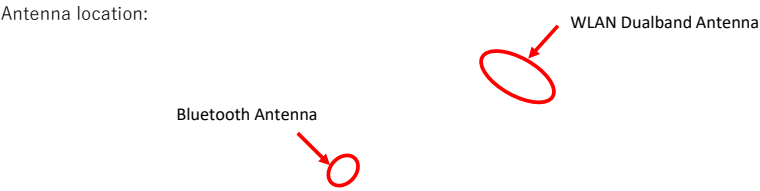


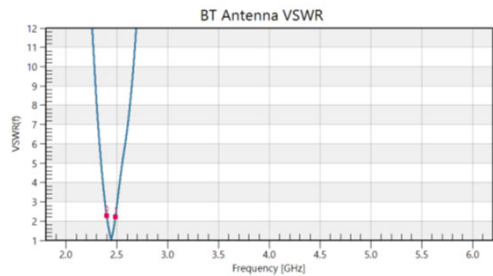
Antenna Description_P2301

Confidential

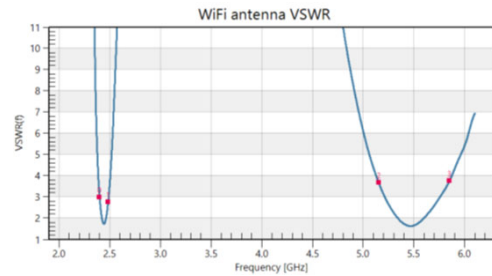
Antenna Type: Dielectric Chip Antenna
Antenna Manufacturer: AMOTECH
Part Number: AMAN301512ST01 (Bluetooth)
 AMOCA3H15F7PA (WLAN Dualband 2.4GHz/5GHz)



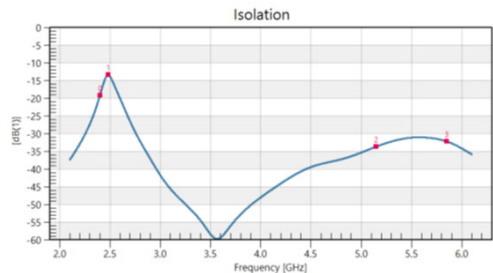
Simulation result: 1. Simulated VSWR and Isolation



Simulated VSWR of BT



Simulated VSWR of Dual WLAN



Simulated isolation

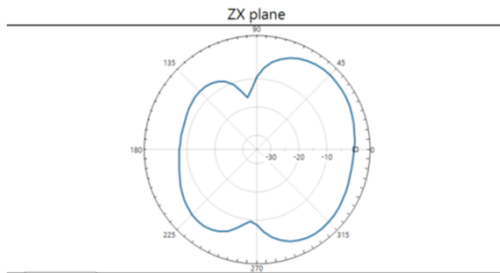
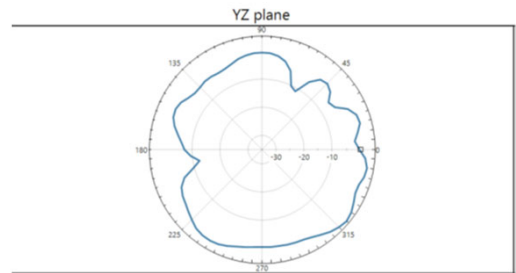
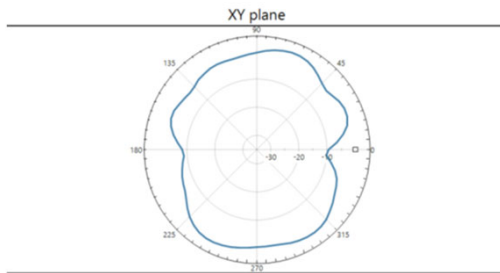
2. Simulated antenna gain table

BT	Frequency [MHz]	Efficiency [%]	Avg. gain [dBi]
	2400	69.7	-1.57
	2442	91.3	-0.40
	2485	84.2	-0.75

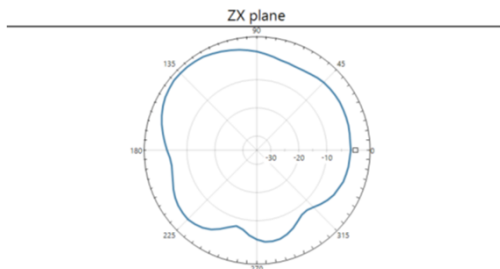
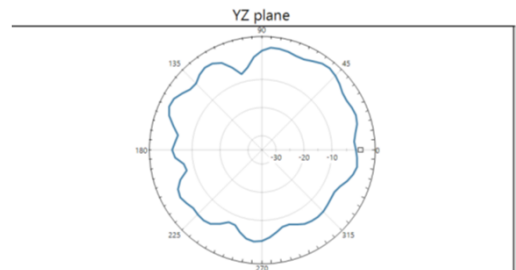
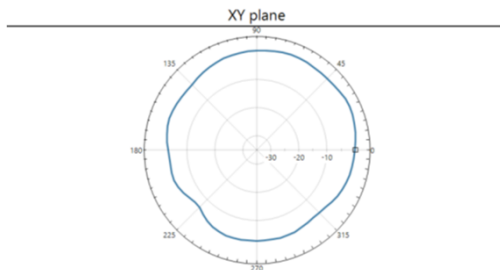
Dual WiFi	Frequency [MHz]	Efficiency [%]	Avg. gain [dBi]
	2400	70.1	-1.54
	2442	76.7	-1.15
	2485	72.7	-1.38
	5150	69.6	-1.57
	5500	92.3	-0.35
	5850	70.9	-1.49

3. Radiation patterns

- 2.4 GHz band for BT antenna



- 2.4 GHz band for WLAN antenna



- 5 GHz band for WLAN antenna

