



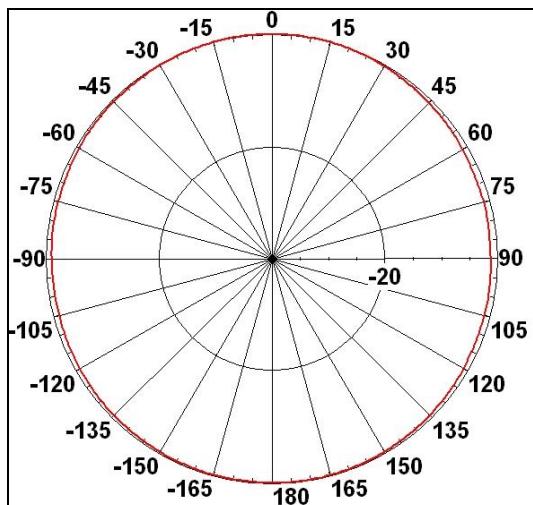
## 3.4-3.7GHz 8.5dBi Omni directional Antenna

### Specifications

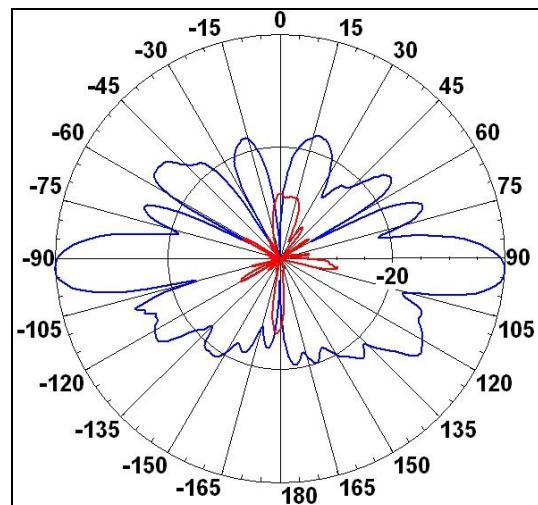
MTI PART NUMBER	MT - 402009/N/A			
ELECTRICAL				
REGULATORT COMPLIANCE	ETSI EN 302 085 V1.2.2 (2003-08), RoHS, CE 0682			
FREQUENCY RANGE	3.4-3.7GHz			
PEAK GAIN & AZIMUTH RIPPLE	9.0 dBi ± 1 dB			
VSWR	1.7:1 (max) @ 3.4-3.6GHz, 1.8:1 (max) @ 3.6-3.7GHz			
AZIMUTH BEAMWIDTH	360 °			
GAIN & AZIMUTH RIPPLE @ HORIZON	8.0 dBi ± 1 dB @ 3.4GHz 9.0 dBi ± 1 dB @ 3.5GHz 8.5 dBi ± 1 dB @ 3.6GHz			
ELECTRICAL TILT	-3° (typ) @ 3.4 GHz 0° (typ) @ 3.5 GHz +3° (typ) @ 3.6 GHz 3.5° (typ) @ 3.7 GHz			
POLARIZATION	Linear Vertical			
E - PLANE BEAMWIDTH	11 ° (typ)			
CROSS POLARIZATION DISCRIMINATION	-20 dB			
INPUT IMPEDANCE	50 (ohm)			
INPUT POWER	6 W (max)			
LIGHTNING PROTECTION	DC Grounded			
MECHANICAL				
DIMENSIONS - DIAMETER X HEIGHT	28mm X 465mm (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 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	-	-
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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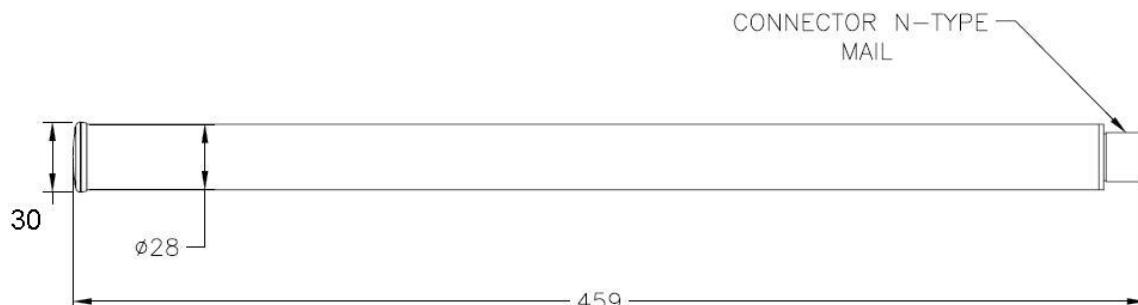
Azimuth Radiation Pattern  
Midband Freq. 3.4 GHz



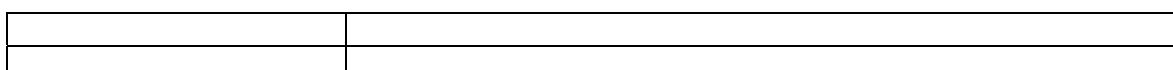
Elevation Radiation Pattern  
Midband Freq. 3.4 GHz



### Dimensions [mm]



### Existing Antenna Versions



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

#### WAIVER!

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