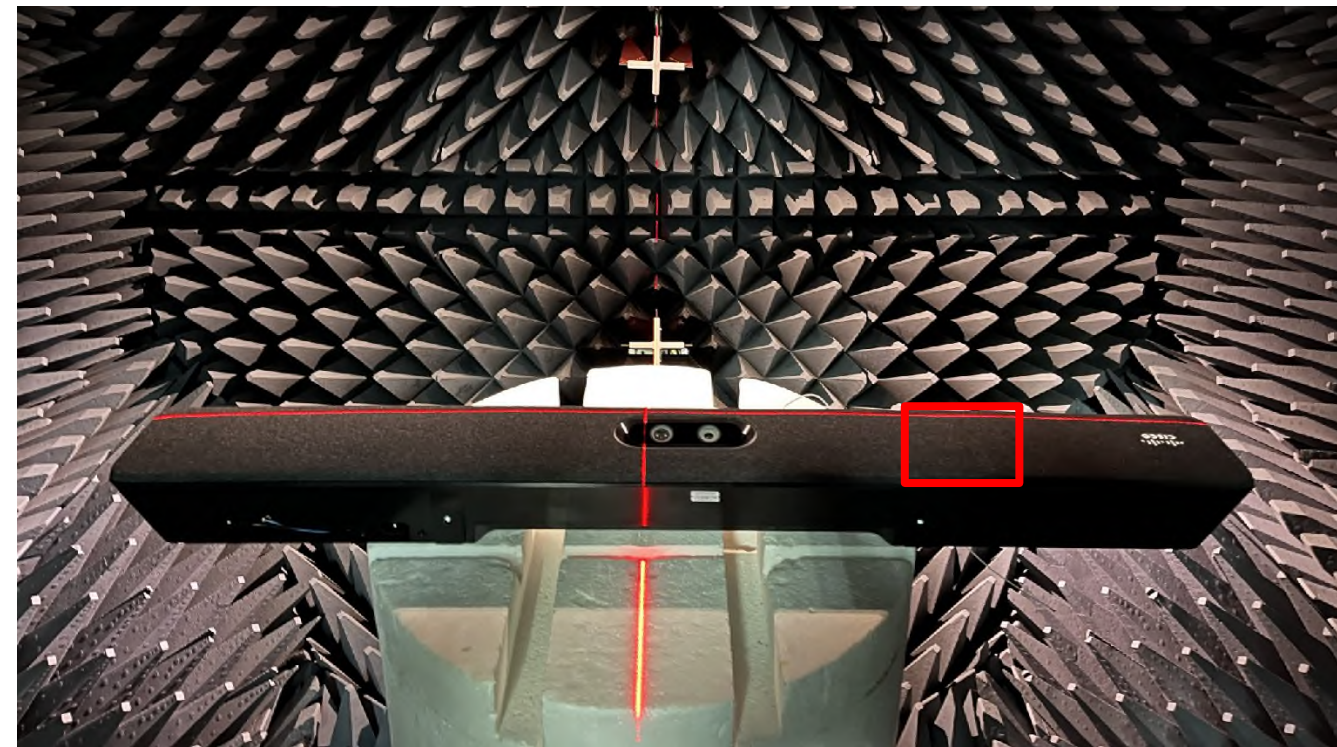
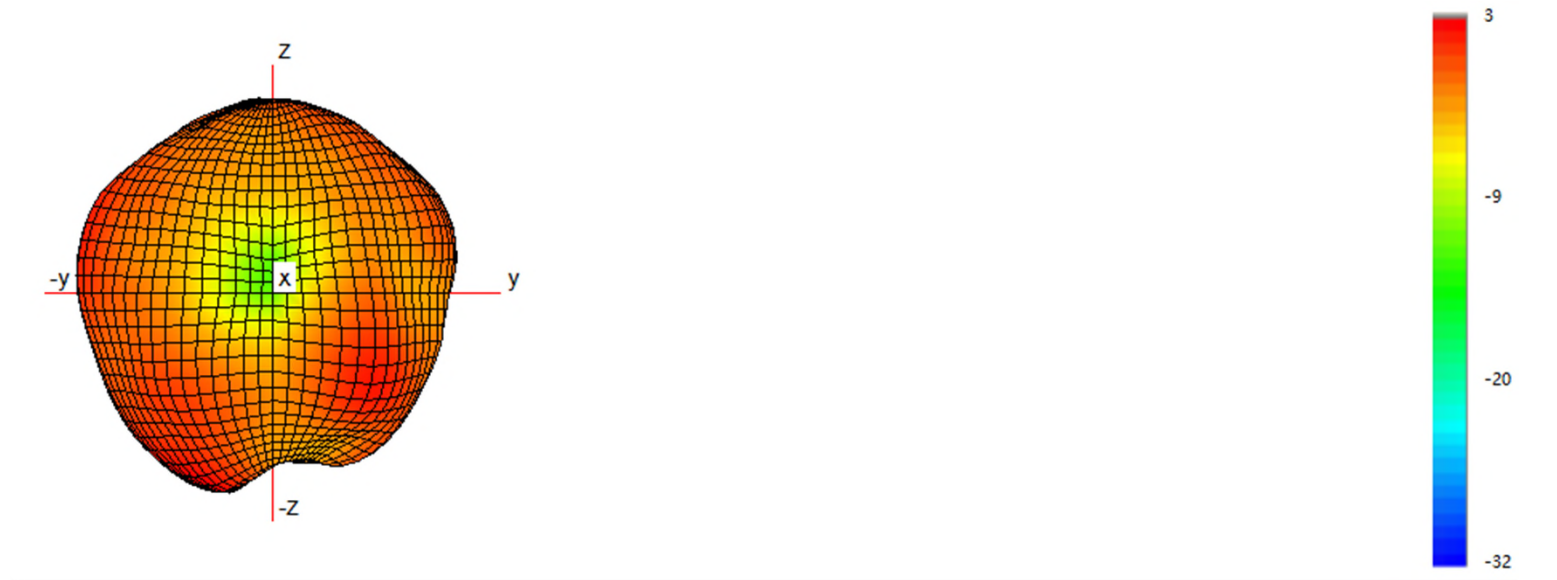
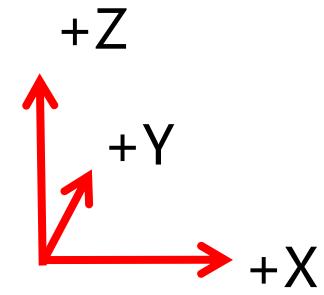


