

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



Table of Contents

Item

1. Antenna Specifications

-Drawing

2. Test Report

-Electrical test

-Antenna Efficiency

-Pattern test

3. Material Certifications

-Connector

-Cable

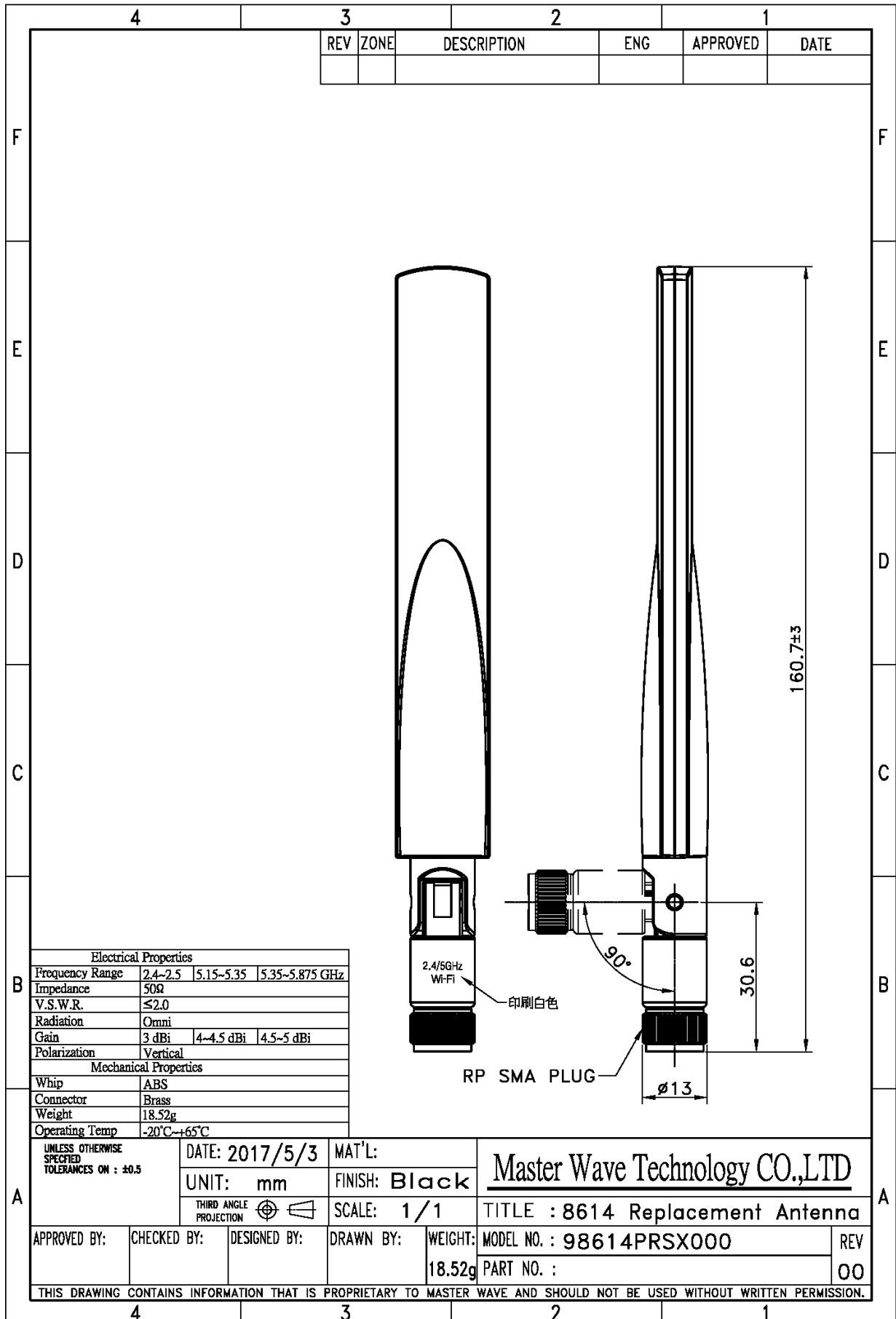
4. Packing

-PE Bag

-Carton

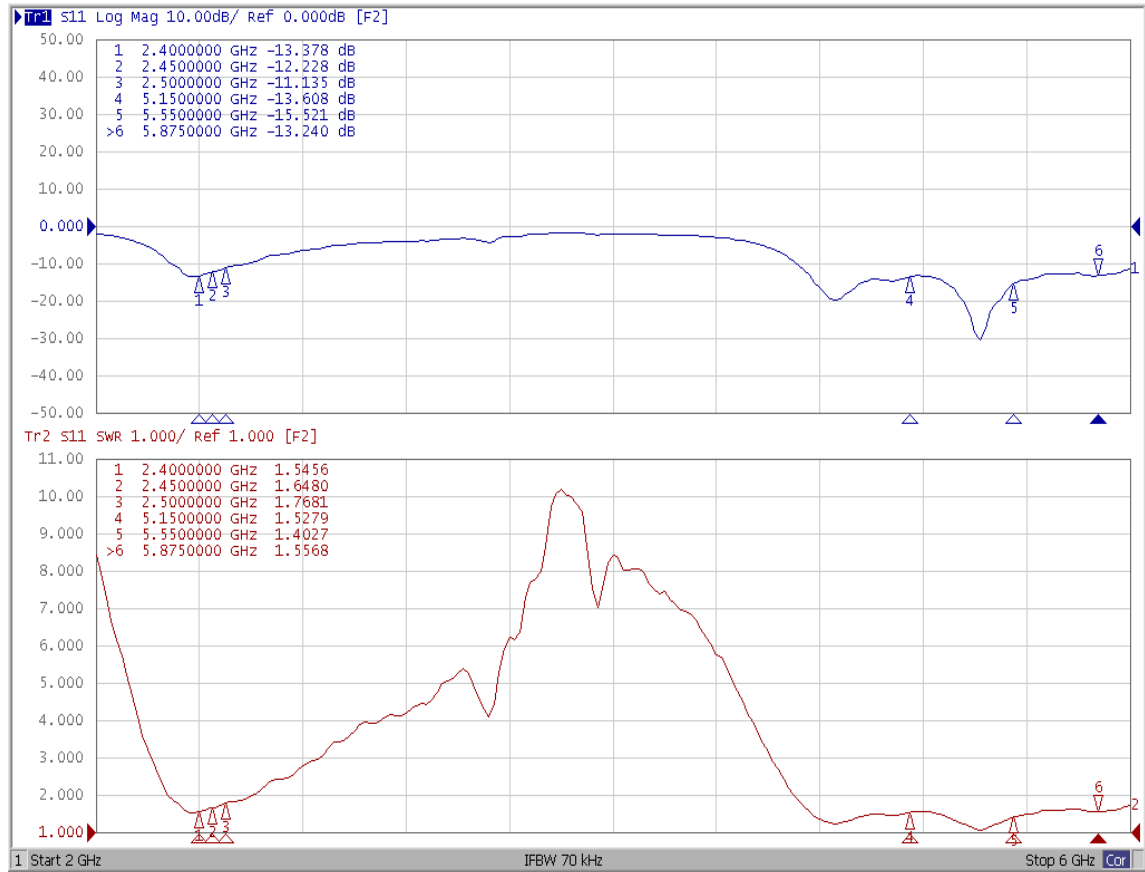
Modification History:

