

Antenna Specification

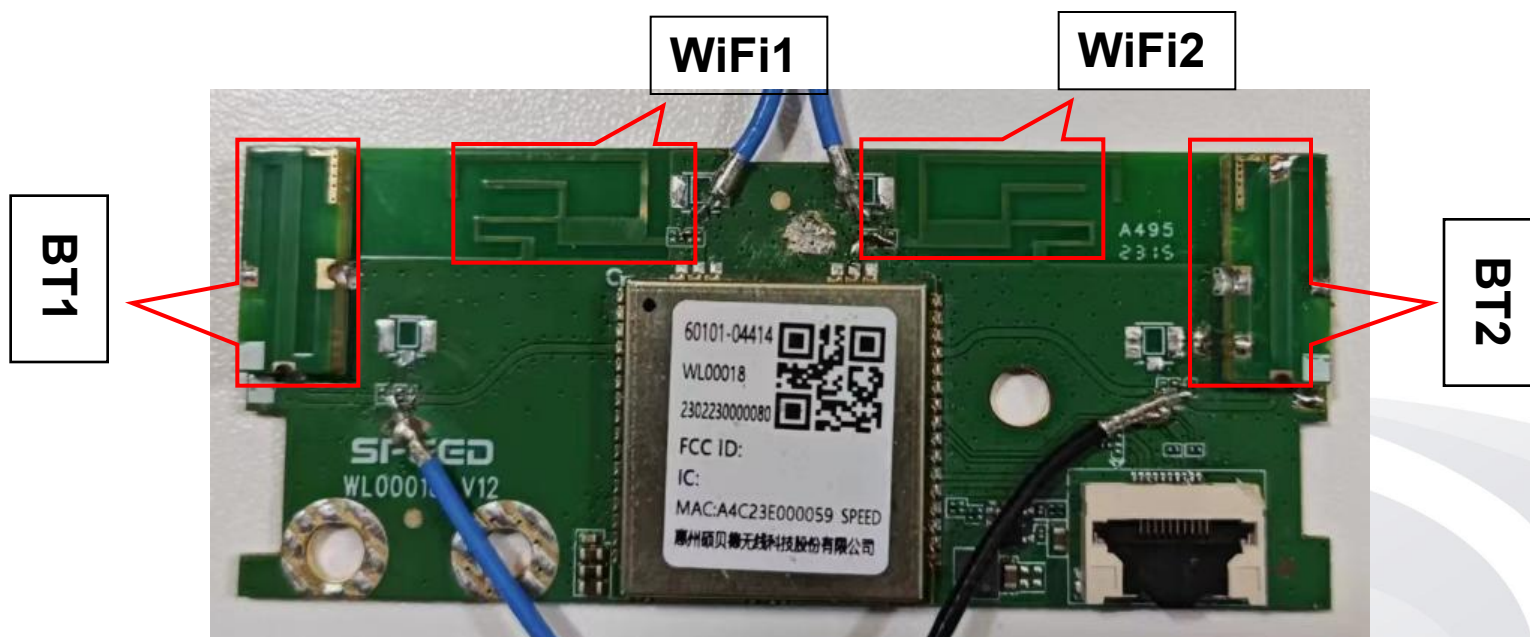
WL00018

Antenna Model: BT1, BT2, WIFI1, WIFI2

Speed Wireless Technology Co.,LTD

2023.06.15

General introduction:



频段信息: **2.4-2.5GHz 5.15G-7.125GHz**

天线形式: 贴片PCB (BT)

板载 (WiFi)

