

Antenna Report

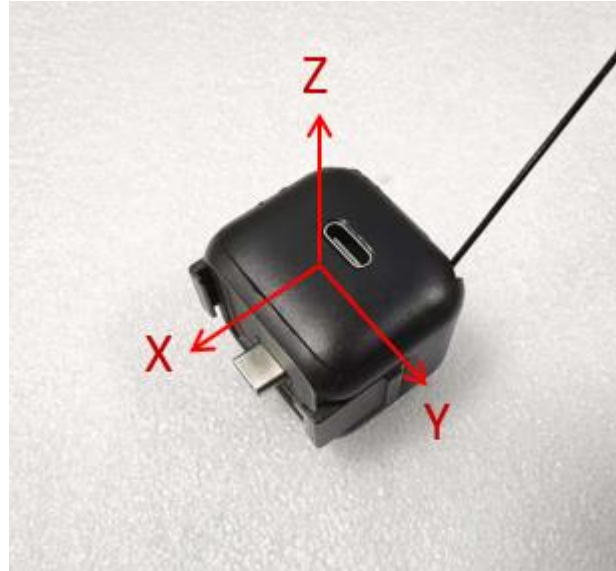
UCI CENTER FOR RF DESIGN AND CHARACTERIZATION

Tested Products.

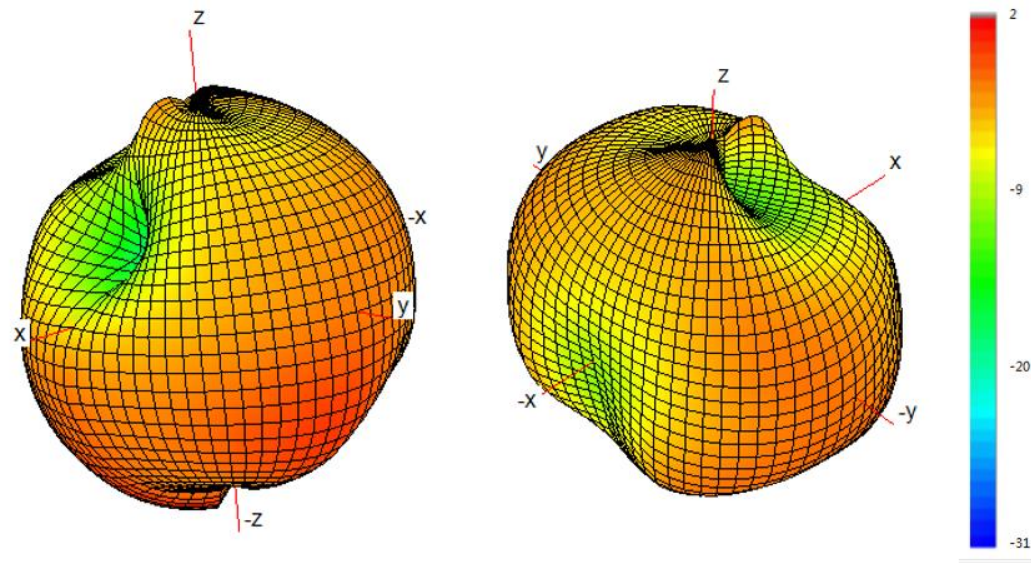
- Antenna 1: FPC antenna.
 - Frequency =2402MHz
 - Frequency =2404MHz
 - Frequency =2440MHz
 - Frequency =2441MHz
 - Frequency =2472MHz
 - Frequency =2480MHz

