

Appendix Test Data for LTE band 41(Conducted Measurement)

Product Name: GM-168

Trade Mark: /

Test Model: GM-168

FCC ID: 2BOH3-GM-168

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: RF output power

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
41	5	2498.5	QPSK	25	LOW	19.62	25.45	5.83	13	0.47	20.09	33	Pass
41	5	2498.5	QPSK	12	LOW	19.59	24.94	5.35	13	0.47	20.06	33	Pass
41	5	2498.5	QPSK	12	MID	19.63	24.98	5.35	13	0.47	20.10	33	Pass
41	5	2498.5	QPSK	12	HIGH	19.62	25.08	5.46	13	0.47	20.09	33	Pass
41	5	2498.5	QPSK	1	LOW	20.91	25.07	4.16	13	0.47	21.38	33	Pass
41	5	2498.5	QPSK	1	MID	20.8	24.88	4.08	13	0.47	21.27	33	Pass
41	5	2498.5	QPSK	1	HIGH	20.89	25.02	4.13	13	0.47	21.36	33	Pass
41	5	2498.5	16QAM	25	LOW	18.7	25.04	6.34	13	0.47	19.17	33	Pass
41	5	2498.5	16QAM	12	LOW	18.73	25.22	6.49	13	0.47	19.2	33	Pass
41	5	2498.5	16QAM	12	MID	18.73	25.2	6.47	13	0.47	19.2	33	Pass
41	5	2498.5	16QAM	12	HIGH	18.74	25.28	6.54	13	0.47	19.21	33	Pass
41	5	2498.5	16QAM	1	LOW	19.89	24.84	4.95	13	0.47	20.36	33	Pass
41	5	2498.5	16QAM	1	MID	19.82	24.66	4.84	13	0.47	20.29	33	Pass
41	5	2498.5	16QAM	1	HIGH	19.87	24.85	4.98	13	0.47	20.34	33	Pass
41	5	2593	QPSK	25	LOW	19.96	25.65	5.69	13	0.47	20.43	33	Pass
41	5	2593	QPSK	12	LOW	19.91	25.03	5.12	13	0.47	20.38	33	Pass
41	5	2593	QPSK	12	MID	19.91	25.02	5.11	13	0.47	20.38	33	Pass
41	5	2593	QPSK	12	HIGH	19.92	25	5.08	13	0.47	20.39	33	Pass
41	5	2593	QPSK	1	LOW	21.09	25.19	4.10	13	0.47	21.56	33	Pass
41	5	2593	QPSK	1	MID	21.04	25.02	3.98	13	0.47	21.51	33	Pass
41	5	2593	QPSK	1	HIGH	21.06	25.03	3.97	13	0.47	21.53	33	Pass
41	5	2593	16QAM	25	LOW	19.09	25.71	6.62	13	0.47	19.56	33	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
41	5	2593	16QAM	12	LOW	19.03	25.02	5.99	13	0.47	19.5	33	Pass
41	5	2593	16QAM	12	MID	19.02	25.02	6	13	0.47	19.49	33	Pass
41	5	2593	16QAM	12	HIGH	19	24.89	5.89	13	0.47	19.47	33	Pass
41	5	2593	16QAM	1	LOW	20.29	24.53	4.24	13	0.47	20.76	33	Pass
41	5	2593	16QAM	1	MID	20.15	24.27	4.12	13	0.47	20.62	33	Pass
41	5	2593	16QAM	1	HIGH	20.23	24.47	4.24	13	0.47	20.7	33	Pass
41	5	2687.5	QPSK	25	LOW	19.18	24.54	5.36	13	0.47	19.65	33	Pass
41	5	2687.5	QPSK	12	LOW	19.17	24.96	5.79	13	0.47	19.64	33	Pass
41	5	2687.5	QPSK	12	MID	19.17	25.09	5.92	13	0.47	19.64	33	Pass
41	5	2687.5	QPSK	12	HIGH	19.22	25.47	6.25	13	0.47	19.69	33	Pass
41	5	2687.5	QPSK	1	LOW	20.41	24.97	4.56	13	0.47	20.88	33	Pass
41	5	2687.5	QPSK	1	MID	20.47	24.5	4.03	13	0.47	20.94	33	Pass
41	5	2687.5	QPSK	1	HIGH	20.49	24.79	4.30	13	0.47	20.96	33	Pass
41	5	2687.5	16QAM	25	LOW	18.34	24.43	6.09	13	0.47	18.81	33	Pass
41	5	2687.5	16QAM	12	LOW	18.36	24.69	6.33	13	0.47	18.83	33	Pass
41	5	2687.5	16QAM	12	MID	18.37	24.6	6.23	13	0.47	18.84	33	Pass
41	5	2687.5	16QAM	12	HIGH	18.41	25.33	6.92	13	0.47	18.88	33	Pass
41	5	2687.5	16QAM	1	LOW	19.75	24.96	5.21	13	0.47	20.22	33	Pass
41	5	2687.5	16QAM	1	MID	19.52	24.56	5.04	13	0.47	19.99	33	Pass
41	5	2687.5	16QAM	1	HIGH	19.81	25.08	5.27	13	0.47	20.28	33	Pass
41	10	2501	QPSK	50	LOW	19.51	25.52	6.01	13	0.47	19.98	33	Pass
41	10	2501	QPSK	25	LOW	19.48	25.17	5.69	13	0.47	19.95	33	Pass
41	10	2501	QPSK	25	MID	19.49	25.11	5.62	13	0.47	19.96	33	Pass
41	10	2501	QPSK	25	HIGH	19.51	25.13	5.62	13	0.47	19.98	33	Pass
41	10	2501	QPSK	1	LOW	20.96	25.08	4.12	13	0.47	21.43	33	Pass
41	10	2501	QPSK	1	MID	20.74	24.81	4.07	13	0.47	21.21	33	Pass
41	10	2501	QPSK	1	HIGH	20.99	25.07	4.08	13	0.47	21.46	33	Pass
41	10	2501	16QAM	25	LOW	18.71	25.12	6.41	13	0.47	19.18	33	Pass
41	10	2501	16QAM	25	MID	18.73	25.13	6.40	13	0.47	19.2	33	Pass
41	10	2501	16QAM	25	HIGH	18.69	25.24	6.55	13	0.47	19.16	33	Pass
41	10	2501	16QAM	1	LOW	20.04	24.83	4.79	13	0.47	20.51	33	Pass
41	10	2501	16QAM	1	MID	19.75	24.5	4.75	13	0.47	20.22	33	Pass
41	10	2501	16QAM	1	HIGH	20.06	24.81	4.75	13	0.47	20.53	33	Pass
41	10	2593	QPSK	50	LOW	19.89	25.53	5.64	13	0.47	20.36	33	Pass
41	10	2593	QPSK	25	LOW	19.95	25.29	5.34	13	0.47	20.42	33	Pass
41	10	2593	QPSK	25	MID	19.94	25.25	5.31	13	0.47	20.41	33	Pass
41	10	2593	QPSK	25	HIGH	19.88	25.19	5.31	13	0.47	20.35	33	Pass
41	10	2593	QPSK	1	LOW	21.2	25.64	4.44	13	0.47	21.67	33	Pass
41	10	2593	QPSK	1	MID	21.07	25.36	4.29	13	0.47	21.54	33	Pass
41	10	2593	QPSK	1	HIGH	21.14	25.47	4.33	13	0.47	21.61	33	Pass
41	10	2593	16QAM	25	LOW	19.04	25.6	6.56	13	0.47	19.51	33	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
41	10	2593	16QAM	25	MID	19.05	25.62	6.57	13	0.47	19.52	33	Pass
41	10	2593	16QAM	25	HIGH	19.07	25.62	6.55	13	0.47	19.54	33	Pass
41	10	2593	16QAM	1	LOW	20.46	25.25	4.79	13	0.47	20.93	33	Pass
41	10	2593	16QAM	1	MID	20.13	24.78	4.65	13	0.47	20.60	33	Pass
41	10	2593	16QAM	1	HIGH	20.32	25.04	4.72	13	0.47	20.79	33	Pass
41	10	2685	QPSK	50	LOW	19.16	24.74	5.58	13	0.47	19.63	33	Pass
41	10	2685	QPSK	25	LOW	19.51	25.32	5.81	13	0.47	19.98	33	Pass
41	10	2685	QPSK	25	MID	19.51	25.31	5.80	13	0.47	19.98	33	Pass
41	10	2685	QPSK	25	HIGH	19.16	25.41	6.25	13	0.47	19.63	33	Pass
41	10	2685	QPSK	1	LOW	20.59	24.85	4.26	13	0.47	21.06	33	Pass
41	10	2685	QPSK	1	MID	20.44	24.51	4.07	13	0.47	20.91	33	Pass
41	10	2685	QPSK	1	HIGH	20.6	24.7	4.10	13	0.47	21.07	33	Pass
41	10	2685	16QAM	25	LOW	18.12	24.53	6.41	13	0.47	18.59	33	Pass
41	10	2685	16QAM	25	MID	18.13	24.56	6.43	13	0.47	18.60	33	Pass
41	10	2685	16QAM	25	HIGH	18.27	25.44	7.17	13	0.47	18.74	33	Pass
41	10	2685	16QAM	1	LOW	19.99	24.98	4.99	13	0.47	20.46	33	Pass
41	10	2685	16QAM	1	MID	19.49	24.58	5.09	13	0.47	19.96	33	Pass
41	10	2685	16QAM	1	HIGH	19.91	24.79	4.88	13	0.47	20.38	33	Pass
41	15	2503.5	QPSK	75	LOW	19.7	25.65	5.95	13	0.47	20.17	33	Pass
41	15	2503.5	QPSK	38	LOW	19.69	25.83	6.14	13	0.47	20.16	33	Pass
41	15	2503.5	QPSK	38	MID	19.7	25.7	6	13	0.47	20.17	33	Pass
41	15	2503.5	QPSK	38	HIGH	19.69	25.91	6.22	13	0.47	20.16	33	Pass
41	15	2503.5	QPSK	1	LOW	20.99	25.05	4.06	13	0.47	21.46	33	Pass
41	15	2503.5	QPSK	1	MID	20.89	24.89	4	13	0.47	21.36	33	Pass
41	15	2503.5	QPSK	1	HIGH	21.06	25.1	4.04	13	0.47	21.53	33	Pass
41	15	2503.5	16QAM	1	LOW	19.96	24.74	4.78	13	0.47	20.43	33	Pass
41	15	2503.5	16QAM	1	MID	19.88	24.58	4.70	13	0.47	20.35	33	Pass
41	15	2503.5	16QAM	1	HIGH	20.07	24.79	4.72	13	0.47	20.54	33	Pass
41	15	2593	QPSK	75	LOW	20.08	26.14	6.06	13	0.47	20.55	33	Pass
41	15	2593	QPSK	38	LOW	20.07	26.28	6.21	13	0.47	20.54	33	Pass
41	15	2593	QPSK	38	MID	20.07	26.3	6.23	13	0.47	20.54	33	Pass
41	15	2593	QPSK	38	HIGH	20.07	26.22	6.15	13	0.47	20.54	33	Pass
41	15	2593	QPSK	1	LOW	21.24	25.67	4.43	13	0.47	21.71	33	Pass
41	15	2593	QPSK	1	MID	21.21	25.45	4.24	13	0.47	21.68	33	Pass
41	15	2593	QPSK	1	HIGH	21.17	25.47	4.30	13	0.47	21.64	33	Pass
41	15	2593	16QAM	1	LOW	20.44	25.25	4.81	13	0.47	20.91	33	Pass
41	15	2593	16QAM	1	MID	20.26	24.95	4.69	13	0.47	20.73	33	Pass
41	15	2593	16QAM	1	HIGH	20.32	25.05	4.73	13	0.47	20.79	33	Pass
41	15	2682.5	QPSK	75	LOW	19.58	25.01	5.43	13	0.47	20.05	33	Pass
41	15	2682.5	QPSK	38	LOW	19.58	25.04	5.46	13	0.47	20.05	33	Pass
41	15	2682.5	QPSK	38	MID	19.58	25.02	5.44	13	0.47	20.05	33	Pass

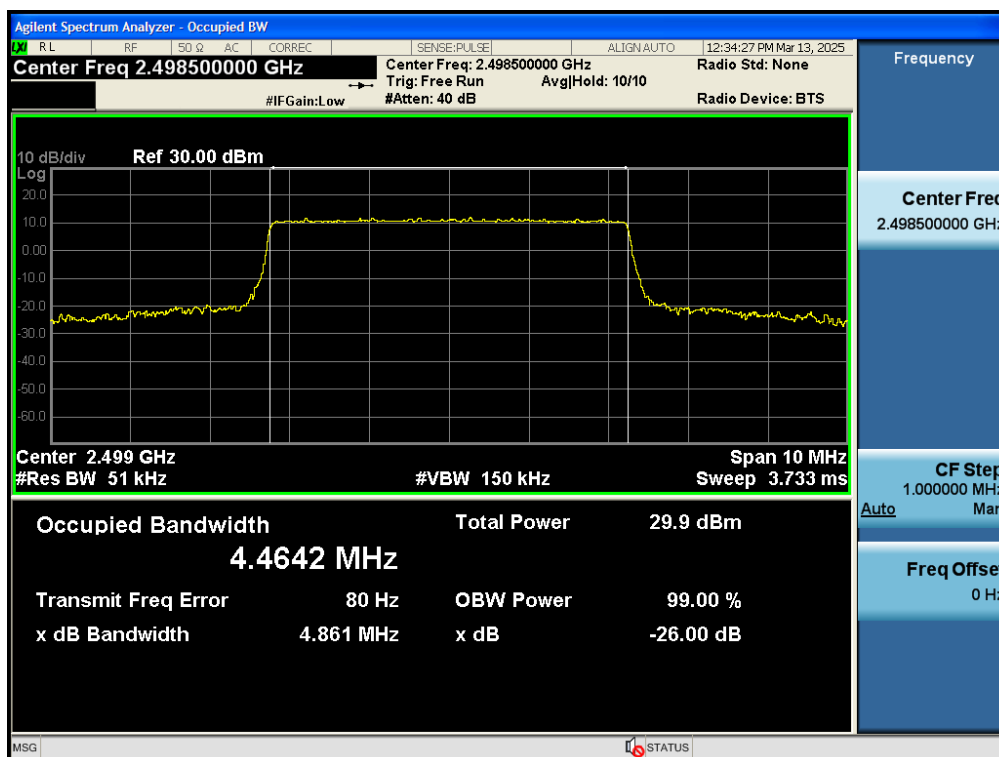
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
41	15	2682.5	QPSK	38	HIGH	19.59	25.03	5.44	13	0.47	20.06	33	Pass
41	15	2682.5	QPSK	1	LOW	20.71	24.86	4.15	13	0.47	21.18	33	Pass
41	15	2682.5	QPSK	1	MID	20.54	24.48	3.94	13	0.47	21.01	33	Pass
41	15	2682.5	QPSK	1	HIGH	20.57	24.63	4.06	13	0.47	21.04	33	Pass
41	15	2682.5	16QAM	1	LOW	20.33	24.97	4.64	13	0.47	20.80	33	Pass
41	15	2682.5	16QAM	1	MID	20.1	24.55	4.45	13	0.47	20.57	33	Pass
41	15	2682.5	16QAM	1	HIGH	20.13	24.73	4.60	13	0.47	20.60	33	Pass
41	20	2506	QPSK	100	LOW	19.63	26.15	6.52	13	0.47	20.10	33	Pass
41	20	2506	QPSK	50	LOW	19.58	25.43	5.85	13	0.47	20.05	33	Pass
41	20	2506	QPSK	50	MID	19.57	25.48	5.91	13	0.47	20.04	33	Pass
41	20	2506	QPSK	50	HIGH	19.72	25.57	5.85	13	0.47	20.19	33	Pass
41	20	2506	QPSK	1	LOW	21.04	25.17	4.13	13	0.47	21.51	33	Pass
41	20	2506	QPSK	1	MID	20.92	25	4.08	13	0.47	21.39	33	Pass
41	20	2506	QPSK	1	HIGH	21.1	25.23	4.13	13	0.47	21.57	33	Pass
41	20	2506	16QAM	1	LOW	19.98	24.97	4.99	13	0.47	20.45	33	Pass
41	20	2506	16QAM	1	MID	19.88	24.81	4.93	13	0.47	20.35	33	Pass
41	20	2506	16QAM	1	HIGH	20.09	25.02	4.93	13	0.47	20.56	33	Pass
41	20	2593	QPSK	100	LOW	20.01	25.8	5.79	13	0.47	20.48	33	Pass
41	20	2593	QPSK	50	LOW	20.05	25.65	5.60	13	0.47	20.52	33	Pass
41	20	2593	QPSK	50	MID	20.04	25.62	5.58	13	0.47	20.51	33	Pass
41	20	2593	QPSK	50	HIGH	20	25.49	5.49	13	0.47	20.47	33	Pass
41	20	2593	QPSK	1	LOW	21.11	25.39	4.28	13	0.47	21.58	33	Pass
41	20	2593	QPSK	1	MID	21.16	25.26	4.10	13	0.47	21.63	33	Pass
41	20	2593	QPSK	1	HIGH	21.06	25.18	4.12	13	0.47	21.53	33	Pass
41	20	2593	16QAM	1	LOW	20.55	25.51	4.96	13	0.47	21.02	33	Pass
41	20	2593	16QAM	1	MID	20.38	25.19	4.81	13	0.47	20.85	33	Pass
41	20	2593	16QAM	1	HIGH	20.39	25.19	4.80	13	0.47	20.86	33	Pass
41	20	2680	QPSK	100	LOW	19.65	25.17	5.52	13	0.47	20.12	33	Pass
41	20	2680	QPSK	50	LOW	19.78	25.41	5.63	13	0.47	20.25	33	Pass
41	20	2680	QPSK	50	MID	19.77	25.43	5.66	13	0.47	20.24	33	Pass
41	20	2680	QPSK	50	HIGH	19.46	25.58	6.12	13	0.47	19.93	33	Pass
41	20	2680	QPSK	1	LOW	20.58	24.88	4.30	13	0.47	21.05	33	Pass
41	20	2680	QPSK	1	MID	20.65	24.57	3.92	13	0.47	21.12	33	Pass
41	20	2680	QPSK	1	HIGH	20.55	24.63	4.08	13	0.47	21.02	33	Pass
41	20	2680	16QAM	1	LOW	20.09	24.92	4.83	13	0.47	20.56	33	Pass
41	20	2680	16QAM	1	MID	19.94	24.59	4.65	13	0.47	20.41	33	Pass
41	20	2680	16QAM	1	HIGH	19.82	24.66	4.84	13	0.47	20.29	33	Pass

Appendix B: Occupied bandwidth

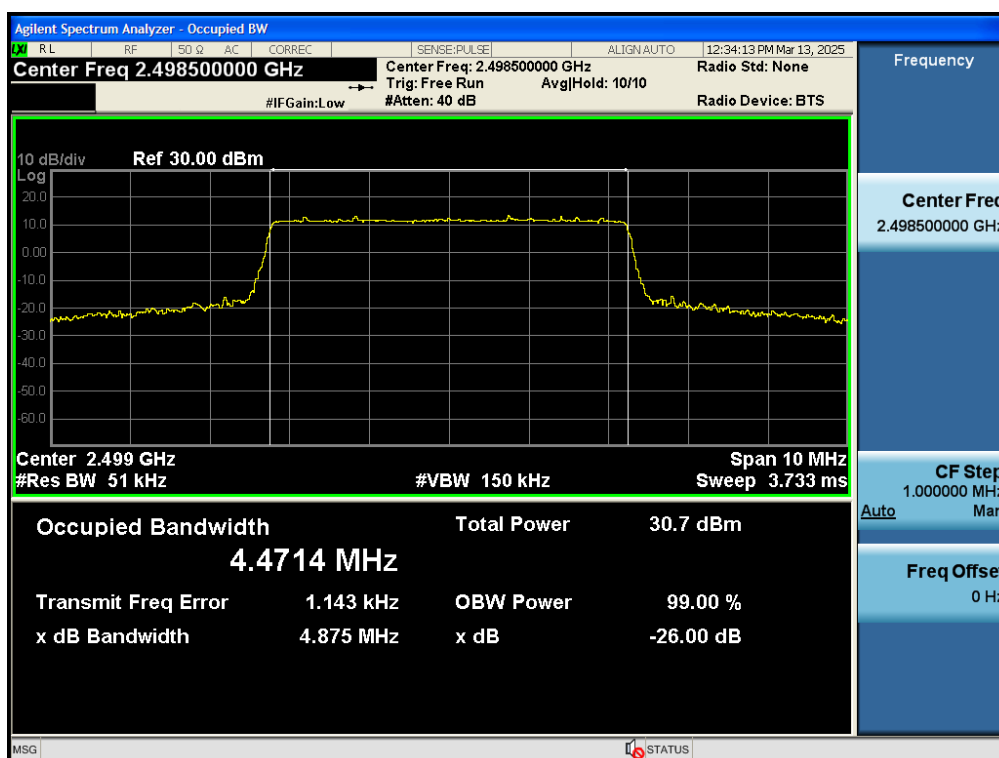
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
41	5	2498.5	QPSK	25	LOW	4.471	4.875	No limit
41	5	2498.5	16QAM	25	LOW	4.464	4.861	No limit
41	5	2593	QPSK	25	LOW	4.487	4.844	No limit
41	5	2593	16QAM	25	LOW	4.469	4.86	No limit
41	5	2687.5	QPSK	25	LOW	4.478	4.873	No limit
41	5	2687.5	16QAM	25	LOW	4.471	4.893	No limit
41	10	2501	QPSK	50	LOW	8.951	9.839	No limit
41	10	2593	QPSK	50	LOW	8.951	9.696	No limit
41	10	2685	QPSK	50	LOW	8.955	9.631	No limit
41	15	2503.5	QPSK	75	LOW	13.414	14.507	No limit
41	15	2593	QPSK	75	LOW	13.416	14.32	No limit
41	15	2682.5	QPSK	75	LOW	13.419	17.796	No limit
41	20	2506	QPSK	100	LOW	17.892	18.8	No limit
41	20	2593	QPSK	100	LOW	17.882	18.795	No limit
41	20	2680	QPSK	100	LOW	17.914	19.695	No limit

