

Antenna Test Report

Customer	巨大	Project	哈曼---Bixby
Report Version	V6.0	Report Date	2023-03-08
Prepared by	沈川	Checked by	张磊



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无源波形图



天线无源效率：

WIFI 0 无源效率

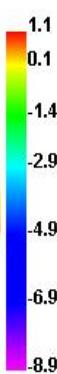
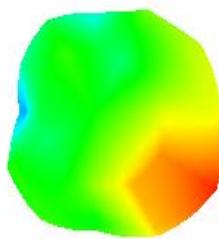
	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	47. 47	-3. 24	1. 29
2450	48. 74	-3. 12	1. 22
2500	47. 95	-3. 19	1. 37
5150	48. 14	-3. 17	2. 16
5300	48. 29	-3. 16	2. 46
5500	49. 37	-3. 07	2. 53
5700	48. 34	-3. 16	2. 85
5850	47. 88	-3. 20	2. 78



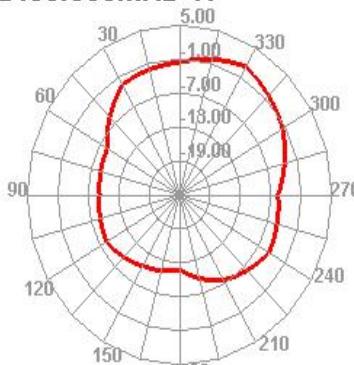
天线无源效率场形图：

WIFI 0 无源效率场形图

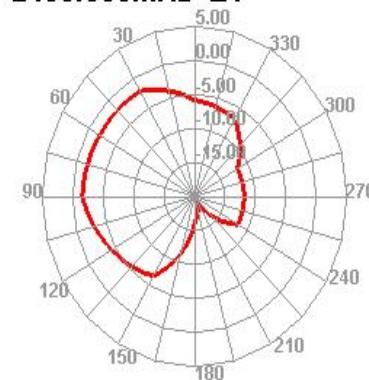
2450.000MHz



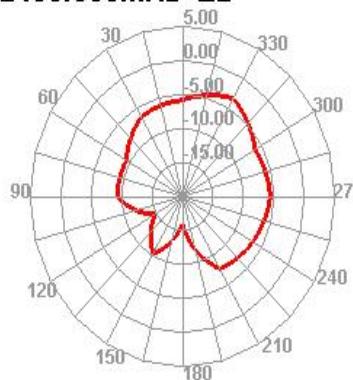
2450.000MHz H



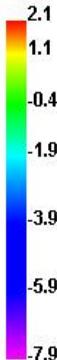
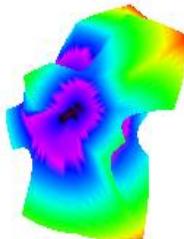
2450.000MHz E1



