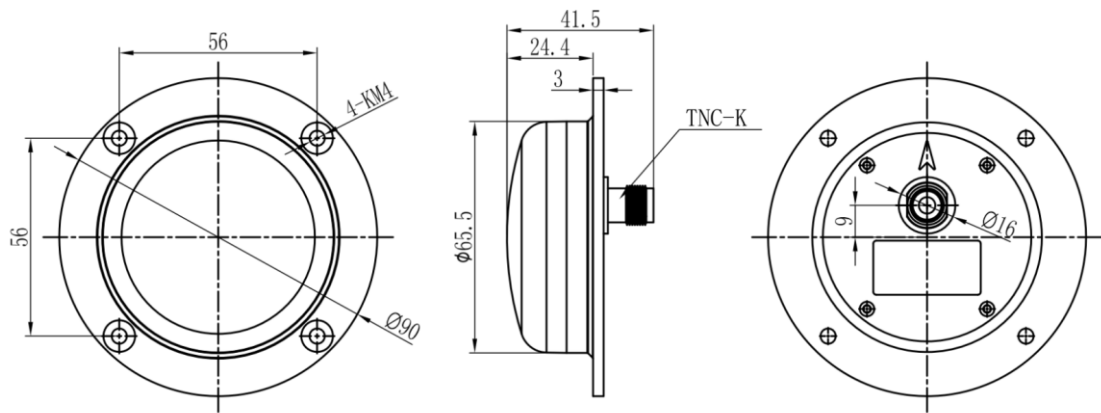


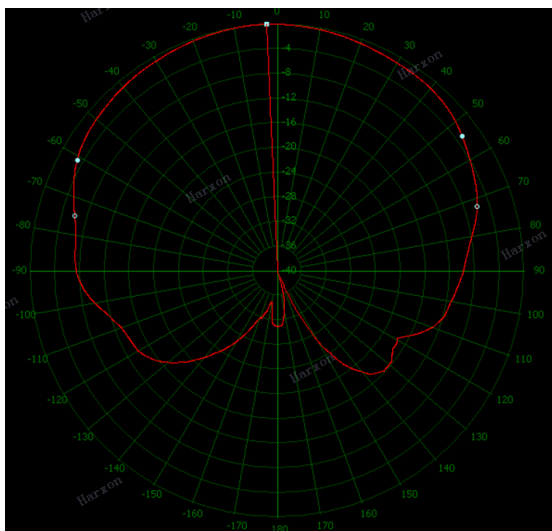
Antenna test report

1、Antenna Structure

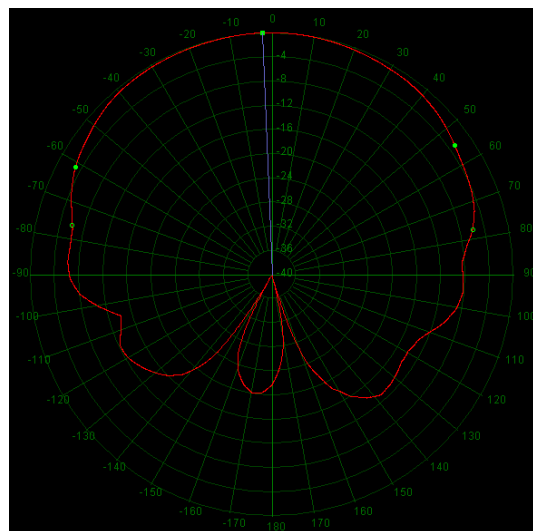


2、Antenna Radiation Pattern

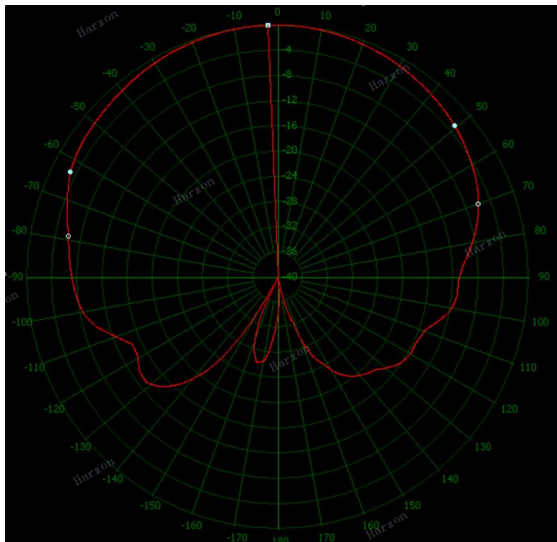
frequency (MHz)	1561	1575	1616	1205	1227	1254	1268	1278
Max gain (dBi)	3.9	4.5	3.7	0.2	4.1	2.0	-0.5	-1.9
Axial Ratio (dB)	0.3	0.2	0.3	2.5	2.8	0.8	0.8	1.0
Gain @20° elevation (dBi)	-1.6	-1.3	-2.2	-6.4	-2.7	-4.5	-7.1	-8.5
Roundness@20° elevation (dB)	±0.8	±0.5	±0.8	±1.0	±0.6	±0.6	±0.8	±0.7



