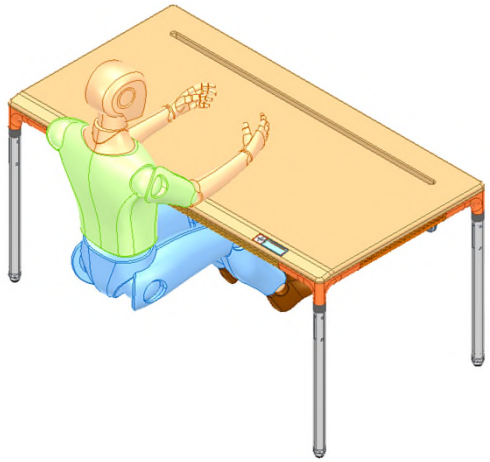
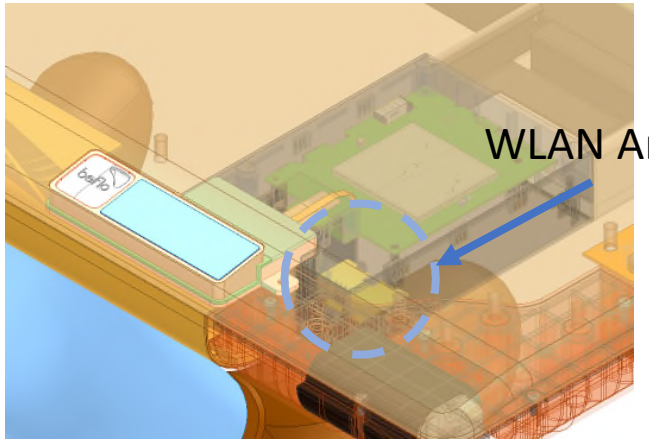
Test Report
of
Nonet WLAN Antenna