REV.	Date	Content
00	2020/4/27	





Electrical Test



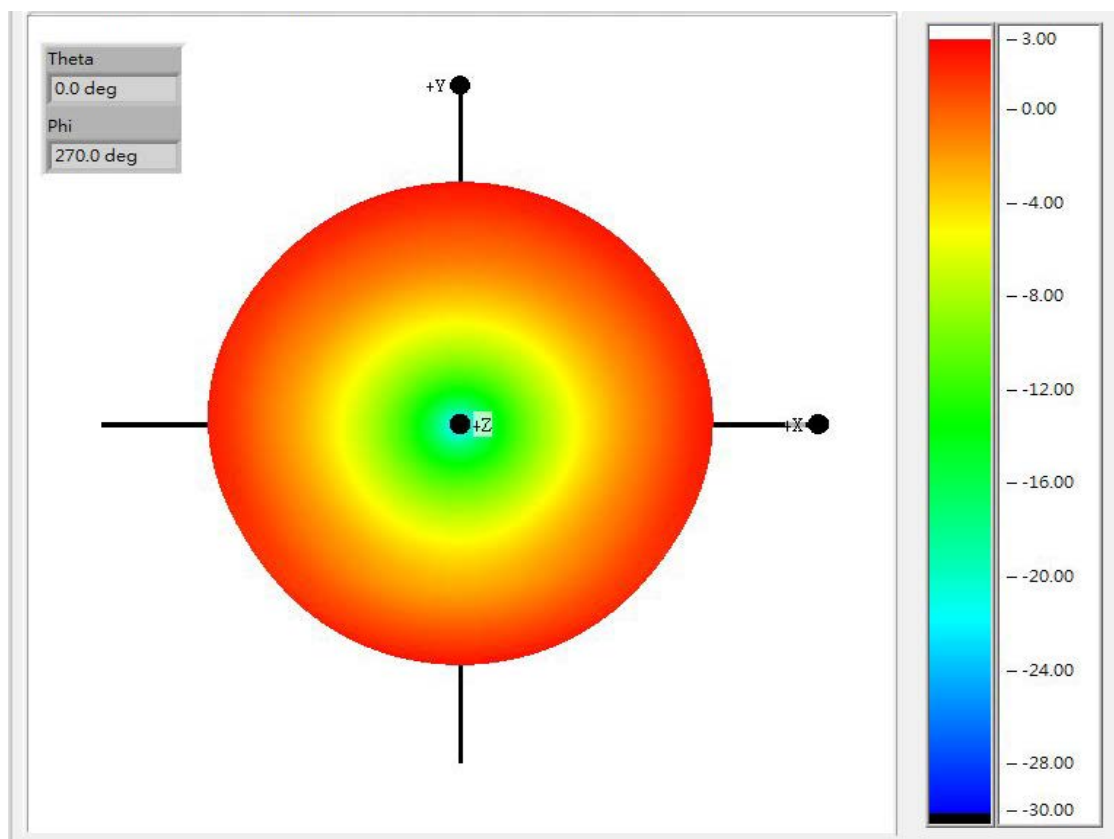


Antenna Efficiency

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

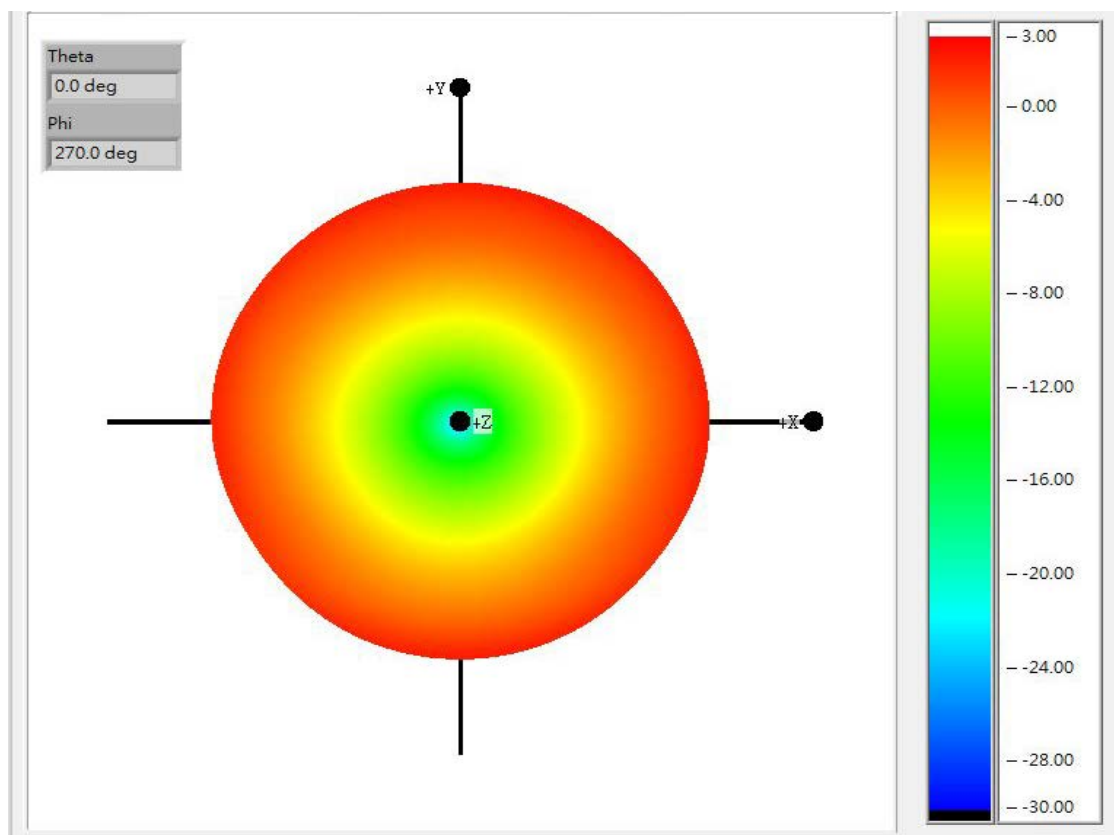


3D Radiation Pattern 2.4 GHz



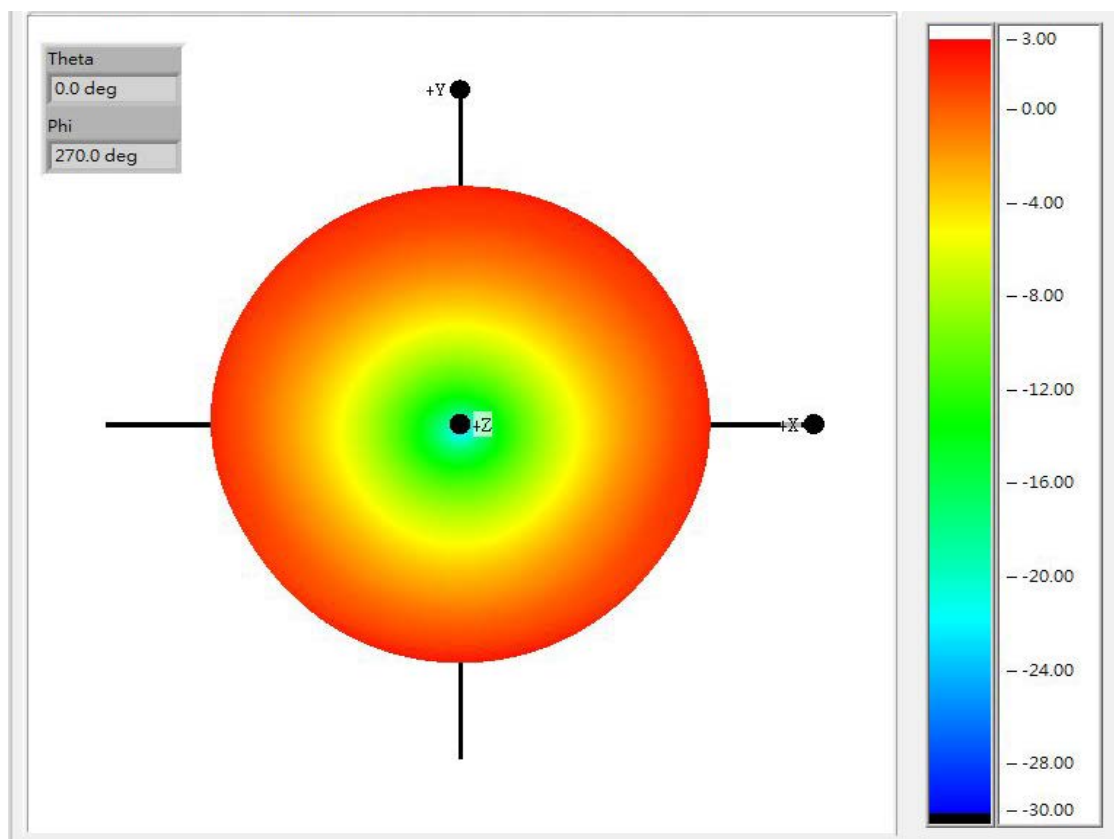


