

# 2J2424H

## CELLULAR/LTE Wall Mount

### Key Features

#### Cable 1: CELLULAR / LTE

- 698-960 MHz
- 1710-2170 MHz
- 2500-2700 MHz
- Wall Mount
- High Performance
- Compact Size
- Ground Plane Independent
- Customizable Cable and Connector
- Dimensions 123 x 81 x 45 mm
- Certificates: IP67, IP69



## 1. Antenna and electrical specifications

**Cable 1**

| Parameters                  | CELLULAR / LTE Antenna                         |                     |           |
|-----------------------------|--|---------------------|-----------|
| <b>Standards</b>            | 2G,3G and 4G                                   |                     |           |
| <b>Band (MHz)</b>           | 700/850/900                                    | 1700/1800/1900/2100 | 2600      |
| <b>Frequency (MHz)</b>      | 698-960  | 1710-2170           | 2500-2700 |
| <b>Return Loss (dB)</b>     | ~-9.6  | ~-10.9              | ~-6.9     |
| <b>VSWR</b>                 | ~2.7:1   | ~2.1:1              | ~2.7:1    |
| <b>Efficiency (%)</b>       | ~61.5  | ~64.9               | ~51.8     |
| <b>Peak Gain (dBi)</b>      | ~1.6   | ~3.1                | ~2.6      |
| <b>Average Gain (dB)</b>    | ~-2.3  | ~-1.9               | ~-2.9     |
| <b>Impedance (Ohm)</b>      | 50   |                     |           |
| <b>Polarisation</b>         | Linear   |                     |           |
| <b>Radiation Pattern</b>    | Omni-Directional                               |                     |           |
| <b>Max. Input Power (W)</b> | 25   |                     |           |
| <b>Connector Type</b>       | SMA-Male Standard (Other Connectors Available) |                     |           |
| <b>Cable Length</b>         | 300 cm Standard (Any Cable Length Available)   |                     |           |
| <b>Cable Type</b>           | LL100 Standard (Other Cables Available)        |                     |           |

**Antenna Measurement Conditions:**

Free Space

100 cm LL100

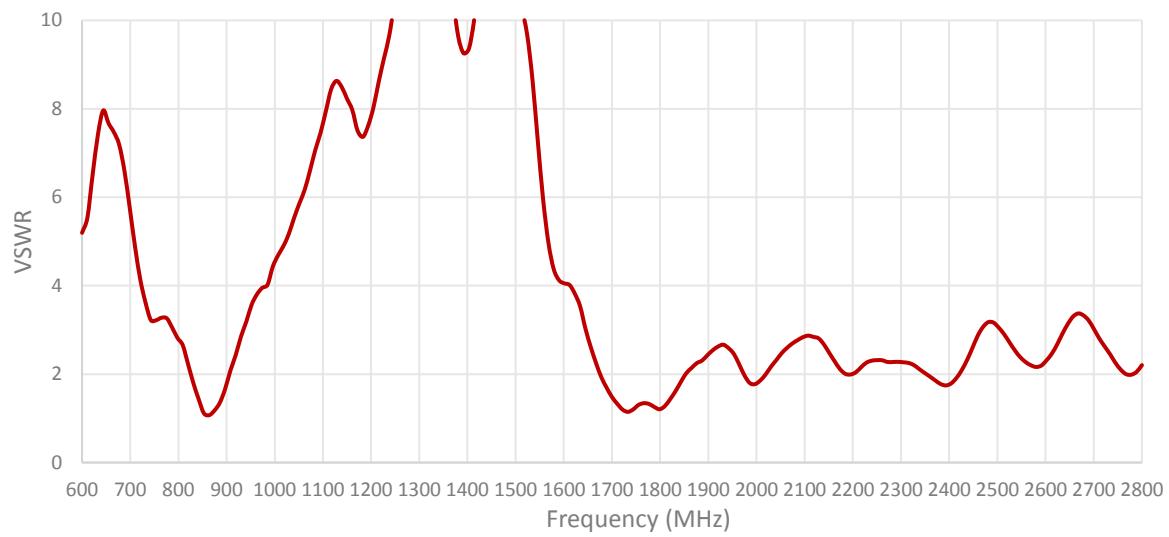
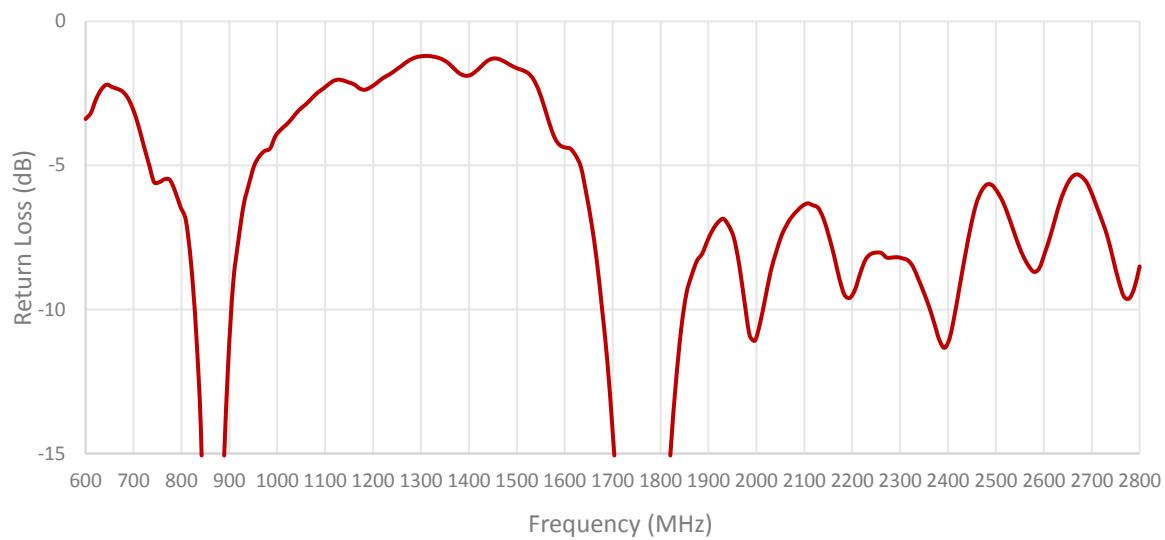
Measured in Certified CTIA 3D Anechoic Chamber

