

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

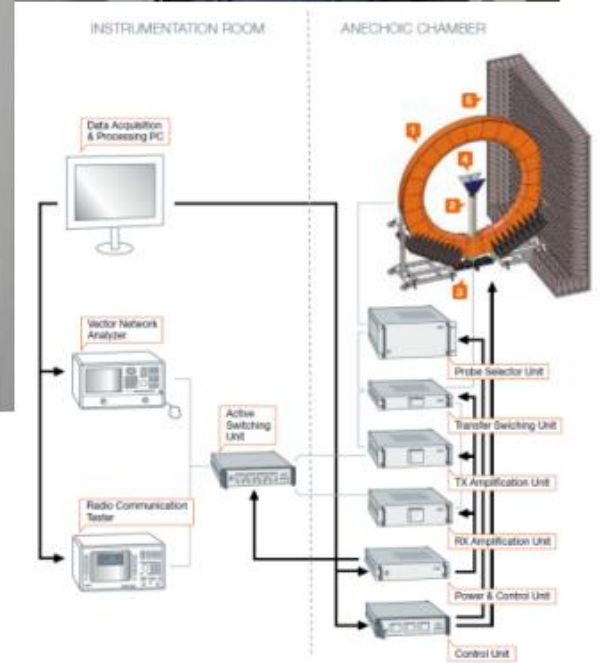
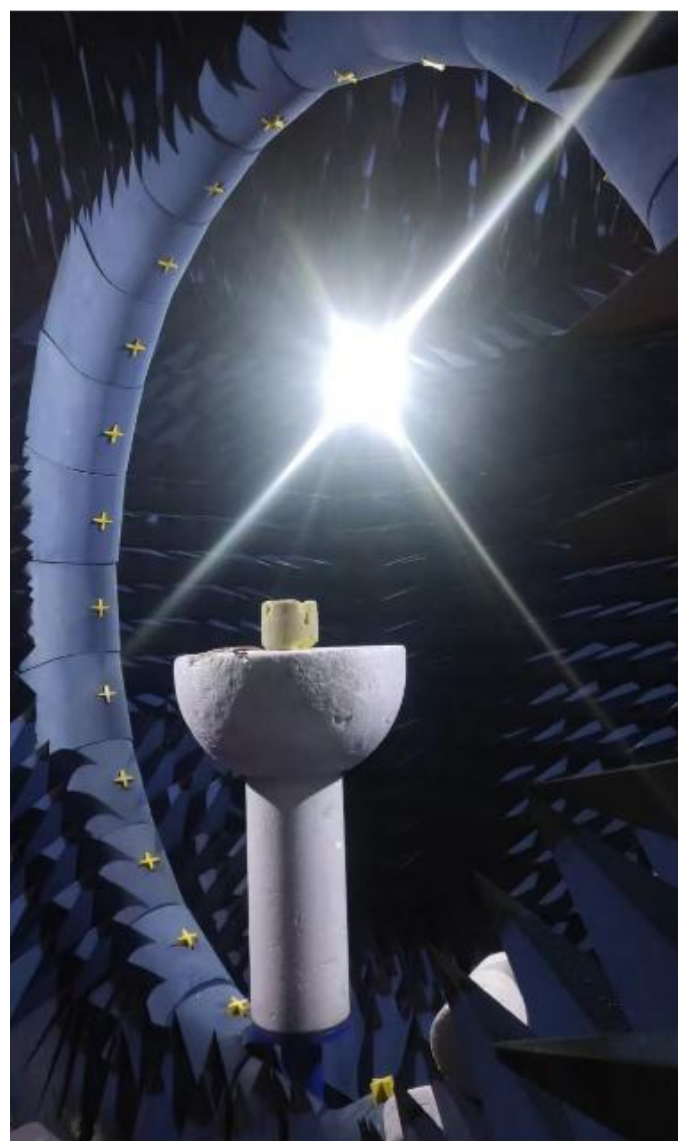
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贝德无线科技股份有限公司

