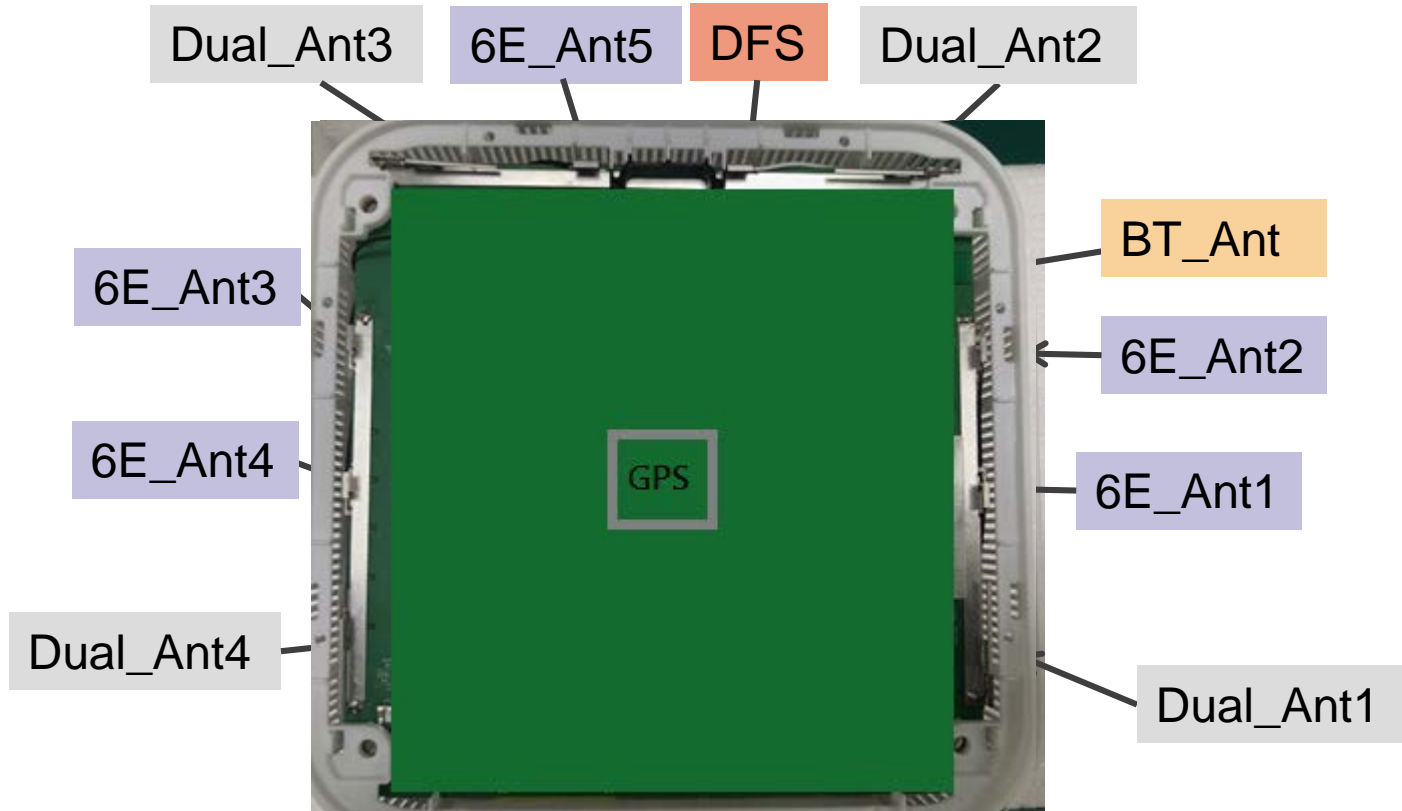


W1700K Antenna Test Report



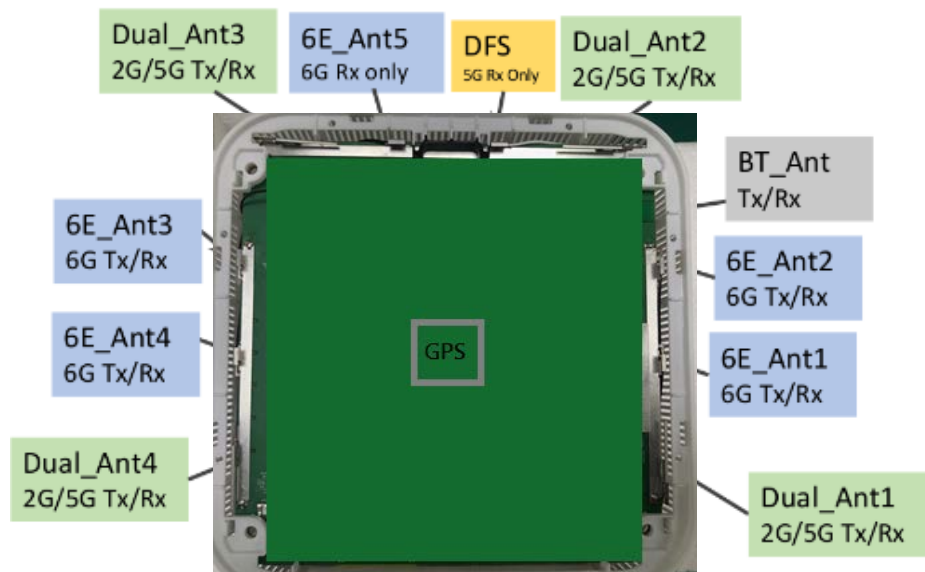
2023/09/08

Antenna Set Definition



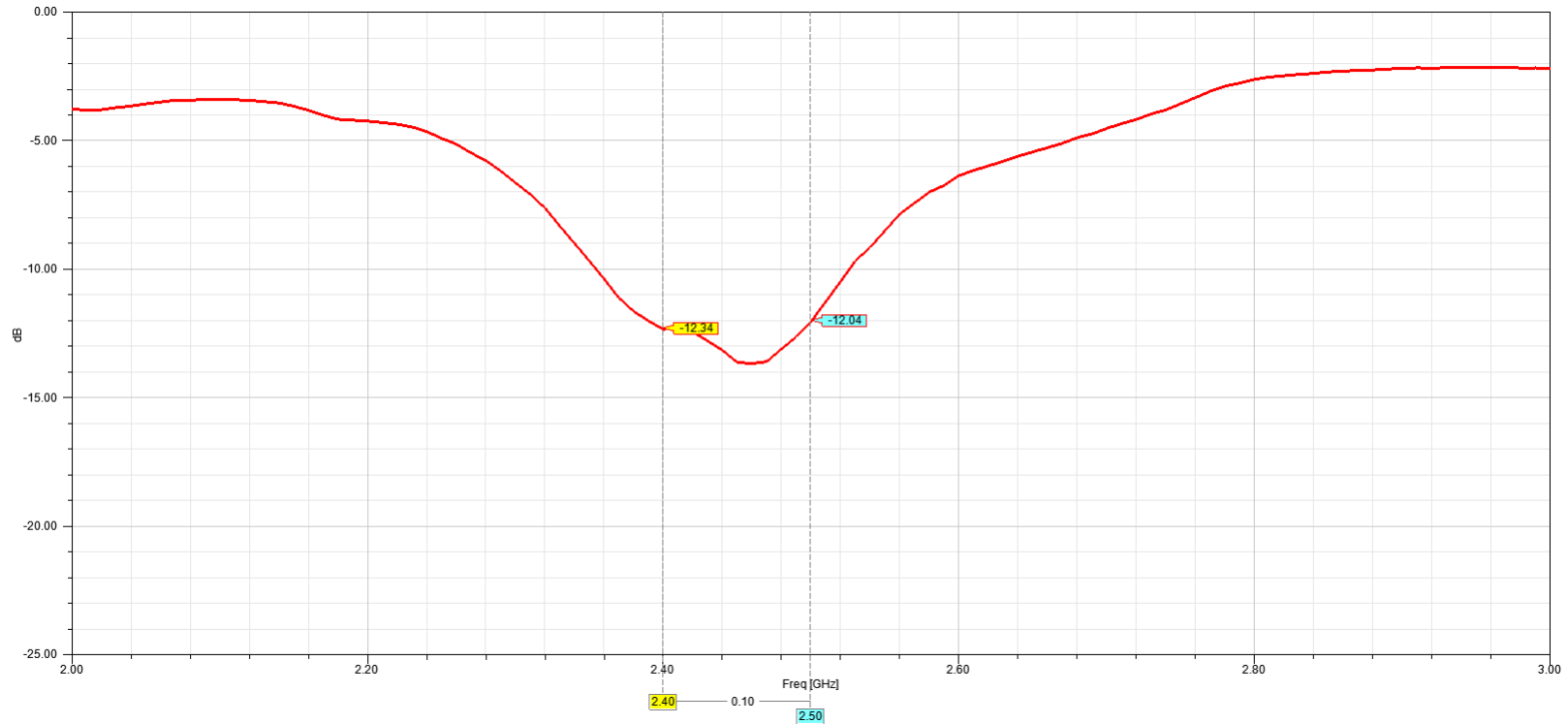
Antenna Set Definition

Antenna Set Definition

