Appendix A1: Transmitter Output Power

1 Result Table

1.1 Channel Power, Total

NOTE 1: If applicable, the EIRP [W] = 10 ^ ((Channel Power [dBm] + 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 described 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.	Channel Power [dBm]	Channel total Power [W]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
1L_ 5M_B	37.271	5.335	12	---	---	Pass
1L_ 5M _M	37.035	5.052	12	---	---	Pass
1L_ 5M _T	37.031	5.048	12	---	---	Pass
1L_ 10M_B	37.211	5.261	12	---	---	Pass
1L_ 10M _M	37.037	5.055	12	---	---	Pass
1L_ 10M_T	37.105	5.135	12	---	---	Pass
1L_ 15M_B	37.065	5.087	12	---	---	Pass
1L_ 15M _M	36.927	4.928	12	---	---	Pass
1L_ 15M_T	36.985	4.995	12	---	---	Pass
1L_ 20M_B	37.170	5.212	12	---	---	Pass
1L_ 20M _M	37.007	5.020	12	---	---	Pass
1L_ 20M_T	37.078	5.103	12	---	---	Pass
2L_5+5_B	34.185,34.030	5.150	12	---	---	Pass
2L_5+5_T	33.919,34.014	4.985	12	---	---	Pass
2L_20+20_B	34.046,33.783	4.928	12	---	---	Pass
2L_20+20_T	33.880,33.834	4.861	12	---	---	Pass
1U_B	37.011	5.025	12	---	---	Pass
1U_M	37.102	5.131	12	---	---	Pass
1U_T	37.043	5.062	12	---	---	Pass
2U_B	33.891,34.012	4.968	12	---	---	Pass
2U_T	33.824,33.917	4.876	12	---	---	Pass
3U_B	32.291,32.014,32.312	4.988	12	---	---	Pass
3U_T	32.242,32.256,32.015	4.947	12	---	---	Pass
4U_B	30.910,30.921,30.892,31.114	4.990	12	---	---	Pass
4U_T	30.810,30.962,30.991,31.214	5.032	12	---	---	Pass
1U1L_B	33.916,33.891	4.913	12	---	---	Pass

EUT Conf.	Channel Power [dBm]	Channel total Power [W]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
1U1L_T	34.011,33.876	4.959	12	---	---	Pass
2U1L_B	32.015,32.101,32.301	4.911	12	---	---	Pass
2U1L_T	32.240,32.155,32.148	4.957	12	---	---	Pass

1.2 Power Spectral Density

NOTE 1: If applicable, the EIRP [W/MHz] = 10 ^ ((Power Spectral Density [dBm/MHz] + 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 described below, and if exceed, the combination of the practical output power and the practical antenna gain should NOT exceed the required EIRP limit.

EUT Conf.	Channel Power Spectral Density [dBm/MHz]	Total Channel Power Spectral Density [dBm/MHz]	Antenna Gain [dBi]	EIRP [W/MHz]	Verdict
1L_ 5M_B	30.78	33.78	12	37.844	Pass
1L_ 5M _M	30.6	33.6	12	36.308	Pass
1L_ 5M _T	30.79	33.79	12	37.931	Pass
1U_B	31.49	34.49	12	44.566	Pass
1U_M	31.28	34.28	12	42.462	Pass
1U_T	31.55	34.55	12	45.186	Pass

1.3 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
1L_ 5M_B	6.82	Pass
1L_ 5M _M	6.82	Pass
1L_ 5M _T	6.83	Pass
1L_ 20M_B	7.05	Pass
1L_ 20M _M	6.80	Pass
1L_ 20M _T	6.87	Pass
1U_B	7.00	Pass
1U_M	7.00	Pass
1U_T	7.01	Pass

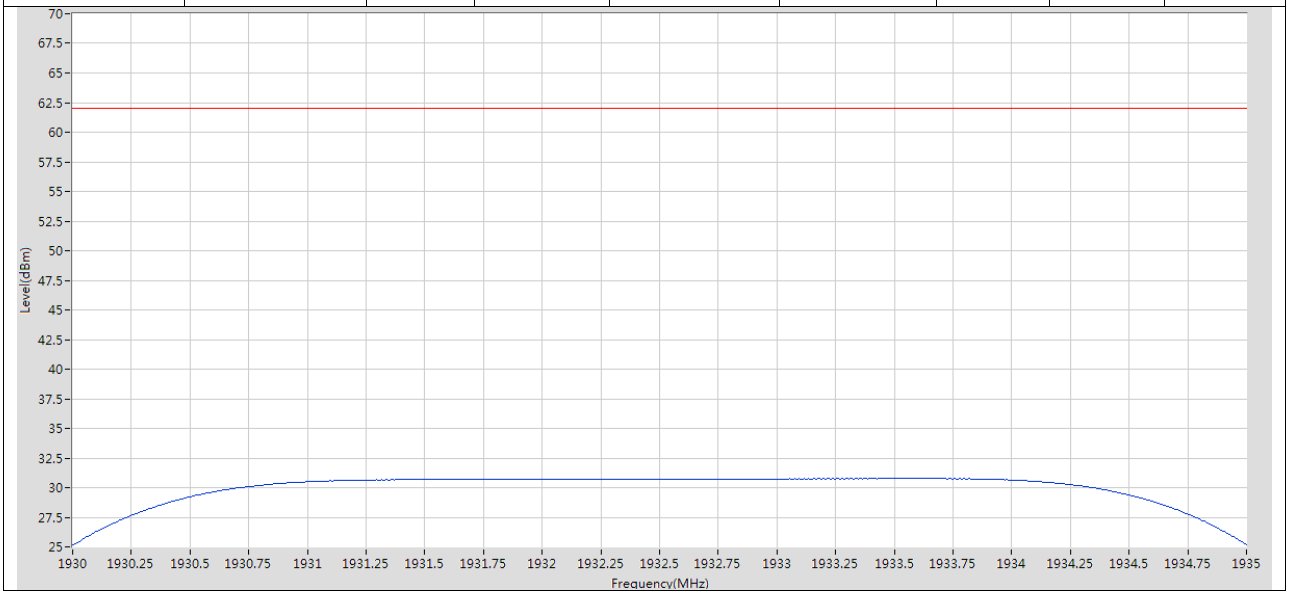
2 Test Plot

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

2.1 Power Spectral Density

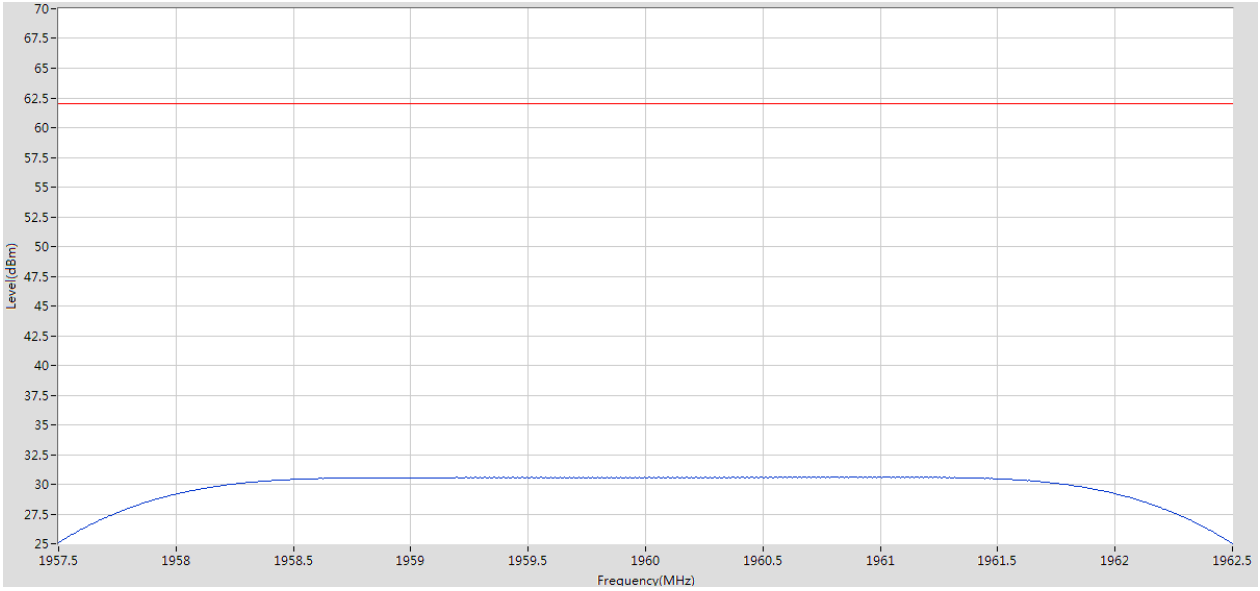
2.1.1 1L_ 5M_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1930	1935	1	RMS	1933.62 M	30.78	62	Pass	1001



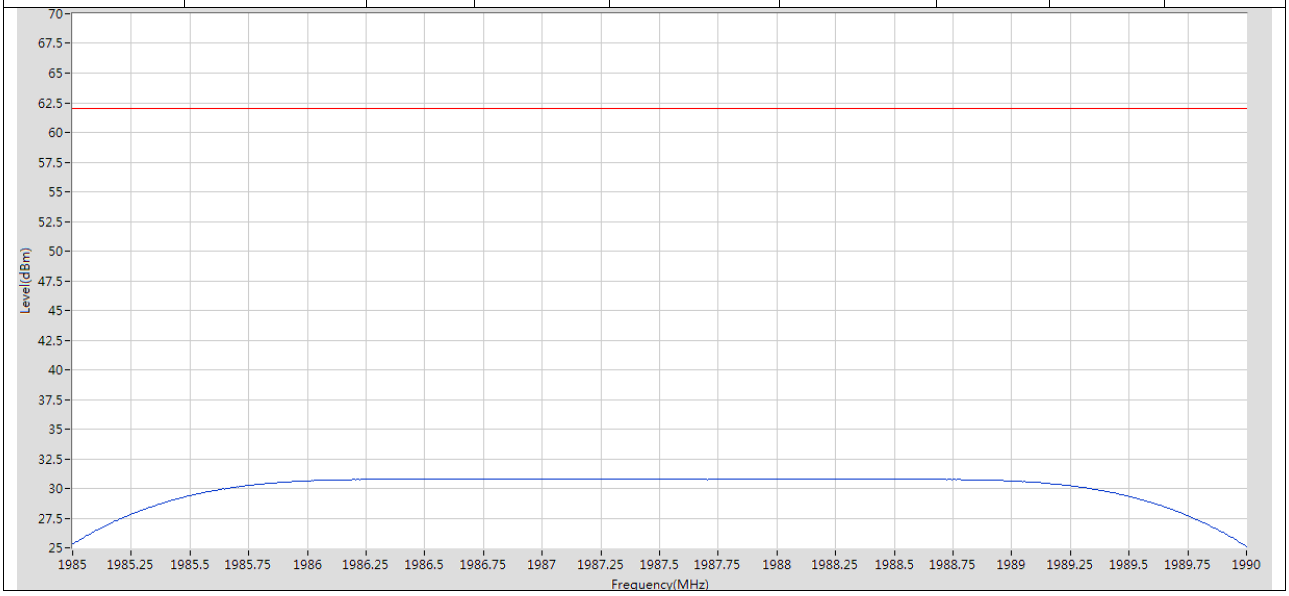
2.1.2 1L_ 5M_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1957.5	1962.5	1	RMS	1961.075 M	30.6	62	Pass	1001



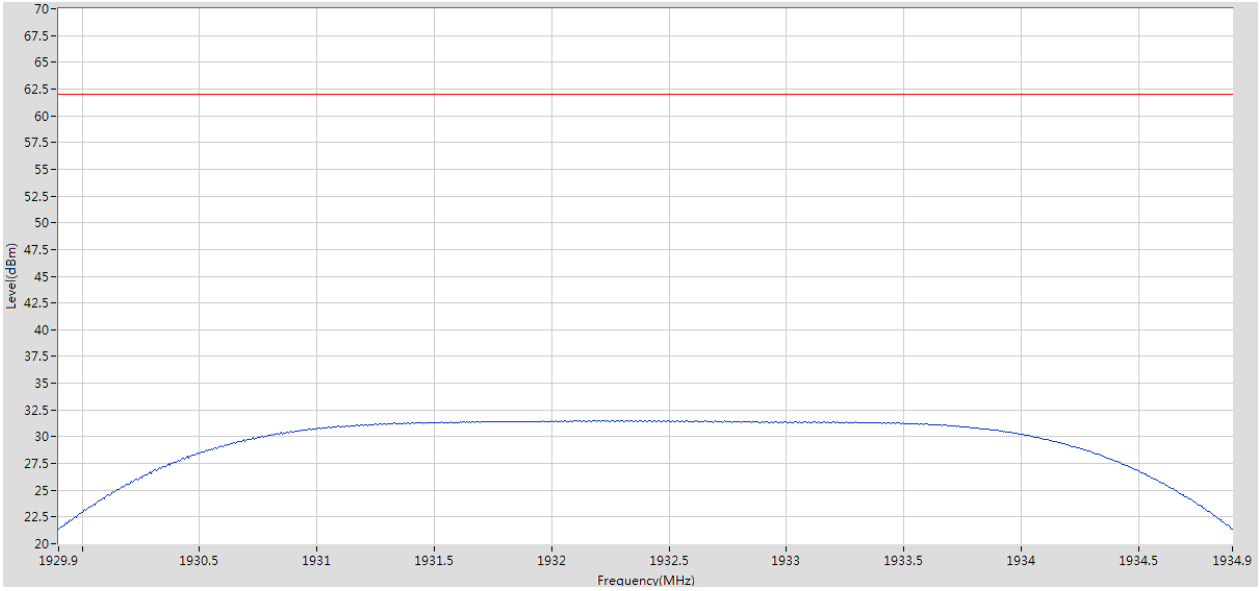
2.1.3 1L_ 5M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1985	1990	1	RMS	1986.675 M	30.79	62	Pass	1001



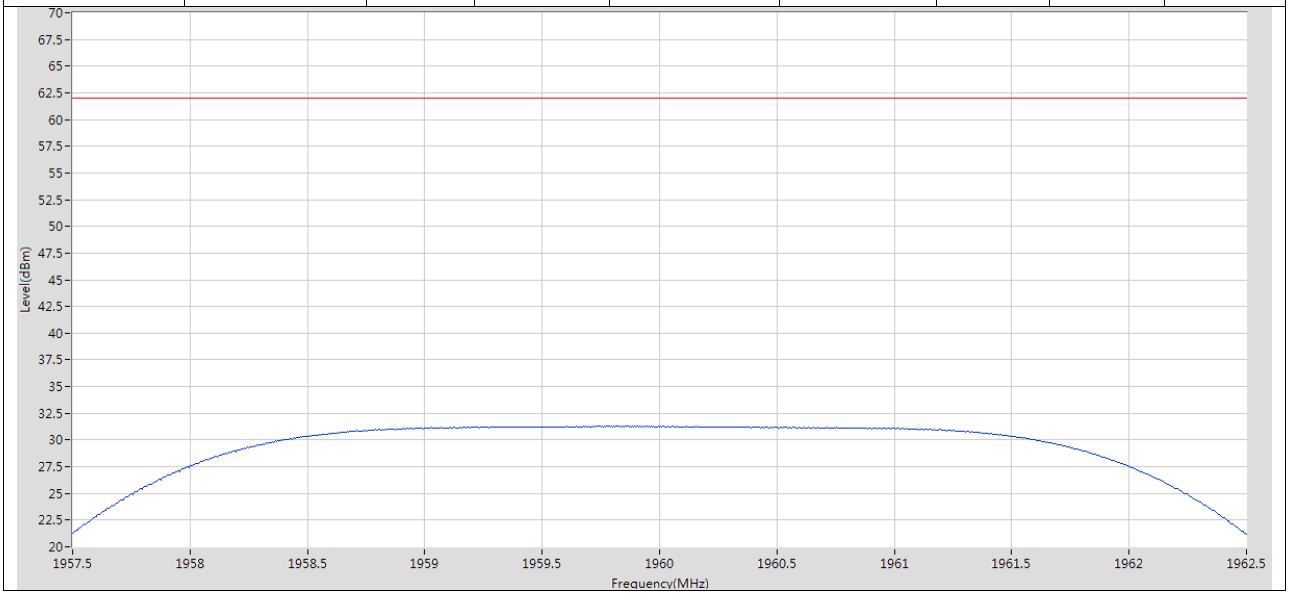
2.1.4 1U_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1929.9	1934.9	1	RMS	1932.335 M	31.49	62	Pass	1001



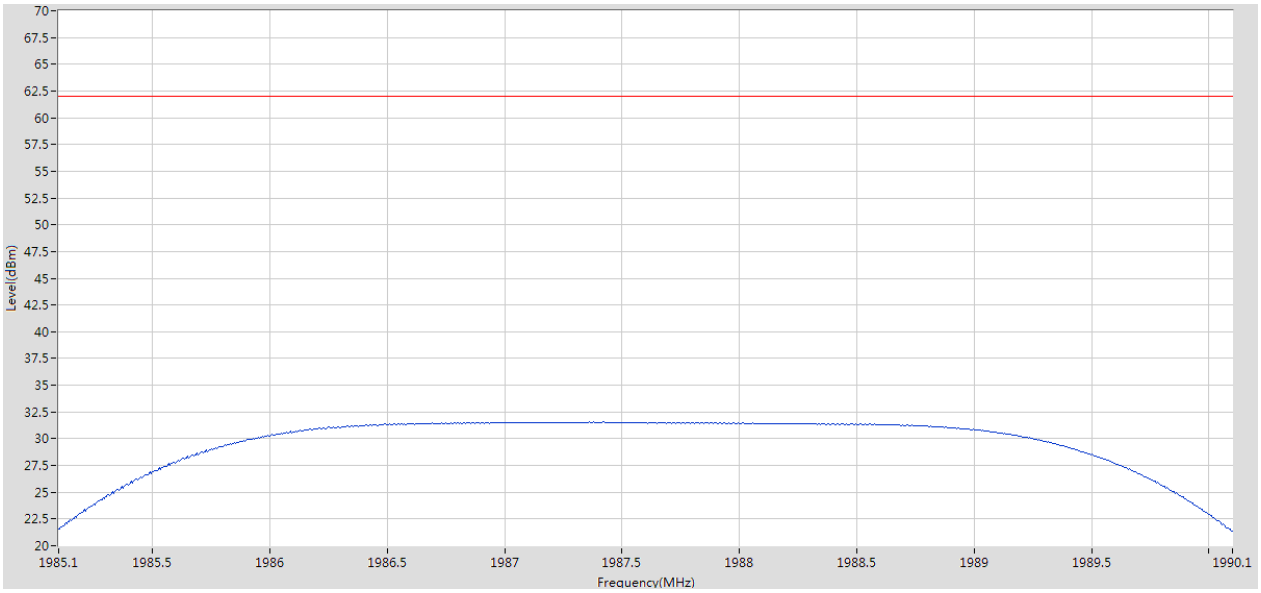
2.1.5 1U_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1957.5	1962.5	1	RMS	1959.875 M	31.28	62	Pass	1001



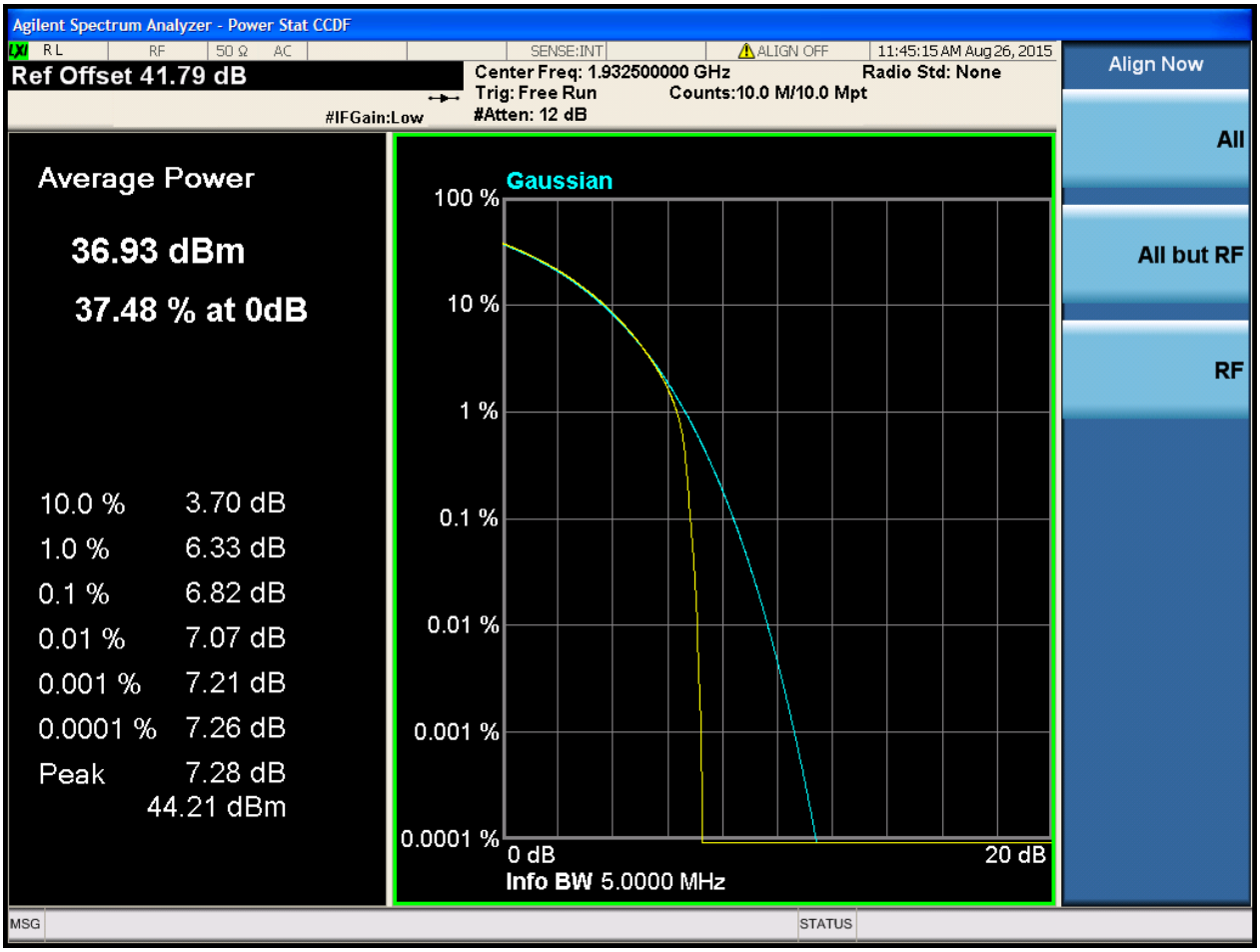
2.1.6 1U_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
1985.1	1990.1	1	RMS	1987.42 M	31.55	62	Pass	1001

