Appendix A2: Transmitter Output Power

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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 Power [W]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
1L_ 5M_B	36.731	4.711	12	---	---	---
1L_ 5M _M	36.632	4.605	12	---	---	---
1L_ 5M _T	36.895	4.892	12	---	---	---
1L_ 10M_B	36.764	4.747	12	---	---	---
1L_ 10M _M	36.710	4.688	12	---	---	---
1L_ 10M_T	36.704	4.682	12	---	---	---
1L_ 15M_B	37.071	5.094	12	---	---	---
1L_ 15M _M	37.022	5.037	12	---	---	---
1L_ 15M_T	36.988	4.998	12	---	---	---
1L_ 20M_B	37.141	5.177	12	---	---	---
1L_ 20M _M	37.091	5.118	12	---	---	---
1L_ 20M_T	37.072	5.096	12	---	---	---
2L_5+5_B	34.084,34.054	5.104	12	---	---	---
2L_5+5_T	34.011,33.858	4.949	12	---	---	---
2L_20+20_B	33.971,34.120	5.077	12	---	---	---
2L_20+20_T	33.912,33.899	4.916	12	---	---	---
1U_B	37.22	5.272	12	---	---	---
1U_M	37.176	5.219	12	---	---	---
1U_T	37.097	5.125	12	---	---	---
2U_B	33.980,34.120	5.083	12	---	---	---
2U_T	34.054,33.865	4.978	12	---	---	---
3U_B	32.014,32.335,32.025	4.896	12	---	---	---
3U_T	32.113,32.241,32.153	4.944	12	---	---	---
4U_B	30.887,30.796,31.045, 30.869	4.921	12	---	---	---
4U_T	30.973,31.124,31.048, 30.768	5.013	12	---	---	---
1U1L_B	33.836,34.187	5.041	12	---	---	---
1U1L_T	34.152,33.963	5.092	12	---	---	---

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EUT Conf.	Channel Power [dBm]	Channel Power [W]	Antenna Gain [dBi]	EIRP [W]	ERP [W]	Verdict
2U1L_B	32.102,32.217,32.465	5.053	12	---	---	---
2U1L_T	32.321,32.227,32.089	4.994	12	---	---	---

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	30.94	33.94	12	39.264	Pass
1L_ 5M _M	30.83	33.83	12	38.282	Pass
1L_ 5M _T	30.68	33.68	12	36.983	Pass
1U_B	31.4	34.4	12	43.652	Pass
1U_M	31.47	34.47	12	44.361	Pass
1U_T	31.27	34.27	12	42.364	Pass

1.3 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
1L_5M_B	6.84	Pass
1L_5M_M	6.82	Pass
1L_5M_T	6.83	Pass
1L_ 20M_B	6.91	Pass
1L_ 20M _M	6.81	Pass
1L_ 20M _T	6.93	Pass
1U_B	7.01	Pass
1U_M	7.02	Pass
1U_T	7.01	Pass

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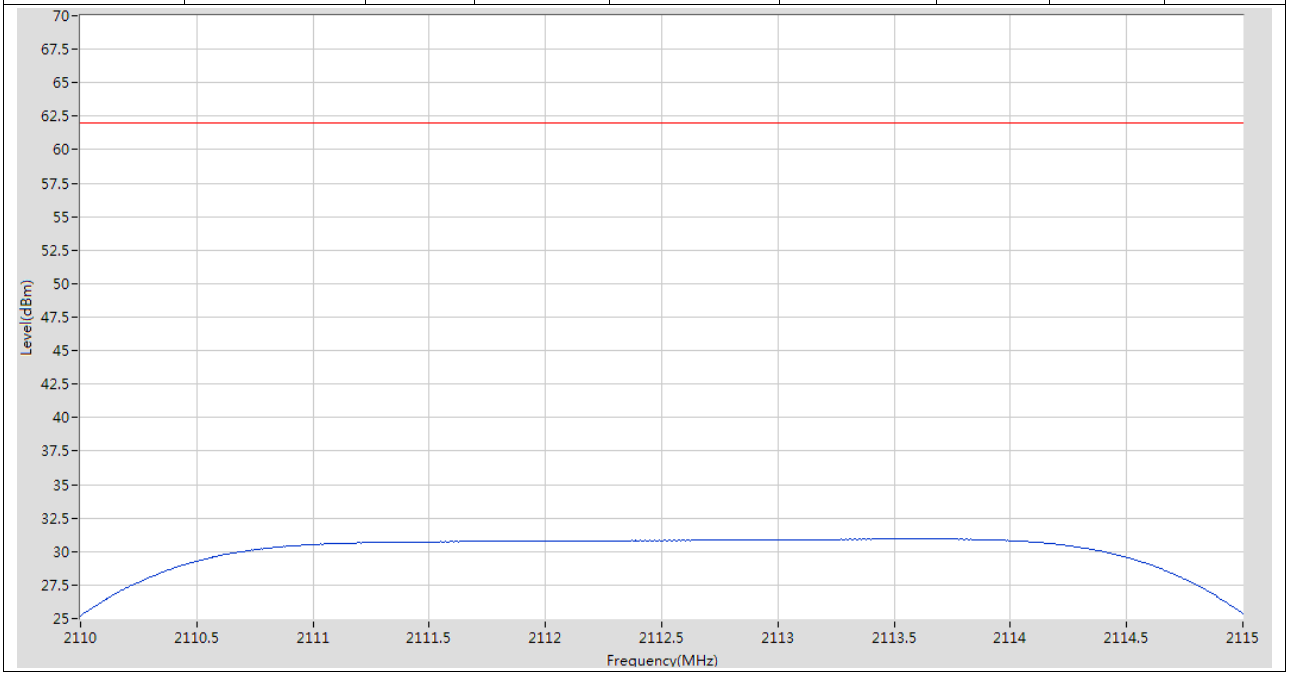
2 Test Plot

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
2110	2115	1	RMS	2113.655 M	30.94	62	Pass	1001



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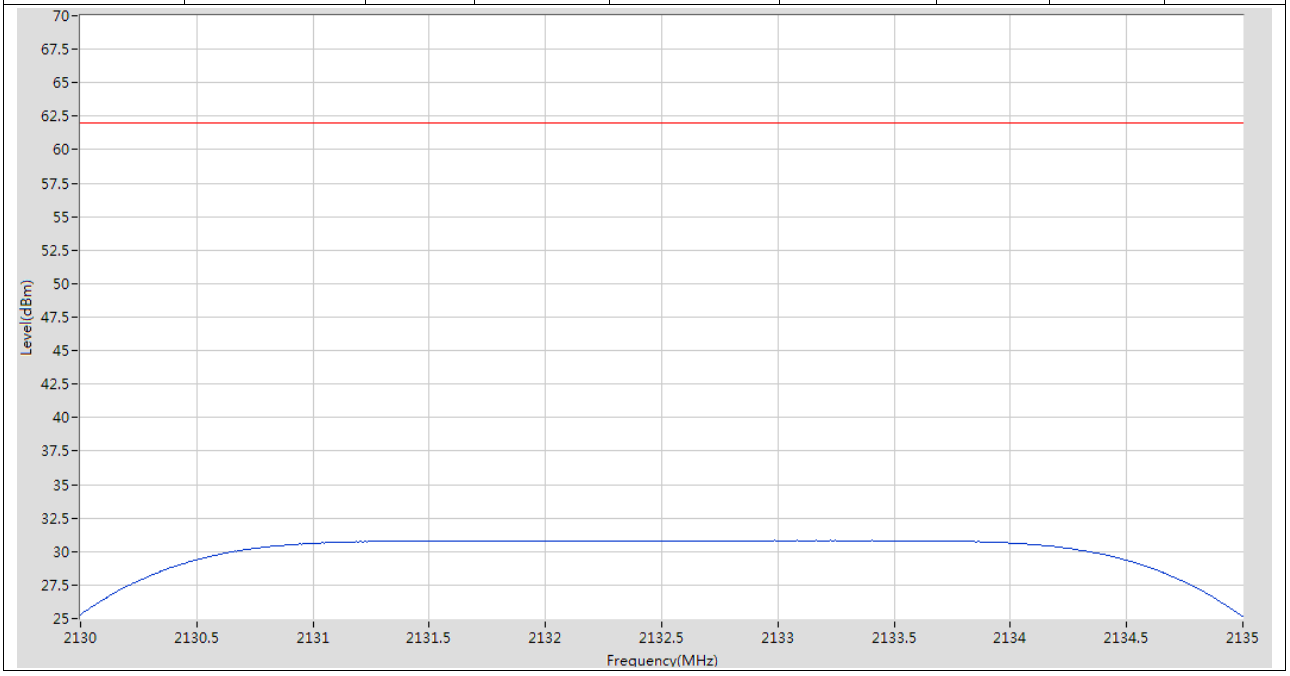
2.1.2 1L_ 5M_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2130	2135	1	RMS	2133.165 M	30.83	62	Pass	1001



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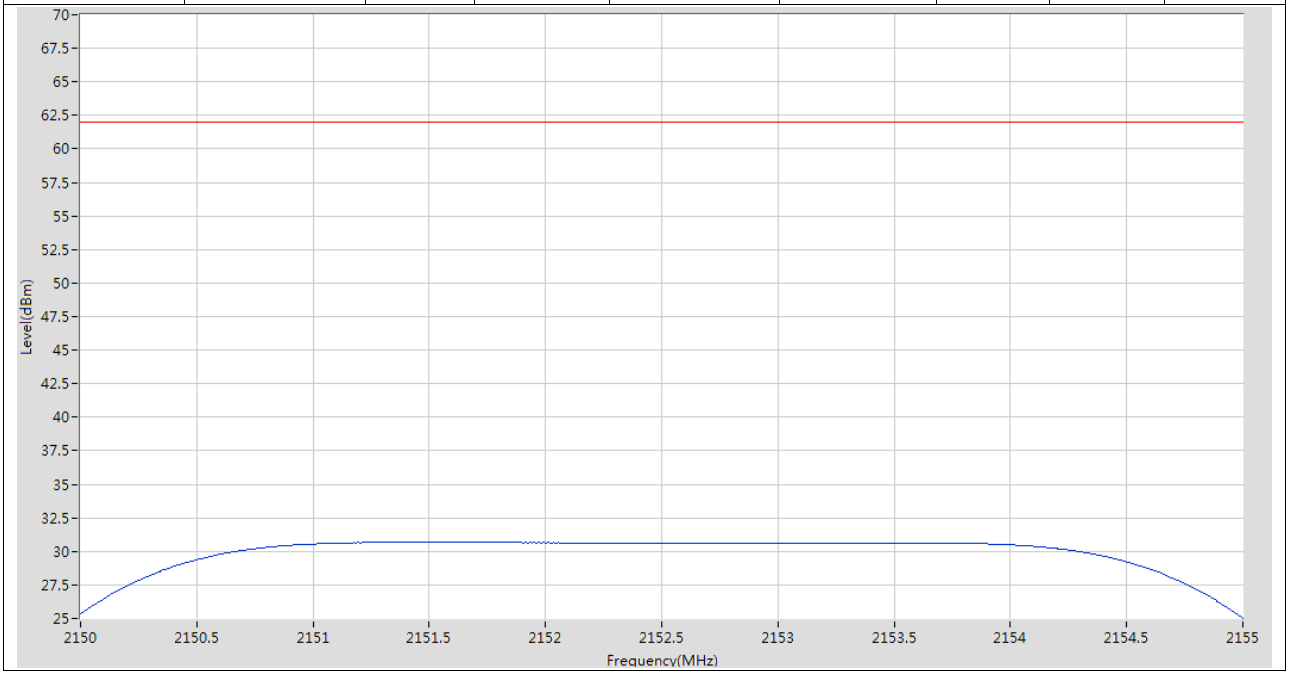
2.1.3 1L_ 5M_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2150	2155	1	RMS	2151.435 M	30.68	62	Pass	1001



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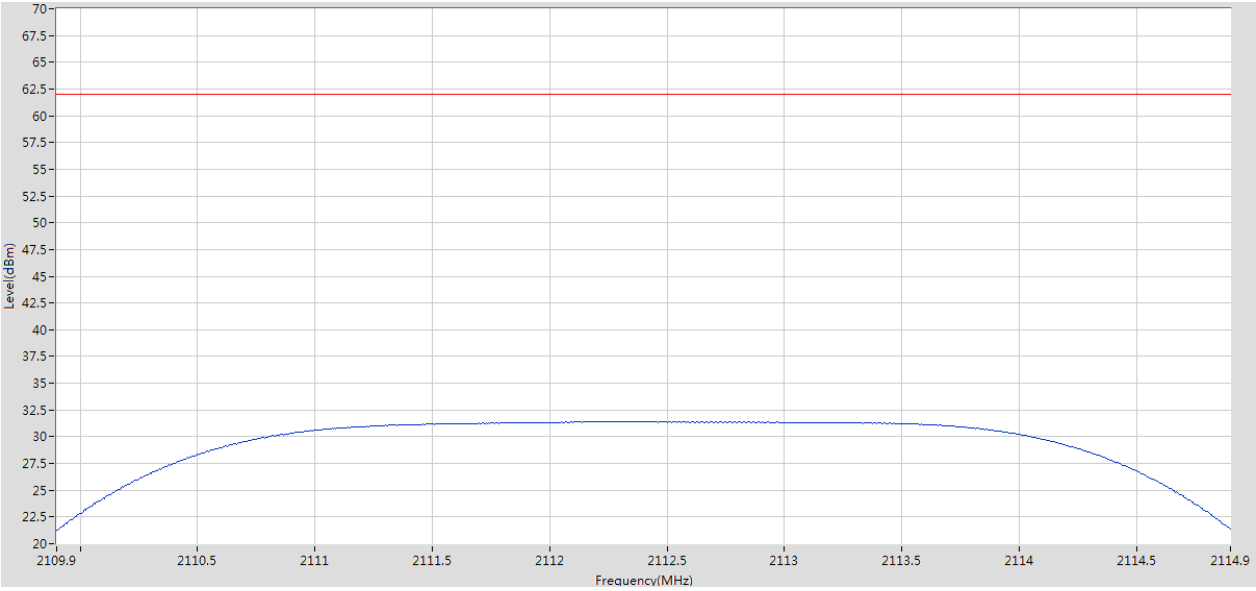
2.1.4 1U_B

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2109.9	2114.9	1	RMS	2112.41 M	31.4	62	Pass	1001



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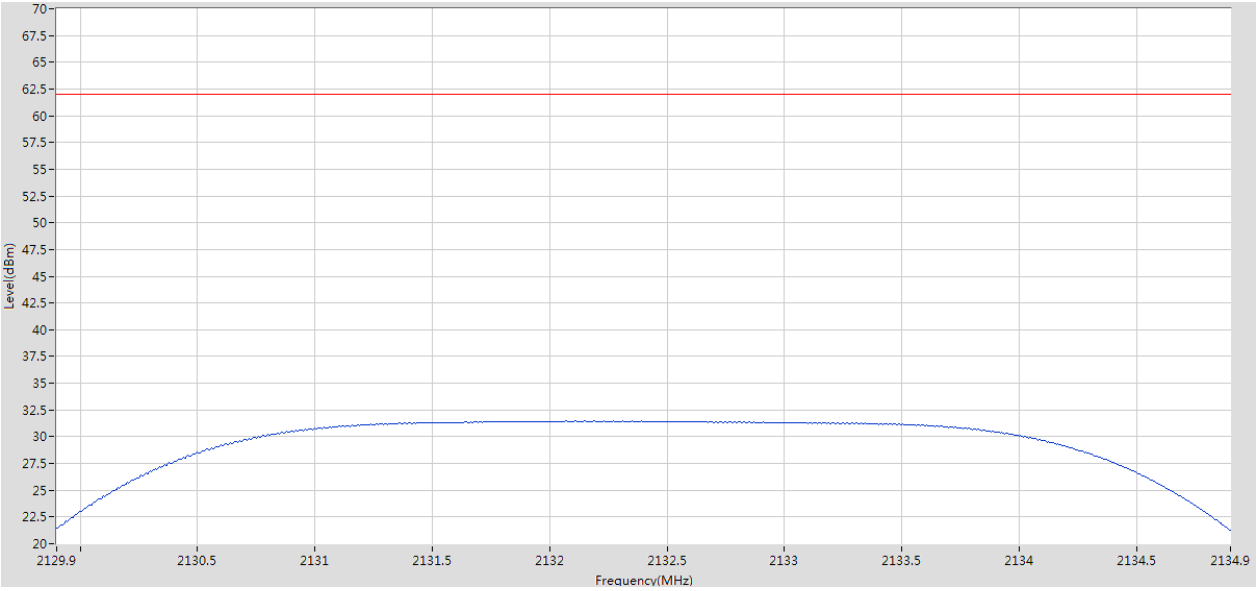
2.1.5 1U_M

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2129.9	2134.9	1	RMS	2132.23 M	31.47	62	Pass	1001



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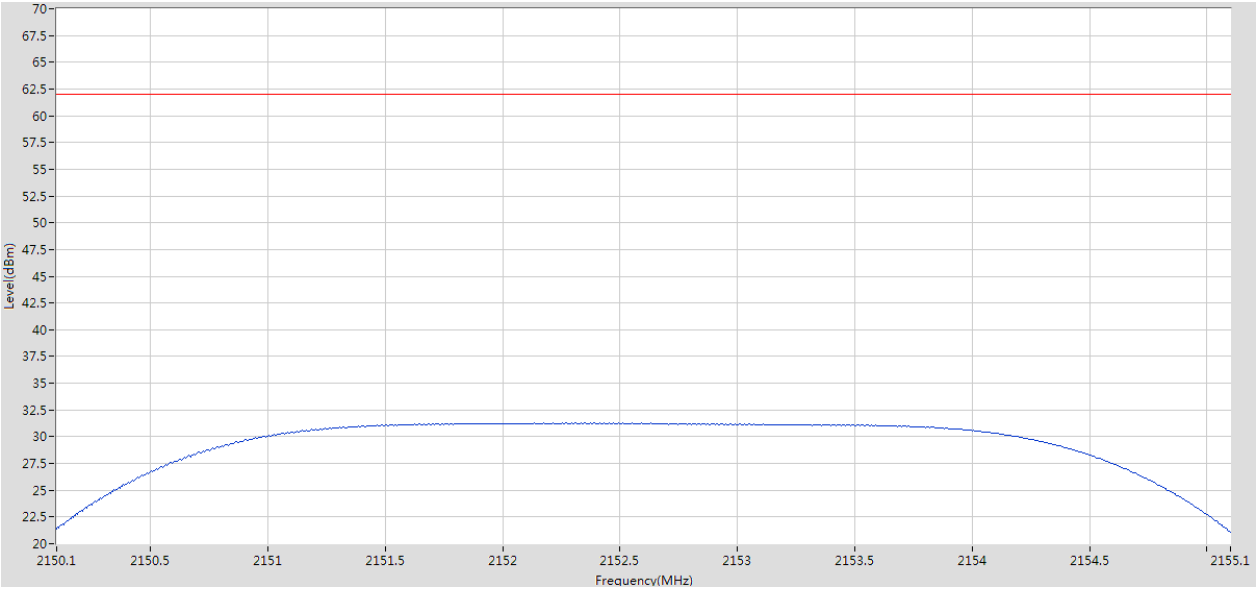
2.1.6 1U_T

Start Frequency [MHz]	Stop Frequency [MHz]	RBW [MHz]	Detector	Frequency [Hz]	Emission [dBm]	Limit [dBm]	Verdict	Sweep Point
2150.1	2155.1	1	RMS	2152.335 M	31.27	62	Pass	1001



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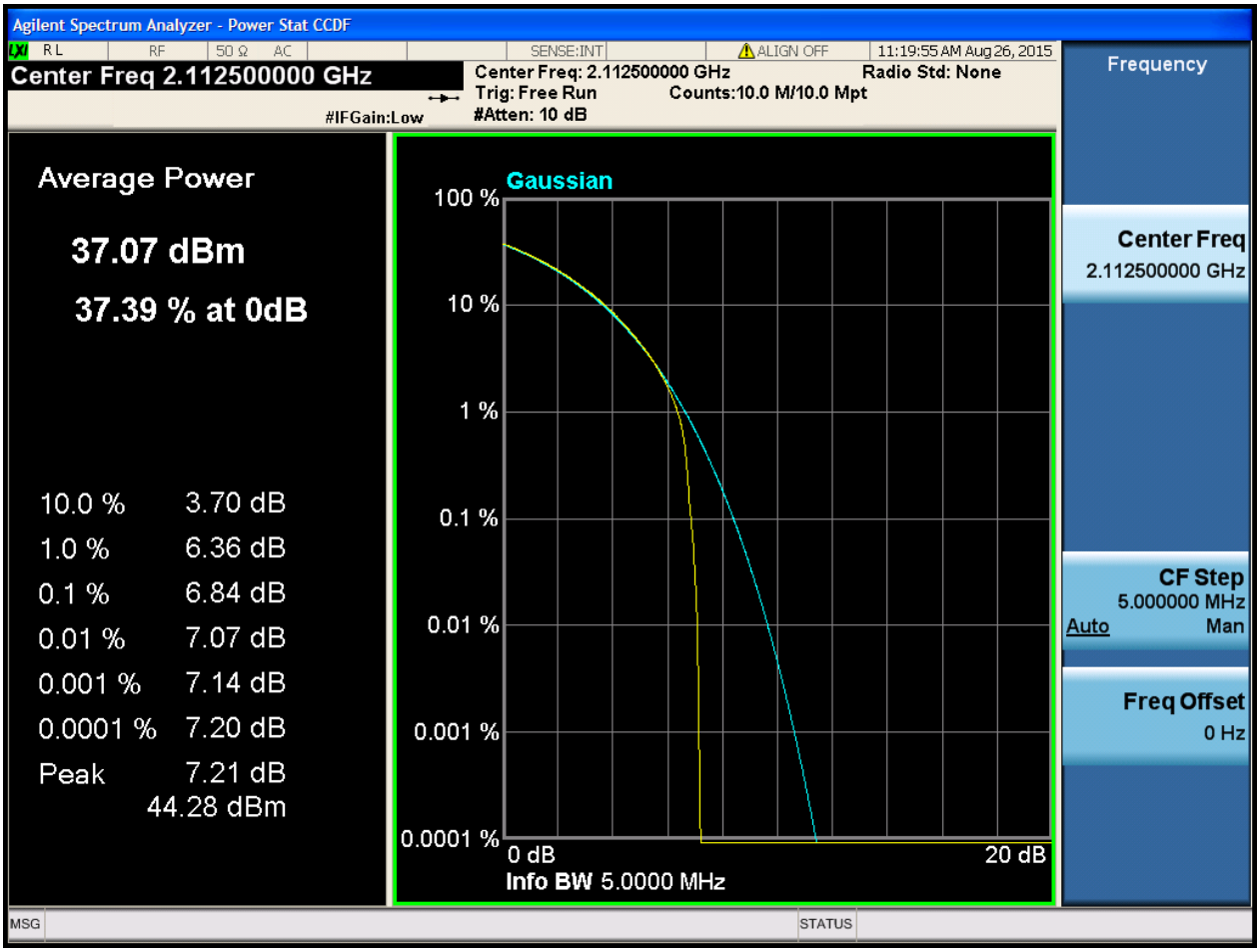
2.2 Peak-to-Average Ratio

2.2.1 1L_5M_B



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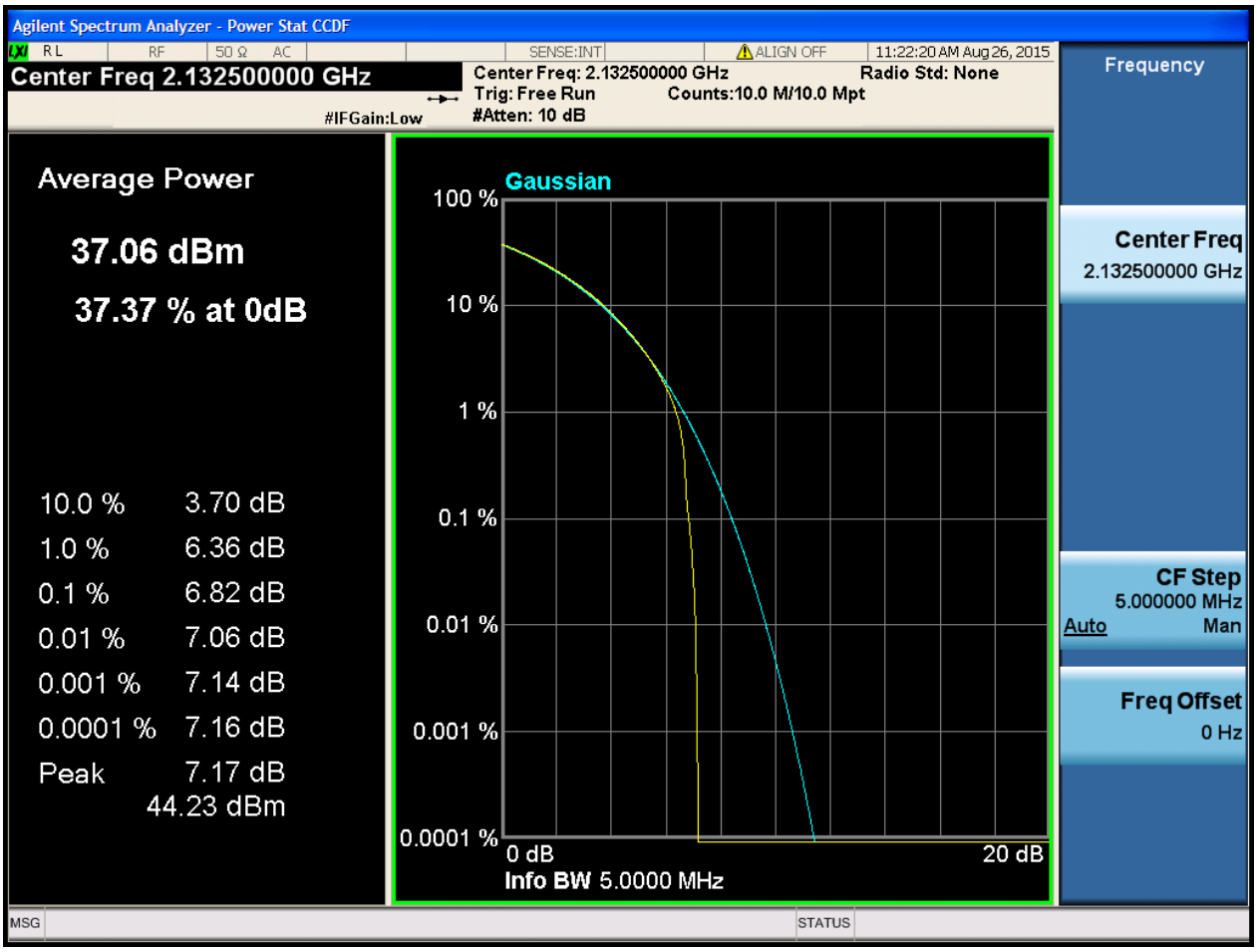
2.2.2 1L_ 5M_M



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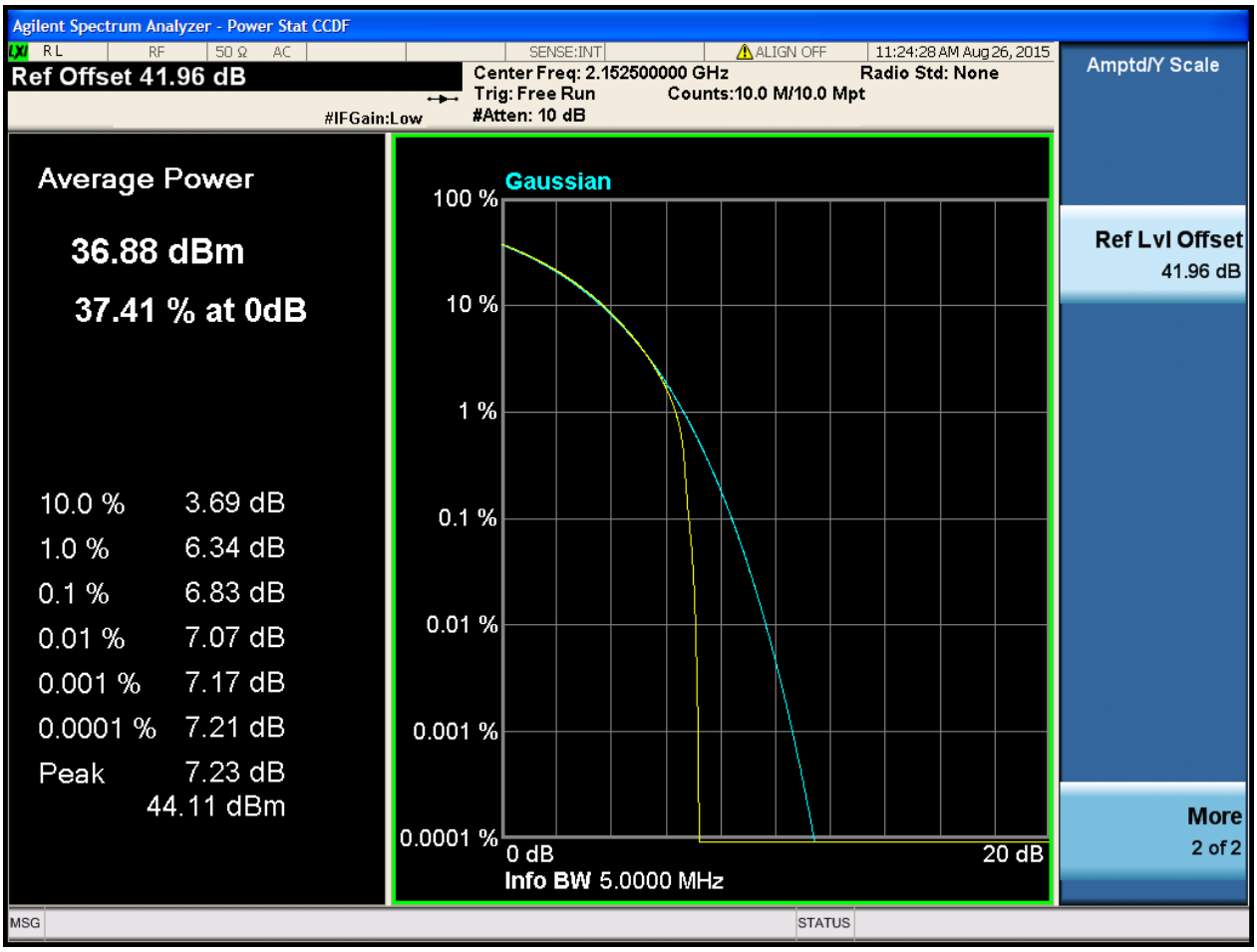
2.2.3 1L_ 5M_T



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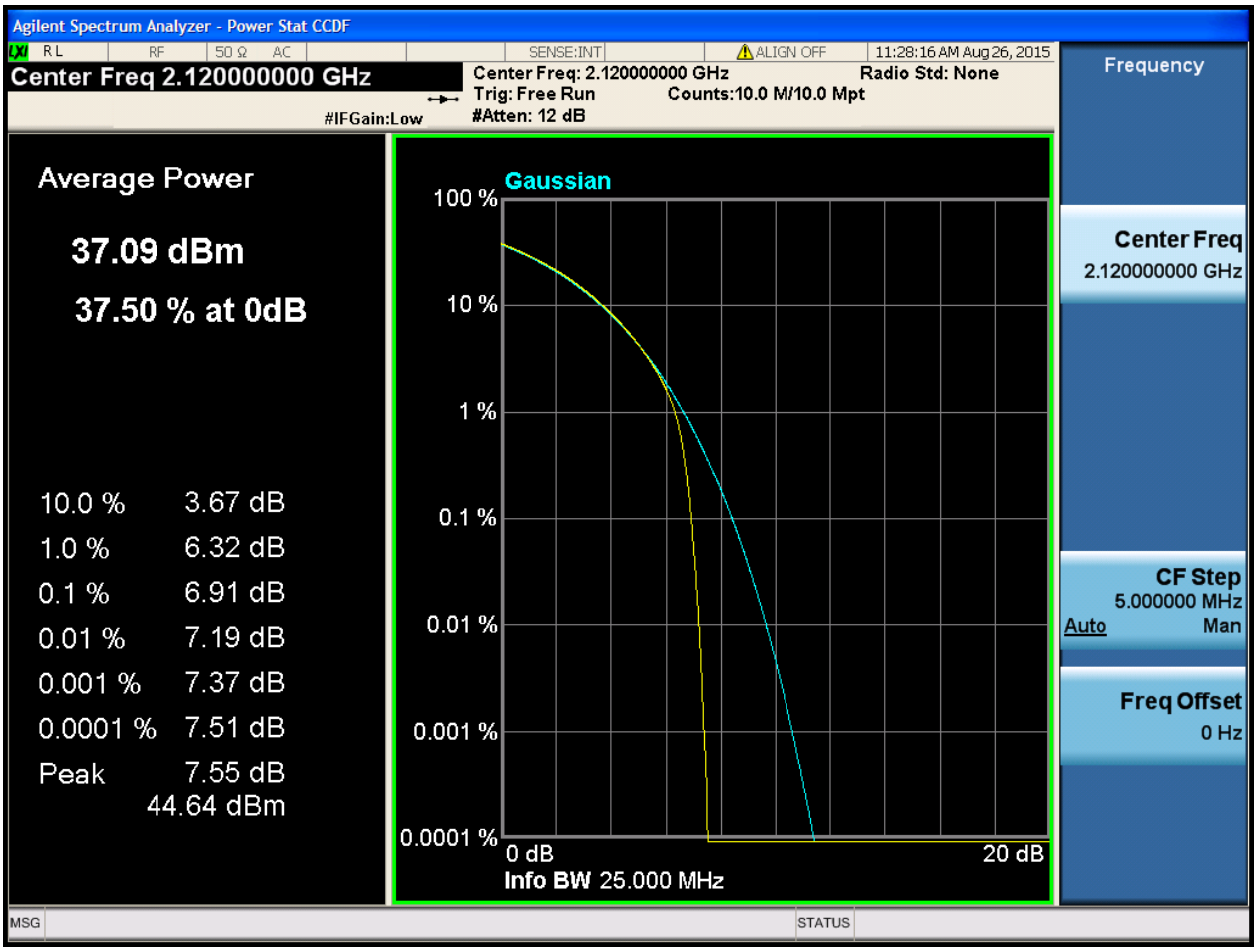
2.2.4 1L_ 20M_B



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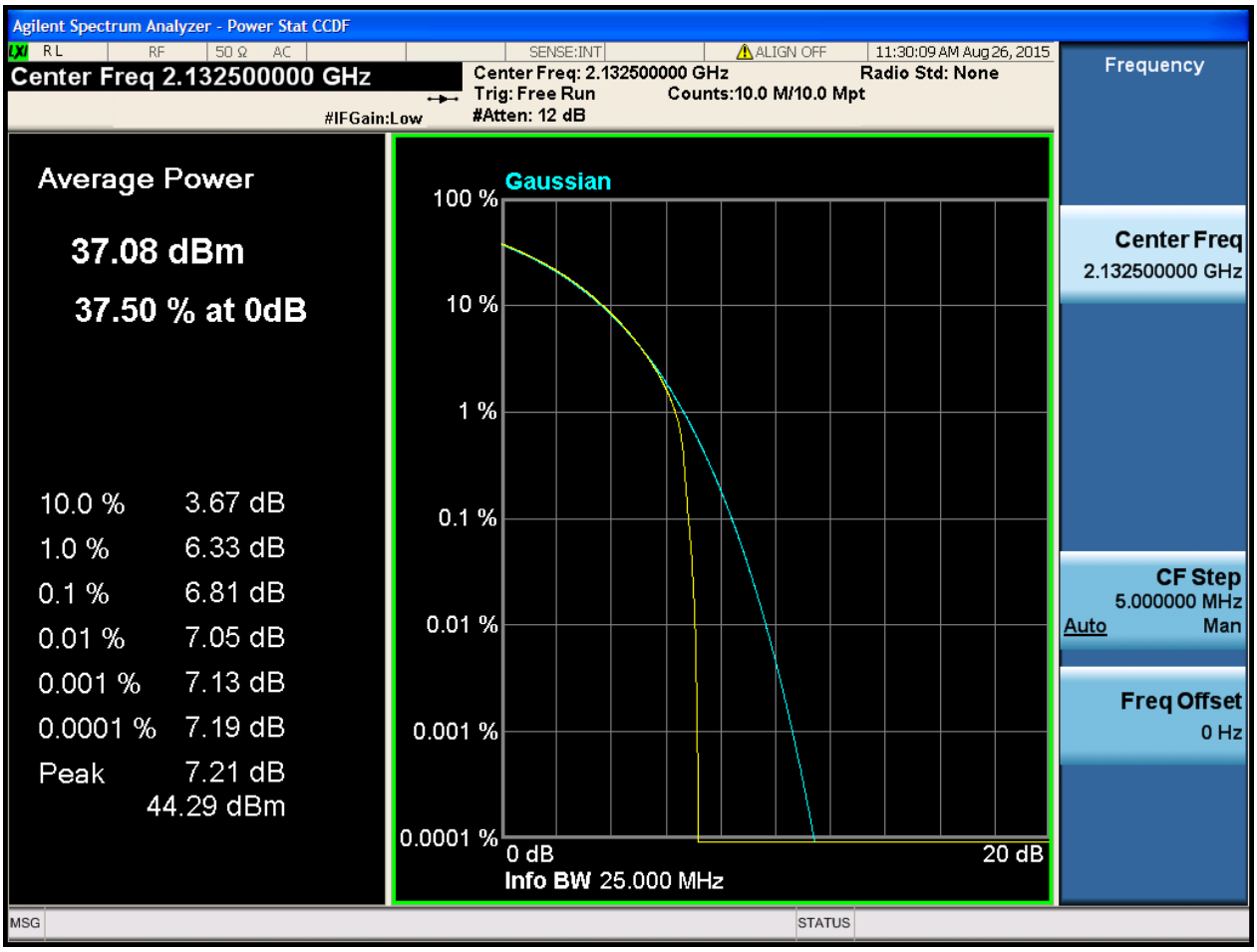
2.2.5 1L_ 20M_M



