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DIRECTIONAL (CPE) ANTENNAS

MT-465019/NVD
4.9-6.1 GHZ 17/19DBI TRIPLE POLARITY DIRECTIONAL ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	4.9-6.1 GHz
GAIN	19dBi (min) Vertical 17dBi (min) Dual Slant
VSWR	1.8 : 1 (max) 1.5 ; 1 (typ)
POLARIZATION	Triple Polarization
3 dB BEAMWIDTH	20° (typ)
SIDELOBES LEVEL	-15
F/B RATIO	-35 dB (max)
CROSS POLARIZATION	-20
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

DIMENSIONS (LxWxD)	305x305x15mm (max)
CONNECTOR	3*N-Type Female
WEIGHT	1.5 kg (max)
MOUNTING KIT	120018/A
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating

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	2000h		
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)				26.8 kg
FRONT THRUST				1.3 kg
SIDE THRUST				

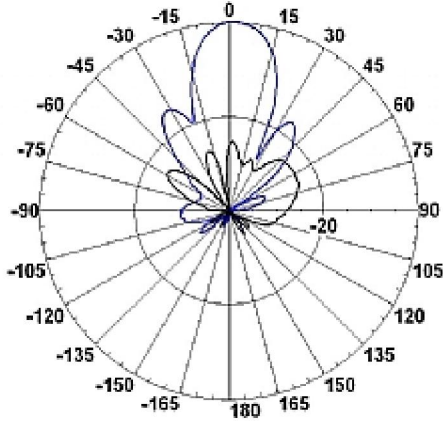
Existing Antenna Versions:

MT-465019/SVD/E	Same antenna, matching 1 foot enclosure (MT-900007 / MT-900042)
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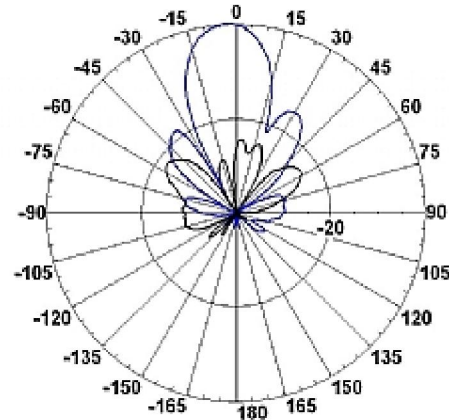
**AZIMUTH RADIATION PATTERN MIDBAND FREQ.
5.725 GHZ**

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

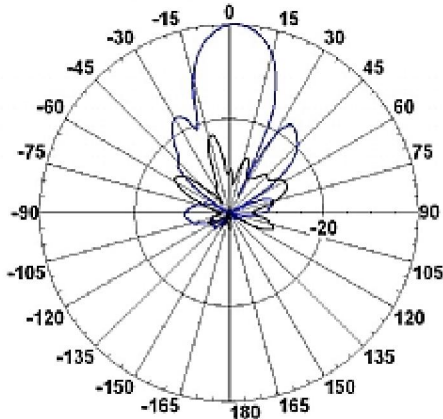
MT_465019NVD_PORT_+45_AZ_PLANE Freq: 5.725 GHz



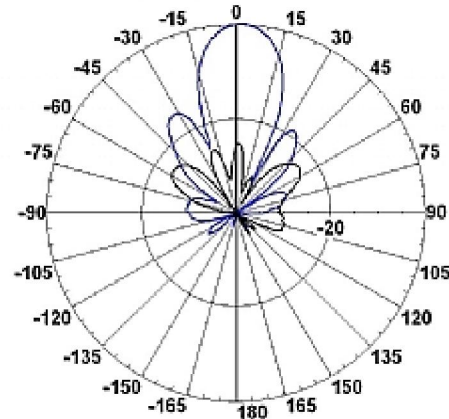
MT_465019NVD_PORT_+45_EL_PLANE Freq: 5.725 GHz



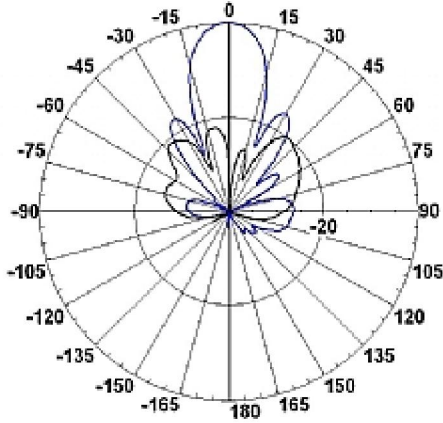
MT_465019NVD_PORT_-45_AZ_PLANE Freq: 5.725 GHz



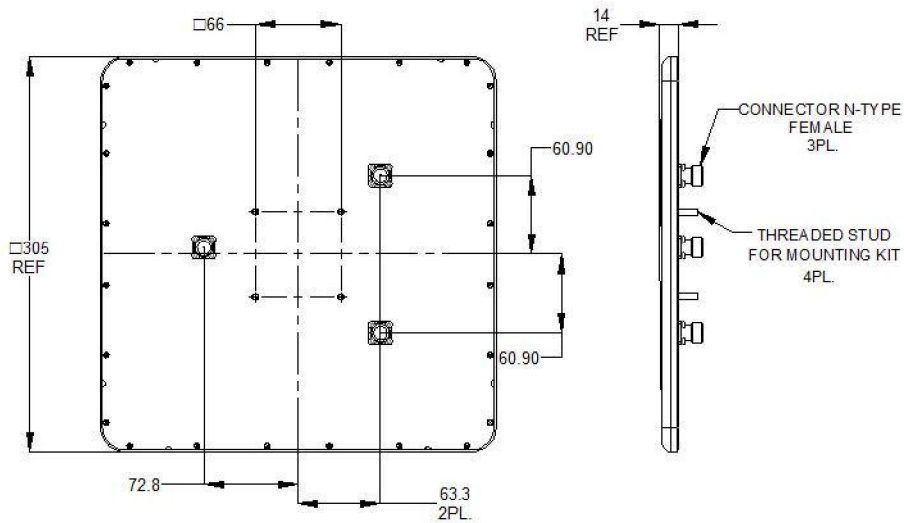
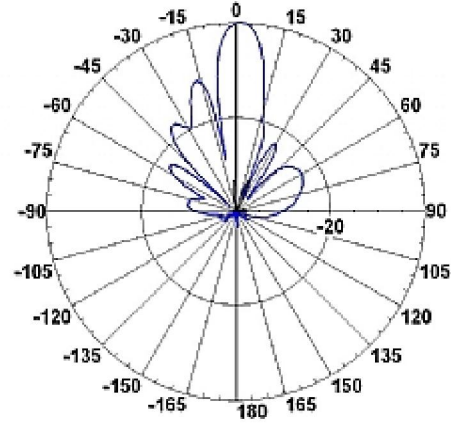
MT_465019NVD_PORT_-45_EL_PLANE Freq: 5.725 GHz



MT_465019NVD_PORT_V_AZ_PLANE Freq: 5.725 GHz



MT_465019NVD_PORT_V_EL_PLANE Freq: 5.725 GHz



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