UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

EODM 10 O

		FUR	WI 10-Q		
(Mark (SUANT TO SECTION	13 OR 15(d) OF THE S	ECURITIES EXCHANGE ACT O)F
		For the quarterly per	riod ended: June 30, 2021		
	TRANSITION REPORT PURS	SUANT TO SECTION	OR 13 OR 15(d) OF THE S	ECURITIES EXCHANGE ACT O)F
		For the transition per Commission Fi	iod from to le Number 0-28082		
			ustries, Inc. nt as Specified in its Charter)		
	Delaware (State or Other Jurisdiction of Incorporation	50 Enterprise Cento (Address of Principal E (401)	(I.R.S. 2r, Middletown, RI 02842 Executive Offices) (Zip Code) 1847-3327 Number, Including Area Code)	05-0420589 Employer Identification Number)	
	Title of Each Class	9 1	ant to Section 12(b) of the Act:	Name of Each Exchange on which Registered The NASDAQ Stock Market LLC	
	Common Stock, par value \$0.01 per share		KVHI	(NASDAQ Global Select Market)	
the prec the past	reding 12 months (or for such shorter perion 90 days. Yes ⊠ No □	od that the registrant was required that the registrant was required that the registrant was required to the registrant was	uired to file such reports), and revery Interactive Data File	5(d) of the Securities Exchange Act of 1934 (2) has been subject to such filing requirem required to be submitted pursuant to Rule I that the registrant was required to subm	ents fo
files).	Yes ⊠ No □	ing the preceding 12 month	is (of for such shorter period	i that the registrant was required to subir	ni suc
emergin	by check mark whether the registrant in g growth company. See the definitions of b-2 of the Exchange Act.	s a large accelerated filer, "large accelerated filer," "ac	an accelerated filer, a non-acc celerated filer," "smaller repor	relerated filer, a smaller reporting company ting company," and "emerging growth comp	y, or a pany" i
Large a	ccelerated filer celerated filer			Accelerated filer Smaller reporting company Emerging growth company	\boxtimes
If an en revised	nerging growth company, indicate by che financial accounting standards provided p	ck mark if the registrant has ursuant to Section 13(a) of th	elected not to use the extendence Exchange Act. □	ed transition period for complying with any	new o
Indicate	by check mark whether the registrant is a	shell company (as defined i	n Rule 12b-2 of the Exchange	Act). Yes □ No ⊠	
Indicate	e the number of shares outstanding of each <u>Date</u>	9	Class	Outstanding shares	
	July 26, 2021	Common Stock, pa	r value \$0.01 per share	18,810,010	

KVH INDUSTRIES, INC. AND SUBSIDIARIES

Form 10-Q INDEX

		Page No.
PART I. FINA	ANCIAL INFORMATION	
ITEM 1.	<u>INTERIM FINANCIAL STATEMENTS</u>	
	Consolidated Balance Sheets as of June 30, 2021 (unaudited) and December 31, 2020	<u>3</u>
	Consolidated Statements of Operations for the three and six months ended June 30, 2021 and 2020 (unaudited)	<u>4</u>
	Consolidated Statements of Comprehensive Loss for the three and six months ended June 30, 2021 and 2020 (unaudited)	<u>5</u>
	Consolidated Statements of Stockholders' Equity for the three and six months ended June 30, 2021 and 2020 (unaudited)	<u>6</u>
	Consolidated Statements of Cash Flows for the six months ended June 30, 2021 and 2020 (unaudited)	<u>7</u>
	Notes to Consolidated Financial Statements (unaudited)	<u>8</u>
ITEM 2.	MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS	<u>28</u>
ITEM 4.	CONTROLS AND PROCEDURES	<u>39</u>
PART II. OT	HER INFORMATION	
ITEM 1.	<u>LEGAL PROCEEDINGS</u>	<u>40</u>
ITEM 1A.	RISK FACTORS	<u>40</u>
ITEM 6.	<u>EXHIBITS</u>	<u>53</u>
SIGNATURE		<u>54</u>

PART I. FINANCIAL INFORMATION

ITEM 1. Interim Financial Statements

KVH INDUSTRIES, INC. AND SUBSIDIARIES CONSOLIDATED BALANCE SHEETS (in thousands, except share and per share amounts)

(in thousands, except share and per share amounts)	Ju	June 30, 2021		December 31, 2020		
ASSETS	(u	maudited)	_	,		
Current assets:	`	,				
Cash and cash equivalents	\$	9,223	\$	12,578		
Marketable securities		25,145		25,141		
Accounts receivable, net of allowance for doubtful accounts of \$1,554 and \$1,596 as of June 30, 2021 and December 31, 2020, respectively		32,995		33,687		
Inventories, net		22,300		24,674		
Prepaid expenses and other current assets		4,127		3,894		
Current contract assets		1,149		1,086		
Total current assets		94,939		101,060		
Property and equipment, net		59,102		56,273		
Intangible assets, net		1,760		2,254		
Goodwill		6,622		6,592		
Right of use assets		4,492		6,893		
Other non-current assets		7,187		7,785		
Non-current contract assets		2,415		2,661		
Deferred income tax asset		35		73		
Total assets	\$	176,552	\$	183,591		
LIABILITIES AND STOCKHOLDERS' EQUITY	-	-,	-	,		
Current liabilities:						
Accounts payable	\$	11,809	\$	11,400		
Accrued compensation and employee-related expenses	Ψ	7,049	Ψ	7,156		
Accrued other		7,982		6,597		
Accrued product warranty costs		1,595		1,812		
Current portion of long-term debt		6,927		4,992		
Contract liabilities		4,245		4,445		
Current operating lease liability		2,505		3,826		
Liability for uncertain tax positions		589		560		
Total current liabilities		42,701		40,788		
Other long-term liabilities		161		674		
Long-term operating lease liability		2,114		3,204		
Long-term contract liabilities		4,314		4,688		
Long-term debt, excluding current portion		-,514		1,935		
Deferred income tax liability		386		418		
Total liabilities	\$	49,676	\$	51,707		
Commitments and contingencies (Notes 2, 10, 12, and 18)	Ψ	43,070	Ψ	31,707		
Stockholders' equity:						
Preferred stock, \$0.01 par value. Authorized 1,000,000 shares; none issued		_		<u> </u>		
Common stock, \$0.01 par value. Authorized 30,000,000 shares; 20,244,579 and 19,862,534 shares issued at June 30, 2021 and December 31, 2020, respectively; and 18,811,885 and 18,429,840 shares outstanding at June 30, 2021 and December 31, 2020,						
respectively		202		199		
Additional paid-in capital		153,596		149,170		
Accumulated deficit		(12,103)		(2,402)		
Accumulated other comprehensive loss		(2,968)		(3,232)		
		138,727		143,735		
Less: treasury stock at cost, common stock, 1,432,694 shares as of June 30, 2021 and December 31, 2020		(11,851)		(11,851)		
1033. Heastify stock at cost, Common stock, 1,432,034 shares as of June 30, 2021 and December 31, 2020						
Total stockholders' equity		126,876		131,884		

KVH INDUSTRIES, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF OPERATIONS (in thousands, except earnings per share amounts, unaudited)

		Three Months Ended June 30,				Six Mon Jun	ths Ei ie 30,		
		2021		2020	2021			2020	
Sales:									
Product	\$	17,269	\$	13,949	\$	35,701	\$	27,043	
Service		26,094		22,977		49,954		46,451	
Net sales		43,363		36,926		85,655		73,494	
Costs and expenses:									
Costs of product sales		11,894		9,554		23,114		19,190	
Costs of service sales		16,124		14,378		31,547		29,573	
Research and development		4,505		3,866		9,072		8,153	
Sales, marketing and support		7,937		6,795		15,483		15,495	
General and administrative		8,705		5,769		15,848		12,167	
Total costs and expenses		49,165		40,362		95,064		84,578	
Loss from operations		(5,802)		(3,436)		(9,409)		(11,084)	
Interest income		222		217		455		530	
Interest expense		14		3		32		7	
Other (expense) income, net		(1)		(161)		(790)		1,341	
Loss before income tax expense (benefit)		(5,595)		(3,383)		(9,776)		(9,220)	
Income tax expense (benefit)		78		169		(75)		546	
Net loss	\$	(5,673)	\$	(3,552)	\$	(9,701)	\$	(9,766)	
Net loss per common share									
Basic and diluted	\$	(0.31)	\$	(0.20)	\$	(0.54)	\$	(0.56)	
Weighted average number of common shares outstanding:									
Basic and diluted		18,174		17,648		18,057		17,588	
ביות מוומונגמ	_	10,174		17,040		10,037	_	17,500	

KVH INDUSTRIES, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS (in thousands, unaudited)

	Three Moi Jun	nths E e 30,	nded	Six Mont June		
	2021		2020	2021	2020	
Net loss	\$ (5,673)	\$	(3,552)	\$ (9,701)	\$ (9,766)	
Other comprehensive income (loss), net of tax:						
Foreign currency translation adjustment	41		(130)	264	(2,610)	
Other comprehensive income (loss), net of tax ⁽¹⁾	41		(130)	264	(2,610)	
Total comprehensive loss	\$ (5,632)	\$	(3,682)	\$ (9,437)	\$ (12,376)	

⁽¹⁾ Tax impact was nominal for all periods.

KVH INDUSTRIES, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY (in thousands, unaudited)

				(III tilousa	nus, un	iauuiteu)								
	Commo	on Stock		Additional Paid-in	Ac	cumulated	Accumulated Other Comprehensive	Treasur	ry St	tock		Total Stockholders'		
	Shares	Amount		Capital		Deficit	Loss	Shares		Amount		Equity		
Balance at March 31, 2021	20,165	\$ 202	\$	151,657	\$	(6,430)	\$ (3,009)	(1,433)	\$	(11,851)	\$	130,569		
Net loss						(5,673)						(5,673)		
Other comprehensive income	_	_		_		_	41	_		_		41		
Stock-based compensation	_	_		1,055		_	_	_		_		1,055		
Exercise of stock options and issuance of restricted stock awards, net of forfeitures	80	_		884		_	_	_		_		884		
Balance at June 30, 2021	20,245	\$ 202	\$	153,596	\$	(12,103)	\$ (2,968)	(1,433)	\$	(11,851)	\$	126,876		
							A							
	Commo	on Stock		Additional			Accumulated Other	Treasur	ry St	tock		Total		
	Shares	Amount	•	Paid-in Capital	Ac	cumulated Deficit	Comprehensive Loss	Shares	Shares A		Amount			Stockholders' Equity
Balance at December 31, 2020	19,863	\$ 199	\$	149,170	\$	(2,402)	\$ (3,232)	(1,433)	\$	(11,851)	\$	131,884		
Net loss				_		(9,701)						(9,701)		
Other comprehensive income	_	_		_		_	264	_		_		264		
Stock-based compensation	_	_		1,987		_	_	_		_		1,987		
Exercise of stock options and issuance of restricted stock awards, net of forfeitures	382	3		2,439		_	_	_		_		2,442		
Balance at June 30, 2021	20,245	\$ 202	\$	153,596	\$	(12,103)	\$ (2,968)	(1,433)	\$	(11,851)	\$	126,876		
	Commo	on Stock Amount		Additional Paid-in Capital	Retai	ined Earnings	Accumulated Other Comprehensive Loss	Treasur	ury Stock Amount			Total Stockholders' Equity		
Balance at March 31, 2020	19,419	\$ 194	\$	145,457	\$	13,324	\$ (5,247)	(1,433)	\$	(11,851)	\$	141,877		
Net loss		Ψ 15-7	Ψ		Ψ	(3,552)	ψ (5,247)	(1,433)	Ψ	(11,051)	Ψ	(3,552)		
Other comprehensive loss	_	_		_		(5,552)	(130)	_		_		(130)		
Stock-based compensation	_	_		742		_	(200)	_		_		742		
Exercise of stock options and issuance of														
restricted stock awards, net of forfeitures	26			51		_				<u> </u>		51		
Balance at June 30, 2020	19,445	\$ 194	\$	146,250	\$	9,772	\$ (5,377)	(1,433)	\$	(11,851)	\$	138,988		
	Commo Shares	on Stock Amount		Additional Paid-in Capital	Retai	ined Earnings	Accumulated Other Comprehensive Loss	Treasur	ry St	tock Amount		Total Stockholders' Equity		
Balance at December 31, 2019	19,399	\$ 194	\$	144,485	\$	19,538	\$ (2,767)	(1,397)	\$	(11,461)	\$	149,989		
Net loss						(9,766)						(9,766)		
Other comprehensive loss	_	_		_		_	(2,610)	_		_		(2,610)		
Stock-based compensation	_	_		1,547		_	_	_		_		1,547		
Issuance of common stock under employee stock purchase plan	20	_		156		_	_	_		_		156		
Acquisition of treasury stock	_	_		_		_	_	(36)		(390)		(390)		
Exercise of stock options and issuance of restricted stock awards, net of forfeitures	26	_		62		_	_	_		_		62		
Balance at June 30, 2020	19,445	\$ 194	\$	146,250	\$	9,772	\$ (5,377)	(1,433)	\$	(11,851)	\$	138,988		
*			: =						=		_			

See accompanying Notes to Unaudited Consolidated Financial Statements.

KVH INDUSTRIES, INC. AND SUBSIDIARIES CONSOLIDATED STATEMENTS OF CASH FLOWS (in thousands, unaudited)

Six Months Ended June 30,

	June	e 30,	
	 2021		2020
Cash flows from operating activities:			
Net loss	\$ (9,701)	\$	(9,766)
Adjustments to reconcile net loss to net cash provided by (used in) operating activities:			
Provision for doubtful accounts	282		482
Depreciation and amortization	6,963		5,402
Loss on disposals of fixed assets	597		400
Compensation expense related to stock-based awards and employee stock purchase plan	1,987		1,547
Unrealized currency translation loss (gain)	236		(950)
Changes in operating assets and liabilities:			
Accounts receivable	426		3,739
Inventories	2,375		(993)
Prepaid expenses, other current assets, and current contract assets	(293)		161
Other non-current assets and non-current contract assets	833		(422)
Accounts payable	293		(2,395)
Contract liabilities and long-term contract liabilities	(592)		(460)
Accrued compensation, product warranty and other	1,407		365
Other long-term liabilities	2		4
Net cash provided by (used in) operating activities	\$ 4,815	\$	(2,886)
Cash flows from investing activities:			
Capital expenditures	(10,521)		(7,049)
Cash paid for acquisition of intangible asset	(32)		(40)
Proceeds from sale of fixed assets	100		6
Purchases of marketable securities	(4)		(6,091)
Maturities and sales of marketable securities	_		13,500
Net cash (used in) provided by investing activities	\$ (10,457)	\$	326
Cash flows from financing activities:	 		
Proceeds from PPP loan	_		6,927
Proceeds from stock options exercised and employee stock purchase plan	2,473		207
Repurchase of common stock	_		(390)
Payment of finance lease	(162)		(312)
Net cash provided by financing activities	\$ 2,311	\$	6,432
Effect of exchange rate changes on cash and cash equivalents	 (24)		(794)
Net (decrease) increase in cash and cash equivalents	(3,355)		3,078
Cash and cash equivalents at beginning of period	12,578		18,365
Cash and cash equivalents at end of period	\$ 9,223	\$	21,443
Supplemental disclosure of non-cash investing activities:			
Changes in accrued other and accounts payable related to property and equipment additions	\$ 281	\$	128
Changes in accrace other and accounts physicist related to property and equipment additions	 		

KVH INDUSTRIES, INC. AND SUBSIDIARIES Notes to Consolidated Interim Financial Statements (Unaudited, all amounts in thousands except per share amounts)

(1) Description of Business

KVH Industries, Inc. (together with its subsidiaries, the Company or KVH) designs, develops, manufactures and markets mobile connectivity products and services for the marine and land markets, and inertial navigation products for both the defense and commercial markets. KVH's reporting segments are as follows:

- the mobile connectivity segment and
- · the inertial navigation segment.

KVH's mobile connectivity products enable customers to receive voice and Internet services, and live digital television via satellite services in marine vessels, recreational vehicles, buses and automobiles. KVH sells its mobile connectivity products through an extensive international network of dealers and distributors. KVH also sells and leases products to service providers and directly to end users.

KVH's mobile connectivity service sales represent primarily sales earned from satellite voice and Internet airtime services. KVH provides, for monthly fixed and usage-based fees, satellite connectivity services, including broadband Internet, data and Voice over Internet Protocol (VoIP) services, to its mini-VSAT Broadband customers. Our AgilePlans program, a mini-VSAT Broadband service offering, is a monthly subscription model providing global connectivity to commercial maritime customers. AgilePlans include hardware, installation, broadband Internet, VoIP, entertainment and training content and global support for a monthly fee with no minimum commitment. KVH offers AgilePlans customers a variety of airtime data plans with varying data speeds and fixed data usage levels with overage charges per megabyte, which is similar to the plans that the Company offers to its other mini-VSAT Broadband customers. The Company recognizes the monthly subscription fee as service revenue over the service delivery period. The Company retains ownership of the hardware that it provides to AgilePlans customers, who must return the hardware to KVH if they decide to terminate the service. Because KVH does not sell the hardware under AgilePlans, the Company does not recognize any product revenue when the hardware is deployed to an AgilePlans customer. KVH records the cost of the hardware used by AgilePlans customers as revenue-generating assets and depreciates the cost over an estimated useful life of five years. Since the Company is retaining ownership of the hardware, it does not accrue any warranty costs for AgilePlans hardware; however, any maintenance costs on the hardware are expensed in the period these costs are incurred.

Mobile connectivity service sales also include the distribution of commercially licensed entertainment, including news, sports, music, and movies to commercial and leisure customers in the maritime, hotel, and retail markets through KVH Media Group. KVH also earns monthly usage fees from third-party satellite connectivity services, including voice, data and Internet services, provided to its Inmarsat and Iridium customers who choose to activate their subscriptions with KVH. Mobile connectivity service sales also include engineering services provided under development contracts, sales from product repairs, and extended warranty sales.

KVH's inertial navigation products offer precision fiber optic gyro (FOG)-based systems that enable platform and optical stabilization, navigation, pointing and guidance. KVH's inertial navigation products also include tactical navigation systems that provide uninterrupted access to navigation and pointing information in a variety of military vehicles, including tactical trucks and light armored vehicles. KVH's inertial navigation products are sold directly to governments, both U.S. and foreign, and government contractors, as well as through an international network of authorized independent sales representatives. In addition, KVH's inertial navigation technology is used in numerous commercial products, such as navigation and positioning systems for various applications including precision mapping, dynamic surveying, autonomous vehicles, train location control and track geometry measurement systems, industrial robotics and optical stabilization.

KVH's inertial navigation service sales include product repairs, engineering services provided under development contracts and extended warranty sales.

(2) Summary of Significant Accounting Policies

Basis of Presentation

The accompanying consolidated interim financial statements of KVH Industries, Inc. and its wholly owned subsidiaries have been prepared in accordance with accounting principles generally accepted in the United States of America. The Company has evaluated all subsequent events through the date of this filing. All significant intercompany accounts and transactions have been eliminated in consolidation.

The consolidated interim financial statements have not been audited by the Company's independent registered public accounting firm and include all adjustments (consisting of only normal recurring adjustments) which are, in the opinion of management, necessary for a fair presentation of the financial condition, results of operations, and cash flows for the periods presented. These consolidated interim financial statements do not include all disclosures associated with annual financial statements and accordingly should be read in conjunction with the Company's consolidated financial statements and related notes included in the Company's annual report on Form 10-K for the year ended December 31, 2020 filed on March 03, 2021 with the Securities and Exchange Commission. The results for the three and six months ended June 30, 2021 are not necessarily indicative of operating results for the remainder of the year.

