

Appendix Test Data for LTE band 38 (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
38	5	2572.5	QPSK	25	LOW	19.88	25.9	6.02	13	0.47	20.35	33	Pass
38	5	2572.5	QPSK	12	LOW	19.84	25.5	5.66	13	0.47	20.31	33	Pass
38	5	2572.5	QPSK	12	MID	19.81	25.52	5.71	13	0.47	20.28	33	Pass
38	5	2572.5	QPSK	12	HIGH	19.88	25.54	5.66	13	0.47	20.35	33	Pass
38	5	2572.5	QPSK	1	LOW	20.92	25.38	4.46	13	0.47	21.39	33	Pass
38	5	2572.5	QPSK	1	MID	20.9	25.22	4.32	13	0.47	21.37	33	Pass
38	5	2572.5	QPSK	1	HIGH	20.96	25.37	4.41	13	0.47	21.43	33	Pass
38	5	2572.5	16QAM	25	LOW	18.83	25.45	6.62	13	0.47	19.30	33	Pass
38	5	2572.5	16QAM	12	LOW	18.87	25.51	6.64	13	0.47	19.34	33	Pass
38	5	2572.5	16QAM	12	MID	18.86	25.51	6.65	13	0.47	19.33	33	Pass
38	5	2572.5	16QAM	12	HIGH	18.89	25.68	6.79	13	0.47	19.36	33	Pass
38	5	2572.5	16QAM	1	LOW	20.08	25.31	5.23	13	0.47	20.55	33	Pass
38	5	2572.5	16QAM	1	MID	20.03	25.09	5.06	13	0.47	20.5	33	Pass
38	5	2572.5	16QAM	1	HIGH	20.16	25.31	5.15	13	0.47	20.63	33	Pass
38	5	2595	QPSK	25	LOW	19.93	25.77	5.84	13	0.47	20.4	33	Pass
38	5	2595	QPSK	12	LOW	19.96	25.28	5.32	13	0.47	20.43	33	Pass
38	5	2595	QPSK	12	MID	19.98	25.28	5.30	13	0.47	20.45	33	Pass
38	5	2595	QPSK	12	HIGH	19.99	25.31	5.32	13	0.47	20.46	33	Pass
38	5	2595	QPSK	1	LOW	21.05	25.31	4.26	13	0.47	21.52	33	Pass
38	5	2595	QPSK	1	MID	20.91	25.08	4.17	13	0.47	21.38	33	Pass
38	5	2595	QPSK	1	HIGH	21.01	25.18	4.17	13	0.47	21.48	33	Pass
38	5	2595	16QAM	25	LOW	19.04	25.97	6.93	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
38	5	2595	16QAM	12	LOW	18.99	25.17	6.18	13	0.47	19.46	33	Pass
38	5	2595	16QAM	12	MID	18.98	25.12	6.14	13	0.47	19.45	33	Pass
38	5	2595	16QAM	12	HIGH	19.03	25.18	6.15	13	0.47	19.5	33	Pass
38	5	2595	16QAM	1	LOW	20.23	24.67	4.44	13	0.47	20.7	33	Pass
38	5	2595	16QAM	1	MID	20.22	24.54	4.32	13	0.47	20.69	33	Pass
38	5	2595	16QAM	1	HIGH	20.23	24.65	4.42	13	0.47	20.7	33	Pass
38	5	2617.5	QPSK	25	LOW	19.94	25.6	5.66	13	0.47	20.41	33	Pass
38	5	2617.5	QPSK	12	LOW	19.94	25.48	5.54	13	0.47	20.41	33	Pass
38	5	2617.5	QPSK	12	MID	19.93	25.38	5.45	13	0.47	20.4	33	Pass
38	5	2617.5	QPSK	12	HIGH	20	25.46	5.46	13	0.47	20.47	33	Pass
38	5	2617.5	QPSK	1	LOW	20.85	25.84	4.99	13	0.47	21.32	33	Pass
38	5	2617.5	QPSK	1	MID	20.78	25.61	4.83	13	0.47	21.25	33	Pass
38	5	2617.5	QPSK	1	HIGH	20.9	25.75	4.85	13	0.47	21.37	33	Pass
38	5	2617.5	16QAM	25	LOW	19.06	25.45	6.39	13	0.47	19.53	33	Pass
38	5	2617.5	16QAM	12	LOW	19.11	25.2	6.09	13	0.47	19.58	33	Pass
38	5	2617.5	16QAM	12	MID	19.11	25.21	6.10	13	0.47	19.58	33	Pass
38	5	2617.5	16QAM	12	HIGH	19.15	25.17	6.02	13	0.47	19.62	33	Pass
38	5	2617.5	16QAM	1	LOW	20.23	25.34	5.11	13	0.47	20.7	33	Pass
38	5	2617.5	16QAM	1	MID	20.19	25.18	4.99	13	0.47	20.66	33	Pass
38	5	2617.5	16QAM	1	HIGH	20.31	25.37	5.06	13	0.47	20.78	33	Pass
38	10	2575	QPSK	50	LOW	19.76	26.09	6.33	13	0.47	20.23	33	Pass
38	10	2575	QPSK	25	LOW	19.7	25.49	5.79	13	0.47	20.17	33	Pass
38	10	2575	QPSK	25	MID	19.76	25.56	5.80	13	0.47	20.23	33	Pass
38	10	2575	QPSK	25	HIGH	19.88	25.65	5.77	13	0.47	20.35	33	Pass
38	10	2575	QPSK	1	LOW	21	25.4	4.40	13	0.47	21.47	33	Pass
38	10	2575	QPSK	1	MID	20.81	25.11	4.30	13	0.47	21.28	33	Pass
38	10	2575	QPSK	1	HIGH	21.12	25.45	4.33	13	0.47	21.59	33	Pass
38	10	2575	16QAM	25	LOW	18.77	25.48	6.71	13	0.47	19.24	33	Pass
38	10	2575	16QAM	25	MID	18.83	25.48	6.65	13	0.47	19.30	33	Pass
38	10	2575	16QAM	25	HIGH	18.94	25.49	6.55	13	0.47	19.41	33	Pass
38	10	2575	16QAM	1	LOW	20.02	25.06	5.04	13	0.47	20.49	33	Pass
38	10	2575	16QAM	1	MID	19.95	24.88	4.93	13	0.47	20.42	33	Pass
38	10	2575	16QAM	1	HIGH	20.2	25.15	4.95	13	0.47	20.67	33	Pass
38	10	2595	QPSK	50	LOW	19.81	25.88	6.07	13	0.47	20.28	33	Pass
38	10	2595	QPSK	25	LOW	19.79	25.44	5.65	13	0.47	20.26	33	Pass
38	10	2595	QPSK	25	MID	19.82	25.4	5.58	13	0.47	20.29	33	Pass
38	10	2595	QPSK	25	HIGH	19.86	25.45	5.59	13	0.47	20.33	33	Pass
38	10	2595	QPSK	1	LOW	21.11	25.76	4.65	13	0.47	21.58	33	Pass
38	10	2595	QPSK	1	MID	20.86	25.38	4.52	13	0.47	21.33	33	Pass
38	10	2595	QPSK	1	HIGH	21.04	25.57	4.53	13	0.47	21.51	33	Pass
38	10	2595	16QAM	25	LOW	18.92	25.71	6.79	13	0.47	19.39	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
38	10	2595	16QAM	25	MID	18.93	25.79	6.86	13	0.47	19.4	33	Pass
38	10	2595	16QAM	25	HIGH	18.99	25.84	6.85	13	0.47	19.46	33	Pass
38	10	2595	16QAM	1	LOW	20.26	25.3	5.04	13	0.47	20.73	33	Pass
38	10	2595	16QAM	1	MID	20.17	25.01	4.84	13	0.47	20.64	33	Pass
38	10	2595	16QAM	1	HIGH	20.22	25.17	4.95	13	0.47	20.69	33	Pass
38	10	2615	QPSK	50	LOW	19.81	25.55	5.74	13	0.47	20.28	33	Pass
38	10	2615	QPSK	25	LOW	19.81	25.18	5.37	13	0.47	20.28	33	Pass
38	10	2615	QPSK	25	MID	19.8	25.27	5.47	13	0.47	20.27	33	Pass
38	10	2615	QPSK	25	HIGH	19.78	25.2	5.42	13	0.47	20.25	33	Pass
38	10	2615	QPSK	1	LOW	20.86	25.21	4.35	13	0.47	21.33	33	Pass
38	10	2615	QPSK	1	MID	20.66	24.87	4.21	13	0.47	21.13	33	Pass
38	10	2615	QPSK	1	HIGH	20.93	25.13	4.20	13	0.47	21.4	33	Pass
38	10	2615	16QAM	25	LOW	18.88	25.29	6.41	13	0.47	19.35	33	Pass
38	10	2615	16QAM	25	MID	18.89	25.27	6.38	13	0.47	19.36	33	Pass
38	10	2615	16QAM	25	HIGH	18.9	25.15	6.25	13	0.47	19.37	33	Pass
38	10	2615	16QAM	1	LOW	20.21	25.78	5.57	13	0.47	20.68	33	Pass
38	10	2615	16QAM	1	MID	20.08	25.46	5.38	13	0.47	20.55	33	Pass
38	10	2615	16QAM	1	HIGH	20.24	25.63	5.39	13	0.47	20.71	33	Pass
38	15	2577.5	QPSK	75	LOW	19.91	26.13	6.22	13	0.47	20.38	33	Pass
38	15	2577.5	QPSK	38	LOW	19.98	26.3	6.32	13	0.47	20.45	33	Pass
38	15	2577.5	QPSK	38	MID	19.97	26.1	6.13	13	0.47	20.44	33	Pass
38	15	2577.5	QPSK	38	HIGH	19.96	25.97	6.01	13	0.47	20.43	33	Pass
38	15	2577.5	QPSK	1	LOW	20.93	25.33	4.40	13	0.47	21.4	33	Pass
38	15	2577.5	QPSK	1	MID	21.03	25.27	4.24	13	0.47	21.5	33	Pass
38	15	2577.5	QPSK	1	HIGH	21.02	25.34	4.32	13	0.47	21.49	33	Pass
38	15	2577.5	16QAM	1	LOW	20.09	25.1	5.01	13	0.47	20.56	33	Pass
38	15	2577.5	16QAM	1	MID	20.17	25.03	4.86	13	0.47	20.64	33	Pass
38	15	2577.5	16QAM	1	HIGH	20.16	25.08	4.92	13	0.47	20.63	33	Pass
38	15	2595	QPSK	75	LOW	19.97	26.33	6.36	13	0.47	20.44	33	Pass
38	15	2595	QPSK	38	LOW	19.95	26.14	6.19	13	0.47	20.42	33	Pass
38	15	2595	QPSK	38	MID	19.99	26.38	6.39	13	0.47	20.46	33	Pass
38	15	2595	QPSK	38	HIGH	19.98	26.18	6.20	13	0.47	20.45	33	Pass
38	15	2595	QPSK	1	LOW	21.14	25.77	4.63	13	0.47	21.61	33	Pass
38	15	2595	QPSK	1	MID	21.06	25.49	4.43	13	0.47	21.53	33	Pass
38	15	2595	QPSK	1	HIGH	20.98	25.5	4.52	13	0.47	21.45	33	Pass
38	15	2595	16QAM	1	LOW	20.27	25.3	5.03	13	0.47	20.74	33	Pass
38	15	2595	16QAM	1	MID	20.26	25.13	4.87	13	0.47	20.73	33	Pass
38	15	2595	16QAM	1	HIGH	20.25	25.16	4.91	13	0.47	20.72	33	Pass
38	15	2612.5	QPSK	75	LOW	19.96	26.08	6.12	13	0.47	20.43	33	Pass
38	15	2612.5	QPSK	38	LOW	19.96	25.96	6	13	0.47	20.43	33	Pass
38	15	2612.5	QPSK	38	MID	19.96	25.97	6.01	13	0.47	20.43	33	Pass

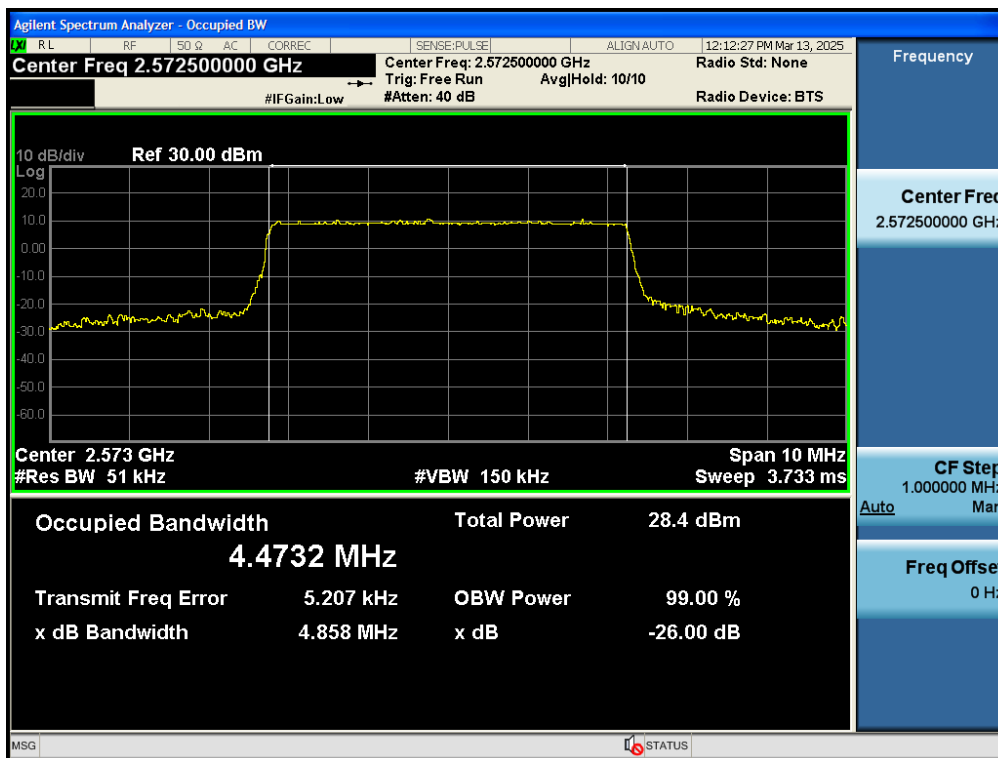
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
38	15	2612.5	QPSK	38	HIGH	19.95	26.06	6.11	13	0.47	20.42	33	Pass
38	15	2612.5	QPSK	1	LOW	20.96	25.62	4.66	13	0.47	21.43	33	Pass
38	15	2612.5	QPSK	1	MID	20.8	25.32	4.52	13	0.47	21.27	33	Pass
38	15	2612.5	QPSK	1	HIGH	20.89	25.41	4.52	13	0.47	21.36	33	Pass
38	15	2612.5	16QAM	1	LOW	20.58	25.83	5.25	13	0.47	21.05	33	Pass
38	15	2612.5	16QAM	1	MID	20.44	25.49	5.05	13	0.47	20.91	33	Pass
38	15	2612.5	16QAM	1	HIGH	20.56	25.67	5.11	13	0.47	21.03	33	Pass
38	20	2580	QPSK	100	LOW	19.93	26.59	6.66	13	0.47	20.4	33	Pass
38	20	2580	QPSK	50	LOW	19.93	25.96	6.03	13	0.47	20.4	33	Pass
38	20	2580	QPSK	50	MID	19.92	25.89	5.97	13	0.47	20.39	33	Pass
38	20	2580	QPSK	50	HIGH	19.96	25.95	5.99	13	0.47	20.43	33	Pass
38	20	2580	QPSK	1	LOW	21.05	25.51	4.46	13	0.47	21.52	33	Pass
38	20	2580	QPSK	1	MID	21.06	25.36	4.30	13	0.47	21.53	33	Pass
38	20	2580	QPSK	1	HIGH	21.08	25.41	4.33	13	0.47	21.55	33	Pass
38	20	2580	16QAM	1	LOW	20.08	25.33	5.25	13	0.47	20.55	33	Pass
38	20	2580	16QAM	1	MID	20.26	25.33	5.07	13	0.47	20.73	33	Pass
38	20	2580	16QAM	1	HIGH	20.29	25.38	5.09	13	0.47	20.76	33	Pass
38	20	2595	QPSK	100	LOW	19.96	25.92	5.96	13	0.47	20.43	33	Pass
38	20	2595	QPSK	50	LOW	20.02	25.86	5.84	13	0.47	20.49	33	Pass
38	20	2595	QPSK	50	MID	20.01	25.8	5.79	13	0.47	20.48	33	Pass
38	20	2595	QPSK	50	HIGH	20.02	25.7	5.68	13	0.47	20.49	33	Pass
38	20	2595	QPSK	1	LOW	21.09	25.54	4.45	13	0.47	21.56	33	Pass
38	20	2595	QPSK	1	MID	20.96	25.26	4.30	13	0.47	21.43	33	Pass
38	20	2595	QPSK	1	HIGH	20.94	25.26	4.32	13	0.47	21.41	33	Pass
38	20	2595	16QAM	1	LOW	20.41	25.59	5.18	13	0.47	20.88	33	Pass
38	20	2595	16QAM	1	MID	20.4	25.38	4.98	13	0.47	20.87	33	Pass
38	20	2595	16QAM	1	HIGH	20.31	25.29	4.98	13	0.47	20.78	33	Pass
38	20	2610	QPSK	100	LOW	20.01	25.94	5.93	13	0.47	20.48	33	Pass
38	20	2610	QPSK	50	LOW	20.05	25.67	5.62	13	0.47	20.52	33	Pass
38	20	2610	QPSK	50	MID	20.04	25.66	5.62	13	0.47	20.51	33	Pass
38	20	2610	QPSK	50	HIGH	19.96	25.53	5.57	13	0.47	20.43	33	Pass
38	20	2610	QPSK	1	LOW	21.02	25.64	4.62	13	0.47	21.49	33	Pass
38	20	2610	QPSK	1	MID	20.91	25.35	4.44	13	0.47	21.38	33	Pass
38	20	2610	QPSK	1	HIGH	20.92	25.34	4.42	13	0.47	21.39	33	Pass
38	20	2610	16QAM	1	LOW	20.29	25.38	5.09	13	0.47	20.76	33	Pass
38	20	2610	16QAM	1	MID	20.29	25.19	4.90	13	0.47	20.76	33	Pass
38	20	2610	16QAM	1	HIGH	20.24	25.15	4.91	13	0.47	20.71	33	Pass

Appendix B: Occupied bandwidth

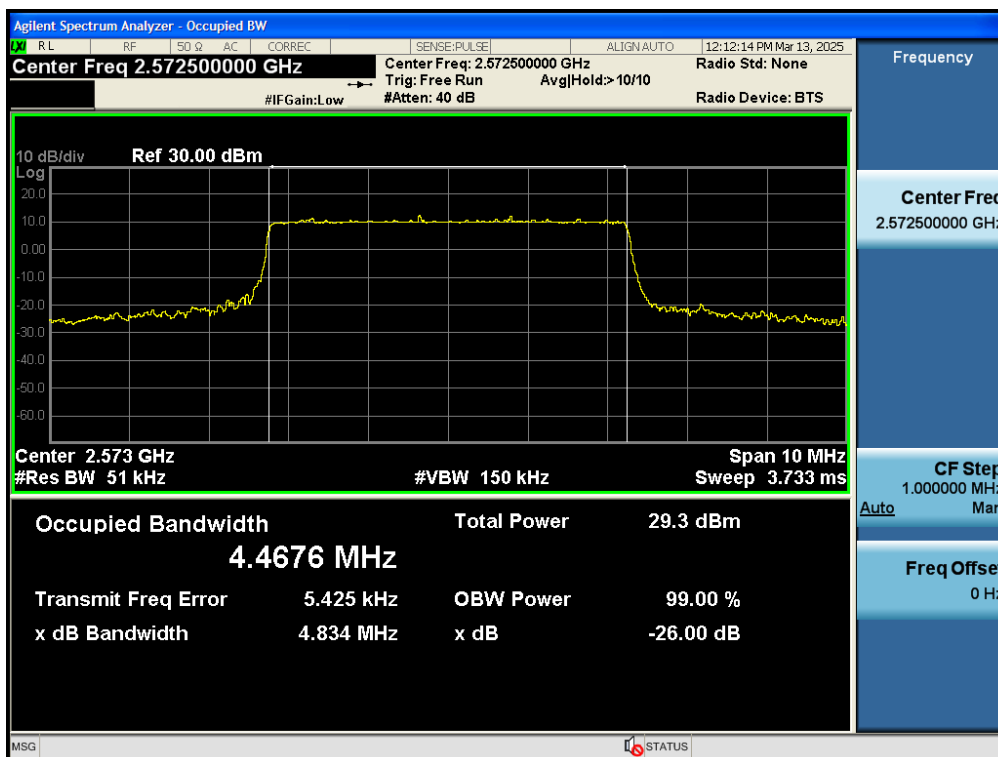
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
38	5	2572.5	QPSK	25	LOW	4.468	4.834	No limit
38	5	2572.5	16QAM	25	LOW	4.473	4.858	No limit
38	5	2595	QPSK	25	LOW	4.471	4.881	No limit
38	5	2595	16QAM	25	LOW	4.466	4.835	No limit
38	5	2617.5	QPSK	25	LOW	4.487	4.815	No limit
38	5	2617.5	16QAM	25	LOW	4.464	4.849	No limit
38	10	2575	QPSK	50	LOW	8.954	9.792	No limit
38	10	2595	QPSK	50	LOW	8.95	9.689	No limit
38	10	2615	QPSK	50	LOW	19.795	20	No limit
38	15	2577.5	QPSK	75	LOW	13.426	14.314	No limit
38	15	2595	QPSK	75	LOW	13.401	14.239	No limit
38	15	2612.5	QPSK	75	LOW	13.431	14.443	No limit
38	20	2580	QPSK	100	LOW	17.846	18.788	No limit
38	20	2595	QPSK	100	LOW	17.853	18.862	No limit
38	20	2610	QPSK	100	LOW	17.869	19.038	No limit