Radiation pattern: Antenna 3D Pattern at $f = 2402\text{MHz}$

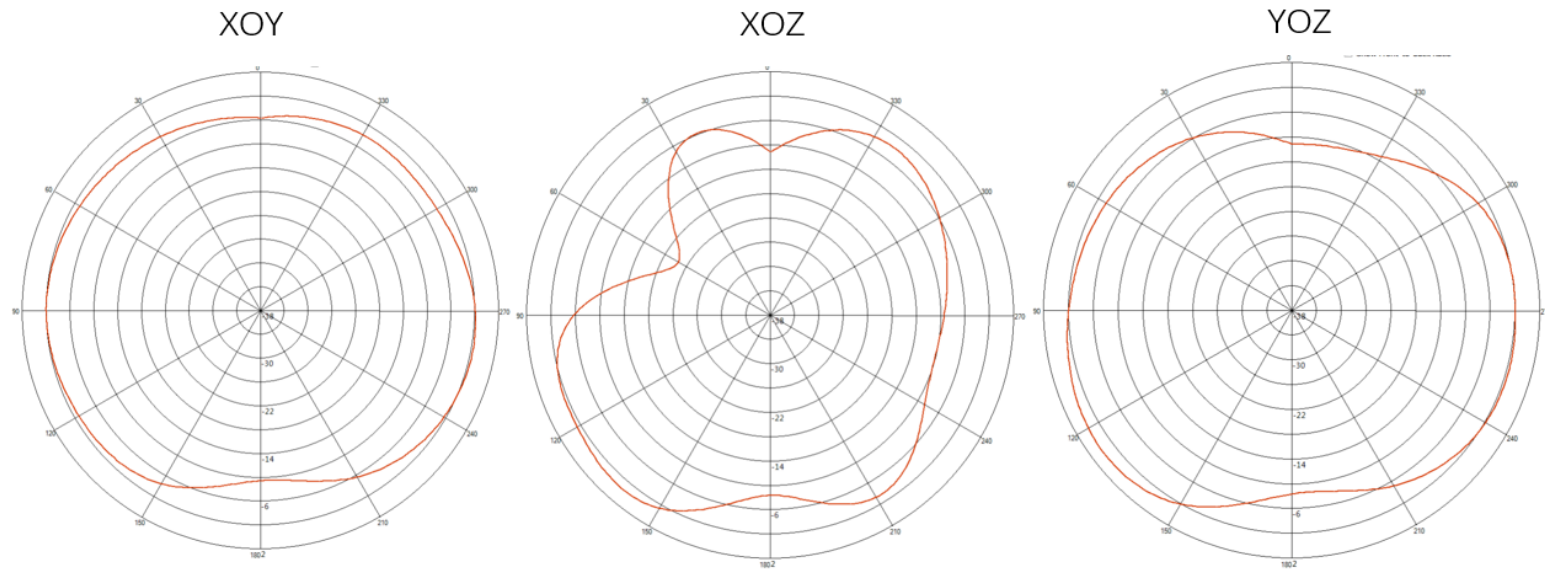
Coordinate System Reference: Antenna-RX



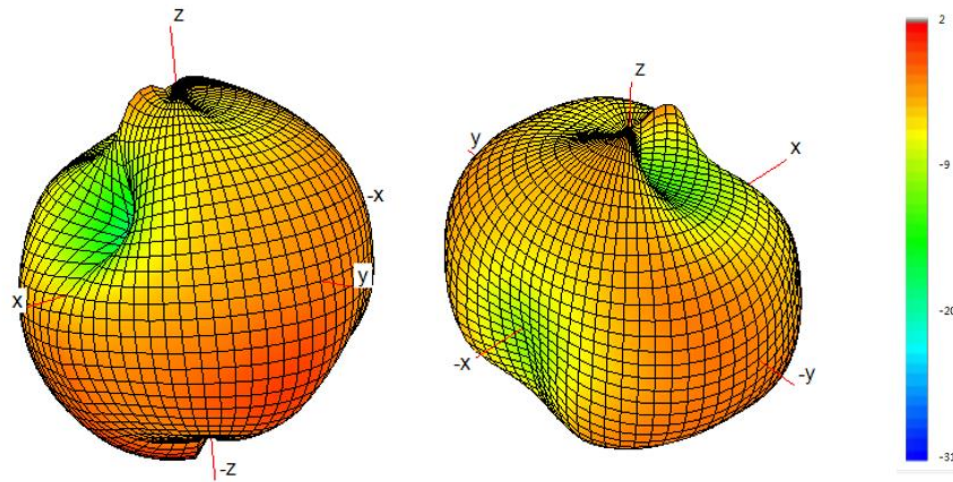
Coordinate System Reference: Antenna-RX



