

# Report for Broadcom

Antenna Type	PIFA antenna
Antenna Model	ANT2400-PCB420068-3
Antenna Gain	-0.12 dBi
Manufacturer	Broadcom Inc.

*By Alfred Grau*

## Tested Products.

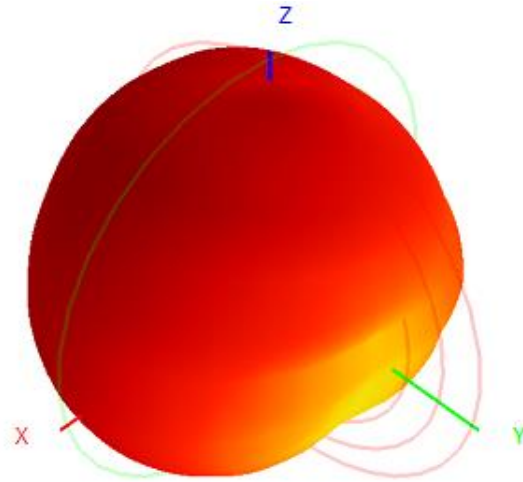
- Antenna 1: PIFA antenna.
  - Frequency =2402MHz
  - Frequency =2404MHz
  - Frequency =2440MHz
  - Frequency =2441MHz
  - Frequency =2472MHz
  - Frequency =2480MHz