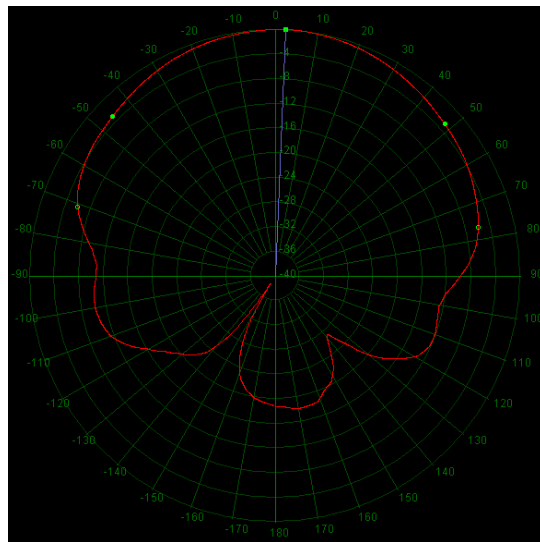
1561MHz



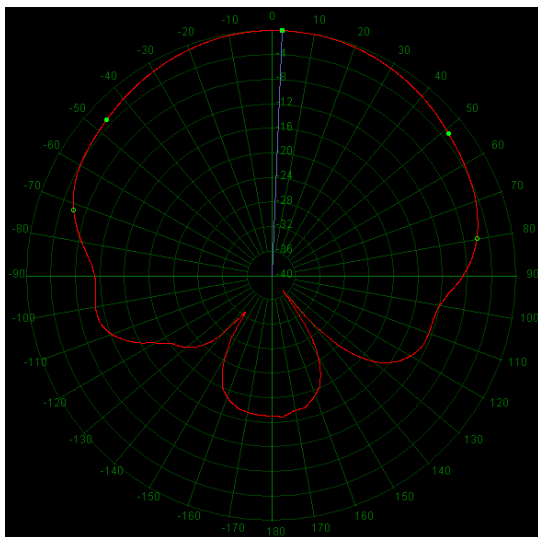
1575MHz



