



Appendix A: Transmitter Output Power



1 Result Table

1.1 Channel Power, Total

NOTE 1: If applicable, the EIRP [W] = $10^{((\text{Channel Power [dBm]} + \text{Antenna Gain [dBi]}) / 10 - 3)}$, and the ERP [W] = EIRP [W] / 1.64.

NOTE 2: When the EUT is put into service, the practical maximum antenna gain may exceed the value as below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

EUT Conf.	Output Power [dBm]	Verdict
1U_TM1_B_Band2	46.13	Pass
1U_TM1_M_Band2	46.08	Pass
1U_TM1_T_Band2	46.08	Pass
NTC_4U_TM1_B_Band2	40.26	Pass
	40.19	Pass
	40.18	Pass
	40.19	Pass
NTC_4U_TM1_T_Band2	40.17	Pass
	40.16	Pass
	40.13	Pass
	40.07	Pass
1L5M_TM1_B_Band2	45.58	Pass
1L5M_TM1_M_Band2	45.53	Pass
1L5M_TM1_T_Band2	45.56	Pass
1L10M_TM1_B_Band2	45.6	Pass
1L10M_TM1_M_Band2	45.49	Pass
1L10M_TM1_T_Band2	45.48	Pass
1L15M_TM1_B_Band2	45.53	Pass
1L15M_TM1_M_Band2	45.43	Pass
1L15M_TM1_T_Band2	45.52	Pass
1L20M_TM1_B_Band2	45.61	Pass
1L20M_TM1_M_Band2	45.5	Pass
1L20M_TM1_T_Band2	45.52	Pass
NTC_4L_TM1_B_Band2	39.61	Pass
	39.5	Pass
	40.12	Pass
	40.15	Pass
NTC_4L_TM1_T_Band2	39.49	Pass
	39.45	Pass
	40.03	Pass
	40.02	Pass



EUT Conf.	Output Power [dBm]	Verdict
1U_TM1_B_Band4	45.46	Pass
1U_TM1_M_Band4	45.21	Pass
1U_TM1_T_Band4	45.67	Pass
4U_TM1_B_Band4	39.49	Pass
	40.11	Pass
	39.64	Pass
	39.73	Pass
4U_TM1_T_Band4	40.15	Pass
	40.37	Pass
	40.02	Pass
	39.59	Pass
1L5M_TM1_B_Band4	45.68	Pass
1L5M_TM1_M_Band4	45.82	Pass
1L5M_TM1_T_Band4	45.81	Pass
1L10M_TM1_B_Band4	45.76	Pass
1L10M_TM1_M_Band4	45.89	Pass
1L10M_TM1_T_Band4	45.87	Pass
1L15M_TM1_B_Band4	45.62	Pass
1L15M_TM1_M_Band4	45.82	Pass
1L15M_TM1_T_Band4	45.72	Pass
1L20M_TM1_B_Band4	45.72	Pass
1L20M_TM1_M_Band4	45.76	Pass
1L20M_TM1_T_Band4	45.74	Pass
NTC_4L_TM1_B_Band4	39.65	Pass
	39.62	Pass
	40.18	Pass
	40.2	Pass
NTC_4L_TM1_T_Band4	39.82	Pass
	39.77	Pass
	40.38	Pass
	40.36	Pass
NTC_2U2L_TM1_B_Band4	39.96	Pass
	40.26	Pass
	40.07	Pass
	40.11	Pass
NTC_2U2L_TM1_T_Band4	40.14	Pass
	40.06	Pass
	40.05	Pass
	39.66	Pass
1U_B_band2+1L_T_band4	43.32	Pass
	42.46	Pass
NTC_1U1L_B_band2+NTC_	40.31	Pass



EUT Conf.	Output Power [dBm]	Verdict
2L_T_band4		
	39.75	Pass
	39.5	Pass
	39.63	Pass
NTC_1U1L_B_band2+NTC_1U1L_T_band4	39.17	Pass
	39.96	Pass
	40.04	Pass
	39.63	Pass

1.2 Power Spectral Density

NOTE 1: If applicable, the EIRP [W/MHz] = $10^{((\text{Power Spectral Density [dBm/MHz]} + \text{Antenna Gain [dBi]}) / 10 - 3)}$, and the ERP [W/MHz] = EIRP [W/MHz] / 1.64.

NOTE 2: When the EUT is put into service, the practical maximum antenna gain may exceed the value as below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required ERP/EIRP limit.

EUT Conf.	Power Spectral Density [dBm/MHz]	Verdict
1U_TM1_B_Band2	40.57	Pass
1U_TM1_M_Band2	40.54	Pass
1U_TM1_T_Band2	40.54	Pass
1L5M_TM1_B_Band2	39.39	Pass
1L5M_TM1_M_Band2	39.24	Pass
1L5M_TM1_T_Band2	39.32	Pass
1L10M_TM1_B_Band2	36.47	Pass
1L10M_TM1_M_Band2	36.35	Pass
1L10M_TM1_T_Band2	36.45	Pass
1L15M_TM1_B_Band2	34.72	Pass
1L15M_TM1_M_Band2	34.54	Pass
1L15M_TM1_T_Band2	34.79	Pass
1L20M_TM1_B_Band2	33.54	Pass
1L20M_TM1_M_Band2	33.39	Pass
1L20M_TM1_T_Band2	33.5	Pass
1U_TM1_B_Band4	39.94	Pass
1U_TM1_M_Band4	39.21	Pass
1U_TM1_T_Band4	39.71	Pass
1L5M_TM1_B_Band4	39.27	Pass
1L5M_TM1_M_Band4	39.53	Pass
1L5M_TM1_T_Band4	39.56	Pass
1L10M_TM1_B_Band4	36.63	Pass
1L10M_TM1_M_Band4	36.76	Pass



EUT Conf.	Power Spectral Density [dBm/MHz]	Verdict
1L10M_TM1_T_Band4	36.71	Pass
1L15M_TM1_B_Band4	34.86	Pass
1L15M_TM1_M_Band4	34.84	Pass
1L15M_TM1_T_Band4	34.77	Pass
1L20M_TM1_B_Band4	33.61	Pass
1L20M_TM1_M_Band4	33.59	Pass
1L20M_TM1_T_Band4	33.53	Pass

1.3 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio@0.1% [dB]	Verdict
1U_TM1_B_Band2	6.89	Pass
1U_TM1_M_Band2	6.90	Pass
1U_TM1_T_Band2	6.89	Pass
1L5M_TM1_B_Band2	7.43	Pass
1L5M_TM1_M_Band2	7.43	Pass
1L5M_TM1_T_Band2	7.44	Pass
1L10M_TM1_B_Band2	7.79	Pass
1L10M_TM1_M_Band2	7.74	Pass
1L10M_TM1_T_Band2	7.77	Pass
1L15M_TM1_B_Band2	7.92	Pass
1L15M_TM1_M_Band2	7.81	Pass
1L15M_TM1_T_Band2	7.89	Pass
1L20M_TM1_B_Band2	7.93	Pass
1L20M_TM1_M_Band2	7.76	Pass
1L20M_TM1_T_Band2	7.85	Pass
1U_TM1_B_Band4	7.06	Pass
1U_TM1_M_Band4	6.86	Pass
1U_TM1_T_Band4	7.08	Pass
1L5M_TM1_B_Band4	7.43	Pass
1L5M_TM1_M_Band4	7.43	Pass
1L5M_TM1_T_Band4	7.42	Pass
1L10M_TM1_B_Band4	7.77	Pass
1L10M_TM1_M_Band4	7.73	Pass
1L10M_TM1_T_Band4	7.76	Pass
1L15M_TM1_B_Band4	7.86	Pass
1L15M_TM1_M_Band4	7.81	Pass
1L15M_TM1_T_Band4	7.86	Pass
1L20M_TM1_B_Band4	7.83	Pass
1L20M_TM1_M_Band4	7.76	Pass
1L20M_TM1_T_Band4	7.81	Pass

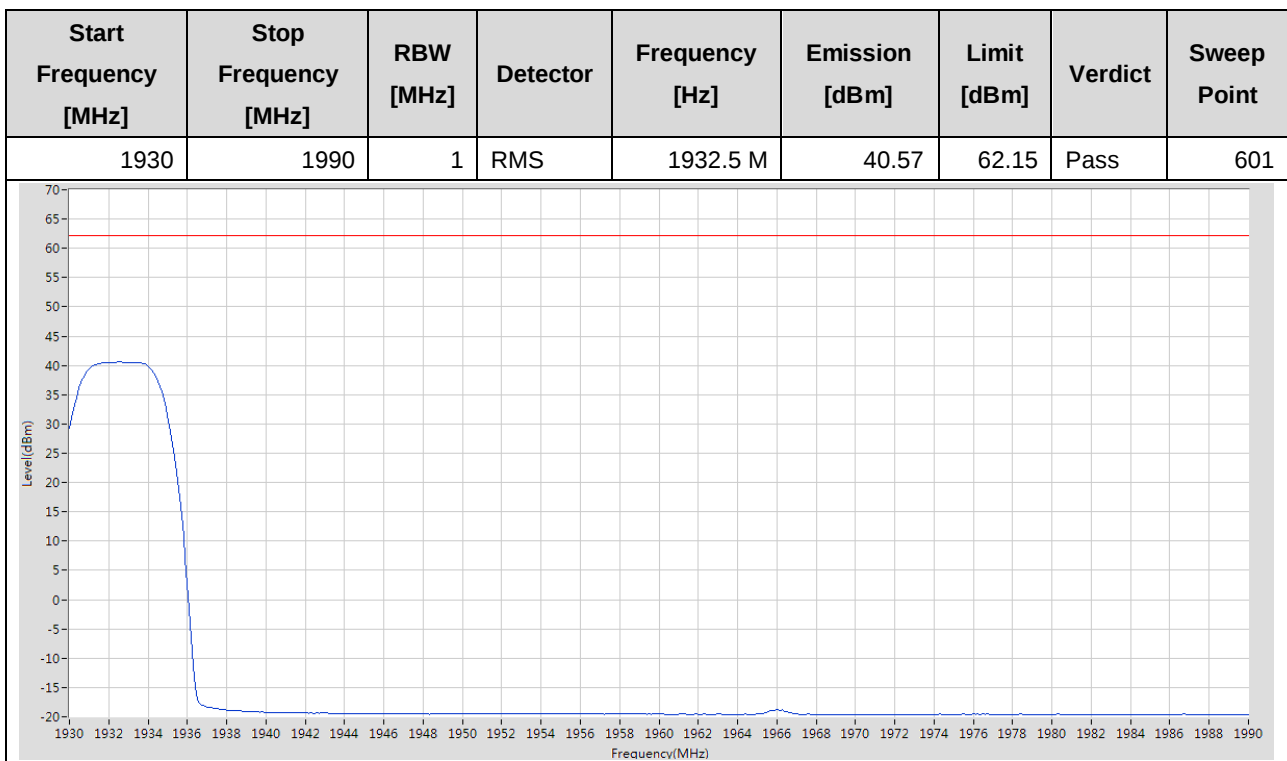


2 Test Plot

NOTE: Only the test plots for the measurements of Spectral Density and Peak-to-Average Ratio are supplied.

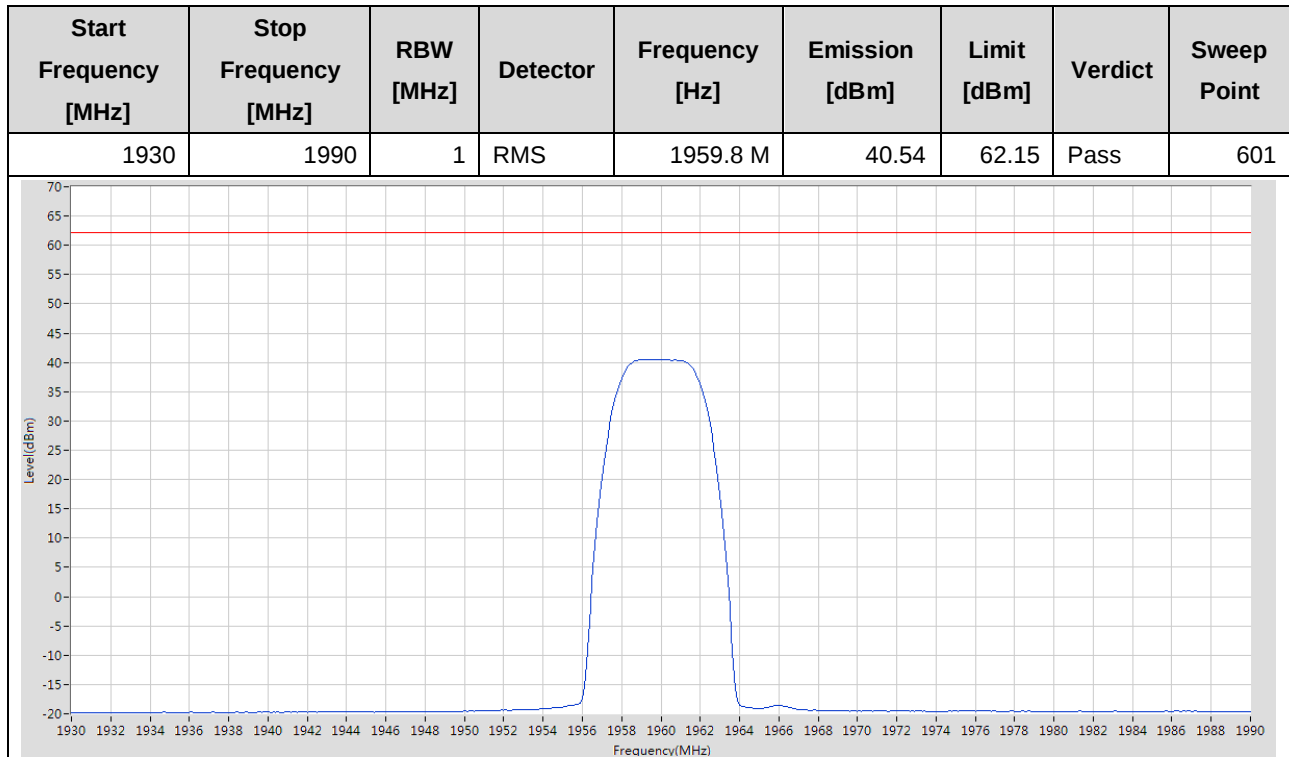
2.1 Power Spectral Density

2.1.1 1U_TM1_B_Band2



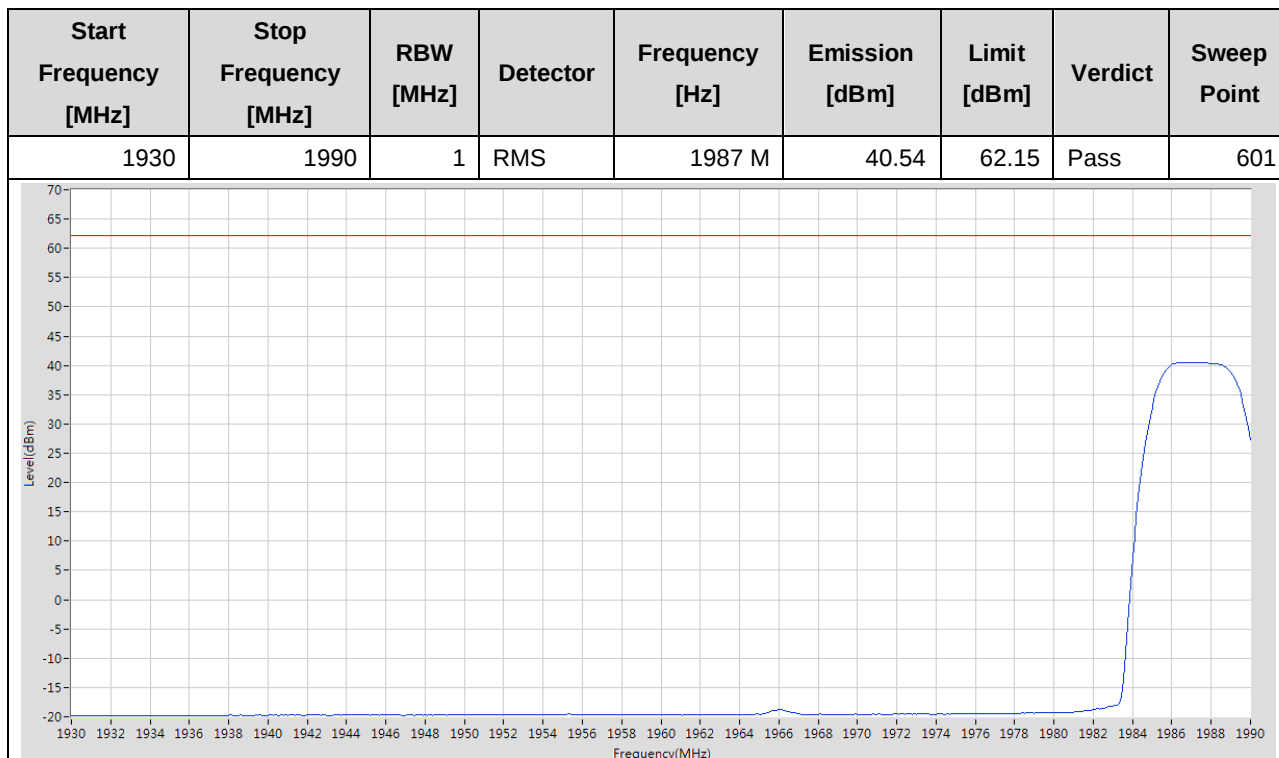


2.1.2 1U_TM1_M_Band2



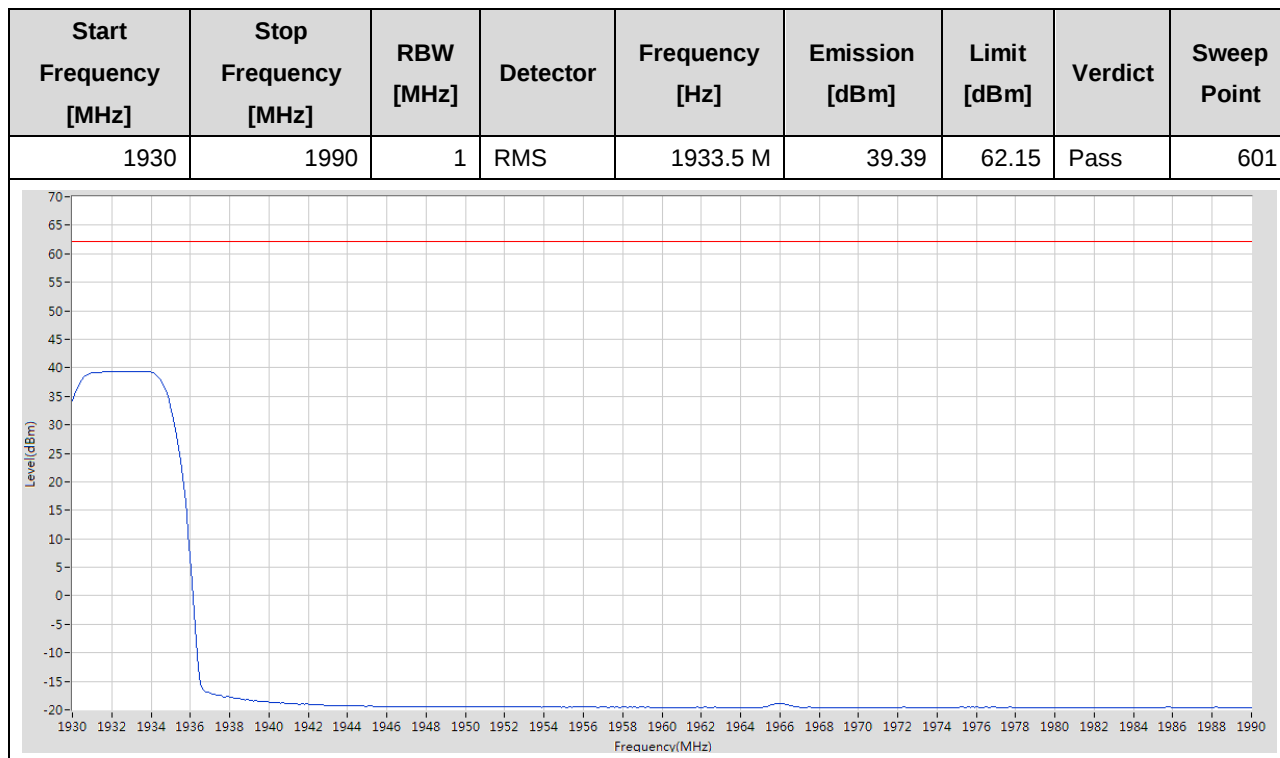


2.1.3 1U_TM1_T_Band2



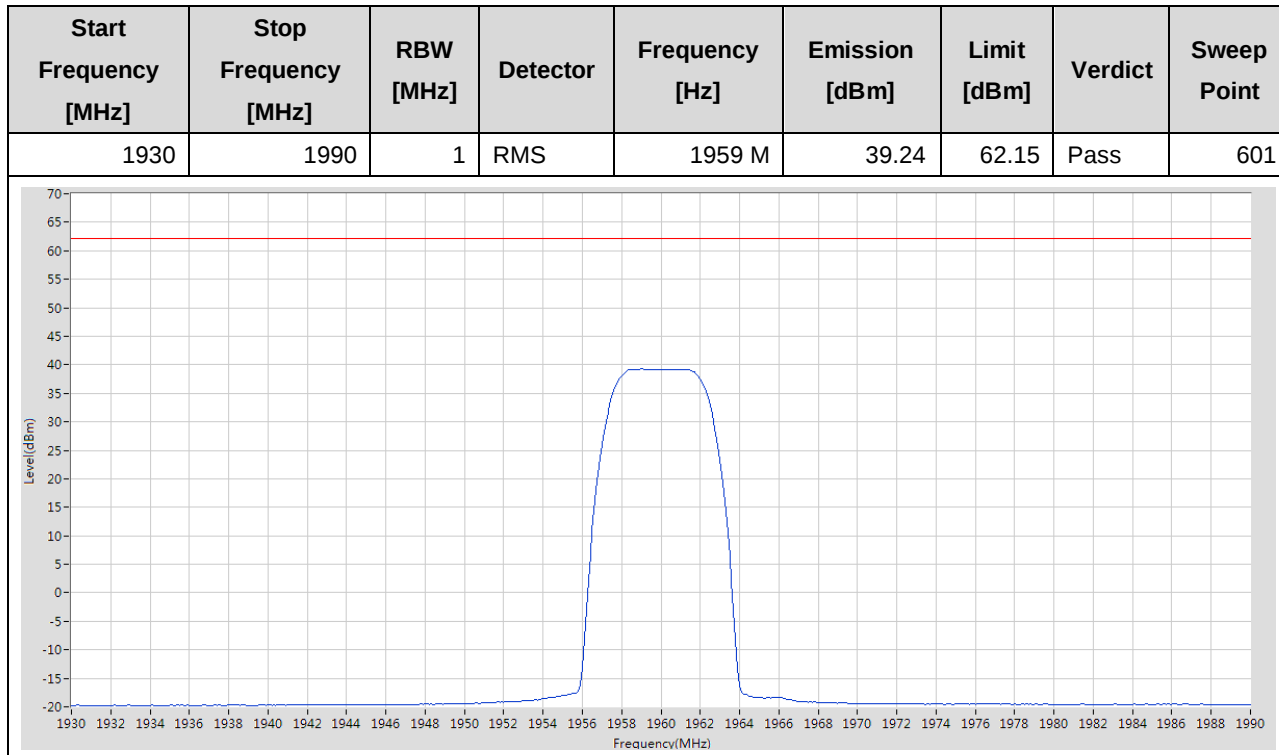


2.1.4 1L5M_TM1_B_Band2



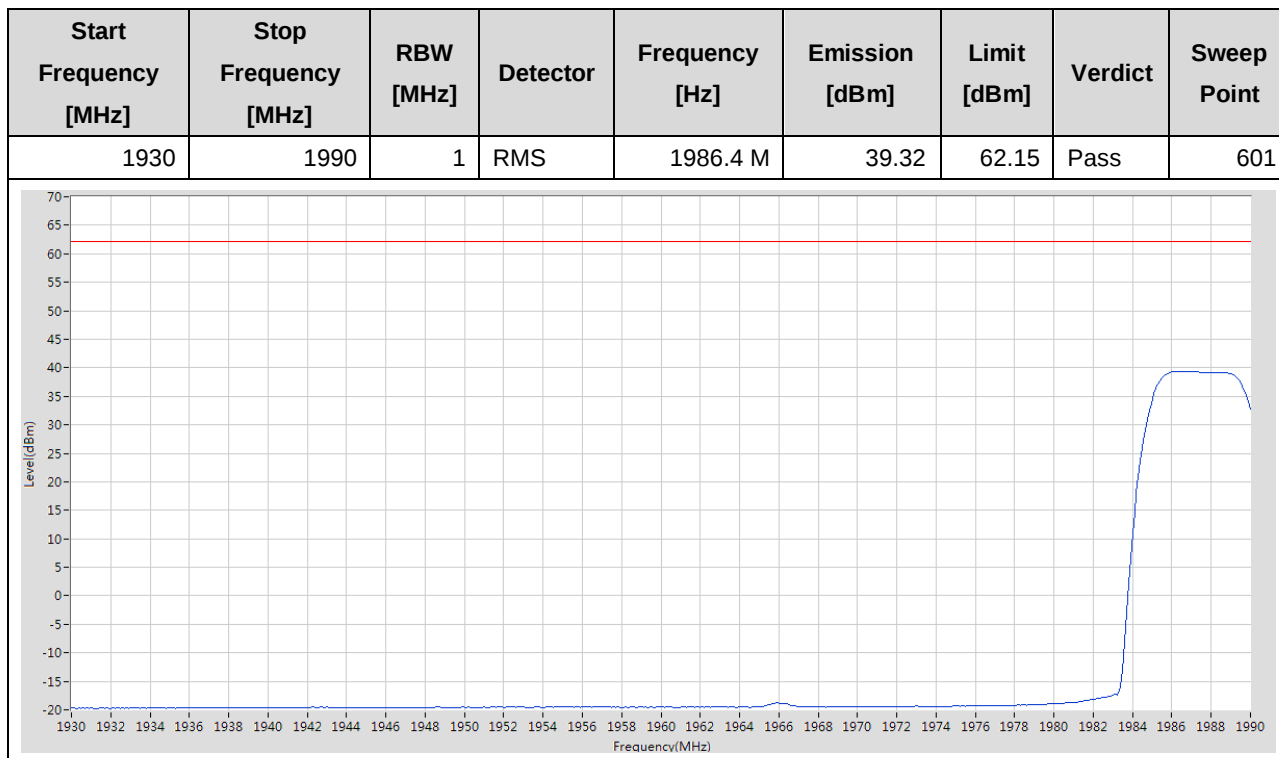


2.1.5 1L5M_TM1_M_Band2



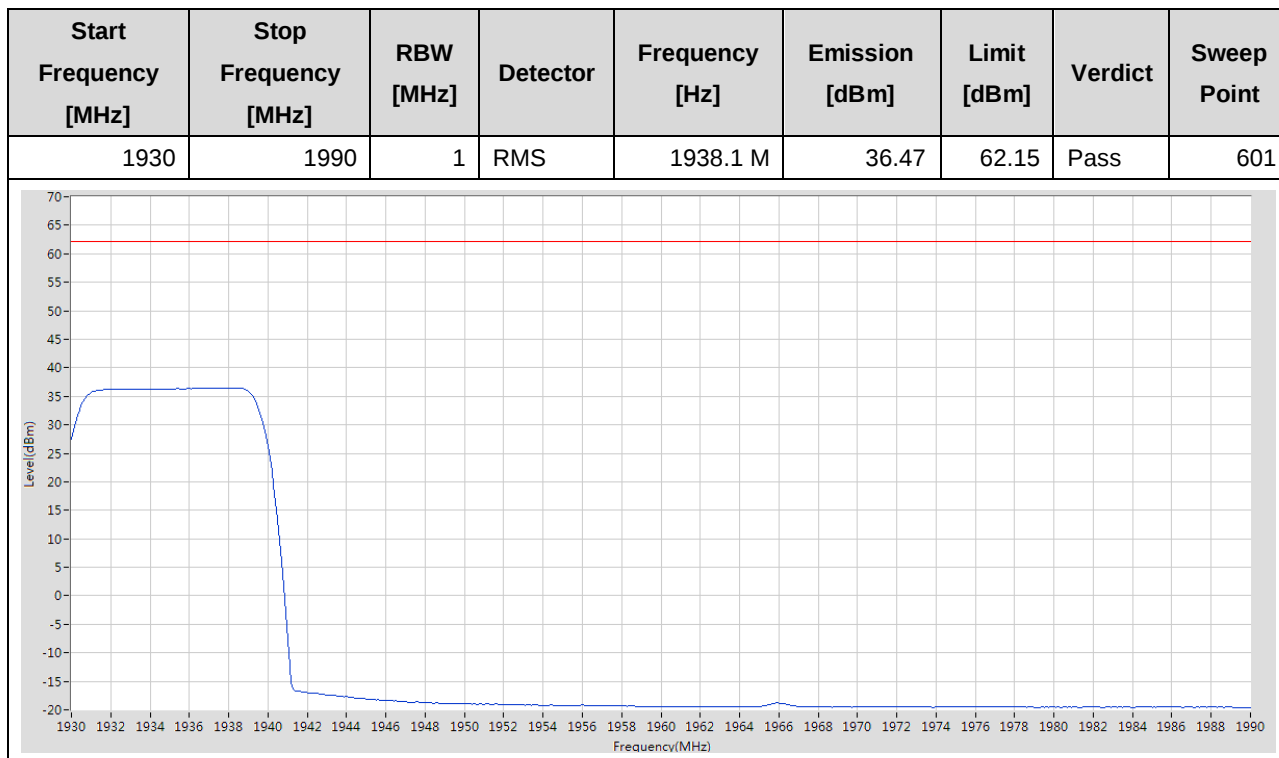


2.1.6 1L5M_TM1_T_Band2



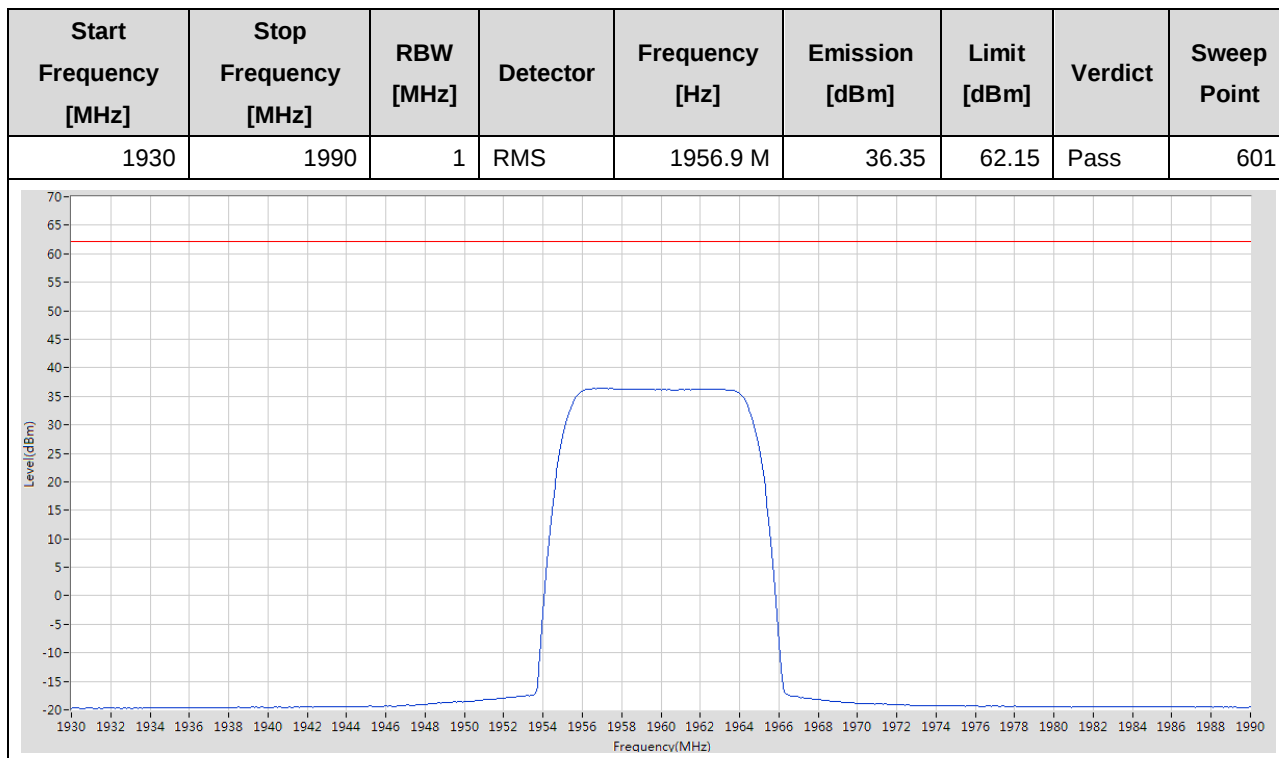


2.1.7 1L10M_TM1_B_Band2



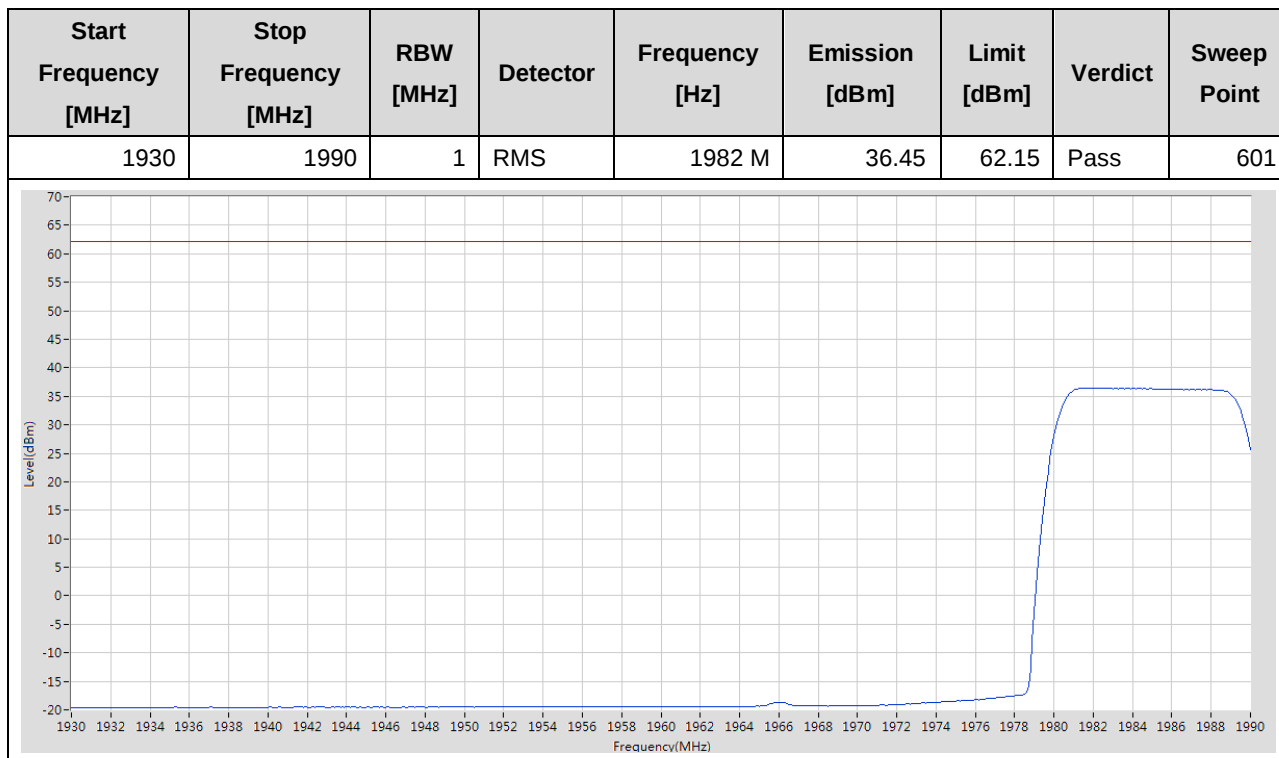


2.1.8 1L10M_TM1_M_Band2





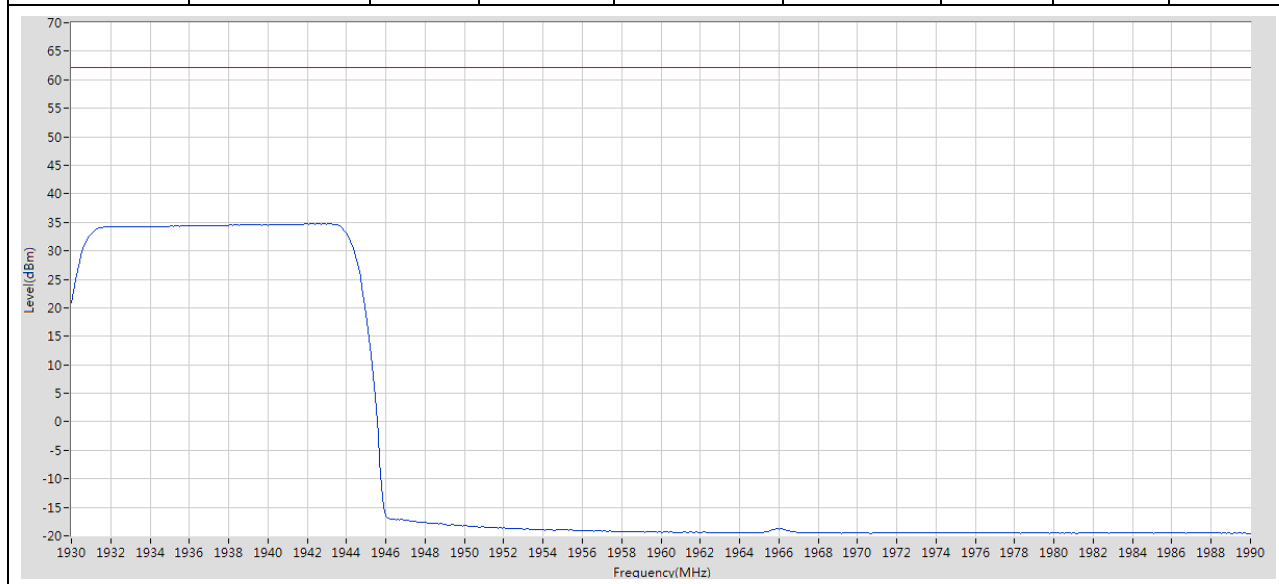
2.1.9 1L10M_TM1_T_Band2





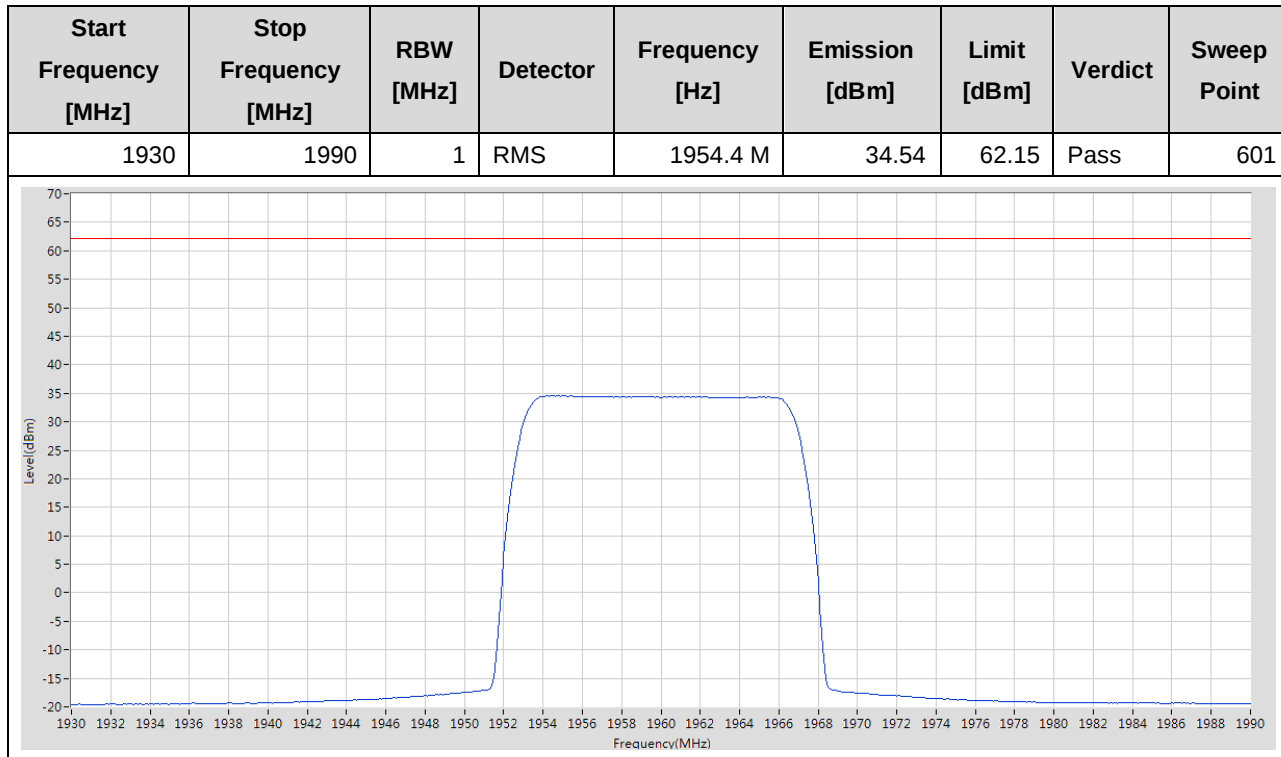
2.1.10 1L15M_TM1_B_Band2

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1990	1	RMS	1942.8 M	34.72	62.15	Pass	601



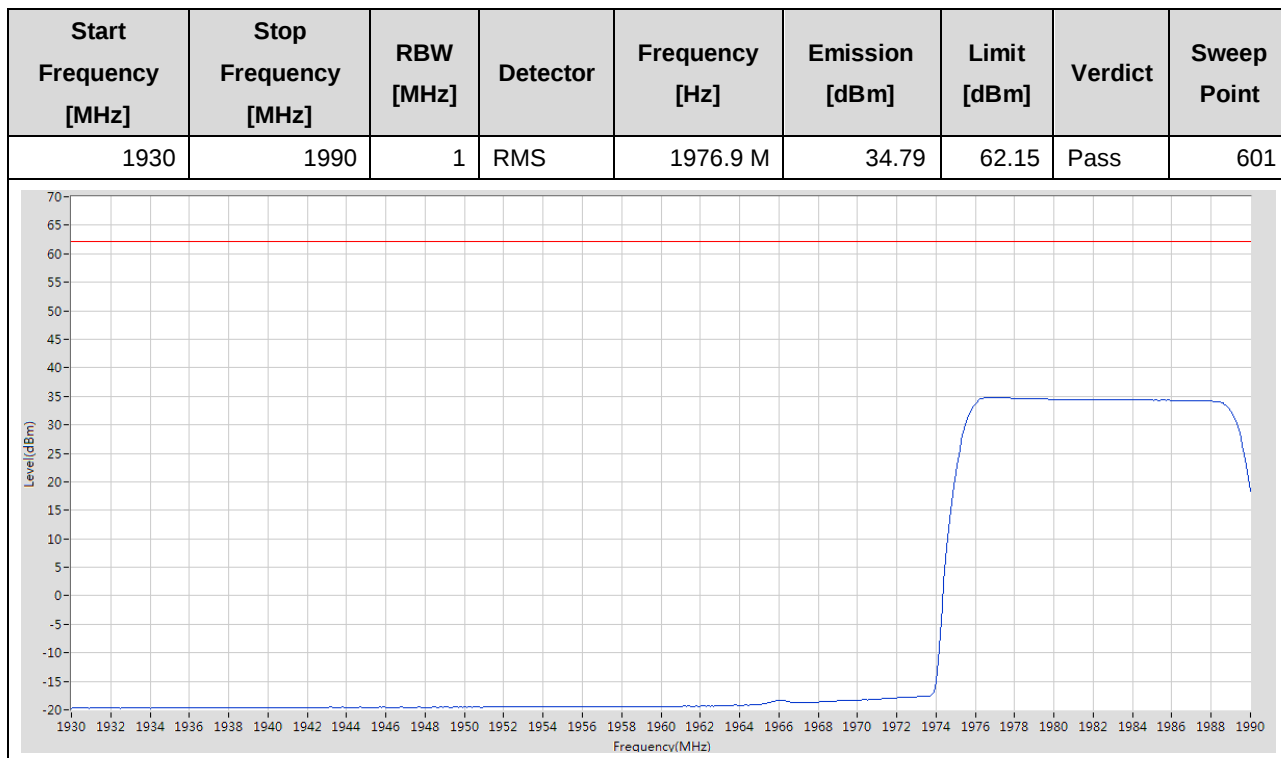


2.1.11 1L15M_TM1_M_Band2



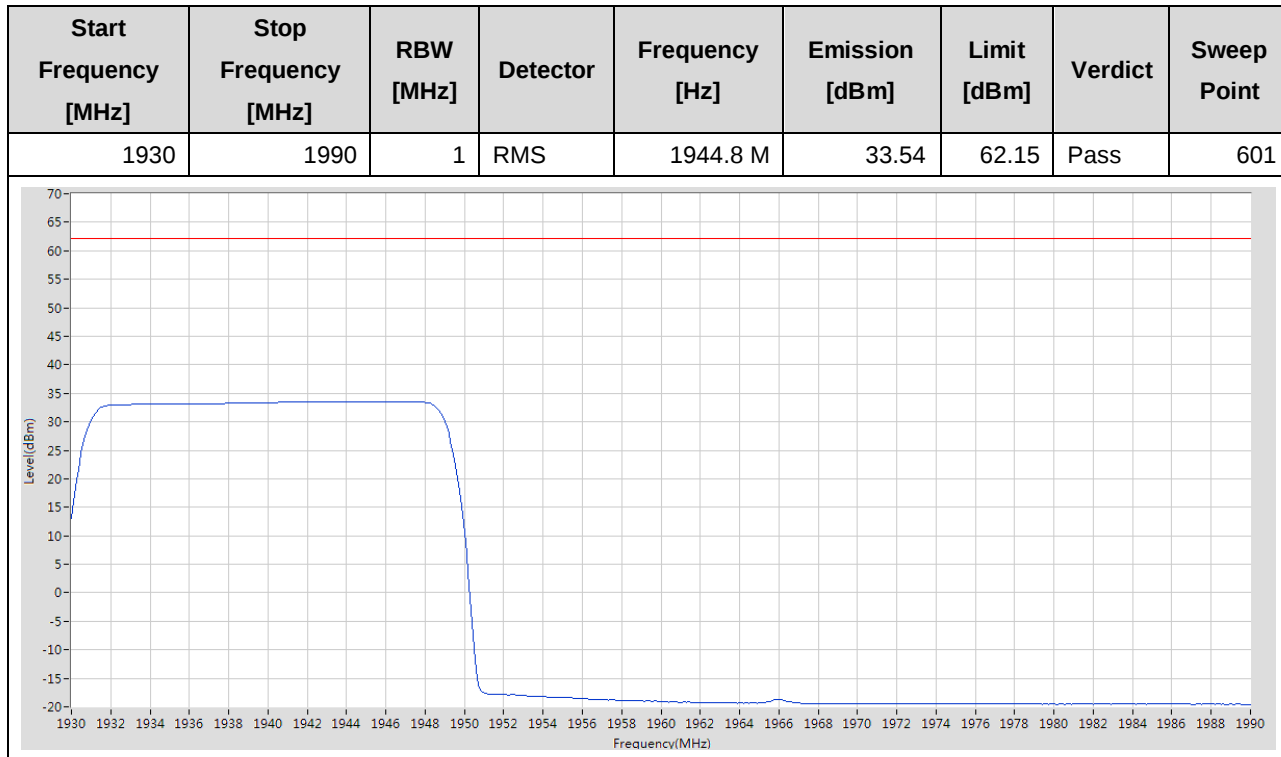


2.1.12 1L15M_TM1_T_Band2



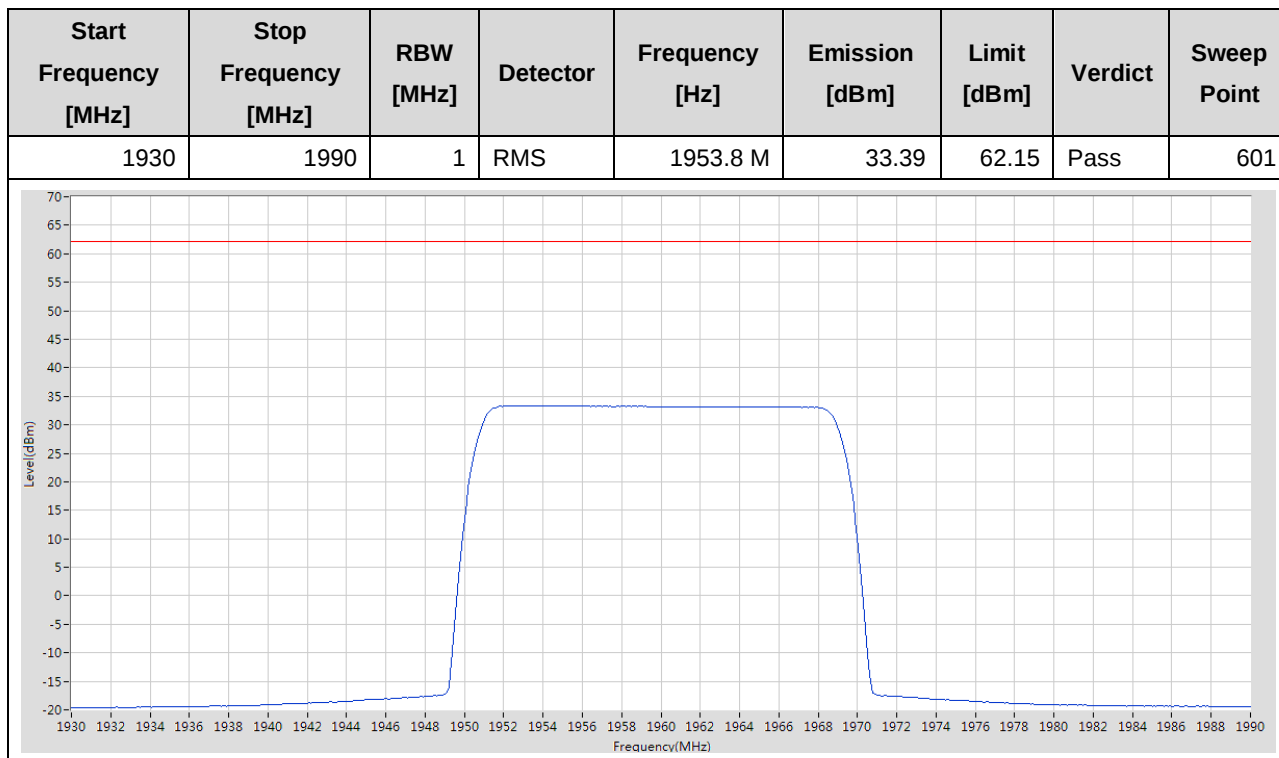


2.1.13 1L20M_TM1_B_Band2



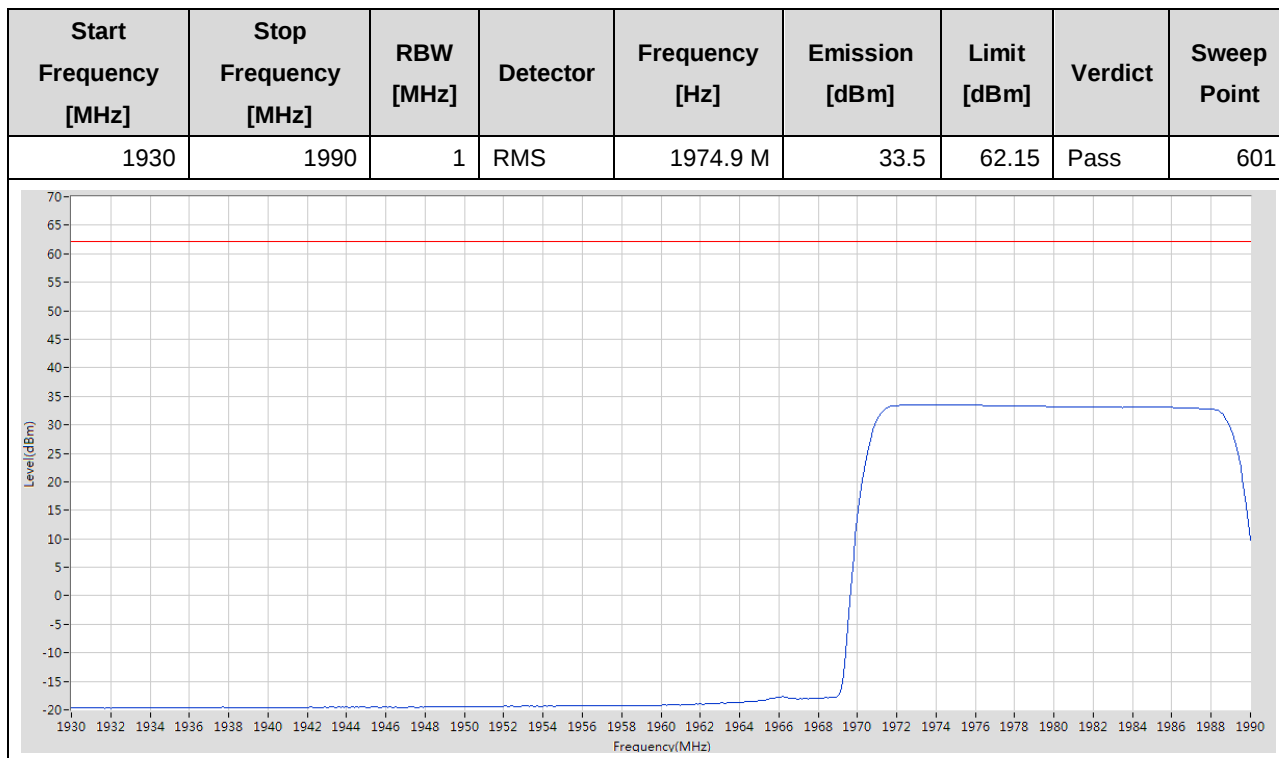


2.1.14 1L20M_TM1_M_Band2





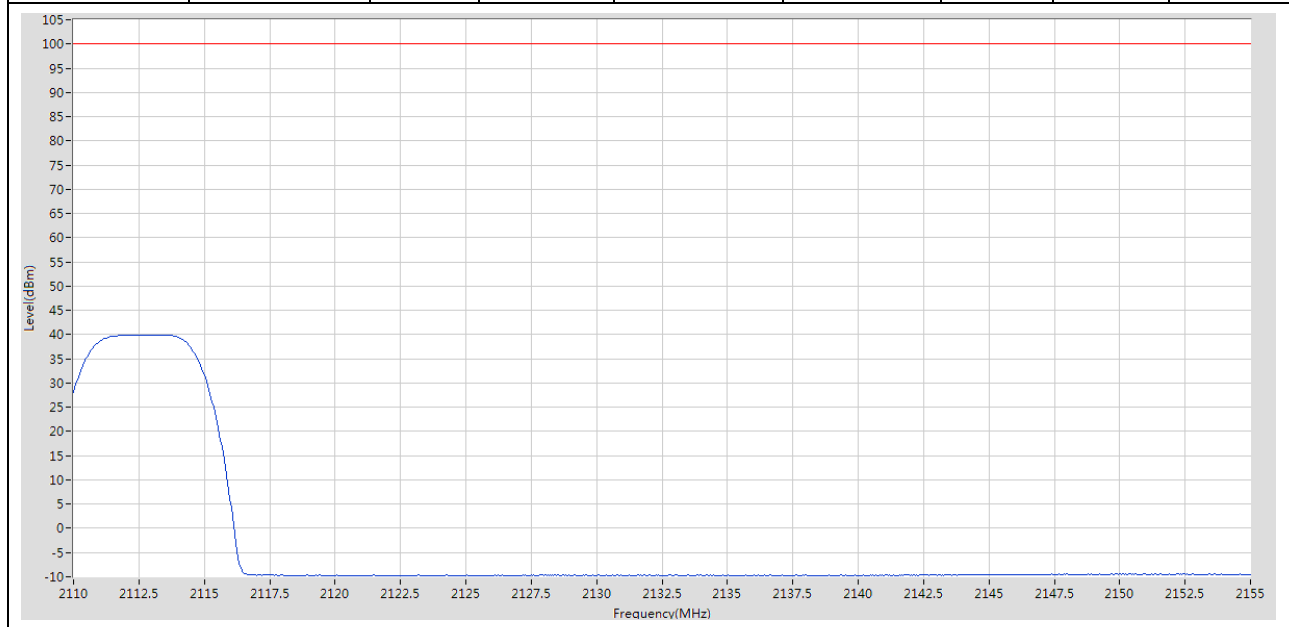
2.1.15 1L20M_TM1_T_Band2





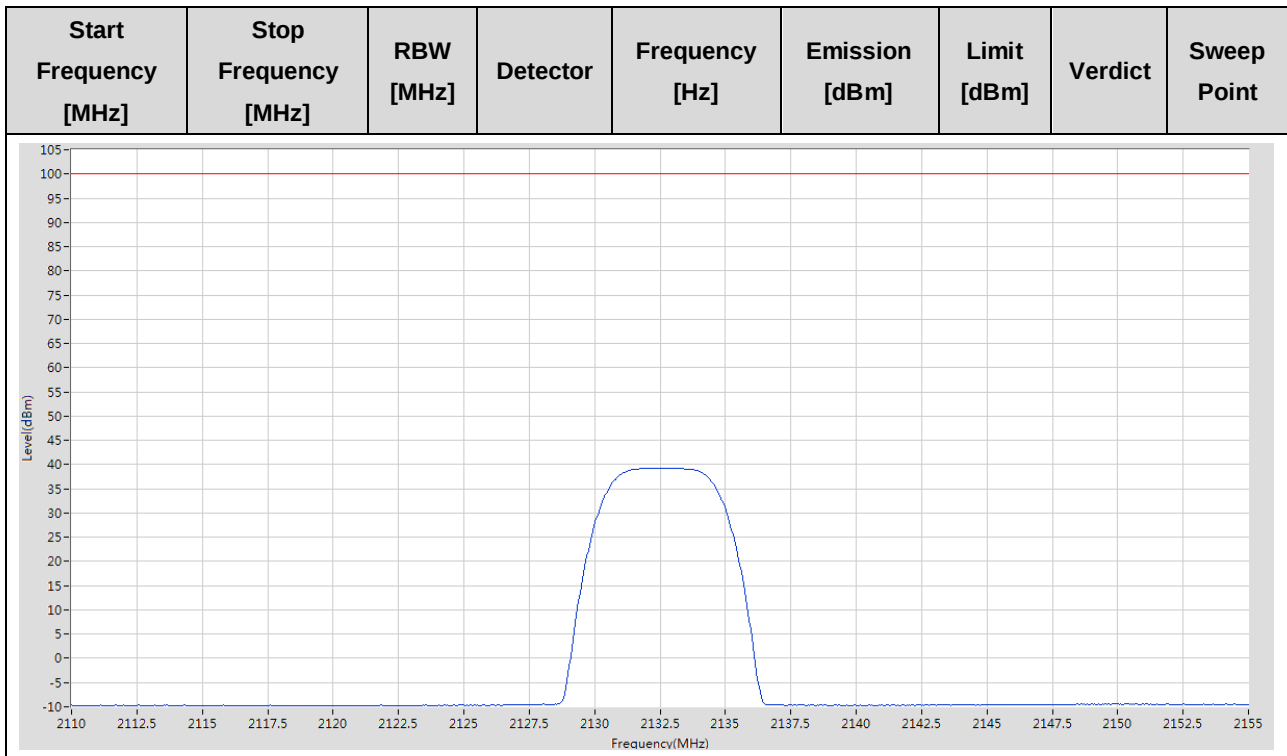
2.1.16 1U_TM1_B_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2112.88 M	39.94	100	Pass	1001

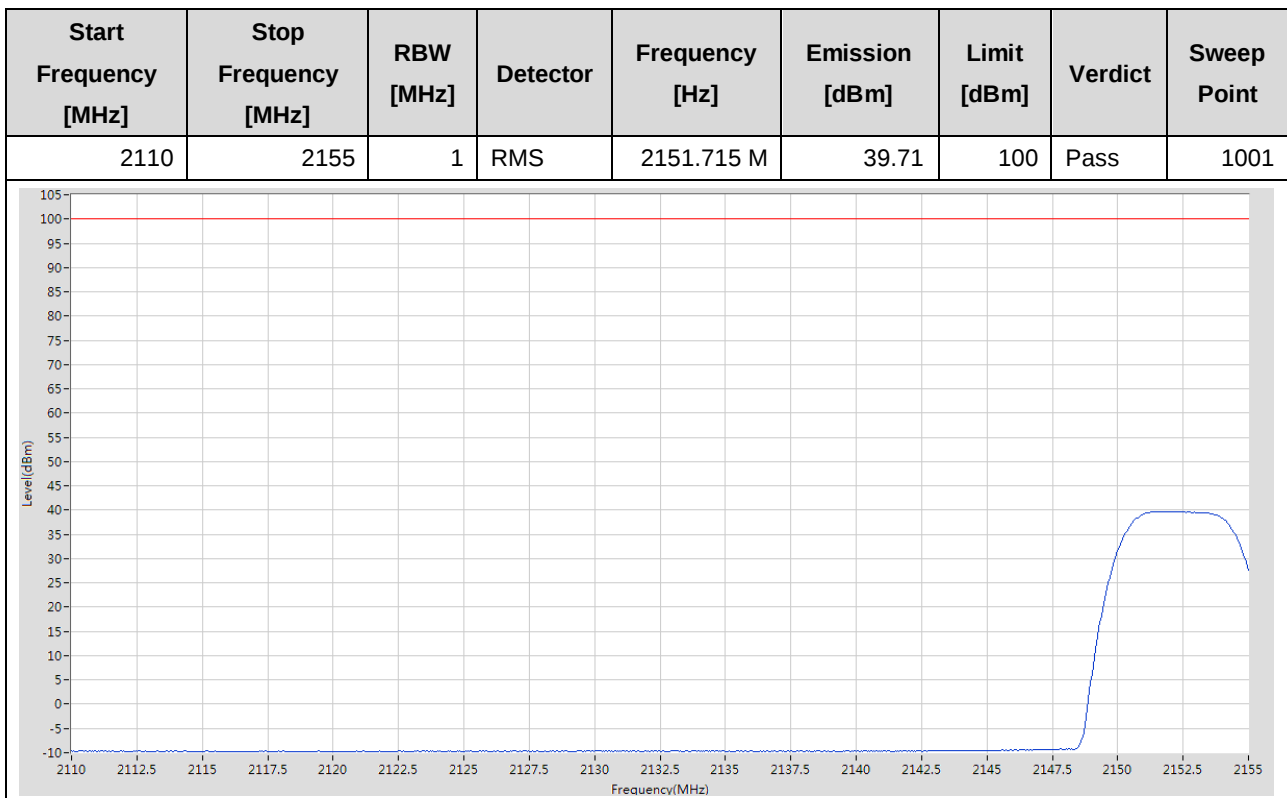


2.1.17 1U_TM1_M_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2132.185 M	39.21	100	Pass	1001

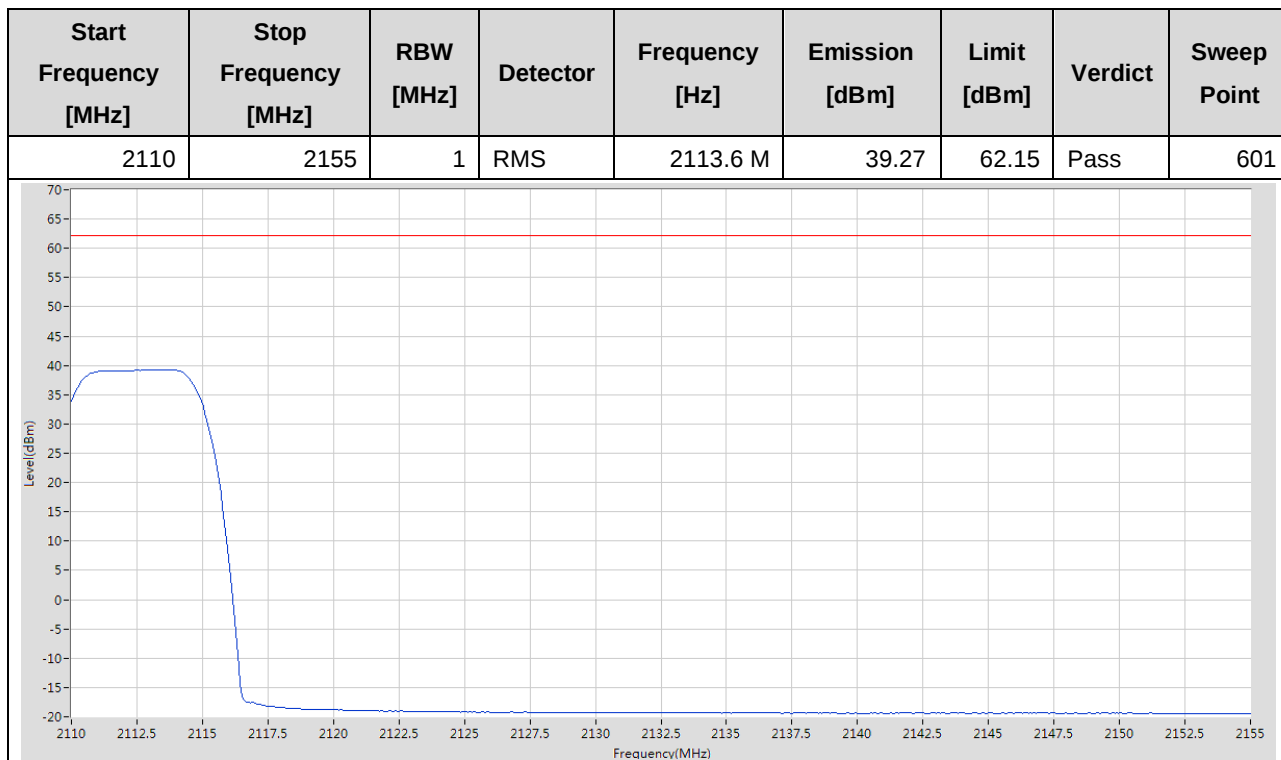


2.1.18 1U_TM1_T_Band4



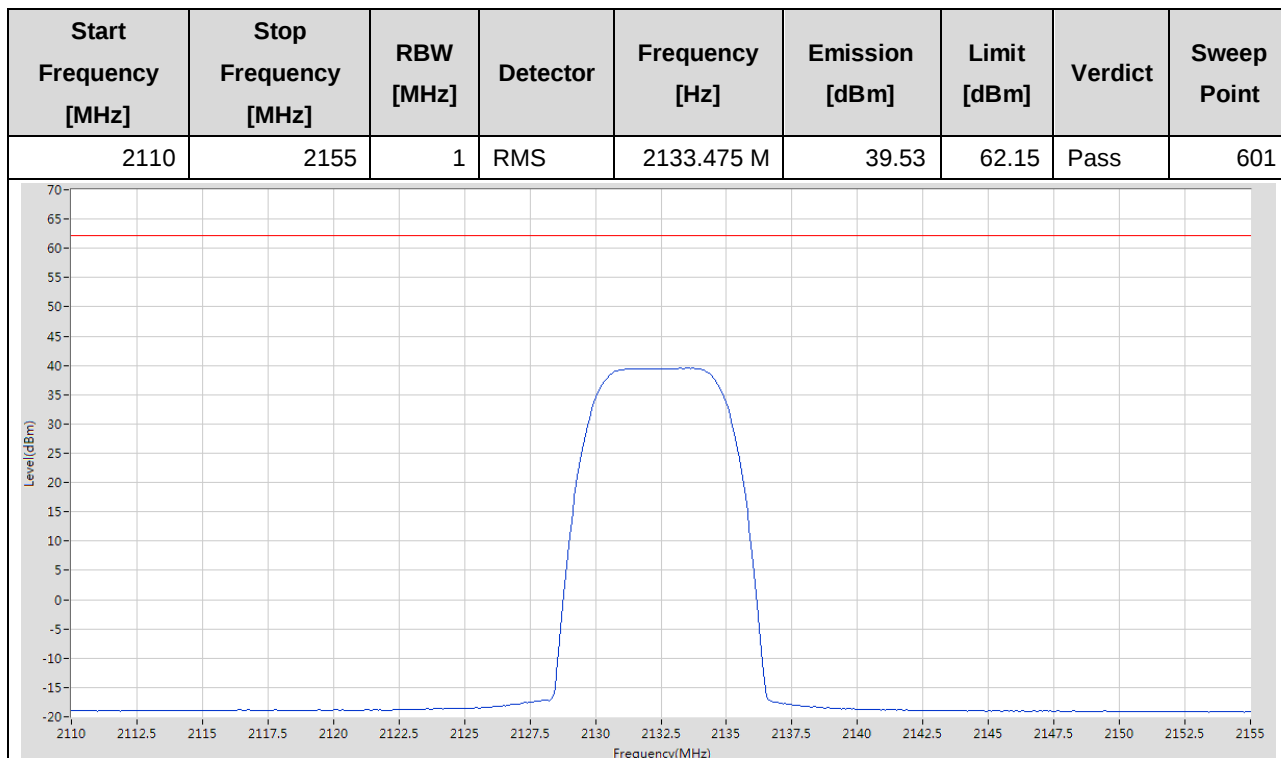


2.1.19 1L5M_TM1_B_Band4



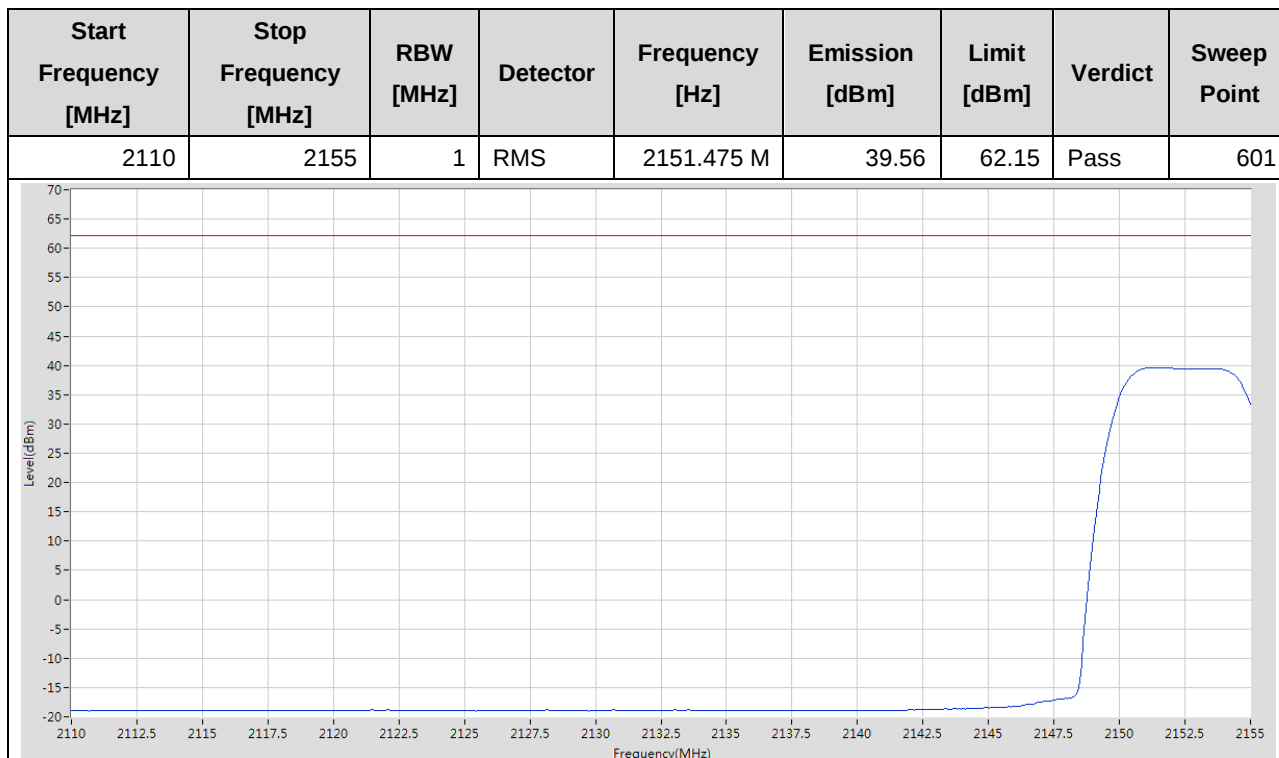


2.1.20 1L5M_TM1_M_Band4



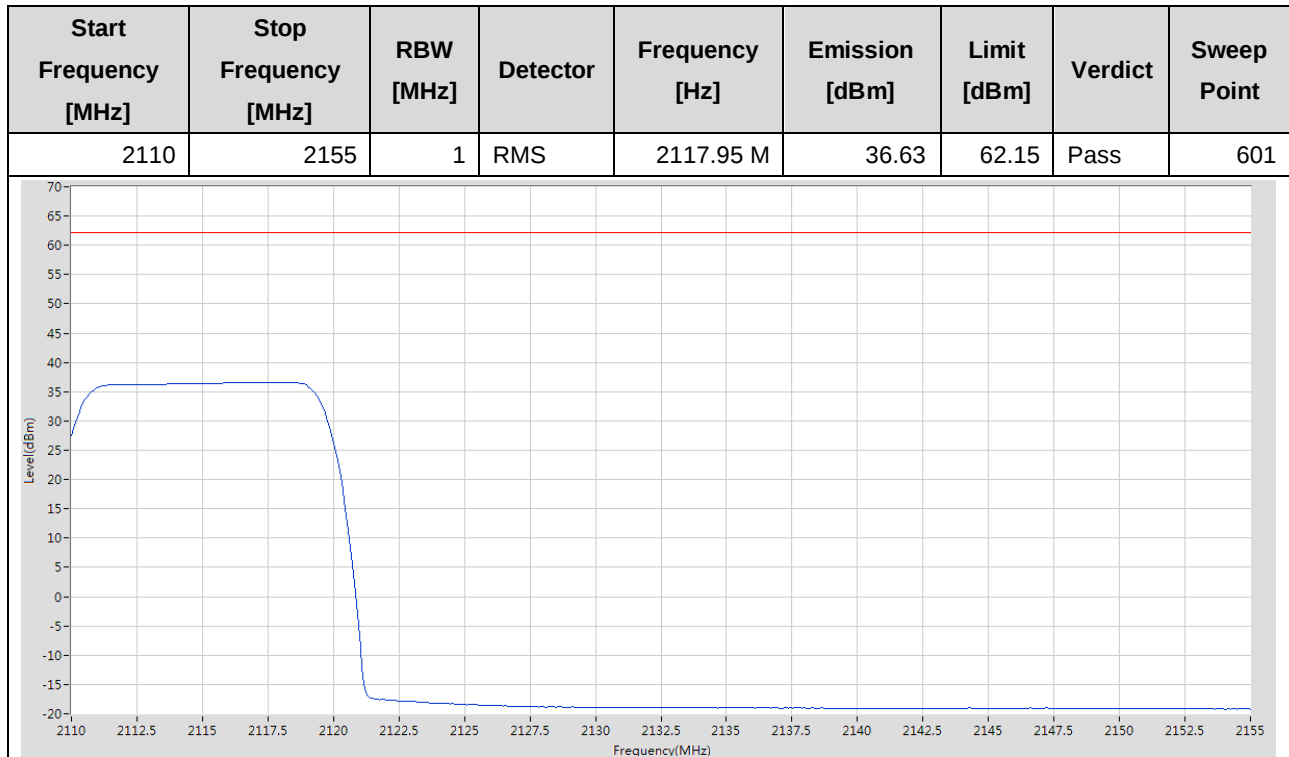


2.1.21 1L5M_TM1_T_Band4



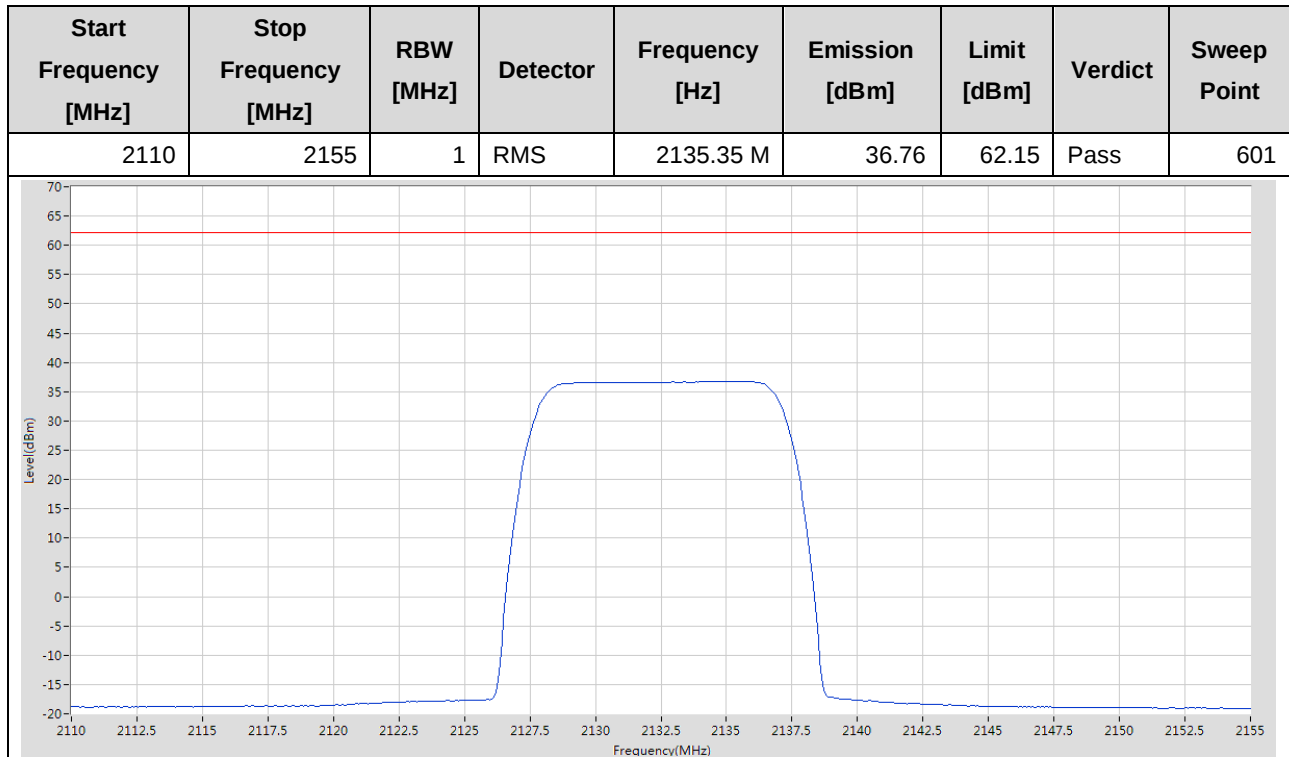


2.1.22 1L10M_TM1_B_Band4



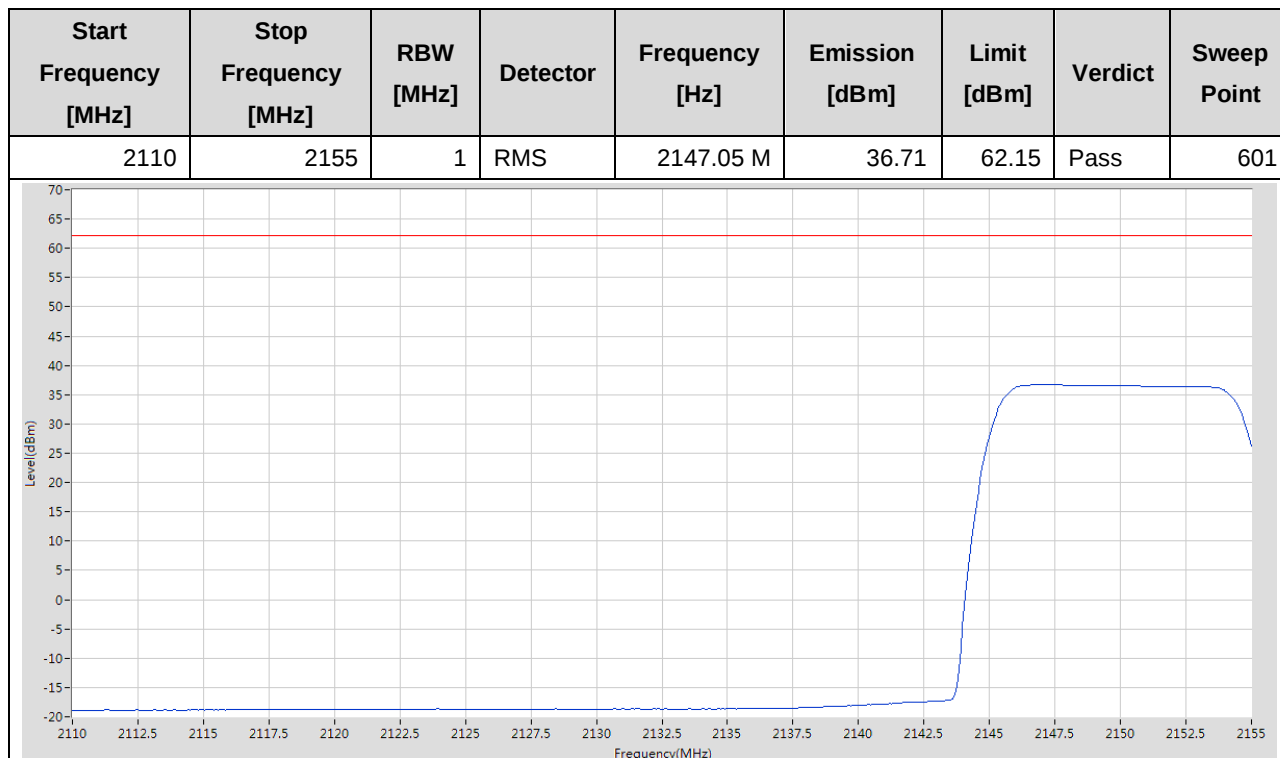


2.1.23 1L10M_TM1_M_Band4





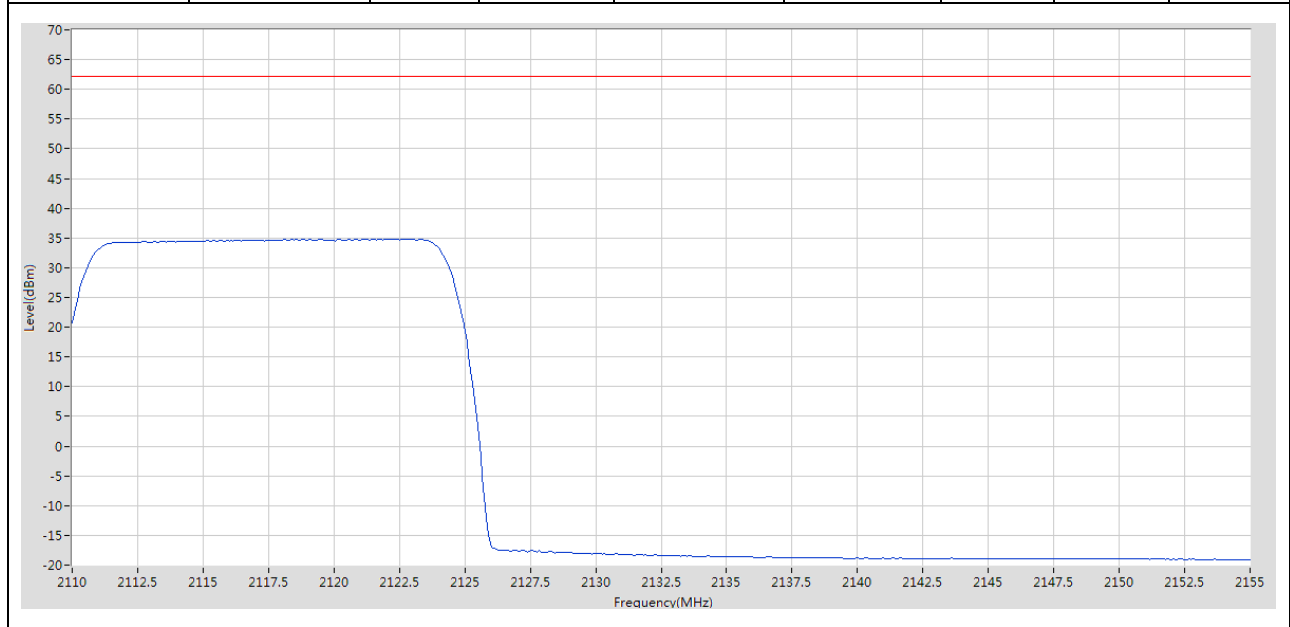
2.1.24 1L10M_TM1_T_Band4





2.1.25 1L15M_TM1_B_Band4

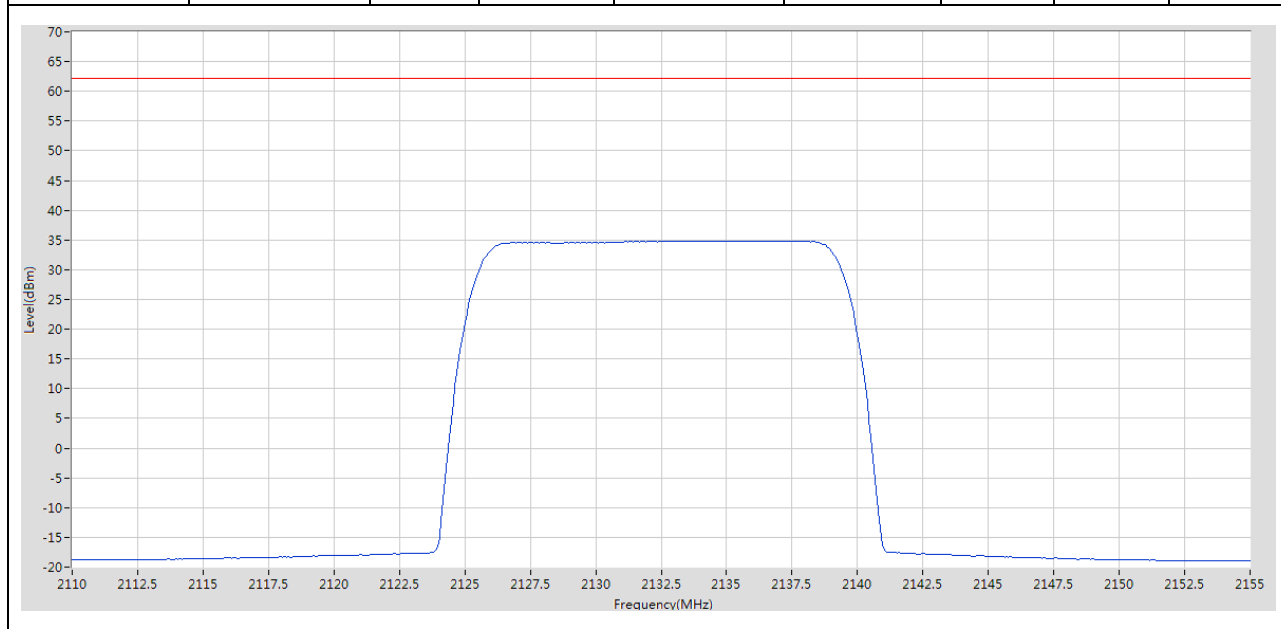
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2123.05 M	34.86	62.15	Pass	601