# Coordinate System Reference: Antenna-RX

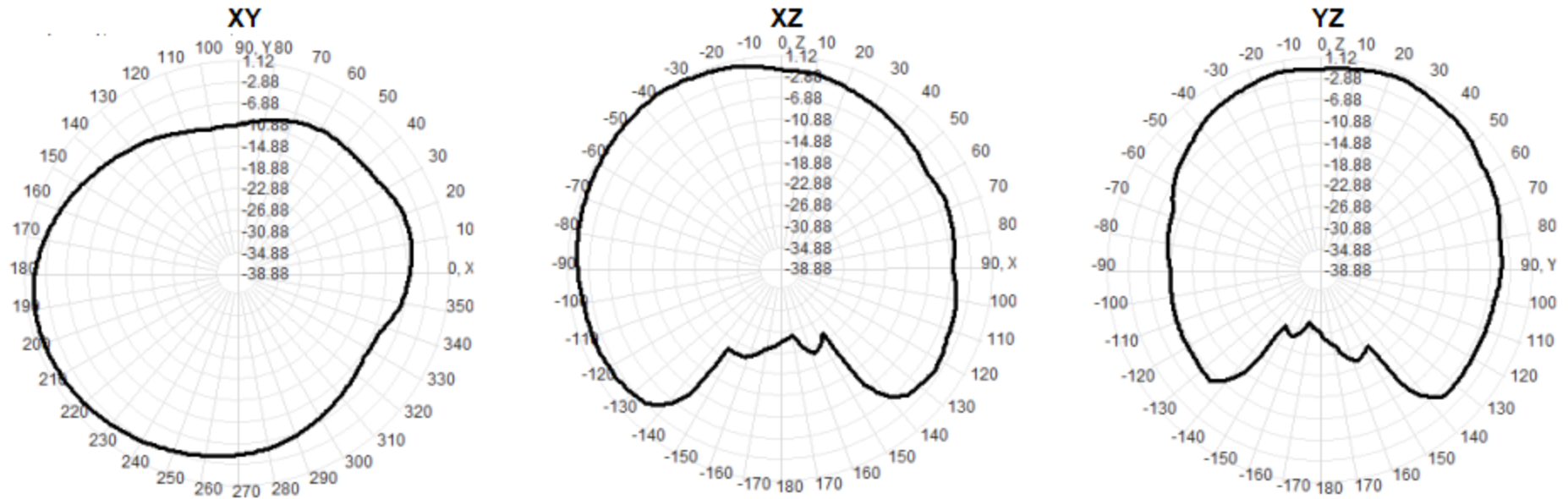


# Radiation pattern: Antenna 3D Pattern at $f = 2402\text{MHz}$

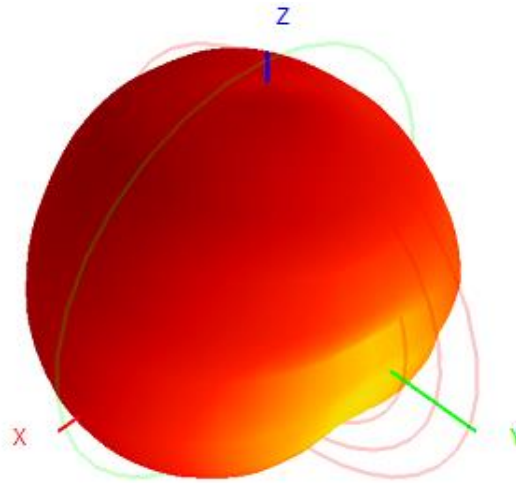
## Coordinate System Reference: Antenna-RX



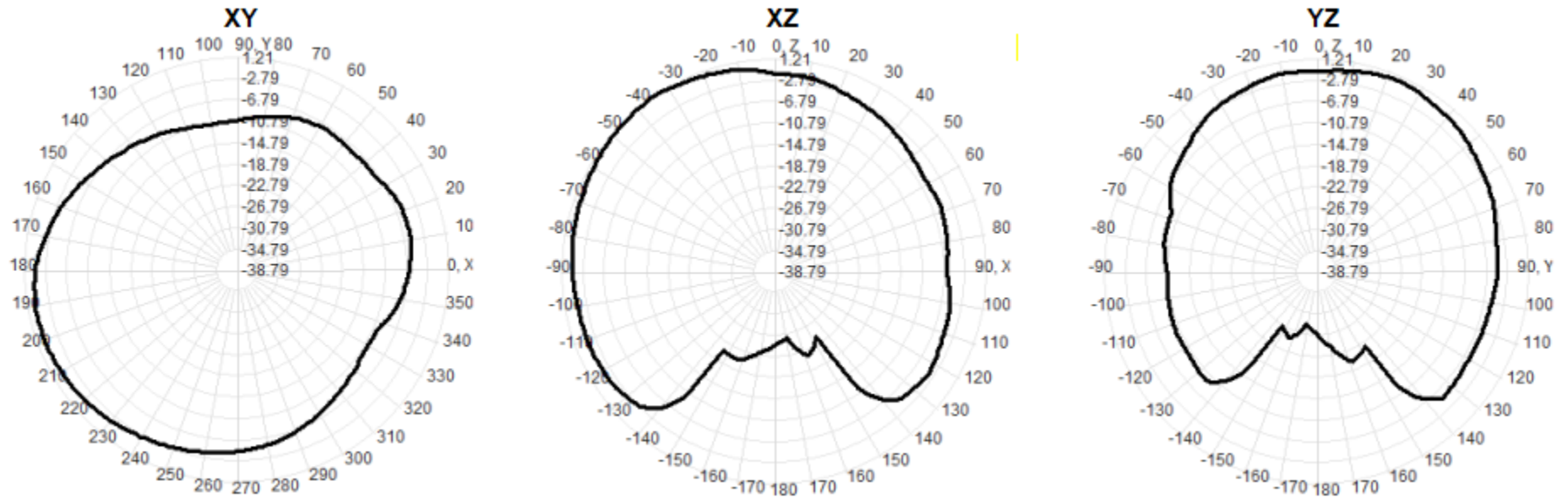
# Radiation pattern: Antenna 2D Pattern at $f = 2402\text{MHz}$



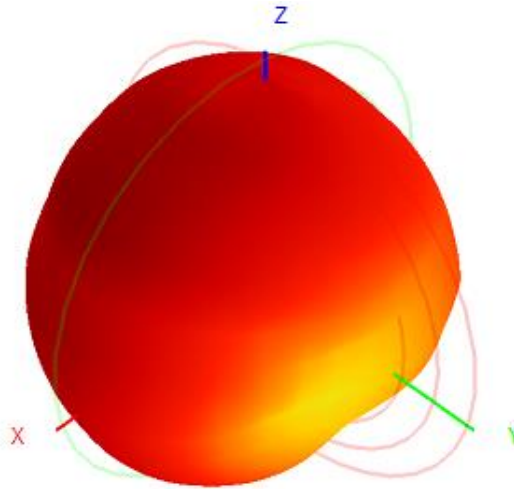
# Radiation pattern: Antenna 3D Pattern at $f = 2404\text{MHz}$



