Appendix A: Transmitter Output Power

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1 Result Table

1.1 Channel Power (Total)

The output power of the EUT was measured at the antenna terminal. Since the EUT transmits on two antennas simultaneously in the same frequency with MIMO mode, using the Measure-and-sum approach, the output power at both antennas were tested, and the total output power were then summed.

EUT Conf.	Channel Power [dBm]	total[dBW]	Verdict
TX_1L_5M_B_TM1_ANTA& TX_1L_5M_B_TM1_ANTB	45.86&45.72	18.80	Pass
TX_1L_5M_M_TM1_ANTA& TX_1L_5M_M_TM1_ANTB	45.37&45.39	18.39	Pass
TX_1L_5M_T_TM1_ANTA& TX_1L_5M_T_TM1_ANTB	45.70&45.41	18.57	Pass
TX_1L_20M_B_TM1_ANTA& TX_1L_20M_B_TM1_ANTB	46.48&46.23	19.37	Pass
TX_1L_20M_M_TM1_ANTA& TX_1L_20M_M_TM1_ANTB	45.81&46.05	18.94	Pass
TX_1L_20M_T_TM1_ANTA& TX_1L_20M_T_TM1_ANTB	45.71&45.92	18.83	Pass
TX_2L_5M_B_TM1_ANTA& TX_2L_5M_B_TM1_ANTB	42.97\43.11& 43.17\43.33	19.17	Pass
TX_2L_5M_M_TM1_ANTA& TX_2L_5M_M_TM1_ANTB	42.62\43.46& 43.30\42.91	19.11	Pass
TX_2L_5M_T_TM1_ANTA& TX_2L_5M_T_TM1_ANTB	42.68\42.60& 43.48\43.11	19	Pass
TX_2L_20M_B_TM1_ANTA& TX_2L_20M_B_TM1_ANTB	42.99\42.74& 43.43\43.19	19.12	Pass
TX_2L_20M_M_TM1_ANTA& TX_2L_20M_M_TM1_ANTB	43.18\43.05& 43.35\42.94	19.15	Pass
TX_2L_20M_T_TM1_ANTA& TX_2L_20M_T_TM1_ANTB	42.89\42.89& 43.34\43.23	19.11	Pass

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1.2 Power Spectral Density

The output power Spectral Density of the EUT was measured at the antenna terminal. Since the EUT transmits on two antennas simultaneously in the same frequency with MIMO mode, using the Measure-and-sum approach, the output power Spectral Density at both antennas were tested, and the total output power Spectral Density were then summed.

EUT Conf.	Power Spectral Density [dBm/100kHz]	total[W/100kHz]	Verdict
TX_1L_5M_B_TM1_ANTA& TX_1L_5M_B_TM1_ANTB	31.44&31.39	2.77	Pass
TX_1L_5M_M_TM1_ANTA& TX_1L_5M_M_TM1_ANTB	31.46&31.71	2.88	Pass
TX_1L_5M_T_TM1_ANTA& TX_1L_5M_T_TM1_ANTB	31.13&31.24	2.63	Pass
TX_1L_20M_B_TM1_ANTA& TX_1L_20M_B_TM1_ANTB	25.18&25.47	0.68	Pass
TX_1L_20M_M_TM1_ANTA& TX_1L_20M_M_TM1_ANTB	25.44&25.79	0.73	Pass
TX_1L_20M_T_TM1_ANTA& TX_1L_20M_T_TM1_ANTB	25.06&25.39	0.67	Pass

1.3 Peak-to-Average Ratio

EUT Conf.	Peak-to-Average Ratio [dB]	Verdict
TX_1L_5M_B_TM1_ANTA	6.82	Pass
TX_1L_5M_B_TM1_ANTB	6.57	Pass
TX_1L_5M_M_TM1_ANTA	6.75	Pass
TX_1L_5M_M_TM1_ANTB	6.53	Pass
TX_1L_5M_T_TM1_ANTA	6.75	Pass
TX_1L_5M_T_TM1_ANTB	6.75	Pass
TX_1L_20M_B_TM1_ANTA	7.14	Pass
TX_1L_20M_B_TM1_ANTB	6.74	Pass
TX_1L_20M_M_TM1_ANTA	6.56	Pass
TX_1L_20M_M_TM1_ANTB	6.35	Pass
TX_1L_20M_T_TM1_ANTA	6.85	Pass
TX_1L_20M_T_TM1_ANTB	6.34	Pass

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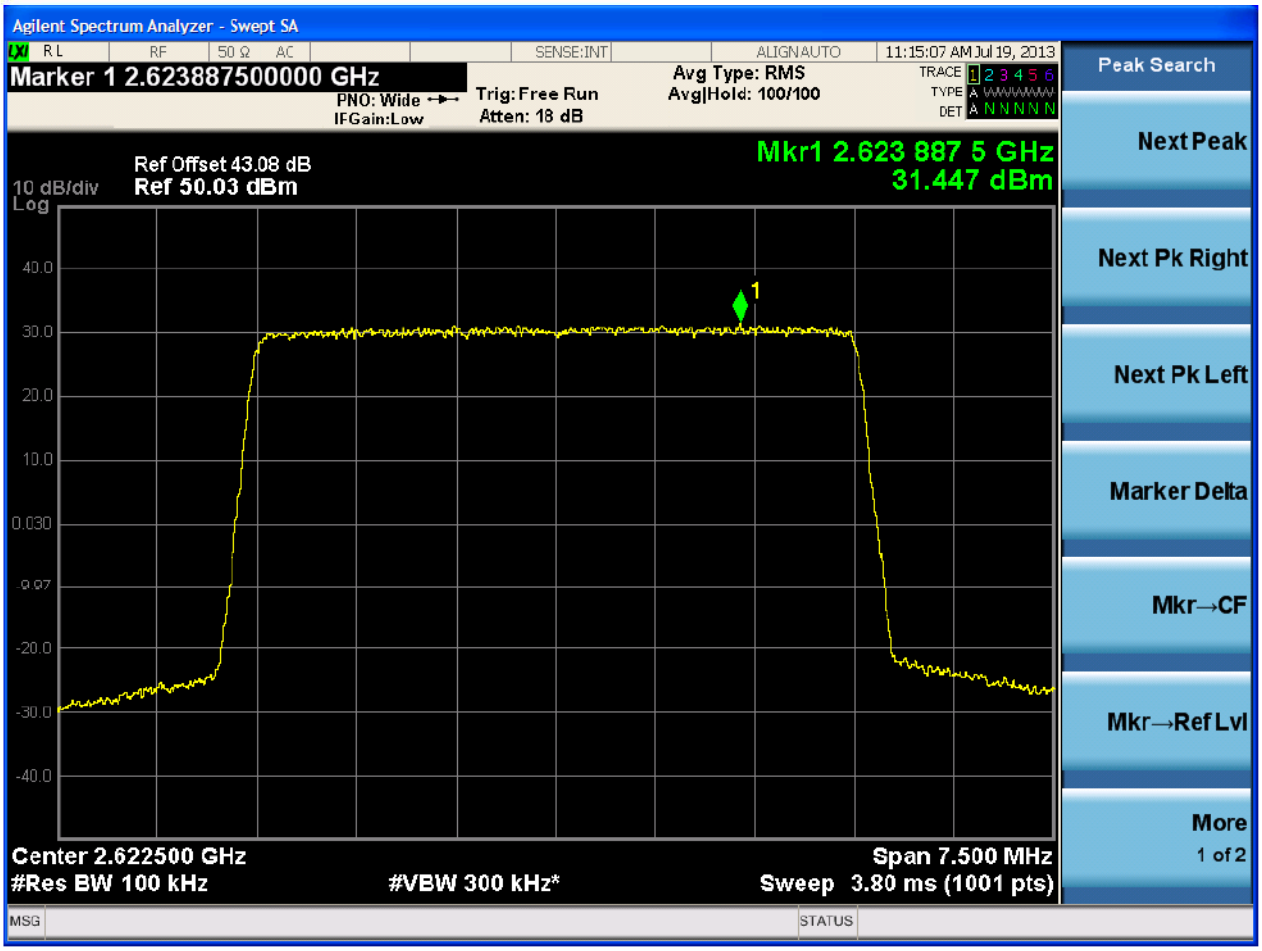
2 Test Plot

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 TX_1L_5M_B_TM1_ANTA



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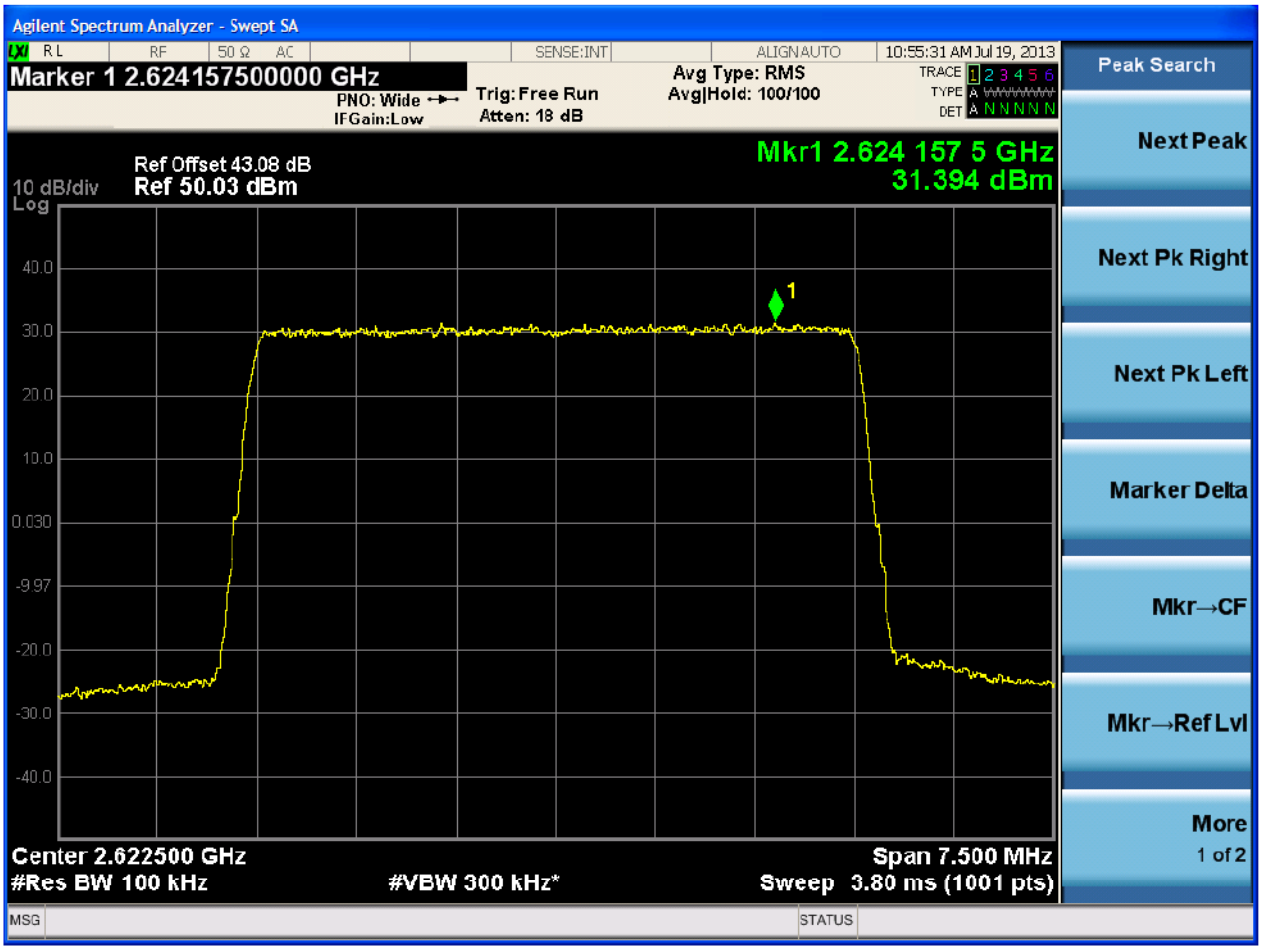
2.1.2 TX_1L_5M_B_TM1_ANTB



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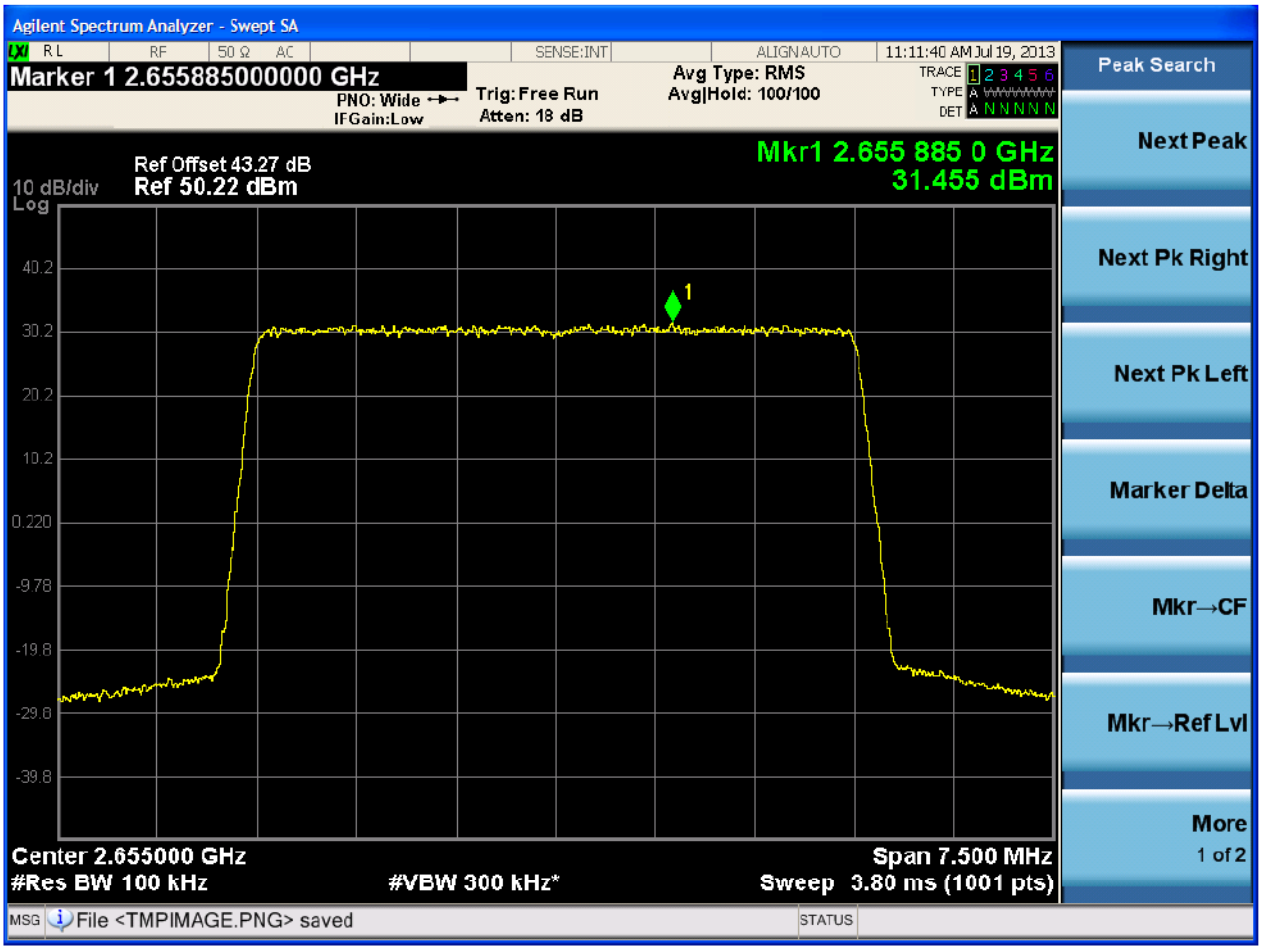
2.1.3 TX_1L_5M_M_TM1_ANTA



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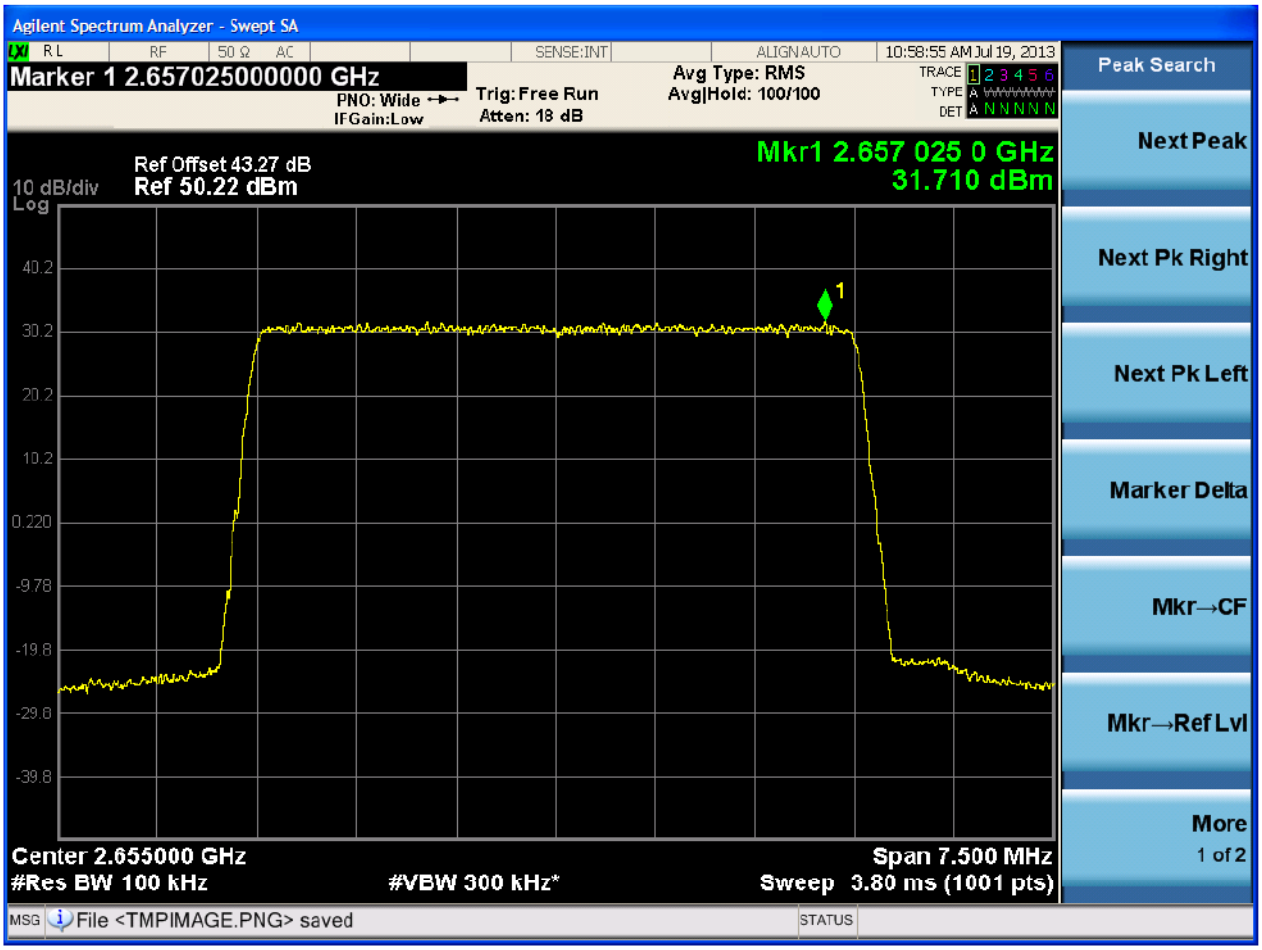
2.1.4 TX_1L_5M_M_TM1_ANTB