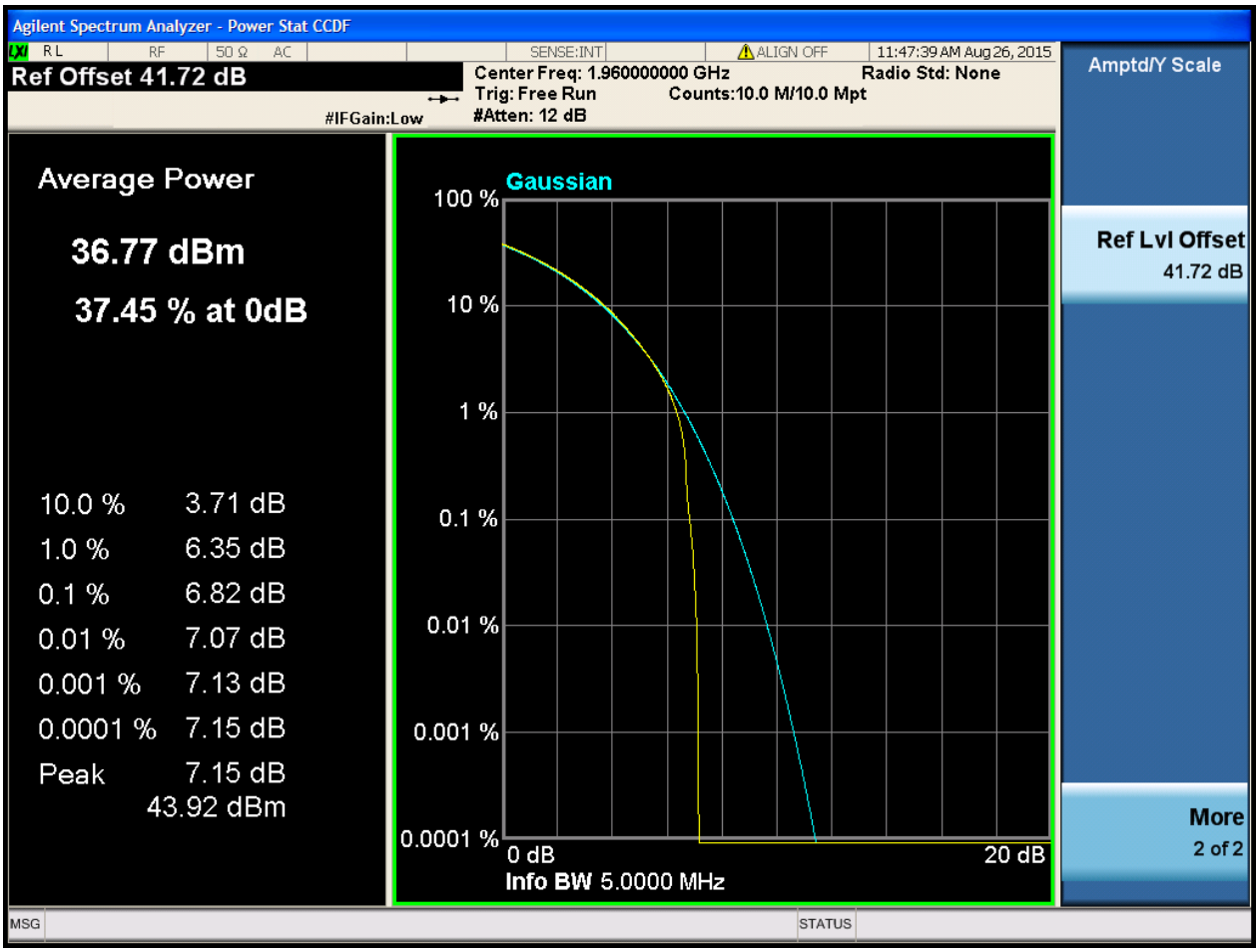


2.2 Peak-to-Average Ratio

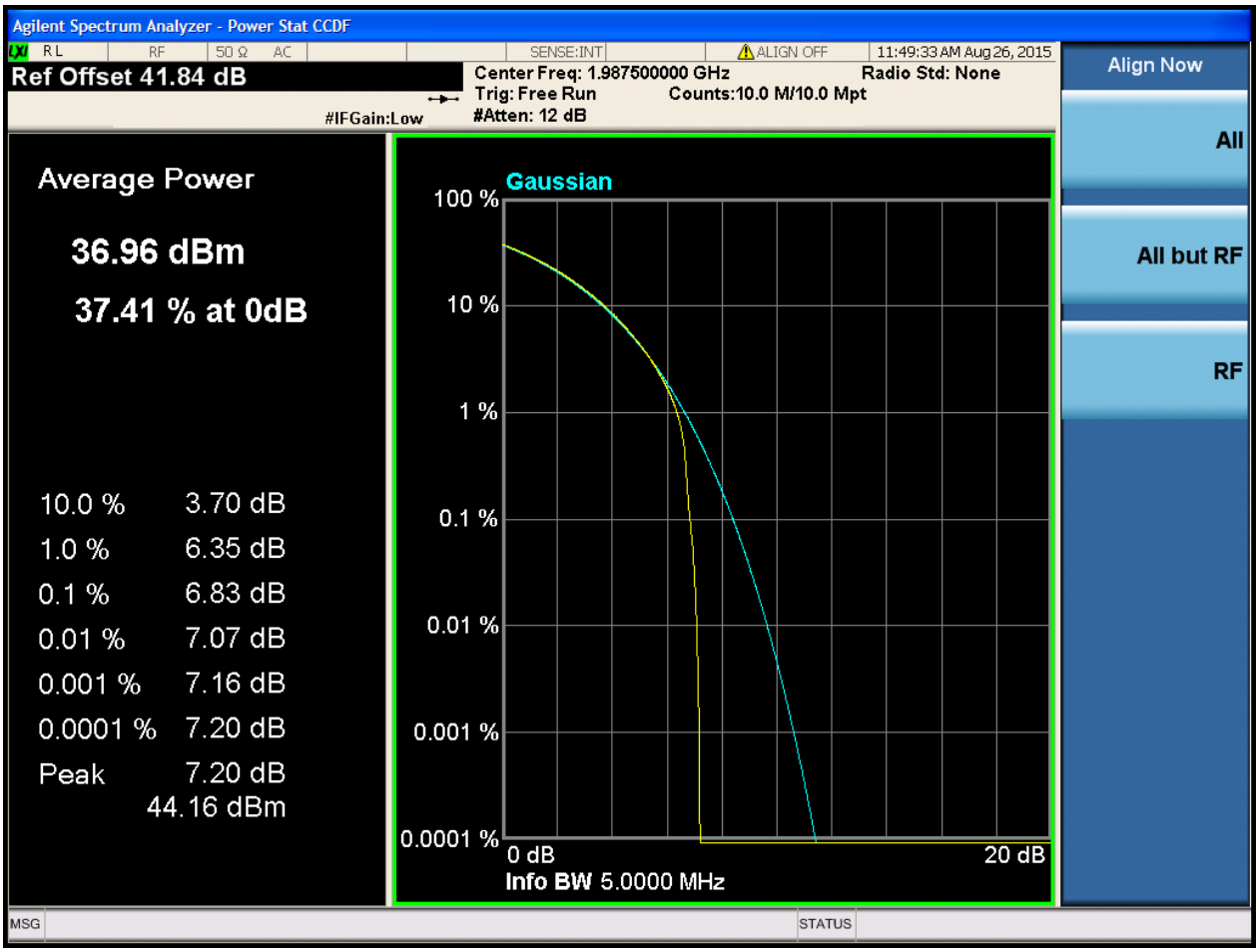
2.2.1 1L_ 5M_B



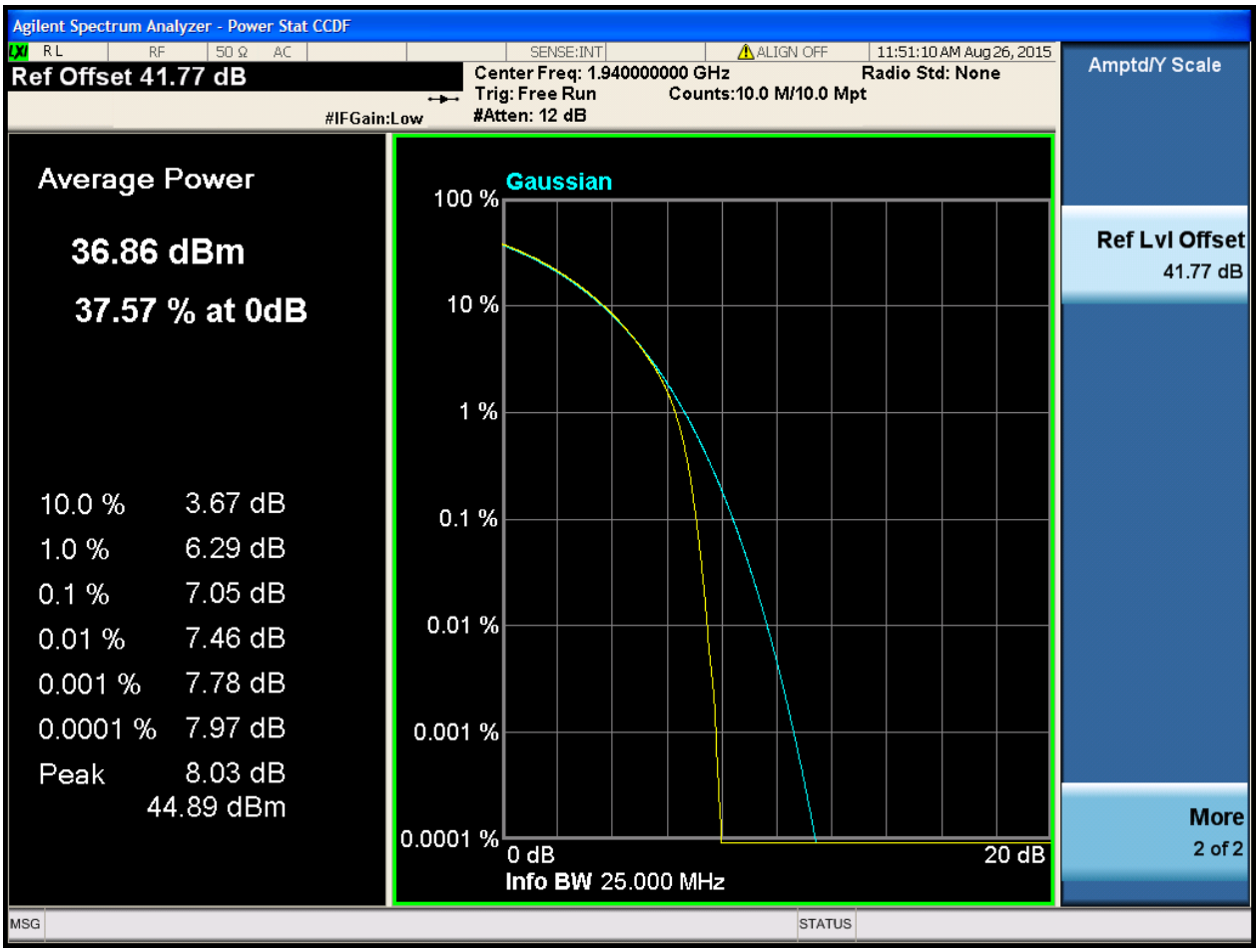
2.2.2 1L_ 5M _M



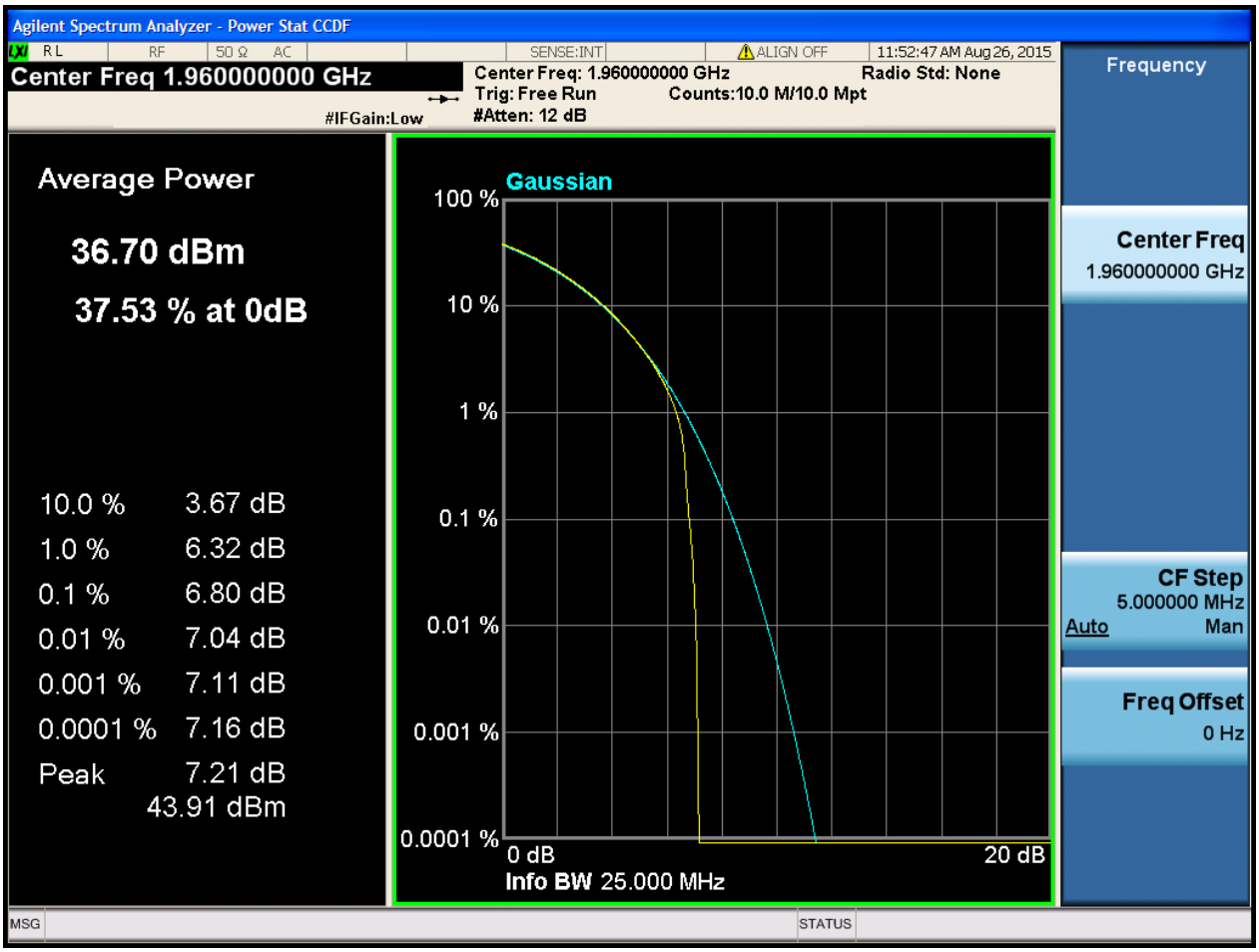
2.2.3 1L_ 5M _T



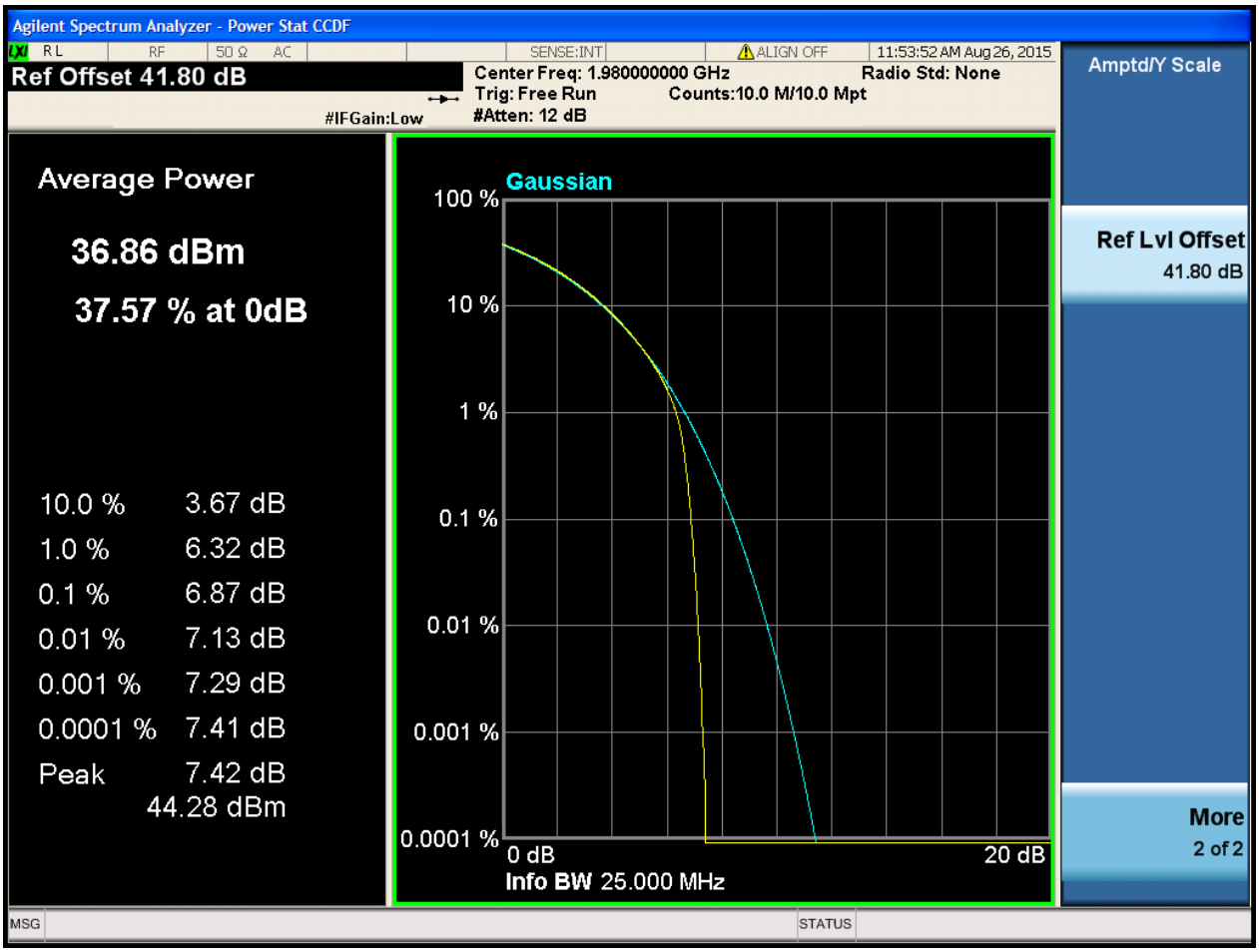
2.2.4 1L_ 20M _B



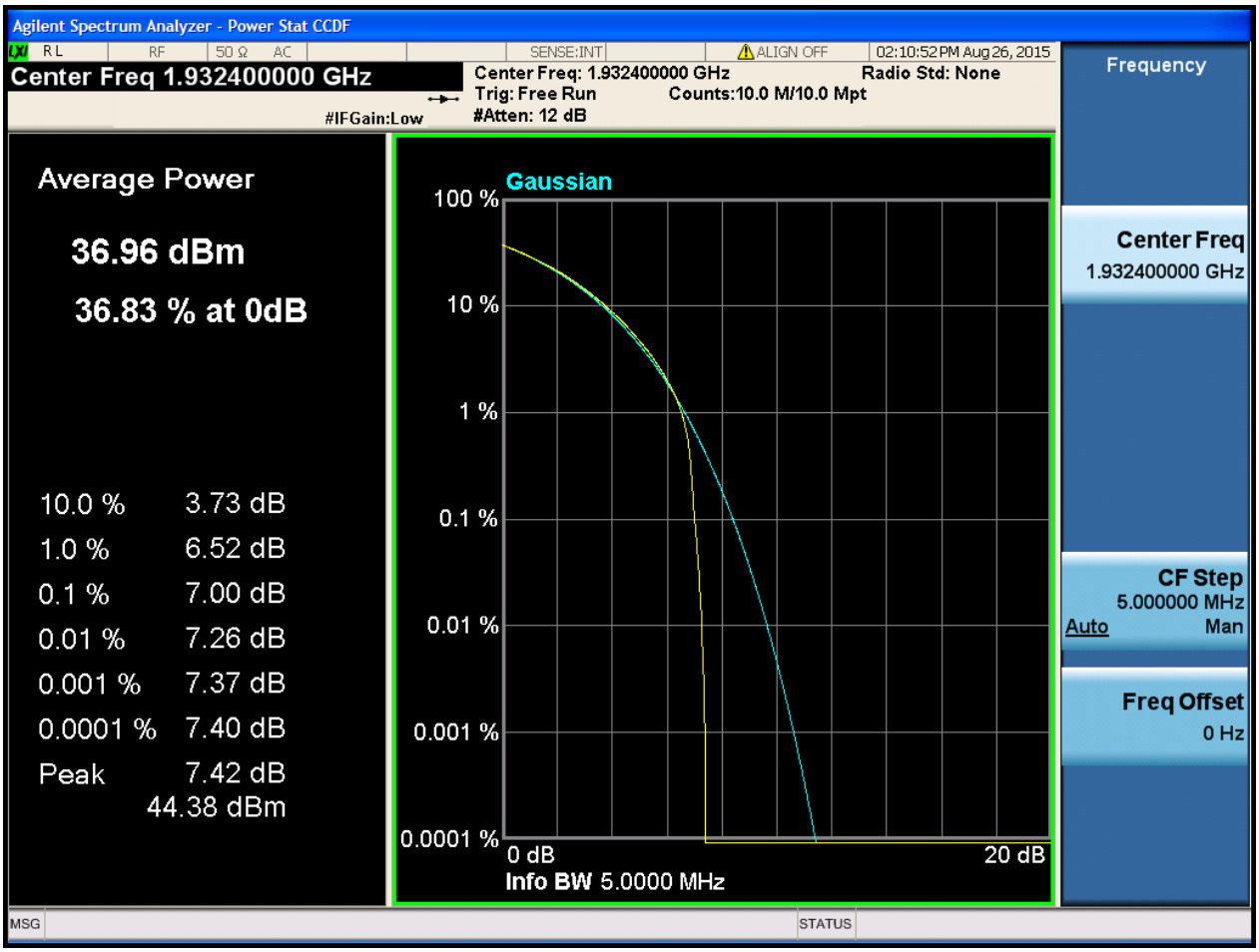
2.2.5 1L_ 20M _M



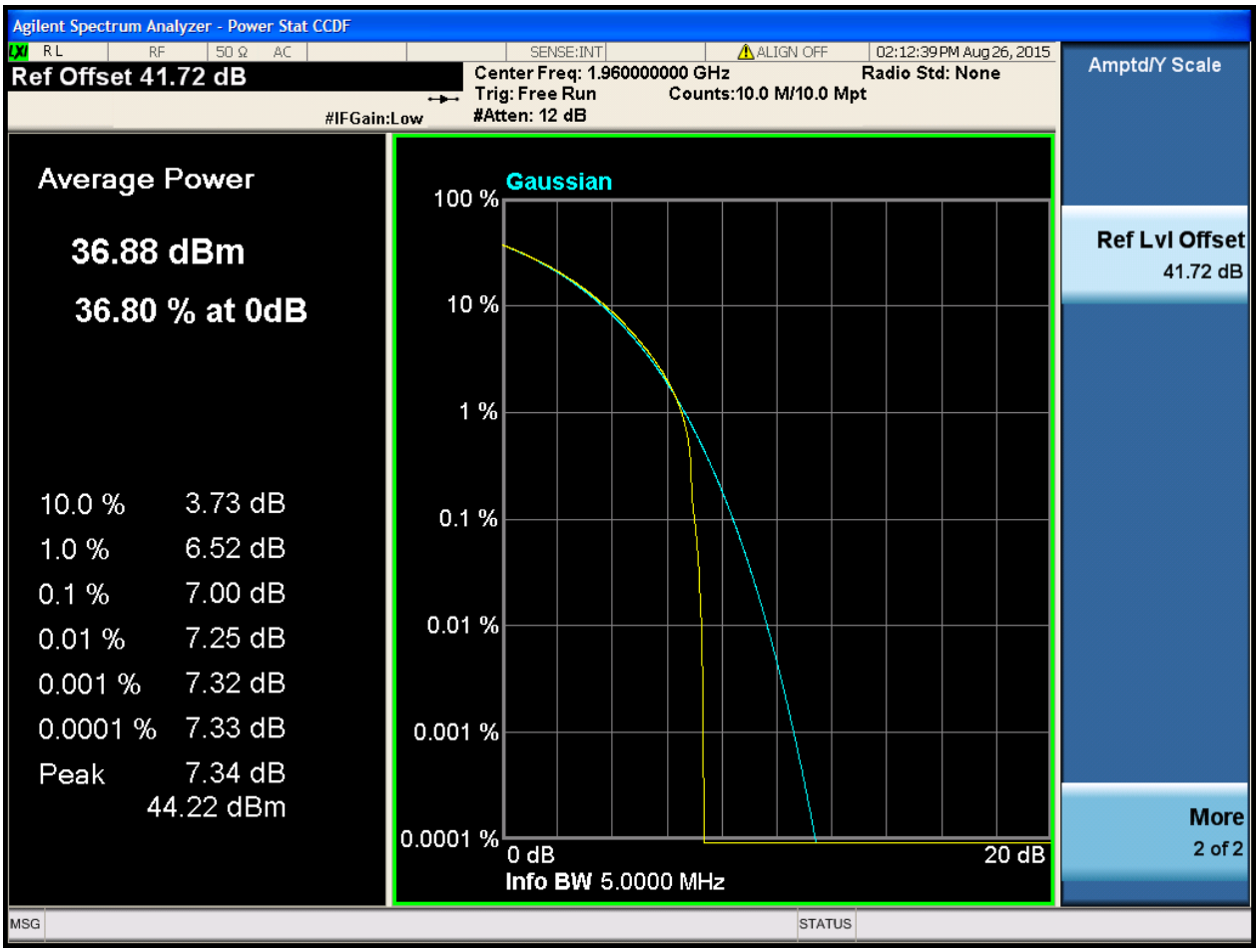
2.2.6 1L_ 20M _T



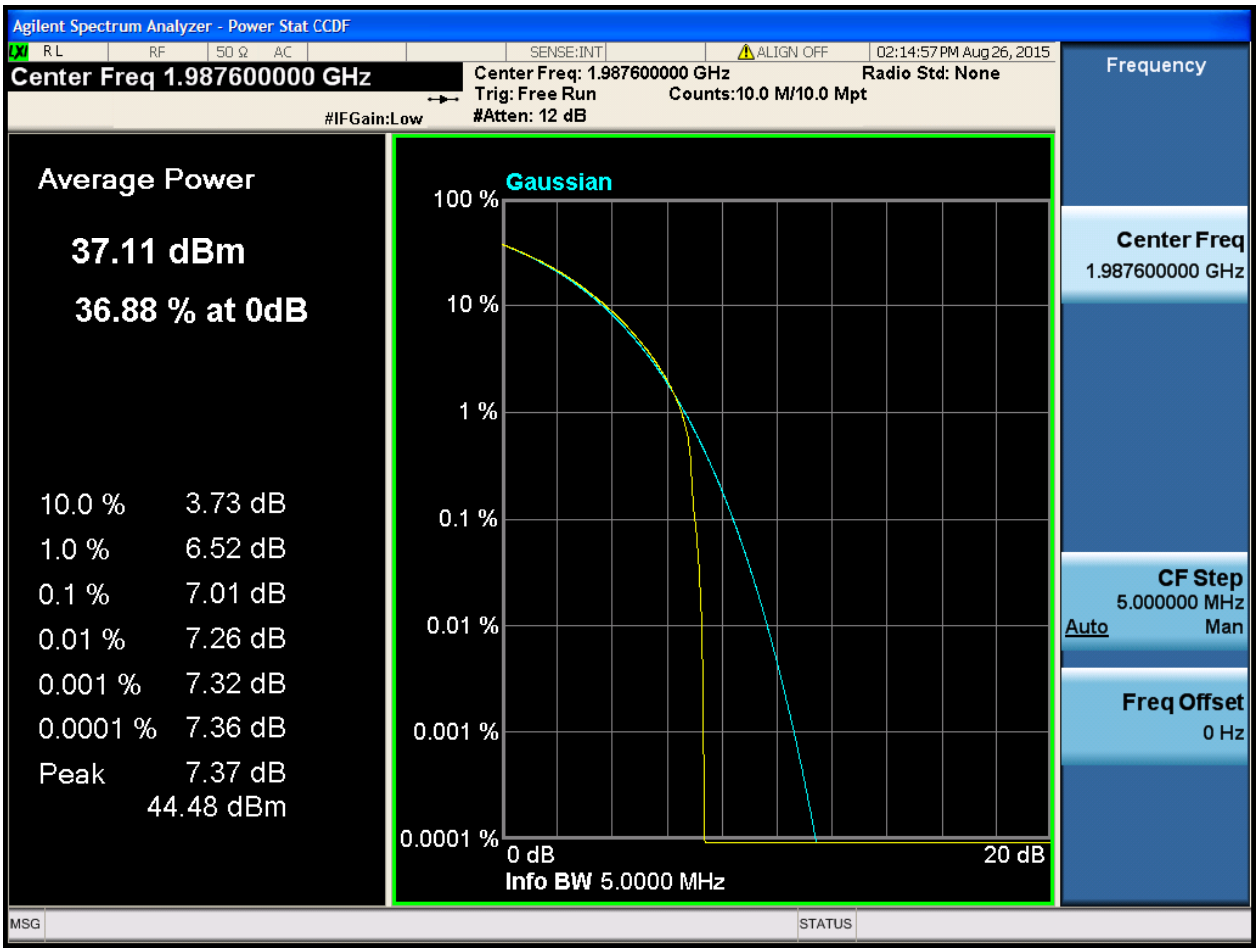
2.2.7 1U_B



2.2.8 1U_M



2.2.9 1U_T



Appendix B1: Bandwidth

1 Result Table

1.1 Occupied Bandwidth

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1L_ 5M_B	4.481645	---
1L_ 5M _M	4.482847	---
1L_ 5M _T	4.48262	---
1L_ 10M_B	8.951483	---
1L_ 10M _M	8.95273	---
1L_ 10M_T	8.954211	---
1L_ 15M_B	13.41586	---
1L_ 15M _M	13.419284	---
1L_ 15M_T	13.419336	---
1L_ 20M_B	17.869523	---
1L_ 20M _M	17.875563	---
1L_ 20M_T	17.872749	---
1U_B	4.135718	---
1U_M	4.139487	---
1U_T	4.135976	---

1.2 Emission Bandwidth

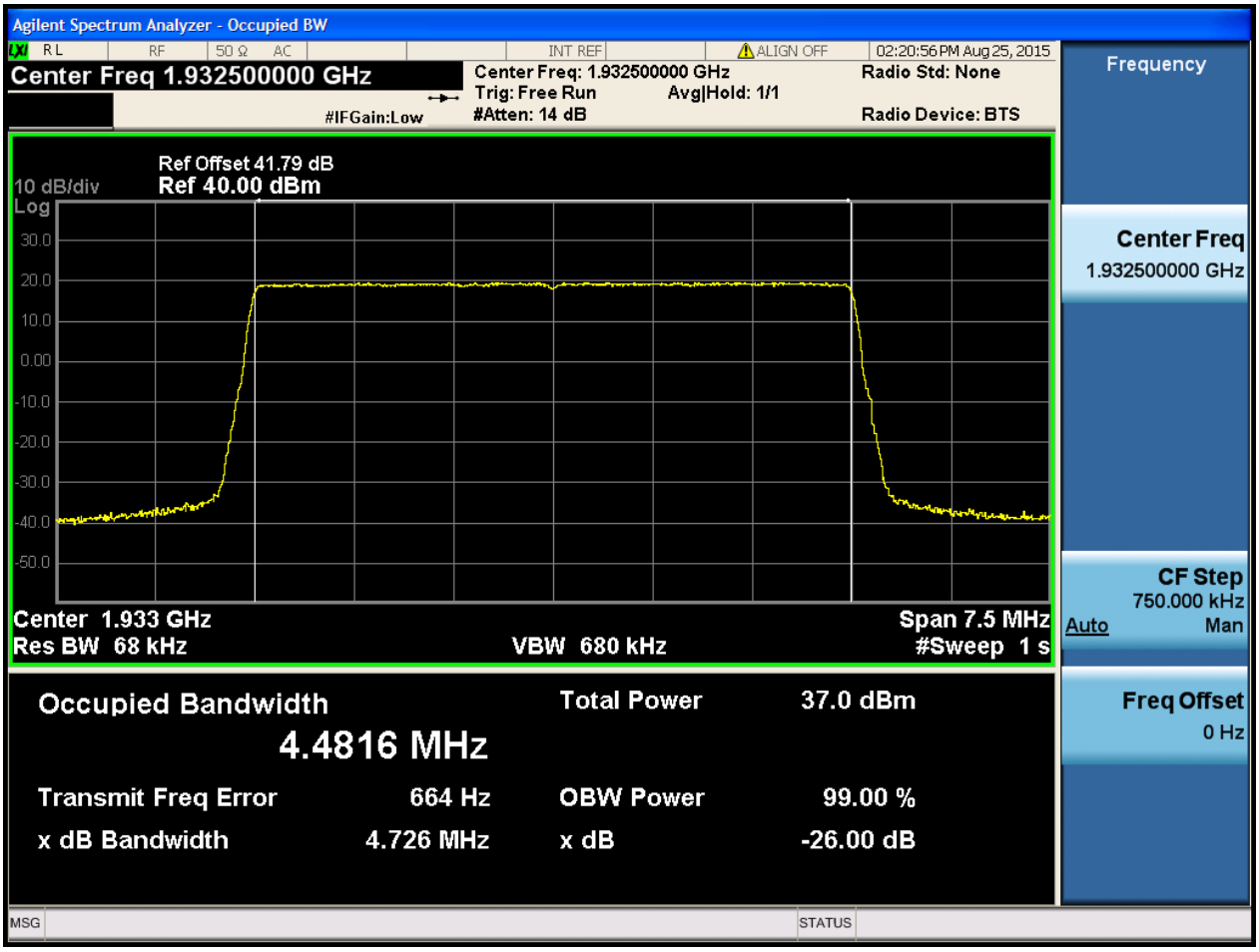
EUT Conf.	Emission Bandwidth, -20 dBc [MHz]	Emission Bandwidth, -26 dBc [MHz]	Verdict
1L_ 5M_B	4.732544	4.777472	---
1L_ 5M _M	4.724992	4.76992	---
1L_ 5M _T	4.724992	4.785024	---
1L_ 10M_B	9.236096	9.38624	---
1L_ 10M _M	9.246208	9.416192	---
1L_ 10M_T	9.256192	9.396224	---
1L_ 15M_B	13.746176	13.966208	---
1L_ 15M _M	13.746176	14.036224	---
1L_ 15M_T	13.75616	13.986304	---
1L_ 20M_B	18.296064	18.66624	---
1L_ 20M _M	18.23616	18.676224	---
1L_ 20M_T	18.246144	18.676224	---
1U_B	4.560128	4.649984	---
1U_M	4.552448	4.657536	---
1U_T	4.545024	4.649984	---

2 Test Plot

2.1 Occupied Bandwidth

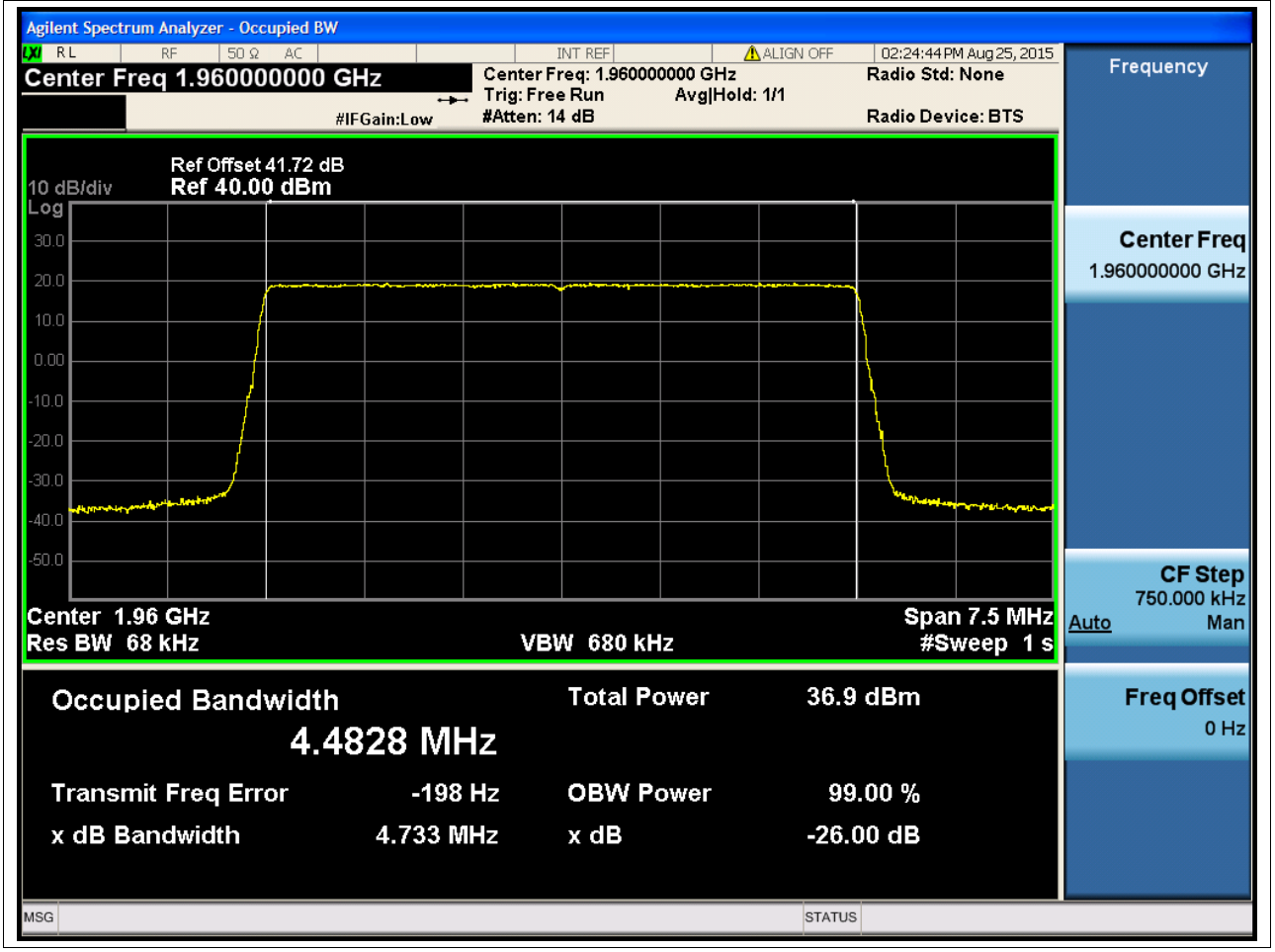
2.1.1 1L_ 5M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1932.5	99	Auto	RMS	4.481645	No Conclusion



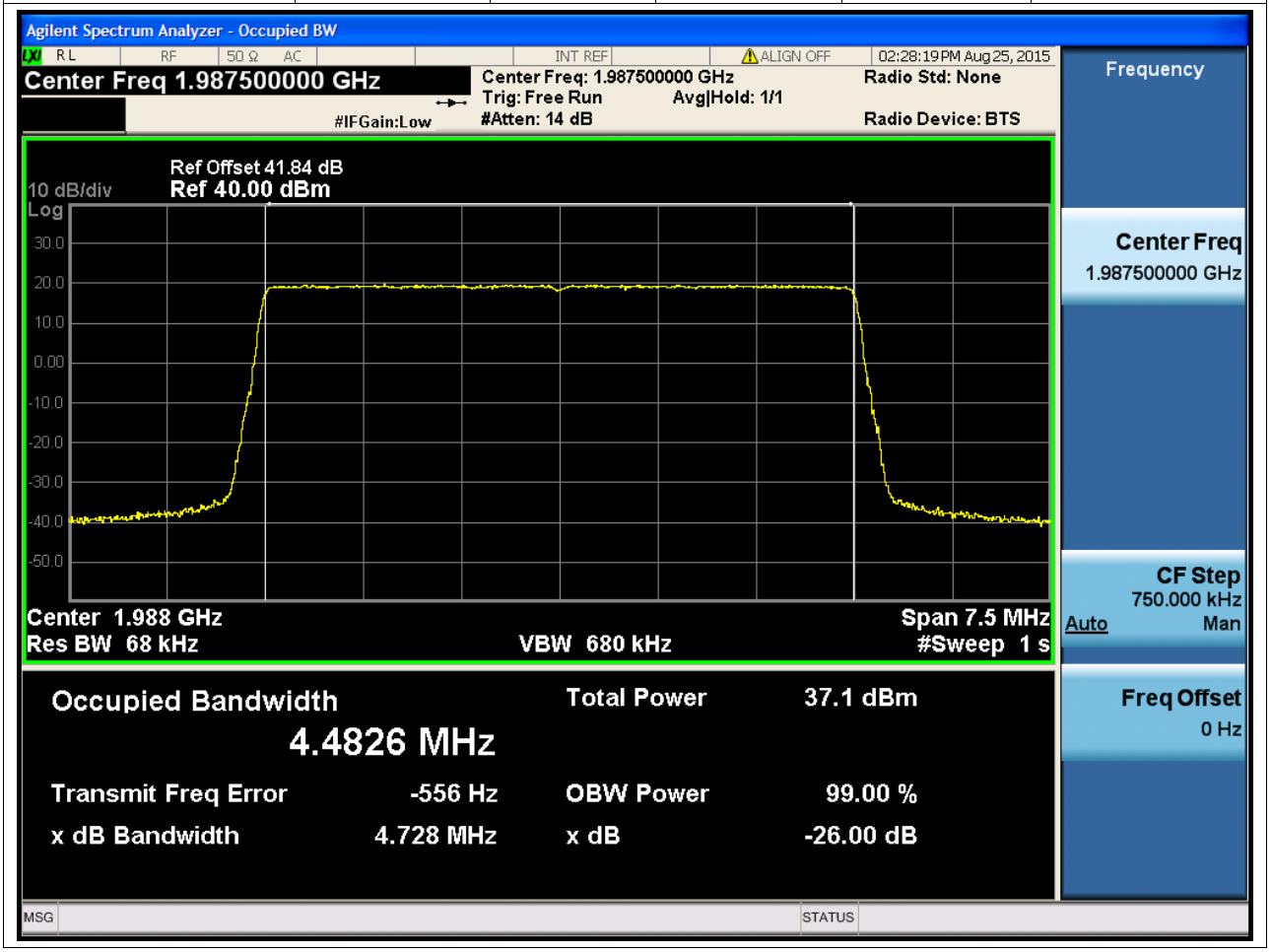
2.1.2 1L_ 5M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	4.482847	No Conclusion



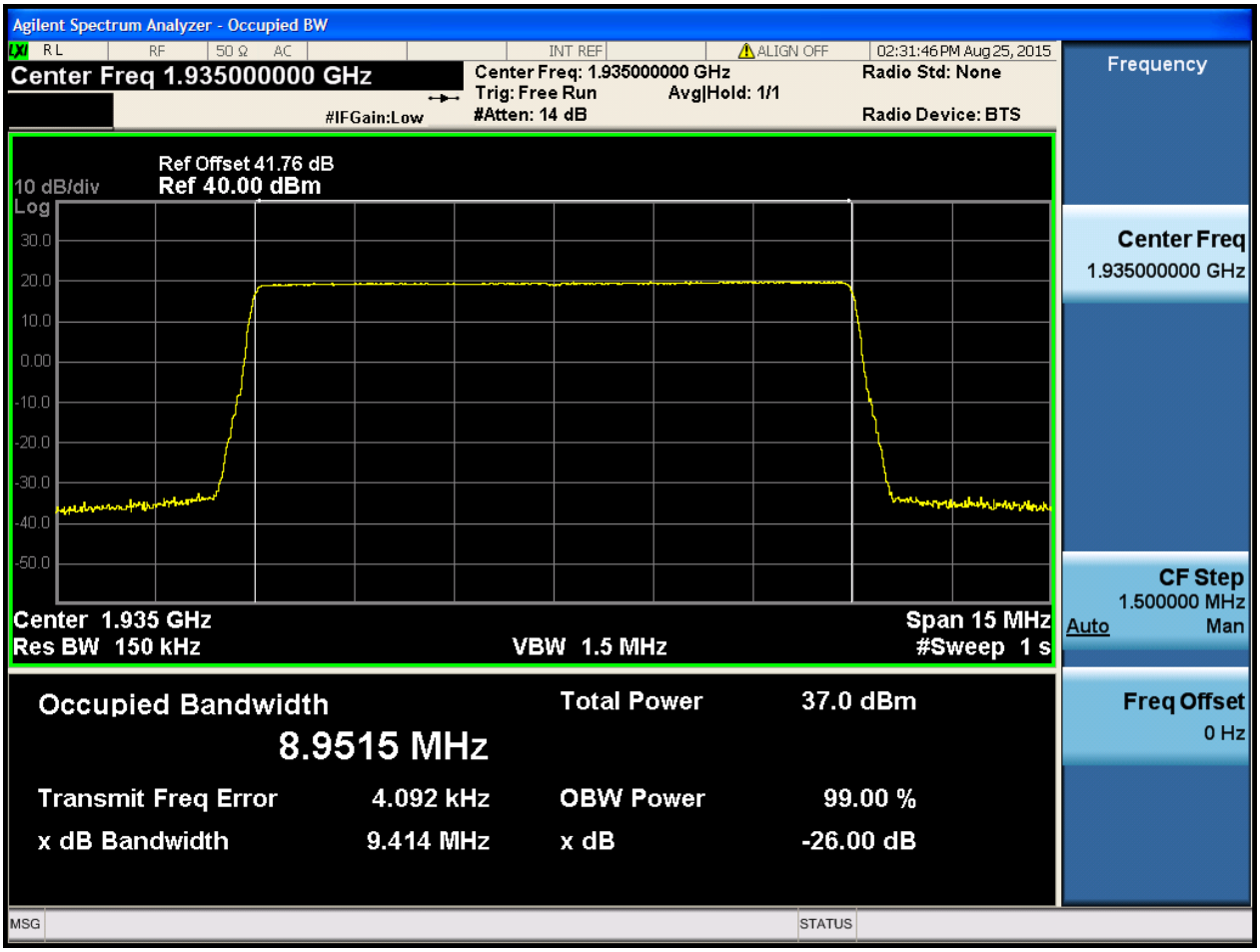
2.1.3 1L_ 5M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1987.5	99	Auto	RMS	4.48262	No Conclusion



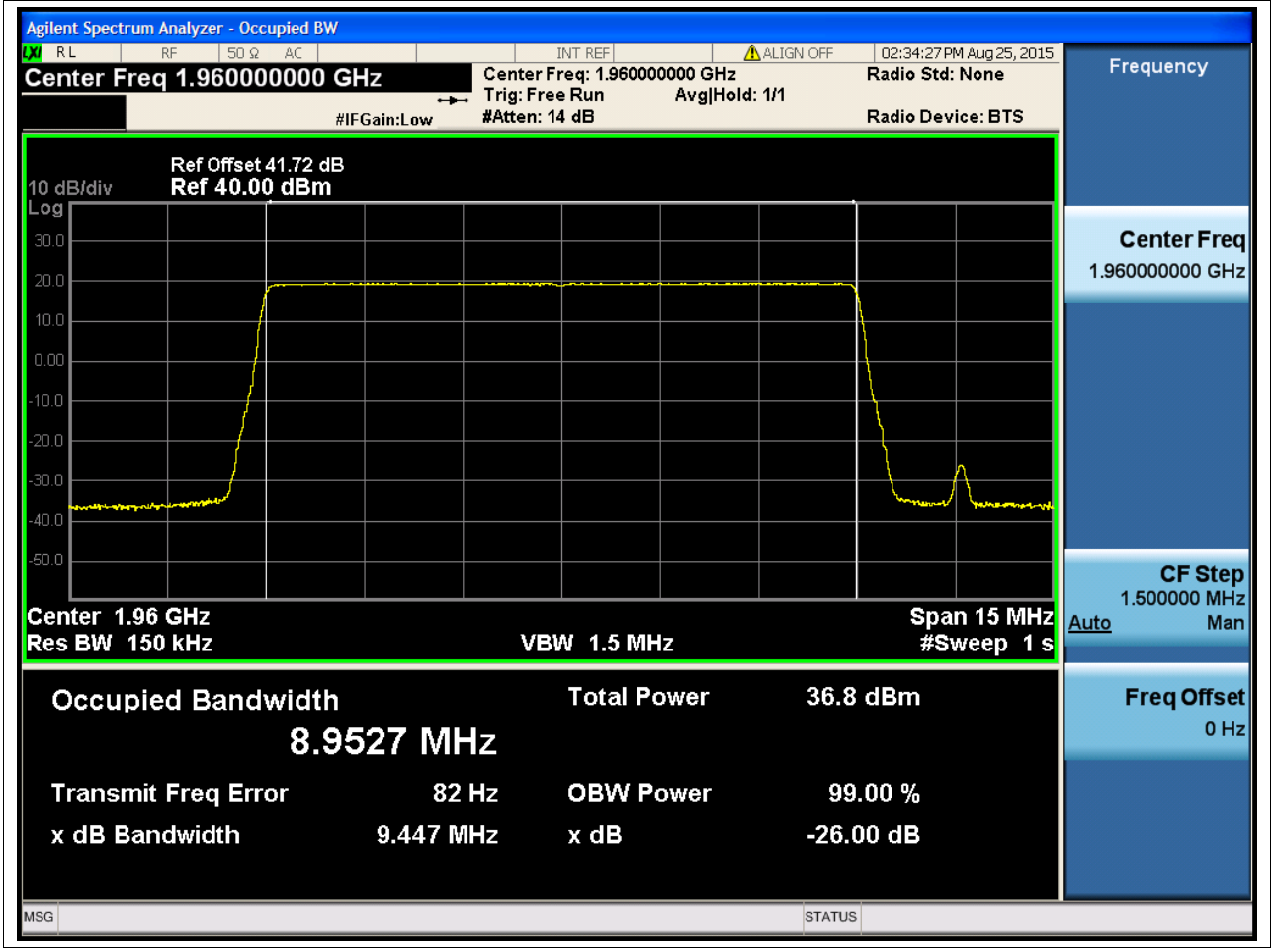
2.1.4 1L_ 10M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1935	99	Auto	RMS	8.951483	No Conclusion



