



Tekfun Co., Ltd.

SPECIFICATION FOR APPROVAL

CUSTOMER _____

DESCRIPTION 2.4GHz 5dBi Rubber Antenna with RP-SMA Male Swivel

PART NO. M07-SR

DATE 2013/10/23

DESIGNER		DIRECTOR	
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Approved by Customer/date:





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ANTENNA SPECIFICATIONS FOR APPROVAL

1 GENERAL DESCRIPTION

- 1.1 Type No. : M07-SR
1.2 Customer P/N :

2 DESCRIPTION & APPLICATION

This antenna assembly is designed for use in 2.4GHz

3 ELECTRICAL CHARACTERISTICS

3.1 Antenna type:	Dipole Antenna
3.2 Frequency Rang:	2.4~2.5GHz
3.3 V.S.W.R:	< 2.0
3.4 Impedance:	50 OHM
3.5 Type of Radiation:	Omni-directional
3.6 Electrical Wave:	1/4
3.7 Gain:	5 dBi
3.8 Connector:	RP-SMA Male
3.9 Size:	196.6*OD13mm
3.10 Color:	Black



4 ENVIRONMENTAL CHARACTERISTICS

- 4.1 Operating temperature range -40°C to + 65°C

5 QUALIFICATION TESTING

- 5.1 All products shall be able to withstand the following testing.
5.2 Physical dimensions identified within this specification.

6 PACKING STYLE

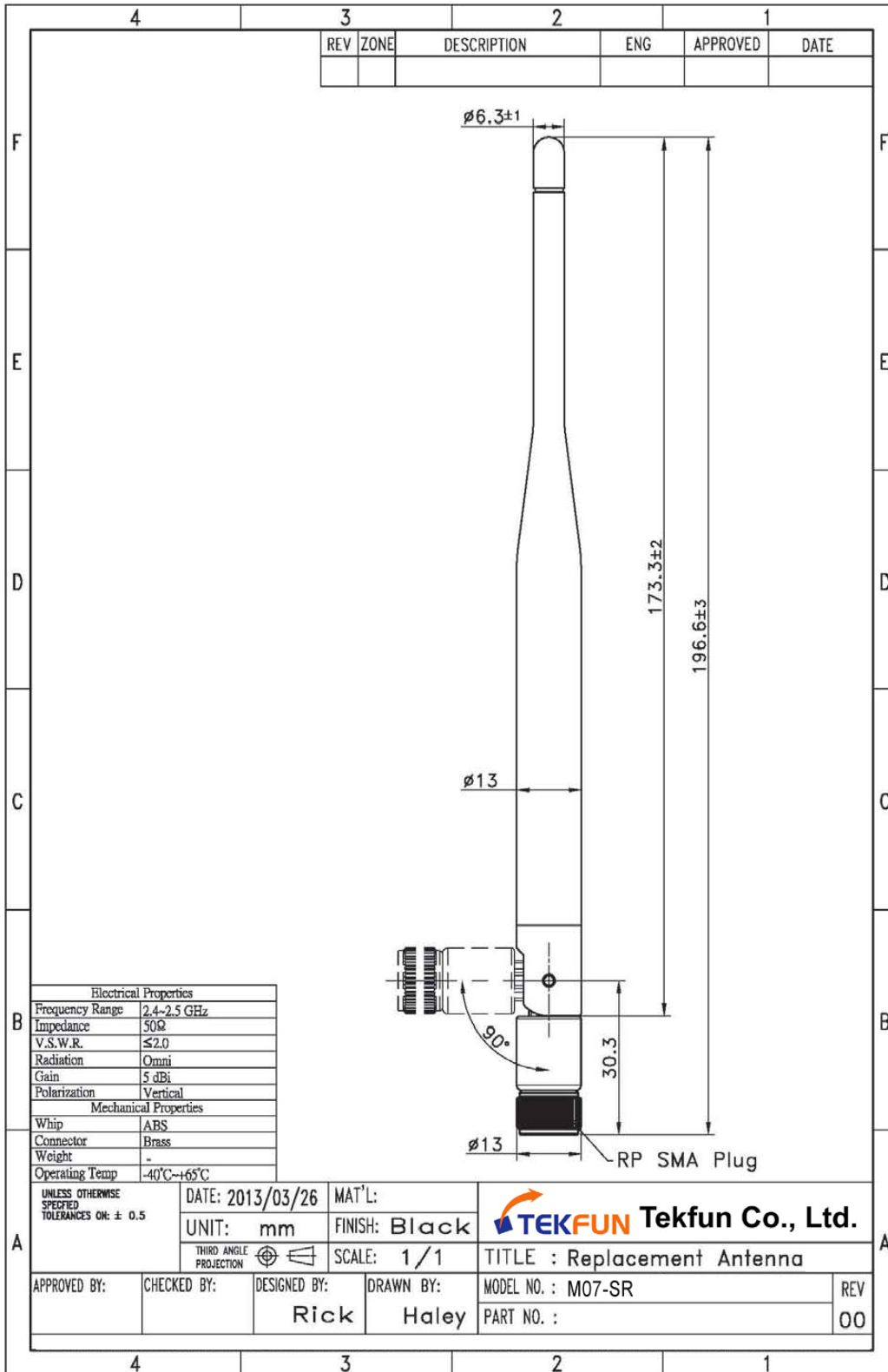
- 6.1 Packing: Poly Bag.



