



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

承認書

APPROVAL SHEET

Customers: 神準科技股份有限公司

Customer Model No.: 7102A0414000

Master Wave Model No. 98143URSX000

Product Description: 8143 Replacement Ant.

Issue Date: 2016/5/4

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	Mango	

MASTER WAVE TECHNOLOGY CO., LTD.

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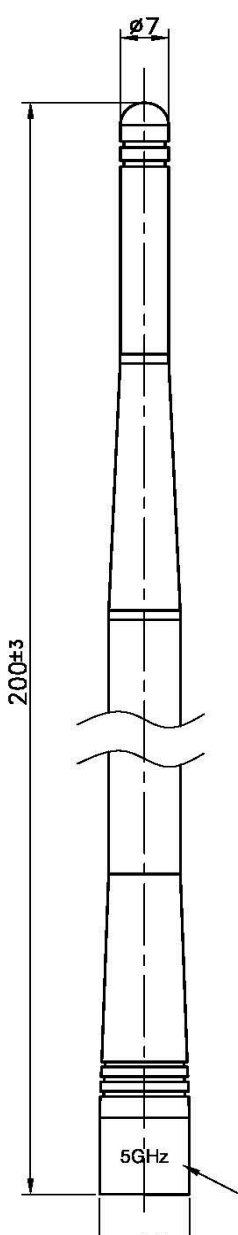
-PE Bag

-Carton

Modification History:

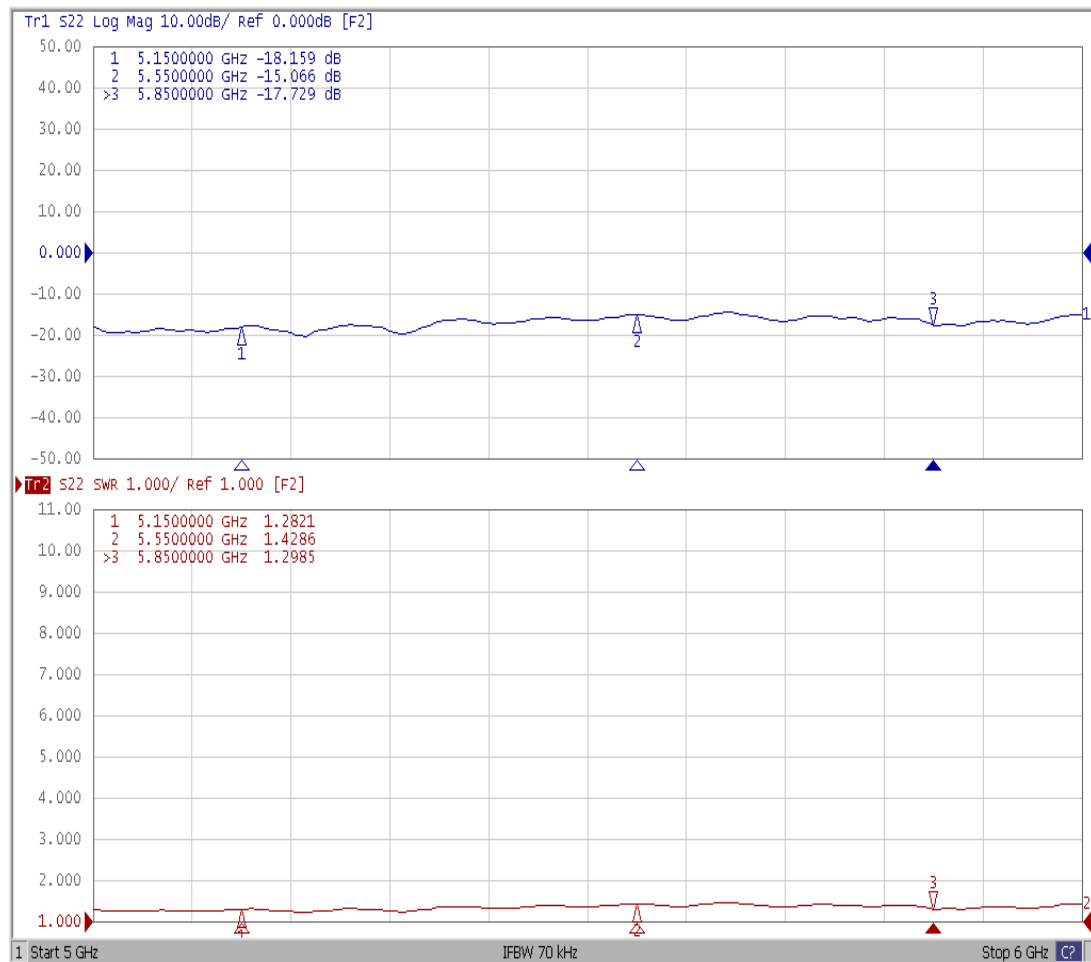
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Electrical Test



