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深圳市智高达电子有限公司

SHENZHEN ZHIGAODA ELECTRONICS CO., LTD.

承 认 书

SPECIFICATION FOR APPROVAL

客 户

customer:

欧 科

SRF NO:

型 号

Part Number:

323032-25532-1R

PART NO:

A38-00001-54540

日 期

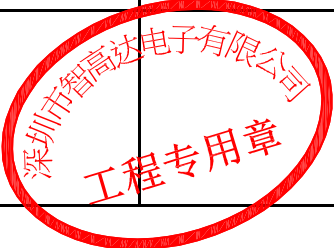
DATE:

2016/9/27

备 注

remark:

/

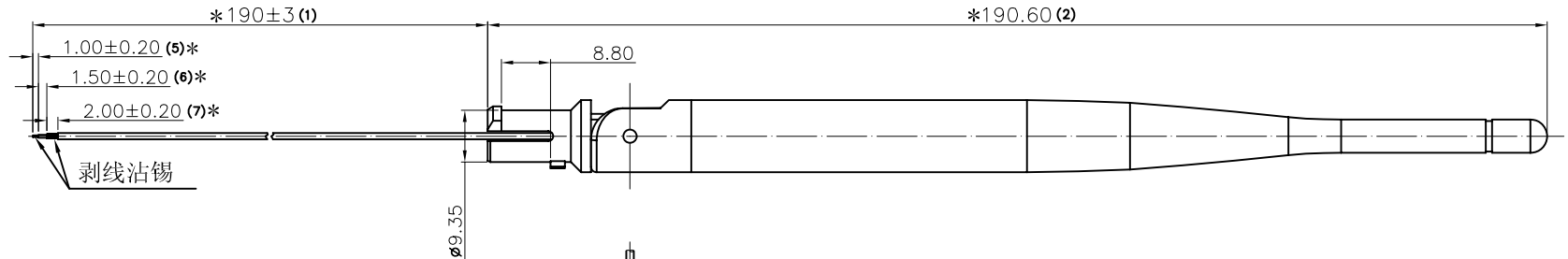
拟制/日期	审核/日期	批准/日期
曾凡俊		

地址: 深圳市宝安区福永镇街道办福源一路北蚝业路南天瑞工业区A7栋5楼

电话: 86-755-27817507/27888078/27888259

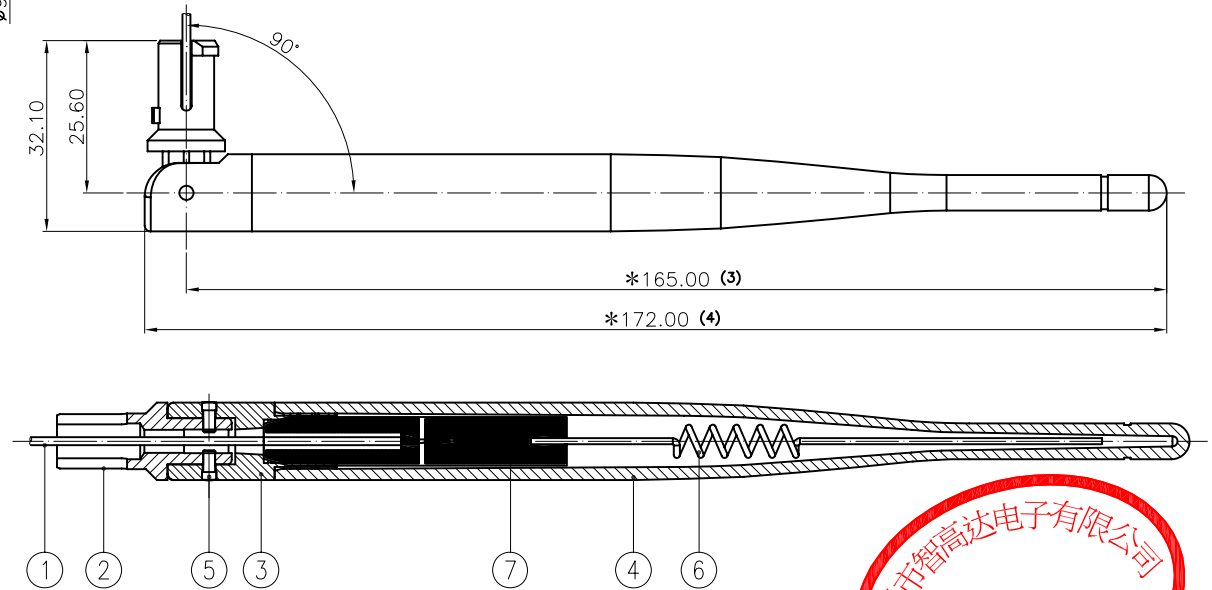
传真: 86-755-29179051

REV.	ECN NO.	LOCAS.	DESCRIPTION	DATE	DESIGN
A0			The first edition released	2015.11.03	SQL



SPECIFICATION:

1. NORMAL IMPEDANCE: 50Ω ;
2. FREQUENCY RANGE: 2.4~2.5GHz;
3. VSWR: 2.00 Max.;
4. PEAK GAIN: 5dbi TYPICAL;
