

## MT-344041/N

# 2.3-2.7 GHz 17.5 dBi Broadband Subscriber Antenna

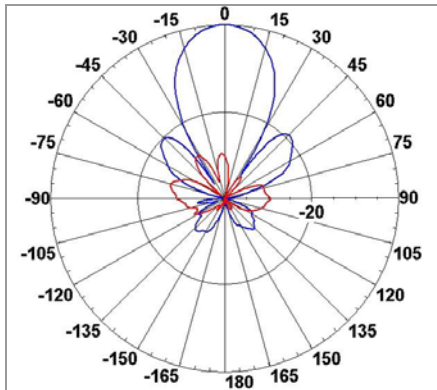


### Specifications

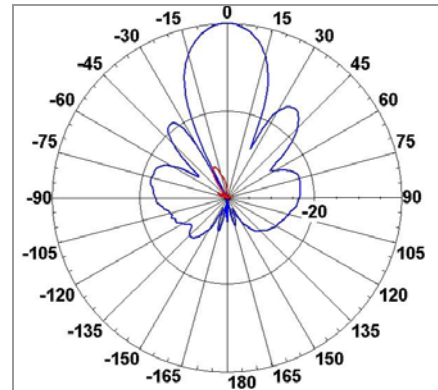
MTI PART NUMBER		MT - 344041/N			
<b>ELECTRICAL</b>					
REGULATORY COMPLIANCE		ETSI EN 301 525 V1.1.1 (2000-06) RoHS, CE 0682			
FREQUENCY RANGE		2.3-2.7 GHz			
GAIN		15.5 dBi (min) @ 2.3-2.4 GHz 17 dBi (min) @ 2.4-2.5 GHz 17.5 dBi (min) @ 2.5-2.6GHz 18 dBi (min) @ 2.6-2.7 GHz			
VSWR		1.7 :1 (max), 1.5 : 1 (typ)			
3dB BEAMWIDTH		20 ° (typ)			
POLARIZATION		Linear Vertical or Horizontal			
SIDELOBES LEVEL		ETSI EN 301-525 V1.1.1 (2000-06) TS2			
CROSS POLARIZATION		ETSI EN 301-525 V1.1.1 (2000-06) TS2 -20 dB (max)			
F/B RATIO		ETSI EN 301-525 V1.1.1 (2000-06) TS2 -28 dB			
INPUT IMPEDANCE		50 (ohm)			
INPUT POWER		6W (max)			
LIGHTNING PROTECTION		DC Ground			
<b>MECHANICAL</b>					
DIMENSIONS (LxWxD)		305x305x25mm (max)			
WEIGHT		1.2 (kg) (max)			
CONNECTOR		N-Type Female			
RADOME		Plastic			
BASE PLATE		Aluminum with chemical conversion coating			
OUTLINE DRAWING		See page 2			
MOUNTING KIT		120018			
<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. 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	UL94	-	-	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 THRUST	-	-	26.8 kg	
	SIDE THRUST	-	-	2.2 kg	

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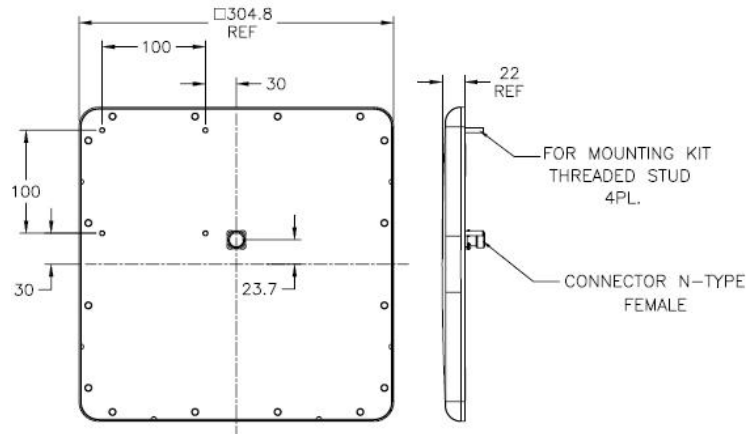
Azimuth Radiation Pattern  
 Midband Freq. 2.4GHz



Elevation Radiation Pattern  
 Midband Freq. 2.4GHz



### Dimensions [mm]



MT-344041/N

### Existing Antenna Versions

MT-344041/S/E	Integrated Antenna Enclosure Version

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

#### WAIVER!

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