

Appendix Test Data for LTE band 5 (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)	ERP (dBm)	Limit (dBm)	Conclusion
5	1.4	824.7	QPSK	6	LOW	21.18	27.12	5.94	13	-1.54	17.49	38.5	Pass
5	1.4	824.7	QPSK	3	LOW	22.04	27.35	5.31	13	-1.54	18.35	38.5	Pass
5	1.4	824.7	QPSK	3	MID	21.99	27.31	5.32	13	-1.54	18.3	38.5	Pass
5	1.4	824.7	QPSK	3	HIGH	21.97	27.32	5.35	13	-1.54	18.28	38.5	Pass
5	1.4	824.7	QPSK	1	LOW	21.97	27.21	5.24	13	-1.54	18.28	38.5	Pass
5	1.4	824.7	QPSK	1	MID	21.97	27.26	5.29	13	-1.54	18.28	38.5	Pass
5	1.4	824.7	QPSK	1	HIGH	21.84	27.2	5.36	13	-1.54	18.15	38.5	Pass
5	1.4	824.7	16QAM	6	LOW	19.96	27.16	7.20	13	-1.54	16.27	38.5	Pass
5	1.4	824.7	16QAM	3	LOW	21.27	27.16	5.89	13	-1.54	17.58	38.5	Pass
5	1.4	824.7	16QAM	3	MID	21.25	27.13	5.88	13	-1.54	17.56	38.5	Pass
5	1.4	824.7	16QAM	3	HIGH	21.23	27.09	5.86	13	-1.54	17.54	38.5	Pass
5	1.4	824.7	16QAM	1	LOW	21.1	26.7	5.60	13	-1.54	17.41	38.5	Pass
5	1.4	824.7	16QAM	1	MID	21.08	26.71	5.63	13	-1.54	17.39	38.5	Pass
5	1.4	824.7	16QAM	1	HIGH	21.05	26.64	5.59	13	-1.54	17.36	38.5	Pass
5	1.4	836.5	QPSK	6	LOW	22.03	27.88	5.85	13	-1.54	18.34	38.5	Pass
5	1.4	836.5	QPSK	3	LOW	22.78	27.82	5.04	13	-1.54	19.09	38.5	Pass
5	1.4	836.5	QPSK	3	MID	22.79	27.82	5.03	13	-1.54	19.1	38.5	Pass
5	1.4	836.5	QPSK	3	HIGH	22.9	27.98	5.08	13	-1.54	19.21	38.5	Pass
5	1.4	836.5	QPSK	1	LOW	22.71	27.54	4.83	13	-1.54	19.02	38.5	Pass
5	1.4	836.5	QPSK	1	MID	22.75	27.59	4.84	13	-1.54	19.06	38.5	Pass
5	1.4	836.5	QPSK	1	HIGH	22.95	27.55	4.60	13	-1.54	19.26	38.5	Pass
5	1.4	836.5	16QAM	6	LOW	21.1	27.48	6.38	13	-1.54	17.41	38.5	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	ERP (dBm)	Limit (dBm)	Conclusion
5	1.4	836.5	16QAM	3	LOW	21.89	27.78	5.89	13	-1.54	18.20	38.5	Pass
5	1.4	836.5	16QAM	3	MID	21.97	27.79	5.82	13	-1.54	18.28	38.5	Pass
5	1.4	836.5	16QAM	3	HIGH	22.09	27.9	5.81	13	-1.54	18.40	38.5	Pass
5	1.4	836.5	16QAM	1	LOW	21.98	27.07	5.09	13	-1.54	18.29	38.5	Pass
5	1.4	836.5	16QAM	1	MID	22.09	27.17	5.08	13	-1.54	18.40	38.5	Pass
5	1.4	836.5	16QAM	1	HIGH	22.27	27.25	4.98	13	-1.54	18.58	38.5	Pass
5	1.4	848.3	QPSK	6	LOW	20.88	27.15	6.27	13	-1.54	17.19	38.5	Pass
5	1.4	848.3	QPSK	3	LOW	21.67	27.97	6.30	13	-1.54	17.98	38.5	Pass
5	1.4	848.3	QPSK	3	MID	21.67	27.98	6.31	13	-1.54	17.98	38.5	Pass
5	1.4	848.3	QPSK	3	HIGH	21.82	28.16	6.34	13	-1.54	18.13	38.5	Pass
5	1.4	848.3	QPSK	1	LOW	21.53	26.93	5.40	13	-1.54	17.84	38.5	Pass
5	1.4	848.3	QPSK	1	MID	21.72	27.14	5.42	13	-1.54	18.03	38.5	Pass
5	1.4	848.3	QPSK	1	HIGH	21.7	27.17	5.47	13	-1.54	18.01	38.5	Pass
5	1.4	848.3	16QAM	6	LOW	19.87	27.03	7.16	13	-1.54	16.18	38.5	Pass
5	1.4	848.3	16QAM	3	LOW	20.81	27.3	6.49	13	-1.54	17.12	38.5	Pass
5	1.4	848.3	16QAM	3	MID	20.79	27.29	6.5	13	-1.54	17.1	38.5	Pass
5	1.4	848.3	16QAM	3	HIGH	20.86	27.48	6.62	13	-1.54	17.17	38.5	Pass
5	1.4	848.3	16QAM	1	LOW	20.69	26.32	5.63	13	-1.54	17.00	38.5	Pass
5	1.4	848.3	16QAM	1	MID	20.84	26.53	5.69	13	-1.54	17.15	38.5	Pass
5	1.4	848.3	16QAM	1	HIGH	20.85	26.6	5.75	13	-1.54	17.16	38.5	Pass
5	3	825.5	QPSK	15	LOW	21.23	27	5.77	13	-1.54	17.54	38.5	Pass
5	3	825.5	QPSK	8	LOW	21.25	26.84	5.59	13	-1.54	17.56	38.5	Pass
5	3	825.5	QPSK	8	MID	21.23	26.79	5.56	13	-1.54	17.54	38.5	Pass
5	3	825.5	QPSK	8	HIGH	21.17	26.86	5.69	13	-1.54	17.48	38.5	Pass
5	3	825.5	QPSK	1	LOW	22.06	26.75	4.69	13	-1.54	18.37	38.5	Pass
5	3	825.5	QPSK	1	MID	21.95	26.77	4.82	13	-1.54	18.26	38.5	Pass
5	3	825.5	QPSK	1	HIGH	21.68	26.61	4.93	13	-1.54	17.99	38.5	Pass
5	3	825.5	16QAM	15	LOW	20.3	27.16	6.86	13	-1.54	16.61	38.5	Pass
5	3	825.5	16QAM	8	LOW	20.31	26.95	6.64	13	-1.54	16.62	38.5	Pass
5	3	825.5	16QAM	8	MID	20.32	26.96	6.64	13	-1.54	16.63	38.5	Pass
5	3	825.5	16QAM	8	HIGH	20.45	27.06	6.61	13	-1.54	16.76	38.5	Pass
5	3	825.5	16QAM	1	LOW	21.68	27.14	5.46	13	-1.54	17.99	38.5	Pass
5	3	825.5	16QAM	1	MID	21.6	27.22	5.62	13	-1.54	17.91	38.5	Pass
5	3	825.5	16QAM	1	HIGH	21.43	27.21	5.78	13	-1.54	17.74	38.5	Pass
5	3	836.5	QPSK	15	LOW	21.98	27.5	5.52	13	-1.54	18.29	38.5	Pass
5	3	836.5	QPSK	8	LOW	21.85	27.95	6.10	13	-1.54	18.16	38.5	Pass
5	3	836.5	QPSK	8	MID	21.82	27.97	6.15	13	-1.54	18.13	38.5	Pass
5	3	836.5	QPSK	8	HIGH	22.09	28.1	6.01	13	-1.54	18.40	38.5	Pass
5	3	836.5	QPSK	1	LOW	22.46	27.56	5.10	13	-1.54	18.77	38.5	Pass
5	3	836.5	QPSK	1	MID	22.86	27.61	4.75	13	-1.54	19.17	38.5	Pass
5	3	836.5	QPSK	1	HIGH	22.95	27.54	4.59	13	-1.54	19.26	38.5	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	ERP (dBm)	Limit (dBm)	Conclusion
5	3	836.5	16QAM	15	LOW	21.02	27.94	6.92	13	-1.54	17.33	38.5	Pass
5	3	836.5	16QAM	8	LOW	20.91	27.47	6.56	13	-1.54	17.22	38.5	Pass
5	3	836.5	16QAM	8	MID	20.89	27.53	6.64	13	-1.54	17.20	38.5	Pass
5	3	836.5	16QAM	8	HIGH	21.18	27.66	6.48	13	-1.54	17.49	38.5	Pass
5	3	836.5	16QAM	1	LOW	21.7	26.81	5.11	13	-1.54	18.01	38.5	Pass
5	3	836.5	16QAM	1	MID	22.17	27.25	5.08	13	-1.54	18.48	38.5	Pass
5	3	836.5	16QAM	1	HIGH	22.26	27.21	4.95	13	-1.54	18.57	38.5	Pass
5	3	847.5	QPSK	15	LOW	20.9	27.34	6.44	13	-1.54	17.21	38.5	Pass
5	3	847.5	QPSK	8	LOW	20.7	27.04	6.34	13	-1.54	17.01	38.5	Pass
5	3	847.5	QPSK	8	MID	20.69	26.97	6.28	13	-1.54	17.00	38.5	Pass
5	3	847.5	QPSK	8	HIGH	20.89	27.34	6.45	13	-1.54	17.20	38.5	Pass
5	3	847.5	QPSK	1	LOW	21.41	26.43	5.02	13	-1.54	17.72	38.5	Pass
5	3	847.5	QPSK	1	MID	21.71	27.12	5.41	13	-1.54	18.02	38.5	Pass
5	3	847.5	QPSK	1	HIGH	21.77	27.27	5.5	13	-1.54	18.08	38.5	Pass
5	3	847.5	16QAM	15	LOW	19.95	27.25	7.30	13	-1.54	16.26	38.5	Pass
5	3	847.5	16QAM	8	LOW	19.93	26.68	6.75	13	-1.54	16.24	38.5	Pass
5	3	847.5	16QAM	8	MID	19.95	26.7	6.75	13	-1.54	16.26	38.5	Pass
5	3	847.5	16QAM	8	HIGH	20.13	26.88	6.75	13	-1.54	16.44	38.5	Pass
5	3	847.5	16QAM	1	LOW	20.62	25.98	5.36	13	-1.54	16.93	38.5	Pass
5	3	847.5	16QAM	1	MID	20.81	26.45	5.64	13	-1.54	17.12	38.5	Pass
5	3	847.5	16QAM	1	HIGH	20.81	26.56	5.75	13	-1.54	17.12	38.5	Pass
5	5	826.5	QPSK	25	LOW	21.19	27.74	6.55	13	-1.54	17.50	38.5	Pass
5	5	826.5	QPSK	12	LOW	21.12	27.08	5.96	13	-1.54	17.43	38.5	Pass
5	5	826.5	QPSK	12	MID	21.12	27.19	6.07	13	-1.54	17.43	38.5	Pass
5	5	826.5	QPSK	12	HIGH	20.75	27.06	6.31	13	-1.54	17.06	38.5	Pass
5	5	826.5	QPSK	1	LOW	22.11	27.01	4.90	13	-1.54	18.42	38.5	Pass
5	5	826.5	QPSK	1	MID	21.83	27.12	5.29	13	-1.54	18.14	38.5	Pass
5	5	826.5	QPSK	1	HIGH	21.29	26.81	5.52	13	-1.54	17.6	38.5	Pass
5	5	826.5	16QAM	25	LOW	20.17	27.53	7.36	13	-1.54	16.48	38.5	Pass
5	5	826.5	16QAM	12	LOW	20.15	26.74	6.59	13	-1.54	16.46	38.5	Pass
5	5	826.5	16QAM	12	MID	20.17	26.66	6.49	13	-1.54	16.48	38.5	Pass
5	5	826.5	16QAM	12	HIGH	19.85	26.64	6.79	13	-1.54	16.16	38.5	Pass
5	5	826.5	16QAM	1	LOW	21.43	26.8	5.37	13	-1.54	17.74	38.5	Pass
5	5	826.5	16QAM	1	MID	21.21	26.93	5.72	13	-1.54	17.52	38.5	Pass
5	5	826.5	16QAM	1	HIGH	20.76	26.64	5.88	13	-1.54	17.07	38.5	Pass
5	5	836.5	QPSK	25	LOW	21.95	27.93	5.98	13	-1.54	18.26	38.5	Pass
5	5	836.5	QPSK	12	LOW	21.67	27.84	6.17	13	-1.54	17.98	38.5	Pass
5	5	836.5	QPSK	12	MID	21.68	27.82	6.14	13	-1.54	17.99	38.5	Pass
5	5	836.5	QPSK	12	HIGH	22.19	27.77	5.58	13	-1.54	18.50	38.5	Pass
5	5	836.5	QPSK	1	LOW	22.37	27.49	5.12	13	-1.54	18.68	38.5	Pass
5	5	836.5	QPSK	1	MID	22.88	27.54	4.66	13	-1.54	19.19	38.5	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	ERP (dBm)	Limit (dBm)	Conclusion
5	5	836.5	QPSK	1	HIGH	22.97	27.46	4.49	13	-1.54	19.28	38.5	Pass
5	5	836.5	16QAM	25	LOW	21.1	28.31	7.21	13	-1.54	17.41	38.5	Pass
5	5	836.5	16QAM	12	LOW	20.75	27.69	6.94	13	-1.54	17.06	38.5	Pass
5	5	836.5	16QAM	12	MID	20.73	27.51	6.78	13	-1.54	17.04	38.5	Pass
5	5	836.5	16QAM	12	HIGH	21.24	27.81	6.57	13	-1.54	17.55	38.5	Pass
5	5	836.5	16QAM	1	LOW	21.55	27.46	5.91	13	-1.54	17.86	38.5	Pass
5	5	836.5	16QAM	1	MID	22.15	27.56	5.41	13	-1.54	18.46	38.5	Pass
5	5	836.5	16QAM	1	HIGH	22.26	27.47	5.21	13	-1.54	18.57	38.5	Pass
5	5	846.5	QPSK	25	LOW	20.76	27.22	6.46	13	-1.54	17.07	38.5	Pass
5	5	846.5	QPSK	12	LOW	20.87	26.64	5.77	13	-1.54	17.18	38.5	Pass
5	5	846.5	QPSK	12	MID	20.87	26.59	5.72	13	-1.54	17.18	38.5	Pass
5	5	846.5	QPSK	12	HIGH	20.77	26.97	6.20	13	-1.54	17.08	38.5	Pass
5	5	846.5	QPSK	1	LOW	22.02	27.3	5.28	13	-1.54	18.33	38.5	Pass
5	5	846.5	QPSK	1	MID	21.57	27.53	5.96	13	-1.54	17.88	38.5	Pass
5	5	846.5	QPSK	1	HIGH	21.92	27.82	5.90	13	-1.54	18.23	38.5	Pass
5	5	846.5	16QAM	25	LOW	19.9	27.58	7.68	13	-1.54	16.21	38.5	Pass
5	5	846.5	16QAM	12	LOW	19.98	27.22	7.24	13	-1.54	16.29	38.5	Pass
5	5	846.5	16QAM	12	MID	20.01	27.31	7.30	13	-1.54	16.32	38.5	Pass
5	5	846.5	16QAM	12	HIGH	19.93	27.87	7.94	13	-1.54	16.24	38.5	Pass
5	5	846.5	16QAM	1	LOW	21.04	26.3	5.26	13	-1.54	17.35	38.5	Pass
5	5	846.5	16QAM	1	MID	20.54	26.17	5.63	13	-1.54	16.85	38.5	Pass
5	5	846.5	16QAM	1	HIGH	20.91	26.78	5.87	13	-1.54	17.22	38.5	Pass
5	10	829	QPSK	50	LOW	20.63	27.18	6.55	13	-1.54	16.94	38.5	Pass
5	10	829	QPSK	25	LOW	20.74	27.09	6.35	13	-1.54	17.05	38.5	Pass
5	10	829	QPSK	25	MID	20.75	27.13	6.38	13	-1.54	17.06	38.5	Pass
5	10	829	QPSK	25	HIGH	20.41	27.27	6.86	13	-1.54	16.72	38.5	Pass
5	10	829	QPSK	1	LOW	21.77	26.48	4.71	13	-1.54	18.08	38.5	Pass
5	10	829	QPSK	1	MID	21.04	26.02	4.98	13	-1.54	17.35	38.5	Pass
5	10	829	QPSK	1	HIGH	21.96	27.27	5.31	13	-1.54	18.27	38.5	Pass
5	10	829	16QAM	25	LOW	19.84	27.03	7.19	13	-1.54	16.15	38.5	Pass
5	10	829	16QAM	25	MID	19.9	27.06	7.16	13	-1.54	16.21	38.5	Pass
5	10	829	16QAM	25	HIGH	19.62	27.29	7.67	13	-1.54	15.93	38.5	Pass
5	10	829	16QAM	1	LOW	21.48	27.03	5.55	13	-1.54	17.79	38.5	Pass
5	10	829	16QAM	1	MID	20.86	27.17	6.31	13	-1.54	17.17	38.5	Pass
5	10	829	16QAM	1	HIGH	21.7	27.65	5.95	13	-1.54	18.01	38.5	Pass
5	10	836.5	QPSK	50	LOW	21.75	27.93	6.18	13	-1.54	18.06	38.5	Pass
5	10	836.5	QPSK	25	LOW	21.37	27.85	6.48	13	-1.54	17.68	38.5	Pass
5	10	836.5	QPSK	25	MID	21.32	27.67	6.35	13	-1.54	17.63	38.5	Pass
5	10	836.5	QPSK	25	HIGH	21.69	27.63	5.94	13	-1.54	18.00	38.5	Pass
5	10	836.5	QPSK	1	LOW	21.53	27.27	5.74	13	-1.54	17.84	38.5	Pass
5	10	836.5	QPSK	1	MID	22.77	27.61	4.84	13	-1.54	19.08	38.5	Pass

