

General description

information of DUT

Model Name	SGG-06
Set Type	Smart Phone
Antenna Num	Ant 9,Ant 10
Band	■ 2.4GHZ, b/g/n ■ 5&6 GHZ(a/ac/ax wifi6E) BT 5.3
Antenna Material	LDS+metal frame
Antenna Type	PIFA
Antenna maker	INPAQTECHNOLOGY CO., LTD.
Address	No.11, Ke-Yi St., Chu Nan Chen Miaoli County; Miaoli County

Antenna Gain

ANT9

Freq (MHz)	Gain (dBi)		
2400	-3.57		
2410	-3.24		
2420	-3.26		
2430	-3.33		
2440	-3.3		
2450	-3.26		
2460	-3.66		
2470	-3.73		
2480	-3.62		
2490	-3.46		
2500	-3.48		
Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)
5150	-3.36	5510	-0.06
5160	-3.23	5520	0.14
5170	-3.34	5530	0.65
5180	-3.13	5540	0.76
5190	-3.27	5550	0.77
5200	-3.22	5560	0.82
5210	-2.95	5570	1.06
5220	-2.9	5580	1.47
5230	-2.67	5590	1.34
5240	-2.63	5600	1.68
5250	-2.63	5610	1.33
5260	-2.48	5620	1.51
5270	-2.33	5630	1.48
5280	-2.09	5640	1.24

Confidential Information

5290	-1.62	5650	1.34
5300	-1.82	5660	1.5
5310	-1.73	5670	1.49
5320	-1.21	5680	1.54
5330	-1.17	5690	1.42
5340	-0.66	5700	1.4
5350	-0.31	5710	1.05
5360	-0.48	5720	1.05
5370	-0.74	5730	1.16
5380	-0.54	5740	1.34
5390	-0.76	5750	1.55
5400	-0.17	5760	0.87
5410	-0.32	5770	1.15
5420	-0.38	5780	0.95
5430	-0.57	5790	0.87
5440	-0.56	5800	0.62
5450	-0.43	5810	0.62
5460	-0.58	5820	1.03
5470	-0.41	5830	1.01
5480	-0.67	5840	1.08
5490	-0.25	5850	1.28
5500	-0.31		

Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)
5900	-1.83	6560	-0.67
5910	-1.42	6570	-2.01
5920	-1.64	6580	-2.07
5930	-1.71	6590	-1.43
5940	-1.54	6600	0.07
5950	-1.59	6610	0.18
5960	-1.72	6620	-0.85
5970	-2.05	6630	-1.74
5980	-1.32	6640	-1.16
5990	-0.84	6650	0.06
6000	-0.96	6660	0.95
6010	-1.46	6670	-0.09
6020	-1.55	6680	-1.48
6030	-1.25	6690	-1.82
6040	-0.75	6700	-0.08
6050	-0.75	6710	0.98
6060	-1.5	6720	1.07
6070	-2.05	6730	-0.58
6080	-1.8	6740	-1.06
6090	-0.87	6750	-0.05
6100	-0.57	6760	1.44

Confidential Information

6110	-1.18	6770	1.5
6120	-2.3	6780	0.19
6130	-2.48	6790	-0.56
6140	-1.8	6800	0.15
6150	-1.12	6810	1.64
6160	-1.57	6820	2.12
6170	-2.59	6830	1.35
6180	-2.79	6840	-0.37
6190	-2.35	6850	-0.26
6200	-1.68	6860	0.93
6210	-1.31	6870	1.93
6220	-1.75	6880	1.91
6230	-2	6890	0.73
6240	-2.03	6900	0.47
6250	-1.85	6910	1.4
6260	-1.54	6920	2.24
6270	-1.51	6930	2.17
6280	-1.36	6940	0.72
6290	-1.78	6950	0.11
6300	-2.03	6960	0.36
6310	-2.02	6970	2.07
6320	-2.19	6980	2.54
6330	-1.52	6990	1.99
6340	-1.87	7000	0.89
6350	-1.9	7010	0.54
6360	-1.72	7020	1.33
6370	-1.65	7030	2.63
6380	-1.38	7040	2.2
6390	-1.28	7050	1.35
6400	-1.65	7060	0.73
6410	-2.16	7070	1.46
6420	-2.48	7080	1.69
6430	-2.19	7090	1.82
6440	-1.89	7100	1.18
6450	-1.68	7110	0.71
6460	-2.87	7120	0.96
6470	-3.14	7130	1.65
6480	-3.22	7140	2.18
6490	-1.91	7150	1.57
6500	-1.28	7160	0.96
6510	-1.33	7170	0.89
6520	-2.4	7180	1.36
6530	-2.37	7190	1.93
6540	-1.27	7200	1.71

