



GPS/GSM QUAD BAND LOW PROFILE BODY MOUNT ANTENNA

Part Number 535

Applications

- Automotive GPS
- Telemetry
- Fleet Management

Main features

- Low profile
- Reduced footprint
- IP 67 protection
- RoHS compliant
- 2,5–6,5 V DC feed
- High decoupling between channels



Main Specifications GSM 850/900/1800/1900

GSM 850 (824–894 MHz)

Gain <math><-2,5 \text{ dBi}</math>

VSWR <math><2,5</math>

Impedance 50 OHM

Polarization linear

GSM 900 (890–960 MHz)

Gain <math><-1 \text{ dBi}</math>

VSWR <math><2</math>

Impedance 50 OHM



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Main Specifications GSM 850/900/1800/1900

GSM 1800 (1710–1880 MHz)

Gain	<0 dBi
VSWR	<2
Impedance	50 OHM
Polarization	linear

GSM 1900 (1850–1990 MHz)

Gain	<-1 dBi
VSWR	<2,5
Impedance	50 OHM

Main Specifications GPS

Gain	<28 dBic
VSWR	<2
Noise Figure	<1,5 dB (@5 V DC 21°C)
Polarisation	circular
Voltage supply	3–6 V DC
Current sink	<20 mA (@5 V DC)
coupling to GSM	<-40 dB (at LNA output)

Dimensions & Al.

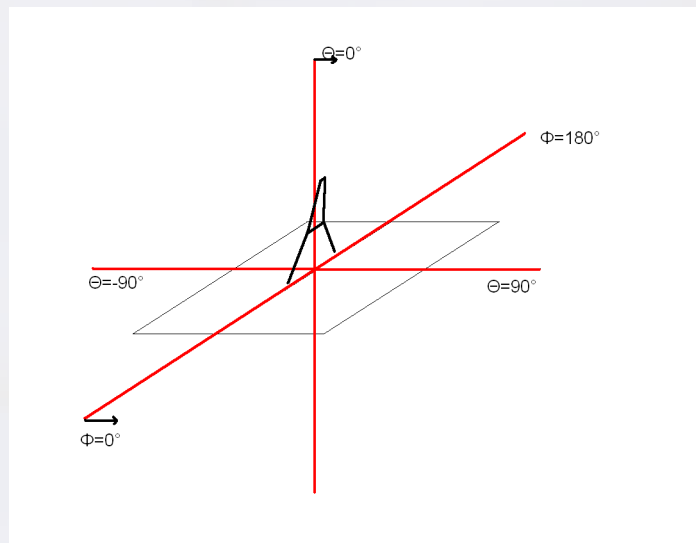
Dimensions	55x40x37 mm
Cable	rg174 RoHS compliant
Cable length	custom



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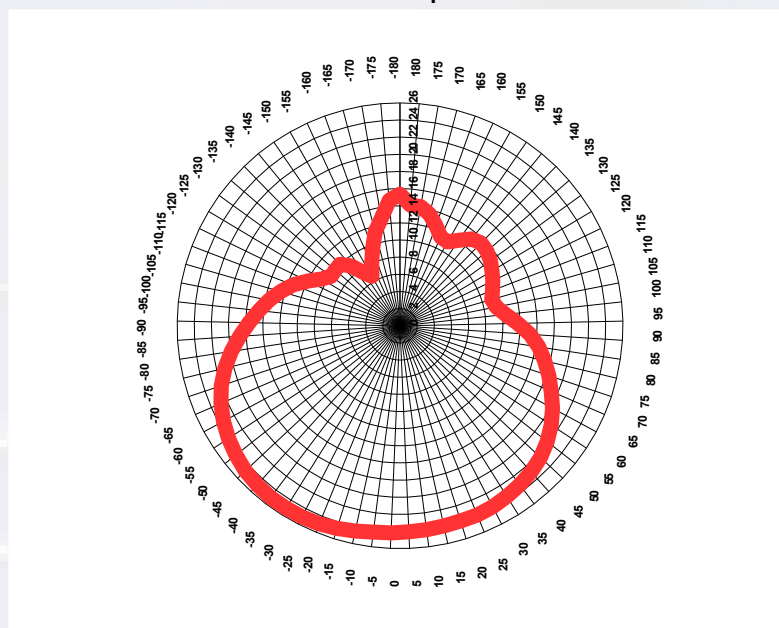
Axis Reference system



GPS channel pattern

e-plane $\phi_i=90^\circ$

measured on a 30x30 cm conductive plane

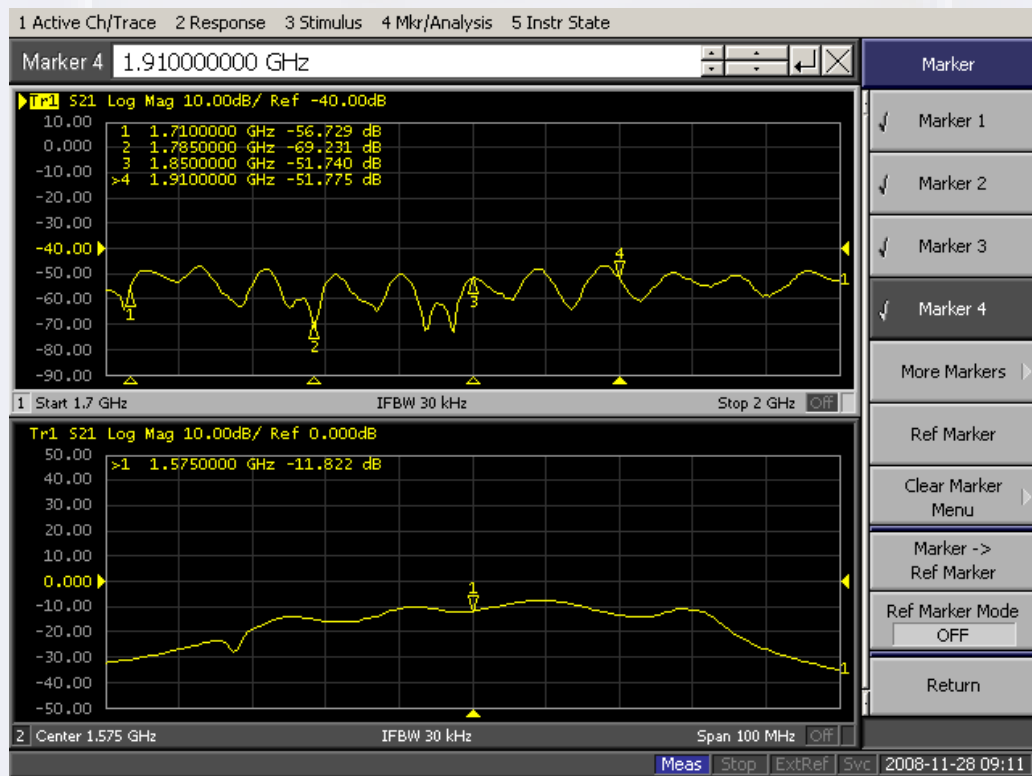




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GPS/GSM channel coupling
measured on a 30x30 cm conductive plane



dynaflex

mobile antennas