



深圳市英佳创电子科技有限公司

产品天线调测报告

时间：2022年12月14日

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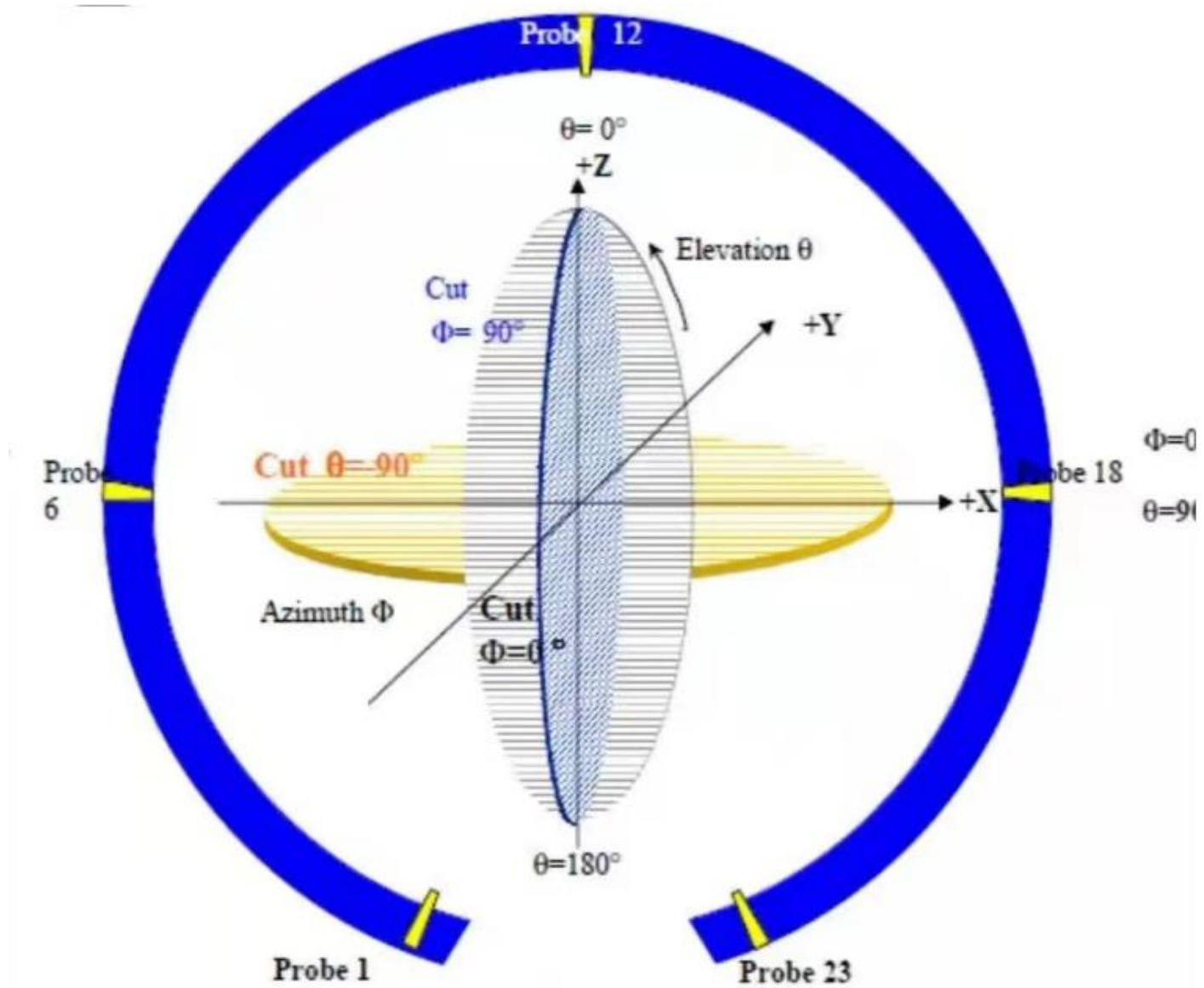
邮 箱：yjc@szsyjc.com