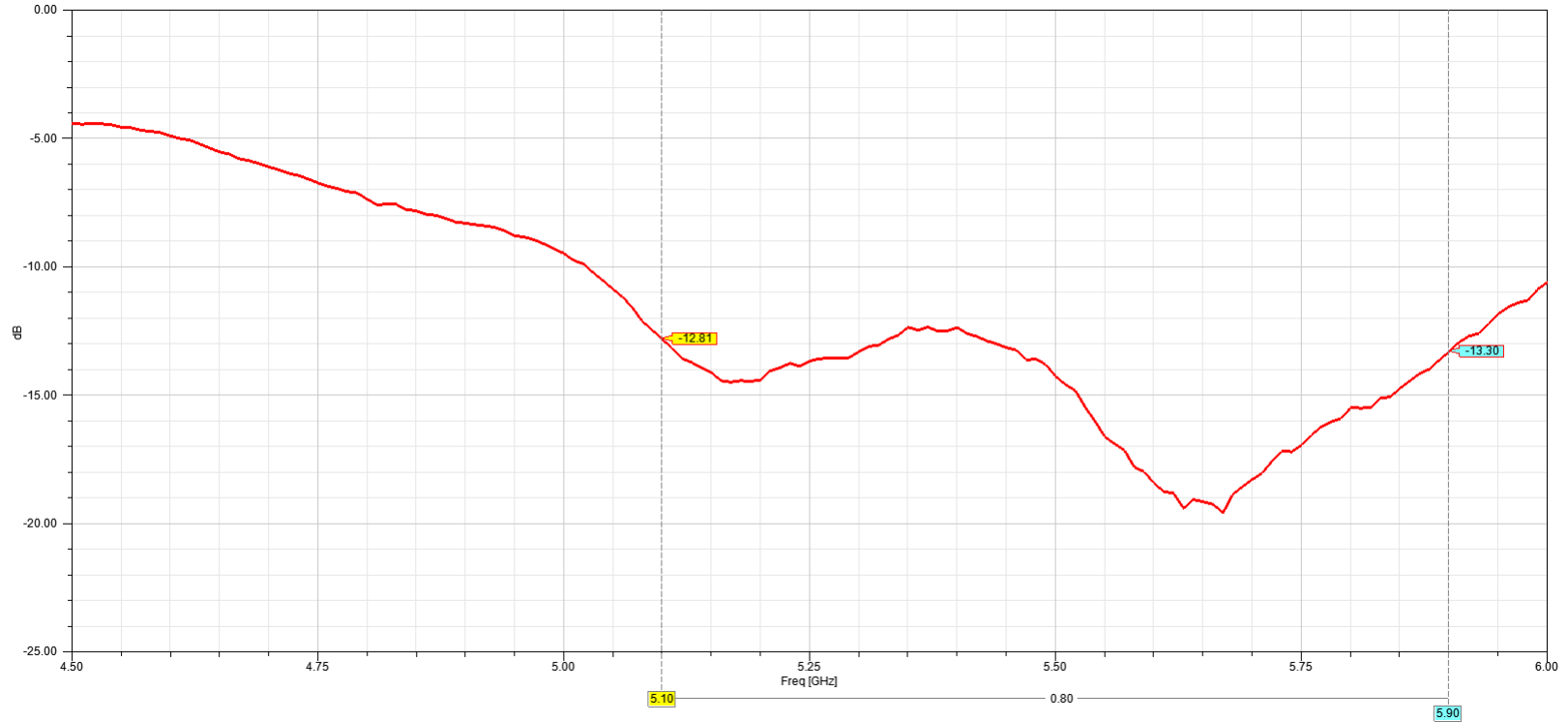


Ant No	Tx-Rx	Type	Connector	Support Band
BT	2.4G 1Tx-1Rx	PIFA	UFL	2.4GHz
Dual_Ant1	2.4G/5G 4Tx-4Rx	PIFA	UFL	2.4GHz/5GHz
Dual_Ant2		PIFA	UFL	2.4GHz/5GHz
Dual_Ant3		PIFA	UFL	2.4GHz/5GHz
Dual_Ant4		PIFA	UFL	2.4GHz/5GHz
6E_Ant1	6G 4Tx-5Rx	PIFA	UFL	6GHz
6E_Ant2		PIFA	UFL	6GHz
6E_Ant3		PIFA	UFL	6GHz
6E_Ant4		PIFA	UFL	6GHz
6E_Ant5		PIFA	UFL	6GHz Rx only
DFS	5G Rx	PIFA	UFL	5GHz Rx only
GPS	GPS Rx	Patch	UFL	1575.42MHz

