TECHNICAL DATE

2.4G Antenna Assembly

1. Electrical Specifications

1.1 Frequency Ranges ……. 2.4~2.5 GHz

&5.15~5.85 GHz

1.2 Impedance ……. 50Ω

1.3 VSWR ……. 2.0max

1.4 Return Loss …….. -10dBmax

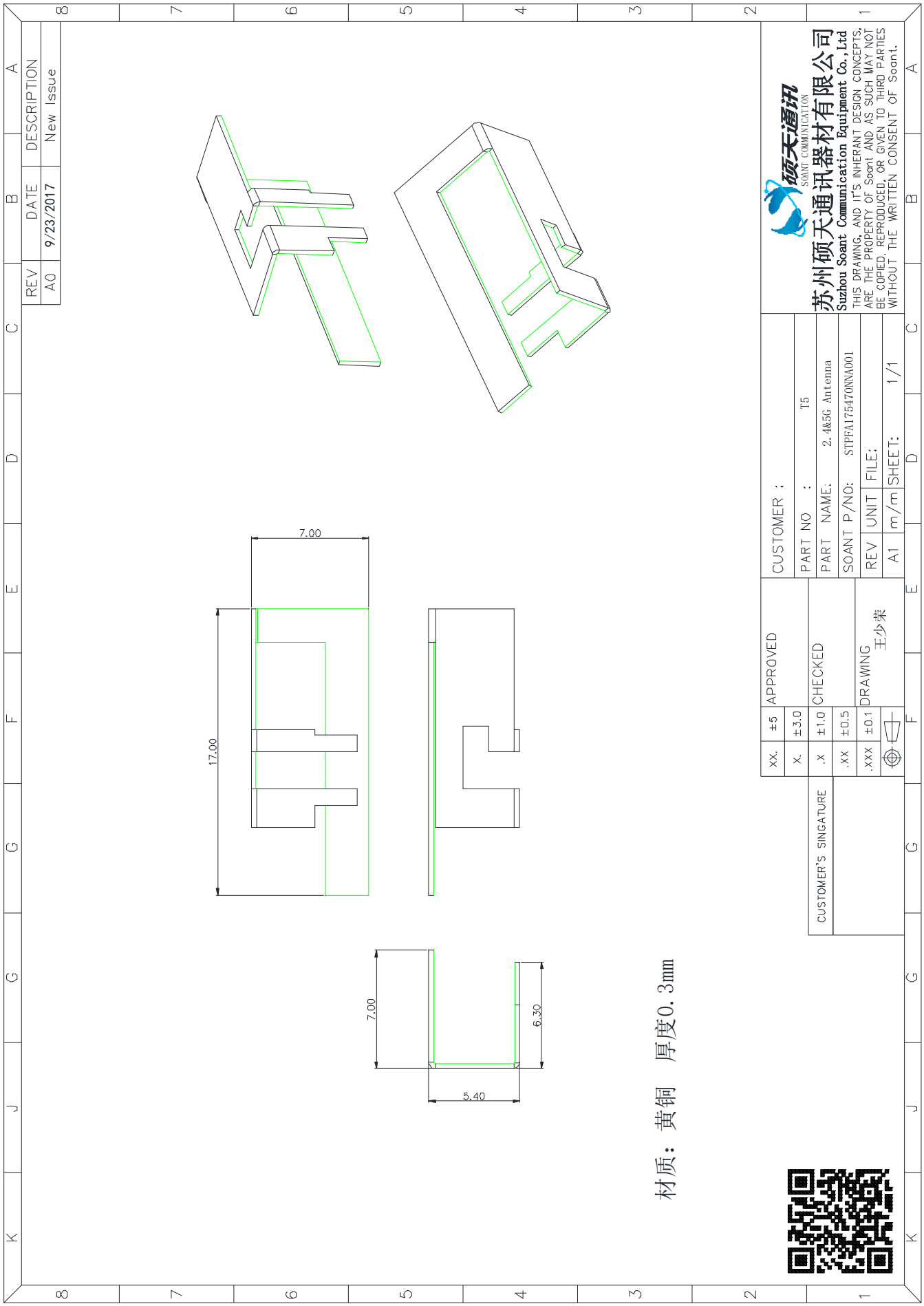
2. Physical Properties

2.1 PIFA Type ……..DIP

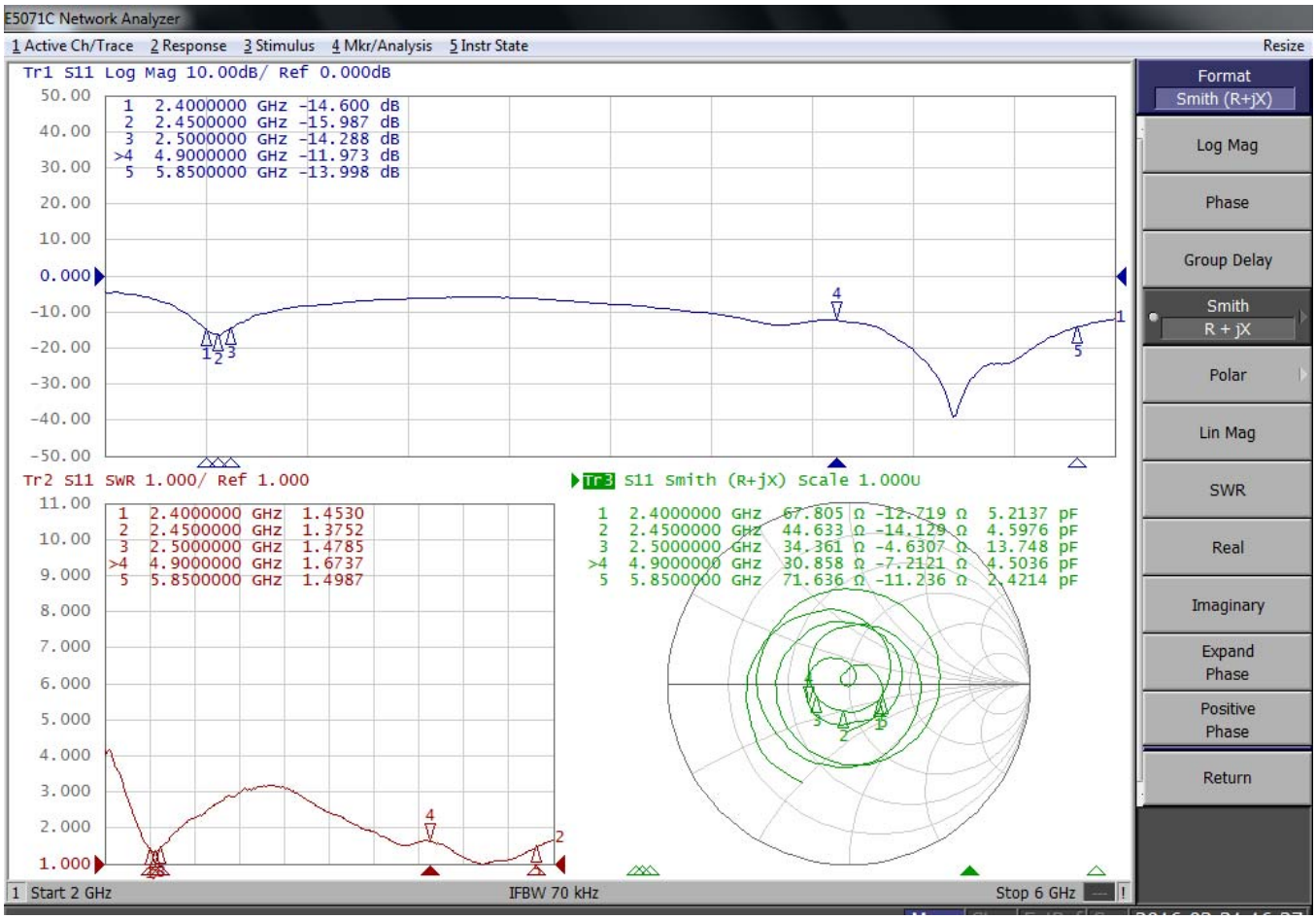
2.2 ANT Metal ……..Brass

