

7921 Antenna

ANTENNA Types: PCB Antenna

ANTENNA Model: Ceramic Antenna

ANTENNA SIZE:

BT : 10 x 2 (mm)

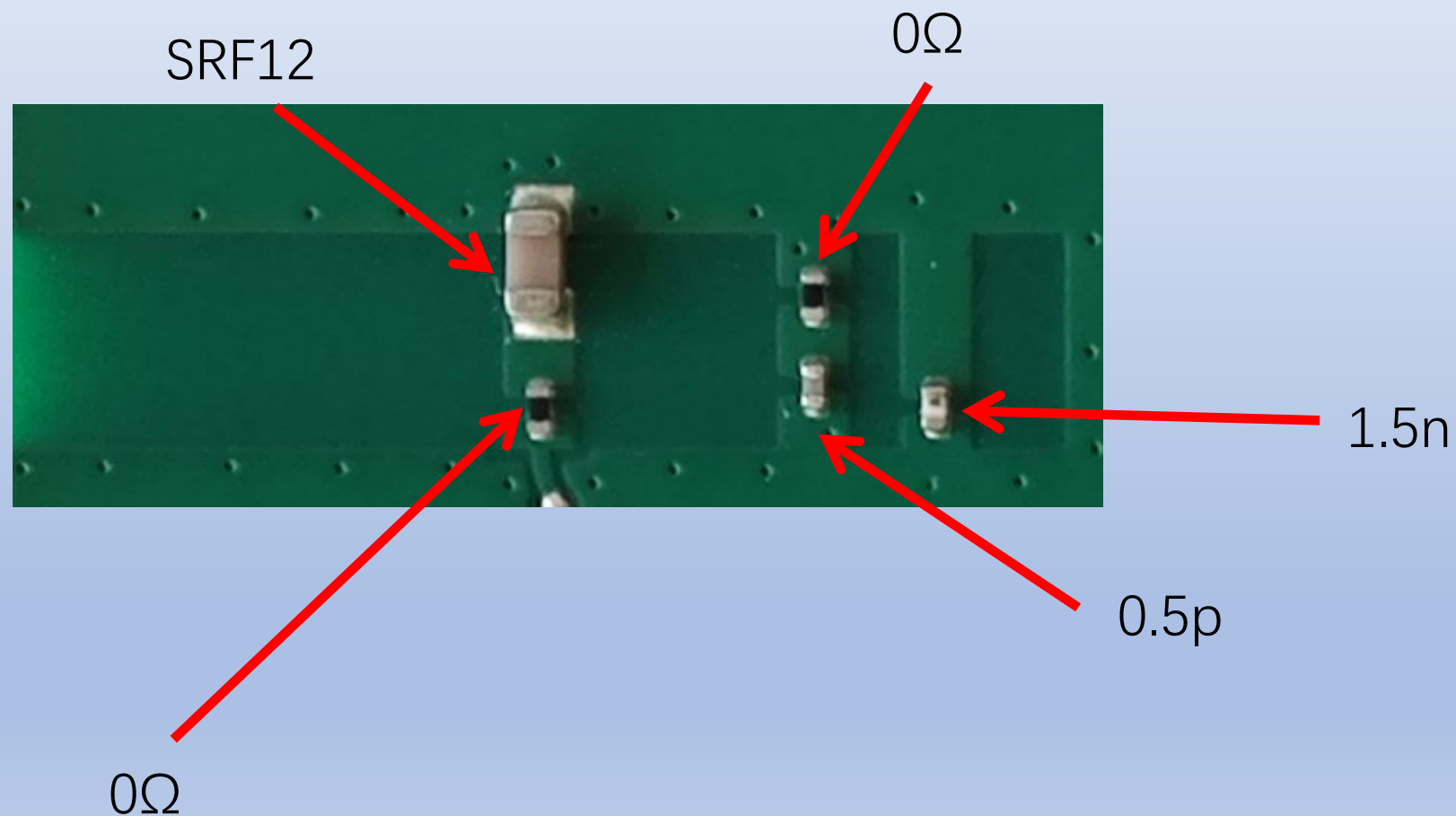
WIFI0、WIFI3 : 15 x 3 (mm)

WIFI1、WIFI2 : 23 x 5 (mm)