Gain&Efficiency-单板

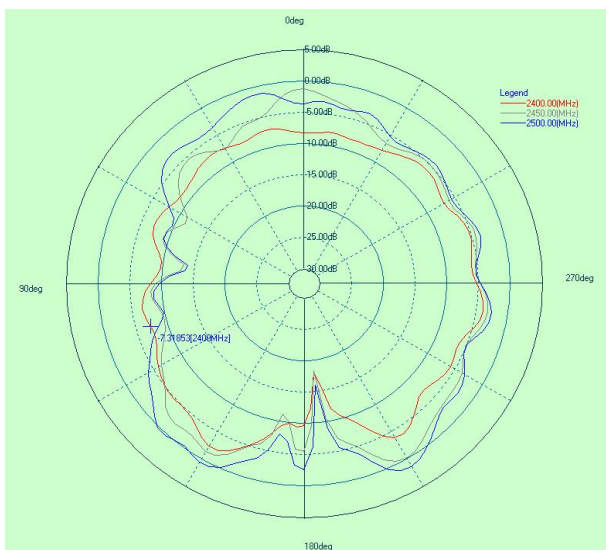
	BT1		BT2			WIFI1		WIFI2	
Frequency	Gain	Efficiency	Gain	Efficiency	Frequency	Gain	Efficiency	Gain	Efficiency
2400	0.9	35%	0.8	33%	2400	3.4	56%	3.4	63%
2410	0.6	33%	0.6	32%	2410	3.2	54%	3.2	61%
2420	0.6	31%	0.6	32%	2420	3.2	55%	3.3	61%
2430	0.5	30%	0.4	30%	2430	3.1	54%	3.4	60%
2440	0.6	31%	0.5	31%	2440	3.1	54%	3.5	59%
2450	0.5	31%	0.7	32%	2450	2.9	51%	3.5	56%
2460	0.9	34%	0.5	35%	2460	2.8	51%	3.6	57%
2470	1.2	38%	0.8	34%	2470	2.8	50%	3.7	57%
2480	1.4	41%	0.7	32%	2480	2.7	49%	3.8	56%
2490	1.6	44%	0.7	35%	2490	2.7	47%	3.8	54%
2500	1.8	48%	0.7	37%	2500	2.7	46%	3.6	53%
					5150	3.9	60%	4.3	50%
					5200	3.7	59%	4.5	50%
					5250	3.7	59%	4.3	52%
					5300	3.4	58%	4.6	52%
					5350	3.1	54%	3.9	50%
					5400	3.5	59%	3.1	56%
					5450	4.2	64%	3.5	61%
					5500	4.2	62%	3.9	60%
					5550	4.2	62%	3.4	61%
					5600	4.1	60%	4	60%
					5650	3.2	52%	4.1	54%
					5700	2.8	51%	4.3	54%
					5750	2.6	49%	4.1	52%
					5800	2.2	45%	3.5	47%
					5850	1.7	43%	3.2	46%

Gain&Efficiency-单板

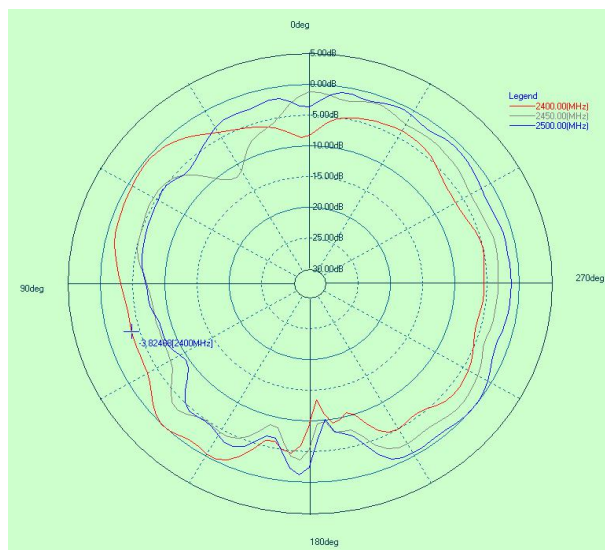
Frequency	WIFI1		WIFI2	
	Gain	Efficiency	Gain	Efficiency
5925	3.6	38%	3.2	36%
5975	3.1	36%	3.1	36%
6025	3.0	35%	3.1	35%
6075	2.9	35%	3.0	34%
6125	2.1	35%	2.9	35%
6175	3.0	34%	2.9	35%
6225	3.1	34%	3.1	33%
6275	3.2	33%	3.0	33%
6325	3.1	33%	2.8	34%
6375	3.0	32%	2.9	32%
6425	3.1	32%	3.0	30%
6475	3.0	32%	2.8	29%
6525	2.9	32%	2.7	28%
6575	2.9	30%	2.9	29%
6625	2.8	28%	3.1	31%
6675	2.8	28%	3.2	32%
6725	2.9	29%	3.0	31%
6775	2.9	28%	3.3	33%
6825	3.0	29%	3.5	34%
6875	3.1	30%	3.0	35%
6925	3.2	29%	2.9	32%
6975	3.1	28%	3.2	30%
7025	3.3	28%	3.1	31%
7075	3.2	29%	3.2	32%
7125	3.3	27%	3.5	34%