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

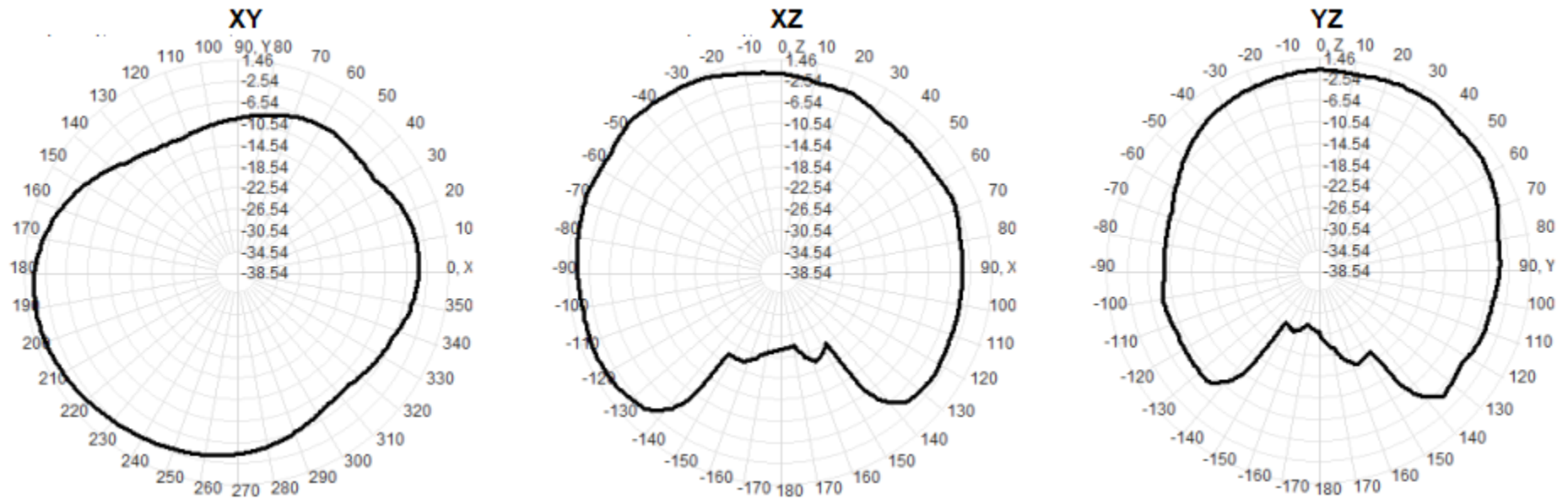


# Radiation pattern: Antenna 3D Pattern at $f = 2440\text{MHz}$





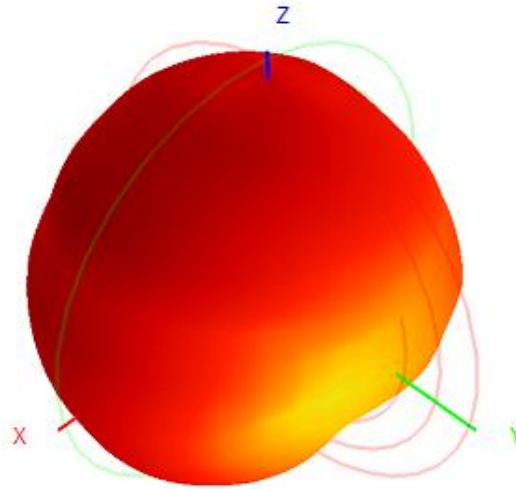
# Radiation pattern: Antenna 2D Pattern at $f = 2440\text{MHz}$



