

2. Specification

Wi-Fi Electrical

Band	Frequency (MHz)	Efficiency (%)	Average Gain (dB)	Peak Gain (dBi)	Impedance	Polarization	Radiation Pattern	Power consumption
Wi-Fi 2.4 GHz	2400-2500	48.7	-3.12	2.24	50 Ω	Linear	Omni	10W

Mechanical

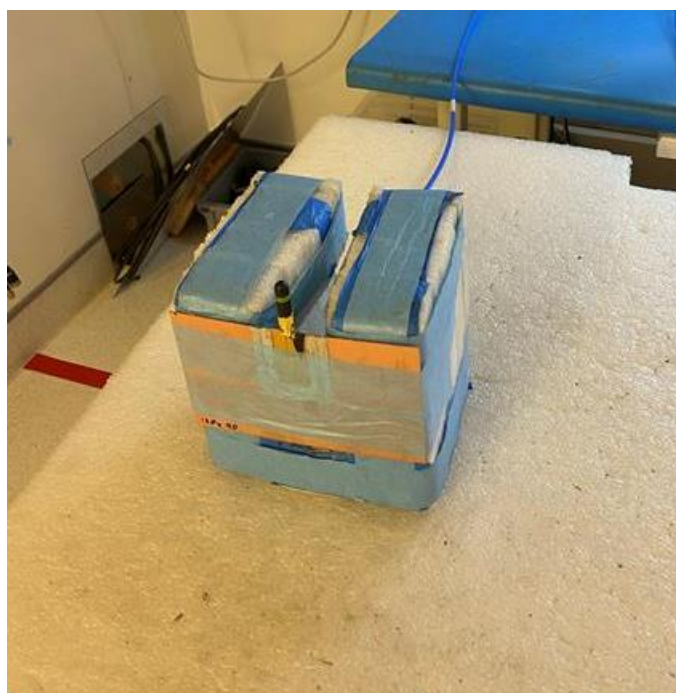
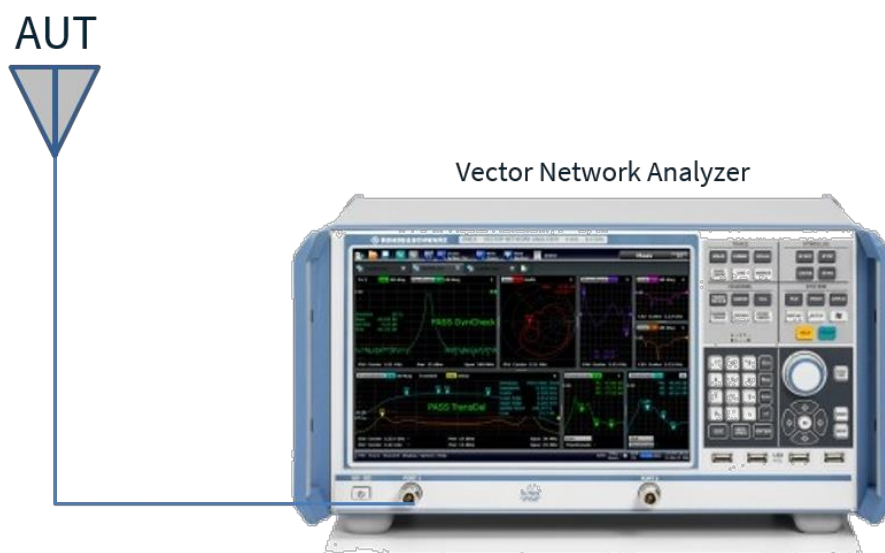
Dimensions	30mm x $\varnothing$ 7.9mm
Material	TPU
Connector	RP-SMA(M)

