

Antenna test report

Customer Name:1136

Project model:DTV1672

Date:2026-1-22

edition	content	Update reason	Date
1.0	Antenna test	Initial issue	2026-1-22

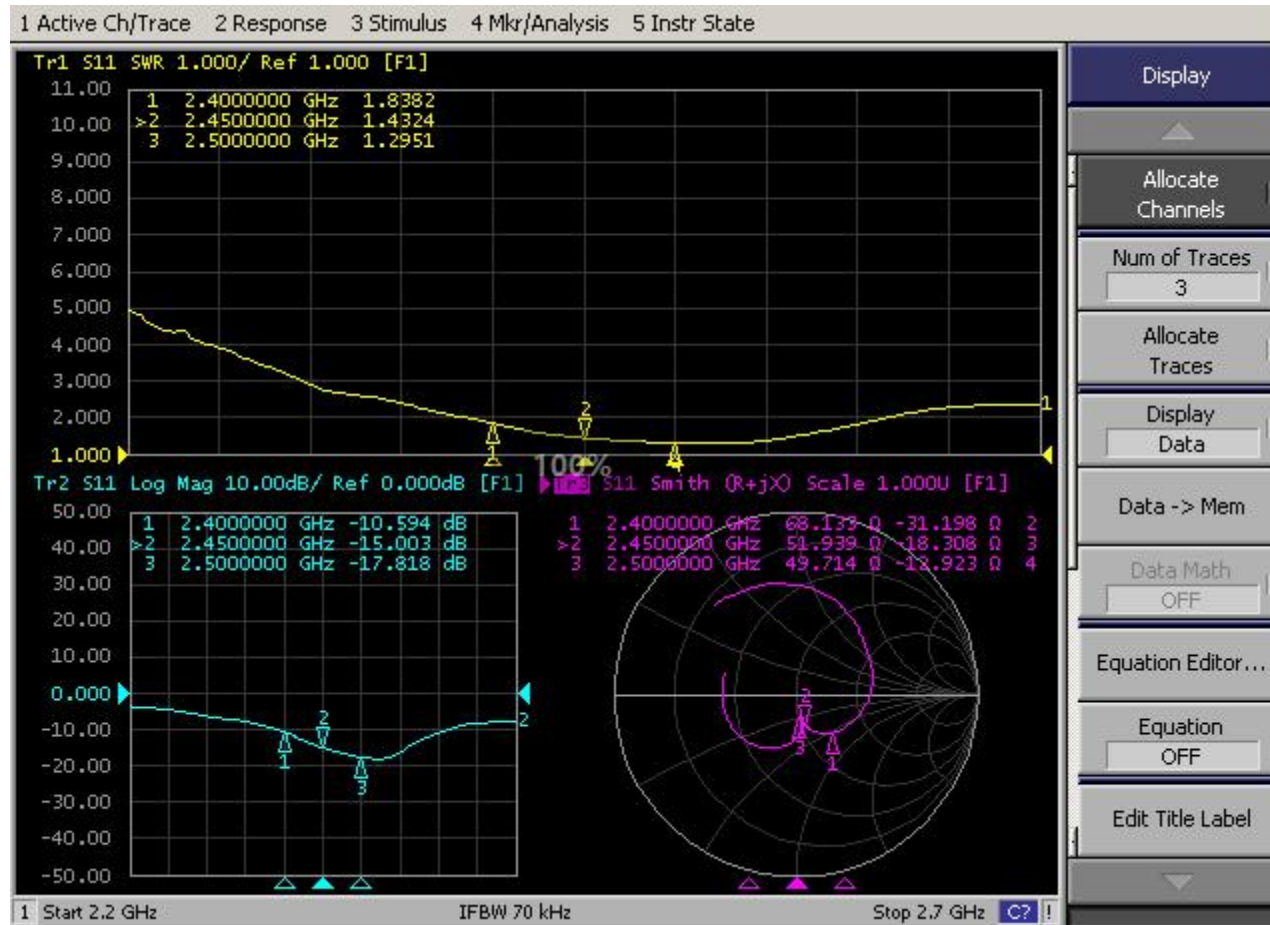
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Project situation

Customer Name	1136
Project name	DTV1672
Number of antennas	3
Antenna band	2400-2500/5150-5850 MHz
Structural form	Onboard antenna

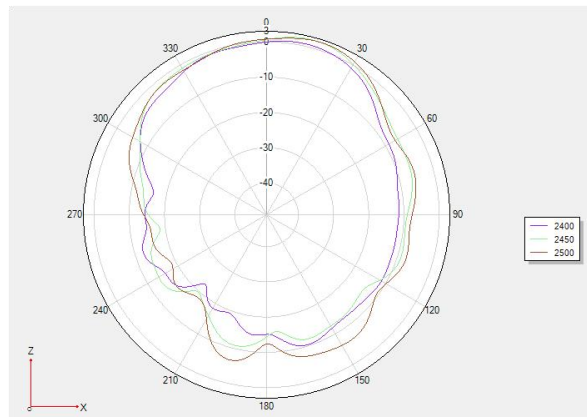
BT Antenna mesh test diagram



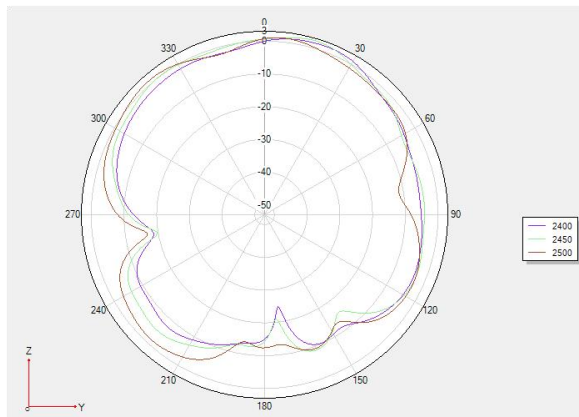
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	53.42	2.28
2410	54.24	2.77
2420	56.67	3.01
2430	56.2	3.04
2440	53.99	3.07
2450	54.67	2.73
2460	54.08	2.53
2470	55.75	2.88
2480	55.81	3.04
2490	54.04	2.59
2500	54.48	2.63

