

A-251 Quad Band GSM Antenna

For 850/900/1800/1900 MHZ



Electrical Specification

Frequency range	850/900/1800/1900MHZ
V.S.W.R	2.3
Connector	SMA Male
Impedance	50Ω

Environmental & Mechanical Characters

Temperature	-20 to +85
Weight	9.0 g
Dimensions	16.5 x 52.0 mm

1 GENERAL DESCRIPTION

- 1.1 Type No. : A-251
- 1.2 Customer P/N :

2 DESCRIPTION & APPLICATION

This antenna assembly is designed for use in portable.
Communications equipment over a temperature range.
Of -20 to +85 in an indoor / outdoor environment.

3 ELECTRICAL CHARACTERISTICS

- 3.1 Frequency Range : 850/900/1800/1900MHZ
- 3.2 V.S.W.R : 2.3
- 3.3 Connector : SMA right angle Plug
- 3.4 Impedance : 50Ω

4 ENVIRONMENTAL CHARACTERISTICS

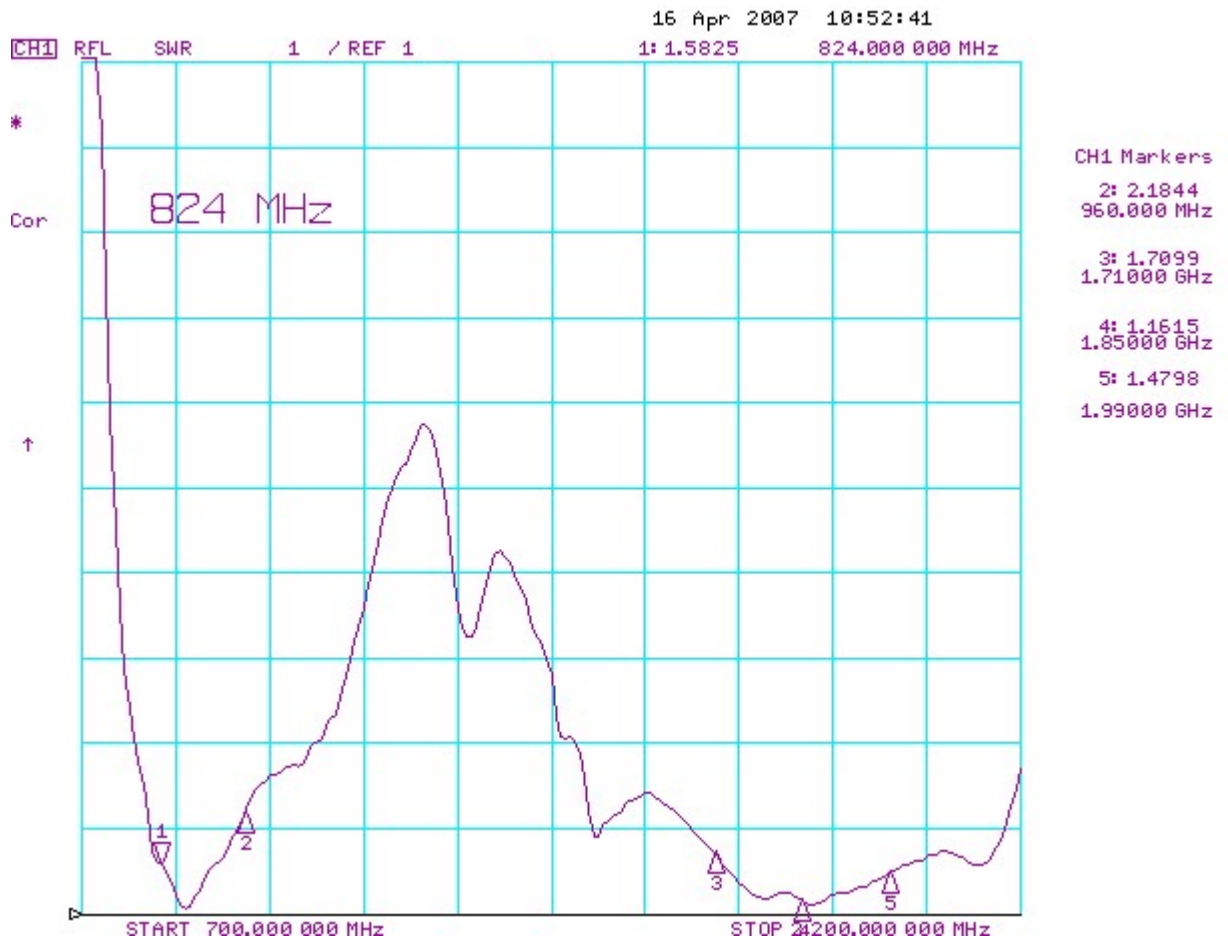
- 4.1 Operating temperature range -20 to +85
- 4.2 Humidity range : 10 % RH to 80 % RH