Confidential Information

6550	-0.29		
------	-------	--	--

ANT10

Freq (MHz)	Gain (dBi)		
2400	-1.9		
2410	-2.12		
2420	-2.12		
2430	-2.24		
2440	-2.29		
2450	-2.32		
2460	-2.67		
2470	-2.92		
2480	-2.74		
2490	-2.41		
2500	-2.2		
Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)
5150	0.47	5510	1.61
5160	0.4	5520	1.67
5170	0.31	5530	2.02
5180	0.3	5540	2.06
5190	0.33	5550	1.93
5200	0.19	5560	1.75
5210	0.19	5570	1.68
5220	0.21	5580	1.86
5230	0.3	5590	1.75
5240	0.18	5600	1.65
5250	0.09	5610	1.66
5260	0.16	5620	1.37
5270	0.18	5630	1.4
5280	0.42	5640	1.4
5290	0.57	5650	1.28
5300	0.28	5660	1.41
5310	0.2	5670	1.15
5320	0.42	5680	1.21
5330	0.13	5690	1.17
5340	0.39	5700	1.07
5350	0.54	5710	0.87
5360	0.34	5720	0.57
5370	0.24	5730	0.69
5380	0.36	5740	0.81
5390	0.14	5750	0.73
5400	1	5760	0.53
5410	0.97	5770	0.38
5420	0.94	5780	0.26
5430	0.93	5790	0.03

Confidential Information

5440	1. 19	5800	0. 06
5450	1. 31	5810	0. 05
5460	1. 51	5820	-0. 04
5470	1. 49	5830	-0. 18
5480	1. 36	5840	-0. 32
5490	1. 46	5850	0. 05
5500	1. 45		

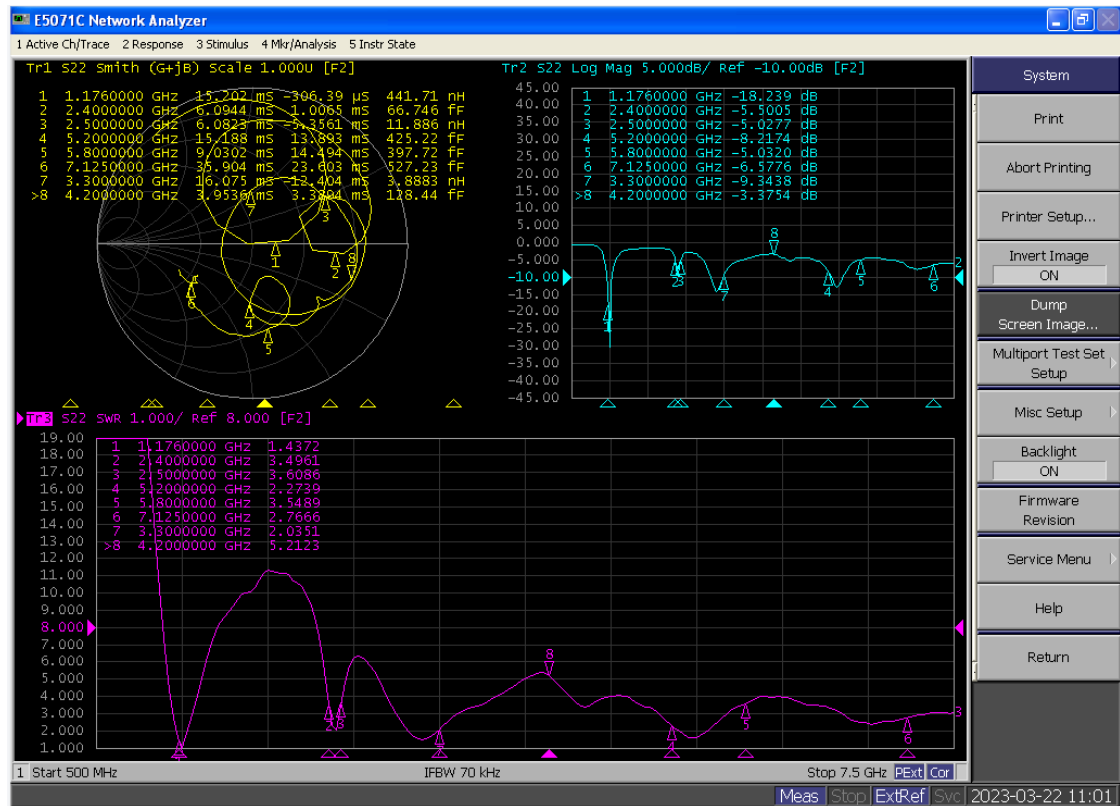
Freq (MHz)	Gain (dBi)	Freq (MHz)	Gain (dBi)
5900	1. 59	6560	1. 44
5910	2. 88	6570	1. 54
5920	3. 17	6580	1. 01
5930	3. 42	6590	0. 09
5940	3. 35	6600	0. 17
5950	3. 1	6610	0. 67
5960	3. 1	6620	1. 01
5970	3. 54	6630	0. 51
5980	3. 8	6640	0. 97
5990	3. 43	6650	1. 68
6000	3. 26	6660	1. 86
6010	3. 07	6670	1. 35
6020	3. 33	6680	0. 6
6030	3. 66	6690	0. 33
6040	3. 63	6700	1. 31
6050	3. 49	6710	1. 98
6060	3. 1	6720	2. 3
6070	3. 07	6730	1. 35
6080	3. 53	6740	0. 74
6090	3. 98	6750	1. 31
6100	3. 99	6760	2. 43
6110	3. 49	6770	2. 7
6120	3. 09	6780	1. 66
6130	2. 77	6790	0. 9
6140	3. 02	6800	1. 23
6150	3. 52	6810	2. 36
6160	3. 15	6820	2. 73
6170	2. 63	6830	2. 18
6180	2. 36	6840	1. 12
6190	2. 33	6850	0. 88
6200	2. 87	6860	1. 94
6210	3. 23	6870	2. 71
6220	3. 03	6880	2. 54
6230	2. 62	6890	1. 88

