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BASE STATION ANTENNAS

MT-463042/ND

4.9-5.9 GHZ, 14.0DBI 90° DOUBLE DUAL SLANT SECTOR ANTENNA- PRELIMINARY



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	4.9-5.9 GHz
GAIN	14.0 ± 0.5 dBi
VSWR	1.5 : 1 (min) , 2.0:1 (max)
POLARIZATION	Double Dual Linear ± 45°
-3dB ELEVATION BEAMWIDTH	7° (typ)
-3 dB AZIMUTH BEAMWIDTH	90° (typ)
ELEVATION SIDELobe LEVEL	-12 dB (typ.)
F/B RATIO	30dB (max)
CROSS POLARIZATION	-15 dB (typ)
PORT TO PORT ISOLATION	20dB (typ)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded

MECHANICAL

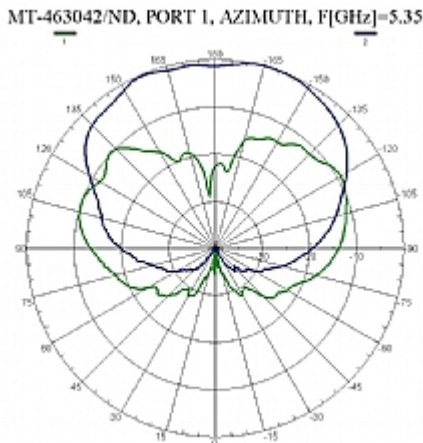
DIMENSIONS (LxWxD)	371 x 371 x 40mm (max)
CONNECTOR	4 x N-Type Female
WEIGHT	2 Kg (max)
MOUNTING KIT	MT-120018
RADOME MATERIAL	Plastic polycarbonate UV protected color RAL9002
BASE PLATE MATERIAL	Aluminum with chemical conversion coating

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)				103.6 kg
FRONT THRUST				8.6 kg
SIDE THRUST				

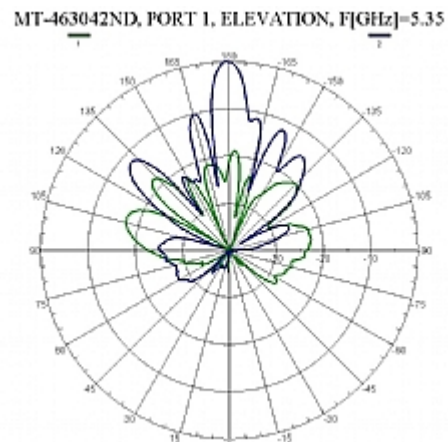
Existing Antenna Versions

MT-486001/S/E	one foot Integrated Antenna Enclosure
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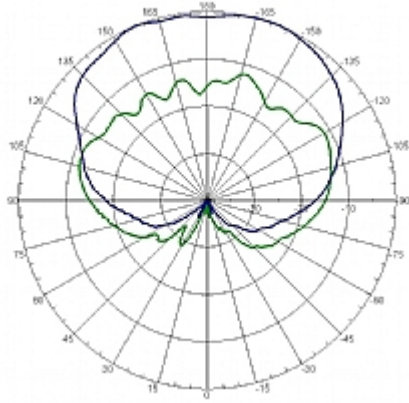
**AZIMUTH RADIATION PATTERN MIDBAND
FREQ. 5.35 GHZ**



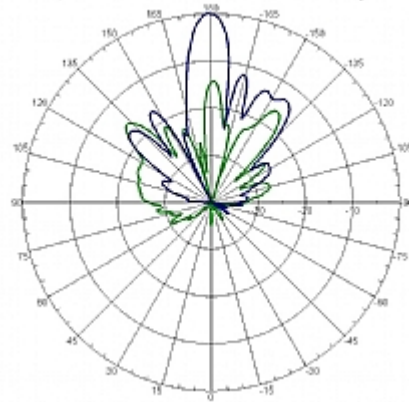
**ELEVATION RADIATION PATTERN MIDBAND
FREQ. 5.35 GHZ**



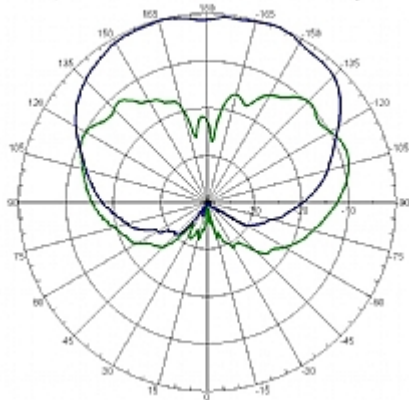
MT-463042ND, PORT 2, AZIMUTH, F[GHz]=5.35



