

规格承认书

SPECIFICATION FOR APPROVAL

客 户
CUSTOMER: _____

客 户 料 号
CUSTOMER NO: _____

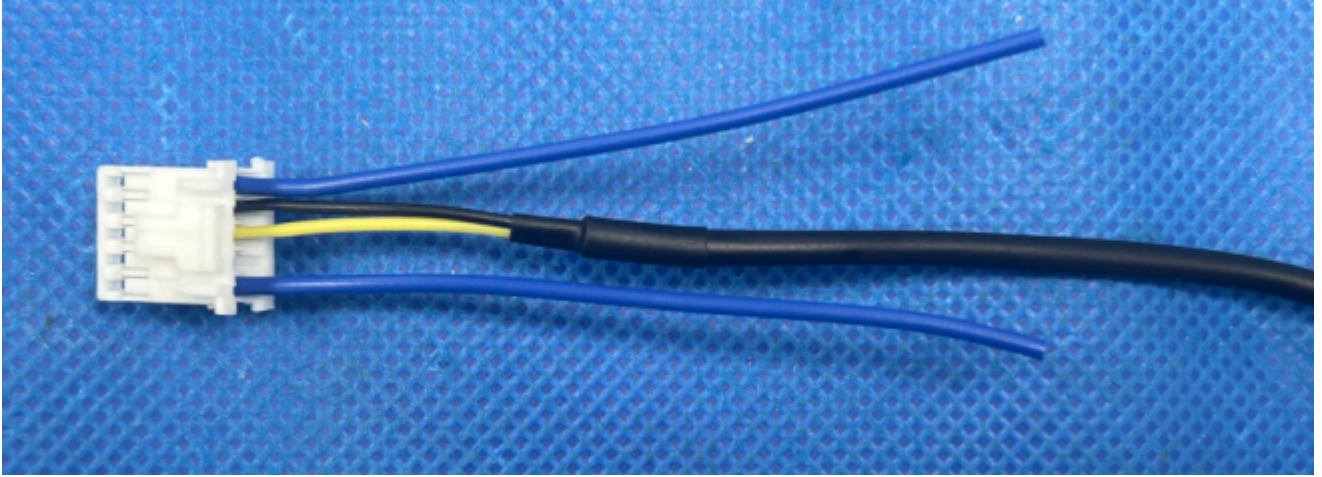
品 名 **2.4-5.8GHz Antenna**
PART NAME: _____

供 方 料 号 **HD.P-47-8-100-IPEX**
SUPPLIER NO: _____

承认书项目表

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add: 东莞市大朗镇佛新聚祥二路26号 电话: 0769-82226176 传真: 0769-82226175



