

auden^o

**Auden Communications & Multimedia Techno (Kunshan) Co., Ltd
xian branch**

TYT25_LT_AA project WiFi Antenna specification

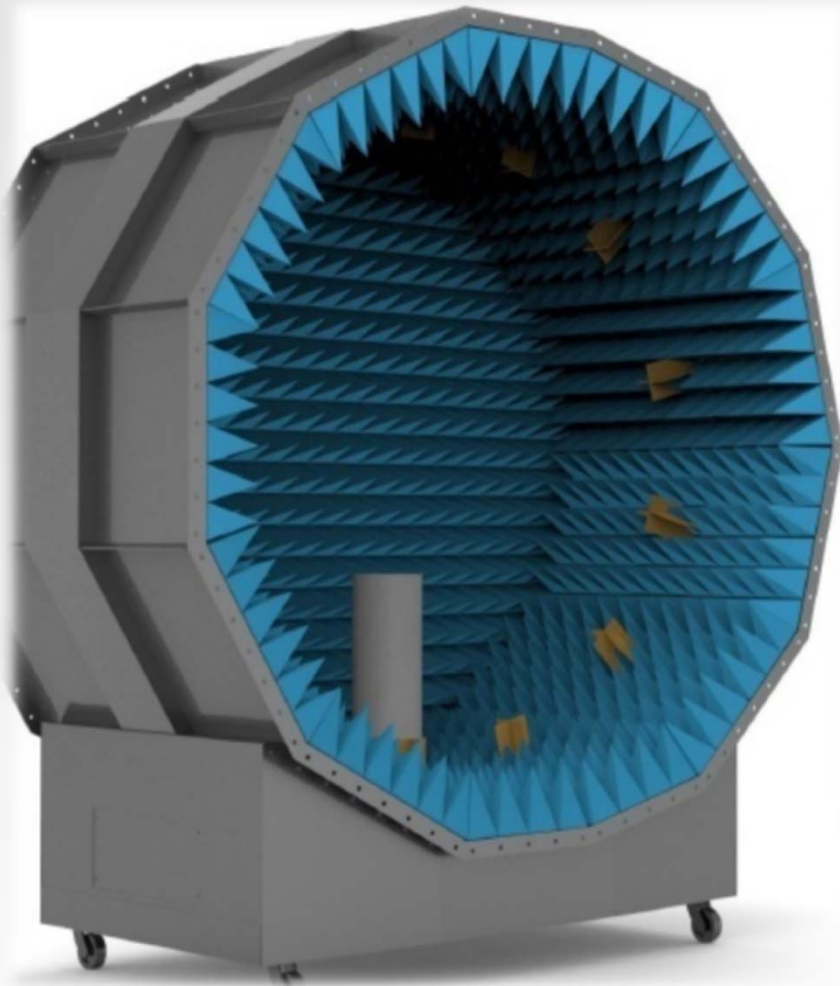
Contact Information:

PM: li.xiang@auden.com.cn

Prepared By:

Date of Report:





- Chamber : GTS Rayzone1800
- Network Analyzer : Agilent E5071C
- 2G/3G Tester : Agilent 8960
- LTE Tester : R&S CMW500
- TD Tester : StarPoint SP6010
- WIFI Tester : R&S CMW500
- GPS Signal Source : Agilent E4438C