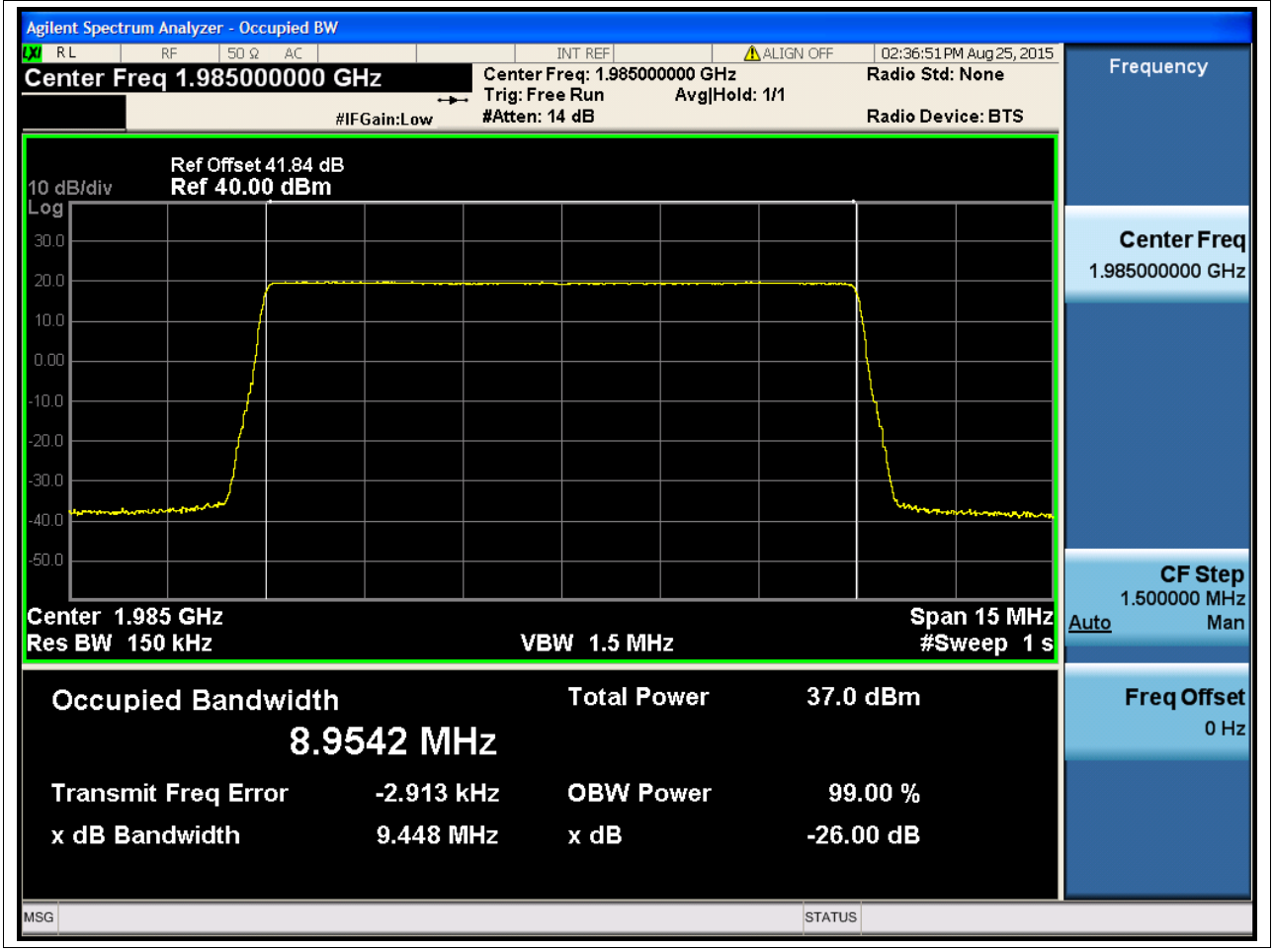
2.1.5 1L_ 10M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	8.95273	No Conclusion



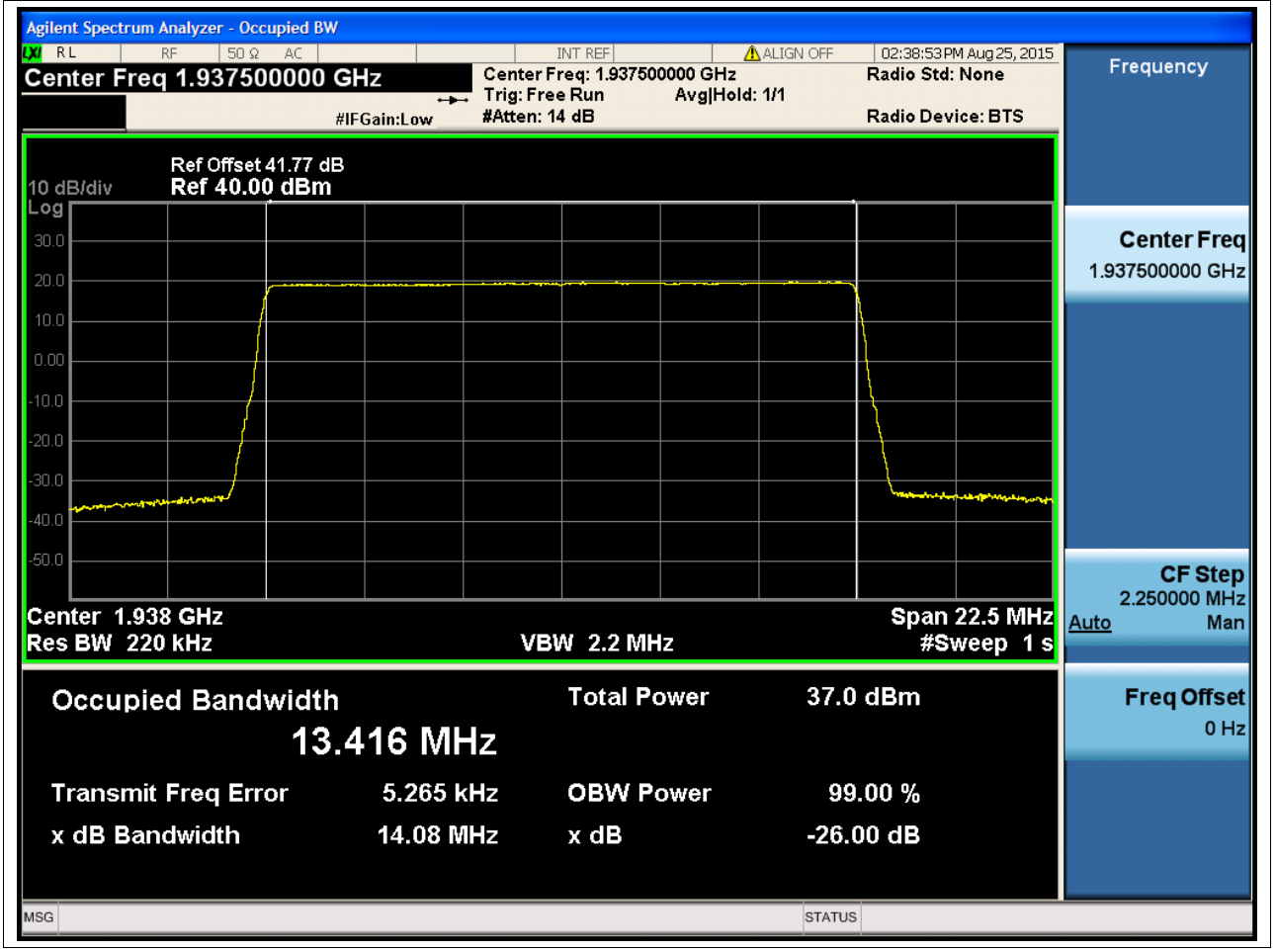
2.1.6 1L_ 10M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1985	99	Auto	RMS	8.954211	No Conclusion



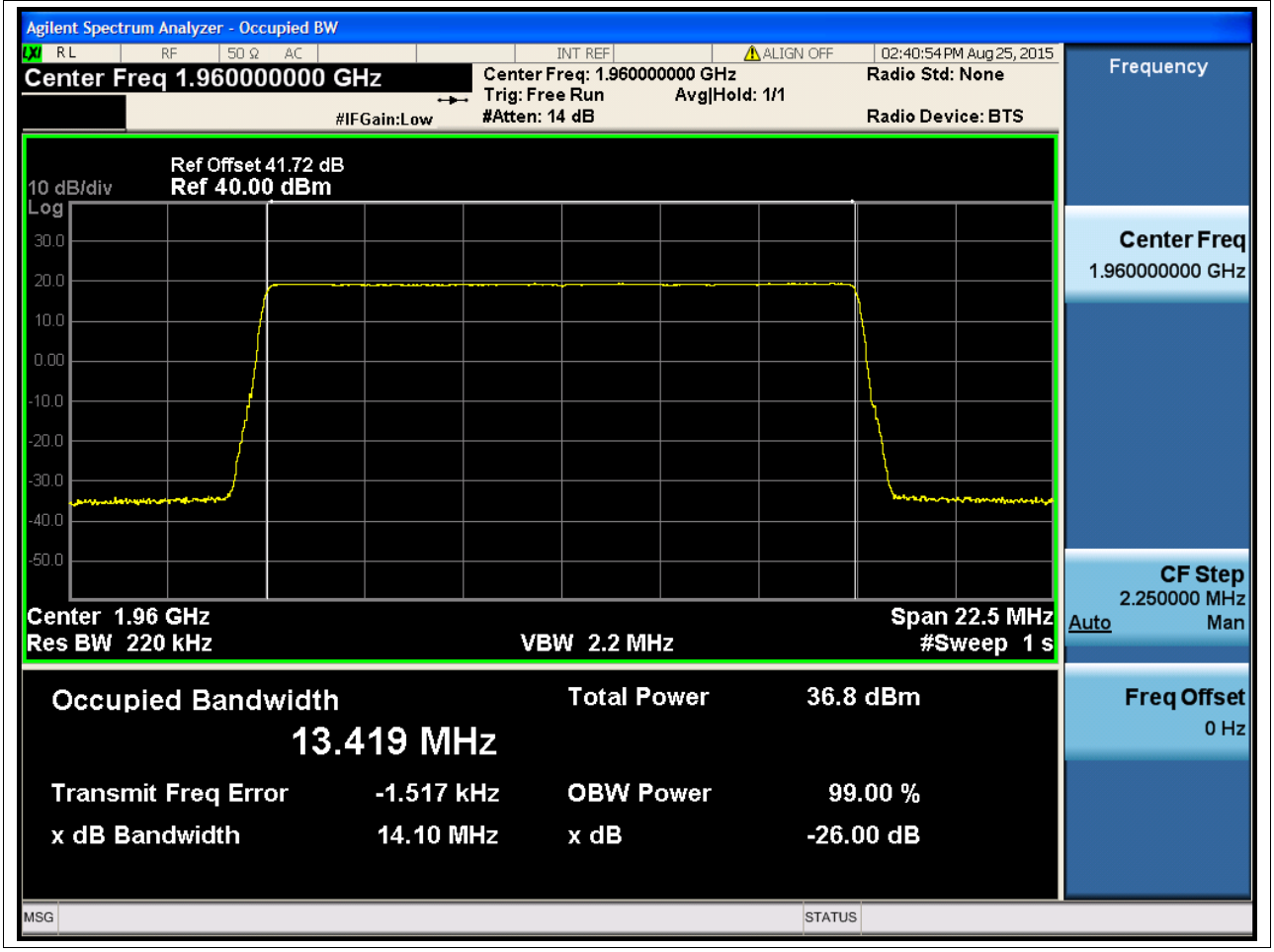
2.1.7 1L_ 15M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1937.5	99	Auto	RMS	13.41586	No Conclusion



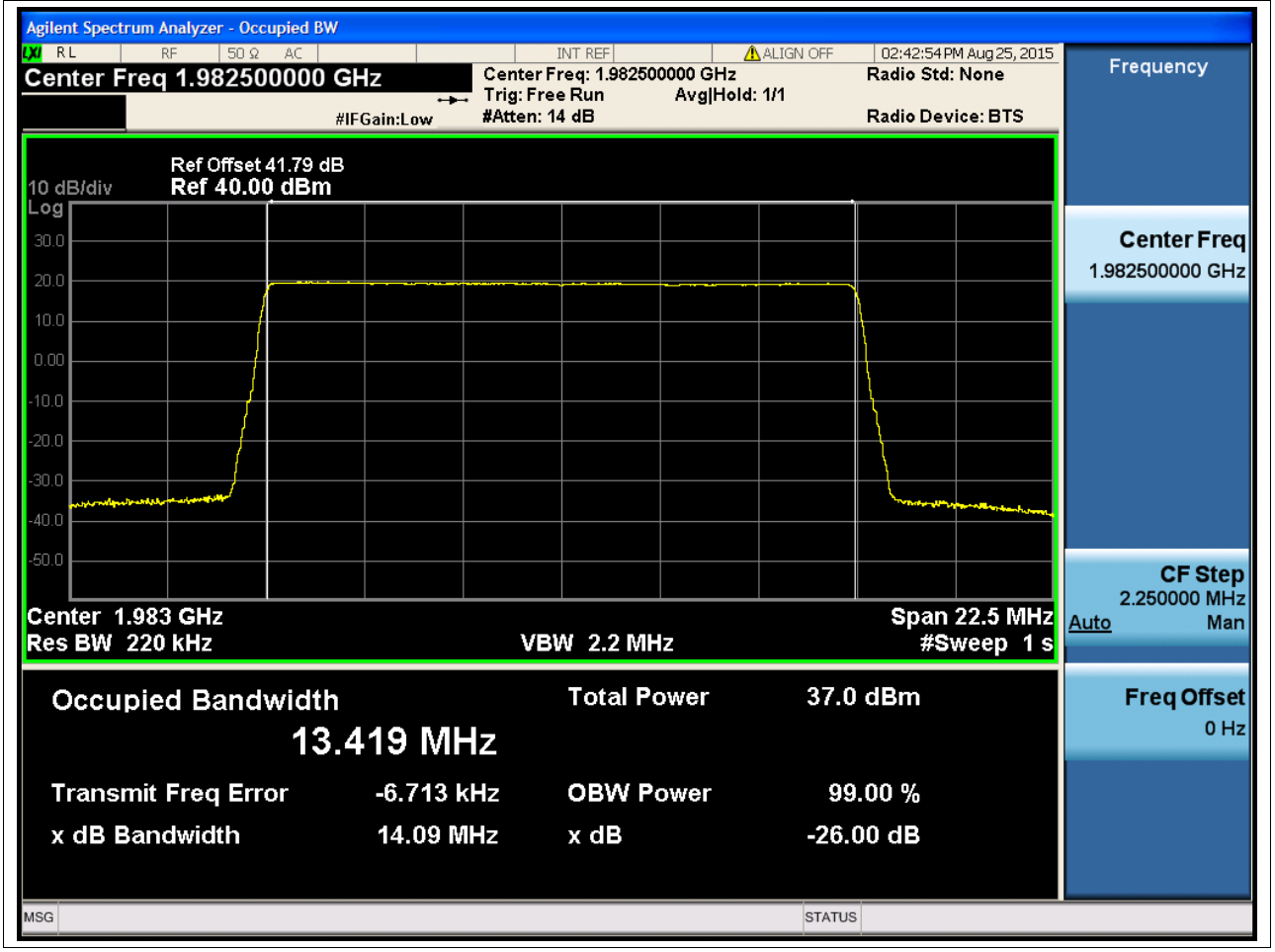
2.1.8 1L_ 15M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	13.419284	No Conclusion



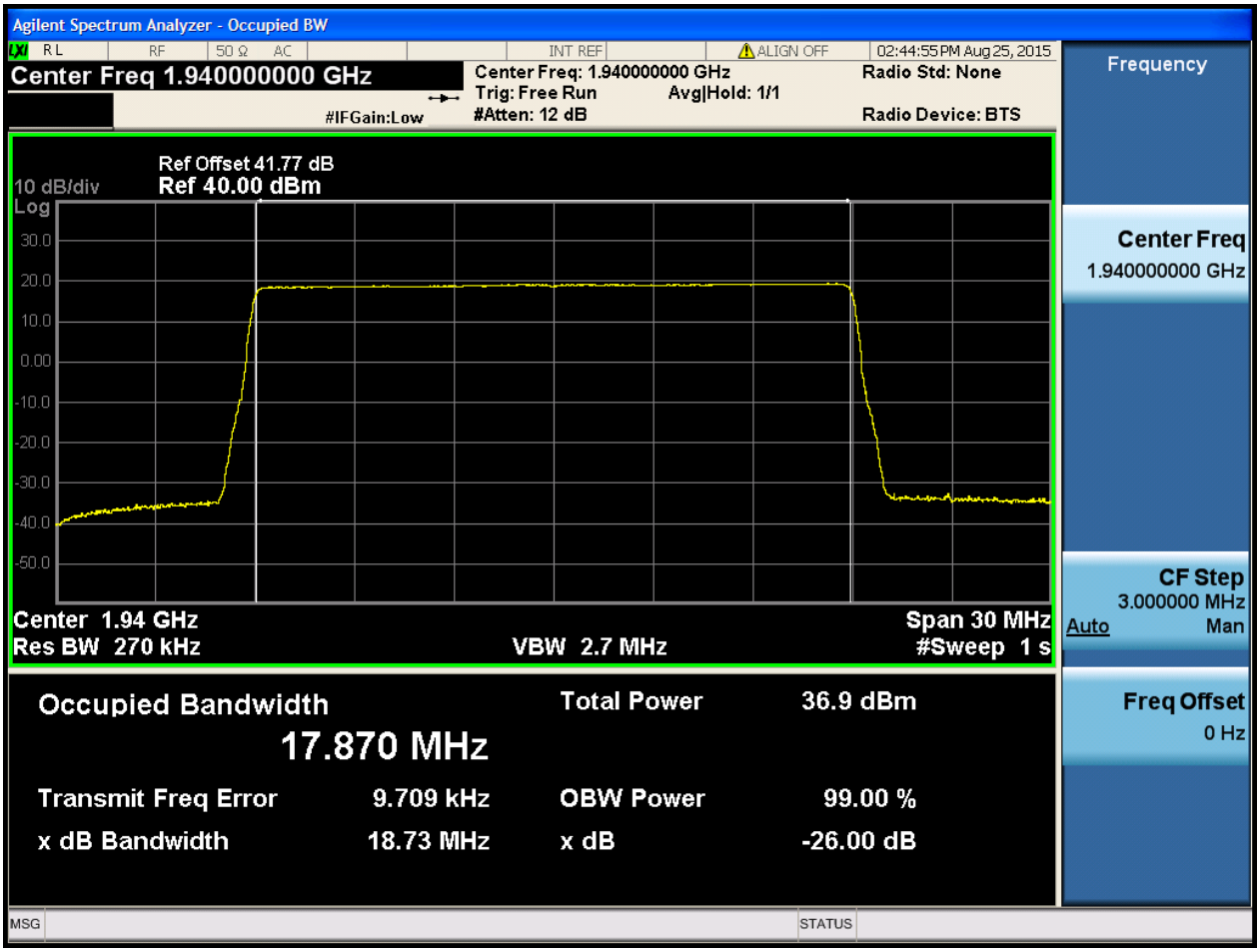
2.1.9 1L_ 15M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1982.5	99	Auto	RMS	13.419336	No Conclusion



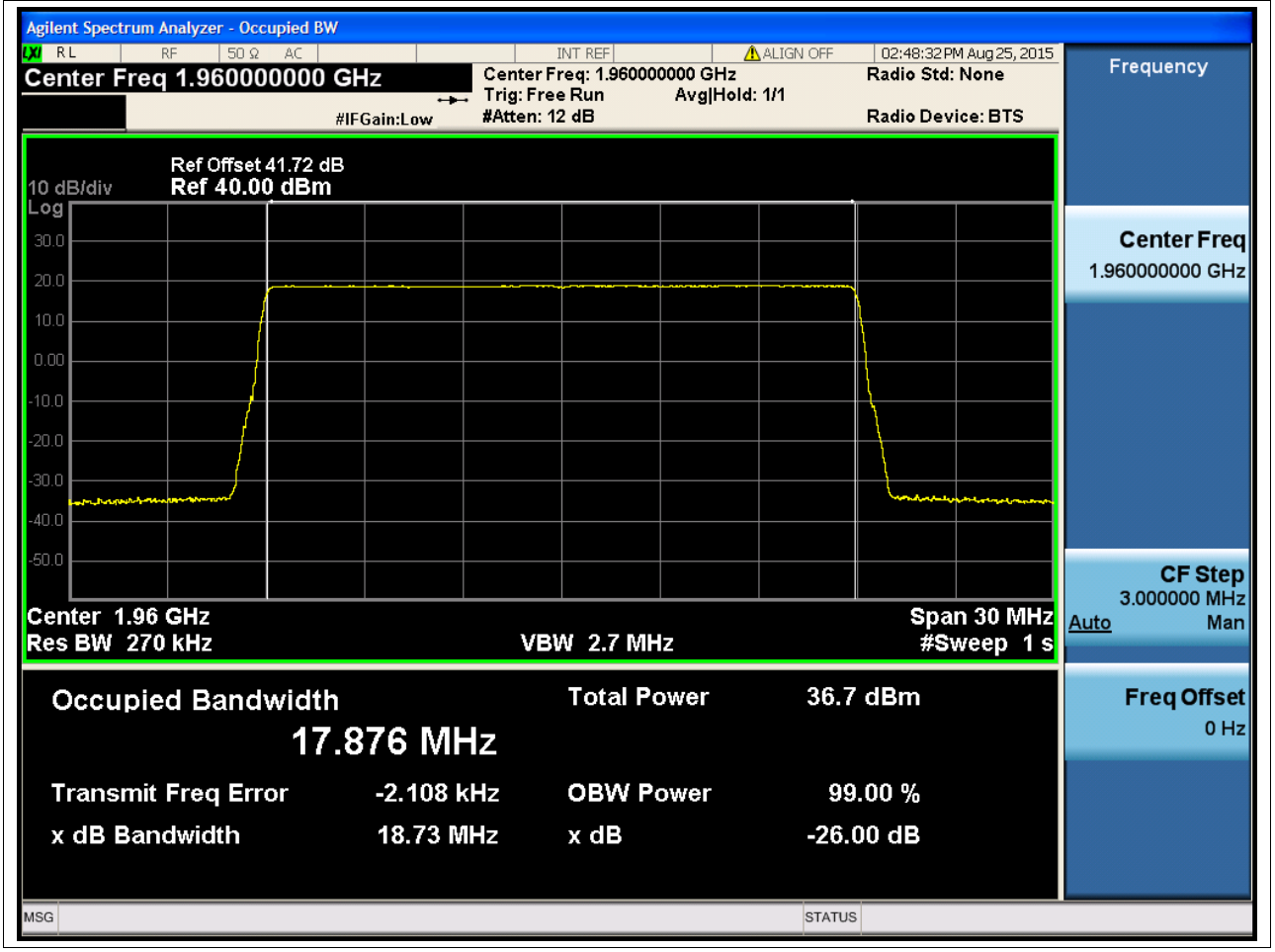
2.1.10 1L_ 20M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1940	99	Auto	RMS	17.869523	No Conclusion



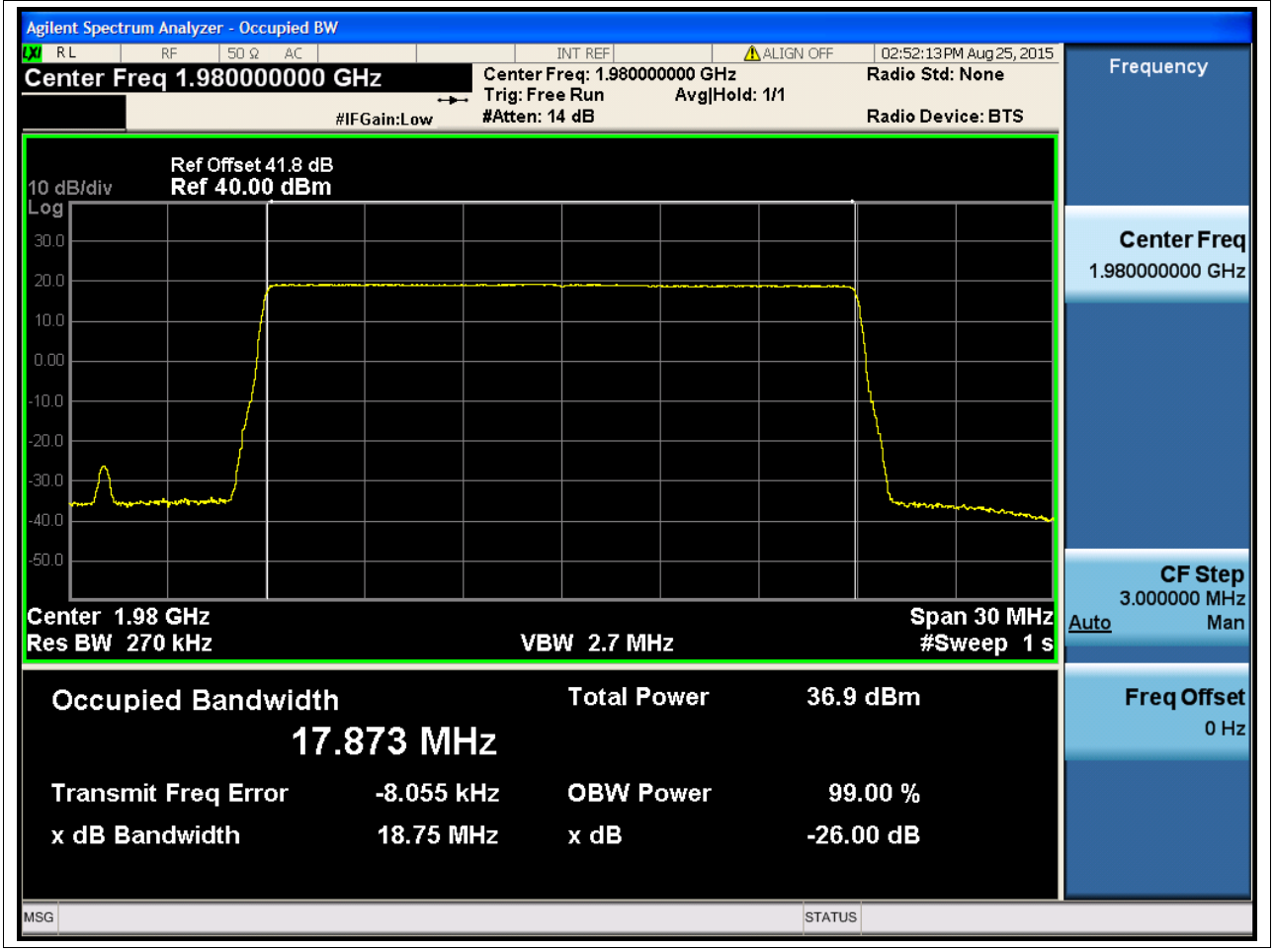
2.1.11 1L_ 20M _M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	17.875563	No Conclusion



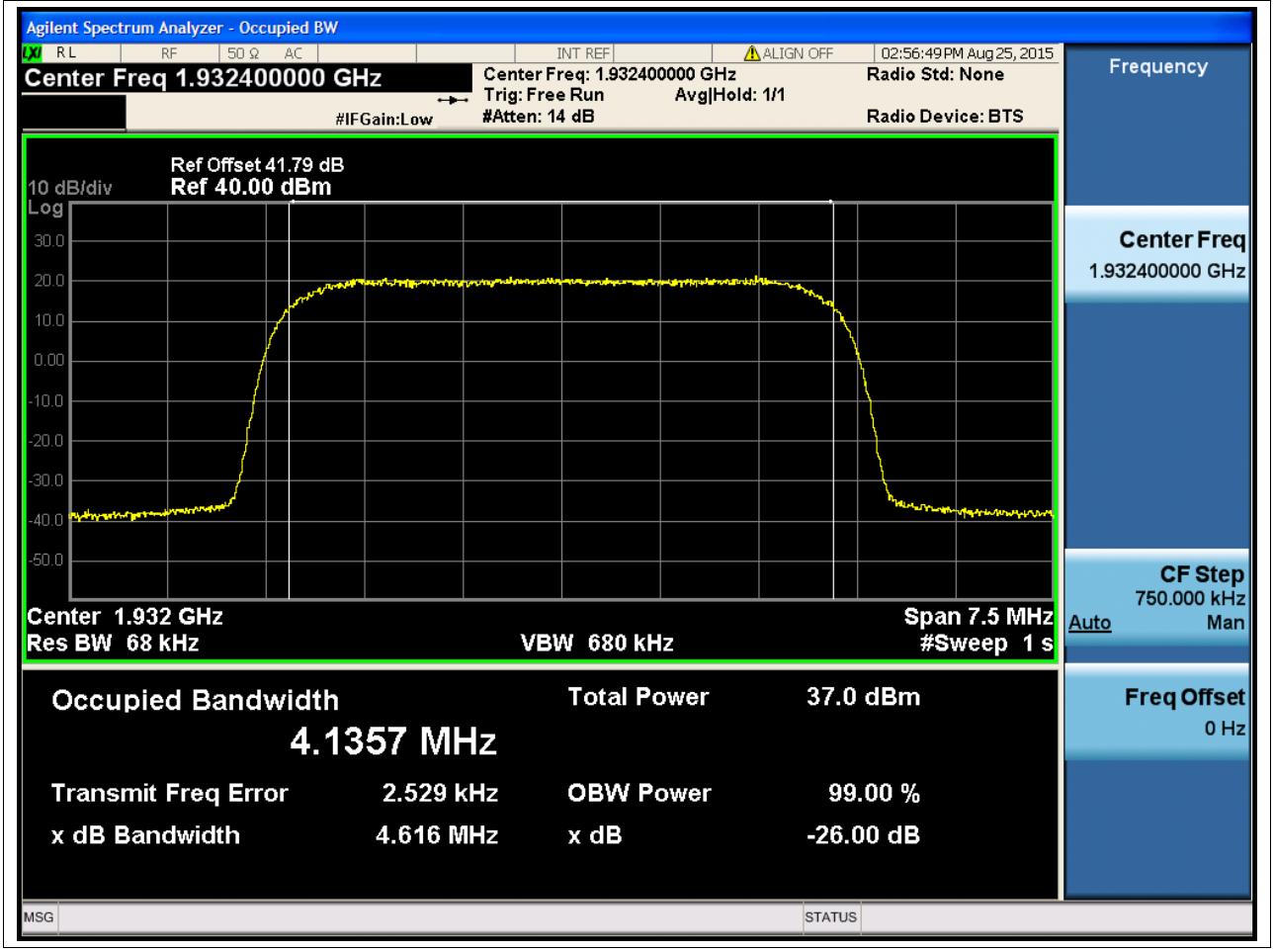
2.1.12 1L_ 20M _T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1980	99	Auto	RMS	17.872749	No Conclusion



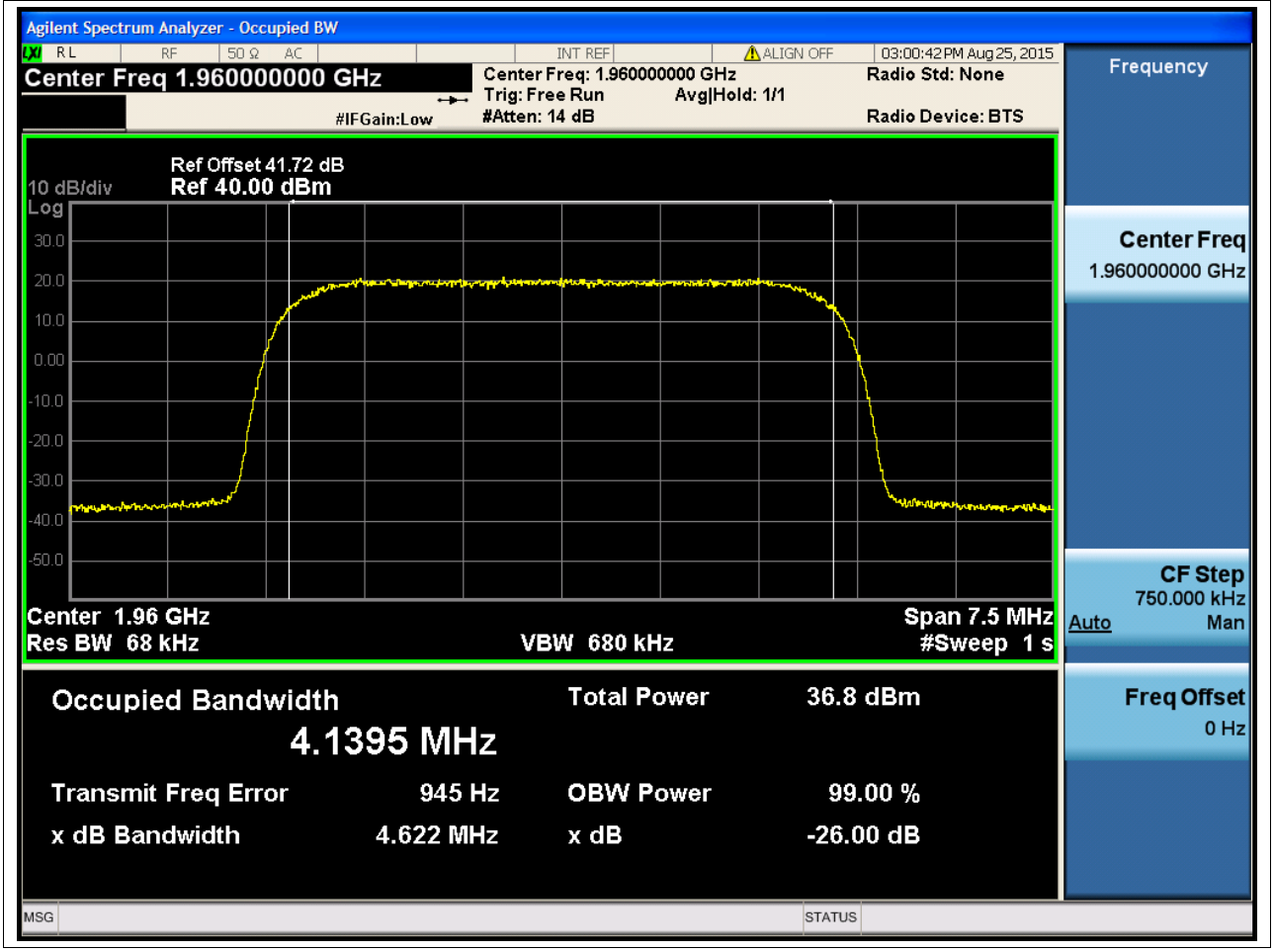
2.1.13 1U_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1932.4	99	Auto	RMS	4.135718	No Conclusion



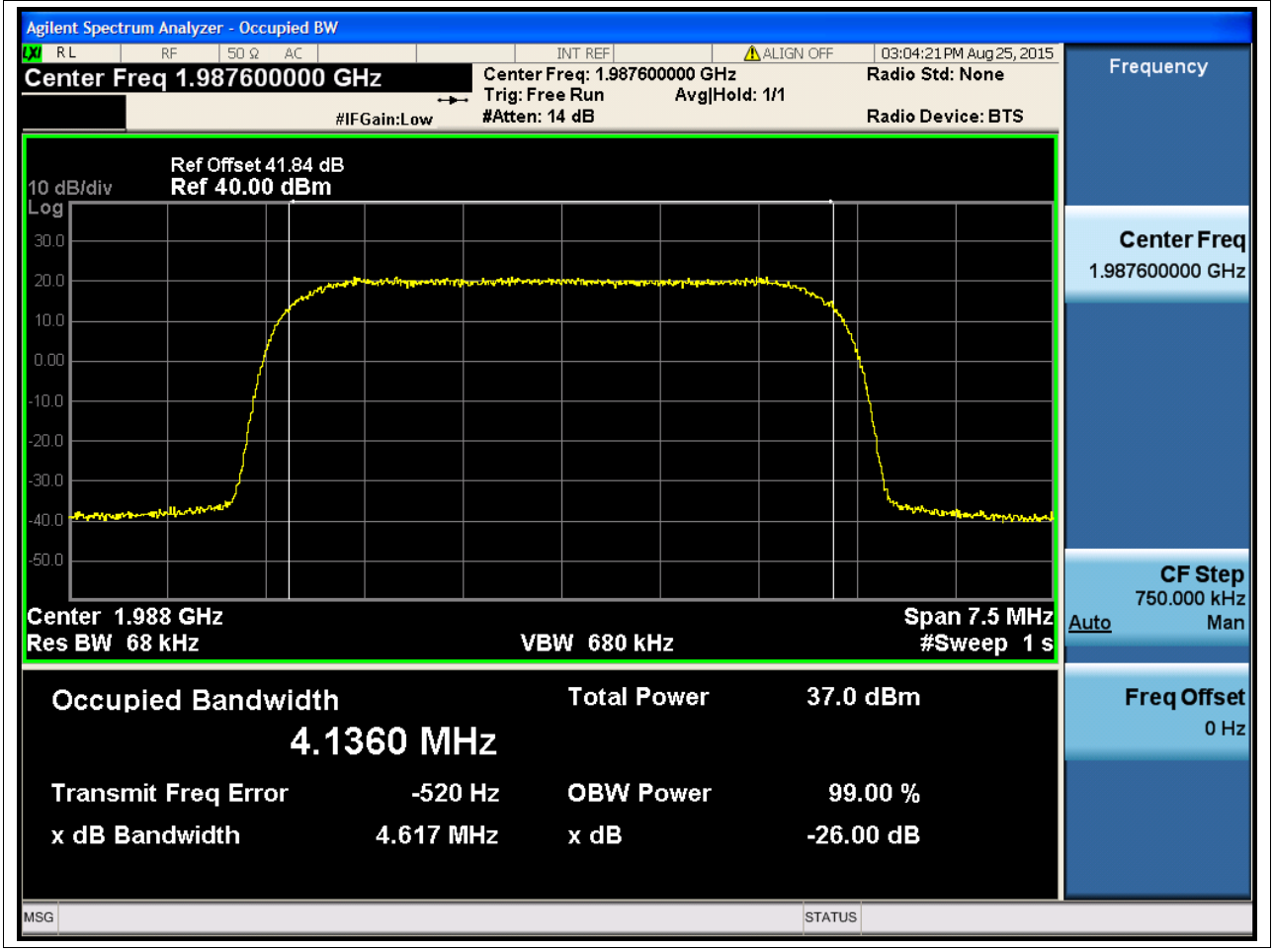
2.1.14 1U_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1960	99	Auto	RMS	4.139487	No Conclusion



