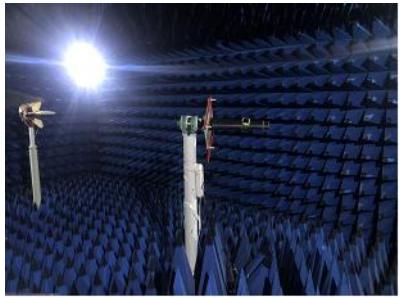
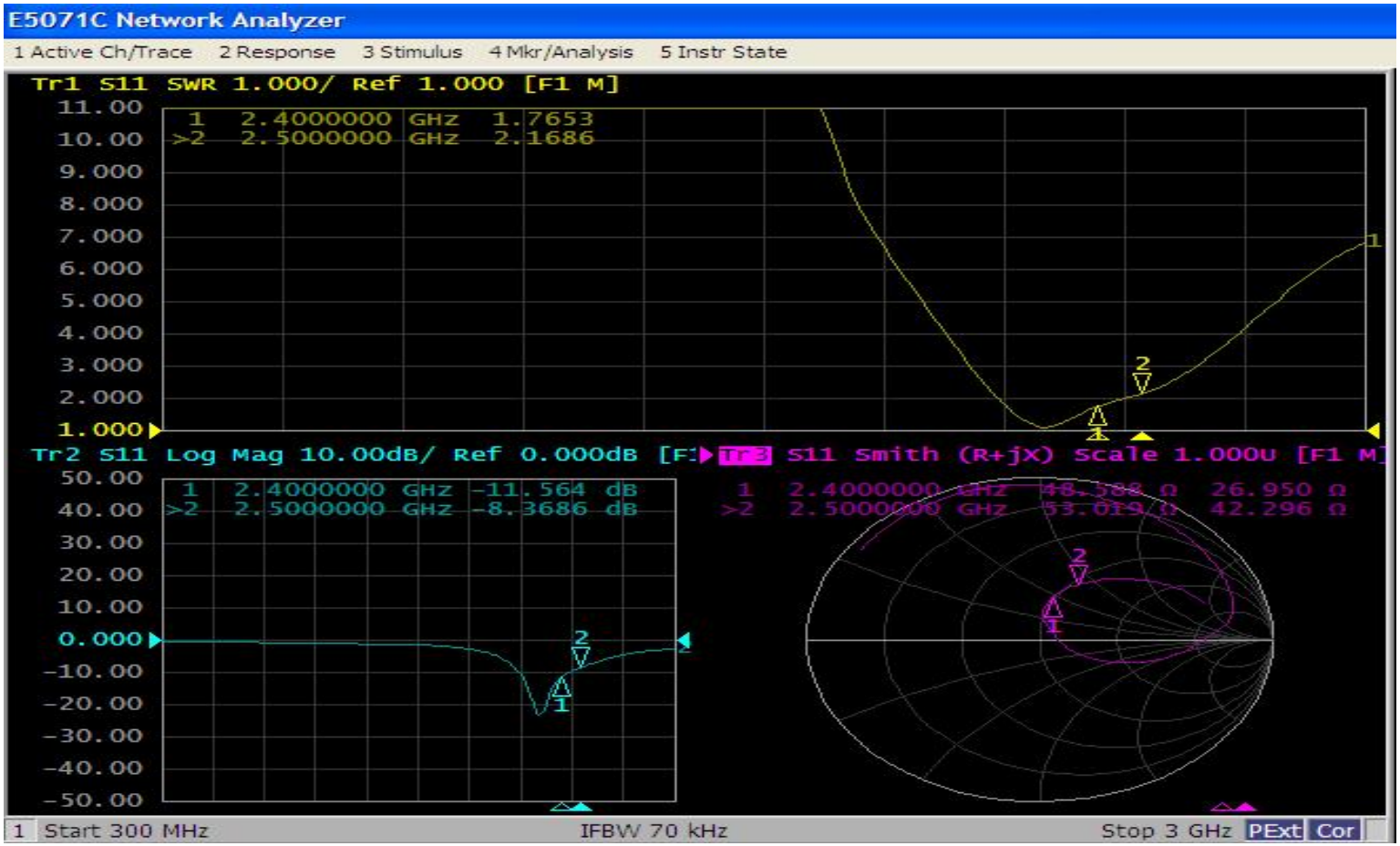
Test report of intelligent PCB-2.4G antenna

