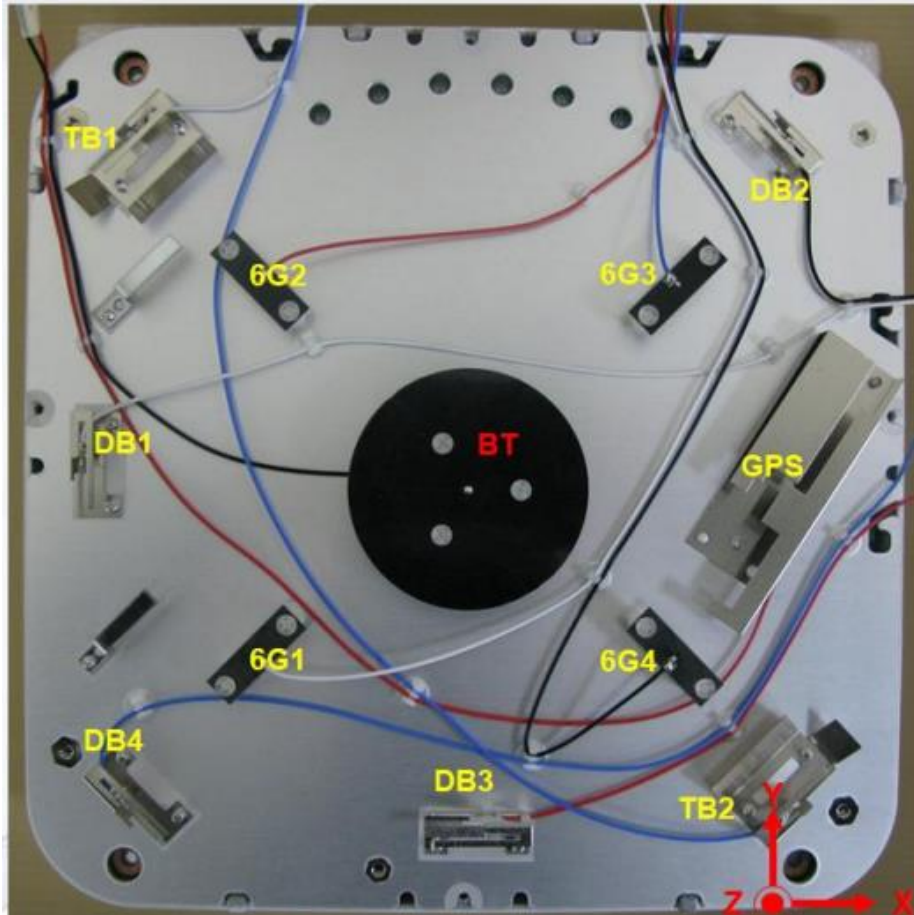


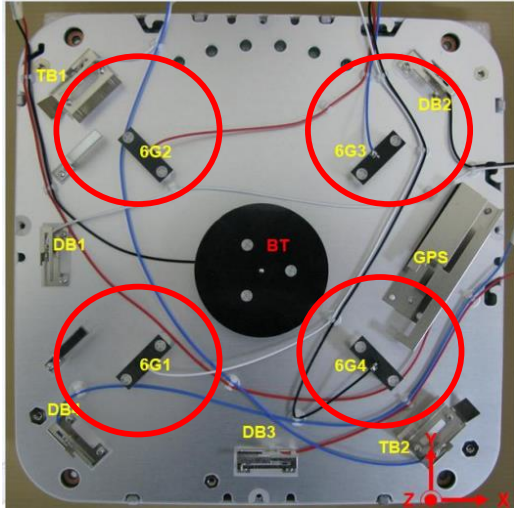


C460 DVT3 Antenna Test Report

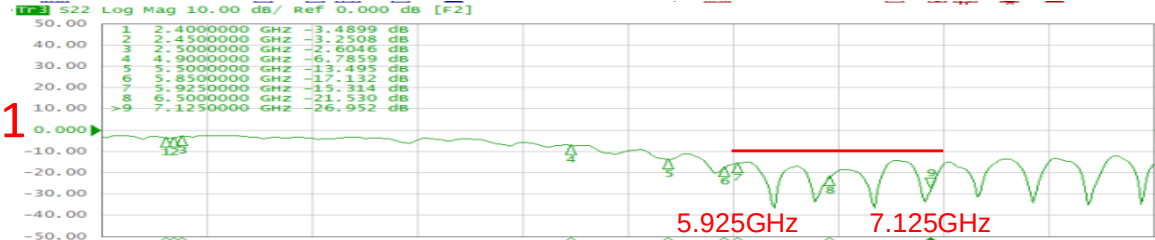
Vendor: WHAYU
P/N: C393-510253-A
GPS Antenna: PIFA
WiFi 6G Antenna : Dipole
WiFi 2/5G Antenna: PIFA
WiFi 2/5/6G Antenna: PIFA
BT Antenna: Dipole