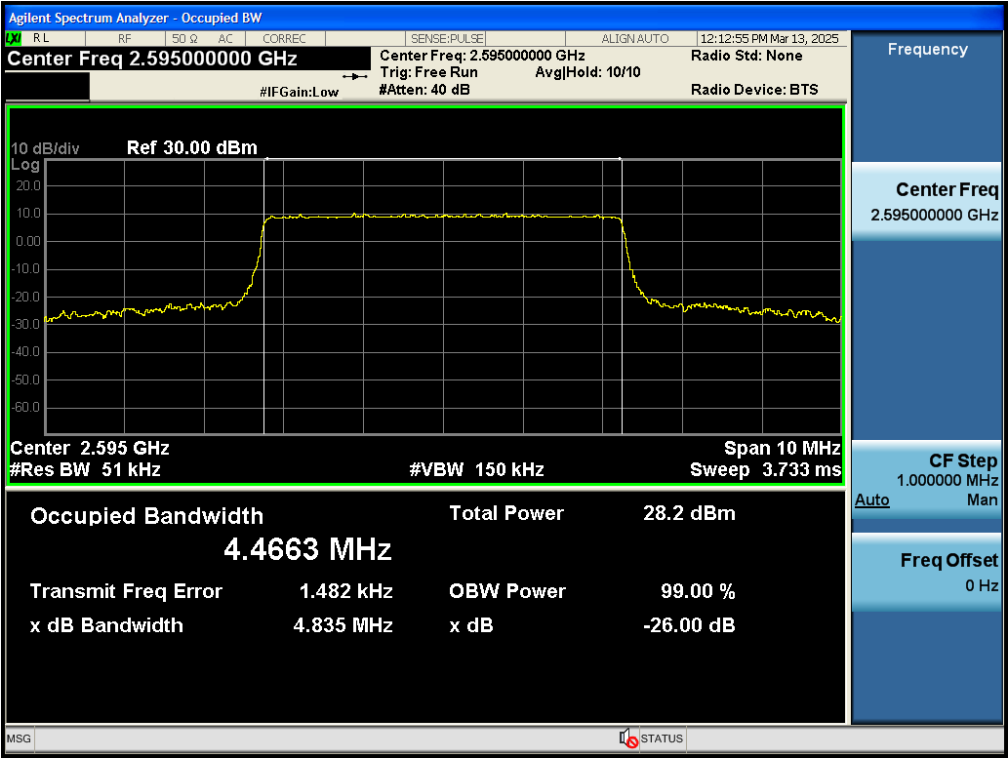
Test Graphs



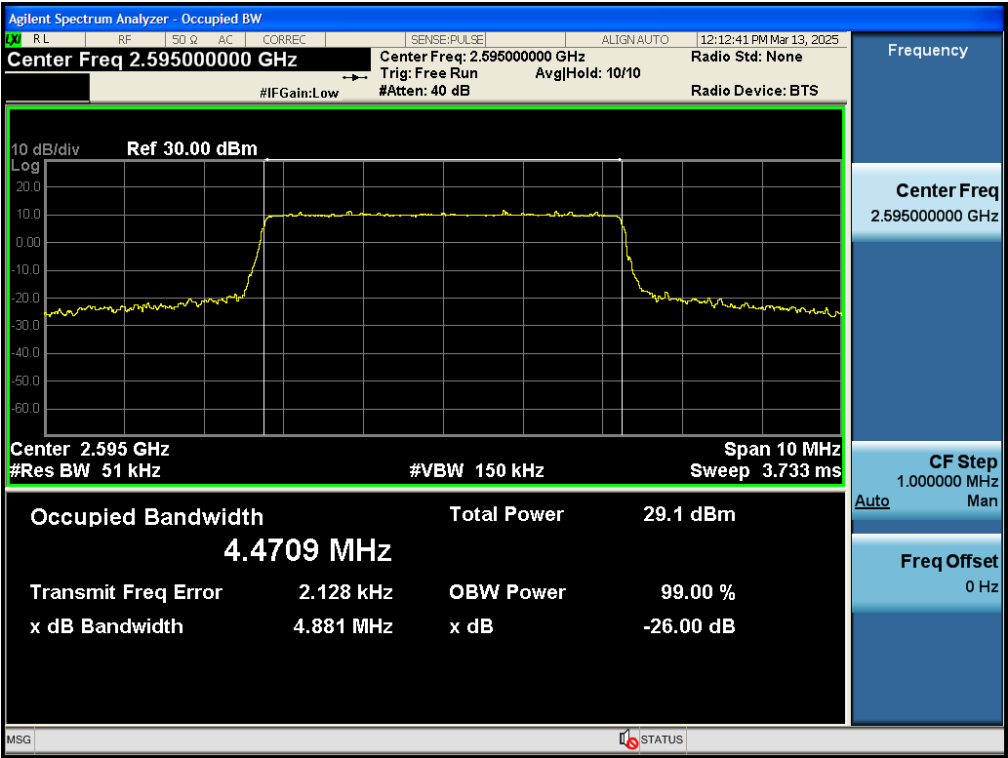
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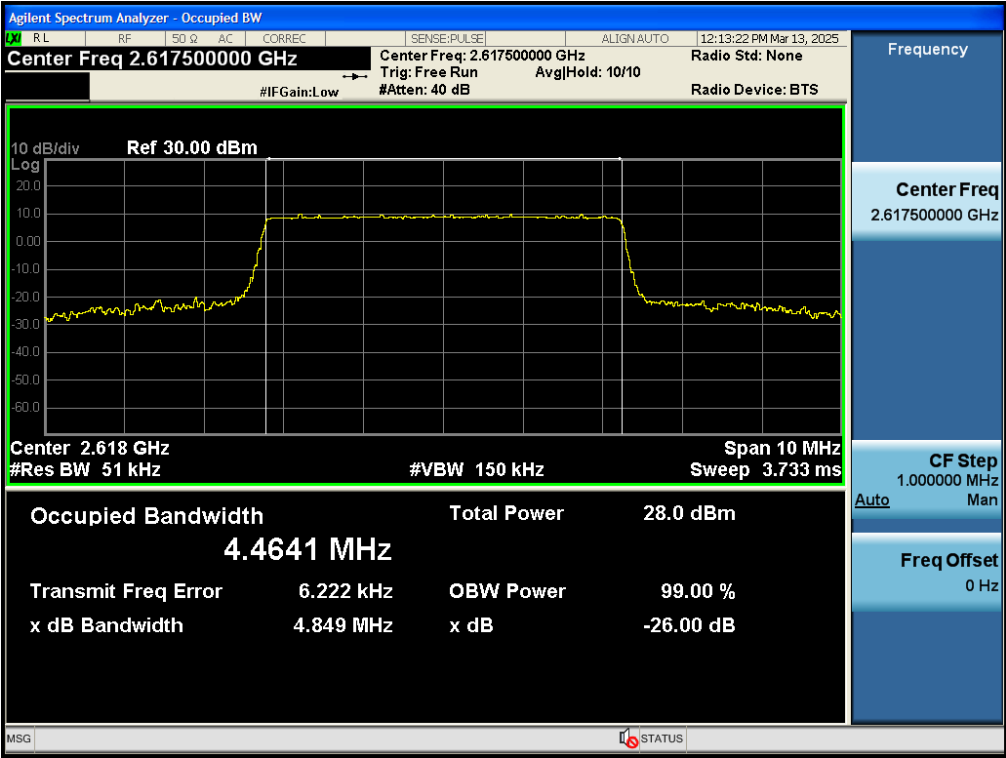
Test_Graph_band38_2572.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



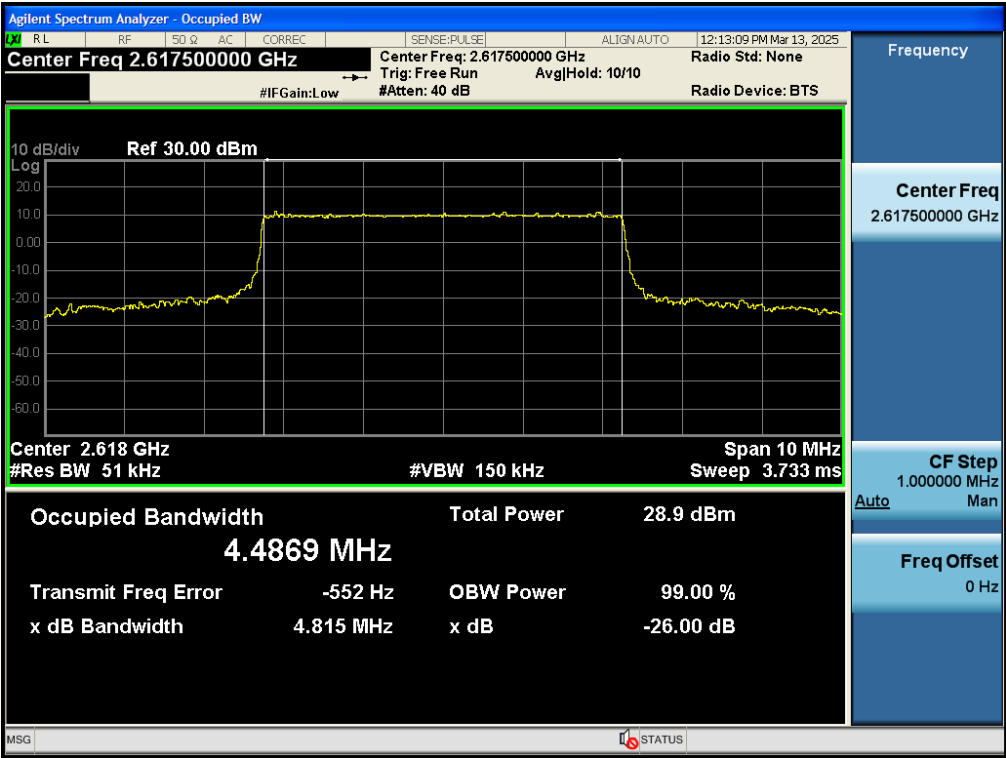
Test_Graph_band38_2595MHz_5M_16QAM_25RB#LOW_OBW&EBW



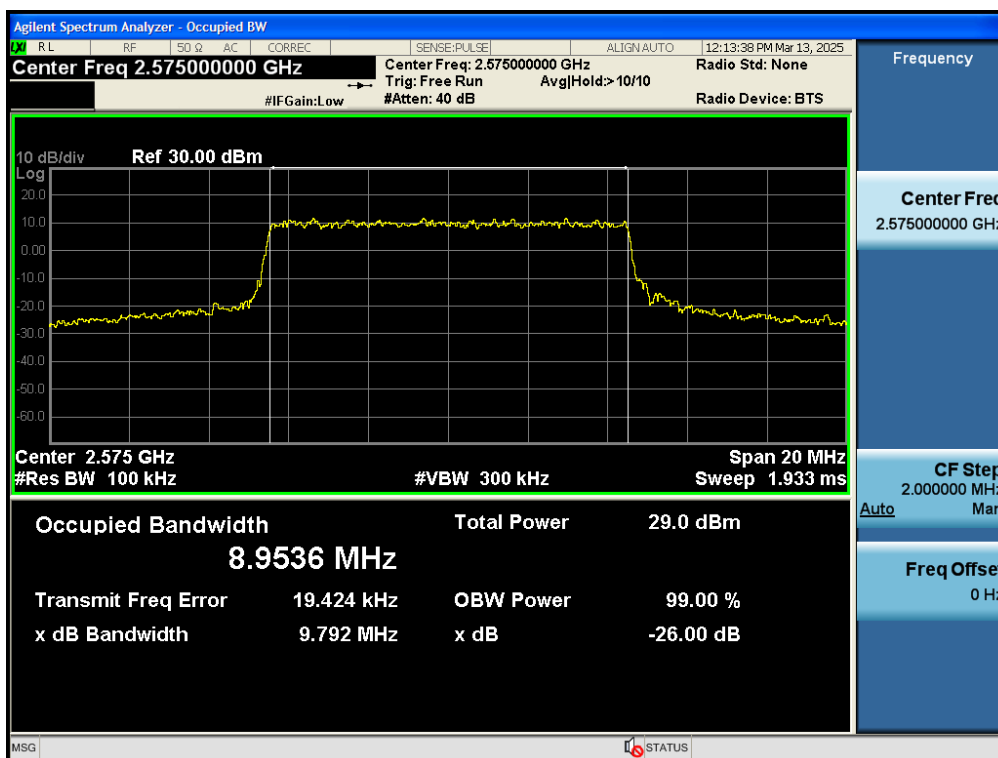
Test_Graph_band38_2595MHz_5M_QPSK_25RB#LOW_OBW&EBW



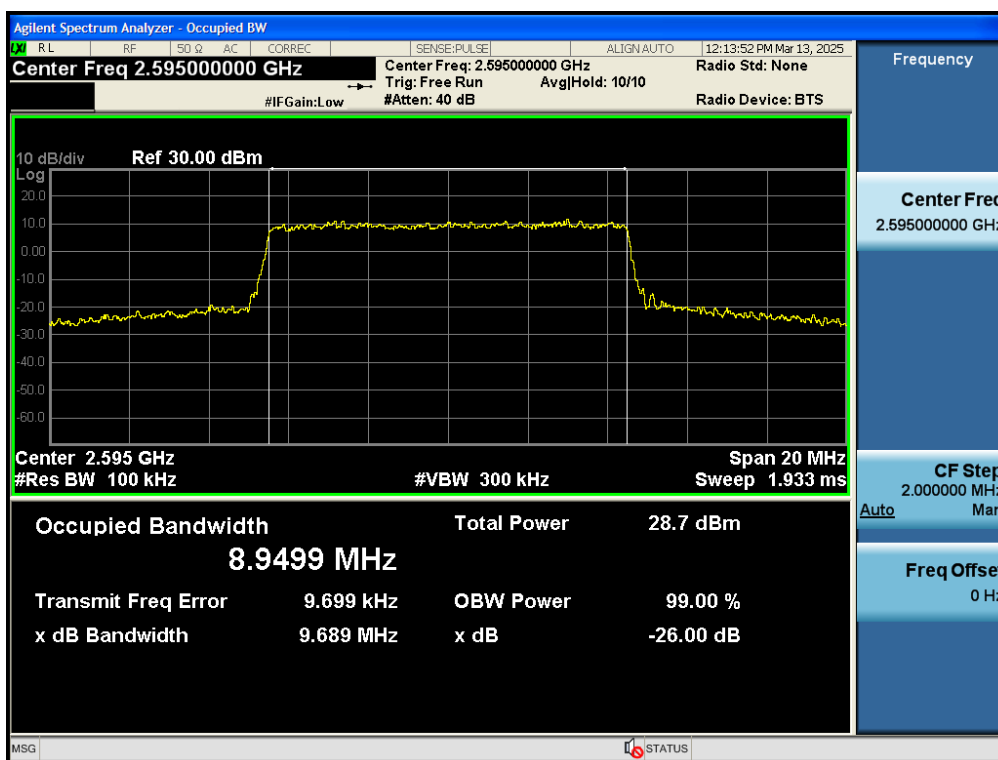
Test_Graph_band38_2617.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



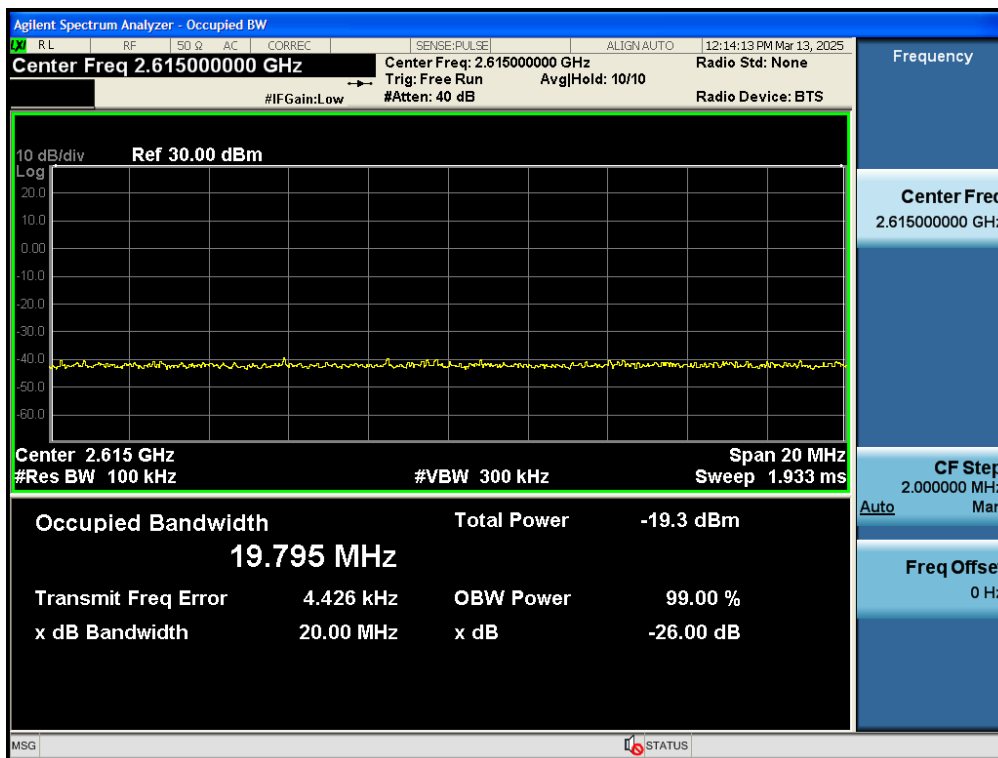
Test_Graph_band38_2617.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



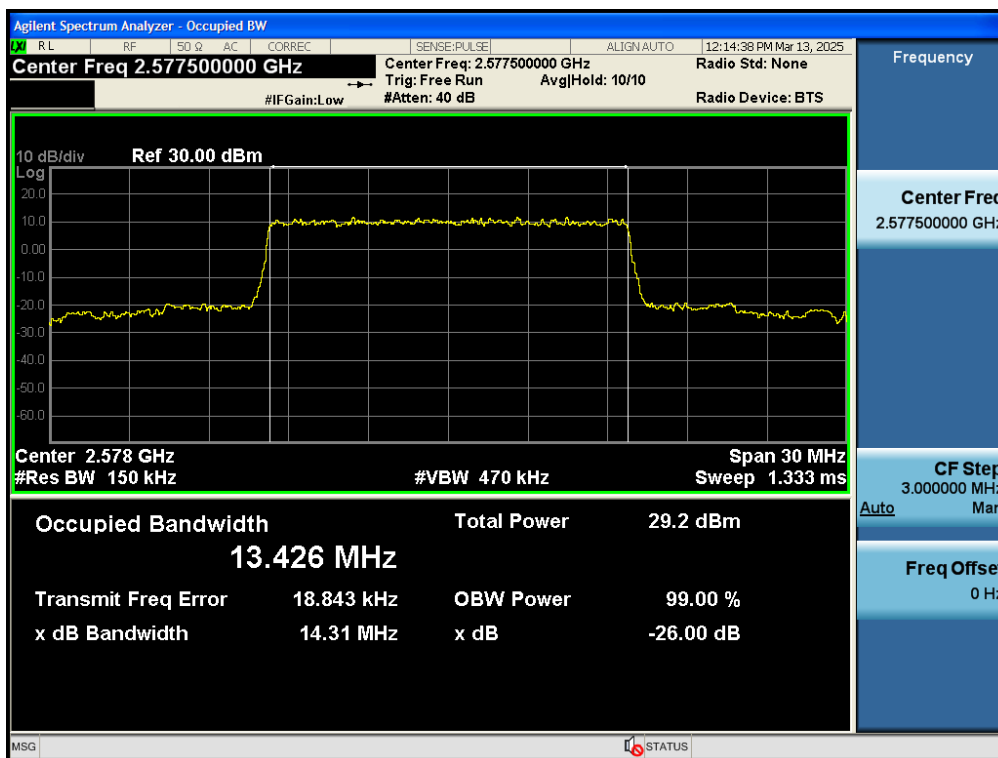
Test_Graph_band38_2575MHz_10M_QPSK_50RB#LOW_OBW&EBW



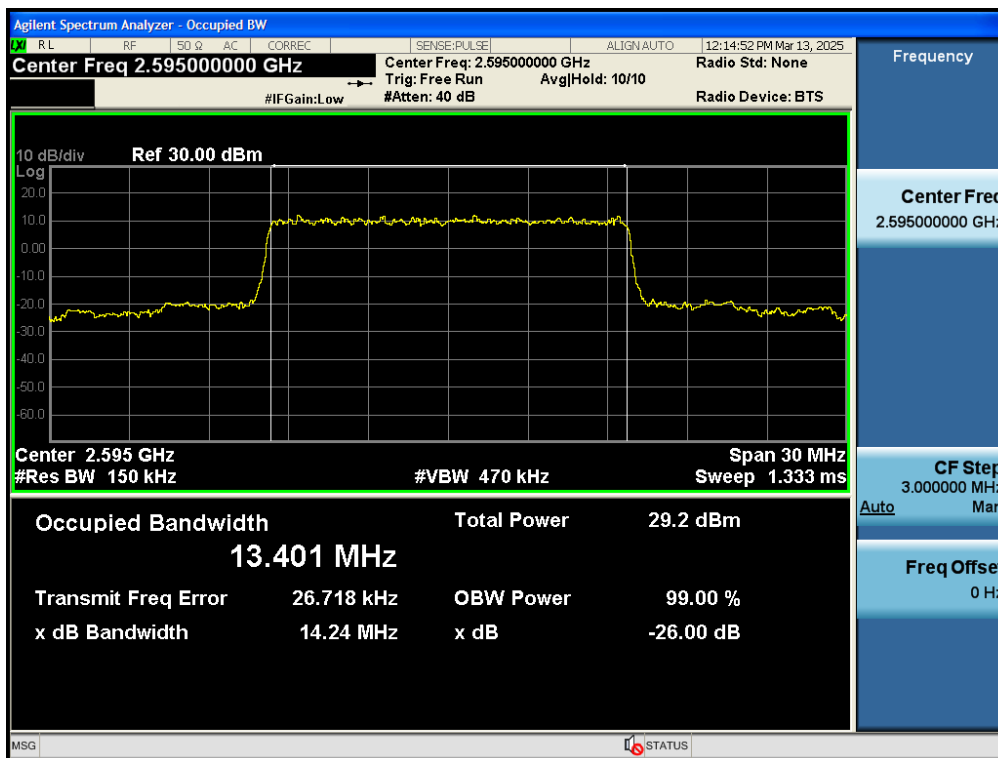
Test_Graph_band38_2595MHz_10M_QPSK_50RB#LOW_OBW&EBW



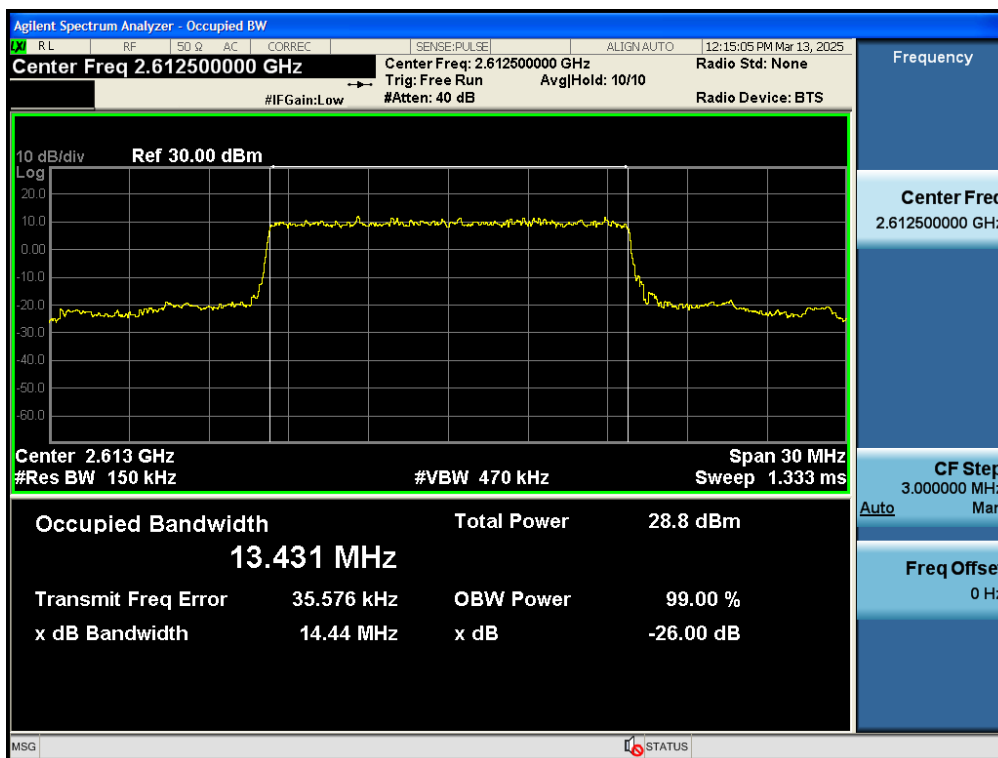
Test_Graph_band38_2615MHz_10M_QPSK_50RB#LOW_OBW&EBW



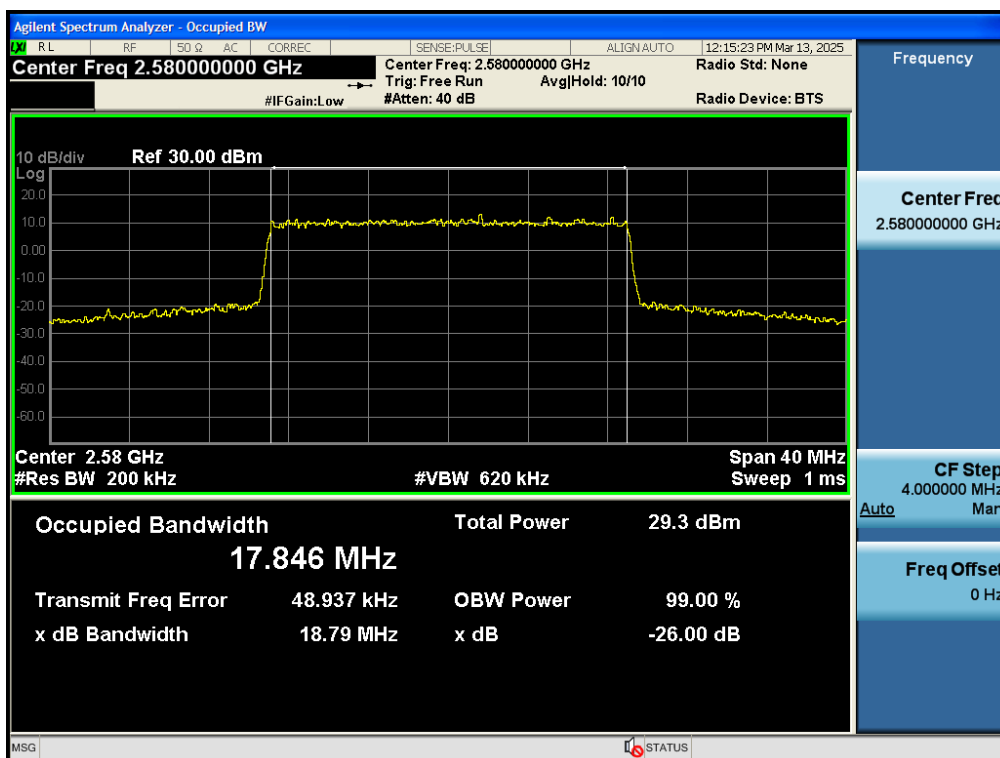
Test_Graph_band38_2577.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