2D Radiation Pattern-单板

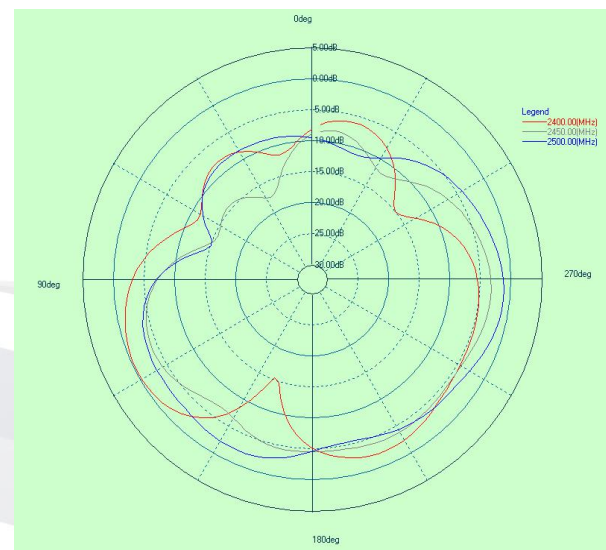
BT1



$\Phi=0^\circ$
XZ面



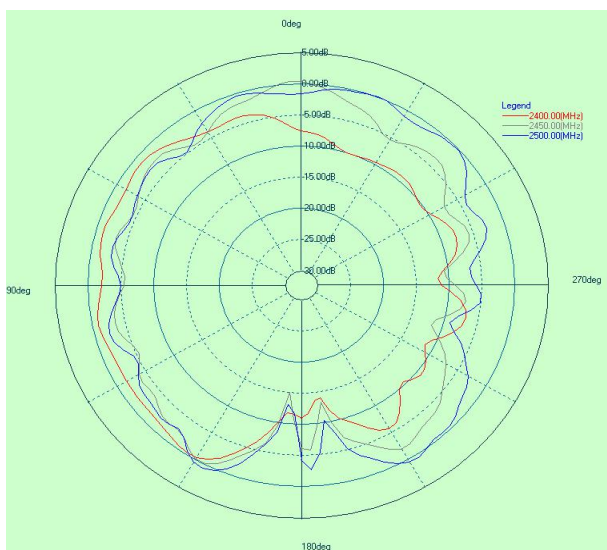
$\Phi=90^\circ$
YZ面



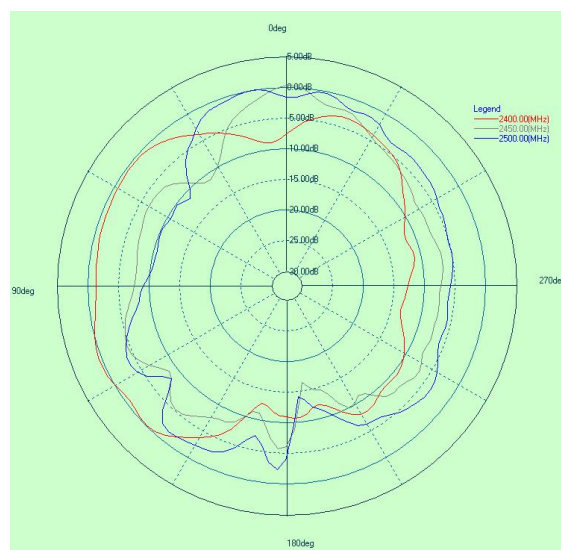
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