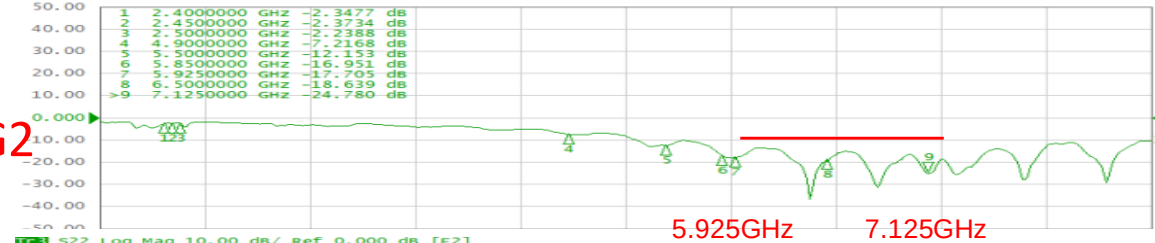
Antenna Return Loss _ Ant 6G1~4



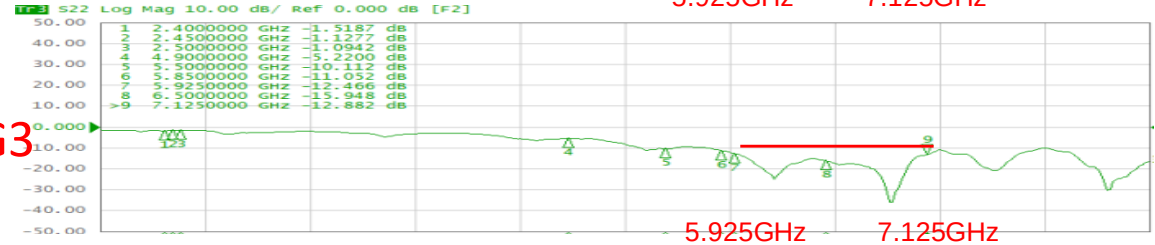
6G1



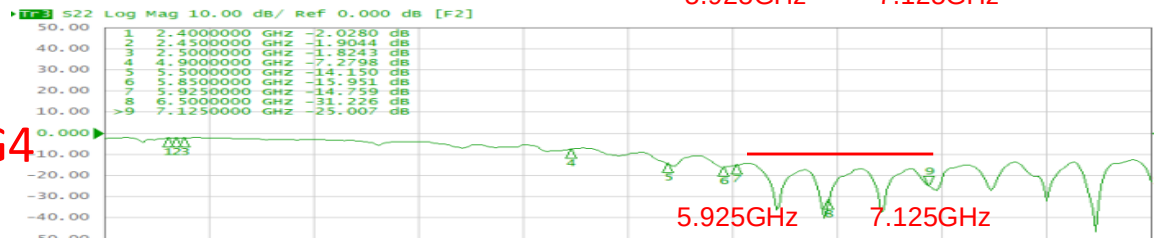
6G2



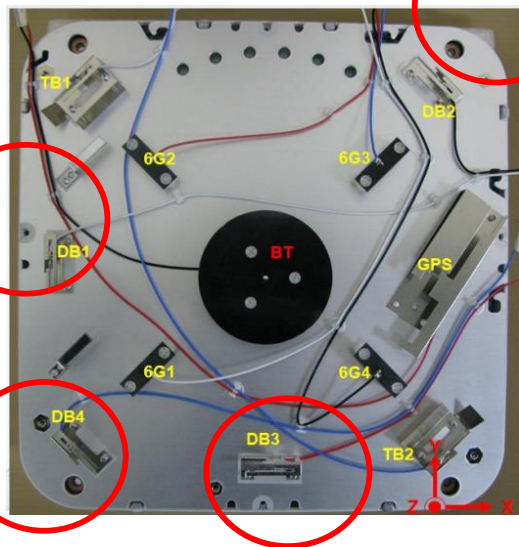
6G3



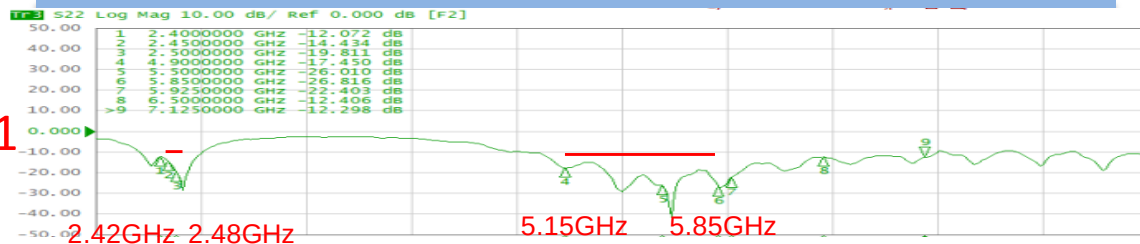
6G4



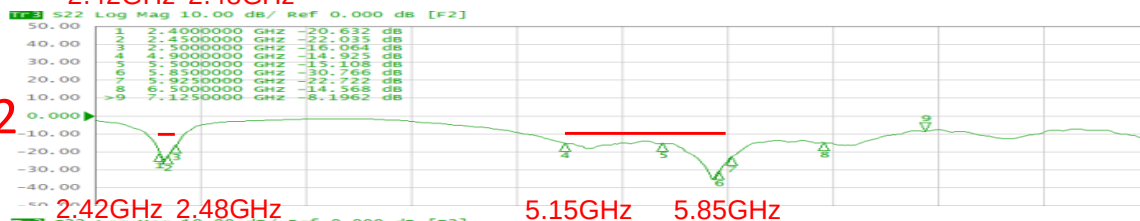
Antenna Return Loss _ Ant DB1~4



DB1



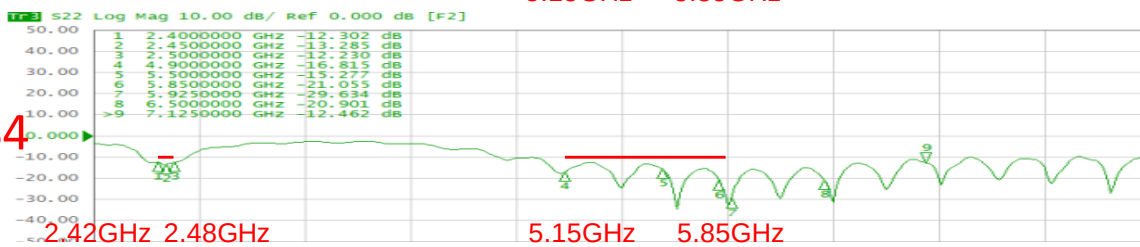
DB2



DB3

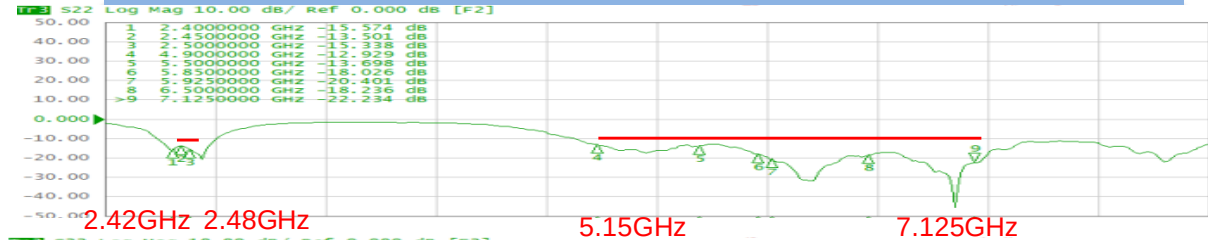


DB4

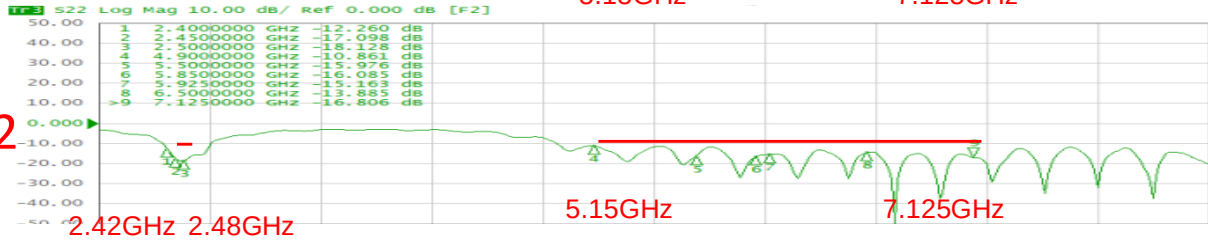


Antenna Return Loss _ Ant TB, BT & GPS

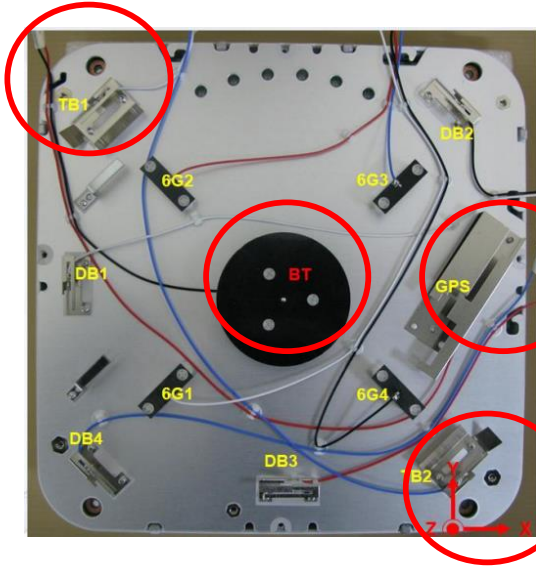
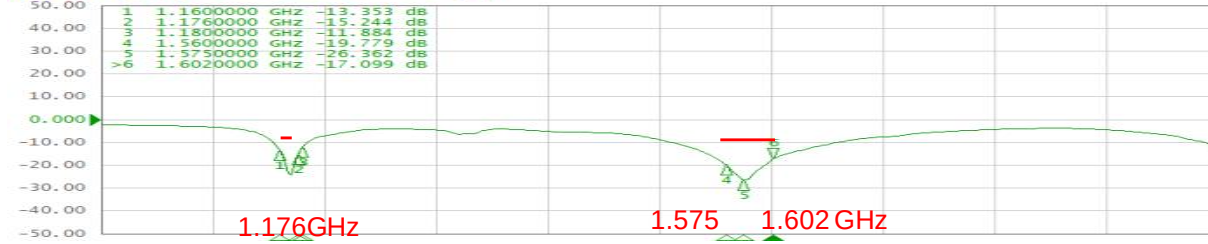
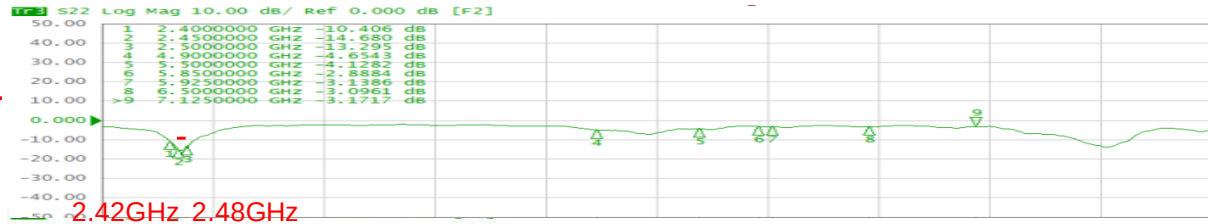
TB1