3D Radiation Pattern 2.45 GHz



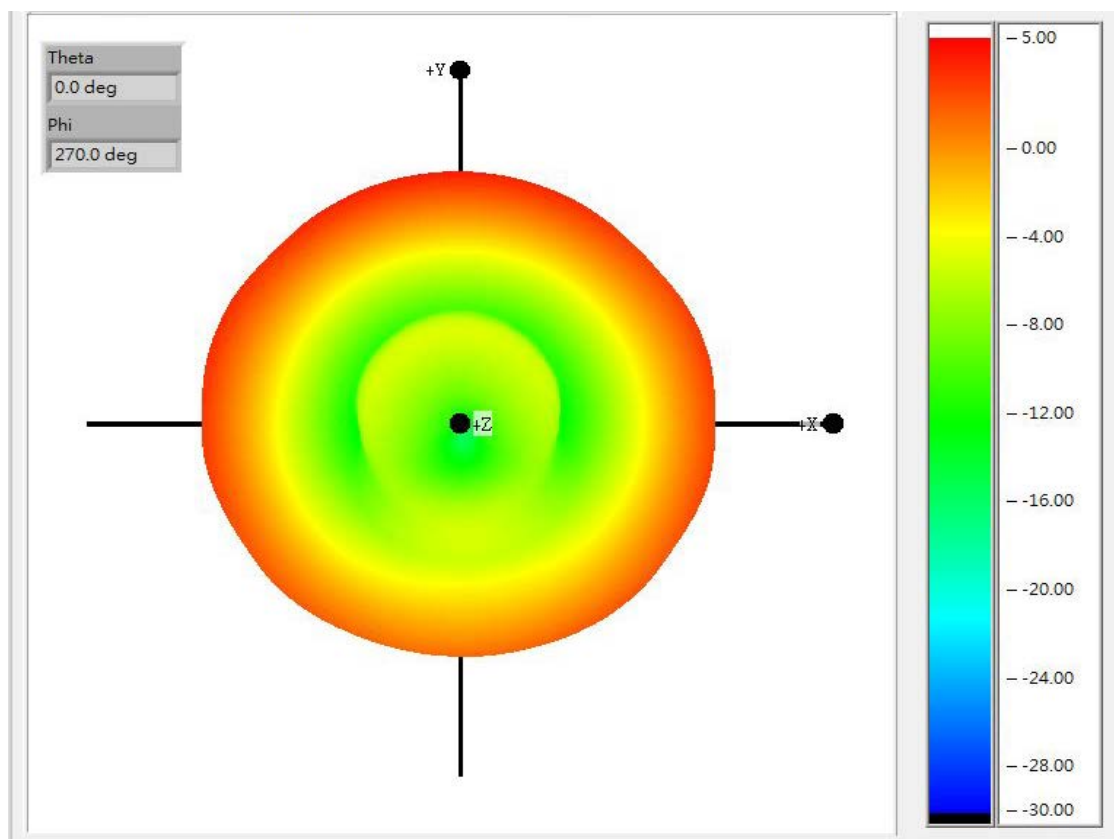


3D Radiation Pattern 2.5 GHz



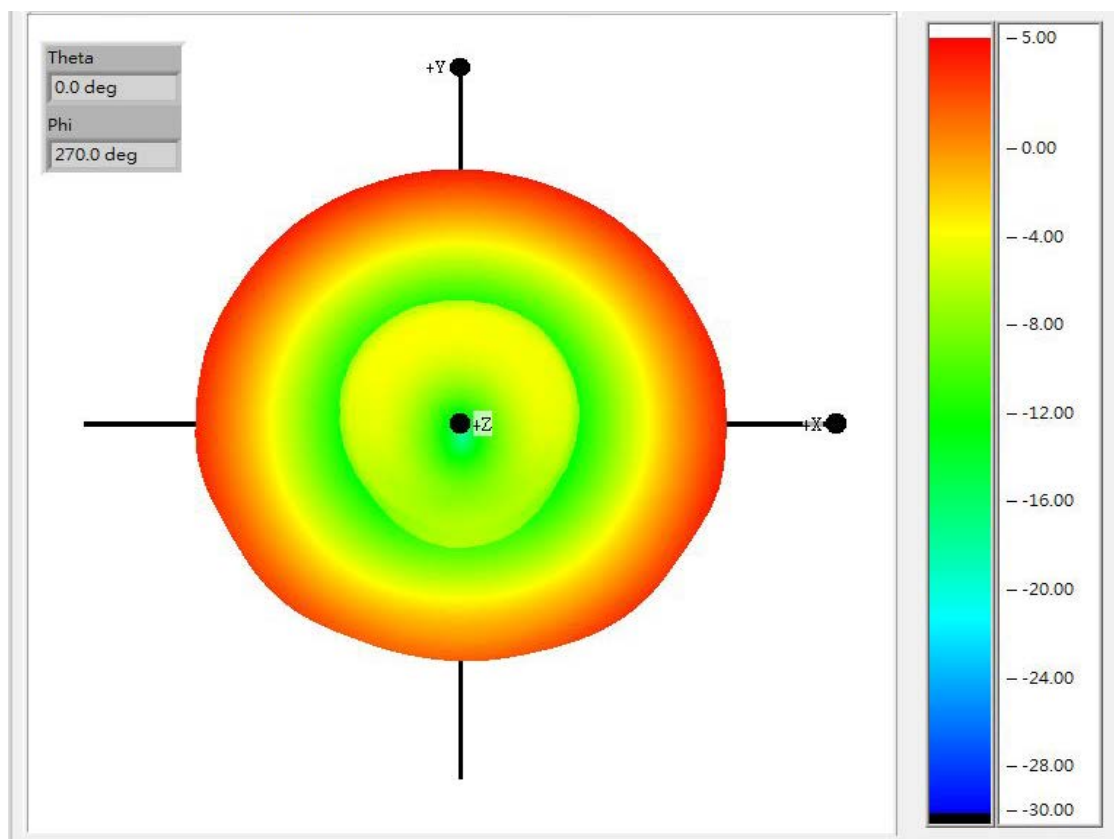


3D Radiation Pattern 5.15 GHz



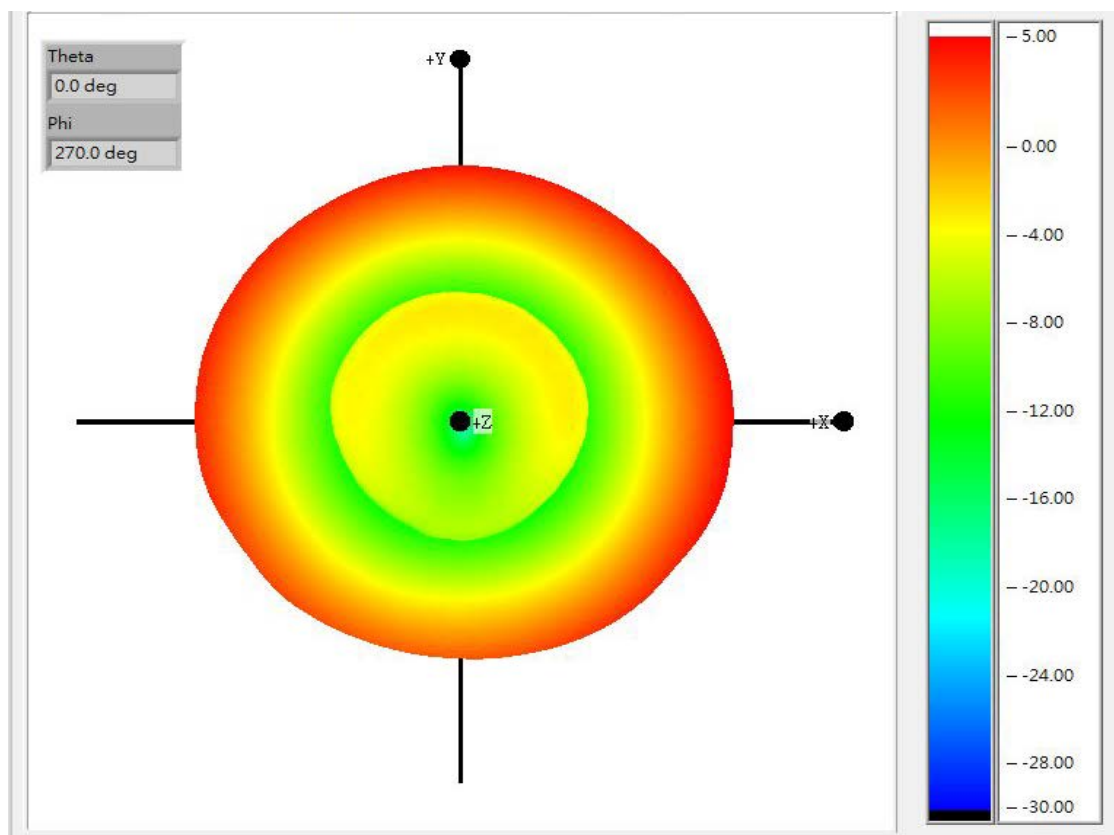


3D Radiation Pattern 5.55 GHz