一、项目概况

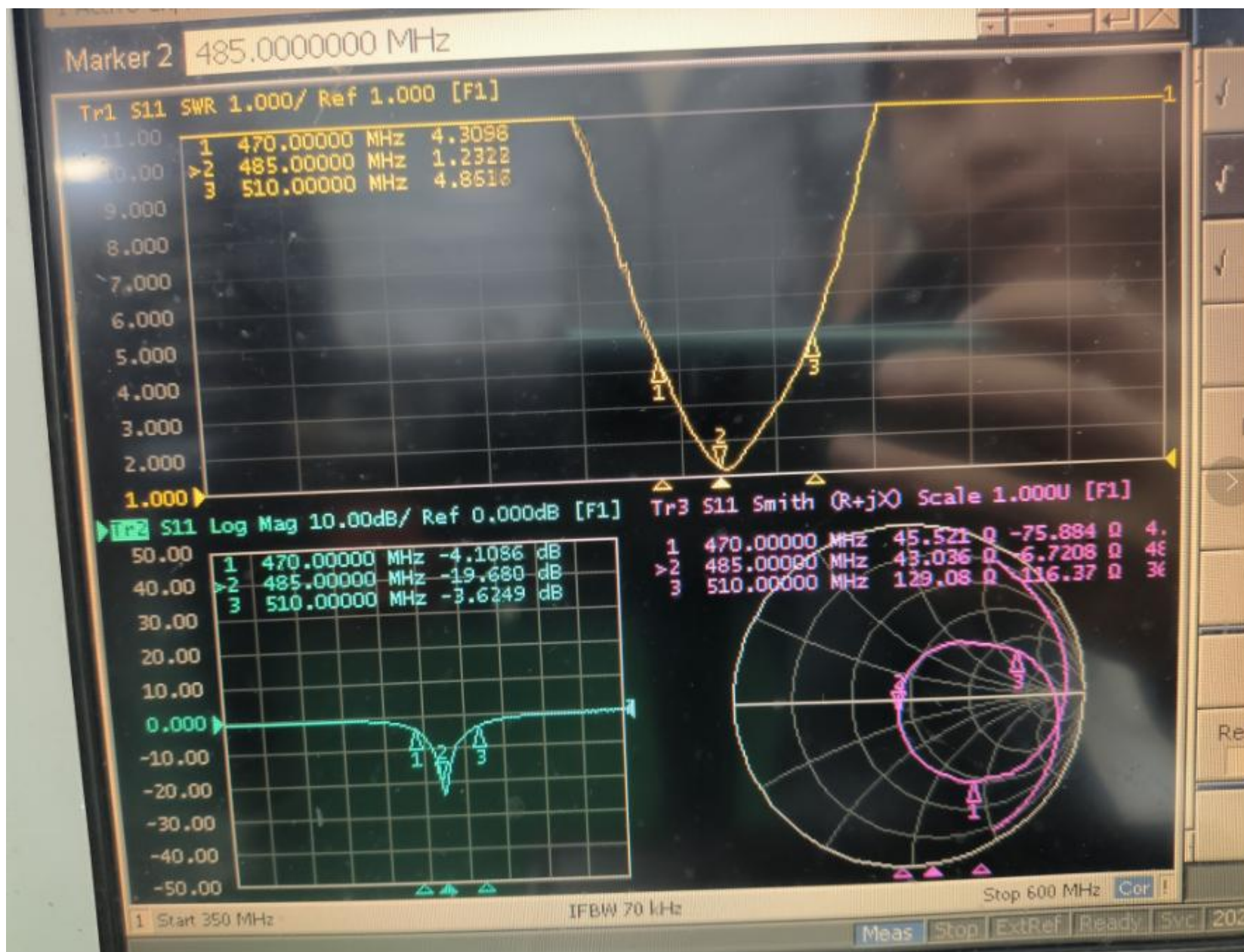
客户名称	项目名称	天线实现方式
1063		内置天线
工作频段 (MHz)		
	470-510 MHz	
	860-870 MHz	
	902-928 MHz	
	2400-2500 MHz/ 5150-5850 MHz	