2.1.15 1U_T

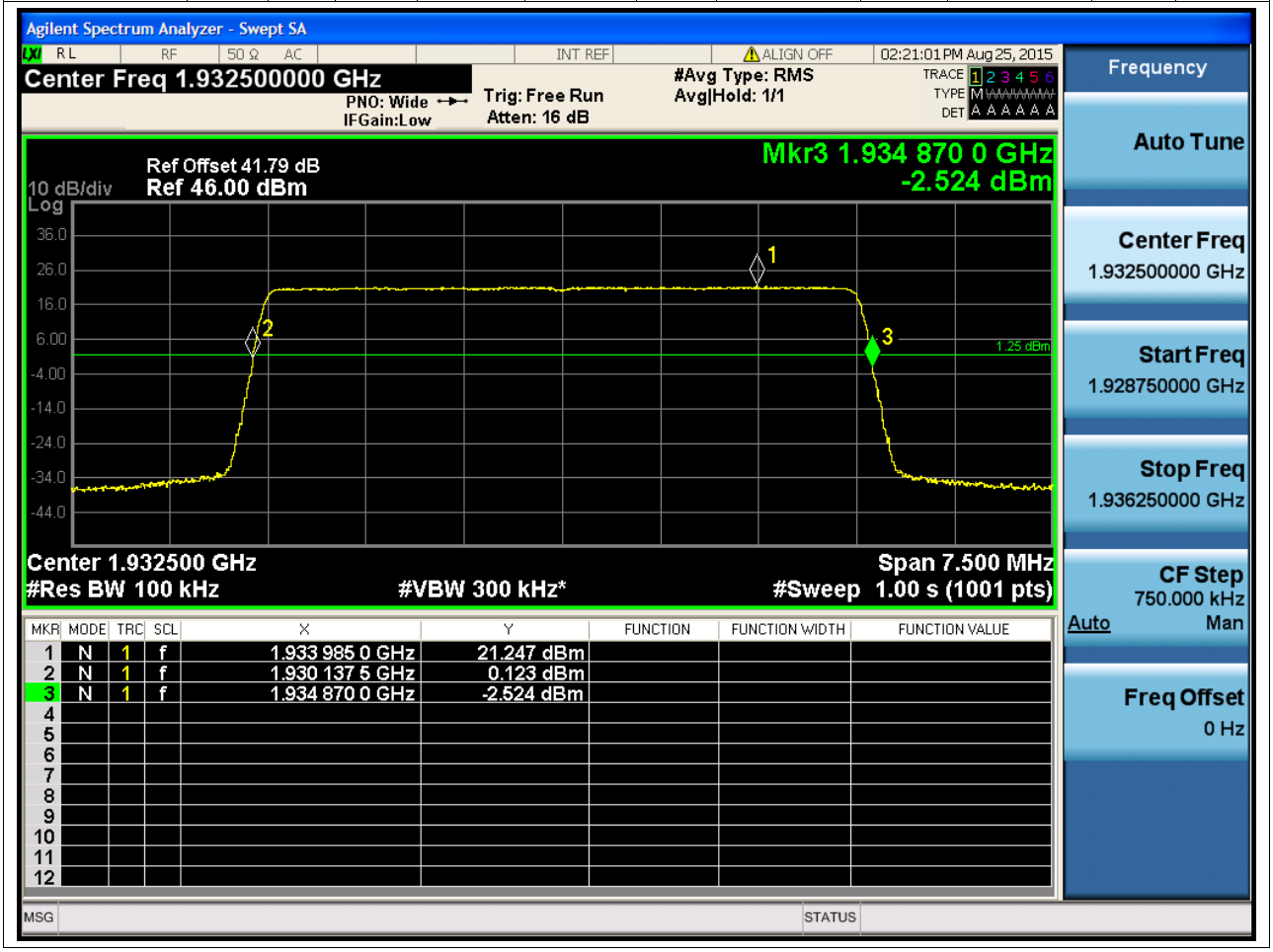
Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
1987.6	99	Auto	RMS	4.135976	No Conclusion



2.2 Emission Bandwidth(-20 dBc)

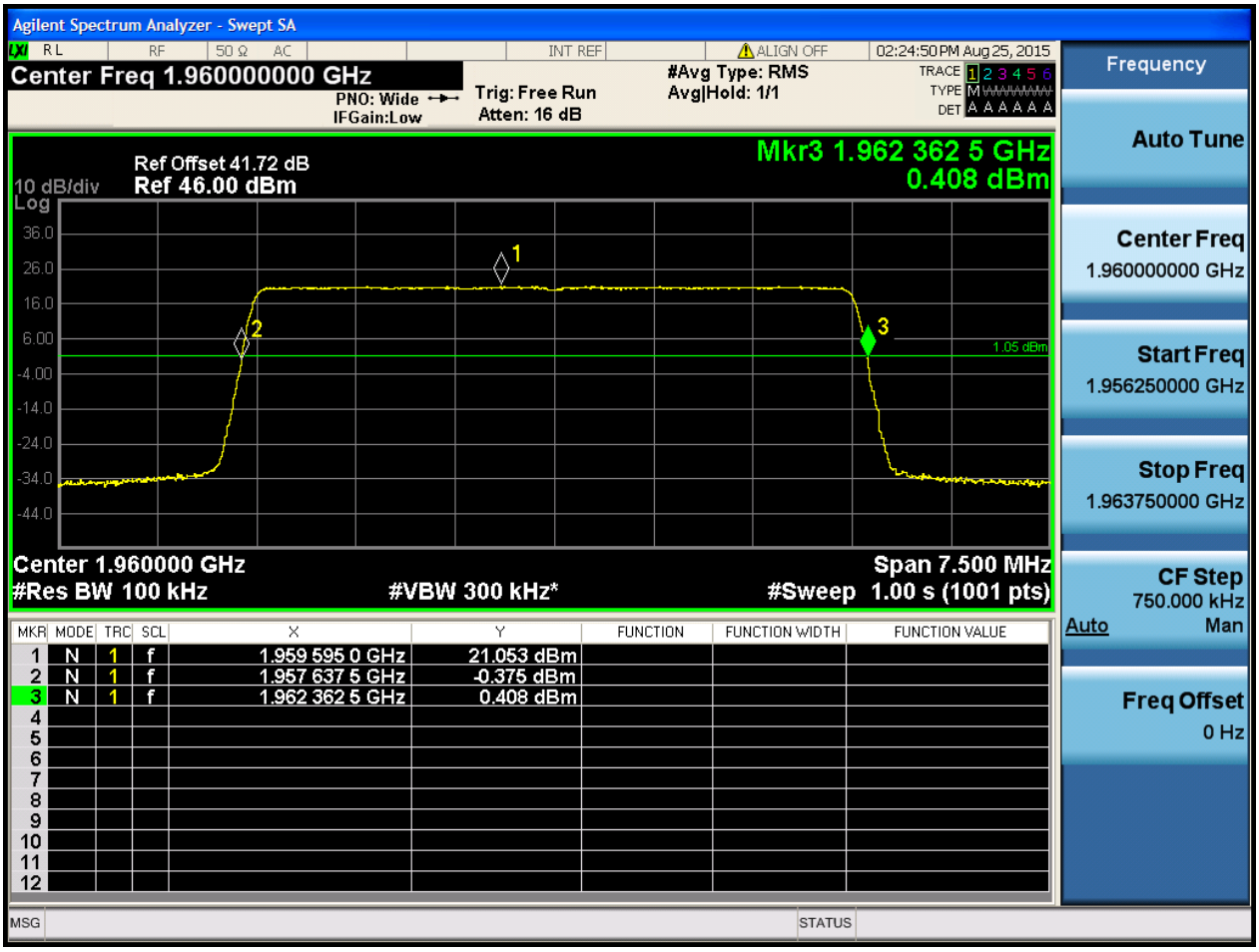
2.2.1 1L_ 5M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1932.5	7.5	20	0.1	RMS	4.732544	5	1930.137472	1930	1934.870016	1990	Pass



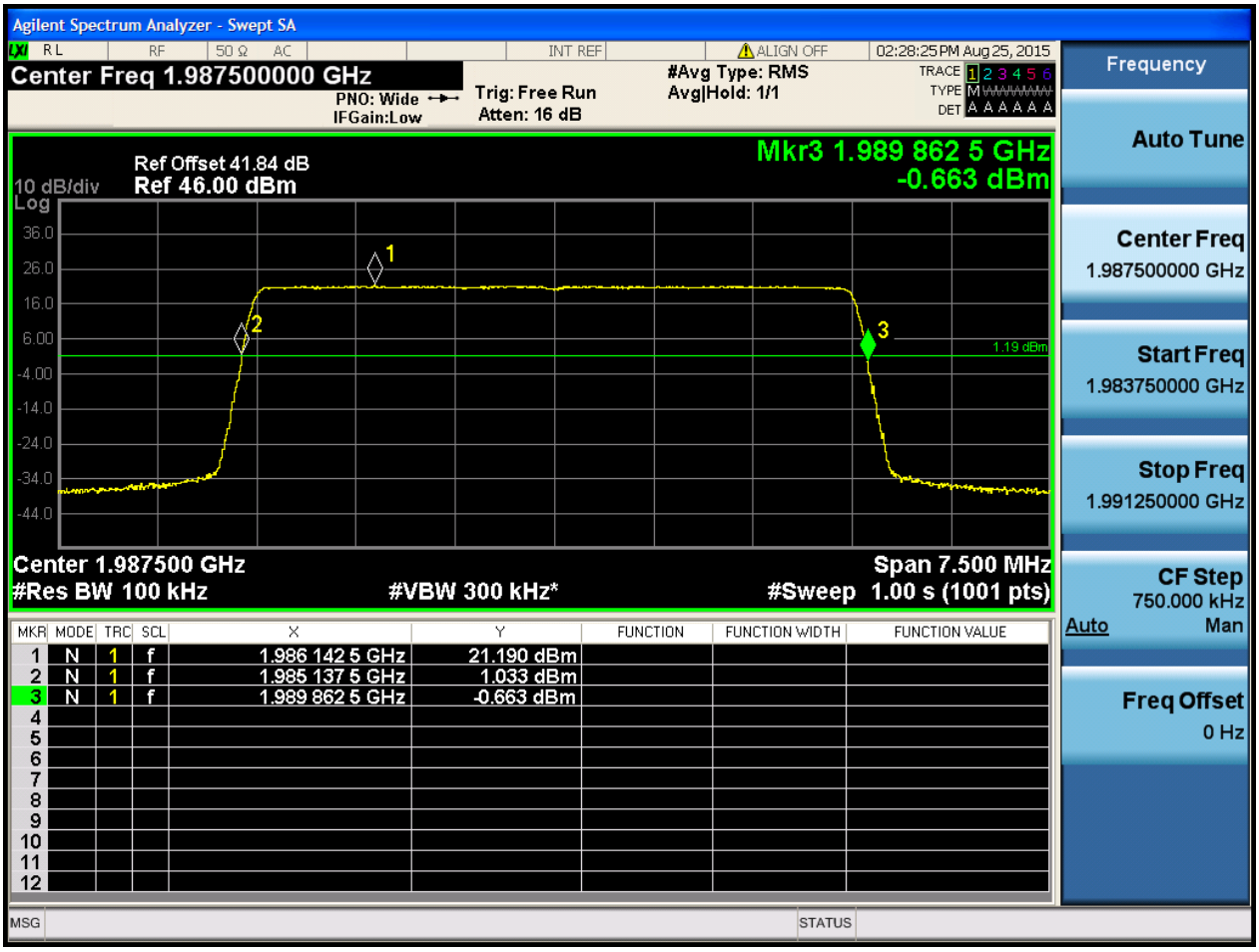
2.2.2 1L_ 5M_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	7.5	20	0.1	RMS	4.724992	5	1957.637504	1930	1962.362496	1990	Pass



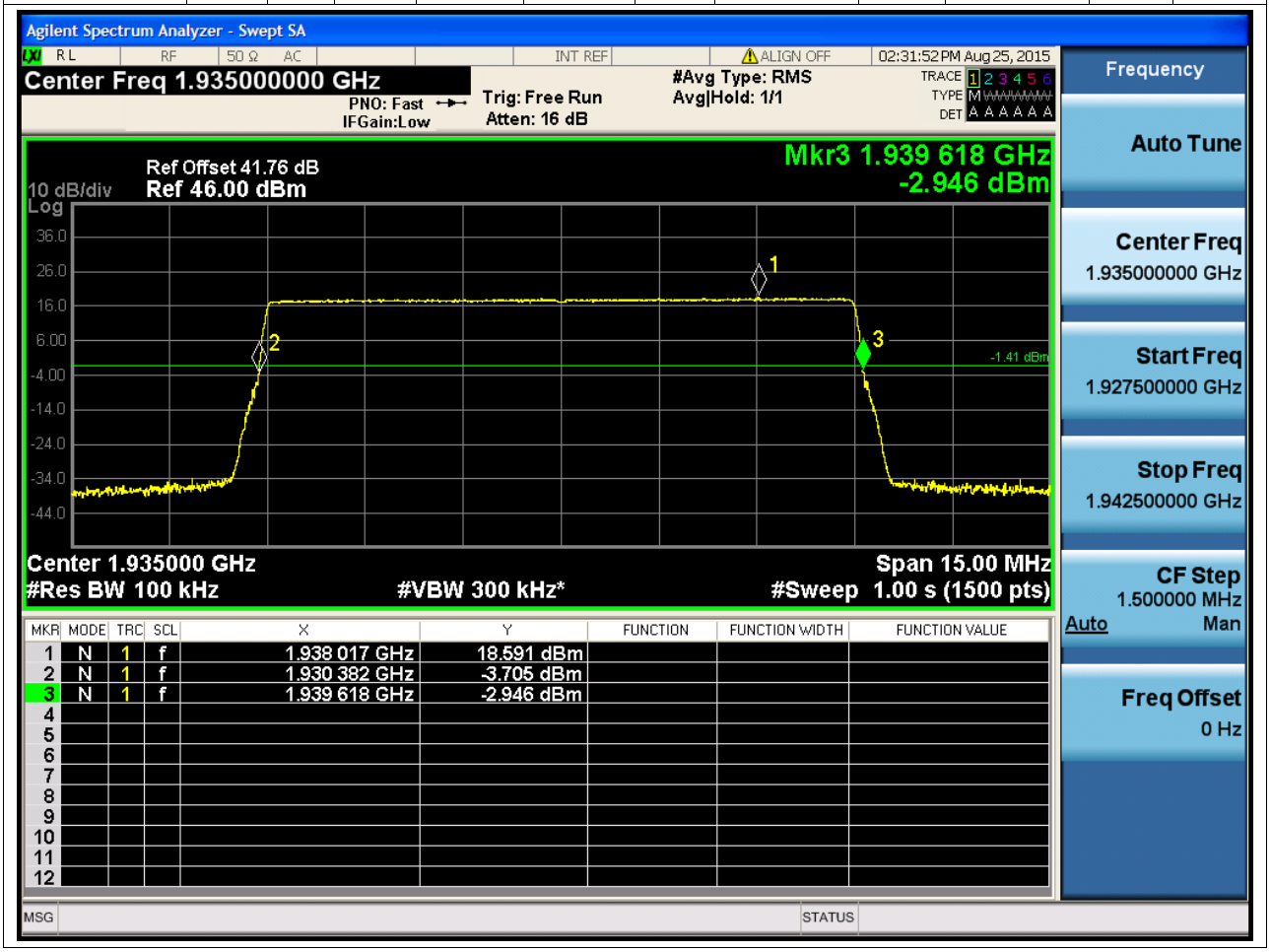
2.2.3 1L_ 5M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1987.5	7.5	20	0.1	RMS	4.724992	5	1985.137536	1930	1989.862528	1990	Pass



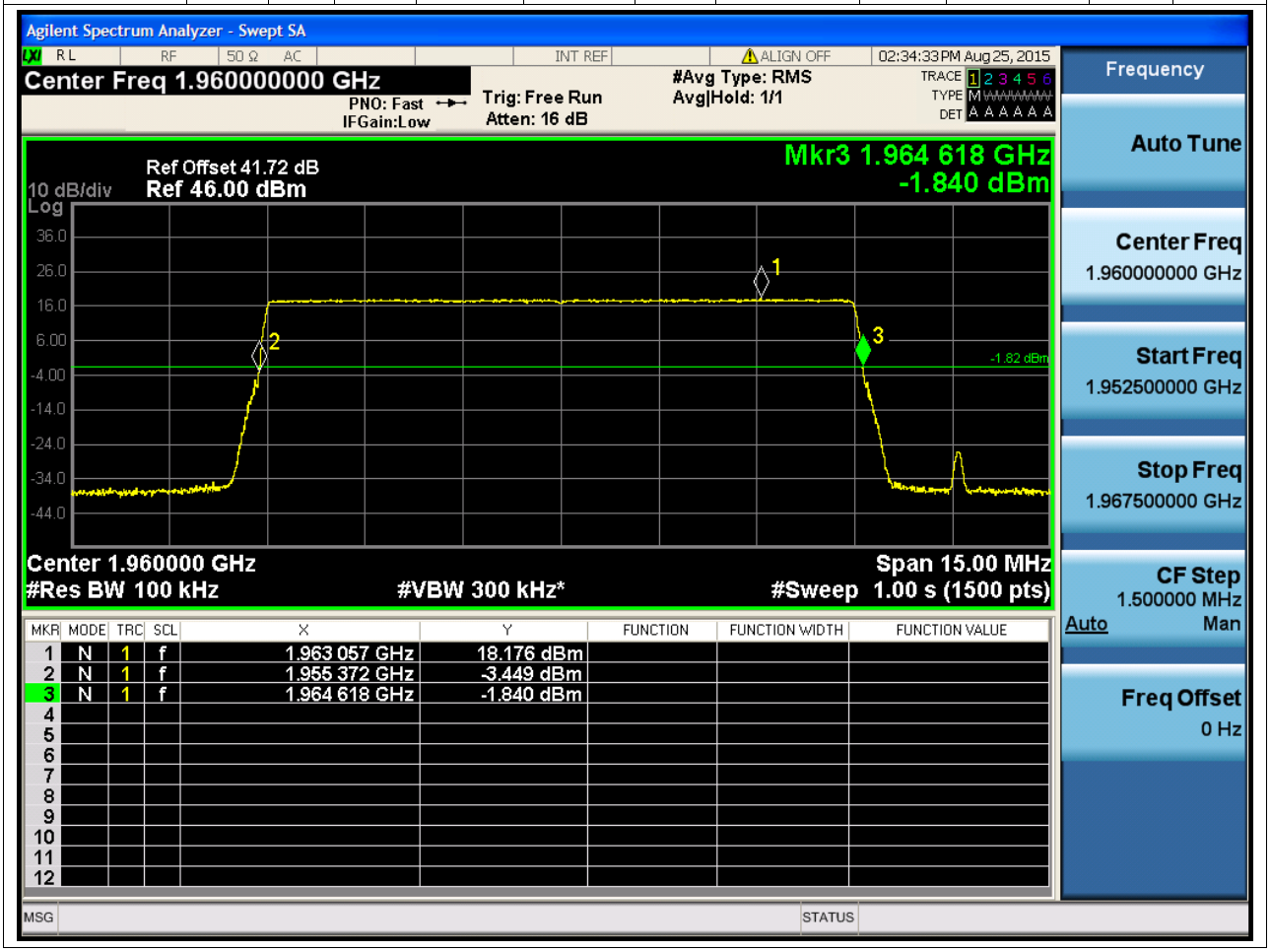
2.2.4 1L_ 10M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1935	15	20	0.1	RMS	9.236096	10	1930.381952	1930	1939.618048	1990	Pass



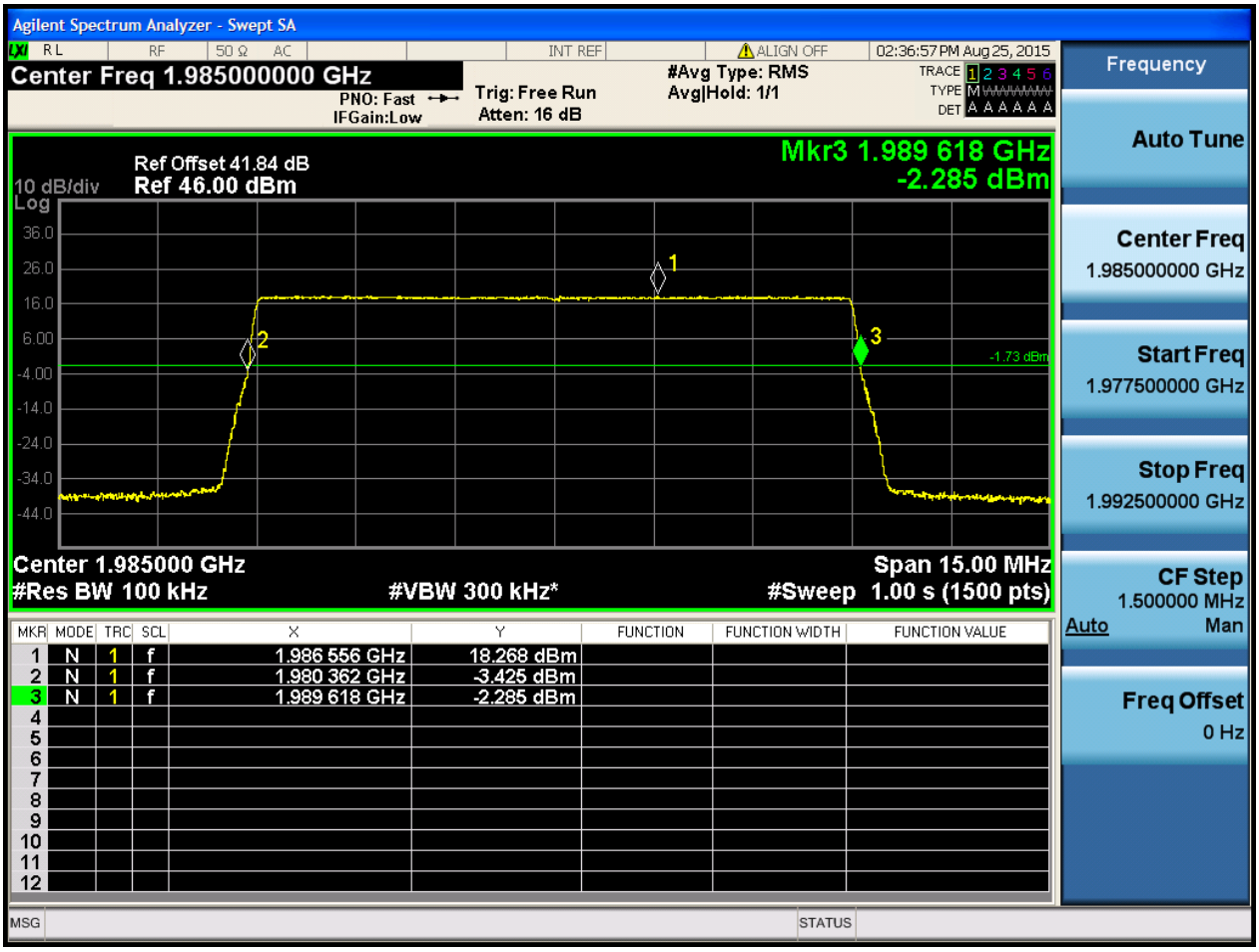
2.2.5 1L_ 10M_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	15	20	0.1	RMS	9.246208	10	1955.371904	1930	1964.618112	1990	Pass



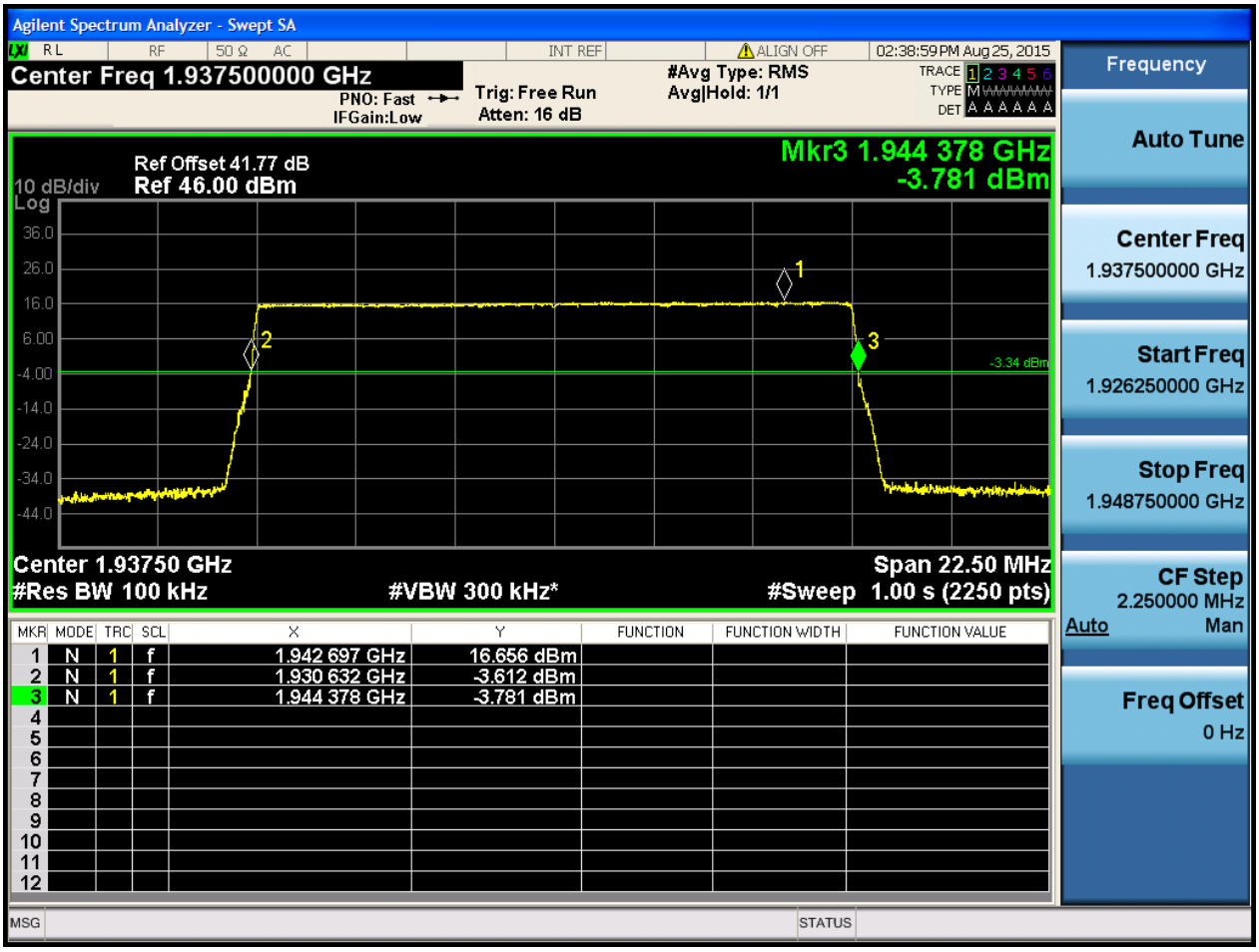
2.2.6 1L_ 10M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1985	15	20	0.1	RMS	9.256192	10	1980.361856	1930	1989.618048	1990	Pass



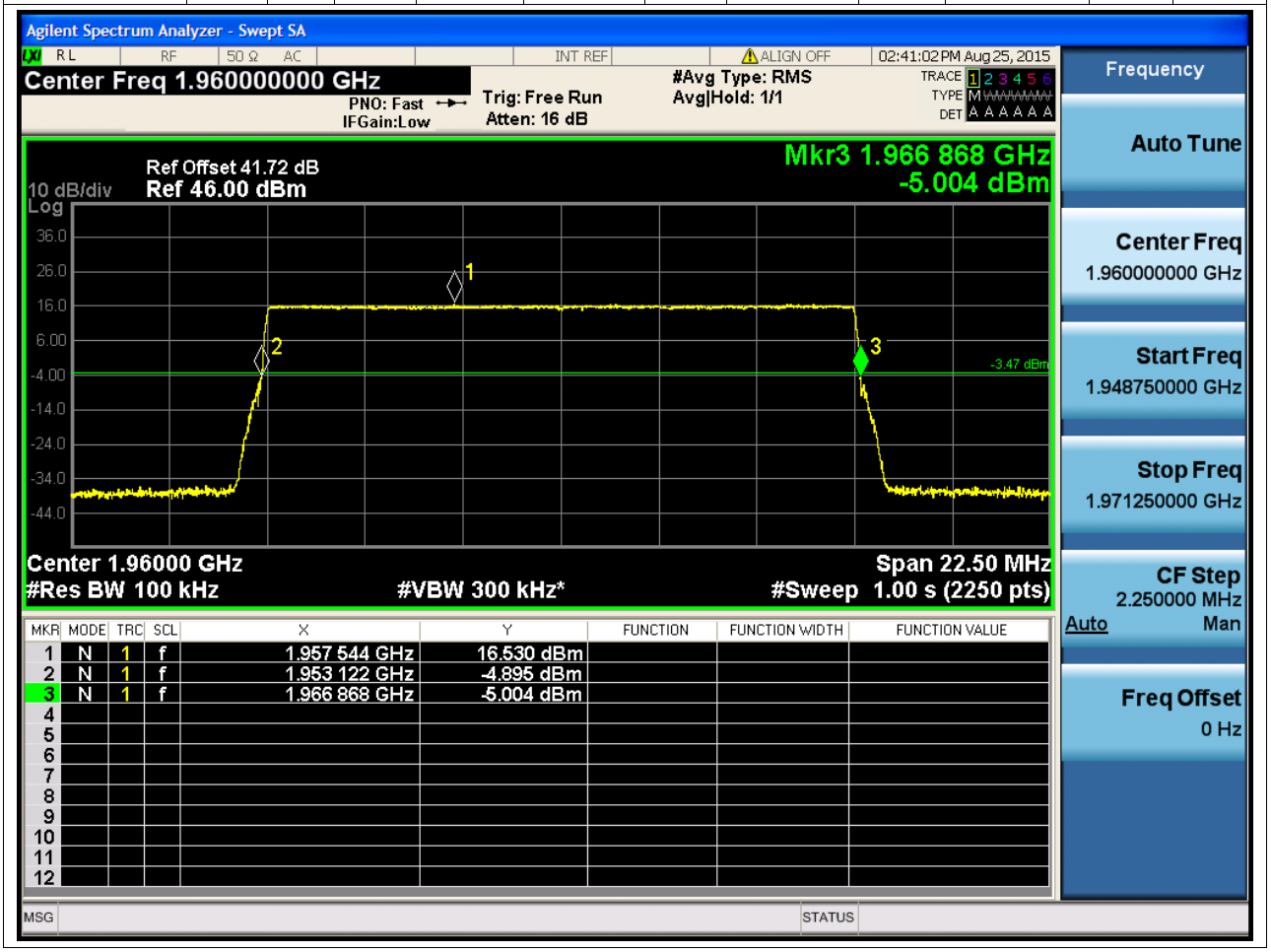
2.2.7 1L_ 15M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1937.5	22.5	20	0.1	RMS	13.746176	15	1930.631936	1930	1944.378112	1990	Pass



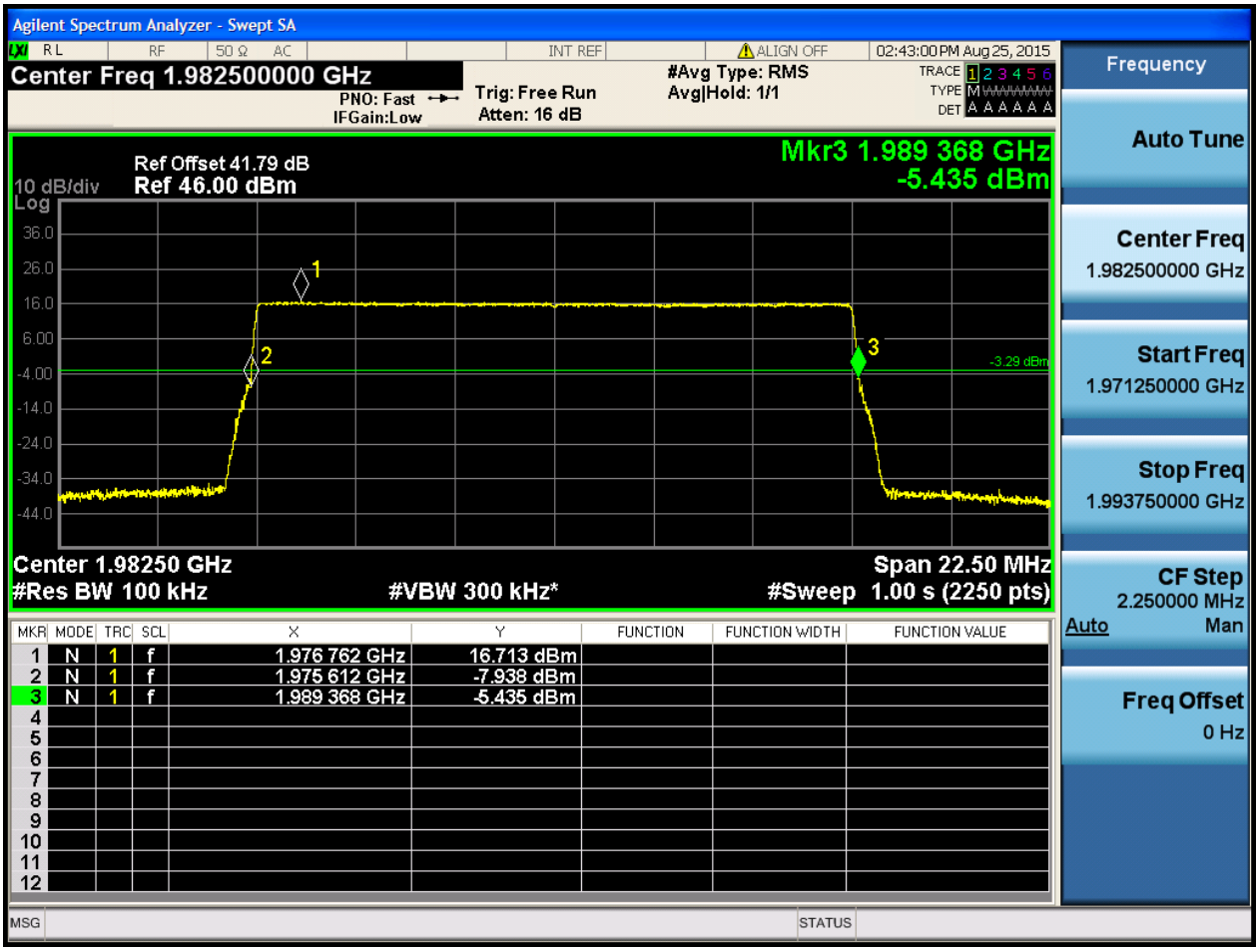
2.2.8 1L_ 15M_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	22.5	20	0.1	RMS	13.746176	15	1953.12192	1930	1966.868096	1990	Pass



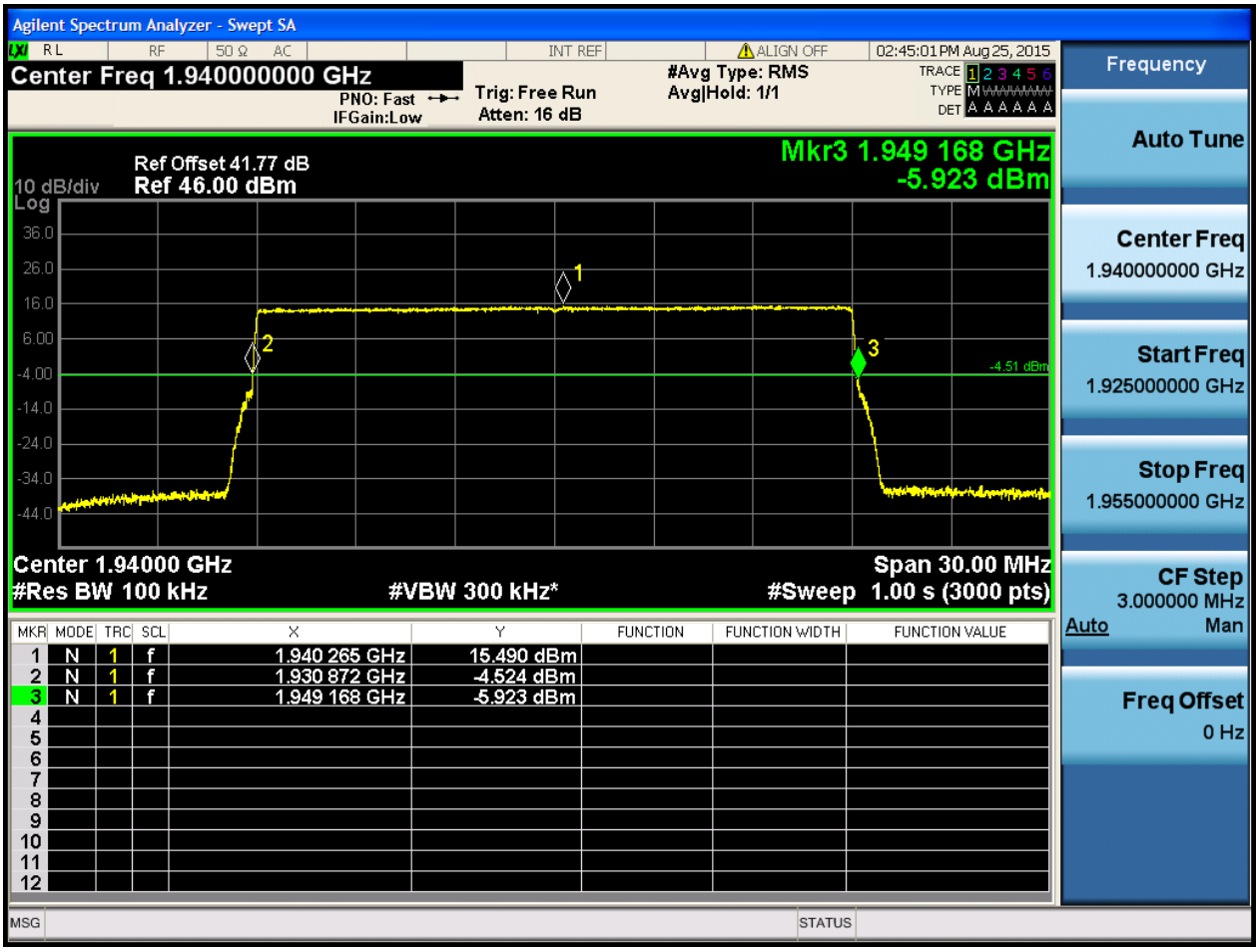
2.2.9 1L_ 15M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1982.5	22.5	20	0.1	RMS	13.75616	15	1975.611904	1930	1989.368064	1990	Pass