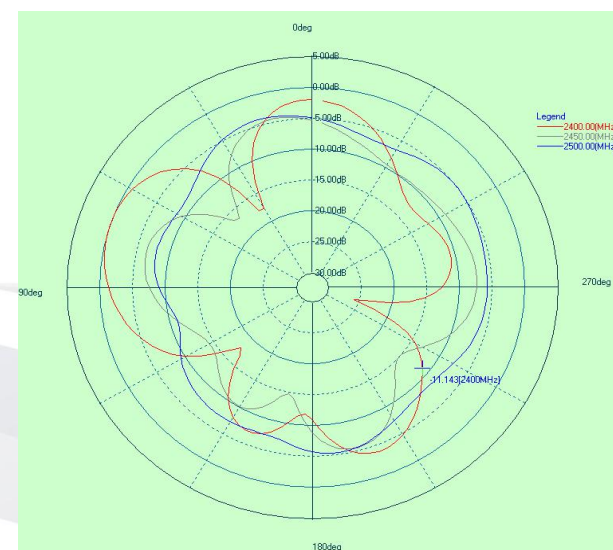
BT2



$\Phi=0^\circ$
XZ面



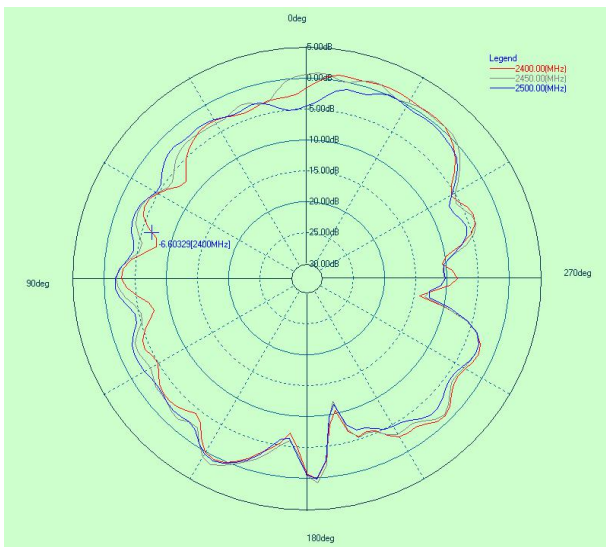
$\Phi=90^\circ$
YZ面



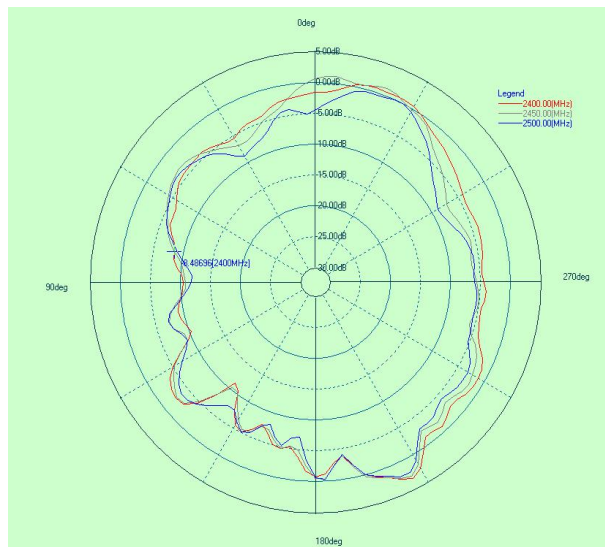
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