2D3D image of the antenna test

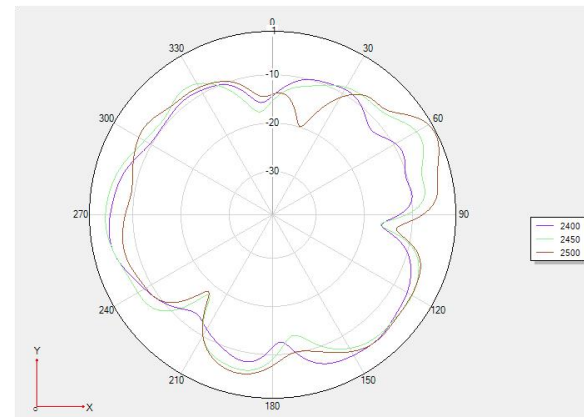
Phi 0 2D图



Phi 90 2D图



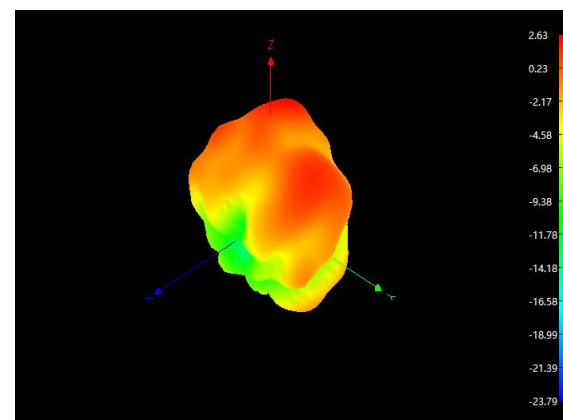
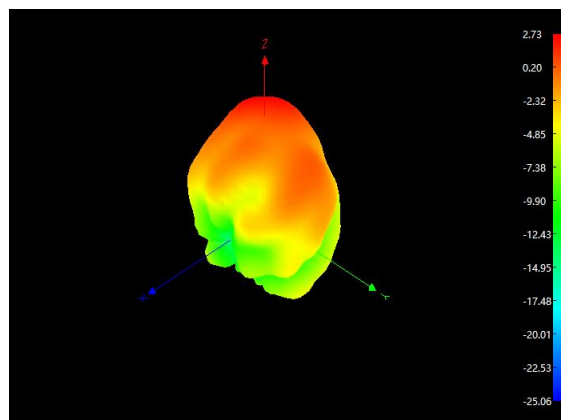
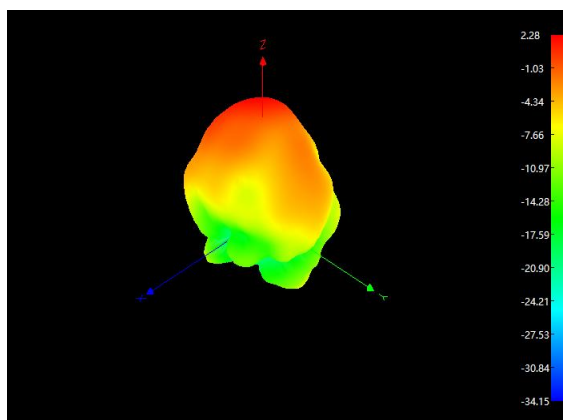
Theta 90 2D图