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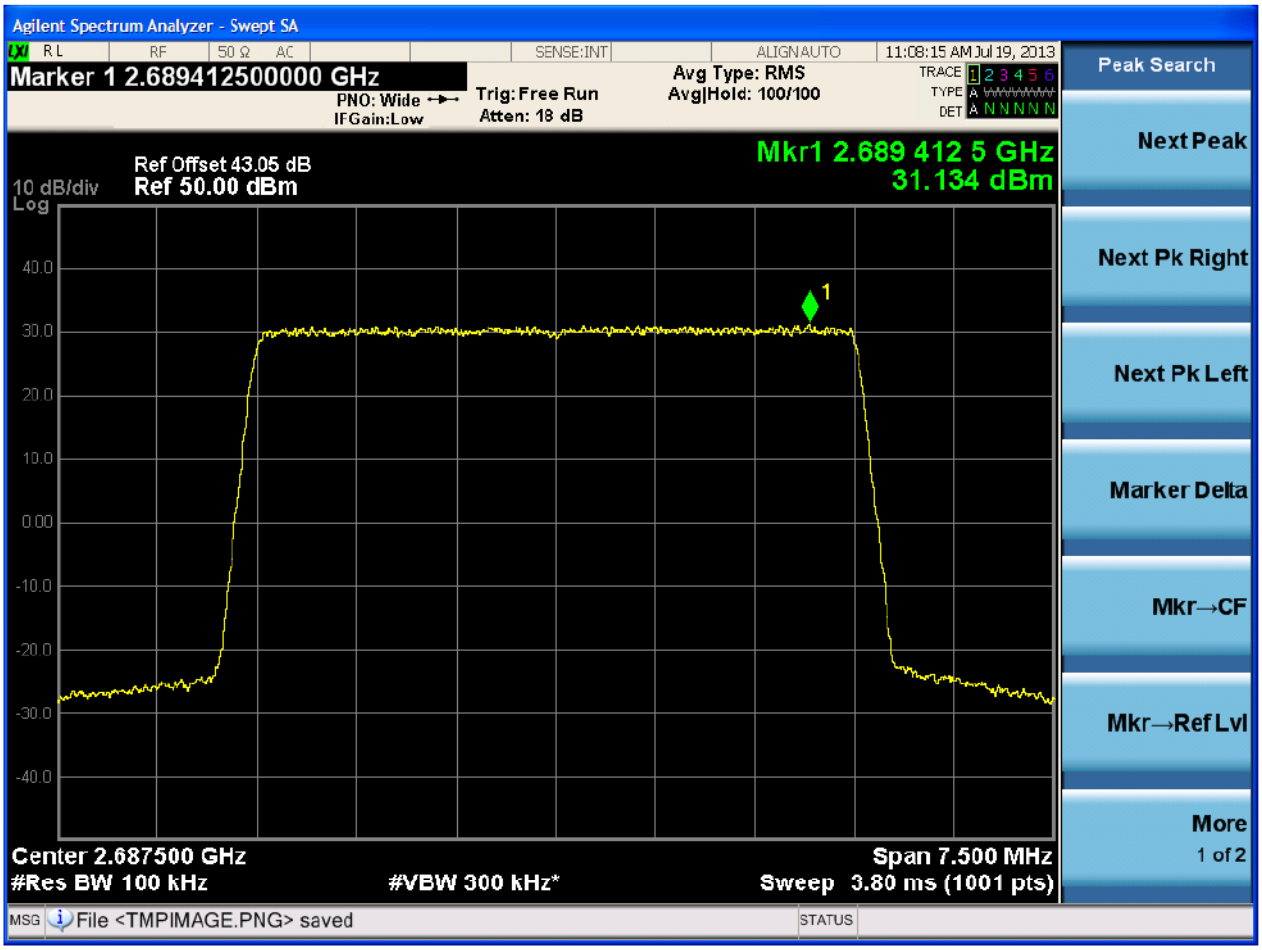
2.1.5 TX_1L_5M_T_TM1_ANTA



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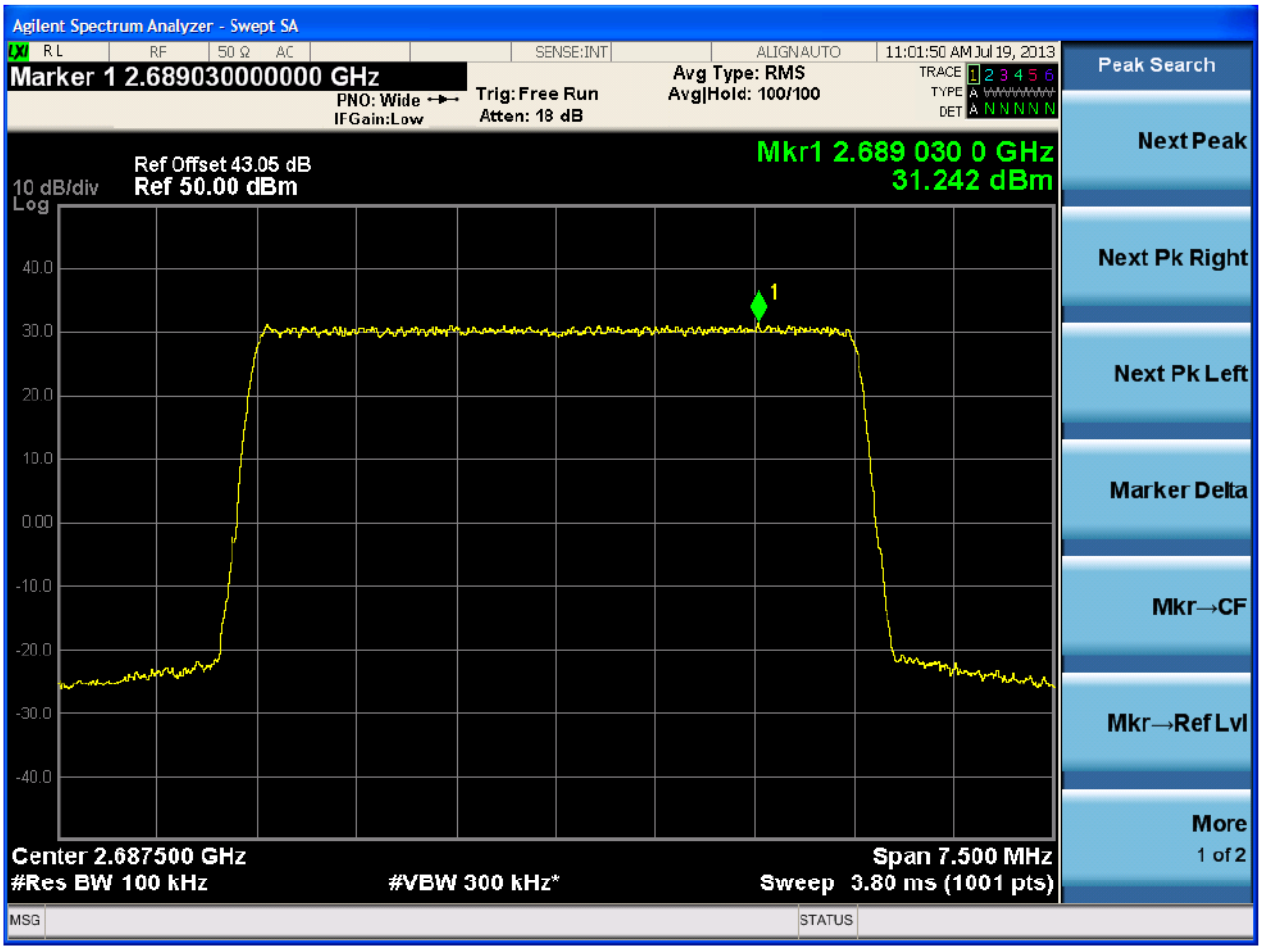
2.1.6 TX_1L_5M_T_TM1_ANTB



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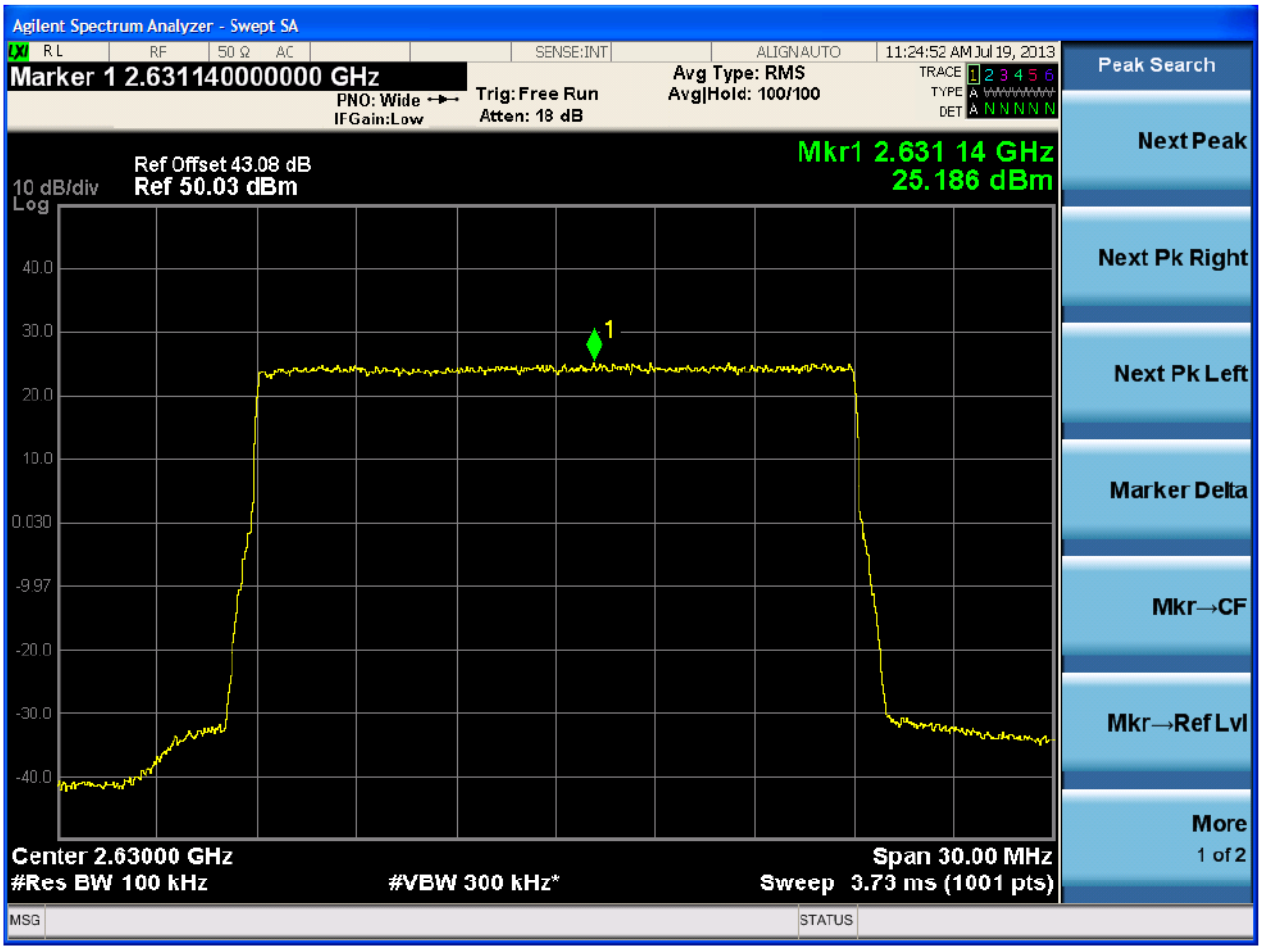
2.1.7 TX_1L_20M_B_TM1_ANTA



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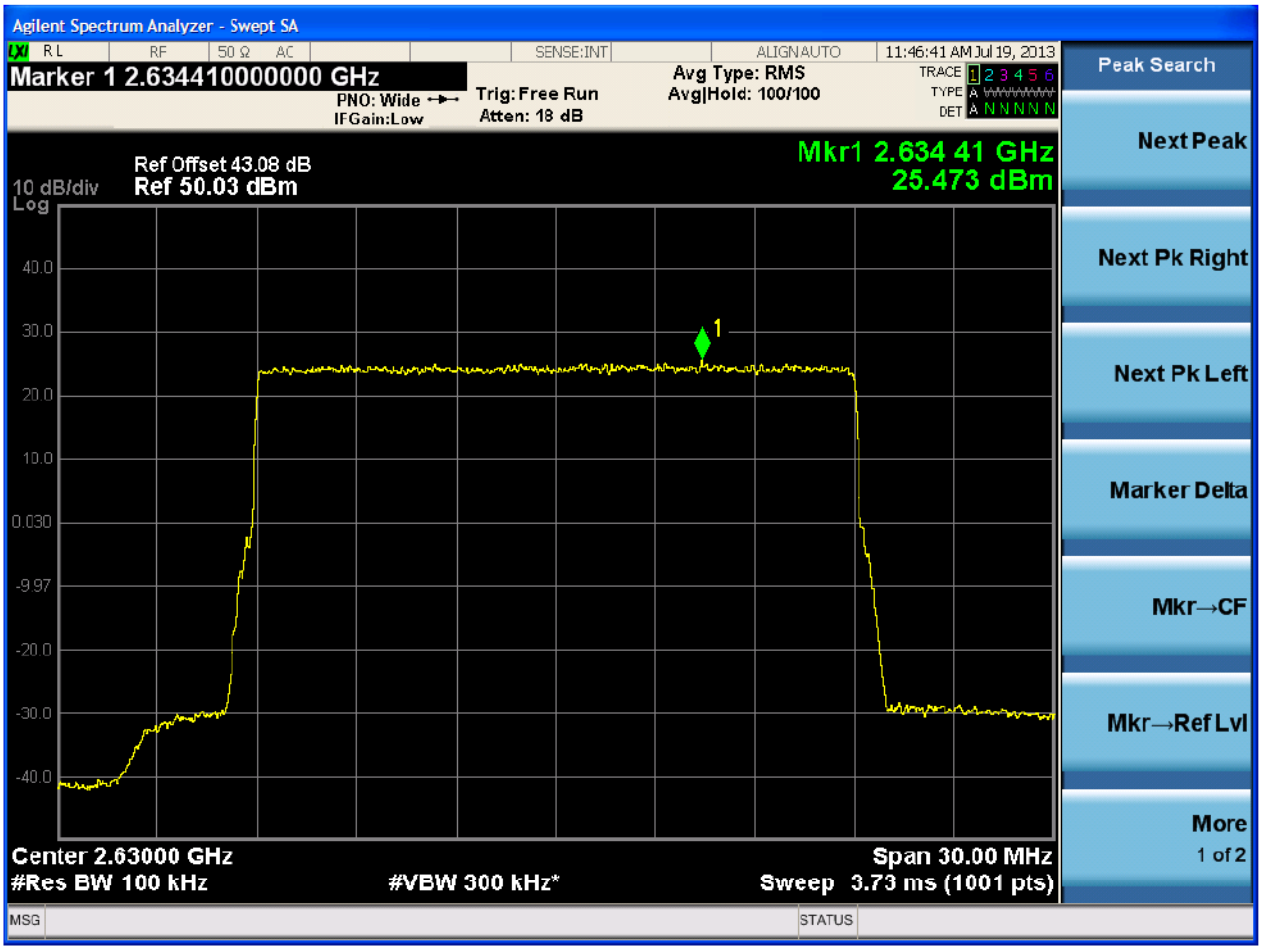
2.1.8 TX_1L_20M_B_TM1_ANTB



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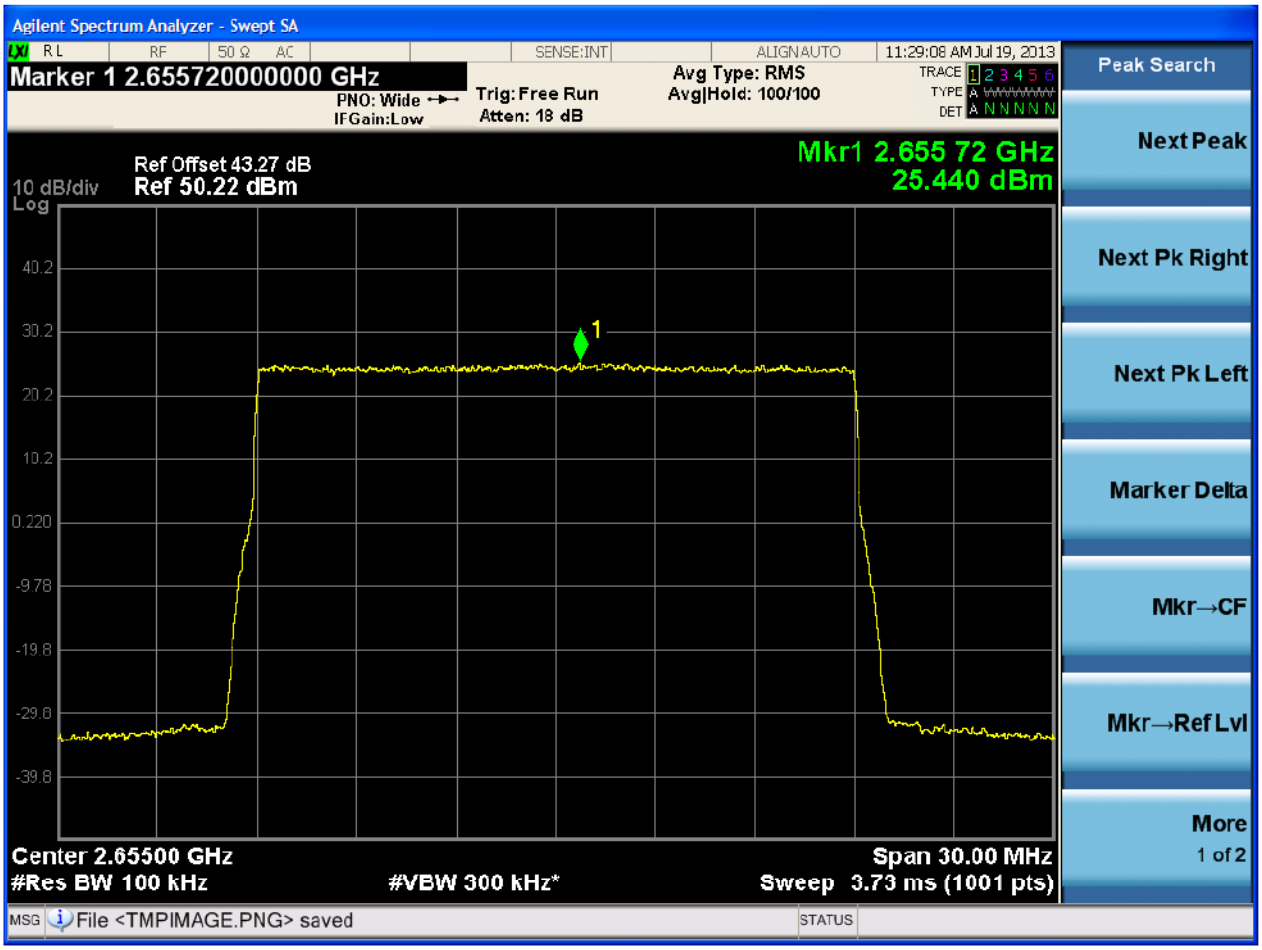
2.1.9 TX_1L_20M_M_TM1_ANTA



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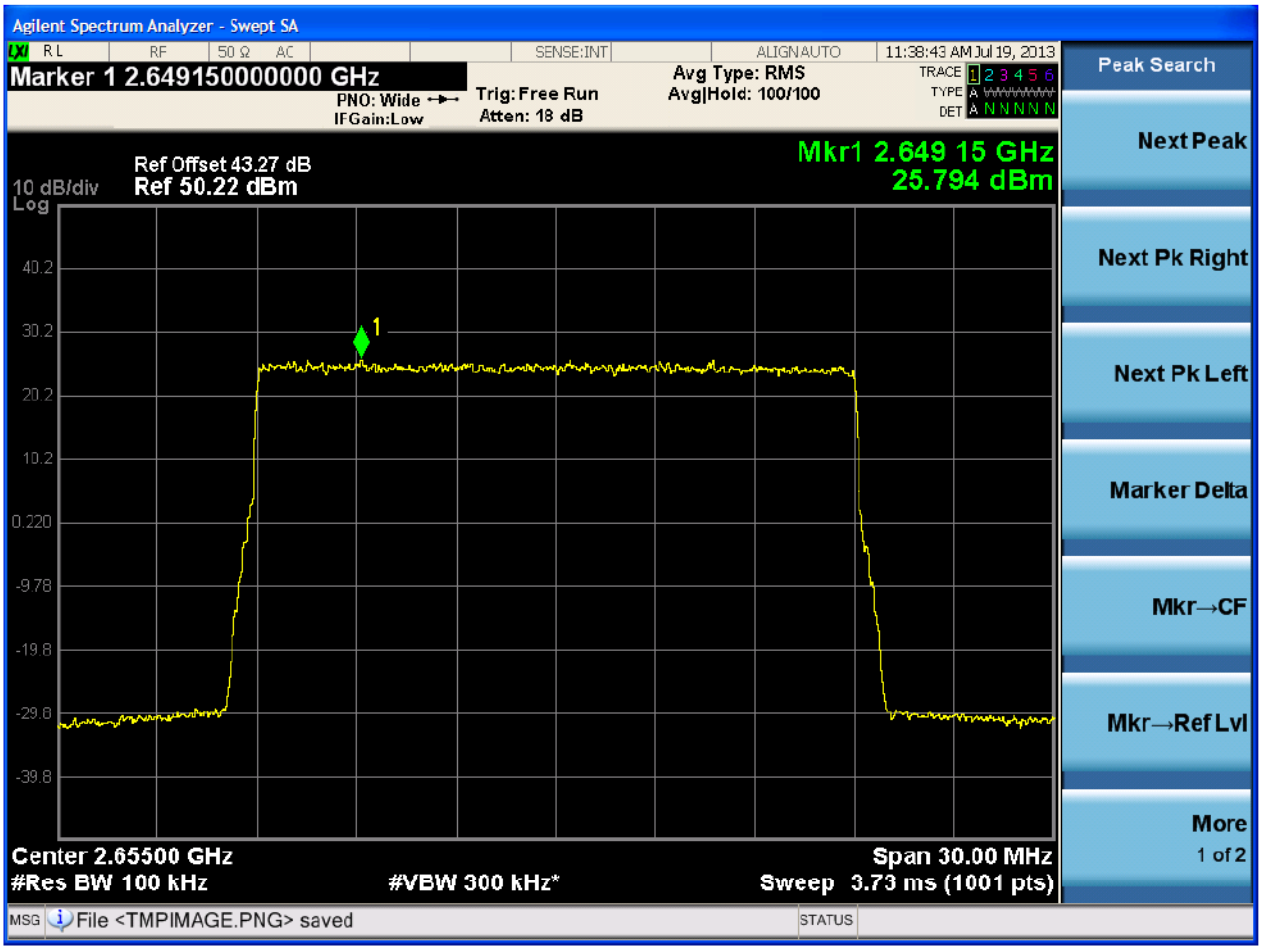
2.1.10 TX_1L_20M_M_TM1_ANTB