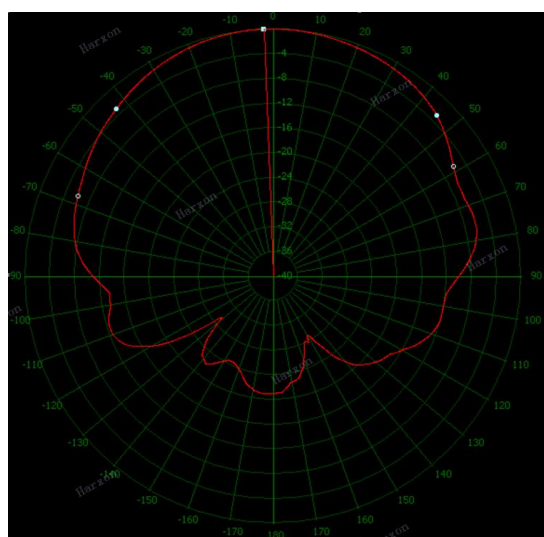
1616MHz



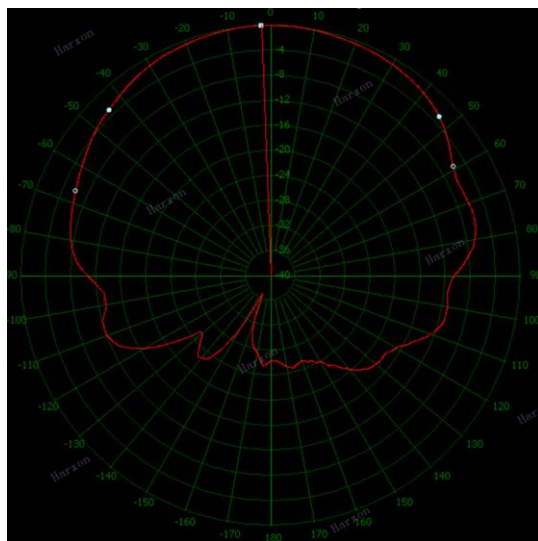
1205MHz