Confidential Information

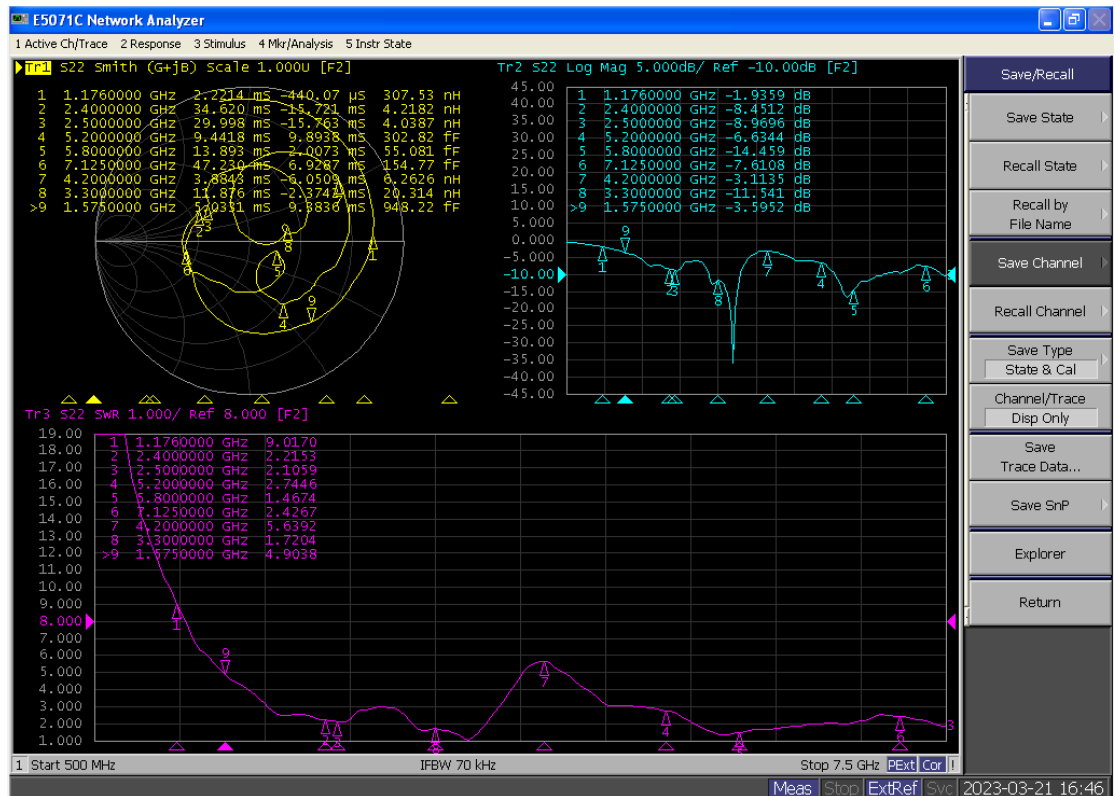
6240	2. 21	6900	1. 39
6250	2. 4	6910	2. 23
6260	2. 55	6920	3. 12
6270	2. 89	6930	2. 96
6280	2. 86	6940	1. 82
6290	2. 44	6950	1. 38
6300	2. 02	6960	1. 55
6310	2. 05	6970	3. 22
6320	2. 26	6980	3. 61
6330	2. 47	6990	3. 04
6340	2. 17	7000	1. 92
6350	1. 65	7010	2. 03
6360	1. 52	7020	2. 93
6370	1. 85	7030	3. 69
6380	1. 81	7040	3. 41
6390	1. 79	7050	2. 49
6400	1. 32	7060	2. 15
6410	1. 1	7070	2. 86
6420	1. 33	7080	3. 27
6430	1. 57	7090	3. 16
6440	1. 53	7100	2. 18
6450	1. 09	7110	1. 58
6460	0. 78	7120	2. 61
6470	0. 38	7130	3. 17
6480	0. 72	7140	3. 05
6490	1. 17	7150	2. 06
6500	0. 92	7160	1. 48
6510	0. 61	7170	1. 83
6520	0. 29	7180	2. 41
6530	0. 69	7190	1. 99
6540	-1. 27	7200	1. 31
6550	-0. 29		

