

# 2J8410B

## TETRA/UHF Screw Mount

### Key Features

#### TETRA/UHF

- 380-470 MHz

Screw Mount

Anti-Rotation Mounting

Ground Plane Dependent

Customizable Cable and Connector

Dimensions: 99 × 60 × 154 mm

Certificates: IP67, IP69



## 1. Antenna and electrical specifications

Parameters	TETRA/UHF Antenna
<b>Standards</b>	TETRA/UHF
<b>Band (MHz)</b>	400 MHz
<b>Frequency (MHz)</b>	380-470
<b>Return Loss (dB)</b>	~-20.5
<b>VSWR</b>	~1.3:1
<b>Efficiency (%)</b>	~59.1
<b>Peak Gain (dBi)</b>	~2.2
<b>Average Gain (dB)</b>	~-2.3
<b>Impedance (Ohm)</b>	50
<b>Polarisation</b>	Linear
<b>Radiation Pattern</b>	Omni-Directional
<b>Max. Input Power (W)</b>	50
<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>	RG174 Standard (Other Cables Available)

### Antenna Measurement Conditions:

Mounted on 60 x 60 cm Metal Plate

200cm of RG174 Cable

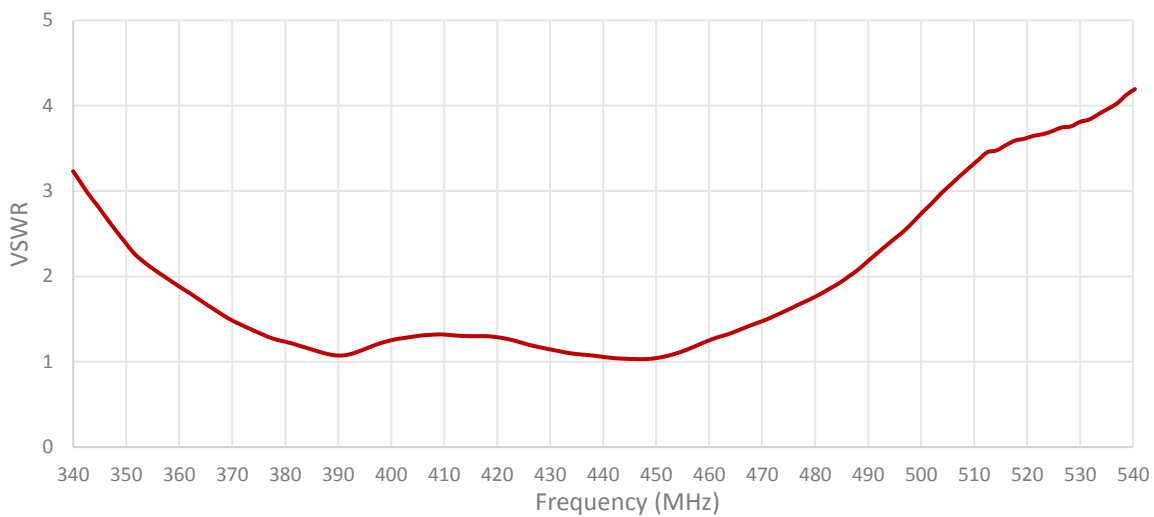
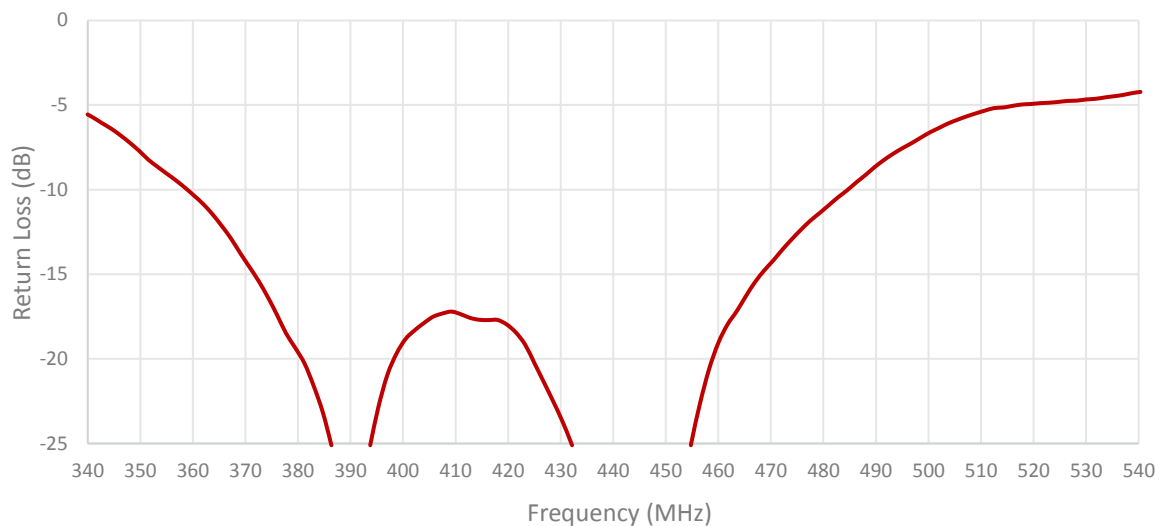
Measured in Certified CTIA 3D Anechoic Chamber