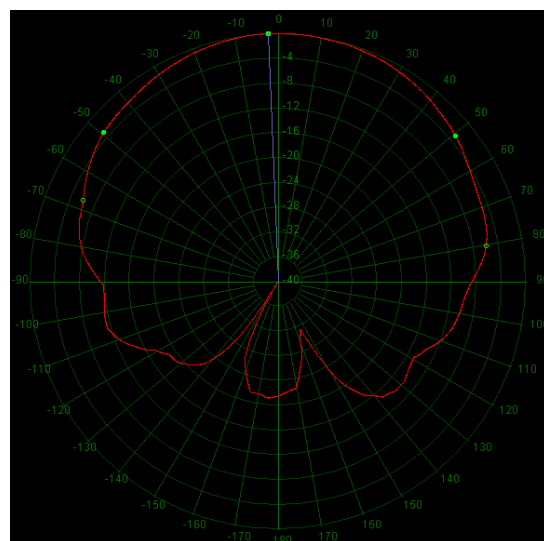
1227MHz



1254MHz



1268MHz

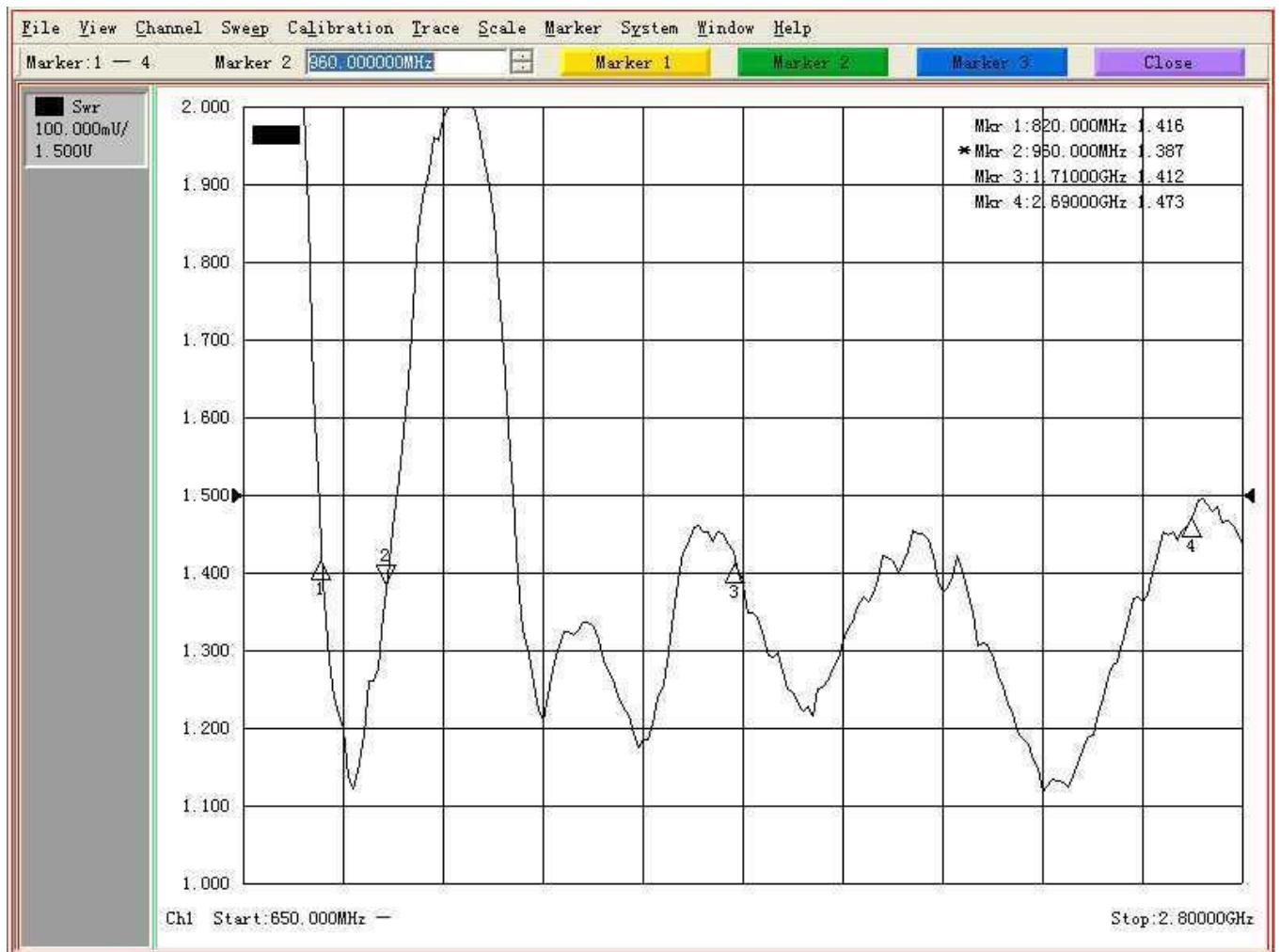


