

承 認 書
Specification for Approval

客戶名稱 :光寶科技股份有限公司

客戶型號: **05PS17**

客戶料號: **20-01844-00A**

翔訊型號 :**SC-323A**

PIFA Antenna

Date: 2006/08/20

Customer Approval

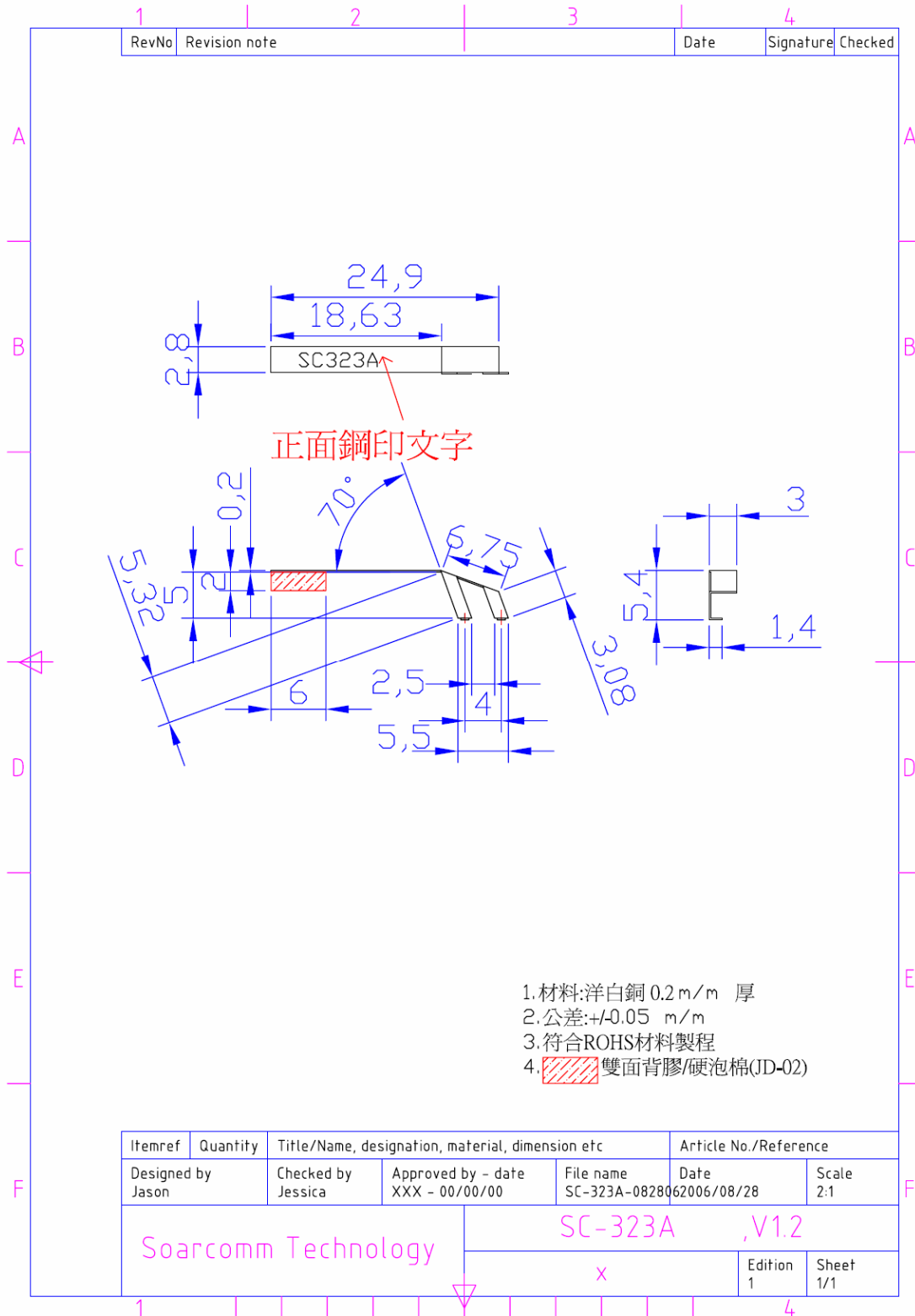
翔訊科技有限公司

Soarcomm Technology Company

Tel: 02-2625-2547 Fax:02-8631-2232

I. Outline drawing