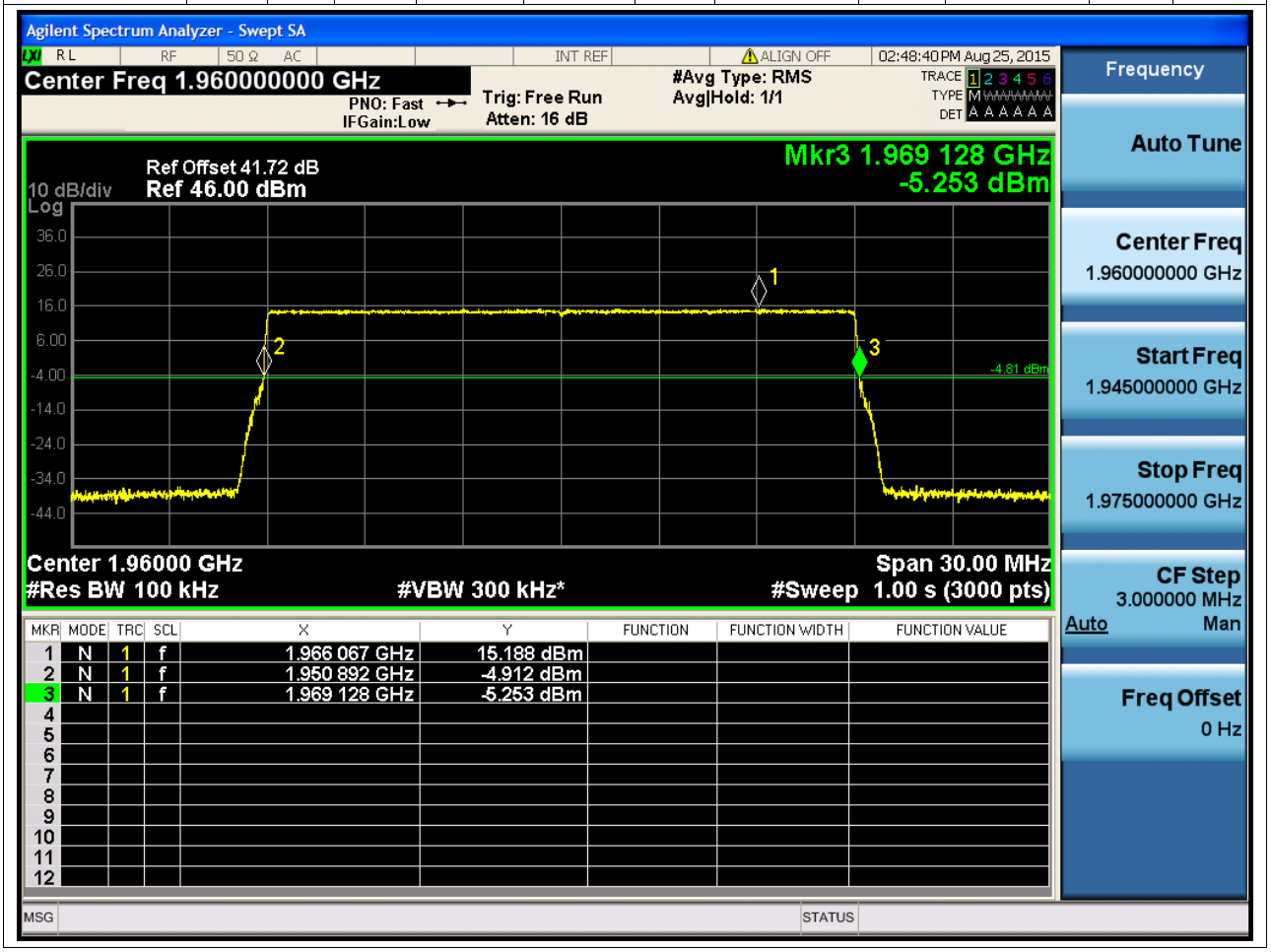
2.2.10 1L_ 20M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1940	30	20	0.1	RMS	18.296064	20	1930.871936	1930	1949.168	1990	Pass



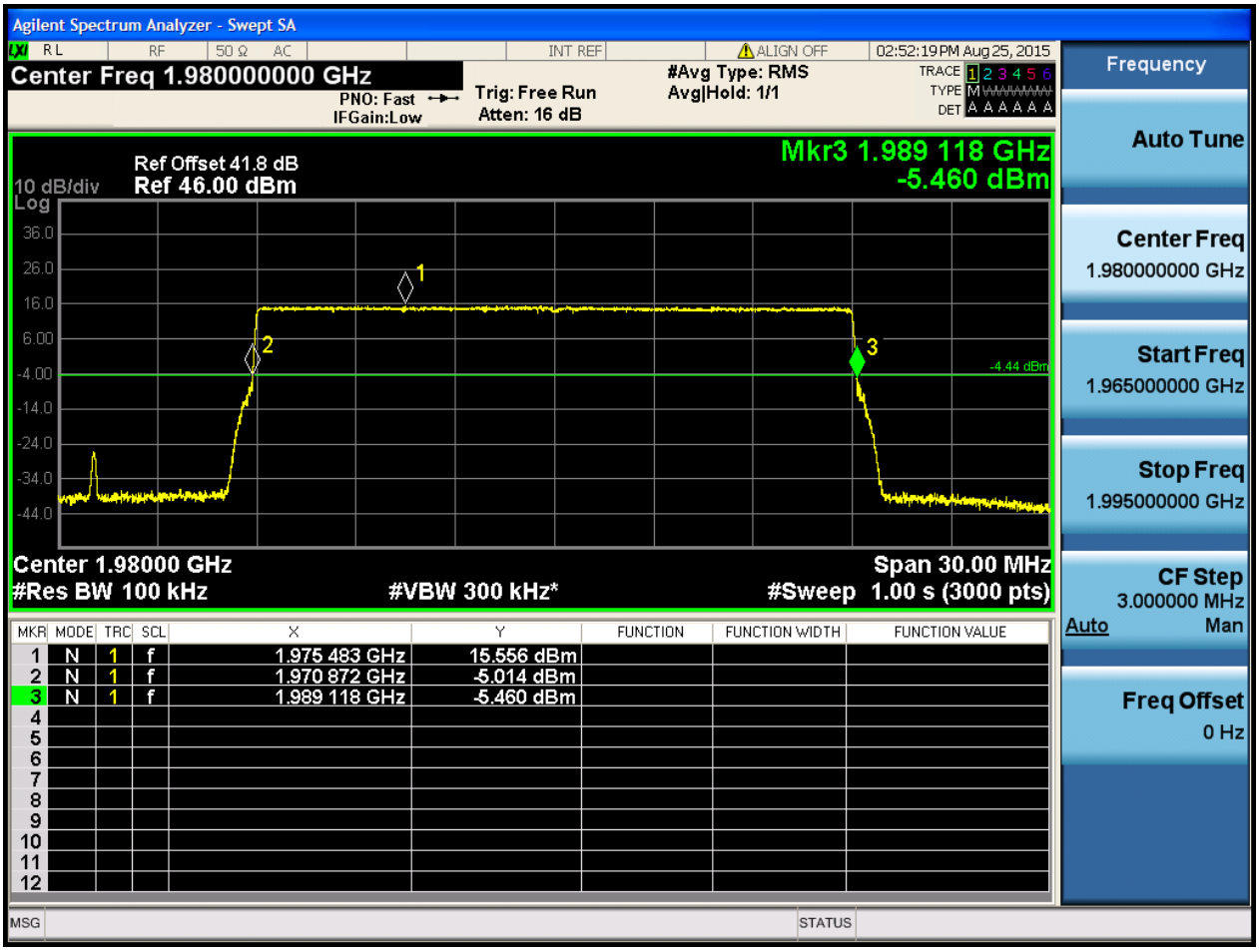
2.2.11 1L_ 20M _M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	30	20	0.1	RMS	18.23616	20	1950.891904	1930	1969.128064	1990	Pass



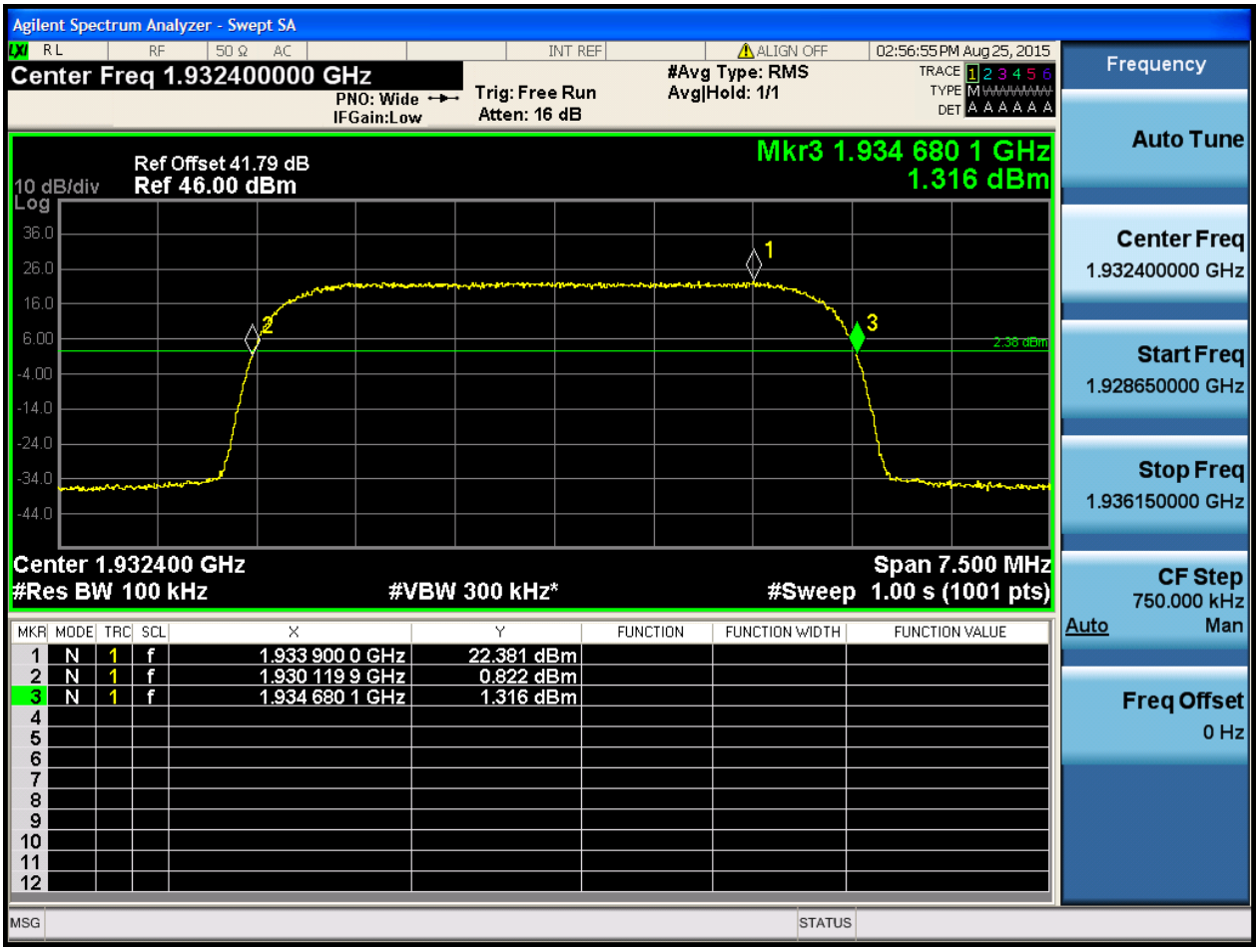
2.2.12 1L_ 20M _T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1980	30	20	0.1	RMS	18.246144	20	1970.871936	1930	1989.11808	1990	Pass



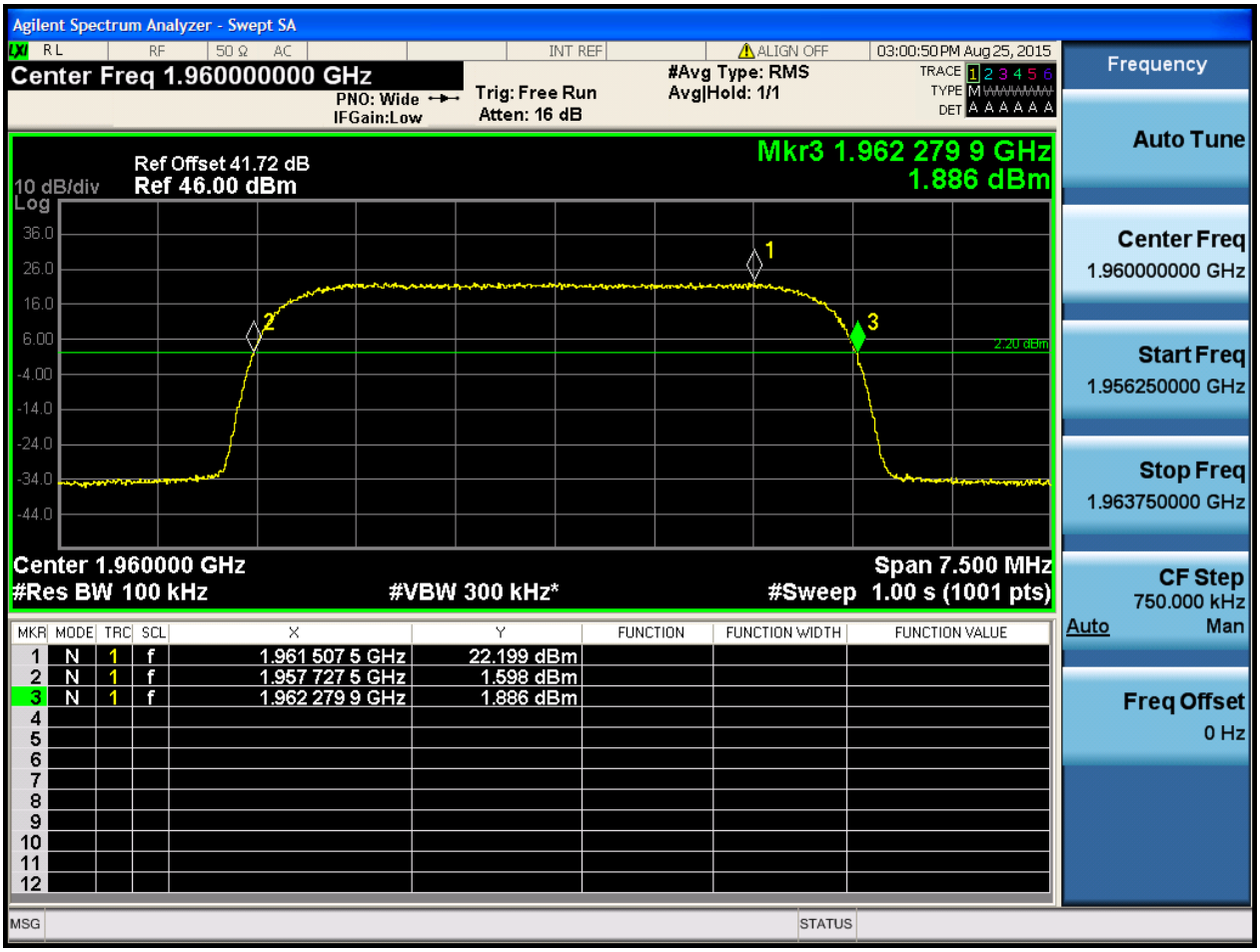
2.2.13 1U_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1932.4	7.5	20	0.1	RMS	4.560128	5	1930.119936	1930	1934.680064	1990	Pass



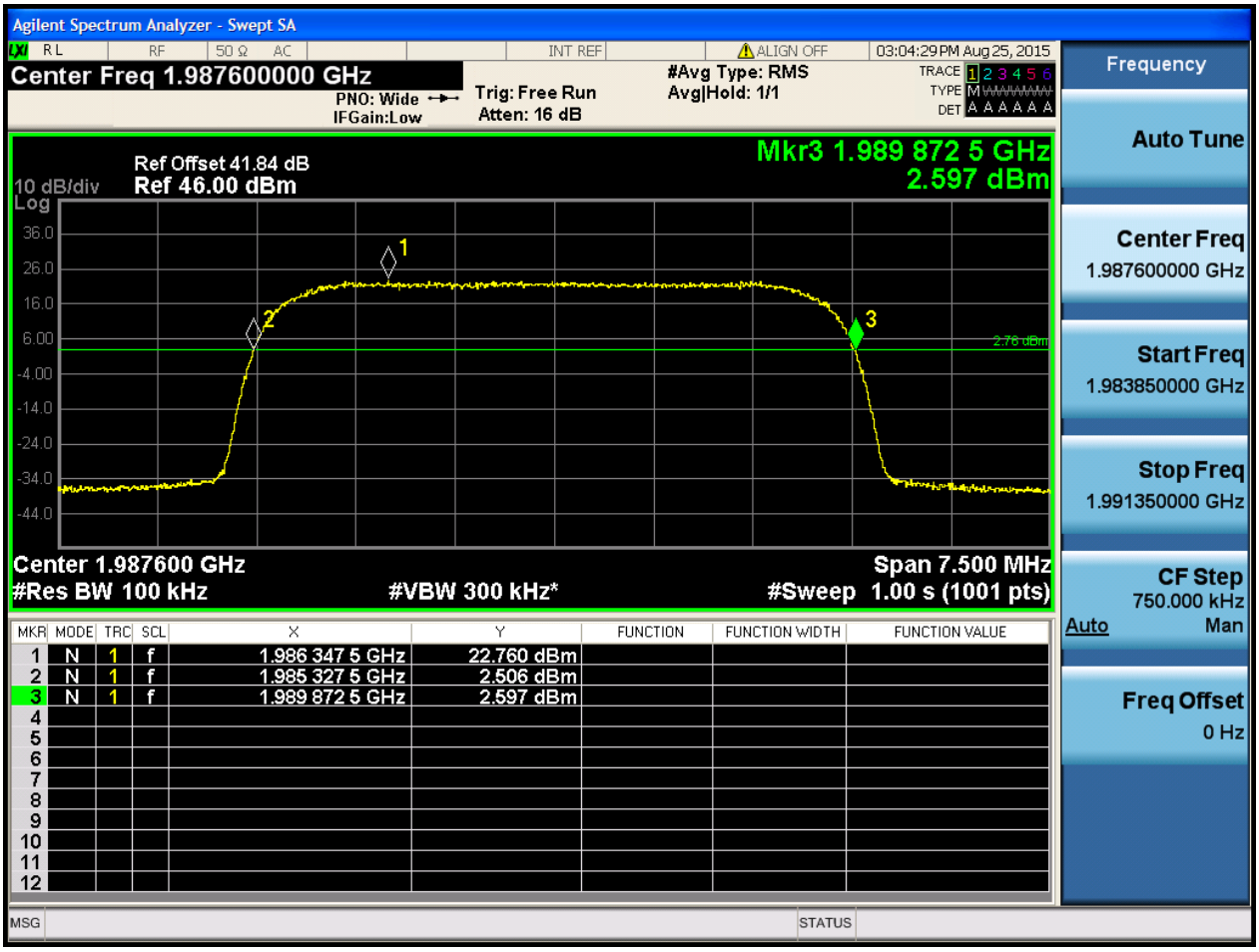
2.2.14 1U_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	7.5	20	0.1	RMS	4.552448	5	1957.727488	1930	1962.279936	1990	Pass



2.2.15 1U_T

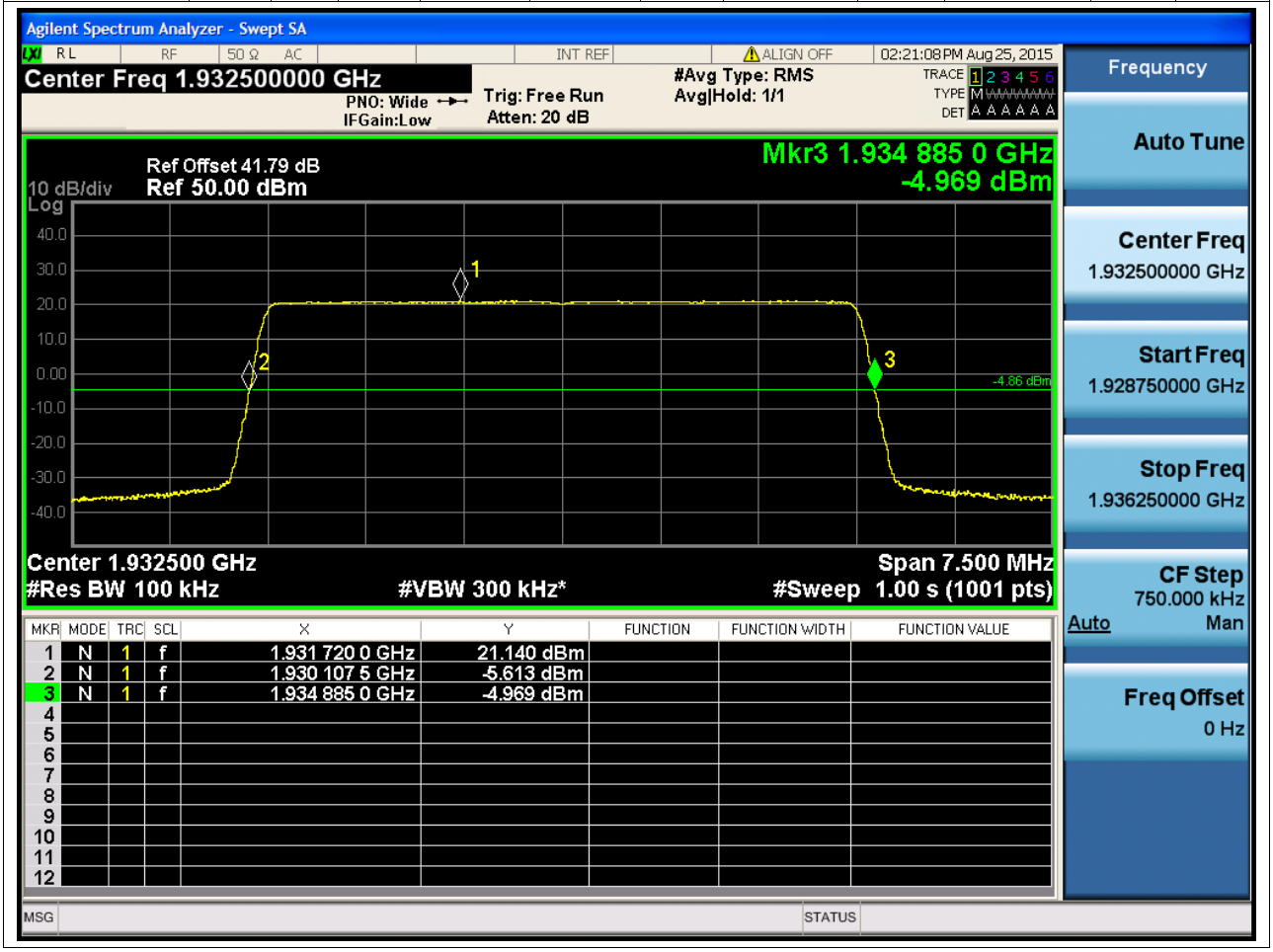
Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1987.6	7.5	20	0.1	RMS	4.545024	5	1985.327488	1930	1989.872512	1990	Pass



2.3 Emission Bandwidth(-26 dBc)

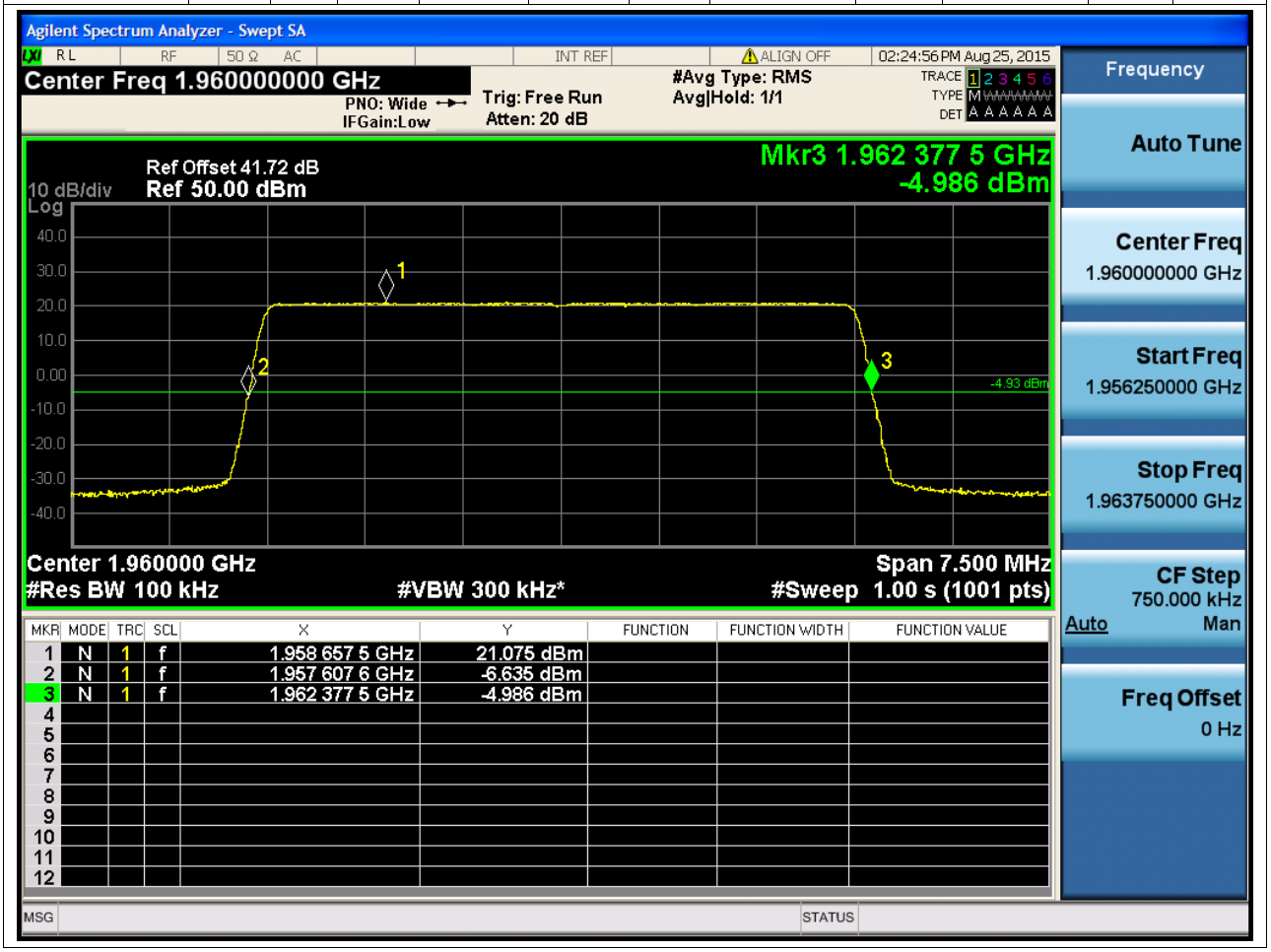
2.3.1 1L_ 5M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1932.5	7.5	26	0.1	RMS	4.777472	5	1930.10752	1930	1934.884992	1990	Pass



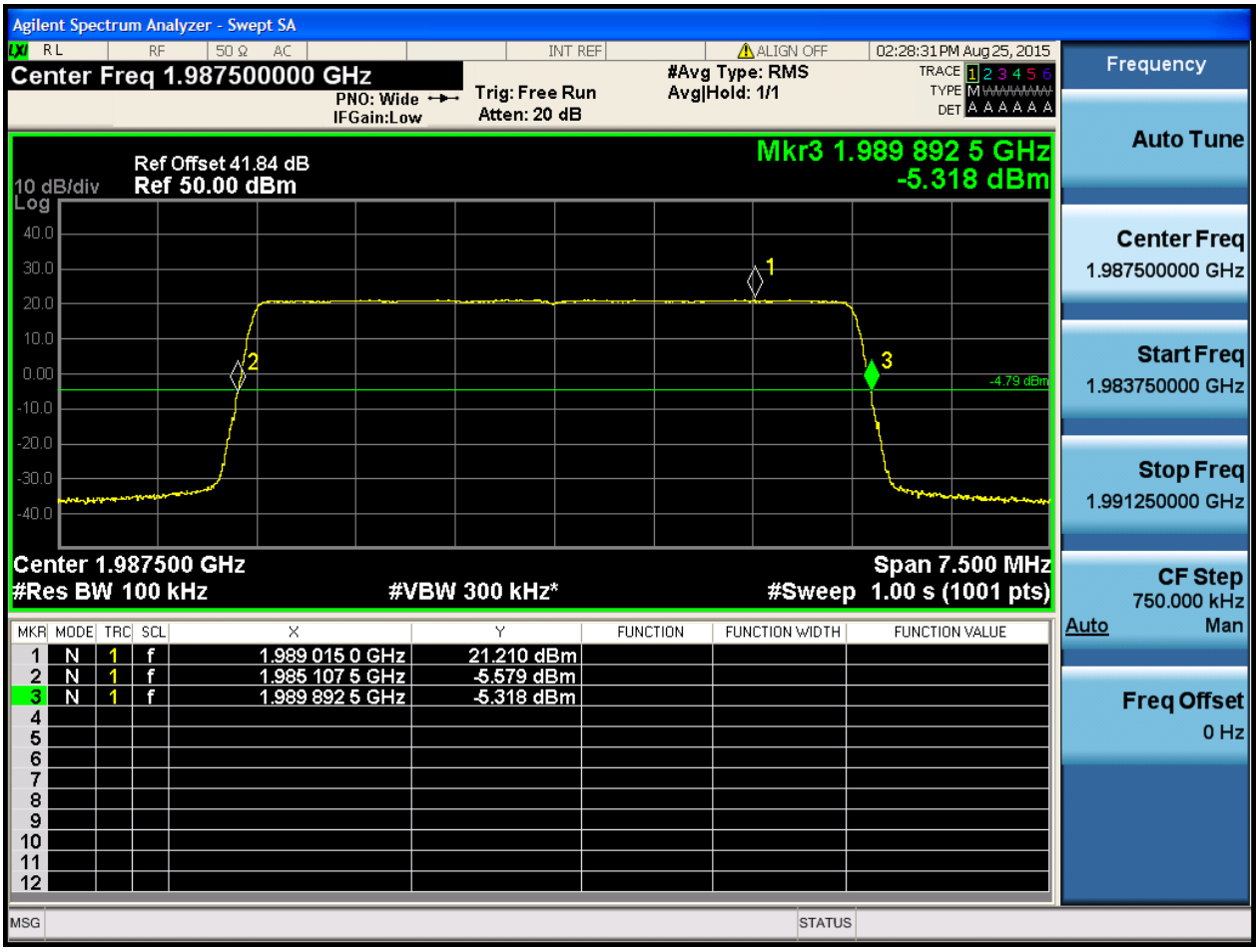
2.3.2 1L_ 5M_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	7.5	26	0.1	RMS	4.76992	5	1957.607552	1930	1962.377472	1990	Pass



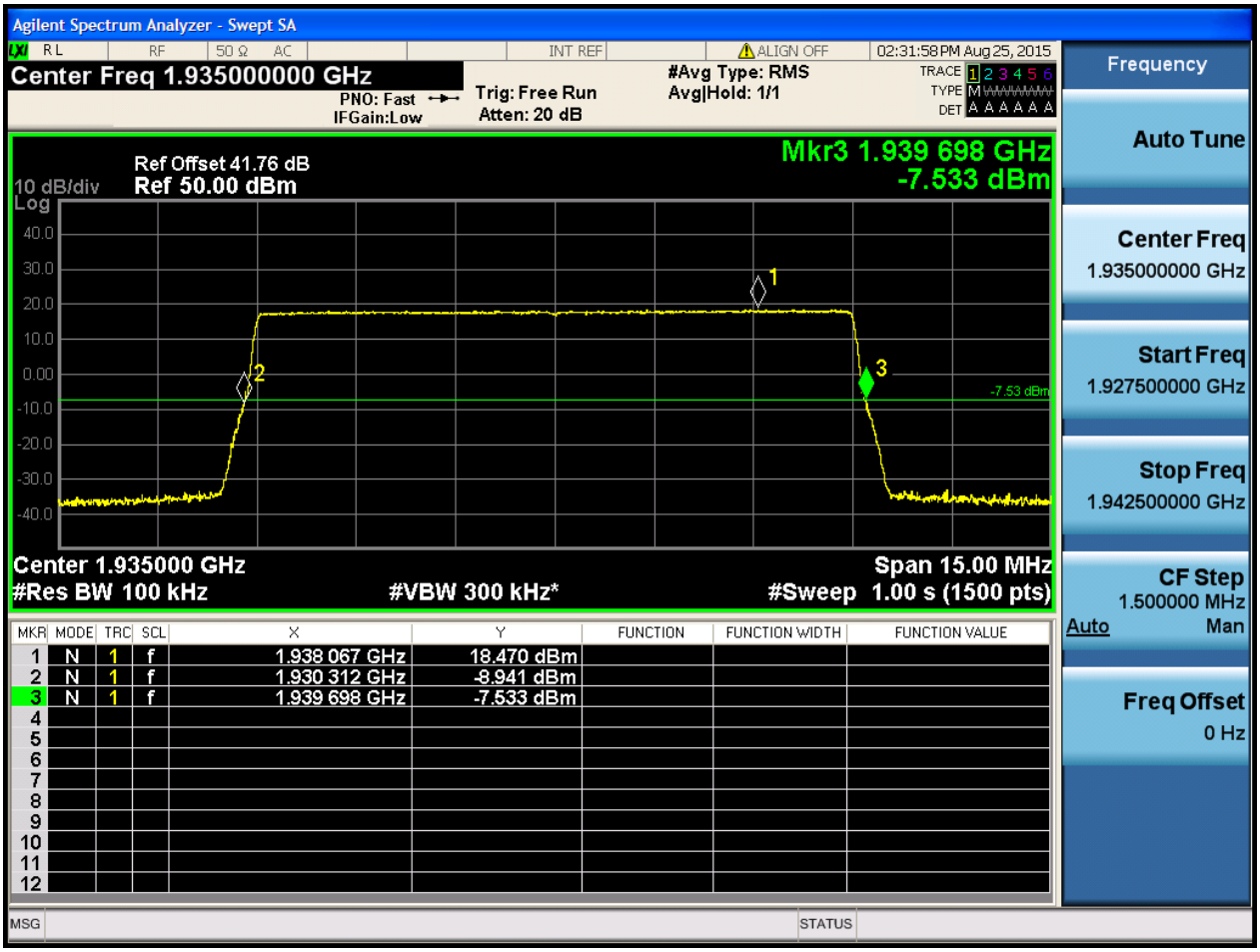
2.3.3 1L_ 5M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1987.5	7.5	26	0.1	RMS	4.785024	5	1985.107456	1930	1989.89248	1990	Pass