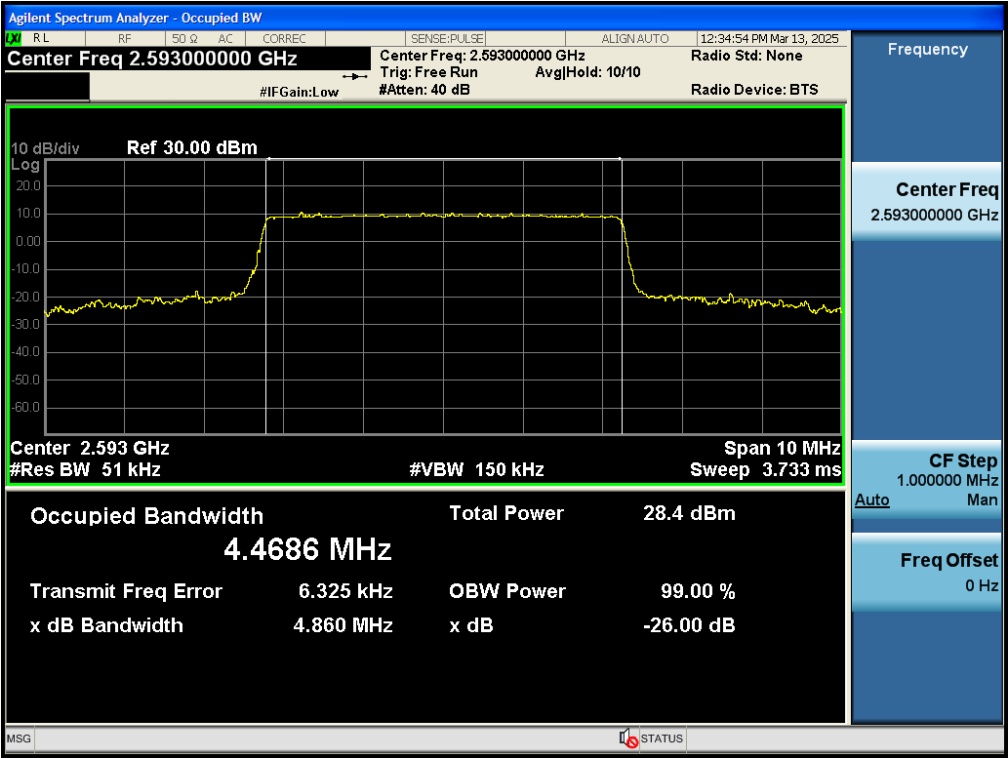
Test Graphs



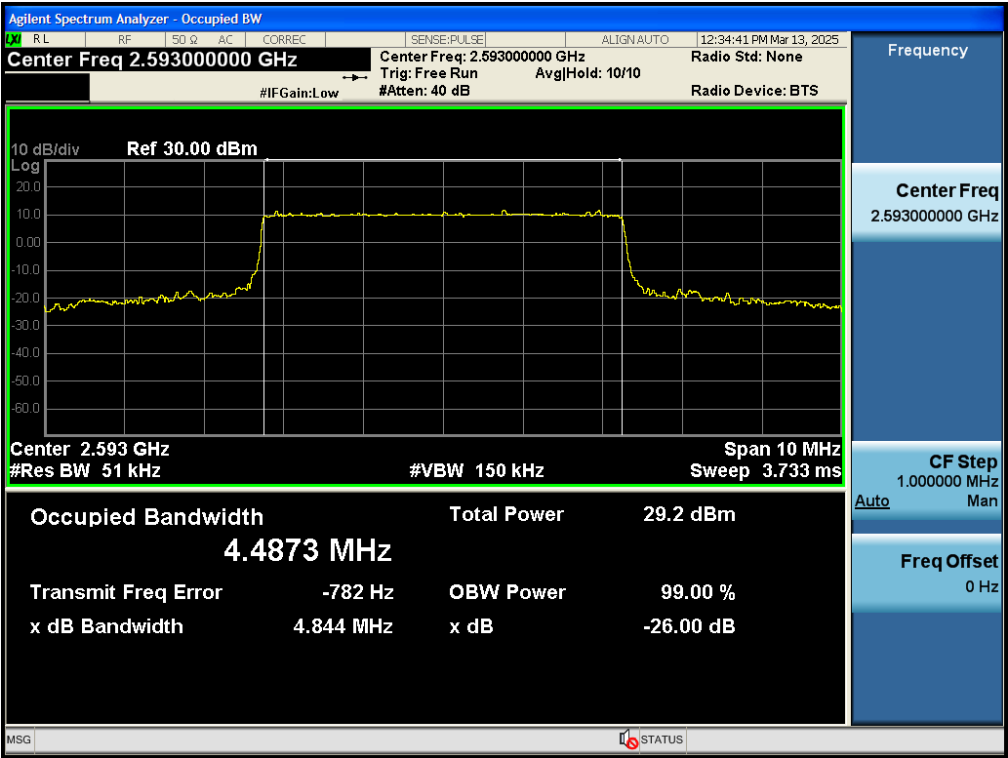
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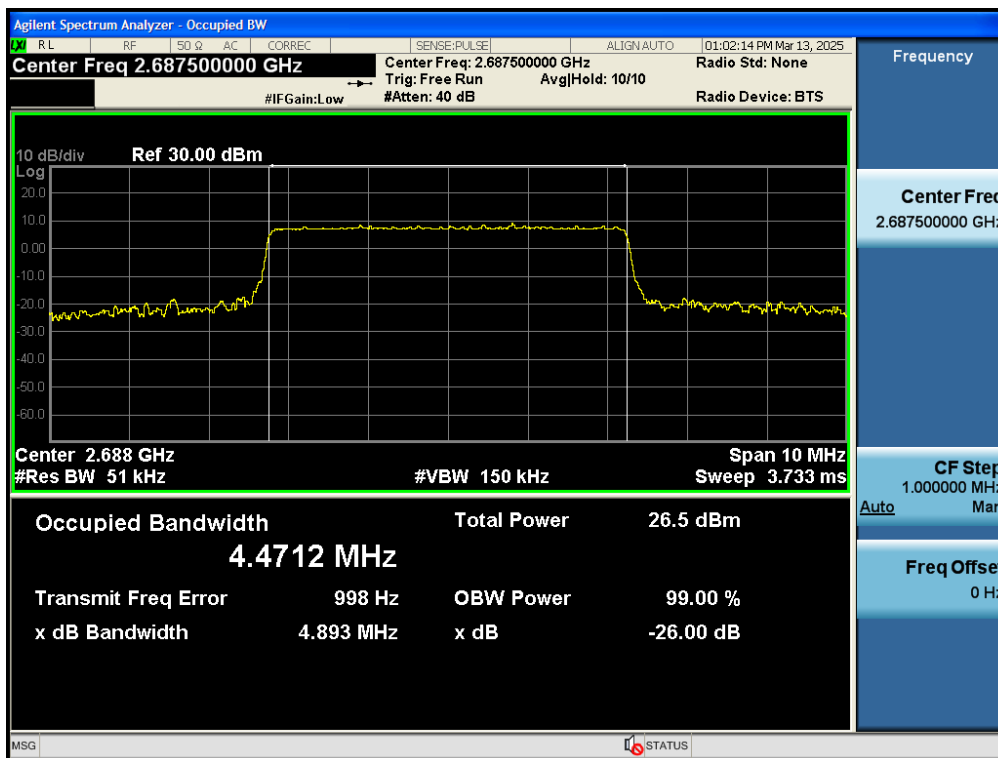
Test_Graph_band41_2498.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



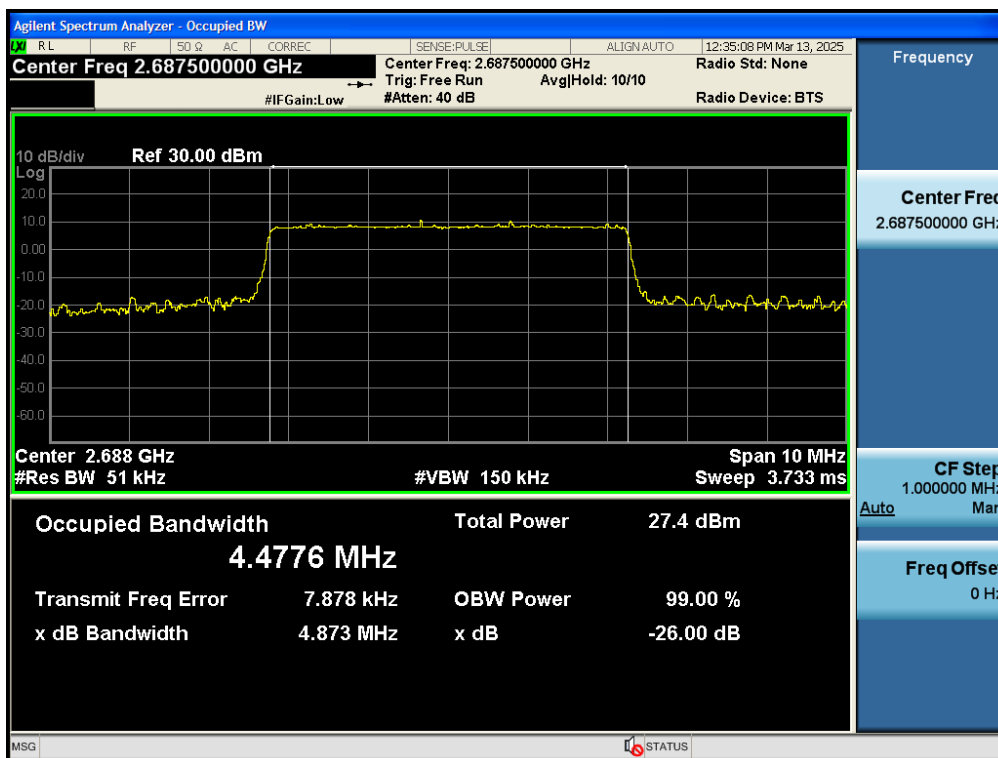
Test_Graph_band41_2593MHz_5M_16QAM_25RB#LOW_OBW&EBW



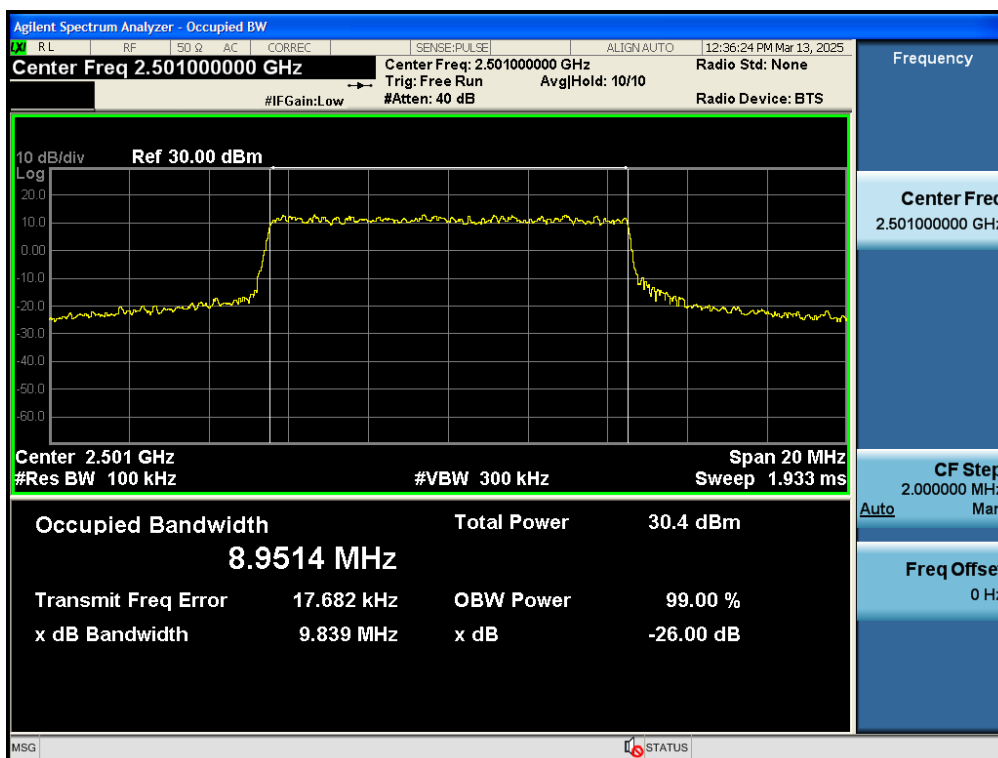
Test_Graph_band41_2593MHz_5M_QPSK_25RB#LOW_OBW&EBW



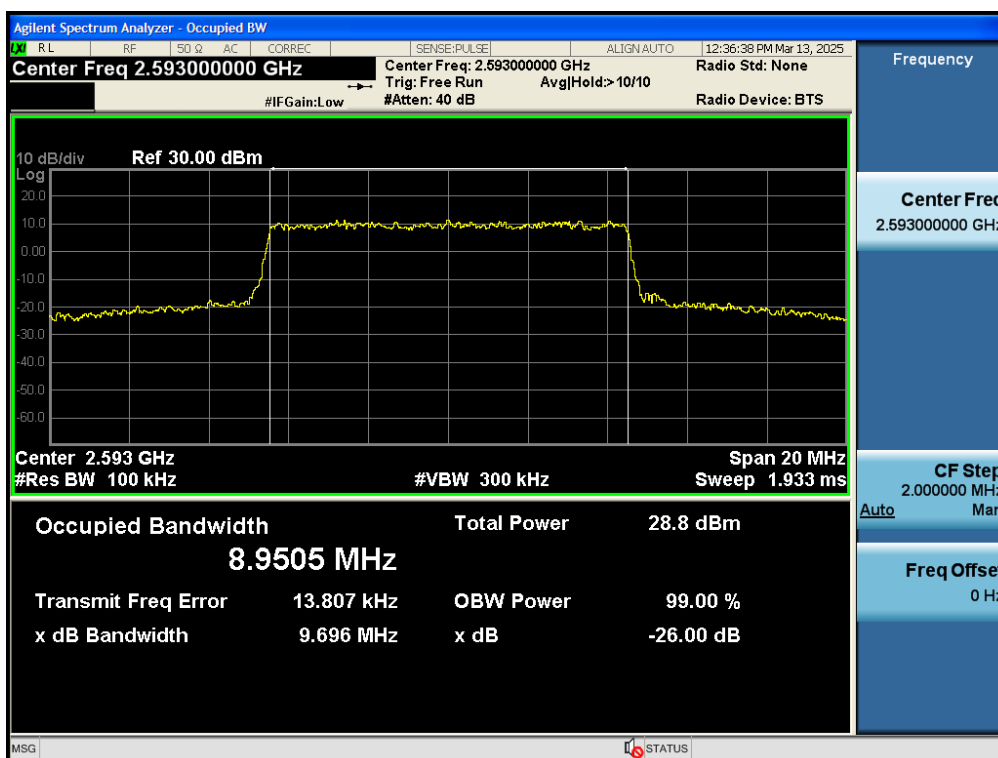
Test_Graph_band41_2687.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



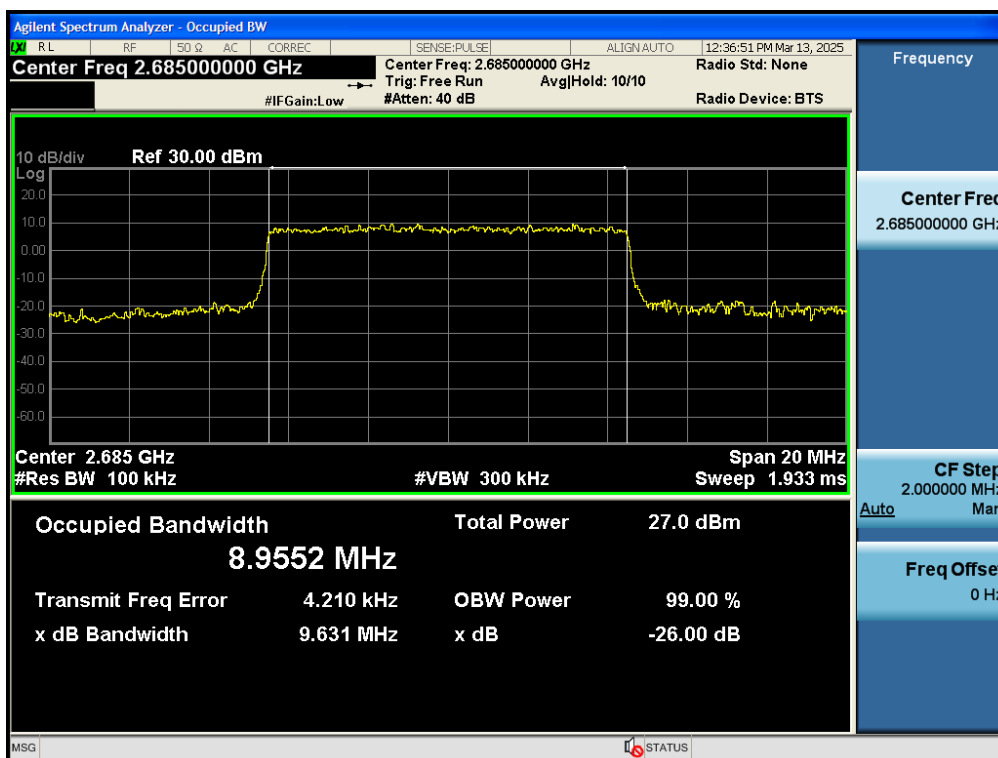
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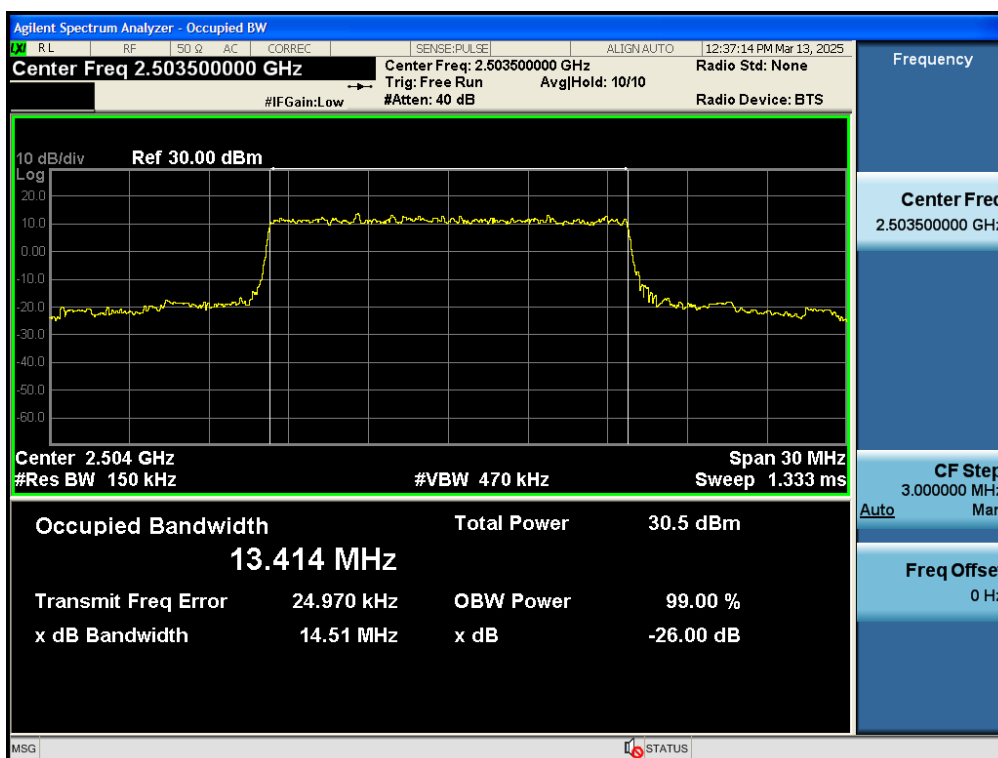
Test_Graph_band41_2501MHz_10M_QPSK_50RB#LOW_OBW&EBW



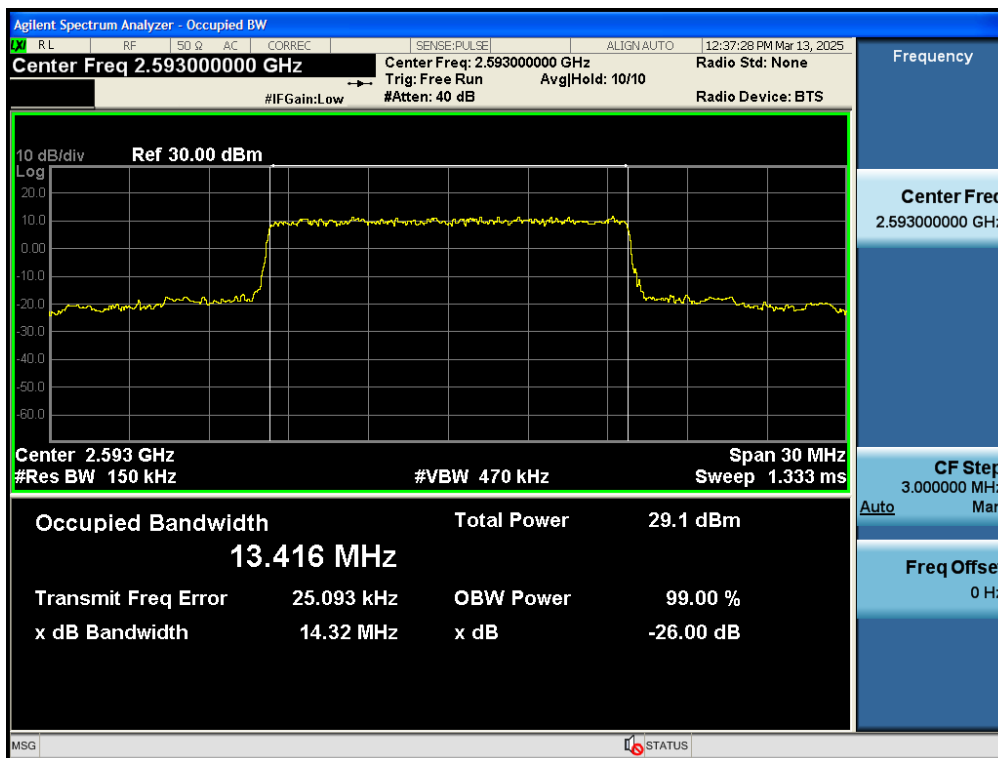
Test_Graph_band41_2593MHz_10M_QPSK_50RB#LOW_OBW&EBW



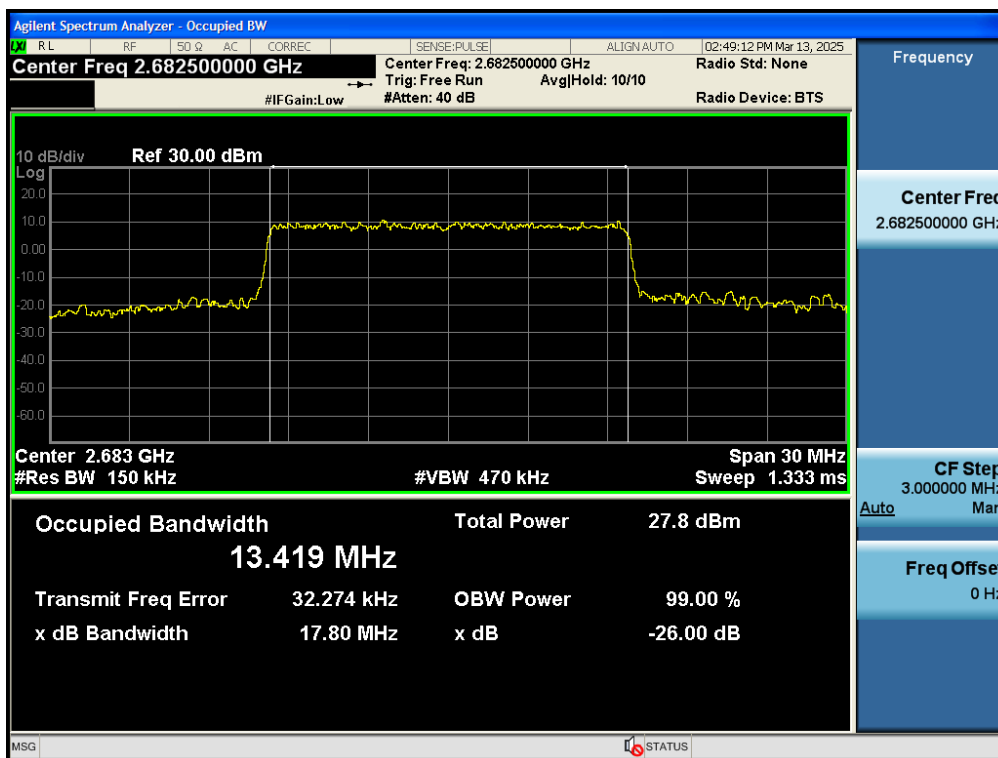
Test_Graph_band41_2685MHz_10M_QPSK_50RB#LOW_OBW&EBW