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暗室3D坐标系示意图



天线470-510MHz驻波图

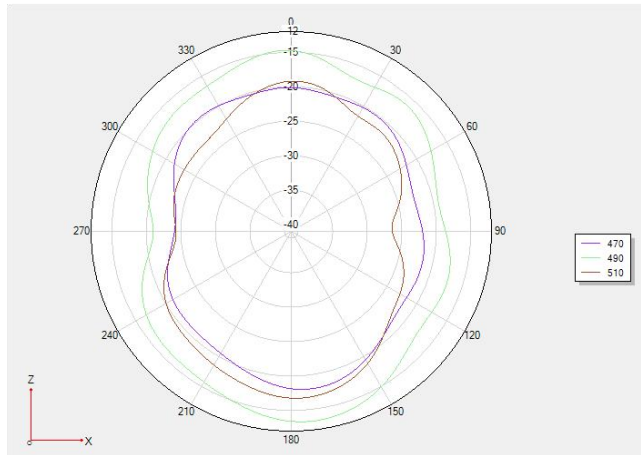


天线470-510MHz无源测试数据

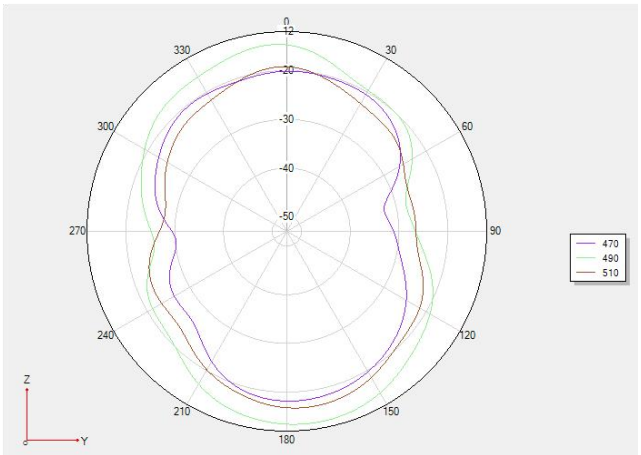
Frequency / MHz	Efficiency / %	Gain/ dBi
470	0.31	-17.96
480	0.62	-15.03
490	1.02	-13.14
500	0.84	-13.67
510	0.35	-16.6