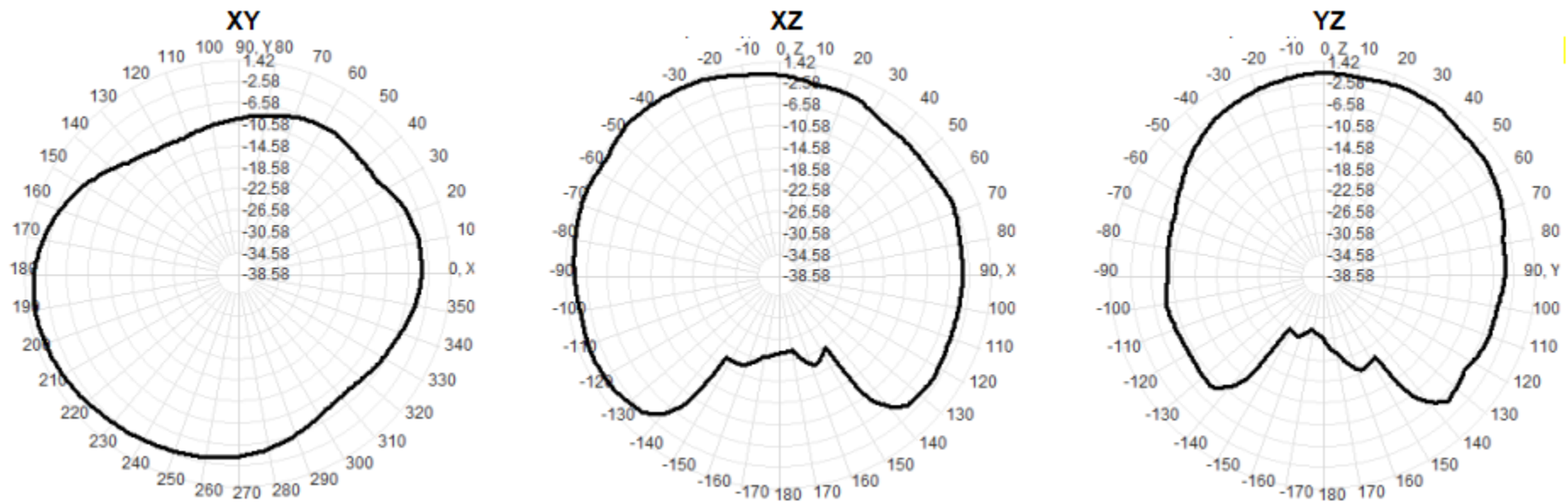
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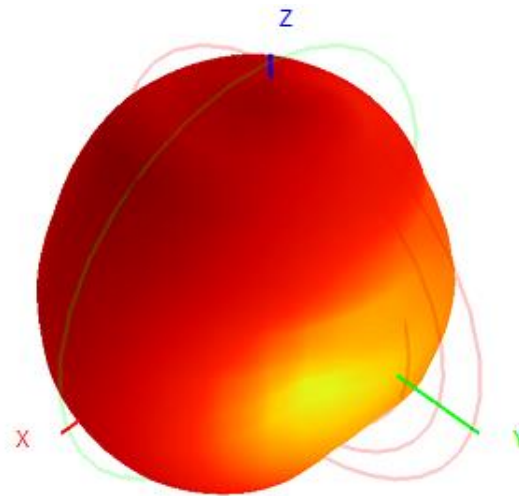
## Radiation pattern: Antenna 3D Pattern at $f = 2441\text{MHz}$



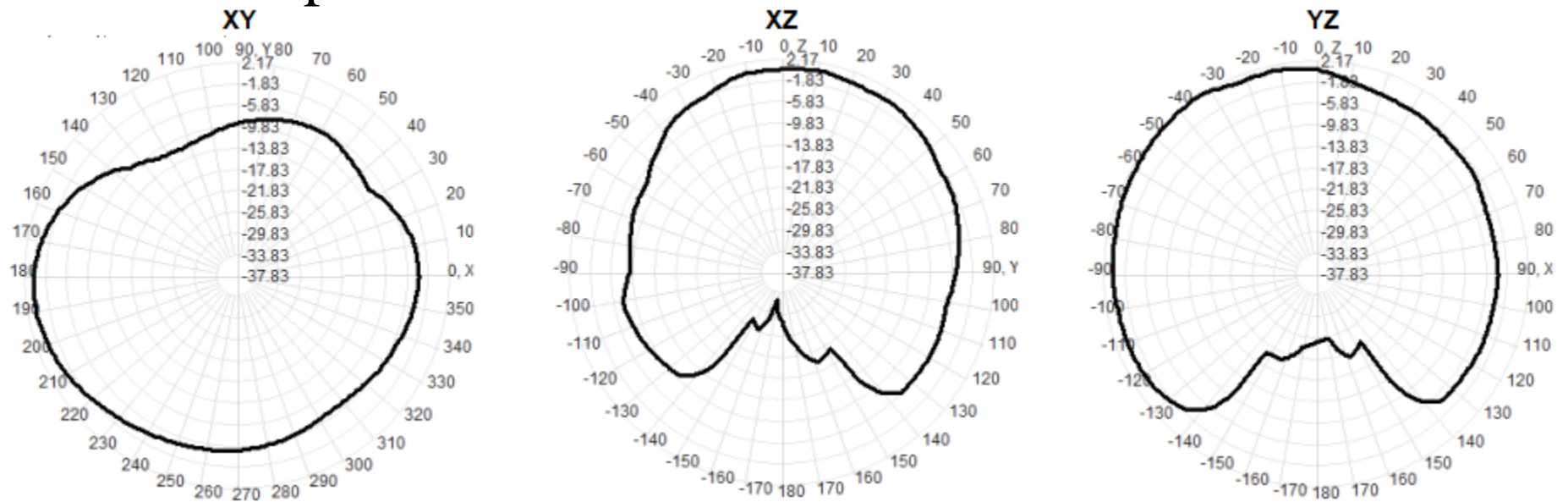
## Radiation pattern: Antenna 2D Pattern at $f = 2441\text{MHz}$



