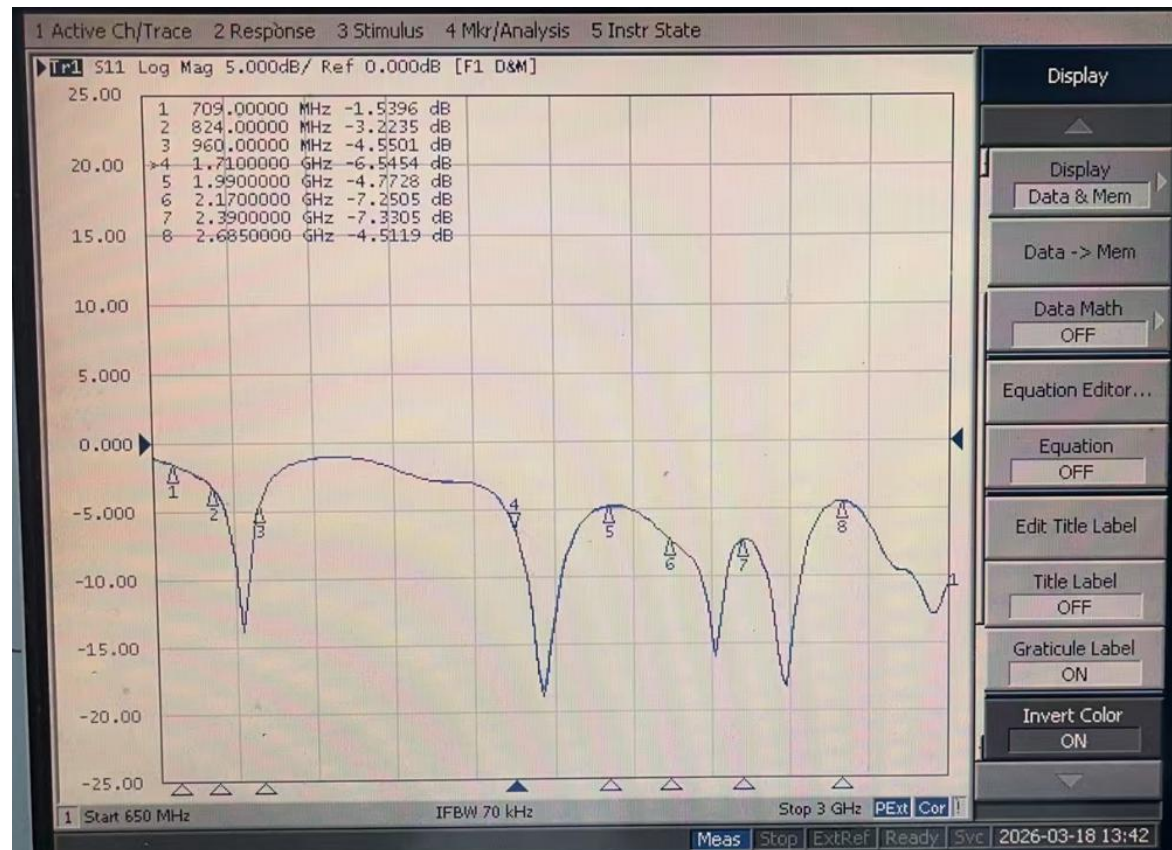


一、 Overview

This report includes the basic parameters and performance of the P16 project antenna (version v1.0)

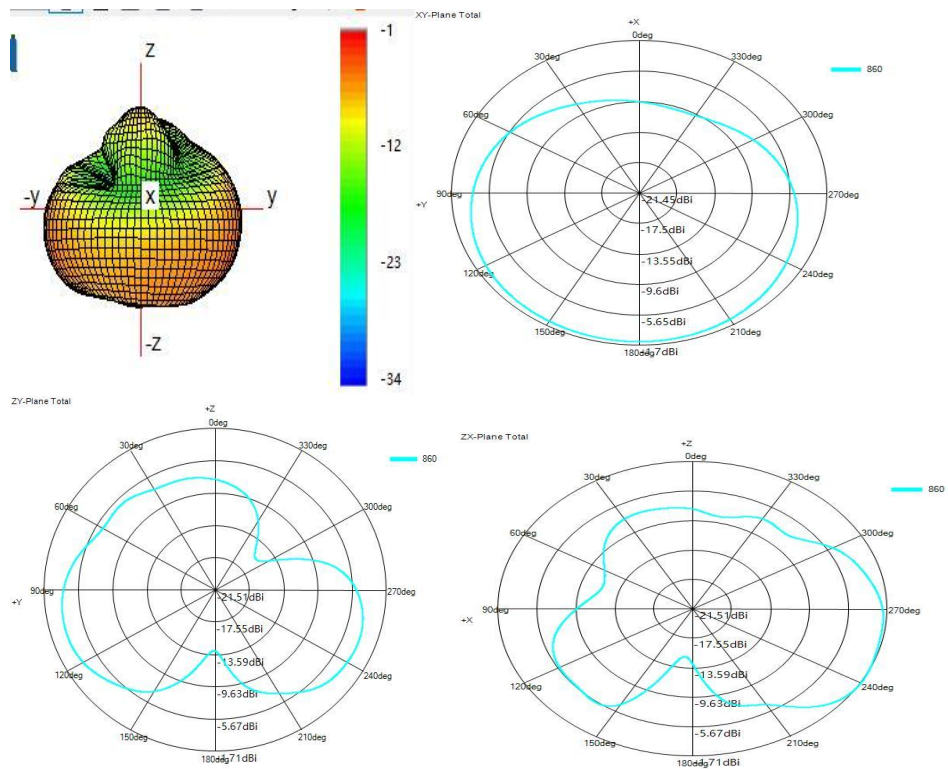
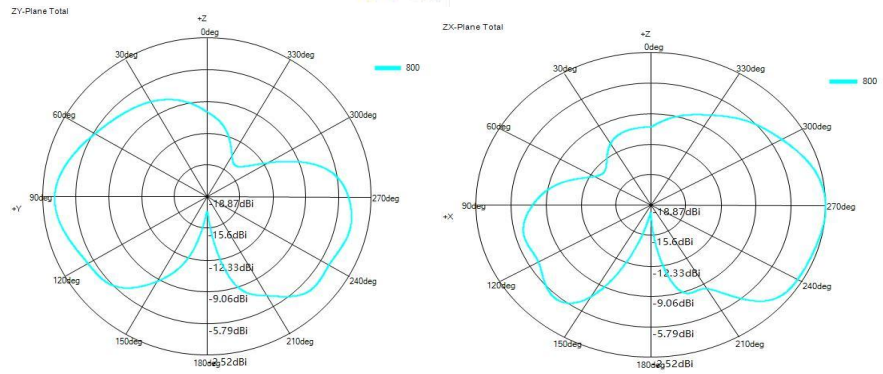
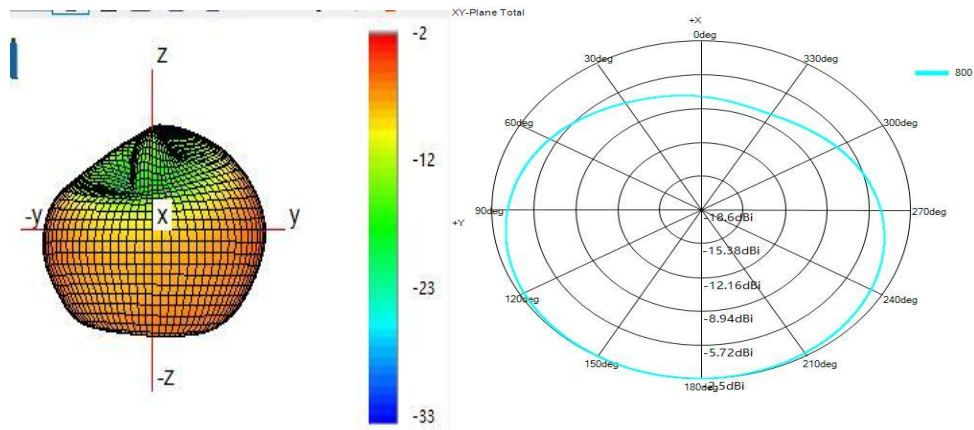
二、 Main antenna test data