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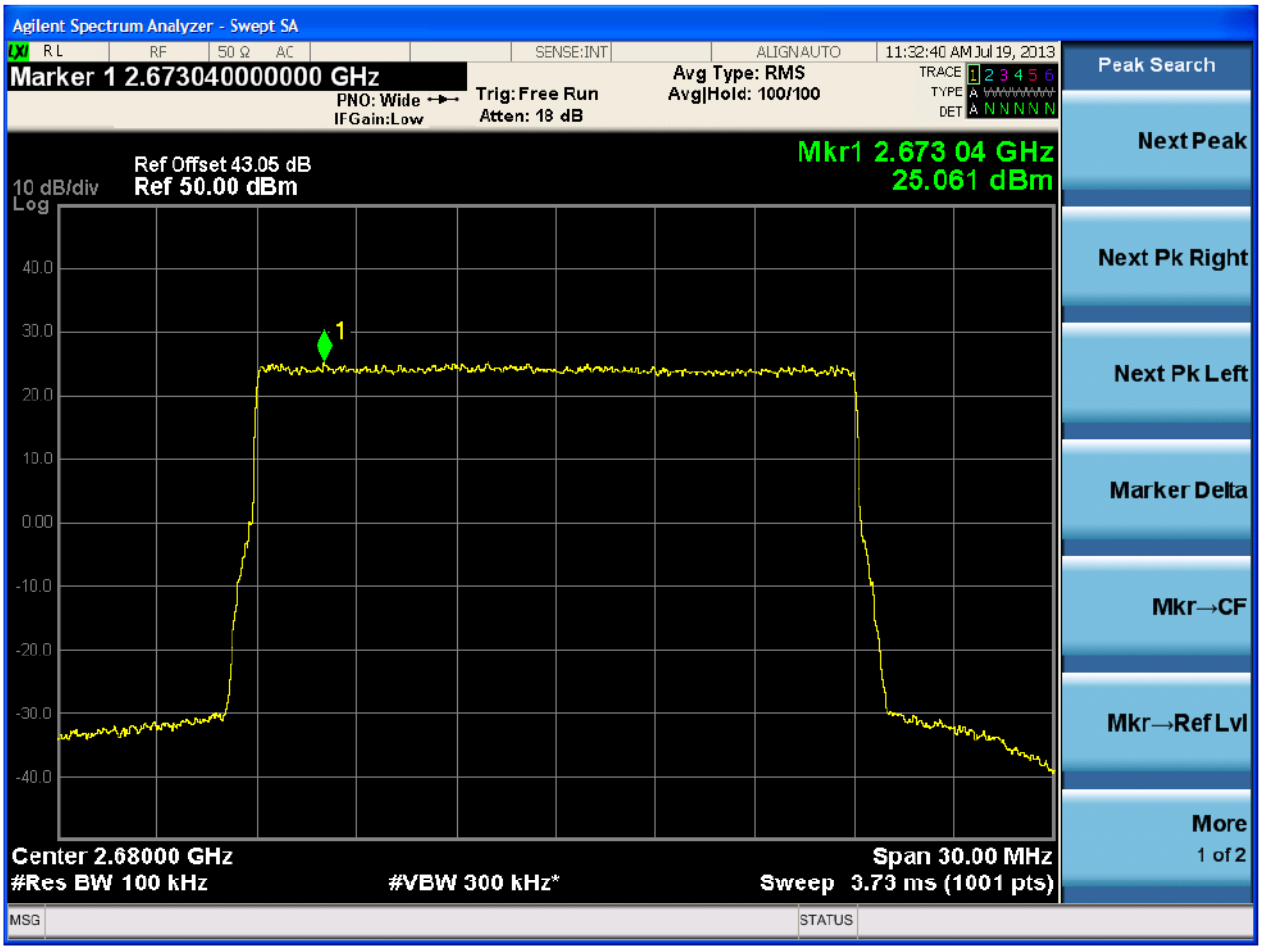
2.1.11 TX_1L_20M_T_TM1_ANTA



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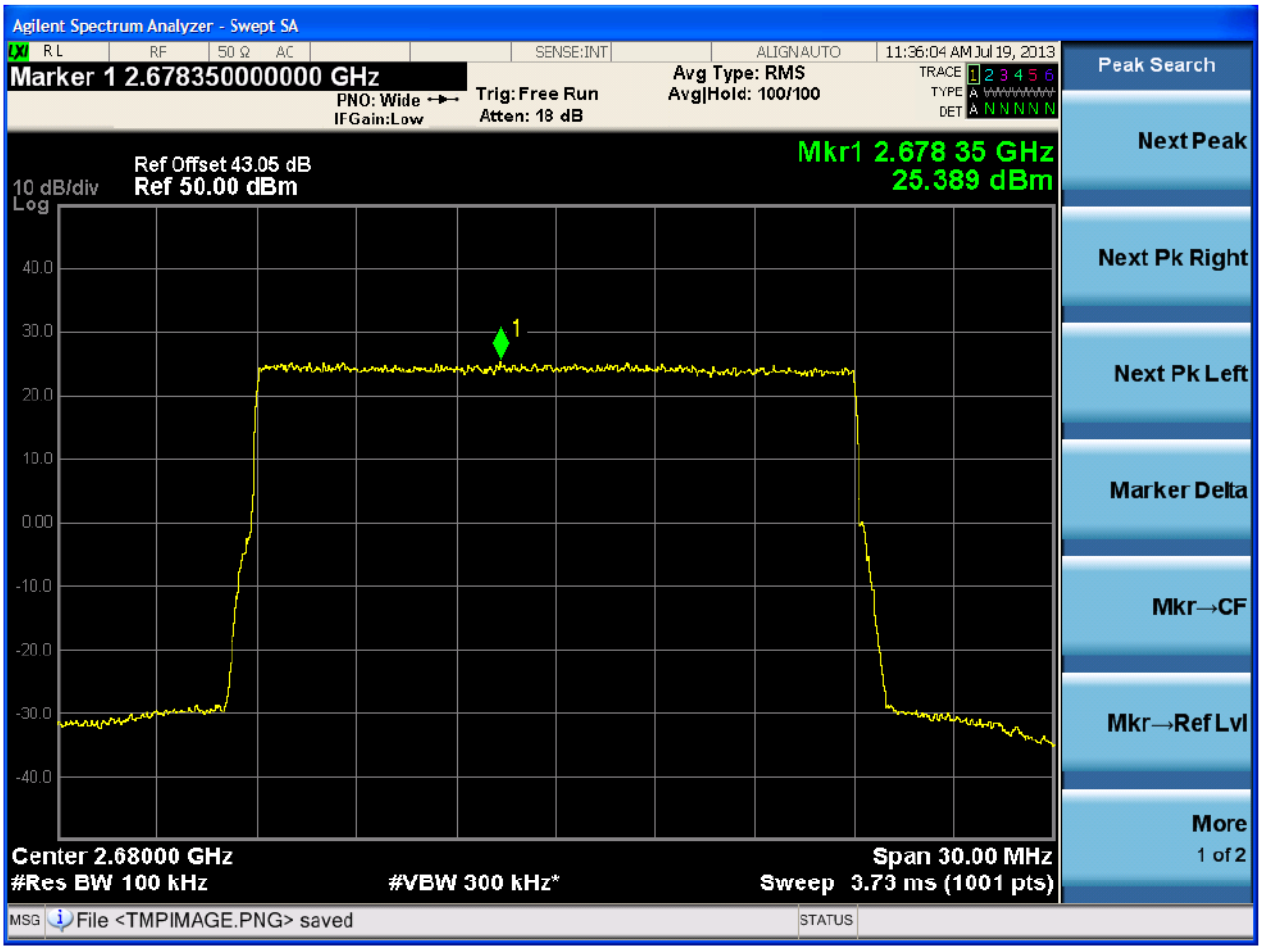
2.1.12 TX_1L_20M_T_TM1_ANTB



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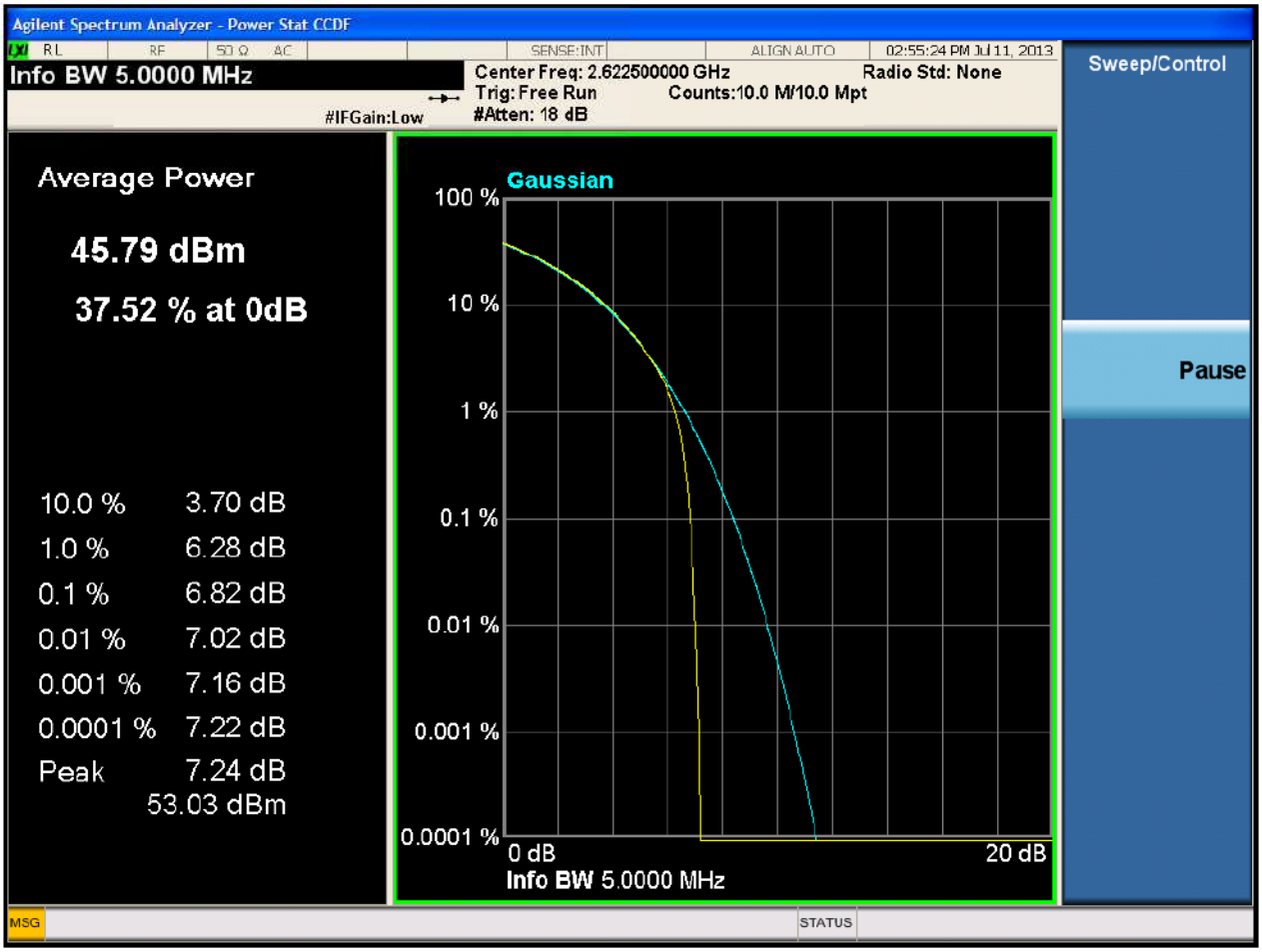
2.2 Peak-to-Average Ratio

2.2.1 TX_1L_5M_B_TM1_ANTA



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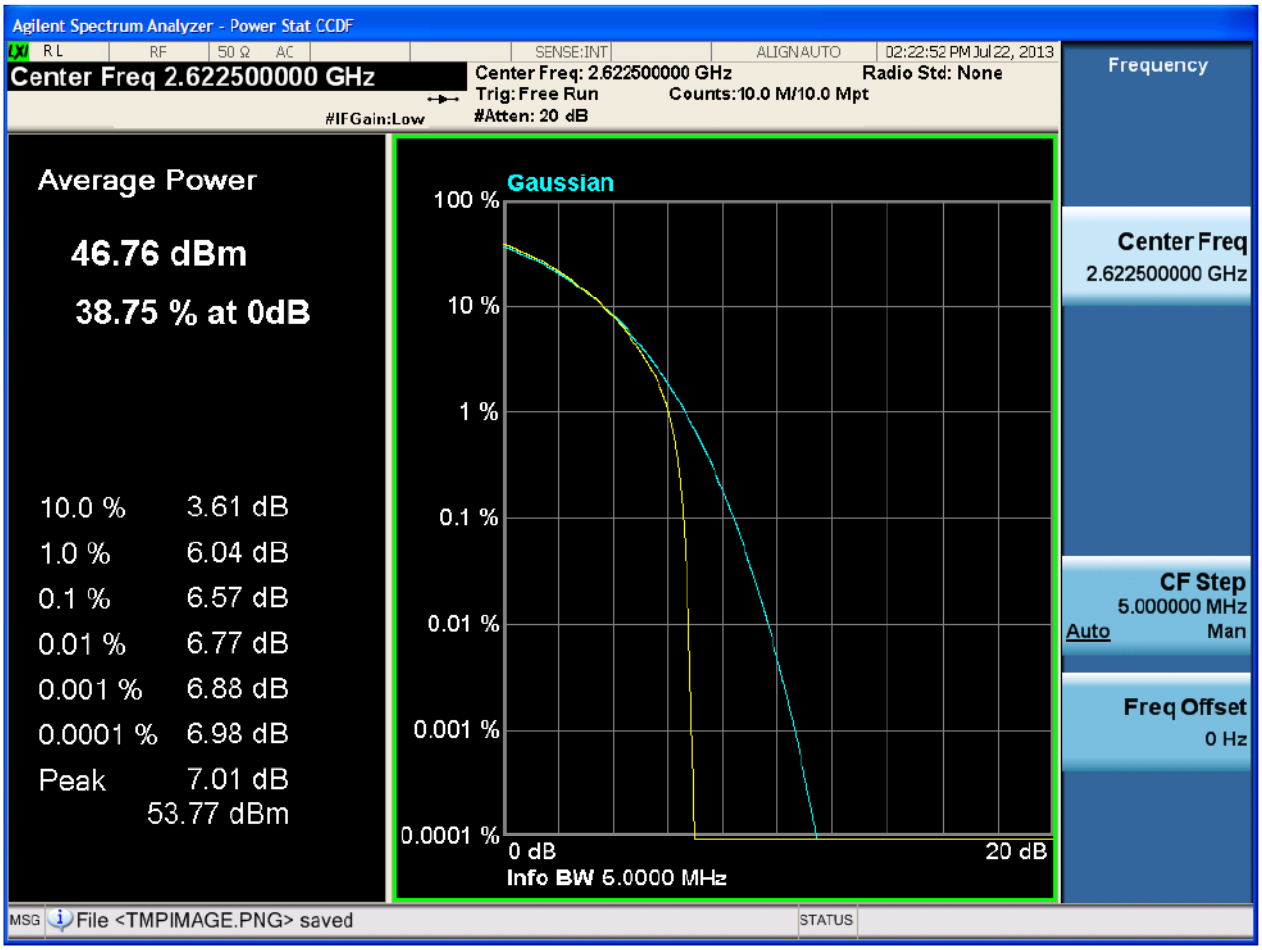
2.2.2 TX_1L_5M_B_TM1_ANTB



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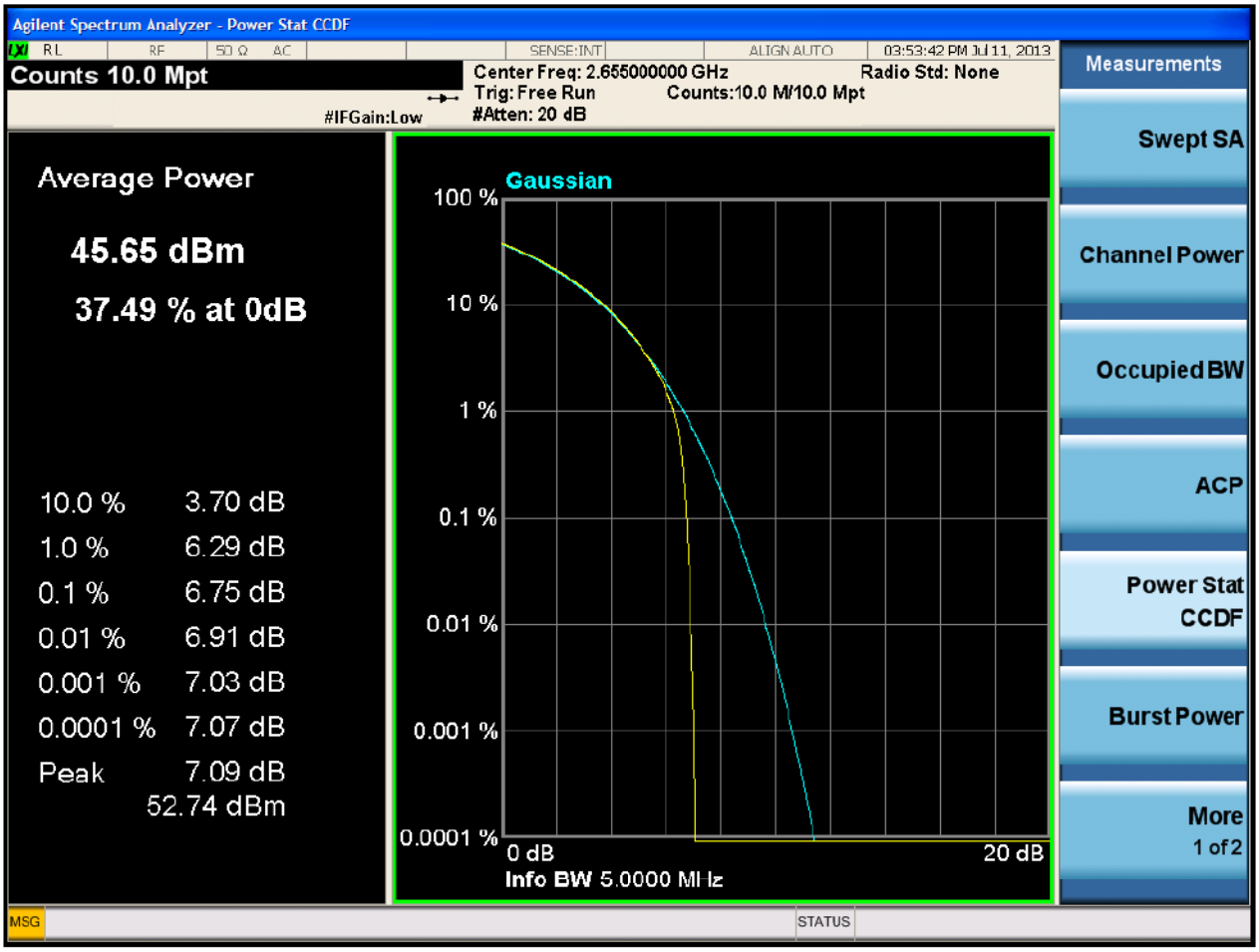
2.2.3 TX_1L_5M_M_TM1_ANTA



