

Antenna Specification

Applicant's name : Shenzhen Huasijie Technology Development Co., Ltd.
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Community, Futian Street, Futian District, Shenzhen

EUT Description

Test Item	Antenna gain; Radiation pattern and efficiency
Antenna Type	Rob Antenna
Frequency Range	2400MHz-2500MHz 5150MHz -5850MHz

1 Test Data

1.1 Typical free space efficiency and gain

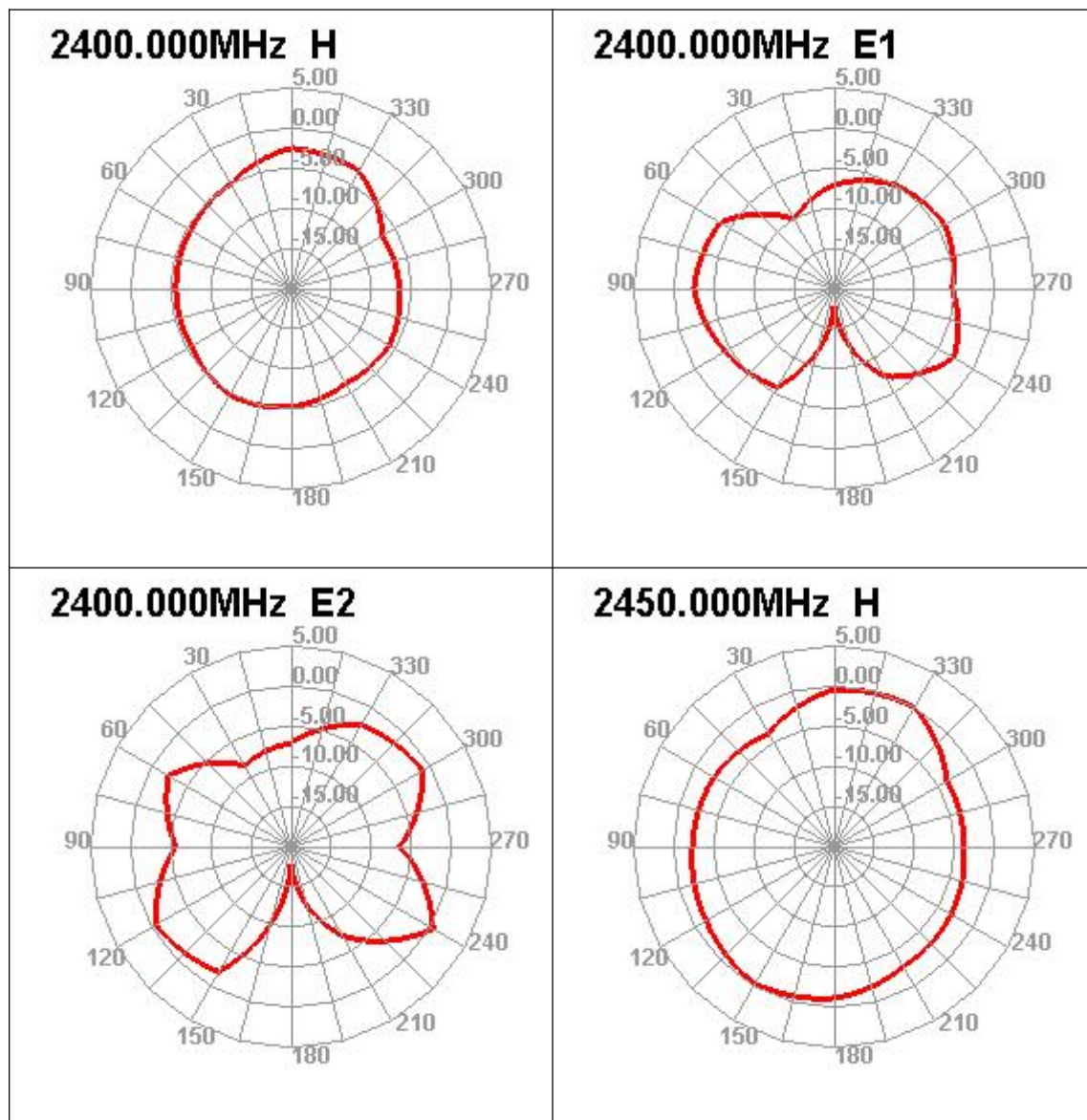
Test data For 2400MHz-2500MHz:

Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi
2400	-3.64	43.28	0.87
2410	-3.21	47.76	1.27
2420	-2.8	52.44	1.59
2430	-2.4	57.48	1.64
2440	-2.16	60.82	1.95
2450	-2.26	59.48	1.91
2460	-2.44	57	1.79
2470	-2.6	54.99	1.46
2480	-2.4	57.49	1.41
2490	-2.03	62.64	1.52
2500	-1.82	65.83	1.7

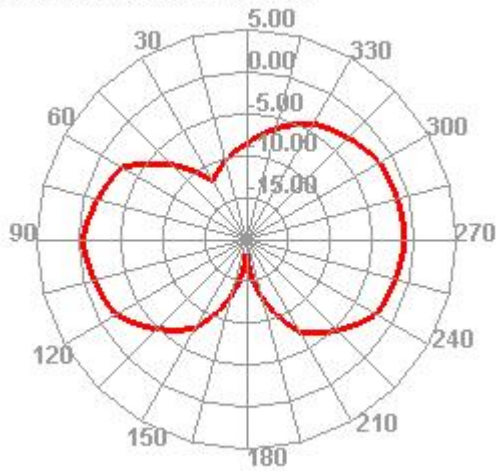
Test data For 5150MHz -5850MHz:

Frequency/MHz	Efficiency / dB	Efficiency / %	Max Gain/dBi
5000	-4.07	39.21	-0.08
5050	-3.89	40.84	0.44
5100	-3.49	44.79	0.77
5150	-3.97	40.05	0.74
5200	-4.26	37.5	0.48
5250	-4.61	34.61	0
5300	-3.95	40.3	0.67
5350	-3.34	46.39	1.5
5400	-3.4	45.76	1.47
5450	-3.95	40.24	0.55
5500	-3.8	41.65	0.44
5550	-3.55	44.12	0.89
5600	-3.05	49.57	1.42
5650	-3.16	48.31	1.59
5700	-3.78	41.9	1.31
5750	-4.05	39.37	1.62
5800	-3.84	41.31	2.1
5850	-3.45	45.15	2.65
5900	-3.54	44.27	2.85
5950	-3.33	46.42	3.04
6000	-3.27	47.1	3.11

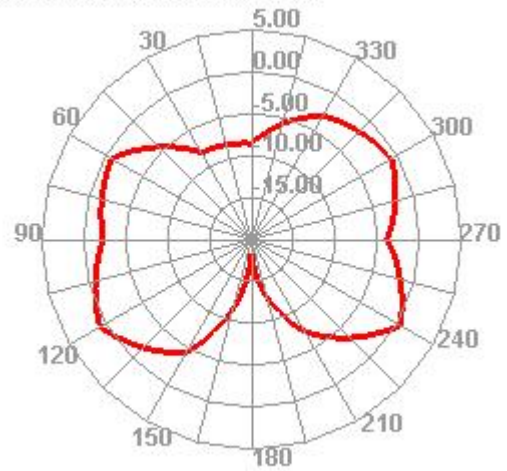
1.2 Typical free space radiation pattern



