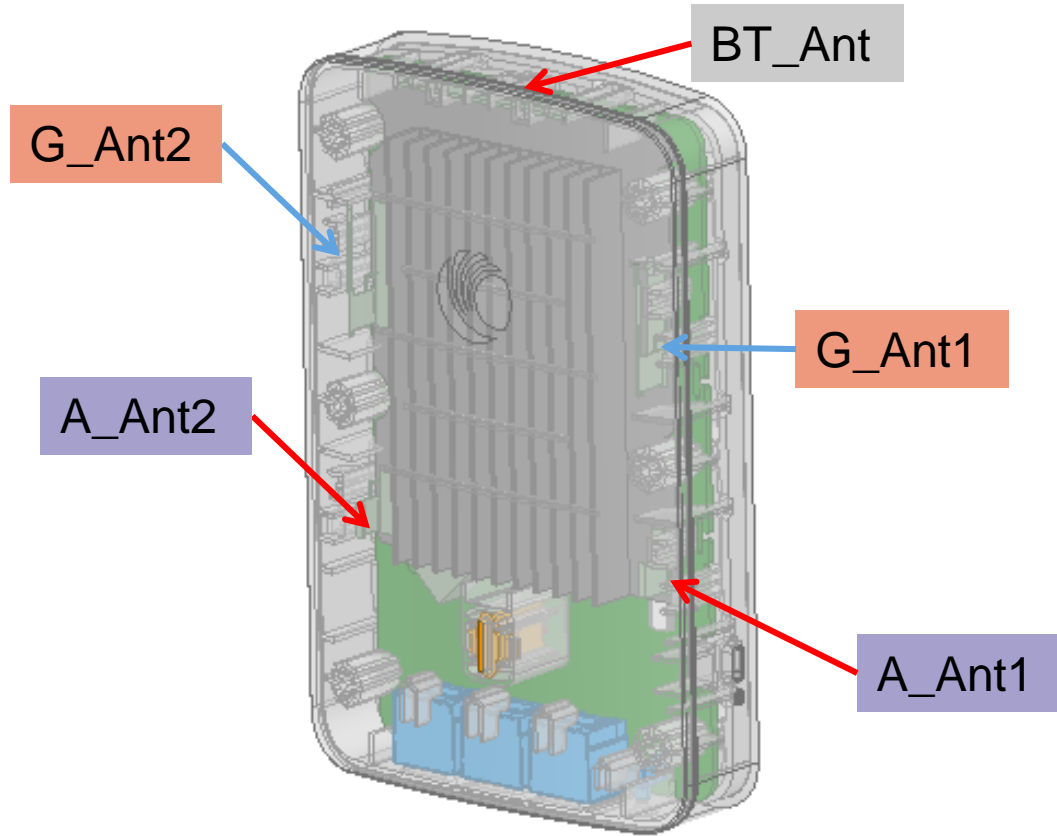


Cambium XV2-22H Antenna Test Report Vt01

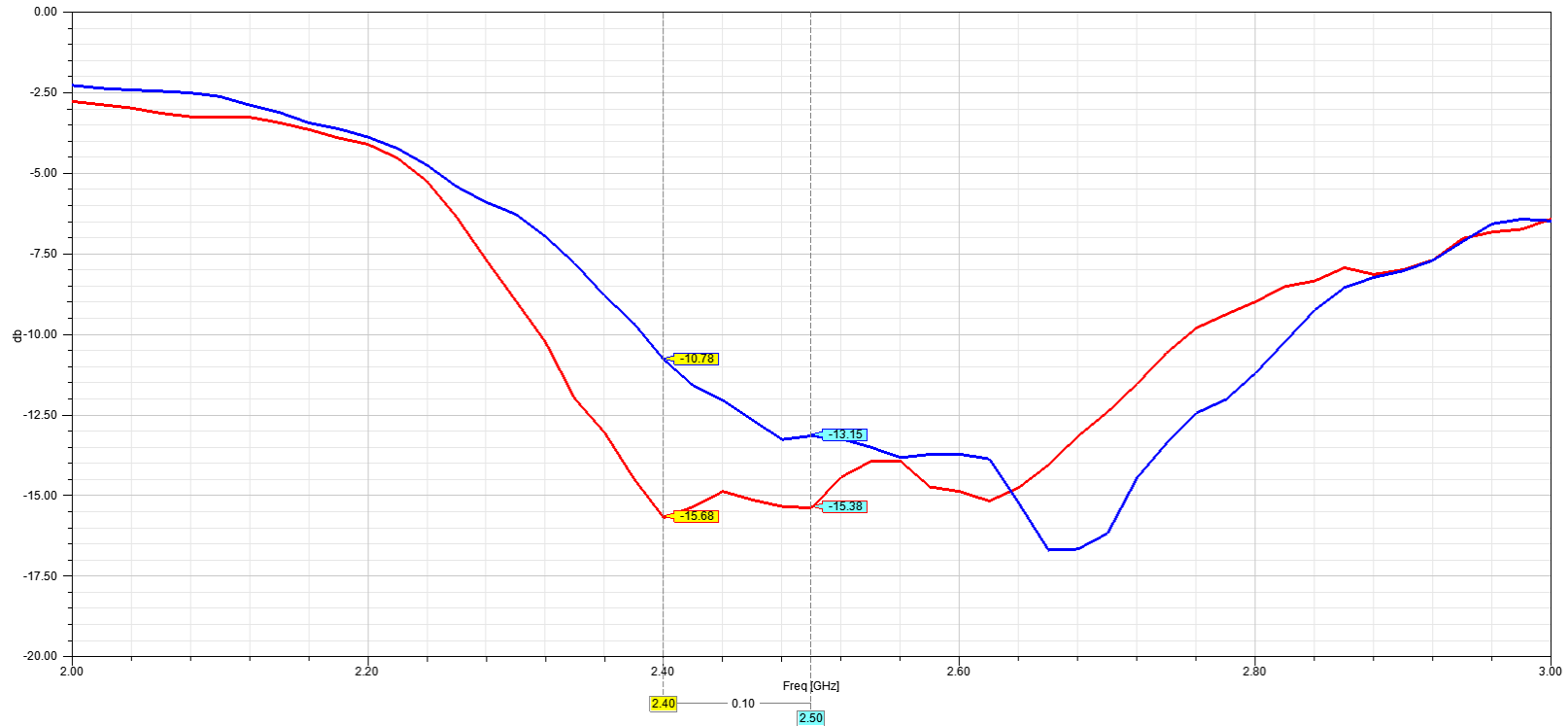


Antenna Team
August 8, 2022