天线470-510MHz测试2D3D图

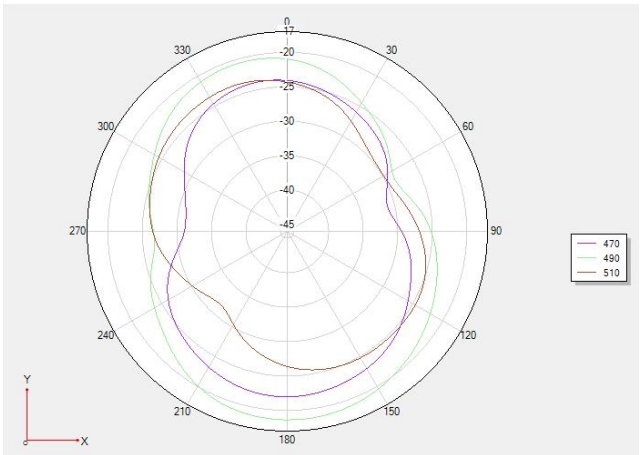
Phi 0 2D图



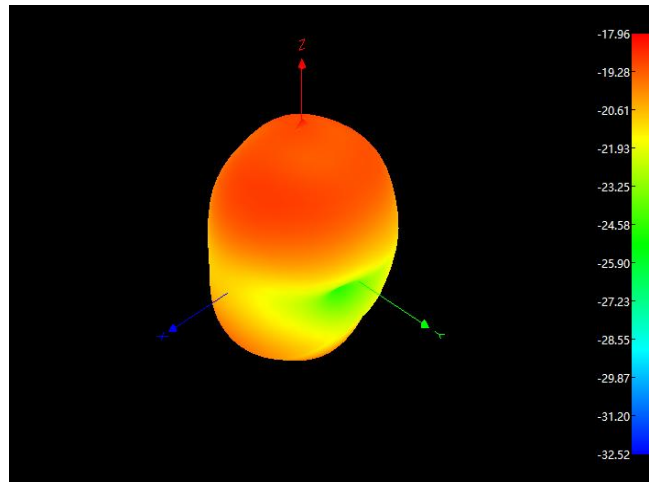
Phi 90 2D图



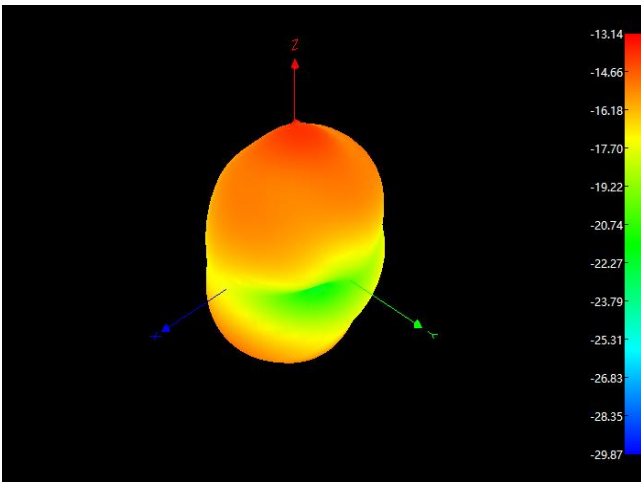
Theta 90 2D图



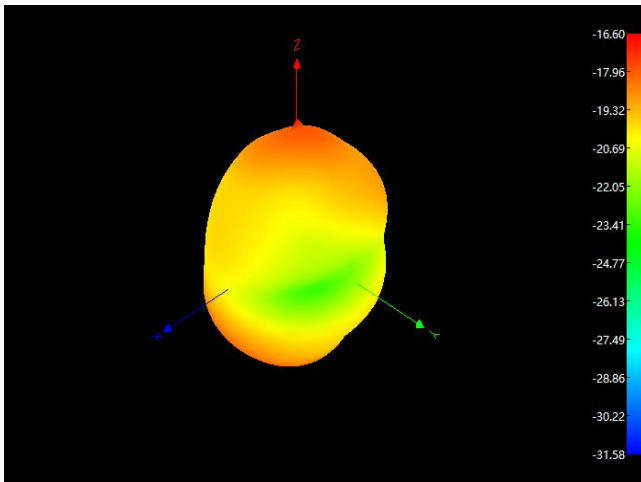
470



490



510



天线860-870MHz驻波图

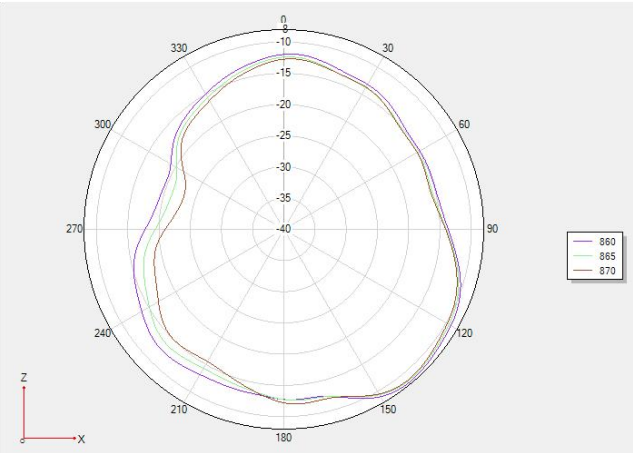


天线860-870MHz无源测试数据

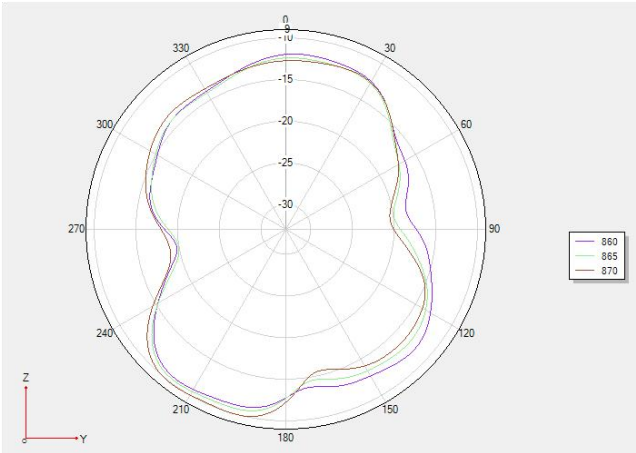
Frequency / MHz	Efficiency / %	Gain/ dBi
860	4.4	-7.74
861	4.41	-7.68
862	4.36	-7.72
863	4.32	-7.81
864	4.2	-7.99
865	4.16	-8.04
866	4.09	-8.16
867	4.06	-8.19
868	4.06	-8.17
869	4.03	-8.22
870	4.01	-8.27

