

承認書

APPROVAL

廠 商 恩嘉科技股份有限公司

CUSTOMER

料 號 7102A0428000

PART NO.

品 名 ANT DIPOLE 2.4/5GHz 3/5dBi
98614PRSX000 BLACK LFP

PARTNAME

生產廠商 權億科技股份有限公司

COMPANY

備 註 98614PRSX000

PART NO

日 期 2020/4/27

DATE

產品重量(g):

18.52g

WEIGHT

產品主要材質:

ABS

MAIN MATERIAL

公 司 權億科技股份有限公司

COMPANY

地 址 桃園市中壢區合圳北路19號

ADDRESS

電 話 :

03-452-9998

傳 真 :

03-452-2866

TELEPHONE

FAX



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

承認書

APPROVAL SHEET

Customers: 恩嘉科技股份有限公司

Customer Model No.:

Master Wave Model No.: 98614PRSX000

Product Description: 8614 Replacement Antenna

Issue Date: 2020/4/27

REV.: 00

客戶承認用印 Customer Approved		權億承認用印 Confirmation Signature	
			
核准 Approve	主管 Chief	承辦 Responsible	
Hero	Larry	Alice	

MASTER WAVE TECHNOLOGY CO., LTD.

權億科技股份有限公司

Address: No. 19, Hezun N. Rd., Zhongli Dist., Taoyuan City 320, Taiwan (R.O.C.)

Tel: +886-3-4529998 Fax: +886-3-4522866

Suzhou Shengyih Electronics 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 Co. Ltd (Dongguan)

聲億電子有限公司 (東莞廠)

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

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



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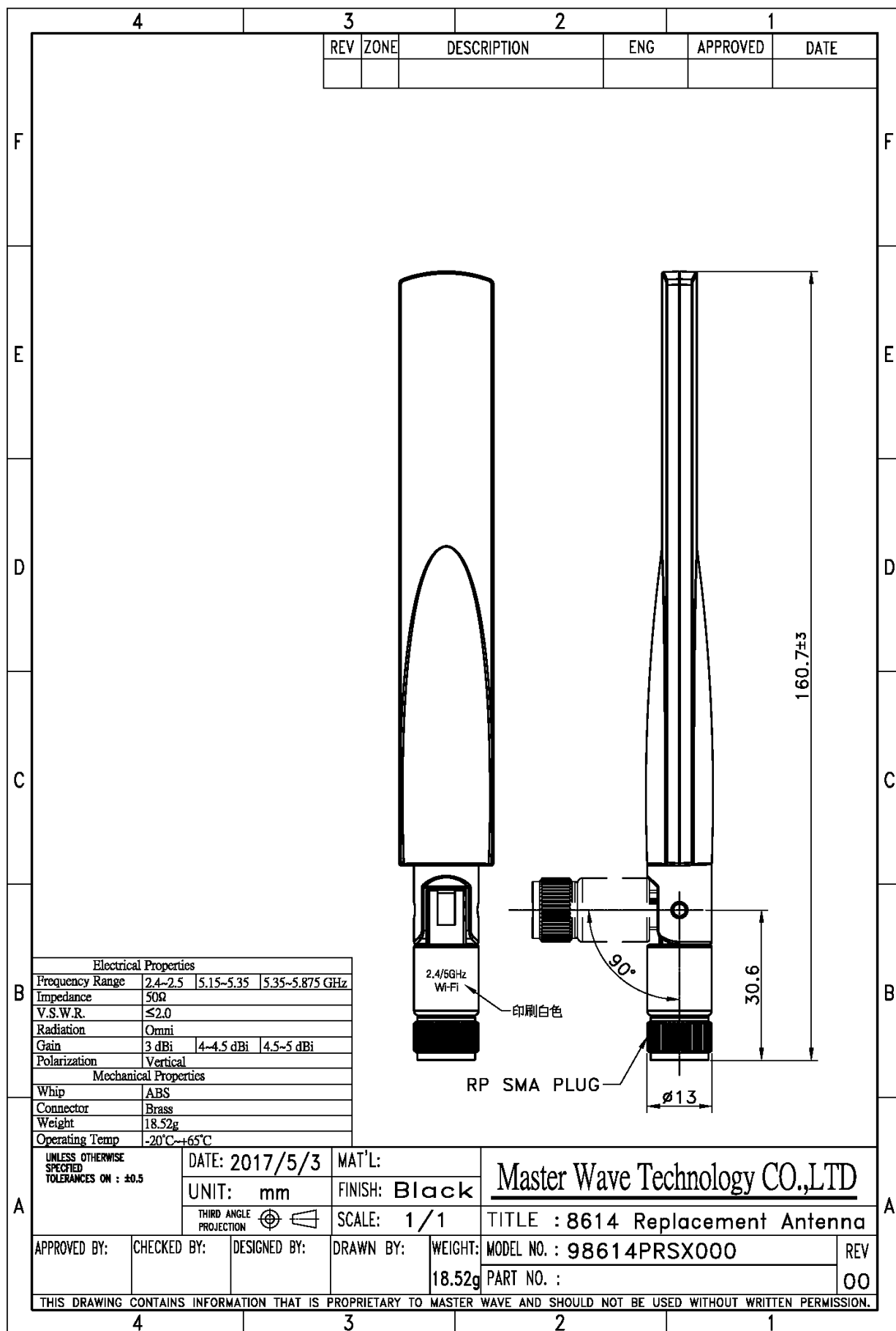
4. Packing

