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GLONASS/GPS Dual Band ANTENNA INTRODUCTION

1. GENERAL DESCRIPTION

Model No
GNSS/GPS10-5M-SMA/Male

Below is a table summarizing the Glonass/GPS Dual Band antenna design specification.

2. Application:

For antenna units used with or in automobile (50Ω impedance).

3. Appearance:

Antenna Unit

Dimensions 25.0 x 25.0 x 8.9 mm

Weight 15±1g (typ)

4. Operating Condition:

Temperature -20 to +90 °C

Humidity 10 to 95% RH

5. Storage Condition:

Temperature -40 to +90 °C

Humidity 10 to 95% RH

6. Electrical Specification:

* All values are defined at 25±15°C, 65 ± 20%RH , power handling 1 u
watt , air

pressure 960±100 HPA unless noted.

* Patch characteristics are measured with 70x70 mm ground plane in an
anechoic chamber.

7.RF Cable RG174 5M SMA/Male

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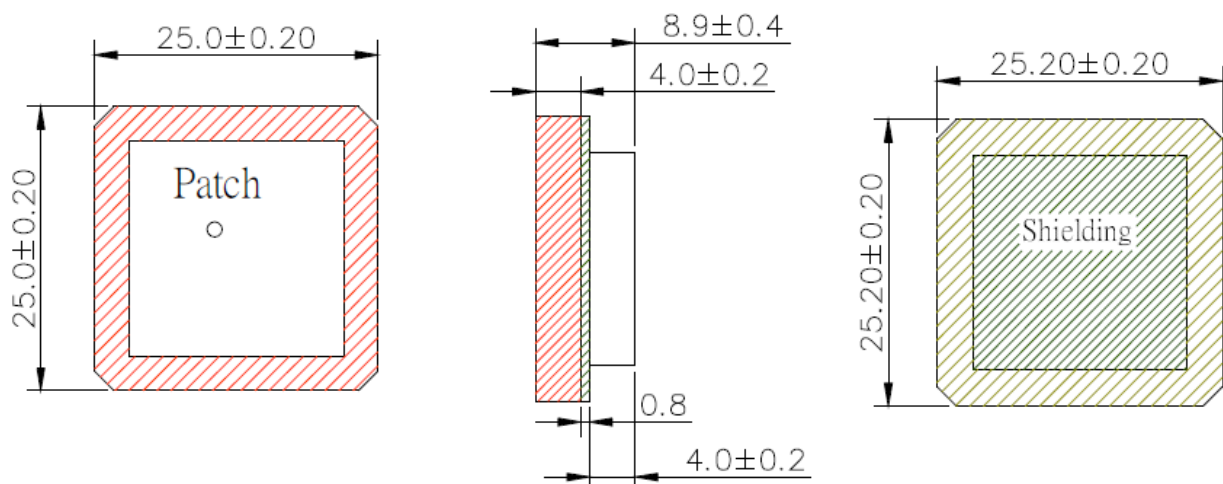
6-1) Patch

Characteristics	Specification
Center Frequency	1575.42 / 1602MHz (when covered with a radome and measured by LNA ground plane)
Bandwidth (10dB return loss)	8 MHz min @S11 \leq -10dB
Gain at Zenith	+2.0 dBi (typ)
Operating Frequency	1568-1578 MHz 1598-1608 MHz
Bandwidth	8MHz min. @S11 < -8dB
Gain at Zenith	2.0 dBi typ.