Use of Estimates

The preparation of interim financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities as of the date of the interim financial statements and the reported amounts of sales and expenses during the reporting periods. As described in the Company's annual report on Form 10-K, the estimates and assumptions used by management affect the Company's revenue recognition, valuation of accounts receivable, valuation of inventory, expected future cash flows including growth rates, discount rates, terminal values and other assumptions and estimates used to evaluate the recoverability of long-lived assets and goodwill, estimated fair values of long-lived assets, including goodwill, amortization methods and periods, certain accrued expenses and other related charges, stock-based compensation, contingent liabilities, forfeitures and key valuation assumptions for its share-based awards, estimated fulfillment costs for warranty obligations, tax reserves and recoverability of the Company's net deferred tax assets and related valuation allowance, and the valuation of right-of-use assets and lease liabilities.

Although the Company regularly assesses these estimates, actual results could differ materially from these estimates. Changes in estimates are recorded in the period in which they become known. The Company bases its estimates on historical experience and various other assumptions that it believes to be reasonable under the circumstances.

(3) Accounting Standards Issued and Not Yet Adopted

ASC Update No. 2016-13, ASC Update No. 2018-19, ASC Update No. 2019-04, ASC Update No. 2019-05, ASC Update No. 2019-10, ASC Update No. 2019-11 and ASC Update No. 2020-02

In June 2016, the FASB issued ASC Update No. 2016-13, *Financial Instruments - Credit Losses (Topic 326)*: Measurement of Credit Losses on Financial Instruments. The purpose of Update No. 2016-13 is to replace the incurred loss impairment methodology for financial assets measured at amortized cost with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information, including forecasted information, to develop credit loss estimates.

In November 2018, the FASB issued ASC Update No. 2018-19, *Codification Improvements to Topic 326*, *Financial Instruments—Credit Losses*. This update introduced an expected credit loss methodology for the impairment of financial assets measured at amortized cost. The amendment also clarifies that receivables arising from operating leases are not within the scope of Subtopic 326-20. Instead, impairment of receivables arising from operating leases should be accounted for in accordance with Topic 842, Leases.

In May 2019, the FASB issued ASC Update No. 2019-04, *Codification Improvements to Topic 326*, *Financial Instruments—Credit Losses*, *Topic 815*, Derivatives and Hedging, and Topic 825, Financial Instruments. This update introduced clarifications of the Board's intent with respect to accrued interest, the transfer between classifications or categories for loans and debt securities, recoveries, reinsurance recoverables, projects of interest rate environments for variable-rate financial instruments, costs to sell when foreclosure is probable, consideration of expected prepayments when determining the effective interest rate, vintage disclosures, and extension and renewal options.

In May 2019, the FASB issued ASC Update No. 2019-05, *Financial Instruments—Credit Losses (Topic 326): Targeted Transition Relief.* The amendments in the update ease the transition for entities adopting ASC Update 2016-13 and increase the comparability of financial statement information. With the exception of held-to-maturity debt securities, the amendments allow entities to irrevocably elect to apply the fair value option to financial instruments that were previously recorded at amortized cost basis within the scope of Subtopic 326-20, *Financial Instruments—Credit Losses—Measured at Amortized Cost.*

In November 2019, the FASB issued ASC Update No. 2019-10, *Financial Instruments—Credit Losses (Topic 326)*, *Derivatives and Hedging (Topic 815)*, and Leases (Topic 842): Effective Dates. The amendments in this update change some effective dates for certain new accounting standards including those pertaining to Topic 326 discussed above, for certain types of entities.

In November 2019, the FASB issued ASC Update No. 2019-11, *Codification Improvements to Topic 326*, *Financial Instruments—Credit Losses (Topic 326*). The update is effective for entities that have adopted ASU 2016-13. The purpose of Update No. 2019-11 is to clarify the scope of the recovery guidance to purchased financial assets with credit deterioration.

In February 2020, the FASB issued ASC Update No. 2020-02, *Financial Instruments – Credit Losses (Topic 326) and Leases (Topic 842)*. The purpose of Update No. 2020-02 is to clarify the scope and interpretation of the standard.

As a smaller reporting entity the effective date for Topic 326 will be the fiscal year beginning after December 15, 2022. The adoption of Update Nos. 2016-13, 2018-19, 2019-04, 2019-05, 2019-10, 2019-11 and 2020-20 is not expected to have a material impact on the Company's financial position or results of operations.

There are no other recent accounting pronouncements issued by the FASB that the Company expects would have a material impact on the Company's financial statements.

(4) Marketable Securities

Marketable securities as of June 30, 2021 and December 31, 2020 consisted of the following:

<u>June 30, 2021</u>	A	mortized Cost	1	Gross Unrealized Gains	1	Gross Unrealized Losses	Fair Value
Money market mutual funds	\$	25,145	\$	_	\$		\$ 25,145
Total marketable securities designated as available-for-sale	\$	25,145	\$		\$		\$ 25,145

<u>December 31, 2020</u>	Aı	mortized Cost	ı	Gross Unrealized Gains	ı	Gross Unrealized Losses	Fair Value
Money market mutual funds	\$	20,142	\$		\$		\$ 20,142
United States treasuries		4,999					4,999
Total marketable securities designated as available-for-sale	\$	25,141	\$		\$		\$ 25,141

The effective maturity date of the United States treasuries is less than one year.

Interest income from marketable securities was \$2 and \$14 during the three months ended June 30, 2021 and 2020, respectively, and \$4 and \$127 during the six months ended June 30, 2021 and 2020, respectively.

(5) Stockholder's Equity

(a) Stock Equity and Incentive Plan

The Company recognizes stock-based compensation in accordance with the provisions of ASC Topic 718, *Compensation-Stock Compensation*. Stock-based compensation expense was \$1,033 and \$742, excluding \$22 and \$0 of compensation charges related to our Amended and Restated 1996 Employee Stock Purchase Plan, or the ESPP, for the three months ended June 30, 2021 and 2020, respectively, and \$1,957 and \$1,531, excluding \$30 and \$16 of compensation charges related to ESPP, for the six months ended June 30, 2021 and 2020, respectively. As of June 30, 2021, there was \$4,665 of total unrecognized compensation expense related to stock options, which is expected to be recognized over a weighted-average period of 2.89 years. As of June 30, 2021, there was \$4,553 of total unrecognized compensation expense related to restricted stock awards, which is expected to be recognized over a weighted-average period of 2.86 years.

Stock Options

During the three months ended June 30, 2021, the Company issued 91 shares of common stock upon the exercise of stock options and received \$907 as payment for the exercise price. No shares were surrendered to the Company to satisfy minimum tax withholding obligations. Additionally, during the three months ended June 30, 2021, no stock options were granted and 57 stock options expired, were canceled or were forfeited.

During the six months ended June 30, 2021, the Company issued 245 shares of common stock upon the exercise of stock options and received \$2,473 as payment for the exercise price. No shares were surrendered to the Company to satisfy minimum tax withholding obligations. Additionally, during the six months ended June 30, 2021, 496 stock options were granted and 78 stock options expired, were canceled or were forfeited. During the six months ended June 30, 2020, no stock options were granted. The Company has estimated the fair value of each option grant on the date of grant using the Black-Scholes option-pricing model. The weighted average assumptions utilized to determine the fair value of options granted during the six months ended June 30, 2021 are as follows:

	Six Months Ended June 30,
	2021
Risk-free interest rate	0.92 %
Expected volatility	44.98 %
Expected life (in years)	4.28
Dividend yield	0 %

As of June 30, 2021, there were 2,208 options outstanding with a weighted average exercise price of \$9.91 per share and 705 options exercisable with a weighted average exercise price of \$9.56 per share.

Restricted Stock

During the three months ended June 30, 2021, 8 shares of restricted stock were granted with a weighted average grant date fair value of \$13.44 per share and 19 shares of restricted stock were forfeited. Additionally, during the three months ended June 30, 2021, 93 shares of restricted stock vested, of which no shares of common stock were surrendered to the Company as payment by employees in lieu of cash to satisfy minimum tax withholding obligations in connection with the vesting of restricted stock.

During the six months ended June 30, 2021, 157 shares of restricted stock were granted with a weighted average grant date fair value of \$12.70 per share and 20 shares of restricted stock were forfeited. Additionally, during the six months ended June 30, 2021, 160 shares of restricted stock vested, of which no shares of common stock were surrendered to the Company as payment by employees in lieu of cash to satisfy minimum tax withholding obligations in connection with the vesting of restricted stock.

As of June 30, 2021, there were 533 shares of restricted stock outstanding that were still subject to service-based vesting conditions.

As of June 30, 2021, the Company had no unvested outstanding options and no outstanding shares of restricted stock that were subject to performance-based or market-based vesting conditions.

(b) Employee Stock Purchase Plan

The Company's ESPP affords eligible employees the right to purchase common stock, via payroll deductions, through various offering periods at a purchase price equal to 85% of the fair market value of the common stock on the first or last day of the offering period, whichever is lower. During the three and six months ended June 30, 2021, no shares were issued under the ESPP plan. During the three and six months ended June 30, 2020, 0 and 20 shares were issued under the ESPP plan, respectively. The Company recorded compensation charges related to the ESPP of \$22 and \$0 for the three months ended June 30, 2021 and 2020, respectively, and \$30 and \$16 for the six months ended June 30, 2021 and 2020, respectively.

(c) Stock-Based Compensation Expense

The following table presents stock-based compensation expense, including under the ESPP, in the Company's consolidated statements of operations for the three and six months ended June 30, 2021 and 2020:

	Three Months	End	led June 30,	Six Months E	nde	d June 30,
	2021		2020	2021		2020
Cost of product sales	\$ 70	\$	34	\$ 116	\$	74
Cost of service sales	3		_	5		_
Research and development	185		137	341		290
Sales, marketing and support	235		139	425		293
General and administrative	562		432	1,100		890
	\$ 1,055	\$	742	\$ 1,987	\$	1,547

(d) Accumulated Other Comprehensive Income (Loss) (AOCI)

Comprehensive income (loss) includes net income (loss) and unrealized gains and losses from foreign currency translation. The components of the Company's comprehensive income (loss) and the effect on earnings for the periods presented are detailed in the accompanying consolidated statements of comprehensive loss.

The balances for the three months ended June 30, 2021 and 2020 are as follows:

	Foreign Currency Translation	Total Accumulated Other Comprehensive Loss
Balance, March 31, 2021	\$ (3,009)	\$ (3,009)
Other comprehensive income	41	41
Net other comprehensive income	41	41
Balance, June 30, 2021	\$ (2,968)	\$ (2,968)
	Foreign Currency Translation	Total Accumulated Other Comprehensive Loss
Balance, March 31, 2020	\$	Comprehensive Loss
Balance, March 31, 2020 Other comprehensive loss	\$ Translation	Comprehensive Loss
	\$ Translation (5,247)	Comprehensive Loss \$ (5,247)

The balances for the six months ended June 30, 2021 and 2020 are as follows:

		Foreign Currency Translation	Total Accumulated Other Comprehensive Loss
Balance, December 31, 2020	\$	(3,232)	\$ (3,232)
Other comprehensive income		264	264
Net other comprehensive income	· ·	264	264
Balance, June 30, 2021	\$	(2,968)	\$ (2,968)
		Foreign Currency Translation	Total Accumulated Other Comprehensive Loss
Balance, December 31, 2019	\$		Comprehensive Loss
Balance, December 31, 2019 Other comprehensive loss	\$	Translation	Comprehensive Loss
•	\$	Translation (2,767)	Comprehensive Loss \$ (2,767)

(6) Net Loss per Common Share

Basic net loss per share is calculated based on the weighted average number of common shares outstanding during the period. Diluted net loss per share incorporates the dilutive effect of common stock equivalent options, warrants and other convertible securities, if any, as determined with the treasury stock accounting method. For the three and six months ended June 30, 2021, since there was a net loss, the Company excluded all 986 and 763, respectively, in outstanding stock options and non-vested restricted shares from its diluted loss per share calculation, as inclusion of these securities would have reduced the net loss per share. For the three and six months ended June 30, 2020, since there was a net loss, the Company excluded all 1,271 and 1,302, respectively, in outstanding stock options and non-vested restricted shares from its diluted loss per share calculation, as inclusion of these securities would have reduced the net loss per share.

A reconciliation of the basic and diluted weighted average common shares outstanding is as follows:

	Three Mont		Six Months Ended June 30,		
	2021	2020	2021	2020	
Weighted average common shares outstanding—basic	18,174	17,648	18,057	17,588	
Dilutive common shares issuable in connection with stock plans	_		_		
Weighted average common shares outstanding—diluted	18,174	17,648	18,057	17,588	

(7) Inventories

Inventories, net are stated at the lower of cost and net realizable value using the first-in first-out costing method. Inventories as of June 30, 2021 and December 31, 2020 include the costs of material, labor, and factory overhead. Components of inventories consist of the following:

	June 30, 2021	December 31, 2020
Raw materials	\$ 13,120	\$ 13,957
Work in process	3,560	3,996
Finished goods	5,620	6,721
	\$ 22,300	\$ 24,674

(8) Property and Equipment

Property and equipment, net, as of June 30, 2021 and December 31, 2020 consist of the following:

	June 30, 2021	December 31, 2020
Land	\$ 3,828	\$ 3,828
Building and improvements	24,231	24,197
Leasehold improvements	479	482
Machinery and equipment	16,215	15,536
Revenue-generating assets	58,320	56,336
Office and computer equipment	14,579	13,855
Motor vehicles	31	31
	117,683	114,265
Less accumulated depreciation	(58,581)	(57,992)
	\$ 59,102	\$ 56,273

Depreciation expense was \$3,333 and \$2,511 for the three months ended June 30, 2021 and 2020, respectively, and \$6,407 and \$4,913 for the six months ended June 30, 2021 and 2020, respectively.

Certain revenue-generating hardware assets are utilized by the Company in the delivery of the Company's airtime services, media and other content.

(9) Product Warranty

The Company's products carry standard limited warranties that range from one to two years and vary by product. The warranty period begins on the date of retail purchase or lease by the original purchaser. The Company accrues estimated product warranty costs at the time of sale and any additional amounts are recorded when such costs are probable and can be reasonably estimated. Factors that affect the Company's warranty liability include the number of units sold or leased, historical and anticipated rates of warranty repairs and the cost per repair. Warranty and related costs are reflected within sales, marketing and support in the accompanying consolidated statements of operations. As of June 30, 2021 and December 31, 2020, the Company had accrued product warranty costs of \$1,595 and \$1,812, respectively.

The following table summarizes product warranty activity during 2021 and 2020:

		Six Months Ended June 30,			
	'-	2021		2020	
Beginning balance	\$	1,812	\$	2,194	
Charges to expense		224		701	
Costs incurred		(441)		(758)	
Ending balance	\$	1,595	\$	2,137	

(10) Debt

	June 202		De	cember 31, 2020
PPP loan	\$	6,927	\$	6,927
Total long-term debt		6,927		6,927
Less amounts classified as current		6,927		4,992
Long-term debt, excluding current portion	\$		\$	1,935

Paycheck Protection Program Loan

In May 2020, the Company received a \$6,927 loan (the PPP Loan) from Bank of America, N.A., under the Paycheck Protection Program, which was established under the Coronavirus Aid, Relief, and Economic Security Act (as modified by the Paycheck Protection Flexibility Act of 2020, the CARES Act) and is administered by the U.S. Small Business Administration. The Company believes it has used the proceeds from the PPP Loan in accordance with the requirements of the CARES Act, primarily for payroll costs and to retain workers.

The term of the PPP Loan is two years from the funding date of the PPP Loan. The interest rate on the PPP Loan is 1.00%. Under the terms of the PPP Loan, interest accrues from the funding date of the PPP Loan but is deferred until the lender determines the amount of loan forgiveness, but the deferral period will end if the Company fails to apply for loan forgiveness within ten months after the loan forgiveness covered period. Principal and interest on the PPP Loan will be payable in monthly installments, except that the Company will not be obligated to repay amounts that are forgiven, if any. The promissory note evidencing the PPP Loan contains various events of default relating to, among other things, insolvency, bankruptcy or the like, payment defaults under the PPP Loan or other loans by the lender, certain defaults under other indebtedness, breach of representations and warranties, the occurrence of a material adverse event, changes in ownership, or breach of other provisions of the promissory note. Upon an event of default, all principal and accrued interest on the PPP Loan and any and all other loans made by the lender to the Company would at the lender's option become immediately due and payable. The Company agreed that it will not receive any other loan under the Paycheck Protection Program.

Pursuant to the terms of the CARES Act, the Company can apply for and may be granted forgiveness for all or a portion of the PPP Loan, if and to the extent that the Company satisfies all of the requirements applicable to forgiveness of the PPP Loan. Such forgiveness will be determined in part based on the use of PPP Loan proceeds in accordance with the terms of the CARES Act during the 24-week period after loan origination and the maintenance or achievement of certain employee and compensation levels. The Company plans to apply for forgiveness in August 2021 but can provide no assurance that any portion of the PPP Loan will be forgiven.

Term Note and Line of Credit

Effective October 30, 2018, the Company entered into an amended and restated three-year senior secured credit facility agreement (the 2018 Credit Agreement) with Bank of America, N.A., as Administrative Agent, and the lenders named from time to time as parties thereto (the 2018 Lenders), for an aggregate amount of up to \$42,500, including a term loan (2018 Term Loan) of \$22,500 and a reducing revolving credit facility (the 2018 Revolver) of up to \$20,000 initially and reducing to \$15,000 on December 31, 2019, each to be used for general corporate purposes, including the refinancing of indebtedness under the Company's then-outstanding senior credit facility agreement. The Company's obligations under the 2018 Credit Agreement are secured by substantially all of our assets and the pledge of equity interests in certain of our subsidiaries.

On June 27, 2019, the Company used the proceeds of the sale of its former Videotel business unit to repay in full the then-outstanding balance of \$21,375 under the 2018 Term Loan and to repay \$13,000 of the then-outstanding balance under the 2018 Revolver. On October 30, 2021, the entire principal balance of any outstanding loans under the 2018 Revolver will be due and payable, together with all accrued and unpaid interest, fees and any other amounts due and payable under the 2018 Credit Agreement. As of June 30, 2021, no amounts were outstanding under the 2018 Revolver.

Borrowings under the 2018 Revolver are subject to the satisfaction of various conditions precedent at the time of each borrowing, including the continued accuracy of the Company's representations and warranties and the absence of any default under the 2018 Credit Agreement. As of June 30, 2021, the full balance of the \$15,000 facility was available for borrowing.

The 2018 Credit Agreement contains two financial covenants, a maximum Consolidated Leverage Ratio and a minimum Consolidated Fixed Charge Coverage Ratio, each as defined in the 2018 Credit Agreement. The Consolidated Leverage Ratio could not exceed 2.50:1.00 through December 31, 2020 and may not exceed 2.00:1.00 after December 31, 2020. The Consolidated Fixed Charge Coverage Ratio may not be less than 1.25:1.00.

On July 30, 2020, the Company amended the 2018 Credit Agreement to reflect the incurrence of the PPP Loan. Under the amended facility, the principal and interest on the PPP Loan are not included in the maximum Consolidated Leverage Ratio or the minimum Consolidated Fixed Charge Coverage Ratio calculations except as to any portion of the PPP Loan that is not ultimately forgiven.

The 2018 Credit Agreement imposes certain other affirmative and negative covenants, including without limitation covenants with respect to the payment of taxes and other obligations, compliance with laws, performance of material contracts, creation of liens, incurrence of indebtedness, investments, dispositions, fundamental changes, restricted payments, changes in the nature of the Company's business, transactions with affiliates, corporate and accounting changes, and sale and leaseback arrangements.