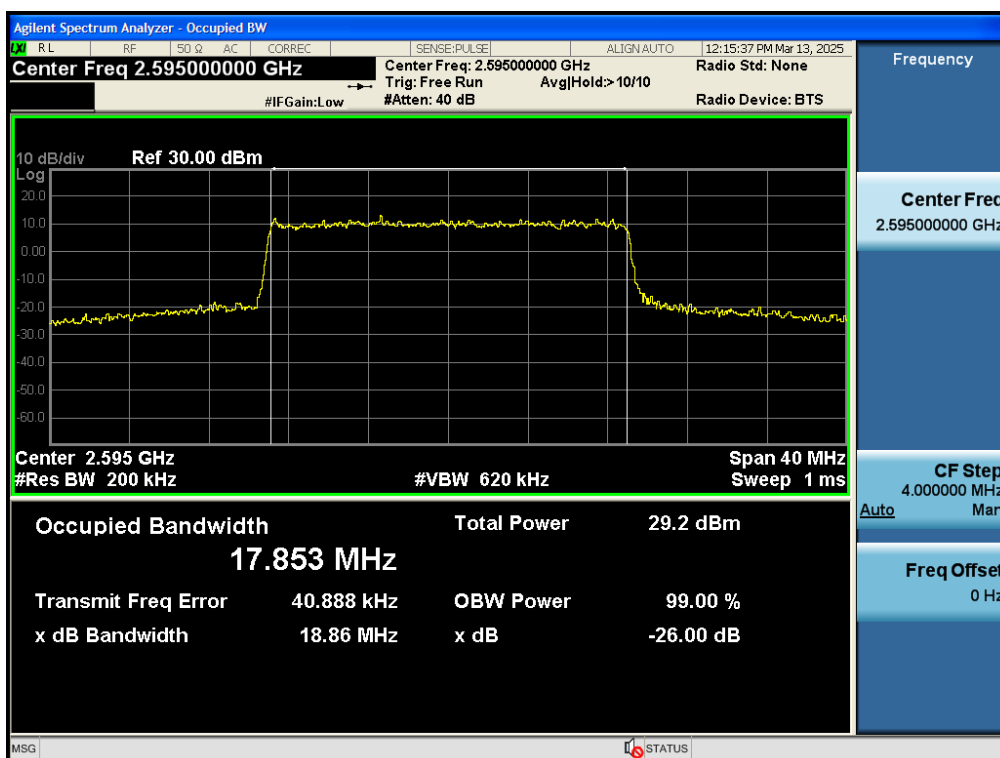
Test_Graph_band38_2595MHz_15M_QPSK_75RB#LOW_OBW&EBW



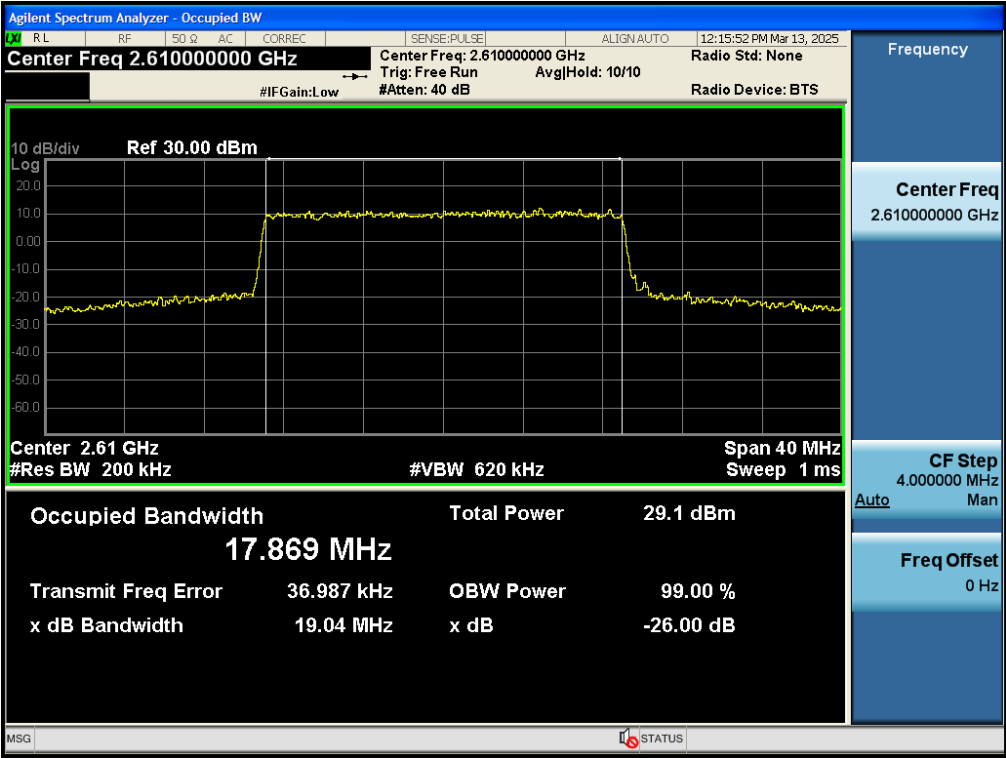
Test_Graph_band38_2612.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



Test_Graph_band38_2580MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band38_2595MHz_20M_QPSK_100RB#LOW_OBW&EBW



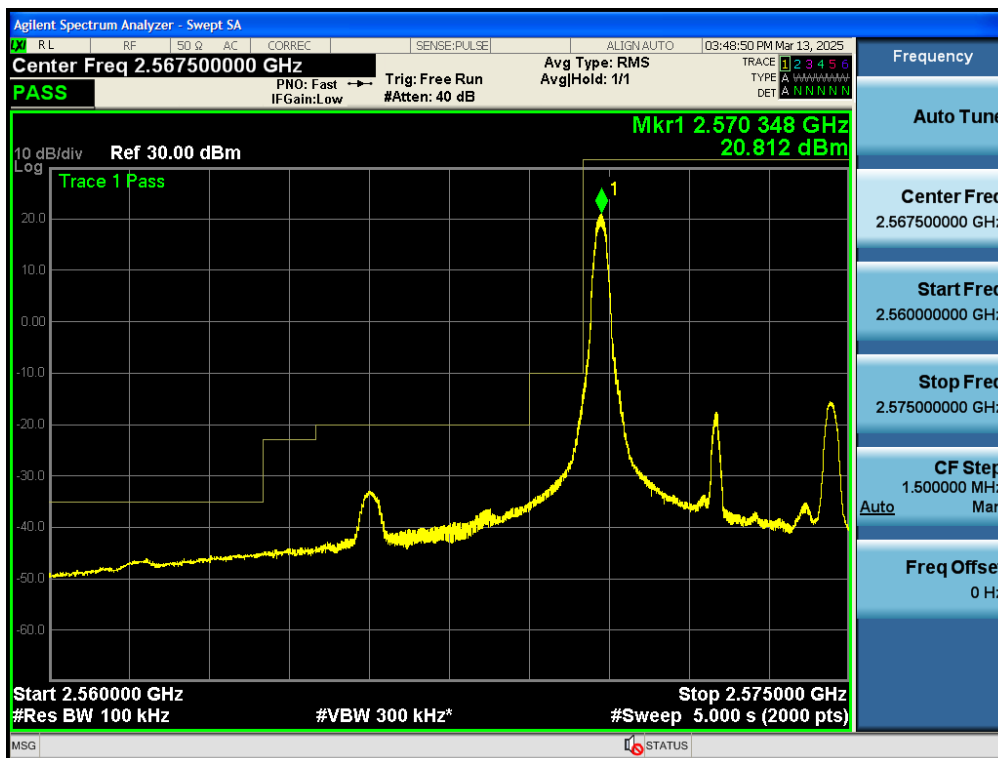
Test_Graph_band38_2610MHz_20M_QPSK_100RB#LOW_OBW&EBW

Appendix C: Band edge emissions

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
38	5	2572.5	QPSK	1	LOW	Pass
38	5	2572.5	QPSK	25	LOW	Pass
38	5	2572.5	16QAM	1	LOW	Pass
38	5	2572.5	16QAM	25	LOW	Pass
38	5	2617.5	QPSK	1	HIGH	Pass
38	5	2617.5	QPSK	25	LOW	Pass
38	5	2617.5	16QAM	1	HIGH	Pass
38	5	2617.5	16QAM	25	LOW	Pass
38	10	2575	QPSK	1	LOW	Pass
38	10	2575	QPSK	50	LOW	Pass
38	10	2575	16QAM	1	LOW	Pass
38	10	2615	QPSK	1	HIGH	Pass
38	10	2615	QPSK	50	LOW	Pass
38	10	2615	16QAM	1	HIGH	Pass
38	15	2577.5	QPSK	1	LOW	Pass
38	15	2577.5	QPSK	75	LOW	Pass
38	15	2577.5	16QAM	1	LOW	Pass
38	15	2612.5	QPSK	1	HIGH	Pass
38	15	2612.5	QPSK	75	LOW	Pass
38	15	2612.5	16QAM	1	HIGH	Pass
38	20	2580	QPSK	1	LOW	Pass
38	20	2580	QPSK	100	LOW	Pass
38	20	2580	16QAM	1	LOW	Pass
38	20	2610	QPSK	1	HIGH	Pass
38	20	2610	QPSK	100	LOW	Pass
38	20	2610	16QAM	1	HIGH	Pass

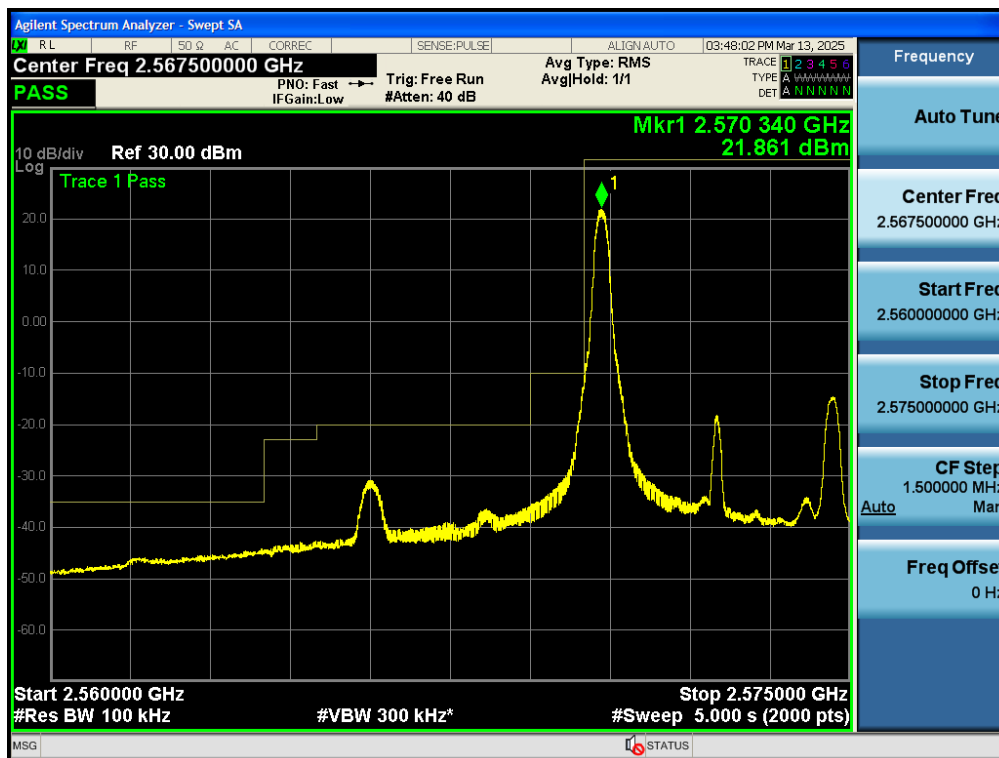
Test Graphs



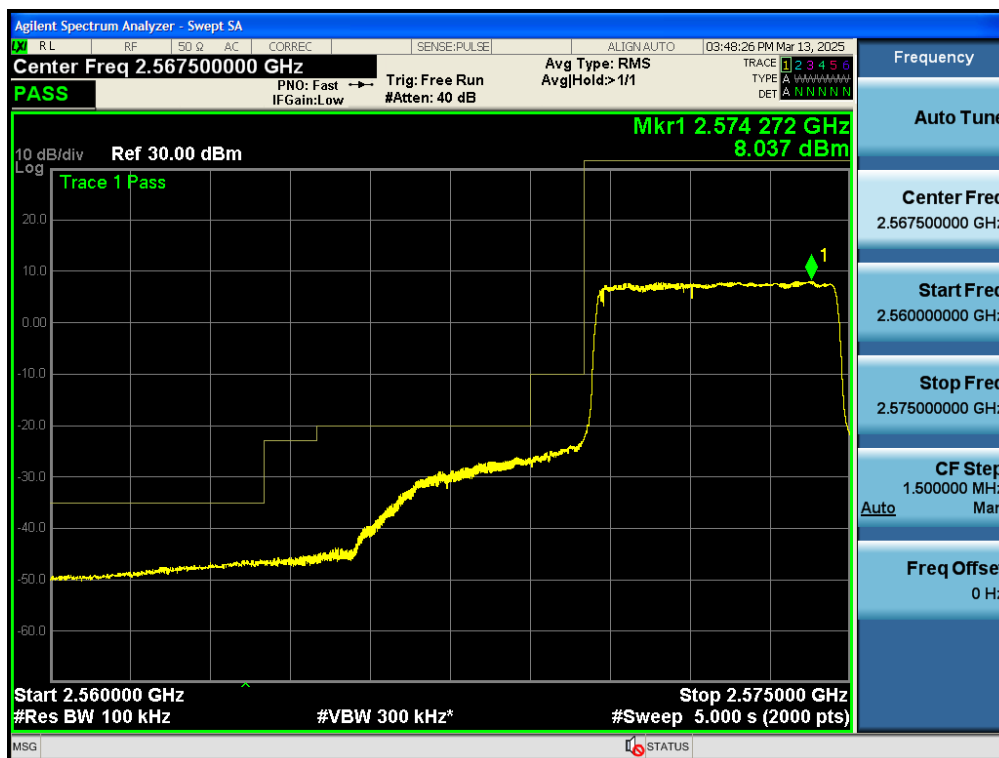
Test_Graph_band38_2572.5MHz_5M_16QAM_1RB#LOW_Band edge



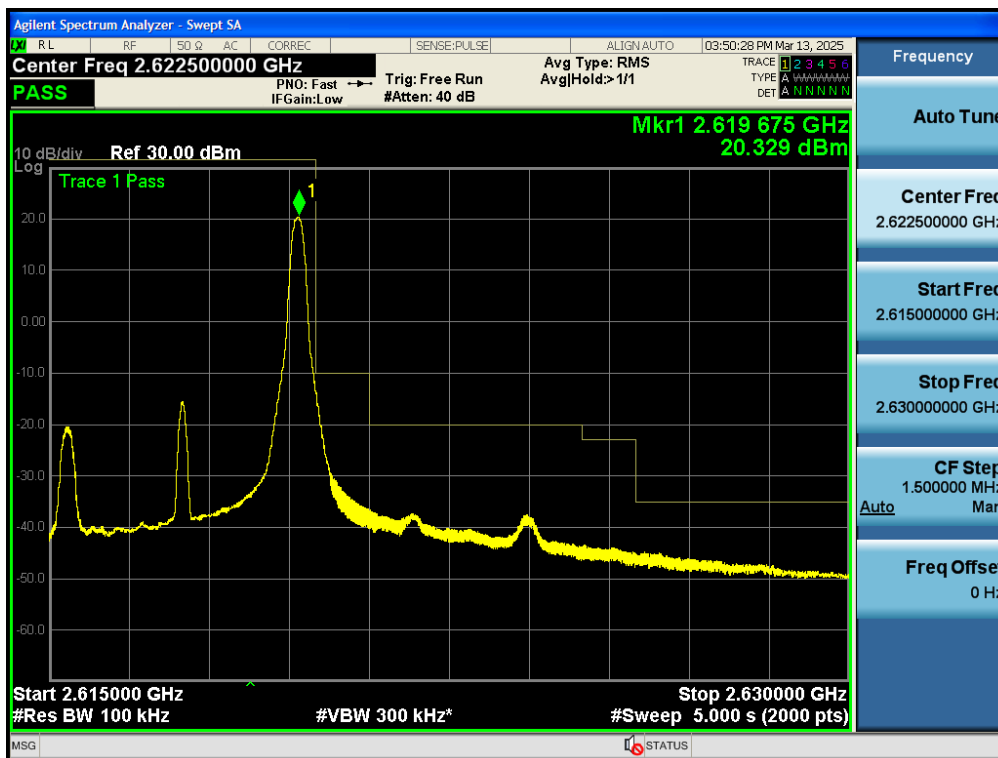
Test_Graph_band38_2572.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band38_2572.5MHz_5M_QPSK_1RB#LOW_Band edge



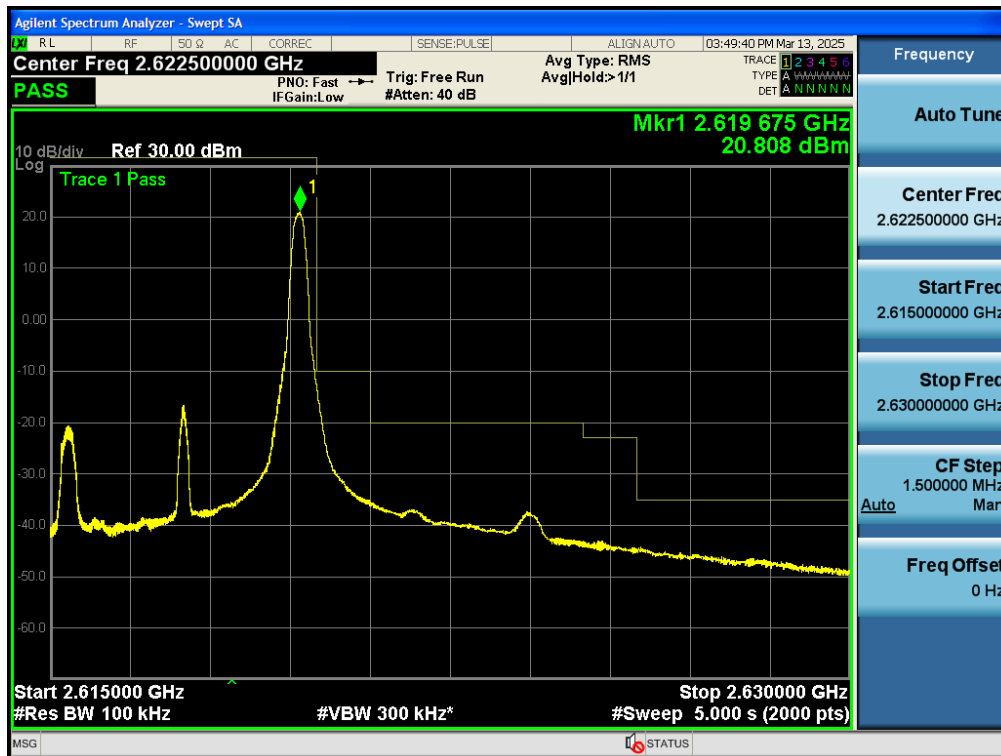
Test_Graph_band38_2572.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band38_2617.5MHz_5M_16QAM_1RB#HIGH_Band edge



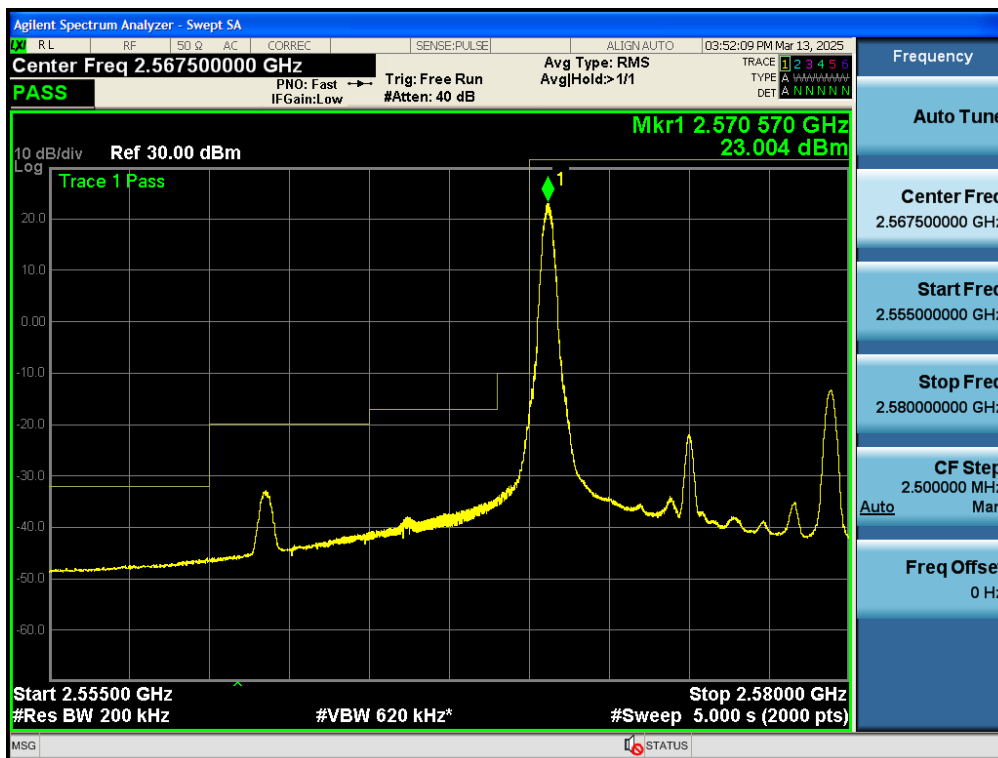
Test_Graph_band38_2617.5MHz_5M_16QAM_25RB#LOW_Band edge



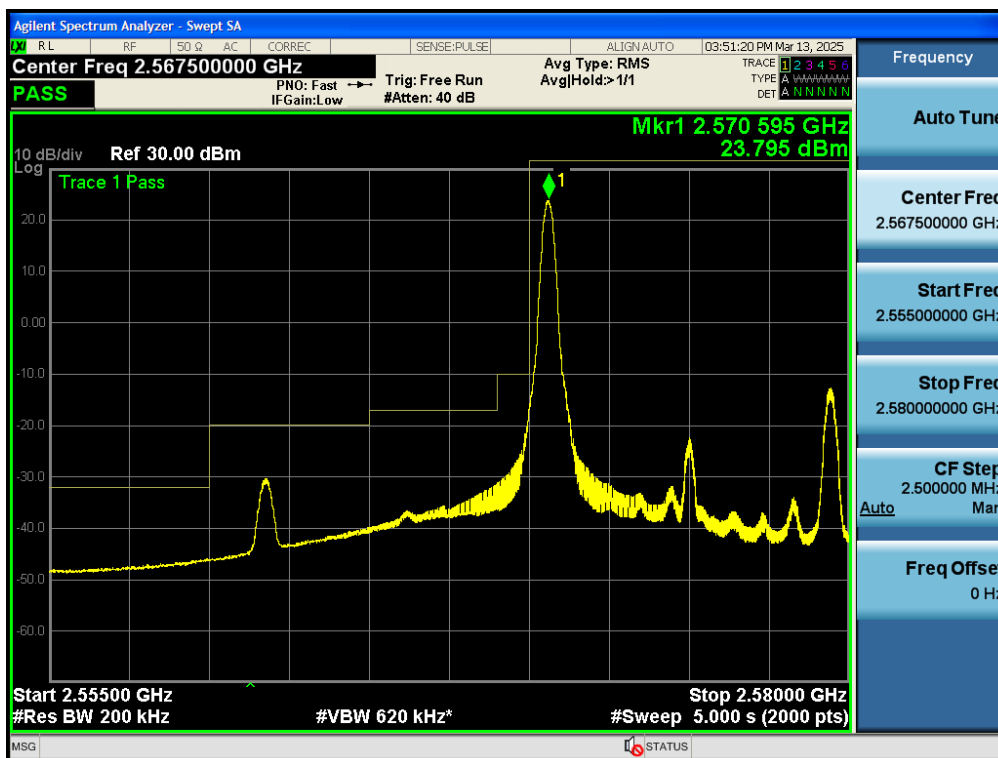
Test_Graph_band38_2617.5MHz_5M_QPSK_1RB#HIGH_Band edge