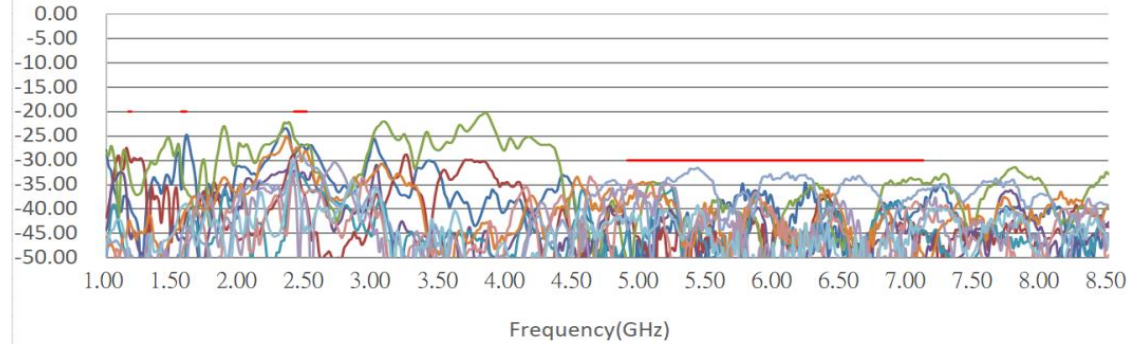
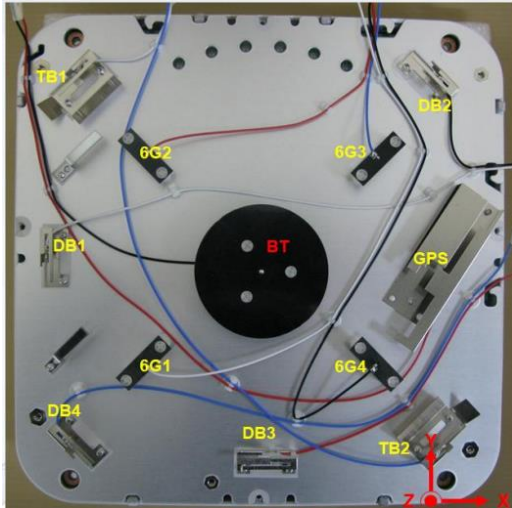


TB2

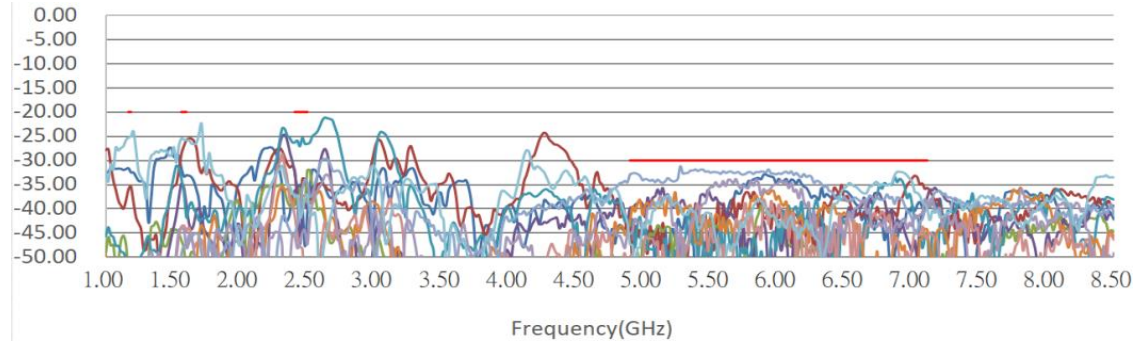


BT

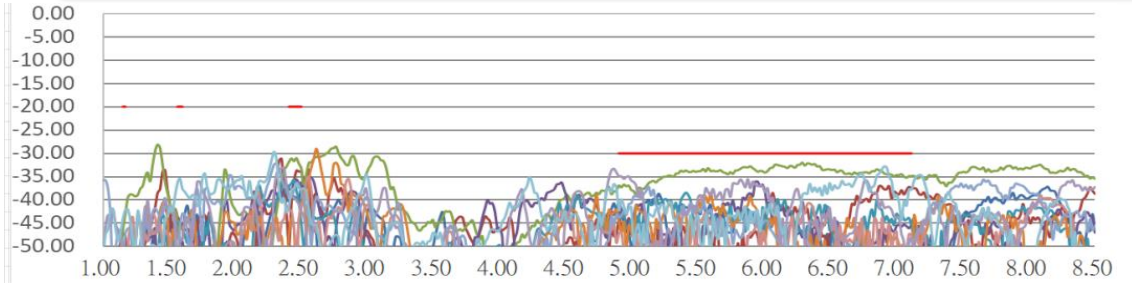
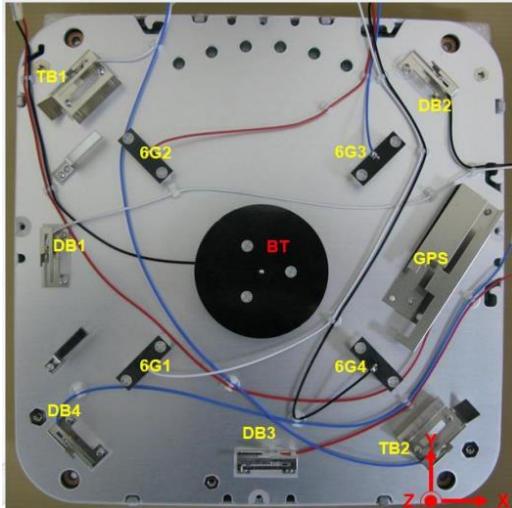




— 6G1 to 6G2 — 6G1 to 6G3 — 6G1 to 6G4 — 6G1 to BT — 6G1 to DB1 — 6G1 to DB2
 — 6G1 to DB3 — 6G1 to DB4 — 6G1 to TB1 — 6G1 to TB2 — Spec

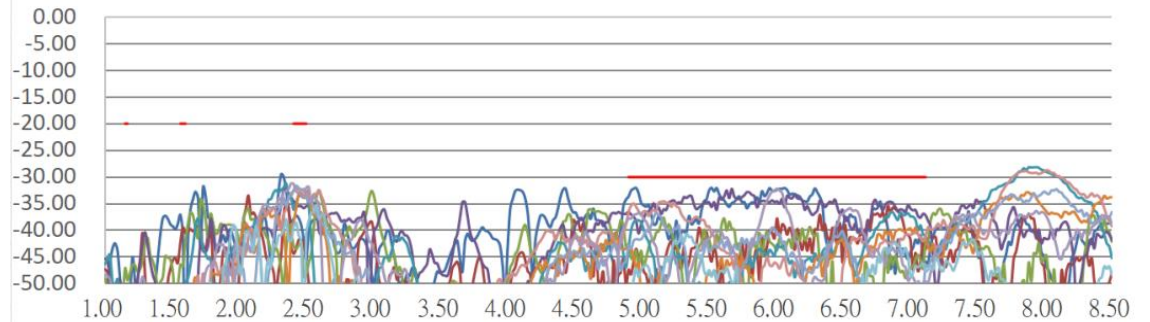


— 6G2 to 6G3 — 6G2 to 6G4 — 6G2 to BT — 6G2 to DB1 — 6G2 to DB2 — 6G2 to DB3
 — 6G2 to DB4 — 6G2 to TB1 — 6G2 to TB2 — 6G3 to 6G4 — Spec



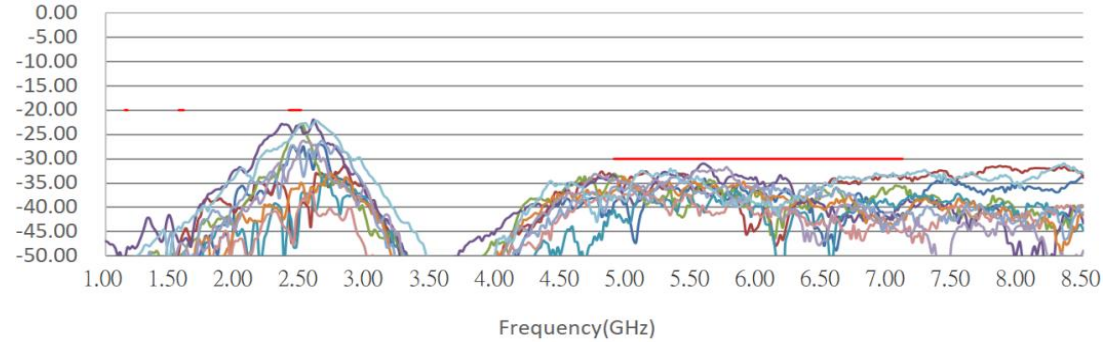
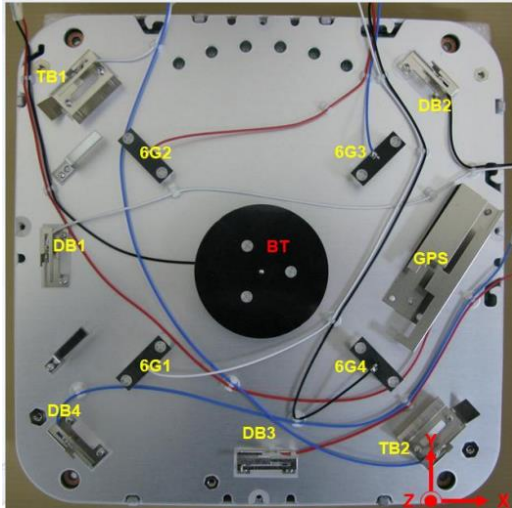
Frequency(GHz)