Antenna Set Definition

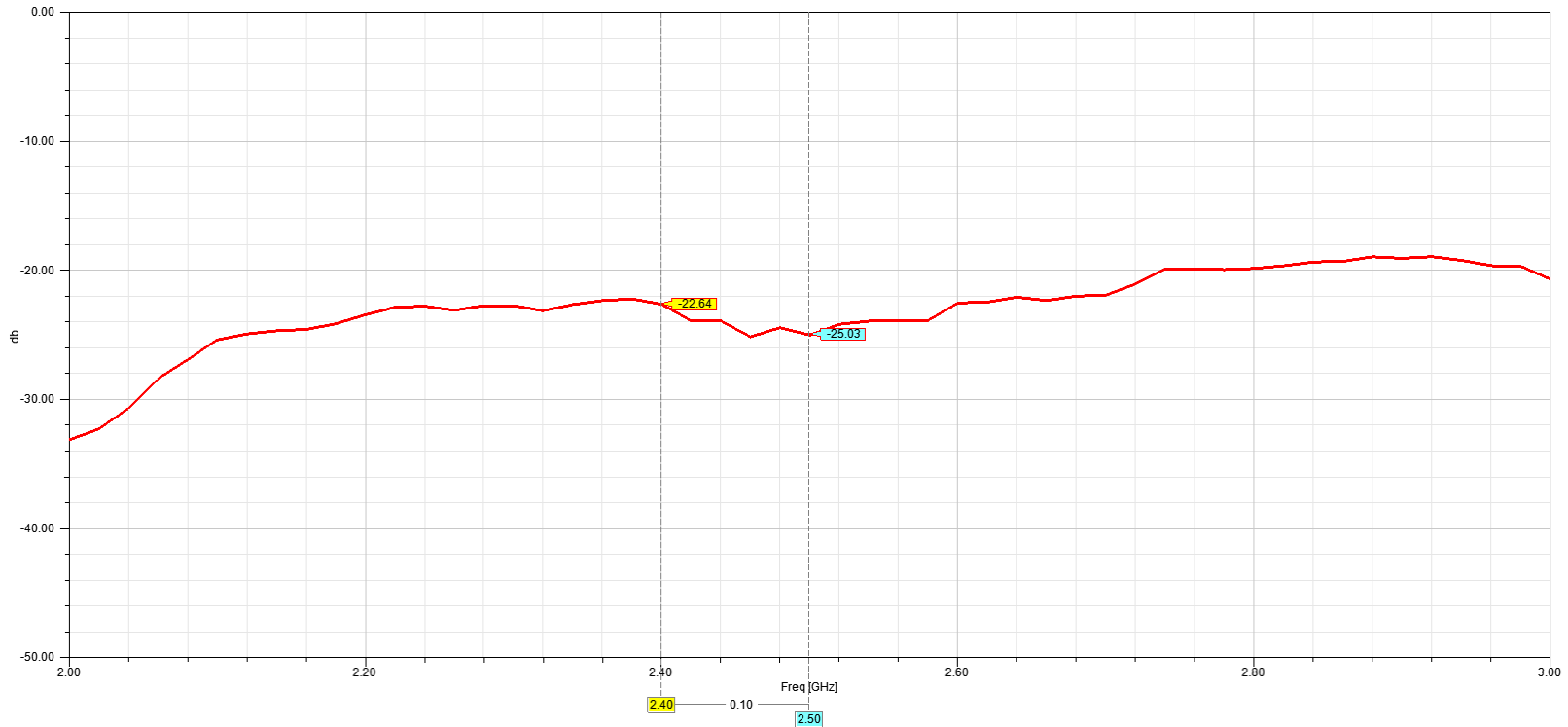


G Band Antenna Return Loss



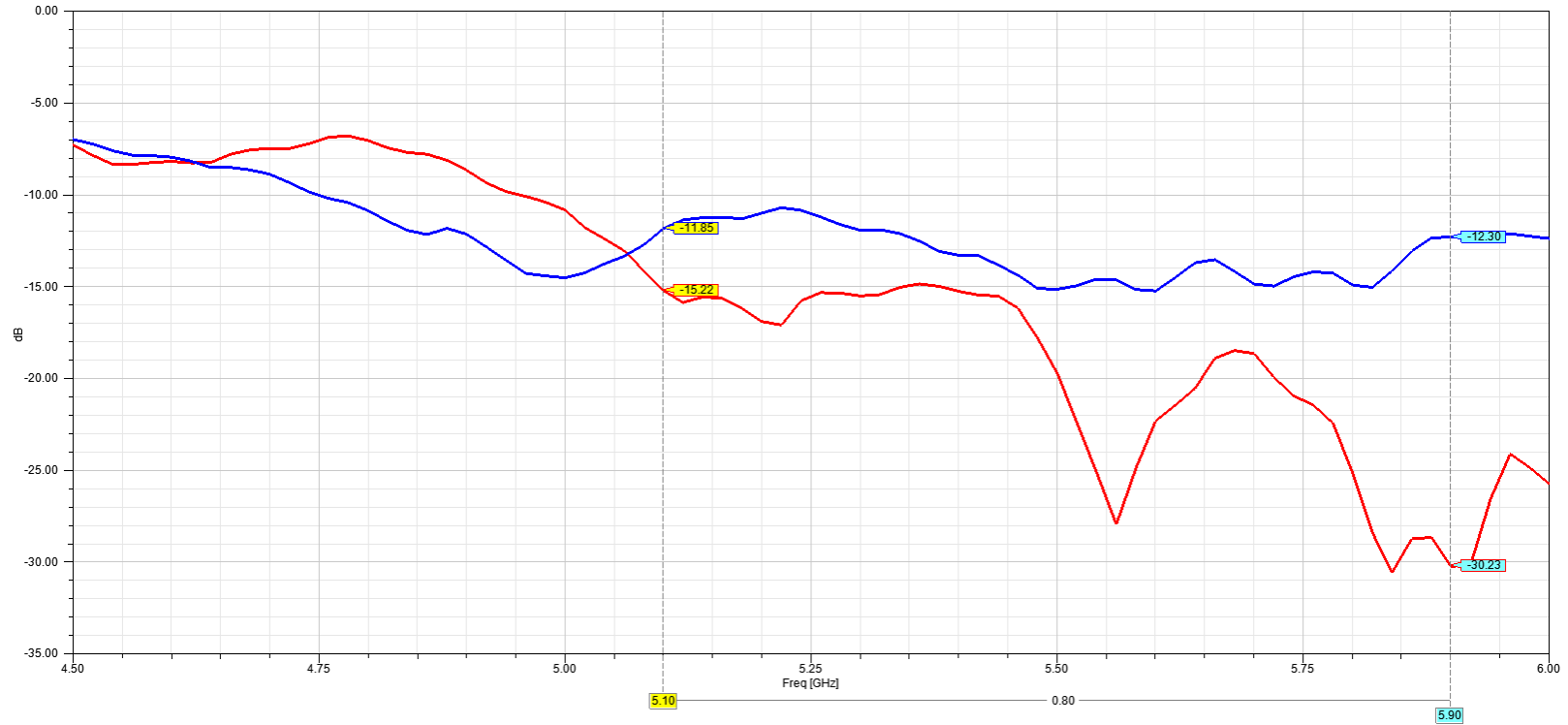
— G_Ant1
