Product Data Sheet

TETRA UHF Ceiling Antenna
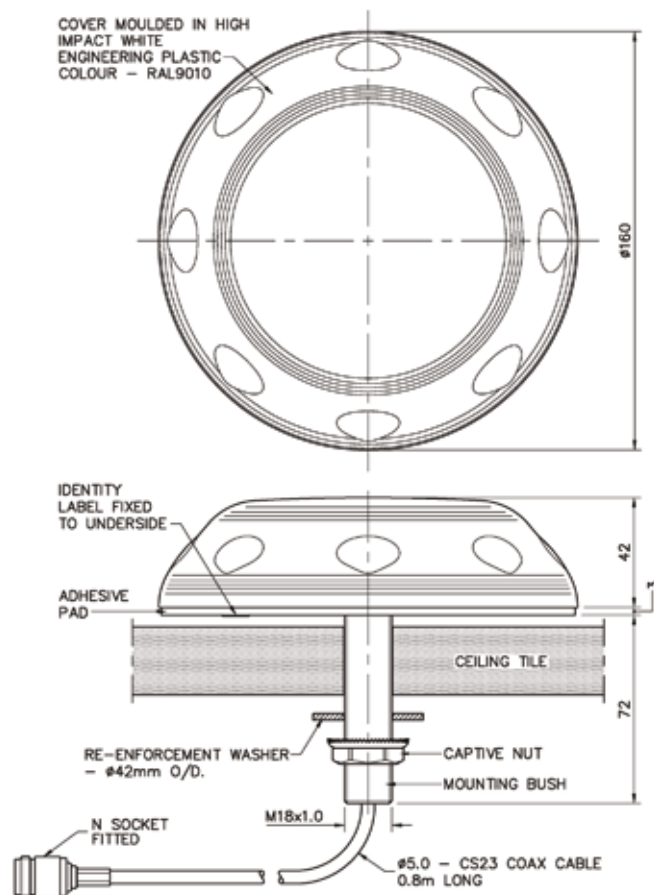
In Building Antennas

TETRA UHF Ceiling Antenna

CM-S1-08NJ

Easy installation

In building TETRA UHF coverage

Suitable for airports and large campus sites

The Panorama TETRA UHF ceiling antenna is designed to enhance network coverage in large buildings for the emergency services. Used in airports, large campus sites and shopping centres the antenna ensures there are no black holes in coverage or a reduction in signal strength.
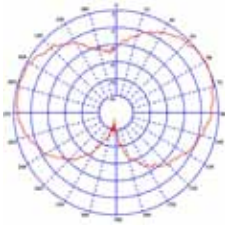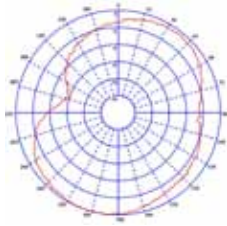
Technical Drawing

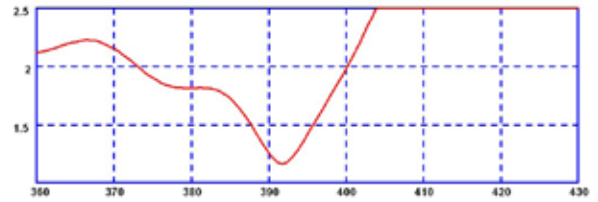COVER MOULDED IN HIGH IMPACT WHITE ENGINEERING PLASTIC COLOUR – RAL9010

ø160

IDENTITY LABEL FIXED TO UNDERSIDE

ADHESIVE PAD

CEILING TILE

42

3

72

RE-ENFORCEMENT WASHER – ø42mm O/D.

CAPTIVE NUT

MOUNTING BUSH

N SOCKET FITTED

M18x1.0

ø5.0 – CS23 COAX CABLE 0.8m LONG

In Building

TETRA UHF Ceiling Antenna

E-Plane (390MHz)

H-Plane (390MHz)

Typical VSWR

Part No.		CM-S1-08NJ	CM-S2-08NJ
Electrical Data			
Frequency Range (MHz)		380-400	410-430
Operational Band		S1	S2
Gain: Isotropic		0dBi	0dBi
Compared to ¼ wave		-2dB	-2dB
Polarisation		Vertical	Vertical
Pattern		Omni-directional	Omni-directional
Impedance		50Ω	50Ω
Max Input Power (W)		25	25
Mechanical Data			
Dimensions (mm)	Height	42	42
	Width	160	160
Operating Temp (°C)		-40° / +80°C	-40° / +80°C
Material		Engineering plastic	Engineering plastic
Colour		White (RAL9010)	White (RAL9010)
Mounting Data			
Fixing		Ceiling tile mounting	Ceiling tile mounting
Mounting hole size (mm)		18	18
Mounting length (mm)		72	72
Cable Data			
Type		CS23 Coaxial Cable	CS23 Coaxial Cable
Thickness (mm)		5	5
Length (m)		0.8	0.8
Termination		N Socket	N Socket

PANORAMA P ANTENNAS