產 品 規 格 承 認 書

Specification For Approval

日 期： 2012/10/12

Date

編 號： R-20121012007

File No.

承認廠商： 勝傳科技股份有限公司

Customer

製造廠商： **維克摩爾科技有限公司**

Manufacturer

型號品名 **MRFW1-0000199**

Part Number

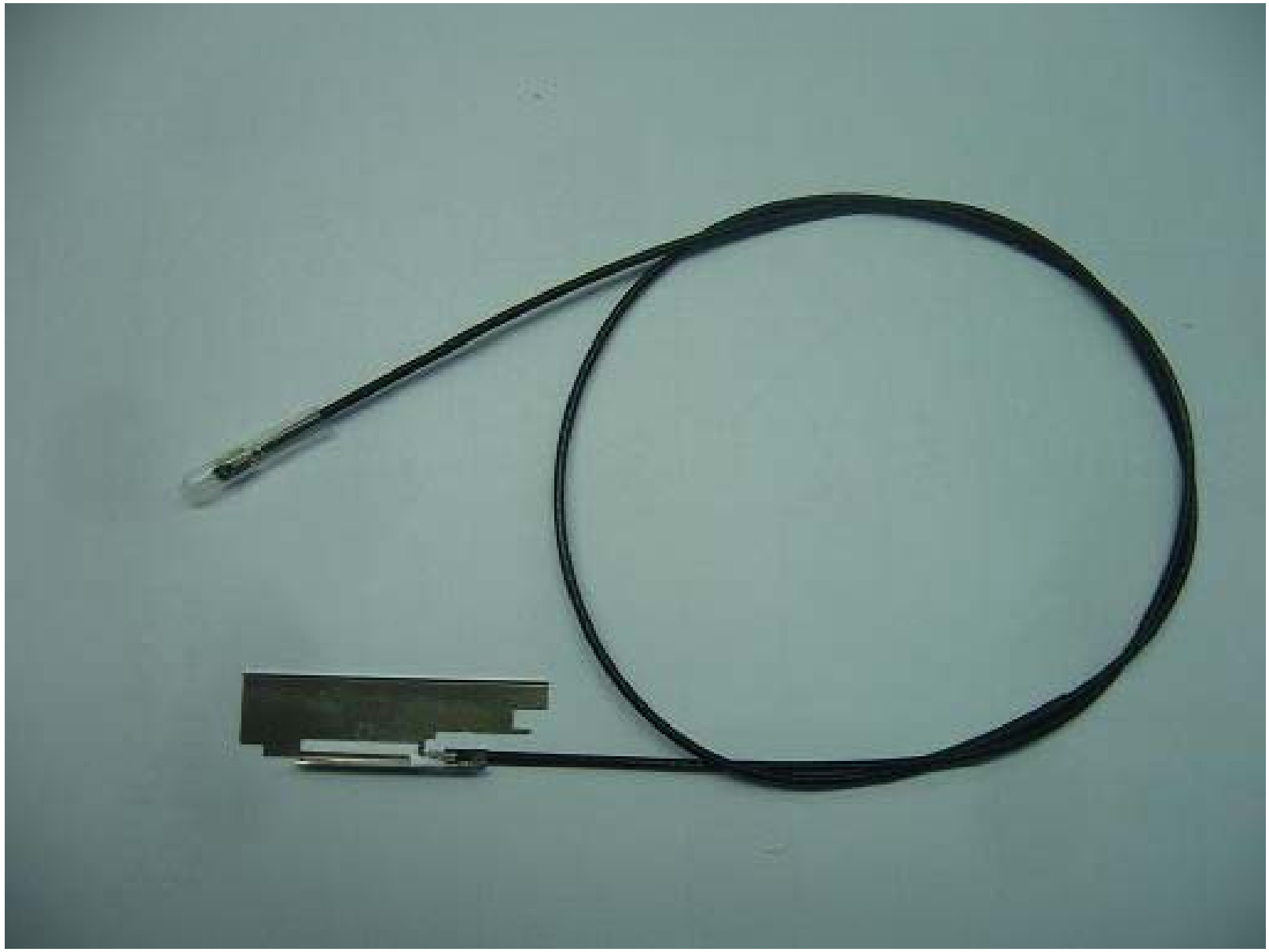
Description R-Wlan Antenna 199

廠商審核：

Approved By

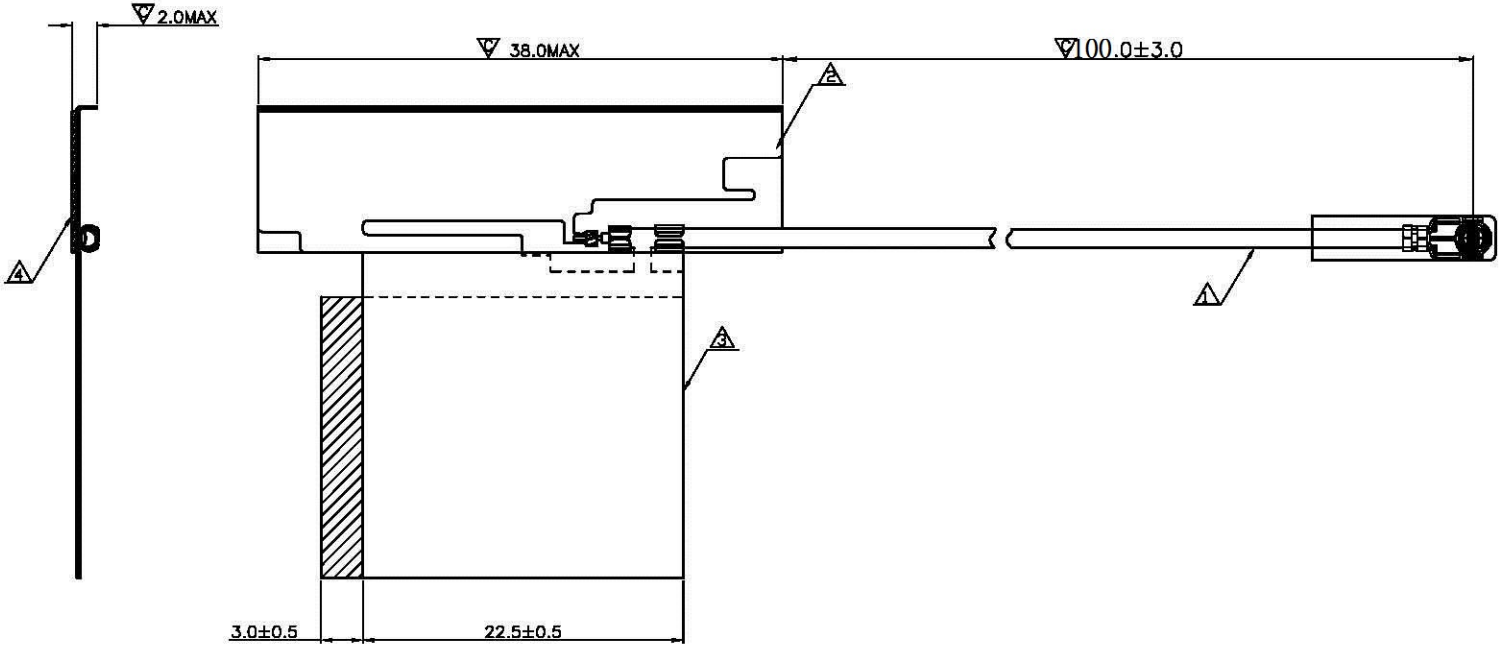
R-Wilan/Wimax antenna Spec

- Frequency: 2.3~2.7GHz/5.1~5.9GHz
- Antenna Type: IFA
- Peak Gain: >2dBi / 0.5dBi
- AVG %: >60% / 40%
- S11 Return loss: <-8dB(SWR<2.2)
- Cable: L 100 mm, Phi 1.13 mm



