



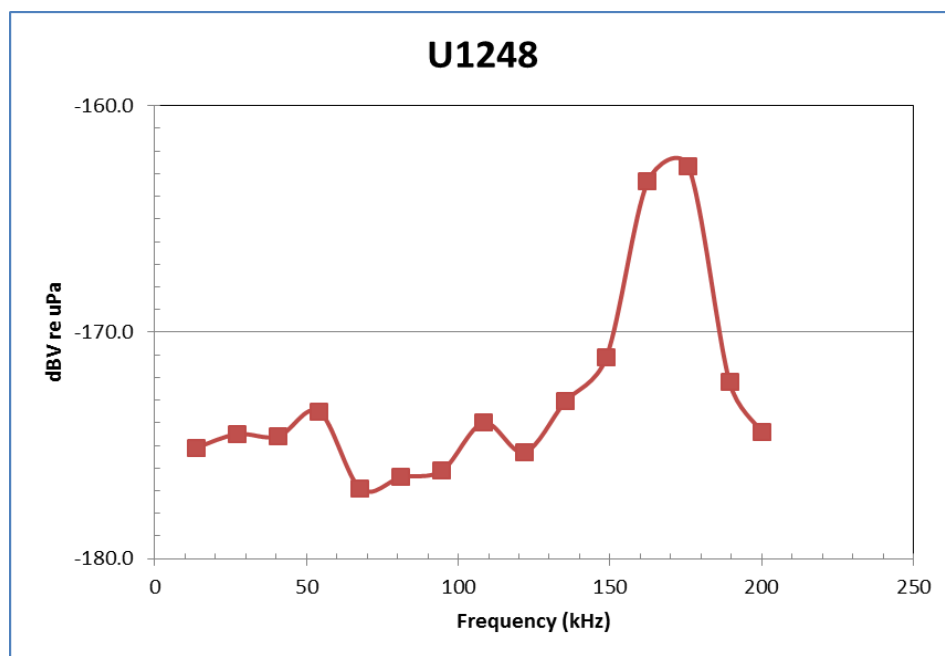
Certificate of Calibration
Ocean Sonics Ltd.

Calibration Number **3006**

Unit Type **SB2-ETH**
Serial Number **1248**
Build Date **01 August 2013**
Measured Date **02 August 2013**
Release Date **05 August 2013**
Sensitivity @ 26 Hz **-170.53 dBV re μ Pa**
Case Type **Titanium**
Element Number **746**
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, -175.1 \pm 1.7 dB**
0 to 200 KHz, -172.9 \pm 7.1 dB



Frequency kHz	Sensitivity dBV re μ Pa
13.5	-175.1
27.1	-174.5
40.6	-174.6
54.1	-173.5
67.7	-176.9
81.2	-176.4
94.7	-176.1
108.3	-174.0
121.8	-175.3
135.3	-173.1
148.8	-171.1
162.4	-163.4
175.9	-162.7
189.4	-172.2
200	-174.4