

# Antenna Test Report

manufacture : Shenzhen Qinxin Technology Co., Ltd.  
Material number: 146153  
Material requirements: FPC  
Antenna Type : 2.4-5G dual band antenna  
Antenna Color: Black

# test environment

- The antenna characteristics use the ETS test system microwave anechoic chamber, the size of the microwave anechoic chamber is 7m x 4m x 3m, and the test frequency is 700MHz--6GHz.
- S11 testing using Agilent E5071B network analyzer

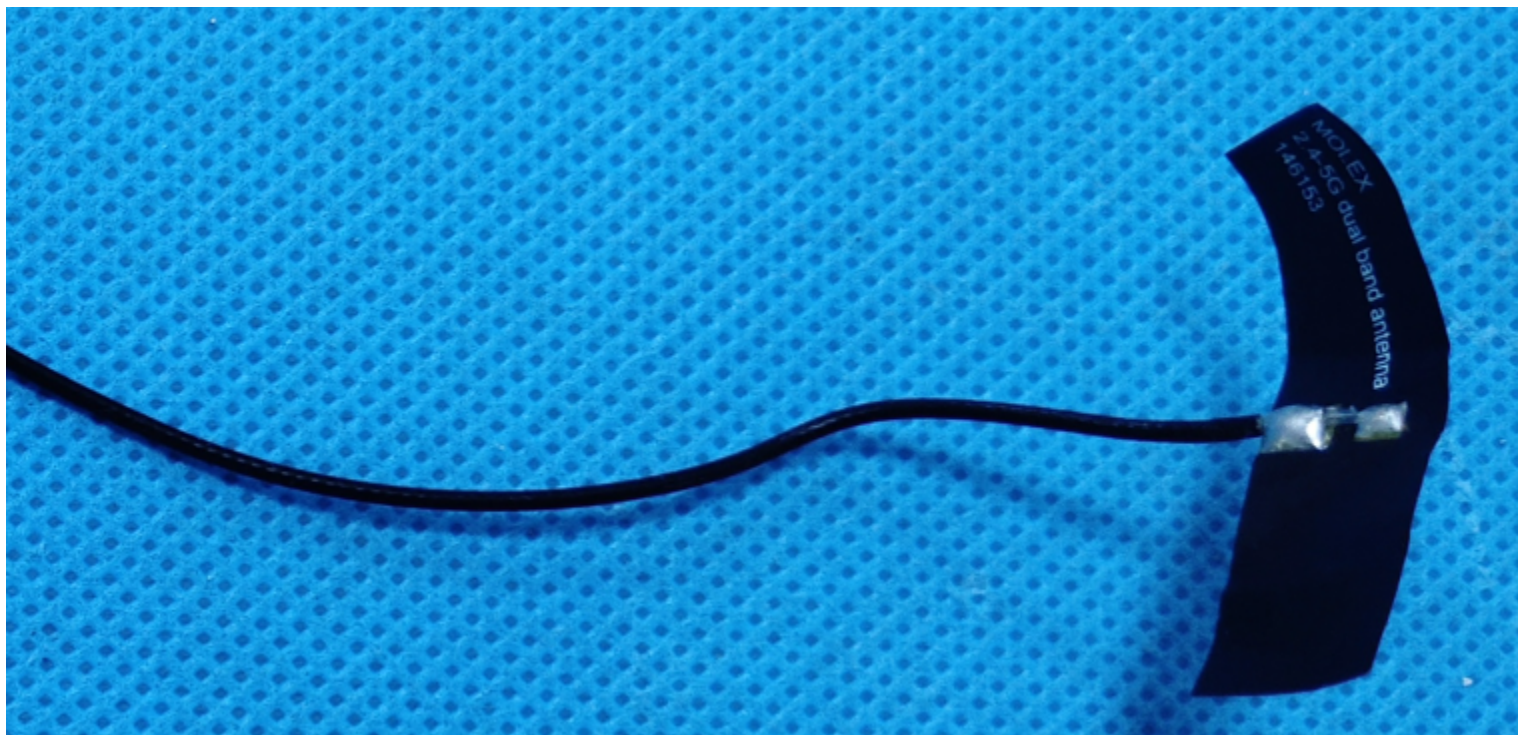


anechoic chamber

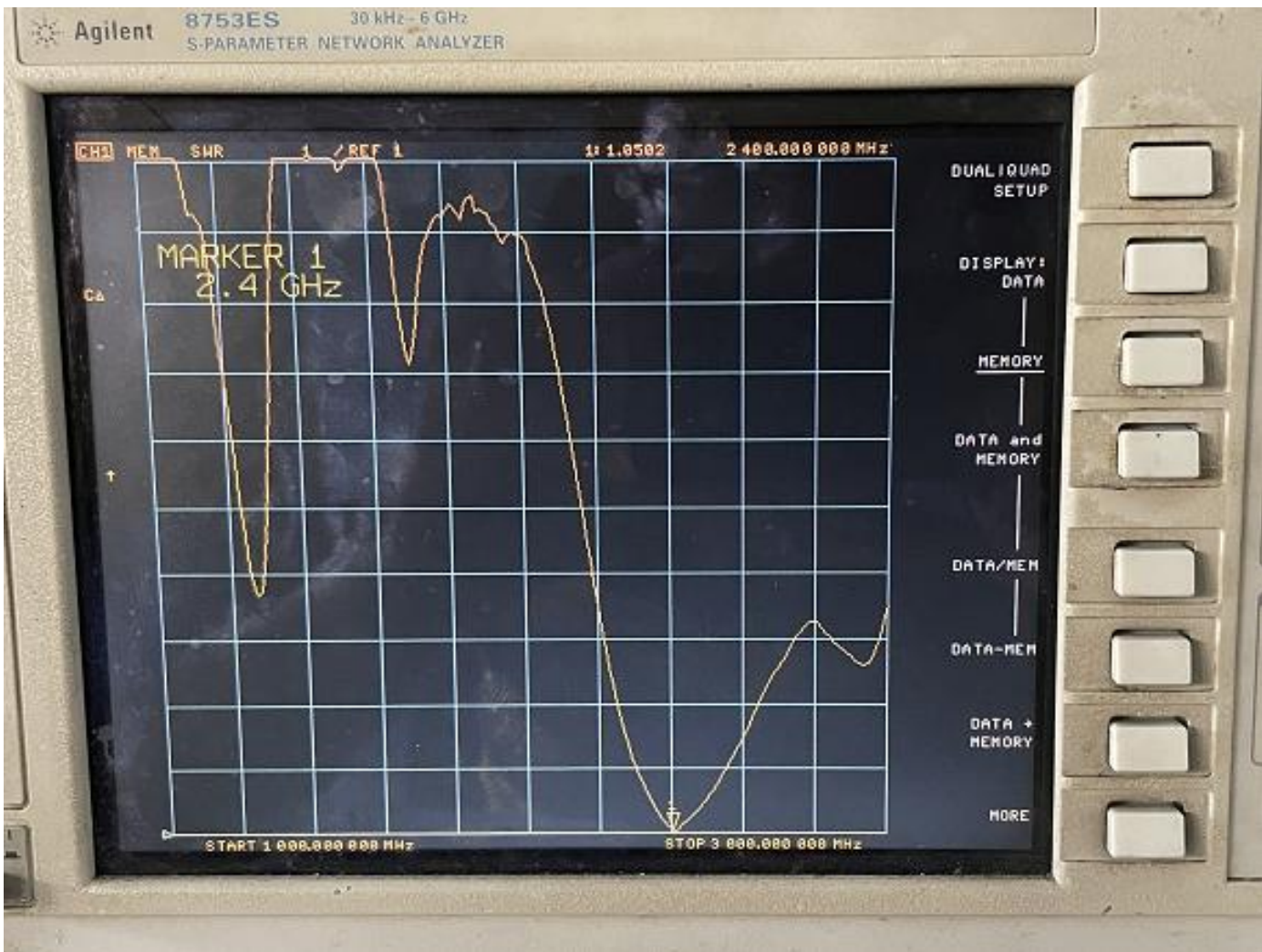


Agilent E5071B Network Analyzer

# Antenna location



# Antenna passive



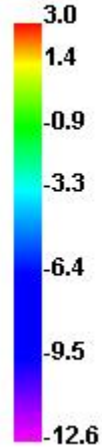
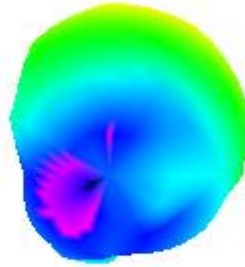
Test Condition:		free space			
WIFI-2.4G	2.4G 802.11B	Channel	1	6	13
		TRP	13.4	14.75	15
		TIS	-72	-75.86	-75.43