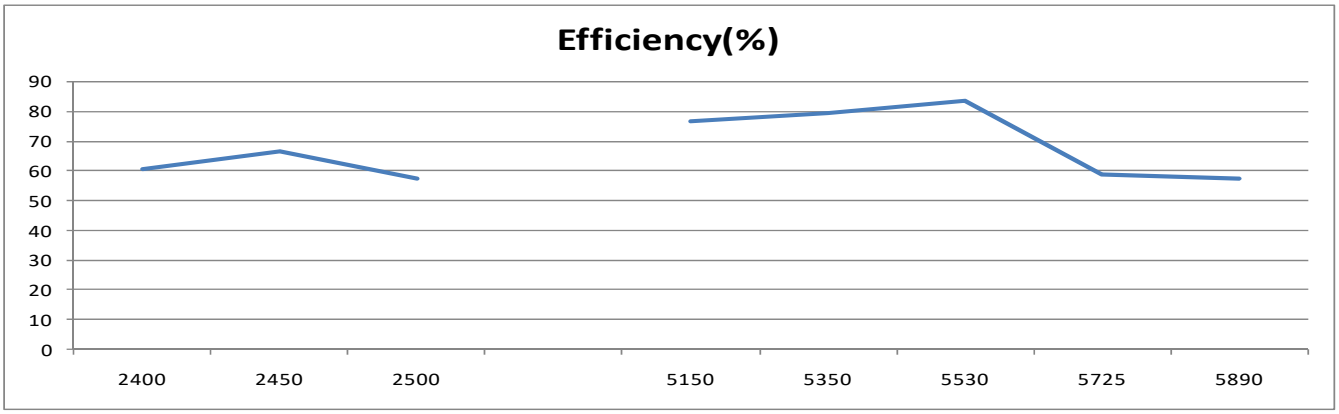
2.3 Operating Temperature ……-20℃ ~ +65℃

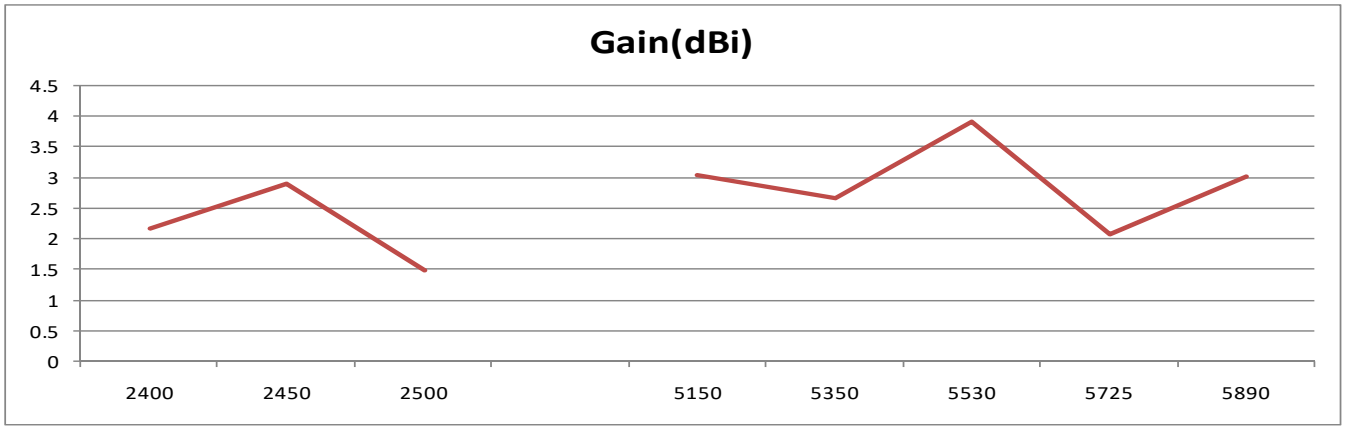
2.4 Storage Temperature …… ……. -30℃ ~ +75℃



