

Indoor MIMO Omni directional Antenna

698-4200MHz
DAS6960-MOC160



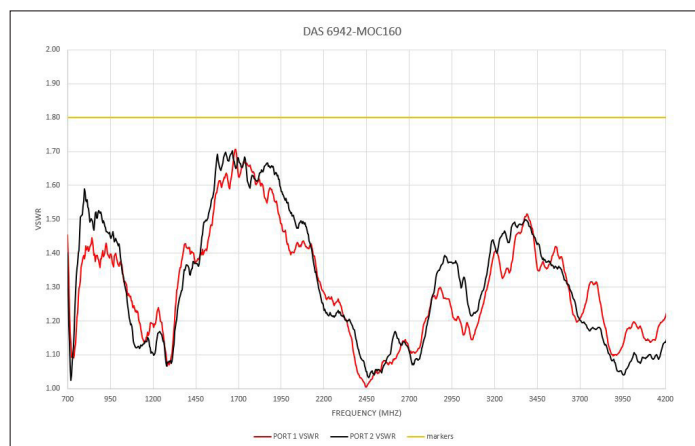
The DAS6960-MOC160 antenna is a high performance ultra-low PIM rated omni-directional ceiling mount antenna, covering 698-4200MHz. RFI's unique design provides wideband coverage, with excellent low PIM characteristics. This antenna works on and off ground plane, suitable for LTE and 5G fixed in-building coverage applications.

Features:

- Industry leading omni-directional pattern
- Ground plane incorporated into design
- Antenna design directs energy downward reducing "wasted" energy in the roof space simultaneously eliminating a potential source of PIM.
- Full cellular coverage from 698-4200MHz
- Ultra-low -160dBc PIM performance
- Stud mount, with dual RG141 tails and 4.3-10 (F) terminations
- Lower profile, 72mm height for improved aesthetics
- Robust coarse M18 thread and nut less susceptible to installation damage
- Australian carrier approved
- Australian made



Typical VSWR



Electrical Specifications

Series	DAS6942-MOC160		
Frequency MHz	698-960	1695-2700	2700-4200
Nominal Gain dBi	2.5	4.3	6
Tuned Bandwidth	Full		
Polarisation	Vertical		
VSWR	1.8:1		
Nominal Impedance Ω	50		
E Plane Beamwidth $^{\circ}$	129 $^{\circ}$	67 $^{\circ}$	50 $^{\circ}$
H Plane Beamwidth $^{\circ}$	Omni		
Input Power W	50W		
PIM (@2 x 43dBm) dBc	≤ -160		

Mechanical Specifications

Series	DAS6942-MOC160
Construction	PCB with UV stable White ABS radome
Dimensions mm	72 x 205mm \varnothing
Weight kg	0.2
Termination	4.3-10 Female on 300mm 141 tail
Relative Humidity	0% to 95% (non condensing)
Operating Temperature $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to +80 $^{\circ}\text{C}$

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