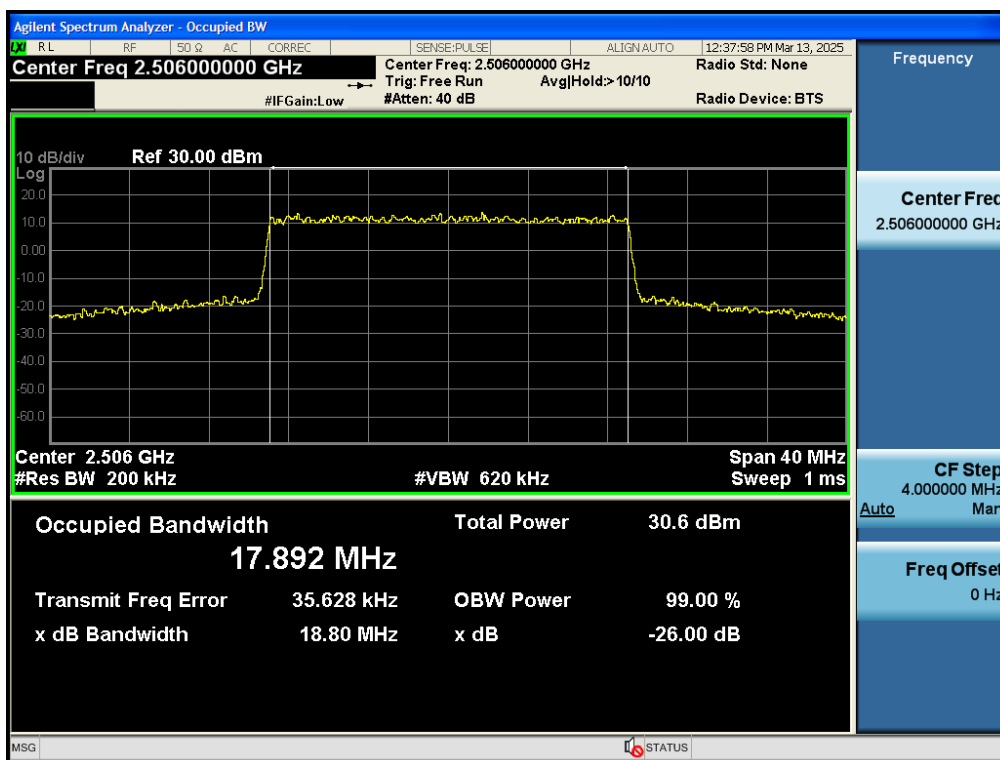
Test_Graph_band41_2503.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



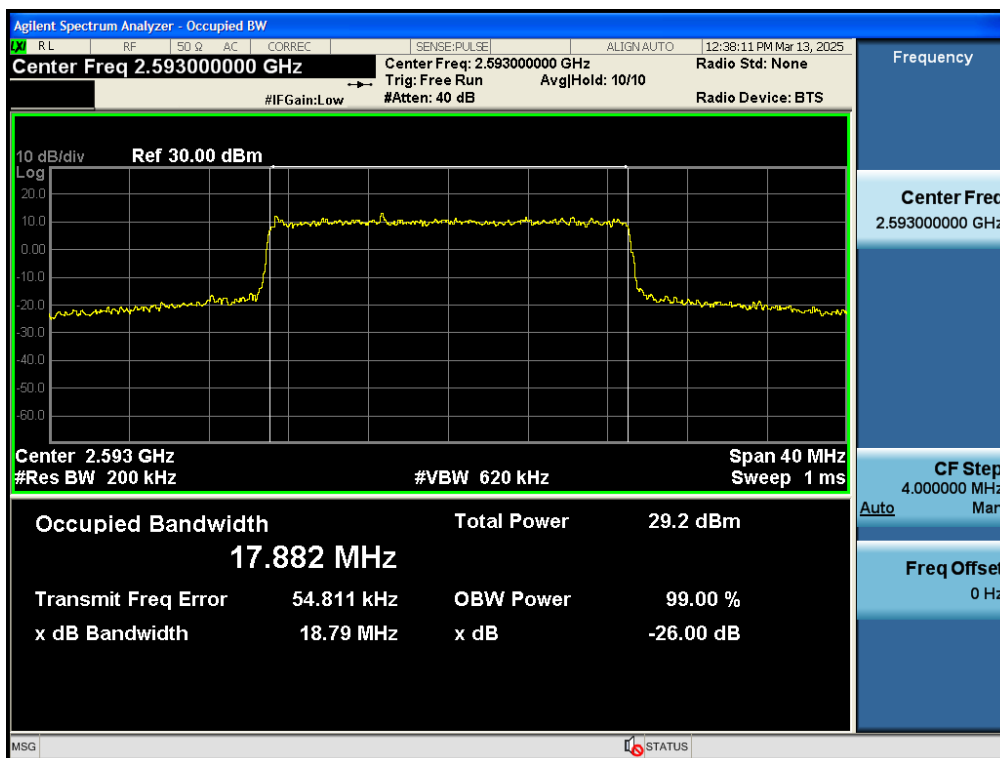
Test_Graph_band41_2593MHz_15M_QPSK_75RB#LOW_OBW&EBW



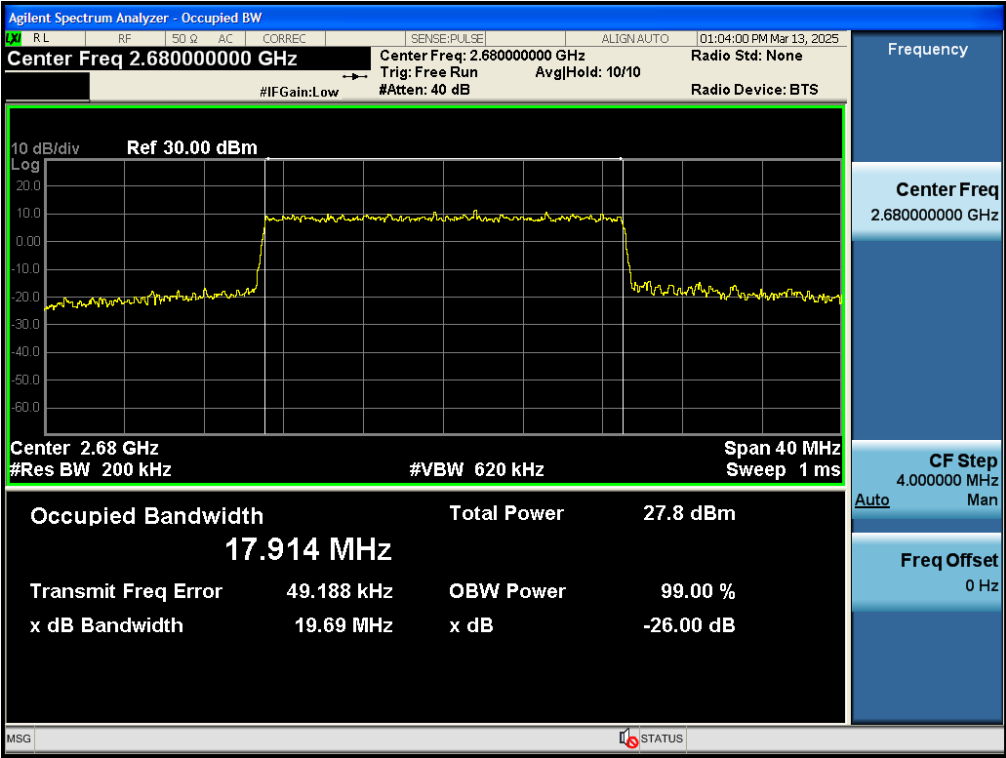
Test_Graph_band41_2682.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



Test_Graph_band41_2506MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band41_2593MHz_20M_QPSK_100RB#LOW_OBW&EBW



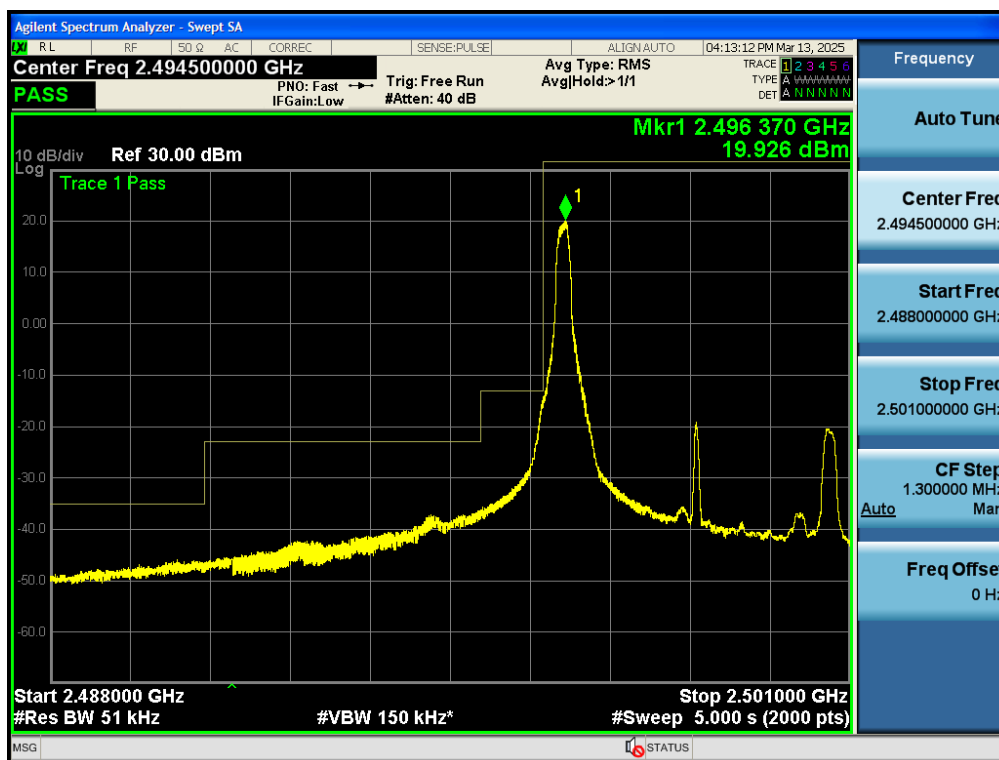
Test_Graph_band41_2680MHz_20M_QPSK_100RB#LOW_OBW&EBW

Appendix C: Band edge emissions

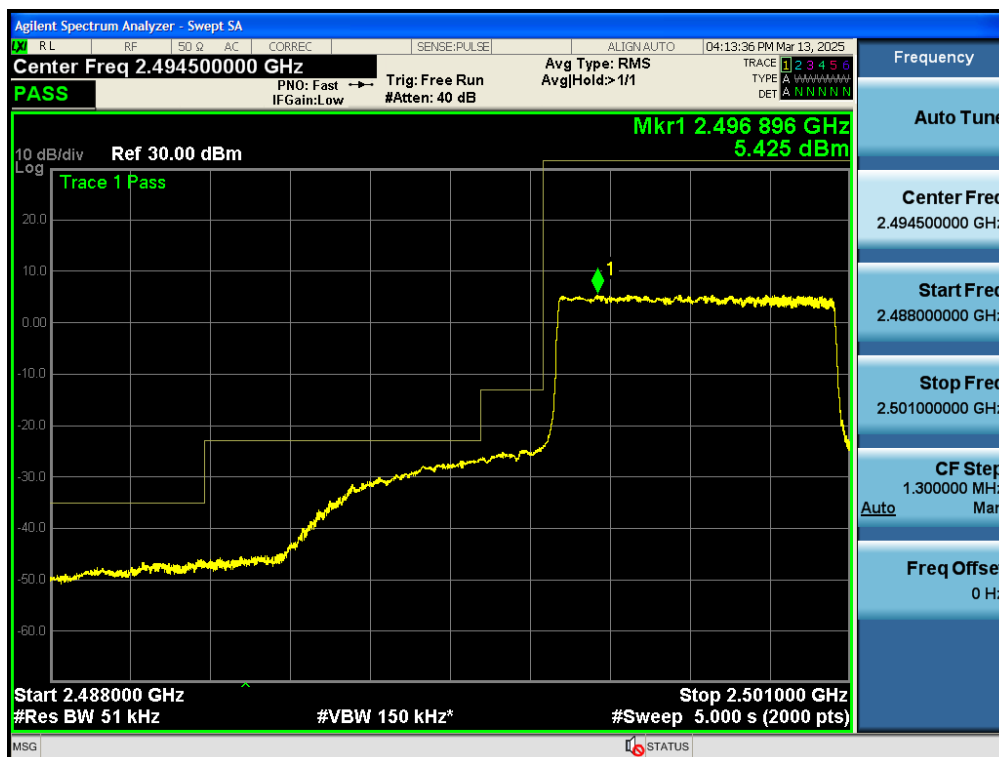
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
41	5	2498.5	QPSK	1	LOW	Pass
41	5	2498.5	QPSK	25	LOW	Pass
41	5	2498.5	16QAM	1	LOW	Pass
41	5	2498.5	16QAM	25	LOW	Pass
41	5	2687.5	QPSK	1	HIGH	Pass
41	5	2687.5	QPSK	25	LOW	Pass
41	5	2687.5	16QAM	1	HIGH	Pass
41	5	2687.5	16QAM	25	LOW	Pass
41	10	2501	QPSK	1	LOW	Pass
41	10	2501	QPSK	50	LOW	Pass
41	10	2501	16QAM	1	LOW	Pass
41	10	2685	QPSK	1	HIGH	Pass
41	10	2685	QPSK	50	LOW	Pass
41	10	2685	16QAM	1	HIGH	Pass
41	15	2503.5	QPSK	1	LOW	Pass
41	15	2503.5	QPSK	75	LOW	Pass
41	15	2503.5	16QAM	1	LOW	Pass
41	15	2682.5	QPSK	1	HIGH	Pass
41	15	2682.5	QPSK	75	LOW	Pass
41	15	2682.5	16QAM	1	HIGH	Pass
41	20	2506	QPSK	1	LOW	Pass
41	20	2506	QPSK	100	LOW	Pass
41	20	2506	16QAM	1	LOW	Pass
41	20	2680	QPSK	1	HIGH	Pass
41	20	2680	QPSK	100	LOW	Pass
41	20	2680	16QAM	1	HIGH	Pass

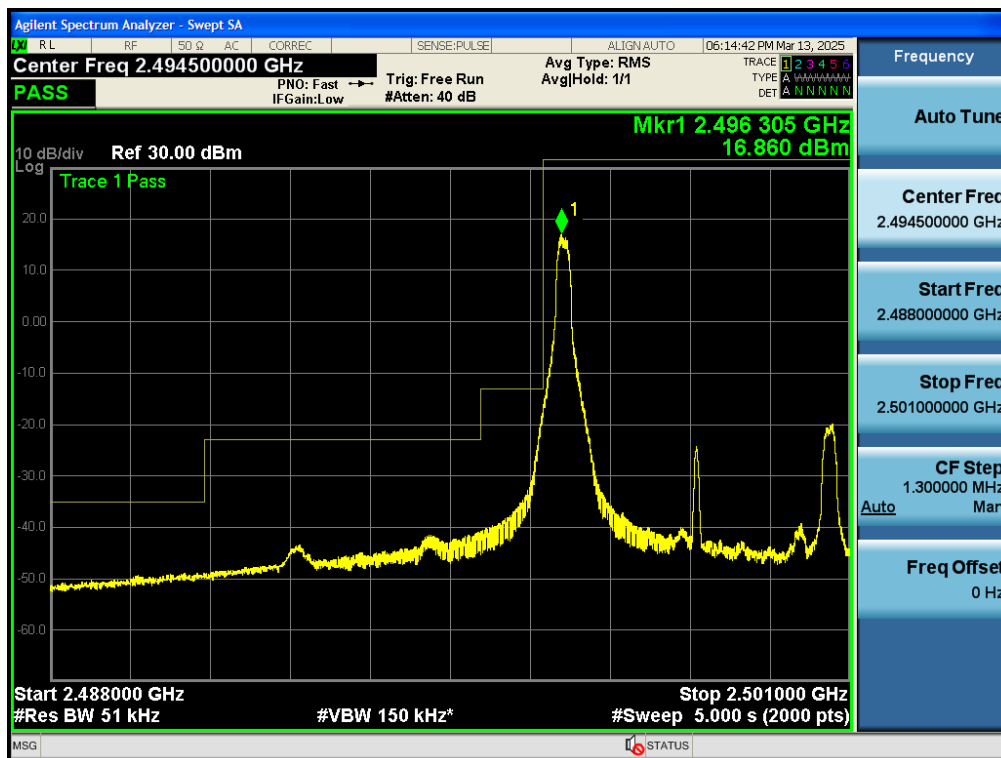
Test Graphs



Test_Graph_band41_2498.5MHz_5M_16QAM_1RB#LOW_Band edge



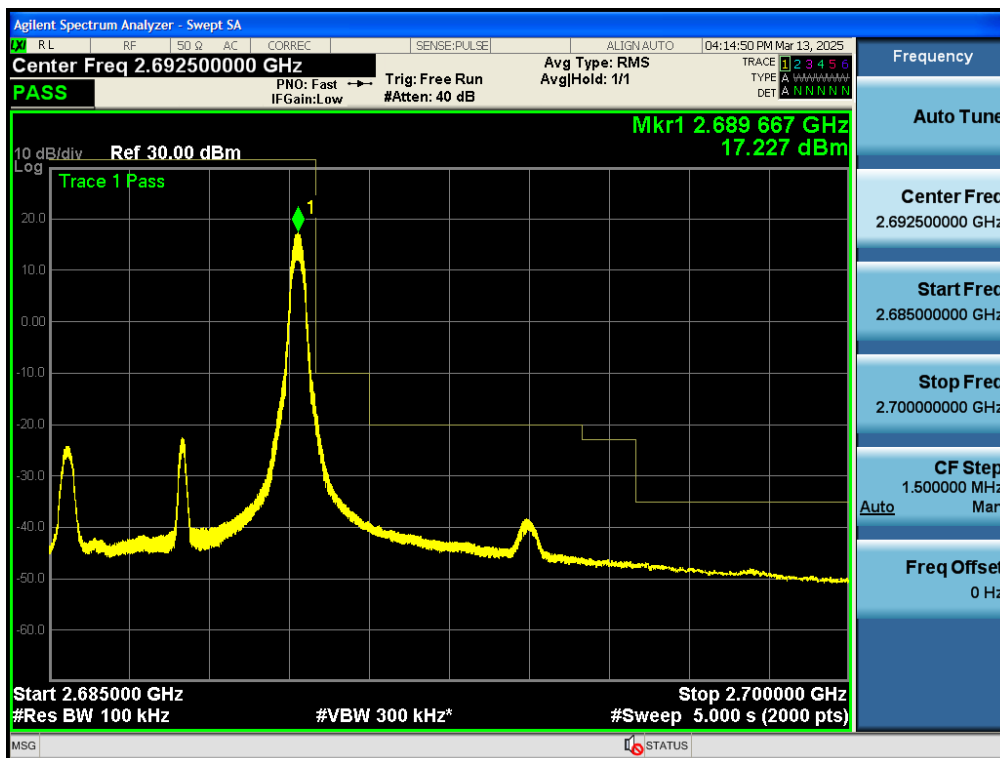
Test_Graph_band41_2498.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band41_2498.5MHz_5M_QPSK_1RB#LOW_Band edge



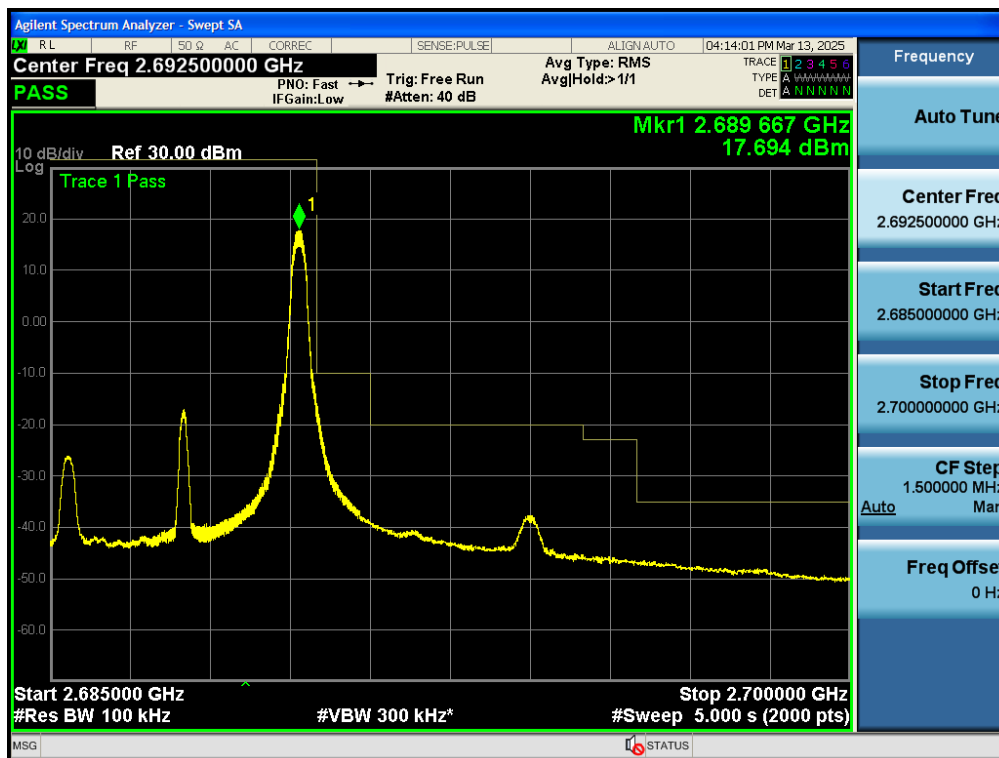
Test_Graph_band41_2498.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band41_2687.5MHz_5M_16QAM_1RB#HIGH_Band edge



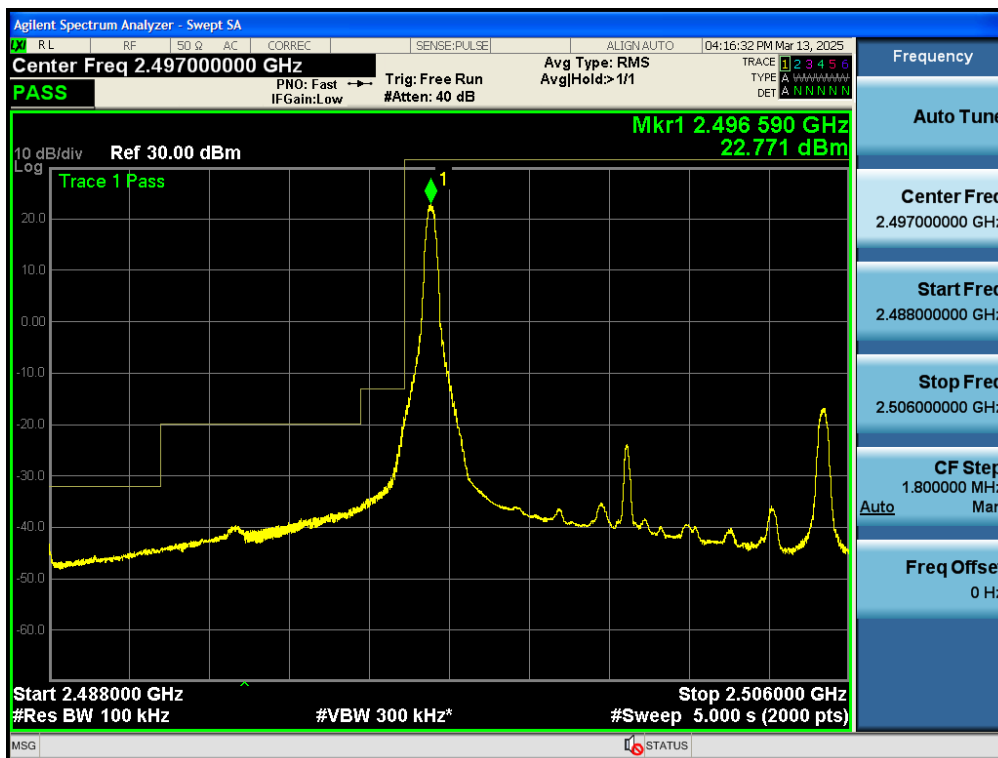
Test_Graph_band41_2687.5MHz_5M_16QAM_25RB#LOW_Band edge