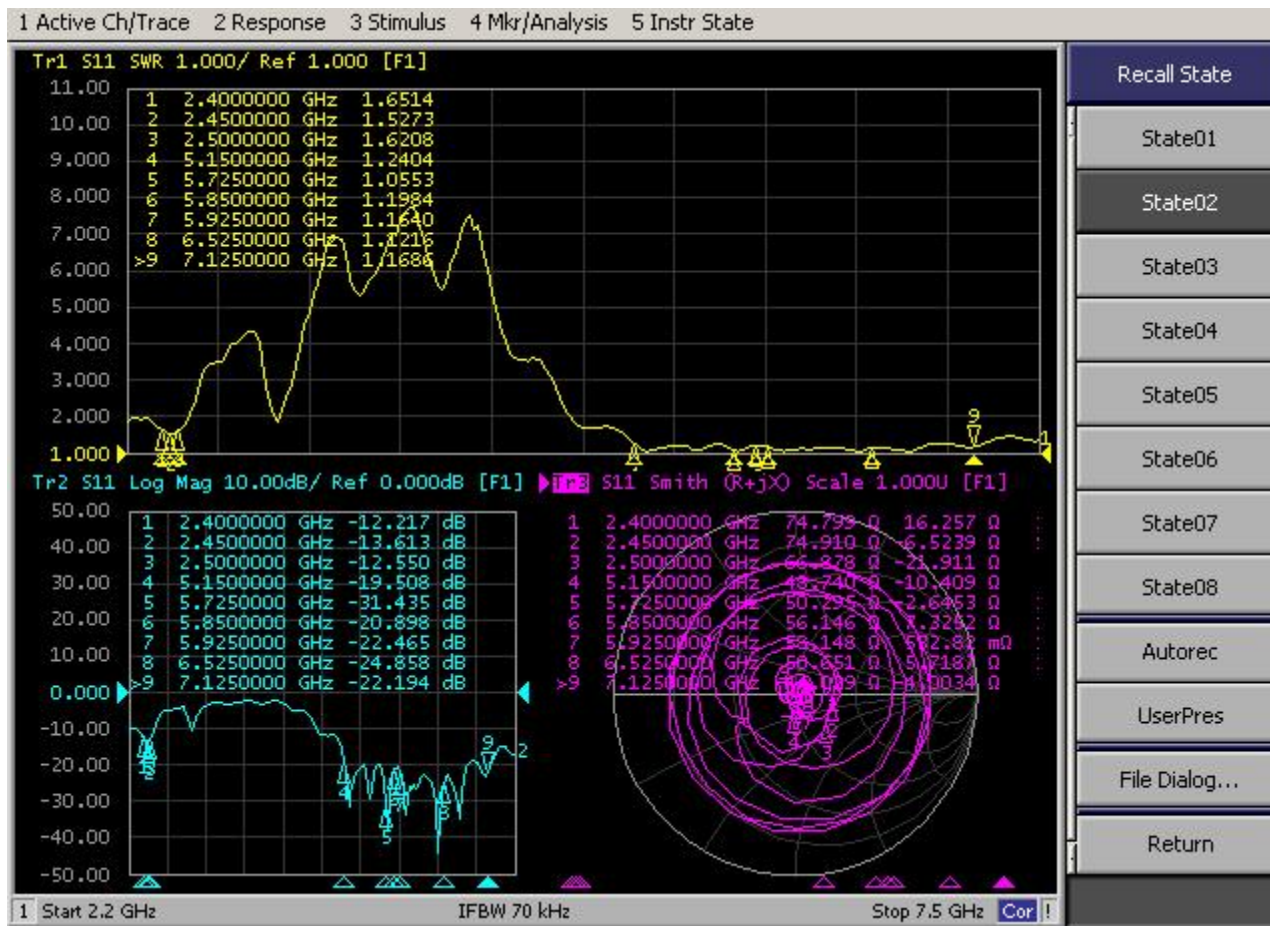


2400

2450

2500



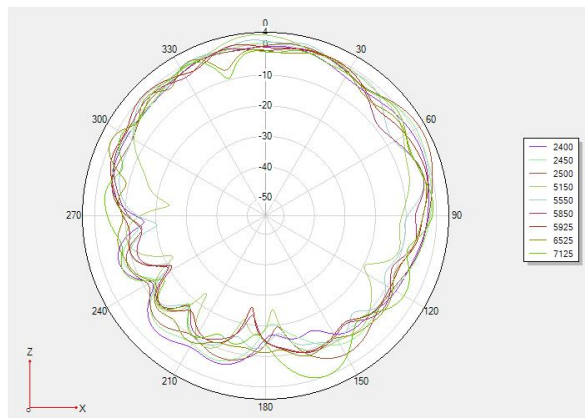


WiFi0 Antenna passive test data

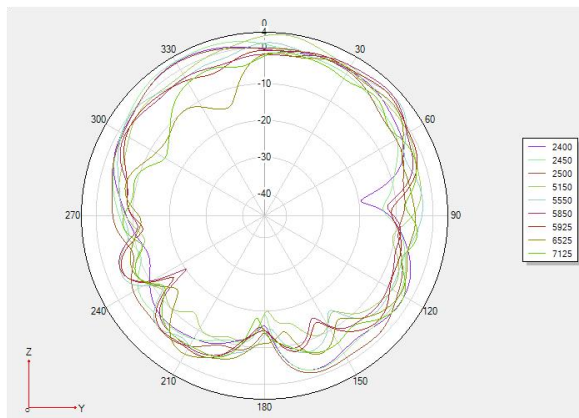
Frequency / MHz	Efficiency / %	Gain/ dBi
2400	50.06	2.42
2410	50.28	2.62
2420	52.04	2.65
2430	50.7	2.54
2440	51.58	2.78
2450	53.99	2.74
2460	55.21	3.05
2470	54.9	3.01
2480	52.58	2.88
2490	51.97	2.79
2500	51.36	2.61
5150	59.27	3.66
5250	59.83	3.86
5350	59.93	3.59
5450	56.07	3.41
5550	59.74	3.53
5650	57.11	3.69
5750	57.46	3.76
5850	56.76	3.63
5925	55.73	3.73
6025	55.81	3.65
6125	55.22	3.81
6225	58.33	3.97
6325	57.96	3.96
6425	60.01	3.71
6525	57.36	3.47
6625	60.36	4.08
6725	62.24	4.09
6825	61.05	4.06
6925	55.69	3.97
7025	54.72	3.83
7125	52.16	3.7

2D3D image of the antenna test

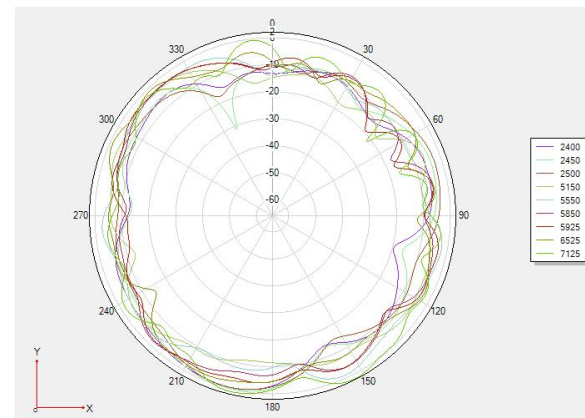
Phi 0 2D图



Phi 90 2D图



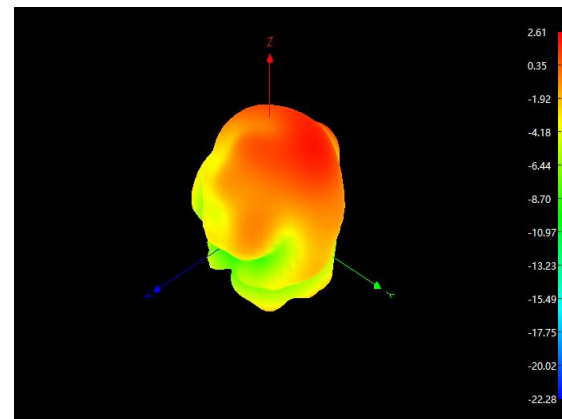
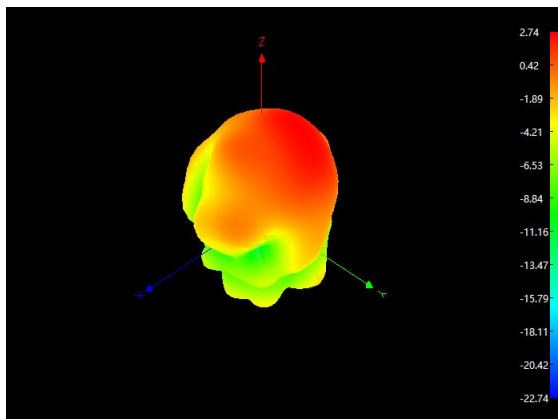
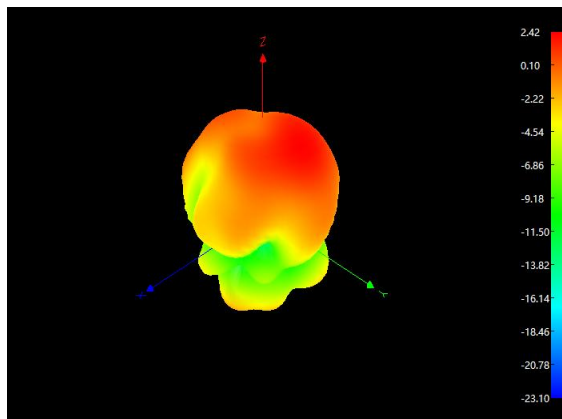
Theta 90 2D图