Date: 2026. 3. 13

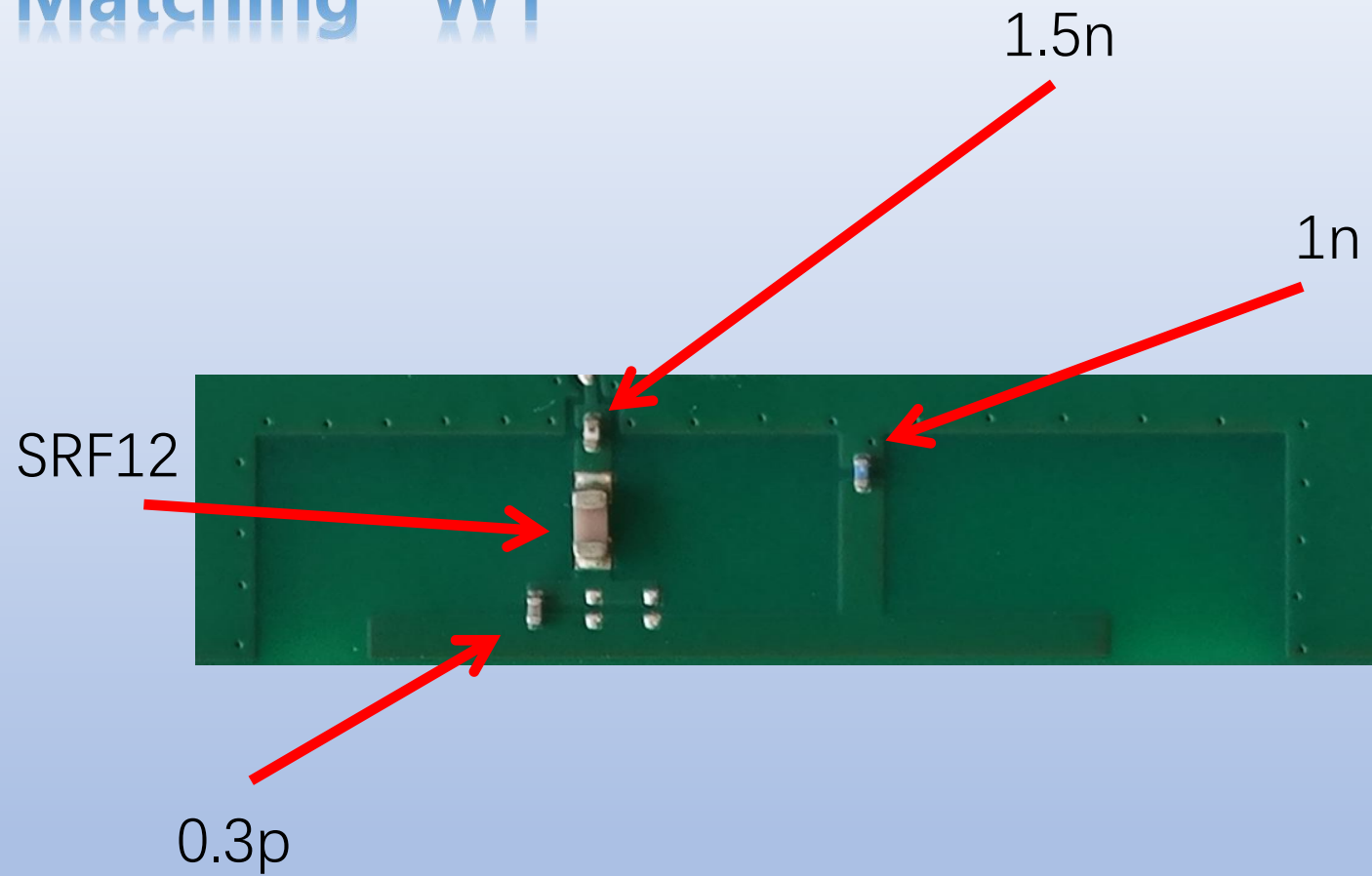


(RLC) Matching W0



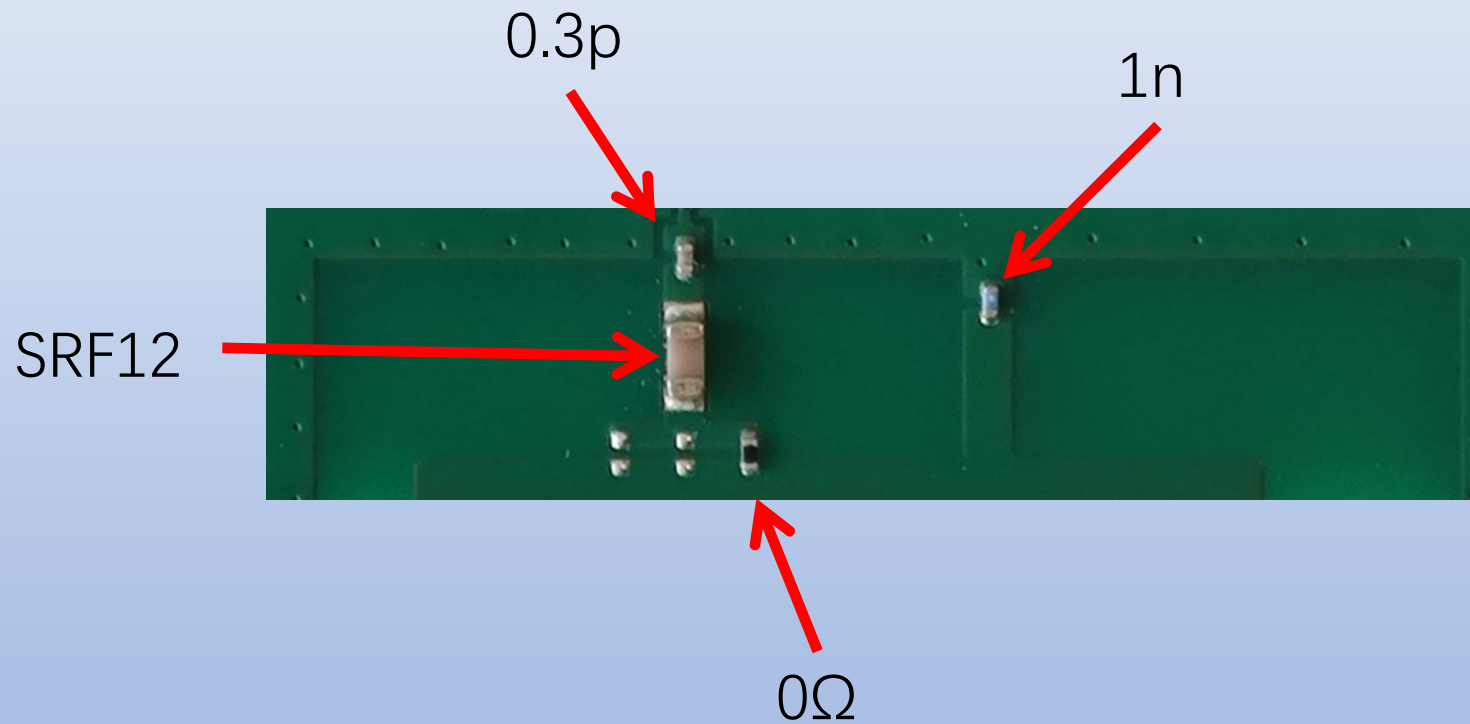


(RLC) Matching W1

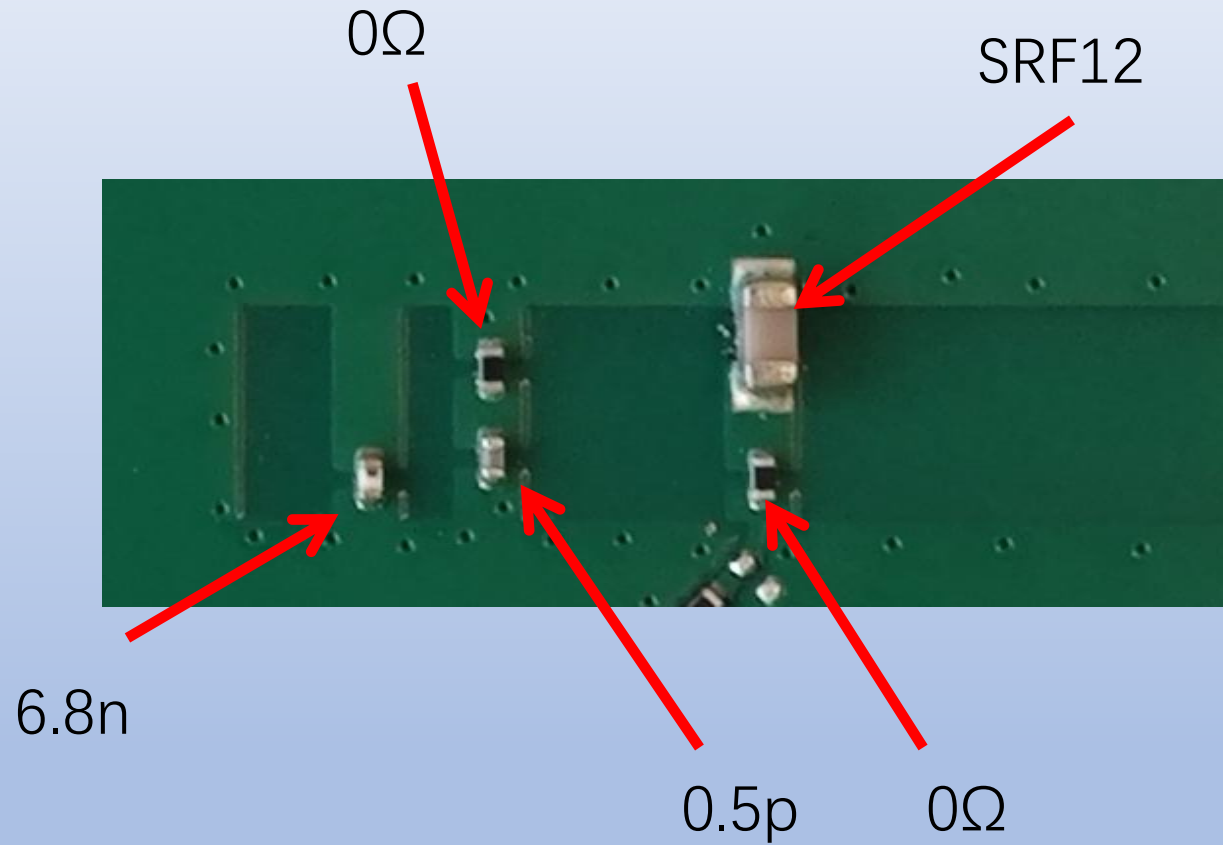




(RLC) Matching W2

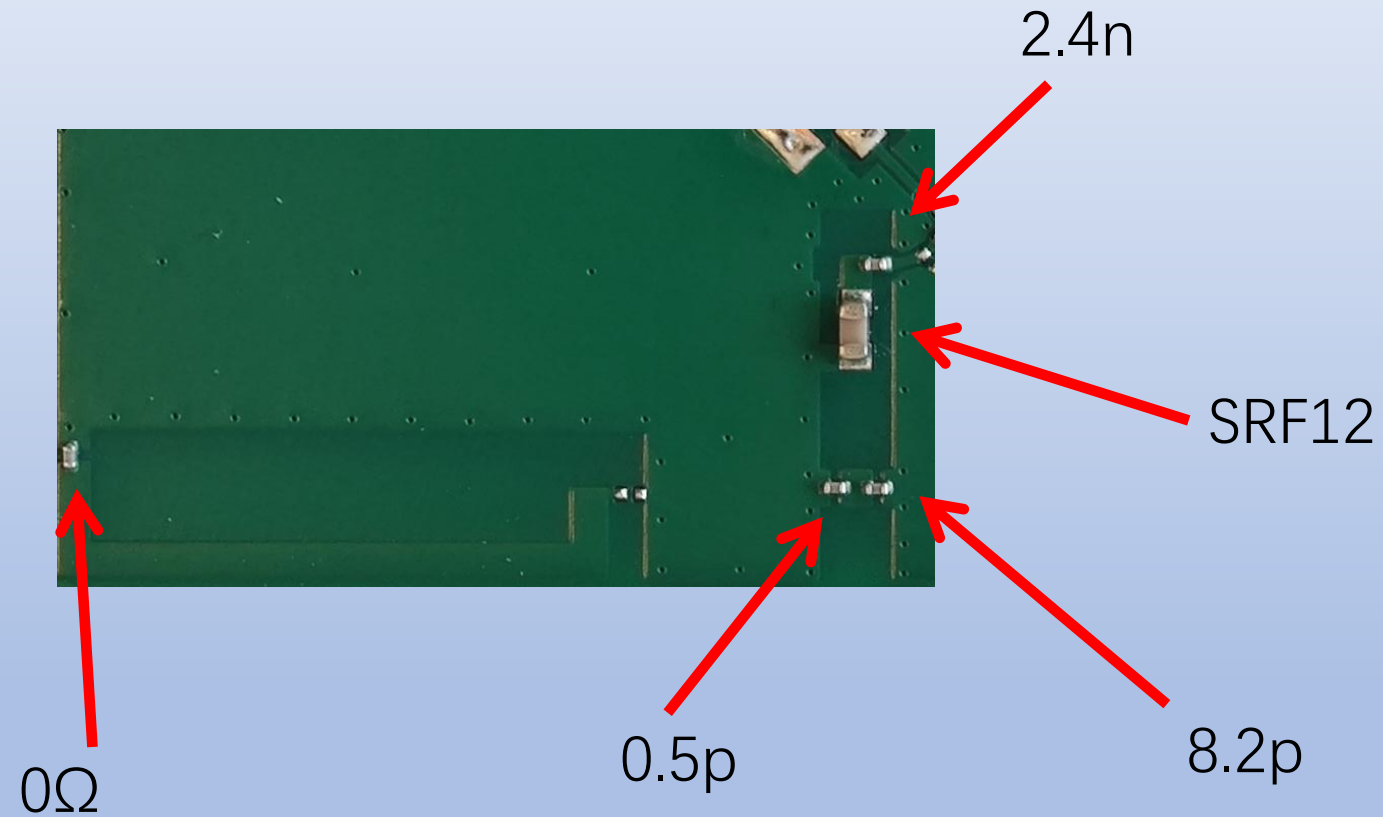


(RLC) Matching W3





(RLC) Matching BT



Efficiency

W0								
频率	dB值	效率	增益		频率	dB值	效率	增益
Frequency	eff-dB	ff-percen	Gain		Frequency	eff-dB	ff-percen	Gain
2400	-2.7	53.7	1.1		6000	-2.25	59.55	1.5
2410	-2.91	51.21	0.96		6030	-2.04	62.49	1.98
2420	-3.36	46.15	0.46		6060	-1.99	63.21	1.94
2430	-3.45	45.18	0.07		6090	-2.03	62.66	1.87
2440	-3.13	48.67	-0.19		6120	-2.01	63	1.88
2450	-2.9	51.32	-0.31		6150	-2.29	59.05	1.8
2460	-2.71	53.63	0.16		6180	-2.35	58.24	1.94
2470	-2.5	56.28	0.71		6210	-2.31	58.73	1.98
2480	-2.35	58.16	1.16		6240	-2.36	58.12	1.97
2490	-2.36	58.01	1.31		6270	-2.15	60.88	2.14
2500	-2.2	60.26	1.45		6300	-2.51	56.14	1.87
5100	-1.34	73.46	4.54		6330	-2.34	58.4	2.03
5130	-1.88	64.86	3.6		6360	-2.67	54.01	1.67
5160	-1.95	63.77	3.14		6390	-2.75	53.12	1.59
5190	-2.38	57.87	2.6		6420	-2.77	52.86	1.62
5220	-2.07	62.02	2.91		6450	-2.62	54.65	1.6
5250	-2.09	61.86	3.02		6480	-2.85	51.88	1.53
5280	-2.12	61.33	3.02		6510	-2.78	52.67	1.64
5310	-1.67	68.11	2.86		6540	-2.9	51.25	1.58
5340	-2.47	56.63	1.8		6570	-2.68	53.99	2.05
5370	-1.91	64.37	2.21		6600	-2.96	50.53	1.95
5400	-2.12	61.44	1.81		6630	-2.97	50.46	1.99
5430	-2.46	56.73	1.68		6660	-2.64	54.46	2.31
5460	-2.2	60.23	2.37		6690	-2.96	50.58	2.06
5490	-2.48	56.48	2.09		6720	-2.56	55.52	2.54
5520	-1.84	65.49	2.93		6750	-3.03	49.82	2.11
5550	-2.35	58.2	2.66		6780	-2.7	53.72	2.52
5580	-2.14	61.04	2.94		6810	-2.71	53.59	2.37
5610	-2.15	60.93	3.04		6840	-2.65	54.29	2.37
5640	-1.97	63.59	3.35		6870	-2.14	61.13	2.94
5670	-1.53	70.29	3.68		6900	-2.65	54.31	2.4
5700	-2.15	60.94	2.79		6930	-2.21	60.06	2.9
5730	-1.4	72.46	3.46		6960	-2.57	55.38	2.63
5760	-1.99	63.31	2.88		6990	-2.04	62.5	3.07
5790	-2.09	61.86	2.71		7020	-2.37	58	2.59
5820	-1.95	63.9	2.7		7050	-1.99	63.27	2.99
5850	-2.16	60.83	2.08		7080	-2.3	58.9	2.74
5880	-1.56	69.76	1.98		7110	-2.35	58.22	2.68
5910	-2.01	62.99	1.1		7140	-2.32	58.65	2.77
5940	-2.26	59.36	0.98		7170	-2.43	57.1	2.8
5970	-2.07	62.12	1.4		7200	-2.41	57.38	2.69

