



1 GENERAL DESCRIPTION

1.1 Type No. : R42-FL

1.2 Customer P/N :

2 DESCRIPTION & APPLICATION

This antenna assembly is designed for use in Embedded PCB GSM Quad bands Antenna

3 ELECTRICAL CHARACTERISTICS

3.1 Antenna type:	Embedded PCB Antenna
3.2 Frequency Rang:	824-960/1710-1990/2170MHz
3.3 V.S.W.R:	< 2.0
3.4 Impedance:	50 OHM
3.5 Type of Radiation:	Omni-directional
3.6 Electrical Wave:	1/2
3.7 Gain:	2 dBi
3.8 Connector:	iPex, GSC, SMA, MMCX...optional
3.9 Cable:	1.13, RG178, RG316...optional
3.9 Size:	81x21mm

4 ENVIRONMENTAL CHARACTERISTICS

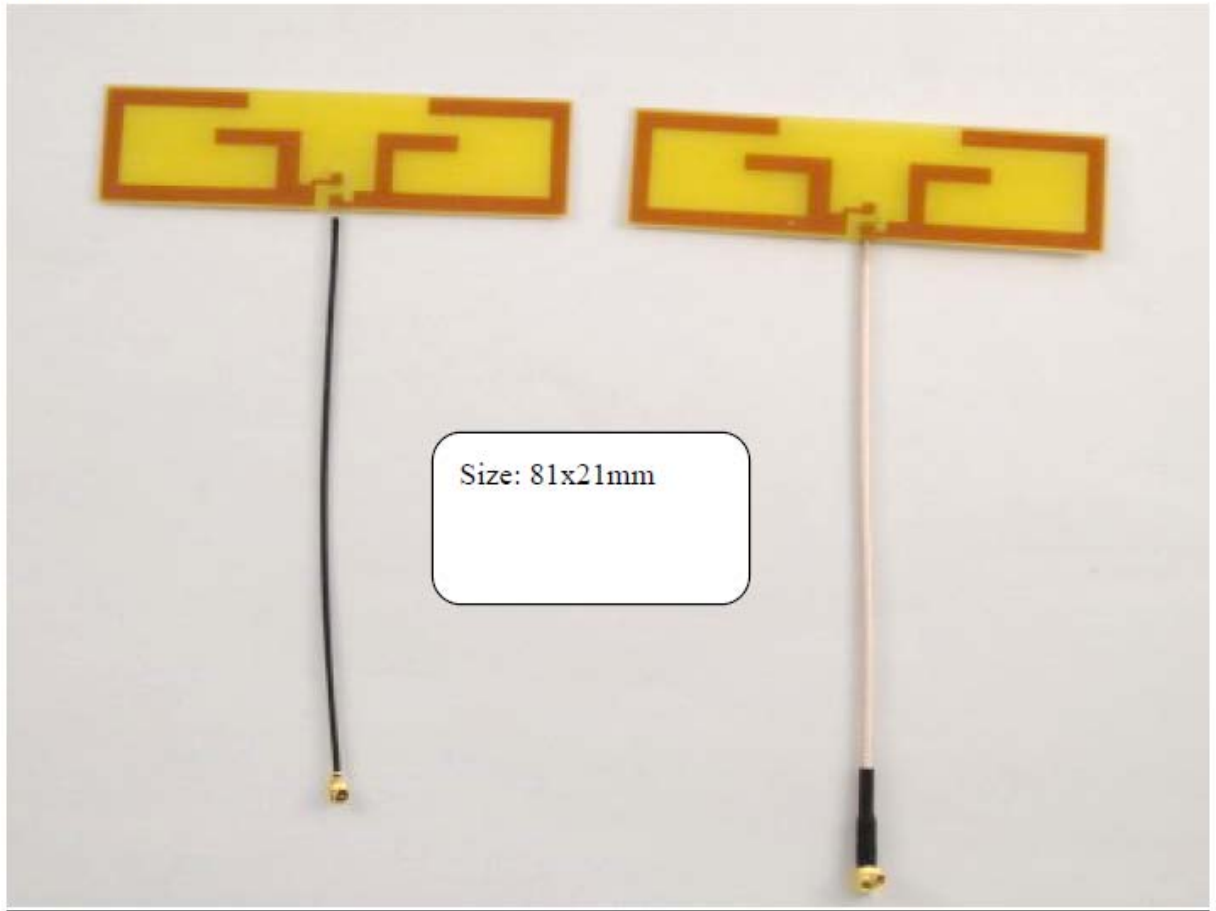
4.1 Operating temperature range -30°C to + 85°C