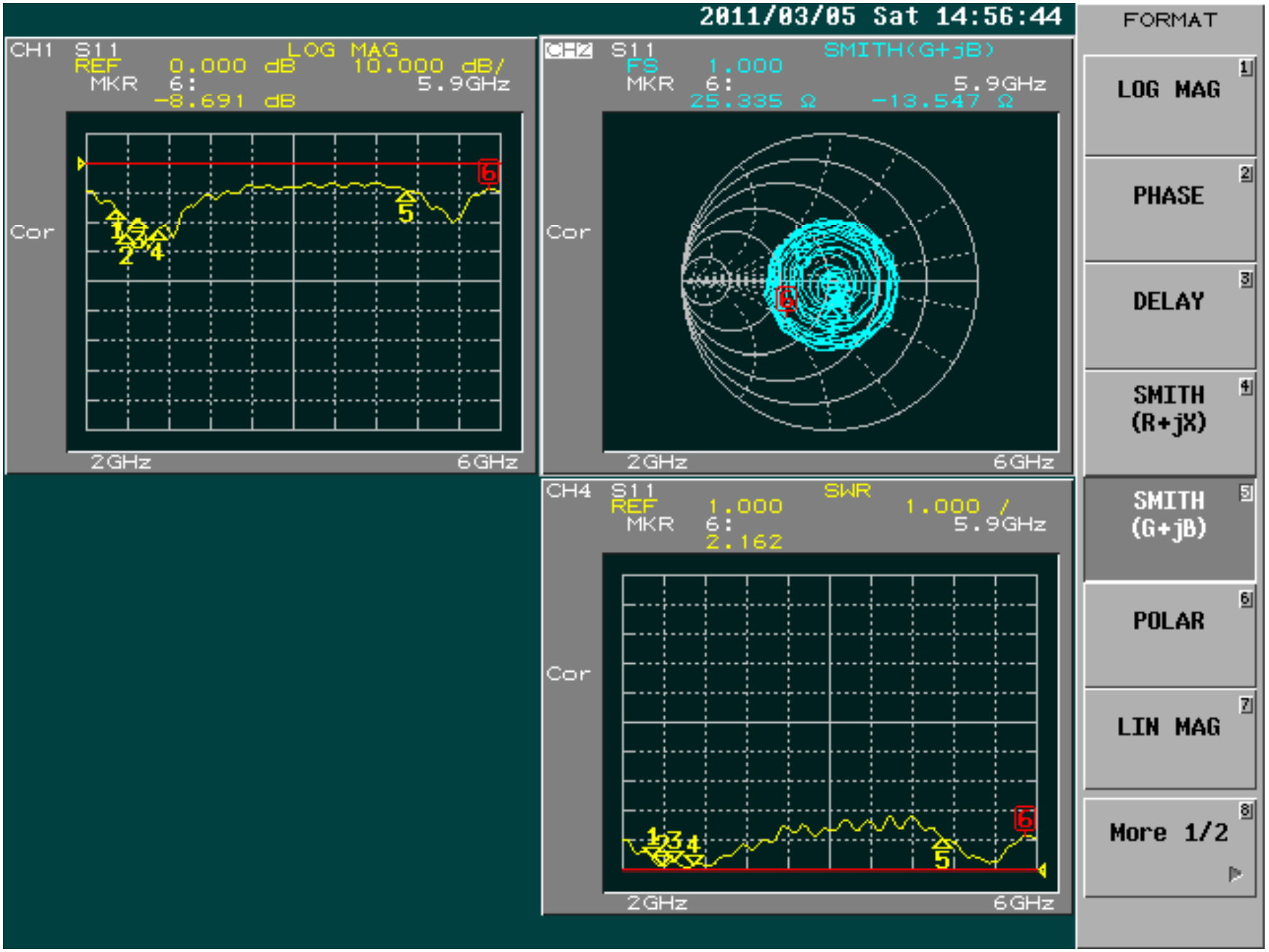
REV.	ECN. NO.	APPD.