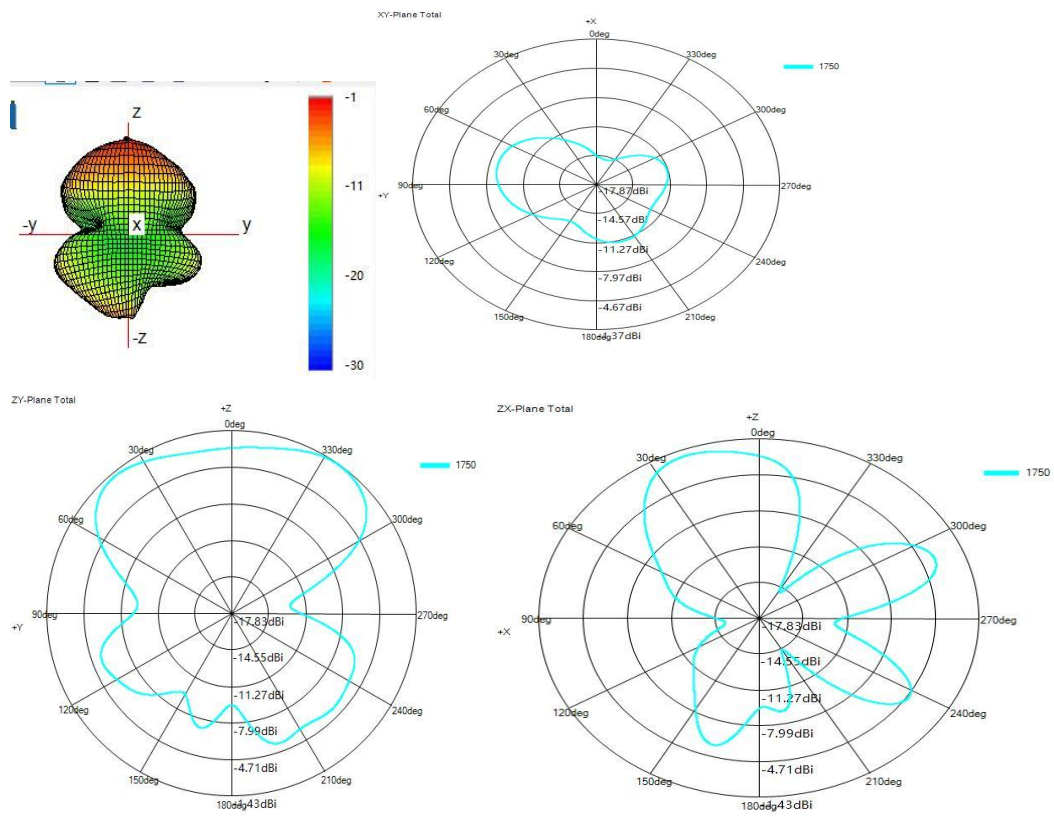
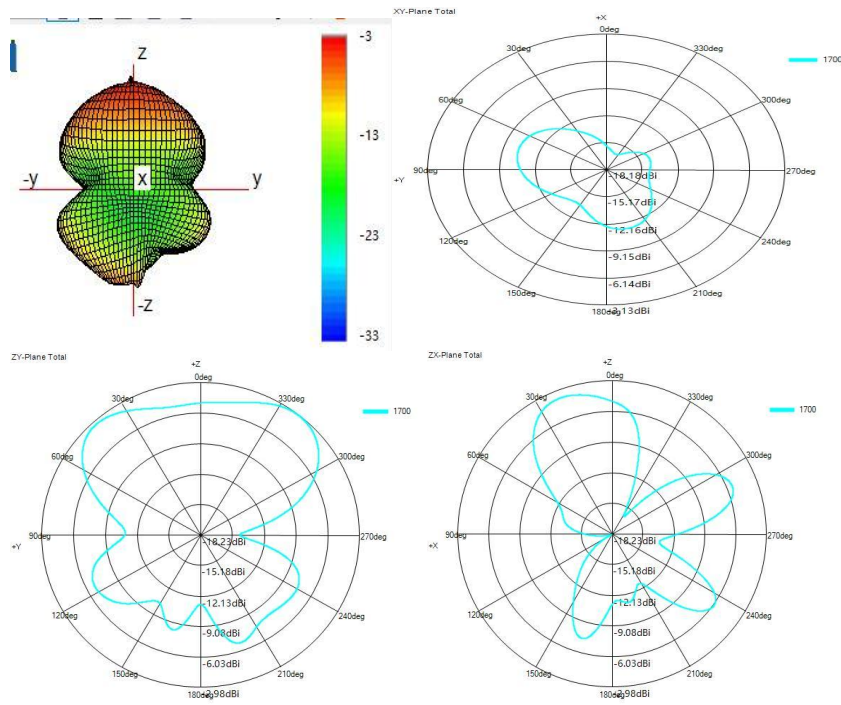


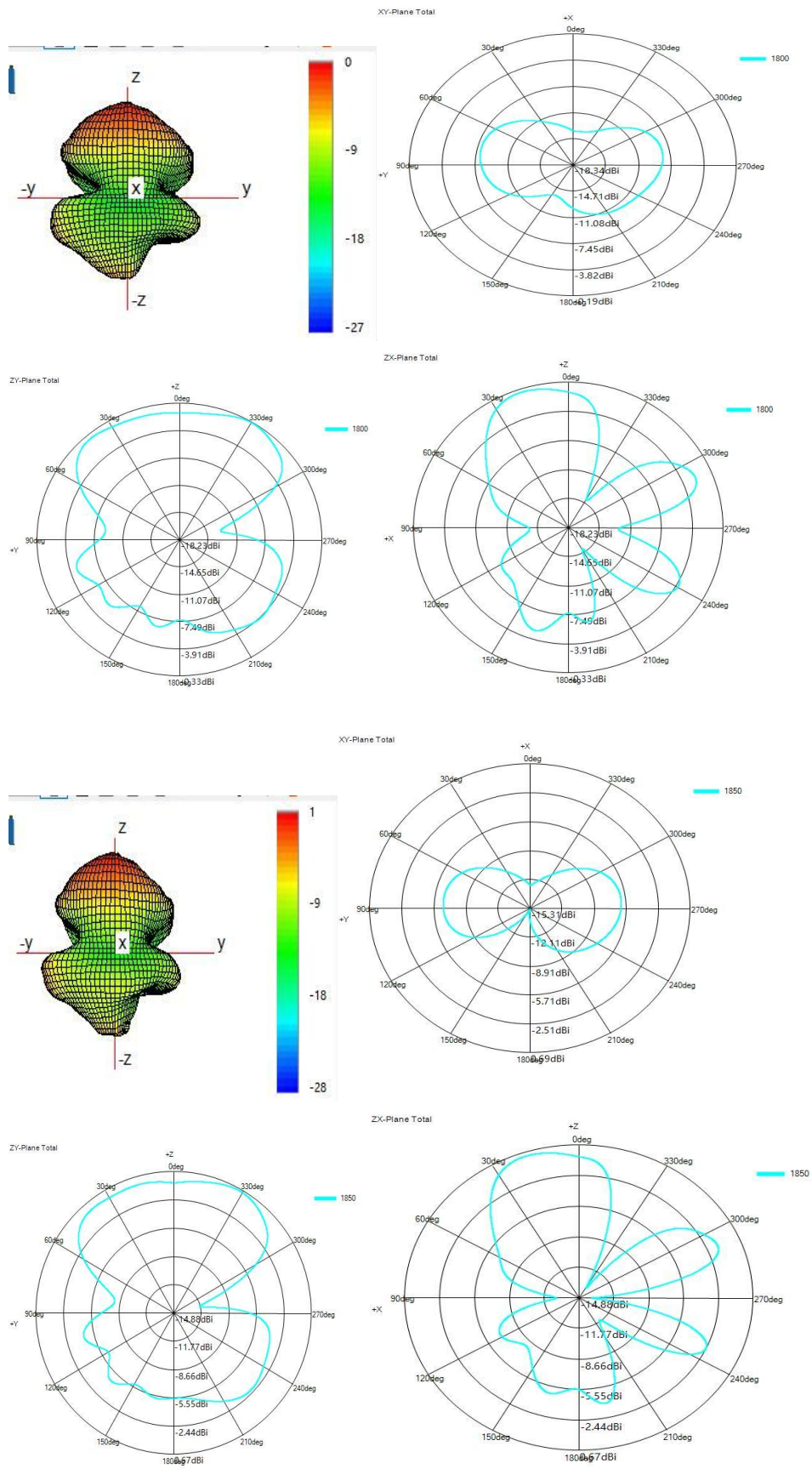
2.1 Passive efficiency and gain of the main antenna

