



Product Data Sheet

Ultra Wideband Ceiling Antenna

Ultra Wideband Ceiling Antenna

-  Pentaband
-  3G UMTS
-  GSM / GPRS
-  2.4GHz WLAN
-  Public Safety
-  TETRA UHF
-  WiMAX
-  In Building
-  Omni Directional
-  RoHS Compliant

In Building

Ultra Wideband Ceiling Antenna



CMWB-038-6-NJ

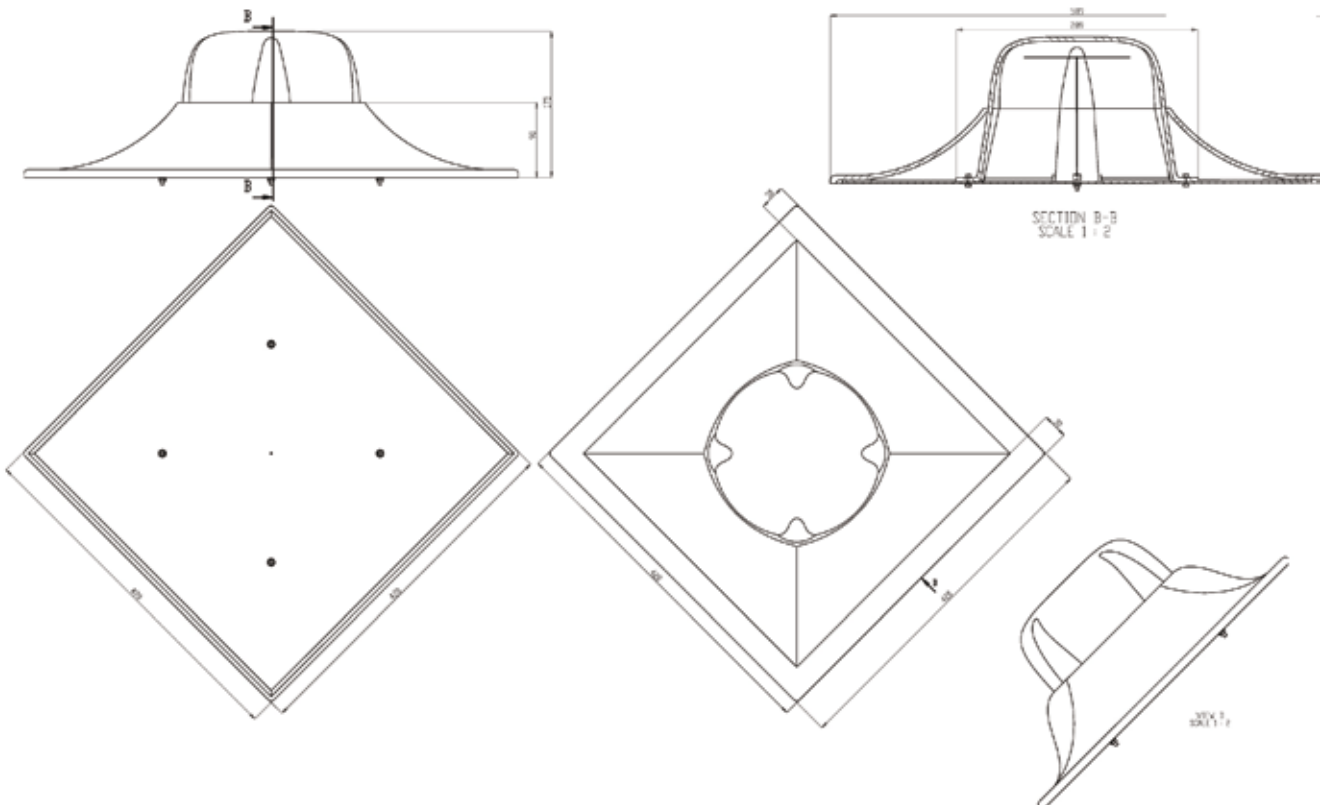
Ultra wideband from 380MHz - 6GHz

Easy installation

Integrate wireless services into one antenna

A true wideband system, Panorama's CMWB-038-6 allows businesses and facilities to support multi-service / multi-operator wireless coverage. Any number or combination of services are supported - including TETRA UHF, GSM400, AWS 1700MHz, Quadband GSM, 3G UMTS, 2.4GHz WLAN, LTE & WiMAX etc. enabling simultaneous mobility for employees, consumers and emergency services and providing in-building service providers and DAS installers with a convenient one size fits all solution.

