

2J1504Bz

Cellular Screw Mount

Key Features

Cable 1: CELLULAR

- 824-960 MHz
- 1710-2170 MHz

Screw Mount

High Performance

Ground Plane Dependent

Customizable Cable and Connector

Dimensions $\varnothing 29 \times 230.5$ mm



1. Antenna and electrical specifications

Cable 1

Parameters	CELLULAR Antenna	
Standards	2G and 3G	
Band (MHz)	850/900	1700/1800/1900/2100
Frequency (MHz)	824-960	1710-2170
Return Loss (dB)	~-16.5	~-9.8
VSWR	~1.5:1	~2.1:1
Efficiency (%)	~62.9	~30.5
Peak Gain (dBi)	~-3.5	~-0.3
Average Gain (dB)	~-2.0	~-5.3
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	100	
Connector Type	SMA-Male Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Other Cable Length Available)	
Cable Type	RG58 Standard (Other Cables Available)	

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Metal Plate

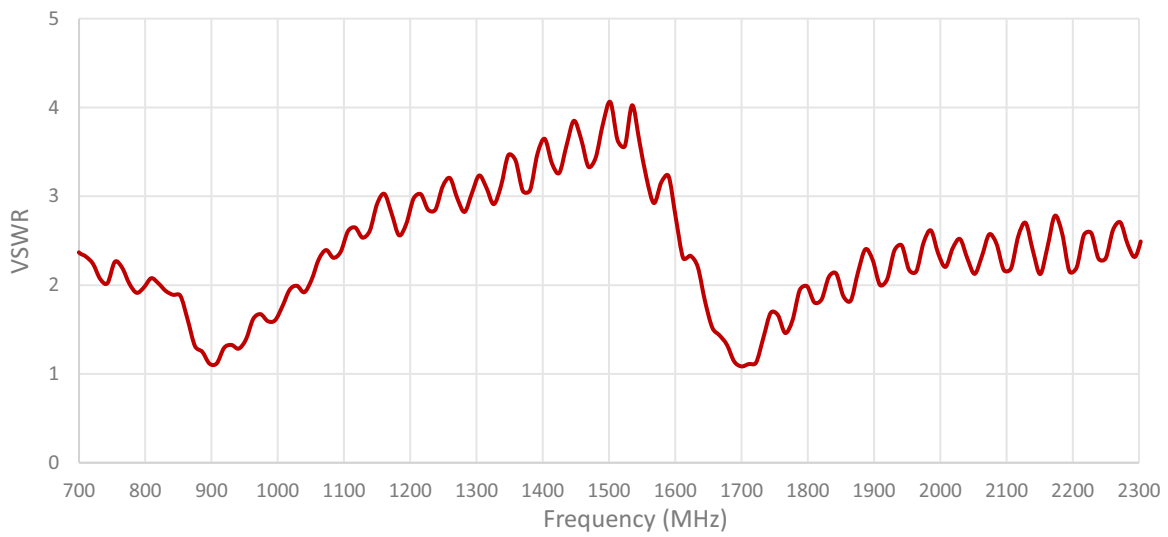
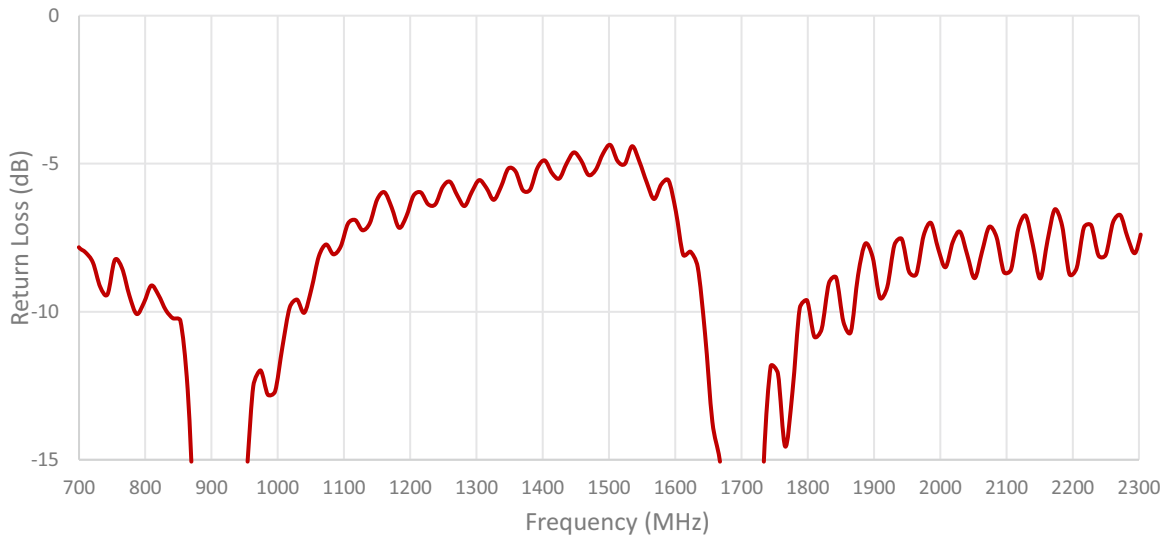
200 cm of RG58