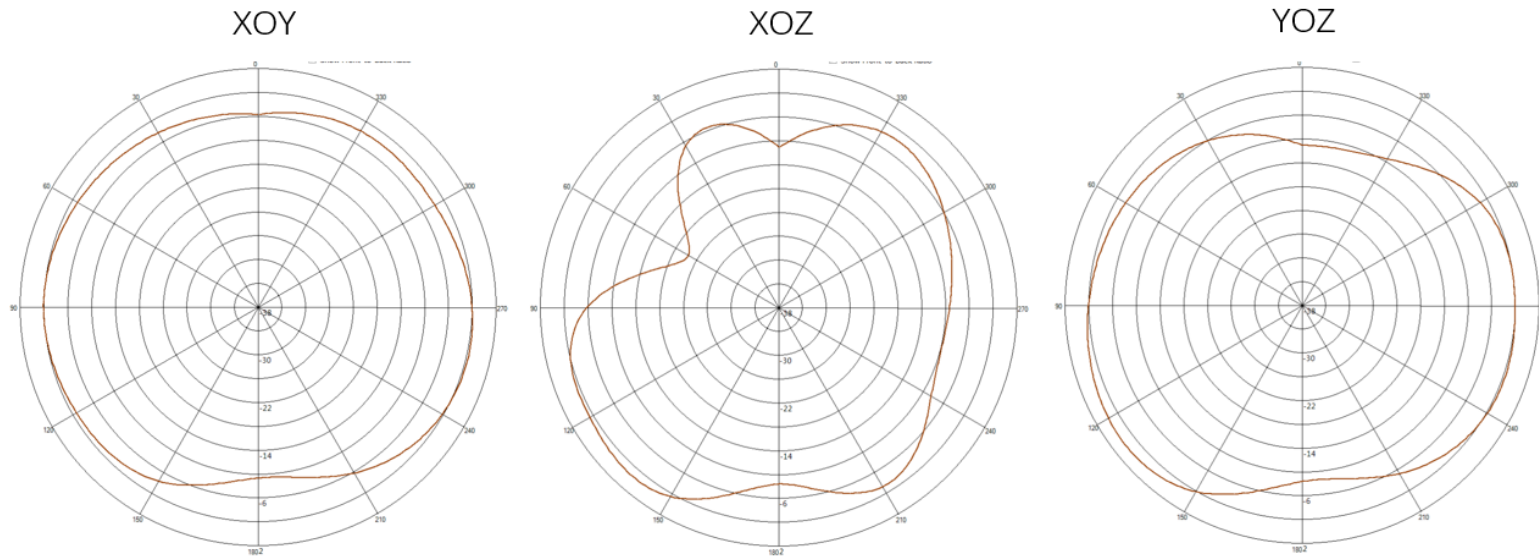
Radiation pattern: Antenna 2D Pattern at $f = 2402\text{MHz}$



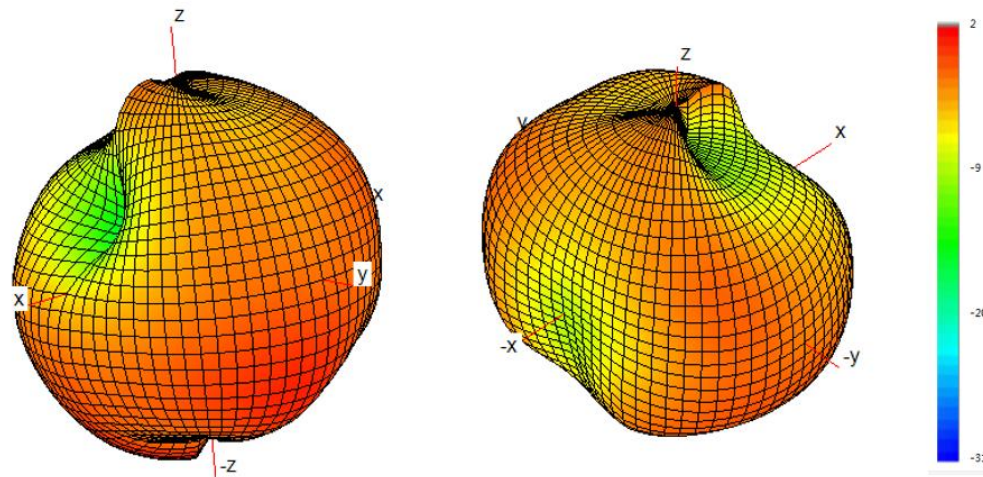
Radiation pattern: Antenna 3D Pattern at $f = 2404\text{MHz}$



