

Report for Broadcom

Godox Photo Equipment Co.,Ltd.

4th Floor of Building 1, 1st to 4th Floor of Building 2, 4th Floor of Building 3, 1st to 4th Floor of Building 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103, China

Tested Products.

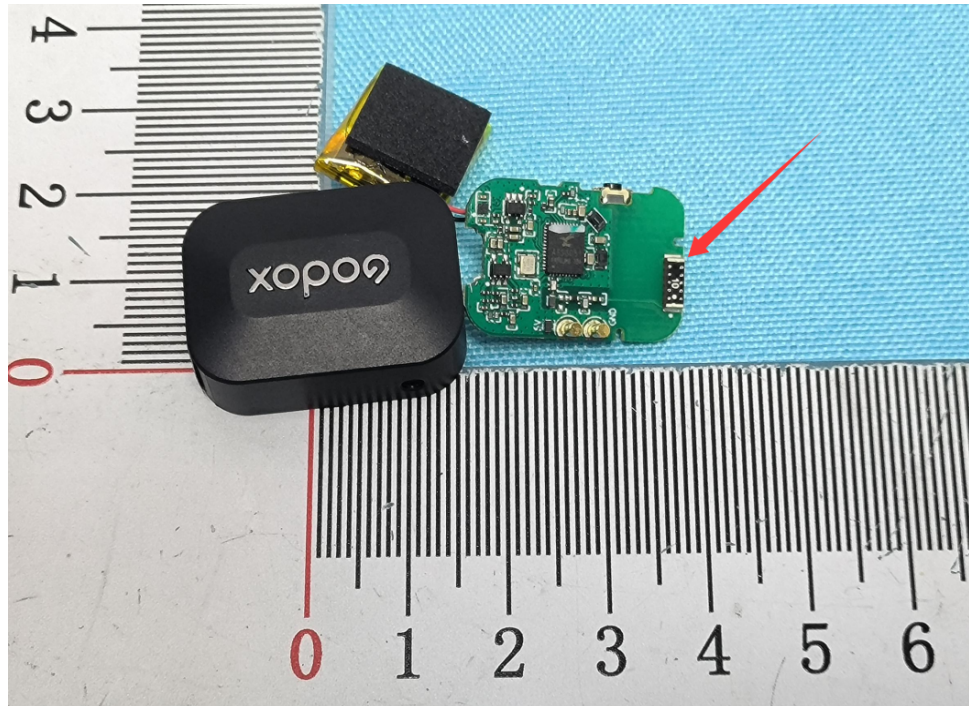
- Antenna 1: Ceramic antenna.

Model: Alink

- Frequency =2402MHz
- Frequency =2404MHz
- Frequency =2440MHz
- Frequency =2441MHz
- Frequency =2472MHz
- Frequency =2480MHz

Coordinate System Reference: Antenna-TX

WEC TX天线 PCB/5.0*2.0*1.0 mm



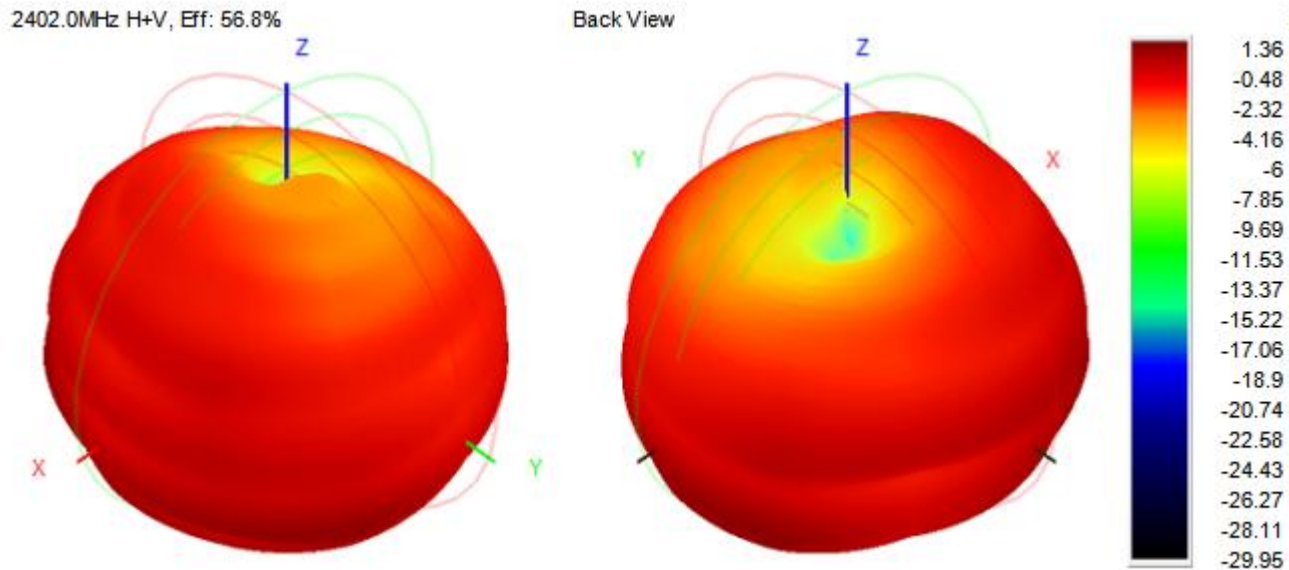
Manufacturer:GODOX Photo Equipment Co.,Ltd.