Part No: SC-323A PIFA ANTENNA



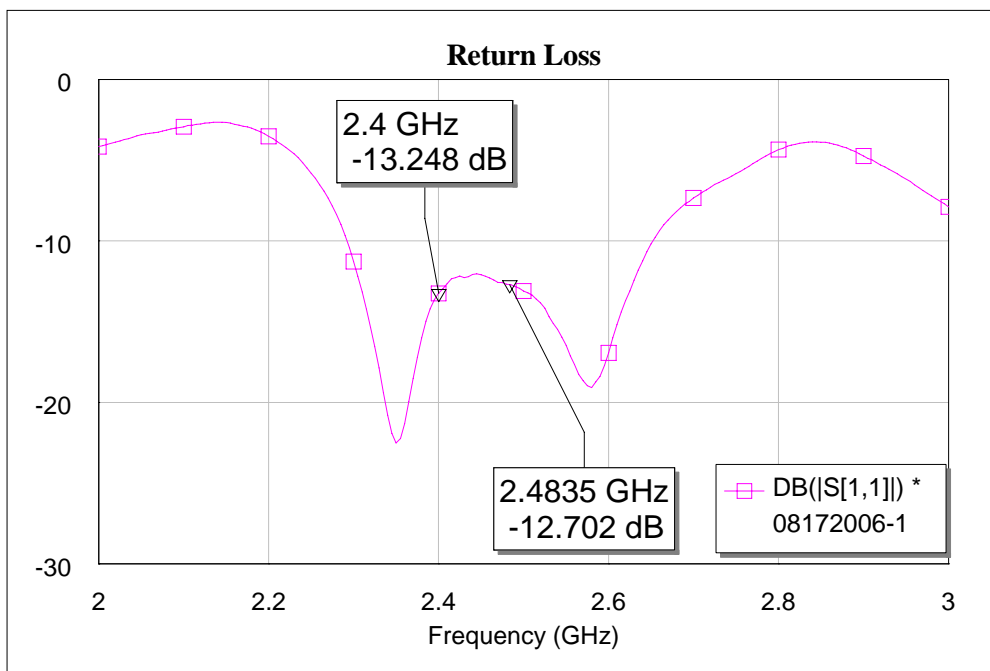
II. Electrical Properties:

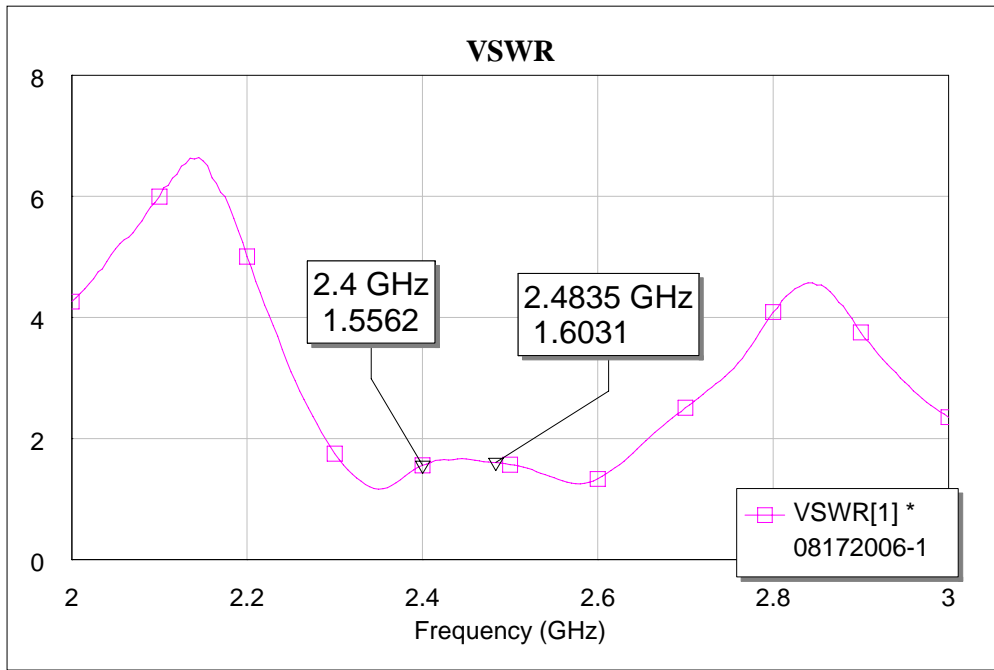
1. Frequency Range: 2.4-2.485 GHz
2. Impedance: 50 Ohms
3. V.S.W.R: 2.0(Max.)
4. Gain: 2.0(Max.)
5. Polarization: Vertical
6. Radiation: Omni
7. Electrical Length: $1/4 \lambda$ Dipole