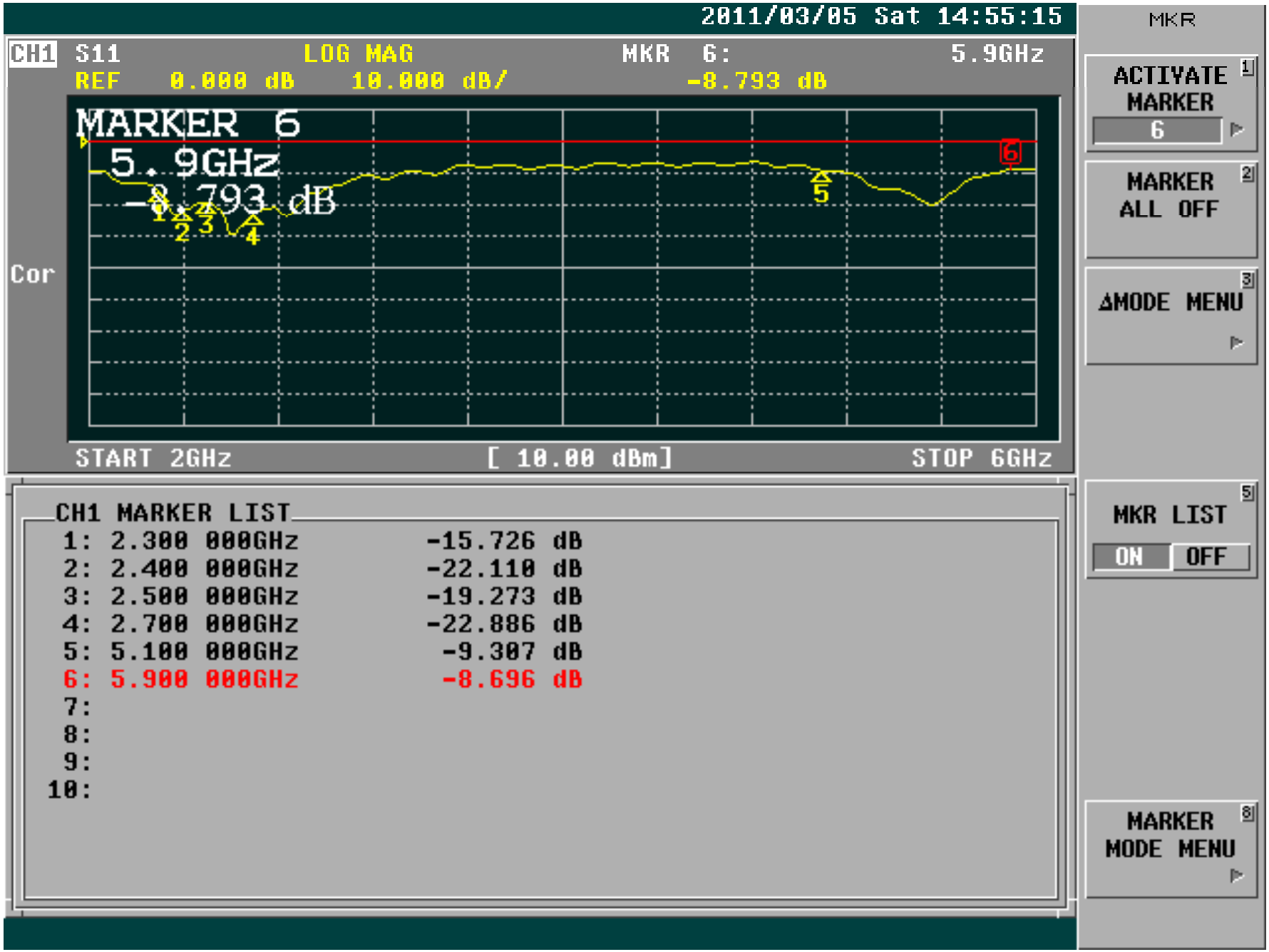
NOTES:
1. MATERIAL:SEE TABLE
2. MAKED ⊗ DIMENSIONS SHOULD BE MEASURED IN FAI.
3. MAKED ▽ DIMENSIONS SHOULD BE CONTROLLED IN QIP.
4. CRIMP FORCE:>20N.



NO	DESCRPTION	QTY	PART NO	CUSTOMER PART NO
4	DOUBLE SIDEB TAPE,L37.5xW10.5xT0.3mm	1	00000-H000031	
3	MYLAR AL FOIL,L23.0xW22.5xT0.10mm	1	00000-H000024	
2	RIGHT ANTENNA,SUS 304 1/2H	1	MRFA0-P710007	
1	RF CONN WITH ø1.37mm BLACK 裸銅線 CONTACT&SHELL 25u" MIN NICKEL PLATING	1		

UNITS: mm	CUSTOM DWG NO/REV xx	NAME: ASSY, RIGHT ANTENNA	維克摩爾科技有限公司 Vicmoore Technology
MAT'L: xx	FINISH: xx / Q'TY: xx	PART NO: MRFW1-0000199	
.X ± 0.25	.X' ± 4.0'	APPD:	DWG NO: 0W1-0000199
.XX ± 0.13	.XX' ± 3.0'	CHKD:	
.XXX ± 0.10	.XXX' ± 1.0'	DRAWN: D.T.SUN 2011/06/14	SCALE: N/A / SHEET: 1/1 / REV.: X0


2011/03/05 Sat 14:56:44
CH1 S11
LOG MAG
REF 0.000 dB
10.000 dB/
MKR 6:
5.9GHz
-8.691 dB
Cor
2GHz
6GHz
CH2 S11
SMITH(G+jB)
FS 1.000
MKR 6:
5.9GHz
25.335 Ω
-13.547 Ω
Cor
2GHz
6GHz
CH4 S11
SWR
REF 1.000
1.000 /
MKR 6:
5.9GHz
2.162
Cor
2GHz
6GHz
FORMAT
LOG MAG
PHASE
DELAY
SMITH (R+jX)
SMITH (G+jB)
POLAR
LIN MAG
More 1/2