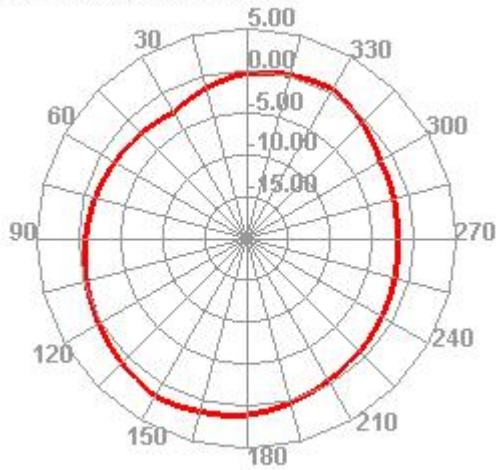
2450.000MHz E1



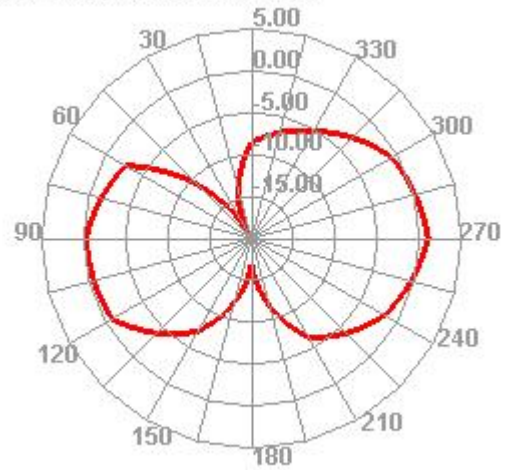
2450.000MHz E2



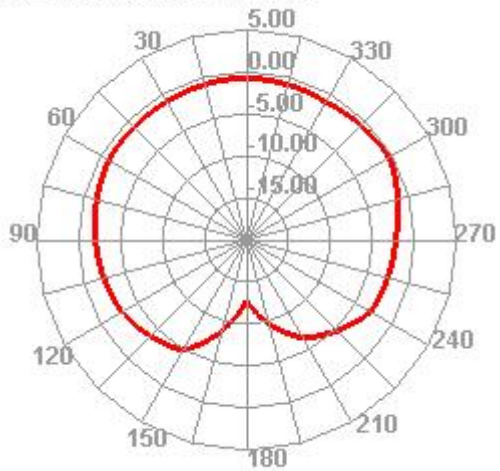
2500.000MHz H



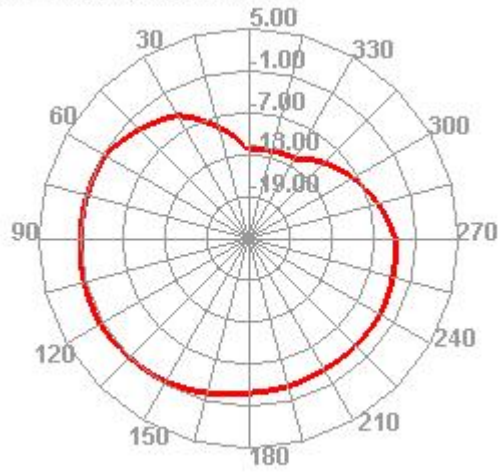
