

# MT-404007

## 3.3-3.8 GHz 17 dBi 60° Vertical Pol. Base Station Antenna



### Specifications

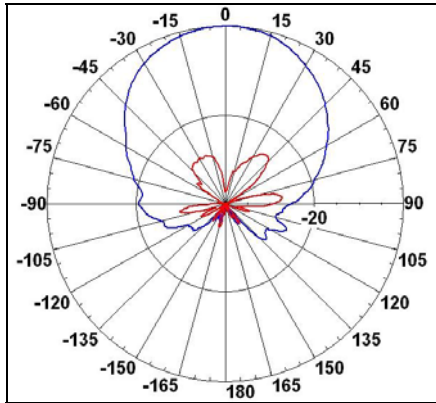
MTI PART NUMBER		MT - 404007
<b>ELECTRICAL</b>		
REGULATORY COMPLIANCE		ETSI EN 302 085 V.1.1.2 (2001-02) Range 1 CS3
FREQUENCY RANGE		3.3-3.8GHz
GAIN		15 dBi (min) @ 3.3-3.4GHz 17 ± 0.5 dBi (min) @ 3.4-3.7GHz 16dBi (min) @ 3.7-3.8GHz
VSWR		1.5 : 1 (typ), 1.7:1 (max)
AZIMUTH BEAMWIDTH @ 13dBi (3.4-3.7GHz)		60° ± 4°
AZIMUTH BEAMWIDTH @ 13dBi (3.3-3.4GHz&3.7-3.8GH)		60° ± 4°
POLARIZATION		Linear Vertical
SIDELOBE LEVEL		AZ ETSI EN 302 085 V.1.1.2 CS3 EL ETSI EN 302 085 V.1.1.2 CS3 @ 3.3-3.7GHz
CROSS POLARIZATION		ETSI EN 302 085 V.1.1.2 CS3 -18 dB (max)
F/B RATIO		-40 dB @ 3.3-3.4GHz -43 dB @ 3.4-3.8GHz
INPUT IMPEDANCE		50 (ohm)
INPUT POWER		6W (max)
LIGHTNING PROTECTION		DC Grounded

<b>MECHANICAL</b>	
DIMENSIONS (LxWxD)	500x200x30.5mm (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

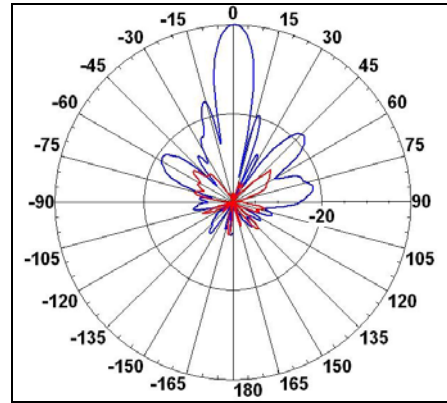
<b>ENVIRONMENTAL</b>					
TEST	STANDARD	DURATION	TEMPERTURE	NOTES	
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	-	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	-	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles	
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M3	
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3	
HUMIDITY	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.	-	-	-	28.8kg	
SIDE THRUST	-	-	-	4.1 kg	

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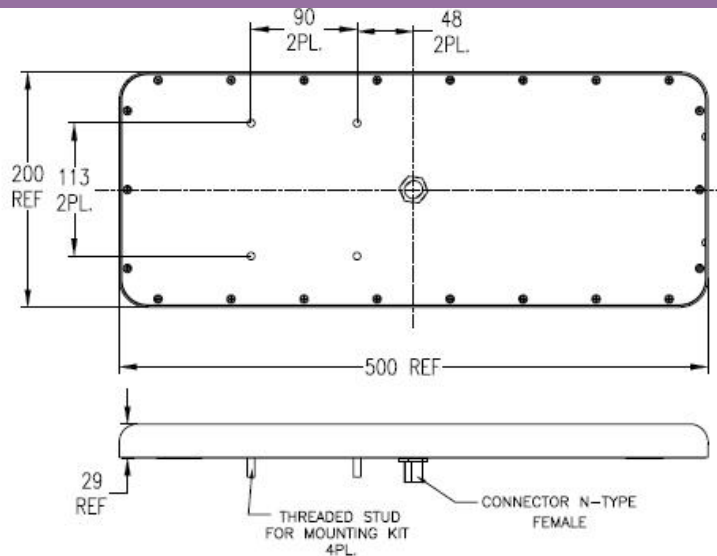
Azimuth Radiation Pattern  
 Midband Freq. 3.5 GHz



Elevation Radiation Pattern  
 Midband Freq. 3.5 GHz



#### Dimensions [mm]



#### Existing Antenna Versions


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

**WAIVER!**

While the information contained in this document has been carefully compiled to the best of our present knowledge, it is not intended as presentation or warranty of any kind on our part regarding the fitness of the products concerned for any particular use or purpose and neither shall any statement contained herein be construed as a recommendation to infringe any industrial property rights or as a license to use any such rights. The fitness of each product for any particular purpose must be checked beforehand with our specialists.

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