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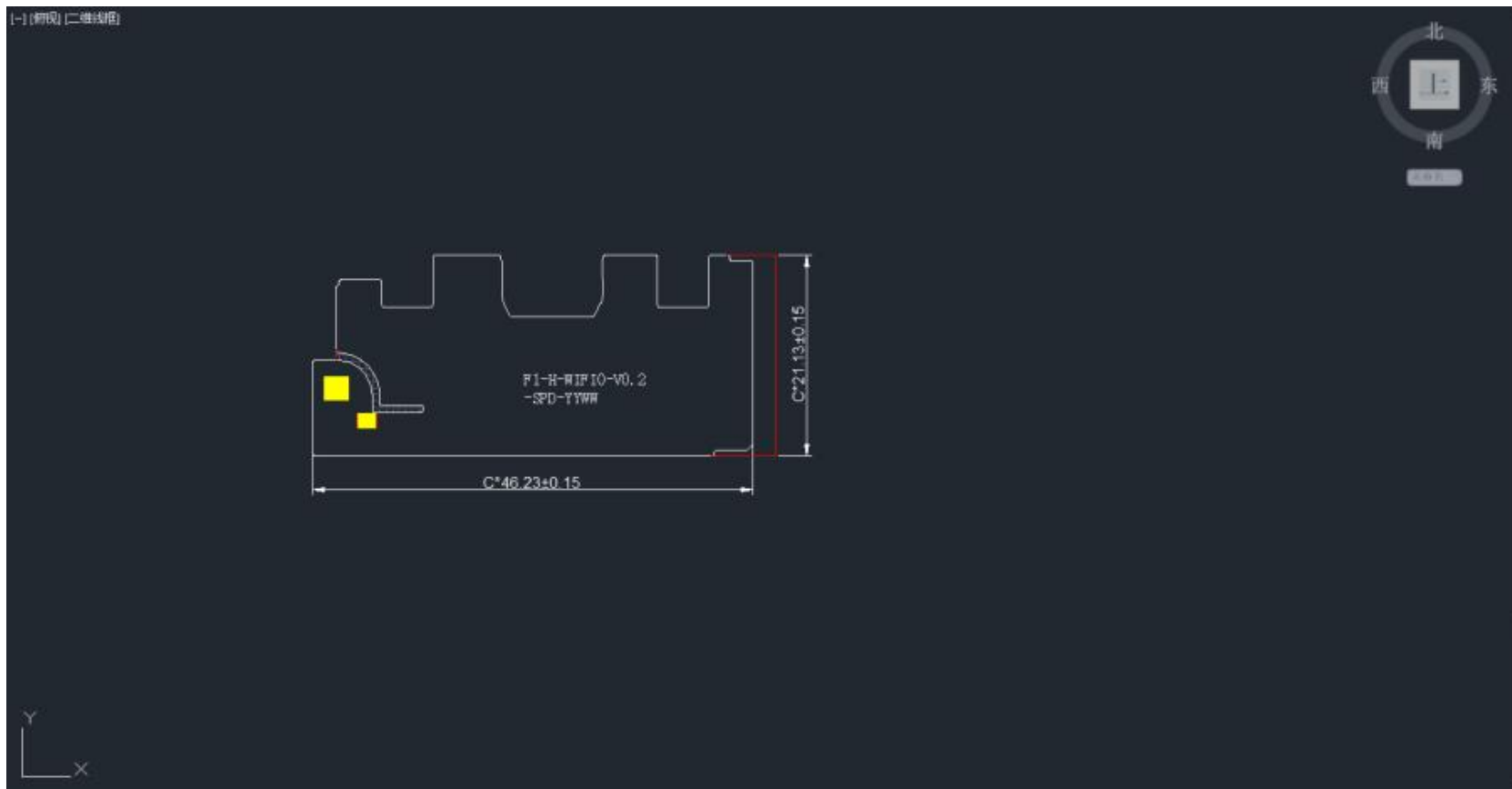
1. Device