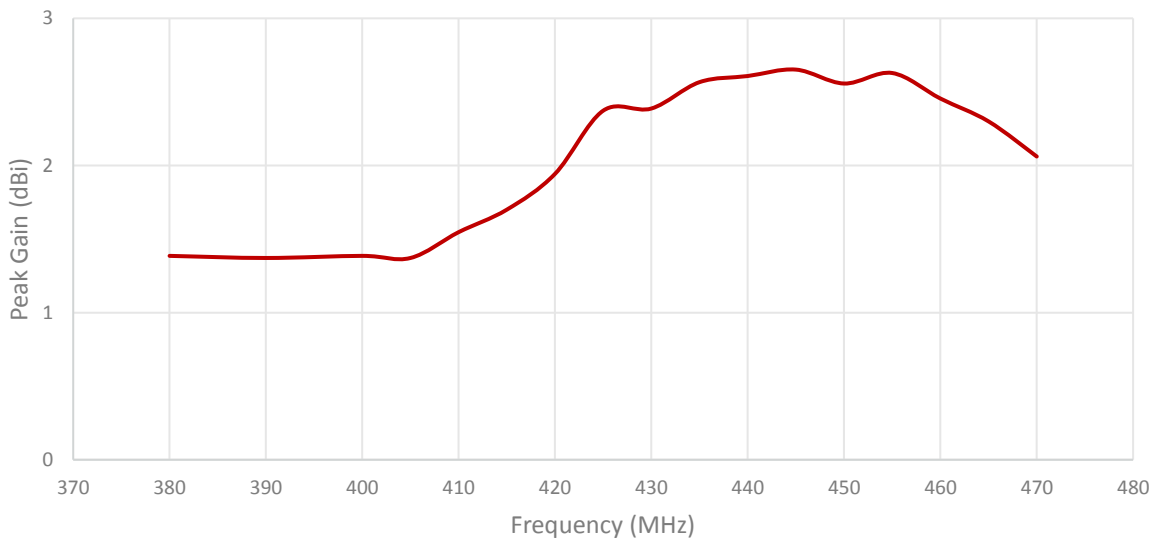
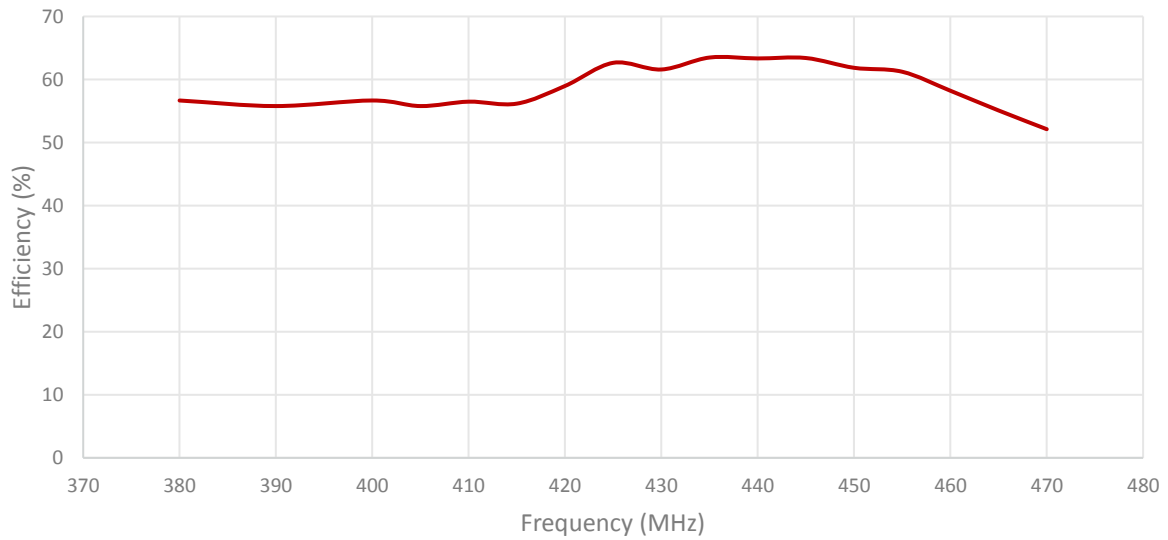
## 2. Mechanical and environmental specifications