— 6G3 to BT — 6G3 to DB1 — 6G3 to DB2 — 6G3 to DB3 — 6G3 to DB4 — 6G3 to TB1
 — 6G3 to TB2 — 6G4 to BT — 6G4 to DB1 — 6G4 to DB2 — Spec

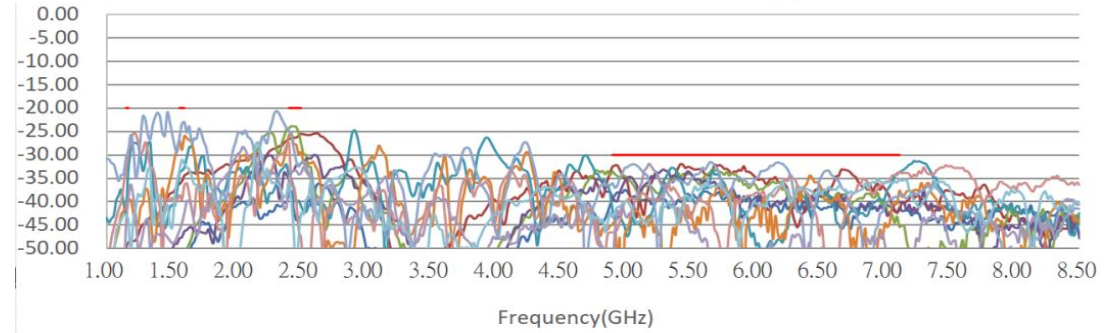


Frequency(GHz)

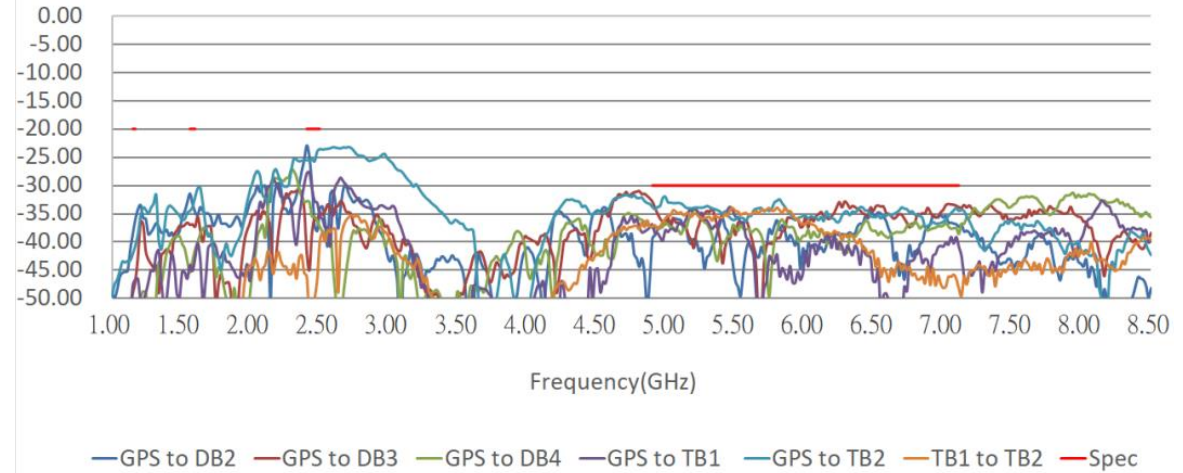
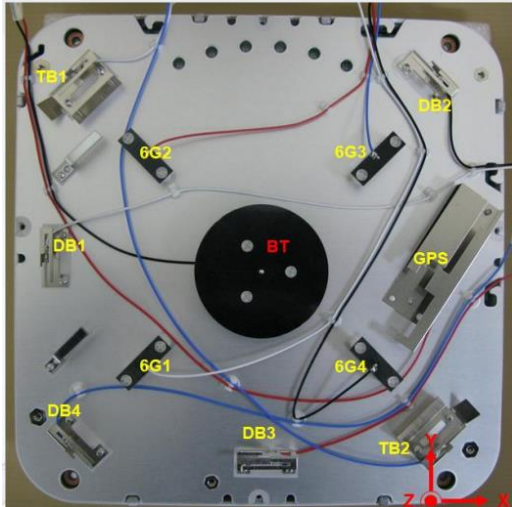
— 6G4 to DB3 — 6G4 to DB4 — 6G4 to TB1 — 6G4 to TB2 — BT to DB1 — BT to DB2
 — BT to DB3 — BT to DB4 — BT to TB1 — BT to TB2 — Spec



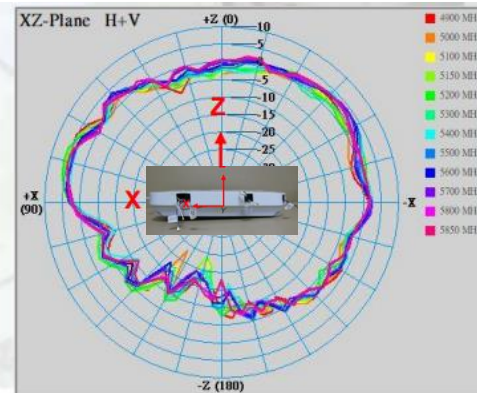
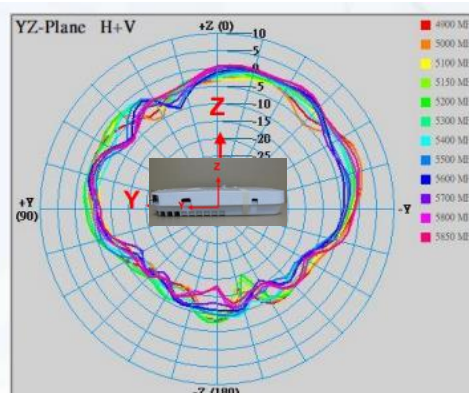
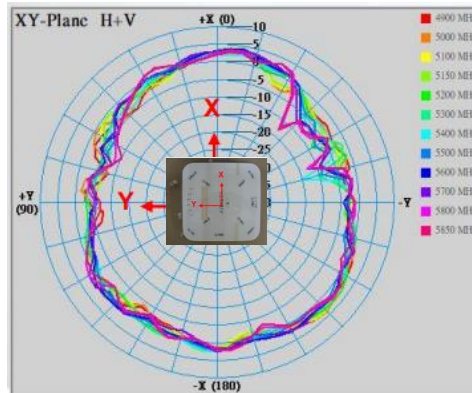
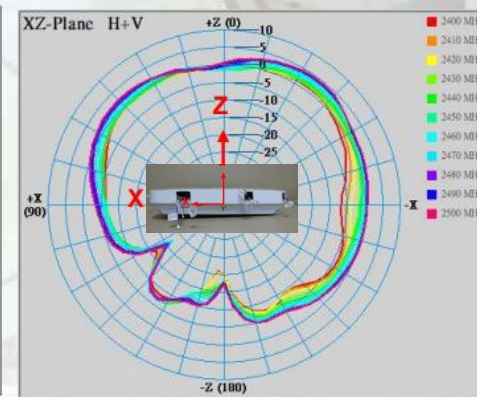
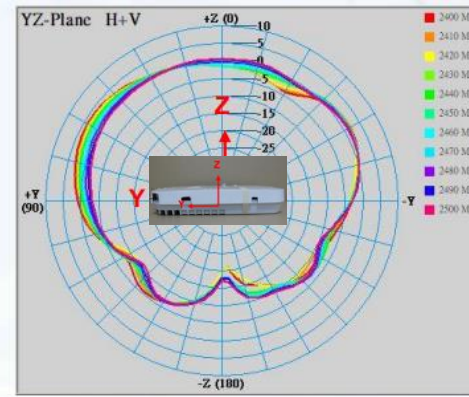
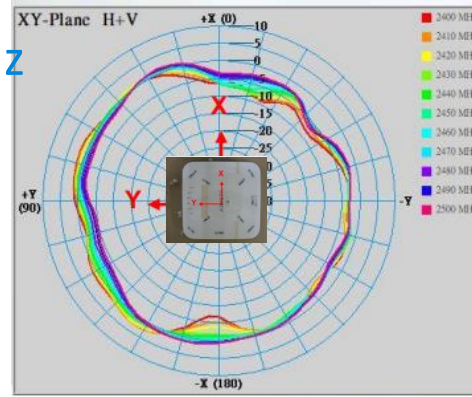
— DB1 to DB2 — DB1 to DB3 — DB1 to DB4 — DB1 to TB1 — DB1 to TB2 — DB2 to DB3
 — DB2 to DB4 — DB2 to TB1 — DB2 to TB2 — DB3 to DB4 — Spec