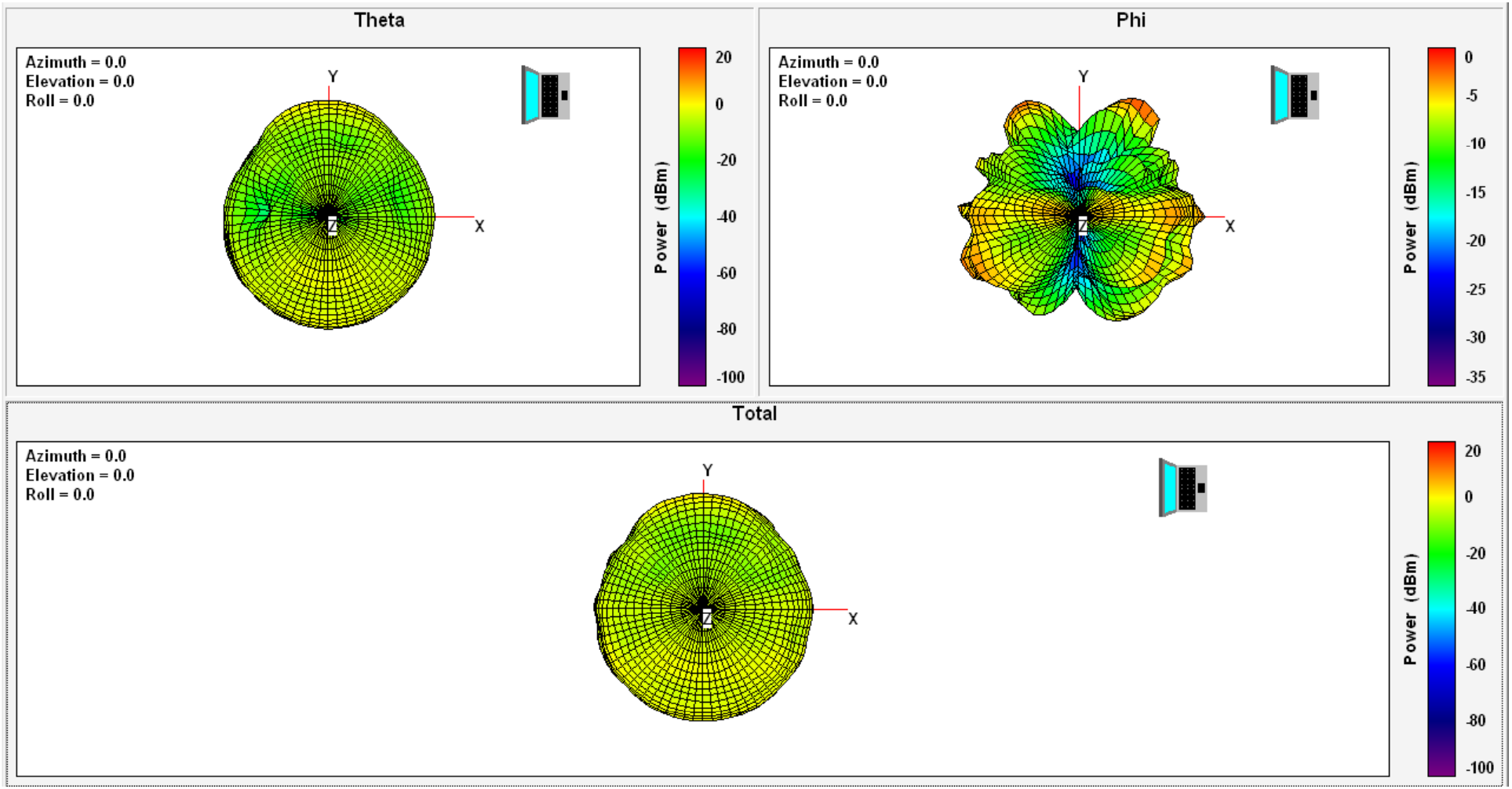

2011/03/05 Sat 14:55:15
CH1 S11 LOG MAG MKR 6: 5.9GHz
REF 0.000 dB 10.000 dB/ -8.793 dB
MARKER 6
5.9GHz
-8.793 dB
Cor
START 2GHz [10.00 dBm] STOP 6GHz
CH1 MARKER LIST
1: 2.300 000GHz -15.726 dB
2: 2.400 000GHz -22.110 dB
3: 2.500 000GHz -19.273 dB
4: 2.700 000GHz -22.886 dB
5: 5.100 000GHz -9.307 dB
6: 5.900 000GHz -8.696 dB
7:
8:
9:
10:
MKR
ACTIVATE MARKER
6
MARKER ALL OFF
ΔMODE MENU
MKR LIST
ON OFF
MARKER MODE MENU

3D Gain for

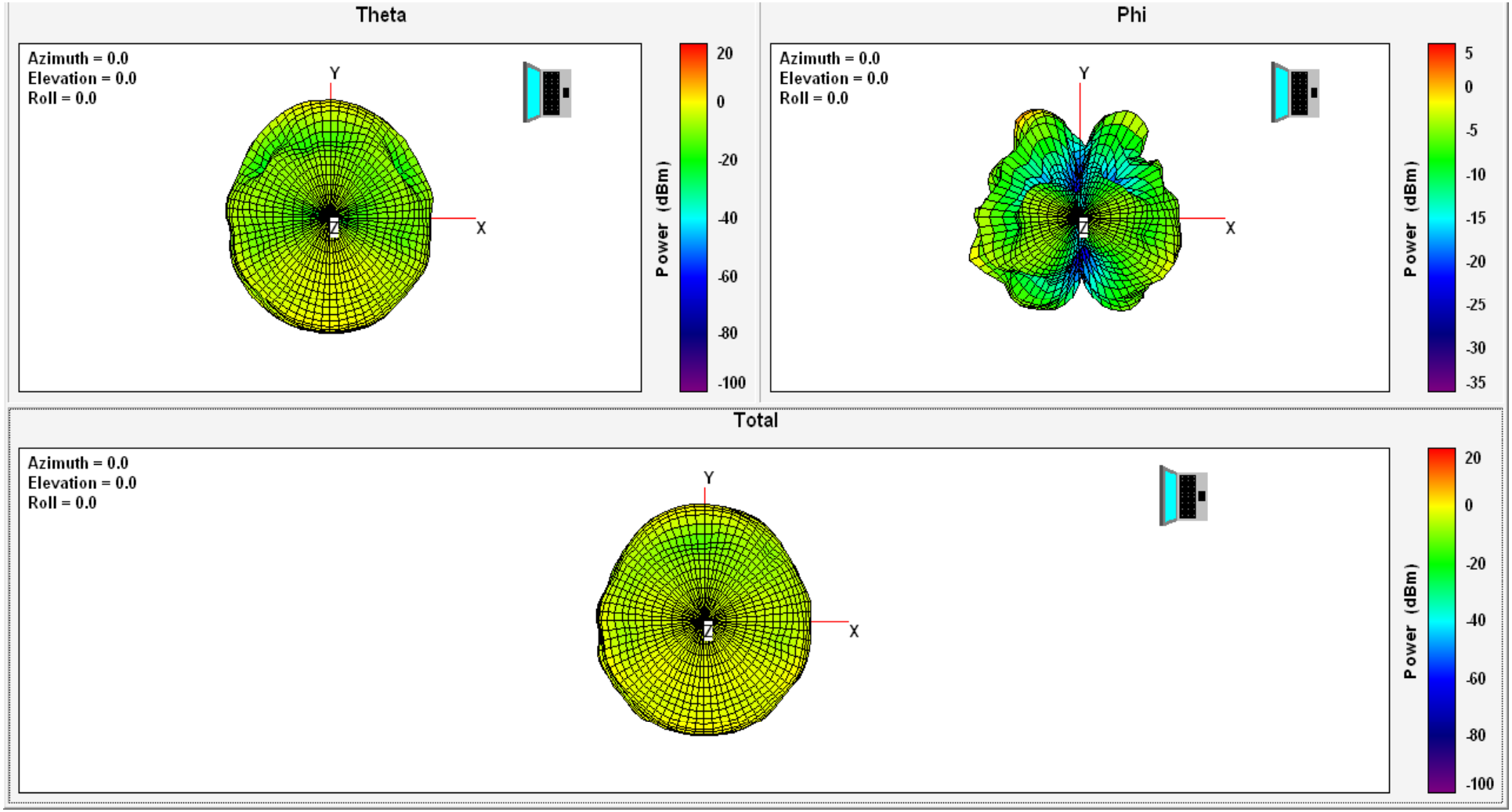
Total	Frequency (MHz)	2300	2400	2450	2500	2600	2700
	Tot. Rad. Pwr. (dBm)	-2.08495	-1.88157	-2.00627	-1.40864	-1.4486	-1.37162
	Peak EIRP (dBm)	2.44937	3.42425	2.78675	3.31387	4.14172	3.95975
	Directivity (dBi)	4.53433	5.30582	4.79302	4.72251	5.59032	5.33137
	Efficiency (dB)	-2.08495	-1.88157	-2.00627	-1.40864	-1.4486	-1.37162
	Efficiency (%)	61.8735	64.84	63.0047	72.2997	71.6374	72.9185

5150	5250	5350	5450	5550	5650	5750	5850
-2.62643	-3.18146	-2.19014	-2.24437	-2.69583	-2.24993	-3.01712	-3.71419
1.27828	0.66627	2.20741	1.84902	1.69136	2.05347	1.5414	0.967703
3.90471	3.84773	4.39755	4.09339	4.3872	4.3034	4.55852	4.68189
-2.62643	-3.18146	-2.19014	-2.24437	-2.69583	-2.24993	-3.01712	-3.71419
54.6207	48.0678	60.3929	59.6434	53.7547	59.5671	49.9216	42.5188