射频：贺磊
日期：2023-7-26
联系方式：15767667652



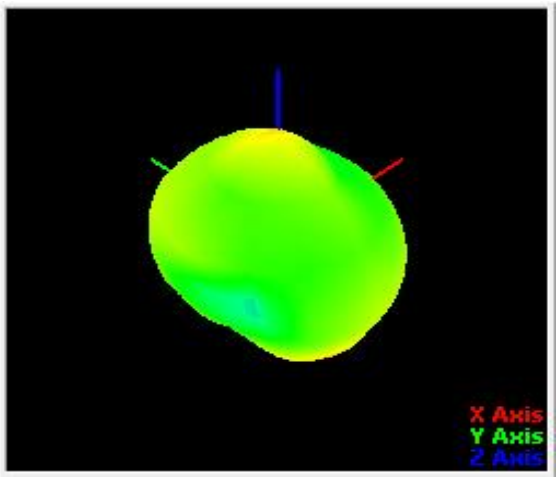
WIFI-1 （ LOGMAG+VSWR+SMITH）

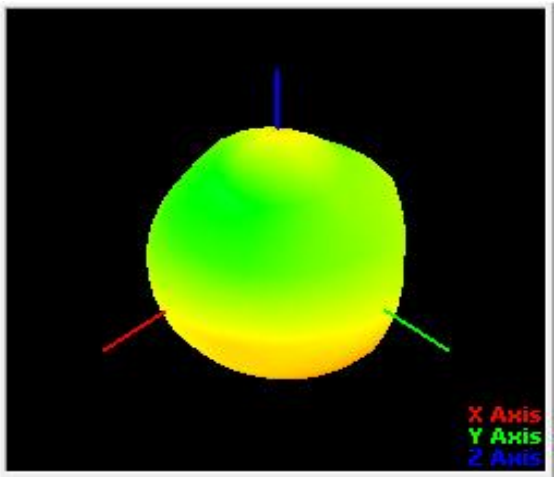


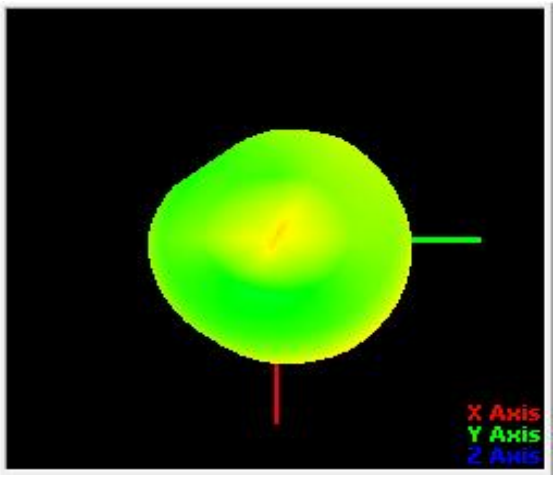
（WIFI-1）-Antenna efficiency and gain

Passive Test For 2400MHz~2500MHz				
Freq	Effi	Effi	Gain	
(MHz)	(%)	(dB)	(dBi)	
2400	56.6%	-2.47	2.53	
2410	55.1%	-2.59	2.36	
2420	54.8%	-2.61	2.16	
2430	53.6%	-2.71	2.21	
2440	53.2%	-2.74	2.45	
2450	54.3%	-2.65	2.31	
2460	53.7%	-2.70	2.25	
2470	52.6%	-2.79	1.68	
2480	50.1%	-3.00	1.83	
2490	49.5%	-3.05	1.86	
2500	48.7%	-3.12	1.74	