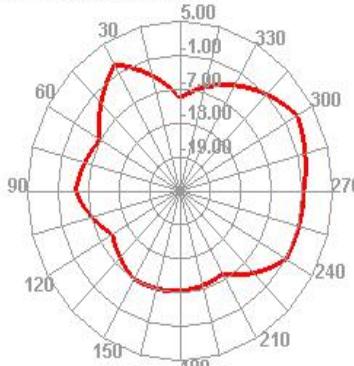
2450.000MHz E2



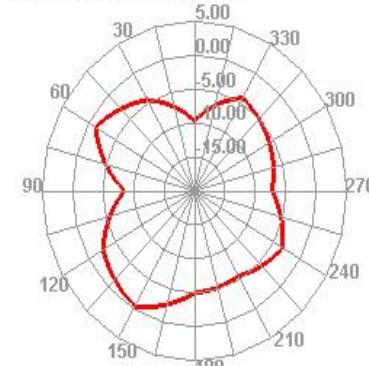
5500.000MHz



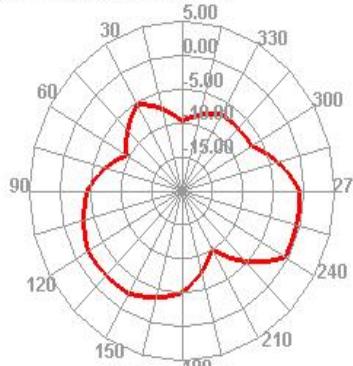
5500.000MHz H



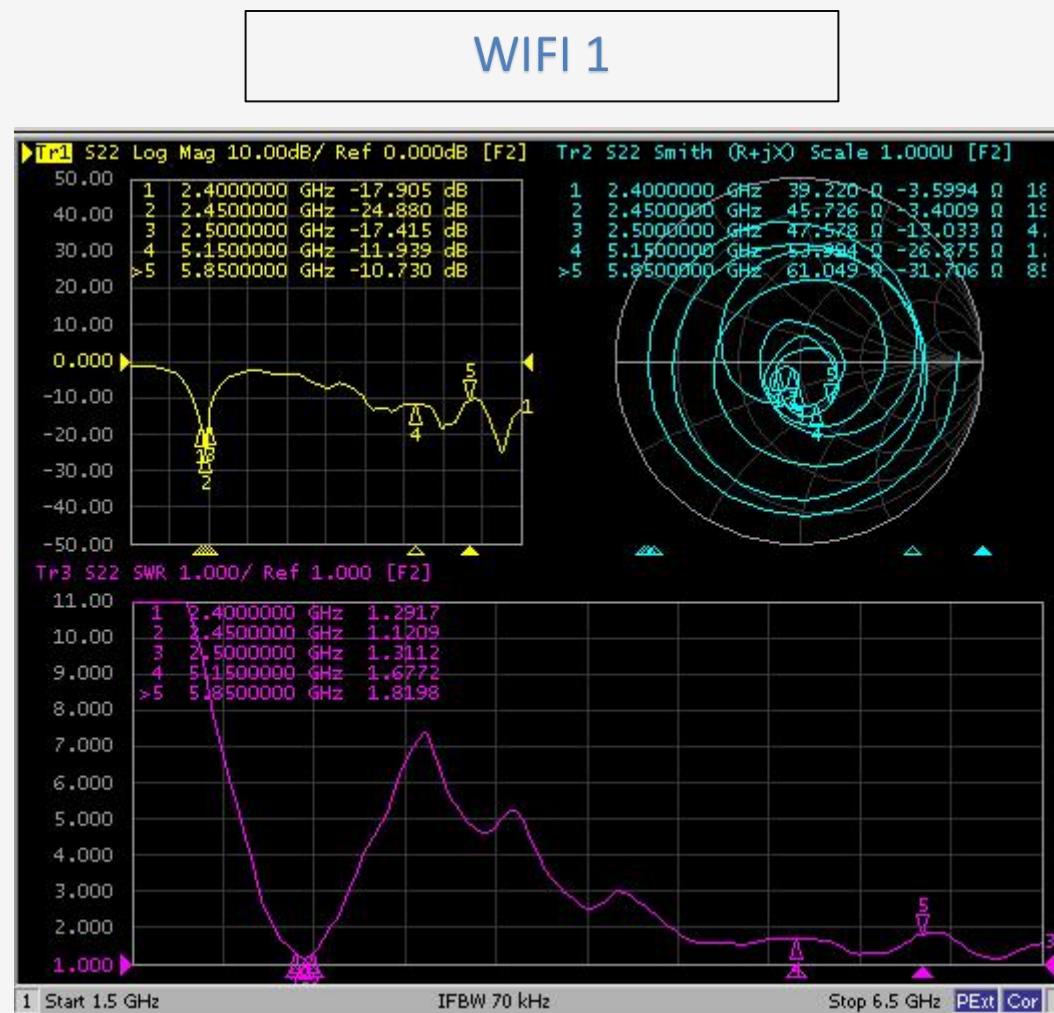
5500.000MHz E1



5500.000MHz E2



无源波形图



天线无源效率：

WIFI 1 无源效率

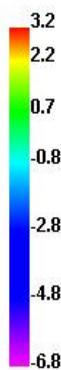
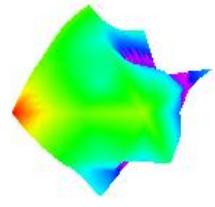
	Efficiency (%)	Efficiency (dB)	Gain (dBi)
2400	48.49	-3.14	1.21
2450	48.99	-3.10	1.46
2500	48.29	-3.16	1.63
5150	48.85	-3.11	2.82
5300	49.95	-3.01	2.92
5500	50.99	-2.93	2.18
5700	48.78	-3.12	2.33
5850	49.88	-3.02	2.37



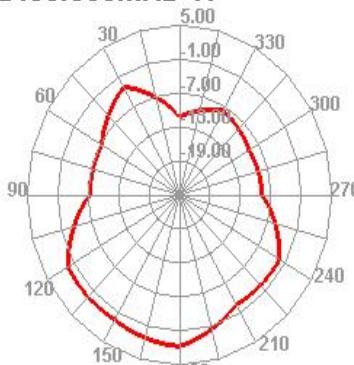
天线无源效率场形图：

WIFI 1 无源效率场形图

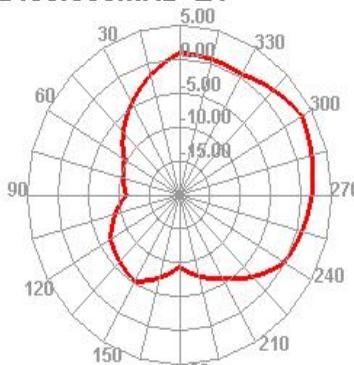
2450.000MHz



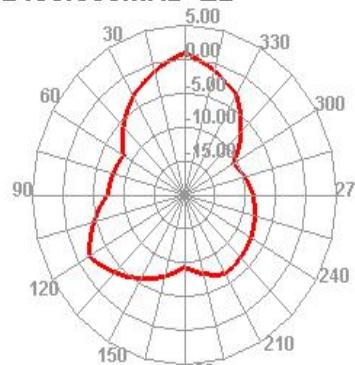
2450.000MHz H



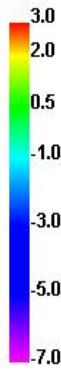
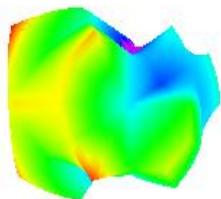
2450.000MHz E1