III. Mechanical Properties:

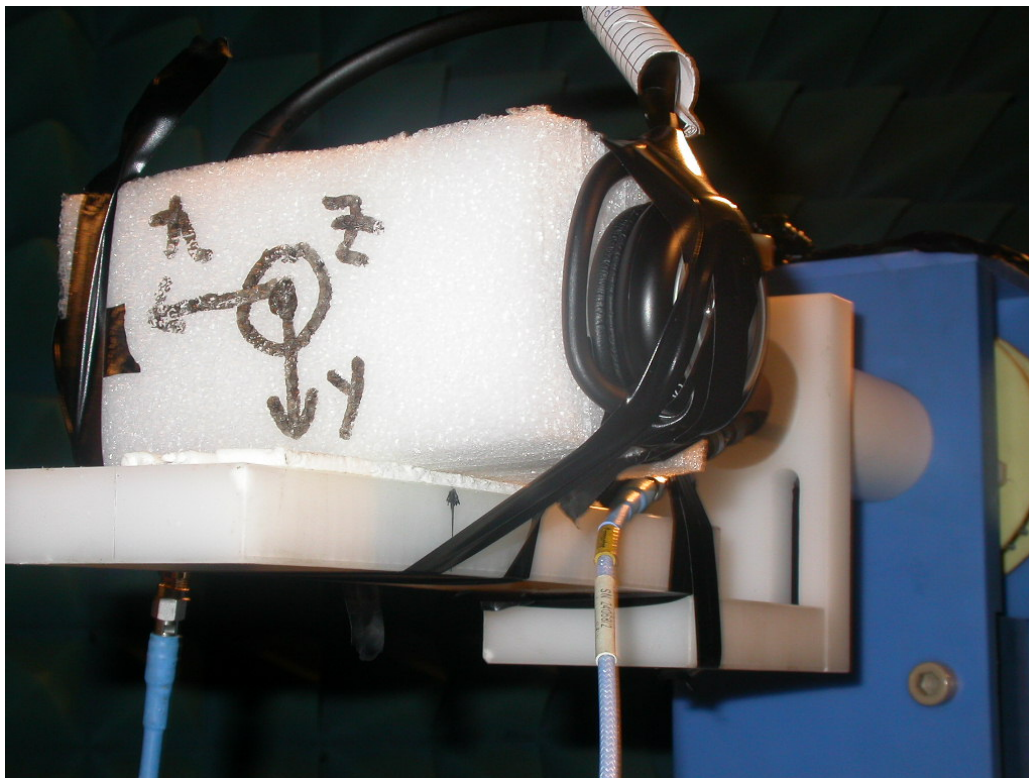
1. Operation Temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
2. Storage Temperature: $-30^{\circ}\text{C} \sim +80^{\circ}$

IV. Input Impedance Reports





V. Antenna Pattern Reports (2.4GHz, 2.45GHz, 2.48GHz)
X, Y, Z axes definition





Advance Data Technology Corporation 誠信科技股份有限公司

Hwa Ya Lab : No.19, Hwa Ya 2nd RD, Kueishan, Taoyuan, Taiwan, R.O.C.
 Taoyuan Lab : 13-1 Lane 19, Wen Shan 3rd St., Kueishan, Taoyuan, Taiwan, R.O.C.
 Hsinchu Lab : 81-1 Luliokeng, 9th Lin, Wulung Tsuen, Chunglin, Hsinchu, Taiwan, R.O.C.

