

Sword Antenna Report

Customer: **ChengFong**

Project : 10LA3

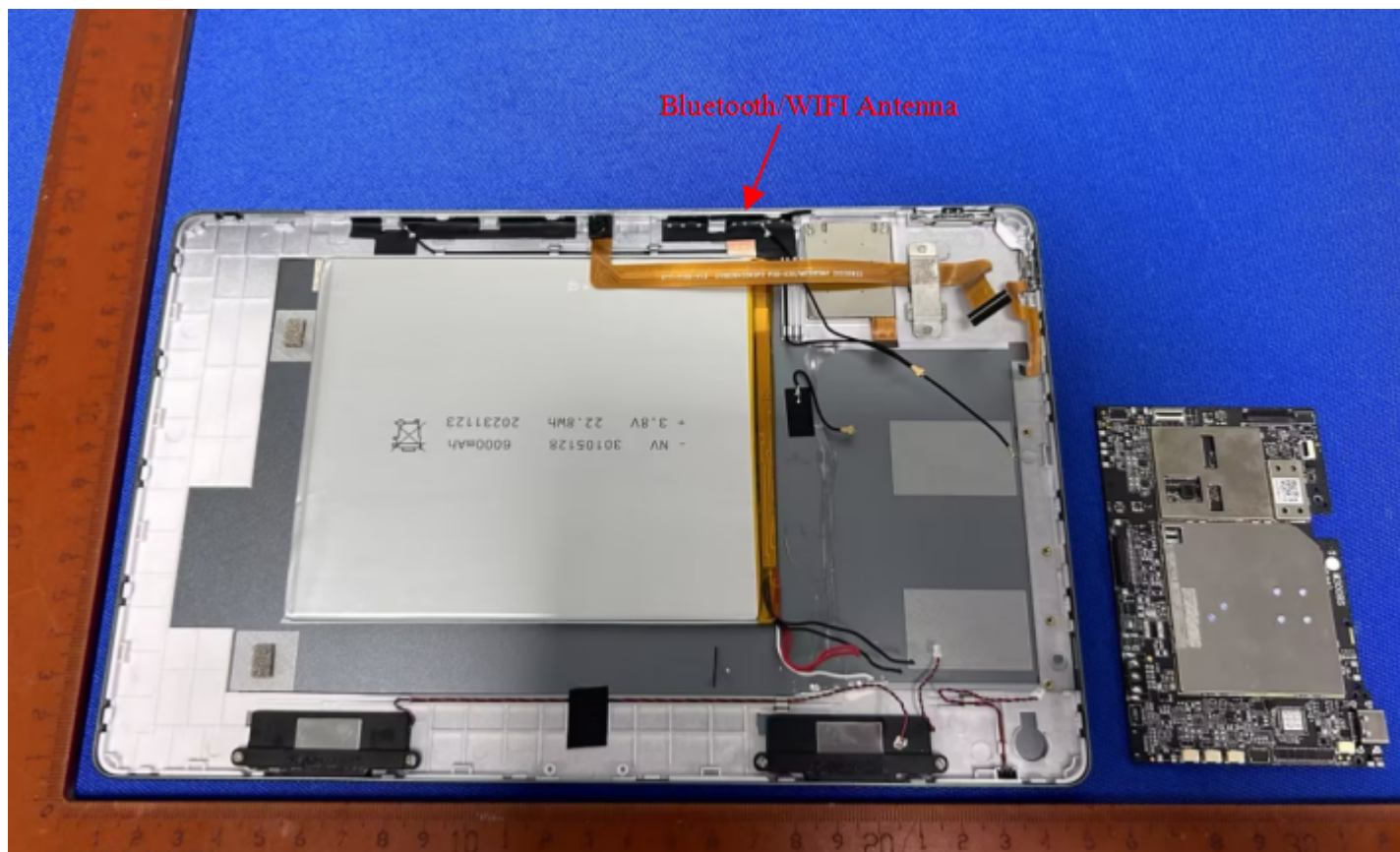
Report Date: 2024. 07. 12

Project Introduction

Description

Num.	Function	Frequency Band / MHz	Material / Structure
1	WIFI&Bluetooth	2400MHz-2500MHz 5000MHz-6000MHz	FPC Antenna

Antenna Position

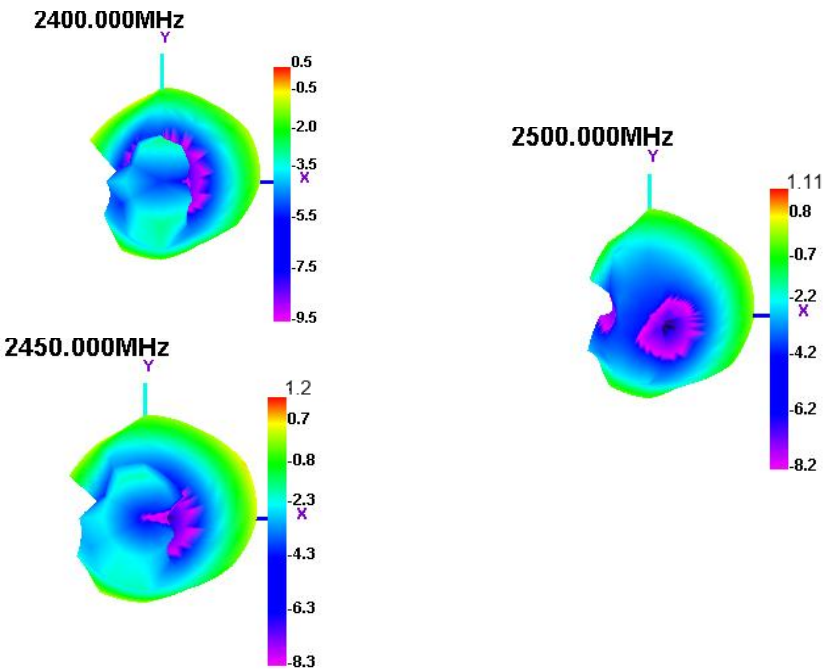


WIFI&Bluetooth Antenna S11



2. 4G WIFI&Bluetooth Efficiency/Gain

Passive Test For 2.4Gwifi			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	39.25	-4.06	0.52
2410	39.99	-3.98	0.48
2420	38.11	-4.19	0.42
2430	37.31	-4.28	0.56
2440	40.86	-3.89	1.14
2450	43.29	-3.64	1.20
2460	41.5	-3.82	1.02
2470	37.77	-4.23	1.09
2480	35.7	-4.47	1.11
2490	37.51	-4.26	0.96
2500	38.3	-4.17	0.82



5GWIFI Efficiency/Gain

Passive Test For 5Gwifi		
Freq (MHz)	Effi (%)	Gain (dBi)
5180	42.59	0.44
5200	40.44	0.32
5240	41.03	0.11
5745	46.45	2.48
5785	45.58	2.36
5825	48.21	2.73