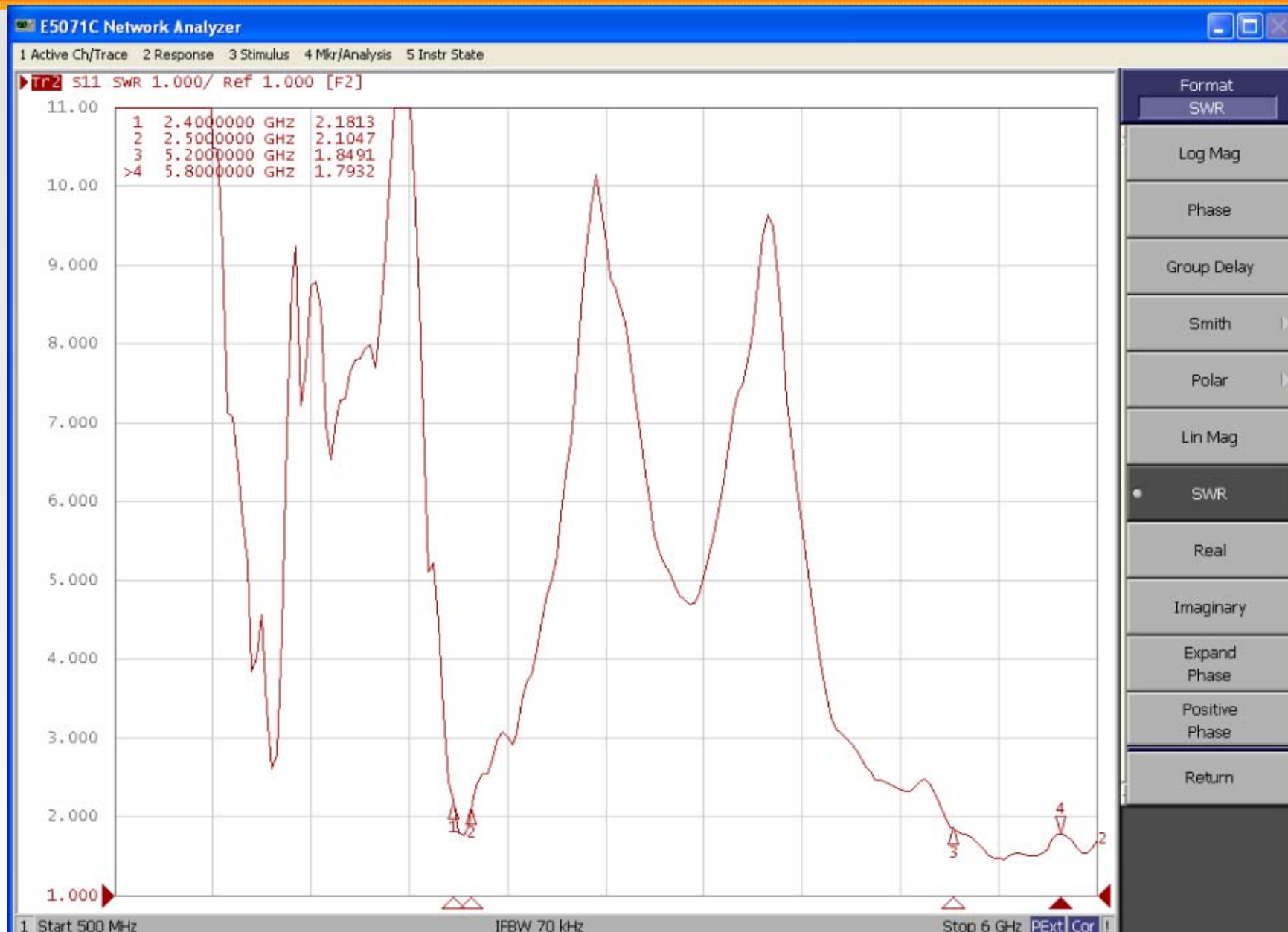


Antenna specification

Antenna frequency (MHz)	2400-2500	5200-5800
Characteristic Impedance	50 Ω	
VSWR	<4	<3
Gain	<1	<3
Antenna Type	Monopole Antenna	



