



**MT – 404082/NVH**  
**3.3 – 3.8 GHz, 14.5dBi 120° Dual Pol. Sector Antenna**



**ELECTRICAL**

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>REGULATORY COMPLIANCE</b>    | RoHS, CE 0682                   |
| <b>FREQUENCY RANGE</b>          | 3.3-3.8 GHz                     |
| <b>GAIN</b>                     | 13.5 dBi (min) , 14.5 dBi (typ) |
| <b>VSWR</b>                     | 2 :1 (max) 1.7 : 1 (typ)        |
| <b>POLARIZATION</b>             | Linear Vertical & Horizontal    |
| <b>3DB ELEVATION BEAMWIDTH</b>  | 7° (typ)                        |
| <b>3DB AZIMUTH BEAMWIDTH</b>    | 120° (typ)                      |
| <b>ELEVATION SIDELobe LEVEL</b> | 10dB (typ)                      |
| <b>F/B RATIO</b>                | 20dB (min)                      |
| <b>CROSS POLARIZATION</b>       | 20dB (typ)                      |
| <b>PORT TO PORT ISOLATION</b>   | 35 dB (min)                     |
| <b>POWER</b>                    | 10W (max)                       |
| <b>INPUT IMPEDANCE</b>          | 50 (ohm)                        |

**MECHANICAL**

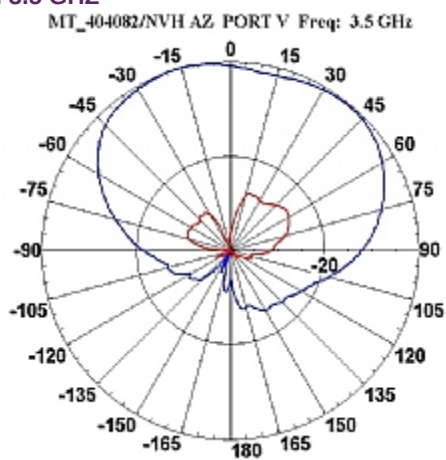
|                            |                                           |
|----------------------------|-------------------------------------------|
| <b>DIMENSIONS (LXWXD)</b>  | 281x651x91 mm max                         |
| <b>CONNECTOR</b>           | 2 xN-Type Female                          |
| <b>WEIGHT</b>              | 3.5 kg (max)                              |
| <b>MOUNTING KIT</b>        | MT-120025                                 |
| <b>RADOME MATERIAL</b>     | Plastic, UV Resistant                     |
| <b>BASE PLATE MATERIAL</b> | Aluminum with chemical conversion coating |
| <b>OUTLINE DRAWING</b>     | RD43622100C                               |

ADD TO COMPARISON | COMPARE

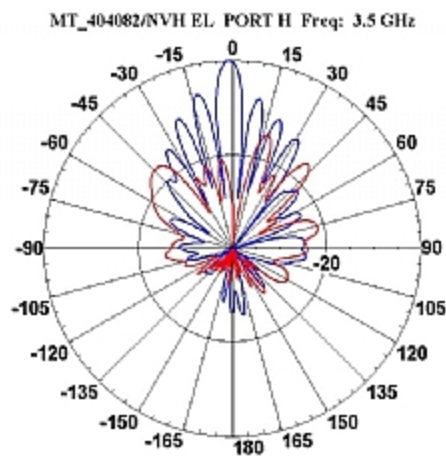
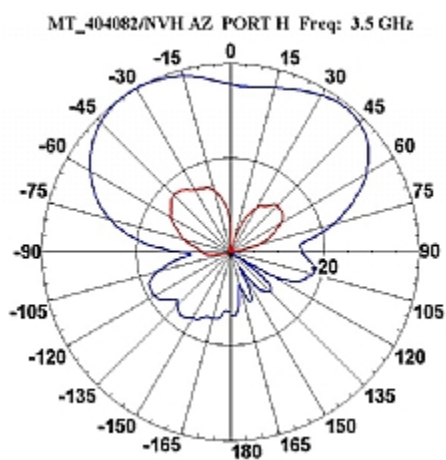
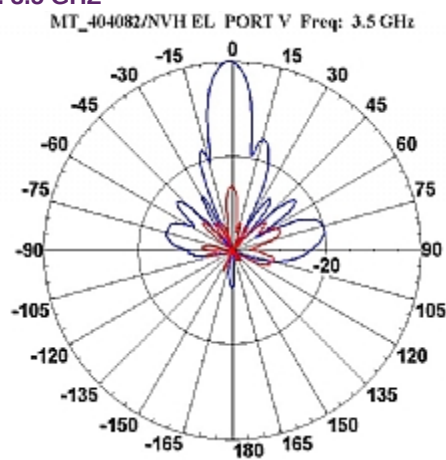
| TEST                    | STANDARD      | DURATION    | TEMPERATURE | NOTES     |
|-------------------------|---------------|-------------|-------------|-----------|
| <b>LOW TEMPERATURE</b>  | IEC 68-2-1    | 72 h        | -55°C       |           |
| <b>HIGH TEMPERATURE</b> | IEC 68-2-2    | 72 h        | +71°C       |           |
| <b>TEMP. CYCLING</b>    | IEC 68-2-14   | 1 h         | -45°C +70°C | 3 Cycles  |
| <b>VIBRATION</b>        | IEC 60721-3-4 | 30 min/axis |             | Random4M5 |
| <b>SHOCK MECHANICAL</b> | IEC 60721-3-4 |             |             | 4M5       |

