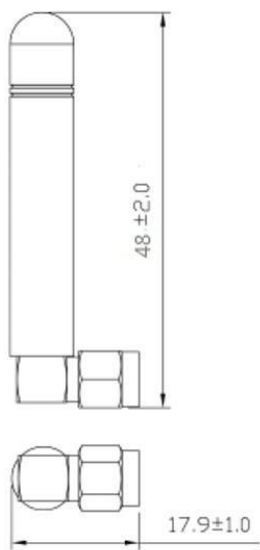


TEST REPORT

Product Name	2.4G-5G SMA Antenna	Model No.	BY-2.4G/5G
Prepared By	嘉兴市穿云电子科技有限公司		
Date of Test	2026 - 01 -04		
Project Engineer	纪红平	Approved by	李小龙

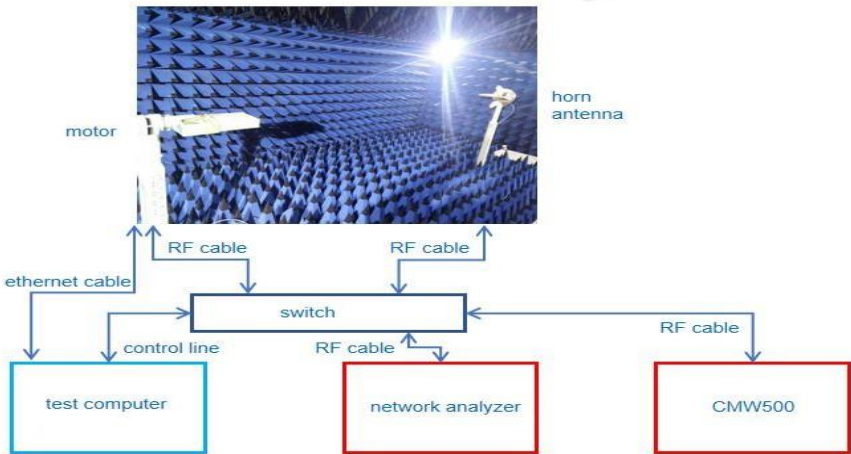
Test Result:



UNIT: mm



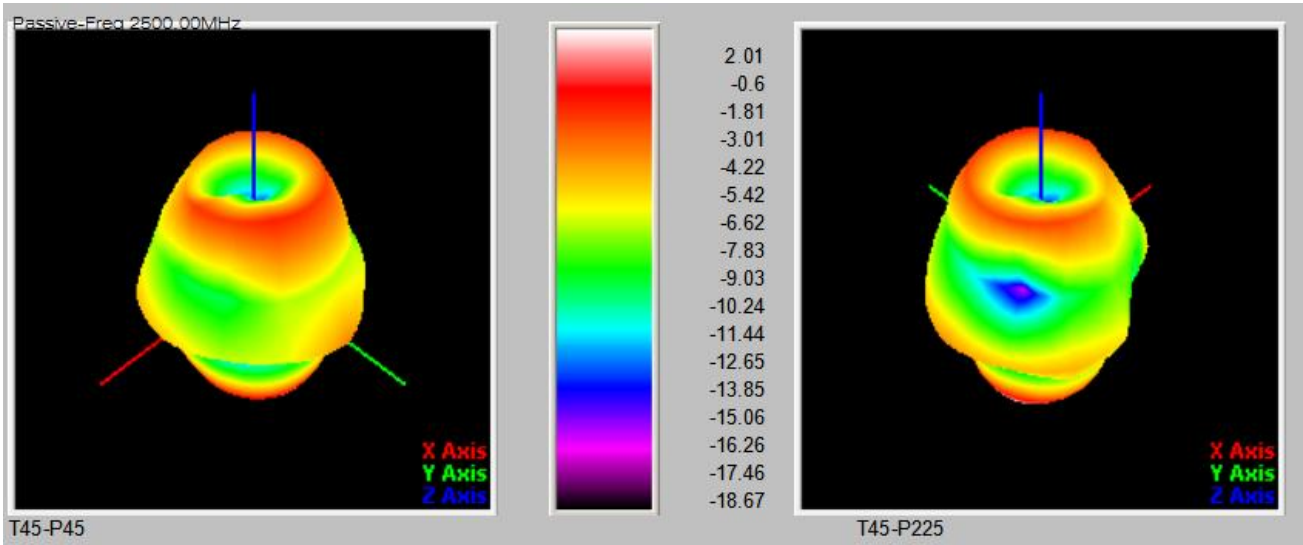
Antenna chamber structure

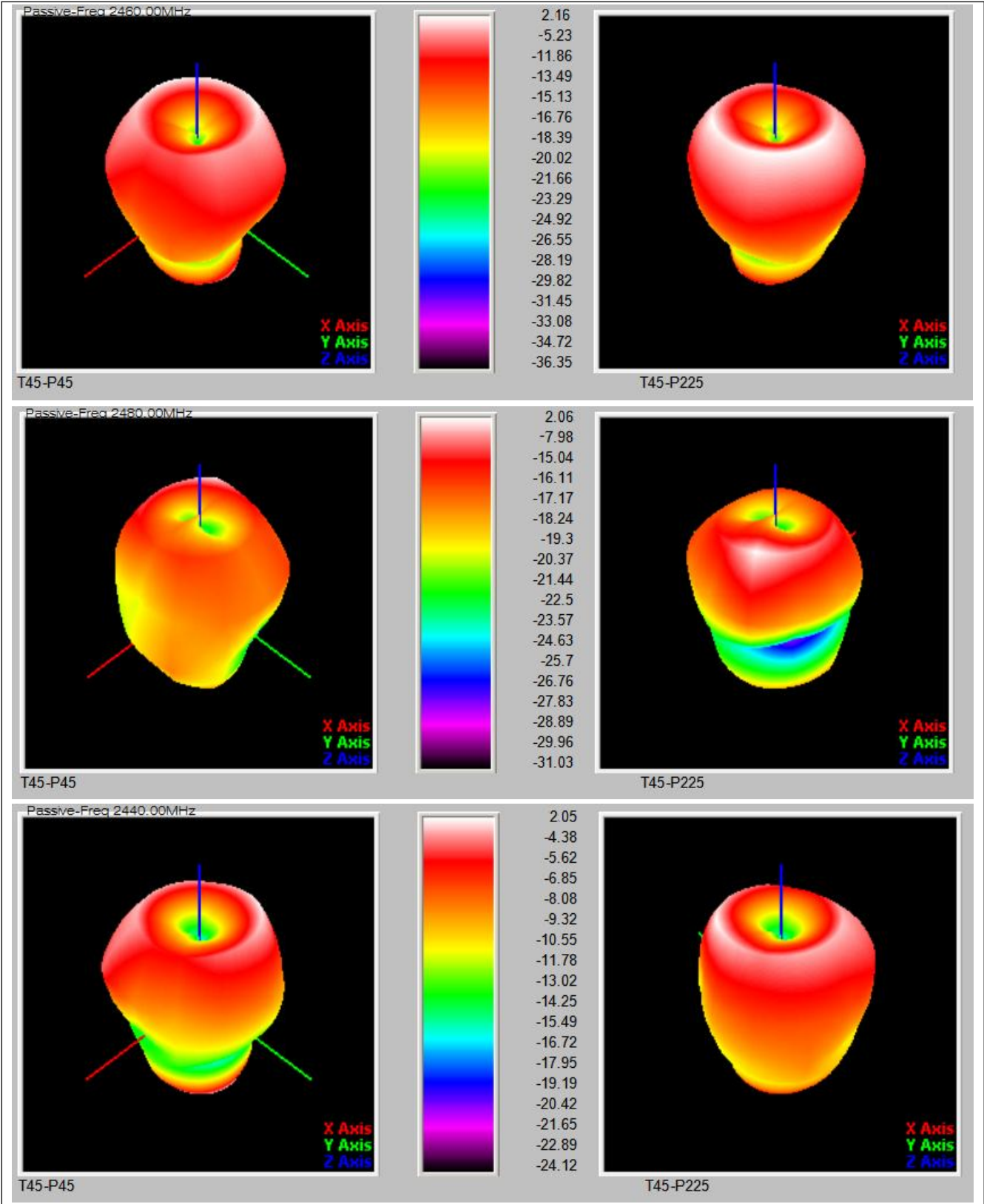


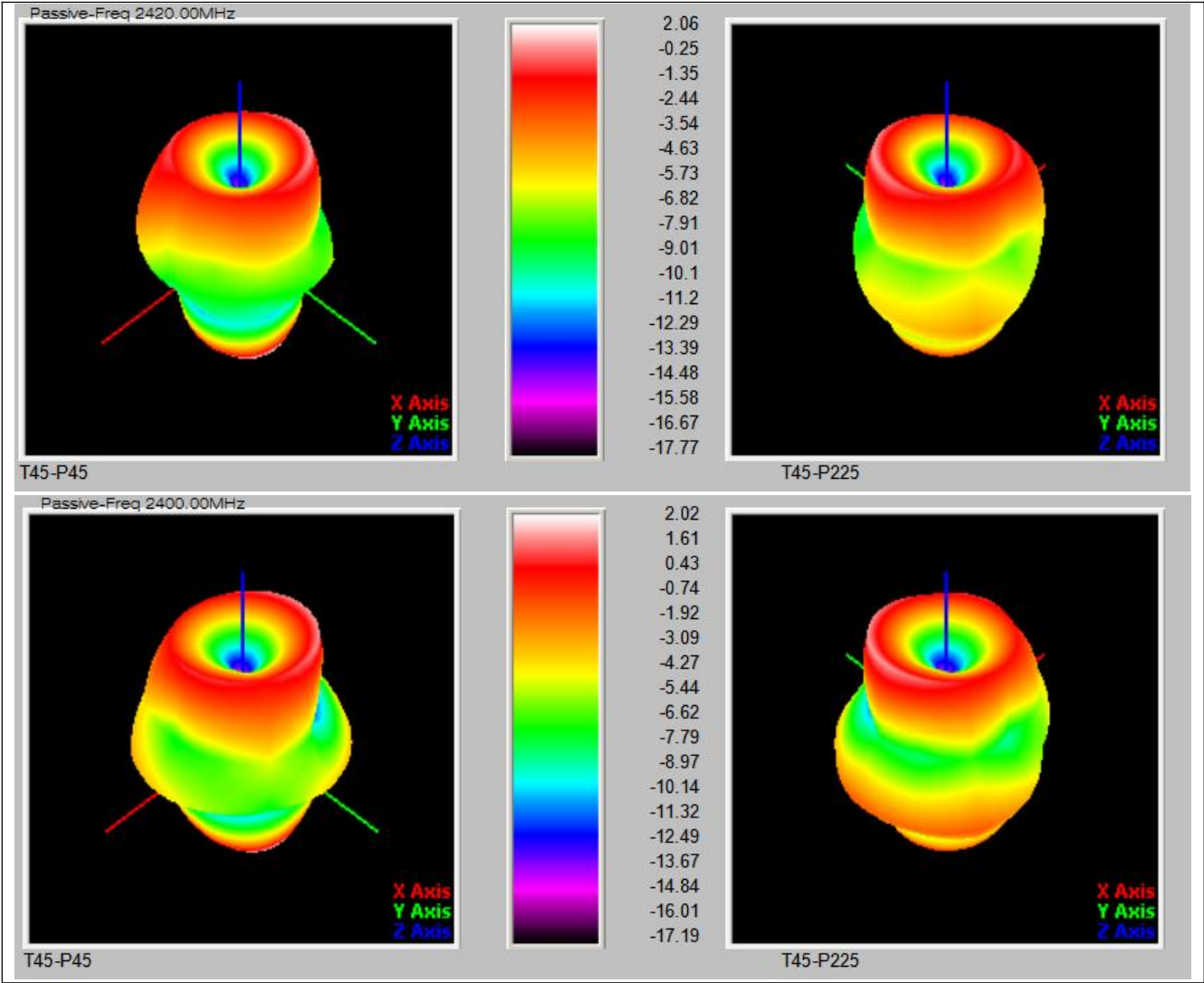
Antenna S-parameter



Passive Test For WiFi2.4G									
Freq(MHz)	Effi(%)	Gain (dBi)	UHTS (%)	DHIS (%)	Max dB	Min (dB)	Attenuat Hor	Attenuat Ver	
2400	72.3	2.02	37.246	56.025	2.02	-12.35	50.27	50.65	
2410	73.1	2.05	37.412	56.323	2.05	-12.26	50.32	50.71	
2420	73.7	2.06	38.755	55.607	2.06	-12.52	50.47	50.73	
2430	74.2	2.07	40.226	54.625	2.07	-12.61	50.65	50.74	
2440	75.1	2.08	42.521	56.423	2.08	-13.16	50.69	50.80	
2450	75.3	2.12	45.335	57.325	2.12	-13.25	50.72	50.83	
2460	76.1	2.16	46.237	58.016	2.16	-13.42	50.81	50.74	
2470	74.8	2.08	45.706	55.337	2.08	-13.01	50.56	50.64	
2480	73.5	2.06	45.012	56.658	2.06	-12.52	50.42	50.55	
2490	72.6	2.04	44.625	57.216	2.04	-12.21	50.35	50.36	
2500	72.2	2.01	45.532	56.352	2.01	-12.06	50.17	50.28	







5G 测试数据表

Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dBi)	Efficiency (%)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBi)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	5150.0	5150.00	4.27	54.2%	150	300	-13.78	120	300	-3.09	15.40	4.71	-10.69
2	5300.0	5300.00	4.28	54.6%	150	300	-13.87	120	300	-3.03	15.63	4.65	-10.83
3	5500.0	5500.00	4.27	54.5%	150	300	-13.82	120	300	-3.02	15.72	4.62	-10.93
4	5850.0	5850.00	4.03	42.3%	120	270	-18.91	0	150	-4.48	19.24	4.81	-14.43
5	5950.0	5950.00	4.01	41.5%	120	270	-19.23	0	150	-4.68	19.60	4.96	-15.15