Address:4th Floor of Building 1, 1st to 4th Floor of Building 2, 4th Floor of Building 3, 1st to 4th Floor of Building 4, Yaochuan Industrial Zone, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen 518103, China

Godox Photo Equipment Co.,Ltd.

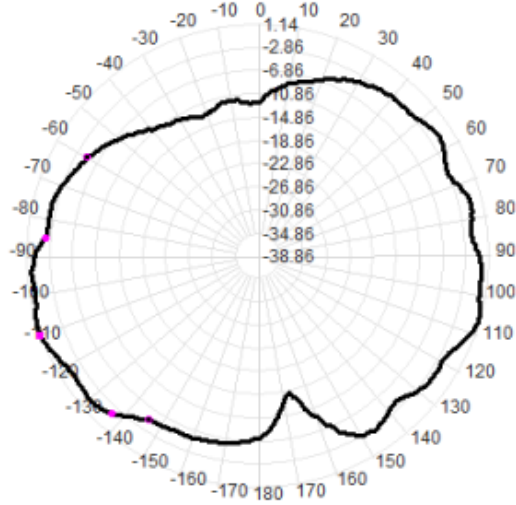
Radiation pattern: Antenna-TX 3D Pattern at $f = 2402\text{MHz}$

Coordinate System Reference: Antenna-TX

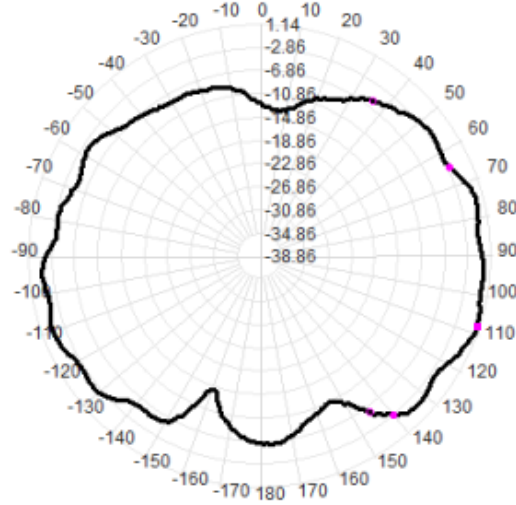


Radiation pattern: Antenna-TX 2D Pattern at $f = 2402\text{MHz}$