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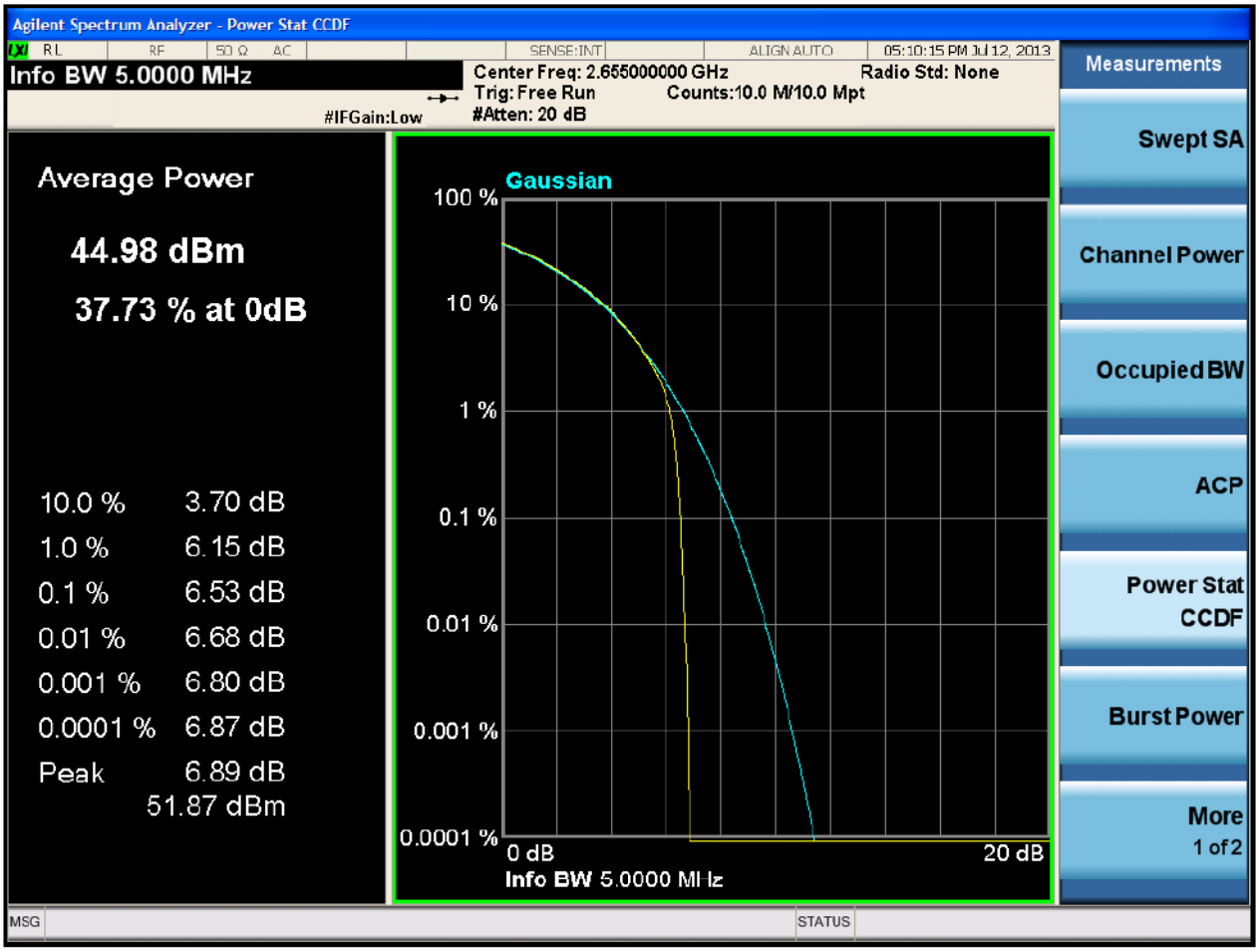
2.2.4 TX_1L_5M_M_TM1_ANTB



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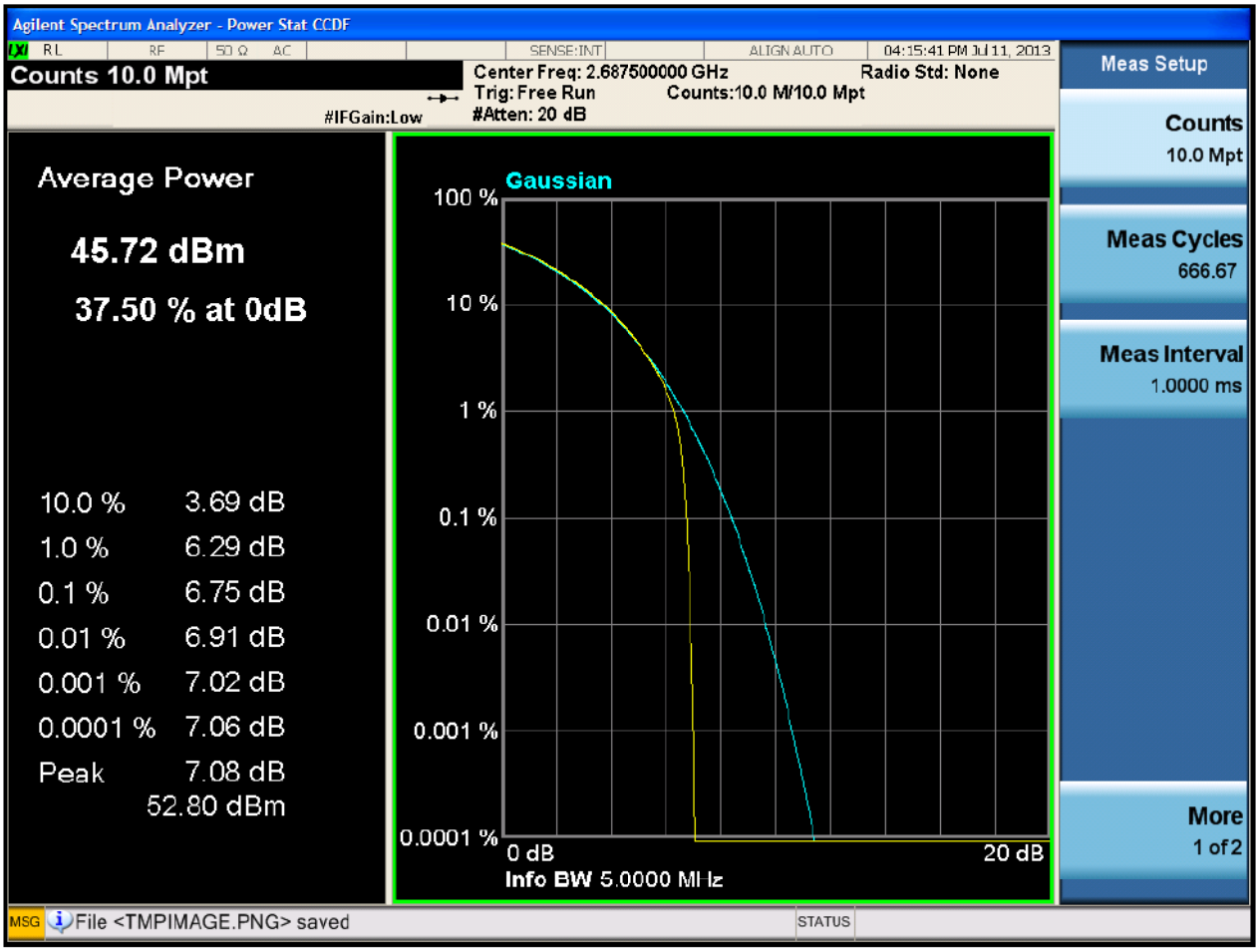
2.2.5 TX_1L_5M_T_TM1_ANTA



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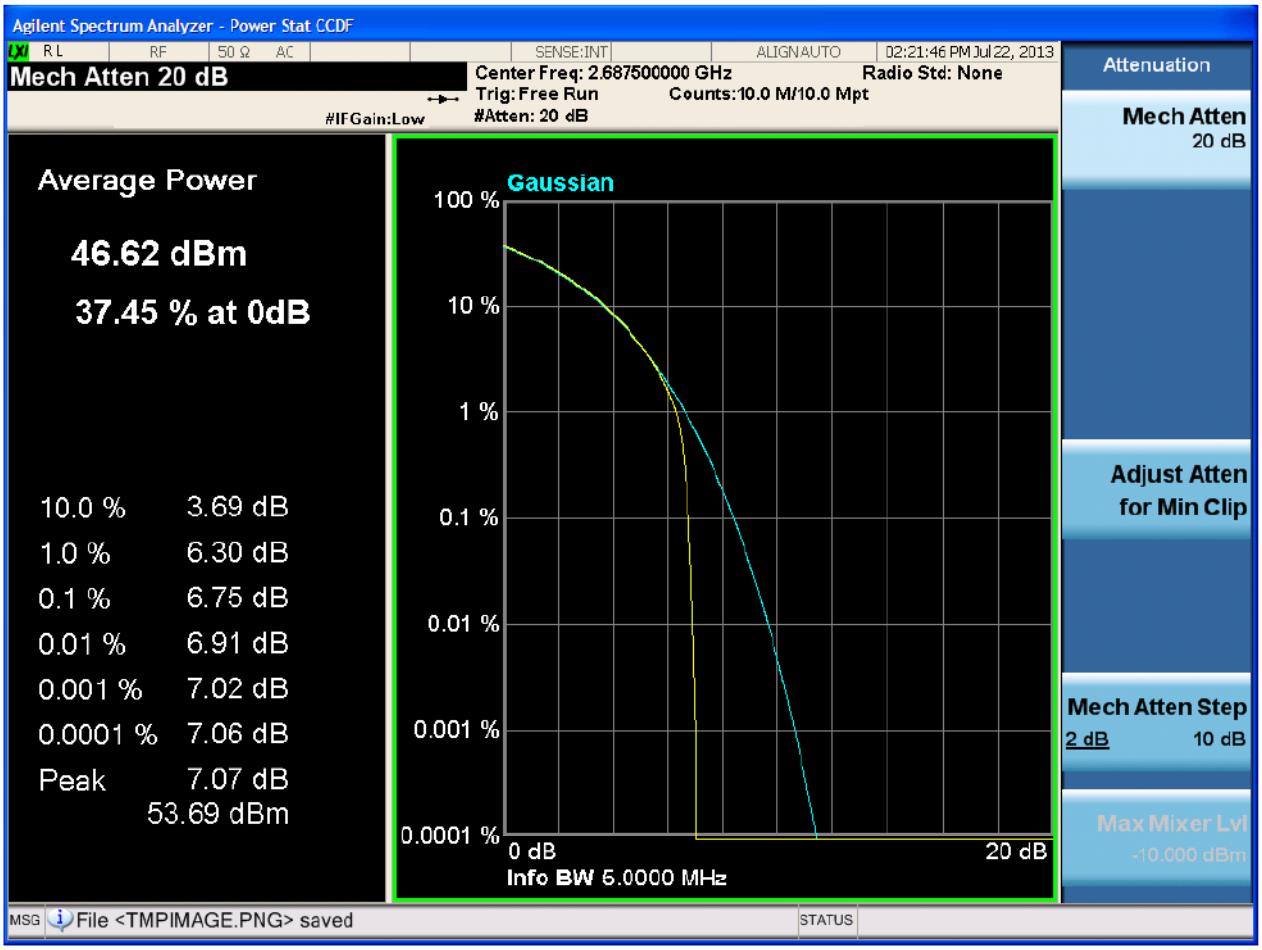
2.2.6 TX_1L_5M_T_TM1_ANTB



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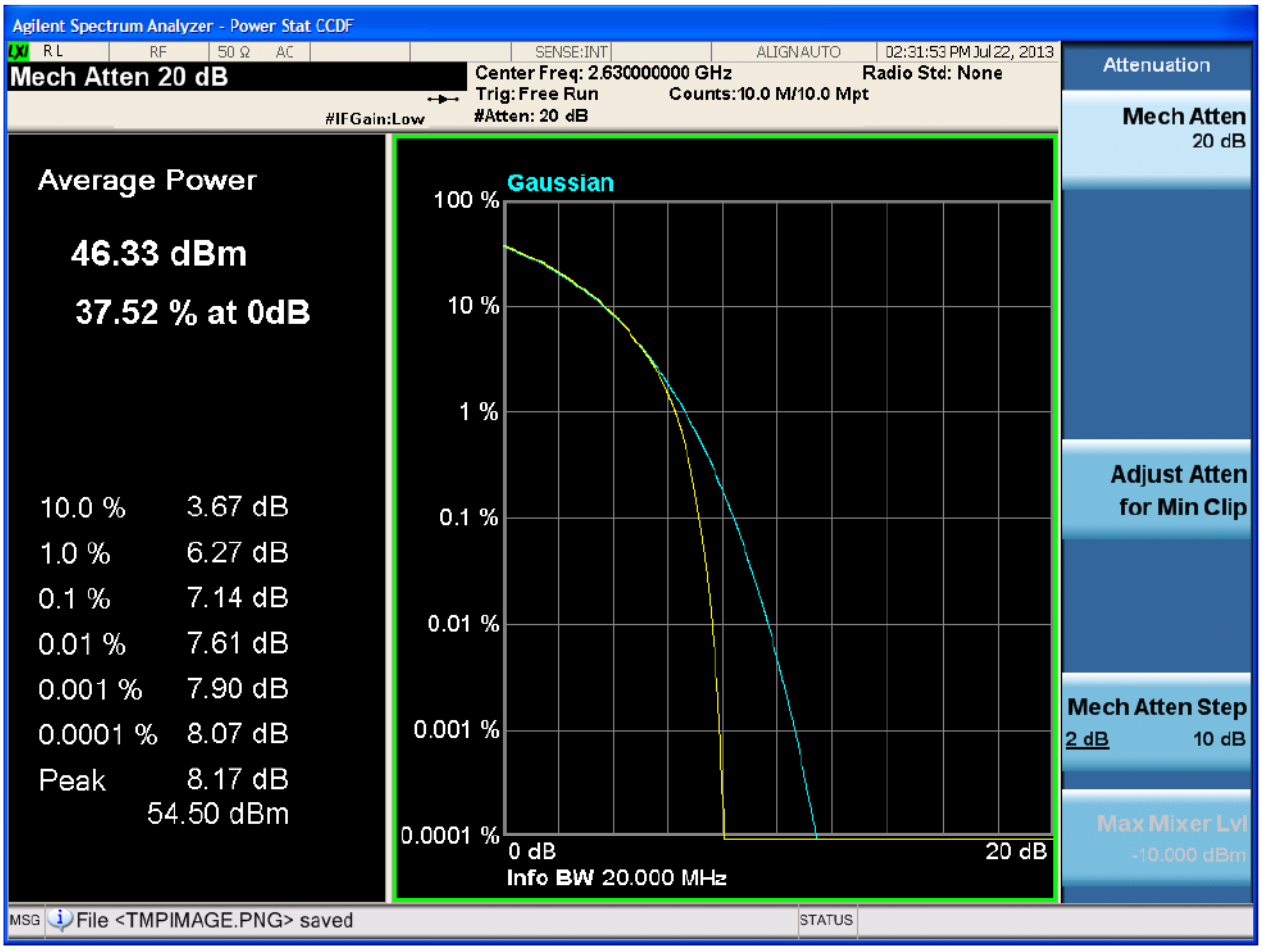
2.2.7 TX_1L_20M_B_TM1_ANTA



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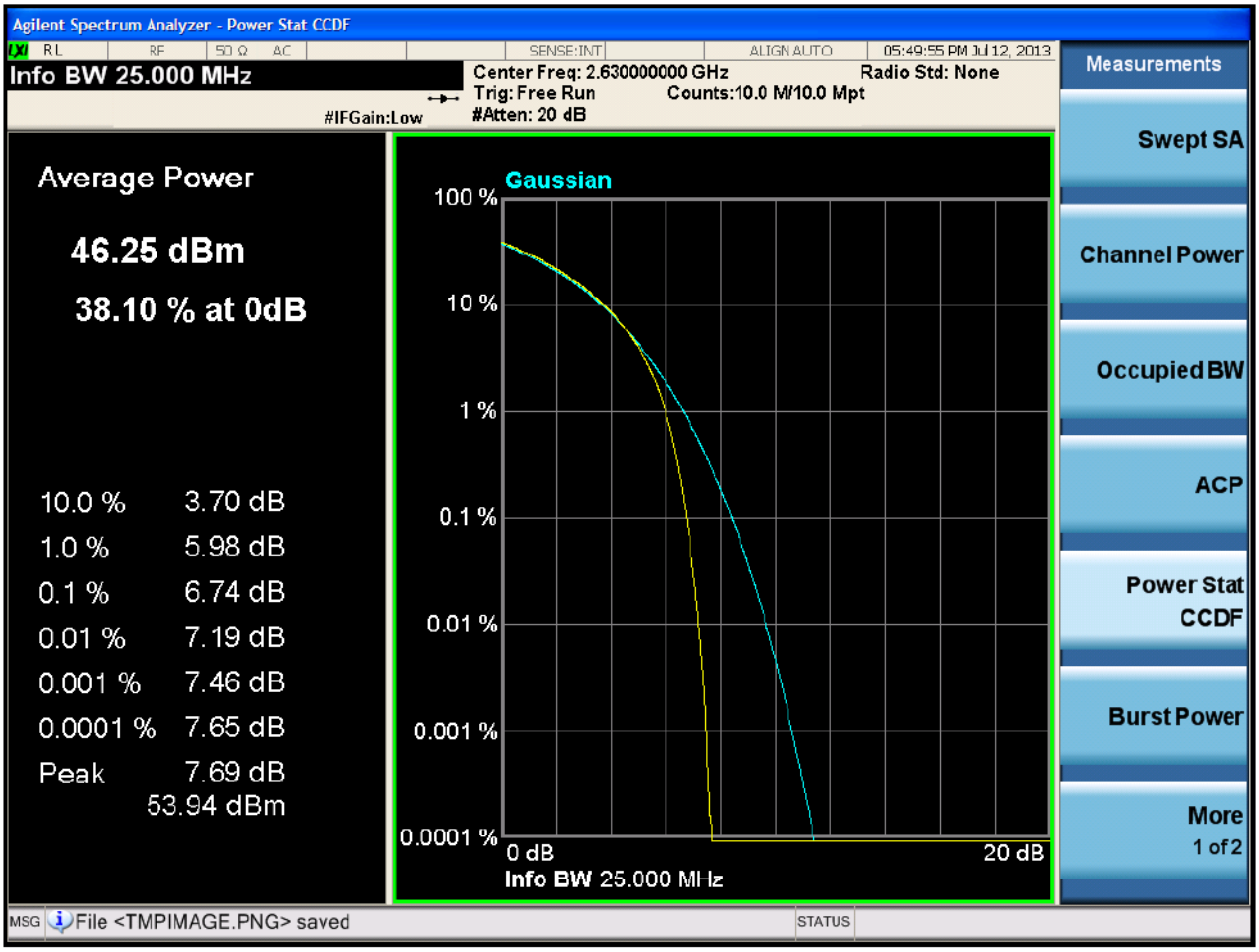
2.2.8 TX_1L_20M_B_TM1_ANTB



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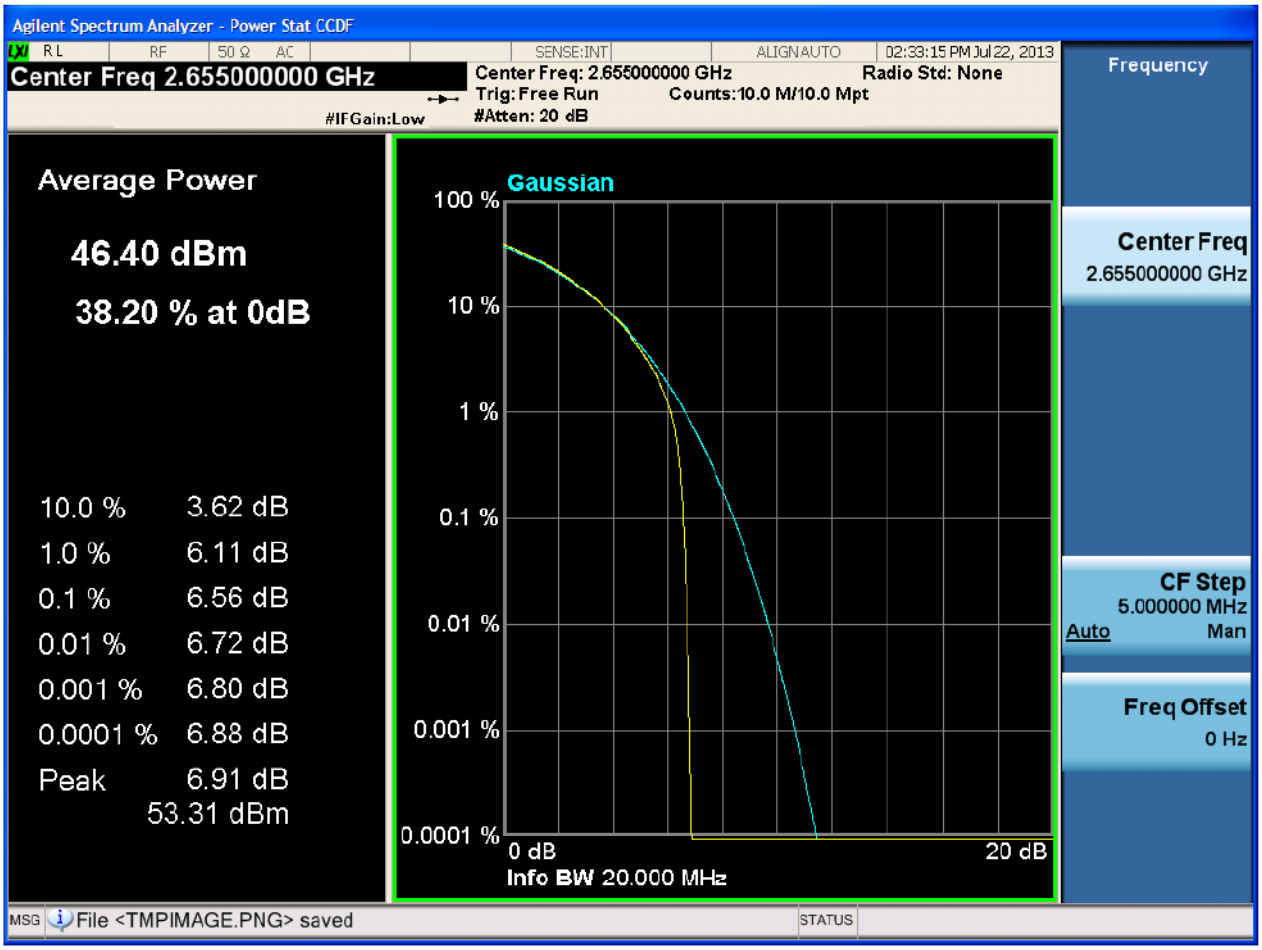
2.2.9 TX_1L_20M_M_TM1_ANTA