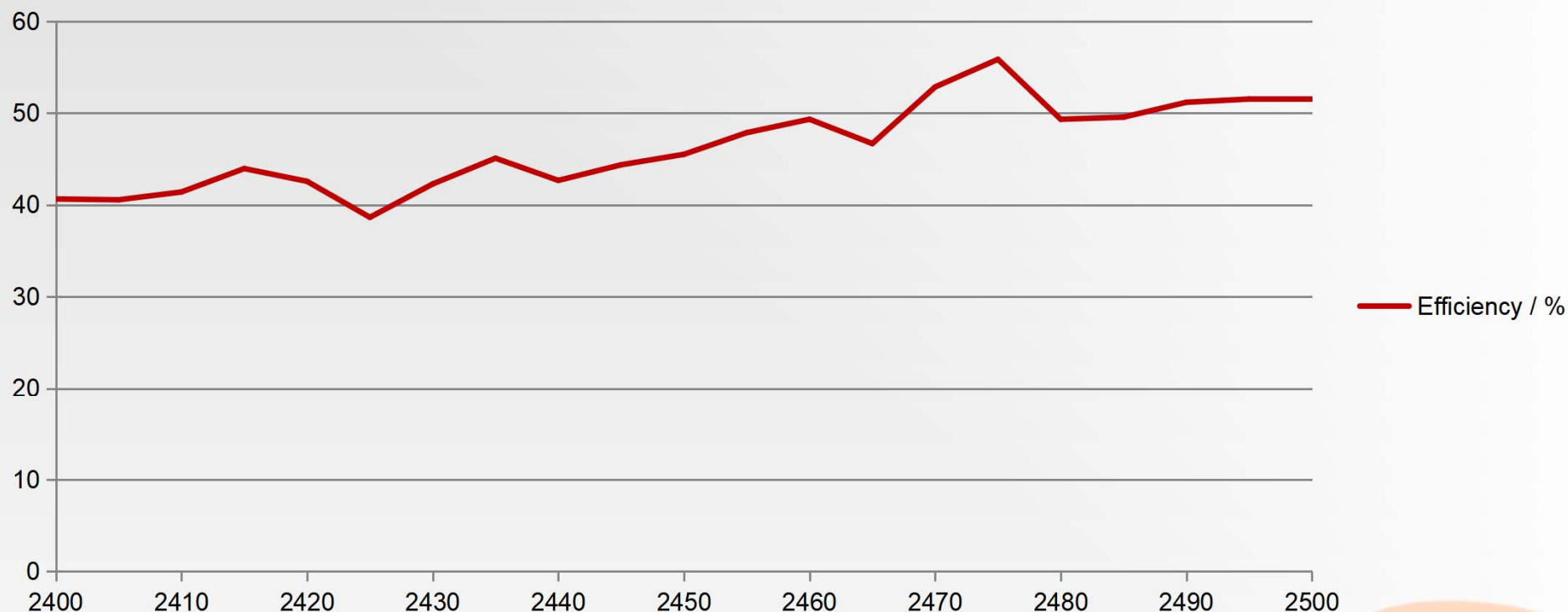
WiFi VSWR



2400MHz-2500MHz Antenna Frequency



Efficiency / %

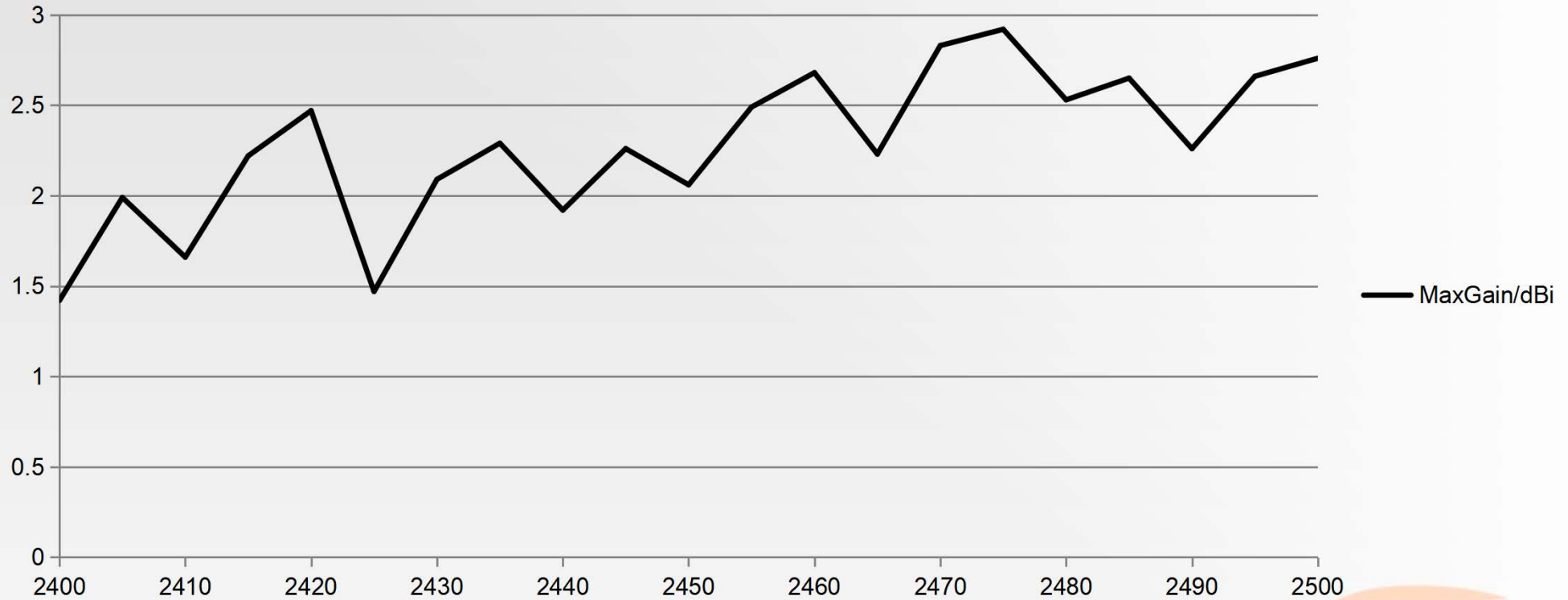


Frequency/Mhz	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500
Efficiency / %	40.64	40.55	41.4	43.95	42.56	38.64	42.27	45.08	42.66	44.36	45.5	47.86	49.32	46.67	52.84	55.85	49.32	49.55	51.17	51.52	51.52