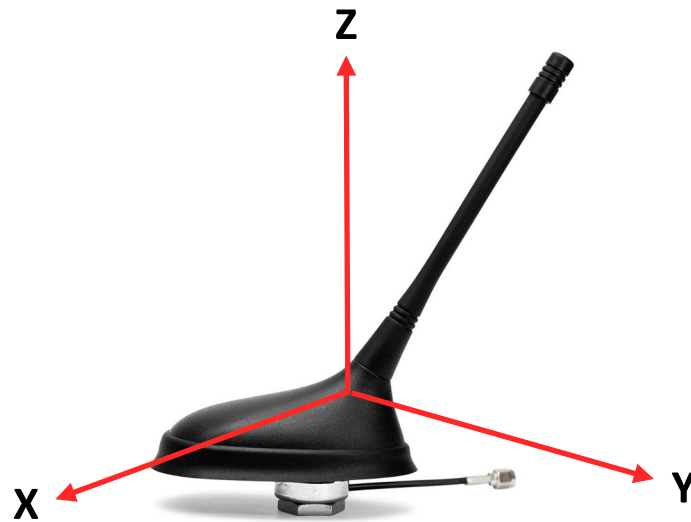
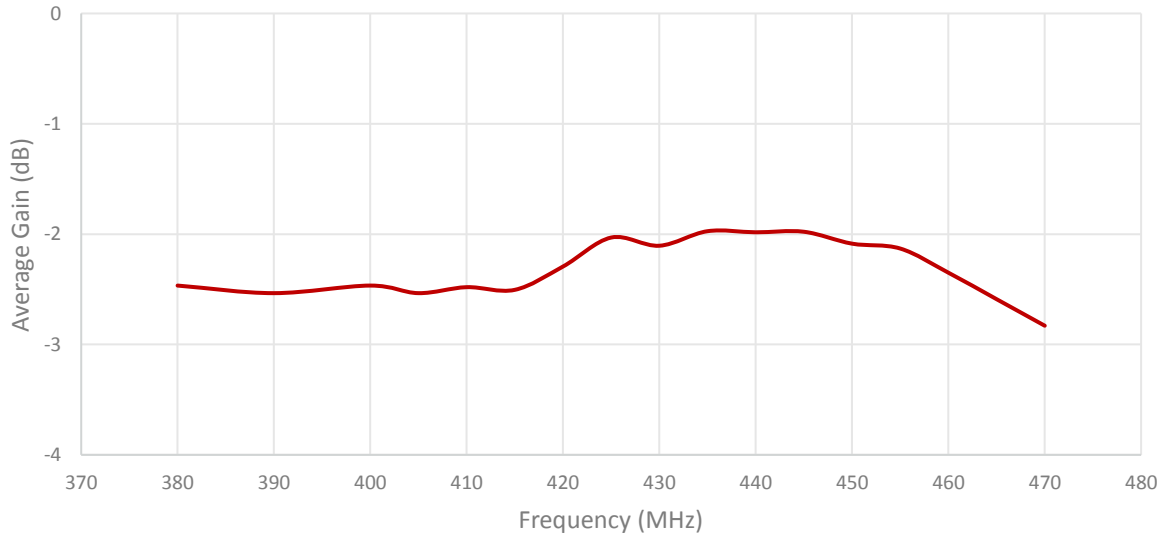
Specifications	2J8410B
<b>Mounting Type</b>	Screw Mount
<b>Dimensions (mm)</b>	99 × 60 × 154
<b>Max. Tighten Torque (Nm)</b>	6 Nm
<b>Radome</b>	ASA
<b>Radome color</b>	Black
<b>Antenna Base</b>	Zamak
<b>Gasket</b>	TPE
<b>Operating Temperature (C)</b>	-40 to +85
<b>Storage Temperature (C)</b>	-40 to +85
<b>Substance Compliance</b>	RoHS
<b>Certificates</b>	IP67, IP69