W1								
频率	dB值	效率	增益		频率	dB值	效率	增益
Frequency	eff-dB	ff-percen	Gain		Frequency	eff-dB	ff-percen	Gain
2400	-3.4	45.74	1.18		6000	-3.83	41.36	1.32
2410	-3.4	45.68	1.27		6030	-3.65	43.19	1.53
2420	-3.69	42.8	1.05		6060	-3.66	43.09	1.33
2430	-3.66	43.03	1.22		6090	-3.76	42.1	1.14
2440	-3.25	47.29	1.74		6120	-3.7	42.62	1.09
2450	-3.11	48.85	2.06		6150	-4.02	39.62	0.72
2460	-3.06	49.4	2.36		6180	-4.03	39.53	0.7
2470	-3.04	49.65	2.4		6210	-3.95	40.27	0.9
2480	-3.07	49.36	2.34		6240	-4.07	39.19	0.73
2490	-3.21	47.79	2.26		6270	-3.95	40.23	0.79
2500	-3.18	48.13	2.13		6300	-4.46	35.82	0.27
5100	-2.55	55.62	3.75		6330	-4.36	36.63	0.31
5130	-3.01	49.96	2.81		6360	-4.67	34.09	-0.07
5160	-3.04	49.63	2.43		6390	-4.72	33.73	-0.19
5190	-3.43	45.36	2.04		6420	-4.75	33.52	0.04
5220	-3.17	48.16	2.35		6450	-4.56	34.97	0.16
5250	-3.2	47.86	2.46		6480	-4.75	33.51	0.06
5280	-3.25	47.35	2.47		6510	-4.58	34.83	0.02
5310	-2.77	52.85	2.39		6540	-4.57	34.9	-0.12
5340	-3.52	44.49	1.59		6570	-4.22	37.84	0.38
5370	-2.98	50.39	2.25		6600	-4.38	36.45	0.33
5400	-3.24	47.4	2.01		6630	-4.26	37.46	0.32
5430	-3.64	43.27	1.72		6660	-3.81	41.57	0.58
5460	-3.51	44.56	2.01		6690	-4.01	39.68	0.31
5490	-3.74	42.27	1.5		6720	-3.5	44.7	0.8
5520	-3.19	47.99	1.97		6750	-3.86	41.12	0.5
5550	-3.75	42.19	1.28		6780	-3.43	45.42	1.02
5580	-3.53	44.41	1.47		6810	-3.34	46.32	0.87
5610	-3.62	43.49	1.47		6840	-3.14	48.53	0.91
5640	-3.49	44.75	1.73		6870	-2.54	55.77	1.5
5670	-3.08	49.22	2.12		6900	-3.01	50.04	0.79
5700	-3.68	42.83	1.4		6930	-2.53	55.79	1.25
5730	-3.01	50.02	2.16		6960	-2.91	51.14	0.86
5760	-3.62	43.43	1.75		6990	-2.46	56.72	1.04
5790	-3.74	42.25	1.76		7020	-2.84	51.96	0.6
5820	-3.62	43.46	2.07		7050	-2.46	56.79	1.07
5850	-3.79	41.74	1.87		7080	-2.75	53.13	0.84
5880	-3.13	48.66	2.19		7110	-2.78	52.74	0.83
5910	-3.46	45.07	1.7		7140	-2.73	53.3	1.03
5940	-3.72	42.41	1.37		7170	-2.88	51.5	1.2
5970	-3.57	43.95	1.53		7200	-2.86	51.74	1.4

Efficiency

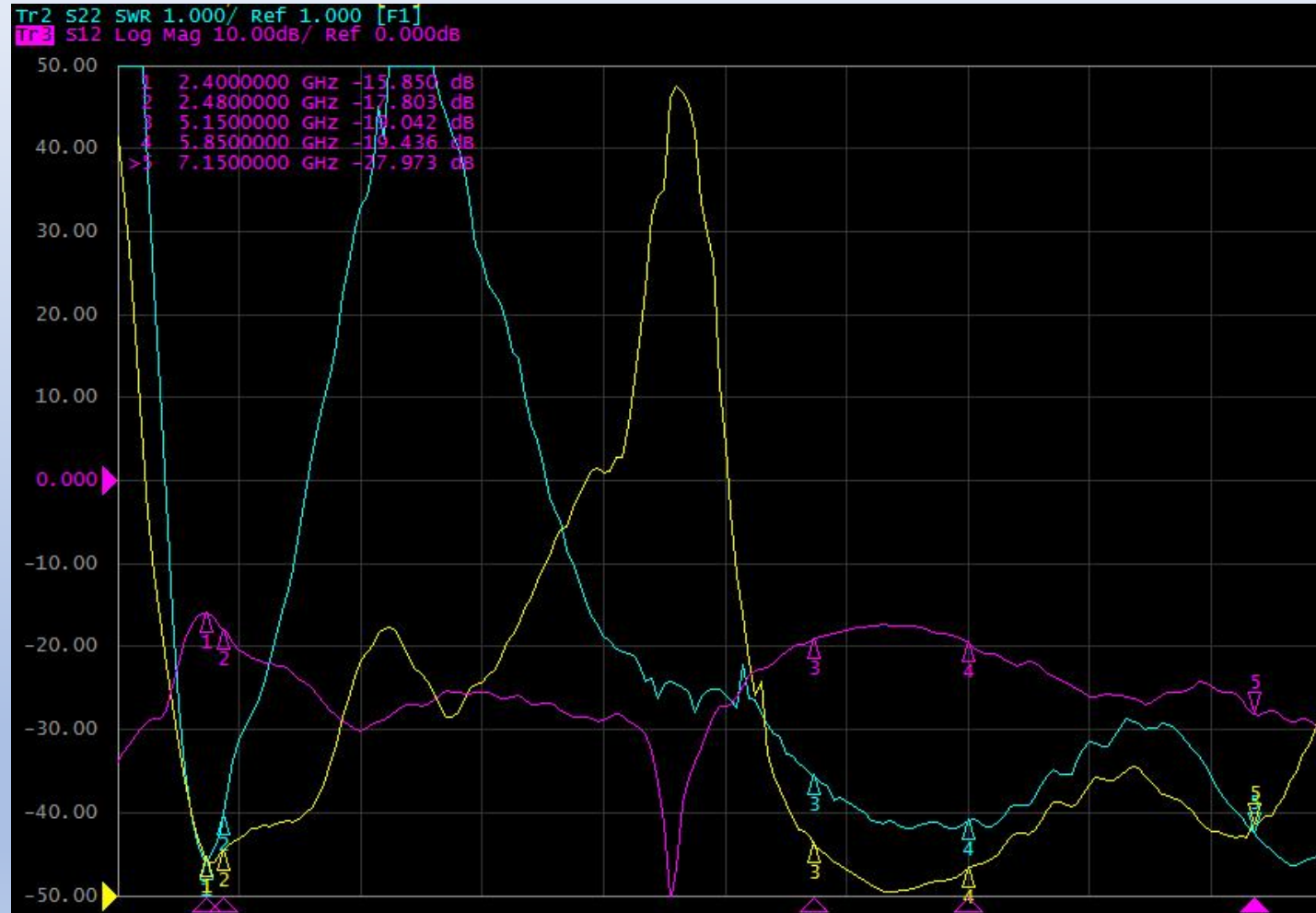
w2								
频率	dB值	效率	增益		频率	dB值	效率	增益
Frequency	eff-dB	ff-percen	Gain		Frequency	eff-dB	ff-percen	Gain
2400	-3.45	45.21	0.88		6000	-3.17	48.25	1.65
2410	-3.54	44.24	0.94		6030	-3.05	49.56	1.82
2420	-3.83	41.38	0.53		6060	-3.12	48.76	1.74
2430	-3.79	41.82	0.29		6090	-3.23	47.55	1.52
2440	-3.29	46.88	0.33		6120	-3.21	47.8	1.39
2450	-3.03	49.79	0.15		6150	-3.51	44.55	1.07
2460	-2.9	51.27	0.1		6180	-3.51	44.55	1.05
2470	-2.83	52.14	0.01		6210	-3.44	45.3	1.06
2480	-2.84	51.99	-0.15		6240	-3.47	44.99	1.11
2490	-3.01	50.02	-0.47		6270	-3.29	46.89	1.23
2500	-3.03	49.82	-0.46		6300	-3.58	43.86	0.84
5100	-2.36	58.06	5.32		6330	-3.27	47.06	1.23
5130	-2.72	53.45	4.36		6360	-3.54	44.22	0.98
5160	-2.58	55.21	3.93		6390	-3.51	44.61	0.91
5190	-2.94	50.85	3.23		6420	-3.43	45.45	0.89
5220	-2.54	55.68	3.33		6450	-3.22	47.62	1.11
5250	-2.6	54.98	2.93		6480	-3.32	46.6	0.86
5280	-2.62	54.75	2.94		6510	-3	50.16	1.13
5310	-1.97	63.53	3.28		6540	-2.94	50.78	1.13
5340	-2.78	52.78	2.66		6570	-2.59	55.04	1.39
5370	-2.08	61.9	3.64		6600	-2.74	53.16	1.33
5400	-2.28	59.11	3.63		6630	-2.63	54.58	1.66
5430	-2.61	54.78	3.52		6660	-2.3	58.9	2.03
5460	-2.4	57.48	3.97		6690	-2.49	56.33	1.76
5490	-2.65	54.31	3.53		6720	-2.08	61.99	2.06
5520	-1.97	63.57	4.22		6750	-2.59	55.09	1.4
5550	-2.54	55.75	3.57		6780	-2.24	59.74	2.09
5580	-2.29	58.98	3.56		6810	-2.34	58.37	1.96
5610	-2.37	57.91	3.41		6840	-2.29	59.01	1.93
5640	-2.25	59.62	3.58		6870	-1.92	64.27	2.33
5670	-1.84	65.44	3.87		6900	-2.49	56.38	1.75
5700	-2.48	56.49	3		6930	-2.28	59.17	2.14
5730	-1.77	66.58	3.67		6960	-2.93	50.99	1.83
5760	-2.42	57.22	2.99		6990	-2.61	54.78	2.37
5790	-2.6	55.01	2.66		7020	-3.11	48.91	2.03
5820	-2.51	56.06	2.72		7050	-2.76	52.91	2.62
5850	-2.75	53.05	2.32		7080	-3.13	48.61	2.5
5880	-2.17	60.71	2.47		7110	-3.41	45.65	2.34
5910	-2.6	54.99	2.07		7140	-3.44	45.28	2.39
5940	-2.93	50.91	1.78		7170	-3.68	42.85	2.29
5970	-2.84	52.01	1.88		7200	-3.71	42.55	2.09