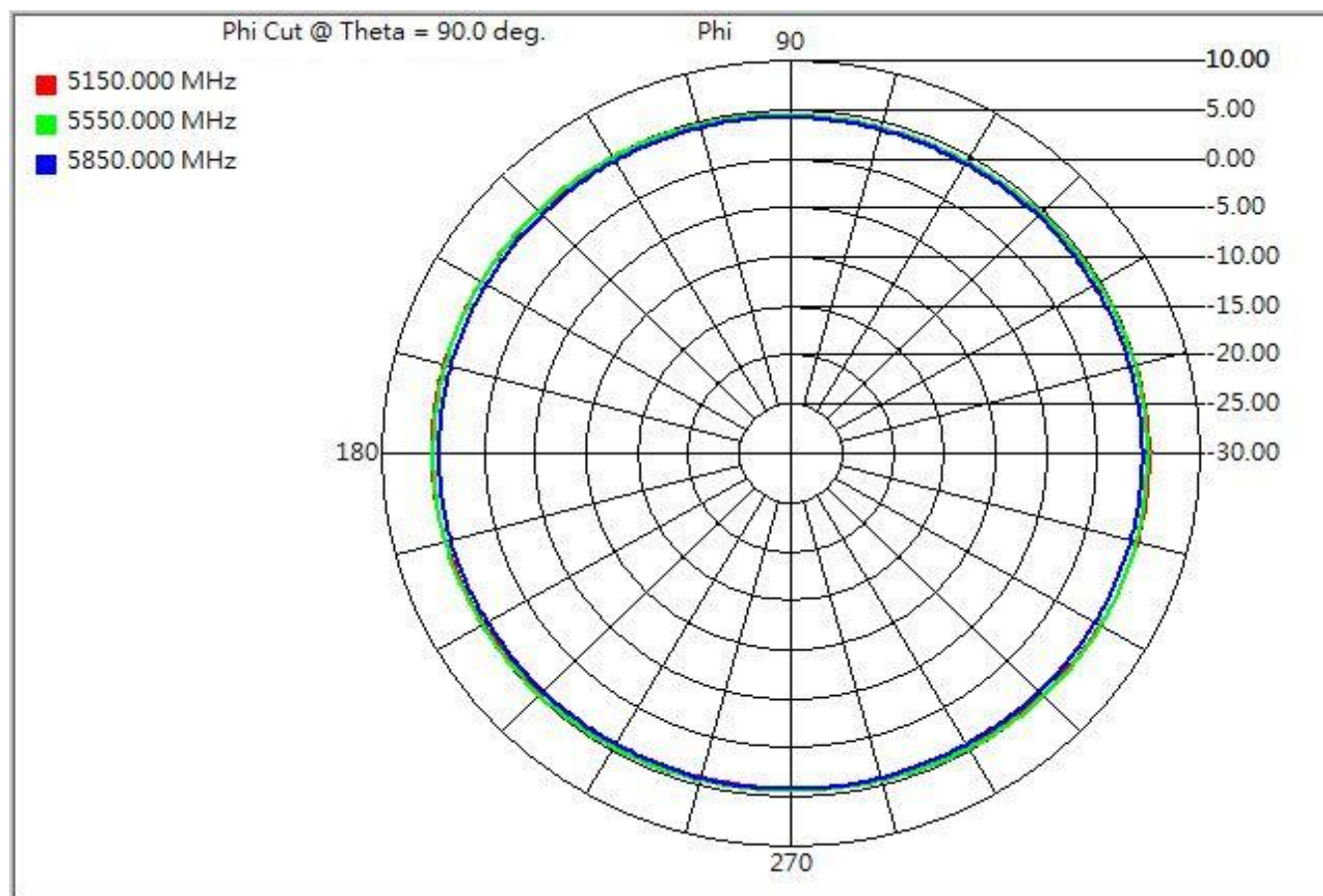


Antenna Efficiency

Frequency (MHz)	5150	5550	5850
Peak Gain (dBi)	5.12	5.09	5.17
Directivity (dBi)	6.51	6.44	6.43
Efficiency (dB)	-1.39	-1.35	-1.26
Efficiency (%)	72.54	73.12	74.65