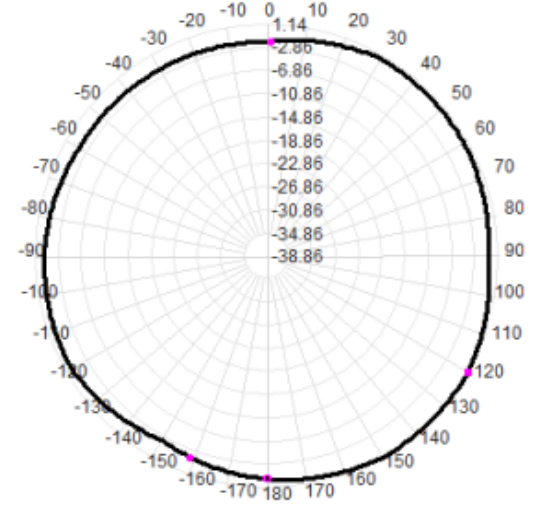
2402.0MHz Total(E1-XZ), Max= 1.13dBi



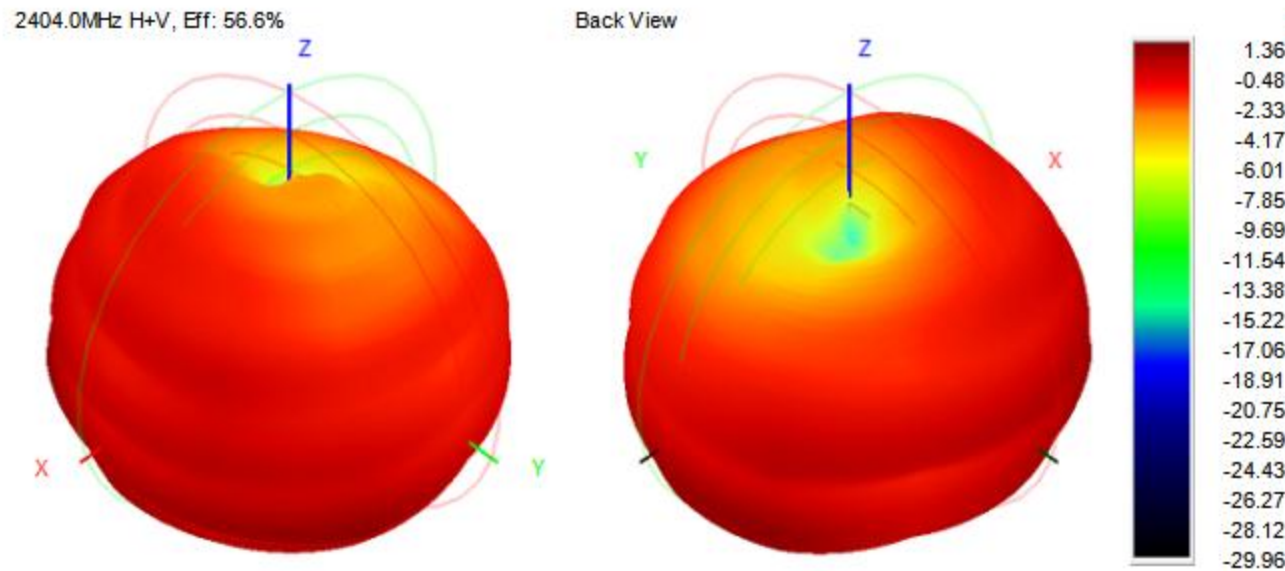
2402.0MHz Total(E2-YZ), Max= 0.37dBi



Total(H-XY), Max= 1.14dBi, CirD=3.58

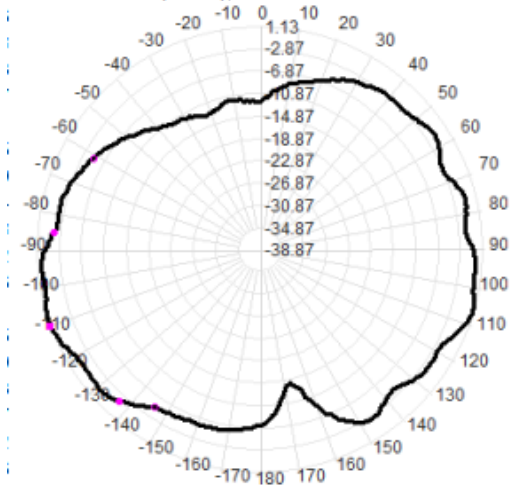


Radiation pattern: Antenna-TX 3D Pattern at $f = 2404\text{MHz}$

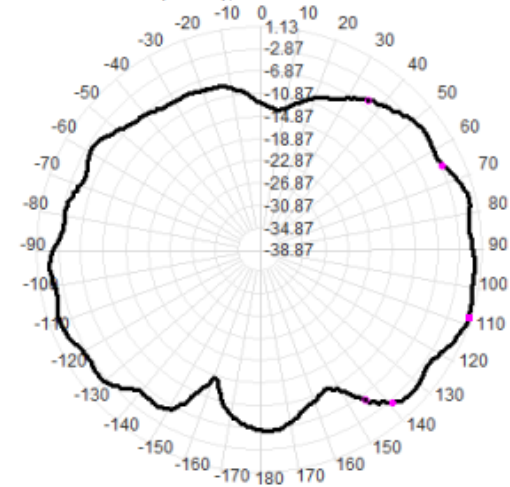


Radiation pattern: Antenna-TX 2D Pattern at $f = 2404\text{MHz}$

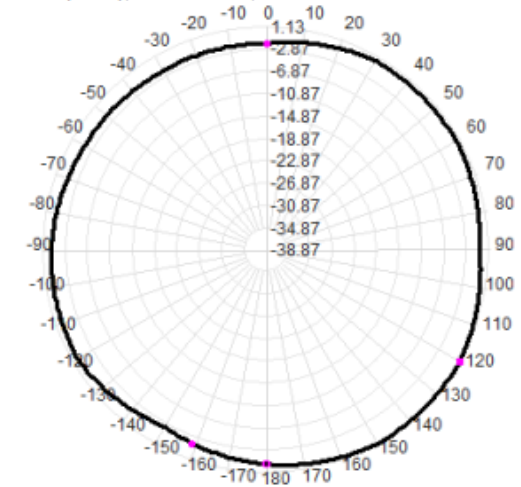