5 QUALIFICATION TESTING

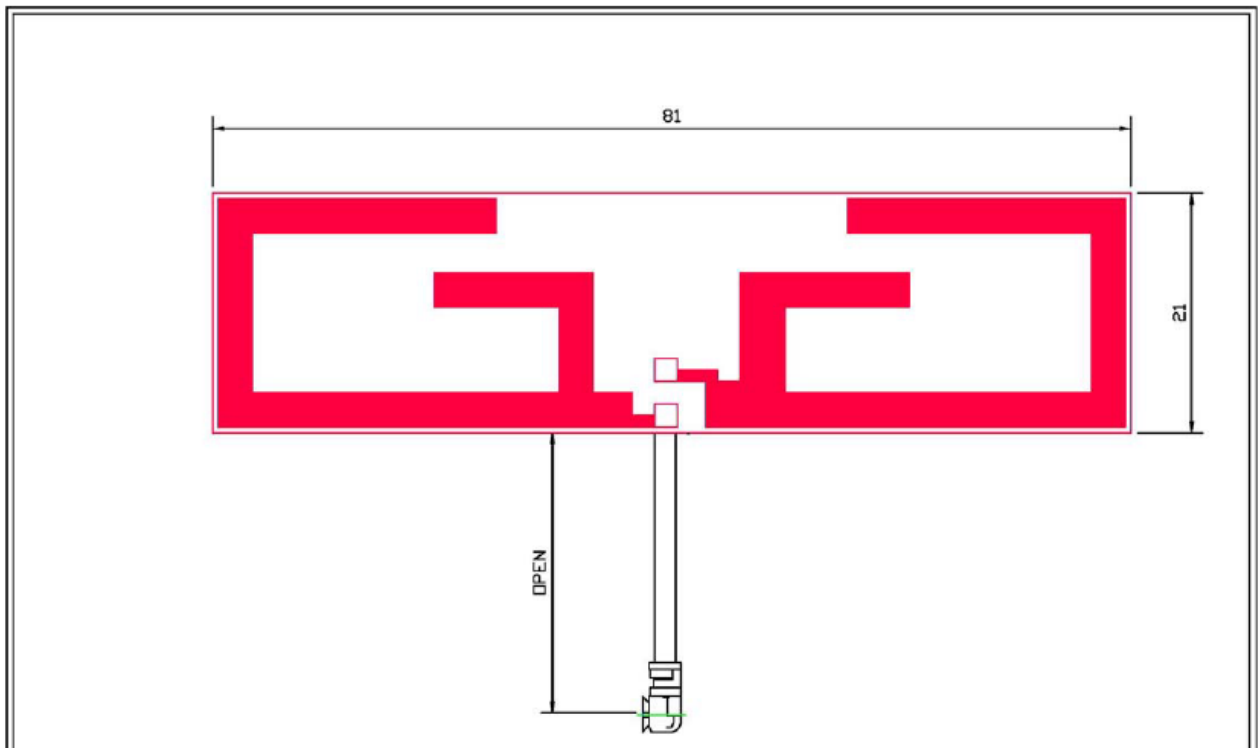
5.1 All products shall be able to withstand the following testing.