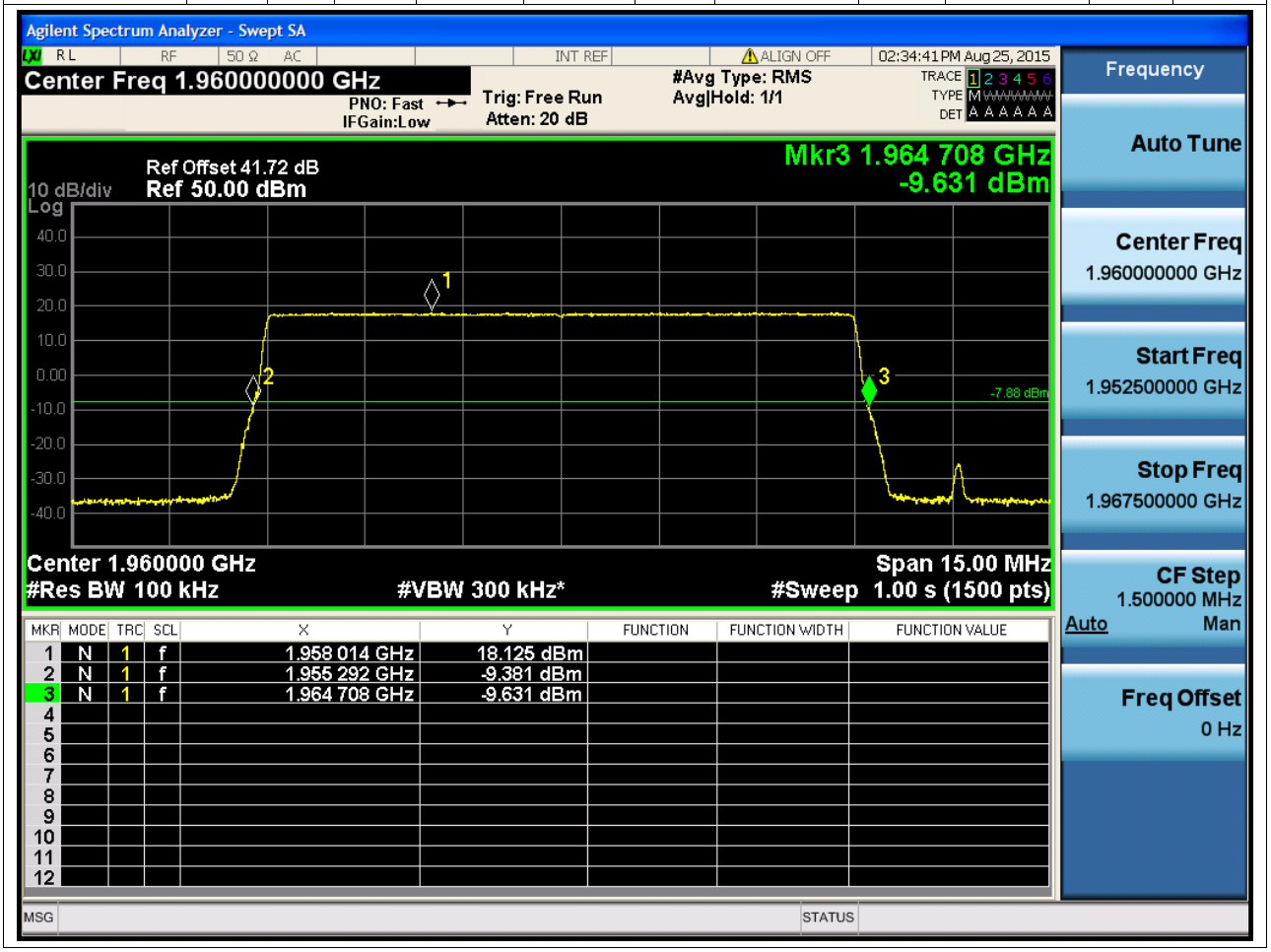
2.3.4 1L_ 10M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1935	15	26	0.1	RMS	9.38624	10	1930.311936	1930	1939.698176	1990	Pass



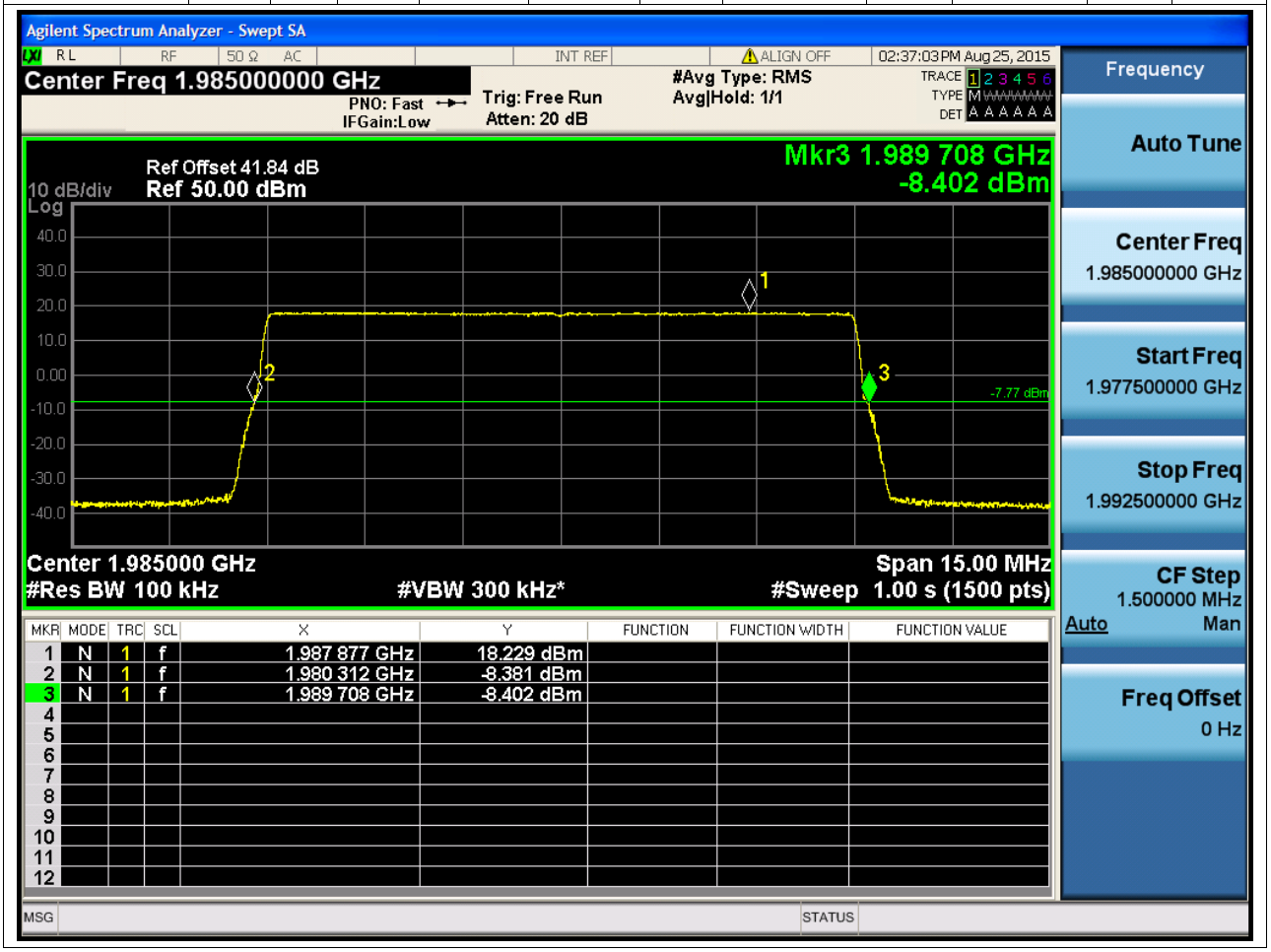
2.3.5 1L_ 10M_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	15	26	0.1	RMS	9.416192	10	1955.291904	1930	1964.708096	1990	Pass



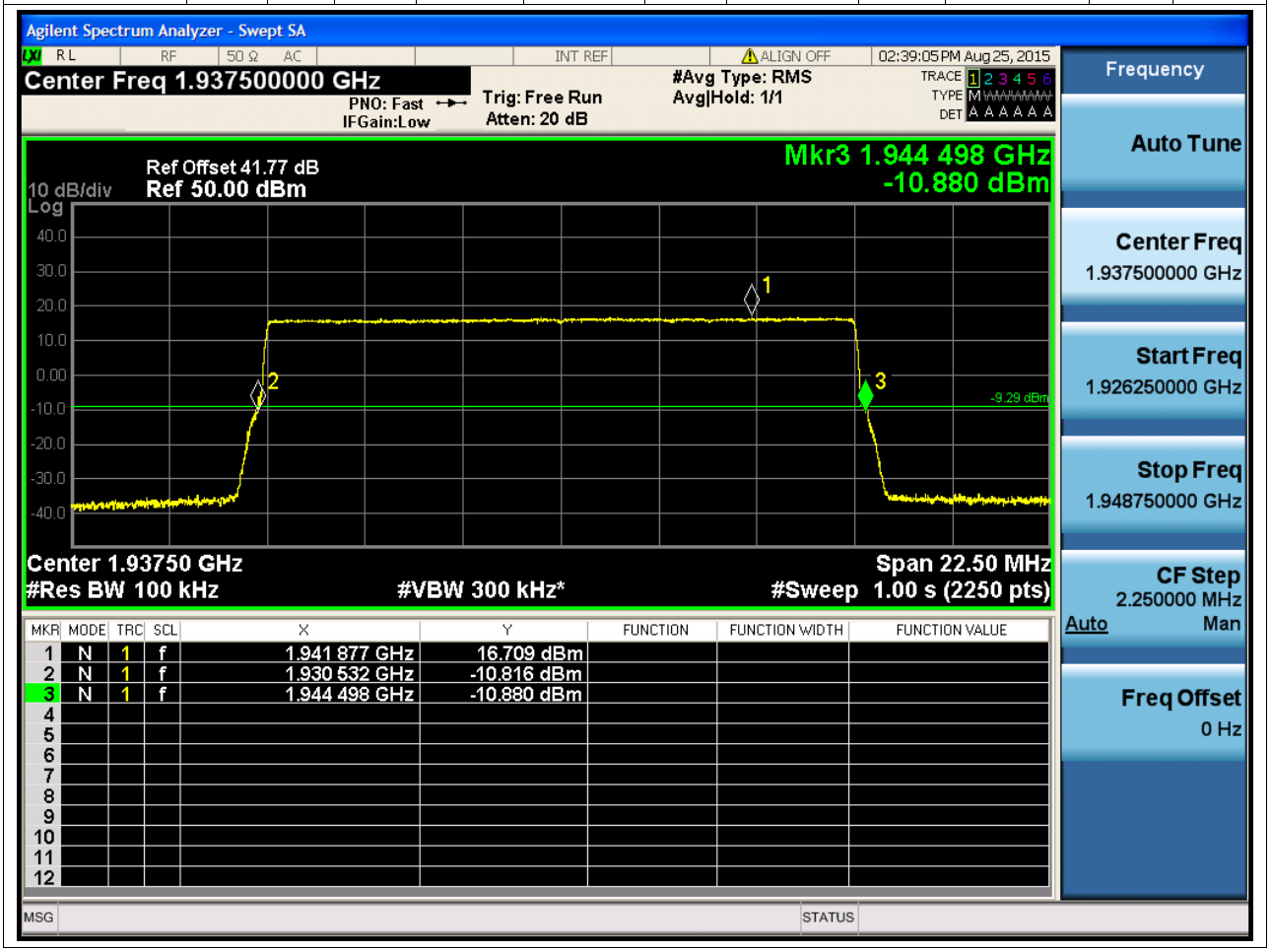
2.3.6 1L_ 10M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1985	15	26	0.1	RMS	9.396224	10	1980.311936	1930	1989.708016	1990	Pass



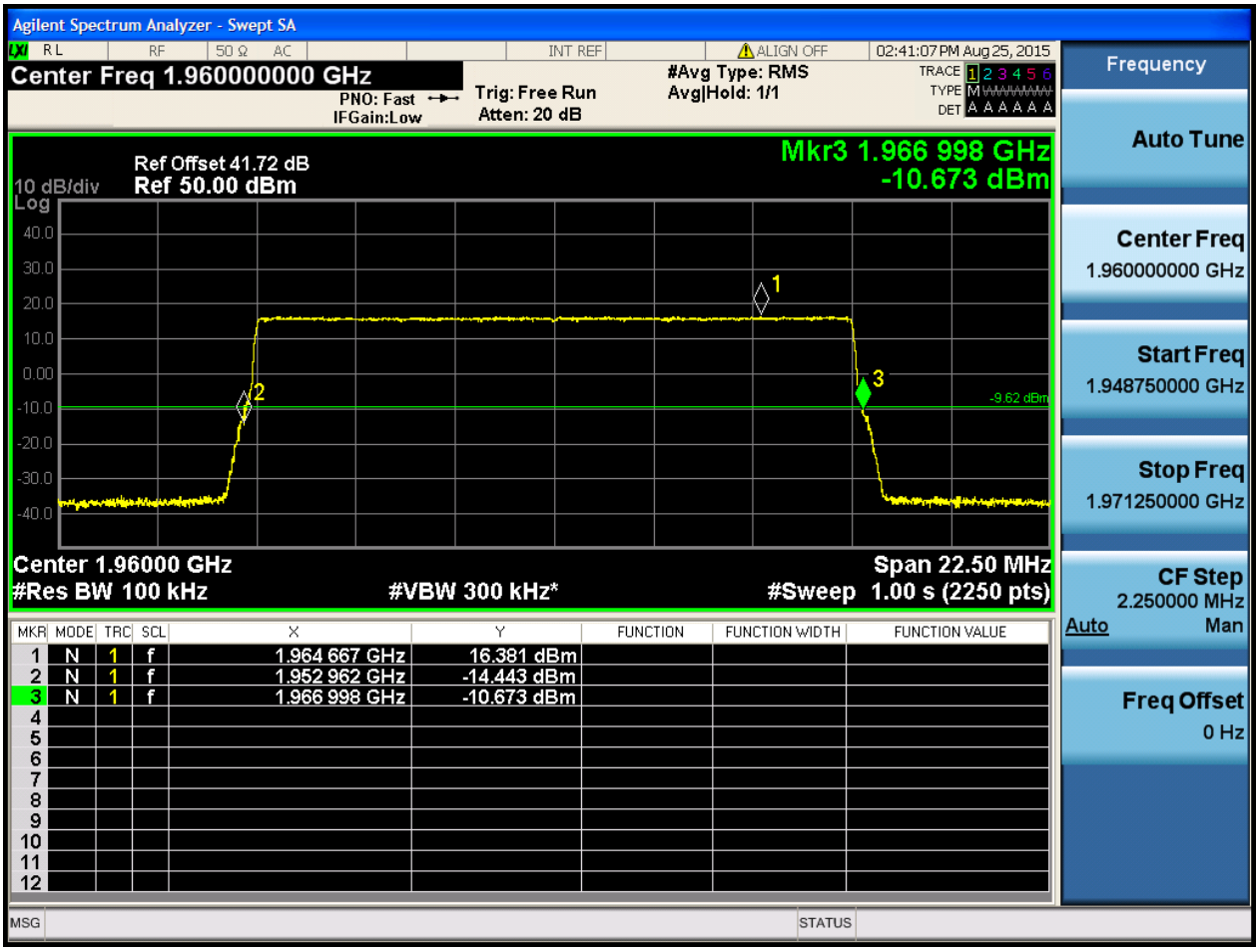
2.3.7 1L_ 15M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1937.5	22.5	26	0.1	RMS	13.966208	15	1930.53184	1930	1944.498048	1990	Pass



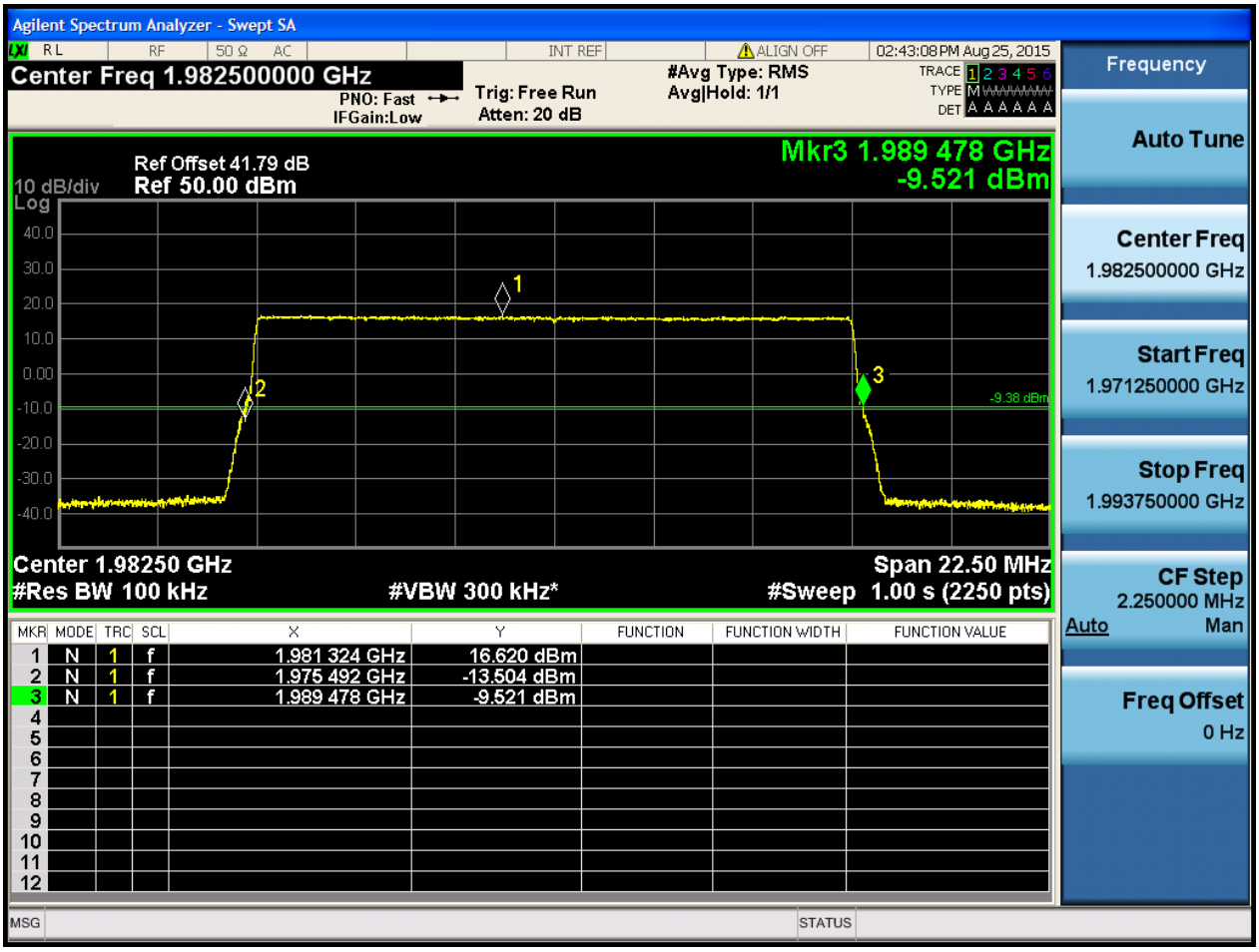
2.3.8 1L_ 15M_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	22.5	26	0.1	RMS	14.036224	15	1952.96192	1930	1966.998144	1990	Pass



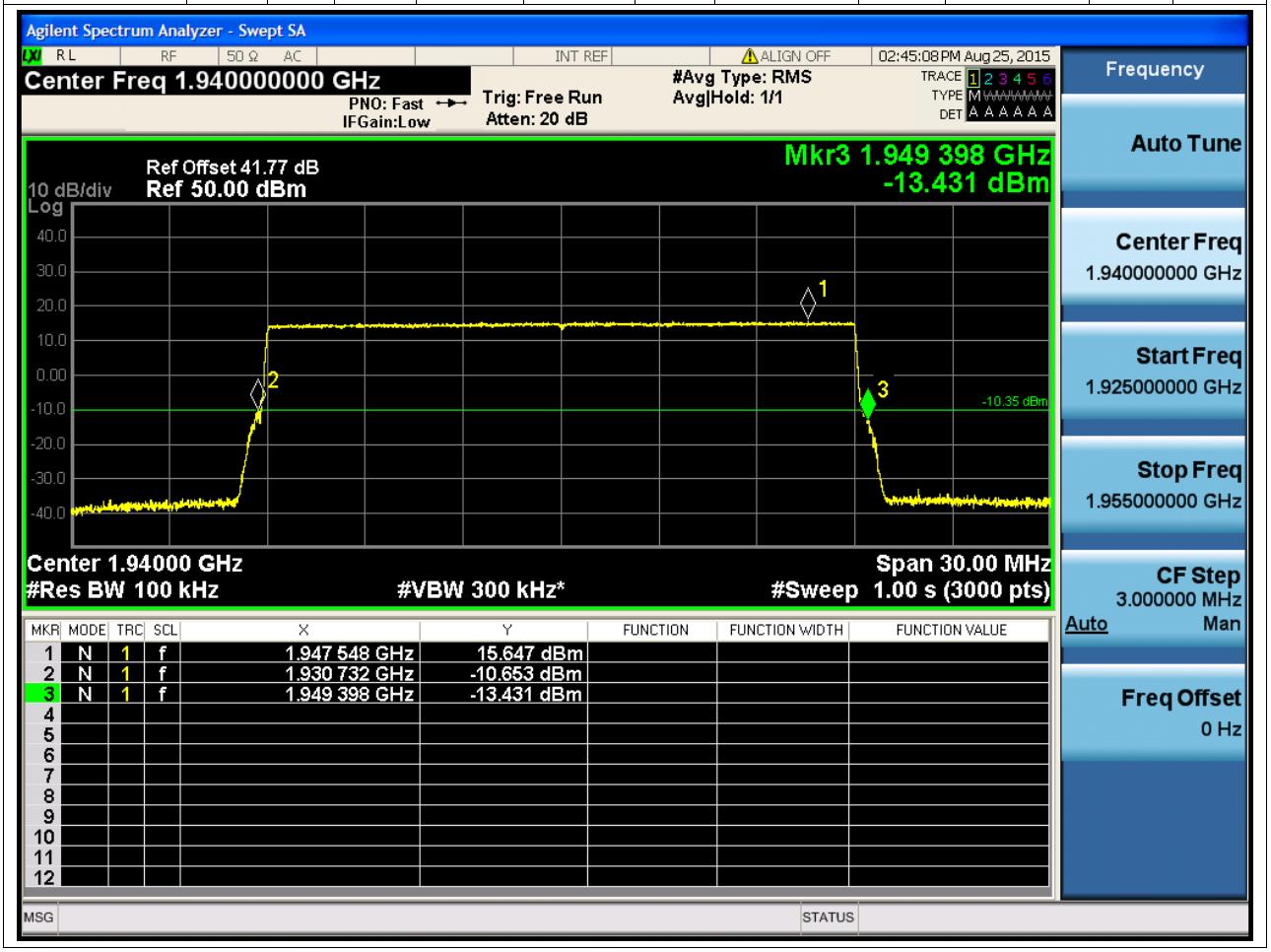
2.3.9 1L_ 15M_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1982.5	22.5	26	0.1	RMS	13.986304	15	1975.49184	1930	1989.478144	1990	Pass



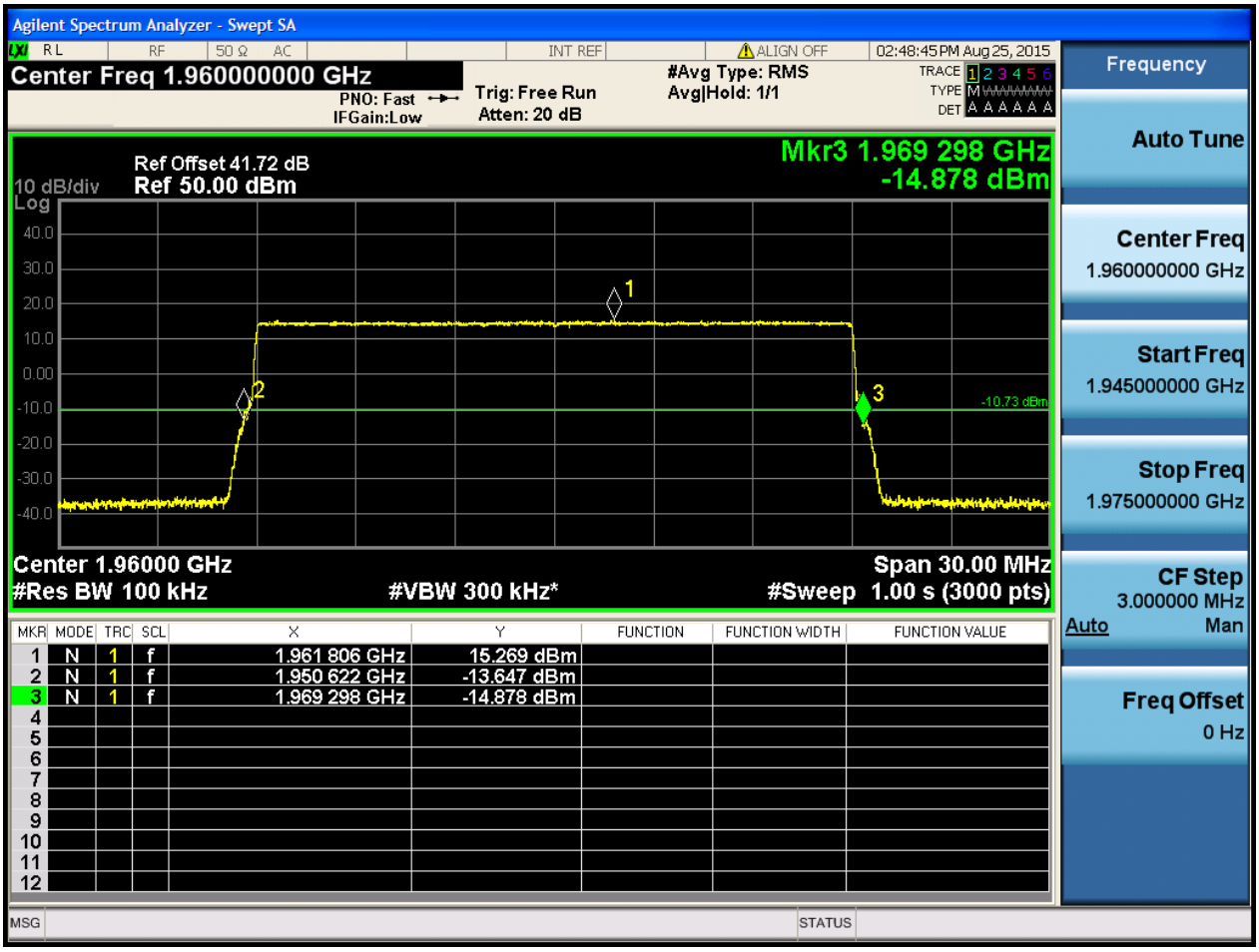
2.3.10 1L_ 20M_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1940	30	26	0.1	RMS	18.66624	20	1930.731904	1930	1949.398144	1990	Pass



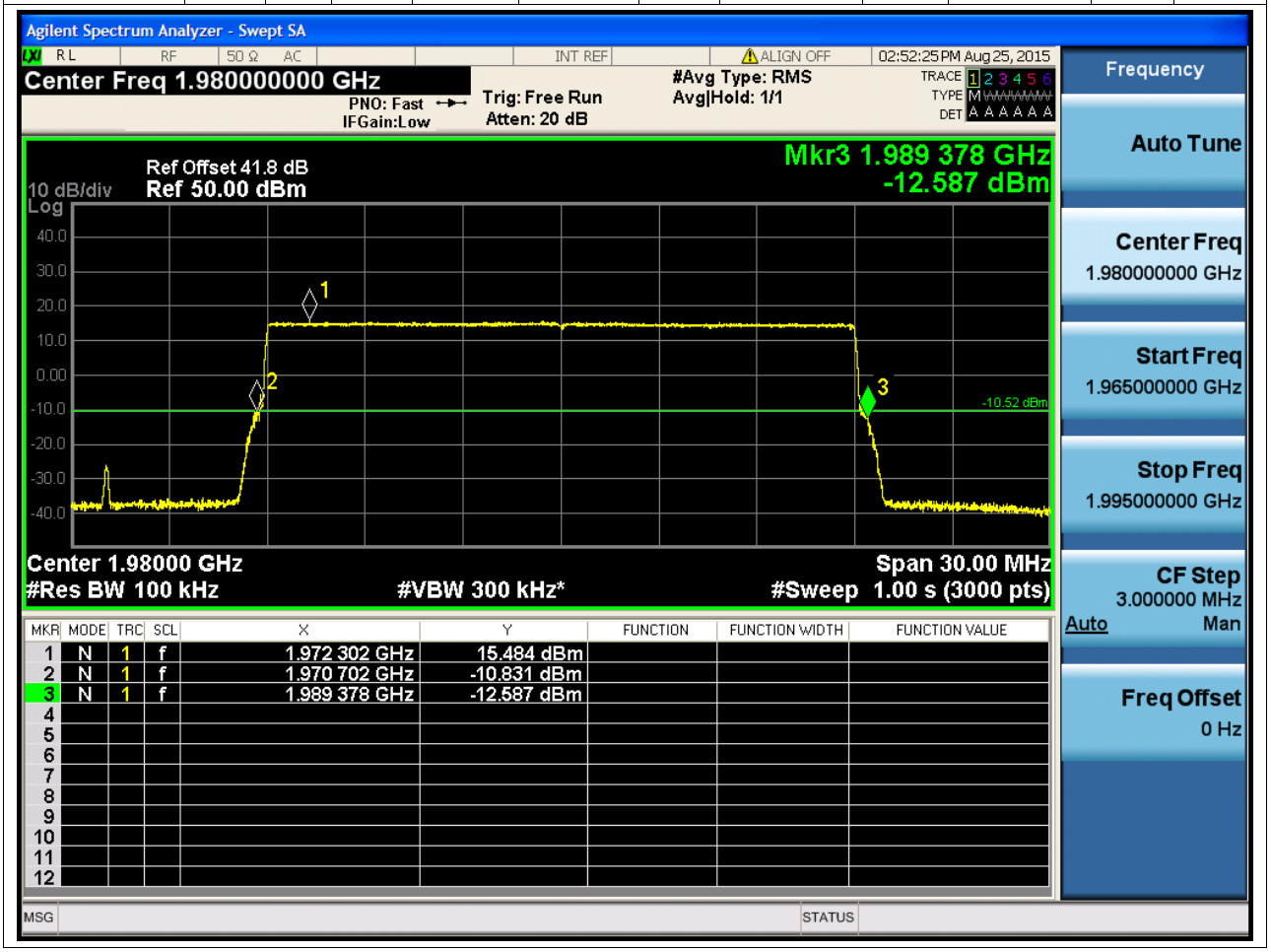
2.3.11 1L_ 20M _M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	30	26	0.1	RMS	18.676224	20	1950.621824	1930	1969.298048	1990	Pass



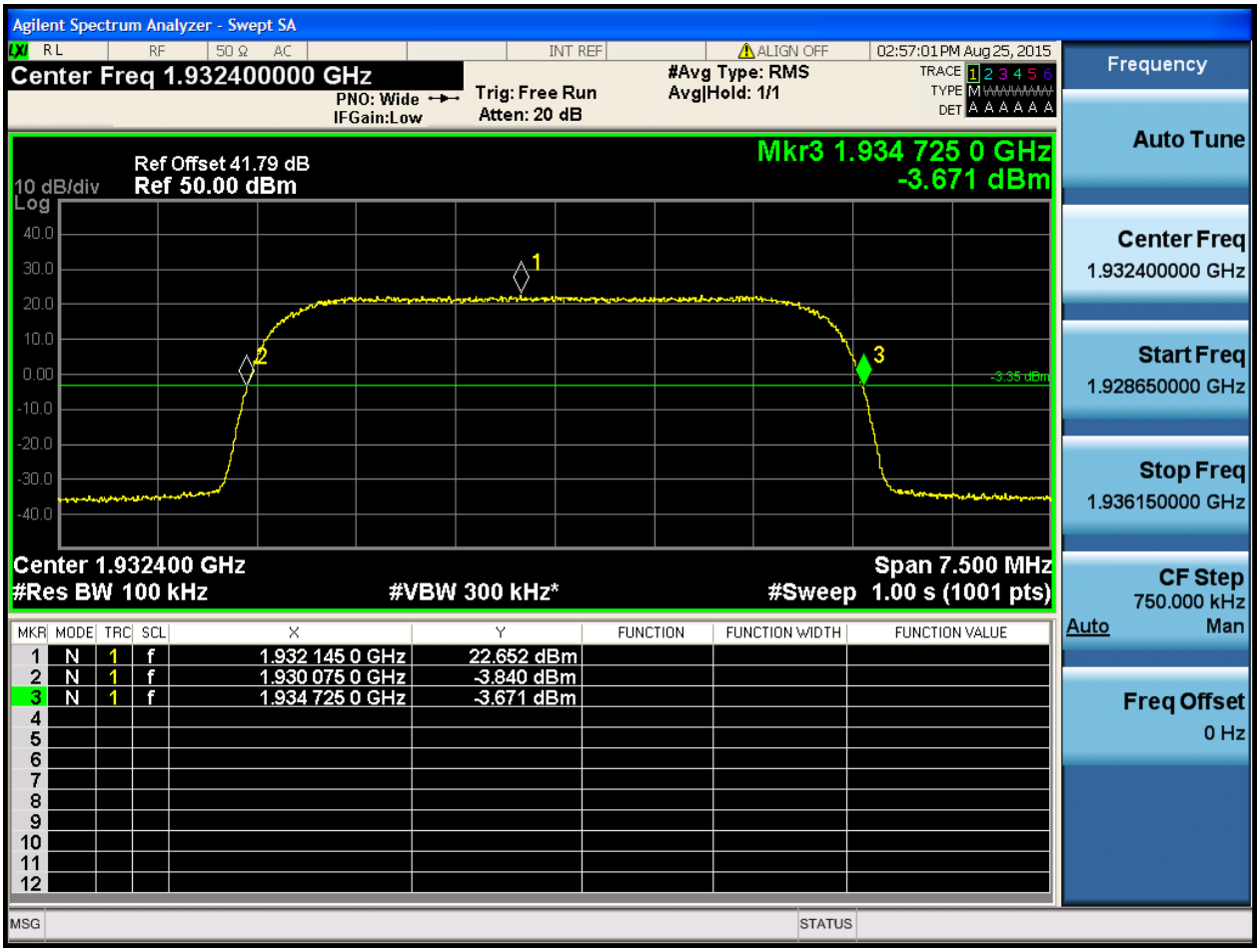
2.3.12 1L_ 20M _T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1980	30	26	0.1	RMS	18.676224	20	1970.701952	1930	1989.378176	1990	Pass



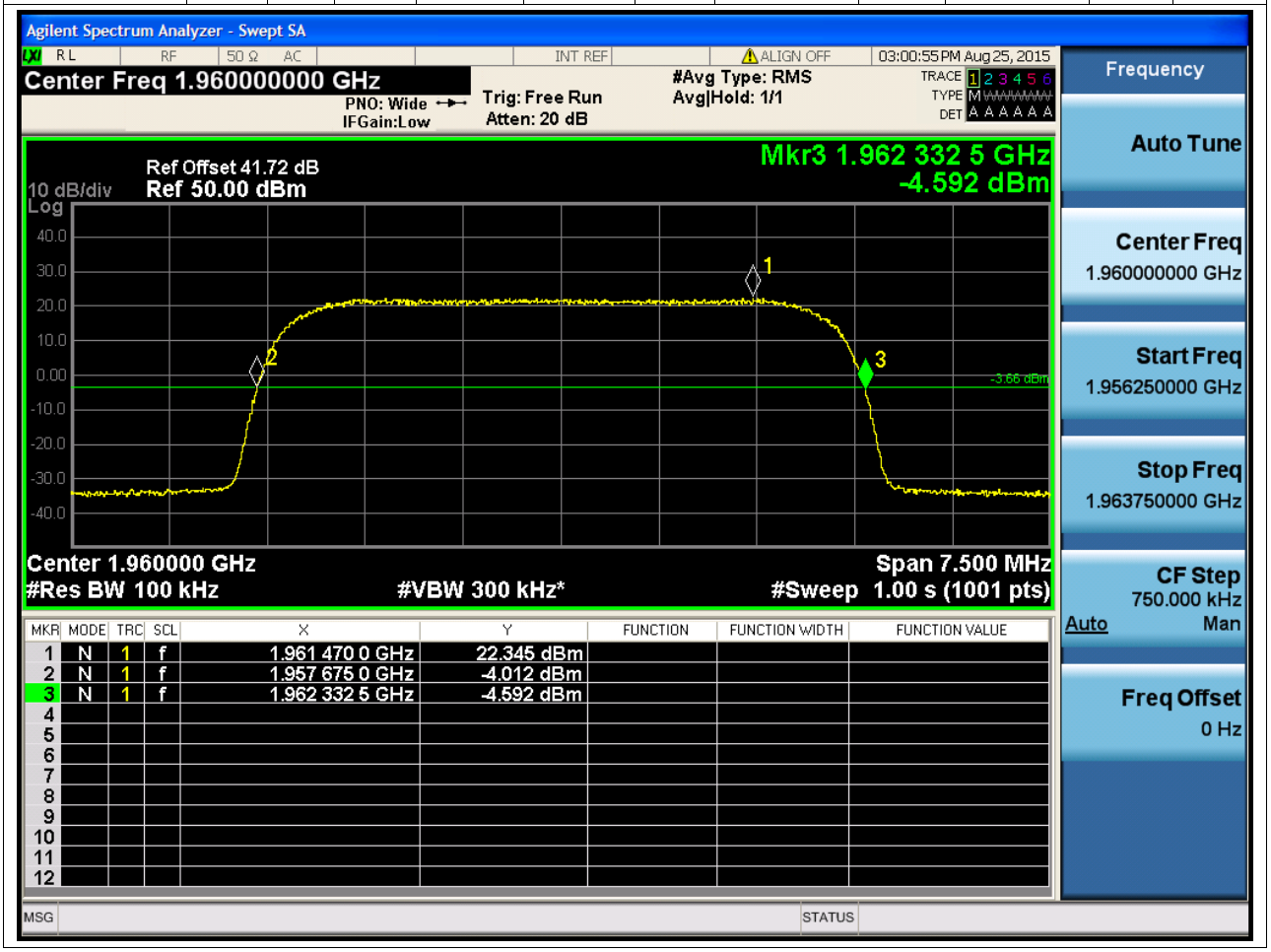
2.3.13 1U_B

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1932.4	7.5	26	0.1	RMS	4.649984	5	1930.075008	1930	1934.724992	1990	Pass