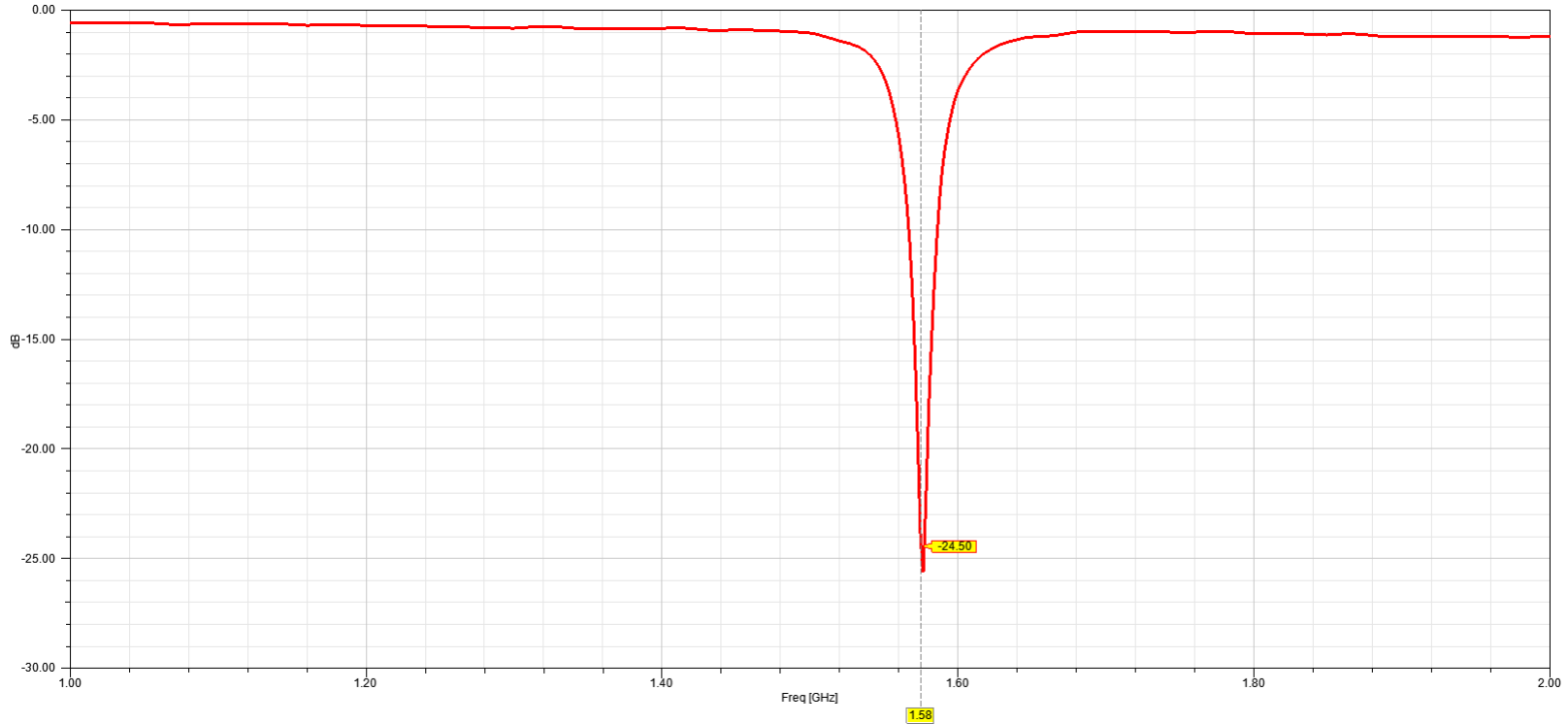
BT Antenna Return Loss



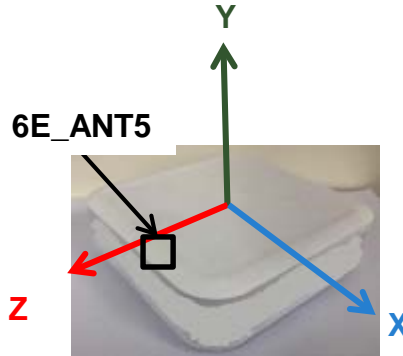
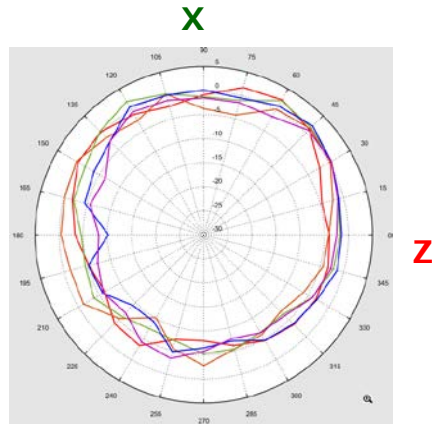
