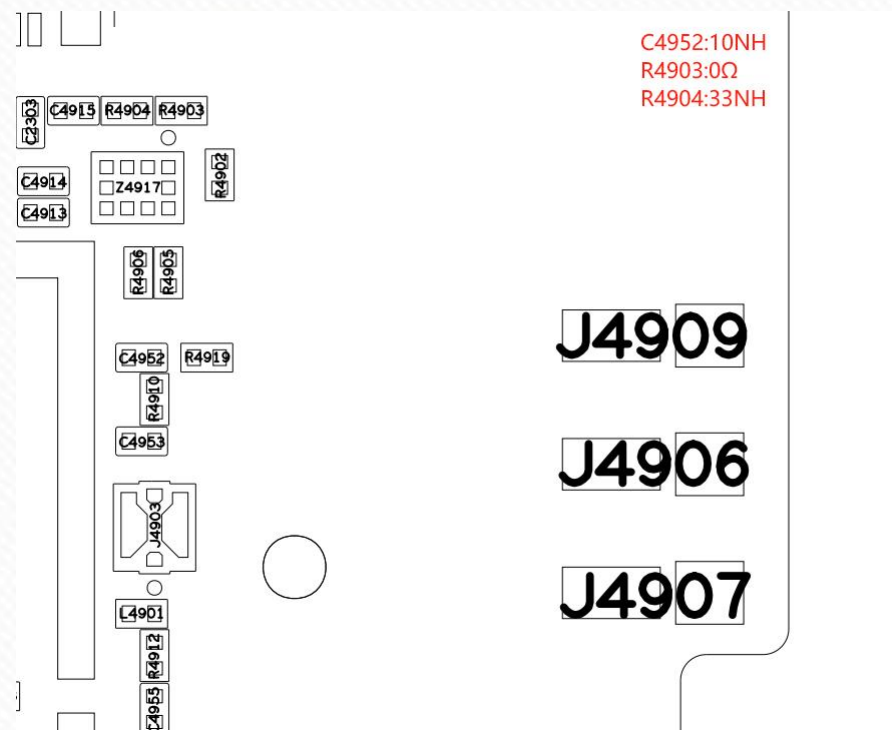


Antenna Data Sheet

Model Name : U40

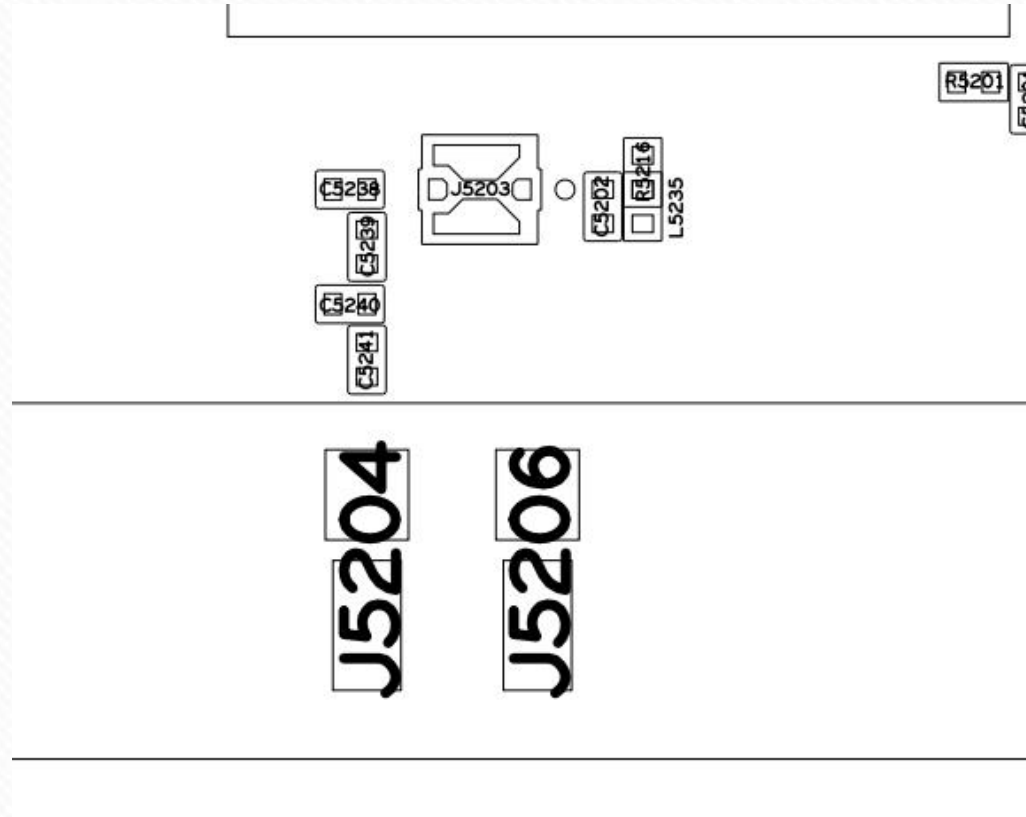
		Sample
Product type	mifi	Reference to external photos
Quantity	5PCS	
Frequency		
	3G:B1/2/3/4/5/6/8/9/19	
	4G:FDD B1/2/3/4/5/7/8/9/12/13/17/18/19/20/25/26/28/66 TDD:B34/38/39/40/41	
	WIFI 2.4/5.8g	
Structural style	FPC	

Main LMB :



Main Switch Logic		
Switch	Matching parameter	Band
RF1	0 Ω	WCDMA:B1/2/3/4/5/6/8/9/19 LTE:B1/2/3/4/5/8/ 18/19/20/25/26/66/ FDD 34/39
RF2	33nh	LTE:B12/13/17/28
RF3	0 Ω	
RF4	0 Ω	

WIFI Antenna :



