

A-GSM

(DATASHEET)

Type	LTE Antenna
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) 4G/LTE (699-960/1710-2690 MHz)
Mounting	Glass Mount
Revision	00



1. PRODUCT SELECTION

A-GSM Multiband antenna, black version

2. SPECIFICATION

2.1. Electrical Specifications

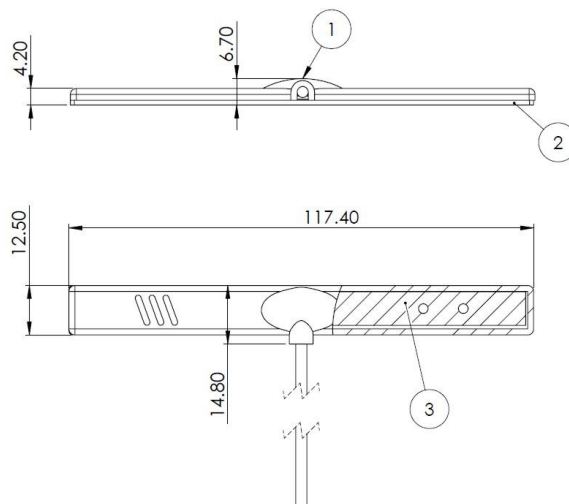
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) 4G/LTE (699-960/1710-2690 MHz)
Impedance	50 Ohms
Polarization	Linear
Gain	2.14dBi
VSWR	Full 4G/LTE <5:1 / Europe: <2:1
Power handling	25W
Operating temperature	-40°C to +85°C

2.2. Connection Specifications

Connector type: SMA male
Cable: RG174U
Cable length: 3 m

2.3. Mechanical Specifications and Dimensions

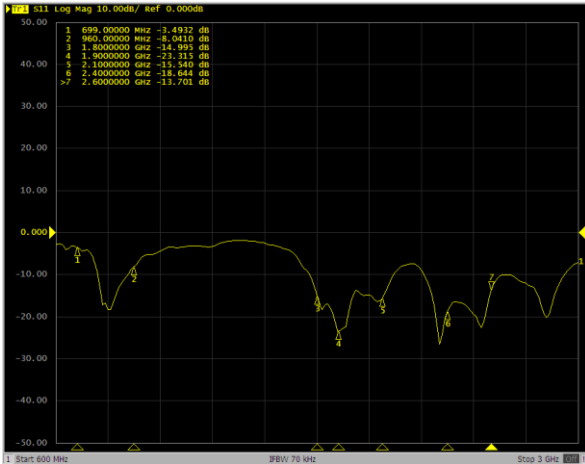
Material: PVC
Max. dimensions: 6.7mm x 117.4mm x 12.5mm (H x L x W)
Weight: ~16 g weight without 300 cm cable length and SMA connector
Colour: Black



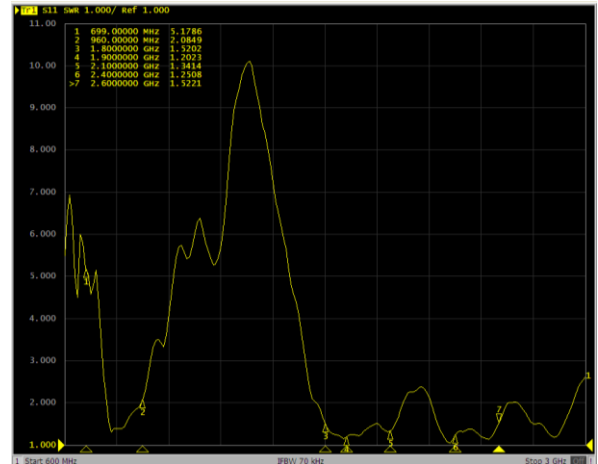
3. MEASUREMENT

3.1. S11

Log Mag (Quad Band)



VSWR (Quad Band)



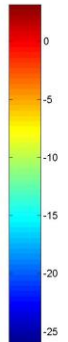
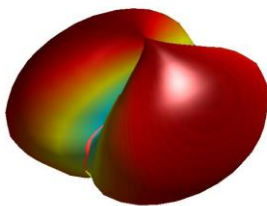
Tested with 30cm cable length and 6mm thin glass.

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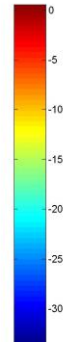
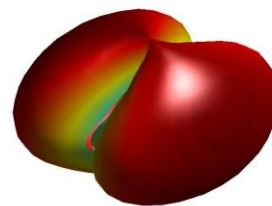
3.2. 3D Spherical

- Legend bar is showing antenna gain

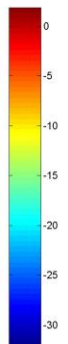
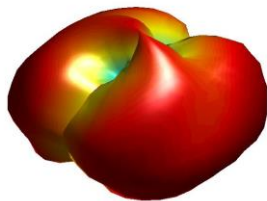
Freq = 0.8500GHz Az= 45 EL= 45



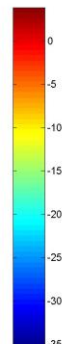
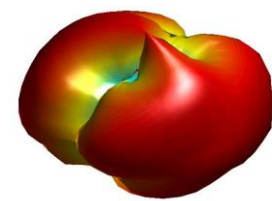
Freq = 0.9GHz Az= 45 EL= 45



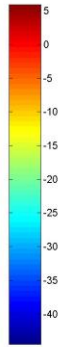
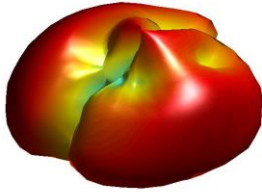
Freq = 1.8GHz Az= 45 EL= 45



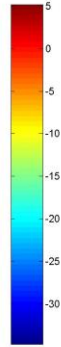
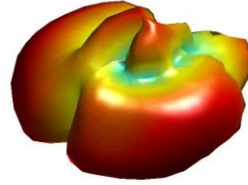
Freq = 1.9GHz Az= 45 EL= 45



Freq = 2.1GHz Az= 45 EL= 45



Freq = 2.41GHz Az= 45 EL= 45



Freq = 2.6GHz Az= 45 EL= 45