Environmental

Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

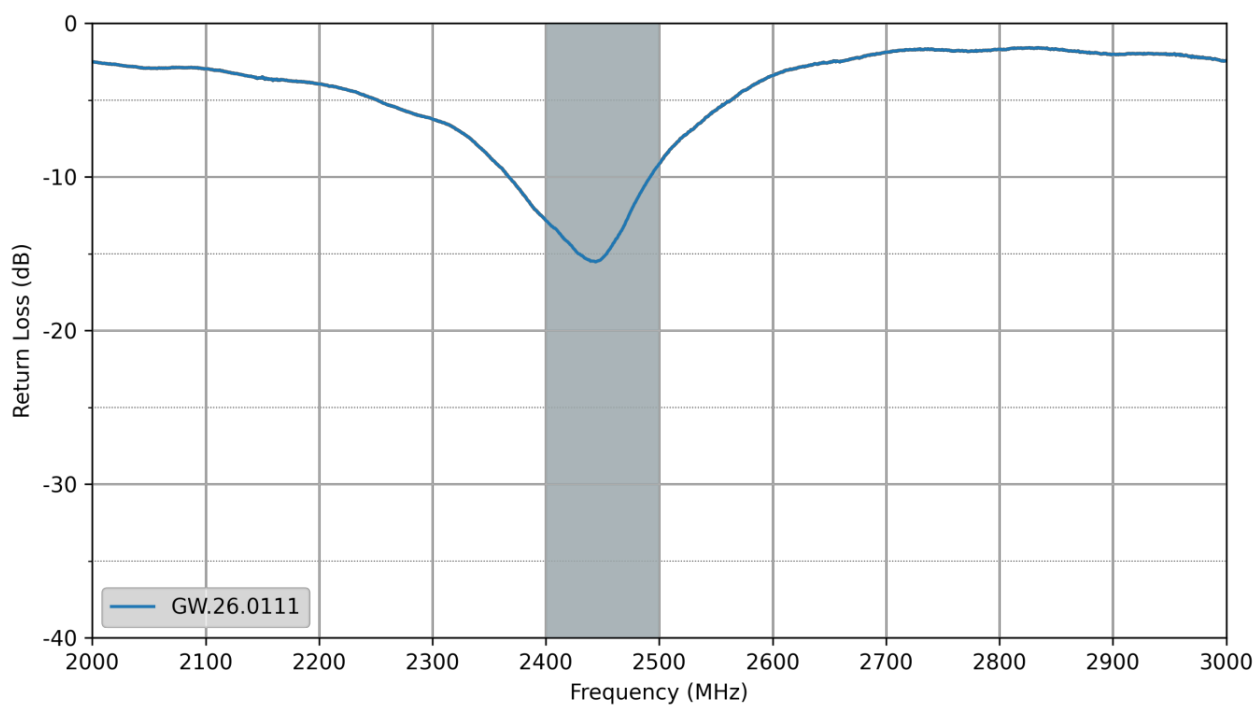
3. Antenna Characteristics

