



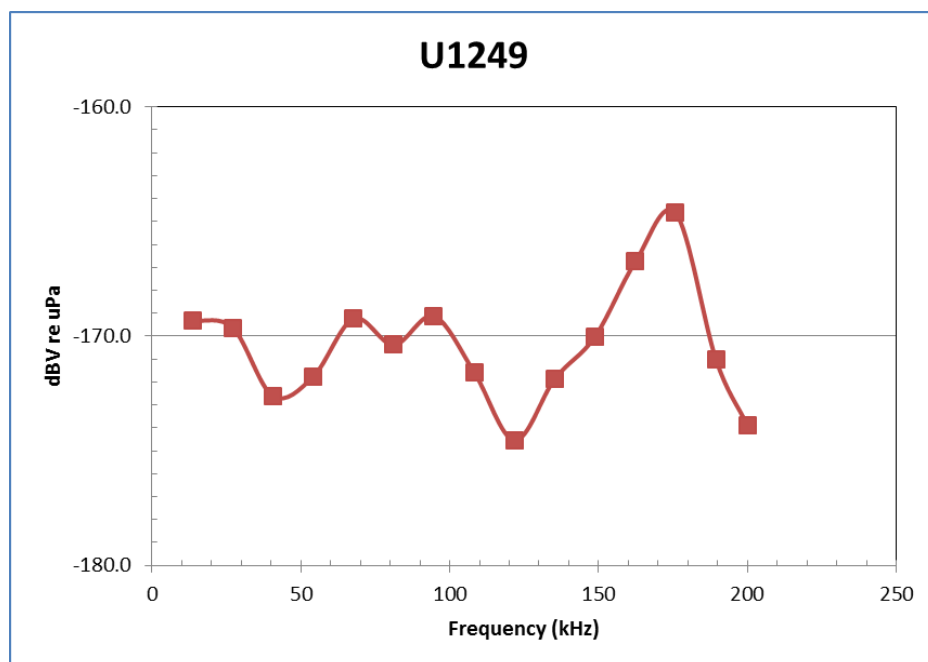
Certificate of Calibration
Ocean Sonics Ltd.

Calibration Number **3007**

Unit Type **SB2-ETH**
Serial Number **1249**
Build Date **16 March 2013**
Measured Date **05 August 2013**
Release Date **05 August 2013**
Sensitivity @ 26 Hz **-168.49 dBV re μ Pa**
Case Type **Titanium**
Element Number **626**
F/W Version **19b**
Calibrated By **T.Sandhu**
Work Order # **W1033**

Projector Model **TH2-SER-4F**
Projector Serial **2206**
Projector output **131.5 dB re μ Pa**
Projector Mode **Wideband**
Distance **0.5 Meter**
No. of Averages **2**
Analog Reference **Reson**
Ang. Ref. Model **TC4034-1**
Ang. Ref. Serial **4211050**
Ref. Preamp **300415-01**
Ref. Preamp Serial **78**
Ref. Preamp Gain **30.0 dB**
Digital Reference **300422-01**
Digital Ref. Serial **87**

Test Performed Receive Sensitivity Calibration
Facility Calibration Tank #1
Test Result **0 to 100 KHz, -170.5 \pm 1.6 dB**
0 to 200 KHz, -170.4 \pm 4.9 dB



Frequency kHz	Sensitivity dBV re μ Pa
13.5	-169.3
27.1	-169.6
40.6	-172.6
54.1	-171.8
67.7	-169.2
81.2	-170.4
94.7	-169.1
108.3	-171.6
121.8	-174.5
135.3	-171.9
148.8	-170.0
162.4	-166.7
175.9	-164.6
189.4	-171.0
200	-173.9