2400

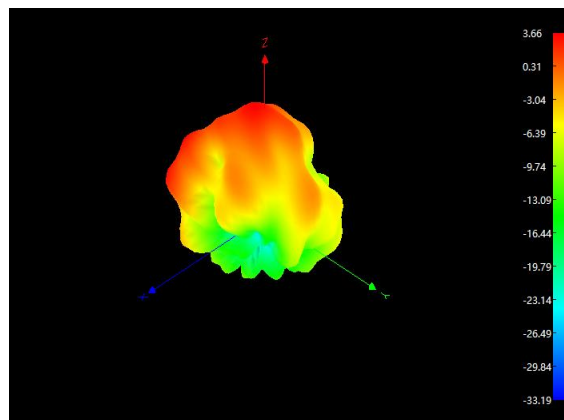
2450

2500

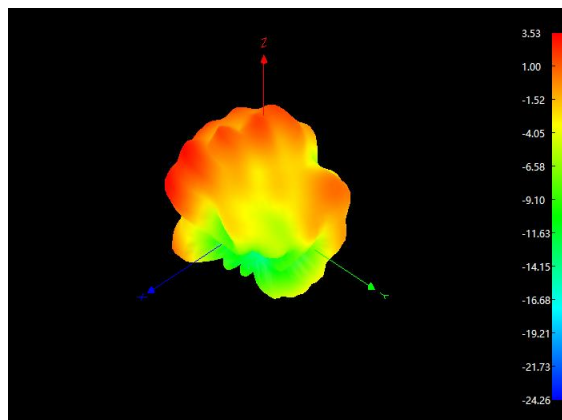


2D3D image of the antenna test

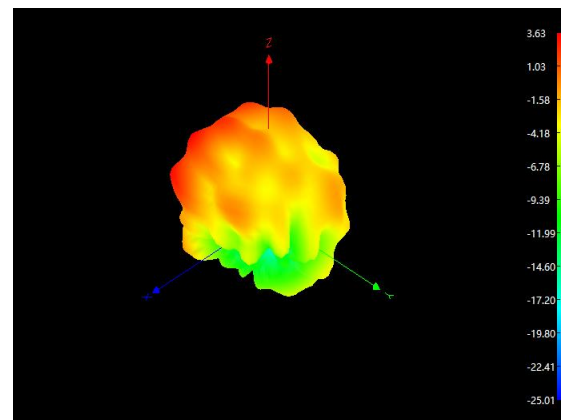
5150



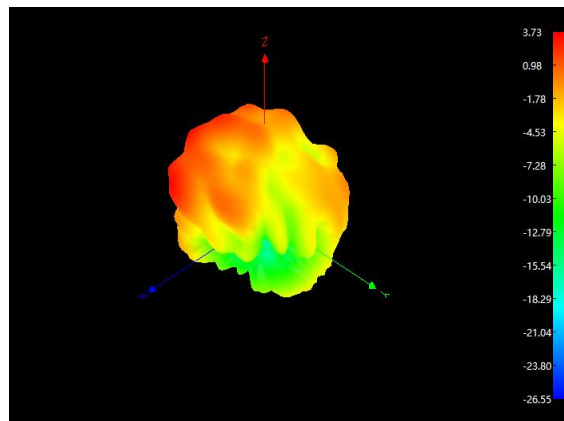
5550



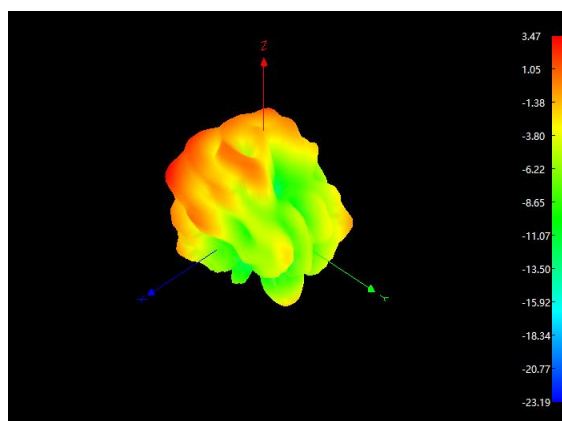
5850



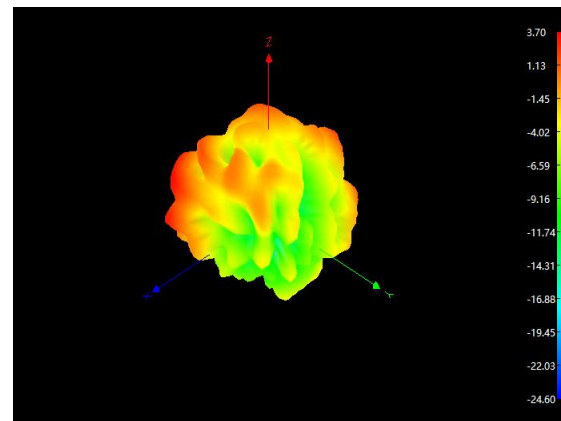
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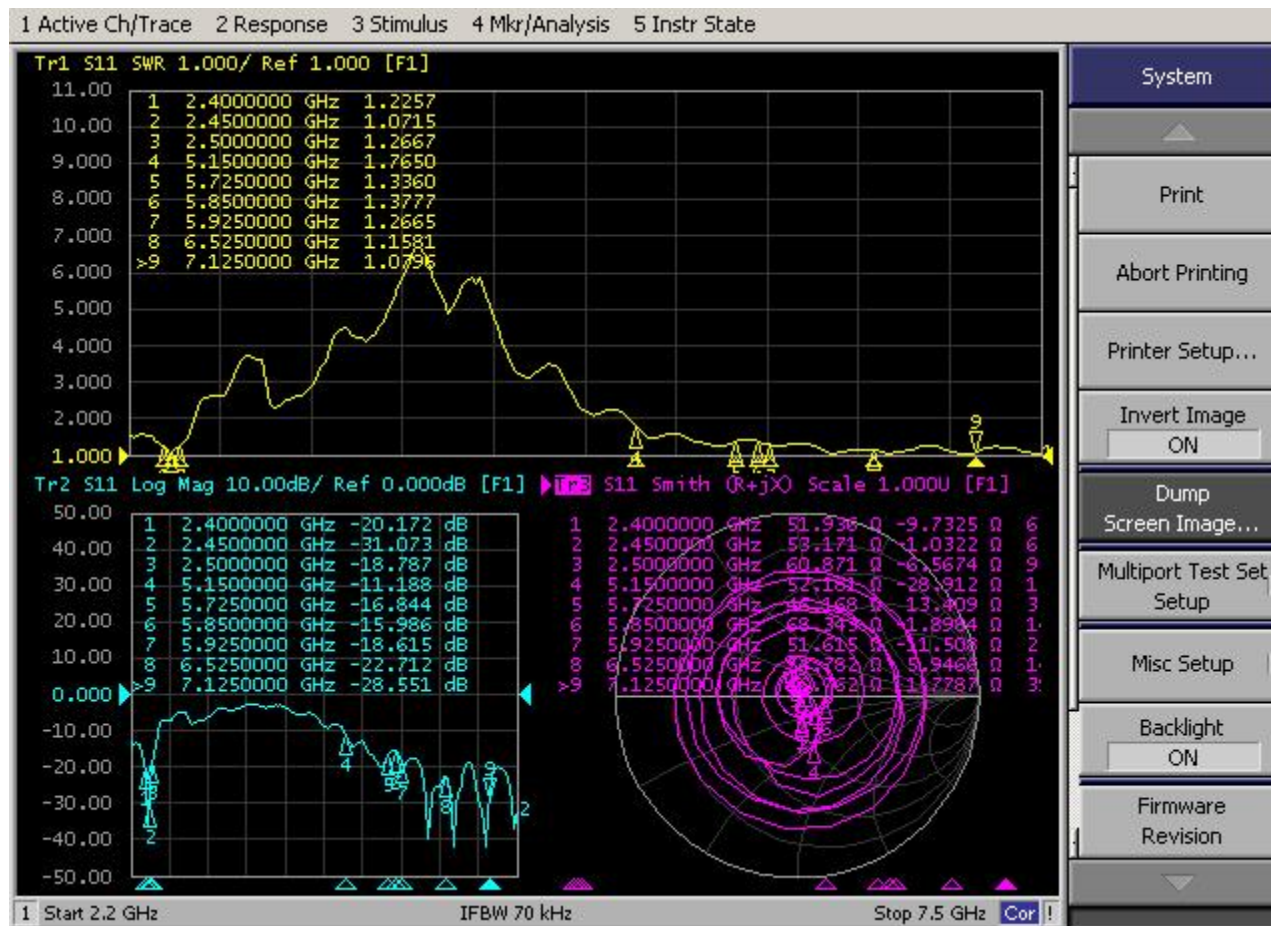
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7125



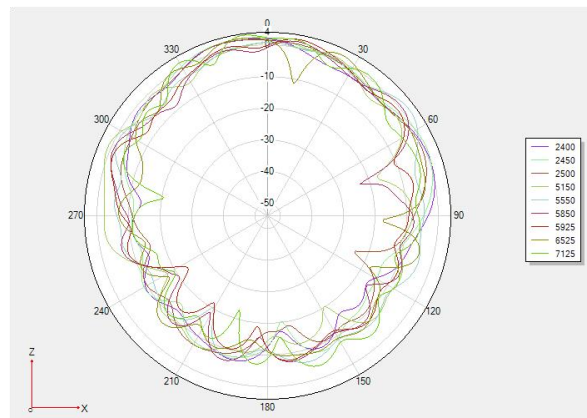
WiFi1 Antenna mesh test diagram



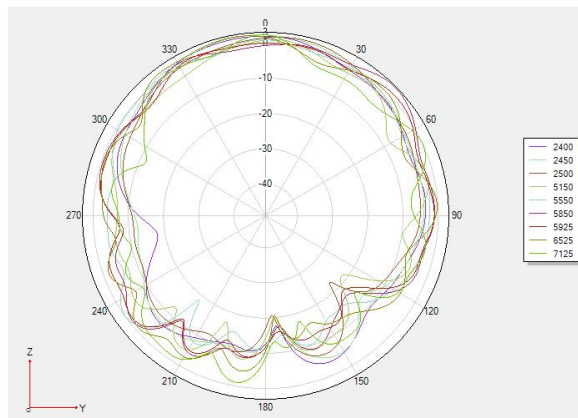
WiFi1 Antenna passive test data

Frequency / MHz	Efficiency / %	Gain/ dBi
2400	50.41	2.33
2410	50.36	2.48
2420	52.19	2.85
2430	53.84	2.71
2440	54.02	2.65
2450	54.28	2.57
2460	57.76	3.06
2470	54.07	3.05
2480	54.5	2.88
2490	52.56	2.74
2500	51.48	2.51
5150	55.92	3.59
5250	55.58	3.66
5350	54.86	3.63
5450	55.86	3.33
5550	54.99	3.36
5650	55.99	3.26
5750	56.17	3.43
5850	58.51	3.62
5925	60.69	3.77
6025	59.24	3.71
6125	60.27	3.61
6225	57.7	3.84
6325	59.11	3.76
6425	60.84	3.91
6525	58.64	3.89
6625	60.86	4.03
6725	60.24	4.08
6825	61.59	4.05
6925	60.06	4.09
7025	57.29	3.95
7125	57.04	3.72

