

MT-484032/NH

5.15-5.875 GHz 16.5dBi 90deg Horizontal Low-Cost Base Station Antenna

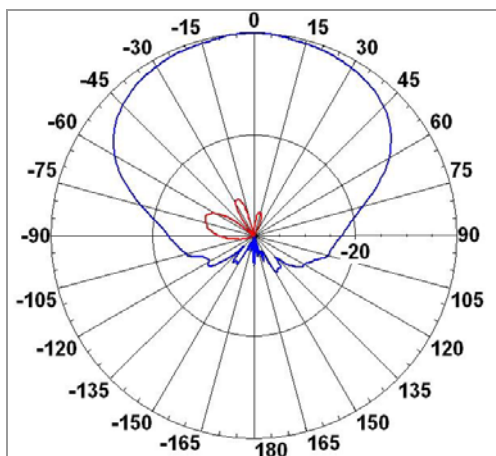


Specifications

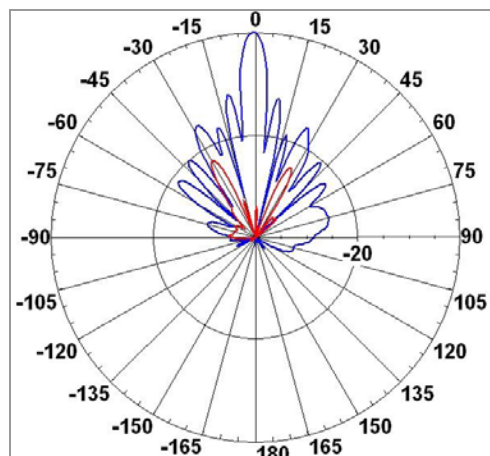
MTI PART NUMBER		MT - 484032/NH		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V.1.1.2 (2001-2006)		
FREQUENCY RANGE		5.15 -5.875 GHz		
GAIN		16.5 dBi $\pm$ 0.3		
VSWR		1.7 : 1 (max)		
13 dB AZIMUTH BEAMWIDTH		88°(min)		
ELEVATION BEAMWIDTH		6° (typ)		
POLARIZATION		Linear Horizontal		
AZIMUTH SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -25dB@ $\pm$ 135°		
ELEVATION SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -12dB (max)		
AZIMUTH CROSS POLARIZATION		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -28dB (max)		
ELEVATION CROSS POLARIZATION		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3		
CROSS POLARIZATION DISCRIMINATION		5.15-5.35 GHz, CS1-CS3, 5.725-5.875GHz, CS1-CS3, -20dB		
F/B RATIO		-28dB @ (max)		
INPUT IMPEDANCE		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -30dB @ (max)		
INPUT POWER		50 (ohm)		
LIGHTNING PROTECTION		6W (max)		
MECHANICAL		DC Grounded		
DIMENSIONS (LxWxD)				
WEIGHT		530x260x27mm (max)		
CONNECTOR		2.5 kg (max)		
RADOME		N-Type Female		
BASE PLATE		Plastic		
OUTLINE DRAWING		Aluminum with chemical conversion coating		
MOUNTING KIT		See page 2		
ENVIRONMENTAL		MT-120019		
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M5
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTAM G53	1000 h	-	-
FLAMMABILITY	UL 94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL	-	-	-	220 Km/h
OPERATION	-	-	-	160 Km/h
WIND LOAD SUR.	FRONT THRUST	-	-	39.4kg
	SIDE THRUST	-	-	4.1 kg

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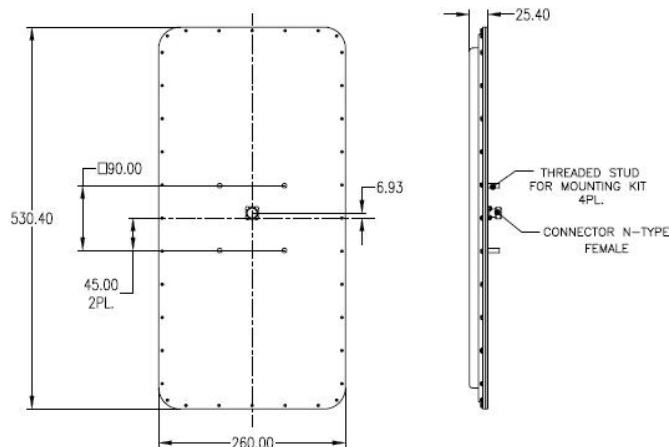
Azimuth Radiation Pattern
Midband Freq. 5.47GHz



Elevation Radiation Pattern
Midband Freq. 5.47 GHz



Dimensions [mm]



Existing Antenna Versions

MTI Wireless Edge is certified according to ISO 9001 and ISO 14001.

WAIVER!

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