2.1.26 1L15M_TM1_M_Band4

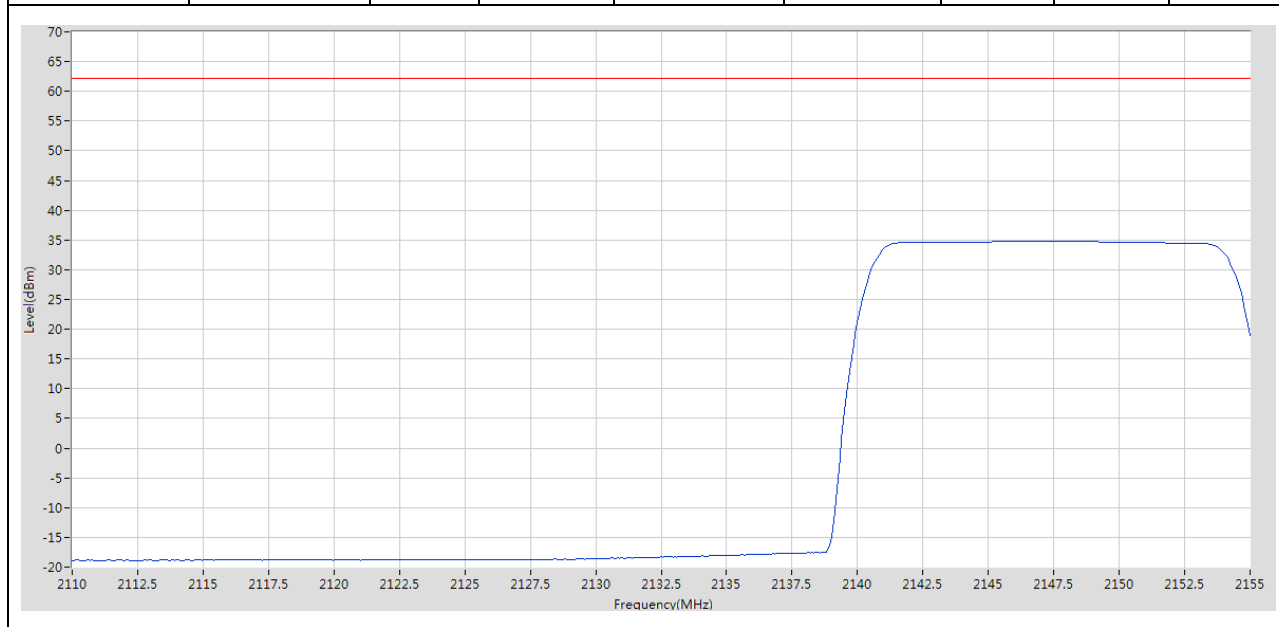
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2136.55 M	34.84	62.15	Pass	601





2.1.27 1L15M_TM1_T_Band4

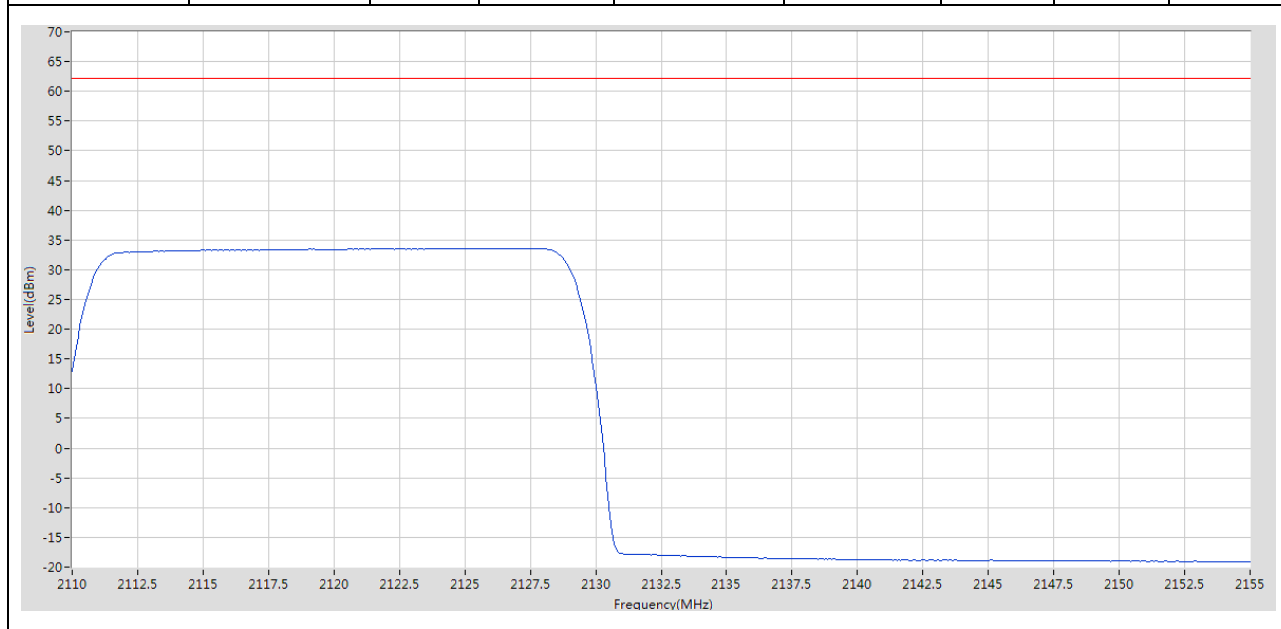
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2146.675 M	34.77	62.15	Pass	601





2.1.28 1L20M_TM1_B_Band4

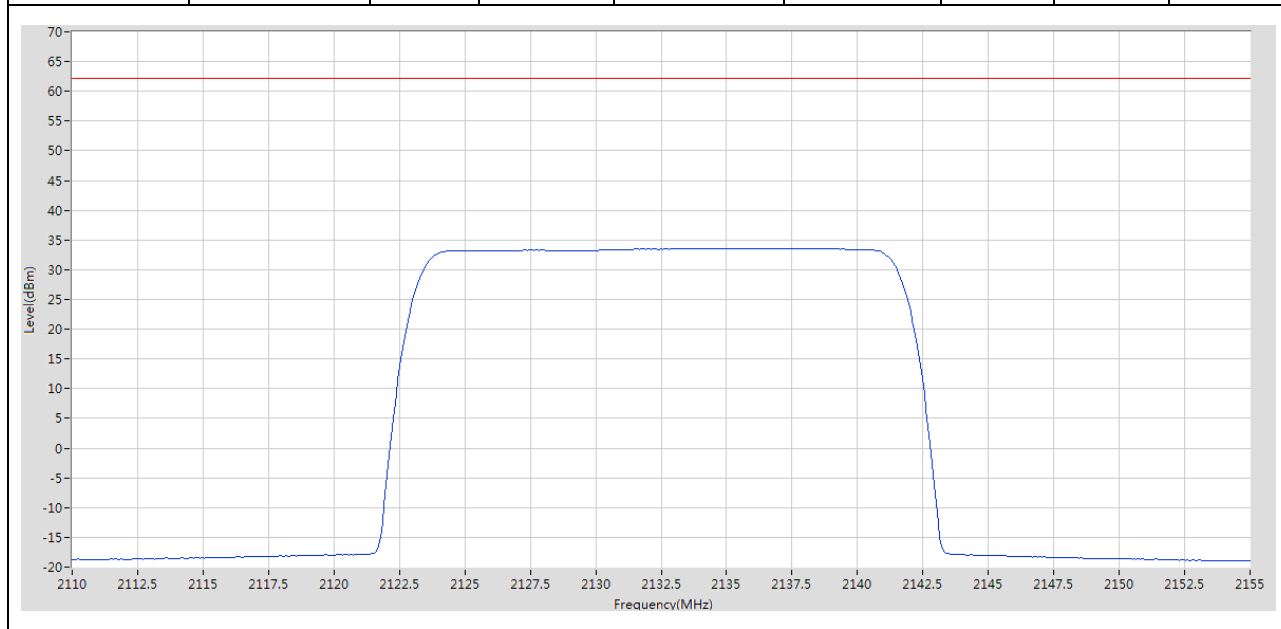
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2124.7 M	33.61	62.15	Pass	601





2.1.29 1L20M_TM1_M_Band4

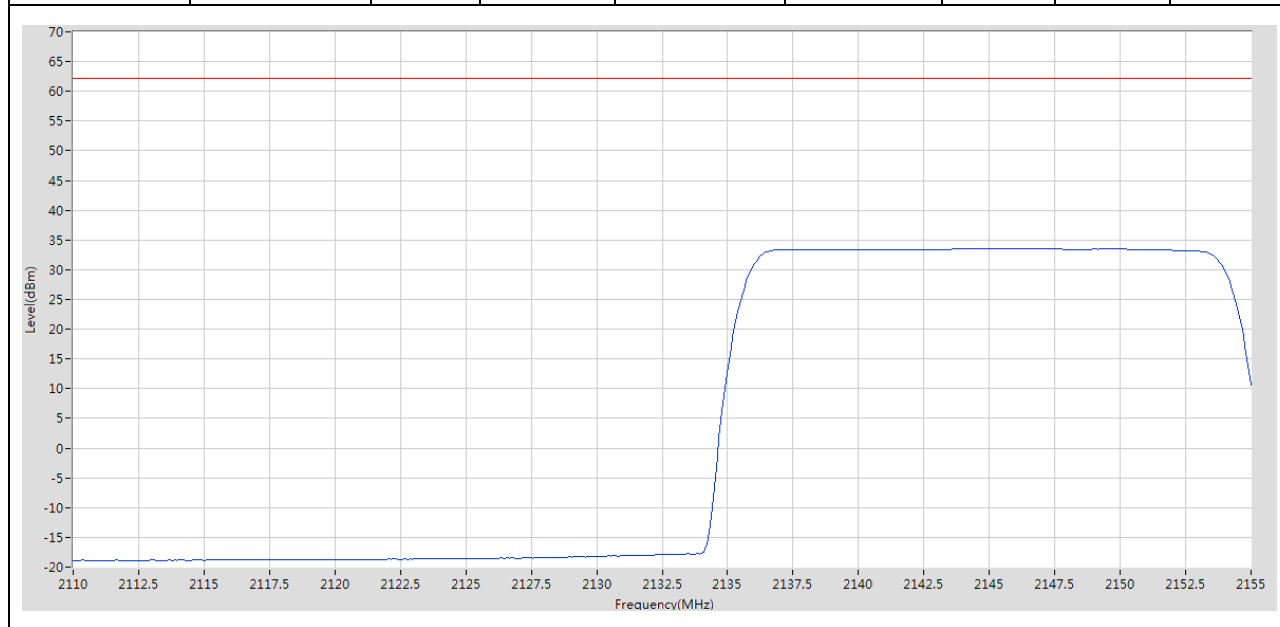
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2137.225 M	33.59	62.15	Pass	601





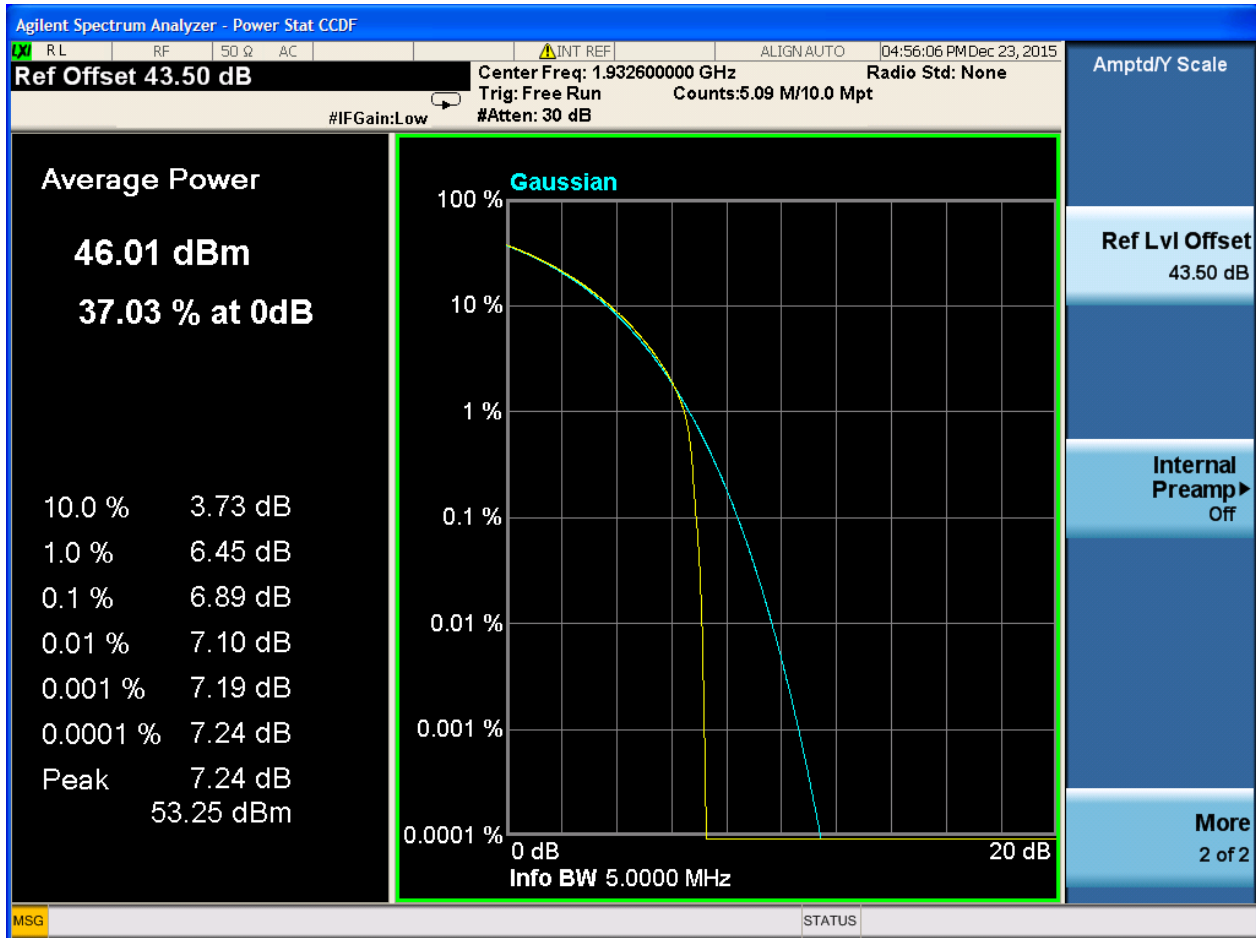
2.1.30 1L20M_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2110	2155	1	RMS	2146.3 M	33.53	62.15	Pass	601