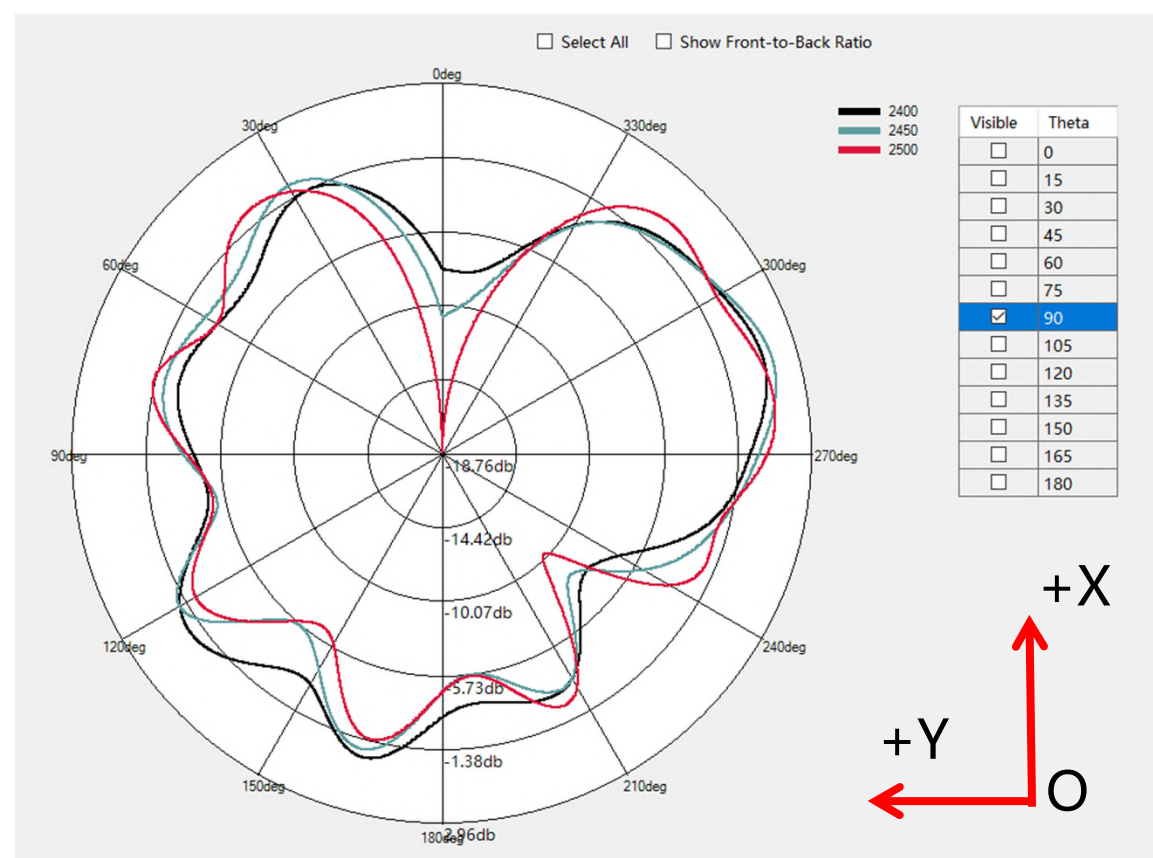
Brooklyn antenna | Radiation Pattern



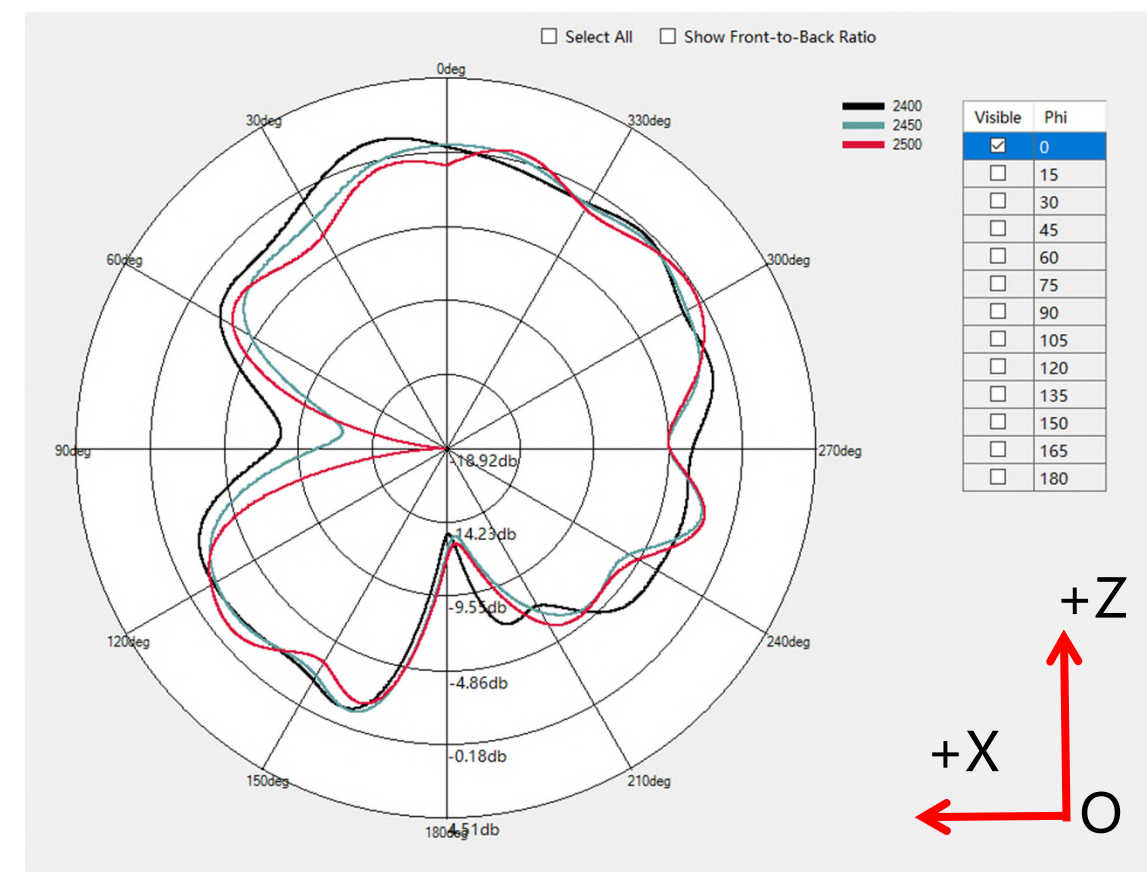
Chamber environment



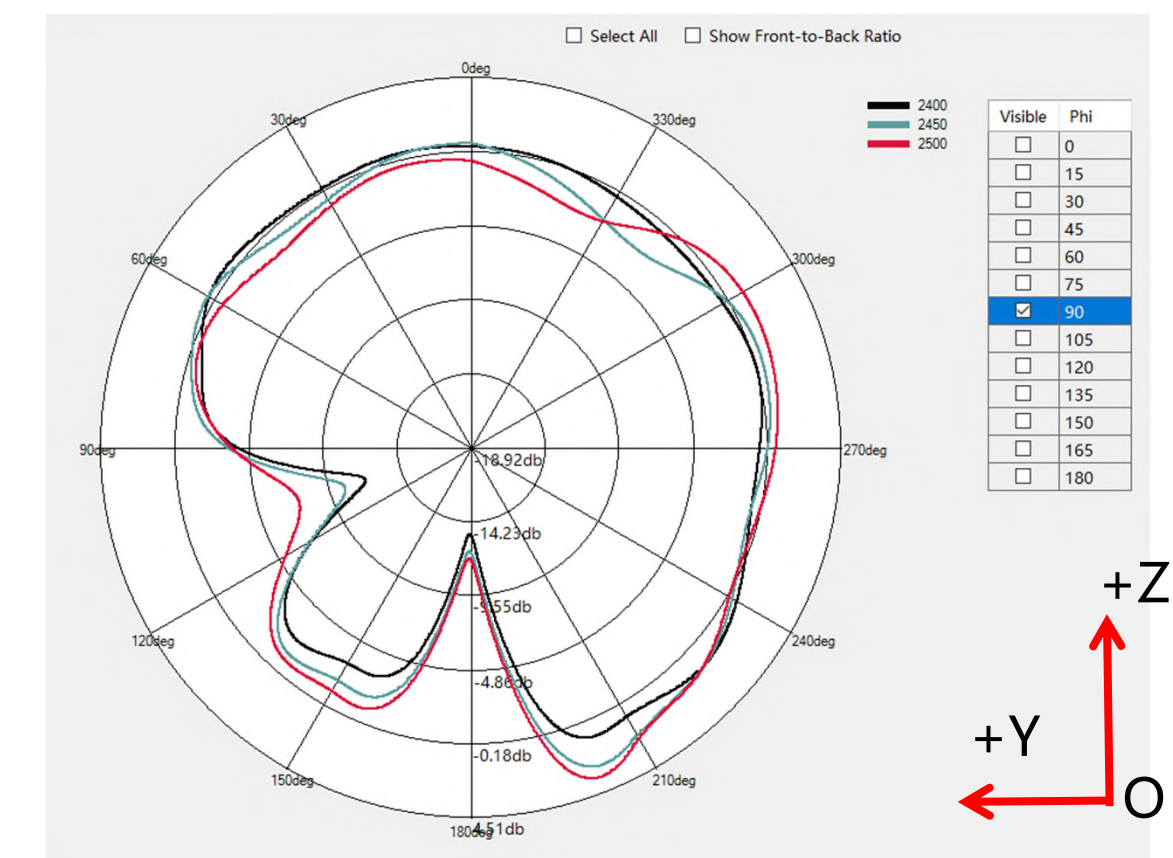
@2.45GHz



XOY plane

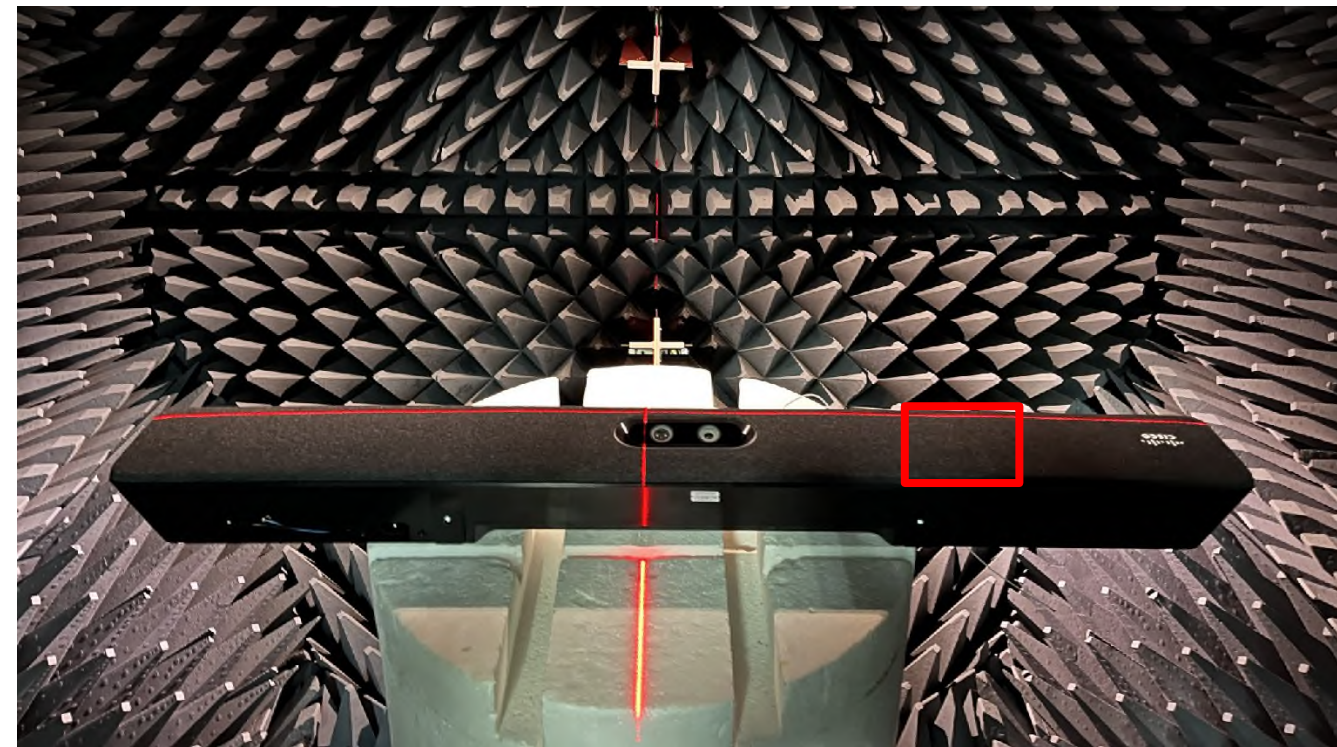


XOZ plane

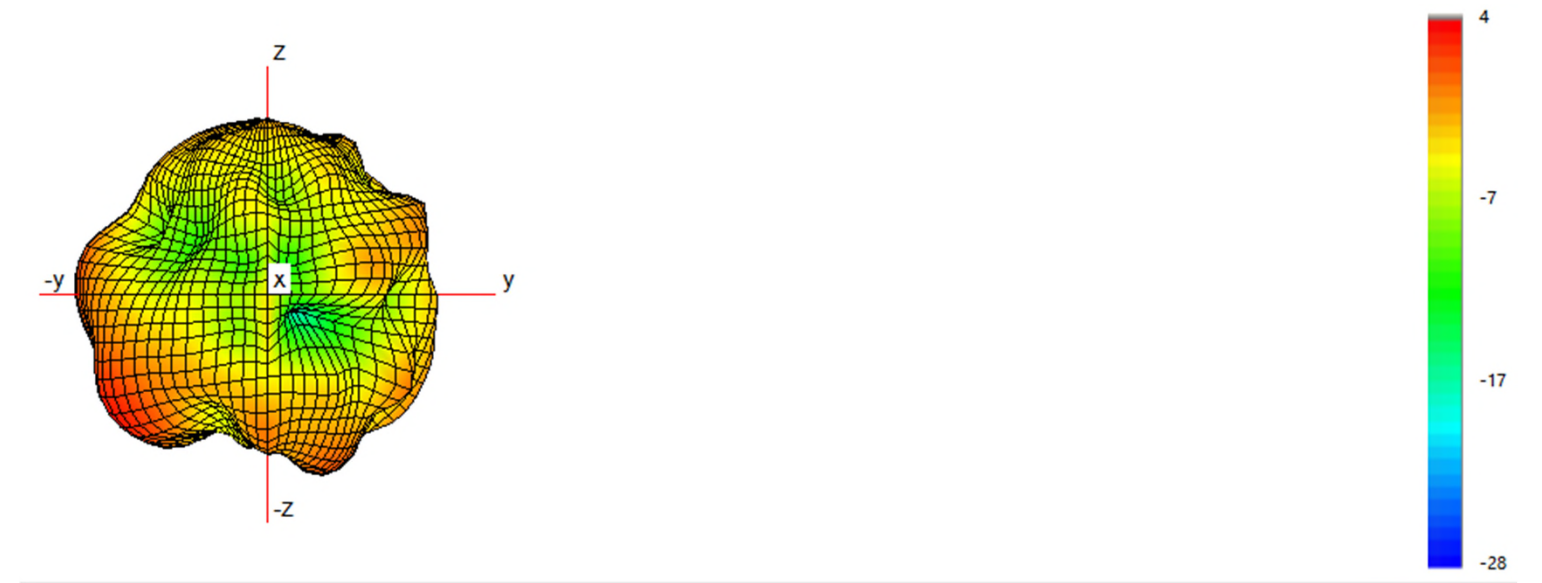
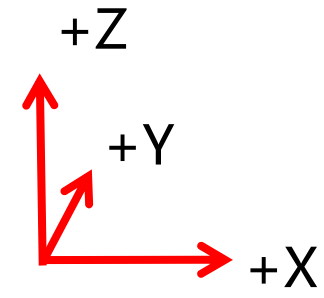


