

Certificate of Calibration

Ocean Sonics, Ltd.

Calibration Certificate Number:

C7055

Test Result:

10 kHz to 100 kHz: -171.9 ± 1.9

10 kHz to 200 kHz: -173.5 ± 4.3

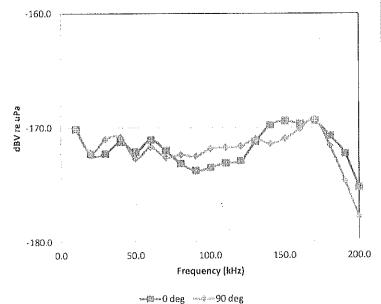
Model Number SB35-ETH Serial Number 1291 20-Oct-2017 Manufacture Date Measurement Date 1-Mar-2023 **Certificate Date** 1-Mar-2023 Sensitivity @ 26 Hz -170.5 dB re V / uPa Case Type **Titanium Element Manufacturer** GeoSpectrum Element Model M24HF F000846 **Element Serial** 04-300435-09 **Preamp Model** Calibrated By D.Lee W45-135 Work Order Number **Test Type RX Sensitivity Test Procedure** Complex RMS **Test Location** Tank #3, 1 m Water Temperature 16 °C

Projector Manufacturer **Ocean Sonics** TH2-SER-4F **Projector Model** 2225 **Projector Serial** Measurement Distance 1 m 130 dB re uPa @ 1 m **Output Level** 100,0 us / 300 ms **Tone Burst Ocean Sonics** Reference Manufacturer Reference Model RB9-ETH 2080 Reference Serial **Primary Calibration** 20-Jan-2020 Ocean Sonics Preamp Manufacturer Preamp Model 04-300449-01 M58 Preamp Serial 36 dB Preamp Gain **ADC Manufacturer Ocean Sonics ADC Model Number** 04-300426-01

ADC Serial Number

M59

Receive Sensitivity



Frequency	Sensitivity [dBV re µPa]	
kHz	0 deg	90 deg
10.0	-170.1	-170.1
20.1	-172.3	-172.2
30.1	-172.3	-171.0
40.2	-171.3	-170.8
50.2	-172.1	-172.7
60.2	-171.1	-171.7
70.3	-172.0	-172.7
80.3	-173.2	-172.4
90.4	-173.8	-172.5
100.4	-173.5	-171.9
110.4	-173.1	-171.8
120,5	-172.9	-171.7
130.5	-171.2	-171.0
140.5	-169.8	-171.4
150.6	-169.4	~171.0
160.6	-169.7	-170.1
170.7	-169.4	-169.3
180.7	-170.7	-171.6
190.7	-172.3	-174.7
200.0	-175.3	-177.8