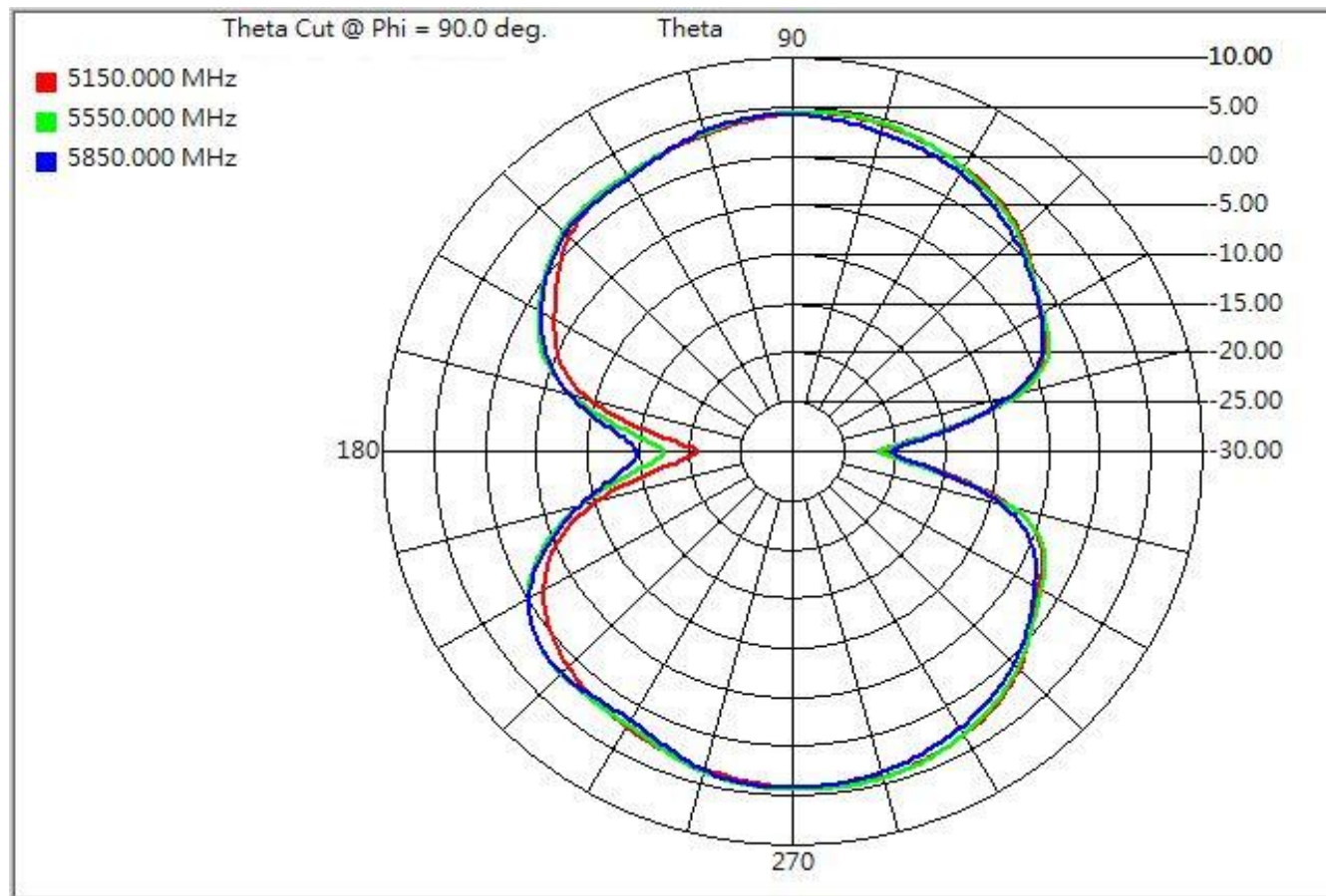


2D Radiation Pattern H-Plan





2D Radiation Pattern E-Plan





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	$\geq 6\text{ lbs.}$
	Coupling Proof Torque	15 in-1bs.min