2404.0MHz Total(E1-XZ), Max= 1.10dBi



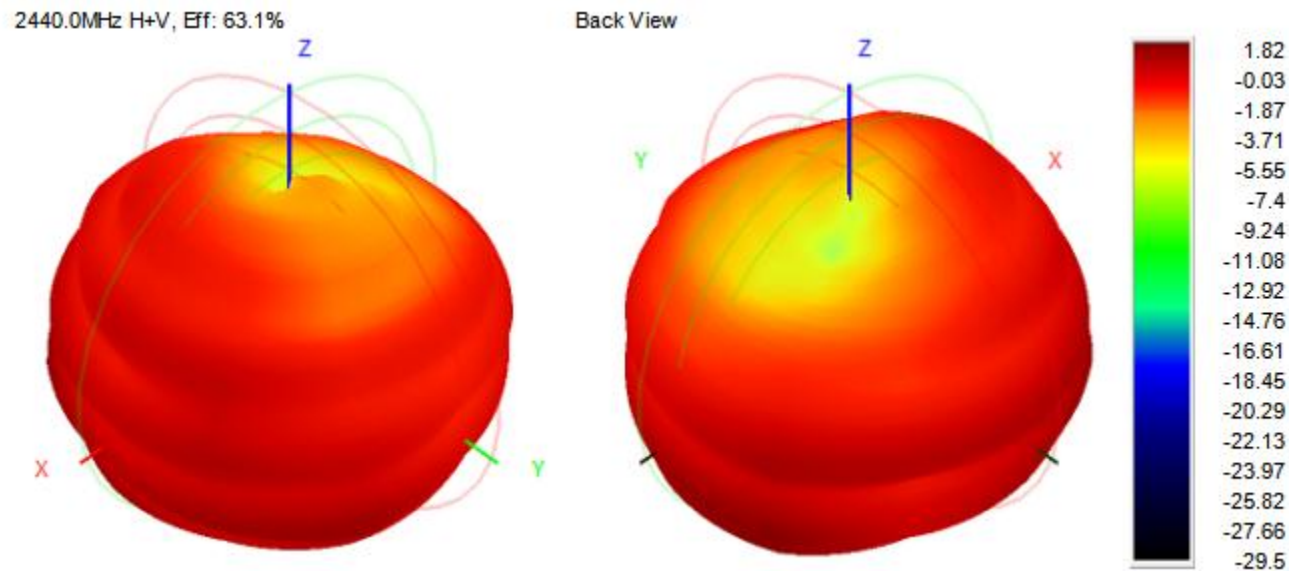
2404.0MHz Total(E2-YZ), Max= 0.37dBi



Total(H-XY), Max= 1.13dBi, CirD=3.61

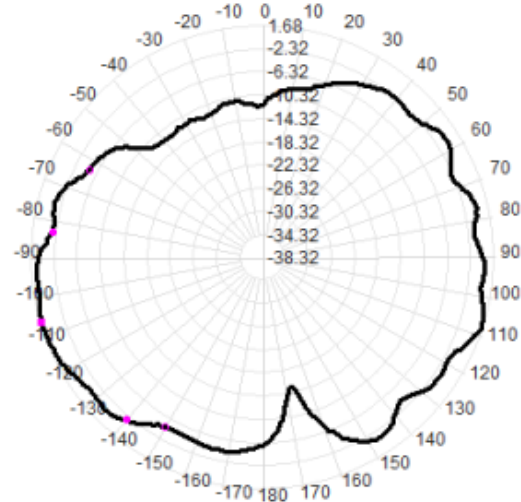


Radiation pattern: Antenna-TX 3D Pattern at $f = 2440\text{MHz}$

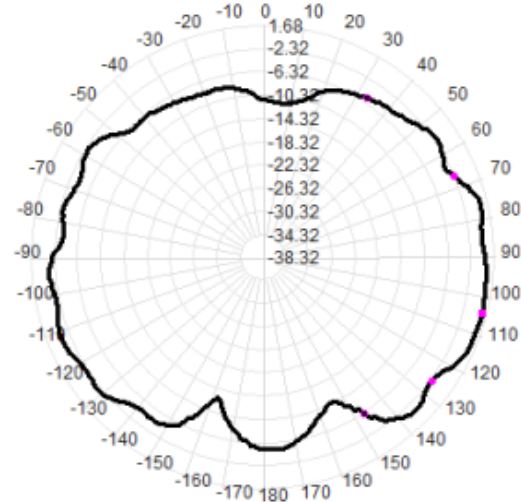


Radiation pattern: Antenna-TX 2D Pattern at $f = 2440\text{MHz}$

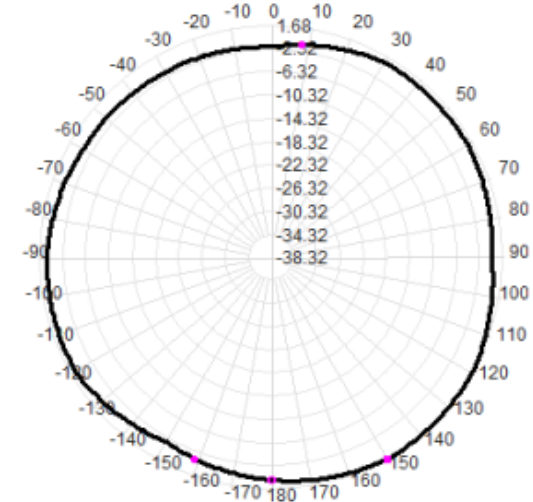
2440.0MHz Total(E1-XZ), Max= 1.25dBi



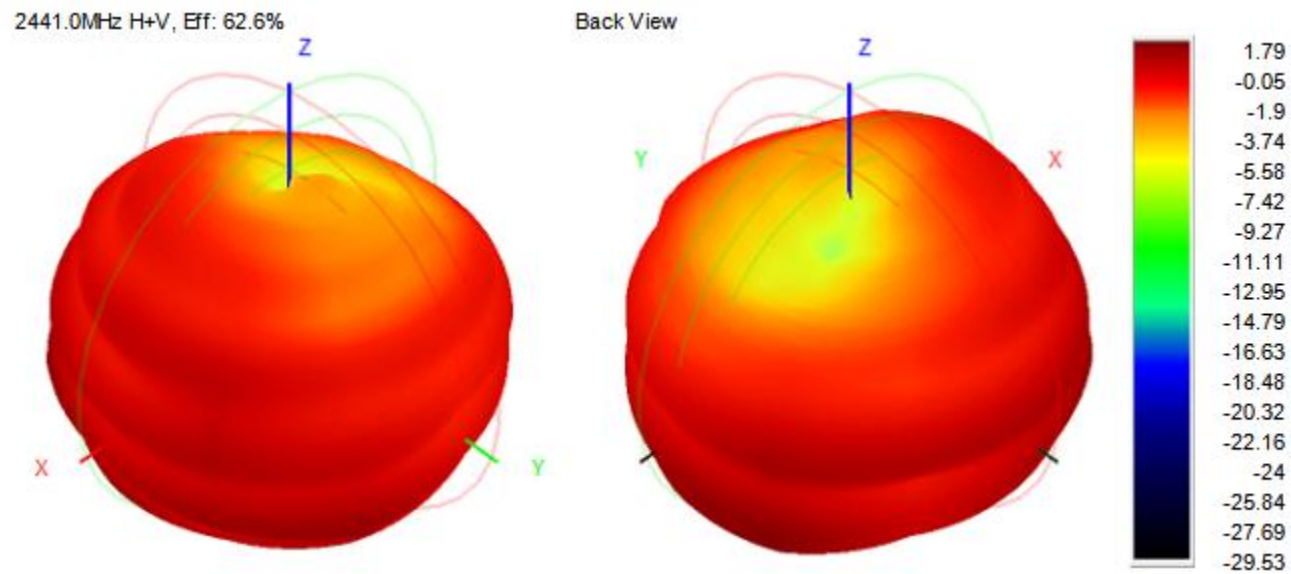
