

Acknowledgment Form List

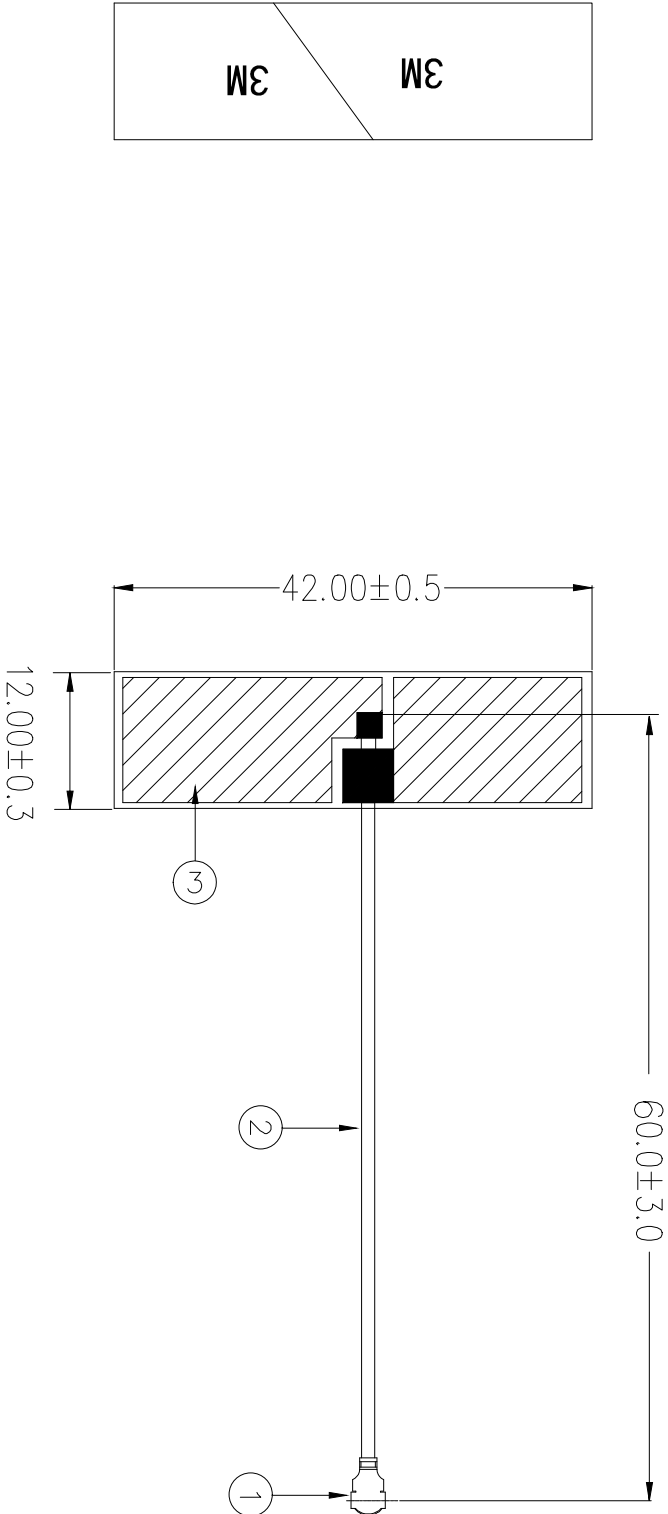
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Test Reports

Electrical Properties	
Frequency	2.4~2.5GHz;5~6GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.4GHz: 1.52dBi;5GHz: 1.67dBi;
Cable Loss	3.2 dB / m Max
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 120 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

Manufacturer: Dongguan Chuangjie Electronics Co., Ltd.
Address: Room 413, No. 61, Ningxin Middle Road, Humen Town,
Dongguan City, Guangdong Province

SIGN	DATE	DESCRIPTION	APPROVER
A			
A			
A			



3	NB030B	FPCB	42*12mm	1
2	R-CB-081B	Coaxial Cable	O.D. 0.81mm Black	1
1	CI-081	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