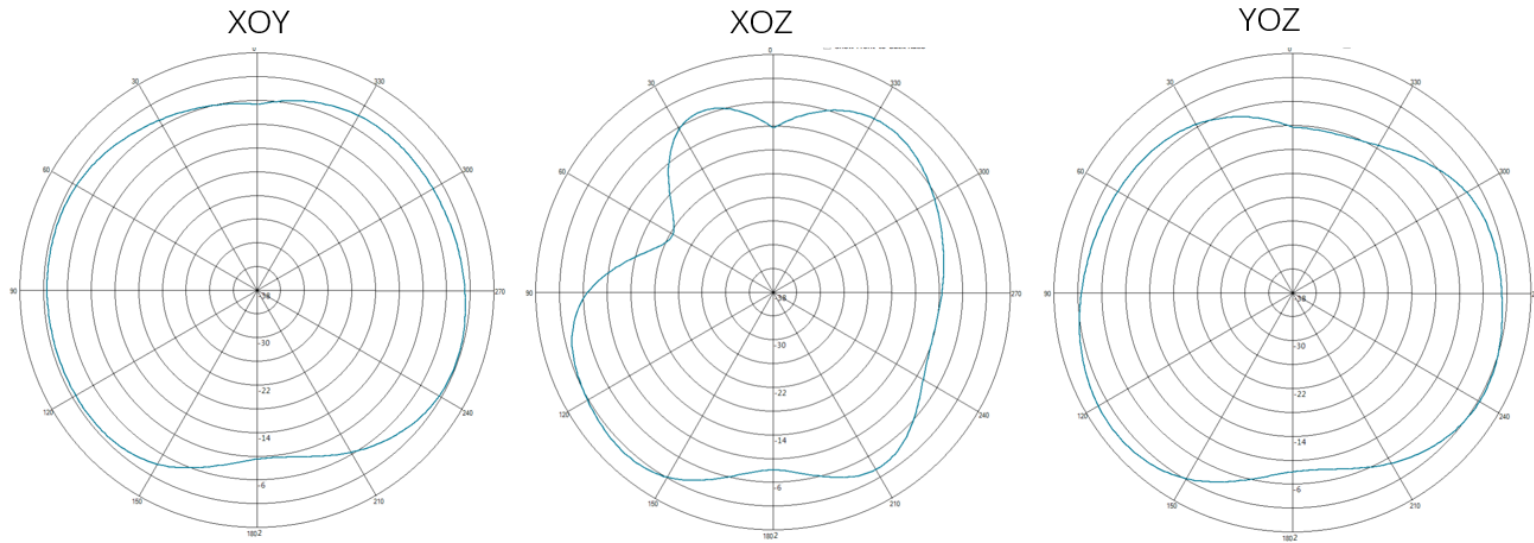
Radiation pattern: Antenna 2D Pattern at $f = 2404\text{MHz}$



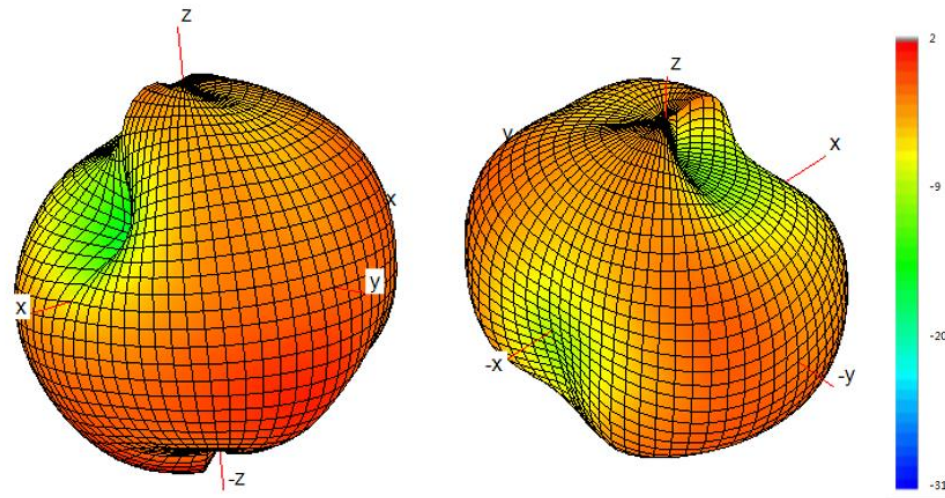
Radiation pattern: Antenna 3D Pattern at $f = 2440\text{MHz}$