DFS Antenna Return Loss



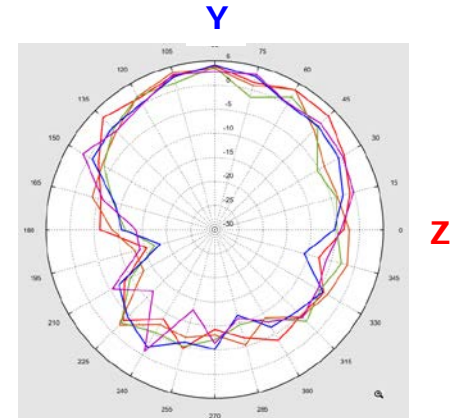
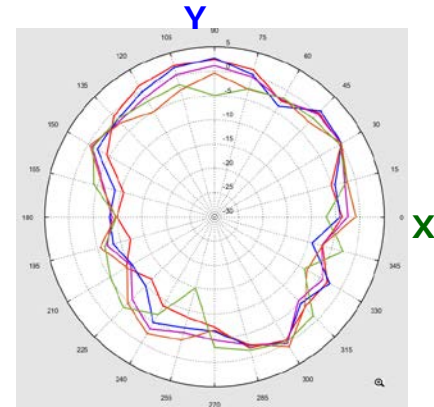
GPS Antenna Return Loss