5 QUALIFICATION TESTING

- 5.1 Qualification testing, all product shall be able to withstand the following testing.
- 5.2 Physical dimensions identified within this specification.
- 5.3 Pull Test : Tube has the capability of load 3 kgf in a vertical position within
30 seconds.
- 5.4 Torque Test : 3 kgf-cm no damage happened.

6 INSPECTION STANDARD

- 6.1 Dimension to use the special inspection level of S-4 , AQL 1.0 .
- 6.2 Appearance to use MIL-STD-105DII AQL1.0 .
- 6.3 Mechanical Capability : Per lot Sampling, n=5 , Ac 0 , Re 1 .
- 6.4 Environmental test : Per lot Sampling, n=3 , Ac 0, Re 1 .



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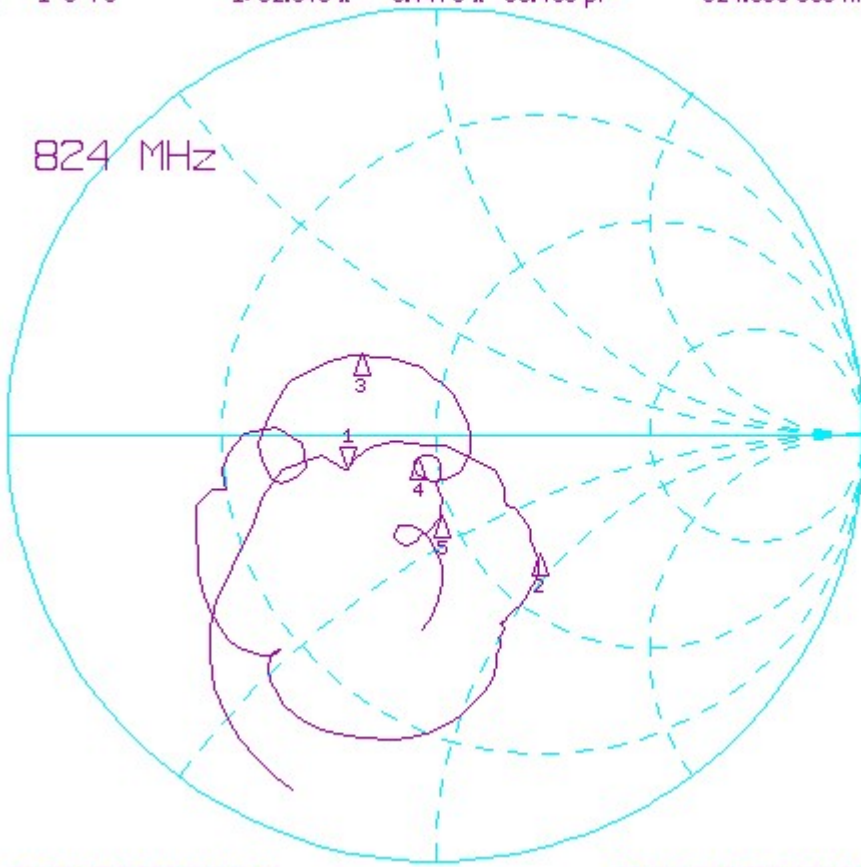
CH1 RFL 1 U FS 1: 32.346 Δ -5.4473 Δ 35.458 pF 824.000 000 MHz

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824 MHz



START 700.000 000 MHz

STOP 2 200.000 000 MHz

CH1 Markers

- 2: 65.250 Δ
- 43.094 Δ
- 960.000 MHz
- 3: 32.816 Δ
- 13.271 Δ
- 1.71000 GHz
- 4: 45.379 Δ
- 5.3203 Δ
- 1.85000 GHz
- 5: 47.424 Δ
- 19.137 Δ
- 1.99000 GHz