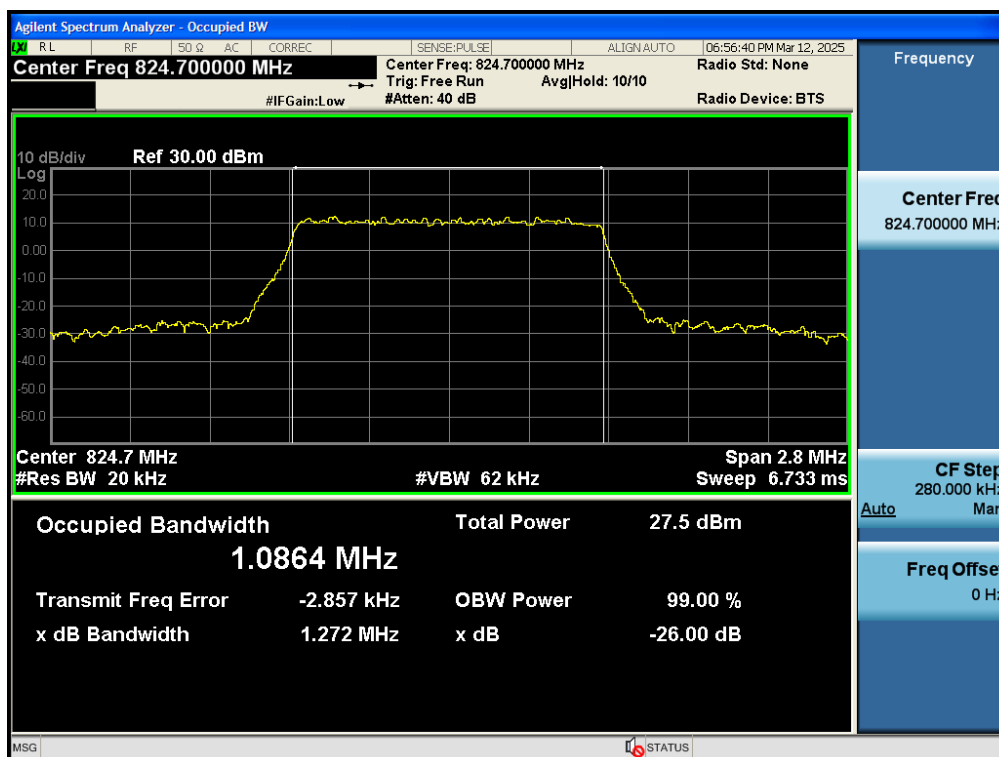
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	ERP (dBm)	Limit (dBm)	Conclusion
5	10	836.5	QPSK	1	HIGH	22.78	27.31	4.53	13	-1.54	19.09	38.5	Pass
5	10	836.5	16QAM	25	LOW	20.62	27.97	7.35	13	-1.54	16.93	38.5	Pass
5	10	836.5	16QAM	25	MID	20.58	28.04	7.46	13	-1.54	16.89	38.5	Pass
5	10	836.5	16QAM	25	HIGH	20.88	27.77	6.89	13	-1.54	17.19	38.5	Pass
5	10	836.5	16QAM	1	LOW	20.77	25.78	5.01	13	-1.54	17.08	38.5	Pass
5	10	836.5	16QAM	1	MID	22.05	27.1	5.05	13	-1.54	18.36	38.5	Pass
5	10	836.5	16QAM	1	HIGH	22.08	26.65	4.57	13	-1.54	18.39	38.5	Pass
5	10	844	QPSK	50	LOW	21.24	27.22	5.98	13	-1.54	17.55	38.5	Pass
5	10	844	QPSK	25	LOW	21.61	27.42	5.81	13	-1.54	17.92	38.5	Pass
5	10	844	QPSK	25	MID	21.62	27.37	5.75	13	-1.54	17.93	38.5	Pass
5	10	844	QPSK	25	HIGH	20.62	27.43	6.81	13	-1.54	16.93	38.5	Pass
5	10	844	QPSK	1	LOW	22.85	27.18	4.33	13	-1.54	19.16	38.5	Pass
5	10	844	QPSK	1	MID	21.92	26.52	4.60	13	-1.54	18.23	38.5	Pass
5	10	844	QPSK	1	HIGH	21.94	27.33	5.39	13	-1.54	18.25	38.5	Pass
5	10	844	16QAM	25	LOW	20.68	27.31	6.63	13	-1.54	16.99	38.5	Pass
5	10	844	16QAM	25	MID	20.76	27.36	6.60	13	-1.54	17.07	38.5	Pass
5	10	844	16QAM	25	HIGH	19.89	27.21	7.32	13	-1.54	16.20	38.5	Pass
5	10	844	16QAM	1	LOW	22.02	27.01	4.99	13	-1.54	18.33	38.5	Pass
5	10	844	16QAM	1	MID	21.1	26.23	5.13	13	-1.54	17.41	38.5	Pass
5	10	844	16QAM	1	HIGH	20.99	26.78	5.79	13	-1.54	17.3	38.5	Pass

Appendix B: Occupied bandwidth

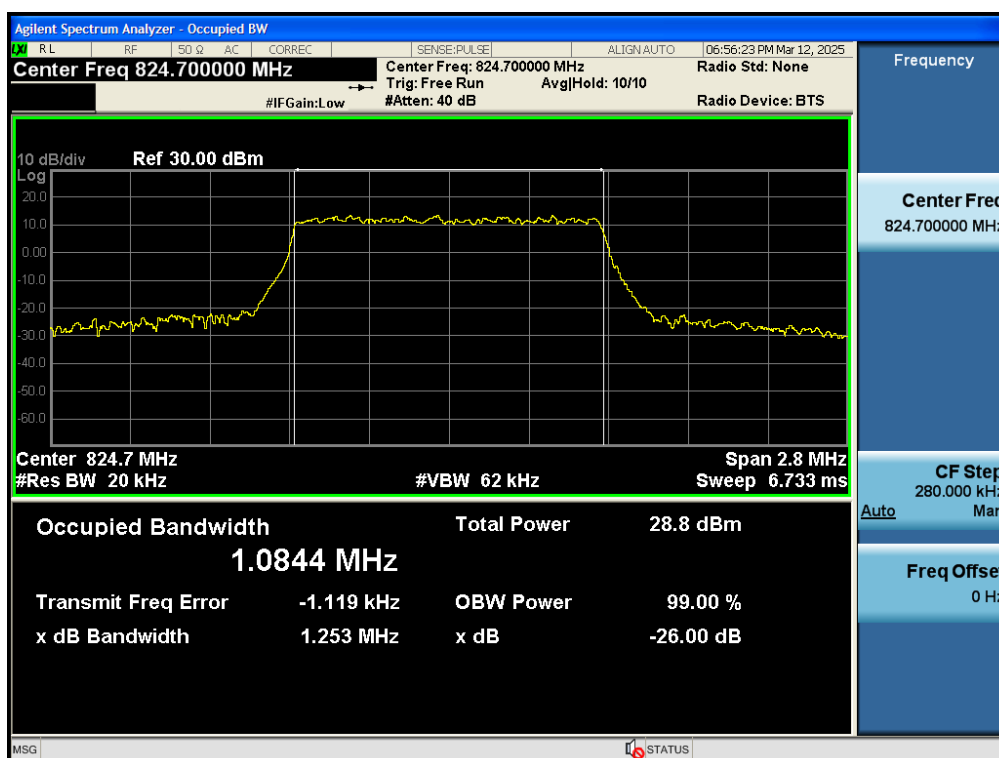
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
5	1.4	824.7	QPSK	6	LOW	1.084	1.253	No limit
5	1.4	824.7	16QAM	6	LOW	1.086	1.272	No limit
5	1.4	836.5	QPSK	6	LOW	1.086	1.267	No limit
5	1.4	836.5	16QAM	6	LOW	1.083	1.24	No limit
5	1.4	848.3	QPSK	6	LOW	1.096	1.24	No limit
5	1.4	848.3	16QAM	6	LOW	1.087	1.258	No limit
5	3	825.5	QPSK	15	LOW	2.682	2.891	No limit
5	3	825.5	16QAM	15	LOW	2.68	2.89	No limit
5	3	836.5	QPSK	15	LOW	2.663	2.799	No limit
5	3	836.5	16QAM	15	LOW	2.682	2.882	No limit
5	3	847.5	QPSK	15	LOW	2.688	2.905	No limit
5	3	847.5	16QAM	15	LOW	2.682	2.901	No limit
5	5	826.5	QPSK	25	LOW	4.484	4.885	No limit
5	5	826.5	16QAM	25	LOW	4.475	4.825	No limit
5	5	836.5	QPSK	25	LOW	4.43	4.642	No limit
5	5	836.5	16QAM	25	LOW	4.444	4.66	No limit
5	5	846.5	QPSK	25	LOW	4.474	4.863	No limit
5	5	846.5	16QAM	25	LOW	4.483	4.878	No limit
5	10	829	QPSK	50	LOW	8.983	9.618	No limit
5	10	836.5	QPSK	50	LOW	8.86	9.193	No limit
5	10	844	QPSK	50	LOW	8.943	9.572	No limit

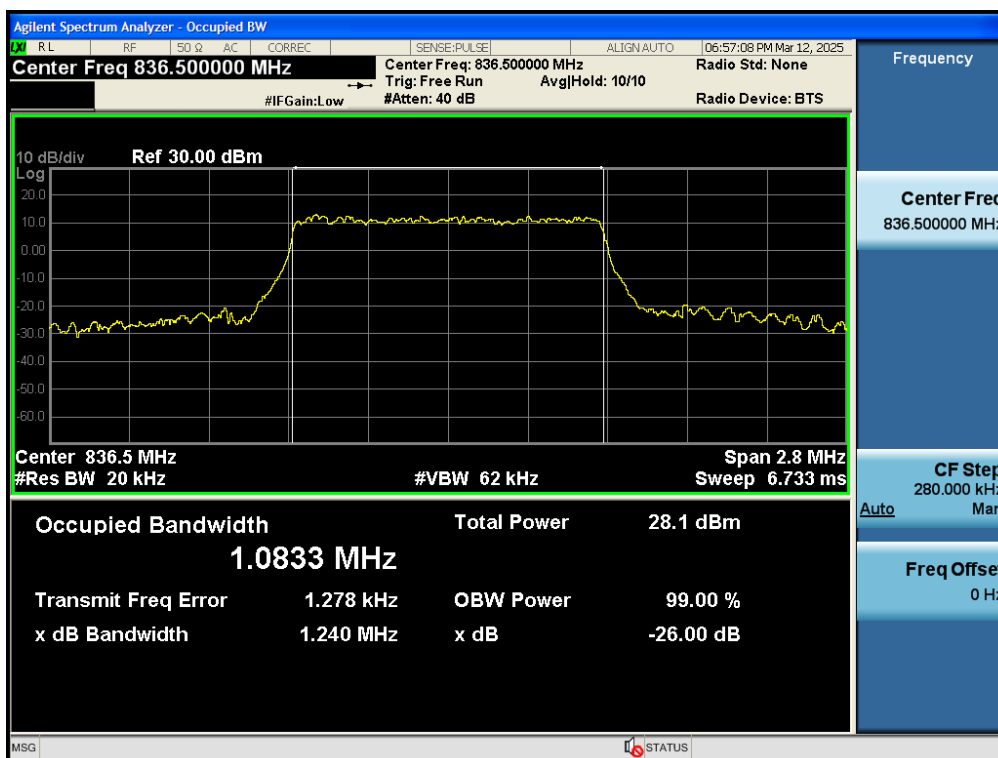
Test Graphs



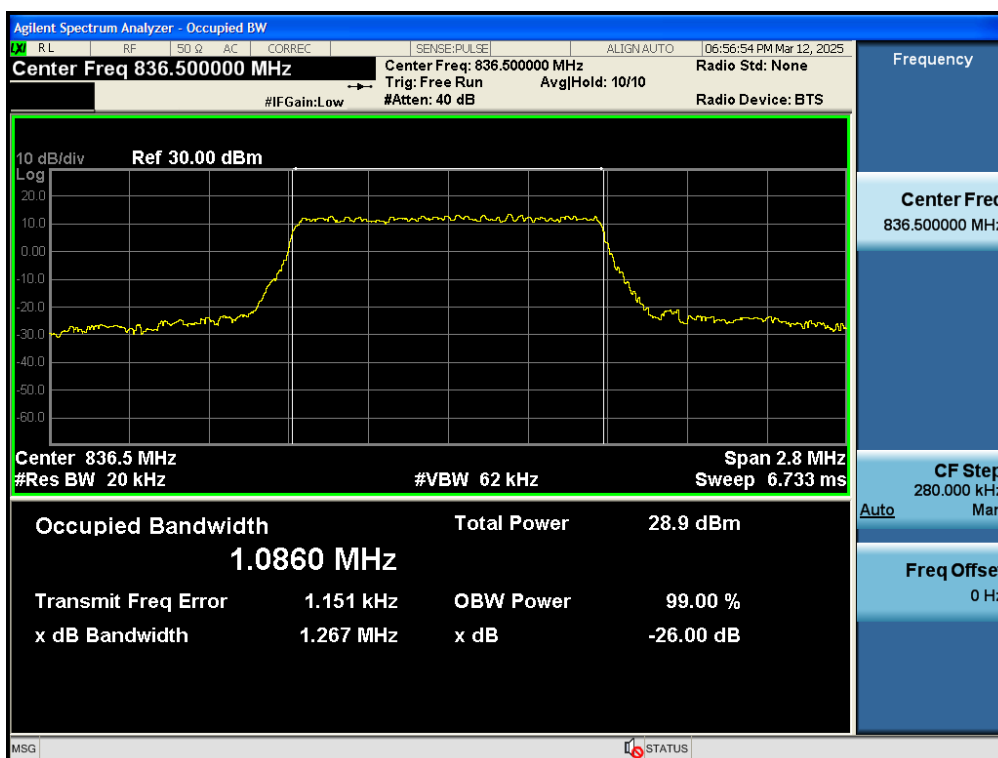
Test_Graph_band5_824.7MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



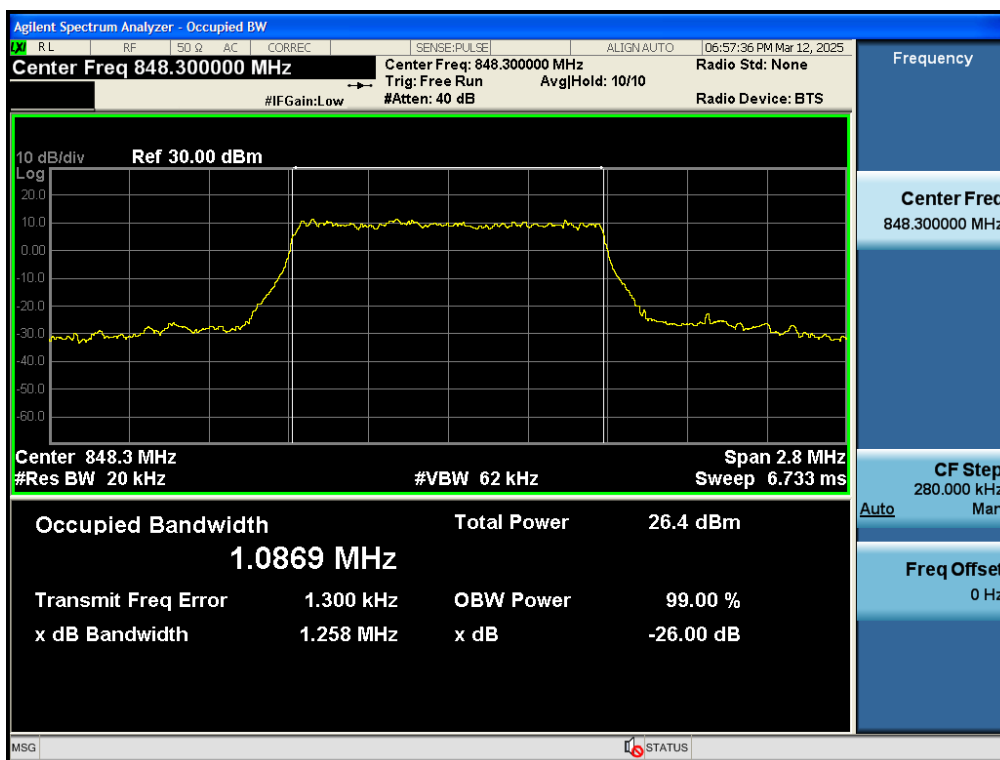
Test_Graph_band5_824.7MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