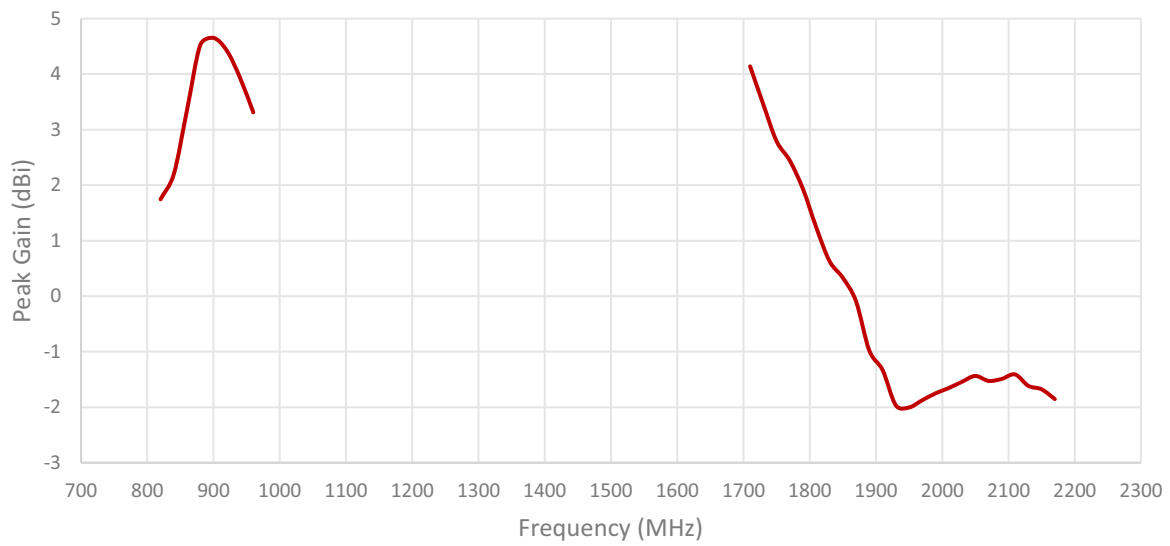
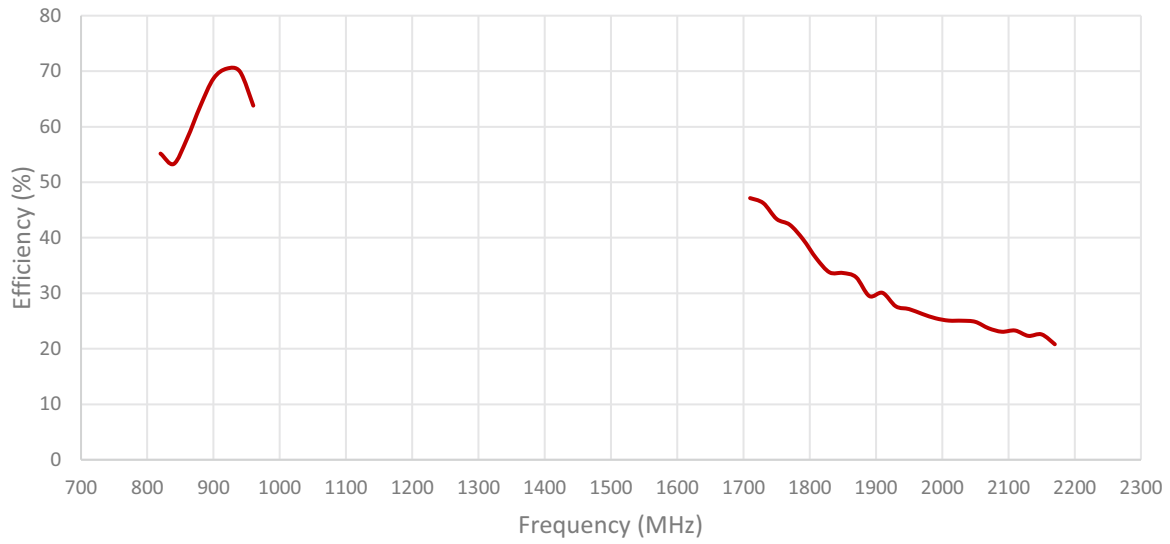
Measured in Certified CTIA 3D Anechoic Chamber