5.2 Physical dimensions identified within this specification.

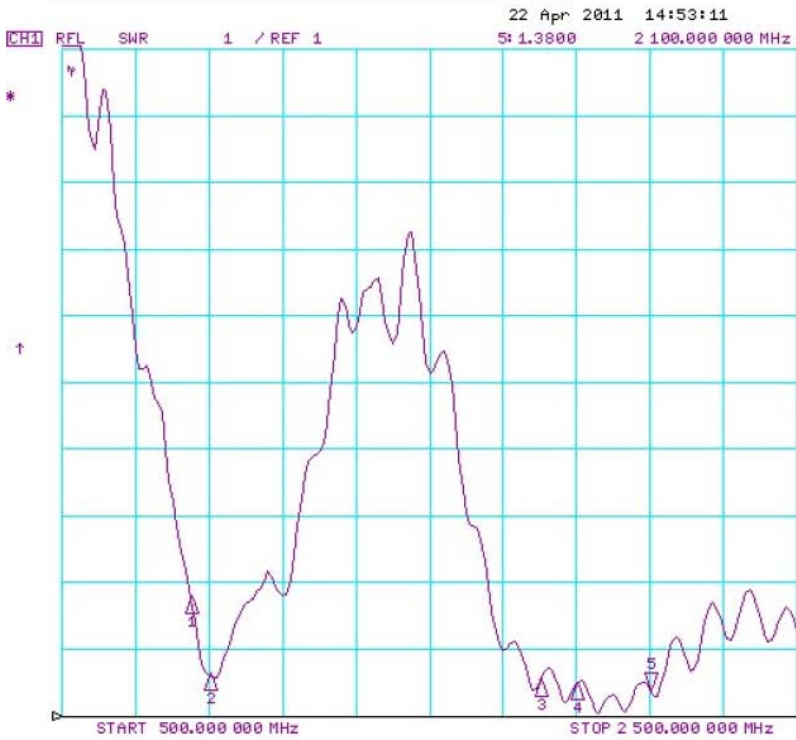
7 Product Photo



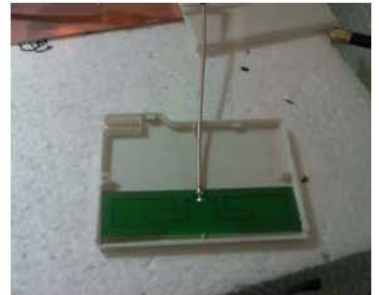
8 Drawing



9 TEST -- without case/enclosure cover

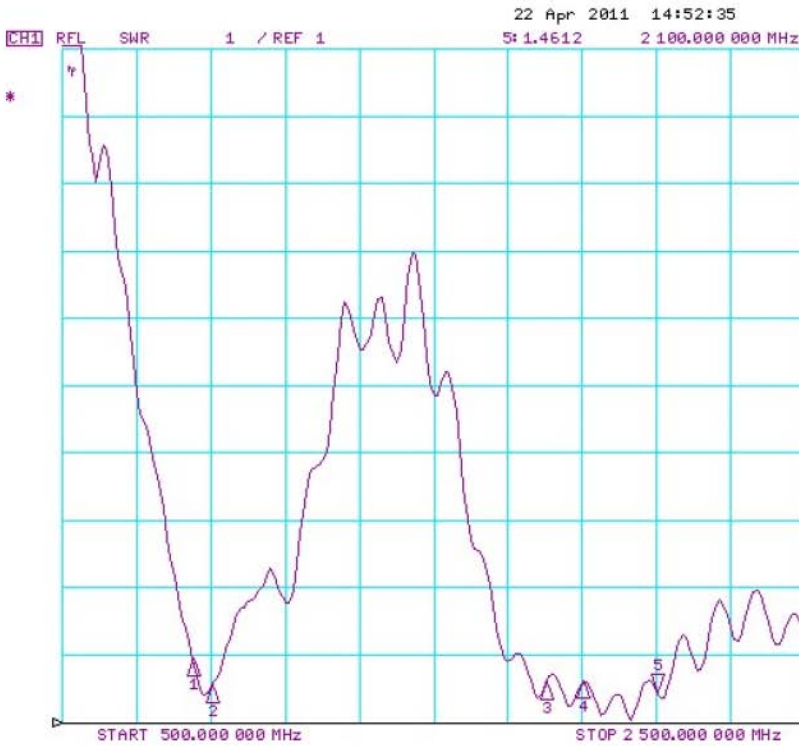


CH1 Markers
 1: 2.7686
 850.000 MHz
 2: 1.6212
 900.000 MHz
 3: 1.5408
 1.80000 GHz
 4: 1.4841
 1.90000 GHz



CH1 Markers
 1: -6.5549 dB
 850.000 MHz
 2: -12.393 dB
 900.000 MHz
 3: -13.466 dB
 1.80000 GHz
 4: -14.059 dB
 1.90000 GHz

10 TEST -- with case/enclosure cover



- CH1 Markers
- 1: 1.9405
850.000 MHz
 - 2: 1.5275
900.000 MHz
 - 3: 1.5835
1.80000 GHz
 - 4: 1.5916
1.90000 GHz



- CH1 Markers
- 1: -10.138 dB
850.000 MHz
 - 2: -13.658 dB
900.000 MHz
 - 3: -13.208 dB
1.80000 GHz
 - 4: -13.012 dB
1.90000 GHz