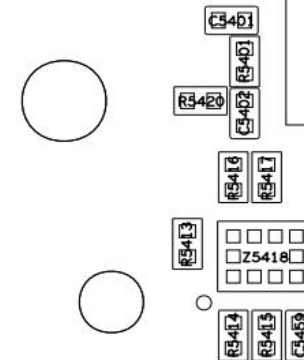
DIV LMB :

C5402:10NH
R5414:0Ω
R5415:22NH

J5402

J5404

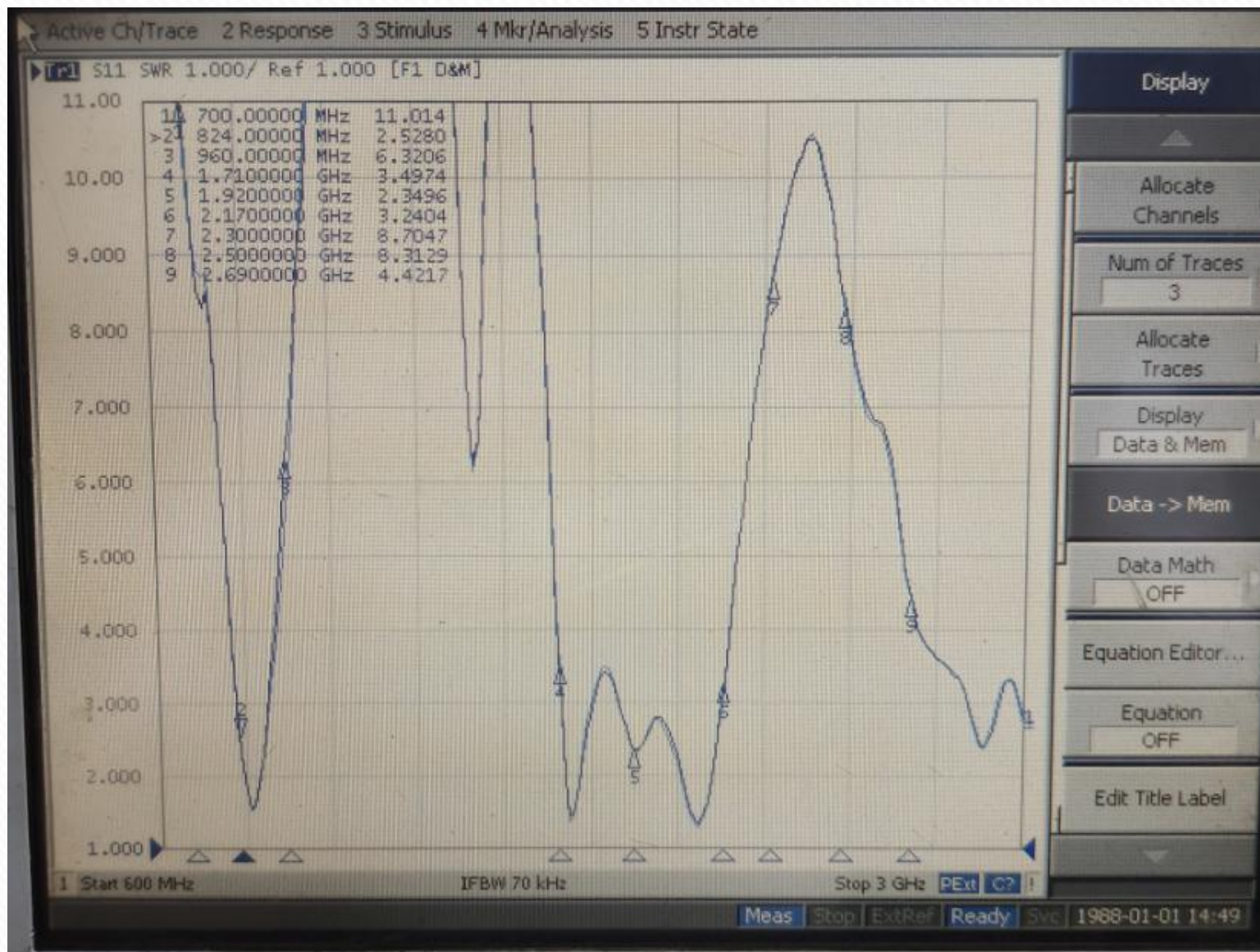
J5410



DIV Switch logic		
Switch	Matching parameter	Band
RF1	0 Ω	WCDMA:B1/2/3/4/5/6/8/9/19 LTE:B1/2/3/4/5/8/18/19/20/25/26/66/ FDD 34/39
RF2	22 Ω	LTE:B12/13/14/17/28
RF3	0 Ω	
RF4	0 Ω	