3.1 Test Setup

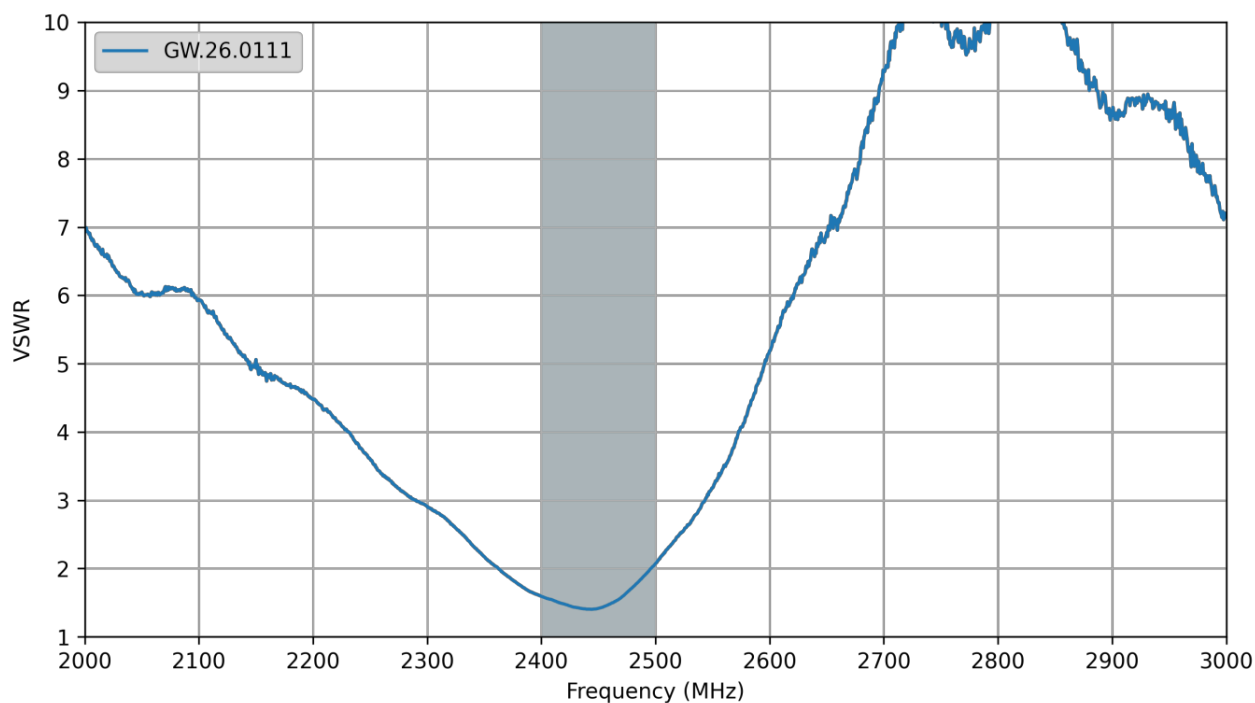


Tested on 150x90mm Ground Plane

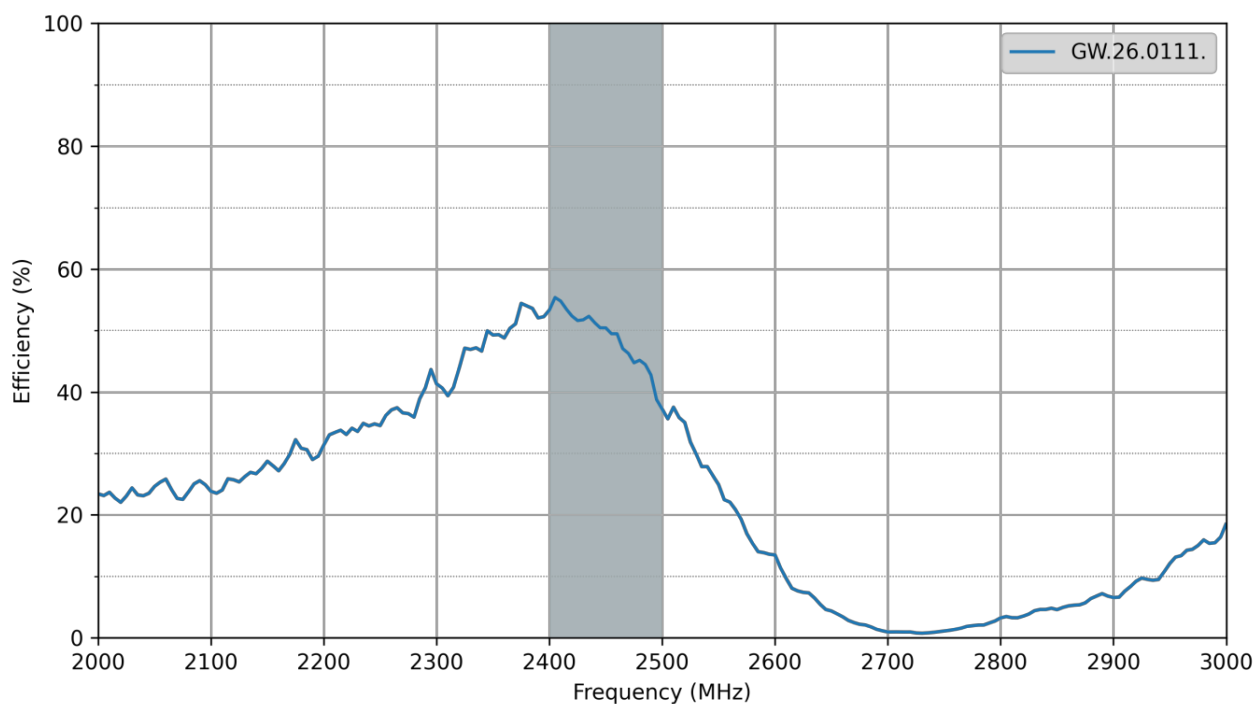