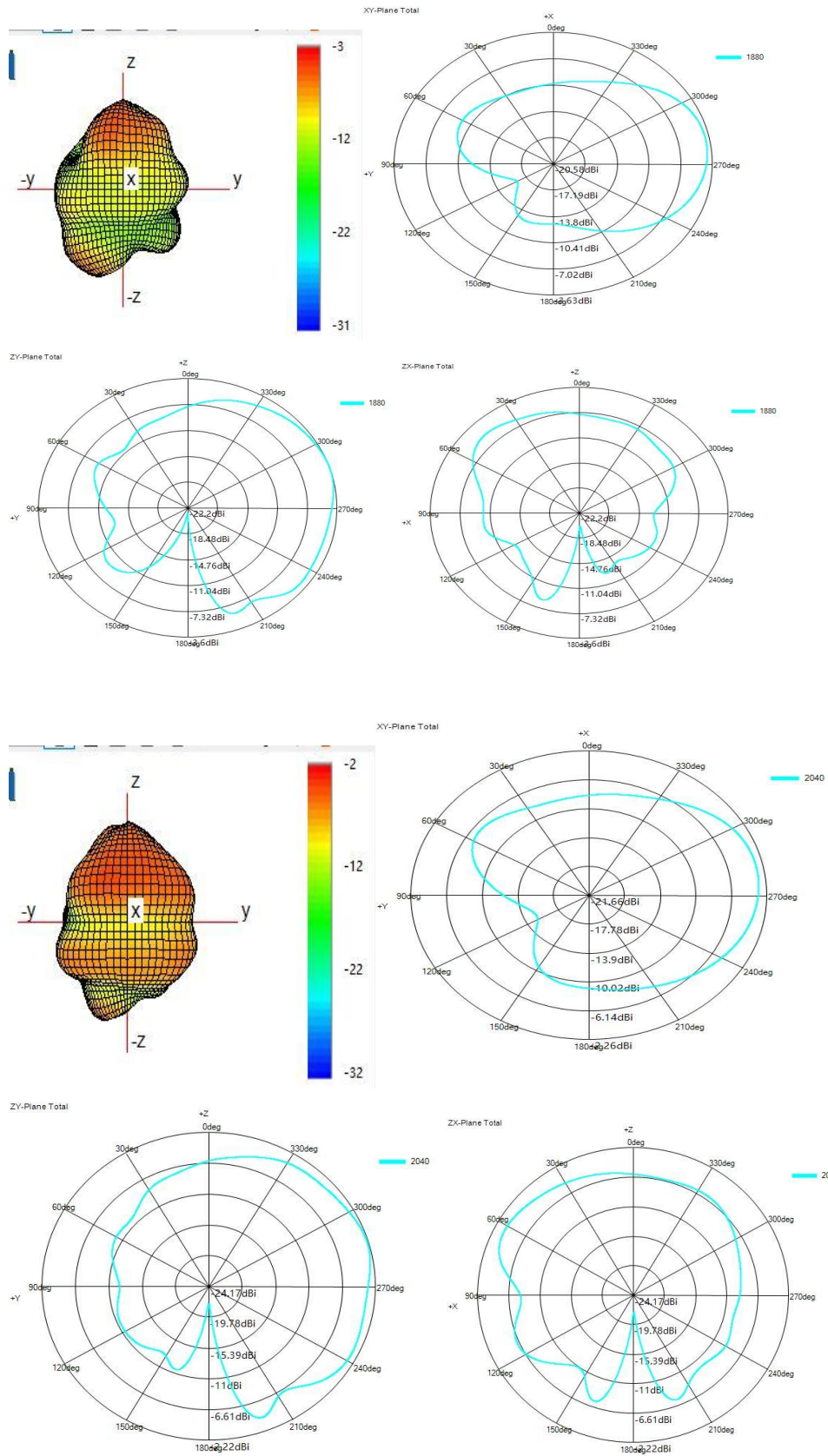
Freq(MHz)	Gain(dBi)	Efficiency(%)	Efficienc (dB)
820	-2.9	24.6	-6.1
830	-2.5	26.2	-5.8
840	-2.4	27.0	-5.7
850	-2.5	26.2	-5.8
860	-2.8	24.1	-6.2
870	-3.3	20.9	-6.8
880	-4.1	17.6	-7.6
890	-4.3	20.6	-6.9
900	-3.2	24.0	-6.2
910	-2.2	30.3	-5.2
920	-1.4	29.2	-5.3
930	-0.9	31.0	-5.1
940	-1.1	29.4	-5.3
950	-1.8	29.0	-5.4
960	-2.6	25.0	-6.0

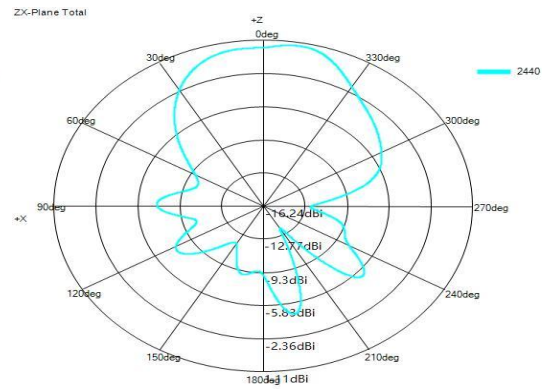
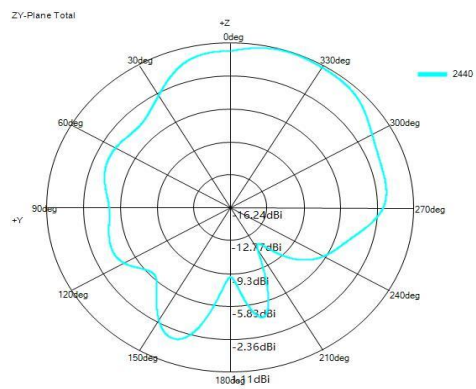
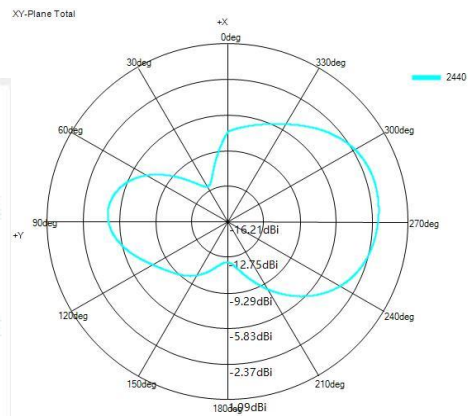
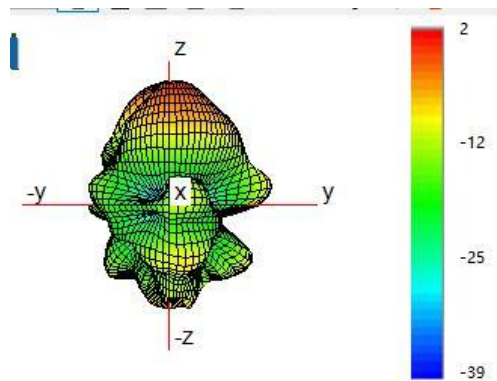
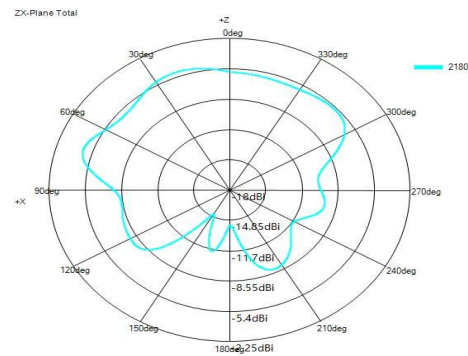
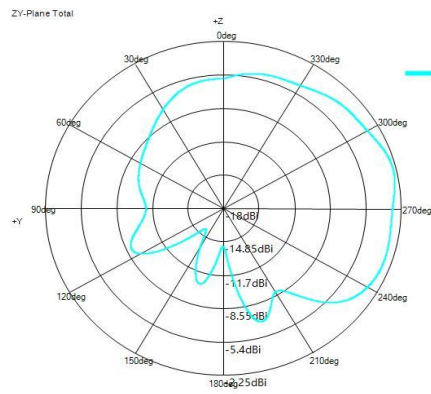
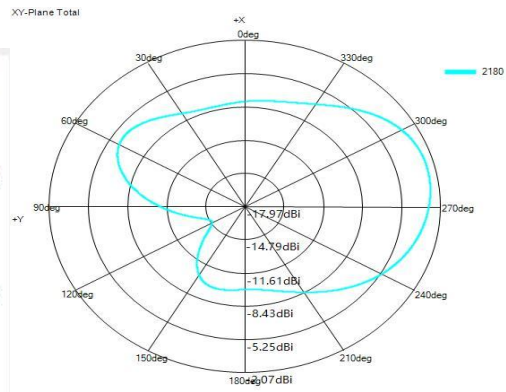
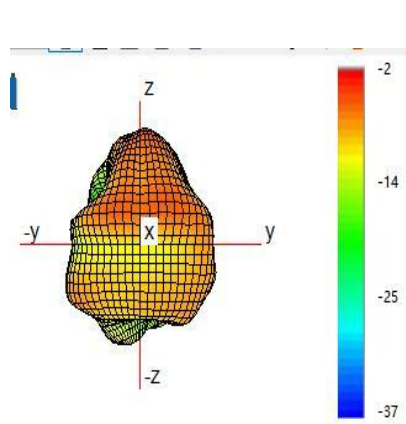
Freq(MHz)	Gain(dBi)	Efficienc (dB)	Efficiency(%)
1700	0.1	-5.1	30.7
1720	0.5	-4.8	33.3
1740	1.0	-4.3	37.0
1760	1.2	-4.1	38.7
1780	1.4	-4.1	39.2
1800	1.2	-4.0	39.6
1820	1.0	-4.1	39.3
1840	0.6	-4.2	37.9
1860	0.7	-4.3	36.8
1880	0.5	-4.6	34.8
1900	0.5	-4.7	34.1
1920	0.3	-5.0	31.8
1940	0.2	-5.2	29.9
1960	0.2	-5.3	29.4
1980	0.0	-5.6	27.8
2000	-0.2	-5.7	26.7
2020	-0.2	-5.7	27.0
2040	-0.1	-5.7	26.9
2060	-0.2	-5.8	26.2
2080	-0.4	-6.0	25.2
2100	-0.5	-6.1	24.8
2120	-0.3	-6.0	25.3
2140	-0.2	-6.1	24.7
2160	0.0	-6.1	24.5
2180	0.3	-5.9	25.8
2500	0.1	-5.2	30.0
2520	-0.2	-5.2	30.2
2540	-0.2	-5.2	30.3
2560	0.0	-5.2	30.5
2580	0.2	-5.0	31.3
2600	0.3	-5.0	31.6
2620	0.3	-5.0	31.3
2640	0.0	-5.3	29.8
2660	-0.5	-5.5	28.2
2680	-0.7	-5.6	27.4
2700	-0.5	-5.7	27.2