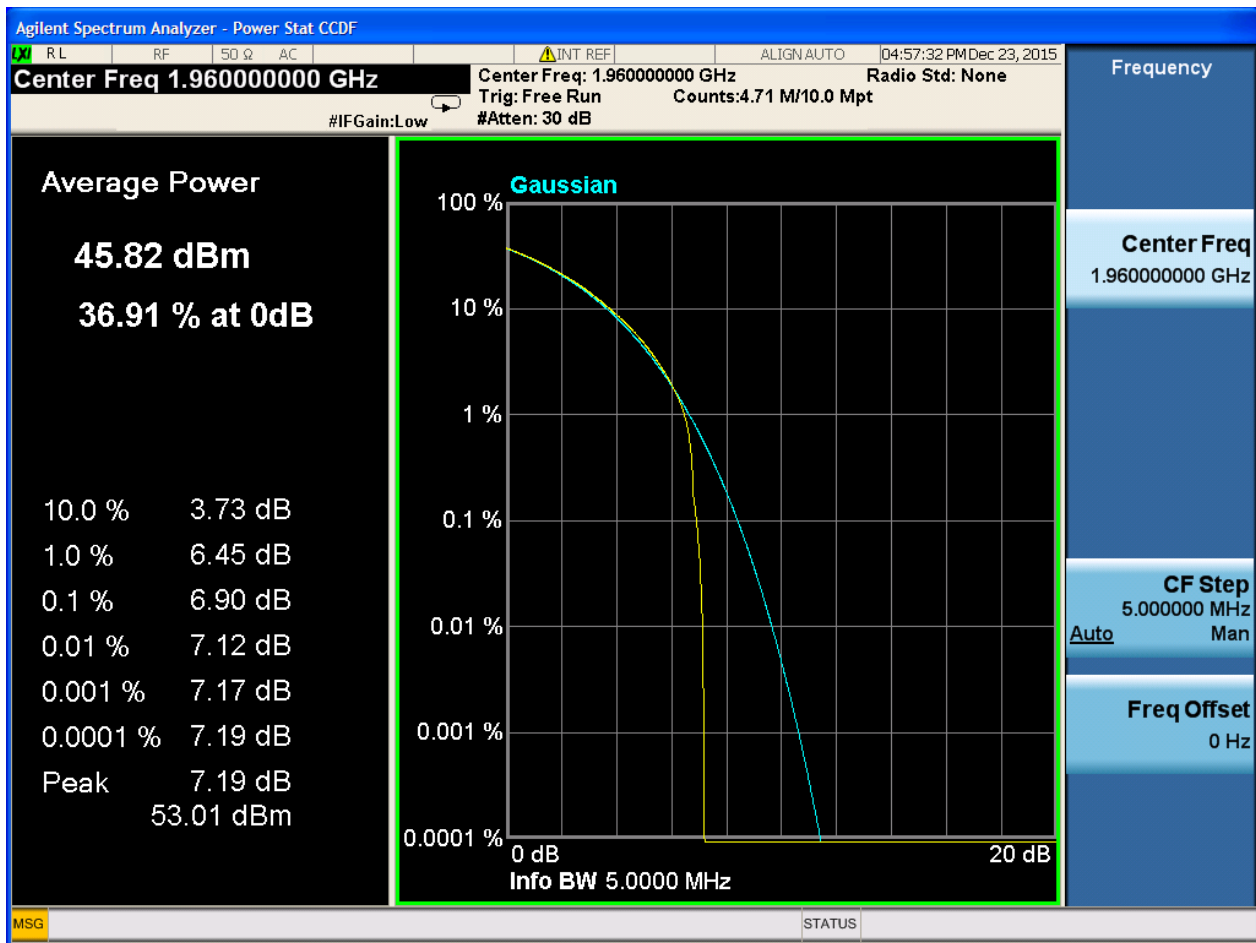
2.2 Peak-to-Average Ratio

2.2.1 1U_TM1_B_Band2

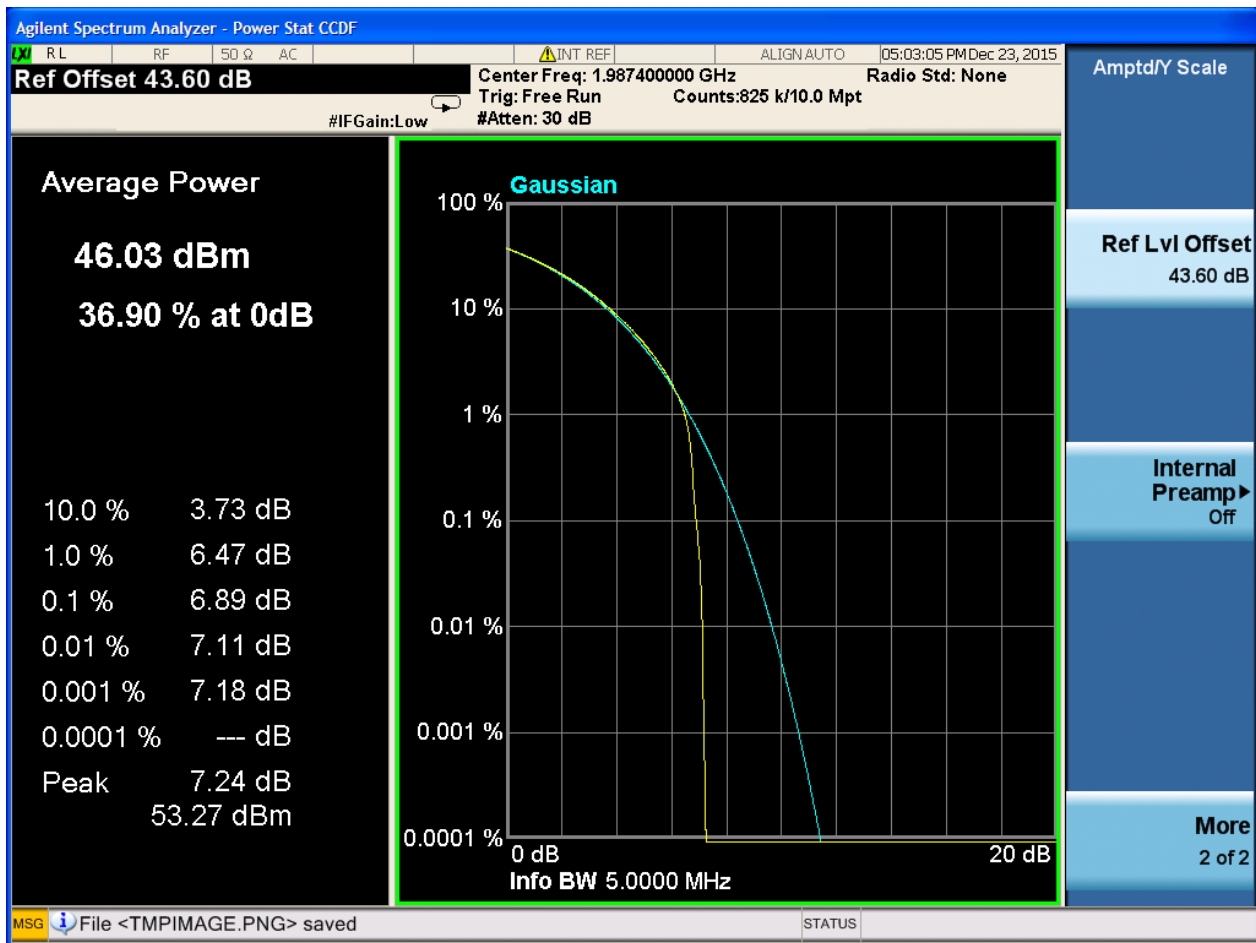




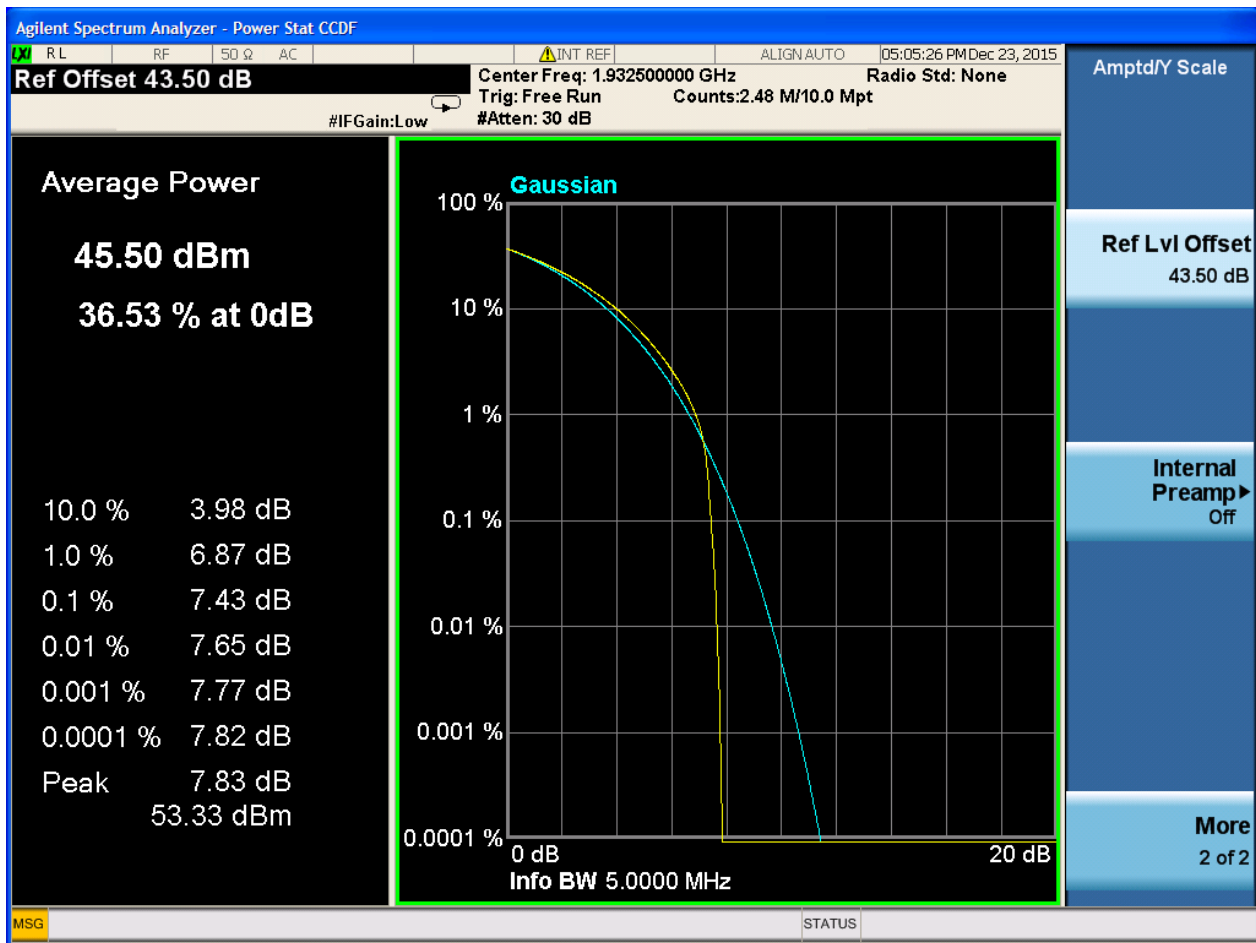
2.2.2 1U_TM1_M_Band2



2.2.3 1U_TM1_T_Band2

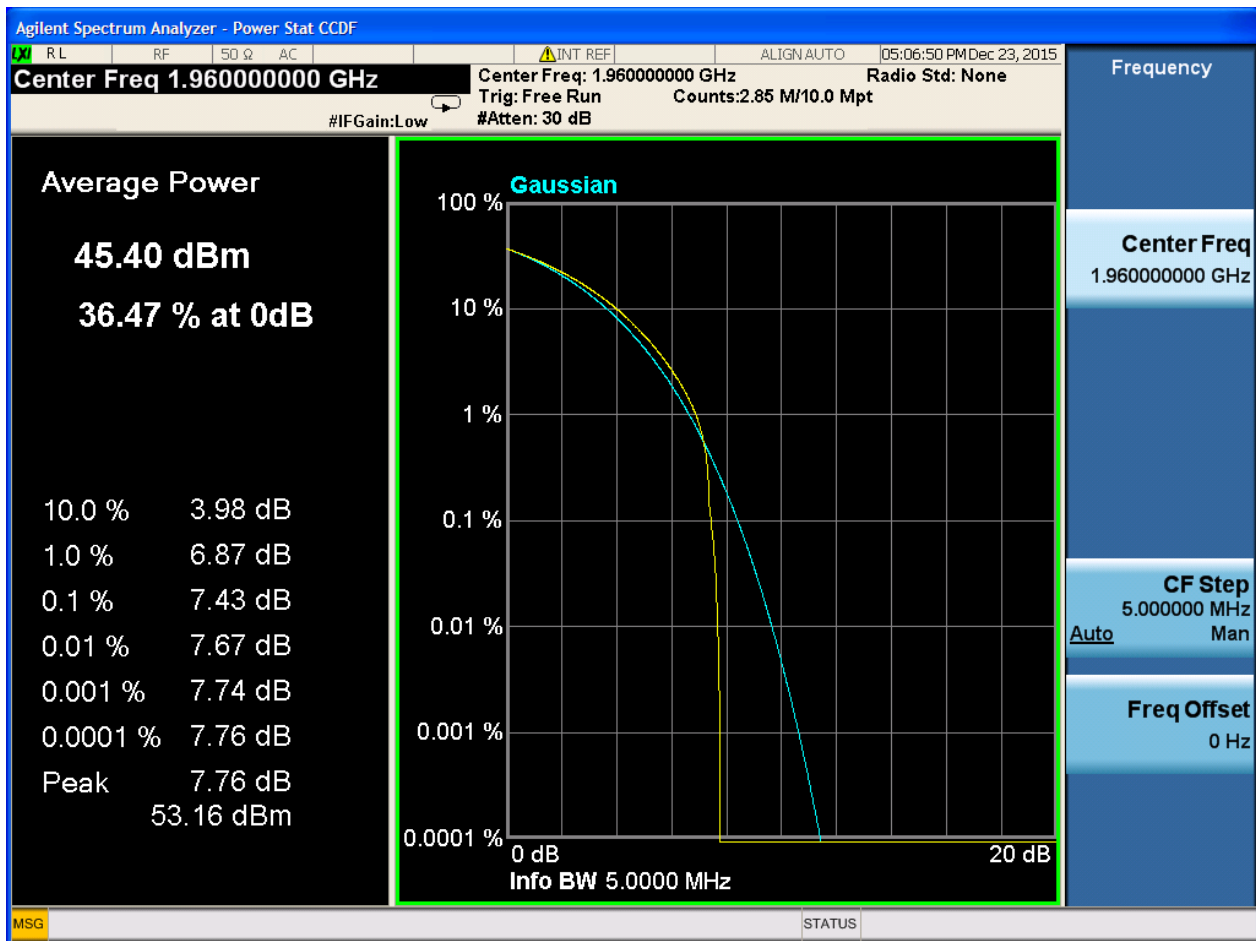


2.2.4 1L5M_TM1_B_Band2



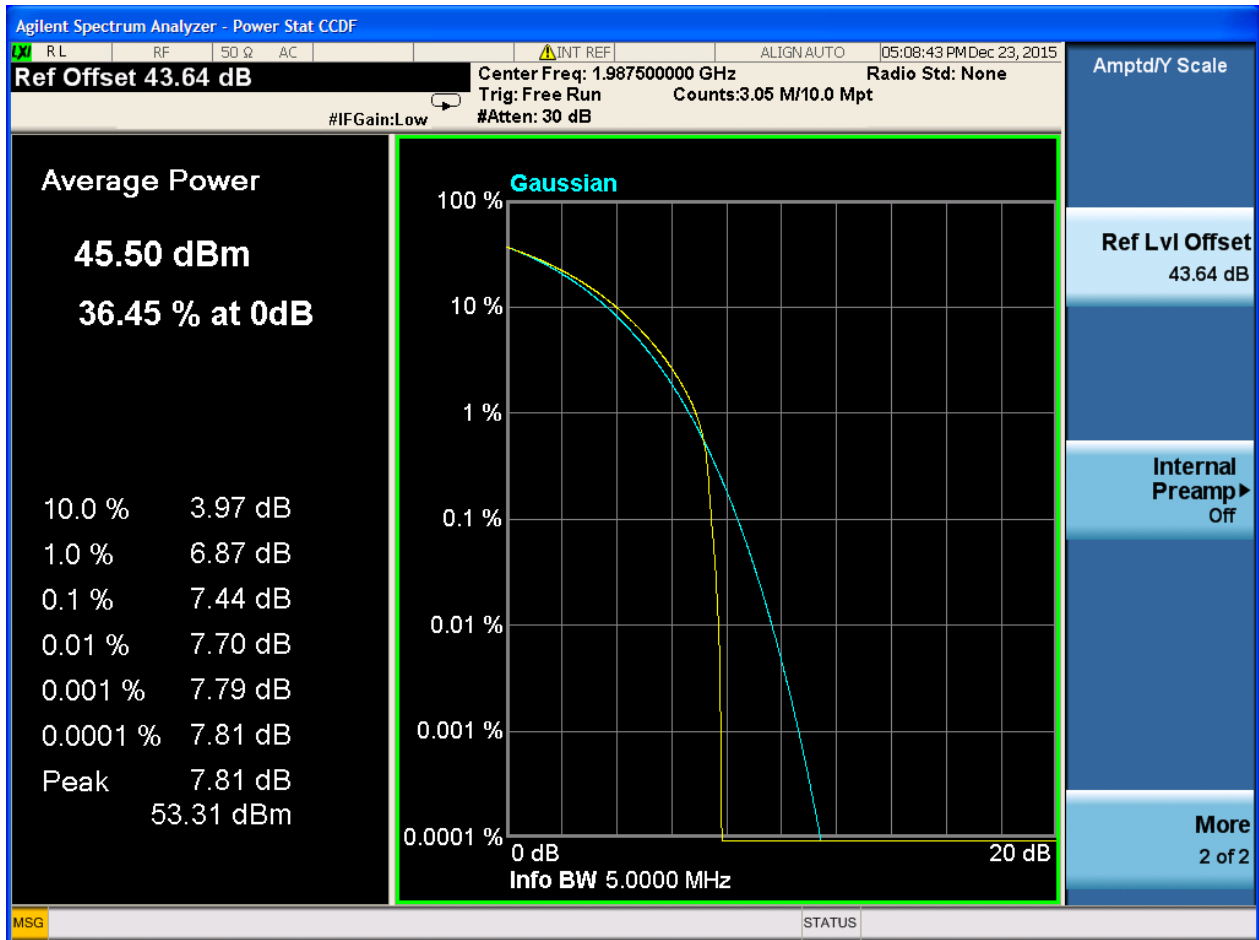


2.2.5 1L5M_TM1_M_Band2

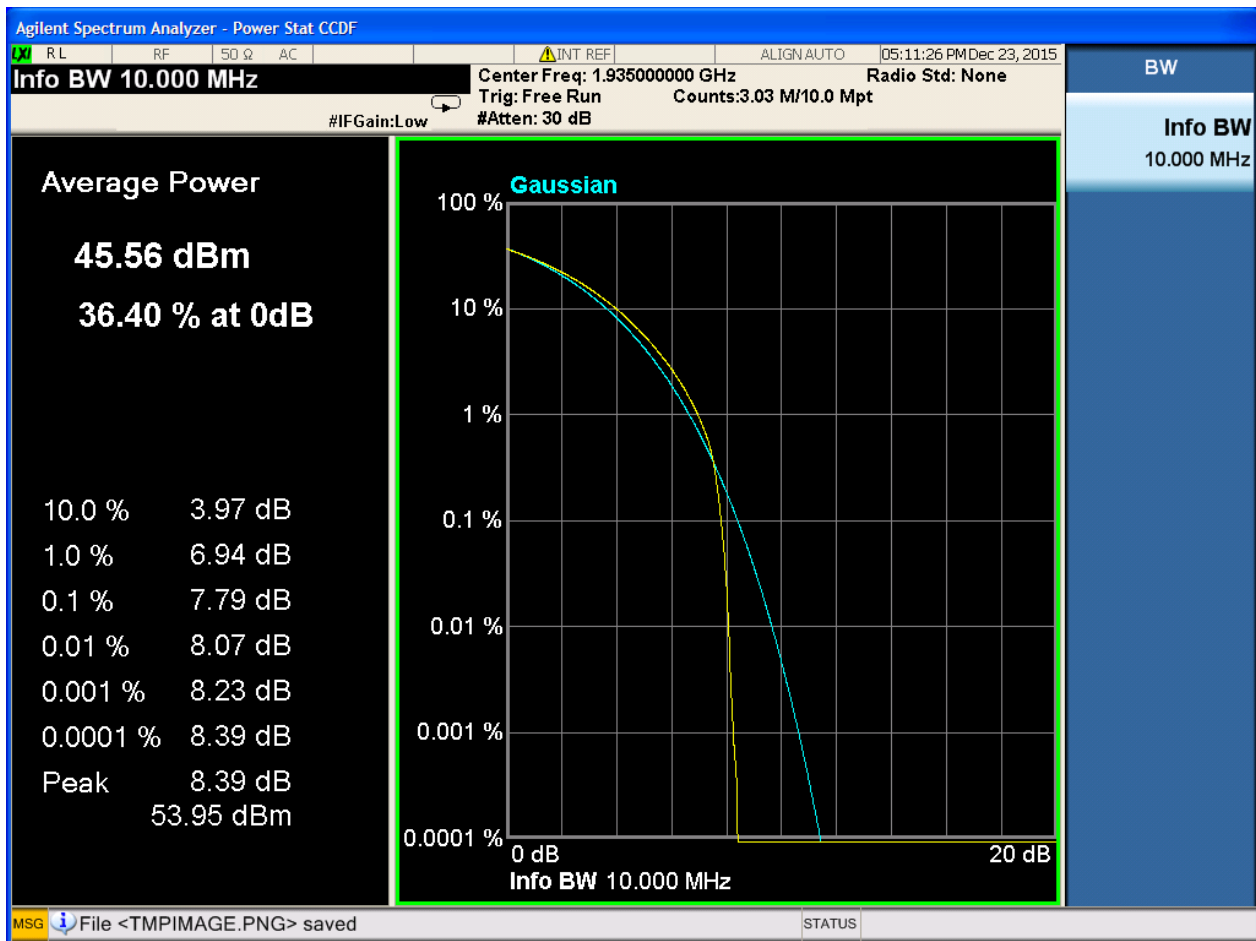




2.2.6 1L5M_TM1_T_Band2

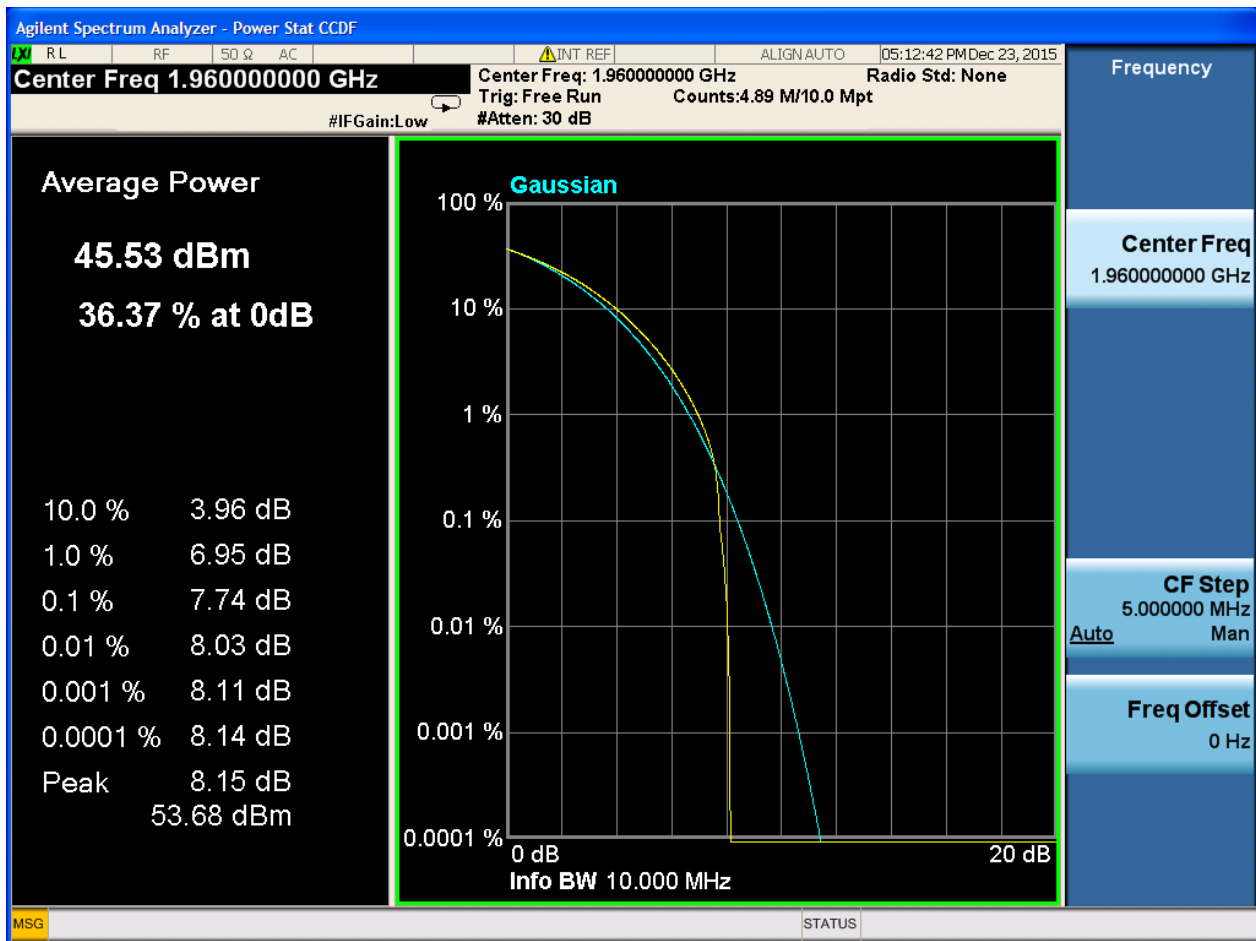


2.2.7 1L10M_TM1_B_Band2

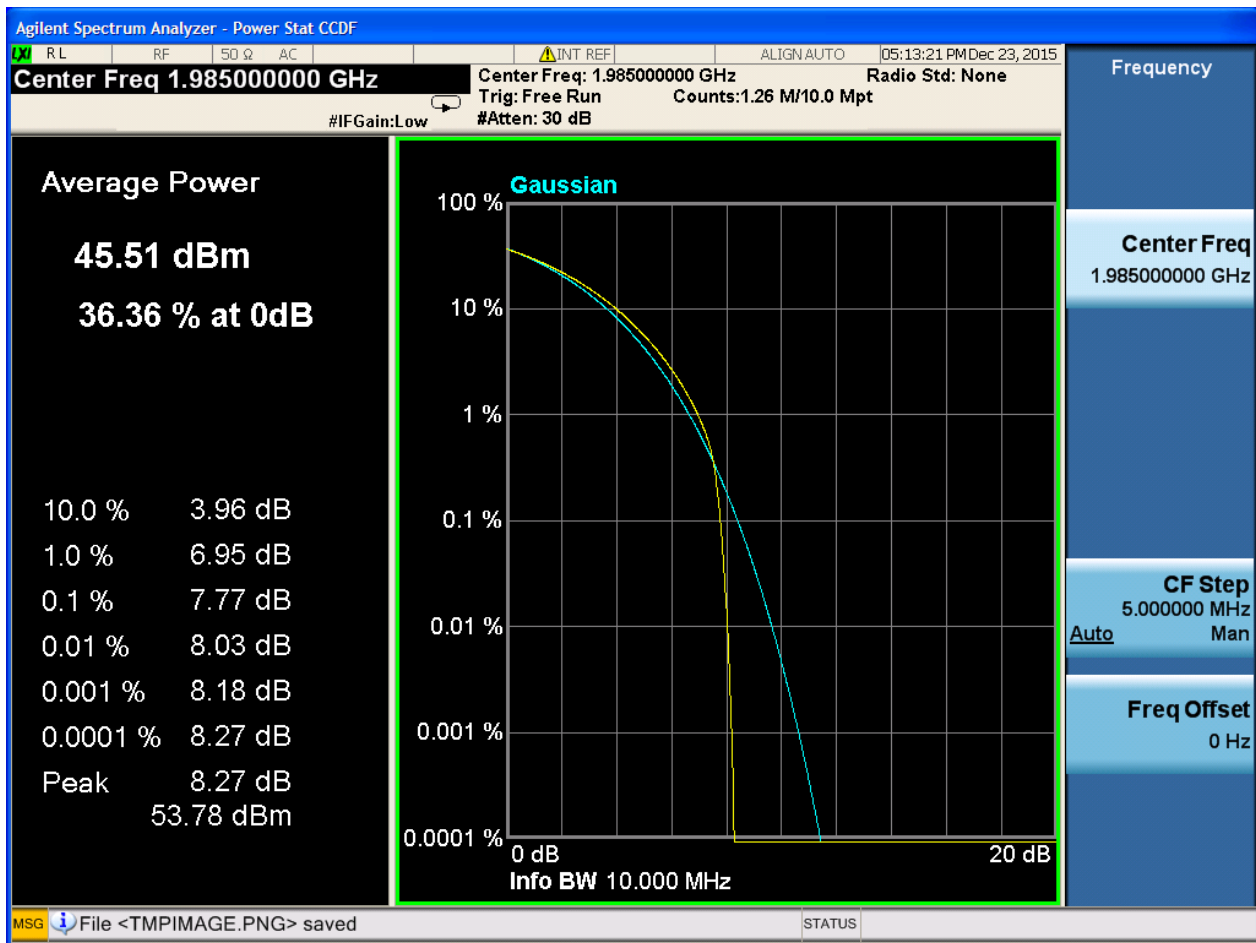




2.2.8 1L10M_TM1_M_Band2

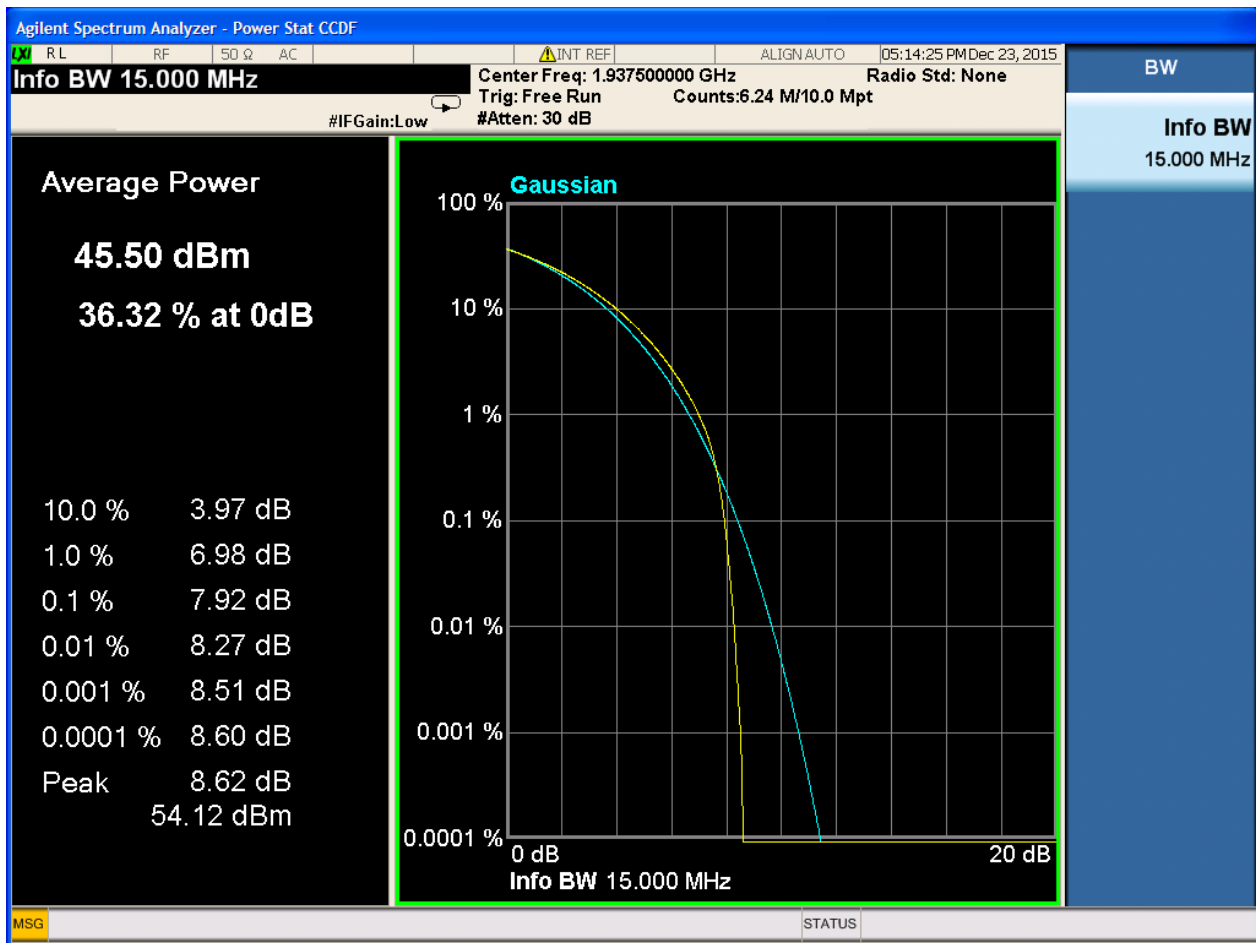


2.2.9 1L10M_TM1_T_Band2



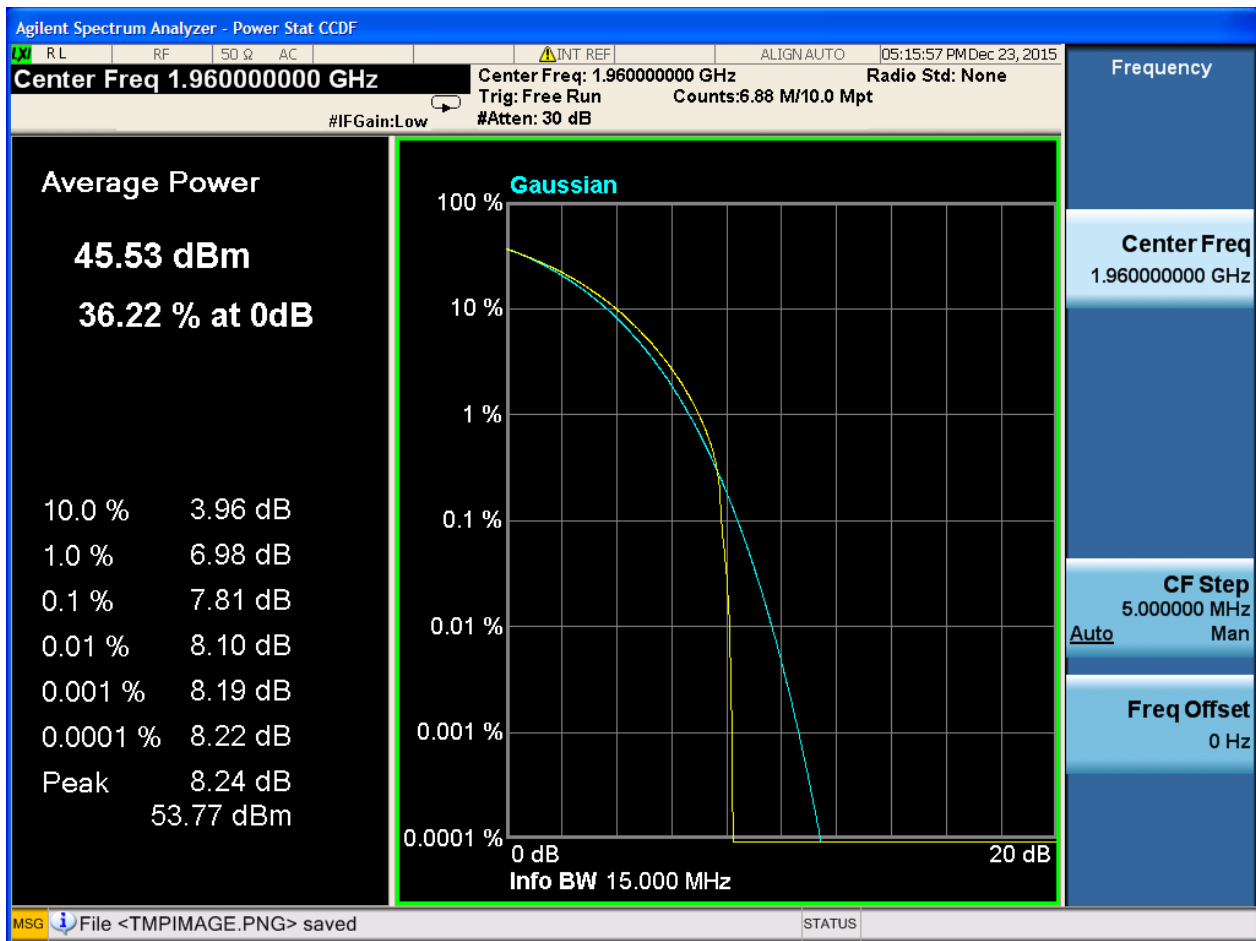


2.2.10 1L15M_TM1_B_Band2

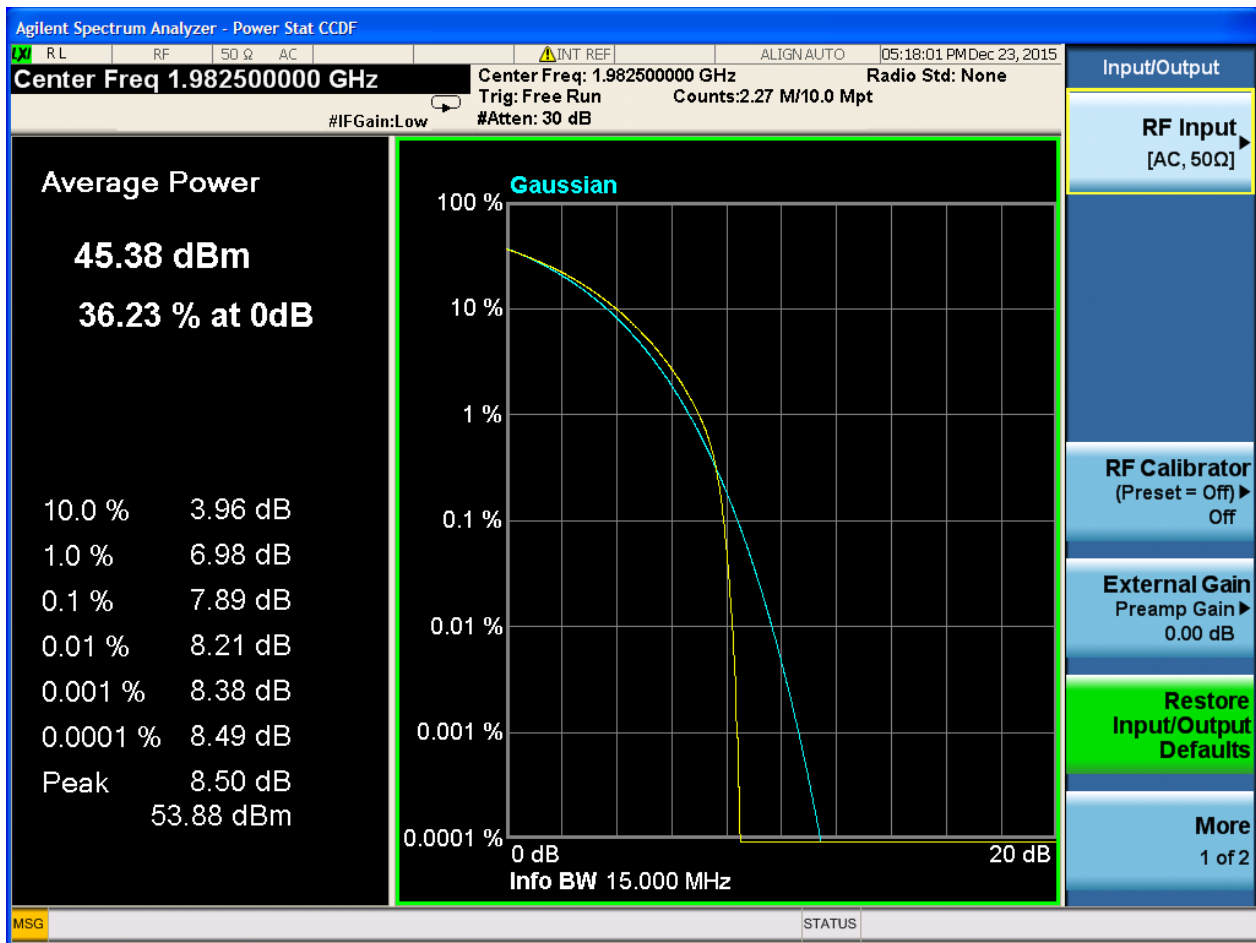




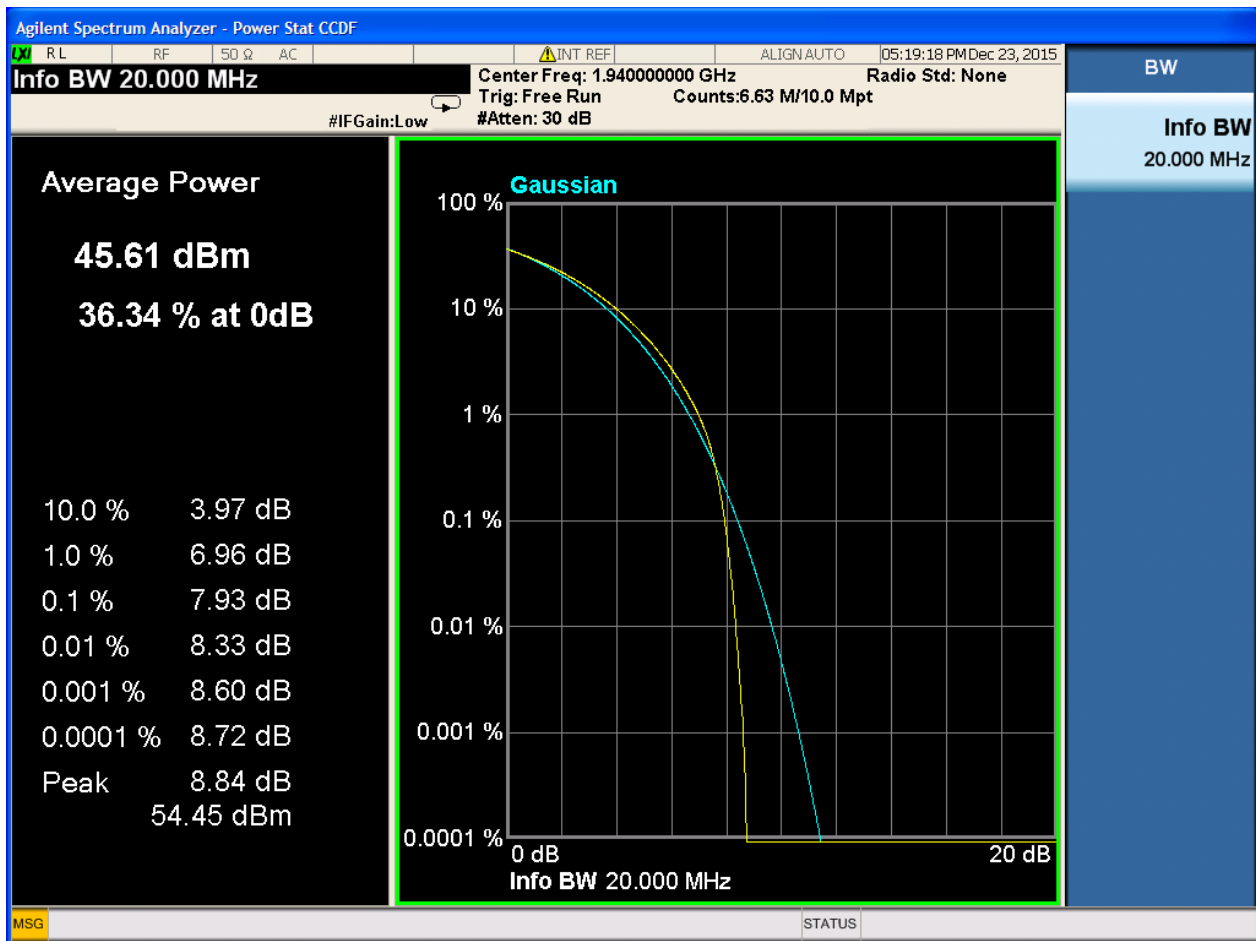
2.2.11 1L15M_TM1_M_Band2



2.2.12 1L15M_TM1_T_Band2

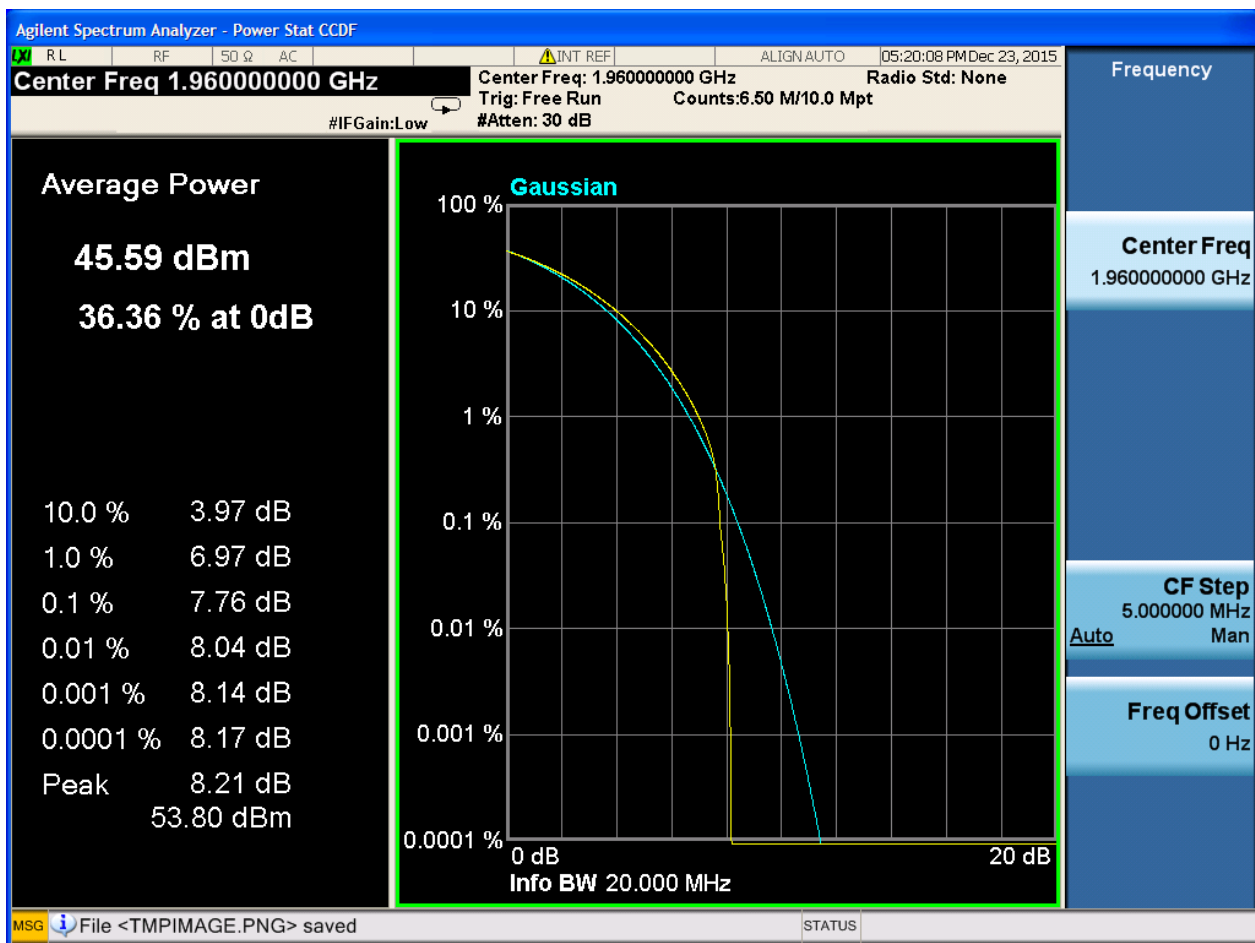


2.2.13 1L20M_TM1_B_Band2



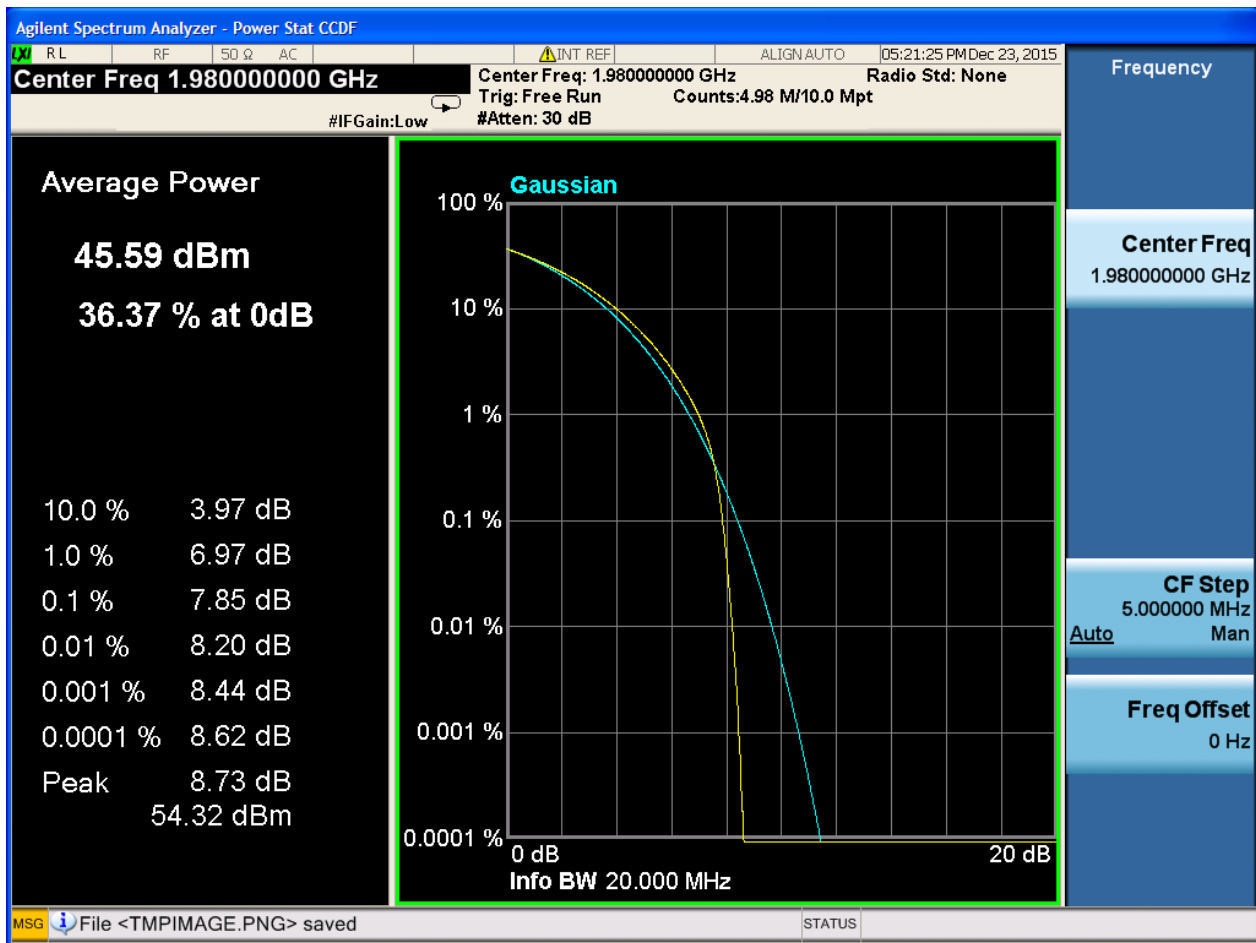


2.2.14 1L20M_TM1_M_Band2

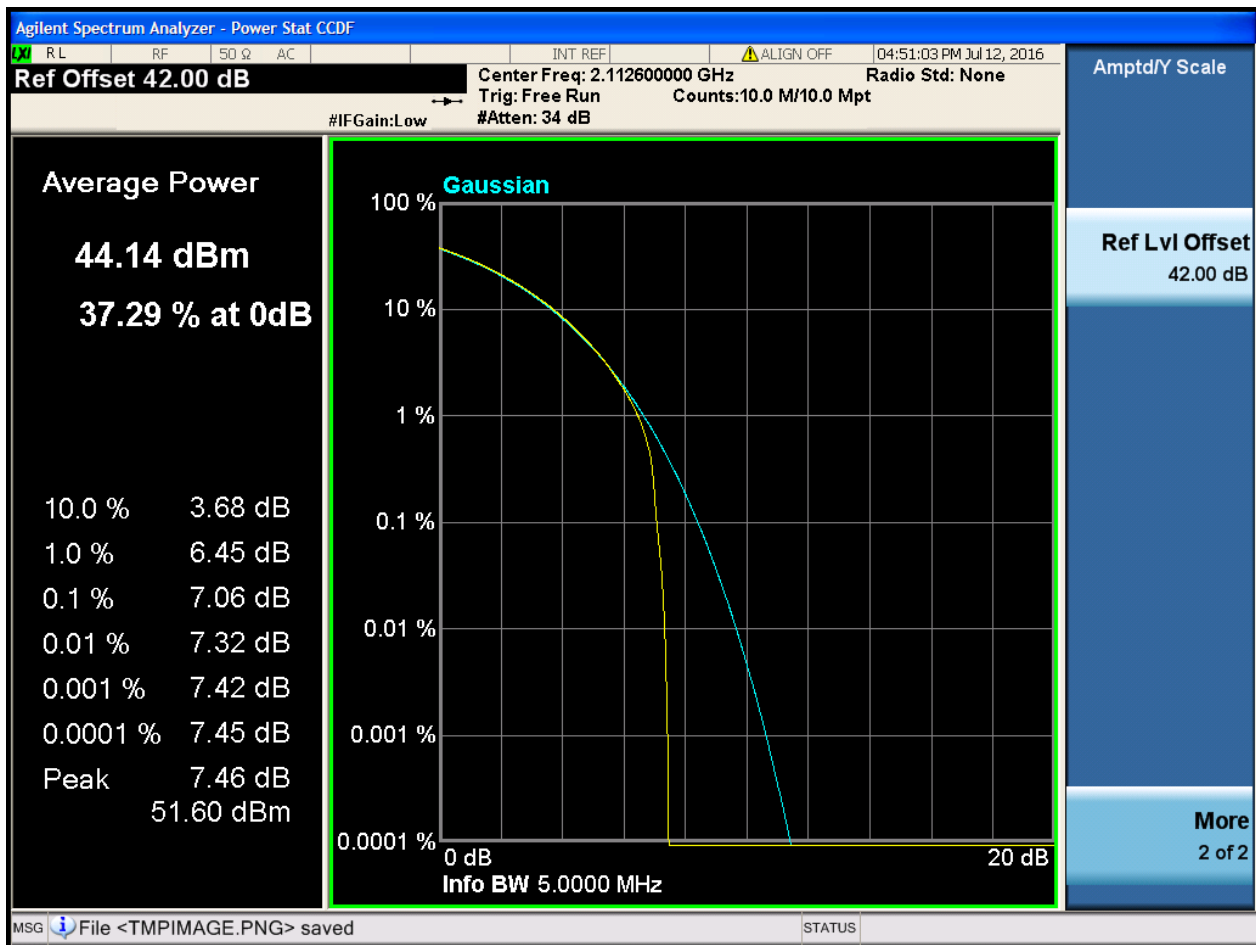




2.2.15 1L20M_TM1_T_Band2

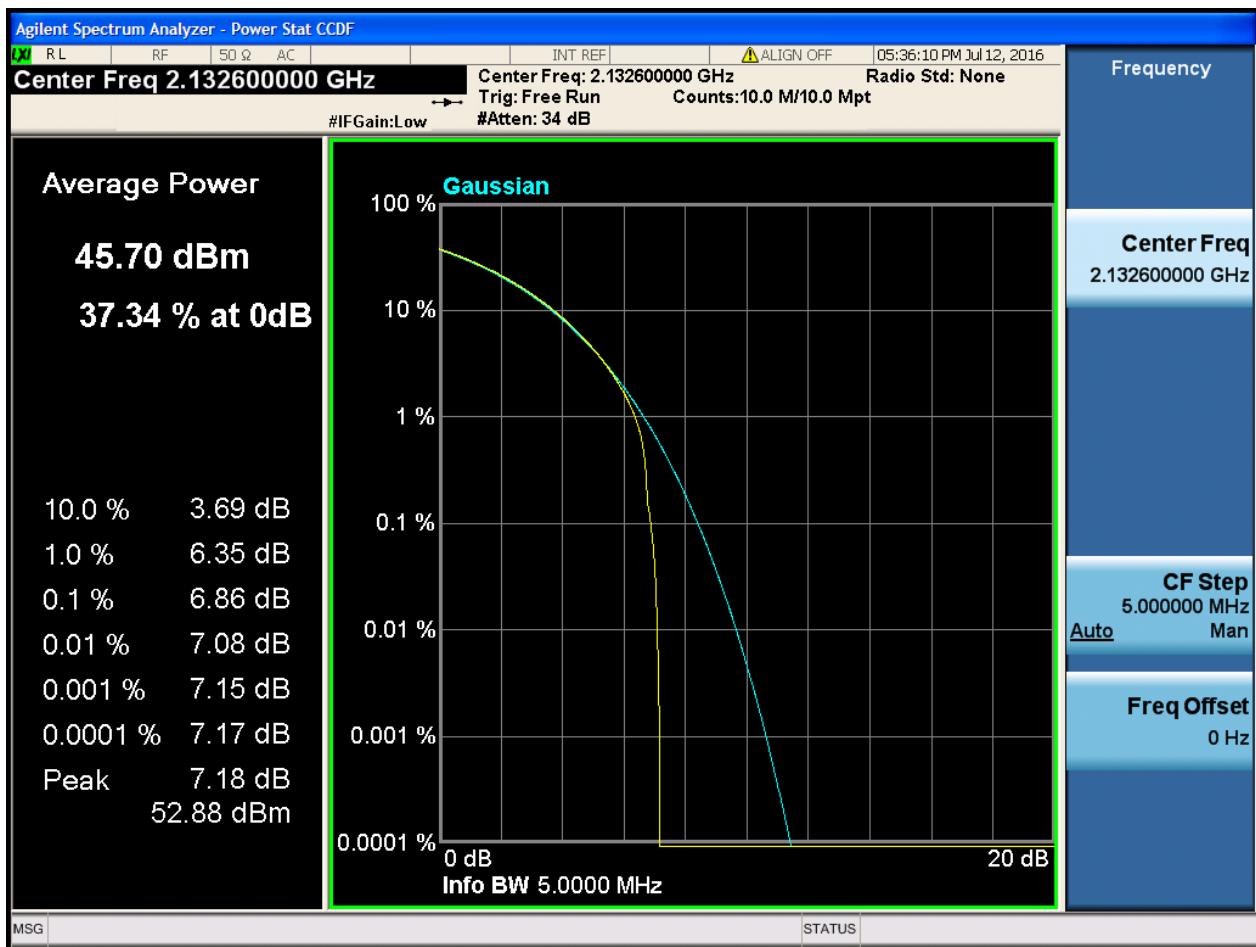


2.2.16 1U_TM1_B_Band4





2.2.17 1U_TM1_M_Band4

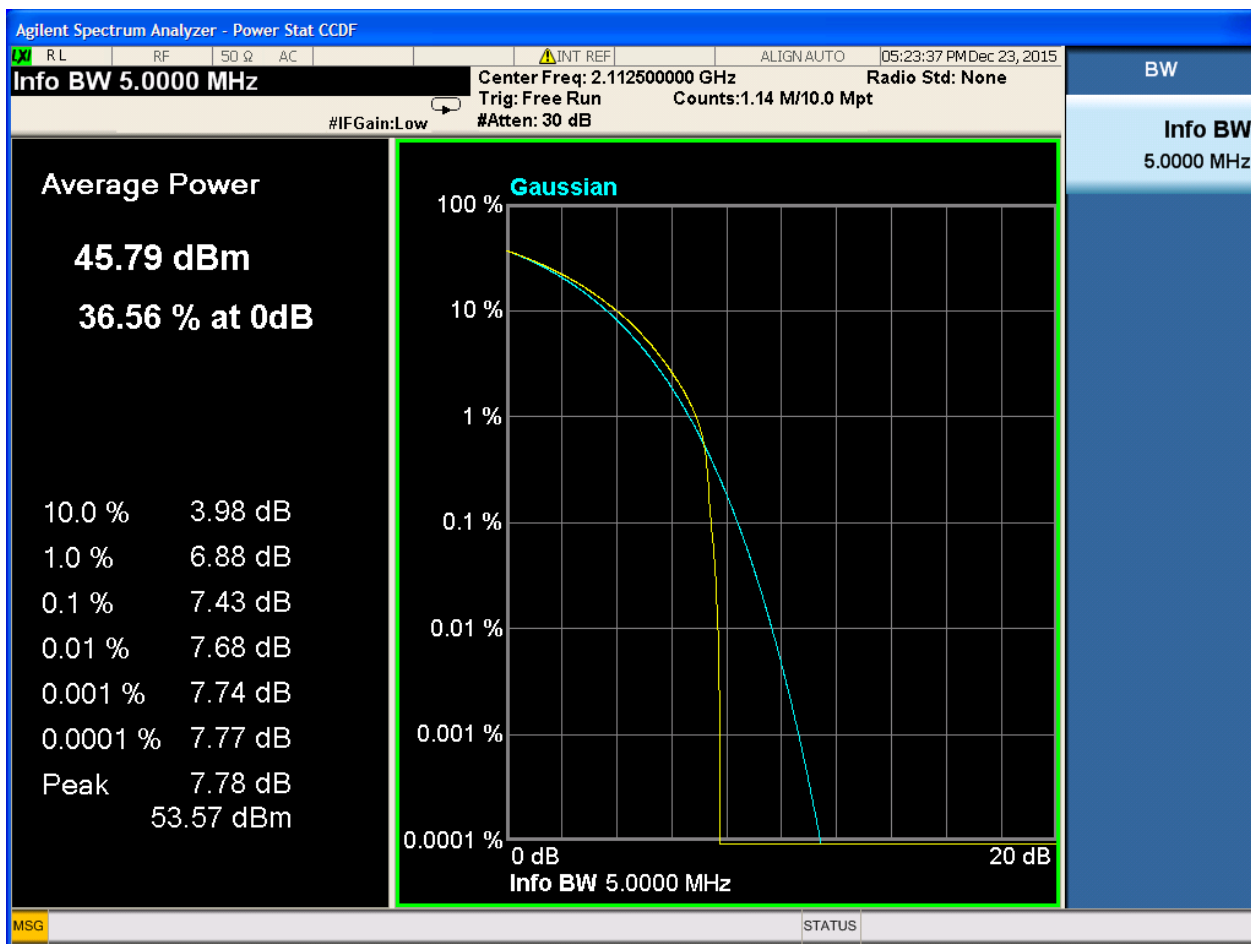




2.2.18 1U_TM1_T_Band4

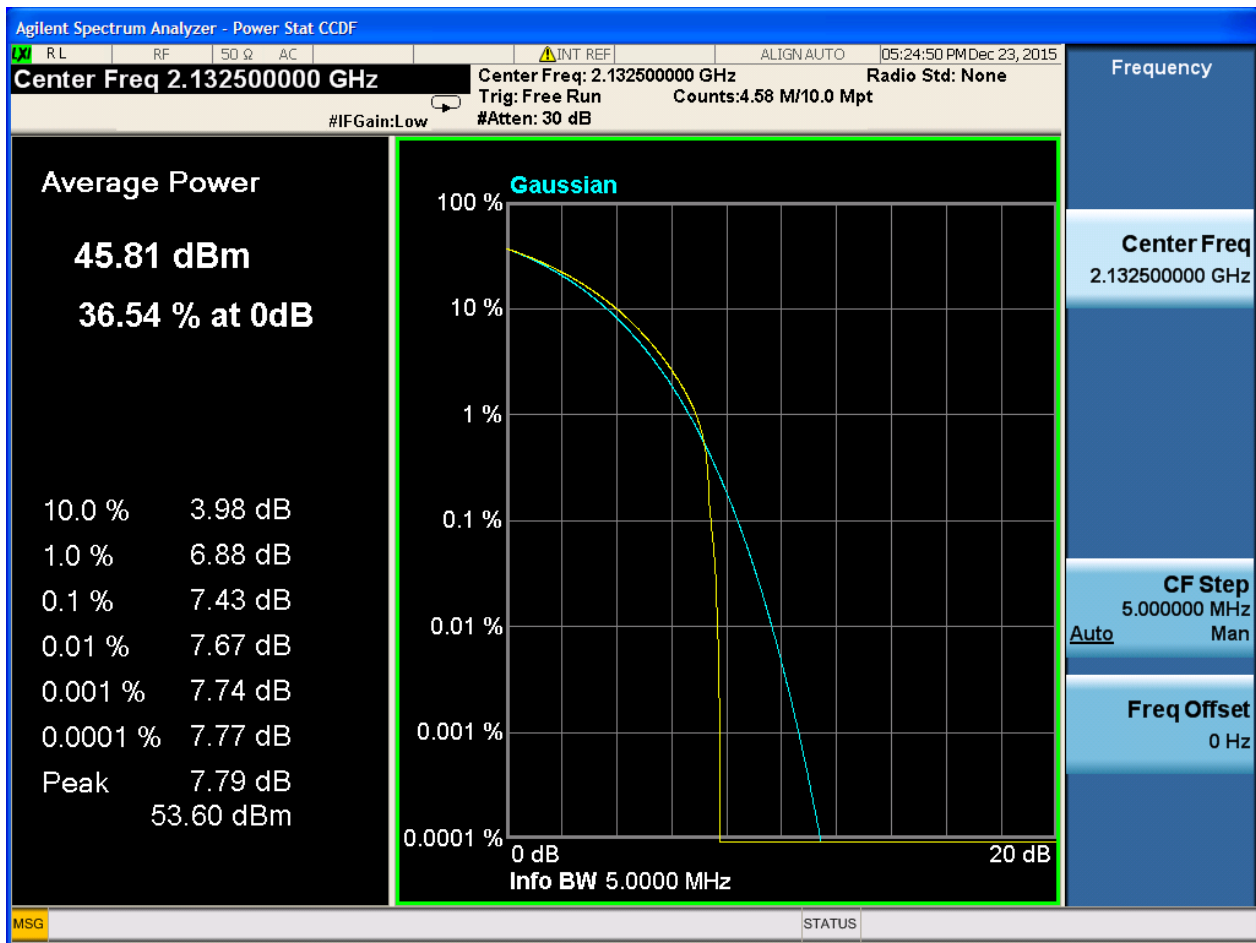


2.2.19 1L5M_TM1_B_Band4

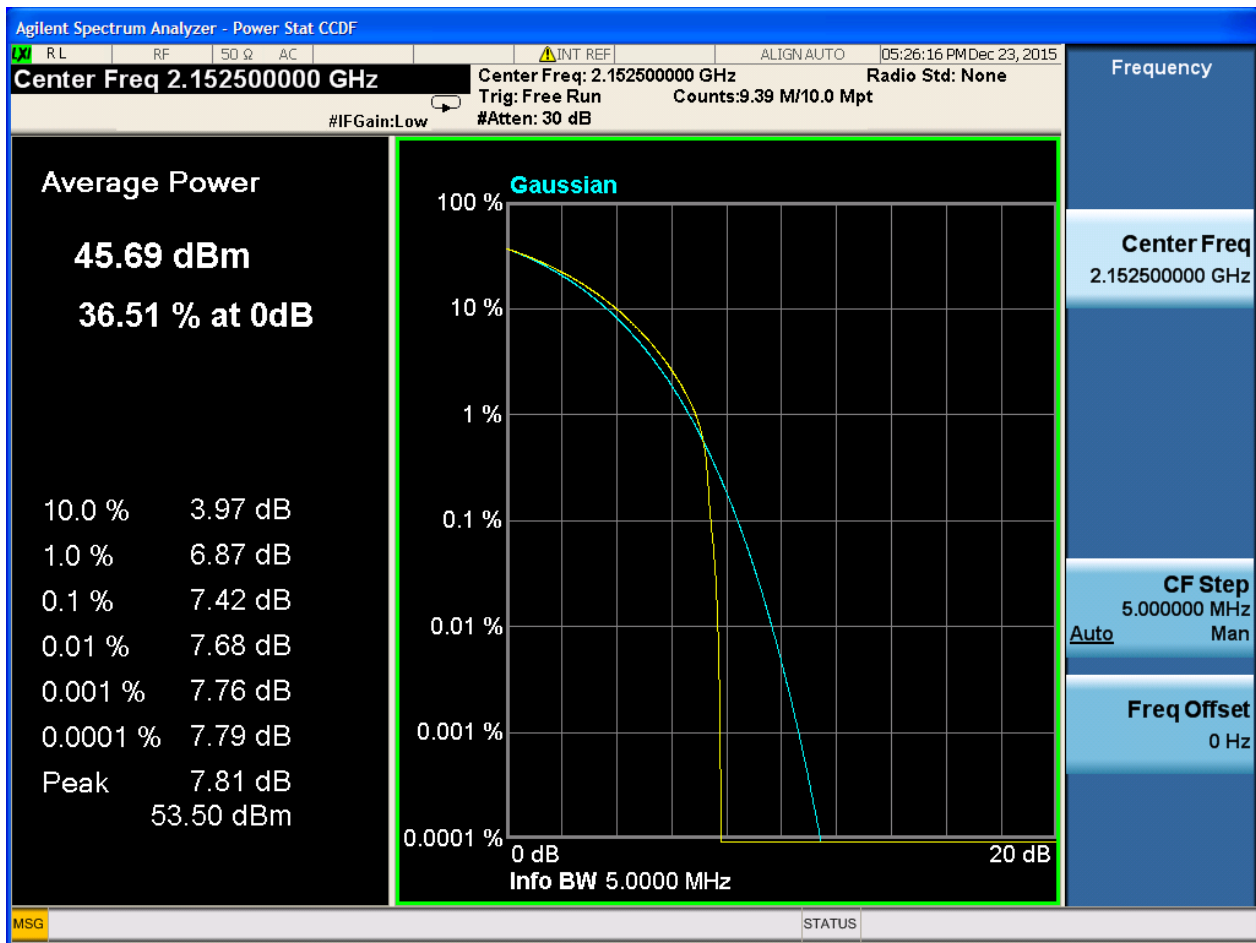




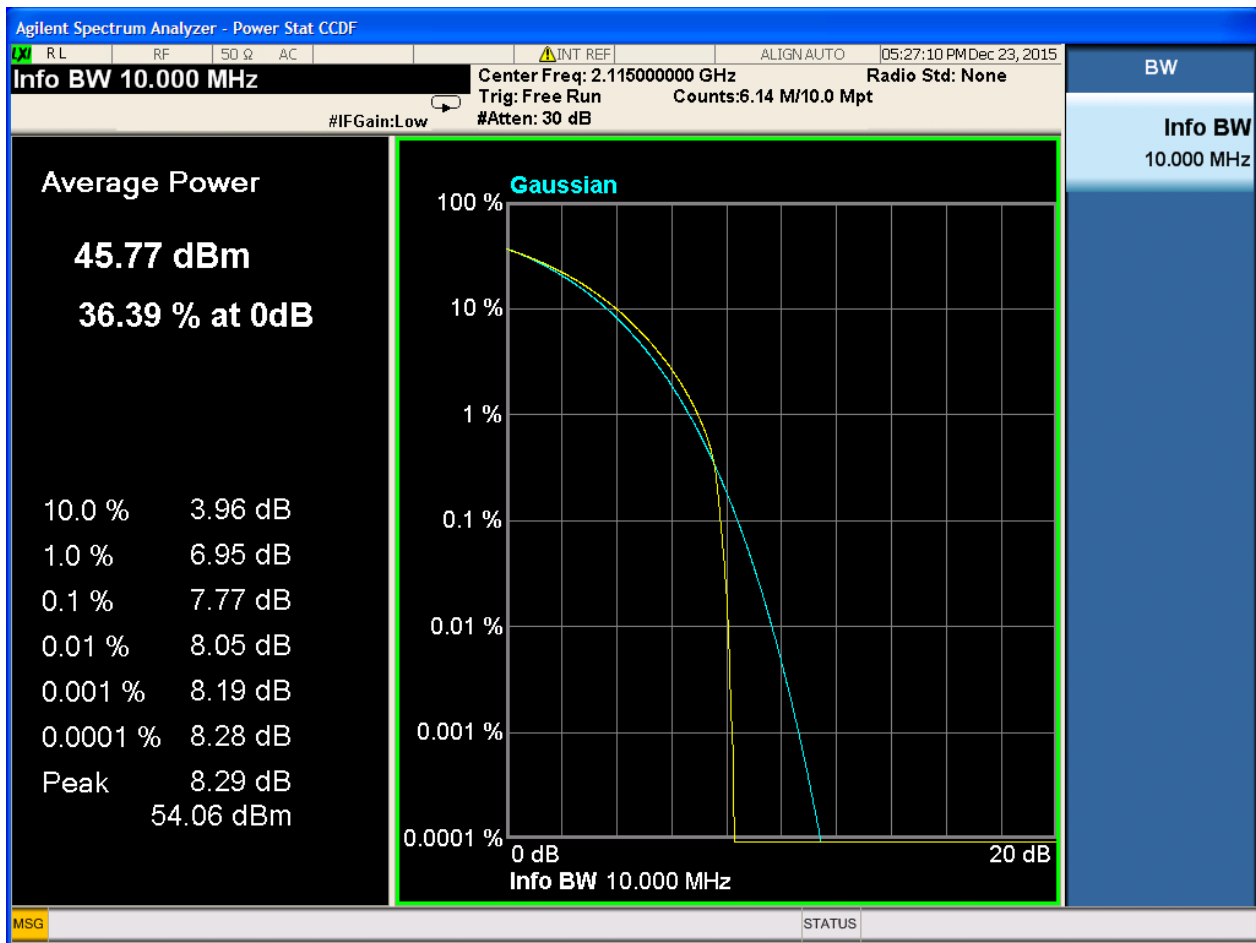
2.2.20 1L5M_TM1_M_Band4



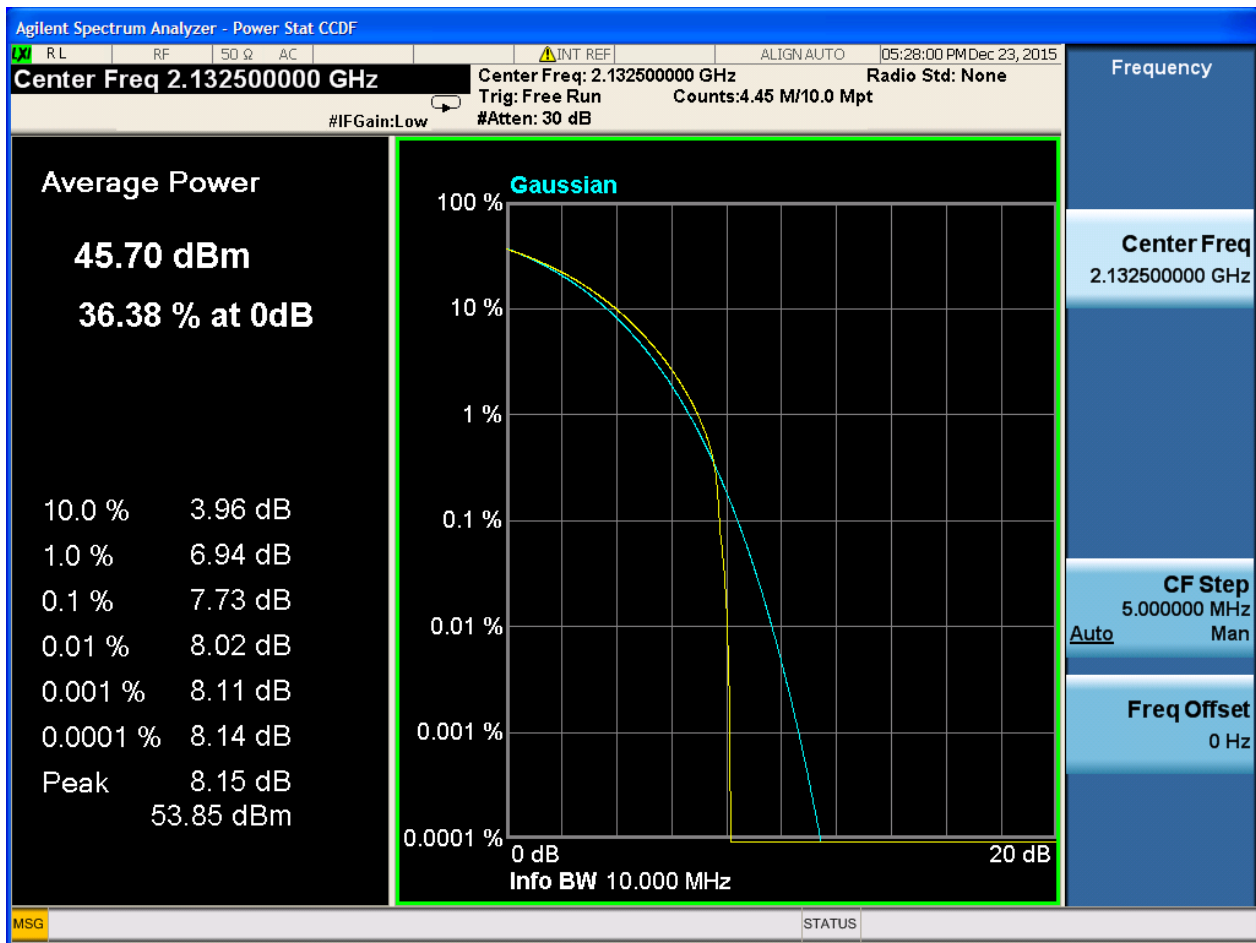
2.2.21 1L5M_TM1_T_Band4



2.2.22 1L10M_TM1_B_Band4

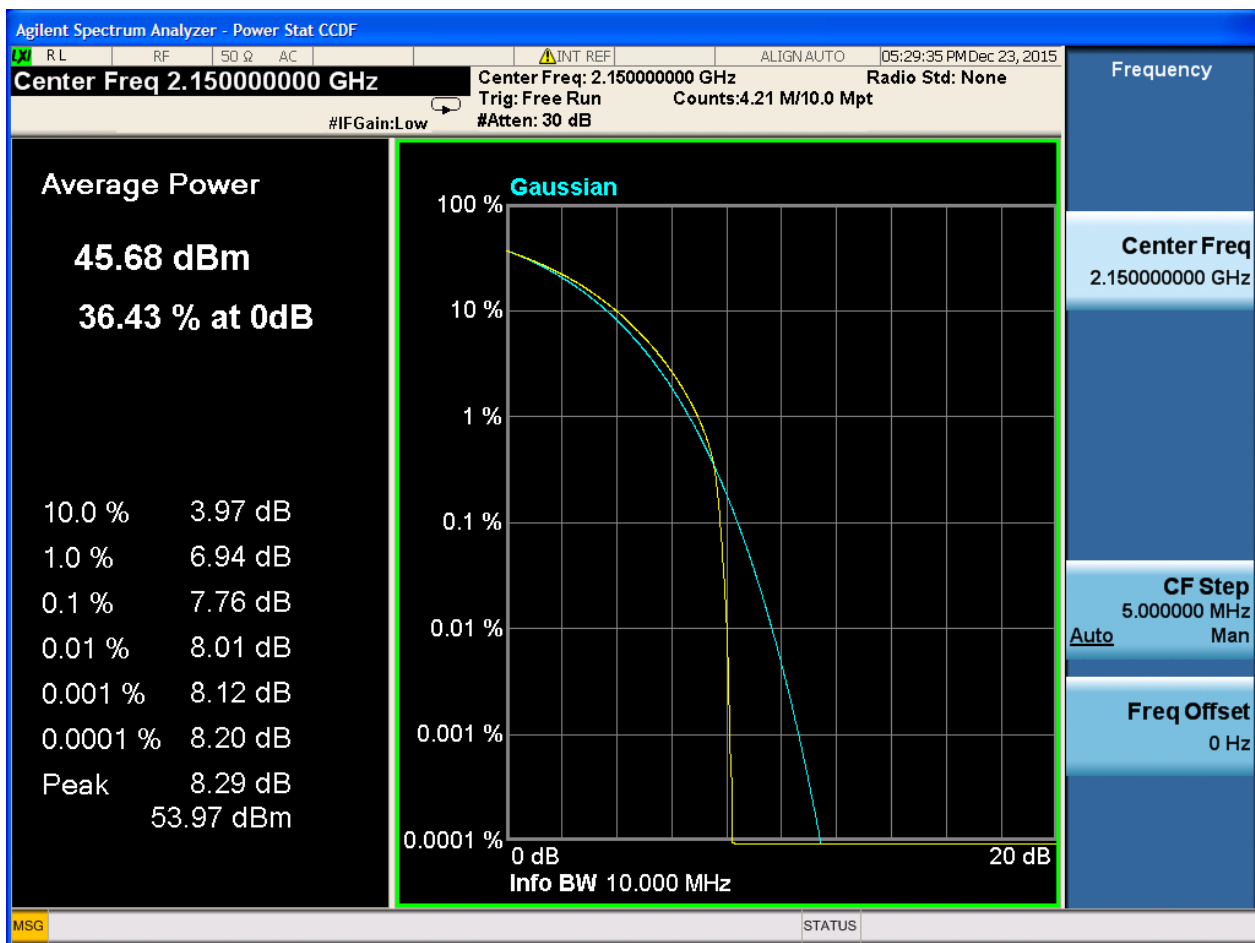


2.2.23 1L10M_TM1_M_Band4



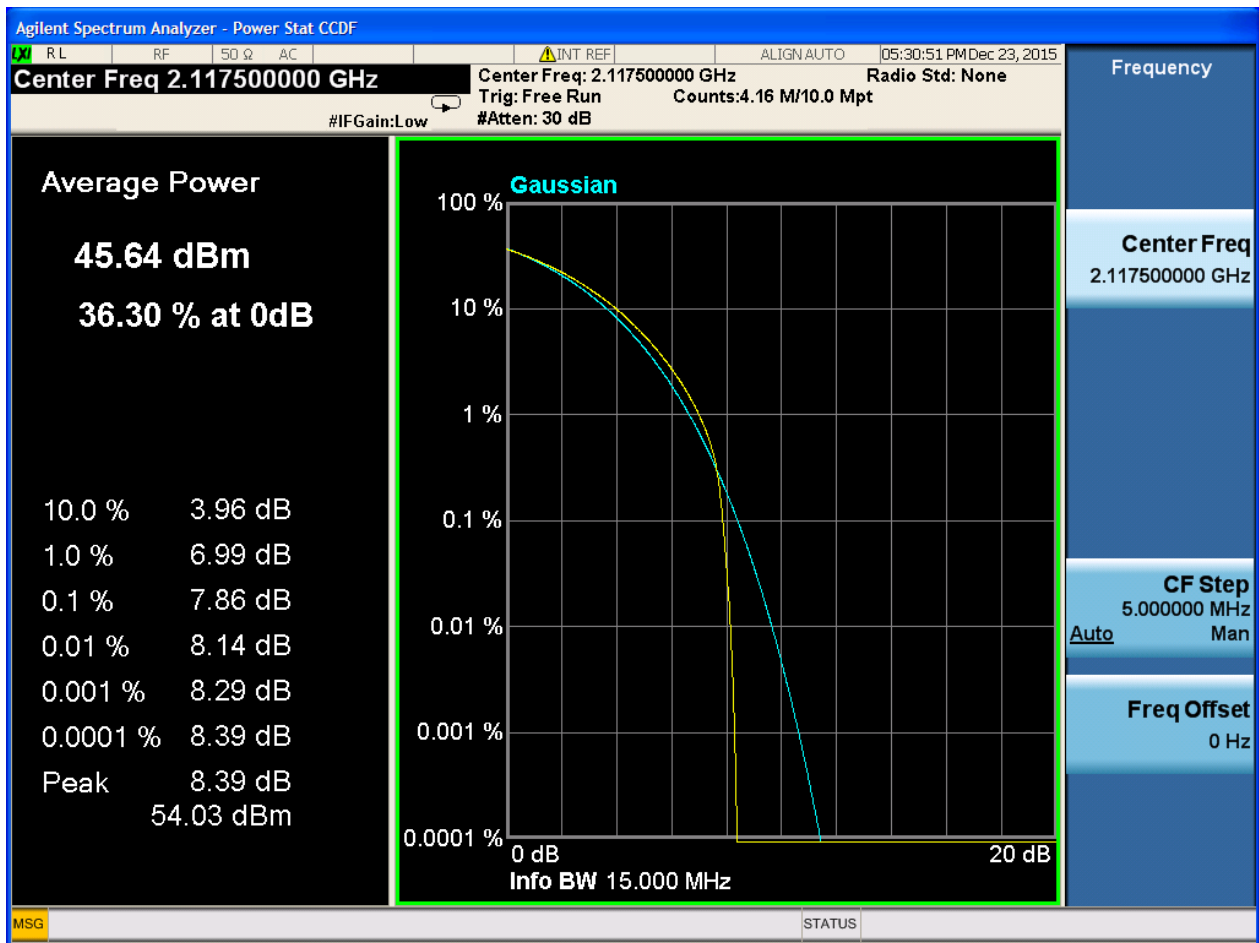


2.2.24 1L10M_TM1_T_Band4



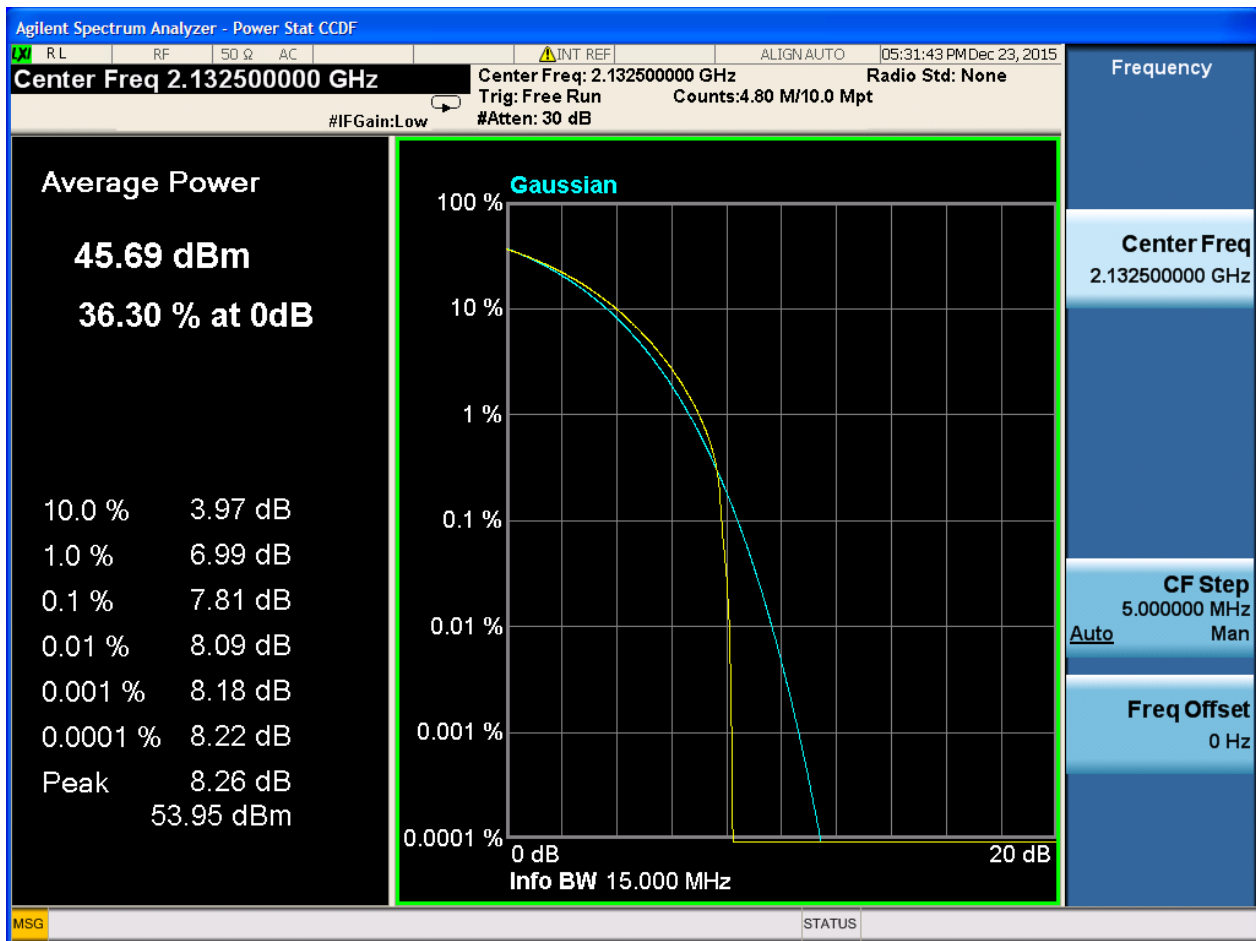


2.2.25 1L15M_TM1_B_Band4



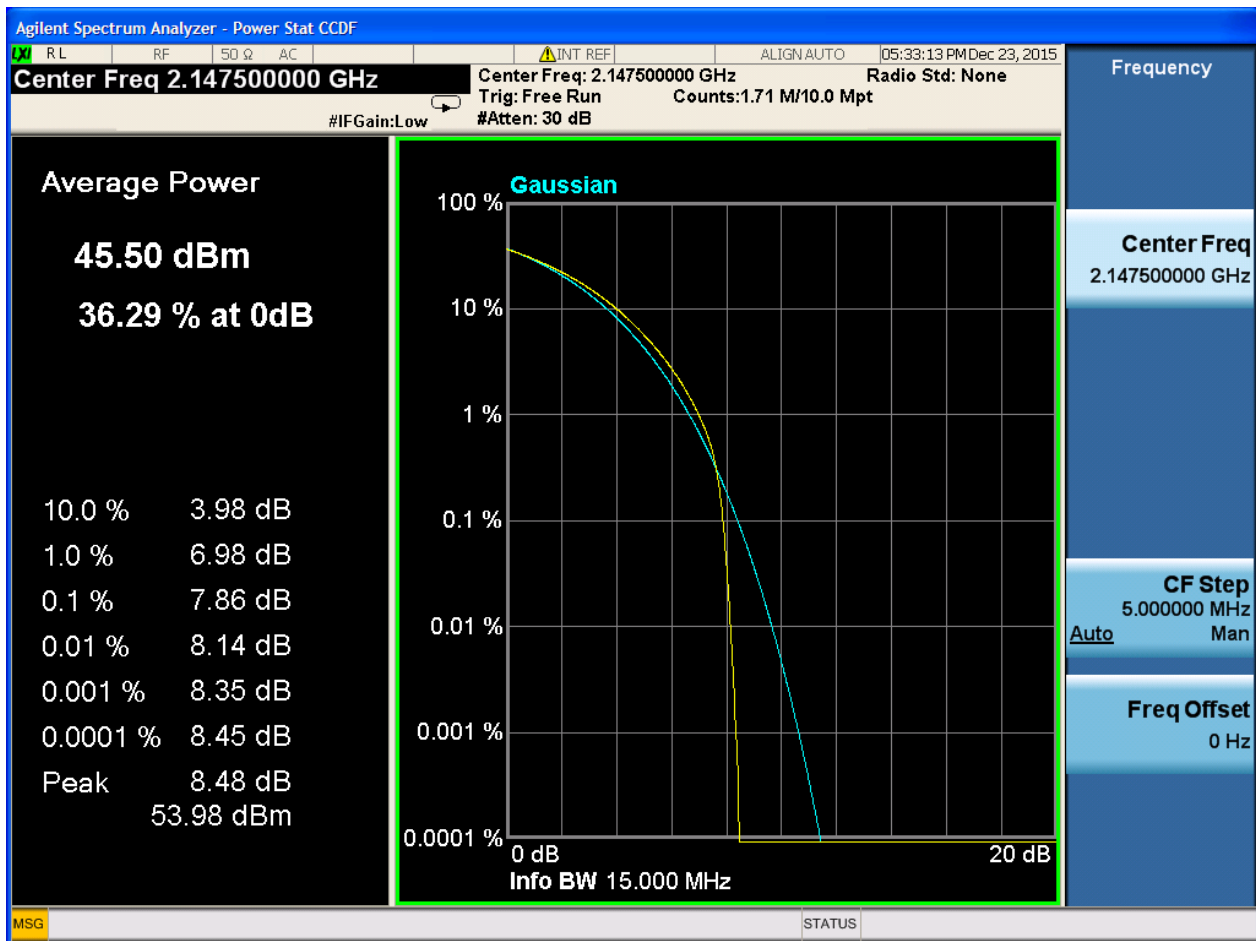


2.2.26 1L15M_TM1_M_Band4



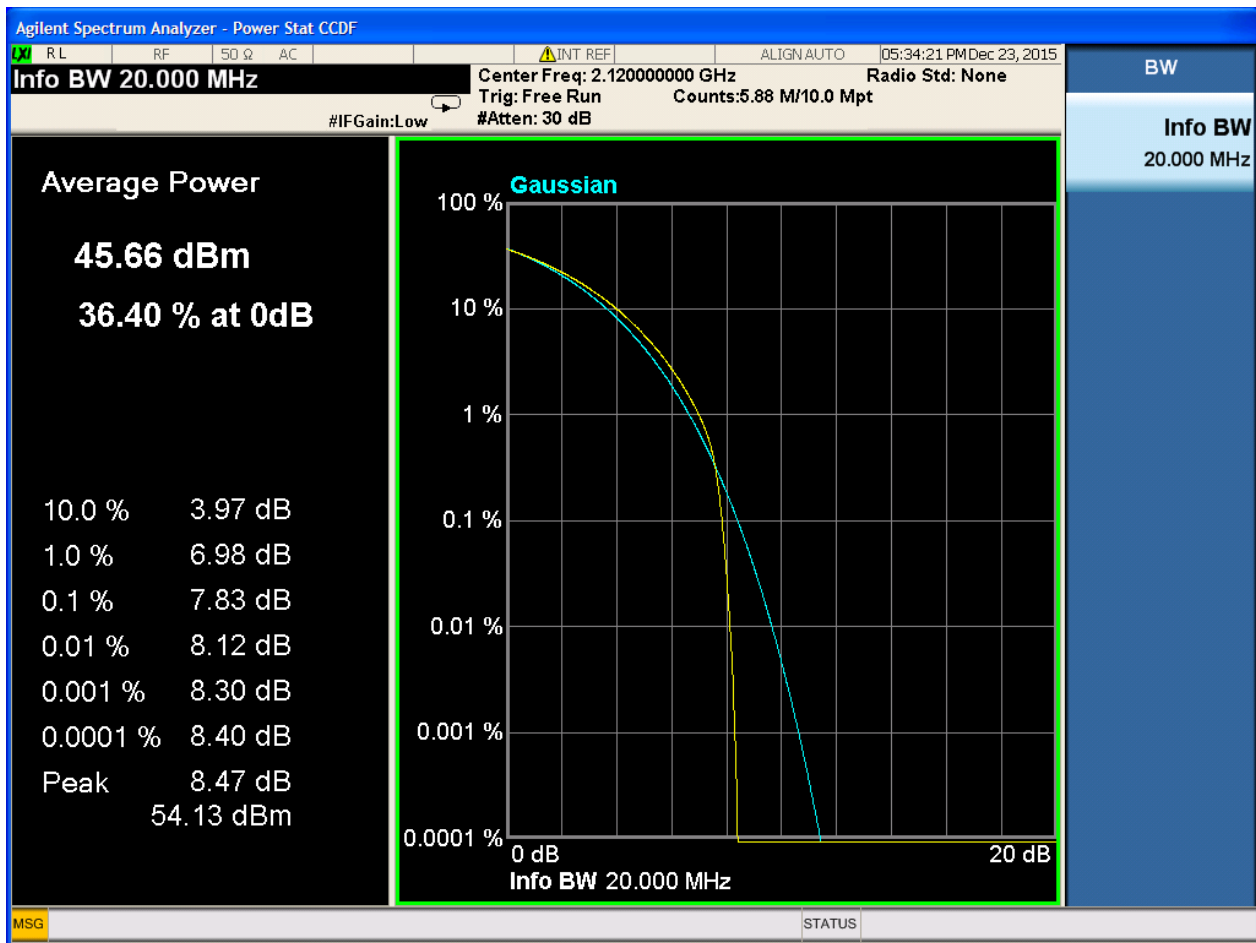


2.2.27 1L15M_TM1_T_Band4



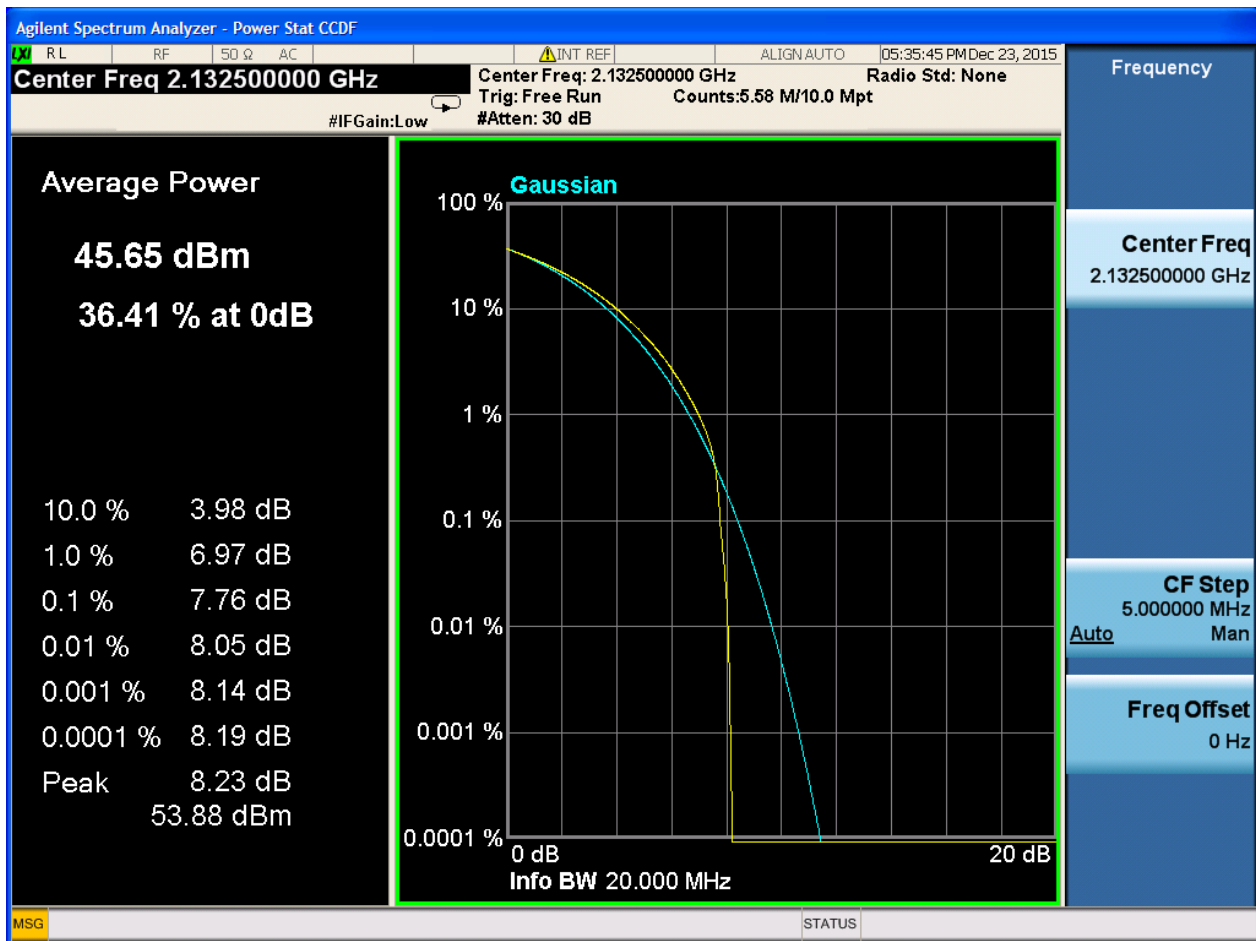


2.2.28 1L20M_TM1_B_Band4



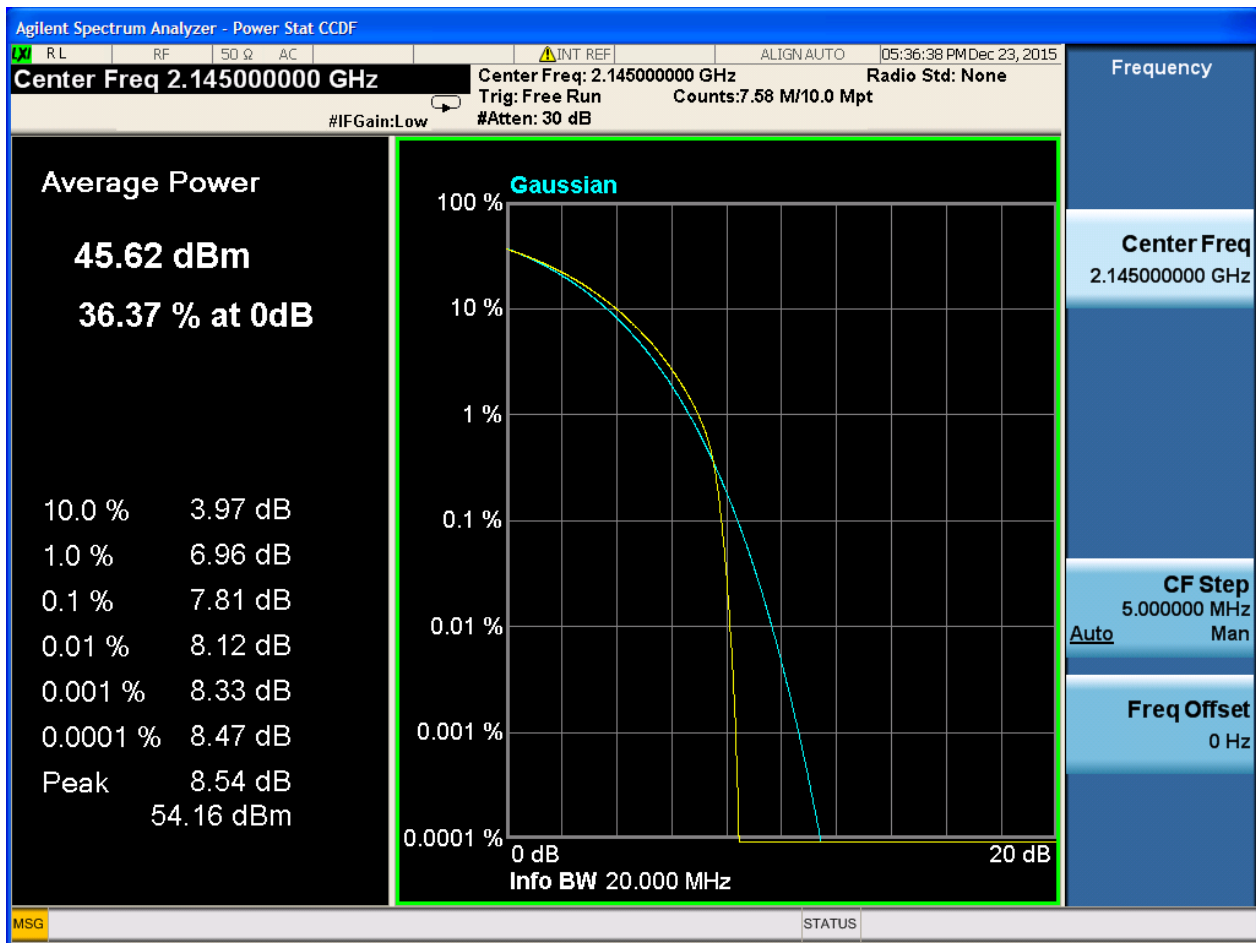


2.2.29 1L20M_TM1_M_Band4





2.2.30 1L20M_TM1_T_Band4





Appendix B: Bandwidth



1 Result Table

1.1 Occupied Bandwidth

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1U_TM1_B_Band2	4.143902	Pass
1U_TM1_M_Band2	4.135039	Pass
1U_TM1_T_Band2	4.127782	Pass
1L5M_TM1_B_Band2	4.491186	Pass
1L5M_TM1_M_Band2	4.49538	Pass
1L5M_TM1_T_Band2	4.4949	Pass
1L10M_TM1_B_Band2	8.97087	Pass
1L10M_TM1_M_Band2	8.972688	Pass
1L10M_TM1_T_Band2	8.974638	Pass
1L15M_TM1_B_Band2	13.48626	Pass
1L15M_TM1_M_Band2	13.49472	Pass
1L15M_TM1_T_Band2	13.48574	Pass
1L20M_TM1_B_Band2	17.94311	Pass
1L20M_TM1_M_Band2	17.93579	Pass
1L20M_TM1_T_Band2	17.9392	Pass
1U_TM1_B_Band4	4.155266	Pass
1U_TM1_M_Band4	4.158454	Pass
1U_TM1_T_Band4	4.156328	Pass
1L5M_TM1_B_Band4	4.500275	Pass
1L5M_TM1_M_Band4	4.496431	Pass
1L5M_TM1_T_Band4	4.497591	Pass
1L10M_TM1_B_Band4	8.97225	Pass
1L10M_TM1_M_Band4	8.971329	Pass
1L10M_TM1_T_Band4	8.985027	Pass
1L15M_TM1_B_Band4	13.50568	Pass
1L15M_TM1_M_Band4	13.50318	Pass
1L15M_TM1_T_Band4	13.49435	Pass
1L20M_TM1_B_Band4	17.97966	Pass
1L20M_TM1_M_Band4	17.97267	Pass
1L20M_TM1_T_Band4	17.93345	Pass

1.2 Emission Bandwidth

EUT Conf.	Emission Bandwidth, -26 dBc [MHz]	Verdict
1U_TM1_B_Band2	4.622464	Pass
1U_TM1_M_Band2	4.622336	Pass
1U_TM1_T_Band2	4.622464	Pass

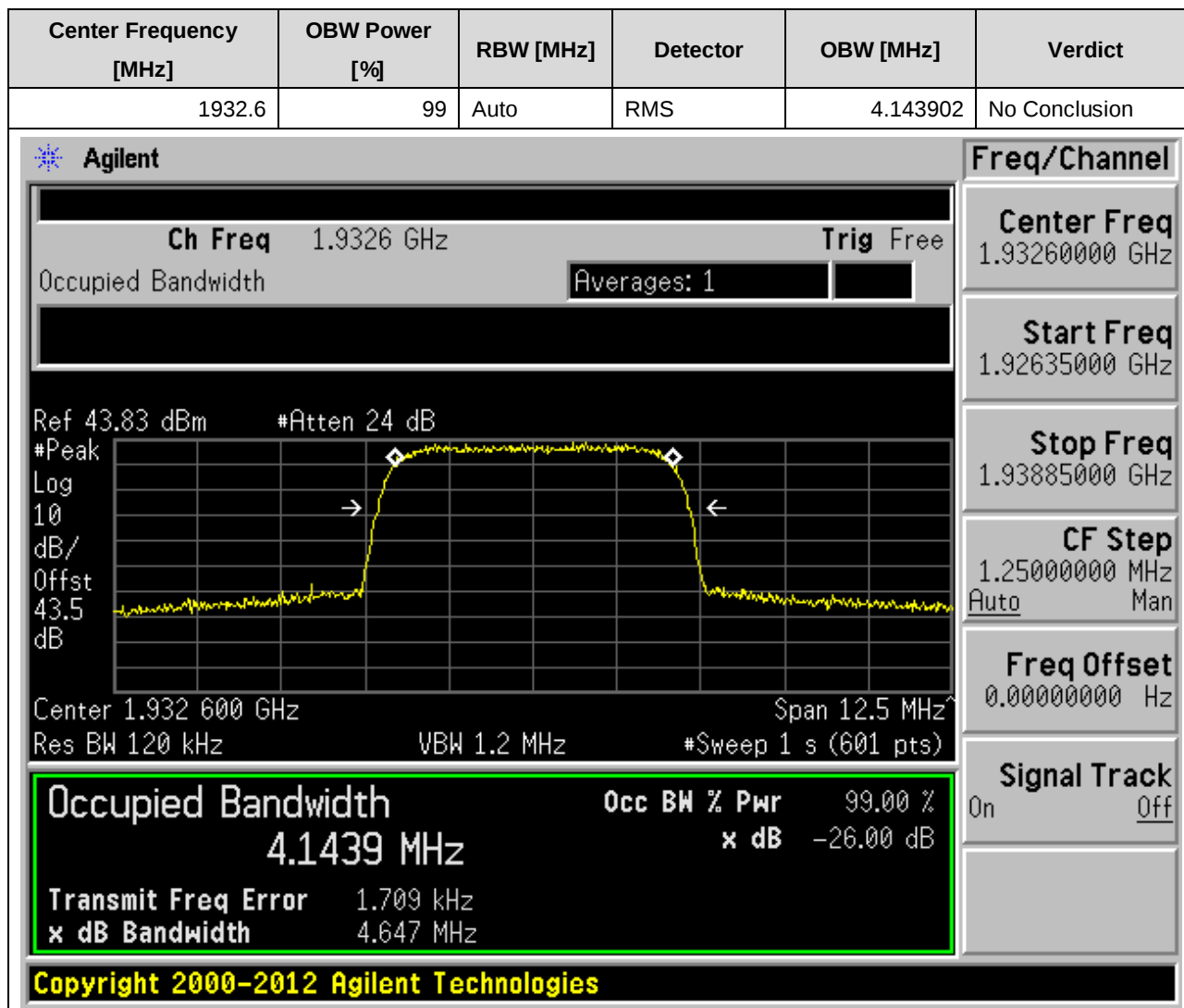


EUT Conf.	Emission Bandwidth, -26 dBc [MHz]	Verdict
1L5M_TM1_B_Band2	4.709248	Pass
1L5M_TM1_M_Band2	4.70912	Pass
1L5M_TM1_T_Band2	4.71424	Pass
1L10M_TM1_B_Band2	9.334784	Pass
1L10M_TM1_M_Band2	9.334784	Pass
1L10M_TM1_T_Band2	9.314432	Pass
1L15M_TM1_B_Band2	13.945216	Pass
1L15M_TM1_M_Band2	13.98592	Pass
1L15M_TM1_T_Band2	13.914624	Pass
1L20M_TM1_B_Band2	18.544768	Pass
1L20M_TM1_M_Band2	18.575232	Pass
1L20M_TM1_T_Band2	18.538624	Pass
1U_TM1_B_Band4	4.694	Pass
1U_TM1_M_Band4	4.694	Pass
1U_TM1_T_Band4	4.683	Pass
1L5M_TM1_B_Band4	4.719488	Pass
1L5M_TM1_M_Band4	4.704128	Pass
1L5M_TM1_T_Band4	4.71936	Pass
1L10M_TM1_B_Band4	9.324672	Pass
1L10M_TM1_M_Band4	9.314432	Pass
1L10M_TM1_T_Band4	9.324672	Pass
1L15M_TM1_B_Band4	13.975808	Pass
1L15M_TM1_M_Band4	13.97568	Pass
1L15M_TM1_T_Band4	13.950336	Pass
1L20M_TM1_B_Band4	18.538624	Pass
1L20M_TM1_M_Band4	18.538752	Pass
1L20M_TM1_T_Band4	18.575232	Pass