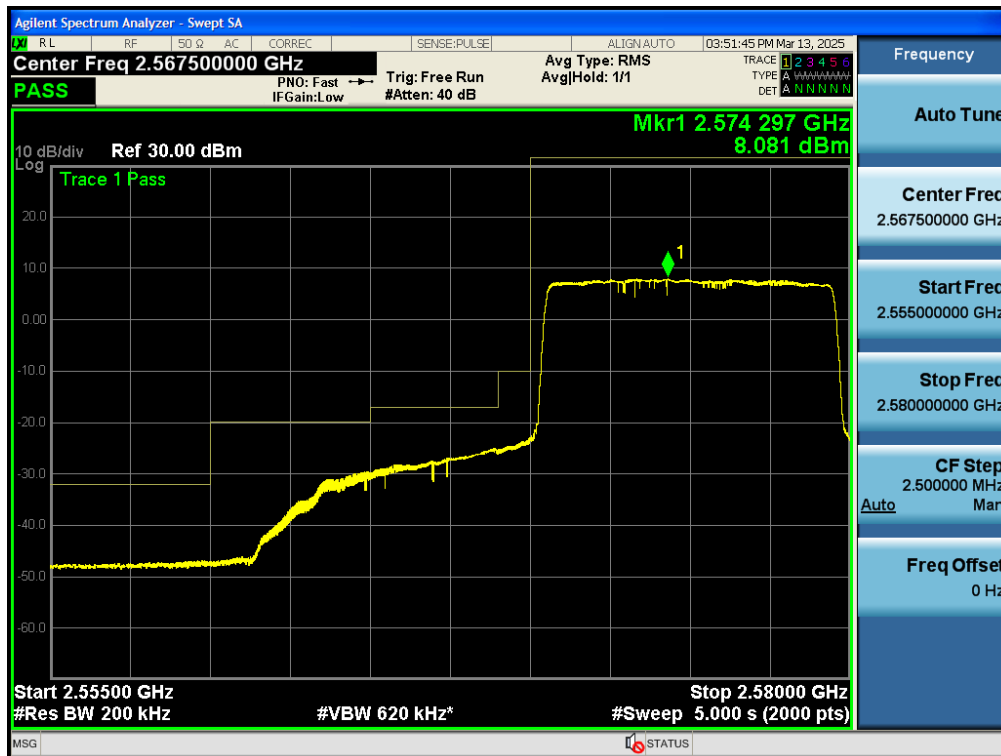
Test_Graph_band38_2617.5MHz_5M_QPSK_25RB#LOW_Band edge



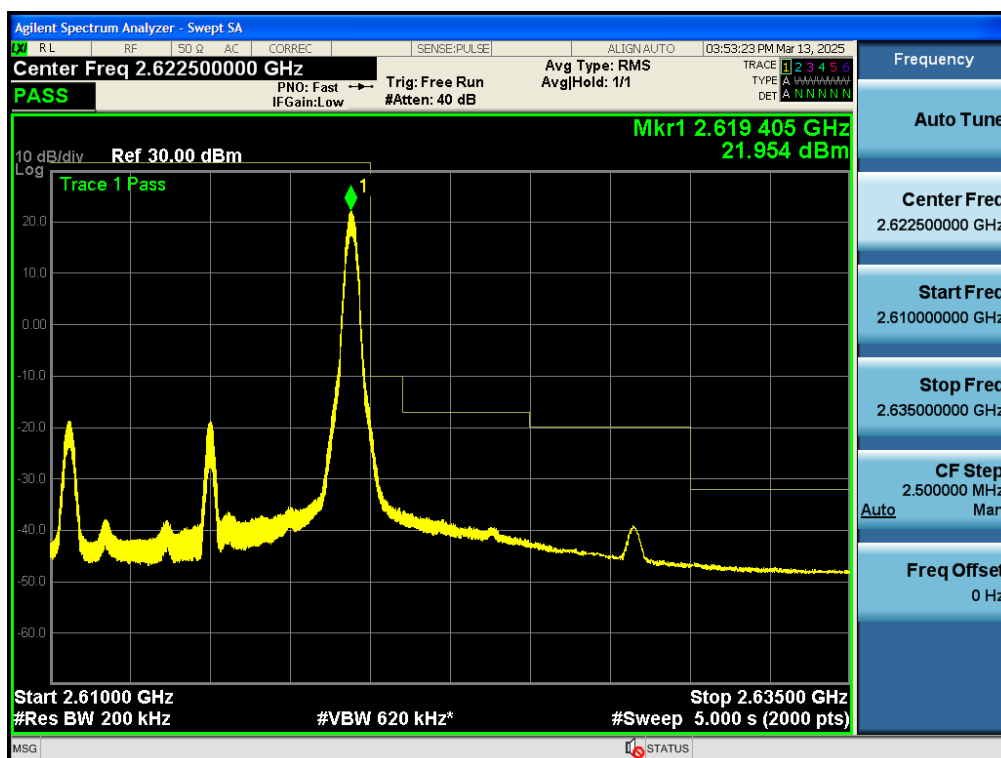
Test_Graph_band38_2575MHz_10M_16QAM_1RB#LOW_Band edge



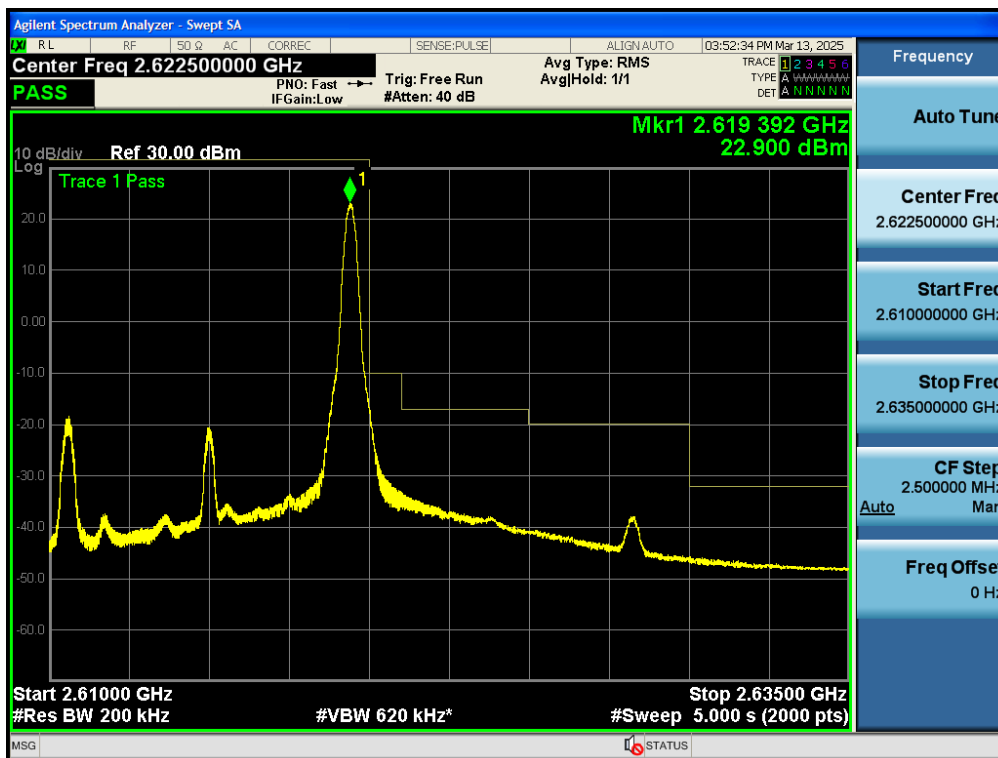
Test_Graph_band38_2575MHz_10M_QPSK_1RB#LOW_Band edge



Test_Graph_band38_2575MHz_10M_QPSK_50RB#LOW_Band edge



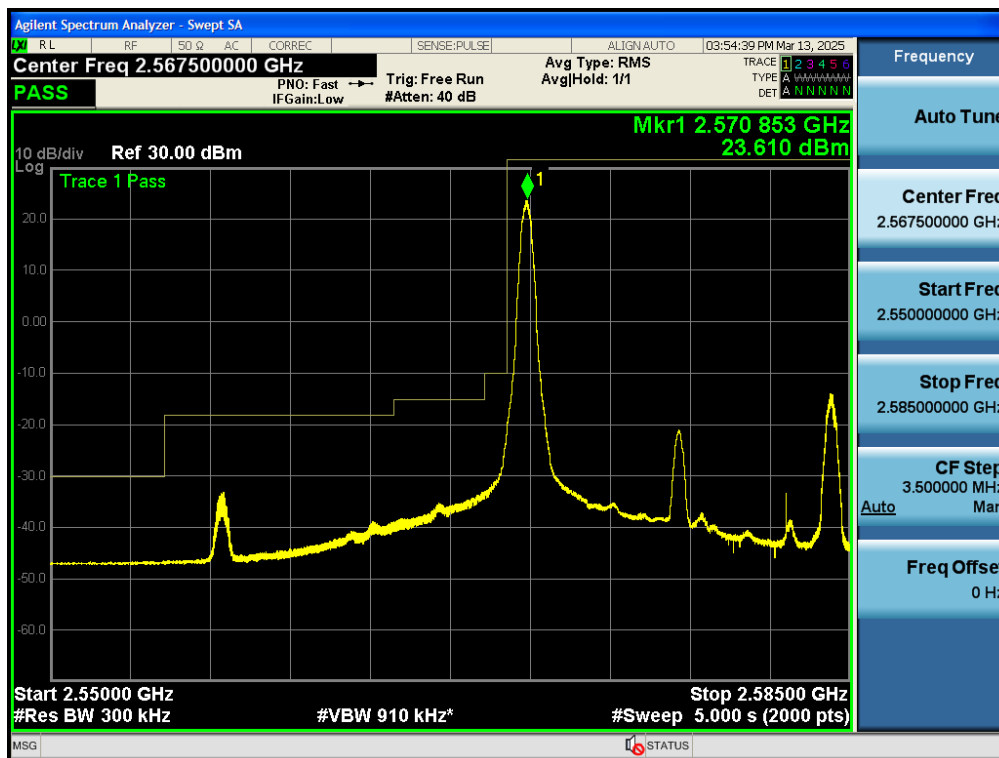
Test_Graph_band38_2615MHz_10M_16QAM_1RB#HIGH_Band edge



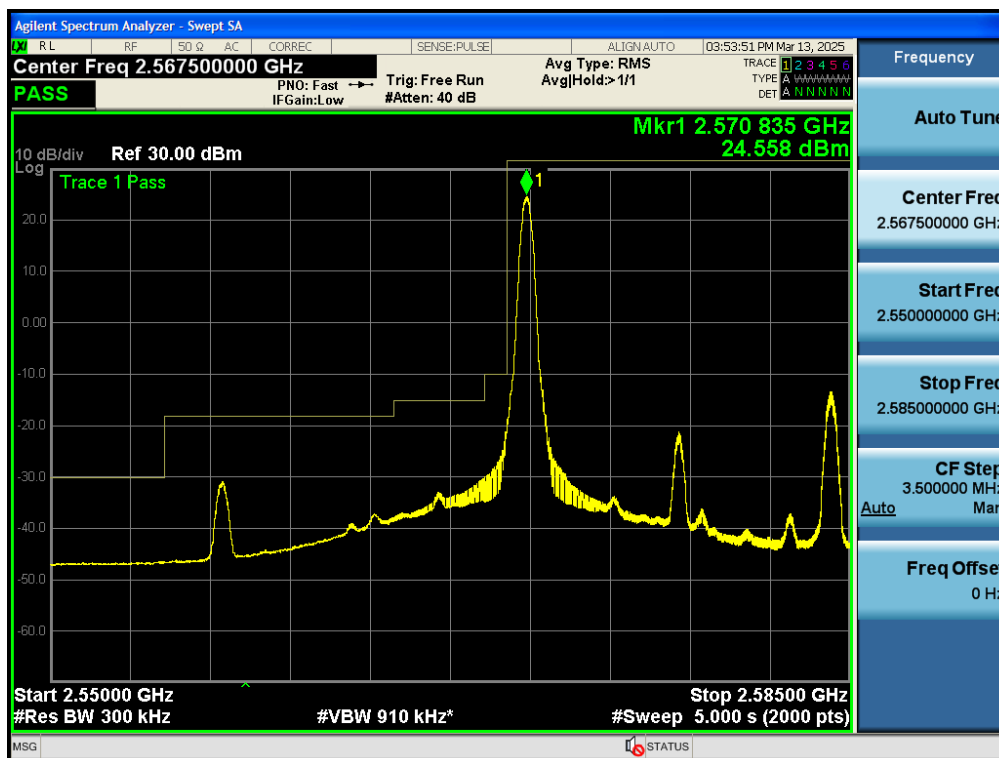
Test_Graph_band38_2615MHz_10M_QPSK_1RB#HIGH_Band edge



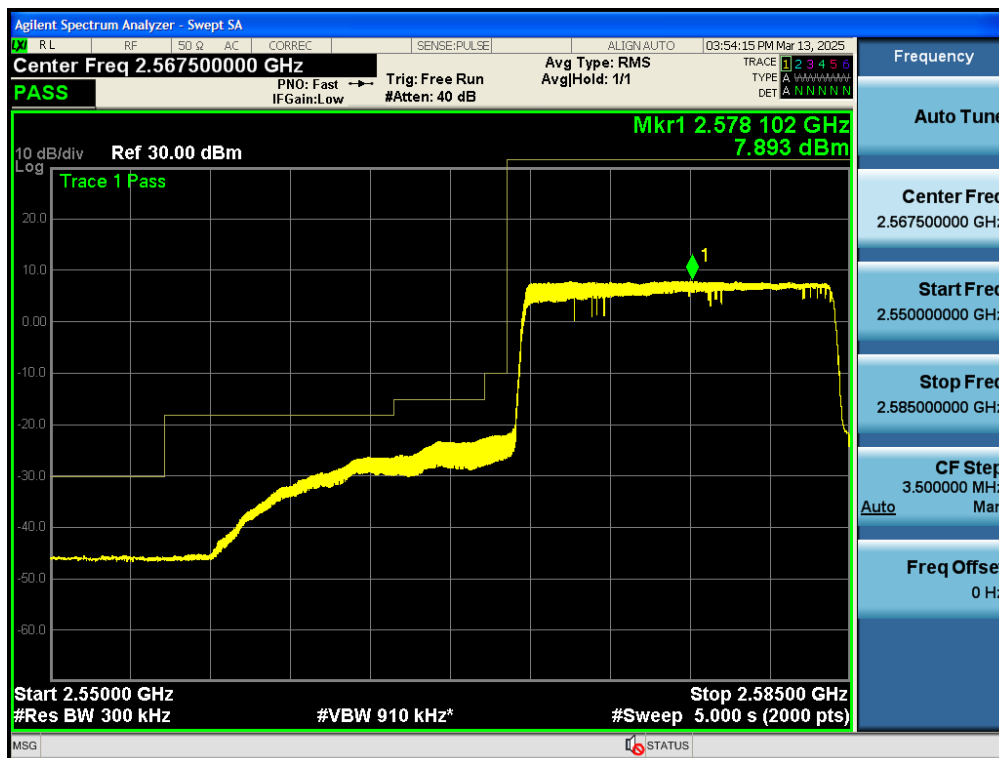
Test_Graph_band38_2615MHz_10M_QPSK_50RB#LOW_Band edge



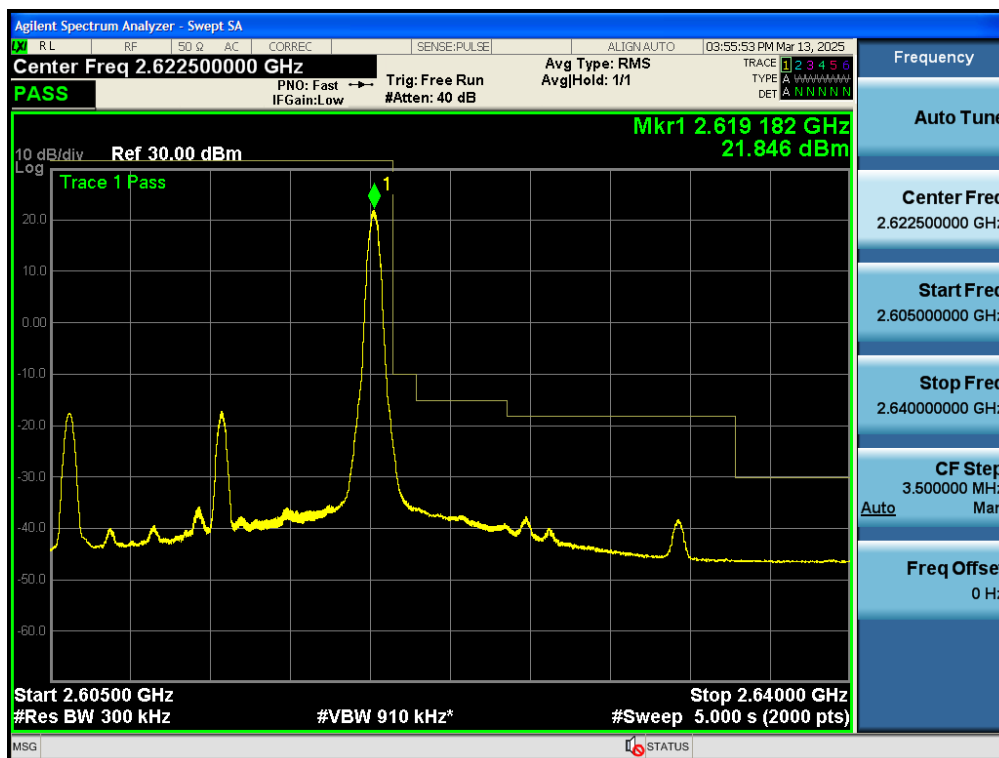
Test_Graph_band38_2577.5MHz_15M_16QAM_1RB#LOW_Band edge



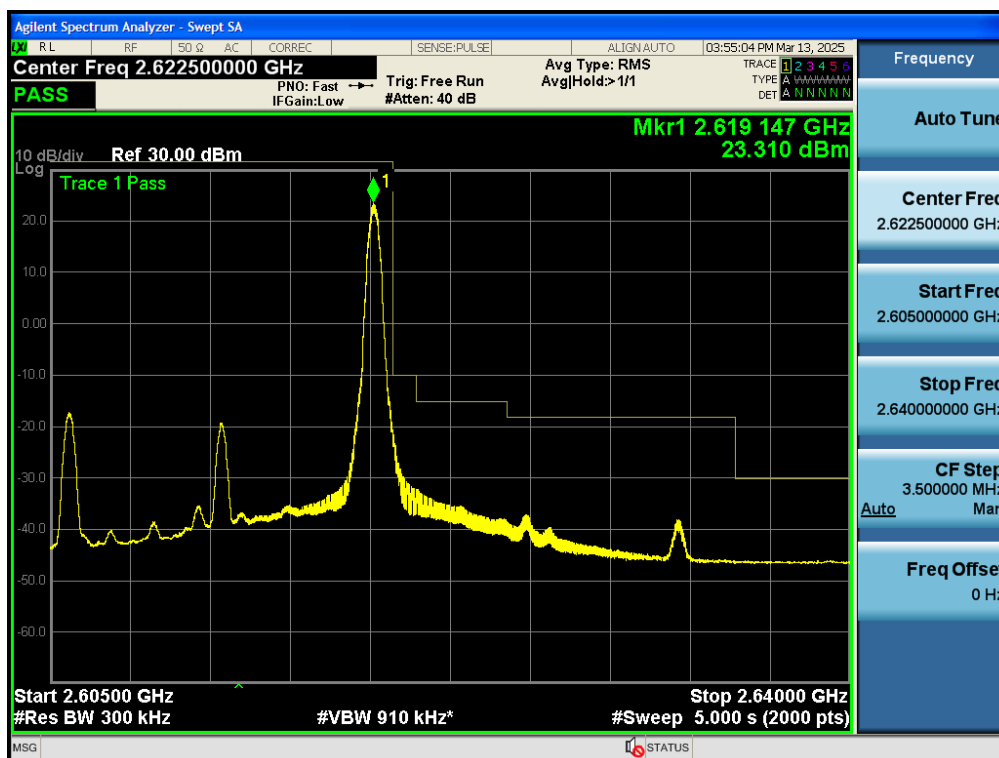
Test_Graph_band38_2577.5MHz_15M_QPSK_1RB#LOW_Band edge



Test_Graph_band38_2577.5MHz_15M_QPSK_75RB#LOW_Band edge



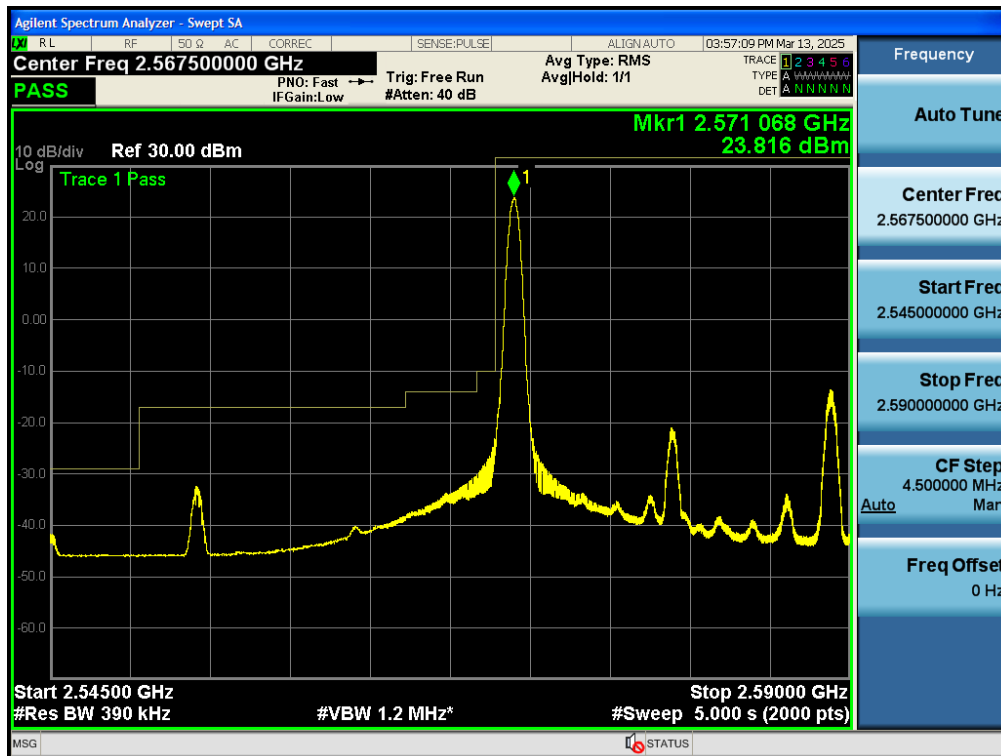
Test_Graph_band38_2612.5MHz_15M_16QAM_1RB#HIGH_Band edge