6-2) LNA

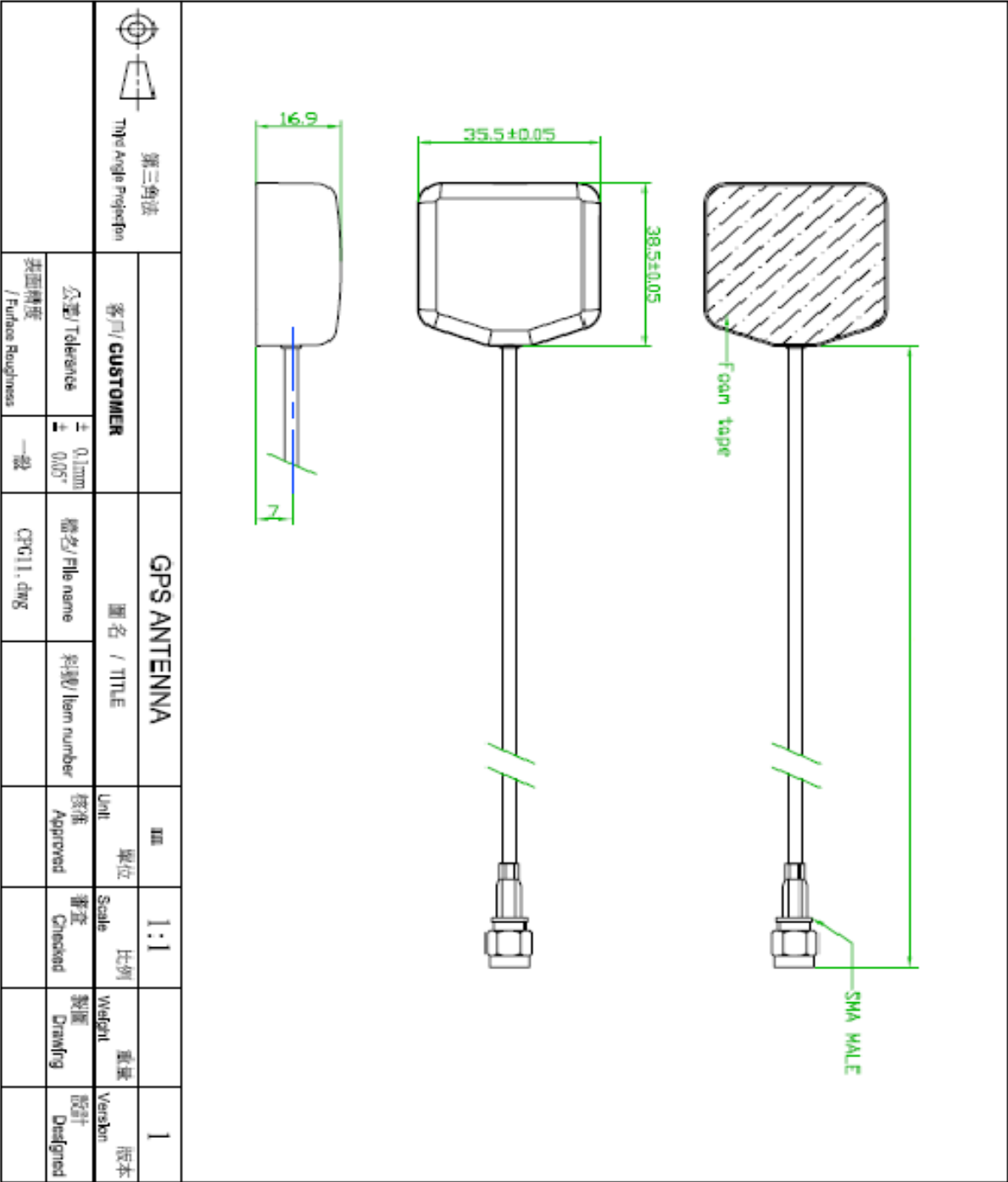
Characteristics	Specification
Center Frequency	1575.42 / 1602 MHz \pm 1.023 MHz
Gain	28 dB typ
Noise Figure	1.5 dB typ
Output V.S.W.R	2.0 max
Voltage	2.5~5.5 V
Current	3 V : 12.6 mA Typical