3.2 Return Loss



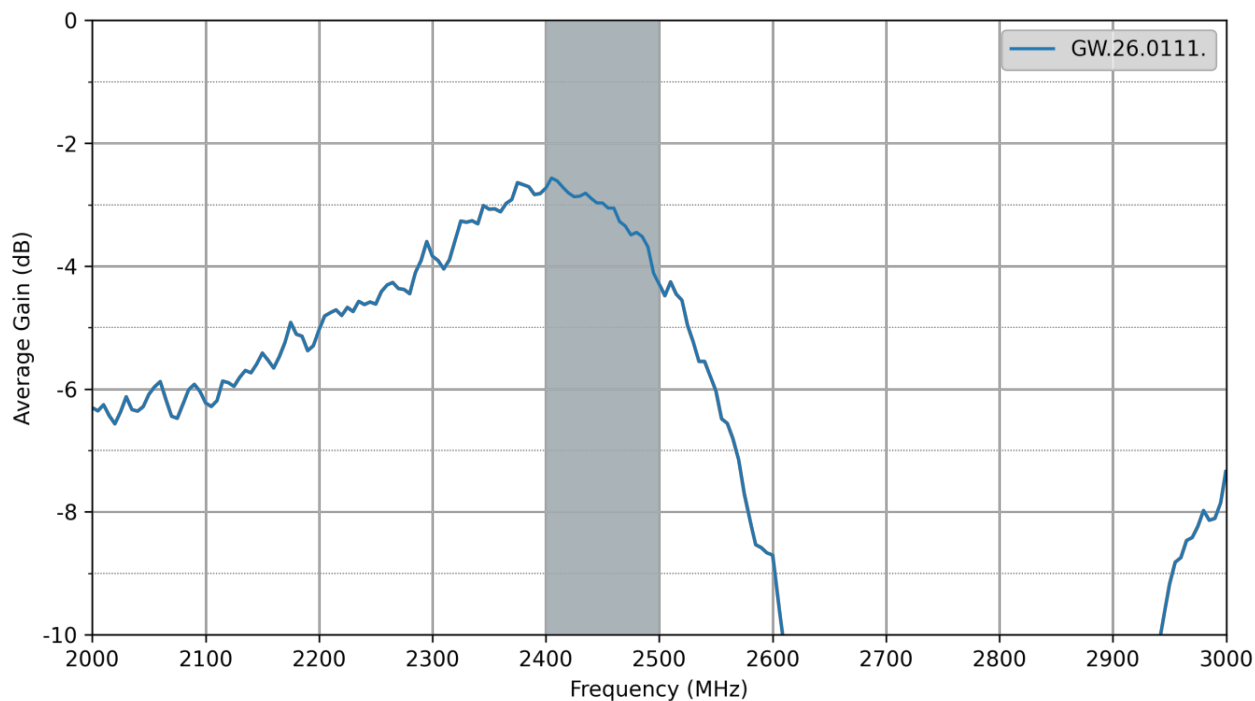
3.3 VSWR



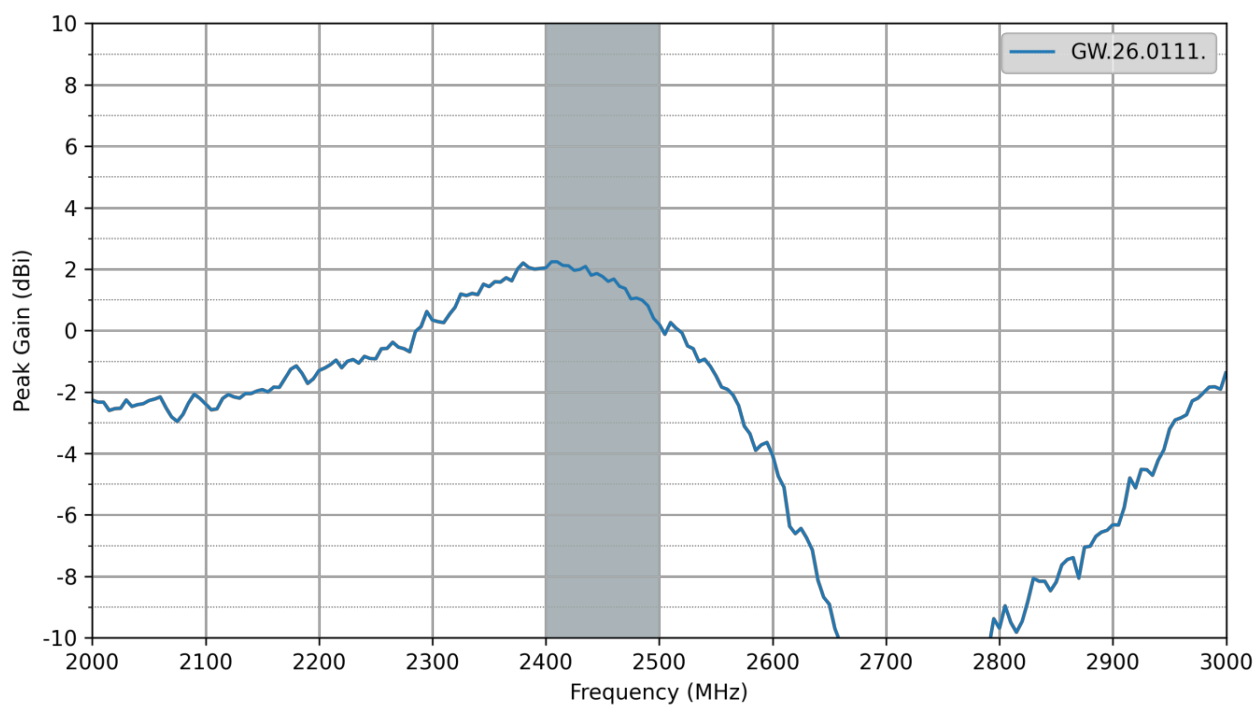