— G_Ant2

G Band Antenna Isolation



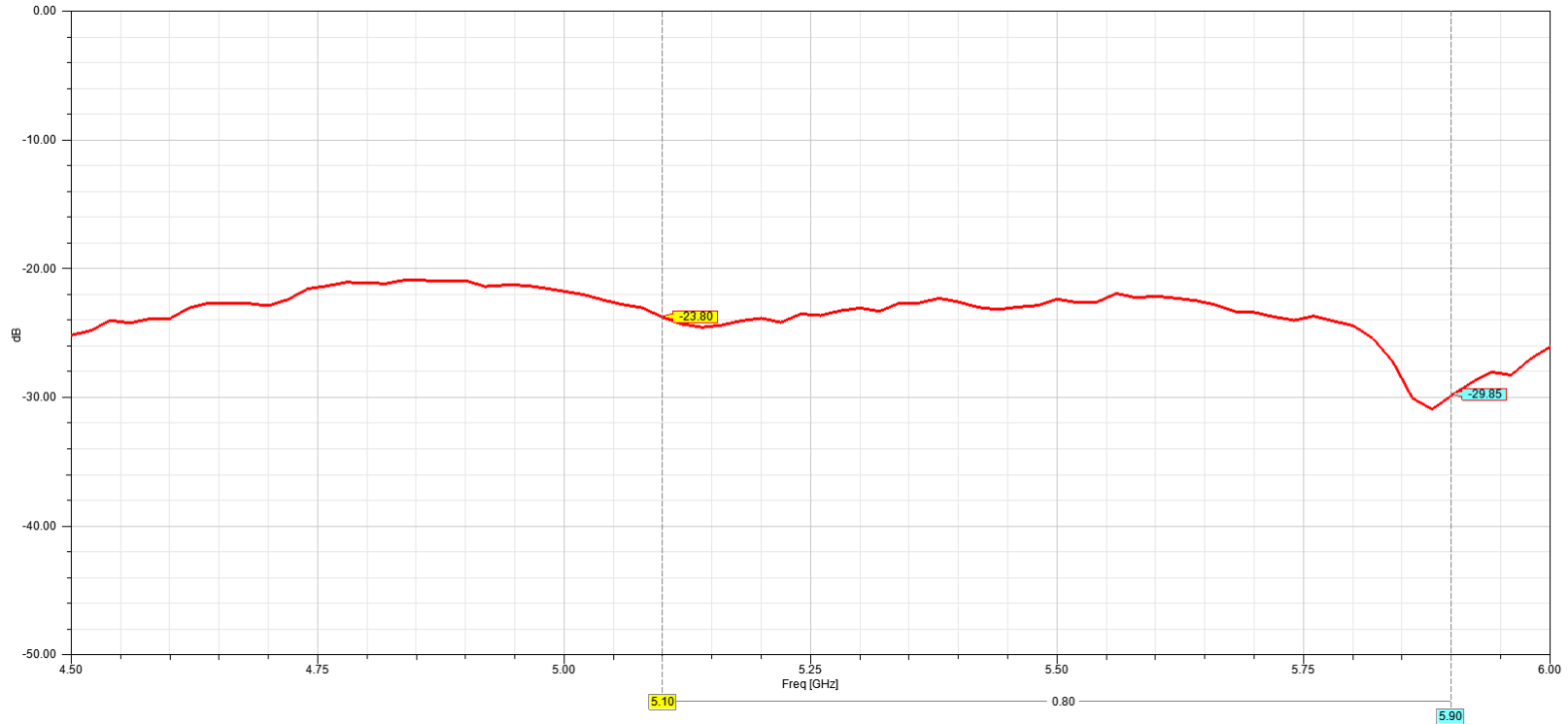
— G_Ant1 & G_Ant2

A Band Antenna Return Loss