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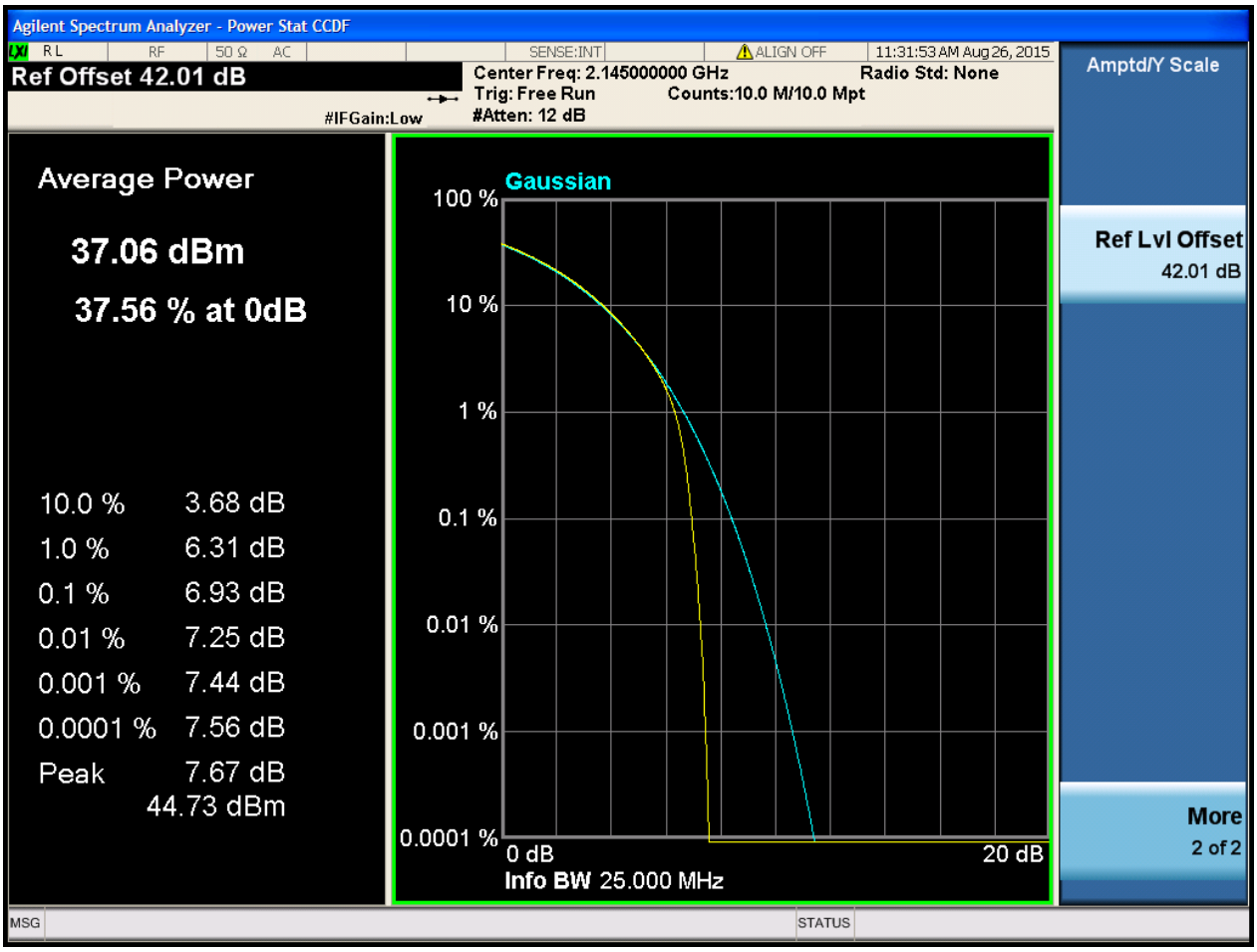
2.2.6 1L_ 20M_T



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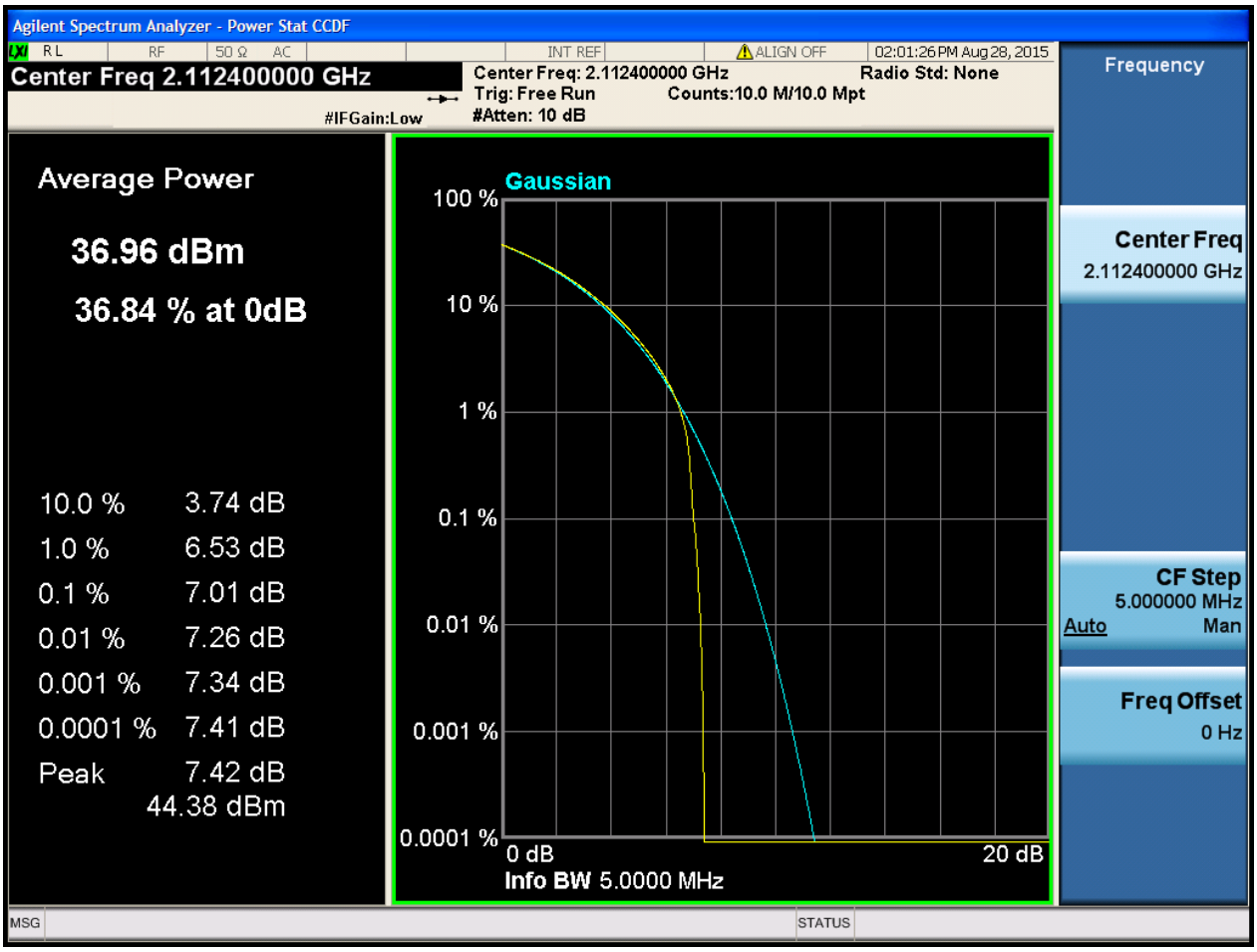
2.2.7 1U_B



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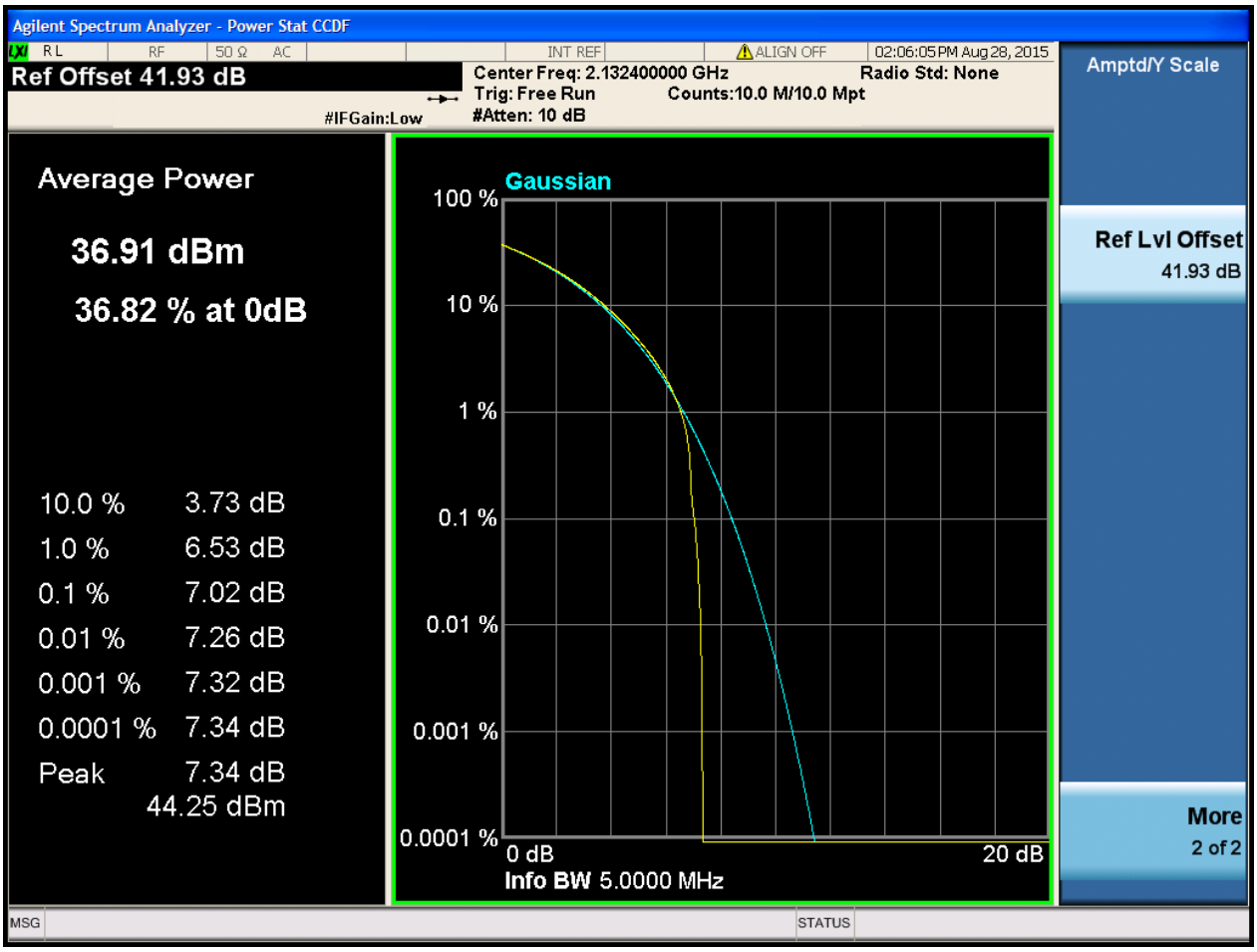
2.2.8 1U_M



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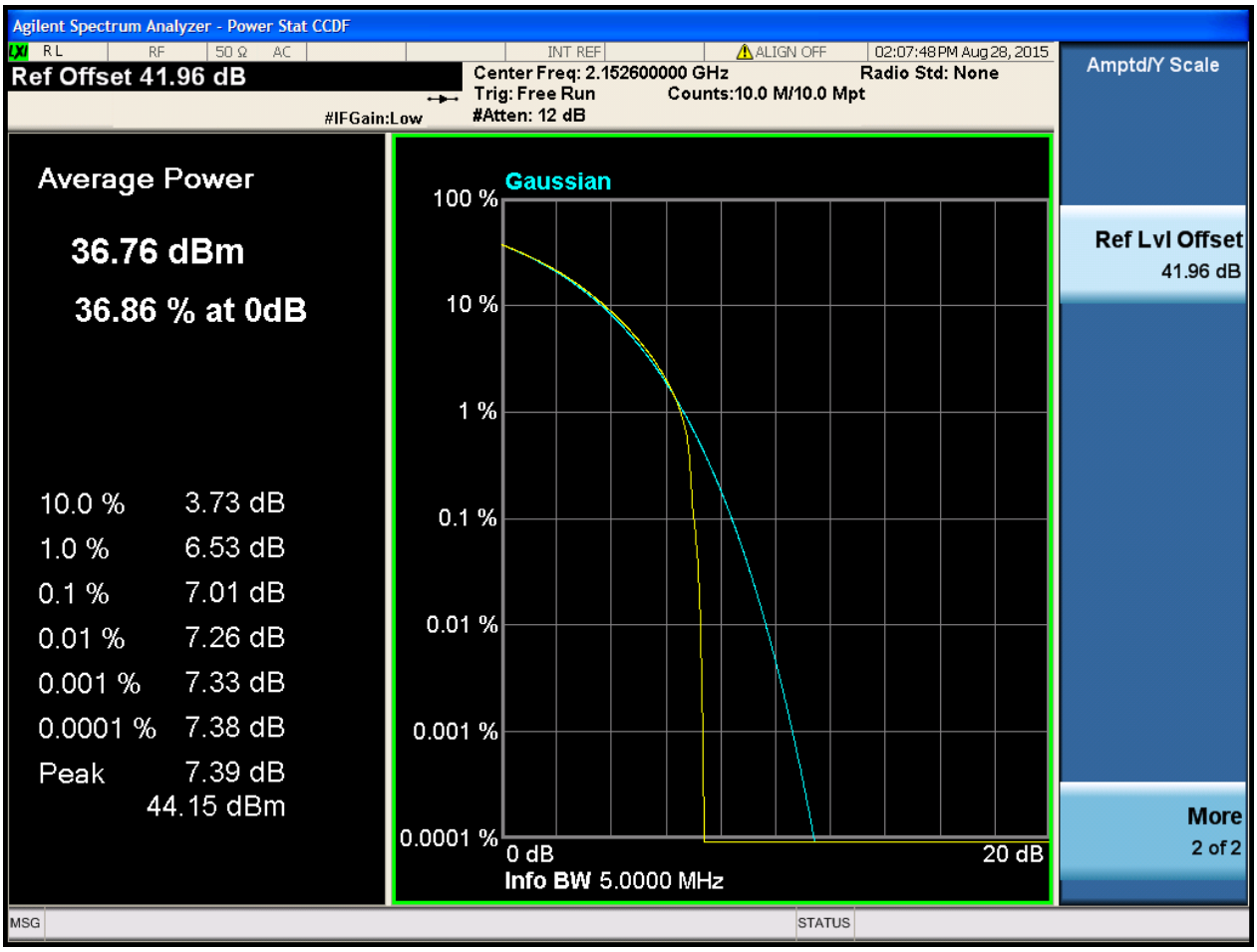
2.2.9 1U_T



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Appendix B2: Bandwidth

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1 Result Table

1.1 Occupied Bandwidth

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
1L_ 5M_B	4.48178	---
1L_ 5M _M	4.48262	---
1L_ 5M _T	4.482788	---
1L_ 10M_B	8.94771	---
1L_ 10M _M	8.949266	---
1L_ 10M_T	8.952923	---
1L_ 15M_B	13.412539	---
1L_ 15M _M	13.413109	---
1L_ 15M_T	13.415061	---
1L_ 20M_B	17.861884	---
1L_ 20M _M	17.867161	---
1L_ 20M_T	17.871887	---
1U_B	4.138615	---
1U_M	4.14138	---
1U_T	4.142915	---

1.2 Emission Bandwidth

EUT Conf.	Emission Bandwidth, -20 dBc [MHz]	Emission Bandwidth, -26 dBc [MHz]	Verdict
1L_ 5M_B	4.724992	4.770048	---
1L_ 5M _M	4.724992	4.785024	---
1L_ 5M _T	4.724992	4.785152	---
1L_ 10M_B	9.236096	9.396352	---
1L_ 10M _M	9.236096	9.41632	---
1L_ 10M_T	9.236224	9.416448	---
1L_ 15M_B	13.746048	14.02624	---
1L_ 15M _M	13.746176	13.966208	---
1L_ 15M_T	13.746048	13.986176	---
1L_ 20M_B	18.246144	18.606208	---
1L_ 20M _M	18.256128	18.58624	---
1L_ 20M_T	18.246144	18.626176	---
1U_B	4.552576	4.649984	---
1U_M	4.545024	4.657536	---
1U_T	4.552448	4.649984	---

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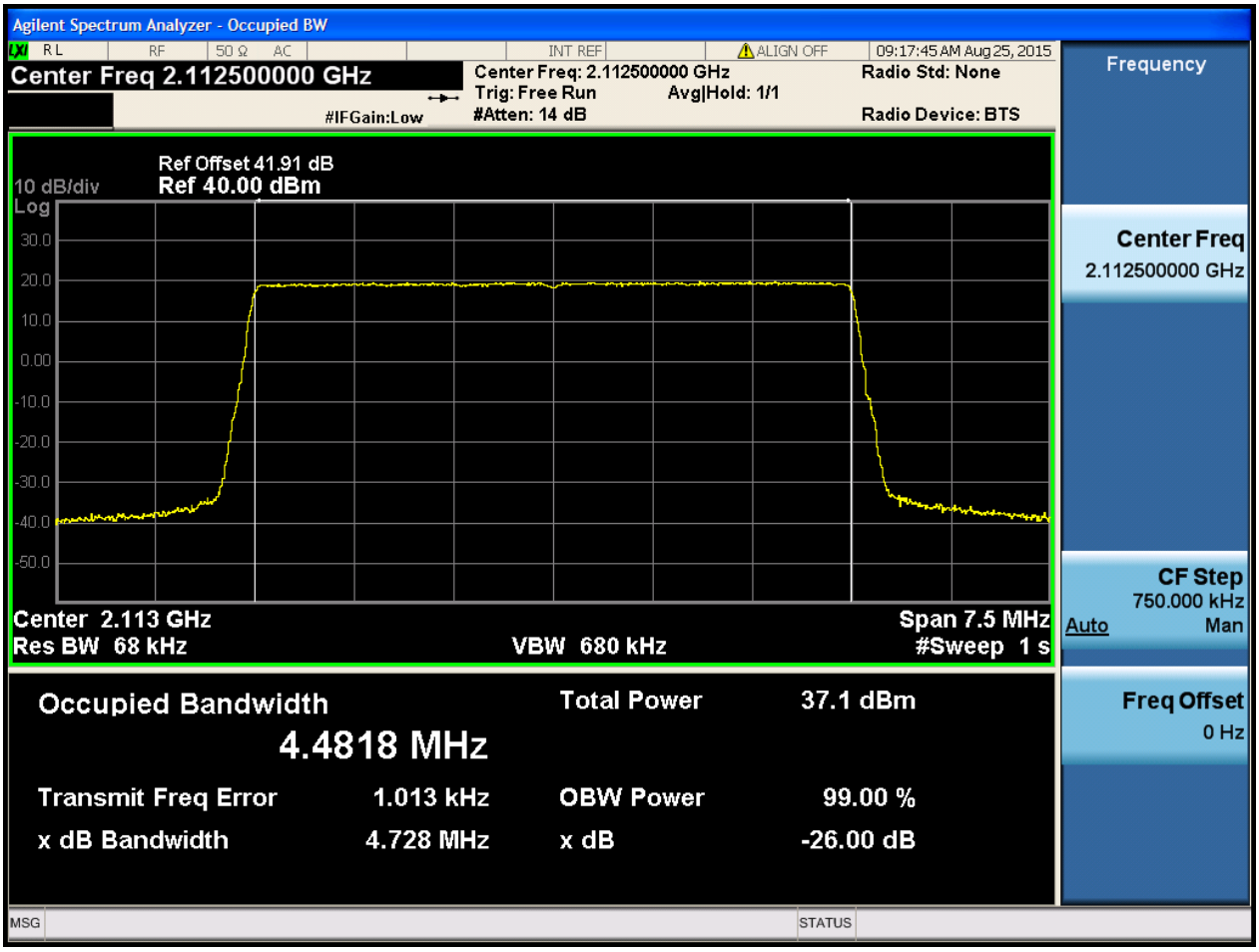
2 Test Plot

2.1 Occupied Bandwidth

2.1.1 1L_5M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2112.5	99	Auto	RMS	4.48178	No Conclusion



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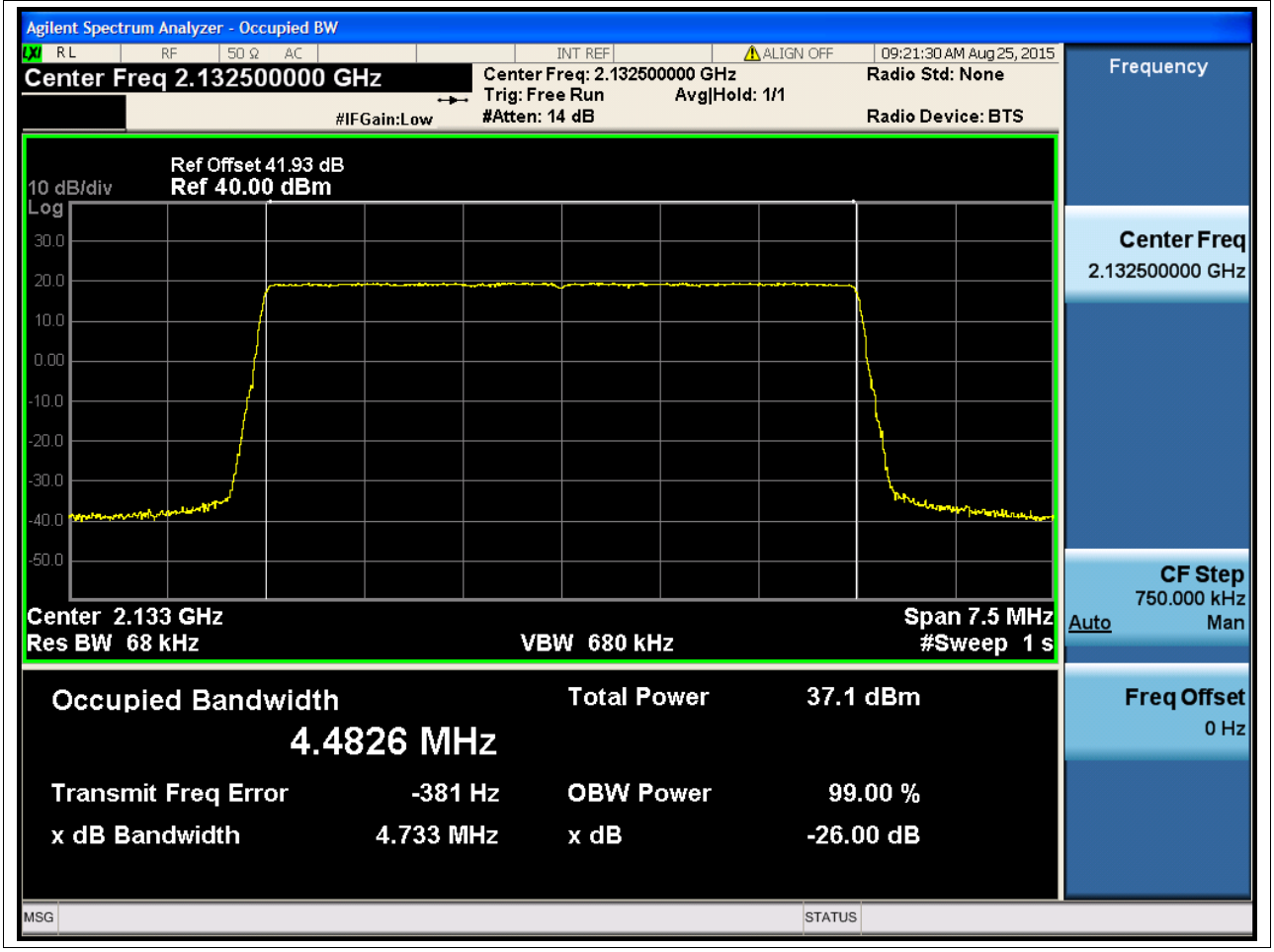
2.1.2 1L_ 5M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2132.5	99	Auto	RMS	4.48262	No Conclusion



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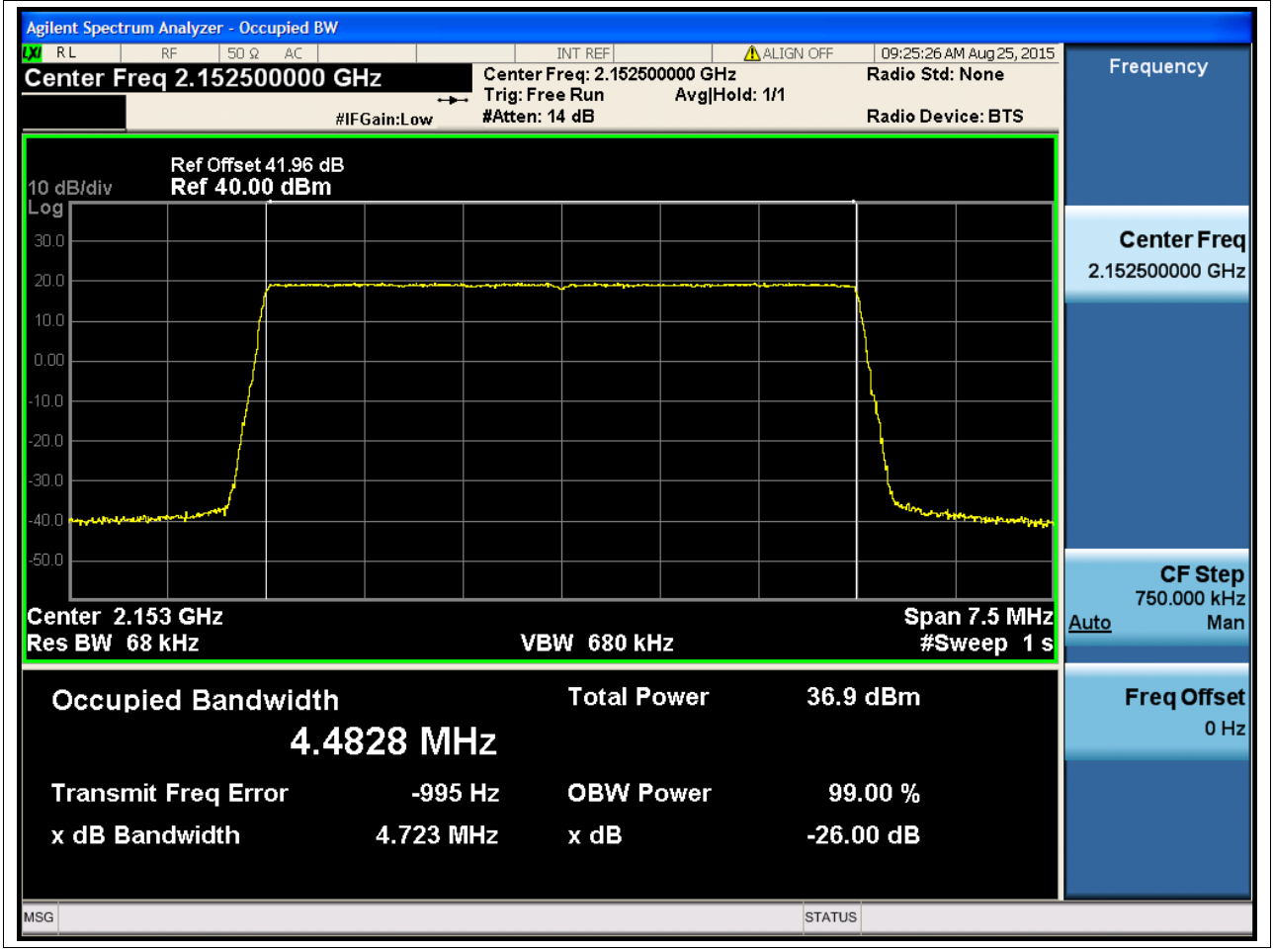
2.1.3 1L_ 5M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2152.5	99	Auto	RMS	4.482788	No Conclusion



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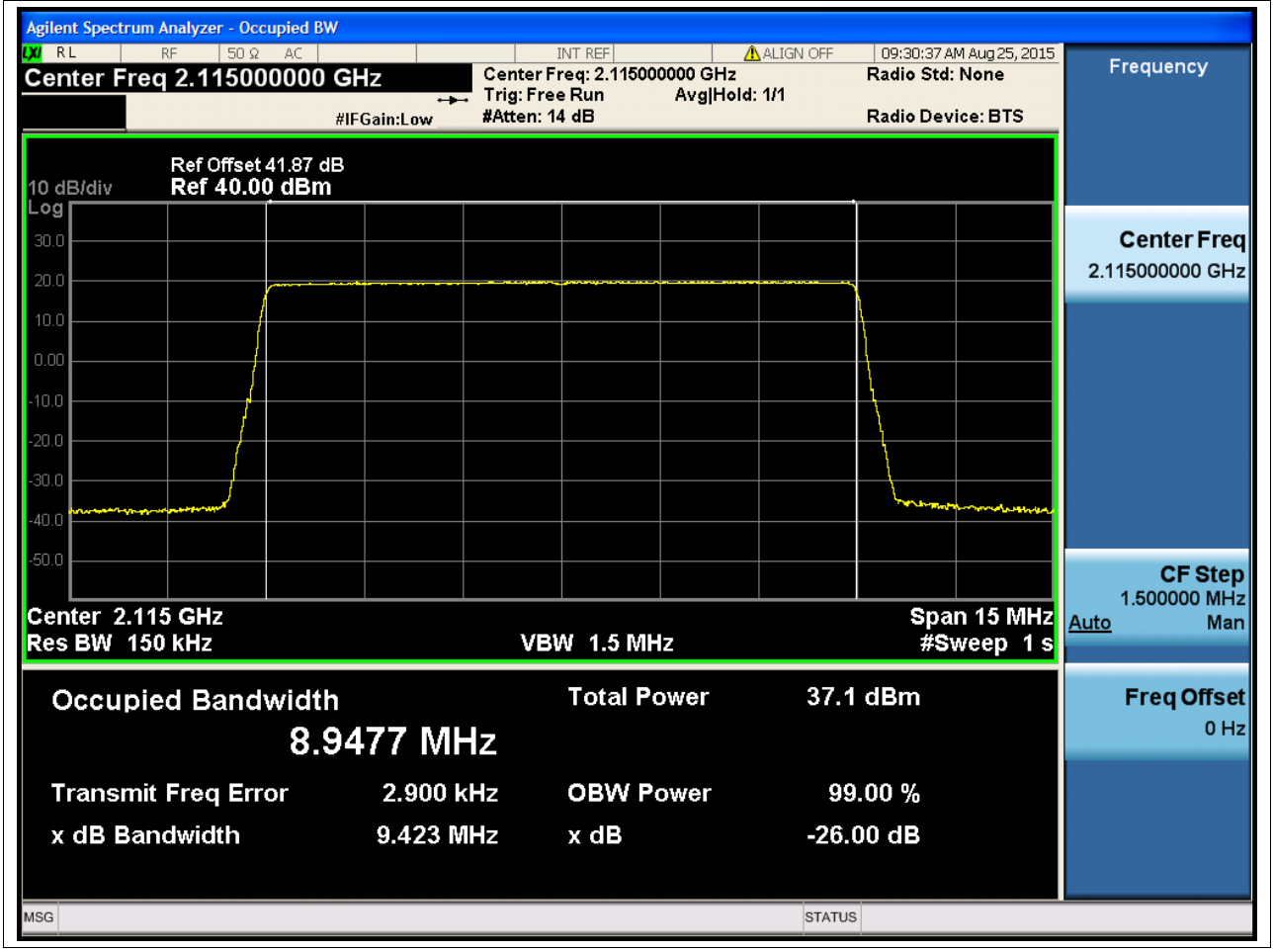
2.1.4 1L_ 10M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2115	99	Auto	RMS	8.94771	No Conclusion



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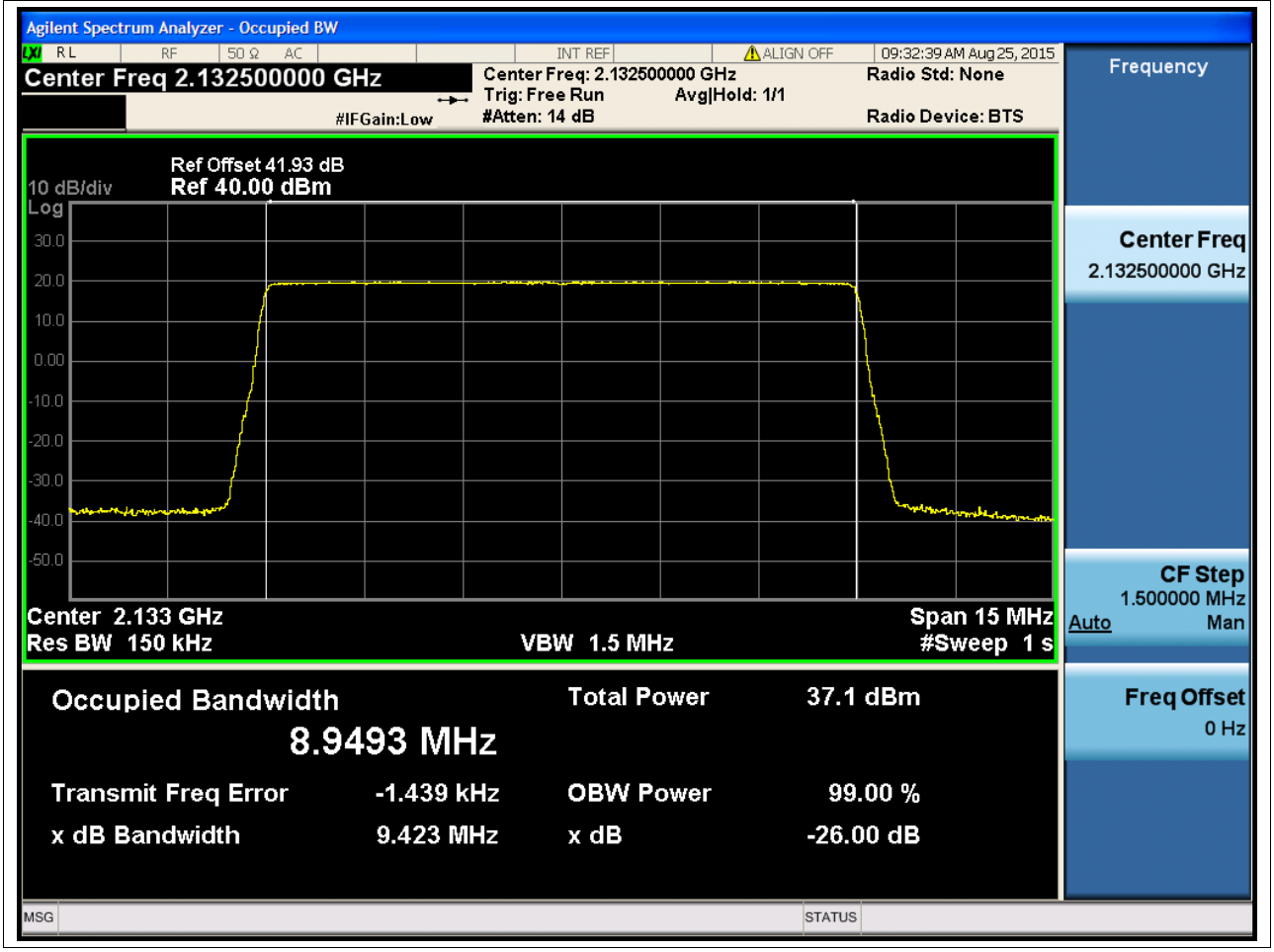
2.1.5 1L_ 10M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2132.5	99	Auto	RMS	8.949266	No Conclusion