— DB3 to TB1 — DB3 to TB2 — DB4 to TB1 — DB4 to TB2 — GPS to 6G1 — GPS to 6G2
 — GPS to 6G3 — GPS to 6G4 — GPS to BT — GPS to DB1 — Spec

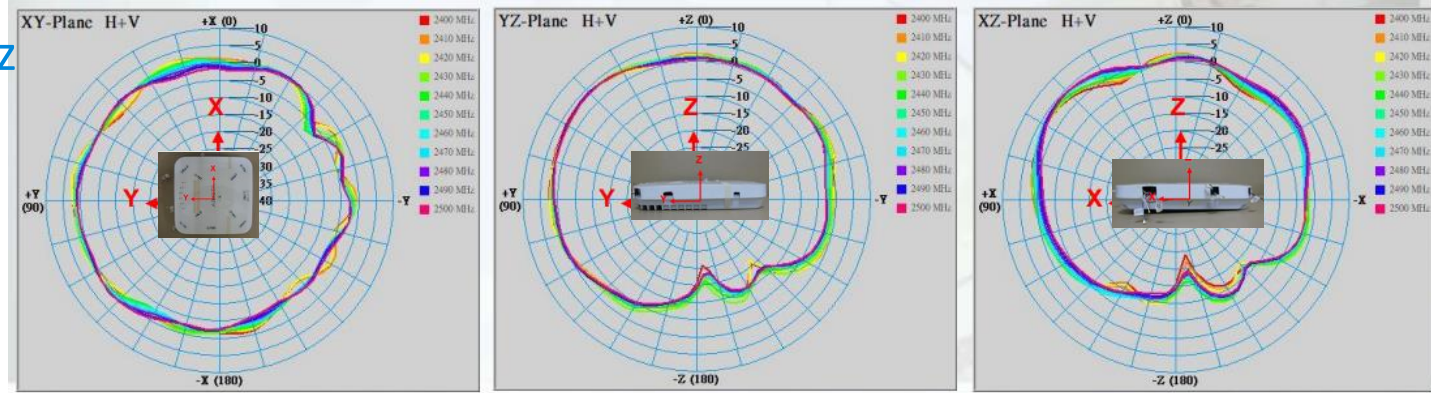


2.45GHz

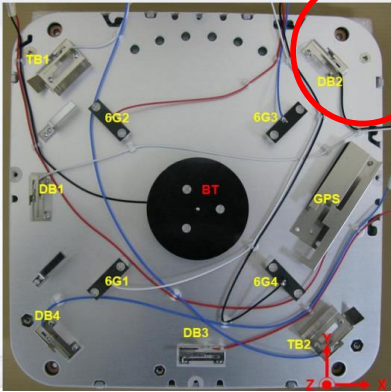
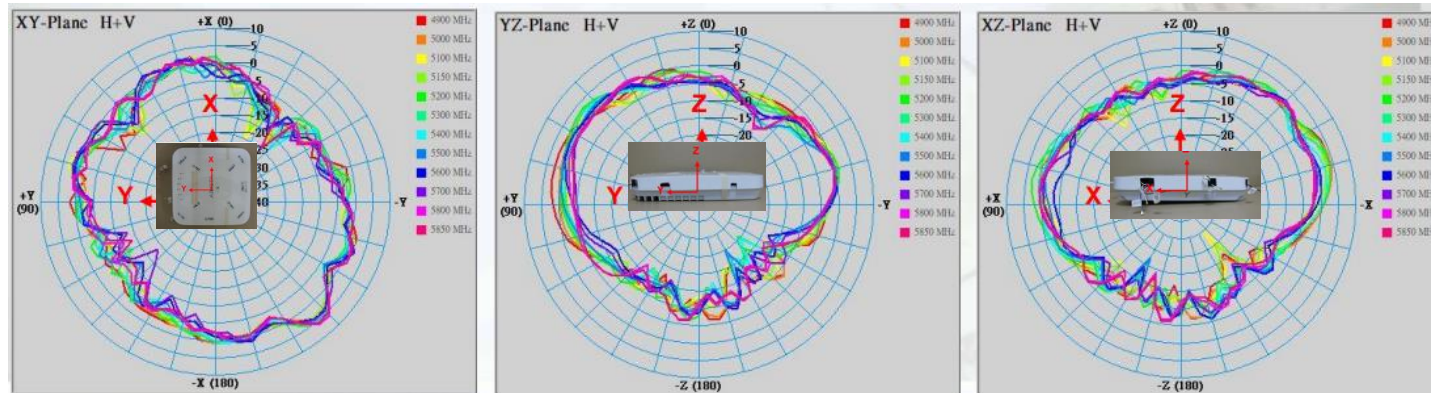


5.5GHz

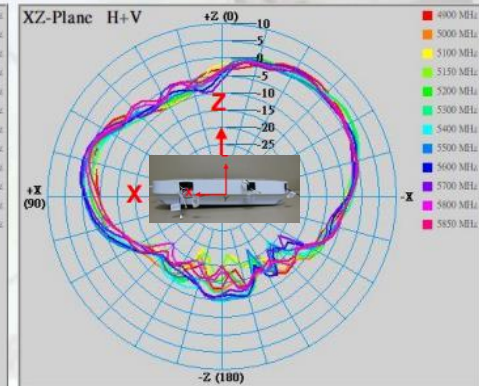
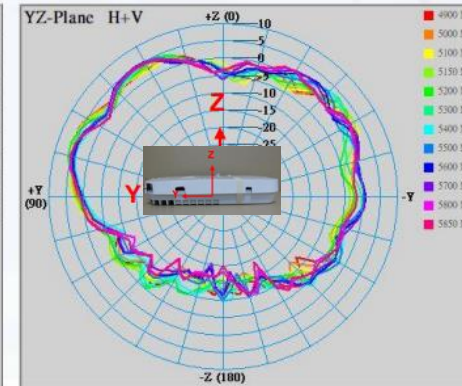
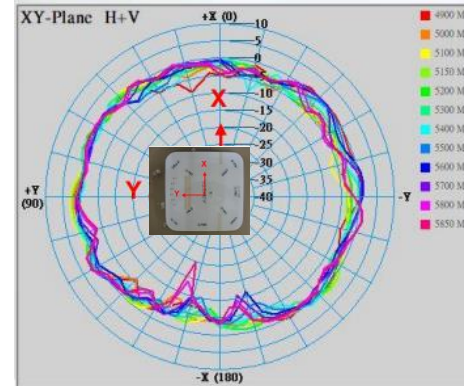
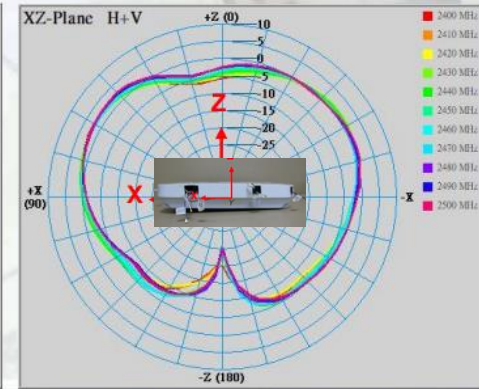
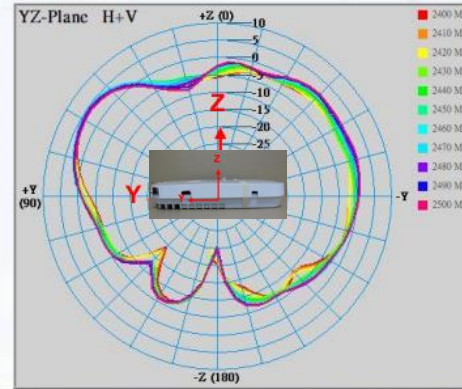
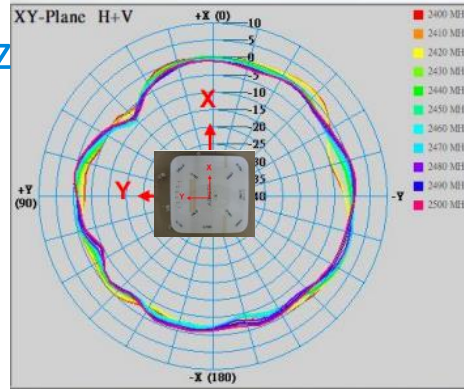
2.45GHz