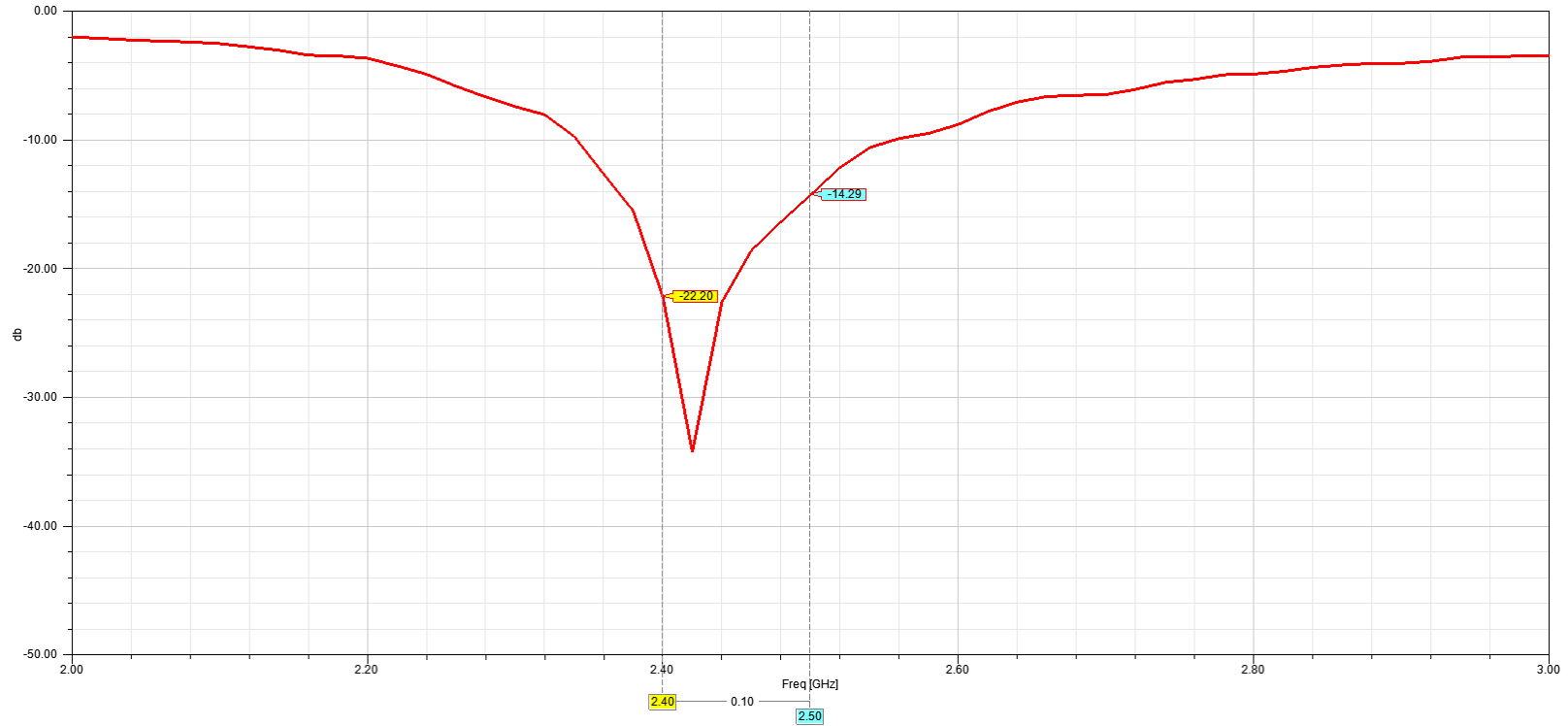
— A_Ant1
— A_Ant2

A Band Antenna Isolation

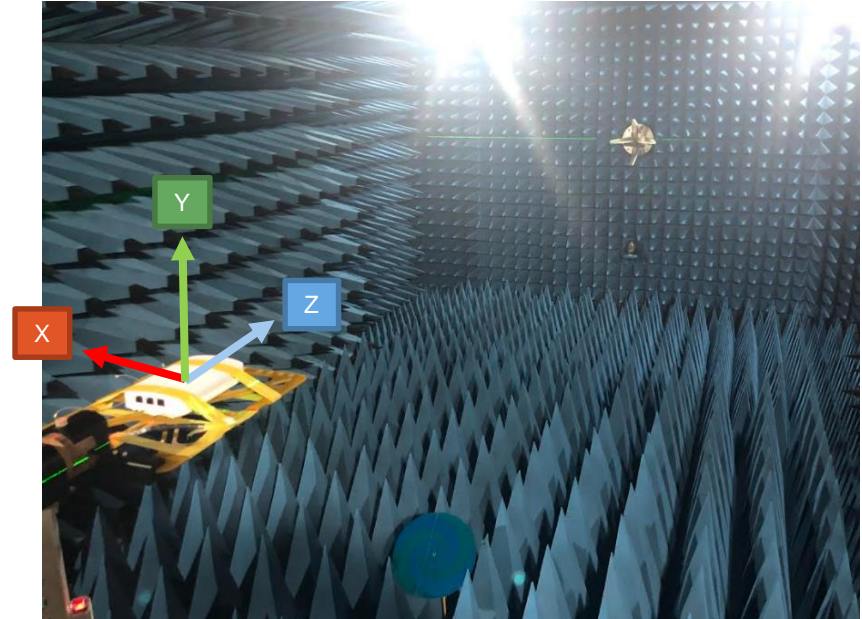
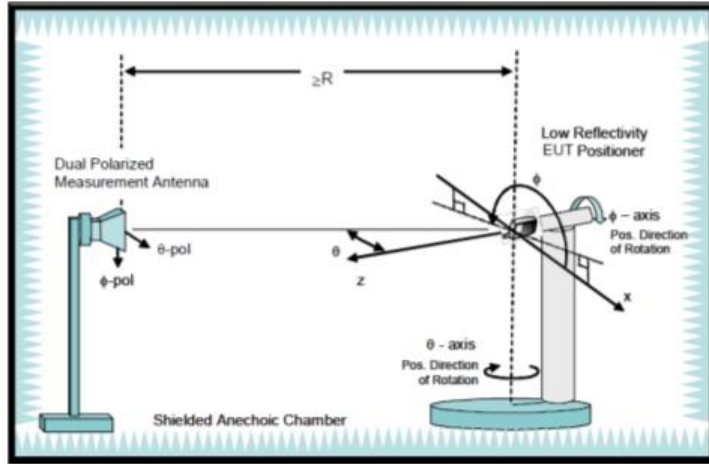