5. RADIATION: OMNI-DIRECTIONAL;
6. POLARIZATION: VERTICAL;
7. 带"(xx)" 尺寸为FAI, 带"*" 尺寸重点尺寸, 带"■" 尺寸为CPK尺寸;
8. 包装规范: 25PCS/扎, 2扎/包;



			1
7	PCB硬板	L51.1*W7.80*T0.60, 材质FR-4	1
6	弹簧	Ø65.60*Ø1.00*L95.00, 材质锌合金	1
5	铆钉	POM, 黑色	2
4	套杆	Ø13*L165 ABS, 黑色	1
3	上固定座	PC+PBT, 黑色	1
2	下固定座	PC, 黑色	1
1	线材	RG1.13 黑色双锡芯线 L=255mm	1
NO	ITLM	DESCRIPTION	Q'TY

COPLIANCE WITH THE REQUIEMENT ☒ RoHS ☐ HF ☐ SONY00259 ☐ OTHER
* NO USING RESTRICTED AND BANNED SUBSTANCE

DIM	TOL	DIM	TOL
X.	±0.30	X'.	±4.0"
X.X	±0.20	X.X'	±3.0"
X.XX	±0.10	X.XX'	±2.0"
X.XXX	±0.05	X.XXX'	±1.0"

深圳市智高达电子有限公司

DRAW NO.		DATE	2015.11.03	DRAW NAME:	323032-25532-1R
DESIGN:	SQL				5dBi天线(黑色)外露线长 L=190mm
CHECK:				FILE:	A38-00001-54540
APPROVED:				MODEL:	
				REV. A0	SCALE N/A
				UNIT:	mm
				SHEET:	N/A