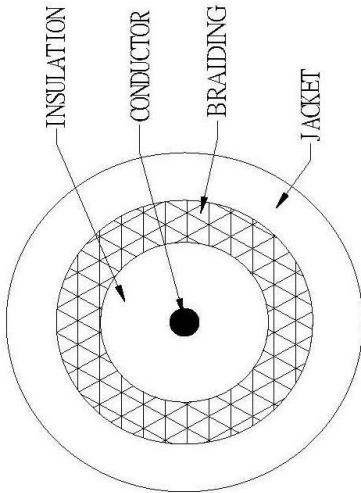
Operating Temperature	-65°C ~ +165°C
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Material Specifications	Material Data	Material
	Body	Brass
	Center Contact	Brass
	Insulator	Teflon



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	16*3/0.1;Coverage ≥ 90%			
JACKET	MATERIAL	FEP(*color)			
	Nom.Thick(mm)	0.25			
	Nom.O.D(mm)	1.78±0.05			
	Color	Brown			
					
Electrical Properties(at 20 °C)					
Item		Unit	Details		
Conductor Resistance		Ω/km	Max.800		
Insulation Resistance		MΩ.km	Min.500		
Dielectric Strength		V(AC)/min	1000		
Capacitance		pF/m	105(1kHz)		
REMARK					
Characteristic Impedance		Ω	50±2.0		
Attenuation		dB/m	1GHz	1.70	
			2GHz	2.42	
			3GHz	3.08	
			4GHz	3.63	
			5GHz	4.15	
			6GHz	4.80	
Temperature range		°C	-55~150		
Standing wave(0-6GHz)		/	≦ 1.35		
MASTER WAVE TECHNOLOGY CO., LTD.					
CHECKED			DATE	2013/8/8	
DRAWING		Charlene	REV	01	



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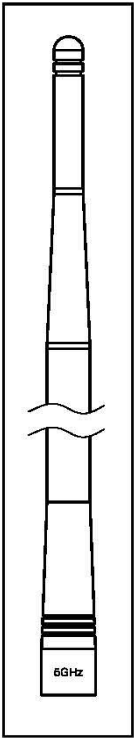
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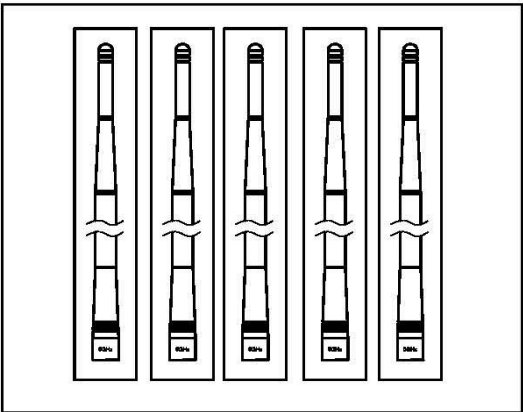
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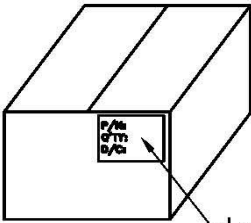
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1PCS ANTENNA OF A BAG



50PCS ANTENNA OF A BIG BAG



Label
標籤Label貼於外箱側邊

DATE:		MAT'L:		Master Wave Technology CO.,LTD			
UNIT: mm		FINISH:					
THIRD ANGLE PROJECTION		SCALE: -		TITLE : 8143 Replacement Antenna Packing			
APPROVED BY:	CHECKED BY:	DESIGNED BY:	DRAWN BY:	MODEL NO. :			REV
				PART NO. :			00

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