2500.000MHz E1



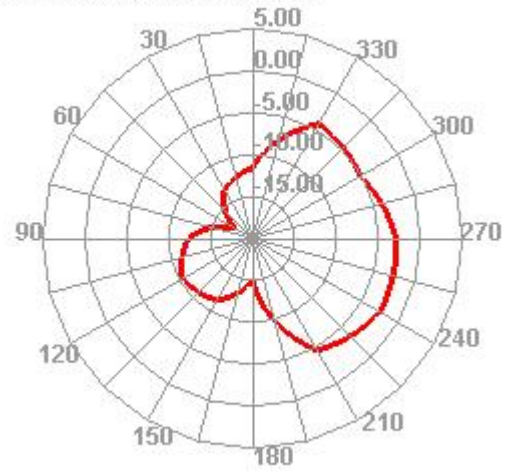
2500.000MHz E2



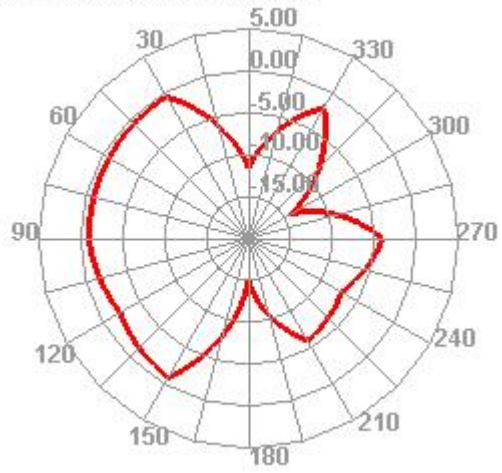
5000.000MHz H



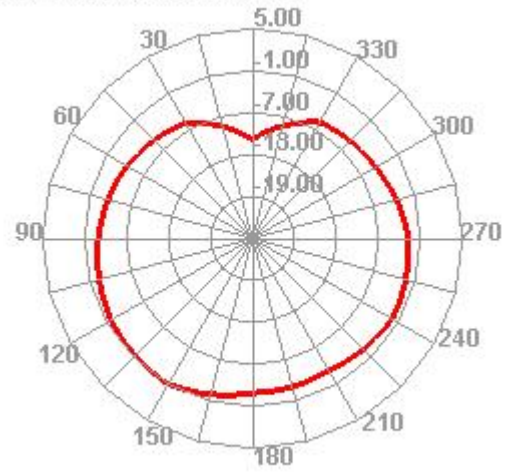
5000.000MHz E1