Tel (03) 318-3232 Fax (03) 318-5050
 Tel (03) 327-0910 Fax (03) 327-0892
 Tel (03) 593-5343 Fax (03) 593-5342

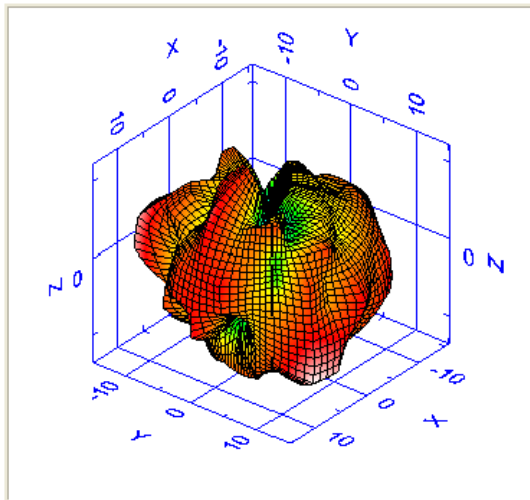
Model : BSH-191
 Remark : 2.4G
 Tested by : AARON

Location: **RF Chamber**
 Temperature (°C): **22.00**

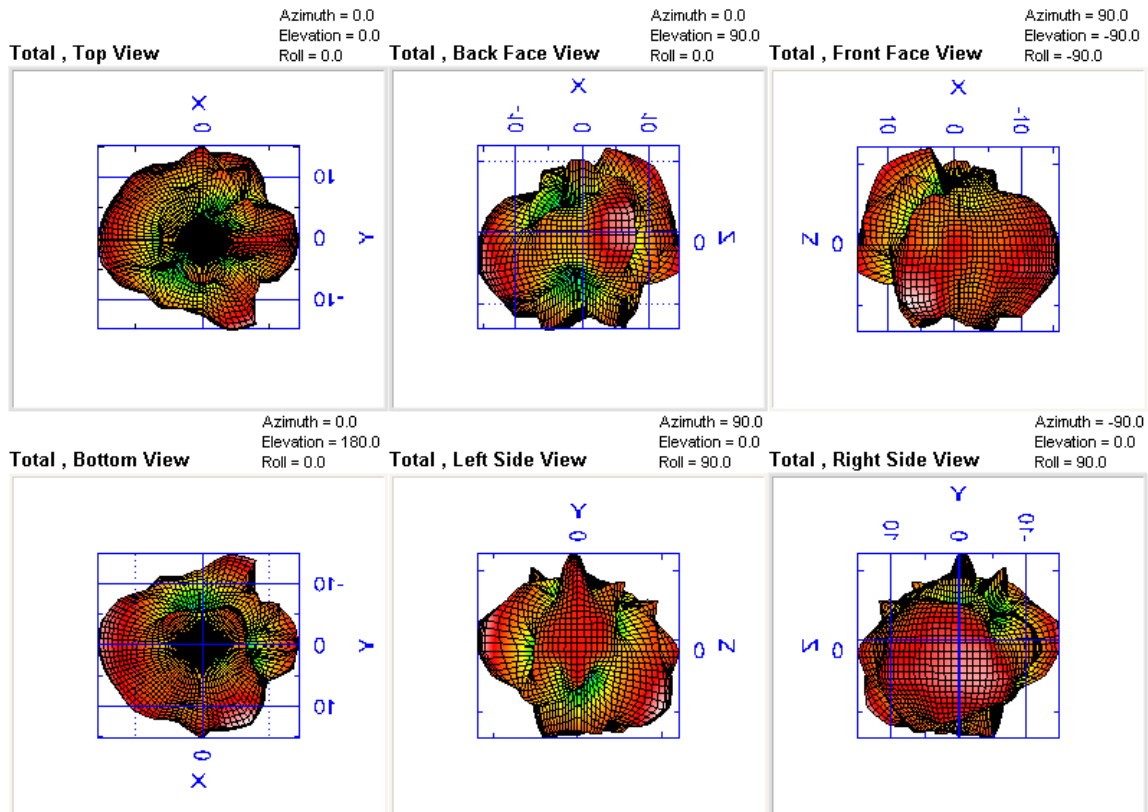
Date: **2006/8/14**
 Humidity (%): **65.00**

