Factory and Test Certificate

Date of report: | 12.06.2019 | | Filled by: | O.Glushko
Reference: | 2019-02287 | | Tested by: | E. Kebkal

Product Description

Product name: | S2C M 18/34 Hydroacoustic mini-Modem | | Firmware: | v2.0.1-1
Serial Number: | 1834/19#189/11 | Interfaces: | 1. | Ethernet 192.168.0.189
| | | 2. |
| | | 3. |

Housing Material: | Delrin | Maximum depth (m) | 200
Transducer type: | 18/34 | Maximum depth (m) | -

Installed Options

☐ Acoustic wake-up module	☐ USBL Antenna	Local address:	3
☐ AHRS	☐ Opto-coupler	Remote Address:	0
☐ Data logger	☐ Sensor integration	Sensor name:	
☐ Additional virtual data channels			
X Distance and speed measurement			

Other/ Comments
Reworked: SDM (Software Defined Modem) functionality enabled;
IP reset to factory settings.
32 GB microSD card installed

Tests Conducted

	Test	Value	Status
X	Source Level (SrcLev=0), dB re 1 uPa @ 1 m	187,25	OK
X	Frequency Range, kHz	18-34	OK
X	Power consumption Rx Mode, W	1,30	OK
X	Power consumption Tx Mode, W	55,20	OK
☐	Power consumption WakeUp Idle Mode, mW		
☐	Power consumption WakeUp Active Mode, mW		
X	Data Transmission, kbps	13,9	OK
X	Vacuum test, bar	-0,8	OK
X	Pressure test, bar	20	OK
☐	Boot time (wake-up module), ms		
X	Noise level, dB	-103	OK

Connector Configuration

Data/Power Eth

Description	PIN	Description	PIN
TxD+OUT	1		
TxD-OUT	2		
RxD+IN	3		
RxD-IN	4		
V+ (24V)	5		
V- (Power_GND)	6		
POWER ON	7		
NC	8		

Subconn FCR1508M	not installed

Signed by | Sergey Yakovlev

Company Stamp