

MT-484026/NVH



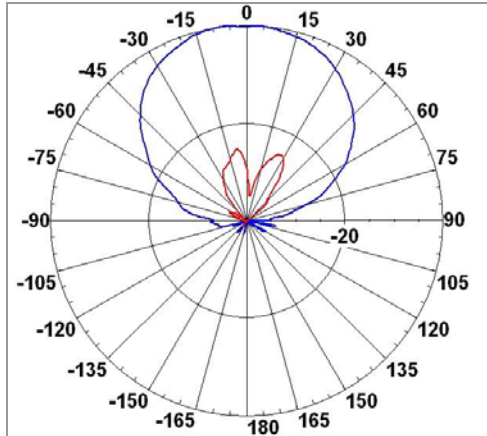
5.15-5.875GHz 16dBi 60deg Dual Pol. Null Filled Base Station Antenna

Specifications

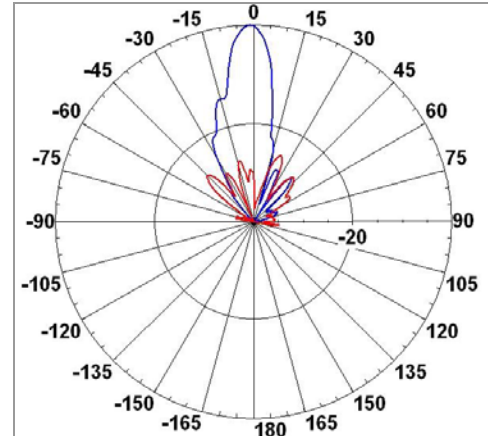
MTI PART NUMBER		MT - 484026/NVH		
ELECTRICAL				
REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-2002)			
FREQUENCY RANGE	5.15 - 5.875GHz			
GAIN	PORT V: 16 dBi (min) , PORT H: 15dBi			
VSWR	1.7 : 1 (max)			
AZIMUTH BEAMWIDTH	Port V: ETSI EN 302 085 V1.1.2 CS1-CS3 13 dBi 60° ± 4 Port H: ETSI EN 302 085 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	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 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

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

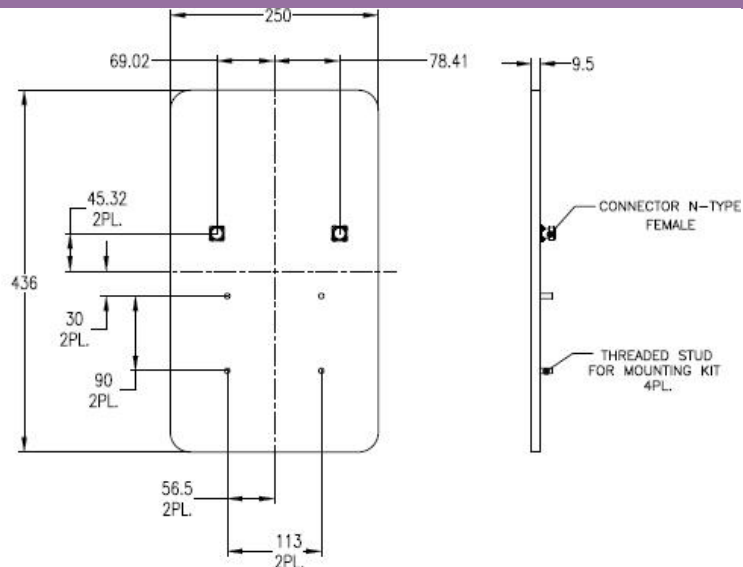
Azimuth Radiation Pattern
 Midband Freq. 5.35 GHz



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!

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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