2 Test Plot

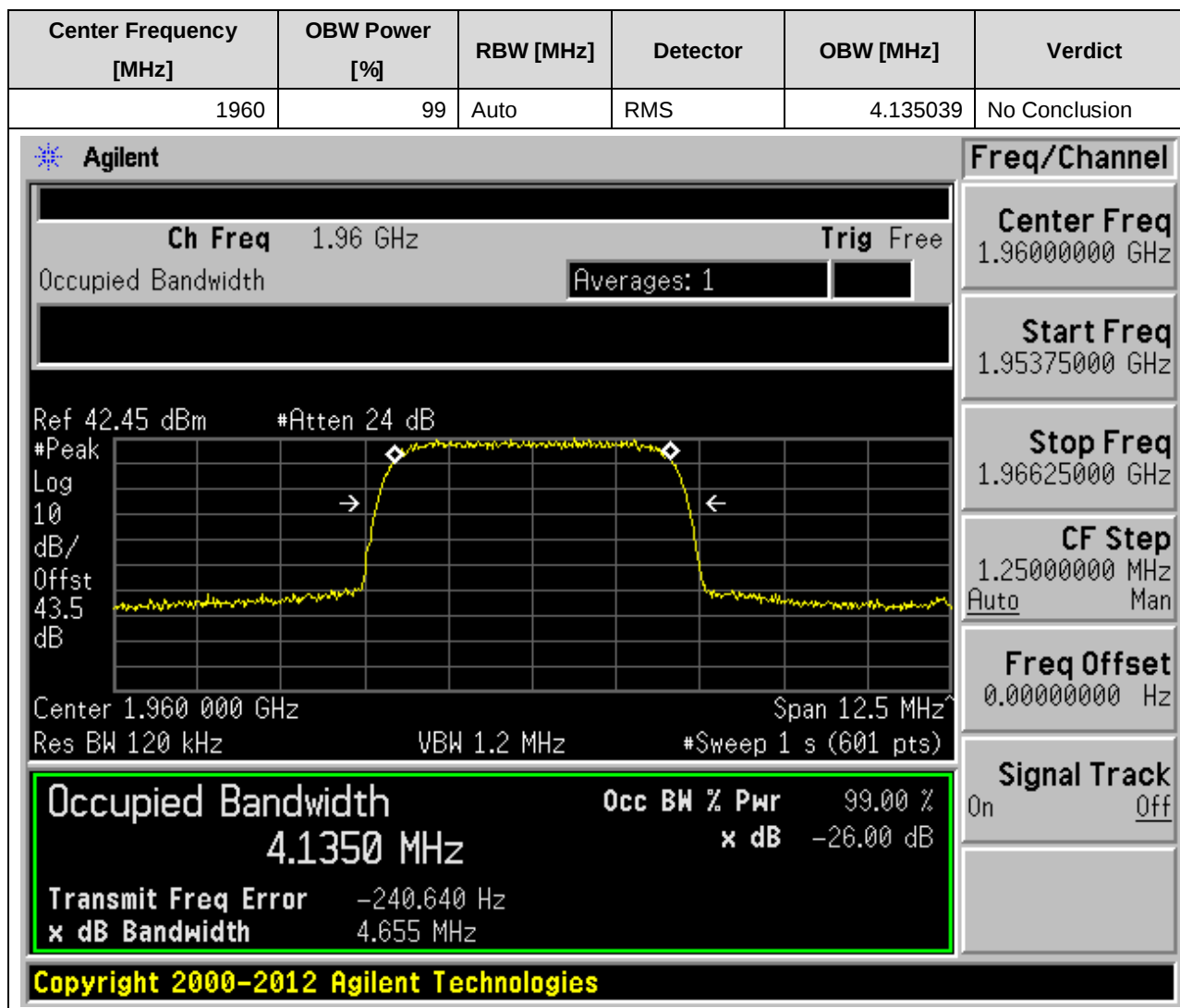
2.1 Occupied Bandwidth

2.1.1 1U_TM1_B_Band2



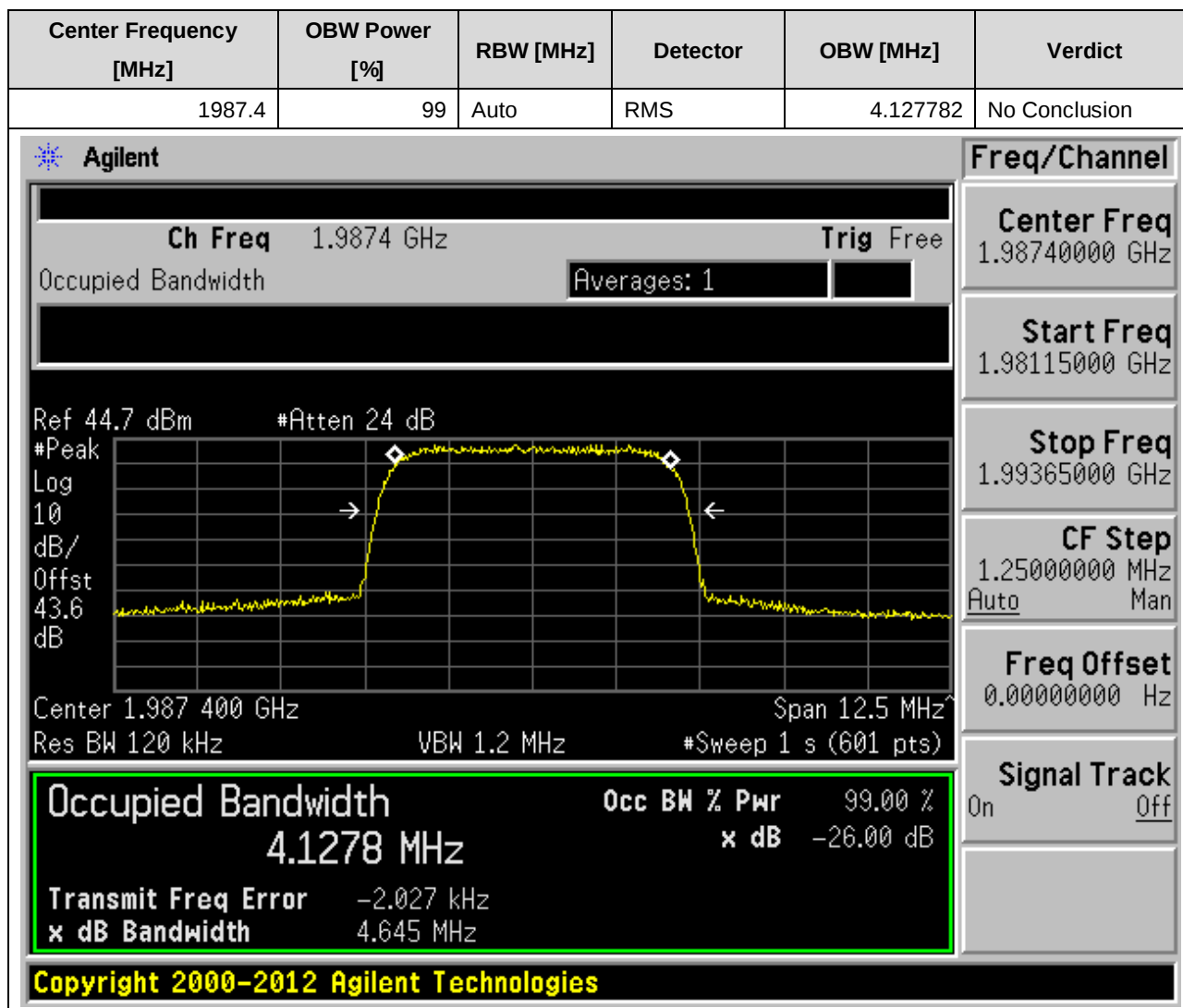


2.1.2 1U_TM1_M_Band2



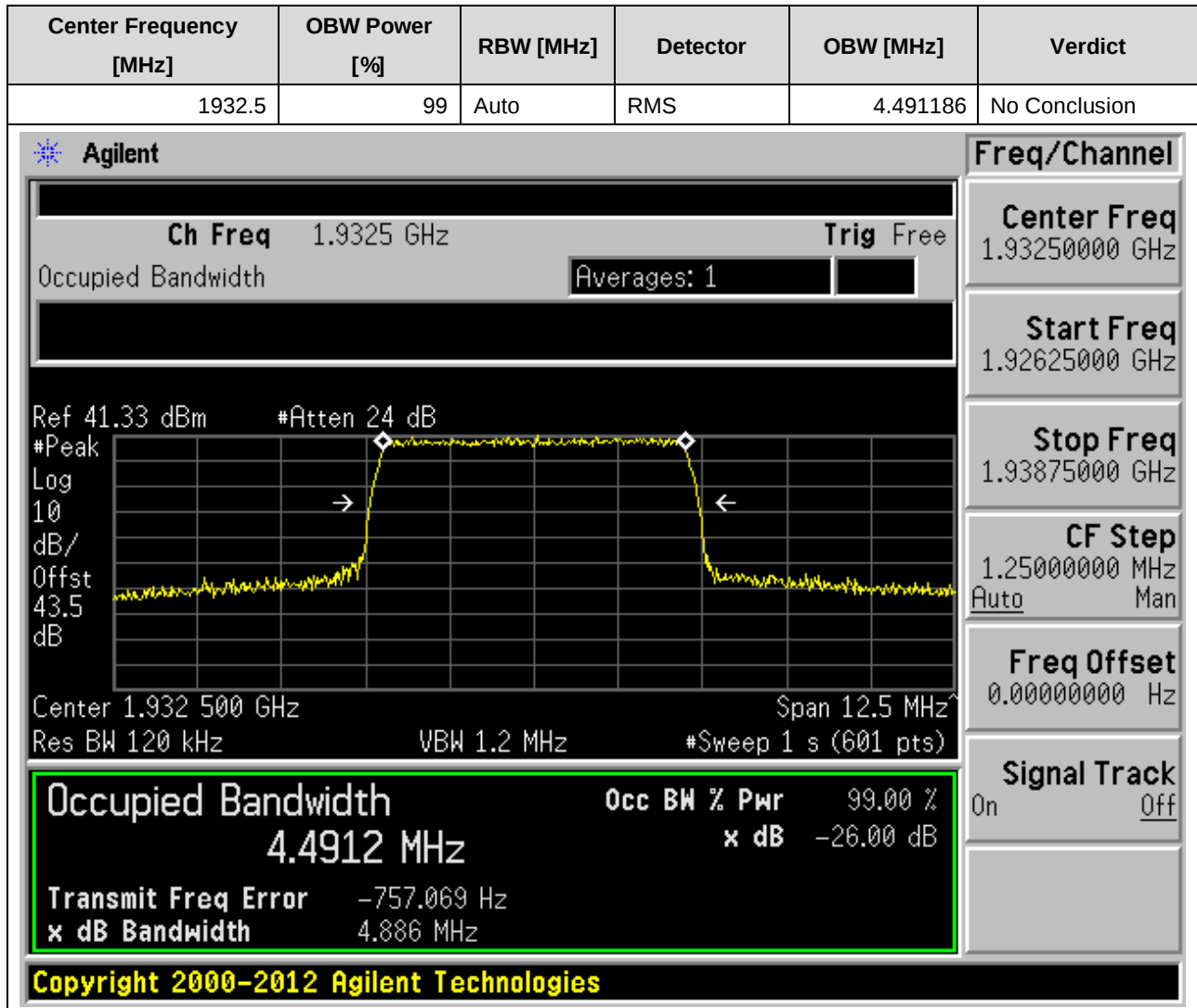


2.1.3 1U_TM1_T_Band2



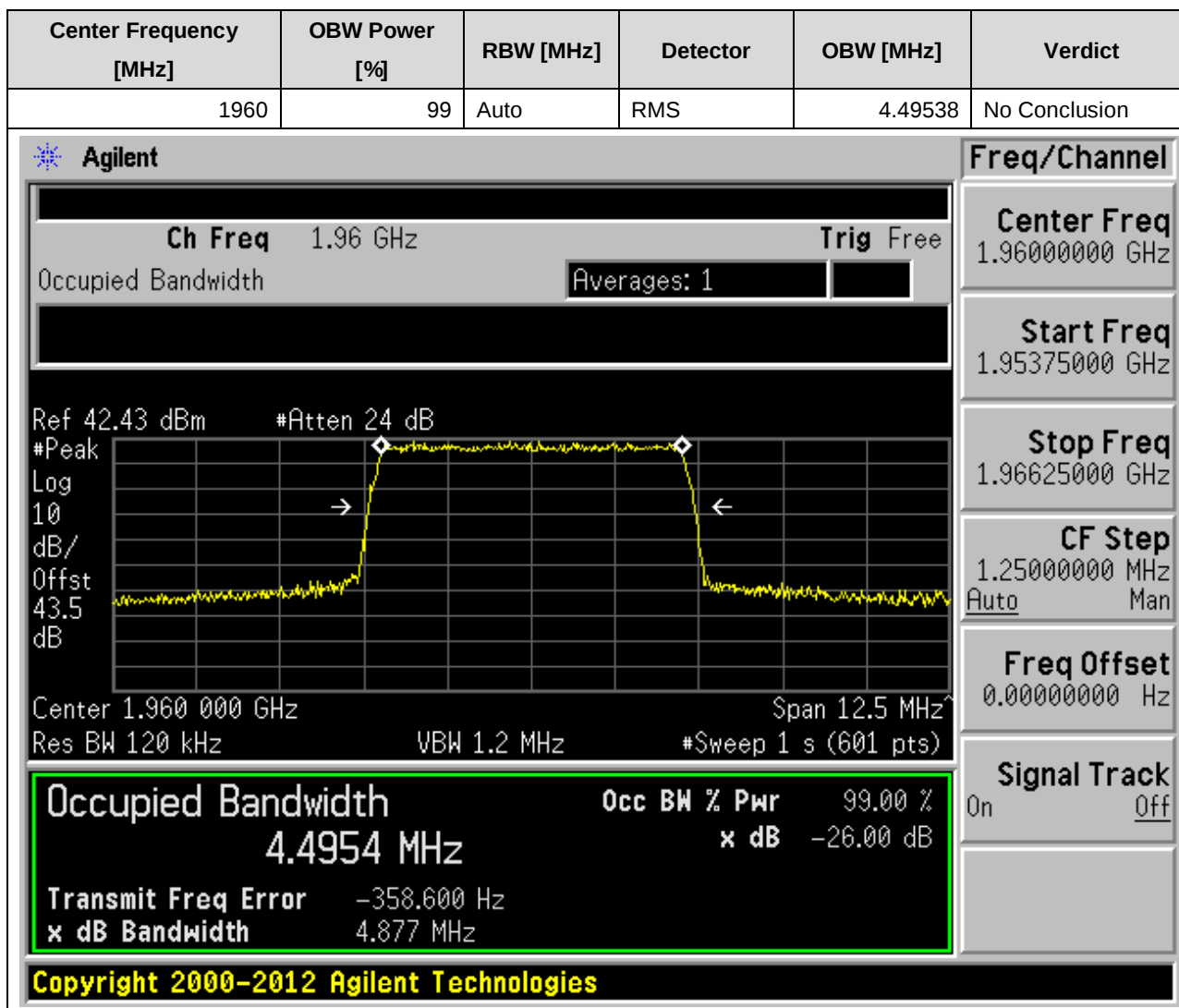


2.1.4 1L5M_TM1_B_Band2



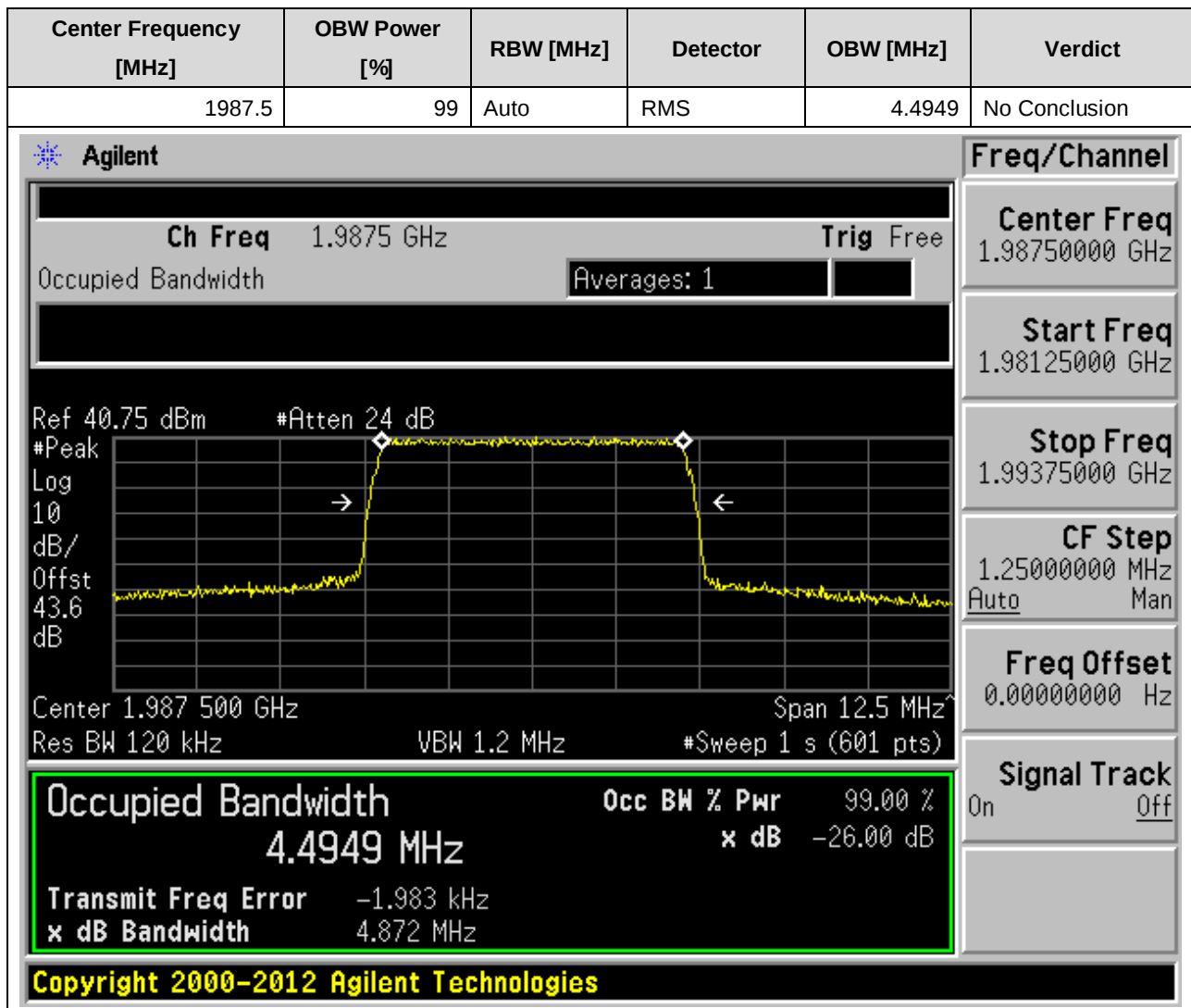


2.1.5 1L5M_TM1_M_Band2



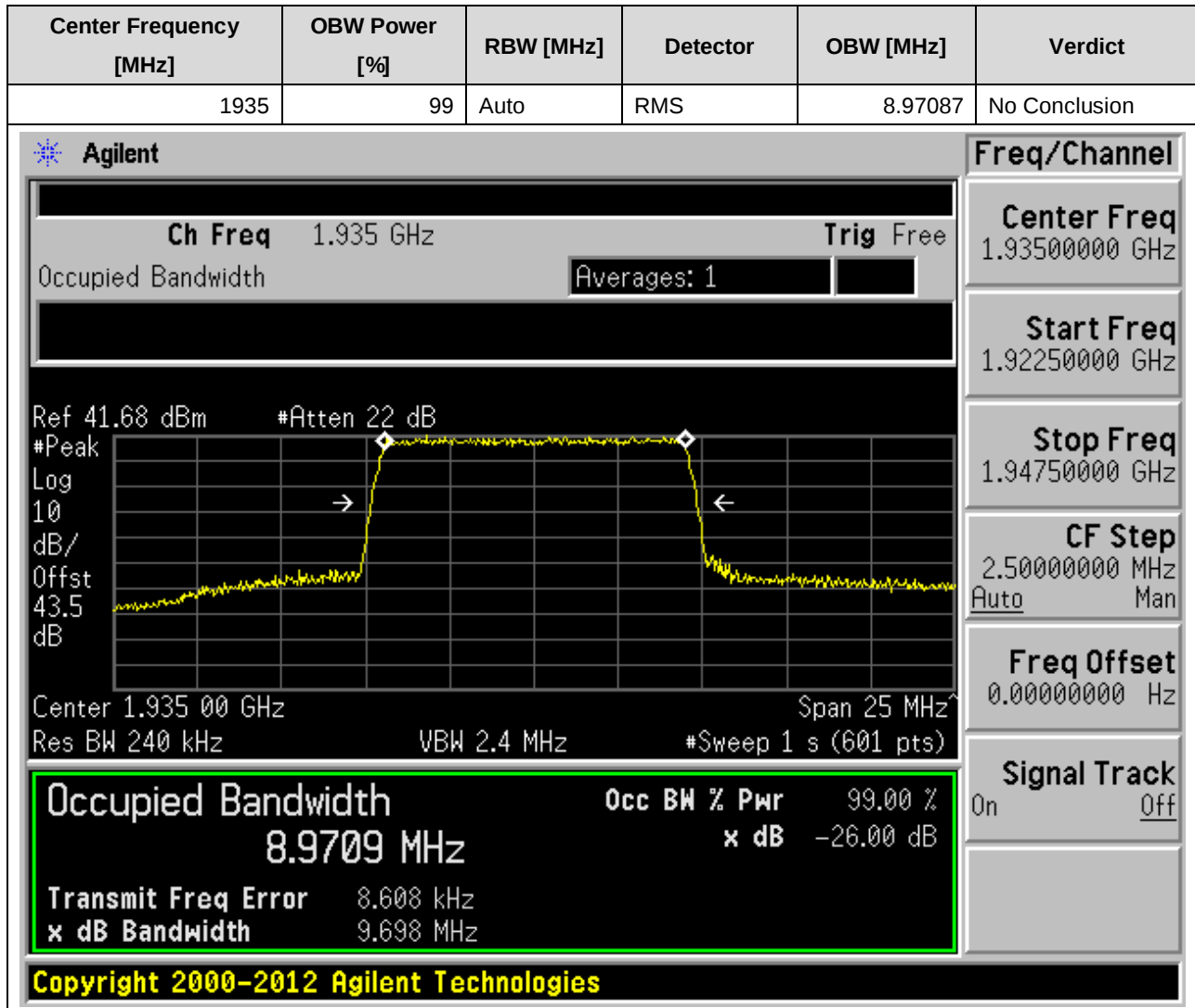


2.1.6 1L5M_TM1_T_Band2

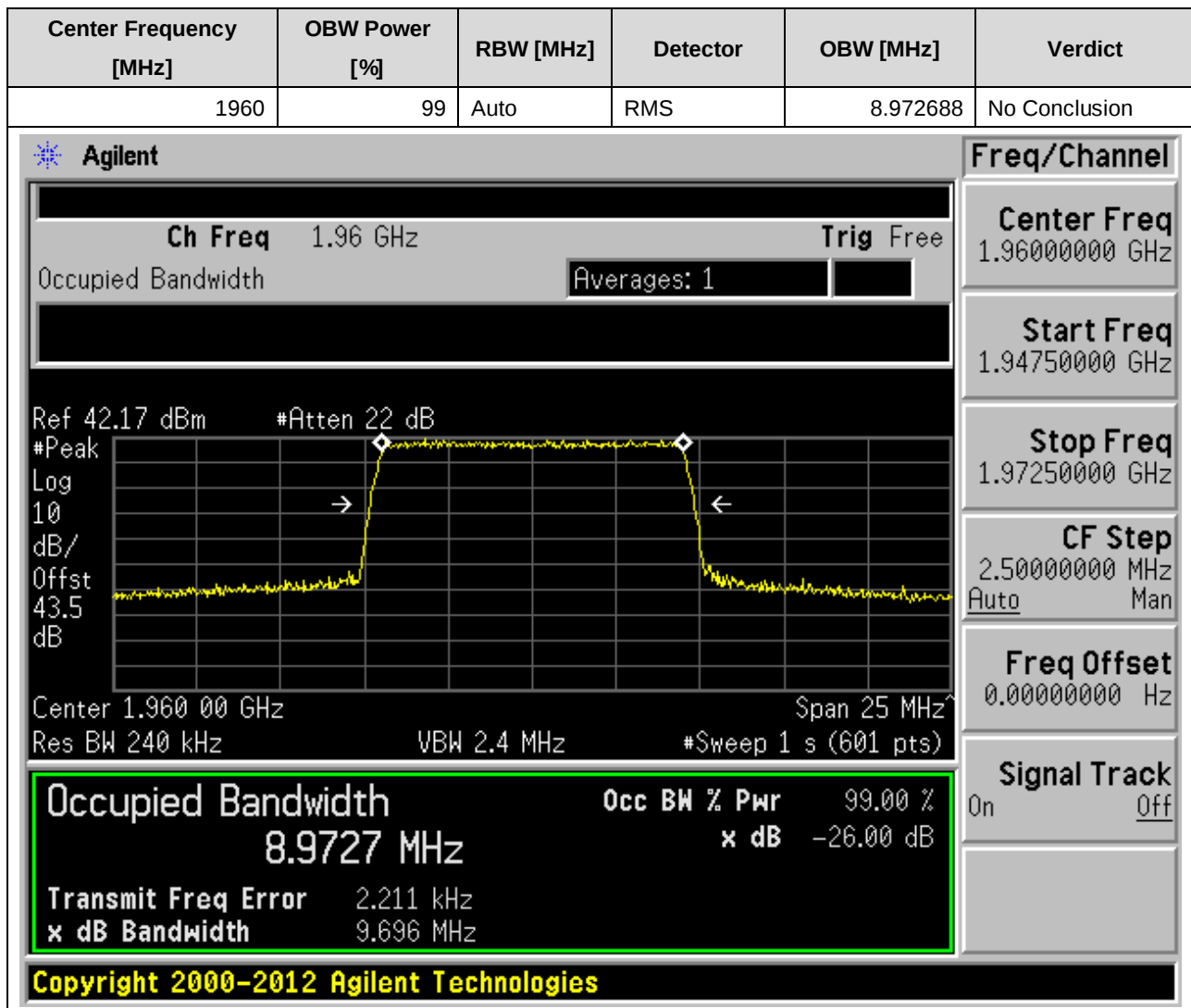




2.1.7 1L10M_TM1_B_Band2

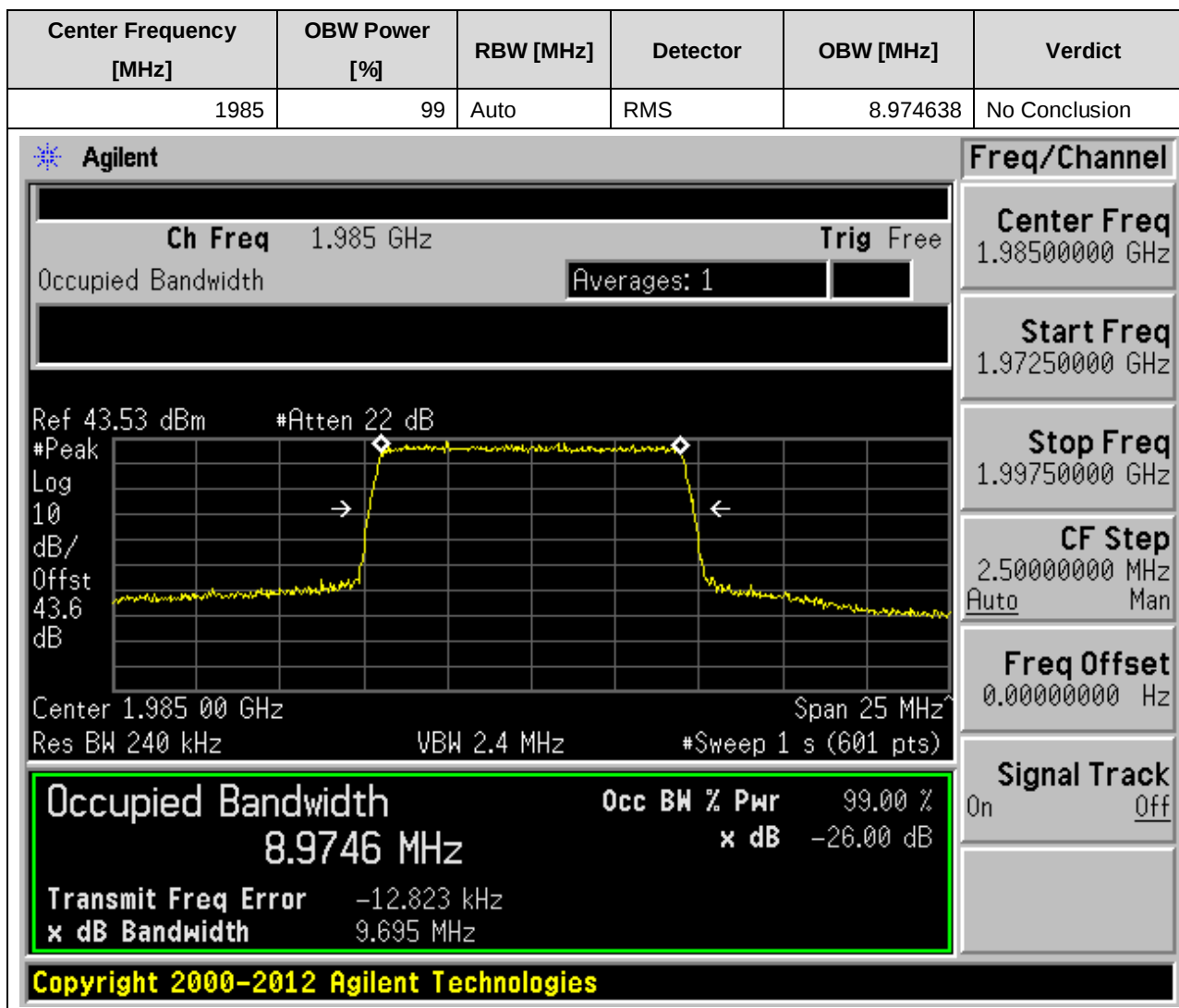


2.1.8 1L10M_TM1_M_Band2



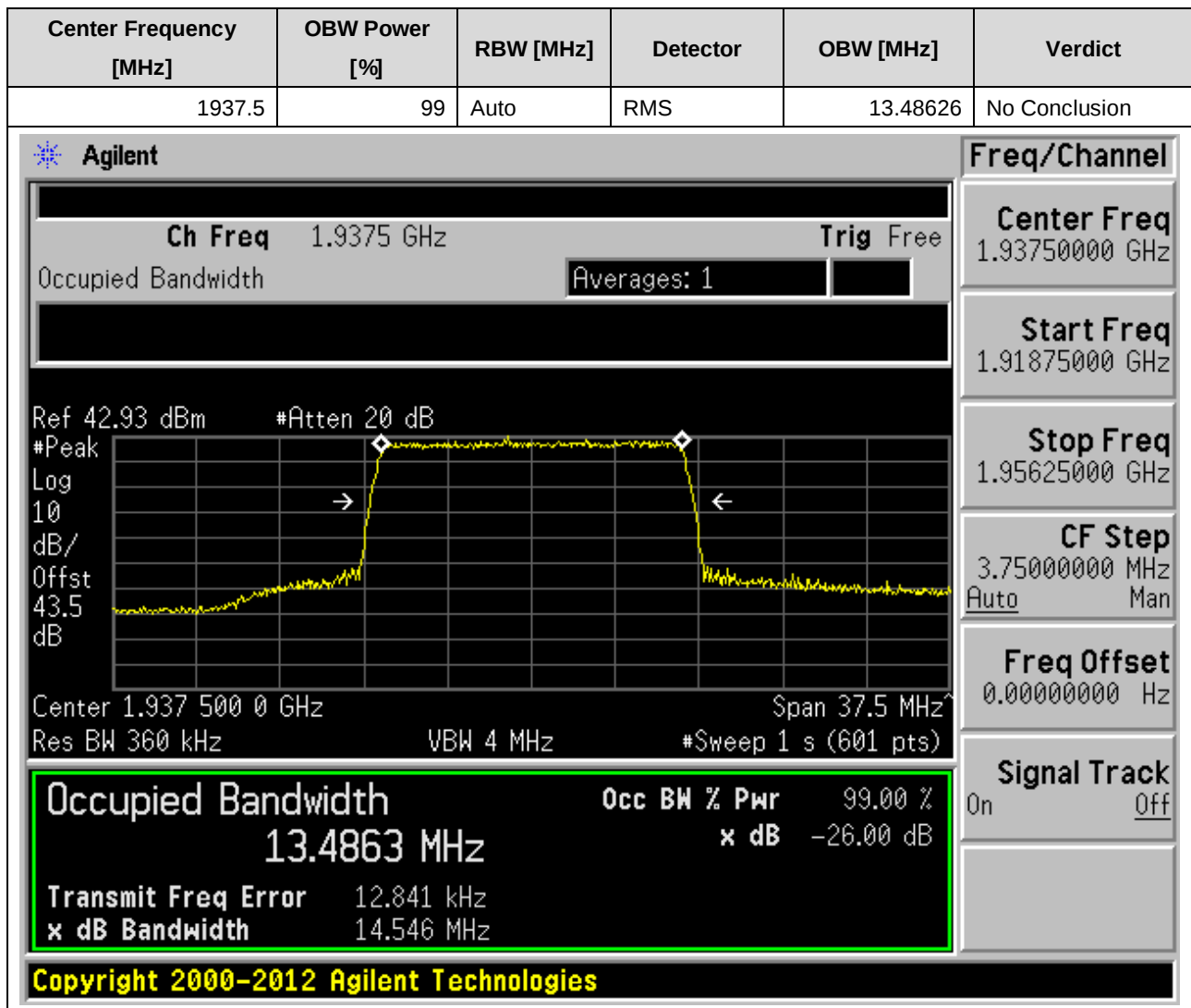


2.1.9 1L10M_TM1_T_Band2



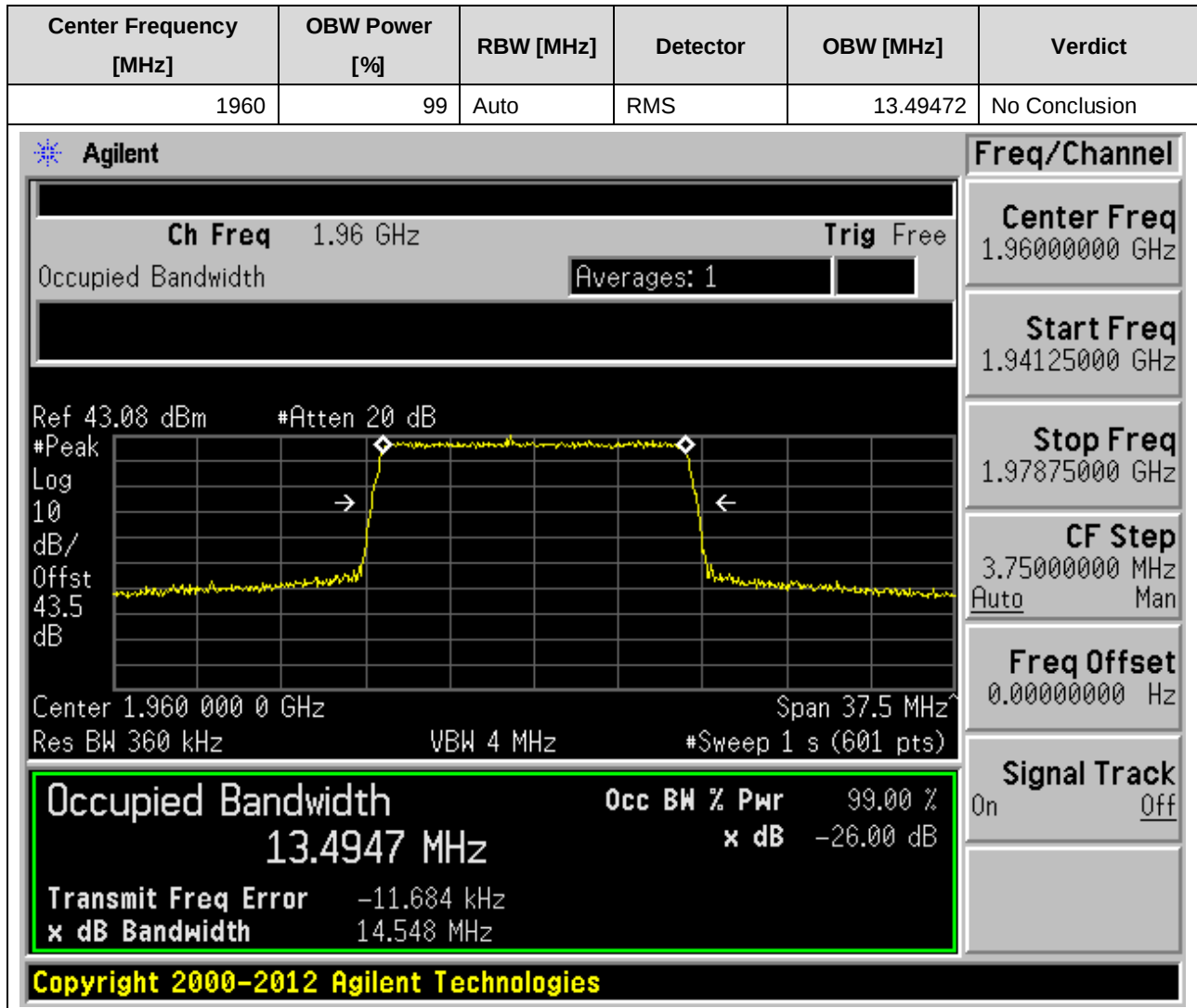


2.1.10 1L15M_TM1_B_Band2



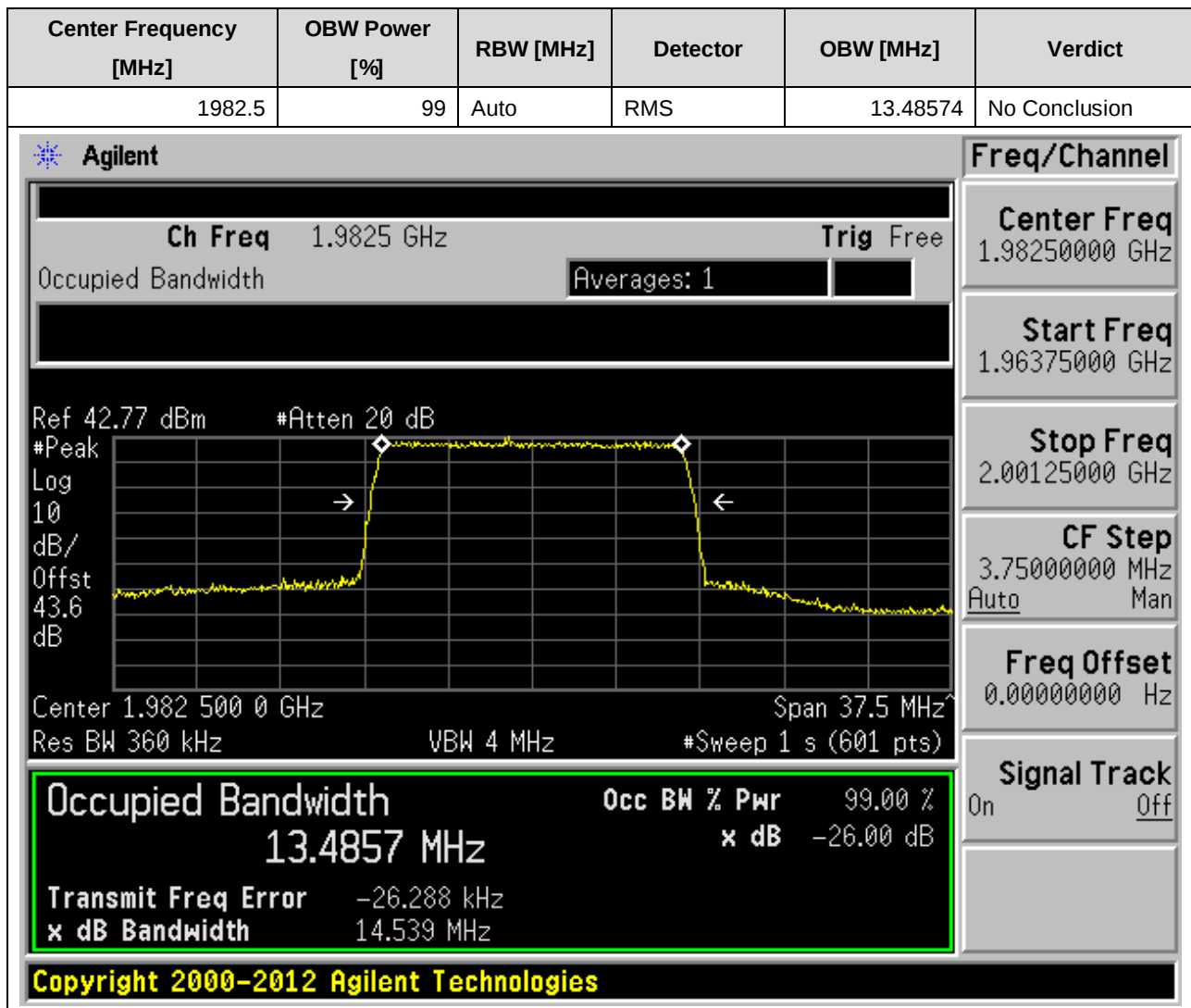


2.1.11 1L15M_TM1_M_Band2



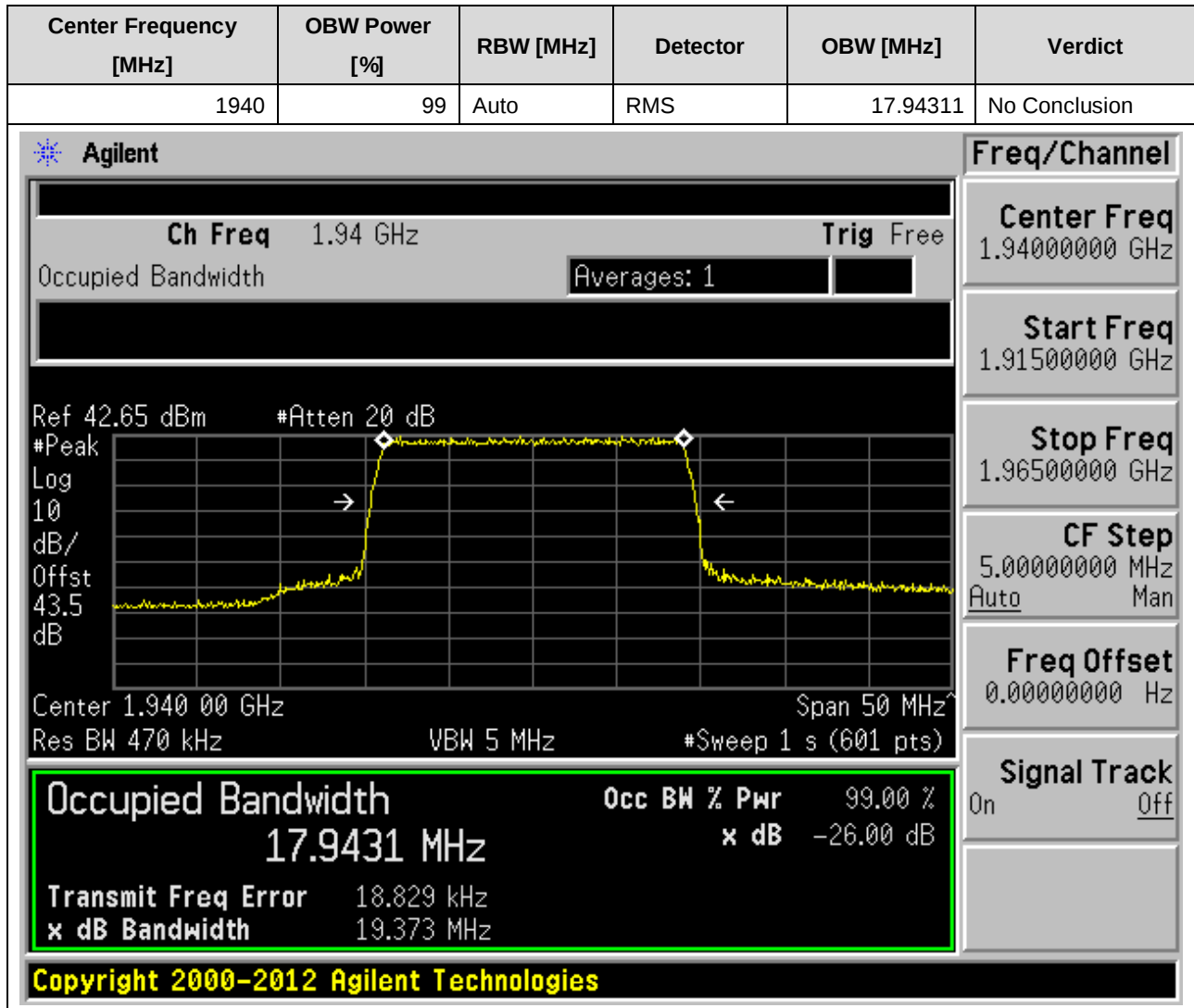


2.1.12 1L15M_TM1_T_Band2



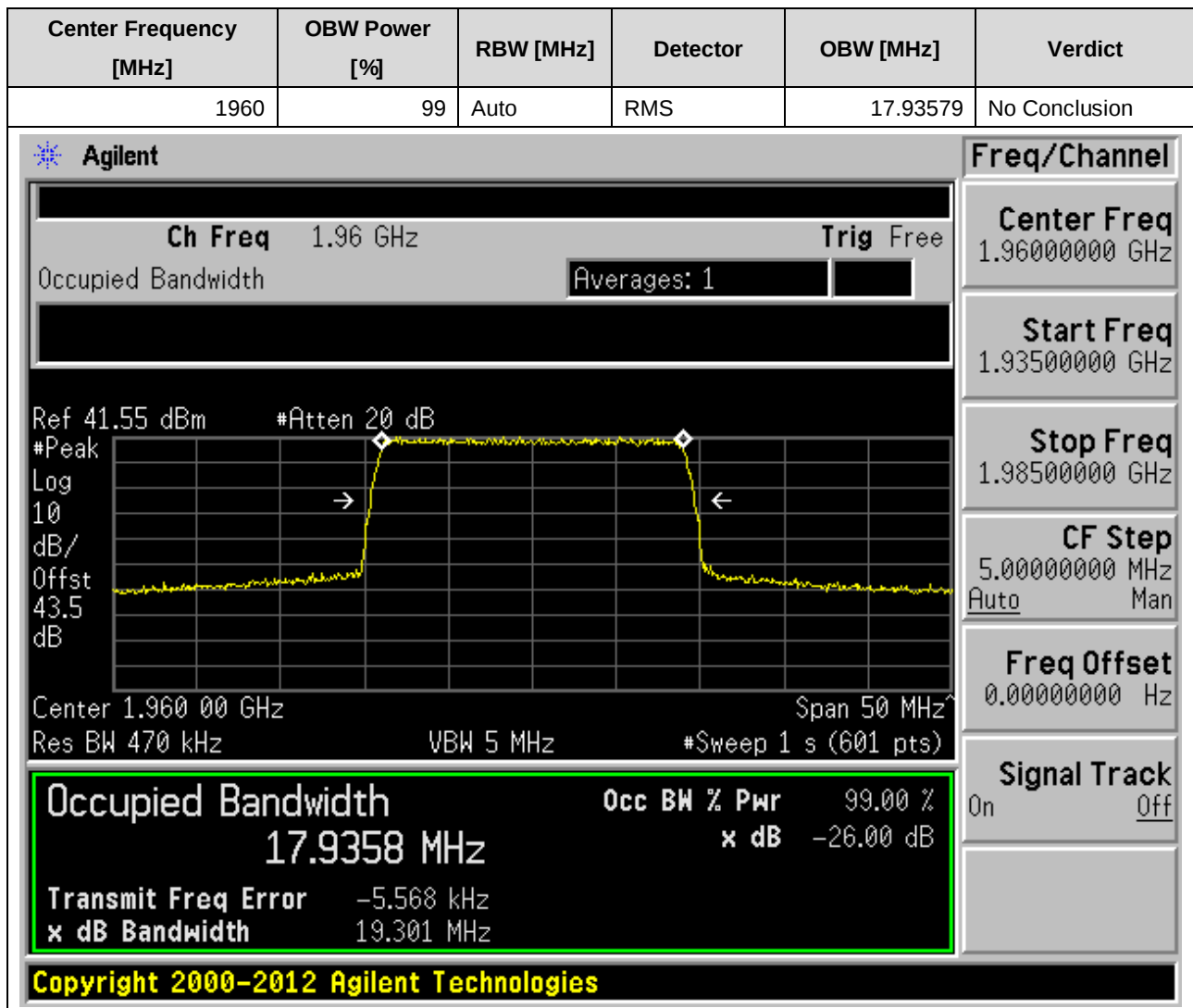


2.1.13 1L20M_TM1_B_Band2



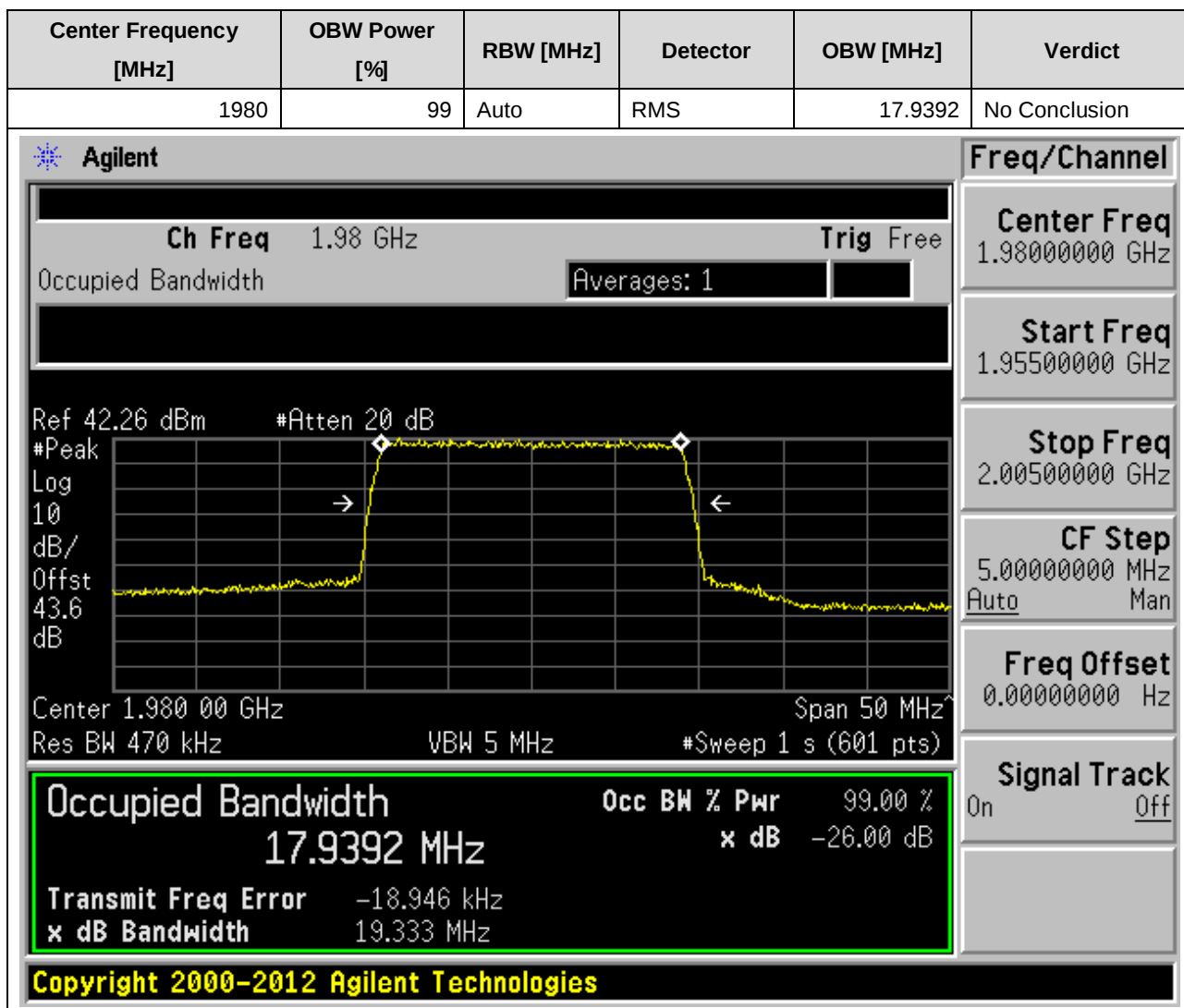


2.1.14 1L20M_TM1_M_Band2



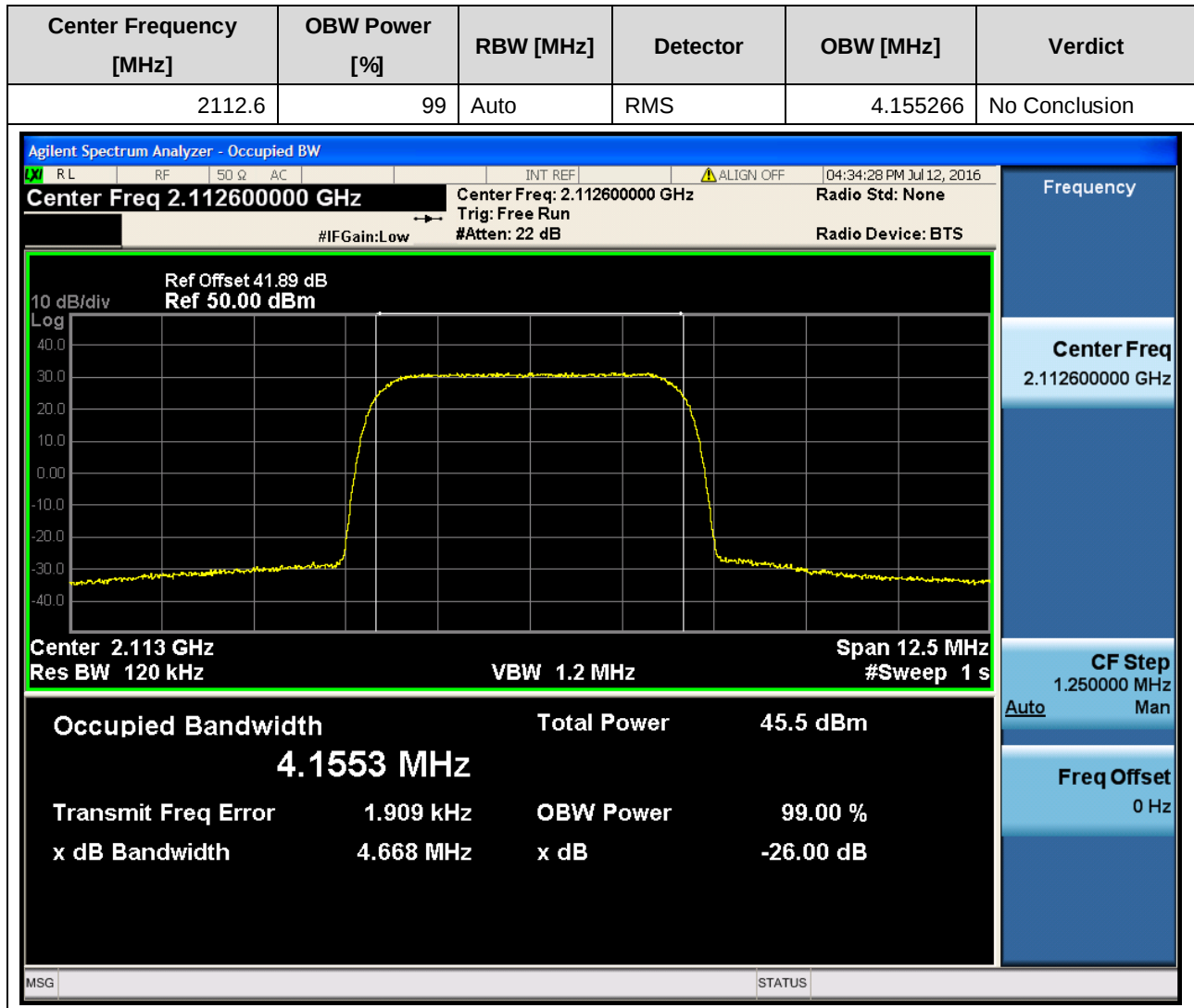


2.1.15 1L20M_TM1_T_Band2



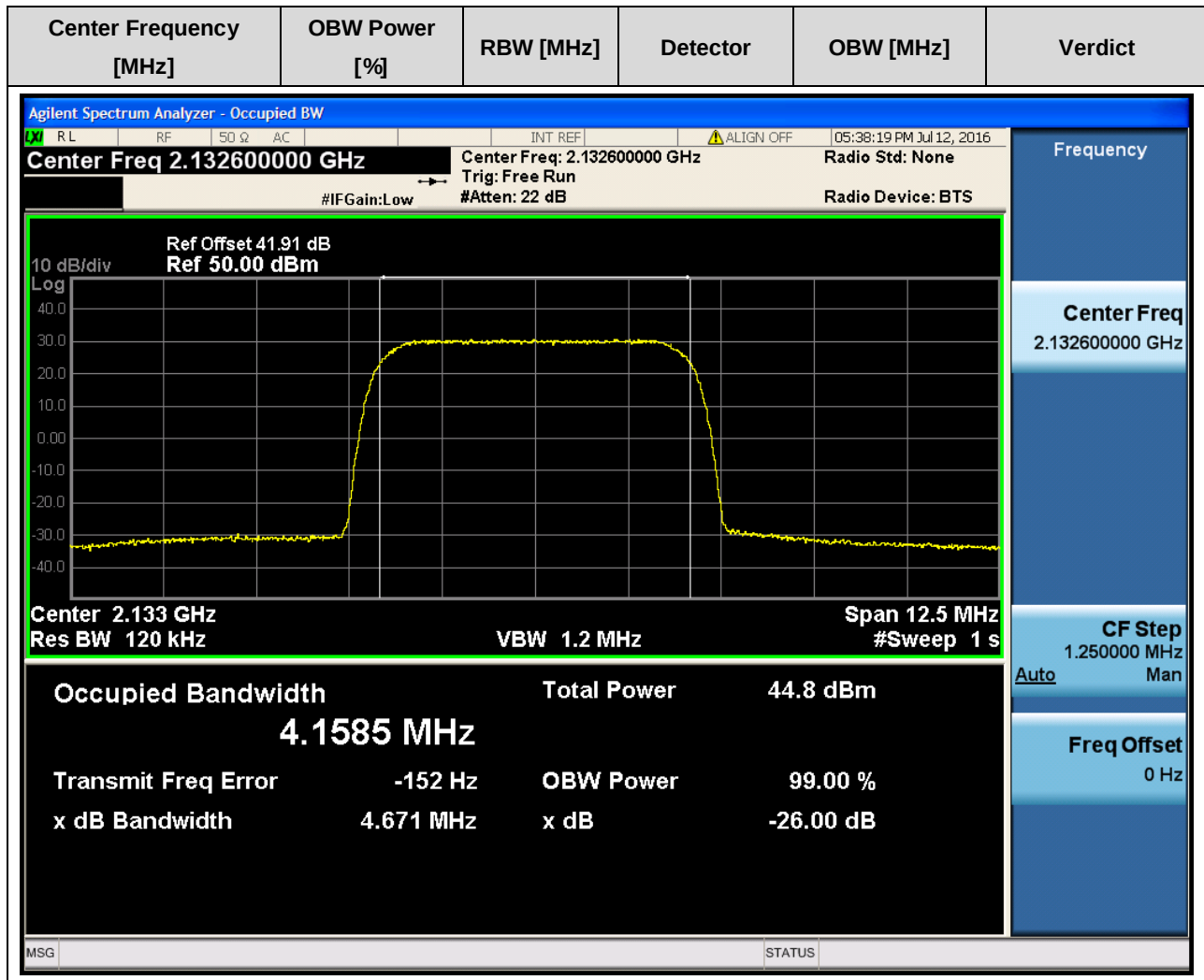


2.1.16 1U_TM1_B_Band4



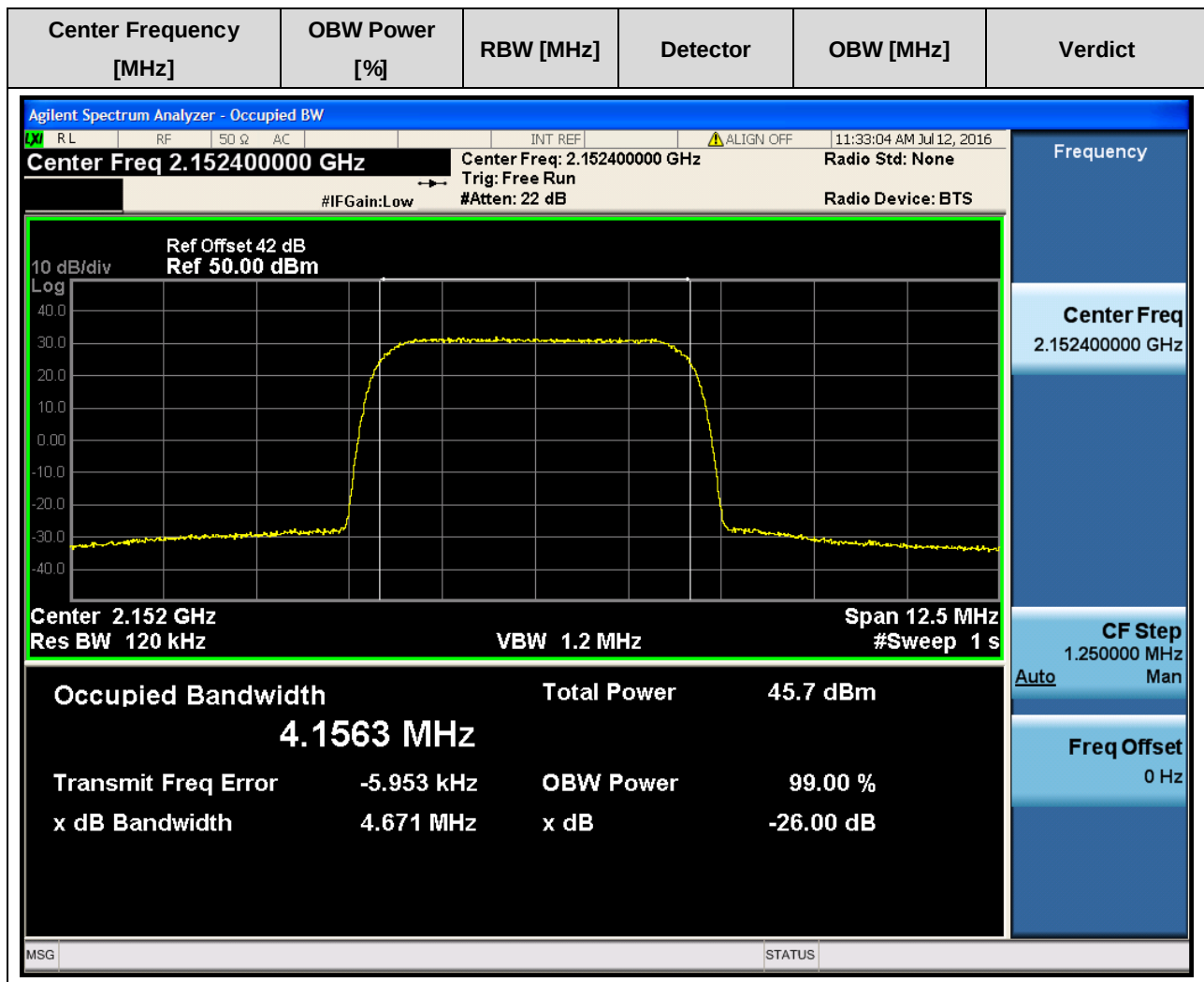
2.1.17 1U_TM1_M_Band4

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2132.6	99	Auto	RMS	4.158454	No Conclusion



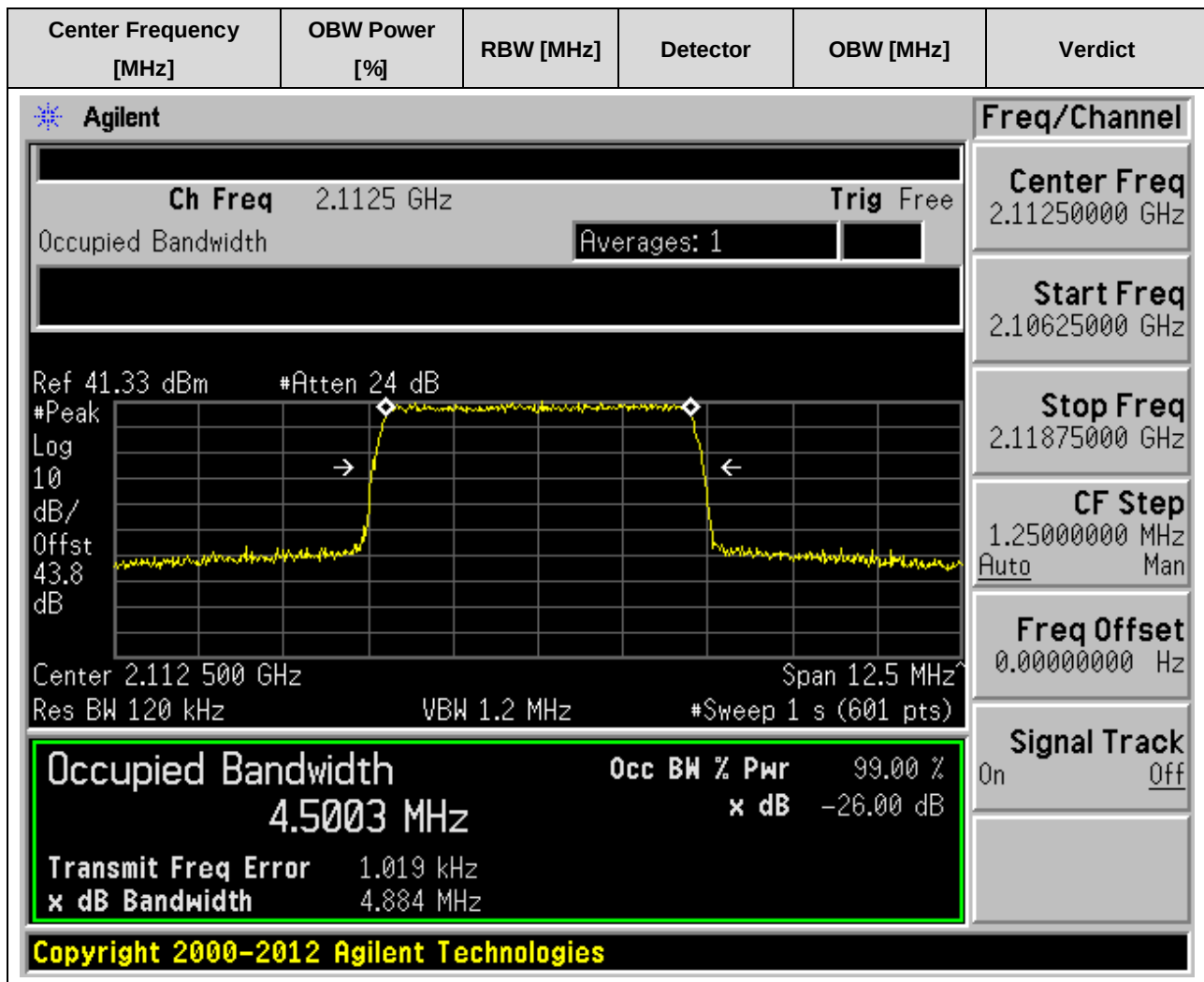
2.1.18 1U_TM1_T_Band4

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2152.4	99	Auto	RMS	4.156328	No Conclusion



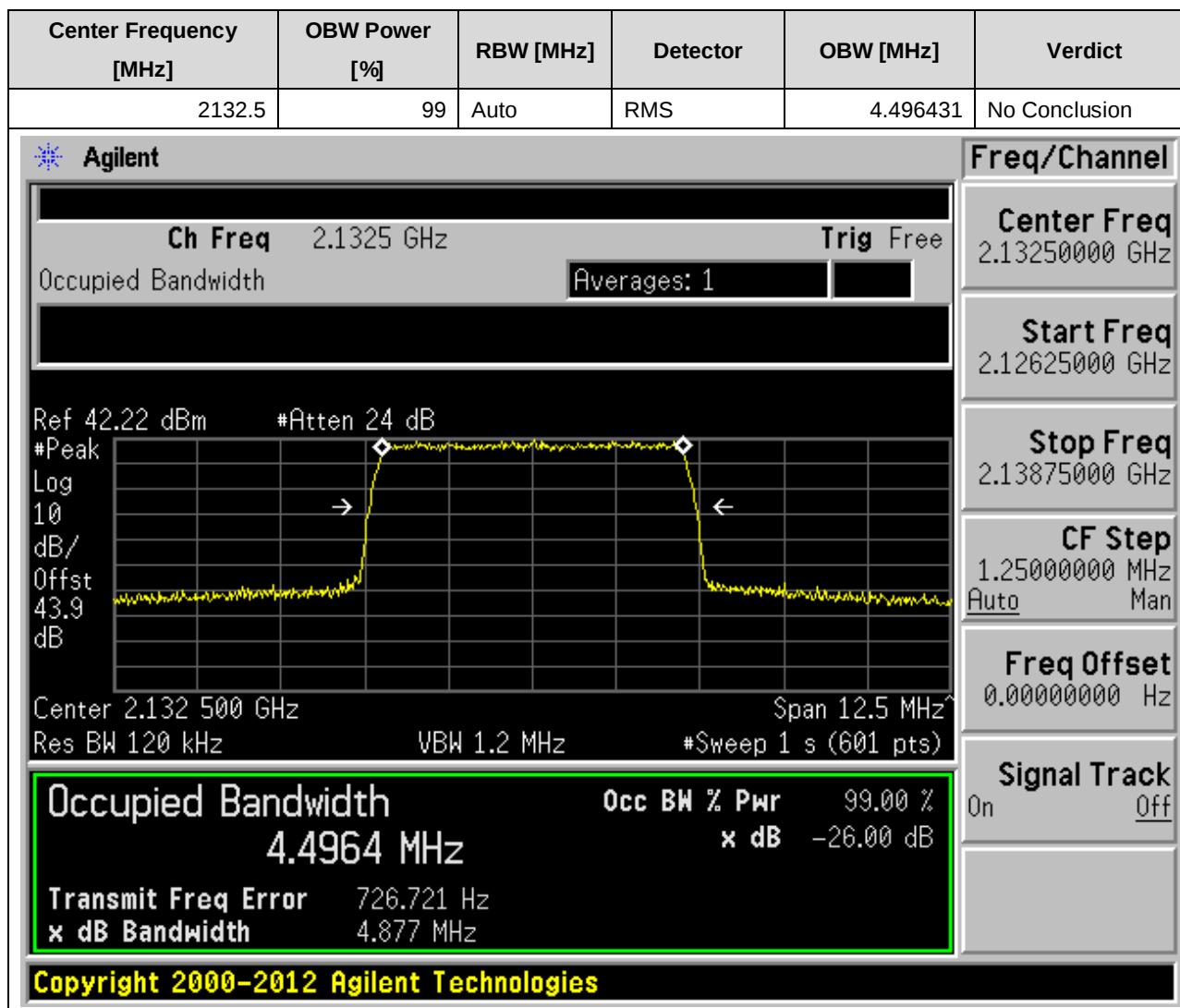
2.1.19 1L5M_TM1_B_Band4

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2112.5	99	Auto	RMS	4.500275	No Conclusion