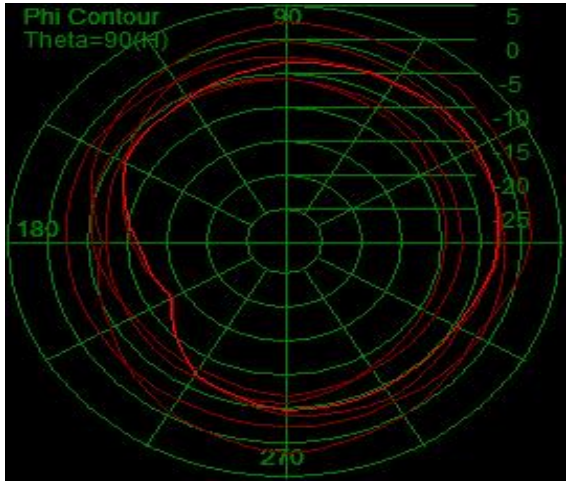
Radiation Pattern For WIFI-1 Antenna（2450MHz），Peak Gain：2.31dbi

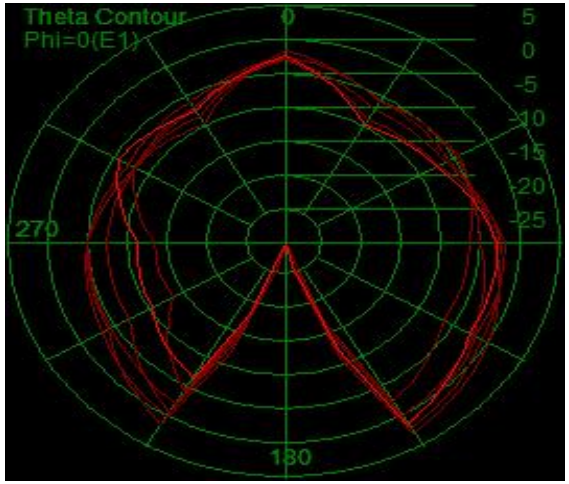