— A_Ant1 & A_Ant2

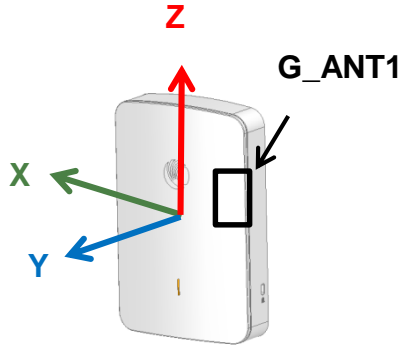
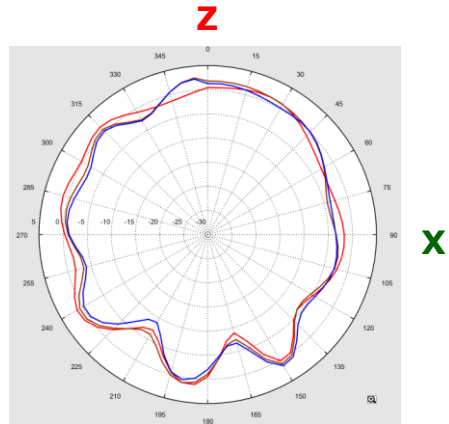
BT Antenna Return Loss



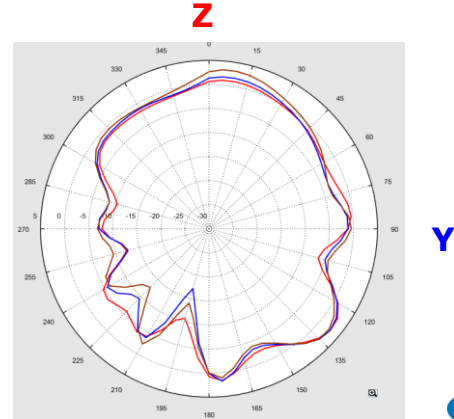
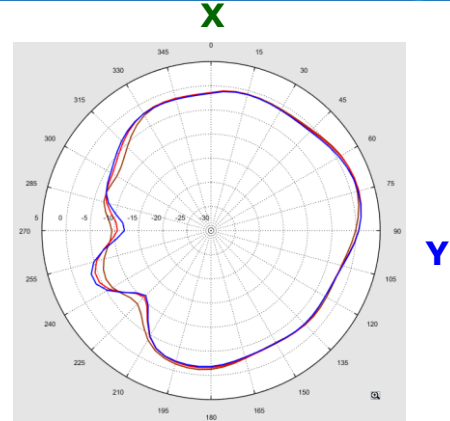
Antenna Coordinate System Definition



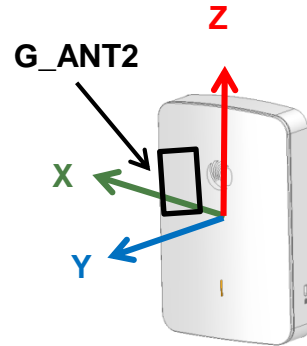
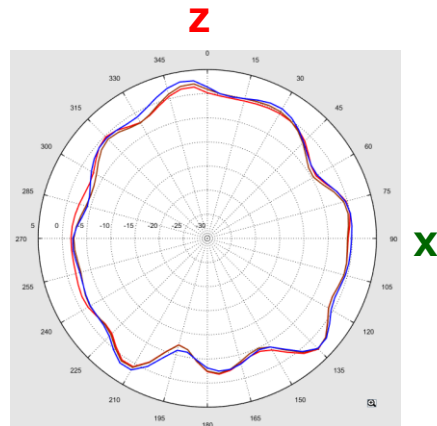
G_ANT1 GainTotal (dBi) Pattern



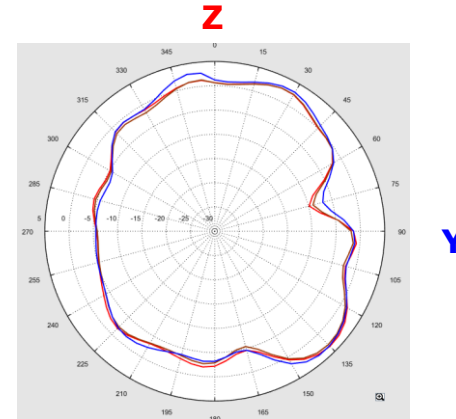
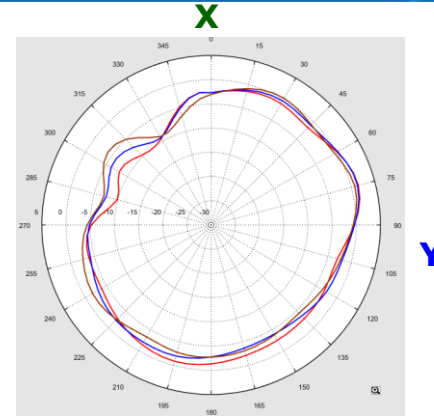
2400MHz ———
2450MHz ———
2500MHz ———