1278MHz

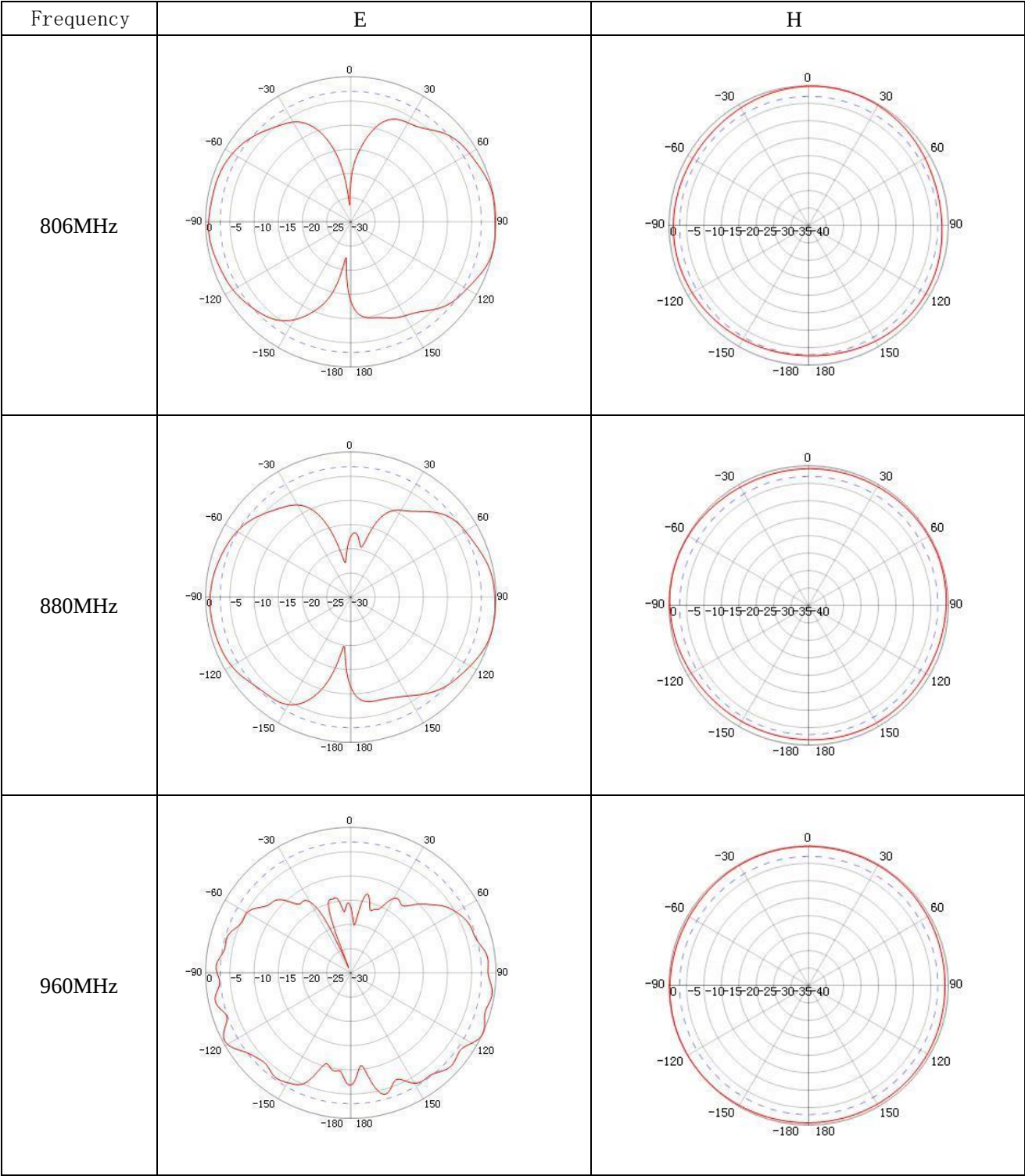
Room Temperature Electrical Performance Test Results