(11) Segment Reporting

The financial results of each segment are based on revenues from external customers, cost of revenue and operating expenses that are directly attributable to the segment and an allocation of costs from shared functions. These shared functions include, but are not limited to, facilities, human resources, information technology, and engineering. Allocations are made based on management's judgment of the most relevant factors, such as head count, number of customer sites or other operational data that contribute to the shared costs. Certain corporate-level costs have not been allocated as they are not directly attributable to either segment. These costs primarily consist of broad corporate functions, including executive, legal, finance, and costs associated with corporate actions. Segment-level asset information has not been provided as such information is not reviewed by the chief operating decision-maker for purposes of assessing segment performance and allocating resources. There are no inter-segment sales or transactions.

The Company's performance is impacted by the levels of activity in the marine and land mobile markets and defense sectors, among others. Performance in any particular period could be impacted by the timing of sales to certain large customers.

The mobile connectivity segment primarily manufactures and distributes a comprehensive family of mobile satellite antenna products and services that provide access to television, the Internet and voice services while on the move. Product sales within the mobile connectivity segment accounted for 19% and 18% of the Company's consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 17% and 18% of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020, respectively. Service sales of mini-VSAT Broadband airtime service accounted for 53% and 55% of the Company's consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 52% and 54% of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020, respectively.

The inertial navigation segment manufactures and distributes a portfolio of digital compass and FOG-based systems that address the rigorous requirements of military and commercial customers and provide reliable, easy-to-use and continuously available navigation and pointing data. The principal product categories in this segment include the FOG-based inertial measurement units (IMUs) for precision guidance, FOGs for tactical navigation (TACNAV) as well as pointing and stabilization systems, and digital compasses that provide accurate heading information for demanding applications, security, automation and access control equipment and systems. Sales of FOG-based guidance and navigation systems within the inertial navigation segment accounted for 17% and 16% of the Company's consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 16% and 15% of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020, respectively.

No other single product class accounts for 10% or more of the Company's consolidated net sales.

The Company operates in a number of major geographic areas across the globe. The Company generates international net sales, based upon customer location, primarily from customers located in Singapore, Canada, Europe, countries in Africa, other Asia/Pacific countries, the Middle East, and India. Revenues are based upon customer location and internationally represented 60% and 57% of the Company's consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 61% and 58% of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020, respectively. Sales to Singapore customers represented 10% of the Company's consolidated net sales for the three months ended June 30, 2021. No other individual foreign country represented 10% or more of the Company's consolidated net sales for the three months ended June 30, 2021. No individual foreign country represented 10% of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020. No other individual foreign country represented 10% or more of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020. No other individual foreign country represented 10% or more of the Company's consolidated net sales for the six months ended June 30, 2021 and 2020.

As of June 30, 2021 and December 31, 2020, the long-lived tangible assets related to the Company's international subsidiaries were less than 10% of the Company's long-lived tangible assets.

Net sales and operating income (loss) for the Company's reporting segments and the Company's loss before income tax expense (benefit) for the three and six months ended June 30, 2021 and 2020 were as follows:

	Three Months Ended June 30,				Six Months Ended June 30,			
		2021		2020	2021			2020
Net sales:								
Mobile connectivity	\$	33,755	\$	29,186	\$	64,262	\$	58,082
Inertial navigation		9,608		7,740		21,393		15,412
Consolidated net sales	\$	43,363	\$	36,926	\$	85,655	\$	73,494
					-	-	-	
Operating income (loss):								
Mobile connectivity	\$	580	\$	584	\$	183	\$	(1,715)
Inertial navigation		645		154		2,735		(667)
Subtotal		1,225		738		2,918		(2,382)
Unallocated, net		(7,027)		(4,174)		(12,327)		(8,702)
Loss from operations		(5,802)		(3,436)		(9,409)		(11,084)
Net interest and other (expense) income		207		53		(367)		1,864
Loss before income tax expense (benefit)	\$	(5,595)	\$	(3,383)	\$	(9,776)	\$	(9,220)

Depreciation expense and amortization expense for the Company's reporting segments for the three and six months ended June 30, 2021 and 2020 were as follows:

	Three Months Ended June 30,						nths Ende me 30,	d
		2021		2020	•	2021		2020
Depreciation expense:								
Mobile connectivity	\$	2,779	\$	2,041	\$	5,300	\$	3,
Inertial navigation		384		323		768		
Unallocated		170		147		339		
Total consolidated depreciation expense	\$	3,333	\$	2,511	\$	6,407	\$	4,
Amortization expense:								
Mobile connectivity	\$	280	\$	241	\$	556	\$	
Inertial navigation		_		_		_		
Unallocated		_		_		_		
Total consolidated amortization expense	\$	280	\$	241	\$	556	\$	

(12) Legal Matters

In the ordinary course of business, the Company is a party to inquiries, legal proceedings and claims including, from time to time, disagreements with vendors and customers. The Company is not a party to any lawsuit or proceeding that, in management's opinion, is likely to materially harm the Company's business, results of operations, financial condition, or cash flows.

(13) Share Buyback Program

On October 4, 2019, the Company's Board of Directors authorized a share repurchase program pursuant to which the Company was authorized to purchase up to 1,000 shares of the Company's common stock. The program expired on October 4, 2020. Under the repurchase program, the Company, at management's discretion, was authorized to repurchase shares on the open market from time to time, in privately negotiated transactions or block transactions, or through an accelerated repurchase agreement.

In January 2020, the Company repurchased 36 shares of common stock in open market transactions at a cost of approximately \$390. The total amount the Company repurchased under the repurchase program since the inception of the October 4, 2019 repurchase program was 151 shares of common stock for an approximate cost of \$1,690. There were no repurchase programs outstanding during the six months ended June 30, 2021.

(14) Fair Value Measurements

ASC Topic 820, *Fair Value Measurements and Disclosures* (ASC 820), provides a framework for measuring fair value and requires expanded disclosures regarding fair value measurements. ASC 820 defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. ASC 820 also establishes a fair value hierarchy, which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. ASC 820 describes three levels of inputs that may be used to measure fair value:

- Level 1: Unadjusted quoted prices in active markets that are accessible at the measurement date for identical, unrestricted assets or liabilities. The Company's Level 1 assets are investments in money market mutual funds and United States treasuries.
- Level 2: Quoted prices for similar assets or liabilities in active markets; or observable prices that are based on observable market data, based on directly or indirectly market-corroborated inputs. The Company has no Level 2 assets or liabilities.
- Level 3: Unobservable inputs that are supported by little or no market activity, and are developed based on the best information available given the circumstances. The Company has no Level 3 assets.

Assets and liabilities measured at fair value are based on the valuation techniques identified in the table below.

The following tables present financial assets and liabilities at June 30, 2021 and December 31, 2020 for which the Company measures fair value on a recurring basis, by level, within the fair value hierarchy:

<u>June 30, 2021</u>	Total		Level 1			Level 2	Leve	Valua l 3 Techniqu
Assets								
Money market mutual funds	\$	25,145	\$	25,145	\$	_	\$	_
<u>December 31, 2020</u>		Total		Level 1	Le	vel 2	Level 3	Valuation Technique
Assets							_	
Money market mutual funds		\$ 20,14	12 \$	20,142	\$	— \$	_	(a)
United States treasuries		4,99	99	4,999		_	_	(a)

⁽a) Market approach—prices and other relevant information generated by market transactions involving identical or comparable assets.

The carrying amount of certain financial instruments approximates fair value due to their short-term, highly liquid nature. These instruments include cash and cash equivalents, accounts receivable, accounts payable, and accrued expenses. The carrying amount of the Company's operating and financing lease liabilities approximates fair value based on currently available quoted rates of similarly structured borrowings.

Assets Measured and Recorded at Fair Value on a Nonrecurring Basis

The Company's non-financial assets, such as goodwill, intangible assets, and other long-lived assets resulting from business combinations, are measured at fair value using income approach valuation methodologies at the date of acquisition and subsequently re-measured if an impairment exists. During 2020, the Company recorded an impairment charge of \$10,490 to goodwill and intangible assets. There was no additional impairment of the Company's non-financial assets noted as of June 30, 2021. The Company does not have any liabilities that are recorded at fair value on a non-recurring basis.

(15) Goodwill and Intangible Assets

Goodwill

The following table sets forth the changes in the carrying amount of goodwill for the six months ended June 30, 2021:

	Amounts
Balance at December 31, 2020	\$ 6,592
Foreign currency translation adjustment	 30
Balance at June 30, 2021	\$ 6,622

Intangible Assets

The changes in the carrying amount of intangible assets during the six months ended June 30, 2021 are as follows:

	 Amounts
Balance at December 31, 2020	\$ 2,254
Amortization expense	(556)
Intangible assets acquired in asset acquisition	32
Foreign currency translation adjustment	30
Balance at June 30, 2021	\$ 1,760

Intangible assets arose from an acquisition made prior to 2013 and the acquisition of KVH Media Group (acquired as Headland Media Limited) in May 2013. Intangibles arising from the acquisition made prior to 2013 were amortized on a straight-line basis over an estimated useful life of 7 years. Intangibles arising from the acquisition of KVH Media Group are being amortized on a straight-line basis over the estimated useful life of: (i) 10 years for acquired subscriber relationships and (ii) 15 years for distribution rights. Due to the impairment of distribution rights during the Company's 2020 annual impairment test, the estimated useful life of distribution rights was reduced from 15 years to 1 year. The intangibles arising from the KVH Media Group acquisition were recorded in pounds sterling and fluctuations in exchange rates cause these amounts to increase or decrease from time to time.

In January 2017, the Company completed the acquisition of certain subscriber relationships from a third party. This acquisition did not meet the definition of a business under ASC 2017-01, *Business Combinations (Topic 805)-Clarifying the Definition of a Business*, which the Company adopted on October 1, 2016. The Company ascribed \$100 of the initial purchase price to the acquired subscriber relationships definite-lived intangible assets with an initial estimated useful life of 10 years. Under the asset purchase agreement, the purchase price includes a component of contingent consideration under which the Company is required to pay a percentage of recurring revenues received from the acquired subscriber relationships through 2026 up to a maximum annual payment of \$114. As of June 30, 2021, the carrying value of the intangible assets acquired in the asset acquisition was \$378. As the acquisition did not represent a business combination, the contingent consideration arrangement is recognized only when the contingency is resolved and the consideration is paid or becomes payable. The amounts payable under the contingent consideration arrangement, if any, will be included in the measurement of the cost of the acquired subscriber relationships. An additional \$32 and \$40 of consideration was earned under the contingent consideration arrangement during the six months ended June 30, 2021 and 2020, respectively.

Acquired intangible assets are subject to amortization. The following table summarizes acquired intangible assets at June 30, 2021 and December 31, 2020, respectively:

	Gross Carrying Amount		Accumulated Amortization			Net Carrying Value
June 30, 2021						
Subscriber relationships	\$	8,034	\$	6,354	\$	1,680
Distribution rights		316		236		80
Internally developed software		446		446		_
Proprietary content		153		153		_
Intellectual property		2,284		2,284		_
	\$	11,233	\$	9,473	\$	1,760
December 31, 2020					_	<u> </u>
Subscriber relationships	\$	7,977	\$	5,958	\$	2,019
Distribution rights		311		76		235
Internally developed software		446		446		_
Proprietary content		153		153		_
Intellectual property		2,284		2,284		_
	\$	11,171	\$	8,917	\$	2,254

Amortization expense related to intangible assets was \$280 and \$241 for the three months ended June 30, 2021 and 2020, respectively, and \$556 and \$489 for the six months ended June 30, 2021 and 2020, respectively. Amortization expense was categorized as general and administrative expense.

As of June 30, 2021, the total weighted average remaining useful lives of the definite-lived intangible assets was 2.0 years and the weighted average remaining useful lives by the definite-lived intangible asset category are as follows:

Intangible Asset	Weighted Average Remaining Useful Life in Years
Subscriber relationships	2.0
Distribution rights	0.3

Estimated future amortization expense remaining at June 30, 2021 for intangible assets acquired was as follows:

Years ending December 31,	
Remainder of 2021	\$ 481
2022	791
2023	316
2024	54
2025	54
Thereafter	64
Total future amortization expense	\$ 1,760

For definite-lived intangible assets, the Company assesses the carrying value of these assets whenever events or circumstances indicate that the carrying value may not be recoverable. Recoverability of assets to be held and used is measured by comparing the carrying amount of an asset, or asset group, to the future undiscounted cash flows expected to be generated by the asset, or asset group. The COVID-19 pandemic has impacted various aspects of the Company's operations, and the Company has been monitoring the impact of this global crisis carefully. The Company has particularly monitored the operations of KVH Media Group, which depends heavily on travel and travel-related industries. The revenues and cash flows of KVH Media Group have been significantly impacted by the global reduction in travel since the start of the pandemic. Prior to the Company's 2020 annual impairment test in the fourth quarter of 2020, based on the Company's quarterly review of the impact of this global crisis on the Company's forecasted revenues and cash flows, there were no indication of impairment to the carrying value of goodwill or other intangible assets. However, in the fourth quarter of 2020, there were increases in the number of reported COVID-19 cases, and substantial shutdowns were reinstated in the United States, UK and Europe, which caused continued disruptions to our KVH Media Group business as the global travel and related industries remained at historically depressed levels. In response to the impact of the pandemic, particularly with respect to the Company's KVH Media Group business, during the Company's 2020 annual budgeting and long-term planning process, the Company conducted detailed discussions with many of the Company's largest customers in the KVH Media Group to validate the Company's assumptions, which indicated further expected delays in recovery, and certain areas of the KVH Media Group business that may not recover completely or at all. Accordingly, the Company updated its long-term revenue and cash flow forecast to reflect these most recent observations. Based on the Company's other long-lived asset impairment analysis and annual goodwill impairment test, the Company recognized an intangible asset impairment charge of \$1,758 and a goodwill impairment charge of \$8,732 for the year ended December 31, 2020 related to KVH Media Group.

As of June 30, 2021, the Company has reviewed, and will continue to review, the forecasted revenues and cash flows of our content business for possible indications that the goodwill or other intangible assets associated with this component of our business might be impaired. However, it is uncertain how long the global pandemic will continue to disrupt global businesses, particularly travel, and therefore it is possible that the value of these assets may become impaired in the future if the COVID-19 pandemic worsens or continues for a prolonged period. Our review indicates that, as of June 30, 2021, there are no indications of impairment.

(16) Revenue from Contracts with Customers (ASC 606)

In accordance with ASC 606, revenue is recognized when a customer obtains control of promised products and services. The amount of revenue recognized reflects the consideration which the Company expects to be entitled to receive in exchange for these products and services.

Disaggregation of Revenue

The following table summarizes net sales from contracts with customers for the three and six months ended June 30, 2021 and 2020:

	Three Months Ended June 30,					Six Months Ended June 30,					
		2021	2020			2021		2020			
Mobile connectivity product, transferred at point in time	\$	7,292	\$	6,080	\$	13,380	\$	12,066			
Mobile connectivity product, transferred over time		754		623		1,557		1,229			
Mobile connectivity service		25,709		22,483		49,325		44,787			
Inertial navigation product		9,223		7,246		20,764		13,748			
Inertial navigation service		385		494		629		1,664			
Total net sales	\$	43,363	\$	36,926	\$	85,655	\$	73,494			

Revenue recognized during the three months ended June 30, 2021 and 2020 from amounts included in contract liabilities at the beginning of the period was \$696 and \$610, respectively. Revenue recognized during the six months ended June 30, 2021 and 2020 from amounts included in contract liabilities at the beginning of the period was \$1,469 and \$1,216, respectively.

For mobile connectivity product sales, the delivery of the Company's performance obligations, are generally transferred to the customer, and associated revenue is recognized, at a point in time, with the exception of certain mini-VSAT contracts which are transferred to customers over time. For mobile connectivity service sales, the delivery of the Company's performance obligations are transferred to the customer, and associated revenue is recognized, over time. For inertial navigation product sales, the delivery of the Company's performance obligations are generally transferred to the customer, and associated revenue is recognized, at a point in time. For inertial navigation service sales, the Company's performance obligations are generally transferred to customers, and associated revenue is recognized, over time.

Business and Credit Concentrations

Concentrations of risk with respect to trade accounts receivable are generally limited due to the large number of customers and their dispersion across several geographic areas. Although the Company does not foresee that credit risk associated with these receivables will deviate from historical experience, repayment is dependent upon the financial stability of those individual customers. The Company establishes allowances for potential bad debts and evaluates, on a monthly basis, the adequacy of those reserves based upon historical experience and its expectations for future collectability concerns. The Company performs ongoing credit evaluations of the financial condition of its customers and generally does not require collateral.

No single customer accounted for 10% or more of consolidated net sales for the three or six months ended June 30, 2021 or 2020 or accounts receivable at June 30, 2021 or December 31, 2020.

Certain components from third parties used in the Company's products are procured from single sources of supply. The failure of a supplier, including a subcontractor, to deliver on schedule could delay or interrupt the Company's delivery of products and thereby materially adversely affect the Company's revenues and operating results.

(17) Income Taxes

The Company's effective tax rate for the three and six months ended June 30, 2021 was (1.4)% and 0.8%, respectively, compared with (5.0)% and (5.9)% for the corresponding periods in the prior year, respectively. The effective income tax rate is based on estimated income for the year, the estimated composition of the income in different jurisdictions and discrete adjustments, if any, in the applicable periods, including retroactive changes in tax legislation, settlements of tax audits or assessments, and the resolution or identification of tax position uncertainties.

For the three and six months ended June 30, 2021 and 2020, the effective tax rates were lower than the statutory tax rate primarily due to the Company maintaining a valuation allowance reserve on its US deferred tax assets and to the composition of income from foreign jurisdictions taxed at lower rates.

As of June 30, 2021 and December 31, 2020, the Company had reserves for uncertain tax positions of \$589 and \$560, respectively. There were no material changes during the six months ended June 30, 2021 to the Company's reserve for uncertain tax positions. The Company estimates that it is reasonably possible that the balance of unrecognized tax benefits as of June 30, 2021 may decrease \$26 in the next twelve months as a result of a lapse of statutes of limitations and settlements with taxing authorities.

The Company's tax jurisdictions include the United States, the United Kingdom, Denmark, Cyprus, Norway, Brazil, Singapore, Japan and India. In general, the statute of limitations with respect to the Company's United States federal income taxes has expired for years prior to 2017, and the relevant state and foreign statutes vary. However, preceding years remain open to examination by United States federal and state and foreign taxing authorities to the extent of future utilization of net operating losses and research and development tax credits generated in each preceding year.

(18) Leases

The Company has operating leases for office facilities, equipment, and satellite service capacity and related equipment. Lease expense was \$927 and \$991 for the three months ended June 30, 2021 and 2020, respectively, and was \$1,904 and \$2,253 for the six months ended June 30, 2021 and 2020, respectively. Short-term operating lease costs were \$58 and \$62 for the three months ended June 30, 2021 and 2020, respectively, and were \$115 and \$123 for the six months ended June 30, 2021 and 2020, respectively. Sublease income was \$33 for both the three months ended June 30, 2021 and 2020 and was \$67 for both the six months ended June 30, 2021 and 2020. Maturities of lease liabilities as of June 30, 2021 under operating leases having an initial or remaining non-cancelable term of one year or more are as follows:

Remainder of 2021	\$ 1,832
2022	1,663
2023	762
2024	421
2025 and thereafter	260
Total minimum lease payments	\$ 4,938
Less amount representing interest	\$ (319)
Present value of net minimum operating lease payments	\$ 4,619
Less current installments of obligation under current-operating lease liabilities	\$ 2,505
Obligations under long-term operating lease liabilities, excluding current installments	\$ 2,114
Weighted-average remaining lease term - operating leases (years)	
Weighted-average discount rate - operating leases	5.50

During the first quarter of 2018, the Company entered into a five-year financing lease for three satellite hubs for its HTS network. During the first quarter of 2021, the terms of this lease were adjusted and the Company disposed of two satellite hubs in exchange for additional satellite service capacity. As of June 30, 2021, the gross cost and accumulated amortization associated with this lease for the remaining satellite hub is included in revenue generating assets and amounted to \$1,268 and \$619, respectively. The obligation under capital leases are stated at the present value of minimum lease payments.