3.4 Efficiency



3.5 Average Gain

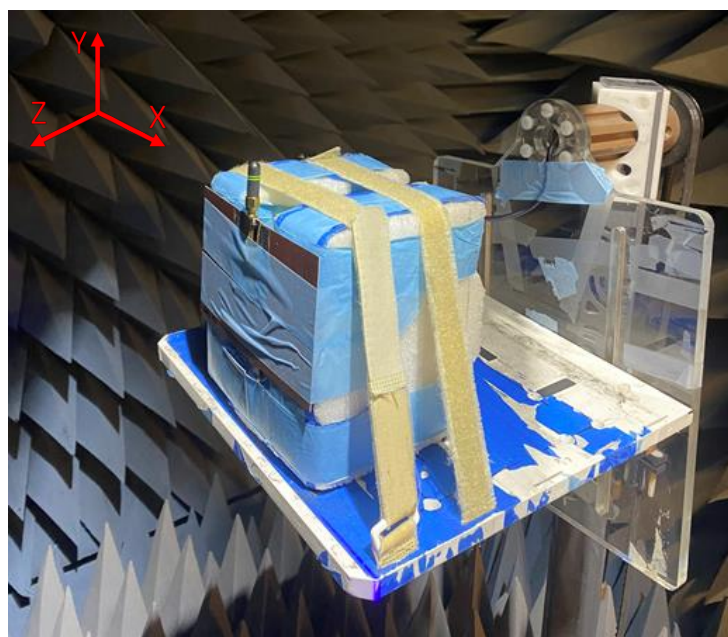
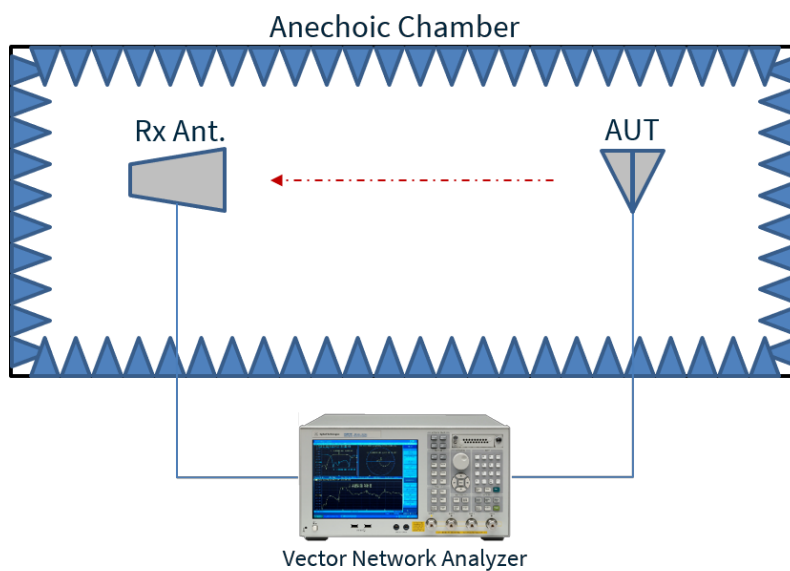