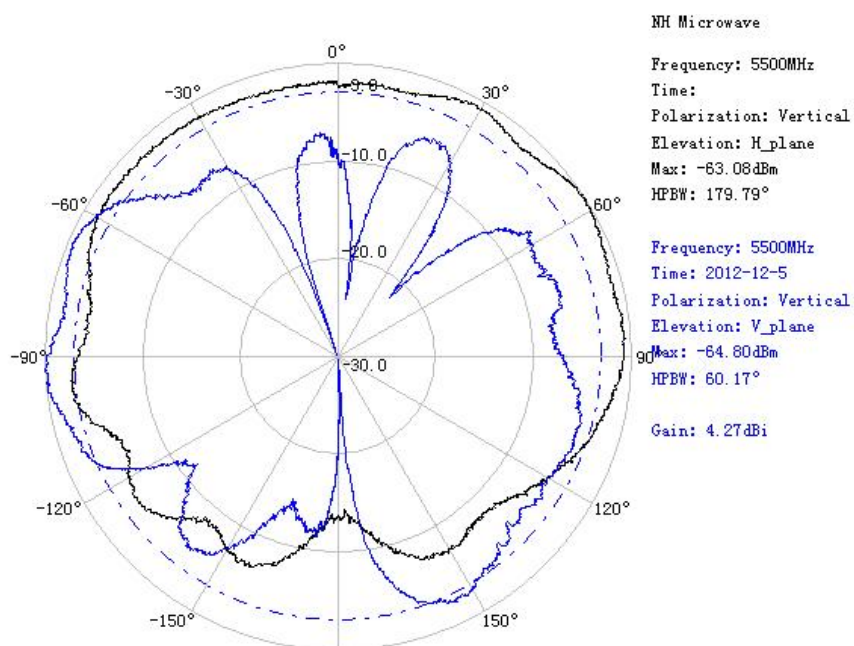
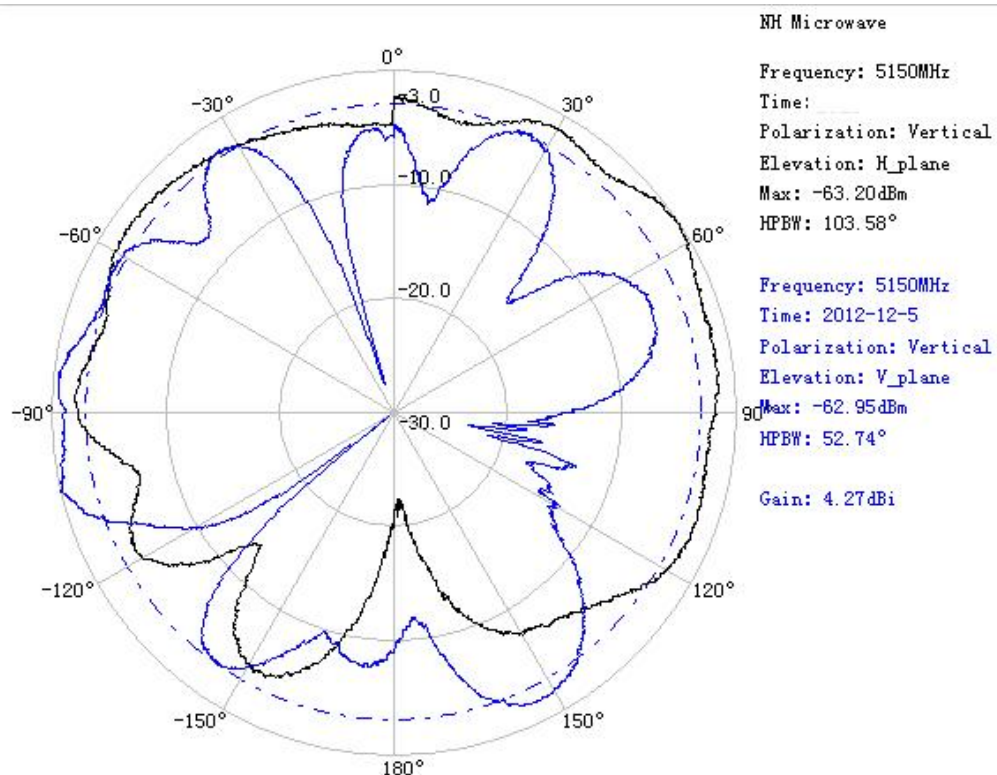
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