5.5GHz

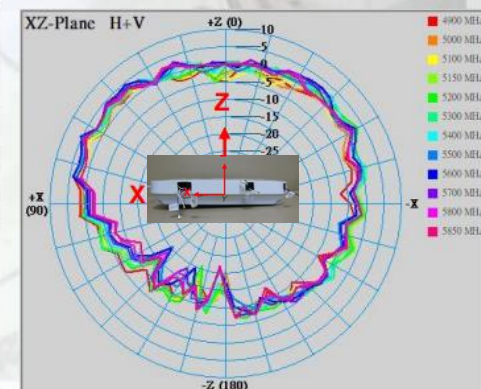
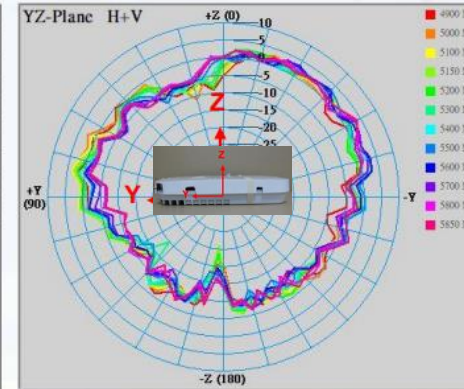
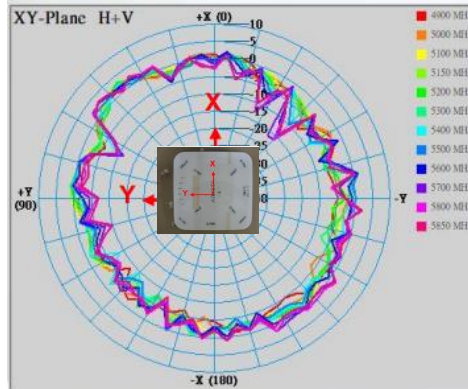
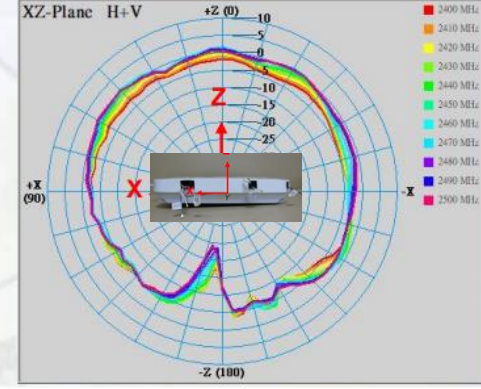
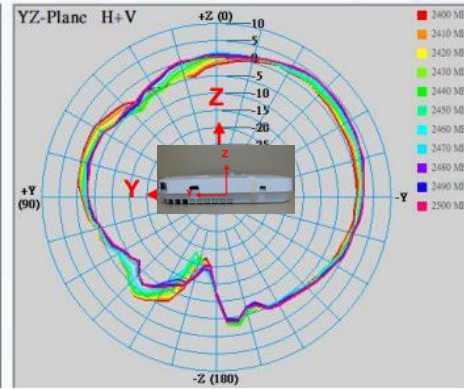
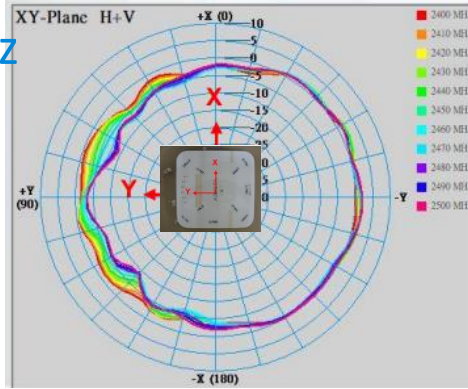