7. Patch, and Shielding Dimensions:



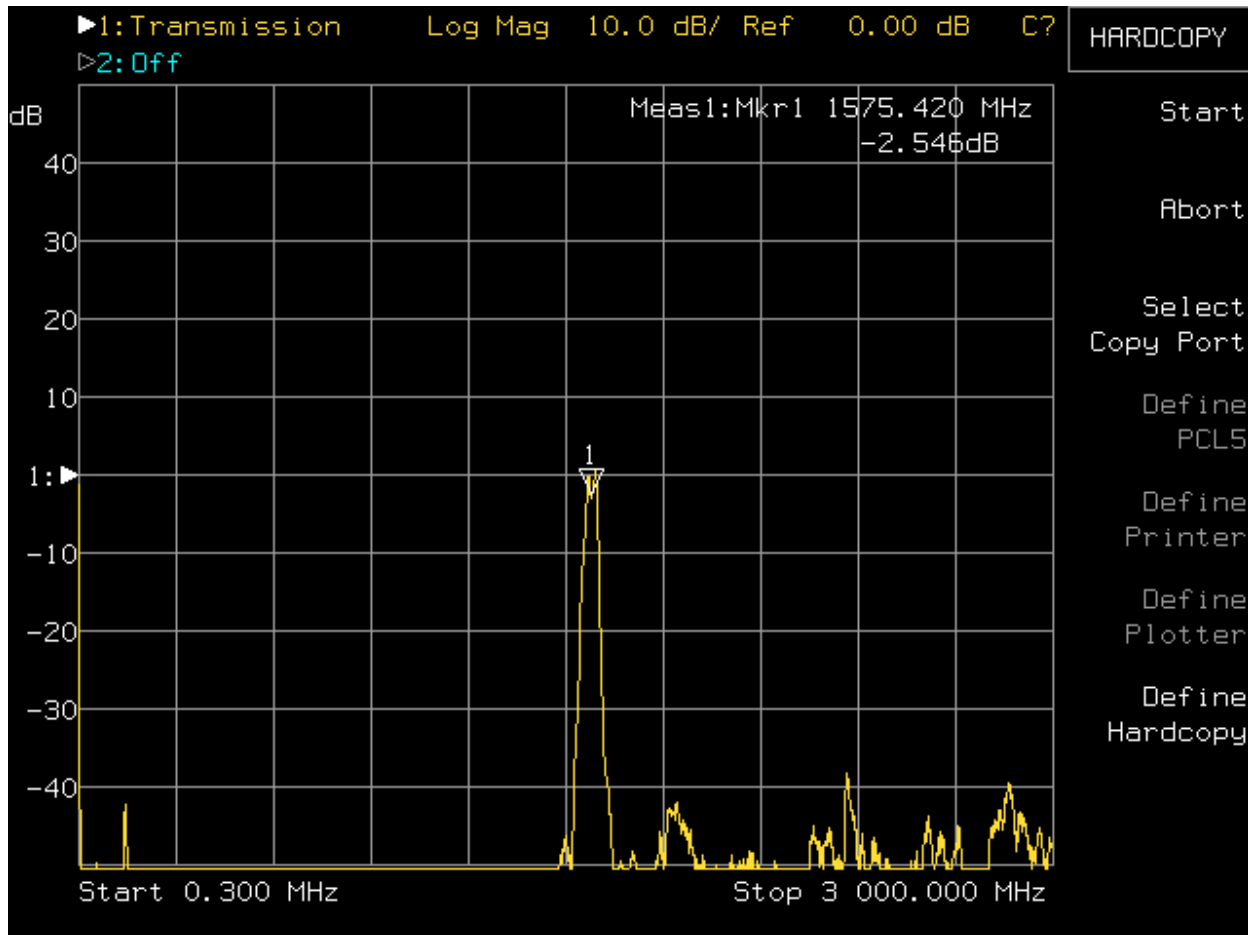
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2. Appearance