Time: **18:30:39**
 Approved by:

Total View



Frequency (MHz)	2400.00
TRP (dBm)	1.04
Efficiency (dB)	1.04
NHPRP +/- 45 (dBm)	0.32
NHPRP +/- 30 (dBm)	-0.5
Directivity (dBi)	4.21
Gain (dBi)	5.25
Average Gain (dB)	1.04
Peak EIRP (dBm)	5.25
Max. Power (dBm)	5.25
Min. Power (dBm)	-11.58
Avg. Power (dBm)	0.44
Max. / Min. Ratio (dB)	16.83
Max. / Avg. Ratio (dB)	4.81
Min. / Avg. Ratio (dB)	-12.02





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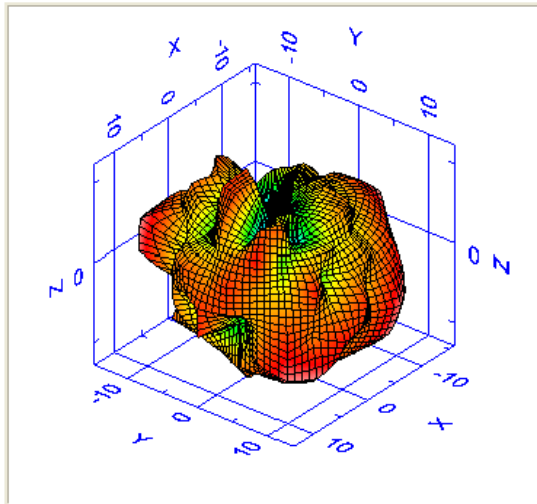
Model : BSH-191
 Remark : 2.45G
 Tested by : AARON

Location: **RF Chamber**
 Temperature (°C): **22.00**

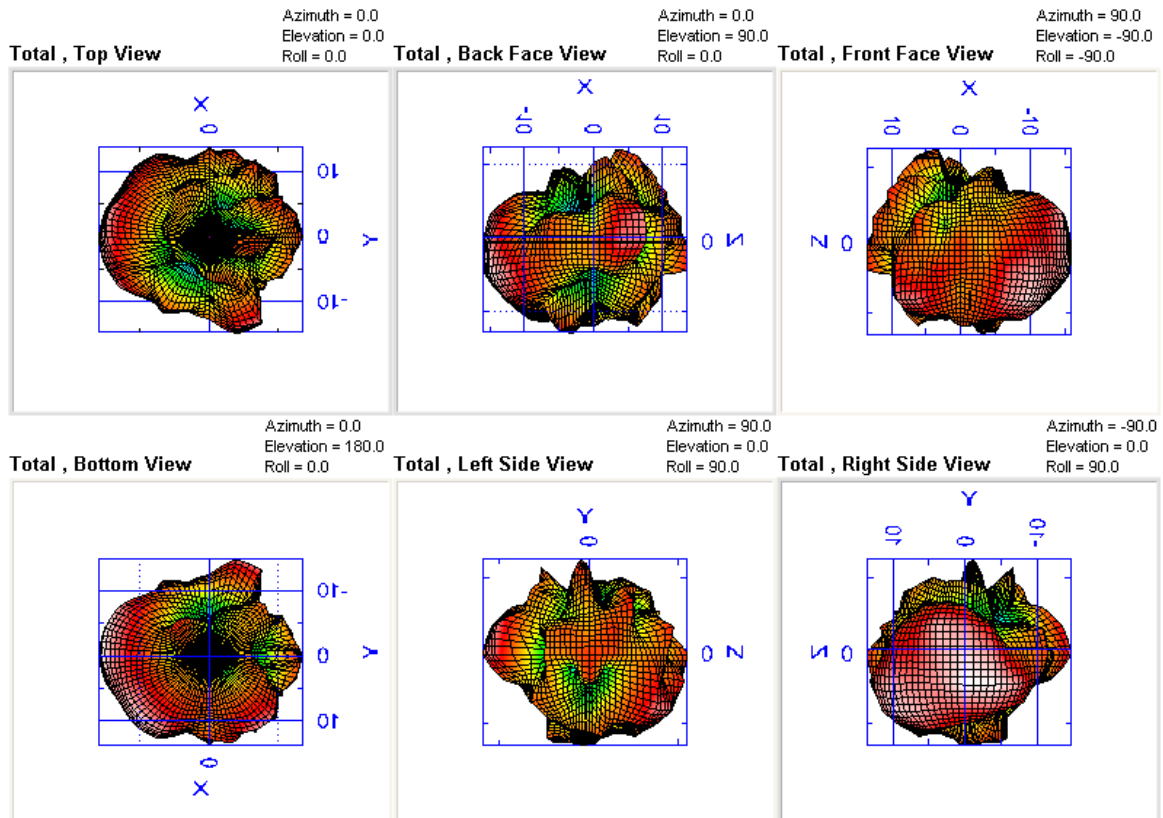
Date: **2006/8/14**
 Humidity (%): **65.00**