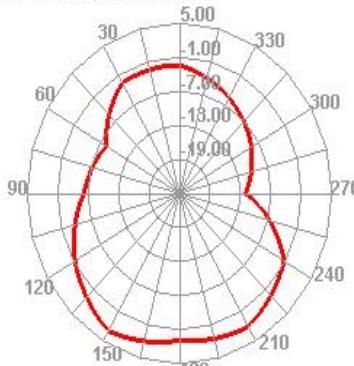
2450.000MHz E2



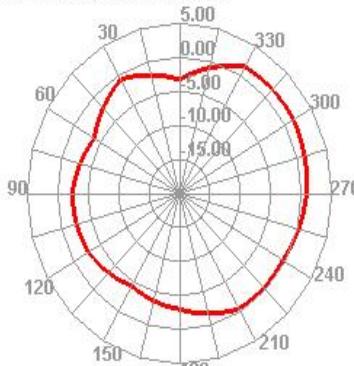
5500.000MHz



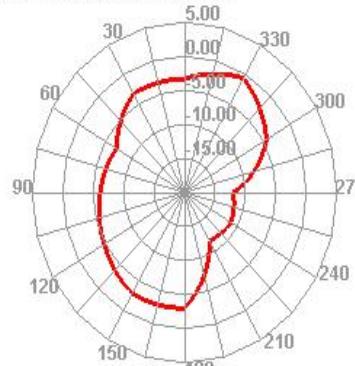
5500.000MHz H



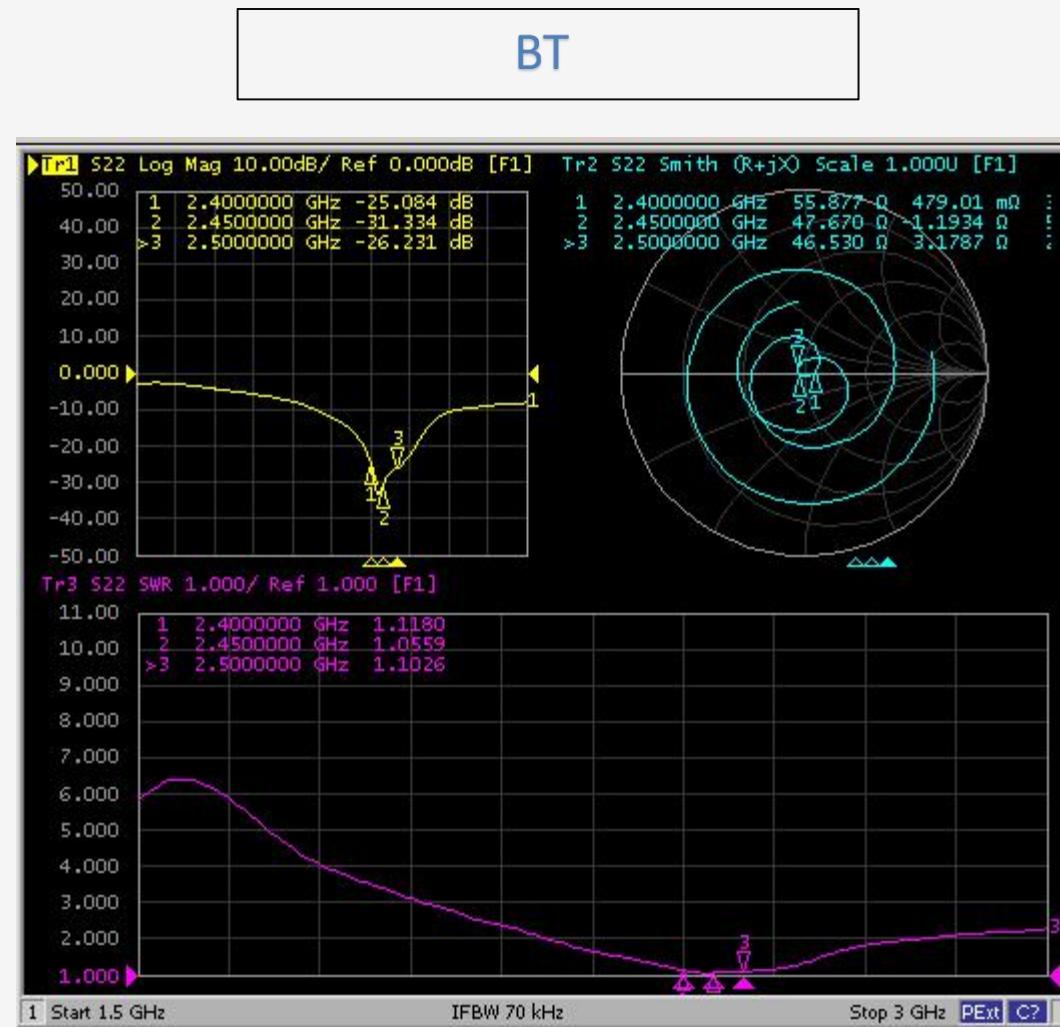
5500.000MHz E1



5500.000MHz E2



无源波形图



天线无源效率：

BT 无源效率

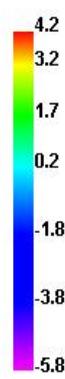
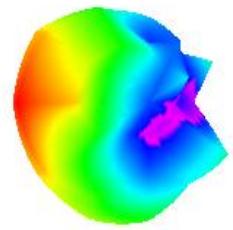
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	49.27	-3.07	1.76
2410	49.14	-3.09	1.04
2420	48.91	-3.11	1.34
2430	48.89	-3.11	1.68
2440	48.94	-3.10	1.86
2450	49.75	-3.03	1.16
2460	49.99	-3.01	1.16
2470	50.11	-3.00	1.42
2480	50.03	-3.01	1.23
2490	49.52	-3.05	1.32