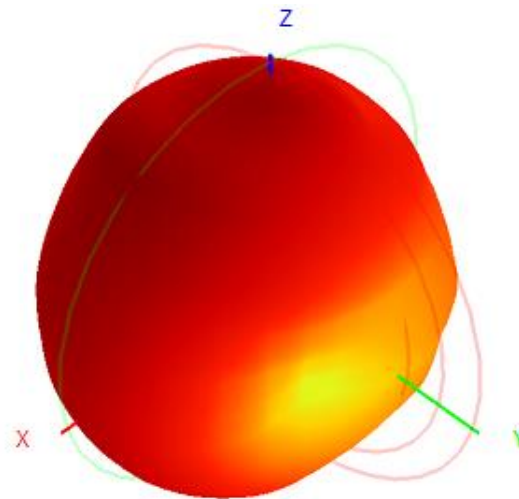
## Radiation pattern: Antenna 3D Pattern at $f = 2472\text{MHz}$



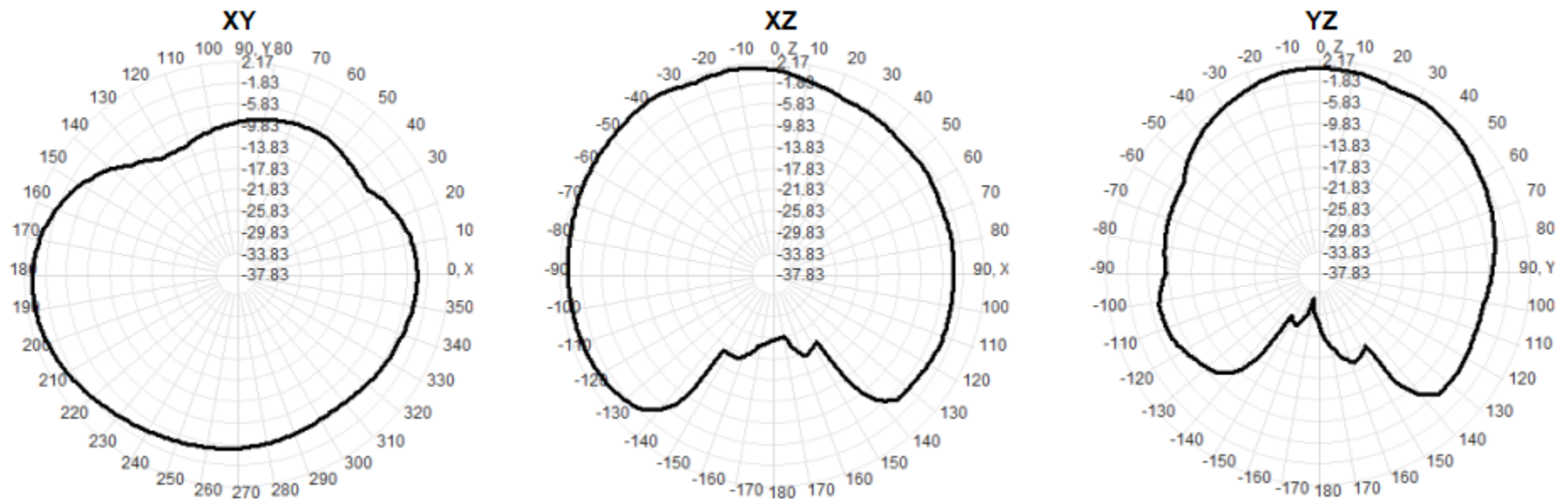
## Radiation pattern: Antenna 2D Pattern at $f = 2472\text{MHz}$