Main LMB:SWR

RF1



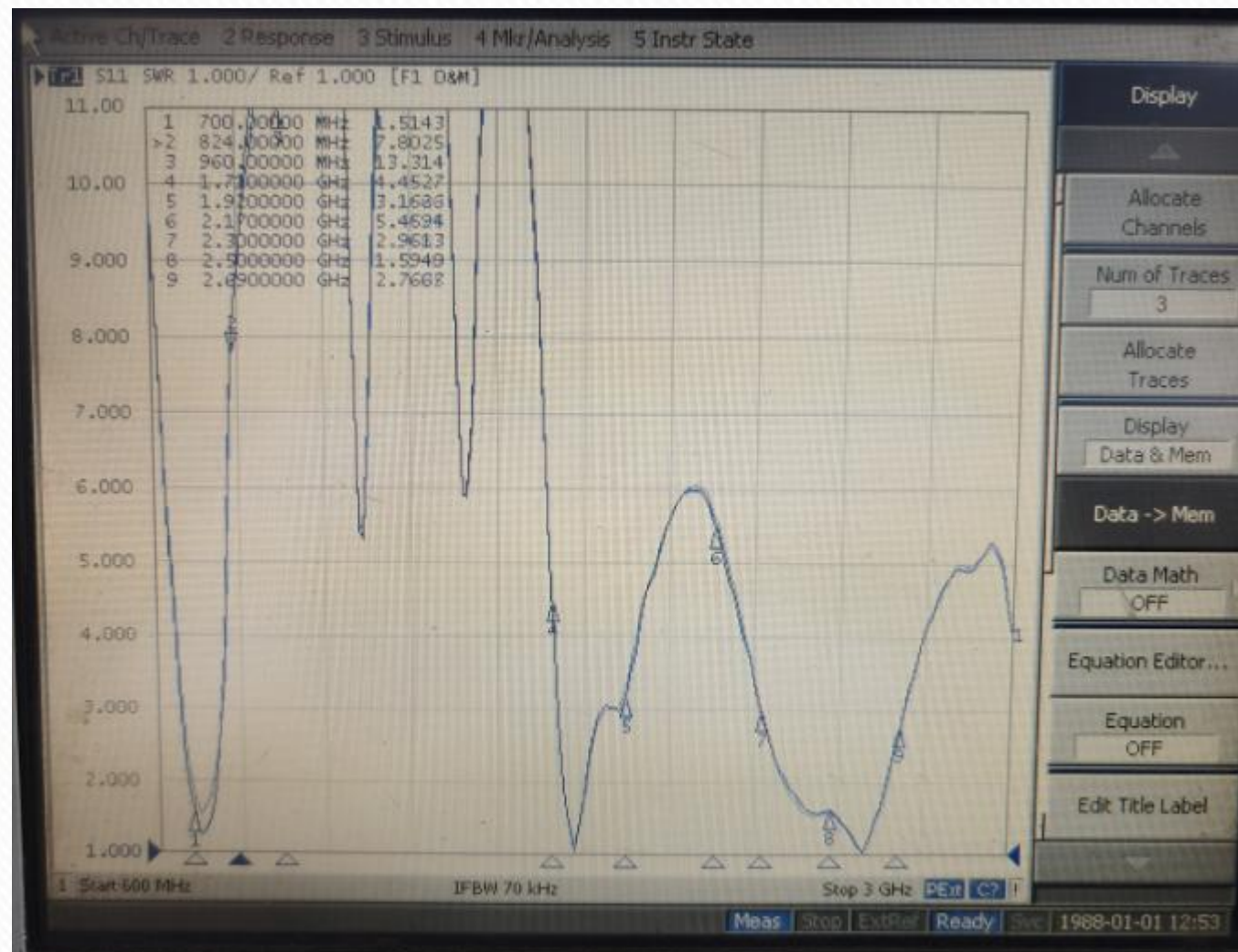
Main LMB Efficiency/Gain

RF1

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
700	-13.03	4.98	-9.48	1700	-7.7	16.98	-2.7
710	-12.02	6.28	-7.98	1710	-6.45	22.65	-1.67
720	-10.89	8.15	-6.92	1720	-5.38	28.97	-0.97
730	-10.3	9.33	-5.97	1730	-3.92	40.55	0.36
740	-10.34	9.25	-5.78	1740	-3.39	45.81	0.78
750	-10.97	8	-6.29	1750	-3.16	48.31	0.94
760	-12.61	5.48	-7.61	1760	-2.9	51.29	1.18
770	-12.72	5.35	-8.06	1770	-3.17	48.19	0.97
780	-10.61	8.69	-6.39	1780	-3.33	46.45	0.81
790	-8.58	13.87	-4.65	1790	-3.52	44.46	0.79
800	-7.1	19.5	-4.08	1800	-4.16	38.37	0.45
810	-6.02	25	-3.93	1810	-4.15	38.46	0.6
820	-5.08	31.05	-3.26	1820	-3.96	40.18	0.71
830	-3.89	40.83	-2.37	1830	-4.2	38.02	0.36
840	-2.93	50.93	-1.23	1840	-4.1	38.9	0.64
850	-2.37	57.94	-0.84	1850	-4.17	38.28	0.81
860	-2.25	59.57	-0.68	1860	-4.7	33.88	0.42
870	-2.09	61.8	-0.4	1870	-4.78	33.27	-0.05
880	-2.08	61.94	-0.07	1880	-4.42	36.14	0.14
890	-2.12	61.38	-0.11	1890	-4.87	32.58	-0.45
900	-2.49	56.36	-0.26	1900	-4.83	32.89	-0.14
910	-2.94	50.82	-0.17	1910	-4.77	33.34	0.03
920	-3.39	45.81	0.06	1920	-5.13	30.69	0.17
930	-4.18	38.19	-0.08	1930	-5.23	29.99	-0.35
940	-4.94	32.06	-0.63	1940	-5.03	31.41	-0.15
950	-5.49	28.25	-1.38	1950	-5.4	28.84	-0.94
960	-5.98	25.23	-2.47	1960	-5.45	28.51	-0.82
				1970	-5.52	28.05	-1.31
				1980	-6.03	24.95	-1.46
				1990	-5.85	26	-1.77
				2000	-5.64	27.29	-1.5
				2010	-5.78	26.42	-0.94
				2020	-5.63	27.35	-1
				2030	-5.16	30.48	0.1
				2040	-5.08	31.05	0.55
				2050	-5.03	31.41	1.3
				2060	-4.64	34.36	2.48
				2070	-4.44	35.97	2.47
				2080	-4.24	37.67	2.33
				2090	-3.87	41.02	2.36
				2100	-3.64	43.25	1.89