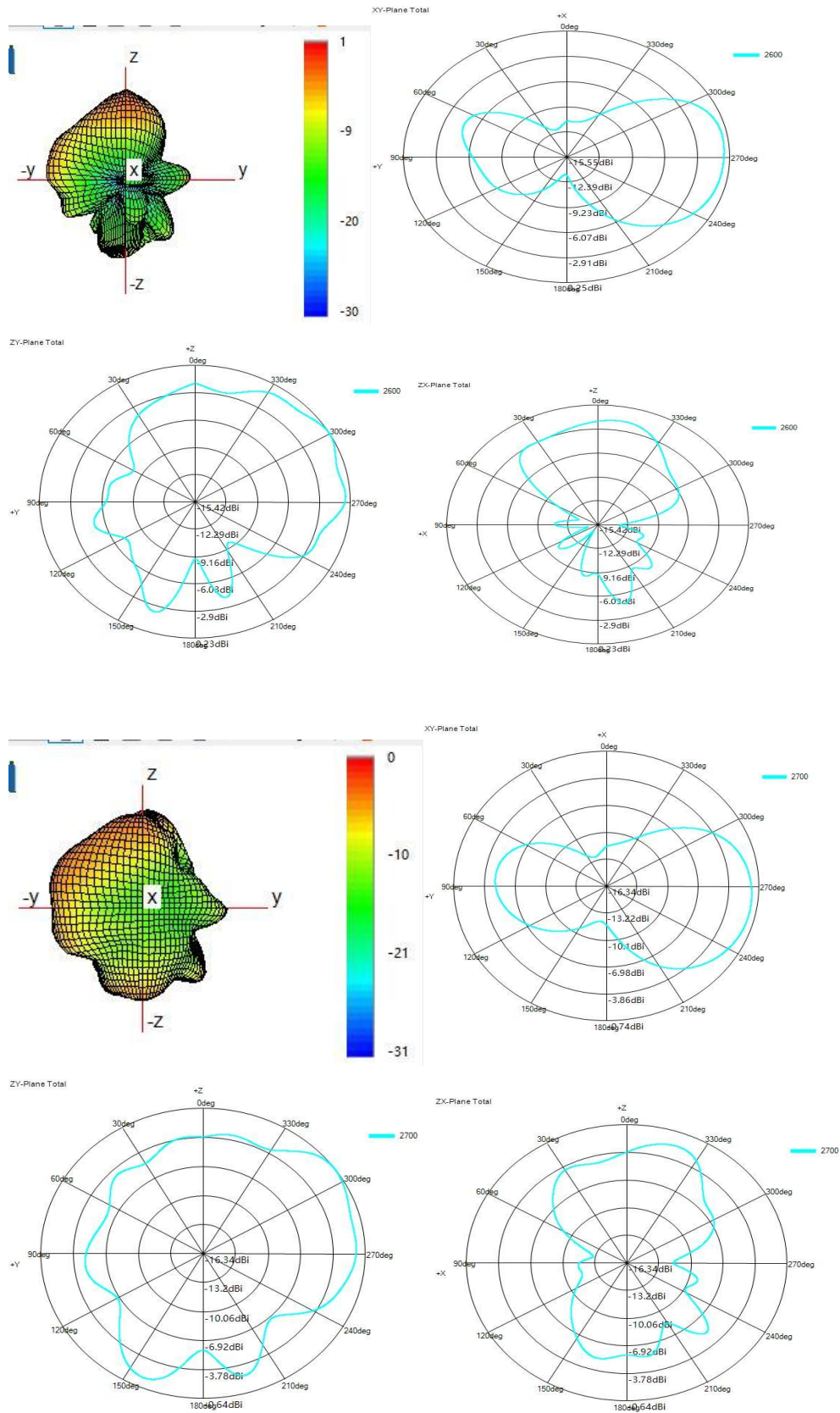




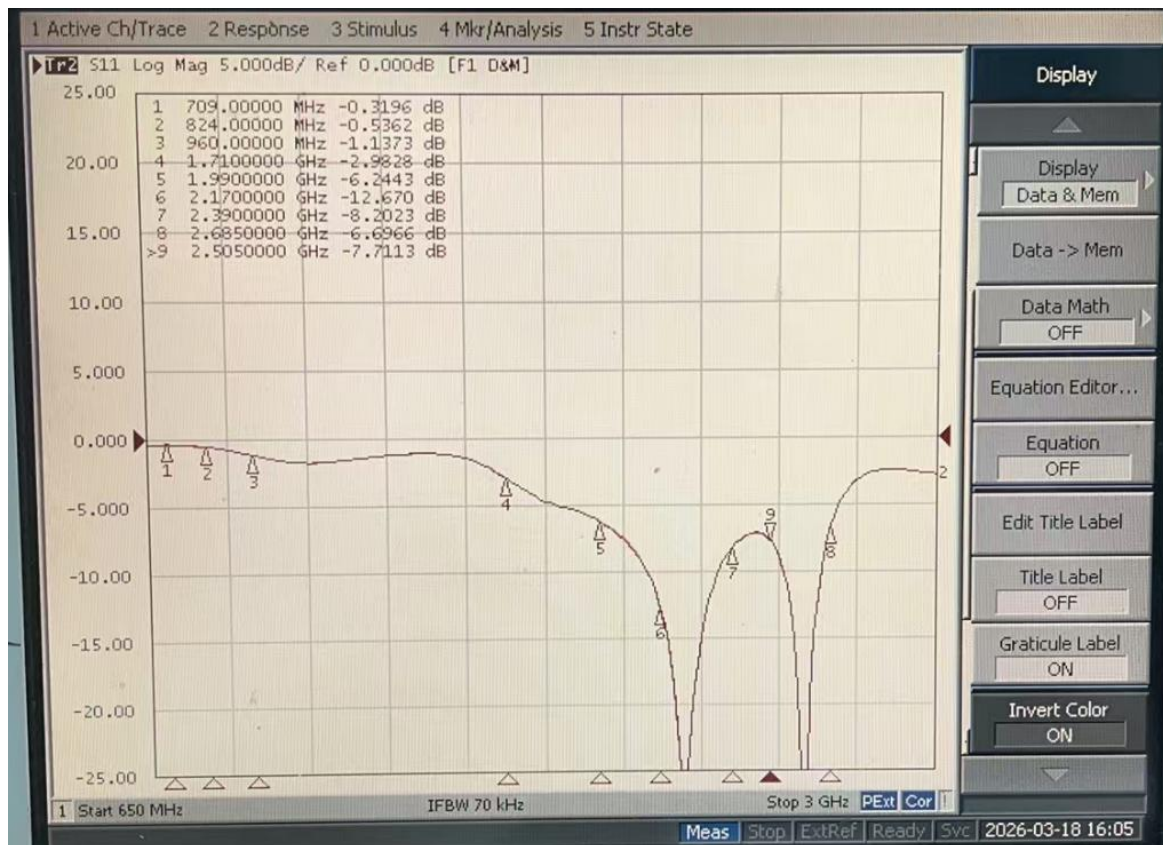






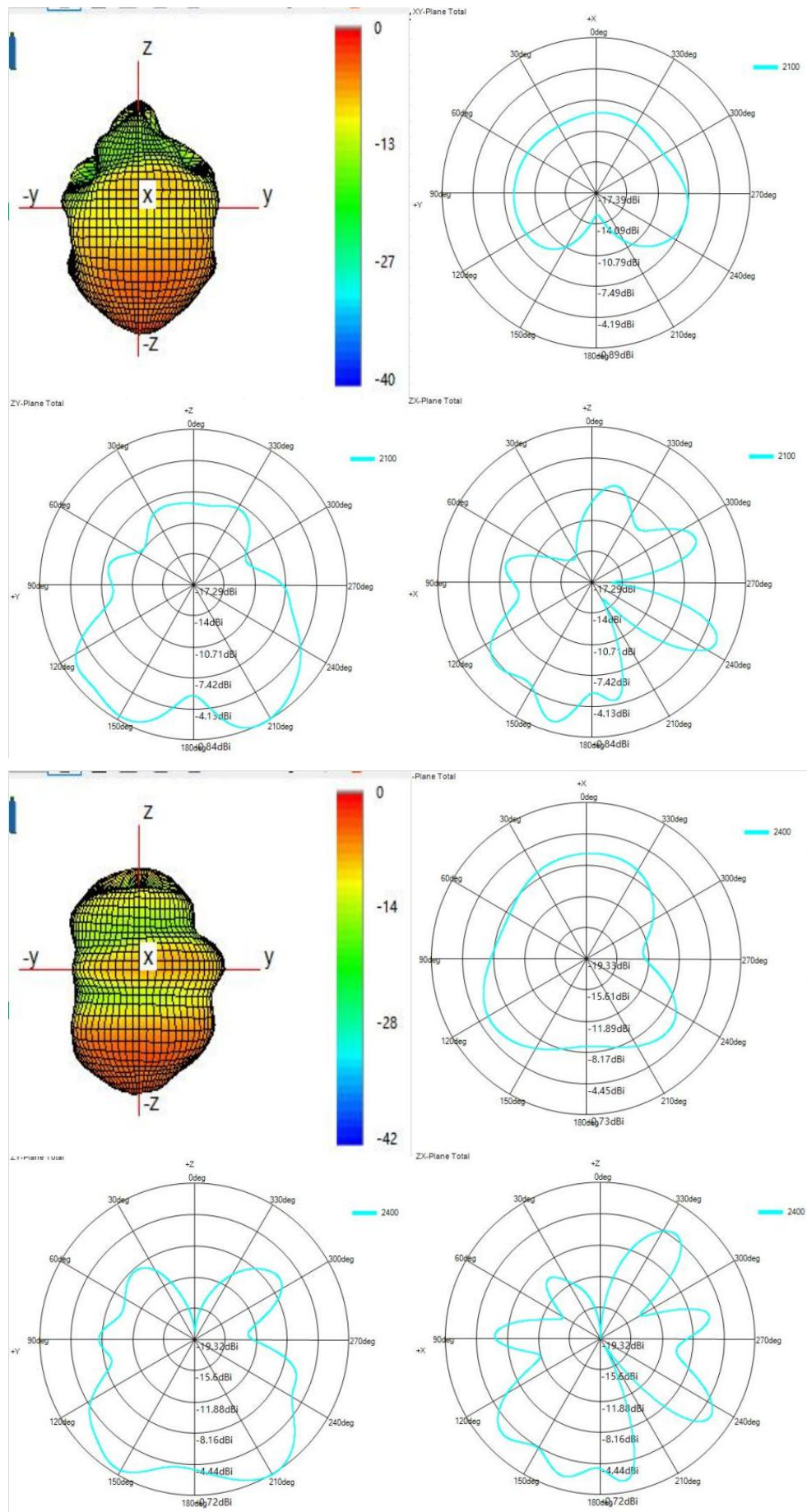


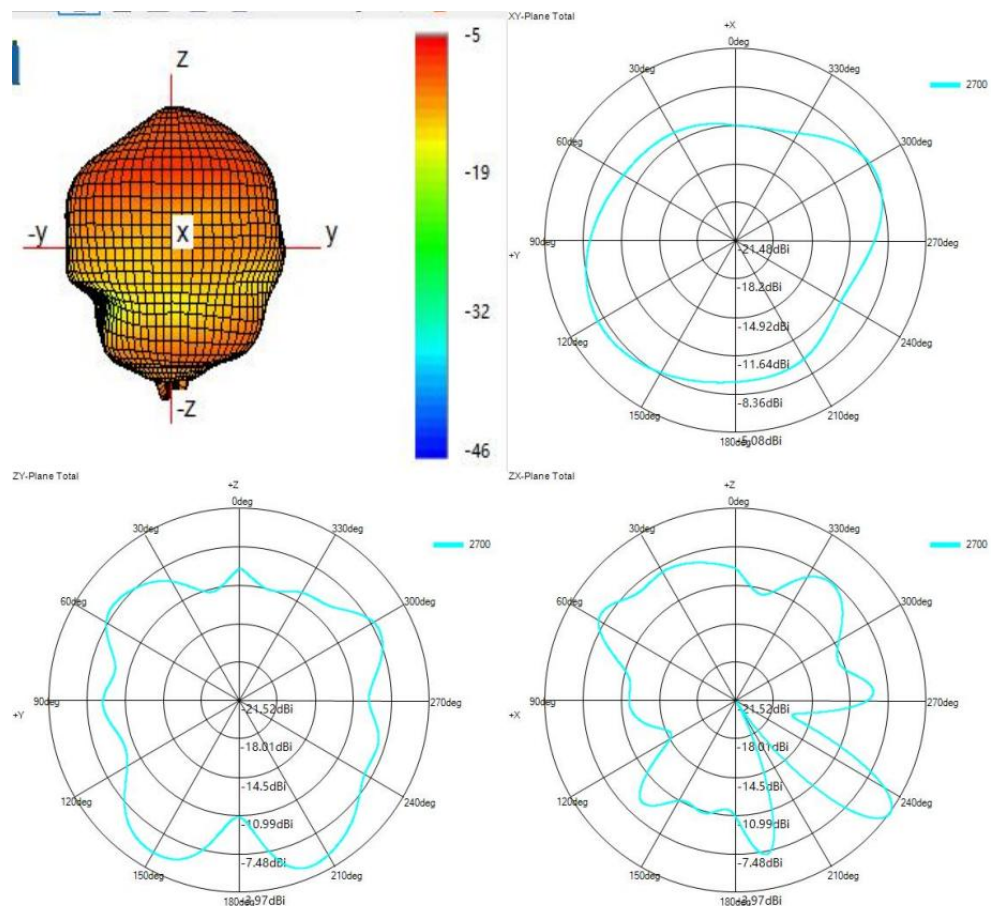
三、 Diversity antenna



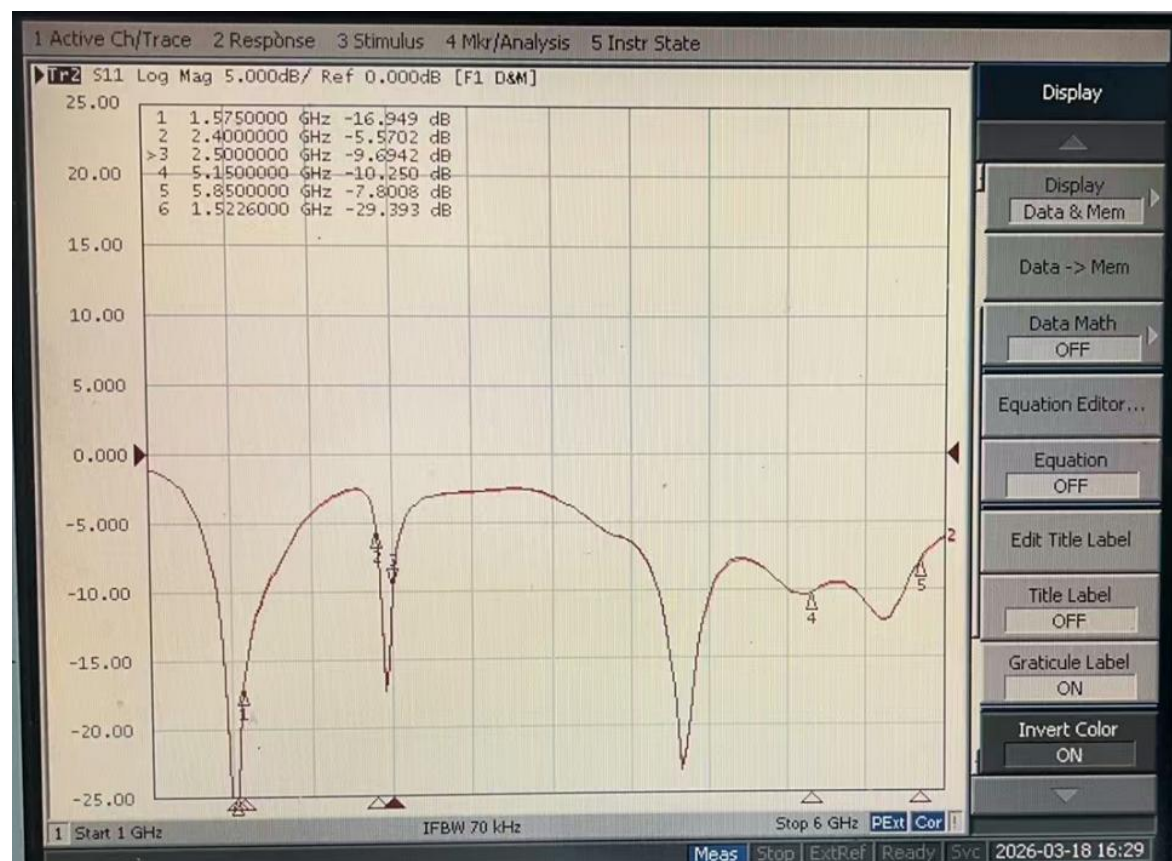
3.1 Passive efficiency and gain of diversity antenna

Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2100	-0.90	-6.31	23.41
2140	0.02	-5.45	28.49
2180	0.04	-5.43	28.67
2220	0.29	-5.19	30.28
2260	0.17	-5.37	29.05
2300	-0.42	-5.79	26.37
2340	-0.74	-6.03	24.96
2380	-0.81	-6.18	24.11
2420	-0.75	-6.39	22.98
2460	-0.43	-6.20	23.97
2500	-0.67	-6.27	23.63
2540	-0.45	-6.00	25.13
2580	-0.79	-6.10	24.58
2620	-1.95	-6.92	20.33
2660	-3.12	-7.41	18.16
2700	-3.87	-7.85	16.41



