

LTE Glasklebeantenne - CRC9

(DATASHEET)

Type	Antenna with diagnostic resistor
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. SPECIFICATION

1.1. Electrical Specifications

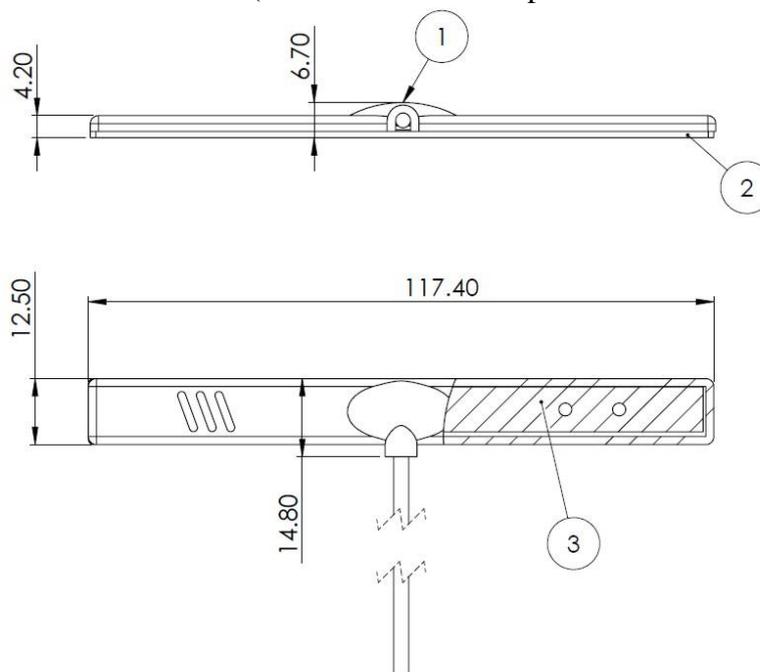
Frequencies	AMPS (824-894 MHz) GSM (900 MHz) DCS (1800 MHz) PCS (1900 MHz) 3G (UMTS 2.1 GHz) WIFI / BLUETOOTH (2.4 GHz) 4G/LTE (699-960/1710-2690 MHz)
Impedance	50 Ohms
Polarization	Linear
Gain	2.14dBi
VSWR	Full 4G/LTE <5:1 / Europe: <2:1
Power handling	25W
Operating temperature	-40°C to +85°C
Note	9k1 to 10k resistor for checking antenna presence

1.2. Connection Specifications

Connector type: CRC9
Cable: RG174
Cable length: 200 cm

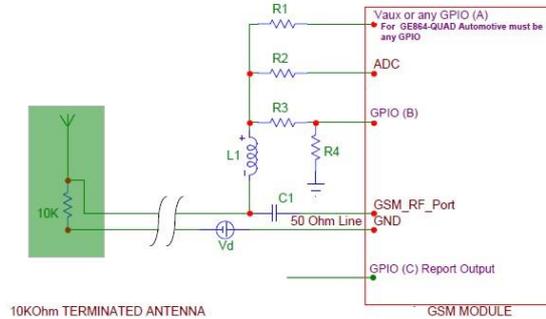
1.3. Mechanical Specifications and Dimensions

Material: PVC
Max. dimensions: 6.7mm x 117,4mm x 12.5mm (H x L x W)
Weight: 42 g ‘weight with 250cm cable and SMA connector’
Colour: Black (for different colours please ask our sales team)



2. ANTENNA CONNECTION

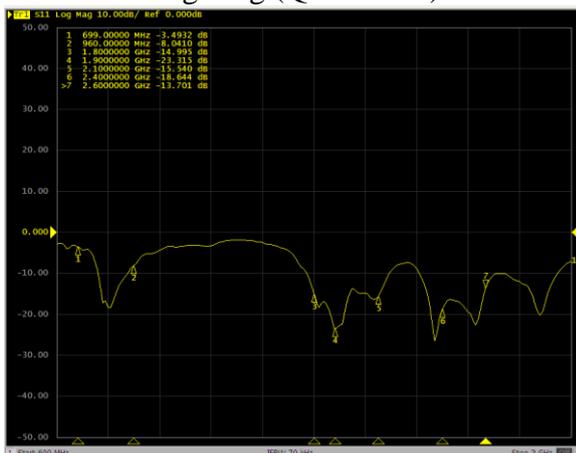
Antenna is terminated with 10k Ohm resistor what can be used in application where you need check if antenna is connected, or if there is open circuit. On the picture below you can see example of connecting antenna into that circuit.