2400MHz-2500MHz Antenna Gain



MaxGain/dBi

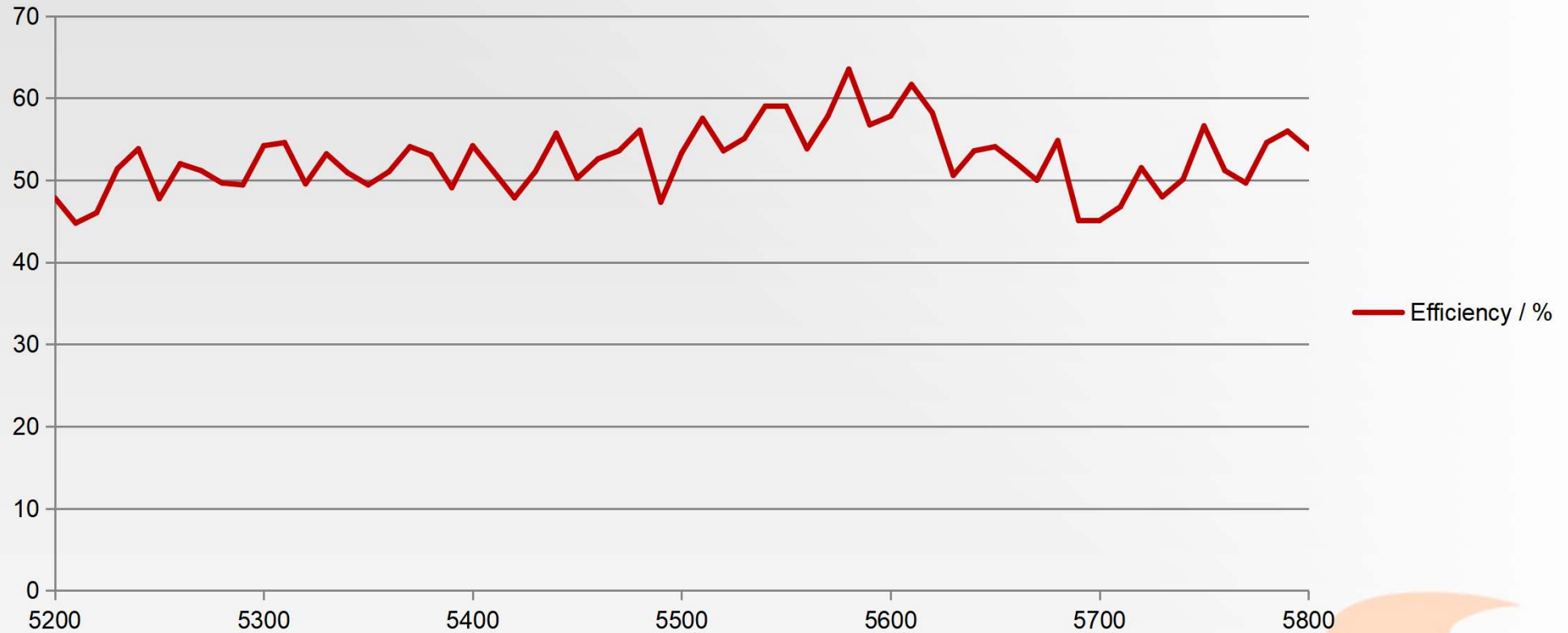


Frequency/MHz	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500
MaxGain/dBi	1.42	1.99	1.66	2.22	2.47	1.47	2.09	2.29	1.92	2.26	2.06	2.49	2.68	2.23	2.83	2.92	2.53	2.65	2.26	2.66	2.76