2440.0MHz Total(E2-YZ), Max= 0.57dBi



Total(H-XY), Max= 1.68dBi, CirD=3.72

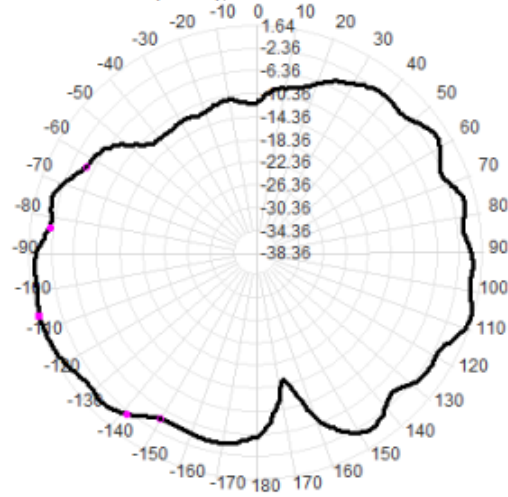


Radiation pattern: Antenna-TX 3D Pattern at $f = 2441\text{MHz}$

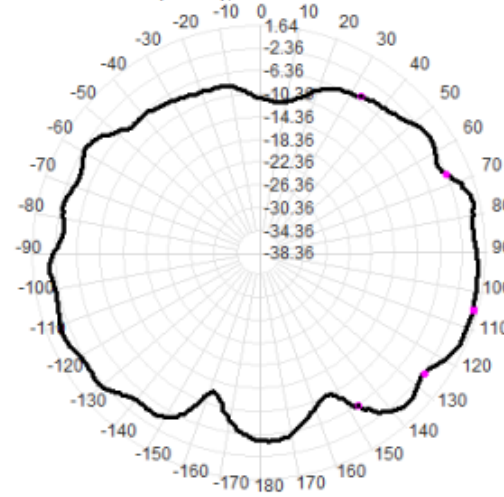


Radiation pattern: Antenna-TX 2D Pattern at $f = 2441\text{MHz}$

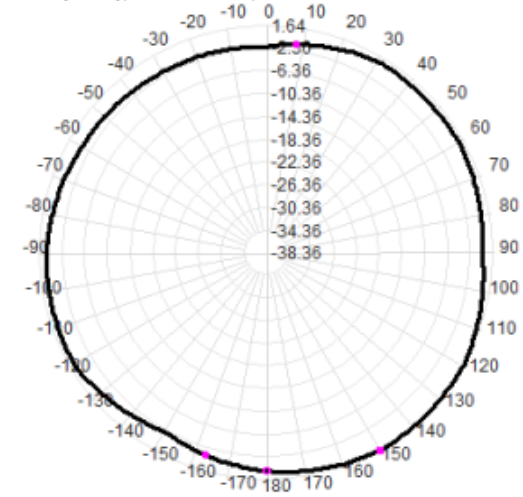
2441.0MHz Total(E1-XZ), Max= 1.22dBi



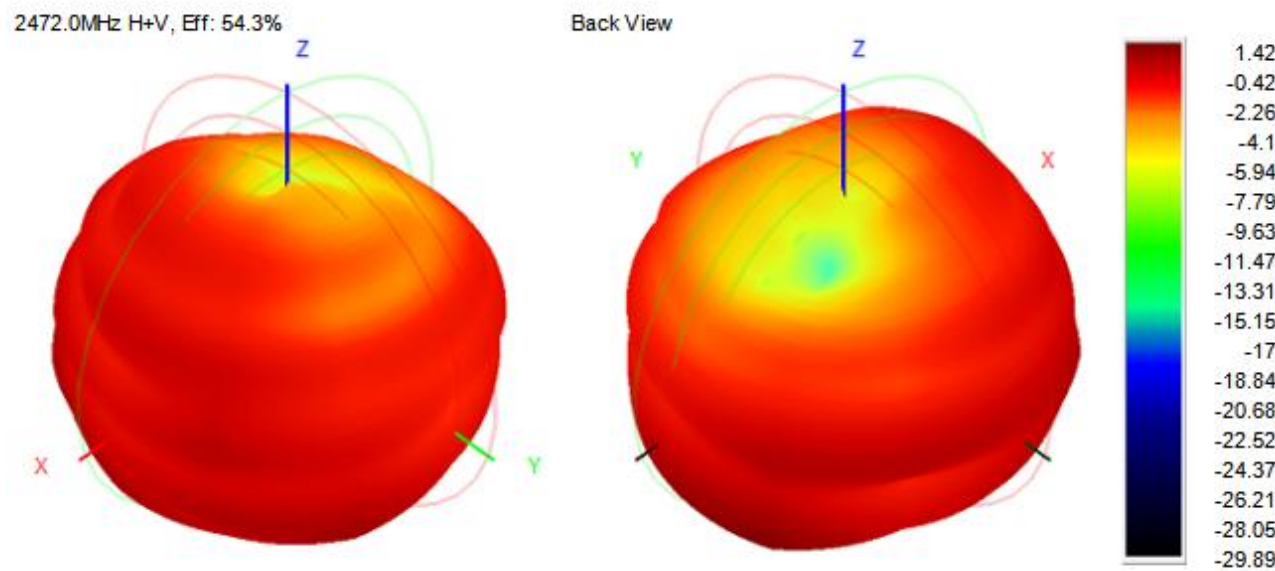
2441.0MHz Total(E2-YZ), Max= 0.53dBi



Total(H-XY), Max= 1.64dBi, CirD=3.96