The property and equipment held under this financing lease are amortized on a straight-line basis over the seven-year estimated useful life of the asset, since the lease meets the bargain purchase option criteria. Amortization of assets held under financing leases is included within depreciation expense. Depreciation expense for the remaining capital assets was \$46 for both the three months ended June 30, 2021 and 2020 and was \$91 for both the six months ended June 30, 2021 and 2020.

The future minimum lease payments under this financing lease as of June 30, 2021 are:

Remainder of 2021	\$ 132
2022	264
2023	22
Total minimum lease payments	\$ 418
Less amount representing interest	\$ (5)
Present value of net minimum financing lease payments	\$ 413
Less current installments of obligation under accrued other	\$ 260
Obligations under other long-term liabilities, excluding current installments	\$ 153
Weighted-average remaining lease term - finance leases (years)	1.67
Weighted-average discount rate - finance leases	1.53 %

Lessor

The Company enters into leases with certain customers primarily for the TracPhone mini-VSAT systems. These leases are classified as sales-type leases as title of the equipment transfers to the customer at the end of the lease term. The Company records the leases at a price typically equivalent to normal selling price and in excess of the cost or carrying amount. Upon delivery, the Company records the net present value of all payments under these leases as revenue, and the related costs of the product are charged to cost of sales. Interest income is recognized throughout the lease term (typically three to five years) using an implicit interest rate. The sales-type leases do not have unguaranteed residual assets.

The current portion of the net investment in these leases was \$3,924 as of June 30, 2021 and the non-current portion of the net investment in these leases was \$7,186 as of June 30, 2021. The current portion of the net investment in the leases is included in accounts receivable, net of allowance for doubtful accounts on the accompanying consolidated balance sheets and the non-current portion of the net investment in these leases is included in other non-current assets on the accompanying consolidated balance sheets. Interest income from sales-type leases was \$221 and \$452 during the three and six months ended June 30, 2021, respectively, and was \$203 and \$400 during the three and six months ended June 30, 2020.

The future undiscounted cash flows from these leases as of June 30, 2021 are:

_	The future undiscounted cush nows from these reases as of suite 50, 2021 are.	
	Remainder of 2021	\$ 2,7
	2022	3,7
	2023	3,1
	2024	2,1
	2025	}
	2026	
	Total undiscounted cash flows	\$ 12,6
	Present value of lease payments	\$ 11,1
	Difference between undiscounted cash flows and discounted cash flows	\$ 1,5

In 2021, the Company entered into three-year leases for its TracPhone mini-VSAT systems, in which ownership of the hardware does not transfer to the lessee by the end of the lease term. As a result, and in light of other factors indicated in ASC 842, these leases are classified as operating leases.

As of June 30, 2021, the gross costs and accumulated depreciation associated with these operating leases are included in revenue generating assets and amounted to \$672 and \$45, respectively. They are depreciated on a straight-line basis over a five-year estimated useful life. Depreciation expense for these assets was \$31 and \$45 for the three and six months ended June 30, 2021, respectively.

Lease revenue recognized was \$49 and \$73 for the three and six months ended June 30, 2021, respectively.

As of June 30, 2021, minimum future lease payments to be received on the operating leases are as follows:

Total	\$ Ę
2024	
2023	2
2022	2
2021	\$ 1

ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

Introduction

The statements included in this quarterly report on Form 10-Q, other than statements of historical fact, are forward-looking statements. Examples of forward-looking statements include statements regarding our future financial results, operating results, business strategies, projected costs, products and services, competitive positions and plans, customer preferences, consumer trends, anticipated product development, and objectives of management for future operations. In some cases, forward-looking statements can be identified by terminology such as "may," "will," "should," "expects," "plans," "anticipates," "believes," "estimates," "predicts," "potential," "continue," or the negative of these terms or other comparable terminology. Any expectations based on these forward-looking statements are subject to risks and uncertainties and other important factors, including those discussed in the section entitled "Risk Factors" in Item 1A of Part II of this report. These and many other factors could affect our future financial and operating results, and could cause actual results to differ materially from expectations based on forward-looking statements made in this document or elsewhere by us or on our behalf. For example, our expectations regarding certain items as a percentage of sales assume that we will achieve our anticipated sales goals. The following discussion and analysis should be read in conjunction with our consolidated interim financial statements and related notes appearing elsewhere in this report.

Overview

We design, develop, manufacture and market mobile connectivity products and services for the marine and land mobile markets, and inertial navigation products for the defense and commercial markets. Our reporting segments are as follows:

- the mobile connectivity segment and
- the inertial navigation segment.

Through these segments, we manufacture and sell our solutions in a number of major geographic areas, including internationally. We generate a majority of our revenues from various international locations, primarily consisting of Singapore, Canada, Europe, countries in Africa, other Asia/Pacific countries, the Middle East, and India.

Mobile Connectivity Segment

Our mobile connectivity segment offers satellite communications products and services. Our mobile connectivity products enable customers to receive voice and Internet services and live digital television via satellite services in marine vessels, recreational vehicles, buses and automobiles. We sell our mobile connectivity products through an extensive international network of dealers and distributors. We also sell and lease products to service providers and directly to end users.

Our mobile connectivity service sales include sales of satellite voice and Internet airtime services, engineering services provided under development contracts, sales from product repairs, and extended warranty sales. This segment's sales also include the distribution of entertainment, including news, sports, music, and movies, to commercial and leisure customers in the maritime, hotel, and retail markets through KVH Media Group. We typically recognize revenue from media content sales ratably over the period of the service contract. We provide, for monthly fixed fees and usage-based fees, satellite connectivity services for broadband Internet, data and VoIP service to our mini-VSAT Broadband customers. We also earn monthly usage fees for third-party satellite connectivity for voice, data and Internet services to our Inmarsat and Iridium customers who choose to activate their subscriptions with us.

Within the mobile connectivity segment, our marine leisure business is highly seasonal, and seasonality can also impact our commercial marine business. Historically, we have generated the majority of our marine leisure product revenues during the first and second quarters of each year, and these revenues typically decline in the third and fourth quarters of each year, compared to the first two quarters. Temporary suspensions of our airtime services typically increase in the third and fourth quarters of each year as boats are placed out of service during the winter months.

Impairment Charge – KVH Media Group

The COVID-19 pandemic has impacted various aspects of our operations, and we have been monitoring the impact of this global crisis carefully. We have particularly monitored the operations of KVH Media Group, which depends heavily on travel and travel-related industries. The revenues and cash flows of KVH Media Group have been significantly impacted by the global reduction in travel since the start of the pandemic. Prior to our 2020 annual impairment test in the fourth quarter of 2020, there was no indication of impairment to the carrying value of goodwill or other intangible assets. This conclusion was based on our quarterly review of the impact of this global crisis on our forecasted revenues and cash flows. However, in the fourth quarter of 2020, there were increases in the number of reported COVID-19 cases, and substantial shutdowns were reinstated in the United States, UK and Europe, which caused continued disruptions to our KVH Media Group business as the global travel and related industries remained at historically depressed levels. In response to the impact of the pandemic, particularly with respect to our KVH Media Group business, during our 2020 annual budgeting and long-term planning process, we conducted detailed discussions with many of our largest customers in the KVH Media Group to validate our assumptions, which indicated further expected delays in recovery, and certain areas of the KVH Media Group business that may not recover completely or at all. Accordingly, we updated our long-term revenue and cash flow forecast to reflect these most recent observations. Based on our other long-lived asset impairment analysis and annual goodwill impairment test, we recognized an intangible asset impairment charge of \$1.8 million and a goodwill impairment charge of \$8.7 million for the year ended December 31, 2020 related to KVH Media Group.

As of June 30, 2021, we have reviewed, and will continue to review, the forecasted revenues and cash flows of our content business for possible indications that the goodwill or other intangible assets associated with this component of our business might be impaired. However, it is uncertain how long the global pandemic will continue to disrupt global businesses, particularly travel, and therefore it is possible that the value of these assets may become impaired in the future if the COVID-19 pandemic worsens or continues for a prolonged period. Our review indicates that, as of June 30, 2021, there are no indications of impairment.

Inertial Navigation Segment

Our inertial navigation segment offers precision FOG-based systems that enable platform and optical stabilization, navigation, pointing, and guidance. Our inertial navigation products also include TACNAV systems that provide uninterrupted access to navigation and pointing information in a variety of military vehicles, including tactical trucks and light armored vehicles. Our inertial navigation products are sold directly to governments, both U.S. and foreign, and government contractors, as well as through an international network of authorized independent sales representatives. In addition, our inertial navigation products are used in numerous commercial products, such as navigation and positioning systems for various applications including precision mapping, dynamic surveying, autonomous vehicles, train location control and track geometry measurement systems, industrial robotics and optical stabilization. Our inertial navigation service sales include engineering services provided under development contracts, product repairs and extended warranty sales.

Sales by Segment

We generate sales primarily from the sale of our mobile connectivity products and services and our inertial navigation products and services. The following table provides, for the periods indicated, our sales by segment:

	Three Months Ended June 30,				ded			
	 2021		2020		2021		2020	
	 (in thousands)				(in thousands)			
Mobile connectivity	\$ 33,755	\$	29,186	\$	64,262	\$	58,082	
Inertial navigation	9,608		7,740		21,393		15,412	
Net sales	\$ 43,363	\$	36,926	\$	85,655	\$	73,494	

Product sales within the mobile connectivity segment accounted for 19% and 18% of our consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 17% and 18% of our consolidated net sales for the six months ended June 30, 2021 and 2020, respectively. Sales of mini-VSAT Broadband airtime service accounted for 53% and 55% of our consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 52% and 54% of our consolidated net sales for the six months ended June 30, 2021 and 2020, respectively.

Within our inertial navigation segment, net sales of FOG-based guidance and navigation systems accounted for 17% and 16% of our consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 16% and 15% of our consolidated net sales for the six months ended June 30, 2021 and 2020, respectively.

No other single product class accounted for 10% or more of our consolidated net sales for the three months ended June 30, 2021 or 2020 or the six months ended June 30, 2021 or 2020. No individual customer accounted for 10% or more of our consolidated net sales for the three months ended June 30, 2021 or 2020 or the six months ended June 30, 2021 or 2020.

We operate in a number of major geographic areas across the globe. We generate our international net sales, based upon customer location, primarily from customers located in Singapore, Canada, Europe, countries in Africa, other Asia/Pacific countries, the Middle East, and India. Revenues are based upon customer location and internationally represented 60% and 57% of our consolidated net sales for the three months ended June 30, 2021 and 2020, respectively, and 61% and 58% of our consolidated net sales for the six months ended June 30, 2021 and 2020, respectively. Sales to Singapore customers represented 10% of our consolidated net sales for the three months ended June 30, 2021 and 2020. See Note 11 to our consolidated interim financial statements for more information on our segments.

In addition to our internally funded research and development efforts, we also conduct research and development activities that are funded by our customers. These activities relate primarily to engineering studies, surveys, prototype development, program management, and standard product customization. In accordance with accounting principles generally accepted in the United States of America, we account for customer-funded research as service revenue, and we account for the associated research and development costs as costs of service sales. As a result, customer-funded research and development are not included in the research and development expense that we present in our statement of operations. The following table presents our total annual research and development effort, representing the sum of research and development costs included in costs of service sales and the operating expense of research and development as described in our statement of operations. Our management believes this information is useful because it provides a better understanding of our total expenditures on research and development activities.

	Three Months Ended June 30,			Six Months Ended June 30,				
	2021		2020		2021		1 20	
	(in thousands)				(in thousands)			ids)
Research and development expense presented on the statement of operations	\$	4,505	\$	3,866	\$	9,072	\$	8,153
Costs of customer-funded research and development included in costs of service sales		78		602		489		1,436
Total consolidated statements of operations expenditures on research and development activities	\$	4,583	\$	4,468	\$	9,561	\$	9,589

COVID-19 Global Pandemic

The COVID-19 pandemic, which resulted in a global economic downturn, continues to disrupt businesses around the world. The impact of the pandemic on our operating results began in the first quarter of 2020 and continued throughout the year, particularly in areas of our business impacted by global commerce (for example, maritime shipping, travel and leisure). In response to these significant uncertainties, in the second quarter of 2020 we undertook multiple steps to mitigate the impact of the pandemic on our business, including a comprehensive reduction in salaries and wages and the elimination of most discretionary expenditures, including capital expenditures. As part of our mitigation efforts, we applied for, and received, assistance made available by the United States government through the Paycheck Protection Program (PPP) under the Coronavirus Aid, Relief, and Economic Security Act (the CARES Act). At the beginning of the fourth quarter of 2020, we restored salaries for all of our employees to 100% of the pre-reduction levels, although we continue to limit discretionary spending. We also deferred annual salary increases for the first half of 2021. In 2021, KVH Media group has continued to be impacted by reduced domestic and international travel due to slower than anticipated rollout of vaccines, which has prolonged travel restrictions between countries. We are slowly seeing customers returning but the recovery is slower than expected. We are continuing to monitor global developments and are prepared to implement any actions that we determine to be necessary to sustain our business.

As of June 30, 2021, our cash, cash equivalents and marketable securities ("cash position") approximated \$34.4 million, which reflects the impact of a \$6.9 million loan (the PPP Loan) we received from Bank of America, N.A., under the Paycheck Protection Program. While there can be no assurance that our current cash position will sustain us through the duration of the pandemic, we believe that, on the basis of our current expectations, our current cash position, and the mitigation actions we have taken or could take may enable us to withstand the impact of this global health crisis. We are continuing to monitor global developments and are prepared to implement further actions that we determine to be necessary to sustain our business.

Critical Accounting Policies and Significant Estimates

The discussion and analysis of our financial condition and results of operations are based upon our consolidated interim financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States. The preparation of these interim financial statements requires us to make estimates and judgments that affect the reported amounts of assets and liabilities, sales and expenses, and related disclosure at the date of our interim financial statements. Our significant accounting policies are summarized in Note 1 to the consolidated financial statements in our annual report on Form 10-K for the year ended December 31, 2020.

As described in our annual report on Form 10-K for the year ended December 31, 2020, our most critical accounting policies and estimates upon which our consolidated financial statements were prepared were those relating to goodwill, intangible assets, and other long-lived assets. We have reviewed our policies and estimates and determined that these remain our most critical accounting policies and estimates for the six months ended June 30, 2021.

Readers should refer to our annual report on Form 10-K for the year ended December 31, 2020 under "Management's Discussion and Analysis of Financial Condition and Results of Operation—Critical Accounting Policies and Significant Estimates" for descriptions of these policies and estimates, as well as the notes to the consolidated interim financial statements included elsewhere within this report.

Results of Operations

The following table provides, for the periods indicated, certain financial data expressed as a percentage of net sales:

	Three Months	s Ended	Six Months Ended				
	June 30),	June 30),			
	2021	2020	2021	2020			
Sales:							
Product	39.8 %	37.8 %	41.7 %	36.8 %			
Service	60.2	62.2	58.3	63.2			
Net sales	100.0	100.0	100.0	100.0			
Cost and expenses:							
Costs of product sales	27.4	25.9	27.0	26.1			
Costs of service sales	37.2	38.9	36.8	40.2			
Research and development	10.4	10.5	10.6	11.1			
Sales, marketing and support	18.3	18.4	18.1	21.1			
General and administrative	20.1	15.6	18.5	16.6			
Total costs and expenses	113.4	109.3	111.0	115.1			
Loss from operations	(13.4)	(9.3)	(11.0)	(15.1)			
Interest income	0.5	0.6	0.5	0.7			
Interest expense		_	_	_			
Other (expense) income, net	-	(0.4)	(0.9)	1.8			
Loss before income tax expense (benefit)	(12.9)	(9.1)	(11.4)	(12.6)			
Income tax expense (benefit)	0.2	0.5	(0.1)	0.7			
Net loss	(13.1)%	(9.6)%	(11.3)%	(13.3)%			

Three months ended June 30, 2021 and 2020

Net Sales

As discussed further under the heading "Segment Discussion" below, product sales increased \$3.3 million, or 24%, to \$17.3 million for the three months ended June 30, 2021 from \$13.9 million for the three months ended June 30, 2020, primarily due to an increase of \$2.0 million in inertial navigation product sales and an increase of \$1.3 million in mobile connectivity product sales. Service sales for the three months ended June 30, 2021 increased \$3.1 million, or 14%, to \$26.1 million from \$23.0 million for three months ended June 30, 2020, primarily due to an increase in mobile connectivity service sales of \$3.2 million, partially offset by a decrease in inertial navigation service sales of \$0.1 million.

Due to a number of factors, we are uncertain that all of these revenue growth rates will continue on this trajectory for the remainder of this year and in 2022. See further discussion under the heading "Segment Discussion" below.

Costs of Sales

Costs of sales consists of costs of product sales and costs of service sales. Costs of sales increased by \$4.1 million, or 17%, in the three months ended June 30, 2021 to \$28.0 million from \$23.9 million in the three months ended June 30, 2020. The increase in costs of sales was driven by a \$2.3 million increase in costs of product sales and a \$1.7 million increase in costs of service sales. As a percentage of net sales, costs of sales were 65% for both the three months ended June 30, 2021 and 2020.

Our costs of product sales consist primarily of materials, manufacturing overhead, and direct labor used to produce our products. For the three months ended June 30, 2021, costs of product sales increased by \$2.3 million, or 24%, to \$11.9 million from \$9.6 million in the three months ended June 30, 2020. As a percentage of product sales, costs of product sales were 69% and 68% for the three months ended June 30, 2021 and 2020, respectively. Inertial navigation costs of product sales increased by \$1.5 million, or 35%, primarily due to a \$1.1 million increase in our FOG costs of product sales and a \$0.3 million increase in TACNAV cost of product sales. As a percentage of inertial navigation product sales, costs of inertial navigation product sales were 62% and 58% for the three months ended June 30, 2021 and 2020, respectively. Mobile connectivity costs of product sales increased by \$0.9 million, or 16%, and mobile connectivity costs of product sales as a percentage of mobile connectivity product sales were 77% and 79% for the three months ended June 30, 2021 and 2020, respectively. The increase was primarily driven by a \$0.8 million increase in our marine mobile connectivity cost of product sales and a \$0.1 million increase in land connectivity costs of product sales.

Our costs of service sales consist primarily of satellite service capacity, depreciation, service network overhead expense associated with our mini-VSAT Broadband network infrastructure, direct network service labor, Inmarsat service costs, product installation costs, engineering and related direct costs associated with customer-funded research and development, media materials and distribution costs, and service repair materials. For the three months ended June 30, 2021, costs of service sales increased by \$1.7 million, or 12%, to \$16.1 million from \$14.4 million for the three months ended June 30, 2020. As a percentage of service sales, costs of service sales were 62% and 63% for the three months ended June 30, 2021 and 2020, respectively. Mobile connectivity costs of service sales, costs of mobile connectivity service sales, costs of mobile connectivity service sales were 62% and 61% for the three months ended June 30, 2021 and 2020, respectively. Inertial navigation costs of service sales decreased by \$0.5 million, or 81%, primarily due to contract engineering services. As a percentage of inertial navigation service sales, costs of inertial navigation service sales were 33% and 134% for the three months ended June 30, 2021 and 2020, respectively. The decrease in costs of inertial navigation service sales was due to a decrease in costs relating to an engineering and services development contract from a major U.S. defense contractor.