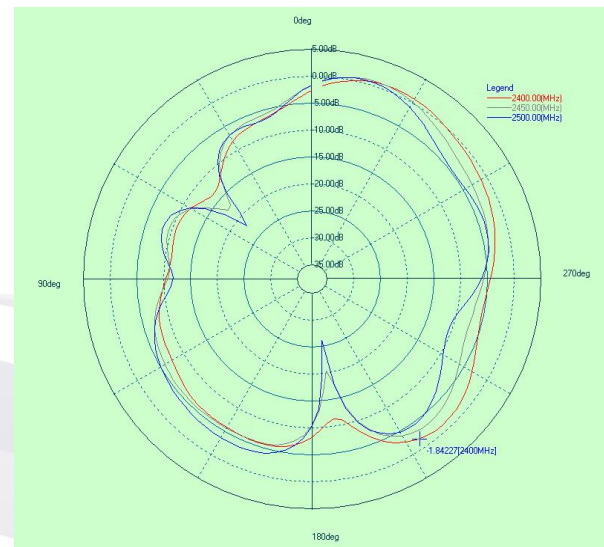
WiFi1



$\Phi=0^\circ$
XZ面



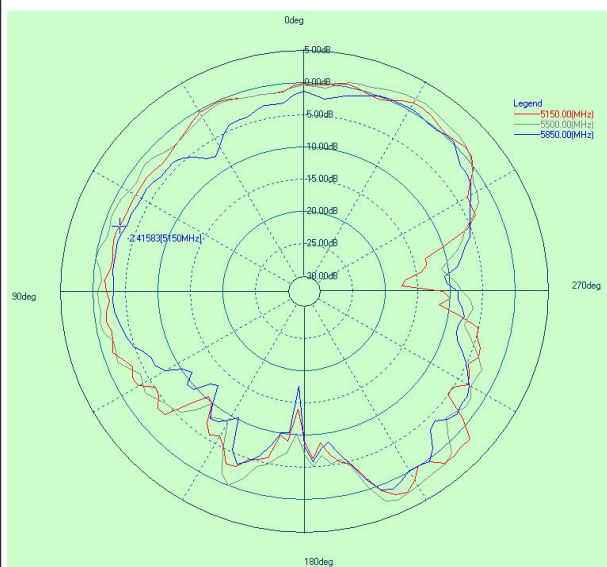
$\Phi=90^\circ$
YZ面



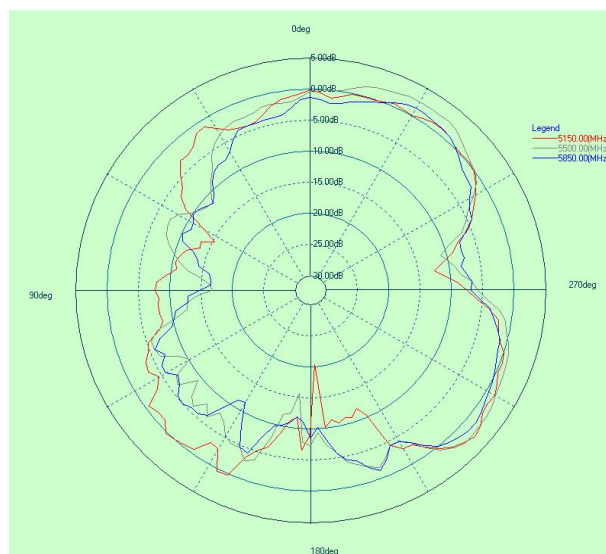
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

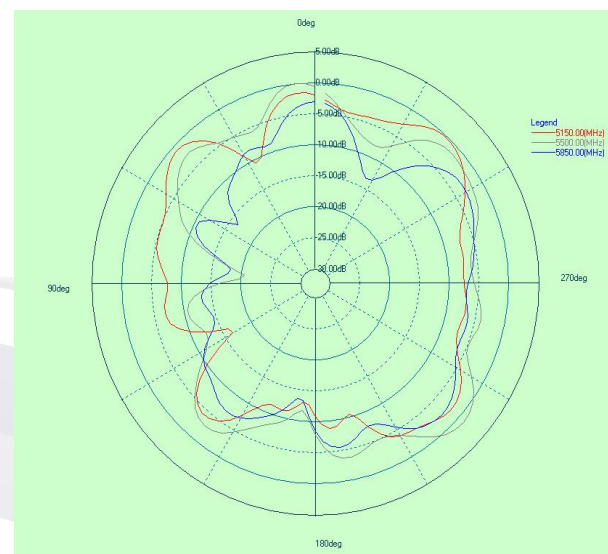
WiFi1



$\Phi=0^\circ$
XZ面



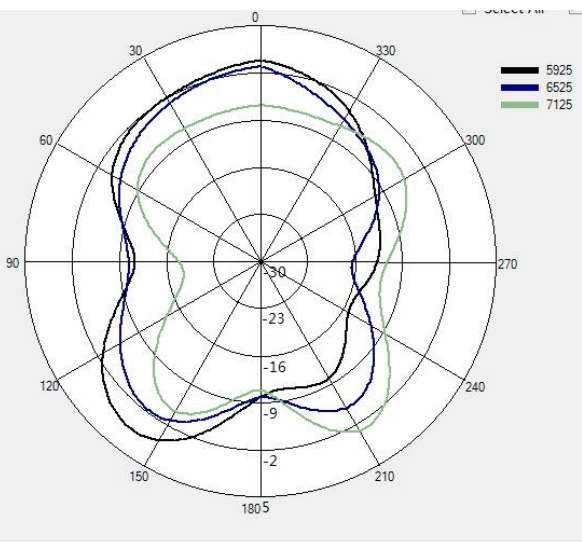
$\Phi=90^\circ$
YZ面



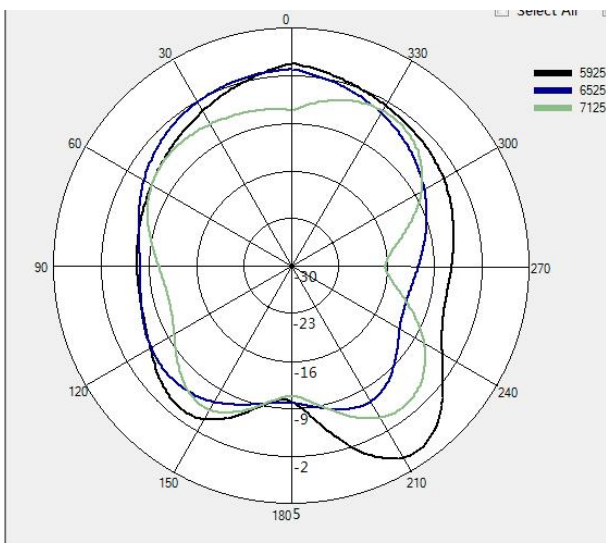
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

