

編號：

(台灣) 權億科技股份有限公司

(大陸) 聲億電子塑膠有限公司

品名： 8617 Replacement Antenna

規格： 98617+5GHz 白色 +RP SMA PLUG+下固定座印字 5GHz

料號： 98617URS000

客戶： 訊舟科技股份有限公司

客戶料號：

日期： 2014/5/30

地址： 桃園縣桃園市龍壽街 81-8 號

電話： 03-3600306

傳真： 03-3600979

地址：

電話：

傳真：

確認				客戶確認
製作	審核	核准	業務	
Haley	Matt	Hero	Mico	



權億科技股份有限公司
Master Wave Technology Co., Ltd.

承認書

APPROVAL SHEET

Customers: 訊舟科技股份有限公司

Customer Model No.:

Master Wave Model No. 98617URSX000

Product Description: 8617 Replacement Antenna

Issue Date: 2014/5/30

REV.: 00

客戶承認用印		權億承認用印	
			
核准 Approve	主管 Chief	承辦 Responsible	
Hero	Matt	Haley	

MASTER WAVE TECHNOLOGY CO., LTD.

權億科技股份有限公司

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Shengyih Electronic Plastic Co. Ltd (Shou Zhou)

聲億電子塑膠有限公司(蘇州廠)

Address: No.95 Wusong south Rd of Luzhi Town Wu zhong Area Suzhou City, China

Tel : +86-512-65046030 Fax : +86-512-65046033

Shengyih Electronic Plastic Manufactory (Dongguan)

聲億電子塑膠製品廠(東莞廠)

Address: Mu-Lun Administration Area, Changping Town, Dongguan City, Guangdong Province, China

