

# 5G LTE Directional Panel Antenna

698-3800MHz  
CPL6938 Series

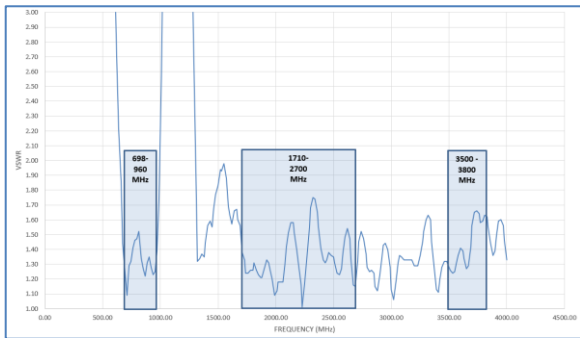


The CPL6938-10M-SMA is a directional panel antenna designed to enhance the performance of a wireless broadband network or cellular device. It covers the full LTE band including 698-960MHz, 1710-2170MHz, 2300-2700MHz & 3500-3800MHz to offer future proof compatibility to all network operators. The antenna is supplied as a ready to install kit which includes the antenna, both wall and pole mounting brackets, installation instructions and a 10m extension cable fitted with an SMA male connector to suit most desk mounted wireless broadband devices (an optional patch lead may be required to connect the antenna to USB modems or devices with connectors other than SMA).



## Features:

- 5.5dBi gain @ 698-960MHz, 7.5dBi @ 1710-2700MHz & 8dBi @ 3500-3800MHz
- IP65 rated housing suitable for indoor or outdoor applications
- Included hardware for pole or wall mounting
- Supplied with 10m low loss extension cable terminated with SMA male connector



## Electrical Specifications

Model Number	CPL6938-10M-N-SMA		
Standards	3G, 4G & 5G		
Frequency MHz	698-960	1710-2700	3500-3800
VSWR	<2.0:1		
Peak Gain dBi	5	7	8
Impedance Ω	50		
Polarisation	Vertical		
Horizontal Beam Width	90° ±10°	55° ±10°	50° ±10°
Vertical Beam Width	85° ±10°	85° ±10°	50° ±10°
Front-to-Back Ratio dB	<15	<14	<13
Max. Power W	25		
Intermodulation IM3 dBc	-153		

## Mechanical Specifications

Model Number	CPL6938-10M-N-SMA
Mounting Type	Wall or Pole
Dimensions mm	165 x 155 x 48
Radome Type	PC/ABS UV Stable
Radome Colour	Cream
Operating Temp. °C	-40 to +85
Cable / Connector	0.3m RG402 terminated with N female connector. 10m RG58A/U terminated with N male & SMA male connectors
Compliance	RoHS