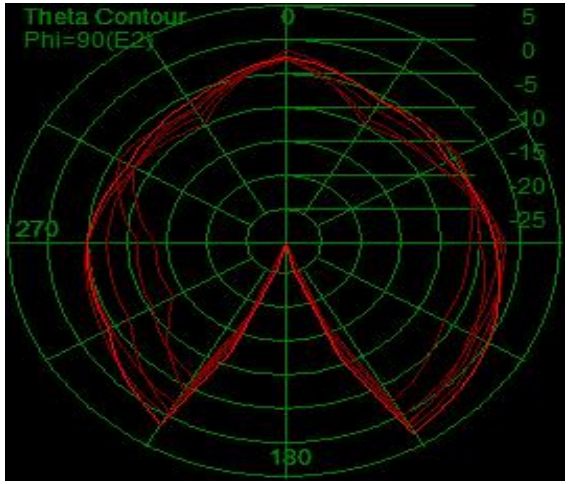




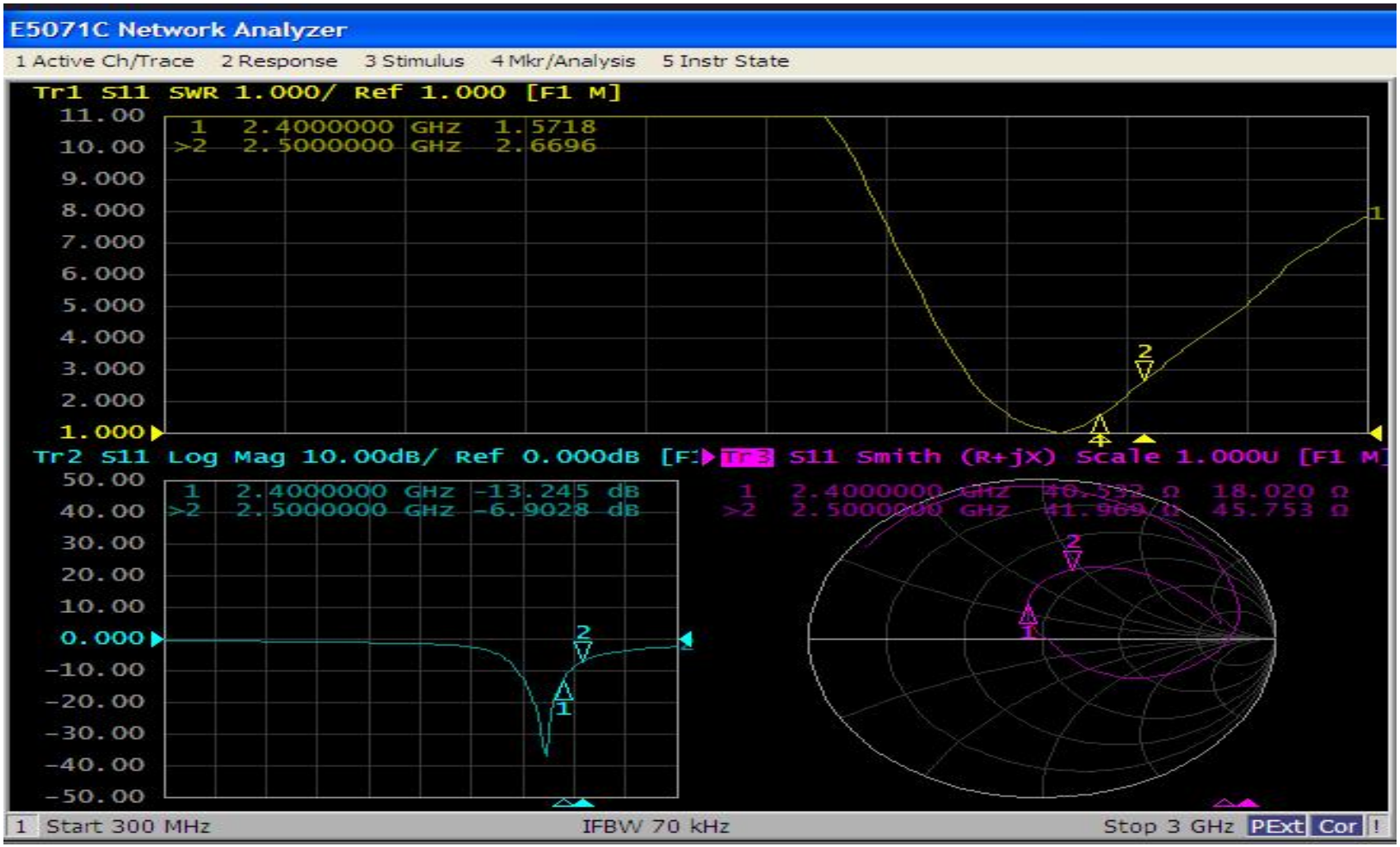
Antenna passive parameters - (WIFI-1) field pattern