Main LMB:SWR

RF2

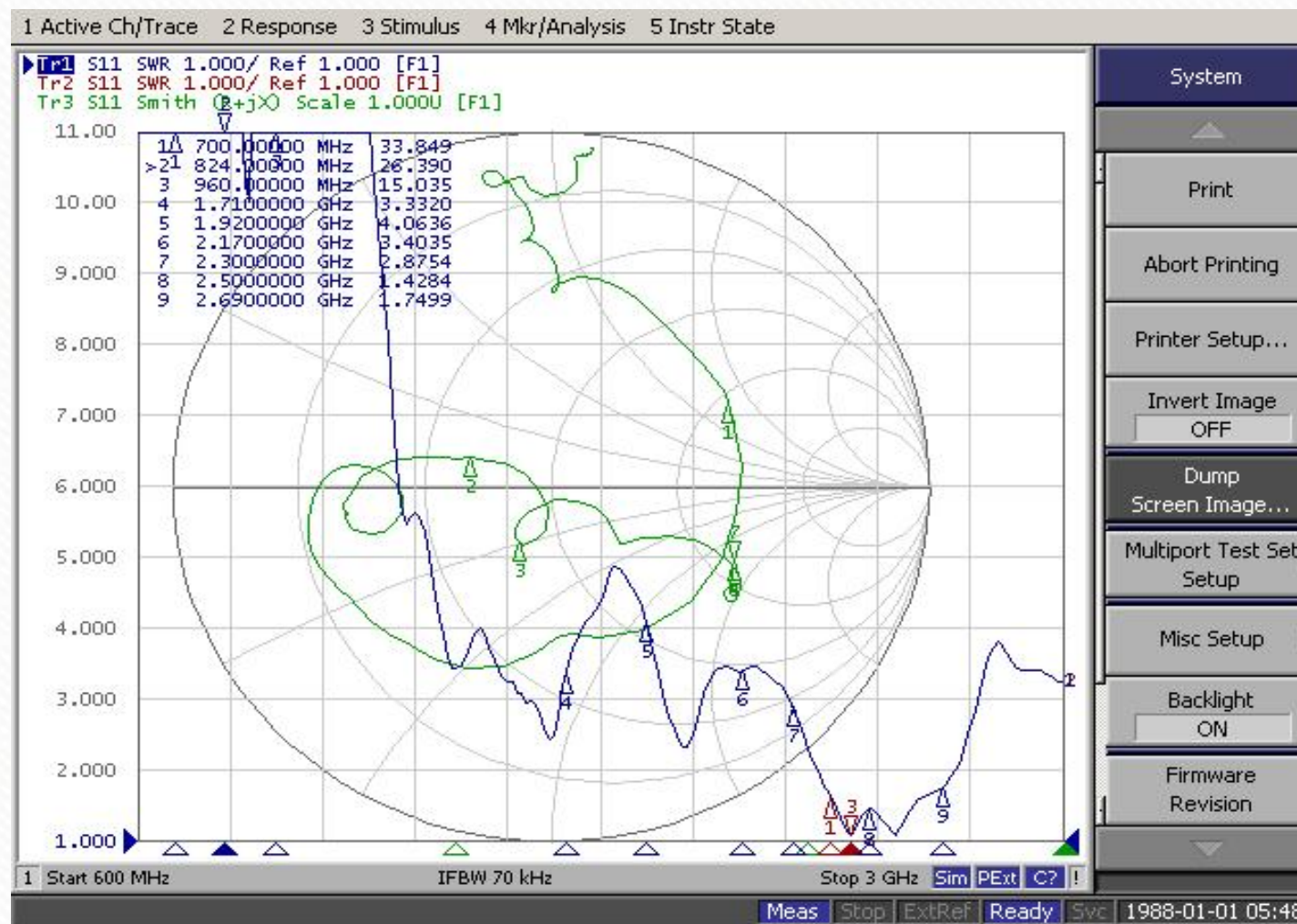


Main LMB : Efficiency/Gain

RF2

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
700	-5.45	28.51	-2.19
710	-4.85	32.73	-1.29
720	-4.49	35.56	-1.11
730	-4.2	38.02	-0.59
740	-3.73	42.36	-0.36
750	-3.43	45.39	-0.11
760	-3.88	40.93	-0.79
770	-5.2	30.2	-2.5
780	-6.55	22.13	-3.42
790	-6.65	21.63	-3.46
800	-5.98	25.23	-3.49
810	-5.71	26.85	-3.55
820	-6	25.12	-3.82
830	-5.88	25.82	-3.69
840	-5.5	28.18	-3.2
850	-5.55	27.86	-3.55
860	-5.56	27.8	-3.4
870	-5.04	31.33	-2.86
880	-4.88	32.51	-2.4
890	-5.34	29.24	-2.89
900	-5.71	26.85	-3.21
910	-6.19	24.04	-3.25
920	-6.96	20.14	-3.4
930	-7.5	17.78	-3.35
940	-8.28	14.86	-3.9
950	-9.29	11.78	-4.91
960	-10.04	9.91	-5.93