-PE Bag

-Carton

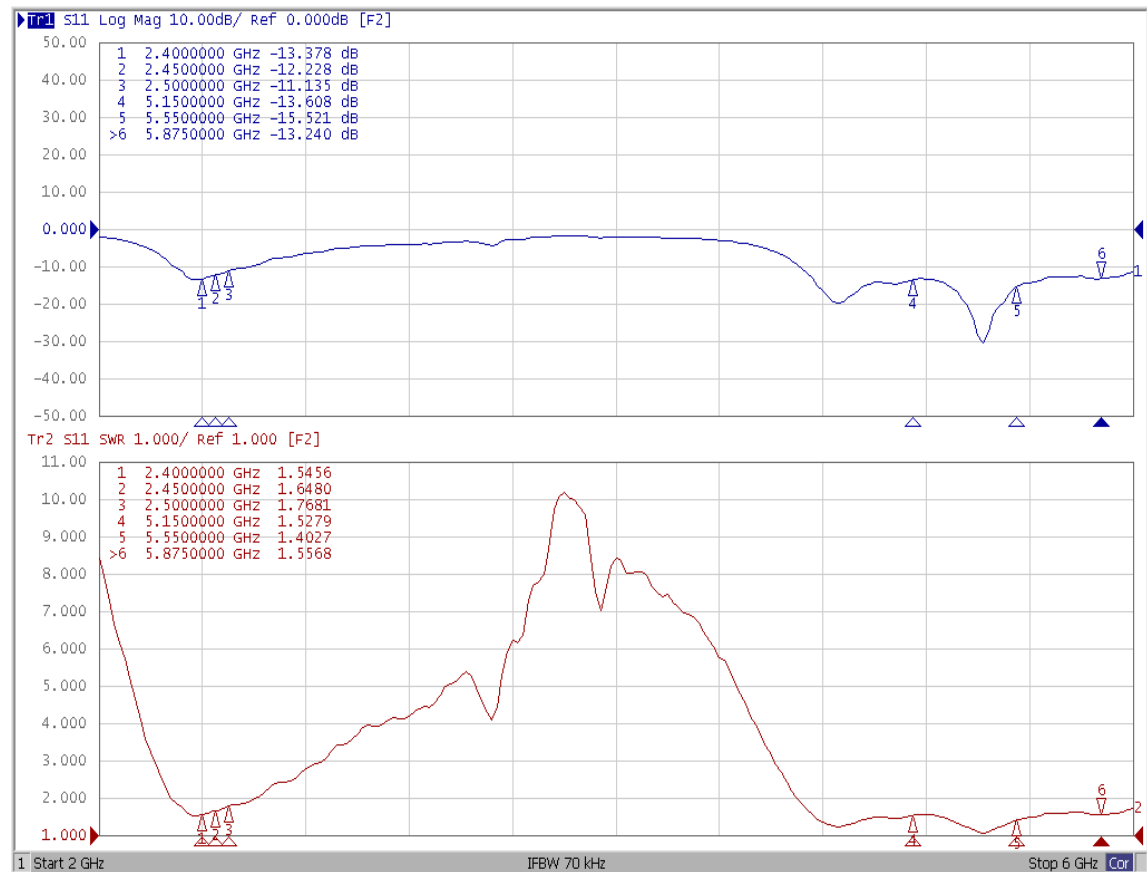
Modification History:

REV.	Date	Content
00	2020/4/27	





Electrical Test



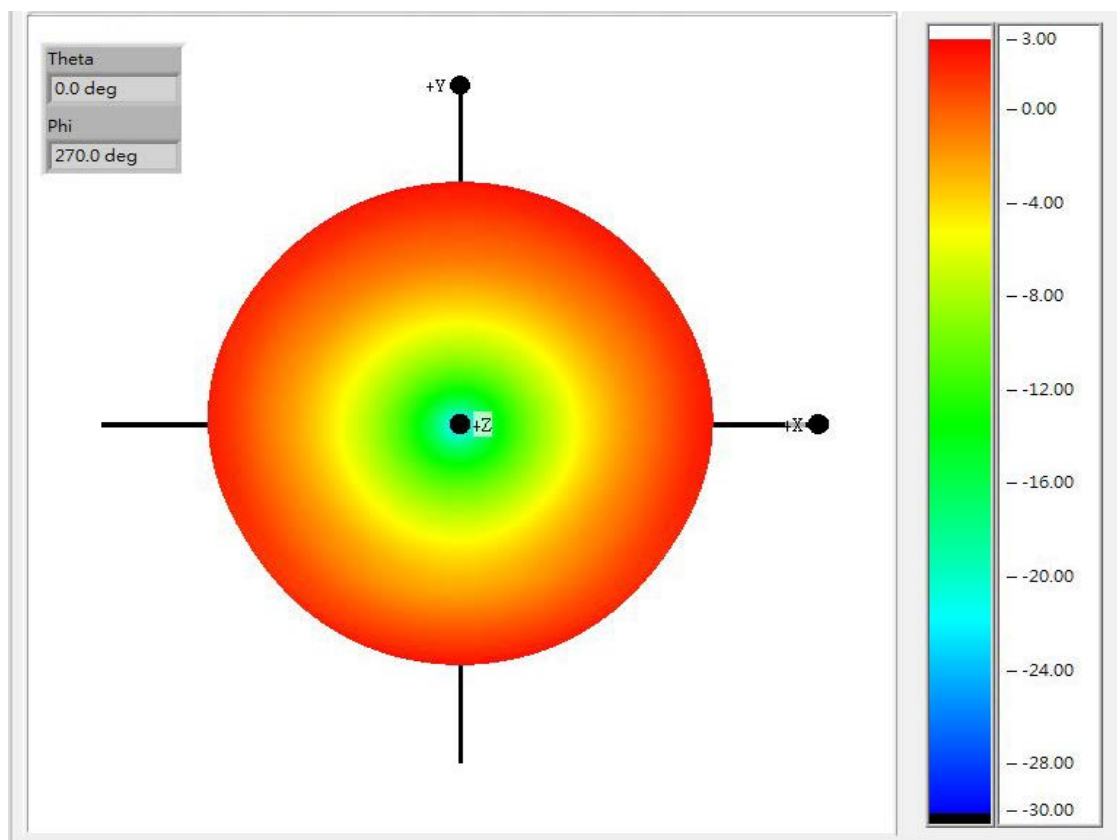


Antenna Efficiency

Frequency (MHz)	2400	2450	2500	5150	5550	5875
Peak Gain (dBi)	2.44	2.15	2.21	4.10	4.41	4.73
Efficiency (%)	75.6	74.51	73.14	62.21	60.56	64.57

