



Product Specification

P/N : 366W0286

REV. : X2

Date : 2020/12/02

Protocol : Daniel

深圳物连通信技术有限公司
Shen Zhen IOE Communication Technology Co., Ltd.

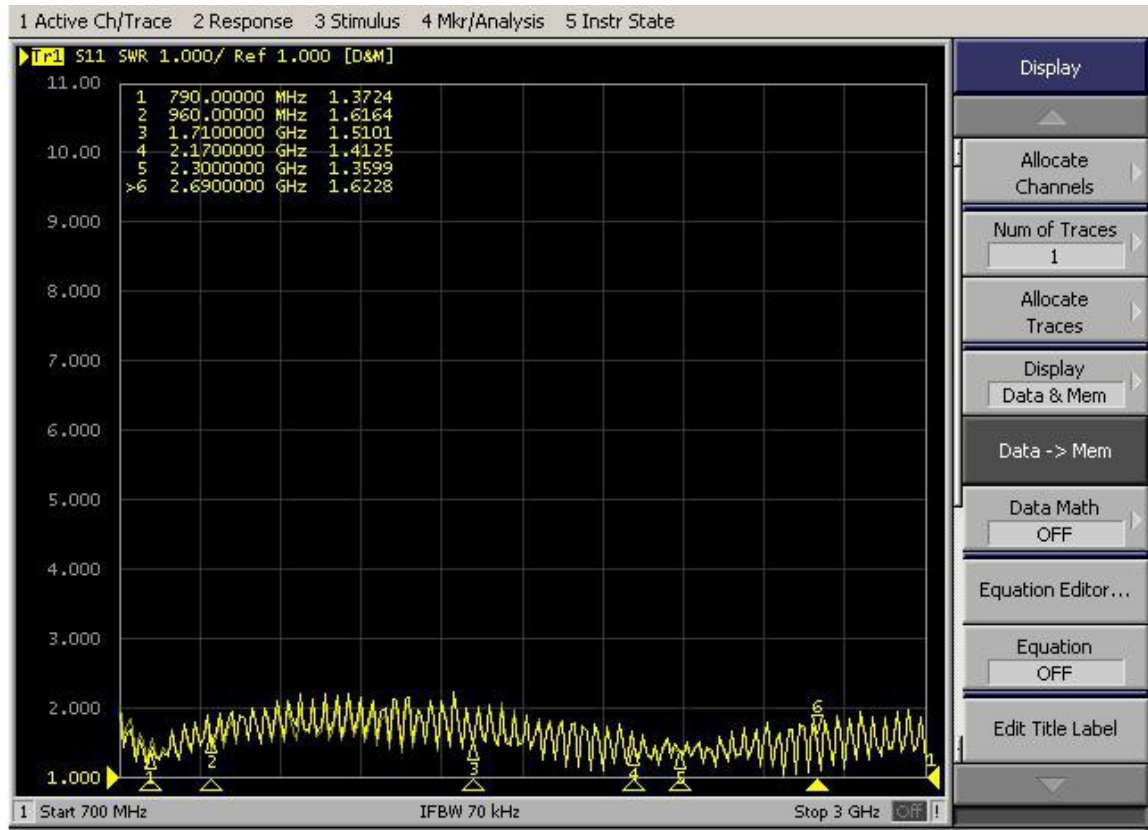
Antenna Specification



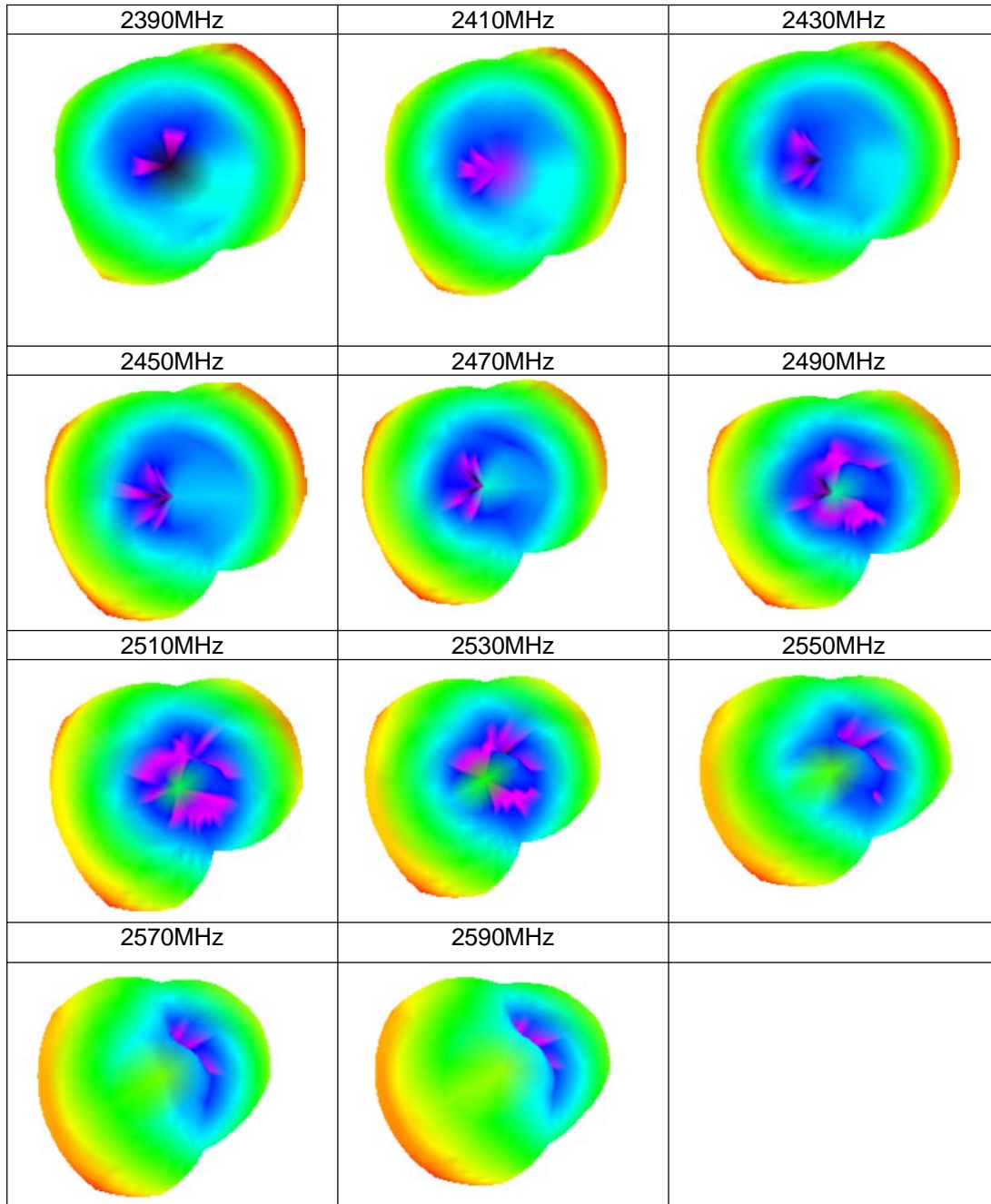
4G 小吸盘胶杆天线 TO SMA-JW WITH RG174 黑色线 L2.2M H110mm

Item	Specification	Comment
Impedance	50Ω	
Test Condition	Passive test	
Freq. Range	790-960MHz 1710-2690MHz	
Antenna Type	Sucker Antenna	
Efficiency	60%	
VSWR	790-960MHz 1710-2690MHz≤2.0	
Polarization Type	Vertical	
Radiation Type	Omnidirectional	
Connector Type	SMA-J	
RF Cable Type	RG174	
Dimension	L2.2M	
Operating Temp	-30°C ~ +75°C	
Storage Temp	-30°C ~ +75°C	
Withstand voltage	1000V	
Power	40W	

1.SWR/驻波图



1.SWR/驻波图



2. Efficiency/ Gain Test 效率测试

Freq (MHz)	Effi (%)	Gain (dBi)
800MHz	66.83	1.41
820MHz	72.28	0.65
840MHz	77.45	0.69
860MHz	63.1	0.48
880MHz	60.53	-0.65
900MHz	65.46	0.11
920MHz	68.55	0.48
940MHz	64.71	0.34
960MHz	61.09	0.08