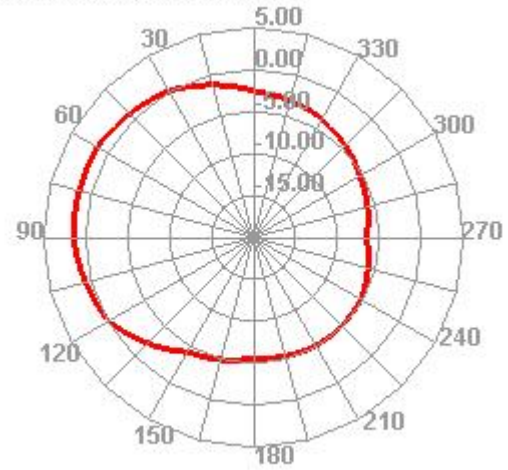
Passive Test For WII2.4			
Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)
2400	60.14	-2.21	1.33
2410	57.44	-2.41	1.13
2420	52.63	-2.79	0.76
2430	51.78	-2.86	0.58
2440	56.23	-2.5	0.38
2450	58.47	-2.33	0.27
2460	54.06	-2.67	0.28
2470	45.1	-3.46	-0.09
2480	44.71	-3.5	-0.46
2490	50.32	-2.98	-0.68
2500	50.03	-3.01	-0.66



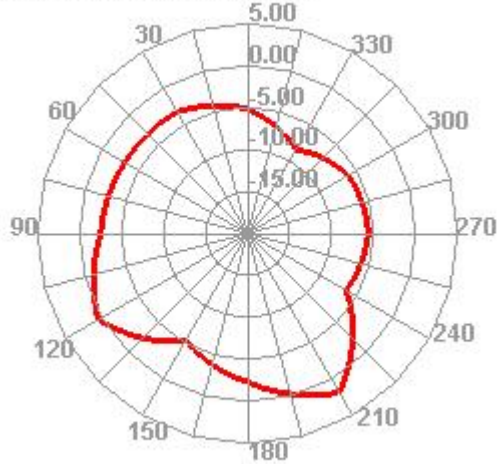
2400.000MHz



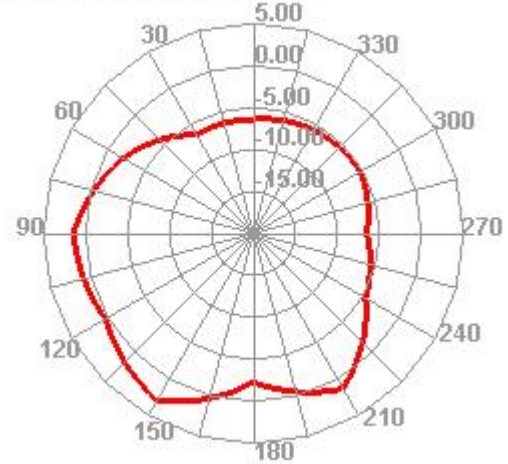
2400.000MHz H



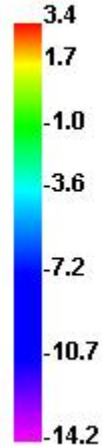
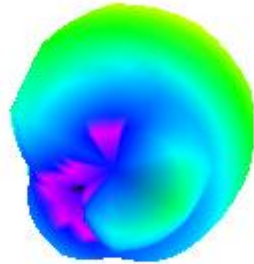
2400.000MHz E1