Test_Graph_band38_2612.5MHz_15M_QPSK_1RB#HIGH_Band edge



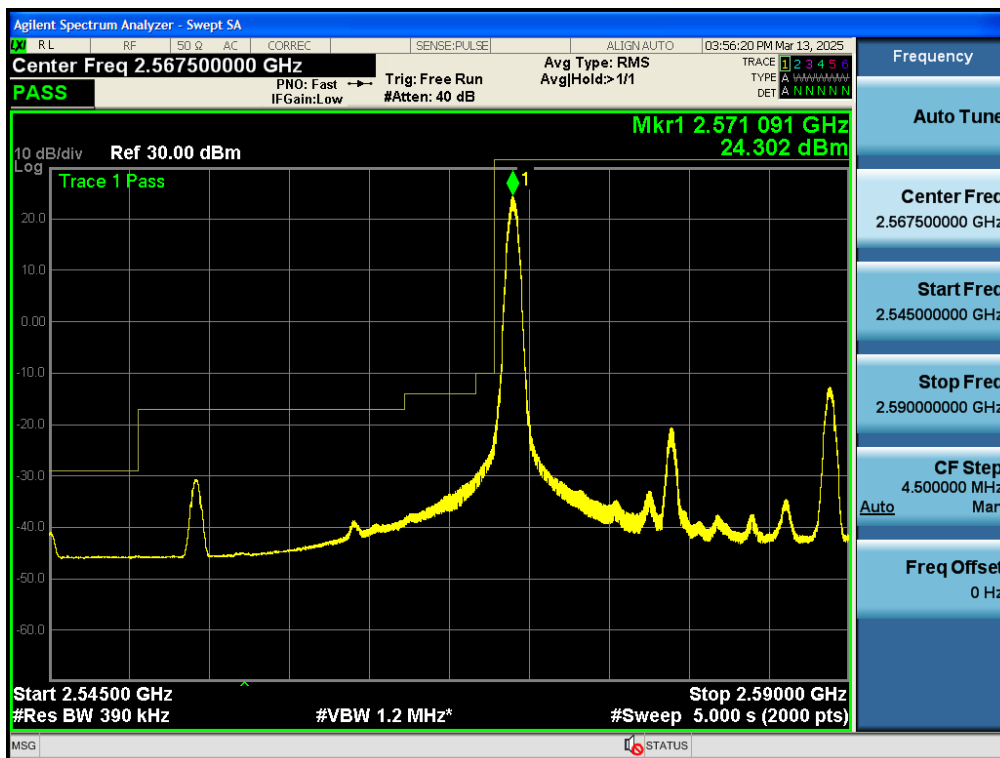
Test_Graph_band38_2612.5MHz_15M_QPSK_75RB#LOW_Band edge



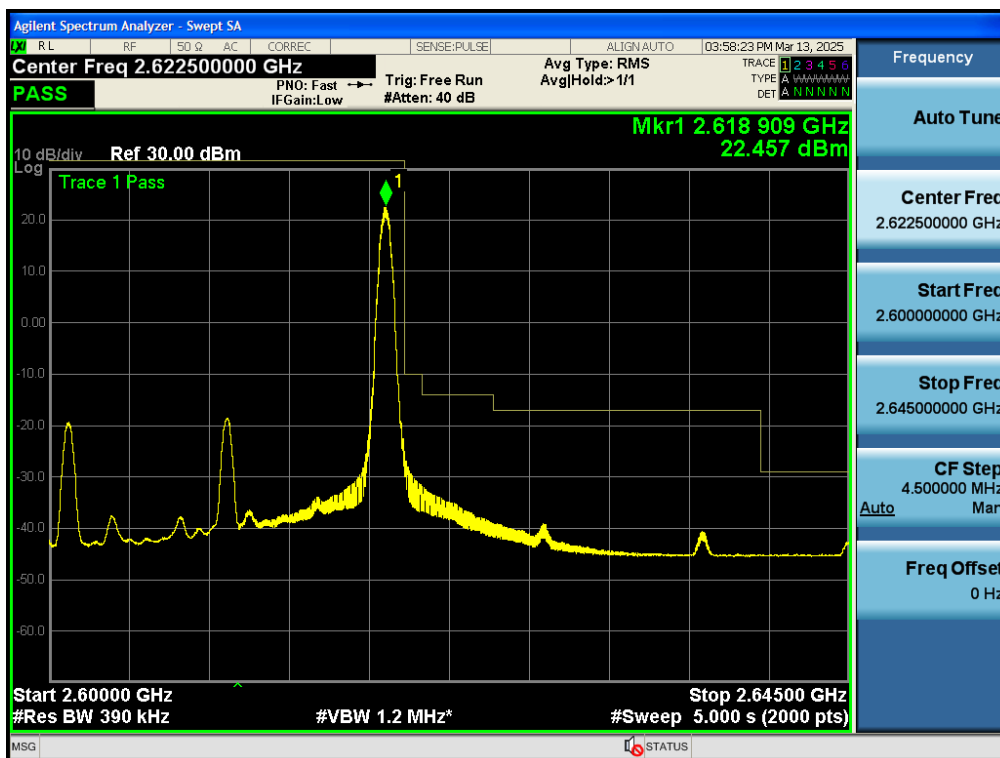
Test_Graph_band38_2580MHz_20M_16QAM_1RB#LOW_Band edge



Test_Graph_band38_2580MHz_20M_QPSK_100RB#LOW_Band edge



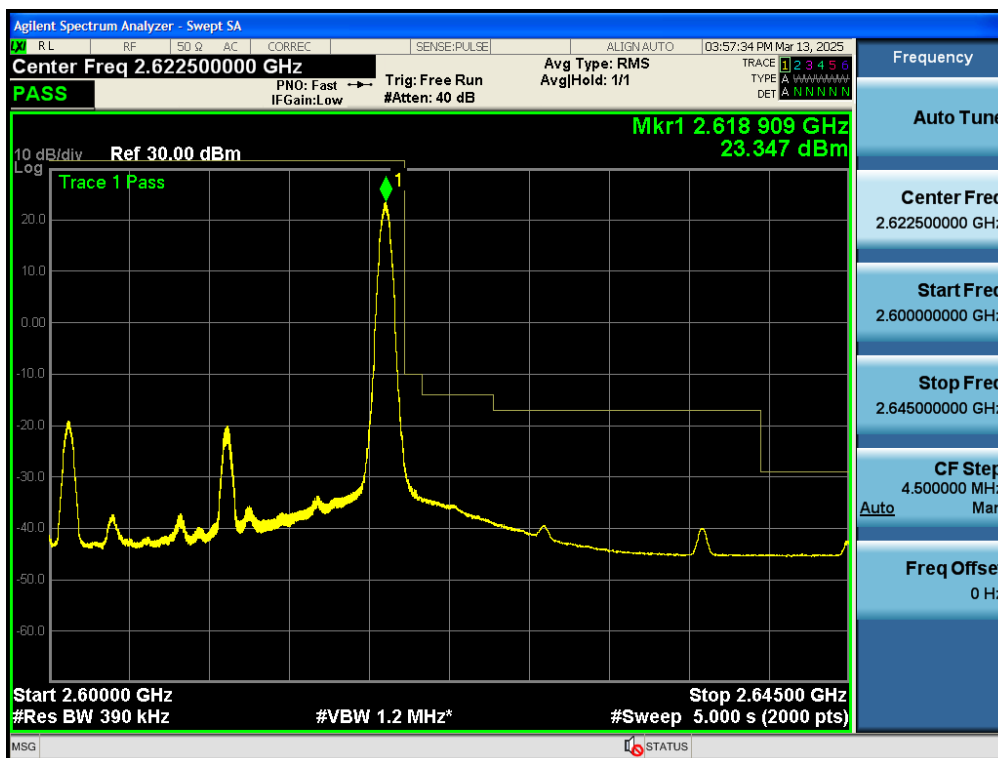
Test_Graph_band38_2580MHz_20M_QPSK_1RB#LOW_Band edge



Test_Graph_band38_2610MHz_20M_16QAM_1RB#HIGH_Band edge



Test_Graph_band38_2610MHz_20M_QPSK_100RB#LOW_Band edge



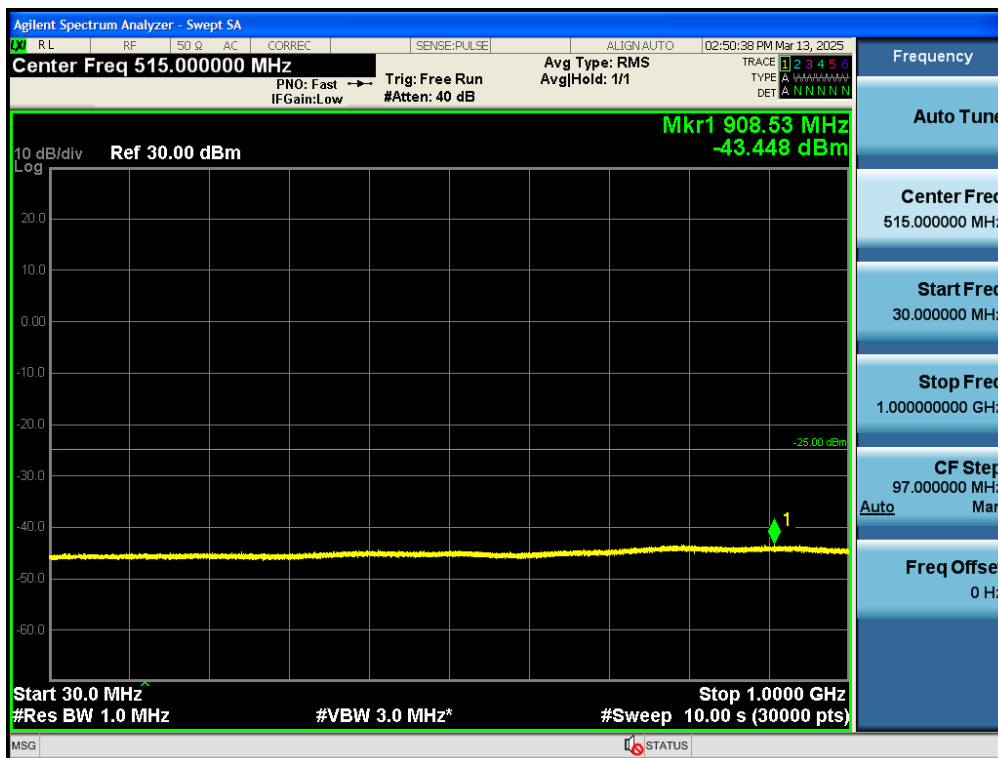
Test_Graph_band38_2610MHz_20M_QPSK_1RB#HIGH_Band edge

Appendix D: Unwanted spurious emissions at antenna terminals

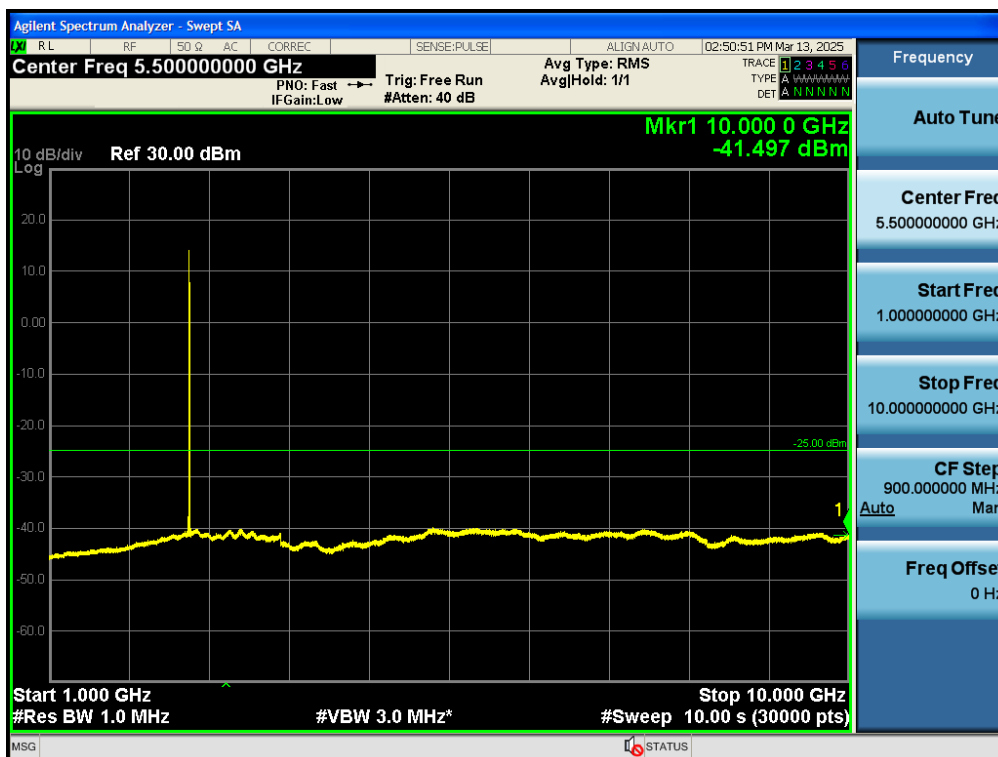
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
38	5	2572.5	QPSK	25	LOW	Pass
38	5	2595	QPSK	25	LOW	Pass
38	5	2617.5	QPSK	25	LOW	Pass
38	10	2575	QPSK	50	LOW	Pass
38	10	2595	QPSK	50	LOW	Pass
38	10	2615	QPSK	50	LOW	Pass
38	15	2577.5	QPSK	75	LOW	Pass
38	15	2595	QPSK	75	LOW	Pass
38	15	2612.5	QPSK	75	LOW	Pass
38	20	2580	QPSK	100	LOW	Pass
38	20	2595	QPSK	100	LOW	Pass
38	20	2610	QPSK	100	LOW	Pass

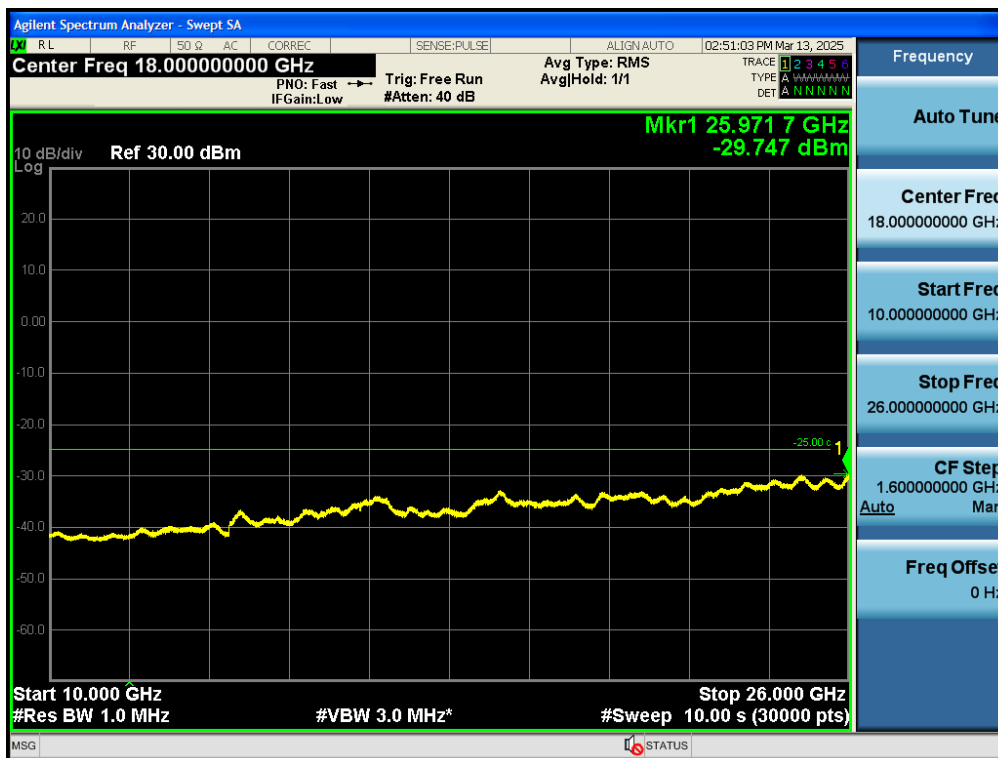
Test Graphs



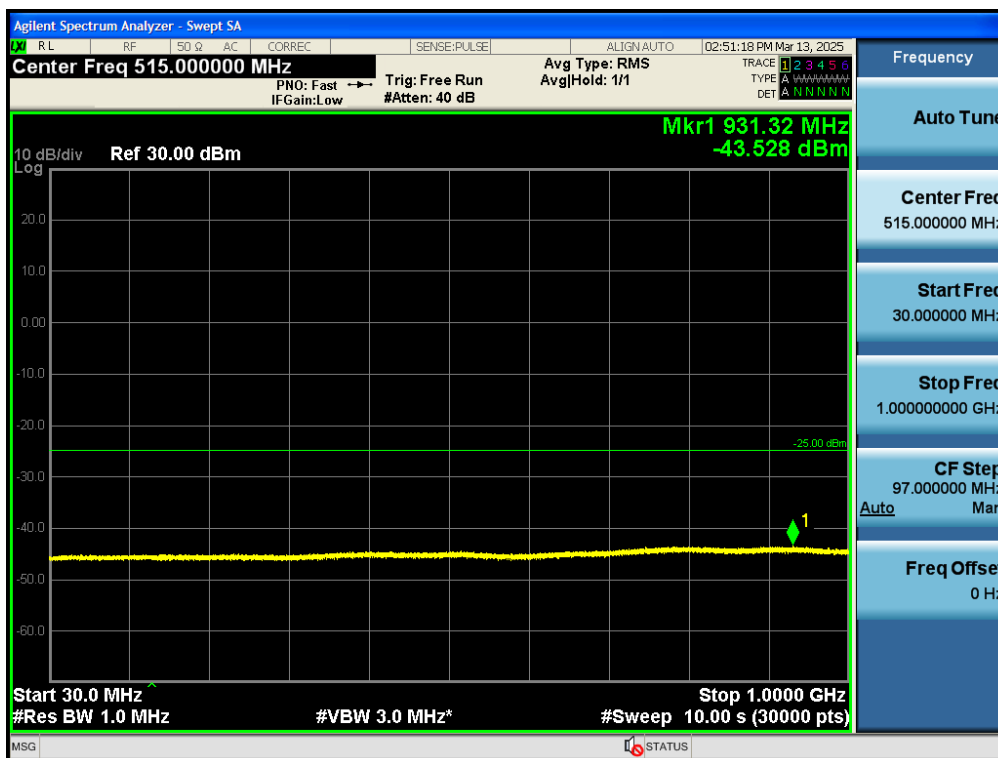
Test_Graph_band38_2572.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



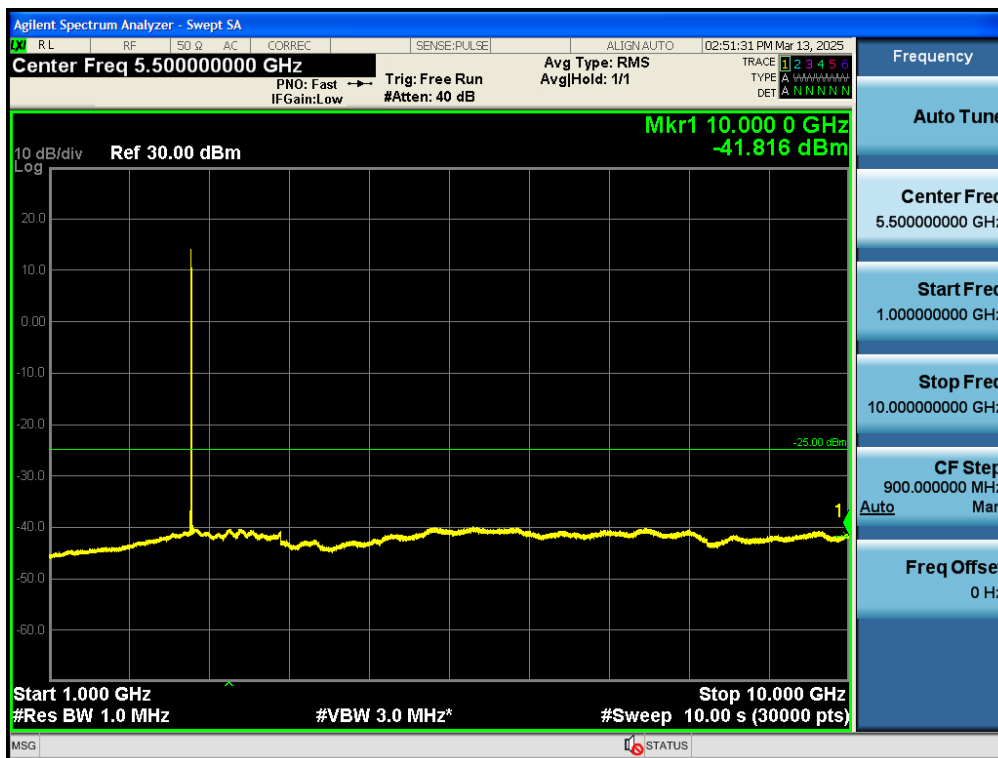
Test_Graph_band38_2572.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



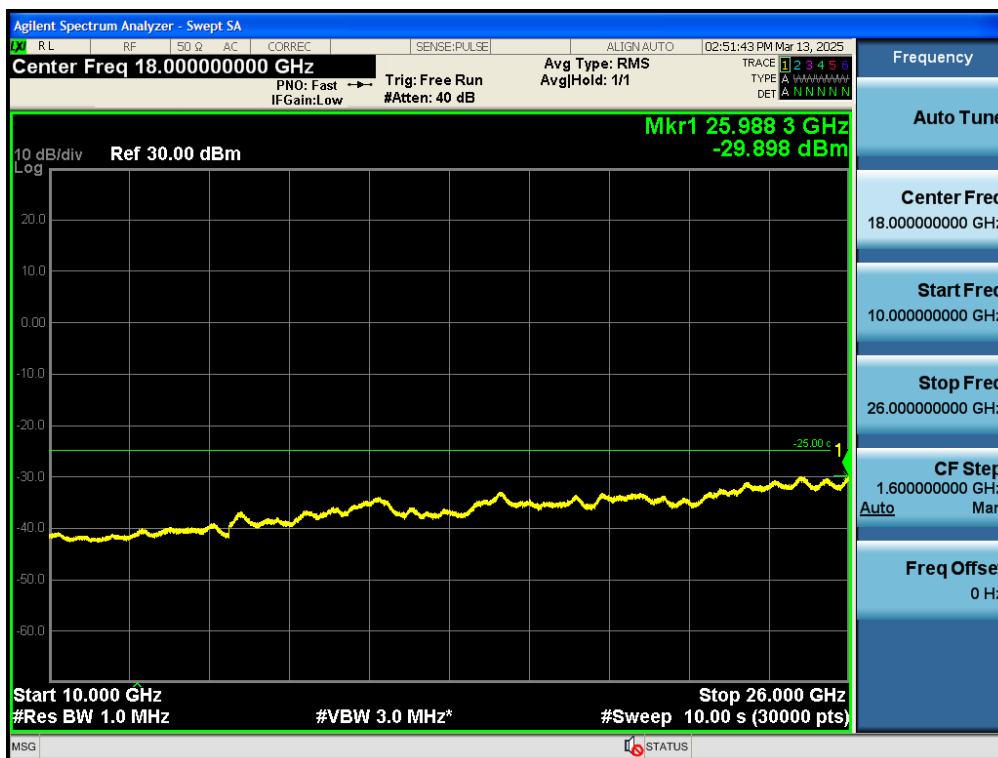
Test_Graph_band38_2572.5MHz_5M_QPSK_25RB#LOW_10G_26.0G_TX