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7 DRAWING, DIMENSION

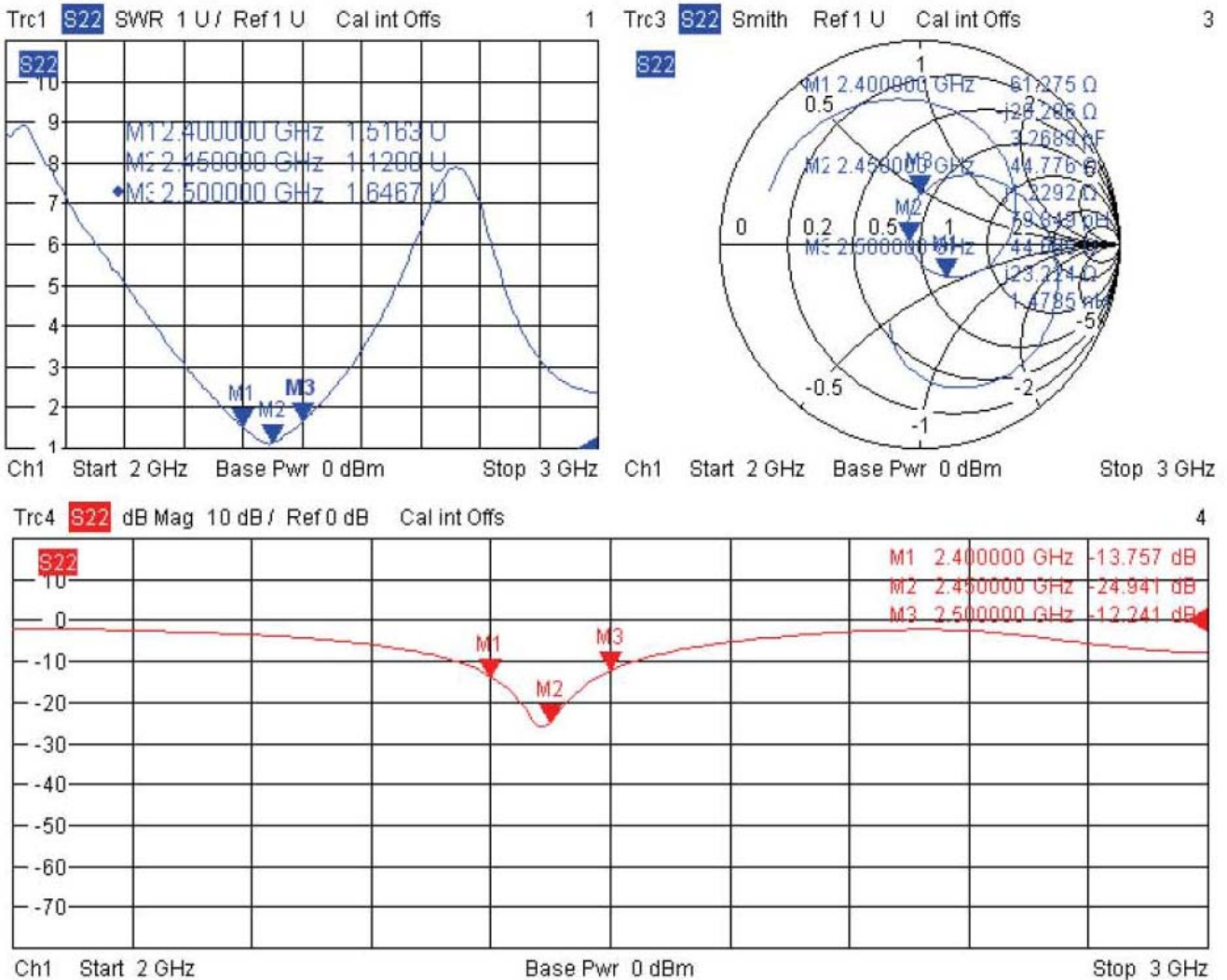




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8 TEST-VSWR/Return Loss



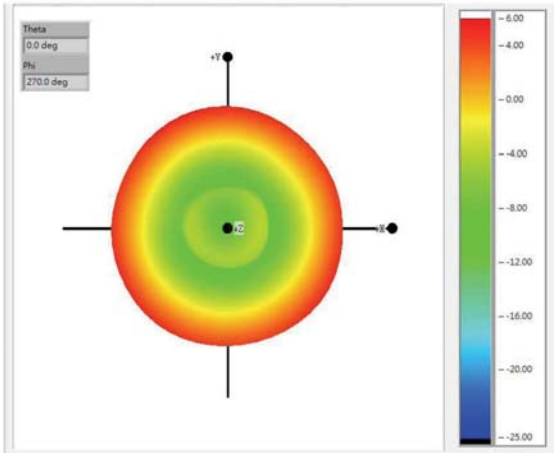


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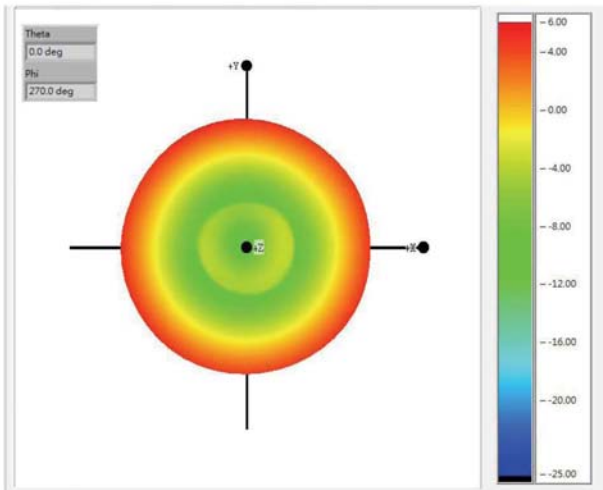
ANTENNA SPECIFICATIONS FOR APPROVAL