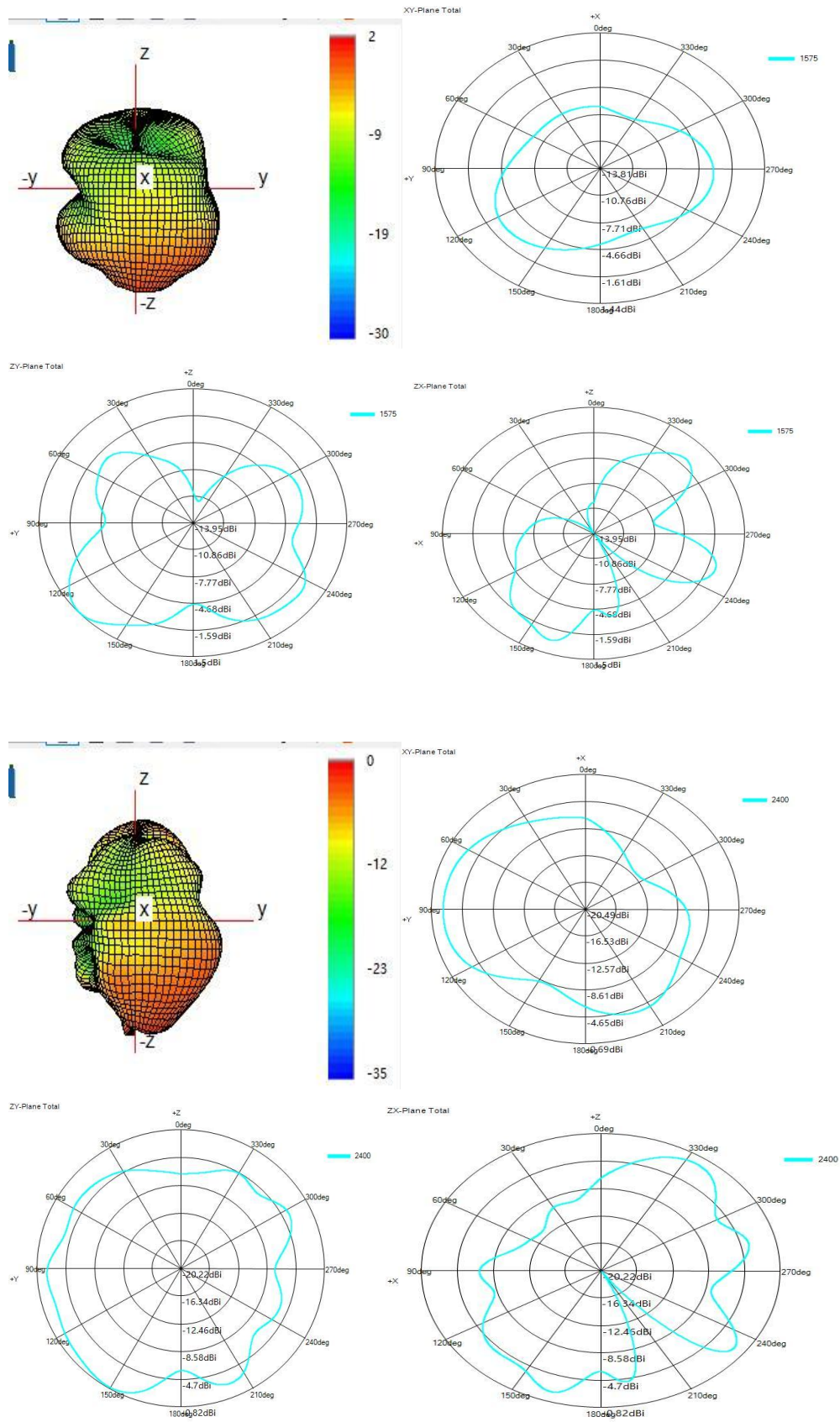


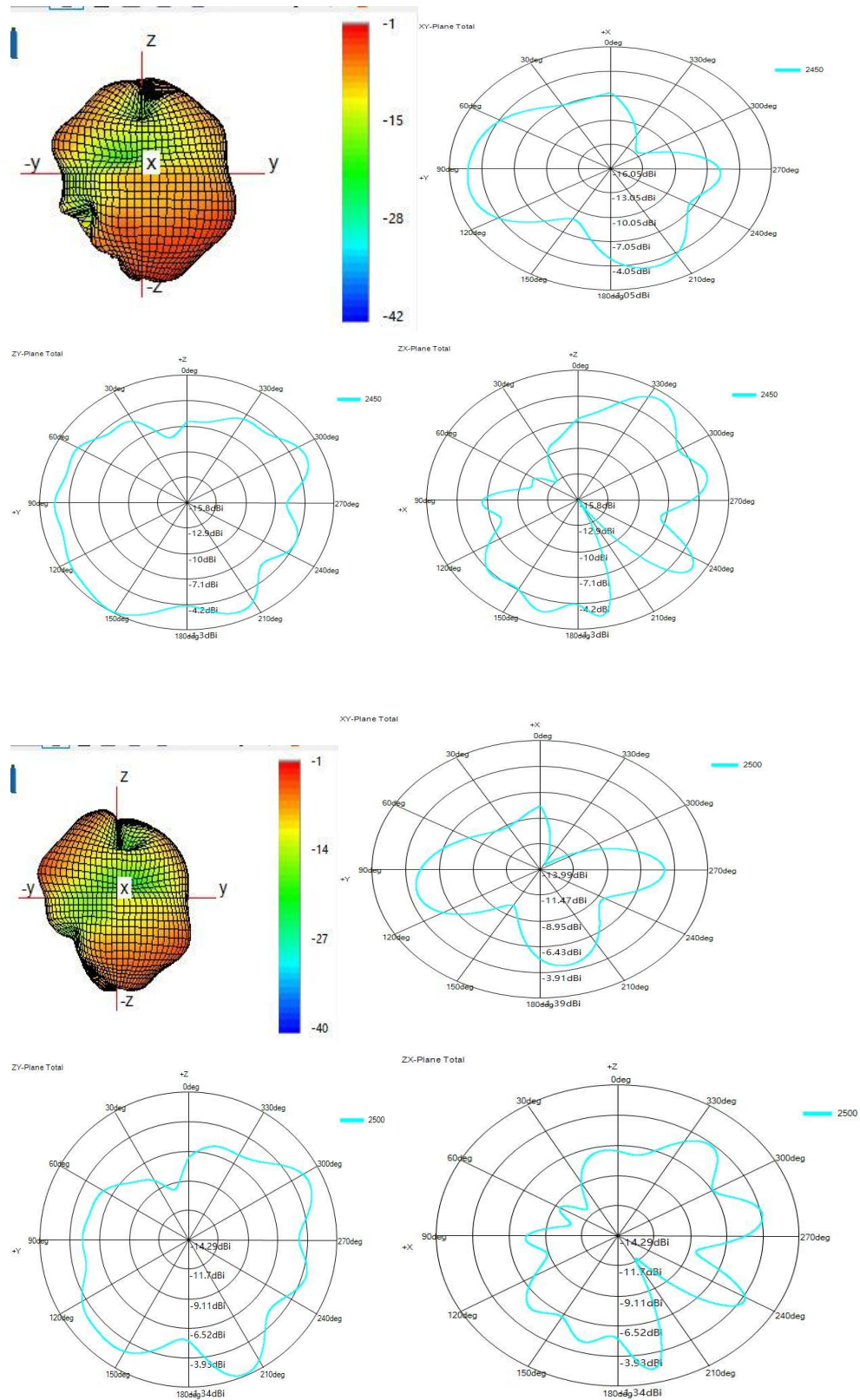
四、WiFi BT GPS antenna Test Data

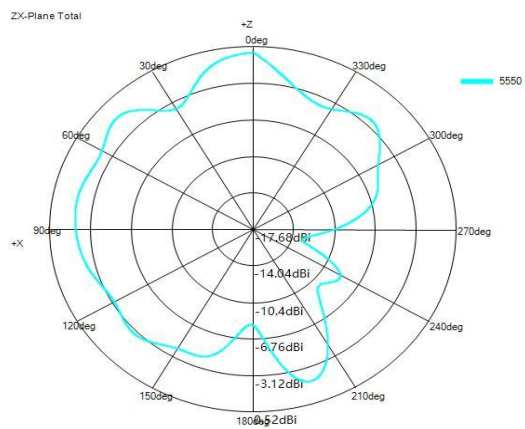
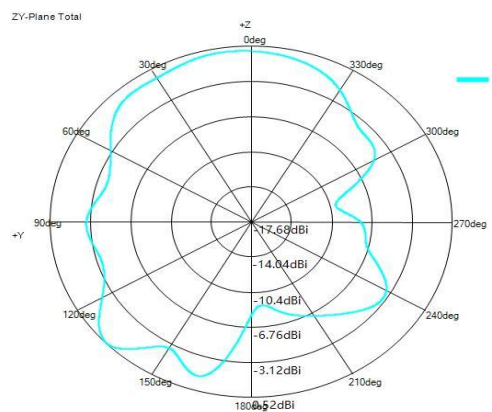
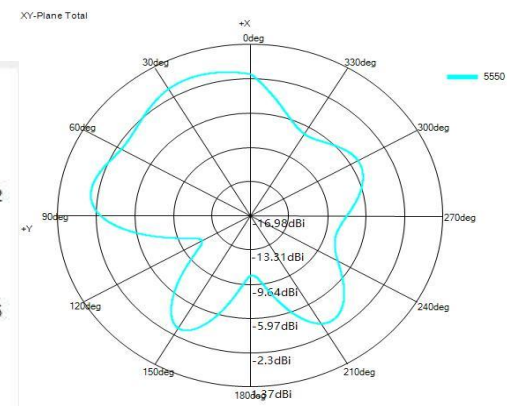