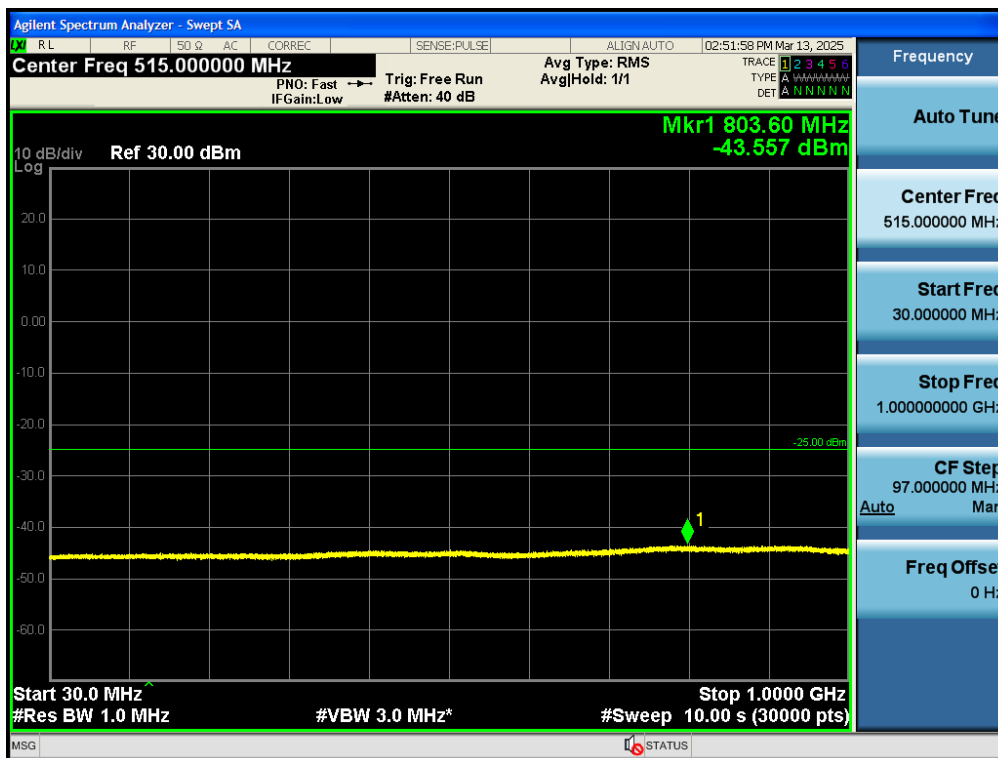
Test_Graph_band38_2595MHz_5M_QPSK_25RB#LOW_30M_1G_TX



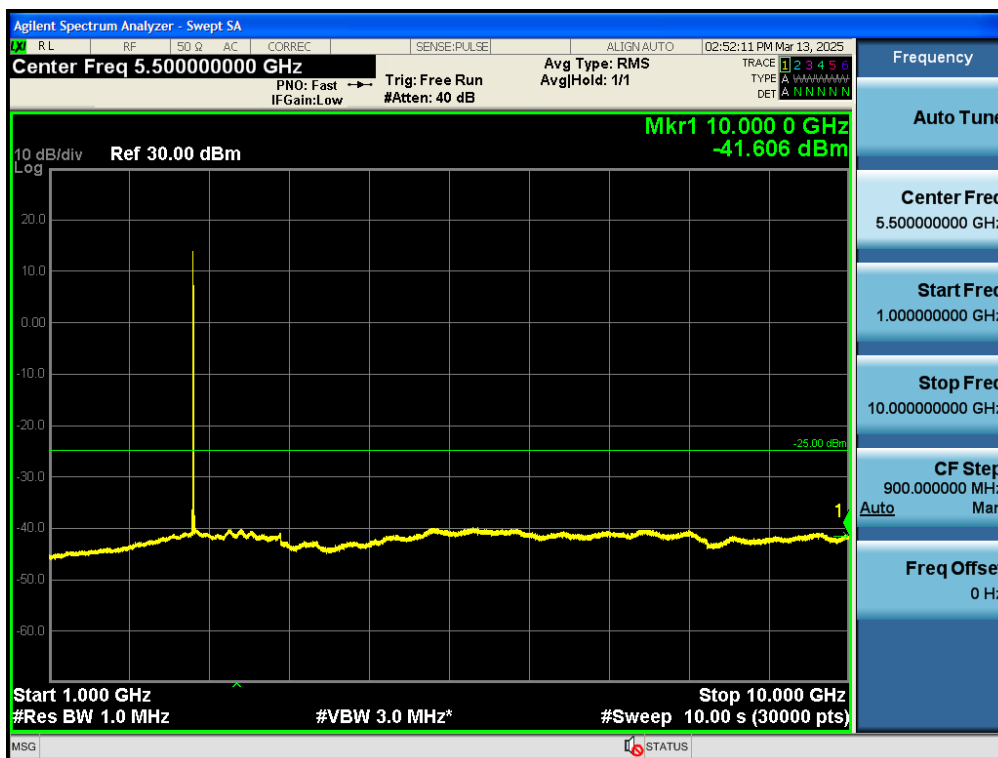
Test_Graph_band38_2595MHz_5M_QPSK_25RB#LOW_1G_10G_TX



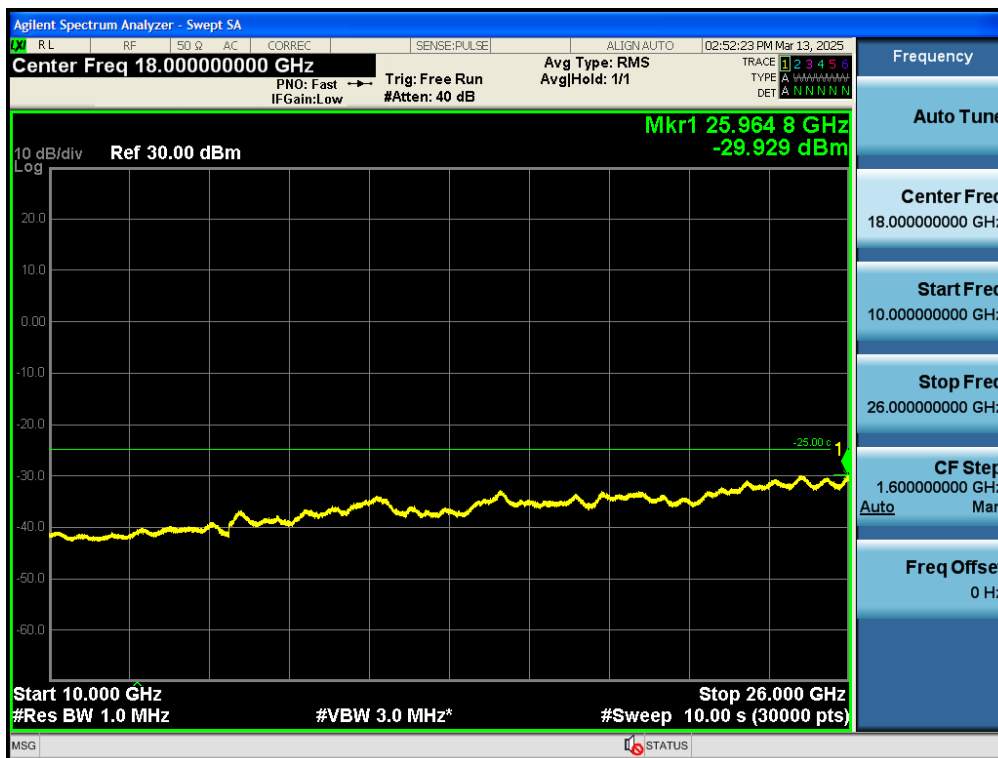
Test_Graph_band38_2595MHz_5M_QPSK_25RB#LOW_10G_26.0G_TX



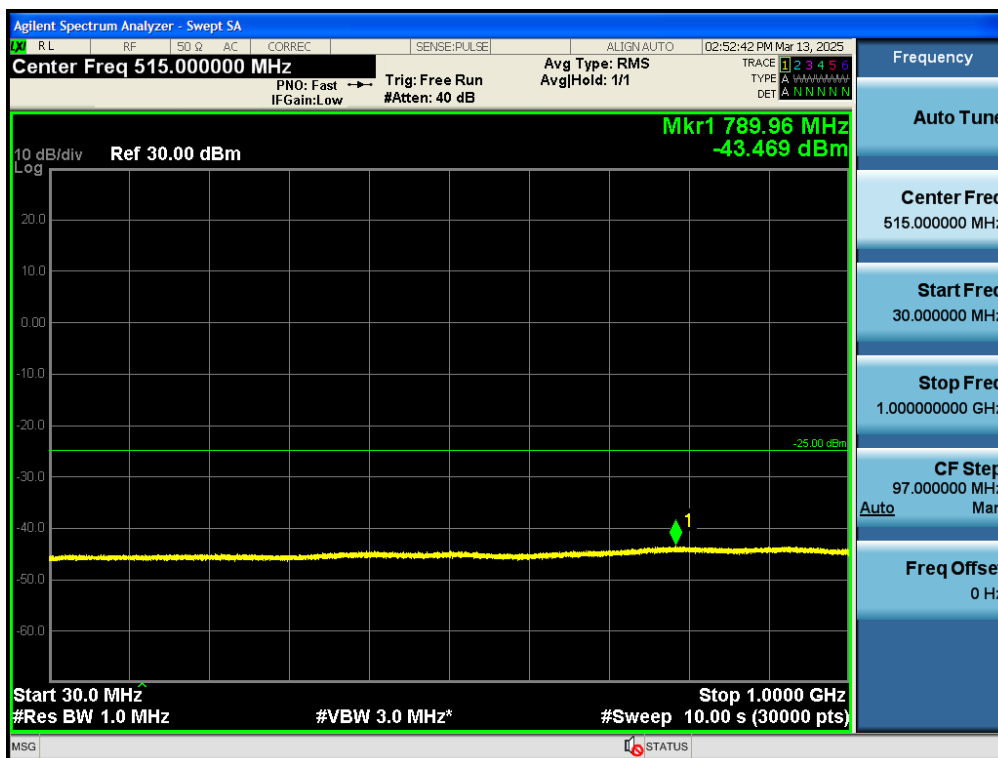
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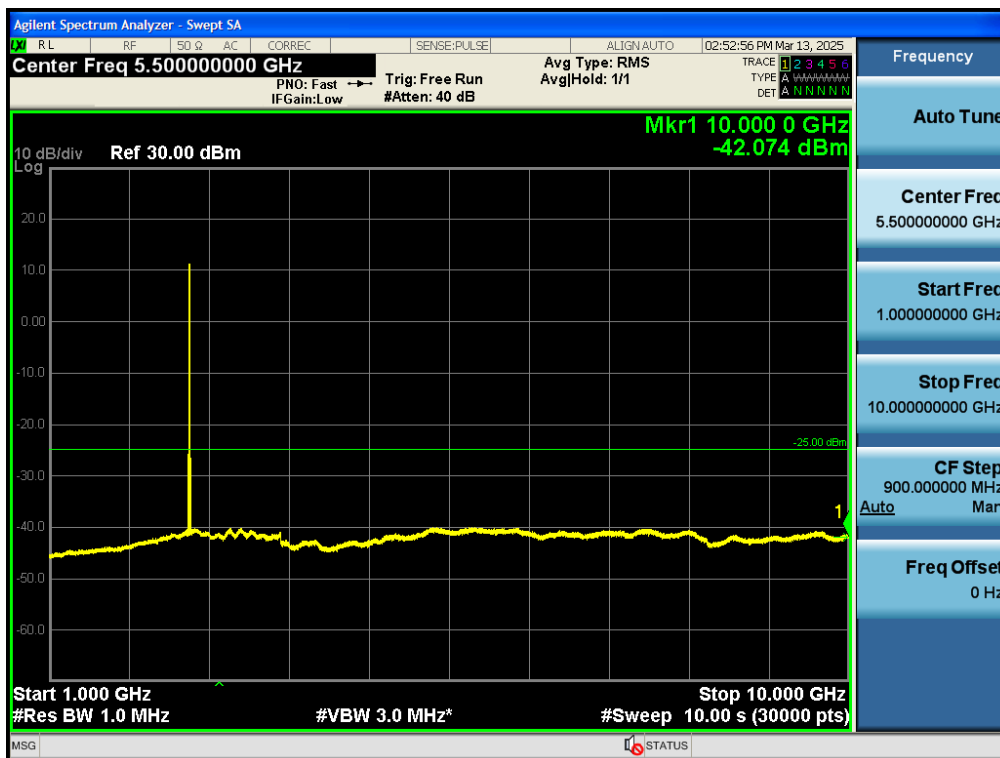
Test_Graph_band38_2617.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



Test_Graph_band38_2617.5MHz_5M_QPSK_25RB#LOW_10G_26.0G_TX



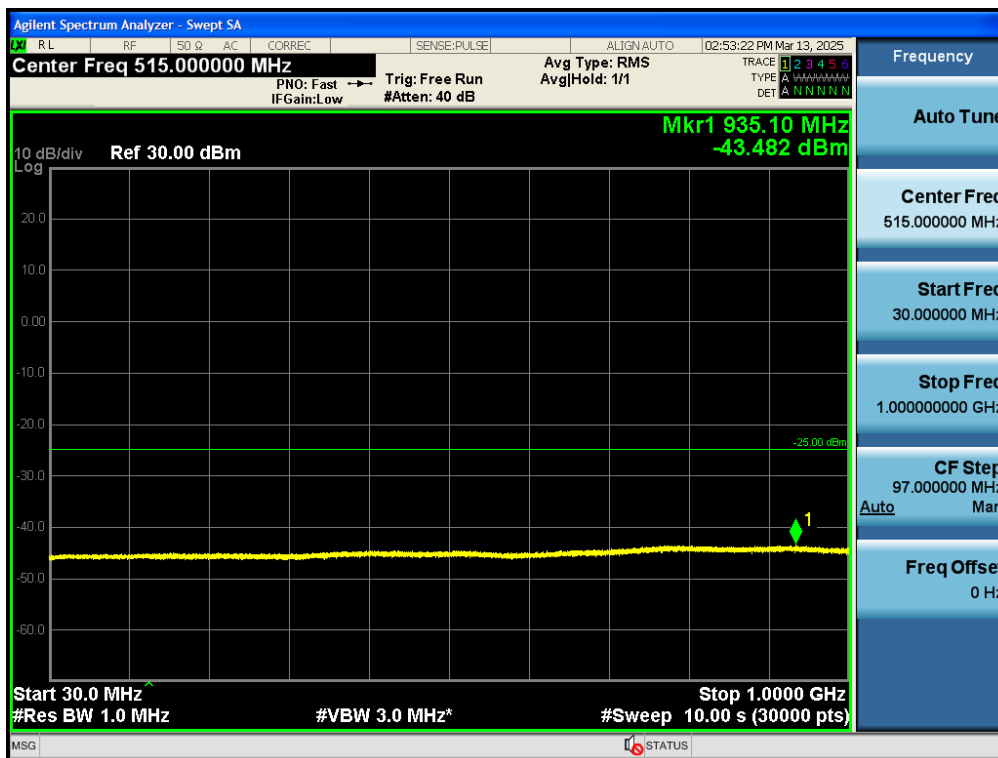
Test_Graph_band38_2575MHz_10M_QPSK_50RB#LOW_30M_1G_TX



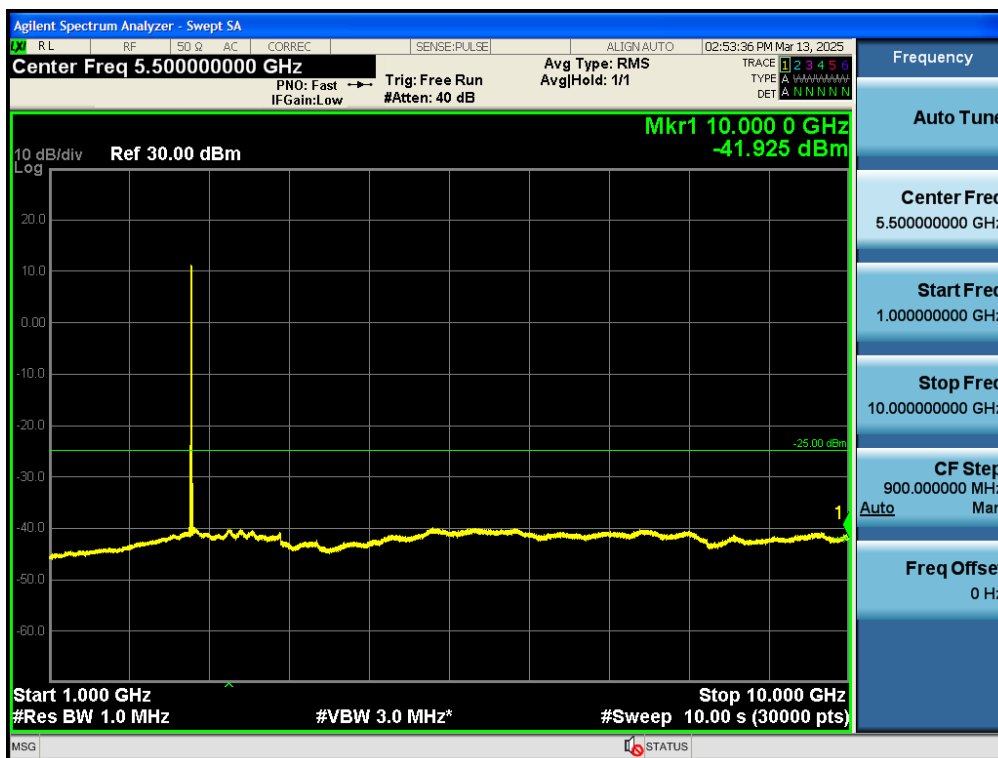
Test_Graph_band38_2575MHz_10M_QPSK_50RB#LOW_1G_10G_TX



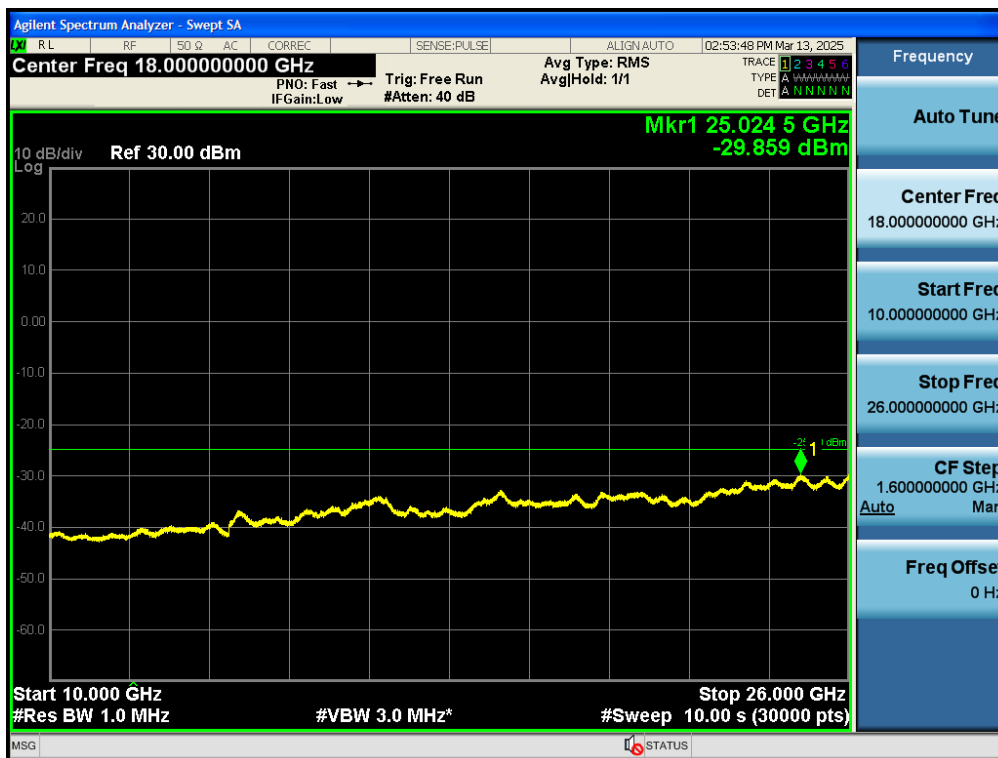
Test_Graph_band38_2575MHz_10M_QPSK_50RB#LOW_10G_26.0G_TX



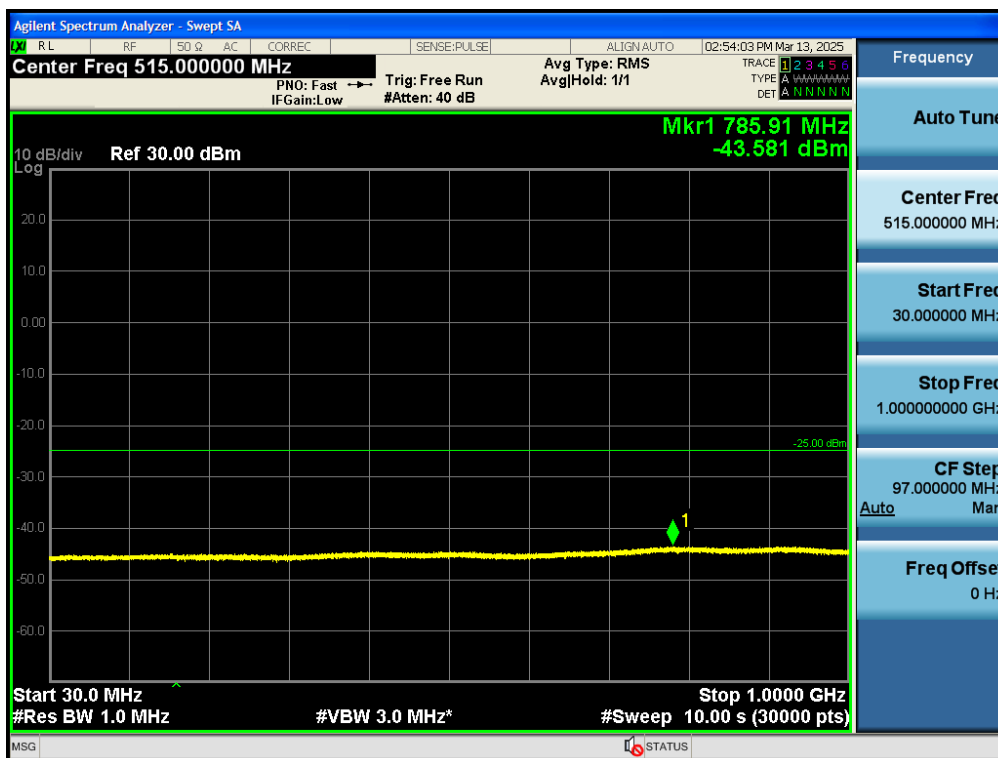
Test_Graph_band38_2595MHz_10M_QPSK_50RB#LOW_30M_1G_TX



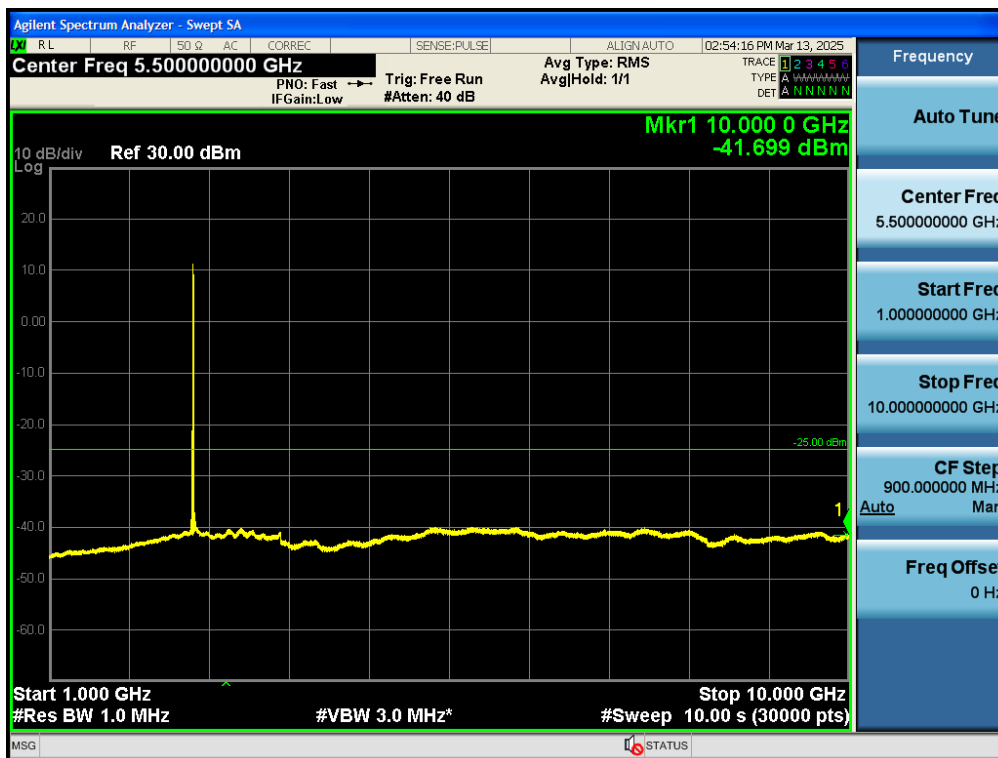
Test_Graph_band38_2595MHz_10M_QPSK_50RB#LOW_1G_10G_TX