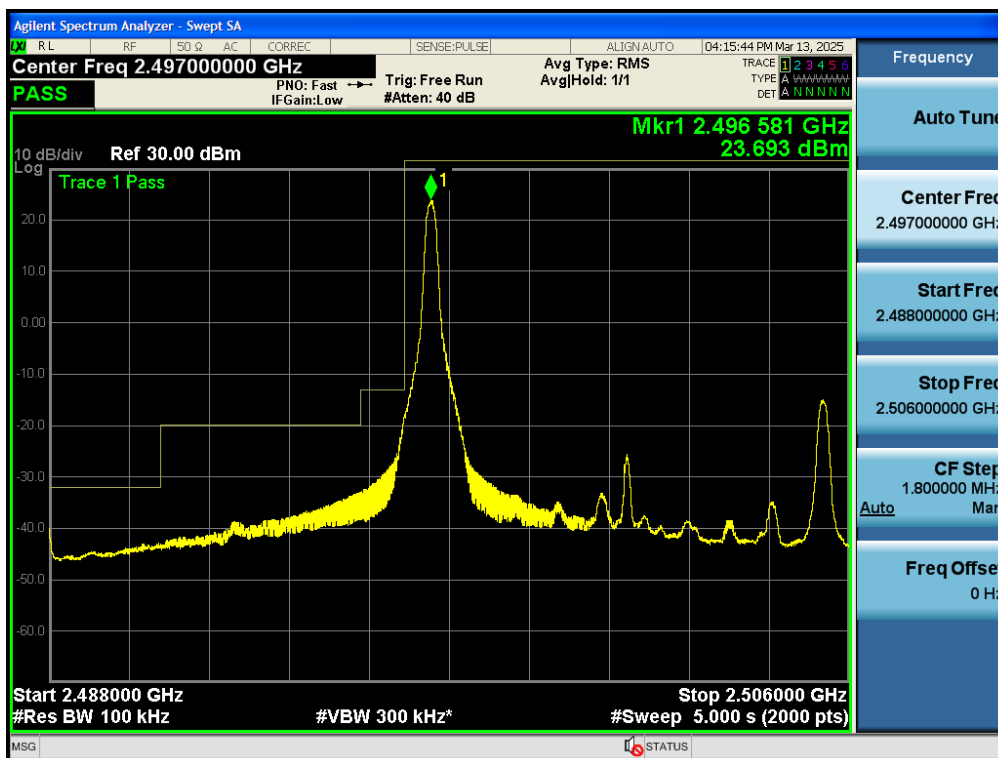
Test_Graph_band41_2687.5MHz_5M_QPSK_1RB#HIGH_Band edge



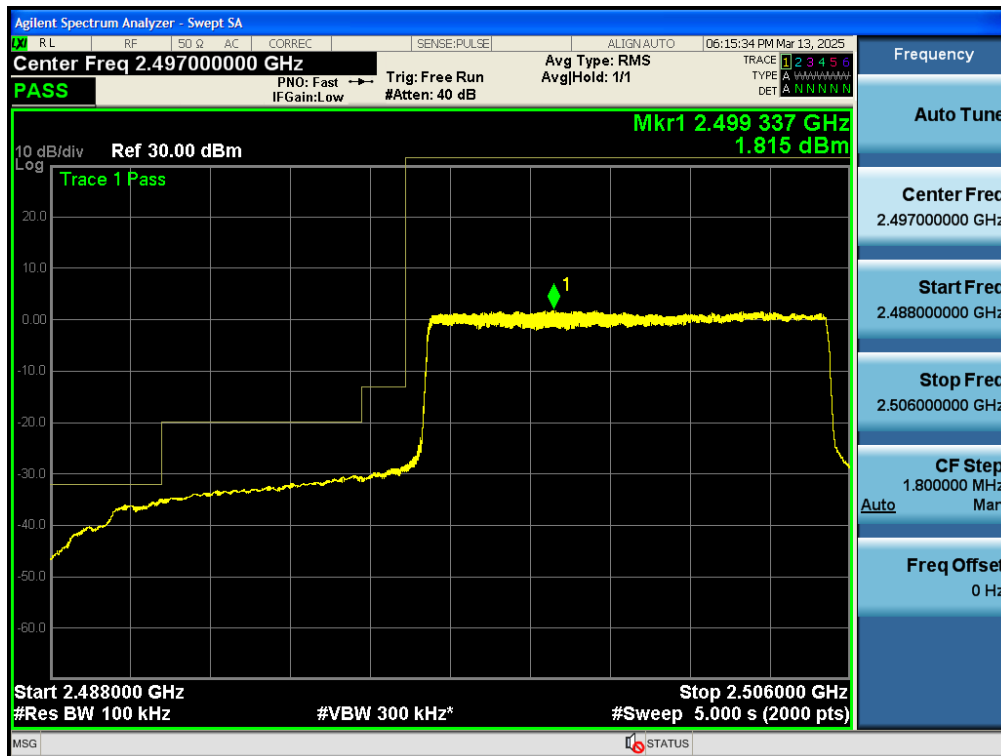
Test_Graph_band41_2687.5MHz_5M_QPSK_25RB#LOW_Band edge



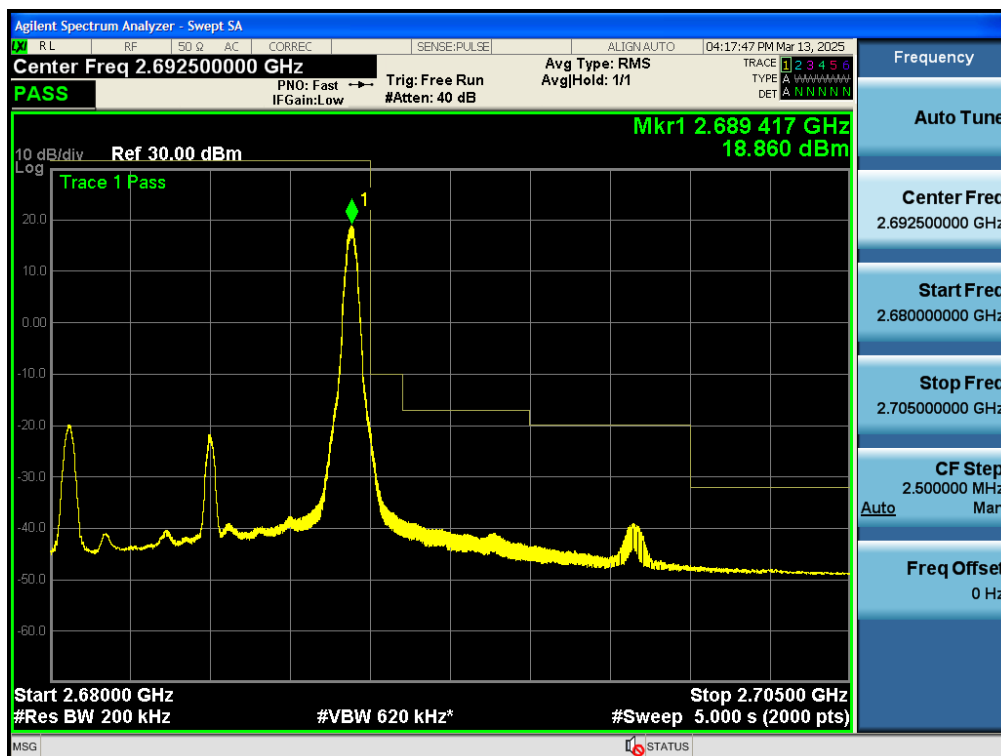
Test_Graph_band41_2501MHz_10M_16QAM_1RB#LOW_Band edge



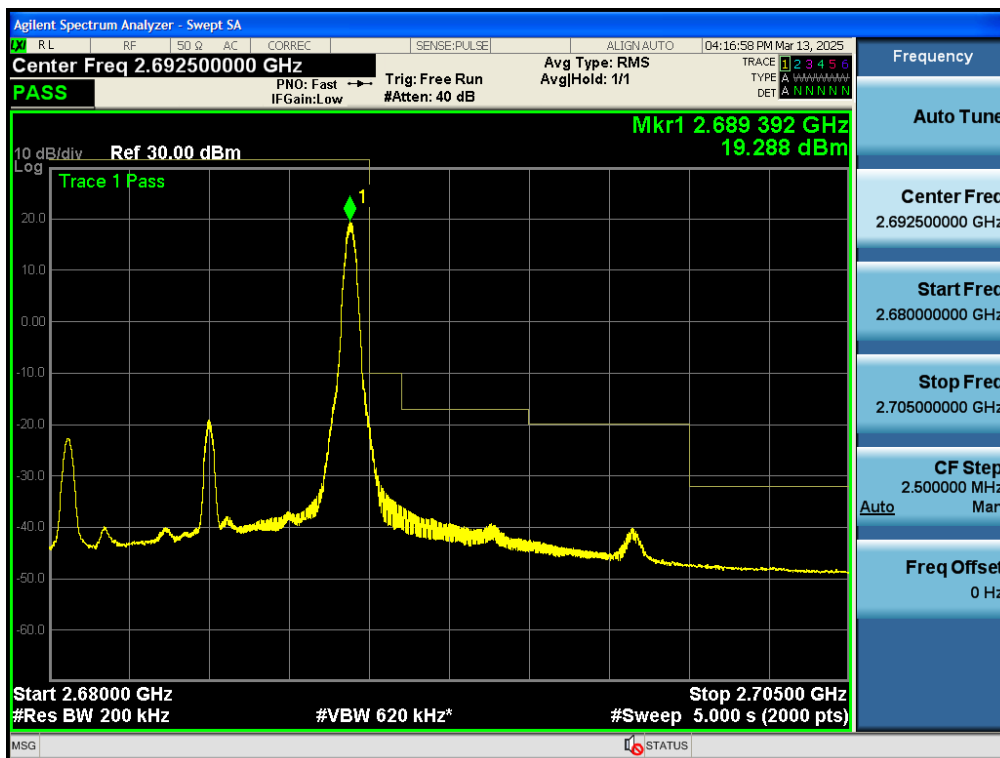
Test_Graph_band41_2501MHz_10M_QPSK_1RB#LOW_Band edge



Test_Graph_band41_2501MHz_10M_QPSK_50RB#LOW_Band edge



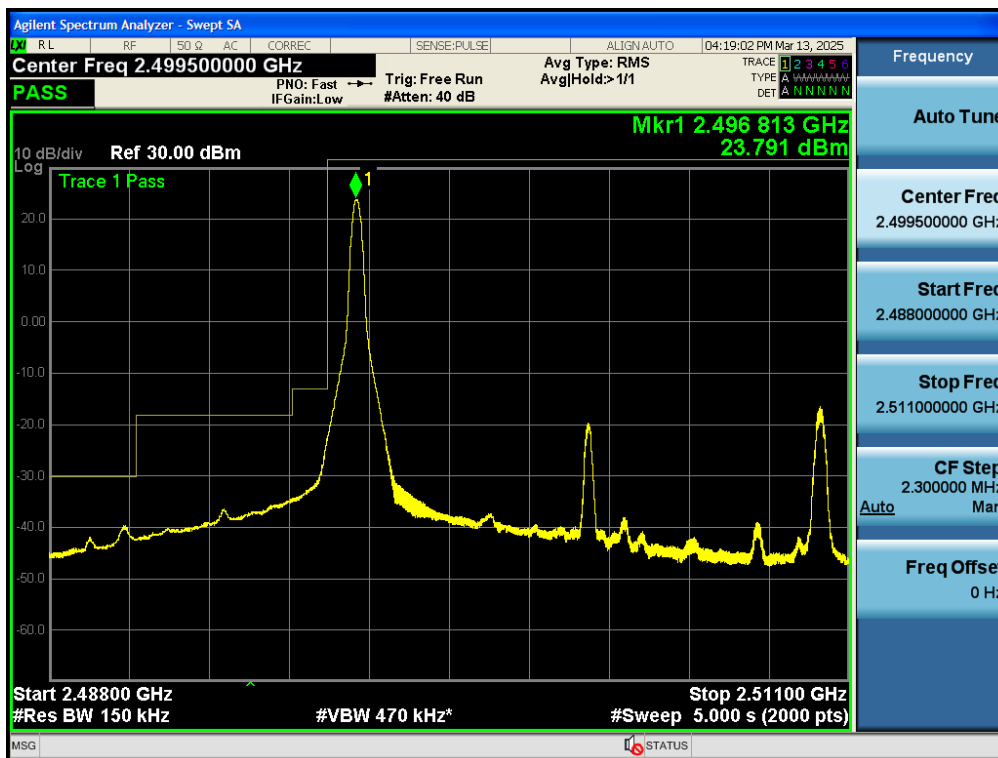
Test_Graph_band41_2685MHz_10M_16QAM_1RB#HIGH_Band edge



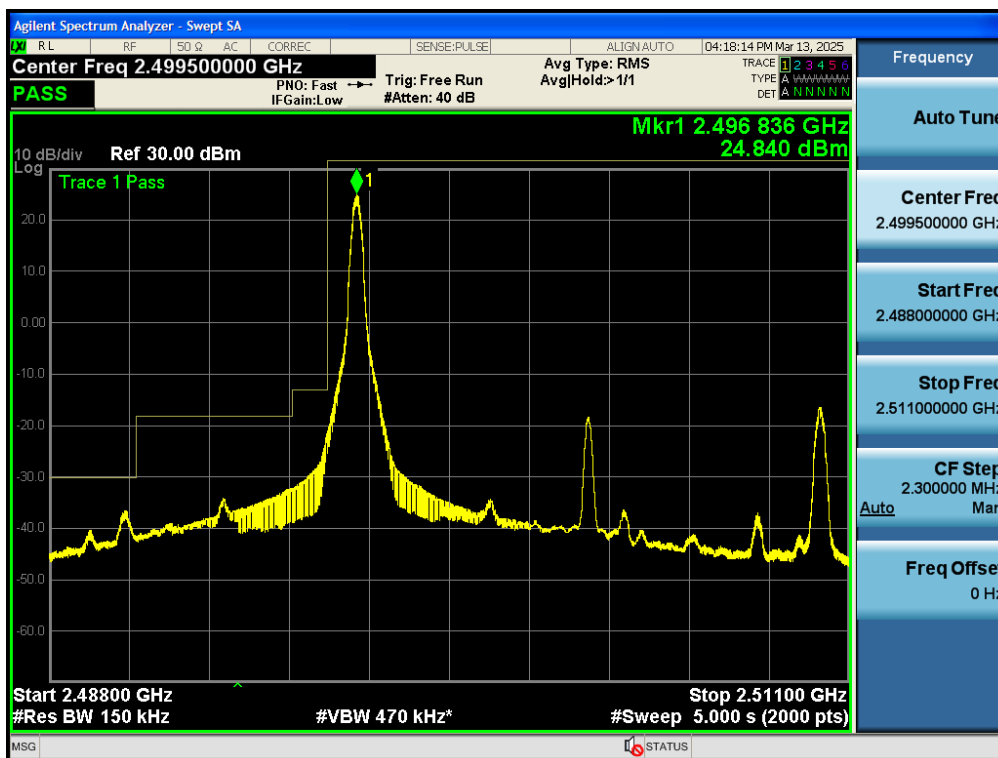
Test_Graph_band41_2685MHz_10M_QPSK_1RB#HIGH_Band edge



Test_Graph_band41_2685MHz_10M_QPSK_50RB#LOW_Band edge



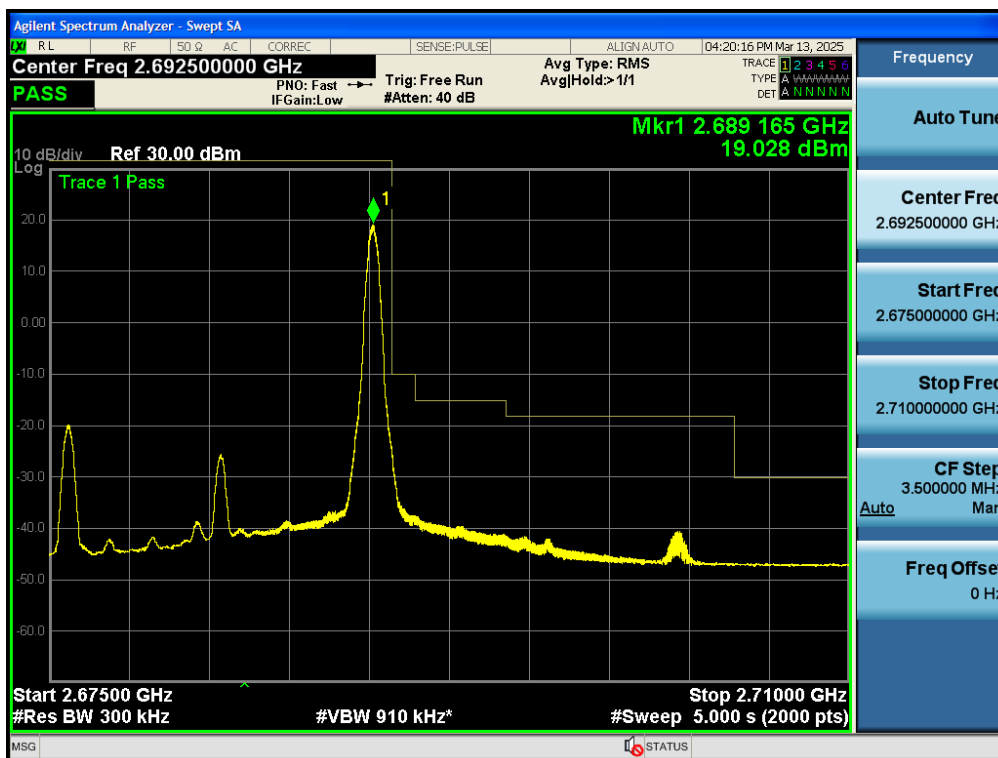
Test_Graph_band41_2503.5MHz_15M_16QAM_1RB#LOW_Band edge



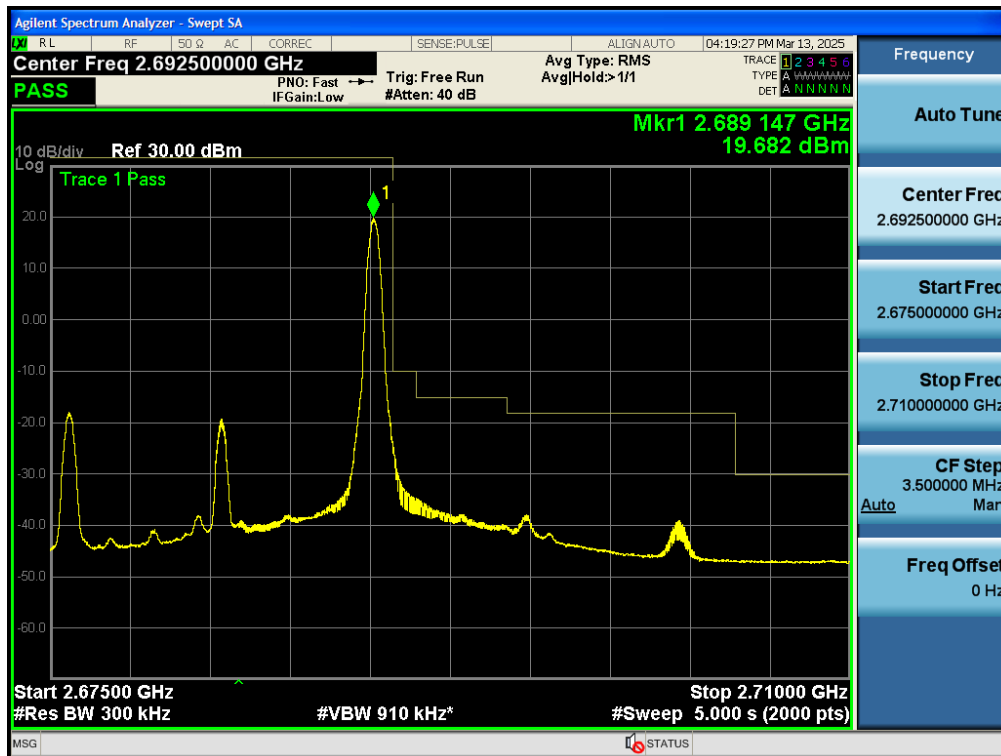
Test_Graph_band41_2503.5MHz_15M_QPSK_1RB#LOW_Band edge



Test_Graph_band41_2503.5MHz_15M_QPSK_75RB#LOW_Band edge



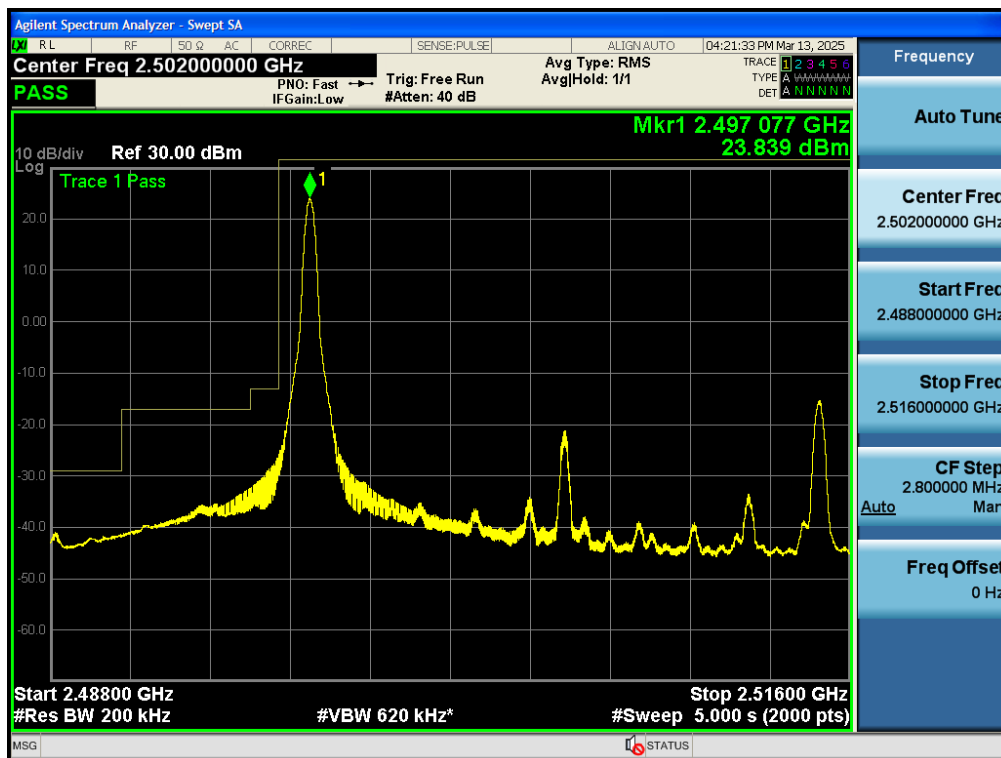
Test_Graph_band41_2682.5MHz_15M_16QAM_1RB#HIGH_Band edge



Test_Graph_band41_2682.5MHz_15M_QPSK_1RB#HIGH_Band edge



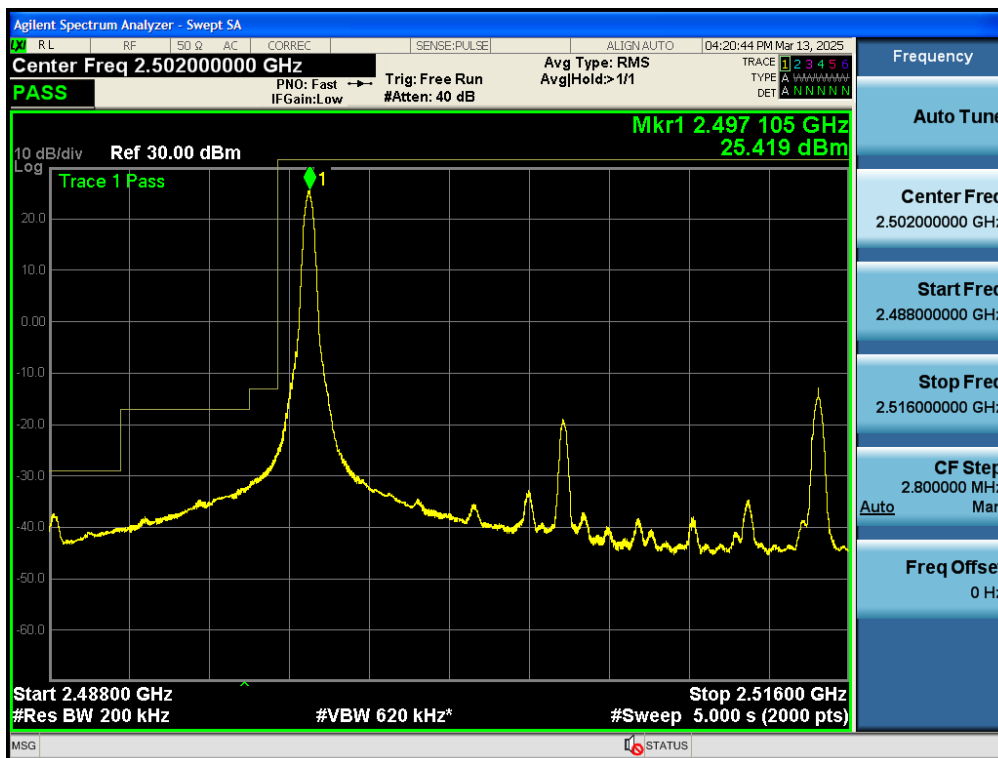
Test_Graph_band41_2682.5MHz_15M_QPSK_75RB#LOW_Band edge