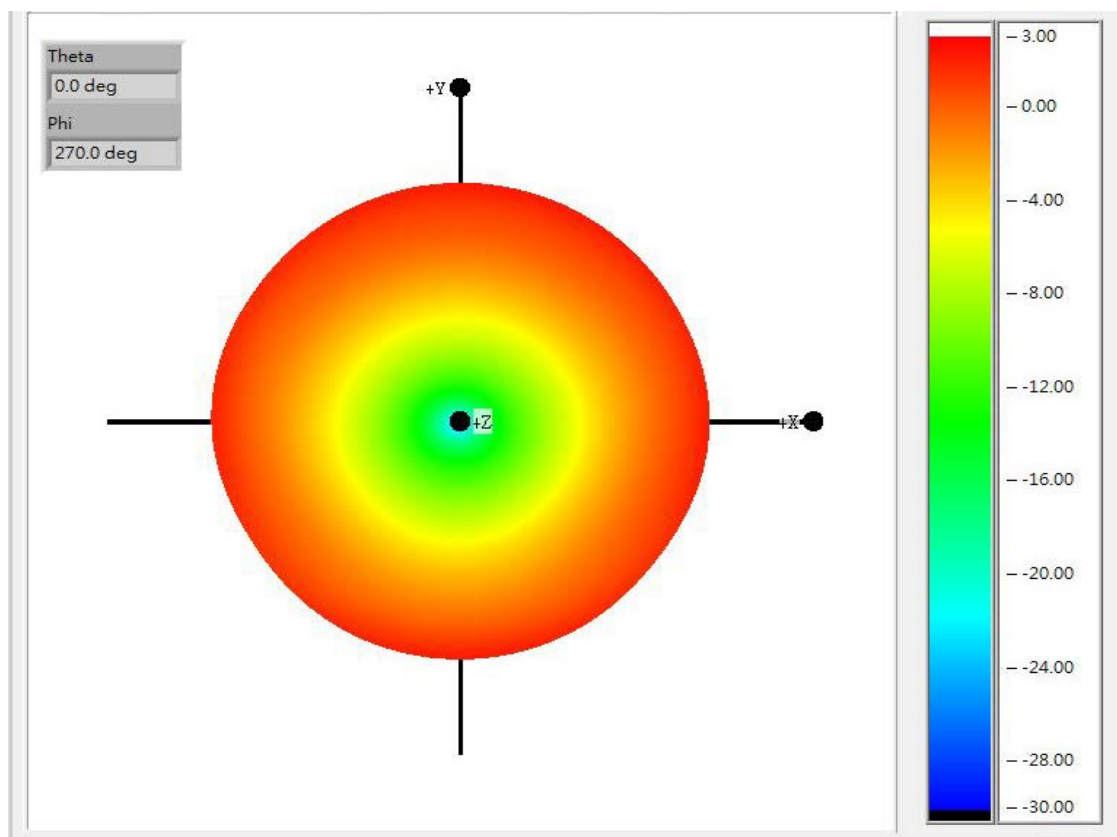


3D Radiation Pattern 2.4 GHz



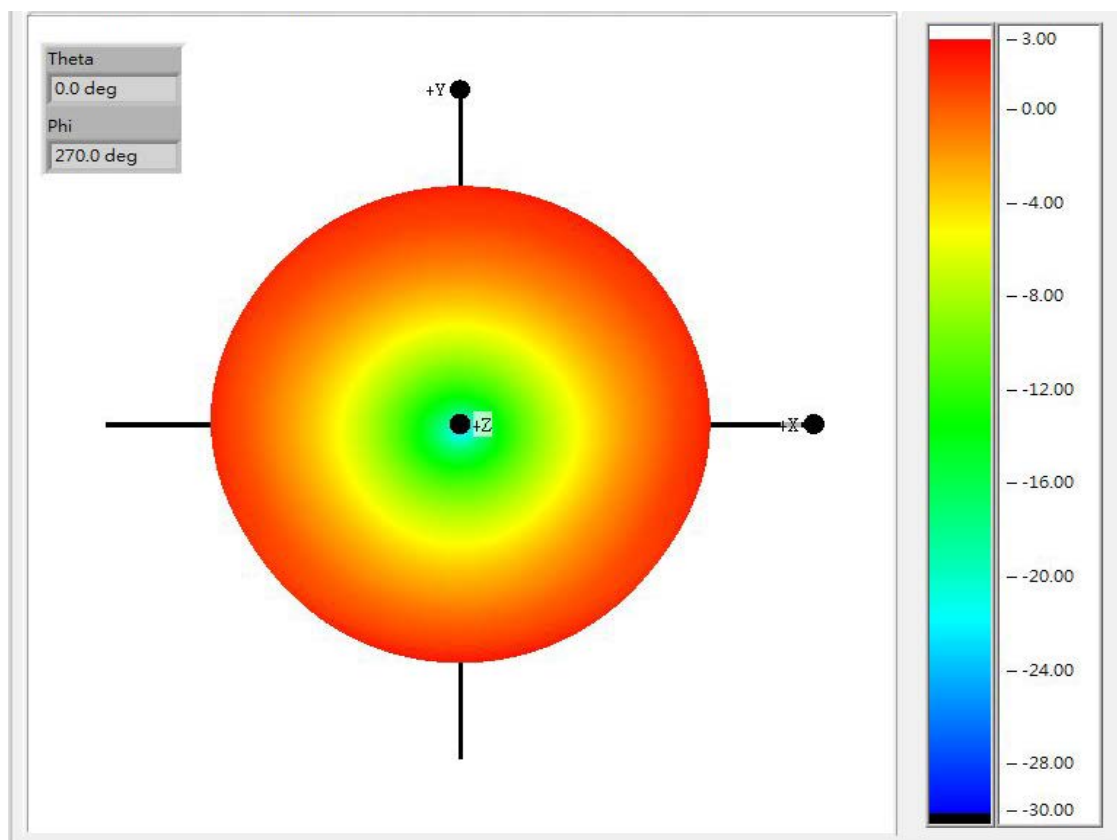


3D Radiation Pattern 2.45 GHz



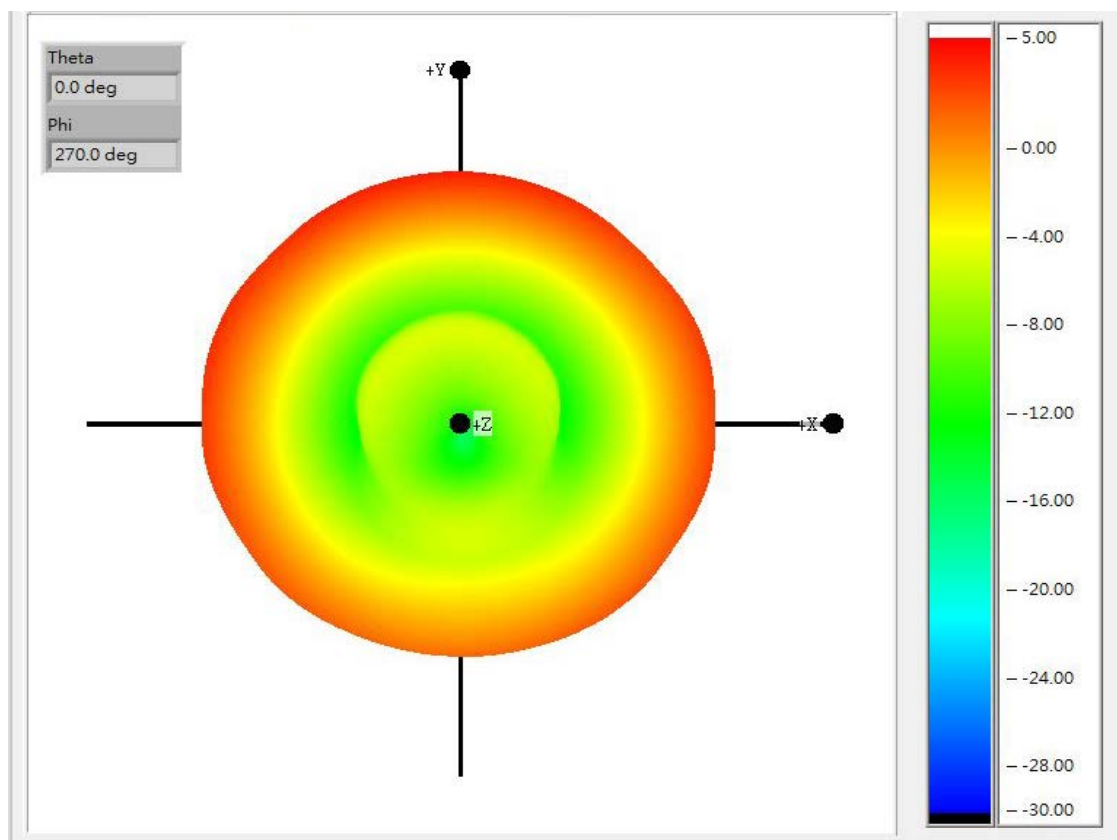


3D Radiation Pattern 2.5 GHz



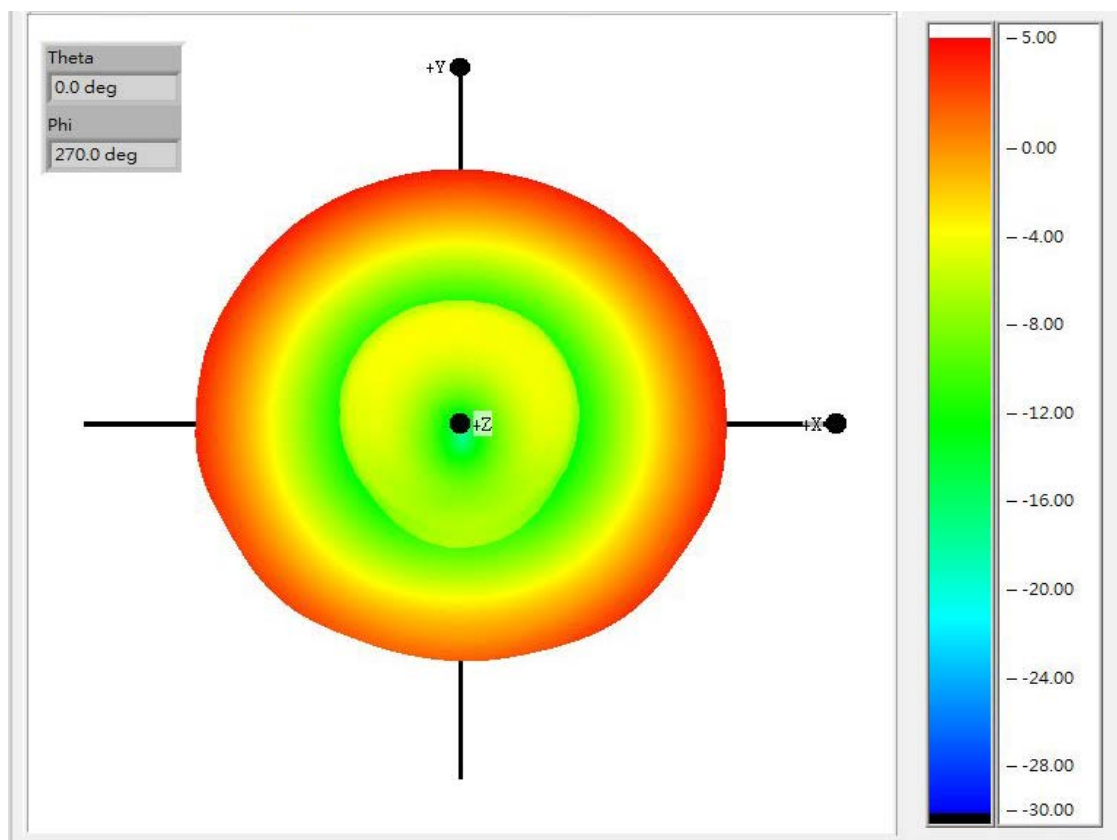