The cable is RF- Φ 1.13 cable with IPEX and length is 73mm



电 性 测 试 报 告

Test Reports

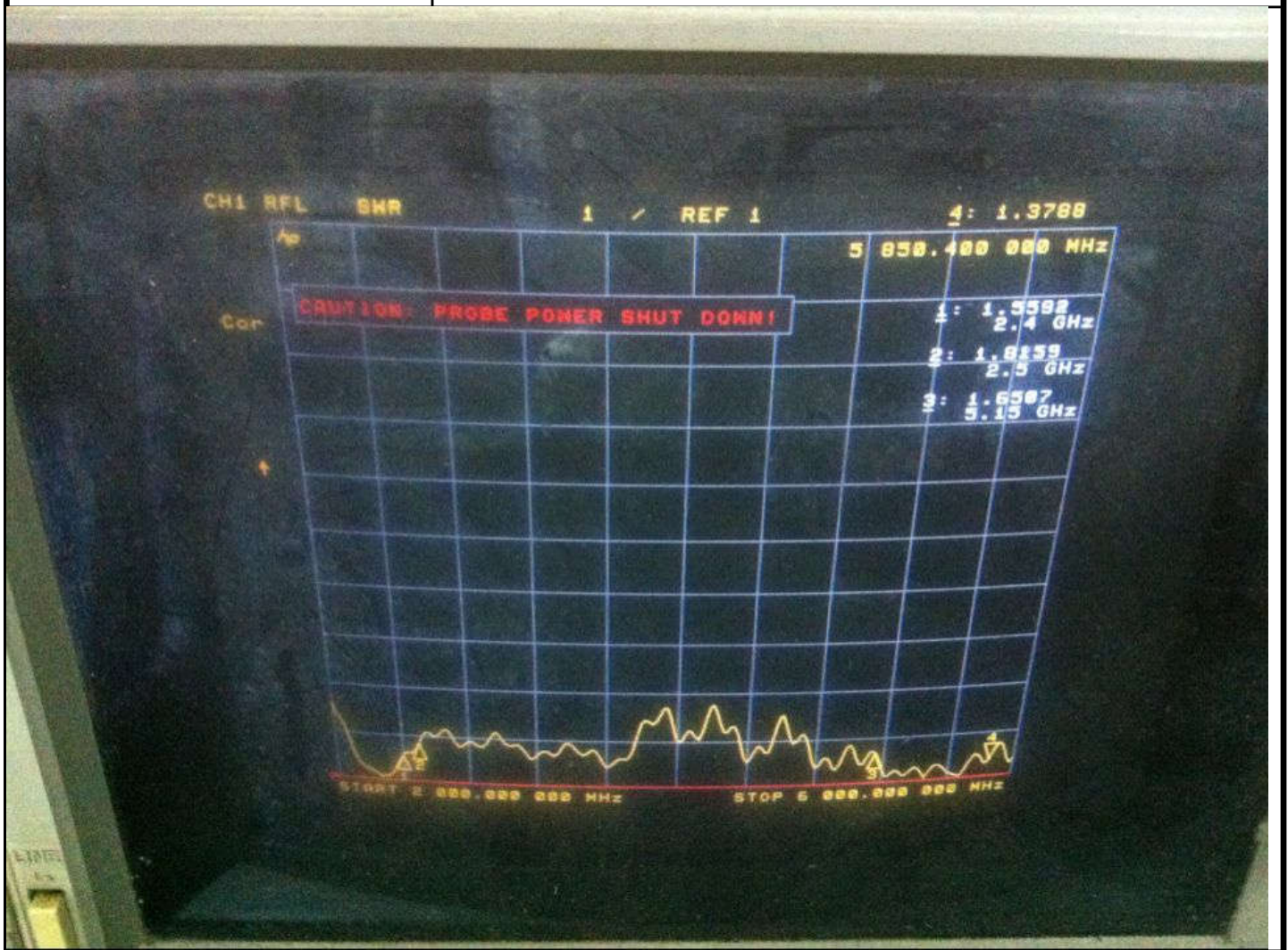
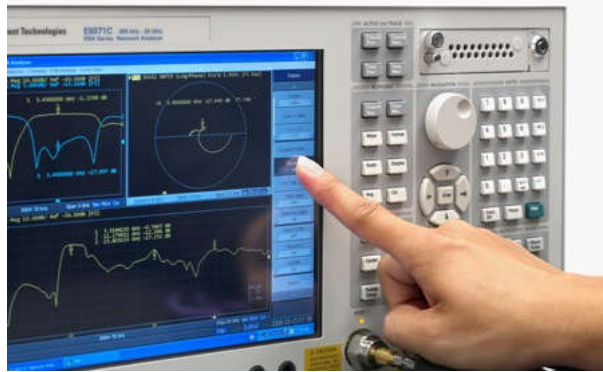
Electrical Properties	
Frequency	2.4-5.8GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	-2.12 dBi(2.4GMax);2.97dBi(5G Max)
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	None
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // L= 73mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray