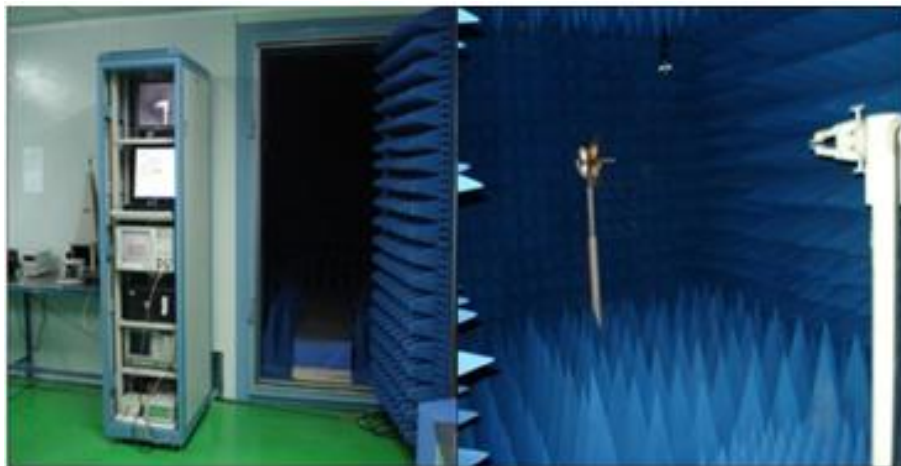
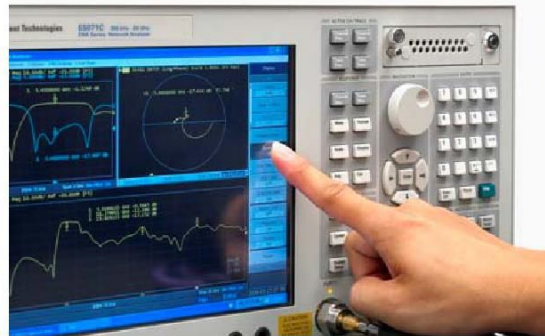
东莞市创捷电子有限公司

Tel:86-0769-33891210
Fax:86-0769-82381572

TITLE: 2.4GHz Antenna				DWG NAME: NB030-081B-1X130.DWG			
PART NO.: WF4212-JPEX 1.6cm							
APPROVED BY	CHECKED BY	DESIGNED BY	UNITS: mm	SCALE: 1/1	Tolerance		
jeff 2014-02-26	leon 2014-02-26	YD 2014-02-26			X.X NO.20		
				REVISION: A	X.XX NO.10		
					XA N3A		