w3								
频率	dB值	效率	增益		频率	dB值	效率	增益
Frequency	eff-dB	ff-percen	Gain		Frequency	eff-dB	ff-percen	Gain
2400	-3.19	47.92	0.66		6000	-1.9	64.5	1.98
2410	-3.27	47.05	0.67		6030	-1.73	67.15	2.33
2420	-3.56	44.03	0.47		6060	-1.66	68.16	2.34
2430	-3.53	44.39	0.35		6090	-1.7	67.67	2.26
2440	-3.06	49.4	0.66		6120	-1.69	67.74	2.37
2450	-2.81	52.39	0.99		6150	-1.92	64.24	2.1
2460	-2.67	54.12	0.93		6180	-1.99	63.23	1.98
2470	-2.57	55.33	0.69		6210	-1.98	63.31	2.03
2480	-2.58	55.24	0.69		6240	-2.04	62.49	1.85
2490	-2.76	52.97	0.6		6270	-1.86	65.22	2.01
2500	-2.91	51.17	0.5		6300	-2.2	60.29	1.84
5100	-0.25	94.5	3.78		6330	-2.04	62.49	2.27
5130	-0.82	82.85	3.24		6360	-2.4	57.57	2.04
5160	-0.99	79.68	3.02		6390	-2.46	56.74	1.96
5190	-1.46	71.51	2.4		6420	-2.42	57.28	1.92
5220	-1.19	75.99	2.82		6450	-2.25	59.51	1.84
5250	-1.23	75.36	2.84		6480	-2.44	56.96	1.64
5280	-1.26	74.82	3.19		6510	-2.32	58.63	1.83
5310	-0.88	81.64	3.38		6540	-2.46	56.75	1.76
5340	-1.7	67.55	2.73		6570	-2.26	59.4	2.15
5370	-1.21	75.68	3.5		6600	-2.5	56.21	1.88
5400	-1.48	71.14	3.41		6630	-2.46	56.76	1.71
5430	-1.84	65.45	3.19		6660	-2.14	61.09	1.85
5460	-1.59	69.29	3.56		6690	-2.45	56.89	1.55
5490	-1.82	65.72	3.12		6720	-2.1	61.72	2
5520	-1.21	75.75	3.74		6750	-2.62	54.69	1.6
5550	-1.8	66	3.13		6780	-2.27	59.25	2.1
5580	-1.59	69.32	3.19		6810	-2.32	58.55	1.9
5610	-1.65	68.31	3.03		6840	-2.25	59.51	1.89
5640	-1.48	71.07	3.1		6870	-1.74	66.98	2.44
5670	-1.08	77.99	3.16		6900	-2.36	58.12	1.82
5700	-1.72	67.23	2.24		6930	-1.9	64.52	2.41
5730	-0.99	79.58	3.15		6960	-2.27	59.27	2.21
5760	-1.63	68.64	2.58		6990	-1.84	65.52	2.6
5790	-1.79	66.22	2.34		7020	-2.23	59.9	2.11
5820	-1.64	68.5	2.73		7050	-1.87	65.05	2.44
5850	-1.86	65.19	2.57		7080	-2.18	60.57	2.13
5880	-1.28	74.52	2.82		7110	-2.23	59.8	1.99
5910	-1.66	68.28	2.21		7140	-2.22	60.04	2.12
5940	-1.89	64.65	1.87		7170	-2.38	57.86	2.23
5970	-1.71	67.44	2.04		7200	-2.34	58.39	2.13

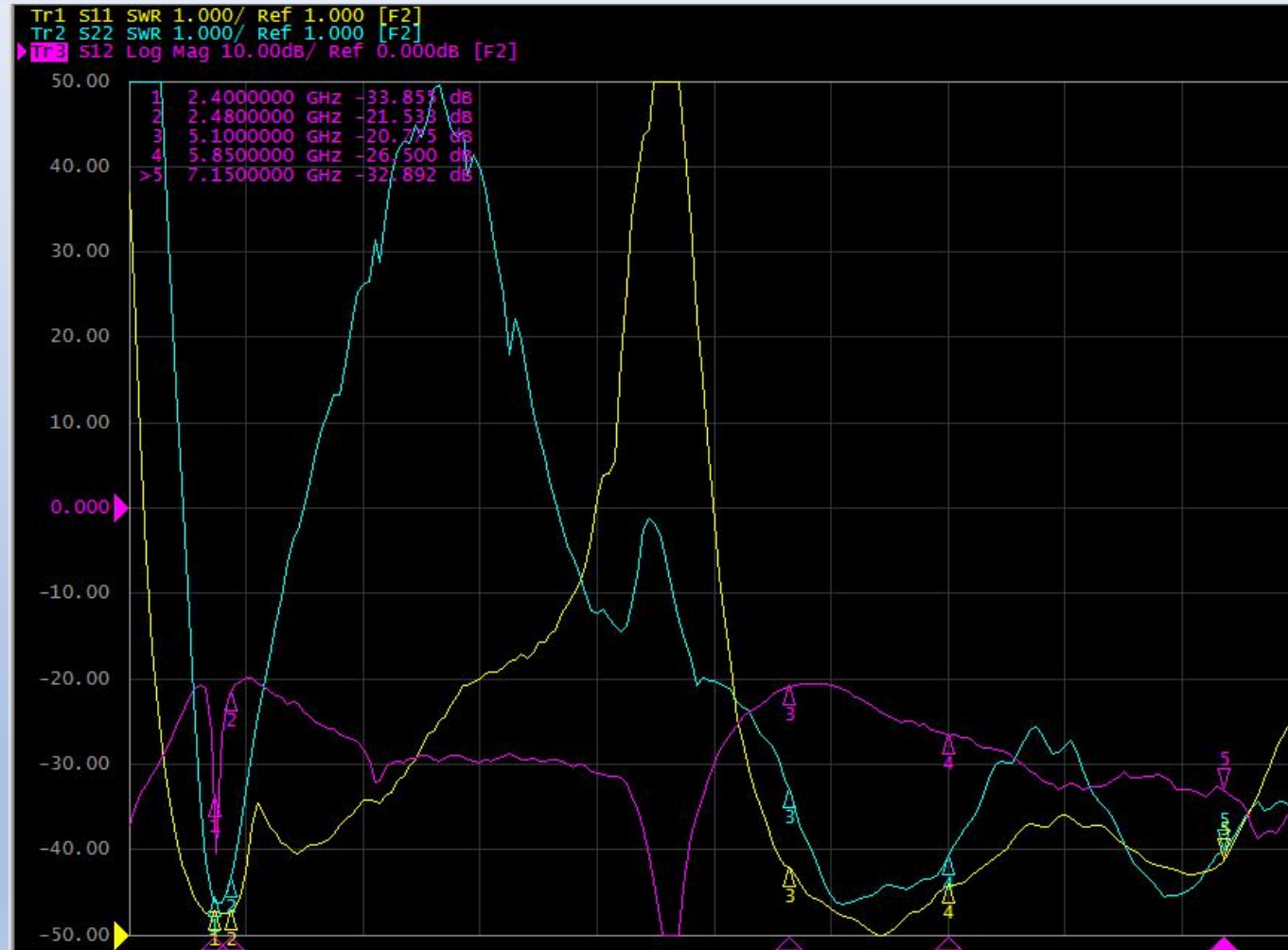
Efficiency

BT0			
频率	dB值	效率	增益
Frequency	eff-dB	ff-percen	Gain
2400	-6.02	25	-1.24
2410	-5.86	25.94	-0.92
2420	-5.89	25.74	-0.87
2430	-5.67	27.12	-0.97
2440	-5.12	30.79	-0.9
2450	-5.01	31.51	-1.19
2460	-5.45	28.53	-1.97
2470	-6.1	24.53	-2.71
2480	-6.23	23.81	-1.91
2490	-6.48	22.5	-3.03
2500	-6.58	21.98	-2.77