2500	49.64	-3.04	1.43



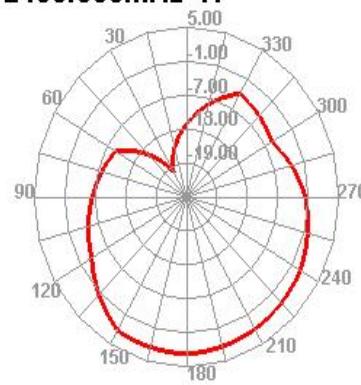
天线无源效率场形图：

BT 无源效率场形图

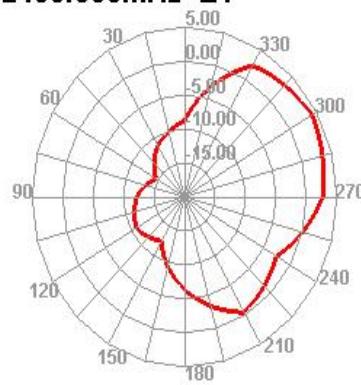
2450.000MHz



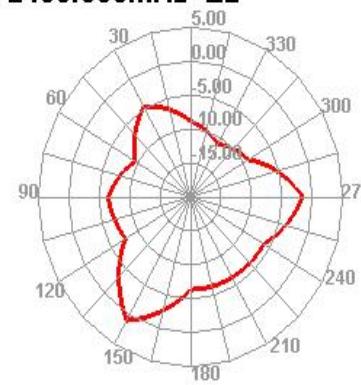
2450.000MHz H



2450.000MHz E1



2450.000MHz E2



无源波形图



天线无源效率：

Zigbee 无源效率

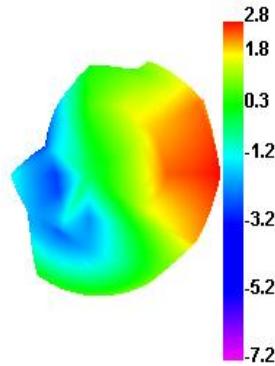
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	47. 57	-3. 23	1. 75
2410	46. 04	-3. 37	1. 63
2420	46. 59	-3. 32	1. 51
2430	47. 42	-3. 24	1. 65
2440	46. 78	-3. 30	1. 87
2450	47. 35	-3. 25	1. 82
2460	47. 54	-3. 23	1. 96
2470	47. 48	-3. 23	1. 95
2480	46. 75	-3. 30	1. 04
2490	47. 55	-3. 23	1. 99
2500	46. 78	-3. 30	1. 16



