

2J1504B

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 Ø 29 × 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	~-7.8
VSWR	~1.4:1	~2.6:1
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 (Maximum Cable Length 500 cm)	
Cable Type	RG58 Standard	

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Metal Plate

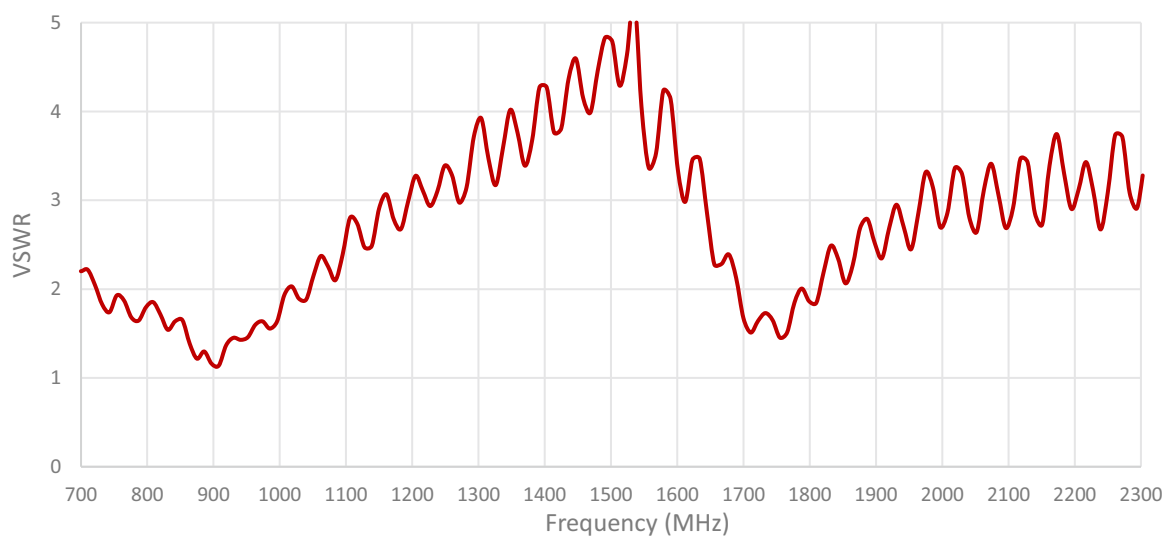
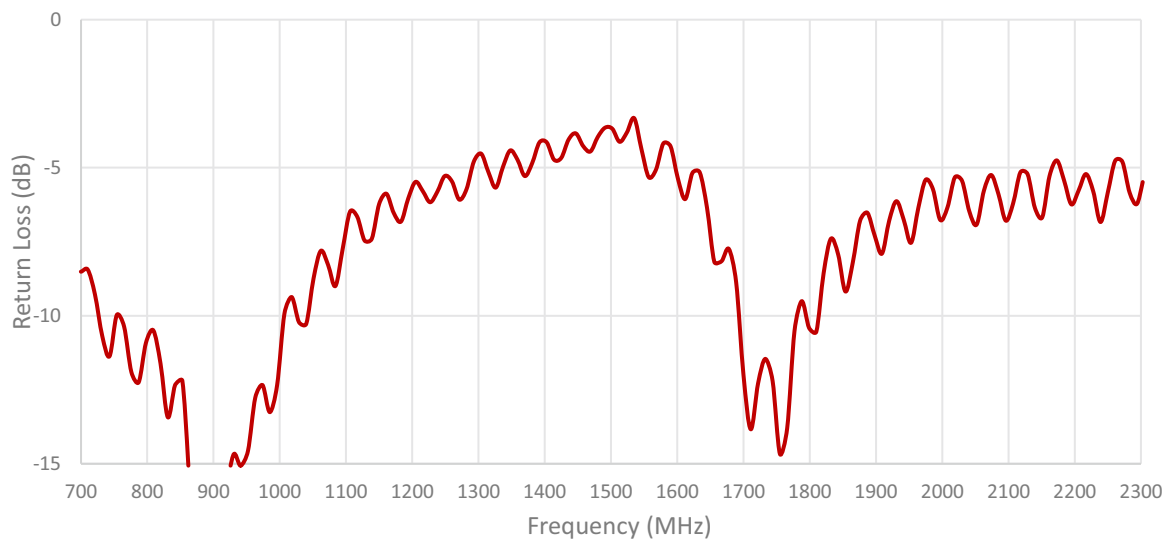
200 cm of RG58