3.6 Peak Gain



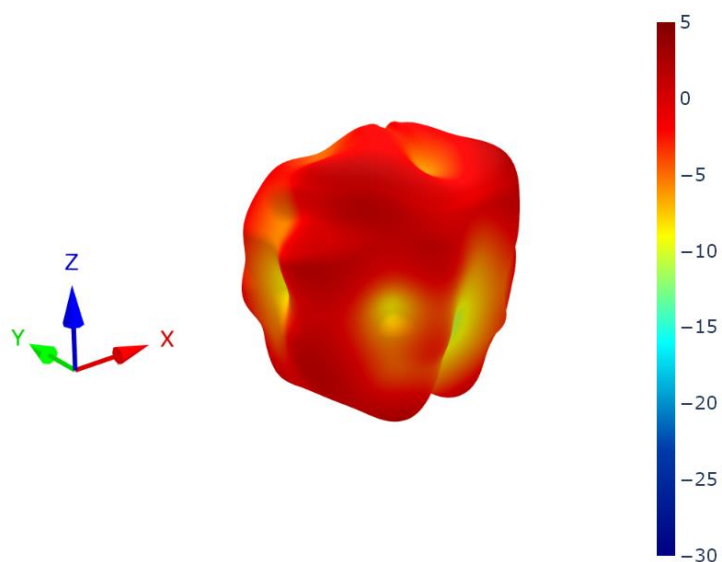
4. Radiation Patterns

4.1 Test Setup

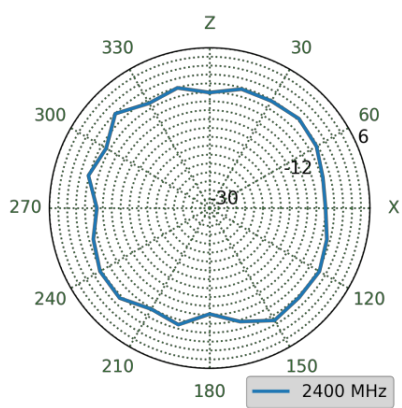


Tested on 150x90mm Ground Plane

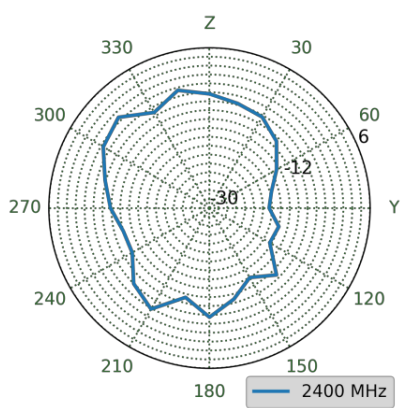
4.2 GW.26.0111 - Patterns at 2400 MHz



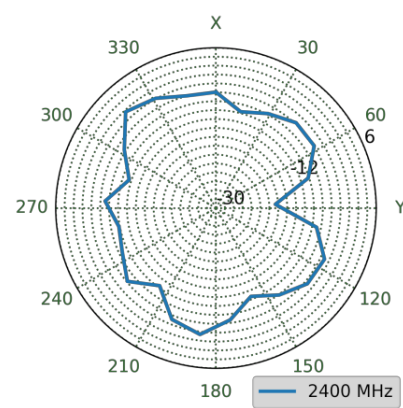
XZ Plane



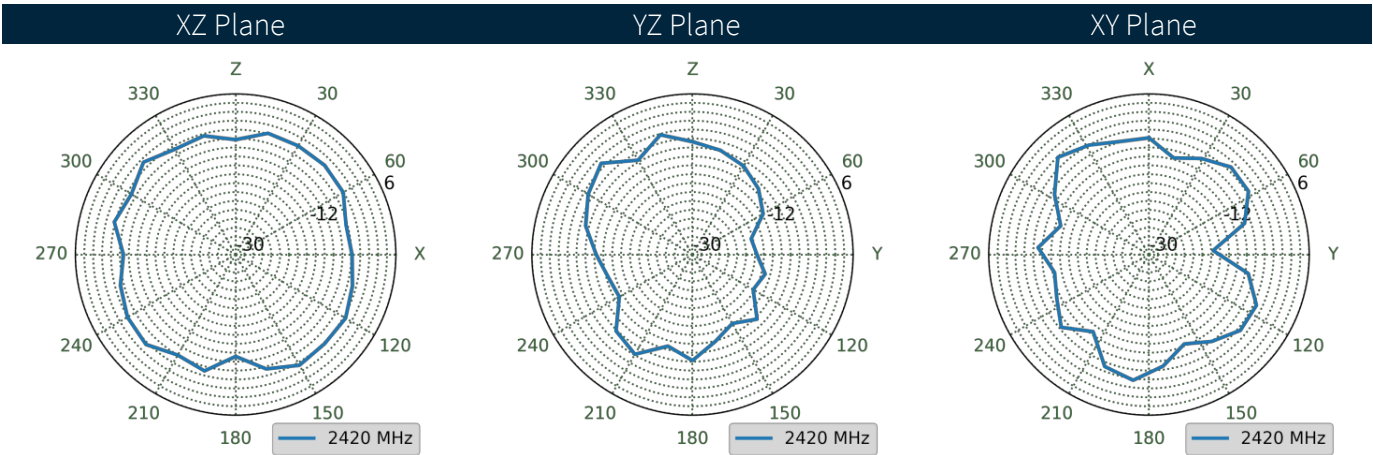
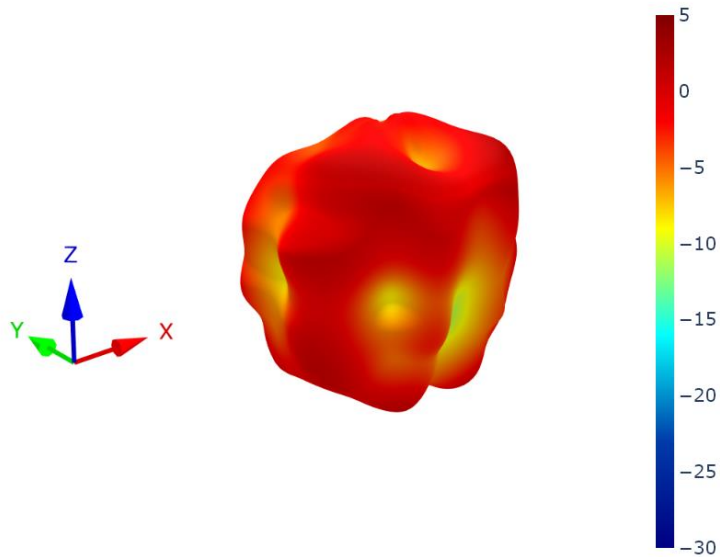
YZ Plane