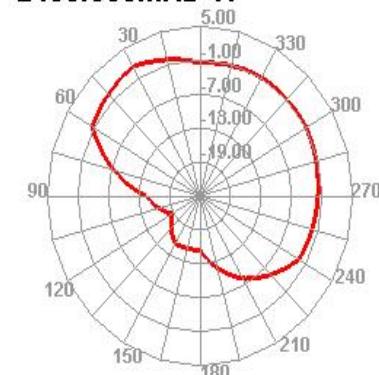
天线无源效率场形图：

Zigbee 无源效率场形图

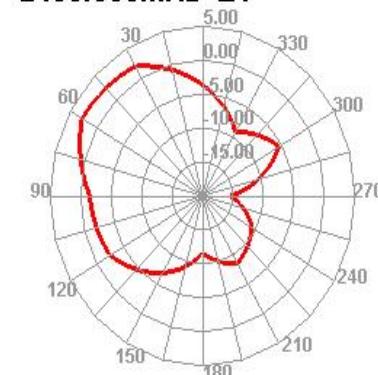
2450.000MHz



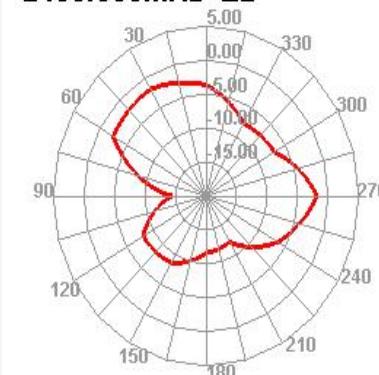
2450.000MHz H



2450.000MHz E1

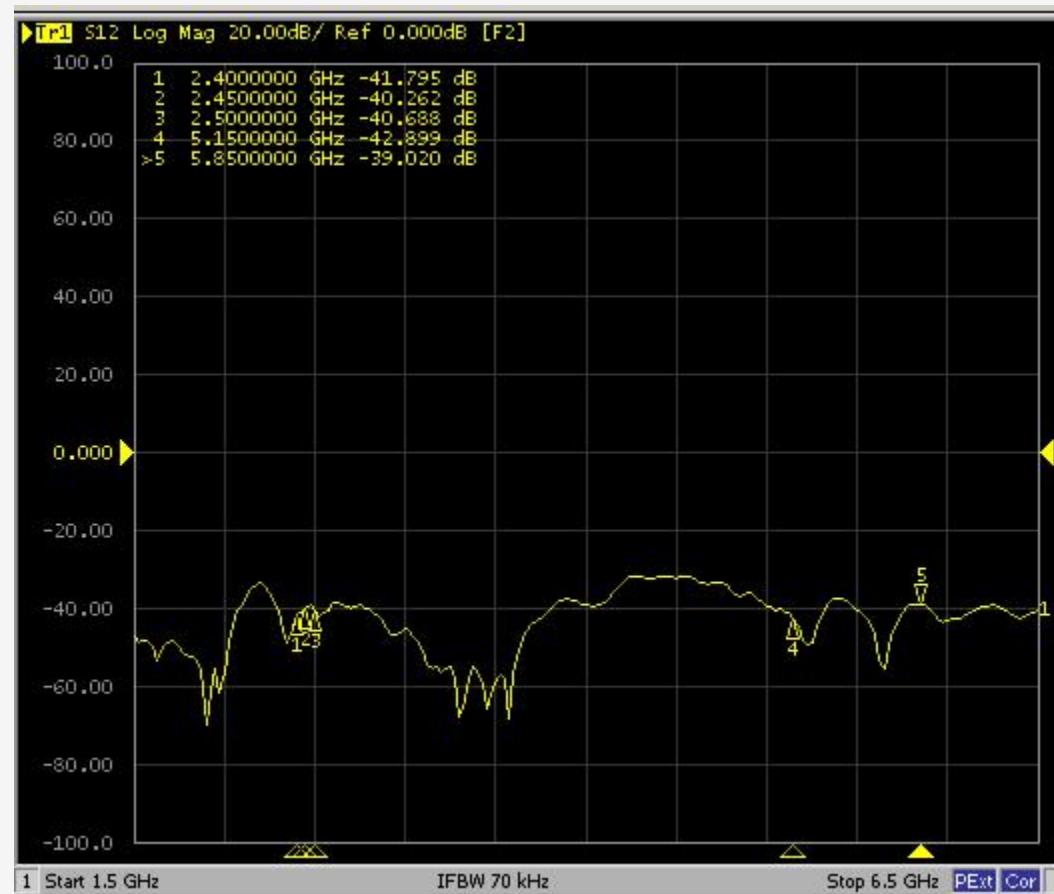