2. Antenna appearance figure

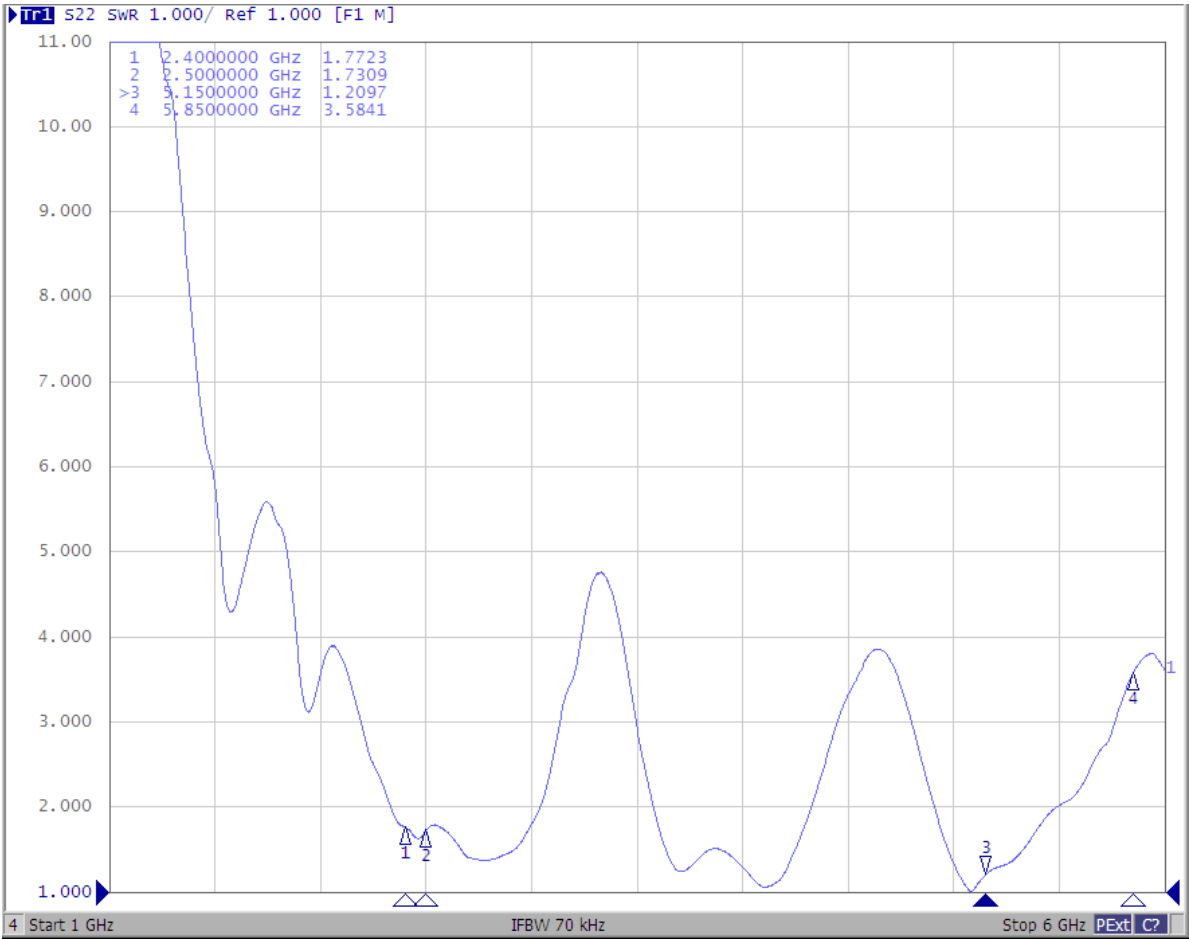
Type of antenna:FPC WIFI Antenna Gain :1.1dBi

