

Antenna Assessment Report For WIFI

✚ Project Type:
WIFI Antenna Product

Description

2402-2480MHz
5150-5850MHz

✚ Report Date: 2023.3.3

✚ Report Version: 1.0

✚ Prepared by: 仝振

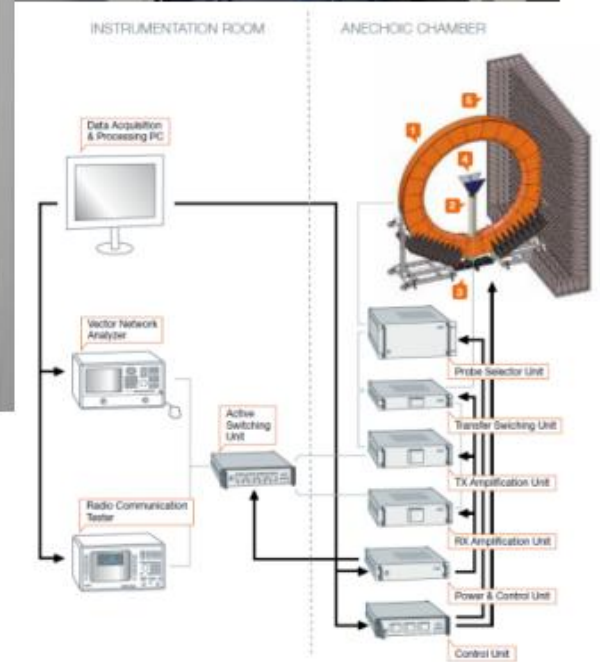
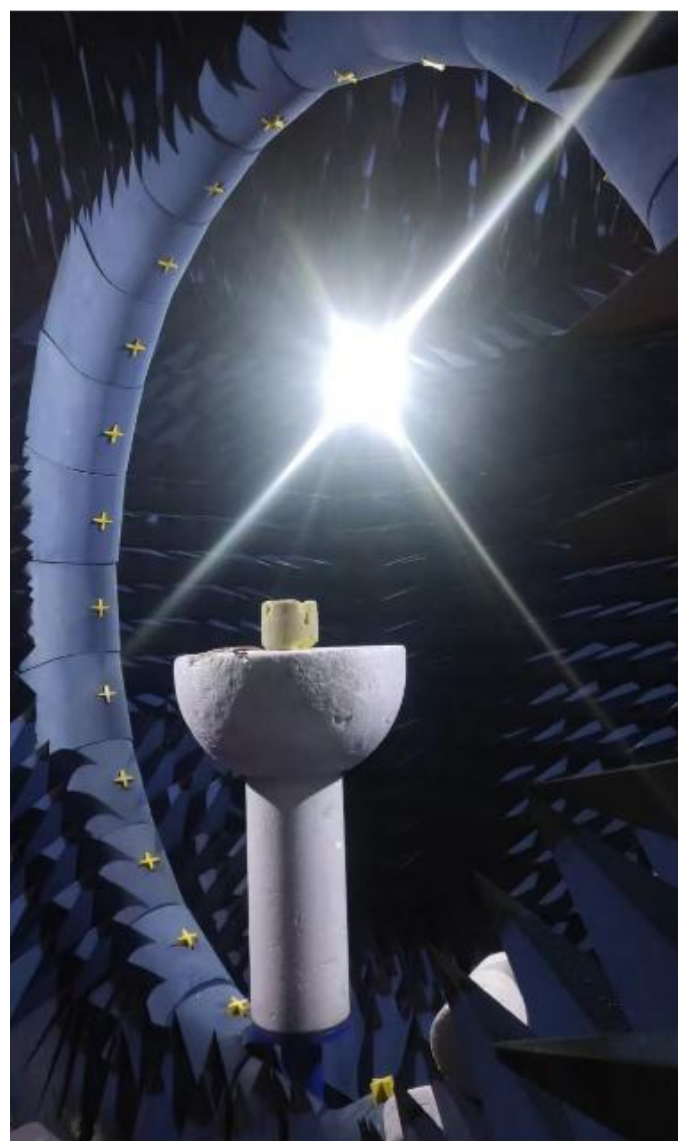
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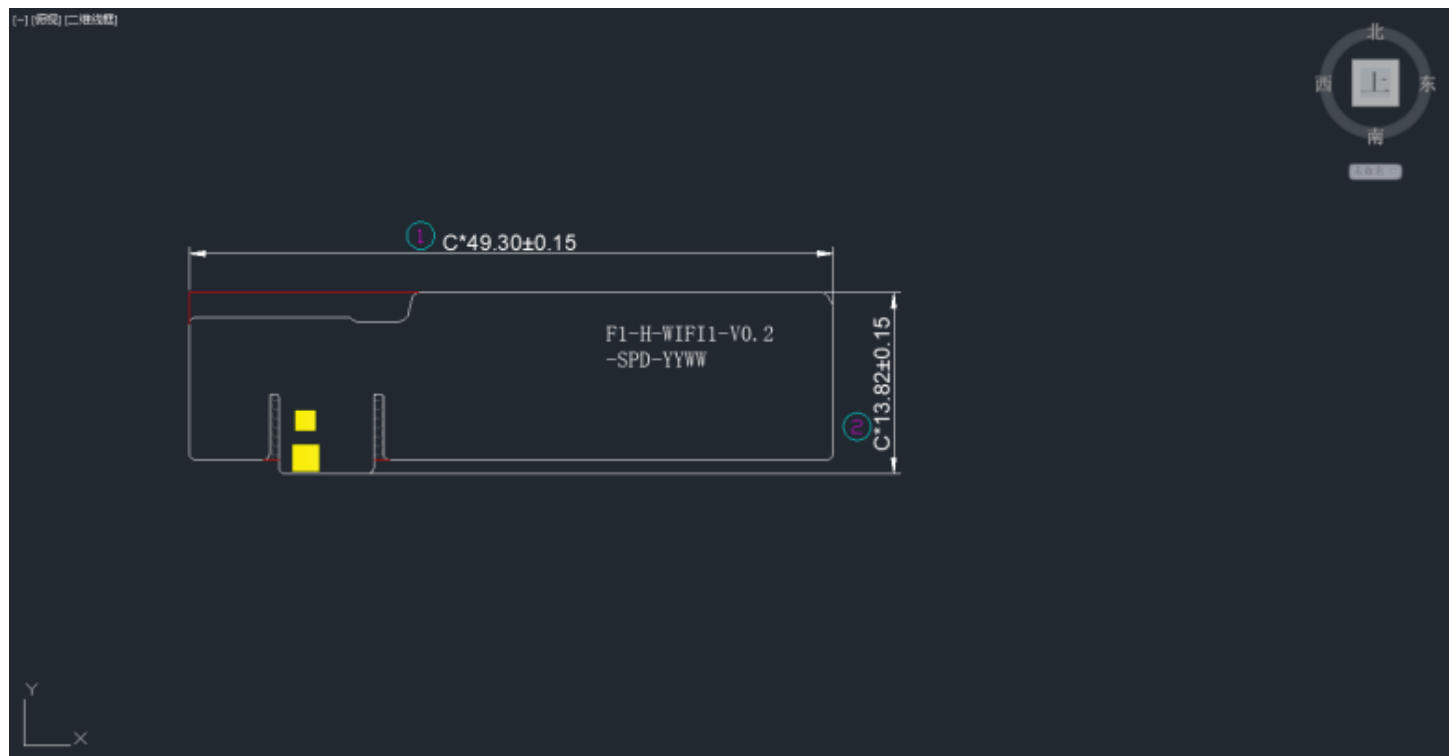
1. Device



