

Antenna Data Sheet

Description	External BT/WiFi Antenna
Antenna Type	Dipole
Antenna P/N	ST0228-30-502-A (ZPN: ANT-WLANIP0-90SMA)
Manufacturer	Amphenol Taiwan Corporation 71, Lane 956, Jungshan Rd., Taoyuan City, Taiwan 330

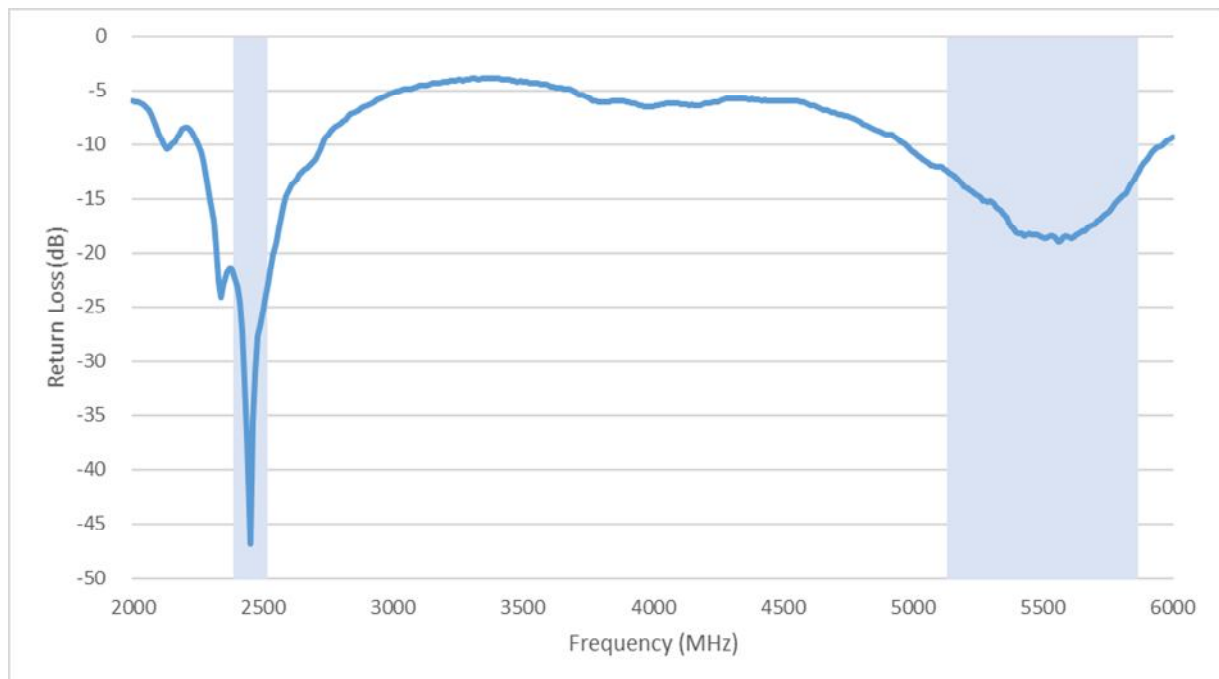
Date: 2023/10/26

– Picture of the antenna

Antenna Structure
1. Body : TPEE, Black
2. Link : ABS, Black
3. Base : POM, Black
4. Hinge Pin : POM, Block
5. Connector : RP-SMA Plug, Ni-Plating

Antenna Performance Test

– Return loss of antenna

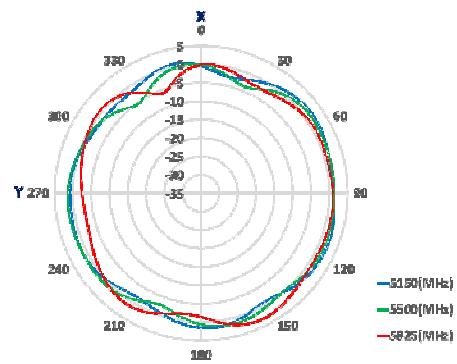
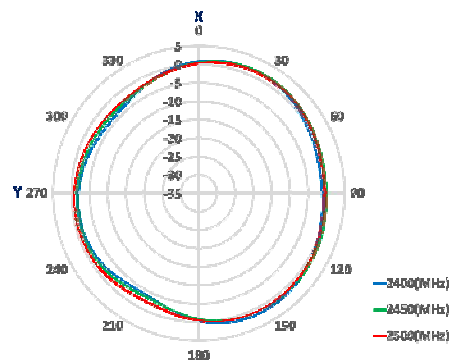


– Antenna Gain:

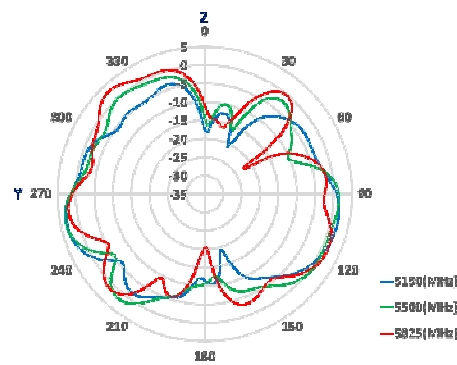
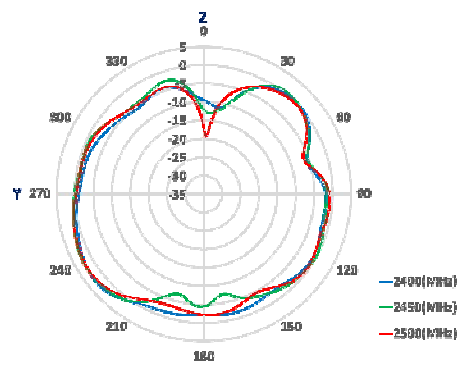
Frequency, MHz	Peak Gain, dBi
2400	2.86
2410	2.81
2420	2.72
2430	2.98
2440	2.79
2450	2.83
2460	2.47
2470	2.60
2480	2.76
2490	2.49
2500	2.49
5150	3.59
5200	3.97
5250	4.22
5300	4.37
5350	4.35
5400	3.85
5450	3.82
5500	3.78
5550	3.66
5600	3.88
5650	3.85
5700	4.15
5750	4.04
5800	4.08
5850	4.08

–Antenna 2D Radiation Pattern

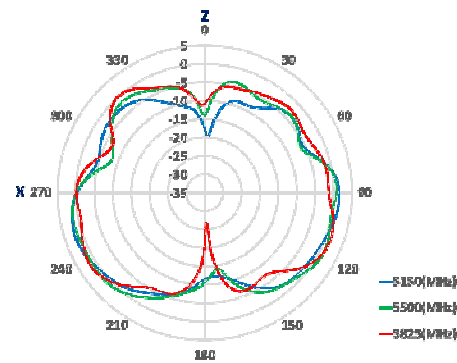
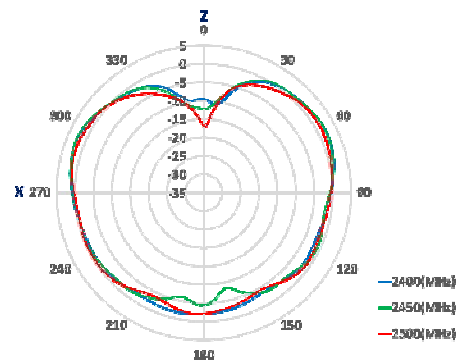
- XY-Plane



- YZ-Plane



- XZ-Plane



– Test engineer name : Damon Tai