

Key Features

- Manufacturer-independent mobile validation system
- Message-level conformance testing
- Multi V2X standard support: ETSI, SAE, CSAE
- Hybrid communication: DSRC and C-V2X
- Logging and analysis directly on site, compact with only one device

The WaveBee Touch has three operating modes:

Live: Shows all live and on-site data received over the air on an interactive map with direct analysis of V2X messages in selectable levels of detail.

Record: Records all received data in addition to the live mode display and analysis. This allows all received data traffic to be evaluated and analyzed later. Data export is possible in a PCAP format to make the recording available to downstream systems.

Playback: Allows the playback of recorded V2X data to view and analyze self-made recordings in detail directly on-site. Furthermore, this mode also enables the import, playback, and analysis of PCAP recordings from third-party systems.

The HMMC-5627 can be used in instrumentation, communications, radar, ECM, EW, and many other systems requiring SPDT switching. It can be used for pulse modulation, port isolation, transfer switching, high-speed switching, replacement of mechanical switches, and so on.

Typical Applications

- Research and development
- Functional validation of series systems (e.g., automotive ECUs)
- Installation of roadside units
- Maintenance and operational safety by means of test definitions and reporting (e.g., traffic systems)
- Conformance testing/interoperability testing (e.g., in mixed networks of different V2X vendors)

Technical Details

The WaveBee Touch is the ideal all-purpose tool for visualizing, recording, and analyzing V2X messages bundled in a compact, stand-alone tablet.

This product is ready to use without programming knowledge for validation, conformance testing, interoperability testing, and functional verification — whether for functional validation of a V2X on-board unit of a production vehicle, a roadside unit in a C-ITS highway corridor, or at an inner-city traffic signal installation.



Communication standard	ETSI, SAE, C-SAE
Weight	1.3 kg (2.87 lbs.)
Dimensions (W x H x D)	275 x 171 x 32 mm (10.8 x 6.7.x 1.2 in.)
Communication technology	DSRC (IEEE 802.11p) C-V2X (PC-5 sidelink)
Protection	IP65, IEC 60529, partially MIL-STD-810G supported
Display	10.1" capacitive multi-touch 1920x1200 Pixel Daylight readable, 600 nits Chemically hardened glass
System	Intel® Celeron® N2930 1.83 GHz (2.16 GHz boost) 64-bit quad-core SoC integrated chipset 4 GB RAM 128 GB Storage
Operating temperature	-20 °C to 60 °C (-4 °F to 140 °F) MIL-STD-810G Method 501.5/502.5 procedures II, III
Communication	Wireless LAN 2.4 GHz + 5 GHz 802.11ac a/b/g/n Ethernet port

Order Configuration

Configure your WaveBee Touch by choosing regional V2X standard licenses and accessories. You can choose more than one license, depending on the customer requests.

Choose Software

Product models	Product description
AV2001CNA	WaveBee Touch CN (C-SAE)
AV2001EUA	WaveBee Touch EU (ETSI)
AV2001USA	WaveBee Touch US (SAE)

Choose Accessories

Item	Description
AV1021A-104	WaveBee Touch standard battery pack



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