



# MT-484032/NV

## 5.15-5.875 GHz 17dBi Base Station Antenna



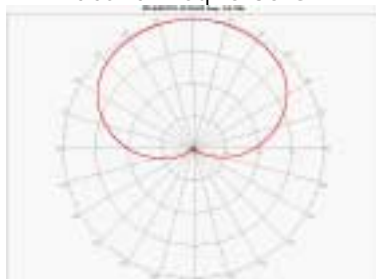
### Specifications

MTI PART NUMBER		MT – 484032/NV		
<b>ELECTRICAL</b>				
FREQUENCY RANGE		5.15-5.875 GHz		
GAIN		17 dBi (min)		
VSWR		1.7 : 1 (max)		
AZIMUTH BEAMWIDTH		90° ± 6°		
13.5 dBi AZIMUTH BEAMWIDTH		57° ± 4°		
POLARIZATION		Vertical		
ELEVATION BEAMWIDTH		7° (typ)		
AZIMUTH SIDELOBES LEVEL		ETSI EN 302-085 V1.1.2 (2001-06) CS1-CS3 -25 dB @ ± 135°		
ELEVATION SIDELOBES LEVEL		ETSI EN 302-085 V1.1.2 (2001-06) CS1-CS3 -12 dB (max)		
CROSS POLARIZATION		ETSI EN 302-085 V1.1.2 (2001-06) CS1-CS3 -20 dB (max)		
F/B RATIO		ETSI EN 302-085 V1.1.2 (2001-06) CS1-CS3 -30 dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
<b>MECHANICAL</b>				
DIMENSIONS (LxWxD)		530x260X11mm (max)		
WEIGHT		2.5 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	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-45°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+70°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67
SOLAR RADIATION	ASTM 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

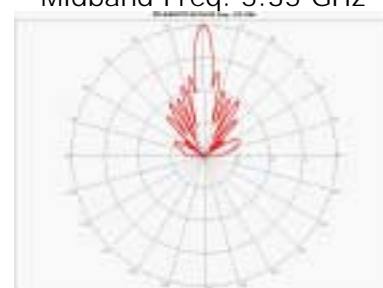
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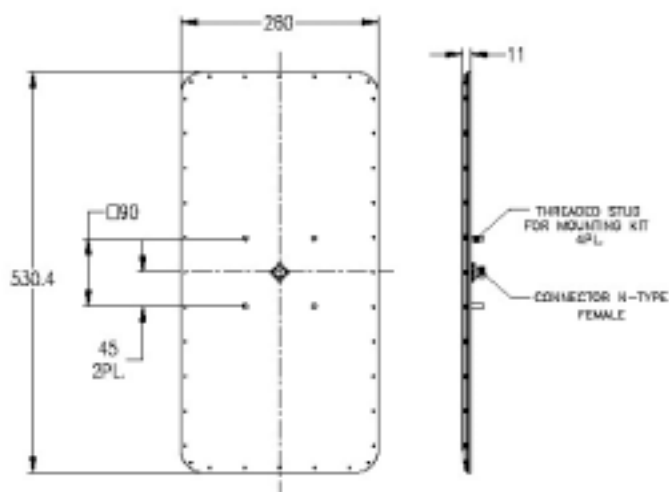
**Azimuth Radiation Pattern**  
Midband Freq. 5.35 GHz



**Elevation Radiation Pattern**  
Midband Freq. 5.35 GHz



#### Dimensions [mm]



#### Existing Antenna Versions

MT-484032/NV	With N – Type Female connector & DC grounding

**MTI group is certified according to ISO 9001 and ISO 14001.**

#### WAIVER!

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