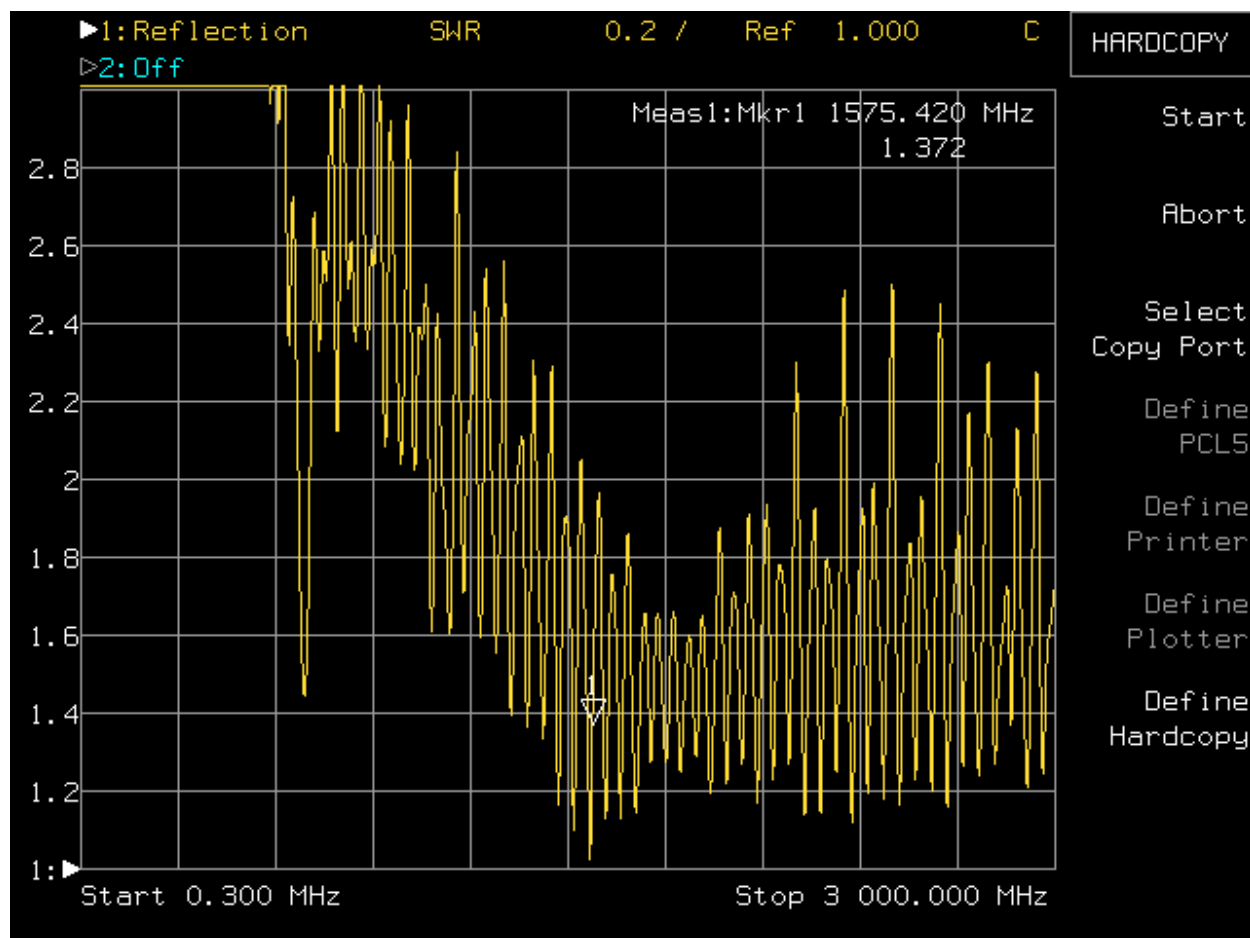


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