测试报告



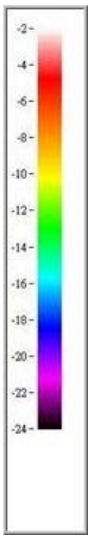


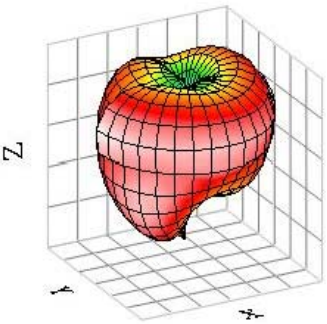


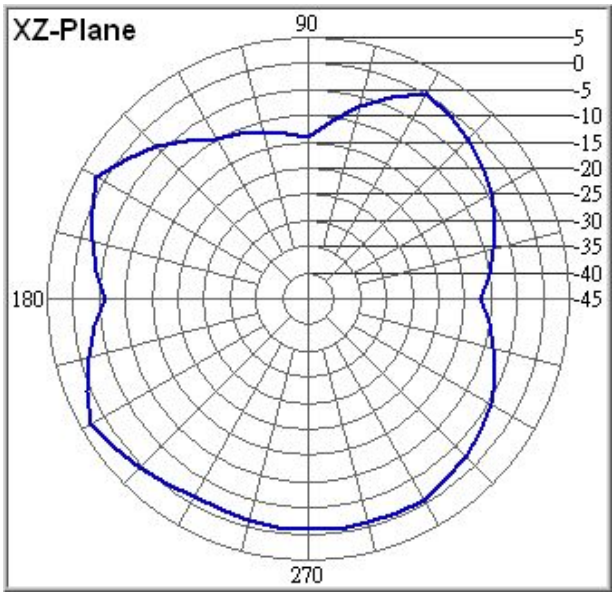
- **Gain（dBi）**

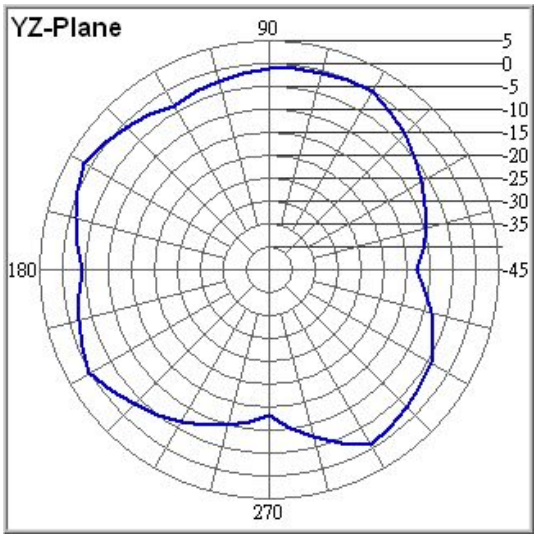
  Frequency = 2400 MHz

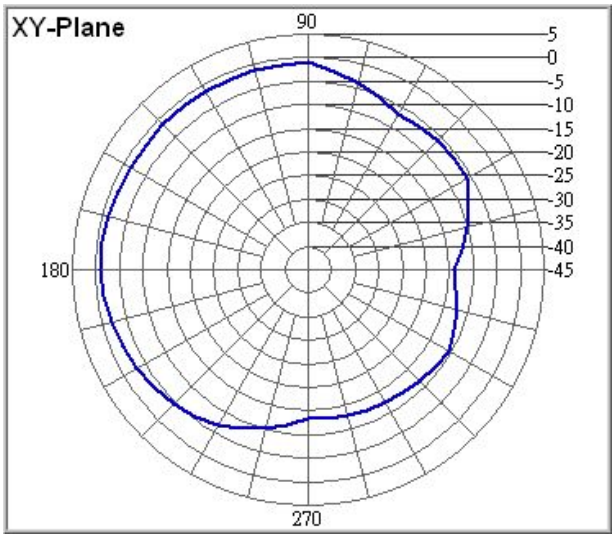
dBm	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	-0.770805	2.79881	1.215649
V-Pol. (Peak.)	-10.47874	-6.233237	-4.566043
H+V. (Peak.)	-0.743336	3.178703	1.603517
H-Pol. (Avg.)	-4.604836	-2.173149	-3.329117
V-Pol. (Avg.)	-16.13405	-10.458495	-9.849743
H+V. (Avg.)	-4.309699	-1.572176	-2.455522
Angle	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	180	210	150
V-Pol. (Peak.)	90	180	180
H+V. (Peak.)	180	210	150







