



## MT-484033 / NV

### 5.15-5.875 GHz 16.5dBi Base Station Antenna



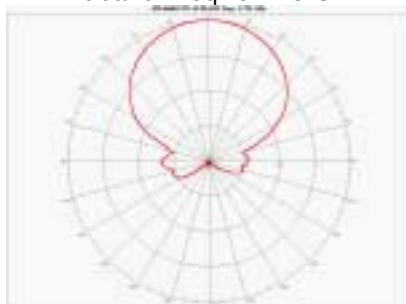
#### Specifications

| MTI PART NUMBER           |                      | MT – 484033/NV                            |             |             |  |
|---------------------------|----------------------|-------------------------------------------|-------------|-------------|--|
| <b>ELECTRICAL</b>         |                      |                                           |             |             |  |
| FREQUENCY RANGE           |                      | 5.15-5.875 GHz                            |             |             |  |
| GAIN                      |                      | 16 dBi (min) @ 5.15-5.35 GHz              |             |             |  |
|                           |                      | 16.5 dBi (min) @ 5.47-5.725 GHz           |             |             |  |
|                           |                      | 17 dBi (min) @ 5.725-5.875 GHz            |             |             |  |
| VSWR                      |                      | 1.7 : 1 (max)                             |             |             |  |
| 13 dBi AZIMUTH BEAMWIDTH  |                      | 60° ± 4°                                  |             |             |  |
| POLARIZATION              |                      | Vertical                                  |             |             |  |
| ELEVATION BEAMWIDTH       |                      | 11° (typ)                                 |             |             |  |
| AZIMUTH SIDELOBES LEVEL   |                      | ETSI EN 302-085 V1.1.2 (2001-02) CS1-CS3  |             |             |  |
|                           |                      | -25 dB @ ± 90°                            |             |             |  |
| ELEVATION SIDELOBES LEVEL |                      | ETSI EN 302-085 V1.1.2 (2001-02) CS1-CS3  |             |             |  |
|                           |                      | -16 dB (max)                              |             |             |  |
| CROSS POLARIZATION        |                      | ETSI EN 302-085 V1.1.2 (2001-02) TS1-TS3  |             |             |  |
|                           |                      | -28 dB (max)                              |             |             |  |
| F/B RATIO                 |                      | ETSI EN 302-085 V1.1.2 (2001-02) TS1-TS3  |             |             |  |
|                           |                      | -35 dB (max)                              |             |             |  |
| INPUT IMPEDANCE           |                      | 50 (ohm)                                  |             |             |  |
| INPUT POWER               |                      | 6W (max)                                  |             |             |  |
| LIGHTNING PROTECTION      |                      | DC Grounded                               |             |             |  |
| <b>MECHANICAL</b>         |                      |                                           |             |             |  |
| DIMENSIONS (LxWxD)        |                      | 350x150X30mm (max)                        |             |             |  |
| WEIGHT                    |                      | 1.5 Kg (max)                              |             |             |  |
| CONNECTOR                 |                      | Two N-Type female                         |             |             |  |
| RADOME                    |                      | Plastic                                   |             |             |  |
| BASE PLATE                |                      | Aluminum with chemical conversion coating |             |             |  |
| OUTLINE DRAWING           |                      | See page 2                                |             |             |  |
| MOUNTING KIT              |                      | MT-120019                                 |             |             |  |
| <b>ENVIRONMENTAL</b>      |                      |                                           |             |             |  |
| TEST                      | STANDARD             | DURATION                                  | TEMPERATURE | NOTES       |  |
| LOW TEMPERATURE           | IEC 68-2-1           | 72 h                                      | -45°C       | -           |  |
| HIGH TEMPERATURE          | IEC 68-2-2           | 72 h                                      | +70°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             | 1000 h                                    | -           | -           |  |
| FLAMMABILITY              | UL 94                | -                                         | -           | Class HB    |  |
| SALT SPRAY                | IEC 68-2-11 Ka       | 500 h                                     | -           | -           |  |
| ICE AND SNOW              | -                    | -                                         | -           | 25mm Radial |  |
| WIND SPEED                | SURVIVAL             | -                                         | -           | 220 Km/h    |  |
|                           | OPERATION            | -                                         | -           | 160 Km/h    |  |

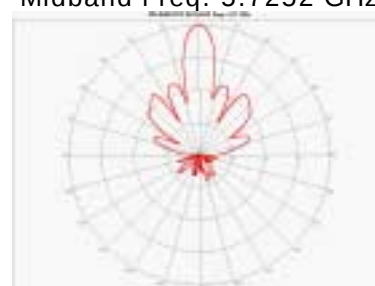
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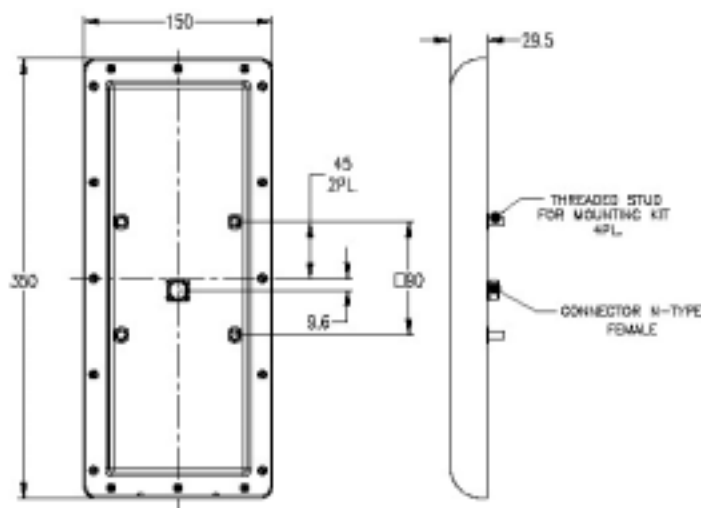
**Azimuth Radiation Pattern**  
Midband Freq. 5.725 GHz



**Elevation Radiation Pattern**  
Midband Freq. 5.7252 GHz



#### Dimensions [mm]



#### Existing Antenna Versions

|              |                                               |
|--------------|-----------------------------------------------|
| MT-484033/NV | With N – Type Female connector & DC grounding |
|--------------|-----------------------------------------------|

**MTI group is certified according to ISO 9001 and ISO 14001.**

#### WAIVER!

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