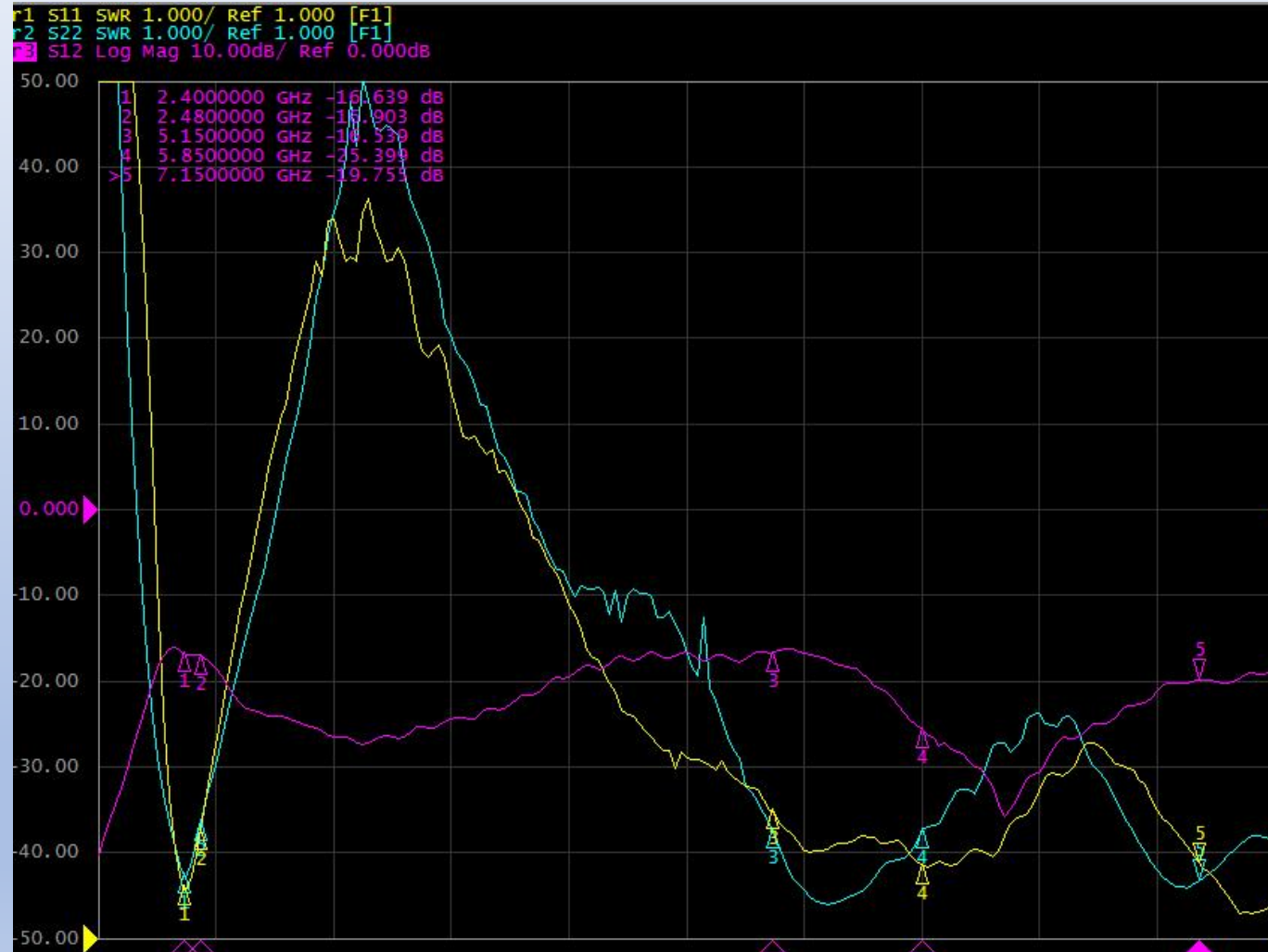
W0&W1 S12



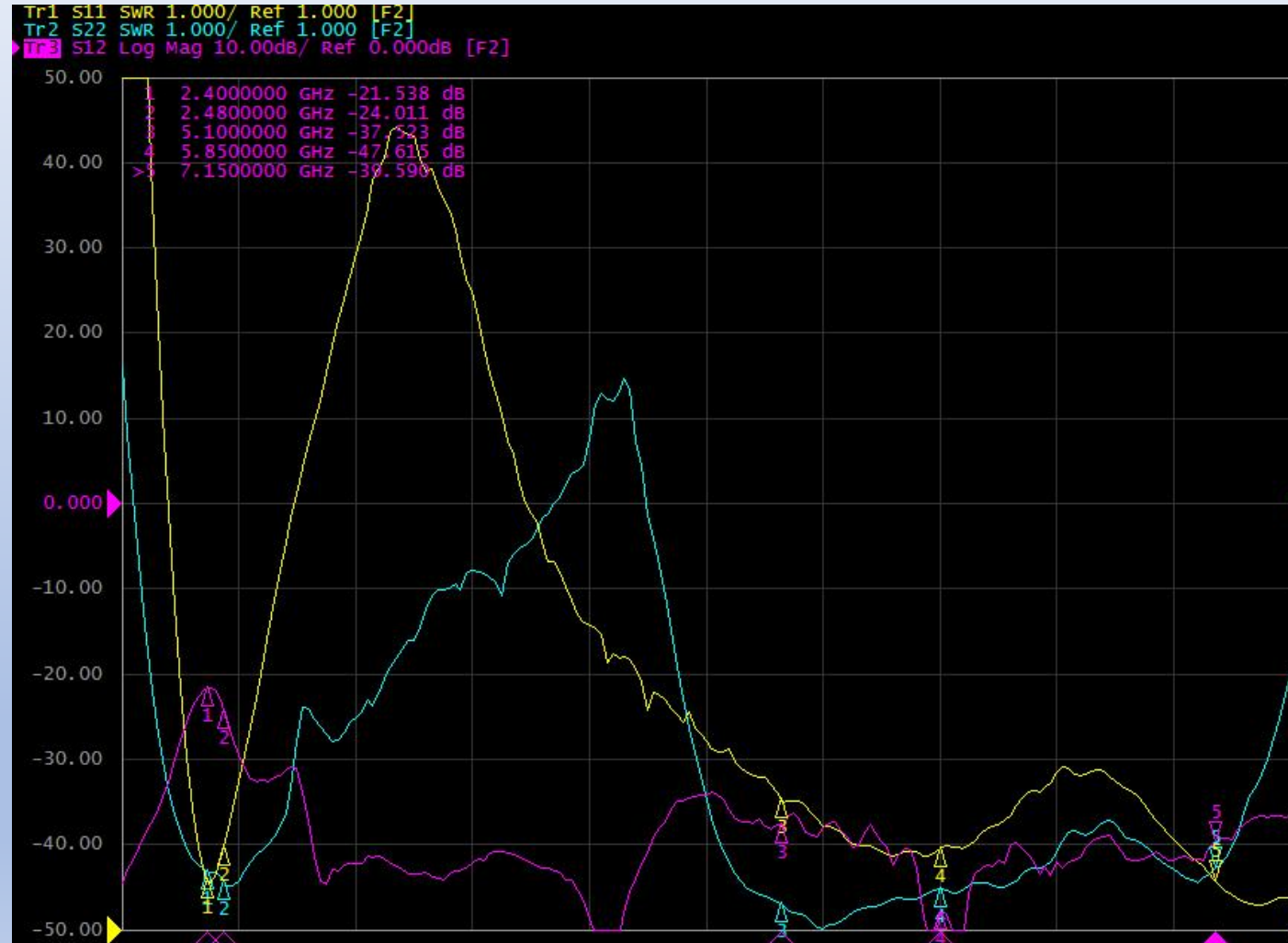
W0&W2 S12



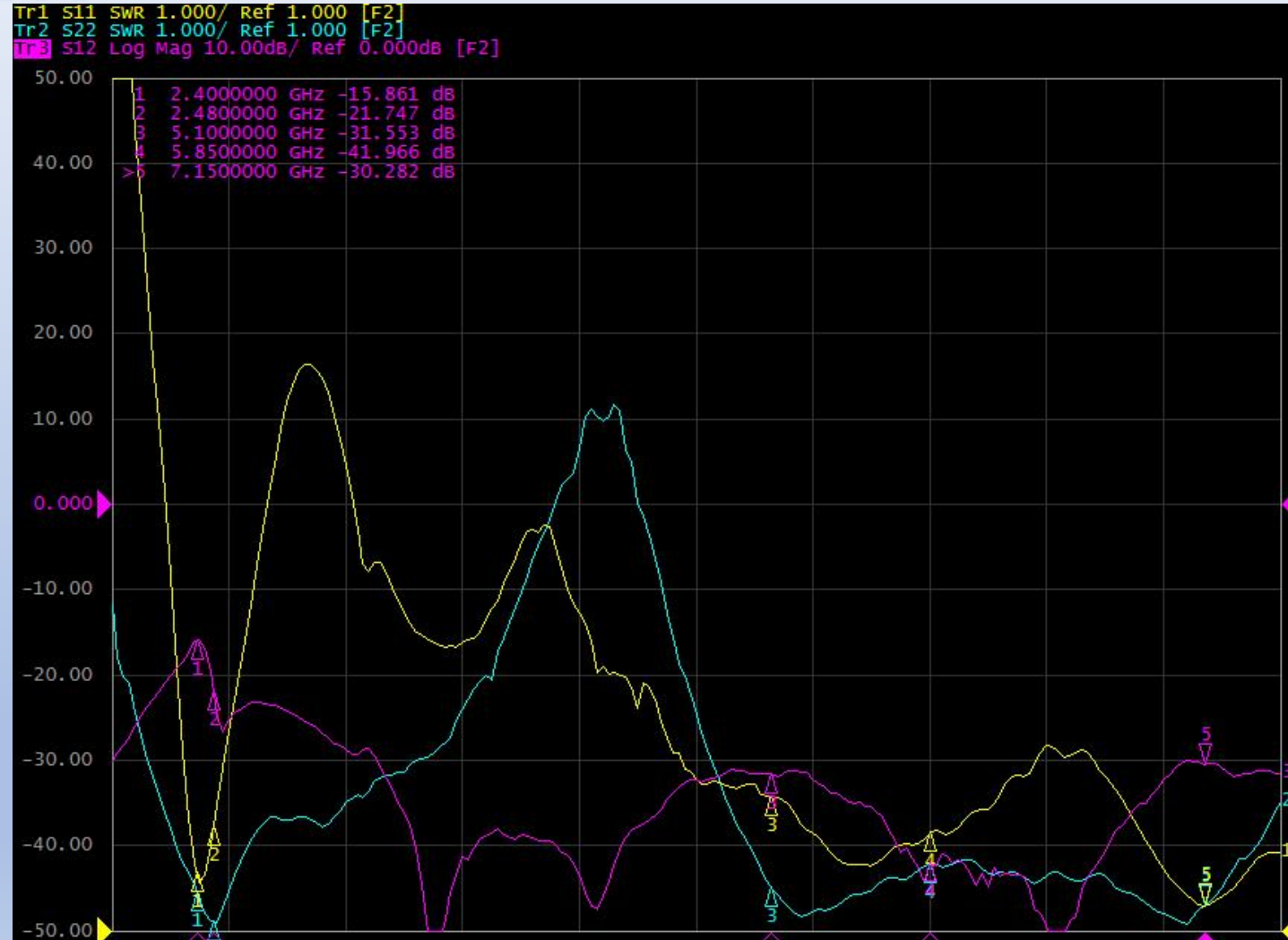
W1&W2 S12



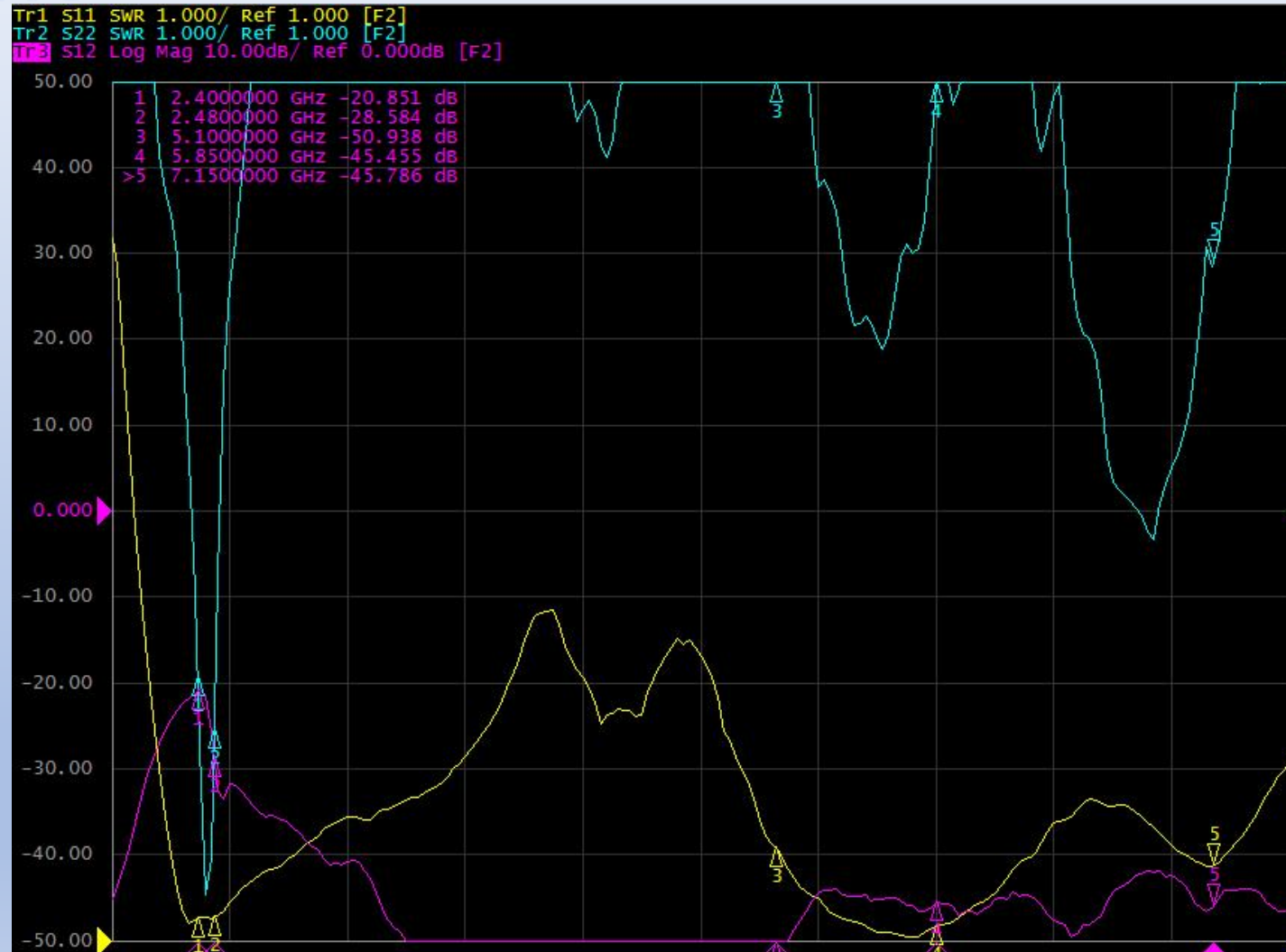
W1&W3 S12



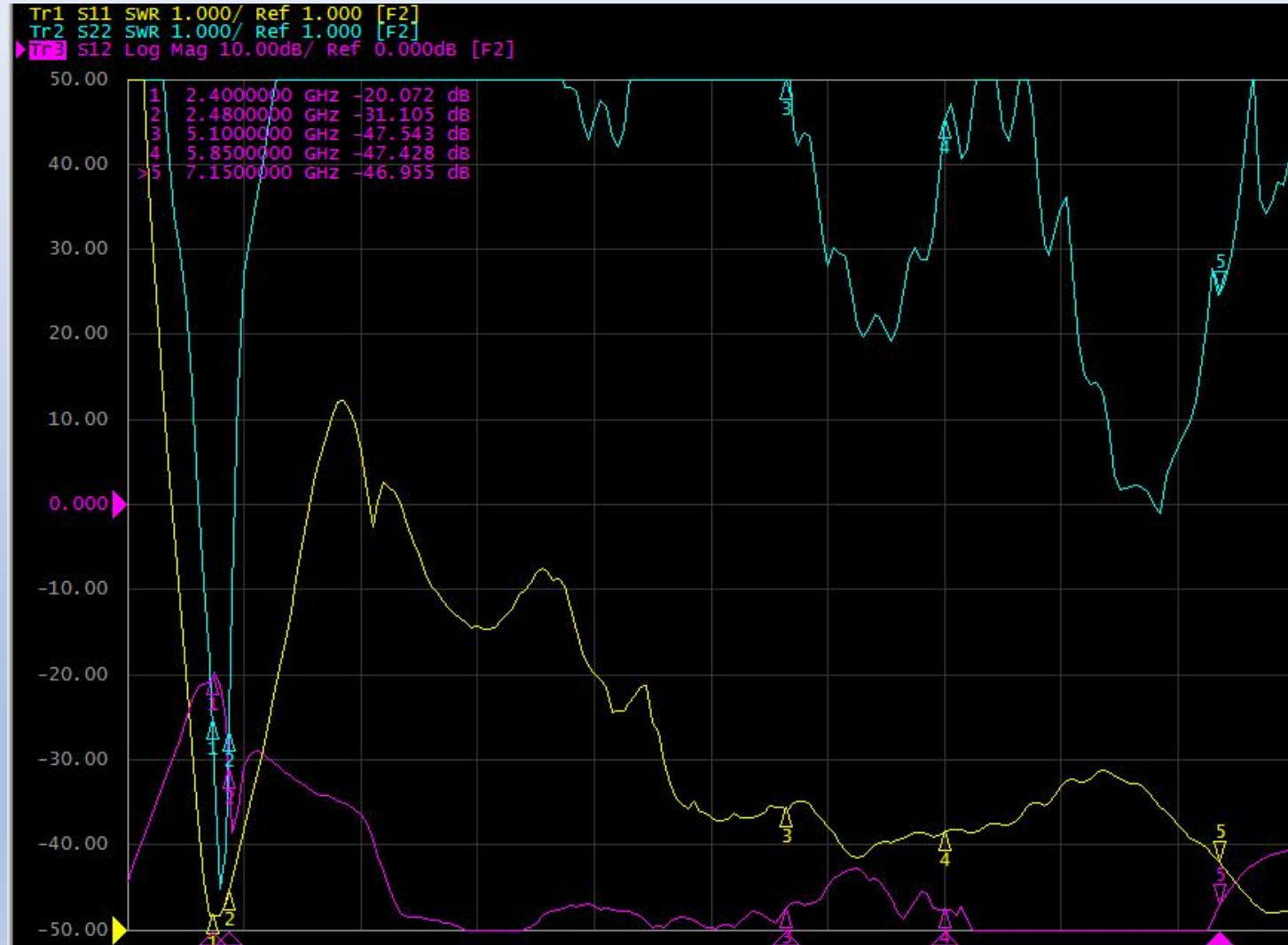
W2&W3 S12



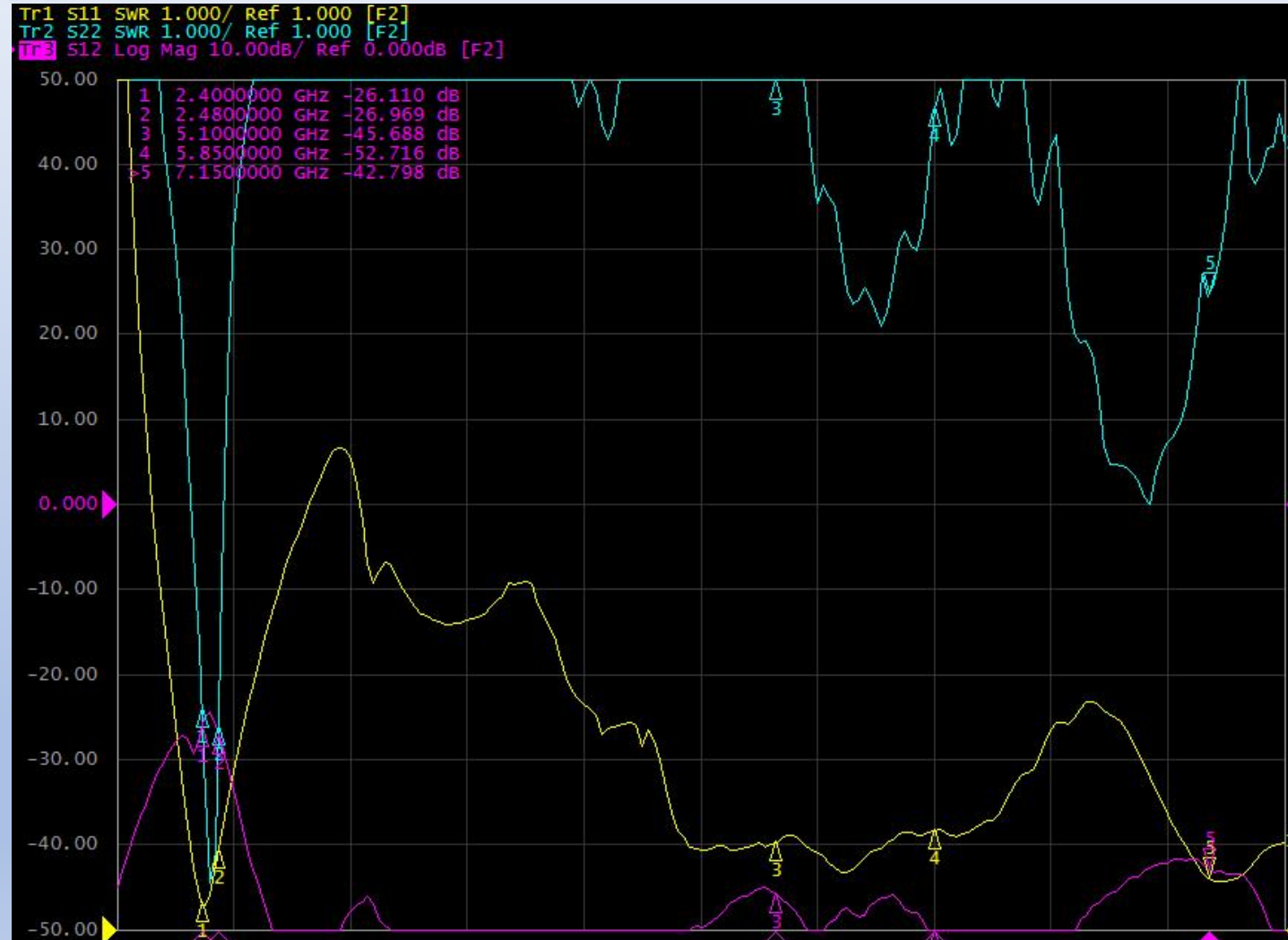
W0&BT S12



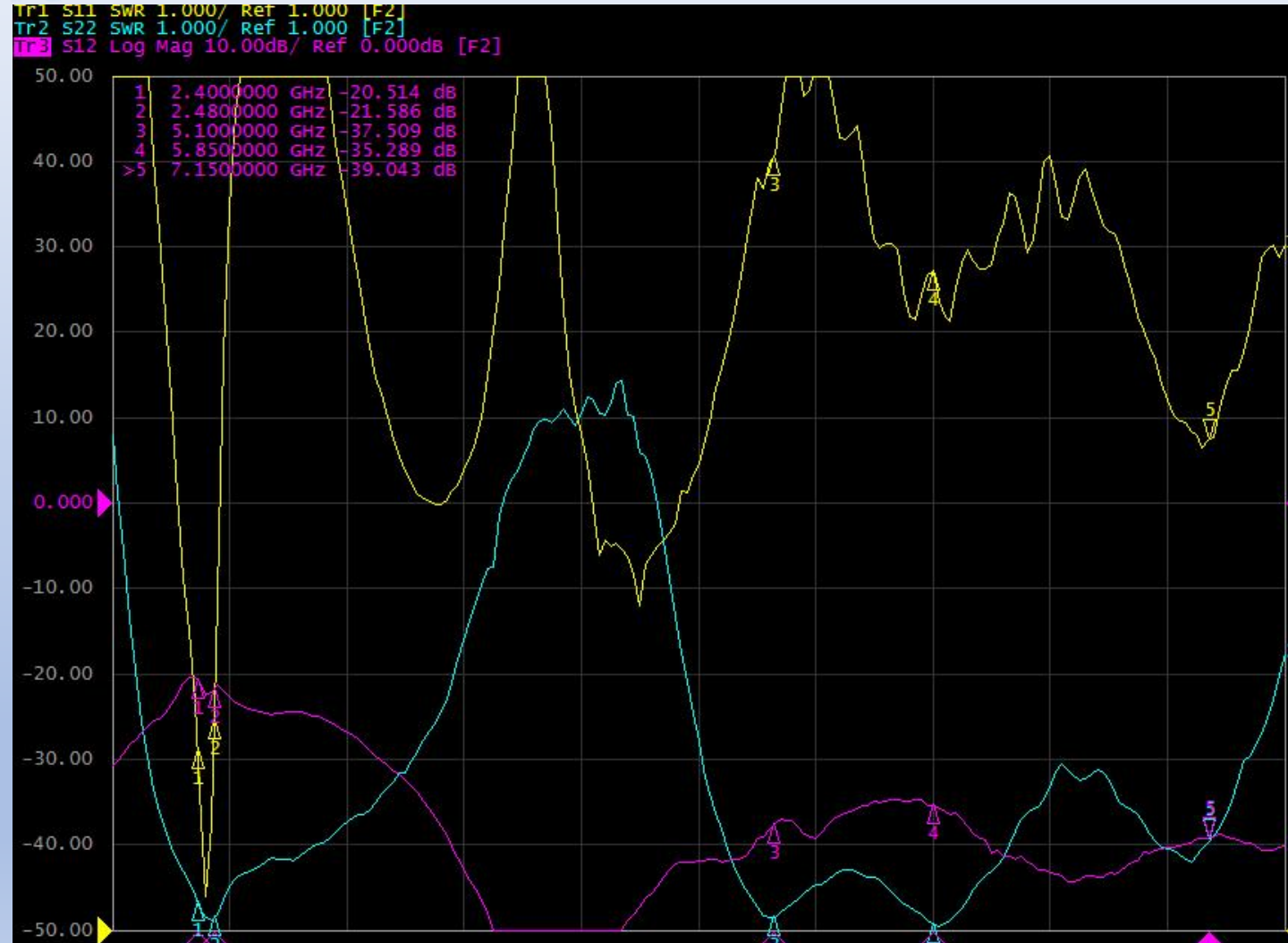