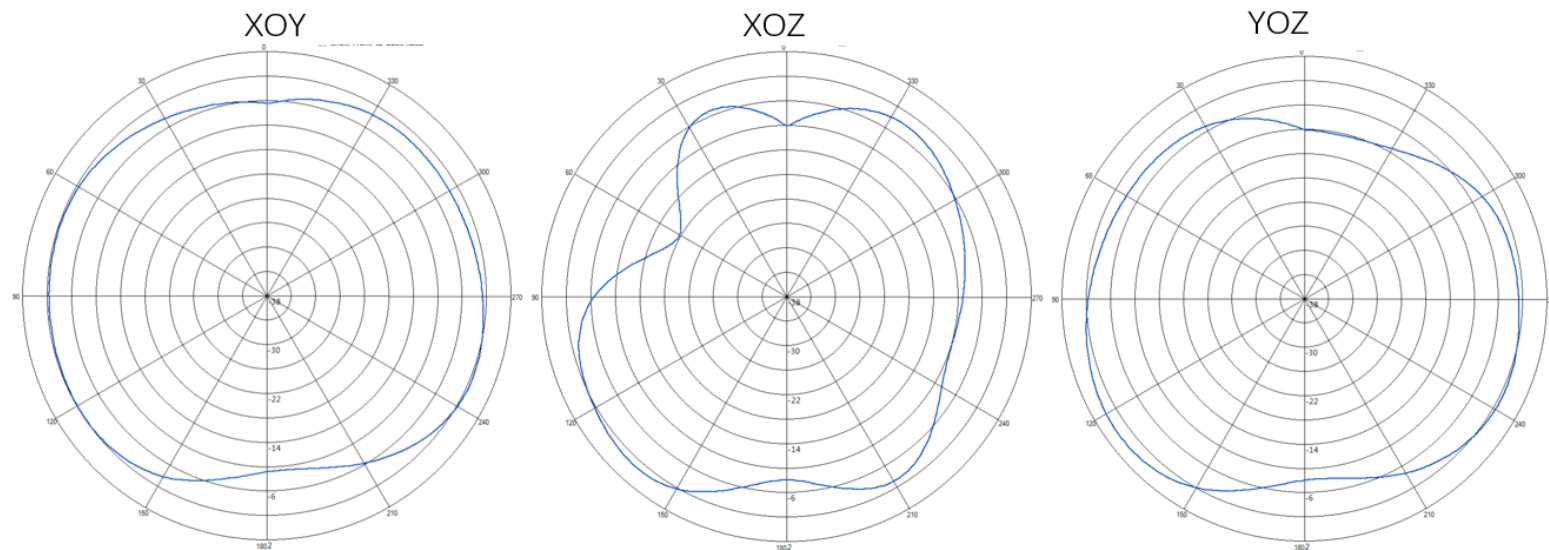
Radiation pattern: Antenna 2D Pattern at $f = 2440\text{MHz}$



