

MT-484033/NH

5.15-5.875 GHz 16.5dBi 60deg Horizontal Pol. Low-Cost Base Station Antenna

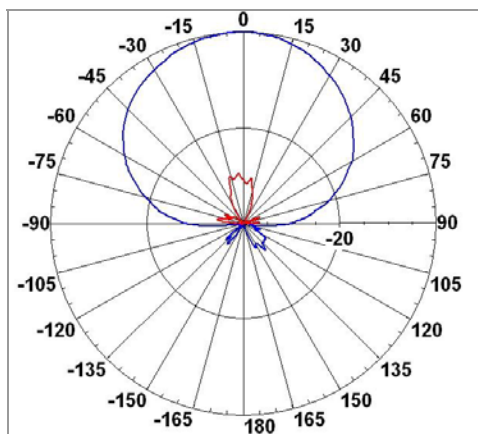


Specifications

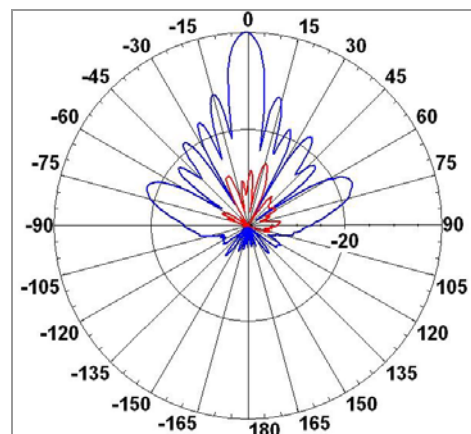
MTI PART NUMBER		MT - 484033/NH		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V.1.1.2 (2001-2006)		
FREQUENCY RANGE		5.15 –5.875 GHz		
GAIN		16.5 dBi (min)		
VSWR		1.7 : 1 (max)		
13 dB AZIMUTH BEAMWIDTH		60°± 4°		
13.5 dB AZIMUTH BEAMWIDTH		57°± 4°		
POLARIZATION		Linear Horizontal		
3 dB ELEVATION BEAMWIDTH		11° (typ)		
AZIMUTH SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -25dB @ ± 90°		
ELEVATION SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -12dB (max)		
CROSS POLARIZATION		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -23dB @ (max)		
F/B RATIO		ETSI EN 302 085 V.1.1.2 (2001-2006) CS1-CS3, -30dB @ (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS (LxWxD)		350x150x30mm (max)		
WEIGHT		1.5 kg (max)		
CONNECTOR		N-Type Female		
RADOME		Plastic		
BASE PLATE		Aluminum with chemical conversion coating		
OUTLINE DRAWING		See page 2		
MOUNTING KIT		MT-120019		
ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERTURE	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 TH.	-	-	-	26.8kg
SIDE TH	-	-	-	2.2 kg

5.15-5.875GHz 16.5dBi 60deg Low-Cost Horizontal Pol.BTS Antenna

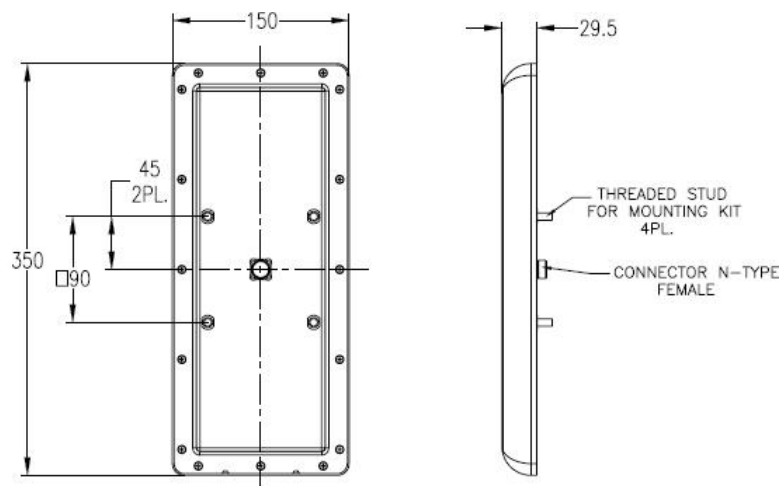
Azimuth Radiation Pattern
Midband Freq. 5.47GHz



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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