2.45GHz



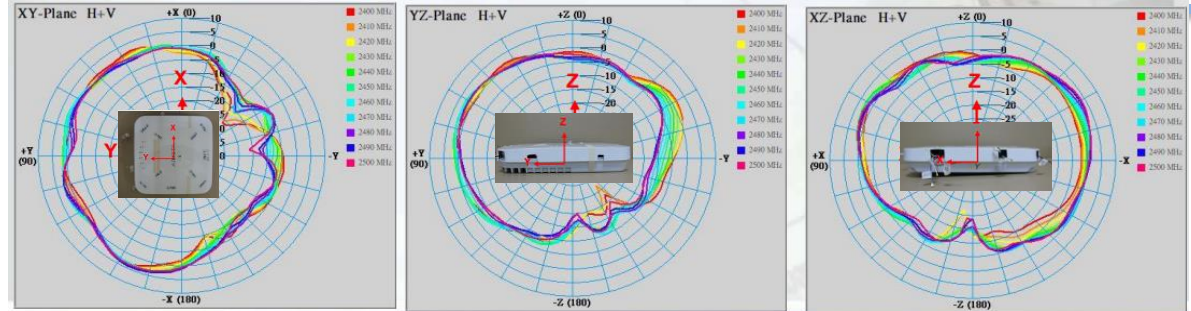
5.5GHz

2.45GHz

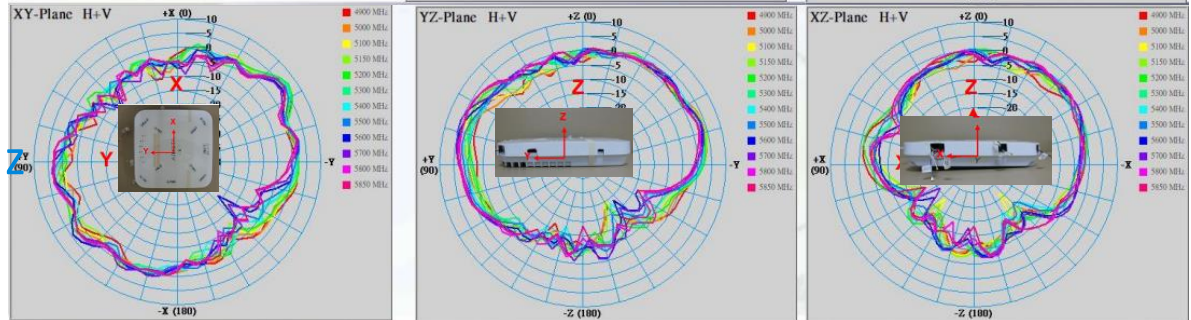


5.5GHz

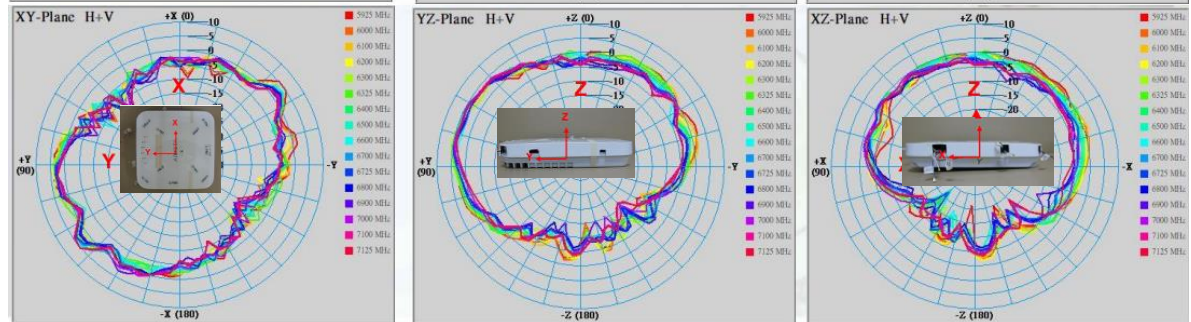
2.45GHz



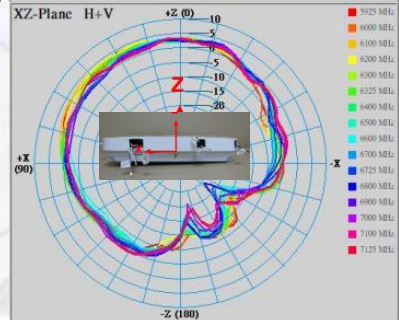
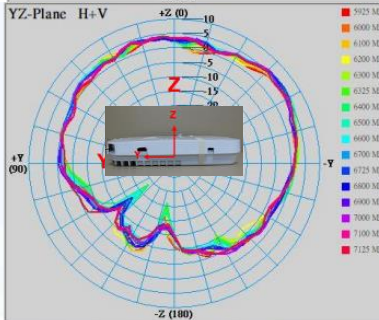
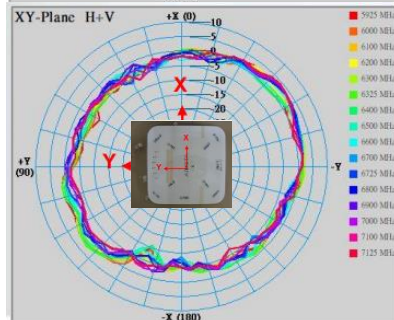
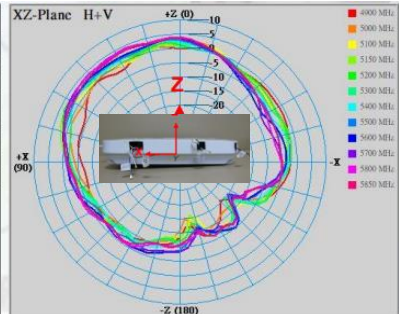
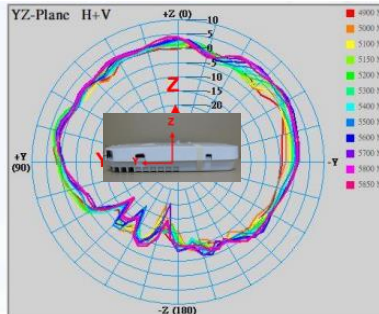
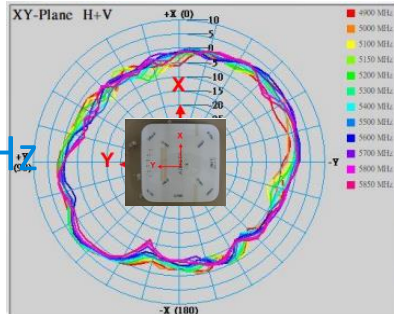
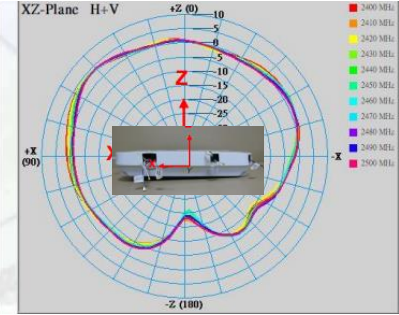
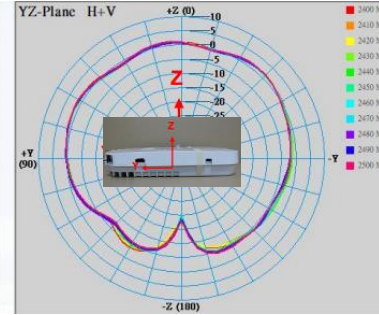
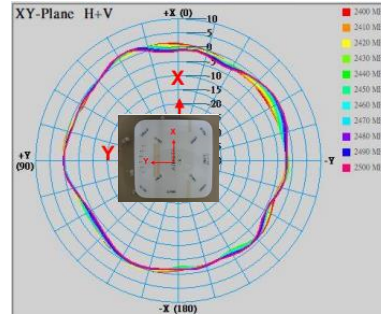
5.5GHz



6.5GHz



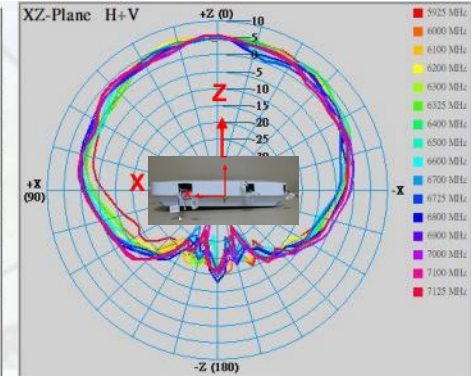
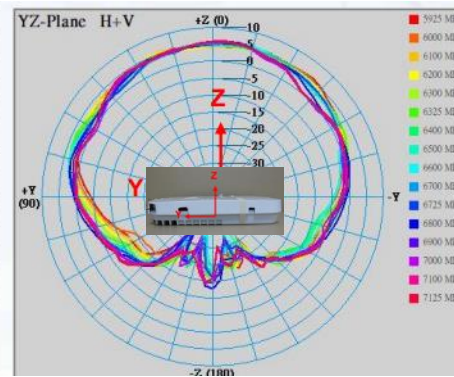
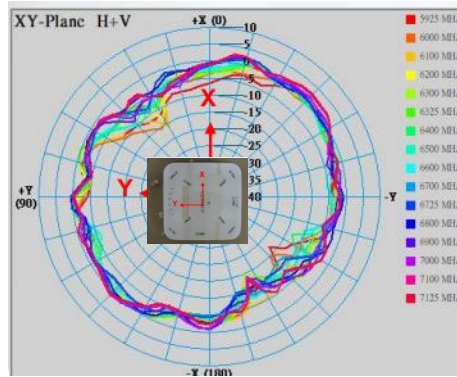
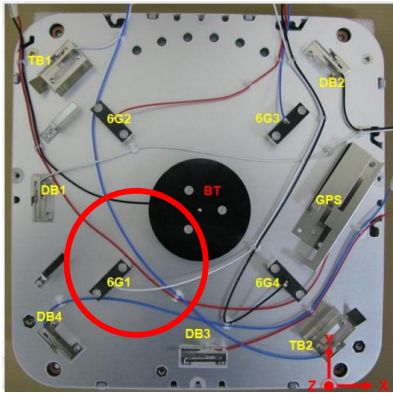
2.45GHz



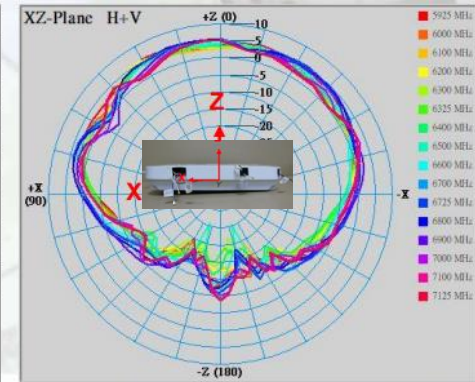
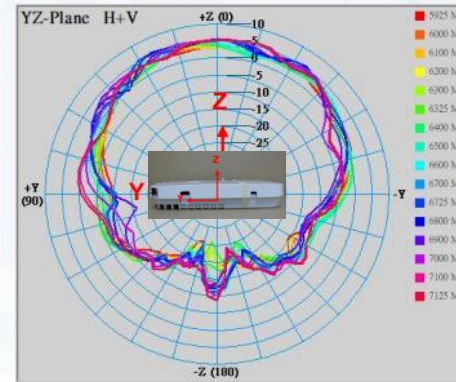
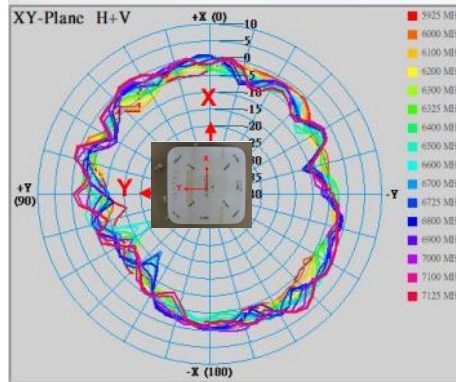
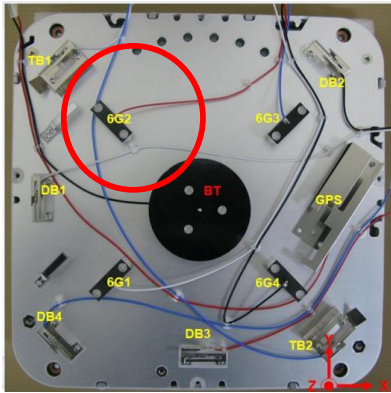
5.5GHz