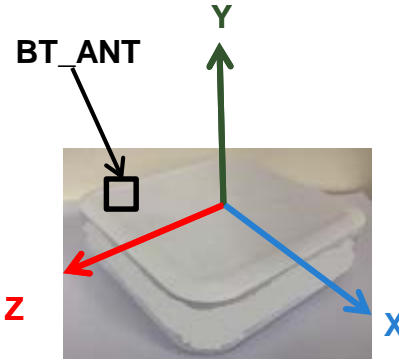
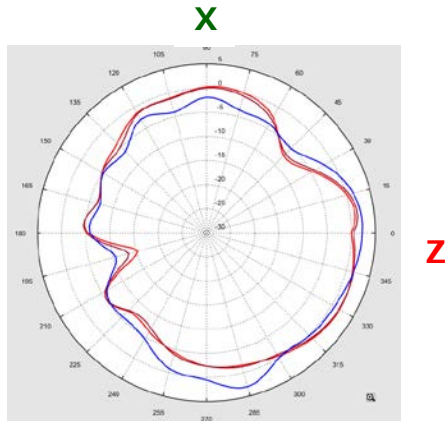
6E_ANT5 GainTotal (dBi) Pattern



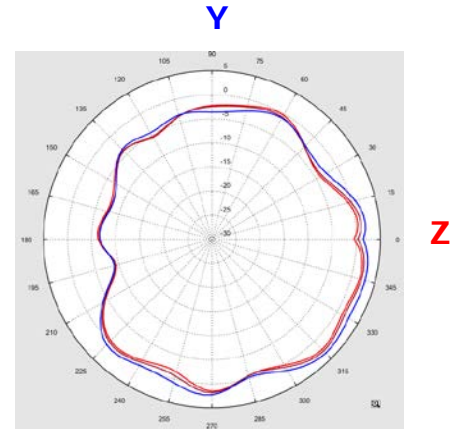
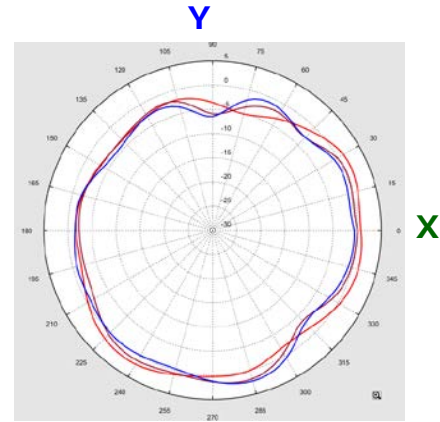
- 5900MHz —
- 6200MHz —
- 6500MHz —
- 6800MHz —
- 7100MHz —



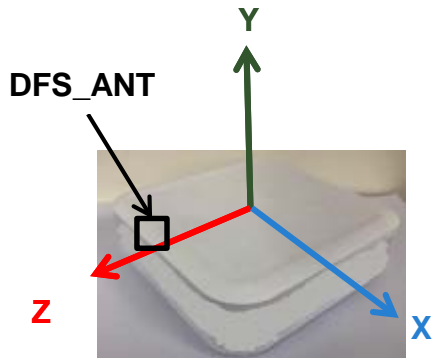
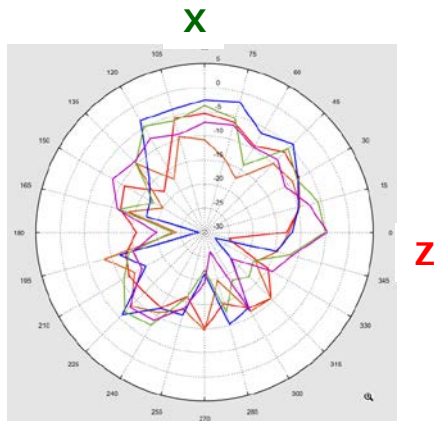
BT_ANT GainTotal (dBi) Pattern