5200MHz-5800MHz Antenna Frequency



Efficiency / %

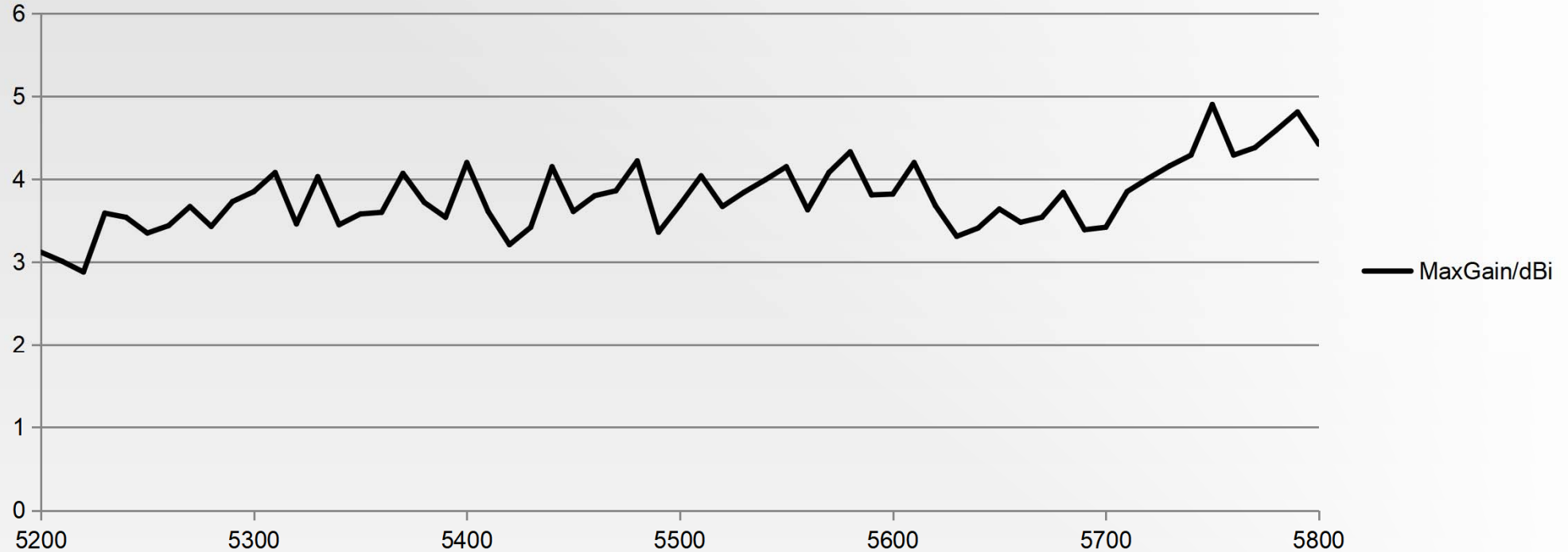


Frequency/Mhz	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	
Efficiency / %	47.86	44.77	46.03	51.4	53.83	47.75	52	51.17	49.66	49.43	54.2	54.58	49.55	53.21	50.93	49.43	51.05	54.08	53.09	49.09	54.2	51.05	47.86	51.05	55.72	50.23	52.6	53.58	56.1	
	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780
	47.32	53.33	57.54	53.58	55.08	59.02	59.02	53.83	57.81	63.53	56.75	57.81	61.66	58.21	50.58	53.58	54.08	52.12	50	54.83	45.08	45.08	46.77	51.52	47.97	50.12	56.62	51.17	49.66	54.58