天线860-870MHz测试2D3D图

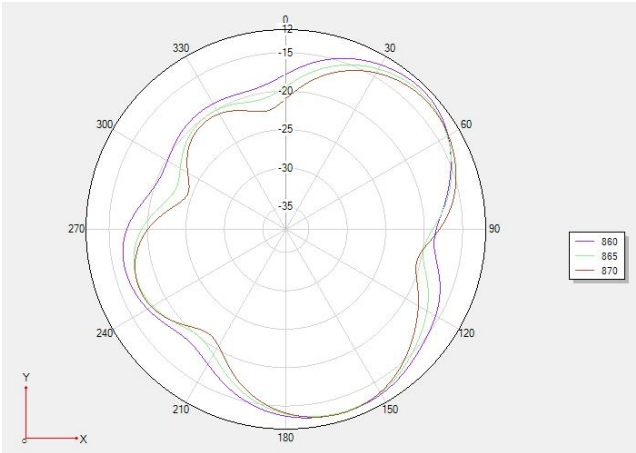
Phi 0 2D图



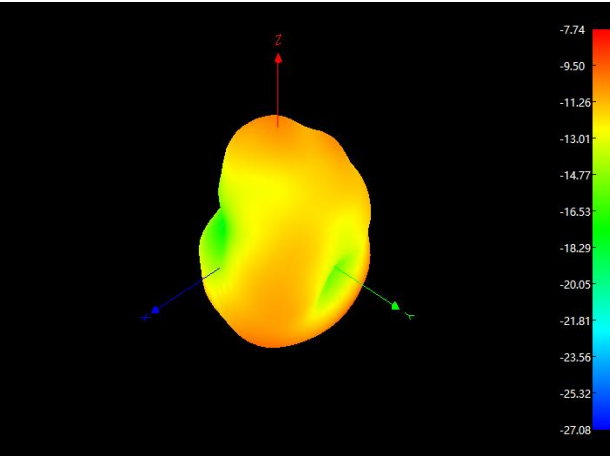
Phi 90 2D图



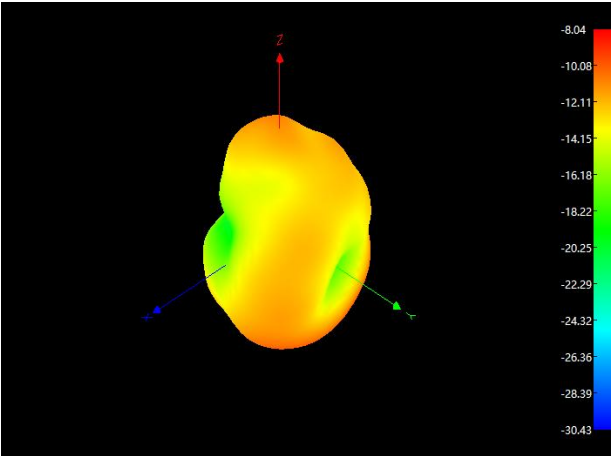
Theta 90 2D图



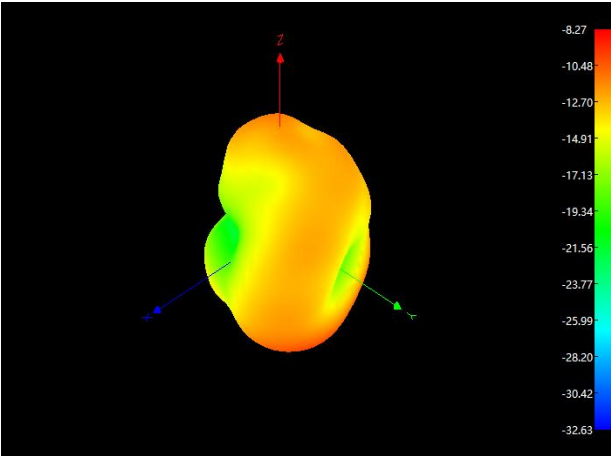
860



865



870



天线902-928MHz驻波图

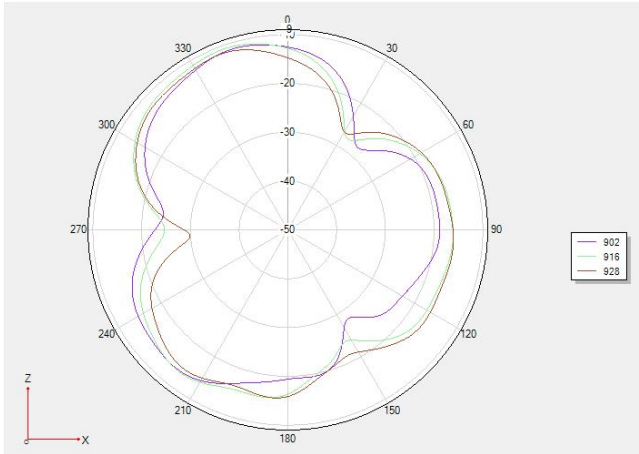


天线902-928MHz无源测试数据

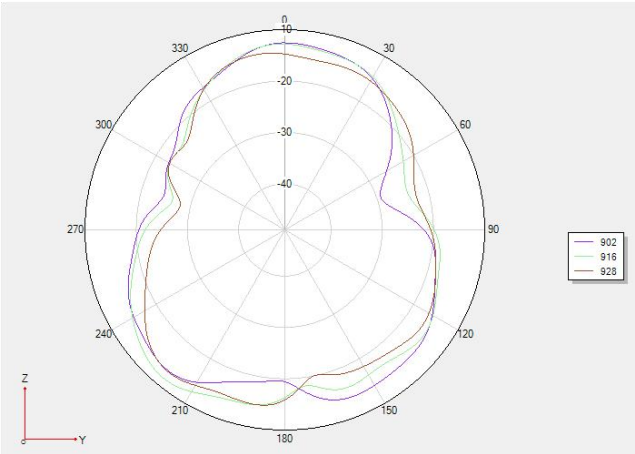
Frequency / MHz	Efficiency / %	Gain/ dBi
902	2.12	-11.25
904	2.11	-11.23
906	2.18	-11.15
908	2.23	-11.07
910	2.23	-10.95
912	2.23	-10.96
914	2.25	-10.81
916	2.29	-10.64
918	2.28	-10.6
920	2.19	-10.72
922	2.08	-10.75
924	2.03	-10.85
926	1.99	-11.13
928	1.92	-11.46