S Parameter Test

Agilent E5071C

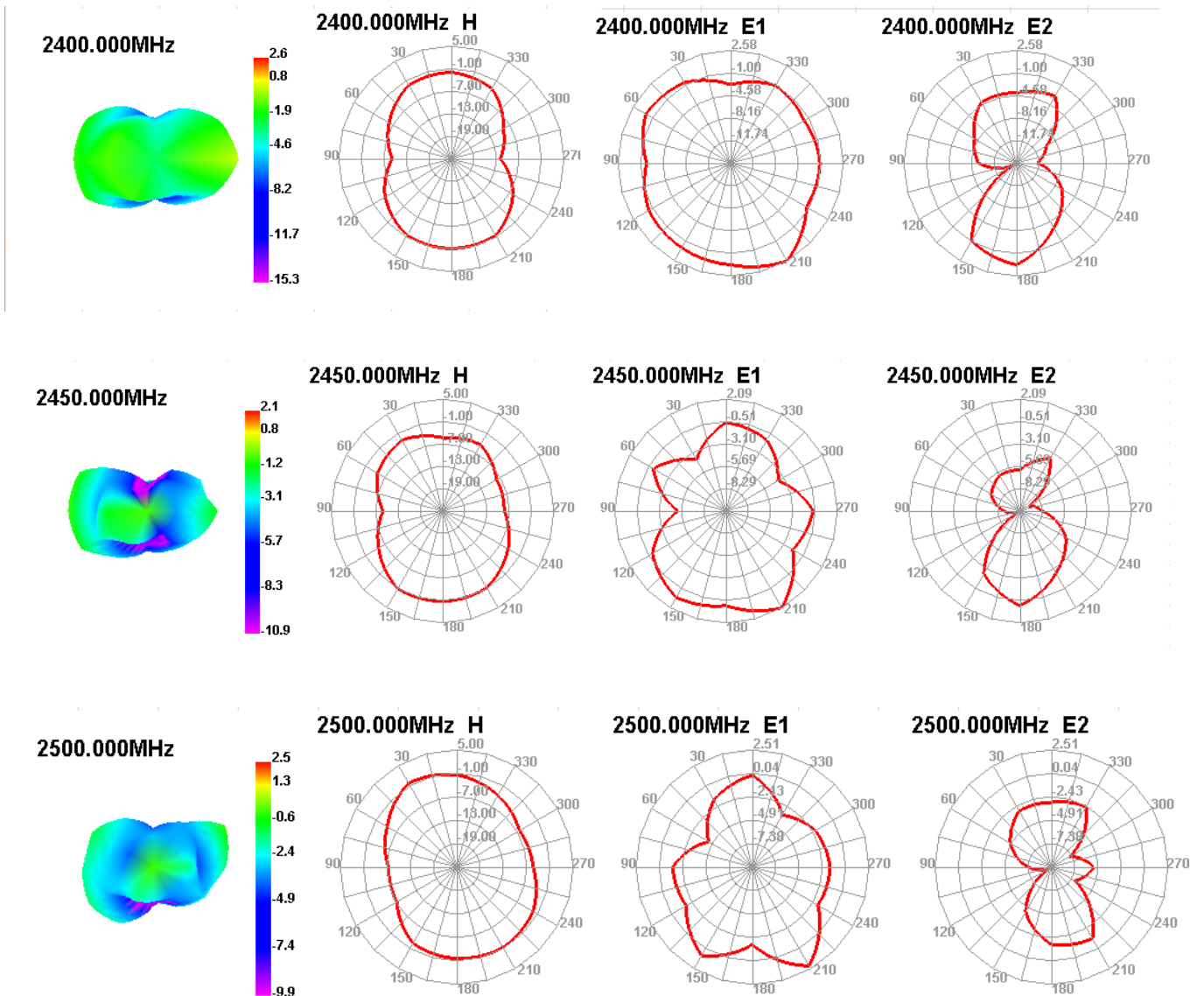


- The antenna characteristics use the microwave anechoic chamber of the ETS test system, the size of the microwave anechoic chamber is 7m x 4m x 3m, and
- the test frequency is 700MHz---6GHz.
- S11 testing using Agilent E5071B network analyzer

Gain Test

Passive Test 2.4GHz											
Fre.(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi(%)	33.59	33.60	33.25	35.14	35.73	33.09	30.99	31.24	27.93	26.05	26.02
Gain(dBi)	1.10	1.16	1.21	1.29	1.25	1.52	1.51	1.41	1.43	1.32	1.32

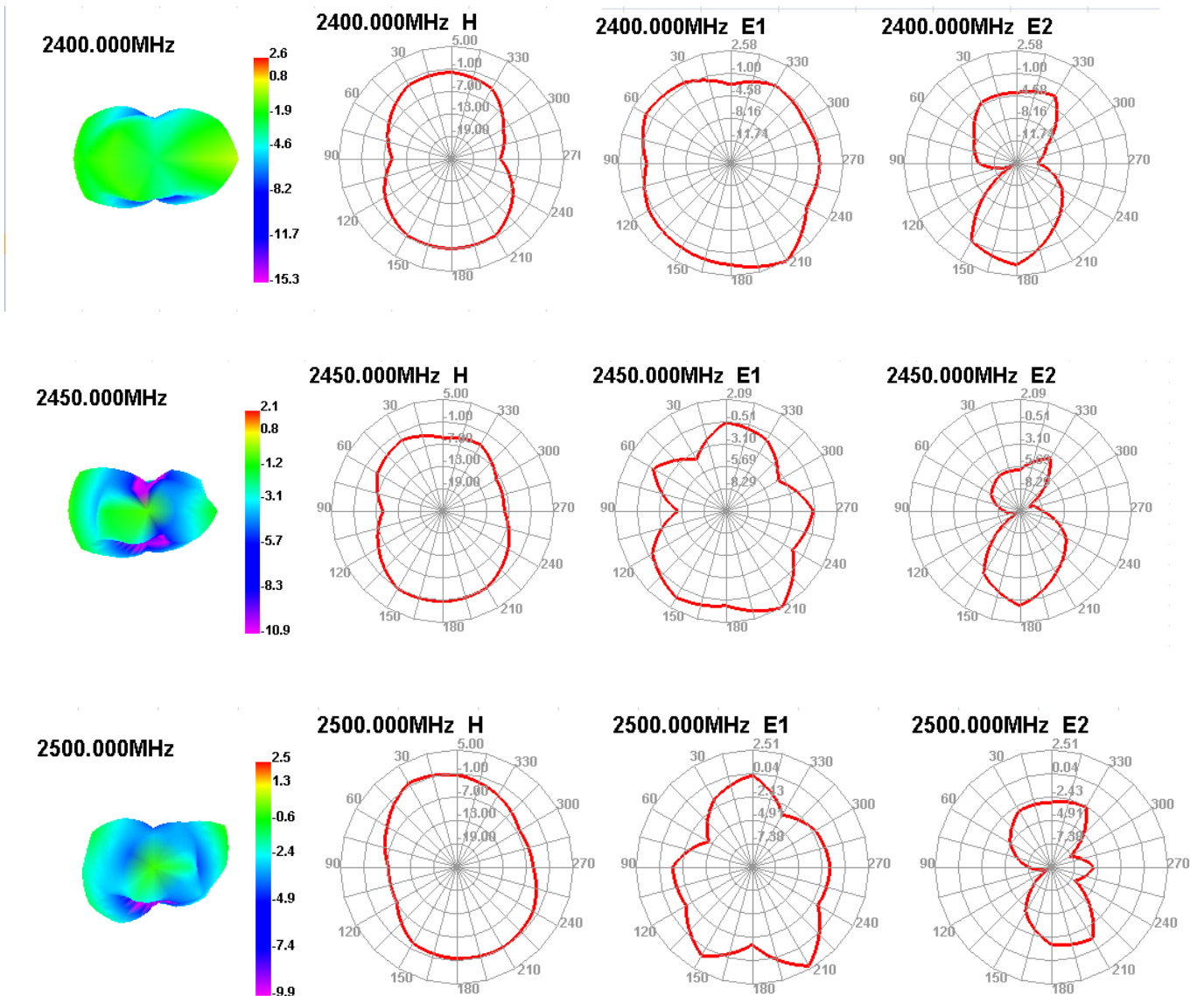
Passive Test 5GHz											
Fre.(MHz)	5000	5100	5200	5300	5400	5500	5600	5700	5800	5900	6000
Effi(%)	41.87	46.02	47.11	51.20	51.74	48.75	45.44	42.14	37.31	37.07	36.09
Gain(dBi)	1.34	1.49	1.59	1.59	1.60	1.67	1.65	1.52	1.53	1.47	1.47