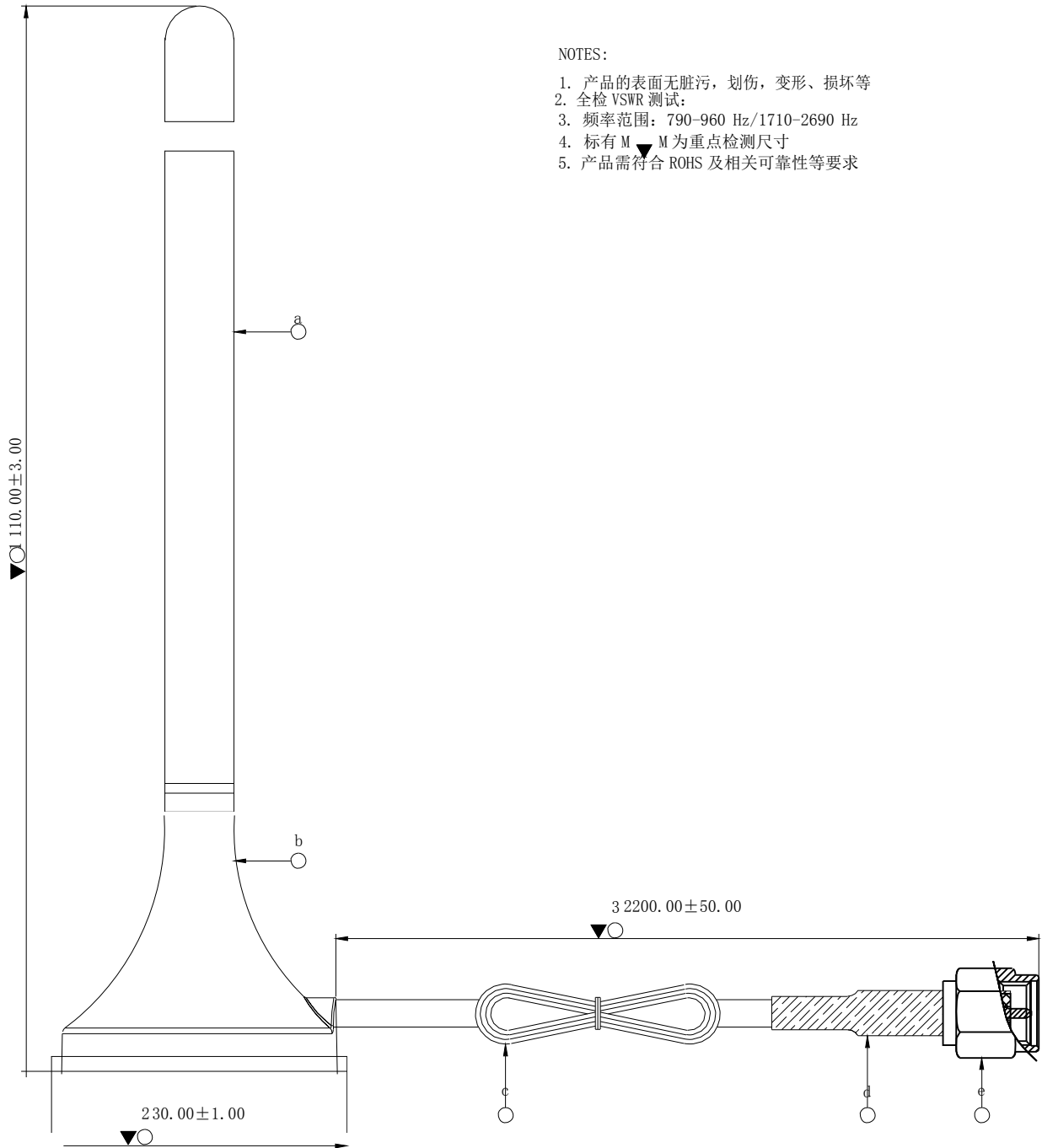
Freq (MHz)	Effi (%)	Gain (dBi)
1710MHz	45.56	1.08
1730MHz	44.09	1.79
1750MHz	43.37	1.71
1770MHz	42.64	1.55
1790MHz	43.83	1.3
1810MHz	39.9	1.16
1830MHz	41.55	0.88
1850MHz	43.19	0.37
1870MHz	39.44	0.64
1890MHz	45.76	0.94
1910MHz	48.43	0.55
1930MHz	47.93	0.46
1950MHz	43.85	0.63
1970MHz	42.36	1.13
1990MHz	44.06	0.34
2010MHz	43.45	0.57
2030MHz	37.93	0.12
2050MHz	42.46	0.78
2070MHz	40.55	0.5
2090MHz	45.92	0.62
2110MHz	38.46	0.19
2130MHz	43.85	0.6
2150MHz	42.36	0.91
2170MHz	44.06	0.84

Freq (MHz)	Effi (%)	Gain (dBi)
2310MHz	34.12	1.79
2330MHz	37.33	1.87
2350MHz	44.04	1.39
2370MHz	40.09	1.26
2390MHz	37.93	1.84
2410MHz	43.04	1.54
2430MHz	42.21	1.64
2450MHz	41.77	1.07
2470MHz	47.07	1.34
2490MHz	42.96	1.59
2510MHz	42.07	1.73
2530MHz	39.48	1.04
2550MHz	45.5	1.91
2570MHz	38.82	1.63
2590MHz	49.43	1.74
2610MHz	56.1	1.21
2630MHz	54.08	1.64
2650MHz	57.28	1.36
2670MHz	43.85	1.05
2690MHz	57.68	1.44

REV.	ECNUMBER	DESCRIPTION	DATE
A		FIRSTRELEASE	1202' 20

NOTES:

1. 产品的表面无脏污, 划伤, 变形、损坏等
2. 全检 VSWR 测试:
3. 频率范围: 790-960 Hz/1710-2690 Hz
4. 标有 M \blacktriangledown M 为重点检测尺寸
5. 产品需符合 ROHS 及相关可靠性等要求



DRAWN: Tom DATE: 1202' 20

CHECK: DATE:

APPROVE: DATE:

PROJECTNAME: 4G 吸盘天线

PARTNO: 366W0286

TITLE: REV. A

4G 小吸盘胶杆天线 TO S A-J WITH

RG174 黑色线 L2.2 H110mm

SHEET: 11

IOE	
GENERAL TOLERANCE	
.X ± 0.30 ± 10	
.XX ± 0.15	
.XXX ± 0.15	
SCALE: 1:1	
UNIT: mm	
SIZE: A4	

ITEM	PARTNAME	QTY	PART	MATERIALFINISH
e	CONNECTOR	1		SMA-J, GOLD-PLATEDBRASS
d	H. STUBE	1		HEATSHRINKTUBE, BLACK
c	CABLE	1		RG174, BLACK
b	BASE	1		OD30MM, ABS, BLACK
a	RUBBERROD	1		OD7*82mm, ABS, BLACK