天线902-928MHz测试2D3D图

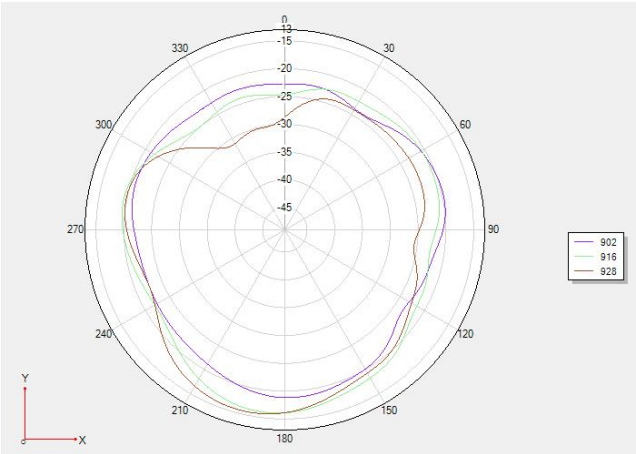
Phi 0 2D图



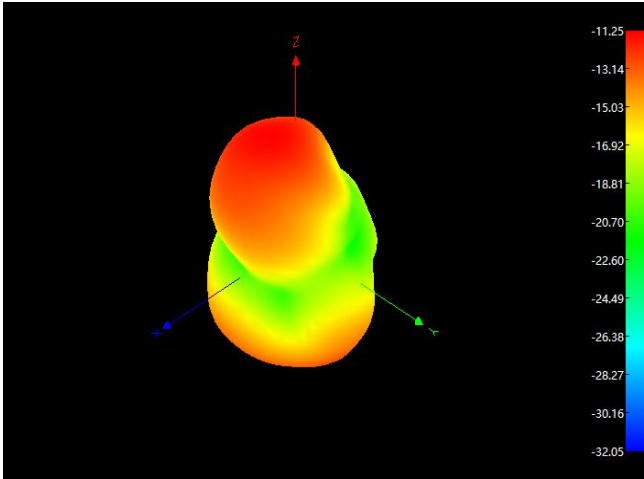
Phi 90 2D图



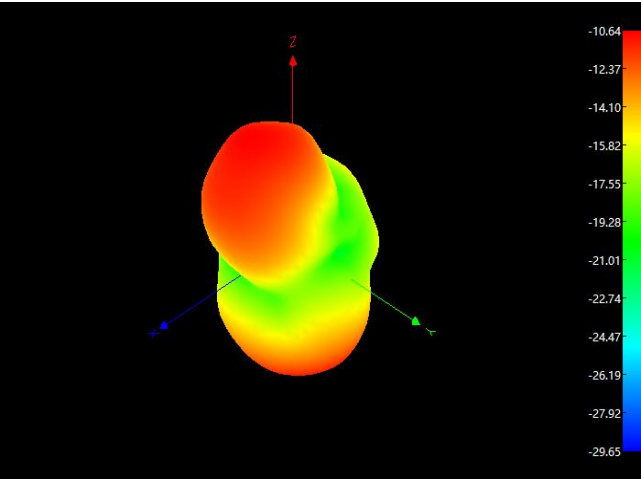
Theta 90 2D图



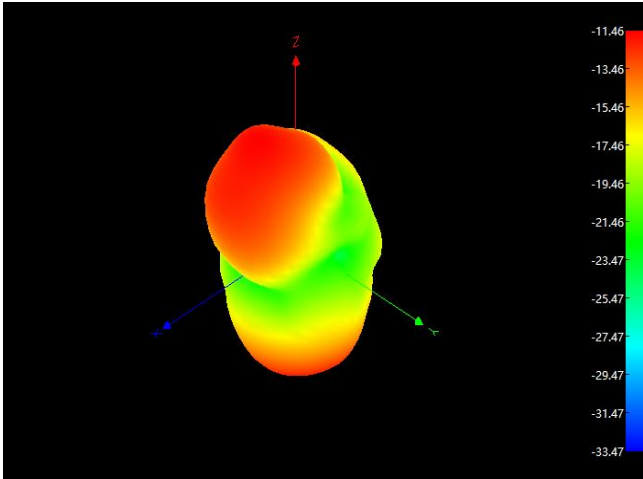
902



916



928



天线2.4G/5.8G驻波图

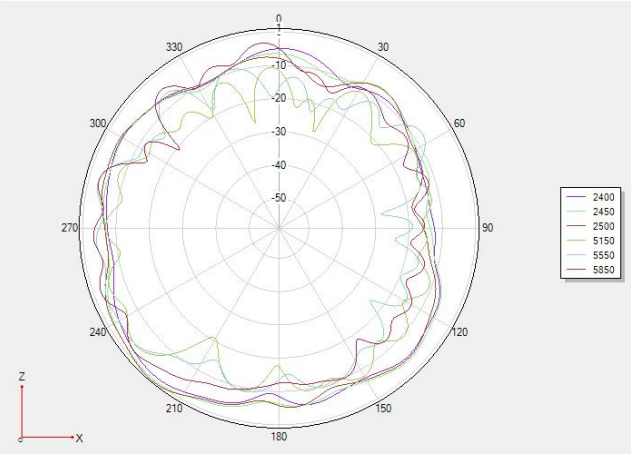


天线2.4G/5.8G无源测试数据

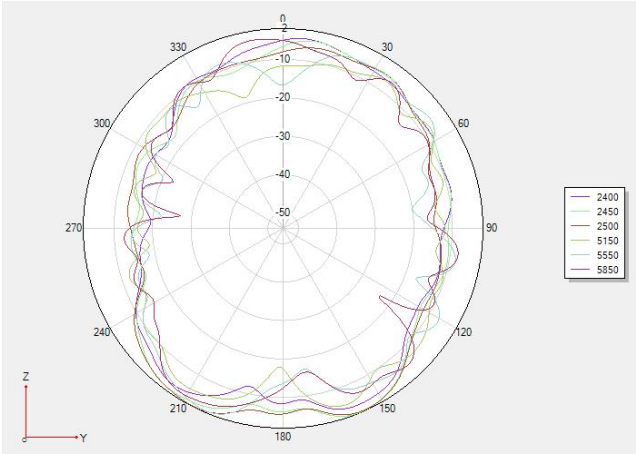
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	17.99	1.65
2410	19.95	2.26
2420	19.36	1.73
2430	20	1.7
2440	19.91	1.47
2450	21.18	1.7
2460	20.7	1.48
2470	19.72	1.14
2480	20.32	1.63
2490	19.68	1.31
2500	18.92	1.26
5150	8.63	-3.33
5250	10.16	-3.58
5350	10.96	-2.89
5450	11.12	-2.18
5550	13.12	-0.99
5650	14.39	-0.8
5750	15.85	0.06
5850	13.65	-0.74