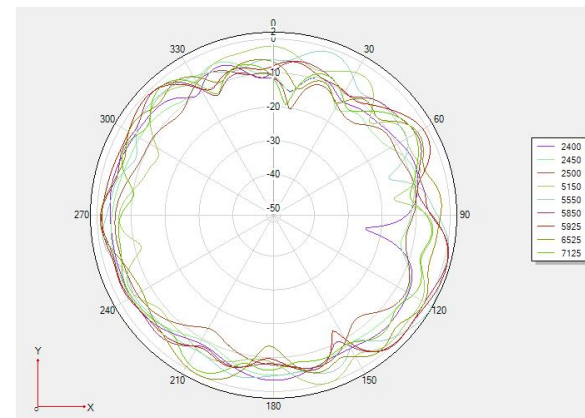
Phi 0 2D图



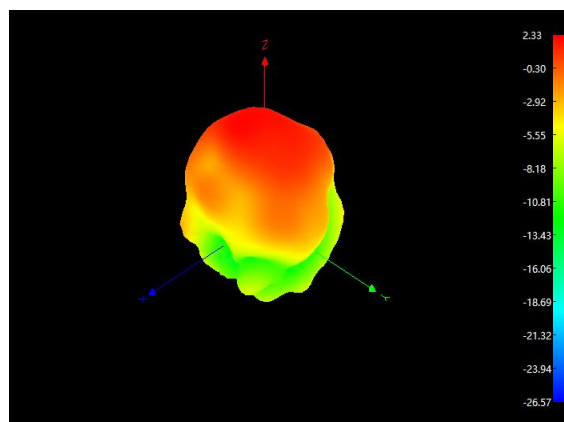
Phi 90 2D图



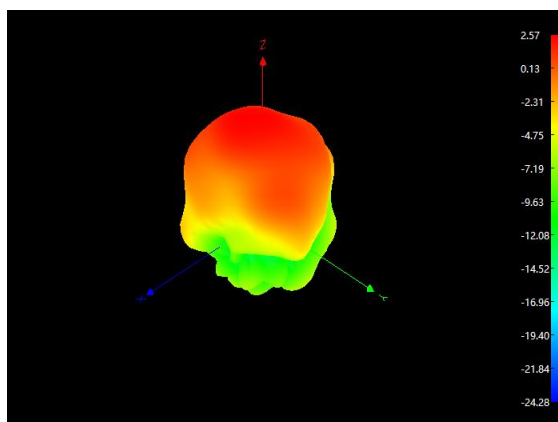
Theta 90 2D图



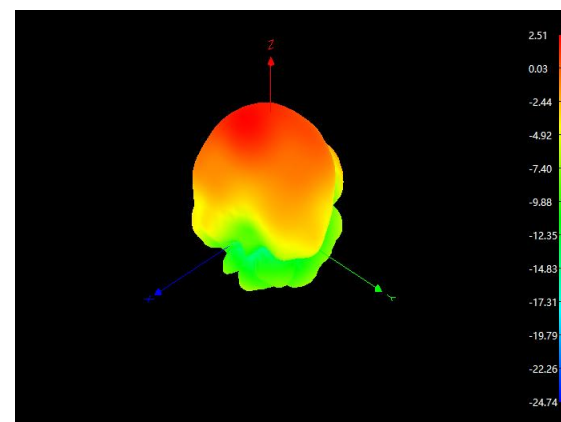
2400



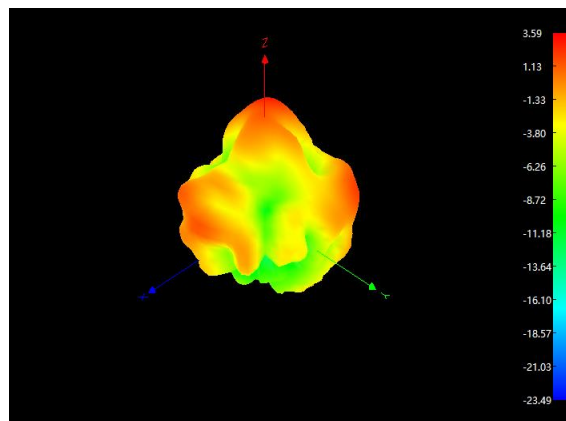
2450



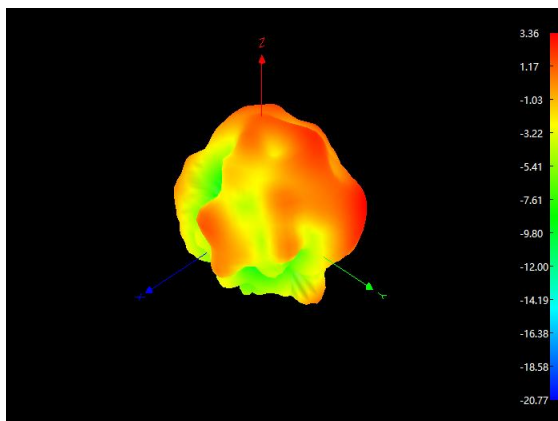
2500



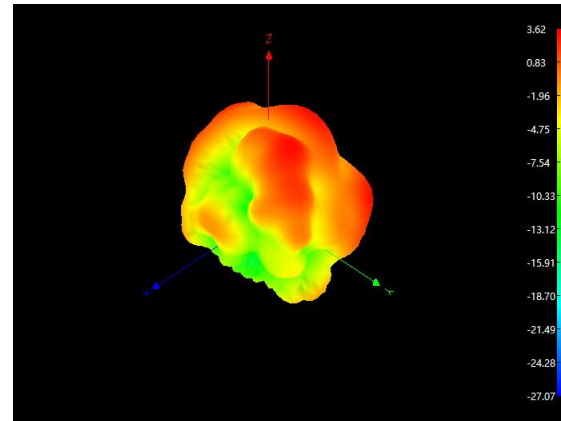