2. Antenna appearance figure

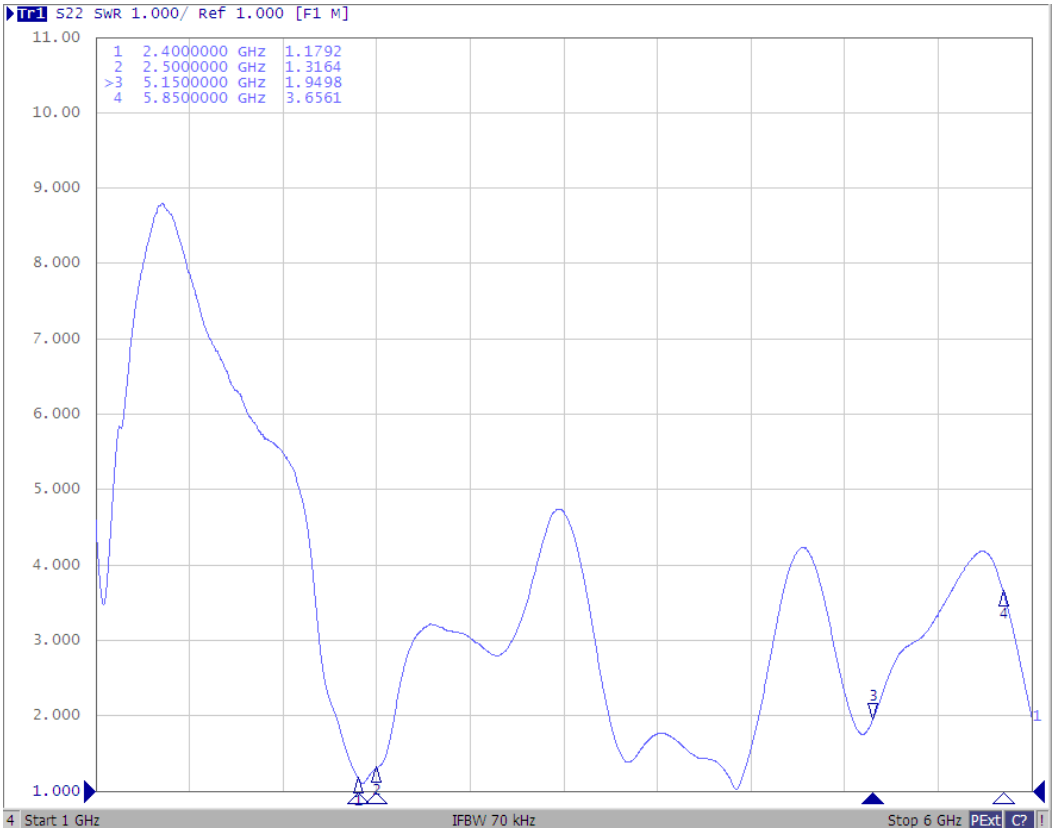
Type of antenna:FPC WIFI1Antenna Gain :1.5dBi