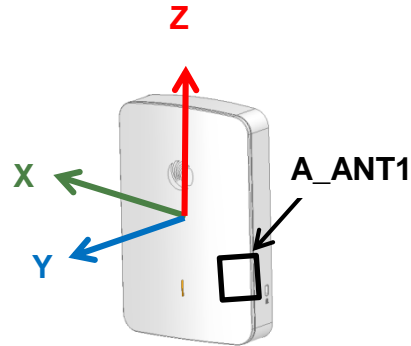
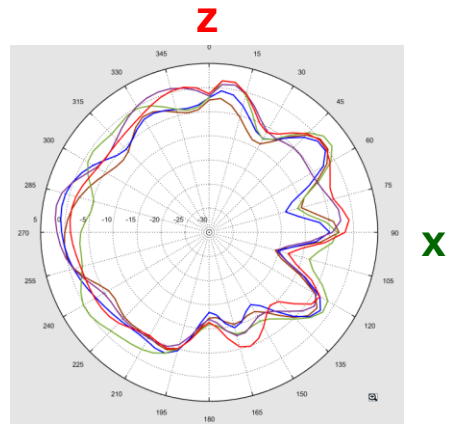
G_ANT2 GainTotal (dBi) Pattern



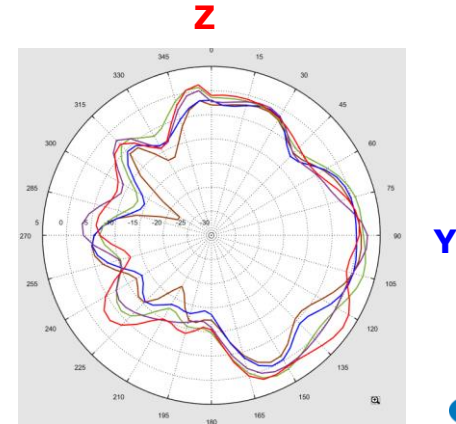
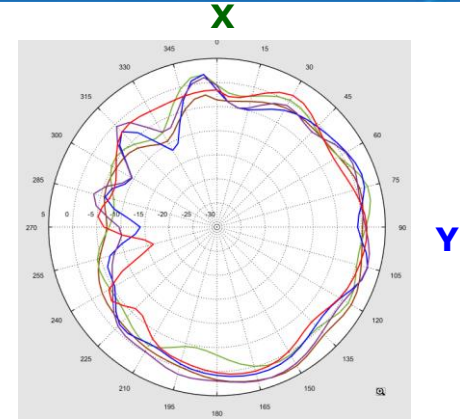
2400MHz ———
2450MHz ———
2500MHz ———



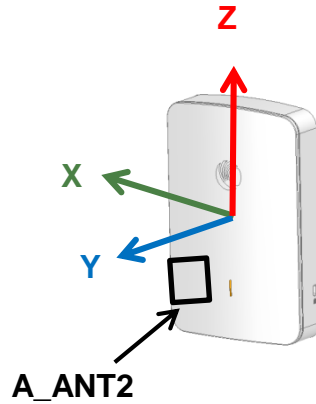
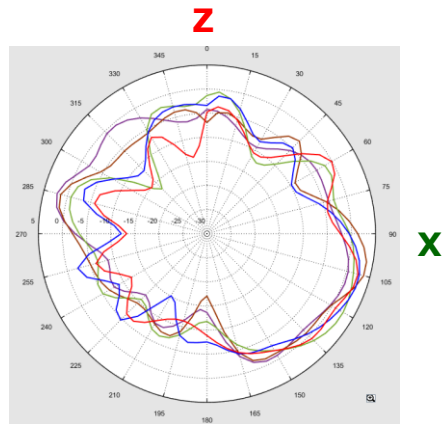
A_ANT1 GainTotal (dBi) Pattern



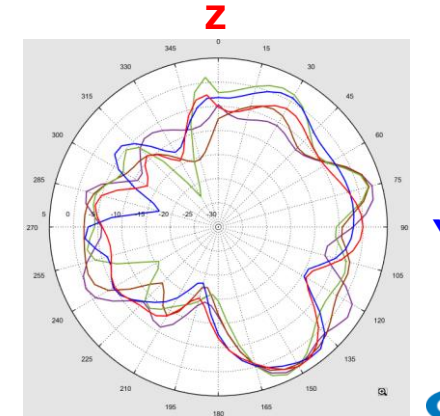
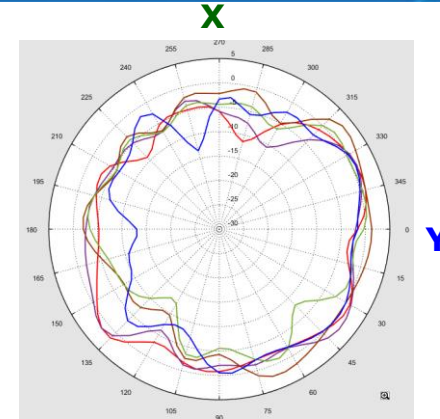
- 5100MHz
- 5300MHz
- 5500MHz
- 5700MHz
- 5900MHz