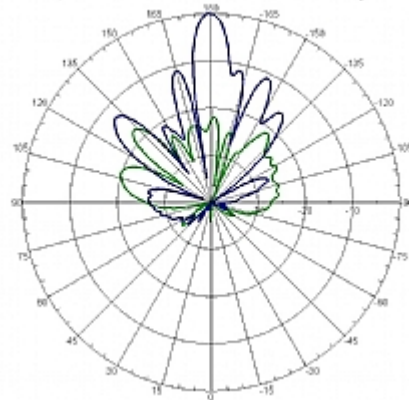
MT-463042ND, PORT 2, ELEVATION, F[GHz]=5.35



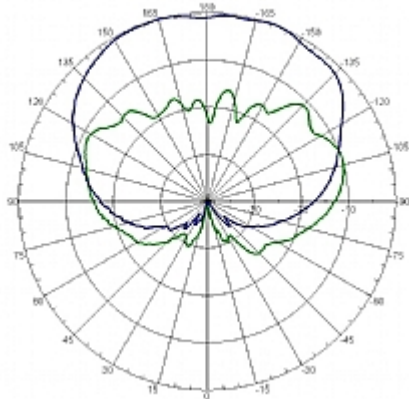
MT-463042/ND, PORT 3, AZIMUTH, F[GHz]=5.35



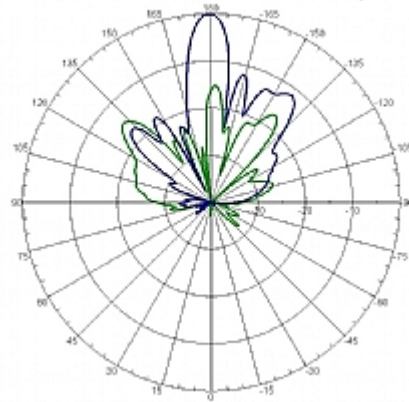
MT-463042/ND, PORT 3, ELEVATION, F[GHz]=5.35

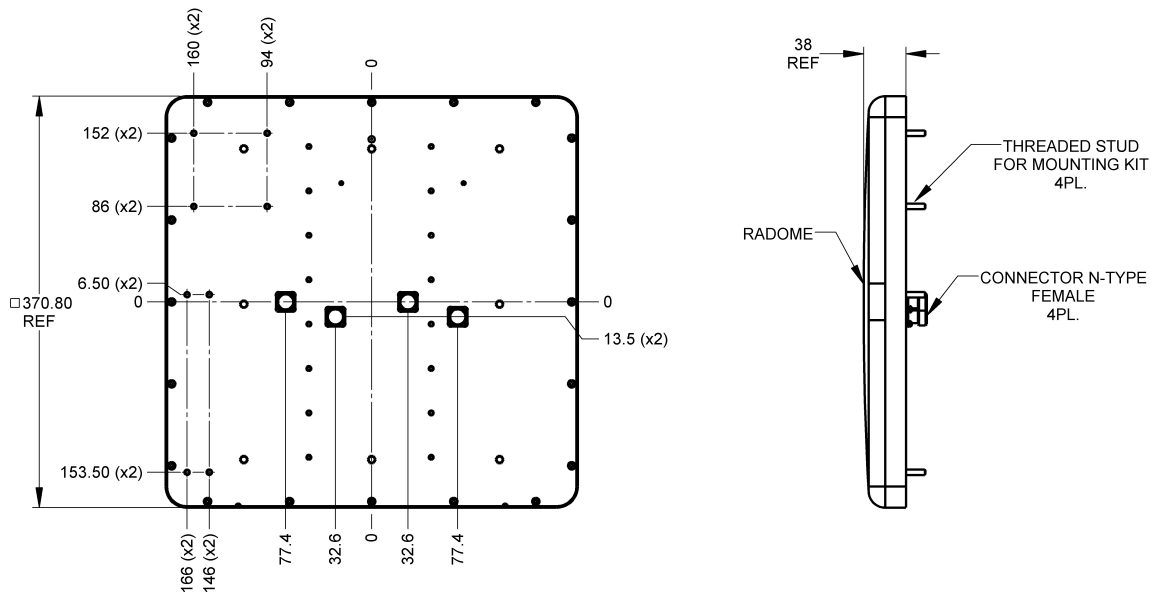


MT-463042/ND, PORT 4, AZIMUTH, F[GHz]=5.35



MT-463042/ND, PORT 4, ELEVATION, F[GHz]=5.35





WAIVER!

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