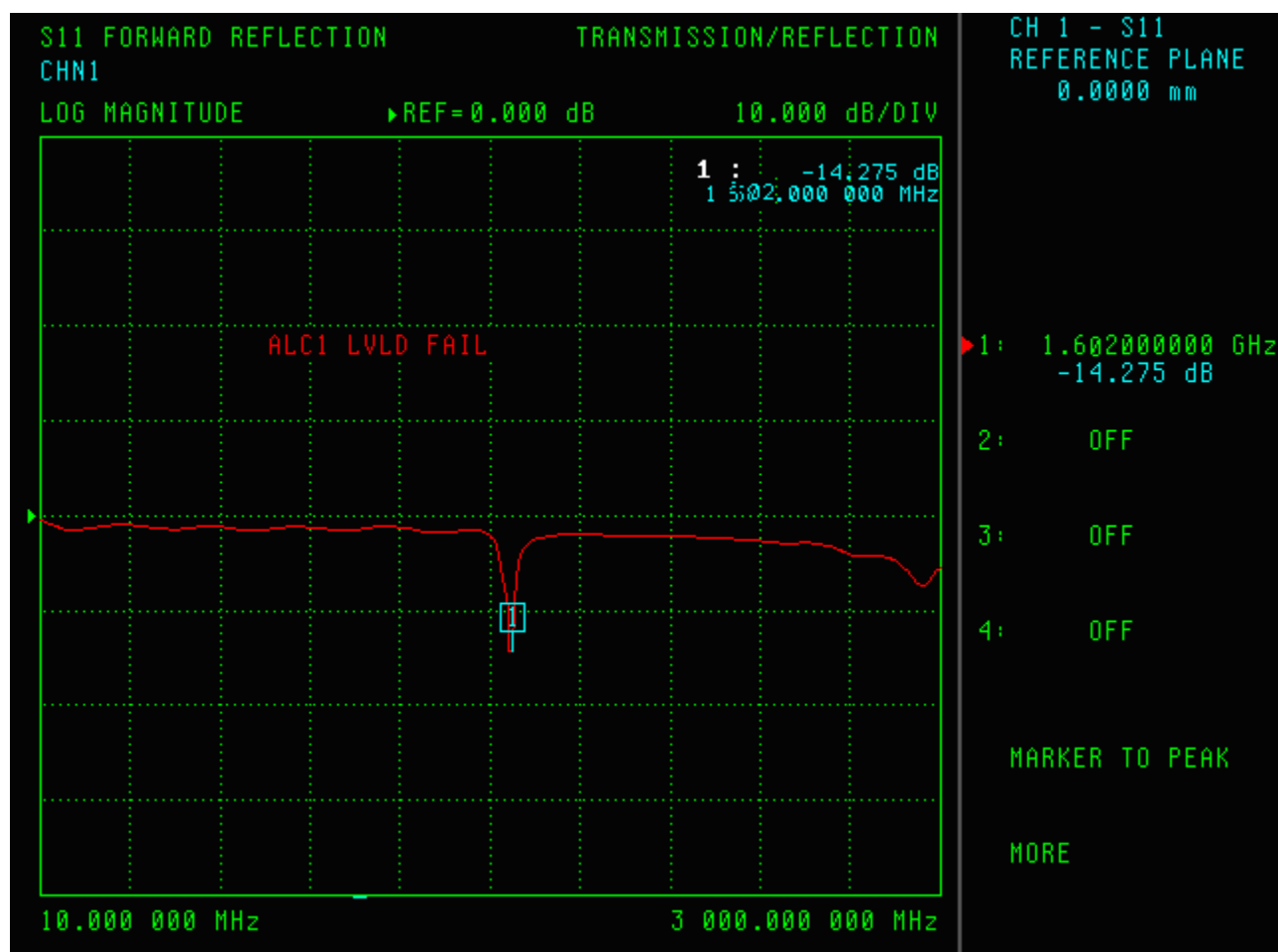
3. Frequency