天线2.4G/5.8G测试2D图

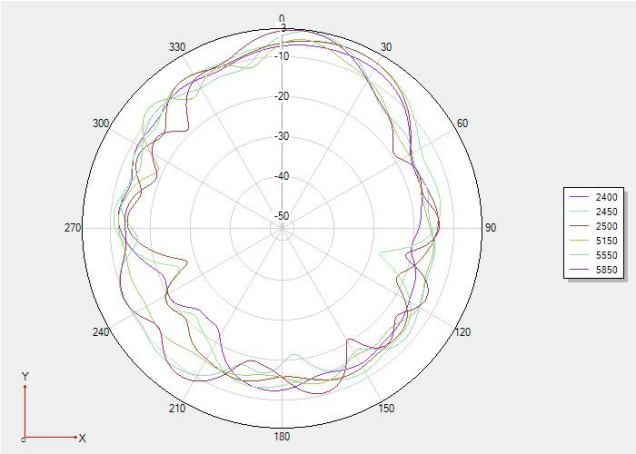
Phi 0 2D图



Phi 90 2D图

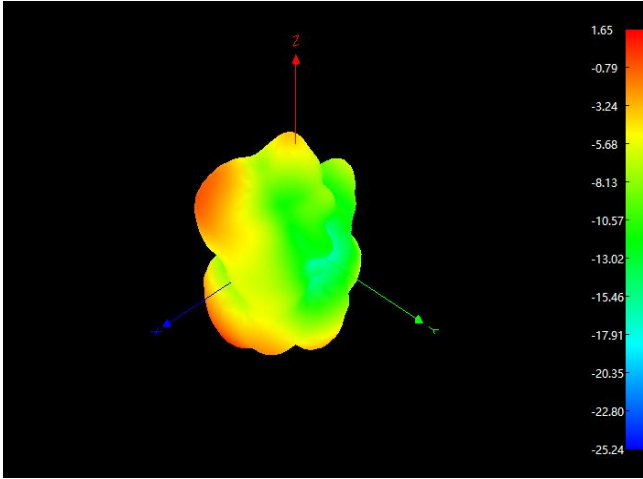


Theta 90 2D图

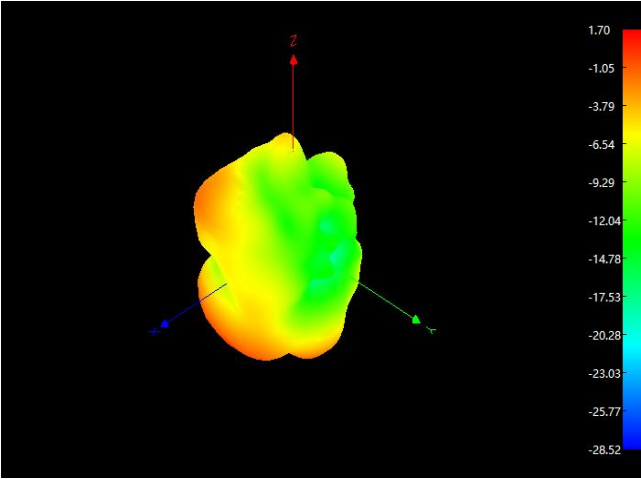


天线2.4G/5.8G测试3D图

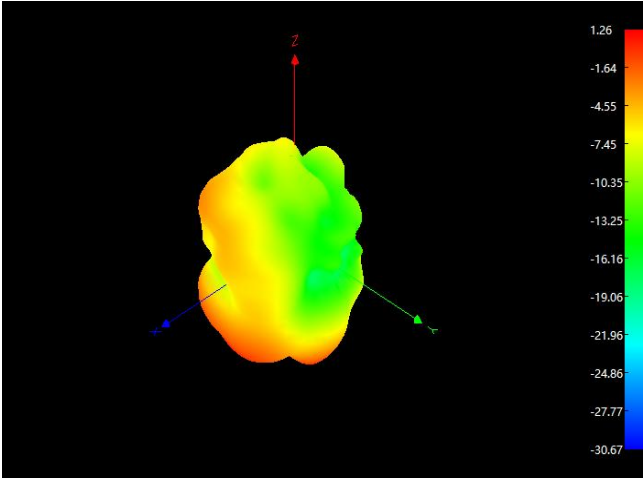
2400



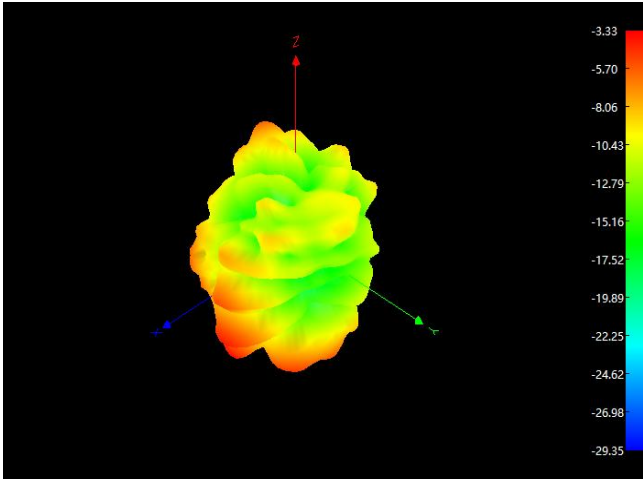
2450



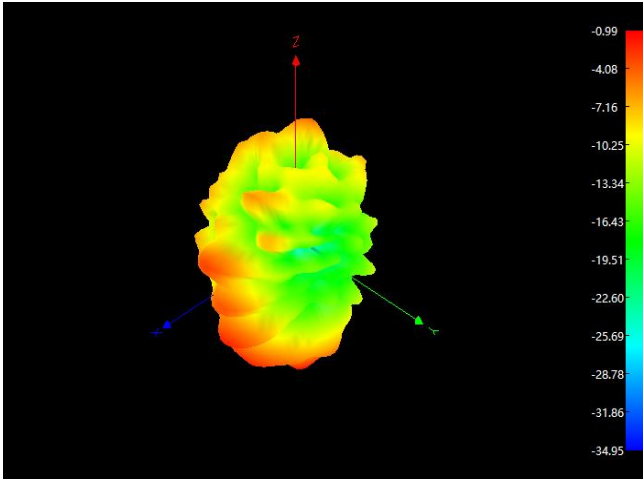
2500



5150



5550



5850