6.5GHz

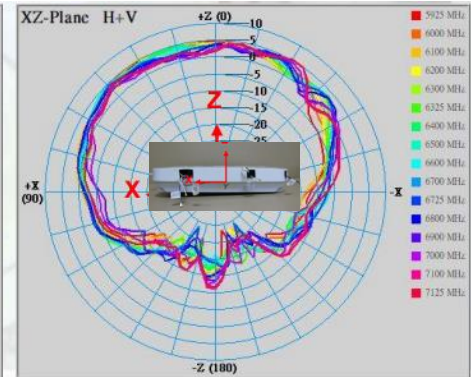
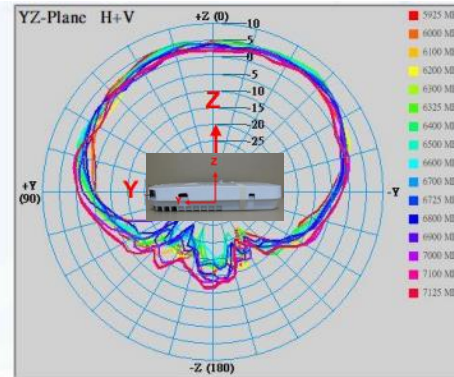
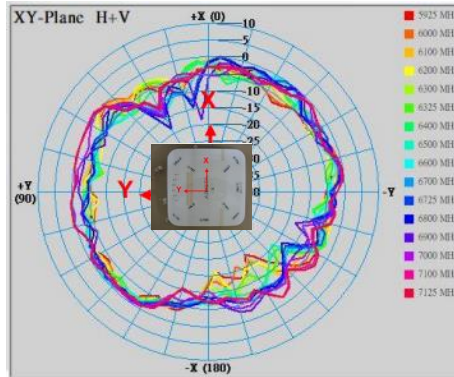
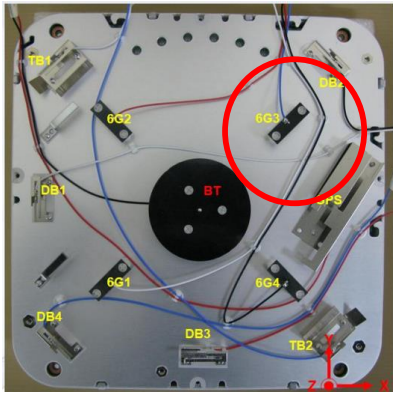
6.5GHz



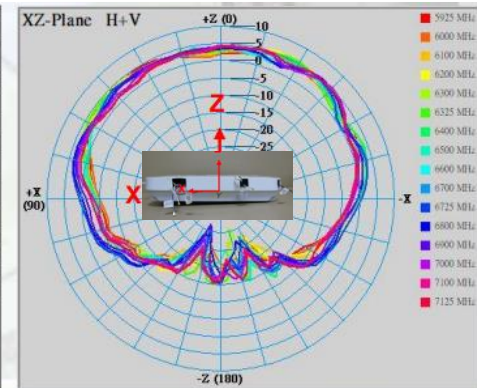
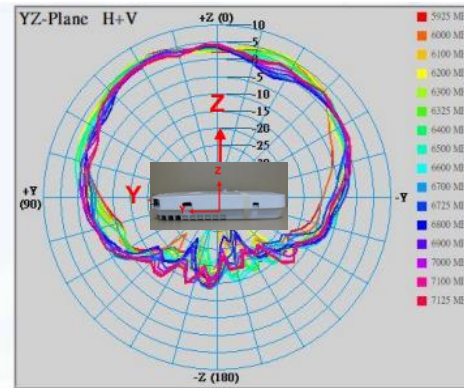
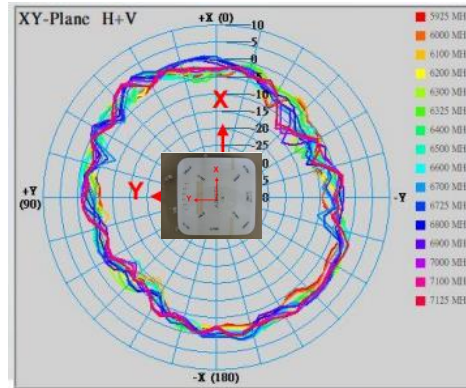
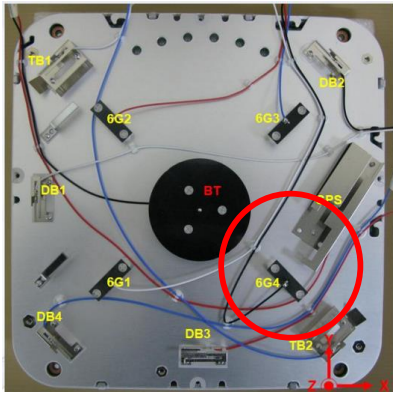
6.5GHz



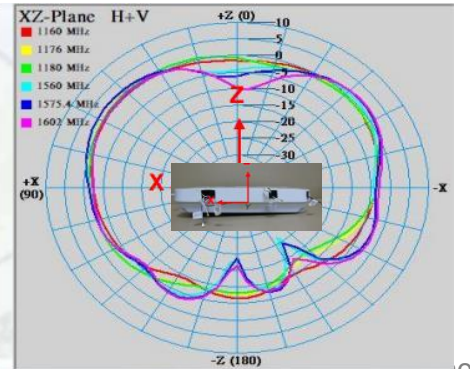
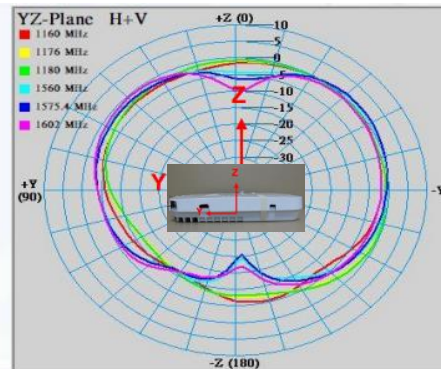
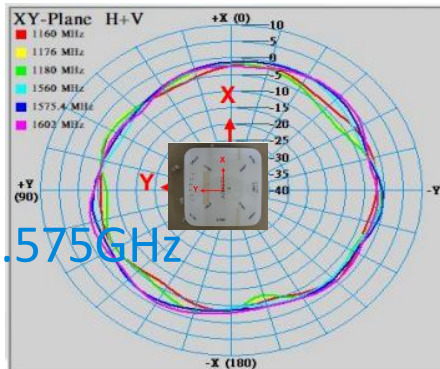
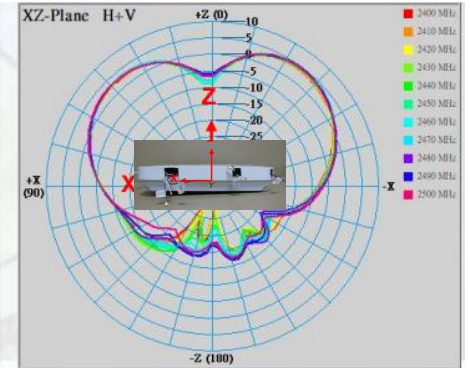
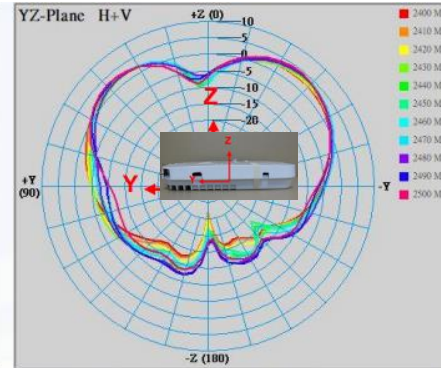
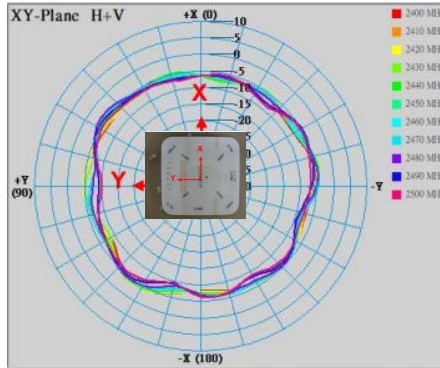
6.5GHz



6.5GHz



2.45GHz



1.16&1.575GHz



Antenna Spec. Summary

	BT	6G1	6G2	6G3	6G4	TB1			TB2			DB1		DB2		DB3		DB4		GPS
Band	2GHz	6GHz	6GHz	6GHz	6GHz	2GHz	5GHz	6GHz	2GHz	5GHz	6GHz	2GHz	5GHz	2GHz	5GHz	2GHz	5GHz	2GHz	5GHz	1.1GHz 1.57GHz
Peak Gain	4.8	6.3	6.2	6.4	6.2	4.2	6.1	6.4	4.3	6.3	6.5	4.4	5.7	4.8	6.5	4.8	5.5	4.4	7.2	1~2.7
Efficiency	70	68	68	76	68	73	73	71	69	70	66	67	71	75	76	71	72	67	70	50~65

- We did the test with DVT3 sample.
- The GPS antenna efficiency is 50~65% and peak gain is 1~2.7dBi
- WiFi antennas can meet the gain/efficiency spec. (65% efficiency and 4dB gain at 2GHz, 5dB gain at 5GHz, 6dB at 6GHz)
- All antennas can meet the isolation spec. (20dB at 2GHz and 30dB at 5/6GHz)