



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

承認書

APPROVAL SHEET

Customers: 中磊電子股份有限公司


Customer Model No.:

Master Wave Model No.: 98152MRSX002-270

Product Description: 8152 Replacement Ant.

Issue Date: 2009/6/16

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	Hero	S. Y. Liu	

MASTER WAVE TECHNOLOGY CO., LTD.

權億科技股份有限公司

Address: 2F., No. 20, Lane 1, Nanyuan 2nd RD., Taiwan (R.O.C)

Tel: +886-3-4519540 Fax: +886-3-4519542

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



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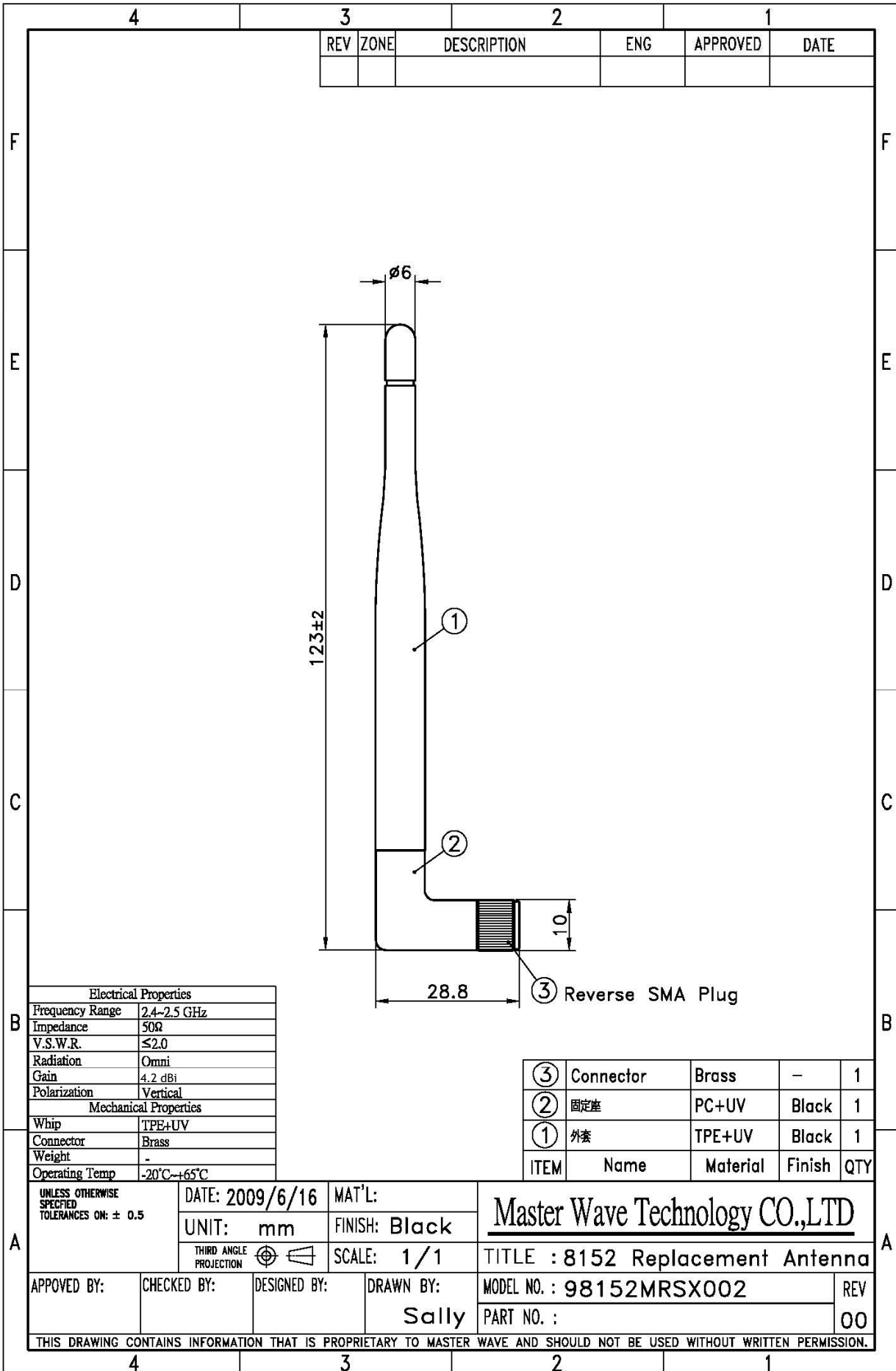
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Modification History:

REV.	Date	Content
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Electrical Properties

