Circuit Test Report

Customer Name: 847
Project model: CF-XR181
Assessment date: 2024-02-20

Version records

edition	content	Reason for update	date
1.0	Antenna test	initial issue	2024-02-20

catalogue

customer name：	847
project name	CF-XR181
Number of antennas	2
Radio frequency band	2400-2500/5150-5850 MHz
structural style	FPC antenna

2.4G antenna structure diagram

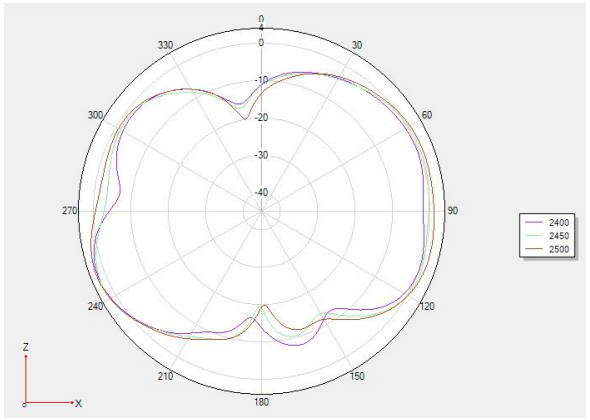
2.4G antenna network test diagram

2.4G antenna passive test data

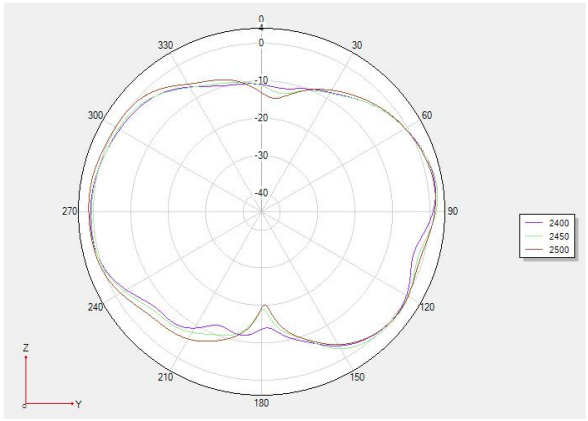
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	74.47	2.59
2410	72.17	2.56
2420	75.11	2.76
2430	70.91	2.39
2440	72.07	2.75
2450	75.7	2.46
2460	73.62	2.85
2470	70.91	2.6
2480	75.62	2.72
2490	73.75	2.43
2500	73.51	2.68