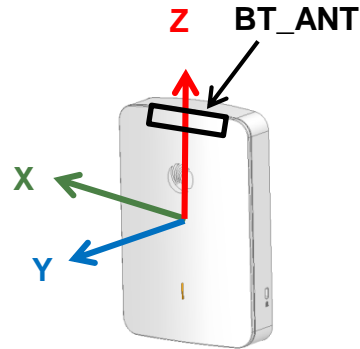
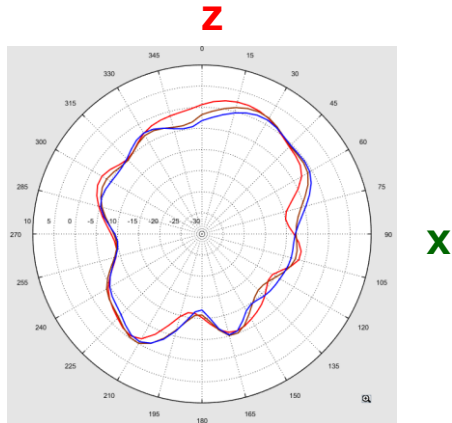
A_ANT2 GainTotal (dBi) Pattern



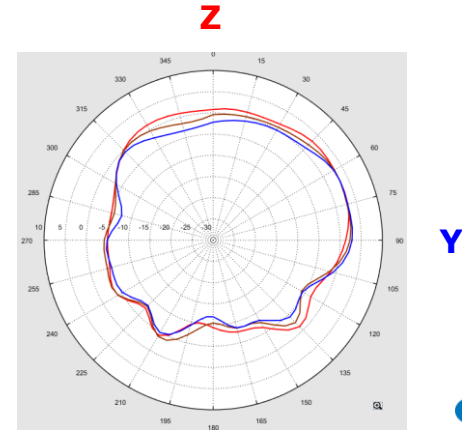
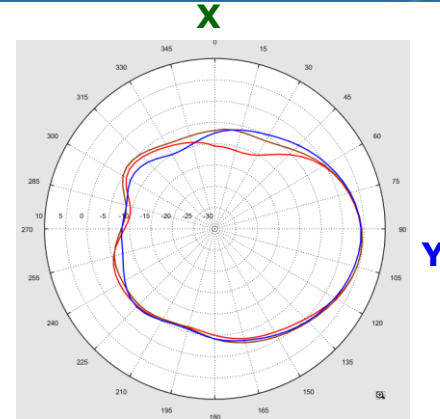
- 5100MHz —
- 5300MHz —
- 5500MHz —
- 5700MHz —
- 5900MHz —



