MUSSON MARINE SAFETY SOLUTIONS

OEM module system Cospas-Sarsat, AIS and DSC VHF

This OEM module is designed for using in all types of Cospas-Sarsat devices, such as EPIRB, PLB, ELT and also for other different types of rescue equipment as MOB, AIS PLB, EPIRB-AIS, AIS-SART, rescue tools (emergency buttons) for installation on trucks, lost containers tracking facilities, for MSLS device (MSLD) and other device combinations according to RTCM 11901.1

Main features of suggested OEM modules are described below.

Cospas-Sarsat 406MHz OEM-module part number – MS-ACS M1

Adding to device MS-CS M1 specifications.

AIS-SART channel specifications

Operating frequency: channel 1 – 161.975MHz

channel 2 – 162.025MHz

Power: 33dBm (2W) Modulation: GMSK Modulation method: digital Frequency stability: ± 2ppm

Spurious emission attenuation: not less than 40dB

Bit rate: 9600Baud

ID and MMSI programming from PC Operation modes: emergency / test

Self-testing: battery voltage, output power, frequency capture,

GPS coordinates presence

Average current consumption (including GPS): 12mA

DSC channel specifications

Operating frequency: 156.525MHz (channel70)

Power: 33dBm (2W) Modulation: G2B

Modulation method: digital

Frequency stability: ±2ppm

Spurious emission attenuation: not less than 40dB

Bit rate: 1200Baud

ID and MMSI programming from PC Operation modes: emergency / test

Self-testing: battery voltage, output power, frequency capture,

GPS coordinates presence

Average current consumption (including GPS): 10mA

General specifications

Power supply: 4.8-7.2V

Operating temperatures: -20°C to +55°C

PCB size: Diameter: 55mm, height with add-on components

not more than 10mm.

PCB weight: not more than 20gr

Compliancy: ETS300 066, Cospas-Sarsat C/S T.001, C/S T.007;

IEC_61097-14; IMO Resolution.

Outdated frequencies 121.5 and 243MHz can be added – more

information if requested.

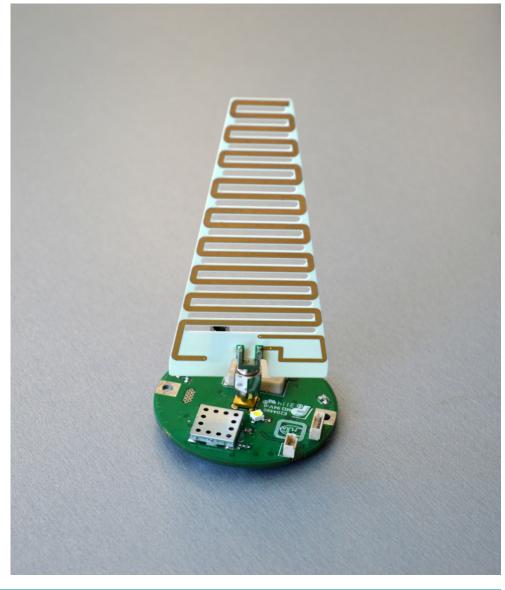
Operation in lower temperatures is possible – more

information if requested.

Options

Soft- and hardware for coding and parameter installation by manufacturer — part number PSH M1 $\,$

Software, coding tool and its design docs for ID changing on frequency 406MHz, AIS and DSC — the set should be sent to dealer and service centers for coding specially for user — part number CS M1.





Musson Marine Ltd.

Address: Buznika Str. 5, Suite 114, Mykolaiv, Ukraine, 54010 Tel: +38 0512 45 40 45; Fax: +38 0512 584 199 E-mail: info@mussonmarine.com; Web-site: www.gmdsstesters.com

Musson Marine Ltd was acquired by Aeromarine SRT company in the end of 2015
Ukraine Reg. No. 31222777, Ukraine VAT Reg. No. 312227727053