W1&BT S12



W2&BT S12

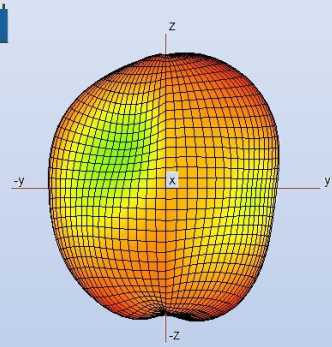


W3&BT S12

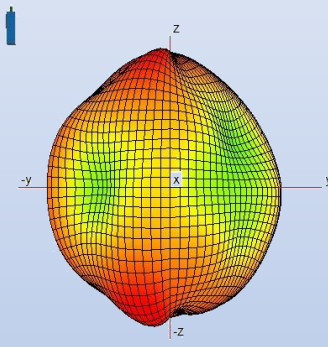


W0 radiation pattern

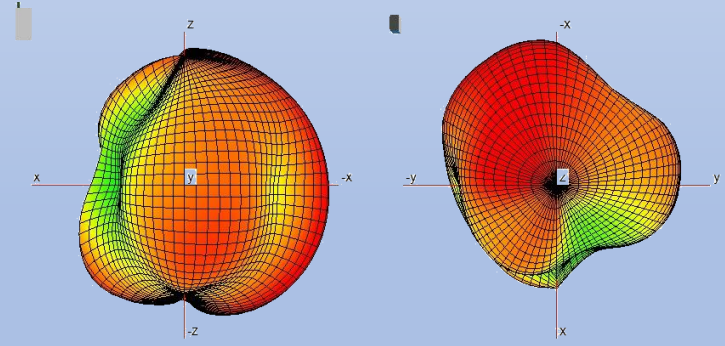
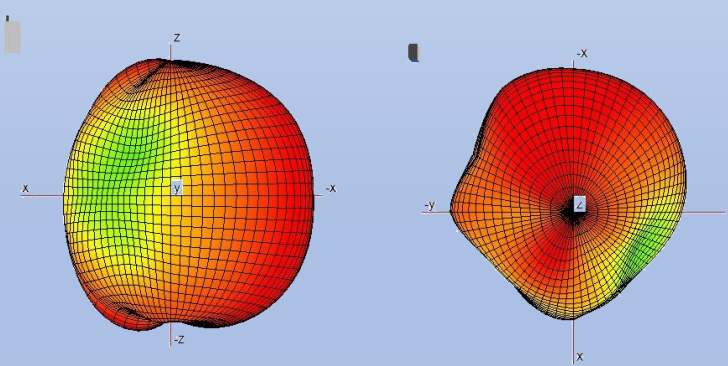
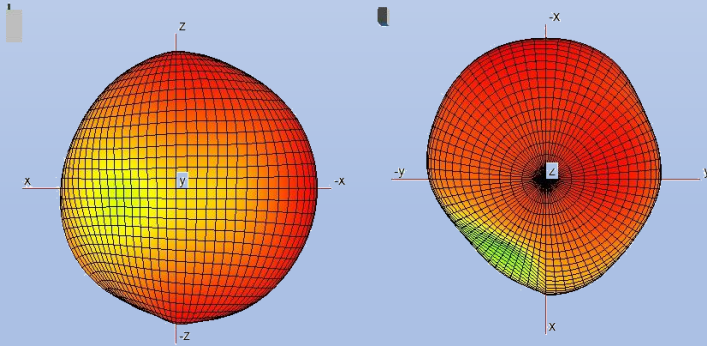
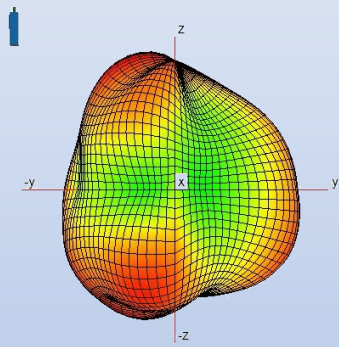
2.4G



5G

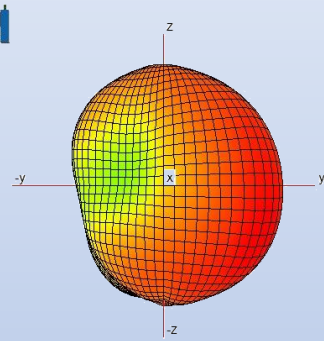