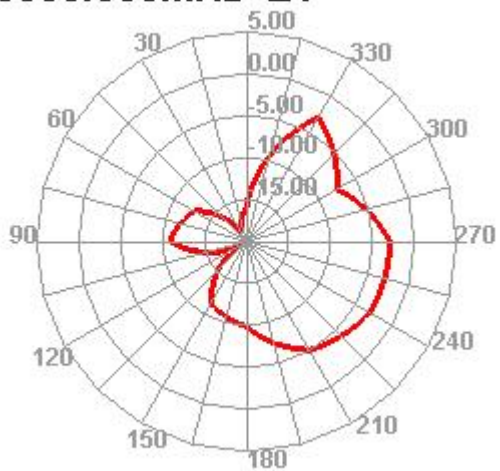
5000.000MHz E2



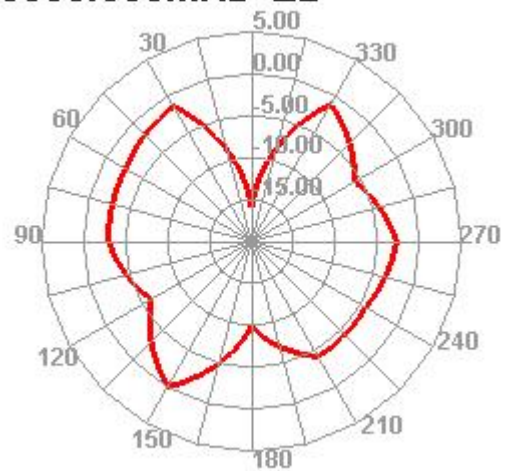
5500.000MHz H



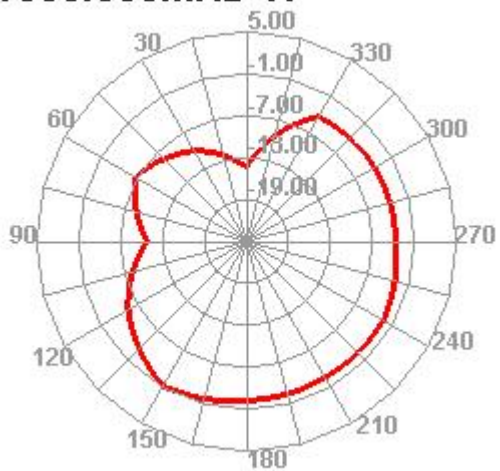
5500.000MHz E1



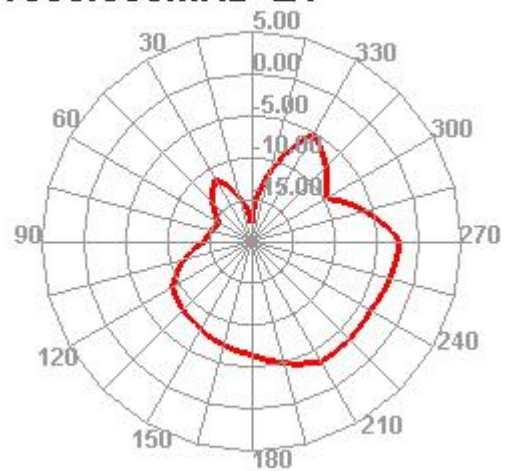
5500.000MHz E2