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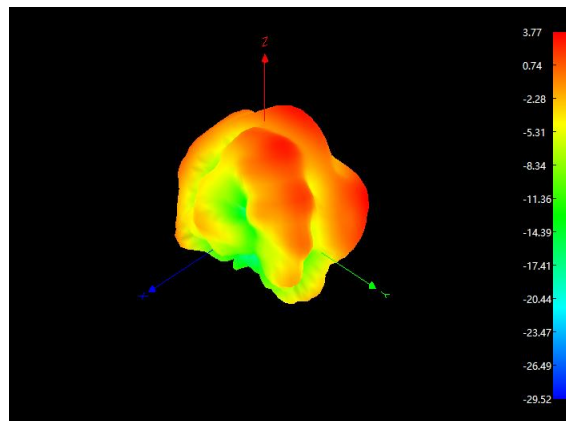
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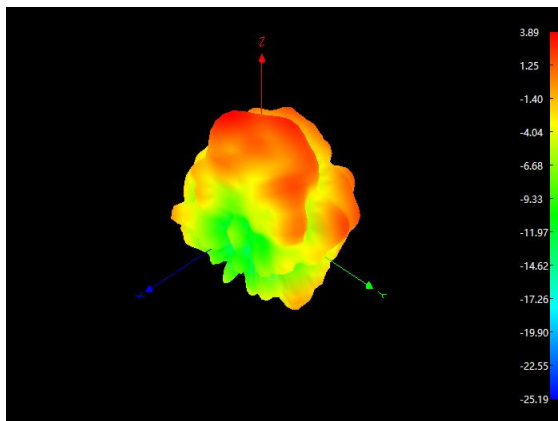
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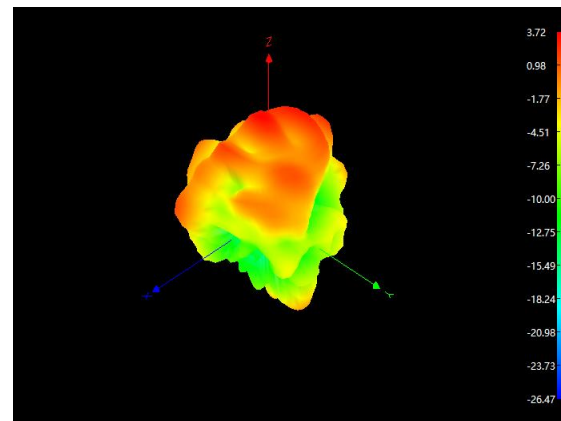
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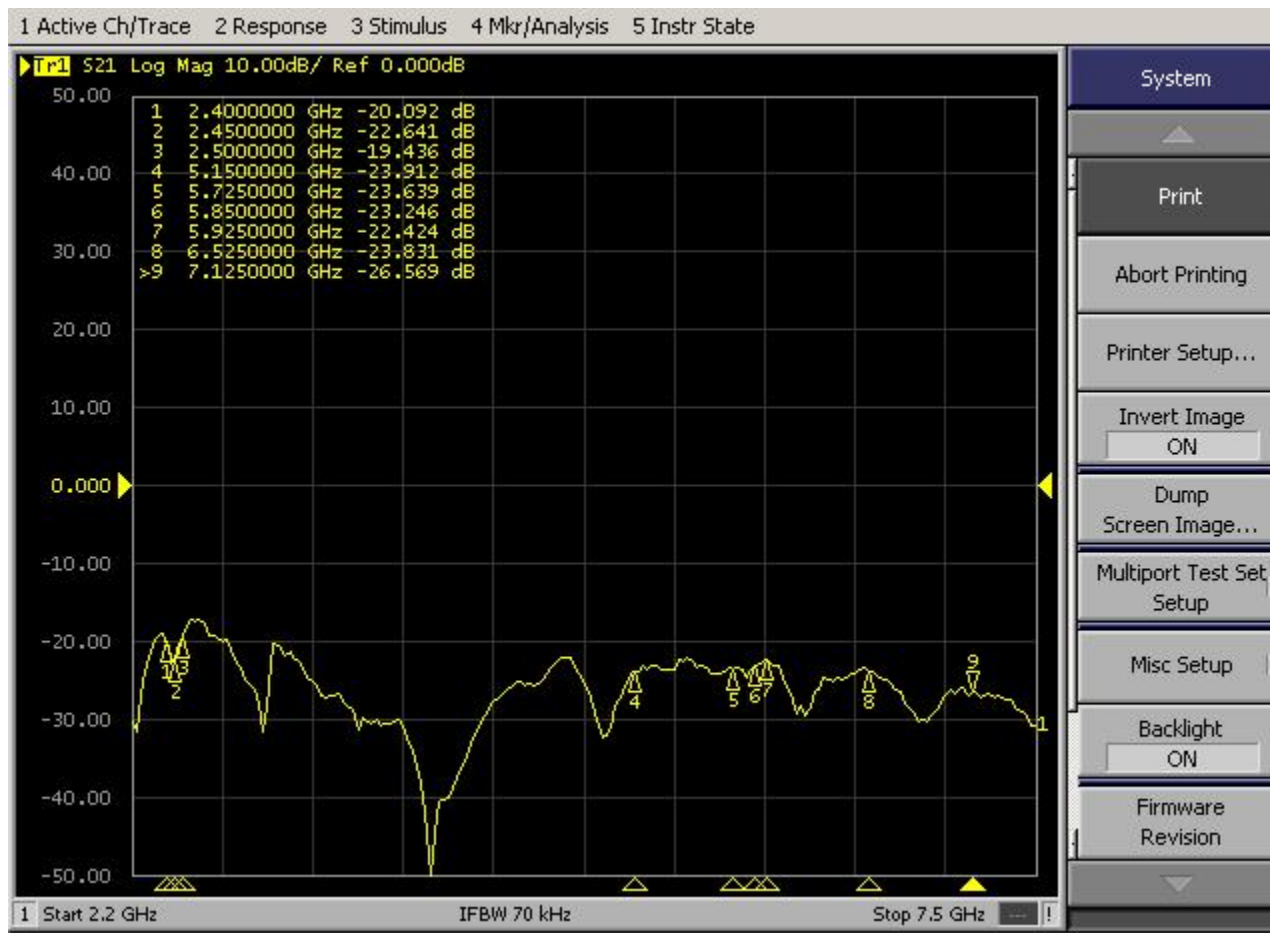