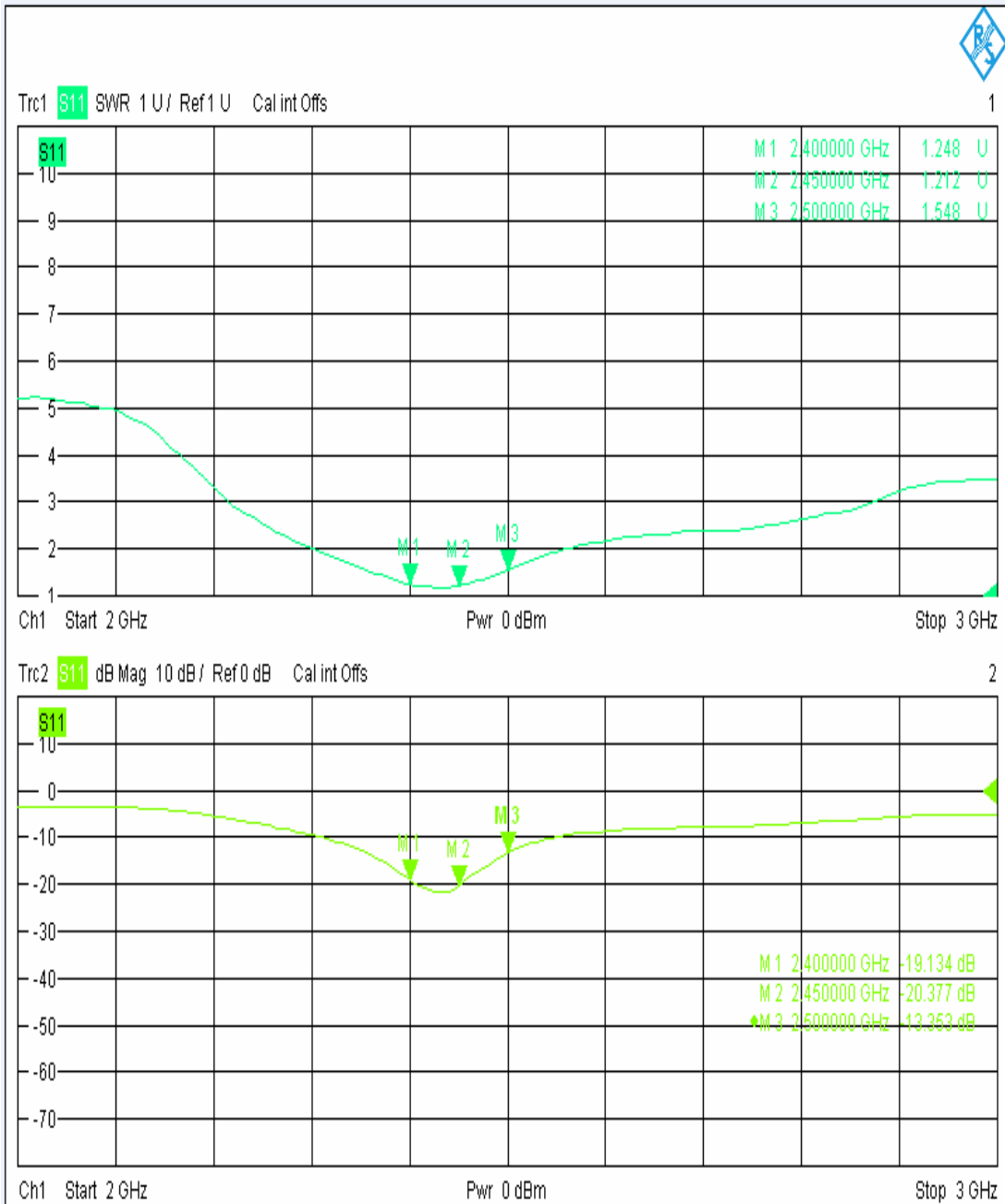
Type	Replacement Antenna
Frequency range	2.4~2.5 GHz
Impedance	50 Ohms
VSWR	≤ 2.0

