

Antenna specifications

版本: A1

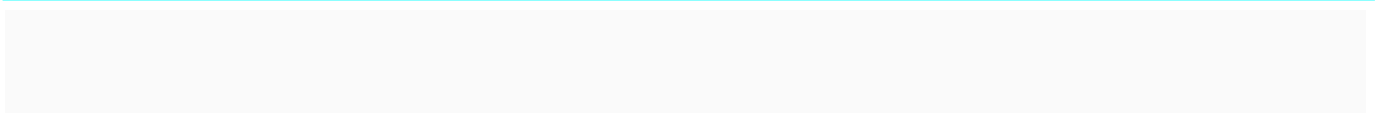
DESCRIPTION:

SMA-2.4G2DB Black antenna

D A T E:

2018-3-30

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT
David chen	Merry liu	Tony Dai



		Electrical Specifications	
frequency range	2400-2500MHZ	Frequency Range	2400-2500MHZ
VSWR	≤2.0	VSWR	≤2.0
Gain	2DBI	GAIN	2DBI
Input impedance	50 Ω	Input Impedance	50 Ω
		Mechanical Specifications	
Antenna color	Black	Antenna Color	BLACK
Interface form	SMA+孔	Input connector	SMA
length	108mm	Cable length	108mm
temperature	-40°C~+85°C	Working Temperature	-40°C~+85°C
Operating humidity	20~80%	Working Humidity	20~80%