3. MEASUREMENT

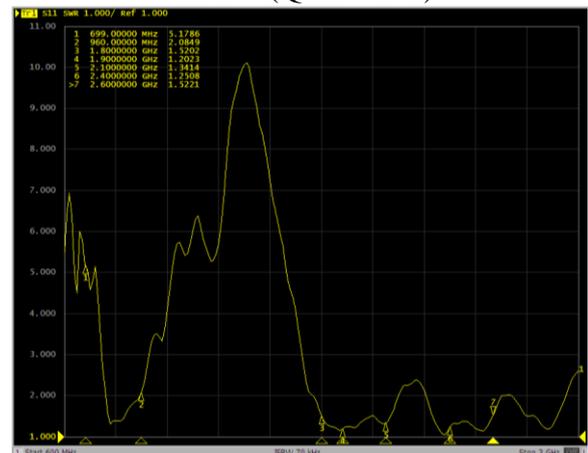
3.1. S11

Log Mag (Quad Band)



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

VSWR (Quad Band)

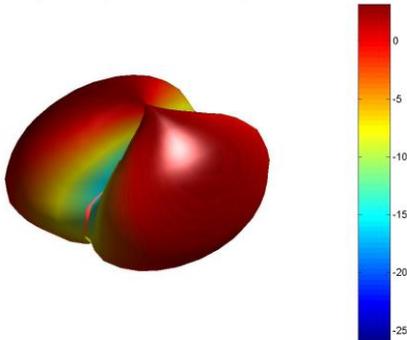


Tested with 30cm cable length and 6mm thin glass.

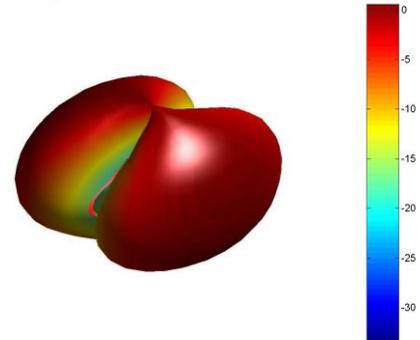
3.2. 3D Spherical

- Legend bar is showing antenna gain

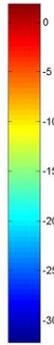
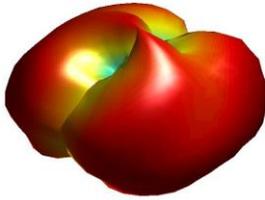
Freq = 0.8500GHz Az= 45 EL= 45



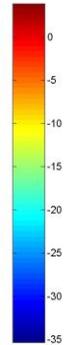
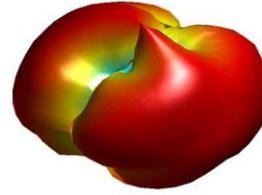
Freq = 0.9GHz Az= 45 EL= 45



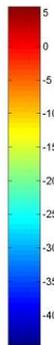
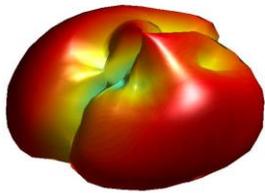
Freq = 1.8GHz Az= 45 EL= 45



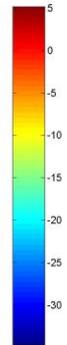
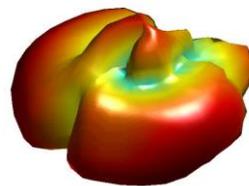
Freq = 1.9GHz Az= 45 EL= 45



Freq = 2.1GHz Az= 45 EL= 45



Freq = 2.41GHz Az= 45 EL= 45



Freq = 2.6GHz Az= 45 EL= 45