6E

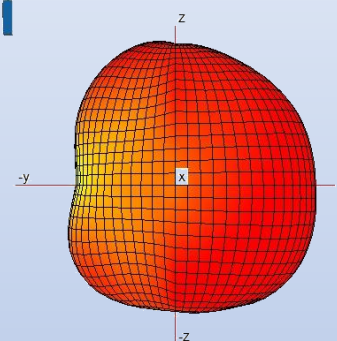


W1 radiation pattern

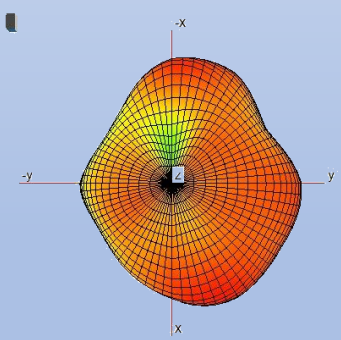
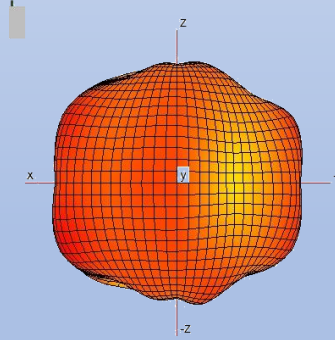
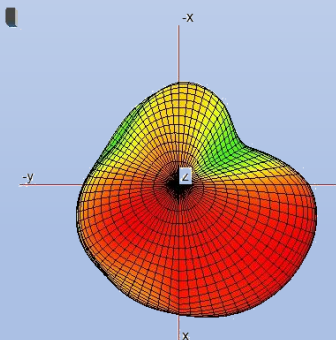
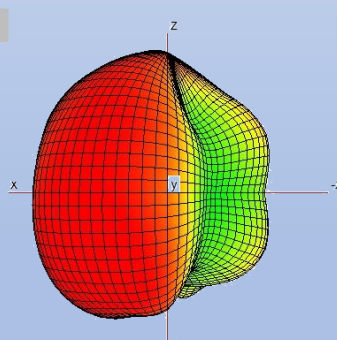
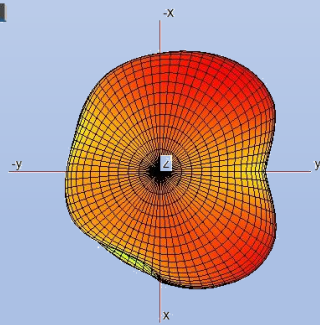
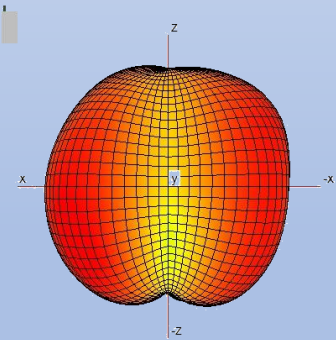
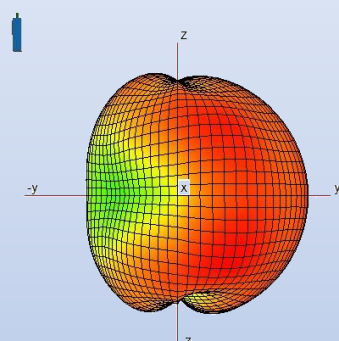
2.4G