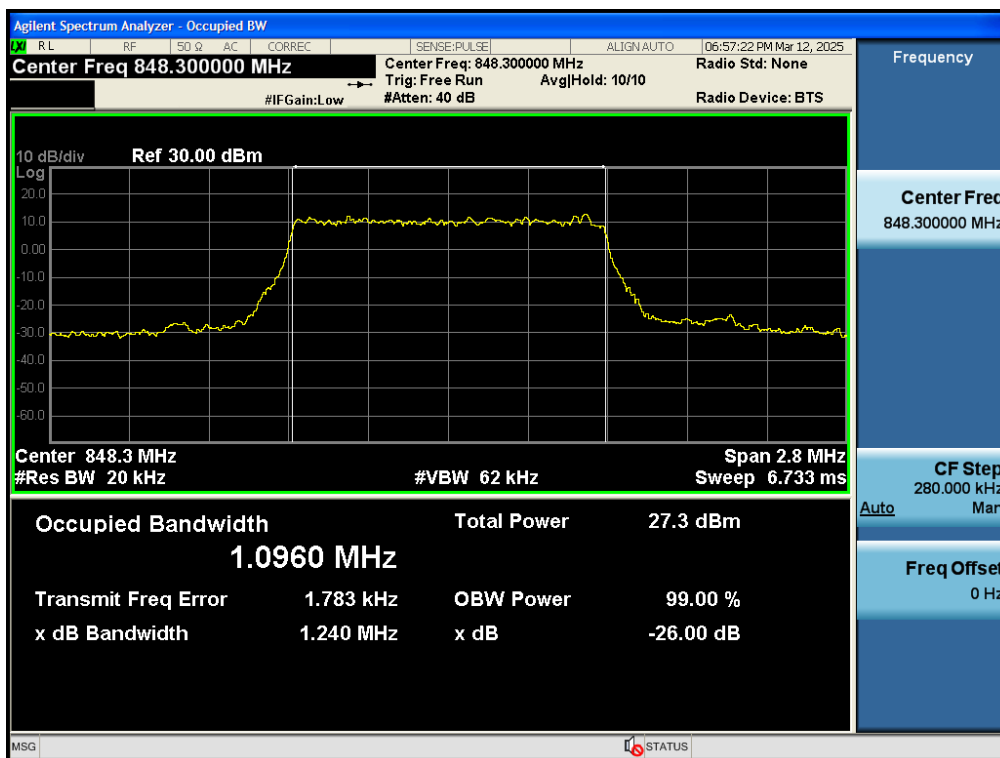
Test_Graph_band5_836.5MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



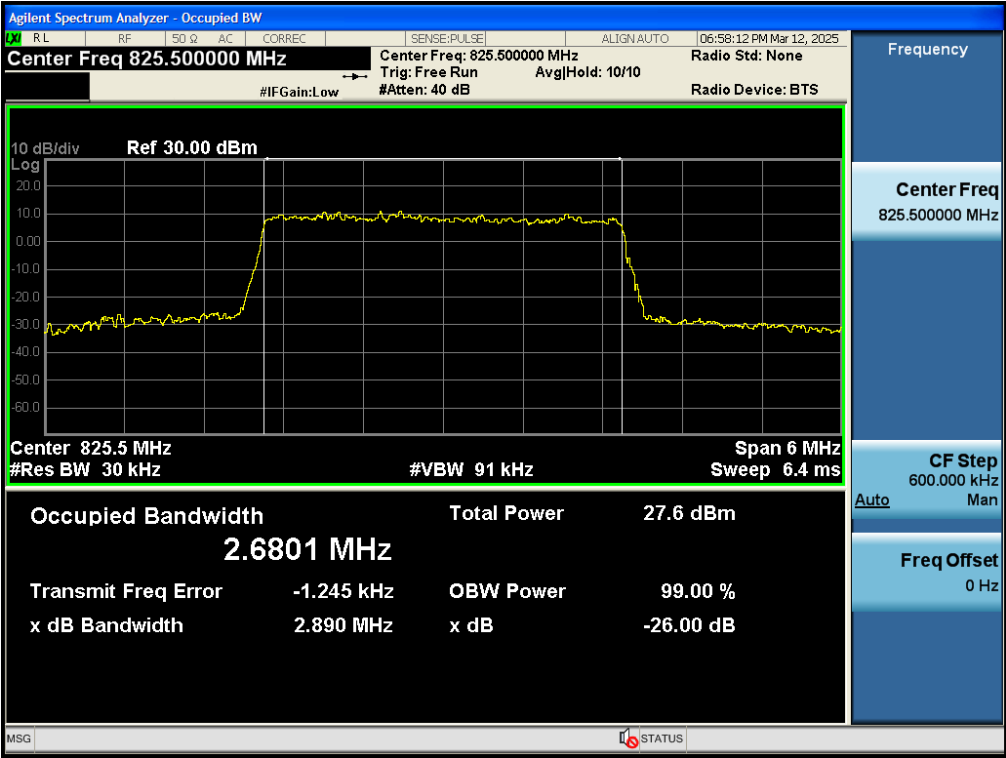
Test_Graph_band5_836.5MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



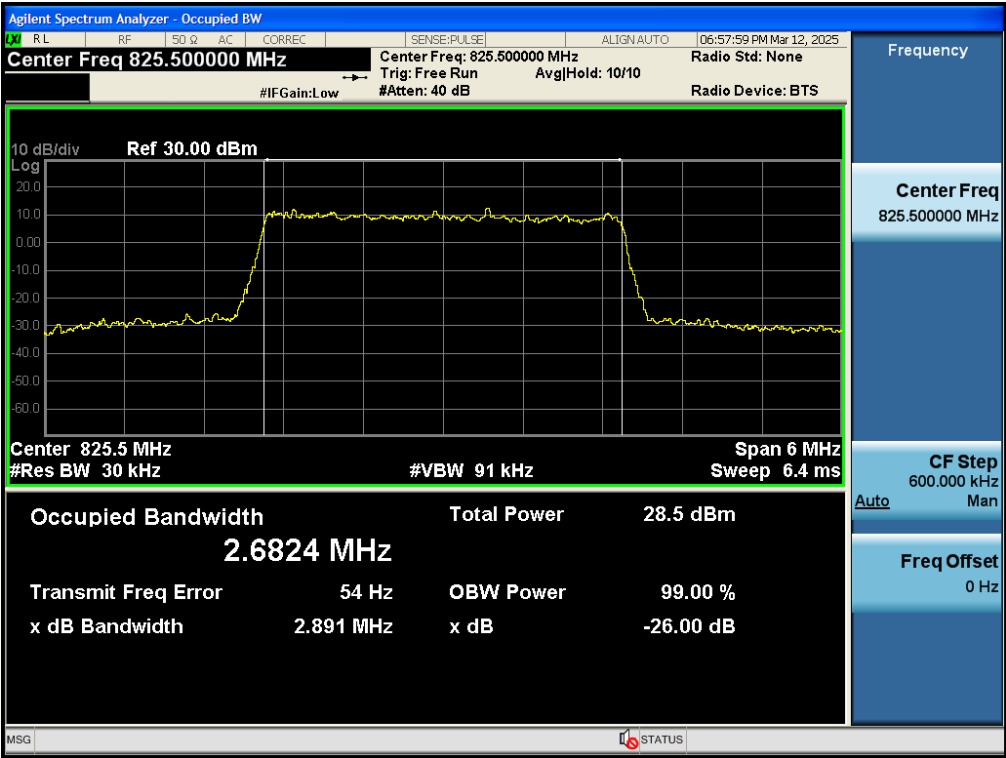
Test_Graph_band5_848.3MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



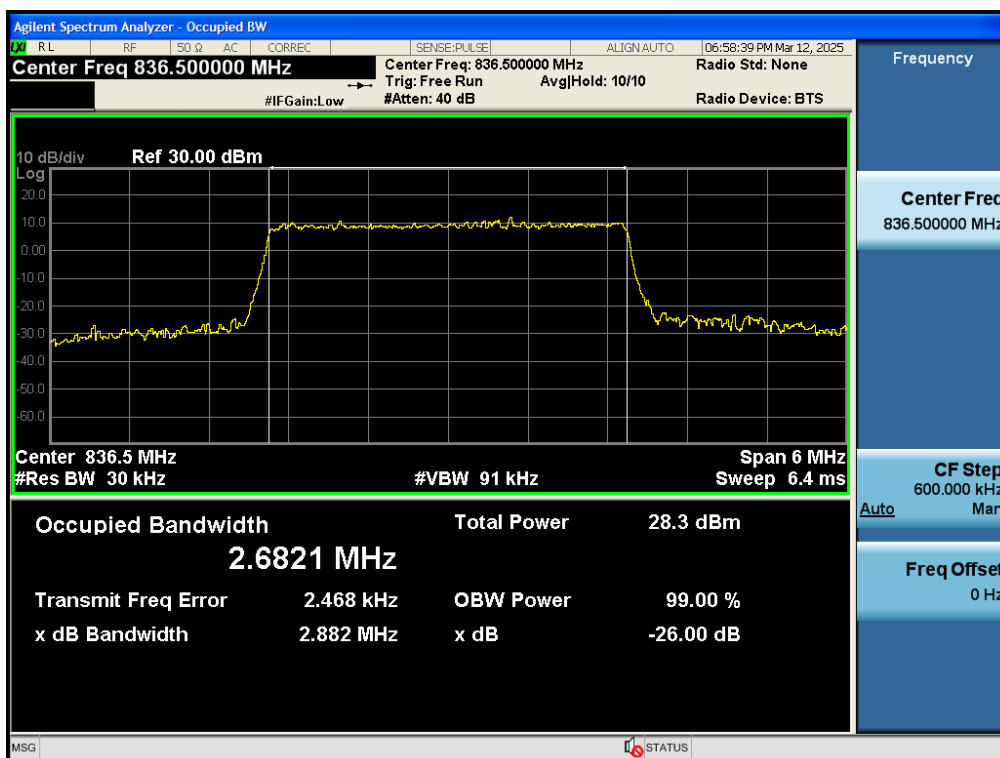
Test_Graph_band5_848.3MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



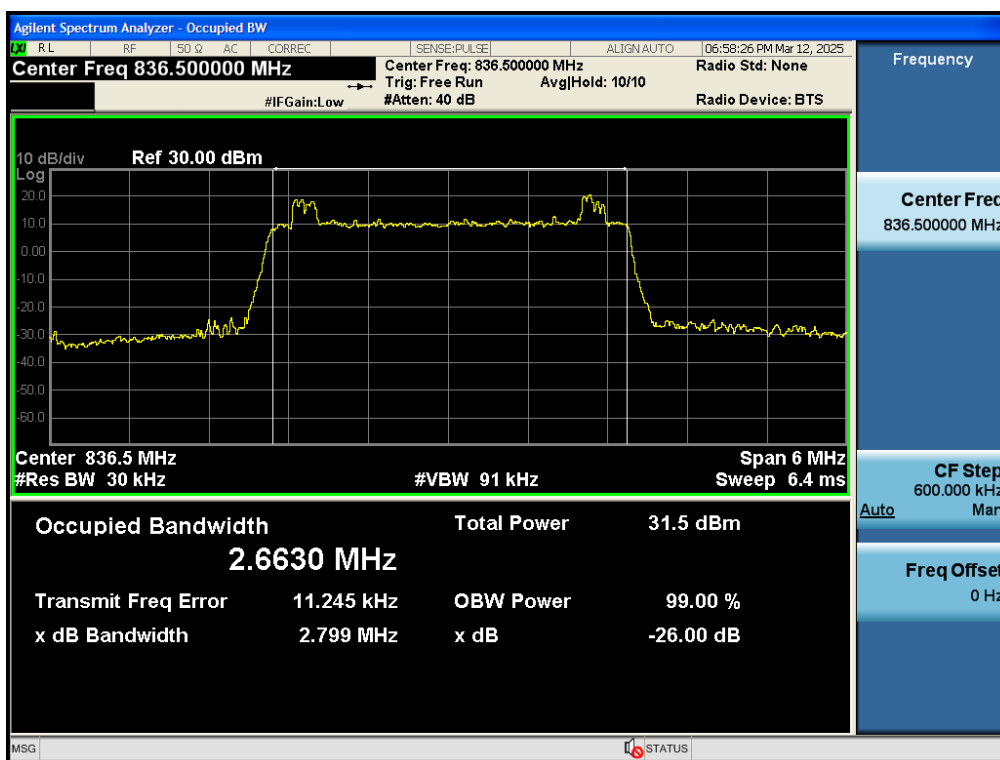
Test_Graph_band5_825.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



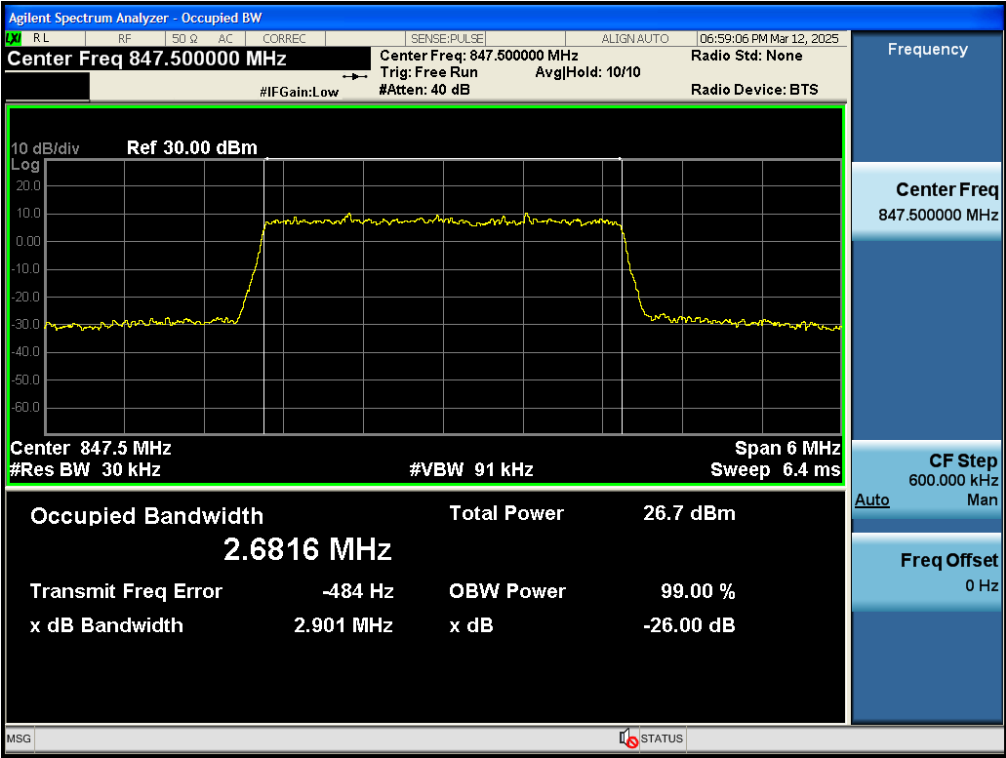
Test_Graph_band5_825.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



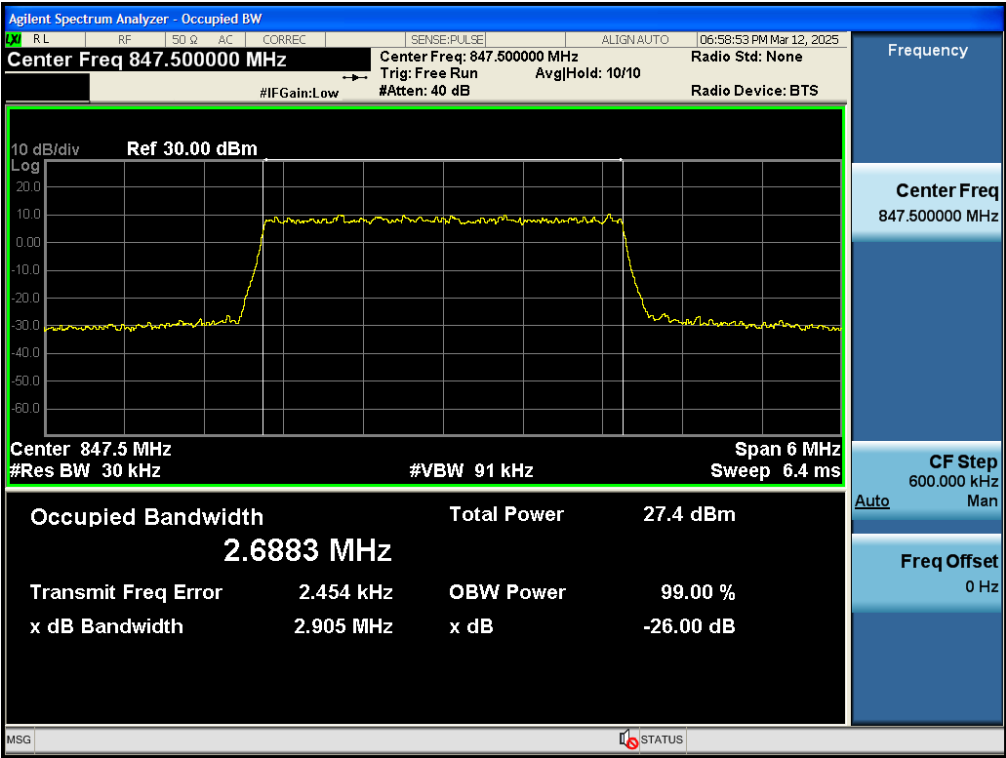
Test_Graph_band5_836.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