Tel : +86-769-83914045 Fax : +86-769-83914046



Table of Contents

Item

1. Antenna Specifications

- Drawing
 - Electrical Properties
 - Mechanical Properties
-

2. Test Report

- Electrical Test
 - Pattern test
 - Antenna Efficiency
-

3. Material Certifications

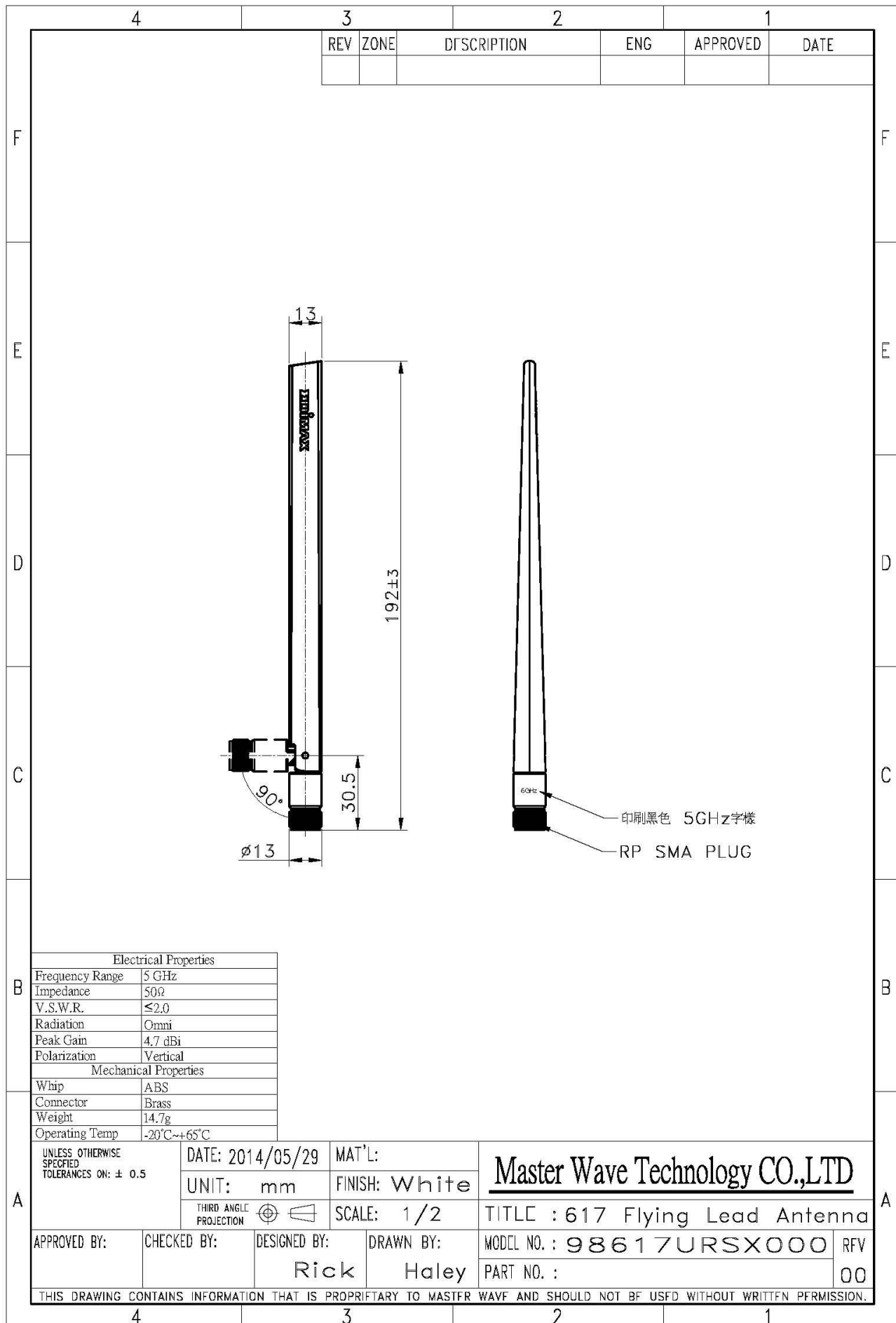
- Connector
 - Cable
-

4 Packing

- PE Bag
- Carton

Modification History:

REV.	Date	Content
00	2014/5/30	







8617 Replacement Antenna

Specification

1. Electrical Properties :

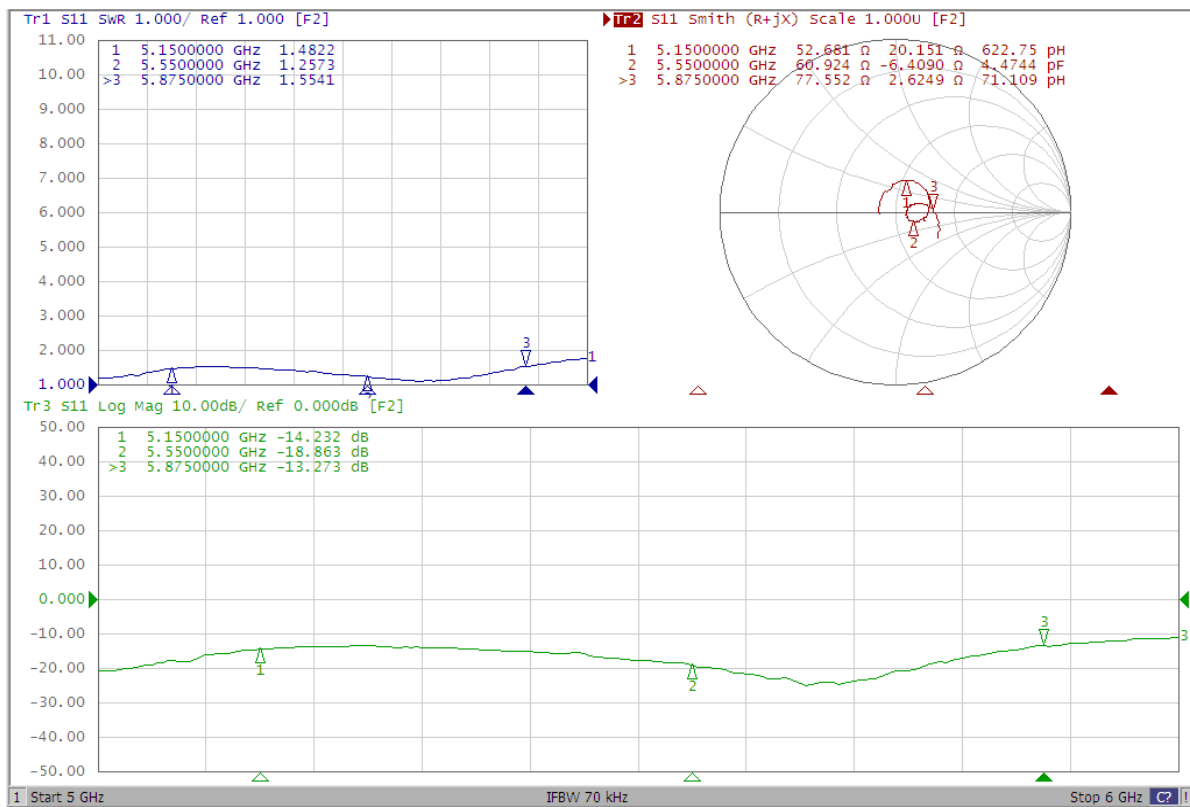
1.1	Frequency Range	.....	5 GHz
1.2	Impedance	.....	50Ω
1.3	VSWR	.....	≤2.0
1.4	Return Loss	.....	-10 dB Max
1.5	Radiation	.....	Omni
1.6	Gain	.....	4.7 dBi
1.7	Polarization	.....	Vertical
1.8	Admitted Power	.....	1W