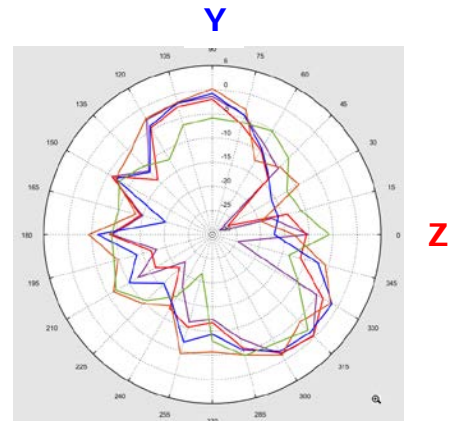
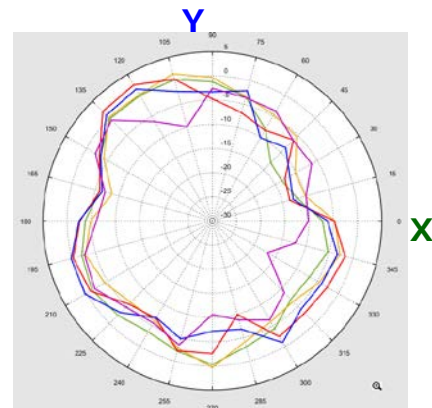
2400MHz ———
2450MHz ———
2500MHz ———



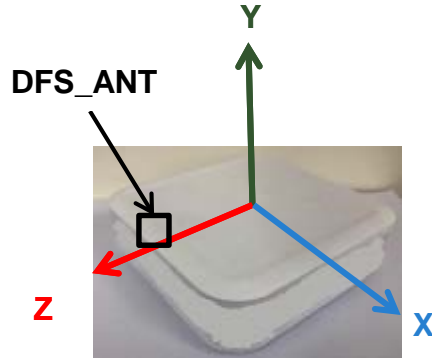
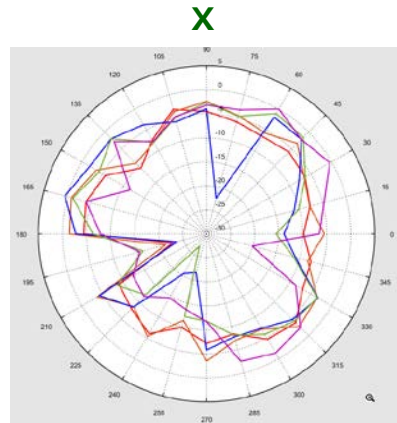
DFS_ANT Gain (dBi) Pattern (Vertical Polarization)



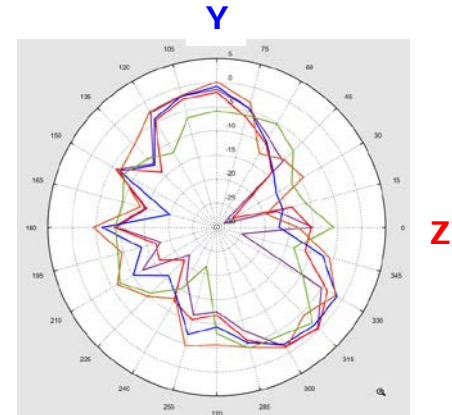
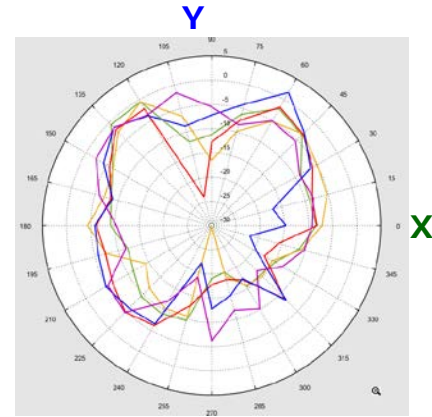
- 5100MHz —
- 5300MHz —
- 5500MHz —
- 5700MHz —
- 5900MHz —