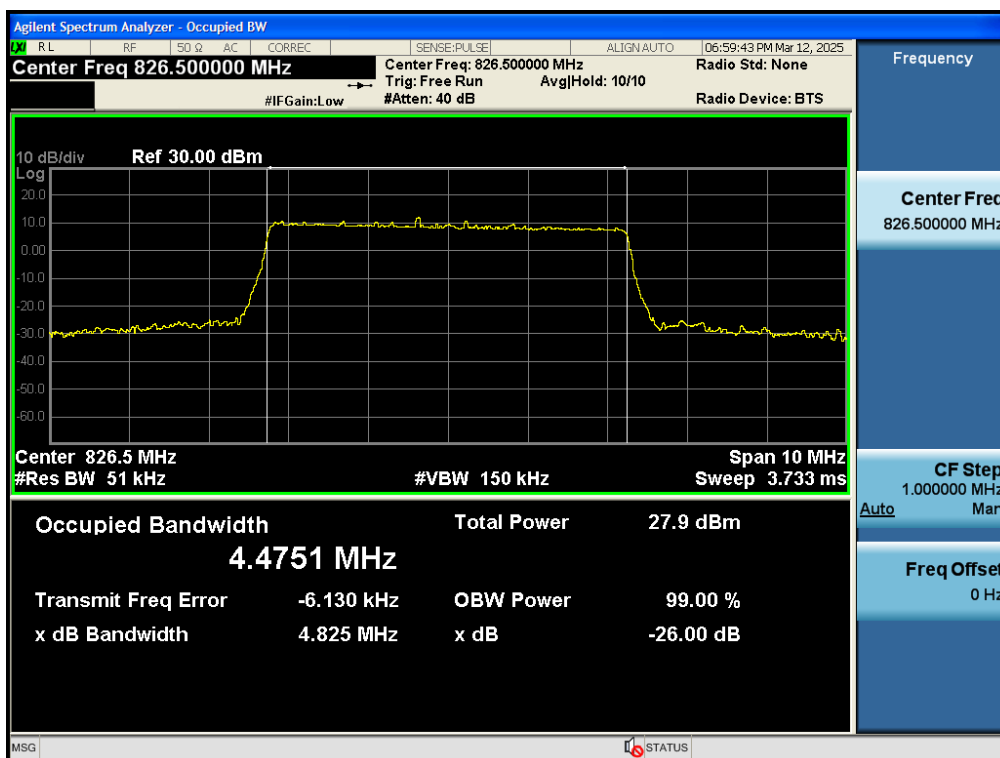
Test_Graph_band5_836.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



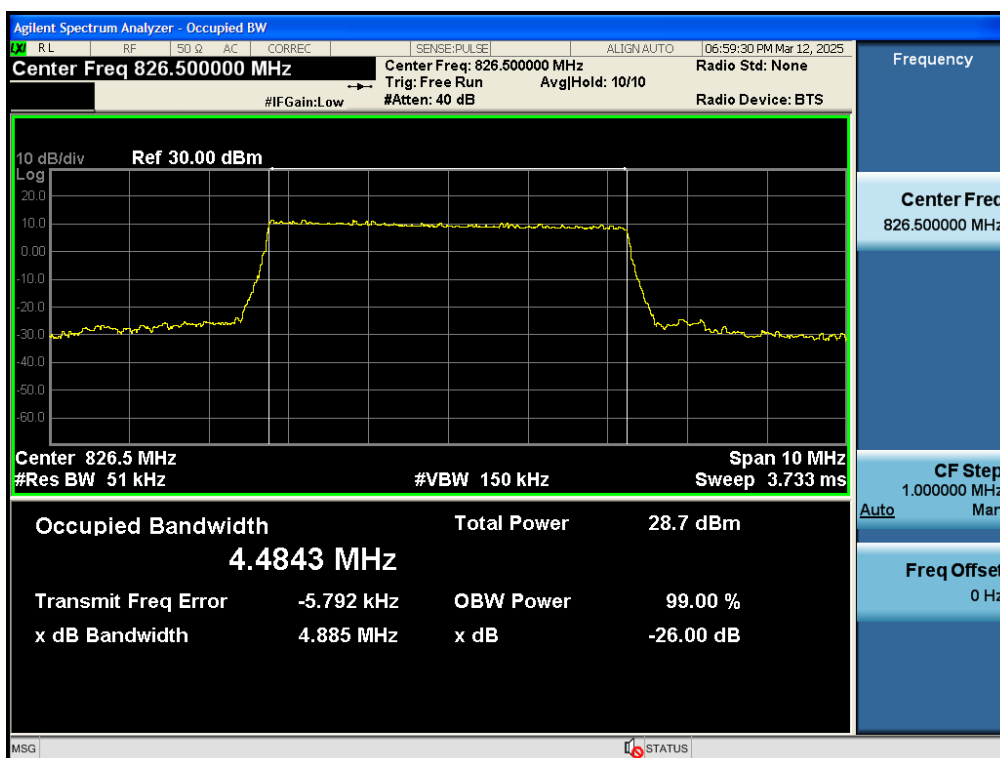
Test_Graph_band5_847.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



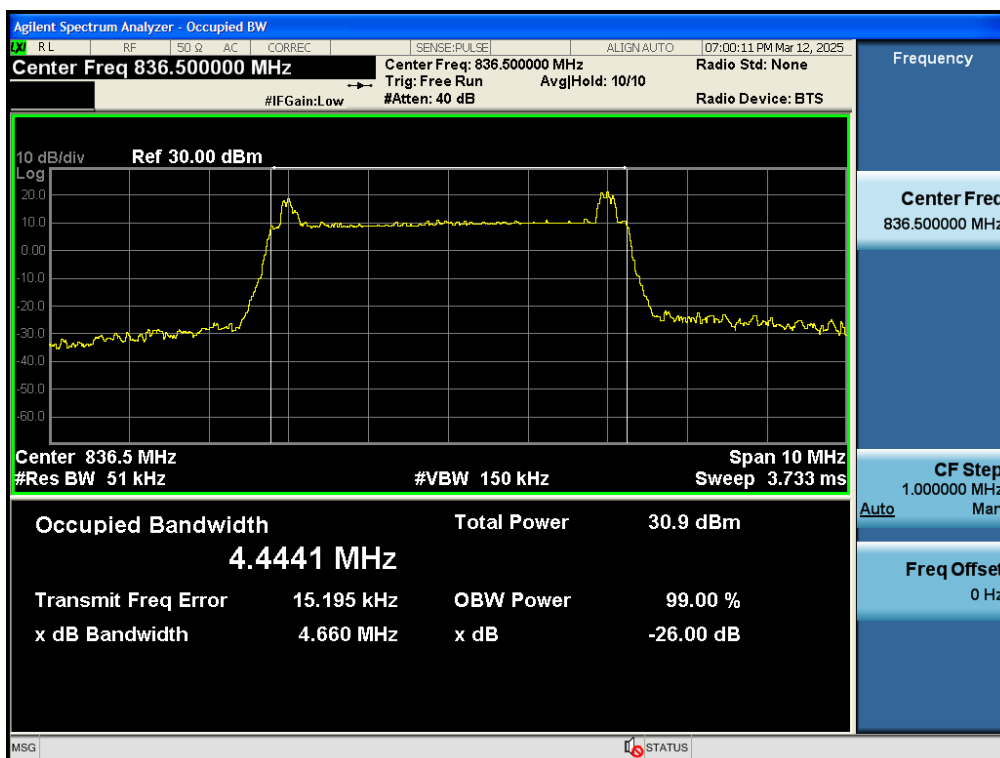
Test_Graph_band5_847.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



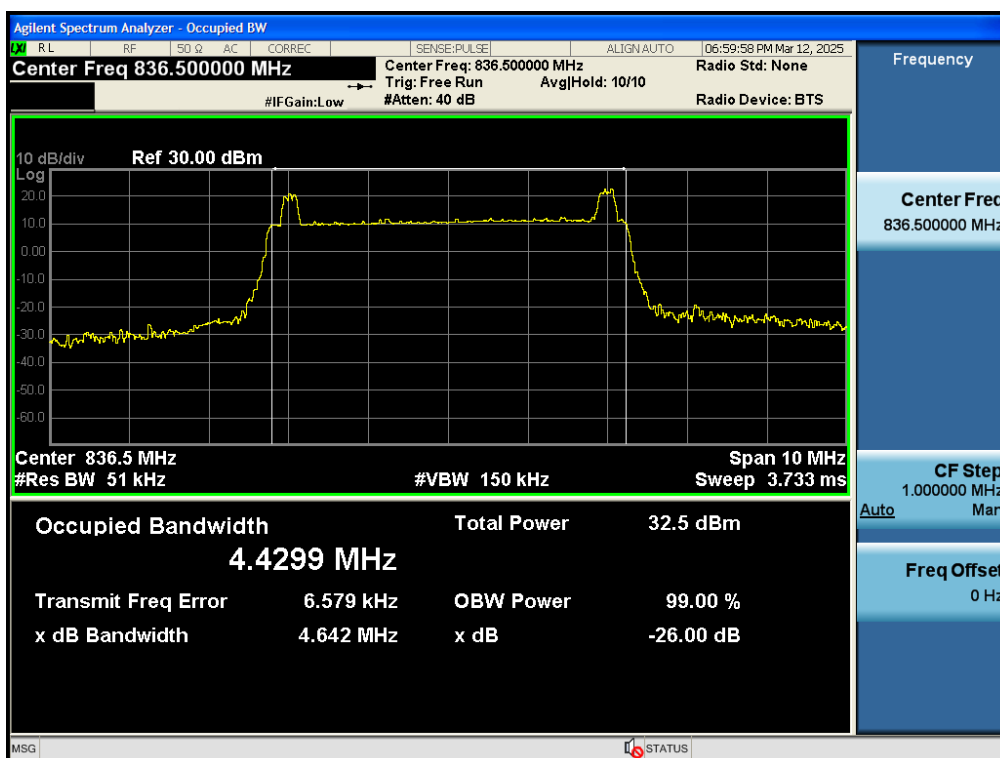
Test_Graph_band5_826.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



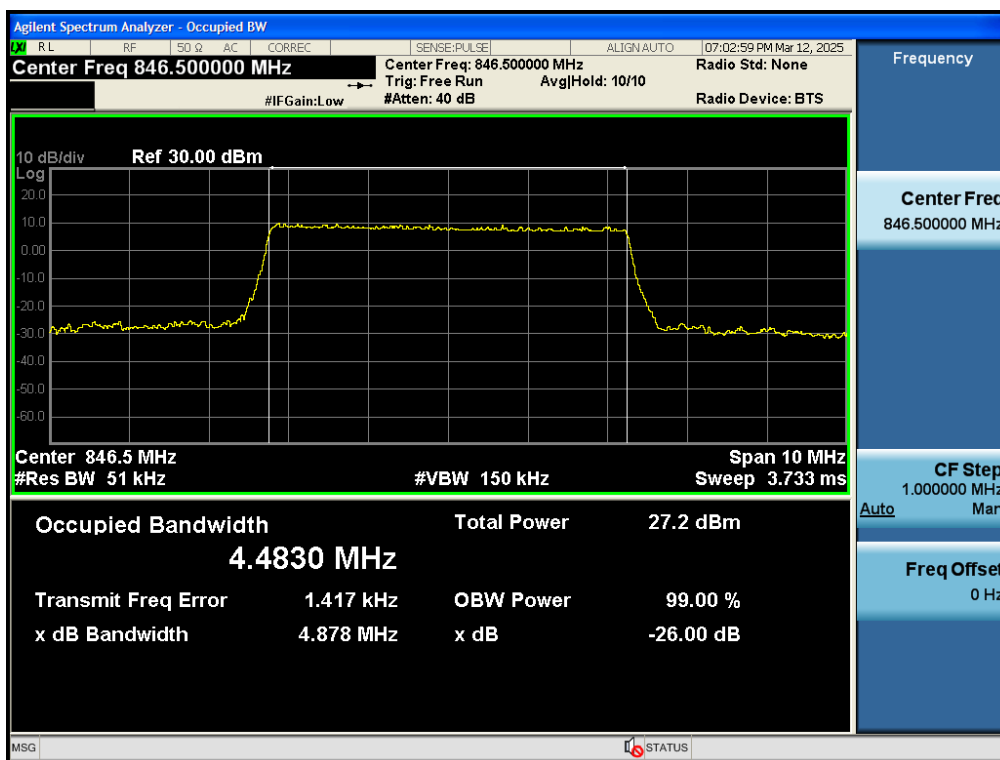
Test_Graph_band5_826.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



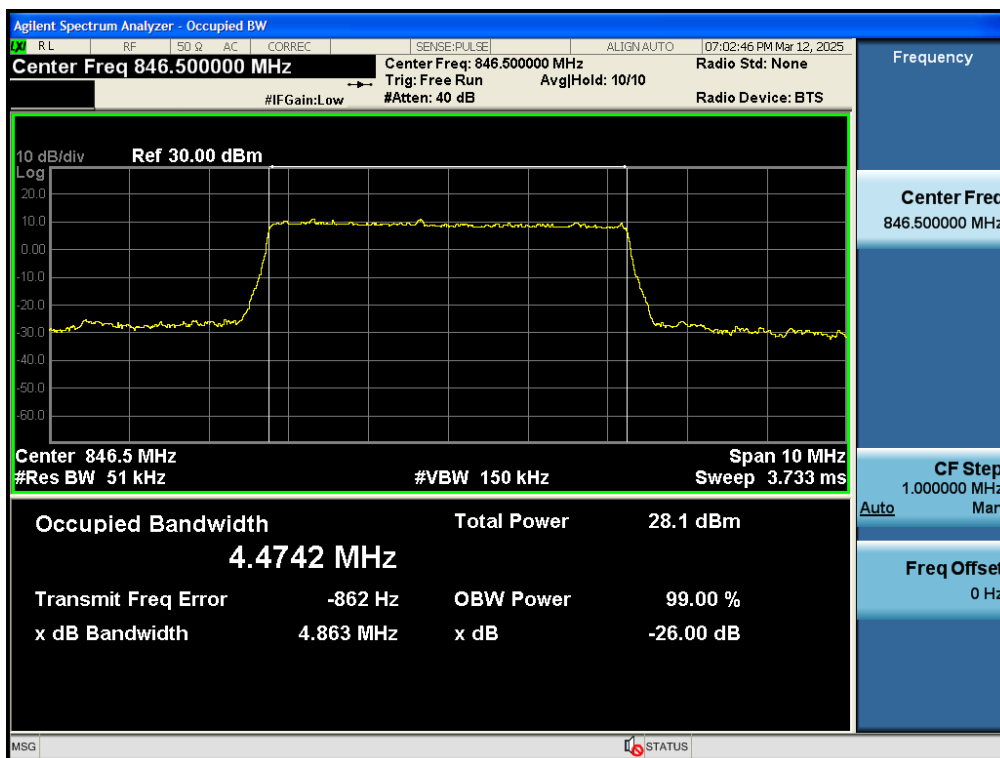
Test_Graph_band5_836.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



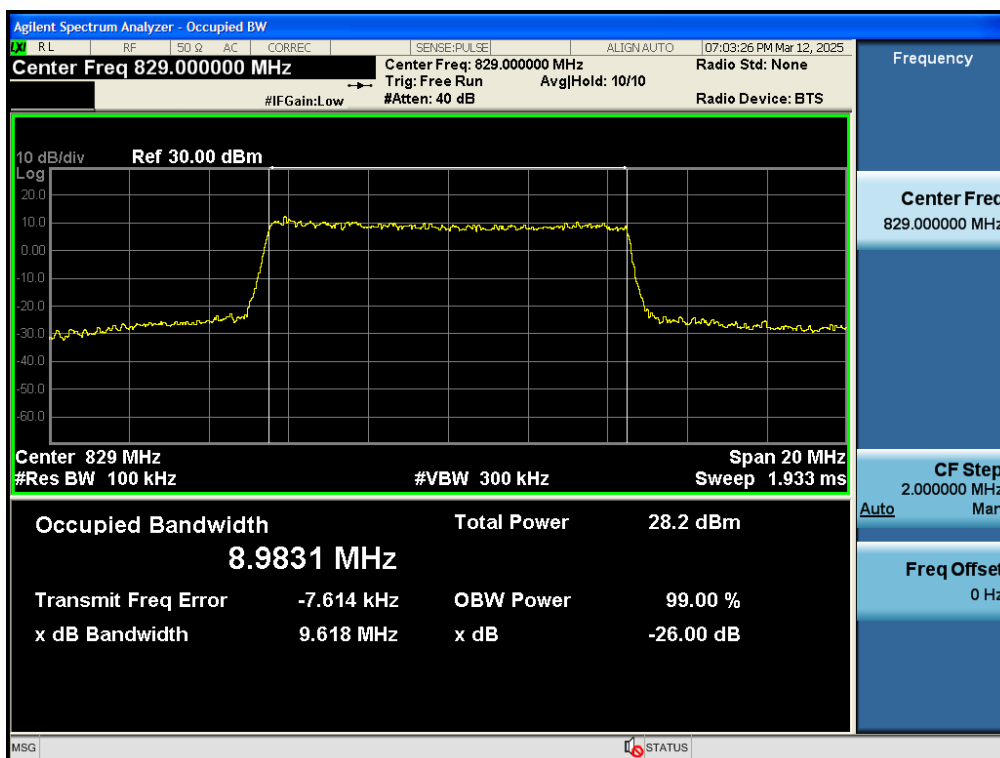
Test_Graph_band5_836.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



