

Certificate of Calibration

Ocean Sonics, Ltd.

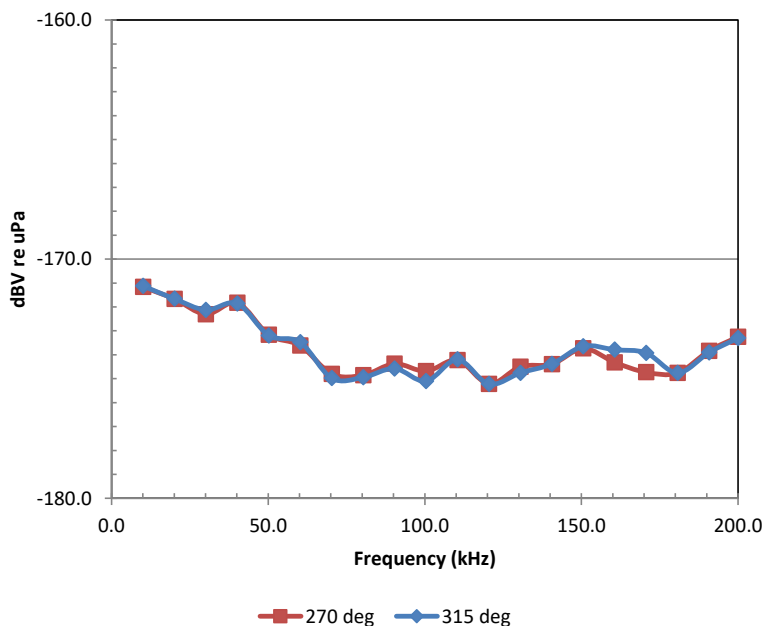
Calibration Certificate Number: C7209

Test Result: 10 kHz to 100 kHz: -173.1 ± 2.0
10 kHz to 200 kHz: -173.2 ± 2.1

Model Number SJ35-ETH
Serial Number 6640
Manufacture Date 14-Apr-2023
Measurement Date 27-Apr-2023
Certificate Date 27-Apr-2023
Sensitivity @ 26 Hz -172 dB re V / uPa
Case Type Titanium
Element Manufacturer Ocean Sonics
Element Model J001
Element Serial PIC2207037
Preamp Model 04-300451-06
Calibrated By D.Lee
Work Order Number W270-315
Test Type RX Sensitivity
Test Procedure Complex RMS
Test Location Tank #3, 1 m
Water Temperature 16 °C

Projector Manufacturer Ocean Sonics
Projector Model TH2-SER-4F
Projector Serial 2225
Measurement Distance 1 m
Output Level 129.9 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
Preamp Model 04-300449-01
Preamp Serial M58
Preamp Gain 36 dB
ADC Manufacturer Ocean Sonics
ADC Model Number 04-300426-01
ADC Serial Number M59

Receive Sensitivity



Frequency	Sensitivity [dBV re uPa]	
kHz	270 deg	315 deg
10.0	-171.2	-171.1
20.1	-171.7	-171.7
30.1	-172.3	-172.1
40.2	-171.8	-171.9
50.2	-173.2	-173.2
60.2	-173.6	-173.5
70.3	-174.8	-175.0
80.3	-174.9	-174.9
90.4	-174.4	-174.6
100.4	-174.7	-175.1
110.4	-174.2	-174.2
120.5	-175.2	-175.2
130.5	-174.5	-174.8
140.5	-174.4	-174.4
150.6	-173.7	-173.6
160.6	-174.3	-173.8
170.7	-174.7	-173.9
180.7	-174.8	-174.8
190.7	-173.8	-173.9
200.0	-173.3	-173.3