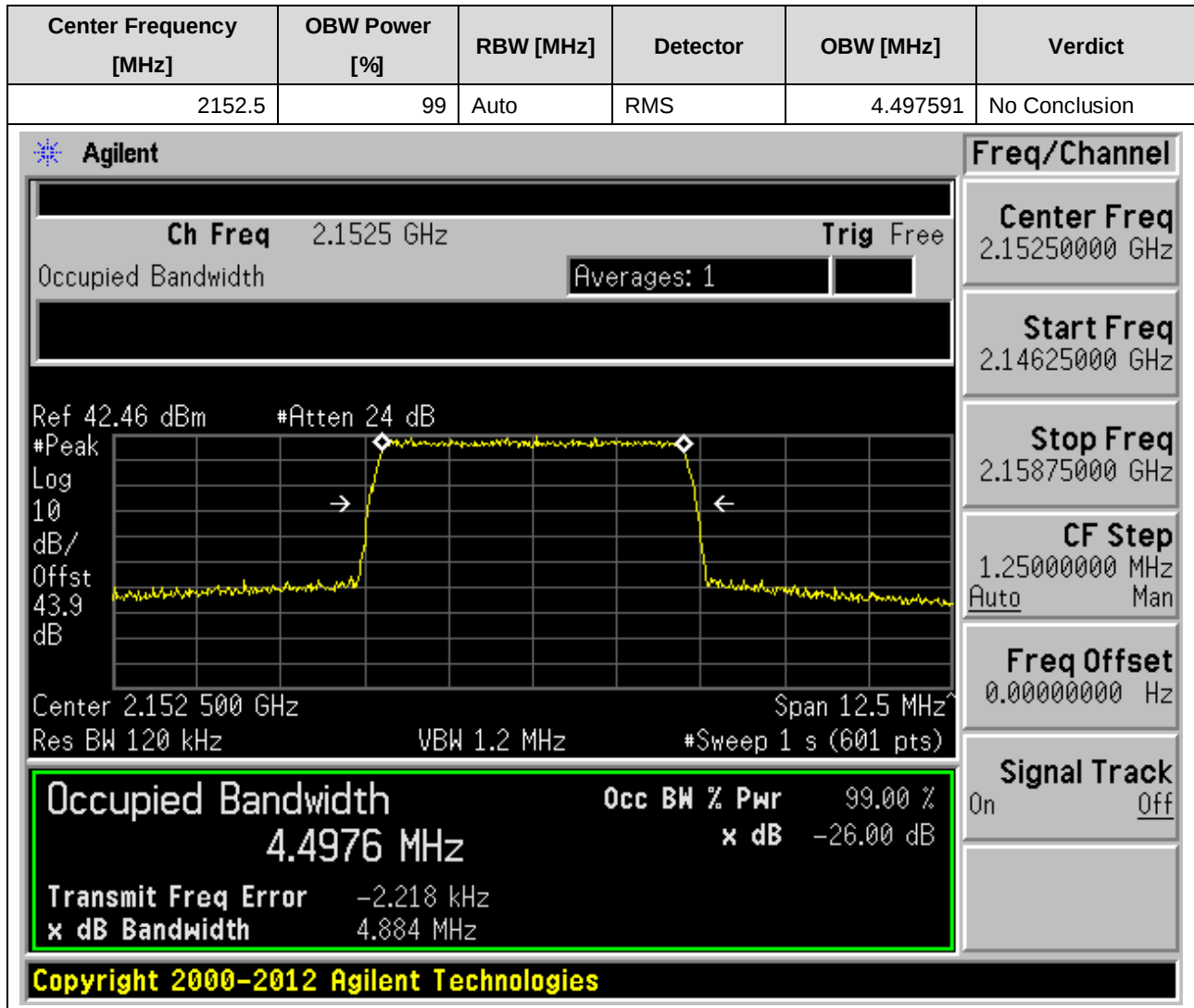


2.1.20 1L5M_TM1_M_Band4



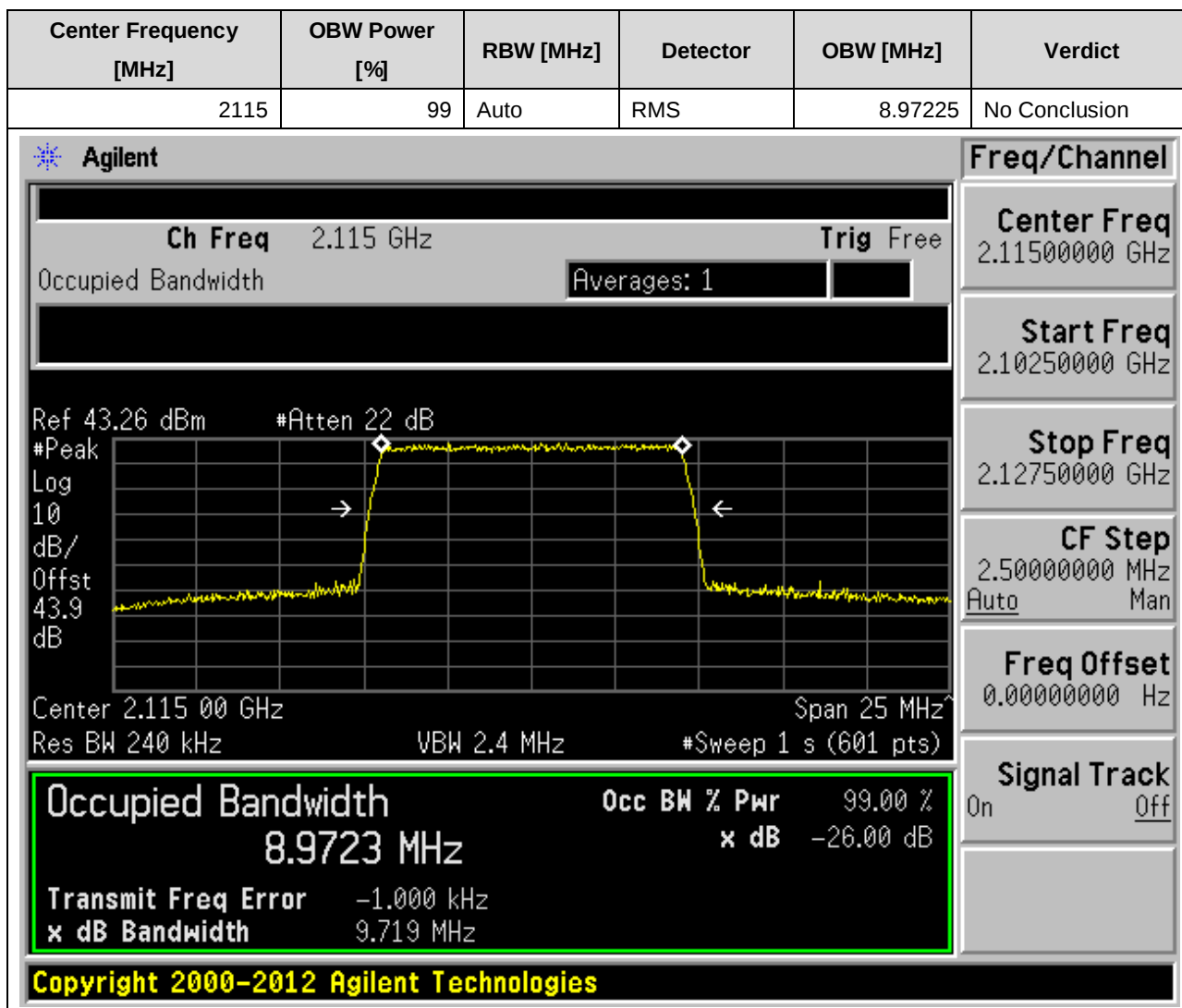


2.1.21 1L5M_TM1_T_Band4



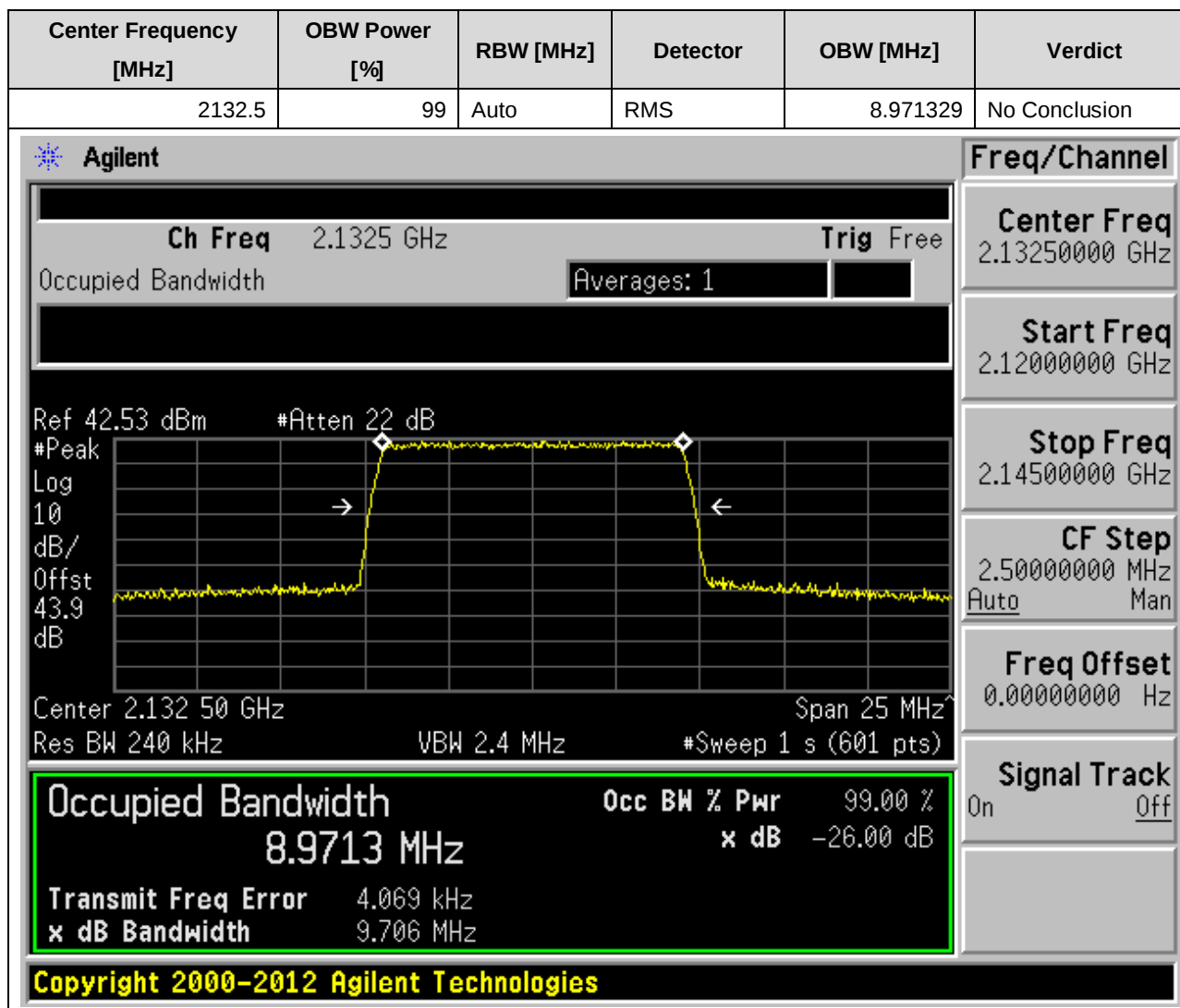


2.1.22 1L10M_TM1_B_Band4



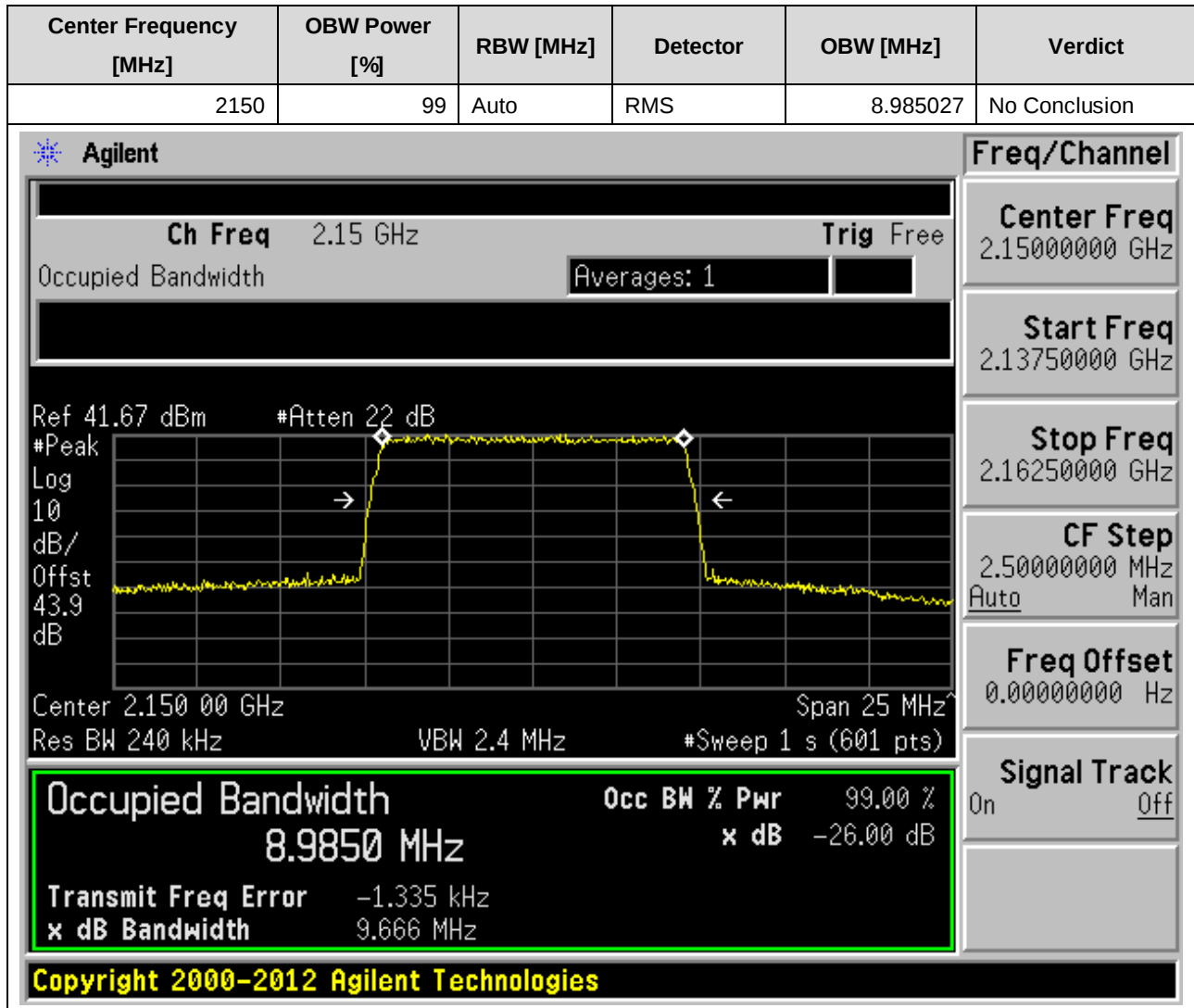


2.1.23 1L10M_TM1_M_Band4



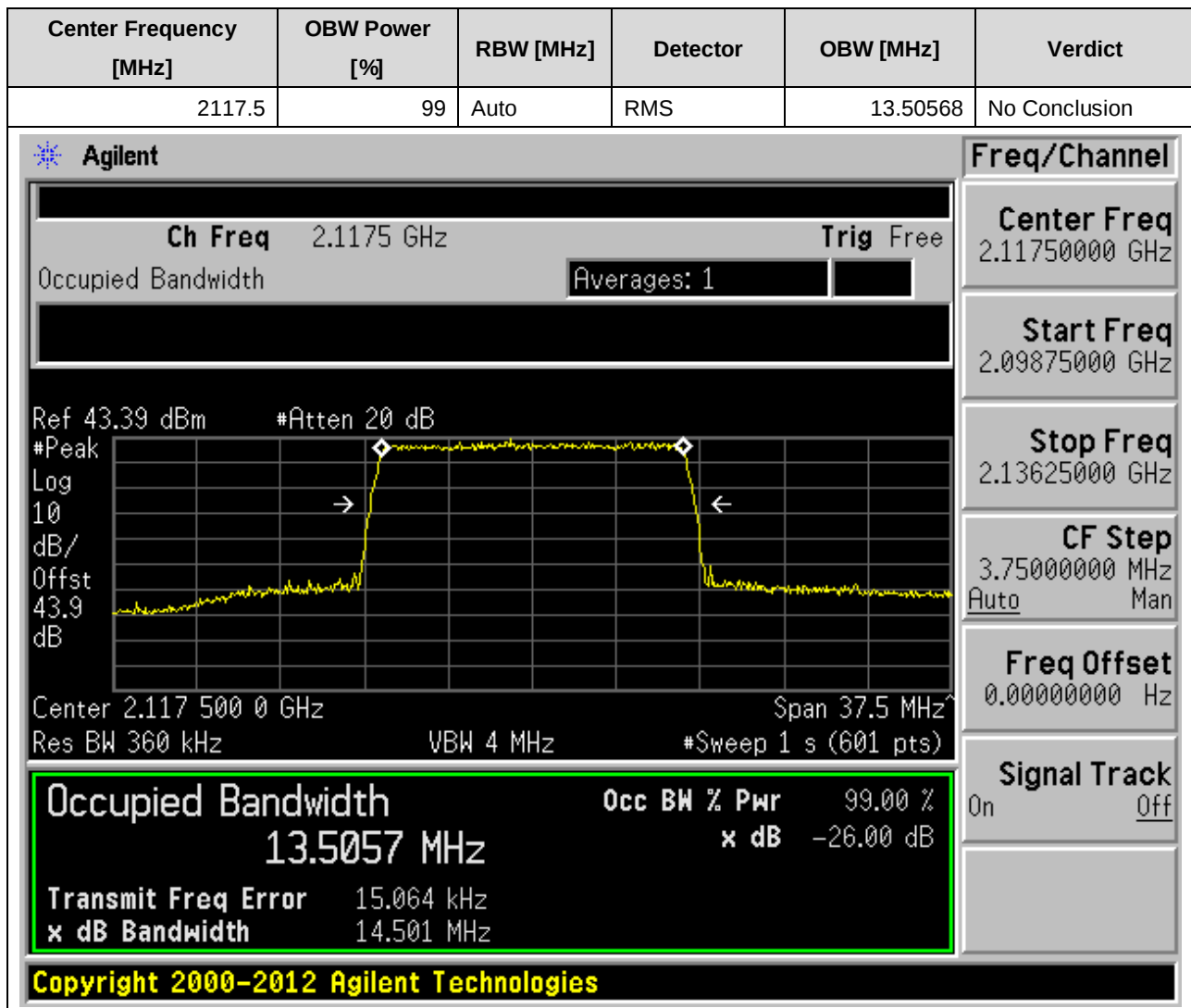


2.1.24 1L10M_TM1_T_Band4



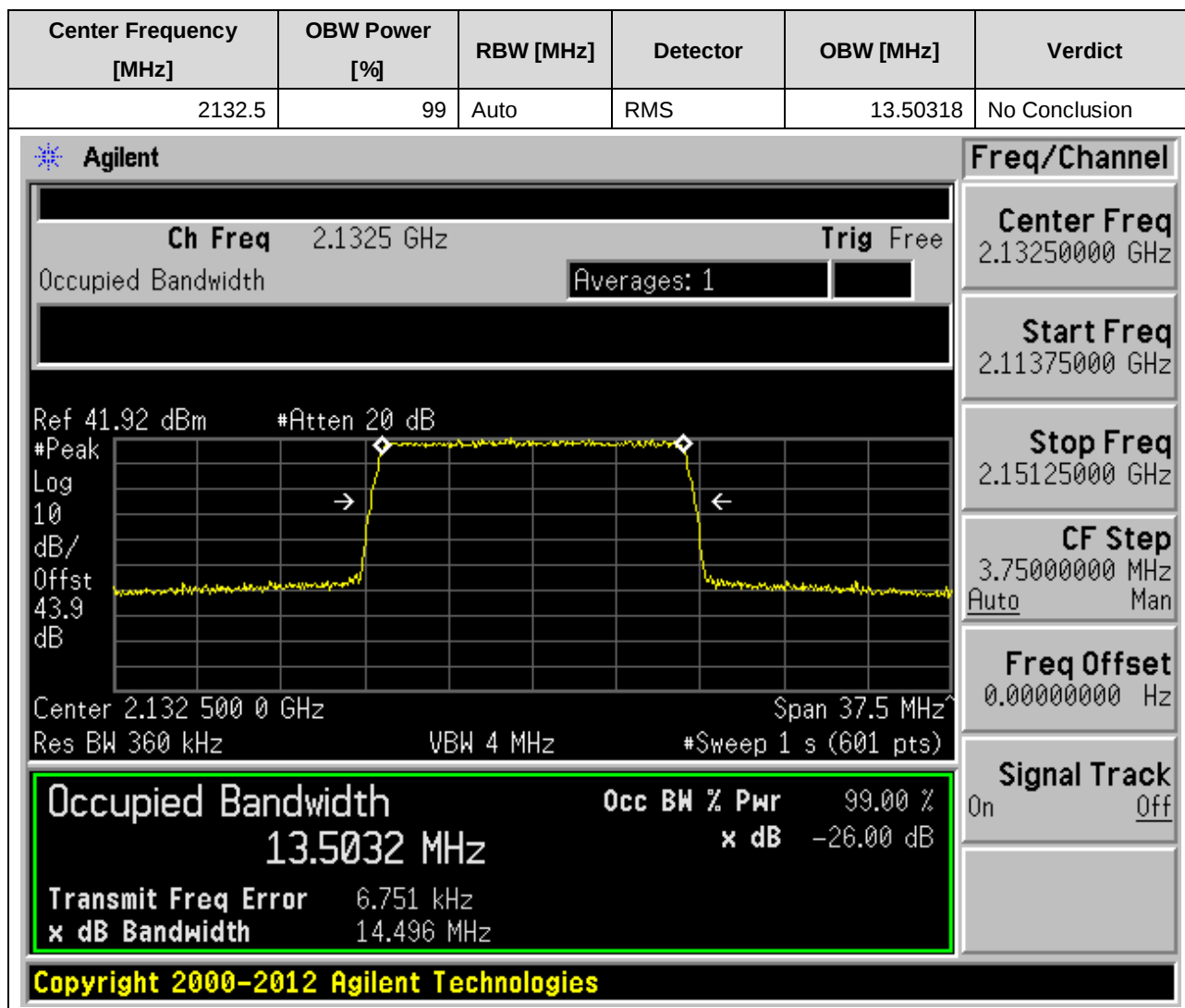


2.1.25 1L15M_TM1_B_Band4



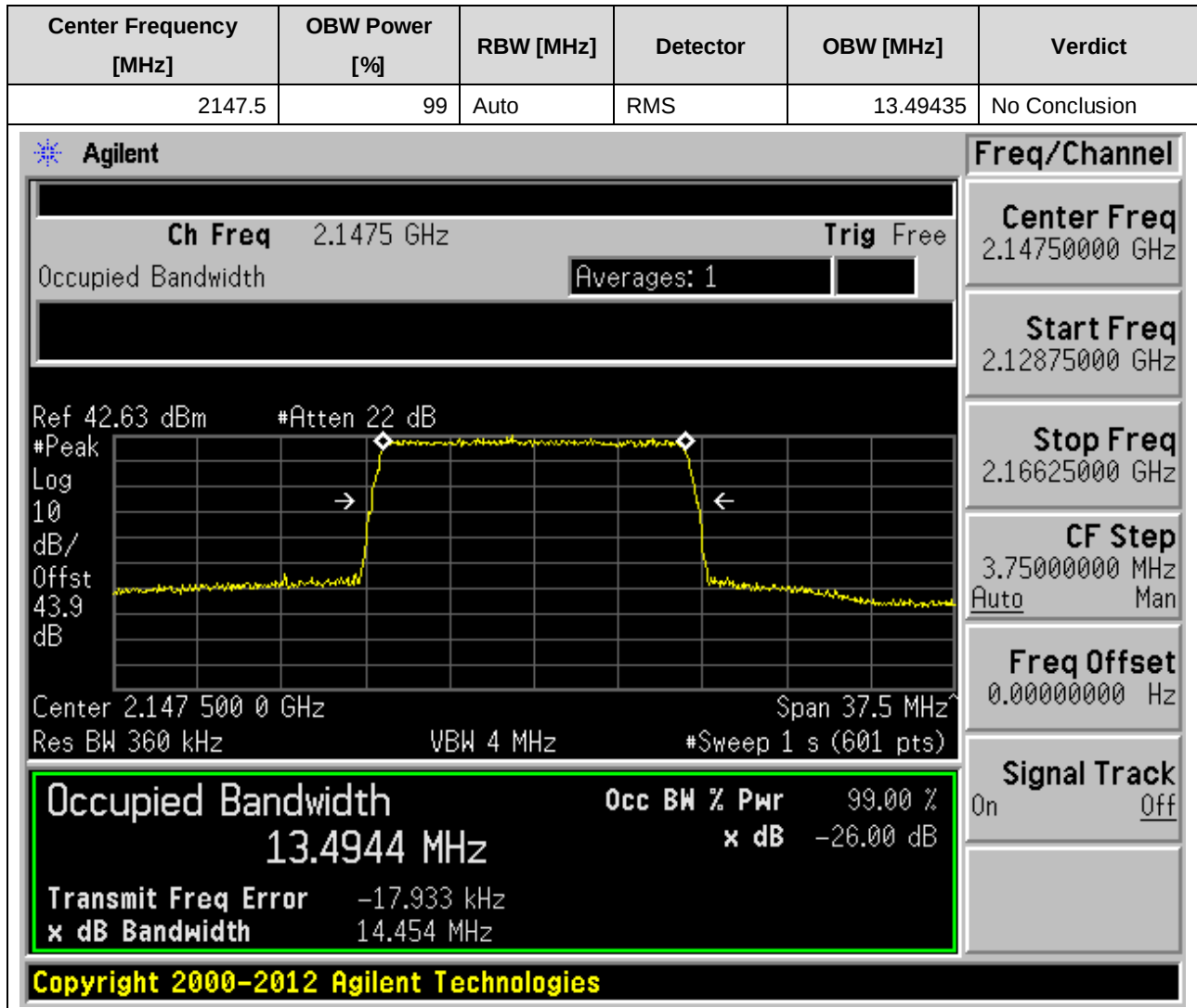


2.1.26 1L15M_TM1_M_Band4



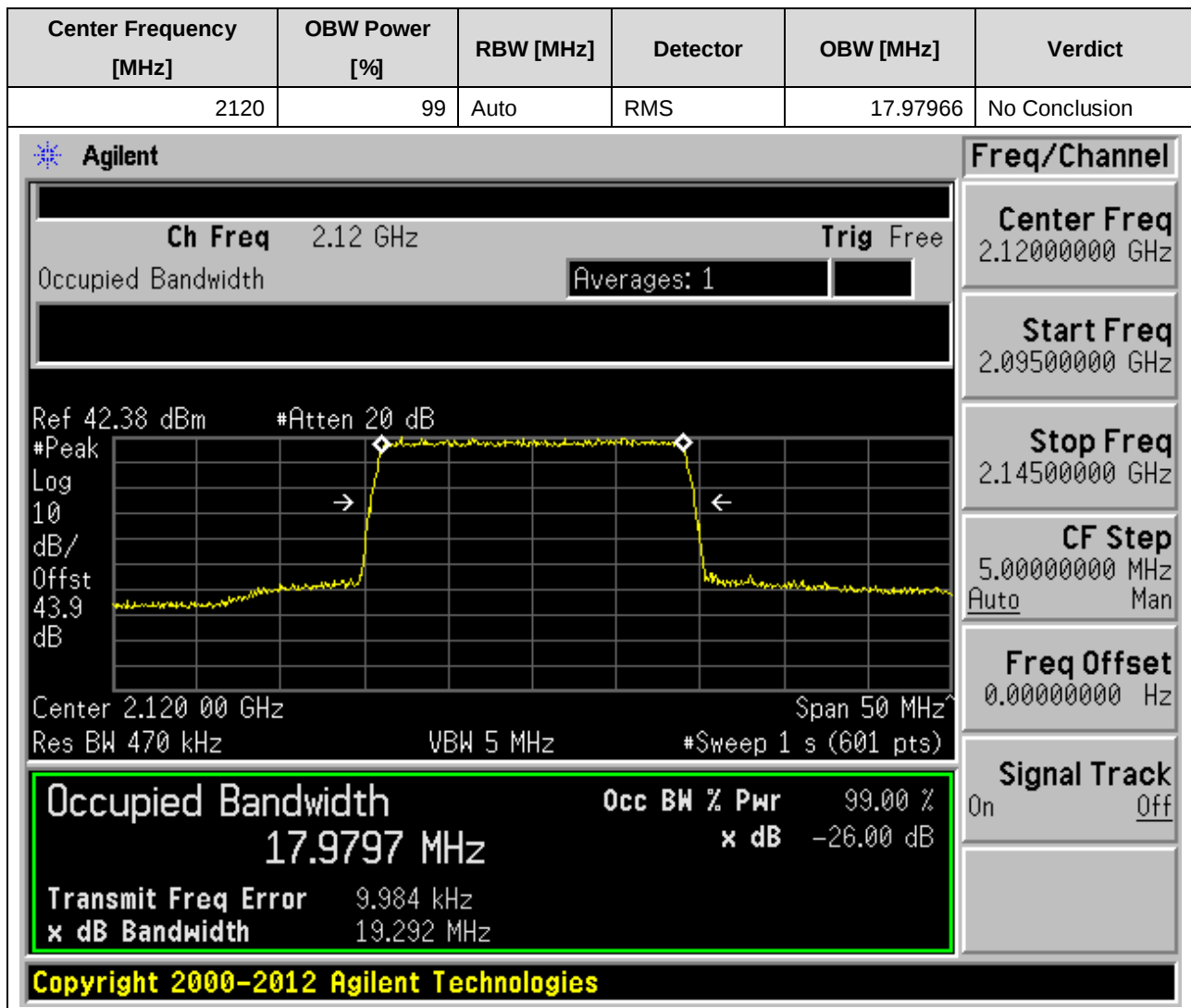


2.1.27 1L15M_TM1_T_Band4



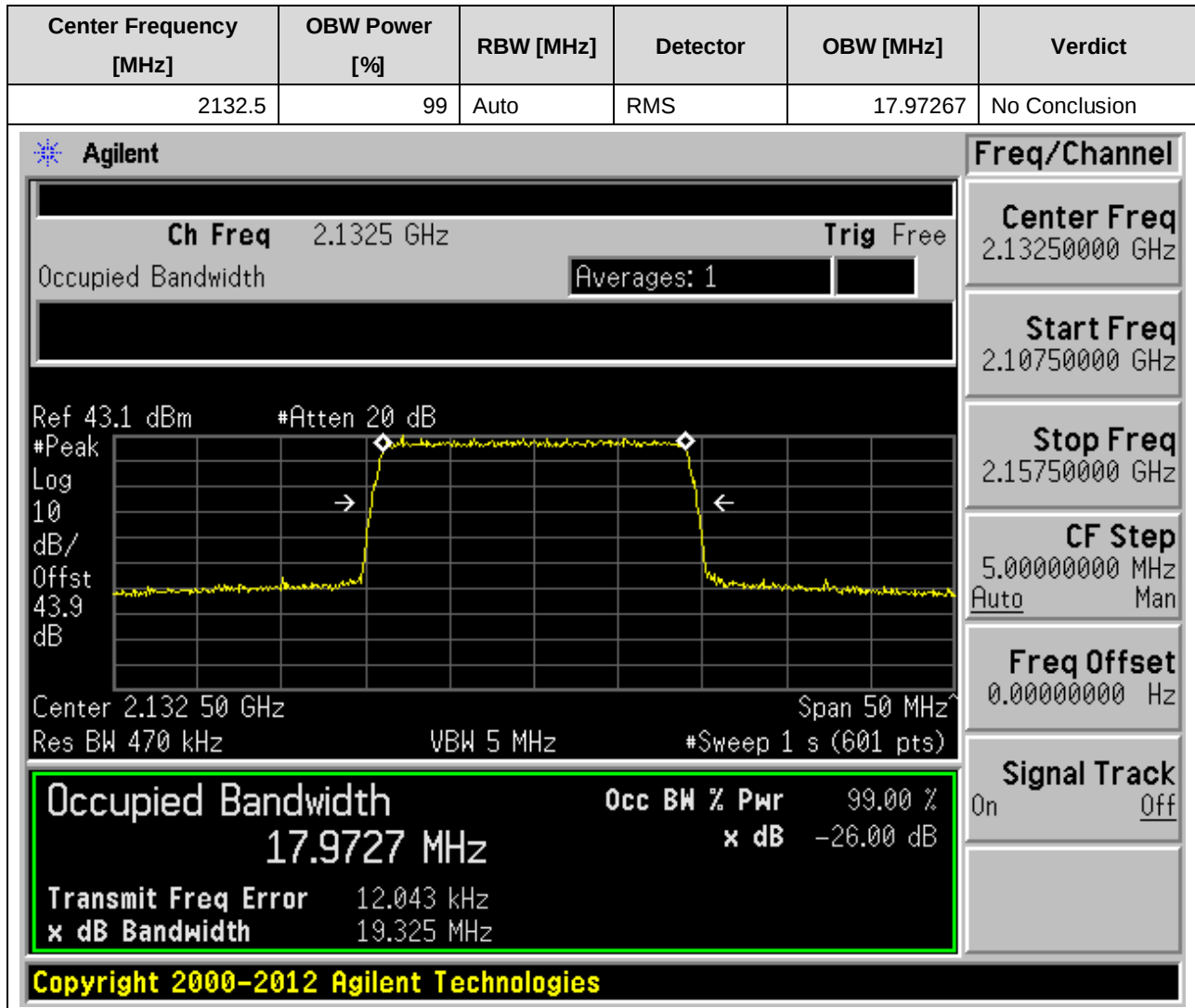


2.1.28 1L20M_TM1_B_Band4



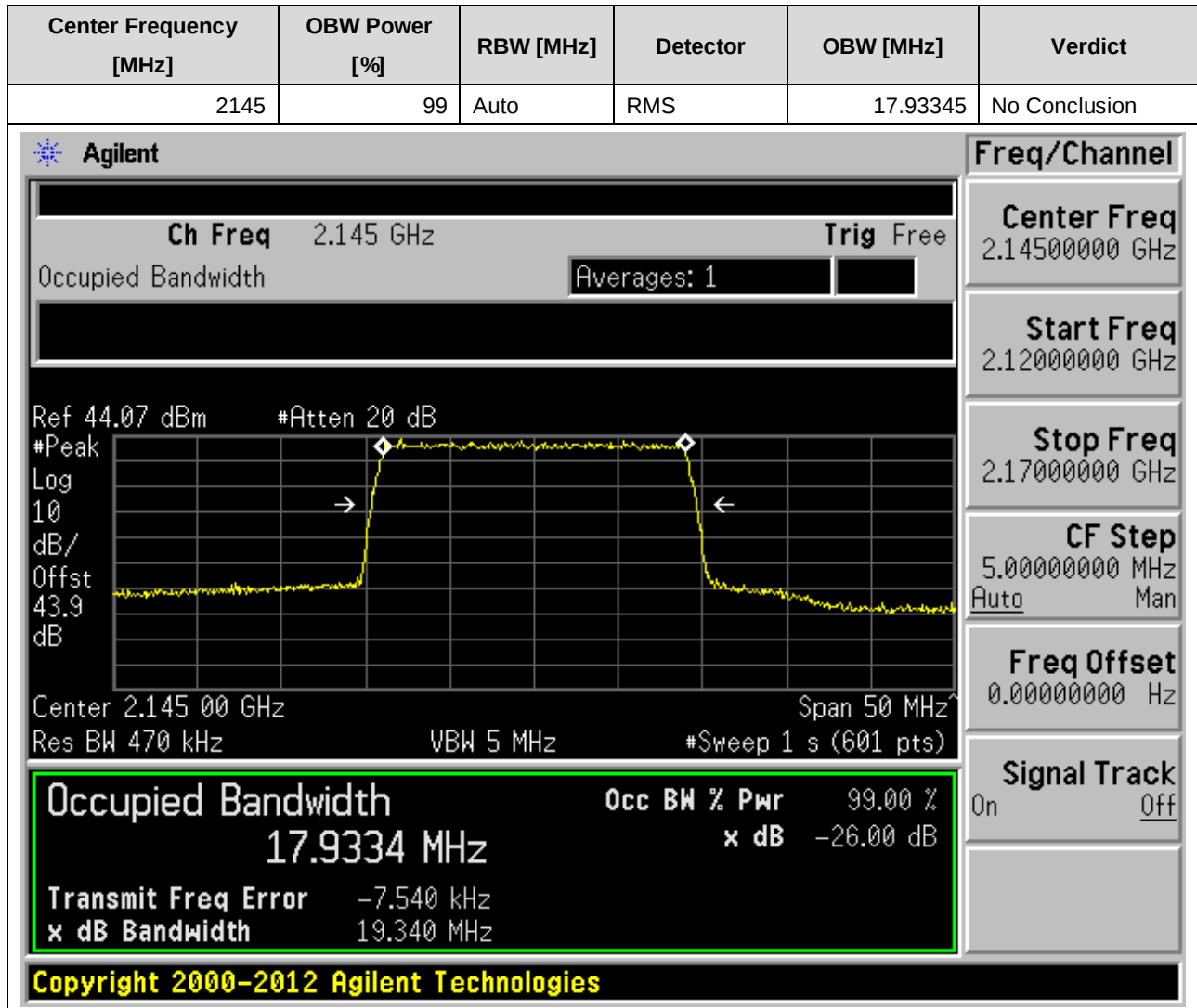


2.1.29 1L20M_TM1_M_Band4



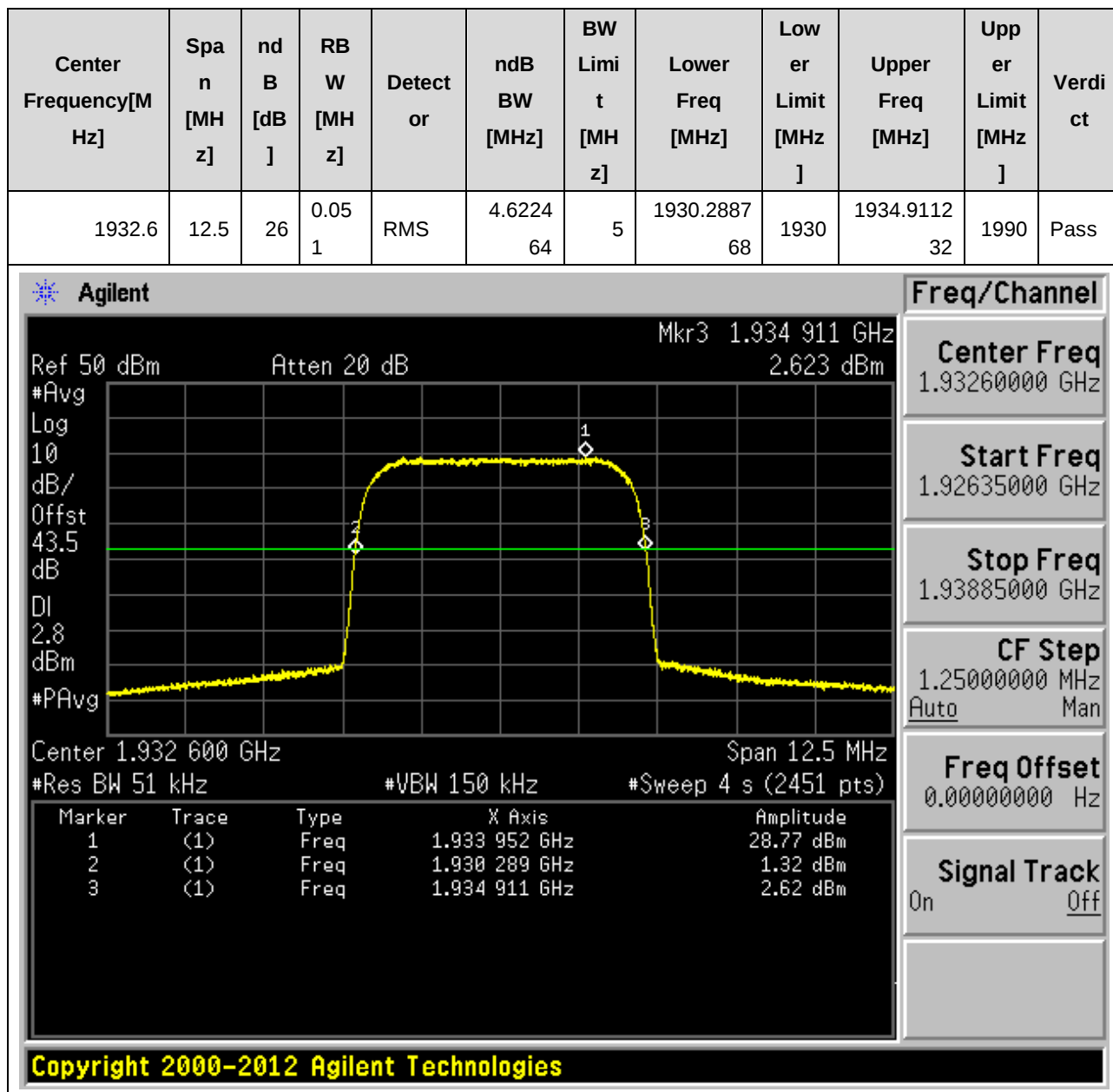


2.1.30 1L20M_TM1_T_Band4



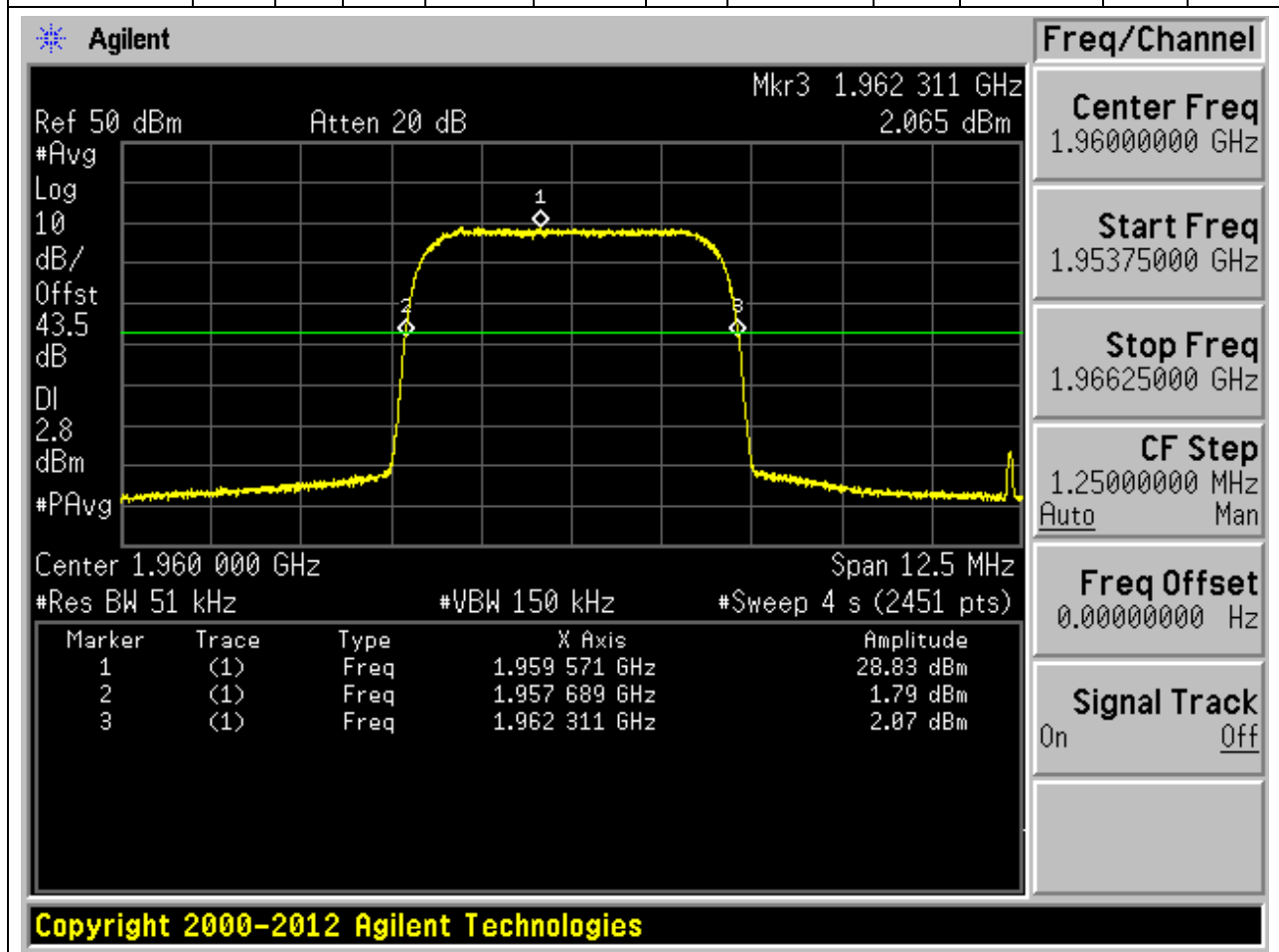
2.2 Emission Bandwidth

2.2.1 1U_TM1_B_Band2



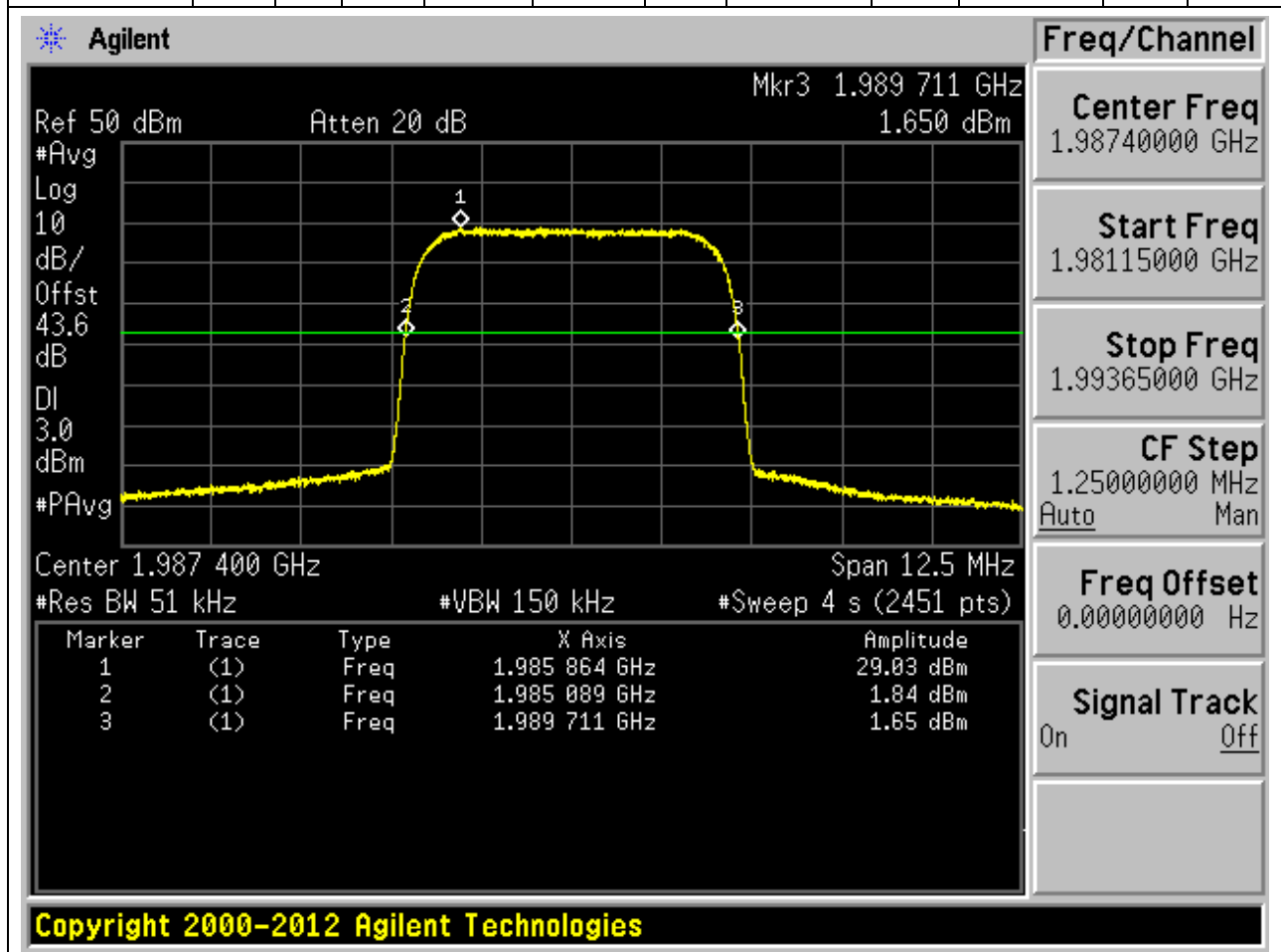
2.2.2 1U_TM1_M_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	12.5	26	0.051	RMS	4.622336	5	1957.688832	1930	1962.311168	1990	Pass



2.2.3 1U_TM1_T_Band2

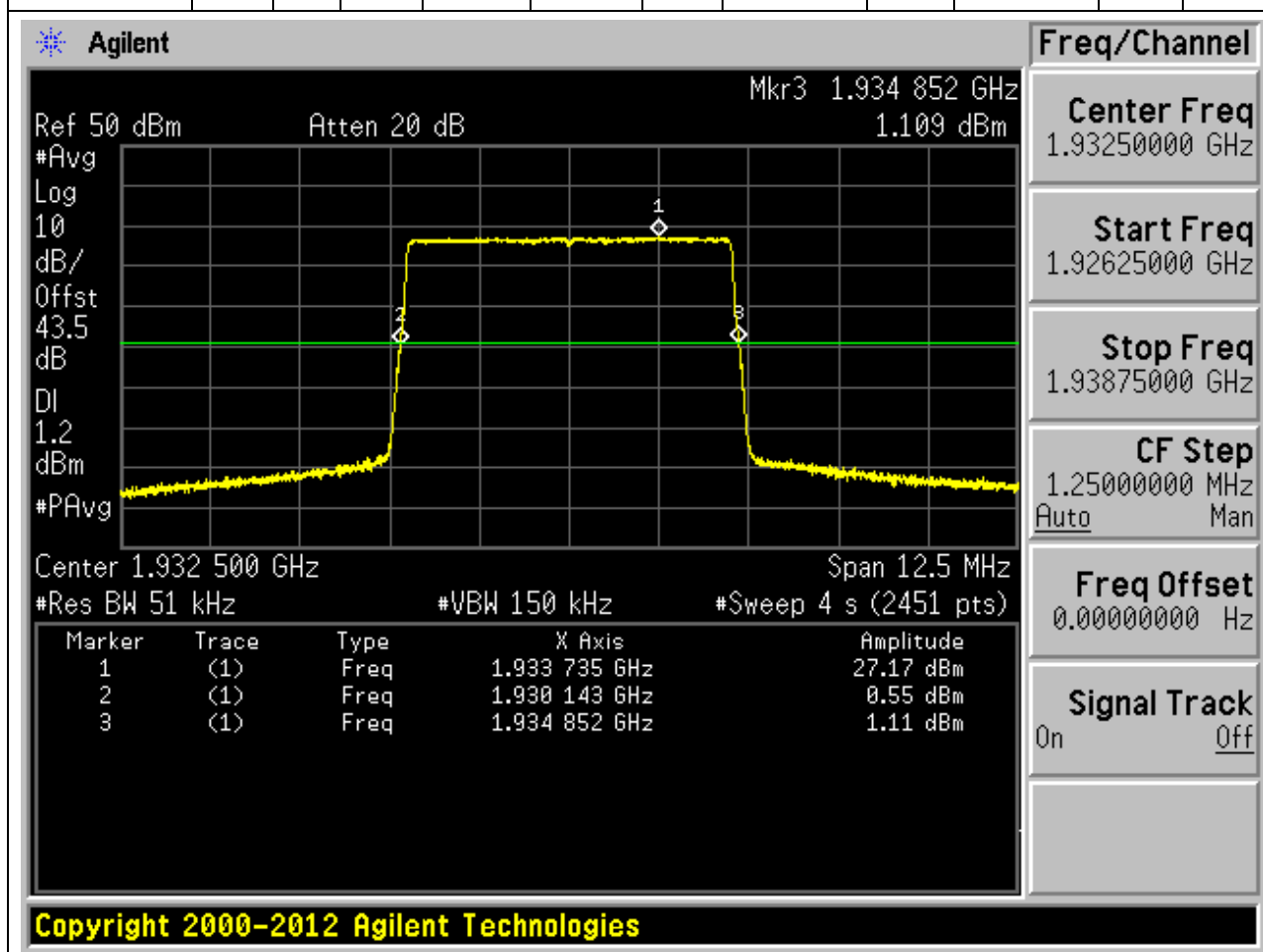
Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1987.4	12.5	26	0.051	RMS	4.622464	5	1985.088768	1930	1989.711232	1990	Pass





2.2.4 1L5M_TM1_B_Band2

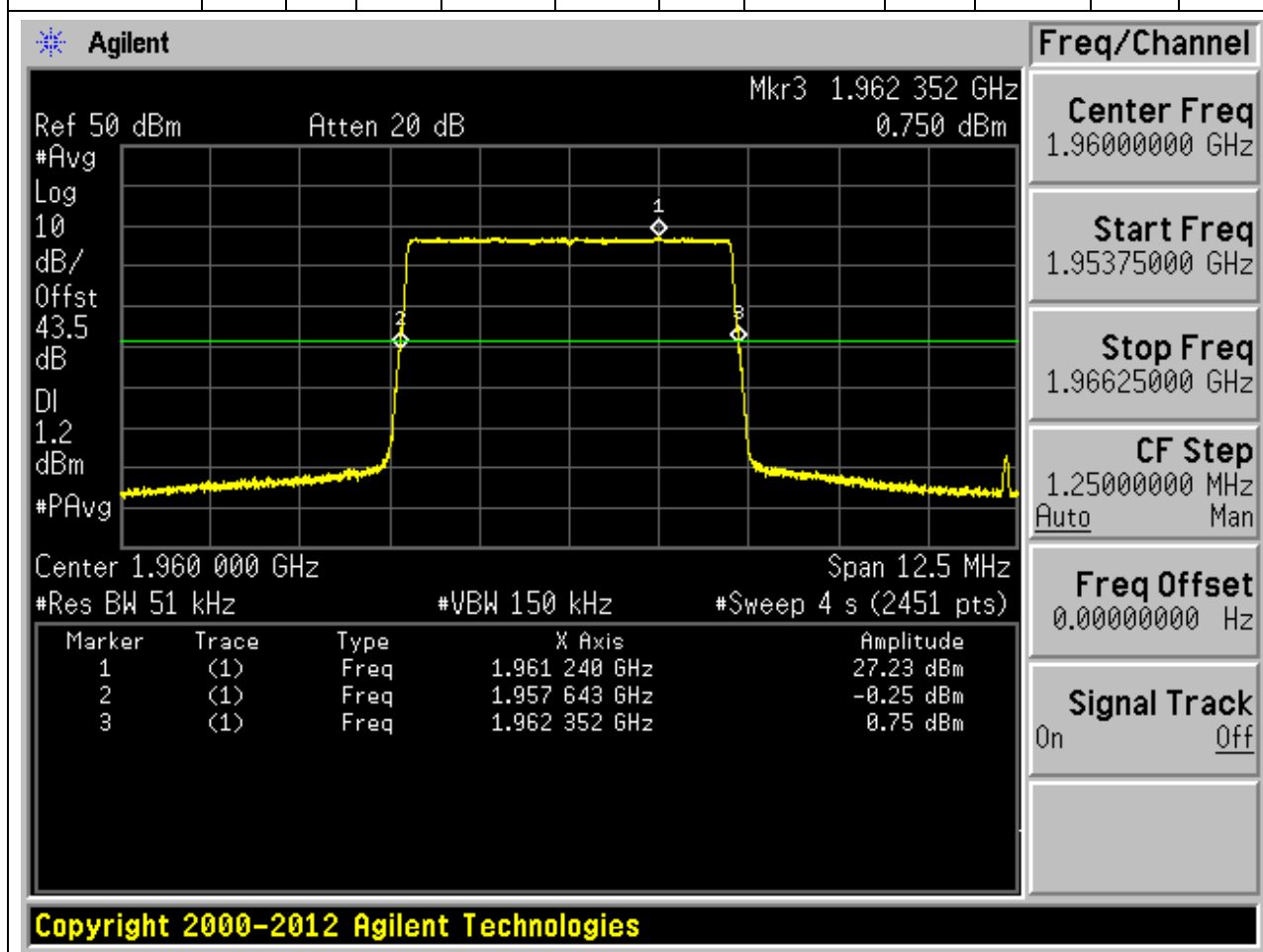
Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1932.5	12.5	26	0.051	RMS	4.709248	5	1930.142848	1930	1934.852096	1990	Pass





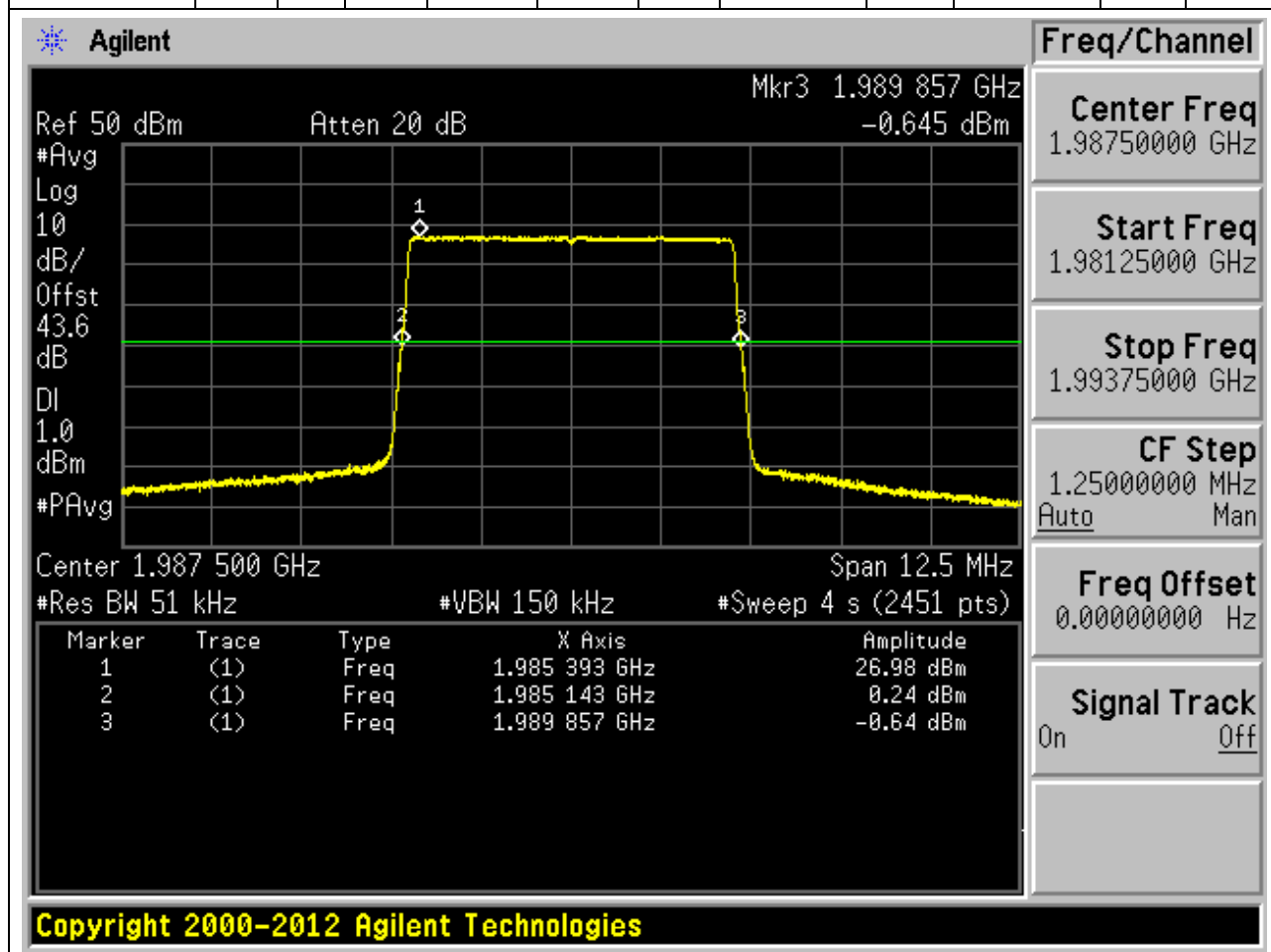
2.2.5 1L5M_TM1_M_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	12.5	26	0.051	RMS	4.70912	5	1957.64288	1930	1962.352	1990	Pass



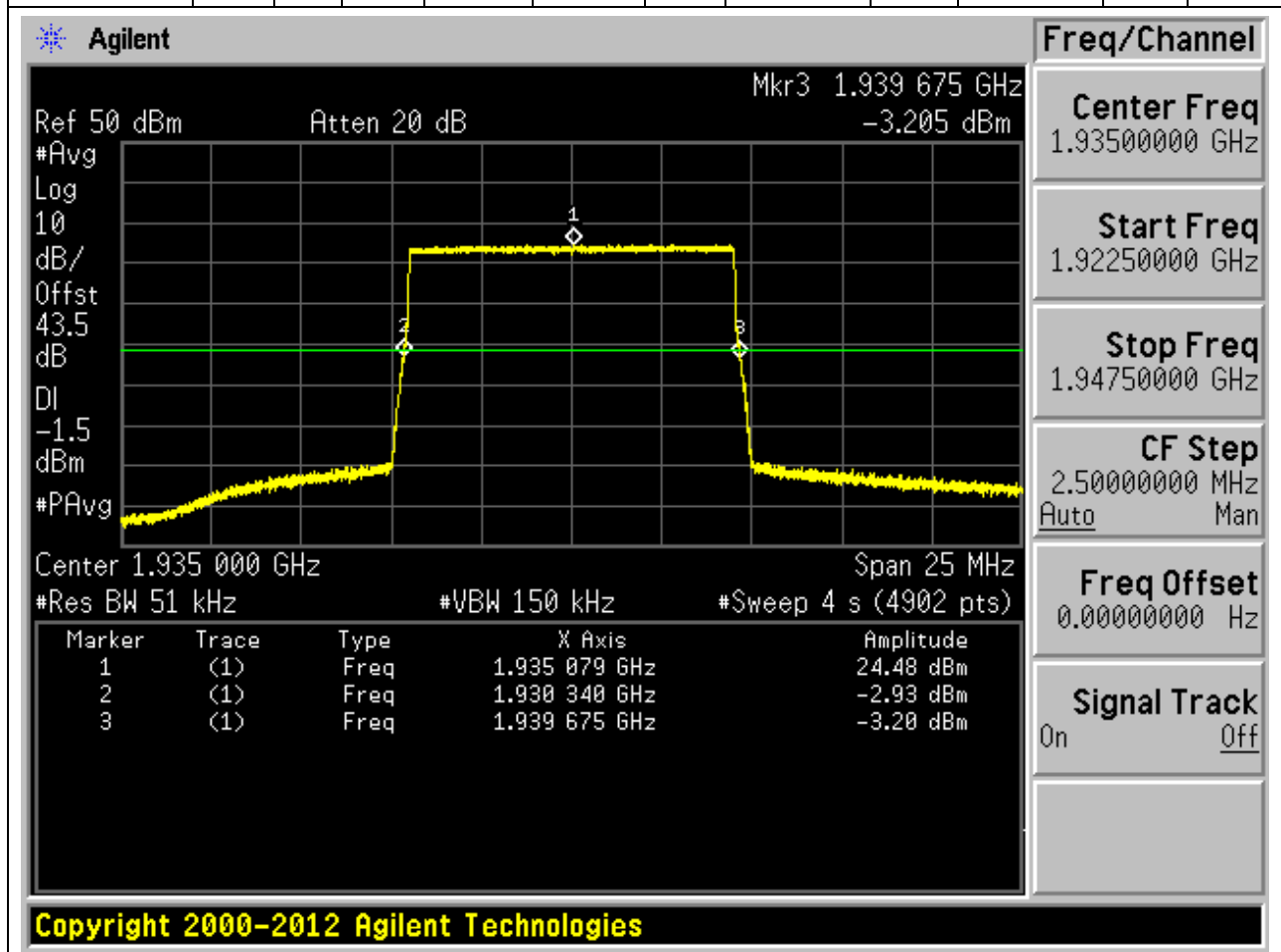
2.2.6 1L5M_TM1_T_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1987.5	12.5	26	0.051	RMS	4.71424	5	1985.142912	1930	1989.857152	1990	Pass



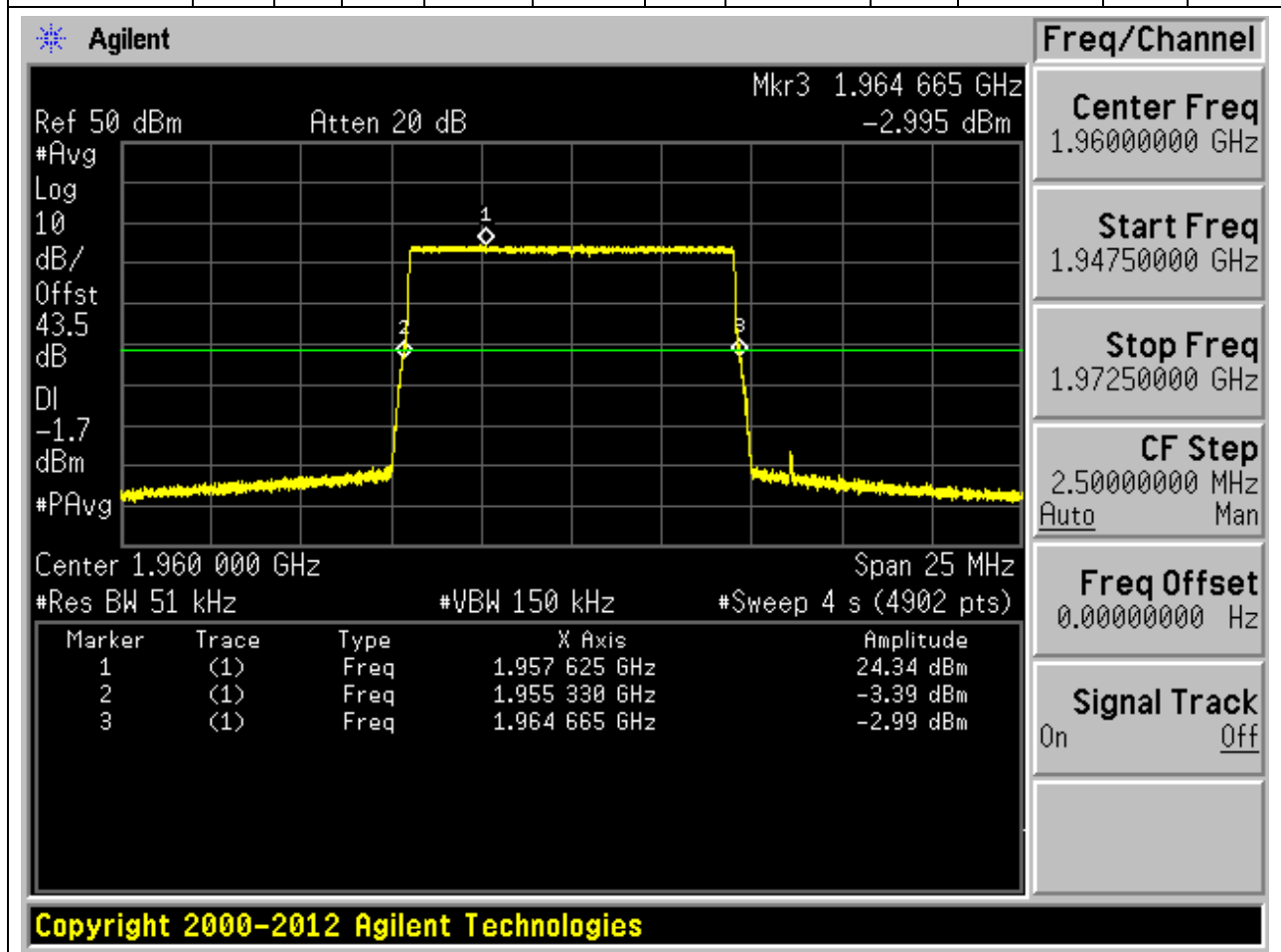
2.2.7 1L10M_TM1_B_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1935	25	26	0.051	RMS	9.334784	10	1930.340224	1930	1939.675008	1990	Pass



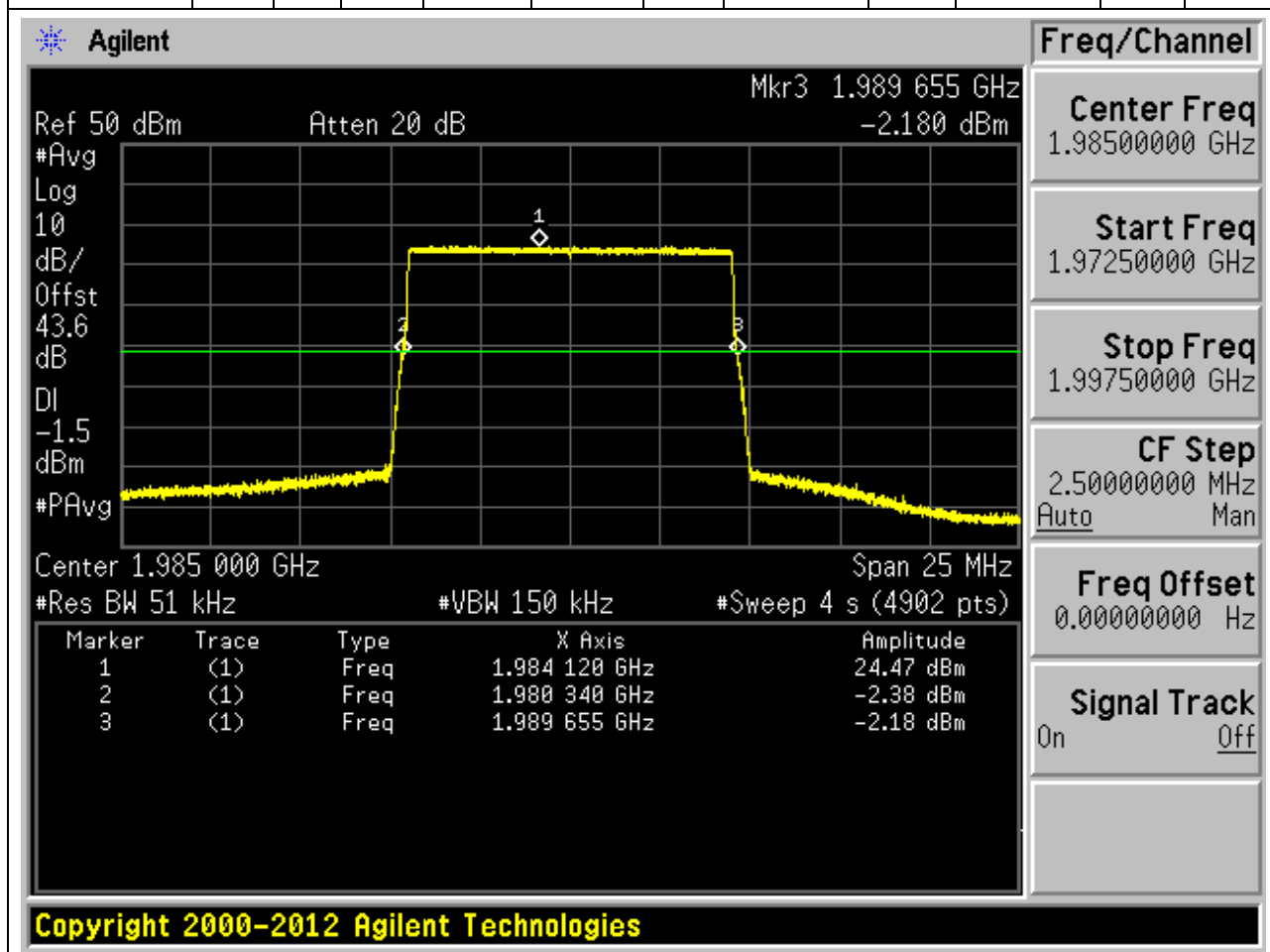
2.2.8 1L10M_TM1_M_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1960	25	26	0.051	RMS	9.334784	10	1955.330048	1930	1964.664832	1990	Pass



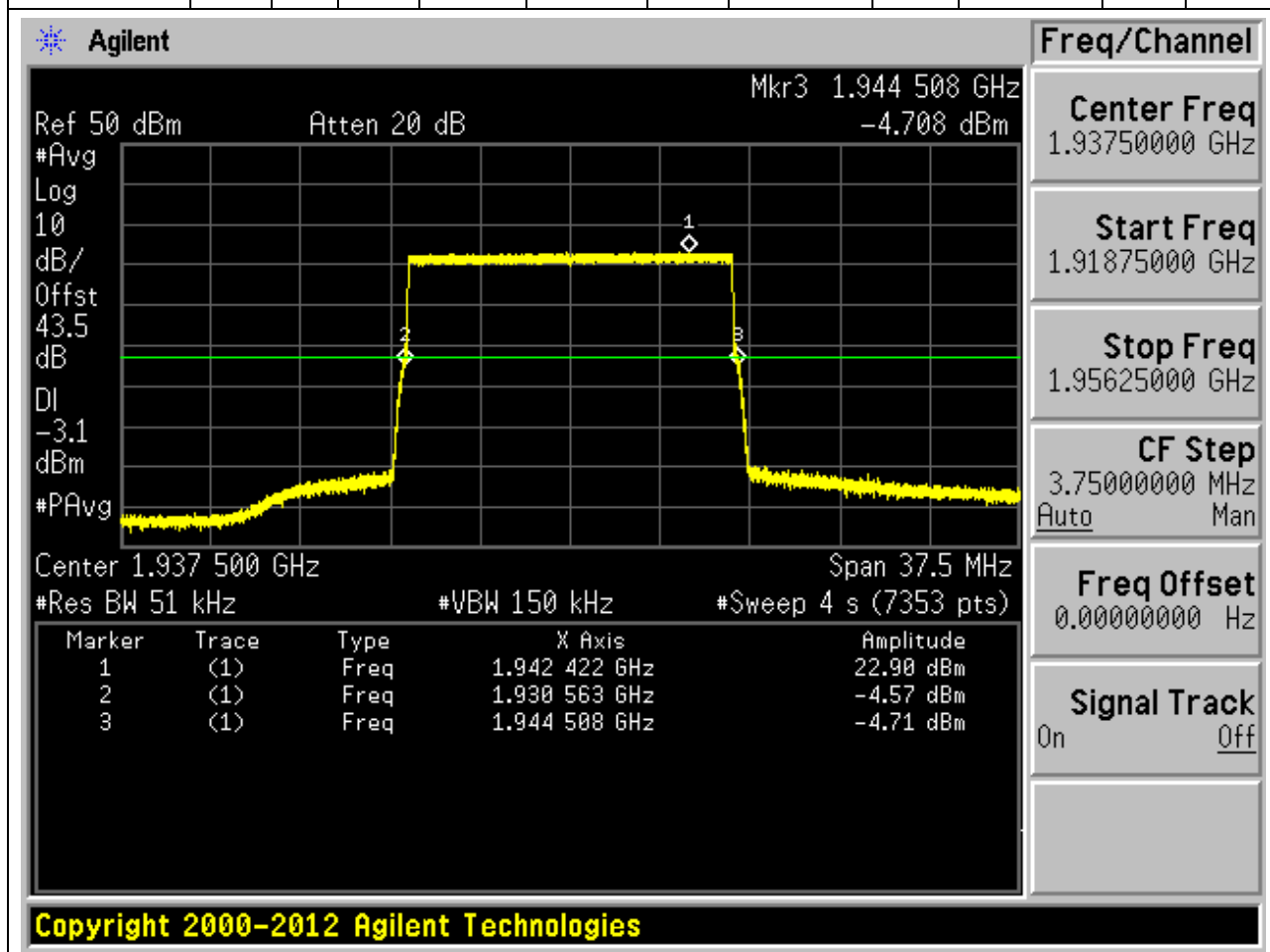
2.2.9 1L10M_TM1_T_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1985	25	26	0.051	RMS	9.314432	10	1980.340224	1930	1989.654656	1990	Pass



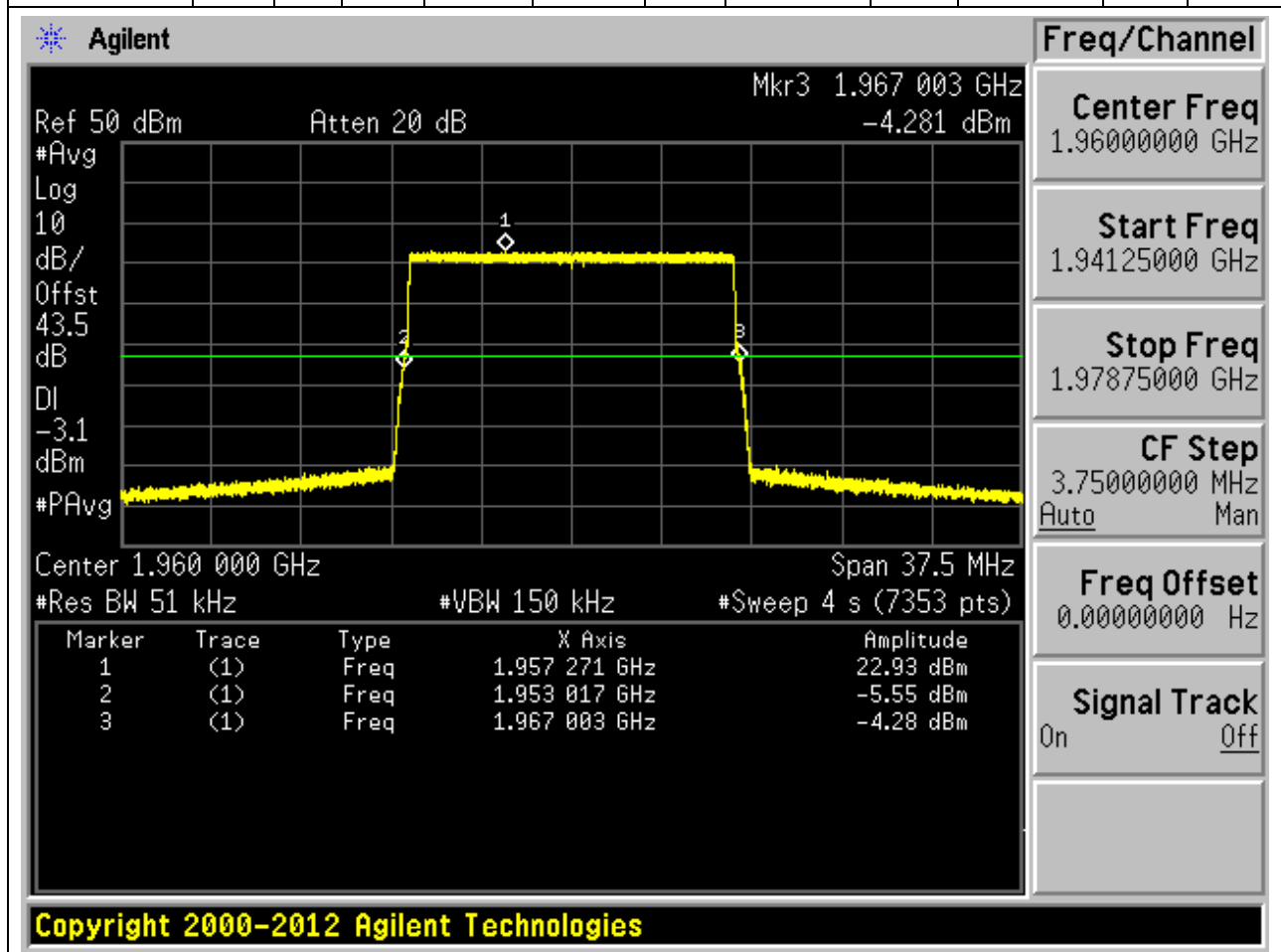
2.2.10 1L15M_TM1_B_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1937.5	37.5	26	0.051	RMS	13.945216	15	1930.563072	1930	1944.508288	1990	Pass



2.2.11 1L15M_TM1_M_Band2

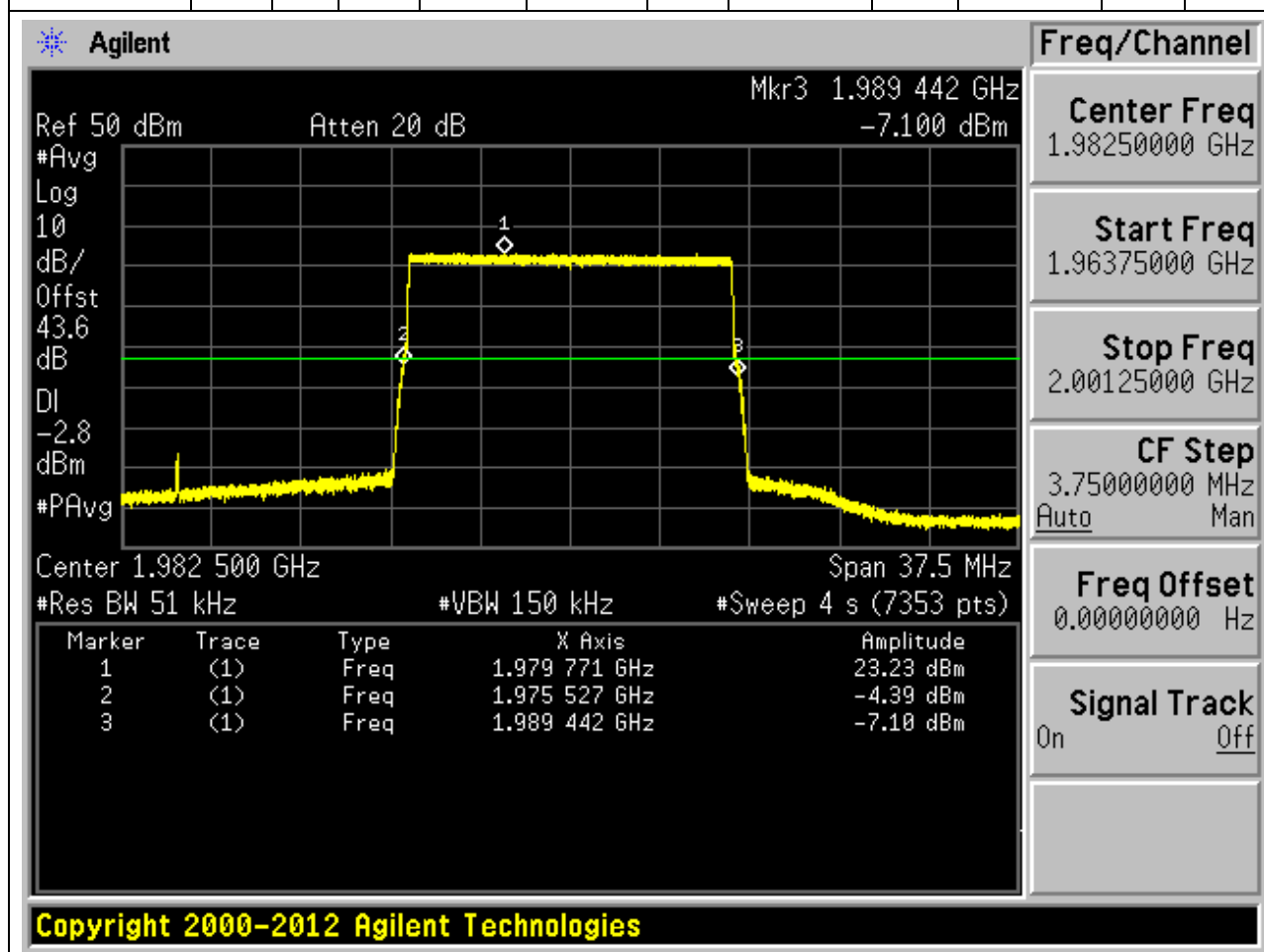
Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1960	37.5	26	0.051	RMS	13.98592	15	1953.017216	1930	1967.003136	1990	Pass





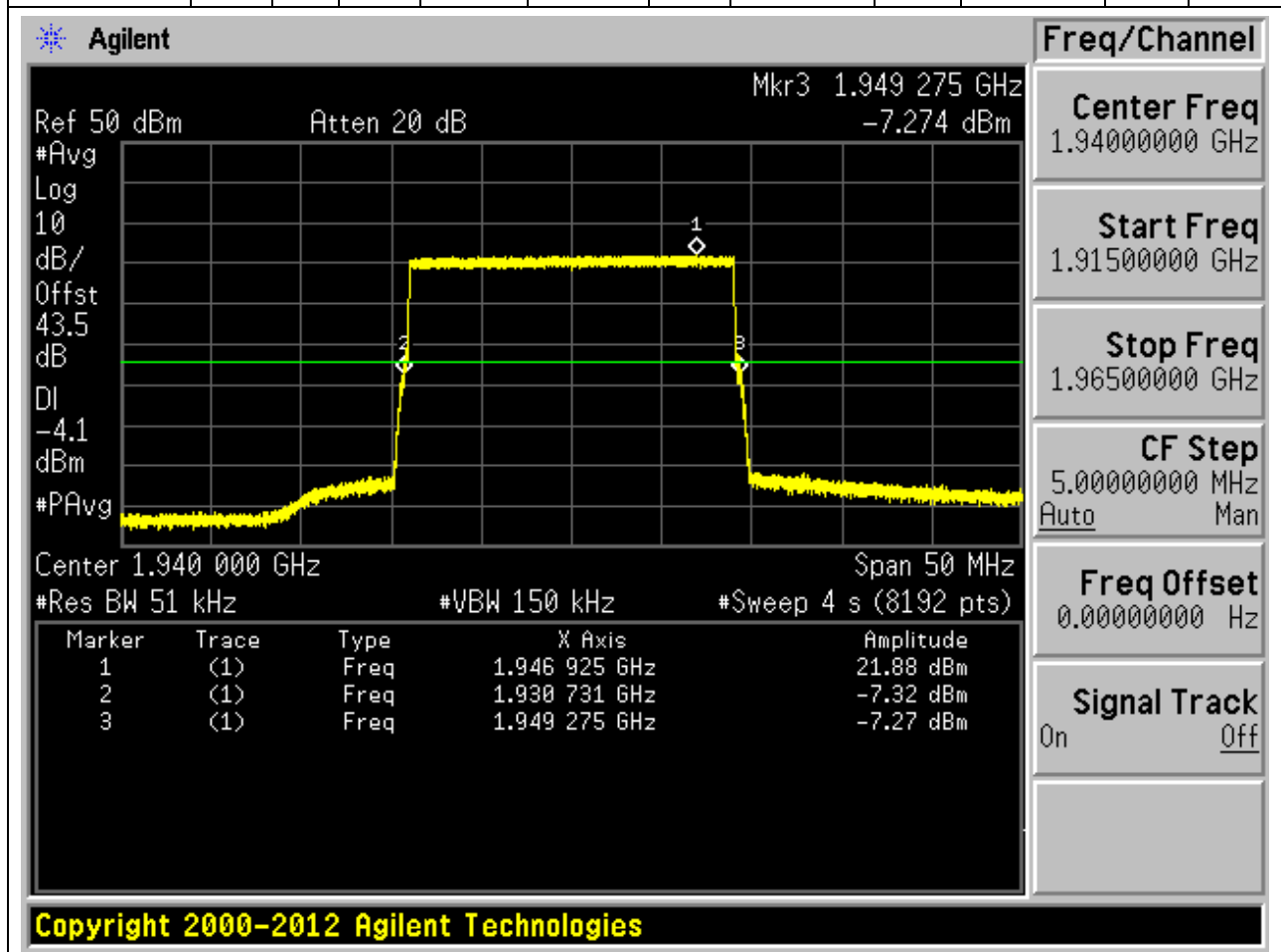
2.2.12 1L15M_TM1_T_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1982.5	37.5	26	0.051	RMS	13.914624	15	1975.527424	1930	1989.442048	1990	Pass



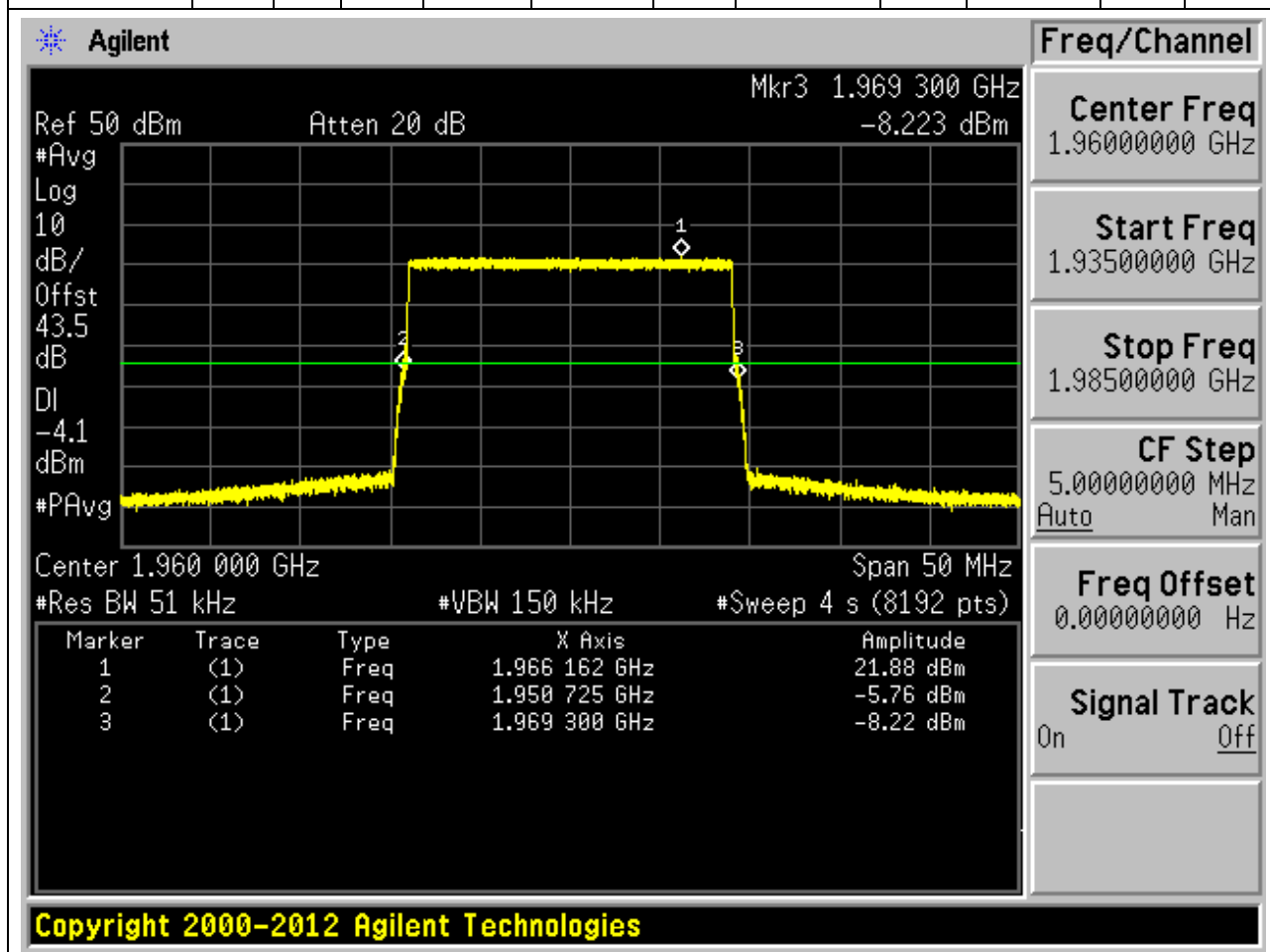
2.2.13 1L20M_TM1_B_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
1940	50	26	0.051	RMS	18.544768	20	1930.730624	1930	1949.275392	1990	Pass



2.2.14 1L20M_TM1_M_Band2

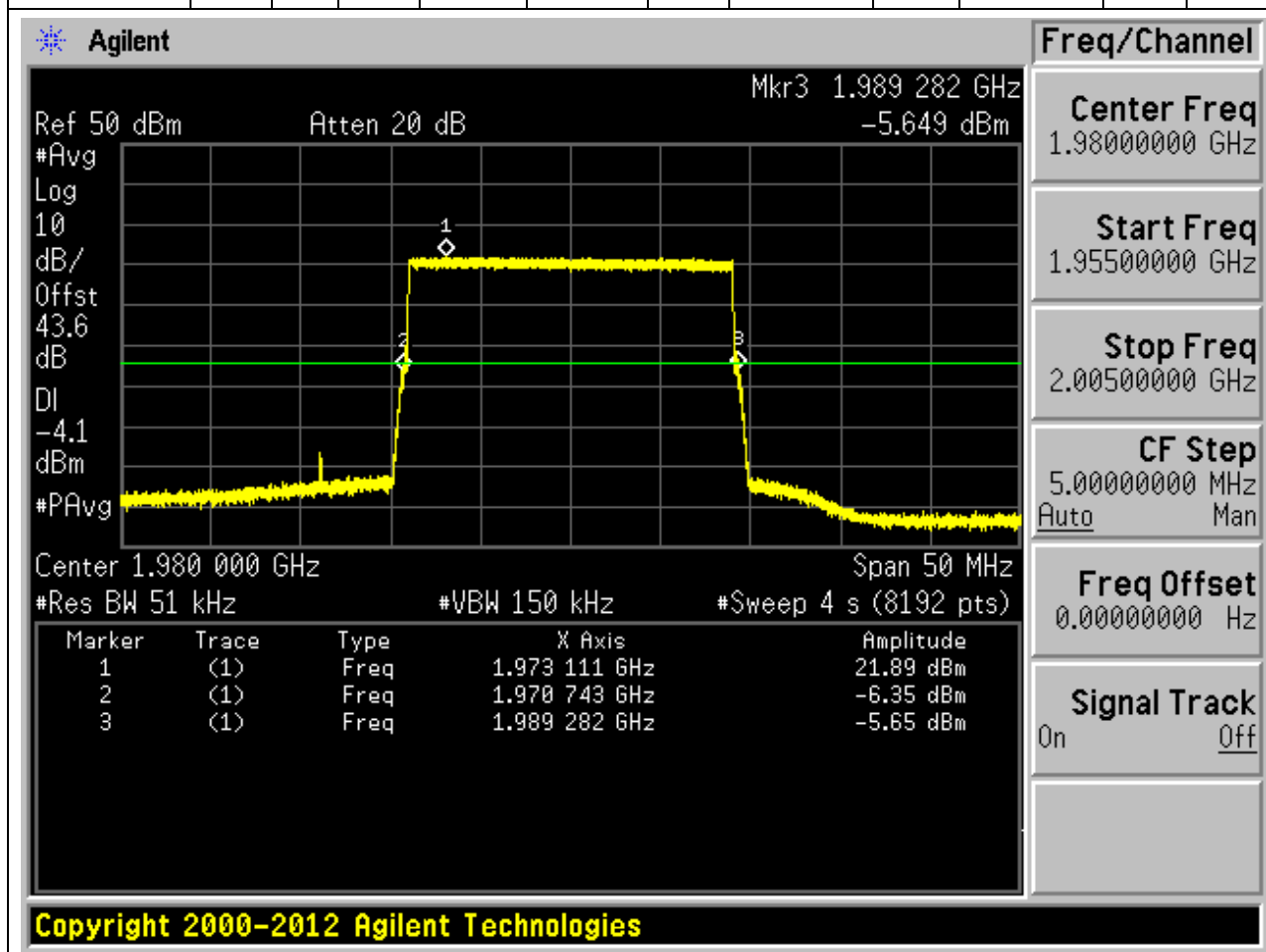
Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	50	26	0.051	RMS	18.575232	20	1950.724608	1930	1969.29984	1990	Pass





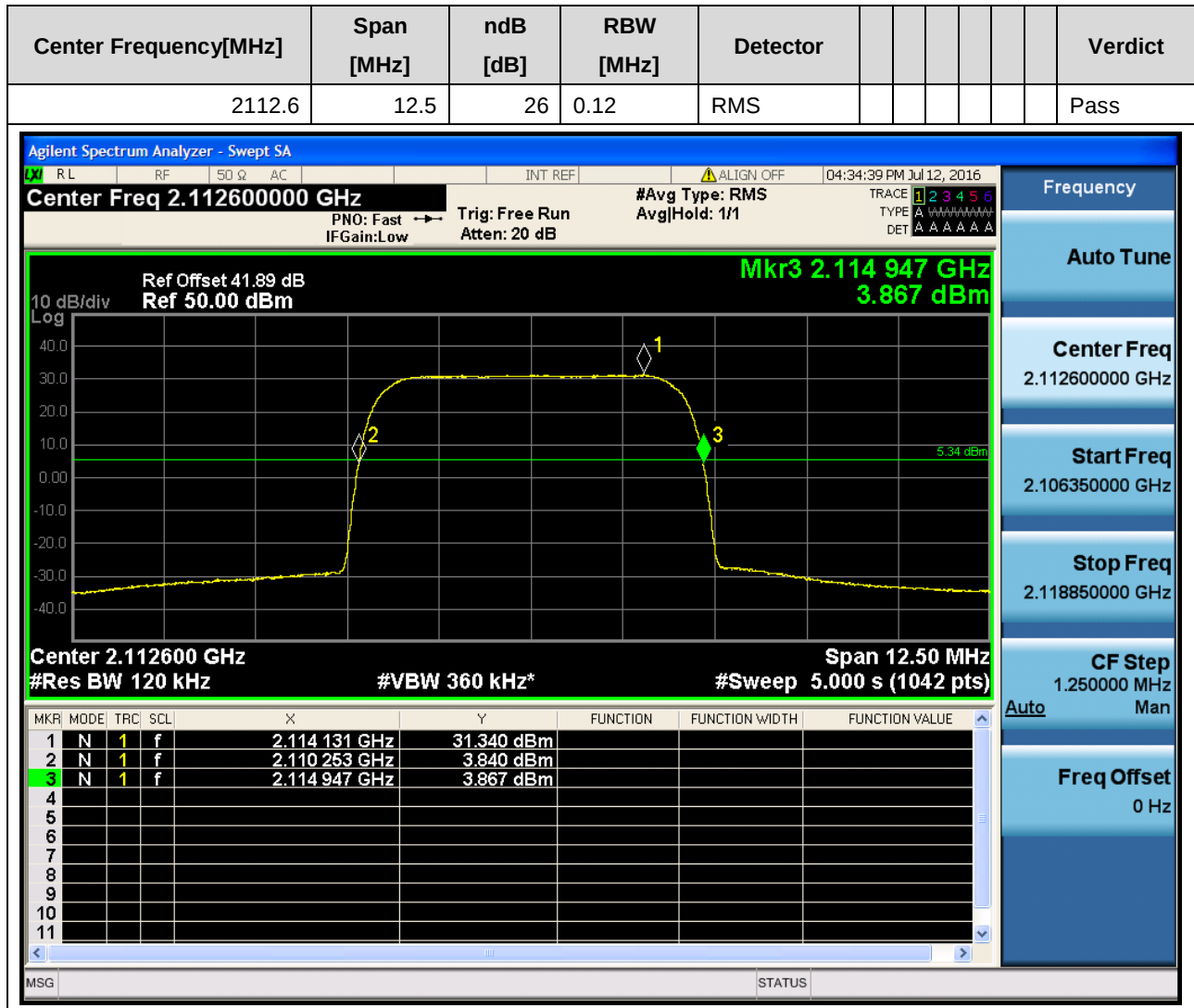
2.2.15 1L20M_TM1_T_Band2

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1980	50	26	0.051	RMS	18.538624	20	1970.742912	1930	1989.281536	1990	Pass



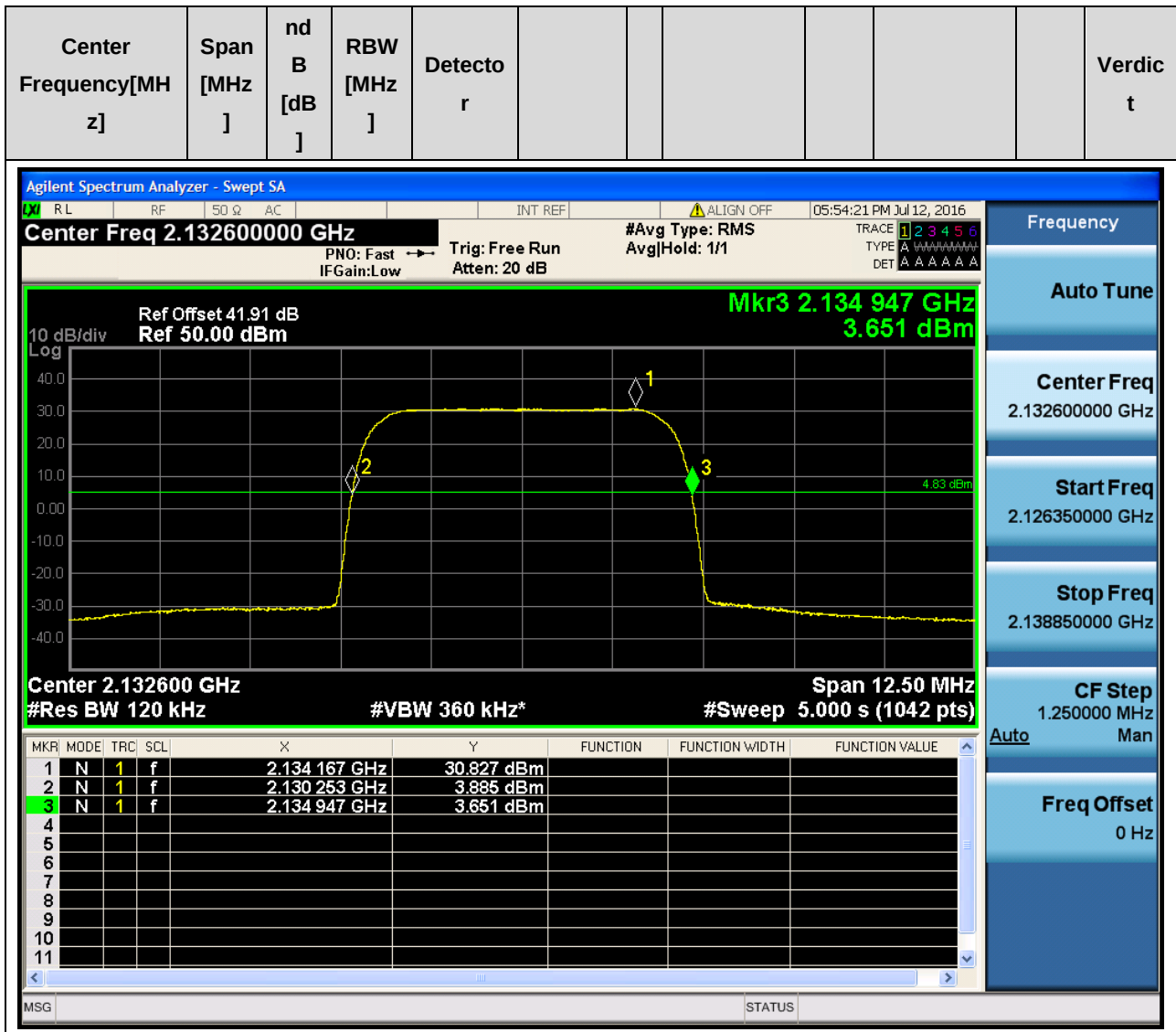


2.2.16 1U_TM1_B_Band4



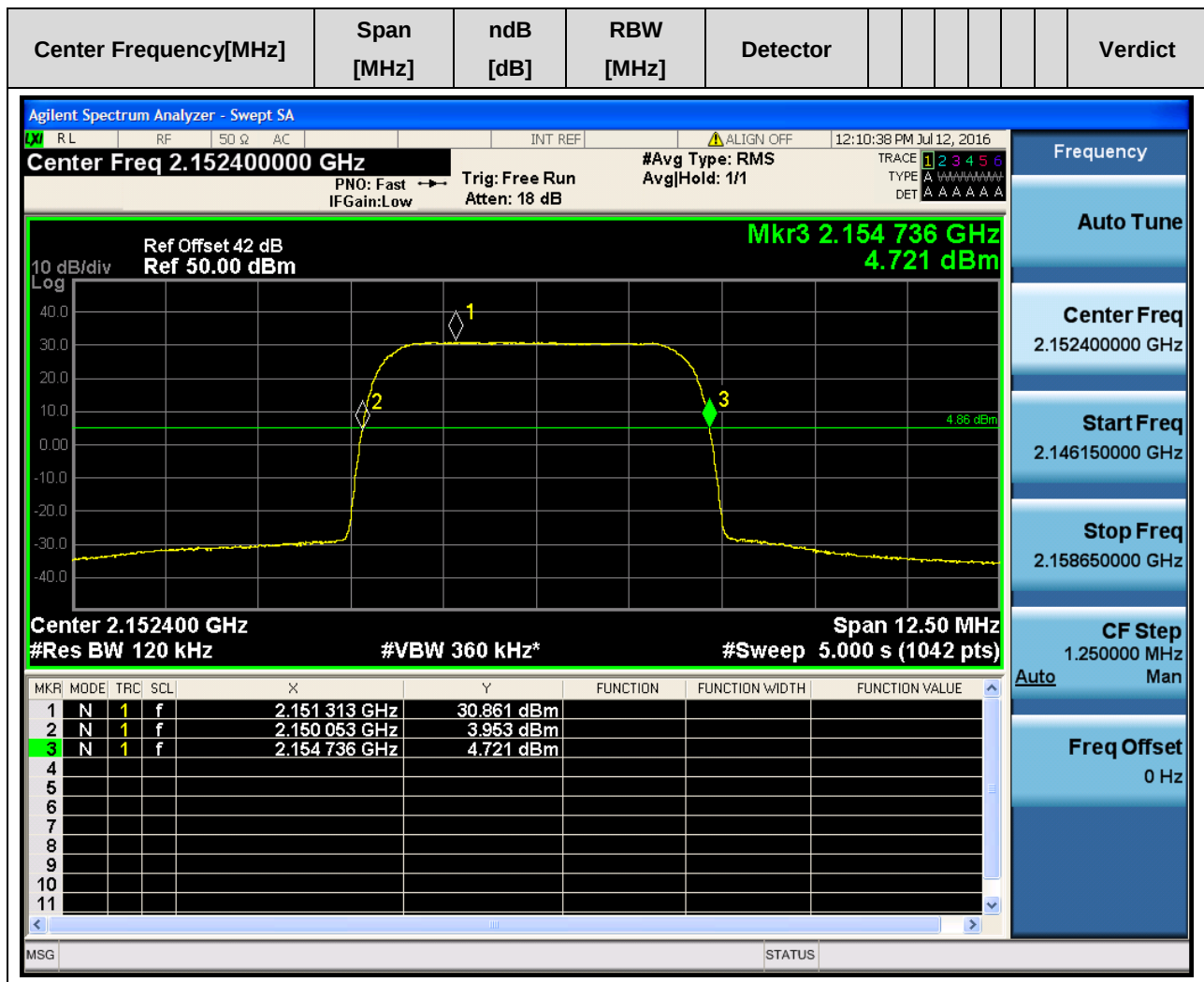
2.2.17 1U_TM1_M_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RBW [MHz]	Detector							Verdict
2132.6	12.5	26	0.12	RMS	4.694912	5	2130.252544	2110	2134.947456	2155	Pass



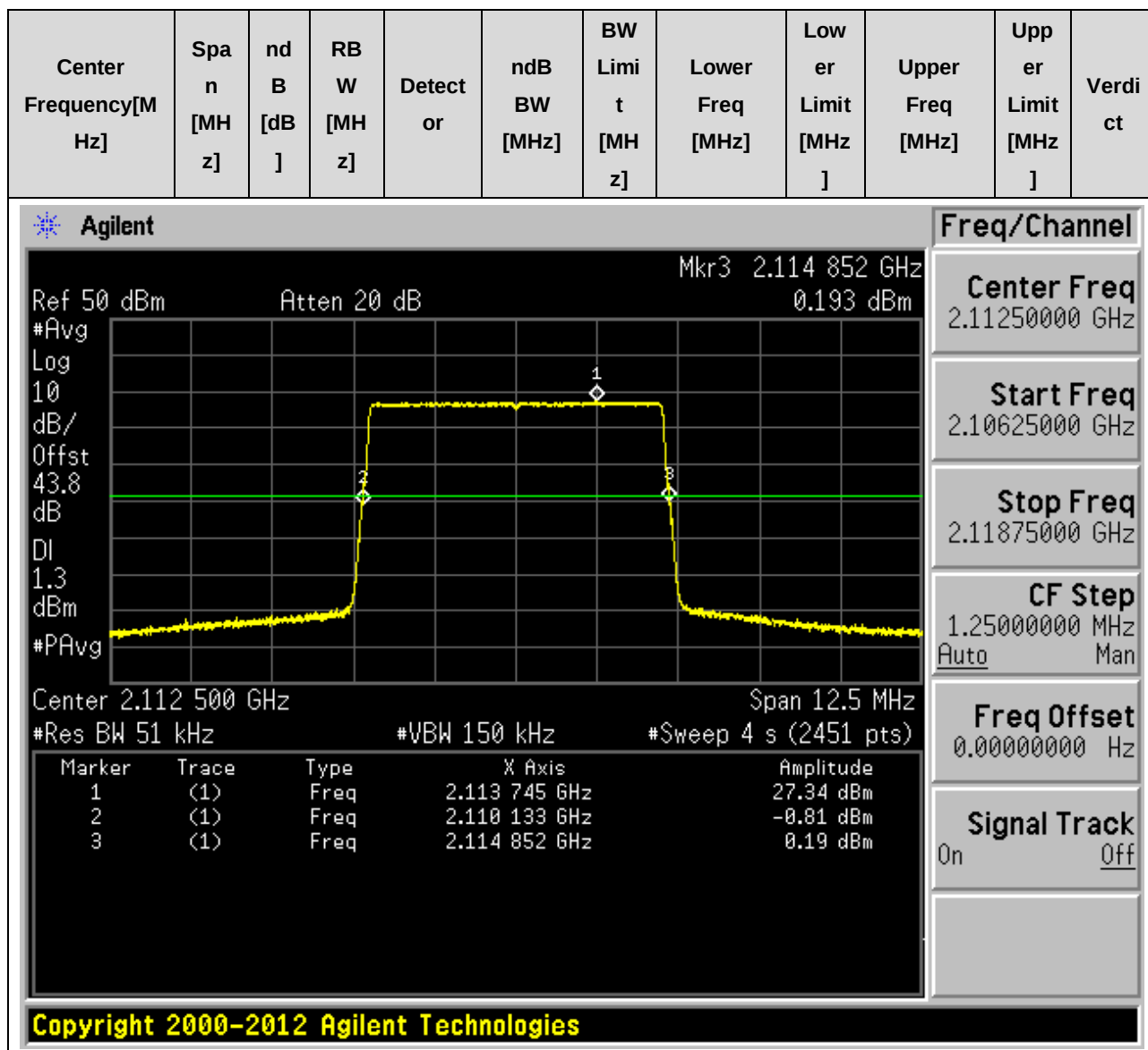
2.2.18 1U_TM1_T_Band4

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector							Verdict
2152.4	12.5	26	0.12	RMS							Pass