Gain Test

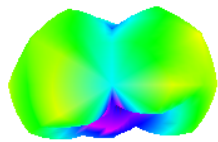
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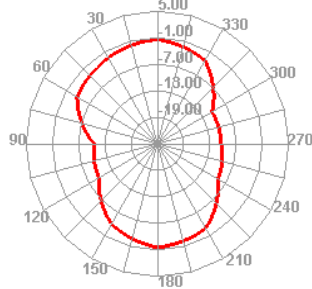


Gain Test

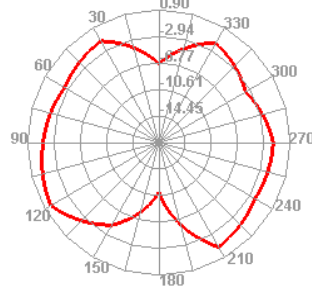
5160.000MHz



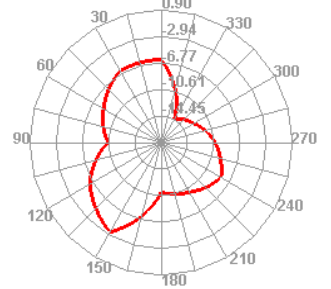
5160.000MHz H



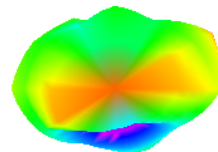
5160.000MHz E1



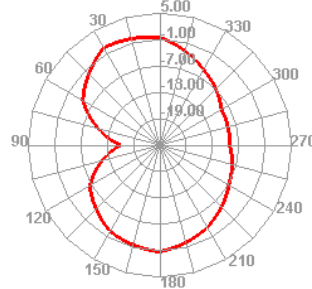
5160.000MHz E2



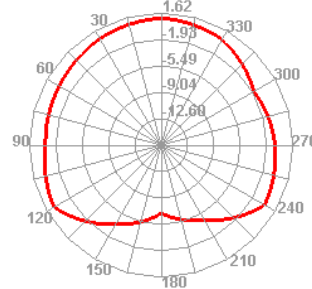
5520.000MHz



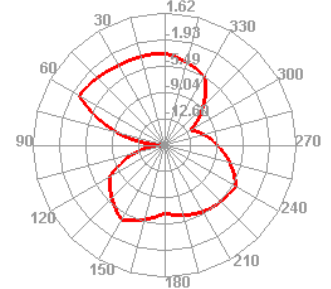
5520.000MHz H



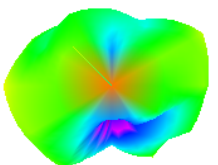
5520.000MHz E1



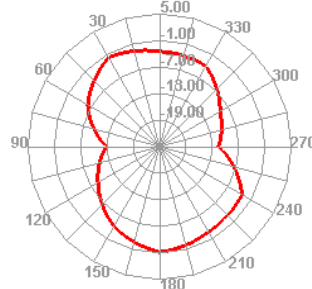
5520.000MHz E2



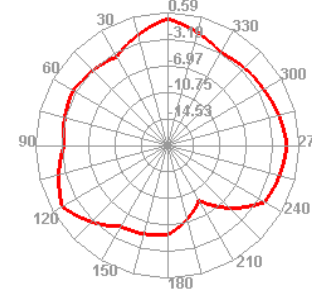
5800.000MHz



5800.000MHz H



5800.000MHz E1



5800.000MHz E2

