



TPSB1 WiFi/BT Antenna: Measured Peak Gain and Radiation Patterns

November 25, 2025

Outline

- Antenna info
- Measured Peak Gain of antennas
- Standard Spherical Coordinate System Used in Antenna Measurements
- Test Setup in the Anechoic Chamber
- WiFi Antenna Radiation Patterns

Antenna information

Antenna manufacture name and address:

GoPro, Inc.

3025 Clearview Way, San Mateo, CA 94402, USA

WiFi/BT Antenna:

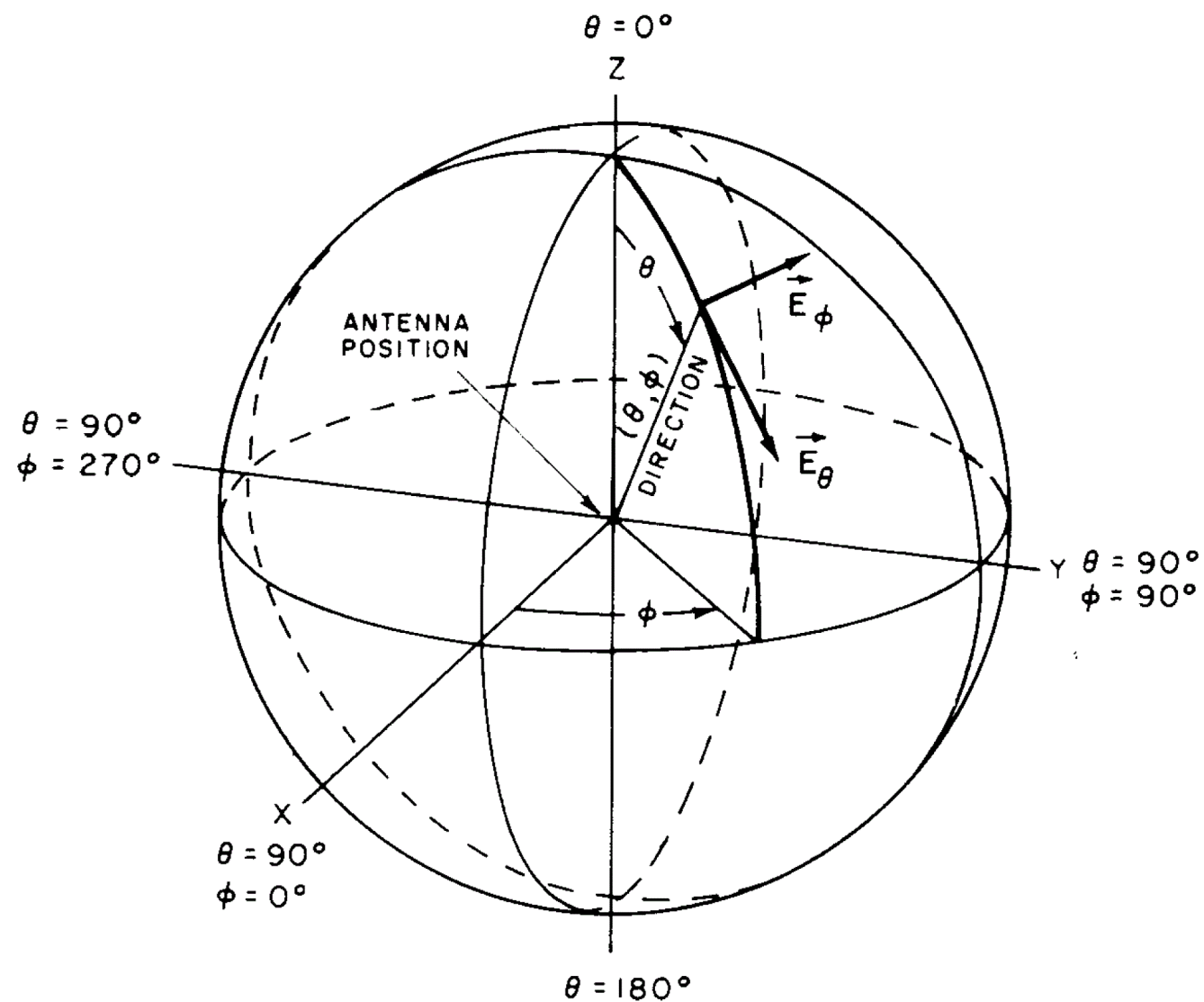
Model#: 425-29924-000

Photos or drawing: See Internal photo exhibit

Measured Peak Gain of antenna

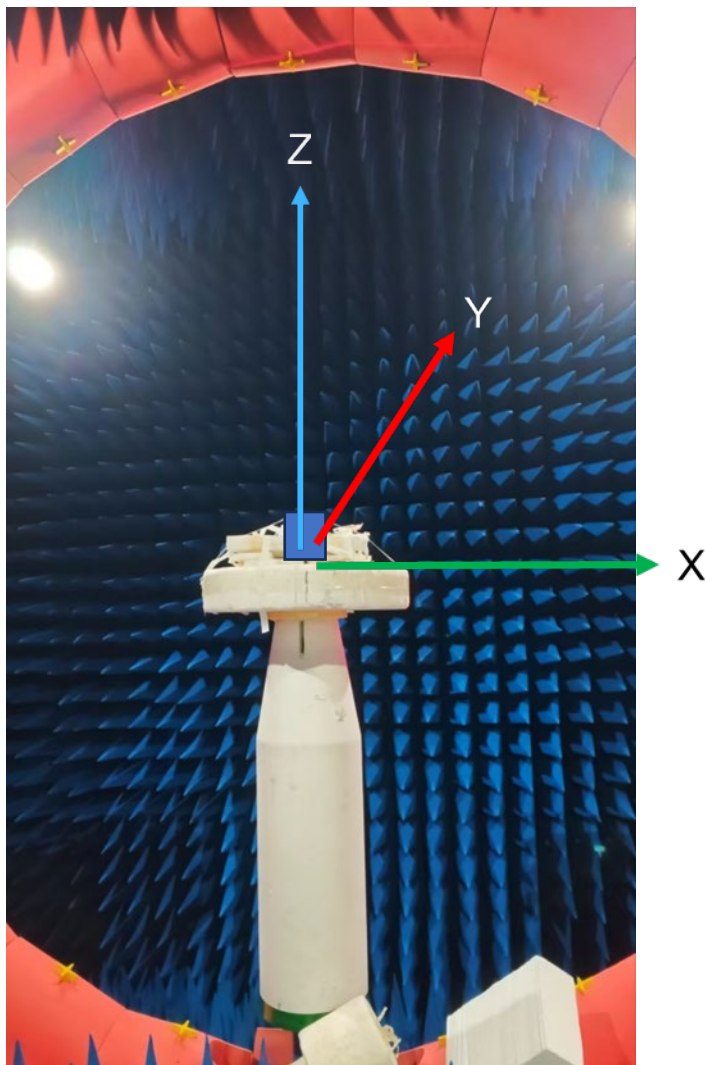
Band[GHz]	Frequency[MHz]	Antenna Peak Gain[dBi]
2.4	2412	0.24
	2442	0.83
	2462	1.37
5	5200	1.96
	5300	2.93
	5600	2.75
	5785	2.33