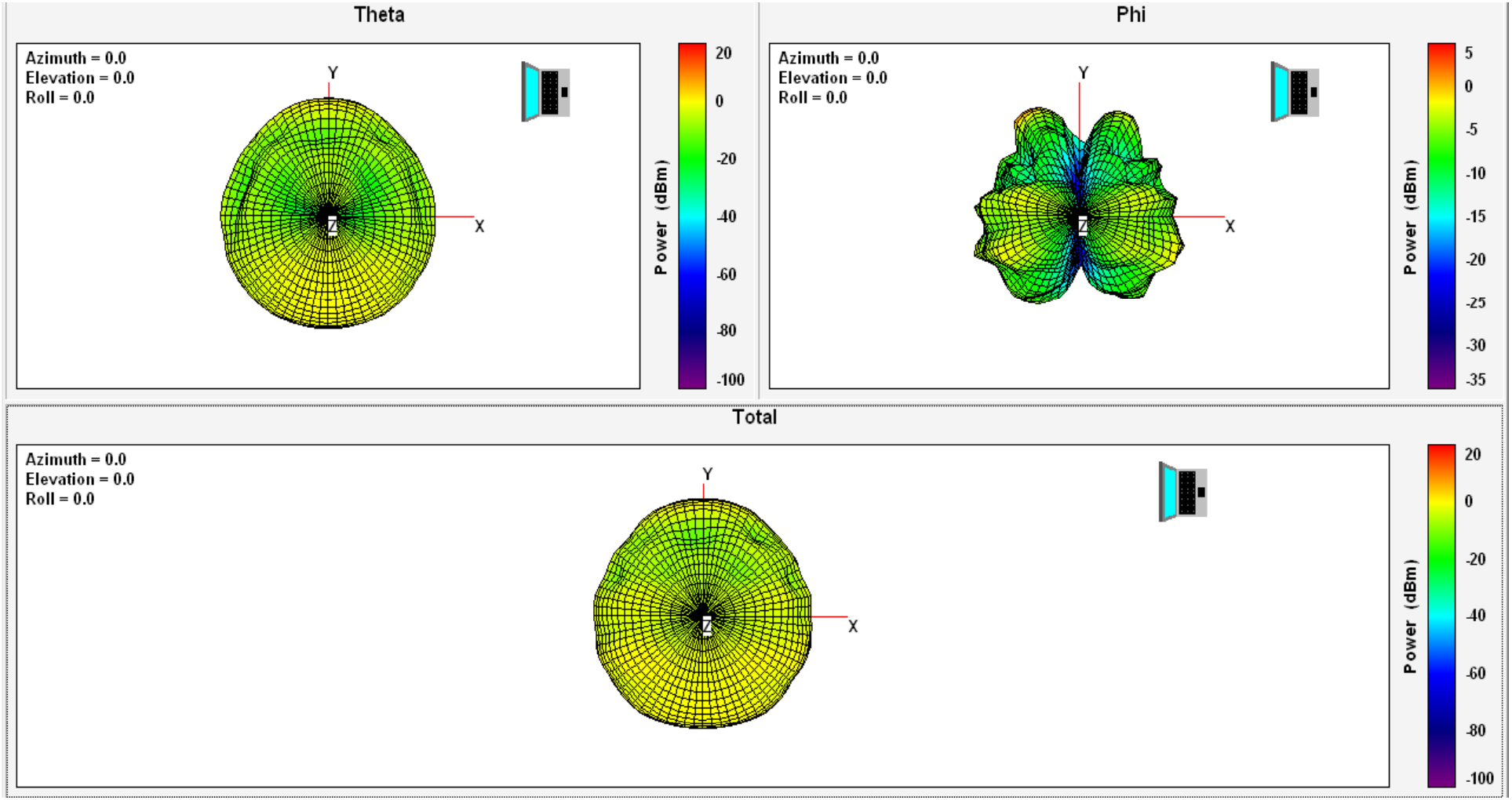
3D Pattern for 2300MHz



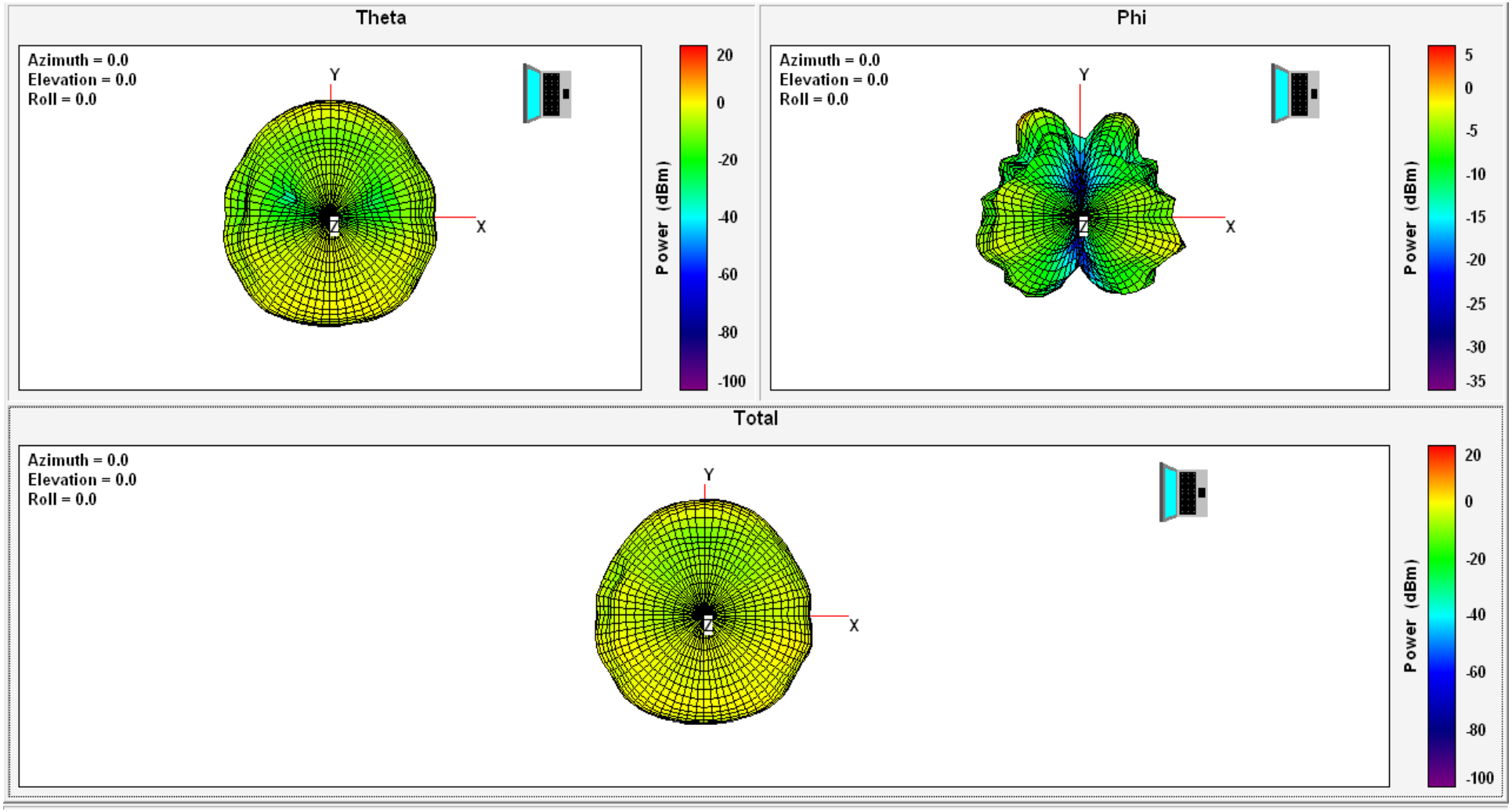
3D Pattern for 2400MHz