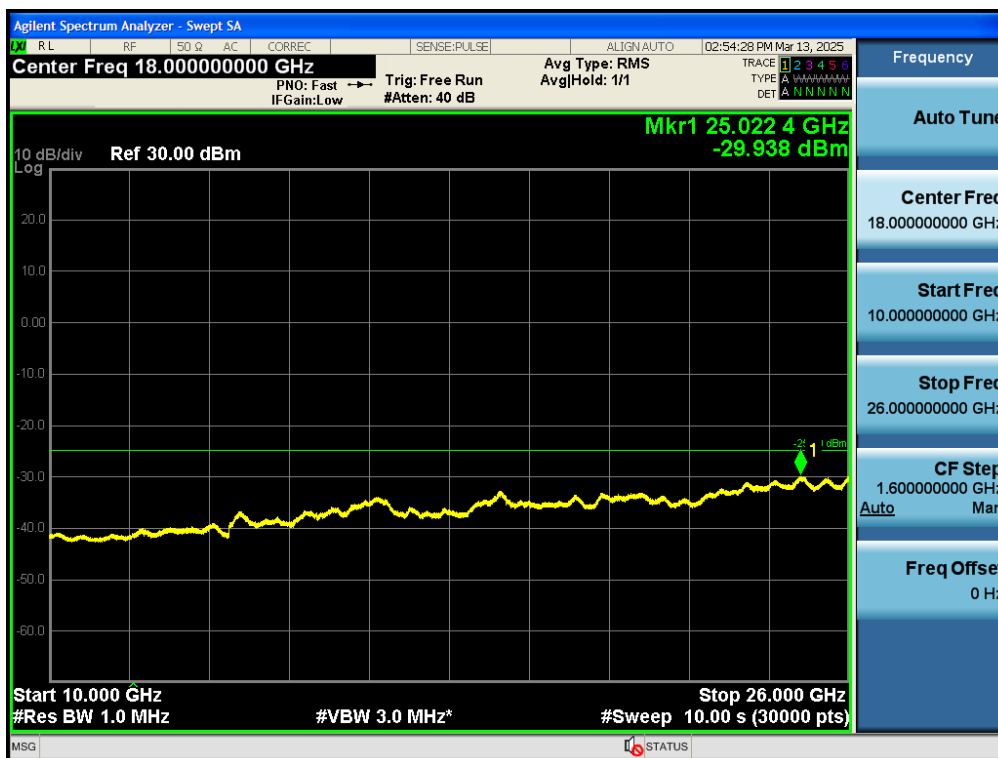
Test_Graph_band38_2595MHz_10M_QPSK_50RB#LOW_10G_26.0G_TX



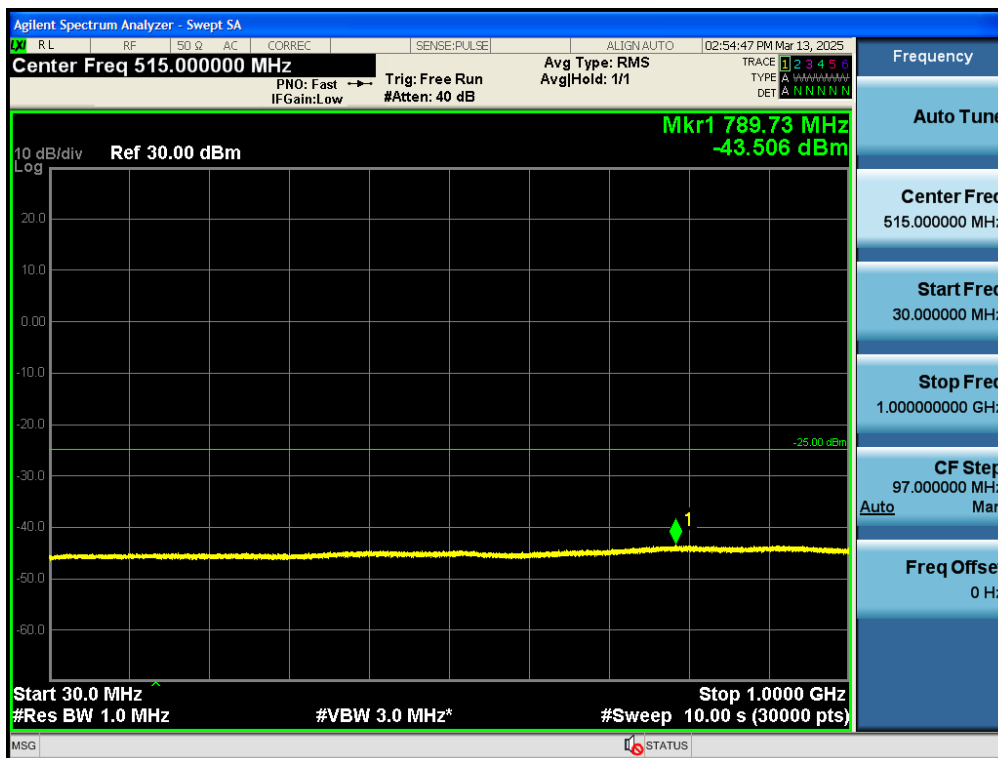
Test_Graph_band38_2615MHz_10M_QPSK_50RB#LOW_30M_1G_TX



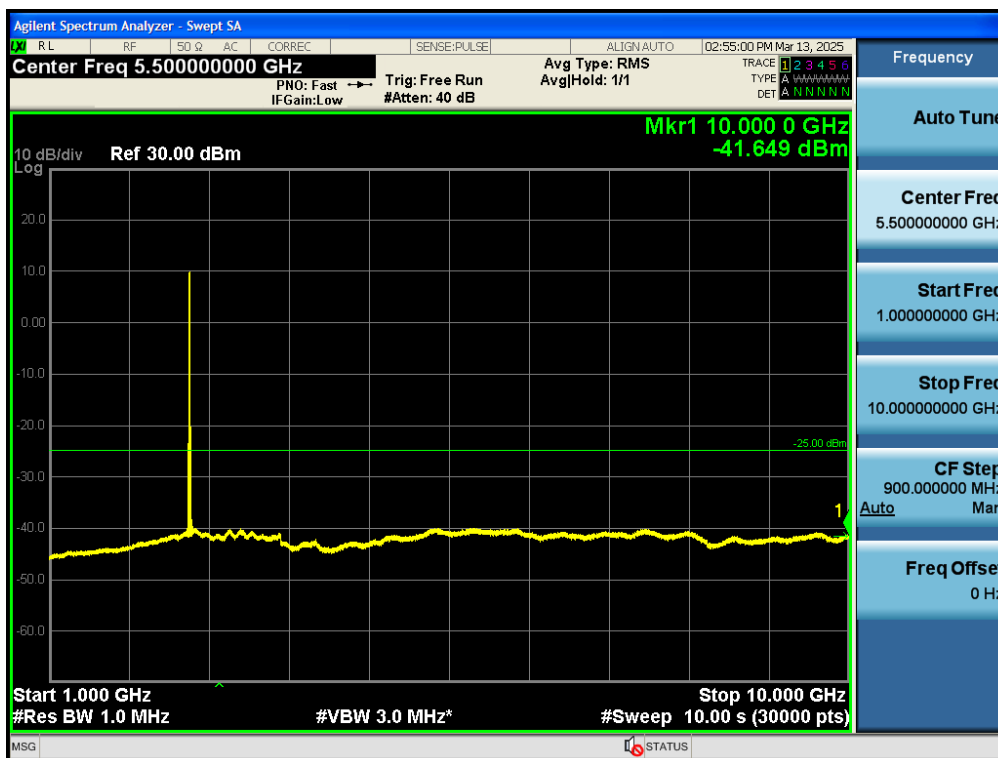
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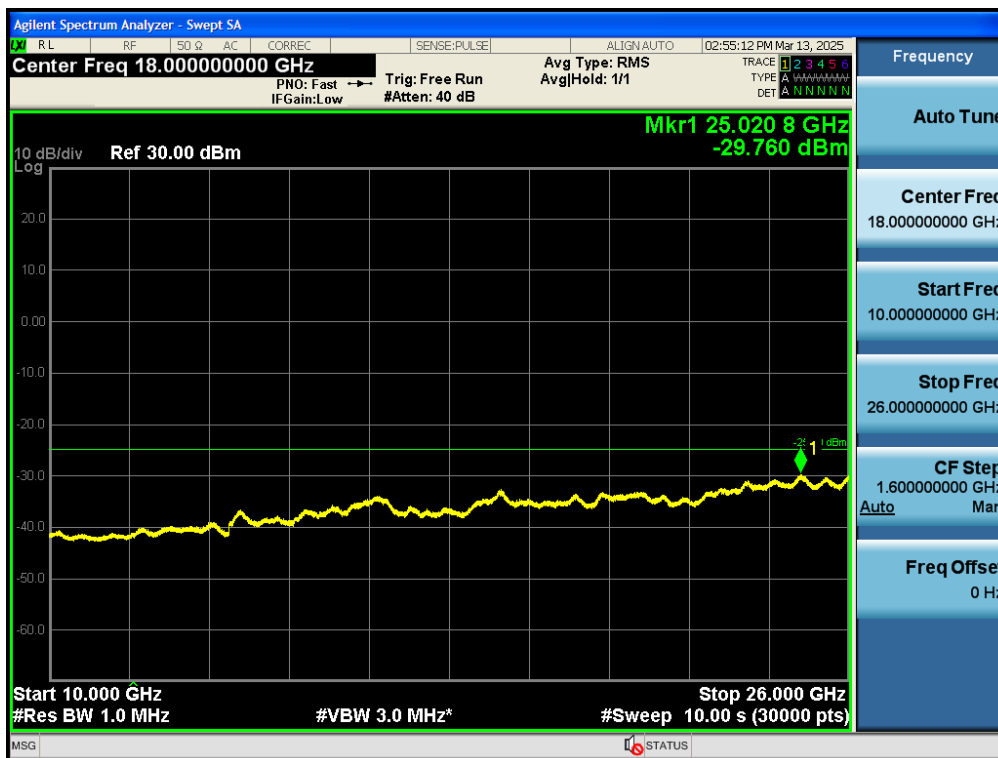
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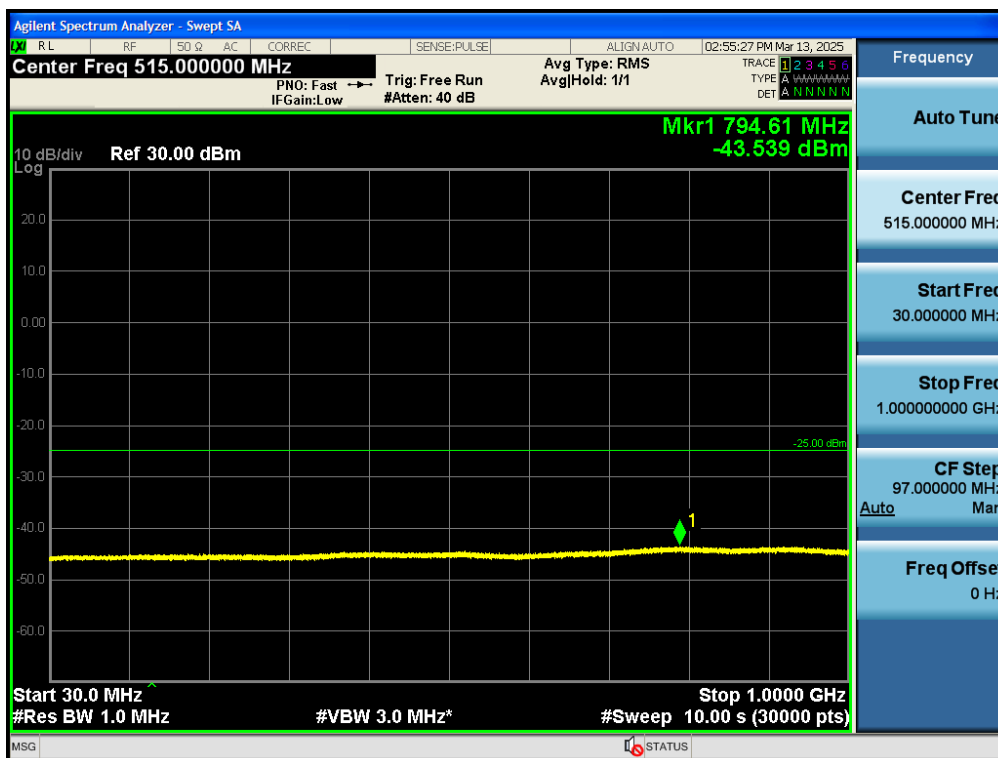
Test_Graph_band38_2577.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX



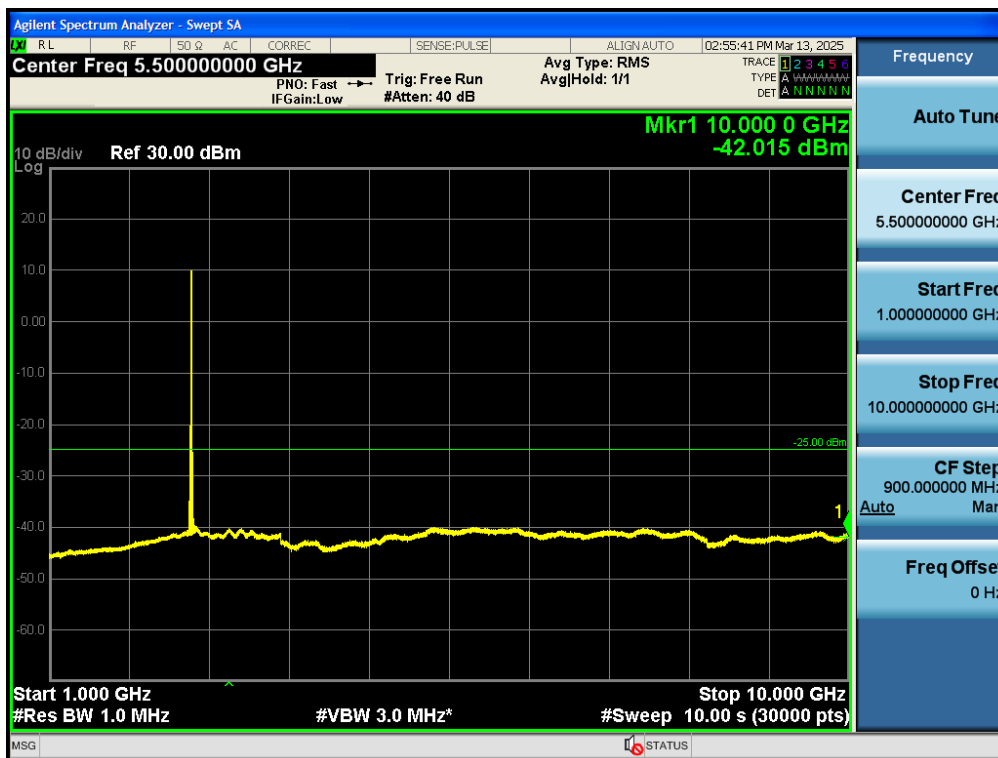
Test_Graph_band38_2577.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX



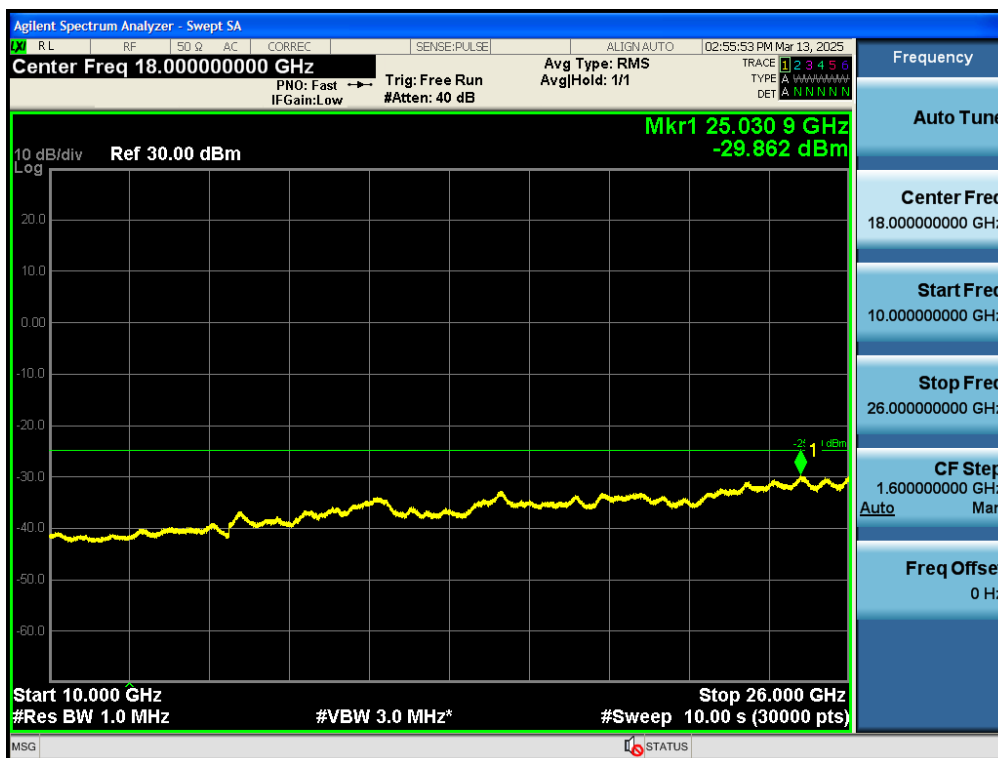
Test_Graph_band38_2577.5MHz_15M_QPSK_75RB#LOW_10G_26.0G_TX



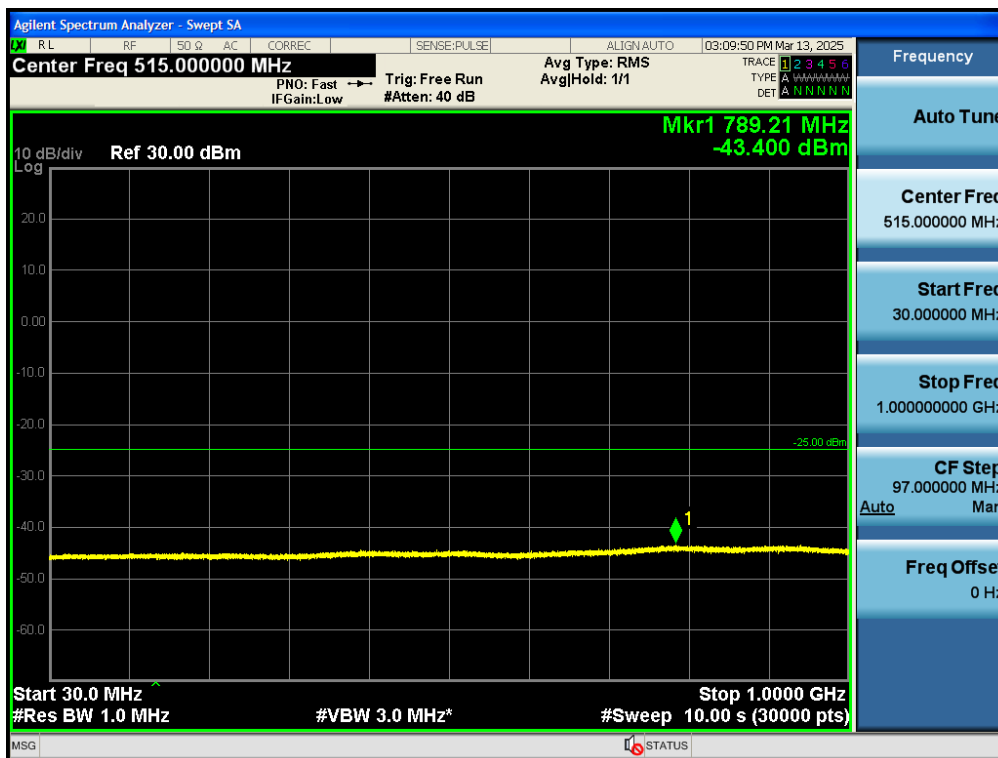
Test_Graph_band38_2595MHz_15M_QPSK_75RB#LOW_30M_1G_TX



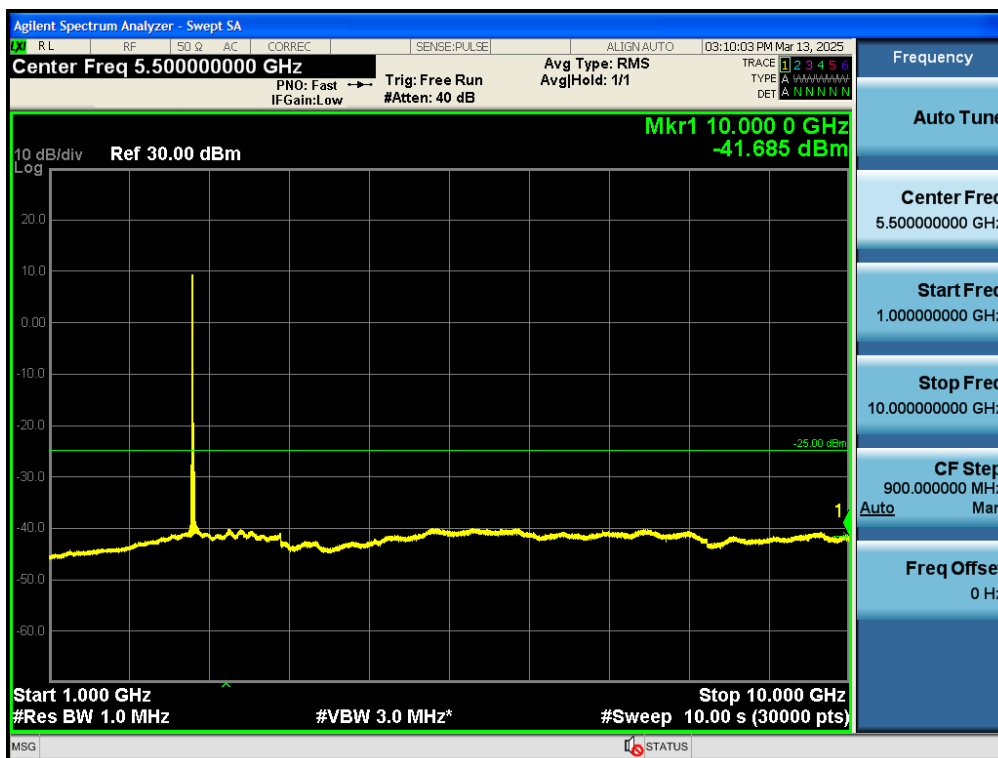
Test_Graph_band38_2595MHz_15M_QPSK_75RB#LOW_1G_10G_TX



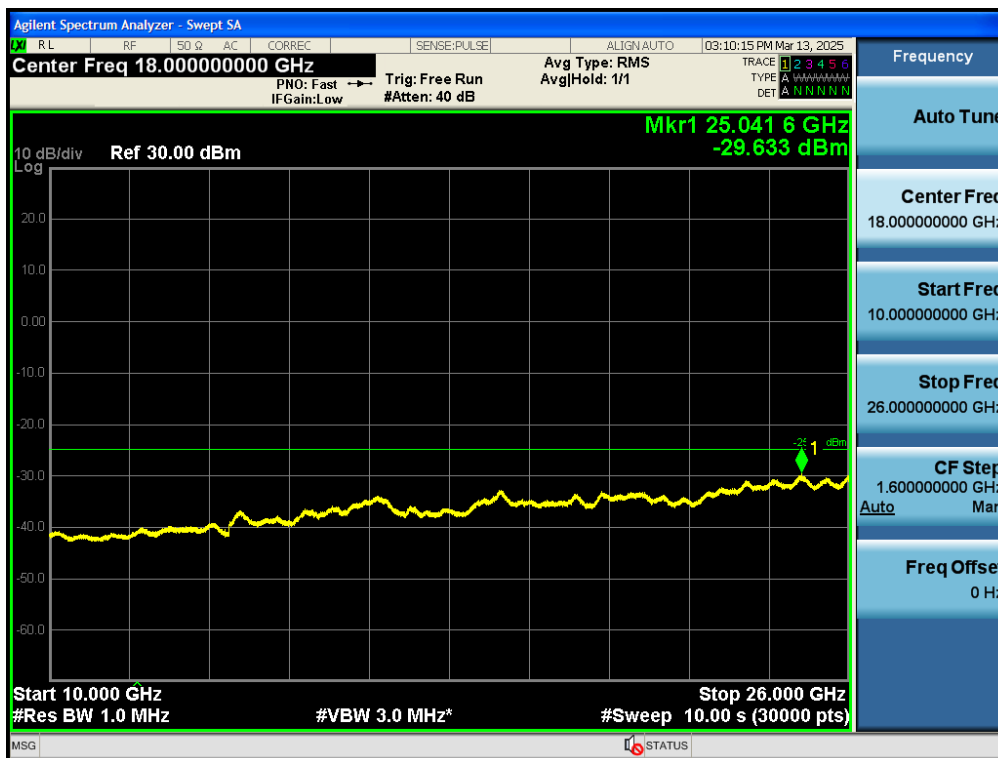
Test_Graph_band38_2595MHz_15M_QPSK_75RB#LOW_10G_26.0G_TX