Main HB : SWR

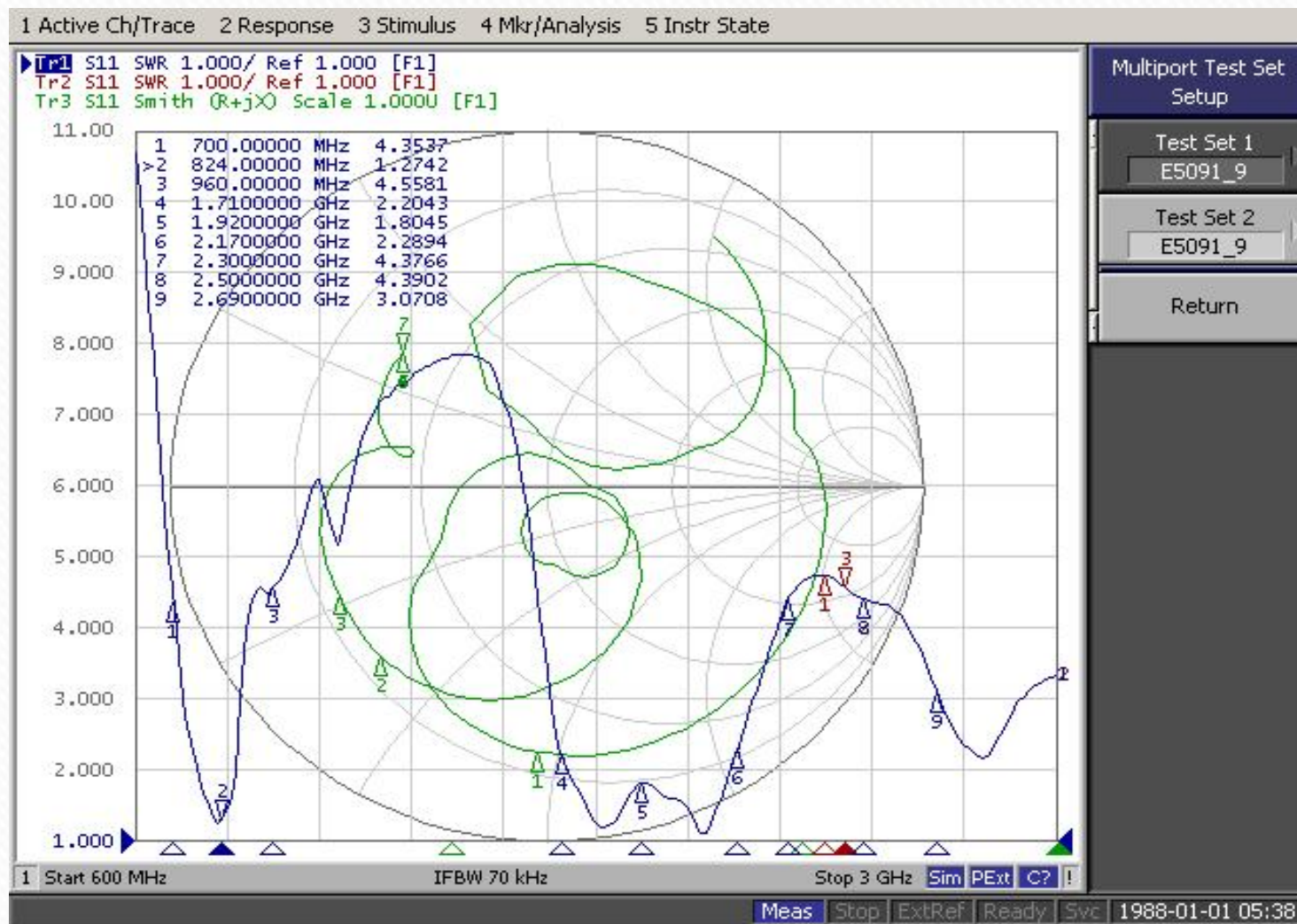


Main HB : Efficiency/Gain

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2000	-4.28	37.33	-1.77	2300	-3.77	41.98	0.94
2020	-4.49	35.56	-1.89	2320	-3.62	43.45	0.74
2040	-4.6	34.67	-1.26	2340	-3.11	48.87	1.02
2060	-5.14	30.62	-0.29	2360	-3.07	49.32	1.16
2080	-4.76	33.42	-0.14	2380	-3.48	44.87	0.91
2100	-4.27	37.41	-0.02	2400	-3.63	43.35	0.84
2120	-4.07	39.17	-0.09	2420	-4.21	37.93	0.38
2140	-4.14	38.55	-0.51	2440	-3.92	40.55	0.97
2160	-4.05	39.36	-0.68	2460	-3.57	43.95	1.55
2180	-4.11	38.82	-0.78	2480	-3.54	44.26	2.19
2200	-3.87	41.02	-0.21	2500	-3.76	42.07	2.29
2220	-4.21	37.93	-0.17	2520	-3.22	47.64	2.77
2240	-4.41	36.22	0.08	2540	-3.19	47.97	2.36
2260	-4.13	38.64	0.75	2560	-3.27	47.1	1.99
2280	-3.92	40.55	0.97	2580	-3.44	45.29	2.03
2300	-3.77	41.98	0.94	2600	-3.83	41.4	1.54
				2620	-3.5	44.67	2.03
				2640	-3.41	45.6	2.21
				2660	-3.53	44.36	2.68
				2680	-3.39	45.81	2.72
				2700	-3.29	46.88	2.79