Time: **19:18:34**
 Approved by:

Total View



Frequency (MHz)	2450.00
TRP (dBm)	0.18
Efficiency (dB)	0.18
NHPRP +/- 45 (dBm)	-0.5
NHPRP +/- 30 (dBm)	-1.32
Directivity (dBi)	3.93
Gain (dBi)	4.11
Average Gain (dB)	0.18
Peak EIRP (dBm)	4.11
Max. Power (dBm)	4.11
Min. Power (dBm)	-12.09
Avg. Power (dBm)	-0.51
Max. / Min. Ratio (dB)	16.2
Max. / Avg. Ratio (dB)	4.62
Min. / Avg. Ratio (dB)	-11.58





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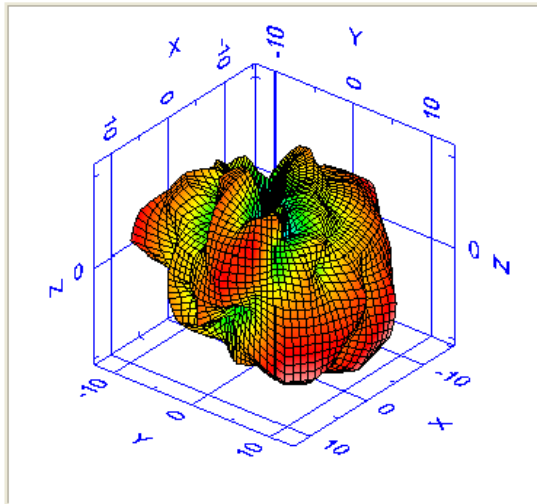
Model : BSH-191
 Remark : 2.48G
 Tested by : AARON

Location: **RF Chamber**
 Temperature (°C): **22.00**

Date: **2006/8/14**
 Humidity (%): **65.00**

Time: **19:49:21**
 Approved by:

Total View



Frequency (MHz)	2480.00	Peak EIRP (dBm)	4.42
TRP (dBm)	0.24	Max. Power (dBm)	4.42
Efficiency (dB)	0.24	Min. Power (dBm)	-10.98
NHPRP +/- 45 (dBm)	-0.39	Avg. Power (dBm)	-0.52
NHPRP +/- 30 (dBm)	-1.28	Max. / Min. Ratio (dB)	15.39
Directivity (dBi)	4.17	Max. / Avg. Ratio (dB)	4.93
Gain (dBi)	4.42	Min. / Avg. Ratio (dB)	-10.46
Average Gain (dB)	0.24		