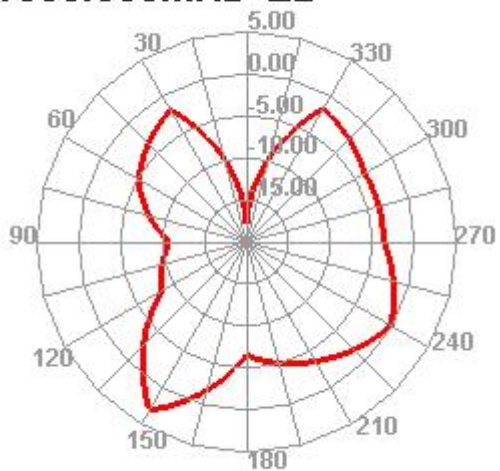
6000.000MHz H



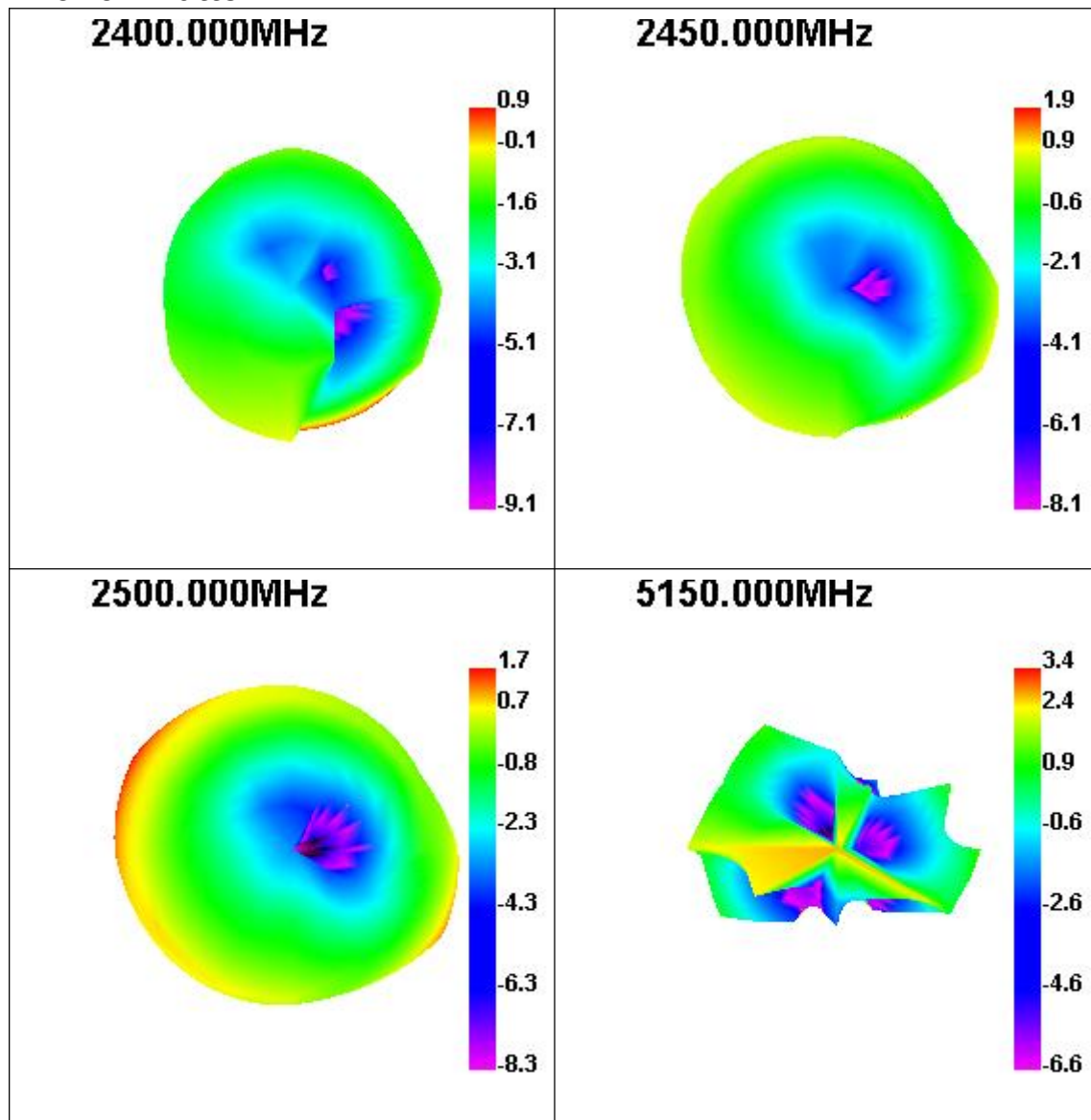
6000.000MHz E1

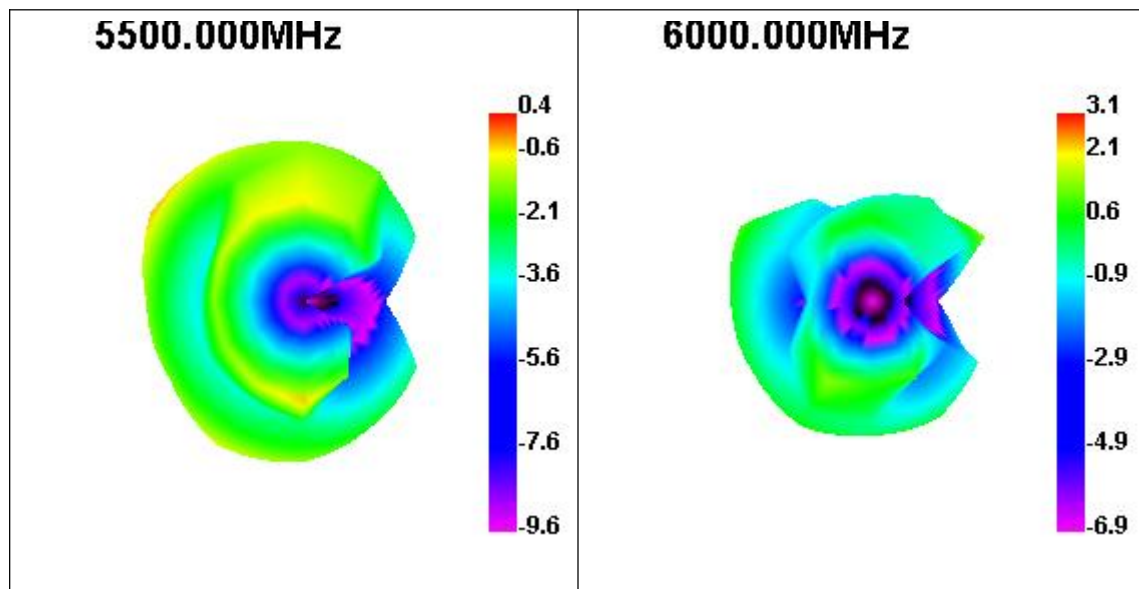


6000.000MHz E2



1.3 3D Pattern





2 EUT appearance