Antenna form: monopole



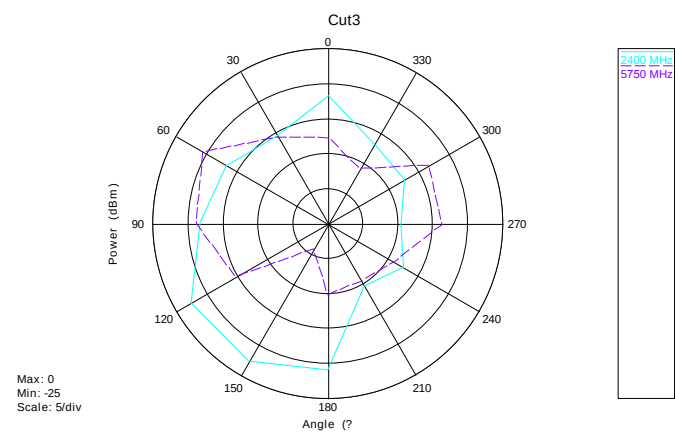
3. The antenna performance

3.1 AntennaSWR

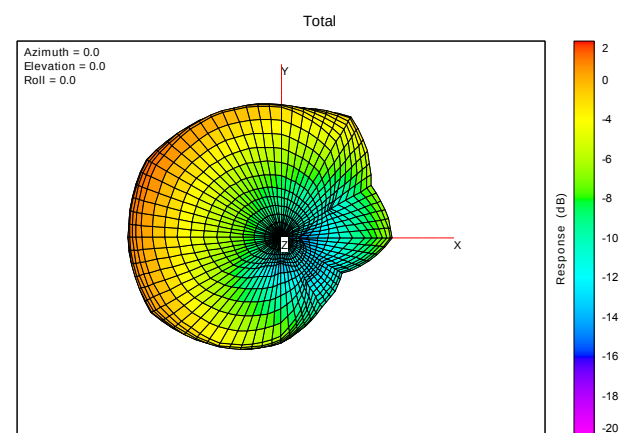


3.2 Antenna radiation pattern

2D 2400MHz/5750MHz



3D 6200MHz



4.Antennaefficiencygain:

WIFI1		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	35.6	1.5
2410	35.9	1.4
2420	36.9	1.5
2430	37.6	1.5
2440	38.5	1.5
2450	39.3	1.5
2460	39.7	1.4
2470	39.8	1.3
2480	38.7	1.1
2490	38.8	1.1
2500	37.8	0.9
5150	13.4	-3.4
5200	15.9	-2.7
5250	18.4	-2.5
5300	18.7	-1.2
5350	23.1	0.2
5400	24.2	0.4
5450	25.7	-0.1
5500	24.9	0.2
5550	23.8	-1.7
5600	25.7	-0.9
5650	28.5	-0.8
5700	27.9	0.2
5750	29.3	1.5
5800	28.3	0.0
5850	27.2	0.1
5900	26.2	0.2
5950	26.1	0.3
6000	25.1	0.4
6100	25.3	0.5
6200	25.6	0.7
6300	25.9	0.3
6400	24.2	1.5
6500	24.4	1.0
6600	24.6	1.2
6700	24.1	0.8
6800	24.3	0.3
6900	25.9	0.6
7000	25.4	0.9