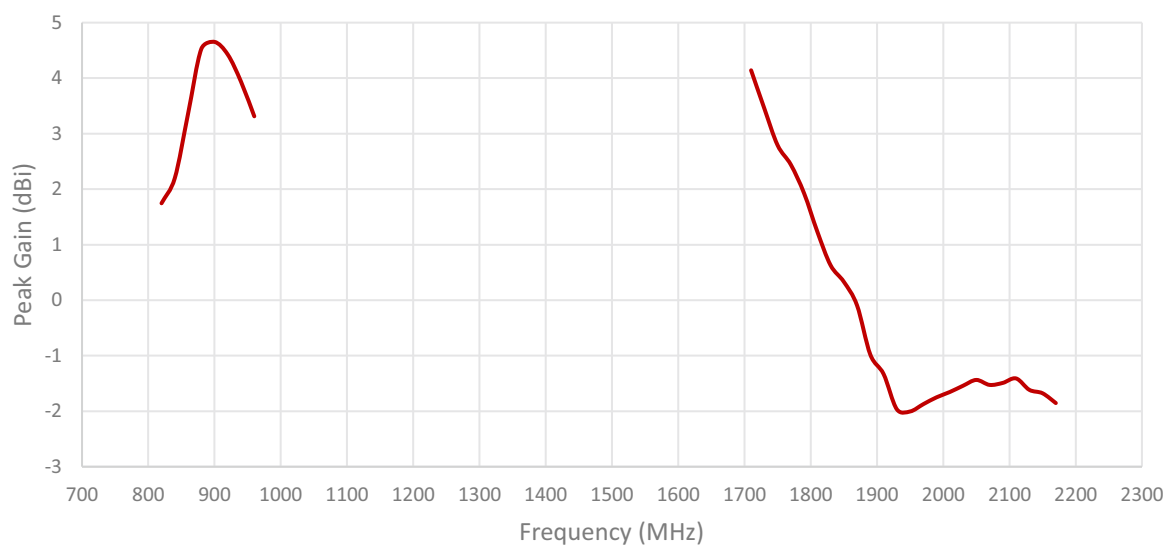
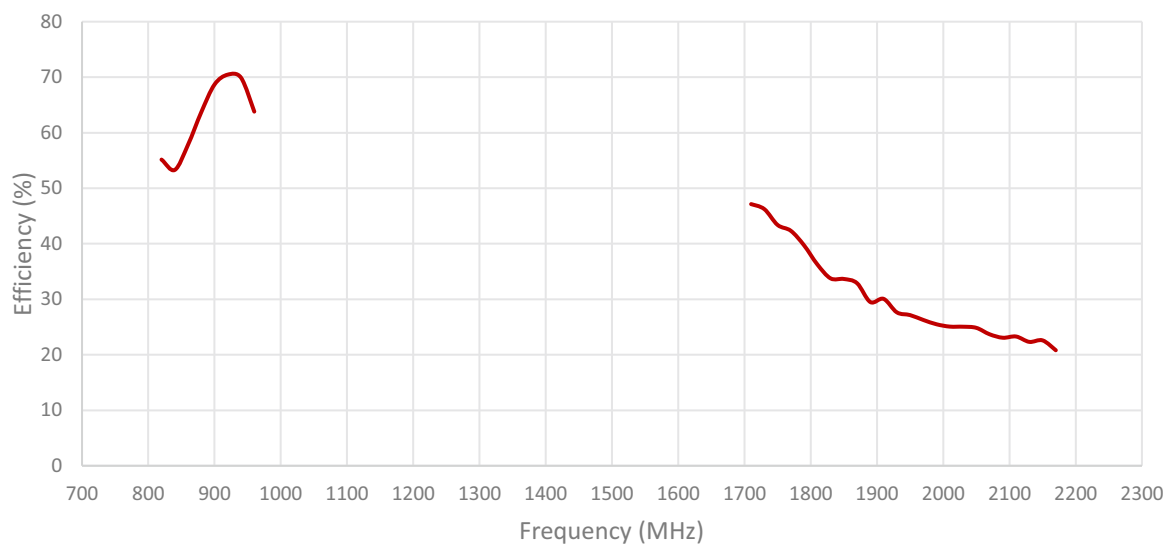
Measured in Certified CTIA 3D Anechoic Chamber