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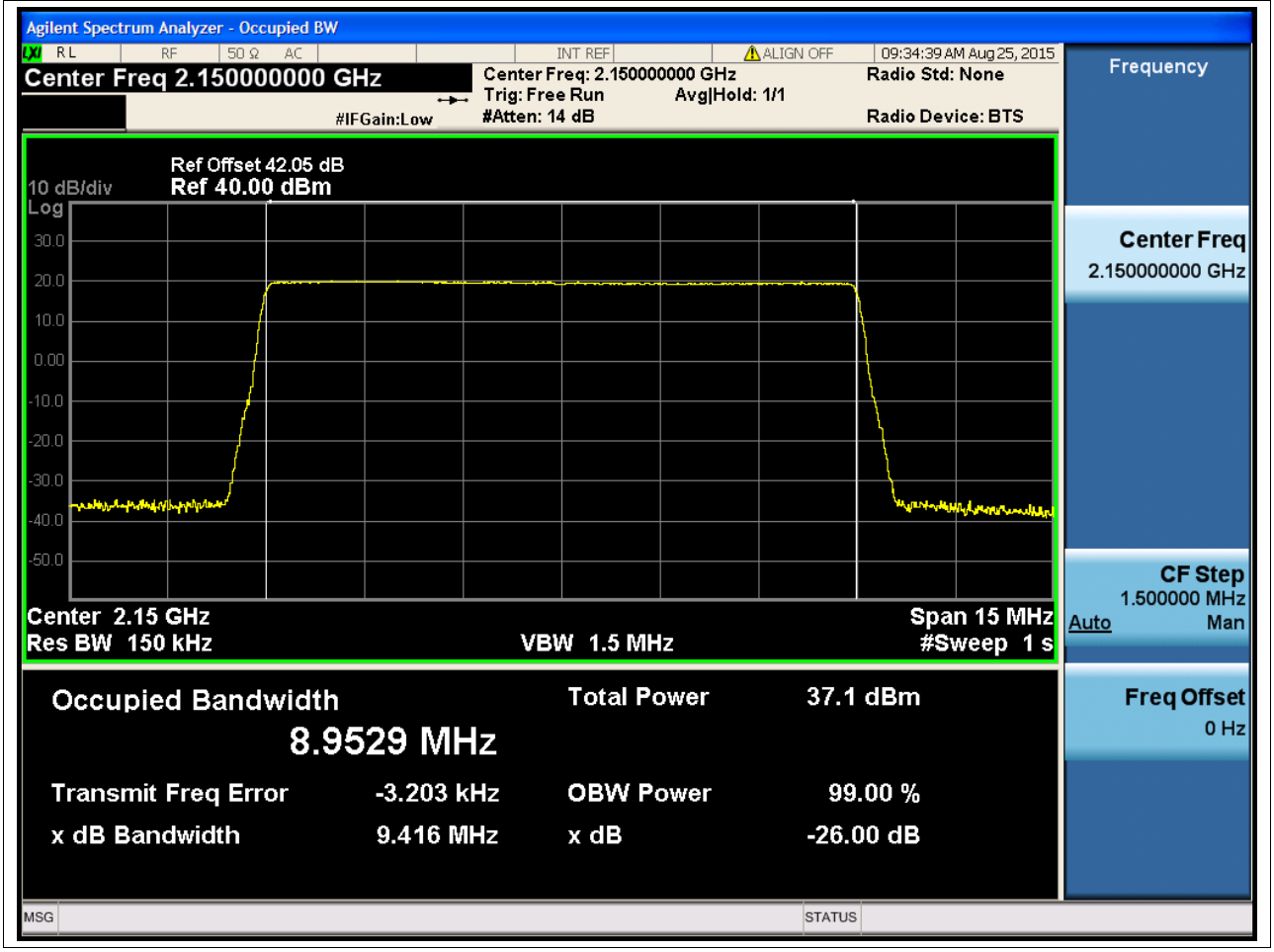
2.1.6 1L_ 10M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2150	99	Auto	RMS	8.952923	No Conclusion



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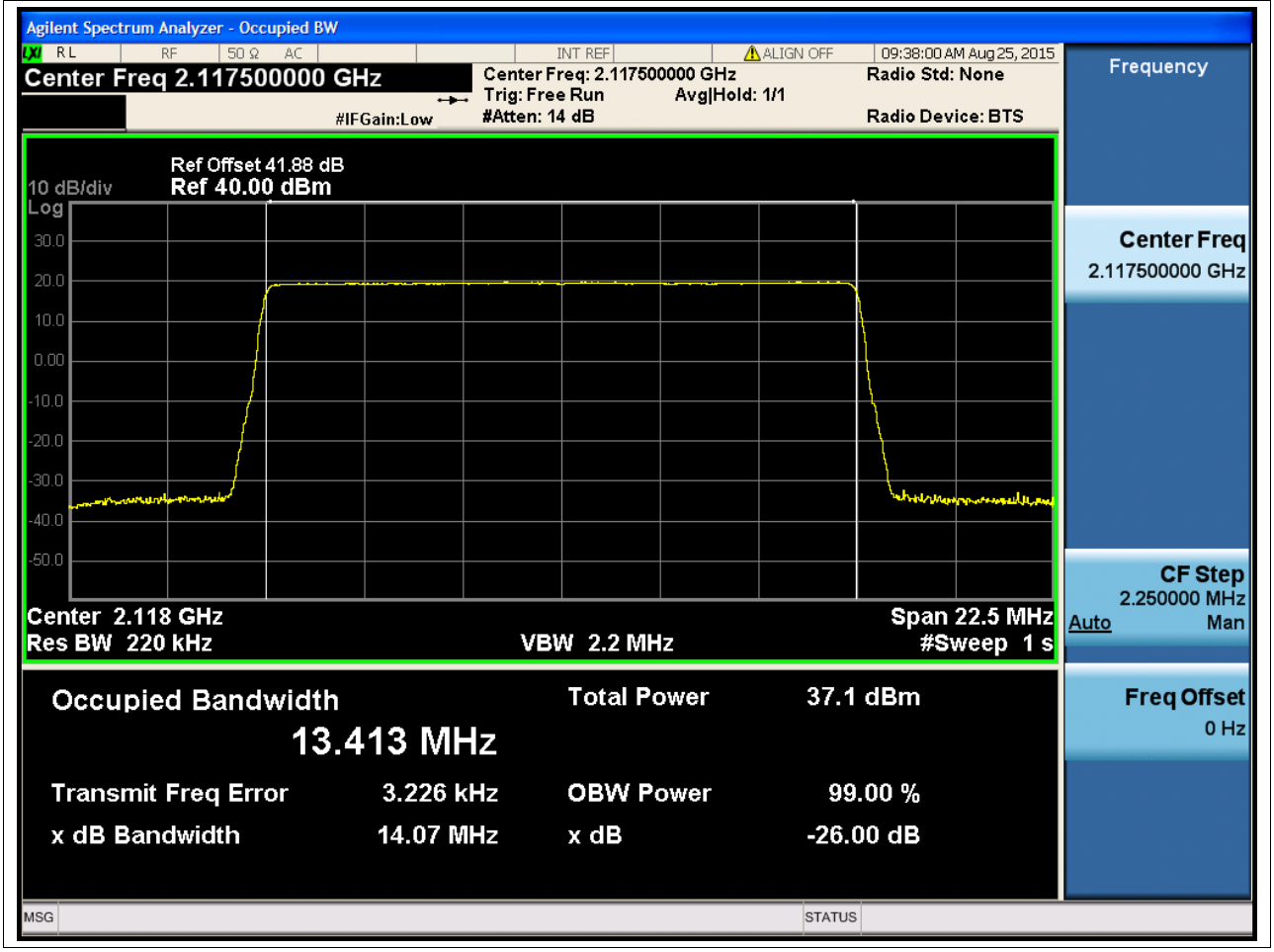
2.1.7 1L_ 15M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2117.5	99	Auto	RMS	13.412539	No Conclusion



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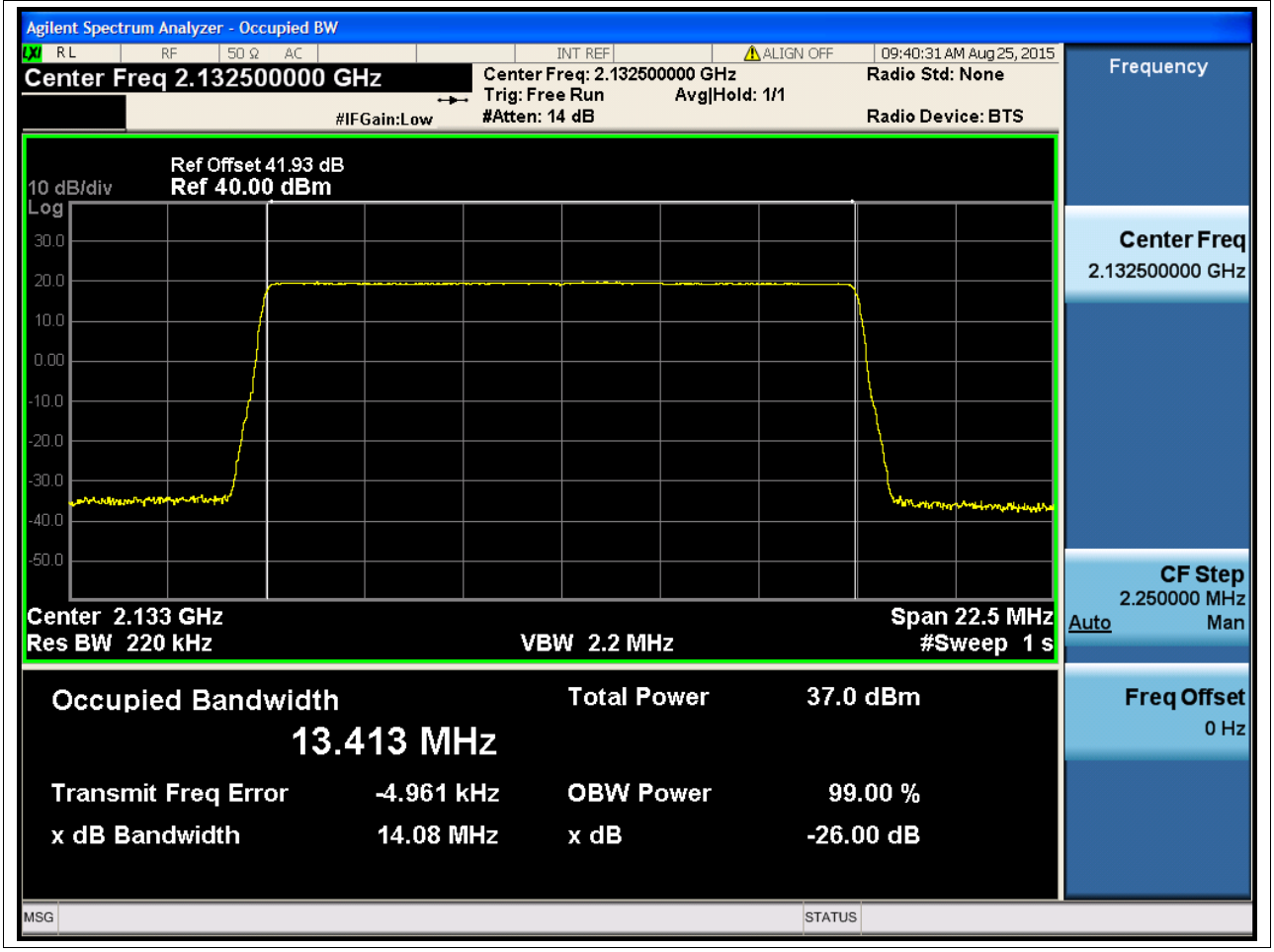
2.1.8 1L_ 15M_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2132.5	99	Auto	RMS	13.413109	No Conclusion



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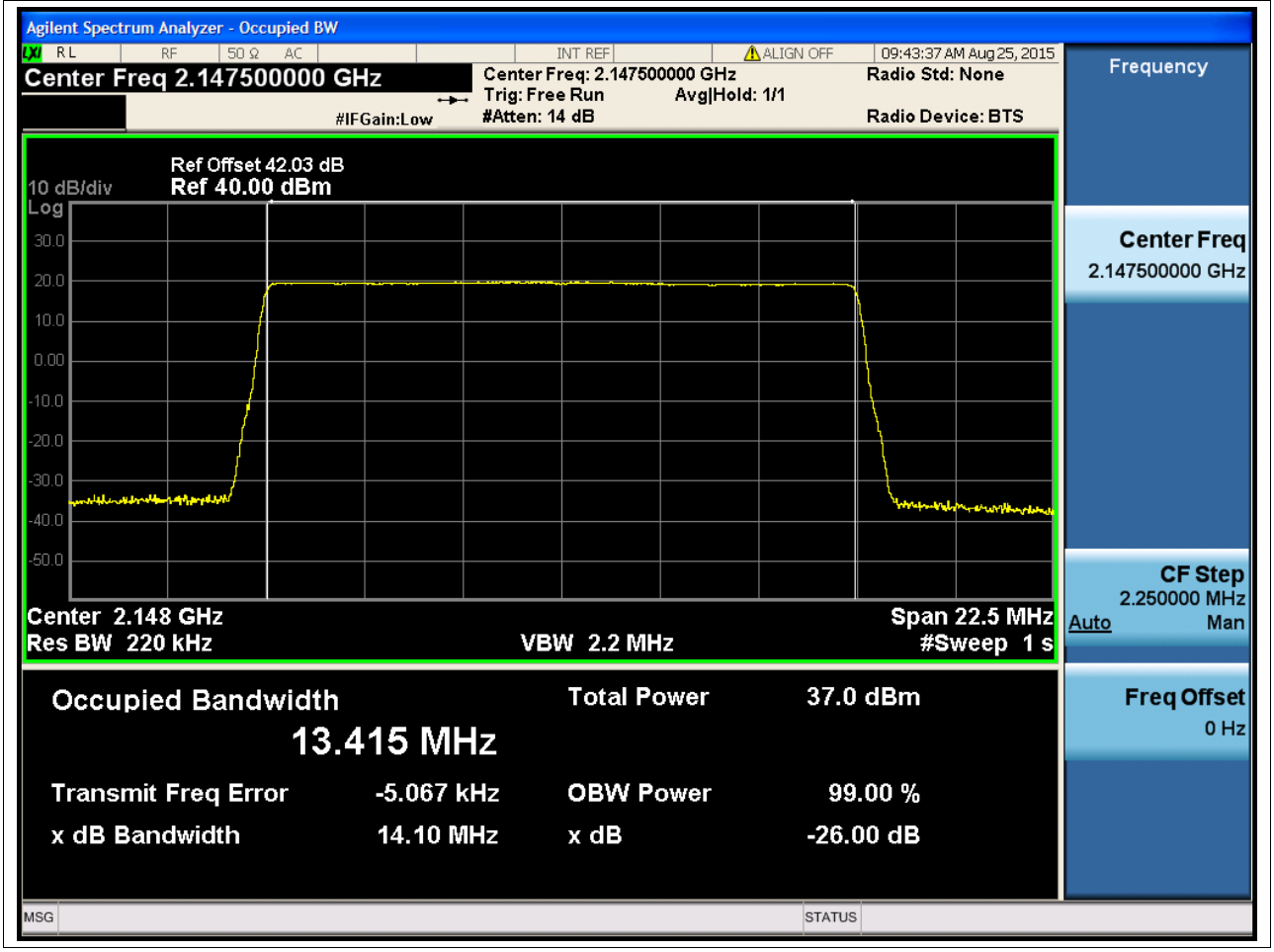
2.1.9 1L_ 15M_T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2147.5	99	Auto	RMS	13.415061	No Conclusion



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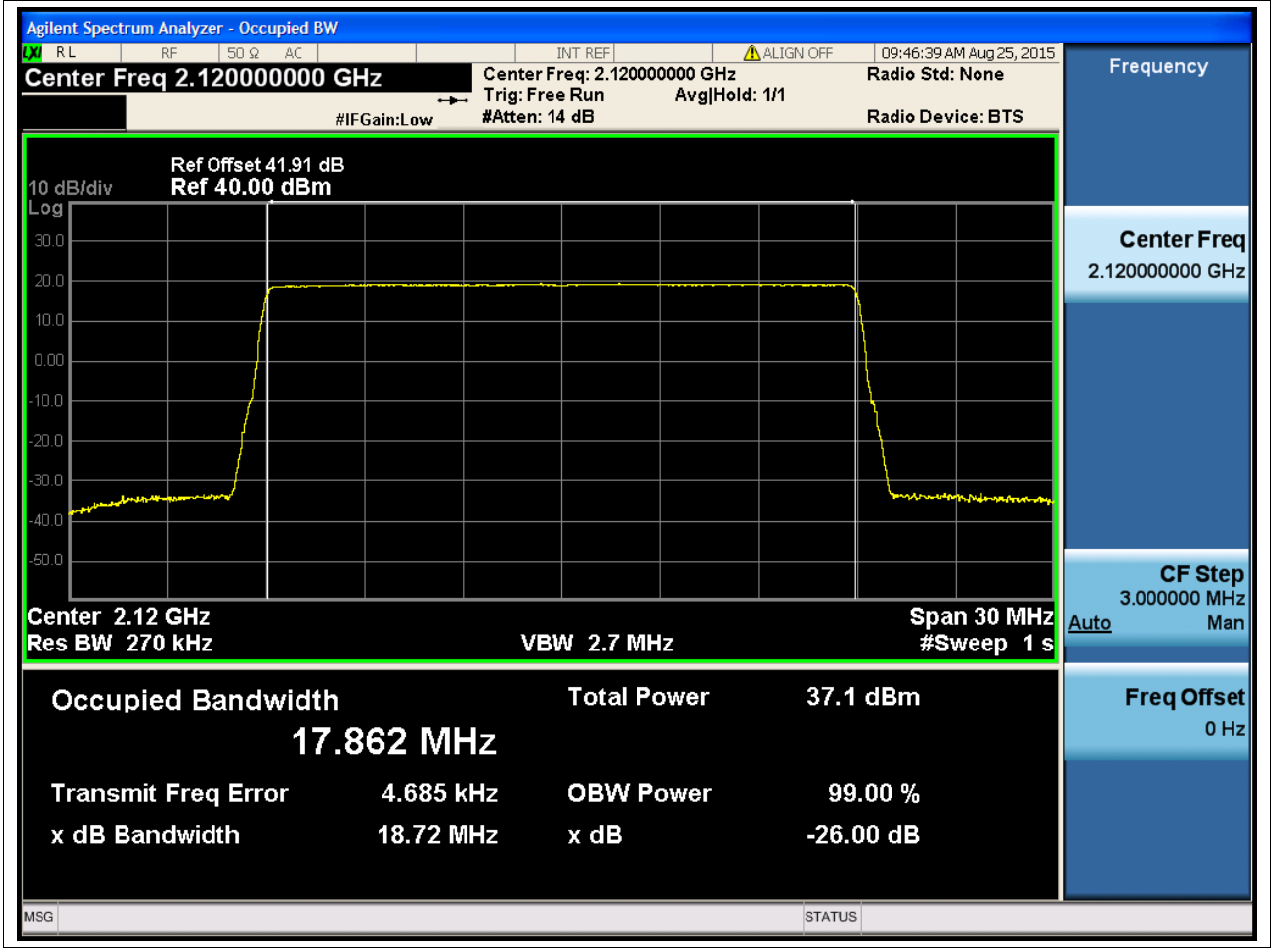
2.1.10 1L_ 20M_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2120	99	Auto	RMS	17.861884	No Conclusion



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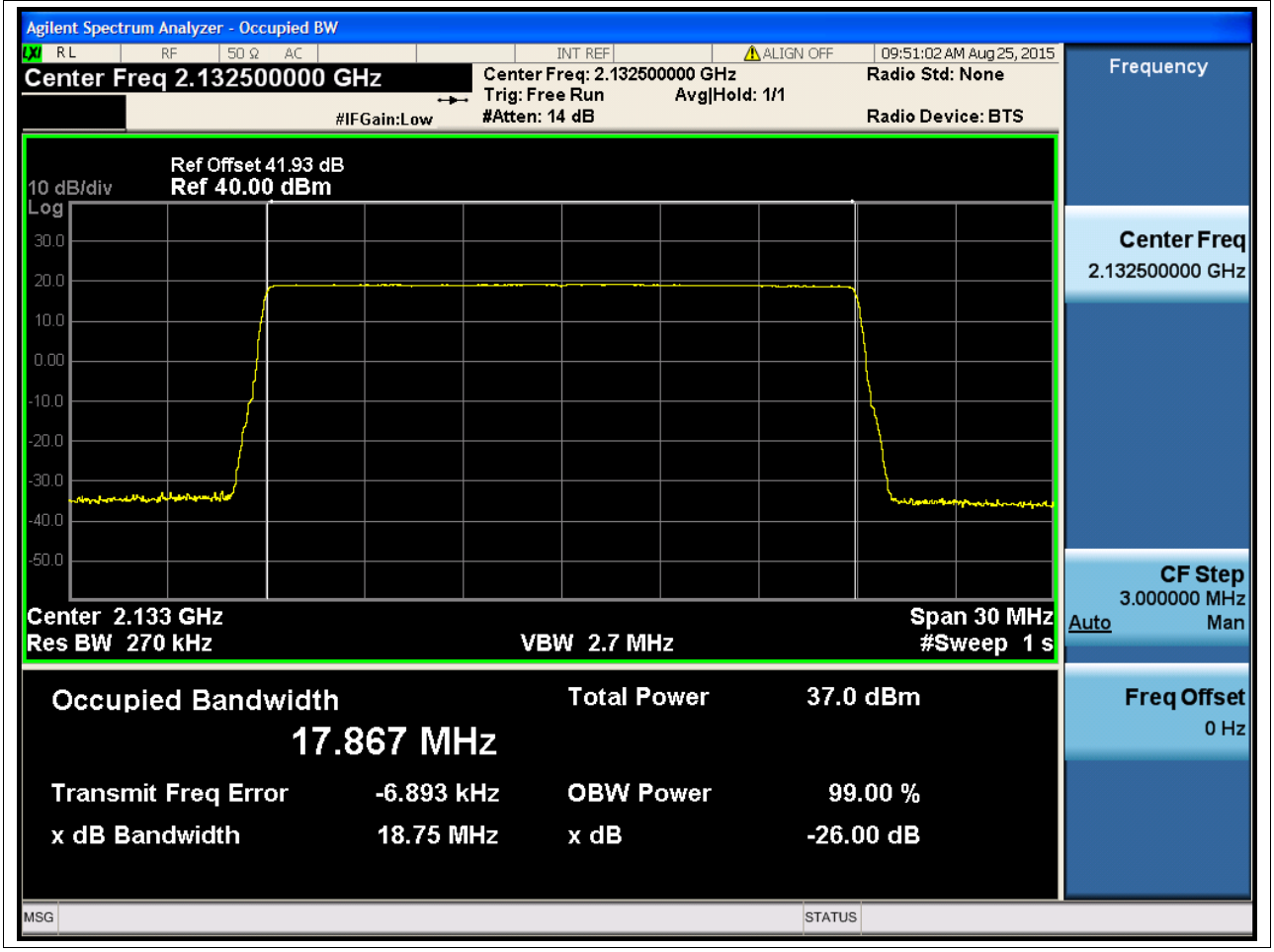
2.1.11 1L_ 20M _M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2132.5	99	Auto	RMS	17.867161	No Conclusion



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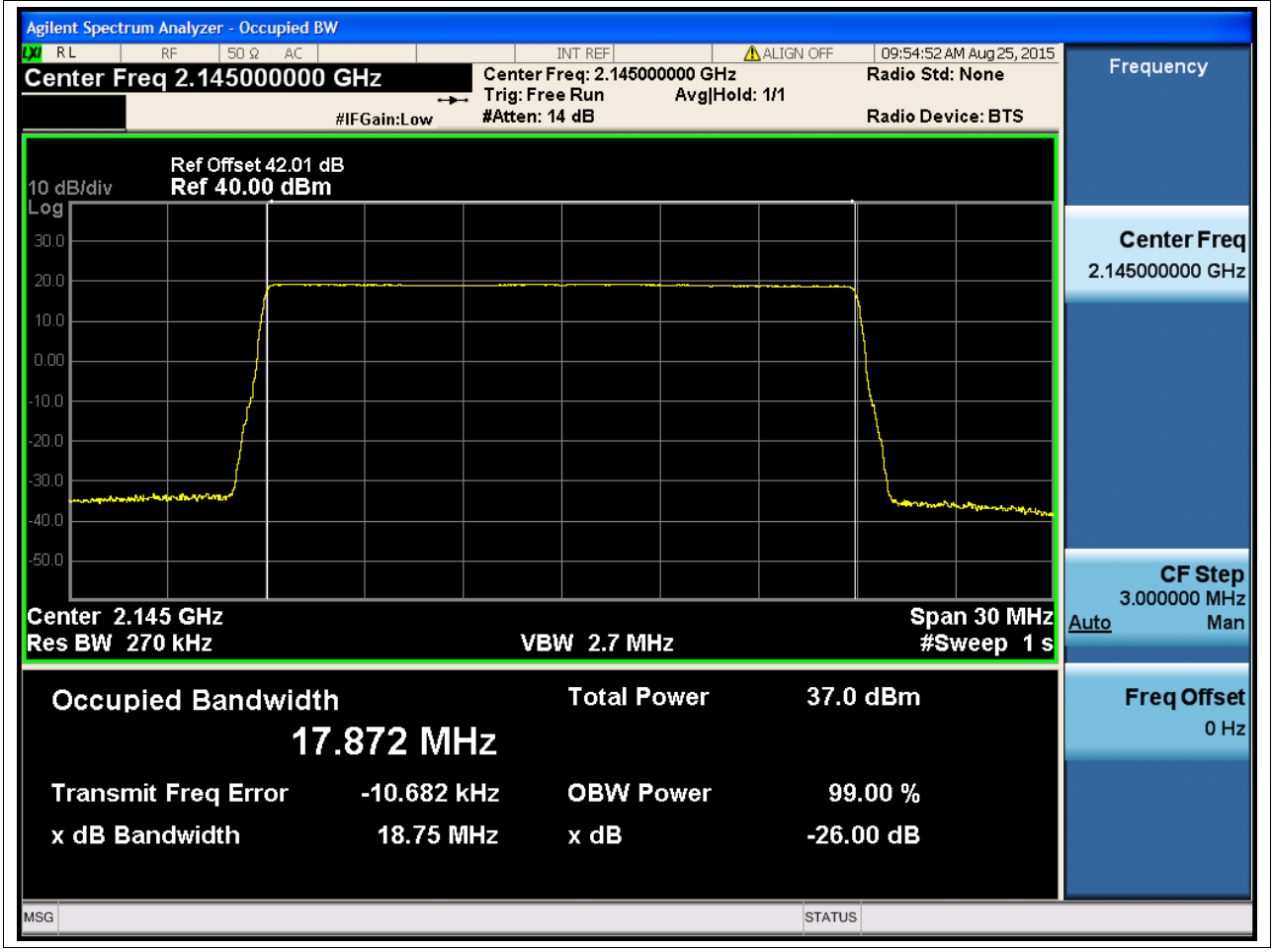
2.1.12 1L_ 20M _T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2145	99	Auto	RMS	17.871887	No Conclusion



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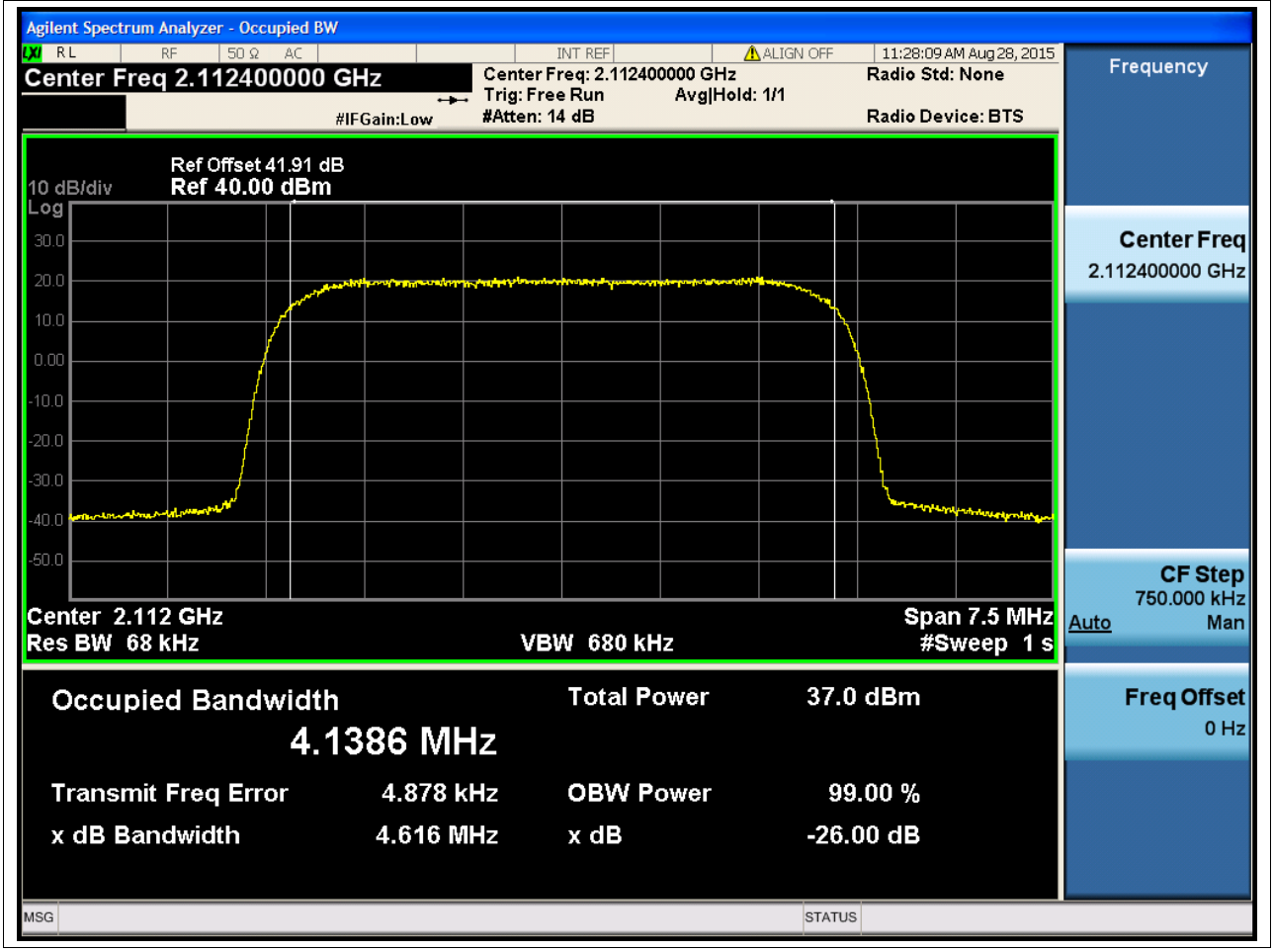
2.1.13 1U_B

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2112.4	99	Auto	RMS	4.138615	No Conclusion



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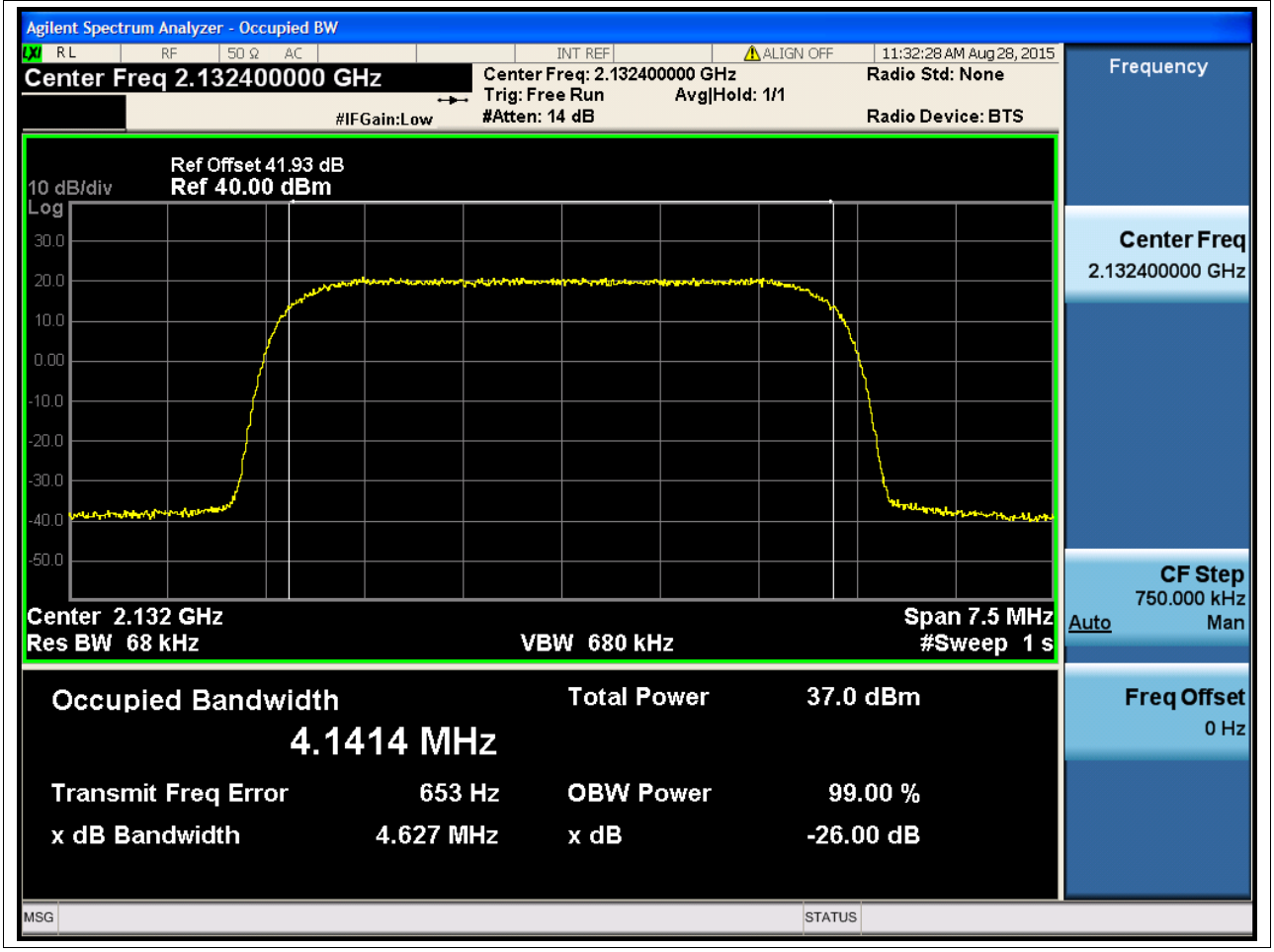
2.1.14 1U_M

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2132.4	99	Auto	RMS	4.14138	No Conclusion



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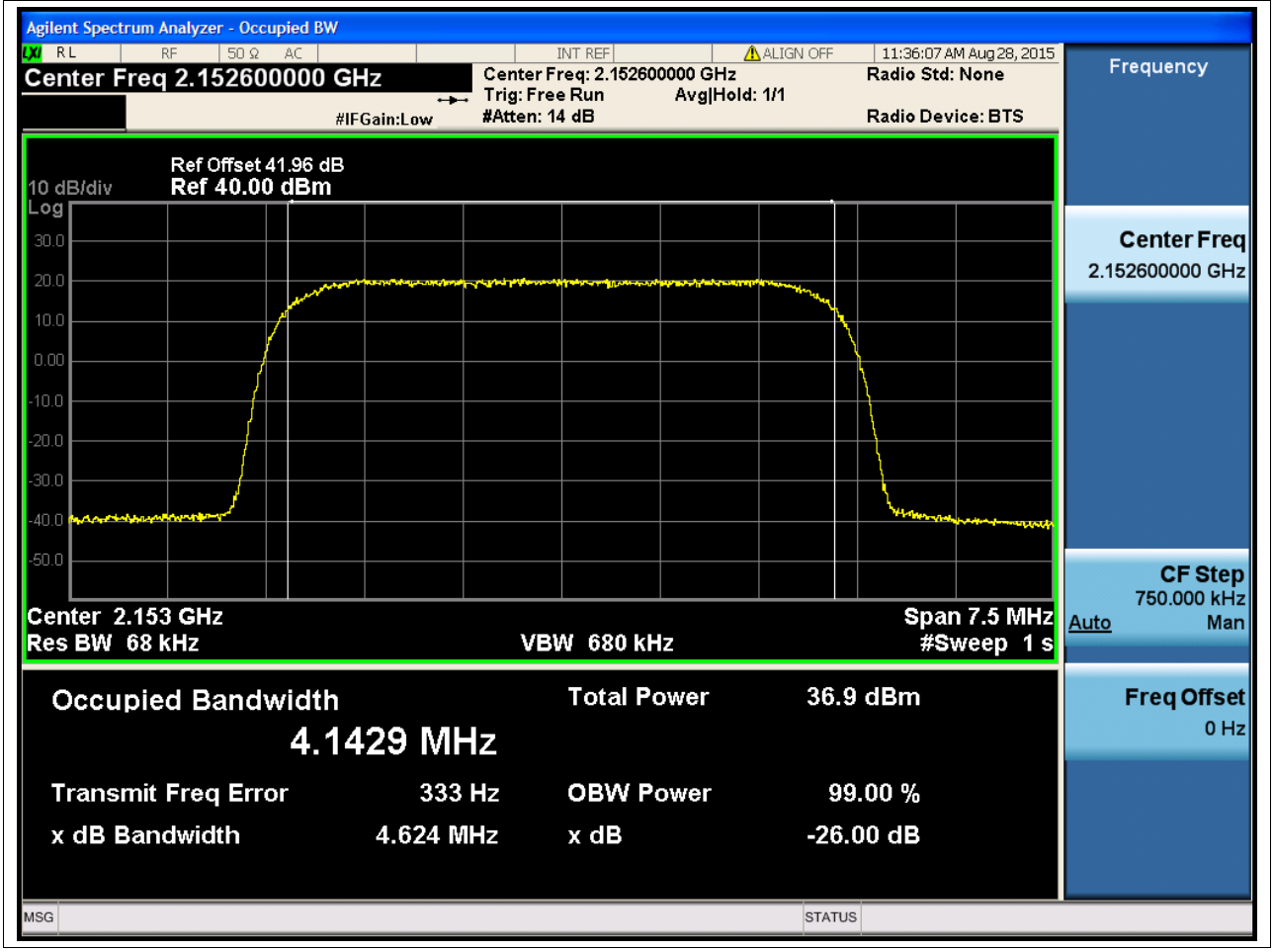
2.1.15 1U _T