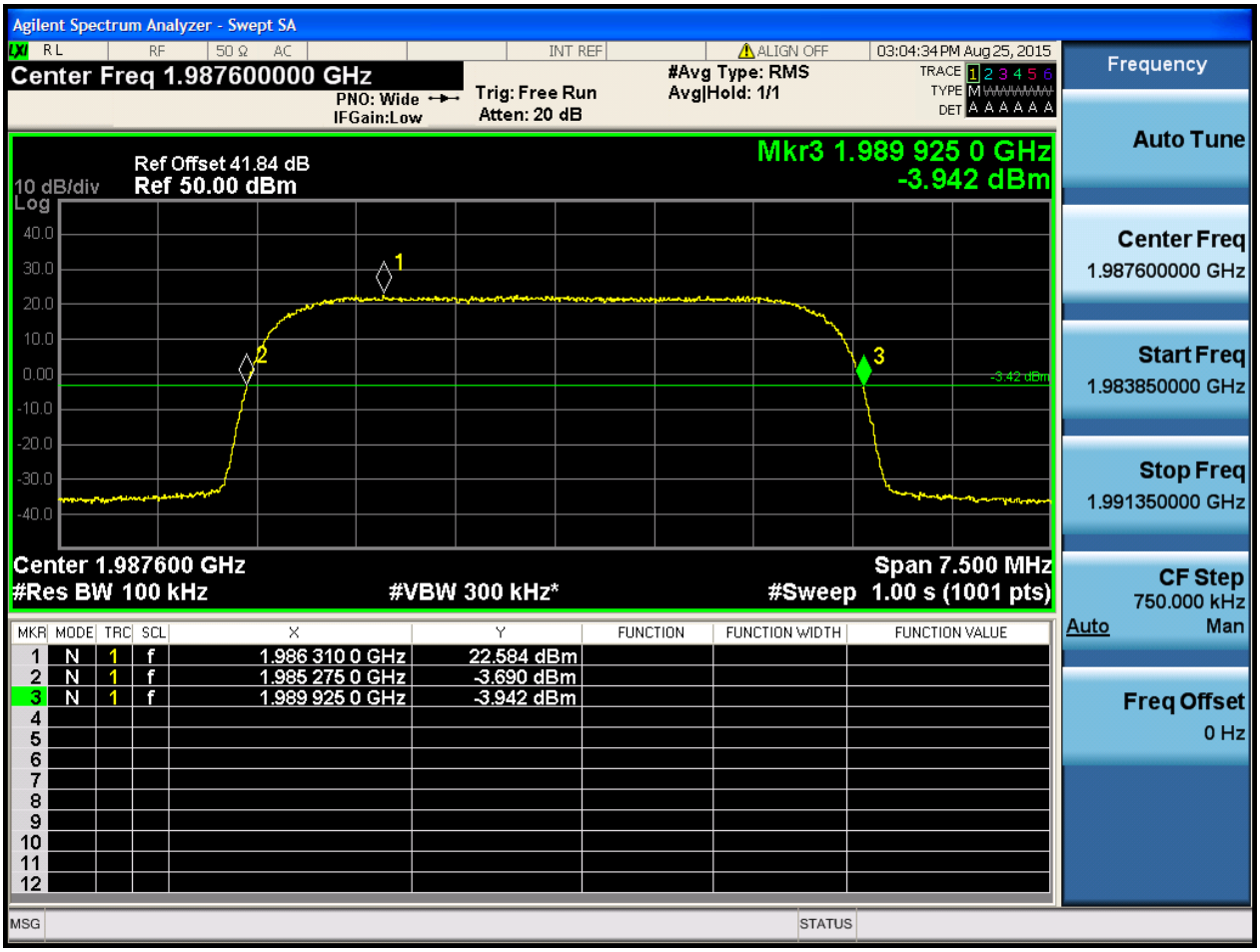
2.3.14 1U_M

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1960	7.5	26	0.1	RMS	4.657536	5	1957.675008	1930	1962.332544	1990	Pass



2.3.15 1U_T

Center Frequency[MHz]	Span [MHz]	ndB [dB]	RBW [MHz]	Detector	ndB BW [MHz]	BW Limit [MHz]	Lower Freq [MHz]	Lower Limit [MHz]	Upper Freq [MHz]	Upper Limit [MHz]	Verdict
1987.6	7.5	26	0.1	RMS	4.649984	5	1985.275008	1930	1989.924992	1990	Pass



Appendix C1: Band Edges Compliance

1 Result Table

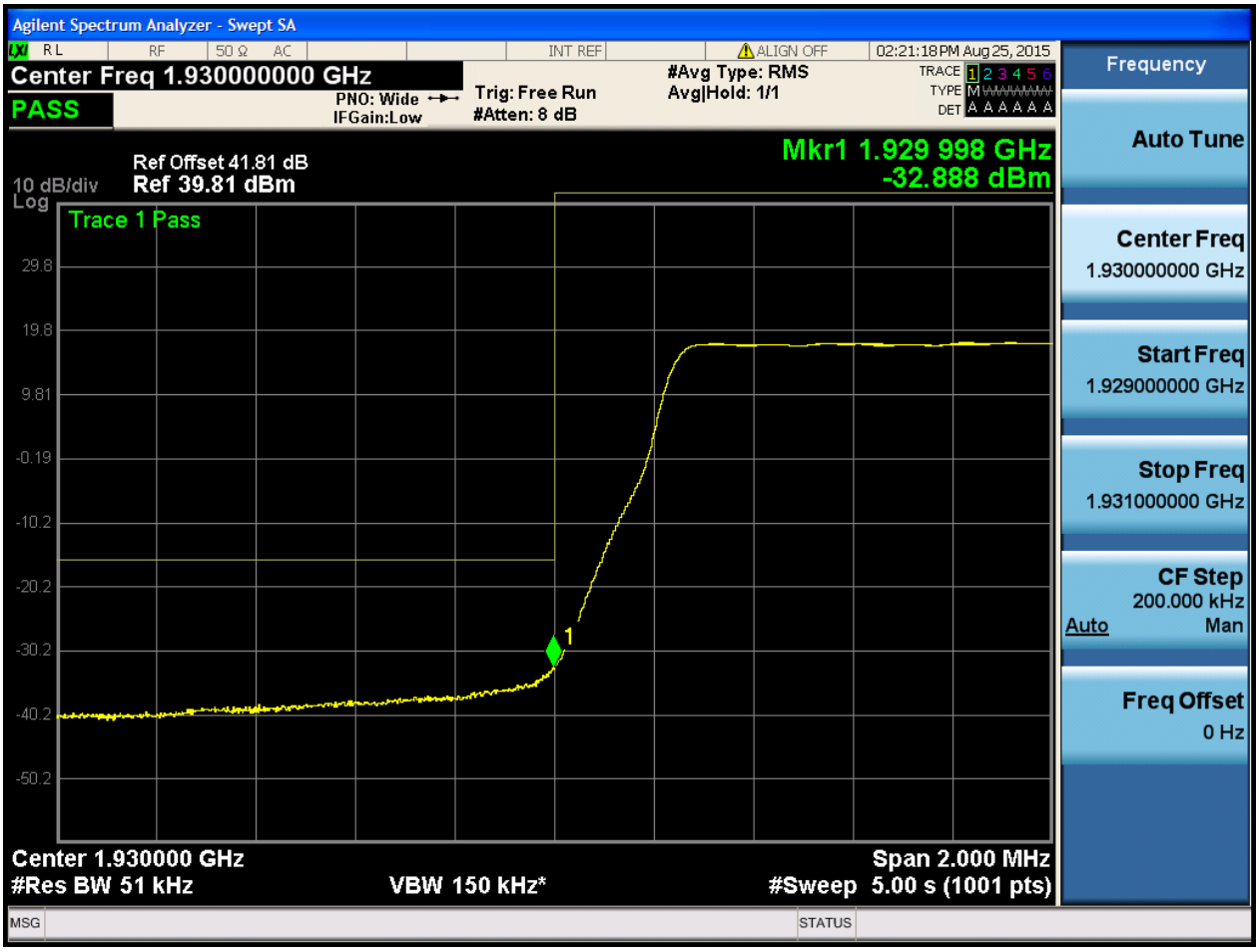
NOTE: The offset of measurement filter -3dB point may be considered when identifying the maximum emission for e.g. the CDMA, WCDMA, WiMAX, LTE systems.

EUT Conf.	Maximum Emission [dBm]	Verdict
1L_ 5M_B	<-13	Pass
1L_ 5M _T	<-13	Pass
1L_ 20M_B	<-13	Pass
1L_ 20M_T	<-13	Pass
1U_B	<-13	Pass
1U_T	<-13	Pass
1U1L_B	<-13	Pass
1U1L_T	<-13	Pass

2 Test Plot

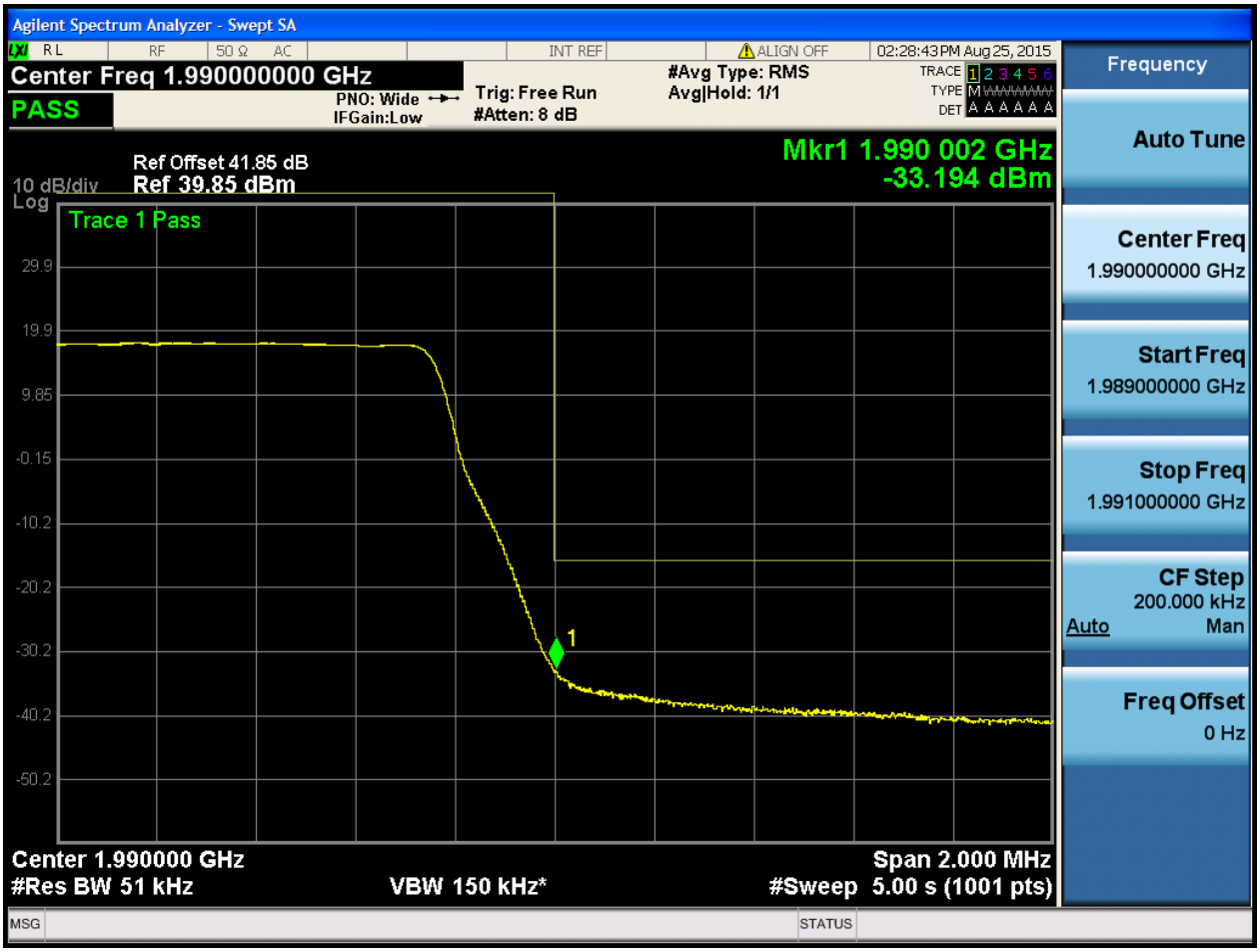
2.1 1L_ 5M_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.051	RMS	Pass	1001



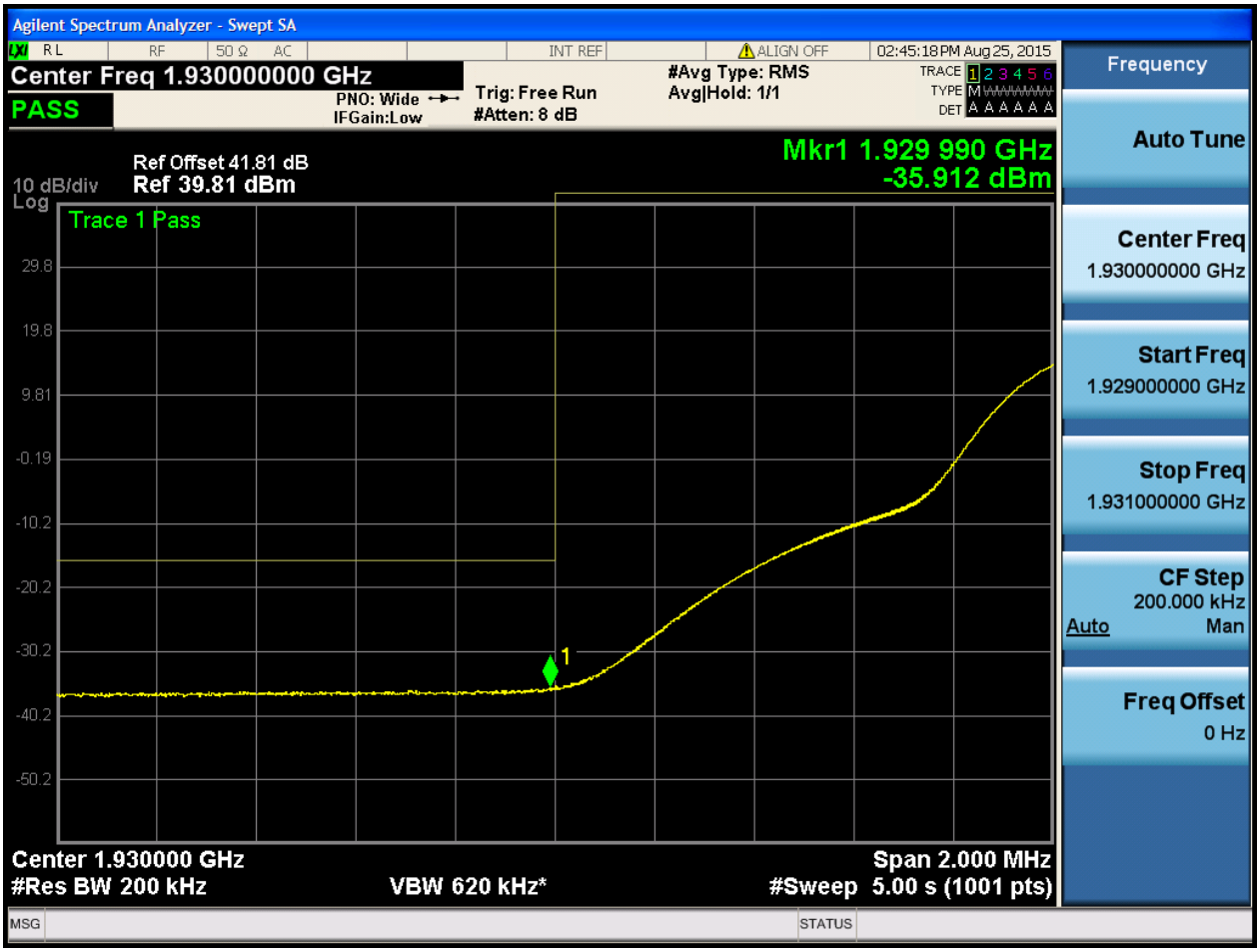
2.2 1L_ 5M_T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1990	2	0.051	RMS	Pass	1001



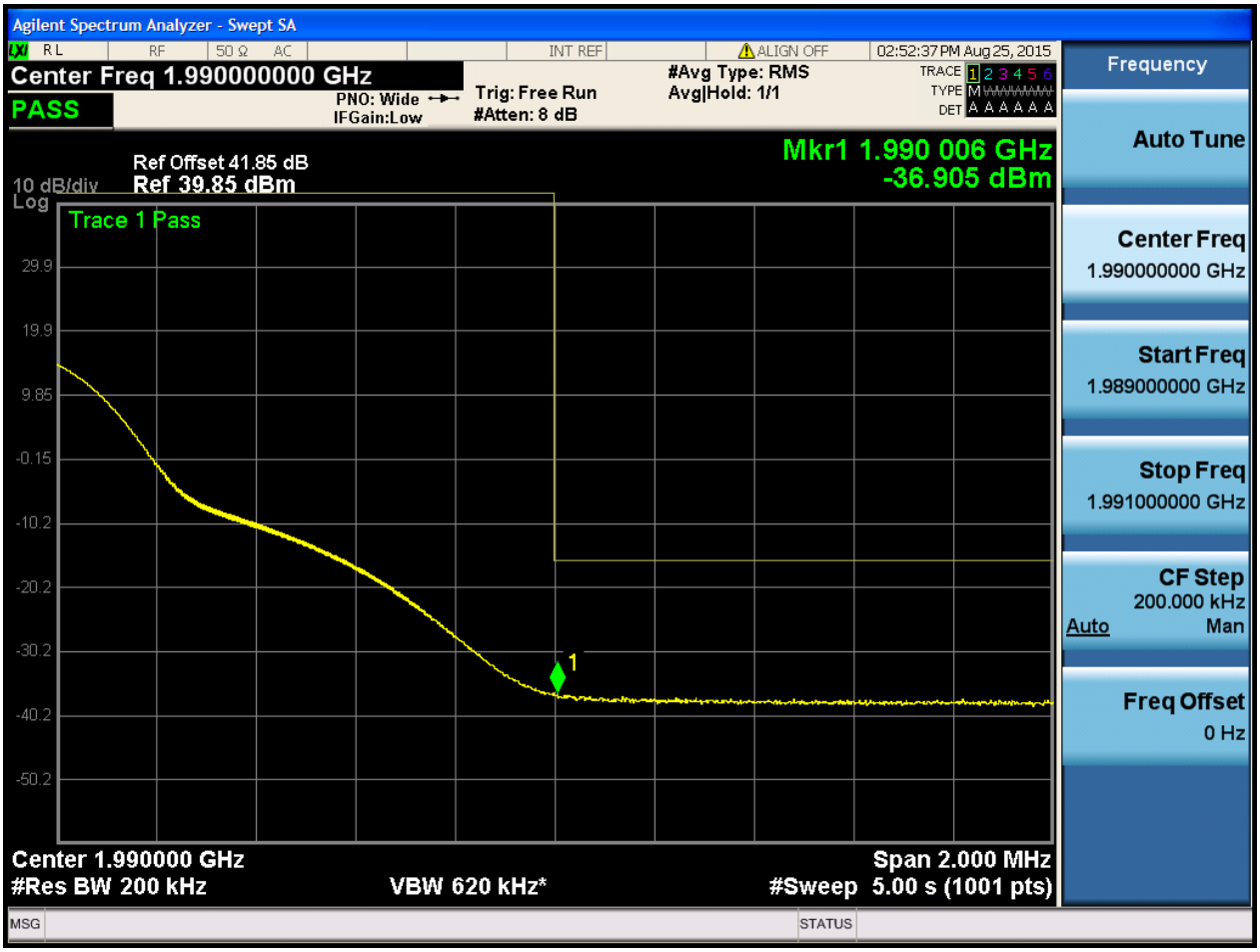
2.3 1L_ 20M_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.2	RMS	Pass	1001



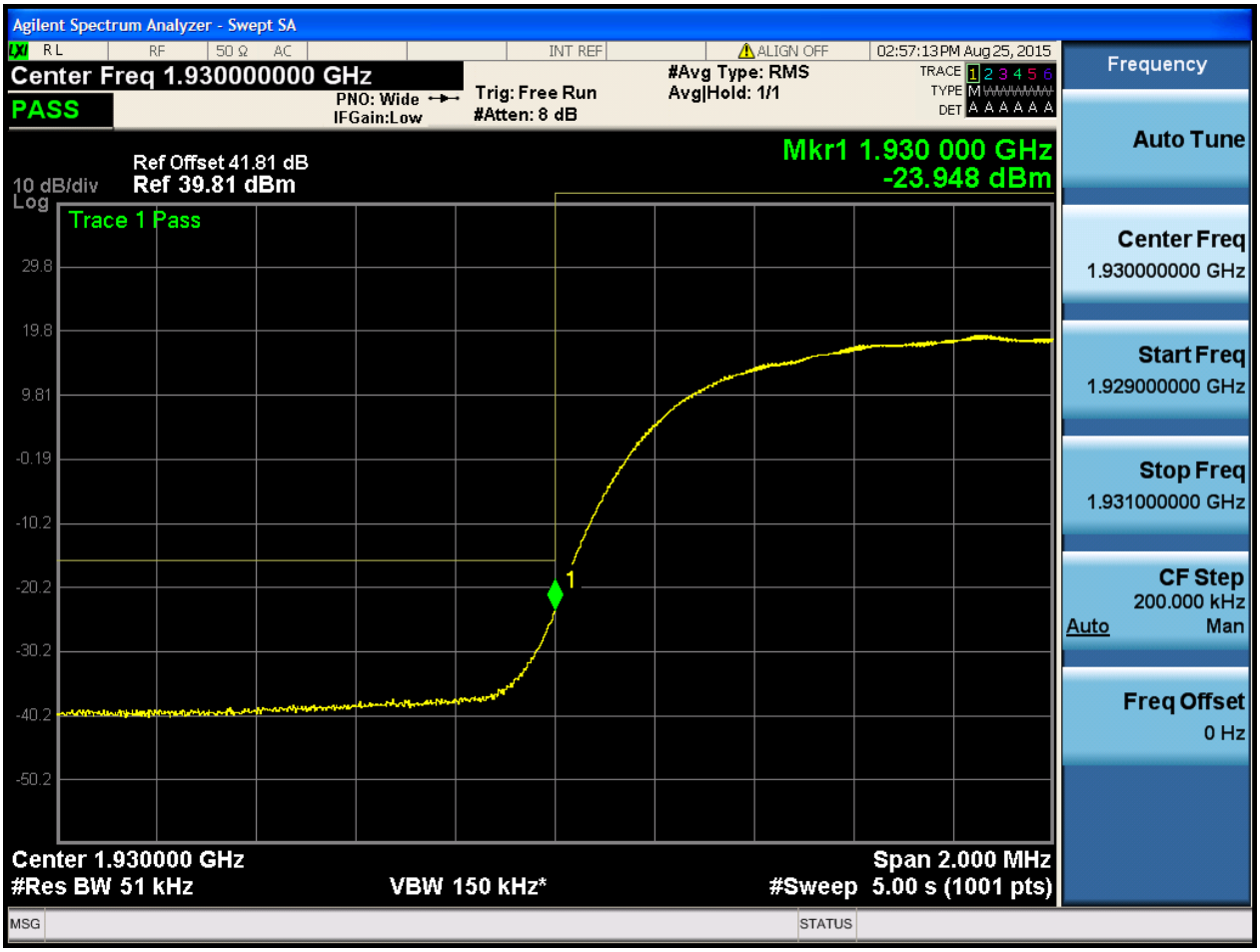
2.4 1L_ 20M _T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1990	2	0.2	RMS	Pass	1001



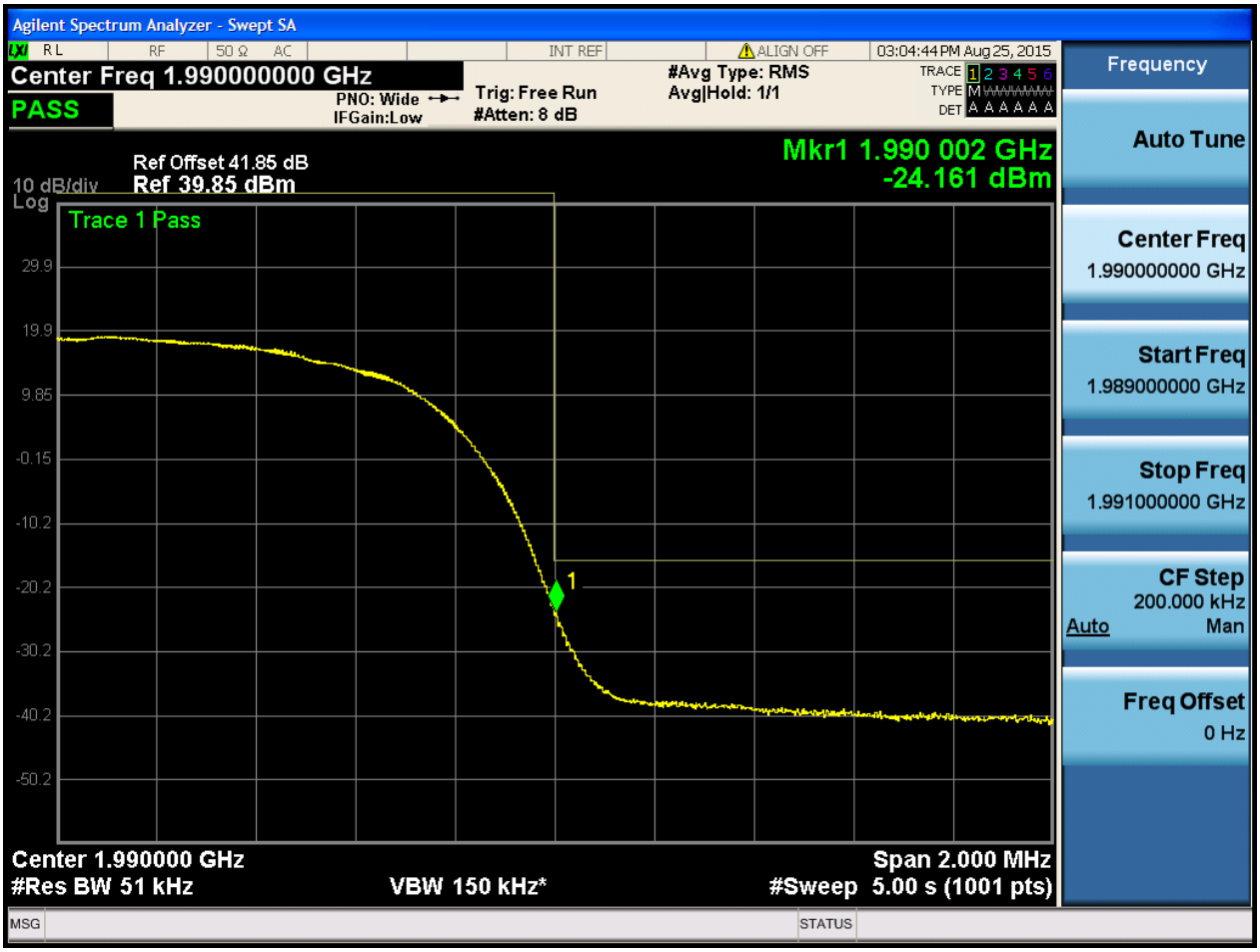
2.5 1U_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.051	RMS	Pass	1001



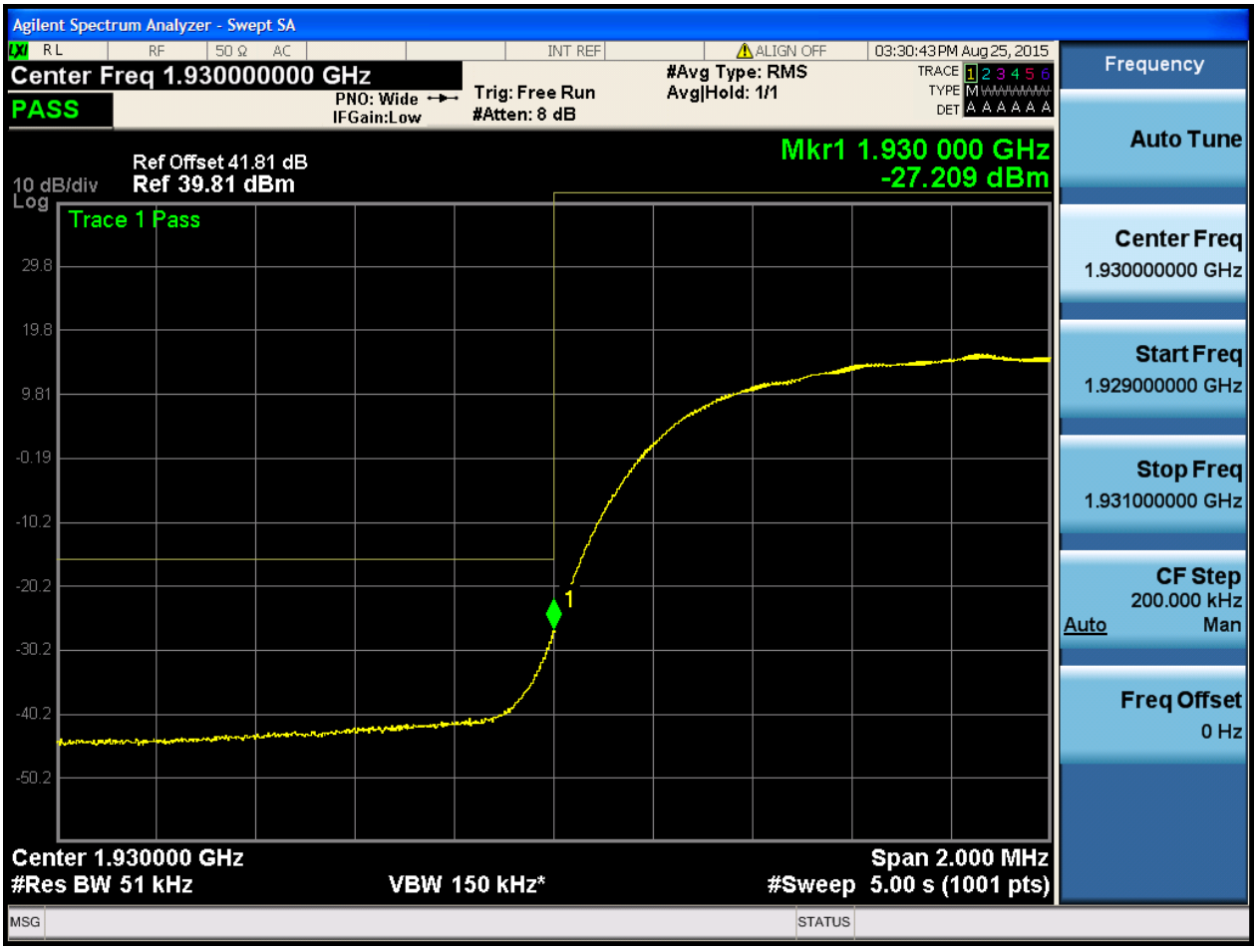
2.6 1U_T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1990	2	0.051	RMS	Pass	1001



2.7 1U1L_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1930	2	0.051	RMS	Pass	1001



2.8 1U1L_T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
1990	2	0.051	RMS	Pass	1001

Appendix D1: Spurious Emission at Antenna Terminals

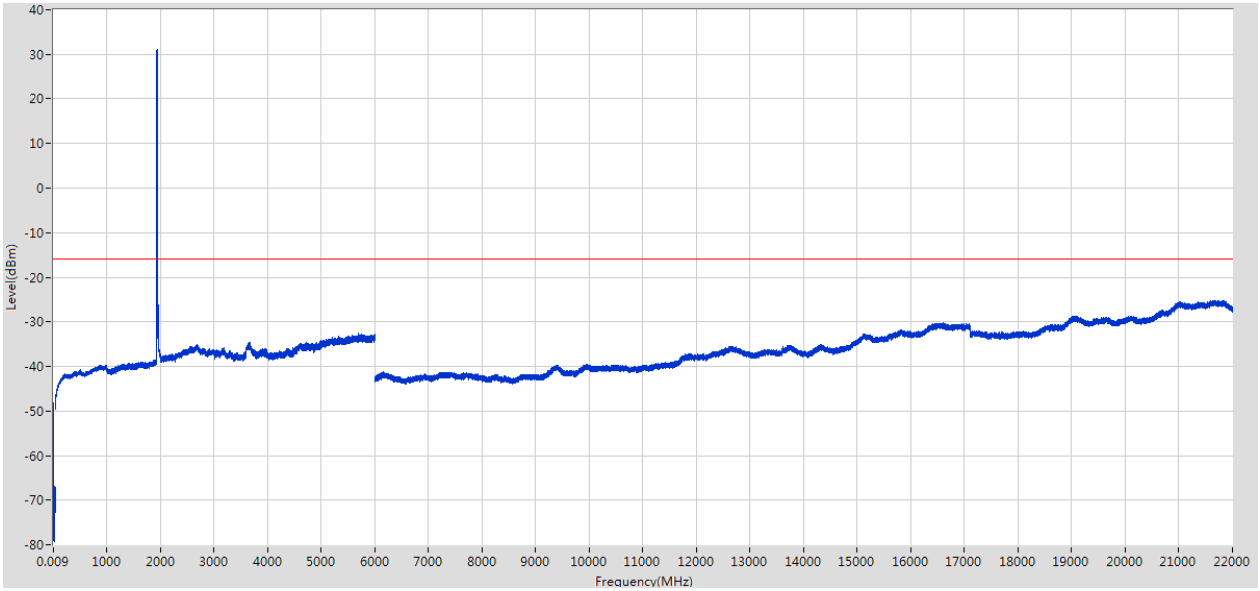
1 Result Table

EUT Conf.	Maximum Emission [dBm]	Verdict
1L_ 5M_B	<-13	Pass
1L_ 5M_M	<-13	Pass
1L_ 5M_T	<-13	Pass
1L_ 20M_B	<-13	Pass
1L_ 20M_M	<-13	Pass
1L_ 20M_T	<-13	Pass
1U_B	<-13	Pass
1U_M	<-13	Pass
1U_T	<-13	Pass
1U1L_B	<-13	Pass
1U1L_T	<-13	Pass

2 Test Plot

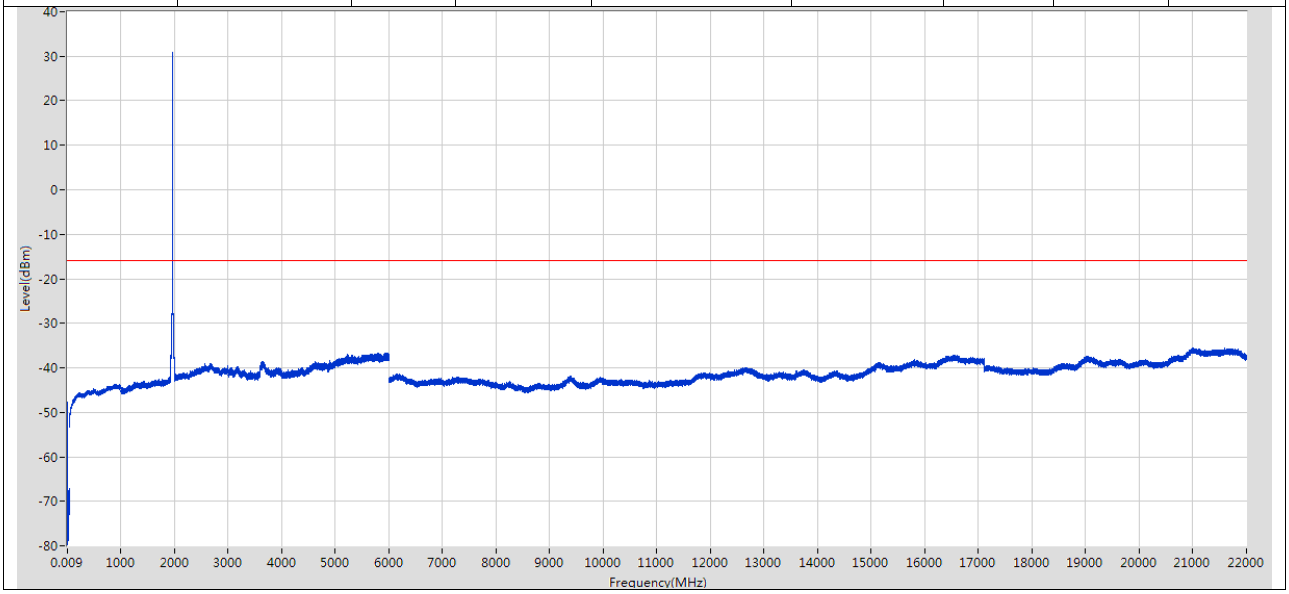
2.1 1L_ 5M_B

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	-48.1	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-53.41	-16	Pass	14925
30	1000	1	RMS	988.397608 M	-39.79	-16	Pass	4850
1000	3000	1	RMS	1933.293329 M	31.04	-16	---	10000
3000	6000	1	RMS	5692.379492 M	-32.58	-16	Pass	15000
6000	22000	1	RMS	21646.39116 M	-25.16	-16	Pass	80000