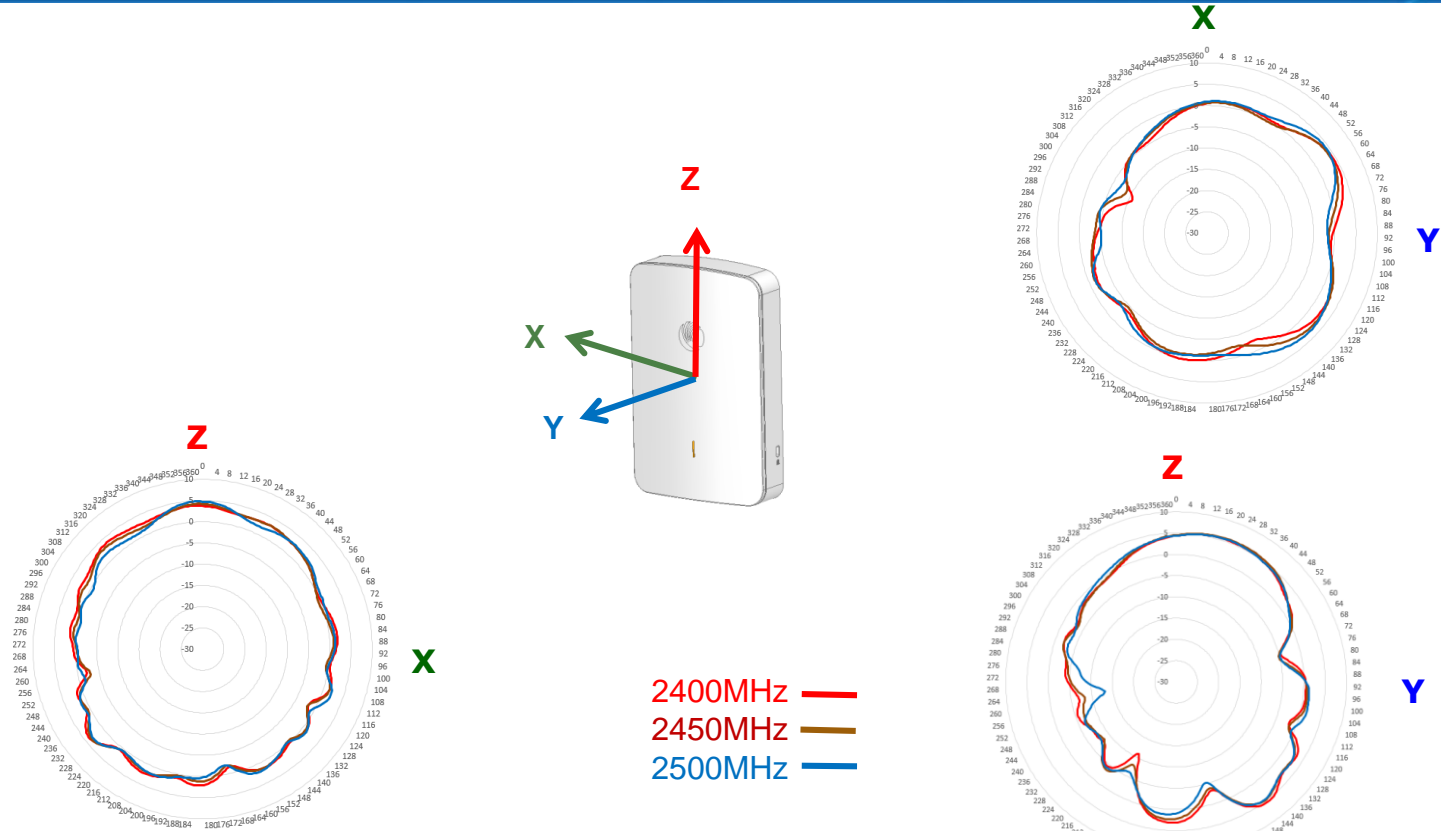
BT_ANT GainTotal (dBi) Pattern



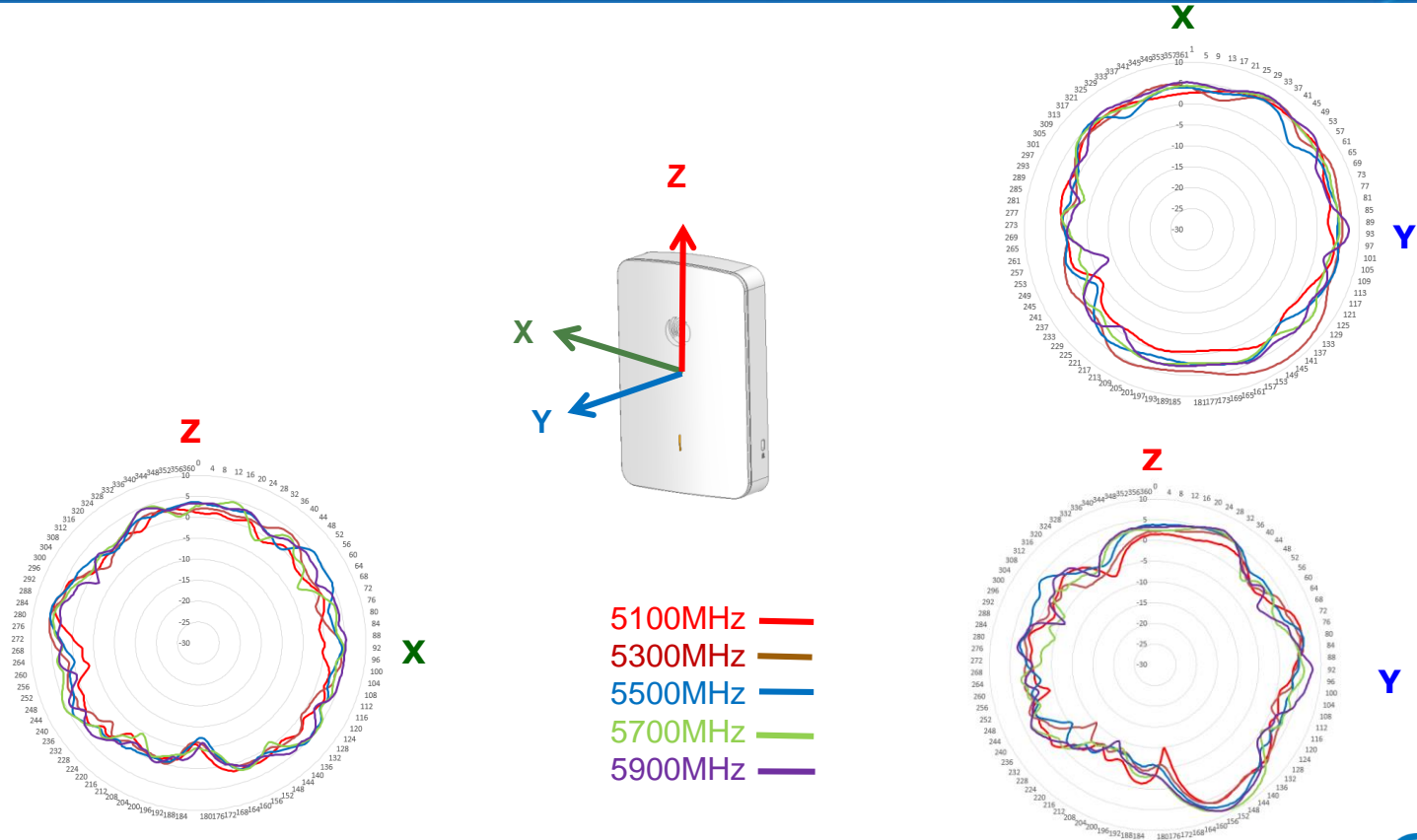
2400MHz ———
2450MHz ———
2500MHz ———



G_ANT Composite GainTotal (dBi) Pattern



A_ANT Composite GainTotal (dBi) Pattern



Antenna Efficiency & Peak Gain

WIFI G Band Antenna Efficiency (%)			
Frequency (MHz)	2400	2450	2500
G_ANT1	71.13	71.09	70.56
G_ANT2	68.79	71.72	71.3
BT	70.45	72.27	68.21

WIFI G Band Antenna Peak Gain (dBi)			
Frequency (MHz)	2400	2450	2500
G_ANT1	4.33	4.47	4.39
G_ANT2	4.03	4.37	4.42
BT	4.82	5.18	4.94

*Note. The antenna gain includes the cable loss.

Antenna Efficiency & Peak Gain

WIFI A Band Antenna Efficiency (%)

Frequency (MHz)	5100	5300	5500	5700	5900
A_ANT1	70.23	72.81	72.61	70.29	68.09
A_ANT2	69.38	70.39	71.38	69.7	68.12

WIFI A Band Antenna Peak Gain(dBi)

Frequency (MHz)	5100	5300	5500	5700	5900
A_ANT1	5.56	5.51	5.45	5.53	5.48
A_ANT2	5.45	5.52	5.41	5.48	5.51

*Note. The antenna gain includes the cable loss.