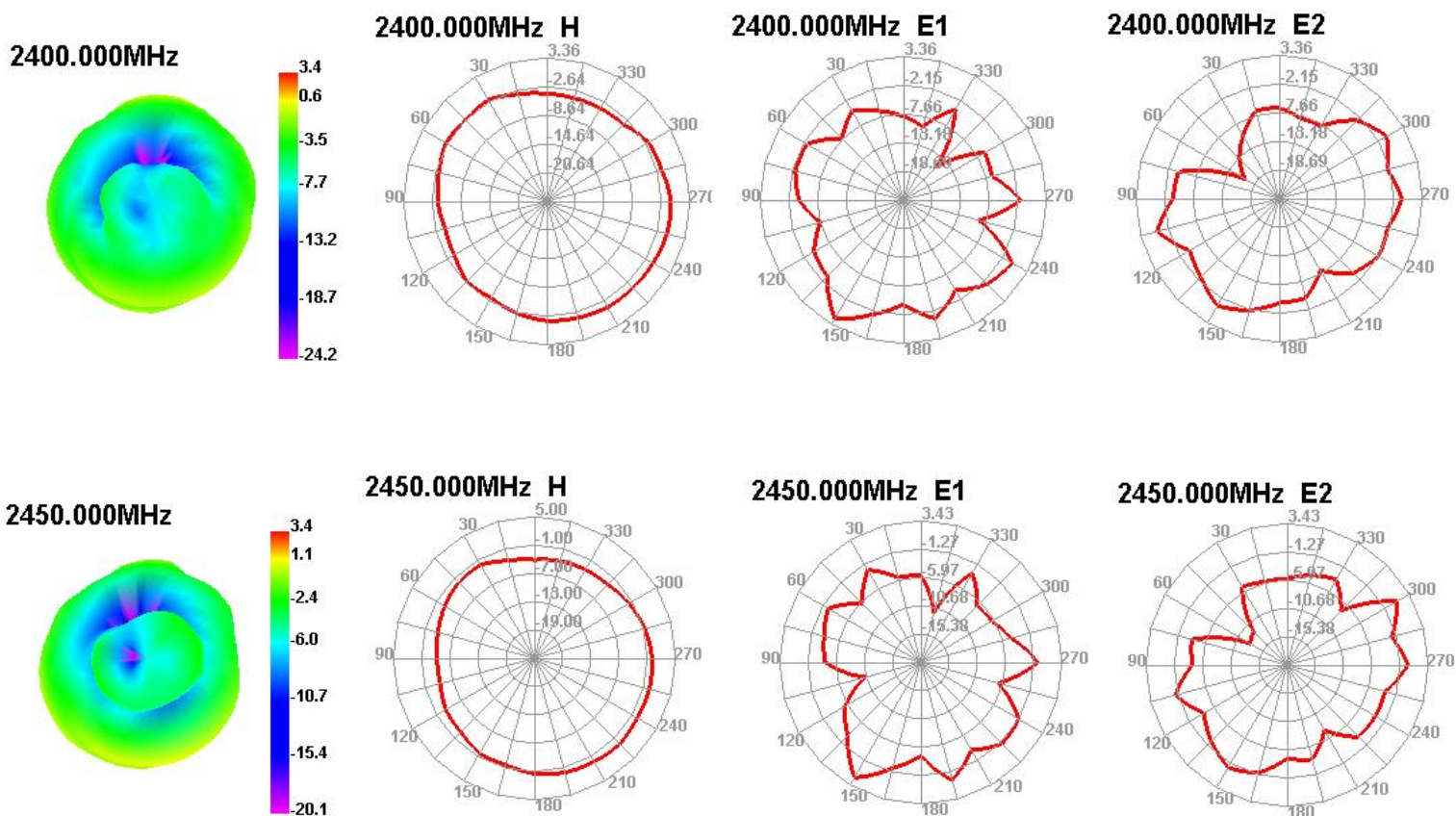


四、Gain efficiency test data

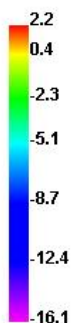
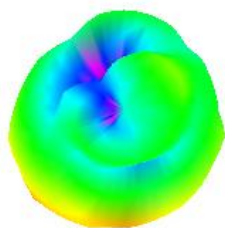
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	47.06	-3.27	0.57
2405	45.6	-3.41	0.36
2410	49.46	-3.06	0.81
2415	45.94	-3.38	0.44
2420	48.96	-3.1	0.76
2425	52.72	-2.78	1.07
2430	52.54	-2.79	1.05
2435	52.67	-2.78	1.01
2440	54.42	-2.64	1.09
2445	55.15	-2.58	1.09
2450	51.83	-2.85	0.68
2455	55.4	-2.56	0.98
2460	52.21	-2.82	0.72
2465	51.49	-2.88	0.76
2470	49.3	-3.07	0.55
2475	53.32	-2.73	0.92
2480	54.14	-2.66	0.98
2485	53.75	-2.7	0.92
2490	59.49	-2.26	2.0
2495	56.31	-2.49	1.23
2500	55.03	-2.59	1.15

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5000	23.32	-6.32	-0.82
5050	26.74	-5.73	-0.56
5100	28.01	-5.53	-0.24
5150	31.95	-4.95	0.34
5200	34.45	-4.63	1.06
5250	43.87	-3.58	1.45
5300	46.46	-3.33	1.73
5350	48.73	-3.12	1.95
5400	48.1	-3.18	2.00
5450	43.31	-3.63	1.8
5500	43.9	-3.58	1.88
5550	35.27	-4.53	1.07
5600	24.47	-6.11	0.48
5650	23.92	-6.21	0.22
5700	22.03	-6.57	-0.16
5750	20.32	-6.92	-0.92
5800	19.69	-7.06	-0.97
5850	22.56	-6.47	-0.57
5900	19.45	-7.11	-0.47