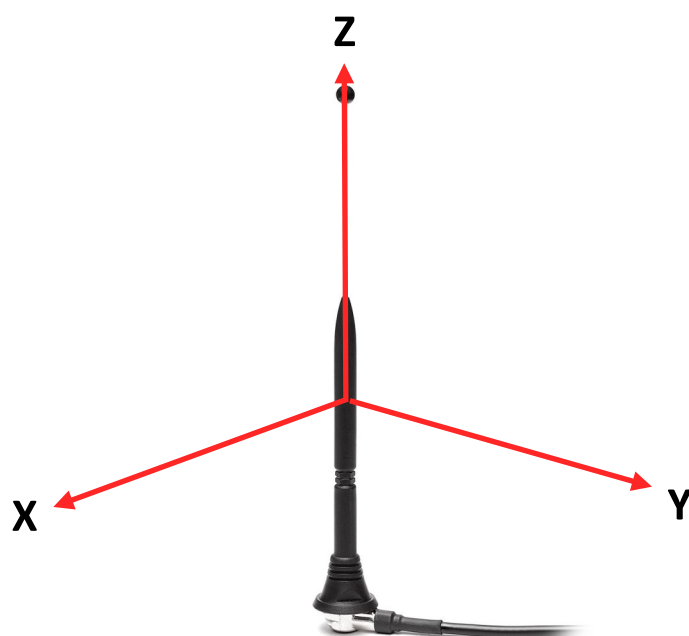
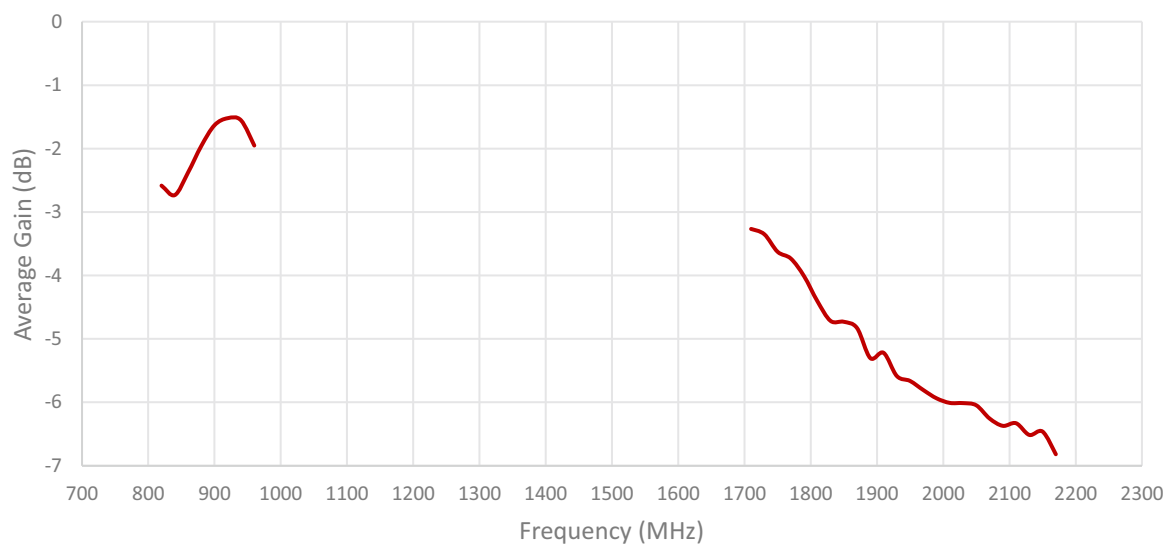
2. Mechanical and environmental specifications

