

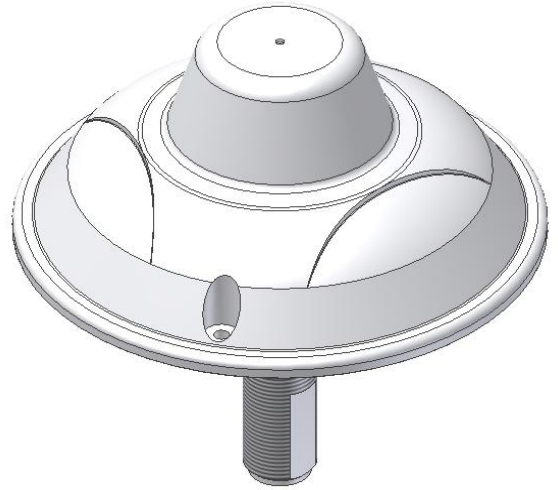
# PCS & IMT Omni Antenna

1750~1870, 1920~2170 MHz / 3.15 dBi

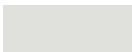
## PI-NDT-02

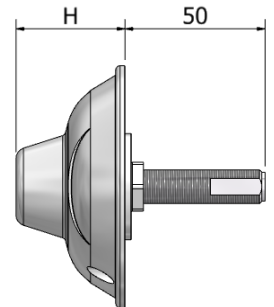
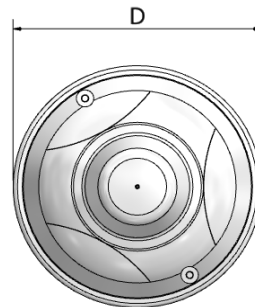
### i. Electrical Specification

|                     |            |                              |
|---------------------|------------|------------------------------|
| Frequency Range     |            | 1750 ~ 2170 MHz              |
| Polarization        |            | Vertical                     |
| Band Width          |            | 420 MHz                      |
| Gain                |            | ≥ 2 dBi                      |
| Beam width          | Horizontal | ≥ Nominal 360 °              |
|                     | Vertical   | ≥ Nominal 60 °               |
| F-B ratio           |            | -                            |
| VSWR                |            | ≤ 1 : 1.5                    |
| Impedance           |            | 50 Ω                         |
| IMD (2x20W)         |            | ≤ -140dBc at 3 <sup>rd</sup> |
| Maximum input power |            | 20 W                         |

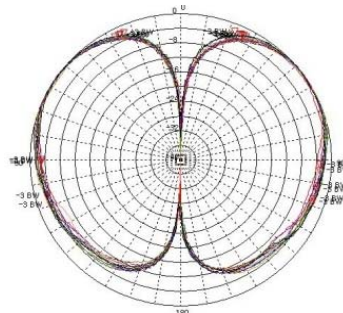


### ii. Mechanical Specification

|                                |                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Radom Dimension ( D x H )      | Ø114 × 50 mm                                                                                        |
| Weight                         | 200 g                                                                                               |
| Connector Type                 | N-J (Female)                                                                                        |
| Withstand Wind Pressure        | 60 m/sec                                                                                            |
| Radome Material                | ABS                                                                                                 |
| Radome Color                   | <br>Cool Gray 1C |
| Temperature                    | -40 °C ~ 70 °C                                                                                      |
| Packing Size (H x W x D) 50SET | -                                                                                                   |
| Packing Weight 50SET           | -                                                                                                   |



### iii. Radiation Pattern



Vertical Pattern