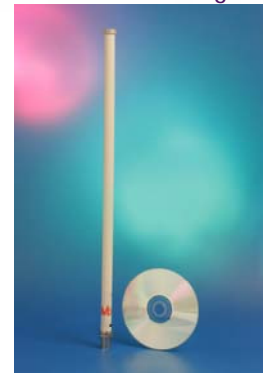


MT-482015/N/A

## 5.725-5.925GHz 10.5dBi Ultra Low-Cost Omni Directional Antenna

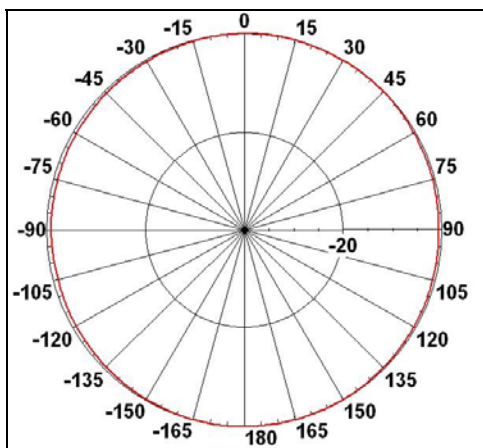


### Specifications

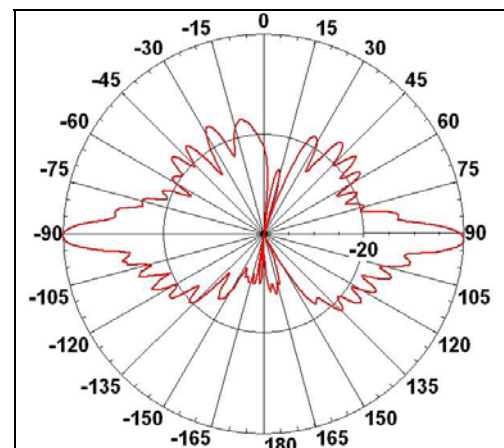
MTI PART NUMBER		MT - 482015/N/A		
ELECTRICAL				
FREQUENCY RANGE		5.725-5.925GHz		
PEAK GAIN		10.5 dBi (min)		
VSWR		1.7:1 (max) 1.5:1 (typ) @ 5.725-5.875 GHz 2:1 (max) @ 5.875-5.925 GHz		
AZIMUTH BEAMWIDTH		Omni		
GAIN + AZIMUTH RIPPPLE		10 ± 1 dB		
ELECTRICAL DOWN TILT		-2.5 ° (typ) @ 5.725 GHz -1.25 ° (typ) @ 5.825 GHz 0 ° (typ) @ 5.925 GHz		
POLARIZATION		Linear Vertical		
E - PLANE BEAMWIDTH		6.5° (typ)		
E - PLANE SIDELOBES		-10 dB (typ)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS - DIAMETER X HEIGHT		16mm X 460mm (max)		
WEIGHT		0.5 kg (max)		
CONNECTOR		N-Type Male		
RADOME		Plastic, UV Resistance		
BASE PLATE		Aluminum with chemical conversion coating		
OUTLINE DRAWING		See page 2		
MOUNTING KIT		Mounted to Radio's N-Female output		
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	-	-	IP64
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

## 5.725-5.925GHz 10.5dBi Ultra Low-Cost Omni Directional Antenna

Azimuth Radiation Pattern  
Midband Freq. 5.825 GHz



Elevation Radiation Pattern  
Midband Freq. 5.825 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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