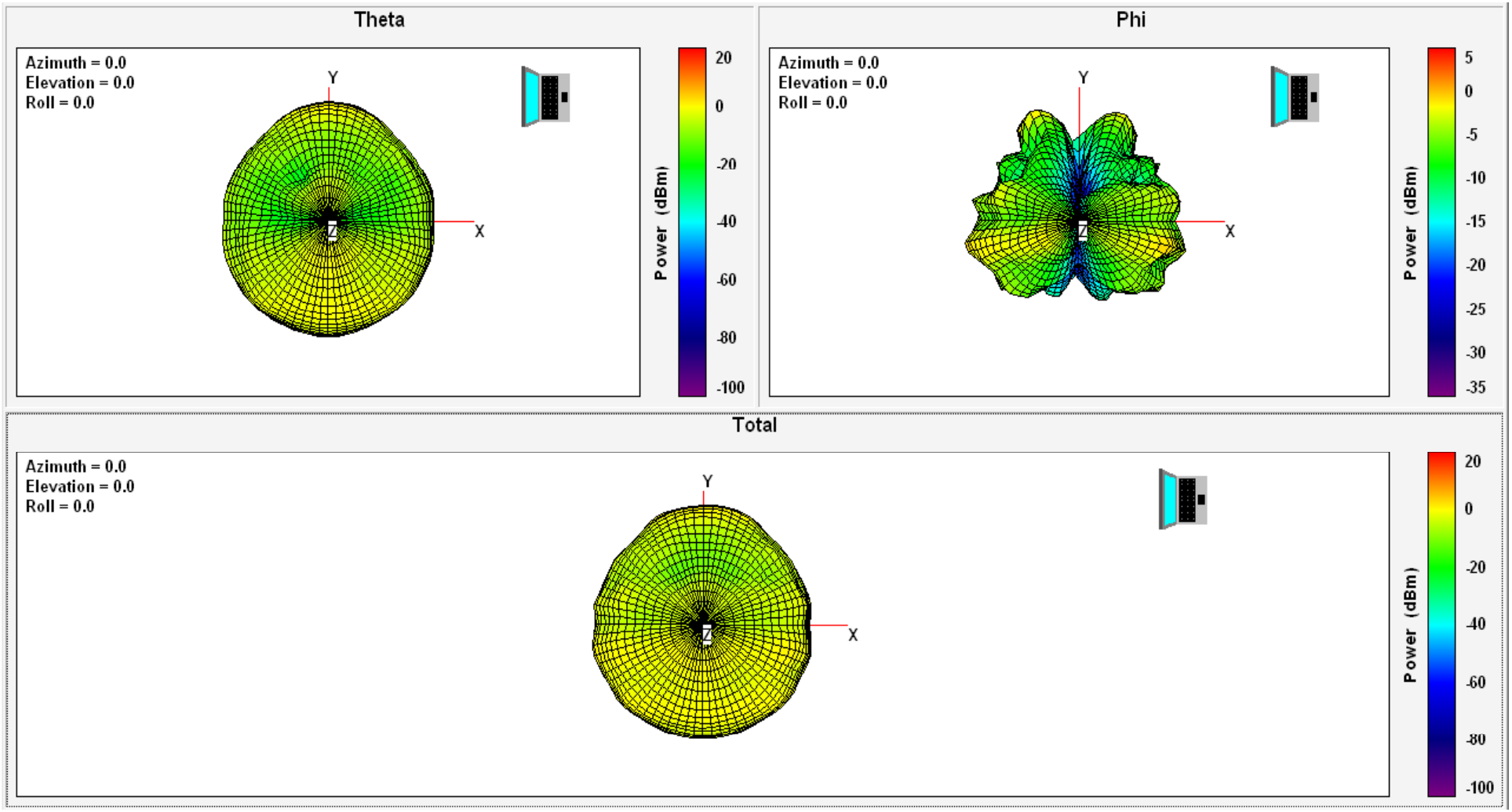
3D Pattern for 2500MHz



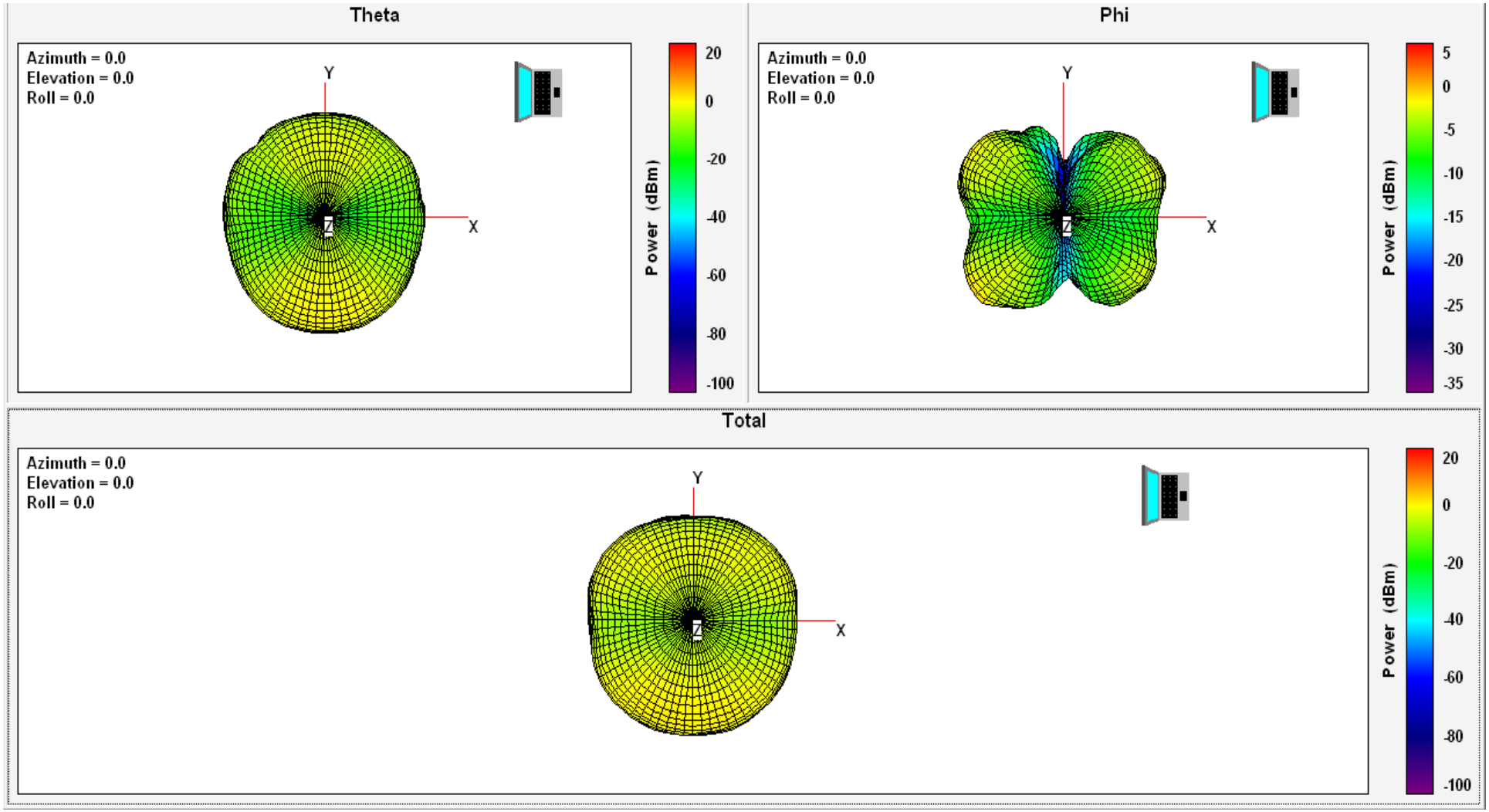
3D Pattern for 2600MHz