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	$\leq 170V_{rms}$
	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	≥ 5 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	
INSULATION	NOM.O.D	0.306±0.03	
	Material	FEP(Natural)/PTFE	
	Norm. Thick.(mm)	0.275	
BRAIDING	NOM.O.D	0.86±0.03	
	MATERIAL	Silver-coated annealed copper wire	
JACKET	Composition	16*3/0.1; Coverage ≥ 90%	
	MATERIAL	FEP(*color)	
	Norm. Thick(mm)	0.25	
	Norm. O.D(mm)	1.78±0.05	
	Color	Brown	
Electrical Properties(at 20°C)			
Item	Unit	Details	
Conductor Resistance	Ω/km	Max.800	1.70
Insulation Resistance	MΩ.km	Min.500	2.42
Dielectric Strength	V(AC)/min	1000	3.08
Capacitance	pF/m	105(1kHz)	3.63
REMARK			
Characteristic Impedance		Ω	50±2.0
Attenuation		dB/m	1GHZ 2GHZ 3GHZ 4GHZ 5GHZ 6GHZ
Temperature range		°C	-55~150
Standing wave(0-6GHz)		/	≦ 1.35
MASTER WAVE TECHNOLOGY CO., LTD.			
CHECKED	Charlene	DATE	2013/8/8
DRAWING		REV	01