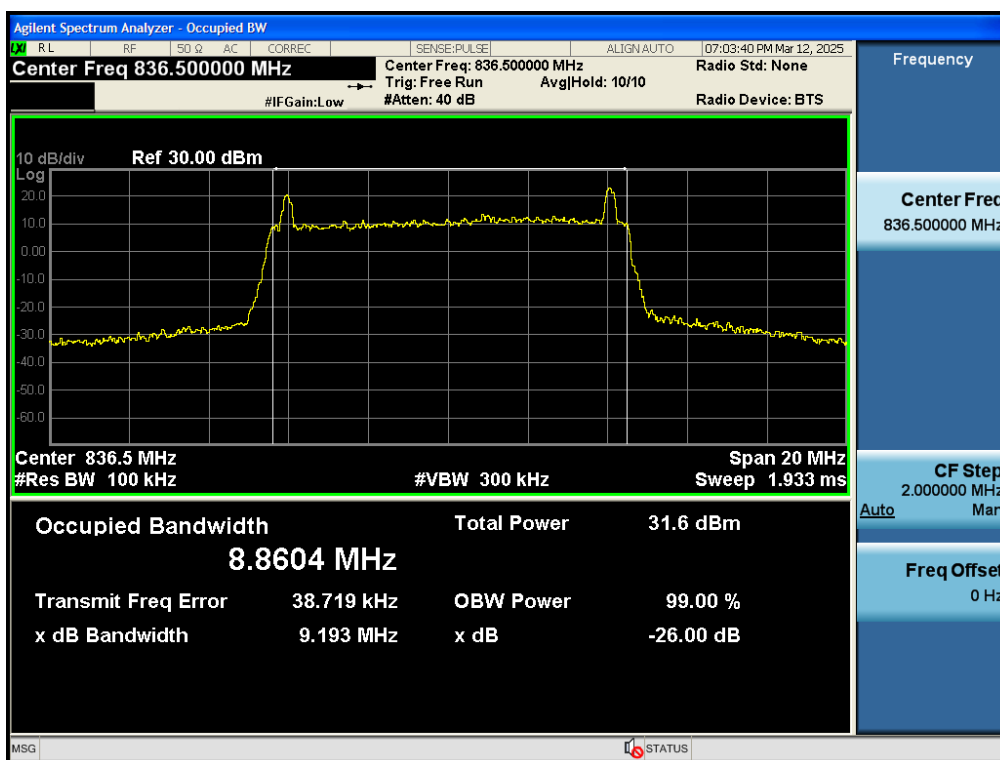
Test_Graph_band5_846.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



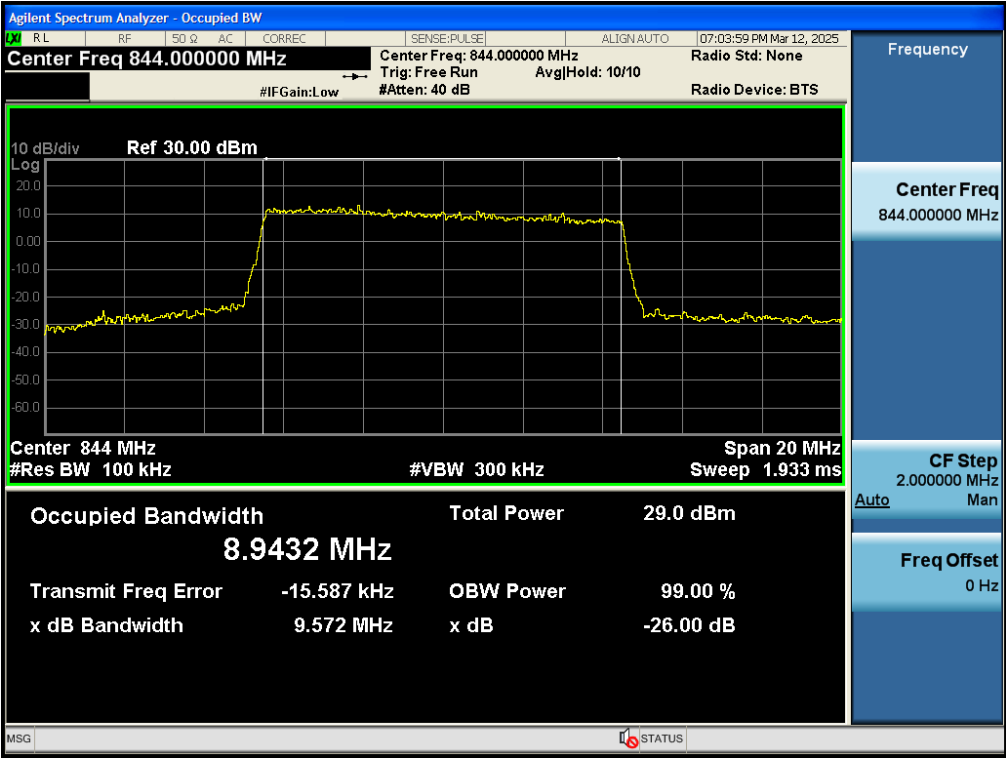
Test_Graph_band5_846.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



Test_Graph_band5_829MHz_10M_QPSK_50RB#LOW_OBW&EBW



Test_Graph_band5_836.5MHz_10M_QPSK_50RB#LOW_OBW&EBW



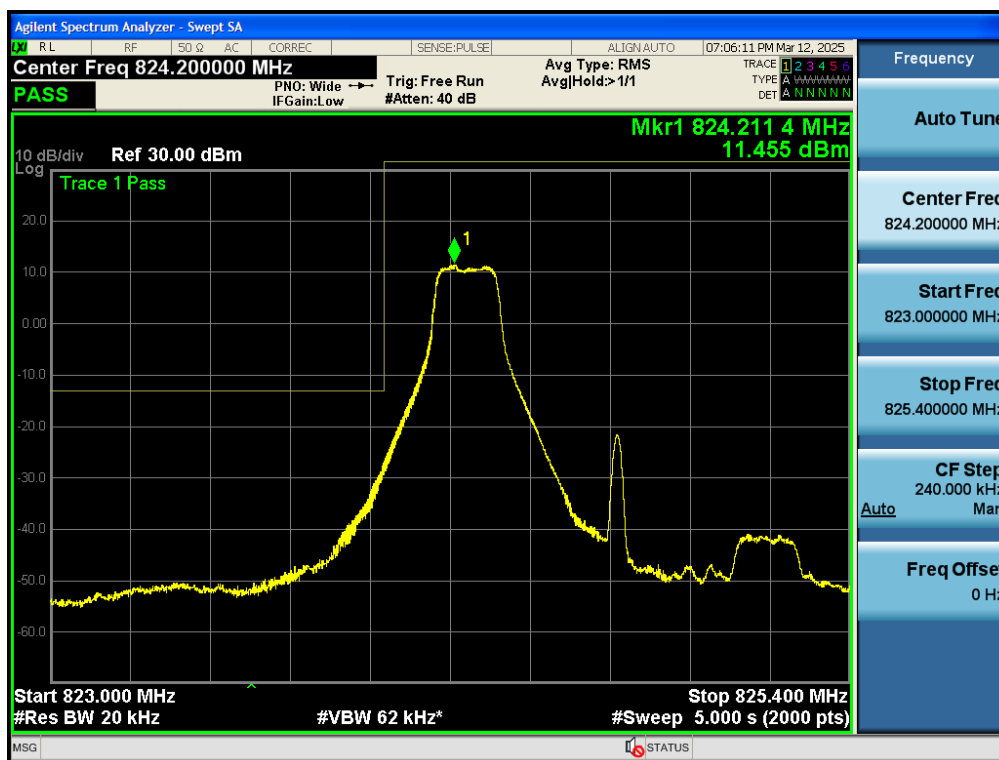
Test_Graph_band5_844MHz_10M_QPSK_50RB#LOW_OBW&EBW

Appendix C: Band edge emissions

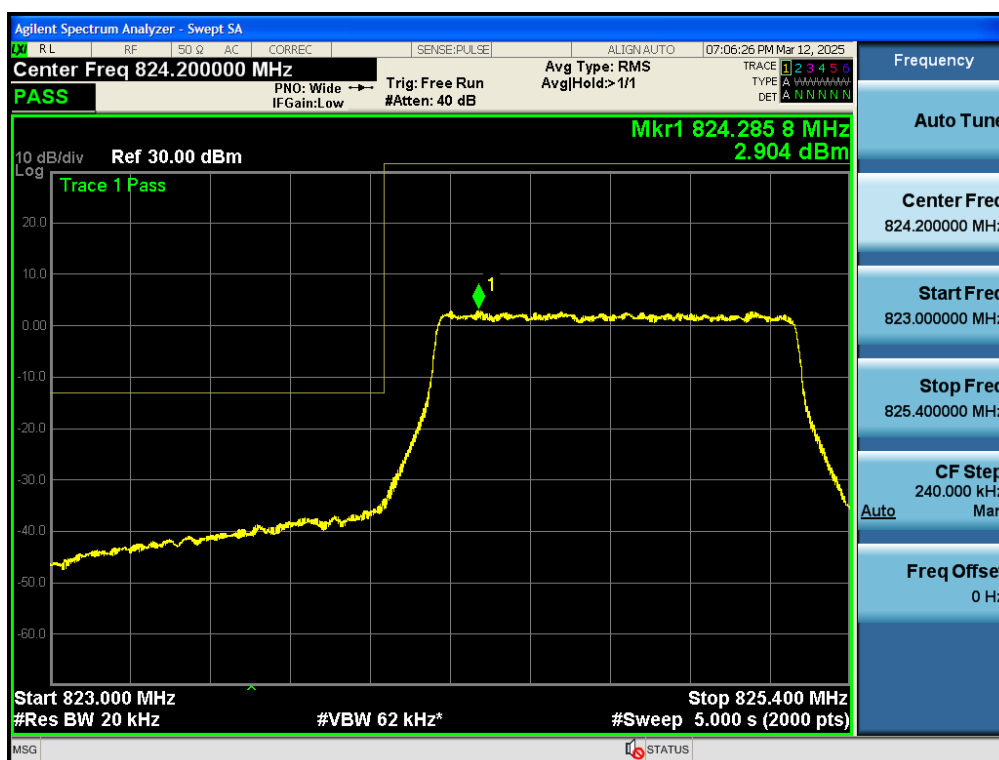
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
5	1.4	824.7	QPSK	1	LOW	Pass
5	1.4	824.7	QPSK	6	LOW	Pass
5	1.4	824.7	16QAM	1	LOW	Pass
5	1.4	824.7	16QAM	6	LOW	Pass
5	1.4	848.3	QPSK	1	HIGH	Pass
5	1.4	848.3	QPSK	6	LOW	Pass
5	1.4	848.3	16QAM	1	HIGH	Pass
5	1.4	848.3	16QAM	6	LOW	Pass
5	3	825.5	QPSK	1	LOW	Pass
5	3	825.5	QPSK	15	LOW	Pass
5	3	825.5	16QAM	1	LOW	Pass
5	3	825.5	16QAM	15	LOW	Pass
5	3	847.5	QPSK	1	HIGH	Pass
5	3	847.5	QPSK	15	LOW	Pass
5	3	847.5	16QAM	1	HIGH	Pass
5	3	847.5	16QAM	15	LOW	Pass
5	5	826.5	QPSK	1	LOW	Pass
5	5	826.5	QPSK	25	LOW	Pass
5	5	826.5	16QAM	1	LOW	Pass
5	5	826.5	16QAM	25	LOW	Pass
5	5	846.5	QPSK	1	HIGH	Pass
5	5	846.5	QPSK	25	LOW	Pass
5	5	846.5	16QAM	1	HIGH	Pass
5	5	846.5	16QAM	25	LOW	Pass
5	10	829	QPSK	1	LOW	Pass
5	10	829	QPSK	50	LOW	Pass
5	10	829	16QAM	1	LOW	Pass
5	10	844	QPSK	1	HIGH	Pass
5	10	844	QPSK	50	LOW	Pass
5	10	844	16QAM	1	HIGH	Pass

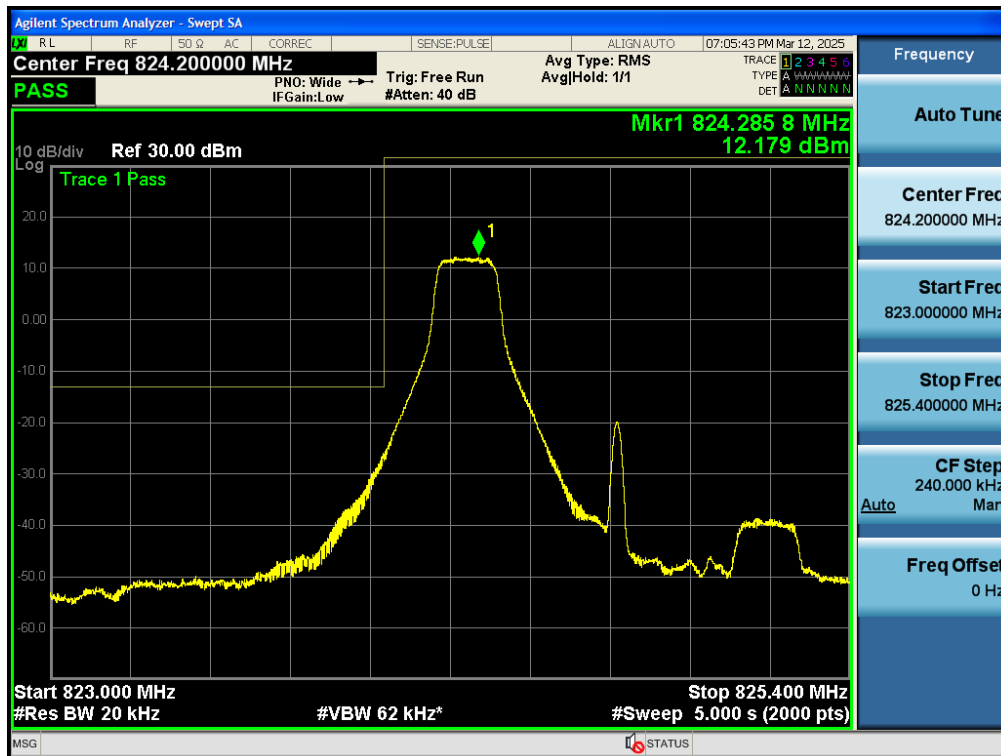
Test Graphs



Test_Graph_band5_824.7MHz_1.4M_16QAM_1RB#LOW_Band edge



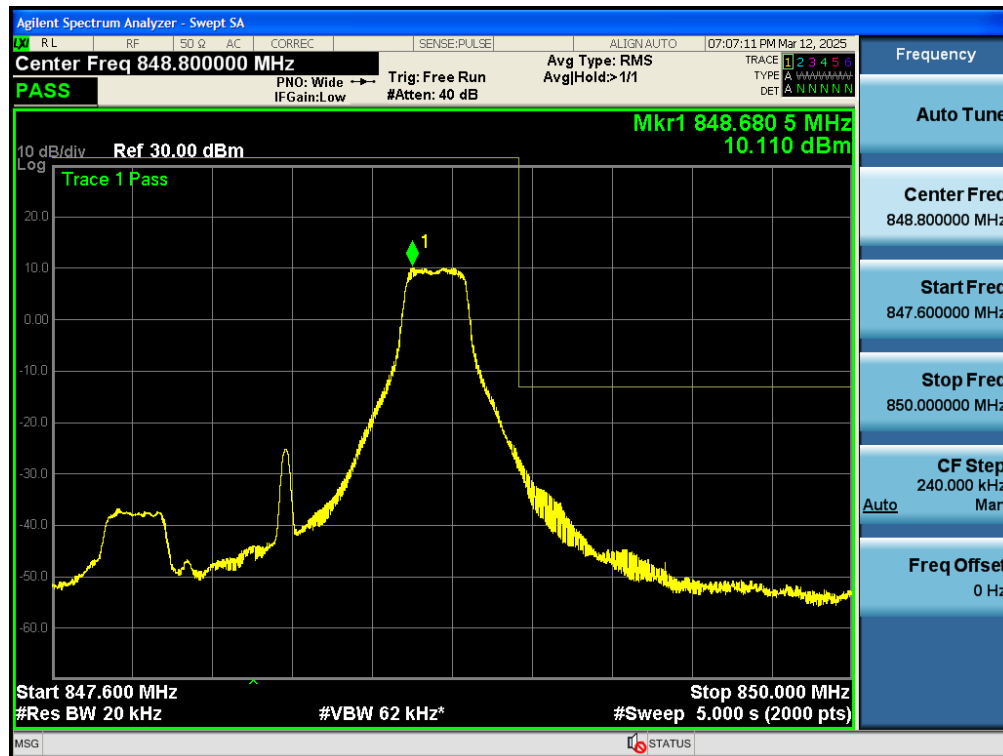
Test_Graph_band5_824.7MHz_1.4M_16QAM_6RB#LOW_Band edge