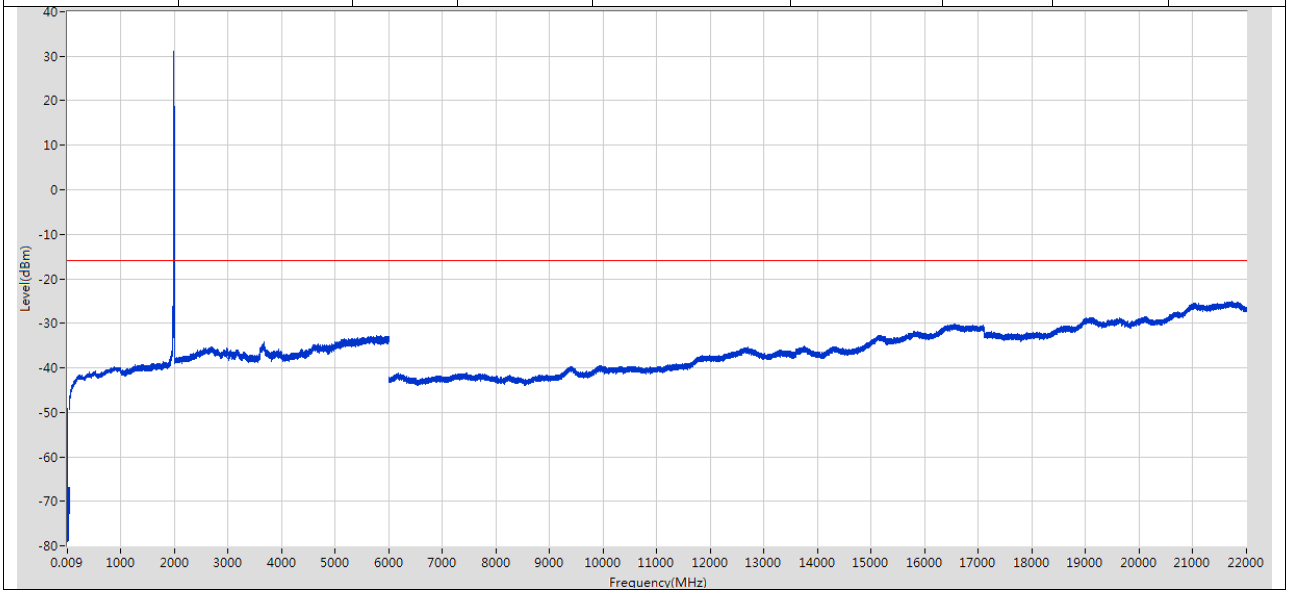
2.2 1L_ 5M_M

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	-47.65	-16	Pass	1001
0.15	30	0.01	RMS	162.001 k	-53.86	-16	Pass	14925
30	1000	1	RMS	886.576614 M	-43.65	-16	Pass	4850
1000	3000	1	RMS	1960.69607 M	30.93	-16	---	10000
3000	6000	1	RMS	5791.586106 M	-36.67	-16	Pass	15000
6000	22000	1	RMS	21013.975349 M	-35.58	-16	Pass	80000



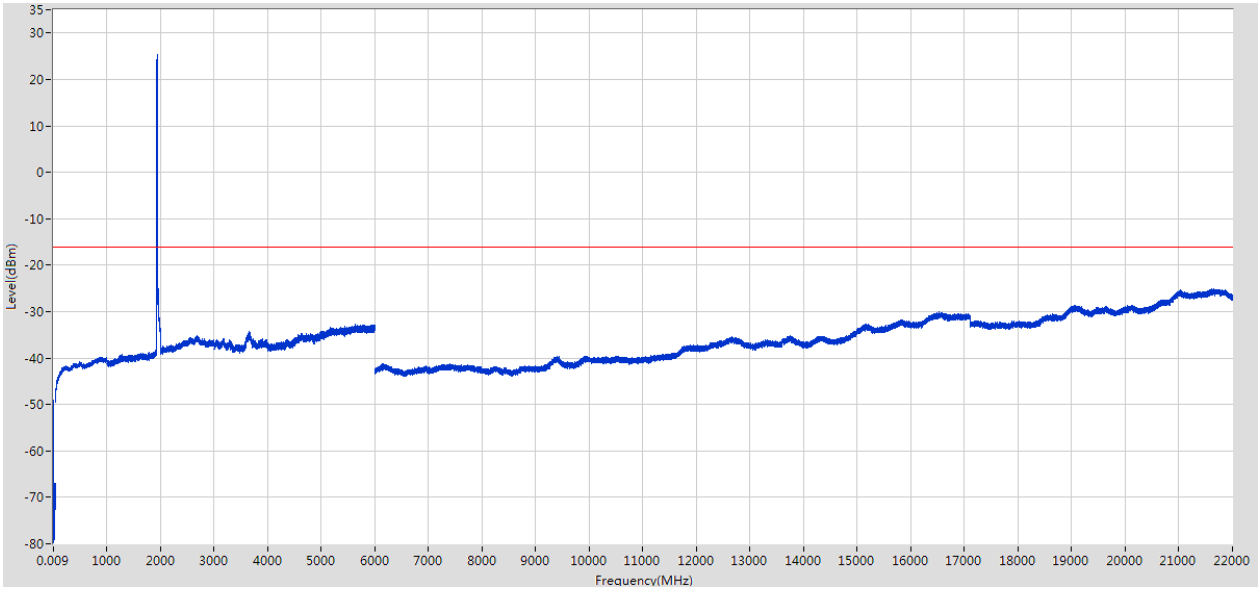
2.3 1L_ 5M_T

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	-49.04	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-52.4	-16	Pass	14925
30	1000	1	RMS	873.17385 M	-39.85	-16	Pass	4850
1000	3000	1	RMS	1987.49875 M	31.1	-16	---	10000
3000	6000	1	RMS	5840.389359 M	-32.68	-16	Pass	15000
6000	22000	1	RMS	21724.593115 M	-25.13	-16	Pass	80000



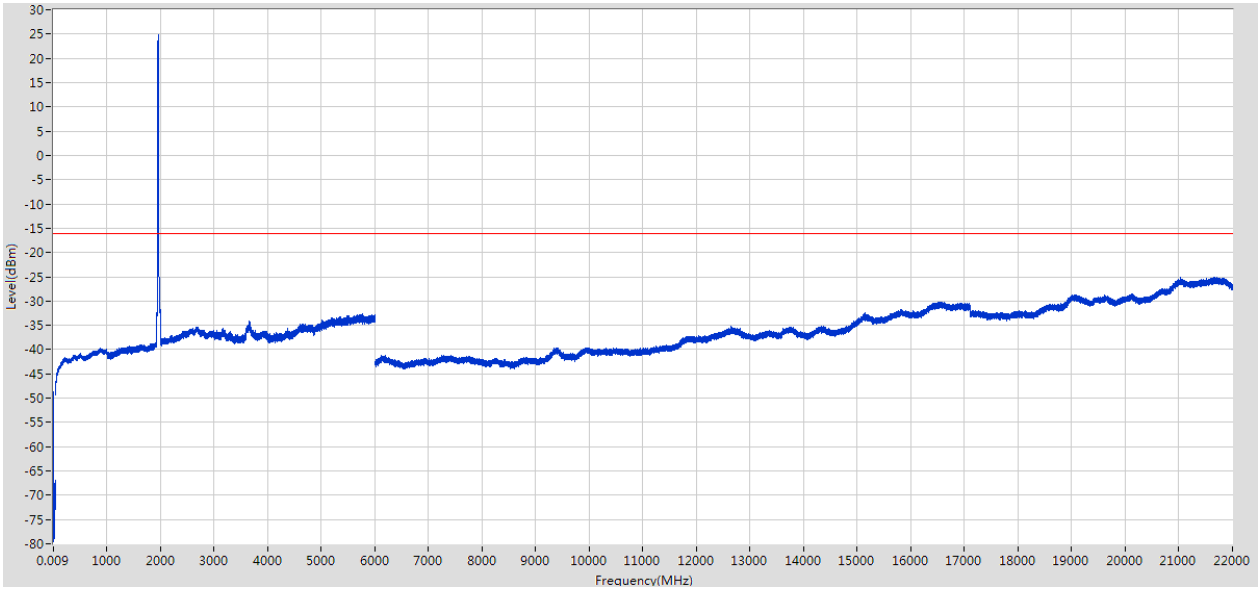
2.4 1L_ 20M_B

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	-49.06	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-52.99	-16	Pass	14925
30	1000	1	RMS	999.399876 M	-39.79	-16	Pass	4850
1000	3000	1	RMS	1946.494649 M	25.37	-16	---	10000
3000	6000	1	RMS	5635.175678 M	-32.8	-16	Pass	15000
6000	22000	1	RMS	21652.991325 M	-25.1	-16	Pass	80000



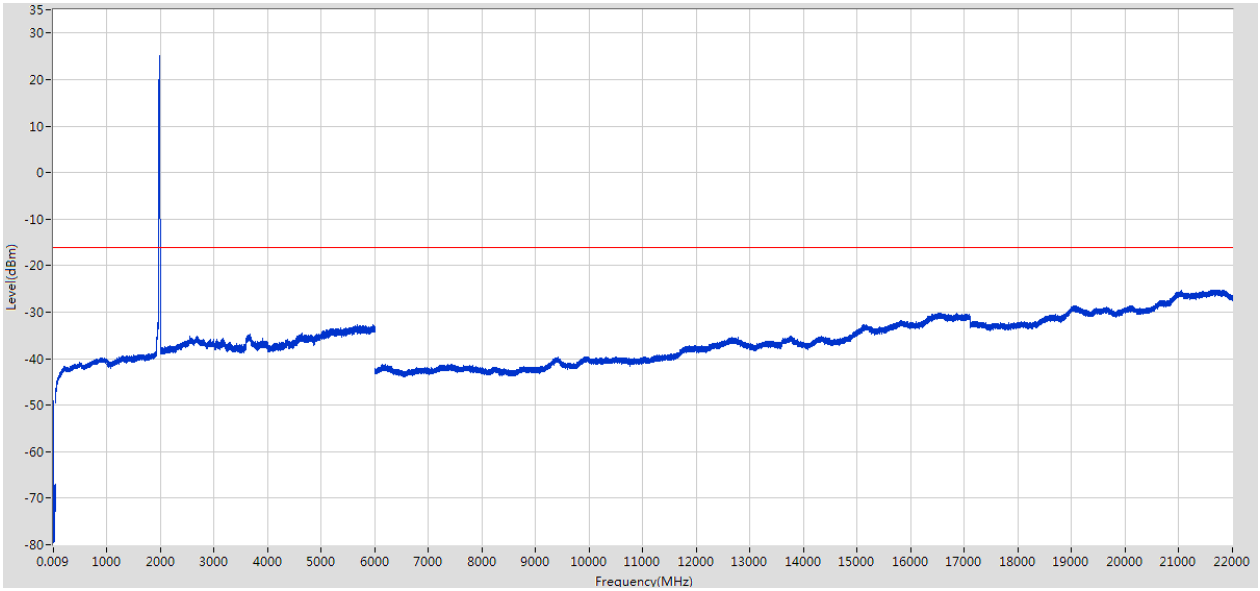
2.5 1L_ 20M_M

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	-48.77	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-52.9	-16	Pass	14925
30	1000	1	RMS	870.973397 M	-39.68	-16	Pass	4850
1000	3000	1	RMS	1966.29663 M	24.78	-16	---	10000
3000	6000	1	RMS	5765.984399 M	-32.66	-16	Pass	15000
6000	22000	1	RMS	21705.792645 M	-25.09	-16	Pass	80000



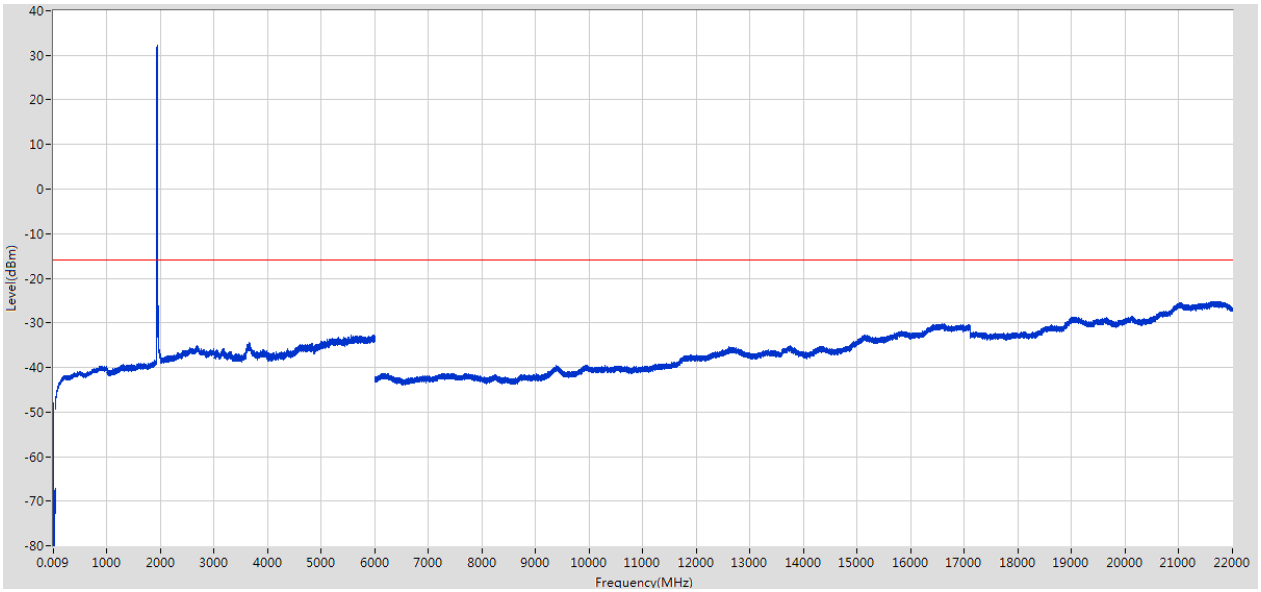
2.6 1L_ 20M_T

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	-49.08	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-52.15	-16	Pass	14925
30	1000	1	RMS	874.374098 M	-39.8	-16	Pass	4850
1000	3000	1	RMS	1973.09731 M	25.13	-16	---	10000
3000	6000	1	RMS	5673.578239 M	-32.61	-16	Pass	15000
6000	22000	1	RMS	21694.39236 M	-25.23	-16	Pass	80000



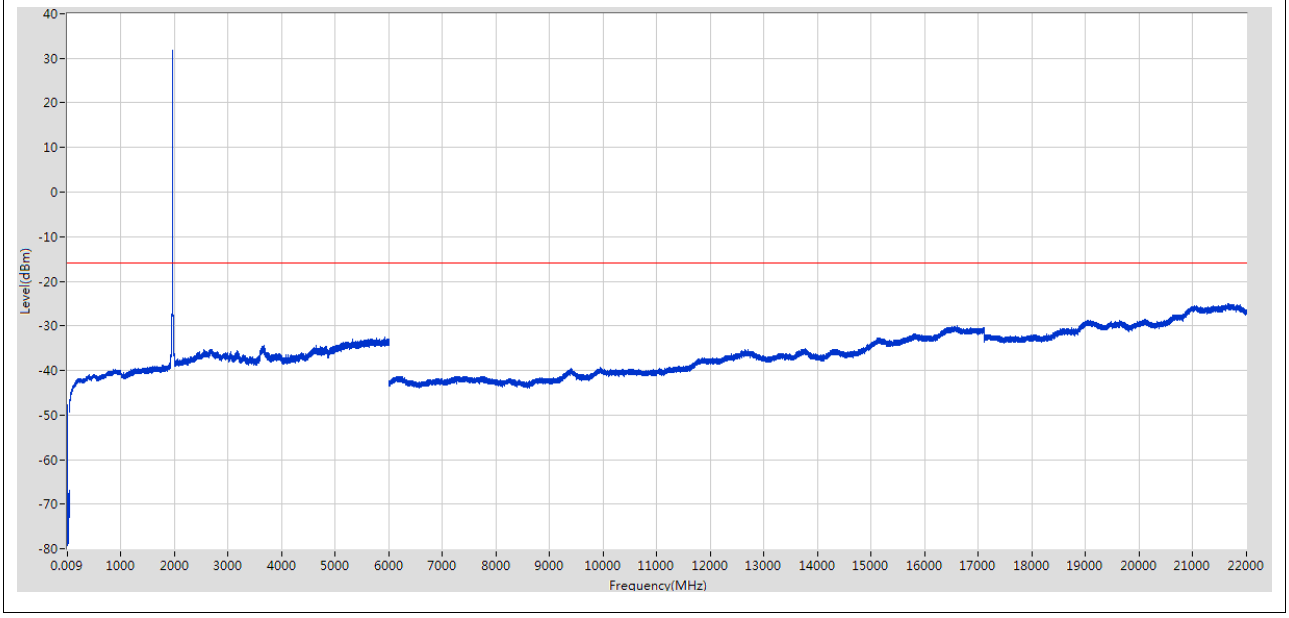
2.7 1U_B

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	-47.87	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-52.83	-16	Pass	14925
30	1000	1	RMS	886.776655 M	-39.73	-16	Pass	4850
1000	3000	1	RMS	1932.493249 M	32.19	-16	---	10000
3000	6000	1	RMS	5970.998067 M	-32.64	-16	Pass	15000
6000	22000	1	RMS	21620.79052 M	-25.15	-16	Pass	80000



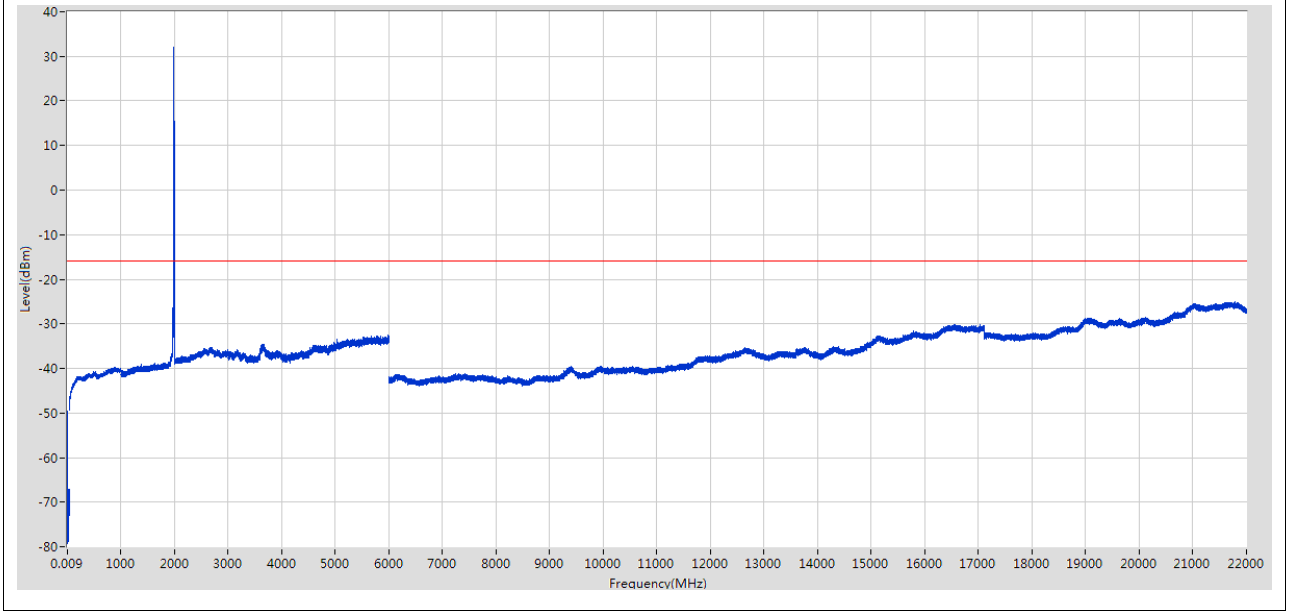
2.8 1U_M

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	9.564 k	-47.76	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-53.54	-16	Pass	14925
30	1000	1	RMS	858.170757 M	-39.74	-16	Pass	4850
1000	3000	1	RMS	1959.49595 M	31.82	-16	---	10000
3000	6000	1	RMS	5924.794986 M	-32.43	-16	Pass	15000
6000	22000	1	RMS	21668.79172 M	-25.02	-16	Pass	80000



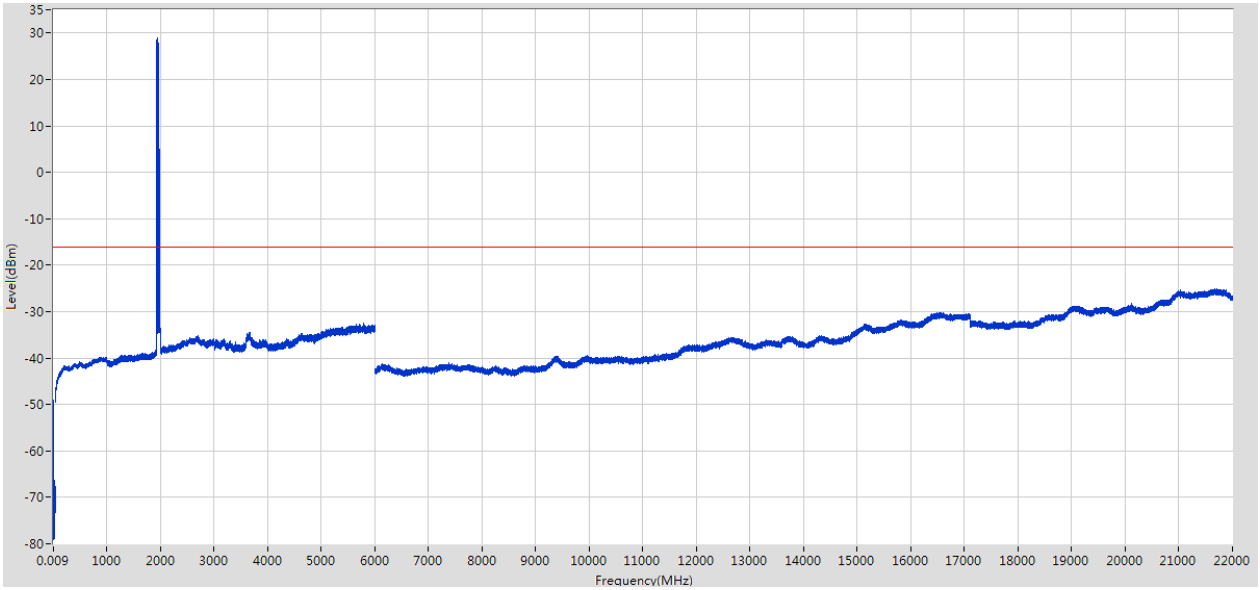
2.9 1U_T

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	-49.49	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-52.68	-16	Pass	14925
30	1000	1	RMS	869.373067 M	-39.76	-16	Pass	4850
1000	3000	1	RMS	1987.29873 M	32.04	-16	---	10000
3000	6000	1	RMS	5985.799053 M	-32.51	-16	Pass	15000
6000	22000	1	RMS	21786.39466 M	-25.09	-16	Pass	80000



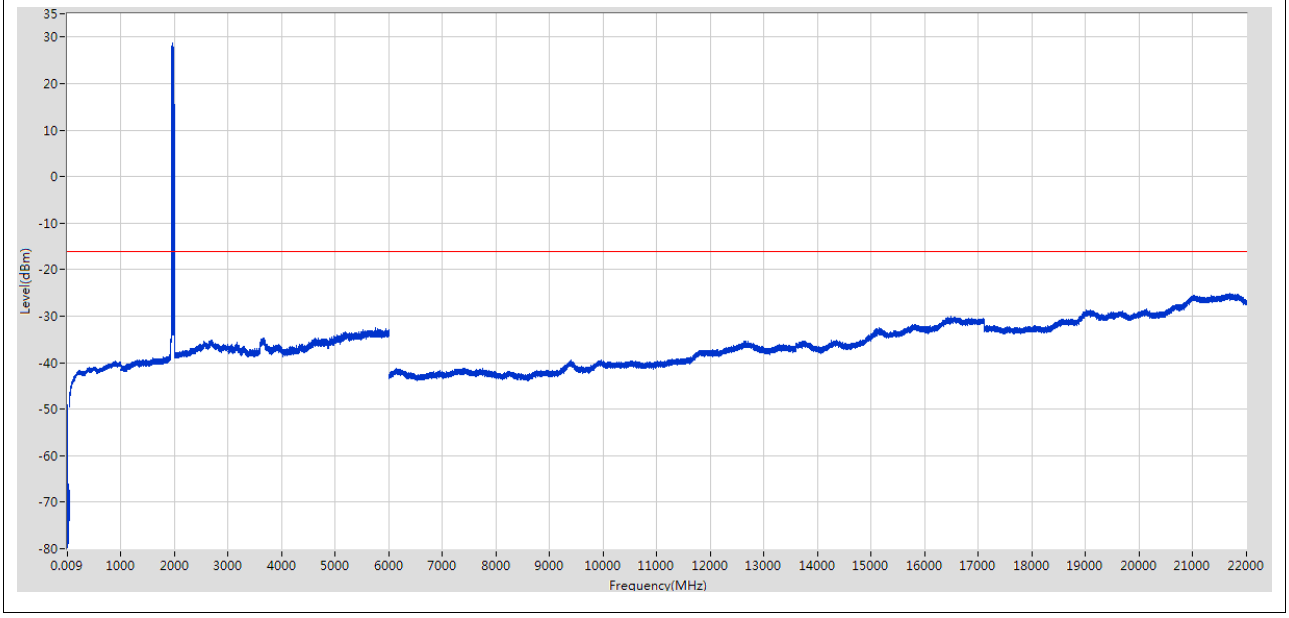
2.10 1U1L5M_B

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	9.846 k	-49.01	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-52.5	-16	Pass	14925
30	1000	1	RMS	848.96886 M	-39.83	-16	Pass	4850
1000	3000	1	RMS	1932.893289 M	28.9	-16	---	10000
3000	6000	1	RMS	5789.585972 M	-32.47	-16	Pass	15000
6000	22000	1	RMS	21704.192605 M	-25.15	-16	Pass	80000



2.11 1U1L5M_T

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	-49.08	-16	Pass	1001
0.15	30	0.01	RMS	150 k	-51.81	-16	Pass	14925
30	1000	1	RMS	897.778923 M	-39.7	-16	Pass	4850
1000	3000	1	RMS	1952.89529 M	28.83	-16	---	10000
3000	6000	1	RMS	5748.383226 M	-32.57	-16	Pass	15000
6000	22000	1	RMS	21689.19223 M	-25.04	-16	Pass	80000



Appendix E1: Radiated (Spurious) Emissions

1 Result Table

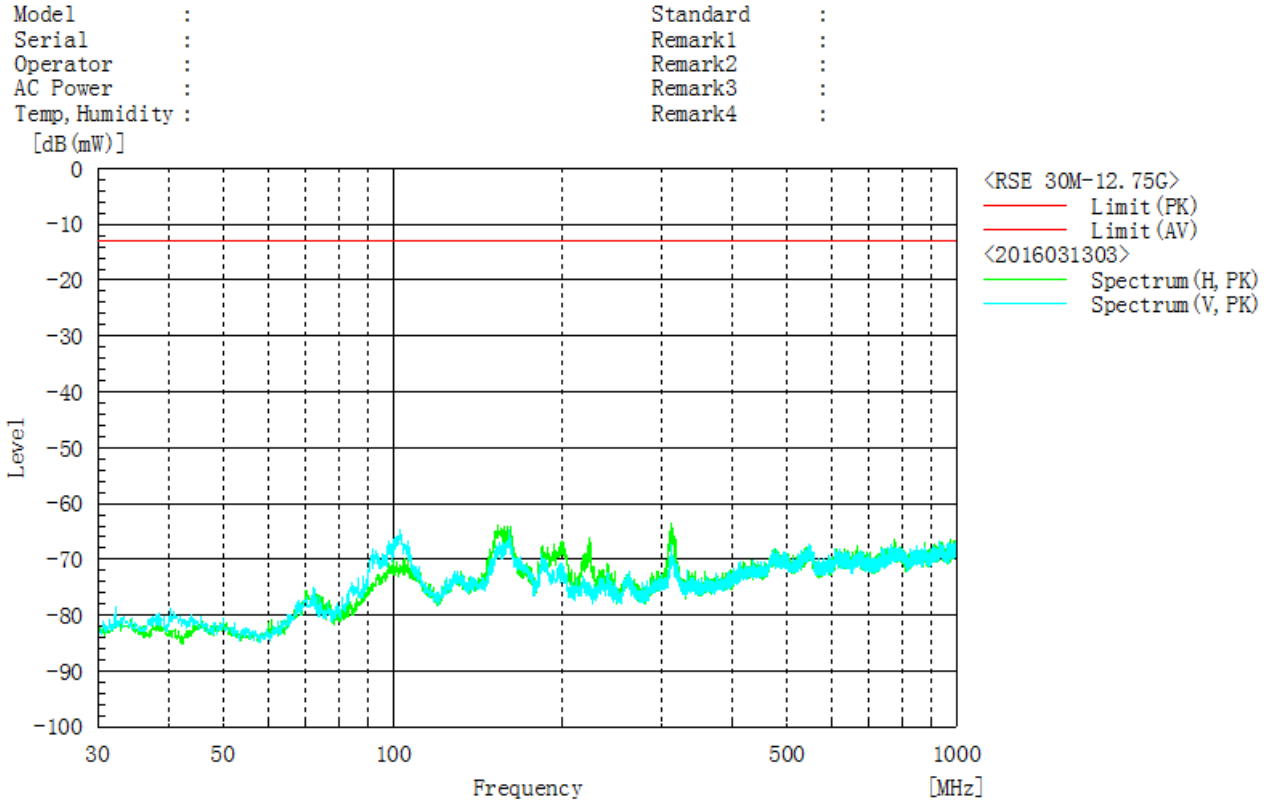
EUT Conf.	Measured Curve Conformed to the Emission Limit?	Verdict
1U1L_B (Worst case)	Yes	Pass

Note: The setting of analyzer is below

Frequency range	RBW	Detector
30MHz to 1GHz	1MHz	Average
1GHz to 18GHz	1MHz	Average
18GHz to 26.5GHz	1MHz	Average

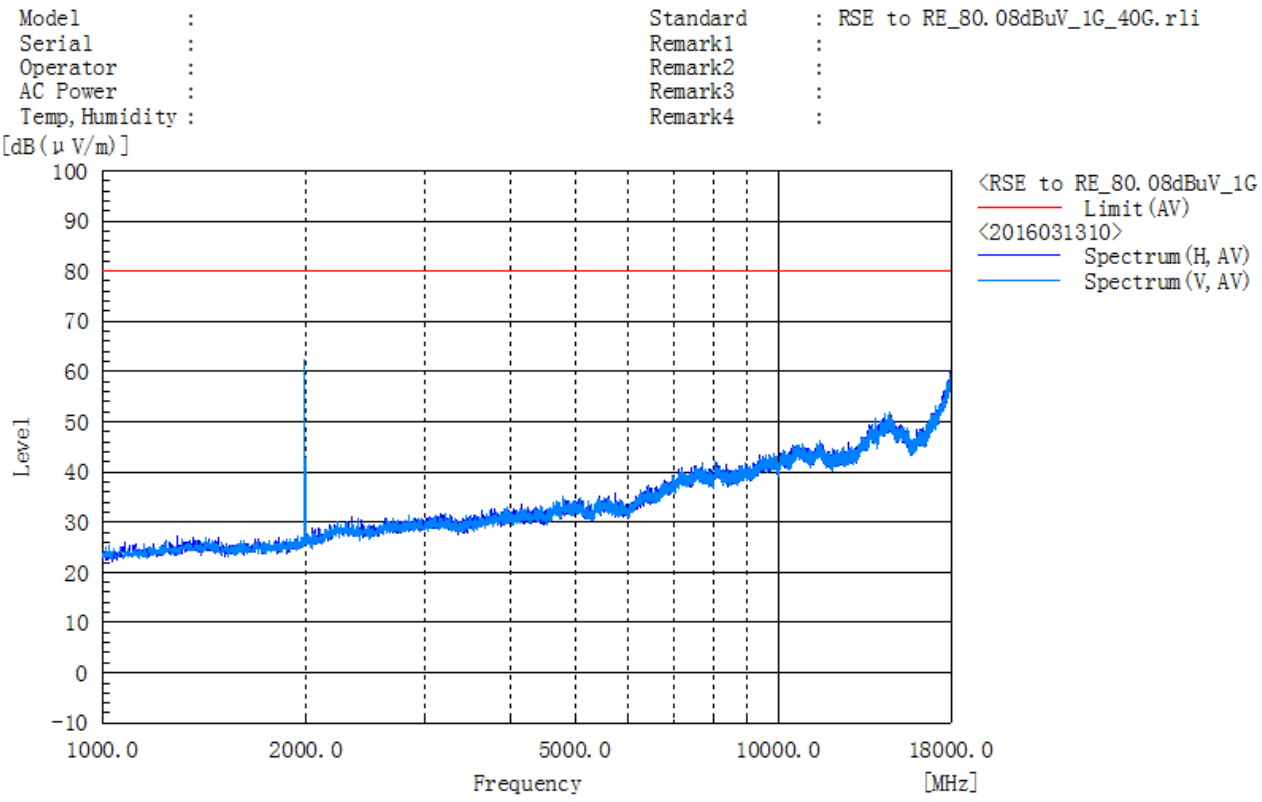
2 Test Plot

2.1 30MHz-1GHz

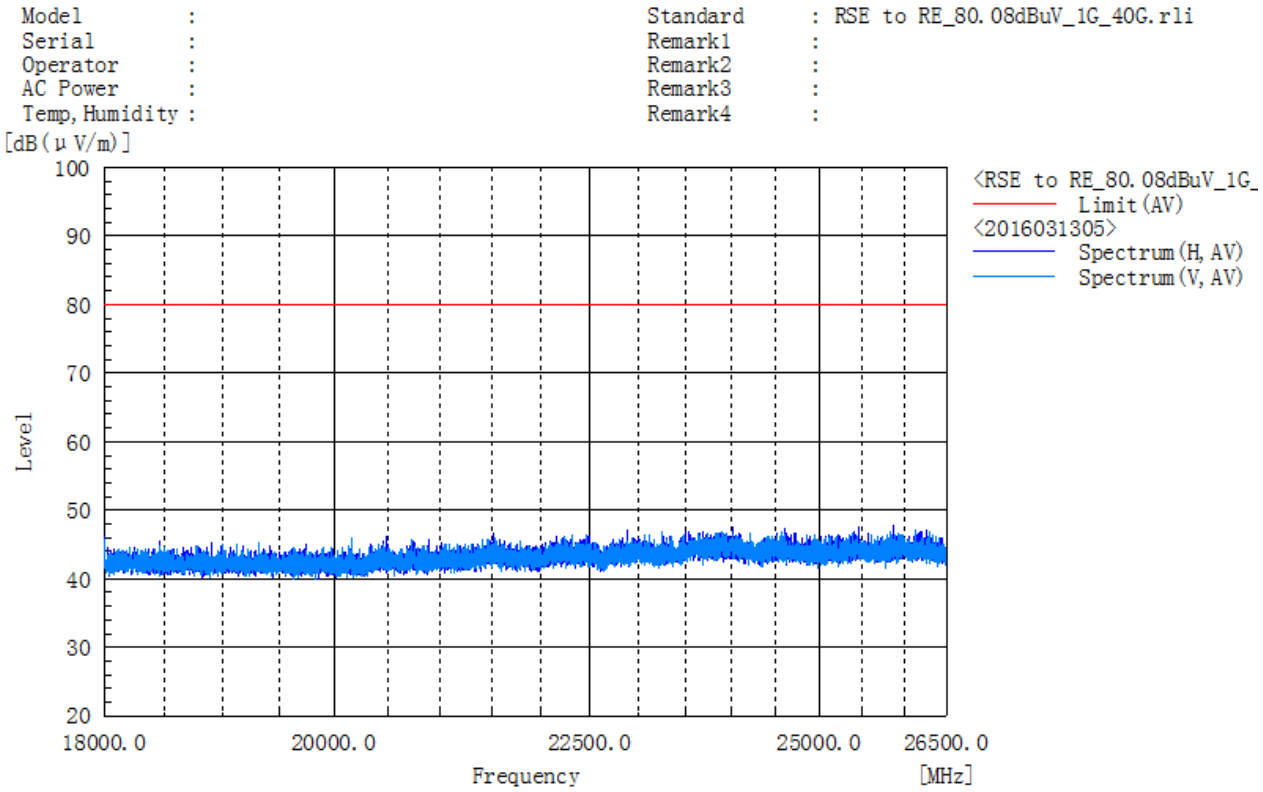


2.2 1GHz-18GHz

Note: the signal exceeding the limit line is the wanted signal.



2.3 18GHz-26.5GHz



Appendix F1: Frequency Stability

1 Result Table

1.1 Frequency Error

(1) Frequency Error vs. Temperature:

EUT Conf.	Voltage	Temperature	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L_ 5M_M	100%	-30 °C	-1.73	-0.00088	-0.00029	Pass
		-20 °C	-1.14	-0.00058	0.00001	Pass
		-10 °C	-2.19	-0.00112	-0.00053	Pass
		0 °C	-1.86	-0.00095	-0.00036	Pass
		+10 °C	-1.74	-0.00089	-0.00030	Pass
		+20 °C	-1.16	-0.00059	---	Pass
		+30 °C	-1.50	-0.00077	-0.00017	Pass
		+40 °C	-1.62	-0.00083	-0.00023	Pass
		+50 °C	-1.85	-0.00094	-0.00035	Pass

(2) Frequency Error vs. Voltage:

EUT Conf.	Temperature	Voltage	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Verdict
1L_ 5M_M	+20 °C	85 %	-1.82	-0.00093	-0.00034	Pass
		100 %	-1.16	-0.00059	---	Pass
		115 %	-1.94	-0.00099	-0.00040	Pass

1.2 Frequency Range

(Not applicable)

2 Test Plot

NOTE: Only the test plots for the measurements of Frequency Range are supplied.

(Not applicable)

Appendix G1: Receiver Spurious Emissions

1 Result Table

(Not applicable)

2 Test Plot

(Not applicable)

END