Antenna form: monopole



3. The antenna performance

3.1 AntennaSWR

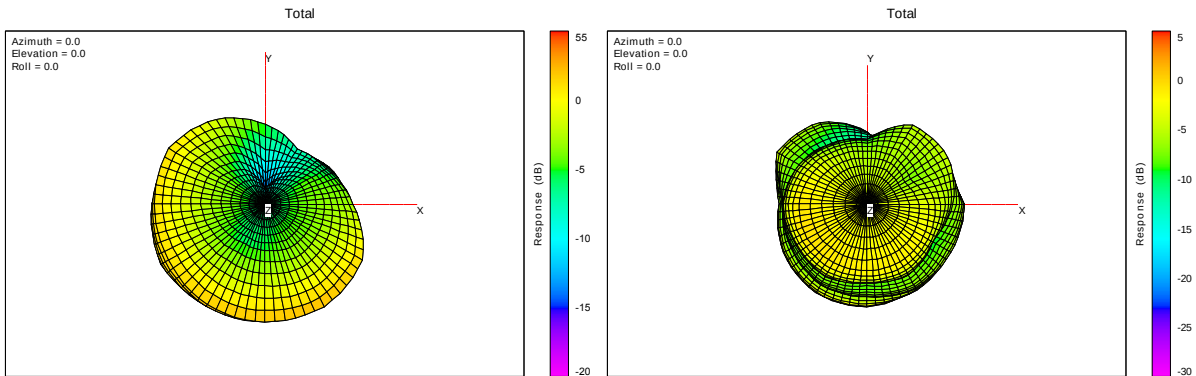


3.2 Antenna radiation pattern

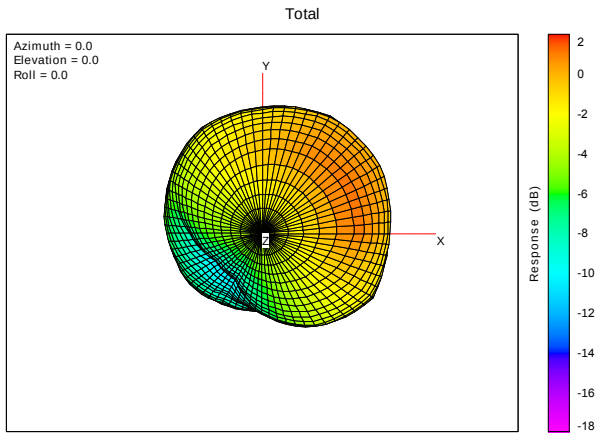
3D

2430

5250



6400



4. Antennae efficiency gain:

WIFI0		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	13.3	-1.2
2410	13.3	-1.1
2420	13.4	-1.1
2430	13.3	1.1
2440	13.4	-1.3
2450	13.4	-1.5
2460	13.8	-1.5
2470	14.1	-1.6
2480	14.3	-1.7
2490	15.1	-1.6
2500	15.3	-1.8
5150	19.1	-1.7
5200	22.5	-1.0
5250	24.8	1.1
5300	25.4	-1.2
5350	26.1	-1.1
5400	22.6	-1.5
5450	18.7	-2.9
5500	16.4	-2.9
5550	15.1	-3.5
5600	17.0	-3.5
5650	19.0	-2.5
5700	17.3	-2.4
5750	19.7	-3.0
5800	20.4	-1.7
5850	22.6	-0.6
5900	22.9	-0.9
5950	22.2	-0.8
6000	23.4	-0.9
6100	22.2	-2.9
6200	21.4	-1.7
6300	20.2	-1.6
6400	20.7	1.1
6500	21.5	-1.7
6600	19.5	-1.7
6700	18.3	1.1
6800	18.1	-1.7
6900	18.6	-1.5
7000	18.3	-1.5