YOZ plane

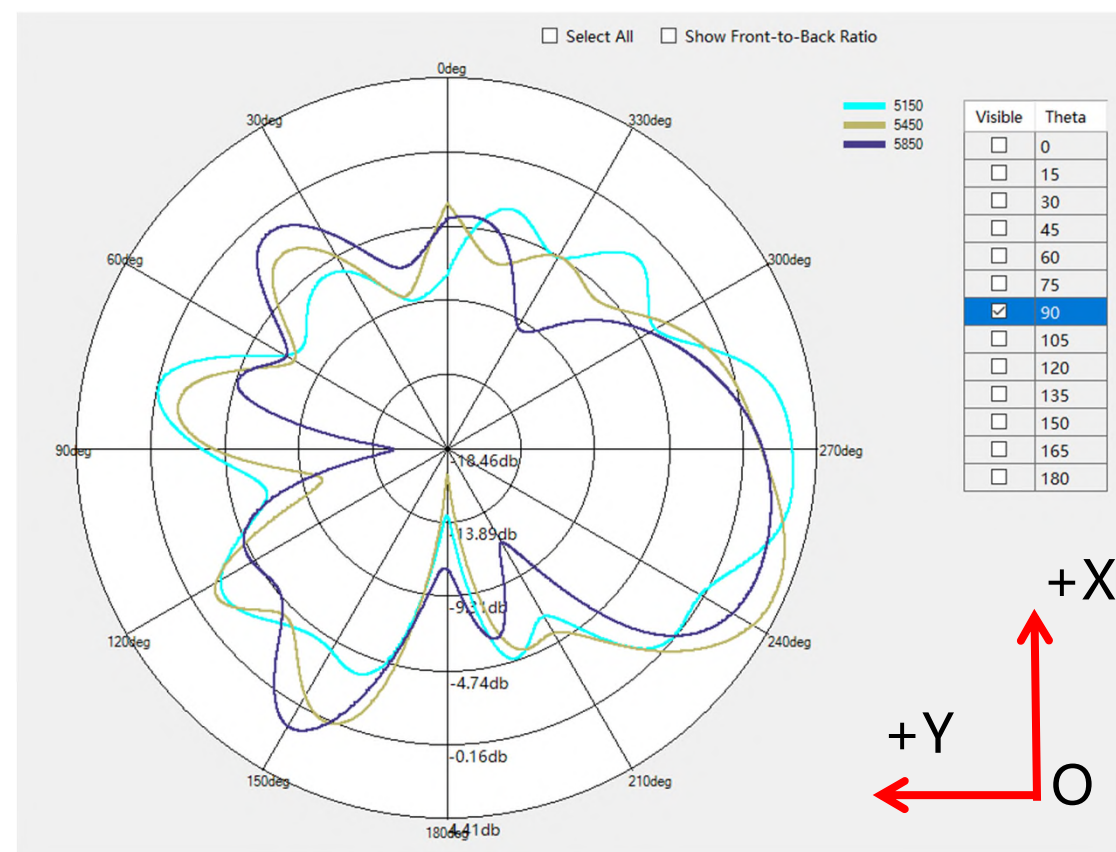
Brooklyn antenna | Radiation Pattern



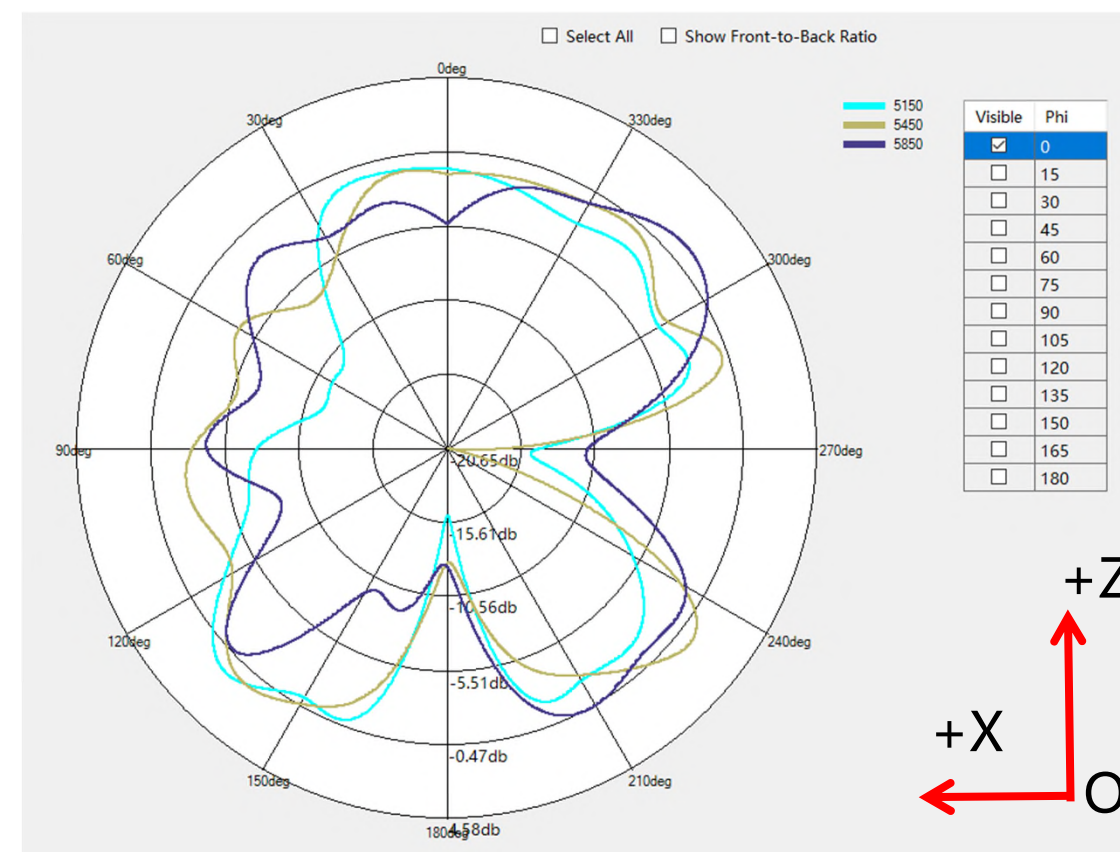
Chamber environment



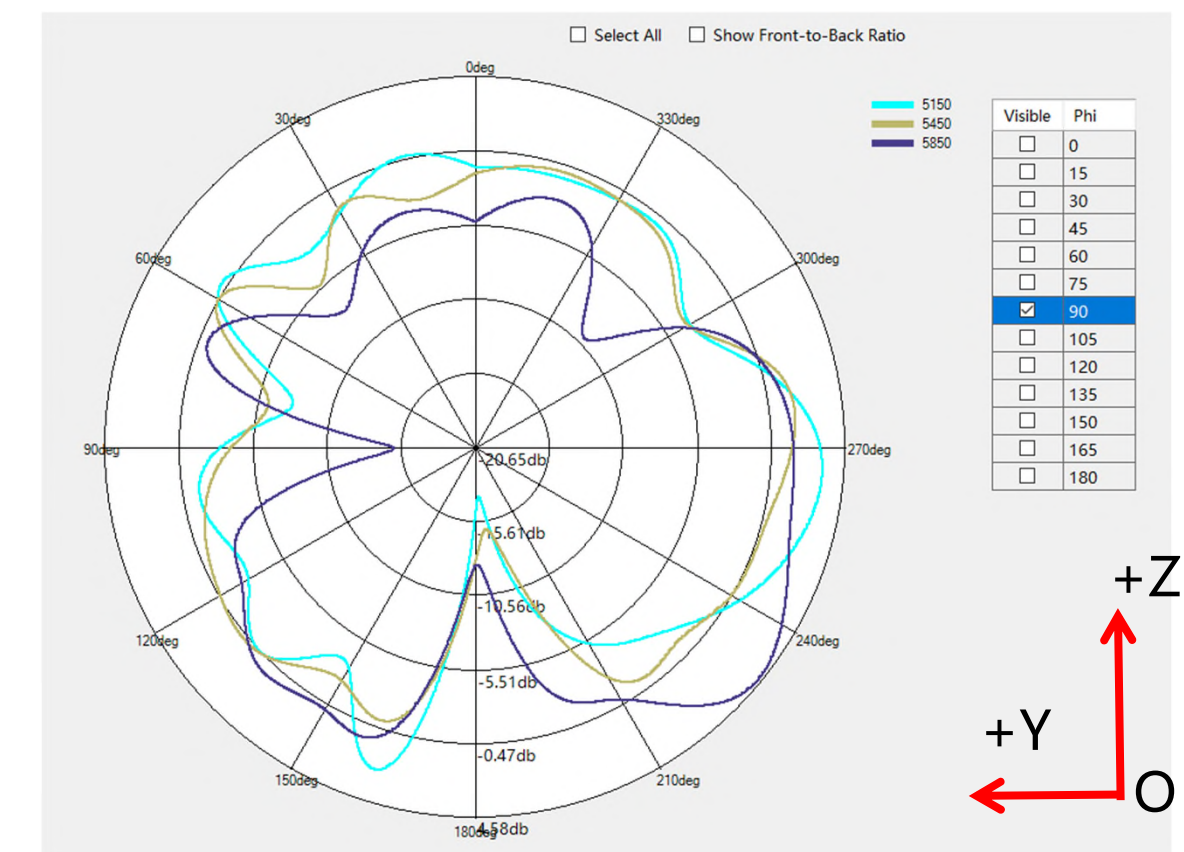
@5.5GHz



XOY plane

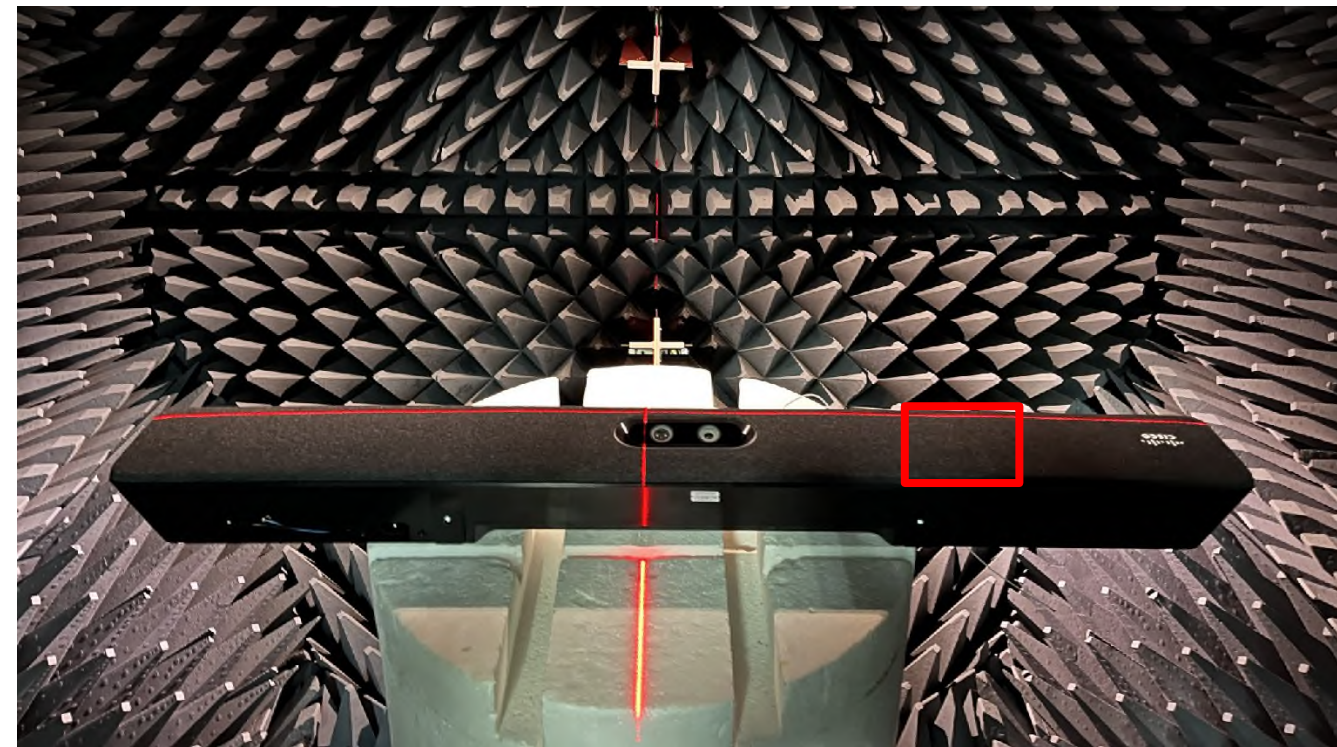


XOZ plane

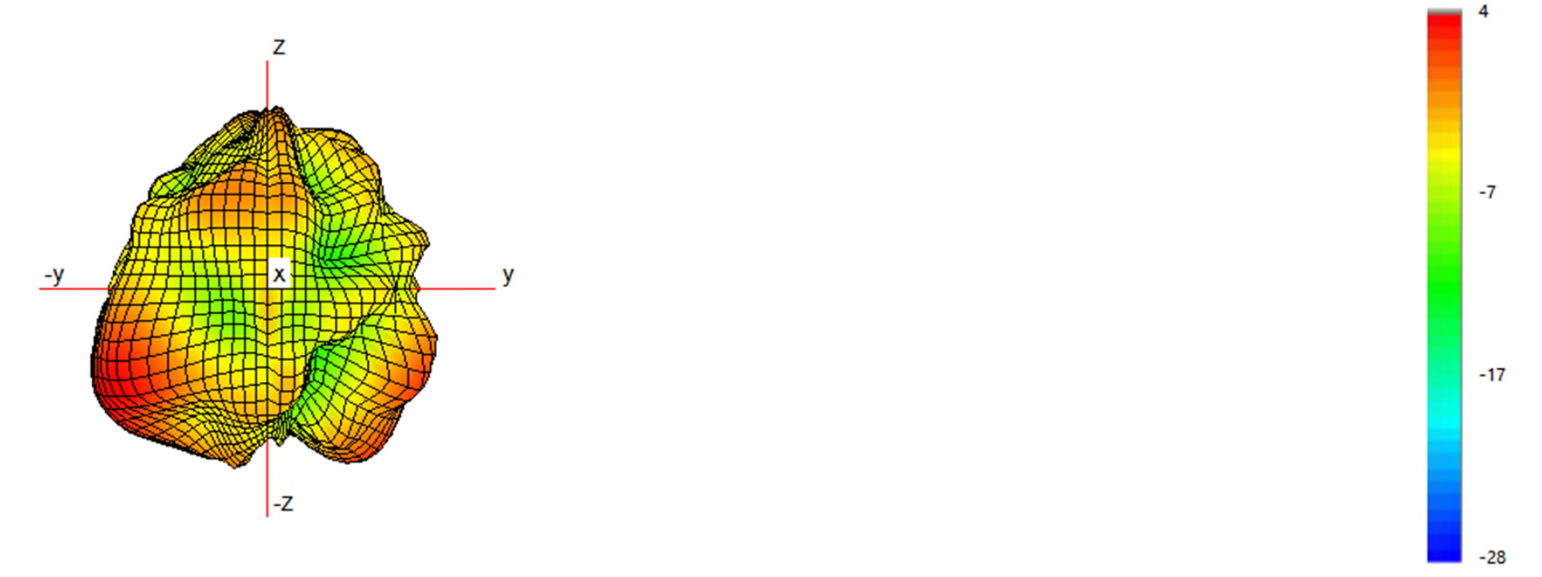
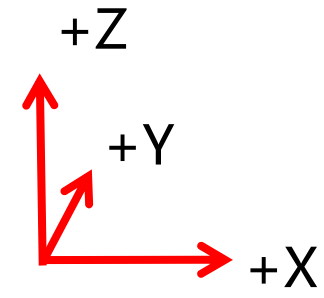