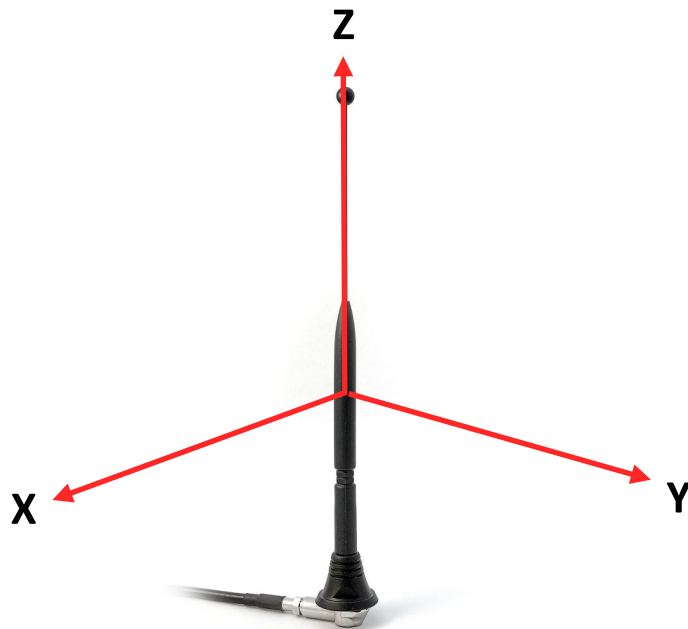
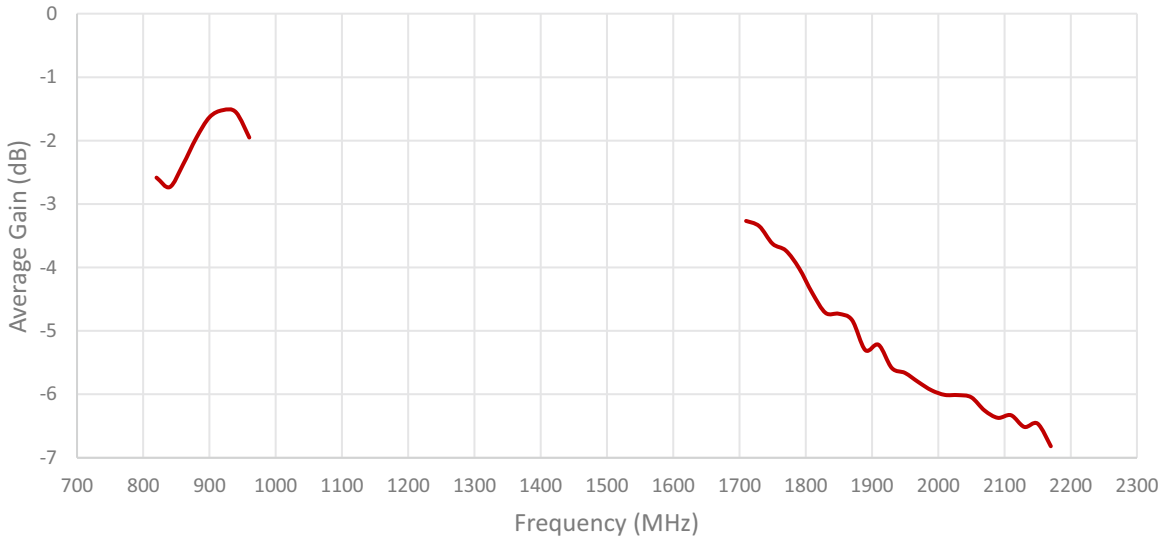
2. Mechanical and environmental specifications

