



Tekfun Co., Ltd.

SPECIFICATION FOR APPROVAL

CUSTOMER _____

DESCRIPTION Combo GPS + GSM(5bands) Antenna, adhesive double-sided sticky

PART NO. GPS-G01A

DATE _____

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. : GPS-G01A
1.2 Customer P/N :

2 DESCRIPTION & APPLICATION

This antenna assembly is designed for use in GPS and GSM 5bands Combo Antennas
GPS Active combined with GSM 3G
Double-sided sticky which is easier for installation and portage usage.



3 ELECTRICAL CHARACTERISTICS & Mechanical Properties

GSM

- 3.1 Frequency Range : 850/900/1800/1900/2100MHz
3.2 V.S.W.R : <2.0
3.3 Impedance : 50 Ω
3.4 Gain : 0dbi
3.5 Antenna Cable : RG174U -3 meter (custom cable length is acceptable), Black
3.6 Cable OD : $\varnothing 2.6 \pm 0.1$ mm
3.7 Antenna Color : Black
3.8 Connector Type : FME F, SMA M, MMCX, MCX...etc (optional)

GPS

- 3.9 Frequency Range : 1575.42MHz
3.10 Polarization : RHCP (right hand circular polarization)
3.11 Noise figure : 1.5 max.
3.12 Attenuation : 20dB min. at F0 +/- 50MHz
3.13 Bandwidth : 10MHz
3.14 V.S.W.R : 2.0 Max
3.15 Impedance : 50 Ω
3.16 Gain : LNA 30dB
3.17 Power consumption : 2.7 to 5.5VDC/28mA
3.18 Cable and connector : 3m RG-174 with SMA connector (Optional)