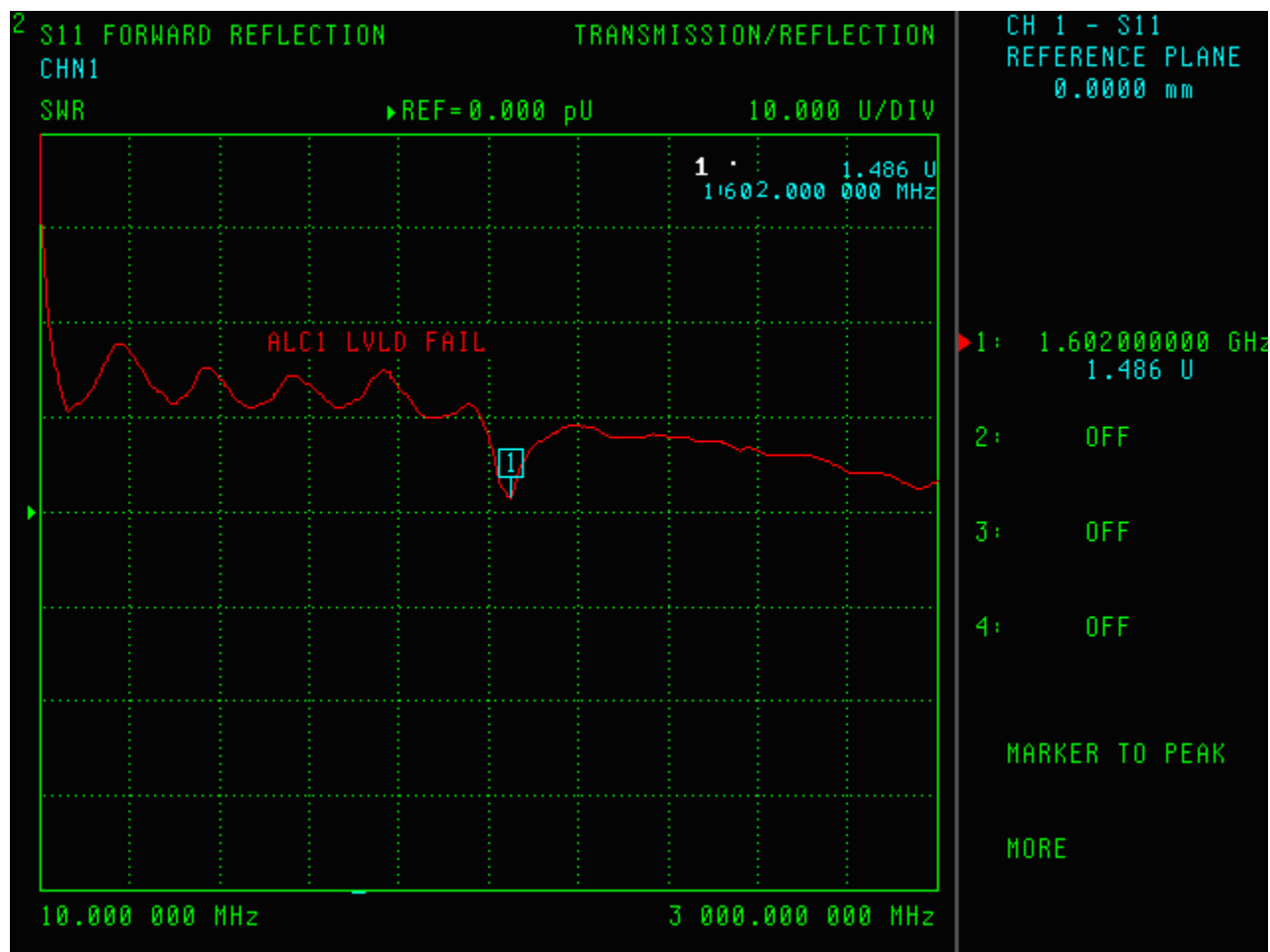
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