3D Radiation Pattern 5.15 GHz



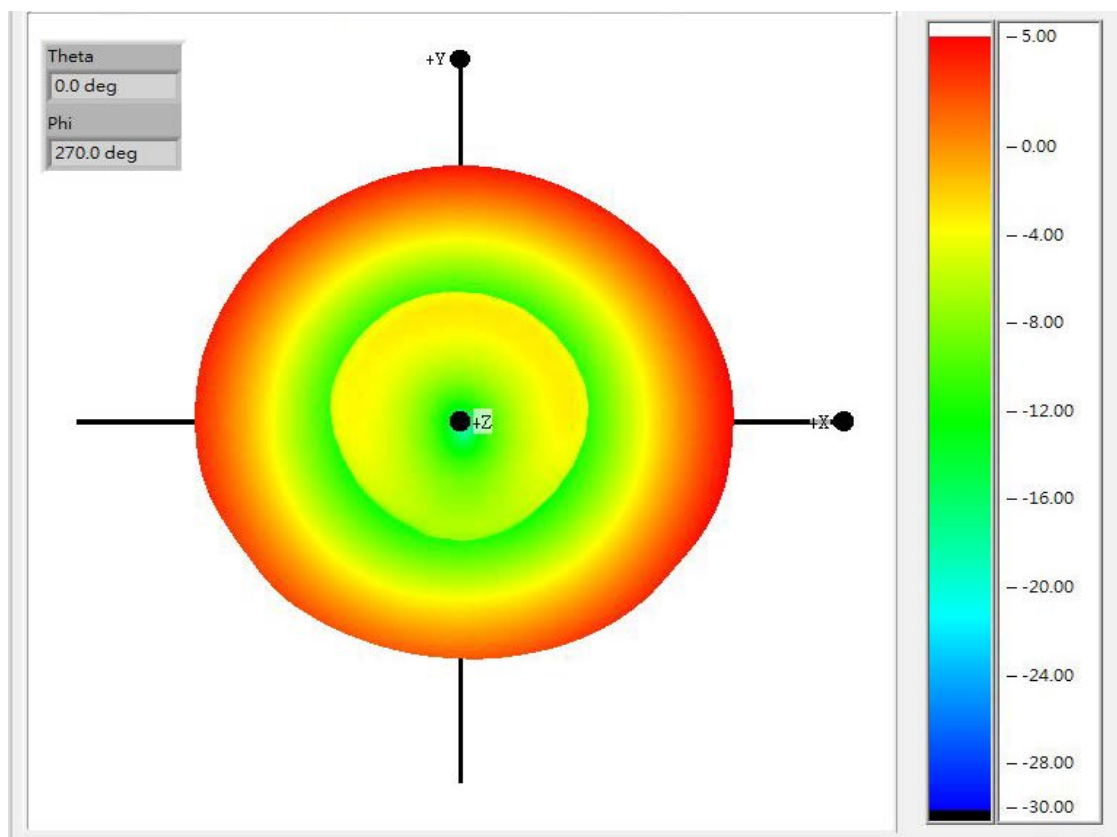


3D Radiation Pattern 5.55 GHz





3D Radiation Pattern 5.875 GHz





Connector

SMA

Electrical Properties	Impedance	50 ohm
	Frequency Range	0~6 GHz
	V.S.W.R	≤ 1.5
	Working Voltage	$\leq 170\text{Vrms}$
	Dielectric Withstanding	$\leq 500\text{ Vrms}$
	Voltage Insulation Resistance	$\geq 2000\text{ Megohms}$
	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	$\geq 60\text{ lbs.}$
	Contact captivation axial	$\geq 5\text{ lbs.}$
	Coupling Proof Torque	15 in-1lbs.min

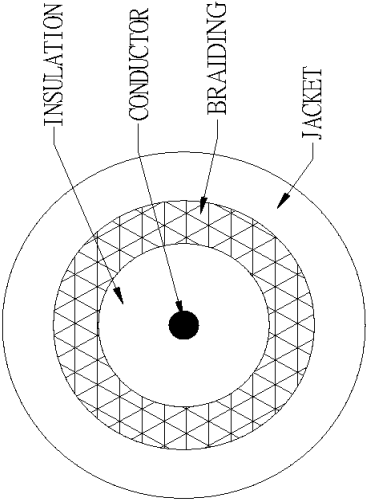
Operating Temperature	-65°C ~ +165°C
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Material Specifications	Material Data	Material
	Body	Brass
	Center Contact	Brass
	Insulator	Teflon