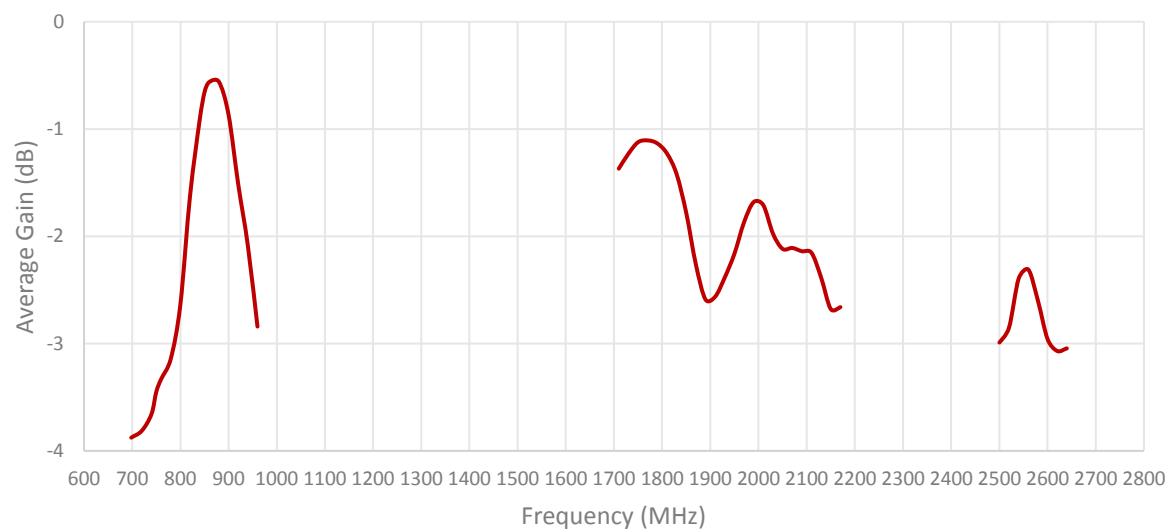
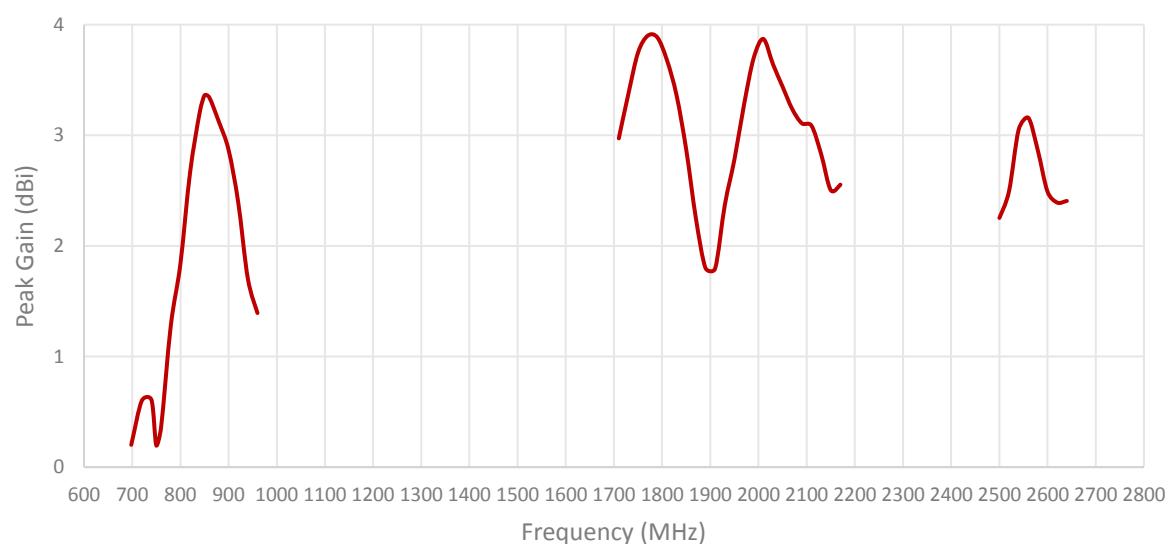
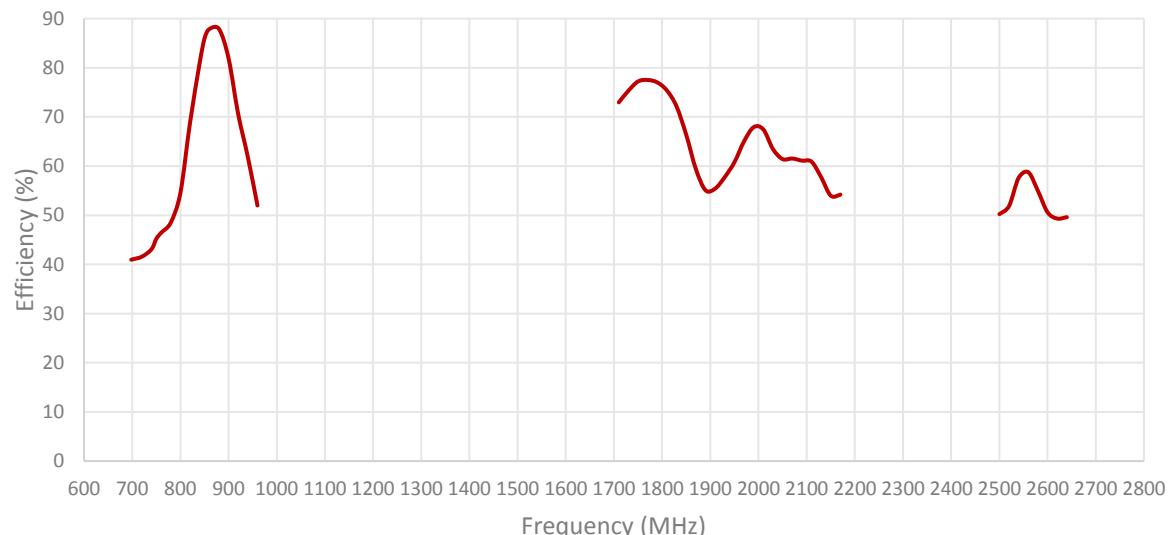
## 2. Mechanical and environmental specifications