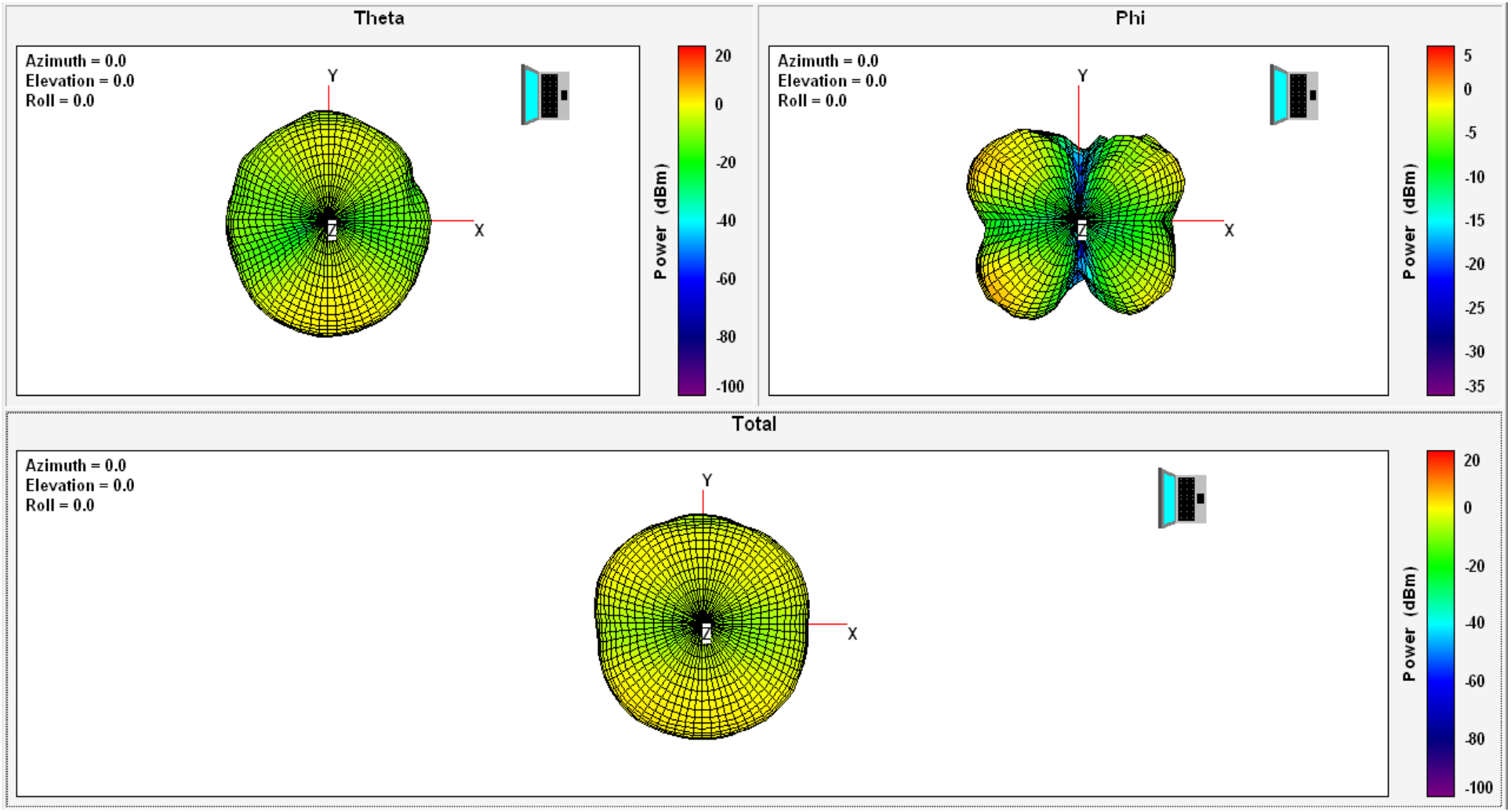
3D Pattern for 2700MHz



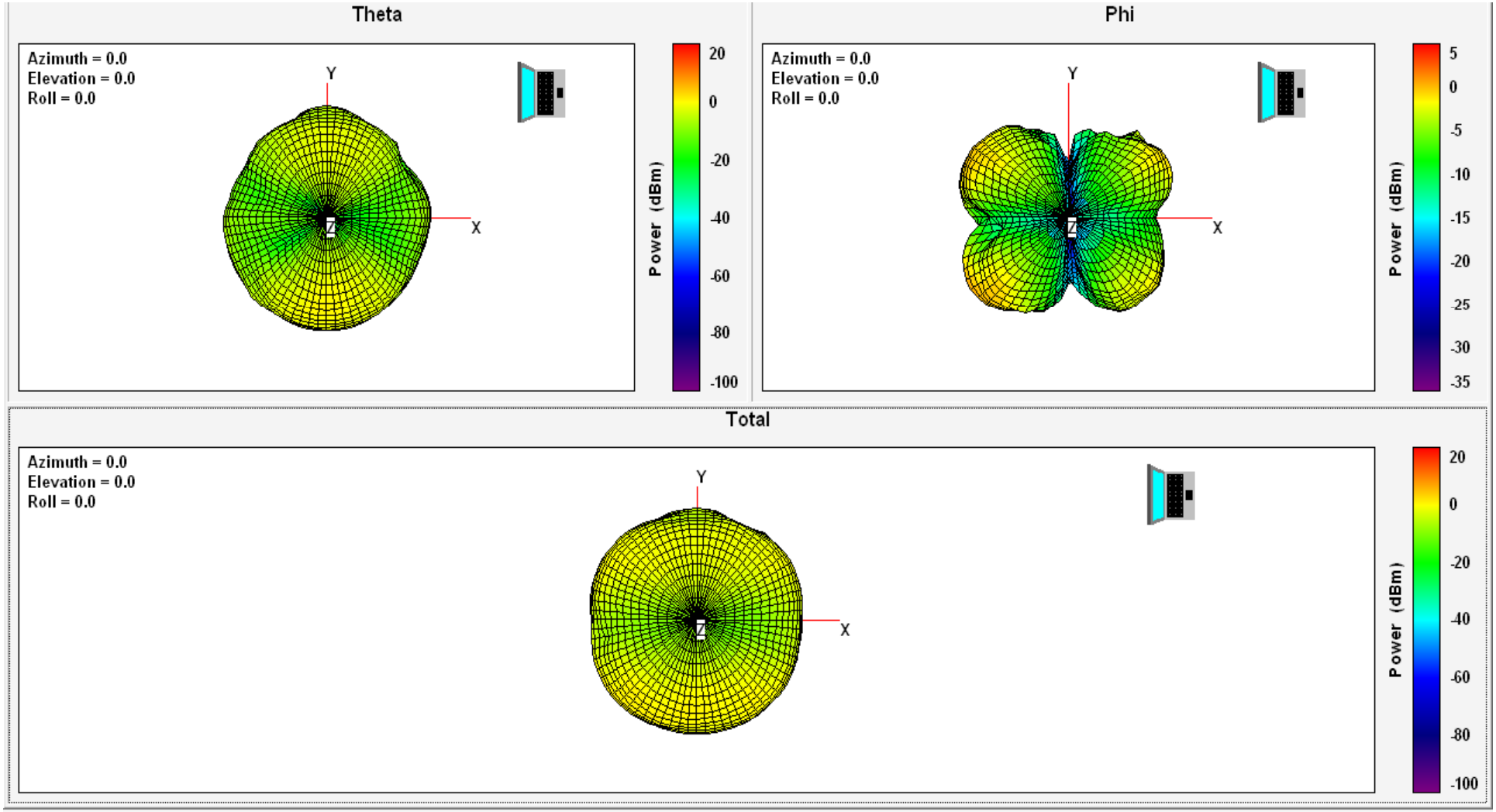
3D Pattern for 5150MHz