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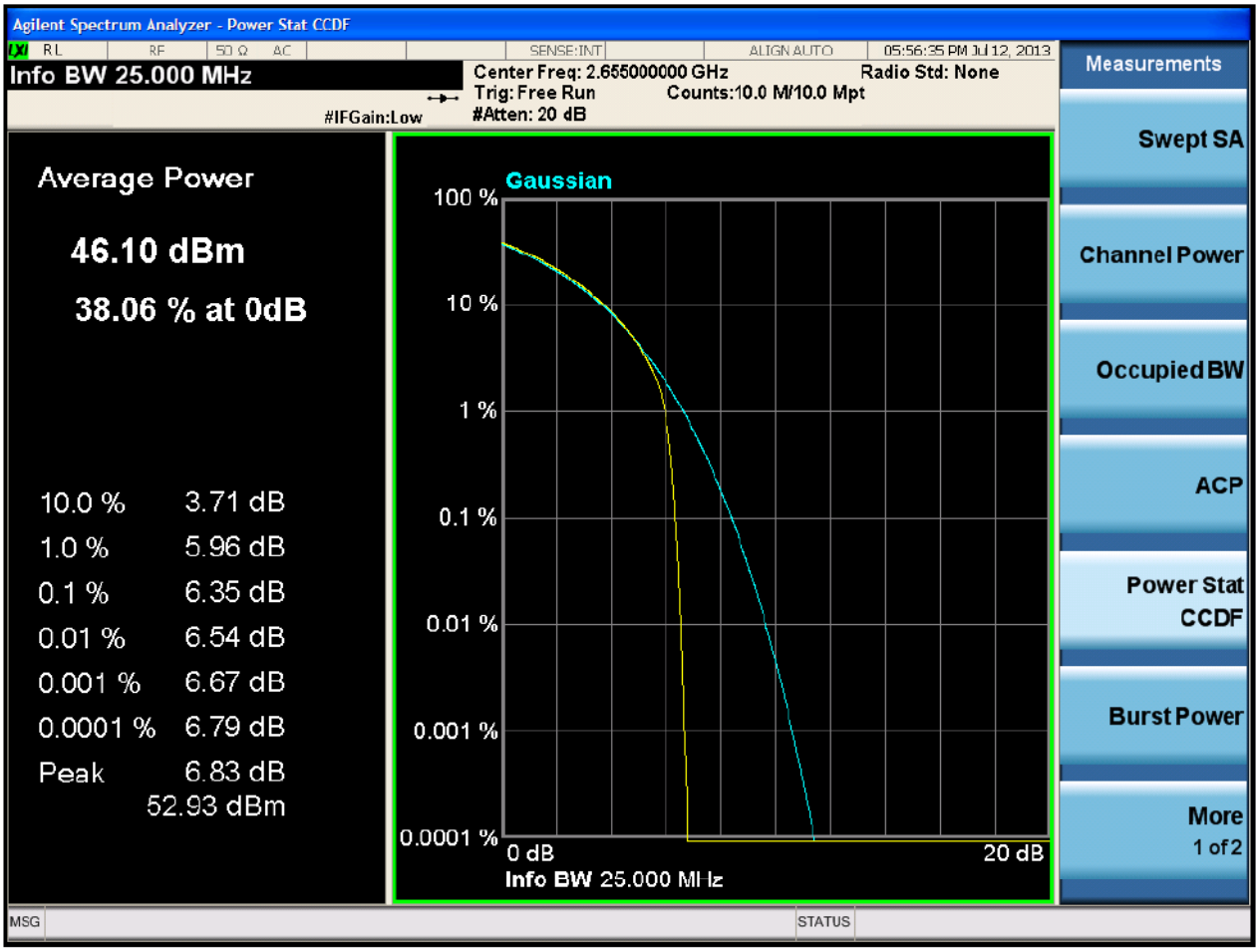
2.2.10 TX_1L_20M_M_TM1_ANTB



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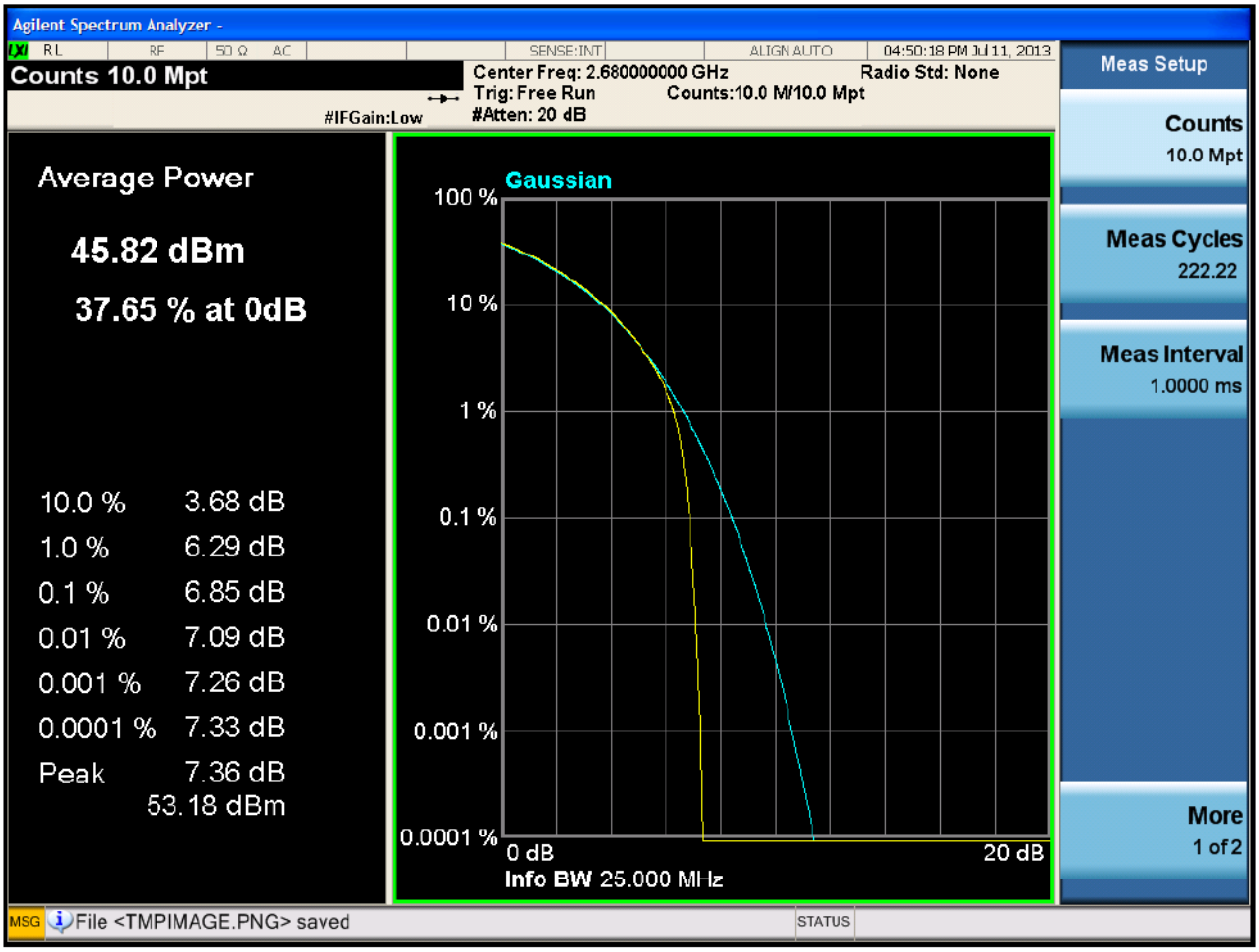
2.2.11 TX_1L_20M_T_TM1_ANTA



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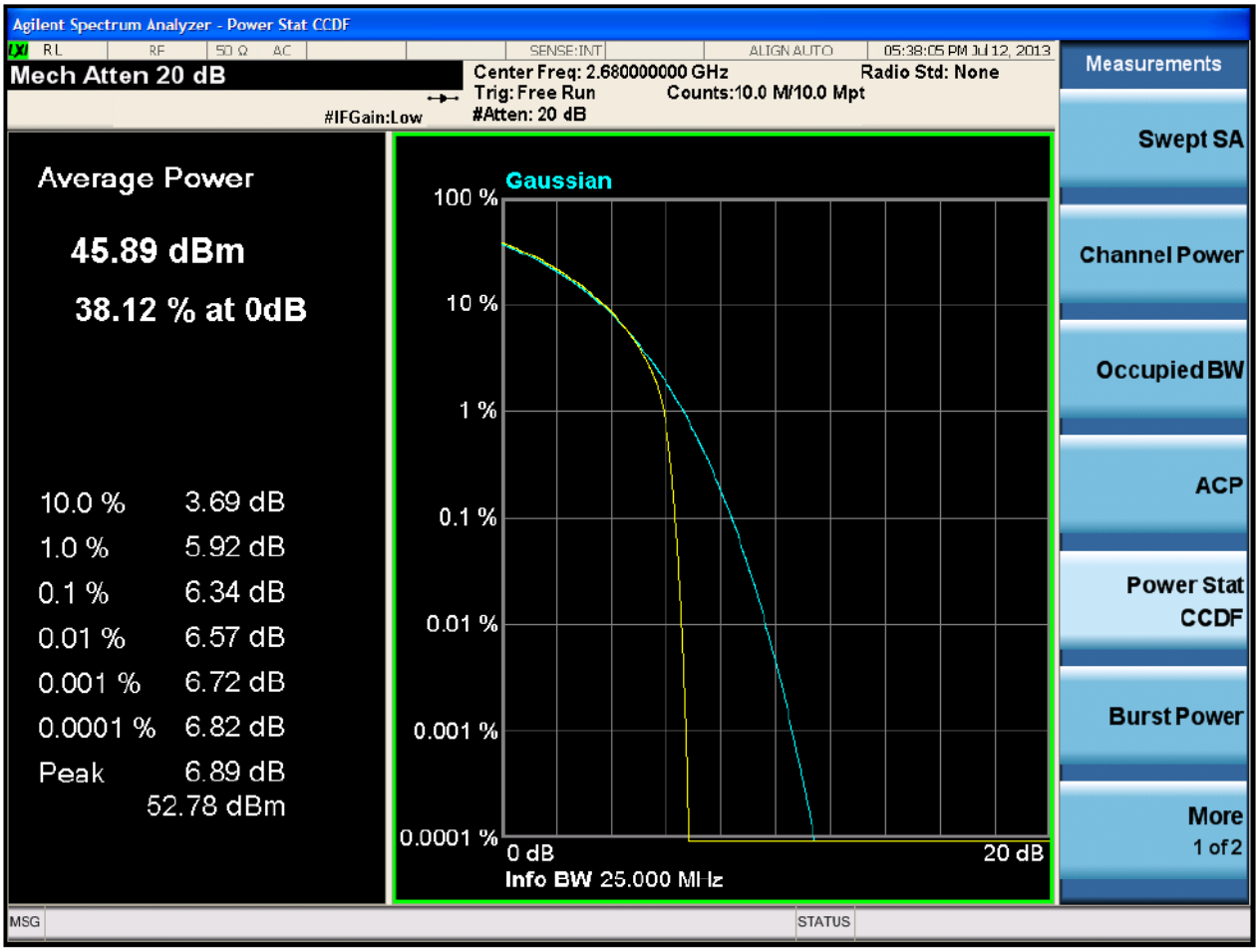
2.2.12 TX_1L_20M_T_TM1_ANTB



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Appendix B: Bandwidth

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1 Result Table

1.1 Occupied Bandwidth

EUT Conf.	Occupied Bandwidth [MHz]	Verdict
TX_1L_5M_B_TM1_ANTA	4.4754	Pass
TX_1L_5M_B_TM1_ANTB	4.4505	Pass
TX_1L_5M_M_TM1_ANTA	4.4843	Pass
TX_1L_5M_M_TM1_ANTB	4.4727	Pass
TX_1L_5M_T_TM1_ANTA	4.4787	Pass
TX_1L_5M_T_TM1_ANTB	4.4710	Pass
TX_1L_10M_B_TM1_ANTA	8.9445	Pass
TX_1L_10M_B_TM1_ANTB	8.9498	Pass
TX_1L_10M_M_TM1_ANTA	8.9498	Pass
TX_1L_10M_M_TM1_ANTB	8.9417	Pass
TX_1L_10M_T_TM1_ANTA	8.9725	Pass
TX_1L_10M_T_TM1_ANTB	8.9539	Pass
TX_1L_15M_B_TM1_ANTA	13.402	Pass
TX_1L_15M_B_TM1_ANTB	13.410	Pass
TX_1L_15M_M_TM1_ANTA	13.428	Pass
TX_1L_15M_M_TM1_ANTB	13.472	Pass
TX_1L_15M_T_TM1_ANTA	13.411	Pass
TX_1L_15M_T_TM1_ANTB	13.425	Pass
TX_1L_20M_B_TM1_ANTA	17.901	Pass
TX_1L_20M_B_TM1_ANTB	17.878	Pass
TX_1L_20M_M_TM1_ANTA	17.910	Pass
TX_1L_20M_M_TM1_ANTB	17.879	Pass
TX_1L_20M_T_TM1_ANTA	17.896	Pass
TX_1L_20M_T_TM1_ANTB	17.851	Pass

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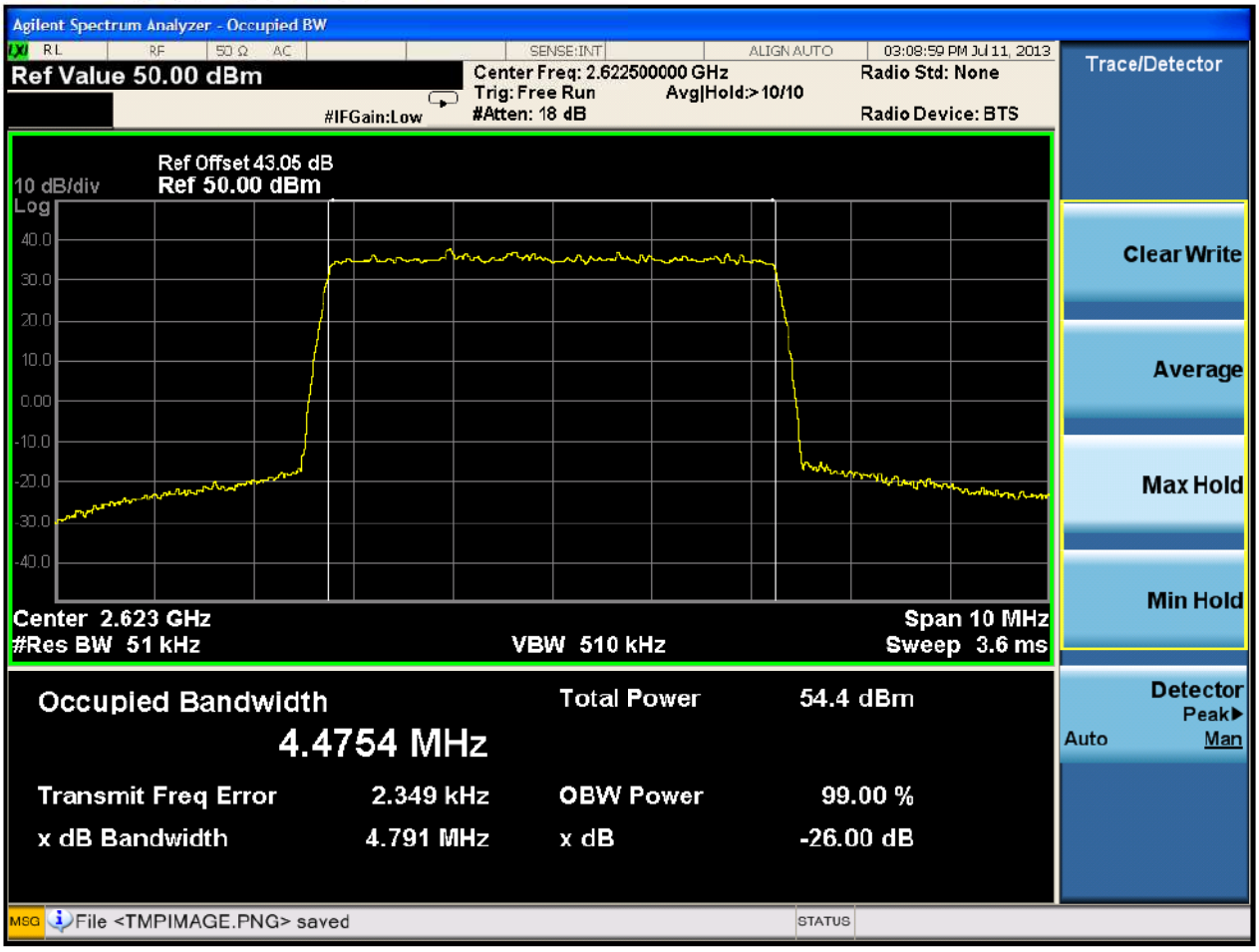
2 Test Plot

2.1 Occupied Bandwidth

2.1.1 TX_1L_5M_B_TM1_ANTA



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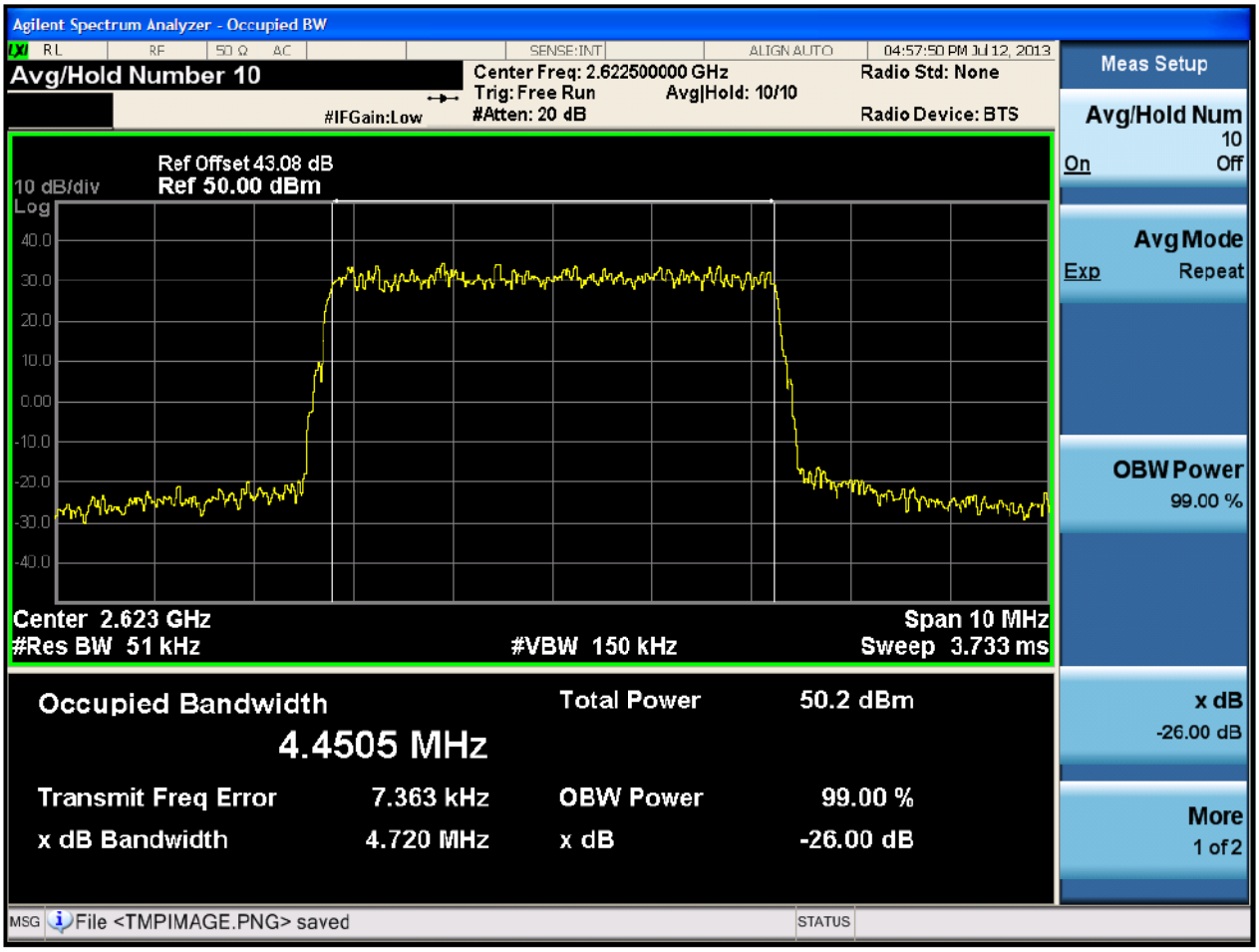
2.1.2 TX_1L_5M_B_TM1_ANTB