2450.000MHz E2



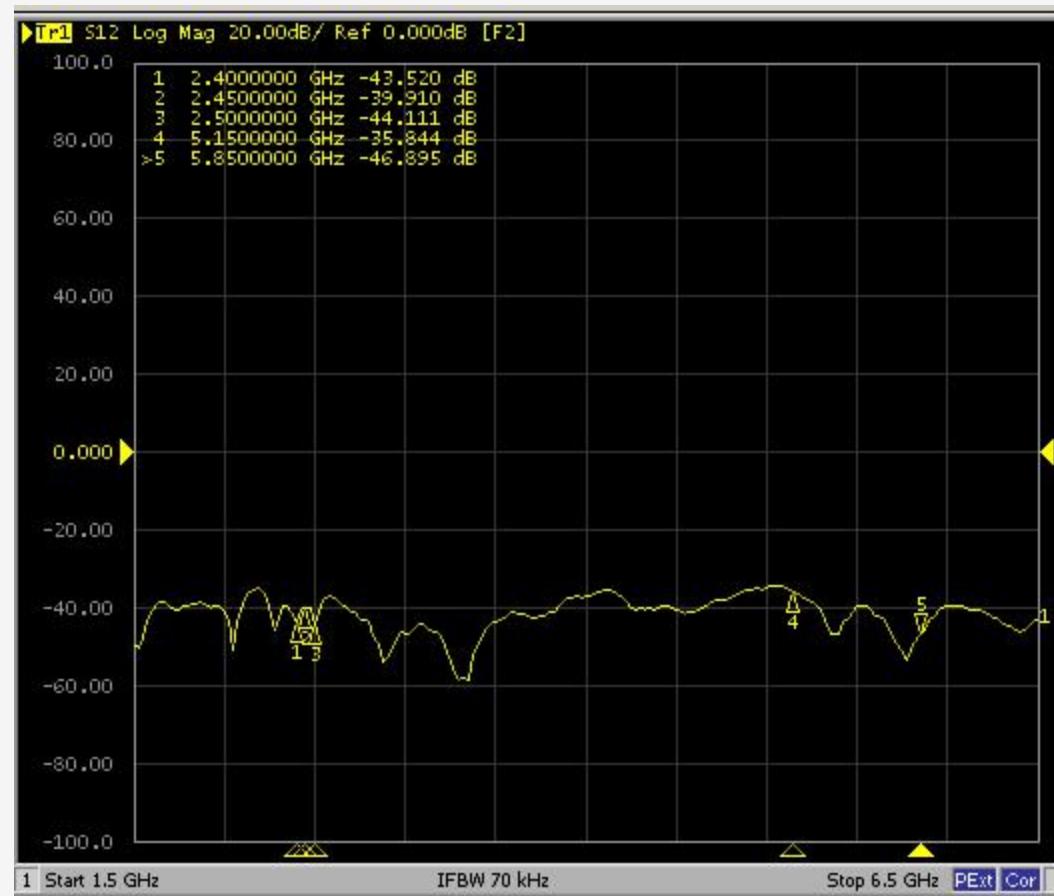
天线隔离度：

WIFI 0 和 WIFI 1



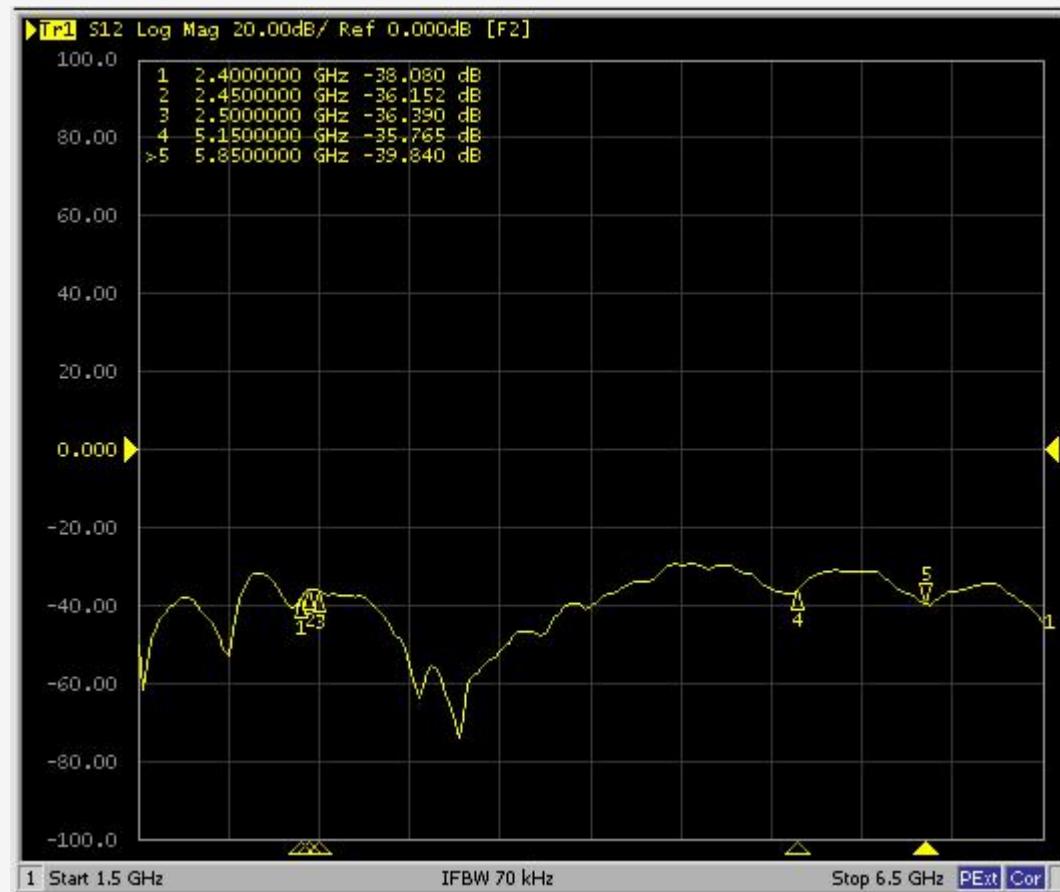
天线隔离度：

WIFI 和 BT



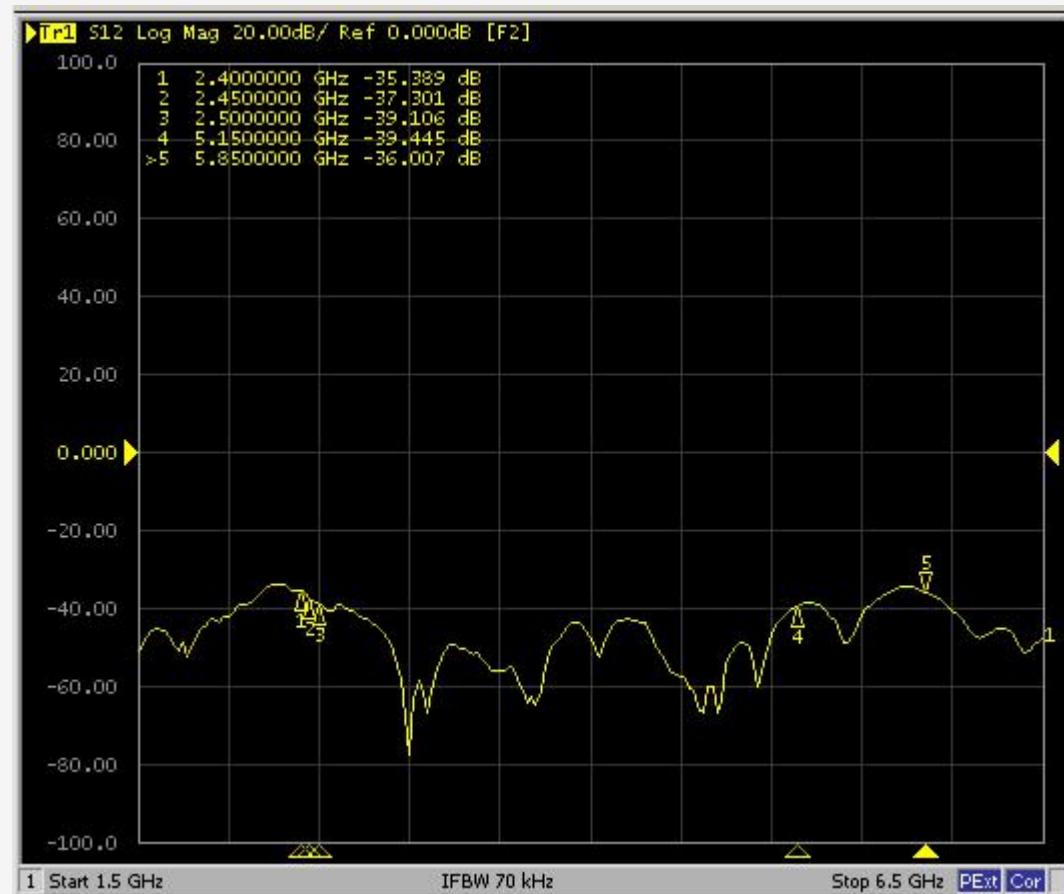
天线隔离度：

WIFI 0 和 Zigbee



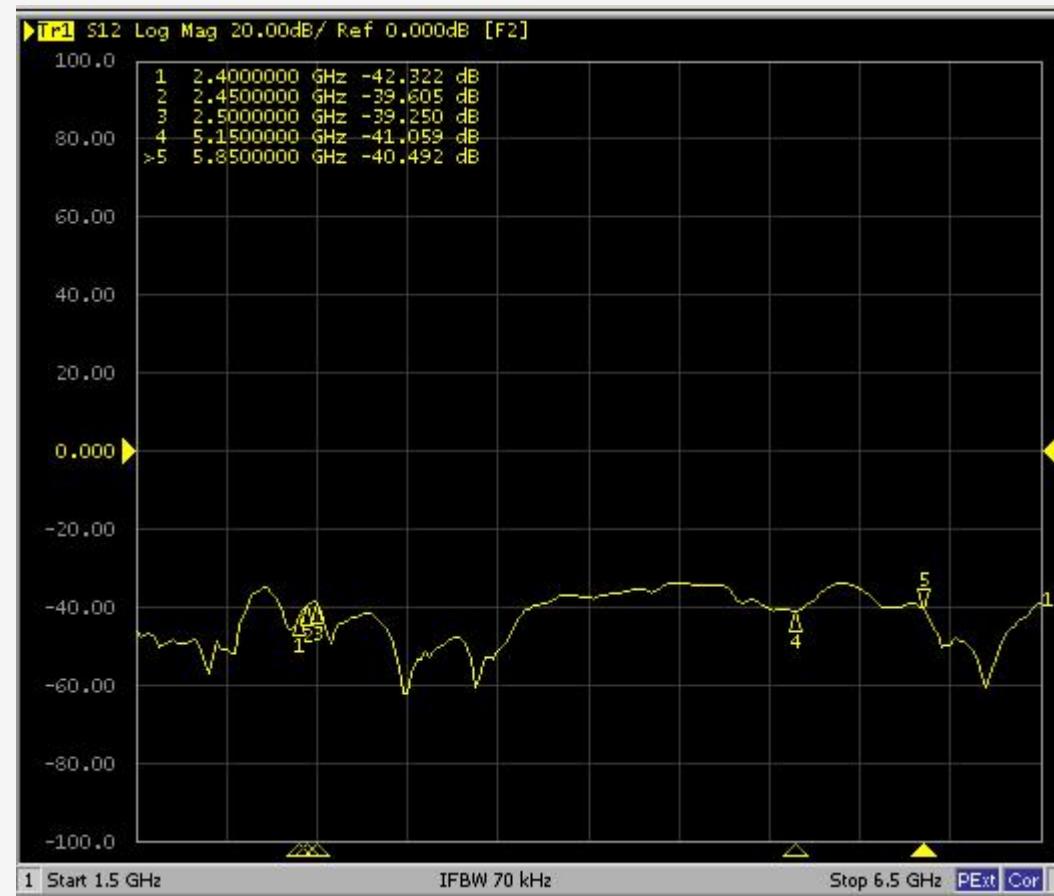
