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BASE STATION ANTENNAS

MT-463012/NVH
4.9-5.95 GHZ 14 DBI 90° DUAL POLARITY SECTOR ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	4.9 – 5.95 GHz
GAIN	14 dBi (min)
VSWR	2 :1 (max) 1.7 : 1 (typ)
POLARIZATION	Dual Linear Vertical + Horizontal
3dB ELEVATION BEAMWIDTH	8° (typ)
3dB AZIMUTH BEAMWIDTH	Port V- 90° (typ) @11dBi Gain Port H-90° (typ) @10dBi Gain
ELEVATION SIDELobe LEVEL	-10 dB (max)
F/B RATIO	25 dB (min)
CROSS POLARIZATION	-25dB (typ) , -15dB (max)
PORT TO PORT ISOLATION	30 dB (min)
POWER	20 W (max)
INPUT IMPEDANCE	50 Ω
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

DIMENSIONS (LxWxD)	500X200X30mm (max)
CONNECTOR	2 xN-Type Female
WEIGHT	1.5 kg (max)

MOUNTING KIT	MT-120025
RADOME MATERIAL	Plastic
RADOME THICKNESS	2.0 ± 0.2 mm
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD42850200C

ENVIRONMENTAL

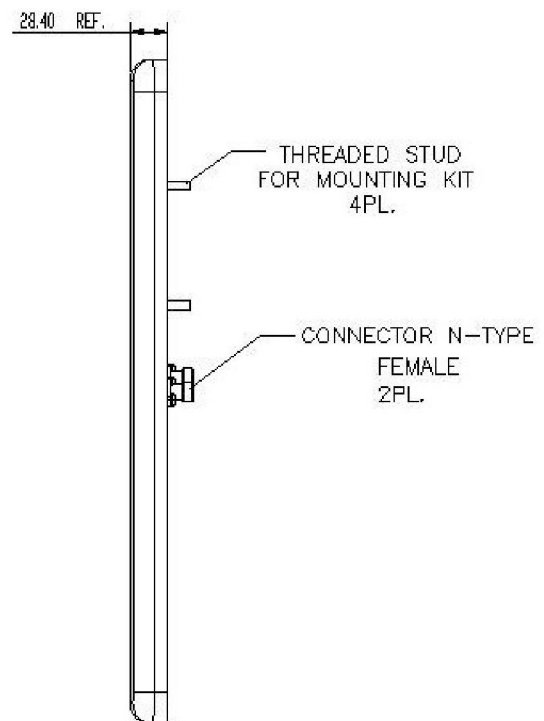
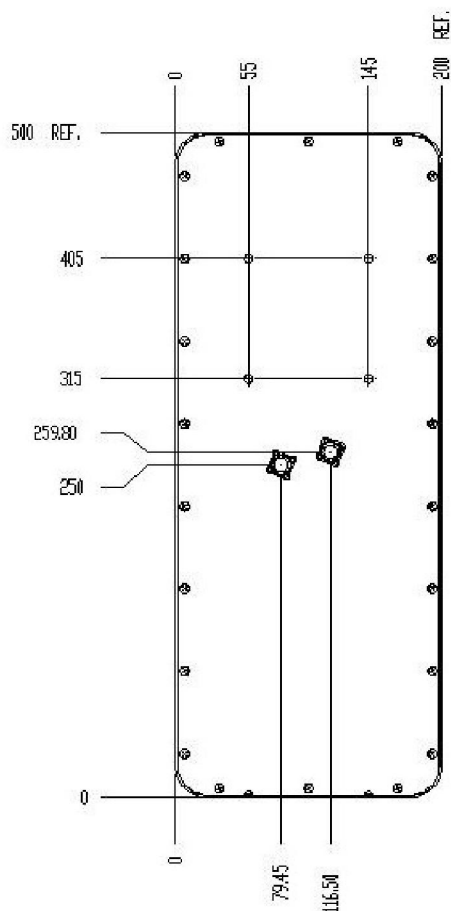
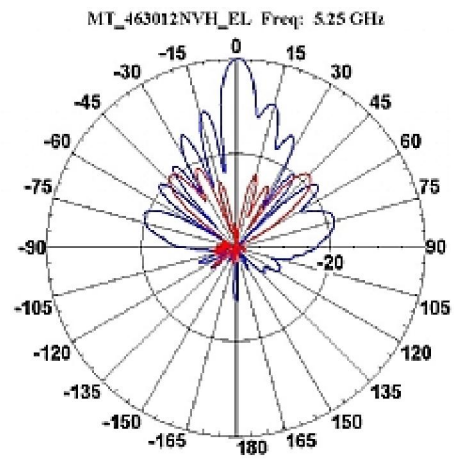
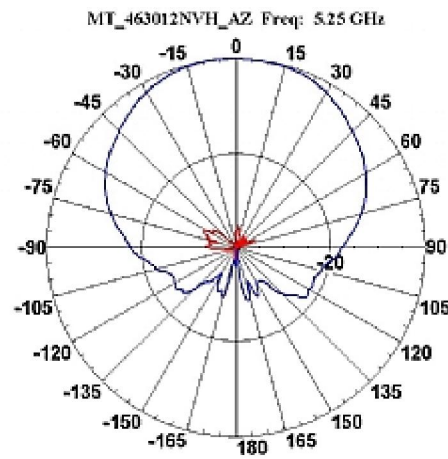
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M5
SHOCK MECHANICAL	IEC 60721-3-4			4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER 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 OPERATION				220 Km/h 160 Km/h
WIND LOAD (SURVIVAL)				26.8 kg
FRONT THRUST				1.3 kg
SIDE THRUST				

Existing Antenna Versions

MT-463016/SVH/E	one foot Integrated Antenna Enclosure
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AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 5.25 GHZ

ELEVATION RADIATION PATTERN MIDBAND
FREQ. 5.25 GHZ



WAIVER!

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