Specifications	2J1504Bz
Mounting Type	Screw Mount
Dimensions (mm)	Ø 29 × 230.5
Random Type	ASA
Random Color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

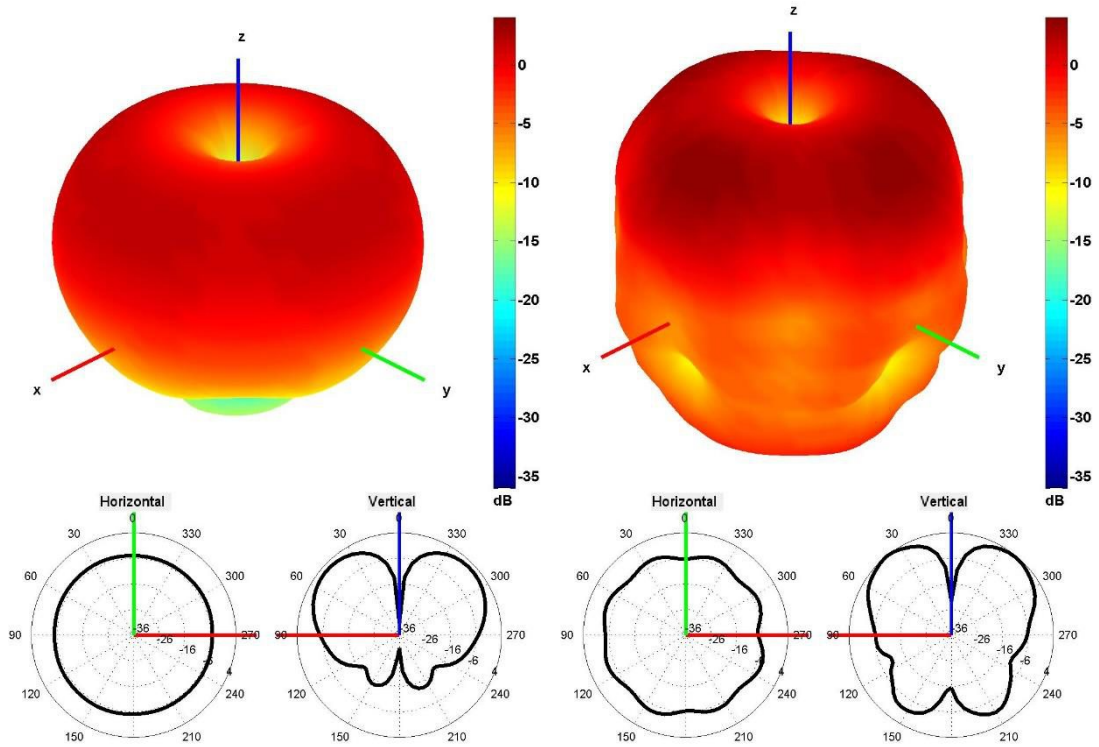