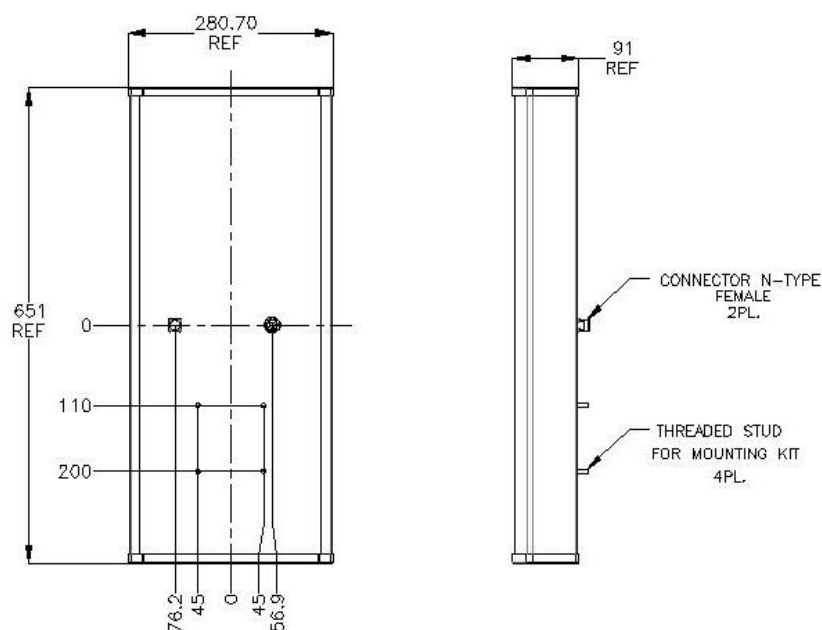
|                                      |                      |       |                      |
|--------------------------------------|----------------------|-------|----------------------|
| <b>HUMIDITY</b>                      | ETSI EN300-2-4 T4.1E | 144 h | 95%                  |
| <b>WATER TIGHTNESS</b>               | IEC 529              |       | IP67                 |
| <b>SOLAR RADIATION</b>               | ASTM G53             | 1000h |                      |
| <b>FLAMMABILITY</b>                  | UL 94                |       | Class HB             |
| <b>SALT SPRAY</b>                    | IEC 68-2-11 Ka       | 500h  |                      |
| <b>ICE AND SNOW</b>                  |                      |       | 25mm Radial          |
| <b>WIND SPEED SURVIVAL OPERATION</b> |                      |       | 220 Km/h<br>160 Km/h |
| <b>WIND LOAD (SURVIVAL)</b>          |                      |       | 52.0 kg              |
| <b>FRONT THRUST</b>                  |                      |       | 16.9 kg              |
| <b>SIDE THRUST</b>                   |                      |       |                      |

**AZIMUTH RADIATION PATTERN MIDBAND  
FREQ. 3.5 GHZ**



**ELEVATION RADIATION PATTERN MIDBAND  
FREQ. 3.5 GHZ**



**WAIVER!**

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