DIV LMB:SWR

RF1

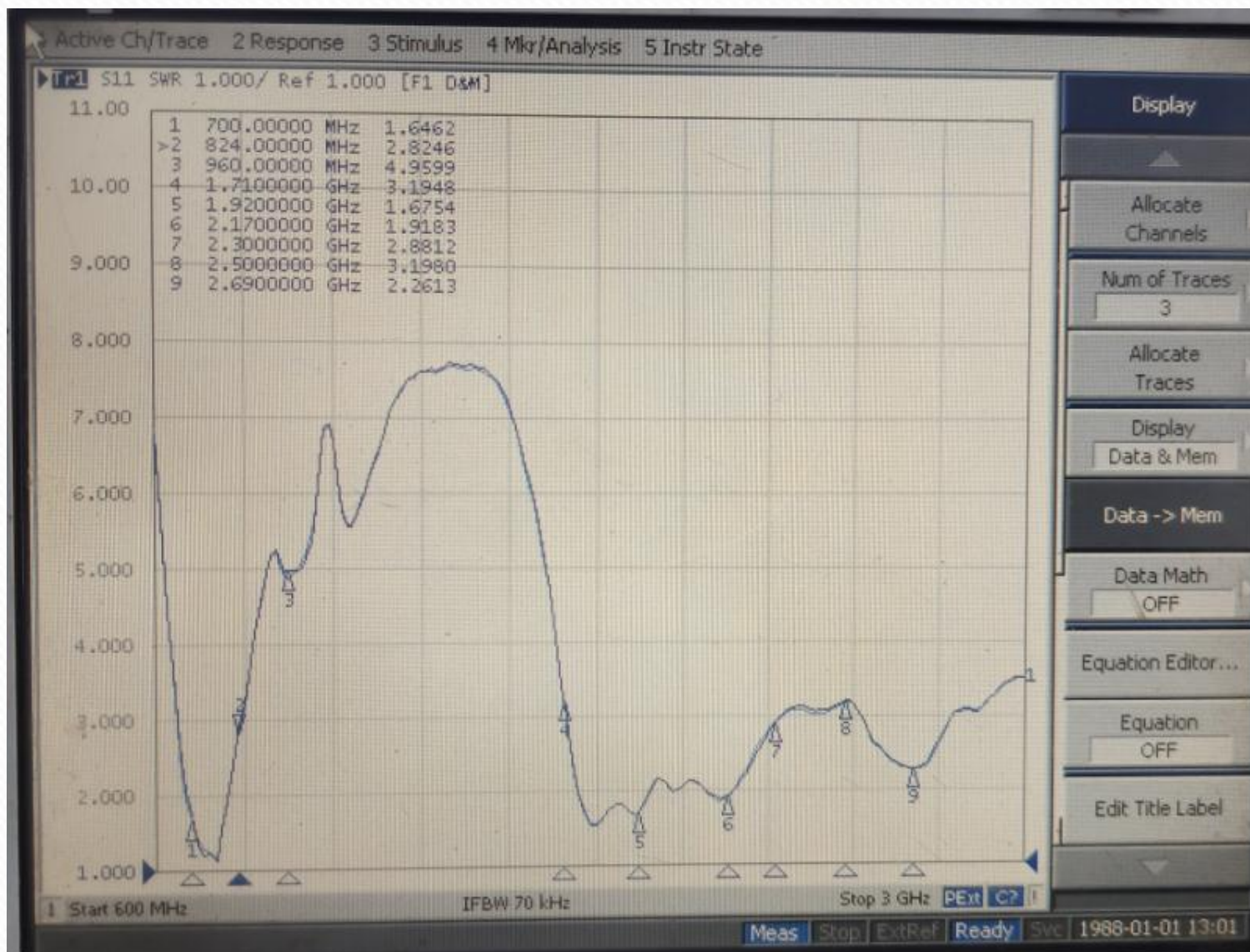


DIV LMB:Efficiency/Gain RF1

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
700	-13.03	4.98	-9.48	1700	-7.7	16.98	-2.7
710	-12.02	6.28	-7.98	1710	-6.45	22.65	-1.67
720	-10.89	8.15	-6.92	1720	-5.38	28.97	-0.97
730	-10.3	9.33	-5.97	1730	-3.92	40.55	0.36
740	-10.34	9.25	-5.78	1740	-3.39	45.81	0.78
750	-10.97	8	-6.29	1750	-3.16	48.31	0.94
760	-12.61	5.48	-7.61	1760	-2.9	51.29	1.18
770	-12.72	5.35	-8.06	1770	-3.17	48.19	0.97
780	-10.61	8.69	-6.39	1780	-3.33	46.45	0.81
790	-8.58	13.87	-4.65	1790	-3.52	44.46	0.79
800	-7.1	19.5	-4.08	1800	-4.16	38.37	0.45
810	-6.02	25	-3.93	1810	-4.15	38.46	0.6
820	-5.08	31.05	-3.26	1820	-3.96	40.18	0.71
830	-3.89	40.83	-2.37	1830	-4.2	38.02	0.36
840	-2.93	50.93	-1.23	1840	-4.1	38.9	0.64
850	-2.37	57.94	-0.84	1850	-4.17	38.28	0.81
860	-2.25	59.57	-0.68	1860	-4.7	33.88	0.42
870	-2.09	61.8	-0.4	1870	-4.78	33.27	-0.05
880	-2.08	61.94	-0.07	1880	-4.42	36.14	0.14
890	-2.12	61.38	-0.11	1890	-4.87	32.58	-0.45
900	-2.49	56.36	-0.26	1900	-4.83	32.89	-0.14
910	-2.94	50.82	-0.17	1910	-4.77	33.34	0.03
920	-3.39	45.81	0.06	1920	-5.13	30.69	0.17
930	-4.18	38.19	-0.08	1930	-5.23	29.99	-0.35
940	-4.94	32.06	-0.63	1940	-5.03	31.41	-0.15
950	-5.49	28.25	-1.38	1950	-5.4	28.84	-0.94
960	-5.98	25.23	-2.47	1960	-5.45	28.51	-0.82
				1970	-5.52	28.05	-1.31
				1980	-6.03	24.95	-1.46
				1990	-5.85	26	-1.77
				2000	-5.64	27.29	-1.5
				2010	-5.78	26.42	-0.94
				2020	-5.63	27.35	-1
				2030	-5.16	30.48	0.1
				2040	-5.08	31.05	0.55
				2050	-5.03	31.41	1.3
				2060	-4.64	34.36	2.48
				2070	-4.44	35.97	2.47
				2080	-4.24	37.67	2.33
				2090	-3.87	41.02	2.36
				2100	-3.64	43.25	1.89