Center Frequency [MHz]	OBW Power [%]	RBW [MHz]	Detector	OBW [MHz]	Verdict
2152.6	99	Auto	RMS	4.142915	No Conclusion



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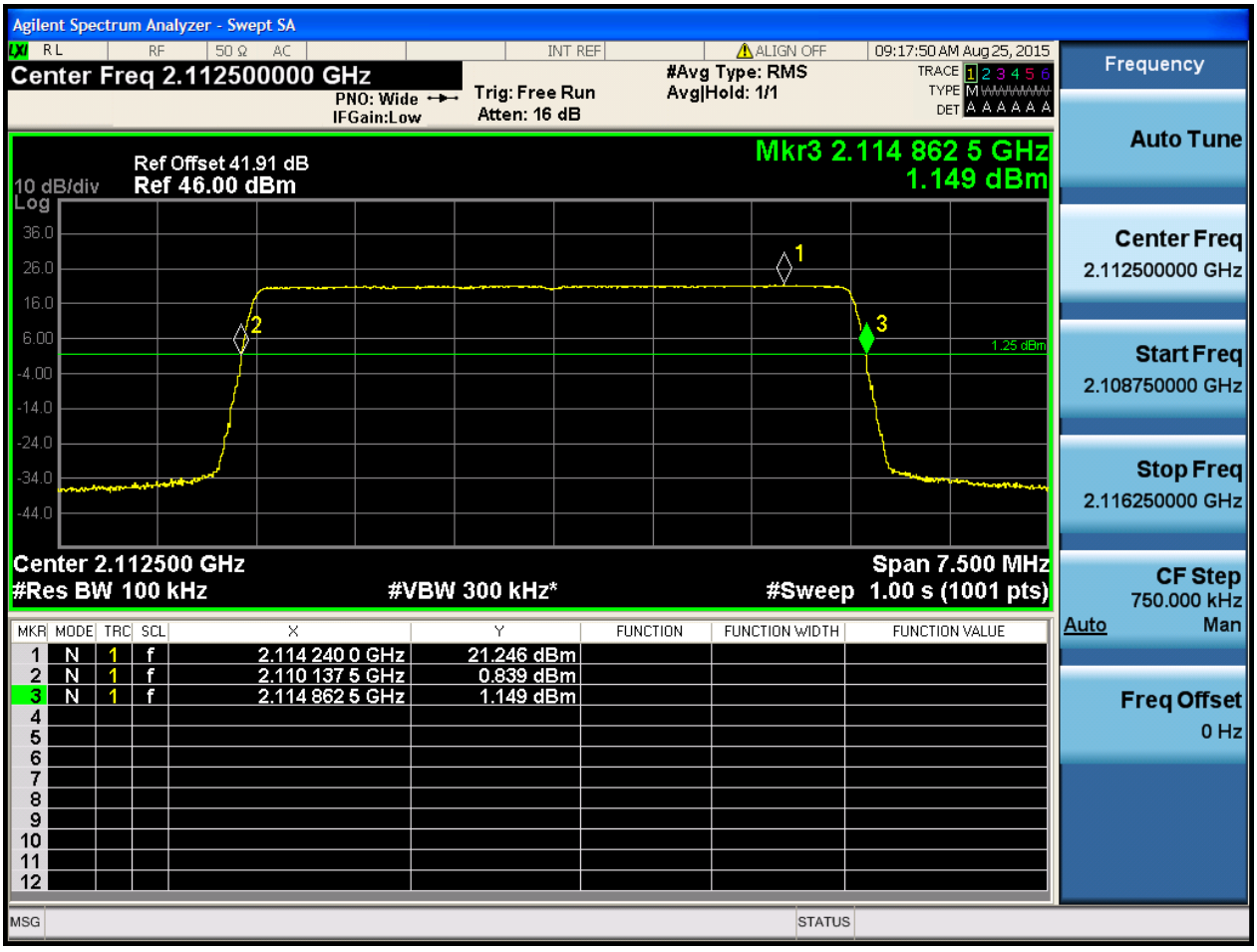
2.2 Emission Bandwidth (-20dBc)

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
2112.5	7.5	20	0.1	RMS	4.724992	5	2110.137472	2110	2114.862464	2155	Pass



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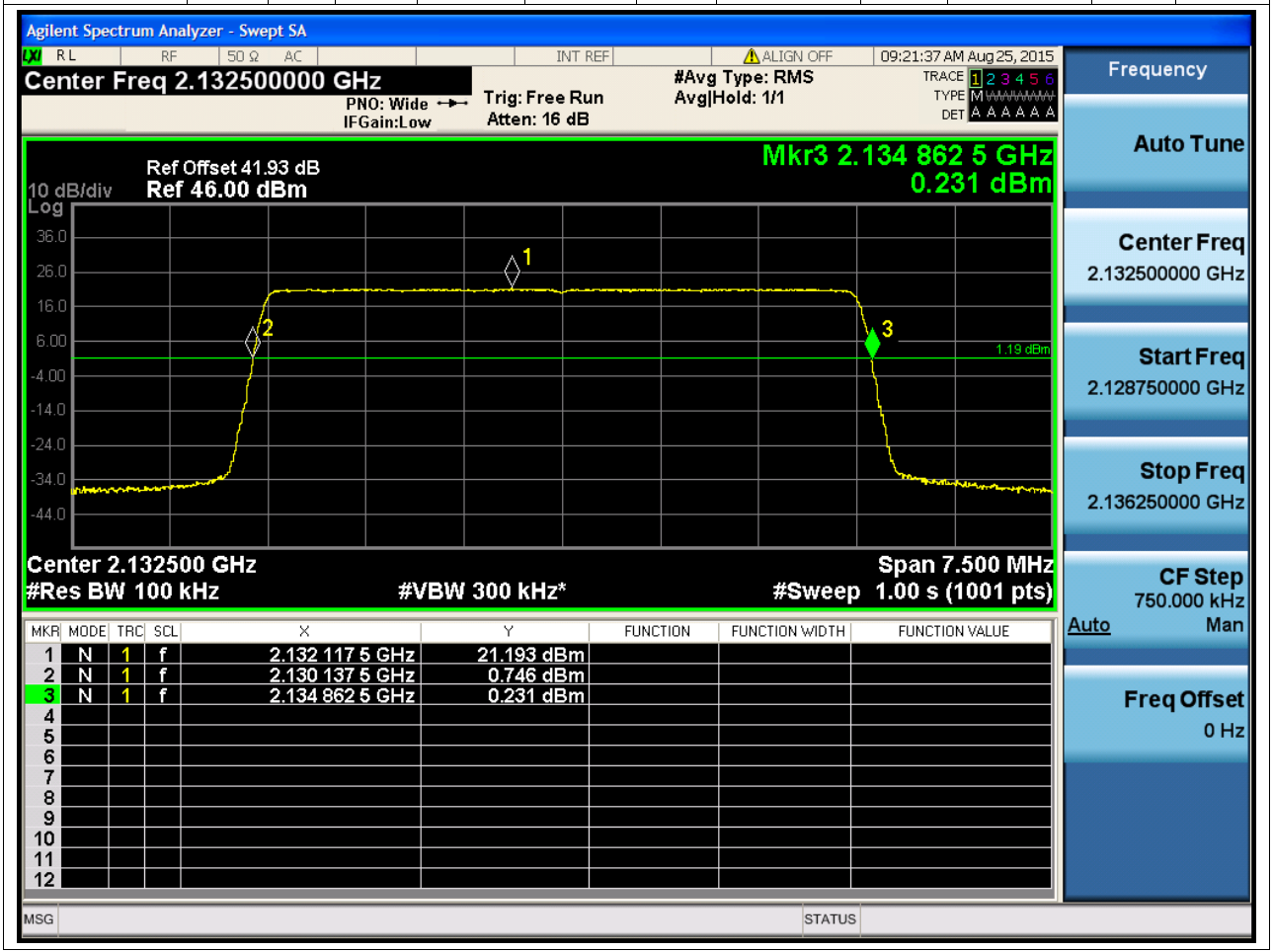
2.2.2 1L_ 5M_M

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
2132.5	7.5	20	0.1	RMS	4.724992	5	2130.137472	2110	2134.862464	2155	Pass



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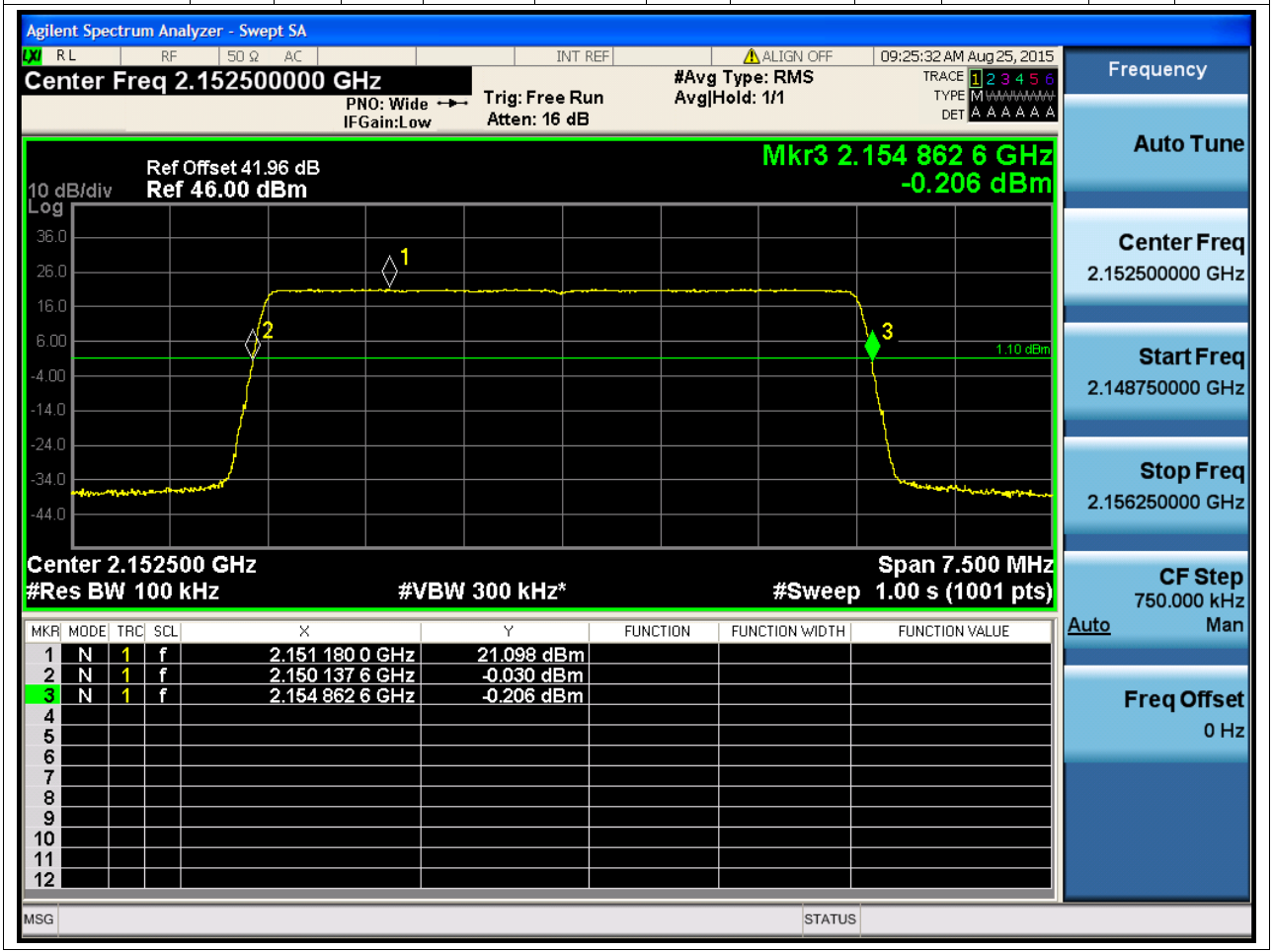
2.2.3 1L_ 5M_T

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
2152.5	7.5	20	0.1	RMS	4.724992	5	2150.1376	2110	2154.862592	2155	Pass



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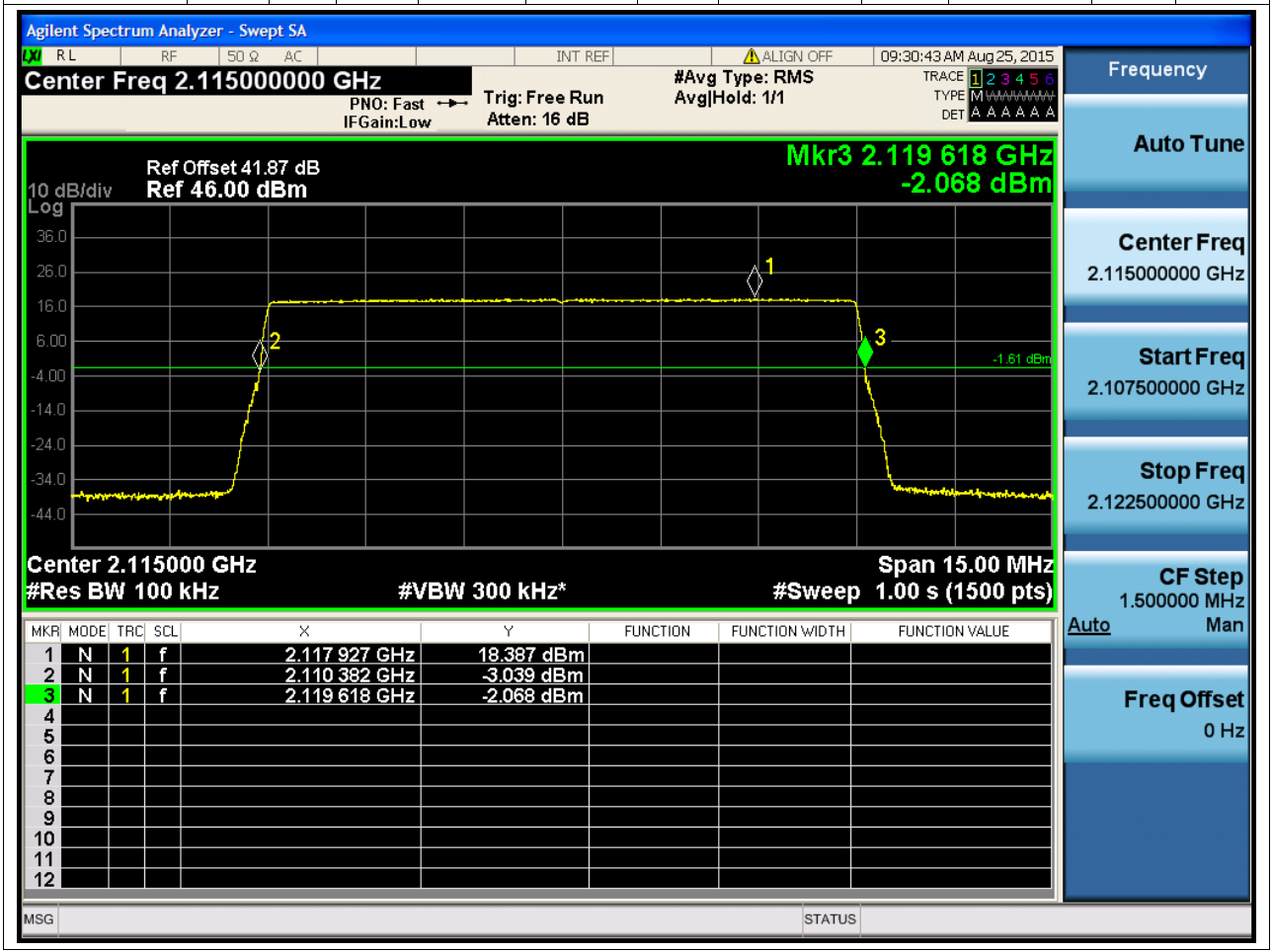
2.2.4 1L_ 10M_B

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
2115	15	20	0.1	RMS	9.236096	10	2110.381952	2110	2119.618048	2155	Pass



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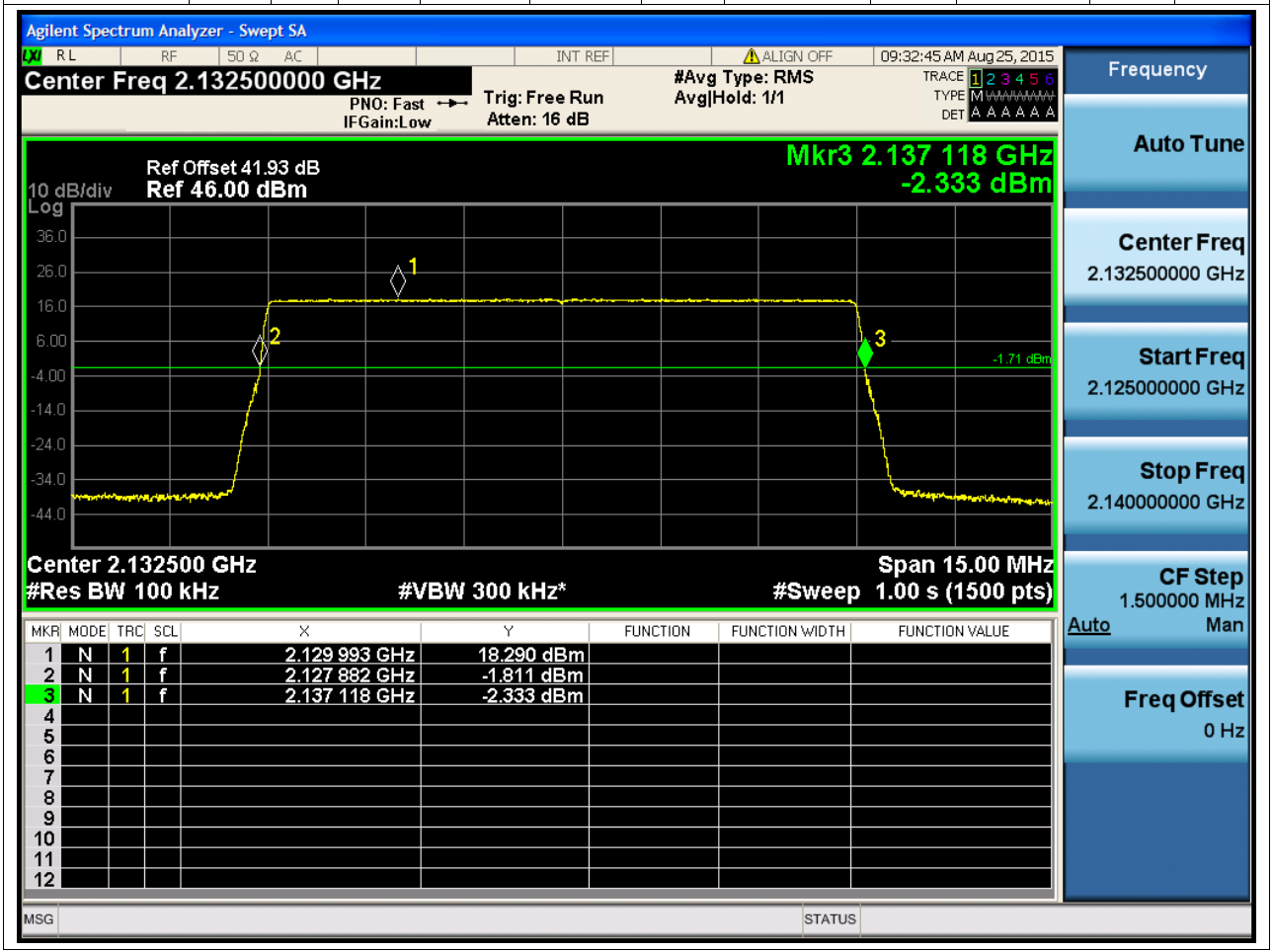
2.2.5 1L_ 10M_M

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
2132.5	15	20	0.1	RMS	9.236096	10	2127.881984	2110	2137.11808	2155	Pass



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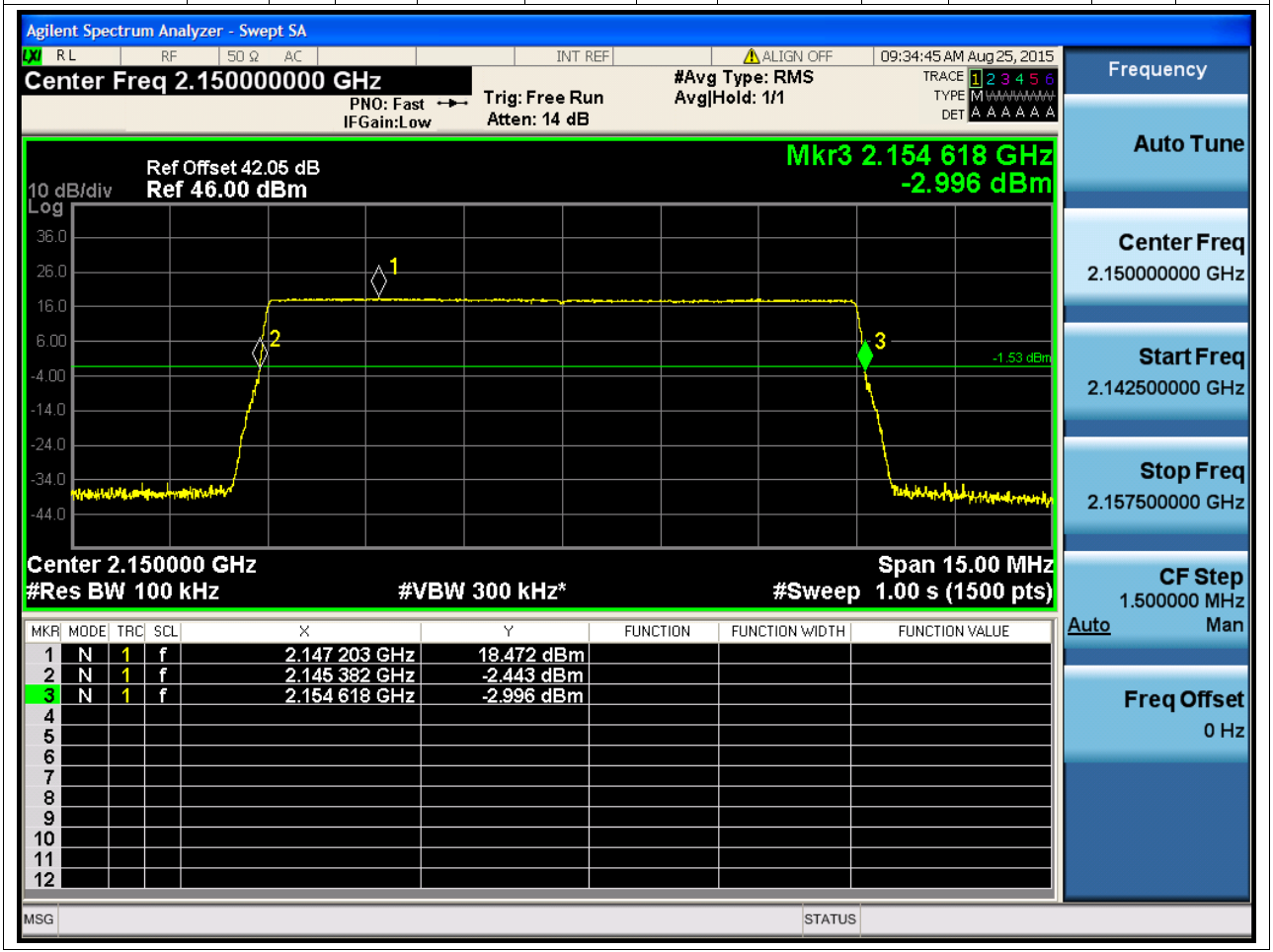
2.2.6 1L_ 10M_T

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
2150	15	20	0.1	RMS	9.236224	10	2145.381888	2110	2154.618112	2155	Pass



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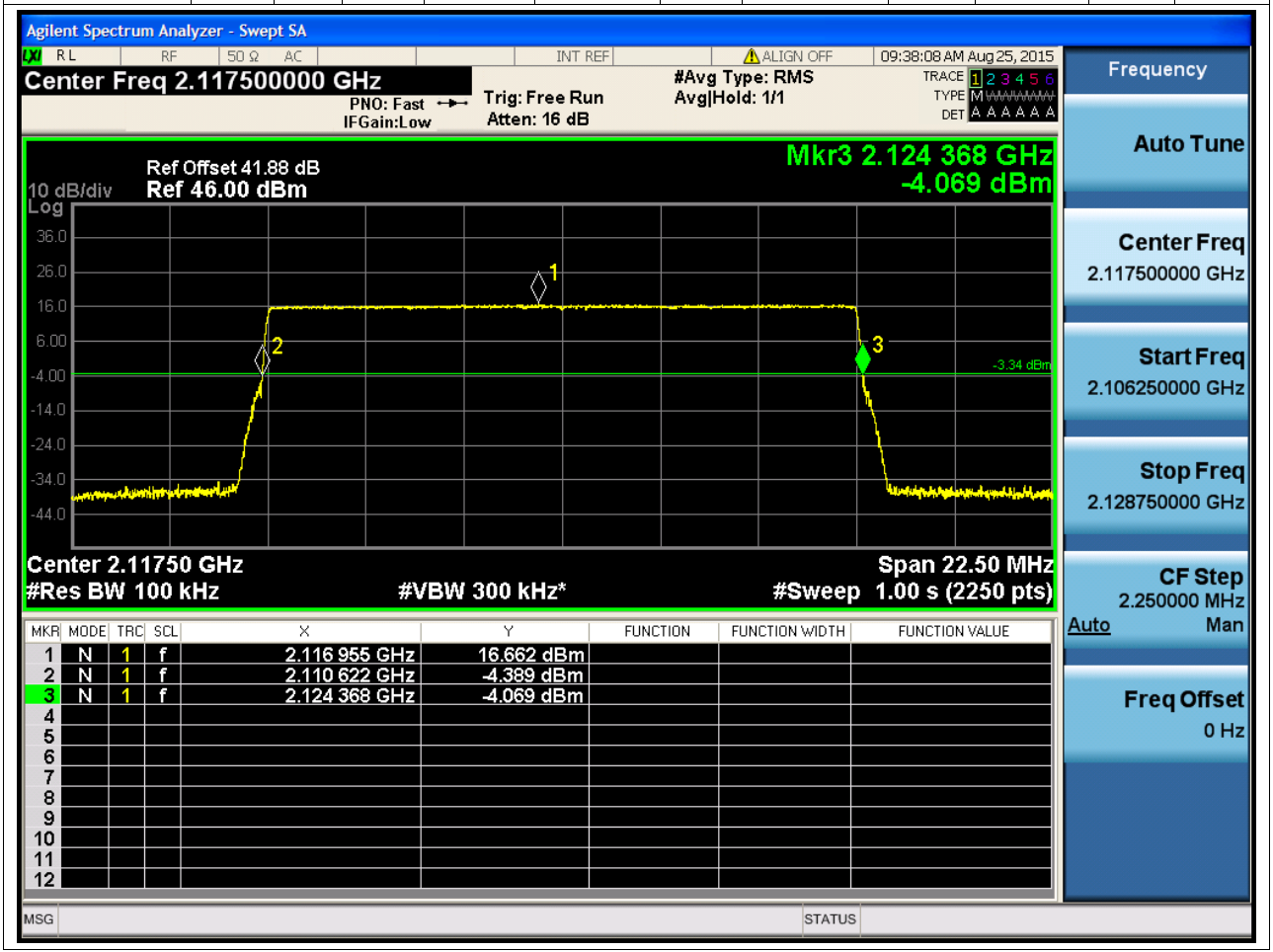
2.2.7 1L_ 15M_B

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
2117.5	22.5	20	0.1	RMS	13.746048	15	2110.621952	2110	2124.368	2155	Pass



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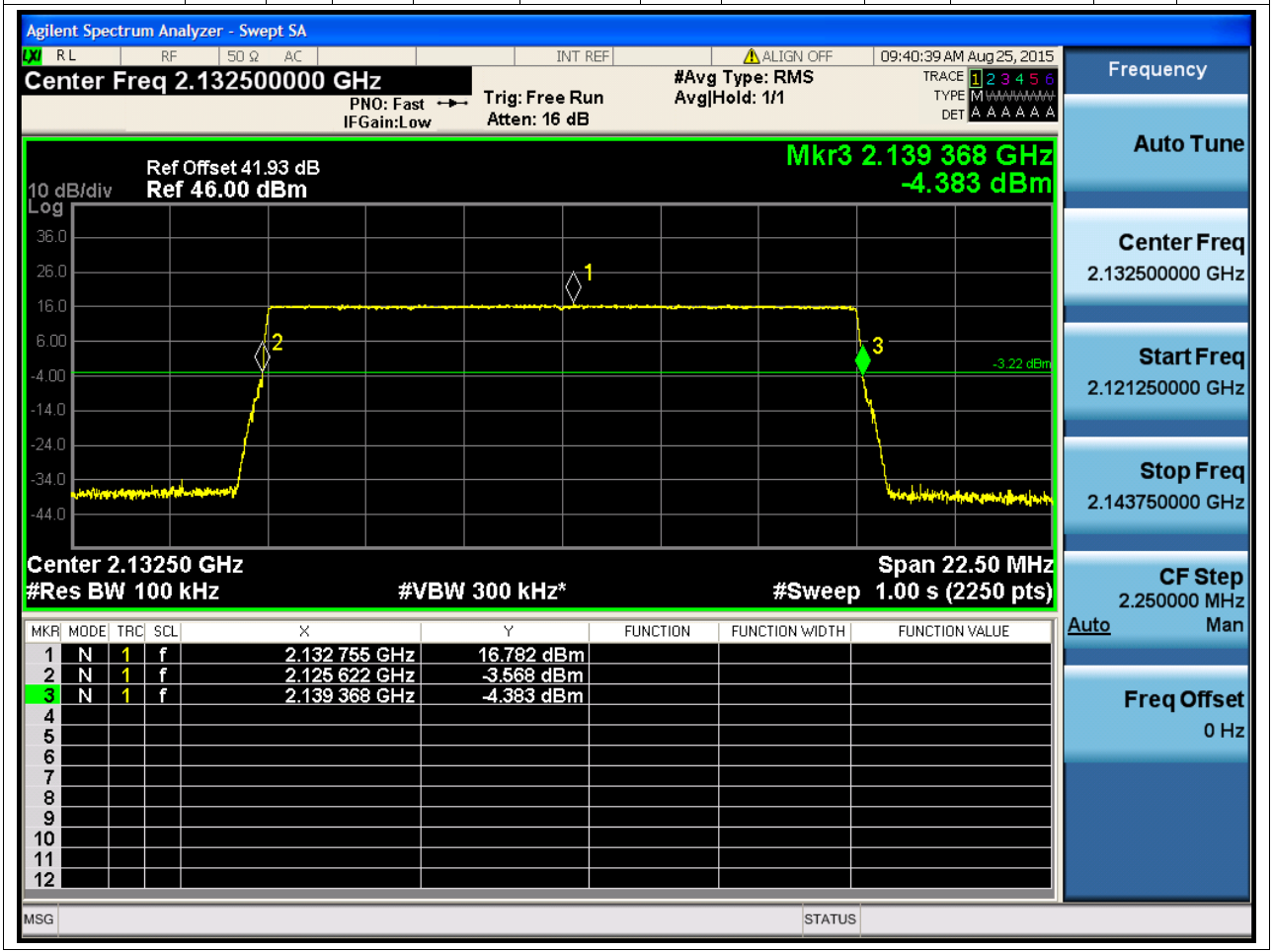
2.2.8 1L_ 15M_M

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
2132.5	22.5	20	0.1	RMS	13.746176	15	2125.621888	2110	2139.368064	2155	Pass



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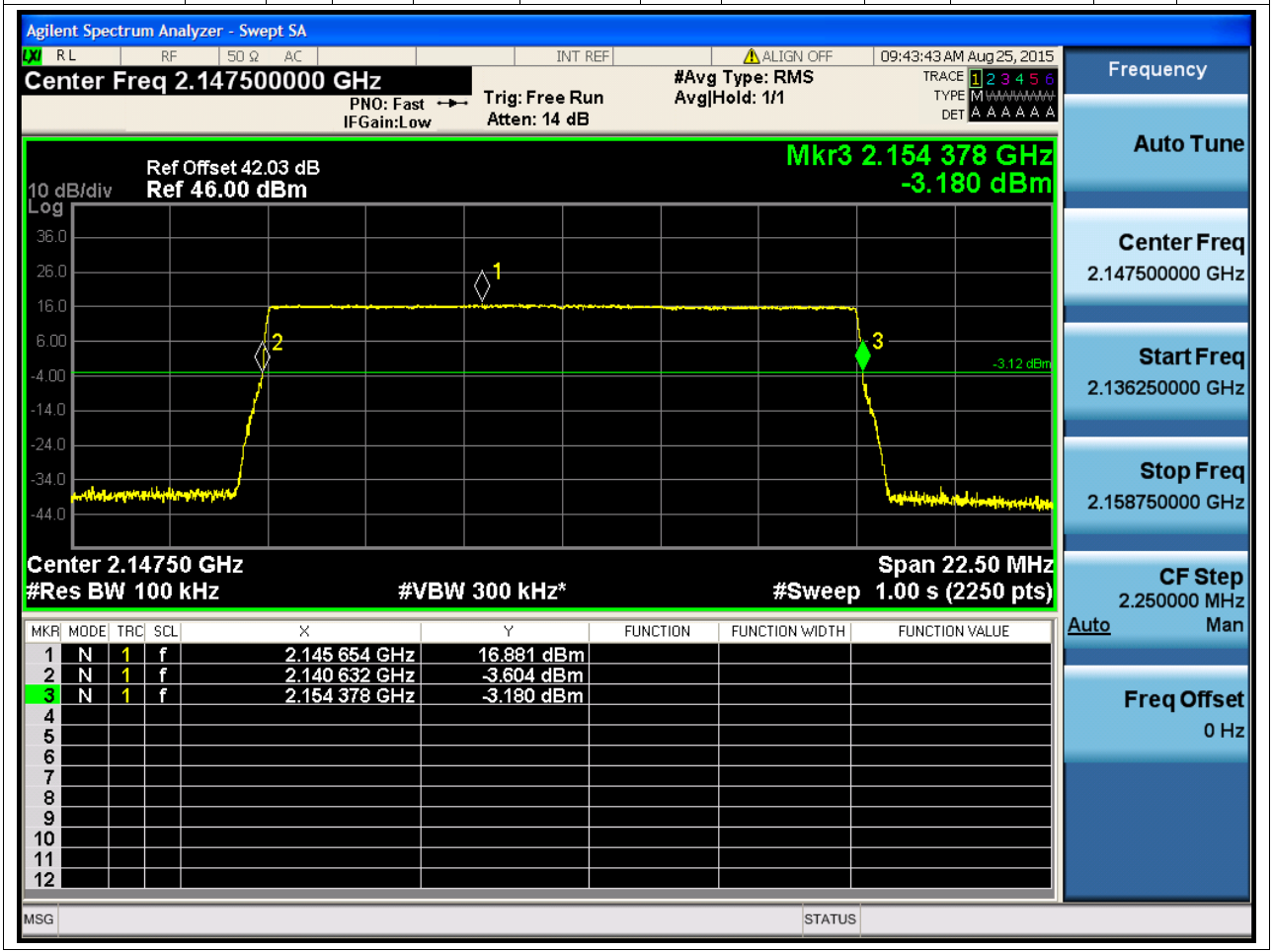
2.2.9 1L_ 15M_T

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
2147.5	22.5	20	0.1	RMS	13.746048	15	2140.631936	2110	2154.377984	2155	Pass