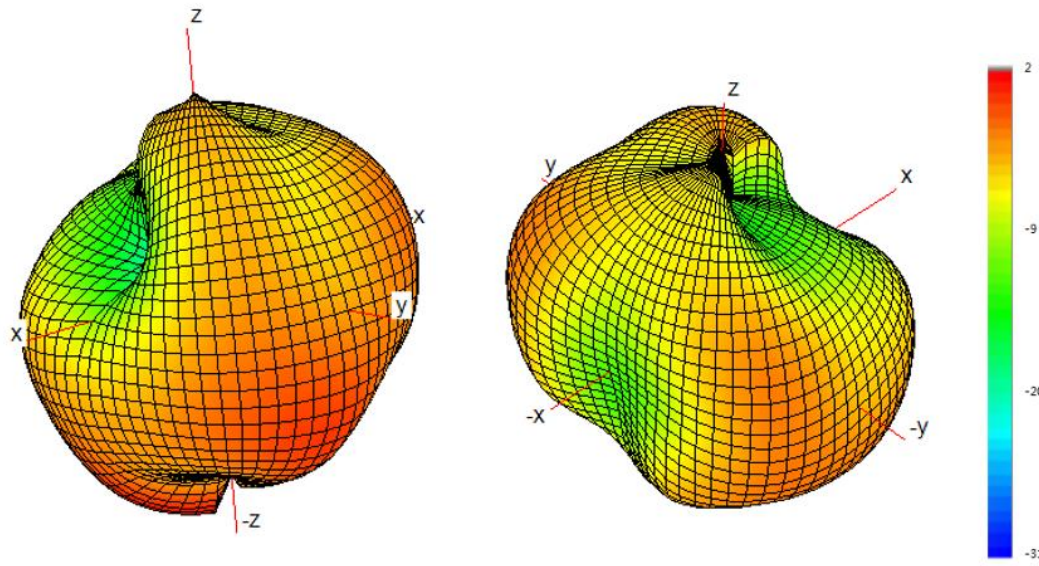
Radiation pattern: Antenna 3D Pattern at $f = 2441\text{MHz}$



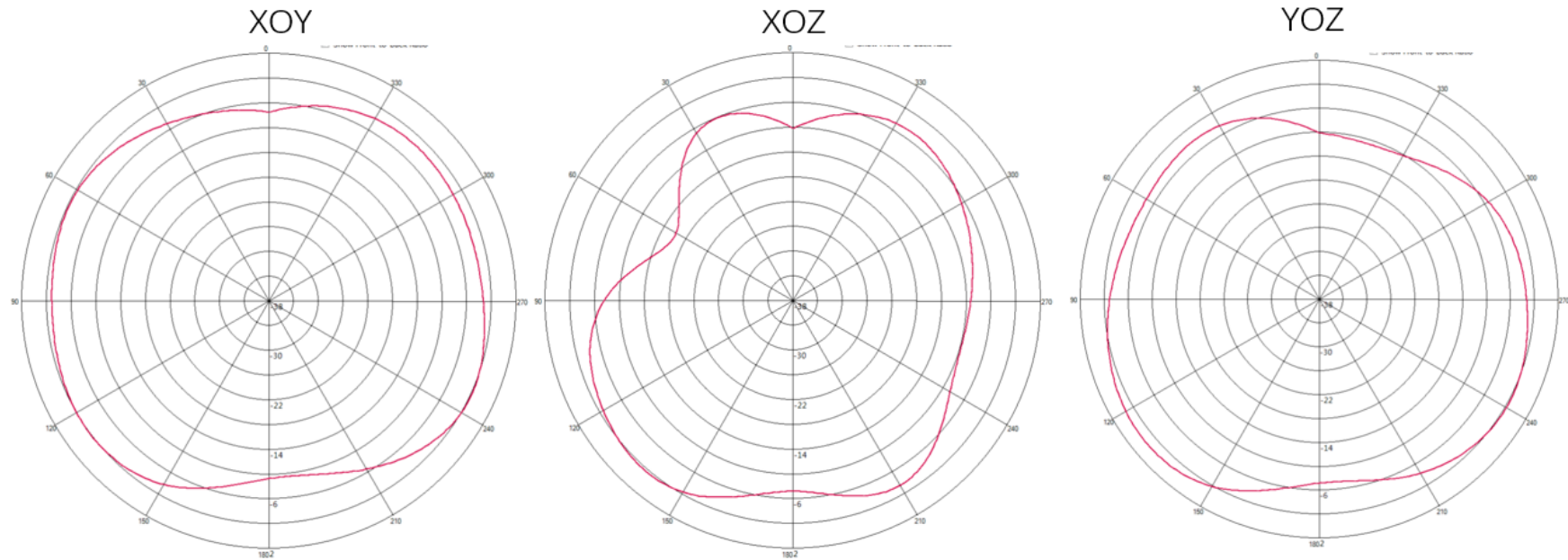
Radiation pattern: Antenna 2D Pattern at $f = 2441\text{MHz}$