Operating Expenses

Research and development expense consists of direct labor, materials, external consultants, and related overhead costs that support our internally funded product development and product sustaining engineering activities. Research and development expense for the three months ended June 30, 2021 increased by \$0.6 million, or 17%, to \$4.5 million from \$3.9 million for the three months ended June 30, 2020. The primary reason for the increase in research and development expense was a \$0.5 million decrease in funded engineering expenses (which are reflected in costs of service sales rather than research and development expense) and a \$0.2 million increase in salaries and employee benefits. As a percentage of net sales, research and development expense was 10% and 11% for the three months ended June 30, 2021 and 2020, respectively.

Sales, marketing, and support expense consists primarily of salaries and related expenses for sales and marketing personnel, commissions for both in-house and third-party representatives, costs related to the co-development of certain content, other sales and marketing support costs such as advertising, literature and promotional materials, product service personnel and support costs, warranty-related costs and bad debt expense. Sales, marketing and support expense also includes the operating expenses of our sales office subsidiaries in Denmark, Singapore, Brazil, and Japan. Sales, marketing and support expense for the three months ended June 30, 2021 increased by \$1.1 million, or 17%, to \$7.9 million from \$6.8 million for the three months ended June 30, 2020. The increase primarily resulted from a \$0.8 million increase in salaries, benefits and taxes and a \$0.2 million increase in external commissions. As a percentage of net sales, sales, marketing and support expense was 18% for both the three months ended June 30, 2021 and 2020.

General and administrative expense consists of costs attributable to management, finance and accounting, information technology, human resources, certain outside professional services, and other administrative costs. General and administrative expense for the three months ended June 30, 2021 and 2020 increased by \$2.9 million, or 51%, to \$8.7 million compared to \$5.8 million, respectively. The increase primarily resulted from a \$2.6 million increase in professional fees, primarily arising from a stockholder's nomination of a competing slate of directors at our annual meeting of stockholders, and a \$0.2 million increase in salaries and employee benefits. As a percentage of net sales, general and administrative expense was 20% and 16% for the three months ended June 30, 2021 and 2020, respectively.

Interest and Other (Expense) Income, Net

Interest income represents interest earned on our cash and cash equivalents, as well as from investments and our sale-type lease receivables. Interest income remained flat period-over-period at \$0.2 million for the three months ended June 30, 2021 and 2020. Interest expense remained flat period-over-period at less than \$0.1 million for the three months ended June 30, 2021 and 2020. Other (expense) income, net decreased to other expense of less than \$0.1 million for the three months ended June 30, 2021 from other expense of \$0.2 million for the three months ended June 30, 2020 primarily due to a decrease in foreign exchange losses from our UK operations.

Income Tax Expense

Income tax expense for the three months ended June 30, 2021 was \$0.1 million and related to taxes on income earned in foreign jurisdictions. Income tax expense for the three months ended June 30, 2020 was \$0.2 million and related to taxes on income earned in foreign jurisdictions. The losses we incurred in the U.S. for the three months ended June 30, 2021 and the three months ended June 30, 2020 did not generate any income tax benefit during the quarter due to a full valuation allowance on our related deferred tax assets.

Segment Discussion - Three months ended June 30, 2021 and 2020

Our net sales by segment for the three months ended June 30, 2021 and 2020 were as follows:

						Cnang	e
	For		onths 0,	ended June	2021 vs. 2020		
	<u></u>	2021	2020		020 \$		%
				(dollars in th	ousai	nds)	
Mobile connectivity sales:							
Product	\$	8,046	\$	6,703	\$	1,343	20 %
Service		25,709		22,483		3,226	14 %
Net sales	\$	33,755	\$	29,186	\$	4,569	16 %
Inertial navigation sales:							
Product	\$	9,223	\$	7,246	\$	1,977	27 %
Service		385		494		(109)	(22)%
Net sales	\$	9,608	\$	7,740	\$	1,868	24 %

Operating income (loss) by segment for the three months ended June 30, 2021 and 2020 were as follows:

						Chang	e												
	For the three months ended June 30,			2021 vs. 2020															
	2021		2021		2021		.021		2021		2021		2021		021 2020		<u> </u>		%
			ands)																
Mobile connectivity	\$	580	\$	584	\$	(4)	(1)%												
Inertial navigation		645		154		491	319 %												
	\$	1,225	\$	738	\$	487	66 %												
Unallocated		(7,027)		(4,174)		(2,853)	(68)%												
Loss from operations	\$	(5,802)	\$	(3,436)	\$	(2,366)	(69)%												

Mobile Connectivity Segment

Net sales in the mobile connectivity segment increased by \$4.6 million, or 16%, for the three months ended June 30, 2021 as compared to the three months ended June 30, 2020. Mobile connectivity product sales increased by \$1.3 million to \$8.0 million for the three months ended June 30, 2021 from \$6.7 million for the three months ended June 30, 2020. The increase in mobile connectivity product sales was primarily due to an increase in TracVision product sales. The increase in TracVision product sales was due to an increase in sales volume.

Mobile connectivity service sales increased by \$3.2 million, or 14%, to \$25.7 million for the three months ended June 30, 2021 from \$22.5 million for the three months ended June 30, 2020. The increase was primarily due to a \$2.9 million increase in our mini-VSAT service sales, which resulted in part from a 13% increase in subscribers, primarily as a result of AgilePlans and a \$0.2 million increase in our content service sales.

As previously announced, we are in the process of transitioning our legacy network airtime customers to our HTS network, and we plan to terminate our legacy network at the end of 2021. We anticipate that some of our legacy network airtime customers will not transition to our HTS network, in which case we will lose the revenue currently generated by those customers and slow the mini-VSAT service sales growth. For more information, see "Risk Factors — Risks related to our operations — We expect to terminate our legacy satellite network by the end of 2021, which we expect will result in a loss of business from customers who are unable or unwilling to convert to our HTS network."

Operating income for the mobile connectivity segment was flat for the three months ended June 30, 2021 and 2020 primarily due to an increase in sales less associated costs of \$1.4 million, which were offset by a \$1.0 million increase in salaries, benefits and taxes and a \$0.2 million increase in facility expenses.

Inertial Navigation Segment

Net sales in the inertial navigation segment increased \$1.9 million, or 24%, for the three months ended June 30, 2021 as compared to the three months ended June 30, 2020. Inertial navigation product sales increased \$2.0 million, or 27%, to \$9.2 million for the three months ended June 30, 2021 from \$7.2 million for the three months ended June 30, 2020, primarily as a result of a \$1.5 million increase in sales of our FOG products and a \$0.5 million increase in TACNAV product sales.

Inertial navigation service sales decreased \$0.1 million, or 22%, to \$0.4 million for the three months ended June 30, 2021 from \$0.5 million for the three months ended June 30, 2020. The decrease was due to a \$0.3 million decrease in contract engineering service revenues, partially offset by \$0.2 million increase in repair services revenue.

Our operating income for the inertial navigation segment increased \$0.5 million to \$0.6 million for the three months ended June 30, 2021 as compared to \$0.2 million for the three months ended June 30, 2020, primarily due to an increase in sales less associated costs of \$0.9 million, partially offset by a decrease in funded engineering expenses.

Unallocated

Certain corporate-level costs have not been allocated because they are not attributable to either segment. These costs primarily consist of broad corporate functions, including executive, legal, finance, information technology, and costs associated with corporate actions.

Unallocated operating loss increased \$2.9 million, or 68%, for the three months ended June 30, 2021 as compared to the three months ended June 30, 2020, primarily due to a \$2.6 million increase in professional fees, primarily arising from a stockholder's nomination of a competing slate of directors at our annual meeting of stockholders, and a \$0.2 million increase in salaries, benefits and taxes.

Six months ended June 30, 2021 and 2020

Net Sales

As discussed further under the heading "Segment Discussion" below, product sales increased \$8.7 million, or 32%, to \$35.7 million for the six months ended June 30, 2021 from \$27.0 million for the six months ended June 30, 2020, primarily due to an increase in inertial navigation product sales of \$7.0 million and an increase of \$1.6 million in mobile connectivity product sales. Service sales for the six months ended June 30, 2021 increased \$3.5 million, or 8%, to \$50.0 million from \$46.5 million for the six months ended June 30, 2020 due to an increase in mobile connectivity service sales of \$4.5 million, partially offset by a decrease in inertial navigation service sales of \$1.0 million.

Costs of Sales

Costs of sales increased by \$5.9 million, or 12%, in the six months ended June 30, 2021 to \$54.7 million from \$48.8 million in the six months ended June 30, 2020. The increase in costs of sales was driven by a \$3.9 million increase in costs of product sales and a \$2.0 million increase in costs of service sales. As a percentage of net sales, costs of sales were 64% and 66% for the six months ended June 30, 2021 and 2020, respectively.

For the six months ended June 30, 2021, costs of product sales increased by \$3.9 million, or 20%, to \$23.1 million from \$19.2 million in the six months ended June 30, 2020. As a percentage of product sales, costs of product sales were 65% and 71% for the six months ended June 30, 2021 and 2020, respectively. Inertial navigation costs of product sales increased by \$3.1 million, or 35%, primarily due to a \$1.5 million increase in our TACNAV costs of product sales and a \$1.2 million increase in FOG cost of product sales, in both cases as a result of increases in sales volume. Inertial navigation costs of product sales as a percentage of inertial navigation product sales was 57% and 64% for the six months ended June 30, 2021 and 2020, respectively. The decrease in costs of inertial navigation product sales as a percentage of inertial navigation product sales was due to the increase in TACNAV product sales, which have greater profitability. Mobile connectivity costs of product sales increased by \$0.9 million, or 8%, primarily due to an increase in our marine mobile connectivity cost of product sales. Mobile connectivity costs of product sales as a percentage of mobile connectivity product sales were 76% and 78% for the six months ended June 30, 2021 and 2020, respectively.

For the six months ended June 30, 2021, costs of service sales increased by \$2.0 million, or 7%, to \$31.5 million from \$29.6 million for the six months ended June 30, 2020. As a percentage of service sales, costs of service sales were 63% and 64% for the six months ended June 30, 2021 and 2020, respectively. Mobile connectivity costs of service sales increased by

\$2.9 million, or 10%, primarily due a \$3.4 million increase in mini-VSAT airtime costs of services sales, partially offset by a \$0.5 million decrease in other mobile connectivity service costs. Mobile connectivity costs of service sales as a percentage of mobile connectivity service sales was 63% for both the six months ended June 30, 2021 and 2020. Inertial navigation costs of service sales decreased by \$0.9 million, or 61%, due to a decrease in contract engineering services sales. Inertial navigation costs of service sales as a percentage of inertial navigation service sales was 95% and 91% for the six months ended June 30, 2021 and 2020, respectively.

Operating Expenses

Research and development expense for the six months ended June 30, 2021 increased by \$0.9 million, or 11%, to \$9.1 million from \$8.2 million for the six months ended June 30, 2020. The primary reason for the increase in research and development expense was a \$0.9 million decrease in funded engineering expenses (which are reflected in costs of service sales rather than research and development expense) and a \$0.2 million increase in outside consulting, partially offset by a \$0.3 million decrease in expensed materials. As a percentage of net sales, research and development expense was 11% for both the six months ended June 30, 2021 and 2020.

Sales, marketing and support expense remained flat period-over-period at \$15.5 million for the six months ended June 30, 2021 and 2020. During the six months ended June 30, 2021, sales, marketing and support expense reflected a \$0.8 million increase in salaries, benefits and taxes, which was offset by a \$0.5 million decrease in warranty expenses and a \$0.3 million decrease in travel expenses. As a percentage of net sales, sales, marketing and support expense was 18% and 21% for the six months ended June 30, 2021 and 2020, respectively.

General and administrative expense for the six months ended June 30, 2021 increased by \$3.7 million, or 30%, to \$15.8 million from \$12.2 million for the six months ended June 30, 2020. The increase in general and administrative expense resulted primarily from a \$3.3 million increase in professional fees, primarily arising from a stockholder's nomination of a competing slate of directors at our annual meeting of stockholders, and a \$0.3 million increase in salaries, benefits and taxes. As a percentage of net sales, general and administrative expense was 19% and 17% for the six months ended June 30, 2021 and 2020, respectively.

Interest and Other Income, Net

Interest income decreased less than \$0.1 million to \$0.5 million for the six months ended June 30, 2021 from more than \$0.5 million for the six months ended June 30, 2020, primarily due to the interest related to our marketable securities. Interest expense remained flat period-over-period at less than \$0.1 million for the six months ended June 30, 2021 and 2020. Other (expense) income, net decreased to other expense, net of \$0.8 million for the six months ended June 30, 2021 from other income, net of \$1.3 million for the prior period primarily due to an increase in foreign exchange losses from our UK operations.

Income Tax (Benefit) Expense

Income tax benefit for the six months ended June 30, 2021 was \$0.1 million and related to losses generated in foreign jurisdictions. Income tax expense for the six months ended June 30, 2020 was \$0.5 million and related to taxes on income earned in foreign jurisdictions. The losses we incurred in the US did not generate any income tax benefit during the period due to a full valuation allowance on our related deferred tax assets.

Segment Discussion - Six months ended June 30, 2021 and 2020

Our net sales by segment for the six months ended June 30, 2021 and 2020 were as follows:

					Cnange				
	For the six months ended June 30,				2021 vs. 2020				
	2021		2020		\$		%		
	(dollars in thousands)								
Mobile connectivity sales:									
Product	\$	14,937	\$	13,295	\$	1,642	12 %		
Service		49,325		44,787		4,538	10 %		
Net sales	\$	64,262	\$	58,082	\$	6,180	11 %		
Inertial navigation sales:									
Product	\$	20,764	\$	13,748	\$	7,016	51 %		
Service		629		1,664		(1,035)	(62)%		
Net sales	\$	21,393	\$	15,412	\$	5,981	39 %		

Operating income (loss) by segment for the six months ended June 30, 2021 and 2020 were as follows:

						Change			
	For	For the six months ended June 30,				2021 vs. 2020			
	2021			2020		\$	%		
	(dollars in thousands)								
Mobile connectivity	\$	183	\$	(1,715)	\$	1,898	111 %		
Inertial navigation		2,735		(667)		3,402	nm		
	\$	2,918	\$	(2,382)	\$	5,300	223 %		
Unallocated		(12,327)		(8,702)		(3,625)	(42)%		
Loss from operations	\$	(9,409)	\$	(11,084)	\$	1,675	15 %		

Mobile Connectivity Segment

Net sales in the mobile connectivity segment increased by \$6.2 million, or 11%, for the six months ended June 30, 2021 as compared to the six months ended June 30, 2020. Mobile connectivity product sales increased by \$1.6 million, or 12%, to \$14.9 million for the six months ended June 30, 2021 from \$13.3 million for the six months ended June 30, 2020. The increase in mobile connectivity product sales was primarily due to a \$0.9 million increase in TracVision product sales and a \$0.6 million increase in mini-VSAT Broadband product sales. The increases in TracVision and mini-VSAT product sales was primarily due to an increase in sales volume.

Mobile connectivity service sales increased by \$4.5 million, or 10%, to \$49.3 million for the six months ended June 30, 2021 from \$44.8 million for the six months ended June 30, 2020. The increase was primarily due to a \$5.0 million increase in our mini-VSAT service sales compared to the six months ended June 30, 2020, which resulted in part from a 13% increase in subscribers, primarily as a result of AgilePlans. Partially offsetting this increase was a \$0.6 million decrease in content service sales.

Operating income (loss) for the mobile connectivity segment increased by \$1.9 million for the six months ended June 30, 2021 to operating income of \$0.2 million as compared to an operating loss of \$1.7 million for the six months ended June 30, 2020. This increase resulted primarily from an increase in sales less associated costs of \$2.4 million and a \$0.5 million decrease in warranty expense, partially offset by a \$0.7 million increase in salaries, benefits and taxes.

Inertial Navigation Segment

Net sales in the inertial navigation segment increased \$6.0 million, or 39%, for the six months ended June 30, 2021 as compared to the six months ended June 30, 2020. Inertial navigation product sales increased by \$7.0 million, or 51%, to \$20.8 million for the six months ended June 30, 2021 from \$13.7 million for the six months ended June 30, 2020. This increase was due to a \$4.7 million increase in TACNAV product sales and a \$2.3 million increase in sales of our FOG and OEM products.

Inertial navigation service sales decreased \$1.0 million, or 62%, to \$0.6 million for the six months ended June 30, 2021 from \$1.7 million for the six months ended June 30, 2020. This decrease was primarily attributable to a decrease in contract engineering service revenue due to the conclusion of a project for a major U.S. defense customer.

Our operating income (loss) for the inertial navigation segment increased by \$3.4 million to operating income of \$2.7 million for the six months ended June 30, 2021 as compared to an operating loss of \$0.7 million for the six months ended June 30, 2020. This increase was primarily due to the increase in sales less associated costs of \$3.9 million, partially offset by a decrease in funded engineering expenses.

Unallocated

Unallocated operating loss increased \$3.6 million, or 42%, for the six months ended June 30, 2021 as compared to the six months ended June 30, 2020 primarily due to a \$3.3 million increase in professional fees, primarily arising from a stockholder's nomination of a competing slate of directors at our annual meeting of stockholders, and a \$0.4 million increase in salaries, benefits and taxes.

Backlog

Backlog is not a meaningful indicator for predicting revenue in future periods. Commercial resellers for our mobile connectivity products and legacy products typically do not carry extensive inventories and rely on us to ship products quickly. Generally, due to rapid delivery of our commercial products, our backlog for those products is not significant.

Our backlog for all products and services was \$26.4 million and \$20.4 million as of June 30, 2021 and December 31, 2020, respectively. As of June 30, 2021, \$14.8 million of our backlog was scheduled for fulfillment in 2021, \$4.3 million was scheduled for fulfillment in 2022, and \$7.3 million was scheduled for fulfillment in 2023 through 2025.

Backlog consists of orders evidenced by written agreements and specified delivery dates for customers who are acceptable credit risks. We do not include satellite connectivity service sales in our backlog even though many of our satellite connectivity customers have signed annual or multi-year service contracts providing for a fixed monthly fee. Military orders included in backlog are generally subject to cancellation for the convenience of the customer. When orders are canceled, we generally recover actual costs incurred through the date of cancellation and the costs resulting from termination. As of June 30, 2021, our backlog included \$9.6 million in orders that are subject to cancellation for convenience by the customer. Individual orders for inertial navigation products are often large and may require procurement of specialized long-lead components and allocation of manufacturing resources. The complexity of planning and executing larger orders generally requires customers to order well in advance of the required delivery date, resulting in backlog.

Liquidity and Capital Resources

Our primary liquidity needs have been to fund general business requirements, including working capital requirements, capital expenditures, and, until recently, interest payments and debt repayments. In recent years, we have funded our operations primarily from cash flows from operations, an asset sale, bank financings, proceeds received from exercises of stock options and proceeds from the issuance of stock.

In May 2020, we received a \$6.9 million loan (the PPP Loan) from Bank of America, N.A. under the Paycheck Protection Program, which was established under the Coronavirus Aid, Relief, and Economic Security Act.

As of June 30, 2021, we had \$34.4 million in cash, cash equivalents, and marketable securities, of which \$2.4 million in cash and cash equivalents was held in local currencies by our foreign subsidiaries. Our foreign subsidiaries held no marketable securities as of June 30, 2021. As of June 30, 2021, we had \$52.2 million in working capital. Based upon our current working capital position, current operating plans and expected business conditions, we expect to have sufficient funds, through at least twelve months from the date that this quarterly report on Form 10-Q is filed with the SEC, to fund our short-term and long-term working capital requirements, including capital expenditures and contractual obligations, primarily using our existing cash, cash equivalents and marketable securities and our operating cash flow. Our funding plans for our working capital needs and other commitments may be adversely impacted if our underlying assumptions regarding our anticipated revenues and expenses are not realized. If our operating results fail to meet our expectations, we could be required to seek additional funding through public or private financings or other arrangements. In that event, adequate funds may not be available when needed or may be available only on terms which could have a negative impact on our business and results of operations. In addition, if we raise funds by issuing equity securities, our stockholders may experience dilution.