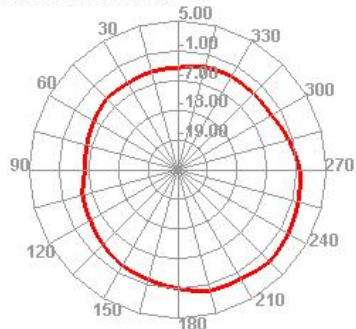
五、Field strength diagram test data



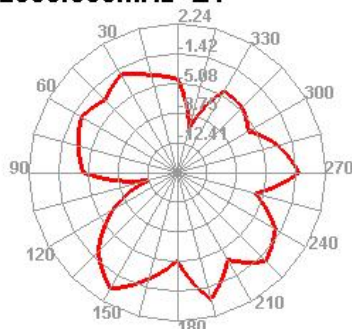
2500.000MHz



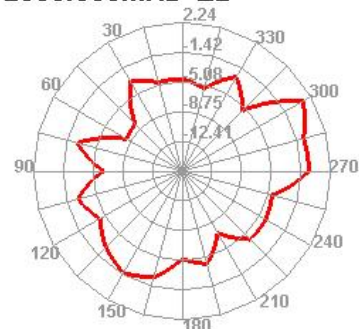
2500.000MHz H



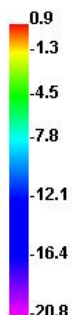
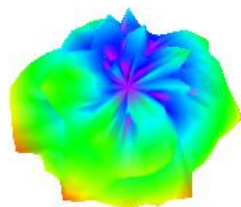
2500.000MHz E1



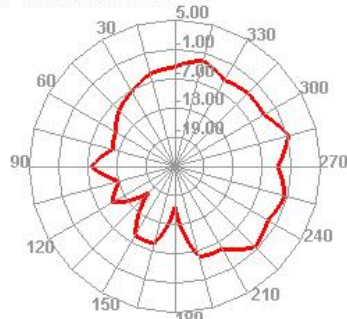
2500.000MHz E2



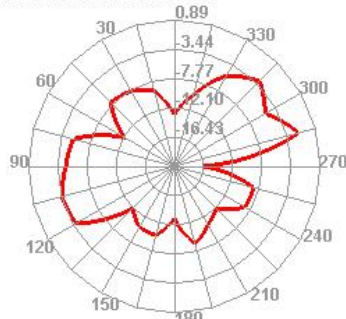
5150.000MHz



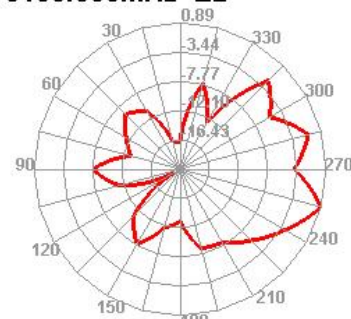
5150.000MHz H



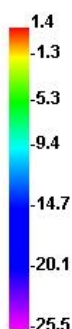
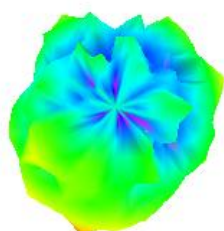
5150.000MHz E1



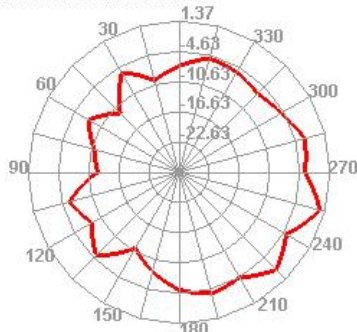
5150.000MHz E2



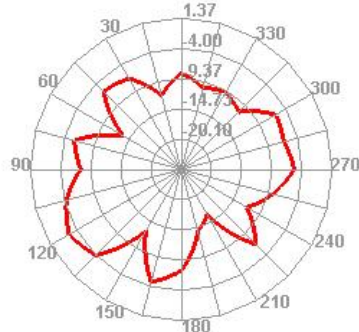
5450.000MHz



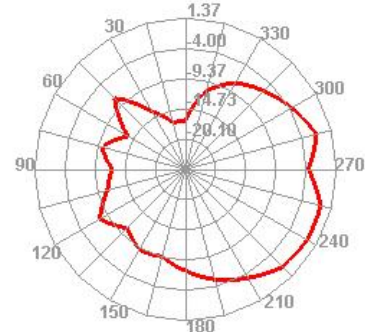
5450.000MHz H



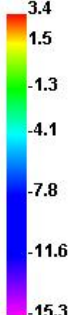
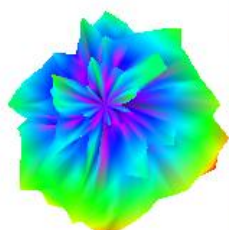
5450.000MHz E1