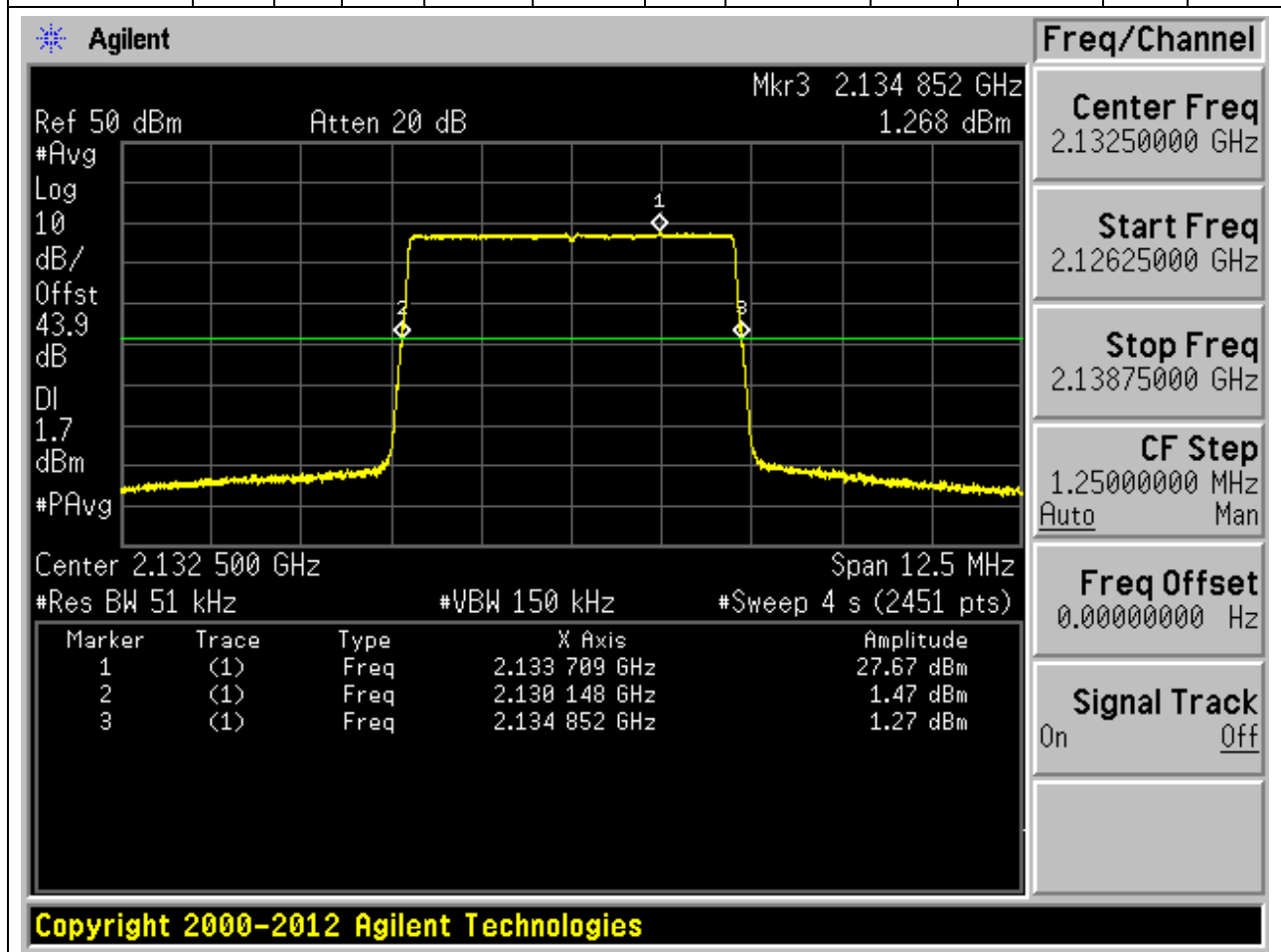
2.2.19 1L5M_TM1_B_Band4

Center Frequency[M Hz]	Spa n [MH z]	nd B [dB]	RB W [MH z]	Detect or	ndB BW [MHz]	BW Limi t [MH z]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdi ct
2112.5	12.5	26	0.051	RMS	4.719488	5	2110.132608	2110	2114.852096	2155	Pass



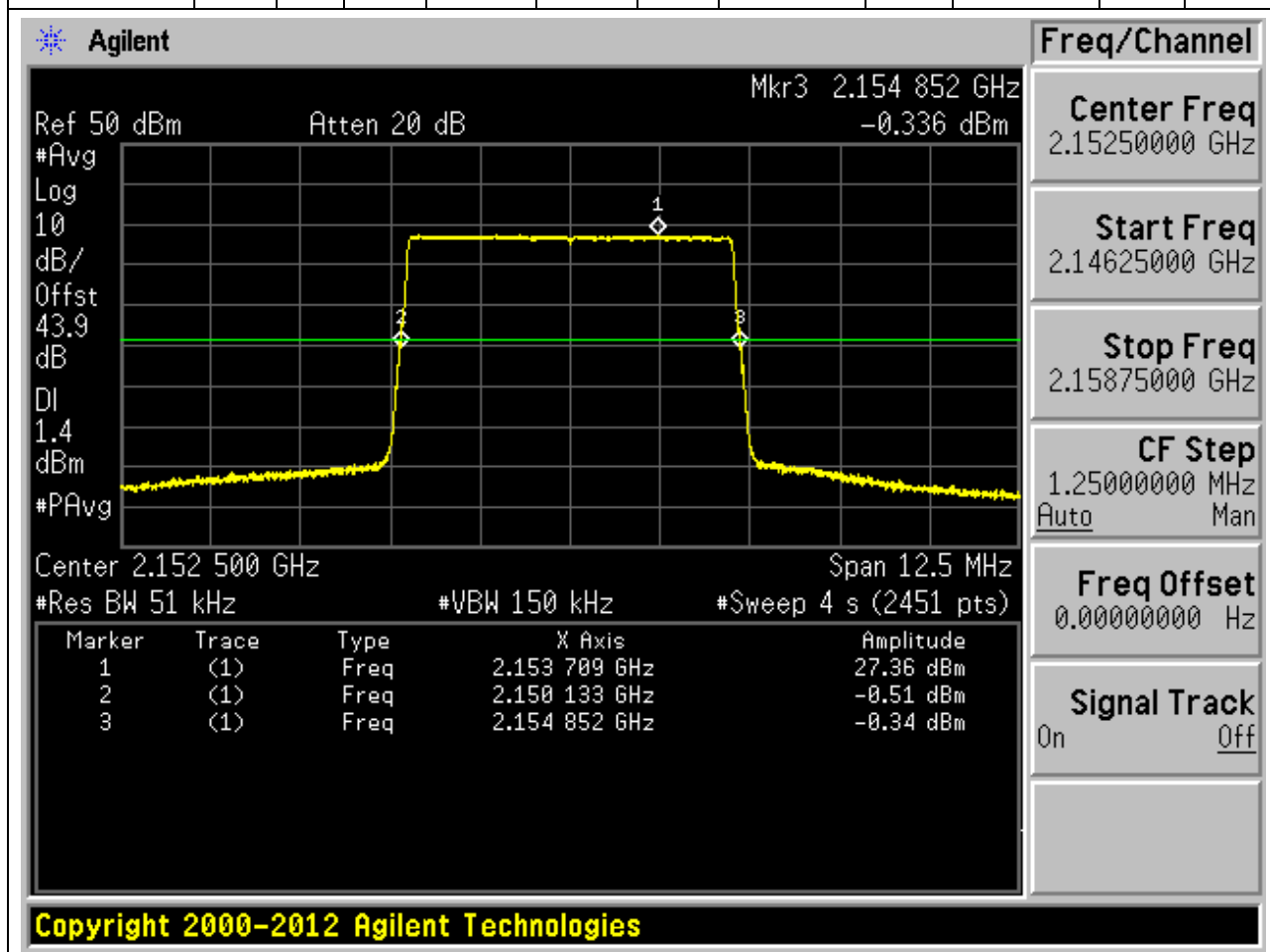
2.2.20 1L5M_TM1_M_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2132.5	12.5	26	0.051	RMS	4.704128	5	2130.147968	2110	2134.852096	2155	Pass



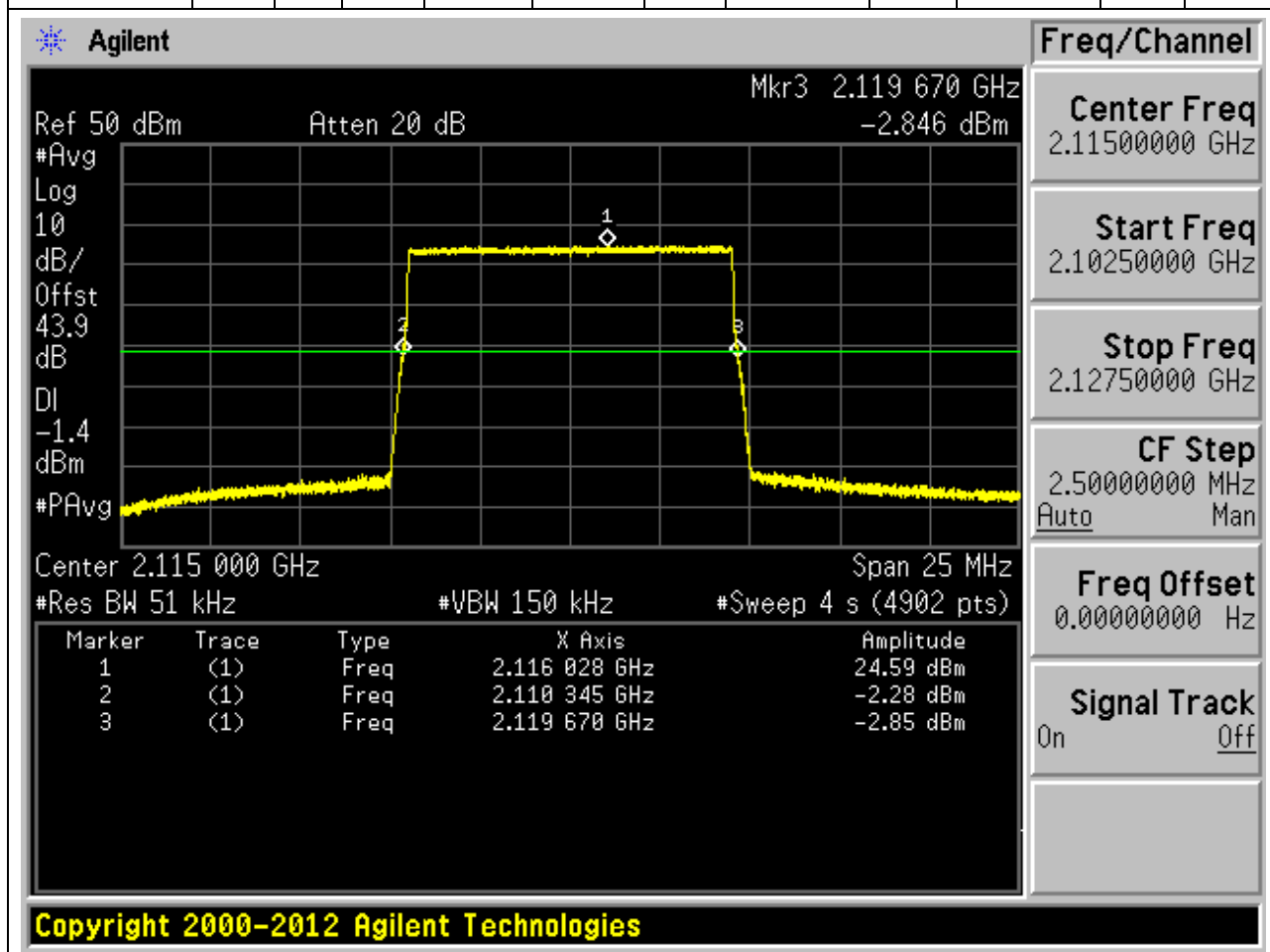
2.2.21 1L5M_TM1_T_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2152.5	12.5	26	0.051	RMS	4.71936	5	2150.132736	2110	2154.852096	2155	Pass



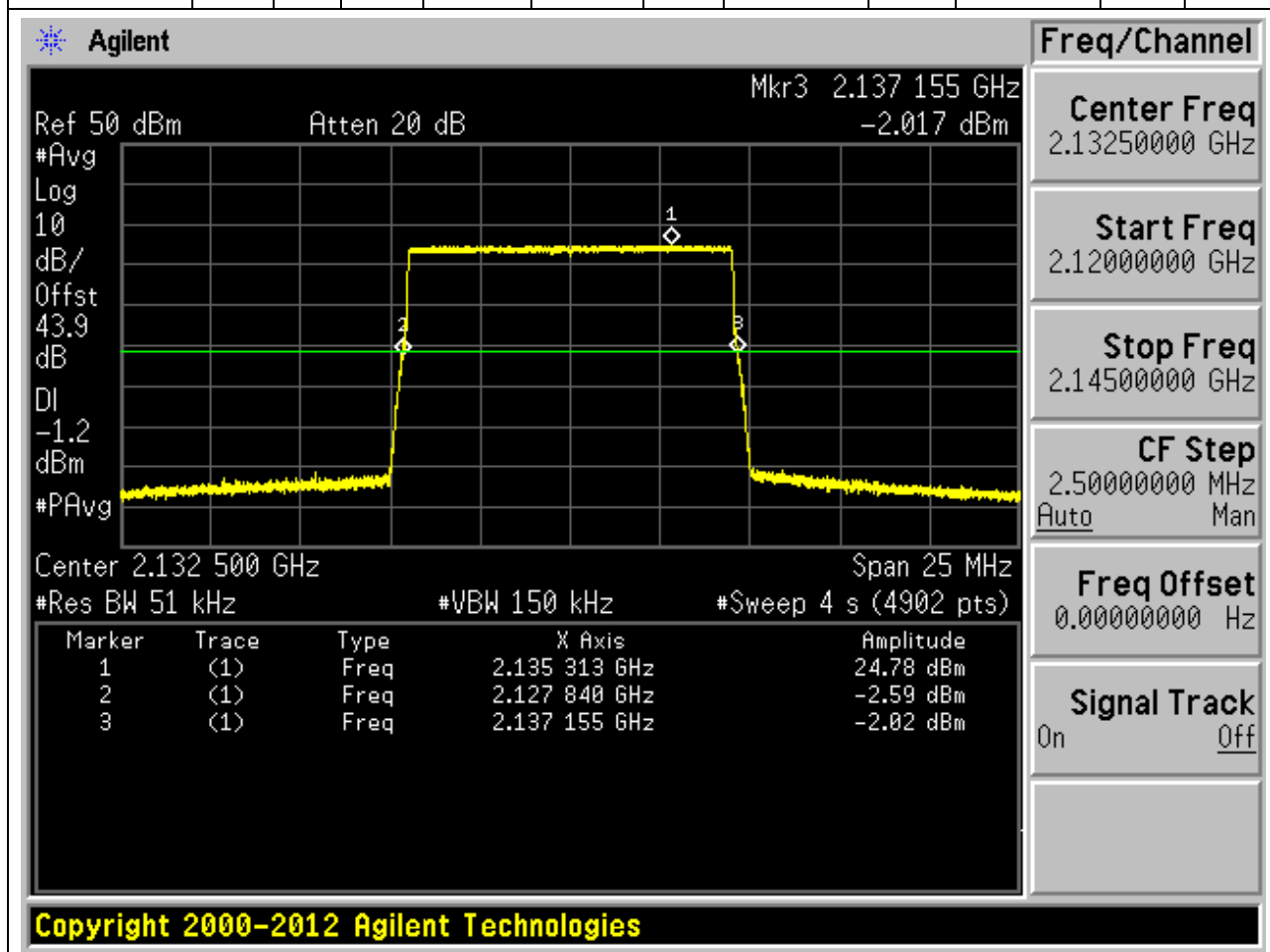
2.2.22 1L10M_TM1_B_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2115	25	26	0.051	RMS	9.324672	10	2110.345344	2110	2119.670016	2155	Pass



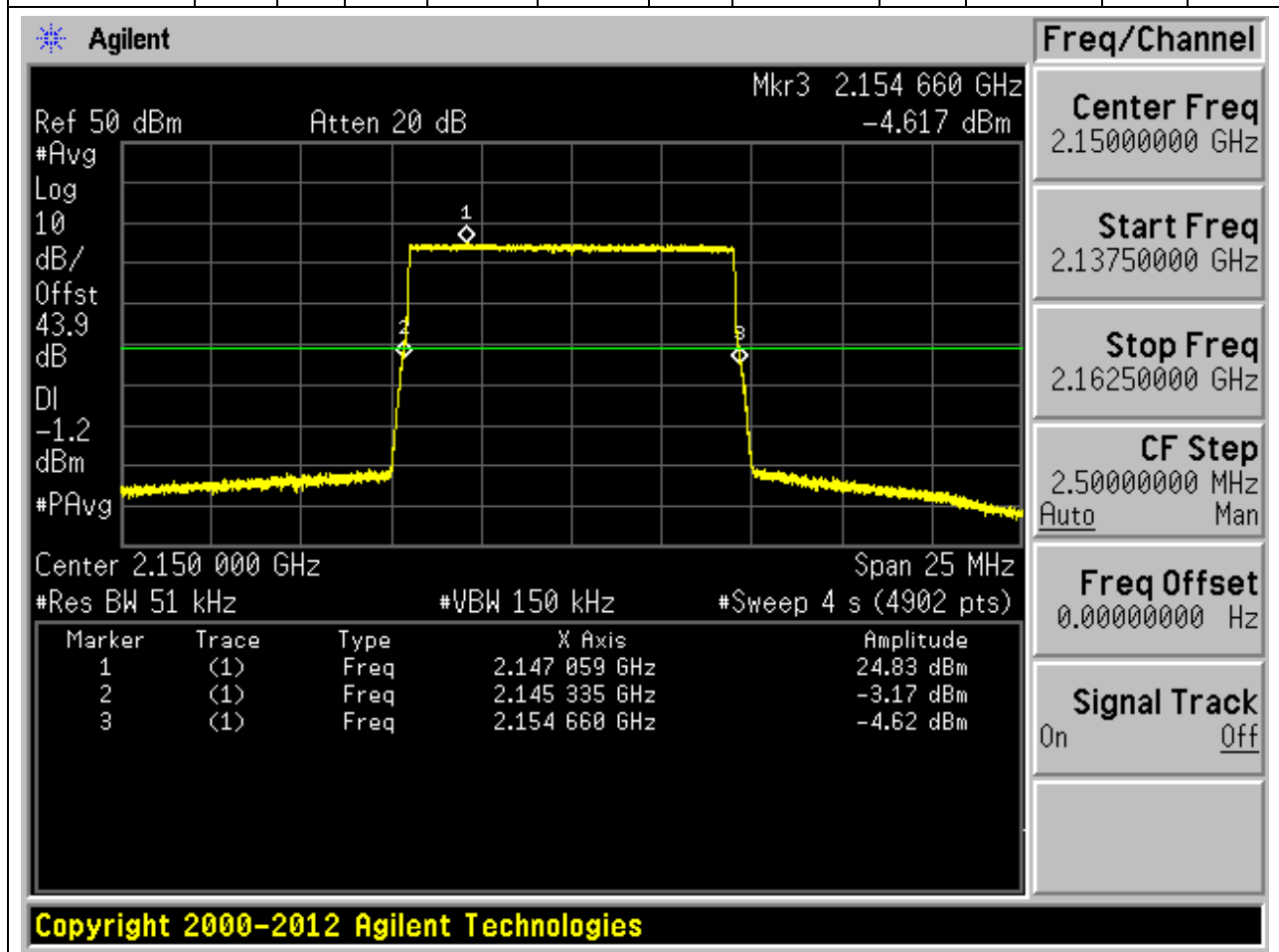
2.2.23 1L10M_TM1_M_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2132.5	25	26	0.051	RMS	9.314432	10	2127.840256	2110	2137.154688	2155	Pass



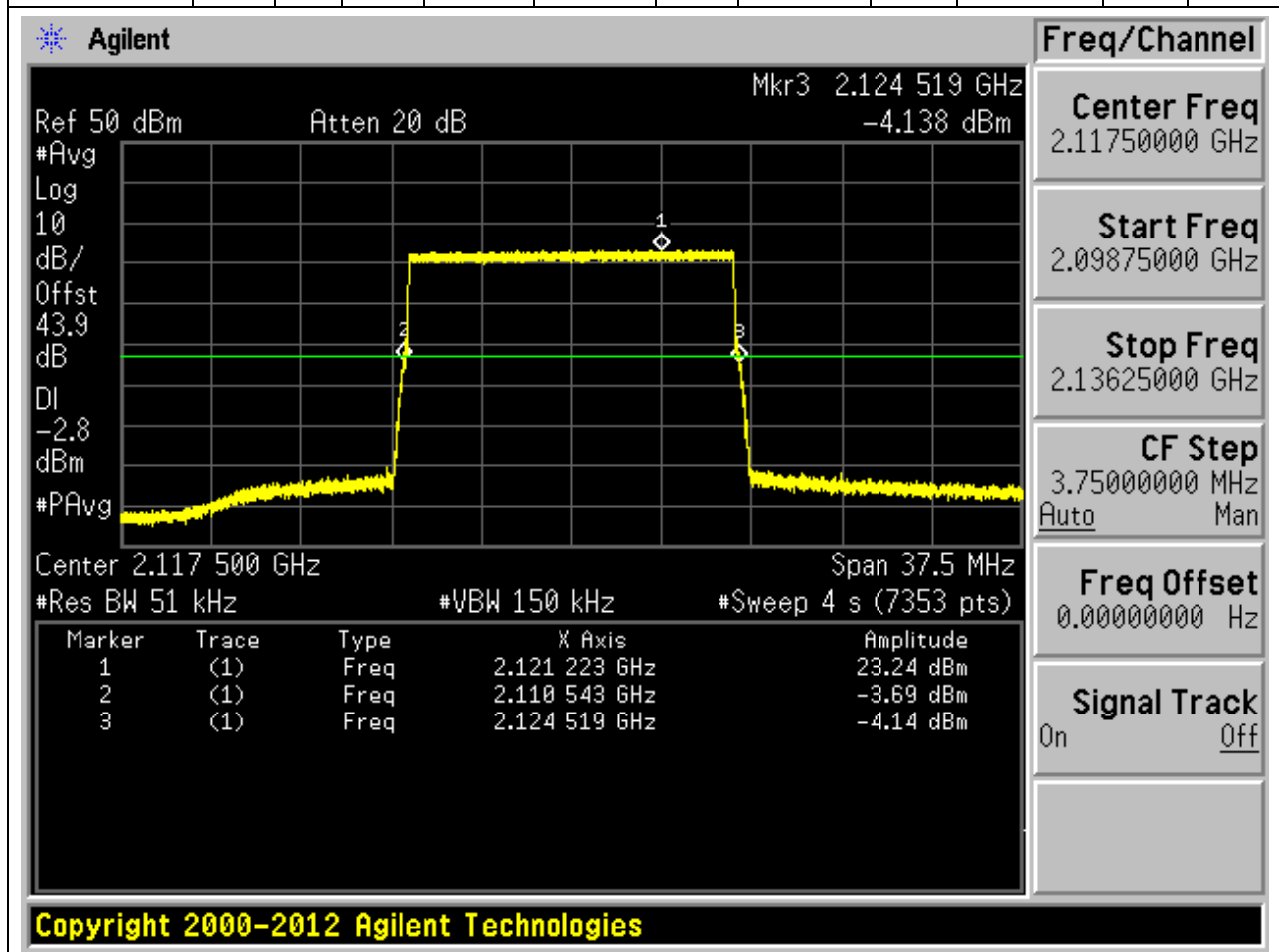
2.2.24 1L10M_TM1_T_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
2150	25	26	0.051	RMS	9.324672	10	2145.335168	2110	2154.65984	2155	Pass



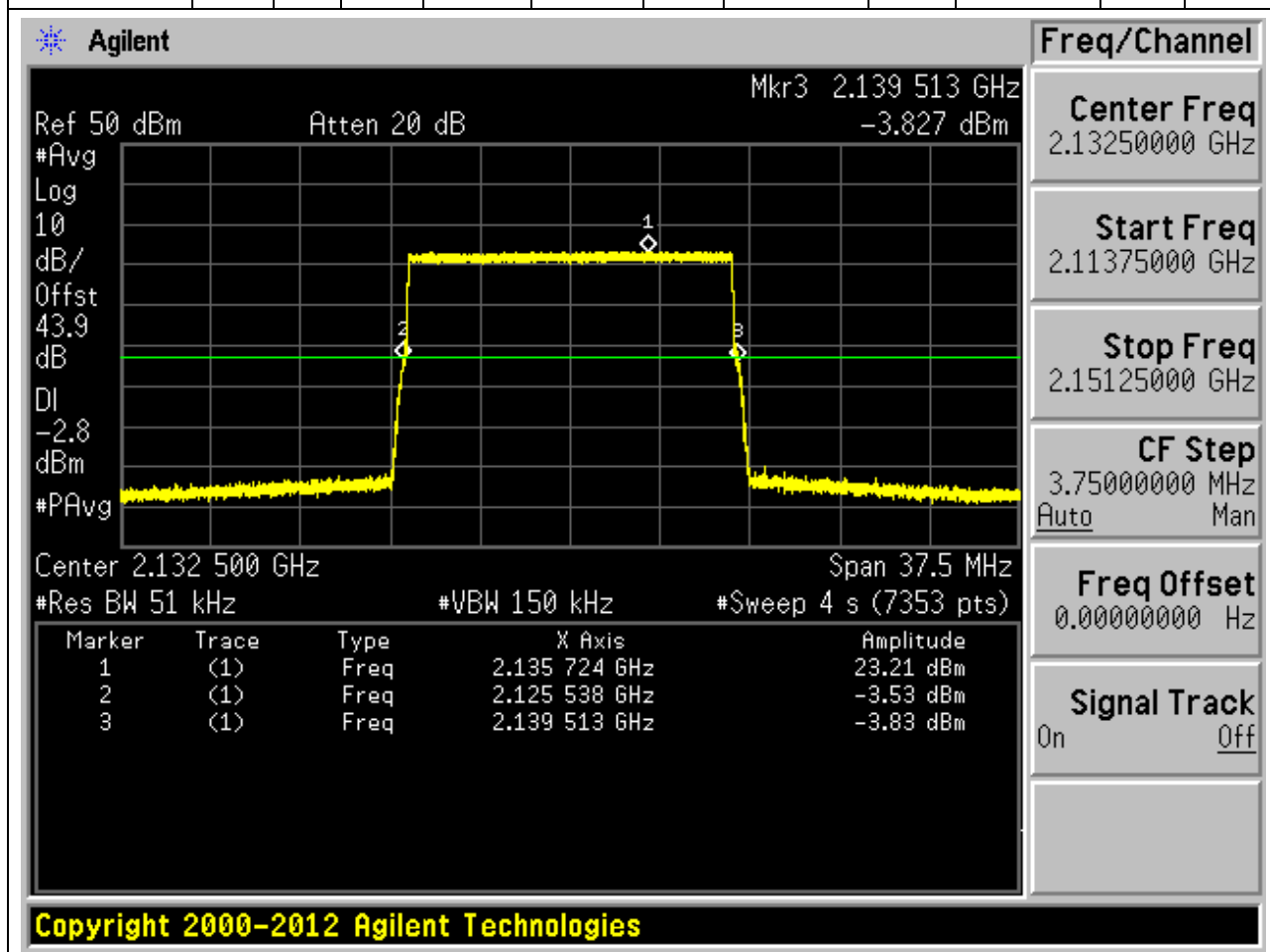
2.2.25 1L15M_TM1_B_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2117.5	37.5	26	0.051	RMS	13.975808	15	2110.54272	2110	2124.518528	2155	Pass



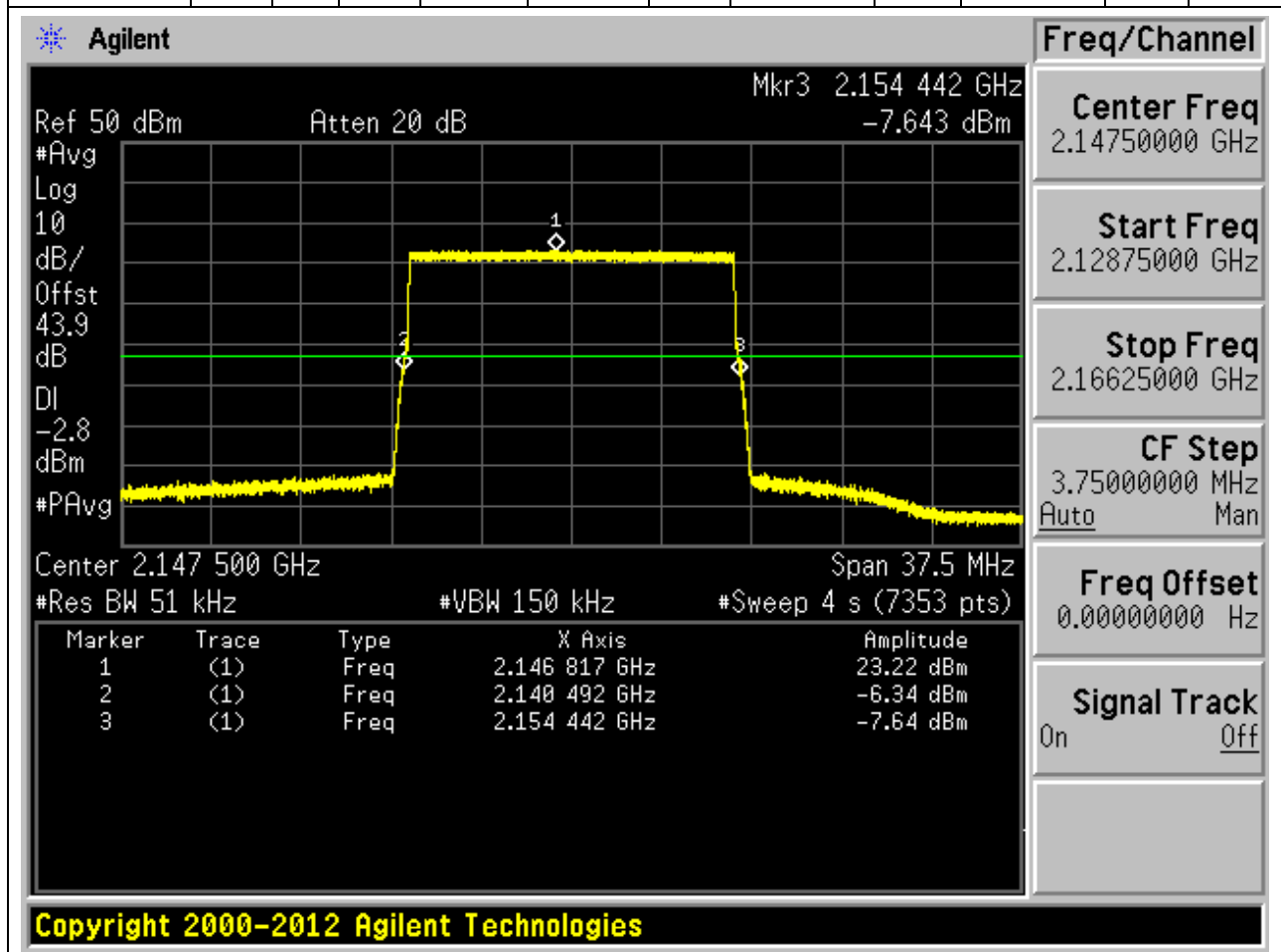
2.2.26 1L15M_TM1_M_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2132.5	37.5	26	0.051	RMS	13.97568	15	2125.537664	2110	2139.513344	2155	Pass



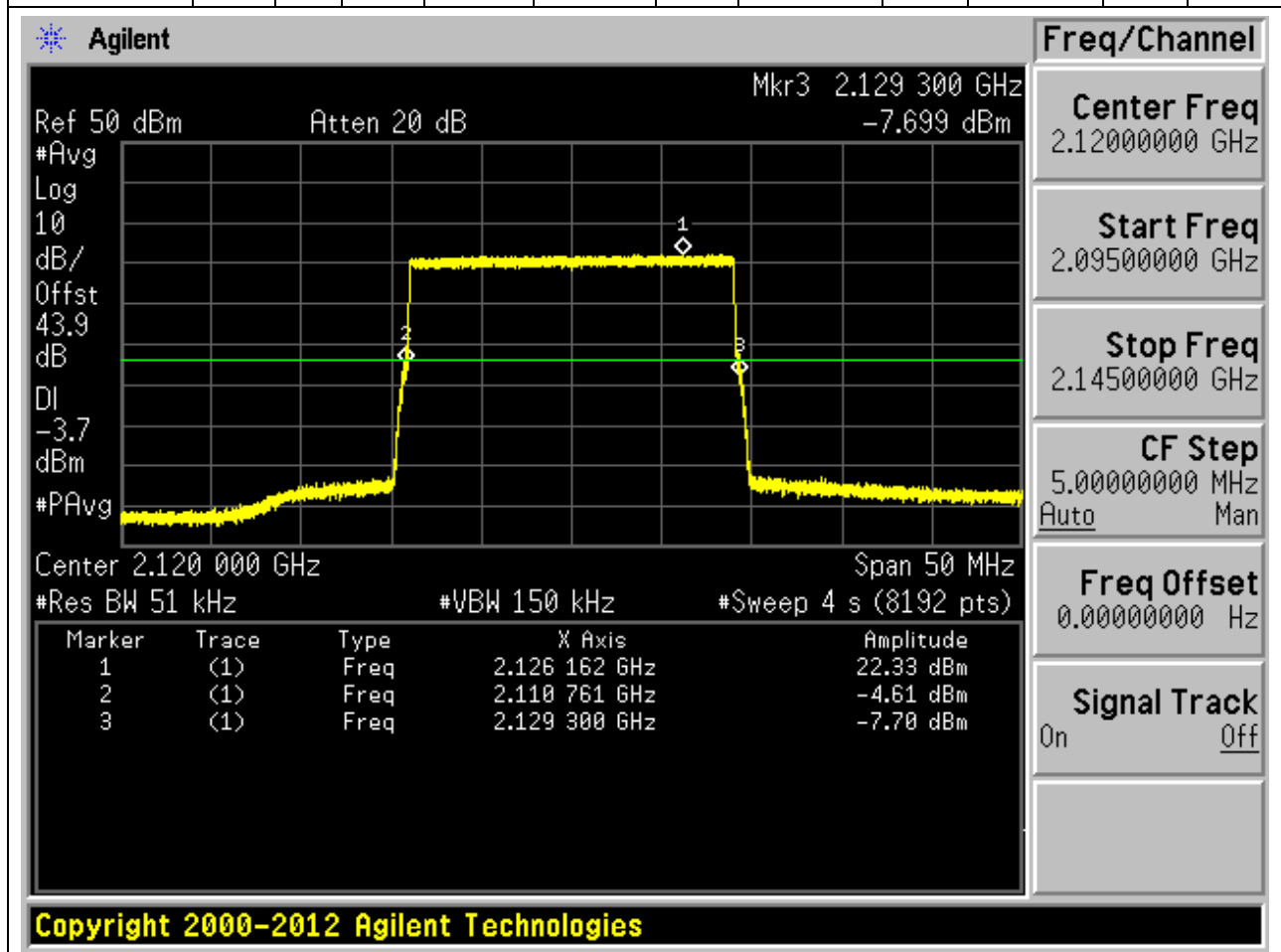
2.2.27 1L15M_TM1_T_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2147.5	37.5	26	0.051	RMS	13.950336	15	2140.491648	2110	2154.441984	2155	Pass



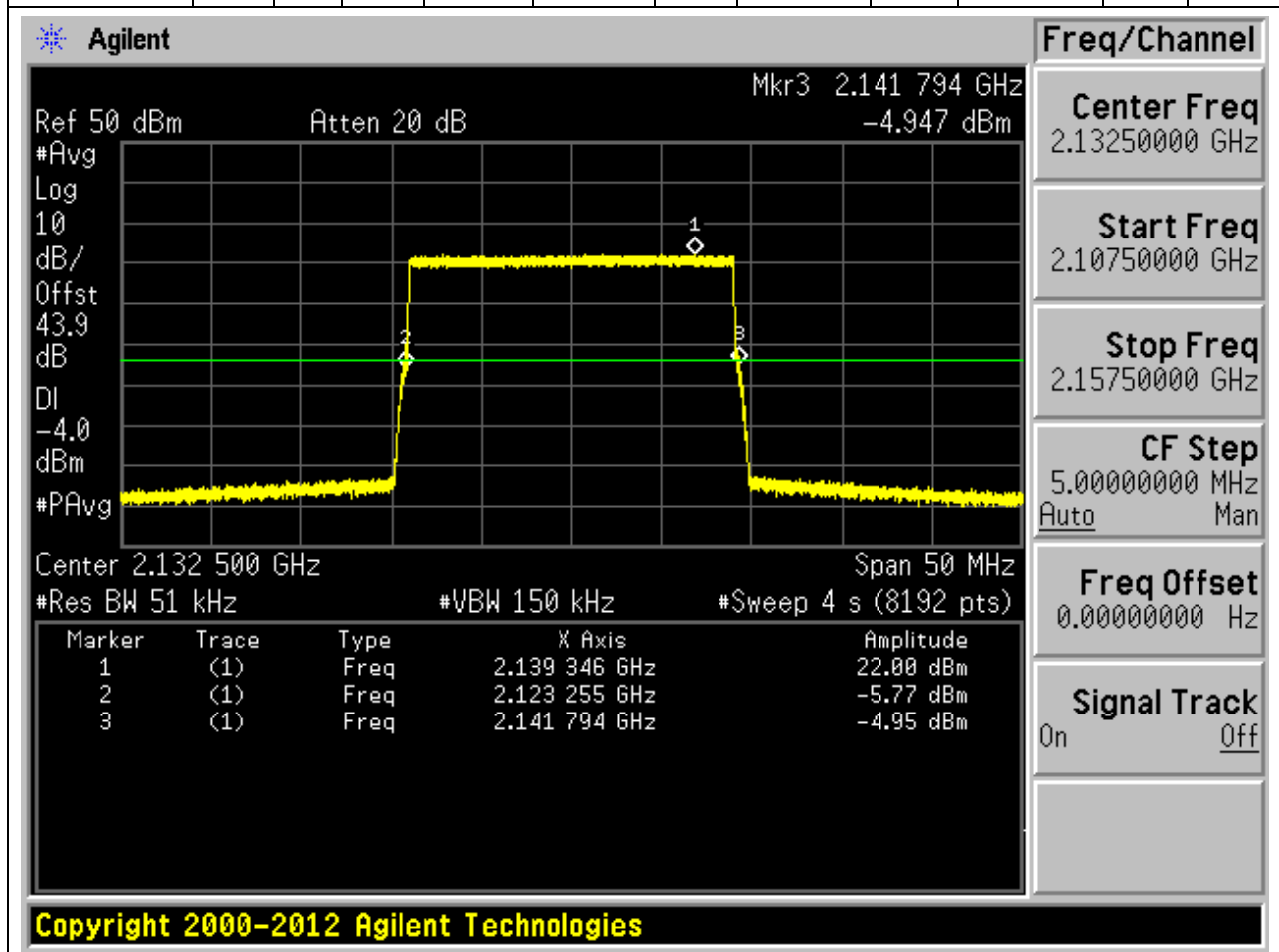
2.2.28 1L20M_TM1_B_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
2120	50	26	0.051	RMS	18.538624	20	2110.761216	2110	2129.29984	2155	Pass



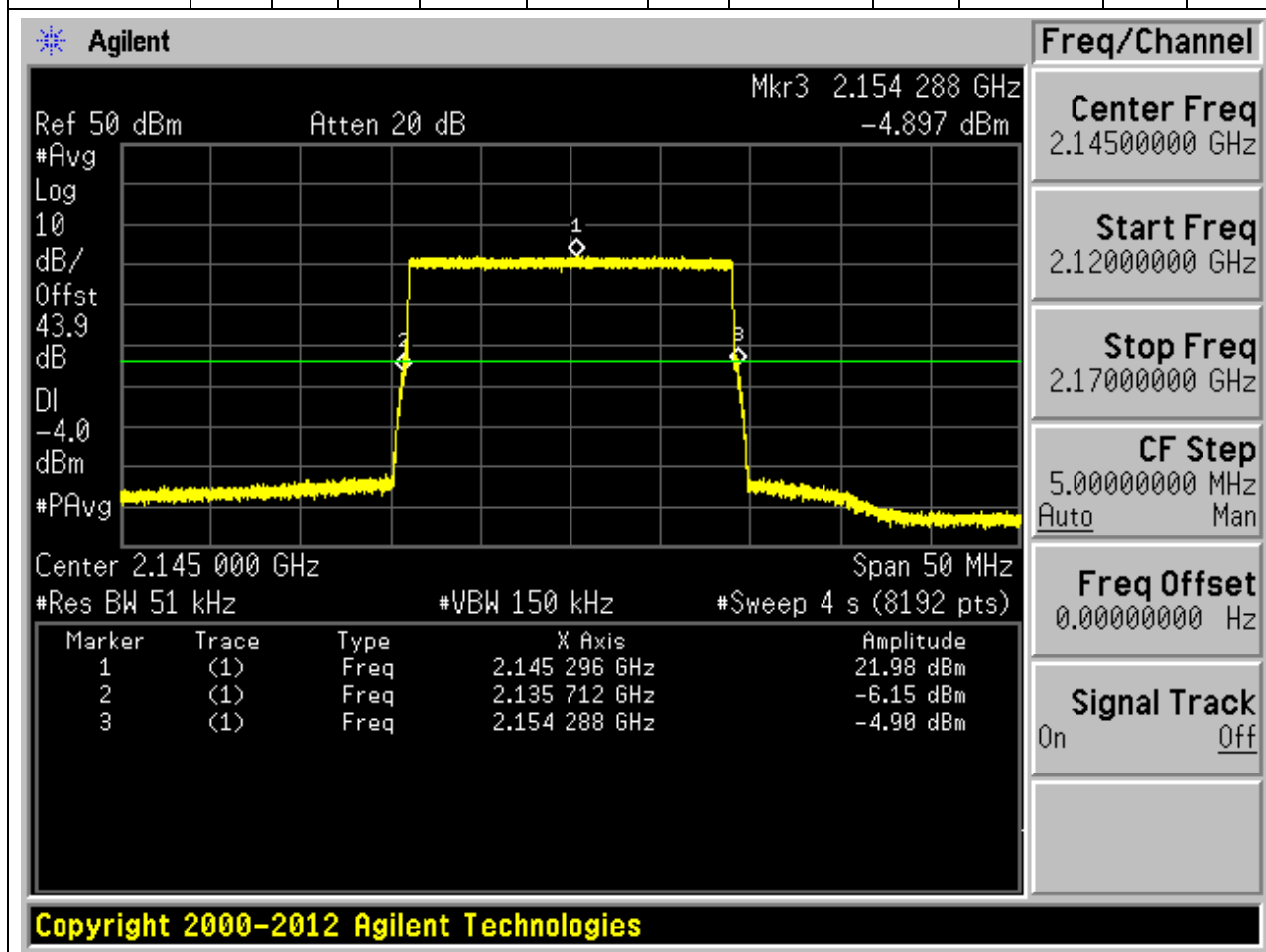
2.2.29 1L20M_TM1_M_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2132.5	50	26	0.051	RMS	18.538752	20	2123.25504	2110	2141.793792	2155	Pass



2.2.30 1L20M_TM1_T_Band4

Center Frequency[MHz]	Span [MHz]	nd B [dB]	RB W [MHz]	Detect or	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Low er Limit [MHz]	Upper Freq [MHz]	Upp er Limit [MHz]	Verdict
2145	50	26	0.051	RMS	18.575232	20	2135.712384	2110	2154.287616	2155	Pass





Appendix C: Band Edges Compliance / Emission Mask



1 Result Table

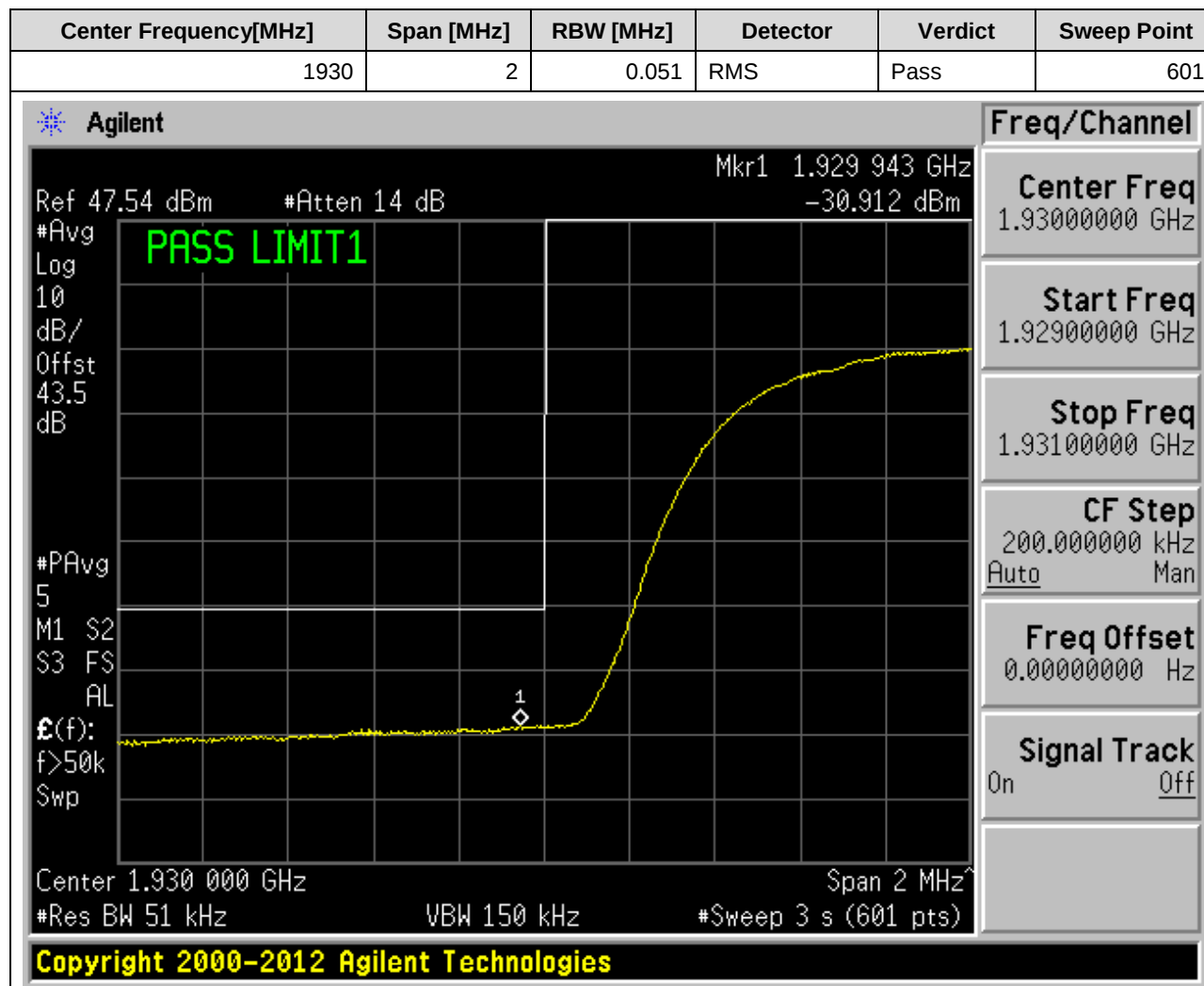
NOTE: If applicable, the offset of measurement filter -3dB point may be considered when identifying the maximum emission for e.g. the CDMA, WCDMA, WiMAX, LTE systems.

EUT Conf.	Verdict
1U_TM1_B_Band2	Pass
1U_TM1_T_Band2	Pass
NTC_4U_TM1_B_Band2	Pass
NTC_4U_TM1_T_Band2	Pass
1L5M_TM1_B_Band2	Pass
1L5M_TM1_T_Band2	Pass
1L10M_TM1_B_Band2	Pass
1L10M_TM1_T_Band2	Pass
1L15M_TM1_B_Band2	Pass
1L15M_TM1_T_Band2	Pass
1L20M_TM1_B_Band2	Pass
1L20M_TM1_T_Band2	Pass
NTC_4L_TM1_B_Band2	Pass
NTC_4L_TM1_T_Band2	Pass
1U_TM1_B_Band4	Pass
1U_TM1_T_Band4	Pass
4U_TM1_B_Band4	Pass
4U_TM1_T_Band4	Pass
1L5M_TM1_B_Band4	Pass
1L5M_TM1_T_Band4	Pass
1L10M_TM1_B_Band4	Pass
1L10M_TM1_T_Band4	Pass
1L15M_TM1_B_Band4	Pass
1L15M_TM1_T_Band4	Pass
1L20M_TM1_B_Band4	Pass
1L20M_TM1_T_Band4	Pass
NTC_4L_TM1_B_Band4	Pass
NTC_4L_TM1_T_Band4	Pass
NTC_2U2L_TM1_B_Band4	Pass
NTC_2U2L_TM1_T_Band4	Pass
1U_B_band2+1L_T_band4	Pass
NTC_1U1L_B_band2+NTC_2L_T_band4	Pass
NTC_1U1L_B_band2+NTC_1U1L_T_band4	Pass



