



[Homepage](#) > [Products](#) > [Commercial Antennas](#) > [4.4/4.9 GHz Antennas](#) > **Base Station Antennas**

## BASE STATION ANTENNAS

**MT-484032/NV**  
**4.9-5.875GHZ 17DBI 90DEG VERTICAL POLARITY SECTOR ANTENNA**



### ELECTRICAL

REGULATORY COMPLIANCE	ETSI EN 302 085 V1.1.2 (2001-2006)
FREQUENCY RANGE	4.9 – 5.875 GHz
GAIN	16.5 dBi (min) @ 4.9-5.15GHz 17 dBi (min) @ 5.15-5.875GHz
VSWR	1.7 : 1 (typ), 2 : 1 (max)
POLARIZATION	Linear Vertical
3dB ELEVATION BEAMWIDTH	5.5° (typ)
3dB AZIMUTH BEAMWIDTH	100°± 5° @ 4.9-5.15GHz 90°± 9° @ 5.15-5.875GHz
AZIMUTH SIDELobe LEVEL	ETSI EN 302 085 V1.1.2 (2001-2006) CS1-CS3 -30dB @ ± 135°
ELEVATION SIDELobe LEVEL	ETSI EN 302 085 V1.1.2 (2001-2006) CS1-CS3
F/B RATIO	ETSI EN 302 085 V1.1.2 (2001-2006) CS1-CS3 -35 dB (max)
CROSS POLARIZATION	ETSI EN 302 085 V1.1.2 (2001-2006) CS1-CS3 -20 dB (max)
POWER	6W (max)
INPUT IMPEDANCE	50 (ohm)
LIGHTNING PROTECTION	DC Grounded
<b>MECHANICAL</b>	
DIMENSIONS (LxWxD)	550x250x18mm (max)
CONNECTOR	N-Type Female

WEIGHT	1.8kg (max)
MOUNTING KIT	MT-120019
RADOME MATERIAL	Plastic
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	See Below

**ENVIRONMENTAL**

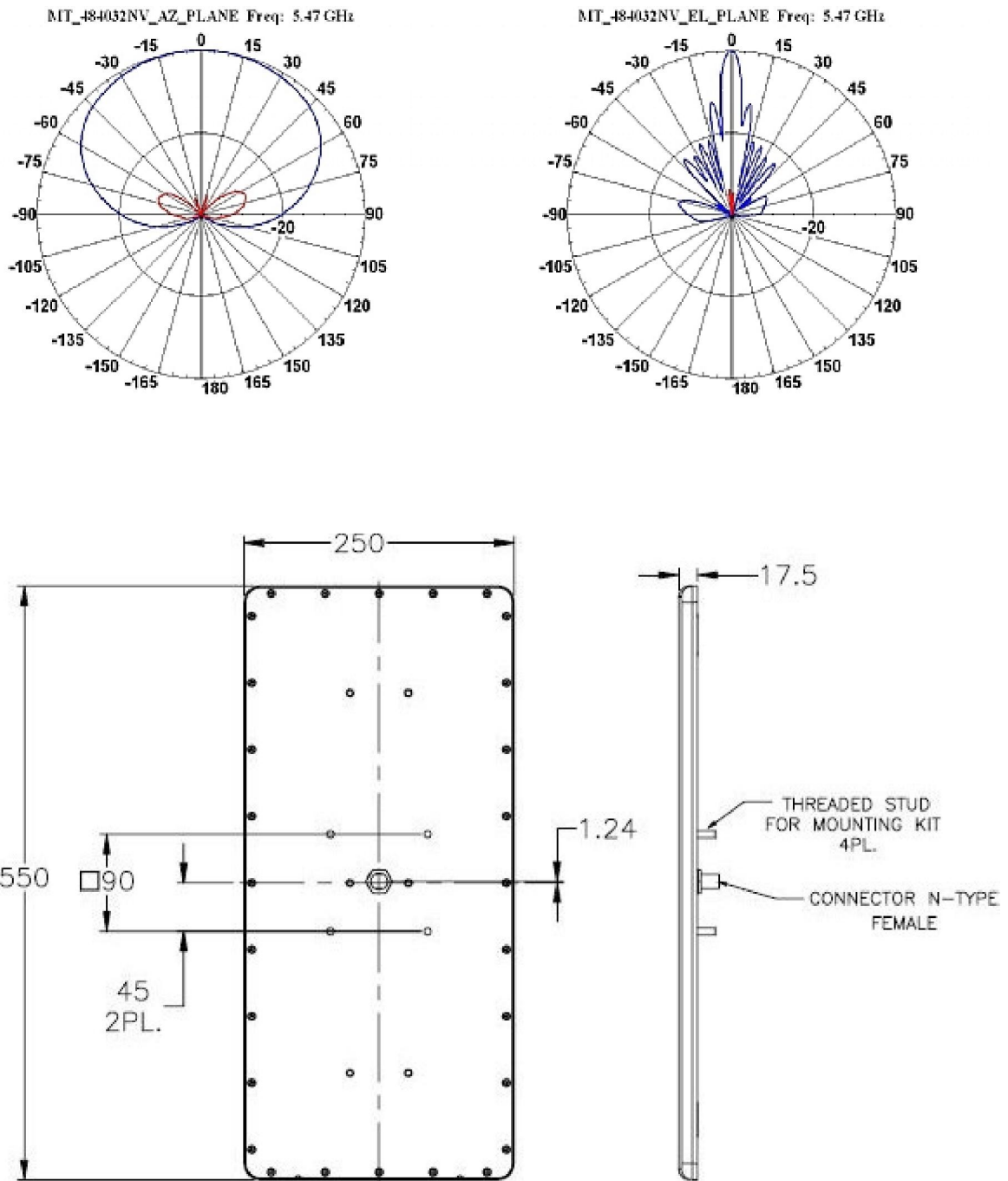
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M5
SHOCK MECHANICAL	IEC 60721-3-4			4M5
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP67
SOLAR RADIATION	ASTM G53	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) FRONT THRUST SIDE THRUST				39.3 kg 2.8 kg

**Existing Antenna Versions**

MT-484032/SV/E	one foot Integrated Antenna Enclosure
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AZIMUTH RADIATION PATTERN MIDBAND  
FREQ. 5.47 GHZ

ELEVATION RADIATION PATTERN MIDBAND  
FREQ. 5.47 GHZ



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