3. Antenna parameters



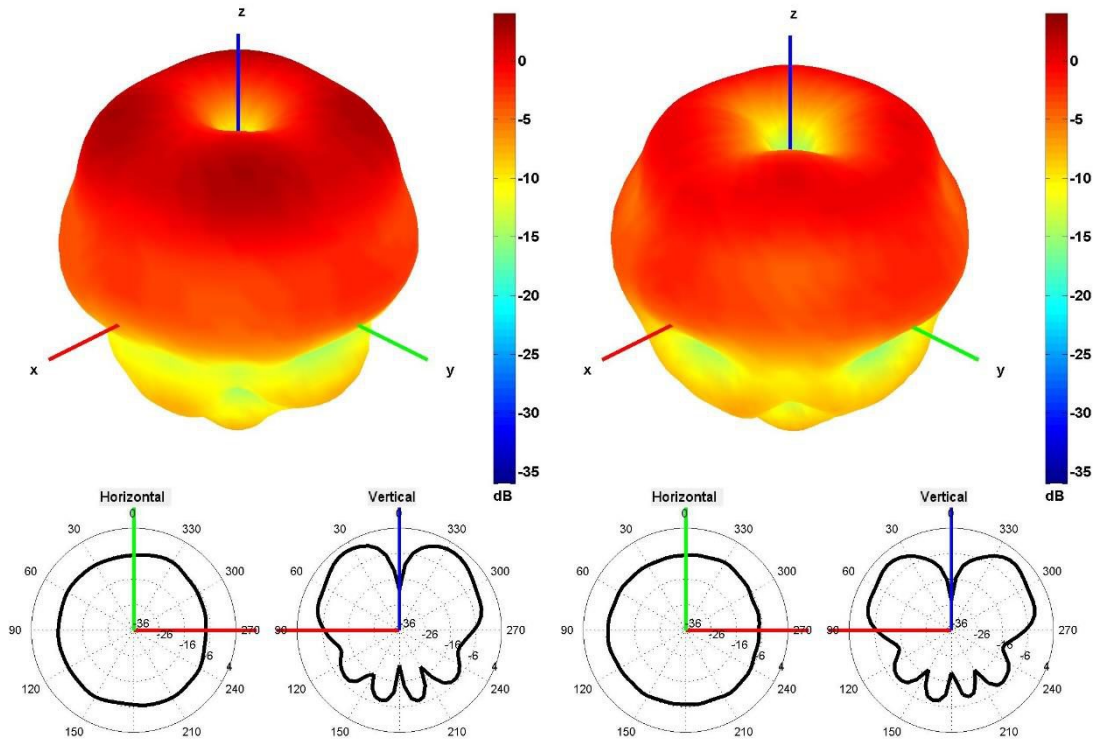




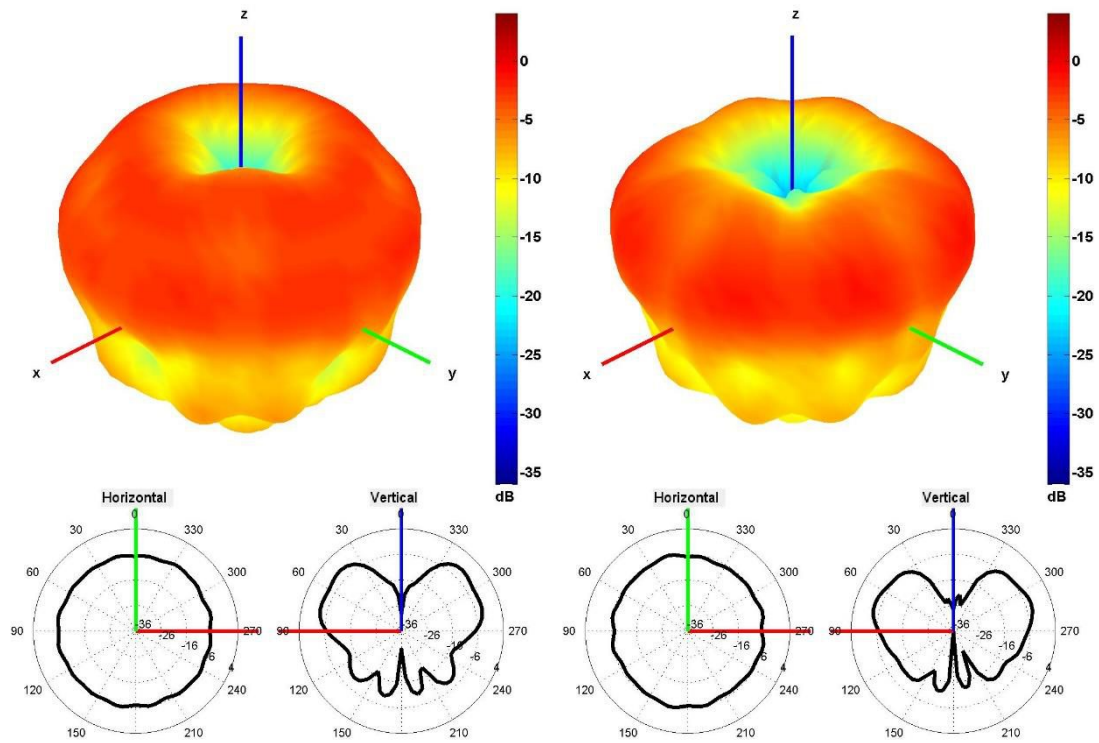
Radiation pattern reference



850 and 940 MHz Radiation pattern