Net cash provided by operations was \$4.8 million for the six months ended June 30, 2021 compared to net cash used in operations of \$2.9 million for the six months ended June 30, 2020. The \$7.7 million increase in cash provided by operations is primarily due to a \$3.4 million decrease in cash outflows relating to inventories, a \$3.2 million increase in non-cash items, a \$2.7 million decrease in cash outflows relating to accounts payable, a \$1.3 million decrease in cash outflows relating to other non-current assets and non-current contract assets, and a \$1.0 million decrease in cash outflows relating to accounts receivable and a \$0.5 increase in cash outflows relating to prepaid expenses, other current assets, and current contract assets.

Net cash used in investing activities was \$10.5 million for the six months ended June 30, 2021 compared to net cash provided by investing activities of \$0.3 million for the six months ended June 30, 2020. The \$10.8 million increase in net cash used in investing activities was principally due to the \$7.4 million decrease in net cash inflows relating to the purchase and sale of marketable securities and a \$3.5 million increase in capital expenditures.

Net cash provided by financing activities was \$2.3 million for the six months ended June 30, 2021 compared to net cash provided by financing activities of \$6.4 million for the six months ended June 30, 2020. The \$4.1 million decrease in net cash provided by financing activities is primarily attributable to the \$6.9 million decrease in cash inflows from long-term borrowings. This decrease in cash inflows was partially offset by a \$2.3 million increase in cash inflows relating to proceeds from stock options exercised and a \$0.4 million decrease in cash outflows relating to the repurchase of treasury stock.

Borrowing Arrangements

Paycheck Protection Program Loan

In May 2020, we received a \$6.9 million loan (the PPP Loan) from Bank of America, N.A., under the Paycheck Protection Program, which was established under the Coronavirus Aid, Relief, and Economic Security Act (as modified by the Paycheck Protection Flexibility Act of 2020, the CARES Act) and is administered by the U.S. Small Business Administration. We believe we have used the proceeds from the PPP Loan in accordance with the requirements of the CARES Act, primarily to fund payroll costs and to retain workers.

The term of the PPP Loan is two years from the funding date of the PPP Loan. The interest rate on the PPP Loan is 1.00%. Under the terms of the PPP Loan, interest accrues from the funding date of the PPP Loan but is deferred until the lender determines the amount of loan forgiveness, but the deferral period will end if we fail to apply for loan forgiveness within ten months after the loan forgiveness covered period. Principal and interest on the PPP Loan will be payable in monthly installments, except that the Company will not be obligated to repay amounts that are forgiven, if any. The promissory note evidencing the PPP Loan contains various events of default relating to, among other things, insolvency, bankruptcy or the like, payment defaults under the PPP Loan or other loans by the lender, certain defaults under other indebtedness, breach of representations and warranties, the occurrence of a material adverse event, changes in ownership, or breach of other provisions of the promissory note. Upon an event of default, all principal and accrued interest on the PPP Loan and any and all other loans made by the lender to us would, at the lender's option, become immediately due and payable. We agreed that we will not receive any other loan under the Paycheck Protection Program.

Pursuant to the terms of the CARES Act, we can apply for and may be granted forgiveness for all or a portion of the PPP Loan, if and to the extent that we satisfy all of the requirements applicable to forgiveness of the PPP Loan. Such forgiveness will be determined in part based on the use of PPP Loan proceeds in accordance with the terms of the CARES Act during the 24-week period after loan origination and the maintenance or achievement of certain employee and compensation levels. We plan to apply for forgiveness in August 2021 but can provide no assurance that any portion of the PPP Loan will be forgiven.

Term Note and Line of Credit

Effective October 30, 2018, we entered into an amended and restated three-year senior secured credit facility agreement (the 2018 Credit Agreement) with Bank of America, N.A., as Administrative Agent, and the lenders named from time to time as parties thereto (the 2018 Lenders), for an aggregate amount of up to \$42.5 million, including a term loan (2018 Term Loan) of \$22.5 million and a reducing revolving credit facility (the 2018 Revolver) of up to \$20.0 million initially and reducing to \$15.0 million on December 31, 2019, each to be used for general corporate purposes, including the refinancing of indebtedness under our then-outstanding senior credit facility agreement. Our obligations under the 2018 Credit Agreement are secured by substantially all of our assets and the pledge of equity interests in certain of our subsidiaries.

On June 27, 2019, we used the proceeds of the sale of our former Videotel business unit to repay in full the then-outstanding balance of \$21.4 million under the 2018 Term Loan and to repay \$13.0 million of the then-outstanding balance under the 2018 Revolver. On October 30, 2021, the entire principal balance of any outstanding loans under the 2018 Revolver will be due and payable, together with all accrued and unpaid interest, fees and any other amounts due and payable under the 2018 Credit Agreement. As of June 30, 2021, no amounts were outstanding under the 2018 Revolver.

Borrowings under the 2018 Revolver are subject to the satisfaction of various conditions precedent at the time of each borrowing, including the continued accuracy of our representations and warranties and the absence of any default under the 2018 Credit Agreement. As of June 30, 2021, the full balance of the \$15.0 million facility was available for borrowing.

The 2018 Credit Agreement contains two financial covenants, a maximum Consolidated Leverage Ratio and a minimum Consolidated Fixed Charge Coverage Ratio, each as defined in the 2018 Credit Agreement. The Consolidated Leverage Ratio could not exceed 2.50:1.00 through December 31, 2020 and may not exceed 2.00:1.00 after December 31, 2020. The Consolidated Fixed Charge Coverage Ratio may not be less than 1.25:1.00.

On July 30, 2020, we amended the 2018 Credit Agreement to reflect the incurrence of the PPP loan. Under the amended agreement, the principal and interest on the PPP loan are not included in the maximum Consolidated Leverage Ratio or the minimum Consolidated Fixed Charge Coverage Ratio calculations except as to any portion of the PPP Loan that is not ultimately forgiven.

The 2018 Credit Agreement imposes certain other affirmative and negative covenants, including without limitation covenants with respect to the payment of taxes and other obligations, compliance with laws, performance of material contracts, creation of liens, incurrence of indebtedness, investments, dispositions, fundamental changes, restricted payments, changes in the nature of our business, transactions with affiliates, corporate and accounting changes, and sale and leaseback arrangements.

Other Matters

We intend to continue to invest in the mini-VSAT Broadband network on a global basis. As part of the future potential capacity expansion, we plan to seek to acquire additional satellite capacity from satellite operators, expend funds to seek regulatory approvals and permits, develop product enhancements in anticipation of the expansion, and hire additional personnel. From time to time we have entered into multi-year agreements to lease satellite capacity, and we have also purchased numerous satellite hubs to support the added capacity. These transactions can involve millions of dollars, and from time to time we have entered into secured lending arrangements to finance them.

On October 4, 2019, our Board of Directors authorized a share repurchase program pursuant to which we were authorized to purchase up to one million shares of our common stock. The program expired on October 4, 2020. Under the repurchase program, at management's discretion, we were authorized to repurchase shares on the open market from time to time, in privately negotiated transactions or block transactions, or through an accelerated repurchase agreement.

In January 2020, we had repurchased 35,256 shares of common stock in open market transaction at a cost of approximately \$0.4 million. The total amount we repurchased under the October 4, 2019 repurchase program was 150,272 shares of common stock at an approximate cost of \$1.7 million. There were no repurchase programs outstanding during the six months ended June 30, 2021.

ITEM 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

We maintain disclosure controls and procedures, as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended, or the Exchange Act, which are designed to ensure that information required to be disclosed in the reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure. Under the supervision and with the participation of our Chief Executive Officer and Chief Financial Officer, our management has evaluated the effectiveness of our disclosure controls and procedures as of June 30, 2021, the end of the period covered by this interim report. Based on that evaluation, our Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective as of June 30, 2021.

Changes in Internal Control over Financial Reporting

Under the supervision and with the participation of our Chief Executive Officer and Chief Financial Officer, our management has evaluated changes in our internal control over financial reporting that occurred during the second quarter of 2021. Based on that evaluation, our Chief Executive Officer and Chief Financial Officer did not identify any change in our internal control over financial reporting during the second quarter of 2021 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Important Considerations

The effectiveness of our disclosure controls and procedures and our internal control over financial reporting is subject to various inherent limitations, including cost limitations, judgments used in decision making, assumptions about the likelihood of future events, the soundness of our systems, the possibility of human error, and the risk of fraud. Moreover, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions and the risk that the degree of compliance with policies or procedures may deteriorate over time. Because of these limitations, there can be no assurance that any system of disclosure controls and procedures or internal control over financial reporting will be successful in preventing all errors or fraud or in making all material information known in a timely manner to the appropriate levels of management.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

In the ordinary course of business, we are a party to inquiries, legal proceedings and claims including, from time to time, disagreements with vendors and customers. We are not a party to any lawsuit or proceeding that, in our opinion, is likely to materially harm our business, results of operations, financial condition, or cash flows.

ITEM 1A. RISK FACTORS

This section augments and updates the risk factors disclosed in Item 1A of Part I of our Annual Report on Form 10-K for the year ended December 31, 2020, or the Annual Report. The following risk factors supersede the risks described in the Annual Report.

An investment in our common stock involves a high degree of risk. You should carefully consider the following risk factors in evaluating our business. If any of these risks, or other risks not presently known to us or that we currently believe are not significant, develops into an actual event, then our business, financial condition and results of operations could be adversely affected. If that happens, the market price of our common stock could decline.

Risks related to our financial performance

We have a history of losses and are uncertain when we may regain profitability.

We recorded substantial losses from continuing operations in each of the last three fiscal years and the first six months of 2021. We expect to incur substantial losses in the near future as we continue to bear the expenses of maintaining two satellite networks during the transition of our mini-VSAT customers to our HTS network, as we increase satellite capacity to handle our growing subscriber base, as we continue to shift our business from a model based primarily on product sales to a model based primarily on recurring revenue, as we confront the impact of the COVID-19 pandemic on our business and as we continue to invest in research and development to improve our existing products and develop new products, including our photonic chip-based fiber optic gyro. We expect to invest substantially in the development of our photonic chip-based fiber optic gyro in an effort to take advantage of opportunities we may have in the autonomous vehicle and other markets. We expect that, as we increase our investments in these and other areas, including, for example, our Internet of Things (IoT) product, our losses will grow. In order to regain profitability, we must successfully complete the transition of our mini-VSAT customers to our HTS network and continue to introduce new and improved products in order to maintain and improve our competitive position and generate revenue. Our inability to accomplish any of these goals could have a material adverse effect on our revenues, profitability and cash flow, and we cannot assure you when, or whether, we will regain profitability.

Fluctuations in our quarterly net sales and results of operations could depress the market price of our common stock.

Our future net sales and results of operations could continue to vary significantly from quarter to quarter due to a number of factors, many of which are outside our control. Accordingly, you should not rely on quarter-to-quarter comparisons of our results of operations as an indication of future performance. It is possible that our net sales or results of operations in a quarter will fall below the expectations of securities analysts or investors. If this occurs, the market price of our common stock could fall significantly. Our results of operations in any quarter can fluctuate for many reasons, including changes in demand for our products and services; the timing and size of individual orders from military customers, which may be delayed or canceled for various reasons; the mix of products and services we sell, including the mix of fixed rate and metered contracts for airtime services; our ability to manufacture, test and deliver products in a timely and cost-effective manner, including the availability of components and subassemblies from our suppliers; our success in winning competitions for orders; the timing of new product introductions by us or our competitors; the scope and success of our investments in research and development; expenses incurred in pursuing acquisitions and investments; expenses incurred in expanding, maintaining, or improving our mini-VSAT Broadband network; market and competitive pricing pressures; unanticipated charges or expenses, such as increases in warranty claims; expenses incurred in responding to stockholder activism; general economic climate; seasonality of pleasure boat and recreational vehicle usage; and the impact of the COVID-19 pandemic.

In light of our current and anticipated investments in research and development and the expansion of our HTS network, we expect that our operating expenses in upcoming quarters may increase significantly over the amounts we incurred in prior comparable quarters.

A large portion of our expenses, including expenses for network infrastructure, facilities, equipment, and personnel, are relatively fixed. Accordingly, if our net sales decline or do not grow as much or as quickly as we anticipate, we might be unable to maintain or improve our operating margins. Any failure to achieve anticipated net sales could therefore significantly harm our operating results for a particular fiscal period.

Additional impairments to goodwill or other intangible assets could result in significant charges against earnings.

As a result of our acquisitions, we have recorded, and may continue to record, a significant amount of goodwill and other intangible assets. Under current accounting guidelines, we must assess, at least annually and potentially more frequently, whether the value of goodwill and other intangible assets has been impaired. In 2020, our annual impairment test resulted in an impairment charge of \$10.5 million in our KVH Media reporting unit. Even after recording this impairment, our consolidated balance sheet continues to include \$8.4 million of goodwill and other intangible assets, of which \$4.0 million relates to KVH Media Group. There can be no assurance that our remaining goodwill and other intangible assets will not be further impaired, especially if the global COVID-19 pandemic continues to impact the markets in which our Media Group operates.

Risks related to our operations

We must generate a certain level of sales of the TracPhone V-HTS series products and our mini-VSAT Broadband service in order to maintain or improve our service gross margins.

As a result of our mini-VSAT Broadband network infrastructure, our cost of service sales includes certain costs that do not generally vary directly in proportion with the volume of service sales, and we have limited ability to reduce these fixed costs in the short term. These costs have increased significantly each year as we have further expanded our network to accommodate additional subscriber demand and/or coverage areas, and we expect that this trend will continue in 2021 and beyond, particularly as we expand our HTS network. If sales of our TracPhone V-HTS series products and the mini-VSAT Broadband service, including through our AgilePlans subscription model, do not generate the level of revenue that we expect or if those revenues decline, our service gross margins may continue to decline. The failure to improve our mini-VSAT Broadband service gross margins and unit or subscriber sales would have a material adverse effect on our overall profitability.

The operation of our HTS and legacy satellite networks is causing us to incur significant additional operating costs that adversely affect our operating profit.

In November 2017, we launched our HTS communications service that uses Intelsat's Global IntelsatOne Flex managed services and SKY-Perfect JSAT capacity. We also continue to operate our legacy global network of leased satellite transponders and terrestrial teleports in cooperation with ViaSat, Inc. The operation of both the HTS network and the legacy network has resulted and will continue to result in significant additional operating costs. Our arrangement with ViaSat is currently scheduled to expire in 2021. We expect that the arrangement with ViaSat and related satellite operators will be phased out by the end of 2021, but the reliability of the existing satellite network will need to be maintained during the entirety of the wind-down period. Our focus on the HTS network creates potential risks with respect to the continued operation of our legacy satellite communications network and our contractual arrangement with ViaSat and satellite operators.

We expect to terminate our legacy satellite network by the end of 2021, which we expect will result in a loss of business from customers who are unable or unwilling to convert to our HTS network.

Our maritime airtime services networks generated approximately \$44.4 million of revenue for the six months ended June 30, 2021. As of June 30, 2021, approximately 26% of our maritime airtime subscribers relied on our legacy airtime network. We intend to provide various incentives to these customers, such as free or discounted upgrade kits and terminals, to entice them to convert their service to our HTS network by the end of 2021, but these efforts may not be successful. Our inability to convert our legacy satellite customers to our HTS network would result in the loss of the revenue generated by those customers. In addition, the costs that we may need to incur to convert our legacy maritime airtime customers to our HTS network may be significant. There can be no assurance that we will retain our legacy airtime customers when we terminate our legacy network at the end of 2021 or that the costs we incur to convert these customers will result in profitability either in the short term or the long term.

Our ability to compete in the maritime airtime services market will be impaired if we are unable to provide sufficient service capacity to meet customer demand.

We currently offer our mini-VSAT Broadband service in the Americas, Europe, the Middle East, Africa, Asia-Pacific, and Australian and New Zealand waters. We may need to expand capacity in existing coverage areas to support our subscriber base. If we are unable to reach economical agreements with third-party satellite providers to support our mini-VSAT Broadband service and its technology or if transponder capacity is unavailable to meet growing demand in a given region, our ability to provide airtime services will be at risk and could reduce the attractiveness of our products and services.

Our results of operations are adversely affected by unseasonably cold weather, prolonged winter conditions, disasters or similar events.

Our leisure marine business is highly seasonal, and seasonality can also impact our commercial marine business. Historically, we have generated the majority of our leisure marine product revenues during the first and second quarters of each year, and these revenues typically decline in the third and fourth quarters of each year, compared to the first two quarters. Temporary suspensions of our airtime services typically increase in the third and fourth quarters of each year as boats are placed out of service during winter months. Our leisure marine business is also significantly affected by the weather. Unseasonably cool weather, prolonged winter conditions, hurricanes, unusual amounts of rain, and natural and other disasters may decrease boating, which could reduce our revenues. Specifically, we may encounter a decrease in new airtime activations as well as an increase in the number of cancellations or temporary suspensions of our airtime service.

We have single dedicated manufacturing facilities for each of our mobile connectivity and inertial navigation product categories, and any significant disruption to a facility will impair our ability to deliver our products.

We currently manufacture all of our mobile connectivity products at our manufacturing facility in Middletown, Rhode Island, and all of our inertial navigation products at our facility in Tinley Park, Illinois. Some of our production processes are complex, and we may be unable to respond rapidly to the loss of the use of either production facility. For example, our production facilities use some specialized equipment that may take time to replace if they are damaged or become unusable for any reason. In that event, shipments would be delayed, which could result in customer or dealer dissatisfaction, loss of sales and damage to our reputation. Finally, we have only a limited capability to increase our manufacturing capacity in the short term. If short-term demand for our products exceeds our manufacturing capacity, our inability to fulfill orders in a timely manner could also lead to customer or dealer dissatisfaction, loss of sales and damage to our reputation.

Acquisitions and strategic relationships may disrupt our operations or adversely affect our results.

We evaluate opportunities to acquire other businesses and pursue other strategic relationships as they arise. The expenses we incur evaluating and pursuing acquisitions and strategic relationships could have a material adverse effect on our results of operations. If we acquire a business, we may be unable to manage it profitably or successfully integrate its operations with our own. Moreover, we may be unable to realize the strategic, financial, operational and other benefits we anticipate, and any acquisition or strategic relationship may increase our operating expenses. Further, our approach to acquisitions and strategic relationships may involve a number of special financial and business risks, such as entry into new and unfamiliar lines of business or markets, which may present challenges or risks that we did not anticipate; entry into new or unfamiliar geographic regions, including exposure to additional tax and regulatory regimes; increased expenses associated with the amortization of acquired intangible assets; increased exposure to fluctuations in foreign currency exchange rates; charges related to any abandoned acquisition; diversion of our management's time, attention, and resources; loss of key personnel; increased costs to improve or coordinate managerial, operational, financial, and administrative systems, including internal control over financial reporting; dilutive issuances of equity securities; the assumption of legal liabilities; and losses arising from impairment charges associated with goodwill or intangible assets.

If we cannot effectively manage changes in our rate of growth, our business may suffer.

We have previously expanded our operations to pursue existing and potential market opportunities, and we are continuing to expand our international operations. For example, we expanded our service offerings through acquisitions in 2014 and in 2013. This growth placed a strain on our personnel, management, financial and other resources and increased our operating expenses. If we are unable to adjust our operating expenses on a timely basis in response to changes in revenue cycles, our results of operations may be harmed. To manage changes in our rate of growth effectively, we must, among other things, match our manufacturing facilities and capacity to demand for our products and services; secure appropriate satellite capacity to match changes in demand for airtime services; successfully attract, train, motivate and manage appropriate numbers of employees for manufacturing, sales, and customer support activities; effectively manage our inventory and working capital; and ensure that

our procedures and internal controls are revised and updated to remain appropriate for the size and scale of our business operations.