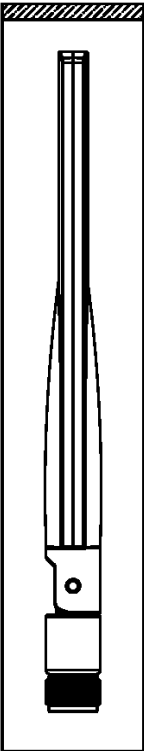
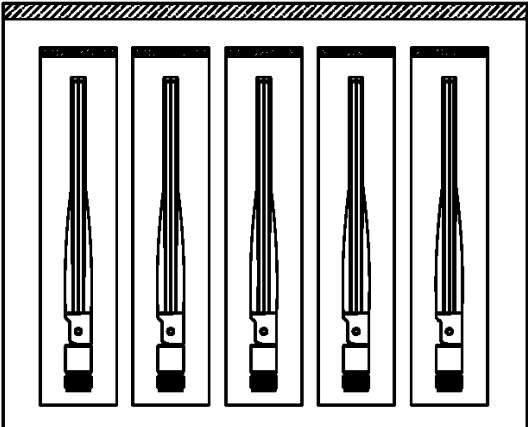
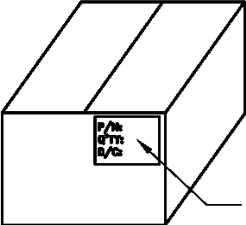


線材規格

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	0.86±0.03			
BRAIDING	MATERIAL	Silver-coated annealed copper wire			
	Composition	16*3/0.1; Coverage ≥ 90%			
	MATERIAL	FEP(*color)			
JACKET	Nom. Thick(mm)	0.25			
	Nom.O.D(mm)	1.78±0.05			
	Color	Brown			
					
Electrical Properties(at 20℃)					
Characteristic Impedance		Ω	50±2.0		
Attenuation	dB/m	1GHz	1.70		
		2GHz	2.42		
		3GHz	3.08		
		4GHz	3.63		
		5GHz	4.15		
Temperature range	℃	6GHz	4.80		
		-55~150			
Standing wave(0-6GHz)		/	≤1.35		
REMARK					
MASTER WAVE TECHNOLOGY CO., LTD.					
CHECKED	Charlene	DATE	2013/8/8		
DRAWING		REV	01		



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D								D																																		
C	50PCS ANTENNA OF A BIG BAG AND SEAL (50個天線裝入大袋子並封口)							C																																		
B	 Outside the carton : Stick the label on the upper right side (紙箱外：將標籤黏貼在右上方)							B																																		
A	<table border="1"><tr><td colspan="2">DATE:</td><td colspan="2">MAT'L:</td><td colspan="3" rowspan="2">Master Wave Technology CO.,LTD</td></tr><tr><td colspan="2">UNIT: mm</td><td colspan="2">FINISH:</td></tr><tr><td colspan="2">THIRD ANGLE PROJECTION</td><td colspan="2">SCALE: -</td><td colspan="3">TITLE : 8619 Replacement Antenna Packing</td></tr><tr><td>APPROVED BY:</td><td>CHECKED BY:</td><td>DESIGNED BY:</td><td>DRAWN BY:</td><td>WEIGHT:</td><td>MODEL NO. : 98614PRSX000</td><td colspan="2">REV</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>PART NO. :</td><td colspan="2">00</td></tr></table>							DATE:		MAT'L:		Master Wave Technology CO.,LTD			UNIT: mm		FINISH:		THIRD ANGLE PROJECTION		SCALE: -		TITLE : 8619 Replacement Antenna Packing			APPROVED BY:	CHECKED BY:	DESIGNED BY:	DRAWN BY:	WEIGHT:	MODEL NO. : 98614PRSX000	REV							PART NO. :	00		A
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MASTER WAVE AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.																																										
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