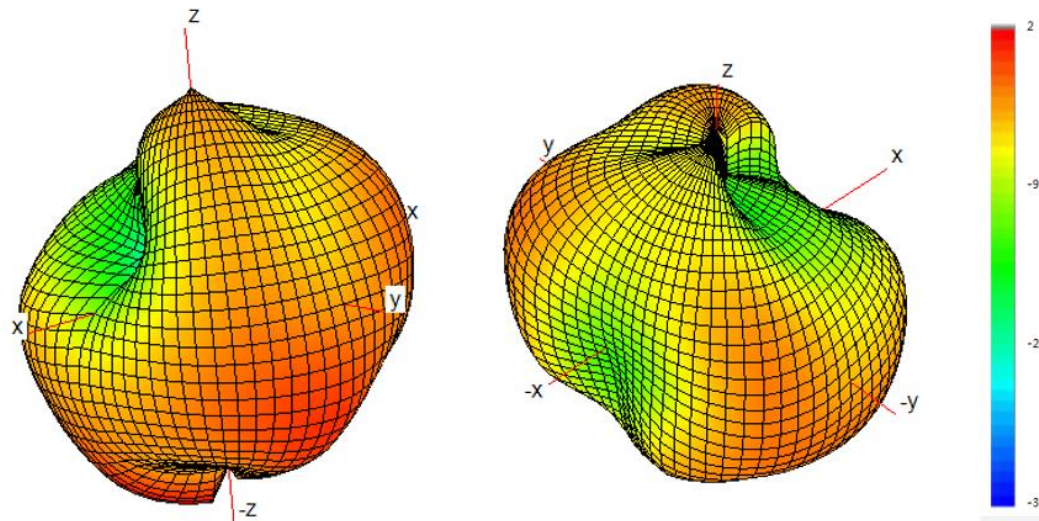
Radiation pattern: Antenna 3D Pattern at $f = 2472\text{MHz}$



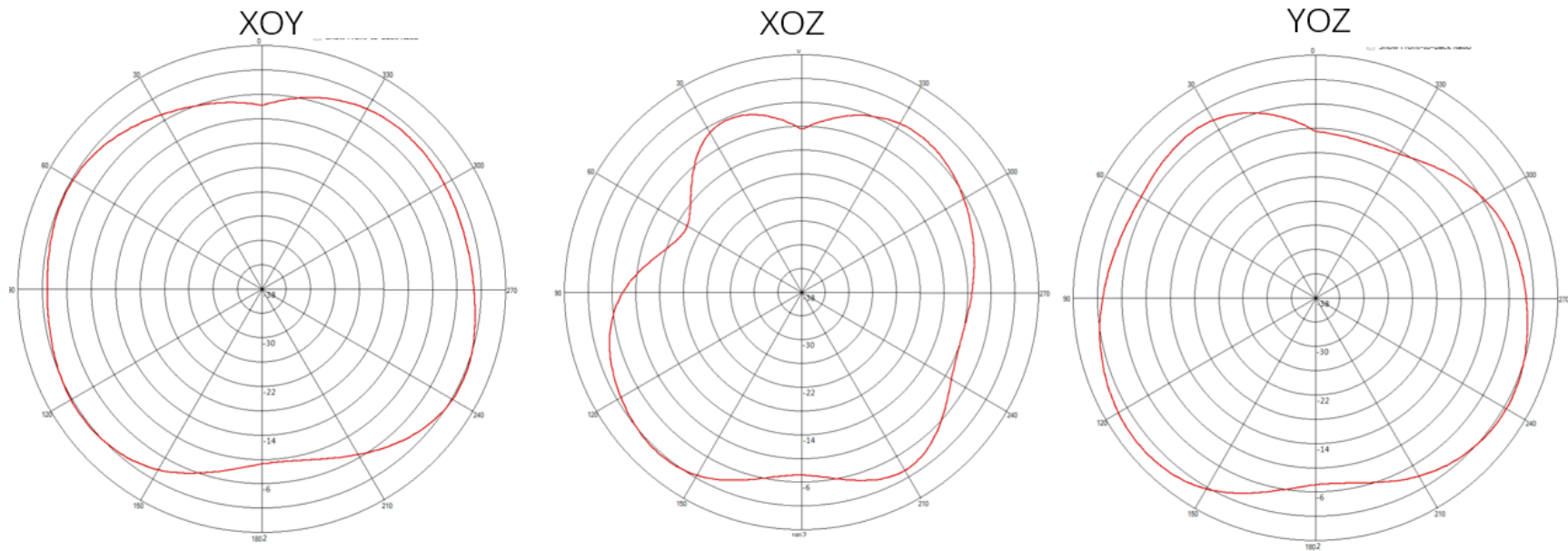
Radiation pattern: Antenna 2D Pattern at $f = 2472\text{MHz}$