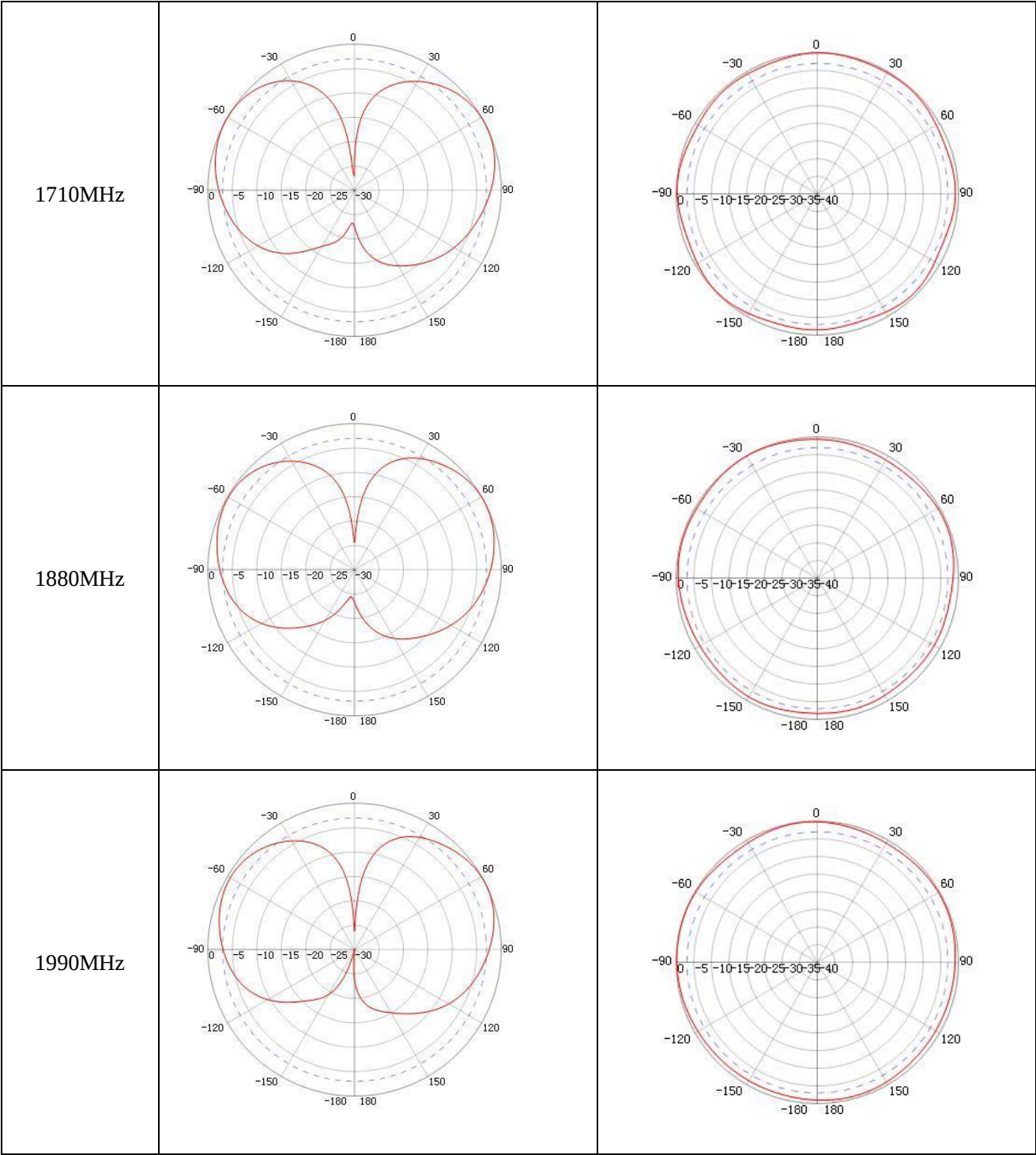
Test project	Indicator requirements	test frequency	Port number	result
			806-960/1710-2690	
dBi	3.5±1/4.5±1	806	3.11	Pass
		880	3.24	
		960	3.52	
		1710	4.22	
		1880	4.21	
		1990	4.36	
		2170	4.45	
		2300	4.62	
		2500	4.59	
		2600	4.76	
		2690	4.63	
E surface roundness	360	806	360	Pass
		880	360	
		960	360	
		1710	360	
		1880	360	
		1990	360	
		2170	360	
		2300	360	
		2500	360	
		2600	360	
		2690	360	
E surface 3dB width	75±15/58±20	806	77.6	Pass
		880	76.35	
		960	64.2	
		1710	65.17	
		1880	67.61	
		1990	64.24	
		2170	60.35	
		2300	60.9	
		2500	62.99	
		2600	60.91	
		2690	59.29	
standing wave ratio	<1.5	1.42	1.47	Pass
Radiation pattern	见附图			Pass
polarization mode	vertical	/	vertical	Pass
Result: The electrical performance test of the sample is qualified.				