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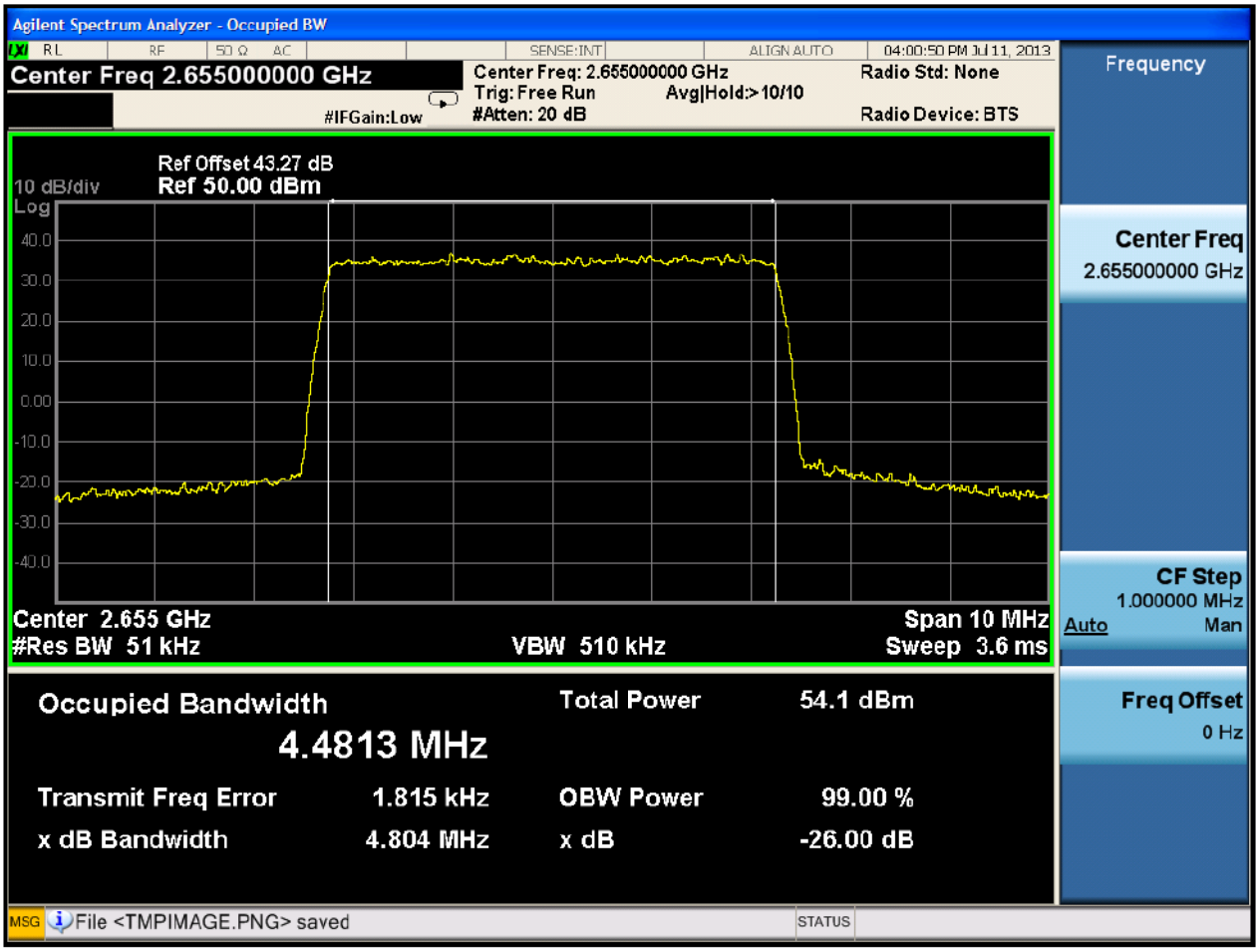
2.1.3 TX_1L_5M_M_TM1_ANTA



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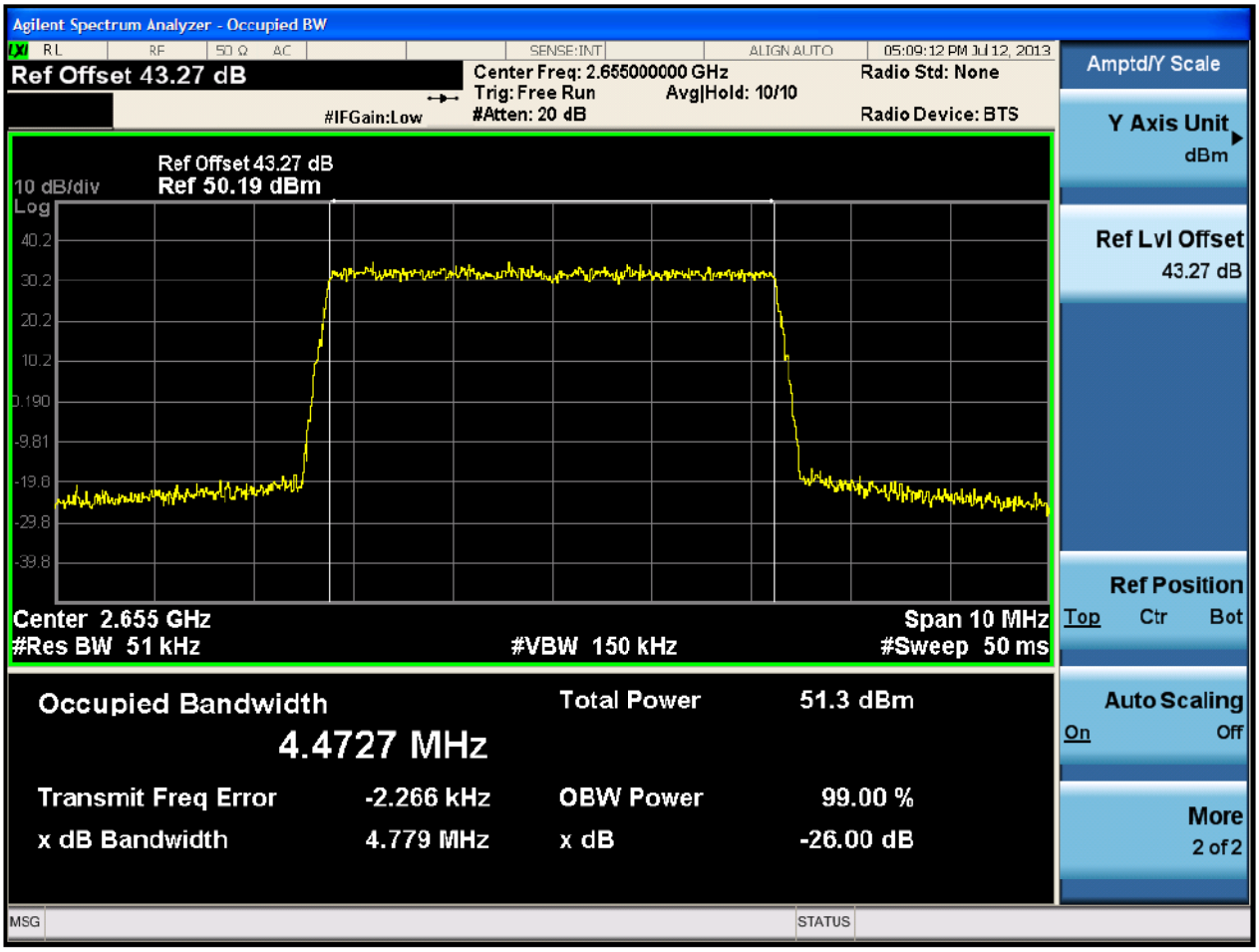
2.1.4 TX_1L_5M_M_TM1_ANTB



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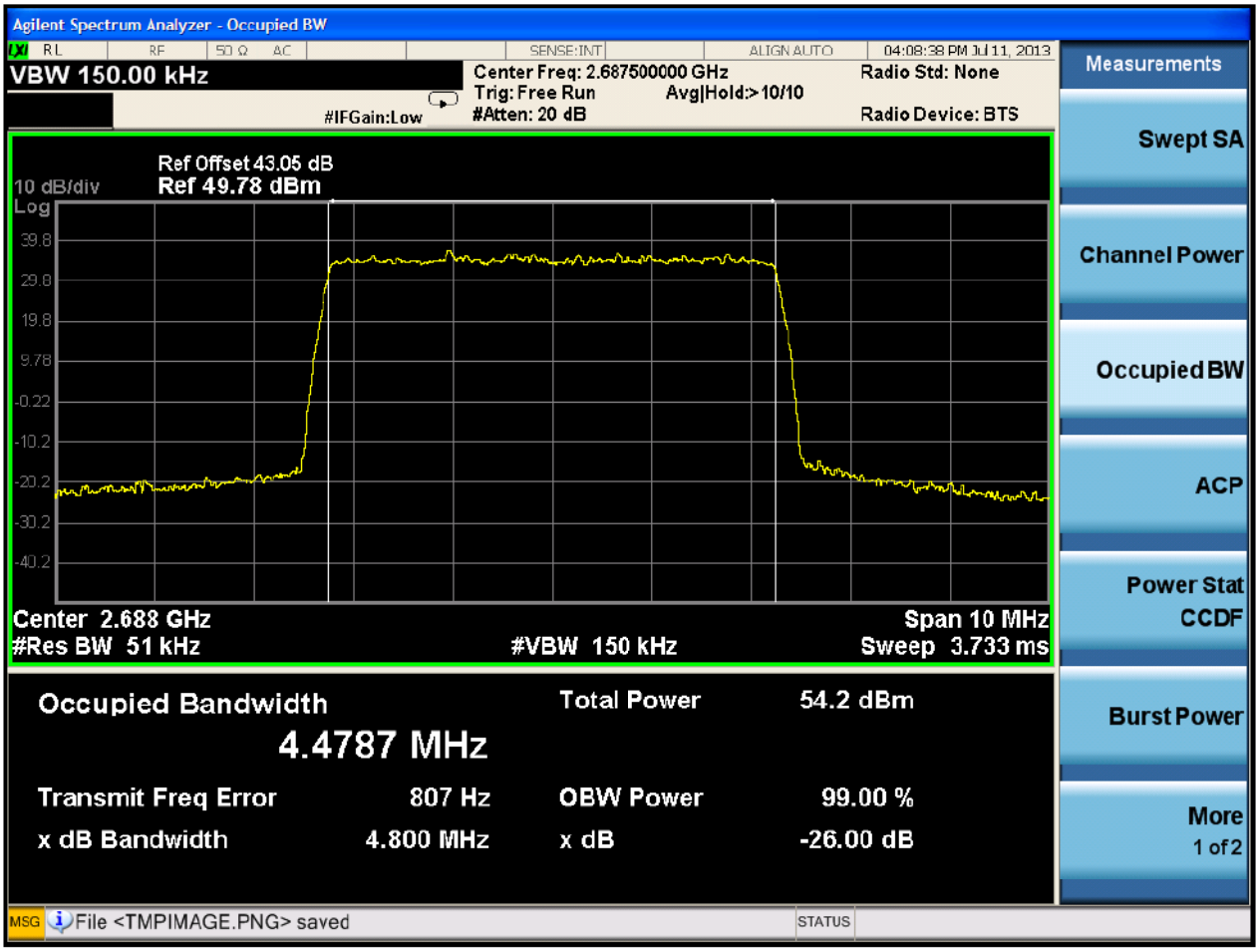
2.1.5 TX_1L_5M_T_TM1_ANTA



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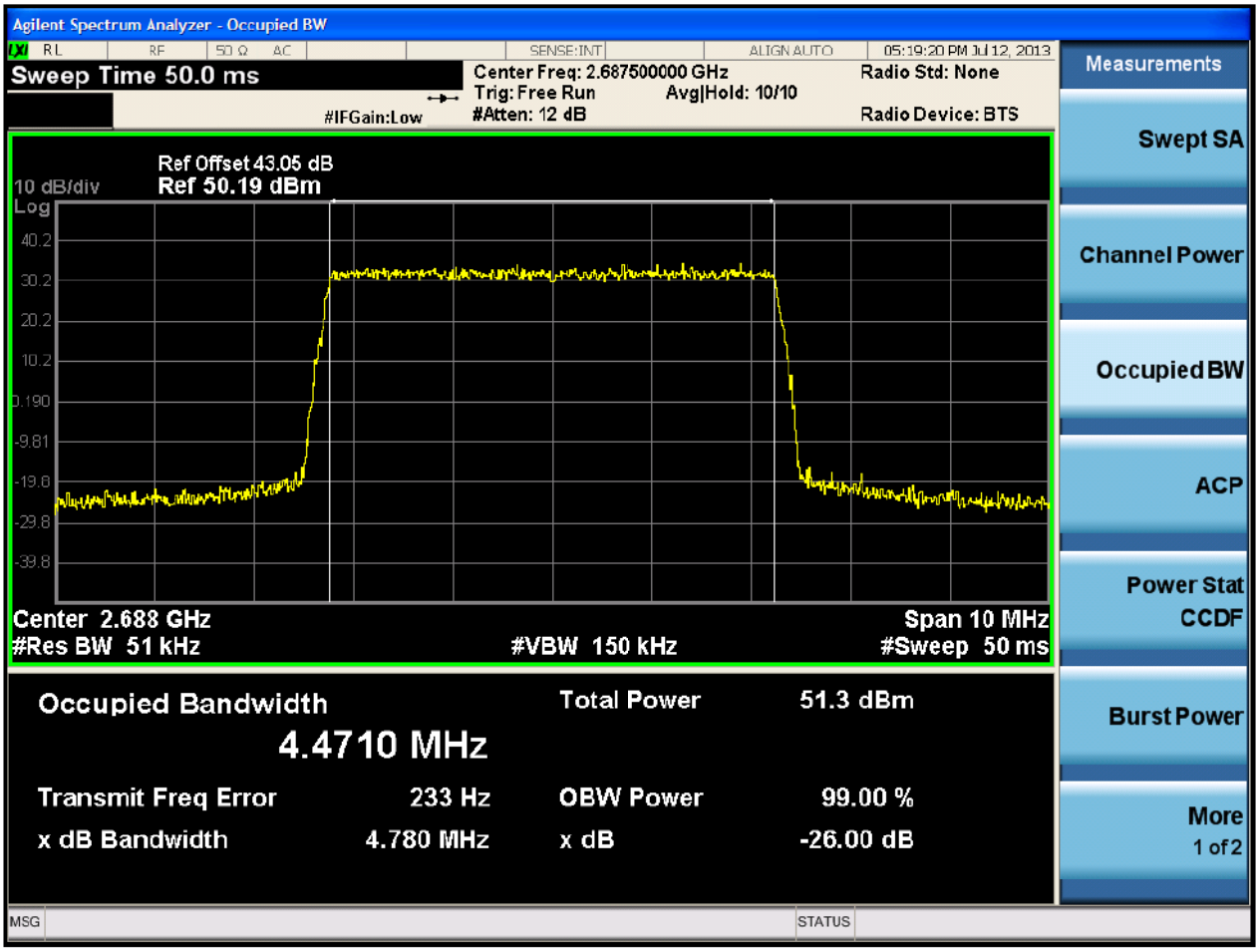
2.1.6 TX_1L_5M_T_TM1_ANTB



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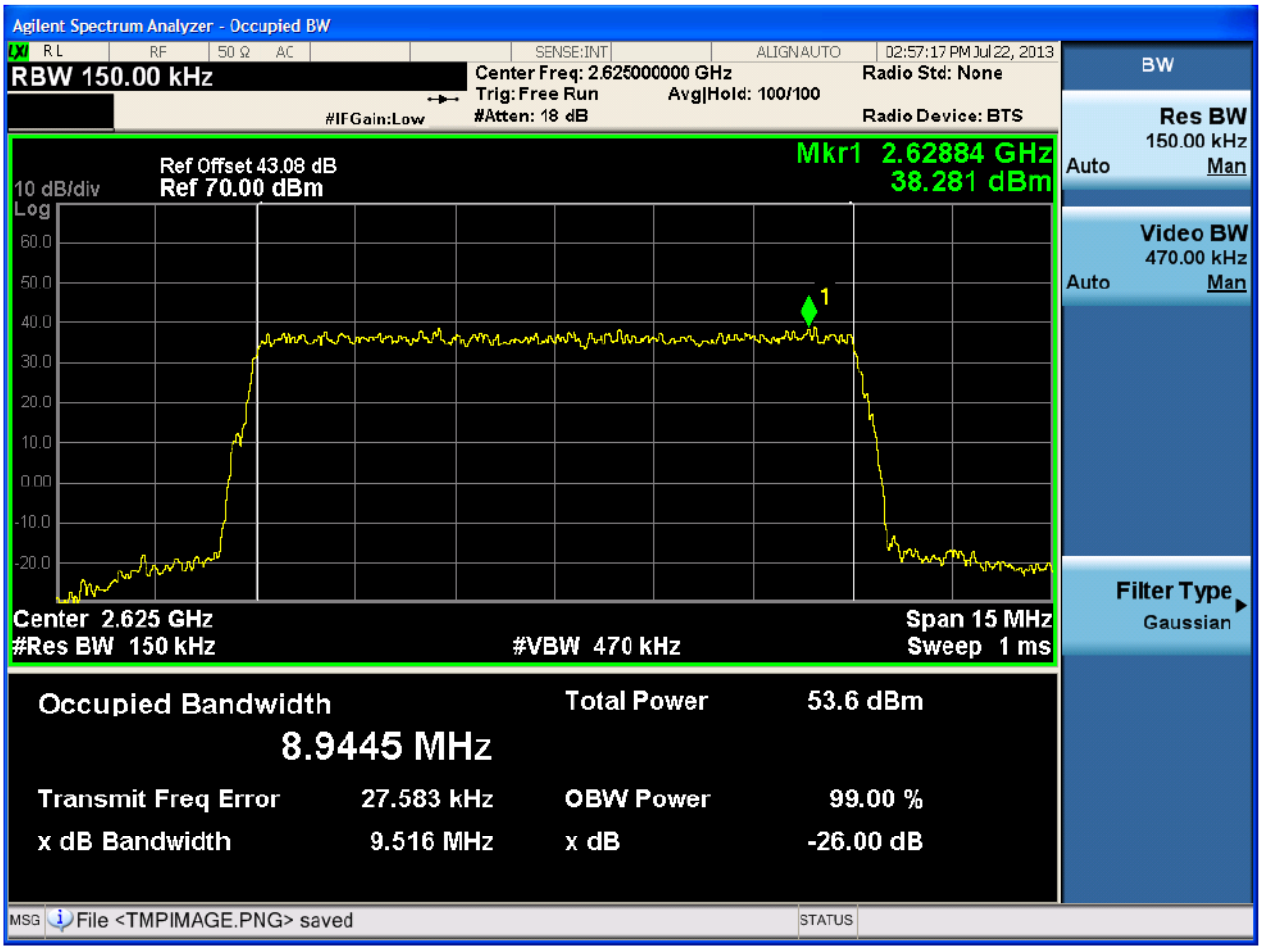
2.1.7 TX_1L_10M_B_TM1_ANTA