YOZ plane

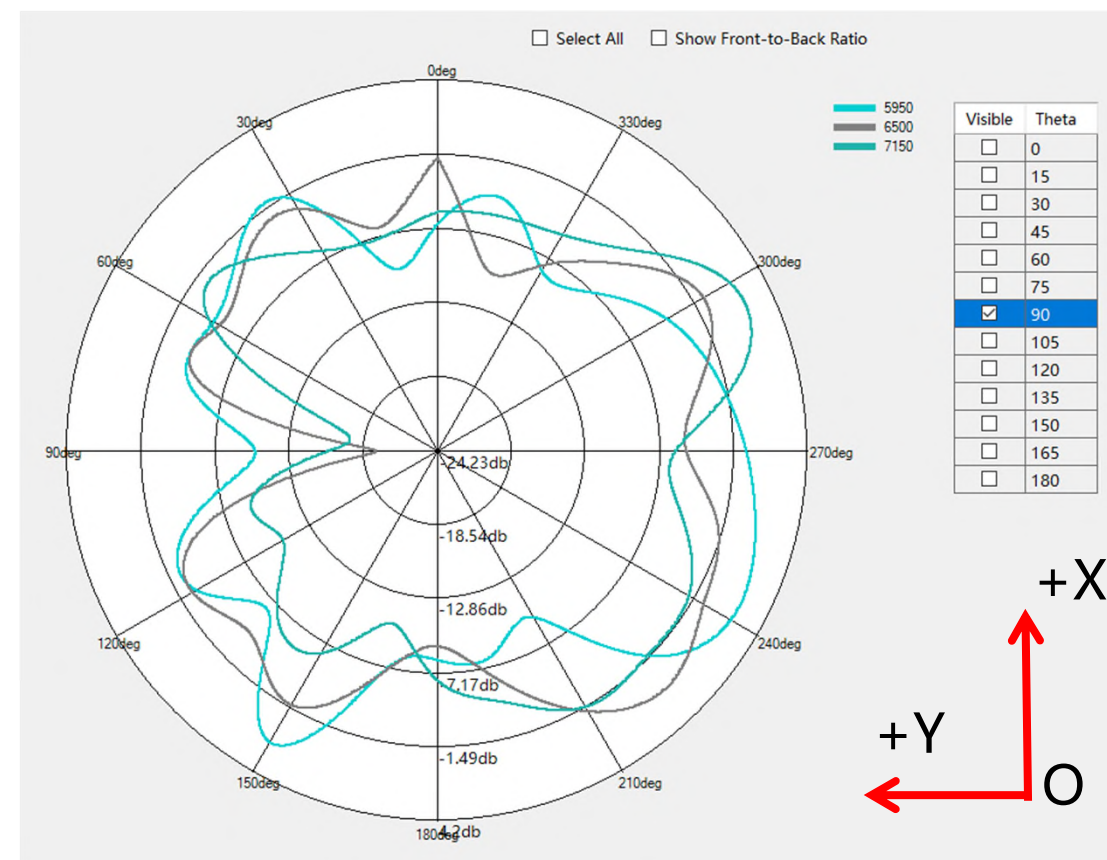
Brooklyn antenna | Radiation Pattern



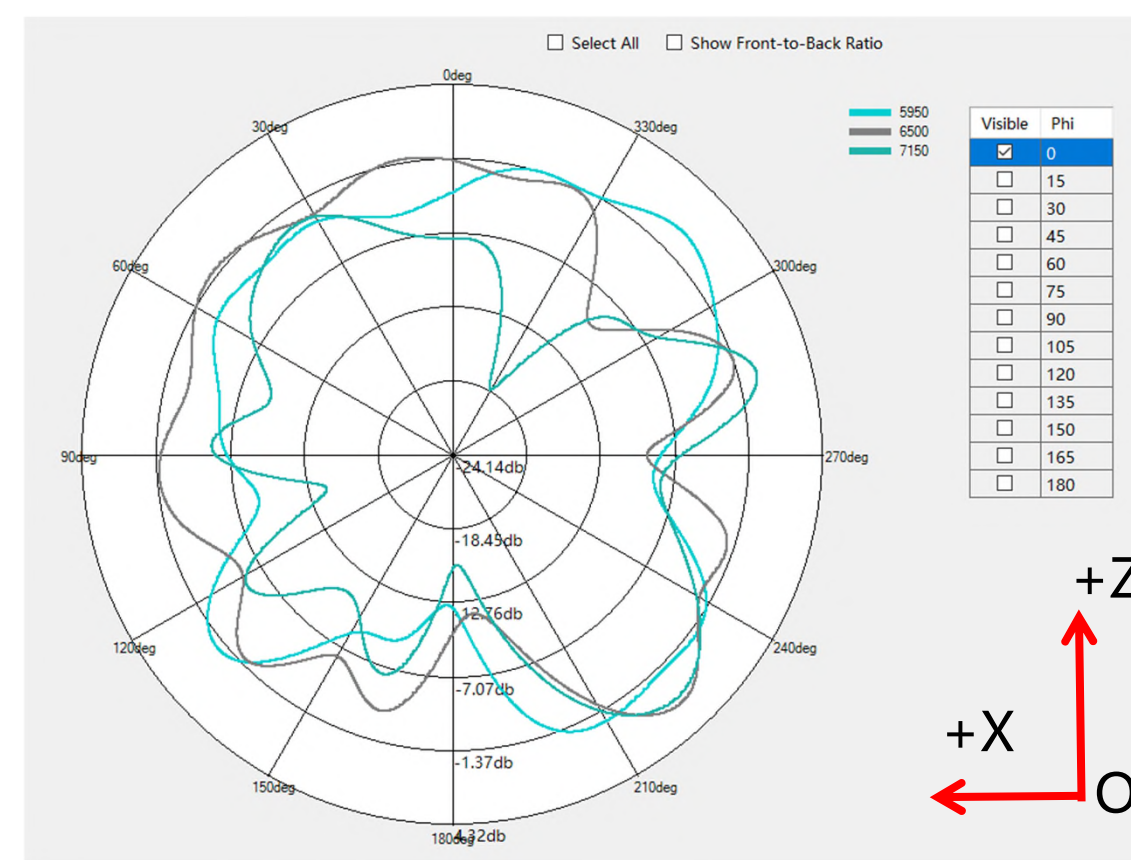
Chamber environment



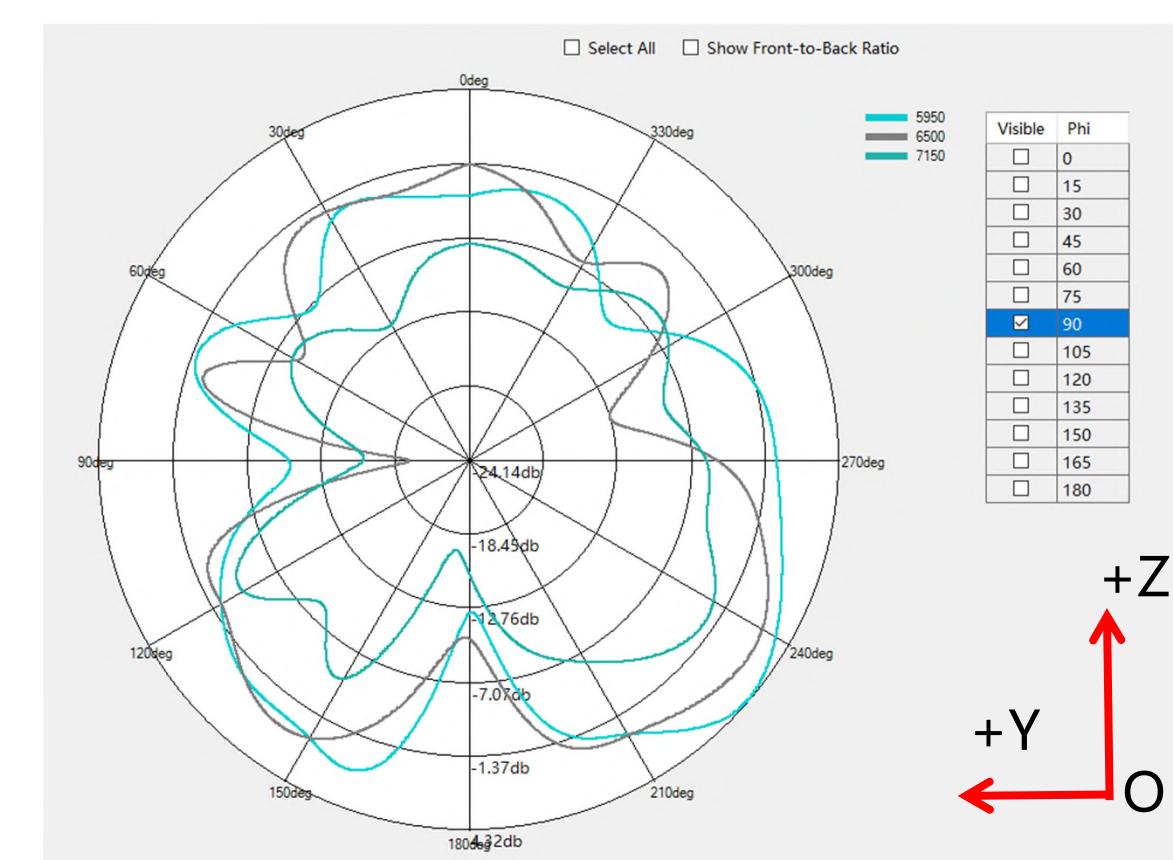
@6.5GHz



XOY plane



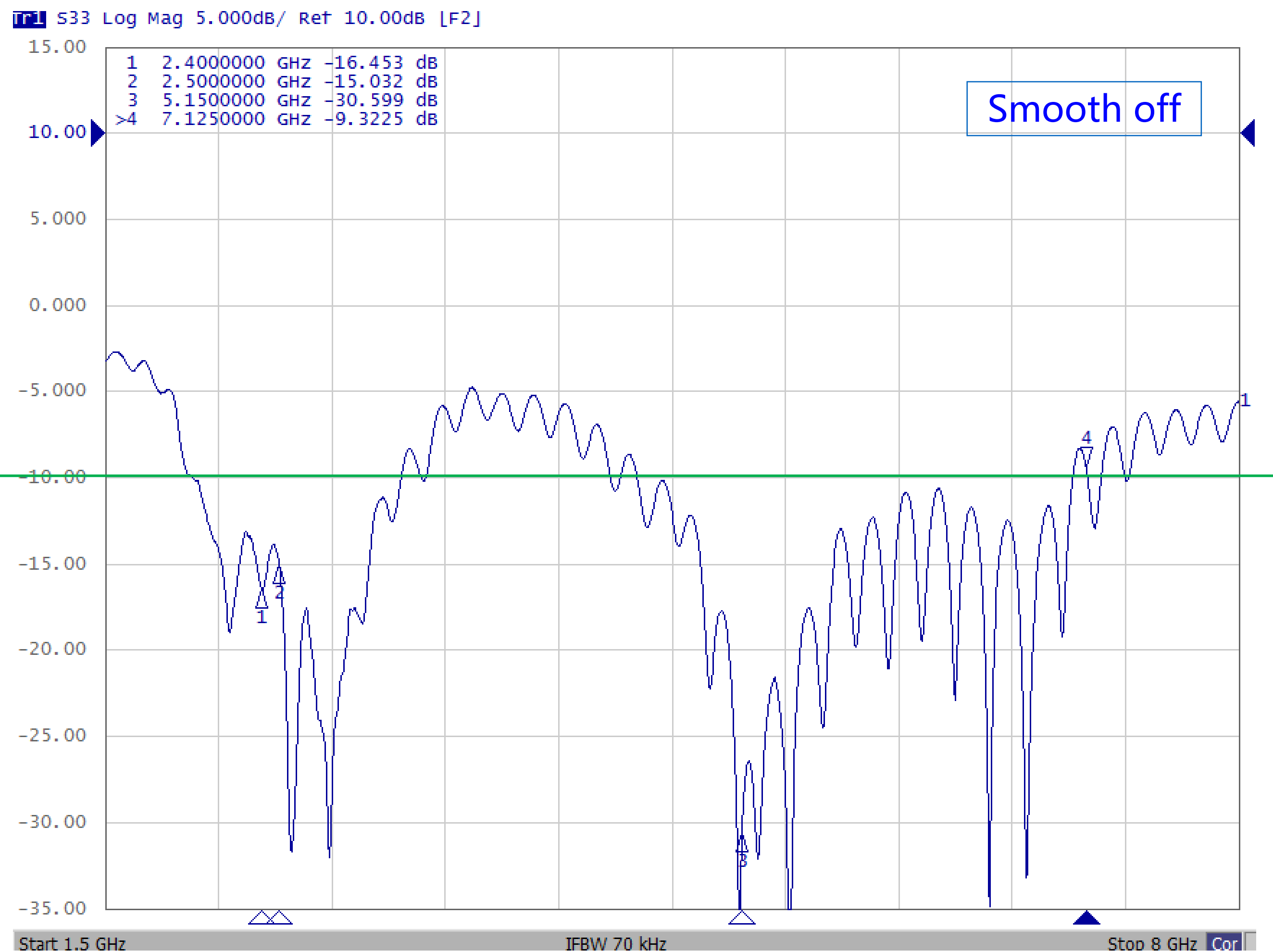
XOZ plane



YOZ plane

BT antenna

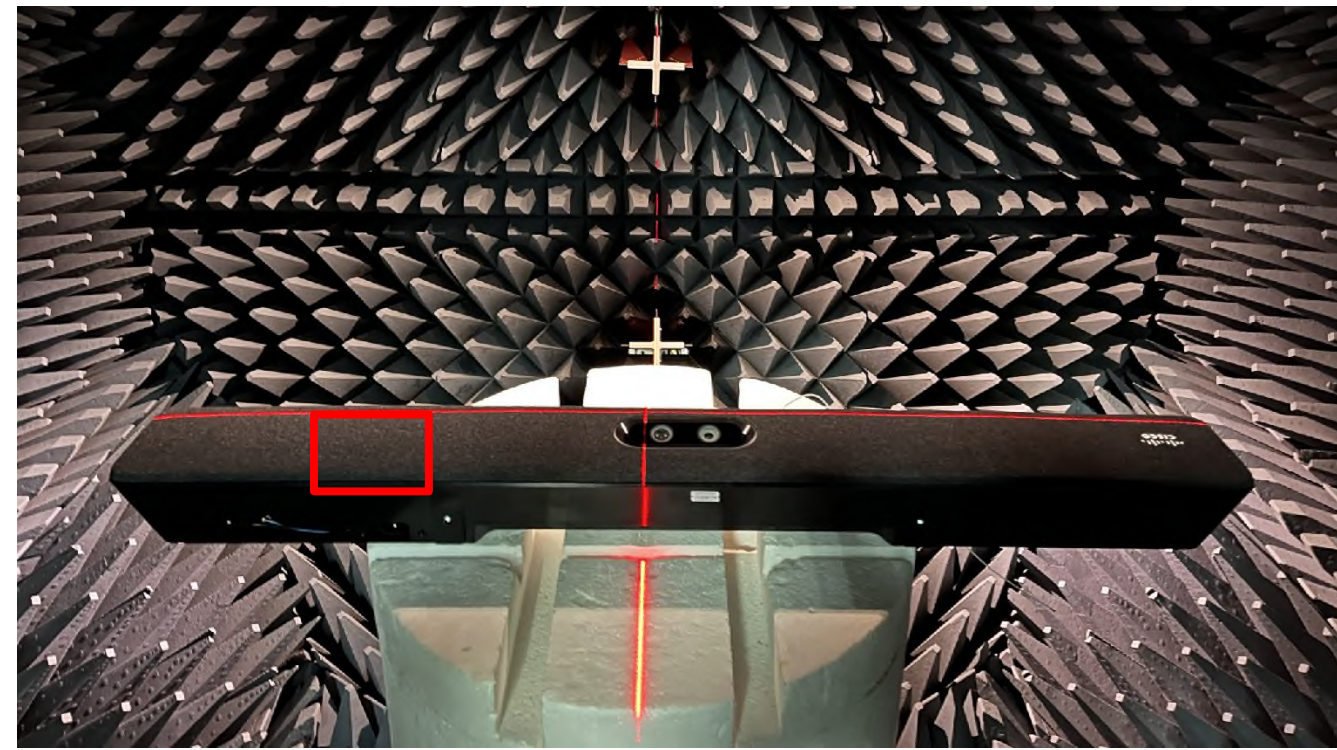
Brooklyn antenna | S-parameter & antenna gain