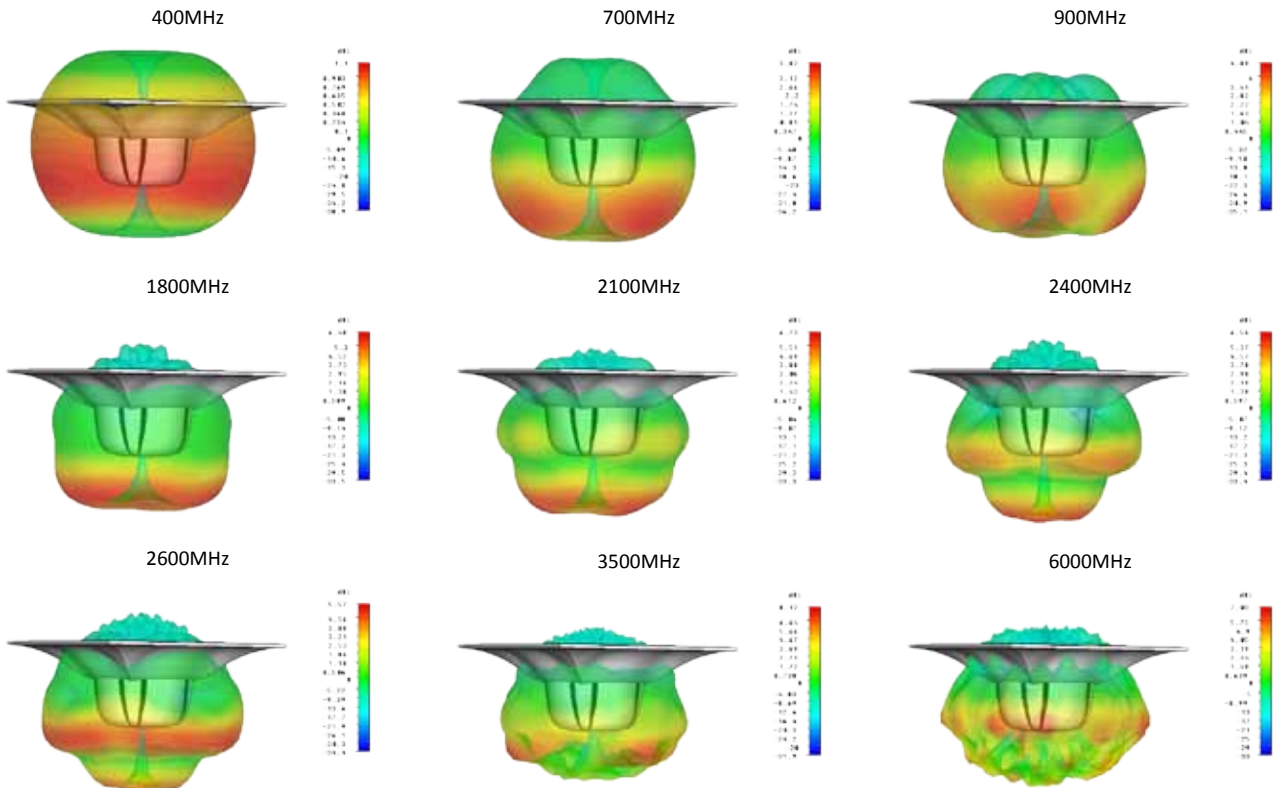
Technical Drawing



In Building Antennas

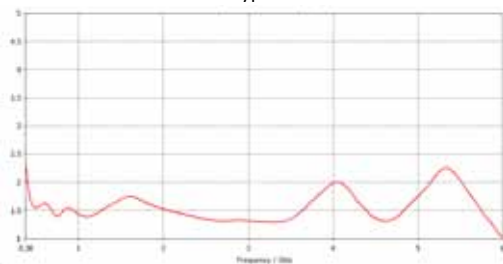
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Simulated 3D Plots

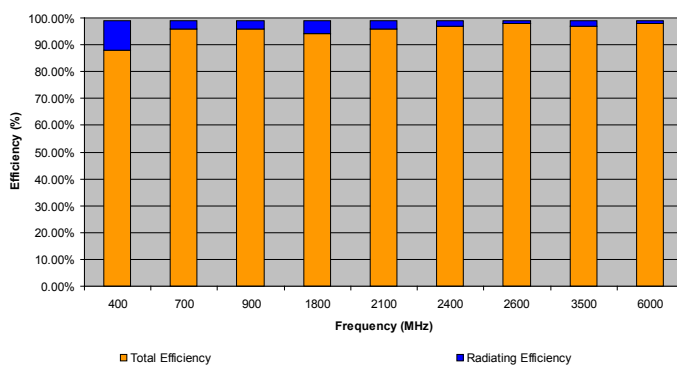


Chamber Measured VSWR

Typical VSWR



Antenna Efficiency



Frequency (MHz)	Radiating Efficiency (%)	Total Efficiency (%)
400	99	88
700	99	96
900	99	96
1800	99	94
2100	99	96
2400	99	97
2600	99	98
3500	99	97
6000	99	98

In Building

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Part No.		CMWB-038-6
Electrical Data		
Frequency Range (MHz)		380-6000
Operational Band		TETRA 380-430, GSM850 / CDMA 800, GSM900, GSM1800, PCS1900, 3G UMTS, 2.4GHz WLAN, LTE, WiMAX
Peak Gain: Isotropic	TETRA 400MHz	1dBi
	AMPS800 / GSM900	4.5dBi
	GSM1800 & GSM1900	6.5dBi
	3G UMTS	6.5dBi
	2.4GHz WLAN	6.5dBi
	6GHz	7.5dBi
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		25
Mechanical Data		
Dimensions (mm)	Height	175
	Width	420
	Length	420
Operating Temp (°C)		-40° / +80°C
Material		Kydex6000
Colour		White
Mounting Data		
Fixing		Via Four 5.5mm Fixing Holes
Diameter (mm)		5.5 / 19
Termination		N Socket

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