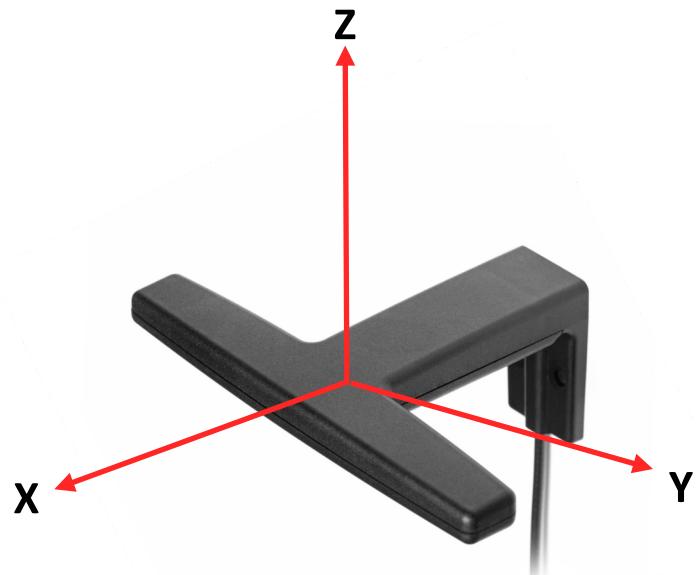
| Specifications                   | 2J2424H              |
|----------------------------------|----------------------|
| <b>Mounting Type</b>             | Wall Mount           |
| <b>Dimensions (mm)</b>           | 123 x 81 x 45        |
| <b>Fixings</b>                   | 2x M4 (Not included) |
| <b>Radome Type</b>               | ASA                  |
| <b>Radome Color</b>              | Black, White         |
| <b>Operating Temperature (C)</b> | -40 to +85           |
| <b>Storage Temperature (C)</b>   | -40 to +85           |
| <b>Substance Compliance</b>      | RoHS                 |
| <b>Certificates</b>              | IP67, IP69           |