5G

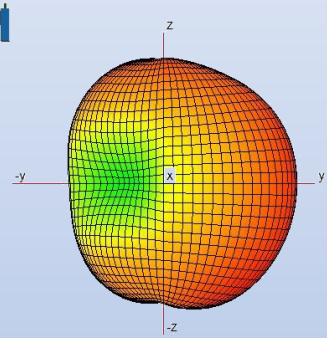


6E

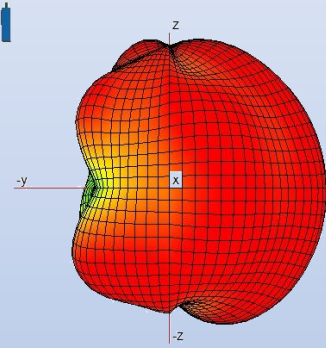


W2 radiation pattern

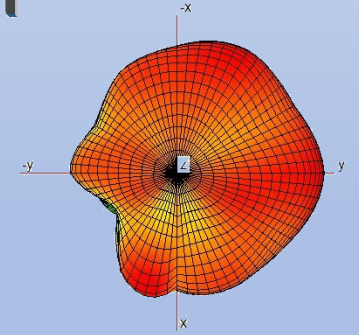
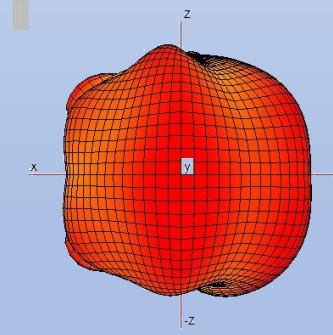
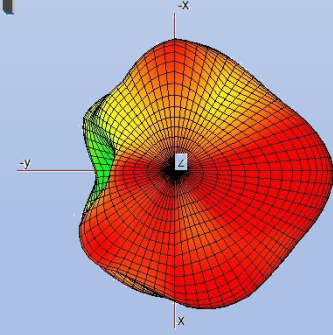
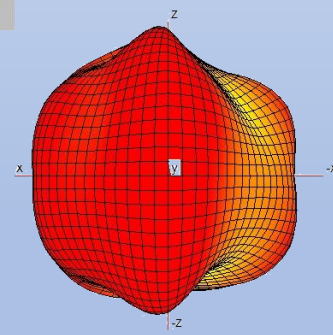
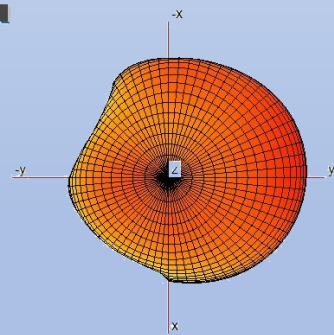
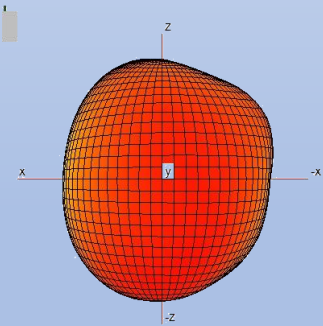
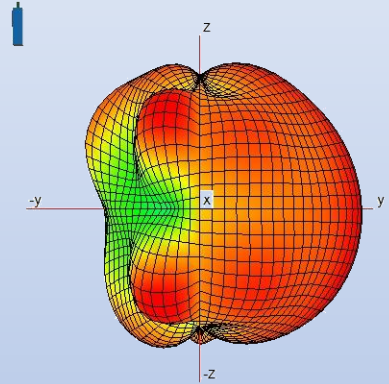
2.4G



5G

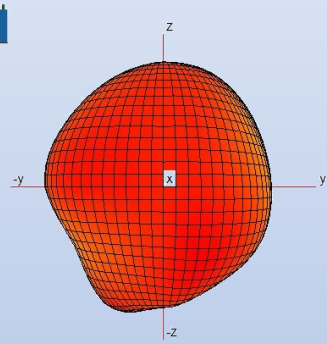


6E

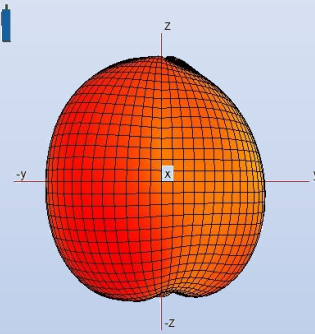


W3 radiation pattern

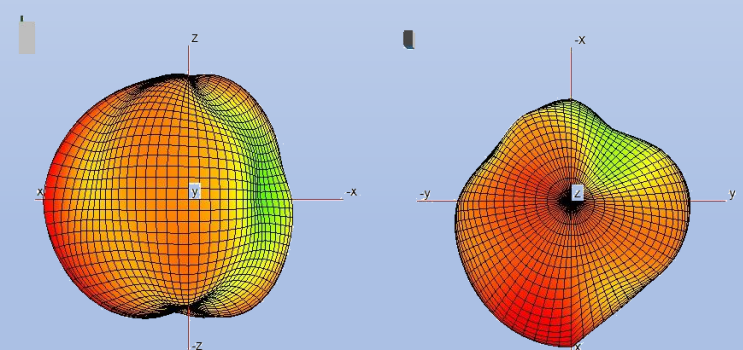
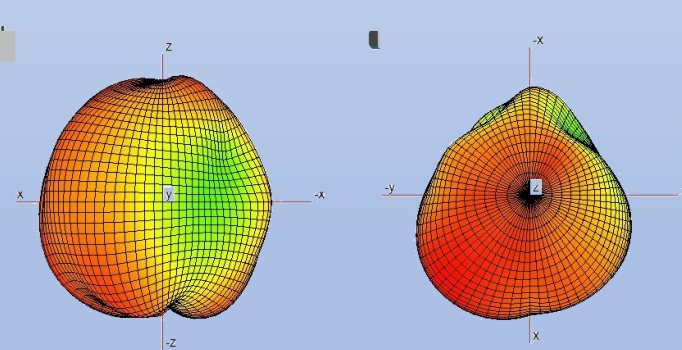
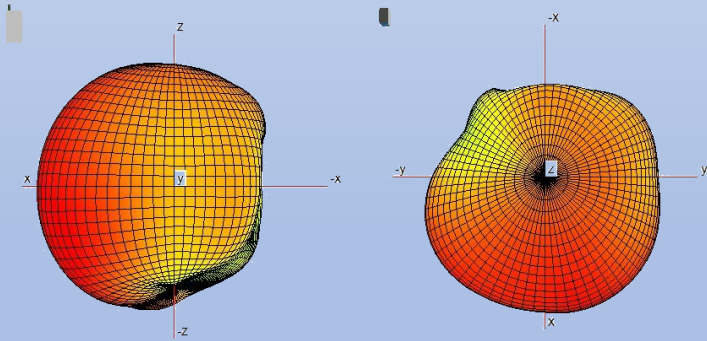
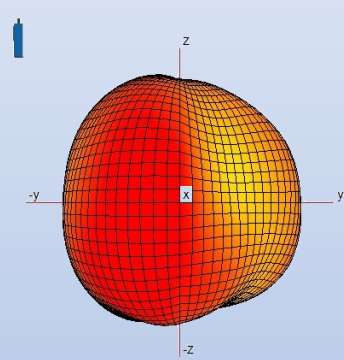
2.4G



5G

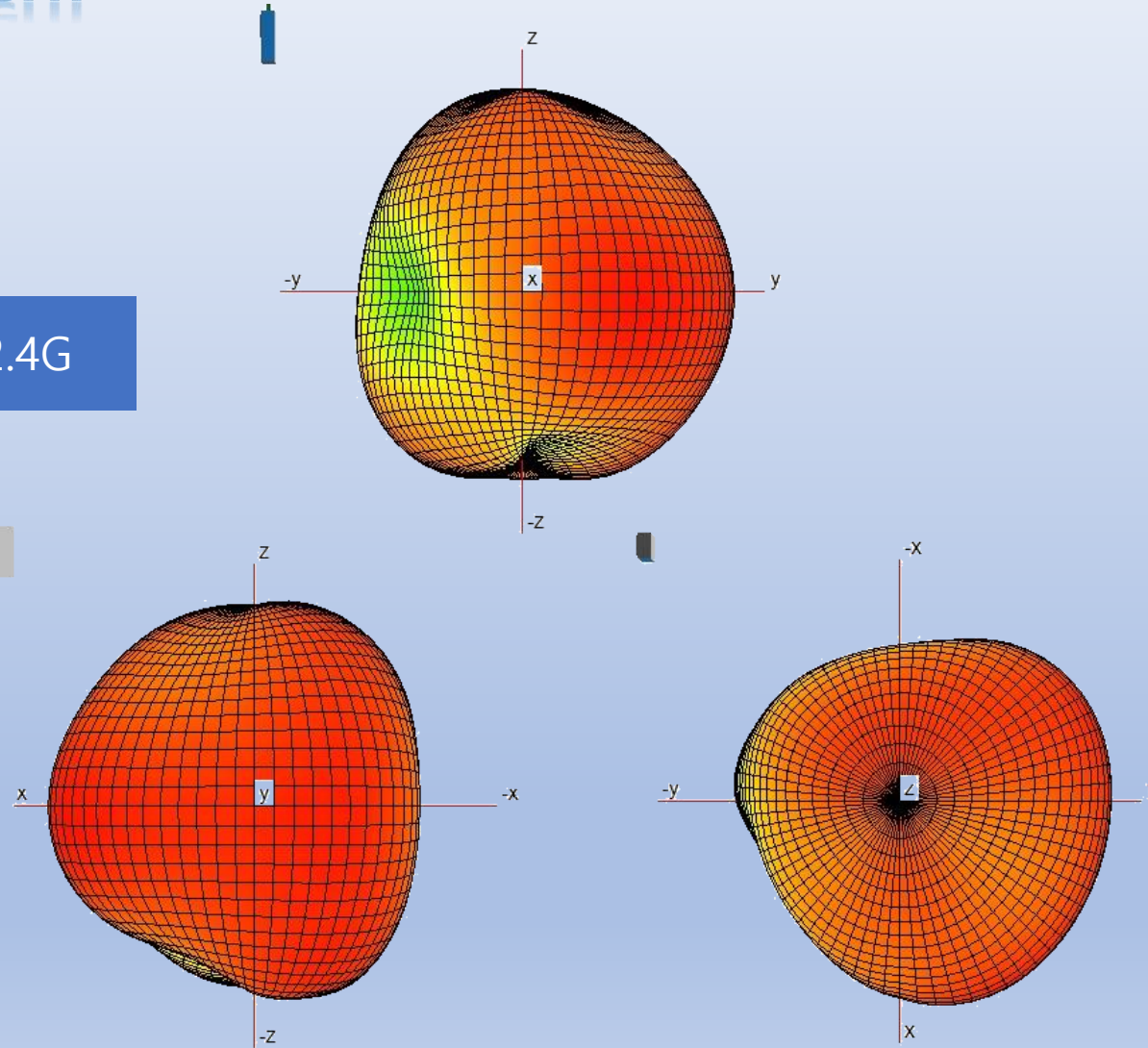


6E



BT radiation pattern

2.4G



Thank You!