Mechanical Properties

Material	TPE+UV
Connector	Reverse SMA Plug
Dimension(L*W*H)	123*28.8

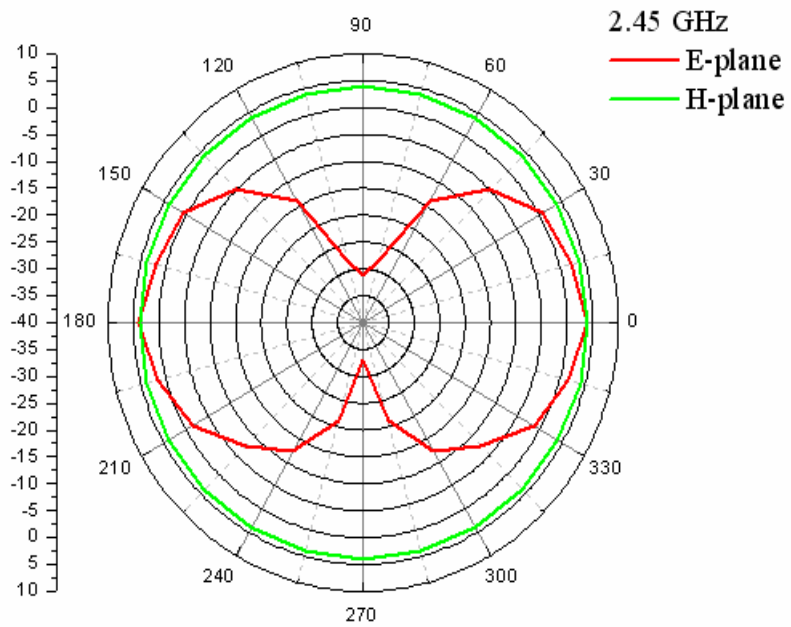
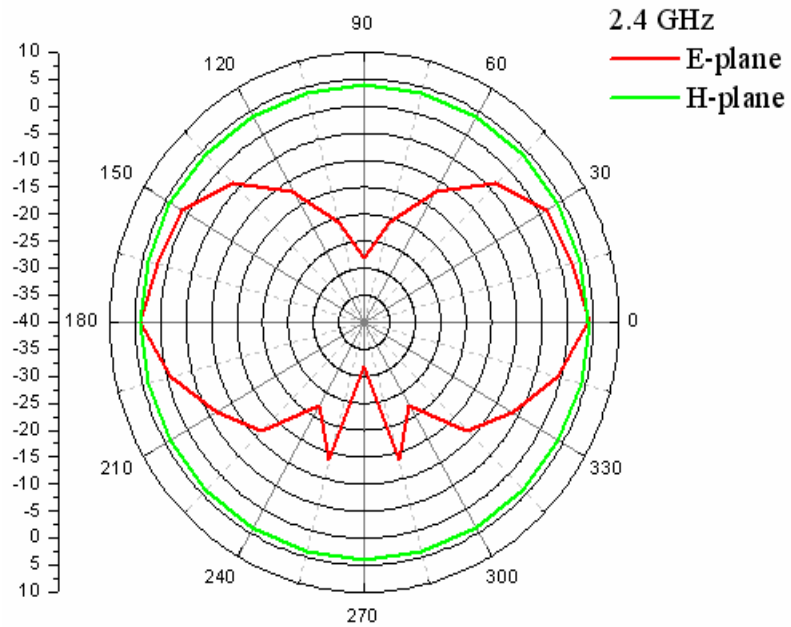


Electrical Test



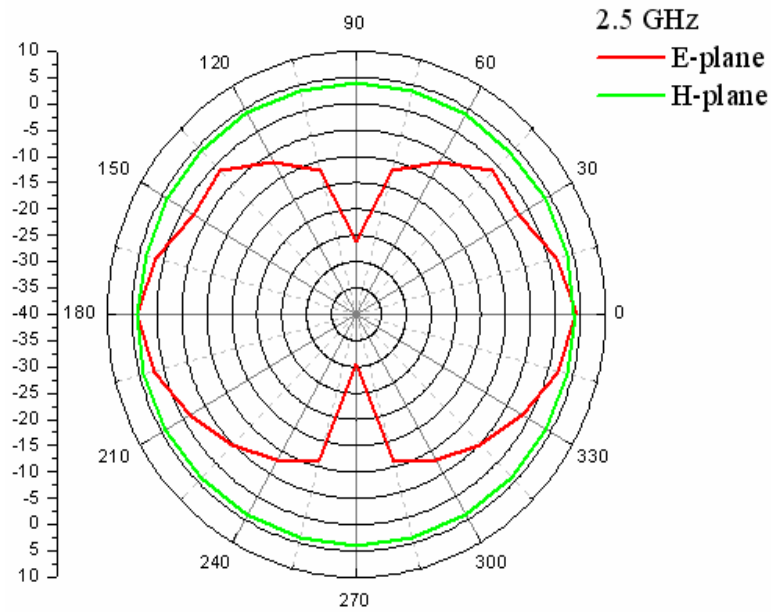


Pattern Test





Pattern Test



Model Name	98152MRSX000		
Frequency (MHz)	2400	2450	2500
Directivity (dBi)	4.6	4.9	4.8
Efficiency (%)	81.7	85.1	78.5
Peak Gain (dBi)	4.1	4.1	4.2



Connector

SMA

Electrical Properties	Impedance	50 ohm
	Frequency Range	0~6 GHz
	V.S.W.R	≤ 1.5
	Working Voltage	$\leq 250V_{rms}$
	Dielectric Withstanding	$\leq 670 V_{rms}$
	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.
	Durability (mating)	≥ 500 cycles
Environmental Ratings	Operating Temperature	-65°C ~ +165°C
	Thermal shock	MIL-STD-202,METHOD 107,Condition B
	Corrosion	MIL-STD-202,METHOD 101,Condition B
	Shock	MIL-STD-202,METHOD 213,Condition I
	Vibration	MIL-STD-202,METHOD 204,Condition D
	Moisture Resistance	MIL-STD-202,METHOD 106
Material Specifications	Material Data	Material
	Body	Brass
	Center Contact	Brass
	Insulator	Teflon or Delrin