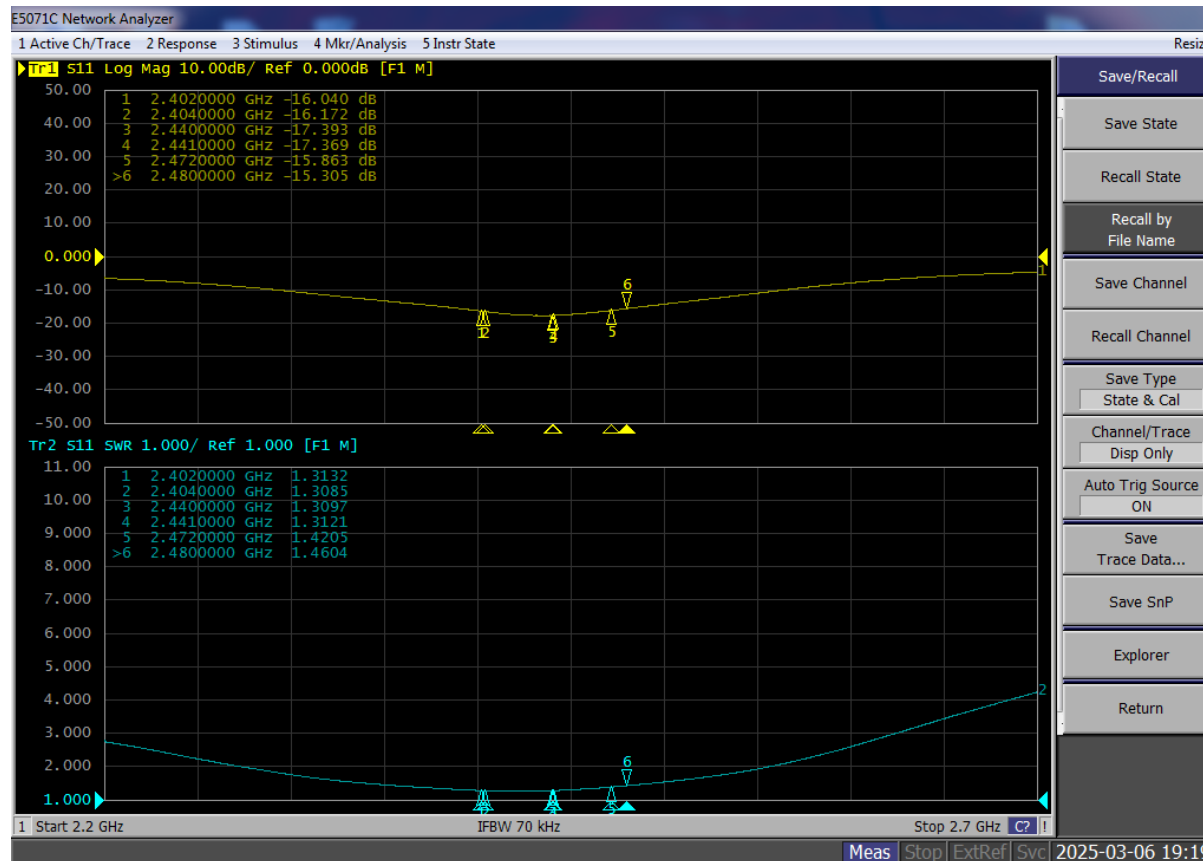
Radiation pattern: Antenna 3D Pattern at $f = 2480\text{MHz}$



Radiation pattern: Antenna 2D Pattern at $f = 2480\text{MHz}$



Rturn Loss: Antenna1



Measurements summary

Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2402.0	2404.0	2440.0	2441.0	2472.0	2480.0
Gain(dBi)	-0.27	-0.18	-0.16	-0.09	-0.14	-0.28
Efficiency(%)	34.33	34.59	37.22	36.93	33.81	33.18