## 3. Antenna parameters

**Cable 1: CELLULAR/LTE**

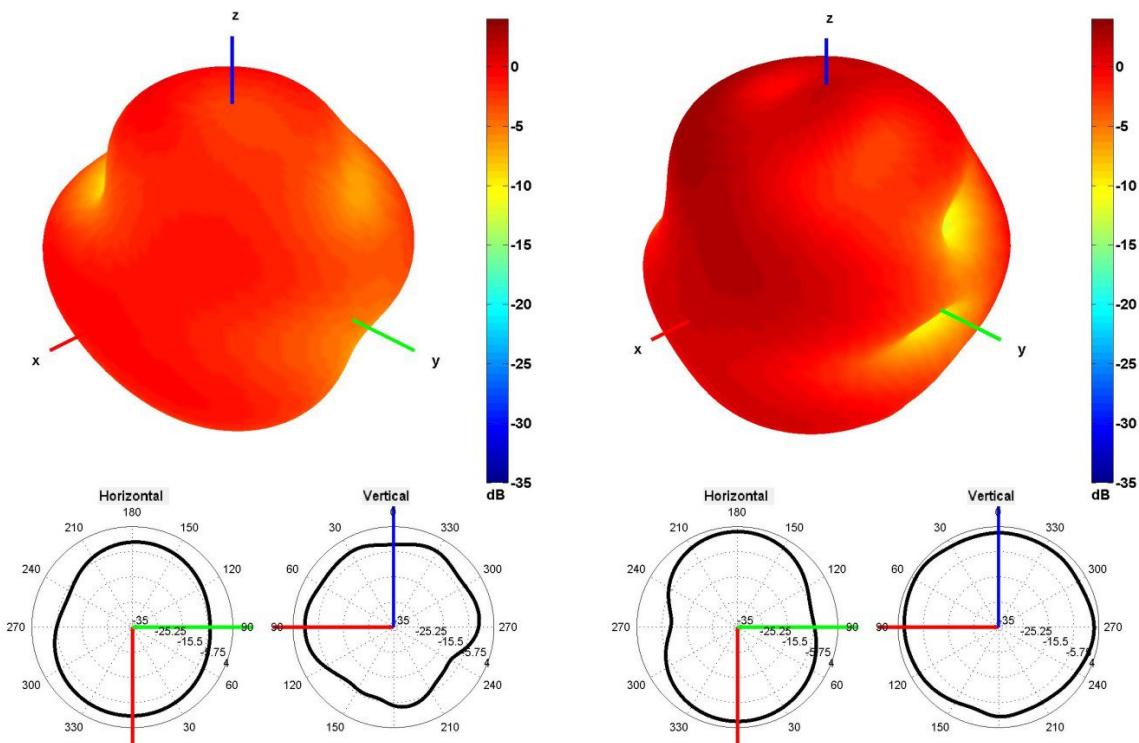






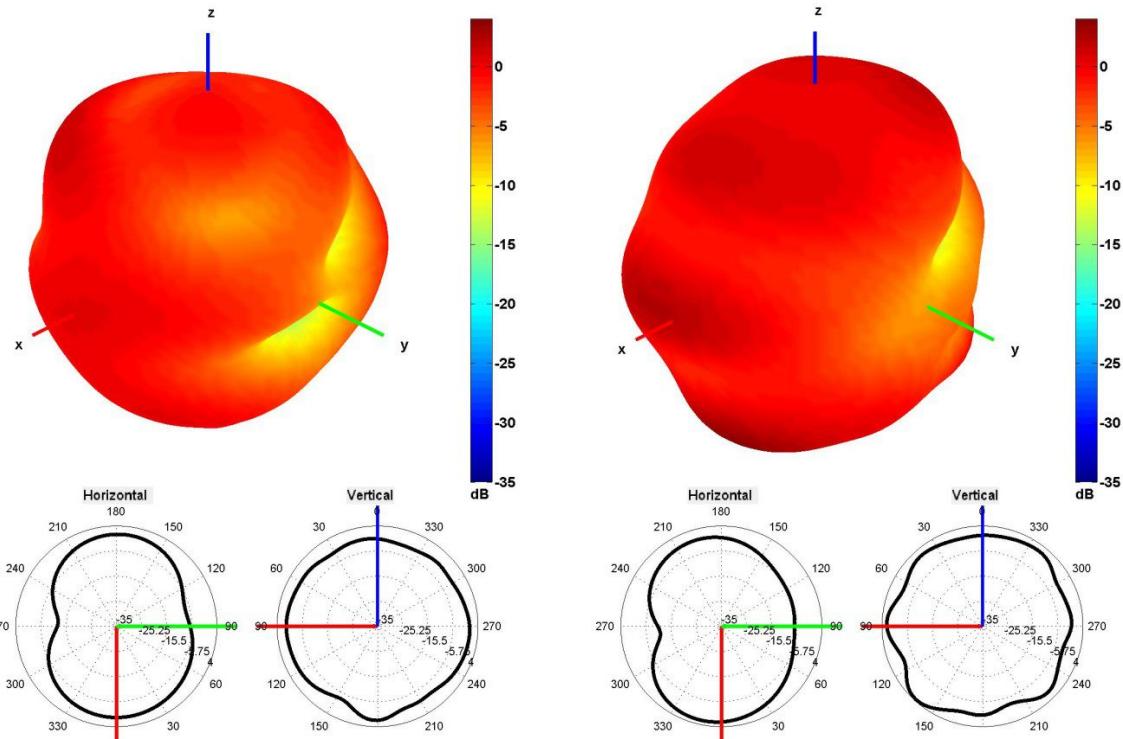