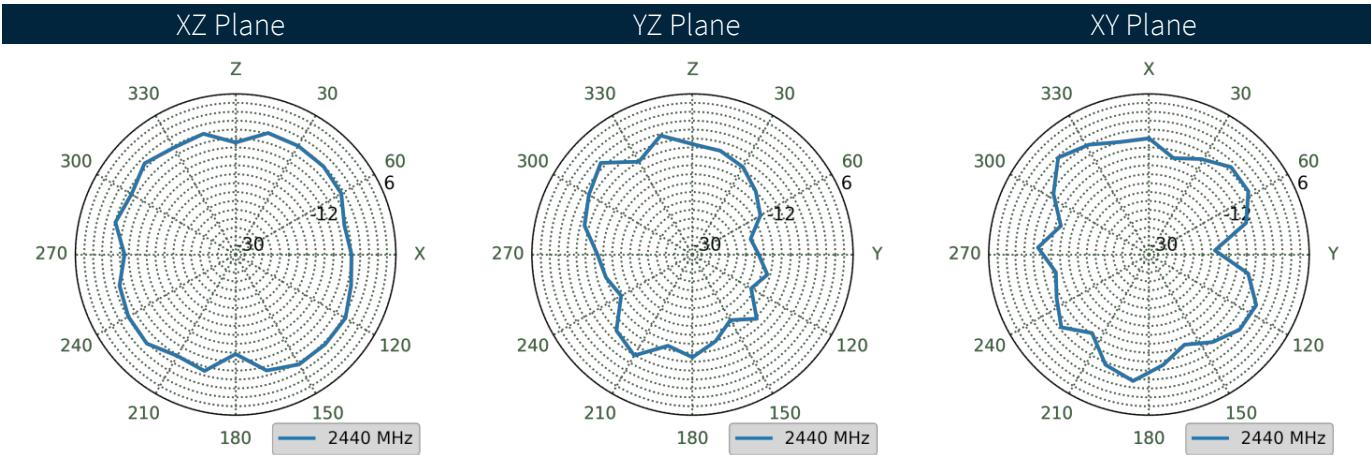
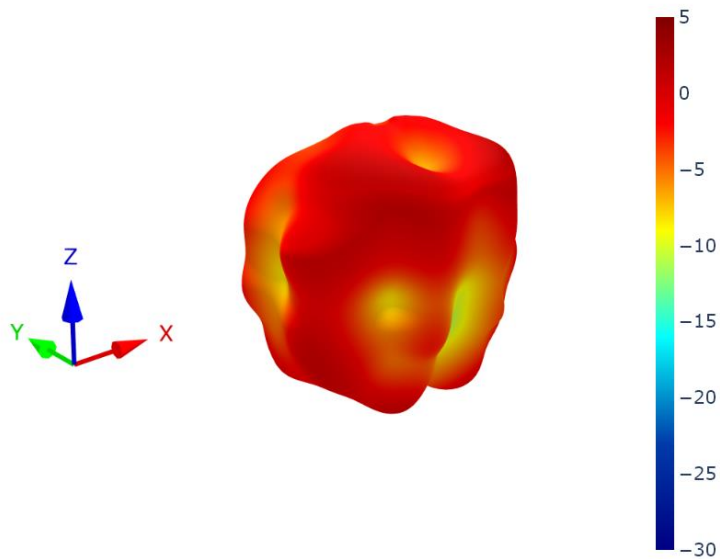
XY Plane