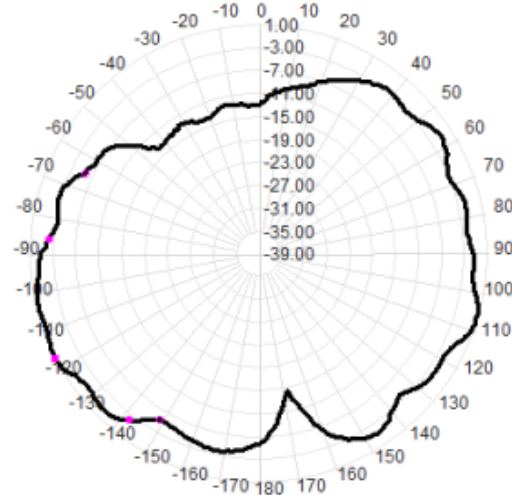


Radiation pattern: Antenna-TX 3D Pattern at $f = 2472\text{MHz}$

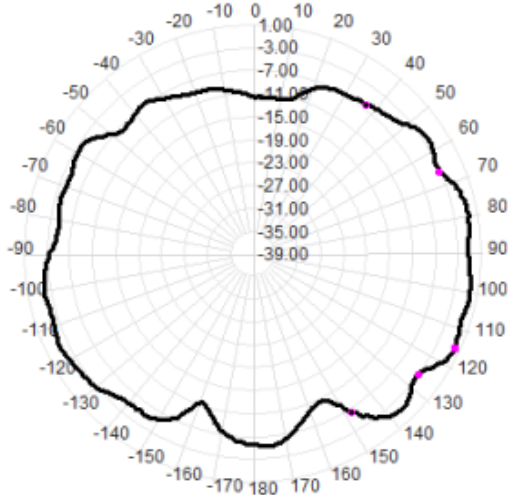


Radiation pattern: Antenna-TX 2D Pattern at $f = 2472\text{MHz}$

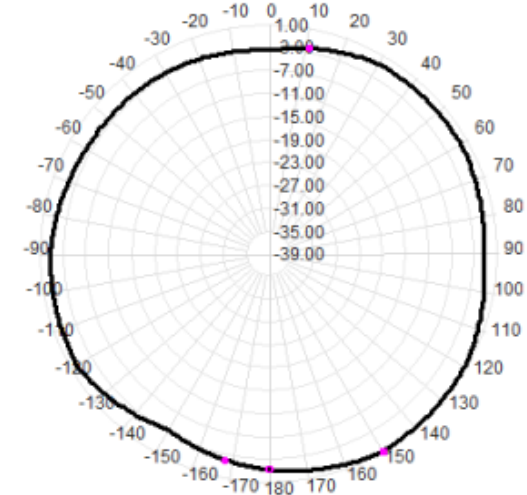
2472.0MHz Total(E1-XZ), Max= 1.00dBi



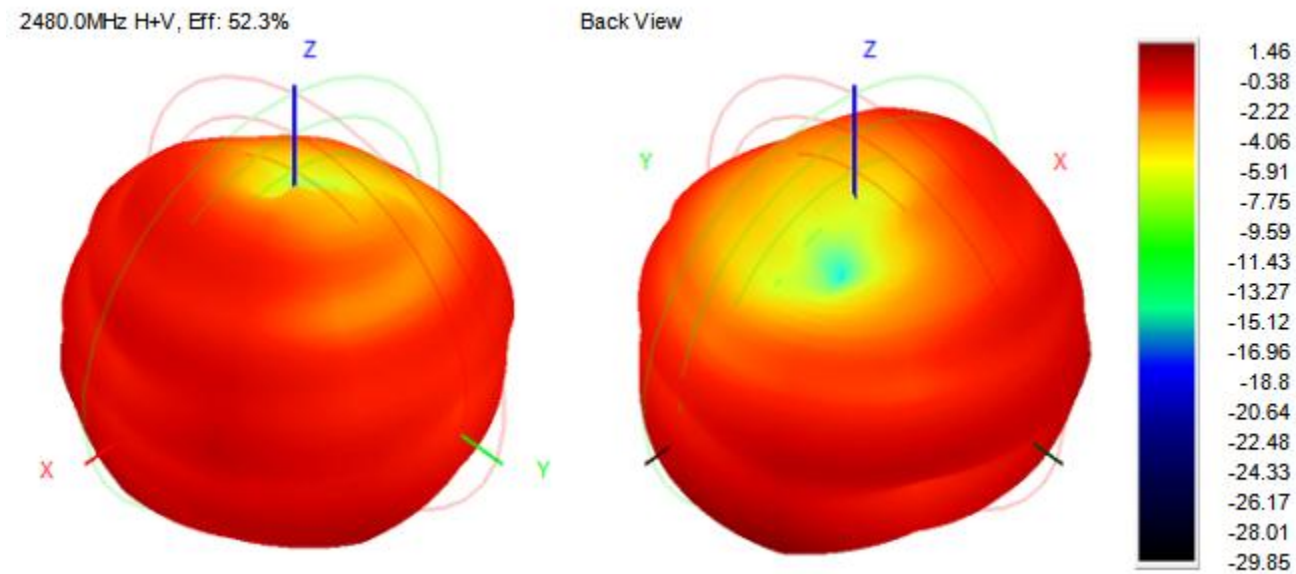
2472.0MHz Total(E2-YZ), Max= -0.29dBi



Total(H-XY), Max= 0.63dBi, CirD=4.38

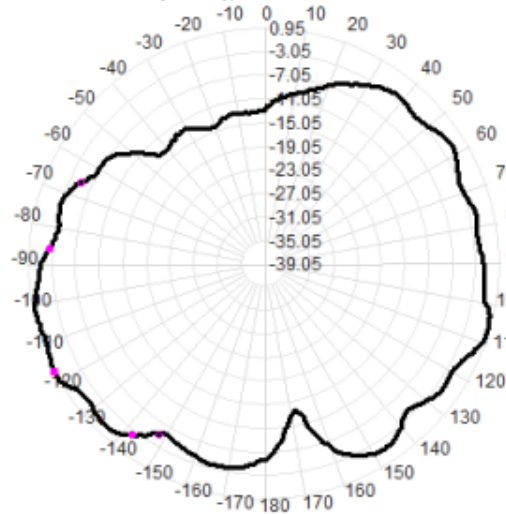