DIV LMB : SWR

RF2

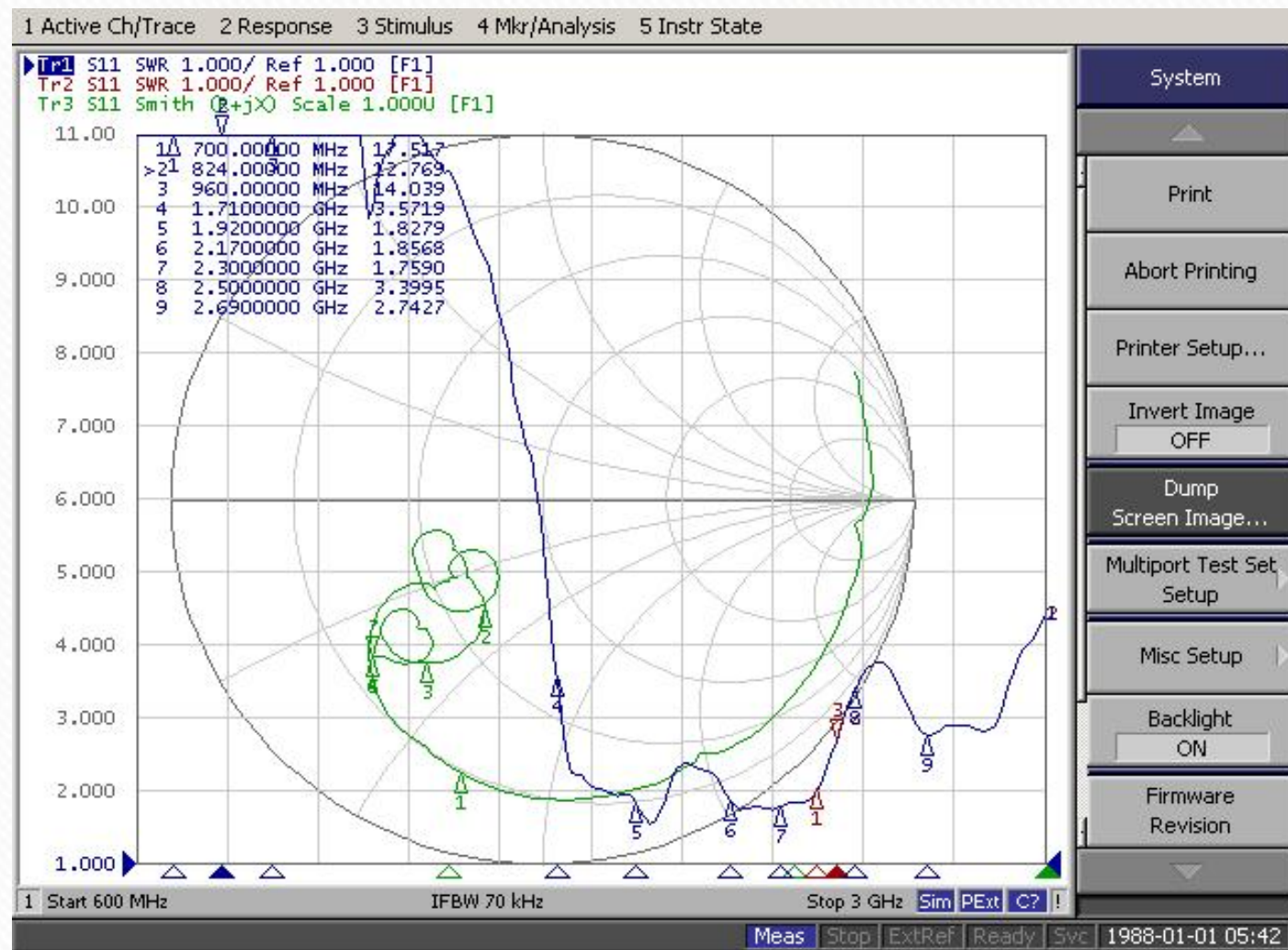


DIV LMB:Efficiency/Gain

RF2

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
700	-5.28	29.65	-2.2
710	-4.72	33.73	-1.11
720	-4.32	36.98	-0.73
730	-4.08	39.08	-0.16
740	-3.61	43.55	0.09
750	-3.36	46.13	0.06
760	-3.82	41.5	-0.82
770	-5.16	30.48	-1.84
780	-6.47	22.54	-1.99
790	-6.57	22.03	-1.77
800	-5.92	25.59	-1.97
810	-5.61	27.48	-2.65
820	-5.88	25.82	-3.45
830	-5.68	27.04	-3.65
840	-5.3	29.51	-3.27
850	-5.3	29.51	-3.67
860	-5.37	29.04	-3.67
870	-4.92	32.21	-3.16
880	-5.02	31.48	-2.84
890	-5.93	25.53	-3.63
900	-7.09	19.54	-4.53
910	-8.18	15.21	-5.34
920	-8.87	12.97	-5.44
930	-8.66	13.61	-4.49
940	-8.48	14.19	-3.95
950	-8.59	13.84	-4.12
960	-8.63	13.71	-4.65