S 参数测试

S Parameter Test

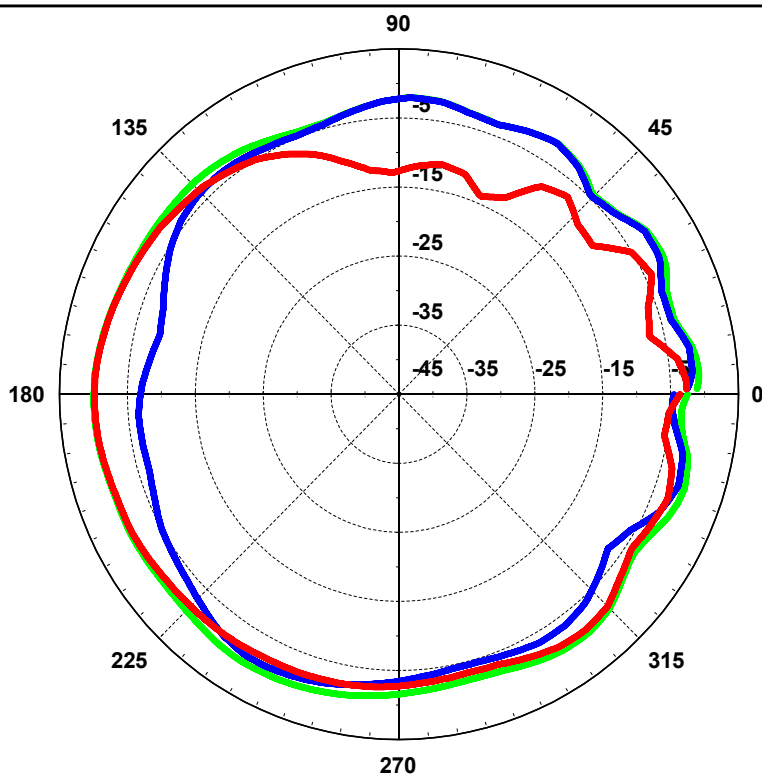
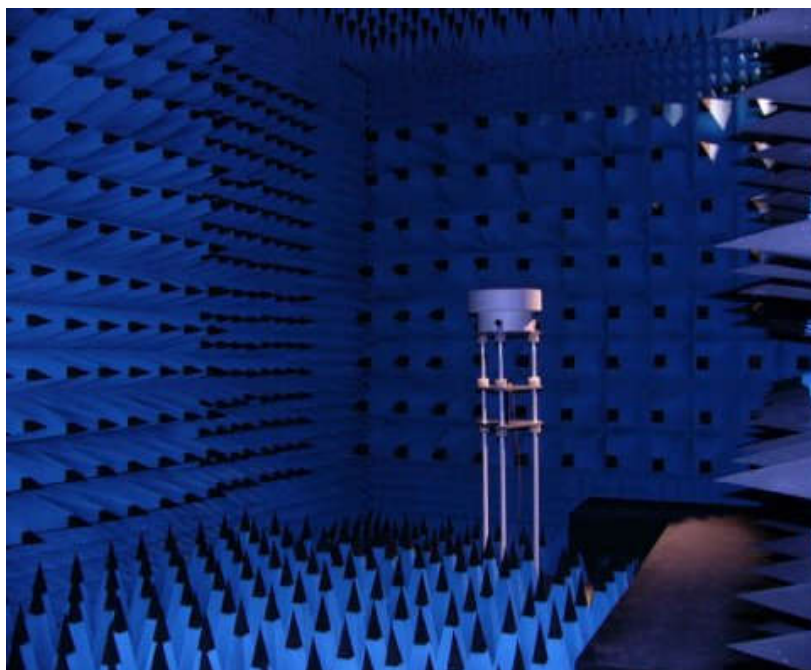
Agilent E5071C



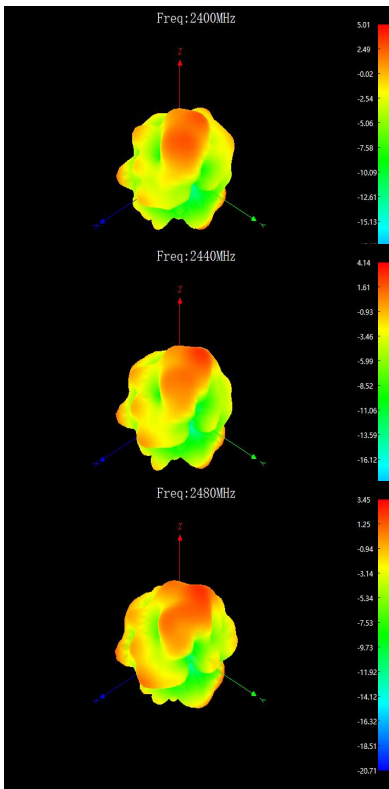
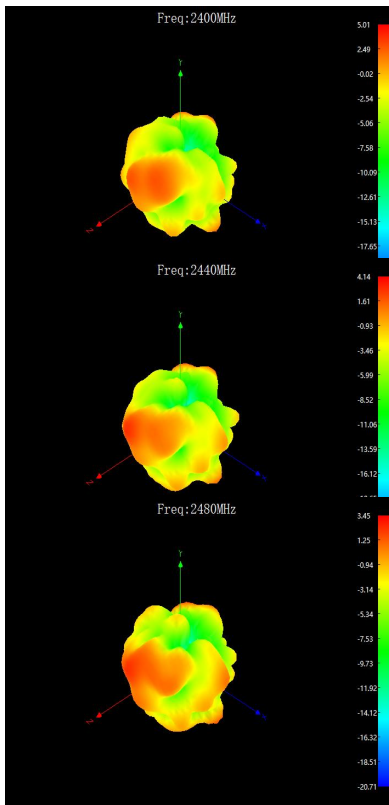
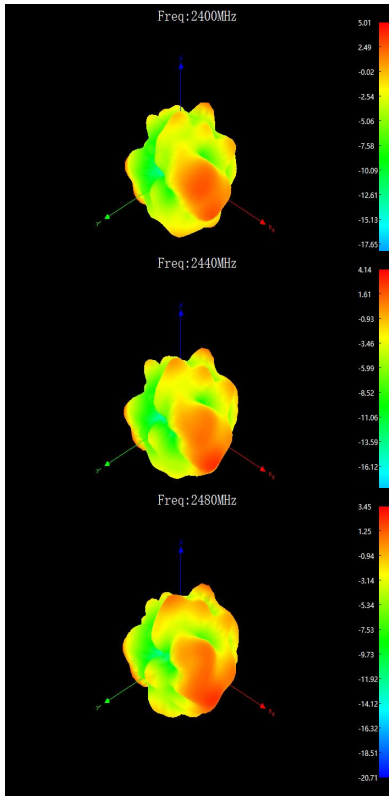
增益测试