Test_Graph_band5_824.7MHz_1.4M_QPSK_1RB#LOW_Band edge



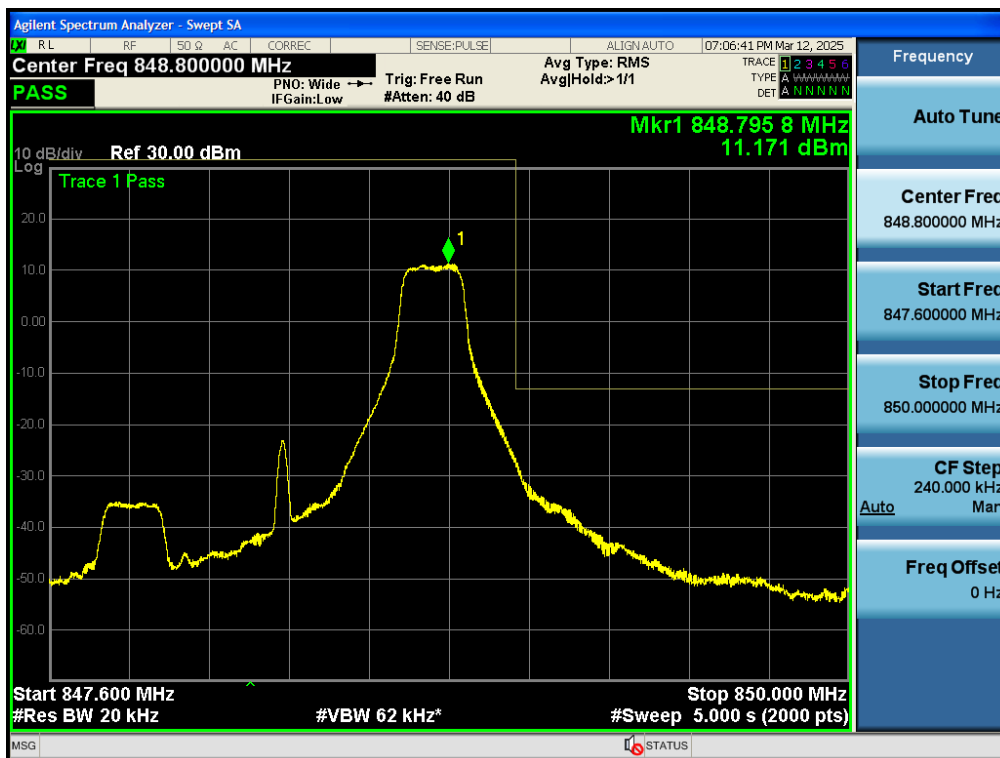
Test_Graph_band5_824.7MHz_1.4M_QPSK_6RB#LOW_Band edge



Test_Graph_band5_848.3MHz_1.4M_16QAM_1RB#HIGH_Band edge



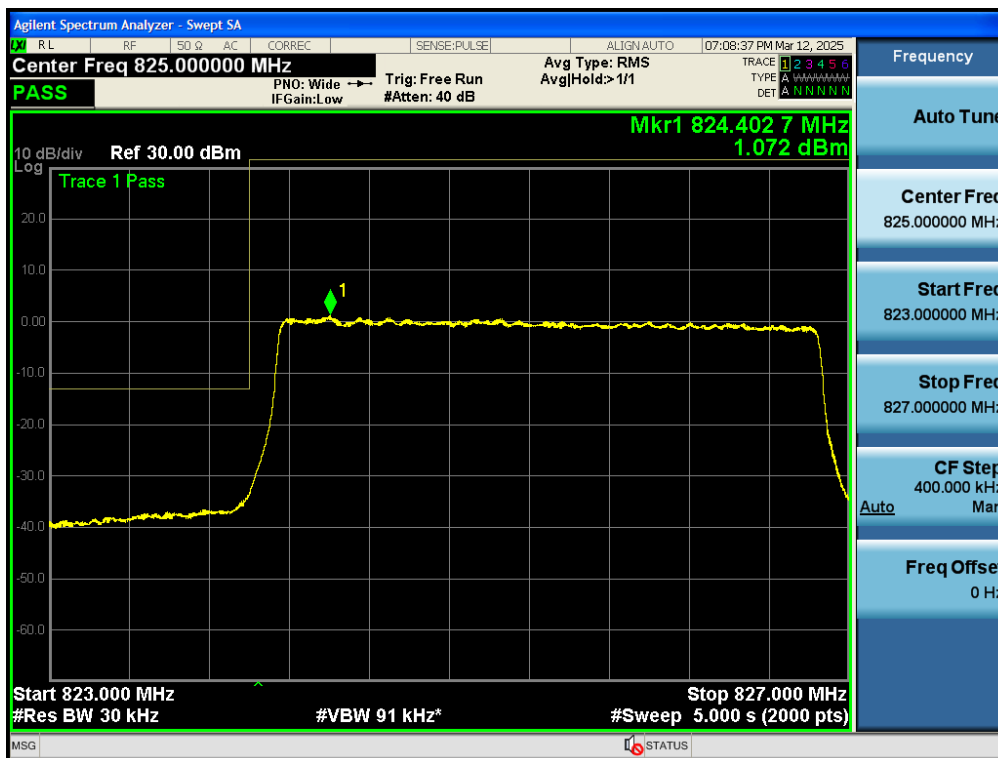
Test_Graph_band5_848.3MHz_1.4M_16QAM_6RB#LOW_Band edge



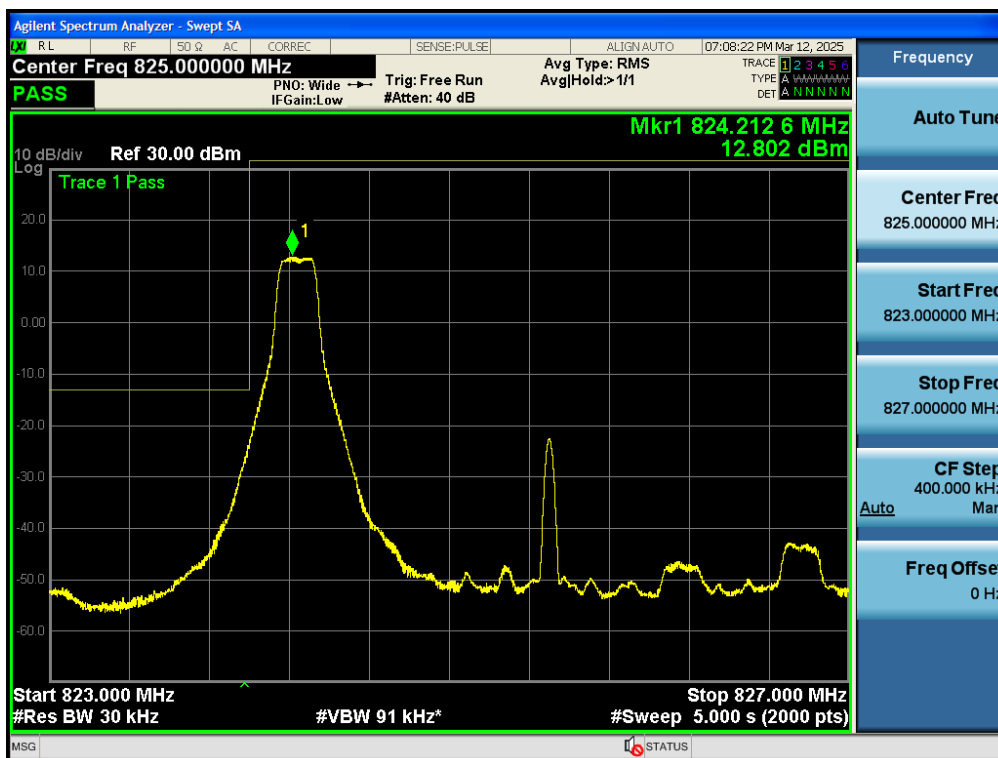
Test_Graph_band5_848.3MHz_1.4M_QPSK_1RB#HIGH_Band edge



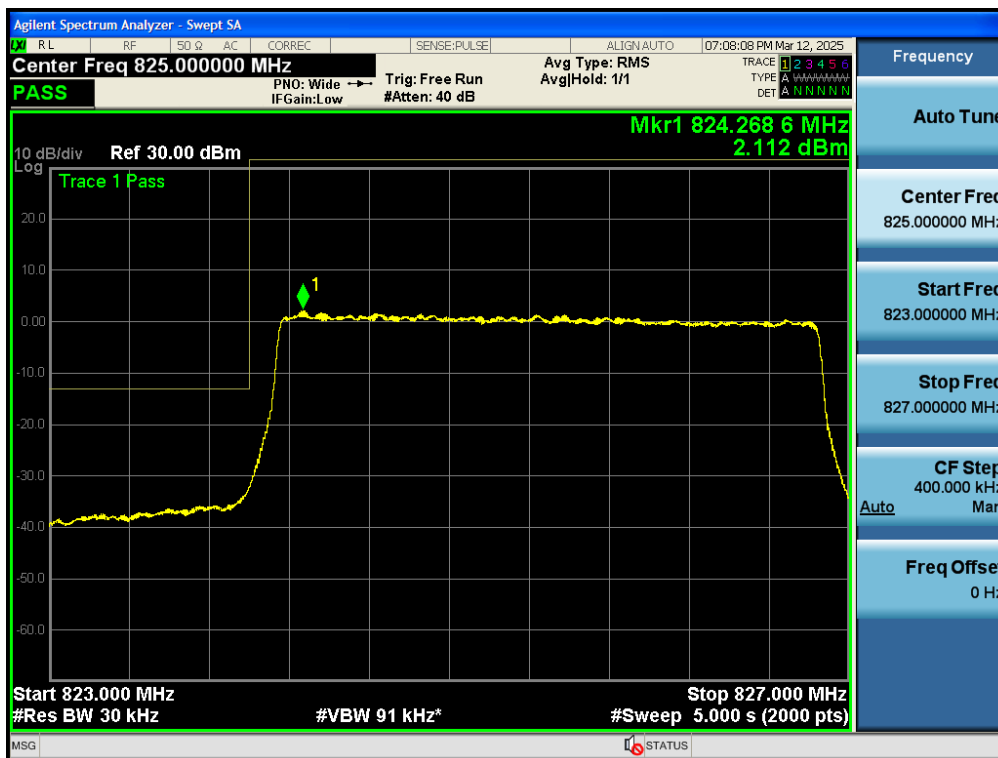
Test_Graph_band5_848.3MHz_1.4M_QPSK_6RB#LOW_Band edge



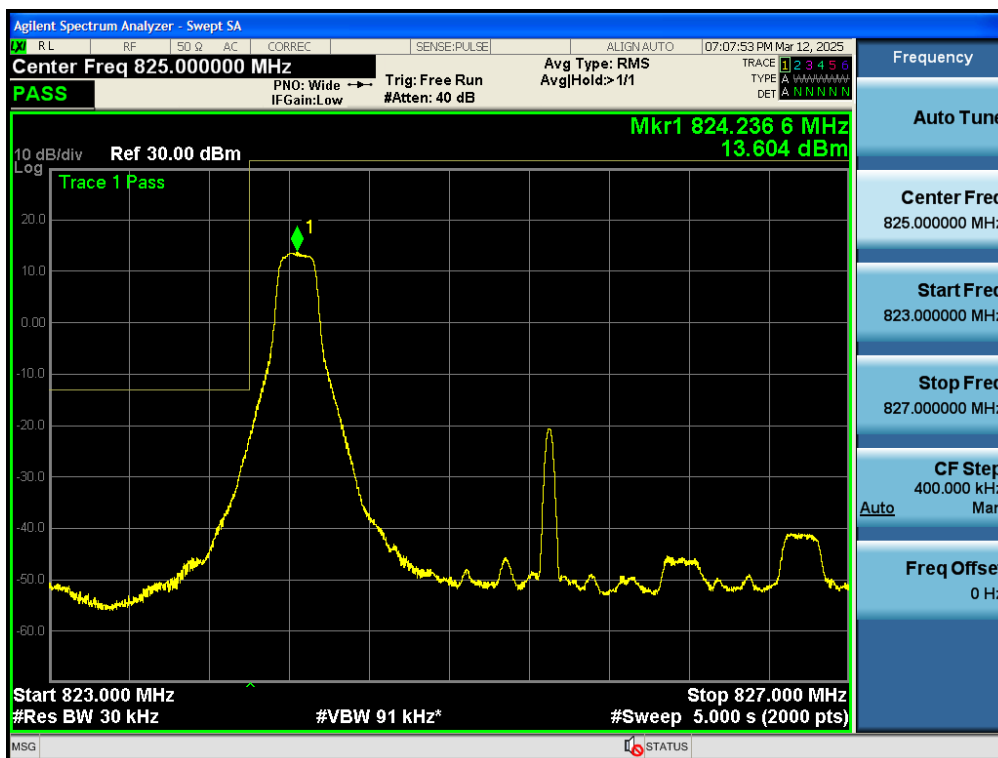
Test_Graph_band5_825.5MHz_3M_16QAM_15RB#LOW_Band edge



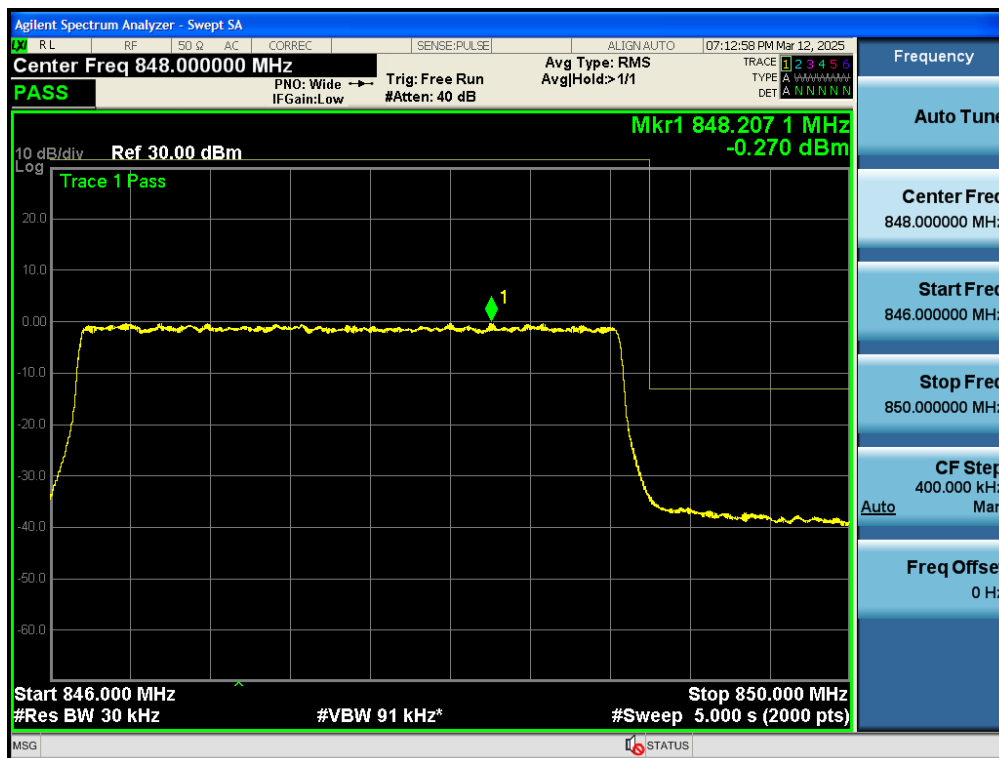
Test_Graph_band5_825.5MHz_3M_16QAM_1RB#LOW_Band edge



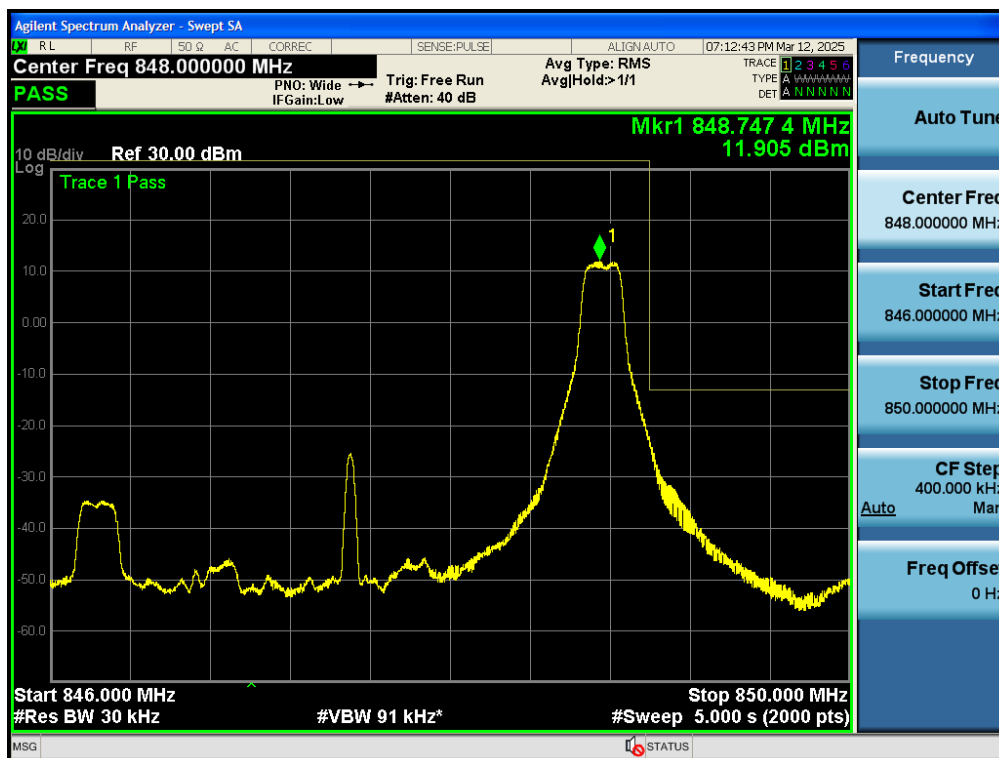
Test_Graph_band5_825.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band5_825.5MHz_3M_QPSK_1RB#LOW_Band edge