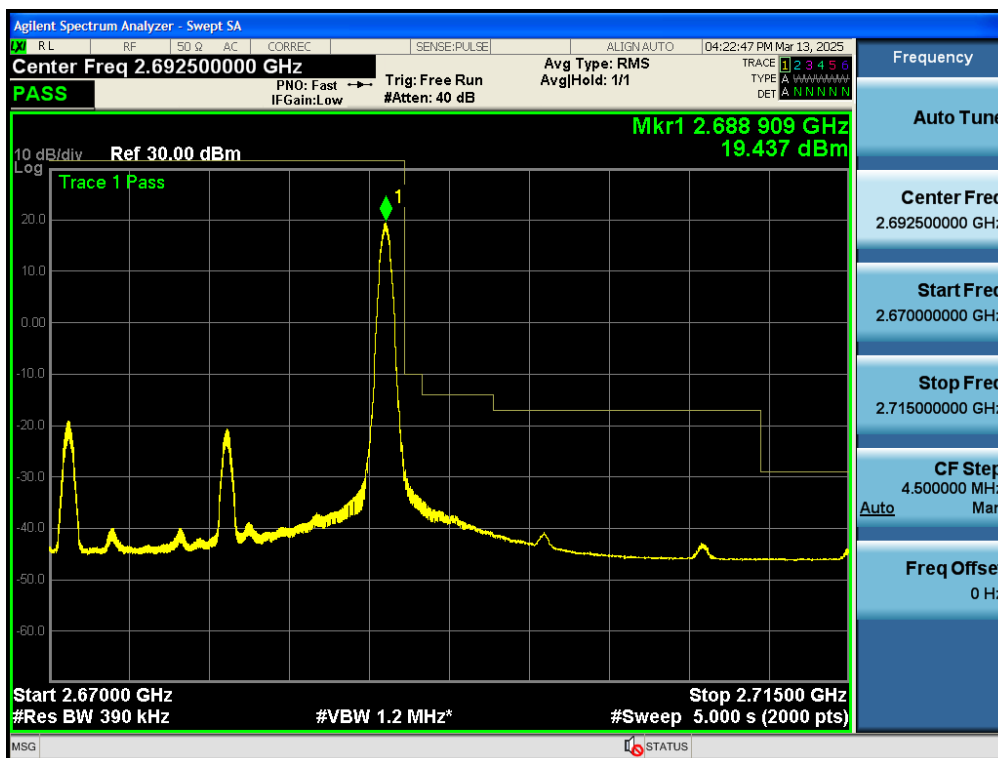
Test_Graph_band41_2506MHz_20M_16QAM_1RB#LOW_Band edge



Test_Graph_band41_2506MHz_20M_QPSK_100RB#LOW_Band edge



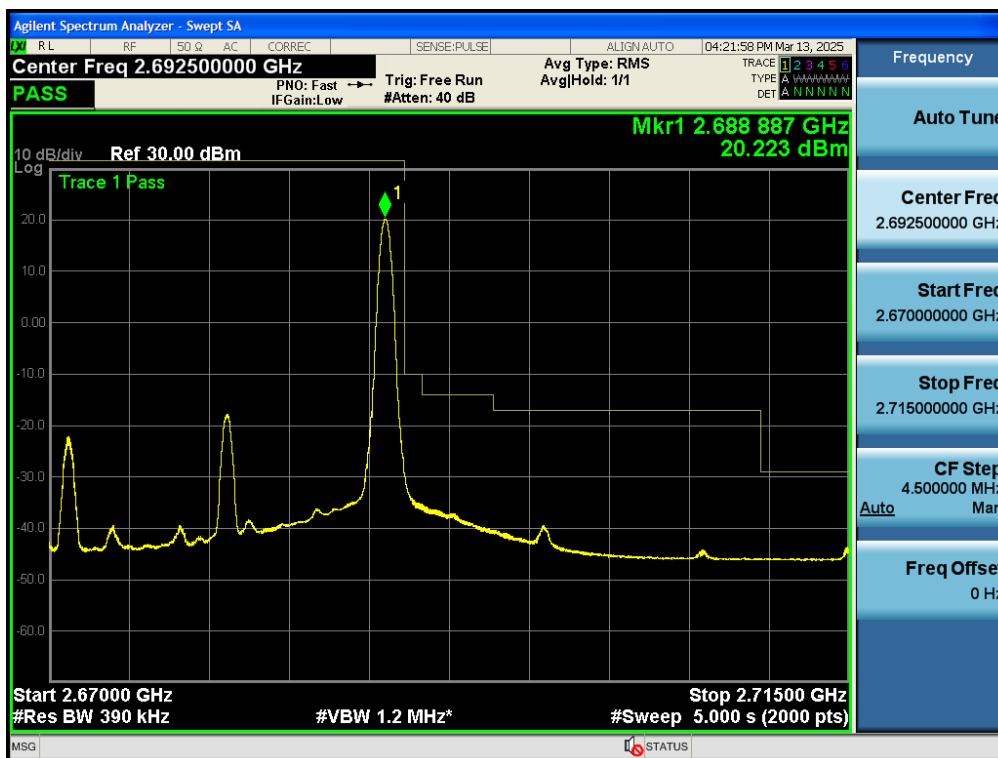
Test_Graph_band41_2506MHz_20M_QPSK_1RB#LOW_Band edge



Test_Graph_band41_2680MHz_20M_16QAM_1RB#HIGH_Band edge



Test_Graph_band41_2680MHz_20M_QPSK_100RB#LOW_Band edge



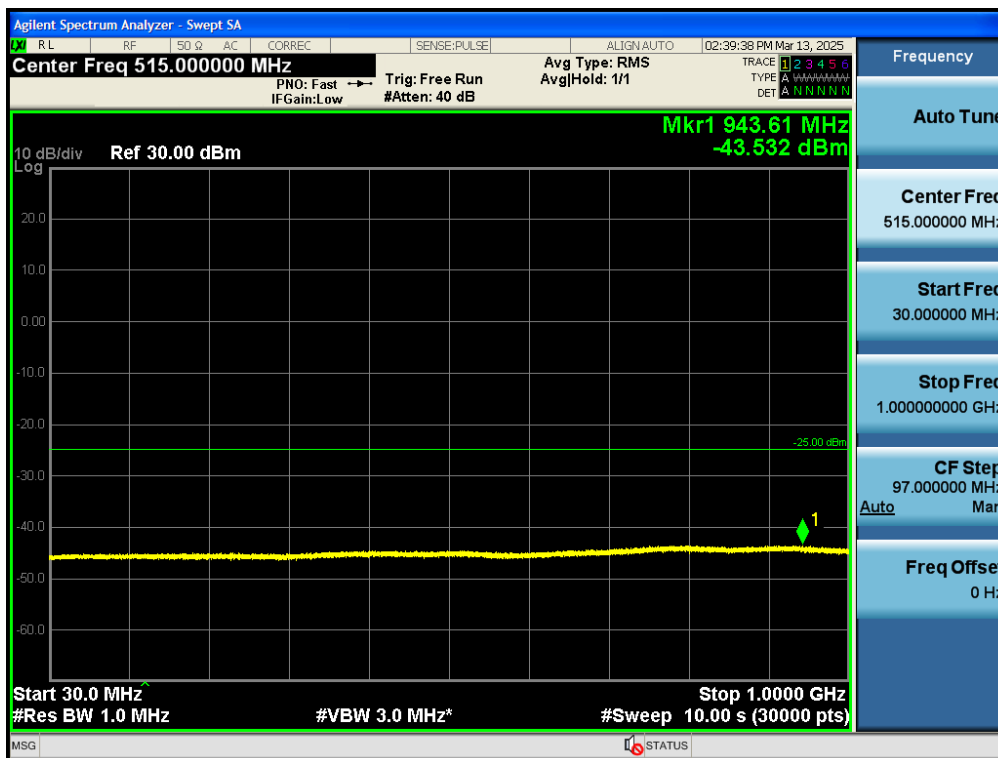
Test_Graph_band41_2680MHz_20M_QPSK_1RB#HIGH_Band edge

Appendix D: Unwanted spurious emissions at antenna terminals

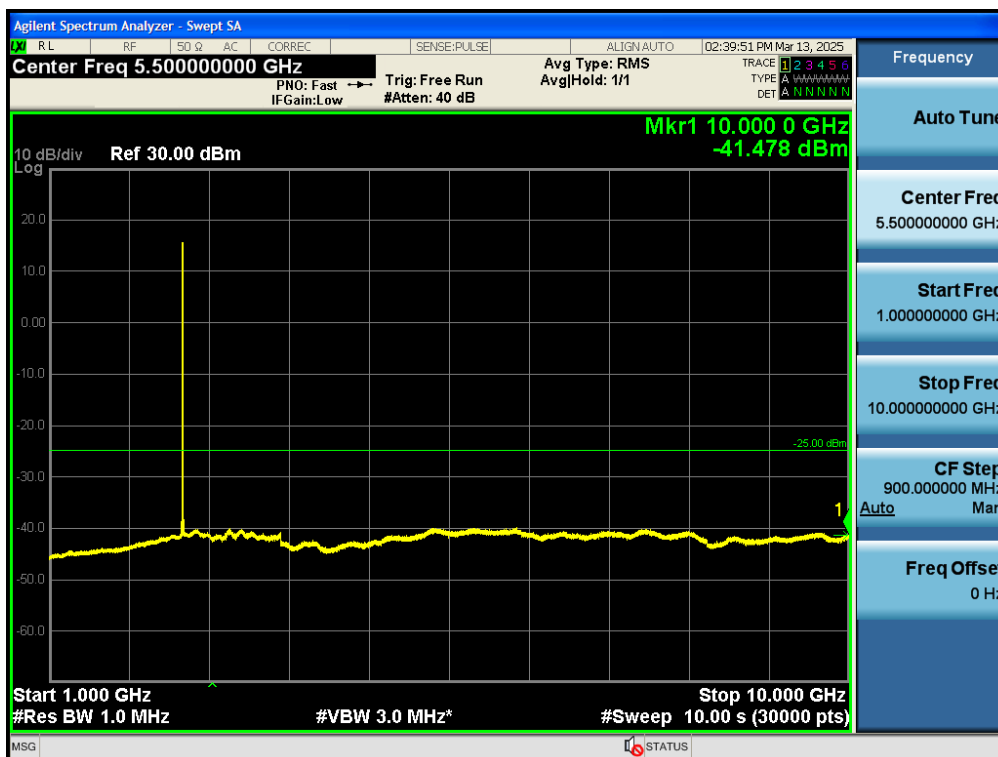
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
41	5	2498.5	QPSK	25	LOW	Pass
41	5	2593	QPSK	25	LOW	Pass
41	5	2687.5	QPSK	25	LOW	Pass
41	10	2501	QPSK	50	LOW	Pass
41	10	2593	QPSK	50	LOW	Pass
41	10	2685	QPSK	50	LOW	Pass
41	15	2503.5	QPSK	75	LOW	Pass
41	15	2593	QPSK	75	LOW	Pass
41	15	2682.5	QPSK	75	LOW	Pass
41	20	2506	QPSK	100	LOW	Pass
41	20	2593	QPSK	100	LOW	Pass
41	20	2680	QPSK	100	LOW	Pass

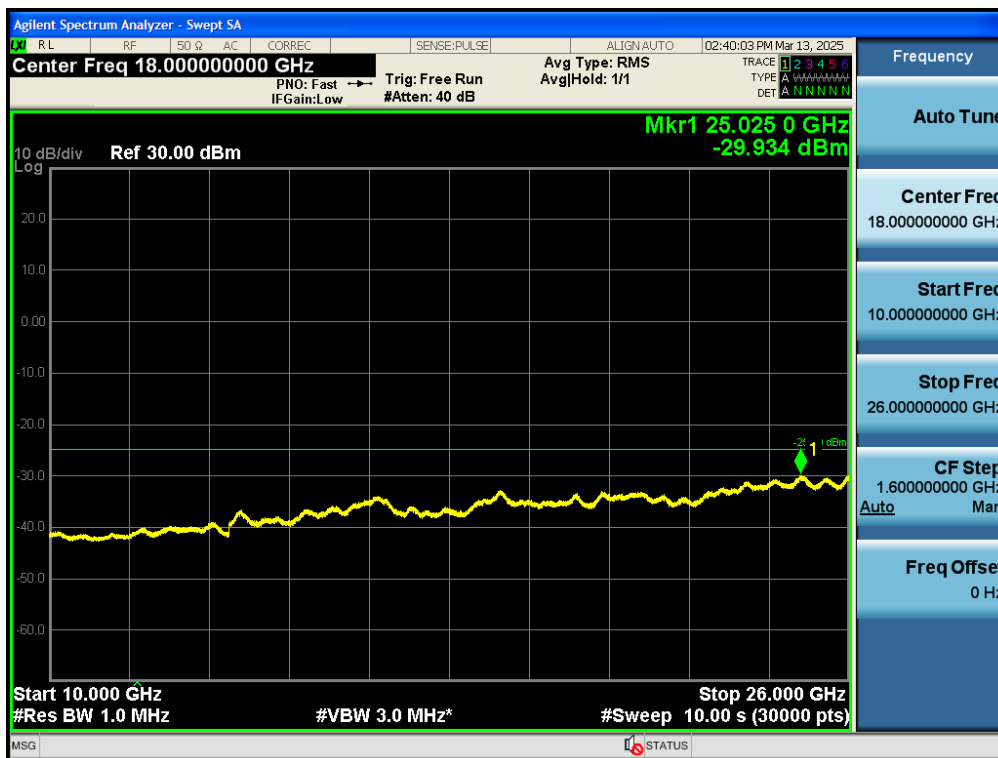
Test Graphs



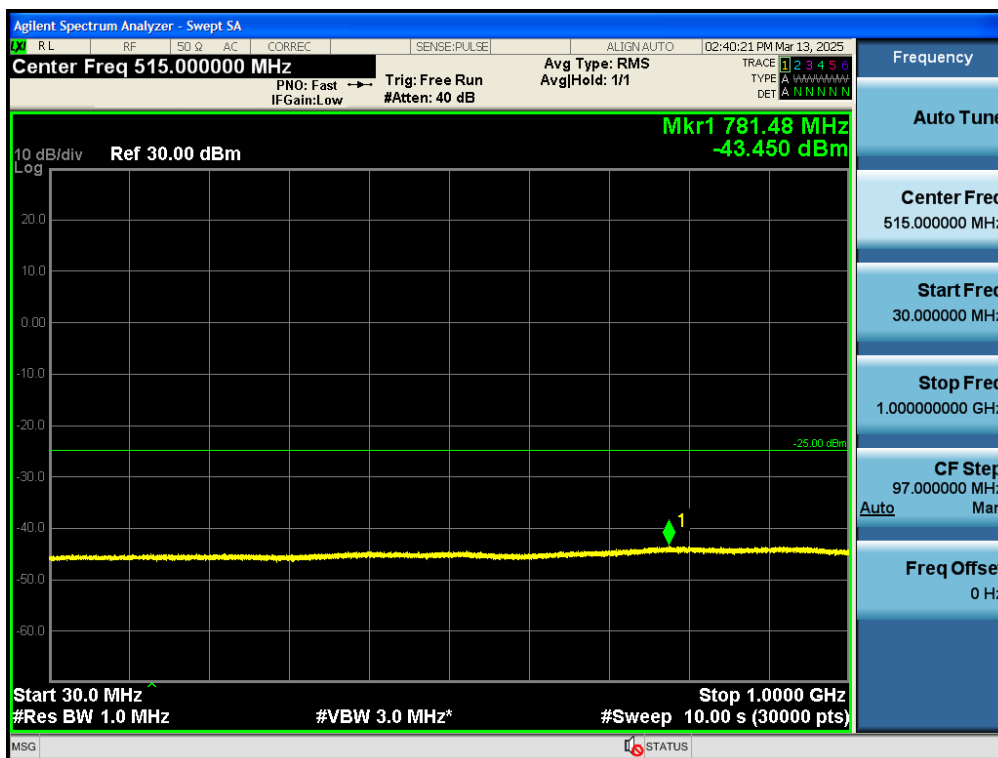
Test_Graph_band41_2498.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



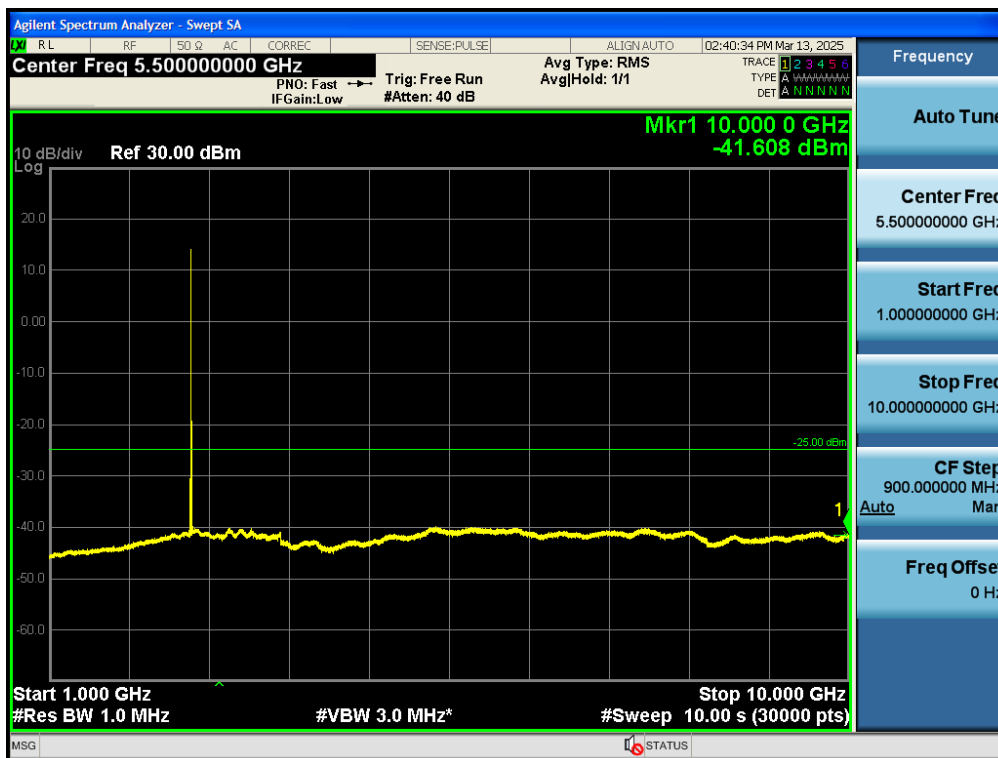
Test_Graph_band41_2498.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



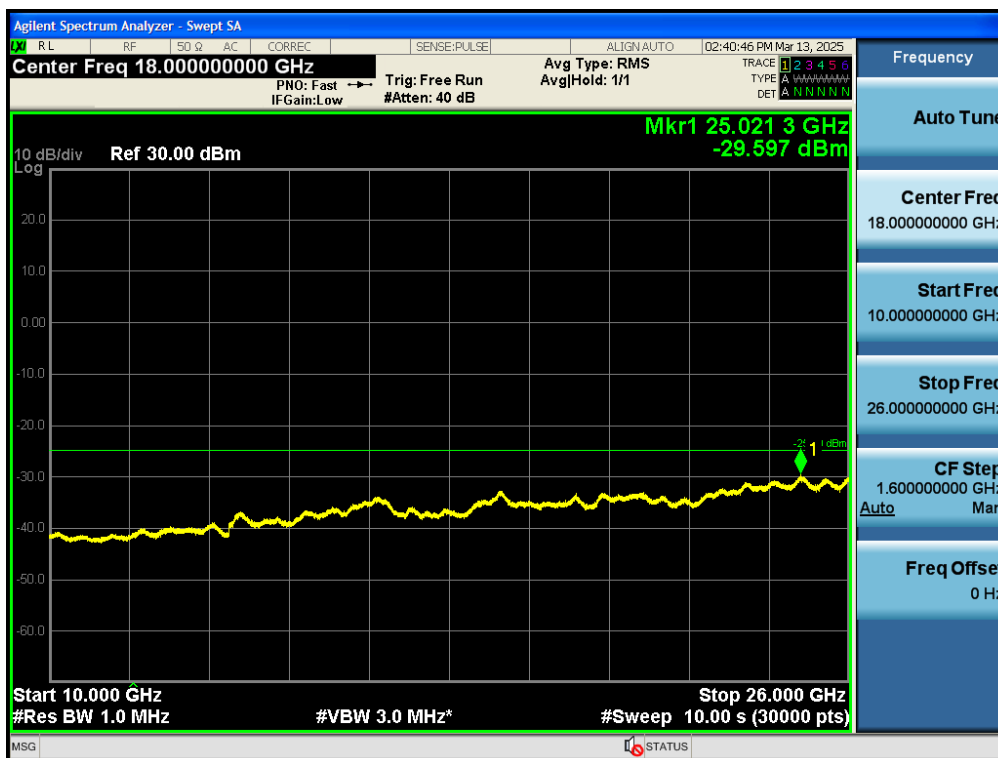
Test_Graph_band41_2498.5MHz_5M_QPSK_25RB#LOW_10G_26.0G_TX



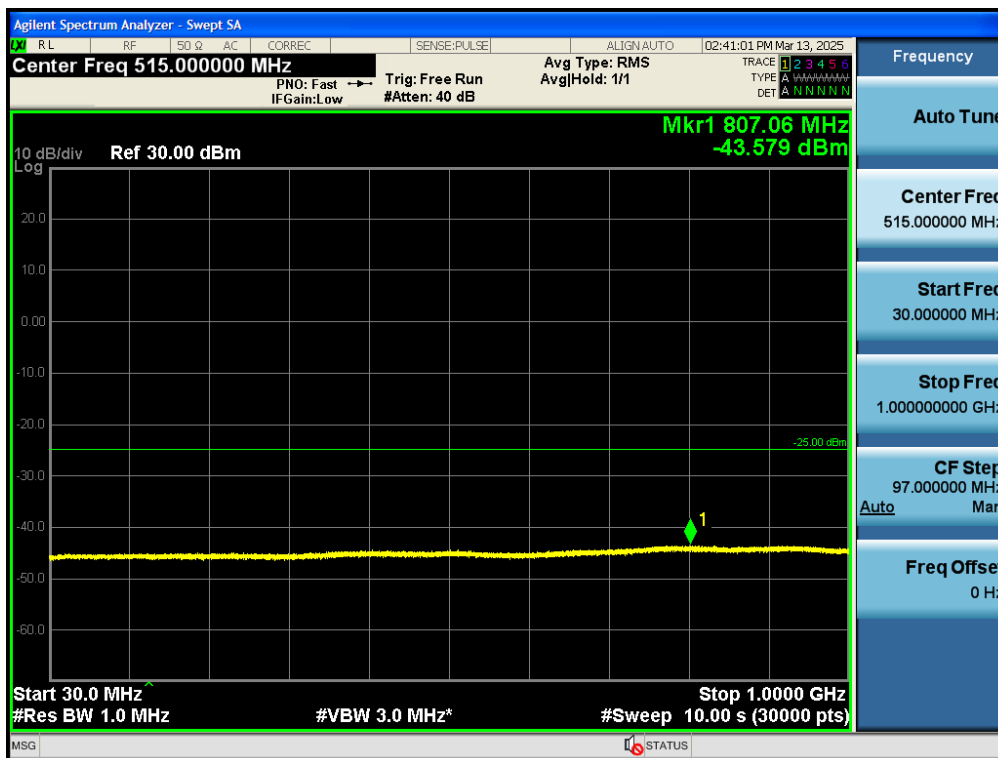
Test_Graph_band41_2593MHz_5M_QPSK_25RB#LOW_30M_1G_TX