If we are unable to hire and retain the skilled personnel we need to expand our operations, our business will suffer.

To meet our growth objectives, we must attract and retain highly skilled technical, operational, managerial and sales and marketing personnel. If we fail to attract and retain the necessary personnel, we may be unable to achieve our business objectives and may lose our competitive position, which could lead to a significant decline in net sales. We face significant competition for these skilled professionals.

Our success depends on the services of our executive officers.

Our future success depends to a significant degree on the skills and efforts of Martin Kits van Heyningen, our co-founder, President, Chief Executive Officer, and Chairman of the Board, and Brent Bruun, our Chief Operating Officer. If we lost the services of Mr. Kits van Heyningen or Mr. Bruun, our business and operating results could be seriously harmed. We also depend on the ability of our other executive officers to work effectively as a team. The loss of one or more of our executive officers could impair our ability to manage our business effectively.

Risks related to our dependence on technology and third parties

Our mobile satellite products currently depend on satellite services, gateway teleports and terrestrial networks provided by third parties, and a disruption in those services could adversely affect sales.

Our satellite antenna products include the equipment necessary to utilize satellite services. We do not own the satellites that directly provide two-way satellite communications or the terrestrial networks that interconnect our facilities with the satellite teleports that communicate with the satellites. We currently offer satellite television products compatible with the DIRECTV and DISH Network services in the United States, the Bell TV service in Canada, the Sky Mexico service in Mexico, the Sky UK service in the United Kingdom, Canal+ service in France and Movistar service in Spain and various other regional satellite TV services in other parts of the world.

SES, Eutelsat, Sky Perfect-JSAT, Telesat, EchoStar, Intelsat and Star One currently provide the satellite capacity to support the mini-VSAT Broadband service and our TracPhone V-IP and V-HTS series products. In addition, we have agreements with various teleports and Internet service providers around the globe to support the mini-VSAT Broadband service. The terrestrial fiber links that we use to connect with the Internet and to move our voice and data services between our facilities and the various satellite earth stations that support our services are provided to us through numerous service providers, some of which have contractual relationships with our satellite service providers and not directly with us. We rely on Inmarsat for satellite communications services for our FleetBroadband and FleetOne compatible TracPhone products. We also have an arrangement with Iridium for additional satellite communications services that we make available to our customers as a backup option to provide communications redundancy with our primary service offerings.

We exercise little or no control over these third-party providers of satellite, teleport and terrestrial network services, which increases our vulnerability to problems with the services they provide. Due to our reliance on these service providers, when problems occur, it may be difficult to identify the source of the problem. Service disruption or outages, regardless of whether they are caused by our service, the equipment or services of our third-party service providers, or our customers' or their equipment and systems, may result in loss of market acceptance of our service, and any necessary repairs or other remedial actions may cause us to incur significant costs and expenses. Any failure on the part of third-party service providers to achieve or maintain expected performance levels, stability and security could harm our relationships with our customers, result in claims for credits or damages, damage our reputation, significantly reduce customer demand for our solution and seriously harm our financial condition and operating results.

If customers become dissatisfied with the programming, pricing, service, availability or other aspects of any of these satellite services, or if any one or more of these services becomes unavailable for any reason, we could suffer a substantial decline in sales of our satellite products. There may be no alternative service provider available in a particular geographic area, and our modem or other technology may not be compatible with the technology of any alternative service provider that may be available. Even if available, delays caused by switching our technology to another service provider, if available, and qualifying this new service provider could materially harm our customer relationships, business, financial condition and operating results. In addition, the unexpected failure of a satellite could disrupt the availability of programming and services, which could reduce the demand for, or customer satisfaction with, our products.

We depend on cloud-based data services operated by third parties, and any disruption in the operation of these services could harm our business.

Some of our content services and business records are hosted by various cloud-based data services operated by third parties. Any failure or downtime in one of these services could affect a significant percentage of our customers. Although we control and have access to our servers and the components of our network that are located in our internal facilities and certain of our external data facilities, we do not control the operation of external facilities. The providers of our data management services have no obligation to renew their agreements with us on commercially reasonable terms, or at all. If we are unable to renew these agreements on commercially reasonable terms, or if one or more of our data management service providers is acquired, closes, suffers financial difficulty or is unable to meet our growing capacity needs, we may be required to transfer our data to other services, and we may incur significant costs and service interruptions in connection with doing so, which could harm our reputation with our customers and adversely affect our revenues and results of operations.

Our media and entertainment business relies on licensing arrangements with content providers, and the loss of, or changes in, those arrangements could adversely affect our business.

We distribute premium news, sports, movies, and music content for commercial and leisure customers in the maritime, hotel, and retail markets. We license this content from third parties on a non-exclusive basis without long-term license agreements. Any content provider could terminate our arrangements without notice or could adversely modify the terms of the arrangement, including price increases. Further, the licenses we obtain are limited in scope, and any violation of the terms of a license could expose us to liability for copyright infringement. We pay license fees based in part on the revenue we generate from sublicenses, and our licensors generally have the right to audit our records. Failure to pay required license fees could result in termination of our license rights, penalties and damages. The loss of content could adversely affect the attractiveness of our media and entertainment offerings, which could in turn adversely affect our revenues. Any increase in the cost of content could reduce the profitability of these offerings.

Cybersecurity breaches could disrupt our operations, expose us to liability, damage our reputation, and require us to incur significant costs or otherwise adversely affect our financial results.

We are highly dependent on information technology networks and systems, including the Internet and third-party systems, to securely process, transmit and store electronic information, including personal information of our customers. We also retain sensitive data, including intellectual property, proprietary business information, personally identifiable information, credit card information, and usage data of our employees and customers on our computer networks and those of third parties. Although we take certain protective measures and endeavor to modify them as we believe circumstances warrant, invasive technologies and techniques continue to evolve rapidly, and increasingly sophisticated hacking organizations are targeting business systems. As a result, the computer systems, software and networks that we use are vulnerable to disruption, shutdown, unauthorized access, misuse, erasure, alteration, employee error, phishing, computer viruses, ransomware or other malicious code, and other events that could have a security impact. The protective measures on which we rely may be inadequate to prevent or detect cybersecurity breaches or determine the extent of any breach, and there can be no assurance that undetected breaches have not already occurred. If any of these events were to occur, they could disrupt our operations, distract our management, cause us to lose existing customers and fail to attract new customers, as well as subject us to regulatory actions, litigation, fines, damage to our reputation or competitive position, or orders or decrees requiring us to modify our business practices, any of which could have a material adverse effect on our financial position, results of operations or cash flows.

Risks related to economic conditions and trade relations

Our revenues, results of operations and financial condition have been, and may continue to be, adversely impacted by economic turmoil, political events, macroeconomic conditions, credit tightening and associated declines in consumer and enterprise spending, and by the continuation of the COVID-19 pandemic.

Economic conditions in the various geographic markets we serve have experienced significant turmoil over the last several years, including downturns related to the COVID-19 pandemic, slow economic activity, tight credit markets, inflation and deflation concerns, low consumer confidence, limited capital spending, adverse business conditions, war and refugee crises in the Middle East and Europe, terrorist attacks, the departure of the United Kingdom from the European Union, changes in government priorities, trade wars, a government shutdown, gridlock from a divided Congress, and liquidity concerns. These factors vary in intensity by region. Further, in response to the COVID-19 pandemic, governments have implemented, revised, withdrawn, reinstituted and expanded extensive safety precautions, including quarantines, travel restrictions, business closures, cancellations of public gatherings and other measures. Other organizations and individuals continue to take additional steps to avoid or reduce infection, including limiting travel and implementing work-at-home policies. These measures have significantly

disrupted normal business operations both in and outside of affected areas and complying with them has increased our costs. Travel restrictions and safety precautions have also limited our ability to service and install our equipment. Although we are unable to predict the ongoing impact of the pandemic, our mobile communications business in particular largely depends on travel. The operations of our KVH Media Group have been particularly impacted due in part to the global reduction in travel resulting from the pandemic. We anticipate that, until the pandemic is contained, governmental, individual, business and other organizational measures to limit the spread of the virus will continue to adversely affect our revenues, results of operations and financial condition, perhaps materially. An outbreak of infection in any of our facilities could severely disrupt our operations. We continue to monitor government recommendations and have made modifications to our operations because of the pandemic. Our customers' businesses could be further disrupted, and our revenues could continue to be adversely affected. Additionally, global economic disruptions like the COVID-19 pandemic could negatively impact our supply chain and cause delays in the delivery of raw materials, components and other supplies that we need to conduct our operations. The extent to which the pandemic will continue to impact our business will depend on many factors beyond our control, including the speed of contagion, the development and implementation of effective preventative measures and vaccines, the scope of governmental and other restrictions on travel and other activity, and public reactions to these factors.

There can be no assurances that government programs to maintain or improve economic conditions, including stimulus and other aid programs intended to combat the impact of the pandemic, will be effective. As a result of these and other factors, customers and government entities could continue to slow or suspend spending on our products and services. We may also incur increased credit losses and need to further increase our allowance for doubtful accounts, which would have a negative impact on our earnings and financial condition.

We cannot predict the timing, duration, or ultimate impact of the turmoil in our markets. We expect our business to continue to be adversely impacted by this turmoil, particularly in relation to the COVID-19 pandemic, to varying degrees and for varying amounts of time, in all our geographic markets.

Changes in U.S. trade policy, including changes to existing trade agreements and any resulting changes in international trade relations, may have a material adverse effect on us.

The change in U.S. presidential administrations may alter the U.S.'s approach to international trade, which may impact existing bilateral or multi-lateral trade agreements and treaties with foreign countries. The U.S. has imposed tariffs on certain foreign goods and may increase tariffs or impose new ones, and certain foreign governments have retaliated and may continue to do so. We derive a majority of our revenues from international sales, which makes us especially vulnerable to increased tariffs. Changes in U.S. trade policy have created ongoing turmoil in international trade relations, and it is unclear what future actions the U.S. government or foreign governments will or will not take with respect to tariffs or other international trade agreements and policies. Current trade negotiations may fail, which may exacerbate these risks. Ongoing or new trade wars or other governmental action related to tariffs or international trade agreements or policies could reduce demand for our products and services, increase our costs, reduce our profitability, adversely impact our supply chain or otherwise have a material adverse effect on our business and results of operations.

Changes in foreign currency exchange rates negatively affect our financial condition and results of operations.

Because of the scope of our foreign sales and foreign operations, we face significant exposure to movements in exchange rates for foreign currencies, particularly the pound sterling and the euro. During 2019 and 2020, the U.S. dollar strengthened slightly against certain foreign currencies, which adversely affected revenues reported in U.S. dollars and decreased the reported value of our assets in foreign countries.

We also have intragroup receivables and liabilities, such as loans, that can generate significant foreign currency effects. Changes in exchange rates, particularly the U.S. dollar against the pound sterling, could lead to the recognition of unrealized foreign exchange losses.

Moreover, certain of our products and services are sold internationally in U.S. dollars; if the U.S. dollar strengthens, the relative cost of these products and services to customers located in foreign countries would increase, which could adversely affect export sales. In addition, most of our financial obligations, including payments under our outstanding debt obligations, must be satisfied in U.S. dollars. Our exposures to changes in foreign currency exchange rates may change over time as our business practices evolve and could result in increased costs or reduced revenue and could adversely affect our cash flow. Changes in the relative values of currencies occur regularly and may have a significant impact on our operating results. We cannot predict with any certainty changes in foreign currency exchange rates or the degree to which we can cost-effectively mitigate this exposure.

Risks related to government sales

Our financial performance is impacted by U.S. government contracts, which are subject to uncertain levels of funding and termination

We are unable to predict the impact on our business of Congressional gridlock, tax reform and government policies, including new expenditures to address the COVID-19 pandemic, which have increased already significant budget deficits and may lead to an overall reduction in federal spending on programs important to our business. A reduction in sales to the U.S. government or its contractors, whether due to lack of funding, for convenience or otherwise, or the occurrence of delays, could negatively impact our results of operations and financial condition.

The purchasing and delivery schedules and priorities of the U.S. military, government contractors and foreign governments are often unpredictable and subject to uncertain levels of funding and termination.

We have historically sold a substantial portion of our TACNAV and FOG products and services to the U.S. government and its contractors as well as foreign military and government customers, either directly or as a subcontractor to other contractors. These customers often use a competitive bidding process and have unique purchasing and delivery requirements, which often makes the timing of sales to these customers unpredictable. Factors that affect their purchasing and delivery decisions include increasing budgetary pressures, which may reduce or delay funding for military programs; changes in modernization plans for military equipment; changes in tactical navigation requirements; global conflicts impacting troop deployment, including troop withdrawals; priorities for current battlefield operations; new military and operational doctrines that affect military equipment needs; sales cycles that are long and difficult to predict; shifting response time and/or delays in the approval process associated with the export licenses we must obtain prior to the international shipment of certain of our military products; delays in military procurement schedules; and delays in the testing and acceptance of our products, including delays resulting from changes in customer specifications.

In addition, U.S. government contracts generally permit the government to terminate the contract without prior notice, at the government's convenience or for default based on performance. Government customers can also decline to exercise previously disclosed contract options. A termination arising out of our default could expose us to liability and adversely affect our ability to obtain future contracts and orders. Furthermore, on contracts for which we are a subcontractor and not the prime contractor, the U.S. government could terminate the prime contract for convenience or otherwise, irrespective of our performance as a subcontractor.

These factors periodically cause substantial fluctuations in sales of our TACNAV and FOG products and services. Fluctuating commercial sales of our inertial navigation products are also making it harder to predict our future revenues. For example, TACNAV product sales increased \$4.7 million, or 224%, from the six months ended June 30, 2020 to the six months ended June 30, 2021, while sales of our FOG products increased \$2.4 million, or 22%, from the six months ended June 30, 2020 to the six months ended June 30, 2021. Investors should not expect that these rates of growth will be repeated in future quarters; given the substantial fluctuations in quarterly sales, we could experience similarly substantial reductions in revenue.

Sales of our FOG systems and TACNAV products generally consist of a few large orders, and the delay or cancellation of a single order will substantially reduce our net sales. Only a few customers account for a substantial portion of our inertial navigation revenues, and the loss of any of these customers could substantially reduce our net sales.

We derive a significant portion of our inertial navigation revenues from a small number of customers, many of whom are contractors for the U.S. government. KVH products sold to these customers are purchased through orders that can generally range in size from several hundred thousand dollars to several million dollars. For example, we received an order for \$10.0 million of TACNAV products in July 2020, an order for \$4.0 million of FOG products in October 2019 and orders for \$6.7 million and \$3.5 million of TACNAV products and services in September 2019 and April 2017, respectively. Orders of this size are often unpredictable and difficult to replicate. As a result, the delay or cancellation of a single order could materially reduce our net sales and results of operations. We routinely experience repeated and unanticipated delays in defense orders, which make our revenues and operating results less predictable. Because our inertial navigation products typically have relatively higher product gross margins than our mobile connectivity products, the loss of an order for inertial navigation products could have a disproportionately adverse effect on our results of operations.

Risks related to our industry

Competition may limit our ability to sell our mobile connectivity products and services and inertial navigation products.

The mobile connectivity markets and defense navigation and inertial navigation markets are very competitive, and we expect this competition to intensify. We may not be able to compete successfully against current and future competitors, which could impair our ability to sell our products and services. For example, improvements in the performance of lower-cost gyros by competitors could jeopardize sales of our FOGs and FOG-based systems. As our market share in the mobile satellite communication market has grown, competition has intensified significantly, most notably from companies that seek to compete primarily on price. These companies may continue to implement price reductions and discounts for both products and services, which have required us to reduce our prices or offer discounts in order to maintain or increase our market share. Some of our VSAT competitors have also leveraged partnerships amongst themselves in order to capture larger combined market share. Further, some of the companies that we depend on to supply us with capacity on satellite communications networks may vertically integrate by introducing their own products and services to compete with ours, which might motivate them to stop providing satellite network capacity to us, or to make it available only on less favorable terms.

In the marine market for satellite TV equipment, we compete primarily with Intellian, Cobham SATCOM and Raymarine (Intellian made). In the marine market for voice, fax, data, and Internet communications equipment, we compete primarily with Intellian and Cobham SATCOM. In the marine market for high-speed voice, fax, data, and Internet services, we compete primarily with Inmarsat, Marlink and Network Innovations. We also face competition from providers of low-speed data services, which include Inmarsat, Globalstar LP, and Iridium Satellite LLC. In the market for land mobile satellite TV equipment, we compete primarily with King Controls and Winegard Company. In the markets for media content, the KVH Media Group competes primarily with Swank Motion Pictures and NewspaperDirect Inc. In the inertial navigation markets, we compete primarily with Honeywell International Inc., Northrop Grumman Corporation, Emcore and Fizoptica. Many of our competitors are well-established companies that have substantially greater financial, managerial, technical, marketing, personnel and other resources than we do, which may help them to compete more effectively against us.

The emergence of a competing small maritime VSAT antenna and complementary service or other similar service could reduce the competitive advantage we believe we currently enjoy with our smaller TracPhone V-HTS series antennas and Ku-band mini-VSAT Broadband service, or with our TracPhone V11-HTS antenna and our C/Ku-band mini-VSAT Broadband service.

Our TracPhone V-HTS and V-IP systems offer customers a range of benefits due to their integrated design, hardware costs that are lower than existing maritime Ku-band VSAT systems, and broadband technology. We currently compete against companies that offer established maritime Ku-band VSAT service using, in some cases, antennas 1-meter in diameter or larger. While we are unaware of any company offering a 37-cm VSAT solution comparable to our TracPhone V3-HTS or V30, we are encountering regional competition from companies offering 60-cm VSAT systems and services, which are comparable in size to our TracPhone V7-HTS. Likewise, our TracPhone V11-HTS, at 1.1-meters in diameter, is approximately 85% smaller and lighter than competing C-band maritime VSAT systems, which use antennas in excess of 2.4-meters in diameter to provide similar global services. We are unaware of any competitor currently offering a similar size solution for global C-band coverage, but any introduction of such a product could adversely impact our success. In addition, other companies could replicate some of the distinguishing features of our TracPhone V-HTS series products, which could potentially reduce the appeal of our solution, increase price competition, and adversely affect sales. We compete against Inmarsat's Fleet Xpress service, a global Ka-band mobile VSAT service that Inmarsat claims is faster and has a lower price per megabit than existing Ku-band services. This service may continue to adversely impact sales of our mini-VSAT Broadband service and related equipment. Our arrangement to use the IntelsatOne Flex service for our HTS network is not exclusive, and competitors' use of this service could also adversely impact sales. Moreover, consumers may choose other services such as FleetBroadband or Iridium OpenPort for their service coverage at potentially lower hardware costs despite higher service costs and slower data rates.

Any failure to maintain and expand our third-party distribution relationships may limit our ability to penetrate markets for mobile connectivity products and services.

We market and sell our mobile connectivity products and services through an international network of independent retailers, chain stores and distributors, as well as to manufacturers of marine vessels, recreational vehicles and buses. Most of these relationships are non-exclusive, allowing these third parties to market competing products. If we fail to maintain relationships with our current distributors, fail to develop relationships with new distributors in new and existing markets, or manage, train, or provide appropriate incentives to our existing distributors, or if our distributors are not successful in their sales efforts, sales of our products and services may decline and our operating results could be harmed.

We depend on sole or limited source suppliers, and any disruption in supply could impair our ability to deliver our products on time or at expected cost.