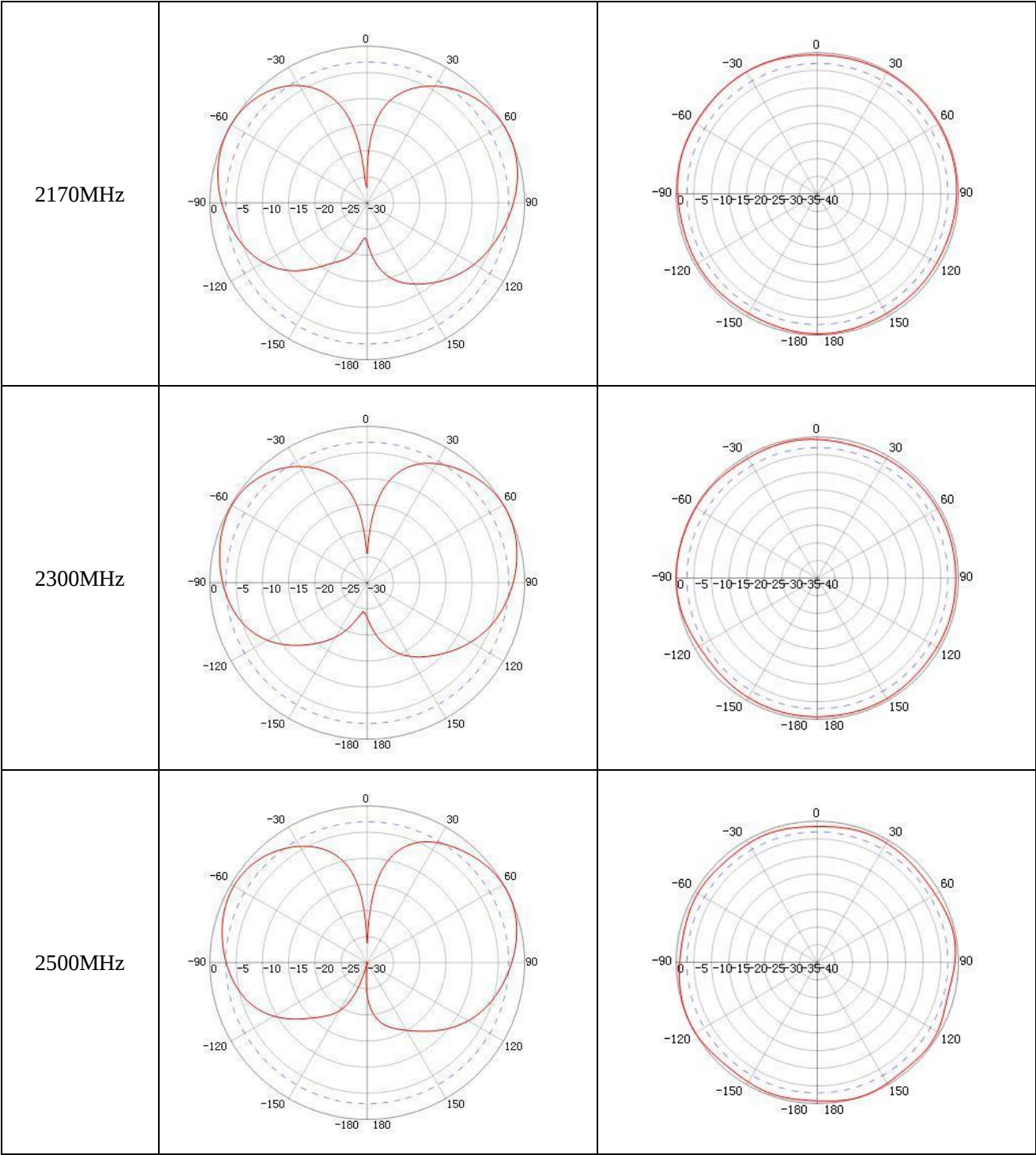
Voltage standing wave ratio at room temperature