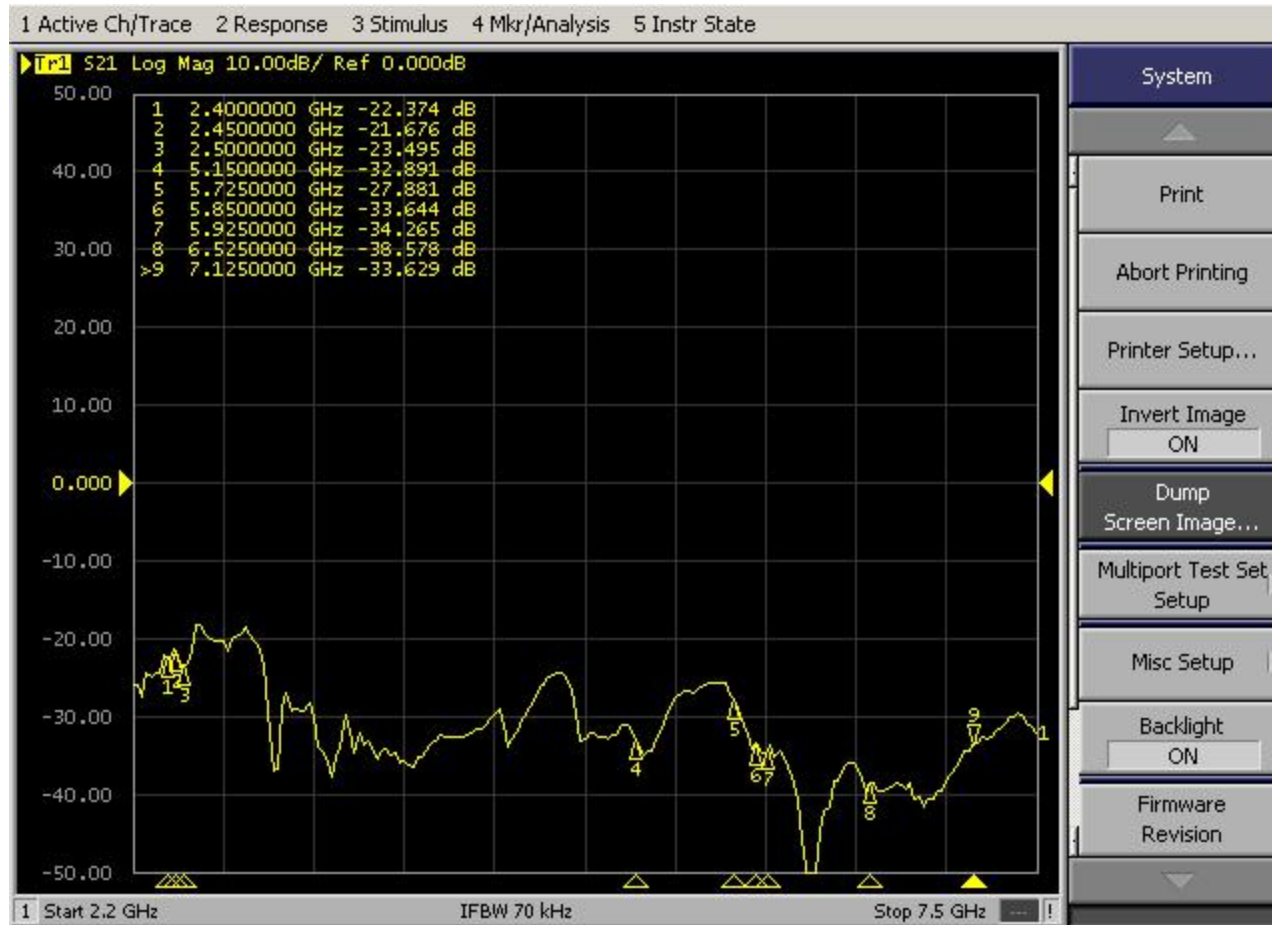
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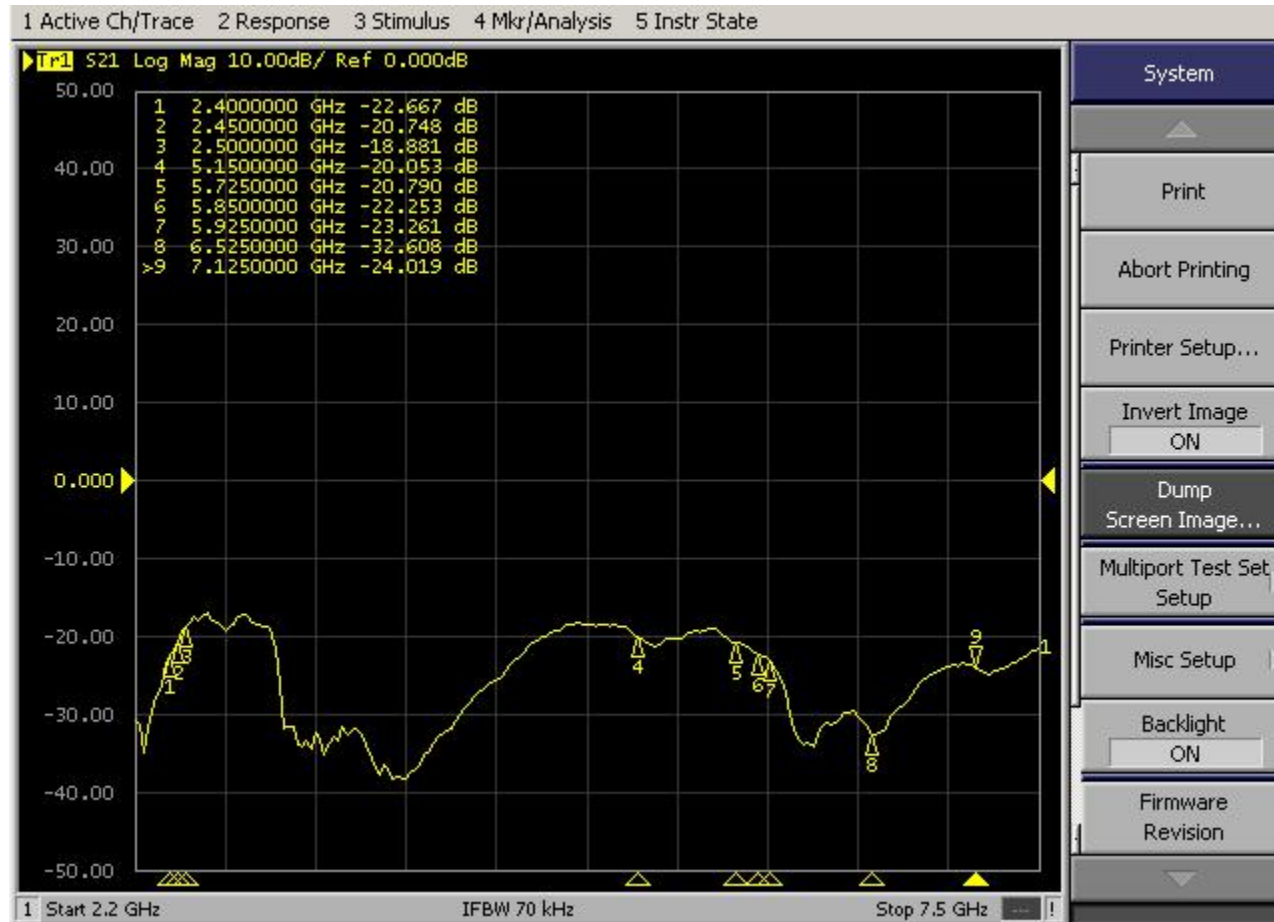


7125











Thank you!

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