2. Physical Properties :

2.1	Antenna Body	.....	ABS
2.2	Antenna Base	.....	ABS
2.3	Color	.....	White
2.4	Operating Temp	.....	-20°C~+65°C
2.5	Connector	.....	RP SMA PLUG

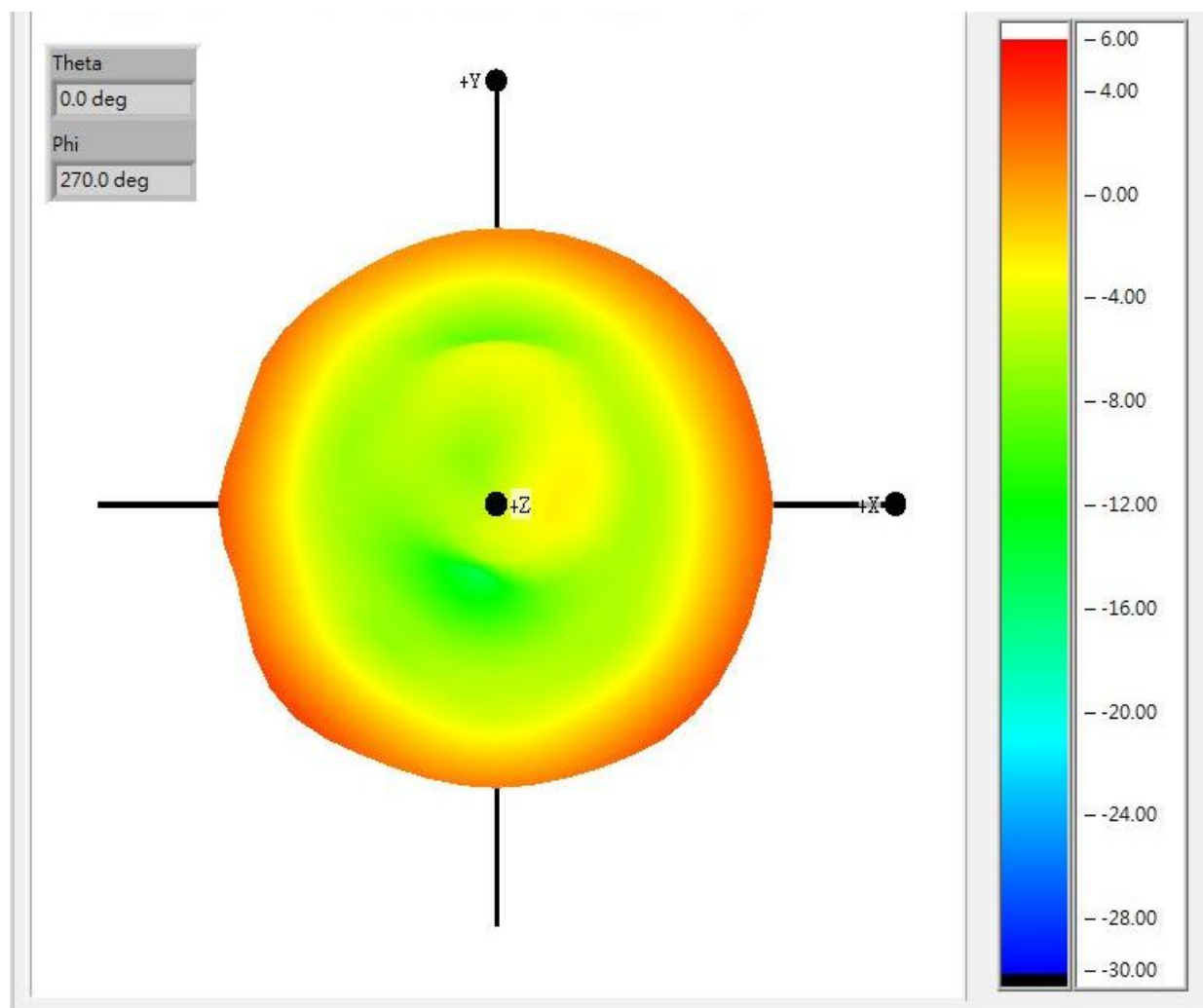


Electrical Test



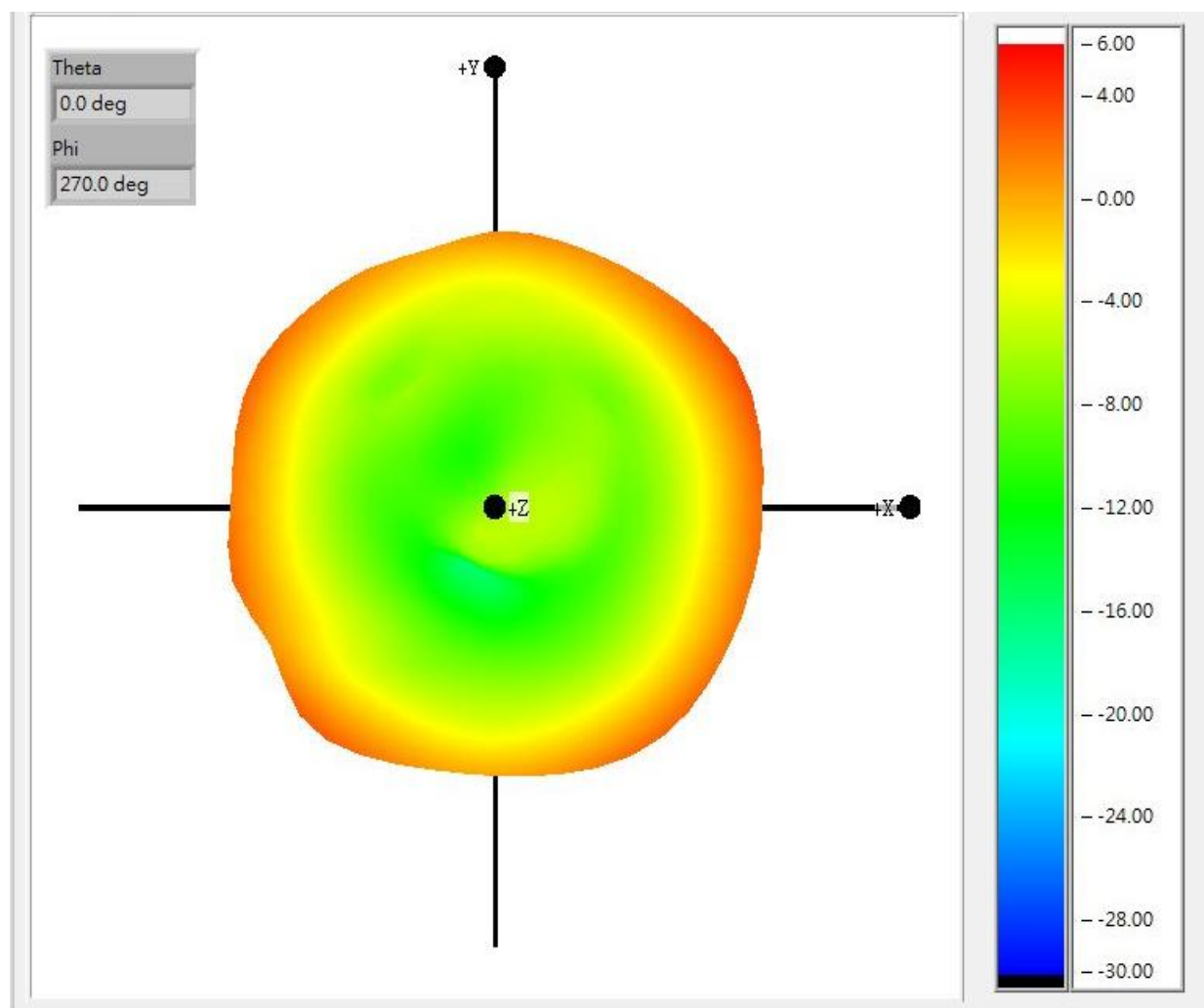


3D Radiation Pattern 5.15 GHz



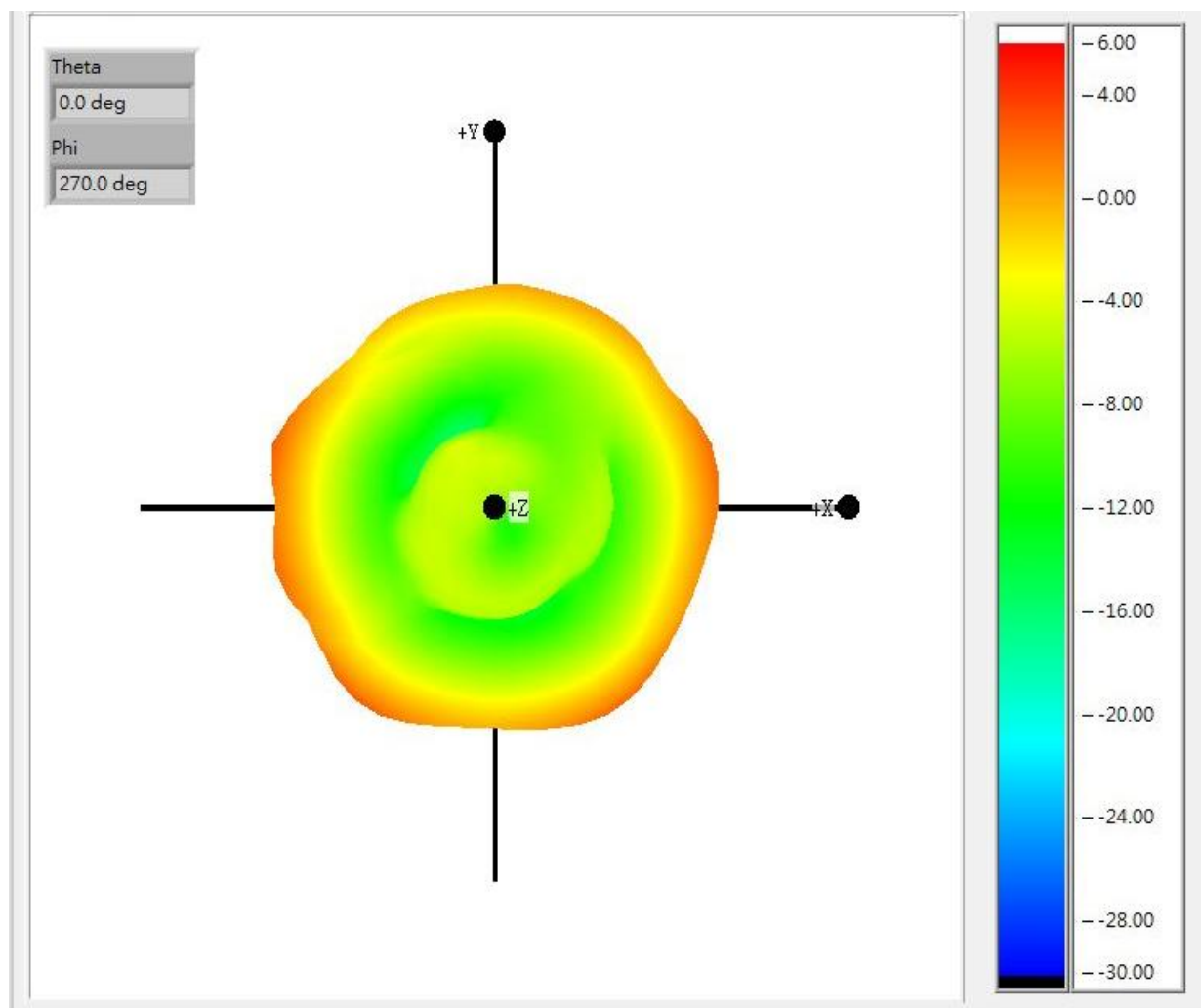


3D Radiation Pattern 5.55 GHz





3D Radiation Pattern 5.85 GHz





Antenna Efficiency

Frequency (MHz)	5150	5550	5850
Peak Gain (dBi)	4.53	4.66	4.7
Directivity (dBi)	6.49	6.6	6.58
Efficiency (dB)	-1.96	-1.94	-1.88
Efficiency (%)	63.73	64.03	64.93



Connector

SMA

Electrical Properties	Impedance	50 ohm
	Frequency Range	0~6 GHz
	V.S.W.R	≤ 1.5
	Working Voltage	$\leq 170V_{rms}$
	Dielectric Withstanding	$\leq 500 V_{rms}$
	Voltage Insulation Resistance	≥ 2000 Megohms
	Contact Resistance	Center contact: 3.0 Milliohms (Max.) Outer contact: 2.0 Milliohms (Max.)
	Recommended coupling nut torque	4.0 in. lbs. ~ 8.8in. lbs.
	Coupling nut retention force	≥ 60 lbs.
	Contact captivation axial	≥ 6 lbs.
	Coupling Proof Torque	15 in-1bs.min