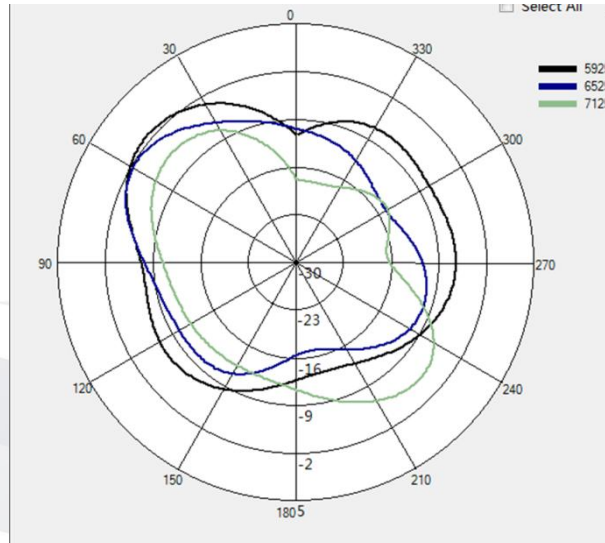
WiFi1



$\Phi=0^\circ$
XZ面



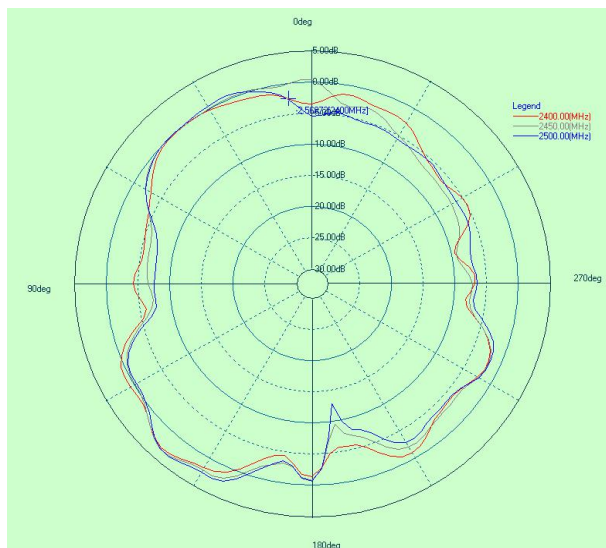
$\Phi=90^\circ$
YZ面



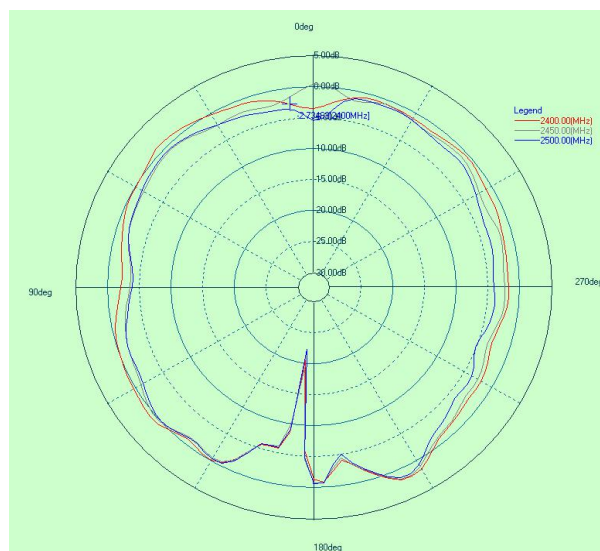
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

