

## MT-364022/NH

### 2.5-2.7GHz 16.5dBi 90° Horizontal Antenna

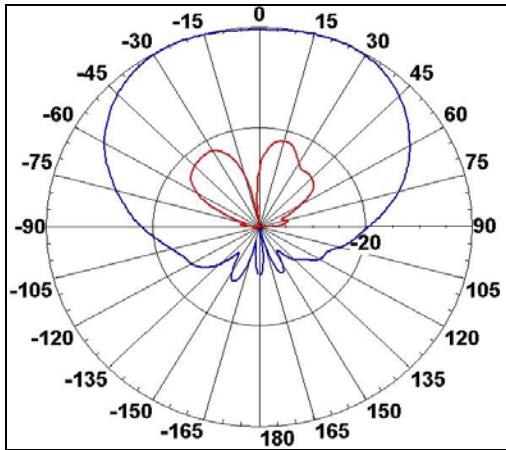


#### Specifications

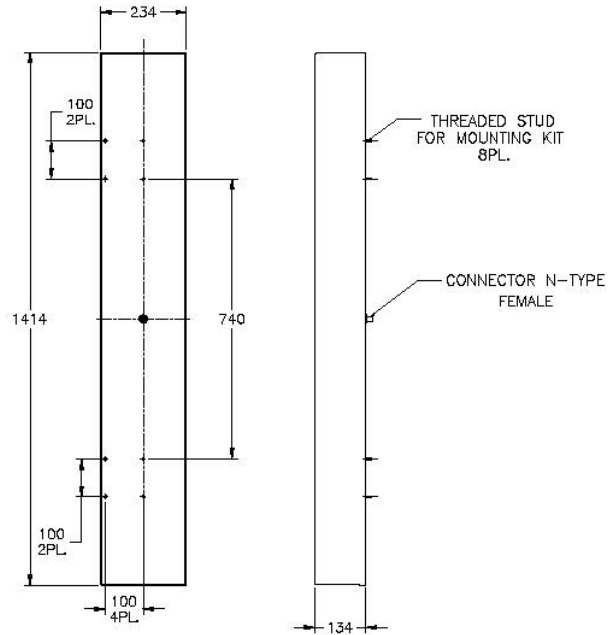
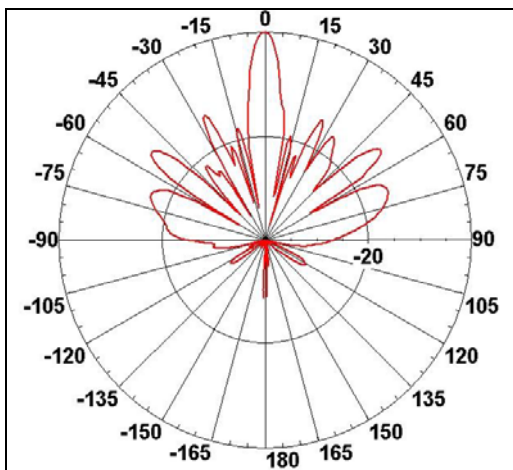
MTI PART NUMBER		MT - 364022/NH			
<b>ELECTRICAL</b>					
FREQUENCY RANGE	2.5-2.7 GHz				
GAIN	16.5 dBi (min) @ 2.5 GHz				
	16 dBi (min) @ 2.6 GHz				
	17 dBi @ 2.7 GHz				
VSWR	1.5 : 1 (typ) 1.7:1 (max)				
AZIMUTH BEAMWIDTH	90°± 5°				
POLARIZATION	Linear Horizontal				
ELEVATION BEAMWIDTH	5° (min)				
CROSS POLARIZATION	-20 dB (max) @ 0° to ± 90°				
	-28 dB (max) @ ± 90° to ± 135°				
	-32 dB (max) @ ± 135° to ± 180°				
F/B RATIO	-26 dB (max)				
INPUT IMPEDANCE	50 (ohm)				
INPUT POWER	6W				
LIGHTNING PROTECTION	DC Grounded				
<b>MECHANICAL</b>					
DIMENSIONS (LxWxD)	1414x234x133mm (max)				
WEIGHT	7 kg (max)				
CONNECTOR	N-Type Female				
RADOME	Plastic				
BASE PLATE	Aluminum with chemical conversion coating				
OUTLINE DRAWING	See page 2				
MOUNTING KIT - MT-120021	Electrical Down Tilt;0°±0.5(mesh down tilt mount 0-5°min)				
<b>ENVIRONMENTAL</b>					
TEST	STANDARD	DURATION	TEMPERATURE	NOTES	
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	-	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	-	
TEMP. CYCLE	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles	
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random4M3	
MECHANICAL SHOCK	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	-	-	
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	
WIND LOAD (SURVIVAL)	FRONT TRHRUST	-	-	95.3 kg	
	SIDE TRHRUST	-	-	54.2 kg	

## 2.5-2.7 GHz 16.5 dBi 90° Horizontal Antenna

Azimuth Radiation Pattern Midband Freq. 2.5 GHz	Dimensions [mm]
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Azimuth Radiation Pattern  
Midband Freq. 2.5 GHz



MT-364022/HN

### 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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