

MT-484026/NVH

5.15-5.875GHz 16dBi 60deg Dual Pol. Null Filled Base Station Antenna

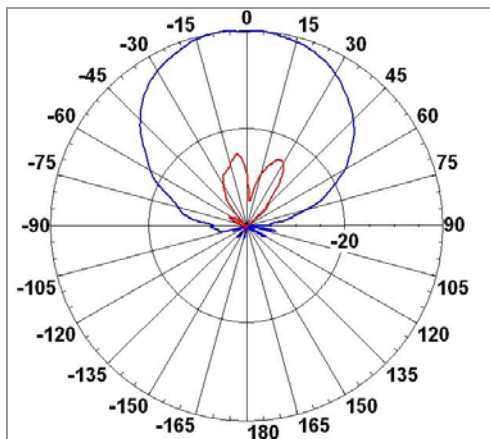


Specifications

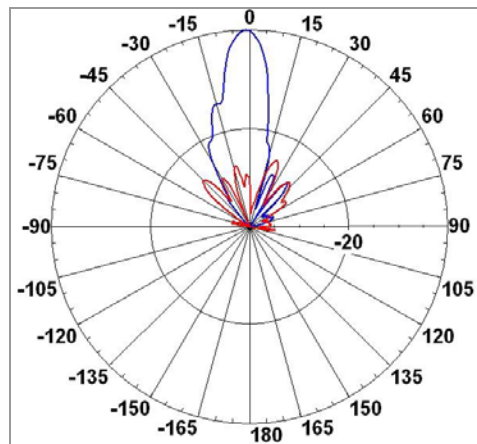
MTI PART NUMBER		MT - 484026/NVH		
ELECTRICAL				
REGULATORY COMPLIANCE		ETSI EN 302 085 V1.1.2 (2001-2002)		
FREQUENCY RANGE		5.15 – 5.875GHz		
GAIN		PORT V: 16 dBi (min) , PORT H: 15dBi		
VSWR		1.7 : 1 (max)		
AZIMUTH BEAMWIDTH		Port V: ETSI EN 302 085 V1.1.2 CS1-CS3 13 dBi 60° ± 4 Port H: ETSI EN 302 085 V1.1.2 CS1-CS3 12 dBi -4/ +7		
POLARIZATION		Dual Vertical & Horizontal		
ELEVATION BEAMWIDTH		10° ± 4°		
SIDELOBES LEVEL		-30 dB (max) @ ± 90°		
ELEVATION NULL FILL BELOW HORIZON		ETSI EN 302 085 V1.1.2 CS1-CS3		
		1 ST NULL	-15 dB (min) @ 10°	
		2 nd NULL	-25 dB (min) @ 20°	
CROSS POLARIZATION		ETSI EN 302 085 V1.1.2 CS1-CS3 -24 dB (max)		
PORT TO PORT ISOLATION		-35dB		
F/B RATIO		-30dB (max)		
INPUT IMPEDANCE		50 (ohm)		
INPUT POWER		6W (max)		
LIGHTNING PROTECTION		DC Grounded		
MECHANICAL				
DIMENSIONS (LxWxD)		436x250x10mm (max)		
WEIGHT		2.2 kg (max)		
CONNECTOR		2 x 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	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	-	Random 4M5
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP54
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.	-	-	-	31.4kg
SIDE TH	-	-	-	1.3kg

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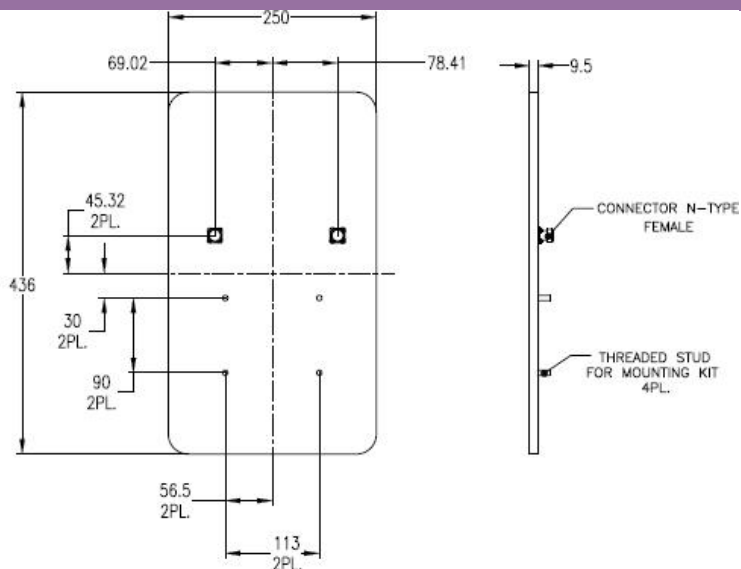
Azimuth Radiation Pattern
Midband Freq. 5.35 GHz



Elevation Radiation Pattern
Midband Freq. 5.35 GHz



Dimensions [mm]



Existing Antenna Versions

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

WAIVER!

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