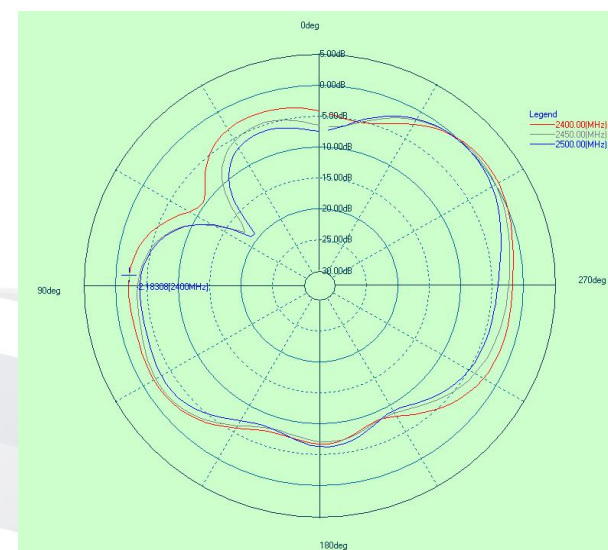
WiFi2



$\Phi=0^\circ$
XZ面



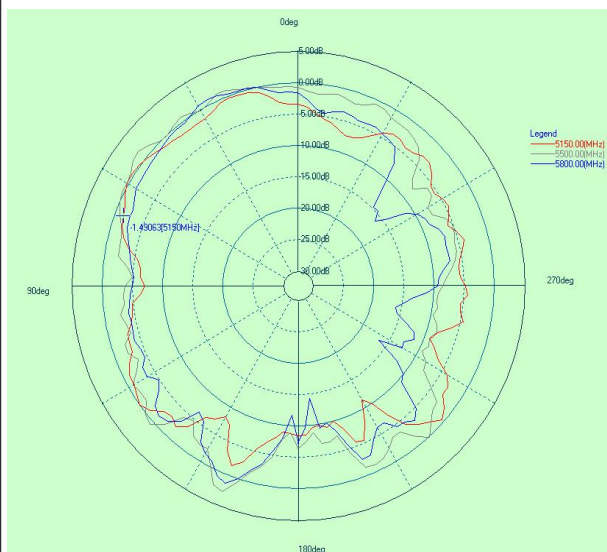
$\Phi=90^\circ$
YZ面



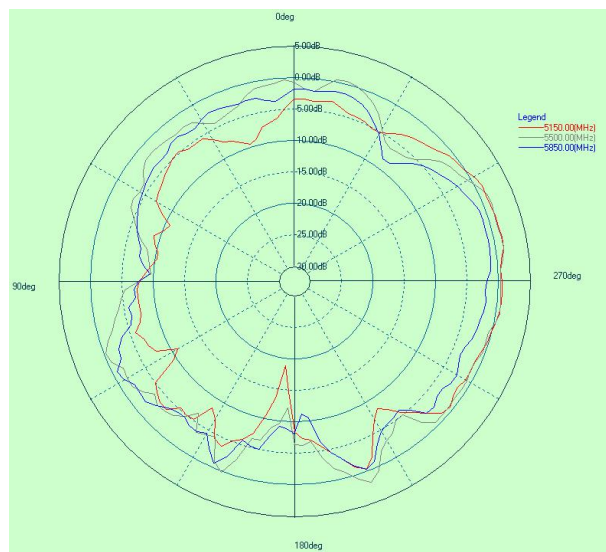
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