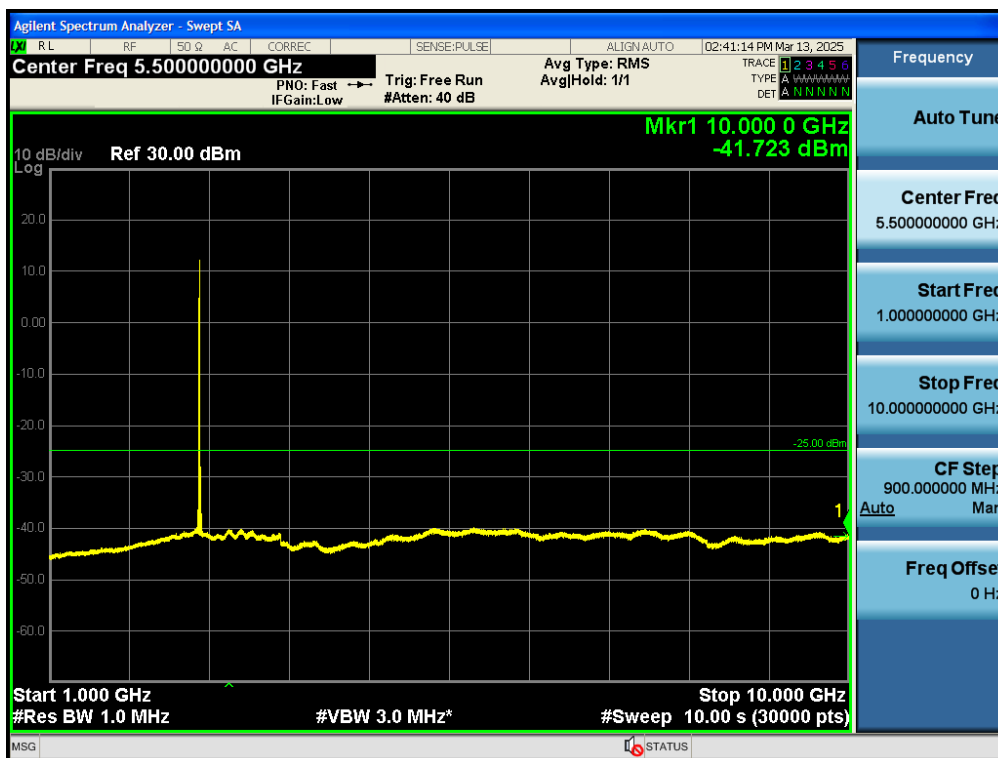
Test_Graph_band41_2593MHz_5M_QPSK_25RB#LOW_1G_10G_TX



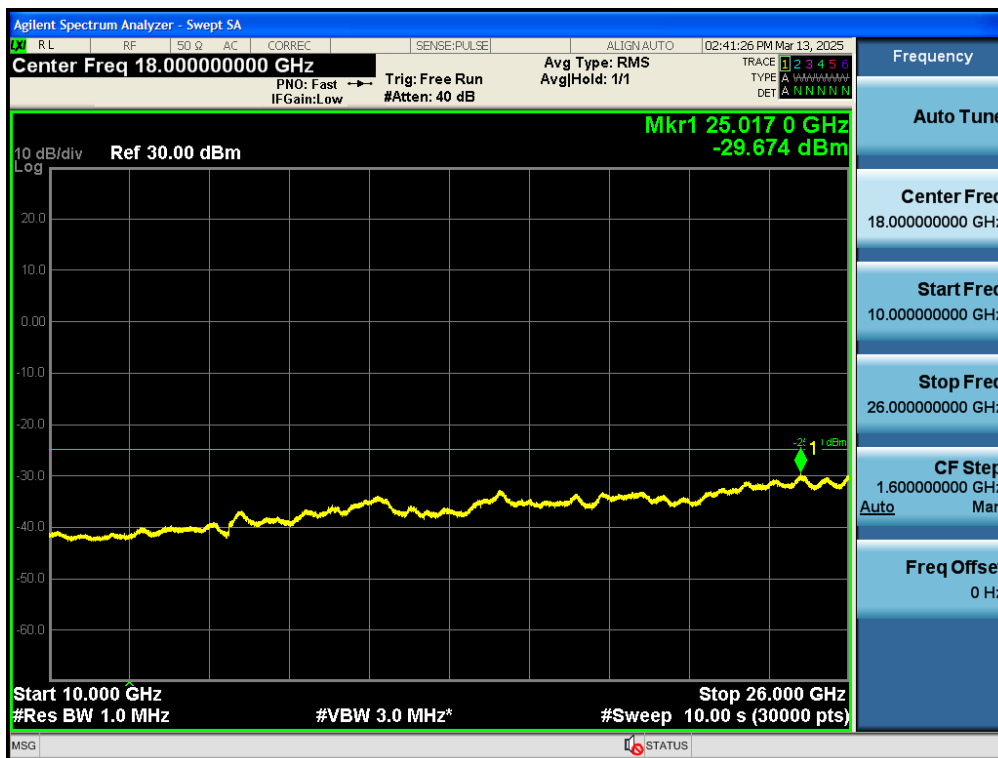
Test_Graph_band41_2593MHz_5M_QPSK_25RB#LOW_10G_26.0G_TX



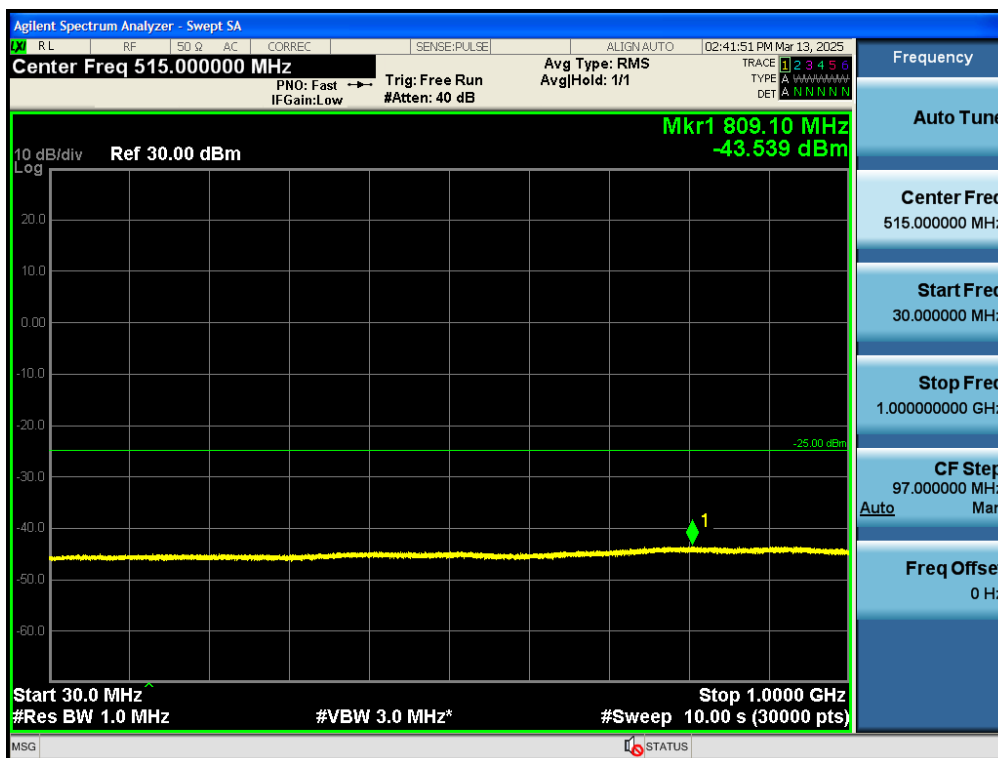
Test_Graph_band41_2687.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



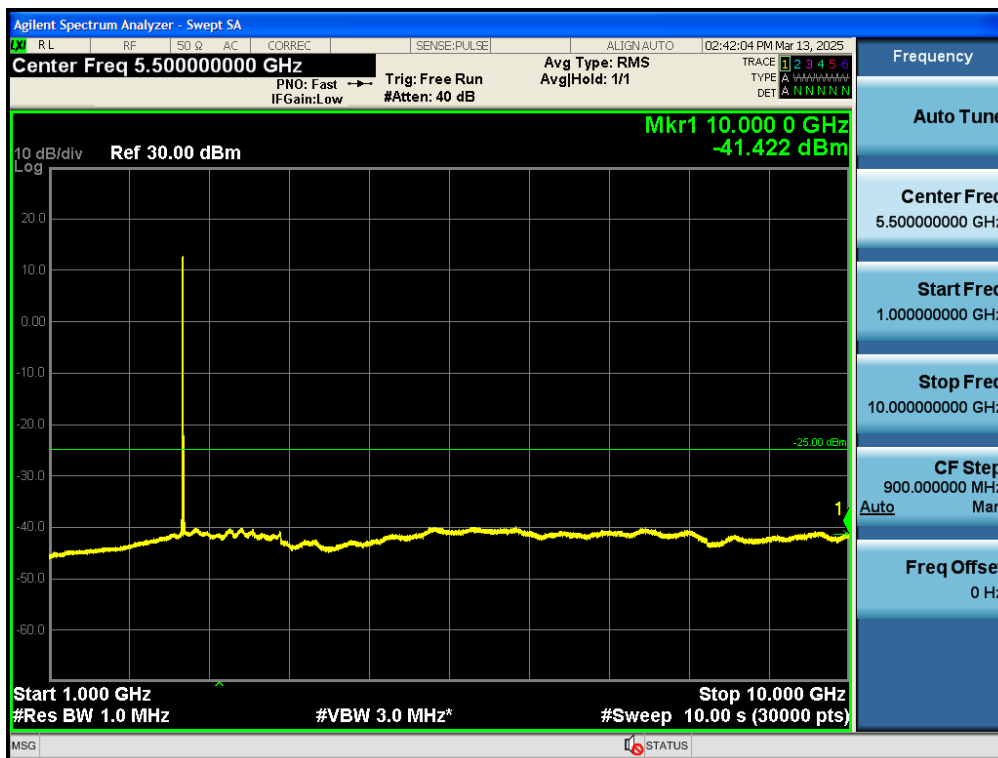
Test_Graph_band41_2687.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



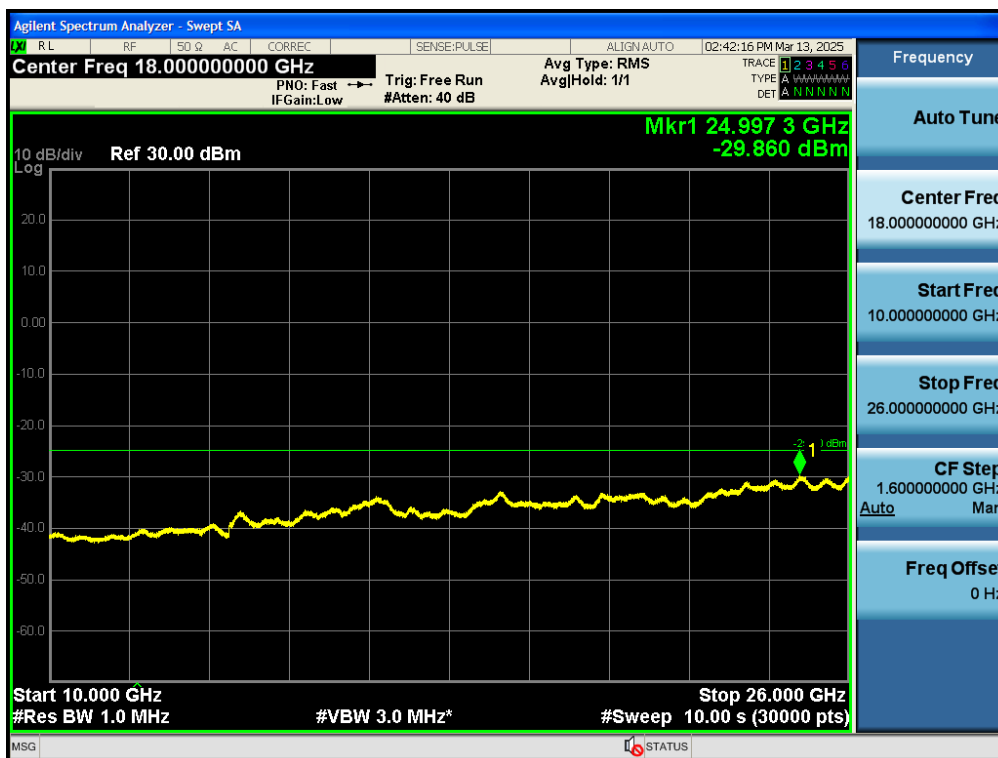
Test_Graph_band41_2687.5MHz_5M_QPSK_25RB#LOW_10G_26.0G_TX



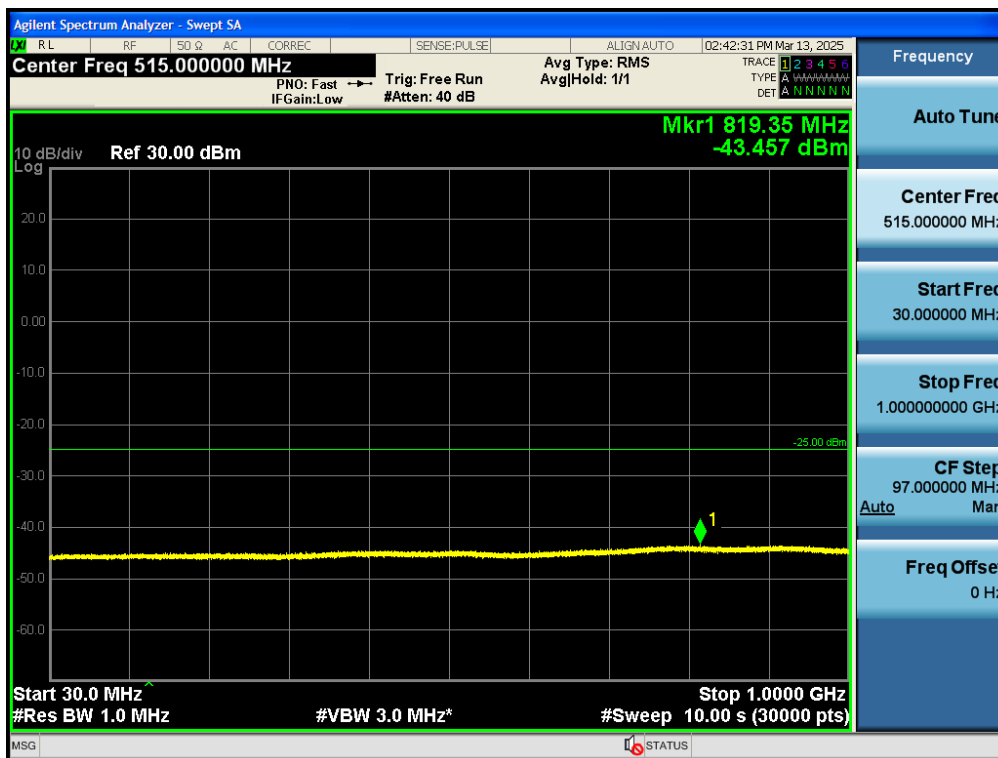
Test_Graph_band41_2501MHz_10M_QPSK_50RB#LOW_30M_1G_TX



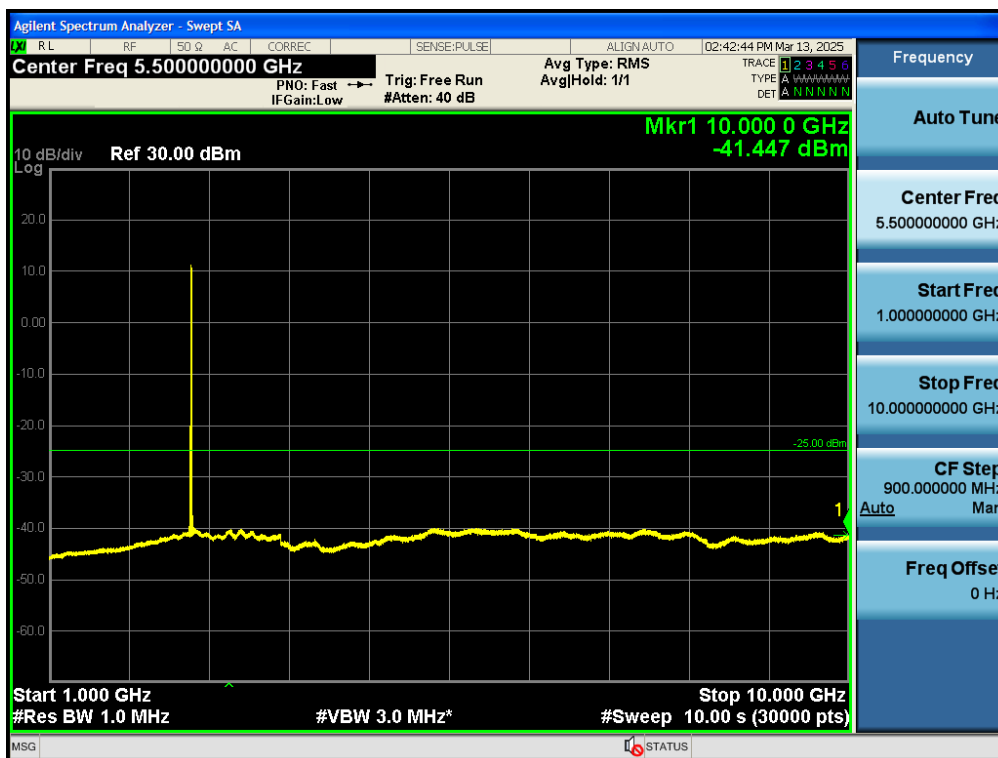
Test_Graph_band41_2501MHz_10M_QPSK_50RB#LOW_1G_10G_TX



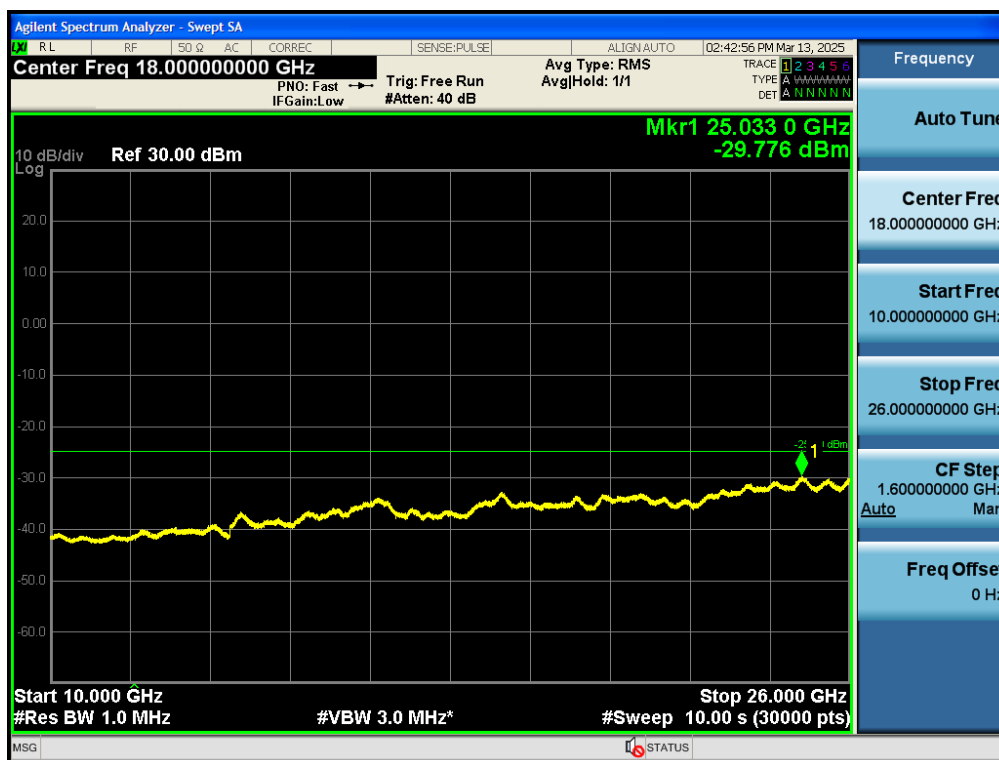
Test_Graph_band41_2501MHz_10M_QPSK_50RB#LOW_10G_26.0G_TX



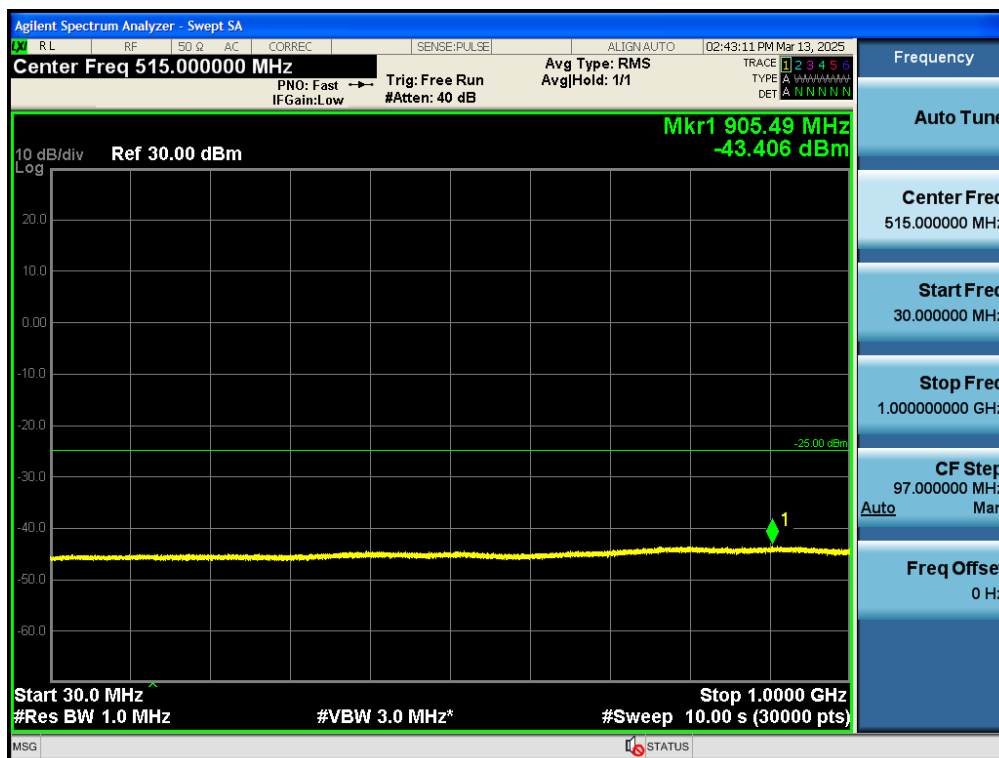
Test_Graph_band41_2593MHz_10M_QPSK_50RB#LOW_30M_1G_TX