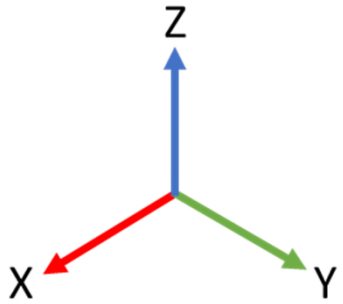
2022/07/11

James

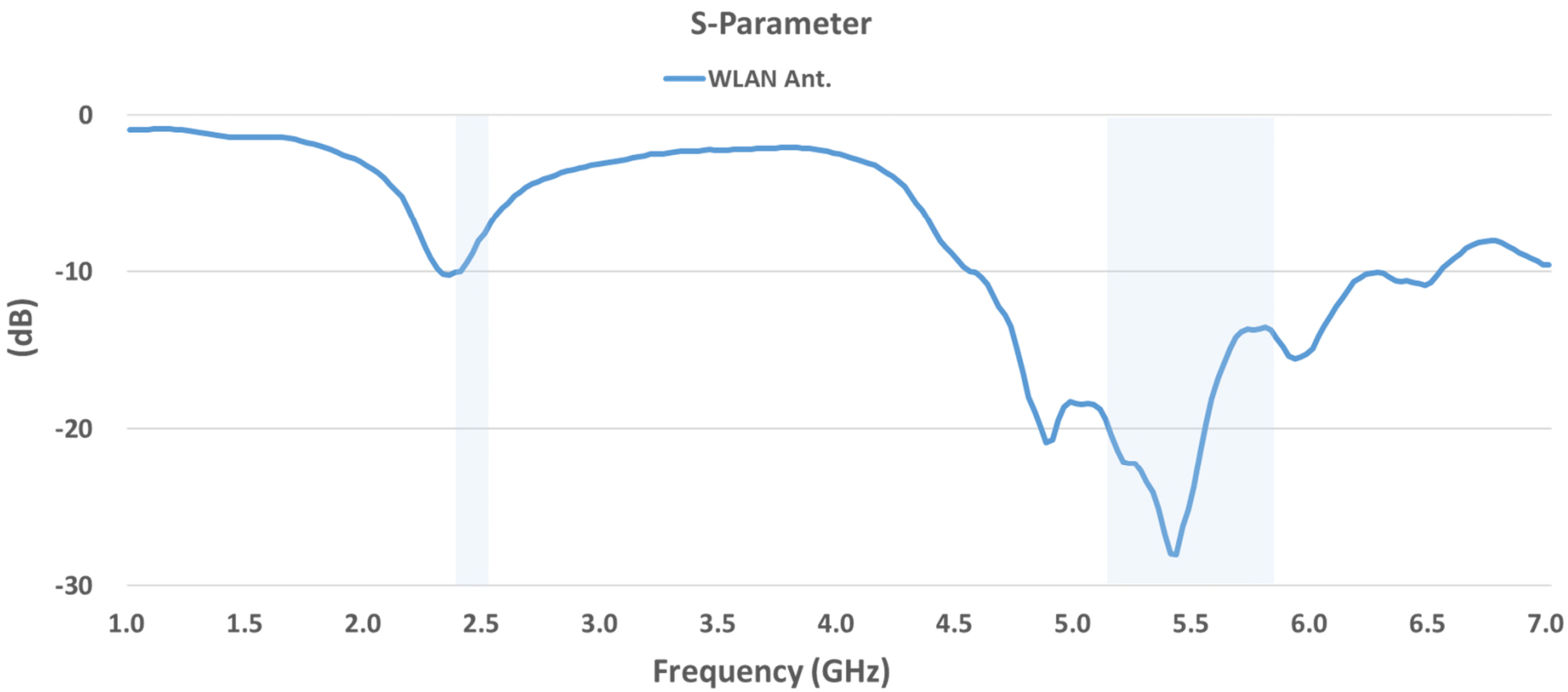
Environment





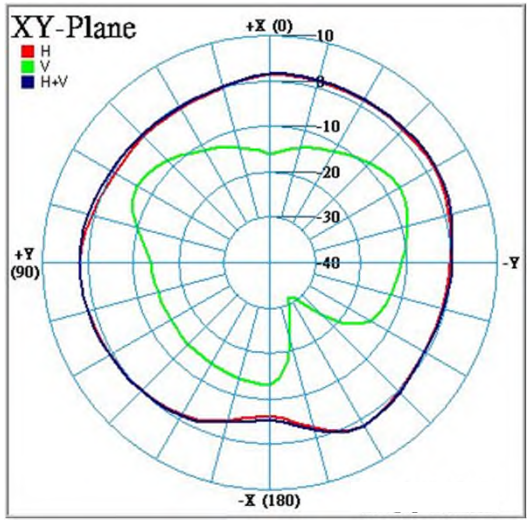


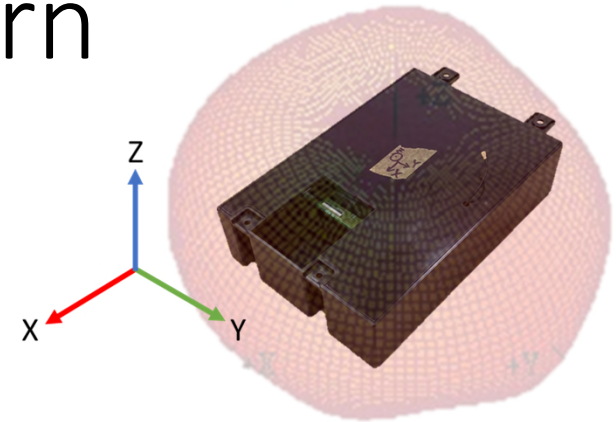
S-Parameter

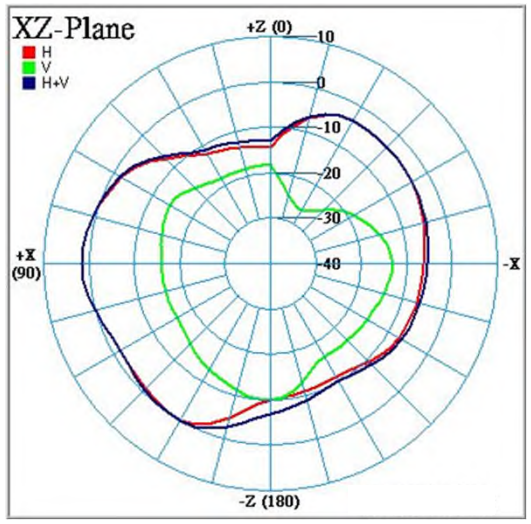

S-Parameter
WLAN Ant.
0
-10
-20
-30
(dB)
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
Frequency (GHz)