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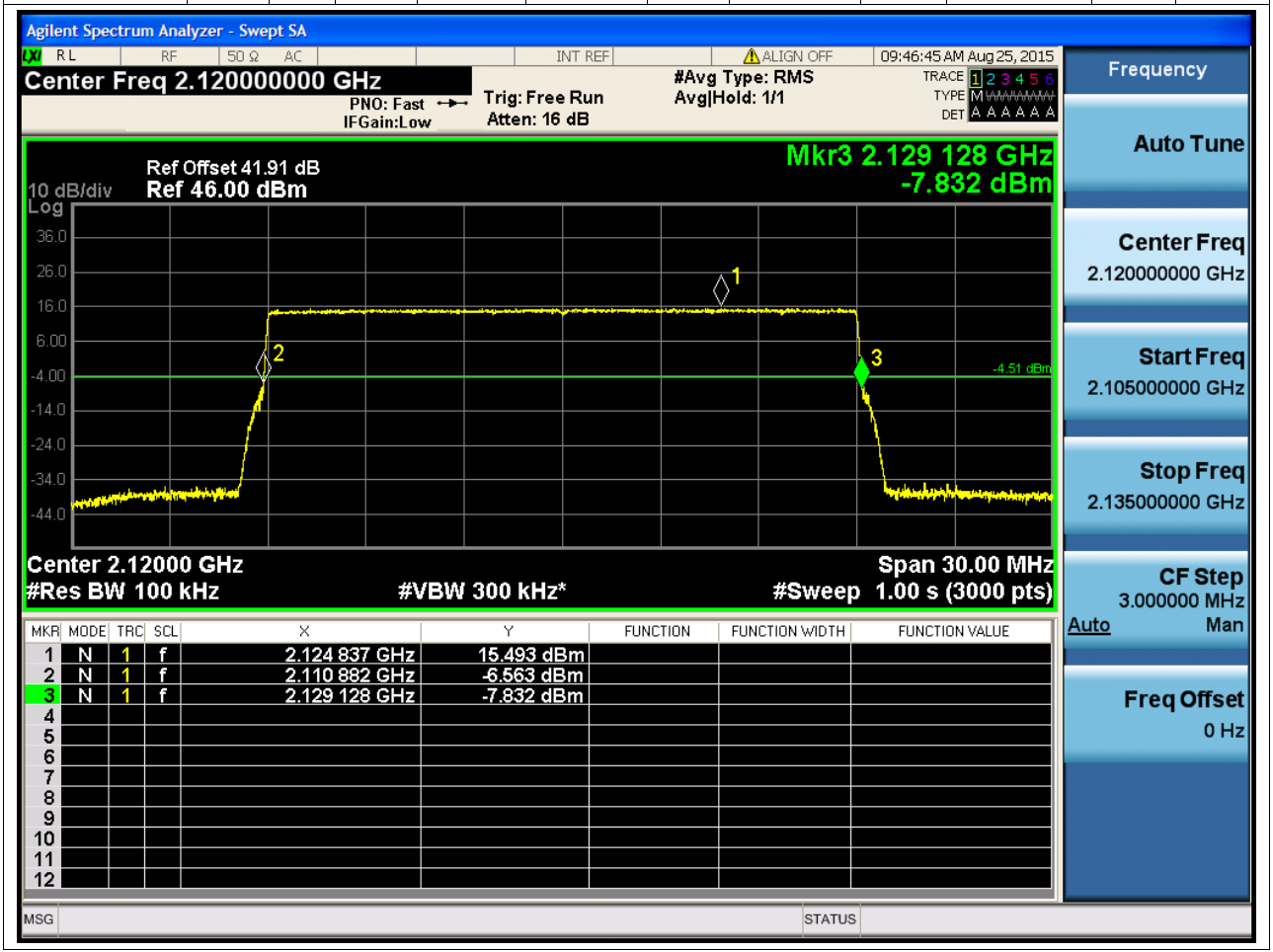
2.2.10 1L_ 20M_B

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
2120	30	20	0.1	RMS	18.246144	20	2110.88192	2110	2129.128064	2155	Pass



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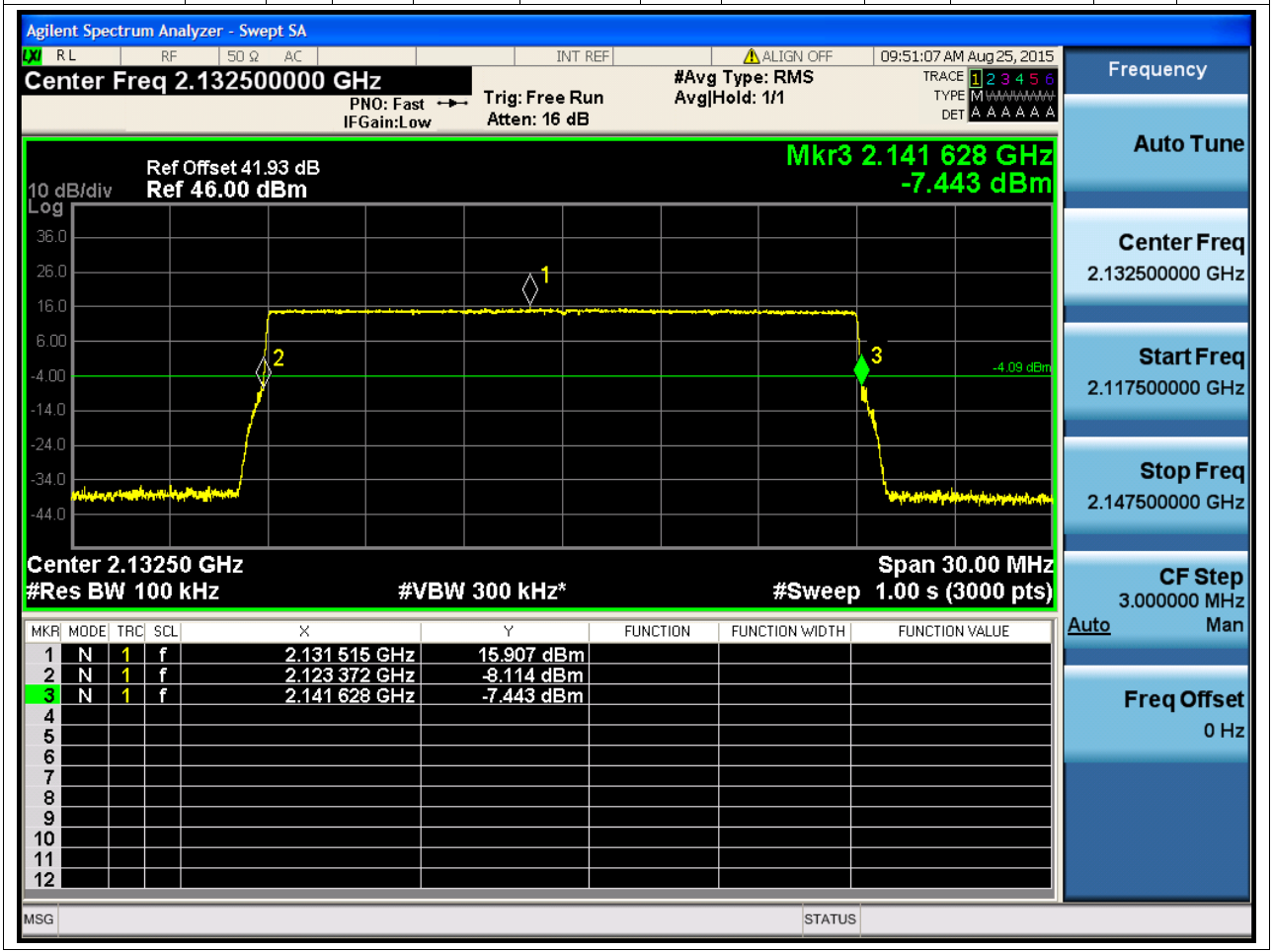
2.2.11 1L_ 20M _M

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
2132.5	30	20	0.1	RMS	18.256128	20	2123.371904	2110	2141.628032	2155	Pass



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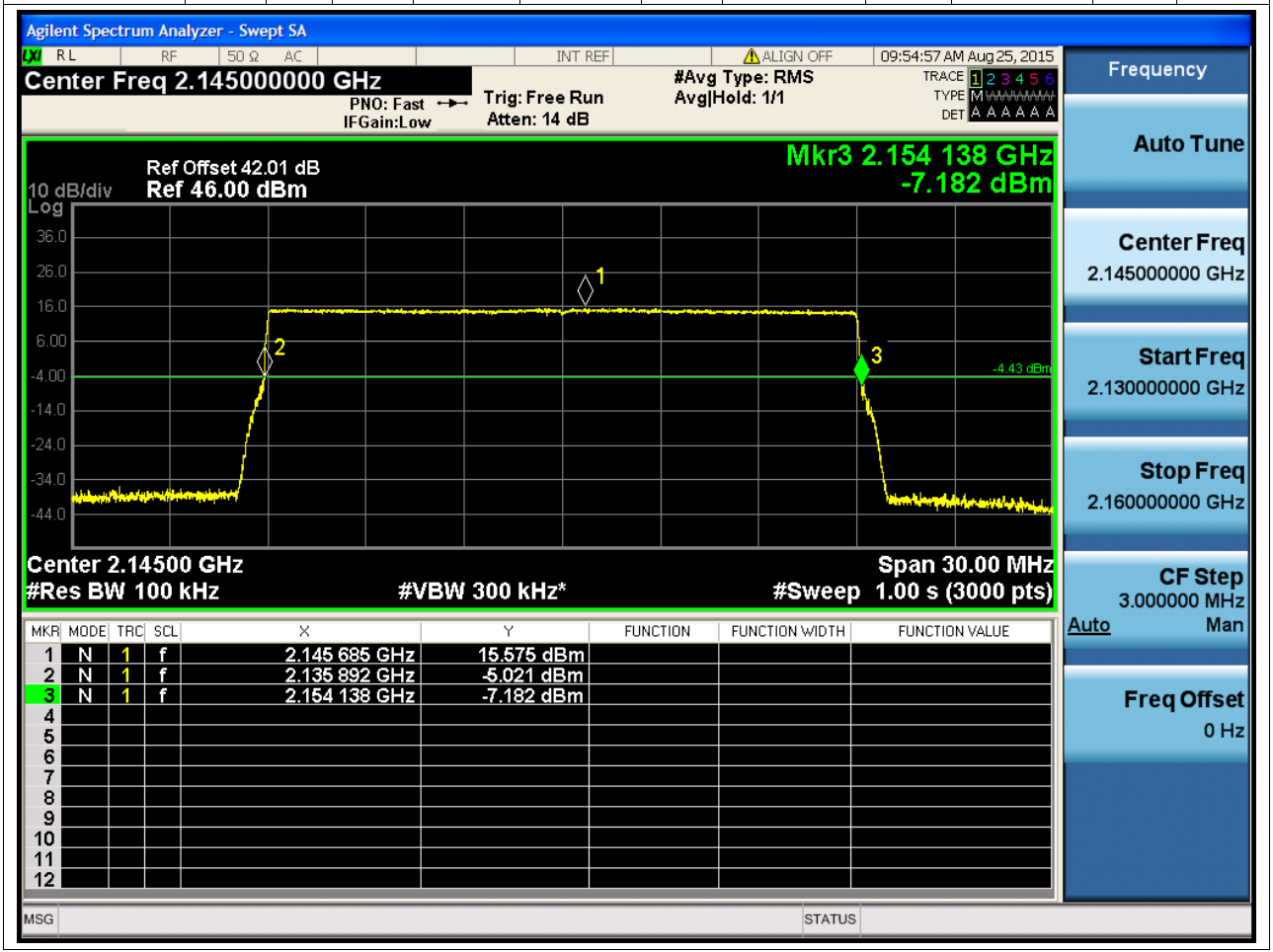
2.2.12 1L_ 20M _T

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
2145	30	20	0.1	RMS	18.246144	20	2135.891968	2110	2154.138112	2155	Pass



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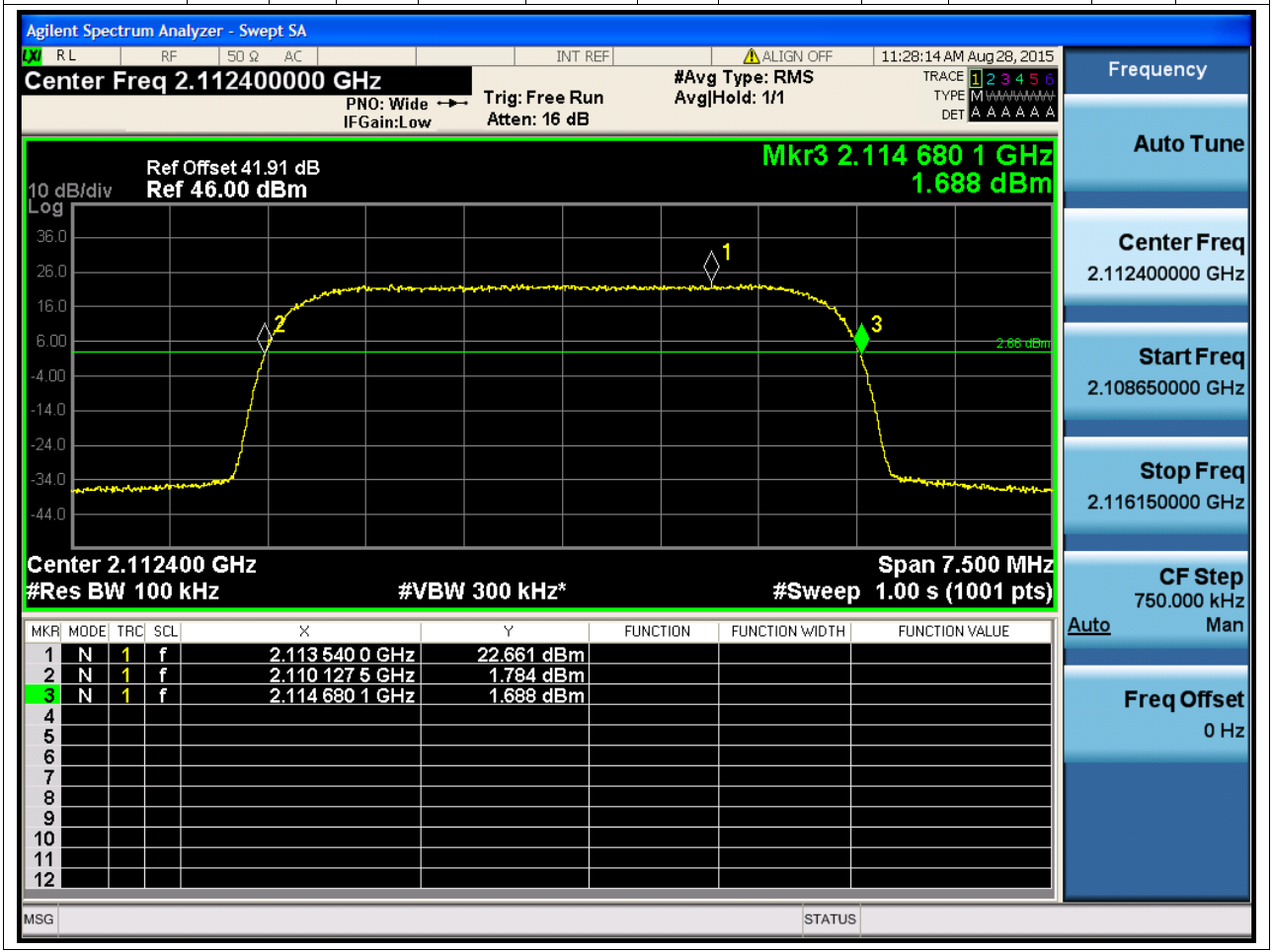
2.2.13 1U_B

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
2112.4	7.5	20	0.1	RMS	4.552576	5	2110.127488	2110	2114.680064	2155	Pass



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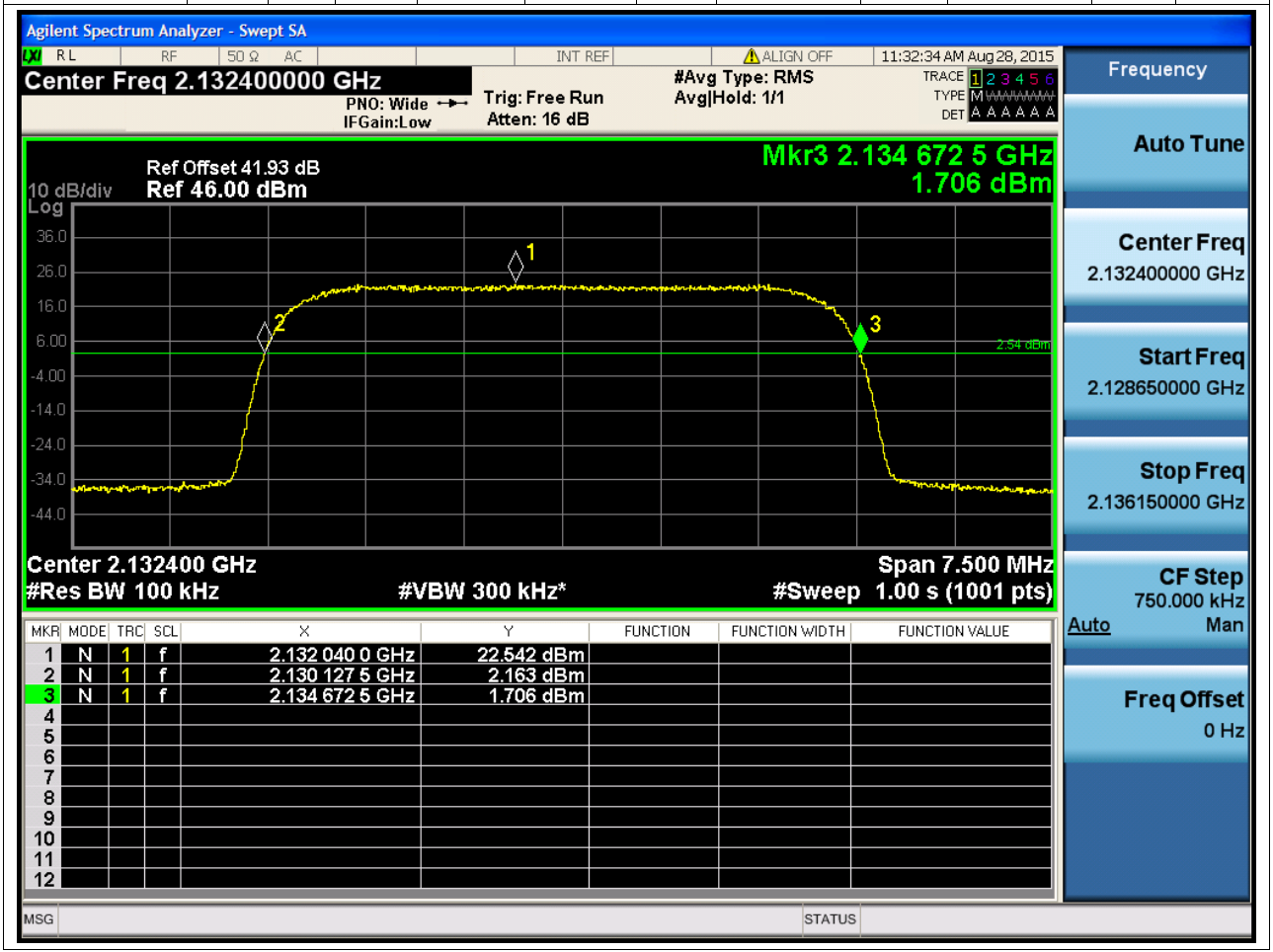
2.2.14 1U_M

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
2132.4	7.5	20	0.1	RMS	4.545024	5	2130.127488	2110	2134.672512	2155	Pass



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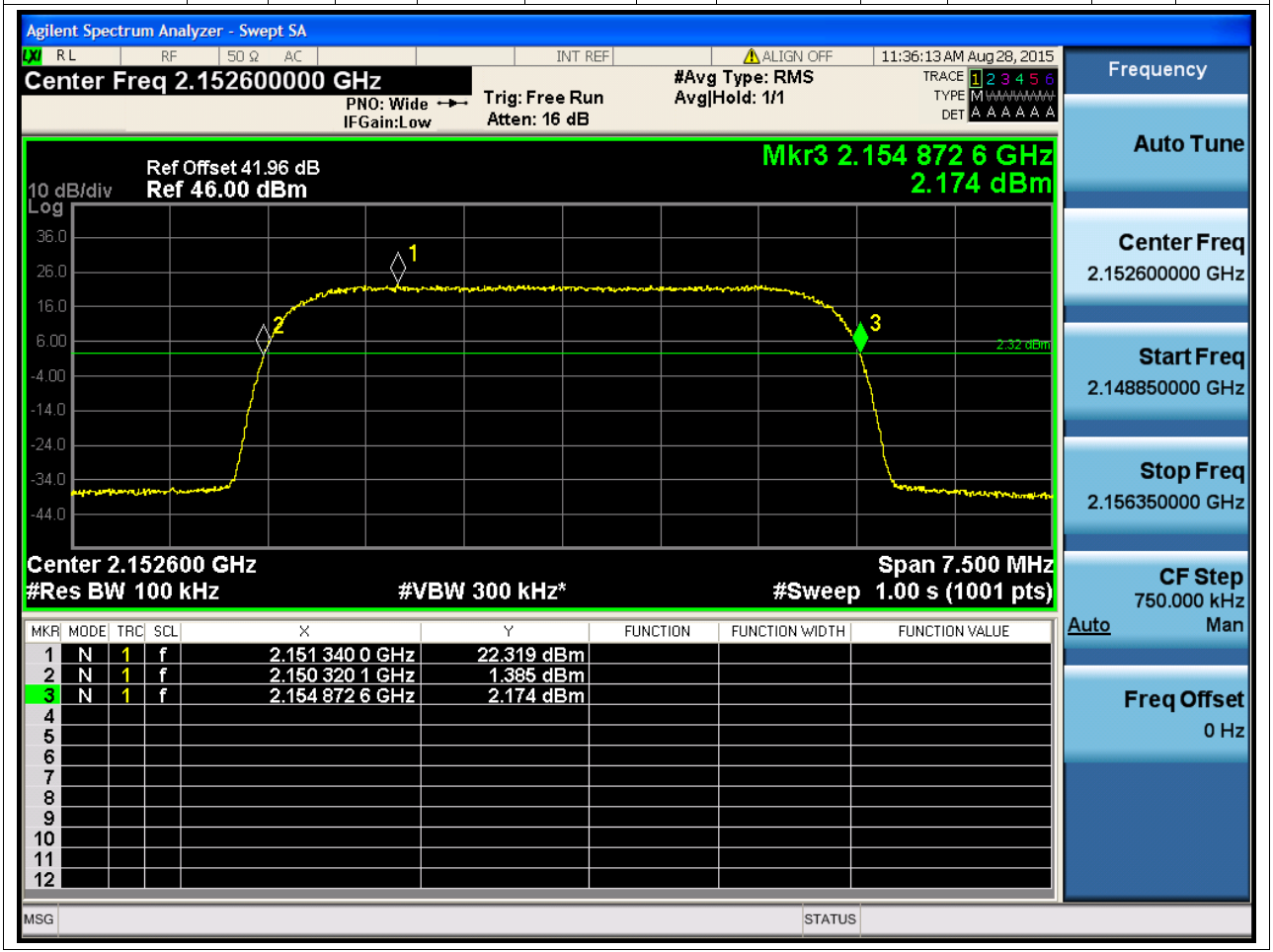
2.2.15 1U _T

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
2152.6	7.5	20	0.1	RMS	4.552448	5	2150.320128	2110	2154.872576	2155	Pass



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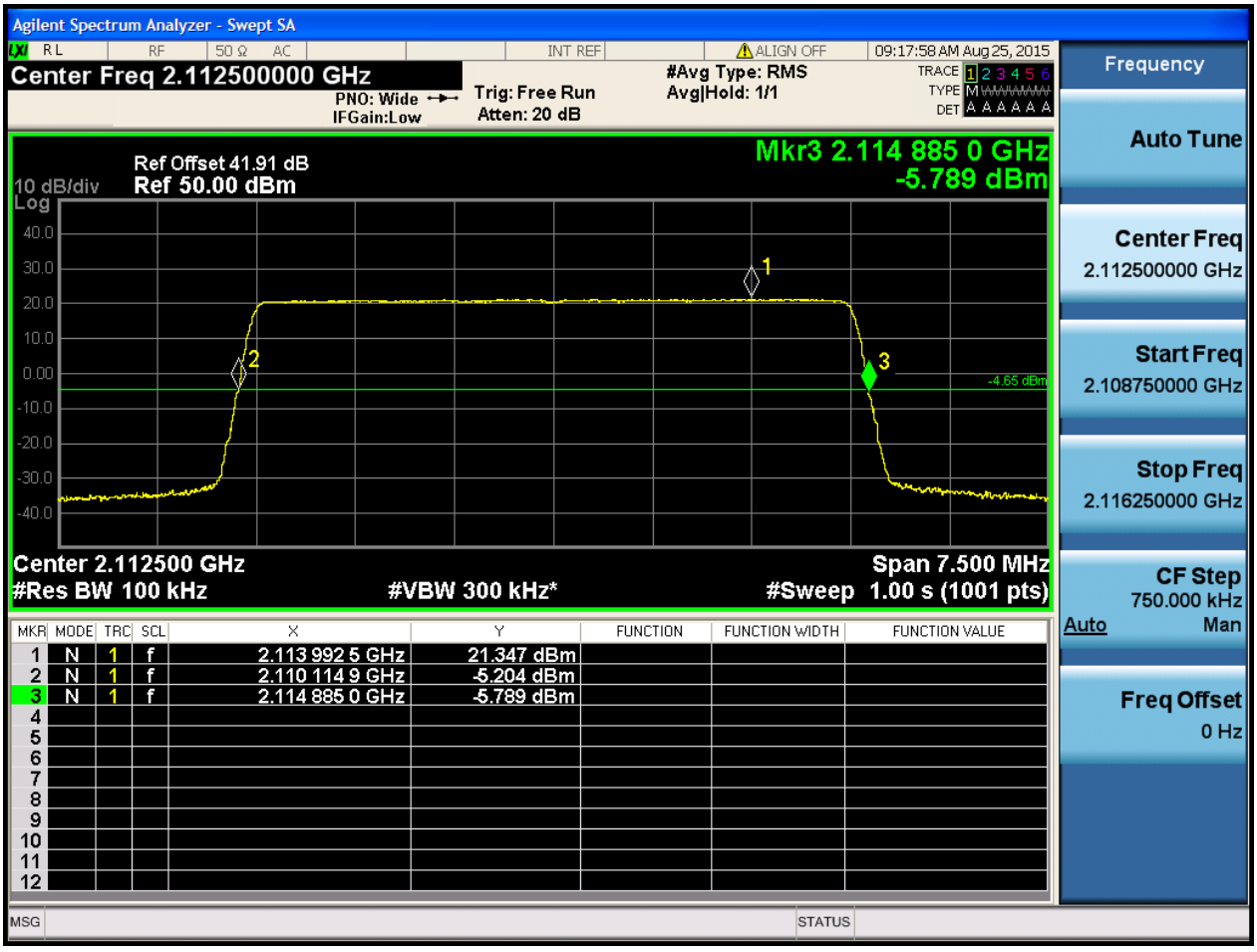
2.3 Emission Bandwidth (-26dBc)

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
2112.5	7.5	26	0.1	RMS	4.770048	5	2110.114944	2110	2114.884992	2155	Pass



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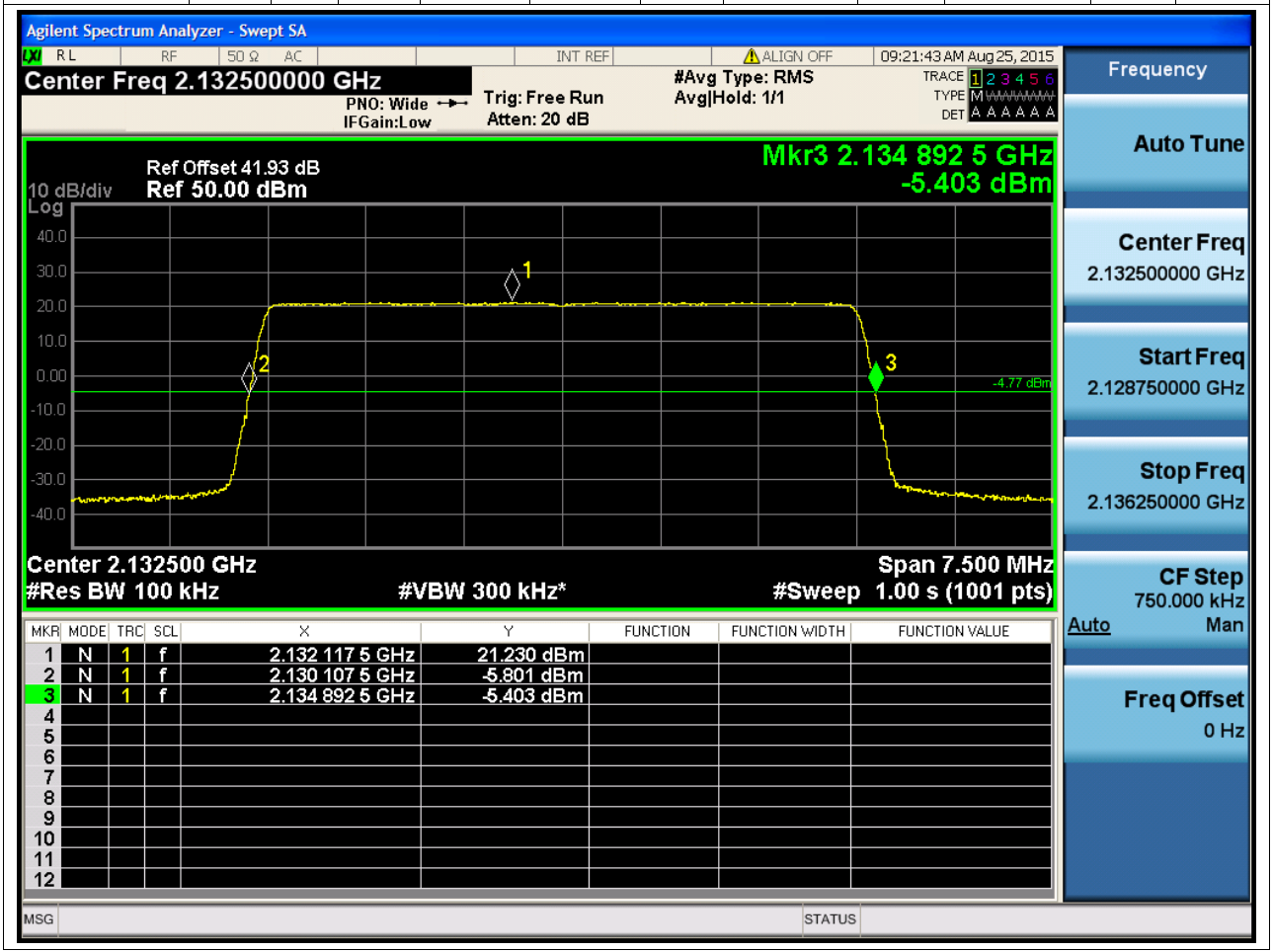
2.3.2 1L_ 5M_M

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
2132.5	7.5	26	0.1	RMS	4.785024	5	2130.10752	2110	2134.892544	2155	Pass



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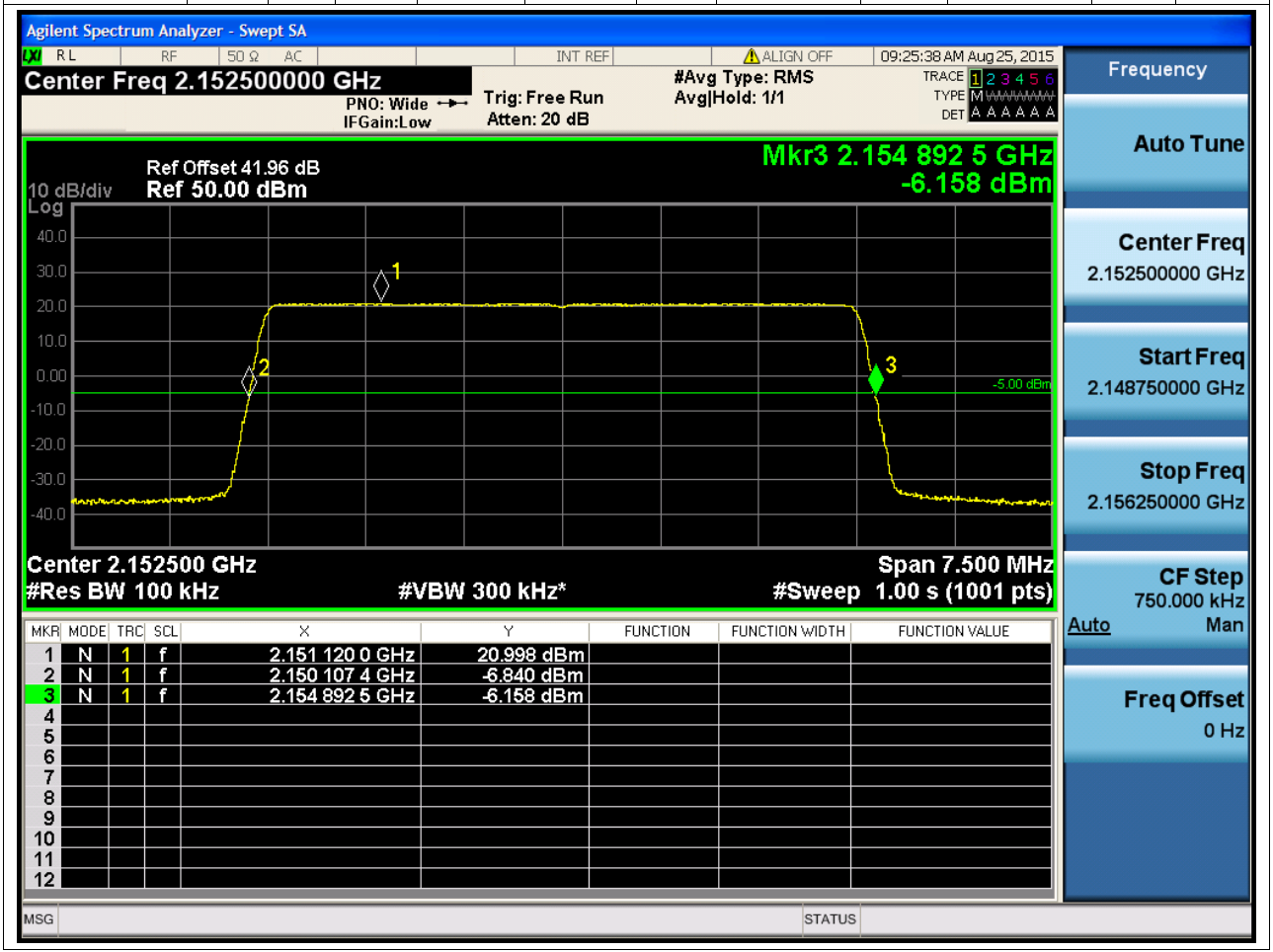
2.3.3 1L_ 5M_T

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
2152.5	7.5	26	0.1	RMS	4.785152	5	2150.107392	2110	2154.892544	2155	Pass



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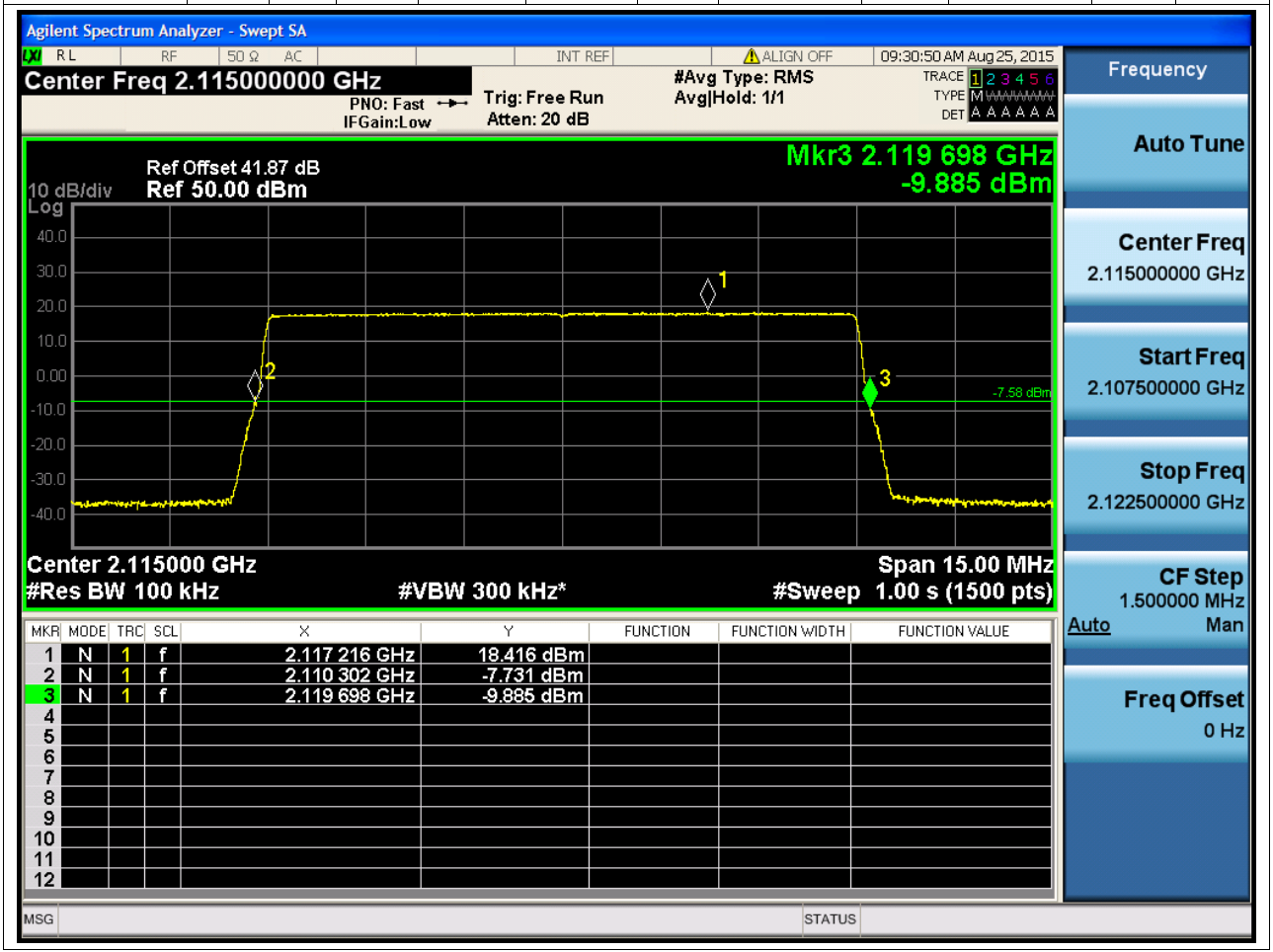
2.3.4 1L_ 10M_B

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
2115	15	26	0.1	RMS	9.396352	10	2110.301824	2110	2119.698176	2155	Pass