Standard Spherical Coordinate System Used in Antenna Measurements



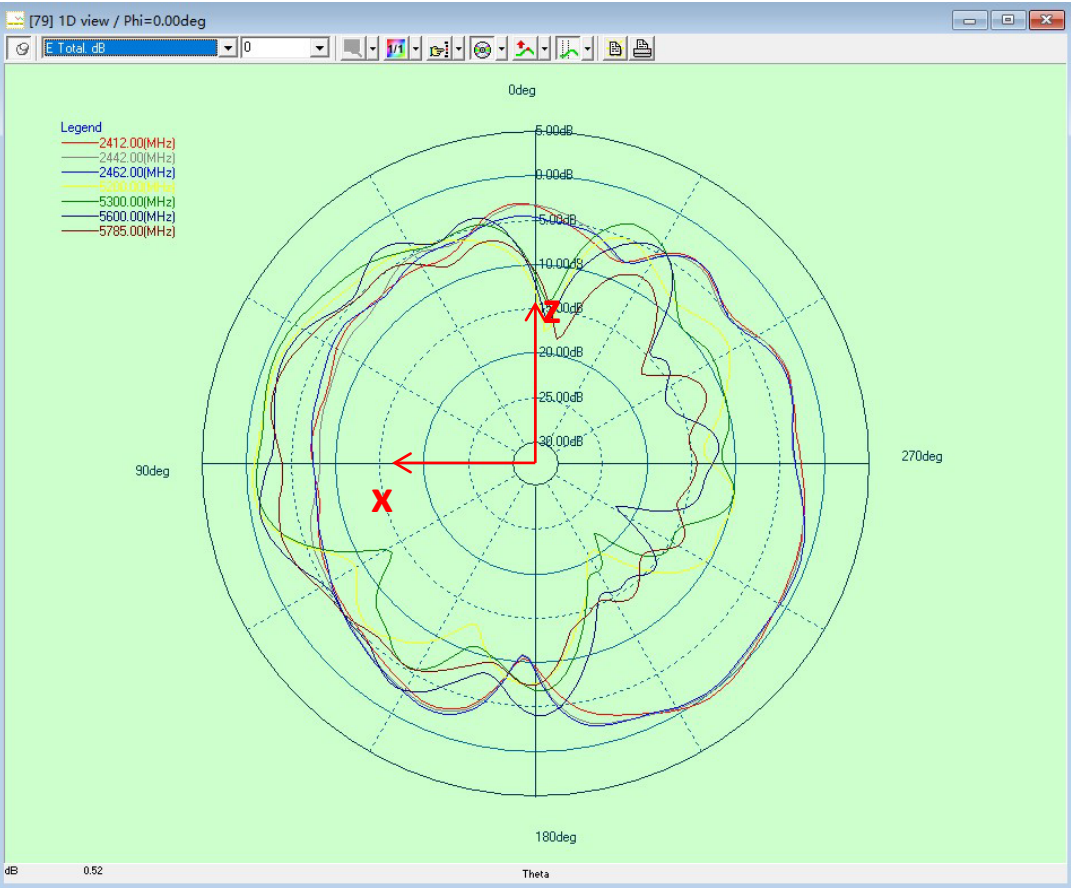
Test Setup in the Anechoic Chamber

Antenna

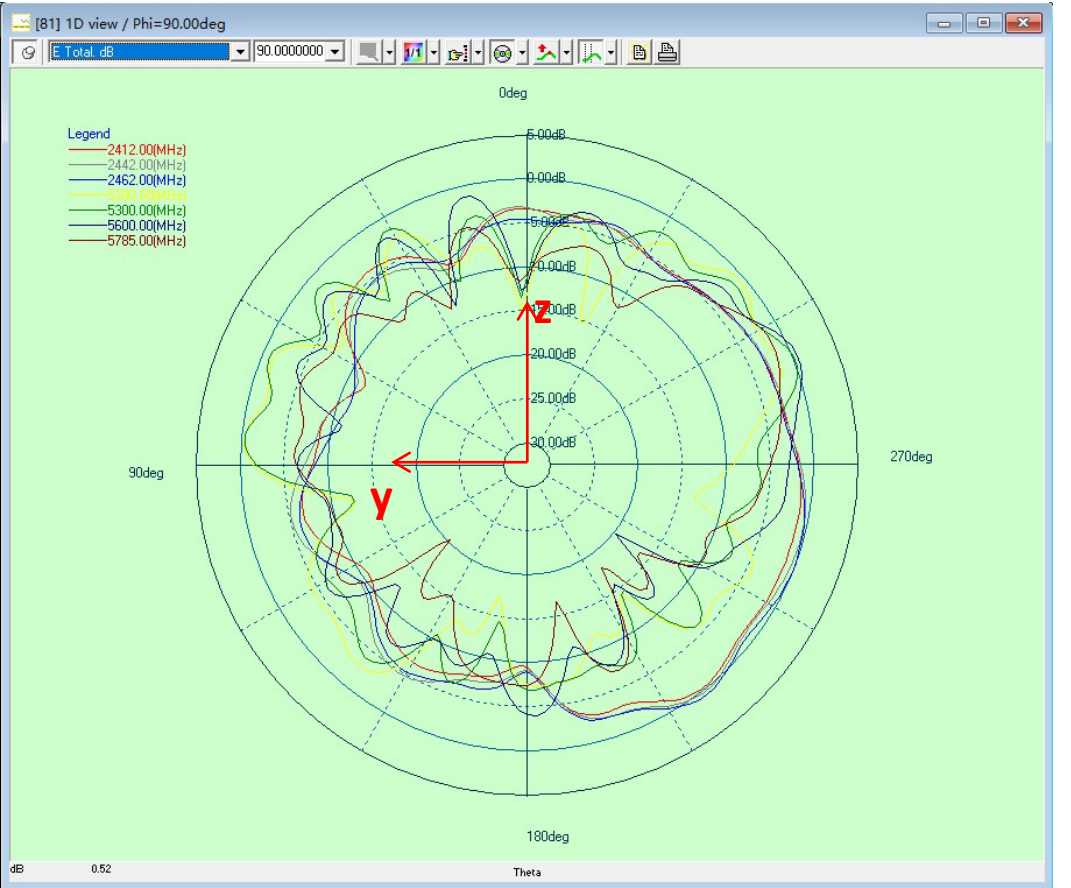


WiFi/BT Antenna Radiation Patterns in the Vertical Planes

XZ plane ($\phi=0^\circ$)



YZ plane ($\phi=90^\circ$)



WiFi/BT Antenna Radiation Patterns in the Horizontal Plane

XY plane ($\theta=90^\circ$)

