TracPhone® V3HTS
World's fastest, lightest ultra-compact marine VSAT

The rugged 37 cm TracPhone V3HTS offers global connectivity and crystal-clear voice calls via advanced next-generation high-throughput satellites (HTS) from Intelsat and SKY Perfect JSAT on the mini-VSAT Broadband℠ HTS network. The result is an ultra-compact SATCOM solution that outperforms the leading competing 60-85 cm Ku-band antennas.

① Ultra-high efficiency antenna using KVH's RingFire™ design and groundbreaking dielectric rod feed ensures excellent Ku-band reception even in bad weather

② Advanced antenna controller for high-speed tracking

③ Dynamic, gyro-stabilized system seeks the optimum satellite within the mini-VSAT Broadband HTS network and tracks it through the full dynamic motion experienced at sea

The powerful ICM, with its high-throughput modem, Voice over IP (VoIP) adapter, versatile network management software, and built-in Wi-Fi and Ethernet, is the streamlined all-in-one belowdecks unit that drives the TracPhone V3HTS.

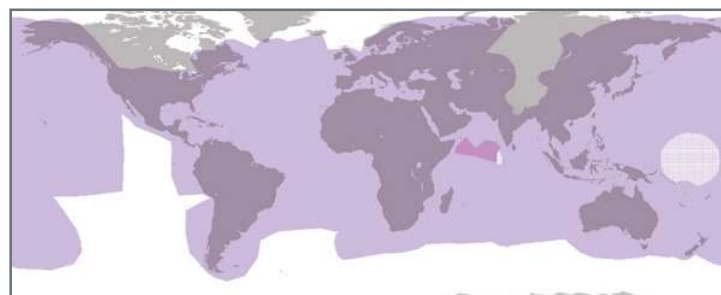# TracPhone V3HTS with mini-VSAT Broadband HTS Service

System Specifications

Service	
Network	mini-VSAT Broadband HTS Network
Antenna Type	Ku-band
Service Coverage Area	Seamless Worldwide Regions
Maximum Speed Download/Upload[1]	as fast as 5 Mbps/2 Mbps (down/up)

Abovedecks Equipment	
Antenna Dish Diameter	36.8 cm (14.5")
Antenna Unit Dimensions/Weight	39.4 cm D x 44.7 cm h (15.5" D x 17.6" h)/11.3 kg (25 lbs)
Elevation/Azimuth Range	7.7° to 75°/720° rotation
Temperature	Operating: -30°C to 55°C (-22°F to 131°F); Survival: -35°C to 70°C (-31°F to 158°F)
Humidity	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 1.7 mm/min, w/wind speeds up to 100 knots
Heading Input	NMEA 0183 magnetic or true heading
Antenna Unit Power	DC; provided by ICM
ICM to Antenna Unit Communications	14 Conductor Data Cable
L-band RF Cables (customer supplied)	For 5-30 m (15-100 ft.) choose RG-11 For 30-60 m (101-200 ft.) choose LMR-400-75 For 60-100 m (201-325 ft.) choose LMR-600-75

Belowdecks Equipment – Integrated CommBox™ Modem (ICM)	
Dimensions	42.6 cm l x 41.4 cm w x 2U h (16.8" x 16.3" x 2U) rack-mountable with optional mounting provisions[2]
Weight	5.1 kg (11.25 lbs)
Temperature	Operating: -15°C to 55°C (5°F to 131°F); Survival: -15°C to 70°C (5°F to 158°F)
Input Power	100-240 VAC, 50-60 Hz auto switching, 250W max
Data Interfaces	4 Ethernet: IEEE 802.3 10BASE-T/100BASE-TX, 100 Mbps; 1 Wi-Fi 802.11; 3 USB ports
Voice Interfaces	1 RJ11 port for VoIP services

System Options	
CommBox Software Bundles Available	Standard or Enterprise Bundles – see "Featured Options" at kvh.com/v3hts for details
UCH-250 Fax Server	For enterprise-grade faxing over IP (Part Number 19-0520); contact KVH for details
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details

Complete System	
Certification	Complies with the essential requirements of Radio Equipment Directive 2014/53/EU, which includes the safety objectives set out in Low Voltage Directive 2014/35/EU and an adequate level of electromagnetic compatibility as set out in EMC Directive 2014/30/EU.
System Warranty[3]	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN)
Part Number/MSRP (USD)	01-0418-11/$17,995

Meets FCC and CE requirements. Exceeds Inmarsat operational, survival, and shock specifications.
[1]Published data speeds are maximum speeds and may vary in different regions and under different conditions.
[2]Optional Belowdecks Mounting Case (Part Number 72-0368) available for vessels without a rack.
[3]Unless subject to in-country regulations. Restrictions apply. Visit www.kvh.com/warranty for details.

System Diagram

Integrated CommBox Modem (ICM) –

Streamlined belowdecks unit includes: IP-enabled antenna control unit, built-in CommBox Ship/Shore Network Manager, high-throughput modem, Voice over IP adapter, and built-in Wi-Fi and Ethernet switch.

Competing 60 cm Ku-band VSAT Antenna
90 cm D, 60 kg (35.5" D, 132 lbs)
Max. data rate: 3 Mbps download

TracPhone V3HTS
39.4 cm D, 11.3 kg (15.5" D, 25 lbs)
Max. data rate: 5 Mbps download

The TracPhone V3HTS offers data speeds faster than competing, larger Ku-band VSAT systems, all via a rugged, lightweight, easily installed commercial-grade antenna.

mini-VSAT Broadband HTS Network Coverage Map

The TracPhone V3HTS is a two-axis, stabilized antenna that does not provide coverage in areas where the satellite is directly overhead as shown in the hatched areas to the left.

The map depicts KVH's expectations for the mini-VSAT Broadband HTS Network's Coverage for the TracPhone V3HTS; actual coverage and availability may vary. Data rates may also vary in different regions. Go to www.kvh.com/minivsathtsmap to view our coverage map and for complete details. KVH provides no guarantees of satellite coverage or availability.
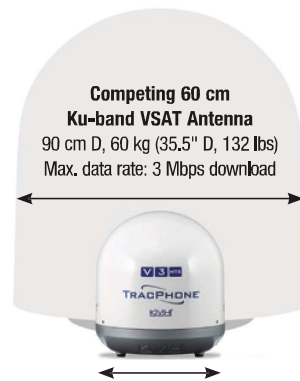
Ku-band Coverage   Anticipated 2020 Coverage

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