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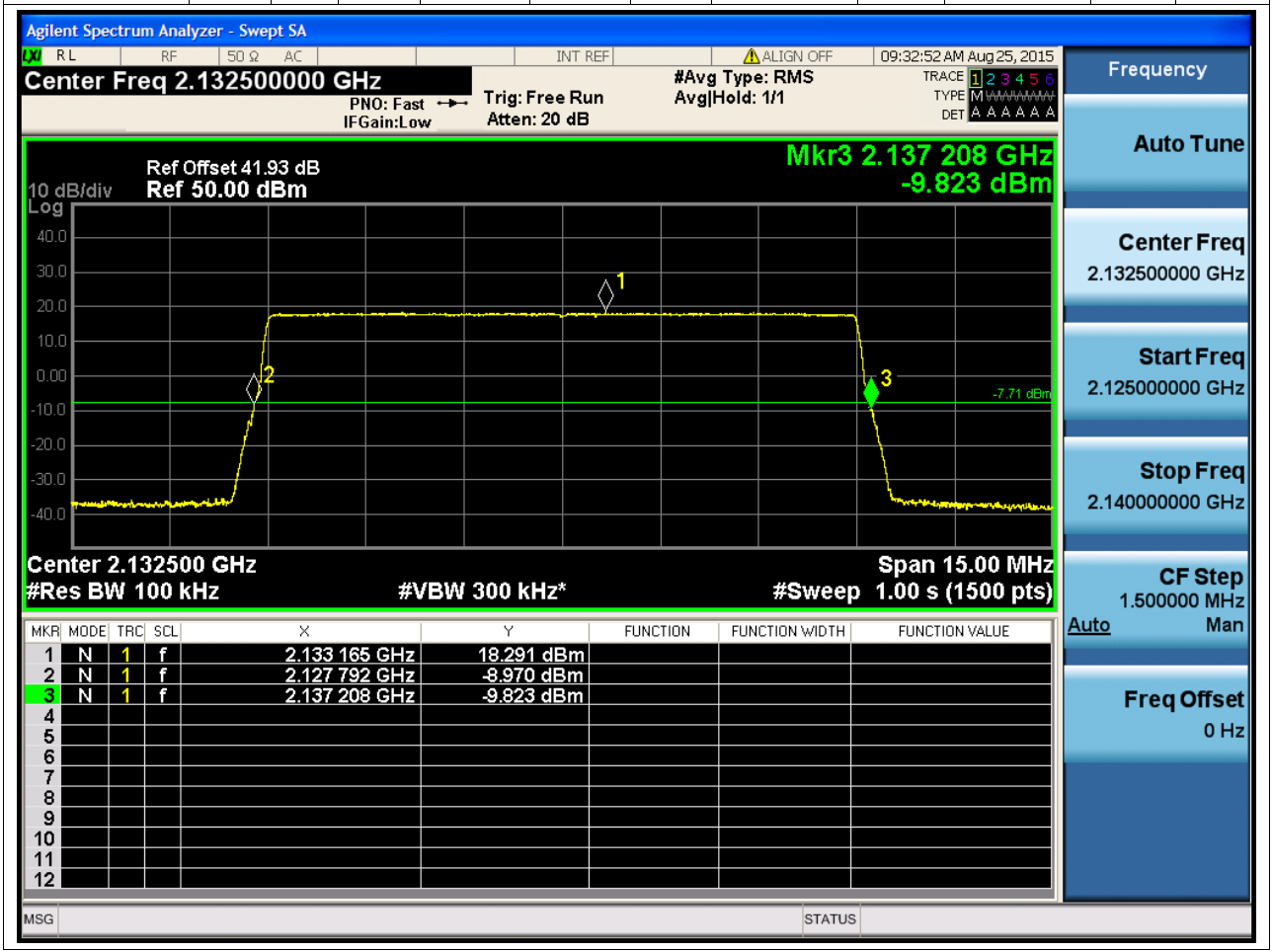
2.3.5 1L_ 10M_M

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
2132.5	15	26	0.1	RMS	9.41632	10	2127.791872	2110	2137.208192	2155	Pass



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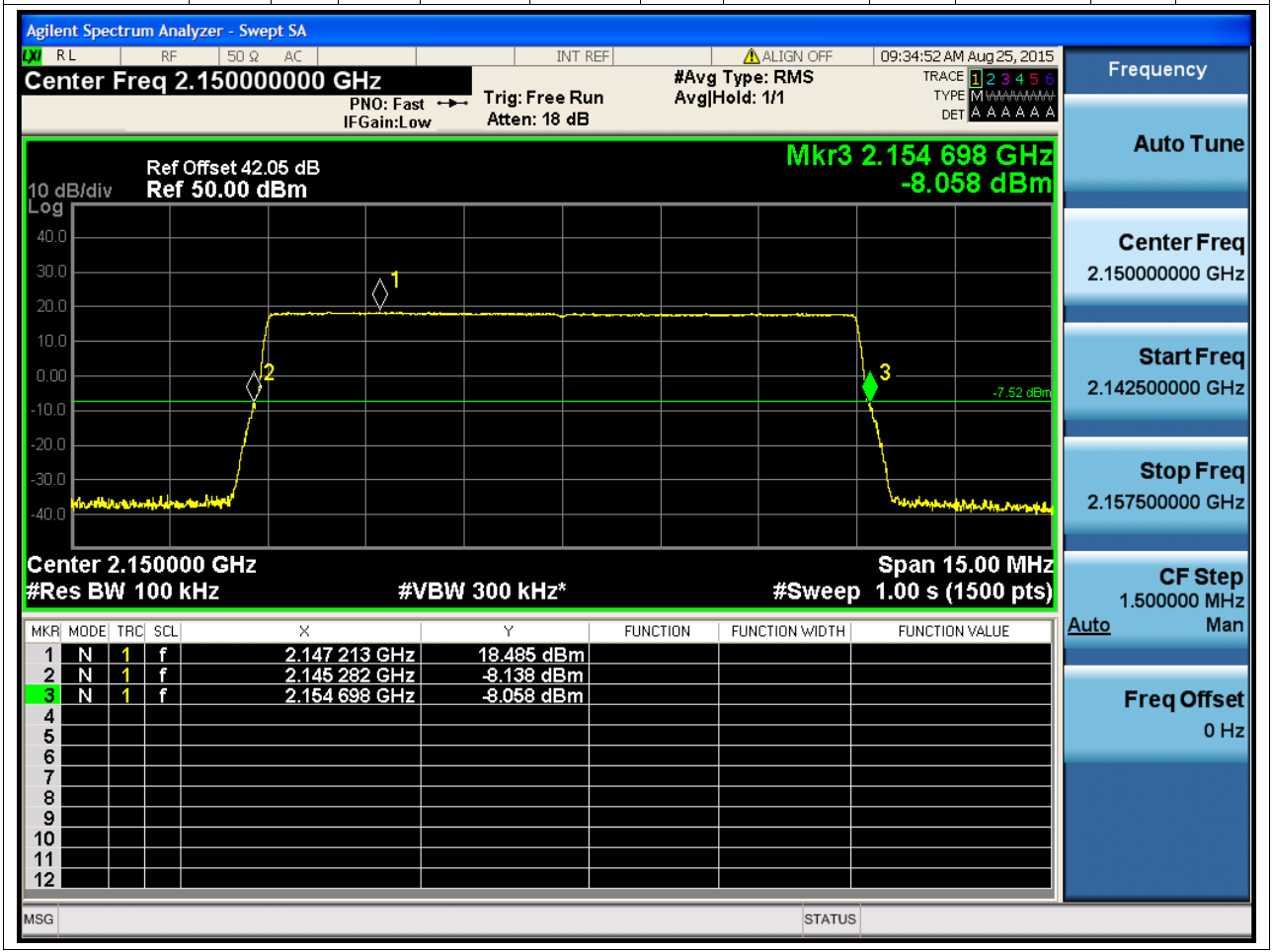
2.3.6 1L_ 10M_T

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
2150	15	26	0.1	RMS	9.416448	10	2145.281792	2110	2154.69824	2155	Pass



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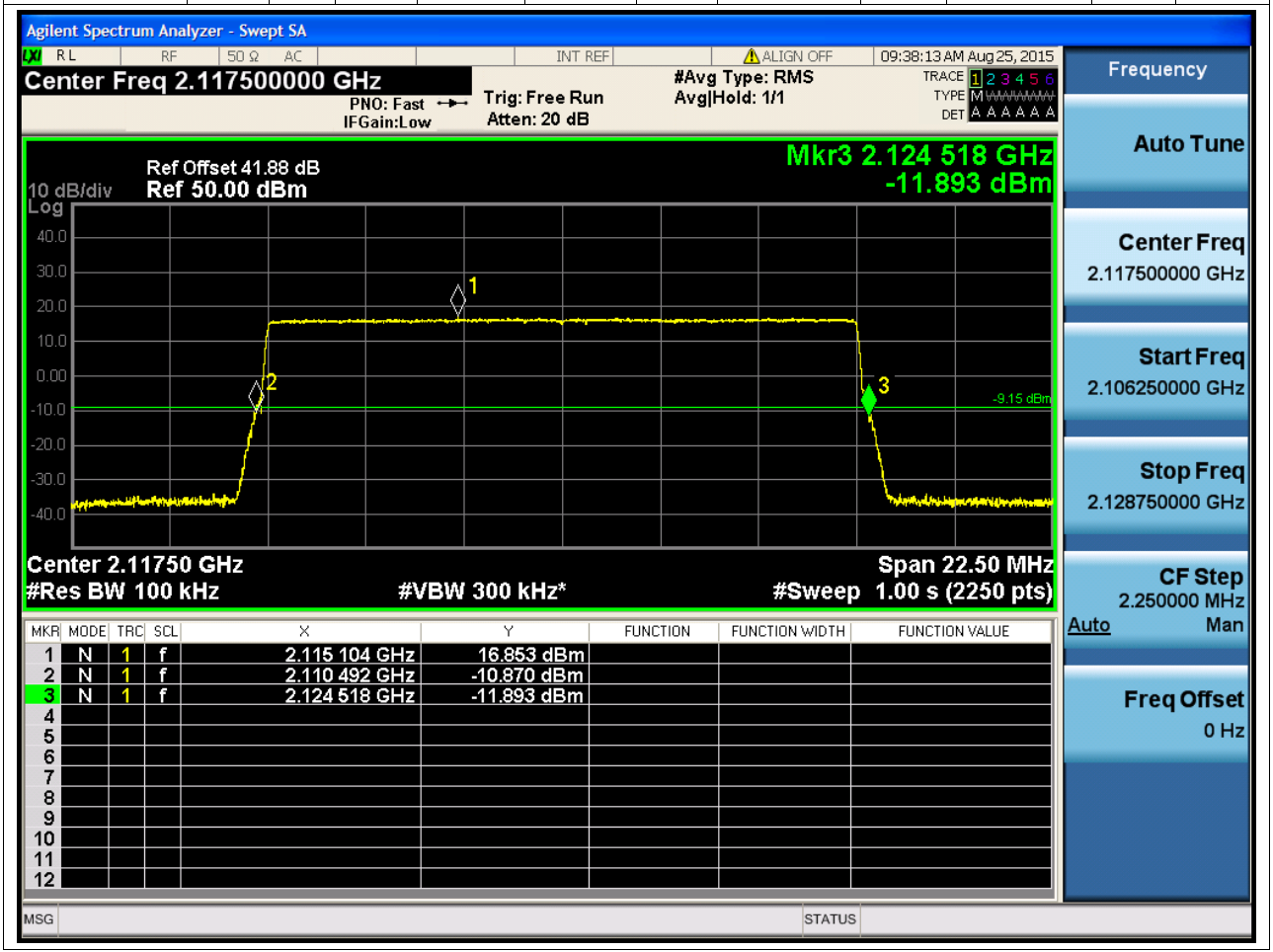
2.3.7 1L_ 15M_B

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
2117.5	22.5	26	0.1	RMS	14.02624	15	2110.491904	2110	2124.518144	2155	Pass



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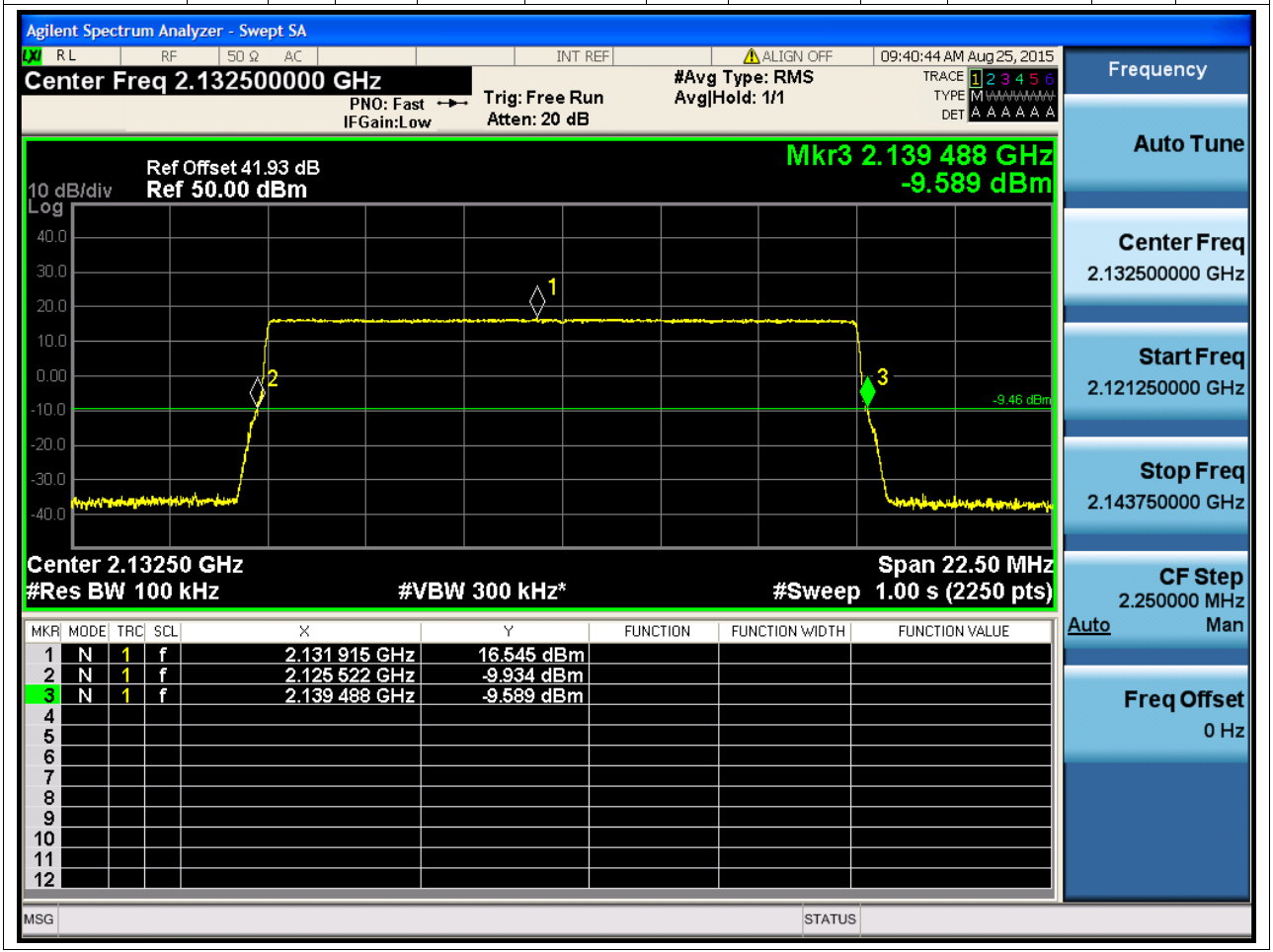
2.3.8 1L_ 15M_M

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
2132.5	22.5	26	0.1	RMS	13.966208	15	2125.52192	2110	2139.488128	2155	Pass



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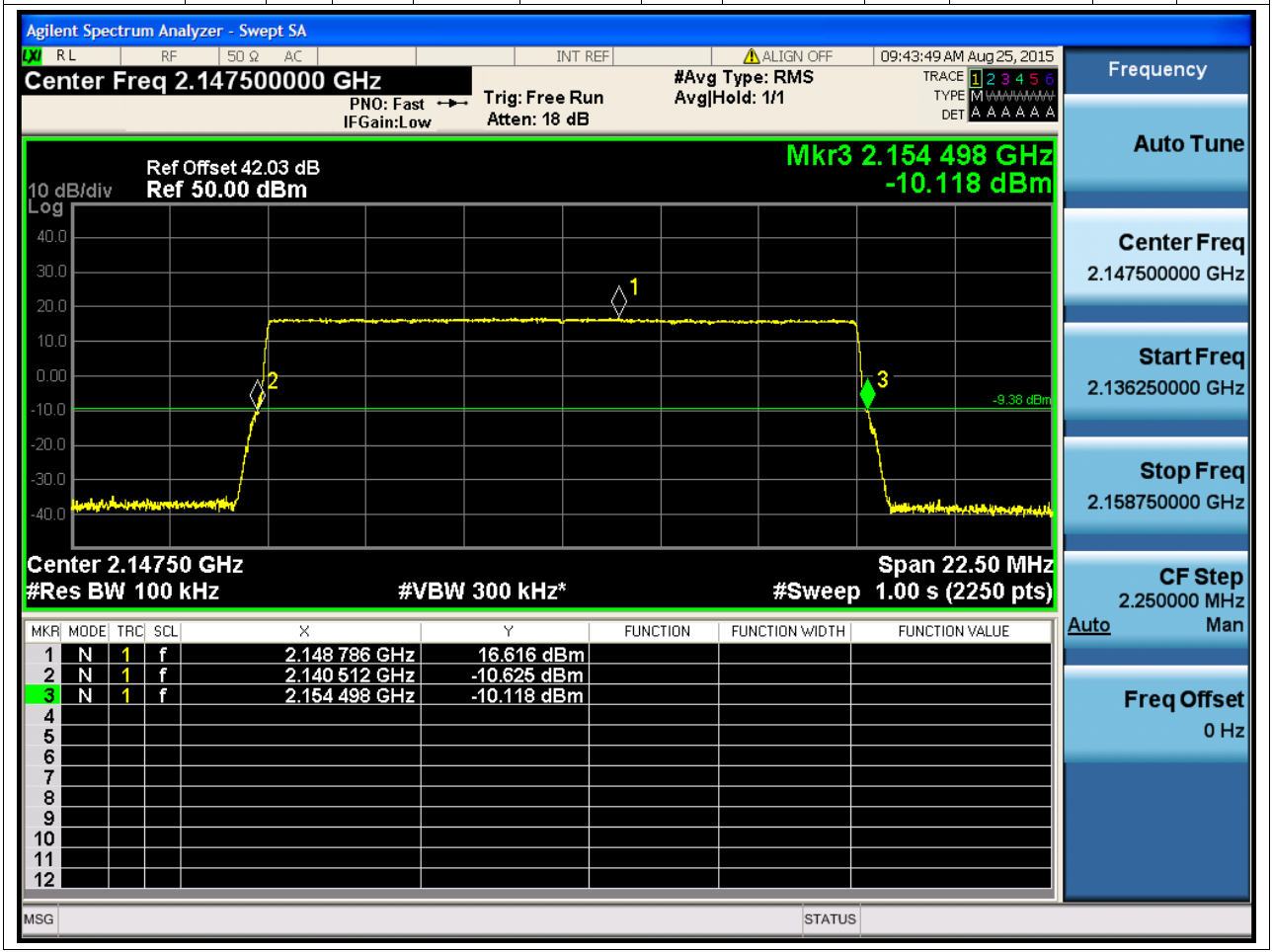
2.3.9 1L_ 15M_T

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
2147.5	22.5	26	0.1	RMS	13.986176	15	2140.511872	2110	2154.498048	2155	Pass



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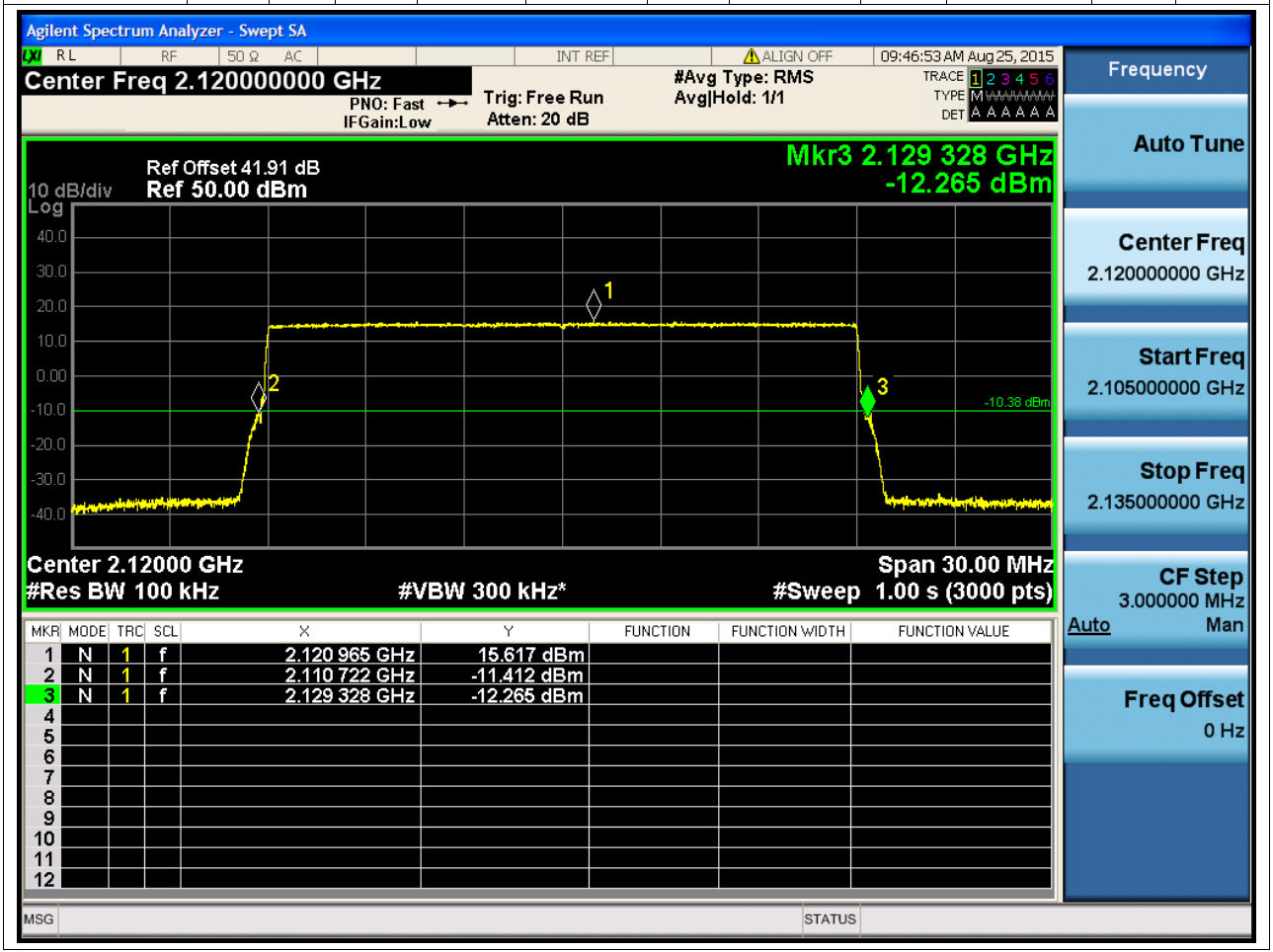
2.3.10 1L_ 20M_B

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
2120	30	26	0.1	RMS	18.606208	20	2110.72192	2110	2129.328128	2155	Pass



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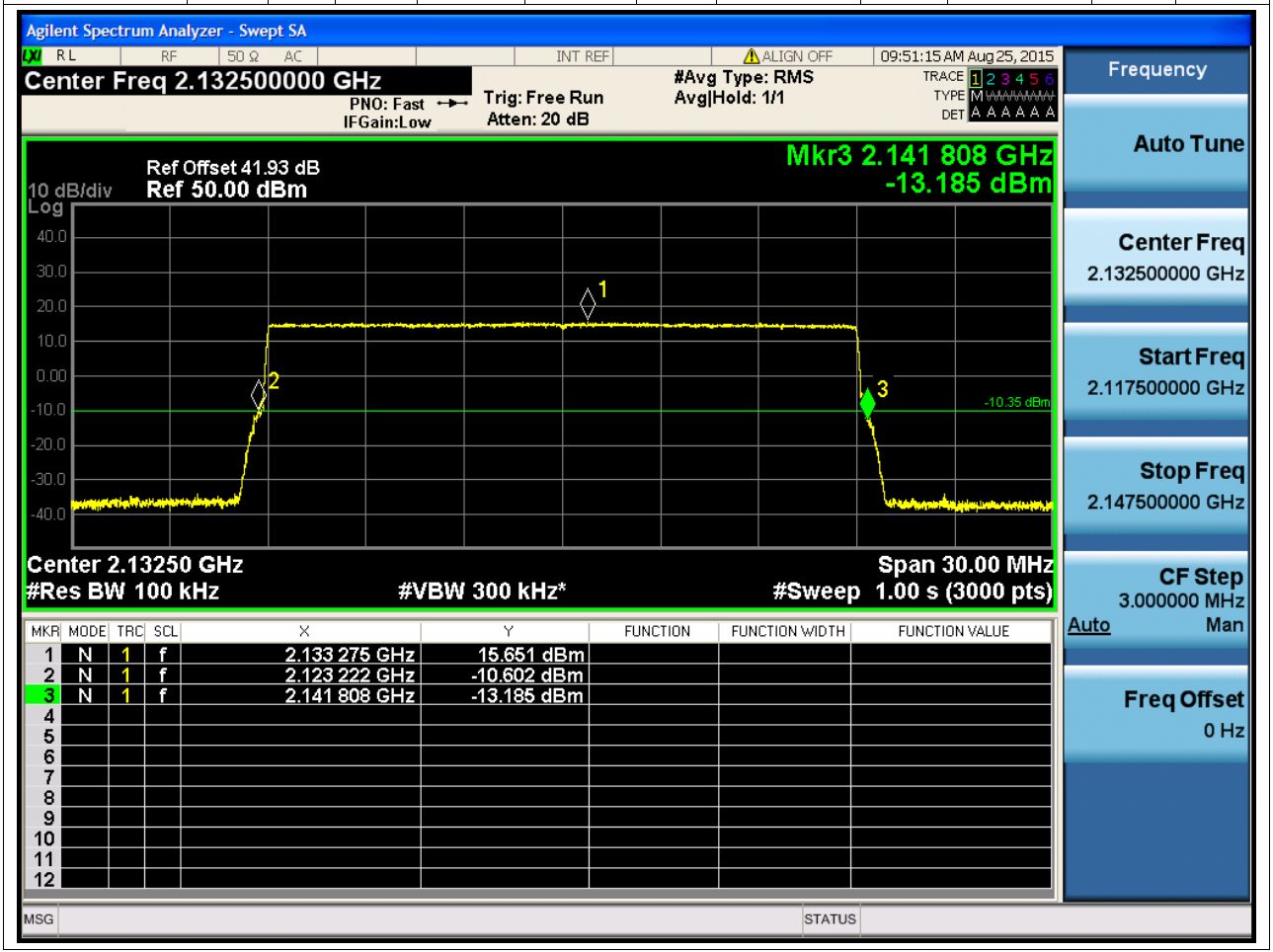
2.3.11 1L_ 20M _M

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
2132.5	30	26	0.1	RMS	18.58624	20	2123.221888	2110	2141.808128	2155	Pass



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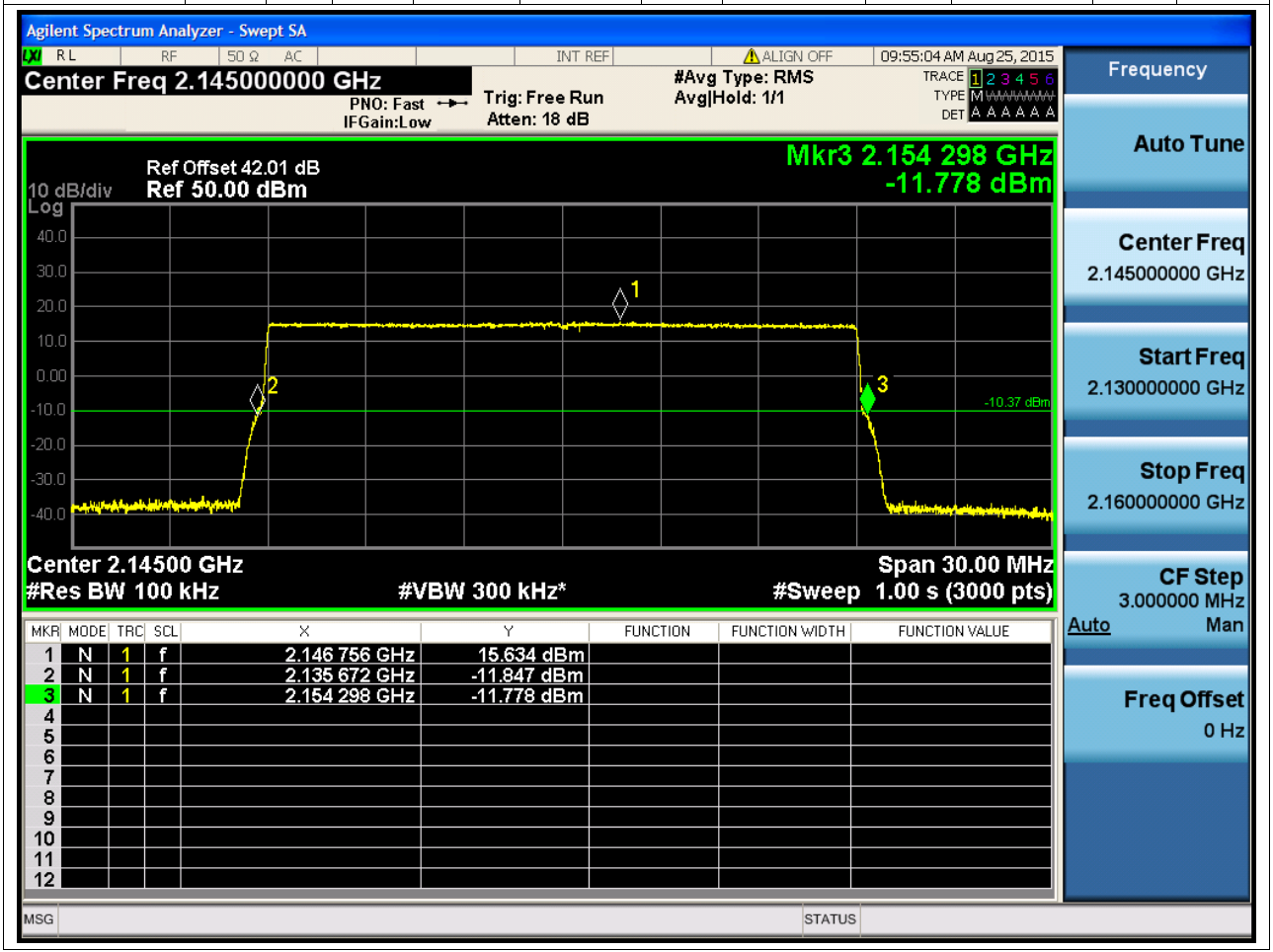
2.3.12 1L_ 20M _T

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
2145	30	26	0.1	RMS	18.626176	20	2135.671936	2110	2154.298112	2155	Pass



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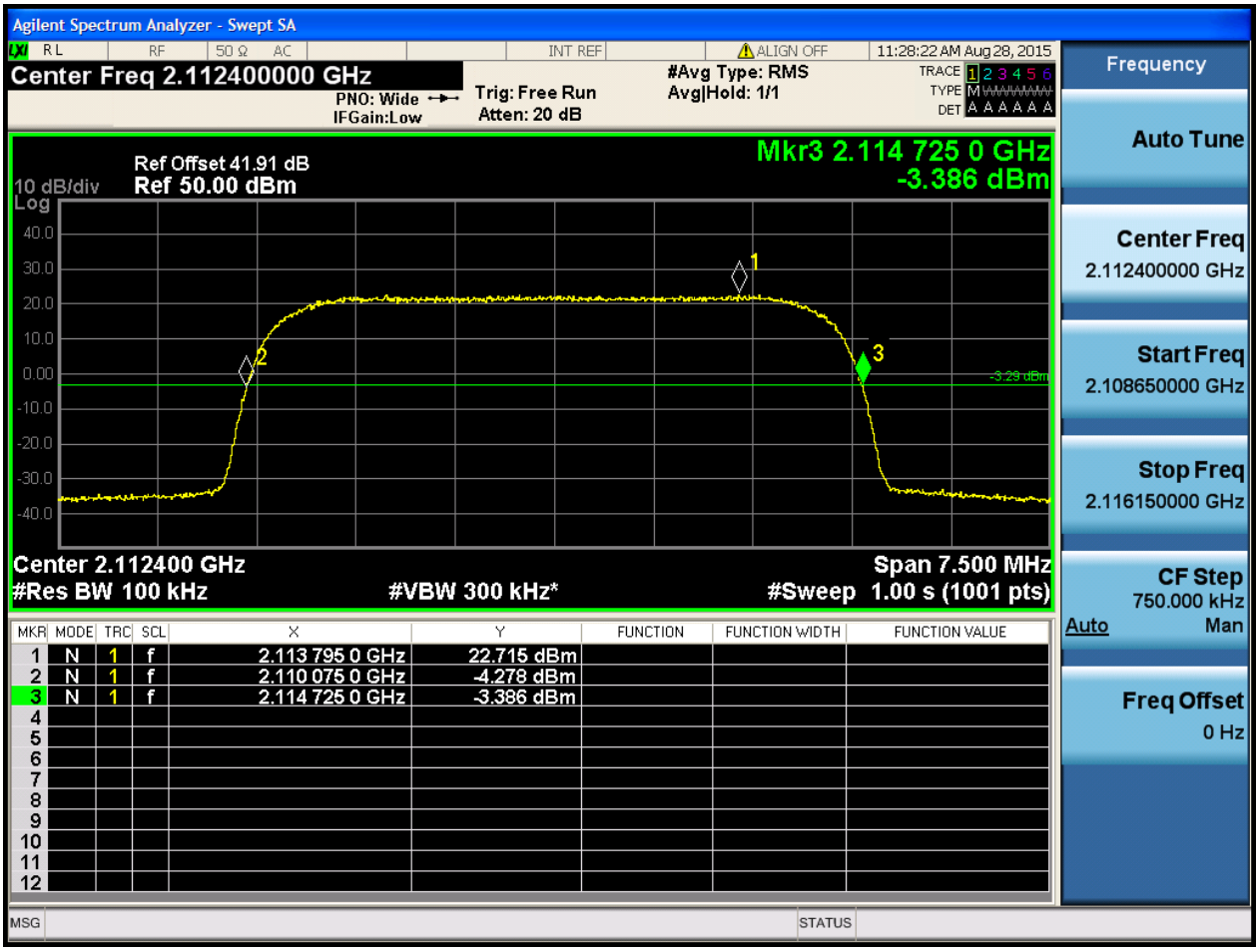
2.3.13 1U_B

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
2112.4	7.5	26	0.1	RMS	4.649984	5	2110.075008	2110	2114.724992	2155	Pass



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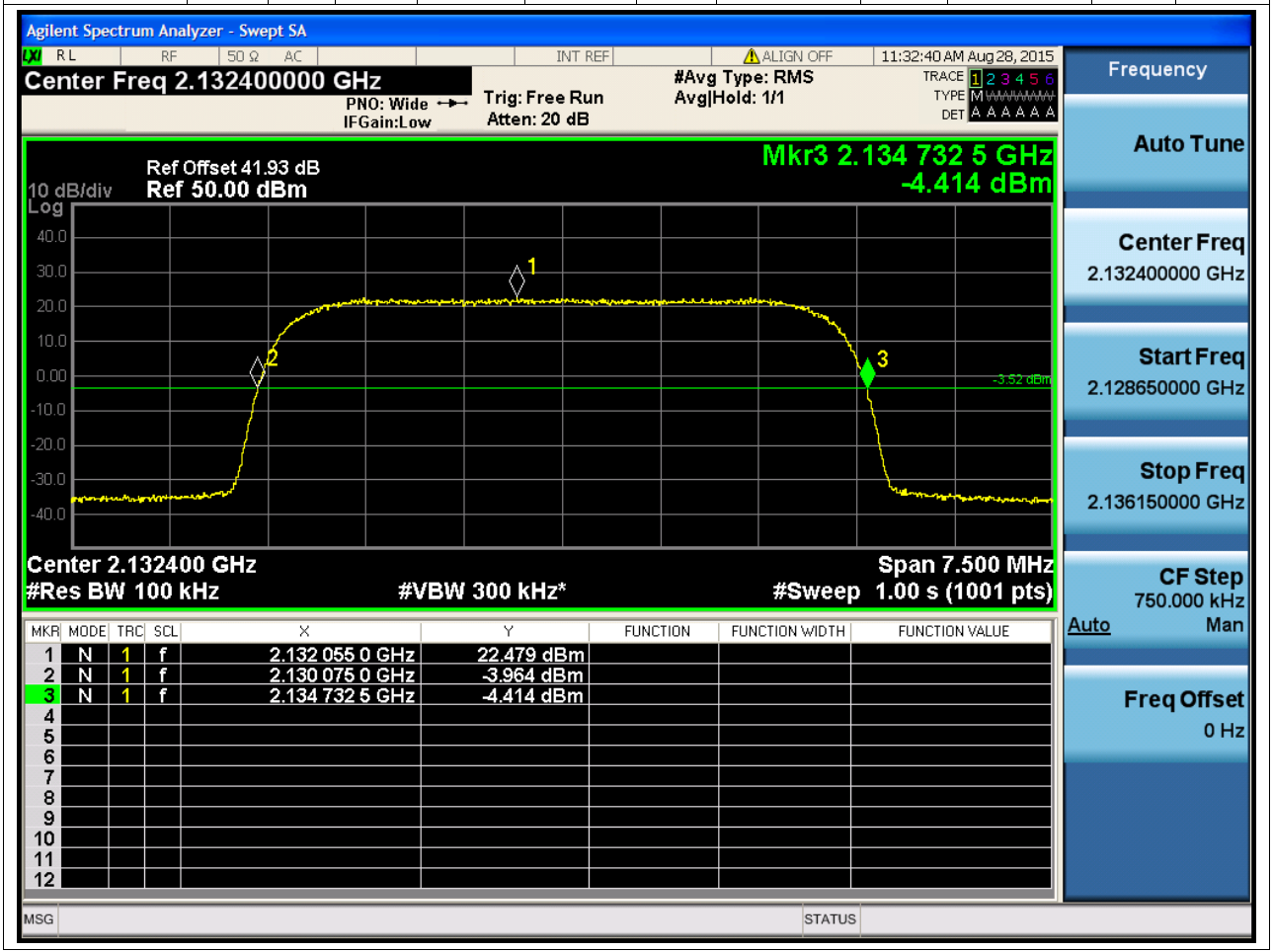
2.3.14 1U_M