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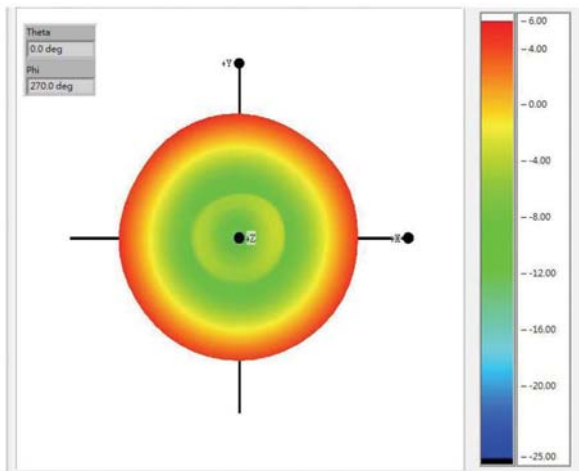
3D Radiation Pattern 2.4GHz



3D Radiation Pattern 2.45GHz



3D Radiation Pattern 2.5GHz



10. Antenna Efficiency

Antenna Efficiency

Frequency (MHz)	2400	2450	2500
Peak Gain (dBi)	5.03	4.93	4.82
Directivity (dBi)	6.44	5.95	6.25
Efficiency (dB)	-1.41	-1.02	-1.43
Efficiency (%)	72.35	79.11	71.96