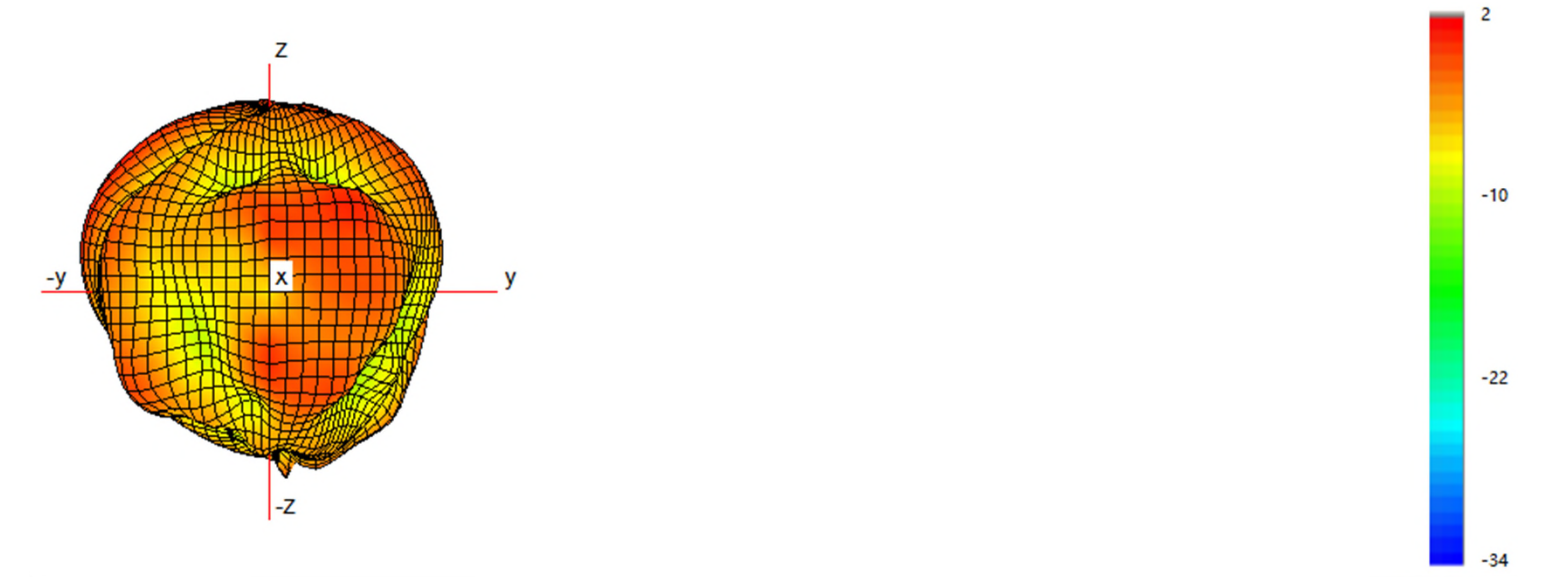
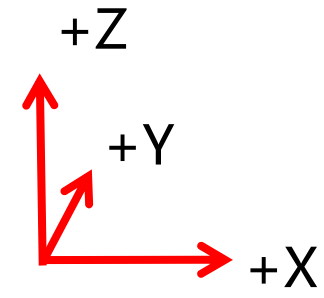
Freq.(MHz)	Effi.(Pcent)	Effi.(dB)	Peak Gain(dBi)
2400	54%	-2.7	2.5
2450	53%	-2.8	2.0
2500	57%	-2.5	2.5
AVG	54%	-2.6	2.3
5150	51%	-3.0	3.3
5250	51%	-2.9	2.8
5350	50%	-3.0	2.7
5450	49%	-3.1	2.6
5550	48%	-3.1	2.1
5650	46%	-3.4	1.7
5750	46%	-3.3	2.6
5850	47%	-3.3	2.1
AVG	49%	-3.1	2.5
5950	46%	-3.3	1.8
6050	47%	-3.3	2.9
6150	48%	-3.2	3.1
6250	46%	-3.4	2.7
6350	43%	-3.7	1.9
6450	42%	-3.8	1.2
6550	43%	-3.7	1.6
6650	38%	-4.1	1.4
6750	37%	-4.4	0.9
6850	34%	-4.6	1.3
6950	27%	-5.6	1.3
7050	24%	-6.2	1.3
7150	25%	-6.0	0.9
AVG	39%	-4.3	1.7

The S-parameter and efficiency can almost meet the spec.