5200MHz-5800MHz Antenna Gain

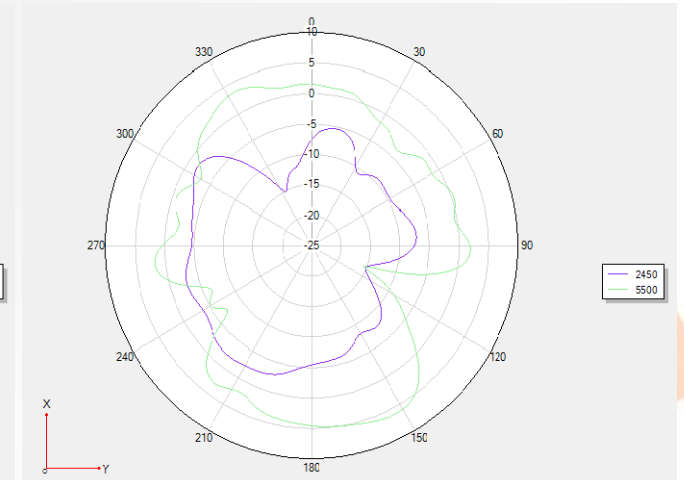
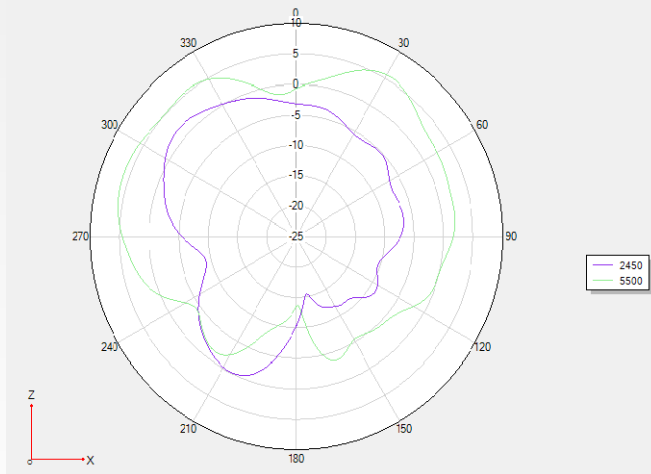
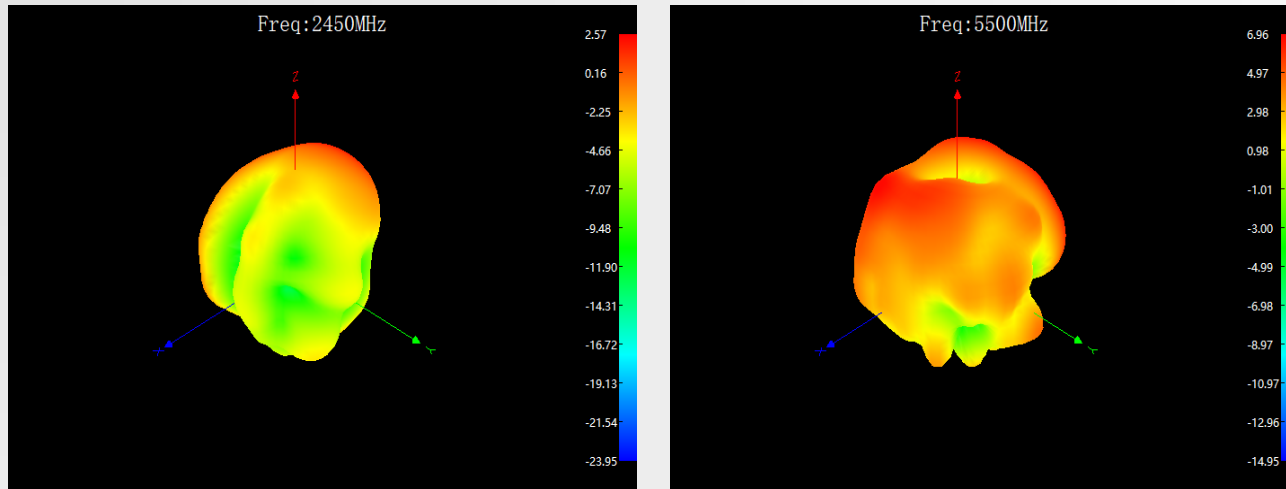


MaxGain/dBi



Frequency/MHz	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	
MaxGain/dBi	3.12	3.01	2.88	3.59	3.54	3.35	3.44	3.67	3.43	3.73	3.85	4.08	3.46	4.03	3.45	3.58	3.6	4.07	3.72	3.54	4.2	3.61	3.21	3.42	4.15	3.61	3.8	3.86	4.22	
	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780
	3.36	3.69	4.04	3.67	3.84	3.99	4.15	3.63	4.08	4.33	3.81	3.82	4.2	3.68	3.31	3.41	3.64	3.48	3.54	3.84	3.39	3.42	3.85	4.01	4.16	4.29	4.9	4.29	4.38	4.59

WiFi Antenna Pattern



Thank You



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