Gain Test

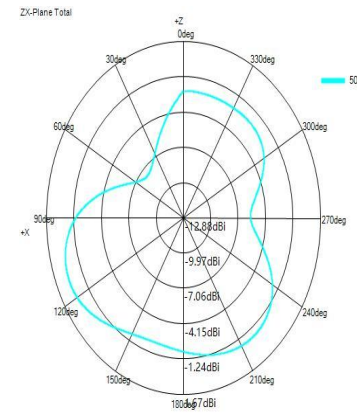
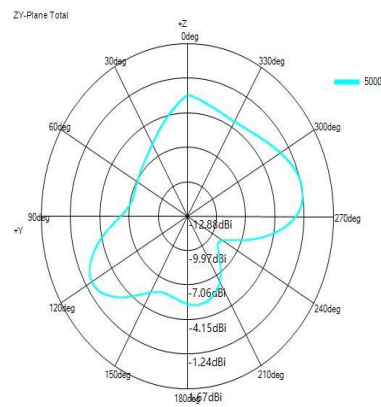
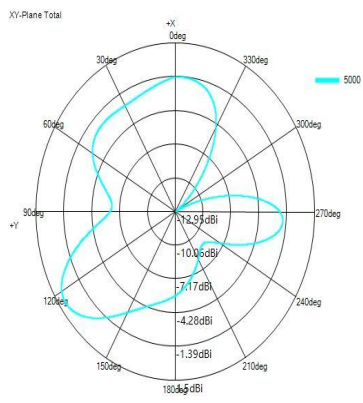
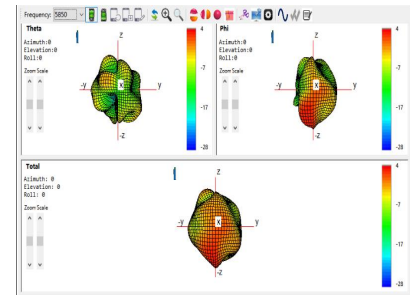
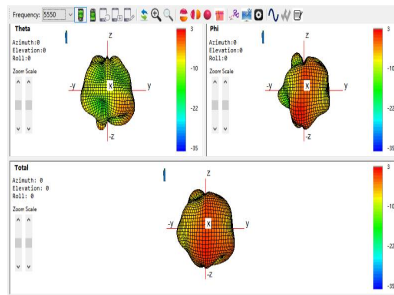
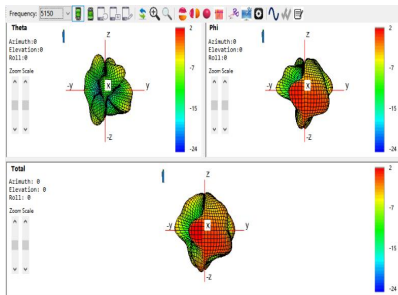
*Antenna
Radiation
Pattern
VS
Gain*



2.4G



5G



GAIN & Efficiency

Frequency/Mhz	Efficiency/dBi	Efficiency/%	Frequency/Mhz	Efficiency/dBi	Efficiency/%
2400	-2.37	57.94	2445	-2.25	59.57
2405	-2.26	59.43	2450	-2.29	59.02
2410	-2.44	57.02	2455	-2.2	60.26
2415	-2.29	59.02	2460	-2.29	59.02
2420	-2.19	60.39	2465	-2.36	58.08
2425	-2.12	61.38	2470	-2.35	58.21
2430	-2.15	60.95	2475	-2.46	56.75
2435	-2.37	57.94	2480	-2.45	56.89
2440	-2.35	58.21	2485	-2.34	58.34
2445	-2.25	59.57			

Frequency (MHz)	Gain(dBi)	Efficiency(%)
5150	1.91	41.63
5200	1.44	44.64
5250	1.66	44.49
5300	1.96	43.29
5350	1.54	44.35
5400	1.32	44.9
5450	1.27	44.18
5500	1.65	46.62
5550	1.83	46.72
5600	1.44	43.63
5650	2	42.64
5700	2.03	42.17
5750	2	39.56
5800	2.97	45.59
5850	2.73	44.62