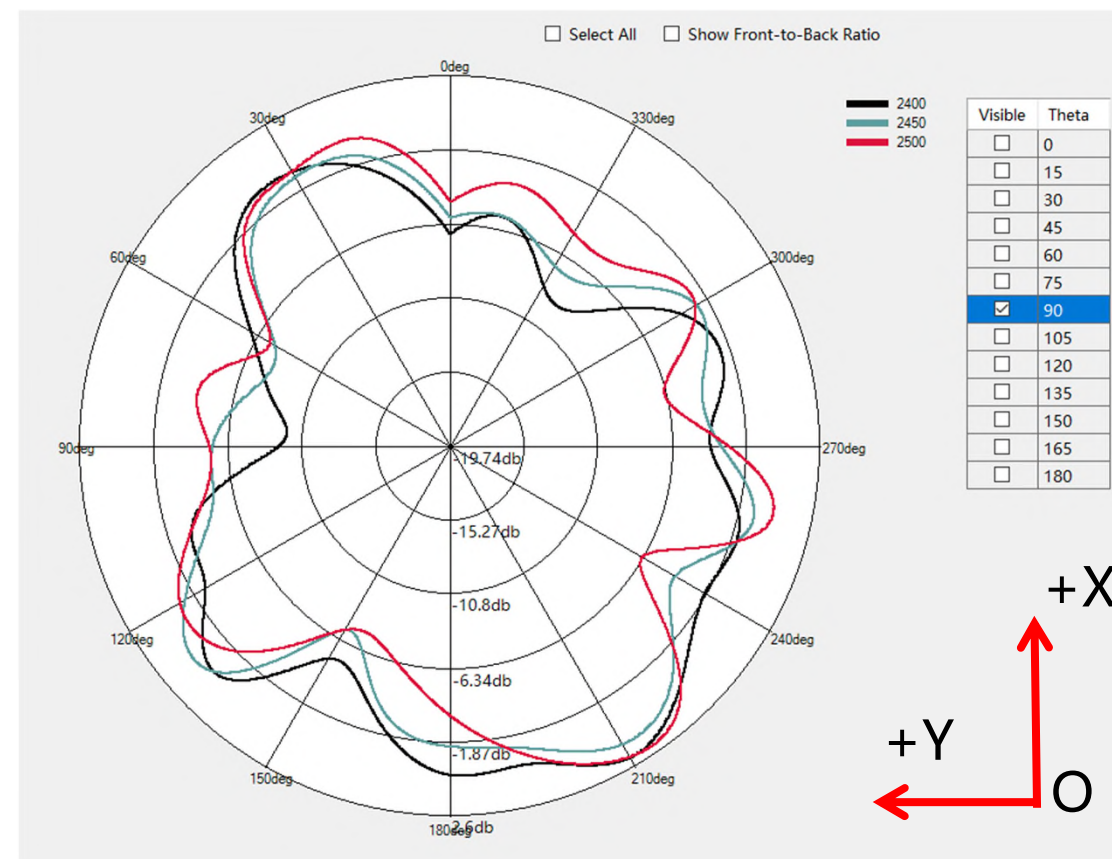
Brooklyn antenna | Radiation Pattern



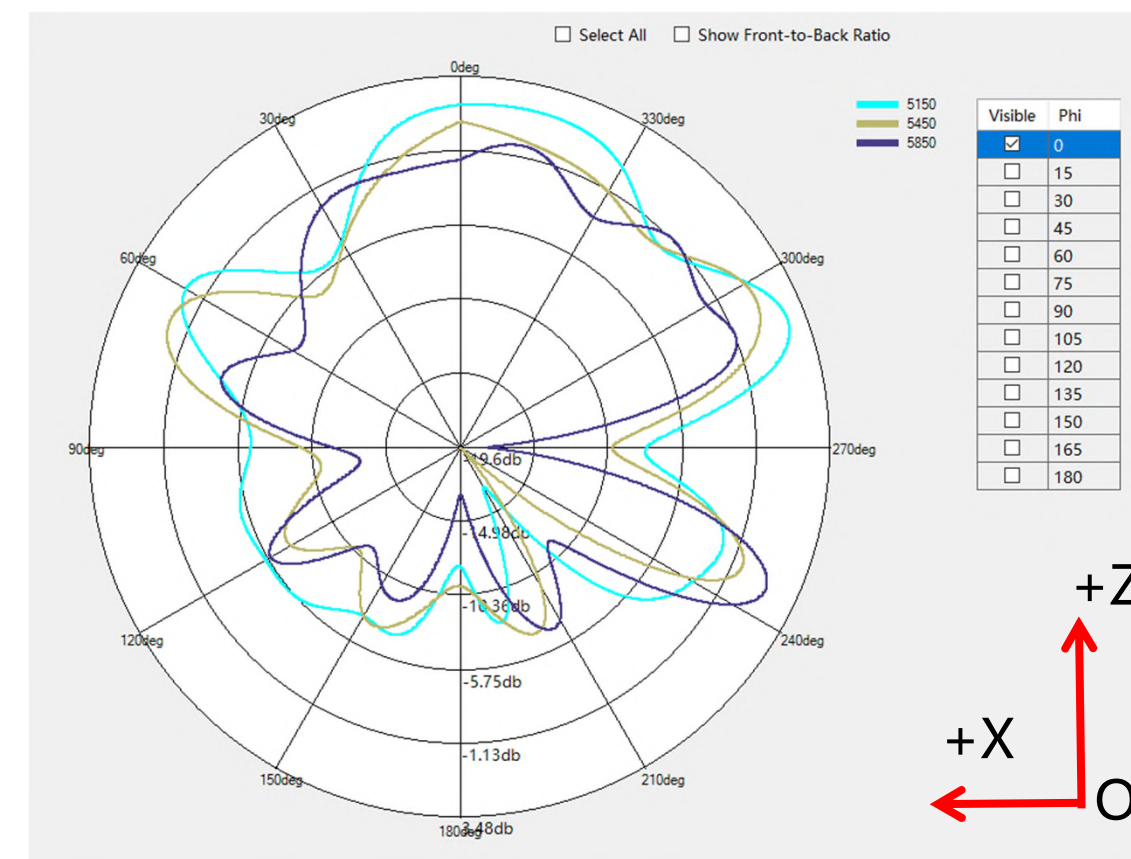
Chamber environment



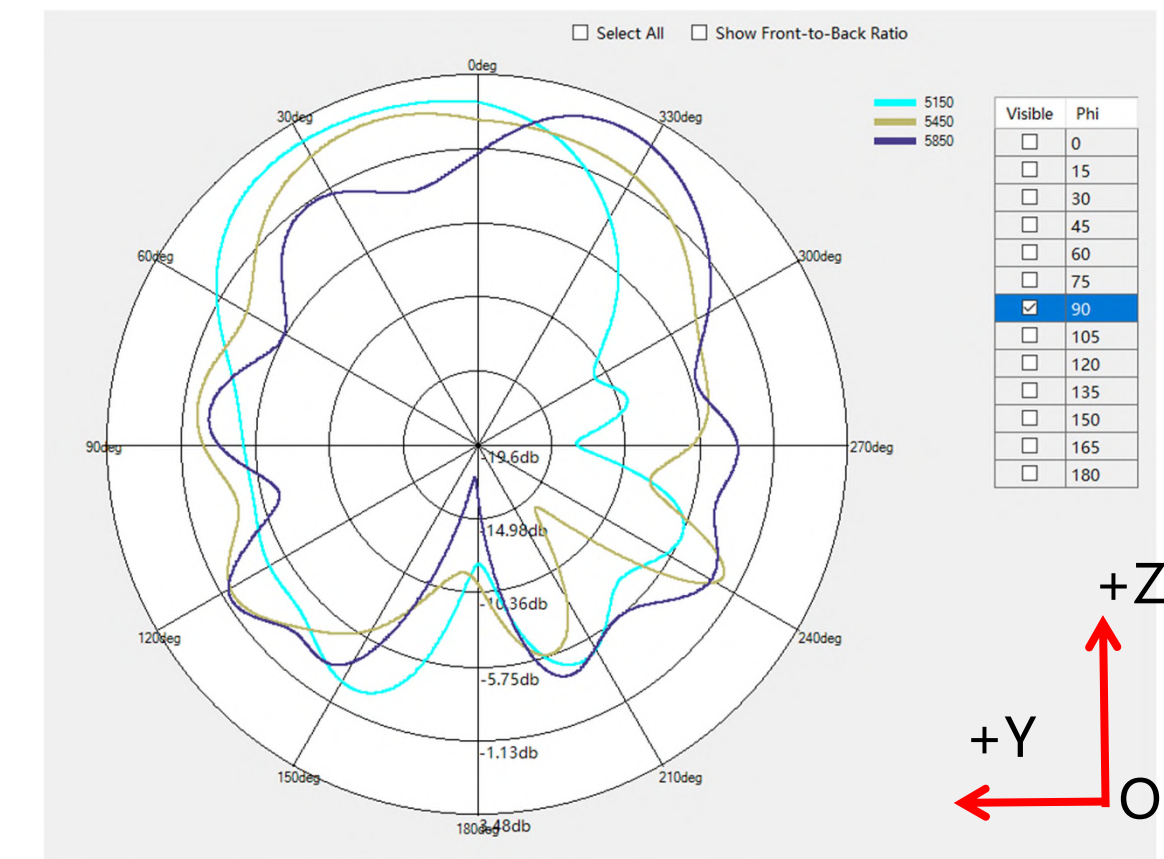
@2.45GHz



XOY plane

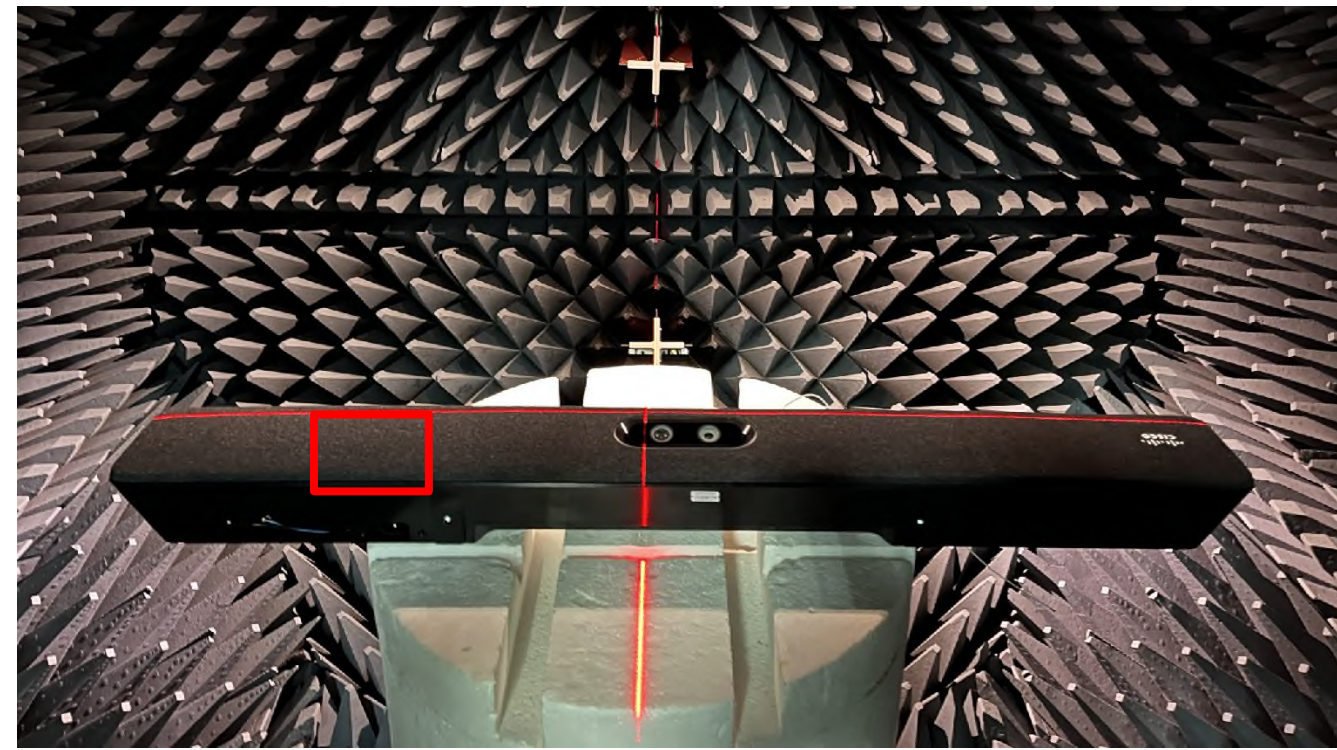


XOZ plane

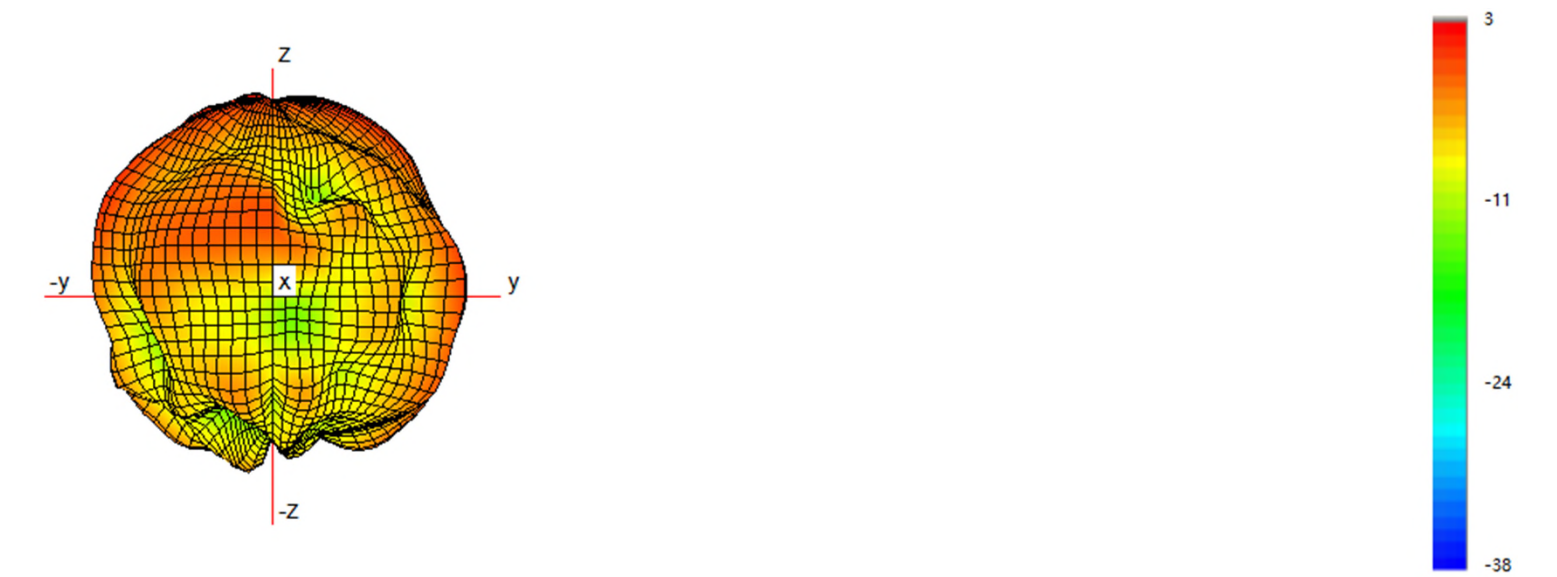
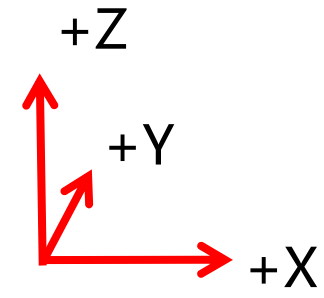