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
2132.4	7.5	26	0.1	RMS	4.657536	5	2130.075008	2110	2134.732544	2155	Pass



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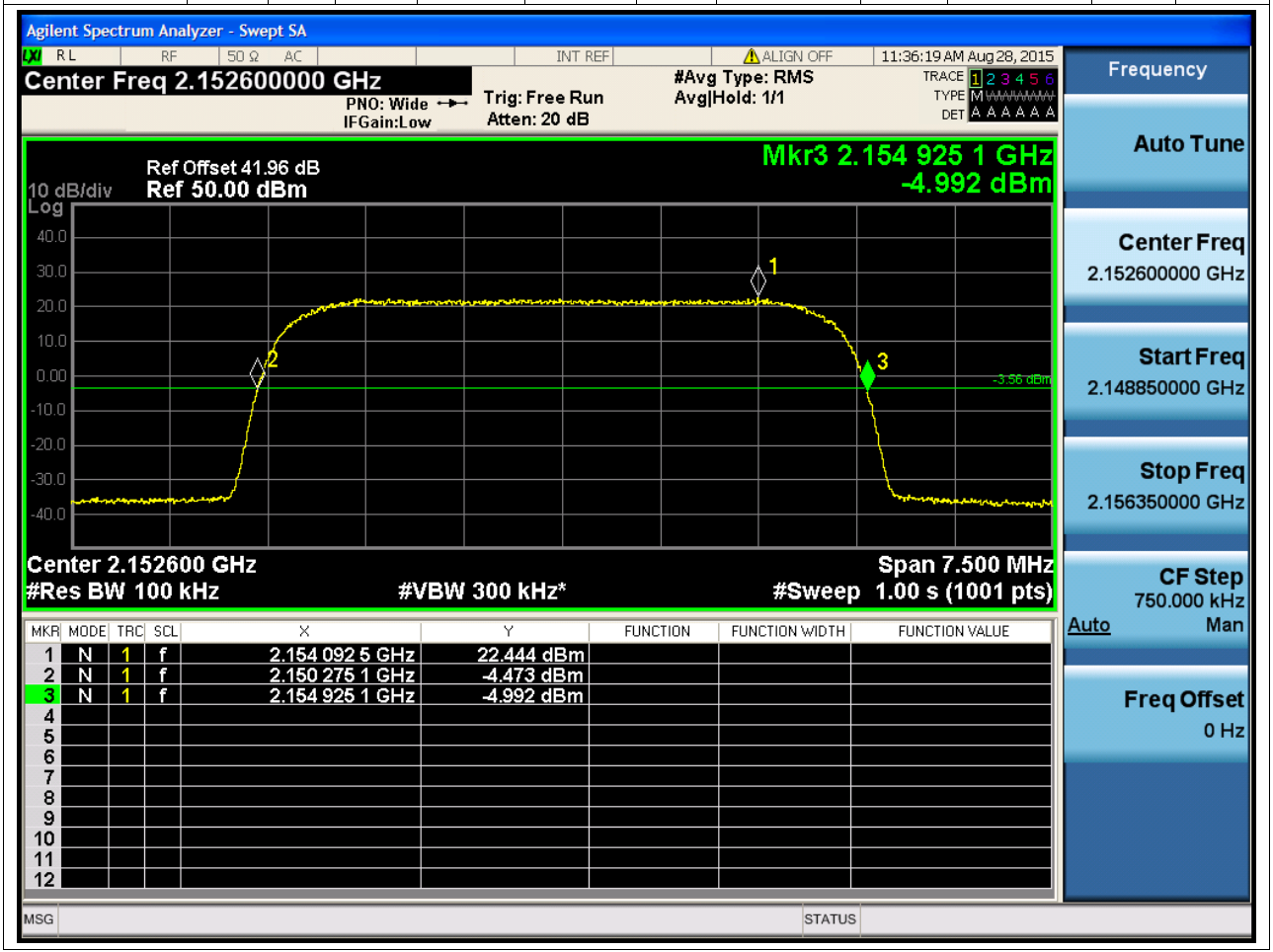
2.3.15 1U _T

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
2152.6	7.5	26	0.1	RMS	4.649984	5	2150.275072	2110	2154.925056	2155	Pass



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Appendix C2: Band Edges Compliance

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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

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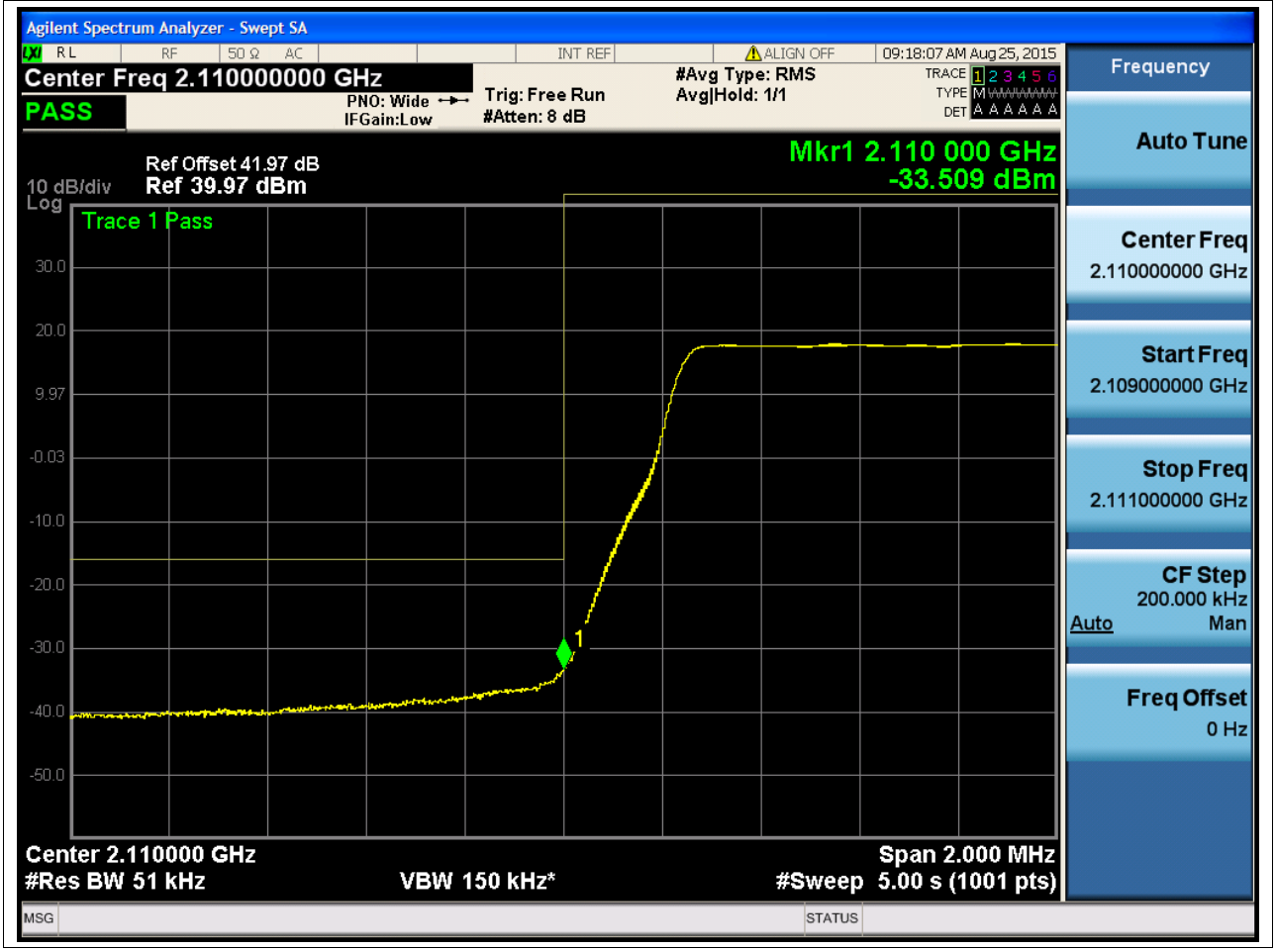
2 Test Plot

2.1 1L_ 5M_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2110	2	0.051	RMS	Pass	1001



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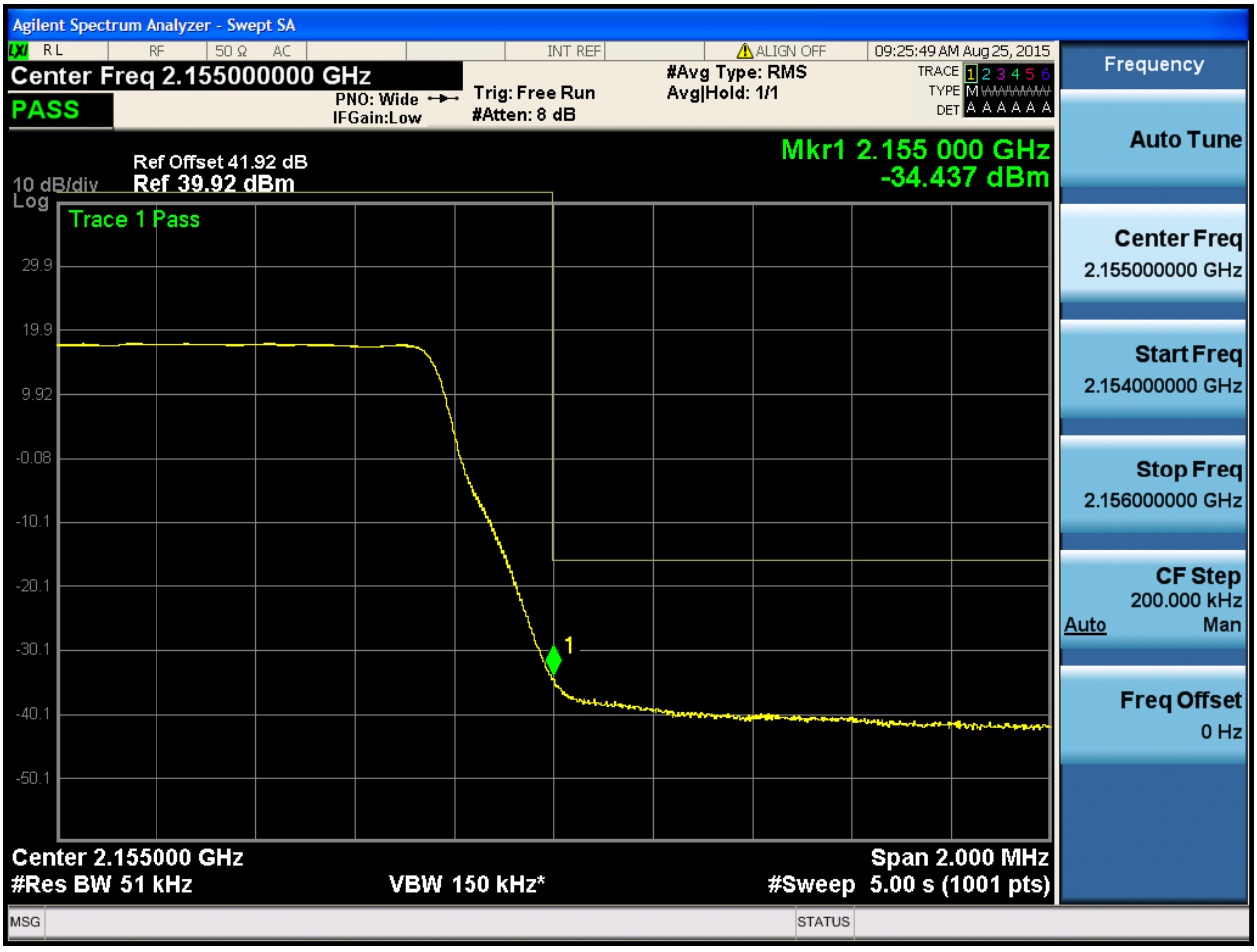
2.2 1L_ 5M_T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2155	2	0.051	RMS	Pass	1001



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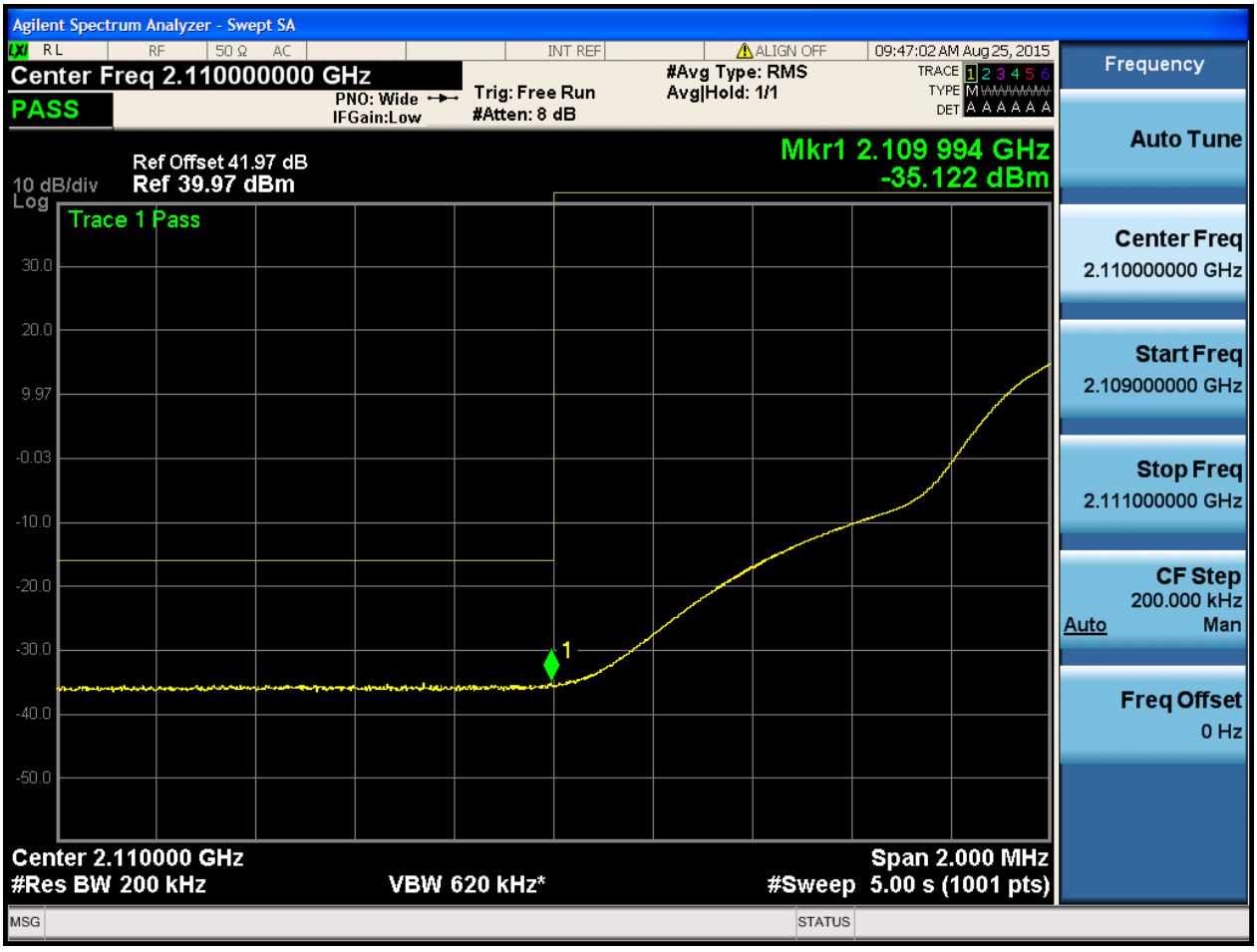
2.3 1L_ 20M_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2110	2	0.2	RMS	Pass	1001



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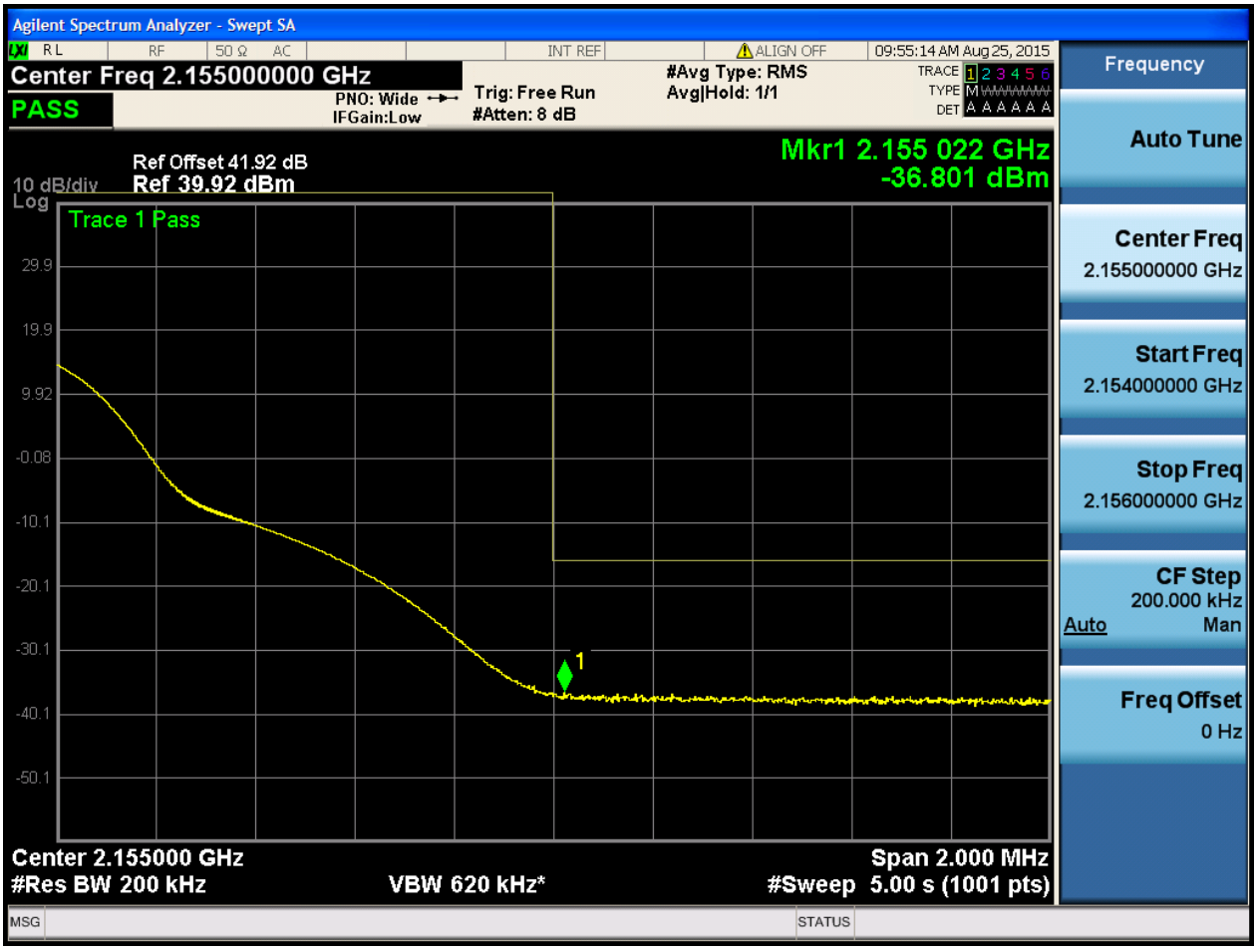
2.4 1L_ 20M _T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2155	2	0.2	RMS	Pass	1001



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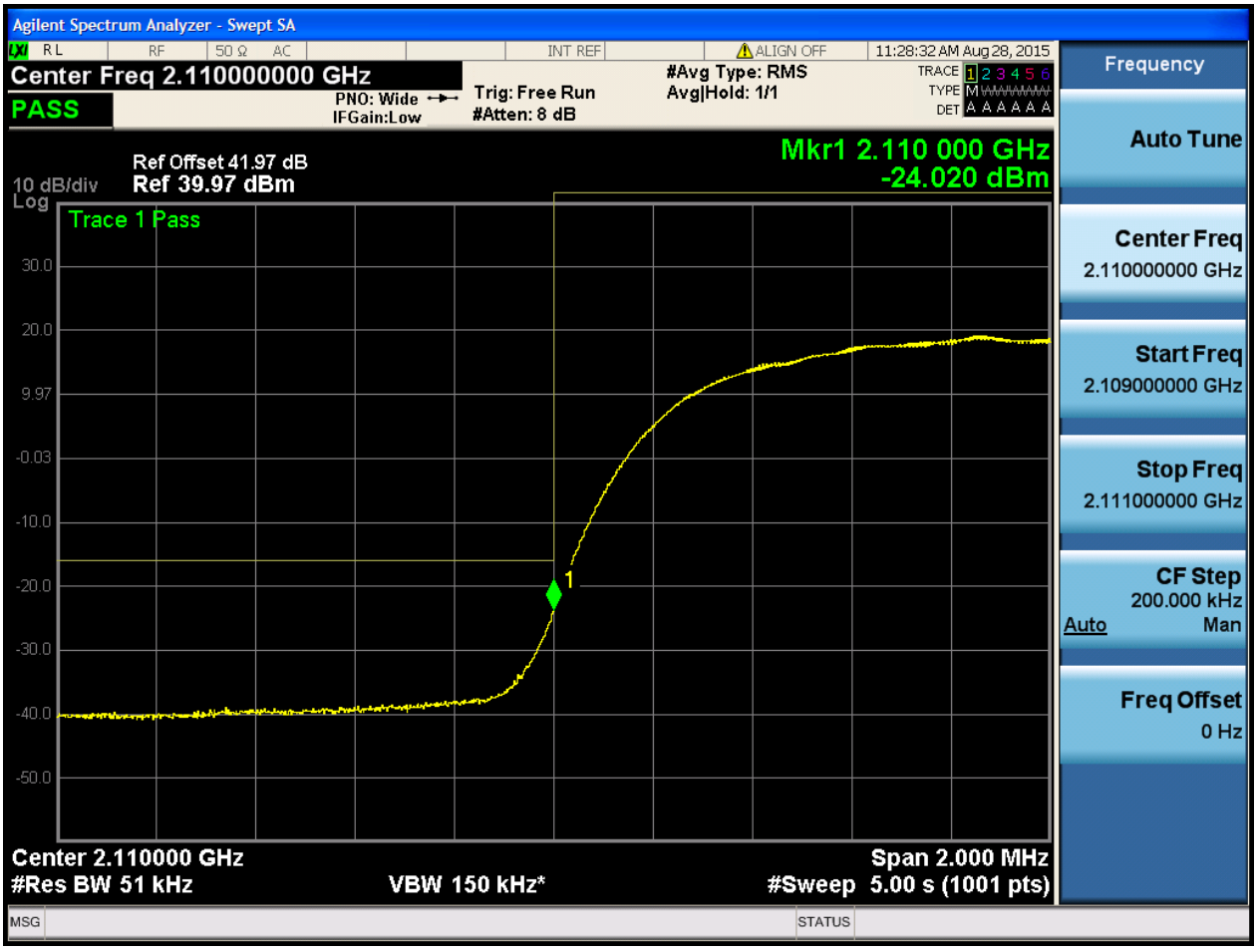
2.5 1U_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2110	2	0.051	RMS	Pass	1001



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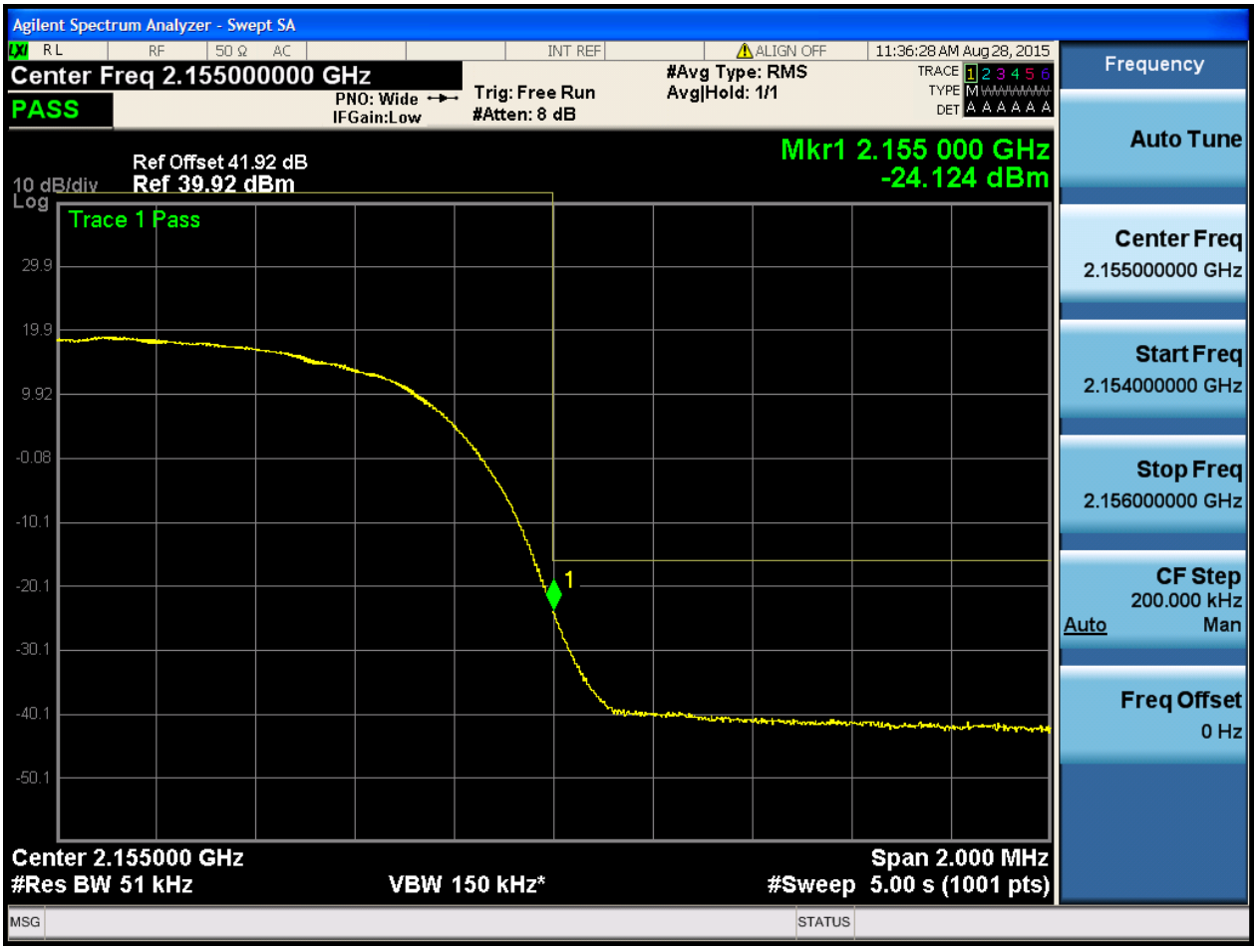
2.6 1U_T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2155	2	0.051	RMS	Pass	1001



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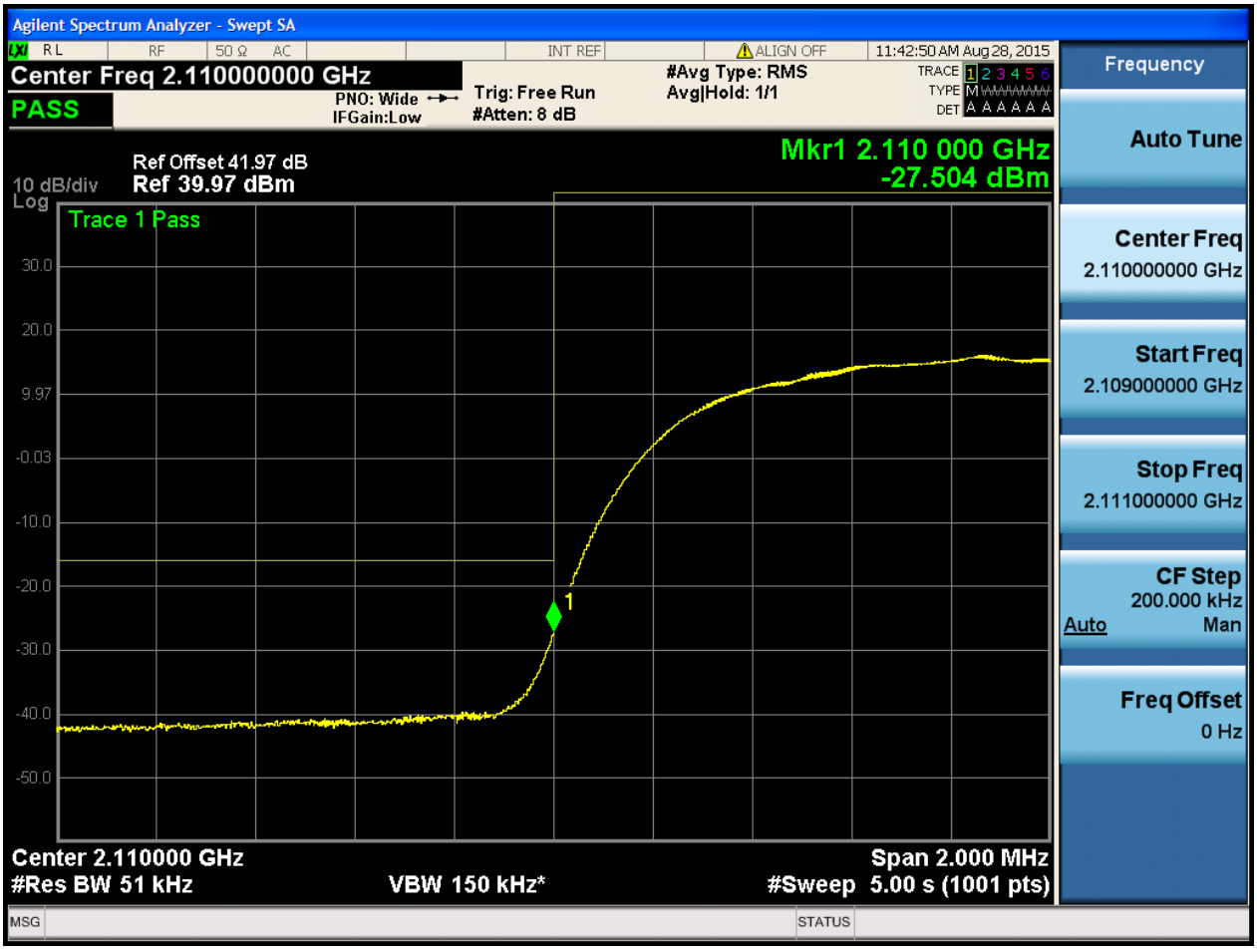
2.7 1U1L_B

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2110	2	0.051	RMS	Pass	1001



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2.8 1U1L _T

Center Frequency[MHz]	Span [MHz]	RBW [MHz]	Detector	Verdict	Sweep Point
2155	2	0.051	RMS	Pass	1001

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Appendix D2: Spurious Emission at Antenna Terminals

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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

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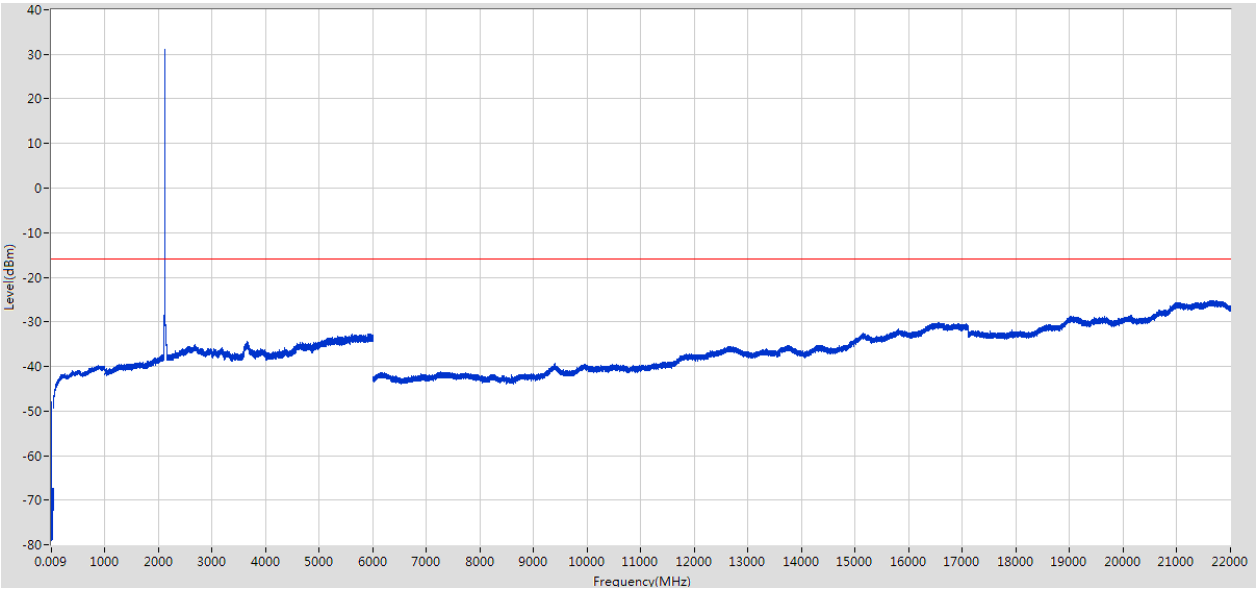
2 Test Plot

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	9.282 k	-47.89	-16	Pass	1001
0.15	30	0.01	RMS	164.001 k	-53.04	-16	Pass	14925
30	1000	1	RMS	879.775211 M	-39.83	-16	Pass	4850
1000	3000	1	RMS	2113.711371 M	31.12	-16	---	10000
3000	6000	1	RMS	5936.9958 M	-32.66	-16	Pass	15000
6000	22000	1	RMS	21644.191105 M	-25.16	-16	Pass	80000



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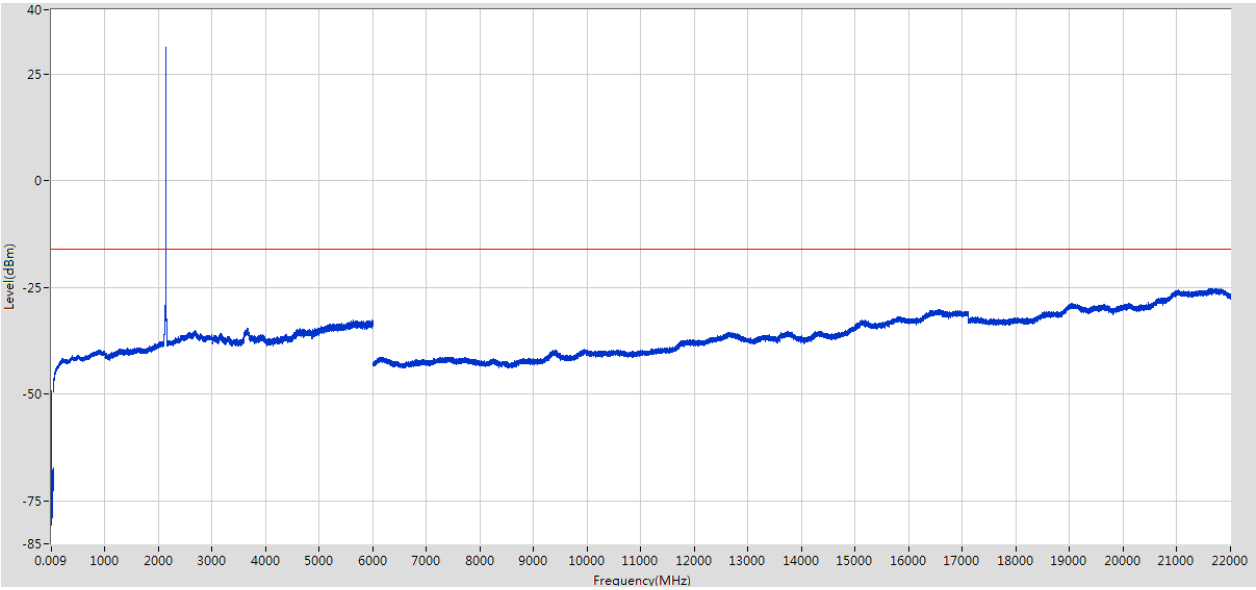
2.2 1L_ 5M_M