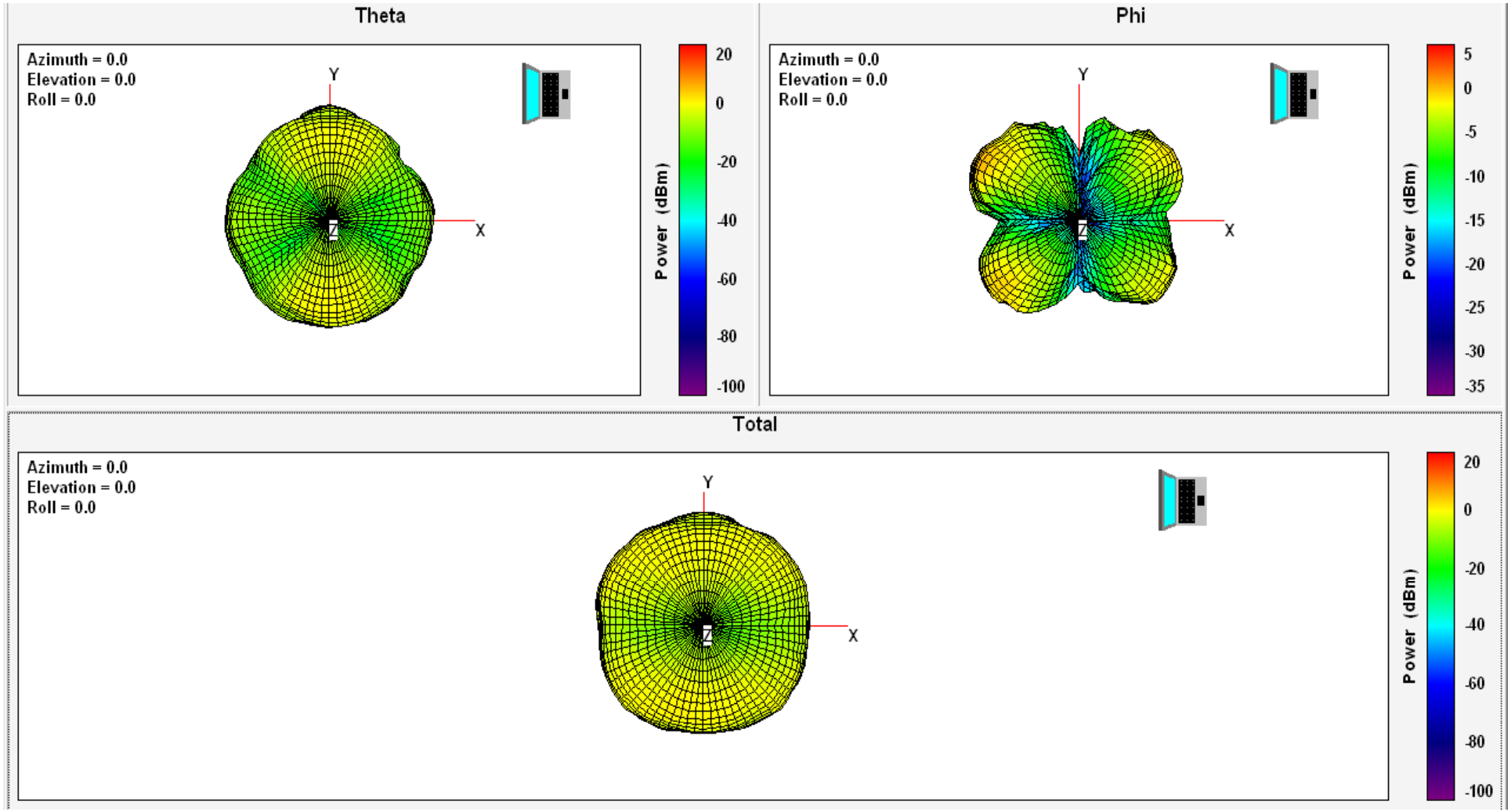
3D Pattern for 5350MHz



3D Pattern for 5550MHz



3D Pattern for 5750MHz



3D Pattern for 5850MHz