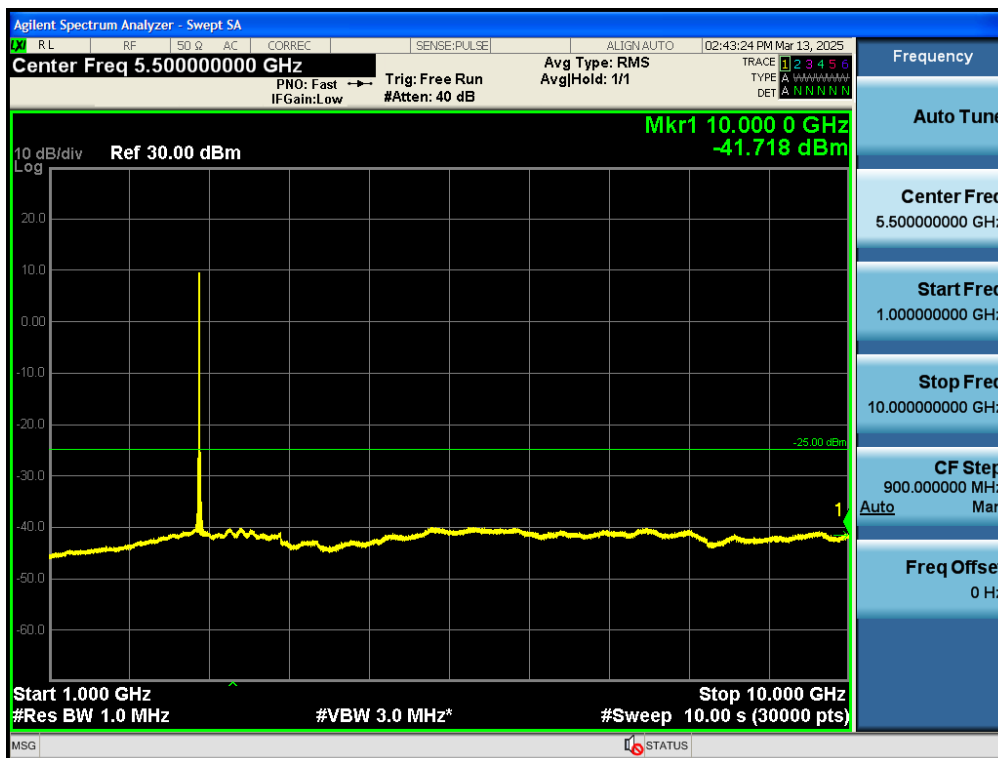
Test_Graph_band41_2593MHz_10M_QPSK_50RB#LOW_1G_10G_TX



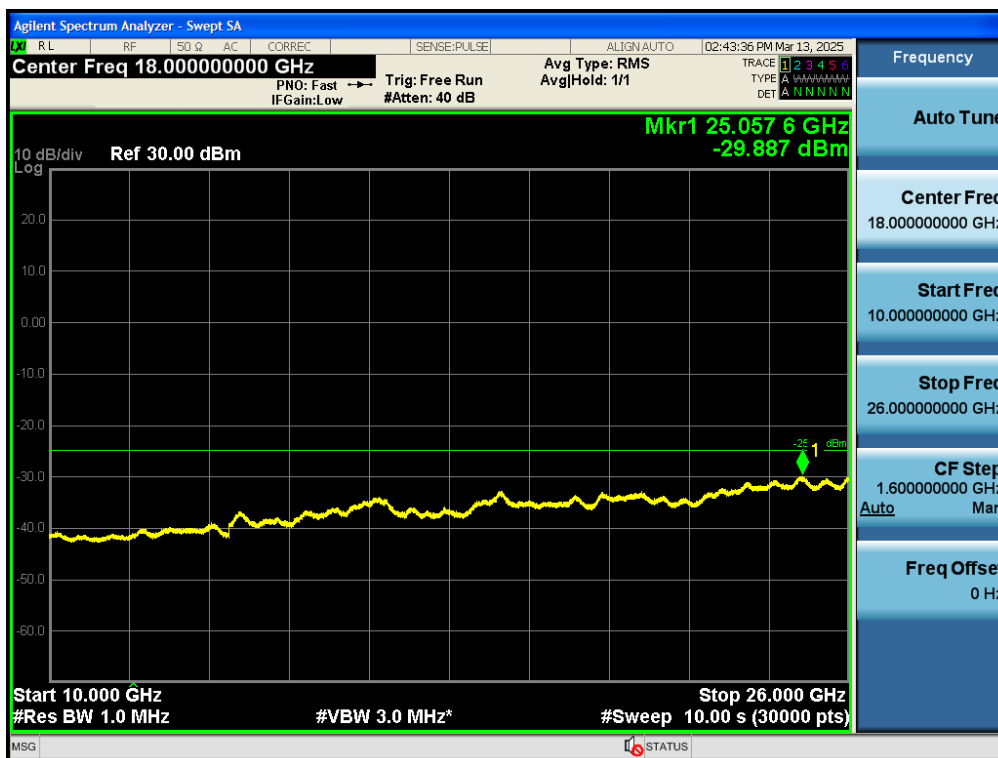
Test_Graph_band41_2593MHz_10M_QPSK_50RB#LOW_10G_26.0G_TX



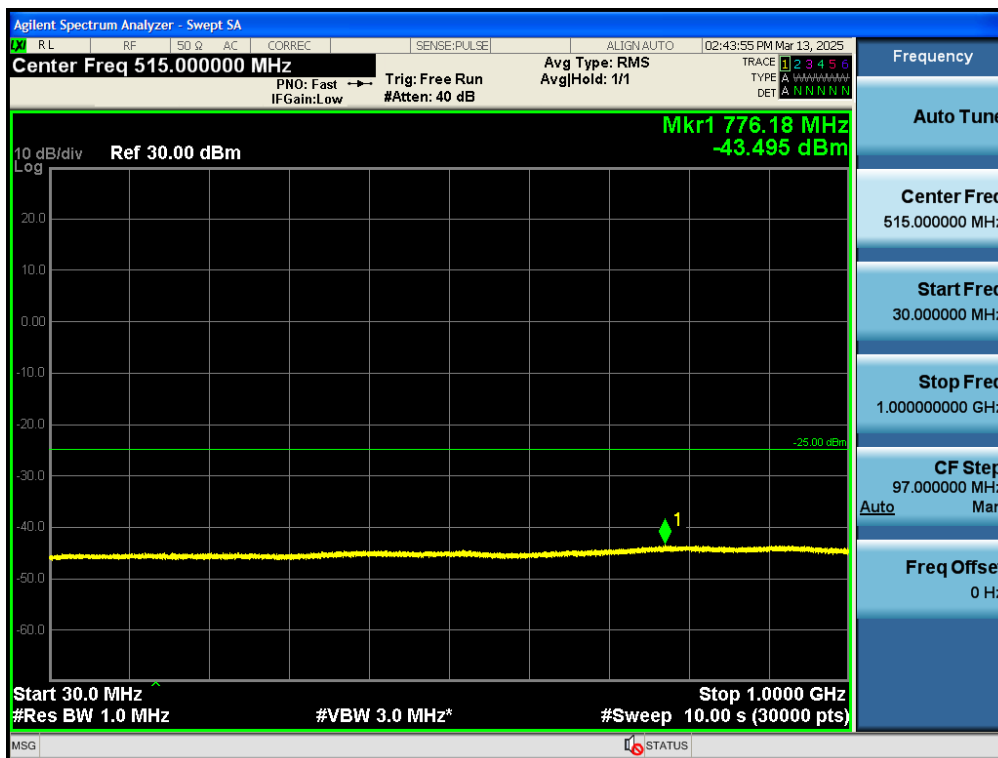
Test_Graph_band41_2685MHz_10M_QPSK_50RB#LOW_30M_1G_TX



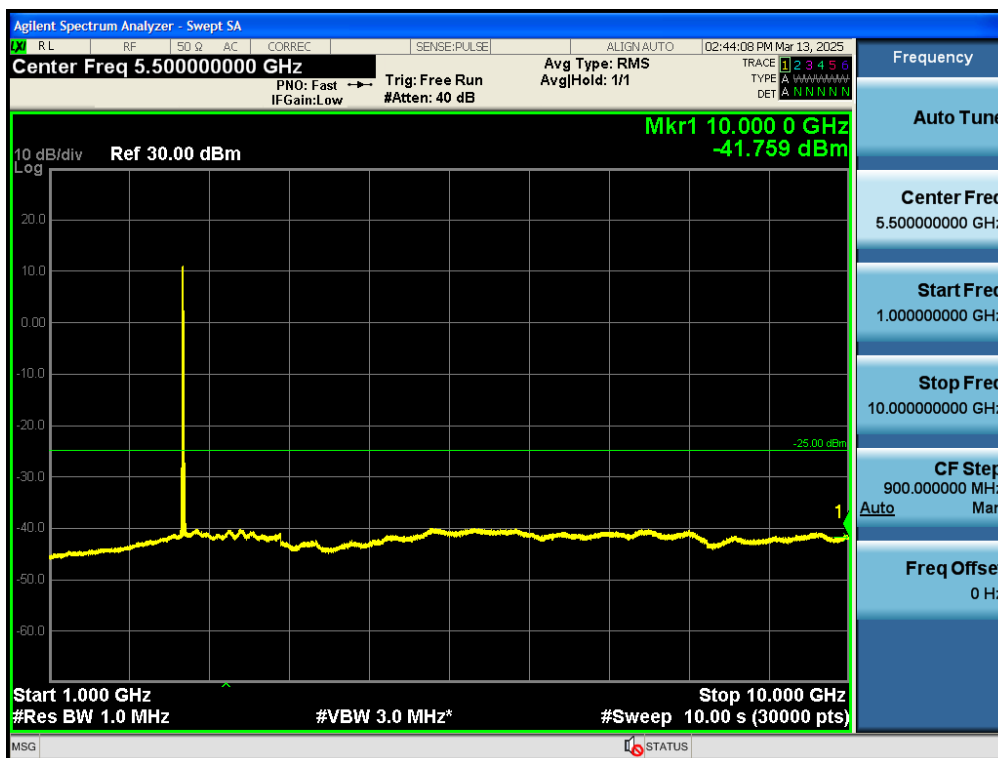
Test_Graph_band41_2685MHz_10M_QPSK_50RB#LOW_1G_10G_TX



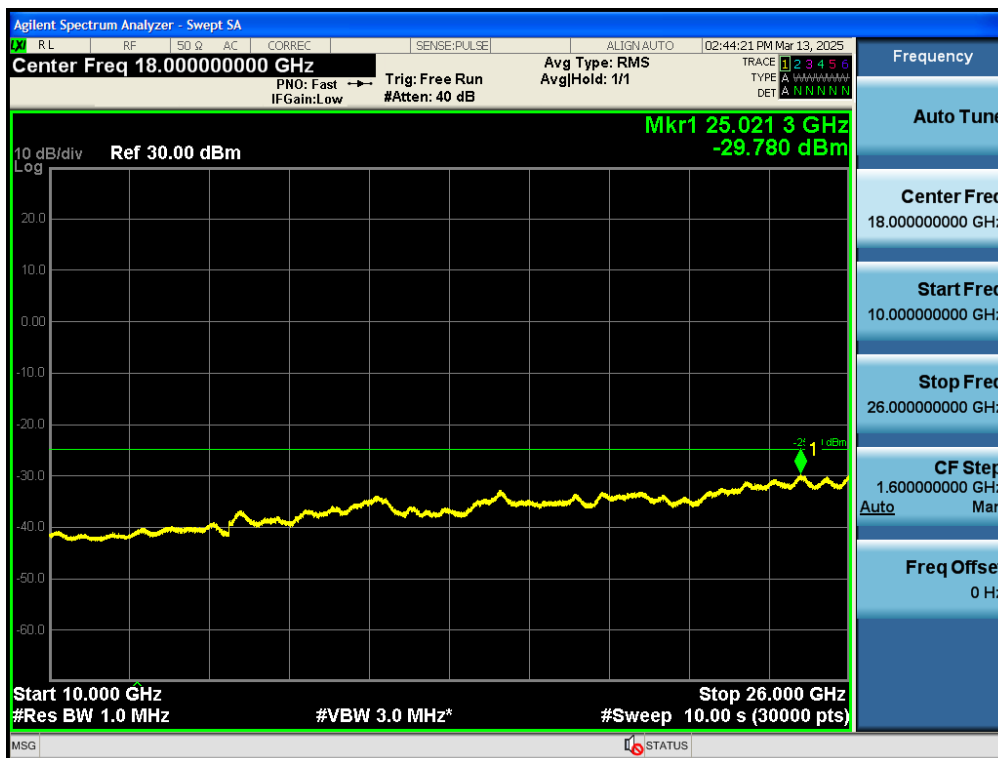
Test_Graph_band41_2685MHz_10M_QPSK_50RB#LOW_10G_26.0G_TX



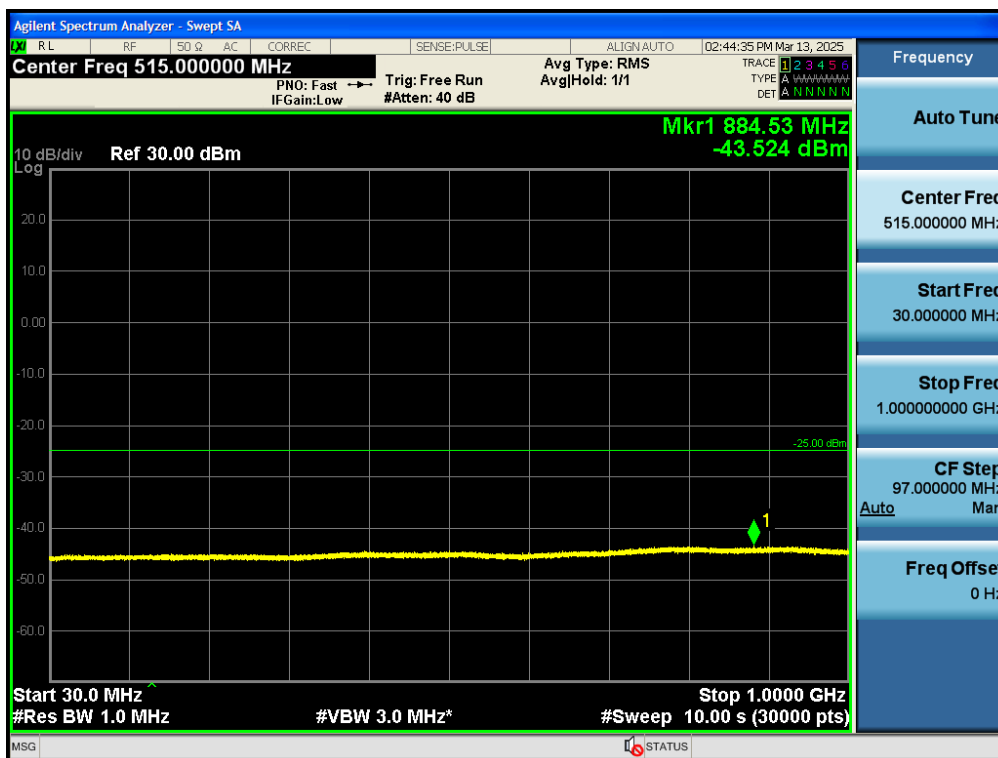
Test_Graph_band41_2503.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX



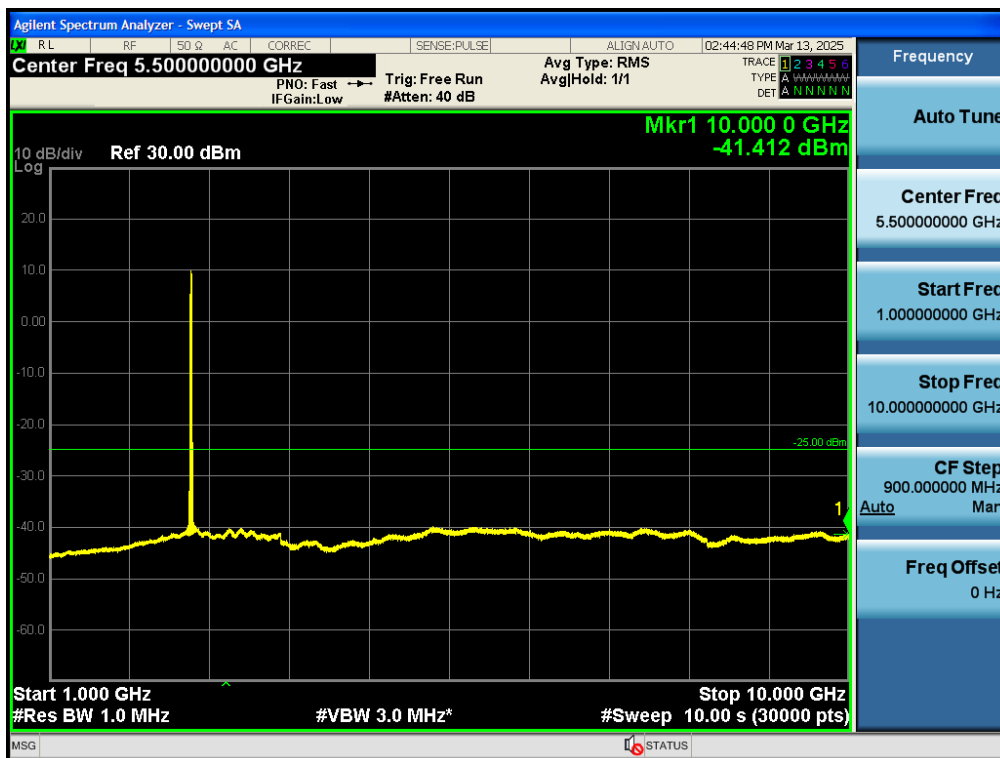
Test_Graph_band41_2503.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX



Test_Graph_band41_2503.5MHz_15M_QPSK_75RB#LOW_10G_26.0G_TX



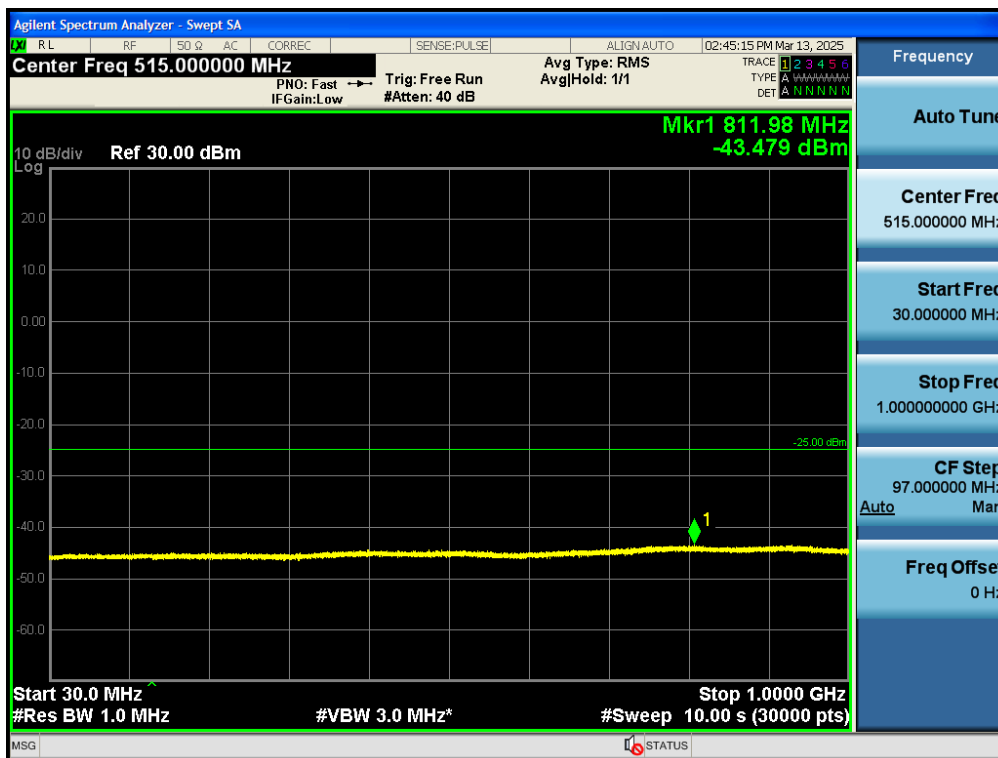
Test_Graph_band41_2593MHz_15M_QPSK_75RB#LOW_30M_1G_TX



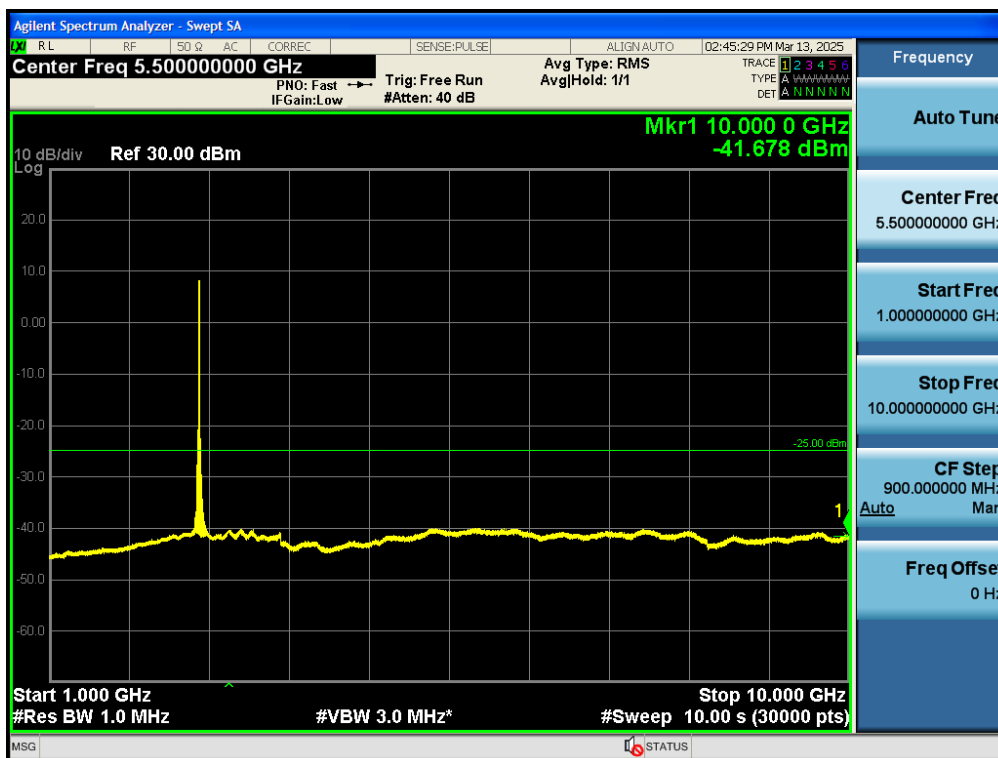
Test_Graph_band41_2593MHz_15M_QPSK_75RB#LOW_1G_10G_TX



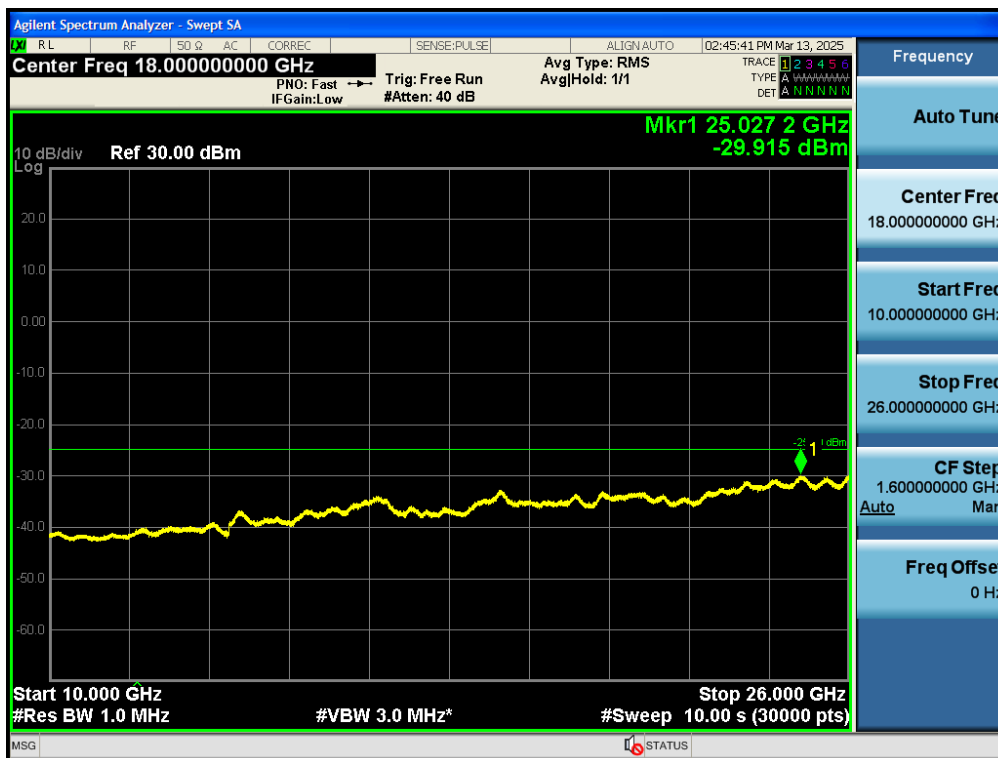
Test_Graph_band41_2593MHz_15M_QPSK_75RB#LOW_10G_26.0G_TX