YOZ plane

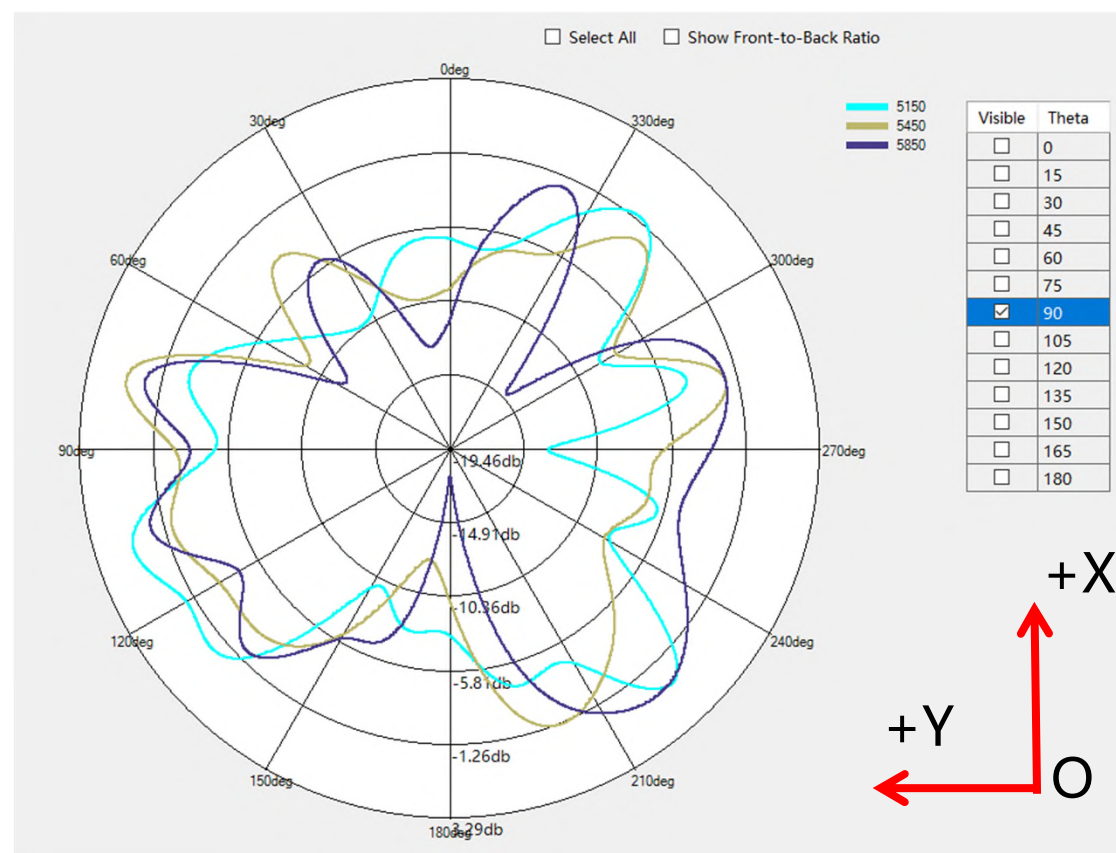
Brooklyn antenna | Radiation Pattern



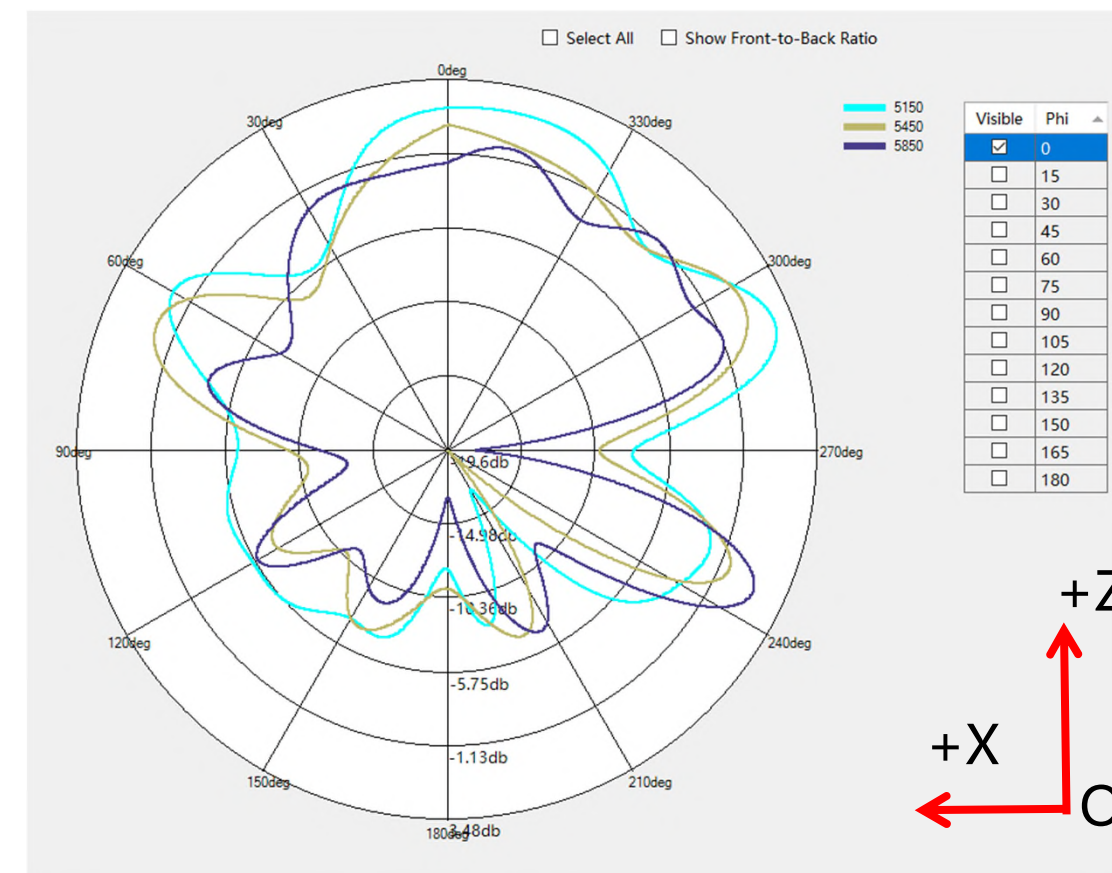
Chamber environment



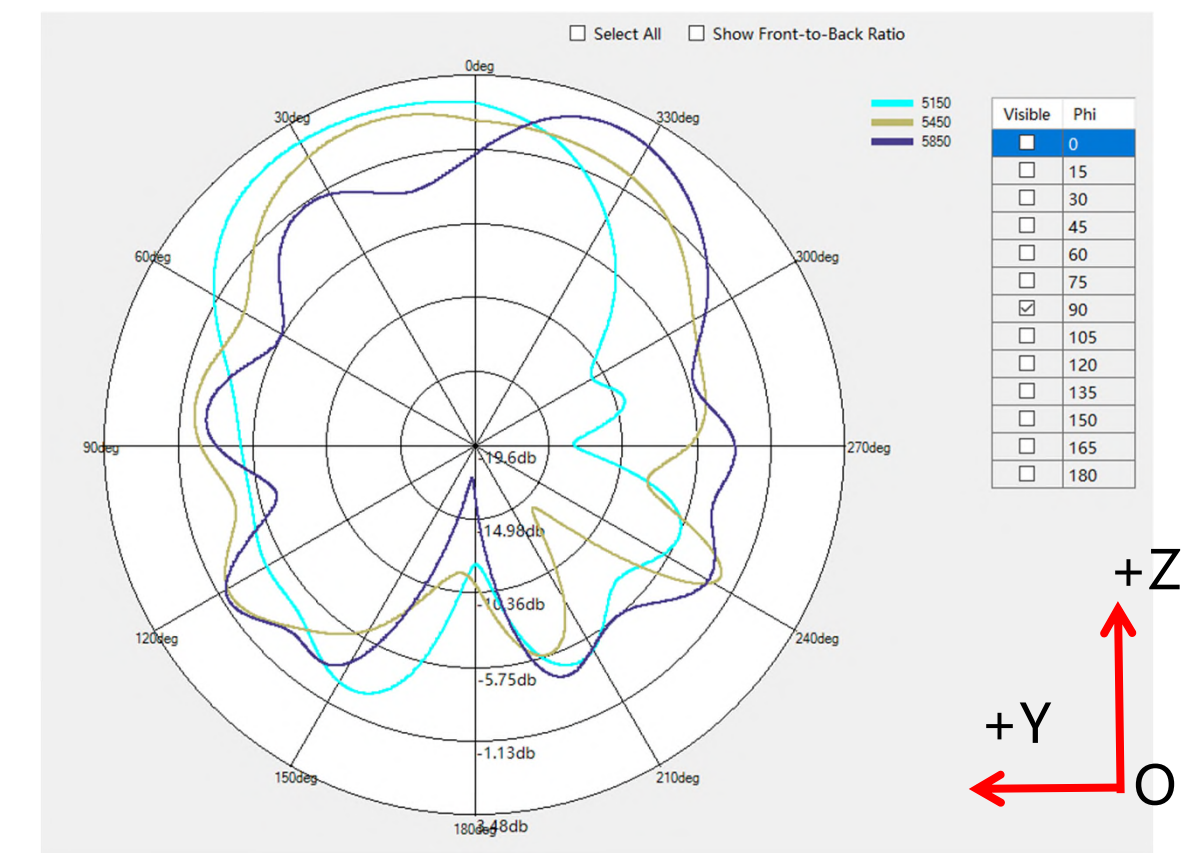
@5.5GHz



XOY plane

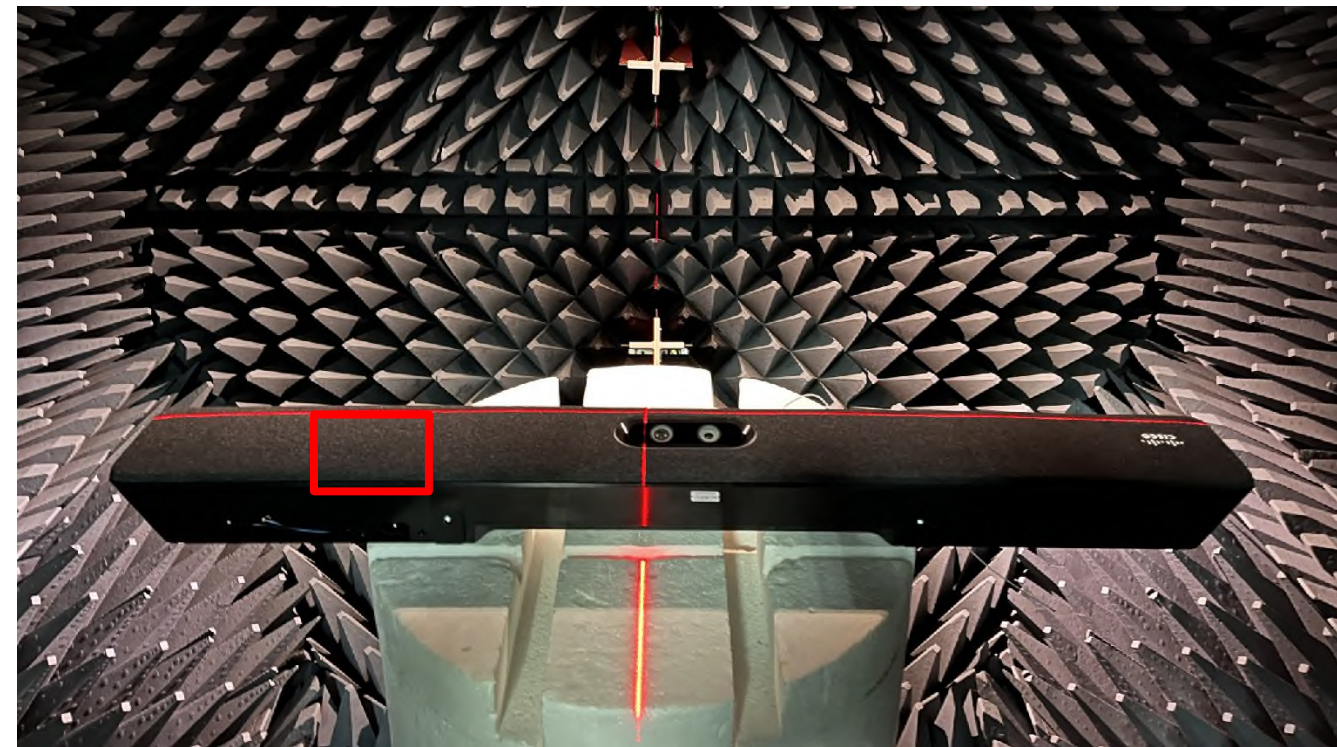


XOZ plane

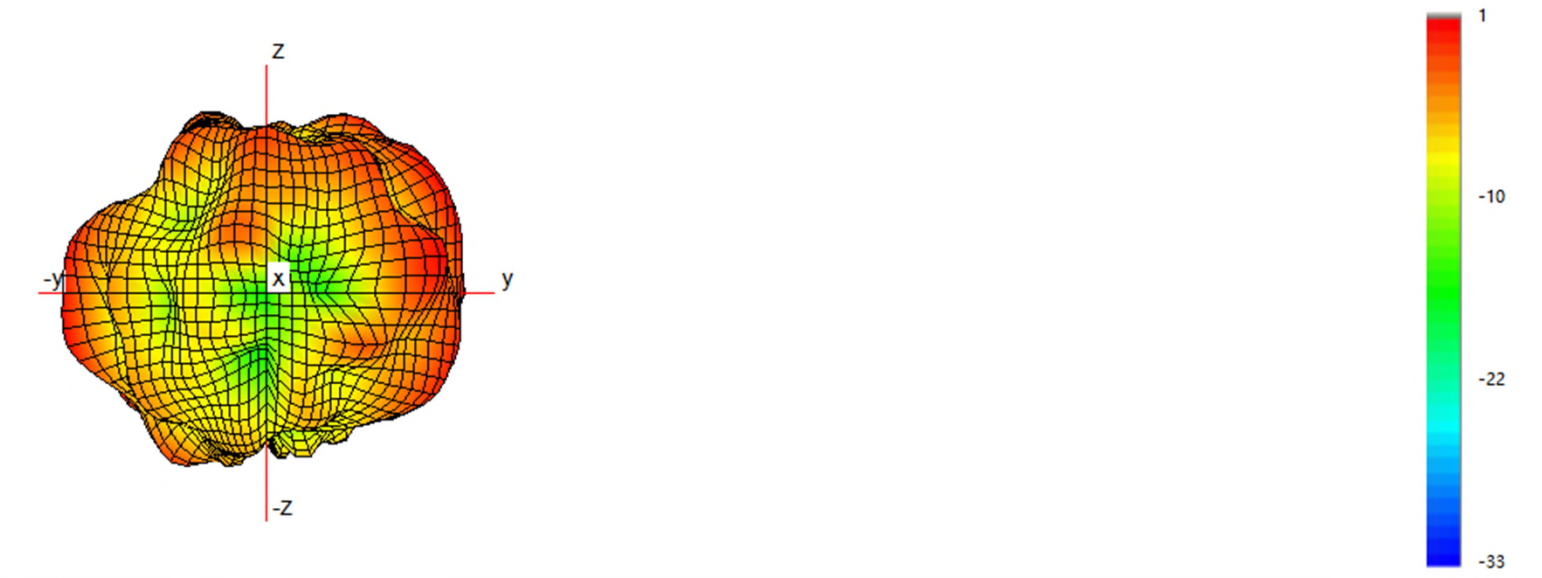
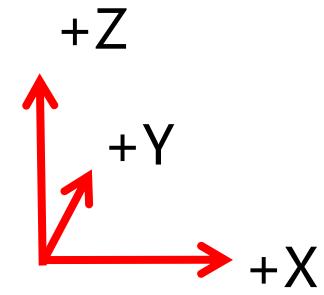