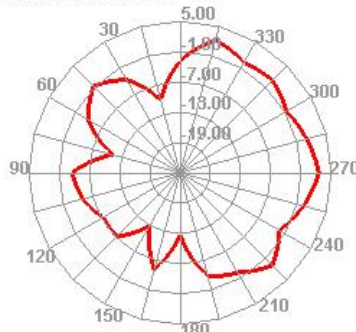
5450.000MHz E2



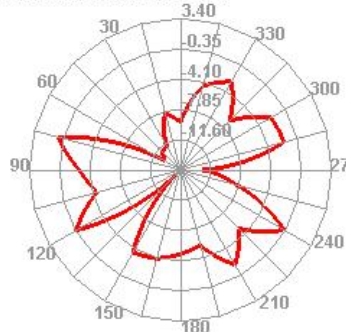
5850.000MHz



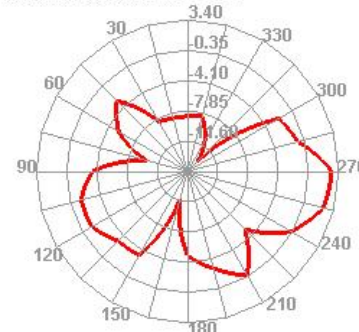
5850.000MHz H



5850.000MHz E1

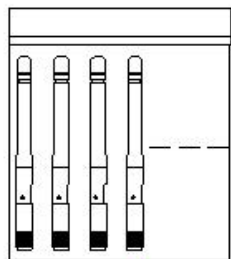
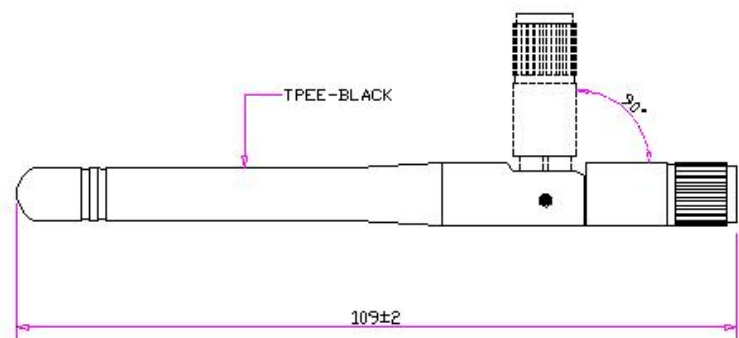


5850.000MHz E2



RoHS
Compliant

REV	DATE	DESCRIPTION	NAME
A1			
A2			



- 要求1: 成品须100%测试导通OK
 2. 成品须100%全检OK.
 3. 采用环保制程 成品
 4. 符合ROHS要求.
 接头拉力: 5KG~
 5. 未注公差请以一般公差为准.

频率范围 Frequency Range	470MHZ
输入阻抗 Impedance	50 OHM
驻波比 VSWR	< 2.0
增益 Gain	2.0DBI
极化 Polarization	垂直
方向性 Radiation	

NO.	NAME	Description	QTY	Part No.
7				
6	线材	1.78线-48*L=97mm	1	1301-0054
5	橡胶外盖	6.5黑色橡胶-不出线	1	1203-0017
4	橡胶上座	6.5黑色橡胶-不出线	1	1201-0016
3	橡胶下座	6.5黑色橡胶-不出线	1	1201-0015
2	五金件	1.6*5.0*L24	1	1701-0065
1	S M A	6.5胶胶+针	1	1101-0111

公差	范围	公差
±0.1	0~1	±0.1
±0.3	1~10	±0.3
±0.5	11~30	±0.5
±0.8	31~100	±0.8
±1.0	101~300	±1.0
±2.0	301~	±2.0

ANGULAR ±1°

产品名称 (PRODUCT NAME)	1.43 11DB 橡胶天线-L1.05		
料号 (PART NAME)			
客户料号 (CUS PART NAME)			
绘图 (DRAW)	NELR	版本 (VER)	A1
审核 (CHECK)	CHEM	日期 (DATE)	2017-8-3
核准 (APP.)	JERLR	页码 (PAGE)	1/1

截图(Alt + A)