測試報告

TEST REPORT

CUSTOMER : _____

CUSTOMER NO. : _____

FILE NO : _____

DESCRIPTION : RF Antenna +5dbi 2.4~2.5GHZ

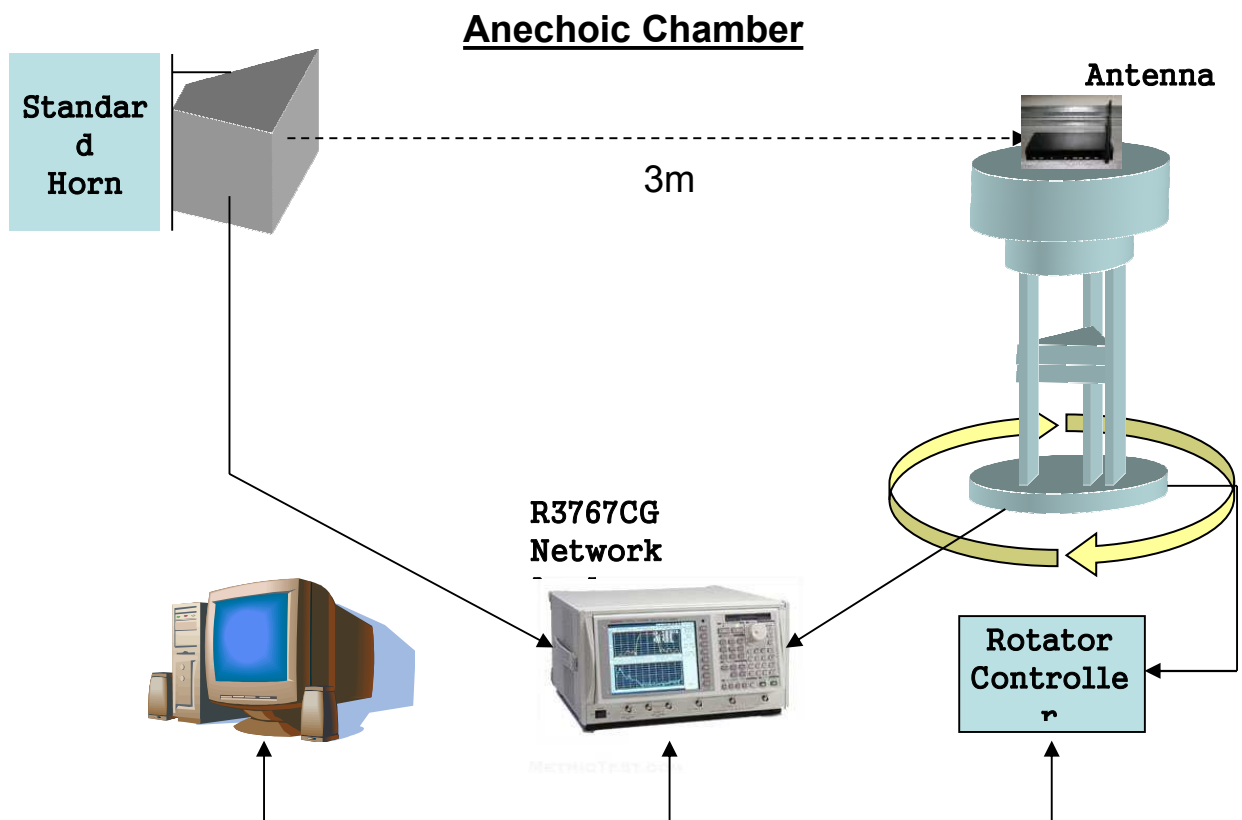
LITE P/N : _____

DATE : 2017/10/09



Antenna Testing Conditions :