Antenna test 2/3D diagram

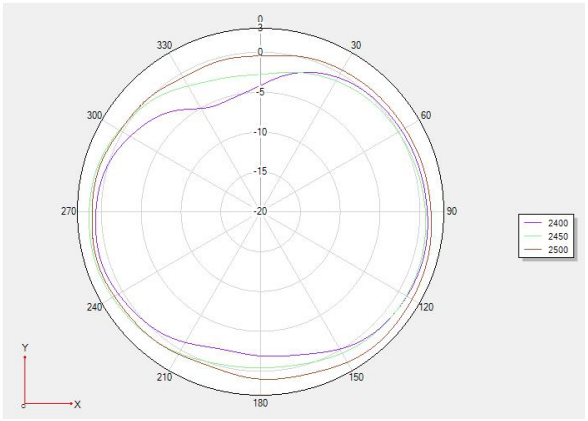
Phi02D graph



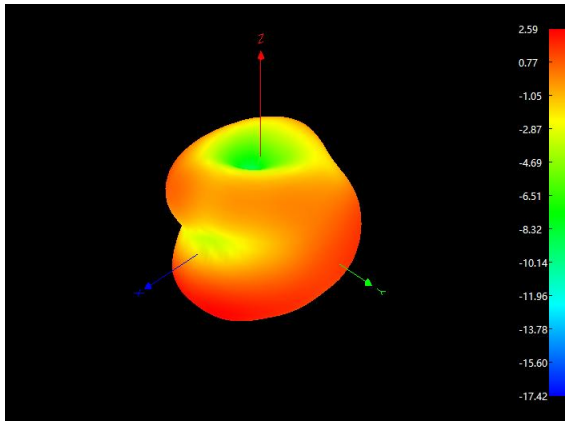
Phi902D graph



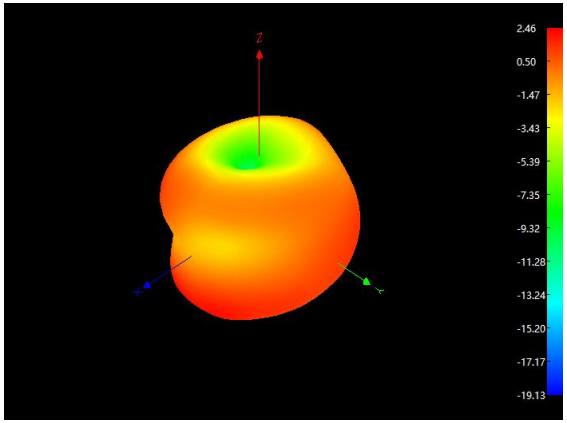
Theta902D graph



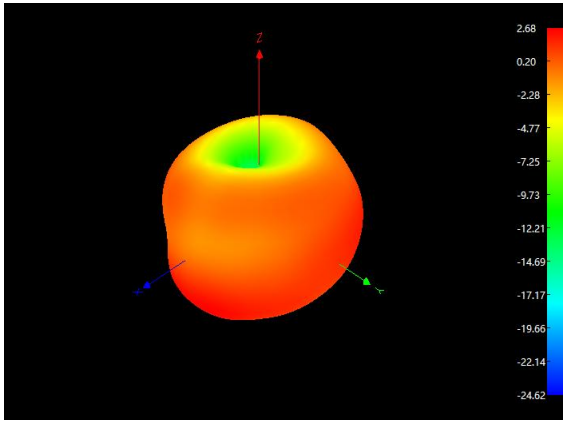
2400



2450



2500



5.8G antenna structure diagram

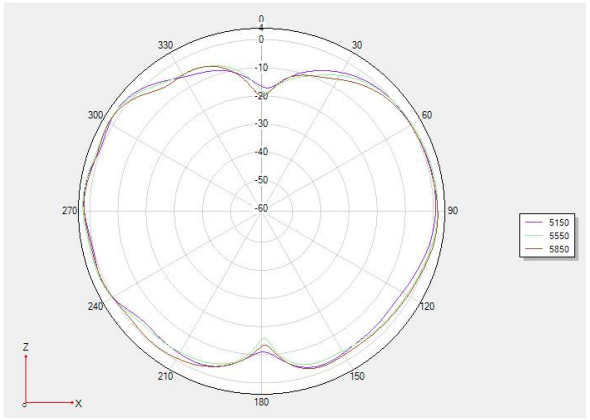
5.8G antenna network test diagram

5.8G antenna passive test data

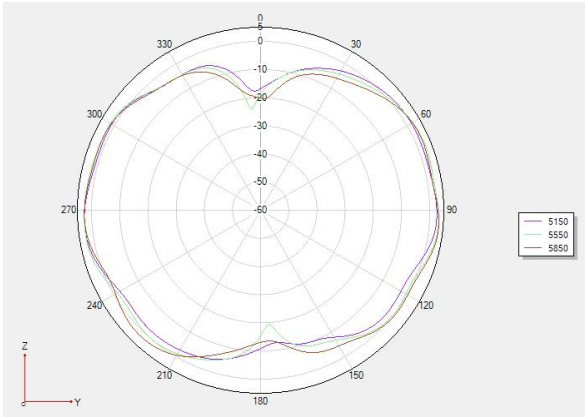
Frequency / MHz	Efficiency / %	Gain/ dBi
5150	70.3	3.04
5250	71.21	3.15
5350	72.09	3.15
5450	70.86	3.46
5550	71.74	3.18
5650	71.74	3.54
5750	72.28	3.17
5850	72.45	3.29

Antenna test 2/3D diagram

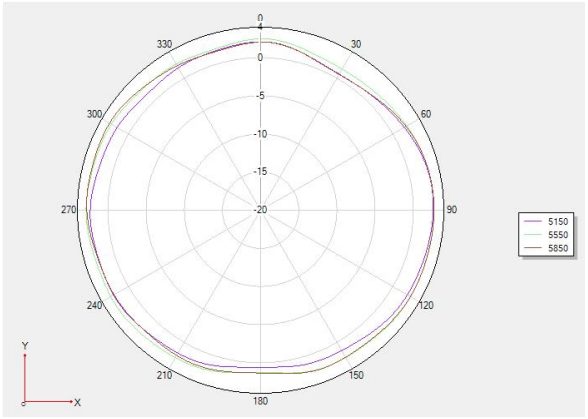
Phi02D graph



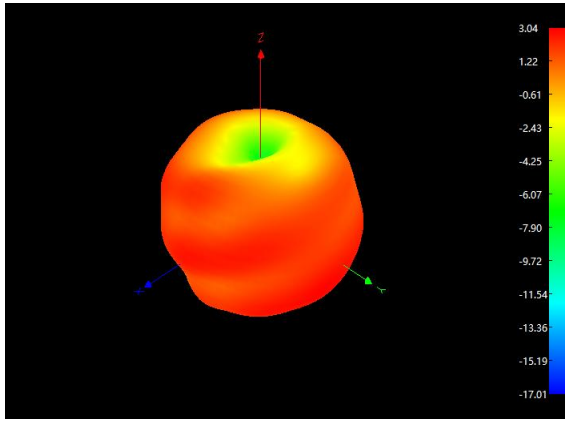
Phi902D graph



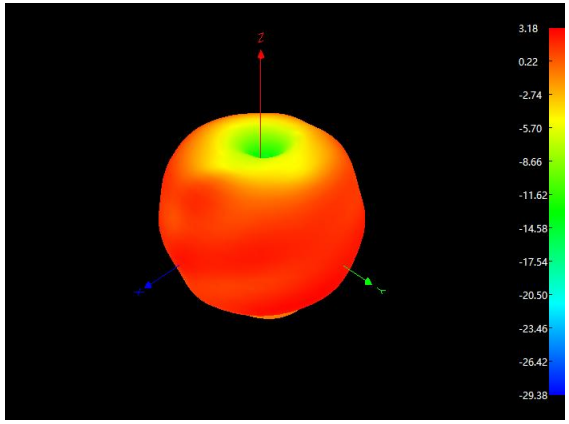
Theta902D graph



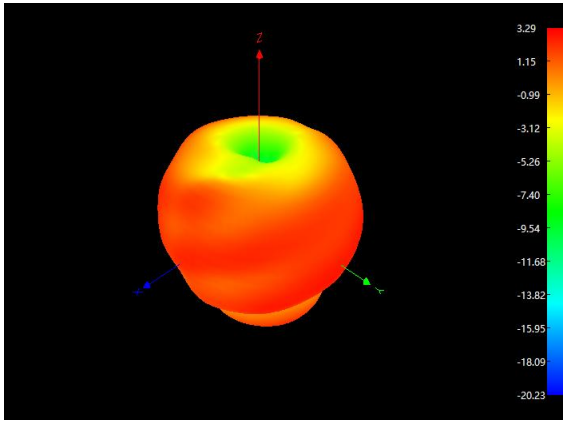
5150



5550



5850



thanks !

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