2 Test Plot

2.1 1U_TM1_B_Band2



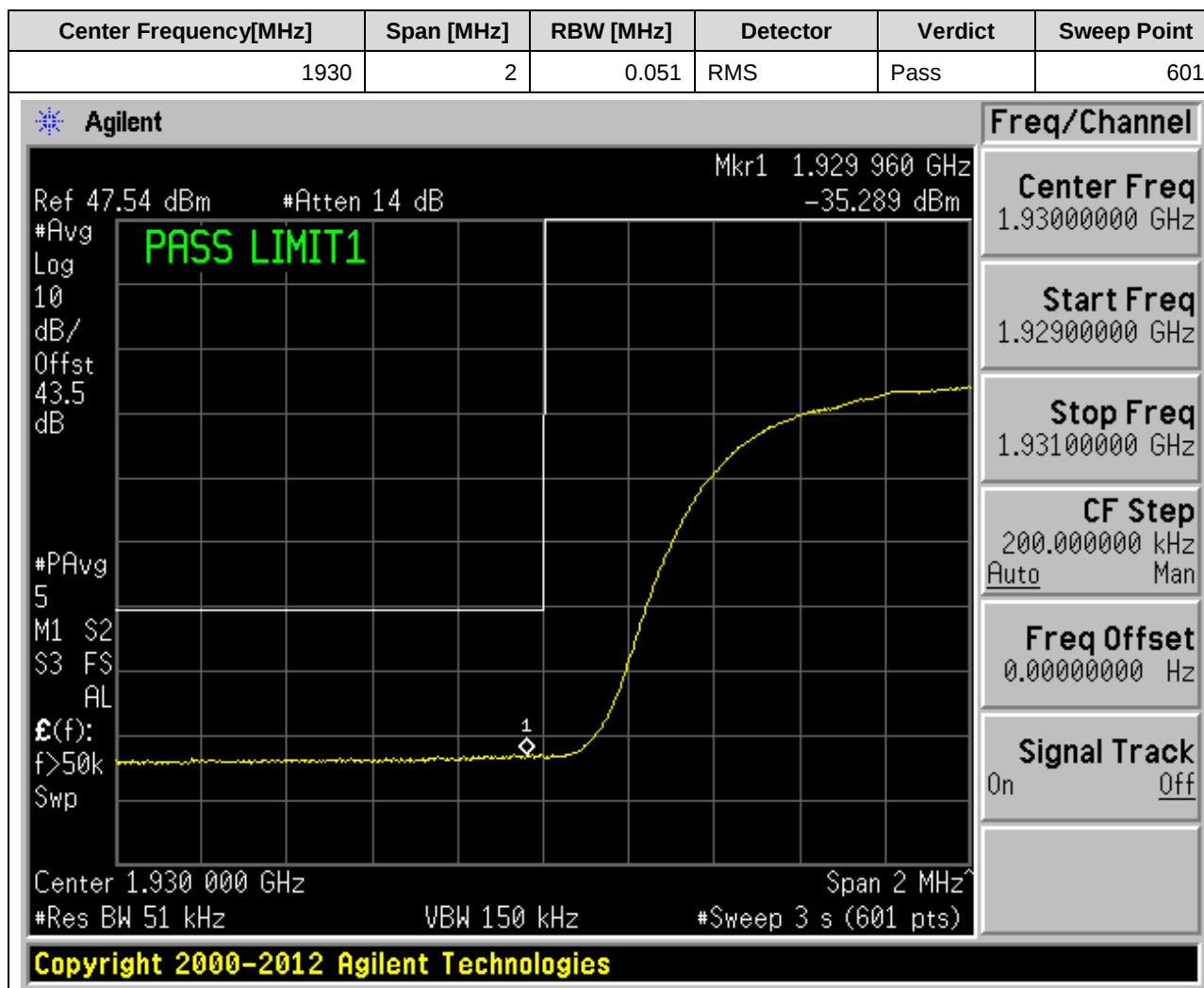


2.2 1U_TM1_T_Band2





2.3 NTC_4U_TM1_B_Band2



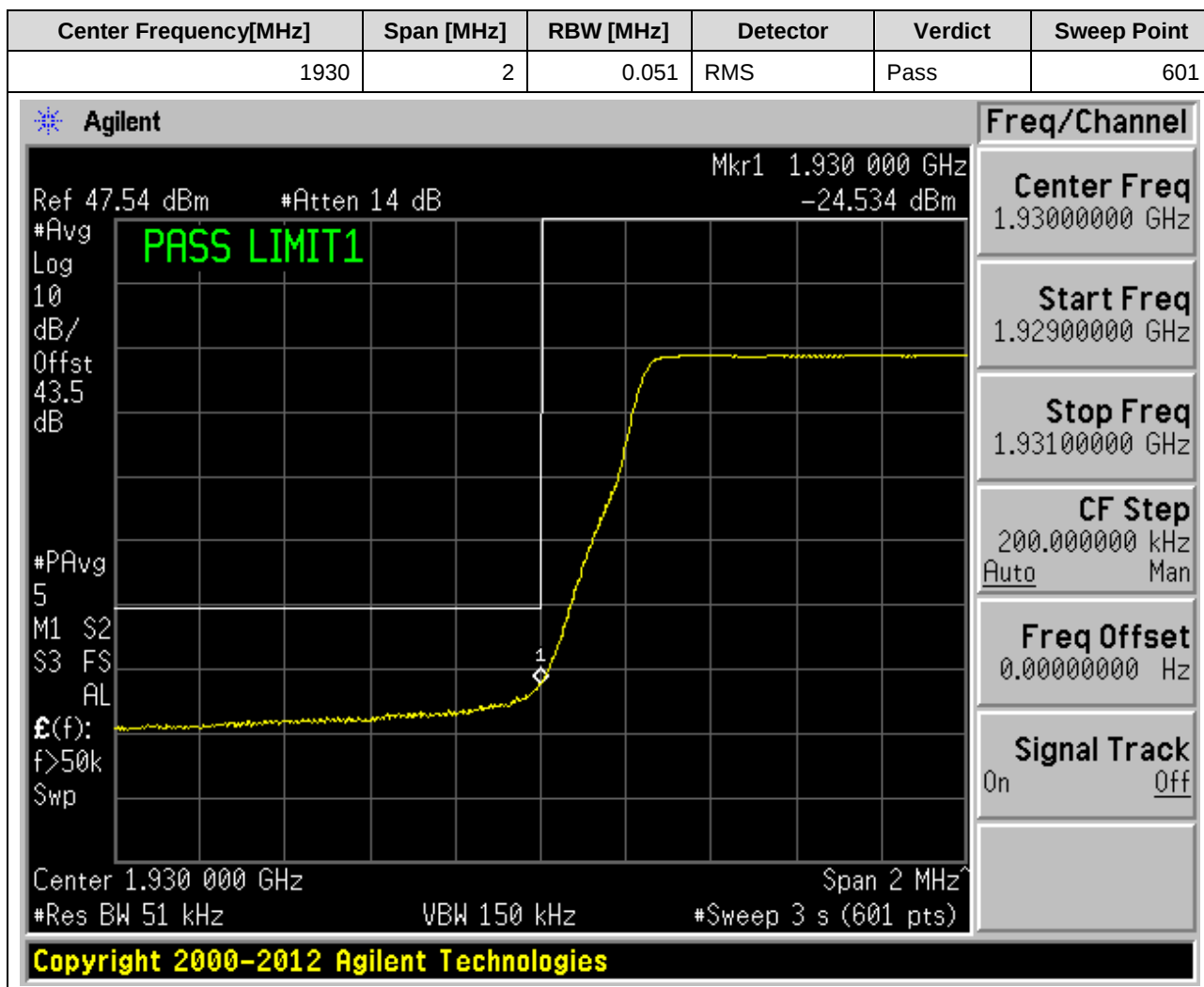


2.4 NTC_4U_TM1_T_Band2



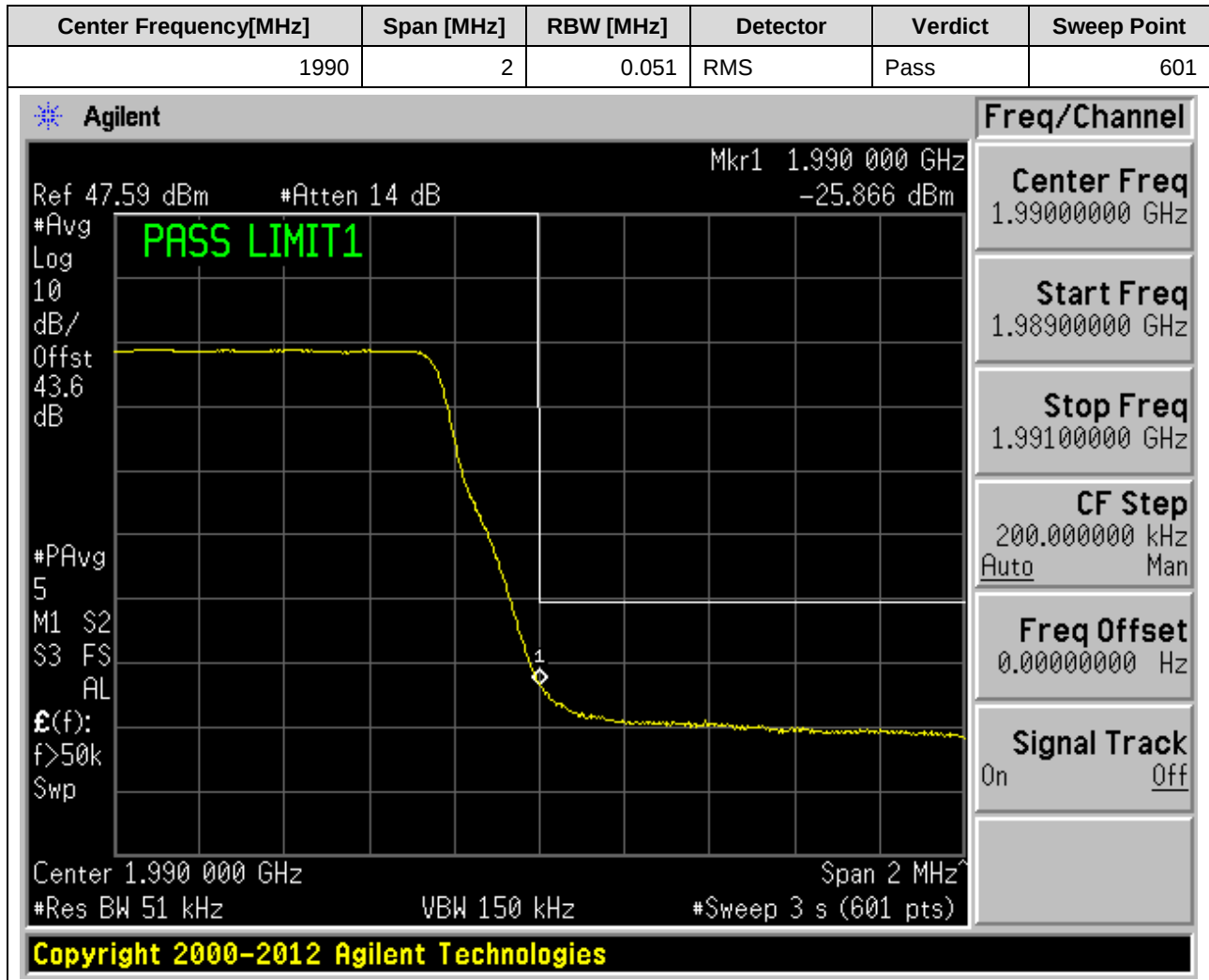


2.5 1L5M_TM1_B_Band2



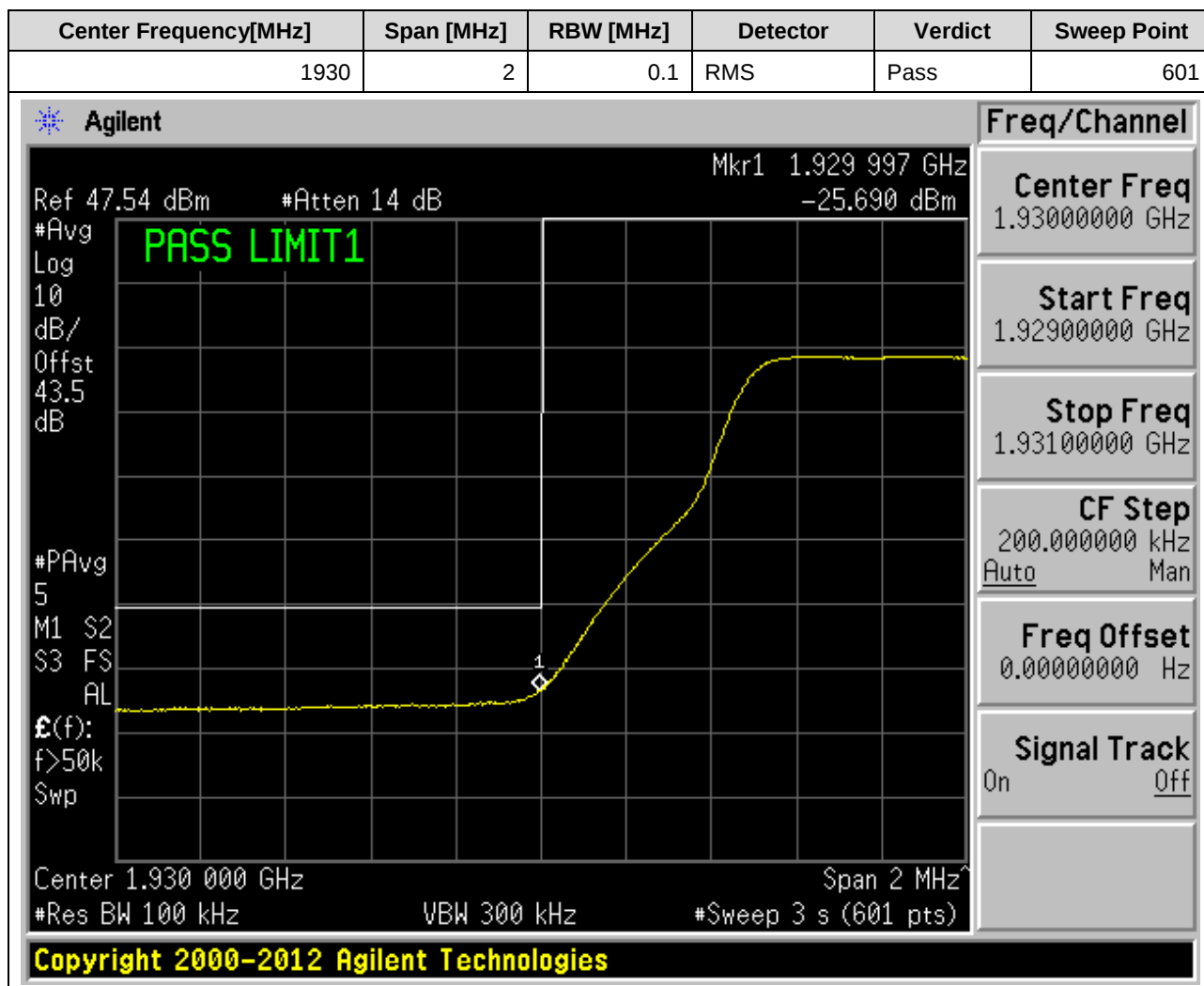


2.6 1L5M_TM1_T_Band2



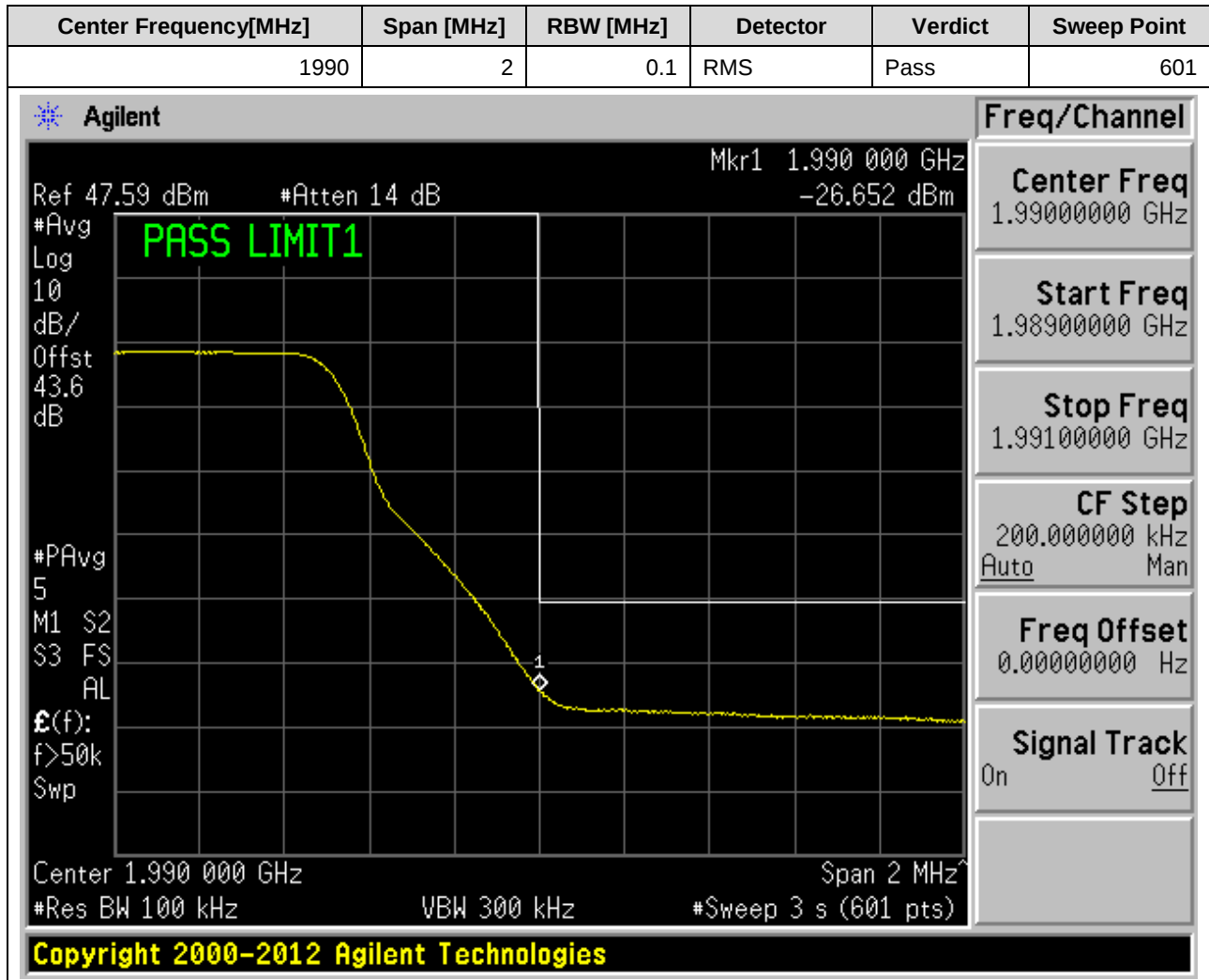


2.7 1L10M_TM1_B_Band2



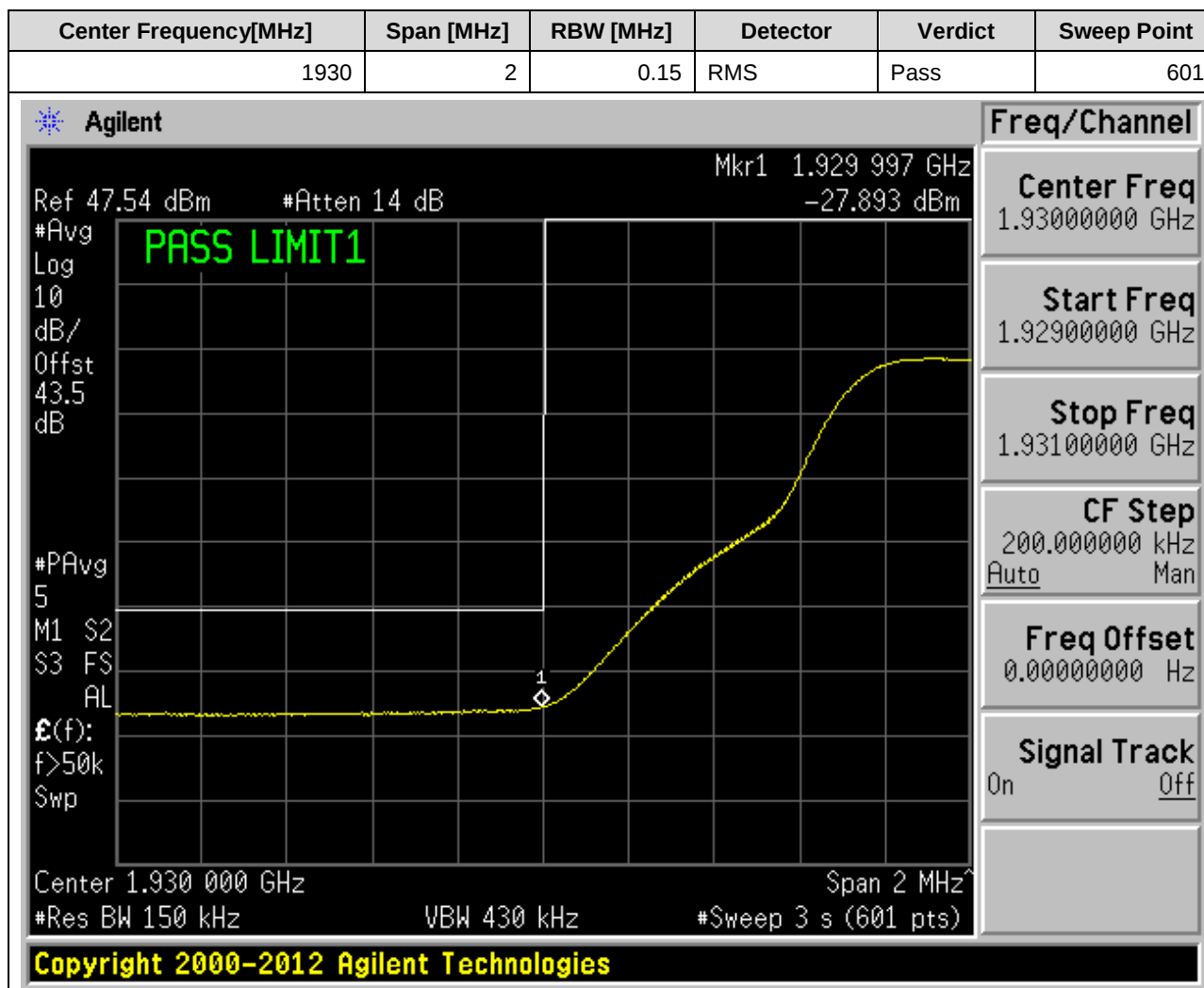


2.8 1L10M_TM1_T_Band2





2.9 1L15M_TM1_B_Band2





2.10 1L15M_TM1_T_Band2





2.11 1L20M_TM1_B_Band2



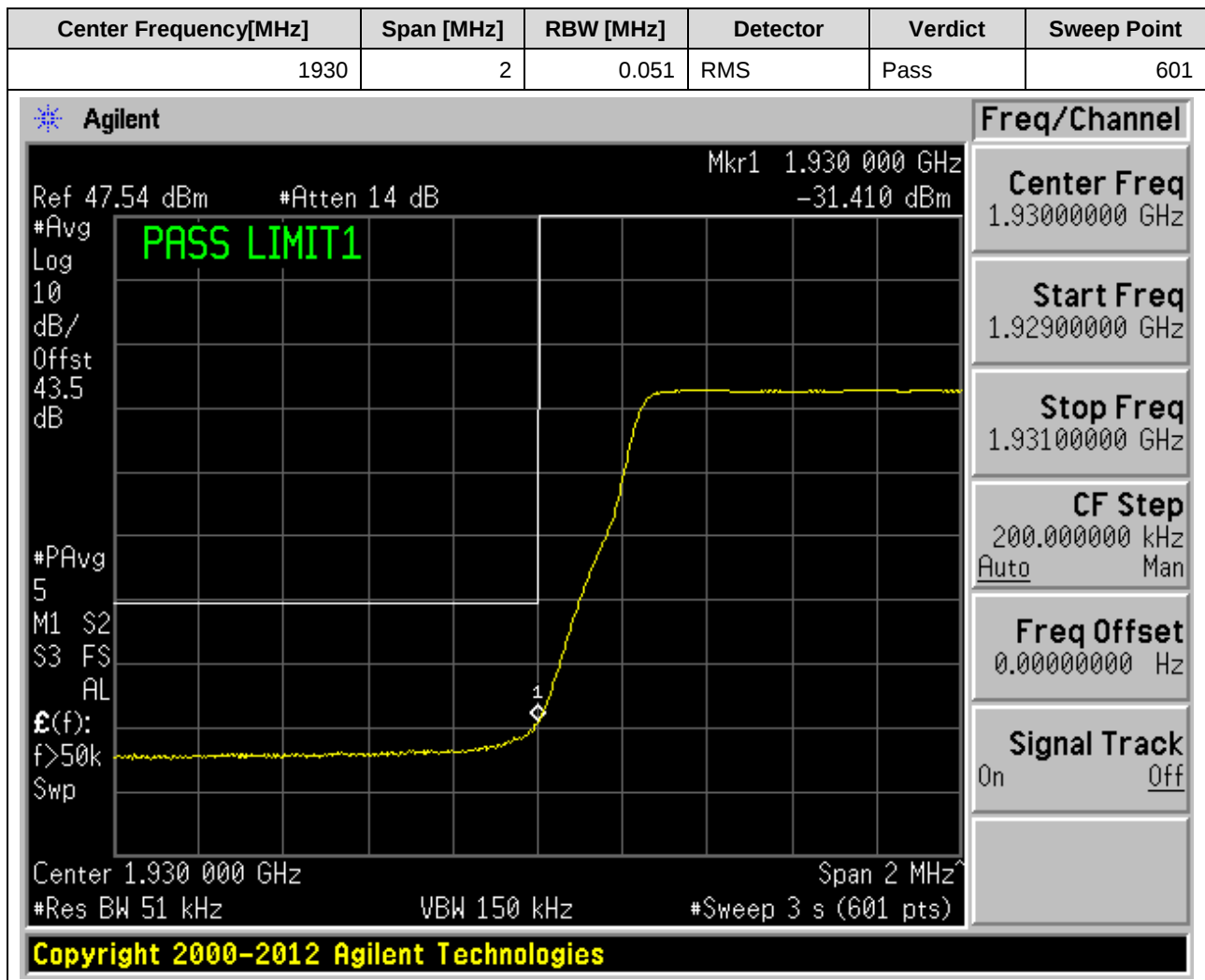


2.12 1L20M_TM1_T_Band2





2.13 NTC_4L_TM1_B_Band2



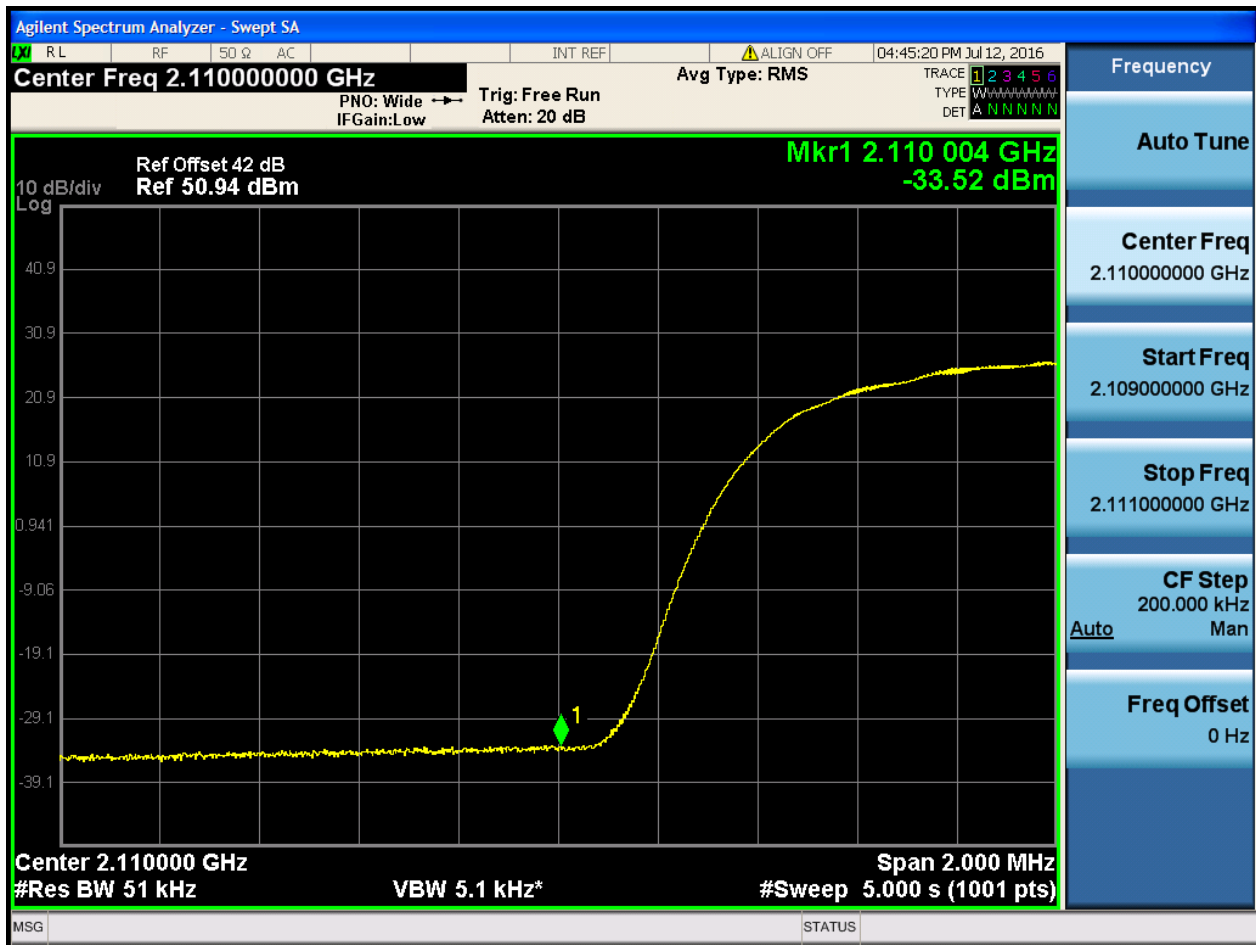


2.14 NTC_4L_TM1_T_Band2



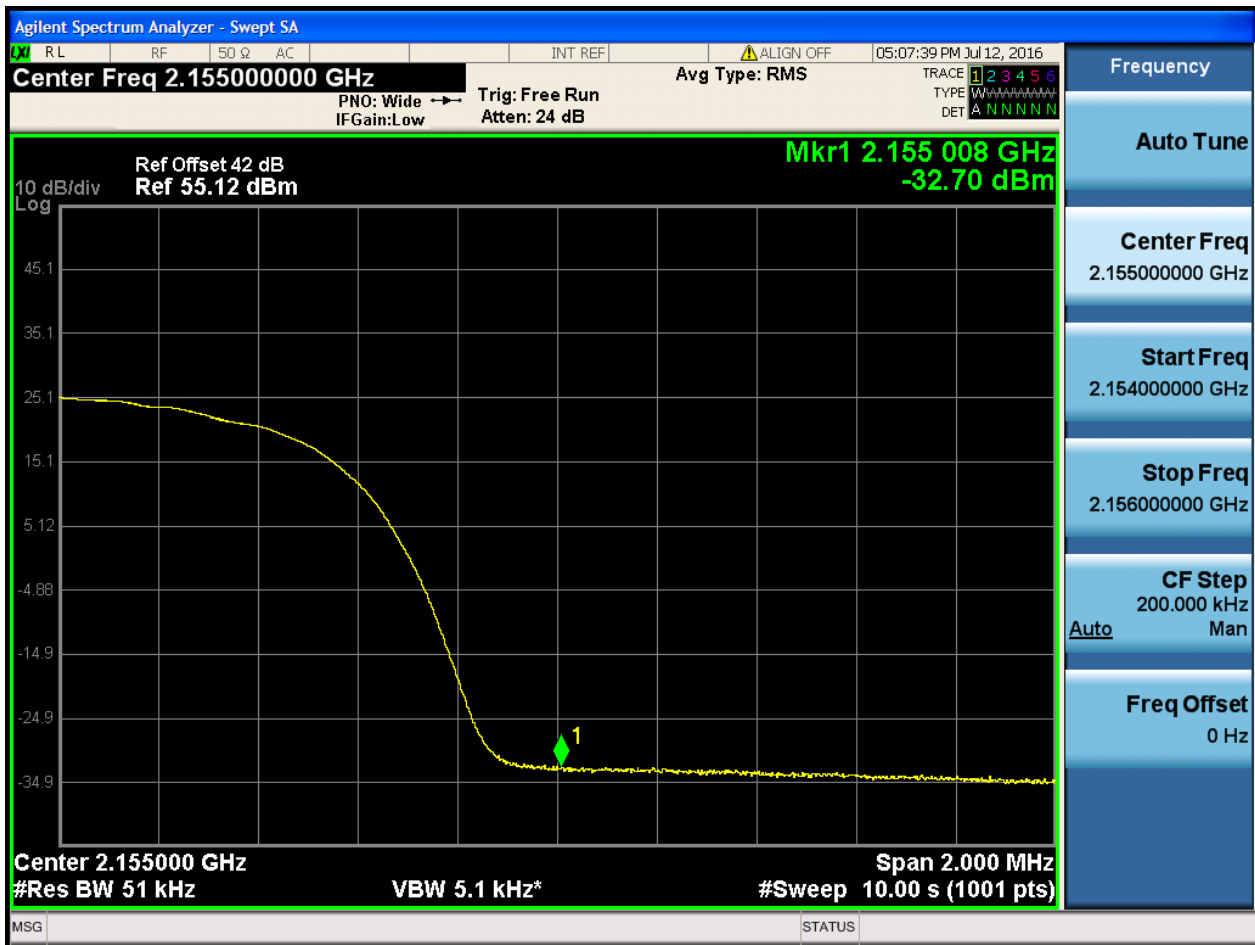


2.15 1U_TM1_B_Band4



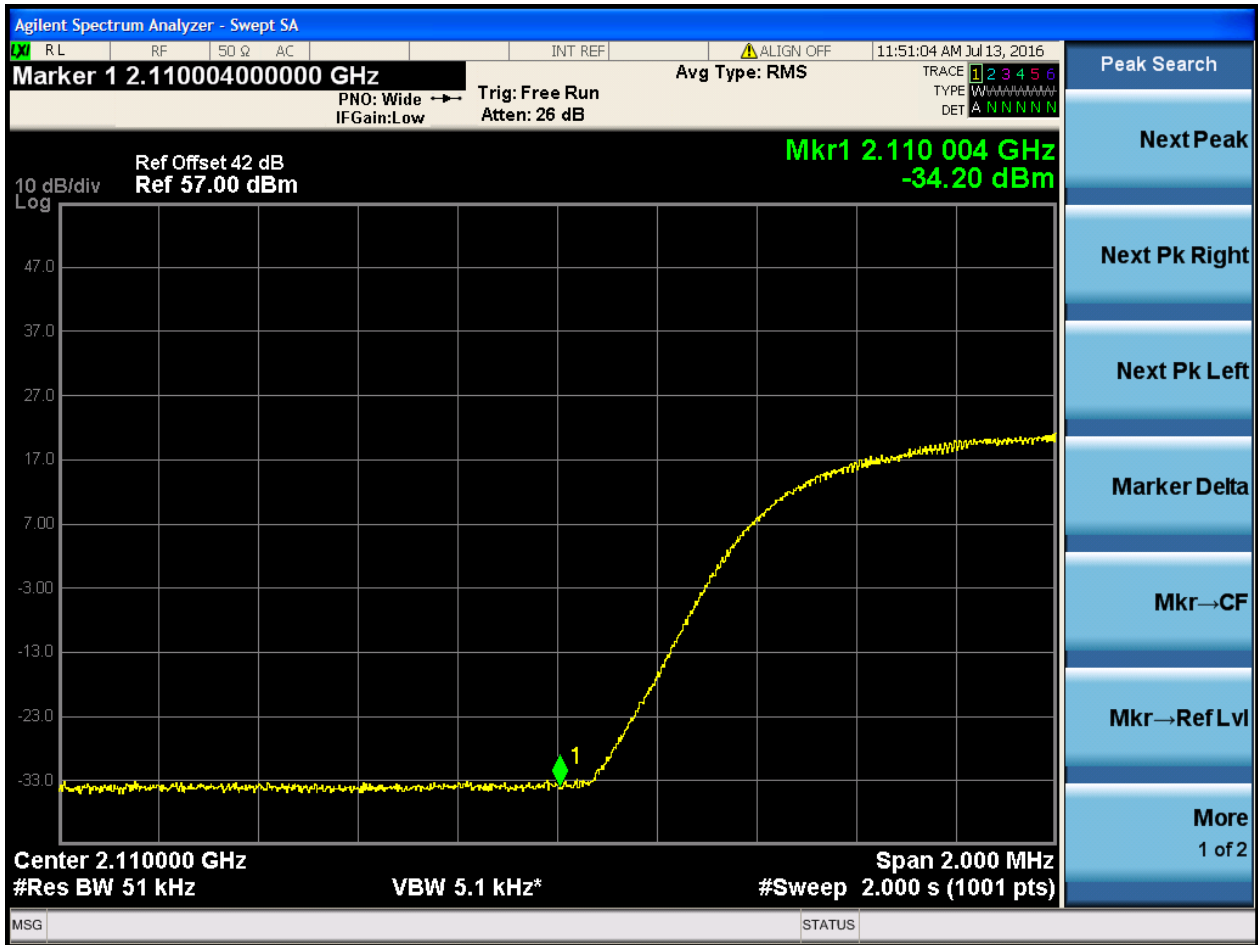


2.16 1U_TM1_T_Band4

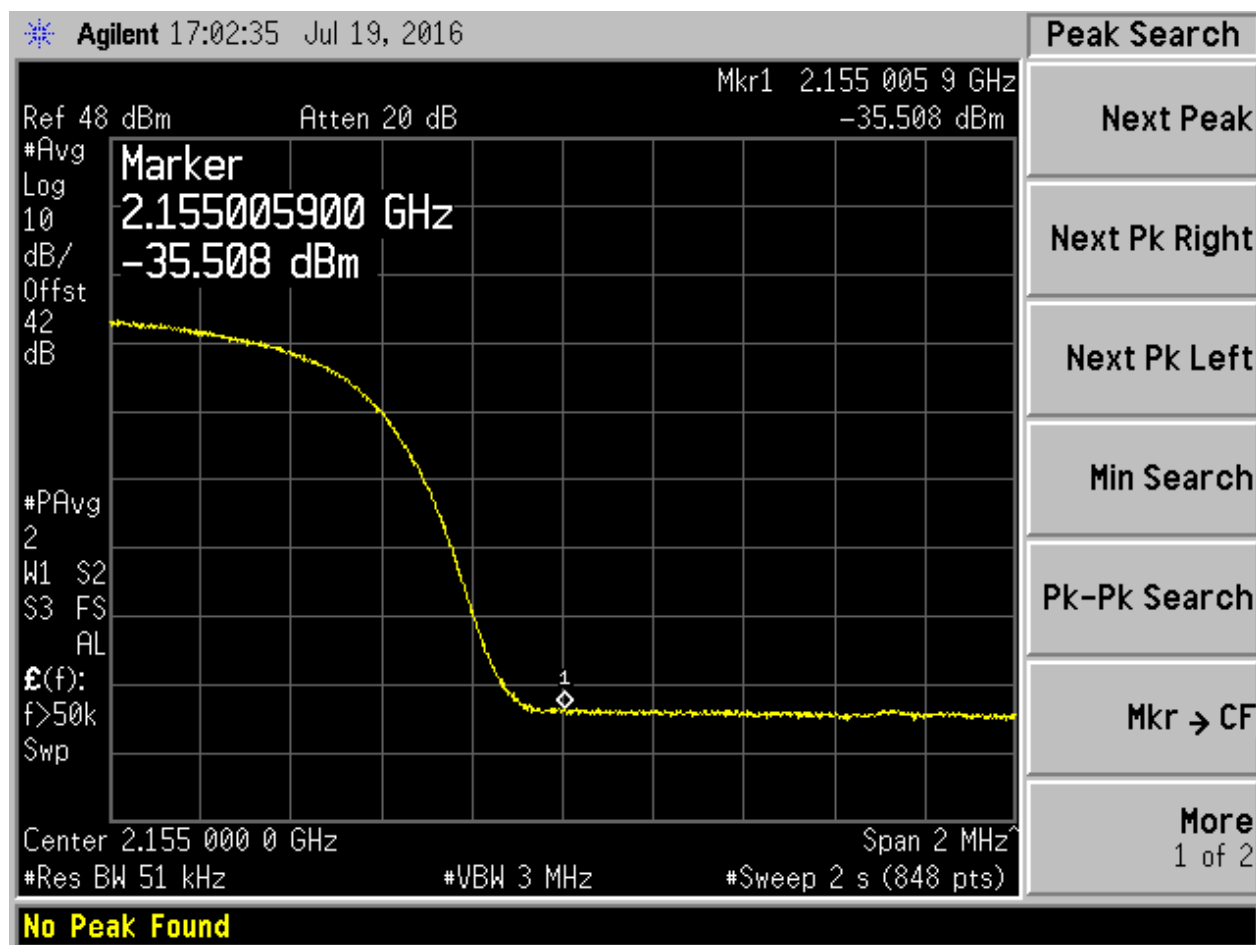




2.17 4U_TM1_B_Band4

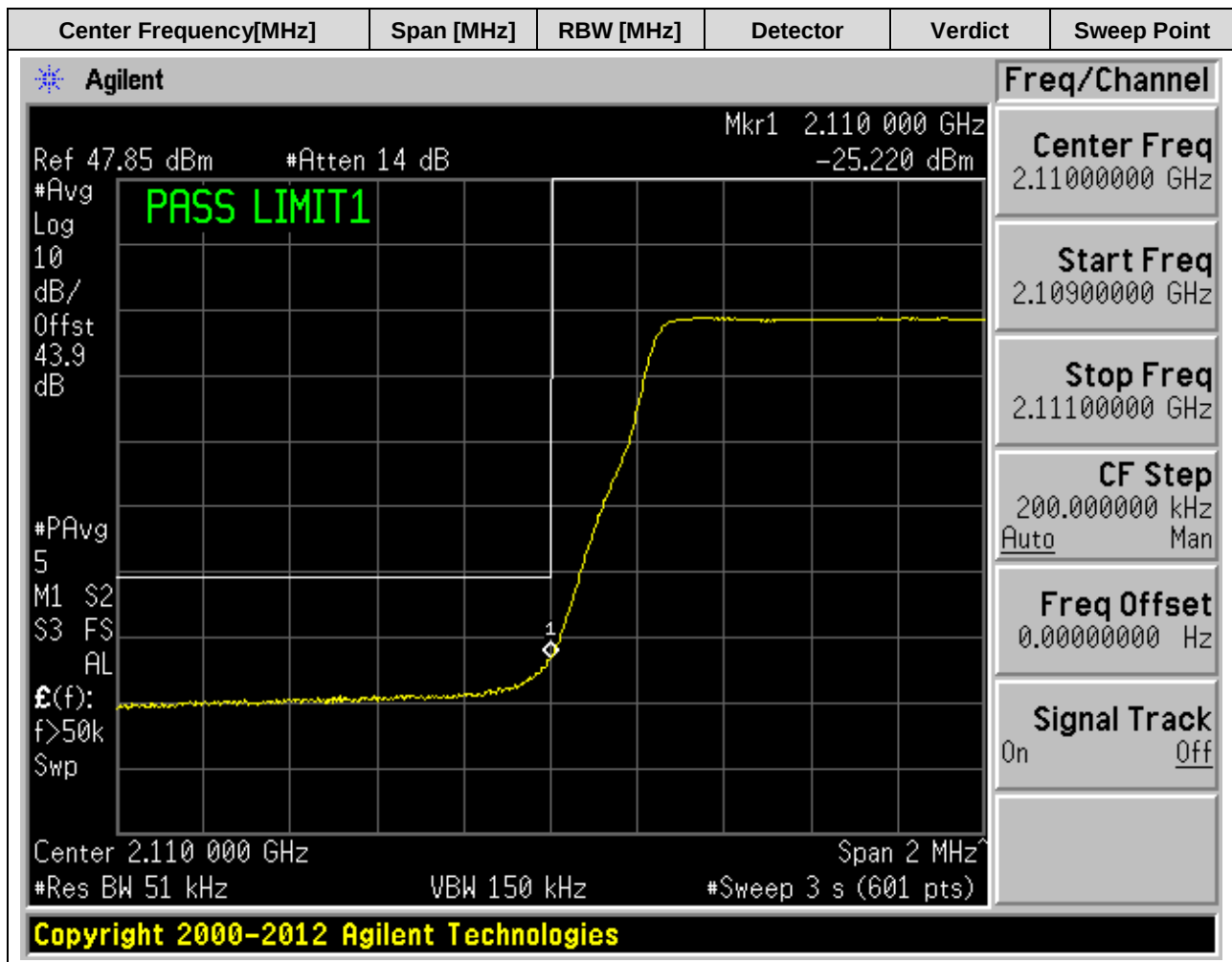


2.18 4U_TM1_T_Band4



2.19 1L5M_TM1_B_Band4

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2110	2	0.051	RMS	Pass	601



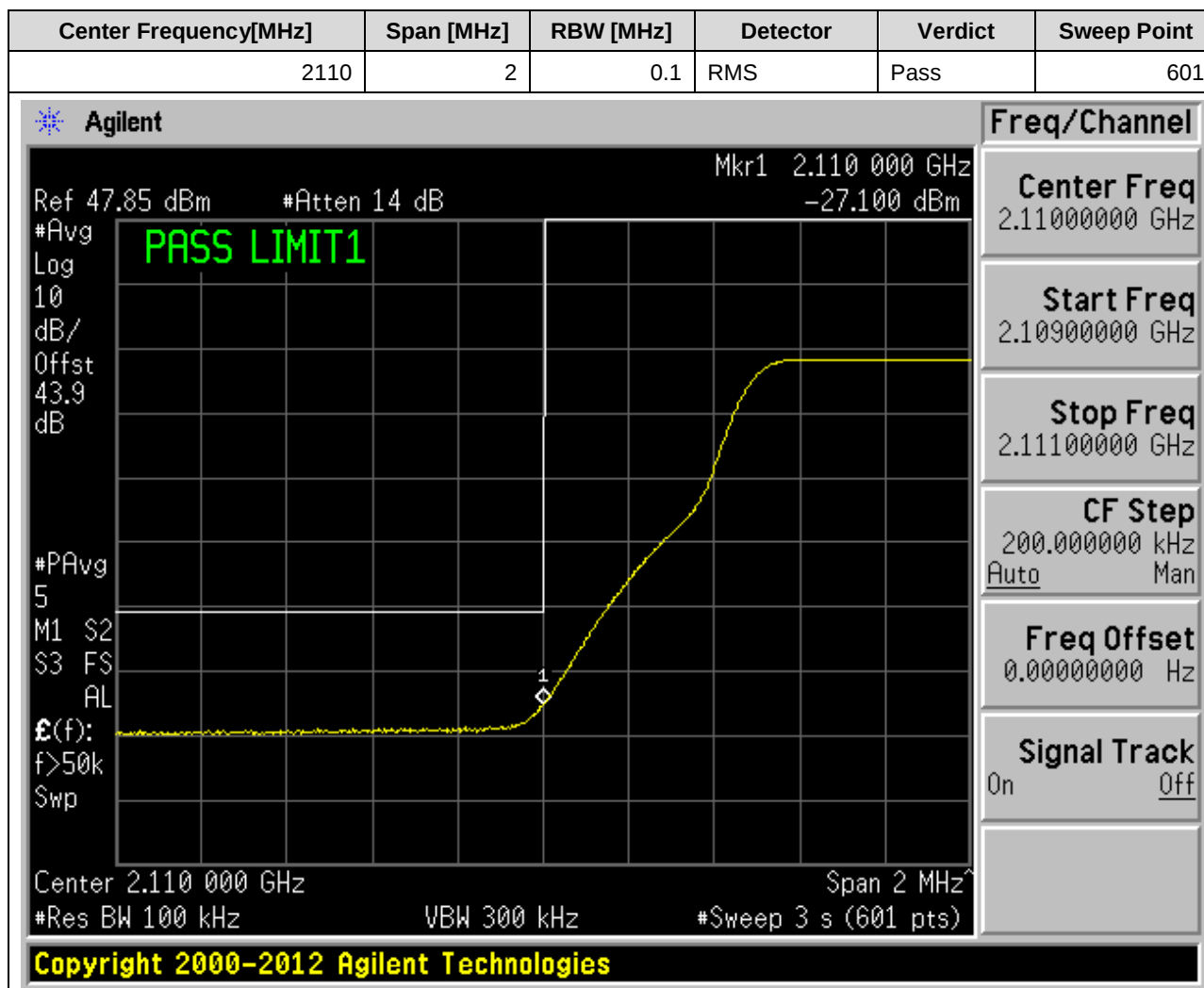


2.20 1L5M_TM1_T_Band4





2.21 1L10M_TM1_B_Band4



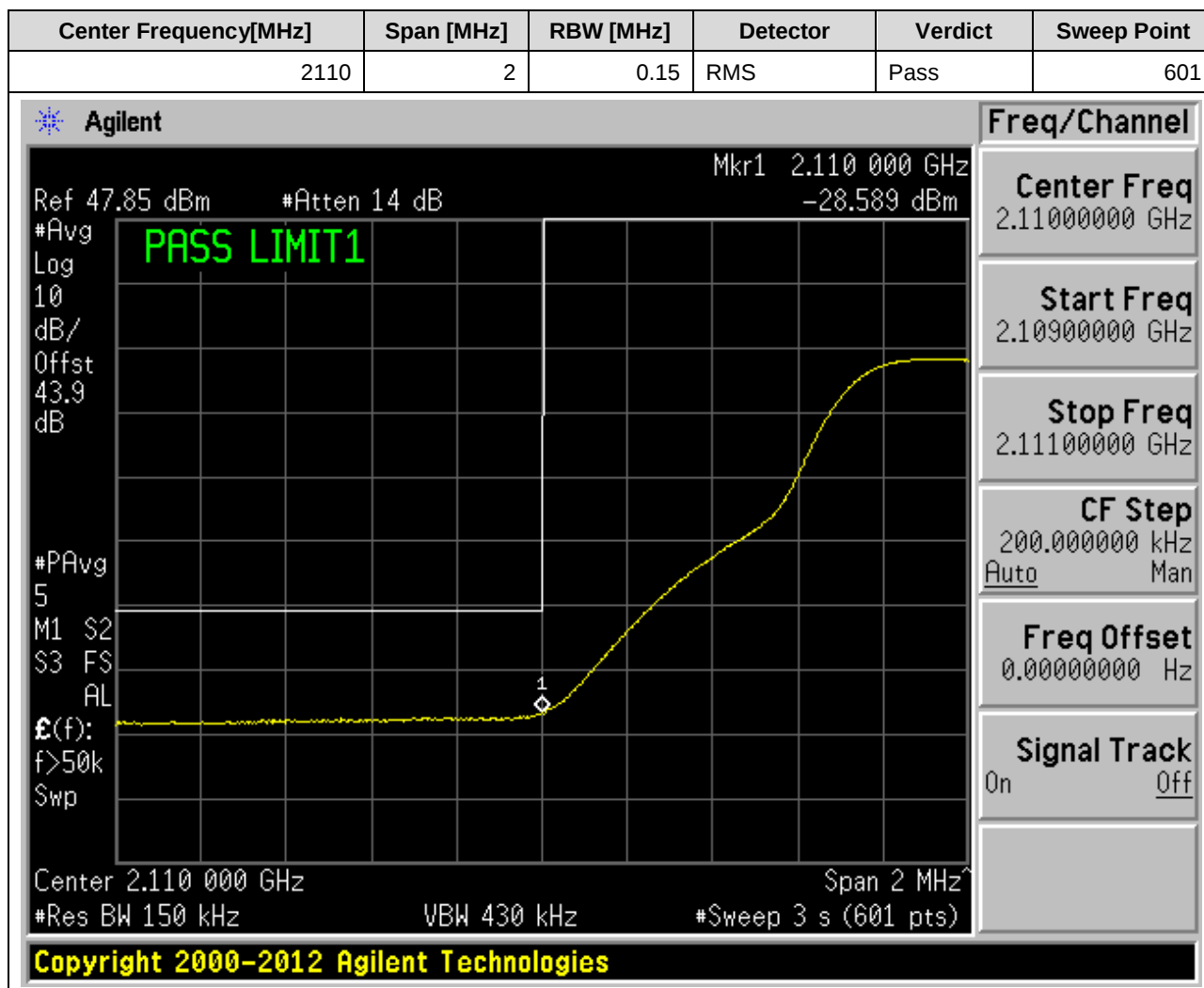


2.22 1L10M_TM1_T_Band4





2.23 1L15M_TM1_B_Band4



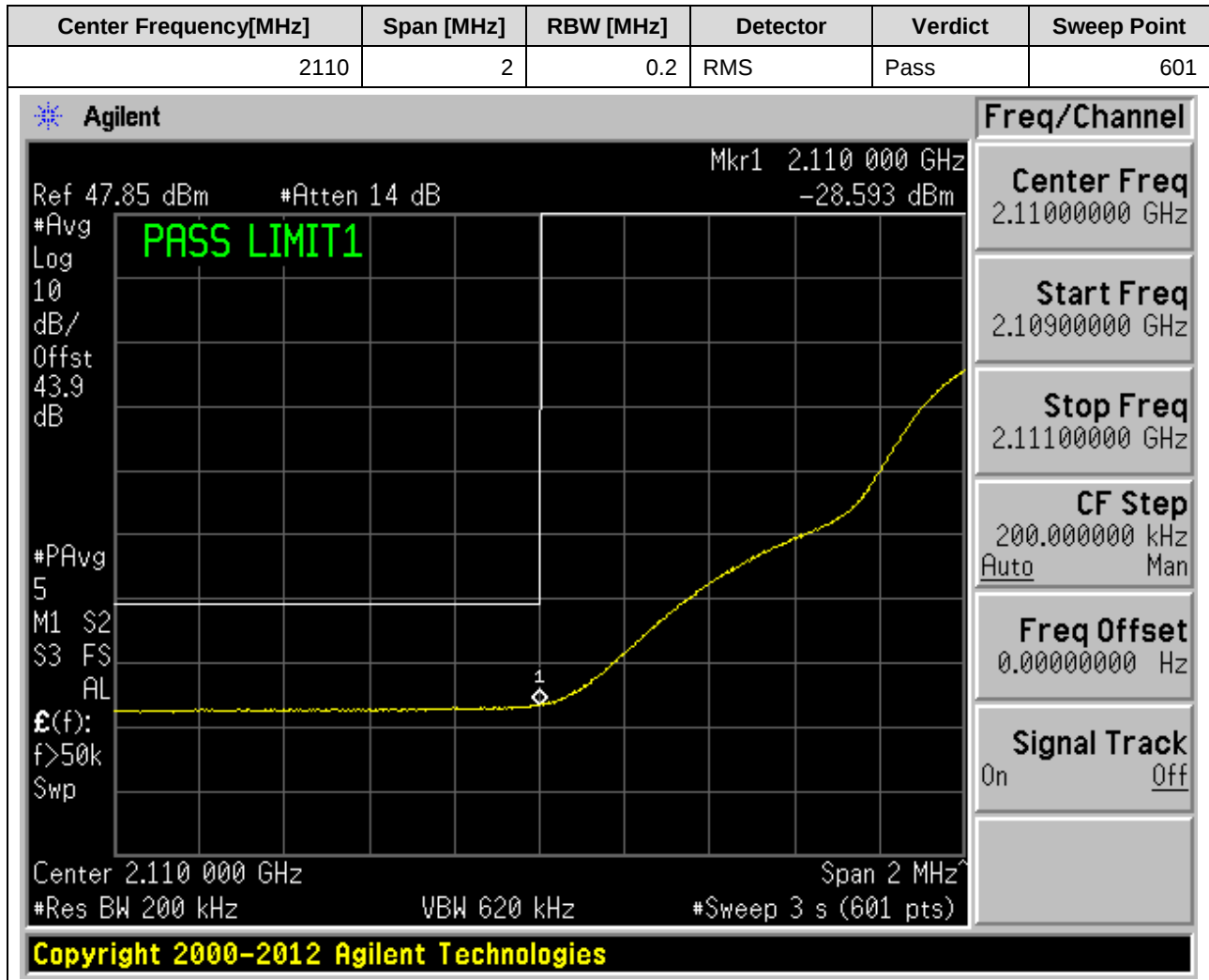


2.24 1L15M_TM1_T_Band4





2.25 1L20M_TM1_B_Band4



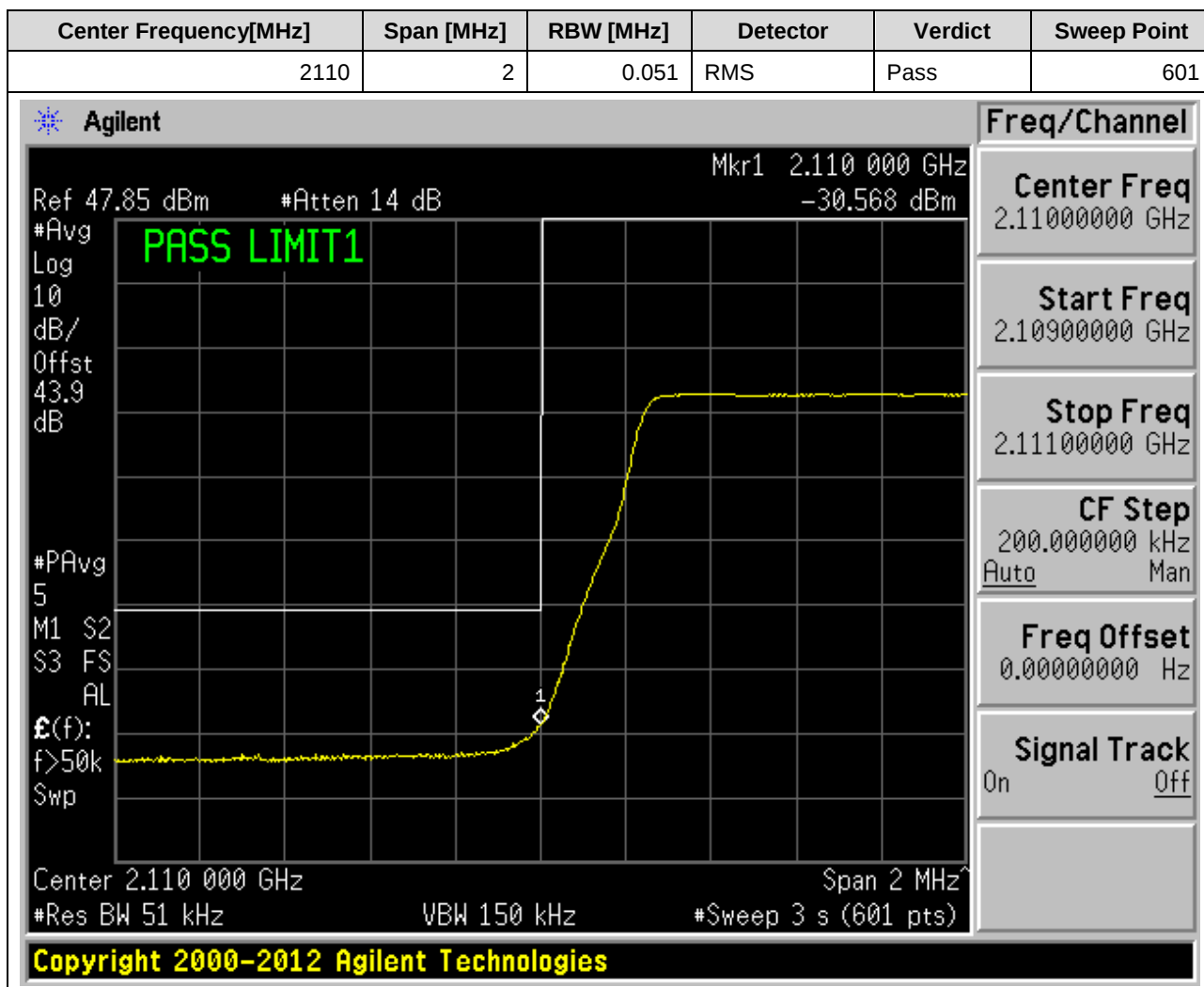


2.26 1L20M_TM1_T_Band4





2.27 NTC_4L_TM1_B_Band4



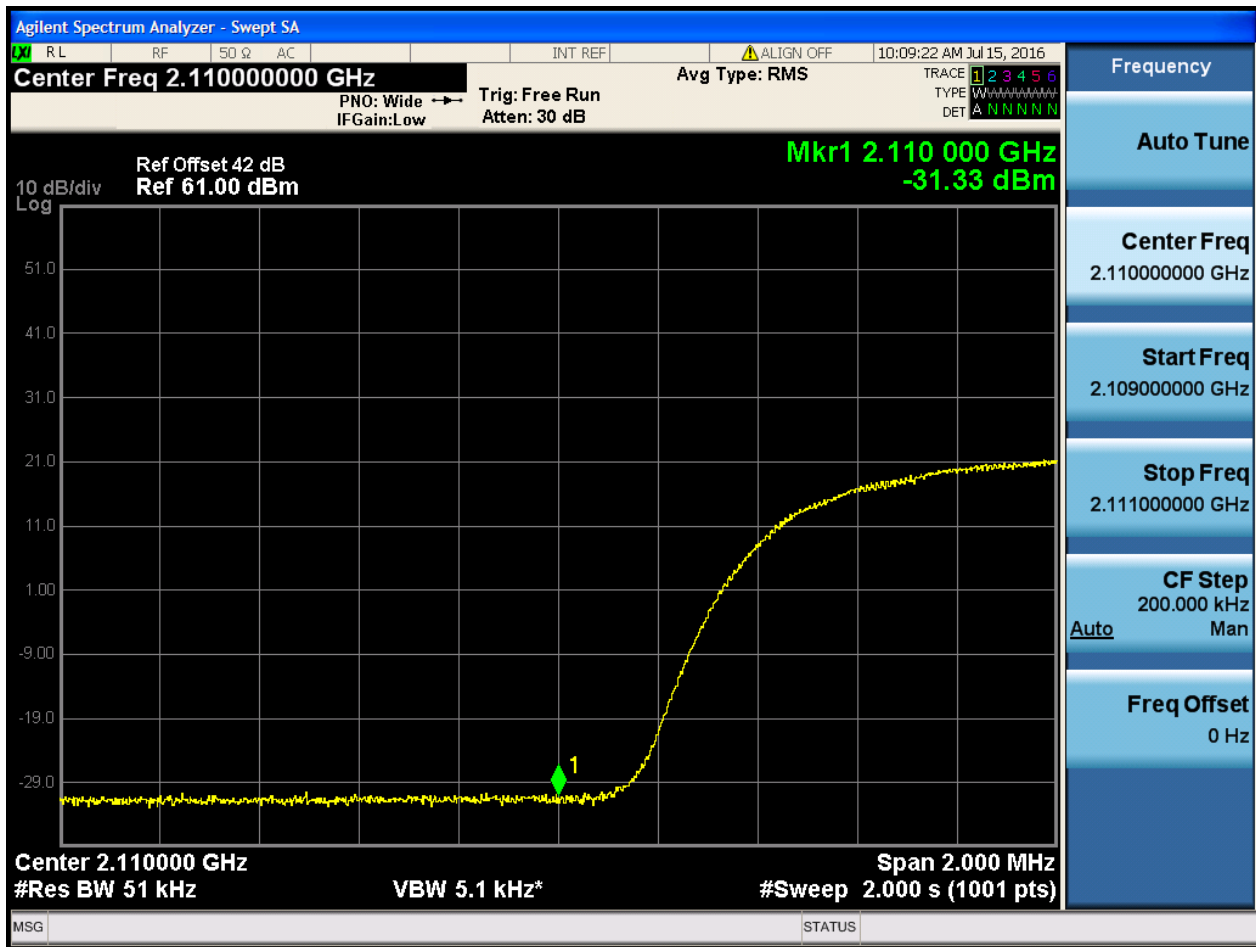


2.28 NTC_4L_TM1_T_Band4



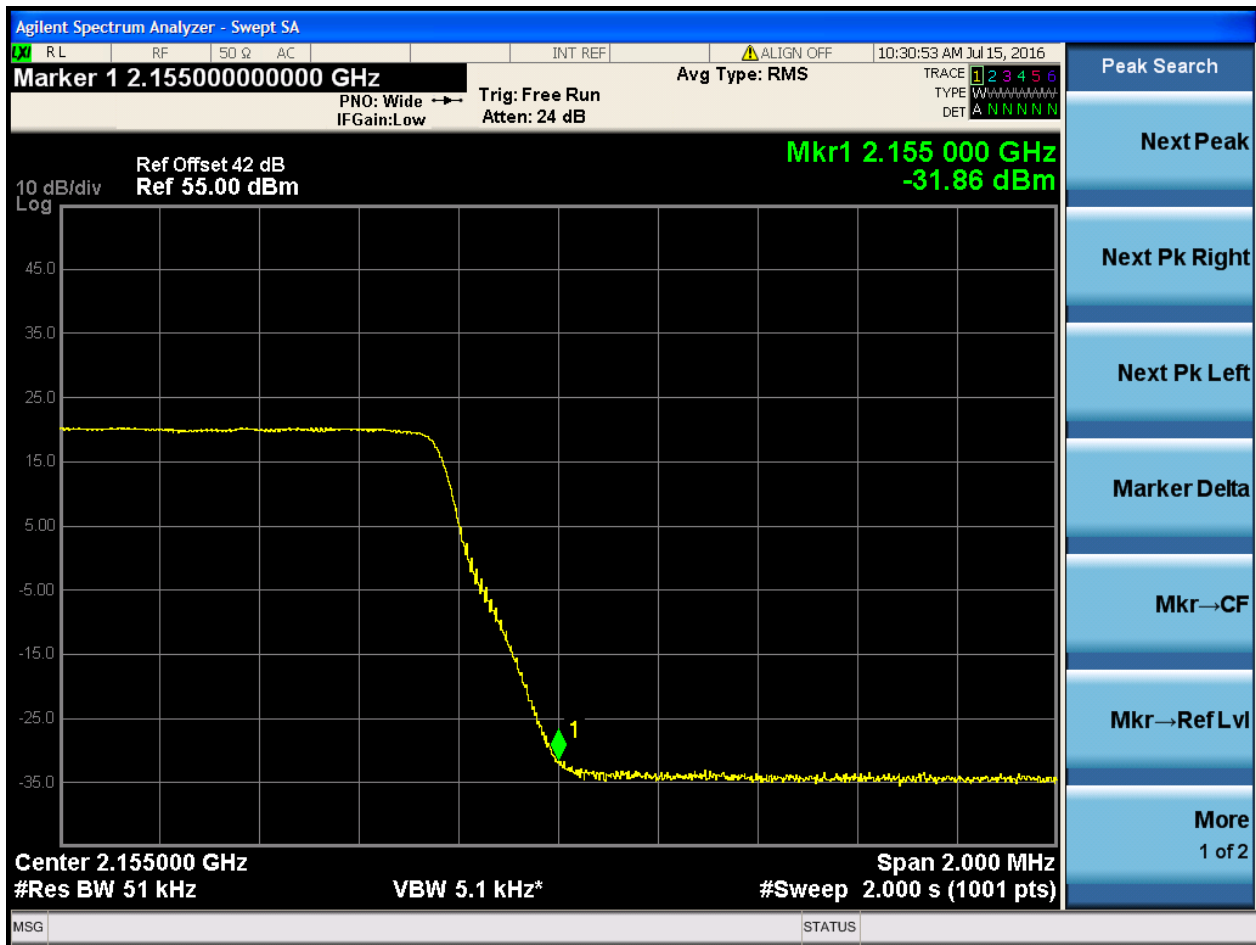


2.29 NTC_2U2L_TM1_B_Band4



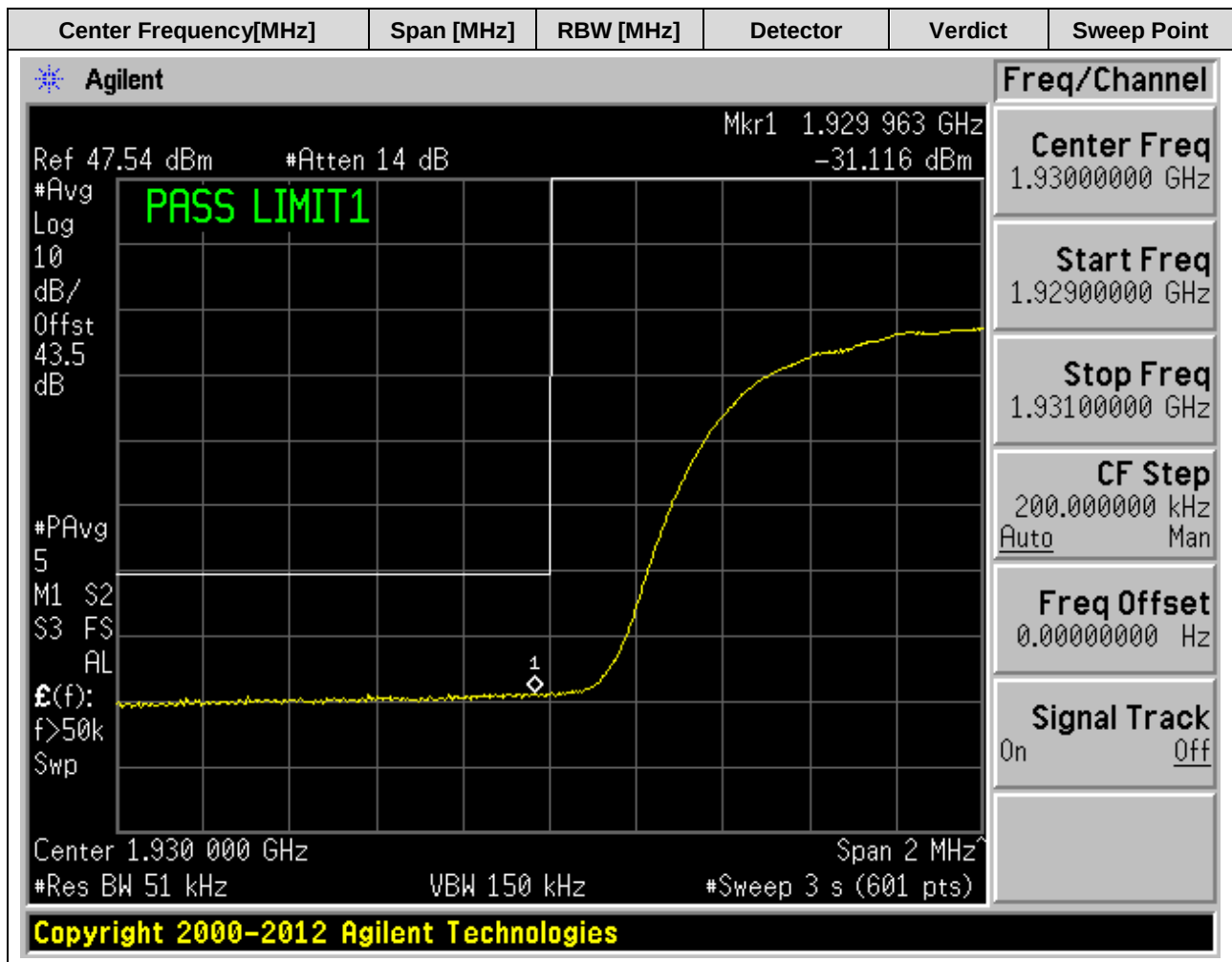


2.30 NTC_2U2L_TM1_T_Band4

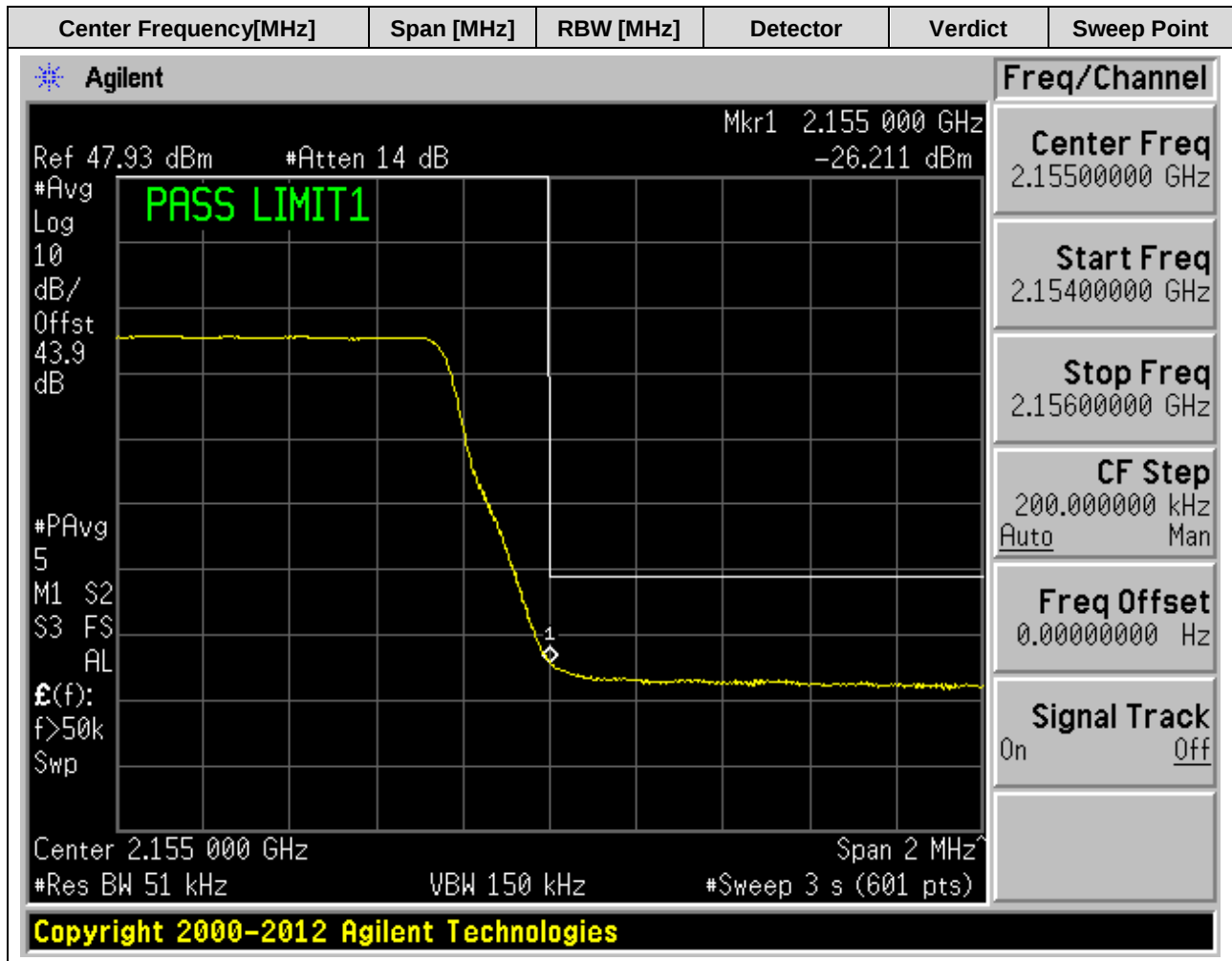


2.31 1U_B_band2+1L_T_band4

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.051	RMS	Pass	601

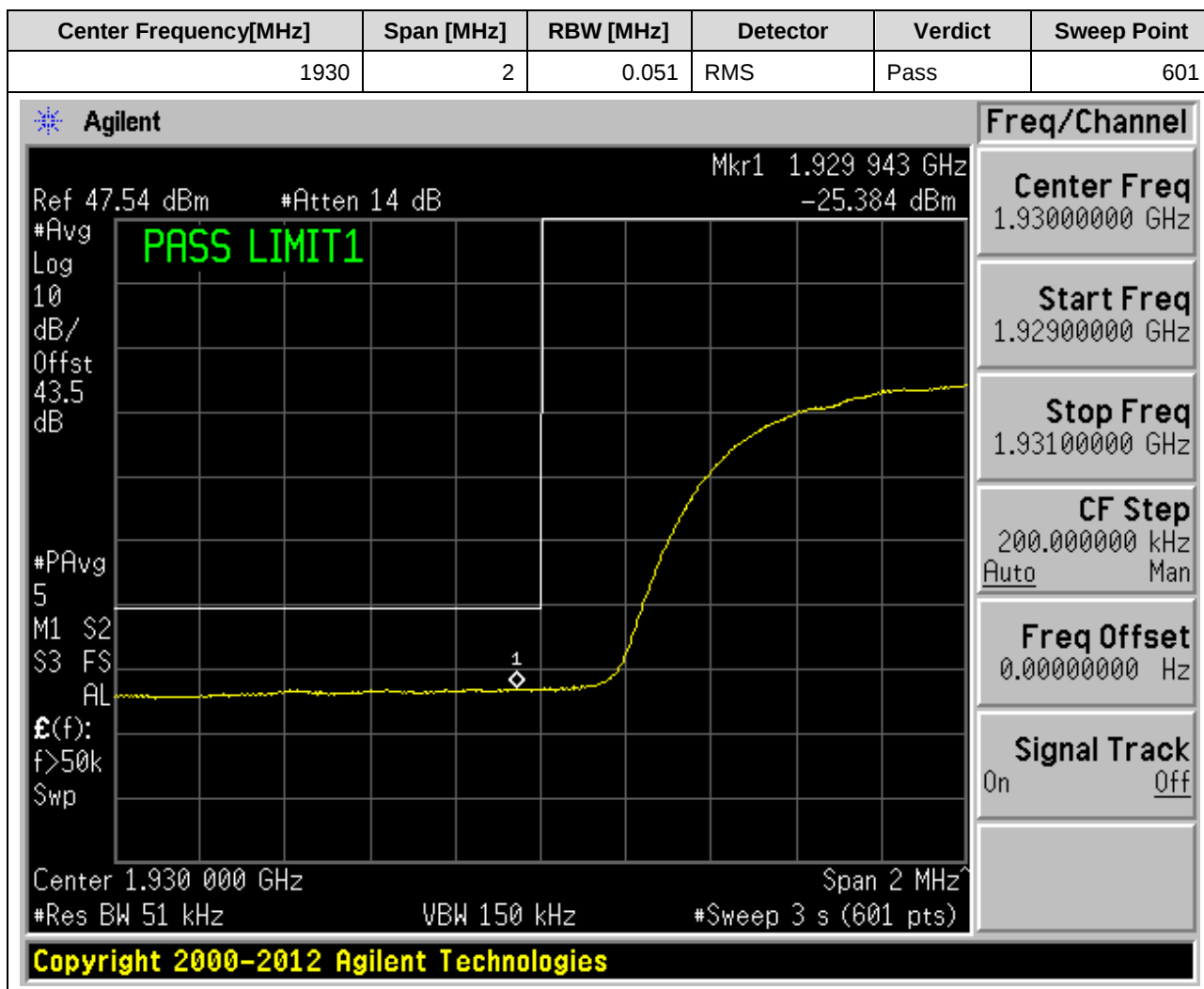


Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2155	2	0.051	RMS	Pass	601

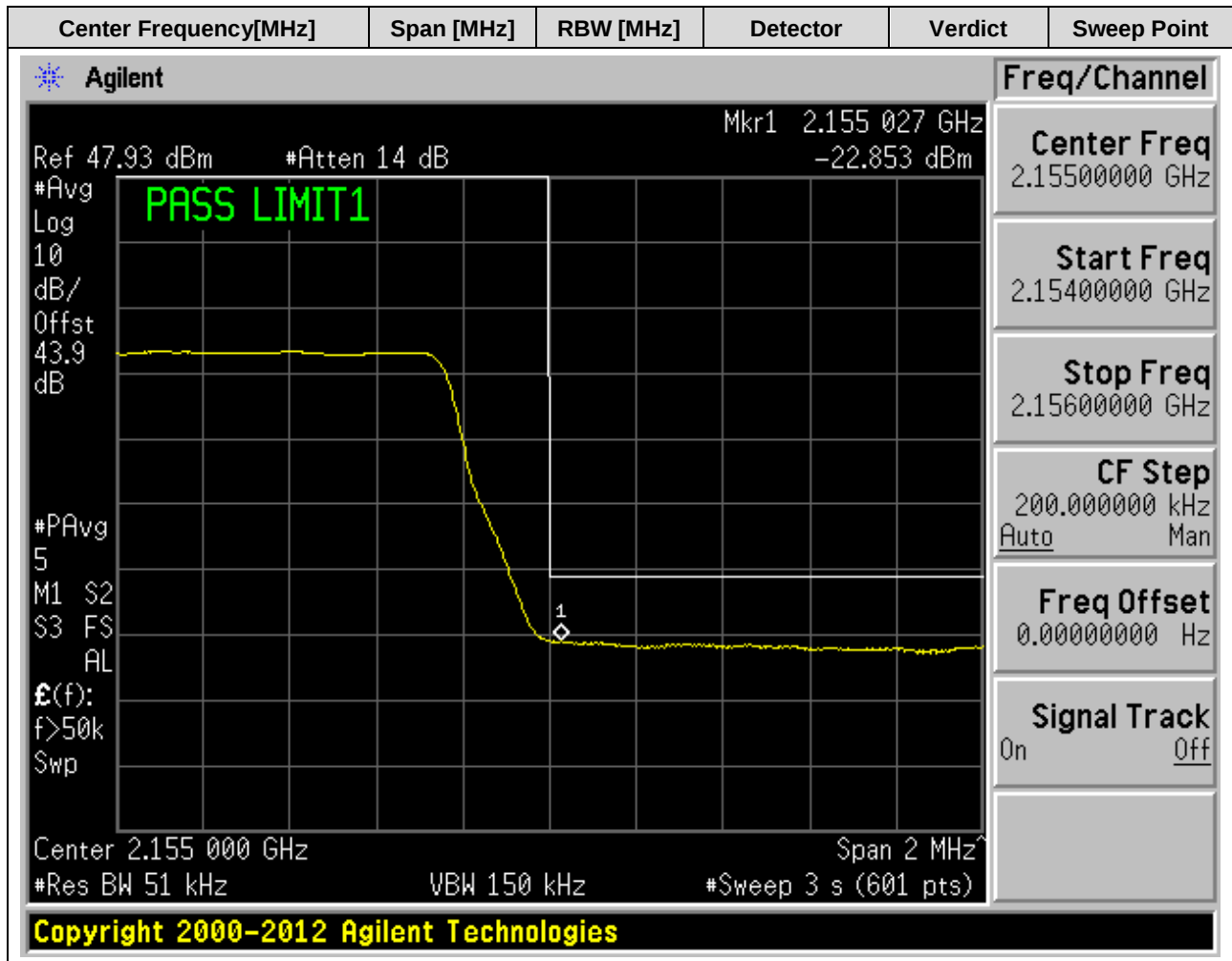




2.32 NTC_1U1L_B_band2+NTC_2L_T_band4

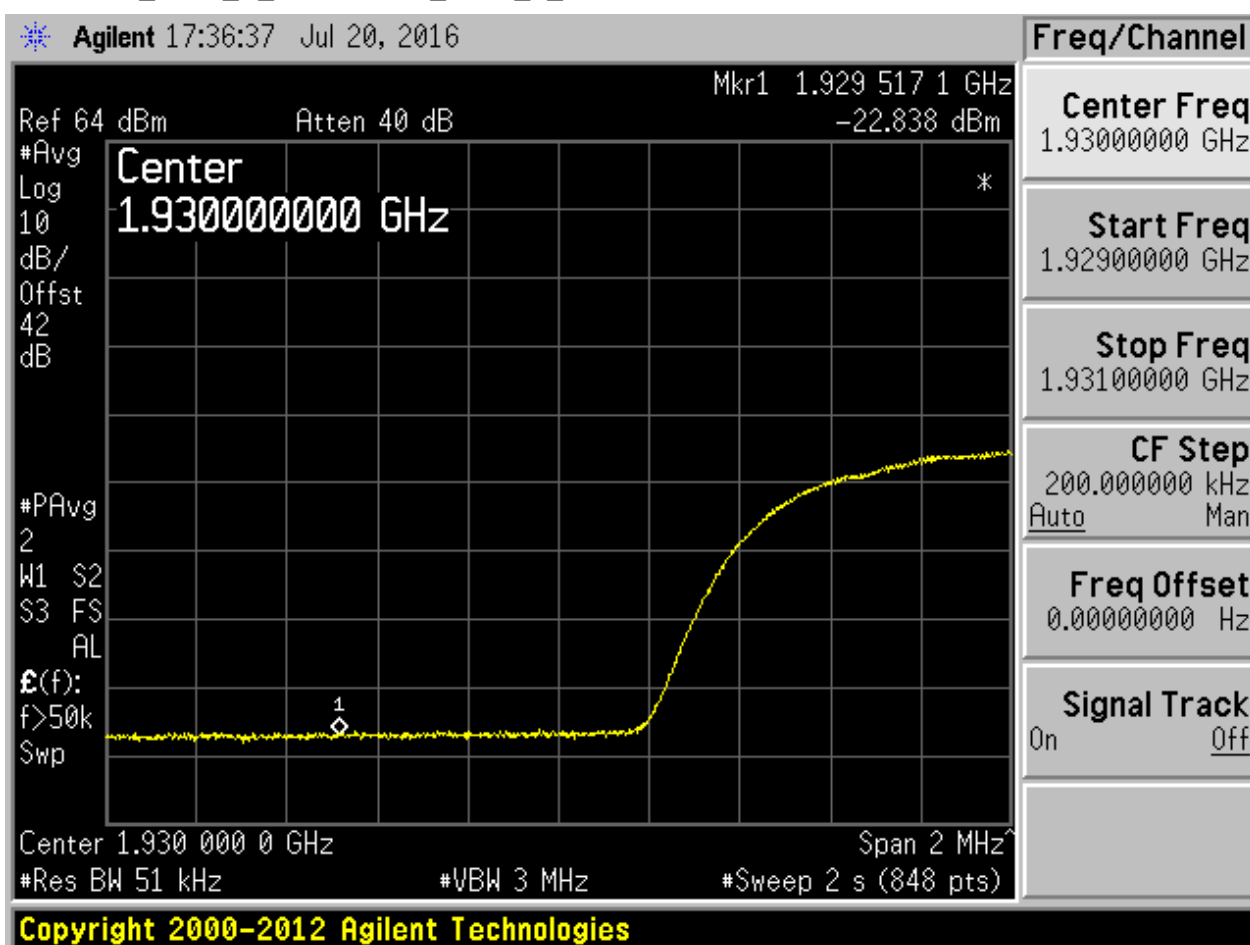


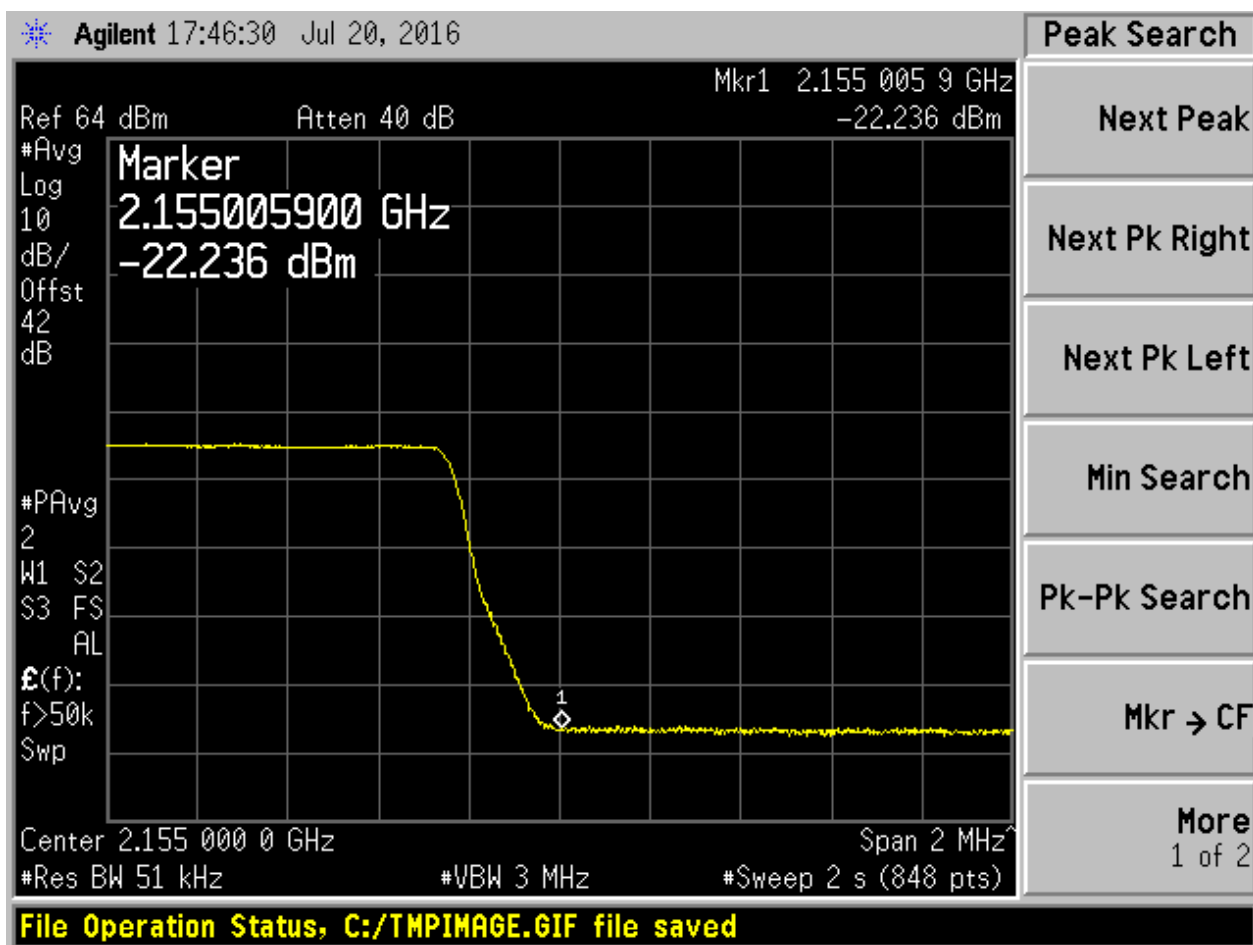
Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2155	2	0.051	RMS	Pass	601





2.33 NTC_1U1L_B_band2+NTC_1U1L_T_band4







Appendix D: Spurious Emission at Antenna Terminals



1 Result Table

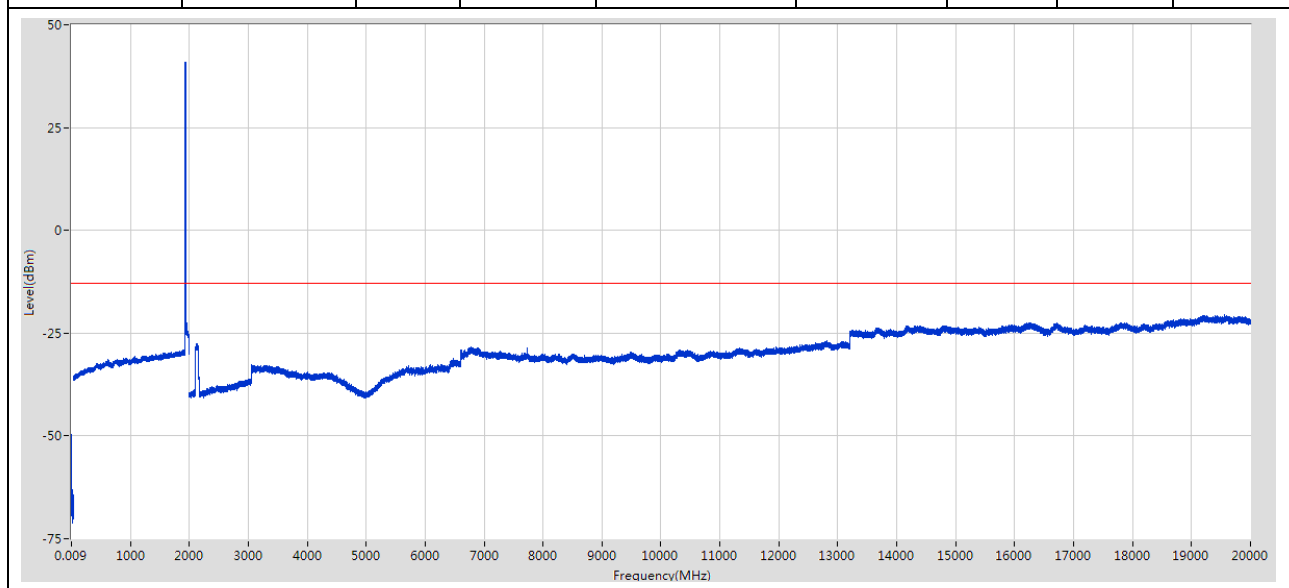
EUT Conf.	Verdict
1U_TM1_B_Band2	Pass
1U_TM1_M_Band2	Pass
1U_TM1_T_Band2	Pass
NTC_4U_TM1_B_Band2	Pass
NTC_4U_TM1_T_Band2	Pass
1L5M_TM1_B_Band2	Pass
1L5M_TM1_M_Band2	Pass
1L5M_TM1_T_Band2	Pass
1L20M_TM1_B_Band2	Pass
1L20M_TM1_M_Band2	Pass
1L20M_TM1_T_Band2	Pass
NTC_4L_TM1_B_Band2	Pass
NTC_4L_TM1_T_Band2	Pass
1U_TM1_B_Band4	Pass
1U_TM1_M_Band4	Pass
1U_TM1_T_Band4	Pass
4U_TM1_B_Band4	Pass
4U_TM1_T_Band4	Pass
1L5M_TM1_B_Band4	Pass
1L5M_TM1_M_Band4	Pass
1L5M_TM1_T_Band4	Pass
1L20M_TM1_B_Band4	Pass
1L20M_TM1_M_Band4	Pass
1L20M_TM1_T_Band4	Pass
NTC_4L_TM1_B_Band4	Pass
NTC_4L_TM1_T_Band4	Pass
NTC_2U2L_TM1_B_Band4	Pass
NTC_2U2L_TM1_T_Band4	Pass
1U_B_band2+1L_T_band4	Pass
NTC_1U1L_B_band2+NTC_2L_T_band4	Pass
NTC_1U1L_B_band2+NTC_1U1L_T_band4	Pass



2 Test Plot

2.1 1U_TM1_B_Band2

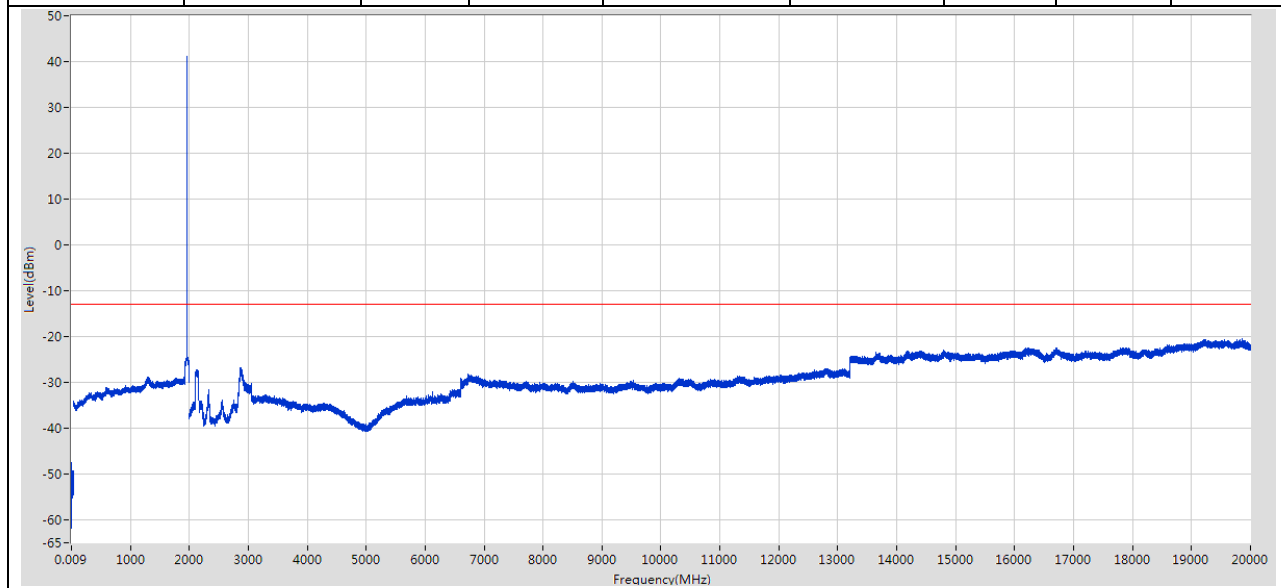
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.679 k	-49.66	-13	Pass	705
0.15	30	0.01	RMS	166.002 k	-52.7	-13	Pass	14925
30	2000	1	RMS	1933.159686 M	40.94	-13	---	9850
2000	20000	1	RMS	19563.946033 M	-20.58	-13	Pass	90000





2.2 1U_TM1_M_Band2

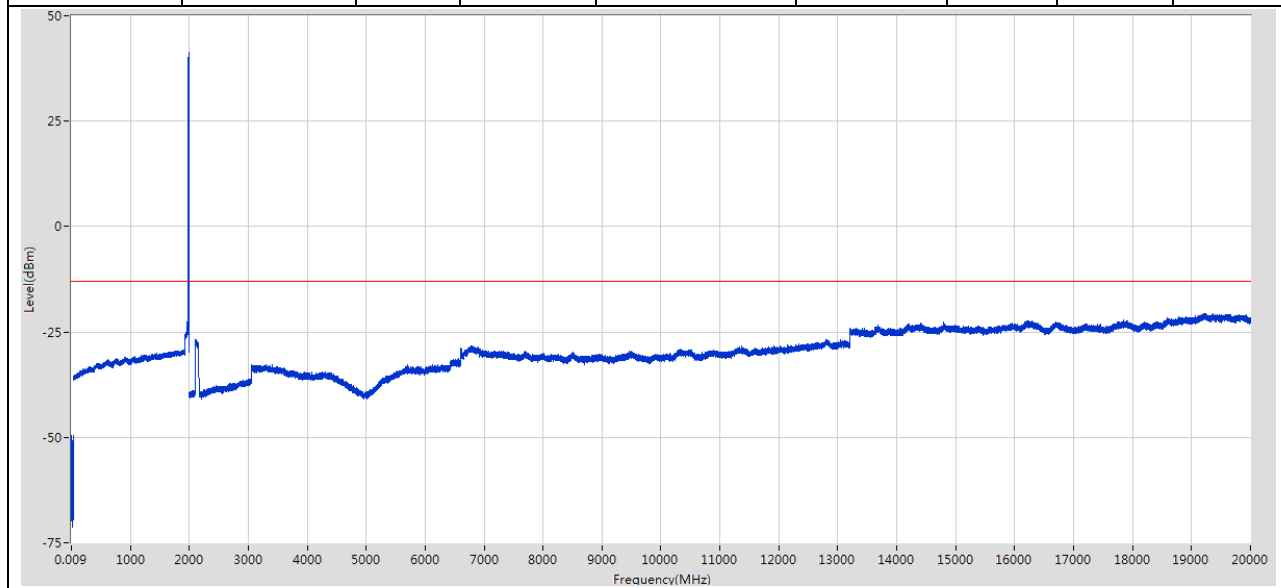
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-49.25	-13	Pass	705
0.15	30	0.01	RMS	162.001 k	-47.44	-13	Pass	14925
30	2000	1	RMS	1960.776343 M	41.11	-13	---	9850
2000	20000	1	RMS	19856.9823 M	-20.47	-13	Pass	90000





2.3 1U_TM1_T_Band2

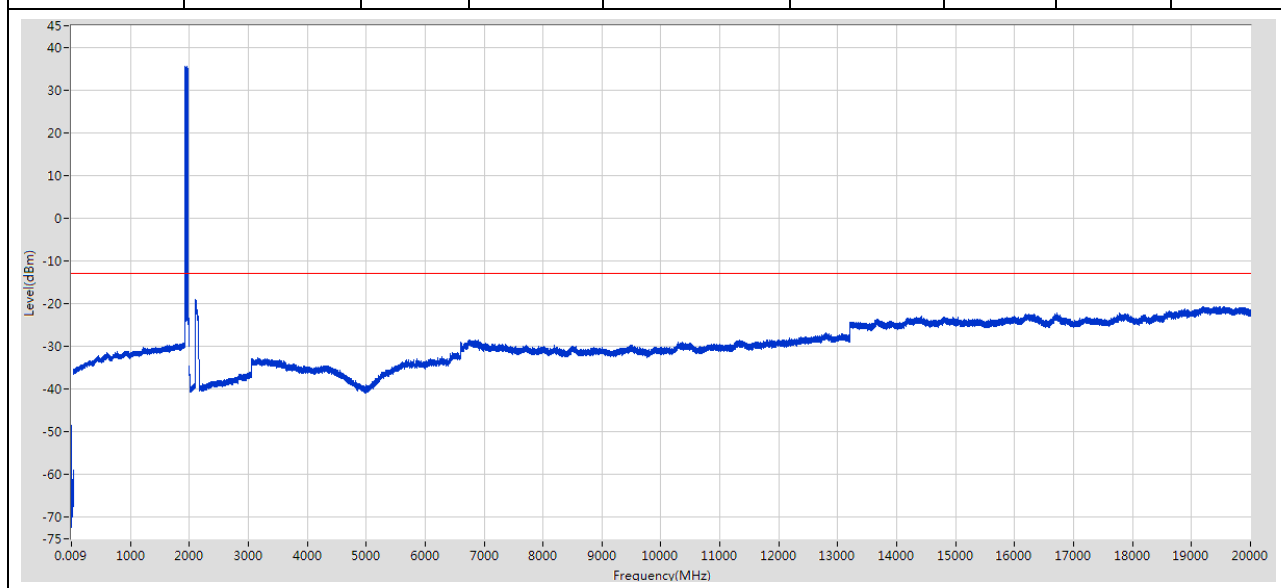
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-49.61	-13	Pass	705
0.15	30	0.01	RMS	26.921543 M	-49.63	-13	Pass	14925
30	2000	1	RMS	1986.792034 M	41.3	-13	---	9850
2000	20000	1	RMS	19207.501919 M	-20.67	-13	Pass	90000





2.4 NTC_4U_TM1_B_Band2

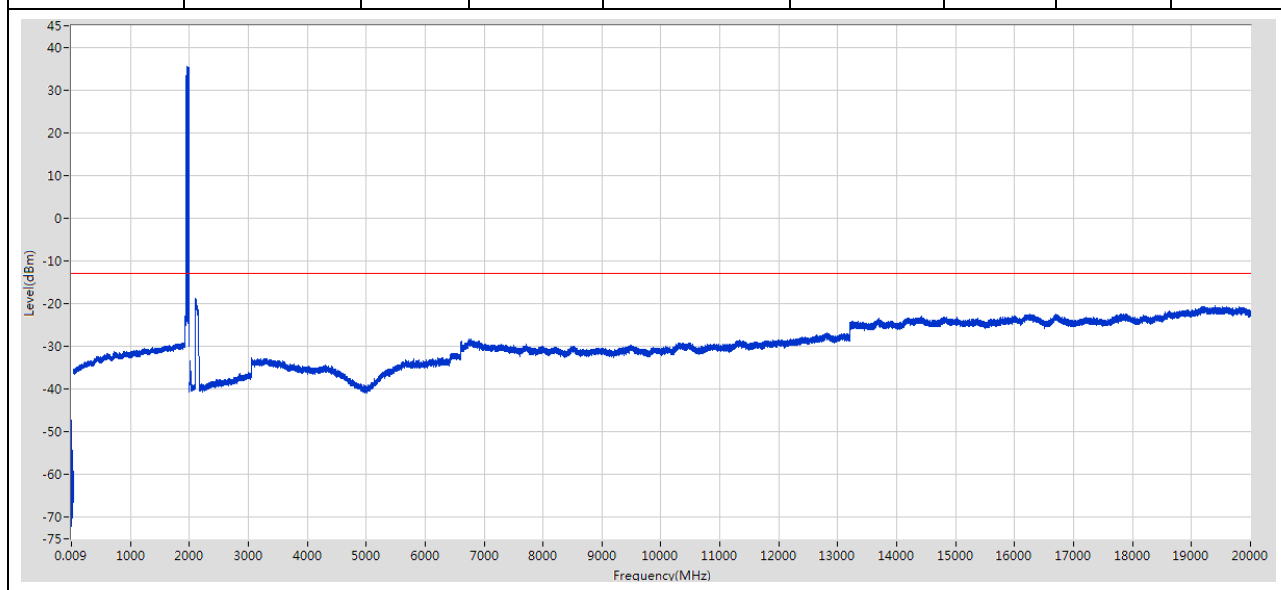
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-48.58	-13	Pass	705
0.15	30	0.01	RMS	3.842451 M	-52.18	-13	Pass	14925
30	2000	1	RMS	1967.580447 M	35.57	-13	---	9850
2000	20000	1	RMS	2105.612892 M	-19.02	-13	Pass	90000





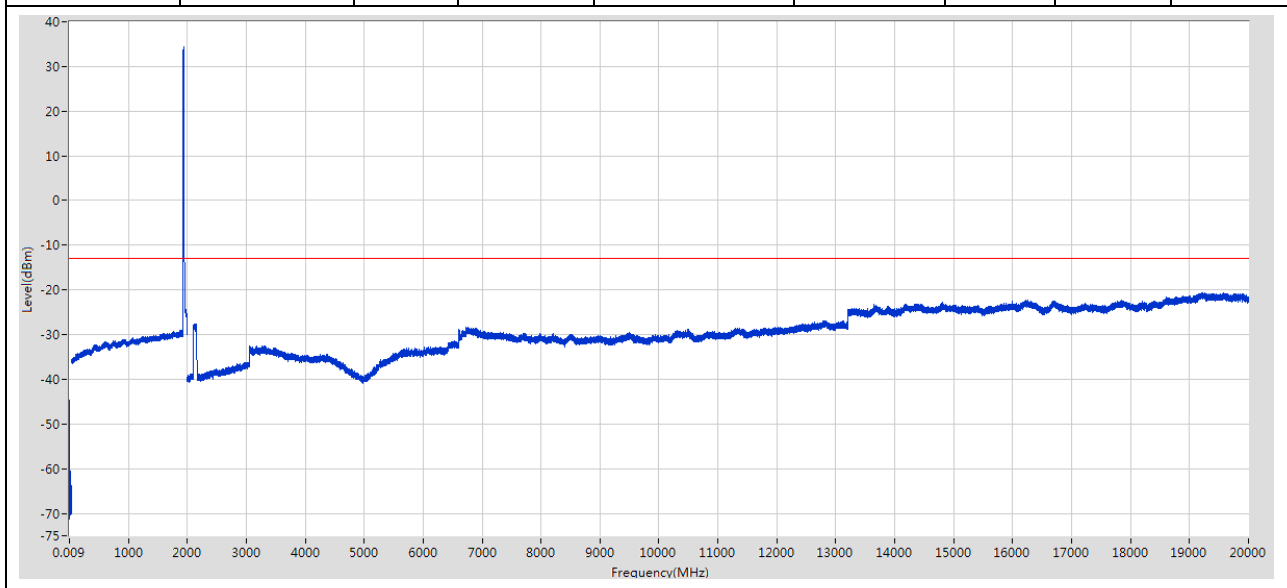
2.5 NTC_4U_TM1_T_Band2

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-47.35	-13	Pass	705
0.15	30	0.01	RMS	240.011 k	-53.8	-13	Pass	14925
30	2000	1	RMS	1957.574412 M	35.39	-13	---	9850
2000	20000	1	RMS	2106.813039 M	-18.86	-13	Pass	90000