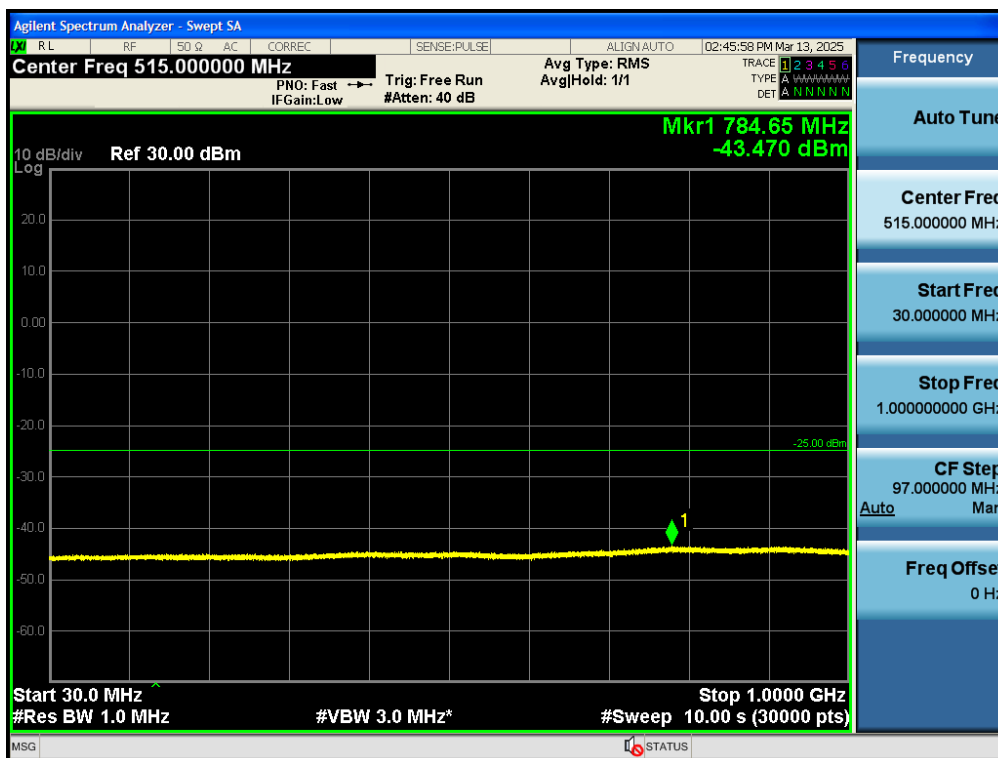
Test_Graph_band41_2682.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX



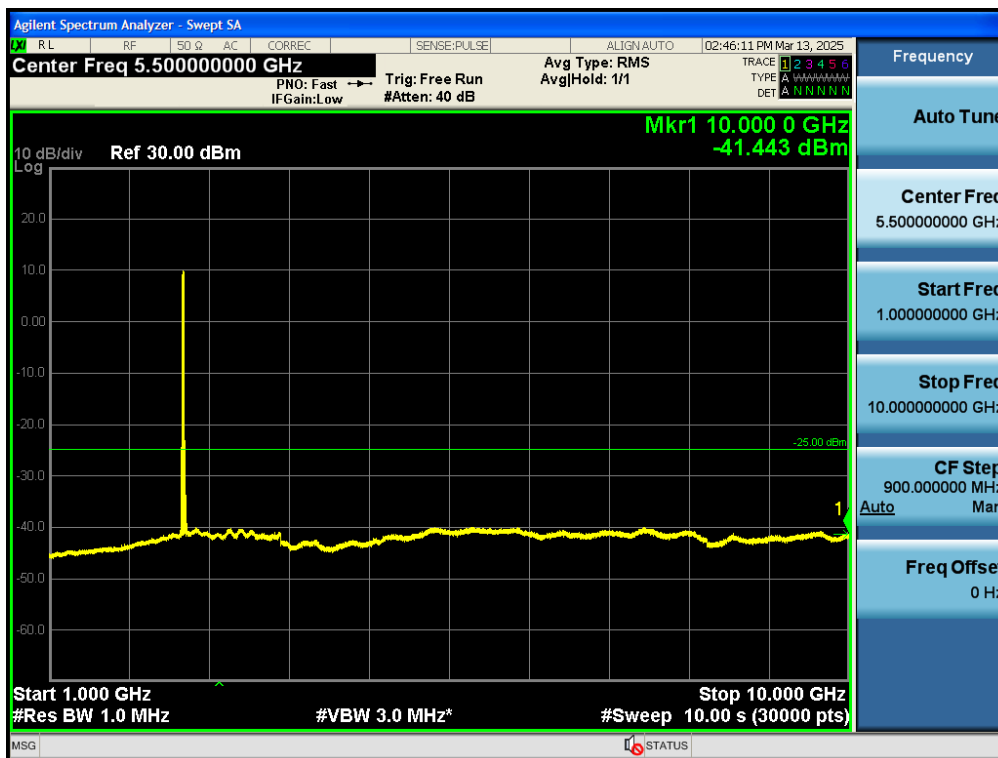
Test_Graph_band41_2682.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX



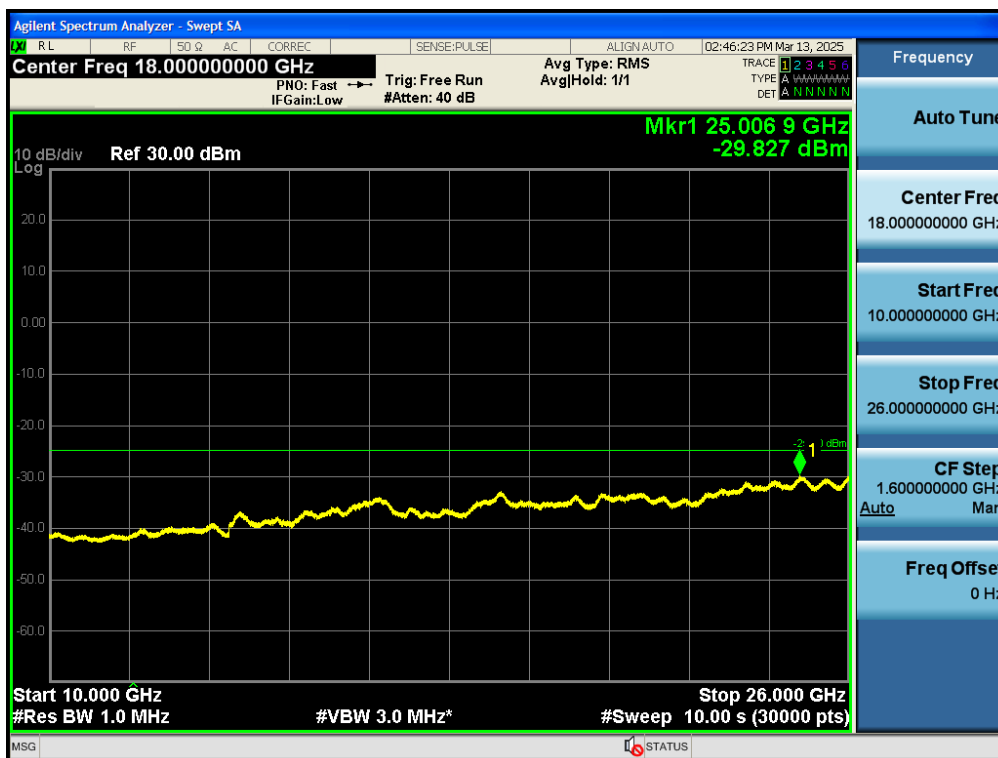
Test_Graph_band41_2682.5MHz_15M_QPSK_75RB#LOW_10G_26.0G_TX



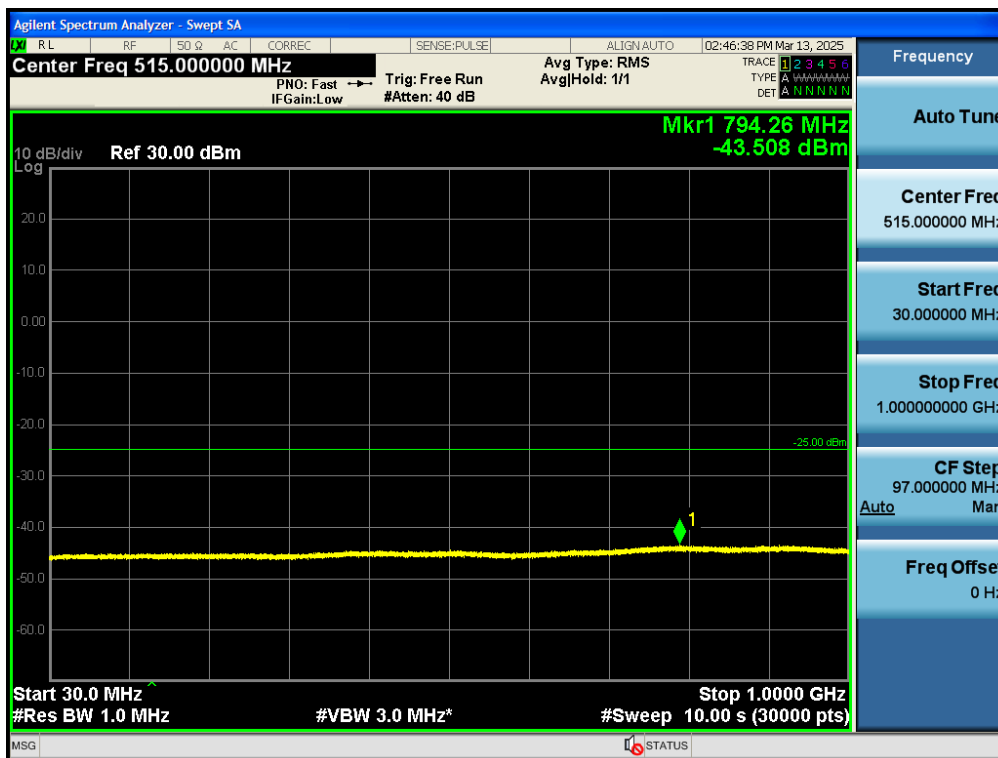
Test_Graph_band41_2506MHz_20M_QPSK_100RB#LOW_30M_1G_TX



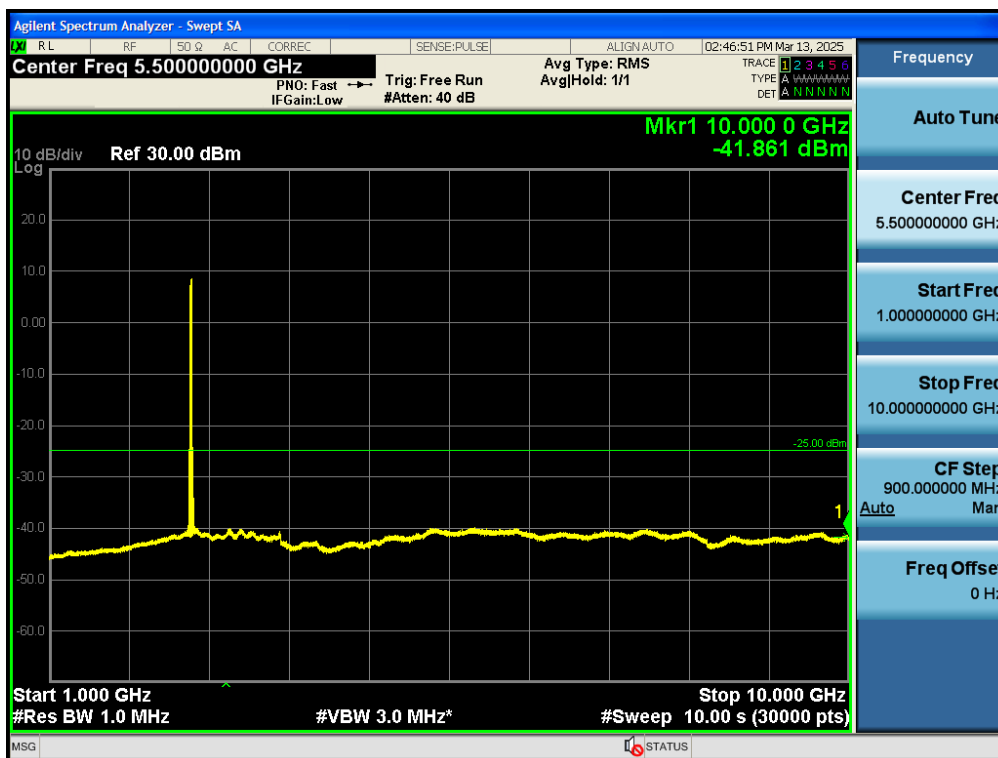
Test_Graph_band41_2506MHz_20M_QPSK_100RB#LOW_1G_10G_TX



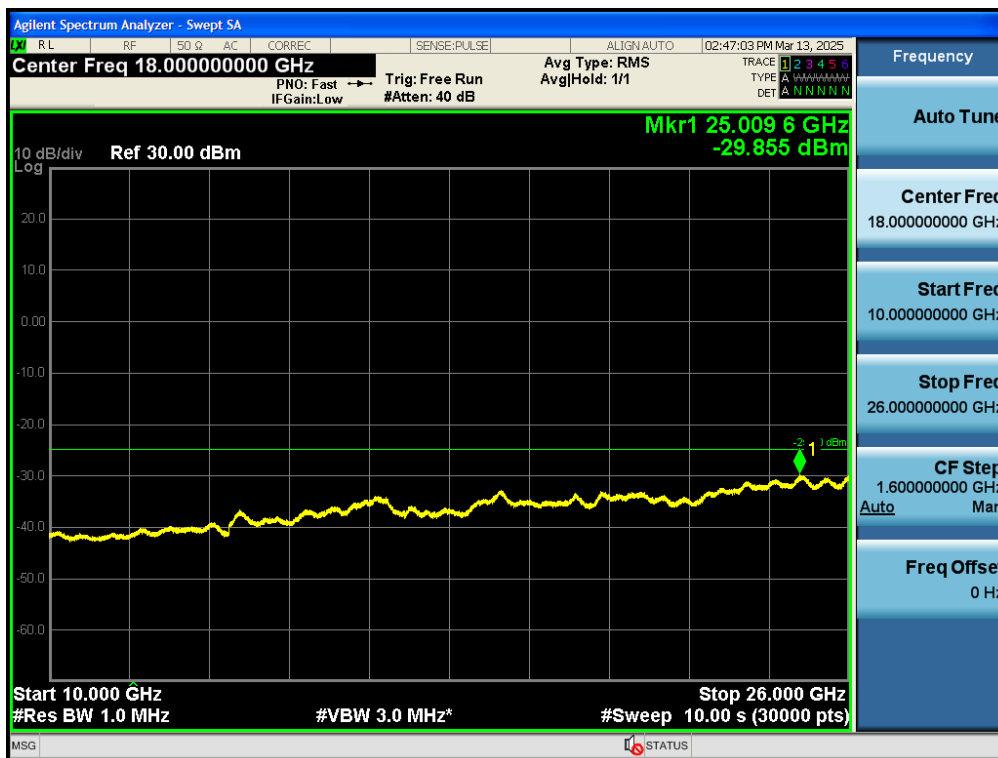
Test_Graph_band41_2506MHz_20M_QPSK_100RB#LOW_10G_26.0G_TX



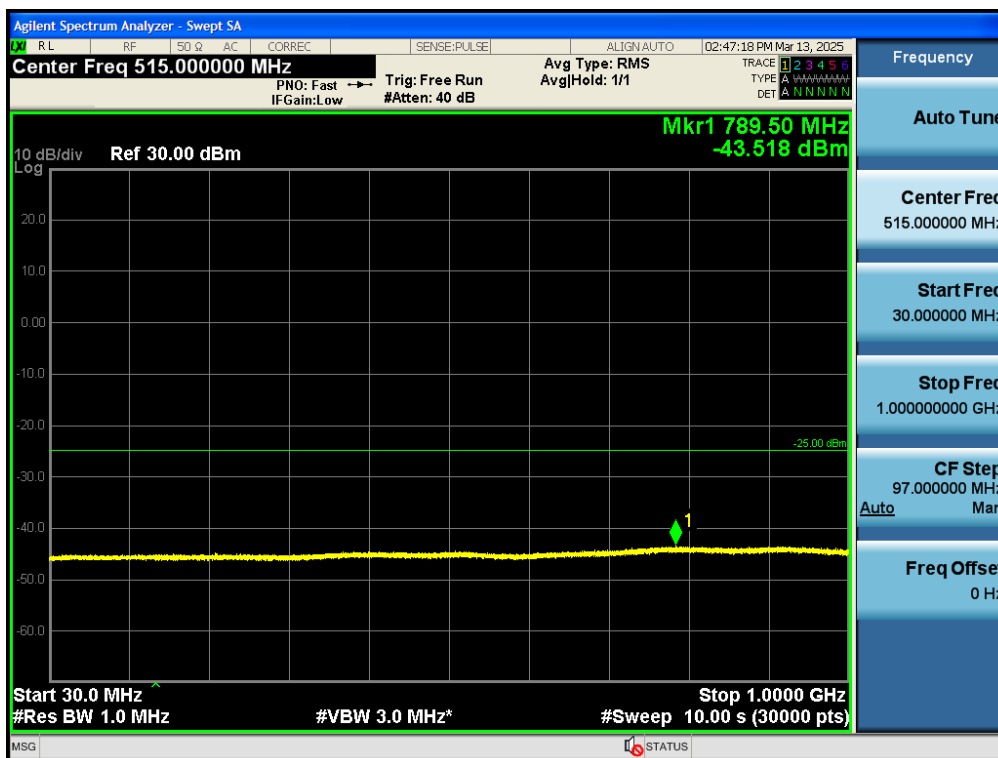
Test_Graph_band41_2593MHz_20M_QPSK_100RB#LOW_30M_1G_TX



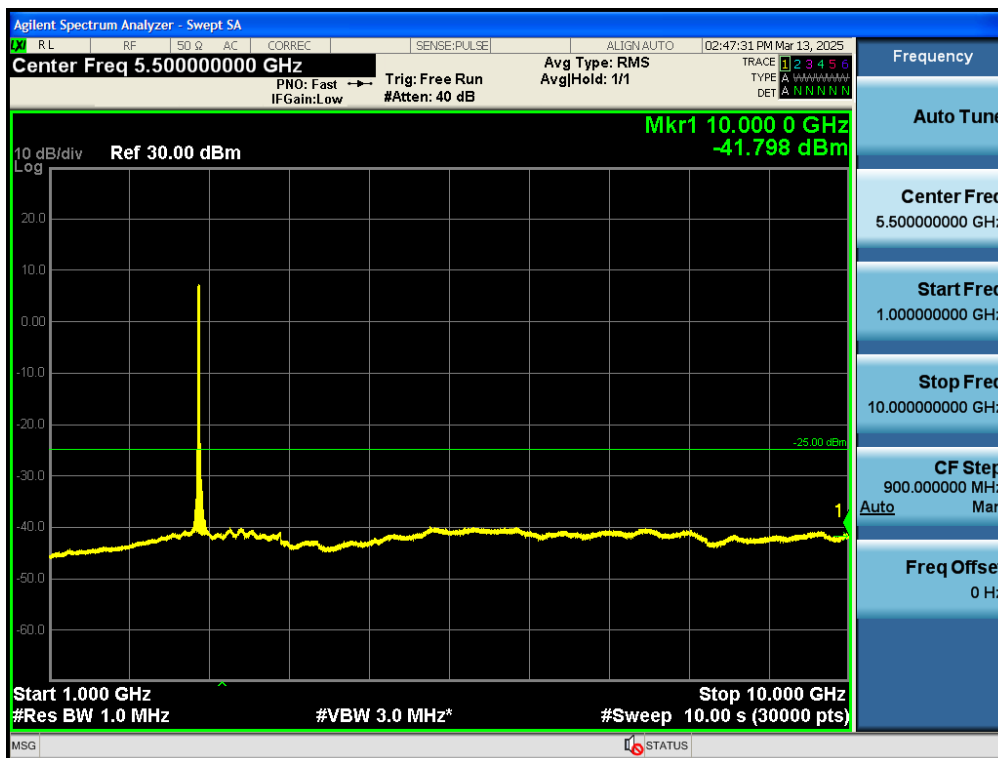
Test_Graph_band41_2593MHz_20M_QPSK_100RB#LOW_1G_10G_TX



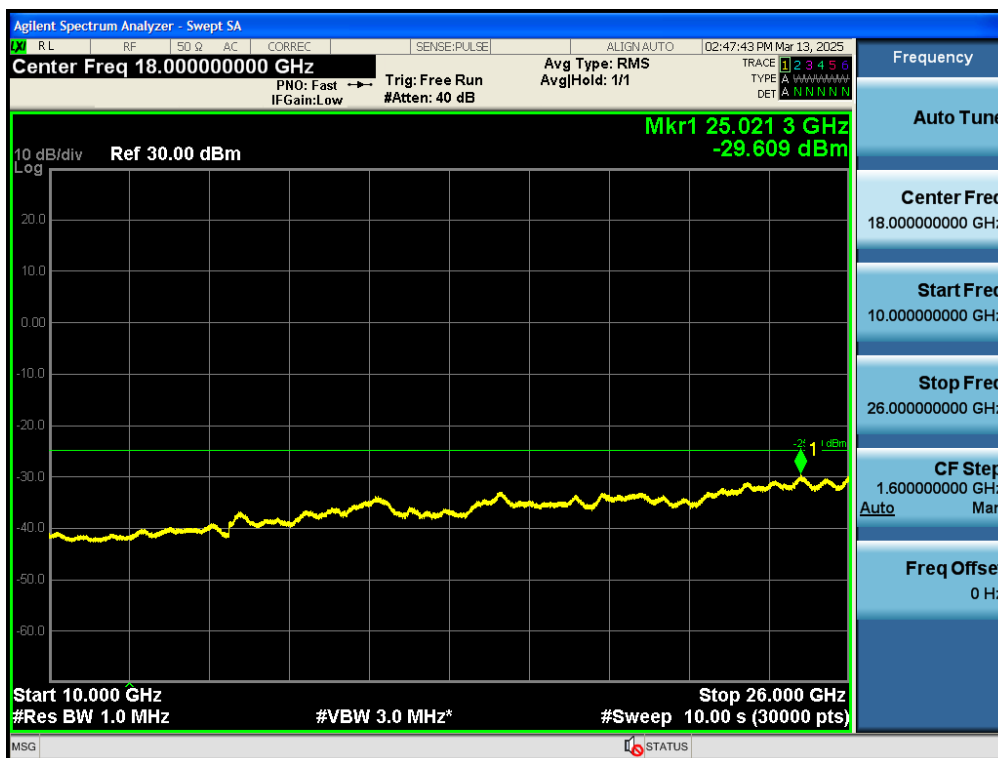
Test_Graph_band41_2593MHz_20M_QPSK_100RB#LOW_10G_26.0G_TX



Test_Graph_band41_2680MHz_20M_QPSK_100RB#LOW_30M_1G_TX



Test_Graph_band41_2680MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band41_2680MHz_20M_QPSK_100RB#LOW_10G_26.0G_TX

Appendix E: Frequency stability

Test Result

Test Conditions		LTE Band 41(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0070	
30	Normal Voltage	0.0072	
20(Ref.)	Normal Voltage	0.0051	
10	Normal Voltage	0.0073	
0	Normal Voltage	0.0080	
-10	Normal Voltage	0.0055	
-20	Normal Voltage	0.0080	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0059	
20	Battery End Point	0.0067	