

DIRECTIONAL (CPE) ANTENNAS

MT-466010/NVH

4.9 - 6.425 GHZ 28 DBI DUAL POLARIZATION DIRECTIONAL ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	ETSI EN 302 326- V1.1.2 (2006-03) RoHS , CE 0682
FREQUENCY RANGE	4.9 - 6.425 GHz
GAIN	26.0dBi $\pm$ 1.0 dB @ 4.9-5.15GHz 28.0dBi $\pm$ 1.0 dB @ 5.15-6.25GHz 27.0dBi $\pm$ 1.0 dB @ 6.25-6.425GHz
VSWR	2.0 : 1 (max) @ 4.9-6.25GHz 2.3 : 1 (max) @ 6.25-6.425GHz
POLARIZATION	Dual Linear (Vertical and Horizontal)
3 dB BEAMWIDTH	5°(typ)
SIDELOBES LEVEL	ETSI EN 302 326-3 V1.1.2 DN3
F/B RATIO	-40 dB (max)
CROSS POLARIZATION	ETSI EN 302 326-3 V1.1.2 DN3
PORT TO PORT ISOLATION	-25 dB (max) , -30 dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

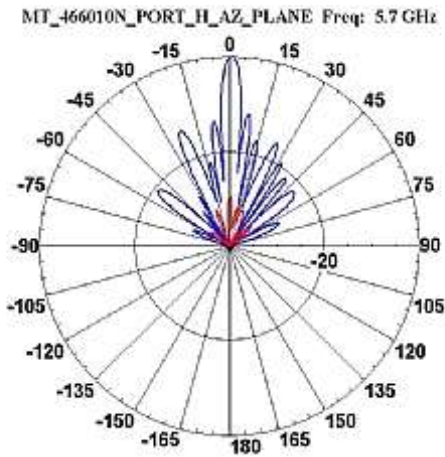
MECHANICAL

DIMENSIONS (LxWxD)	600 x 600 x 51 mm (max)
CONNECTOR	2 xN-Type Female
WEIGHT	5 kg (max)
MOUNTING KIT	SEE RD41191800C ,MT-120019
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD43154500C

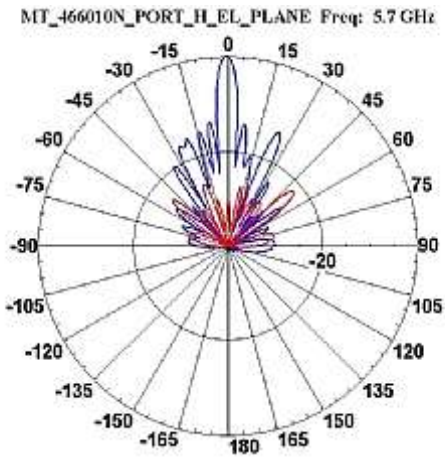
ENVIRONMENTAL

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		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		
FLAMMABILITY	UL 94			Class HB
SALT SPRAY	IEC 68-2-11 Ka	500h		
ICE AND SNOW				25mm Radial
WIND SPEED SURVIVAL				220 Km/h
OPERATION				160 Km/h
WIND LOAD (SURVIVAL)				103.6 kg
FRONT THRUST				8.6 kg
SIDE THRUST				

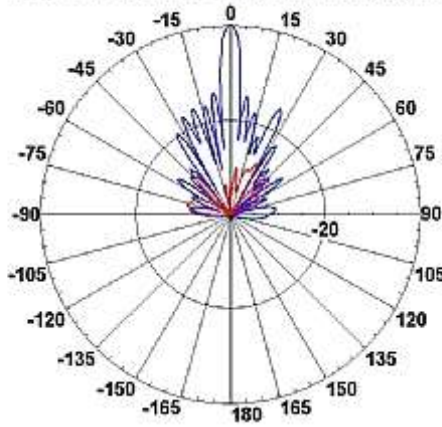
AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 5.7 GHZ



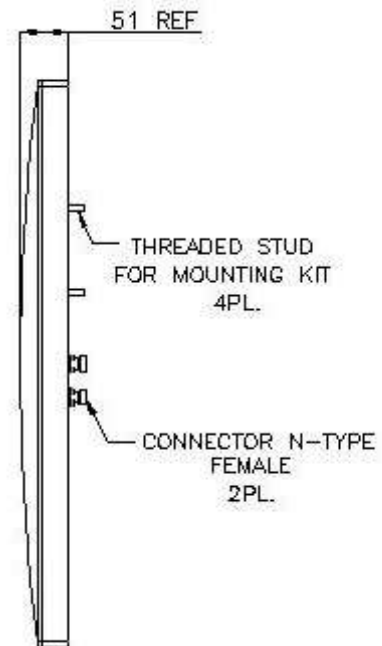
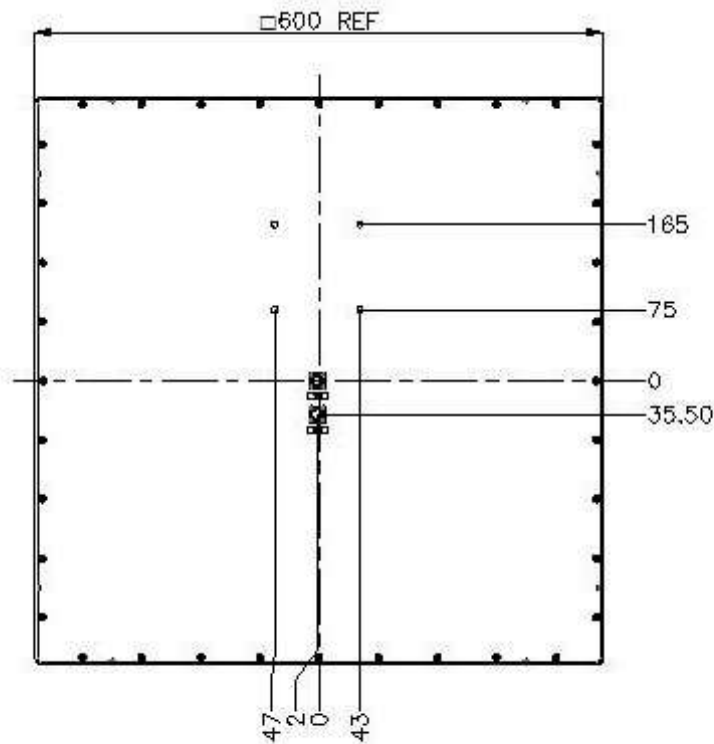
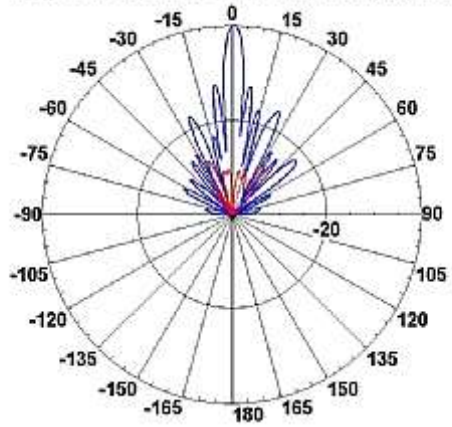
ELEVATION RADIATION PATTERN MIDBAND
FREQ. 5.7 GHZ



MT_466010NVH_PORT_V_AZ_PLANE Freq: 5.7 GHz



MT_466010NVH_PORT_V_EL_PLANE Freq: 5.7 GHz



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