We obtain many key components for our products from third-party suppliers, and in some cases we use a single or a limited number of suppliers. Any interruption in supply could impair our ability to deliver our products until we identify and qualify a new source of supply, which could take several weeks, months or longer and could increase our costs significantly. For example, the global chip shortage and supply chain constraints as a result of COVID-19 could impact our ability to deliver products timely in the near term as well as increase our cost of sales due to rising prices for materials. Suppliers might change or discontinue key components, which could require us to modify our product designs. Regulations requiring government contractors to implement processes to avoid counterfeit parts may require us to find new sources of materials or components if a supplier cannot meet those requirements. In general, we do not have written long-term supply agreements with our suppliers but instead buy components through purchase orders, which expose us to potential price increases and termination of supply without notice or recourse. We generally do not carry significant inventories of product components, which could magnify the impact of the loss of a supplier. If we must use a new source of supply, we could face unexpected manufacturing difficulties and loss of product performance or reliability. In addition, from time to time, lead times for certain components can increase significantly due to imbalances in overall market supply and demand. This, in turn, could limit our ability to satisfy demand for our products on a timely basis and could result in the cancellation of customer orders. Further, adverse economic conditions, including conditions caused by the current COVID-19 pandemic, could result in financial difficulties or bankruptcy for any of our suppliers, which could adversely affect our business and results of operations.

We may source more materials and components from international suppliers, which could disrupt our business.

Although we have historically manufactured and sourced raw materials for the majority of our products domestically, in order for us to compete with lower priced competing products while also improving our profitability, in some instances we have found it desirable to source raw materials and manufactured components and assemblies from Europe, Asia, and South and North America. Reliance on foreign manufacturing and/or raw material supply has lengthened our supply chain and increased the risk that a disruption in that supply chain could have a material adverse effect on our operations and financial performance.

Changes in the competitive environment, supply chain issues, and the transition to our HTS network may require inventory write-downs.

From time to time, we have recorded significant inventory charges and/or inventory write-offs as a result of substantial declines in customer demand. For example, in 2019, we recorded a \$2.3 million inventory reserve relating to our TracPhone V-IP products as we decided to no longer promote sales of these products but instead to focus our efforts on migrating customers to our HTS network and products. Market or competitive changes could lead to future charges for excess or obsolete inventory, especially if we are unable to appropriately adjust the supply of material from our vendors.

Risks related to intellectual property

We are devoting significant resources to research and development efforts that may be unsuccessful. If we are unable to improve our existing mobile connectivity and inertial navigation products and services and develop new, innovative products and services, our sales and market share may decline.

The markets for mobile connectivity products and services and inertial navigation products and services are each characterized by rapid technological change, frequent new product innovations, changes in customer requirements and expectations, and evolving industry standards. For example, we now compete with Inmarsat's Fleet Xpress satellite communications products and services. If we fail to make innovations in our existing products and services and reduce the costs of our products and services in a timely way, our market share may decline. For example, the introductions of our TracVision TV-series antennas in 2014 occurred later than we had anticipated, which we believe led certain customers to purchase competing products. Products or services using new technologies, or emerging industry standards, could render our products and services obsolete. If our competitors successfully introduce new or enhanced products or services that outperform our products or services, or are perceived as doing so, we may be unable to compete successfully in the markets affected by these changes.

Research and development in our industry is inherently complex and uncertain, and our current and anticipated research and development projects may not achieve the results we seek. Our research and development expenses decreased 1% from 2019 to 2020, and increased 11% from the six months ended June 30, 2020 to the six months ended June 30, 2021. The financial resources that we can devote to our research and development efforts may be insufficient to achieve our goals. Our efforts may not result in any viable products or may result in products whose performance, features, price or availability may not be attractive to customers or that we cannot manufacture and sell profitably.

Our business may suffer if we cannot protect our proprietary technology.

Our ability to compete depends significantly upon our patents, copyrights, source code, and other proprietary technology. The steps we have taken to protect our technology may be inadequate to prevent others from using what we regard as our technology to compete with us. Our patents will eventually expire and could be challenged, invalidated or circumvented. Customers or others with access to our proprietary or licensed media content could copy that content without permission or otherwise violate the terms of our customer agreements, which would adversely affect our revenues and could impair our relationships with content providers. In addition, the laws of some foreign countries do not protect our proprietary technology to the same extent as the laws of the United States, which could increase the likelihood of misappropriation. Any misappropriation of our technology or the development of competing technology could seriously harm our competitive position, which could lead to a substantial reduction in net sales. If we resort to legal proceedings to enforce our intellectual property rights, the proceedings could be burdensome, disruptive and expensive, distract the attention of management, and there can be no assurance that we would prevail.

Also, we have delivered certain technical data and information to the U.S. government under procurement contracts, and it may have unlimited rights to use that technical data and information. There can be no assurance that the U.S. government will not authorize others to use that data and information to compete with

Claims by others that we infringe their intellectual property rights could harm our business and financial condition.

Our industries are characterized by the existence of a large number of patents and frequent claims and related litigation regarding patent and other intellectual property rights. We cannot be certain that our products do not and will not infringe issued patents, patents that may be issued in the future, or other intellectual property rights of others.

From time to time we have faced claims by third parties that our products or technology infringe their patents or other intellectual property rights, and we may face similar claims in the future. For example, we were sued for patent infringement in 2015, and we settled this claim in January 2016 with a payment of cash. Any claim of infringement could cause us to incur substantial costs defending against or settling the claim, even if the claim is invalid, and could distract the attention of our management. If any of our products are found to violate third-party proprietary rights, we may be required to pay substantial damages. In addition, we may be required to re-engineer our products or obtain licenses from third parties to continue to offer our products. Any efforts to re-engineer our products or obtain licenses on commercially reasonable terms may not be successful, which would prevent us from selling our products, and, in any case, could substantially increase our costs and have a material adverse effect on our business, financial condition and results of operations.

Risks related to indebtedness

An anticipated audit of our Paycheck Protection Program loan may result in, among other things, a determination that we are not entitled to forgiveness of the loan or that we were not entitled to receive the loan, in which case we would have to repay the loan, with interest, and may face penalties and harm to our reputation.

In early May 2020, we received a \$6.9 million loan from Bank of America, N.A. under the Paycheck Protection Program of the Coronavirus Aid, Relief, and Economic Security Act, or the CARES Act. The loan is described in more detail in Note 5 to our accompanying consolidated financial statements. The loan has a term of two years, and upon application to the Small Business Administration, or SBA, all or a portion of the loan may be forgiven, depending on our use of proceeds and other factors. Under the CARES Act, loan forgiveness is available for certain payroll costs, rent payments, mortgage interest and utilities, if stated conditions are met. We believe we have used the proceeds of the loan for purposes eligible for forgiveness. We intend to apply for forgiveness in August 2021 but can provide no assurance that any portion of the PPP Loan will be forgiven, in which we must repay the loan with interest.

Our credit facility contains financial and restrictive covenants that we may not satisfy, and that, if not satisfied, could result in the acceleration of any outstanding indebtedness and limit our ability to borrow additional funds. The credit facility also imposes restrictions that may limit our ability to pursue business opportunities.

Although no amounts were outstanding under the agreements governing our secured credit facility as of June 30, 2021, the agreements subject us to various financial and other affirmative and negative covenants with which we must comply on an ongoing or periodic basis. These include covenants pertaining to a maximum consolidated leverage ratio and a minimum consolidated fixed charge coverage ratio and covenants requiring the mandatory prepayment of amounts outstanding under the revolver under specified circumstances. The agreements also subject us to various restrictions on our ability to engage in certain

activities, such as raising capital or acquiring businesses. These restrictions may limit or restrict our cash flow and our ability to pursue business opportunities or strategies that we would otherwise consider to be in our best interests.

Risks related to government regulation

Our international operations complicate our business and require us to comply with multiple regulatory environments.

Historically, sales to customers outside the United States have accounted for a significant portion of our net sales. We derived 61%, 64% and 54% of our revenues in the six months ended June 30, 2021 and the years ended December 31, 2020 and 2019, respectively, from sales to these foreign customers. We have foreign offices in Denmark, the United Kingdom, Singapore, Japan, Norway, Cyprus and the Philippines, as well as a subsidiary in Brazil that manages local sales. Nonetheless, substantially all of our personnel and operations, particularly for our mobile connectivity equipment business and our inertial navigation business, are located in the United States. Our limited international operations may impair our ability to compete successfully in international markets and to meet the service and support needs of our customers in countries where we have little to no infrastructure. We face a number of risks associated with our international business activities, which may increase our costs and require significant management attention. These risks include restrictions on international travel, which may restrict our ability to grow and service our business; tariffs; sanctions or other trade restrictions that preclude or restrict doing business with particular foreign governments, companies or individuals; technical challenges we may face in adapting our mobile connectivity products to function with different satellite services and technology in use in various regions around the world; satisfaction of international regulatory requirements and delays and costs associated with procurement of any necessary licenses or permits; the potential unavailability of content licenses covering international waters and foreign locations; restrictions on the sale of certain inertial navigation products to foreign military and government customers; increased costs of providing customer support in multiple languages; increased costs of managing operations that are international in scope; potentially adverse tax consequences, including restrictions on the repatriation of earnings; protectionist laws and business practices that favor local competitors, which could slow our growth in international markets; potentially longer sales cycles; potentially longer accounts receivable payment cycles and difficulties in collecting accounts receivable; and economic and political instability in some international markets.

We could incur additional legal compliance costs associated with our international operations and could become subject to legal penalties if we do not comply with certain regulations.

As a result of our international operations, we are subject to a number of legal requirements, including the U.S. Foreign Corrupt Practices Act, the U.K. Bribery Act and the customs, export, trade sanctions and anti-boycott laws of the United States, including those administered by the U.S. Customs and Border Protection, the Bureau of Industry and Security, the Department of Commerce, the Department of State, and the Office of Foreign Assets Control of the Treasury Department, as well as those of other nations in which we do business. In addition, many of the countries where our customers use our products and services have licensing and regulatory requirements for the importation and use of satellite communications and reception equipment, including the use of such equipment in territorial waters, the transmission of satellite signals on certain radio frequencies, the transmission of voice over Internet services using such equipment, and, in some cases, the reception of certain video programming services. These laws and regulations are changing continuously, making compliance complex. We incur significant costs identifying and maintaining compliance with applicable licensing and regulatory requirements. In addition, our training and compliance programs and our other internal control policies may be insufficient to protect us from acts committed by our employees, agents or third-party contractors. Any violation of these requirements by us or our employees, agents or third-party contractors may subject us to significant criminal and civil liability.

Exports of certain inertial navigation products are subject to the U.S. Export Administration Regulations and the International Traffic in Arms Regulations and require a license from the U.S. Department of State prior to shipment.

We must comply with the United States Export Administration Regulations and the International Traffic in Arms Regulations, or ITAR. Certain of our products have military or strategic applications and are on the munitions list of the ITAR and require an individual validated license in order to be exported to certain jurisdictions. Any changes in export regulations or reclassifications of our products may further restrict the export of our products, and we may cease to be able to procure export licenses for our products under existing regulations. The length of time required by the licensing process can vary, potentially delaying the shipment of products and the recognition of the corresponding revenue. Any restriction on the export of a product line or any amount of our products could cause a significant reduction in net sales.

We are subject to FCC rules and regulations, and any non-compliance could subject us to FCC enforcement actions, fines, loss of licenses and possibly restrictions on our ability to operate or offer certain of our services

The satellite communications industry is regulated by the Federal Communications Commission in the United States and, as a result, we are subject to existing and potential FCC regulations relating to privacy, contributions to the Universal Service Fund, or USF, and other requirements. If we do not comply with FCC rules and regulations, we could be subject to FCC enforcement actions, substantial fines, penalties, loss of licenses and possibly restrictions on our ability to operate or offer certain of our services. Any enforcement action by the FCC, which may be a public process, could hurt our reputation in the industry, possibly impair our ability to sell our services to customers and could harm our business and results of operations.

Reform of federal and state USF programs could increase the cost of our service to our customers, diminishing or eliminating our pricing advantage.

The FCC has been considering reform or other modifications to its USF program, which, if implemented, could change the way we calculate our contribution to USF. In April 2012, the FCC released a proposal to consider reforms to the manner in which companies like us contribute to the federal USF program. In general, the proposal indicates that the FCC is considering changes to the companies that should contribute, how contributions should be assessed, and methods to improve the administration of the system. We cannot predict the outcome of this proceeding or its impact on our business. The changes in the U.S. administration may renew interest in completing this proceeding. Should the FCC adopt new contribution mechanisms or otherwise modify contribution obligations that increase our contribution burden, we will either need to raise the amount we currently collect from our customers to cover this obligation or absorb the costs, which would reduce our profit margins. The attractiveness of our services may also be reduced as compared to the services of our competitors that do not appear to contribute to USF, or do not do so to the same extent that we do.

Privacy concerns and domestic or foreign laws and regulations may reduce demand for our services, increase our costs and harm our business.

Our company and our customers can use our services to collect, use and store personal, confidential and sensitive information regarding the content and manner of usage of our services by them, their employees and maritime crews. Federal, state and foreign governments have adopted and are proposing new and more stringent laws and regulations regarding the collection, use, storage and transfer of information, such as the European Union's General Data Protection Regulation ("GDPR"), which took effect in May 2018. The costs of compliance with, and other burdens imposed by, such laws and regulations may limit the use and adoption of our services and reduce overall demand. Non-compliance with these laws and regulations could lead to significant remediation expenses, fines, penalties or other liabilities, such as orders or consent decrees that require modifications to our privacy practices, as well as reputational damage or third-party lawsuits seeking damages or other relief. For example, the GDPR imposes a strict data protection compliance regime with penalties of up to the greater of 2%-4% of worldwide revenue or €10-20 million.

Domestic and international legislative and regulatory initiatives may harm our ability, and the ability of our customers, to process, handle, store, use and transmit information, which could reduce demand for some of our services, increase our costs and force us to change our business practices. For example, the invalidation of the Privacy Shield may affect our ability to collect, use and transfer personal information of EU individuals outside of the EU. These laws and regulations are still evolving, are likely to be in flux and may be subject to uncertain interpretation for the foreseeable future. Our business also could be harmed if legislation or regulations are adopted, interpreted or implemented in a manner that is inconsistent from country to country or inconsistent with our current policies and practices or those of our customers.

We may have exposure to additional tax liabilities, which could negatively impact our income tax expense, net income and cash flow.

We are subject to income and other taxes in the U.S. and the foreign jurisdictions in which we operate. The determination of our worldwide provision for income taxes and current and deferred tax assets and liabilities requires significant judgment and estimation. In the ordinary course of our business, there are many transactions and calculations where the ultimate tax determination is uncertain. Although we believe our tax estimates are reasonable, the ultimate tax outcome may differ materially from our estimates and may materially affect our income tax benefit or expense, net loss or income, and cash flows in the period in which such determination is made. As of June 30, 2021, we had liabilities for uncertain tax positions of \$0.6 million.

Deferred tax assets are recognized for the expected future tax consequences of temporary differences between the carrying amount for financial reporting purposes and the tax bases of assets and liabilities, and for net operating losses and tax credit

carry forwards. We have historically recorded valuation allowances to reduce our deferred tax assets to estimated realizable value. We review our deferred tax assets and valuation allowance requirements quarterly. If we are unable to demonstrate that it is more likely than not that we will not be able to generate sufficient future taxable income to realize the net carrying value of deferred tax assets, we will record a valuation allowance to reduce the deferred tax assets to estimated realizable value, which could result in a material income tax charge. As part of our review, we consider positive and negative evidence, including cumulative results of recent years.

Risks related to owning our common stock

The market price of our common stock may be volatile.

Our stock price has historically been volatile. During the period from January 1, 2018 to June 30, 2021, the trading price of our common stock ranged from \$6.36 to \$15.29. Many factors may cause the market price of our common stock to fluctuate, including variations in our quarterly results of operations; the introduction of new products and services by us or our competitors; changing needs of military customers; changes in estimates of our performance or recommendations by securities analysts; the hiring or departure of key personnel; acquisitions or strategic alliances involving us or our competitors; market conditions in our industries; and the global macroeconomic and geopolitical environment.

Broad market fluctuations may adversely affect the market price of our common stock. When the market price of a company's stock drops significantly, stockholders often institute securities litigation against that company. Any such litigation could cause us to incur significant expenses defending against the claim, divert the time and attention of our management and result in significant damages.

ITEM 6. EXHIBITS

Exhibits:

Exhibit	Description	Filed with – this Form 10-Q		Incorporated by Reference			
No.			Form	Filing Date	Exhibit No.		
3.1	Amended and Restated Certificate of Incorporation, as amended		10-Q	August 6, 2010	3.1		
<u>3.2</u>	Amended and Restated Bylaws		10-Q	November 1, 2017	3.2		
<u>4.1</u>	Specimen certificate for the common stock		10-K	March 2, 2018	4.1		
<u>4.2</u>	Description of Capital Stock		8-K	August 4, 2020	4.1		
<u>31.1</u>	Rule 13a-14(a)/15d-14(a) certification of principal executive officer	X					
<u>31.2</u>	Rule 13a-14(a)/15d-14(a) certification of principal financial officer	X					
<u>32.1</u>	Section 1350 certification of principal executive officer and principal financial officer	X					
101	The following financial information from KVH Industries, Inc.'s Quarterly Report on Form 10-Q for the quarter ended June 30, 2021, formatted in Inline XBRL (Extensible Business Reporting Language): (i) the Consolidated Balance Sheets (unaudited), (ii) the Consolidated Statements of Operations (unaudited), (iii) the Consolidated Statements of Comprehensive Loss (unaudited), (iv) the Consolidated Statement of Stockholders' Equity (unaudited), (v) the Consolidated Statements of Cash Flows (unaudited), and (vi) the Notes to Consolidated Interim Financial Statements (unaudited). Cover Page Interactive Data File (embedded within the Inline XBRL document)	X X					

SIGNATURE

Pursuant to the requirements of the	e Securities Exchange Act of 1934	, the registrant has duly	caused this report to be s	igned on its behalf by t	he undersigned,
thereunto duly authorized.					

Date: July 30, 2021

KVH Industries, Inc.

By: /s/ ROGER A. KUEBEL

Roger A. Kuebel (Duly Authorized Officer and Chief Financial Officer)

Certification of Principal Executive Officer Pursuant to Rule 13a-14 or 15d-14 under the Securities Exchange Act of 1934 as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

- I, Martin A. Kits van Heyningen, certify that:
 - 1. I have reviewed this quarterly report on Form 10-Q of KVH Industries, Inc.;
 - 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
 - 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
 - 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
 - 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: July 30, 2021

/s/ Martin A. Kits van Heyningen

Martin A. Kits van Heyningen

President, Chief Executive Officer and

Chairman of the Board

Certification of Principal Financial Officer Pursuant to Rule 13a-14 or 15d-14 under the Securities Exchange Act of 1934 as Adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002

I, Roger A. Kuebel, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of KVH Industries, Inc.;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: July 30, 2021

/s/ Roger A. Kuebel

Roger A. Kuebel

Chief Financial Officer

CERTIFICATION PURSUANT TO 18 U.S.C. §1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of KVH Industries, Inc. (the "Company") for the quarter ended June 30, 2021, as filed with the Securities and Exchange Commission on the date hereof (the "Report"), each of the undersigned President, Chief Executive Officer and Chairman of the Board, and Chief Financial Officer of the Company, certifies, to his best knowledge and belief, pursuant to 18 U.S.C. § 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Act of 1934; and

2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

/s/ Martin A. Kits van Heyningen/s/ Roger A. KuebelMartin A. Kits van HeyningenRoger A. Kuebel

President, Chief Executive Officer and Chief Financial Officer

Chairman of the Board

Date: July 30, 2021 Date: July 30, 2021