YOZ plane

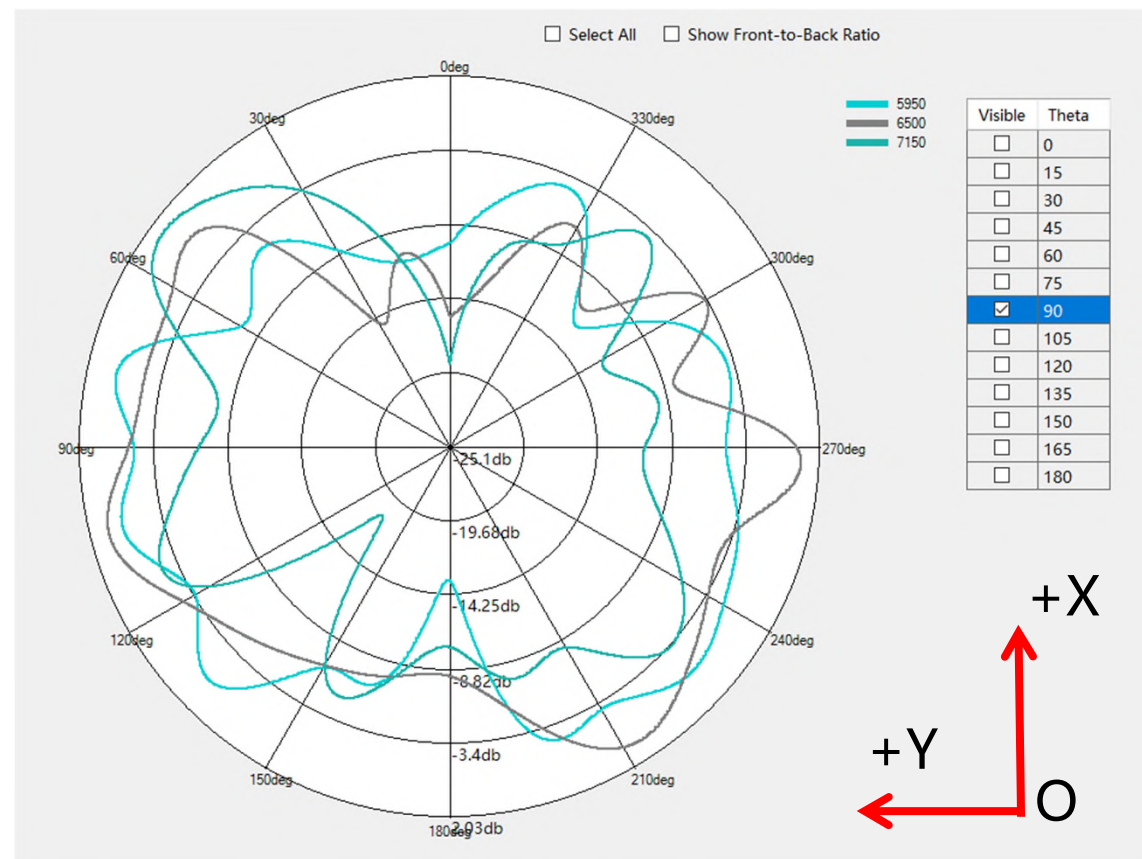
Brooklyn antenna | Radiation Pattern



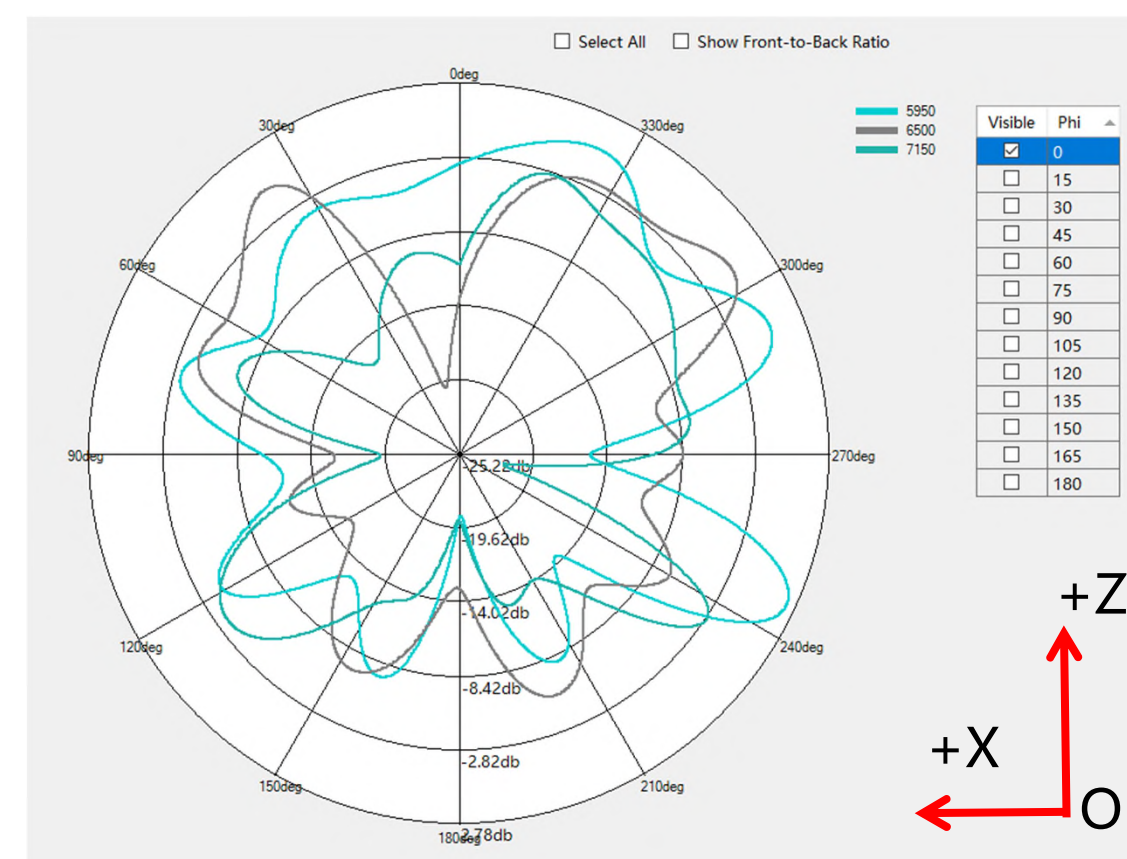
Chamber environment



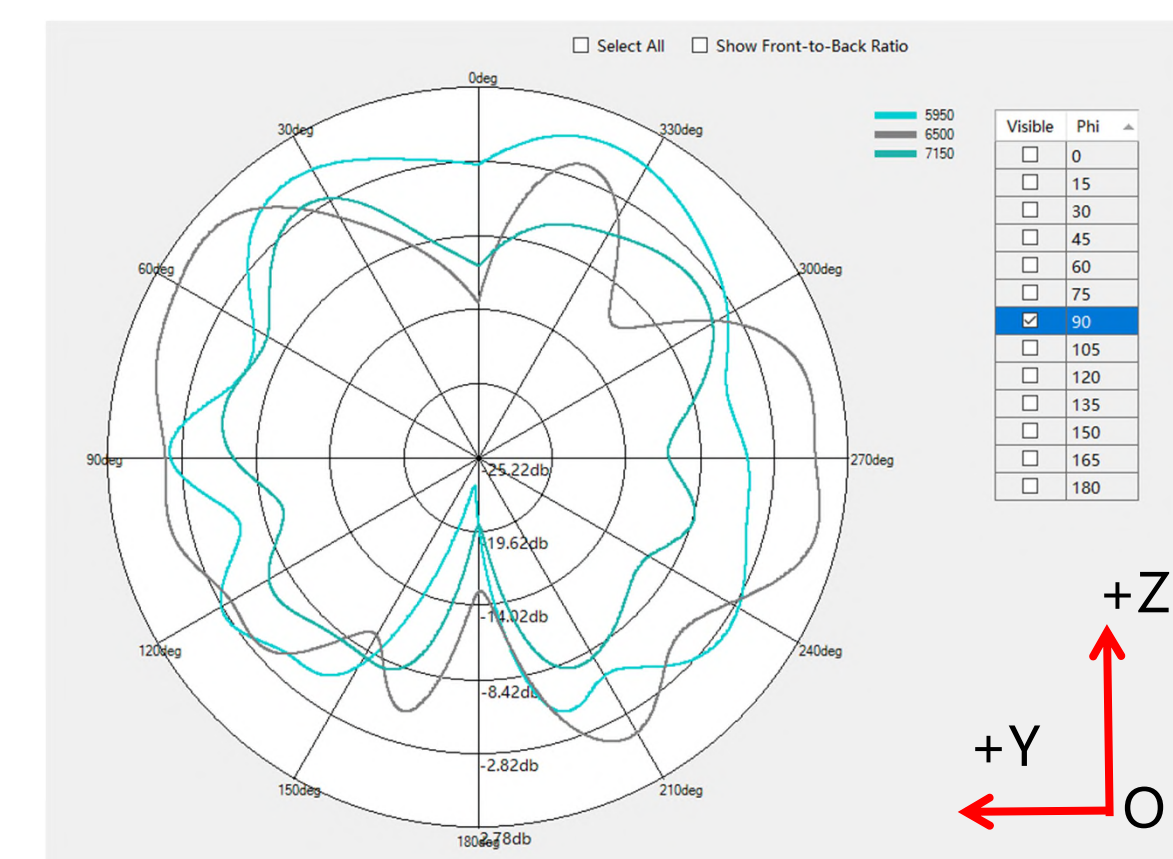
@6.5GHz



XOY plane



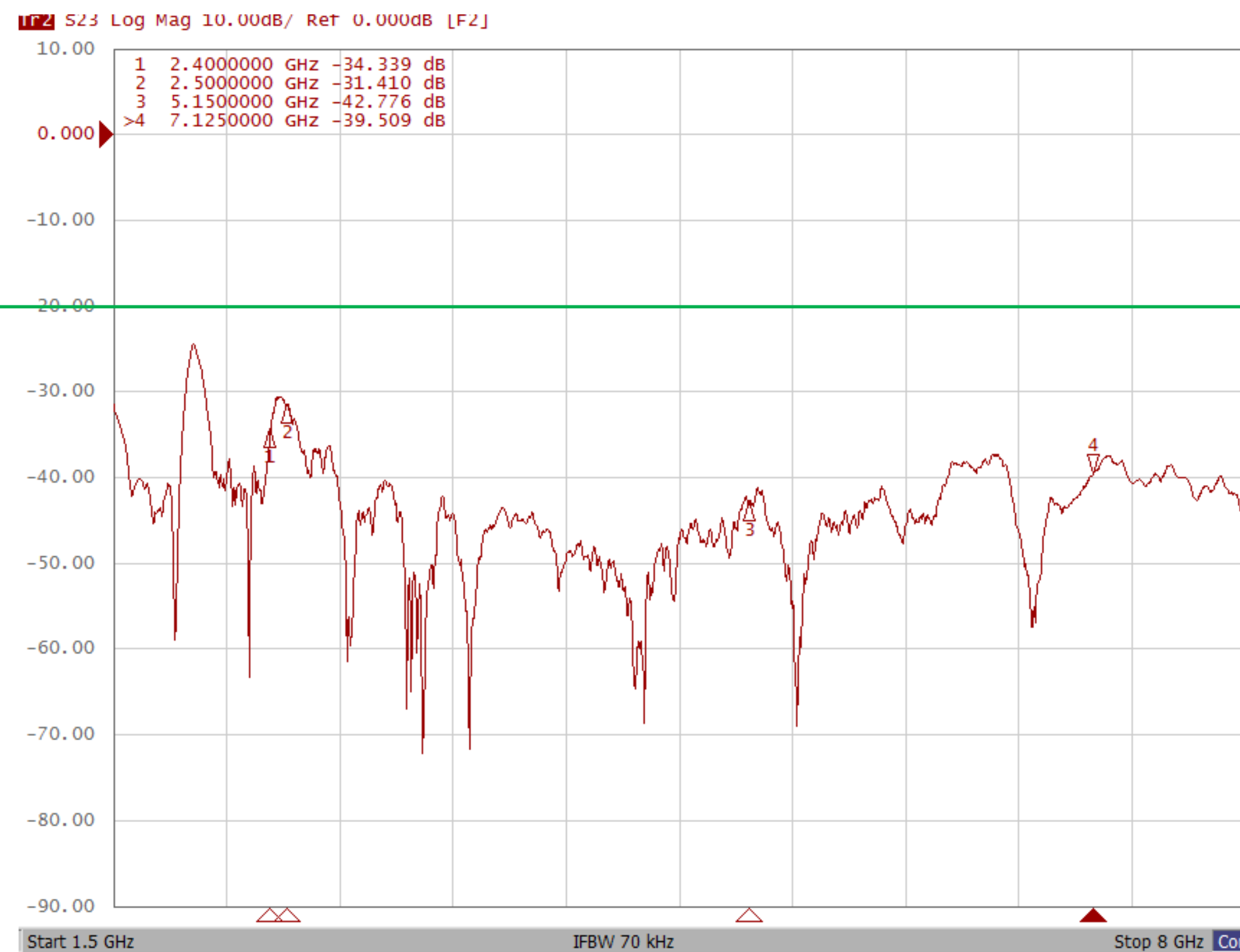
XOZ plane



YOZ plane

Isolation

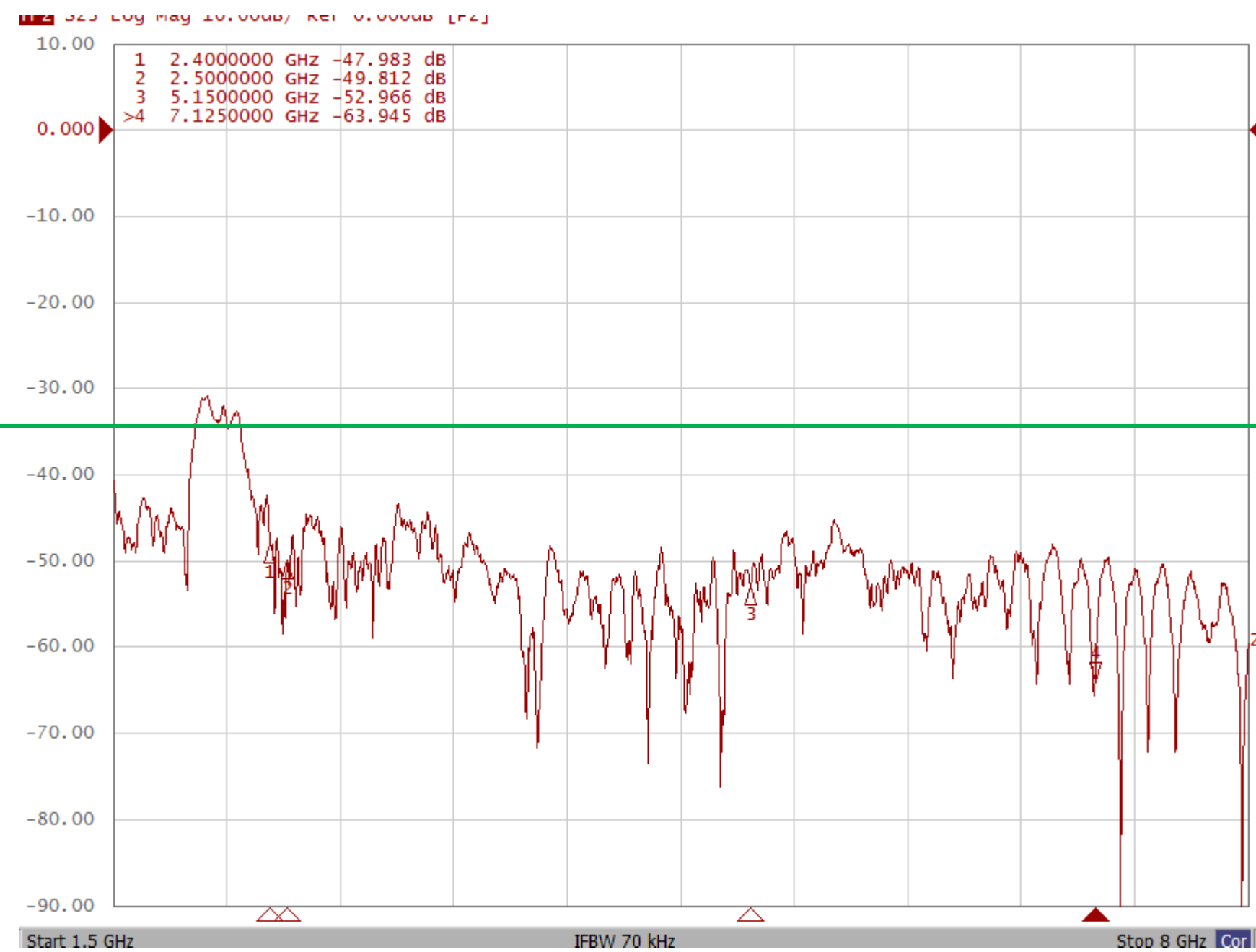
Spec: -20



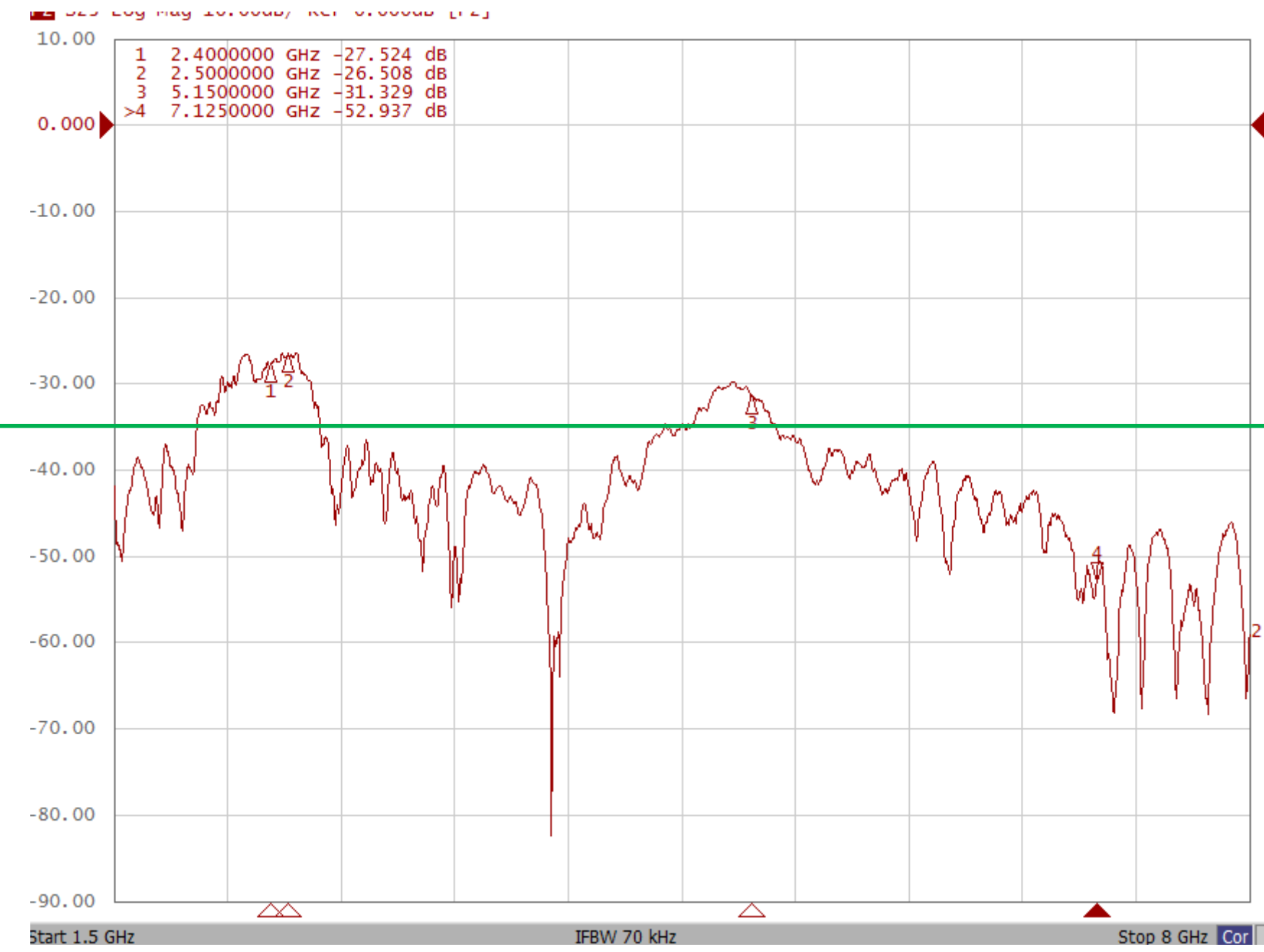
WiFi1 & WiFi2

The isolation can almost meet the spec.

Spec:-35



WIFI1 & BT



WIFI2 & BT

The isolation of WIFI2&BT cannot almost meet the spec.

- The performance of antenna can almost meet the spec. after fine-tune.
- Isolation of WIFI2&BT need further fine-tune.
- Efficiency of BT antenna for 5/6GHz band cannot meet the spec. if we use it for WIFI antenna.

THANK YOU!