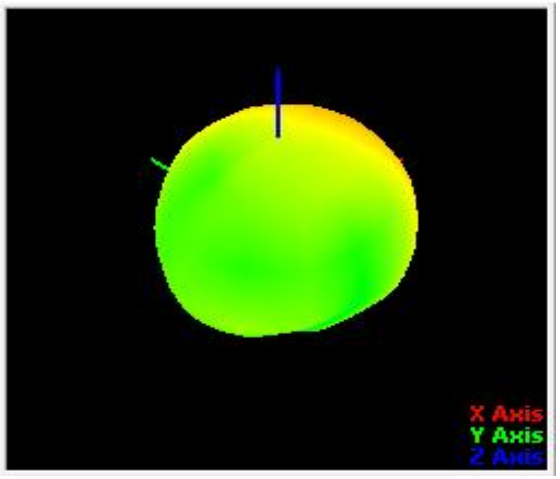
WIFI-2 （ LOGMAG+VSWR+SMITH）

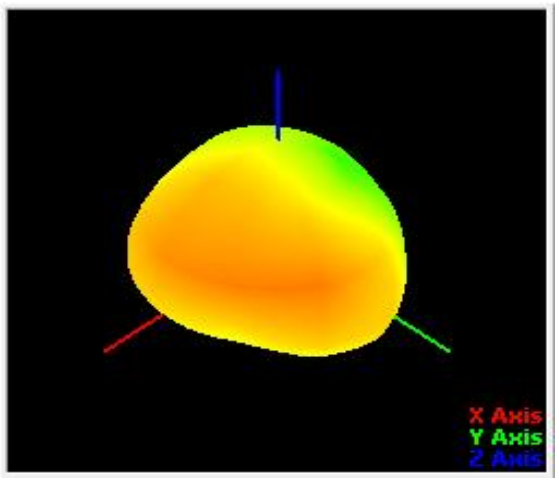


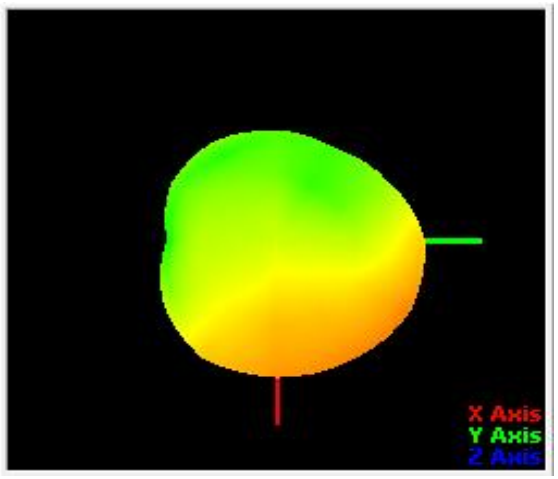
（WIFI-2）-Antenna efficiency and gain

Passive Test For 2400MHz~2500MHz				
Freq	Effi	Effi	Gain	
(MHz)	(%)	(dB)	(dBi)	
2400	54.1%	-2.67	2.05	
2410	53.7%	-2.70	1.76	
2420	52.9%	-2.77	2.09	
2430	52.1%	-2.83	1.64	
2440	51.4%	-2.89	1.58	
2450	50.6%	-2.96	1.69	
2460	49.3%	-3.07	1.53	
2470	48.4%	-3.15	1.46	
2480	47.6%	-3.22	1.52	
2490	46.5%	-3.33	1.39	
2500	46.1%	-3.36	1.42	

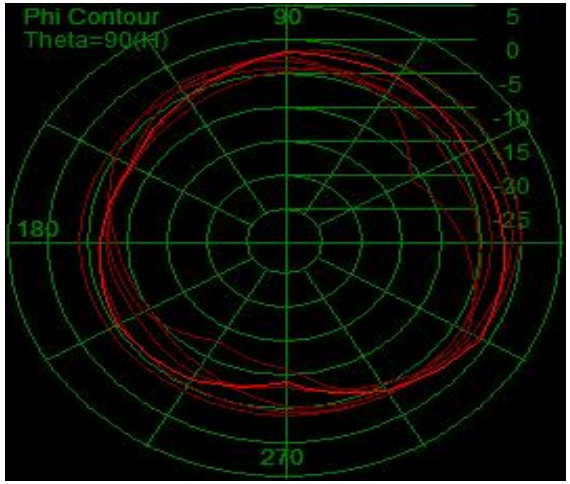
Radiation Pattern For WIFI-2 Antenna（2450MHz），Peak Gain：1.69dbi