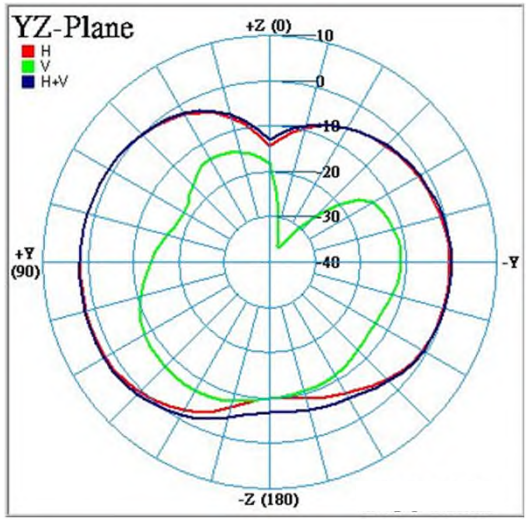
Radiation Pattern

WLAN Ant. @2.45GHz



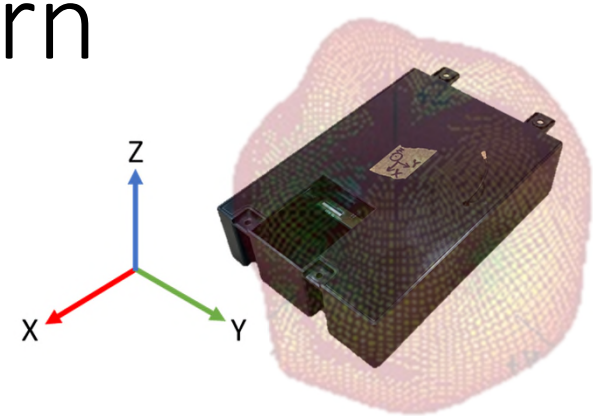


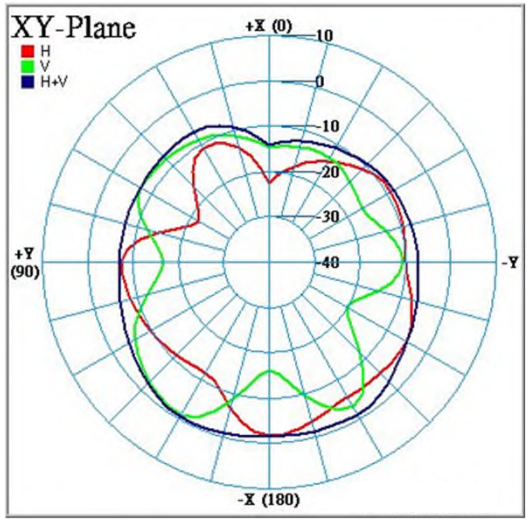


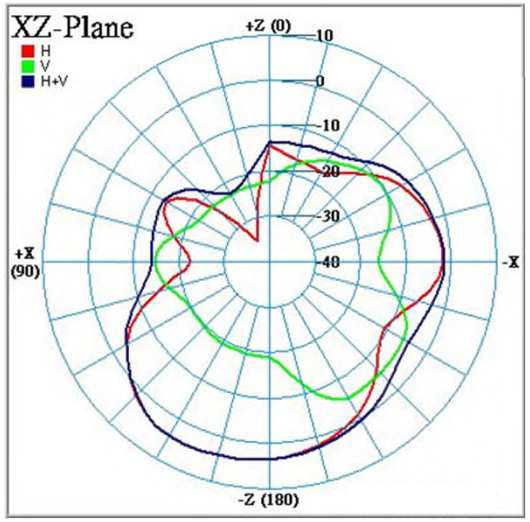


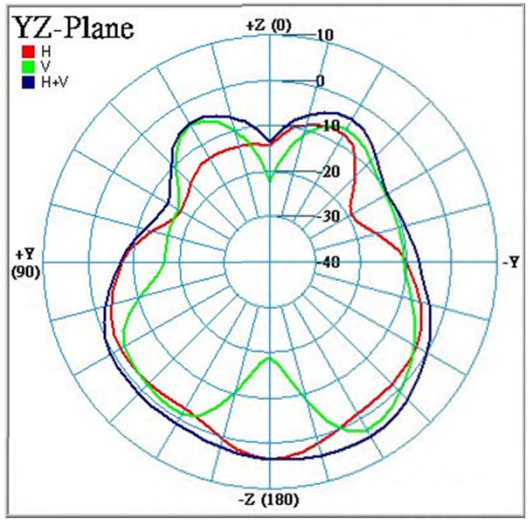
Radiation Pattern

WLAN Ant. @5.5GHz

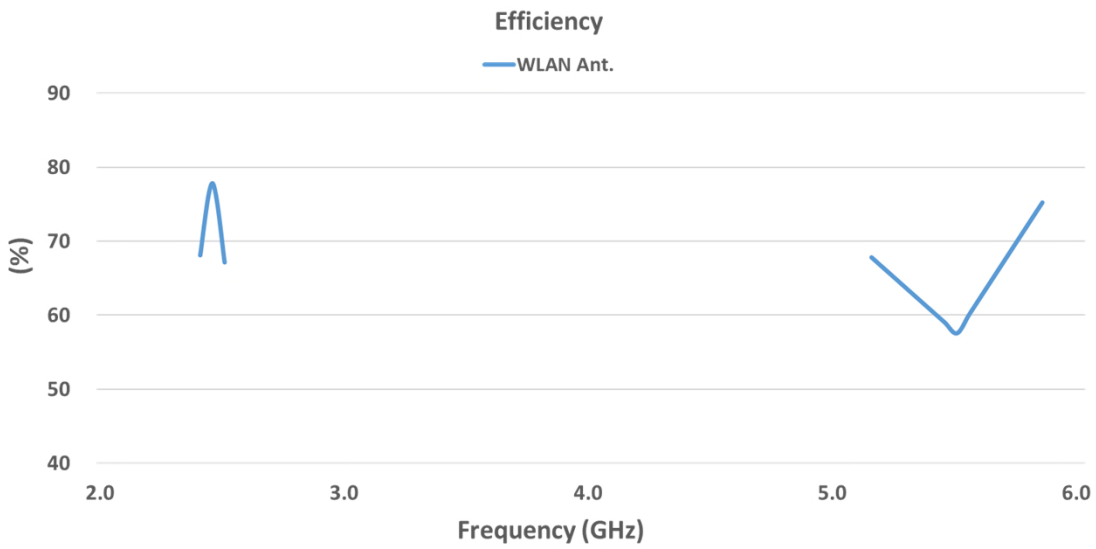


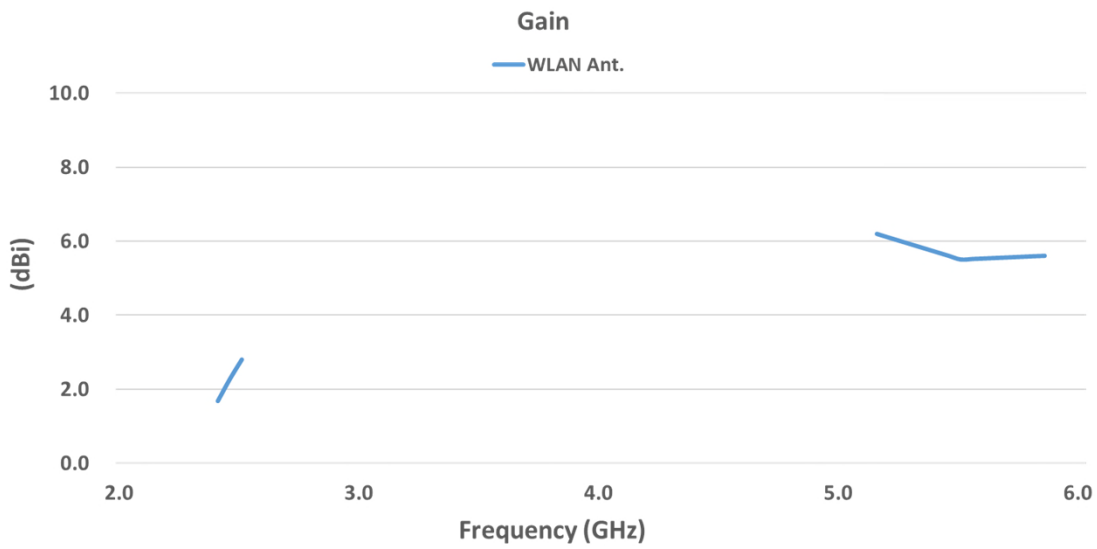






Radiation Performance





Peak Gain List

Frequency (MHz)	Gain (dBi)
2400	1.676
2410	1.778
2412	1.517
2430	1.537
2437	2.253
2442	1.967
2450	2.266
2462	2.62
2470	2.427
2484	2.935
2490	2.891
2496	2.748
2500	2.799

Frequency (MHz)	Gain (dBi)
5150	6.19
5180	5.788
5190	5.829
5240	6.074
5250	6.199
5260	6.326
5290	5.99
5320	5.695
5340	5.994
5350	5.685
5390	5.761
5440	5.43
5470	5.317
5490	5.501
5537	6.05
5540	5.752
5590	5.608
5600	5.345
5690	5.48
5725	5.025
5740	4.855
5745	5.159
5750	5.329
5785	5.42
5790	4.82
5800	5.207
5805	5.574
5825	5.741
5840	6.243
5850	5.616

Conclusion

The antenna radiation performance looks well, even s-parameter of the 2.4GHz band didn’t under -10dB, it still has > 65% efficiency @2.4GHz band, and > 55% efficiency @5.5GHz band.