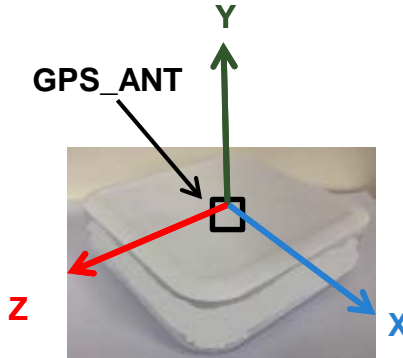
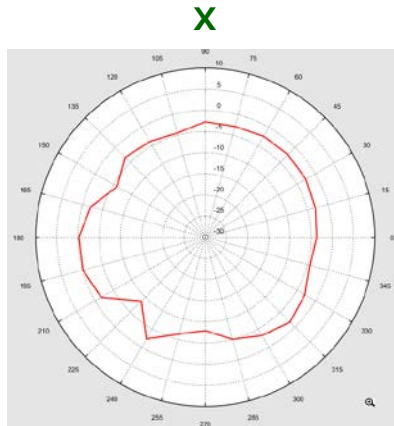
DFS_ANT Gain (dBi) Pattern (Horizontal Polarization)



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

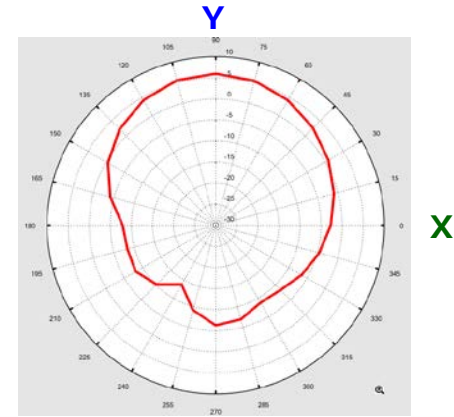


GPS_ANT GainTotal (dBi) Pattern

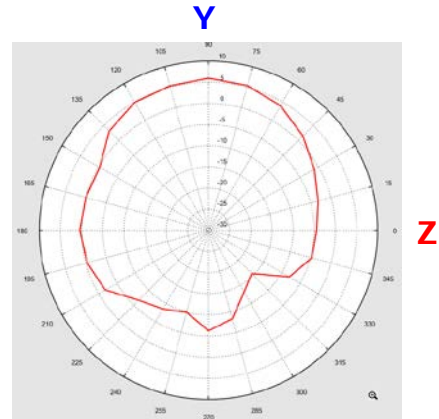


Z

1575MHz



X



Z

BT Antenna Efficiency & Peak Gain

WIFI G Band Antenna Efficiency (%)			
Frequency (MHz)	2400	2450	2500
BT_ANT	70.45	72.27	71.21

WIFI G Band Antenna Peak Gain (dB)			
Frequency (MHz)	2400	2450	2500
BT_ANT	2.82	2.88	2.94

DFS Antenna Efficiency & Peak Gain

WIFI A Band Antenna Efficiency (%)

Frequency (MHz)	5100	5300	5500	5700	5900
DFS	71.52	74.83	71.66	70.67	72.08

WIFI A Band Antenna Peak Gain (dB)

Frequency (MHz)	5100	5300	5500	5700	5900
DFS	4.03	4.05	4.29	4.38	4.48

6E-Ant5 Antenna Efficiency & Peak Gain

WIFI 6E Band Antenna Efficiency (%)

Frequency (MHz)	5900	6200	6500	6800	7100
6E_Ant5	73.1	72.1	71.52	71.38	73.58

WIFI 6E Band Antenna Peak Gain (dB)

Frequency (MHz)	5900	6200	6500	6800	7100
6E_Ant5	4.15	4.33	4.52	4.38	4.43