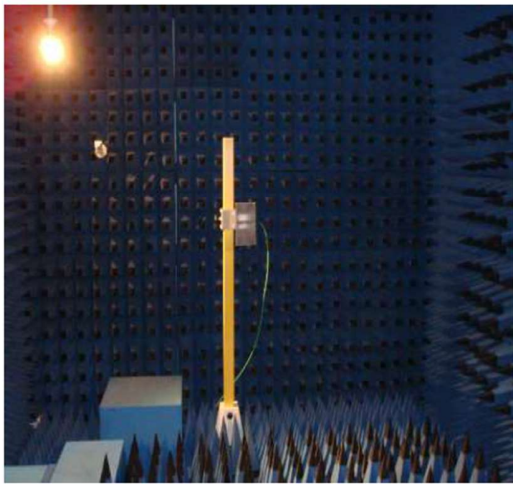
Radiation Pattern Testing



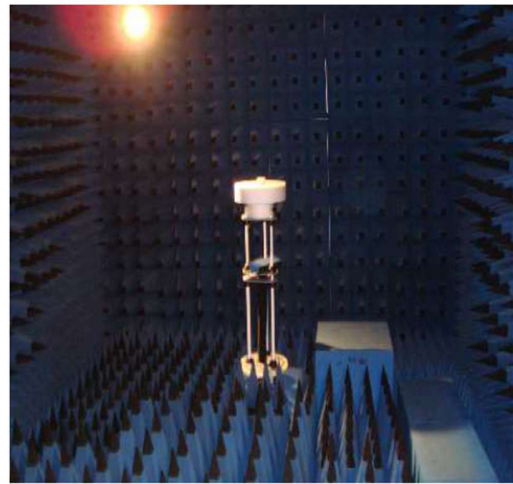
Anechoic Chamber

MUSIC
APPROVED

Standard Horn Antenna



Antenna Test



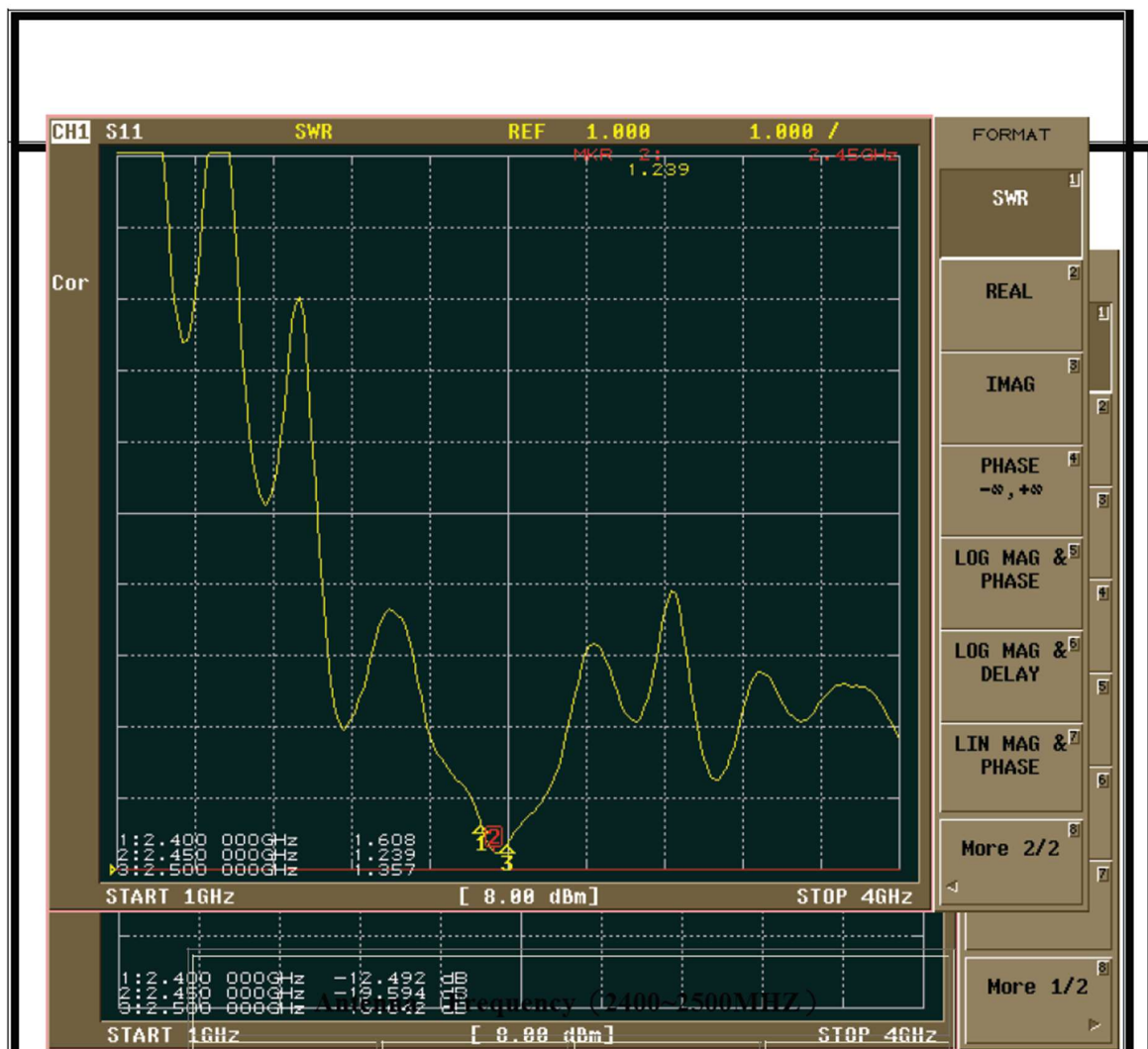
Antenna Electricity Characteristics:

1. Return Loss:

Frequency	2400	2450	2500
Return Loss	-12.492	-19.594	-16.642



2. VSWR :



Frequency	2400	2450	2500
VSWR	1.608	1.239	1.357



3. Smith Chart :

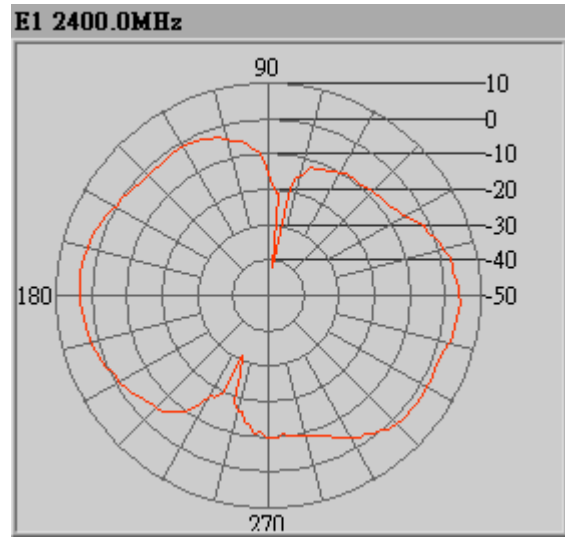
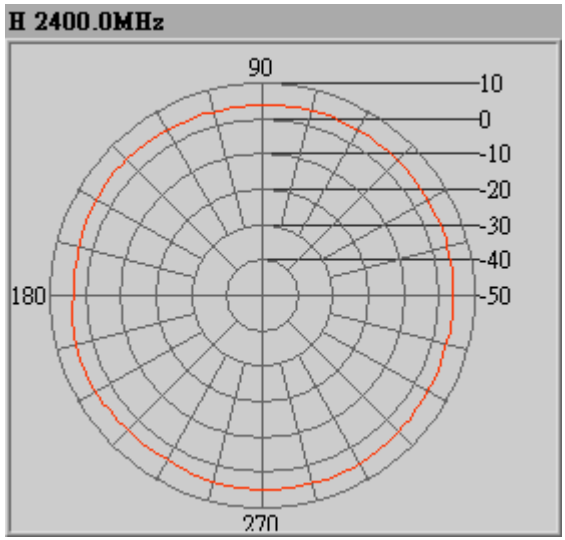


Antenna Radiation pattern :



H plane (2400MHZ)

E plane (2400MHZ)

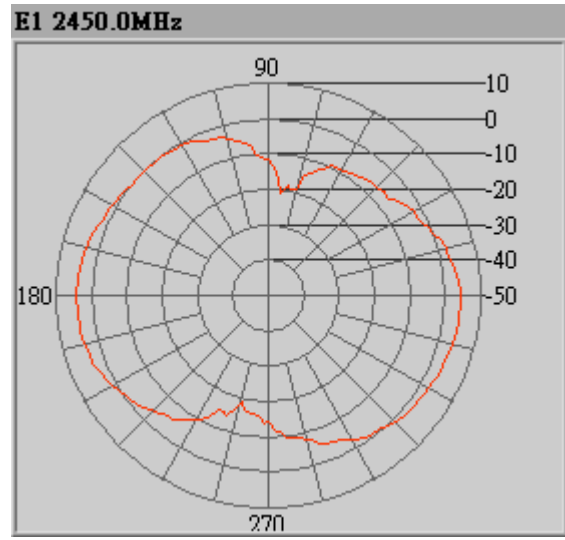
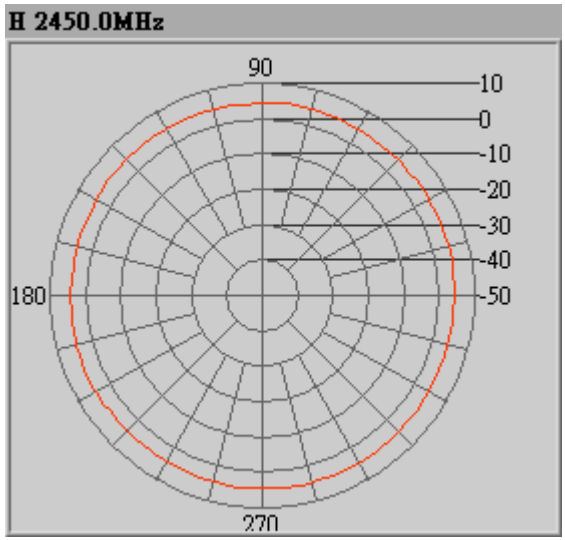