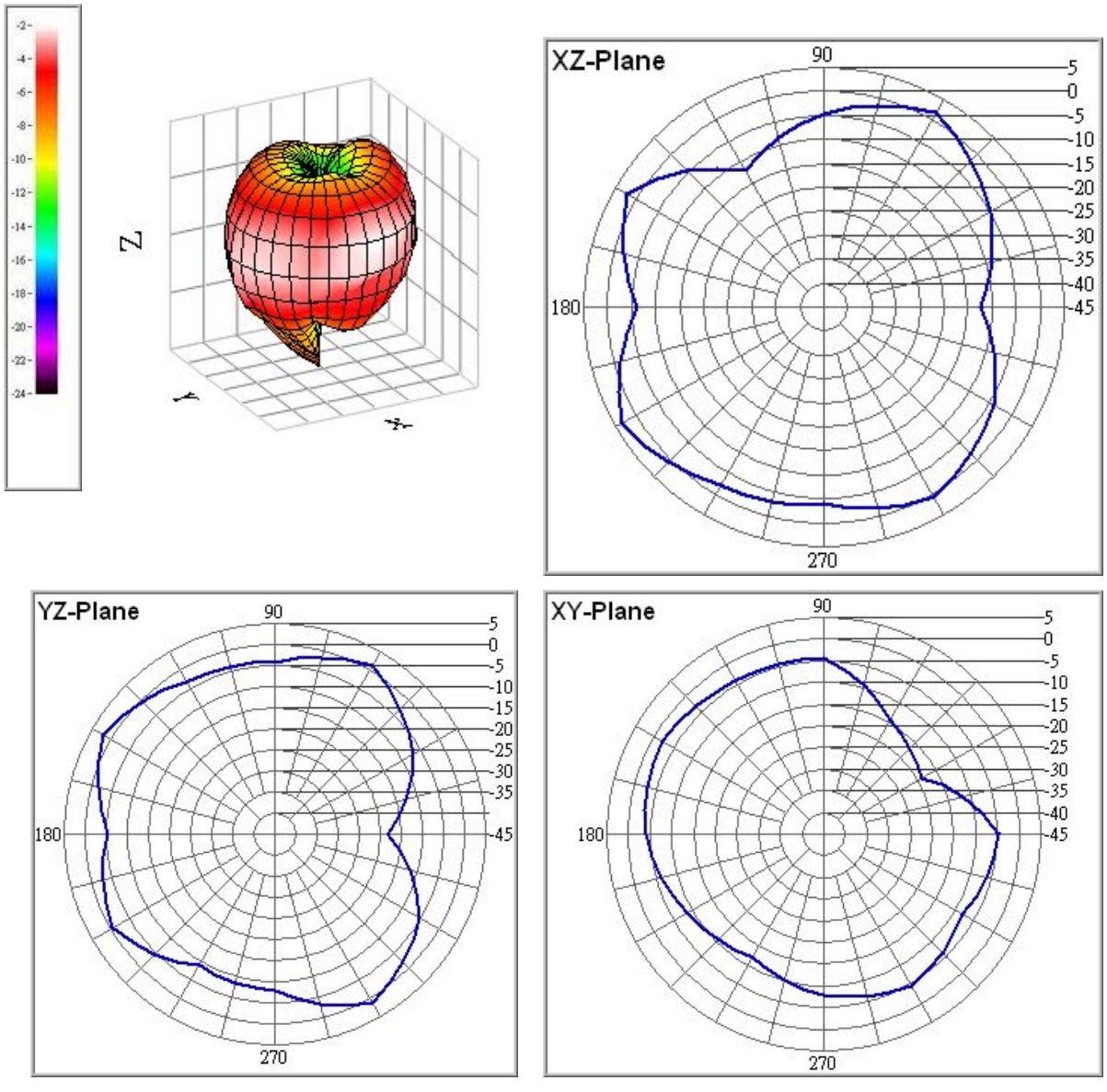




- **Gain（dBi**

Frequency = 2450 MHz

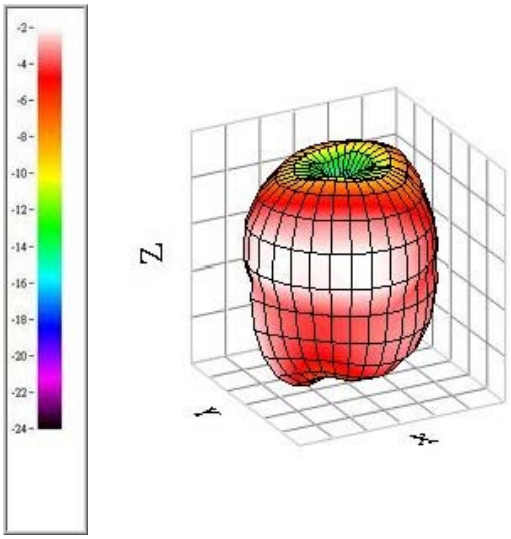
dBm	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	-2.3558	2.949207	1.14153
V-Pol. (Peak.)	-8.330786	-4.977243	-4.641073
H+V. (Peak.)	-2.11872	3.56553	2.159285
H-Pol. (Avg.)	-6.533493	-2.013853	-3.427101
V-Pol. (Avg.)	-15.295157	-8.73797	-8.531524
H+V. (Avg.)	-5.991215	-1.176633	-2.25865
Angle	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	150	210	150
V-Pol. (Peak.)	90	60	150
H+V. (Peak.)	150	210	150

