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DIRECTIONAL (CPE) ANTENNAS

MT-485053/NVH
5.15-5.875 GHZ 19.5 DBI DUAL POLARIZATION DIRECTIONAL ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	ESTI EN 302 326-3 V1.1.2 (2006-03) RoHS , CE 0682
FREQUENCY RANGE	5.15 – 5.875 GHz
GAIN	19.0 ± 0.5 dBi @ 5.15-5.725 GHz 19.5 ± 0.5 dBi @ 5.725-5.875 GHz
VSWR	1.5 : 1 (typ), 1.7:1 (max)
POLARIZATION	Dual Linear (Vertical and Horizontal)
3dB ELEVATION BEAMWIDTH	17°(typ)
3dB AZIMUTH BEAMWIDTH	17° (typ)
AZIMUTH SIDELobe LEVEL	-10dB (typ)
ELEVATION SIDELobe LEVEL	-10 dB (max)
F/B RATIO	-30dB (min)
CROSS POLARIZATION	-20 dB (typ)
PORT TO PORT ISOLATION	30 dB (min)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

DIMENSIONS (LxWxD)	190x190x30.5mm (max)
CONNECTOR	2 xN-Type Female
WEIGHT	0.7 kg (max)
MOUNTING KIT	120018/A
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	See Below

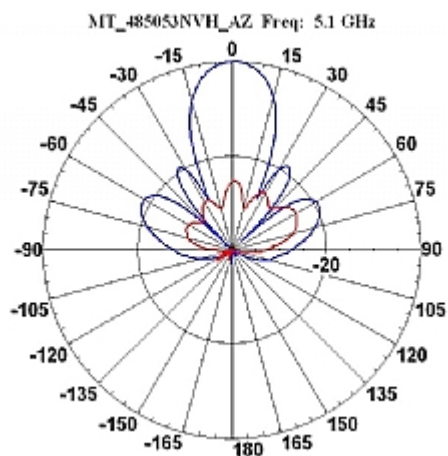
ENVIRONMENTAL

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		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	1000h		
FLAMMABILITY	UL 94			Class HB
SALT SPRAY	IEC 68-2-11 Ka	500h		
ICE AND SNOW				25mm Radial
WIND SPEED SURVIVAL OPERATION				220 Km/h 160 Km/h
WIND LOAD (SURVIVAL)				10.5 kg
FRONT THRUST				1.6 kg
SIDE THRUST				

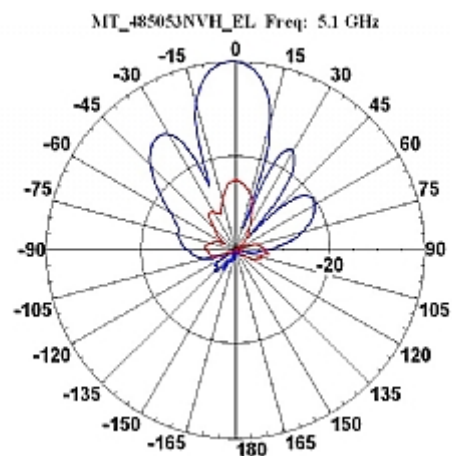
Existing Antenna Versions

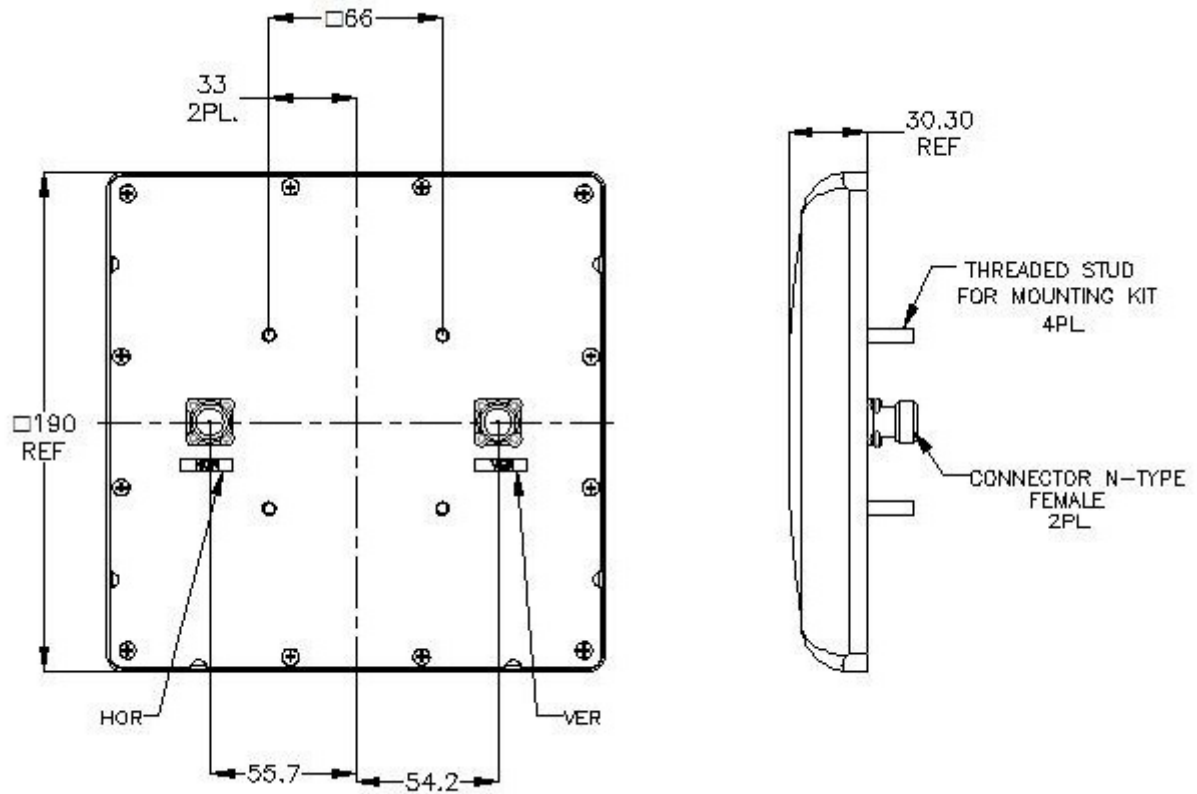
MT-485053/SVH/R	Half foot Integrated Antenna Enclosure
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**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 5.1 GHZ**



**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 5.1 GHZ**





WAIVER!

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