

## Certificate of Calibration Ocean Sonics, Ltd.

Calibration Certificate Number C3074

**ADC Model Number** 

**ADC Serial Number** 

200

Test Result: 10 kHz to 100 kHz: -170.4 ± 2.4

10 kHz to 190.7 kHz:  $-169.9 \pm 5.2$ 

**Model Number** SB35-ETH **Projector Manufacturer Ocean Sonics** 1292 **Serial Number Projector Model** TH2-SER-4F **Manufacture Date** 7-May-2014 **Projector Serial** 2210 **Measurement Date** 20-May-2014 **Measurement Distance** 1 m **Certificate Date** 20-May-2014 **Projector Mode** Wideband Sensitivity @ 26 Hz -170.1 dBV re µPa **Output Level** 131.5 dB re μPa @ 1.0 m **Case Type Titanium Reference Manufacturer** Reson **Element Manufacturer GeoSpectrum Reference Model** TC4034-1 **Element Model** M24HF **Reference Serial** 4211050 **Element Serial** 906 **Preamp Manufacturer Ocean Sonics Software Release** 27 **Preamp Model** 300415-01 **Calibrated By** M.Ceekala **Preamp Serial** 110 W1088 30 dB **Work Order Number Preamp Gain Test Type RX Sensitivity ADC Manufacturer Ocean Sonics** 

Receive Sensitivity

-160.0

-170.0

100

Frequency (kHz)

**Gated DFT** 

Tank #2, 1 m

Frequency	Sensitivity
kHz	dBV re μPa
10.0	-168.6
20.1	-168.0
30.1	-170.0
40.2	-168.0
50.2	-168.0
60.2	-172.8
70.3	-171.1
80.3	-172.6
90.4	-170.7
100.4	-171.7
110.4	-172.6
120.5	-170.4
130.5	-170.9
140.5	-168.4
150.6	-167.0
160.6	-165.3
170.7	-164.7
180.7	-169.1
190.7	-175.0

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93

0

50

**Test Proecdure** 

**Test Location** 

150