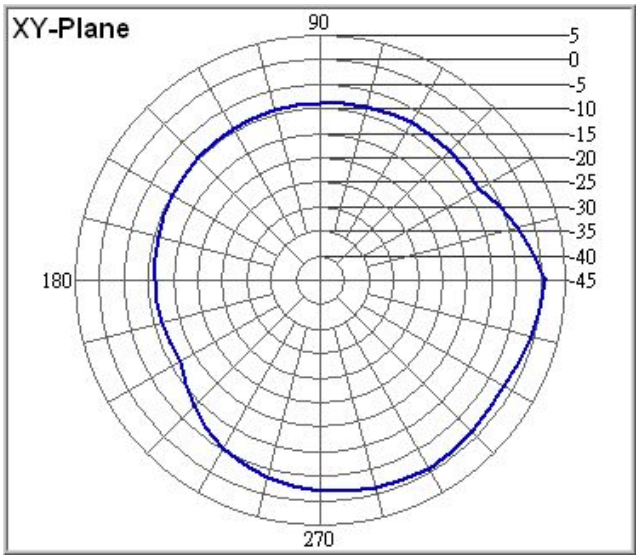


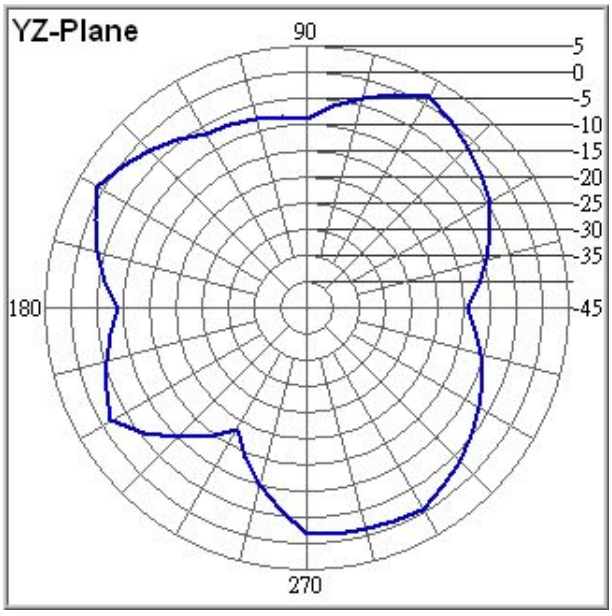
- **Gain（dBi）**

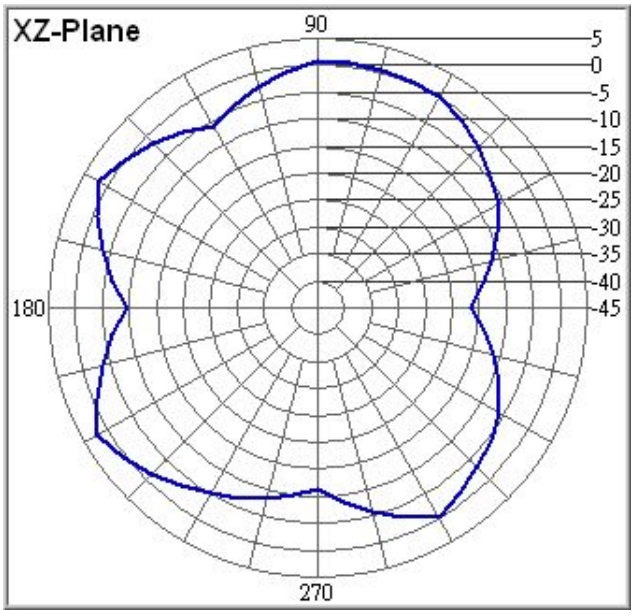
Frequency = 2500 MHz

dBm	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	0.85666	2.033017	1.375546
V-Pol. (Peak.)	-12.2741	-4.046584	-5.192489
H+V. (Peak.)	0.952032	2.485806	1.750535
H-Pol. (Avg.)	-4.528664	-2.572395	-3.782813
V-Pol. (Avg.)	-15.968826	-9.738917	-10.493951
H+V. (Avg.)	-4.227621	-1.809557	-2.943315
Angle	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	0	210	60
V-Pol. (Peak.)	240	150	150
H+V. (Peak.)	0	210	60