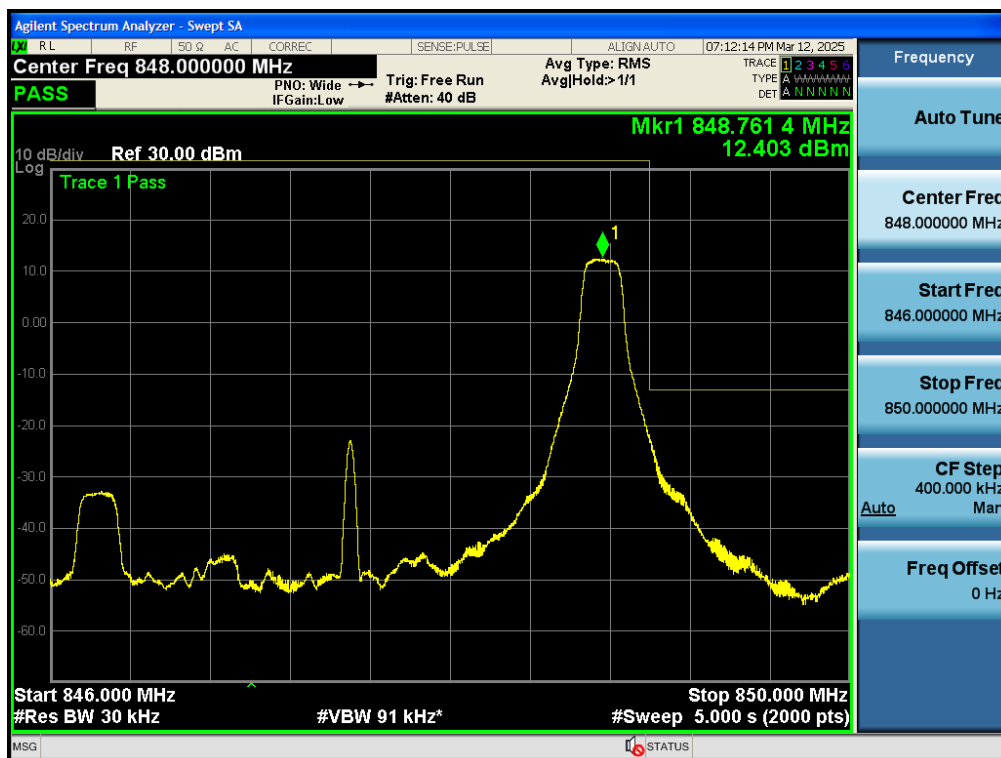
Test_Graph_band5_847.5MHz_3M_16QAM_15RB#LOW_Band edge



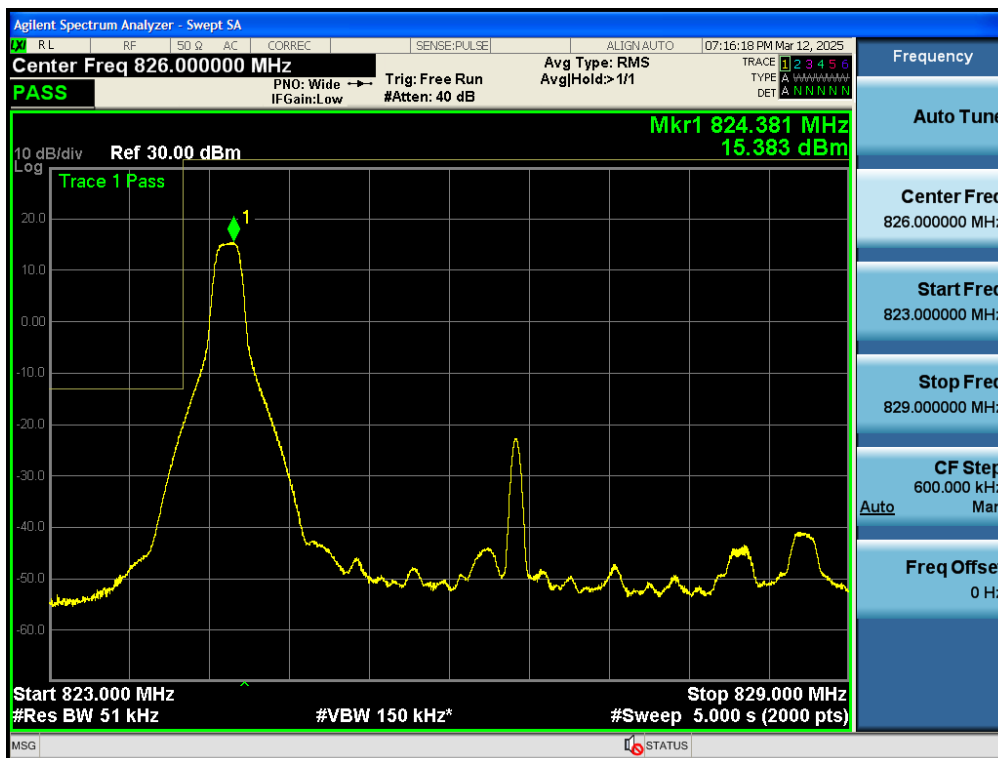
Test_Graph_band5_847.5MHz_3M_16QAM_1RB#HIGH_Band edge



Test_Graph_band5_847.5MHz_3M_QPSK_15RB#LOW_Band edge



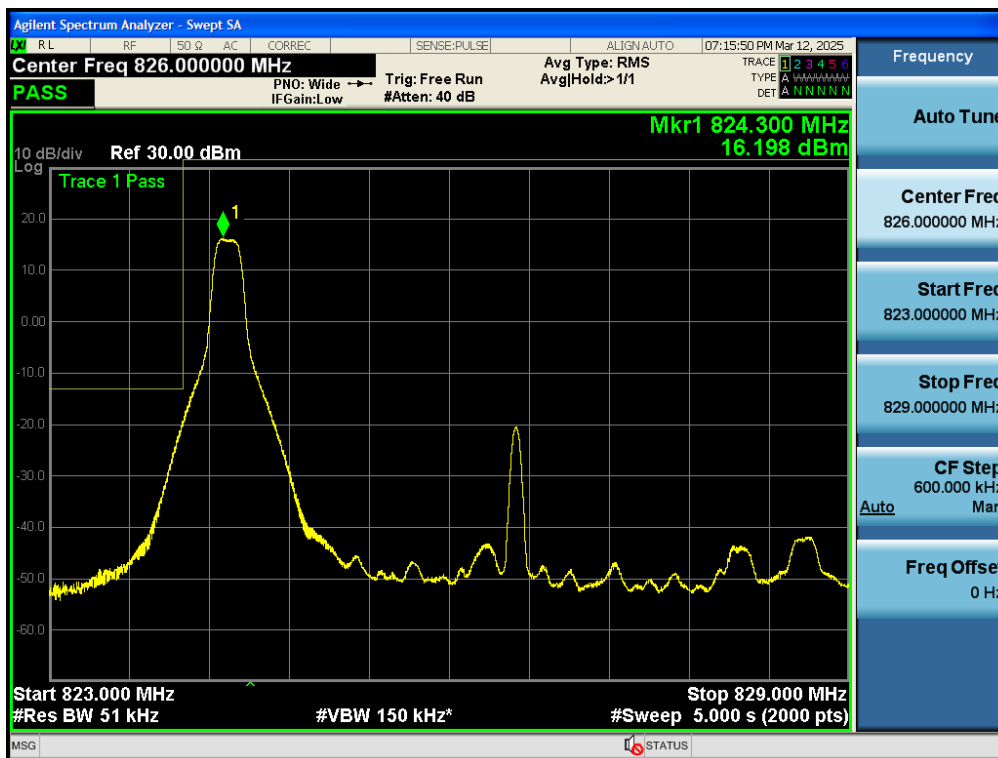
Test_Graph_band5_847.5MHz_3M_QPSK_1RB#HIGH_Band edge



Test_Graph_band5_826.5MHz_5M_16QAM_1RB#LOW_Band edge



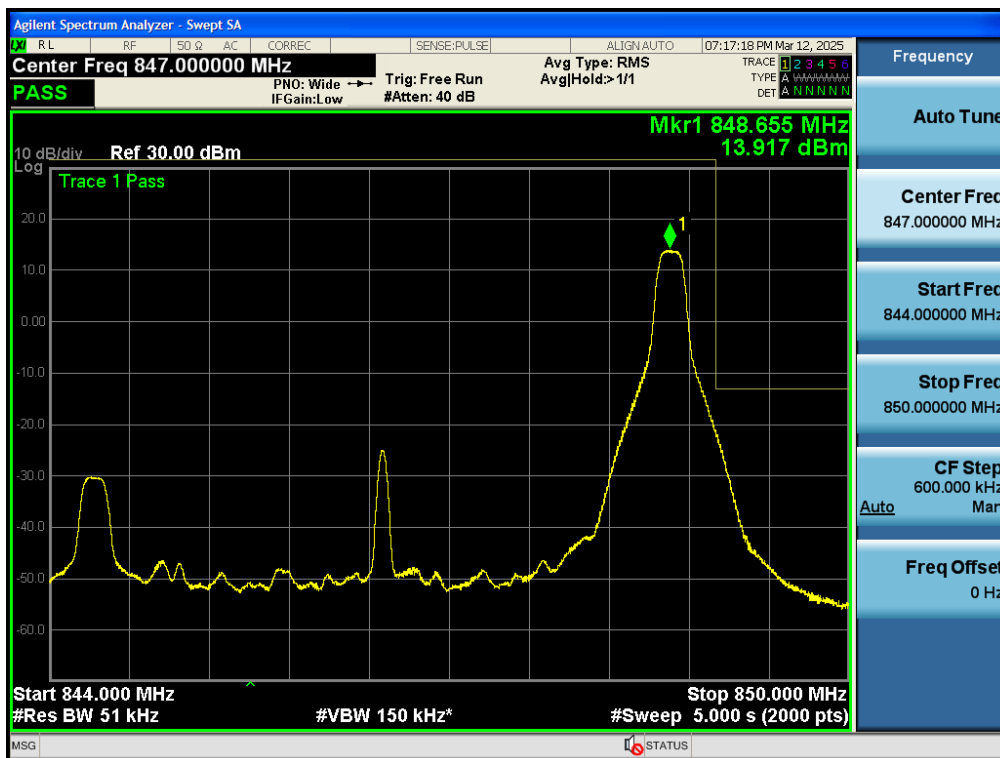
Test_Graph_band5_826.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band5_826.5MHz_5M_QPSK_1RB#LOW_Band edge



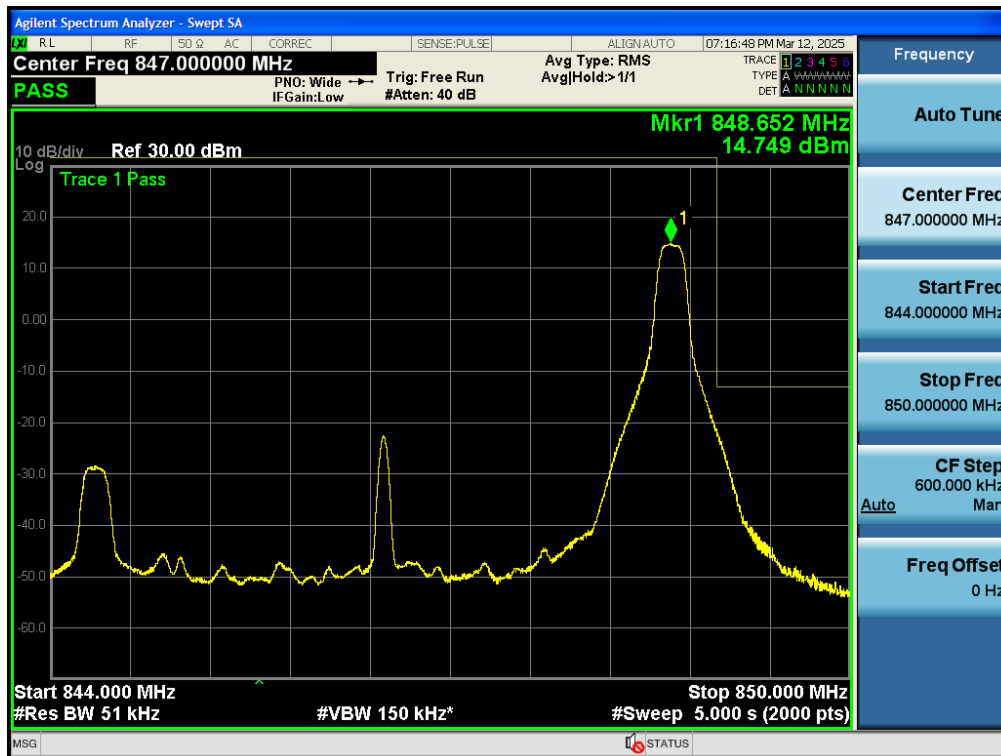
Test_Graph_band5_826.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band5_846.5MHz_5M_16QAM_1RB#HIGH_Band edge



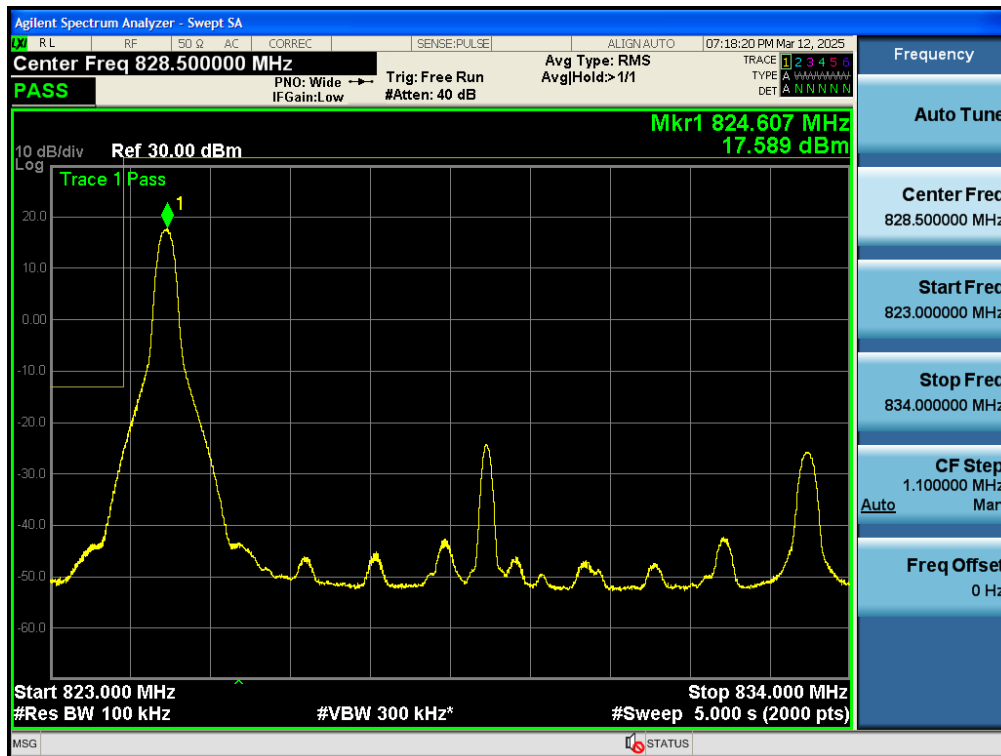
Test_Graph_band5_846.5MHz_5M_16QAM_25RB#LOW_Band edge



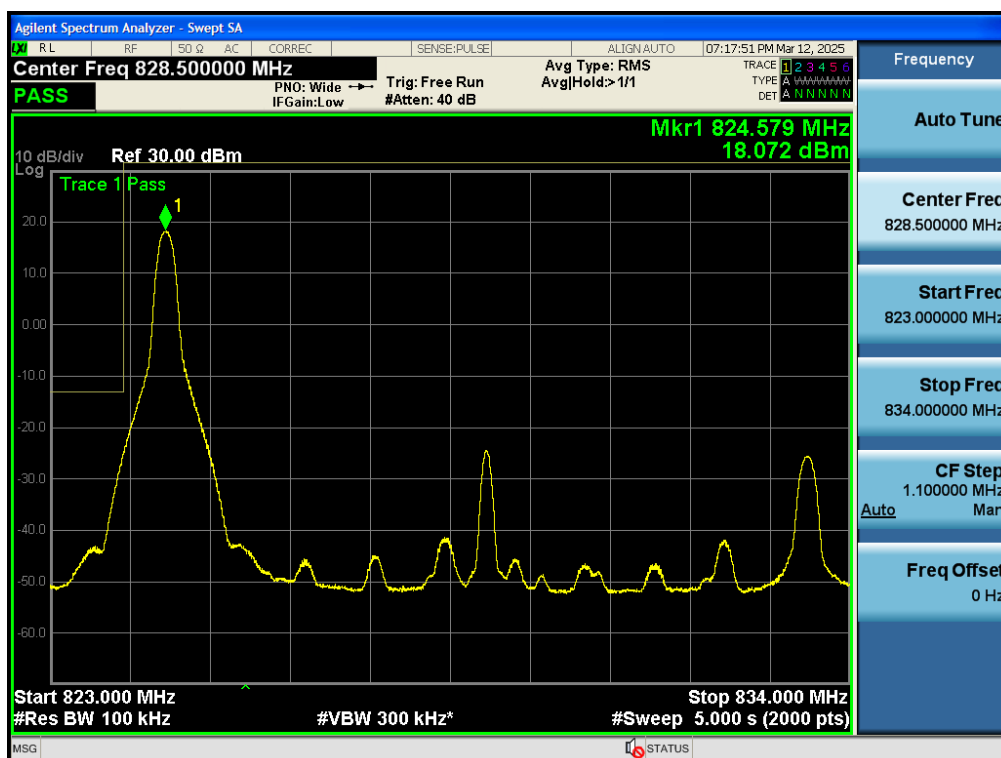
Test_Graph_band5_846.5MHz_5M_QPSK_1RB#HIGH_Band edge