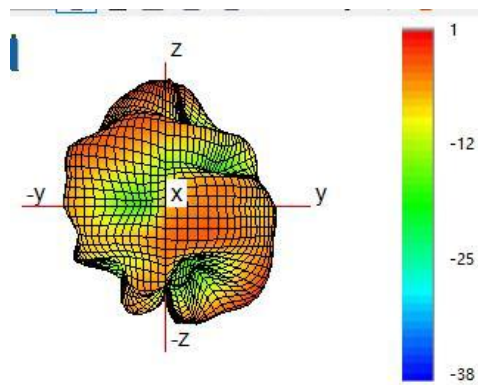
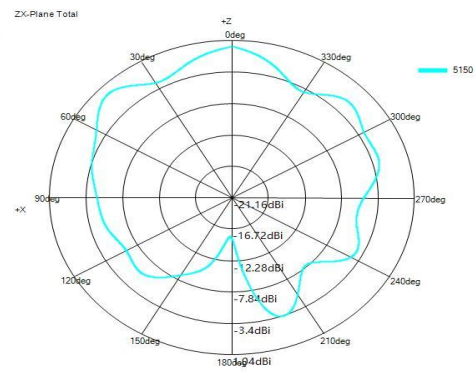
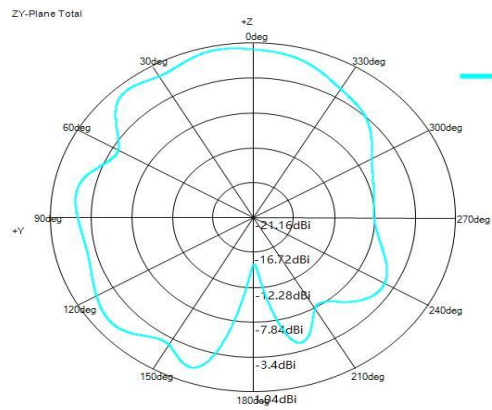
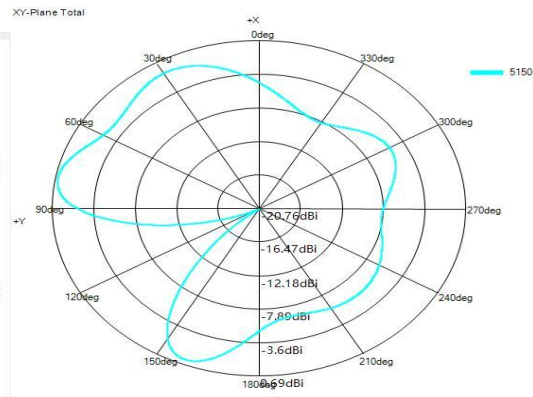
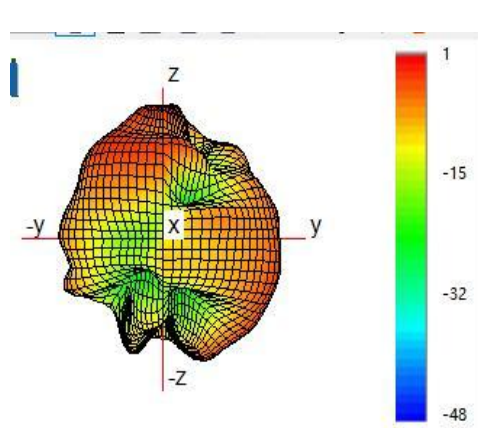