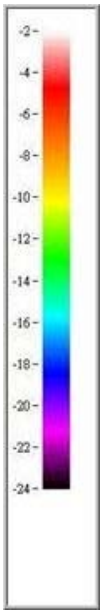


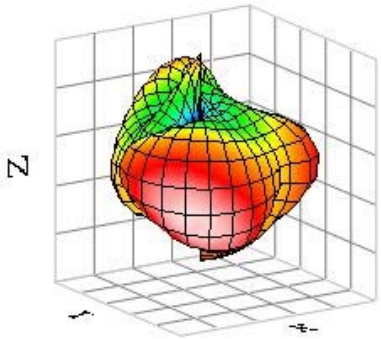


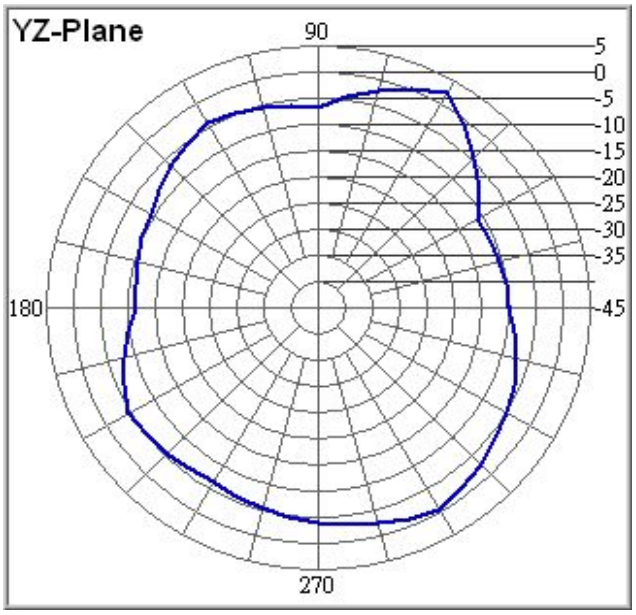
- **Gain（dBi）**

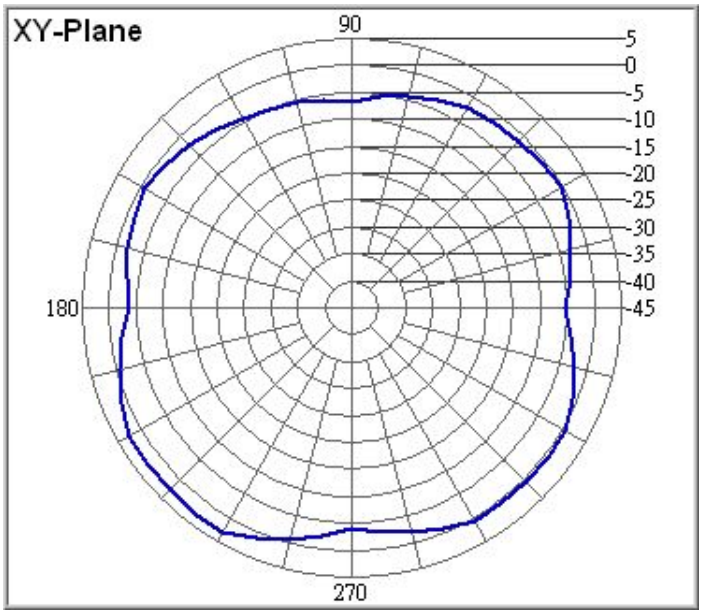
  Frequency = 5150 MHz

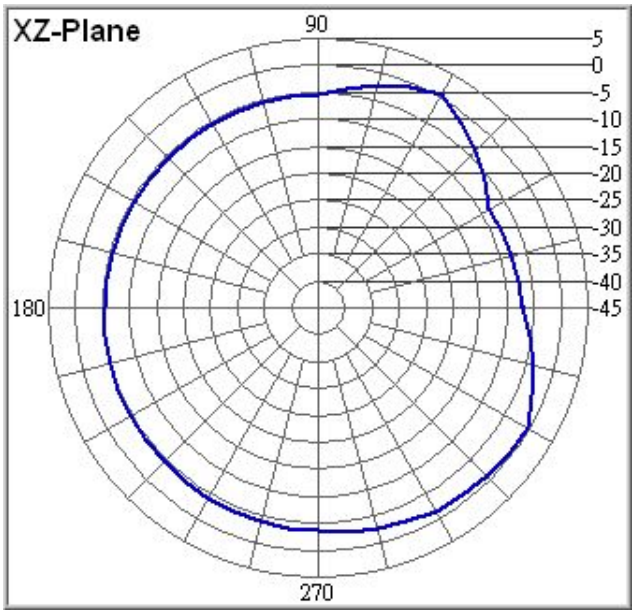
dBm	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	2.561845	2.655663	3.889432
V-Pol. (Peak.)	-9.688577	-7.766725	-8.736322
H+V. (Peak.)	2.585792	2.745374	4.029271
H-Pol. (Avg.)	-1.38243	-0.749889	-1.263008
V-Pol. (Avg.)	-12.965185	-12.07806	-11.82863
H+V. (Avg.)	-1.090791	-0.441255	-0.897563
Angle	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	0	150	150
V-Pol. (Peak.)	90	120	330
H+V. (Peak.)	0	150	150











- **Gain（dBi）**

Frequency = 5800 MHz

dBm	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	3.110633	2.569503	1.621249
V-Pol. (Peak.)	-4.828294	-6.191278	-3.234857
H+V. (Peak.)	3.757959	2.614437	2.508135
H-Pol. (Avg.)	-0.160437	-2.311785	-2.148934
V-Pol. (Avg.)	-10.861328	-10.005962	-8.140699
H+V. (Avg.)	0.194246	-1.629733	-1.174052
Angle	XY-Plane	XZ-Plane	YZ-Plane
H-Pol. (Peak.)	210	90	60
V-Pol. (Peak.)	210	150	240
H+V. (Peak.)	210	90	240