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	-49.29	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-51.9	-16	Pass	14925
30	1000	1	RMS	865.1722 M	-39.66	-16	Pass	4850
1000	3000	1	RMS	2133.713371 M	31.14	-16	---	10000
3000	6000	1	RMS	5988.399227 M	-32.67	-16	Pass	15000
6000	22000	1	RMS	21707.392685 M	-25.18	-16	Pass	80000



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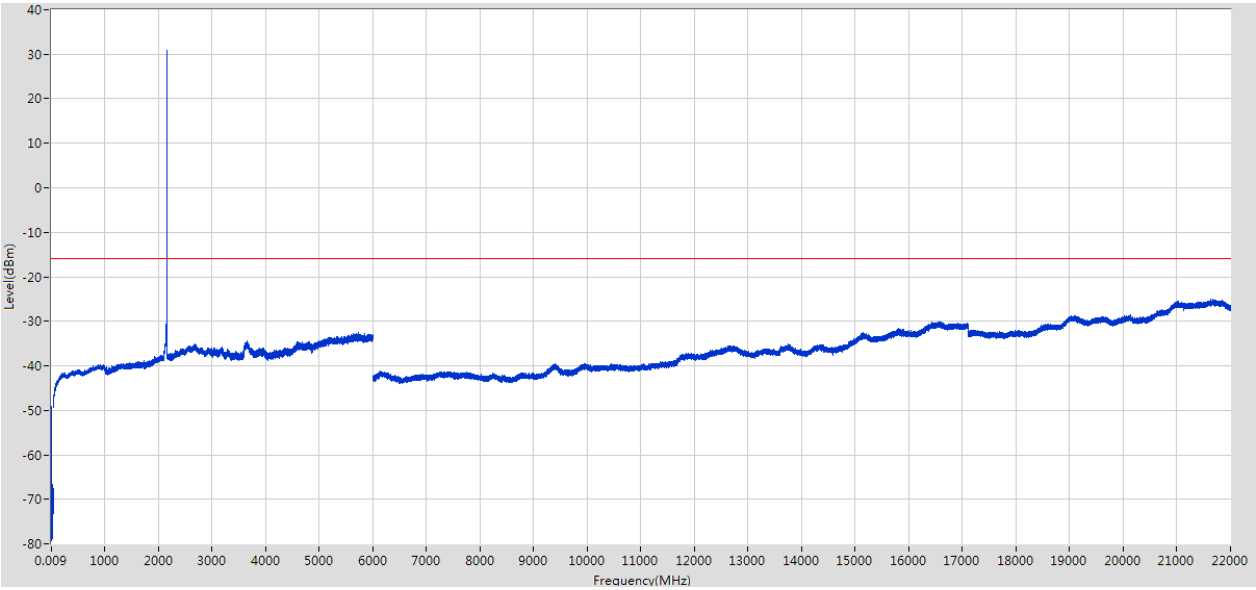
2.3 1L_ 5M_T

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	9.423 k	-49.17	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-53.5	-16	Pass	14925
30	1000	1	RMS	870.173232 M	-39.74	-16	Pass	4850
1000	3000	1	RMS	2153.115312 M	30.95	-16	---	10000
3000	6000	1	RMS	5718.581239 M	-32.56	-16	Pass	15000
6000	22000	1	RMS	21626.190655 M	-25.1	-16	Pass	80000



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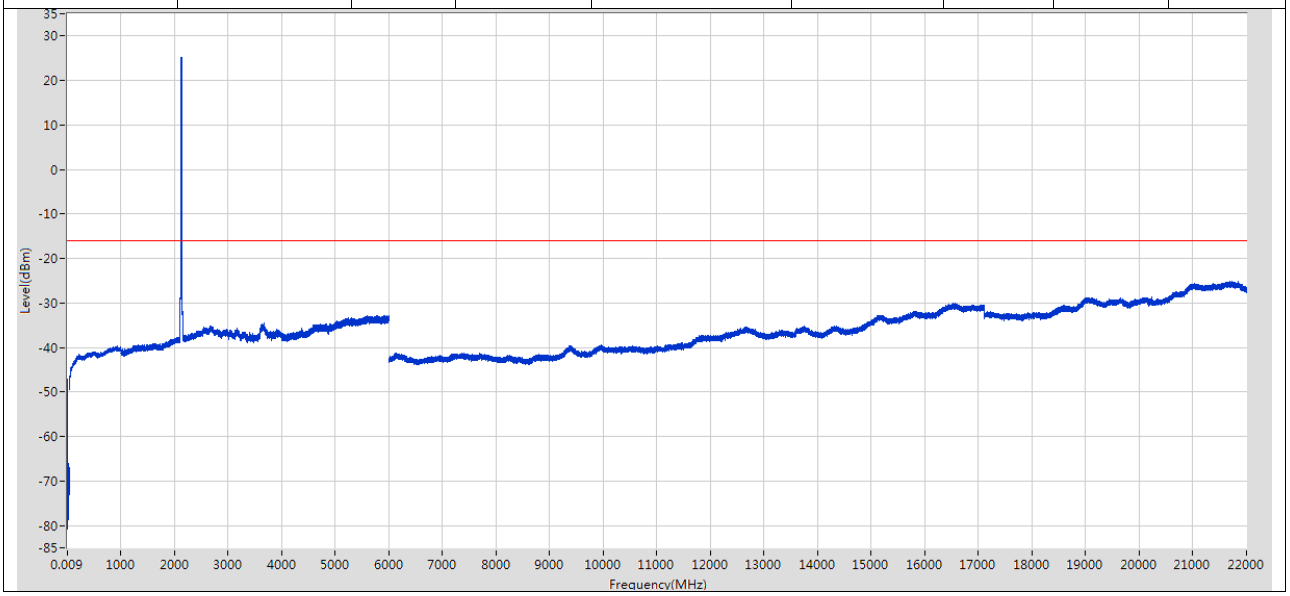
2.4 1L_ 20M_B

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	-47.17	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-53.88	-16	Pass	14925
30	1000	1	RMS	936.786966 M	-39.66	-16	Pass	4850
1000	3000	1	RMS	2121.512151 M	25.26	-16	---	10000
3000	6000	1	RMS	5910.194013 M	-32.88	-16	Pass	15000
6000	22000	1	RMS	21721.793045 M	-25.01	-16	Pass	80000



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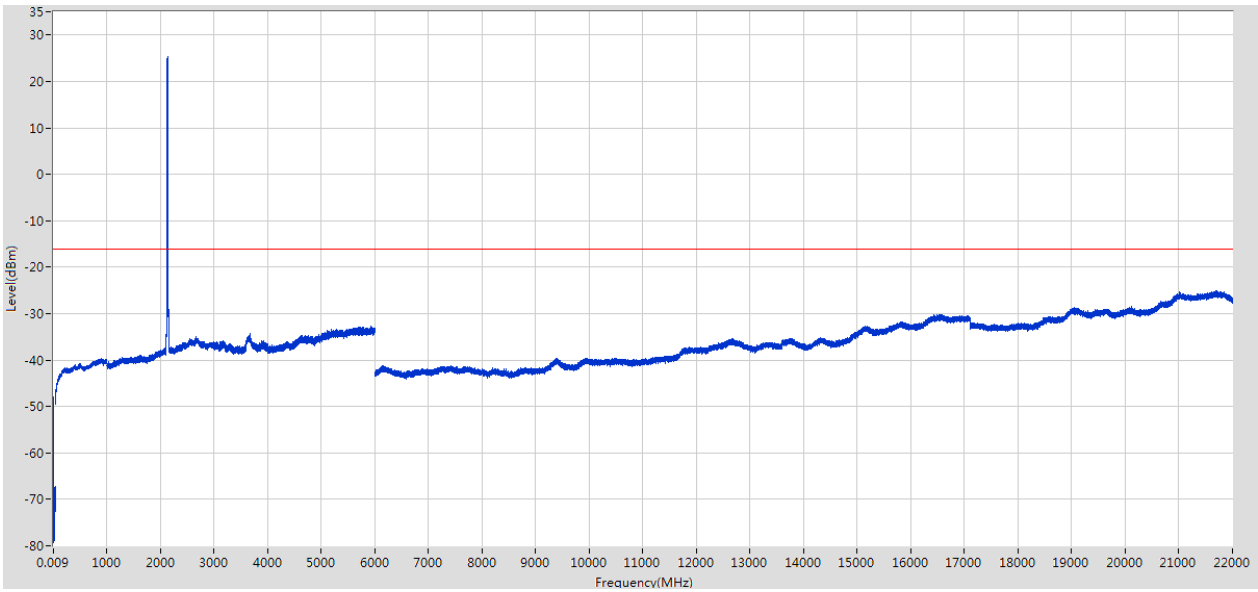
2.5 1L_ 20M_M

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	-48.04	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-52.47	-16	Pass	14925
30	1000	1	RMS	902.779955 M	-39.74	-16	Pass	4850
1000	3000	1	RMS	2131.713171 M	25.28	-16	---	10000
3000	6000	1	RMS	5920.394693 M	-32.7	-16	Pass	15000
6000	22000	1	RMS	21696.992425 M	-25.11	-16	Pass	80000



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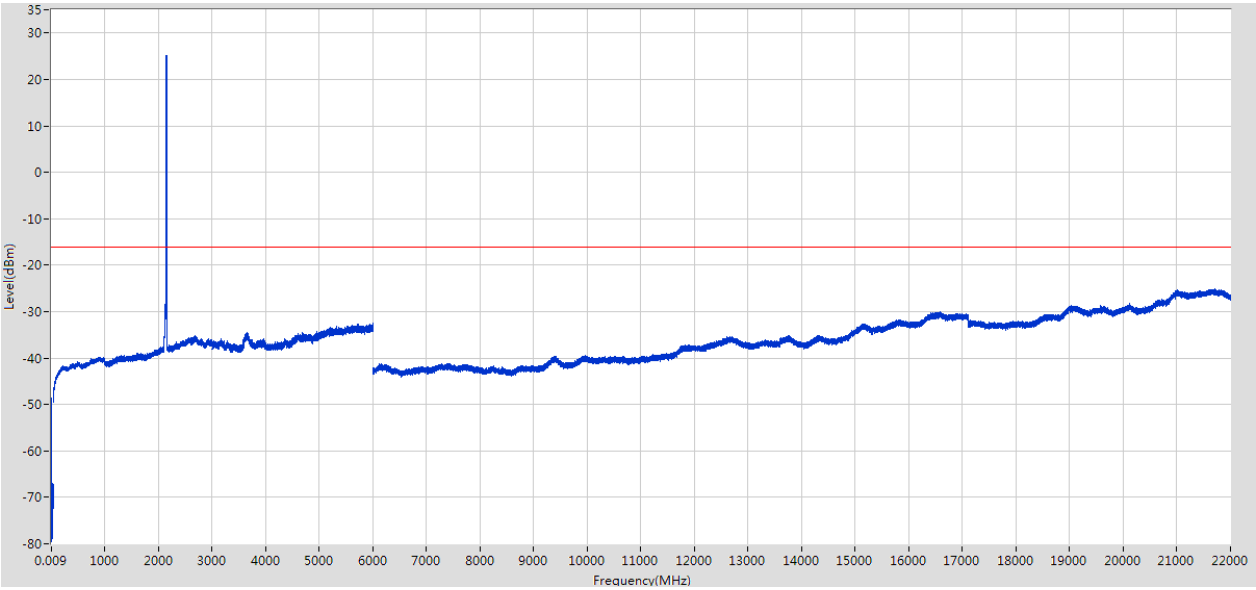
2.6 1L_ 20M_T

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	9.141 k	-48.62	-16	Pass	1001
0.15	30	0.01	RMS	156 k	-53.87	-16	Pass	14925
30	1000	1	RMS	868.572902 M	-39.88	-16	Pass	4850
1000	3000	1	RMS	2146.314631 M	25.18	-16	---	10000
3000	6000	1	RMS	5997.59984 M	-32.49	-16	Pass	15000
6000	22000	1	RMS	21708.192705 M	-25.17	-16	Pass	80000



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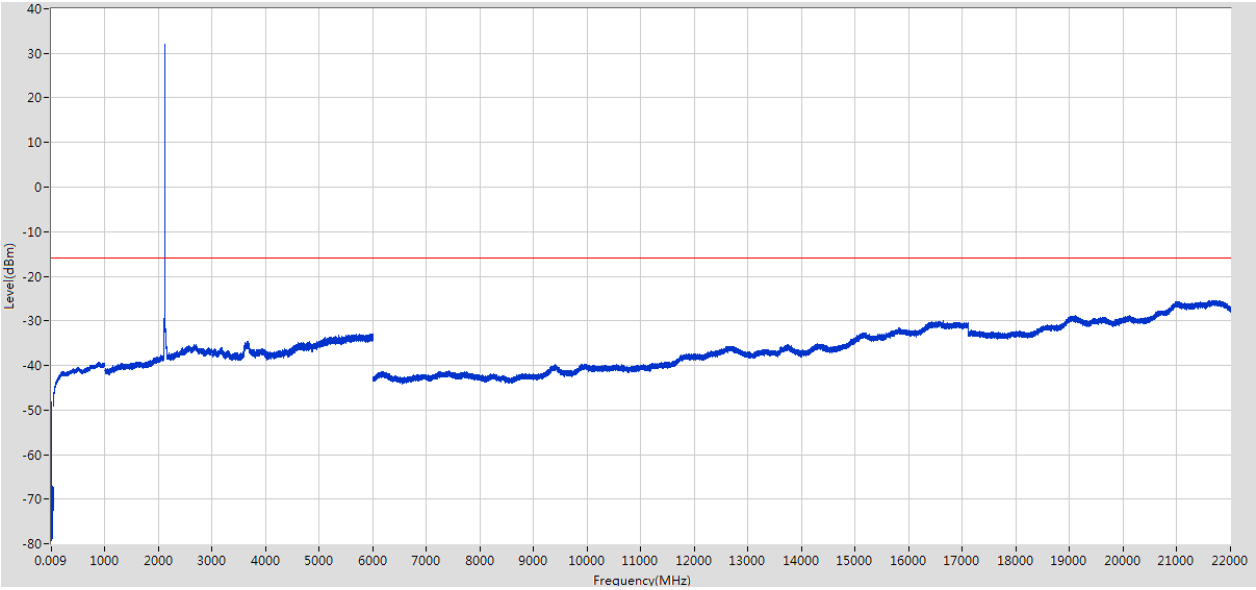
2.7 1U_B

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	9.423 k	-48.23	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-52.6	-16	Pass	14925
30	1000	1	RMS	886.176531 M	-39.38	-16	Pass	4850
1000	3000	1	RMS	2112.911291 M	32.01	-16	---	10000
3000	6000	1	RMS	5695.379692 M	-32.96	-16	Pass	15000
6000	22000	1	RMS	21713.59284 M	-25.43	-16	Pass	80000



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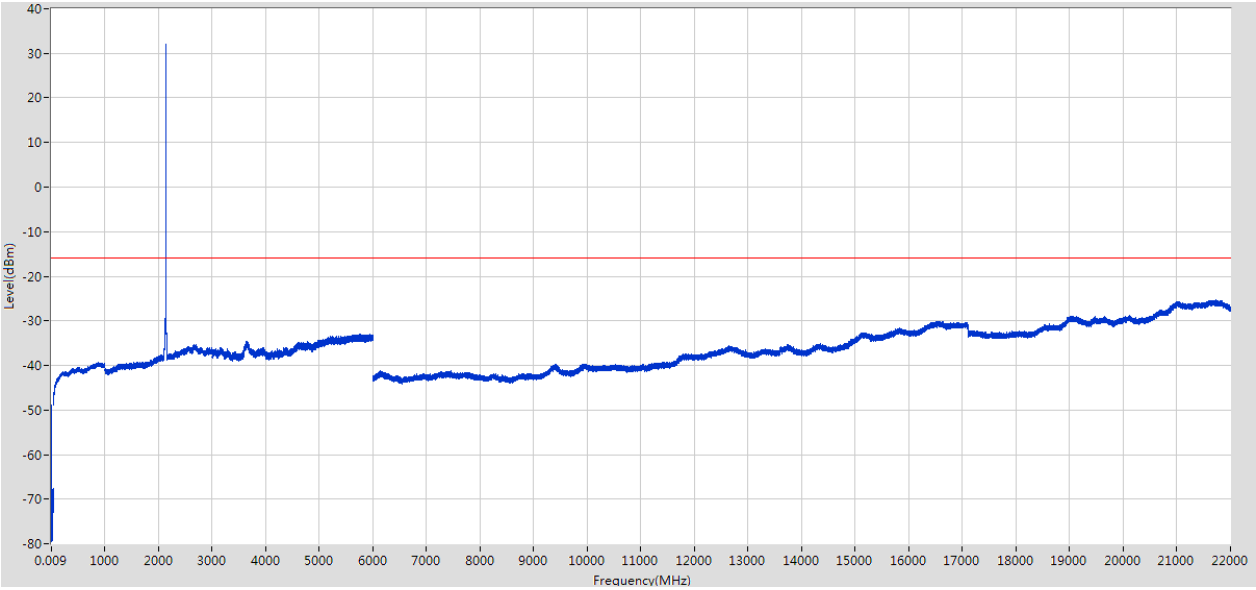
2.8 1U_M

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	9.282 k	-48.82	-16	Pass	1001
0.15	30	0.01	RMS	152 k	-53.25	-16	Pass	14925
30	1000	1	RMS	879.175088 M	-39.32	-16	Pass	4850
1000	3000	1	RMS	2132.513251 M	32.07	-16	---	10000
3000	6000	1	RMS	5937.195813 M	-32.93	-16	Pass	15000
6000	22000	1	RMS	21731.19328 M	-25.37	-16	Pass	80000



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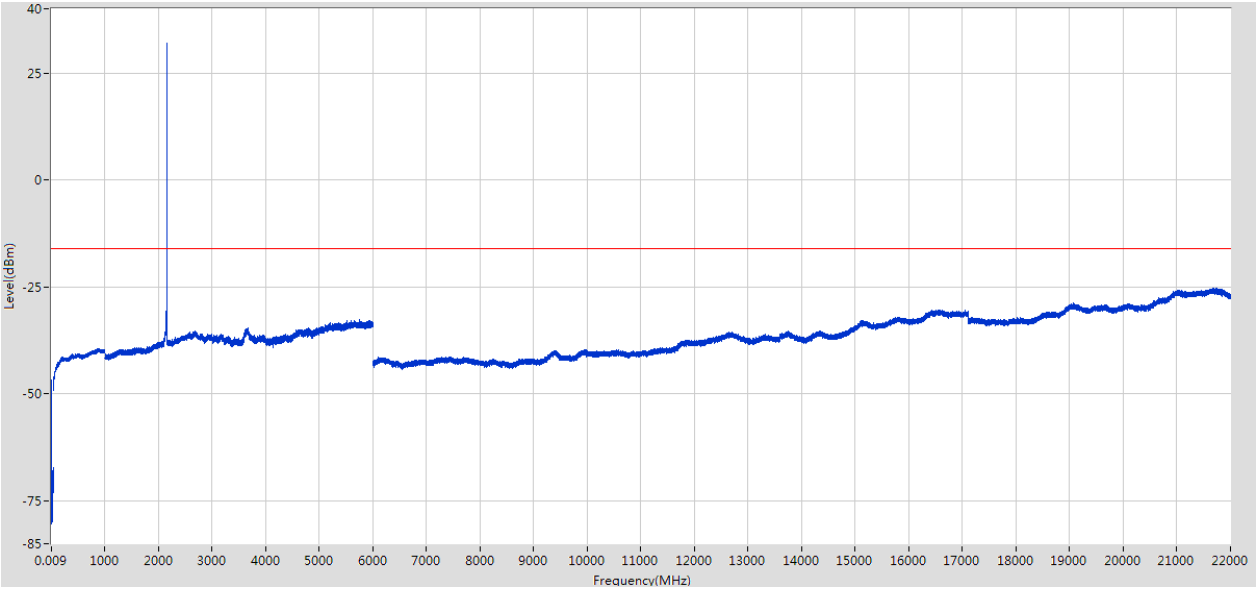
2.9 1U_T

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 k	-46.8	-16	Pass	1001
0.15	30	0.01	RMS	164.001 k	-53.74	-16	Pass	14925
30	1000	1	RMS	858.170757 M	-39.32	-16	Pass	4850
1000	3000	1	RMS	2151.915192 M	31.93	-16	---	10000
3000	6000	1	RMS	5755.383692 M	-32.67	-16	Pass	15000
6000	22000	1	RMS	21683.19208 M	-25.3	-16	Pass	80000



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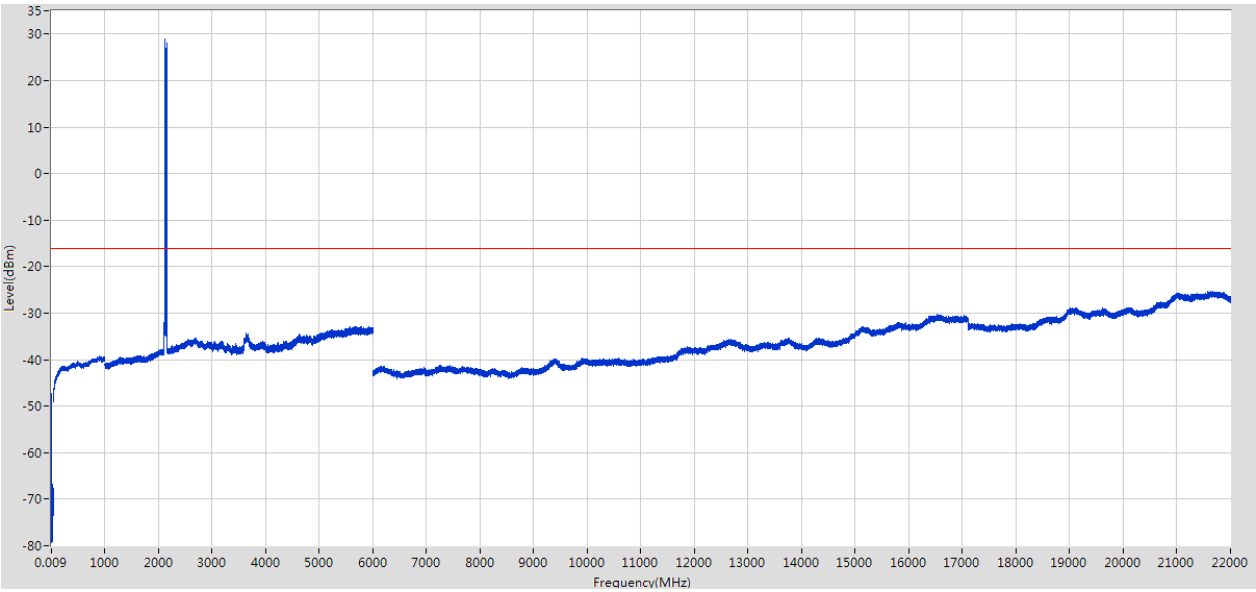
2.10 1U1L_B

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	9.564 k	-47.32	-16	Pass	1001
0.15	30	0.01	RMS	154 k	-52.34	-16	Pass	14925
30	1000	1	RMS	887.776861 M	-39.27	-16	Pass	4850
1000	3000	1	RMS	2113.311331 M	28.98	-16	---	10000
3000	6000	1	RMS	5647.176478 M	-32.84	-16	Pass	15000
6000	22000	1	RMS	21631.59079 M	-25.36	-16	Pass	80000



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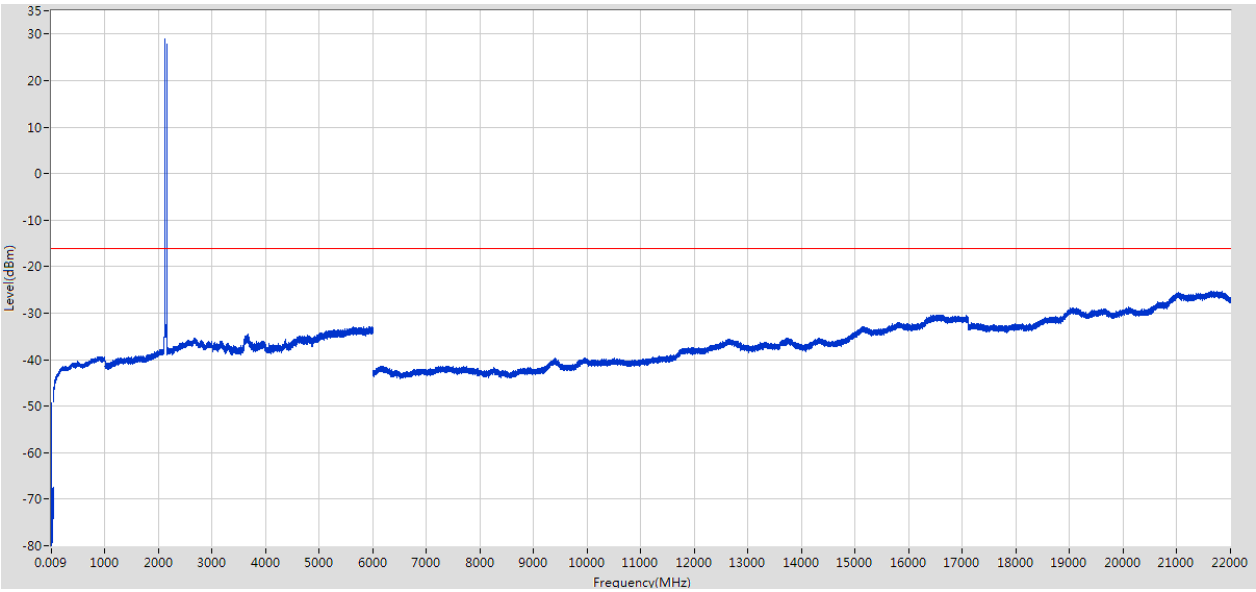
2.11 1U1L_T

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	9.705 k	-49.23	-16	Pass	1001
0.15	30	0.01	RMS	168.001 k	-53.5	-16	Pass	14925
30	1000	1	RMS	894.978346 M	-39.38	-16	Pass	4850
1000	3000	1	RMS	2118.311831 M	28.97	-16	---	10000
3000	6000	1	RMS	5948.196546 M	-32.88	-16	Pass	15000
6000	22000	1	RMS	21639.19098 M	-25.31	-16	Pass	80000



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Appendix E2: Radiated (Spurious) Emissions

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1 Result Table

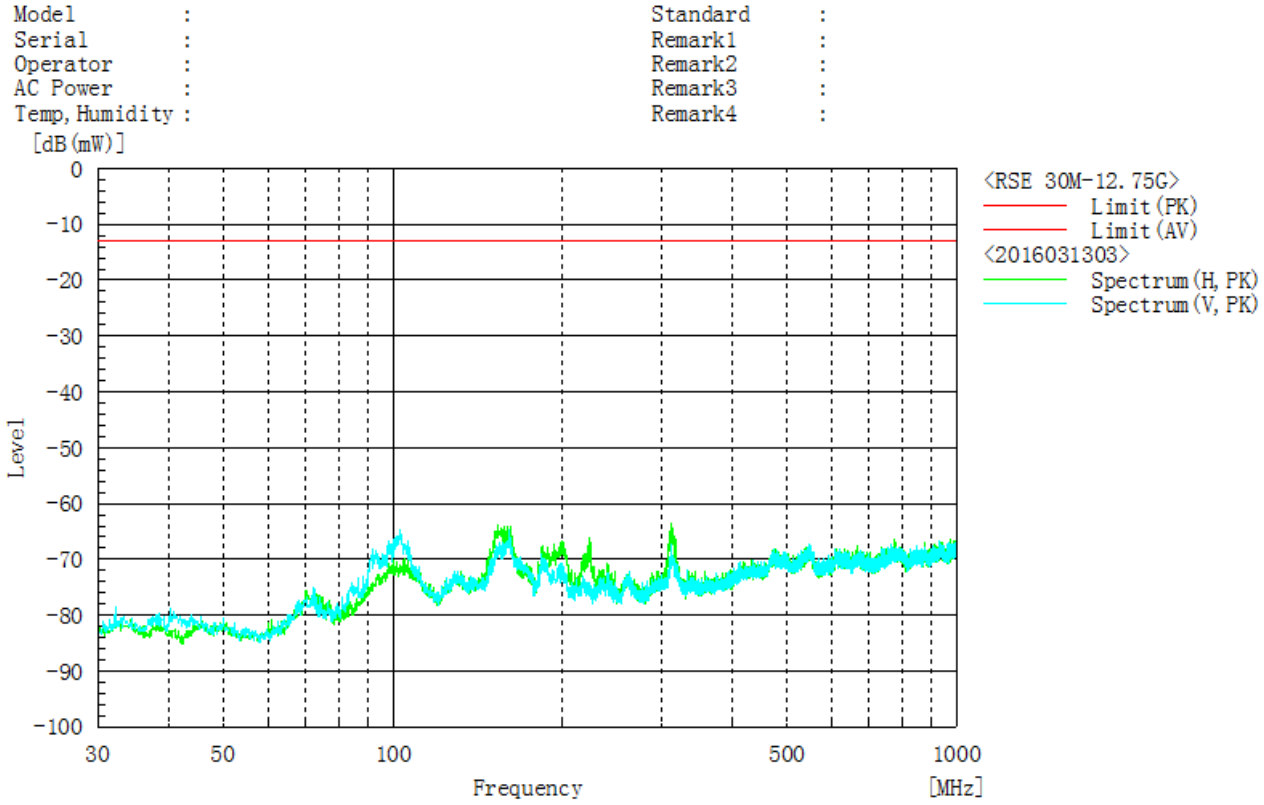
EUT Conf.	Measured Curve Conformed to the Emission Limit?	Verdict
1U1L_B (Worst case)	Yes	Pass

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



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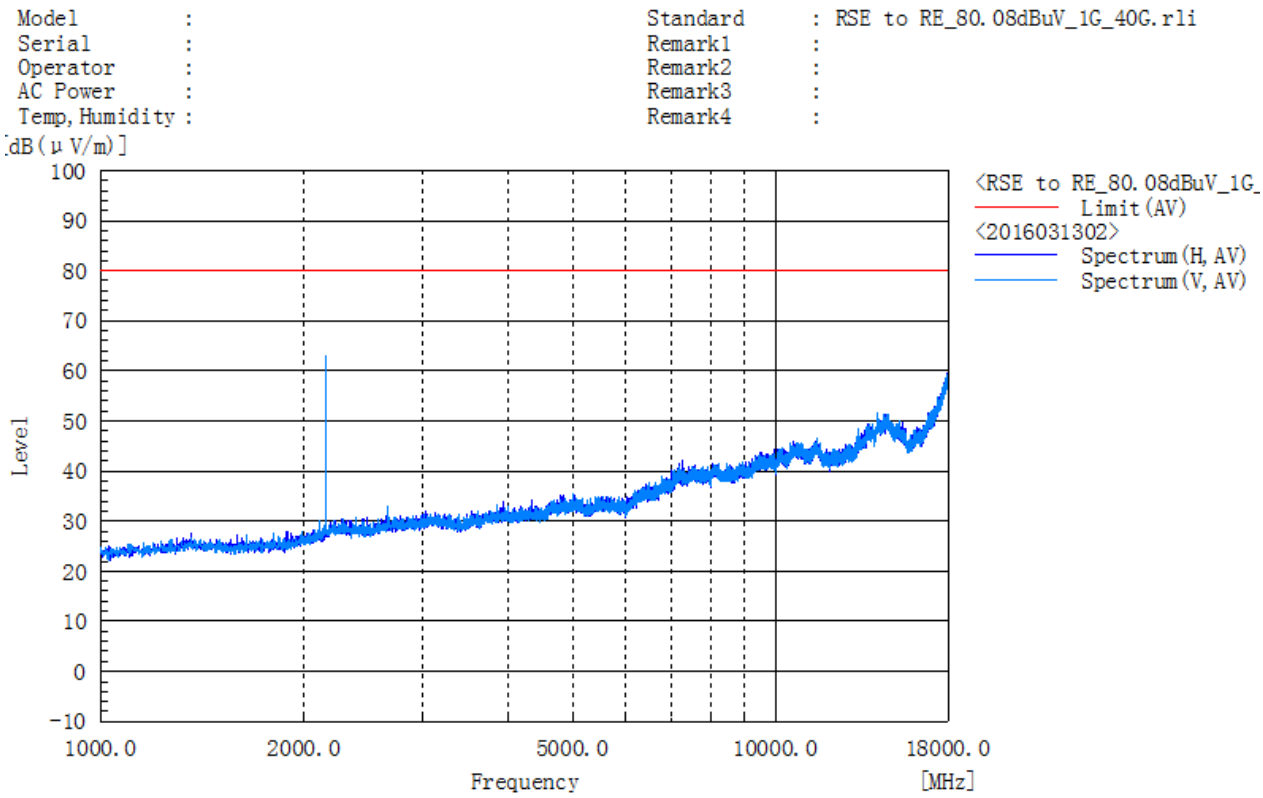
2.2 1GHz-18GHz

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



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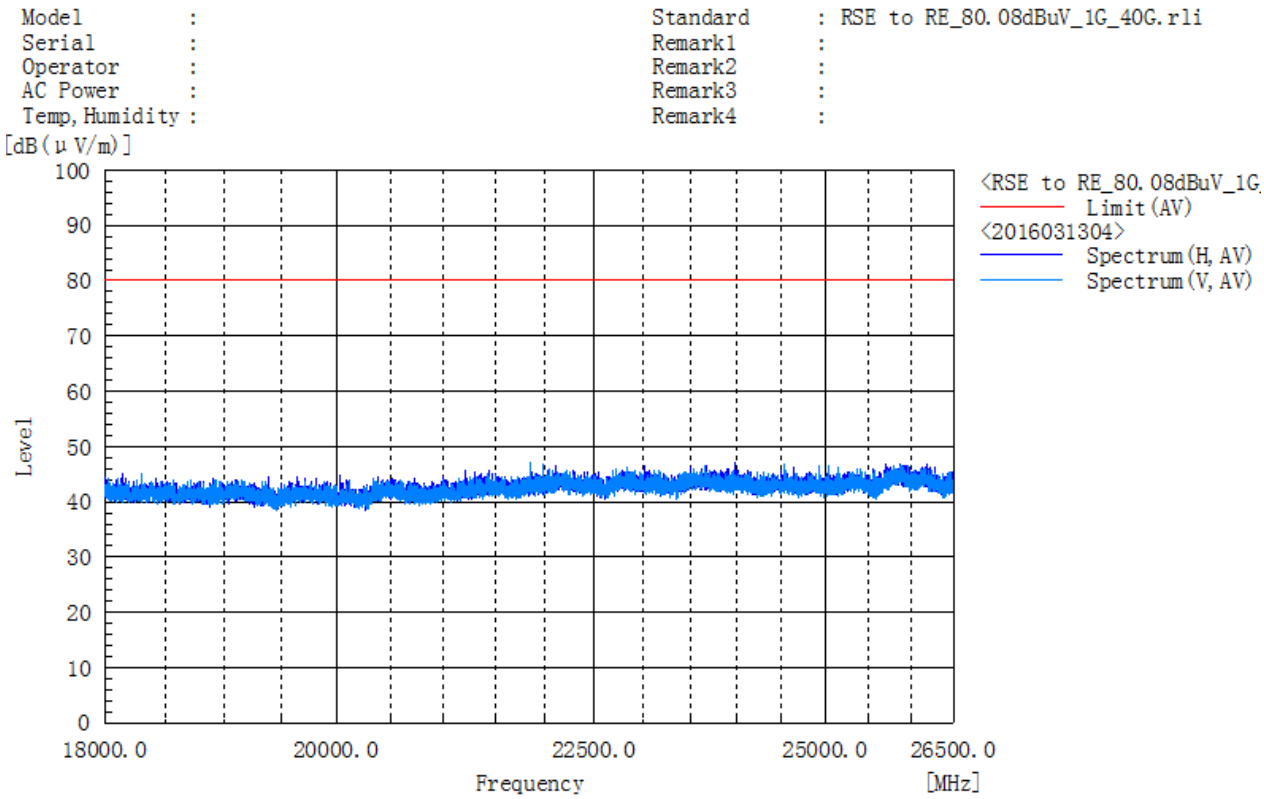
2.3 18GHz-26.5GHz



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Appendix F2: Frequency Stability

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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	-1.85	-0.00087	0.00017	Pass
		-20 °C	-1.56	-0.00073	0.00030	Pass
		-10 °C	-1.93	-0.00091	0.00013	Pass
		0 °C	-1.81	-0.00085	0.00019	Pass
		+10 °C	-1.89	-0.00089	0.00015	Pass
		+20 °C	-2.21	-0.00104	---	Pass
		+30 °C	-1.68	-0.00079	0.00025	Pass
		+40 °C	-1.98	-0.00093	0.00011	Pass
		+50 °C	-1.77	-0.00083	0.00021	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 %	-1.96	-0.00092	0.00012	Pass
		100 %	-2.21	-0.00104	---	Pass
		115 %	-1.95	-0.00091	0.00012	Pass

1.2 Frequency Range

(Not applicable)

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2 Test Plot

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

(Not applicable)

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Appendix G2: Receiver Spurious Emissions

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1 Result Table

(Not applicable)

2 Test Plot

(Not applicable)

END

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