	H	E1
Max Gain	4.57	4.16
Max Gain@Angle	279	358
Min Gain	3.18	-42
Min Gain@Angle	168	82
Average Gain	4.12	-0.98
-3dB Angle A		
-3db Angle B		
HPB		



H plane (2450MHZ)

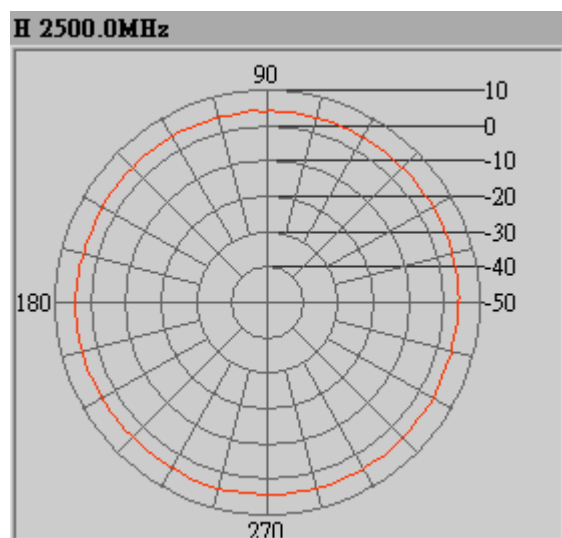
E plane (2450MHZ)



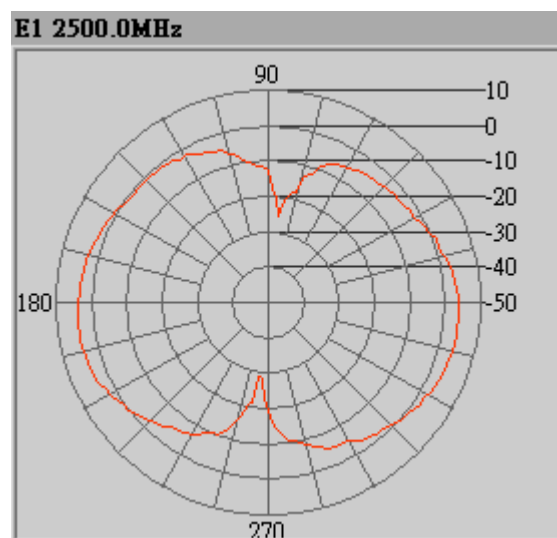
	H	E1
Max Gain	4.69	4.33
Max Gain@Angle	282	0
Min Gain	3.83	-20.8
Min Gain@Angle	172	83
Average Gain	4.3	-0.09
-3dB Angle A		
-3db Angle B		
HPB		



H plane (2500MHZ)



E plane (2500MHZ)



	H	E1
Max Gain	4.38	4.18
Max Gain@Angle	116	184
Min Gain	3.68	-28.63
Min Gain@Angle	224	263
Average Gain	4.03	-0.26
-3dB Angle A		
-3db Angle B		
HPB		

SPECIFICATIONS :

Electrical Properties