2 Electrical performance

2.1 VSWR



ANT9

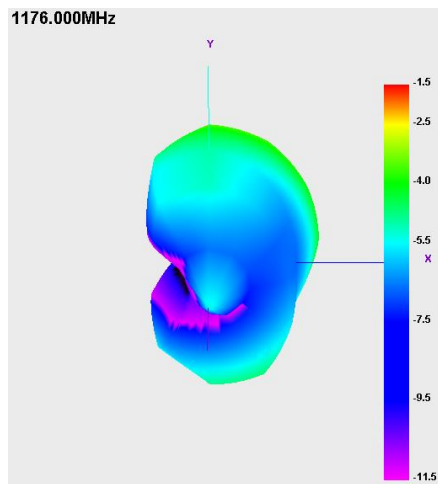


ANT10

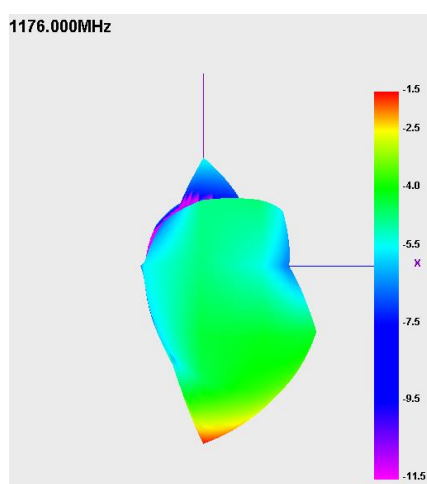
2.2 3D Pattern

ANT9

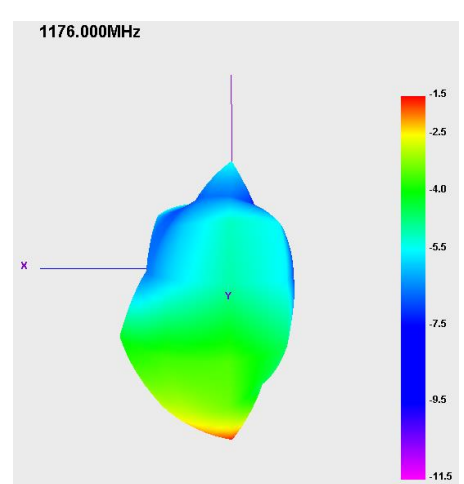
H plane



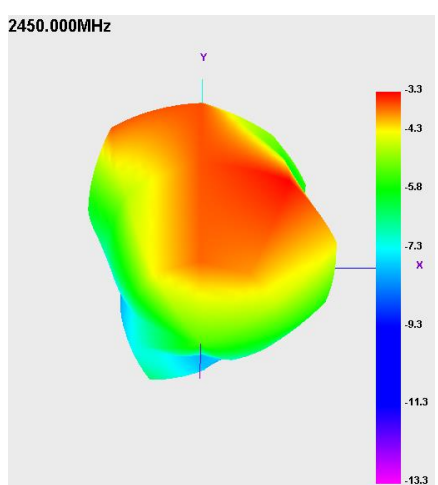
E1 plane