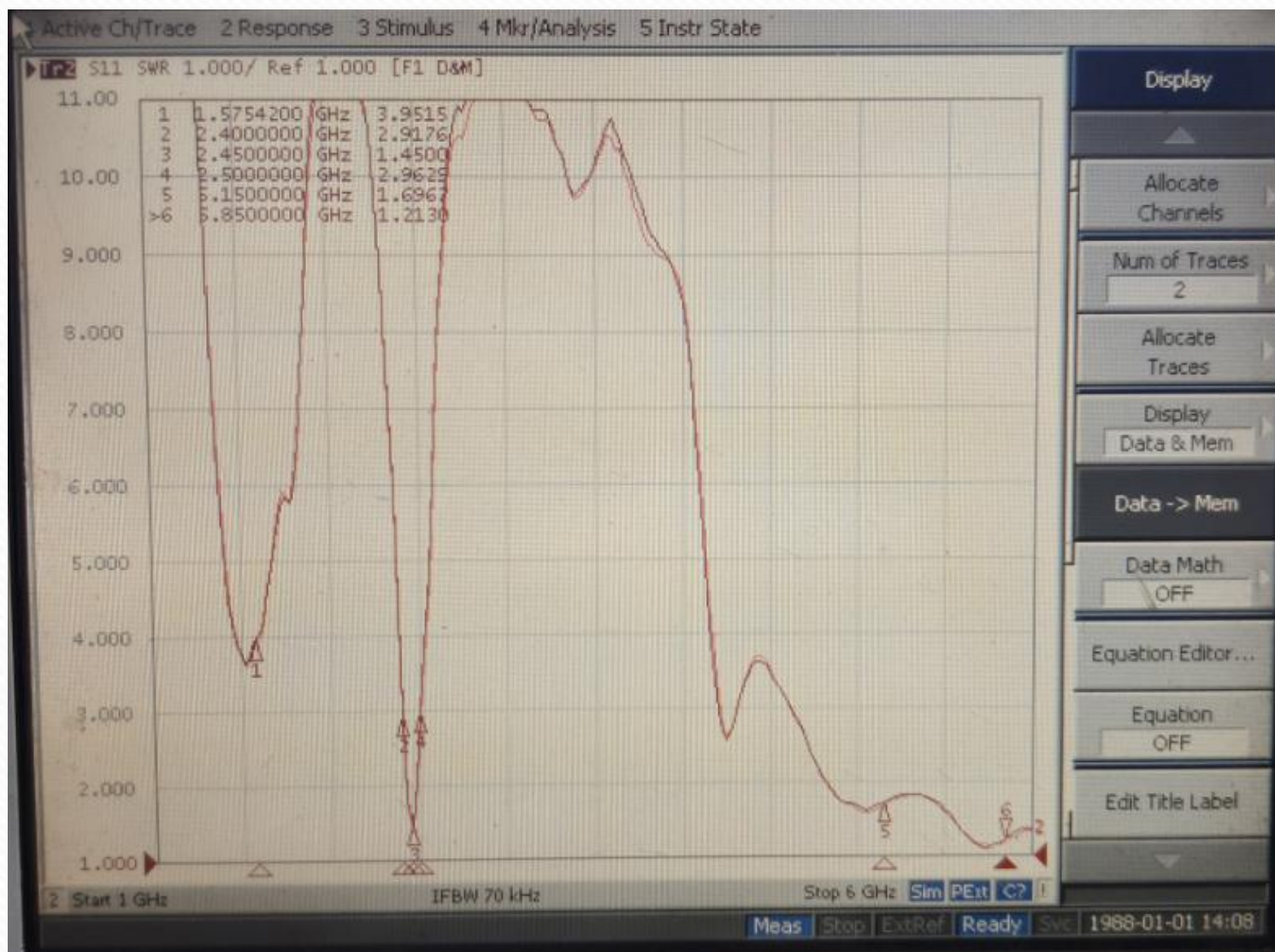
DIV HB:SWR



DIV HB:Efficiency/Gain

Frequency/MHz	Efficiency / dB	Efficiency / %	MaxGain/dBi	Frequency/MHz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2000	-4.99	31.7	-2.78	2300	-3.17	48.19	1.9
2020	-5.19	30.27	-3.54	2320	-3.56	44.06	1.2
2040	-5.2	30.2	-2.87	2340	-3.42	45.5	1.17
2060	-5.67	27.1	-1.71	2360	-3.67	42.95	1.02
2080	-5.42	28.71	-1.62	2380	-4.77	33.34	-0.29
2100	-4.63	34.43	-0.58	2400	-5.5	28.18	-1.35
2120	-4.07	39.17	-0.02	2420	-6.4	22.91	-2.35
2140	-3.9	40.74	0.13	2440	-6.54	22.18	-2.22
2160	-3.69	42.76	0.65	2460	-6.01	25.06	-1.38
2180	-3.47	44.98	1.12	2480	-5.85	26	-0.8
2200	-3.26	47.21	1.63	2500	-5.97	25.29	-0.83
2220	-3.64	43.25	1.11	2520	-5.49	28.25	0.26
2240	-3.88	40.93	0.82	2540	-5.77	26.49	0
2260	-3.62	43.45	1.21	2560	-6.29	23.5	-0.94
2280	-3.2	47.86	1.77	2580	-6.32	23.33	-1.21
				2600	-6.49	22.44	-1.55
				2620	-5.88	25.82	-0.78
				2640	-5.18	30.34	0.08
				2660	-5.07	31.12	1.05
				2680	-4.93	32.14	1.58
				2700	-4.67	34.12	2.06

WIFI:SWR



WIFI:SWR

Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi	Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
1570	-8.17	15.24	-2.36	2400	-7.32	18.54	-3.27	5150	-3.43	45.39	3.03
1571	-8.17	15.24	-2.36	2410	-6.97	20.09	-2	5200	-3.52	44.46	3.08
1572	-8.15	15.31	-2.37	2420	-6.83	20.75	-2.3	5250	-3.57	43.95	3.22
1573	-8.12	15.42	-2.38	2430	-6.21	23.93	-0.88	5300	-3.52	44.46	2.98
1574	-8.08	15.56	-2.41	2440	-5.81	26.24	-0.63	5350	-3.58	43.85	2.86
1575	-8.06	15.63	-2.44	2450	-5.36	29.11	0.65	5400	-3.6	43.65	2.7
1576	-8.05	15.67	-2.46	2460	-5.34	29.24	0.24	5450	-3.21	47.75	3
1577	-8.07	15.6	-2.47	2470	-5.29	29.58	0.92	5500	-3.54	44.26	1.98
1578	-8.1	15.49	-2.49	2480	-5.39	28.91	0.42	5550	-3.16	48.31	2.43
1579	-8.14	15.35	-2.48	2490	-5.65	27.23	0.62	5600	-3.18	48.08	2.11
1580	-8.16	15.28	-2.44	2500	-6.05	24.83	-0.17	5650	-2.94	50.82	2.34
								5700	-2.76	52.97	2.75
								5750	-2.8	52.48	2.96
								5800	-2.77	52.84	2.73
								5850	-3.03	49.77	2.84