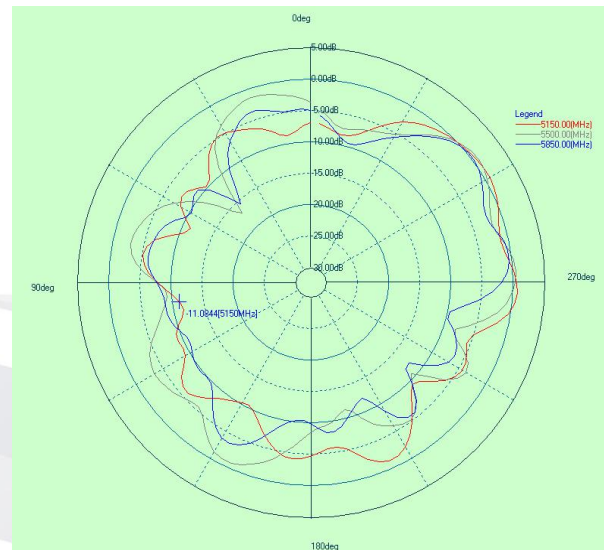
WiFi2



$\Phi=0^\circ$
XZ面



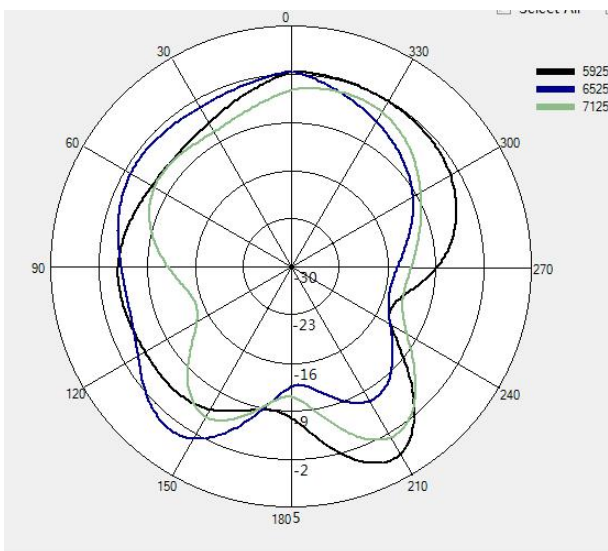
$\Phi=90^\circ$
YZ面



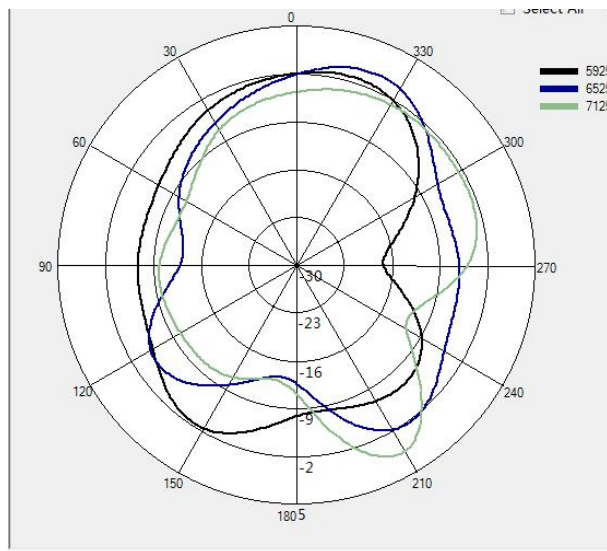
$\Theta=90^\circ$
XY面

2D Radiation Pattern-单板

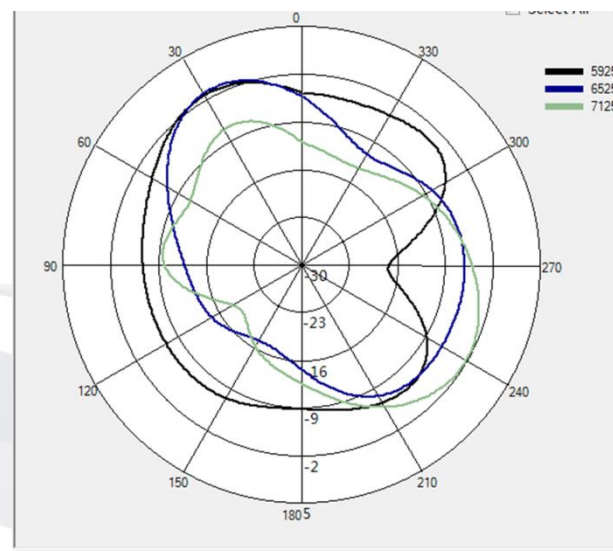
WiFi2



$\Phi=0^\circ$
XZ面

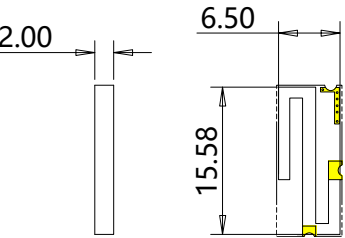


$\Phi=90^\circ$
YZ面

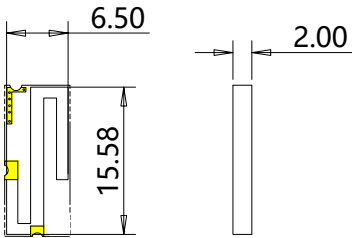
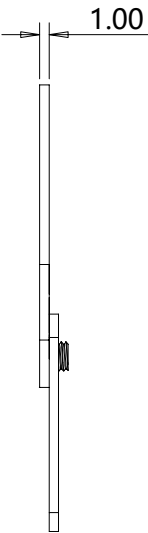
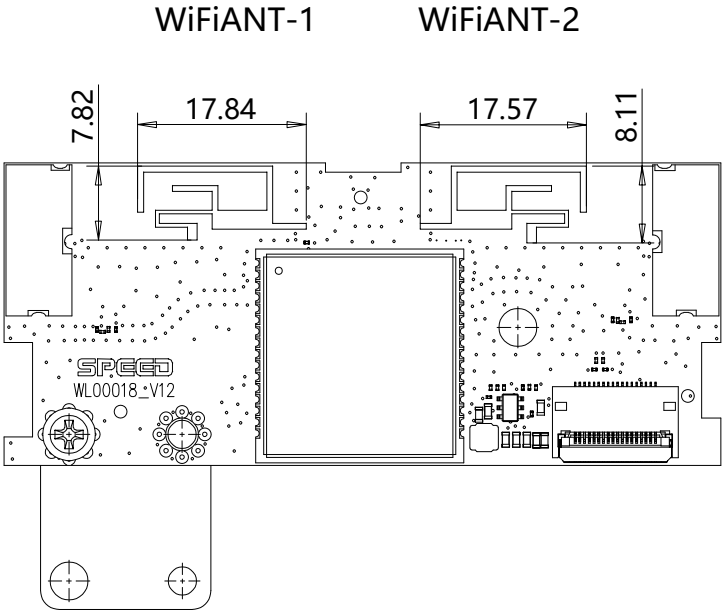


$\Theta=90^\circ$
XY面

Unit: mm



BTANT-1



BTANT-2

Thanks!