Specifications	2J1504B
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

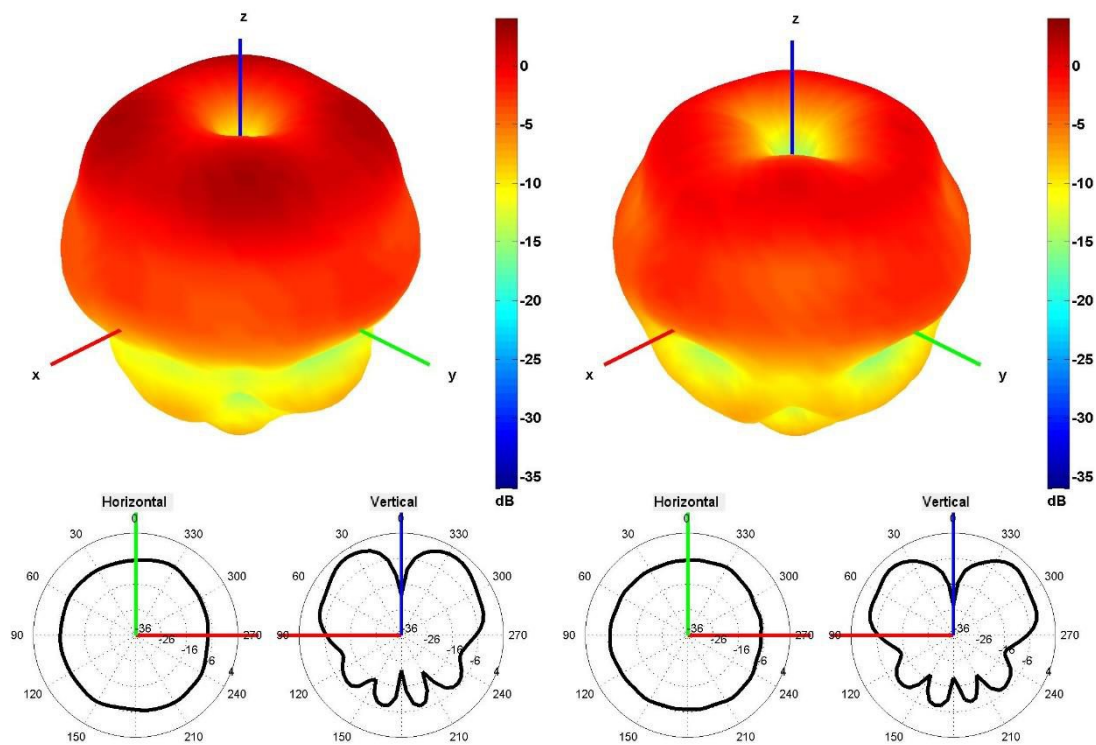
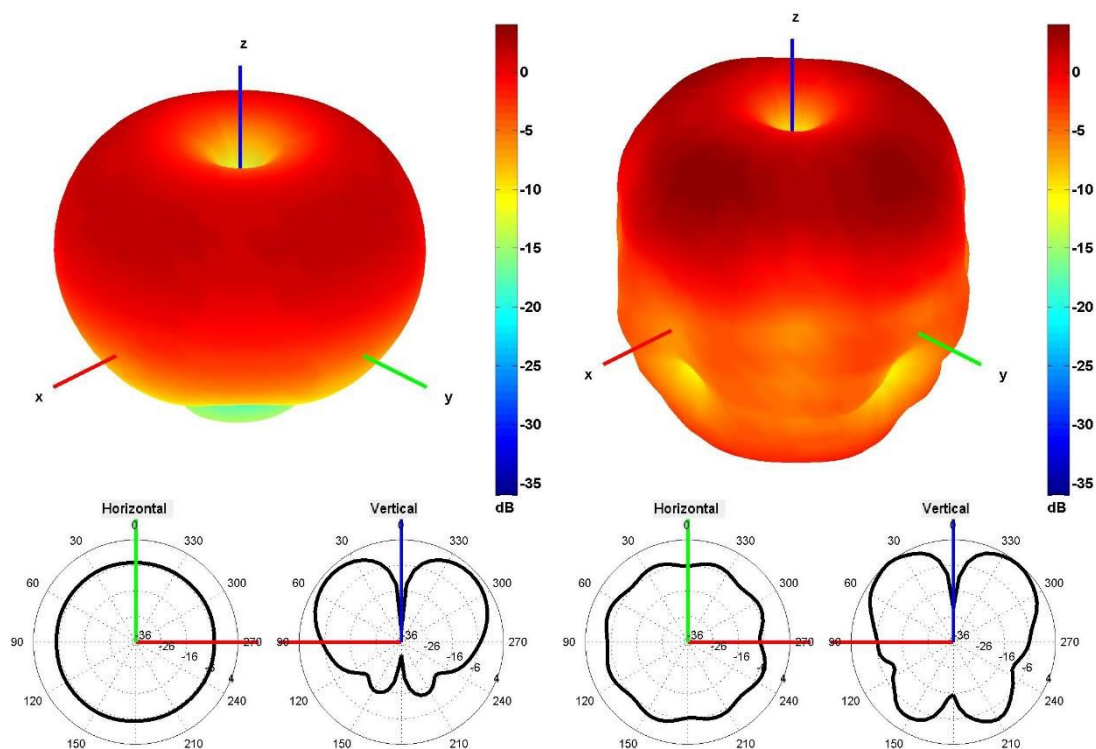
3. Antenna parameters

