

**MT-481003/NV**

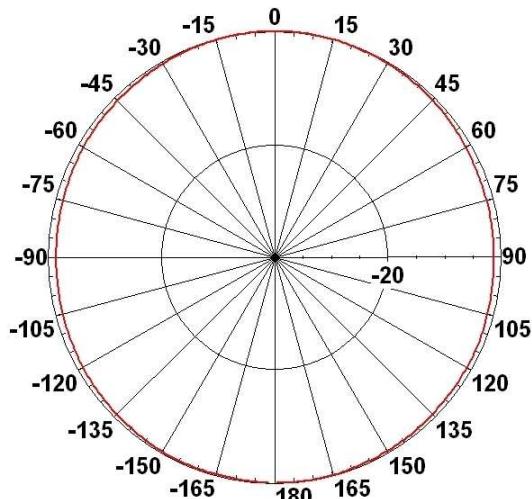
## 5.15-5.875 GHz 5.5dBi Omni directional Antenna

### Specifications

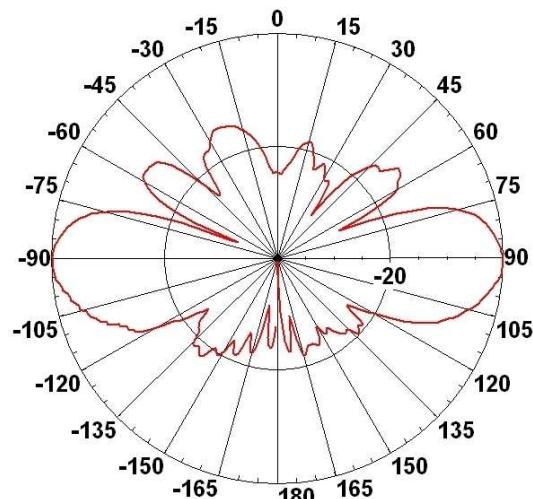
<b>MTI PART NUMBER</b>	<b>MT - 481003/NV</b>			
<b>ELECTRICAL</b>				
REGULATORY COMPLIANCE	RoHS, CE 0682			
FREQUENCY RANGE	5.15 - 5.875 GHz			
PEAK GAIN + AZIMUTH RIPPLE	5.0 dBi $\pm$ 1 dB @ 5.15 - 5.25 GHz 5.5 dBi $\pm$ 1 dB @ 5.25 - 5.47 GHz 6.0 dBi $\pm$ 1 dB @ 5.47 - 5.875 GHz			
GAIN + AZIMUTH RIPPLE @ HORIZON	4.0 dBi $\pm$ 1 dB @ 5.15 GHz, 5.5 dBi $\pm$ 1 dB @ 5.35 GHz 6.0 dBi $\pm$ 1 dB @ 5.55 GHz, 5.5 dBi $\pm$ 1 dB @ 5.75 GHz 4.0 dBi $\pm$ 1 dB @ 5.875 GHz			
VSWR	1.7 : 1 (max) 1.5 : 1 (typ)			
AZIMUTH BEAMWIDTH	Omni - 360°			
POLARIZATION	Linear Vertical			
ELECTRICAL TILT	-8° @ 5.15 GHz, -2° @ 5.35 GHz +1° @ 5.55 GHz, +5° @ 5.75 GHz +8° @ 5.875 GHz			
E - PLANE BEAMWIDTH	22° (typ)			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	6W (max)			
LIGHTNING PROTECTION	DC Grounded			
<b>MECHANICAL</b>				
DIMENSIONS WITH CONNECTOR : DIAMETER X HEIGHT	16mm X 191 mm (max)			
WEIGHT	0.1 kg (max)			
CONNECTOR	N-Type Female			
RADOME	Plastic, UV Resistant			
OUTLINE DRAWING	See page 2			
MOUNTING KIT	Mounted to pole ø1.5" - ø3" by the means of 2 clamps.			
<b>ENVIRONMENTAL</b>				
<b>TEST</b>	<b>STANDARD</b>	<b>DURATION</b>	<b>TEMPERATURE</b>	<b>NOTES</b>
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	-	-
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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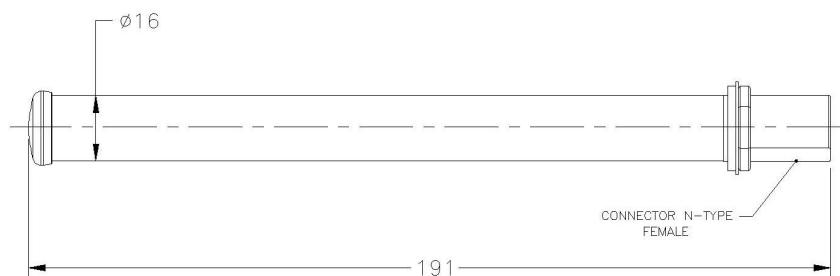
Azimuth Radiation Pattern  
Midband Freq. 5.35 GHz



Elevation Radiation Pattern  
Midband Freq. 5.35 GHz



### Dimensions [mm]



### Existing Antenna Versions

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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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