

Certificate of Calibration

Ocean Sonics, Ltd.

Calibration Certificate Number:

C7085

Test Result:

10 kHz to 100 kHz: -172.8 ± 2.2

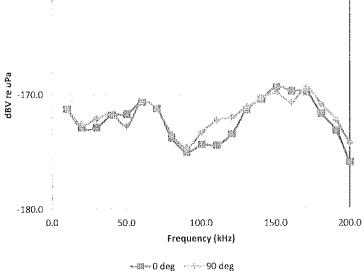
10 kHz to 200 kHz: -172.6 ± 3.3

Model Number	SB35-ETH	
Serial Number	1362	
Manufacture Date	7-Sep-2018	
Measurement Date	8-Mar-2023	
Certificate Date	8-Mar-2023	
Sensitivity @ 26 Hz -170.5 dB re V /		
Case Type	Titanium	
Element Manufacturer	GeoSpectrum	
Element Model	M24HF	
Element Serial	F000365	
Preamp Model	04-300435-09	
Calibrated By	D.Lee	
Work Order Number	W45-135	
Test Type	RX Sensitivity	
Test Procedure	Complex RMS	
Test Location	Tank #3, 1 m	
Water Temperature	16 °C	
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Projector Manufacturer Ocean Sonics **Projector Model** TH2-SER-4F **Projector Serial** 2225 Measurement Distance 1 m **Output Level** 129.7 dB re uPa @ 1 m **Tone Burst** 100.0 us / 300 ms Reference Manufacturer Ocean Sonics Reference Model RB9-ETH Reference Serial 2080 **Primary Calibration** 20-Jan-2020 Preamp Manufacturer Ocean Sonics 04-300449-01 **Preamp Model** M58 Preamp Serial 36 dB Preamp Gain Ocean Sonics ADC Manufacturer **ADC Model Number** 04-300426-01

ADC Serial Number

Receive Sensitivity -160.0



Frequency	Sensitivity [dBV re µPa]	
kHz	0 deg	90 deg
10.0	-171.2	-171.2
20.1	-172.9	-172.6
30.1	-172.9	-172.1
40.2	-171.7	-171.7
50.2	-171.7	-172.7
60.2	-170.6	-170.6
70.3	-171.2	-171.2
80.3	-173.8	-173.5
90.4	-175.0	-174.6
100.4	-174.3	-173.3
110.4	-174.4	-172.2
120.5	-173.4	-171.9
130.5	-171.3	-171.0
140.5	-170.4	-170.3
150.6	-169.3	-169.8
160.6	-169.6	-170.6
170.7	-169.8	-169.4
180.7	-171.6	-170.8
190.7	-173.1	-172.2
200.0	-175.9	-174.2

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