

## Certificate of Calibration Ocean Sonics, Ltd.

C3062 **Calibration Certificate Number** 

10 kHz to 100.4 kHz:  $-170.1 \pm 2.7$ Test Result:

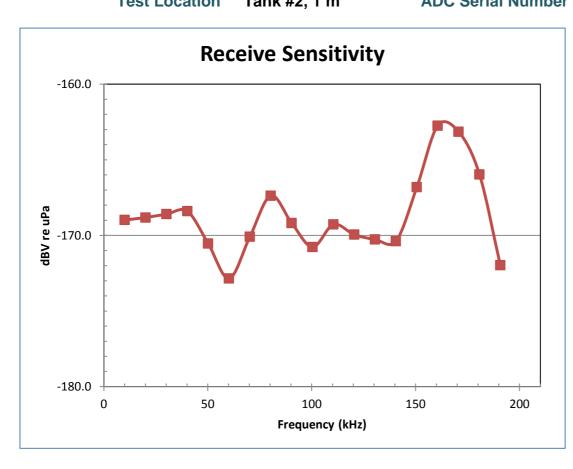
> 10 kHz to 190.7 kHz:  $-167.8 \pm 5.1$

**Model Number** SB35-ETH **Projector Manufacturer Ocean Sonics** 1270 **Serial Number Projector Model** TH2-SER-4F **Manufacture Date** 9-Dec-2013 **Projector Serial** 2210 **Measurement Date** 6-May-2014 **Measurement Distance** 1 m **Certificate Date** 6-May-2014 **Projector Mode** Wideband -169.0 dBV re µPa 131.5 dB re µPa @ 1.0 m Sensitivity @ 26 Hz **Output Level Case Type Titanium Reference Manufacturer** Reson **Element Manufacturer** GeoSpectrum Reference Model TC4034-1 **Element Model** M24HF **Reference Serial** 4211050 **Element Serial** 820 **Preamp Manufacturer Ocean Sonics** 

**Software Release** 24 **Preamp Model** 300415-01 Calibrated By M.Ceekala **Preamp Serial** 110

W1080 30 dB **Work Order Number Preamp Gain Test Type RX Sensitivity ADC Manufacturer** 

**Ocean Sonics Test Proecdure Gated DFT ADC Model Number** 04-300422-01 **Test Location** Tank #2, 1 m **ADC Serial Number** 93



Frequency	Sensitivity
kHz	dBV re µPa
10.0	-169.0
20.1	-168.8
30.1	-168.6
40.2	-168.4
50.2	-170.5
60.2	-172.9
70.3	-170.1
80.3	-167.4
90.4	-169.2
100.4	-170.8
110.4	-169.3
120.5	-169.9
130.5	-170.3
140.5	-170.4
150.6	-166.8
160.6	-162.7
170.7	-163.1
180.7	-166.0
190.7	-172.0