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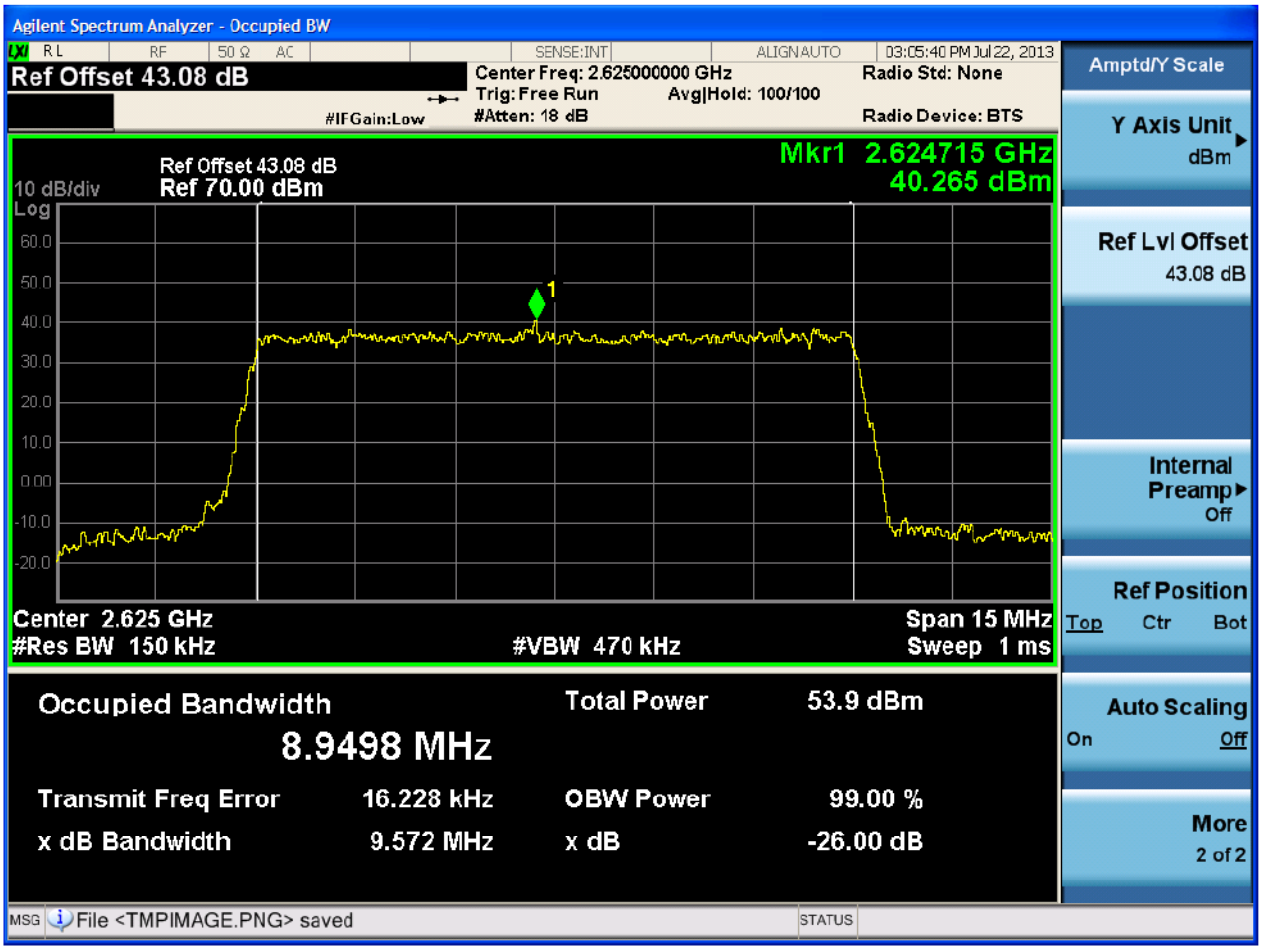
2.1.8 TX_1L_10M_B_TM1_ANTB



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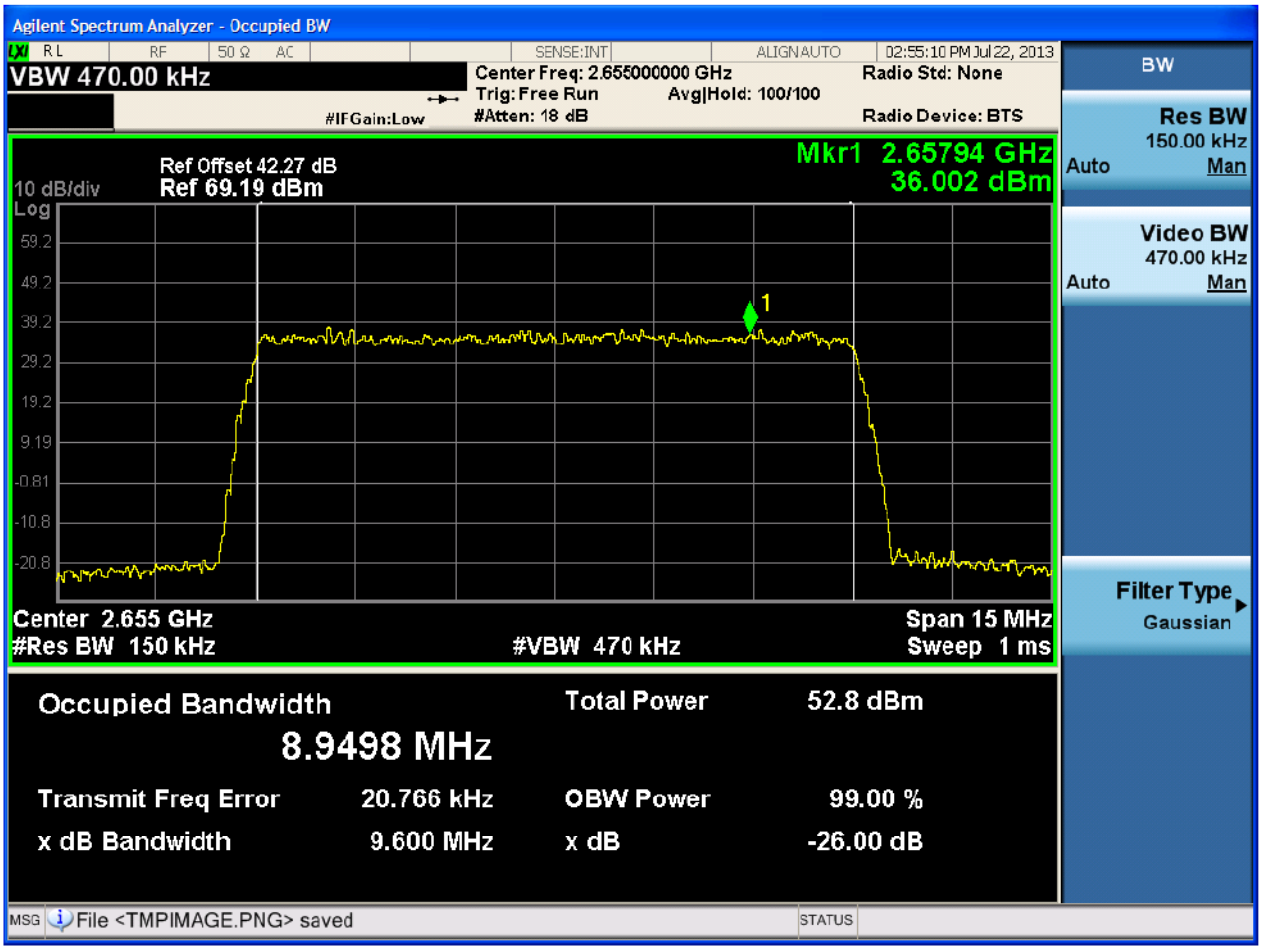
2.1.9 TX_1L_10M_M_TM1_ANTA



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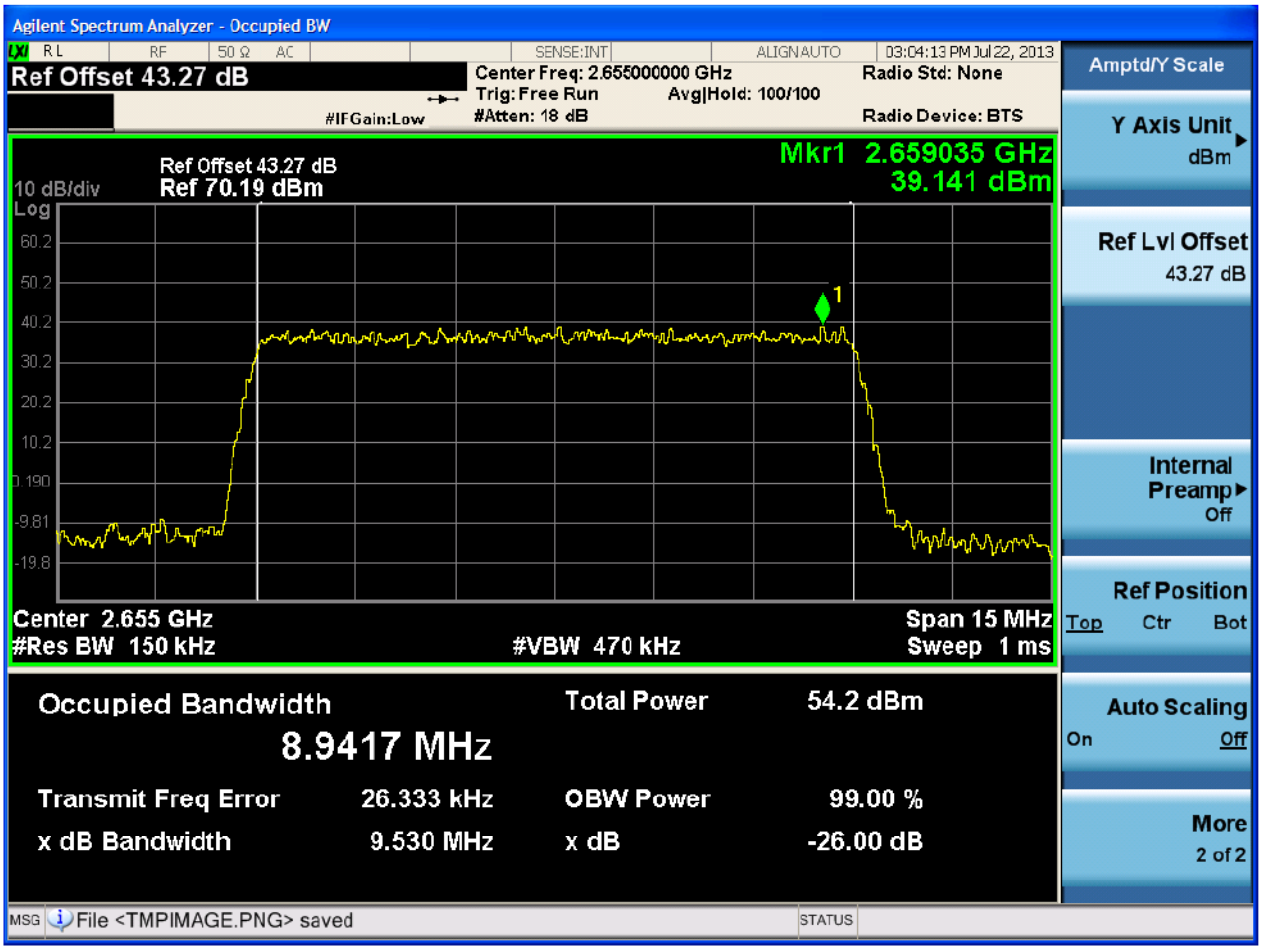
2.1.10 TX_1L_10M_M_TM1_ANTB



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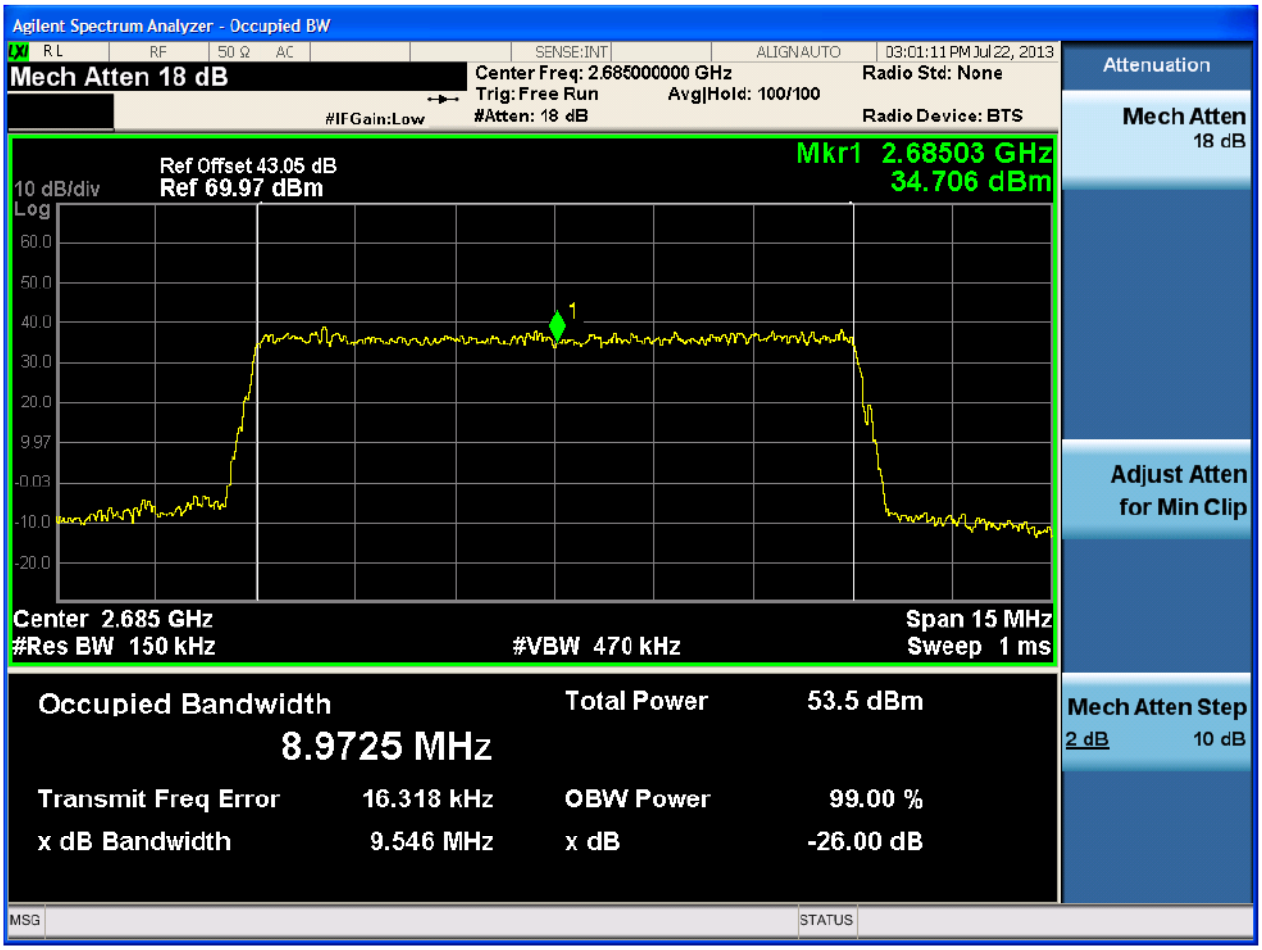
2.1.11 TX_1L_10M_T_TM1_ANTA



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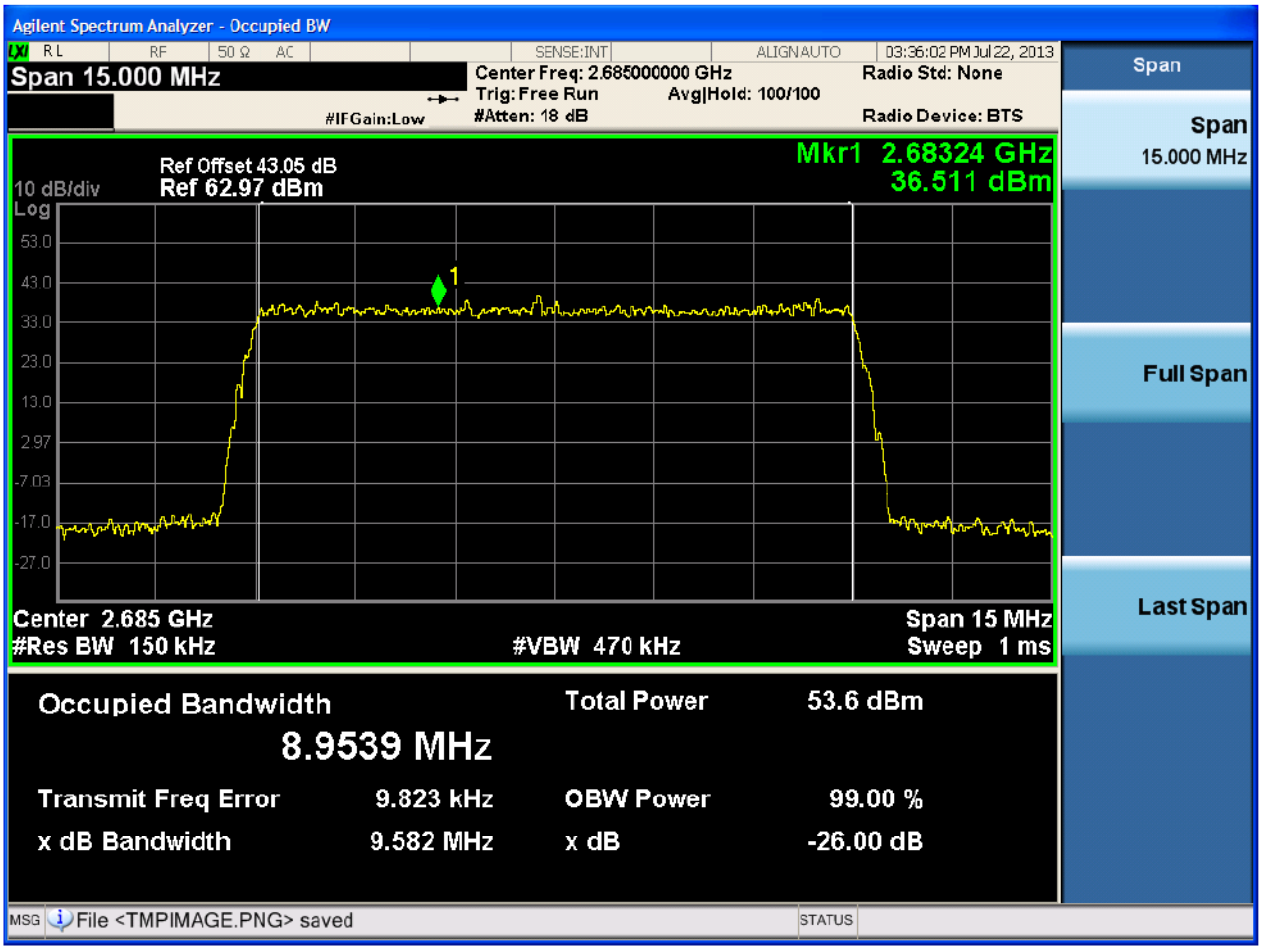
2.1.12 TX_1L_10M_T_TM1_ANTB



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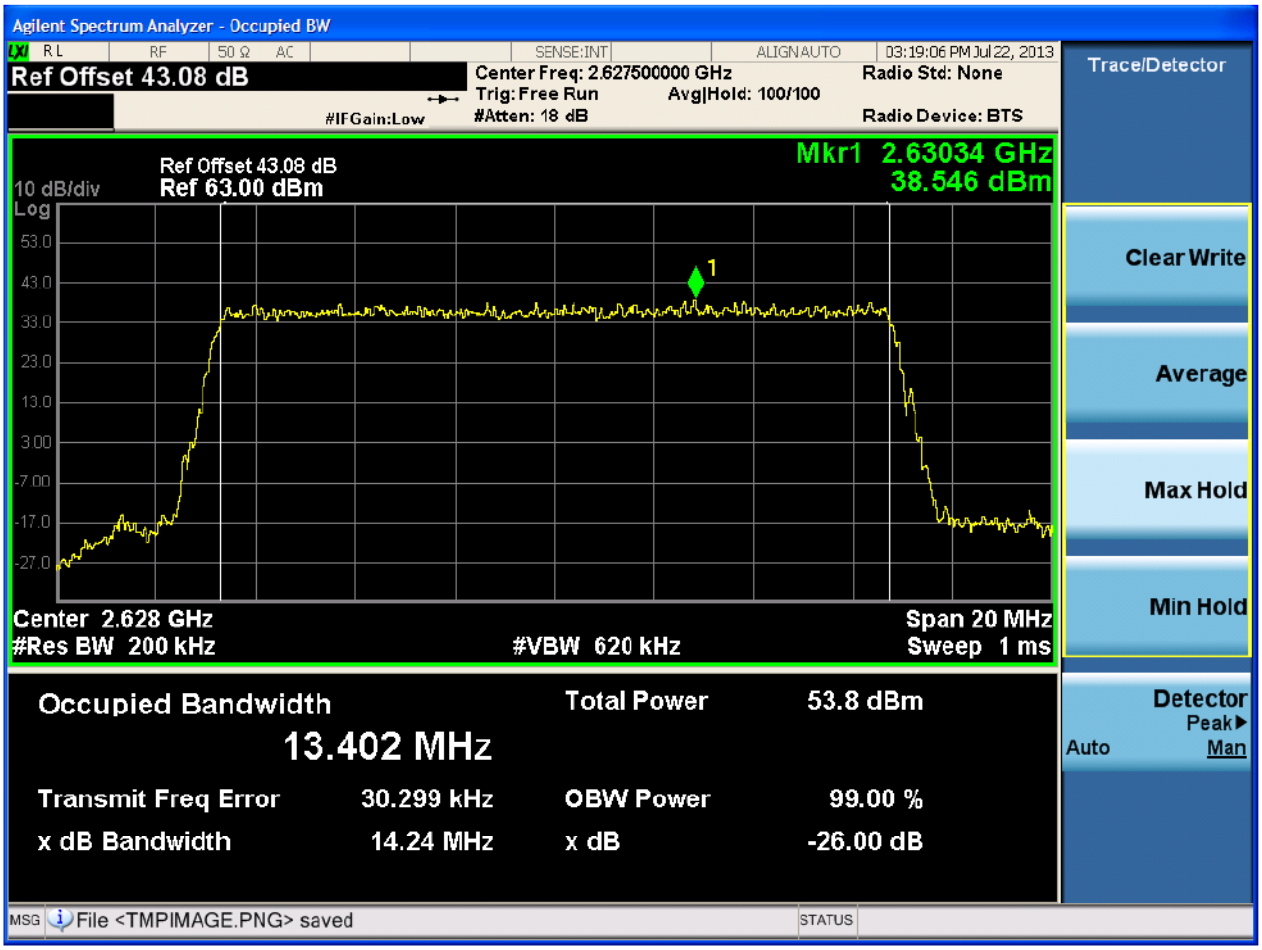
2.1.13 TX_1L_15M_B_TM1_ANTA