Radiation pattern: Antenna-TX 3D Pattern at $f = 2480\text{MHz}$

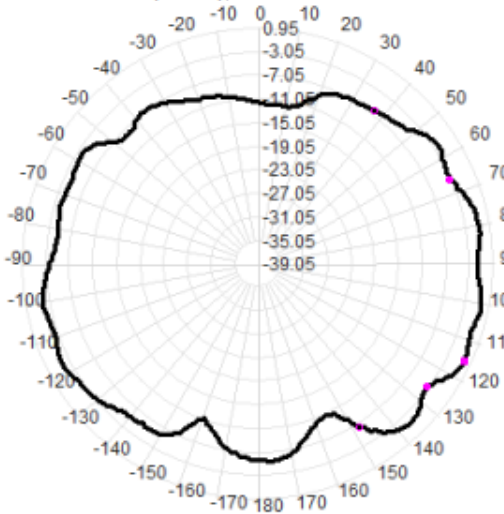


Radiation pattern: Antenna-TX 2D Pattern at $f = 2480\text{MHz}$

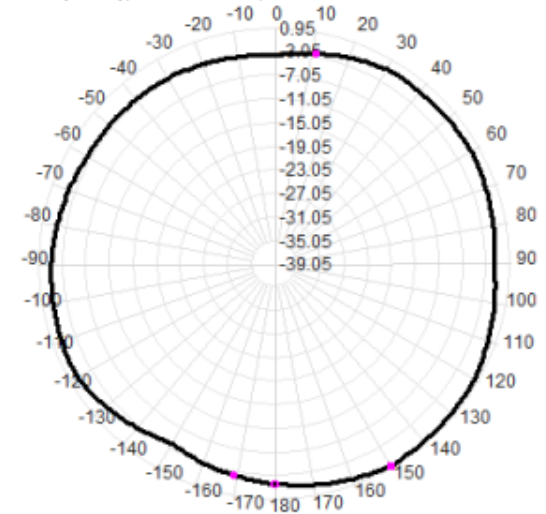
2480.0MHz Total(E1-XZ), Max= 0.95dBi



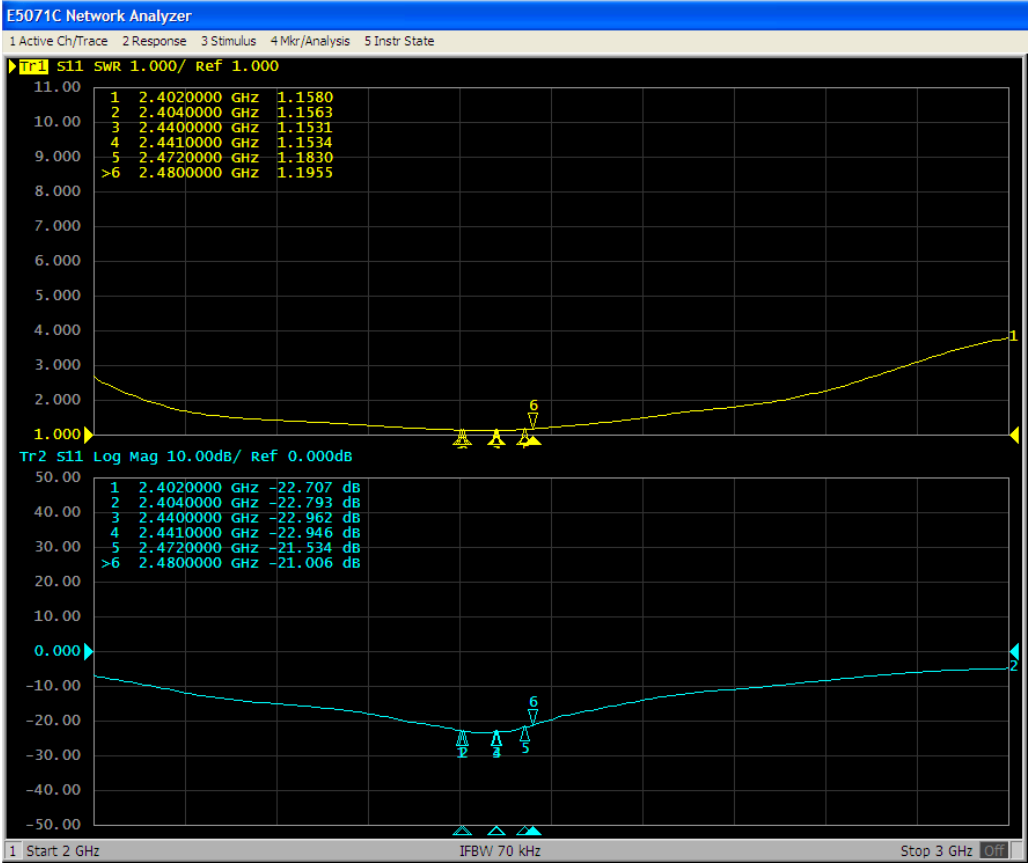
2480.0MHz Total(E2-YZ), Max= -0.48dBi



Total(H-XY), Max= 0.32dBi, CirD=4.43



Rturn Loss: Antenna1



Godox Photo Equipment Co.,Ltd.

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)	1.36	1.36	1.82	1.79	1.42	1.46
Efficiency (%)	56.84	56.58	63.14	62.60	54.30	52.26
Directivity (dB)	3.82	3.83	3.81	3.82	4.08	4.28
Peak Gain Position (Theta)	87.00	87.00	87.00	87.00	78.00	78.00
Peak Gain Position (Phi)	30.00	30.00	30.00	30.00	150.00	150.00
Efficiency ThetaPol (%)	52.65	52.36	57.70	57.23	48.94	46.91
Efficiency PhiPol (%)	4.19	4.22	5.44	5.38	5.36	5.35
Upper Hem. Efficiency (%)	23.64	23.51	26.29	26.04	21.89	21.00
Lower Hem. Efficiency (%)	33.20	33.07	36.84	36.56	32.41	31.26