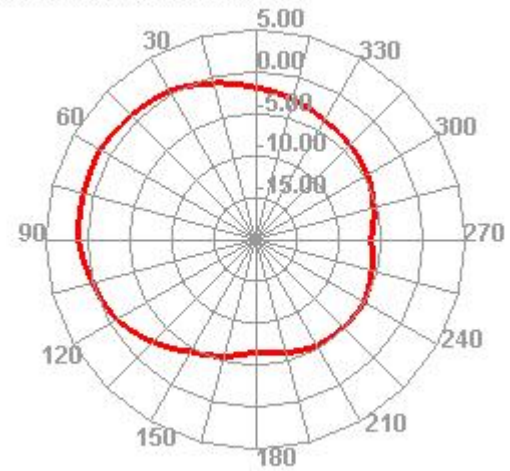
2400.000MHz E2



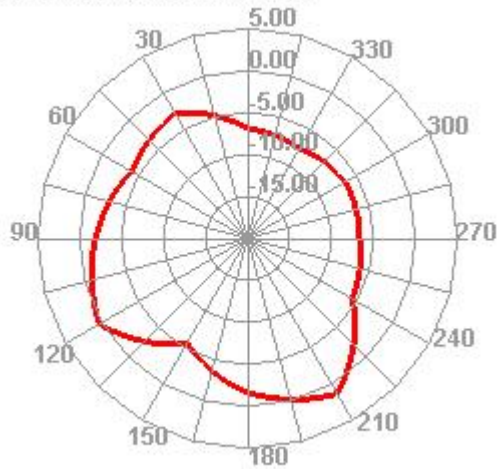
2450.000MHz



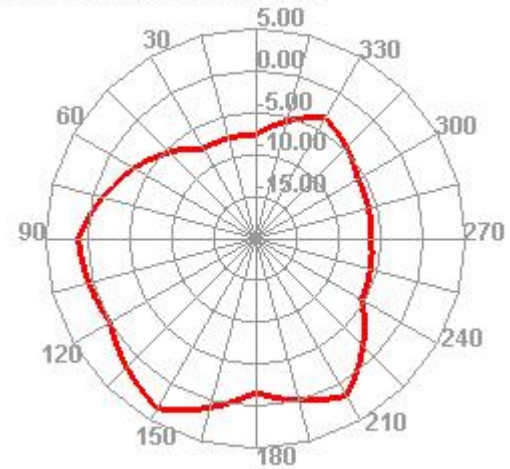
2450.000MHz H



2450.000MHz E1

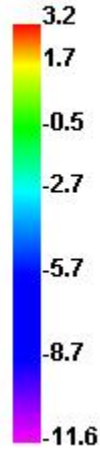
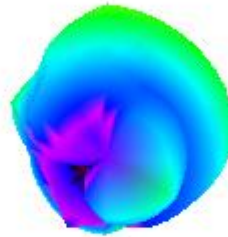


2450.000MHz E2

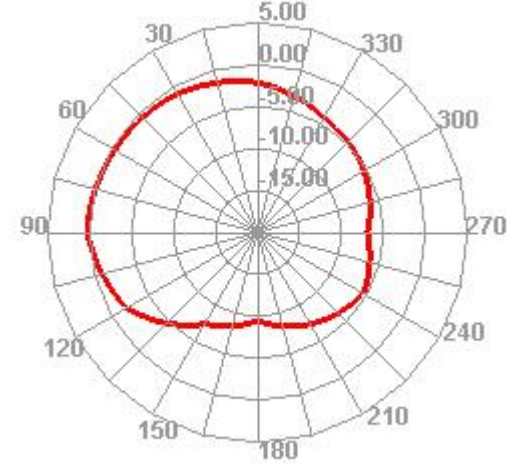




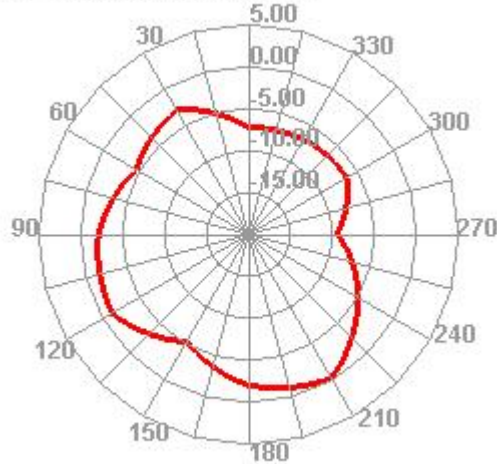
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