Operating Temperature	-65°C ~ +165°C
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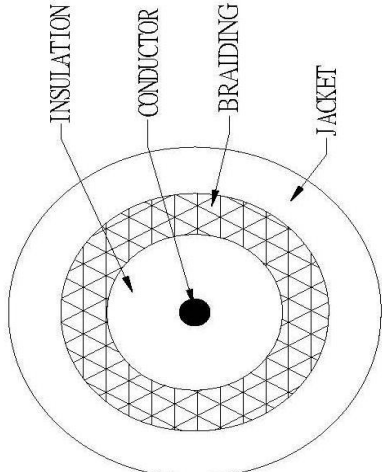
Material Specifications	Material Data	Material
	Body	Brass
	Center Contact	Brass
	Insulator	Teflon



線材規格

CABLE SPECIFICATION

SPECIFICATION: RG178 CABLE			CONSTRUCTION D.W.G		
ITEM		SPECIFICATION			
CONDUCTOR	MATERIAL	Silverplated Copper coated steel Wire			
	Composition(No./mm)	7/0.102			
	NOM.O.D	0.306±0.03			
INSULATION	Material	FEP(Natural)/PTFE			
	Nom. Thick.(mm)	0.275			
	NOM.O.D	0.88±0.03			
BRAIDING	MATERIAL	Silver-coated annealed copper wire			
	Composition	Single Braid of 0.10			
JACKET	MATERIAL	FEP(*color)			
	Nom. Thick(mm)	0.25			
	Nom.O.D(mm)	1.78±0.05			
	Color	Brown			



Electrical Properties(at 20 °C)			Characteristic Impedance		Ω		50±2.0	
Item	Unit	Details	Attenuation	dB/m	1GHz	1.70		
					2GHz	2.42		
					3GHz	3.08		
					4GHz	3.63		
					5GHz	4.15		
6GHz	4.80							
Conductor Resistance	Ω/km	Max.800	Temperature range	°C	-55~150			
					Insulation Resistance	MΩ.km	Min.500	Standing wave(0-6GHz)	/	≦1.35
Dielectric Strength	V(AC)/min	1000	REMARK					
				Capacitance	pF/m	105(1kHz)		
MASTER WAVE TECHNOLOGY CO., LTD.								
CHECKED			DATE			2012/11/29		
DRAWING			Charlene			REV 00		



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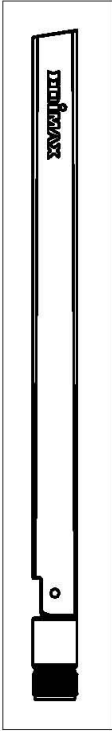
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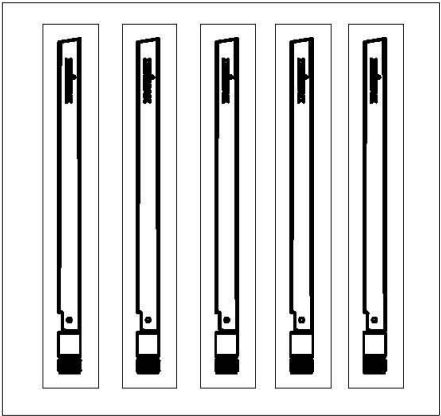
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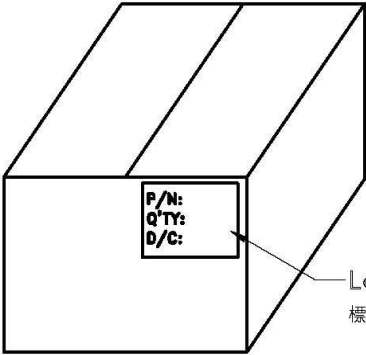
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1PCS ANTENNA OF A BAG



50PCS ANTENNA OF A BIG BAG



Label
標籤Label貼於外箱側面

DATE:		MAT'L:		Master Wave Technology CO.,LTD			
UNIT: mm		FINISH:					
THIRD ANGLE PROJECTION 		SCALE: -		TITLE : 8617 Replacement Antenna Packing			
APPROVED BY:	CHECKED BY:	DESIGNED BY:	DRAWN BY:	MODEL NO. :		RFV	
				PART NO. :		00	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MASTER WAVE AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

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