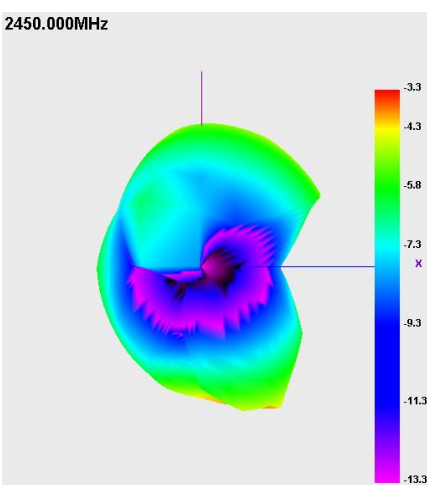
E2 plane



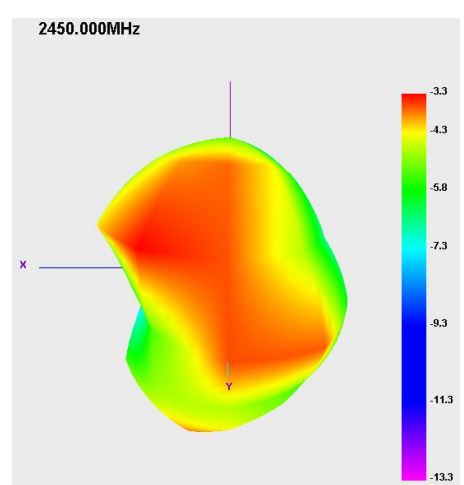
H plane



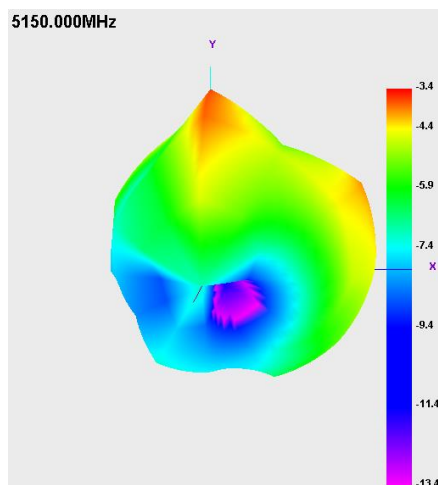
E1 plane



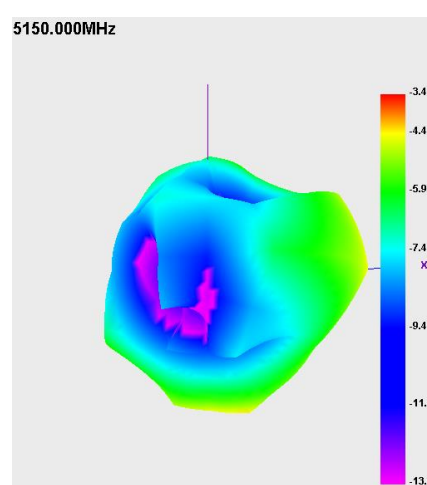
E2 plane



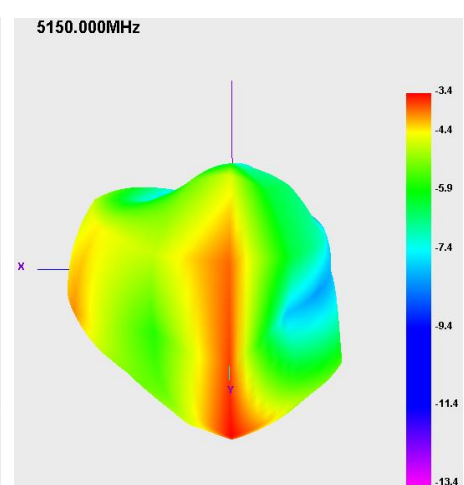
H plane



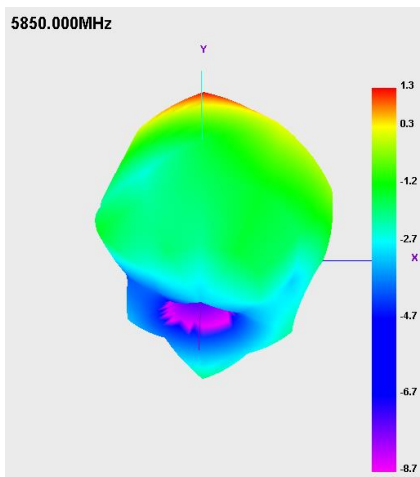
E1 plane



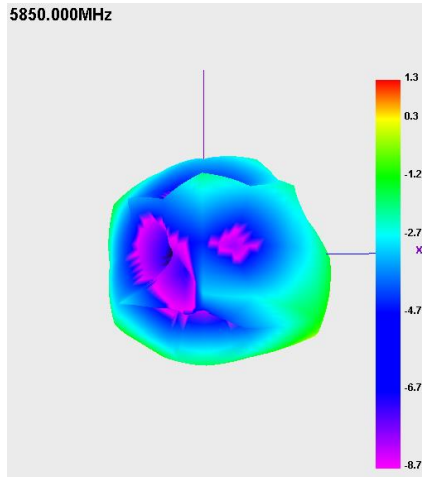
E2 plane



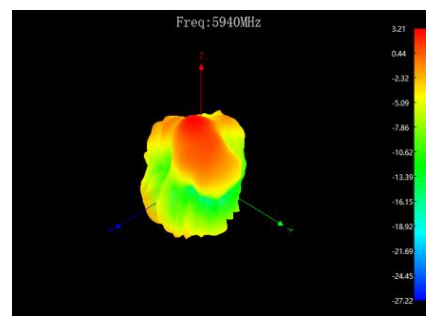
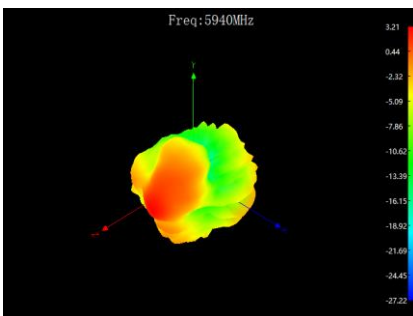
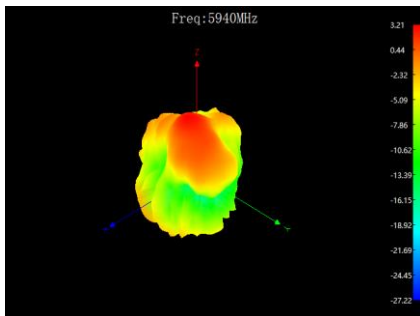
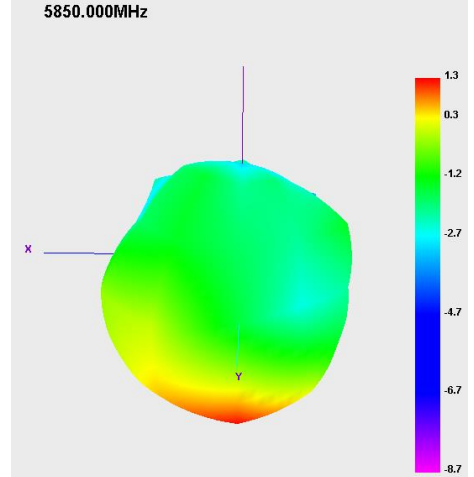
H plane



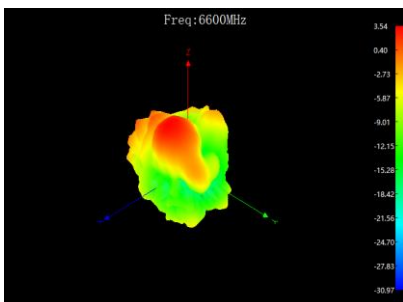
E1 plane



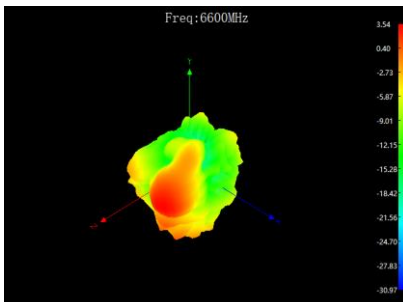
E2 plane



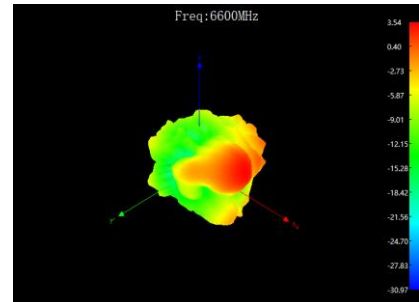
H plane



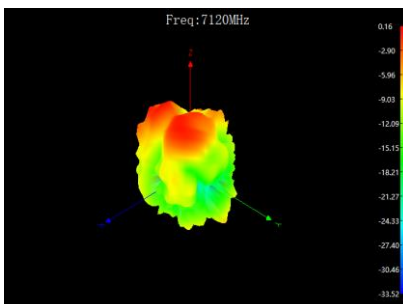
E1 plane



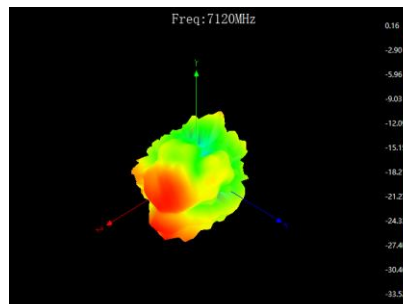
E2 plane



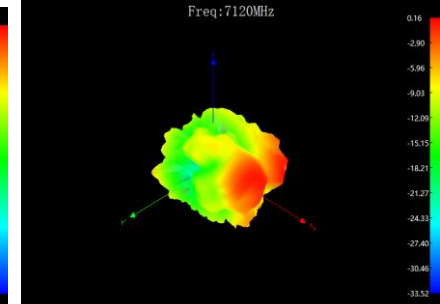
H plane



E1 plane



E2 plane

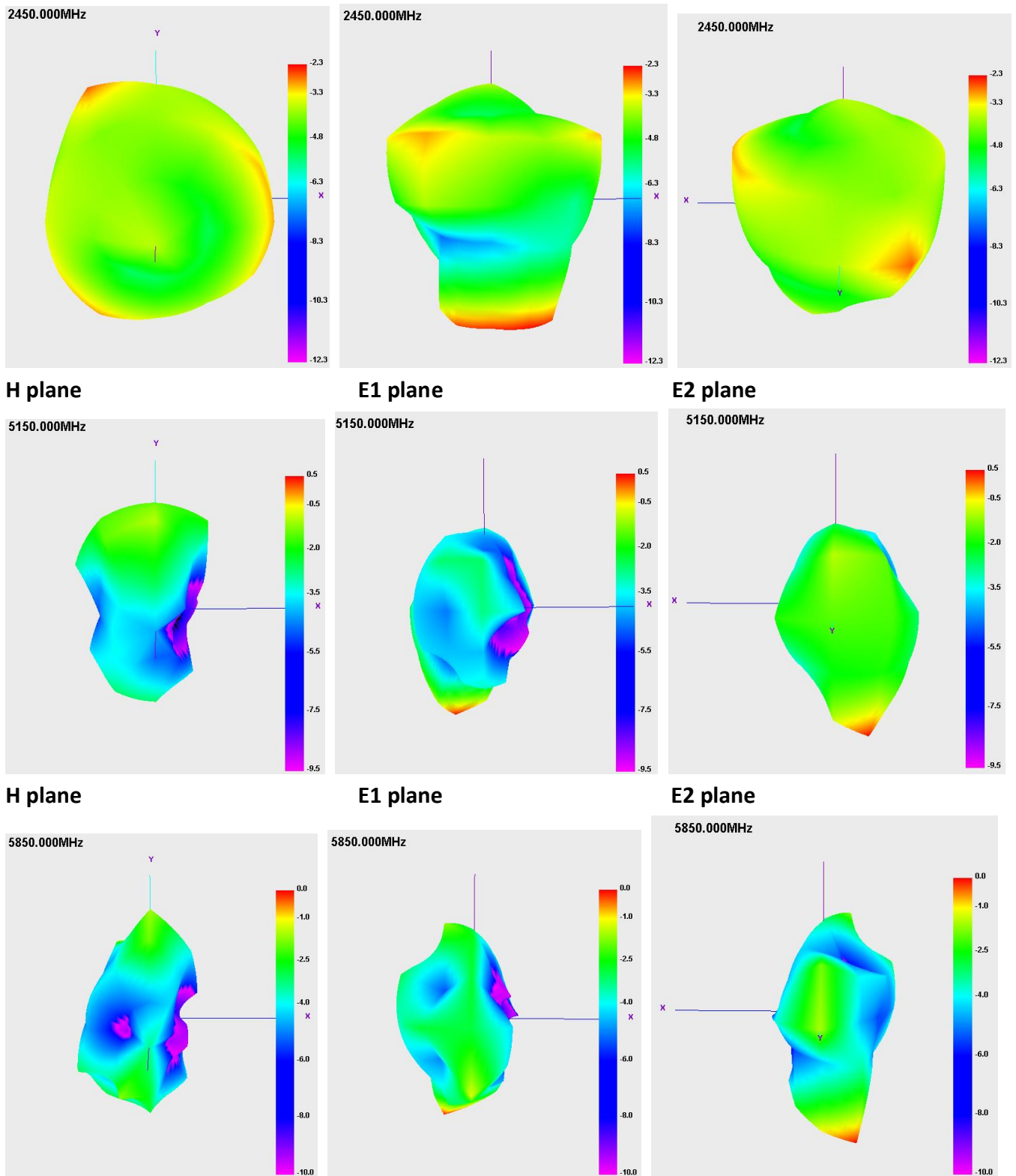