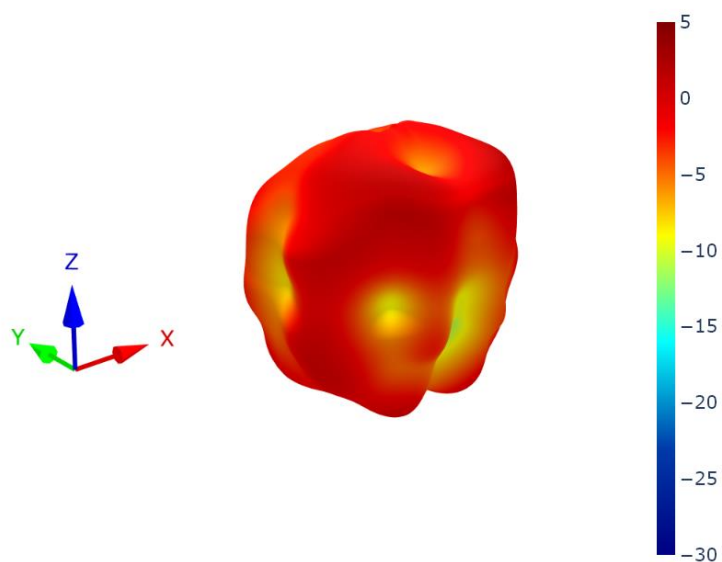
4.3 GW.26.0111 - Patterns at 2420 MHz



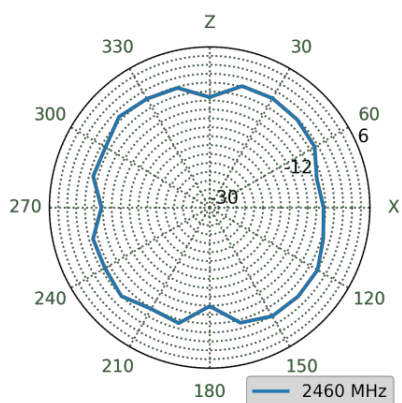
4.4 GW.26.0111 - Patterns at 2440 MHz



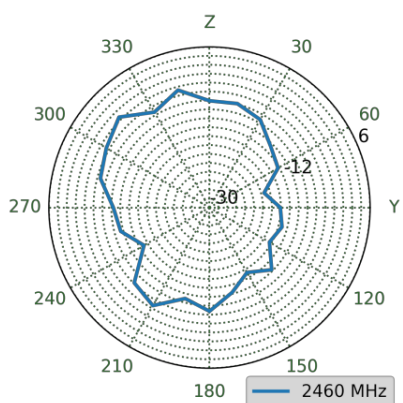
4.5 GW.26.0111 - Patterns at 2460 MHz



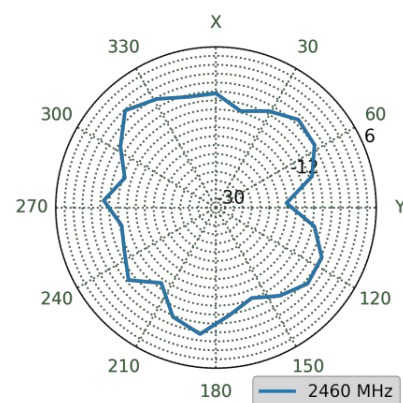
XZ Plane



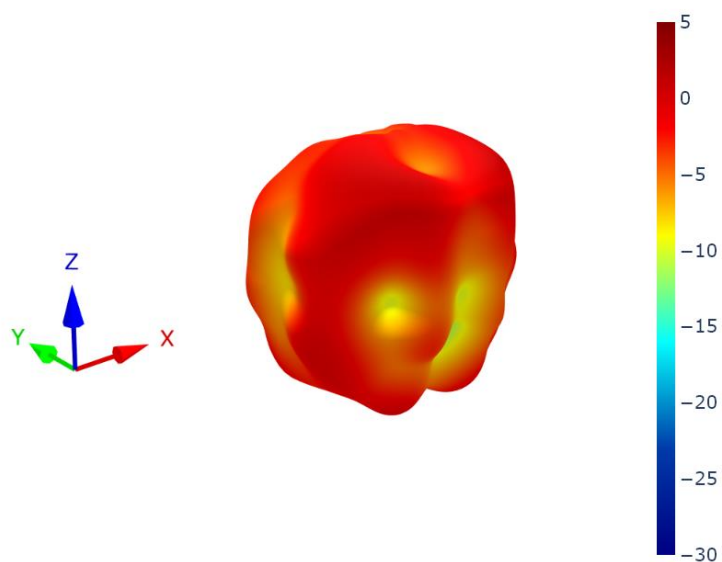
YZ Plane



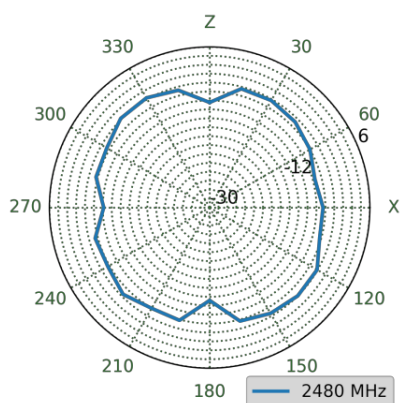
XY Plane



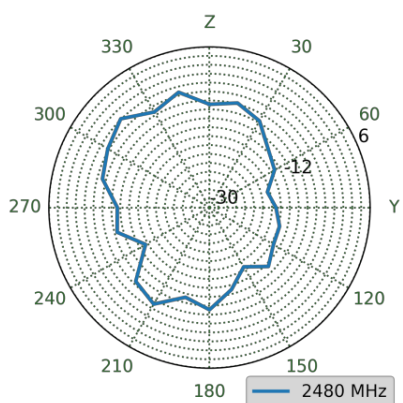
4.6 GW.26.0111 - Patterns at 2480 MHz



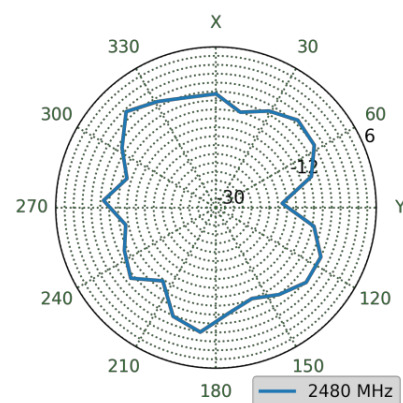
XZ Plane



YZ Plane



XY Plane



4.7 GW.26.0111 - Patterns at 2500 MHz