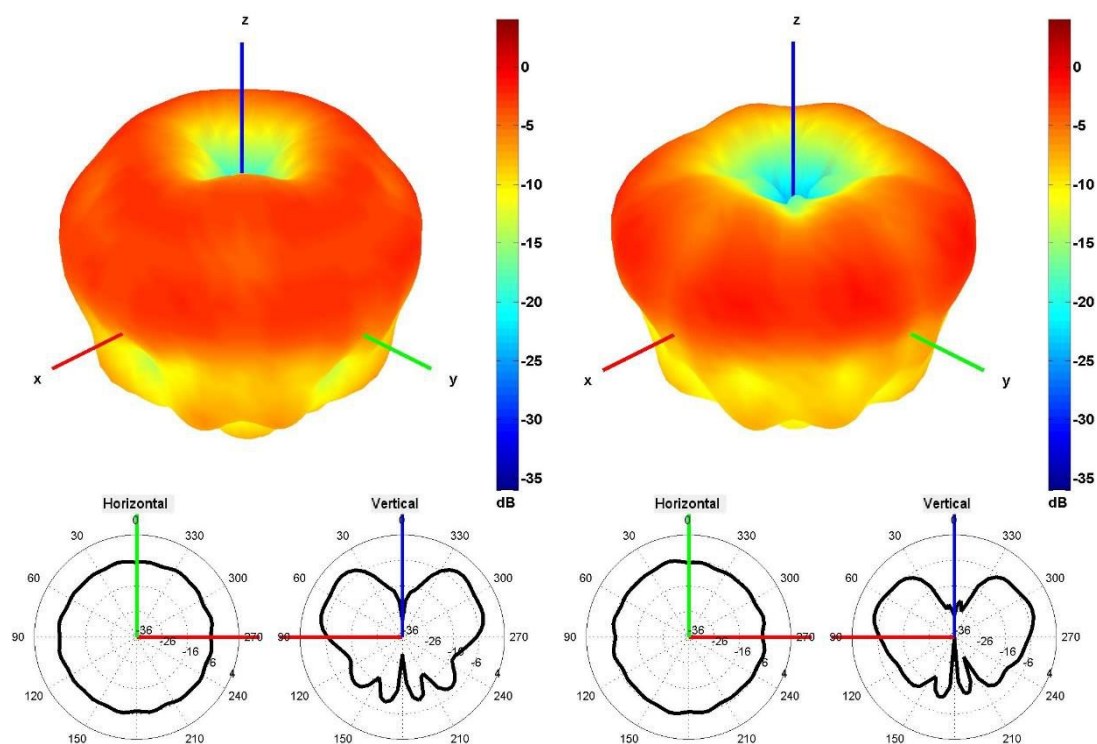






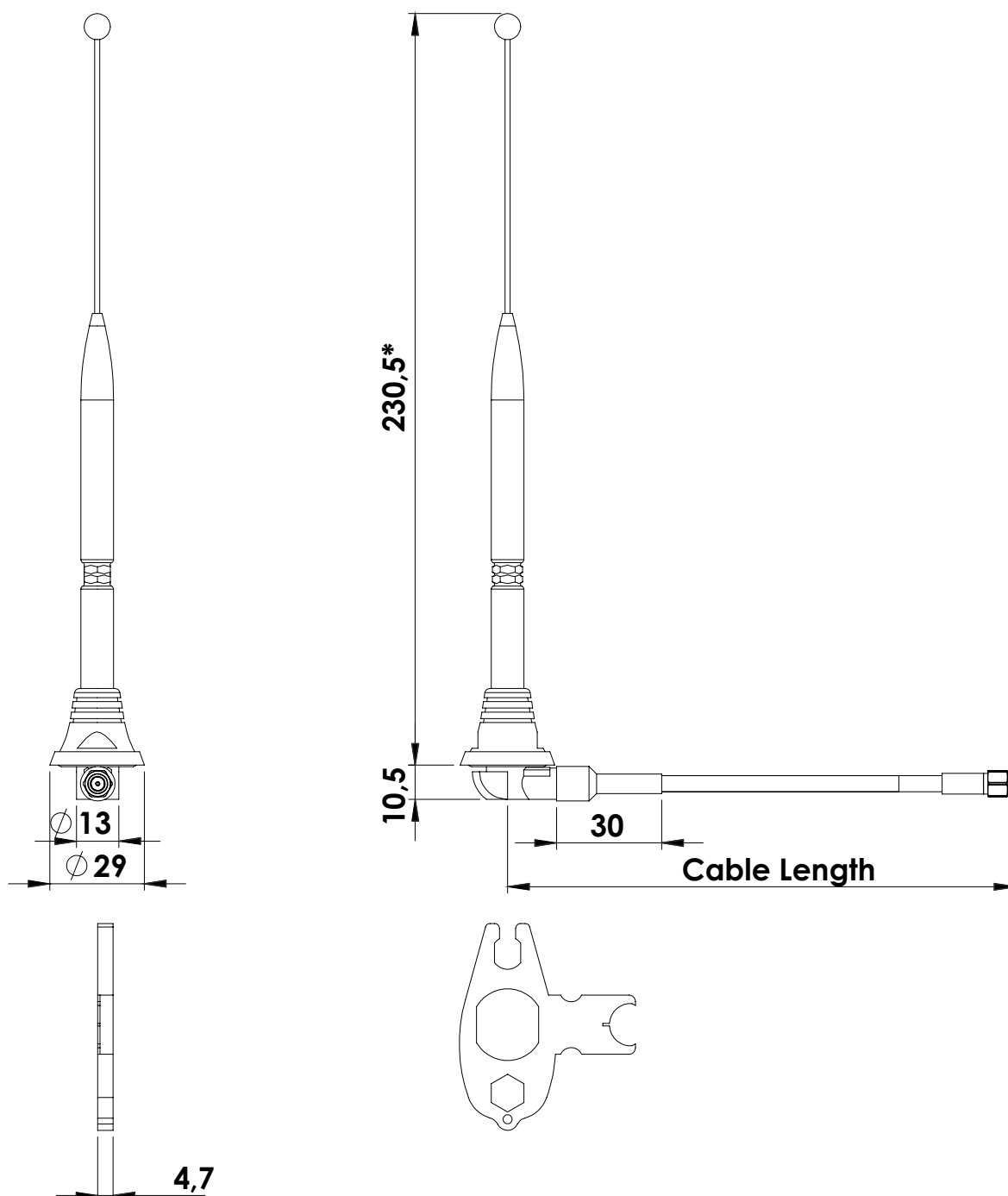
Radiation pattern reference





1950 and 2100 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
***Dimensions are after mounting**

5. Antenna Images