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

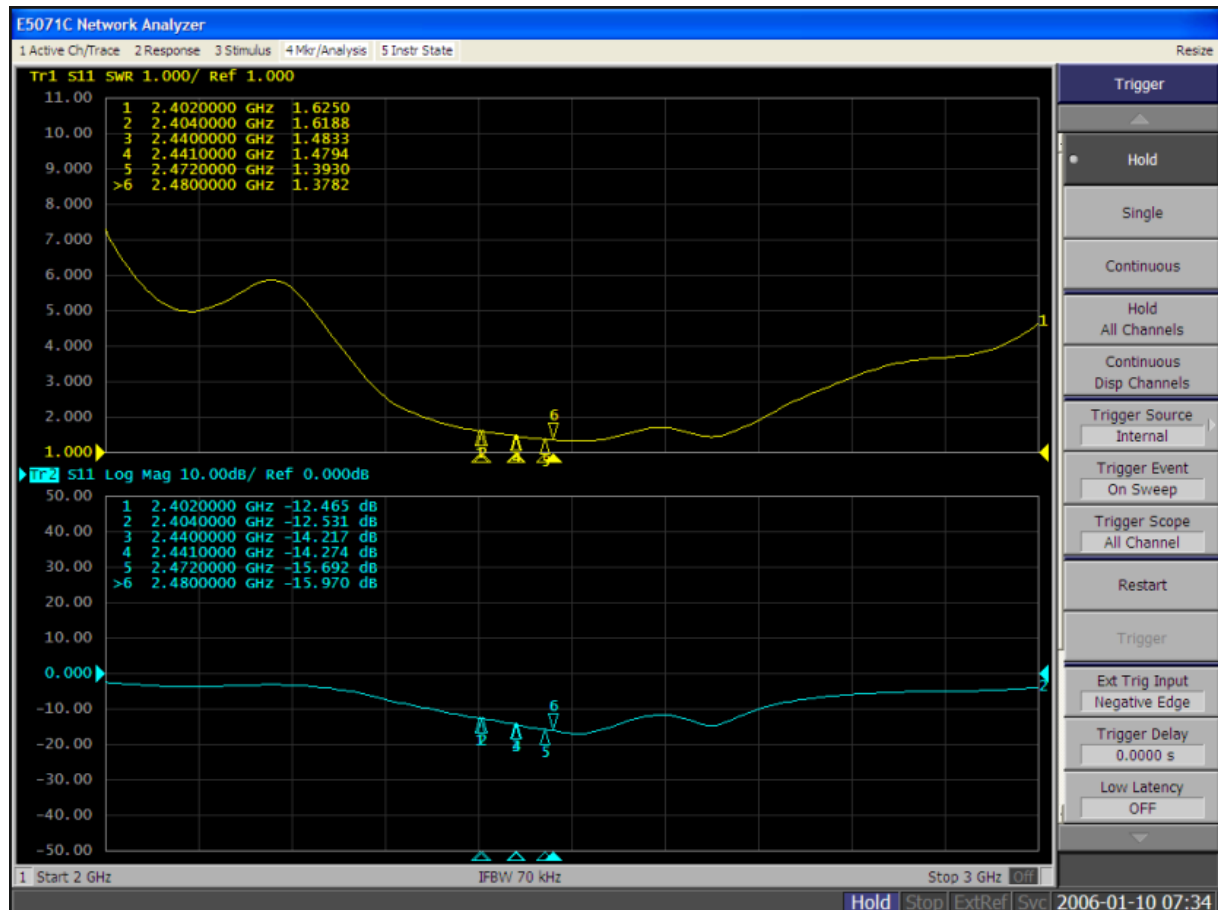


## Radiation pattern: Antenna 2D Pattern at $f = 2480\text{MHz}$





Return Loss: Antenna1



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# 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)	-0.35	-0.24	-0.20	-0.17	-0.12	-0.13
Efficiency (%)	35.86	35.51	36.45	37.36	38.07	38.92