天线隔离度：

WIFI 1 和 BT



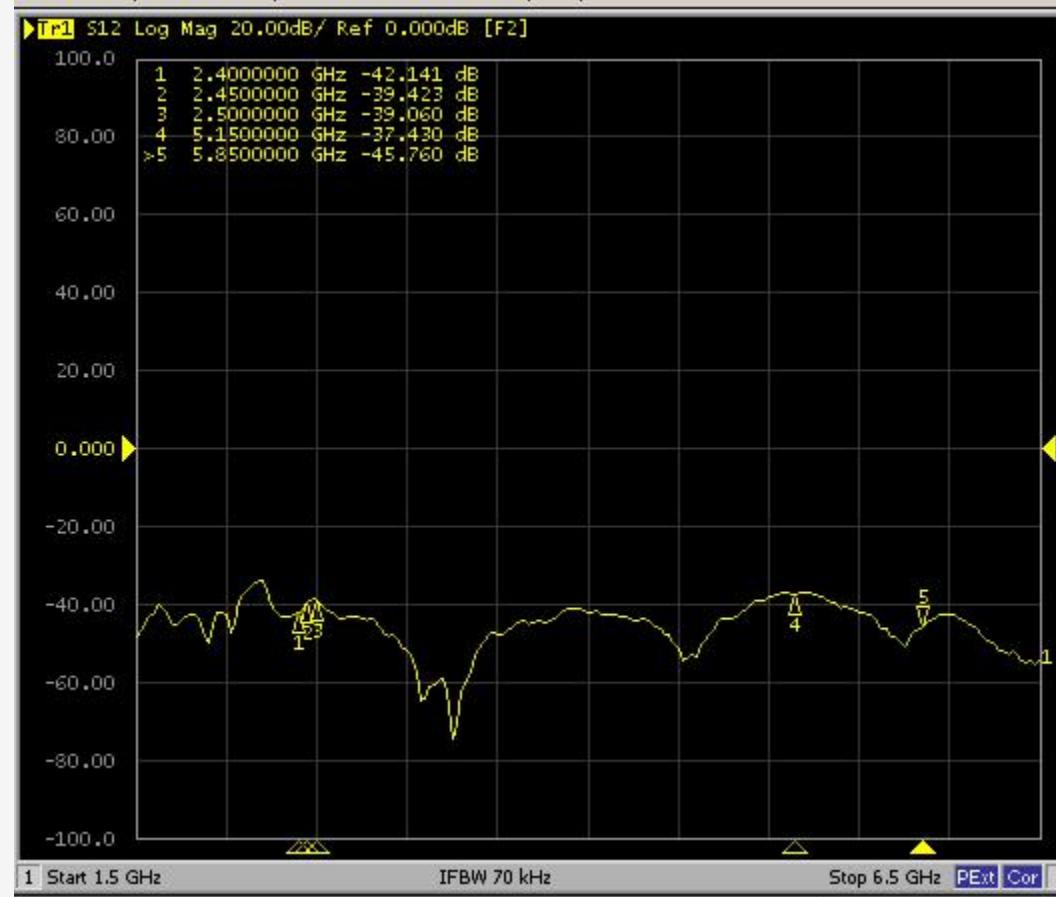
天线隔离度：

WIFI 1 和 Zigbee



天线隔离度：

BT 和 Zigbee



OTA有源数据

		TPR	TIS
802. 11b 11M	1	16. 37	-83. 15
	6	16. 52	-83. 47
	11	16. 23	-83. 71
802. 11g 54M	1	15. 18	-72. 67
	6	15. 32	-73. 09
	11	14. 89	-72. 74
802. 11n MCS7	1	14. 78	-69. 65
	6	15. 08	-70. 02
	11	14. 81	-69. 47
802. 11a 54M	36	7. 87	-73. 25
	149	8. 23	-73. 16
	161	7. 98	-73. 04
BT	0	6. 11	-86. 40
	36	6. 49	-86. 88
	78	6. 54	-86. 64



谢谢观看

