

# Multiband Antenna

## 824-2500 MHz

### CSM900



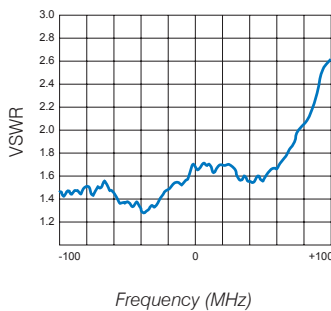
The CSM900 is a low profile, ground independent omni directional antenna designed to cover 3G850, GSM900/1800, PCS1900, 3G2100 and ISM 2.4-2.5GHz bands. Its robust design and low visual impact make it perfect for fixed and mobile data applications. The CSM900 uses a 13mm stud mount with an integrated rubber O-ring seal and is IP65 rated.



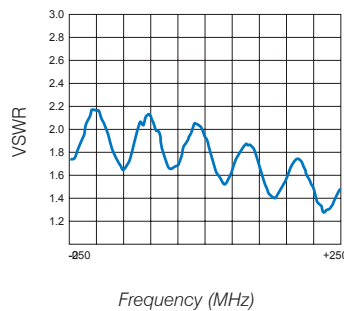
#### Features:

- Polycarbonate radome is ideal for outdoor use
- Stud mounting offers ease of installation in the field
- Ingress protection to IP65
- Supplied standard with 1.25m low loss RG58 cable and SMA male connector
- Other cable/connector configuration available on request

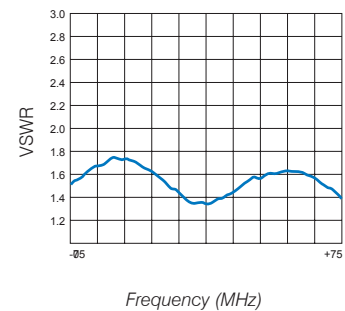
Typical VSWR Response at 824-960 MHz



Typical VSWR Response at 1710-2170 MHz



Typical VSWR Response at 2400-2500 MHz



#### Electrical

Model Number	CSM900
Nominal Gain <i>dBi</i>	1.8 / 2.0 / 3.5
Frequency <i>MHz</i>	824-960 / 1710-2170 / 2400-2500
Tuned Bandwidth <i>MHz</i>	FULL
VSWR (Return Loss)	<2.0:1 / <2.2:1 / <2.0:1
Nominal Impedance $\Omega$	50
Vertical Beamwidth <sup>o</sup>	65 / 40 / 30
Horizontal Beamwidth <sup>o</sup>	OMNI +/- 1 dB
Input Power <i>W</i>	10

#### Mechanical

Model Number	CSM900
Construction	Black polycarbonate radome
Total Length <i>m</i>	0.095
Radome Length <i>m</i>	0.080
Radome Diameter <i>m</i>	0.042 at base to 0.030 at top
Weight <i>kg</i>	0.168
Termination	1.25M low loss RG58 cable terminated with SMA male connector