### 3. Antenna parameters

Cable 1: TETRA/UHF

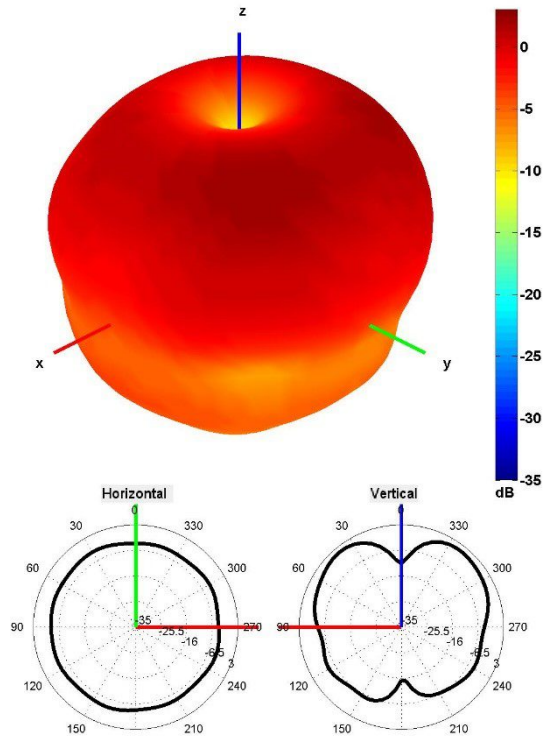






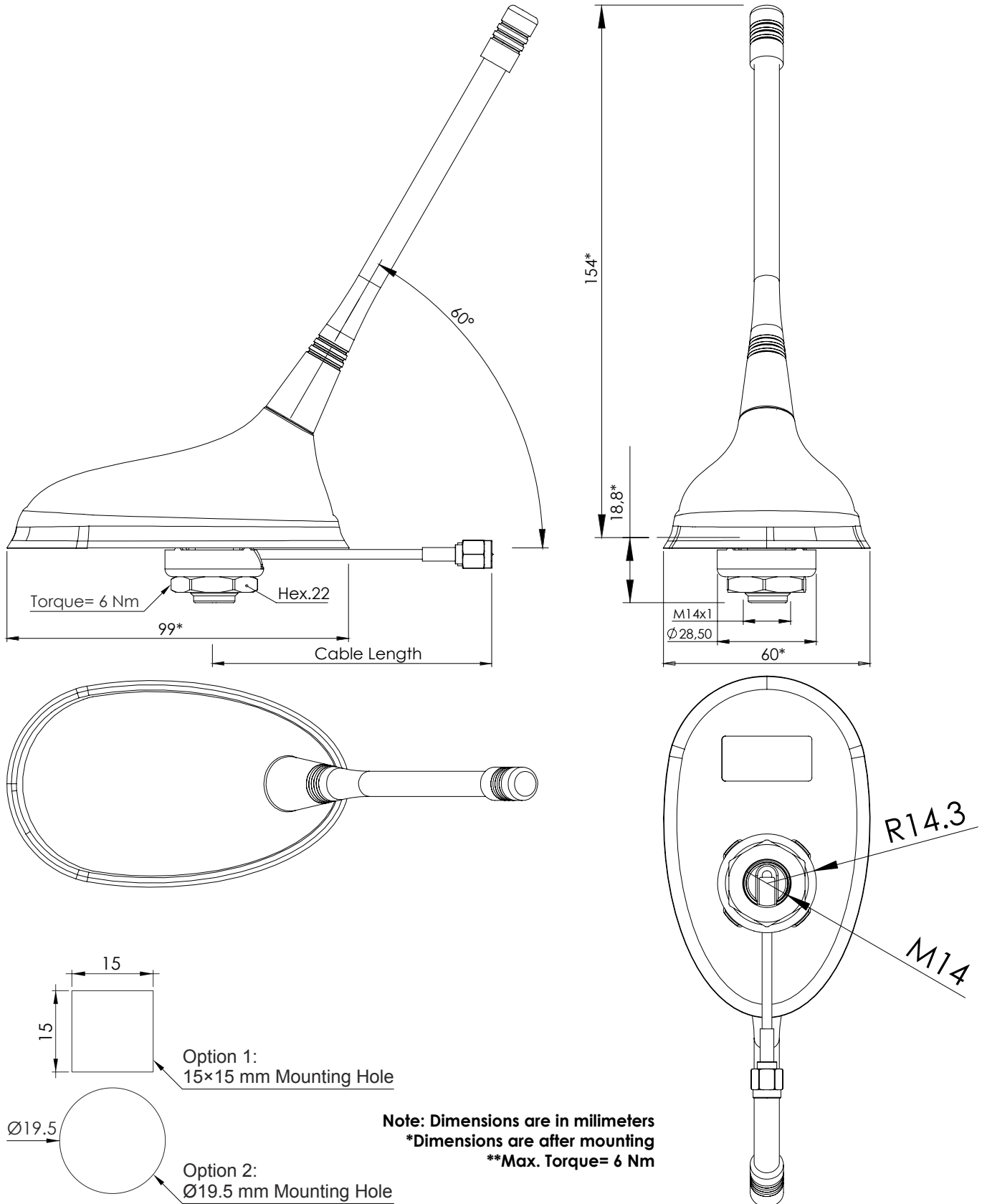
Radiation pattern reference

Cable 1: TETRA/UHF



430 MHz Radiation pattern

## 4. Antenna drawings



## 5. Antenna Images