Radiation pattern reference

Cable 1: CELLULAR/LTE

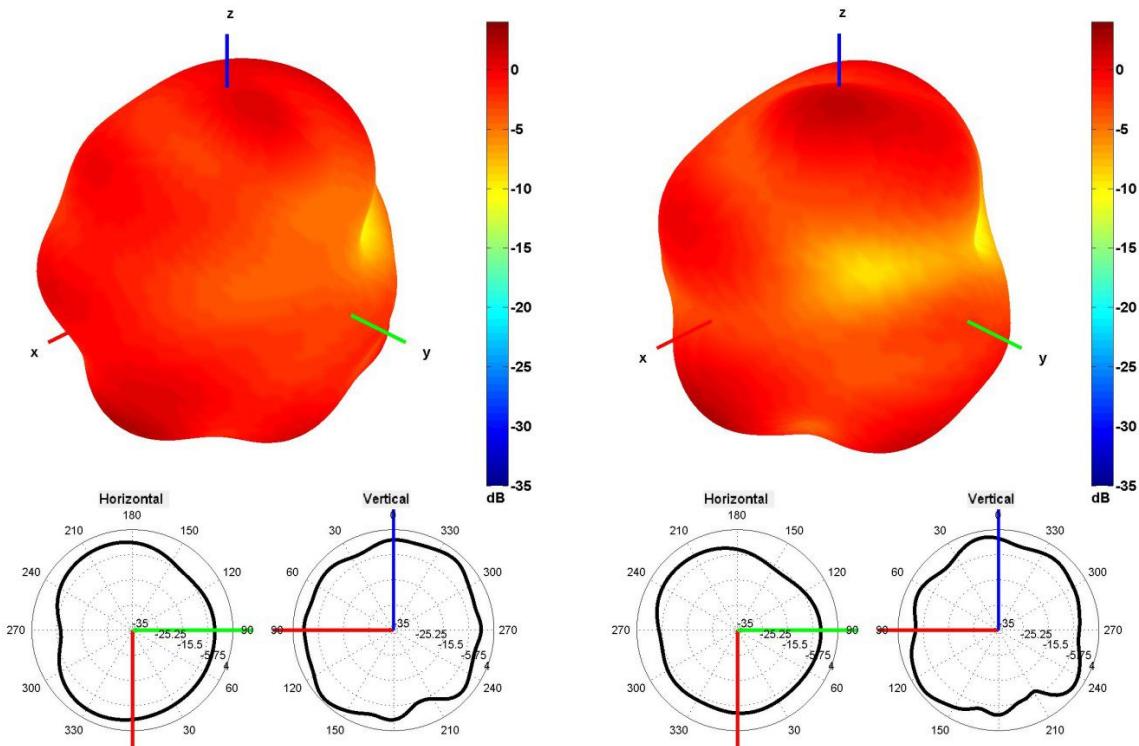


750 and 850 MHz Radiation pattern