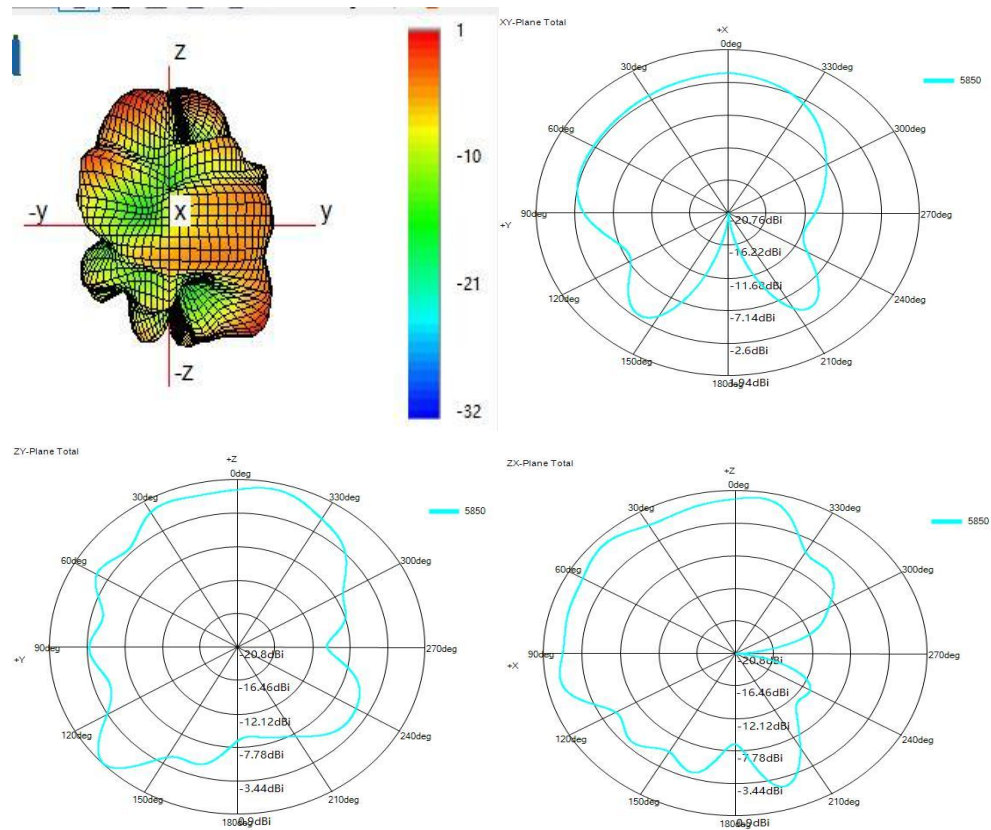
4.1 three in one antenna Passive Efficiency Data & Gain

Freq(MHz)	Gain(dBi)	Efficienc (dB)	Efficiency(%)	Freq(MHz)	Gain(dBi)	Efficienc (dB)	Efficiency(%)
1550	0.71	-5.06	31.2	5150	0.4	-4.4	36.1
1555	0.82	-5.08	31.0	5200	2.2	-4.8	33.0
1560	0.95	-5.09	31.0	5250	2.5	-4.4	36.2
1565	1.01	-5.06	31.2	5300	1.6	-4.6	35.1
1570	1.14	-5.01	31.6	5350	1.9	-4.3	37.2
1575	1.33	-4.98	31.8	5400	3.5	-4.7	33.6
1580	1.39	-5.03	31.4	5450	2.9	-4.6	34.9
1585	1.3	-5.1	30.9	5500	1.6	-4.9	32.1
1590	1.25	-5.16	30.5	5550	2.2	-4.5	35.6
1595	1.29	-5.22	30.1	5600	2.9	-4.5	35.4
1600	1.28	-5.29	29.6	5650	1.8	-5.1	31.0
2400	0.46	-4.85	32.7	5700	0.6	-5.0	31.4
2410	-0.51	-5.09	31.0	5750	1.6	-5.1	31.0
2420	-0.21	-4.95	32.0	5800	1.4	-5.1	31.1
2430	0.16	-4.96	31.9	5850	0.3	-5.2	30.3
2440	-0.22	-5.18	30.3				
2450	-1.04	-5.5	28.2				
2460	-0.92	-5.48	28.3				
2470	-1.09	-5.36	29.1				
2480	-1.73	-5.28	29.6				
2490	-1.21	-5.46	28.4				
2500	-2.04	-5.73	26.7				









5、Antenna manufacturer

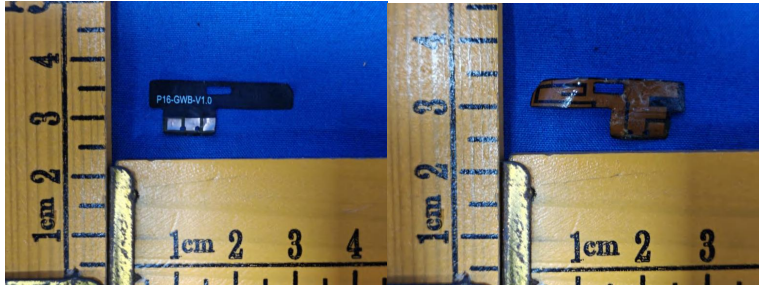
Shenzhen Deshiqin Technology Co., Ltd

Add:Room 403, West Wing, Building 2, Pingshan Private Enterprise Science and Technology Park, No. 65, Lishan Road, Pingshan Community, Taoyuan Subdistrict, Nanshan District, Shenzhen City

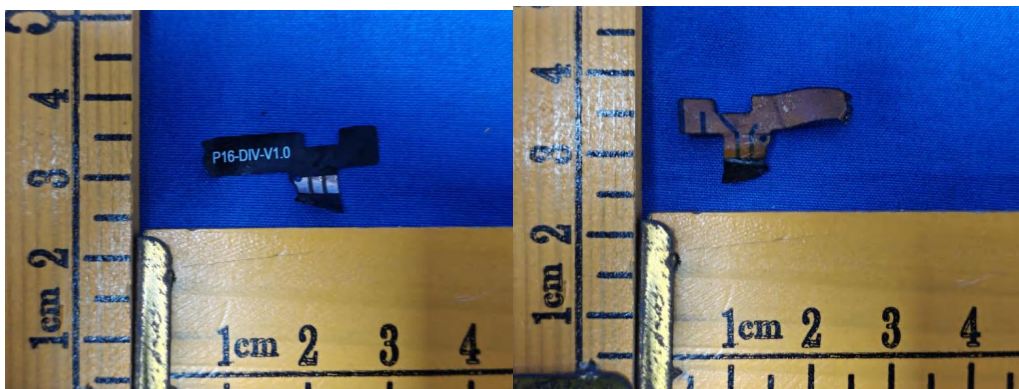
6. Antenna information

(1) Type: FPC Antenna

(2) BT/WIFI ANT:



(3) GSM/WCDMA/LTE ANT-DIV:



(4) GSM/WCDMA/LTE ANT-MAIN:

