

AUDEN COMMUNICATIONS&MULTIMEDIA TECHNO (KUNSHAN) CO. LTD

GPS/WIFI/BT ANTENNA SPECIFICATION

AUKE3893-G&W

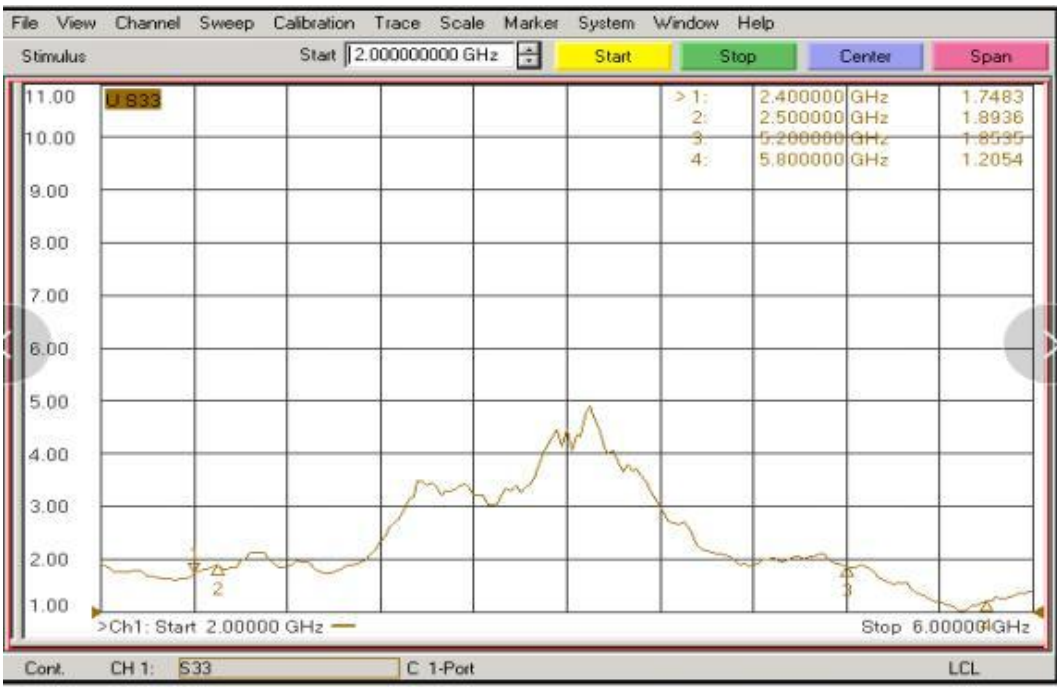
AUDEN COMMUNICATIONS&MULTIMEDIA TECHNO (KUNSHAN) CO. LTD			
RF ENGINEER	MECHANICAL ENGINEER	R&D MANAGER	PRODUCT MANAGER
Xiang Li	Hanlin Wang	Huan Jiang	Jianjiang Xiao

1 Voltage Standing Wave Ratio

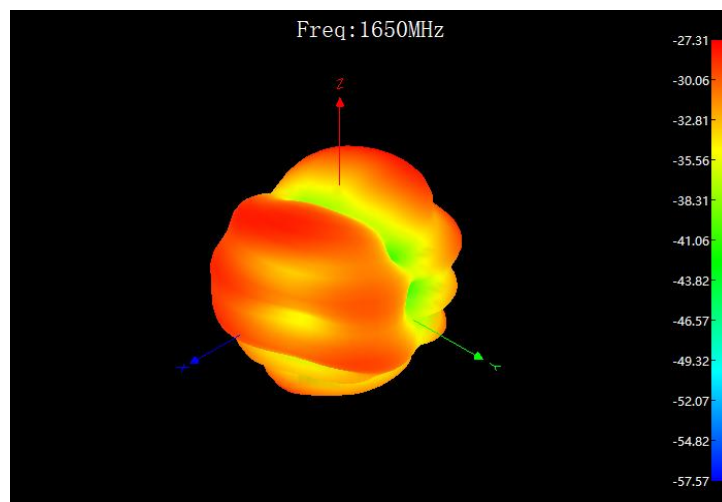
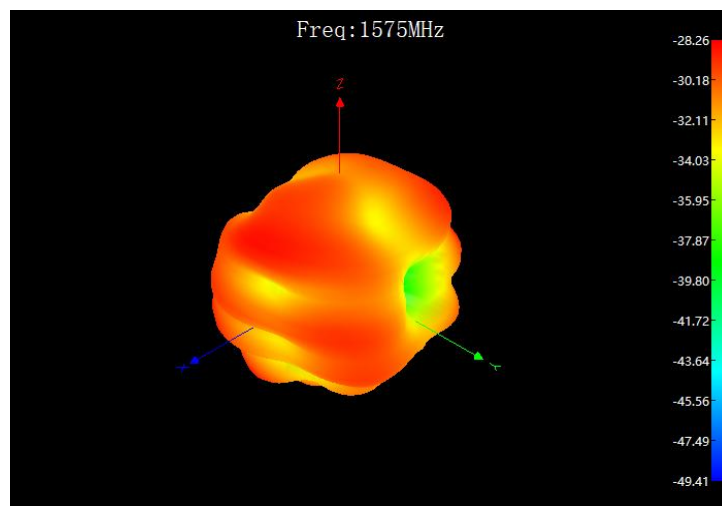
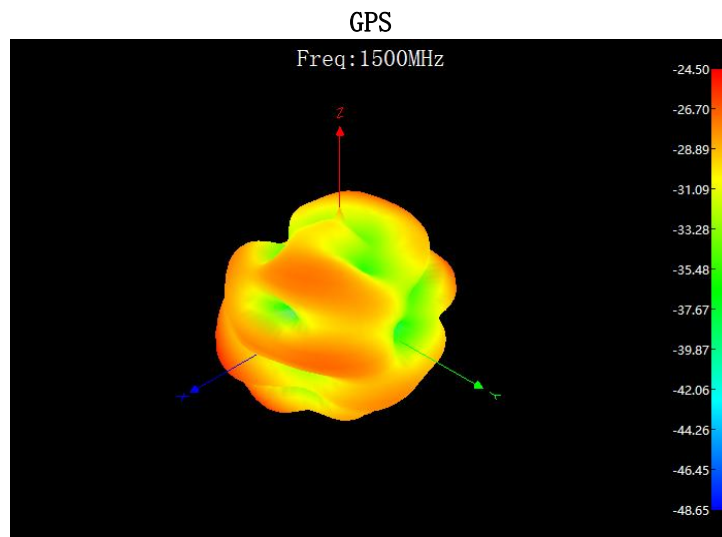
GPS



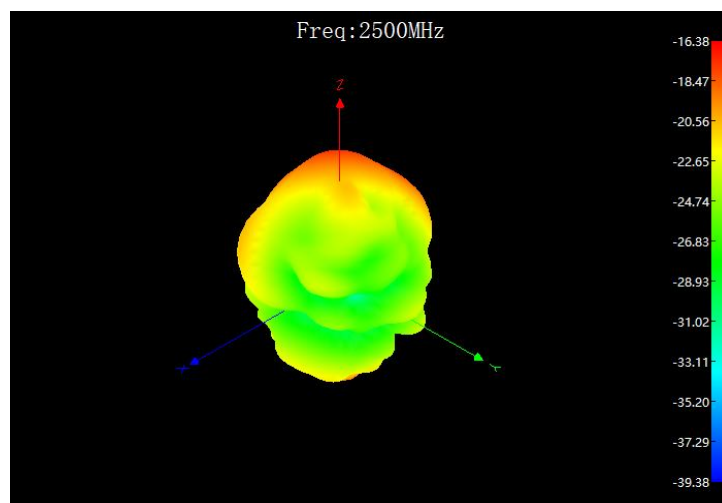
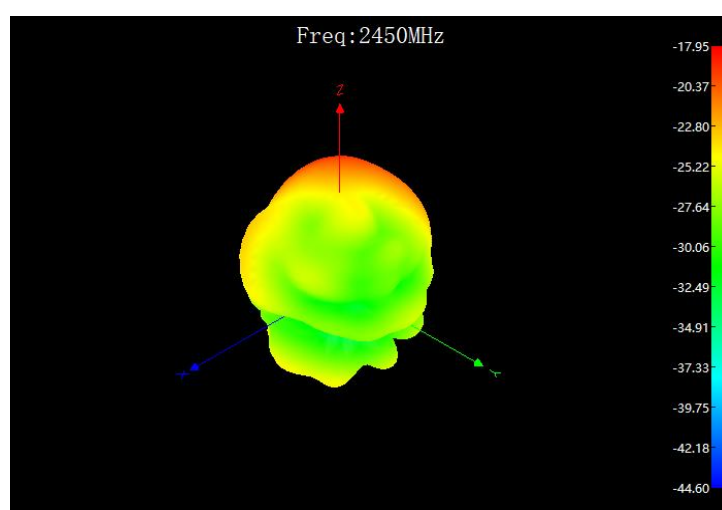
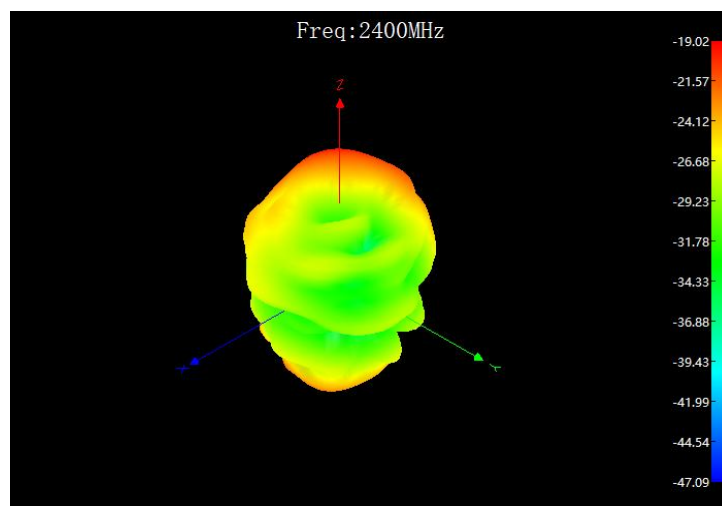
WIFI/BT

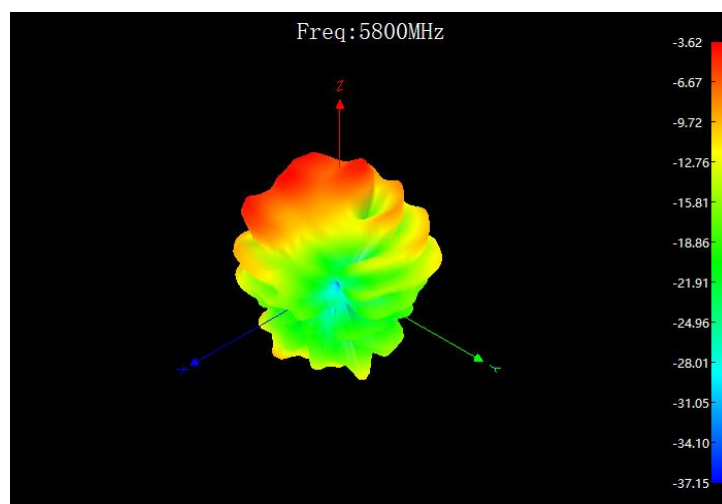
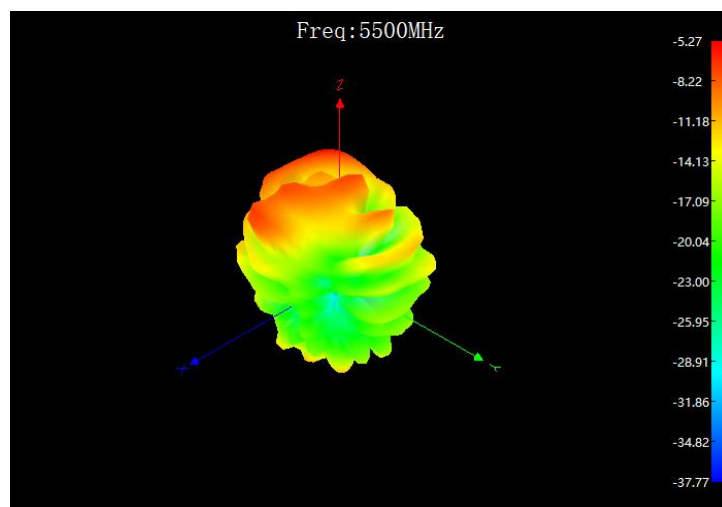
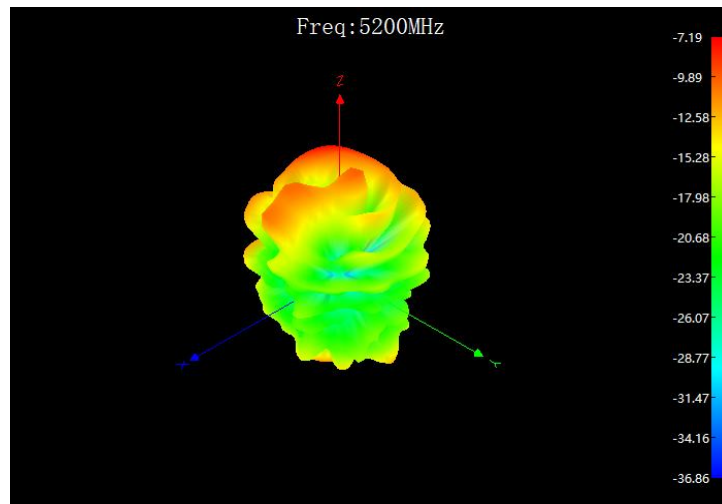