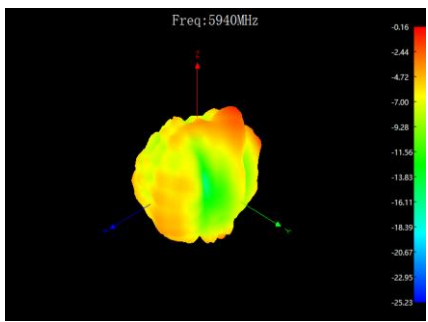
ANT10

H plane

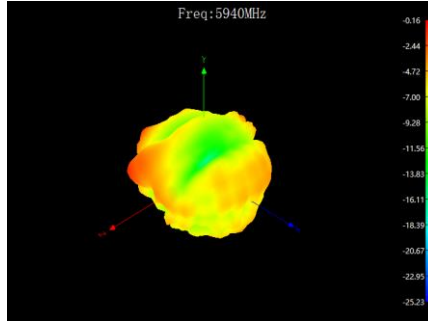
E1 plane

E2 plane

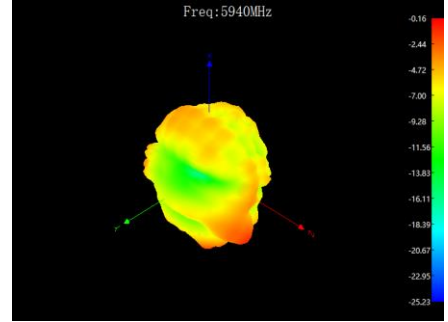




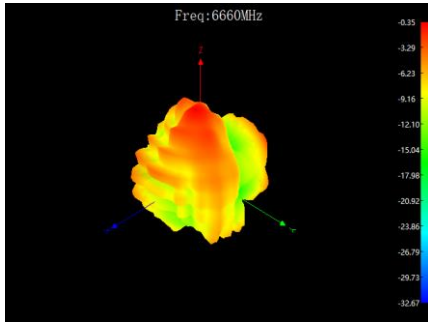
H plane



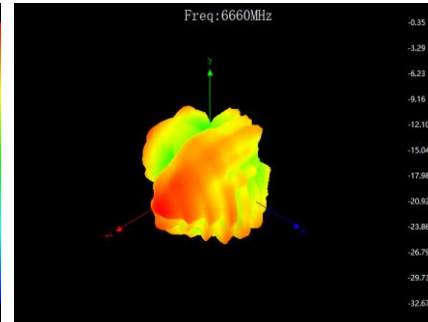
E1 plane



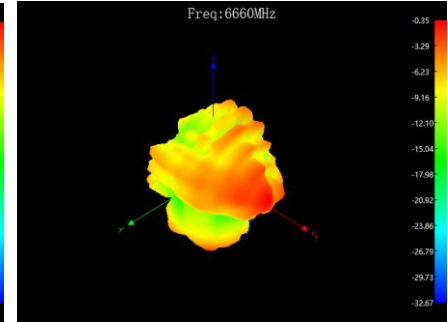
E2 plane



H plane



E1 plane



E2 plane