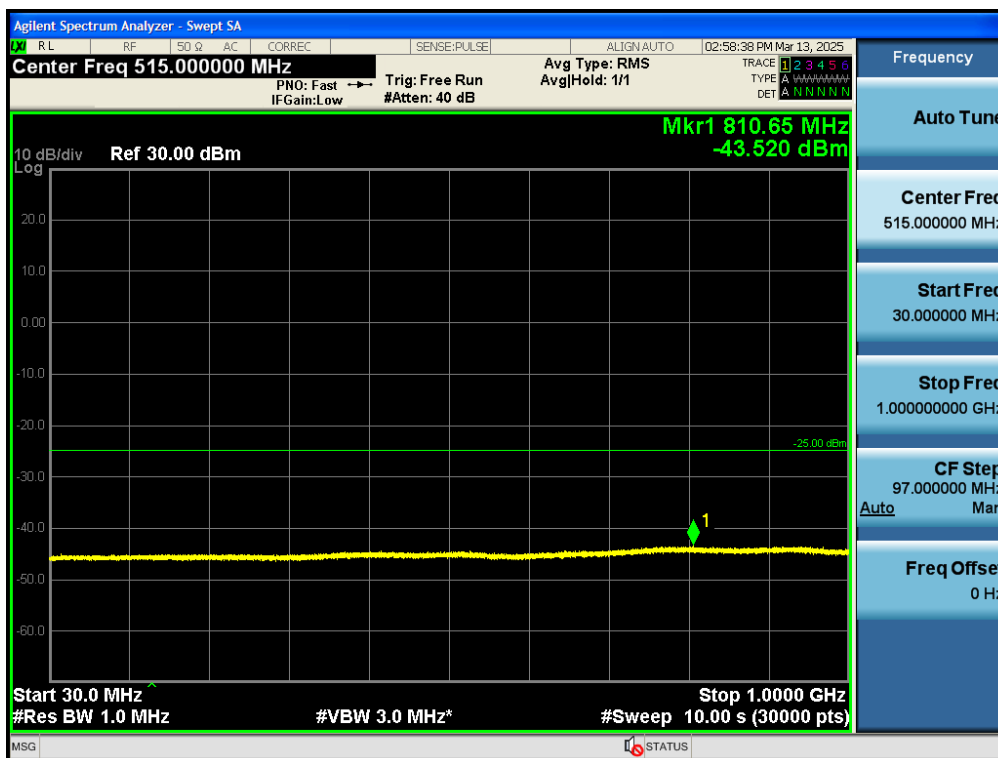
Test_Graph_band38_2612.5MHz_15M_QPSK_75RB#LOW_30M_1G_TX



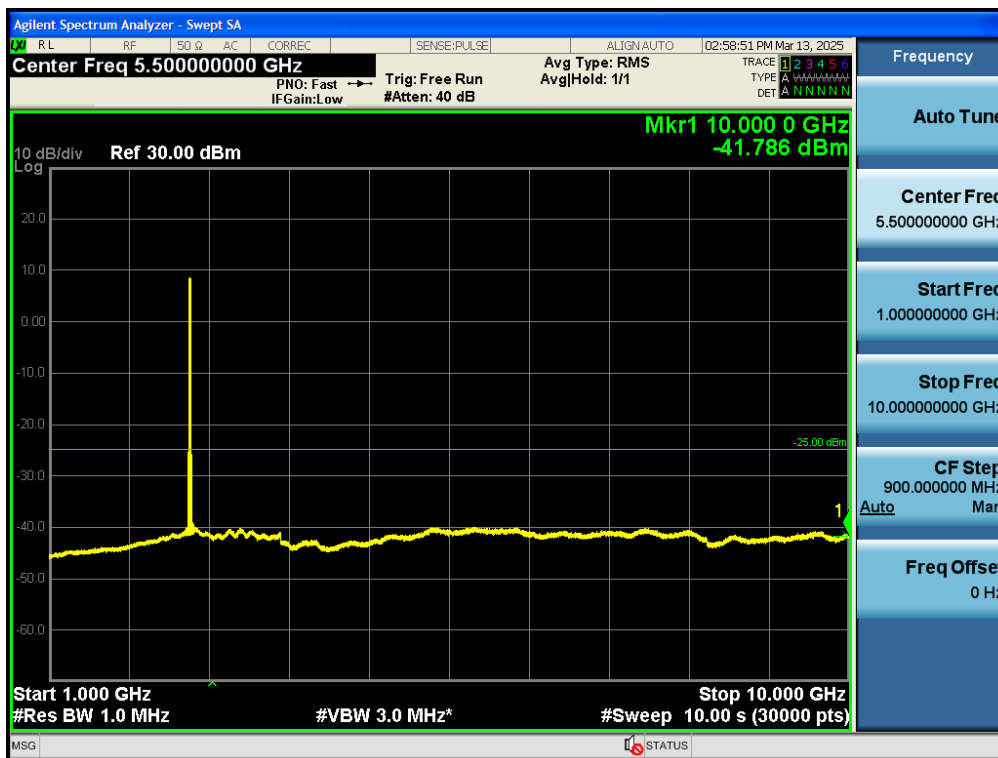
Test_Graph_band38_2612.5MHz_15M_QPSK_75RB#LOW_1G_10G_TX



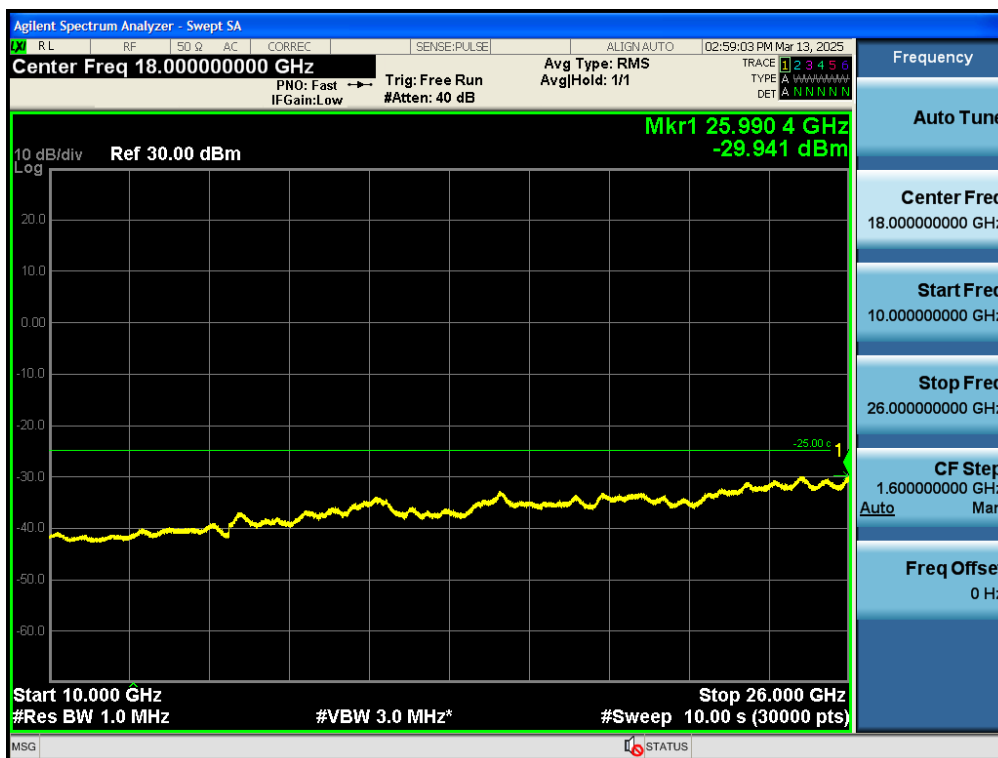
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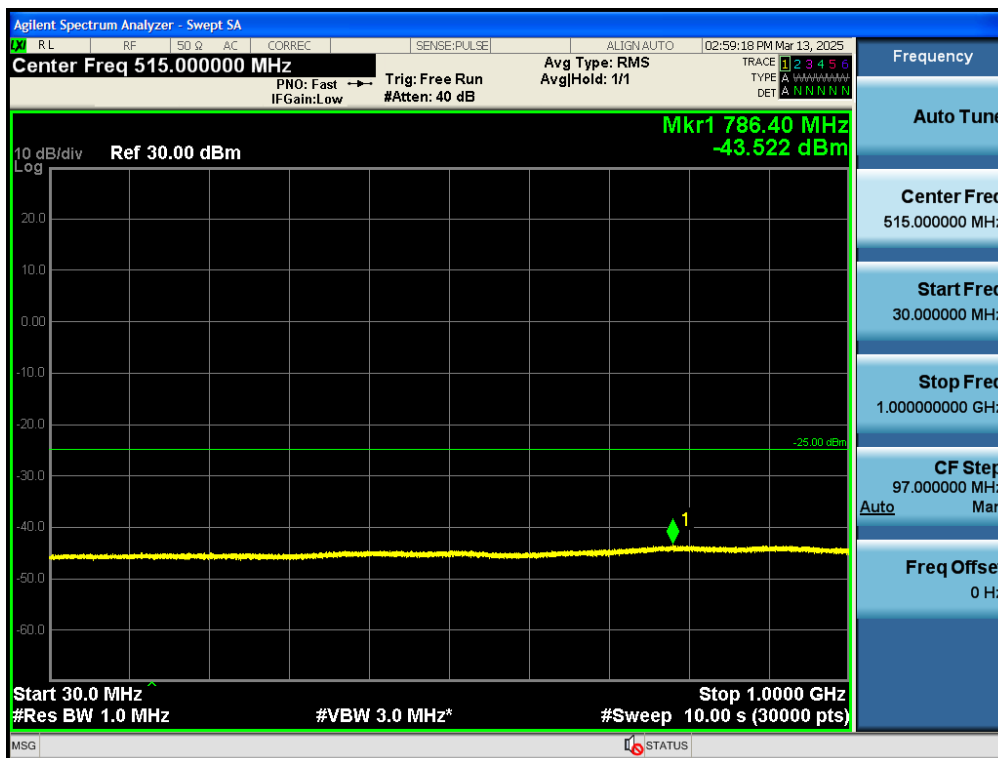
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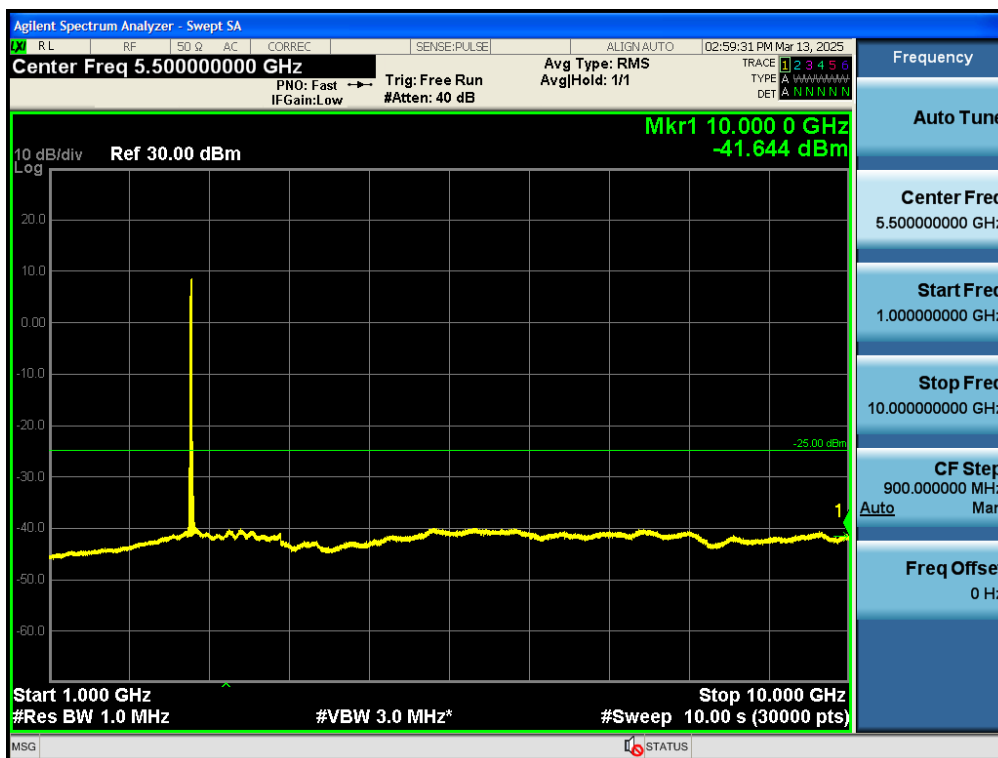
Test_Graph_band38_2580MHz_20M_QPSK_100RB#LOW_1G_10G_TX



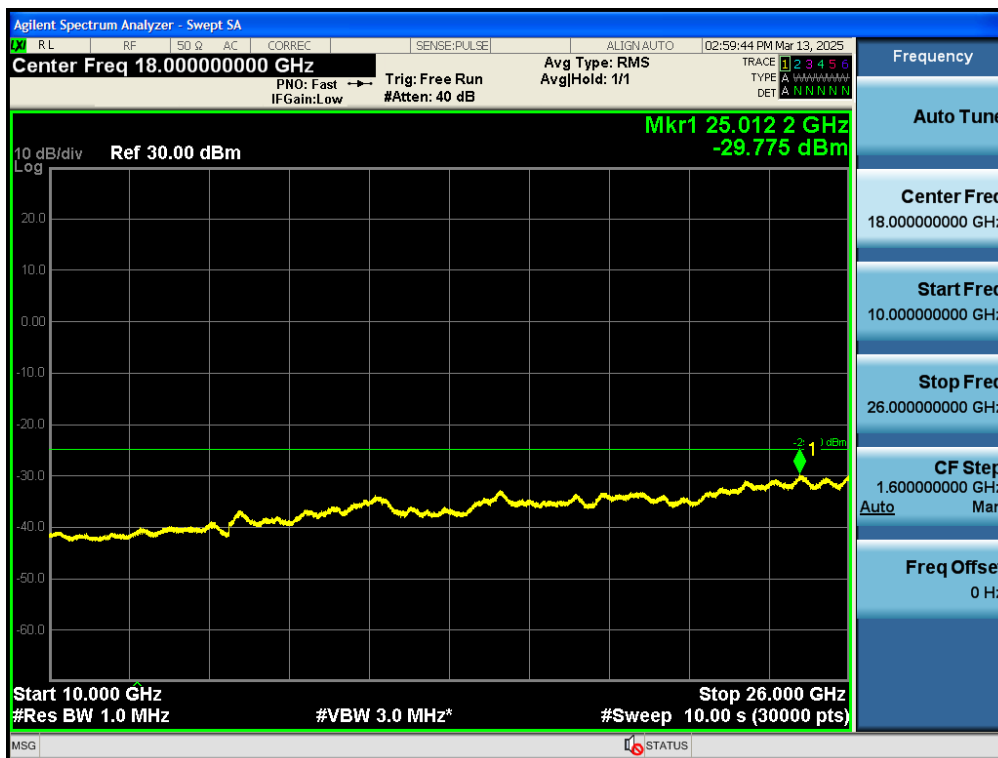
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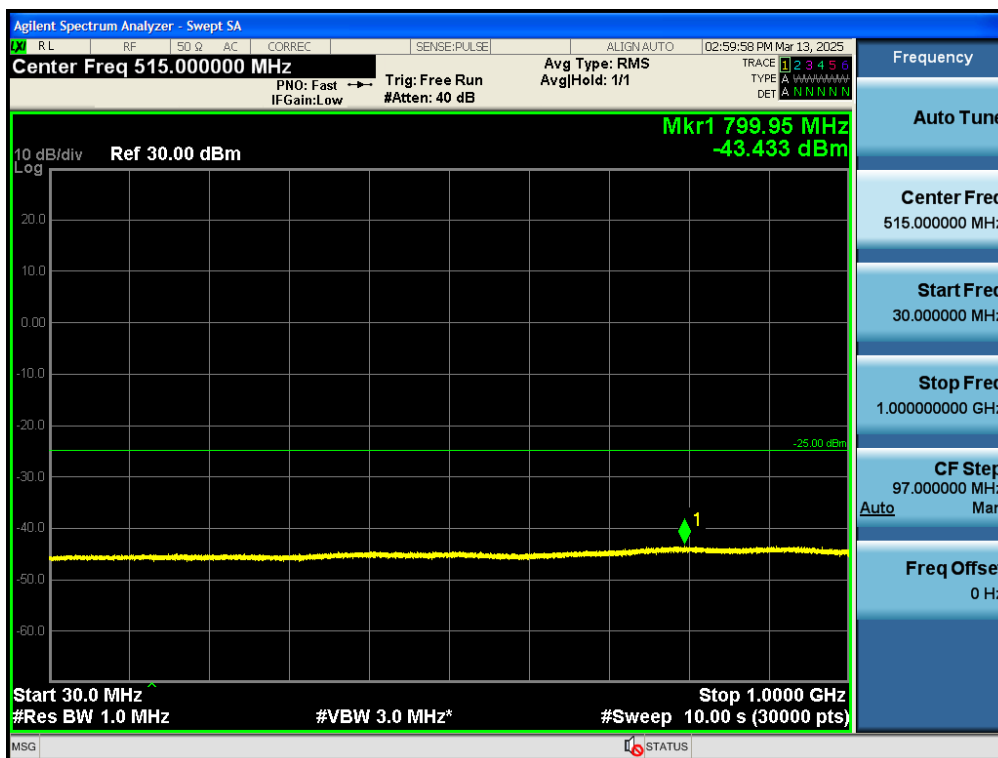
Test_Graph_band38_2595MHz_20M_QPSK_100RB#LOW_30M_1G_TX



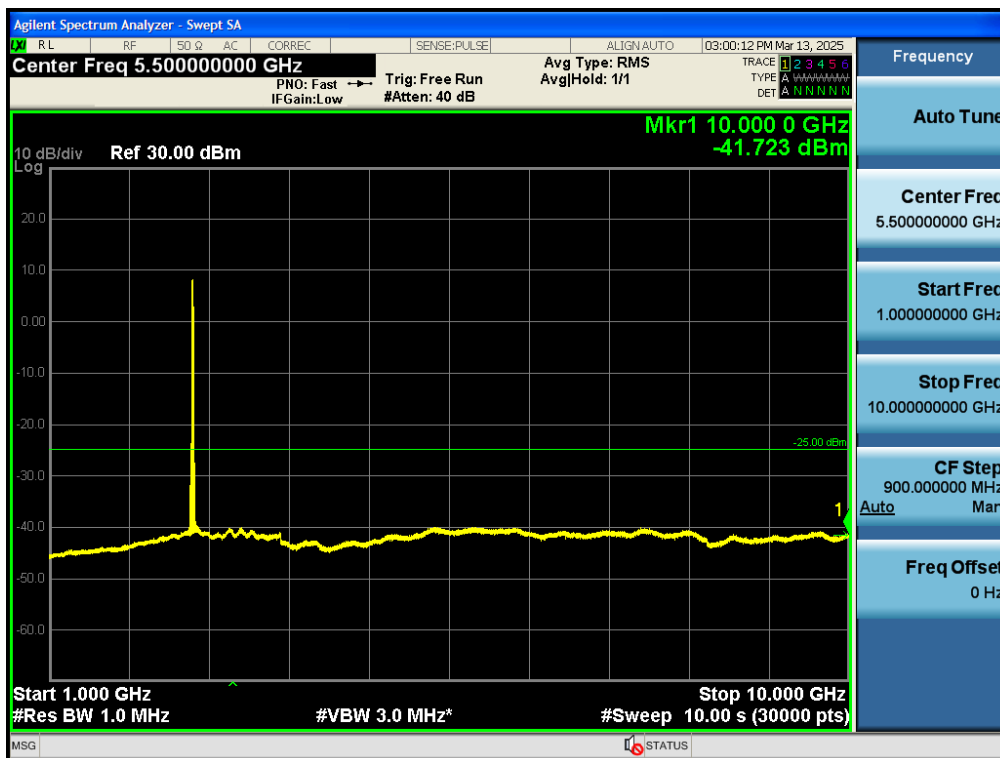
Test_Graph_band38_2595MHz_20M_QPSK_100RB#LOW_1G_10G_TX



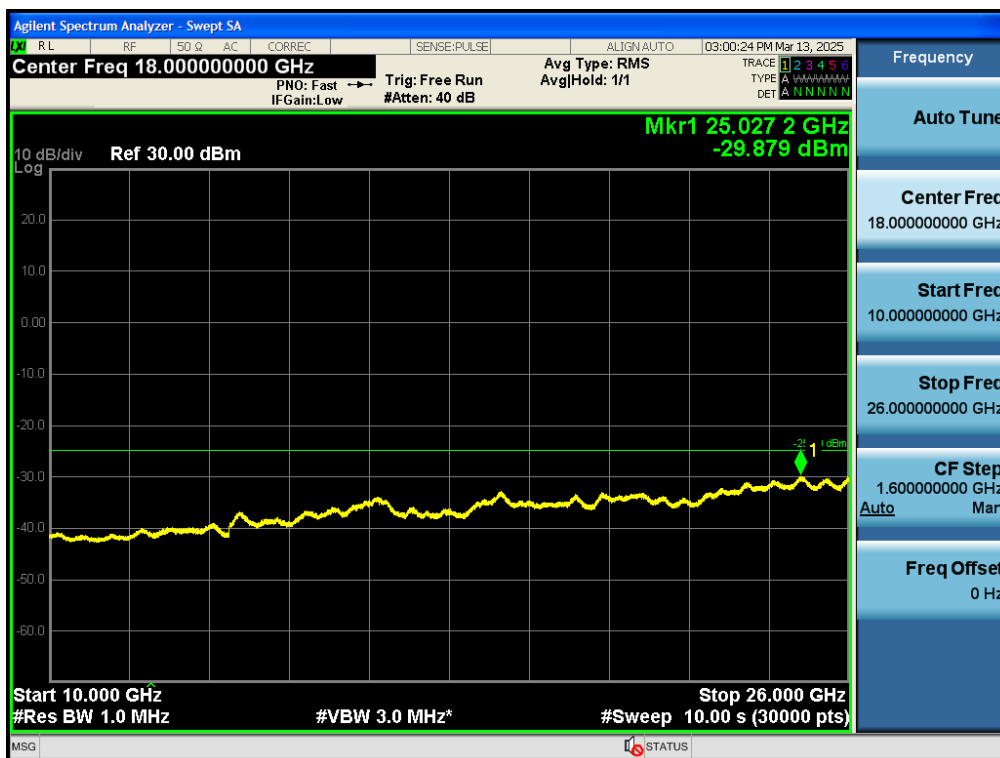
Test_Graph_band38_2595MHz_20M_QPSK_100RB#LOW_10G_26.0G_TX



Test_Graph_band38_2610MHz_20M_QPSK_100RB#LOW_30M_1G_TX



Test_Graph_band38_2610MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band38_2610MHz_20M_QPSK_100RB#LOW_10G_26.0G_TX

Appendix E: Frequency stability

Test Result

Test Conditions		LTE Band 38(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0057	PASS
40	Normal Voltage	0.0068	
30	Normal Voltage	0.0077	
20(Ref.)	Normal Voltage	0.0053	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0077	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0077	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0054	
20	Normal Voltage	0.0062	
20	Battery End Point	0.0065	