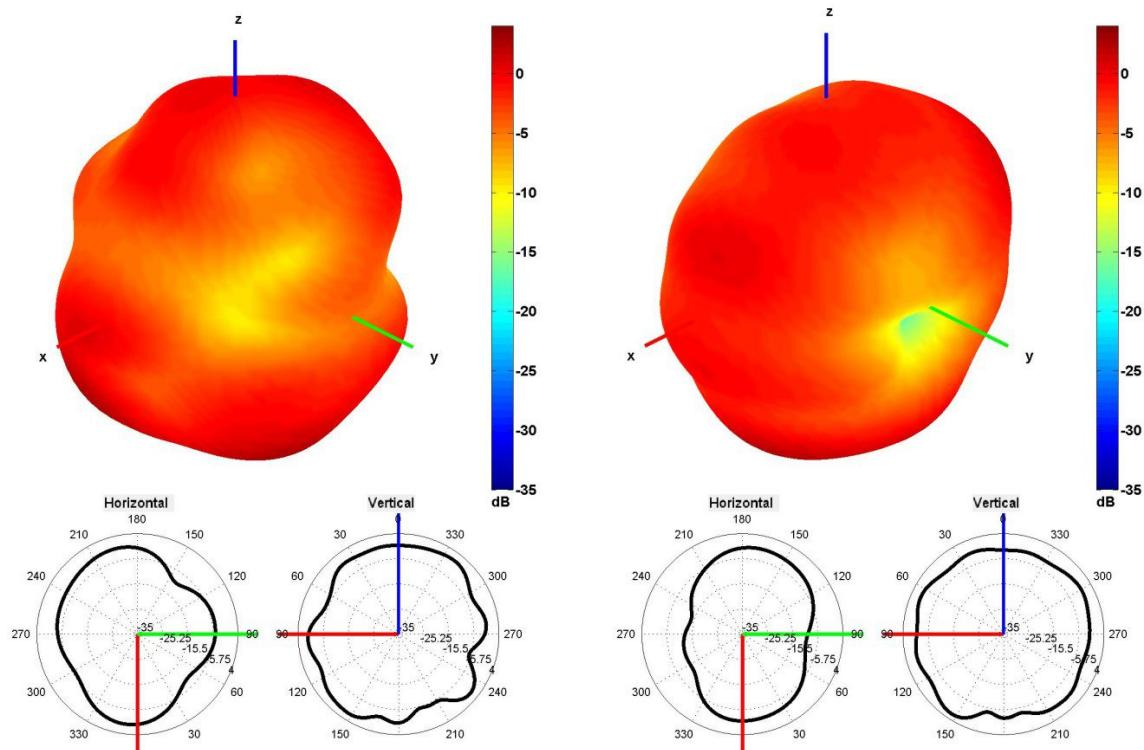
# 2J Antennas



940 and 1750 MHz Radiation pattern

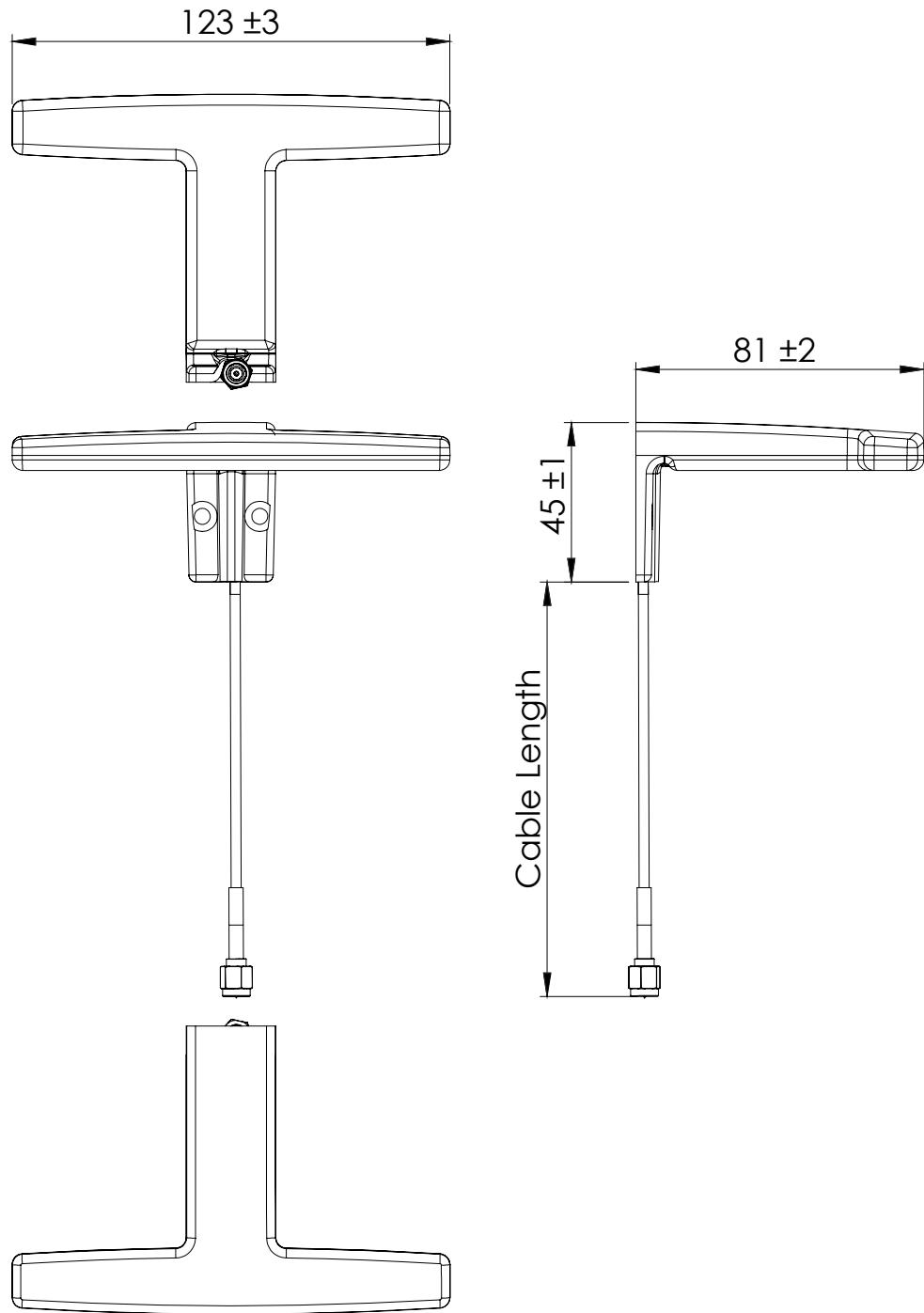


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

## 4. Antenna drawings



Note: Dimensions are in millimeters

## 5. Antenna Images