4 ENVIRONMENTAL CHARACTERISTICS

- 4.1 Operating temperature range -30°C to + 80°C

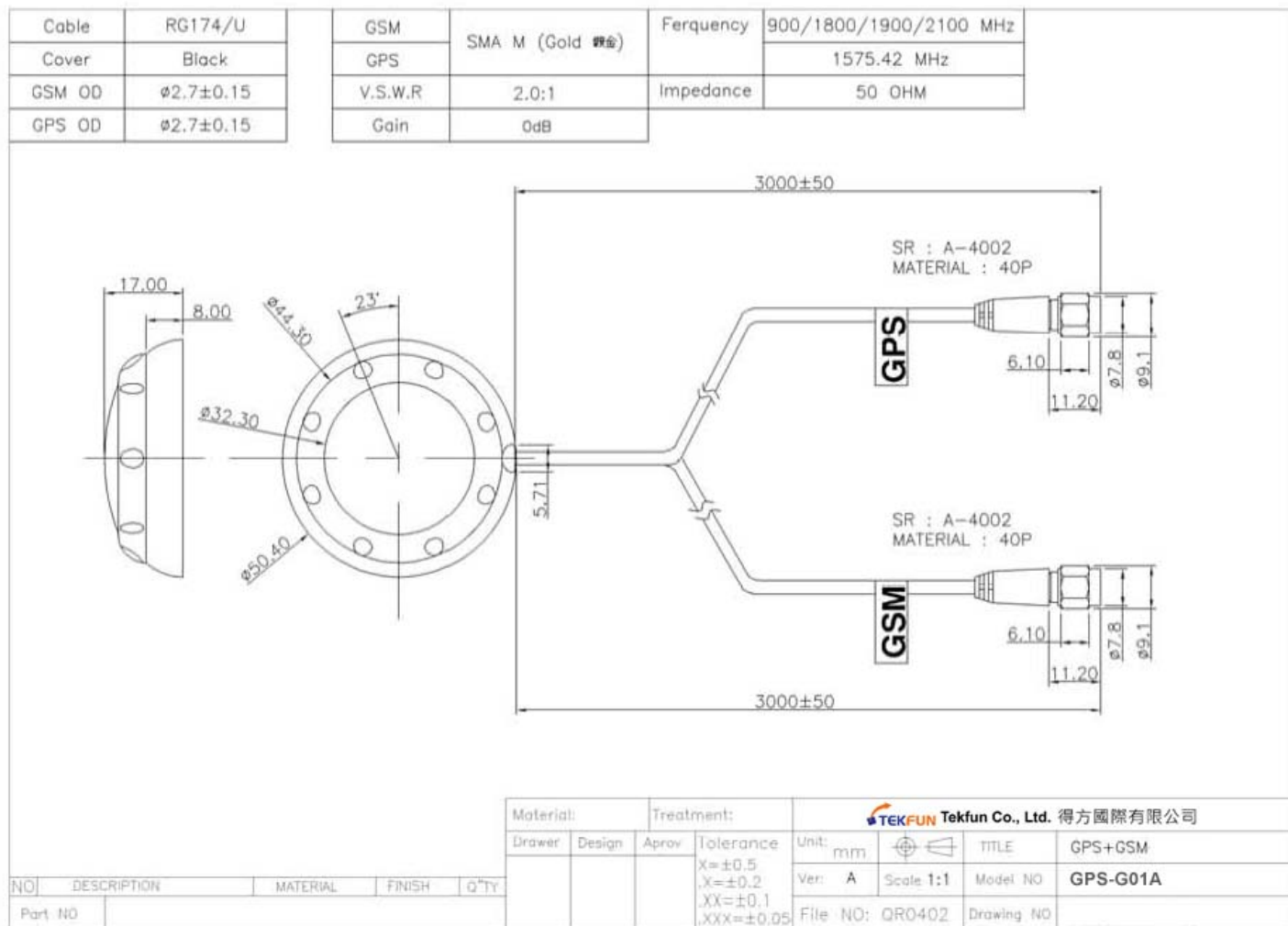



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5 DRAWING

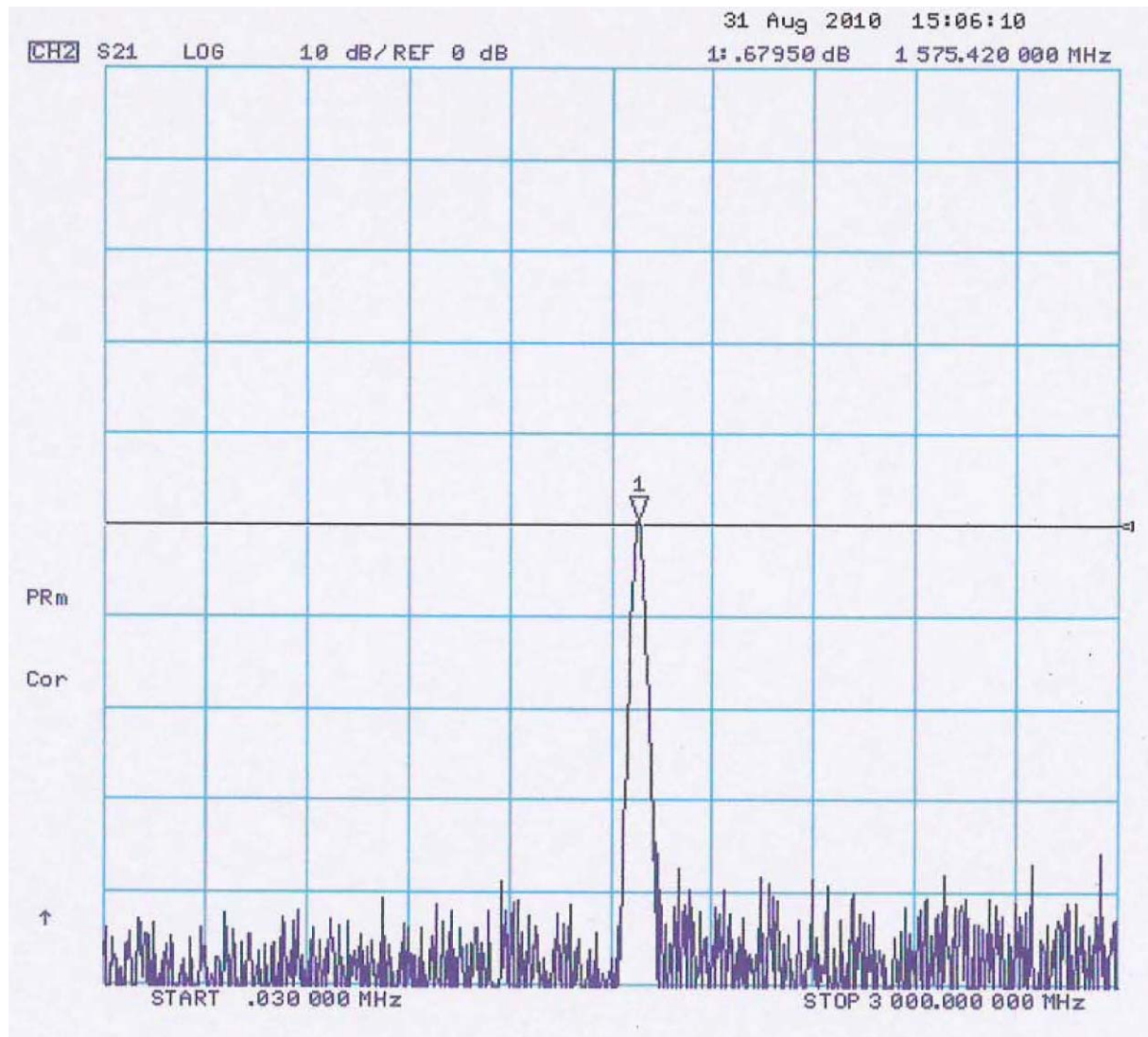




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ANTENNA SPECIFICATIONS FOR APPROVAL

6 S21 - GPS





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ANTENNA SPECIFICATIONS FOR APPROVAL

7 VSWR S11 – GSM

