

MT-404014/NV/A

3.3-3.8 GHz 14.5 dBi 90° Vertical Pol. Cosecant Squared Null Fill BTS Antenna

Specifications

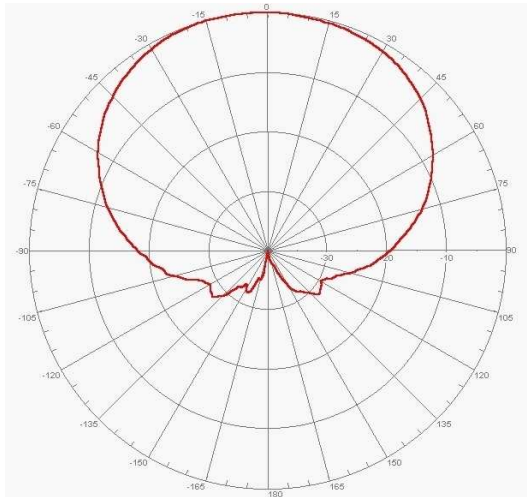
MTI PART NUMBER		MT - 404014/NV/A
ELECTRICAL		
REGULATORY COMPLIANCE		ESTI EN 302 085 V.1.1.2 (2001-02) CSI,CS2,CS3
FREQUENCY RANGE		3.3-3.8GHz
GAIN		14.5 (min)
VSWR		1.7:1 (max) @ 3.4-3.7GHz 2:1 (max) @ 3.3-3.4GHz and 3.7-3.8GHz
-3 dB BEAMWIDTH	AZIMUTH	90° (min)
	ELEVATION	9° ± 1°
POLARIZATION		Vertical
SIDELOBES LEVEL		ETSI EN 302 085 V.1.1.2 (2001-02) CS1,CS2,CS3
ELEVATION NULL FILL		-20 dB (max)
ELECTRICAL DOWNTILT		-1° (typ)
CROSS POLARIZAION		-22 dB (max)
F/B RATIO		-36 dB (max)
INPUT IMPEDANCE		50 (ohm)
INPUT POWER		6W (max)
LIGHTNING PROTECTION		DC Grounded

MECHANICAL		
DIMENSIONS (LxWxD)		536x360x30mm (max)
WEIGHT		2.3 kg (max)
CONNECTOR		N-Type Female
RADOME		Plastic
BASE PLATE		Aluminum with chemical conversion coating
OUTLINE DRAWING		See page 2
MOUNTING KIT		MT-120019

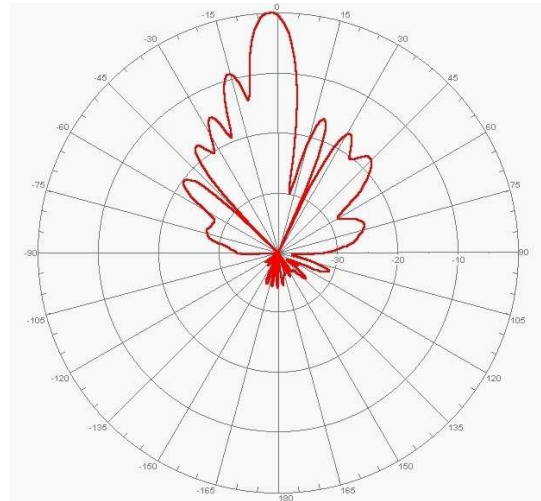
ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERTURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55° C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71° C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45° C +70° C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M3
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP63
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 SUR. FRONT TH.	-	-	-	55.1kg
SIDE THRUST	-	-	-	4.6 kg

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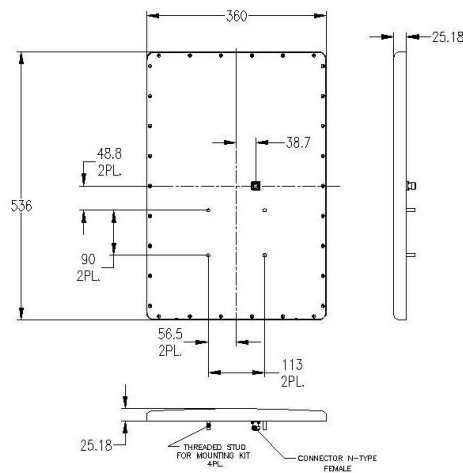
Azimuth Radiation Pattern
 Midband Freq. 3.6 GHz



Elevation Radiation Pattern
 Midband Freq. 3.6 GHz



Dimensions [mm]



Existing Antenna Versions

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

WAIVER!

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