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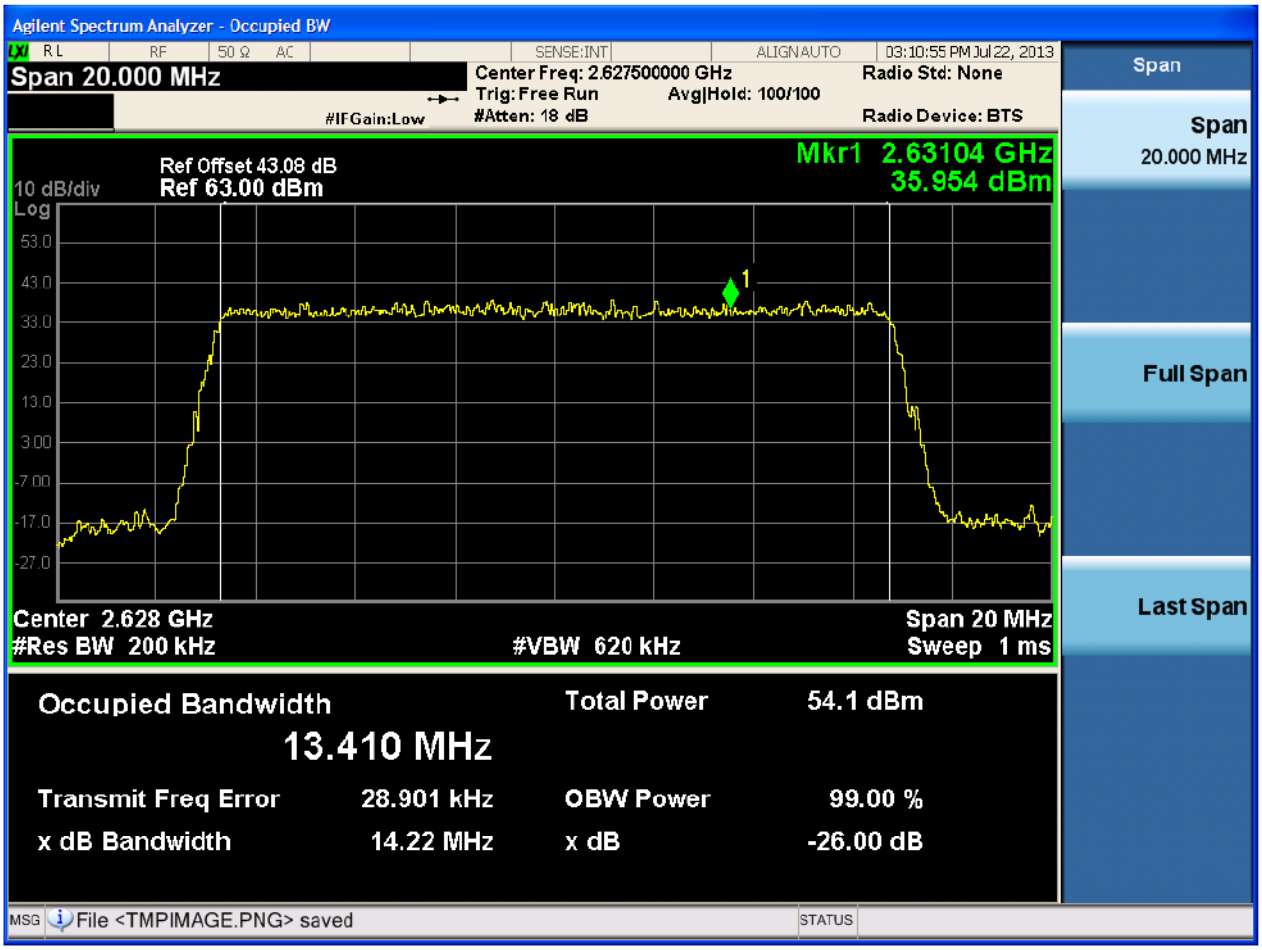
2.1.14 TX_1L_15M_B_TM1_ANTB



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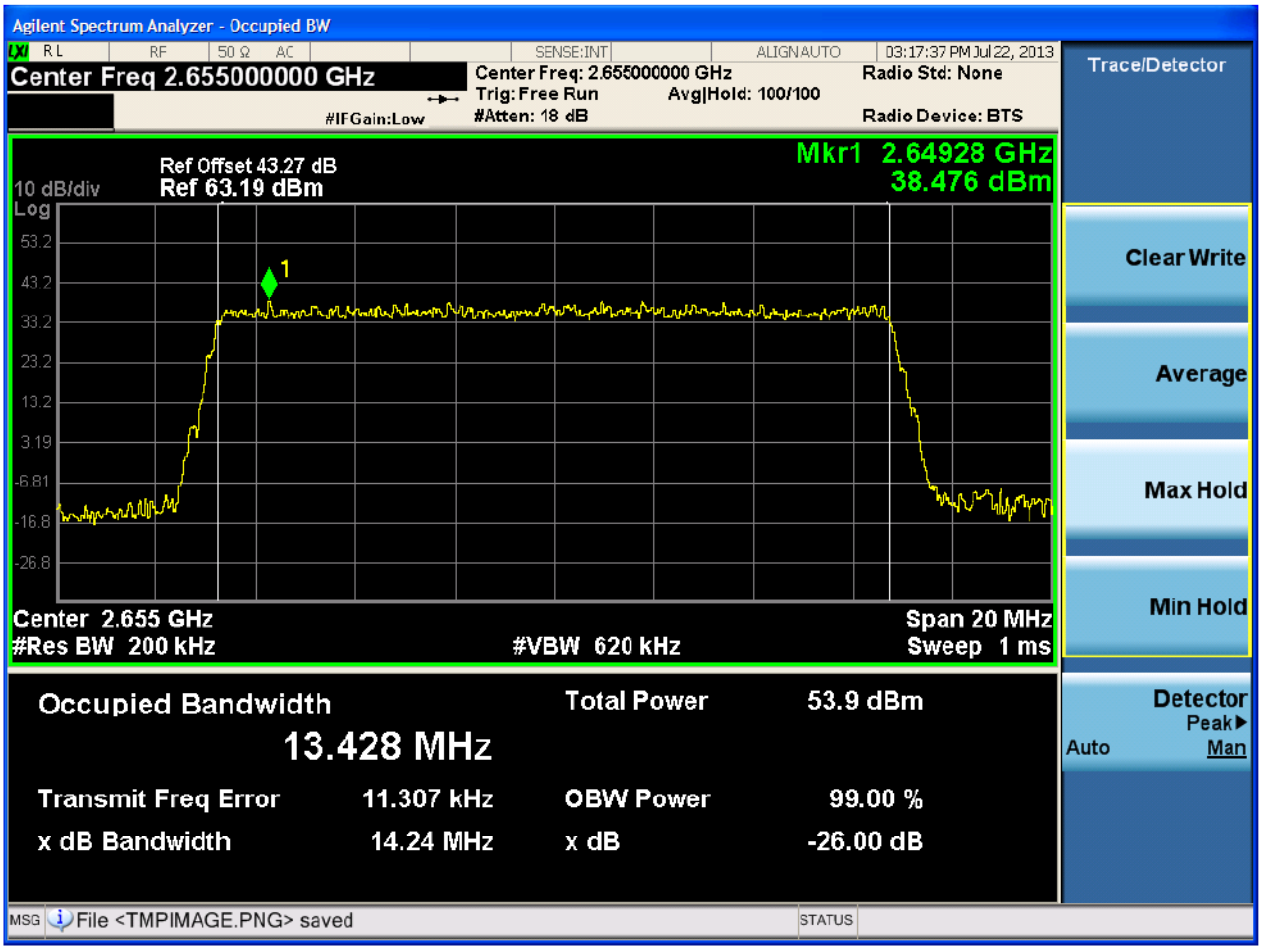
2.1.15 TX_1L_15M_M_TM1_ANTA



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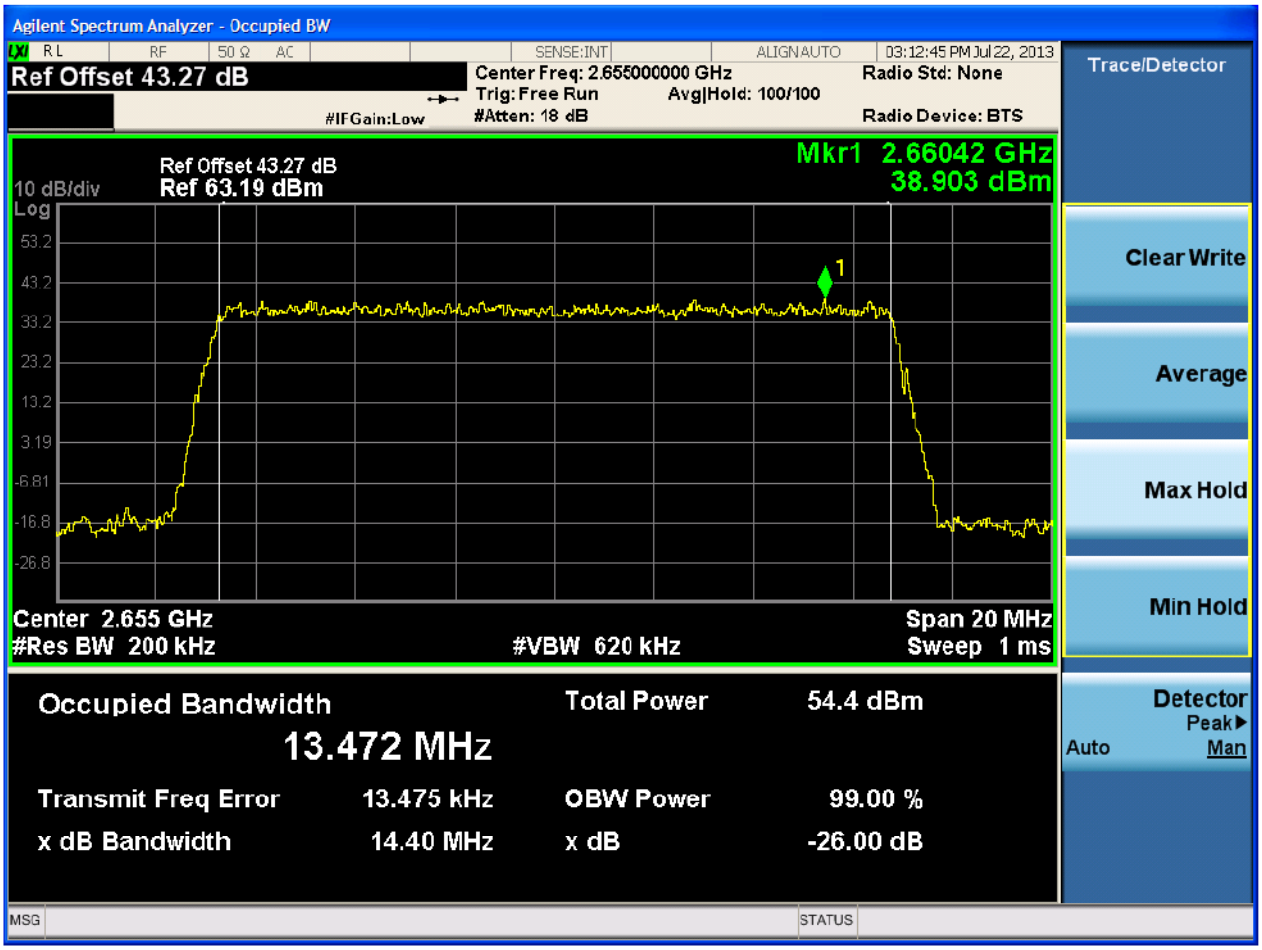
2.1.16 TX_1L_15M_M_TM1_ANTB



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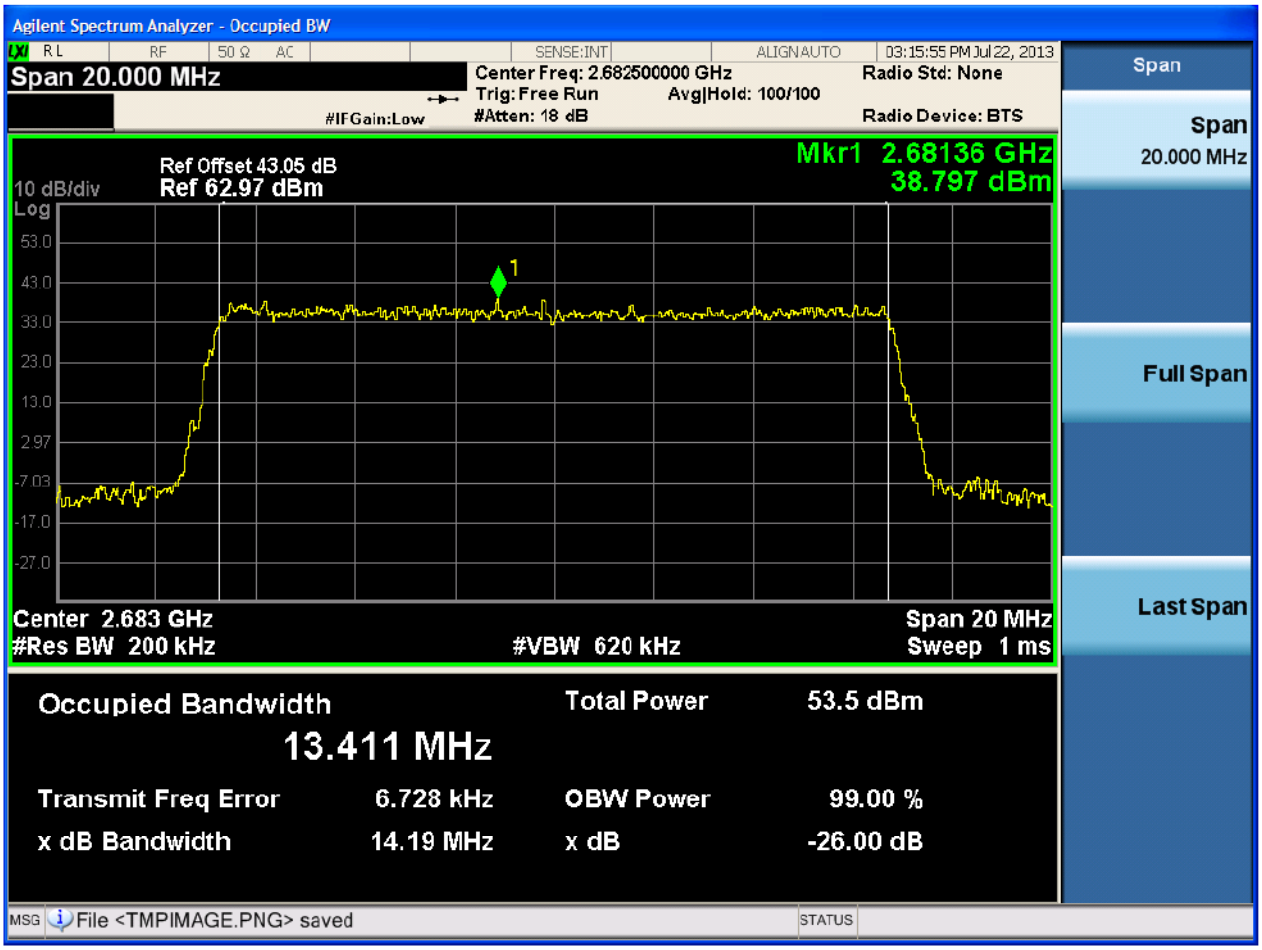
2.1.17 TX_1L_15M_T_TM1_ANTA



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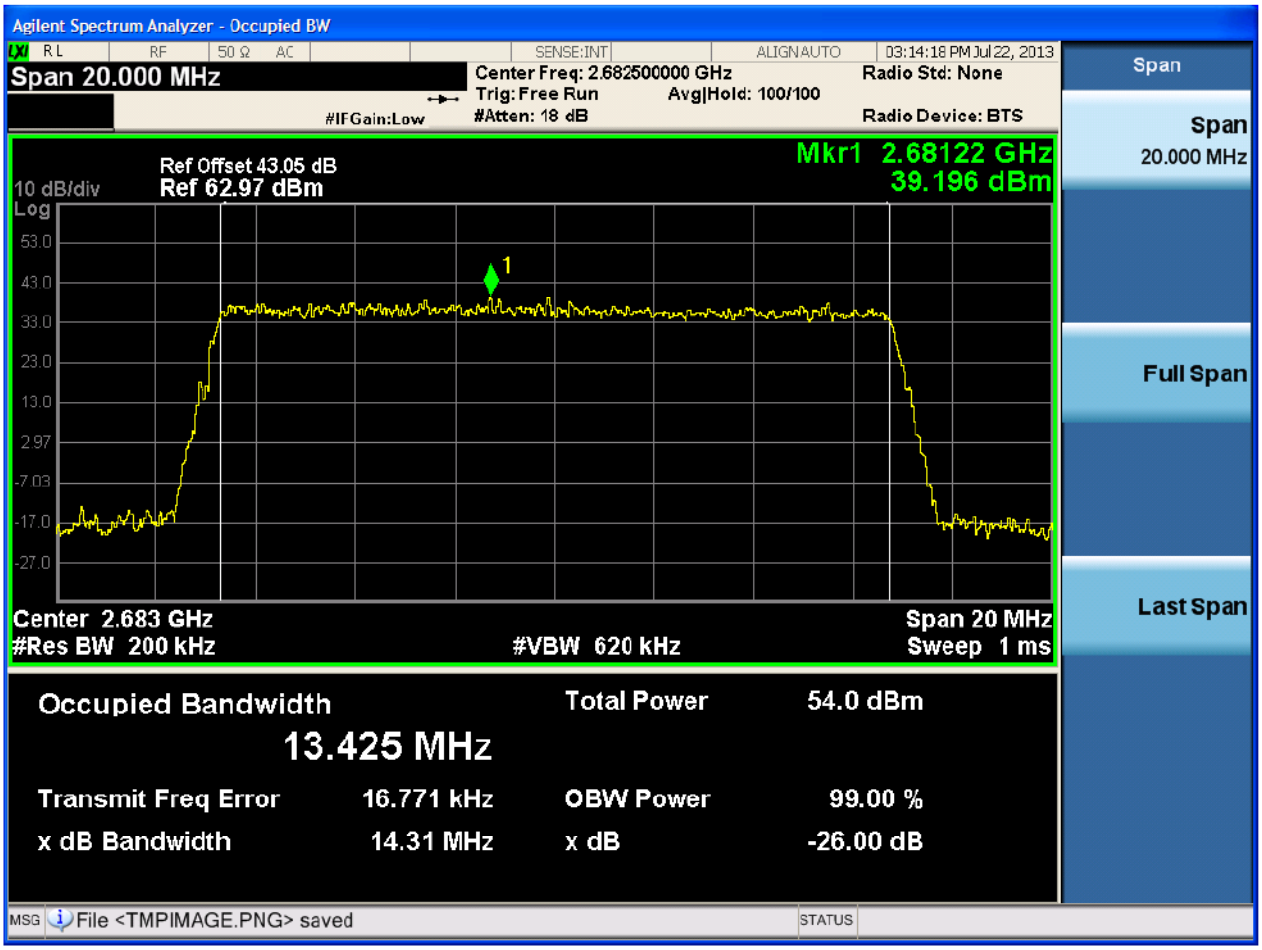
2.1.18 TX_1L_15M_T_TM1_ANTB



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