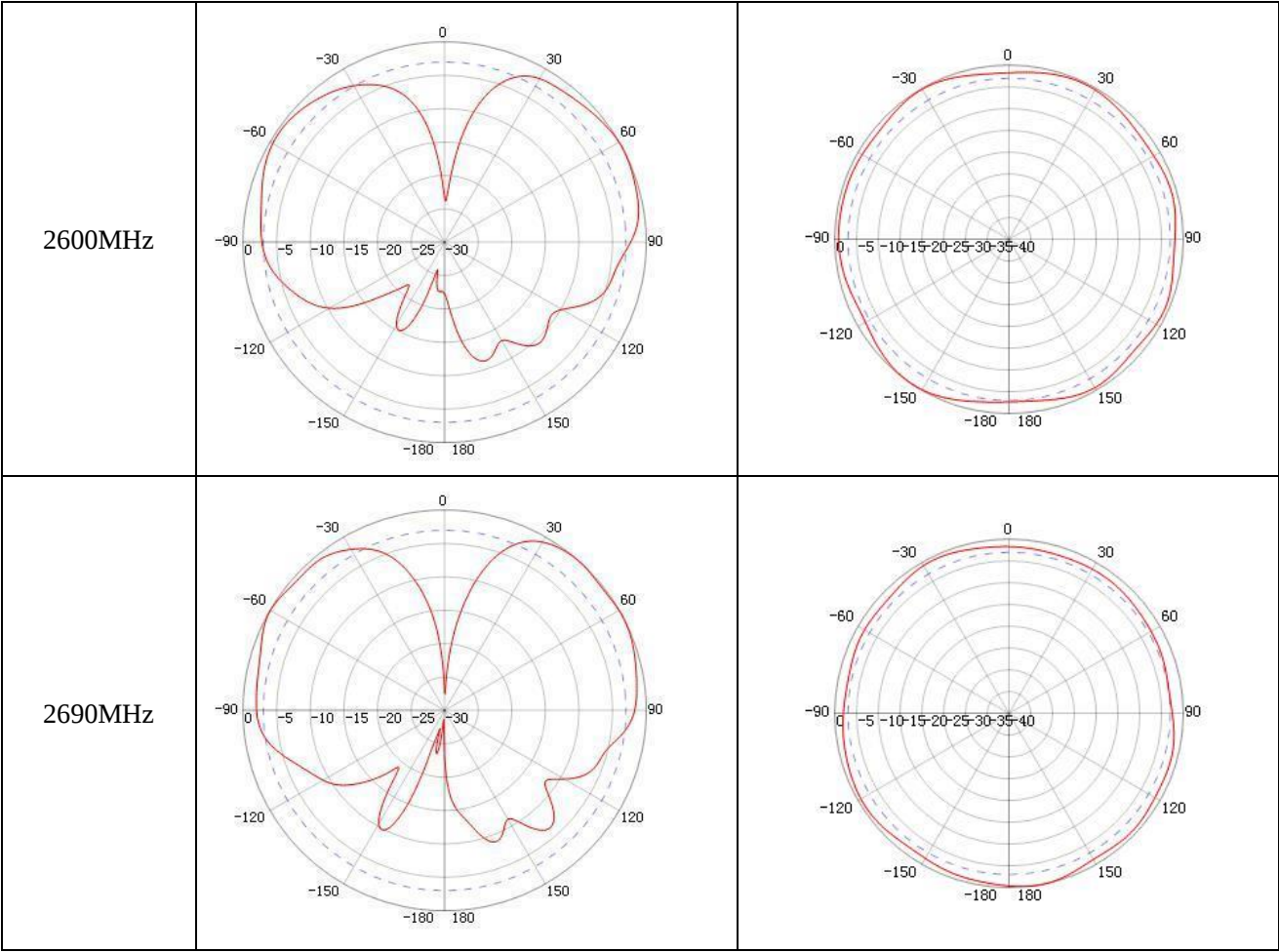


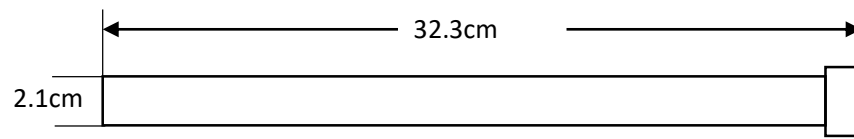
radiation pattern











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