



MT-484033/NH

5.15-5.875 GHz 16.5dBi Base Station Antenna



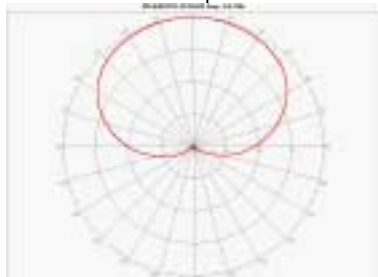
Specifications

MTI PART NUMBER		MT – 484033/NH			
ELECTRICAL					
FREQUENCY RANGE		5.15-5.875 GHz			
GAIN		16.5 dBi (min)			
VSWR		1.7 : 1 (max)			
13 dBi AZIMUTH BEAMWIDTH		60° ± 4°			
13.5 dBi AZIMUTH BEAMWIDTH		57° ± 4°			
POLARIZATION		Horizontal			
3 dB ELEVATION BEAMWIDTH		11° (typ)			
AZIMUTH SIDELOBES LEVEL		ETSI EN 302-085 V1.1.2 (2001-02) CS1-CS3 -25 dB @ ± 90°			
ELEVATION SIDELOBES LEVEL		ETSI EN 302-085 V1.1.2 (2001-02) CS1-CS3 -12 dB (max)			
CROSS POLARIZATION		ETSI EN 302-085 V1.1.2 (2001-02) TS1-TS3 -23 dB (max)			
F/B RATIO		ETSI EN 302-085 V1.1.2 (2001-02) TS1-TS3 -30 dB (max)			
INPUT IMPEDANCE		50 (ohm)			
INPUT POWER		6W (max)			
LIGHTNING PROTECTION		DC Grounded			
MECHANICAL					
DIMENSIONS (LxWxD)		350x150X30mm (max)			
WEIGHT		1.5 Kg (max)			
CONNECTOR		Two 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	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	

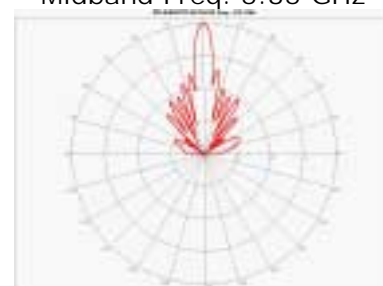
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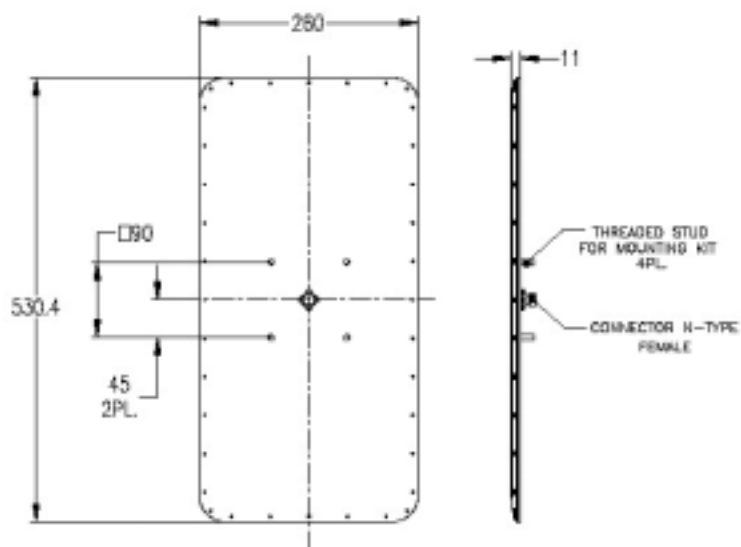
Azimuth Radiation Pattern
Midband Freq. 5.35 GHz



Elevation Radiation Pattern
Midband Freq. 5.35 GHz



Dimensions [mm]



Existing Antenna Versions

MT-484033/NH	With N – Type Female connector & DC grounding

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

WAIVER!

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MTI Wireless Edge Ltd.

11 Hamelacha St.
Afek Industrial Park
Rosh Ha'ayin 48091,
Israel
Tel: +972-3-902-5050
Fax: +972-3-902-5051
www.mtiwe.com