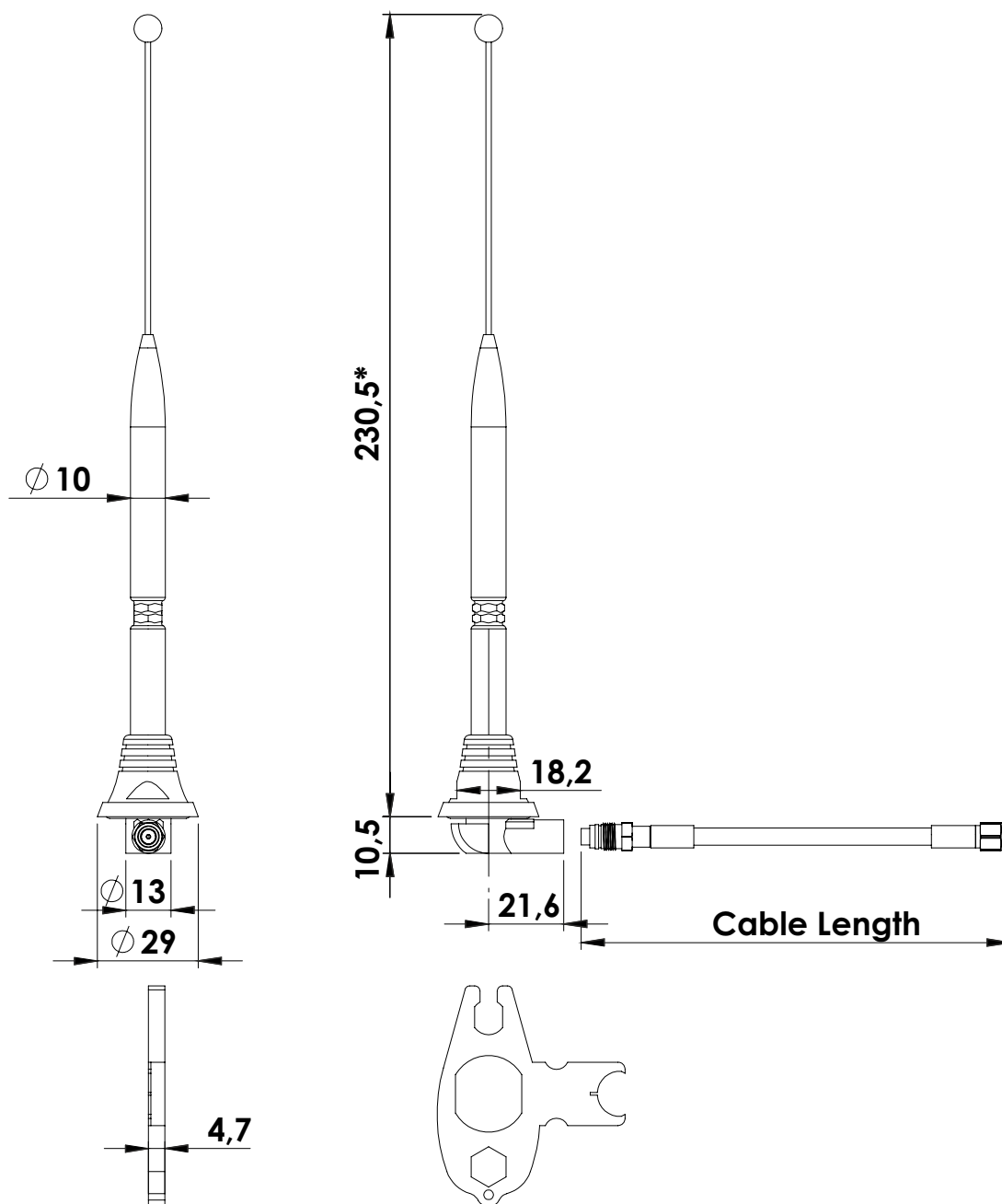


1750 and 1850 MHz Radiation pattern



1950 and 2100 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
*Dimensions are after mounting

5. Antenna Images