2 Antenna radiation pattern



WIFI/BT





3 TEST DATA

GPS

Frequency/MHz	Efficiency/dB	Efficiency/%	Gain/dB
1550	-4.52	35.32	0.01
1555	-4.29	37.24	0.87
1560	-4.17	38.28	0.48
1565	-4.61	34.59	0.02
1570	-4.29	37.24	0.73
1575	-4.29	37.24	0.08
1580	-4.43	36.06	0.25
1585	-4.26	37.5	0.51
1590	-4.5	35.48	-0.07
1595	-4.33	36.9	0.63
1600	-4.3	37.15	0.23
1605	-4.6	34.67	0.11
1610	-4.4	36.31	0.58
1615	-4.31	37.07	0.41
1620	-4.38	36.48	0.66
1625	-4.39	36.39	0.65
1630	-4.39	36.39	0.88
1635	-4.25	37.58	1.09
1640	-4.26	37.5	1.03
1645	-4.37	36.56	1.15
1650	-4.38	36.48	1.02

WIFI/BT

Frequency/MHz	Efficiency/dB	Efficiency/%	Gain/dB	Frequency/MHz	Efficiency/dB	Efficiency/%	Gain/dB
2400	-2.2	60.26	1.4	5400	-4.05	39.36	3.95
2405	-2.13	61.24	1.45	5410	-4.22	37.84	3.86
2410	-2.12	61.38	1.17	5420	-4.13	38.64	3.75
2415	-2.14	61.09	1.51	5430	-4.37	36.56	3.49
2420	-2.24	59.7	1.23	5440	-4.27	37.41	3.61
2425	-2.25	59.57	1.36	5450	-4.41	36.22	3.57
2430	-2.14	61.09	1.51	5460	-4.11	38.82	3.77
2435	-2.32	58.61	1.1	5470	-4.33	36.9	3.57
2440	-2.33	58.48	1.79	5480	-3.96	40.18	3.94
2445	-2.17	60.67	1.57	5490	-4.16	38.37	3.75
2450	-2.29	59.02	1.42	5500	-3.78	41.88	4.02

Frequency/ MHz	Efficiency/ dB	Efficiency/ %	Gain/dB	Frequency/ MHz	Efficiency/ dB	Efficiency/ %	Gain/dB
2455	-2.29	59.02	1.7	5510	-3.79	41.78	4.03
2460	-2.36	58.08	1.16	5520	-3.46	45.08	4.28
2465	-2.48	56.49	1.51	5530	-3.59	43.75	4.1
2470	-2.29	59.02	1.47	5540	-3.33	46.45	4.25
2475	-2.47	56.62	1	5550	-3.41	45.6	4.25
2480	-2.56	55.46	1.48	5560	-3.24	47.42	4.27
2485	-2.34	58.34	1.35	5570	-3.34	46.34	4.24
2490	-2.45	56.89	0.88	5580	-3.19	47.97	4.31
2495	-2.44	57.02	0.94	5590	-3.34	46.34	4.27
2500	-2.42	57.28	0.9	5600	-3.23	47.53	4.33
5200	-3.22	47.64	3.55	5610	-3.35	46.24	4.18
5210	-3.63	43.35	3.38	5620	-3.33	46.45	4.2
5220	-3.34	46.34	3.41	5630	-3.5	44.67	4.2
5230	-3.6	43.65	3.43	5640	-3.37	46.03	4.33
5240	-3.45	45.19	3.51	5650	-3.49	44.77	4.29
5250	-3.78	41.88	3.46	5660	-3.38	45.92	4.6
5260	-3.47	44.98	3.69	5670	-3.58	43.85	4.74
5270	-3.6	43.65	3.78	5680	-3.41	45.6	4.91
5280	-3.37	46.03	3.89	5690	-3.42	45.5	5.25
5290	-3.62	43.45	3.71	5700	-3.17	48.19	5.6
5300	-3.38	45.92	3.83	5710	-3.27	47.1	5.87
5310	-3.52	44.46	3.84	5720	-2.99	50.23	6.1
5320	-3.35	46.24	4.07	5730	-2.98	50.35	6.39
5330	-3.59	43.75	3.97	5740	-2.72	53.46	6.57
5340	-3.47	44.98	4.12	5750	-2.7	53.7	6.72
5350	-3.78	41.88	4.08	5760	-2.47	56.62	6.91
5360	-3.74	42.27	4.18	5770	-2.47	56.62	7
5370	-4	39.81	4.12	5780	-2.36	58.08	6.98
5380	-3.93	40.46	4.05	5790	-2.35	58.21	7.19
5390	-4.25	37.58	3.78	5800	-2.32	58.61	7.08

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