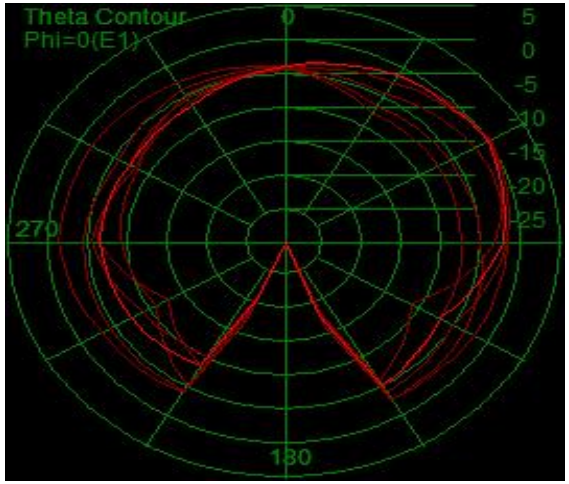


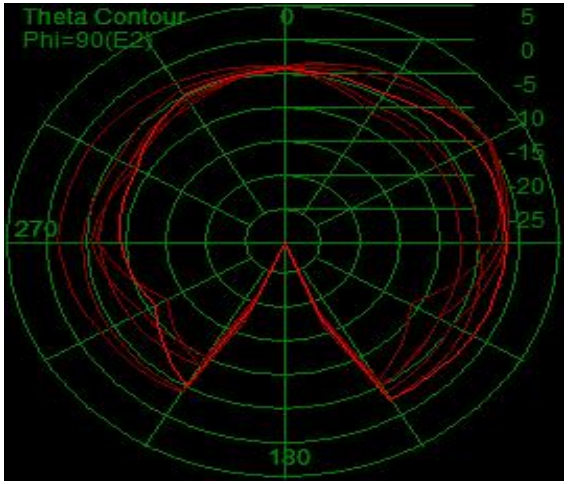




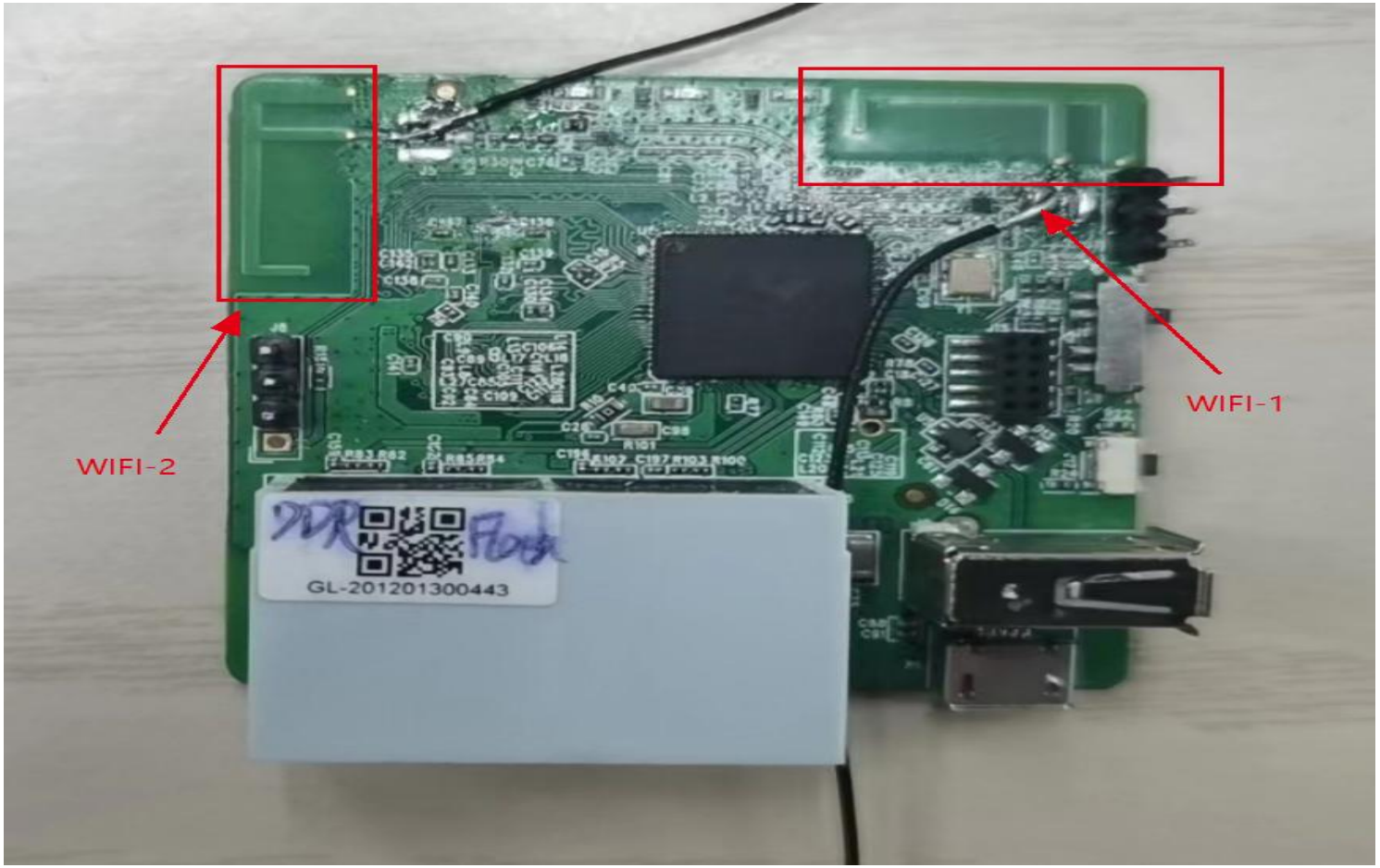
Antenna passive parameters - (WIFI-2) field pattern







WIFIPosition marker



Thank you!

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