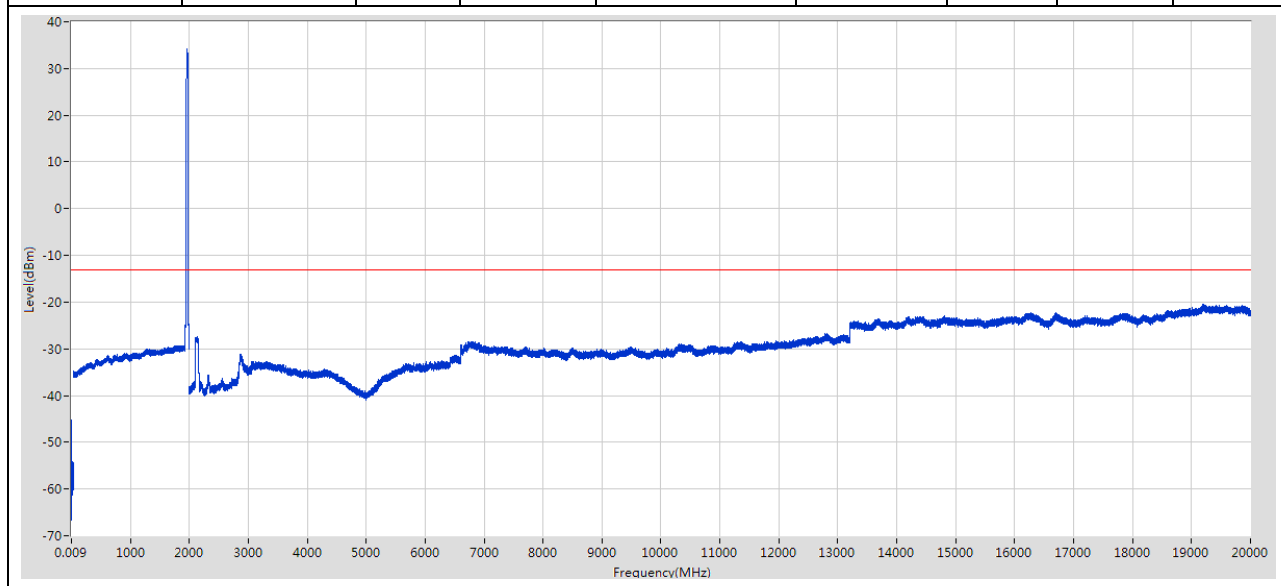
2.6 1L20M_TM1_B_Band2

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-44.64	-13	Pass	705
0.15	30	0.01	RMS	182.004 k	-58	-13	Pass	14925
30	2000	1	RMS	1941.764876 M	34.46	-13	---	9850
2000	20000	1	RMS	19249.907167 M	-20.61	-13	Pass	90000



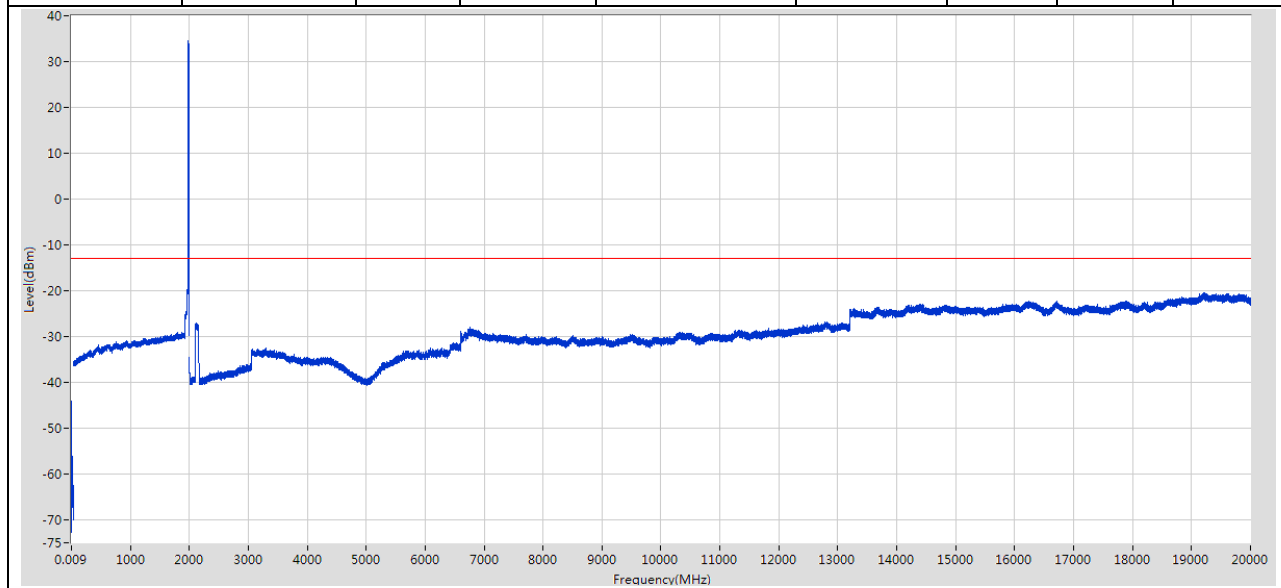
2.7 1L20M_TM1_M_Band2

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-45.15	-13	Pass	705
0.15	30	0.01	RMS	574.052 k	-52.09	-13	Pass	14925
30	2000	1	RMS	1957.574412 M	34.3	-13	---	9850
2000	20000	1	RMS	19190.699839 M	-20.43	-13	Pass	90000



2.8 1L20M_TM1_T_Band2

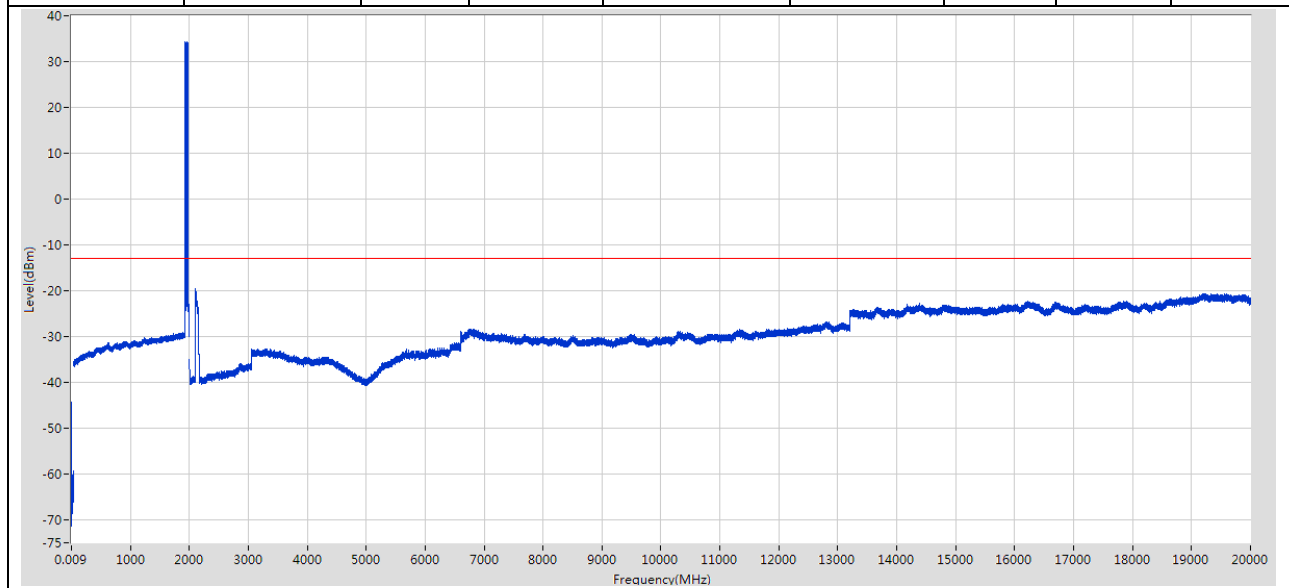
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-44	-13	Pass	705
0.15	30	0.01	RMS	19.892499 M	-56.07	-13	Pass	14925
30	2000	1	RMS	1973.584068 M	34.5	-13	---	9850
2000	20000	1	RMS	19204.701572 M	-20.51	-13	Pass	90000





2.9 NTC_4L_TM1_B_Band2

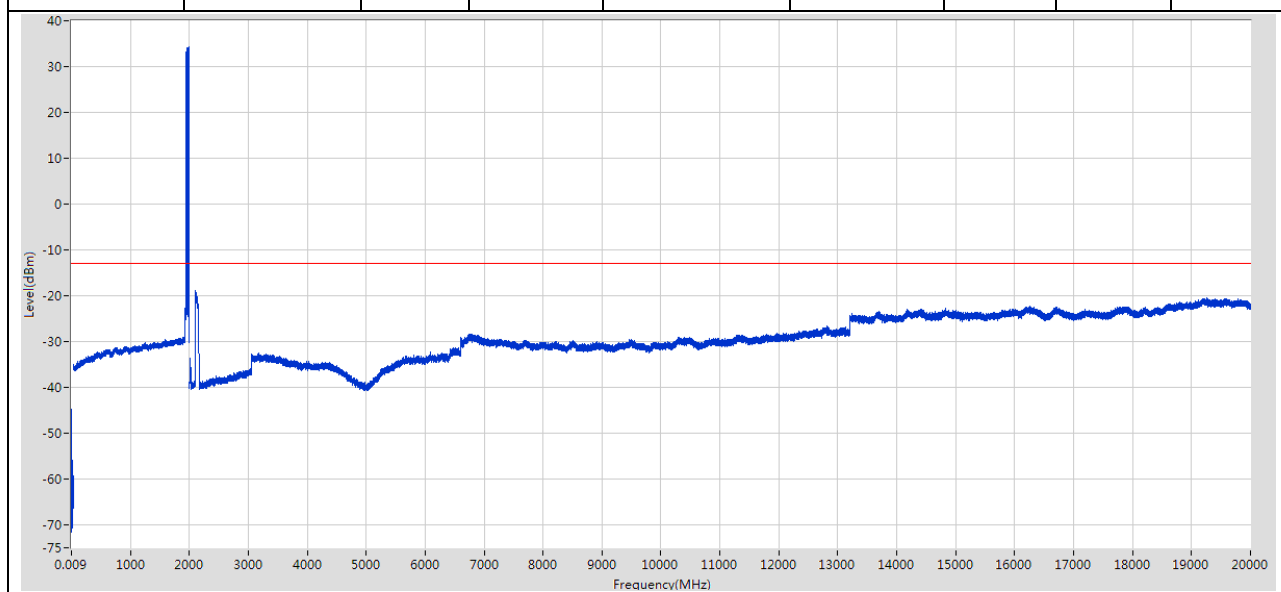
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-44.31	-13	Pass	705
0.15	30	0.01	RMS	152 k	-56.09	-13	Pass	14925
30	2000	1	RMS	1963.377912 M	34.28	-13	---	9850
2000	20000	1	RMS	2106.41299 M	-19.48	-13	Pass	90000





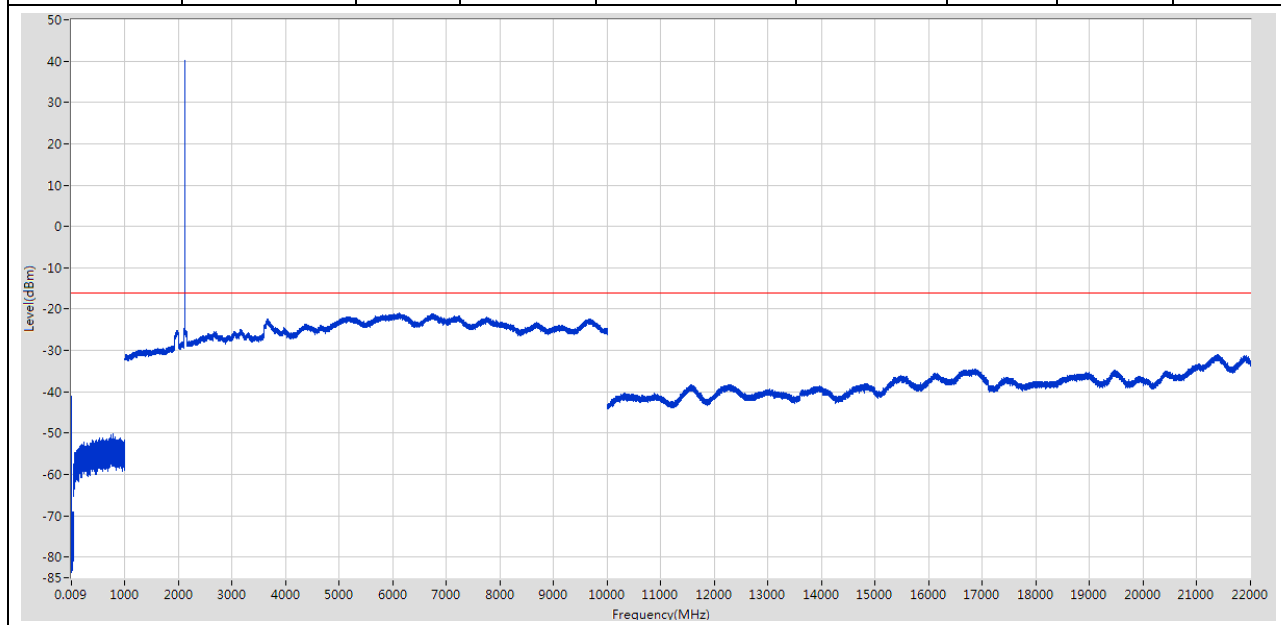
2.10 NTC_4L_TM1_T_Band2

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-44.73	-13	Pass	705
0.15	30	0.01	RMS	8.50502 M	-55.69	-13	Pass	14925
30	2000	1	RMS	1986.591913 M	34.28	-13	---	9850
2000	20000	1	RMS	2109.413356 M	-18.93	-13	Pass	90000



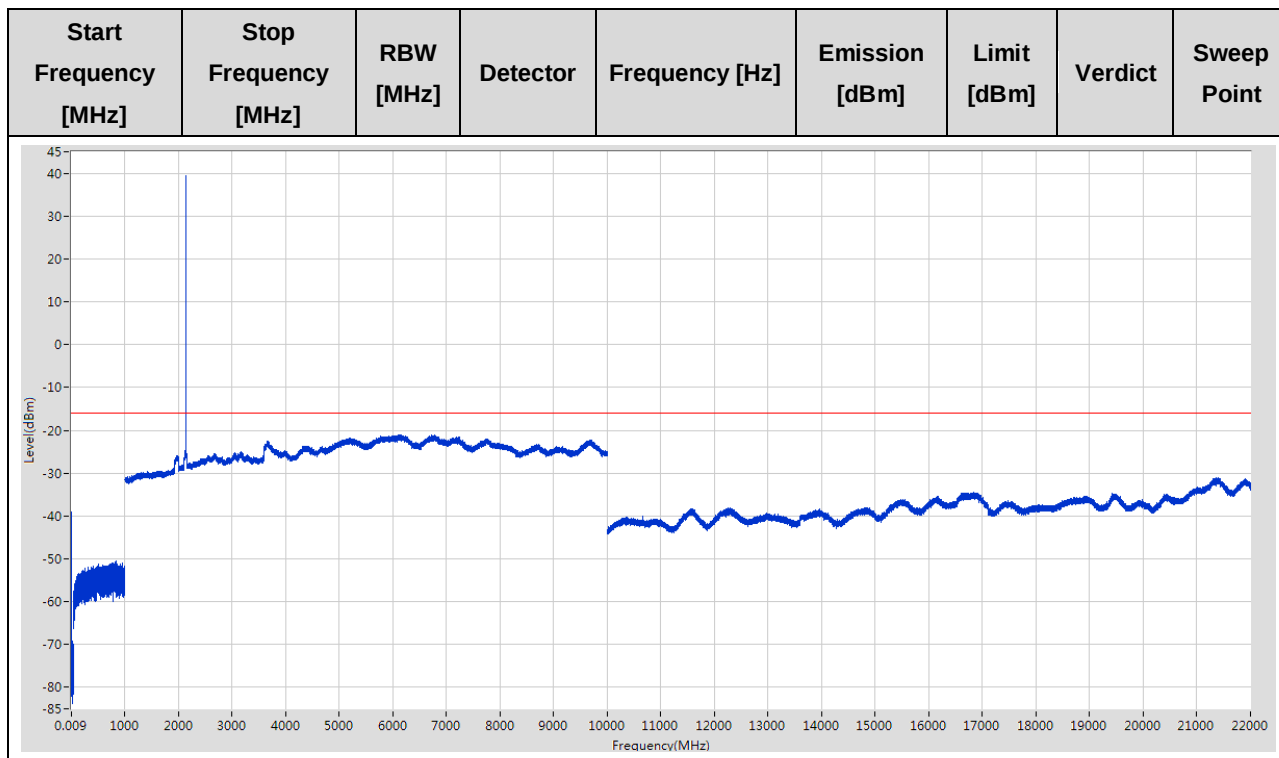
2.11 1U_TM1_B_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	10.692 k	-48.15	-16	Pass	1001
0.15	30	0.01	RMS	158.001 k	-41.13	-16	Pass	14925
30	1000	0.1	RMS	783.318832 M	-50.07	-16	Pass	48500
1000	10000	1	RMS	2112.82782 M	40.11	-16	---	45000
10000	22000	1	RMS	21402.170107 M	-30.98	-16	Pass	60000



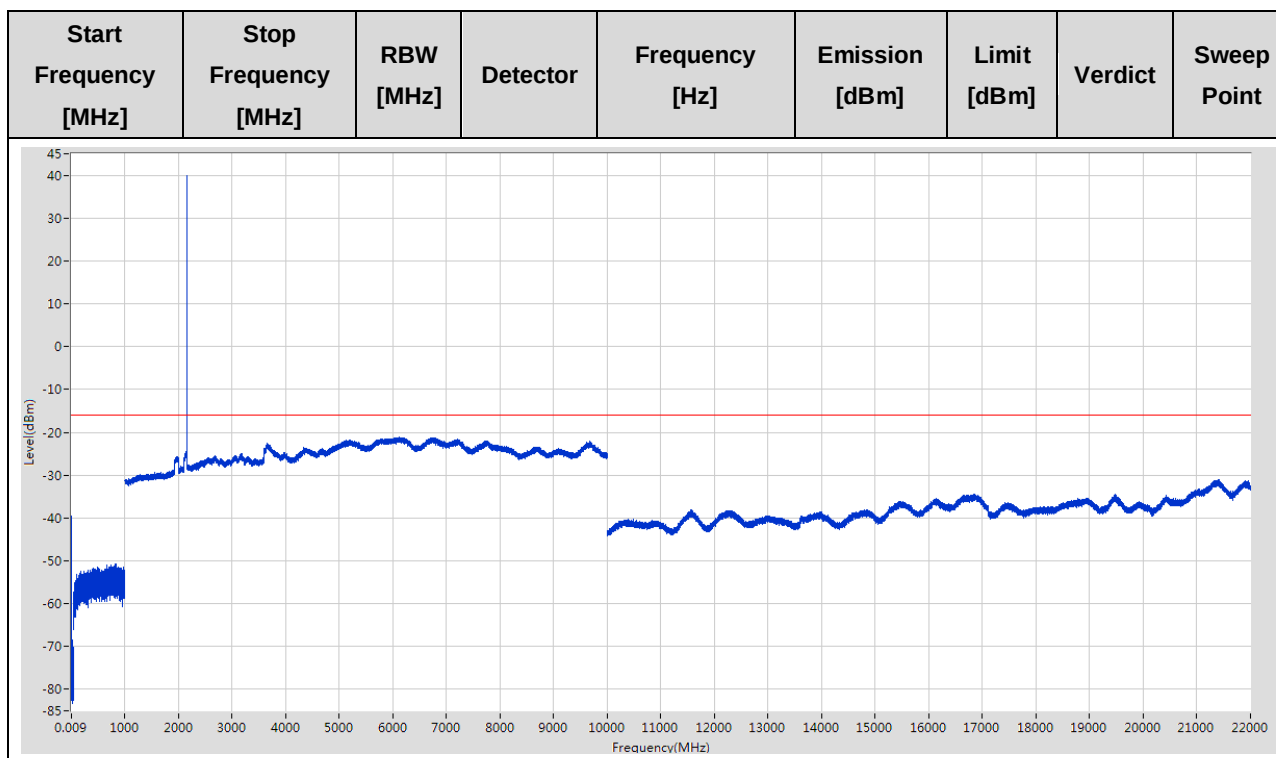
2.12 1U_TM1_M_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9.141 k	-48.21	-16	Pass	1001
0.15	30	0.01	RMS	158.001 k	-39.15	-16	Pass	14925
30	1000	0.1	RMS	826.499912 M	-50.56	-16	Pass	48500
1000	10000	1	RMS	2132.628315 M	39.44	-16	---	45000
10000	22000	1	RMS	21358.167907 M	-31.09	-16	Pass	60000



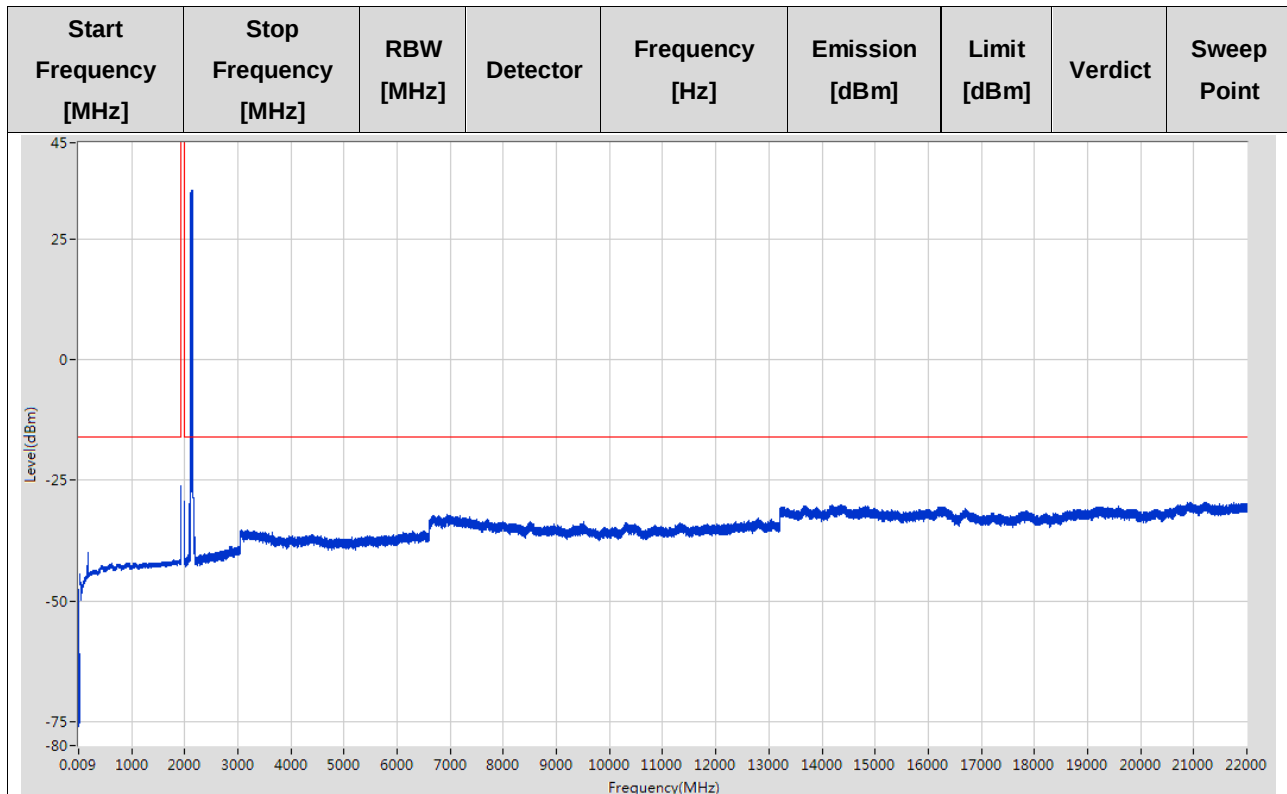
2.13 1U_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	9 k	-48.66	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-39.53	-16	Pass	14925
30	1000	0.1	RMS	806.679417 M	-50.74	-16	Pass	48500
1000	10000	1	RMS	2151.428785 M	39.91	-16	---	45000
10000	22000	1	RMS	21402.370117 M	-31.01	-16	Pass	60000



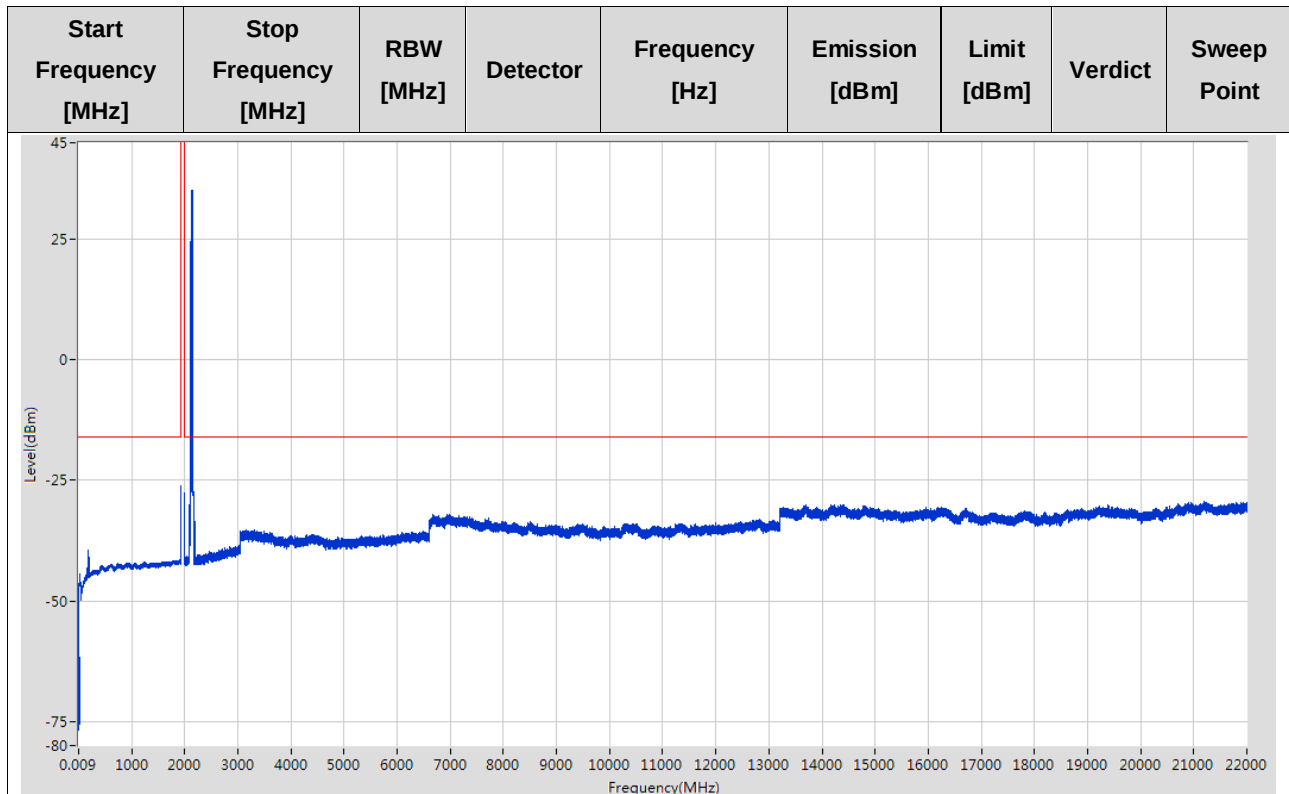
2.14 4U_TM1_B_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	78.499 k	-49.81	-16	Pass	705
0.15	30	0.01	RMS	156.001 k	-47.56	-16	Pass	14925
30	1000	1	RMS	184.431842 M	-40.06	-16	Pass	4850
1000	1930	1	RMS	1929.399871 M	-26.06	-16	Pass	4650
1995	22000	1	RMS	2143.218093 M	35.16	-16	---	100025



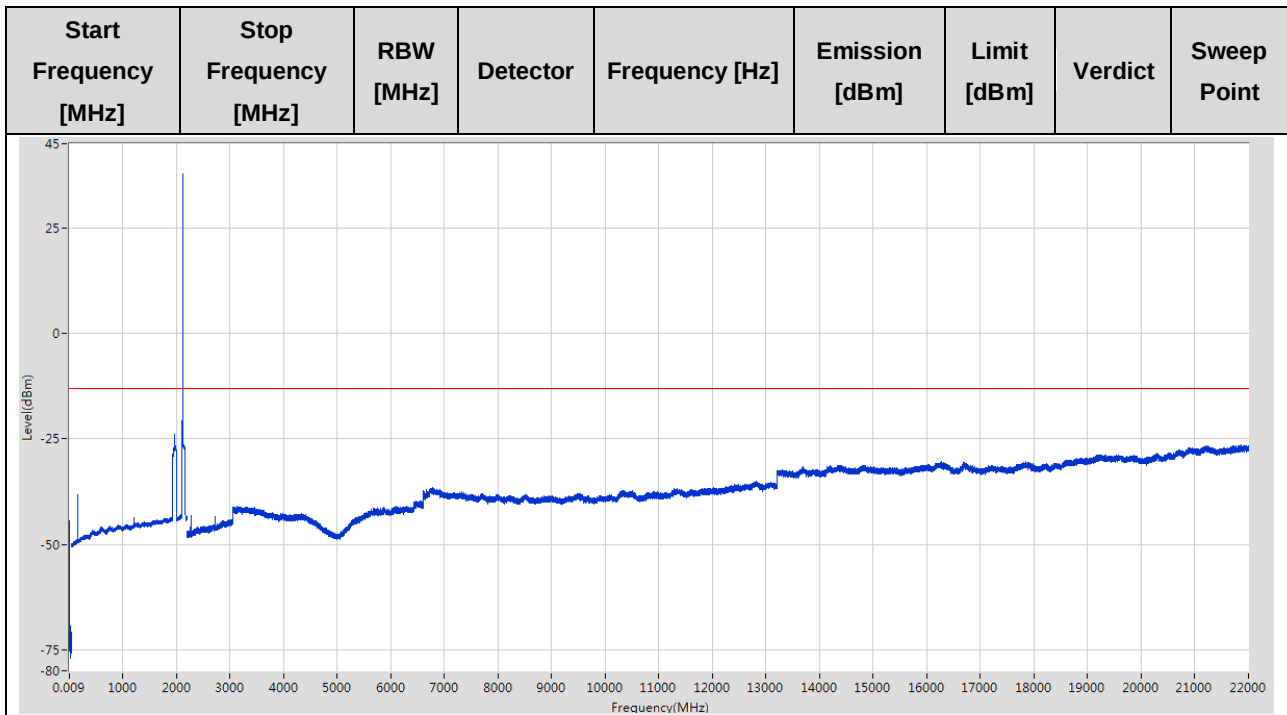
2.15 4U_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	78.499 k	-49.79	-16	Pass	705
0.15	30	0.01	RMS	158.001 k	-46.46	-16	Pass	14925
30	1000	1	RMS	189.432873 M	-39.6	-16	Pass	4850
1000	1930	1	RMS	1929.399871 M	-26.05	-16	Pass	4650
1995	22000	1	RMS	2152.419216 M	35.12	-16	---	100025



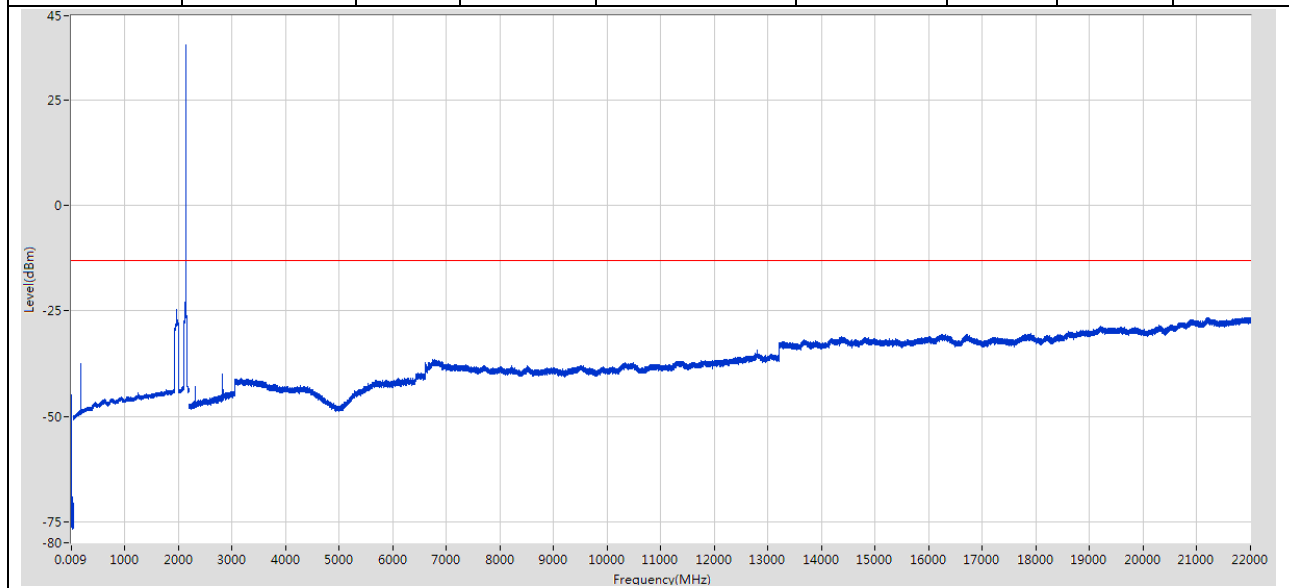
2.16 1L5M_TM1_B_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-44.54	-13	Pass	705
0.15	30	0.01	RMS	646.061 k	-47.43	-13	Pass	14925
30	2200	1	RMS	2113.967633 M	37.83	-13	---	10850
2200	22000	1	RMS	21869.212086 M	-26.47	-13	Pass	99000



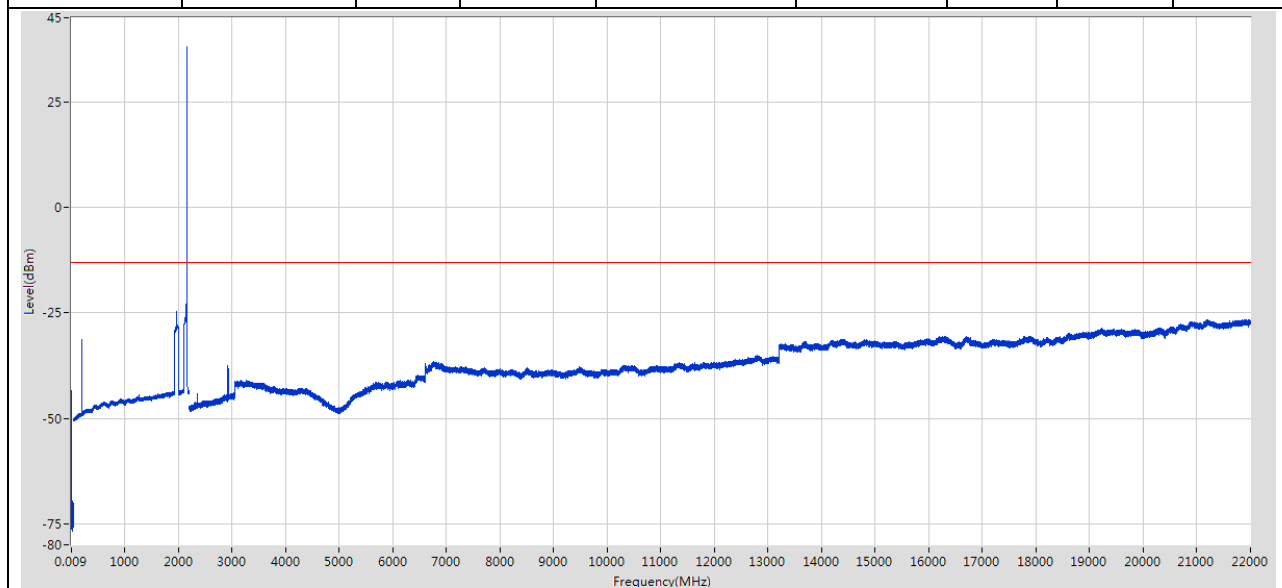
2.17 1L5M_TM1_M_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-45.04	-13	Pass	705
0.15	30	0.01	RMS	714.069 k	-48.07	-13	Pass	14925
30	2200	1	RMS	2130.974031 M	38.1	-13	---	10850
2200	22000	1	RMS	21958.740719 M	-26.55	-13	Pass	99000



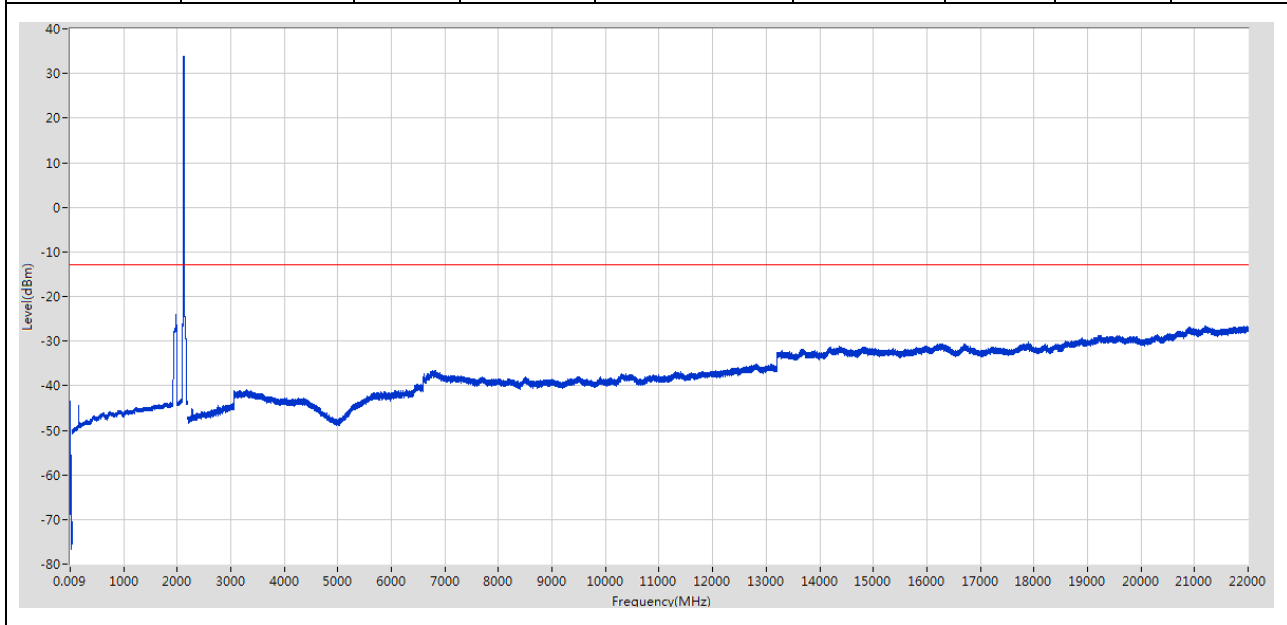
2.18 1L5M_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-43.52	-13	Pass	705
0.15	30	0.01	RMS	436.035 k	-48.96	-13	Pass	14925
30	2200	1	RMS	2151.181633 M	38	-13	---	10850
2200	22000	1	RMS	21895.049209 M	-26.63	-13	Pass	99000



2.19 1L20M_TM1_B_Band4

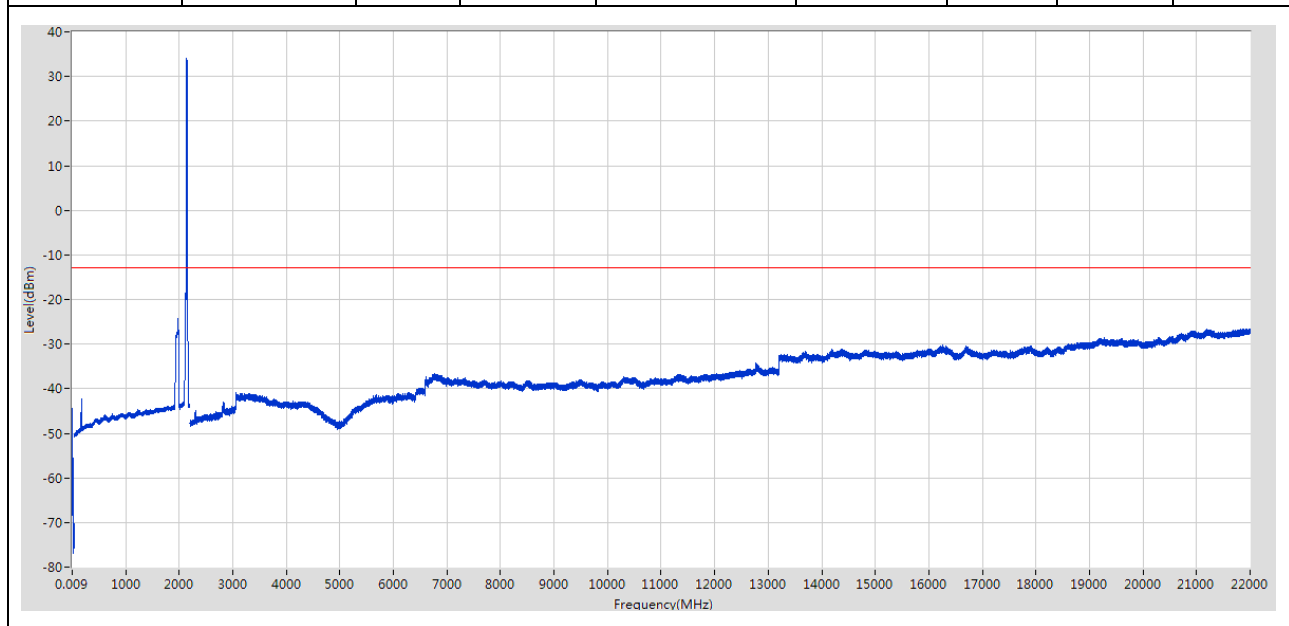
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-43.5	-13	Pass	705
0.15	30	0.01	RMS	600.055 k	-53.17	-13	Pass	14925
30	2200	1	RMS	2124.371547 M	33.95	-13	---	10850
2200	22000	1	RMS	21192.718447 M	-26.55	-13	Pass	99000





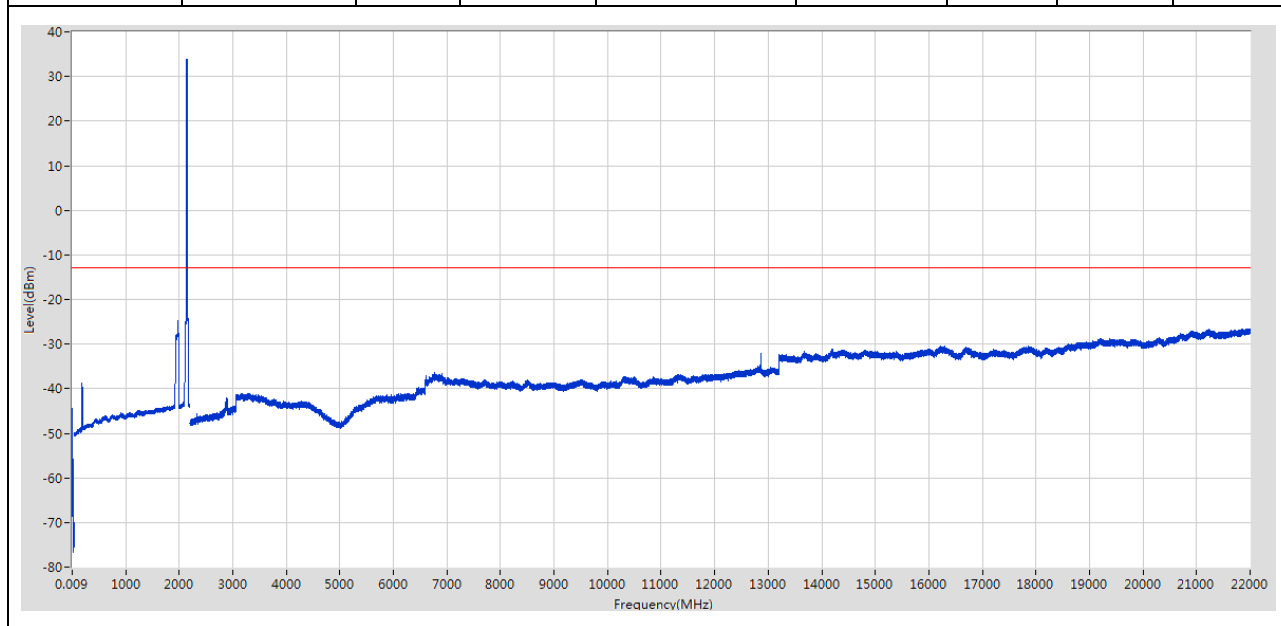
2.20 1L20M_TM1_M_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-44.43	-13	Pass	705
0.15	30	0.01	RMS	194.005 k	-53.48	-13	Pass	14925
30	2200	1	RMS	2136.576139 M	34.06	-13	---	10850
2200	22000	1	RMS	21882.431079 M	-26.62	-13	Pass	99000



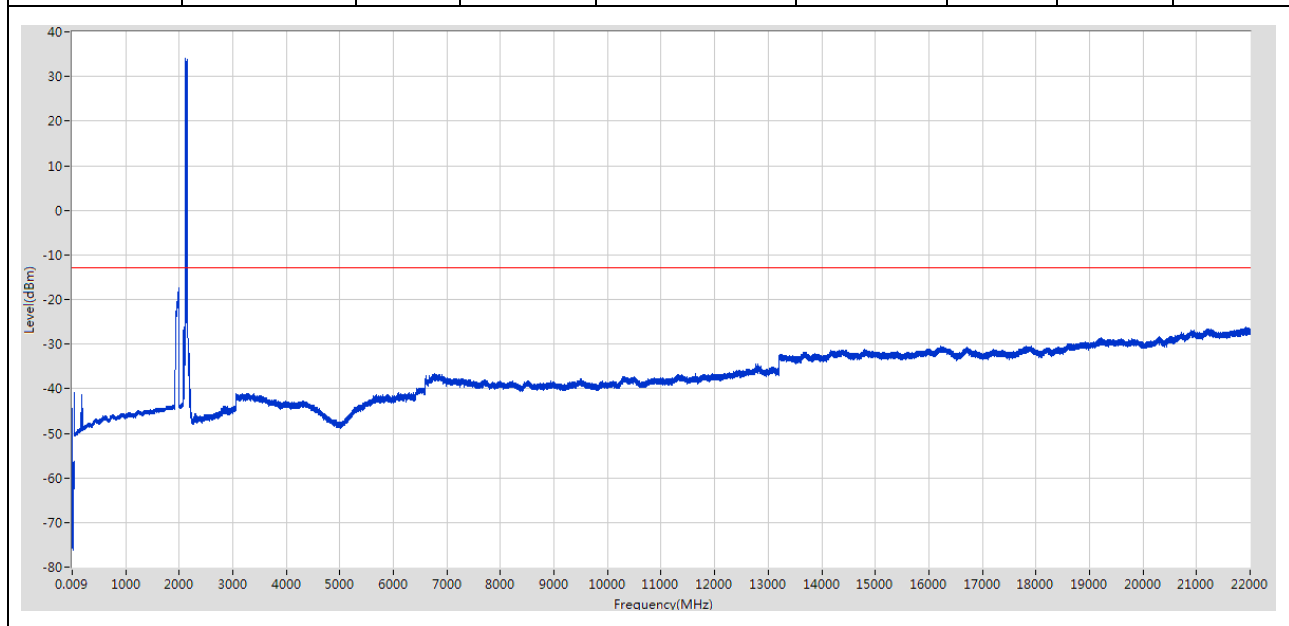
2.21 1L20M_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-44.53	-13	Pass	705
0.15	30	0.01	RMS	192.005 k	-53.49	-13	Pass	14925
30	2200	1	RMS	2139.377192 M	33.86	-13	---	10850
2200	22000	1	RMS	21993.390504 M	-26.57	-13	Pass	99000



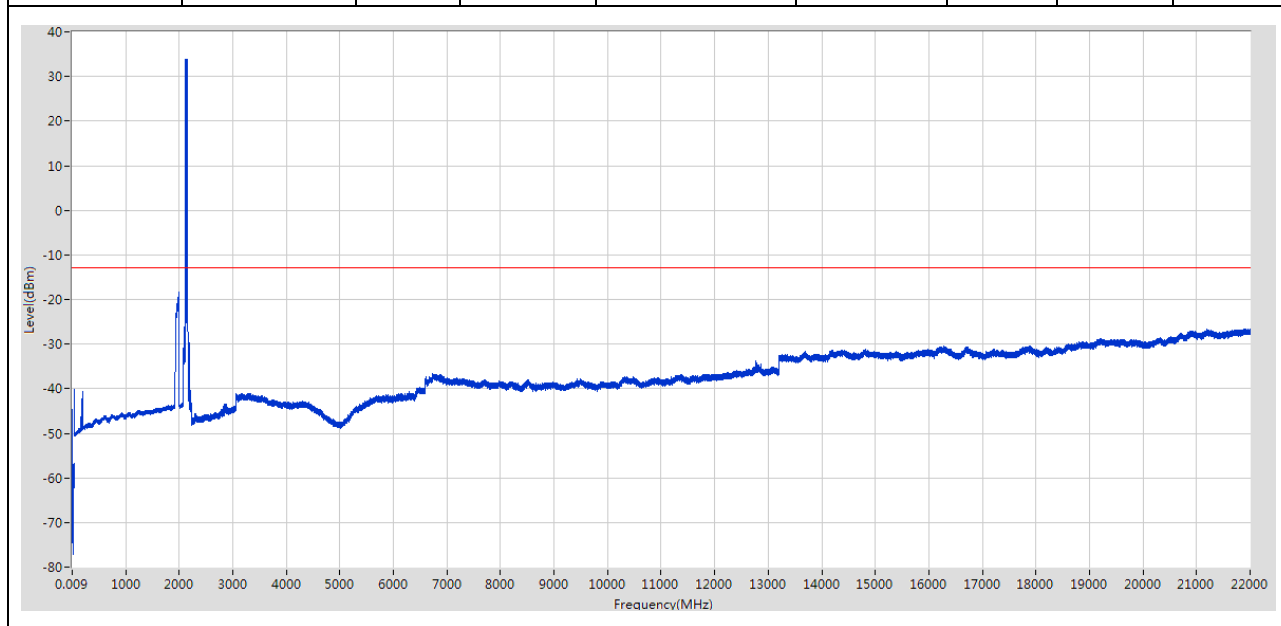
2.22 NTC_4L_TM1_B_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-44.42	-13	Pass	705
0.15	30	0.01	RMS	5.002592 M	-53.27	-13	Pass	14925
30	2200	1	RMS	2113.567482 M	33.99	-13	---	10850
2200	22000	1	RMS	21916.680288 M	-26.21	-13	Pass	99000



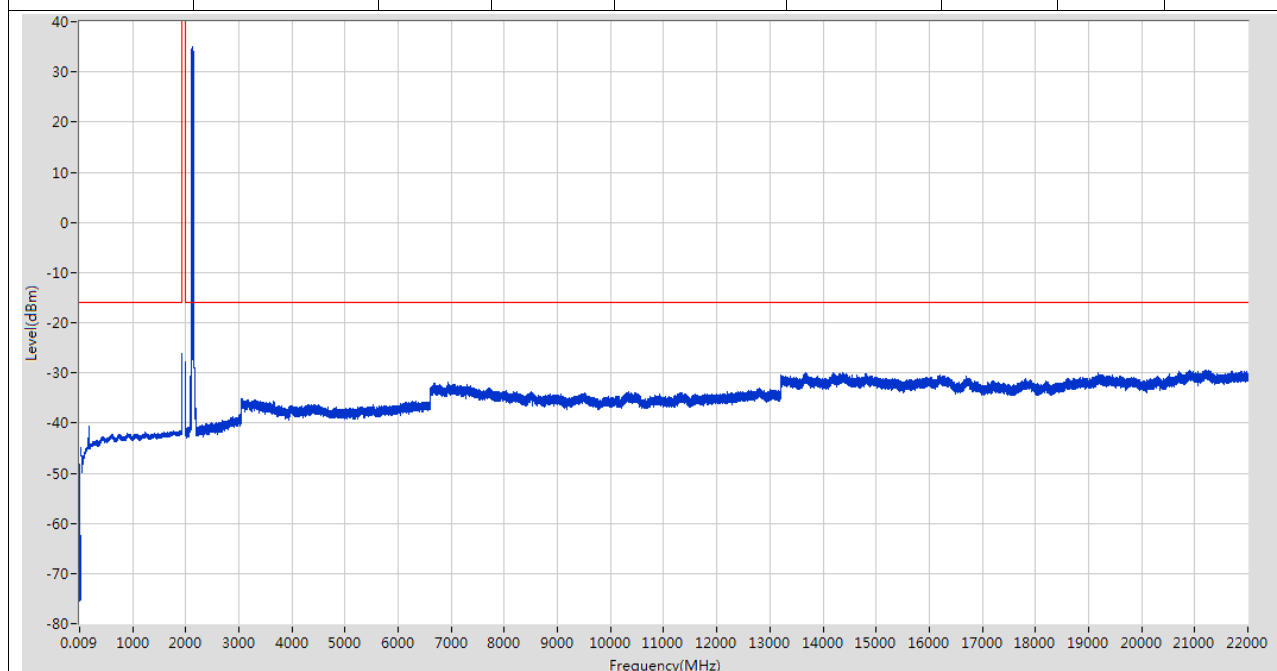
2.23 NTC_4L_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.679 k	-44.55	-13	Pass	705
0.15	30	0.01	RMS	4.996592 M	-52.36	-13	Pass	14925
30	2200	1	RMS	2146.179752 M	33.94	-13	---	10850
2200	22000	1	RMS	21999.399137 M	-26.63	-13	Pass	99000



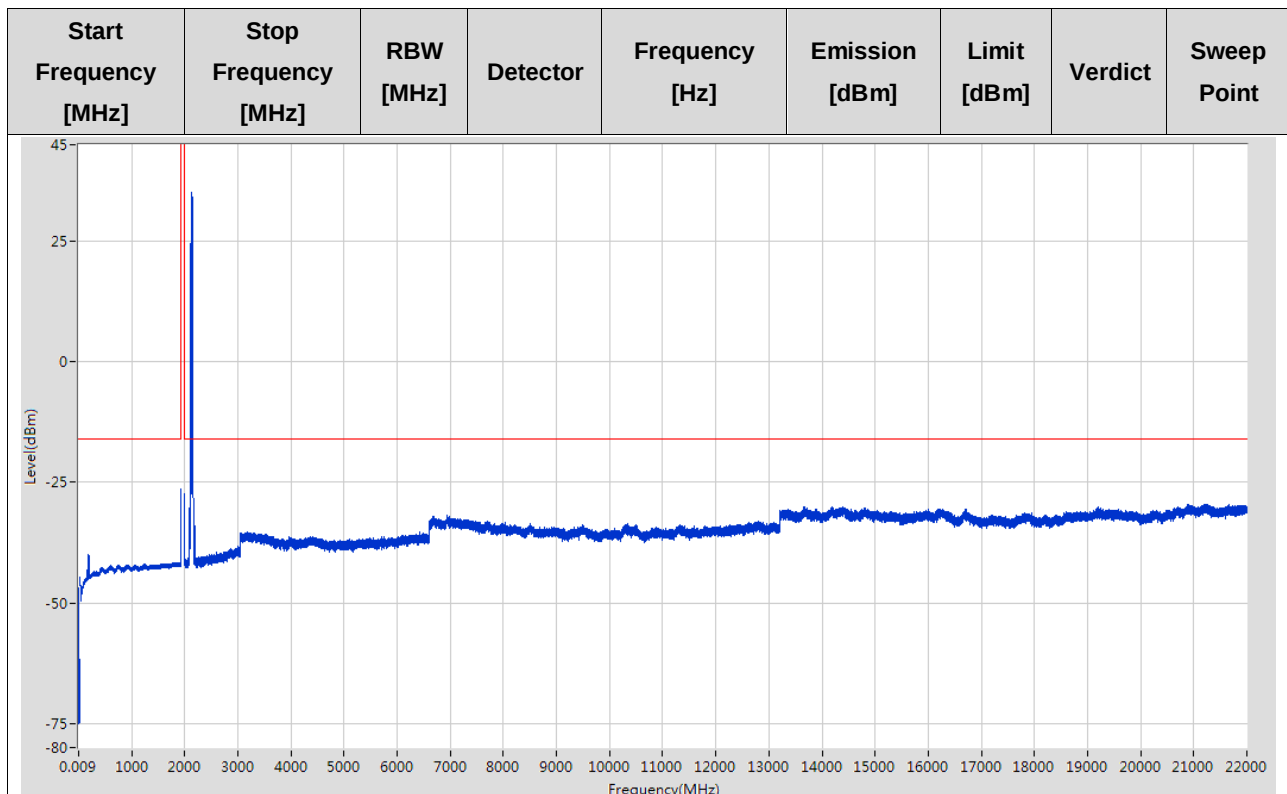
2.24 NTC_2U2L_TM1_B_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	78.499 k	-49.9	-16	Pass	705
0.15	30	0.01	RMS	156.001 k	-48.11	-16	Pass	14925
30	1000	1	RMS	184.031759 M	-40.63	-16	Pass	4850
1000	1930	1	RMS	1929.399871 M	-26.27	-16	Pass	4650
1995	22000	1	RMS	2118.61509 M	34.98	-16	---	100025



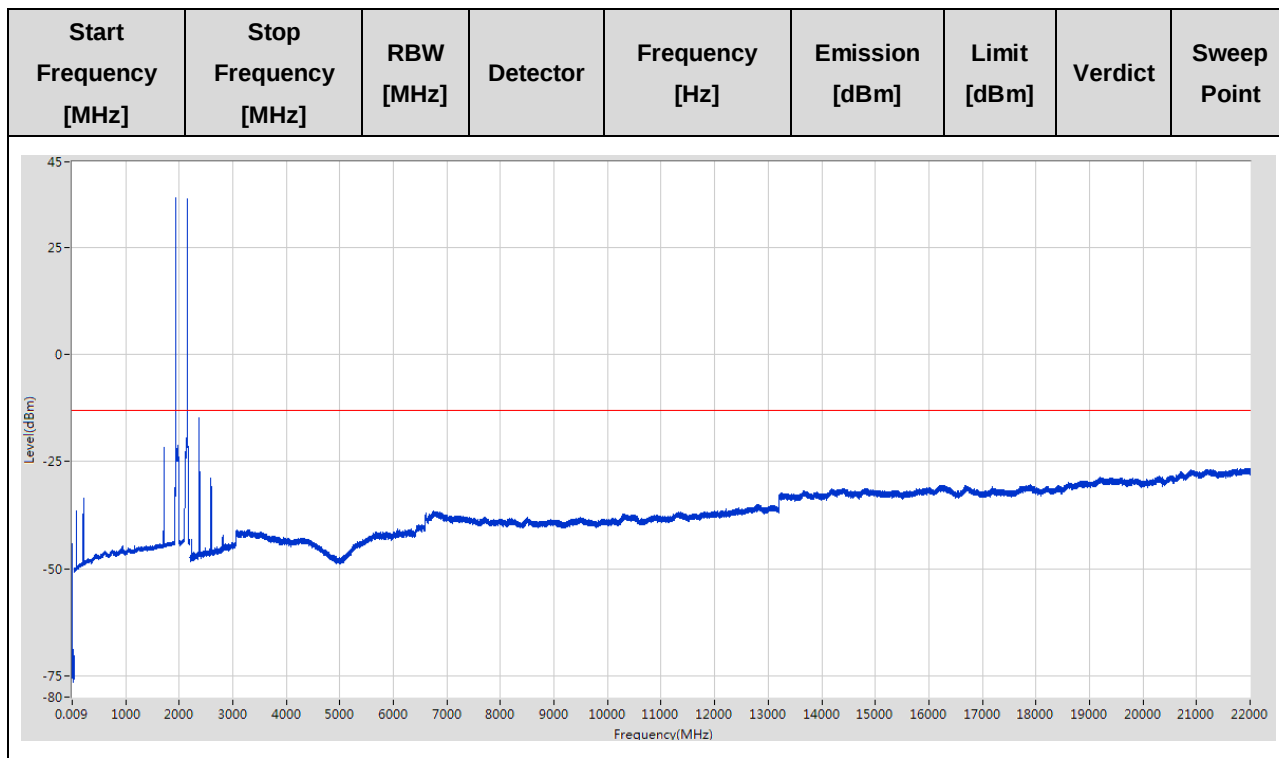
2.25 NTC_2U2L_TM1_T_Band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	78.499 k	-49.8	-16	Pass	705
0.15	30	0.01	RMS	158.001 k	-46.8	-16	Pass	14925
30	1000	1	RMS	188.832749 M	-40.01	-16	Pass	4850
1000	1930	1	RMS	1930 M	-26.47	-16	Pass	4650
1995	22000	1	RMS	2117.614968 M	35.23	-16	---	100025



2.26 1U_B_band2+1L_T_band4

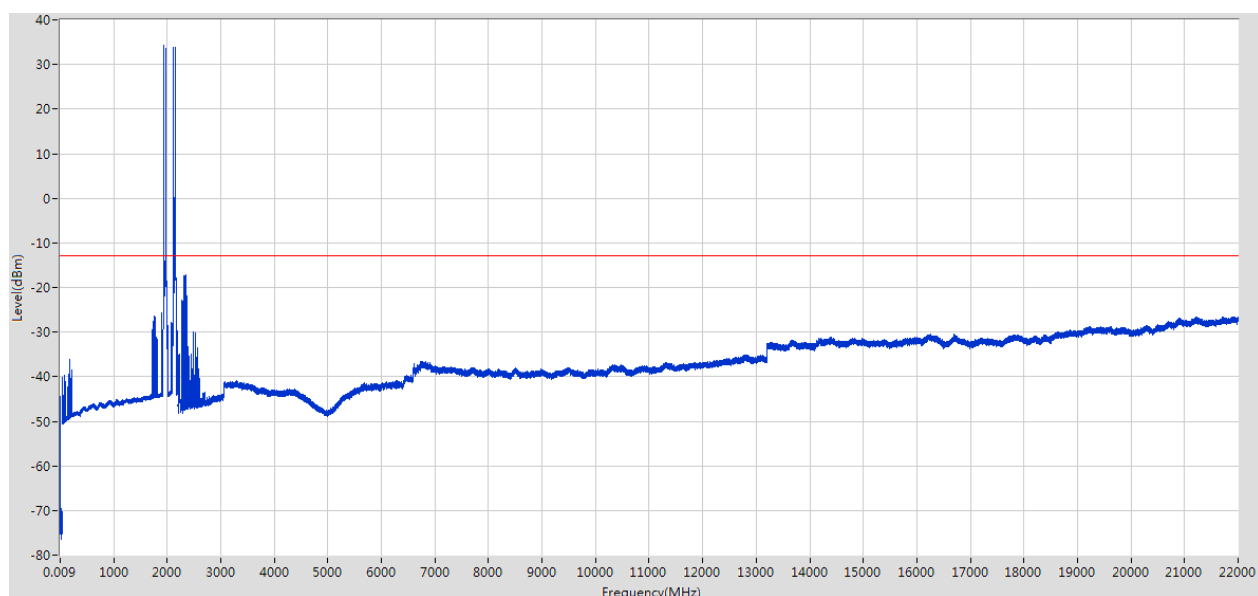
Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	65.08 k	-44.12	-13	Pass	705
0.15	30	0.01	RMS	240.011 k	-51.52	-13	Pass	14925
30	2200	1	RMS	1932.299285 M	36.5	-13	---	10850
2200	22000	1	RMS	2371.820974 M	-14.76	-13	Pass	99000





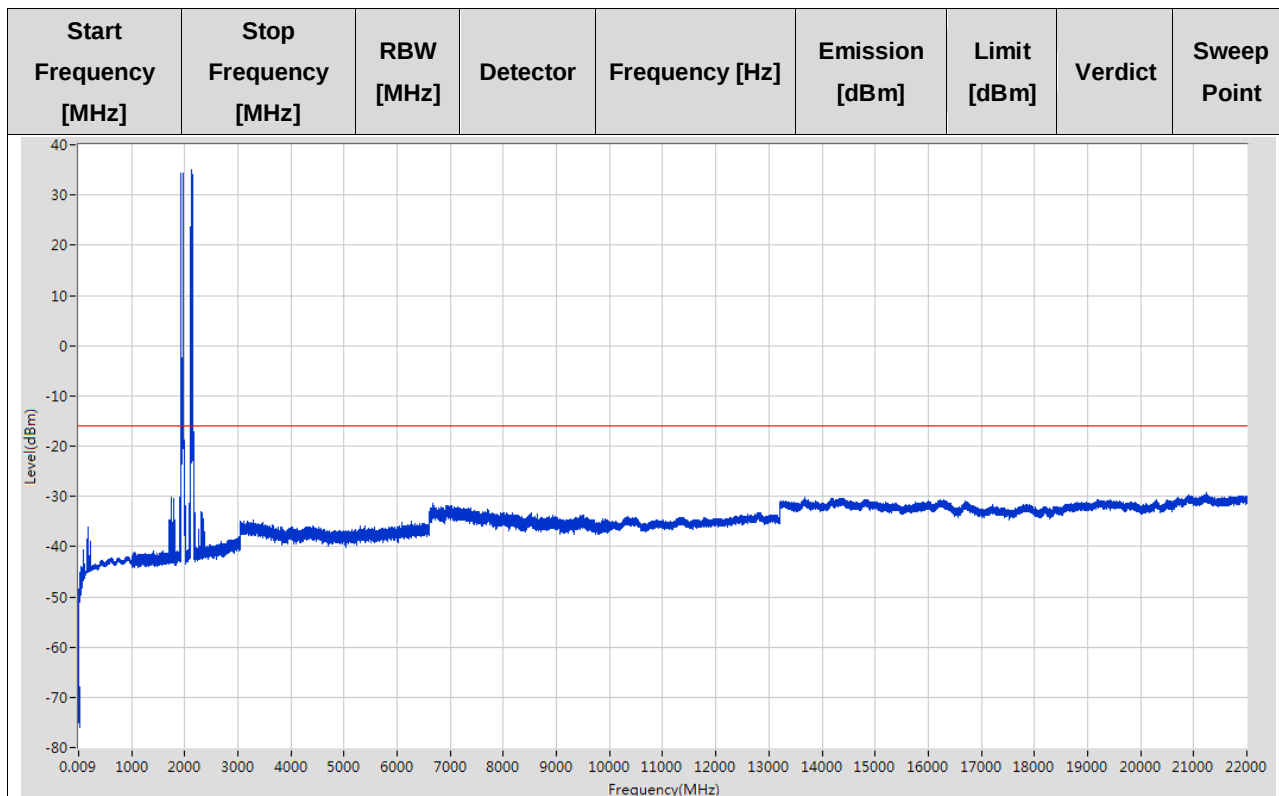
2.27 NTC_1U1L_B_band2+NTC_2L_T_band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	64.879 k	-44.47	-13	Pass	705
0.15	30	0.01	RMS	318.021 k	-54.59	-13	Pass	14925
30	2200	1	RMS	1932.09921 M	34.39	-13	---	10850
2200	22000	1	RMS	2338.416897 M	-17.23	-13	Pass	99000



2.28 NTC_1U1L_B_band2+NTC_1U1L_T_band4

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
0.009	0.15	0.001	RMS	78.499 k	-50.92	-16	Pass	705
0.15	30	0.01	RMS	158.001 k	-48.54	-16	Pass	14925
30	1000	1	RMS	184.831924 M	-36.04	-16	Pass	4850
1000	10000	1	RMS	2118.136491 M	34.94	-16	---	45000
10000	22000	1	RMS	21229.770822 M	-29.29	-16	Pass	60000





Appendix E: Field Strength of Spurious Radiation / Radiated Spurious Emissions

1 Result Table

NOTE: If applicable, according to FCC KDB 971168 §5.8.3, for the requirement of a fixed limit (e.g. -13 dBm), the power limit can be mathematically converted to an equivalent field strength limit. The relationship is:

(1) $E \text{ [dB}\mu\text{V/m]} = \text{EIRP [dBm]} - 20 \cdot \lg(D) + 104.8$; where D is the measurement distance in meters.

(2) $\text{EIRP [dBm]} = \text{ERP [dBm]} + 2.15$.

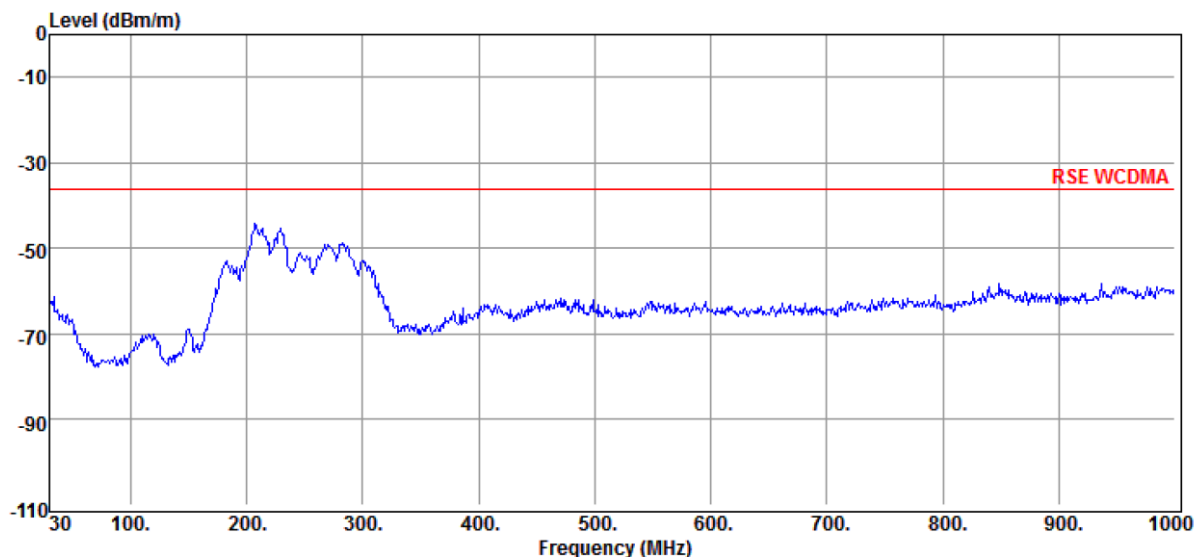
Also according to FCC §2.1053(a), emissions are assumed radiated from halfwave dipole antennas, so the power limit refer to the ERP.

(For example, the fixed power limit -13 dBm can be converted to the field strength limit 84.4 dB μ V/m at 3 m measurement distance, and to 93.95 dB μ V/m at 1 m measurement distance assuming in the far-field region of both the transmit and receive antennas.)

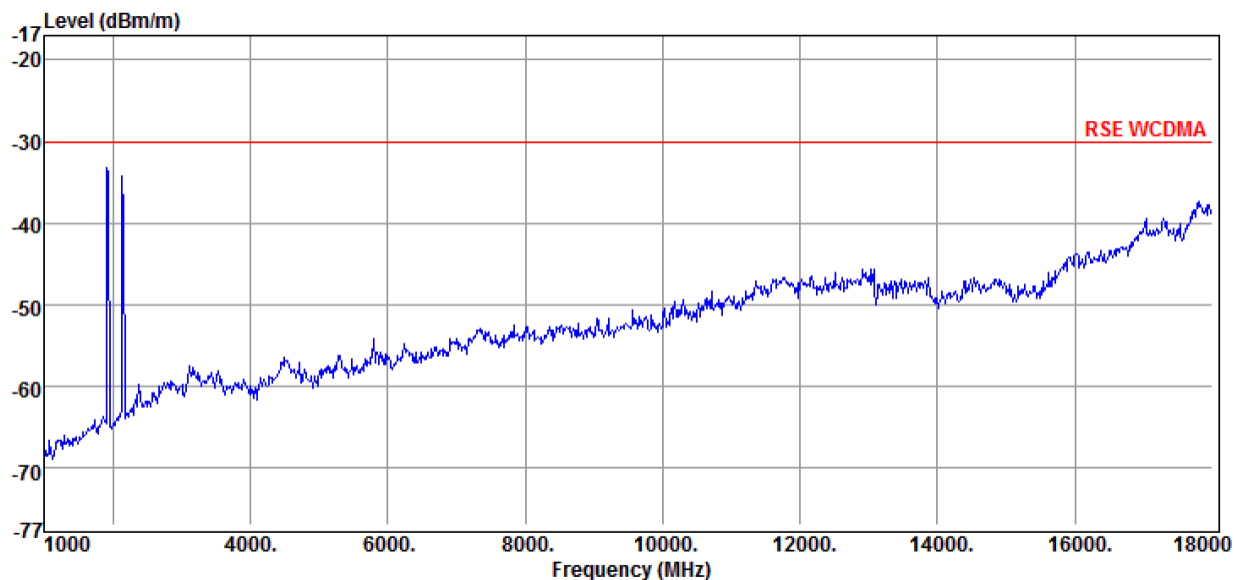
Test Range	EUT Conf.	Maximum Emission	Verdict
30 MHz to 1 GHz	1U_B_band2+1L_T_band4(Worst Case)	< Limit	Pass
1 GHz to 18 GHz	1U_B_band2+1L_T_band4(Worst Case)	< Limit	Pass
18 GHz to 26.5 GHz	1U_B_band2+1L_T_band4(Worst Case)	< Limit	Pass

2 Test Plot

2.1 Test range of “30 MHz to 1 GHz”



2.2 Test range of “1 GHz to 18 GHz”



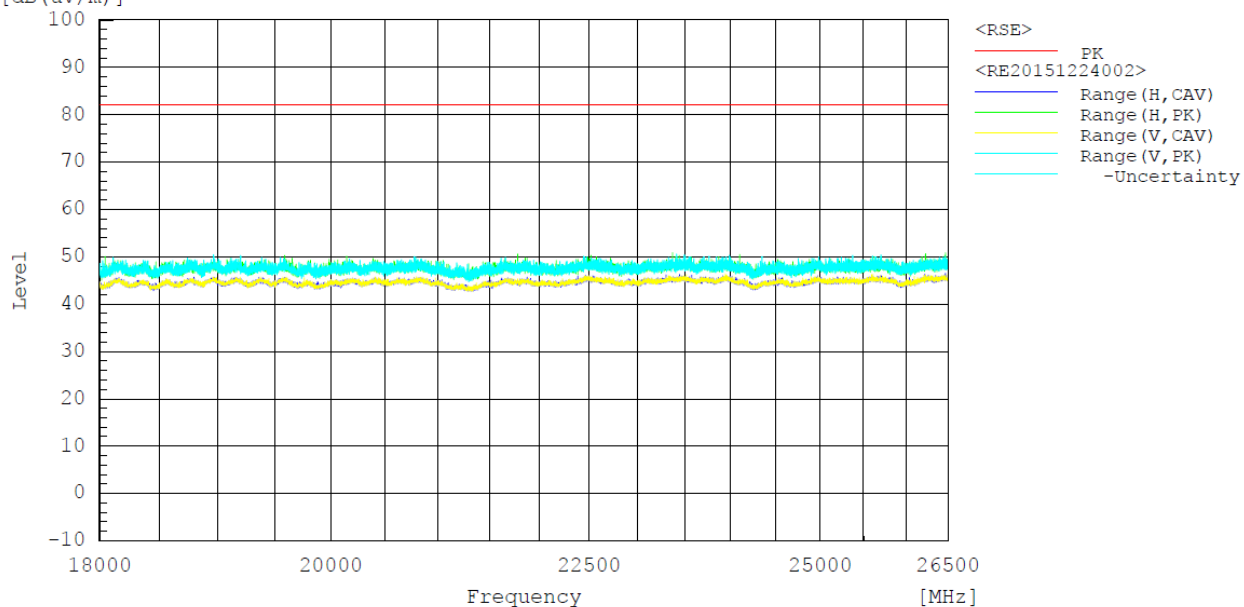
2.3 Test range of “18 GHz to 26.5 GHz”



ReportHeader : GCTC EMC Lab
Operator : XHC
EUT : AAU3940
Modal : NA
Serial : NA

Limit : RSE 18GHz-26.5GHz
Date, Time : 24 December, 2015 11:03
EUT Power : DC 48V
Temp, Humid : 25Degree;56%RH
Comment :

[dB (uV/m)]





Appendix F: Frequency Stability



1 Result Table

1.1 Frequency Error

EUT Conf.	Temperature	Voltage	Freq. Error, f(offset) [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1U_TM1_M_Band2	-30 °C	100%	-0.97	-0.00049	-0.00030	Pass
	-20 °C	100%	-0.48	-0.00024	-0.00005	Pass
	-10 °C	100%	-0.45	-0.00023	-0.00004	Pass
	0 °C	100%	0.54	0.00028	0.00047	Pass
	+10 °C	100%	1.90	0.00097	0.00116	Pass
	+20 °C	85 %	-1.16	-0.00059	-0.00040	Pass
	+20 °C	100 %	-0.38	-0.00019	---	Pass
	+20 °C	115 %	-2.22	-0.00113	-0.00094	Pass
	+30 °C	100%	1.69	0.00086	0.00106	Pass
	+40 °C	100%	0.22	0.00011	0.00031	Pass
	+50 °C	100%	-1.34	-0.00068	-0.00049	Pass
1L20M_TM1_M_Band2	-30 °C	100%	1.18	0.00060	0.00032	Pass
	-20 °C	100%	0.92	0.00047	0.00019	Pass
	-10 °C	100%	-0.19	-0.00010	-0.00038	Pass
	0 °C	100%	0.75	0.00038	0.00010	Pass
	+10 °C	100%	-0.30	-0.00015	-0.00043	Pass
	+20 °C	85 %	0.50	0.00026	-0.00003	Pass
	+20 °C	100 %	0.55	0.00028	---	Pass
	+20 °C	115 %	1.16	0.00059	0.00031	Pass
	+30 °C	100%	-0.06	-0.00003	-0.00031	Pass
	+40 °C	100%	0.76	0.00039	0.00011	Pass
	+50 °C	100%	0.27	0.00014	-0.00014	Pass
1L5M_TM1_M_Band4	-30 °C	100%	-0.06	-0.00003	0.00068	Pass
	-20 °C	100%	1.25	0.00059	0.00129	Pass
	-10 °C	100%	0.79	0.00037	0.00108	Pass
	0 °C	100%	1.08	0.00051	0.00121	Pass
	+10 °C	100%	0.99	0.00046	0.00117	Pass
	+20 °C	85 %	-0.52	-0.00024	0.00046	Pass
	+20 °C	100 %	-1.51	-0.00071	---	Pass
	+20 °C	115 %	0.76	0.00036	0.00106	Pass
	+30 °C	100%	0.38	0.00018	0.00089	Pass
	+40 °C	100%	0.2	0.00009	0.00080	Pass
	+50 °C	100%	1.3	0.00061	0.00132	Pass



1.2 Frequency Range

(Not applicable)



Appendix G: Receiver Spurious Emissions



(Not applicable)

END