Test_Graph_band5_846.5MHz_5M_QPSK_25RB#LOW_Band edge



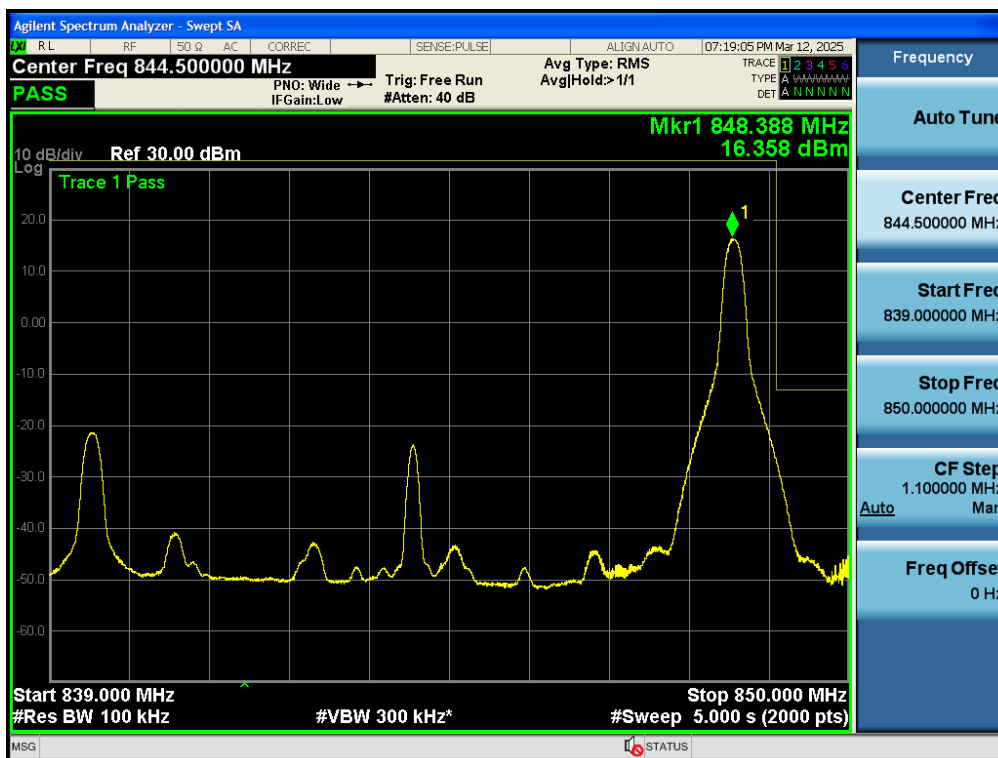
Test_Graph_band5_829MHz_10M_16QAM_1RB#LOW_Band edge



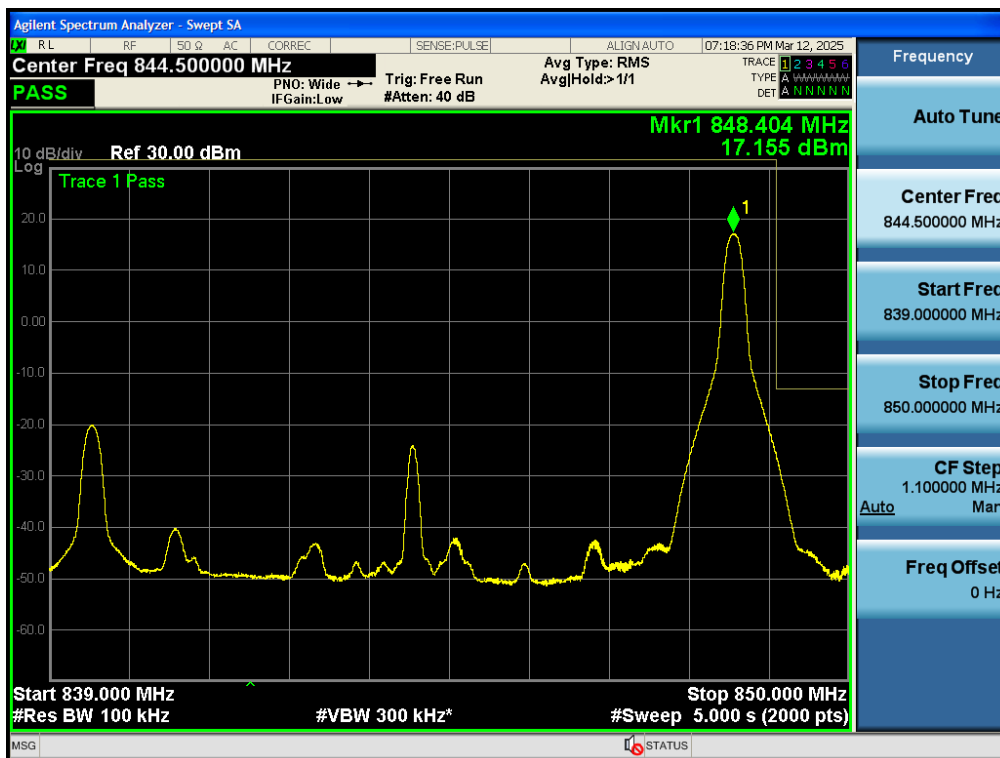
Test_Graph_band5_829MHz_10M_QPSK_1RB#LOW_Band edge



Test_Graph_band5_829MHz_10M_QPSK_50RB#LOW_Band edge



Test_Graph_band5_844MHz_10M_16QAM_1RB#HIGH_Band edge



Test_Graph_band5_844MHz_10M_QPSK_1RB#HIGH_Band edge



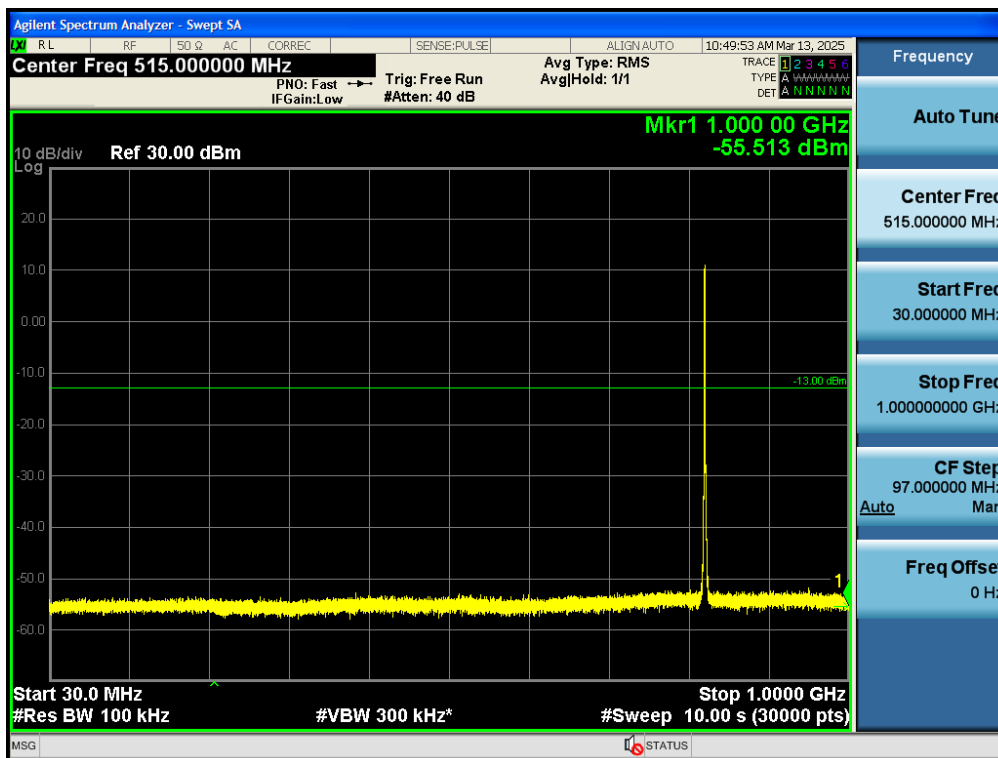
Test_Graph_band5_844MHz_10M_QPSK_50RB#LOW_Band edge

Appendix D: Unwanted spurious emissions at antenna terminals

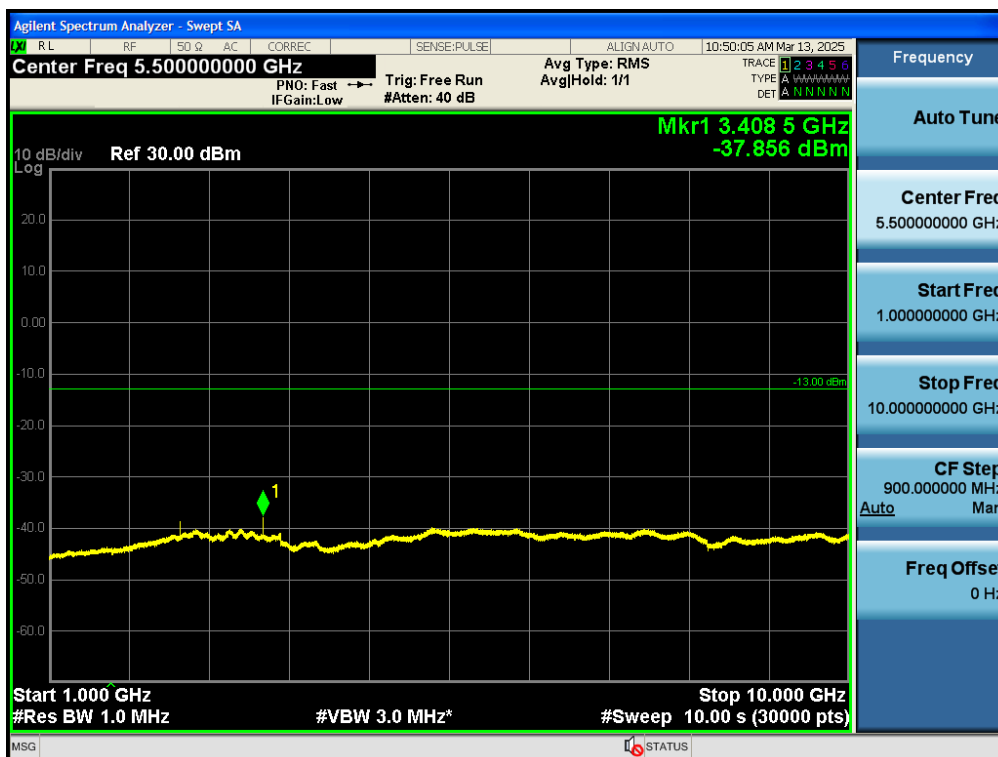
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
5	1.4	824.7	QPSK	6	LOW	Pass
5	1.4	836.5	QPSK	6	LOW	Pass
5	1.4	848.3	QPSK	6	LOW	Pass
5	3	825.5	QPSK	15	LOW	Pass
5	3	836.5	QPSK	15	LOW	Pass
5	3	847.5	QPSK	15	LOW	Pass
5	5	826.5	QPSK	25	LOW	Pass
5	5	836.5	QPSK	25	LOW	Pass
5	5	846.5	QPSK	25	LOW	Pass
5	10	829	QPSK	50	LOW	Pass
5	10	836.5	QPSK	50	LOW	Pass
5	10	844	QPSK	50	LOW	Pass

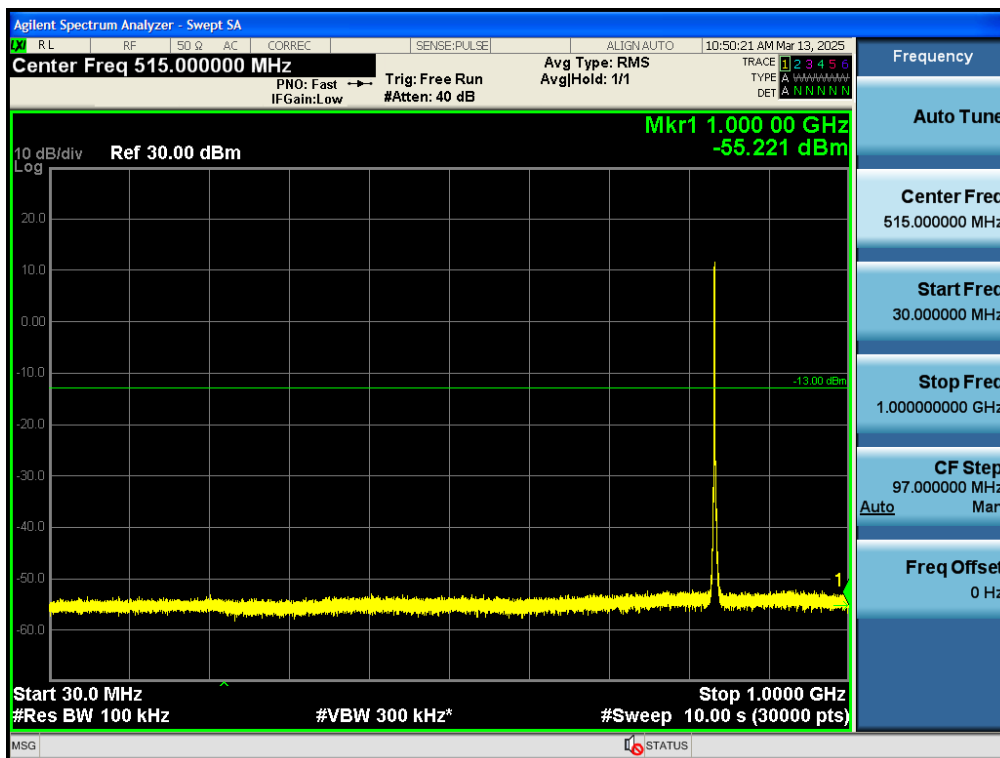
Test Graphs



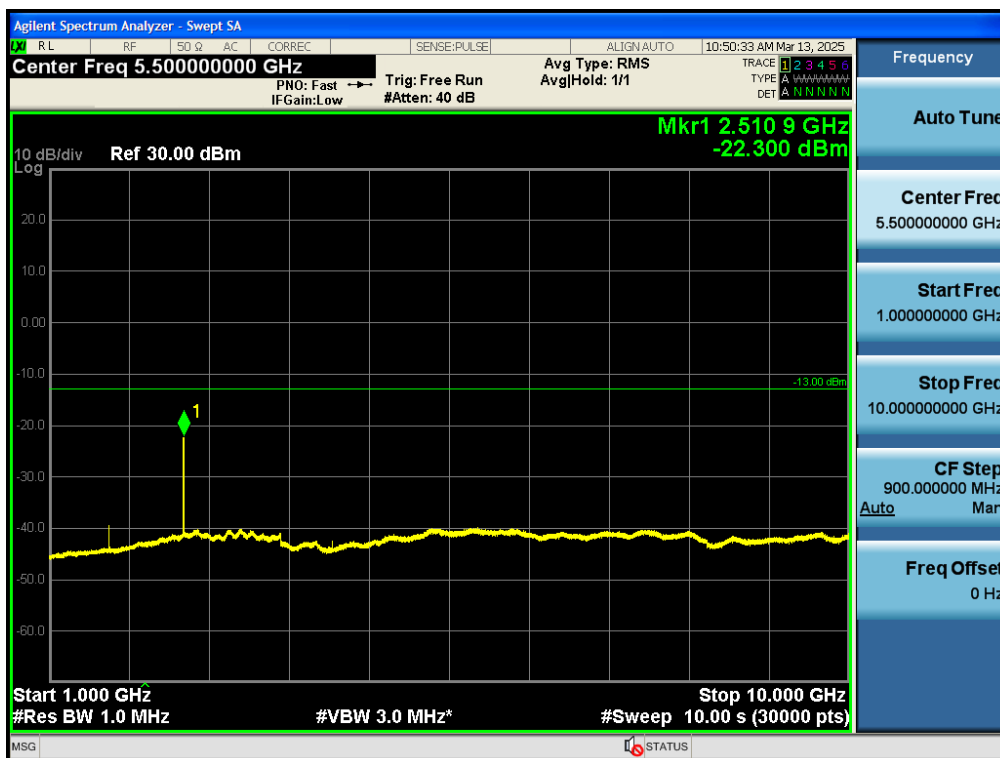
Test_Graph_band5_824.7MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



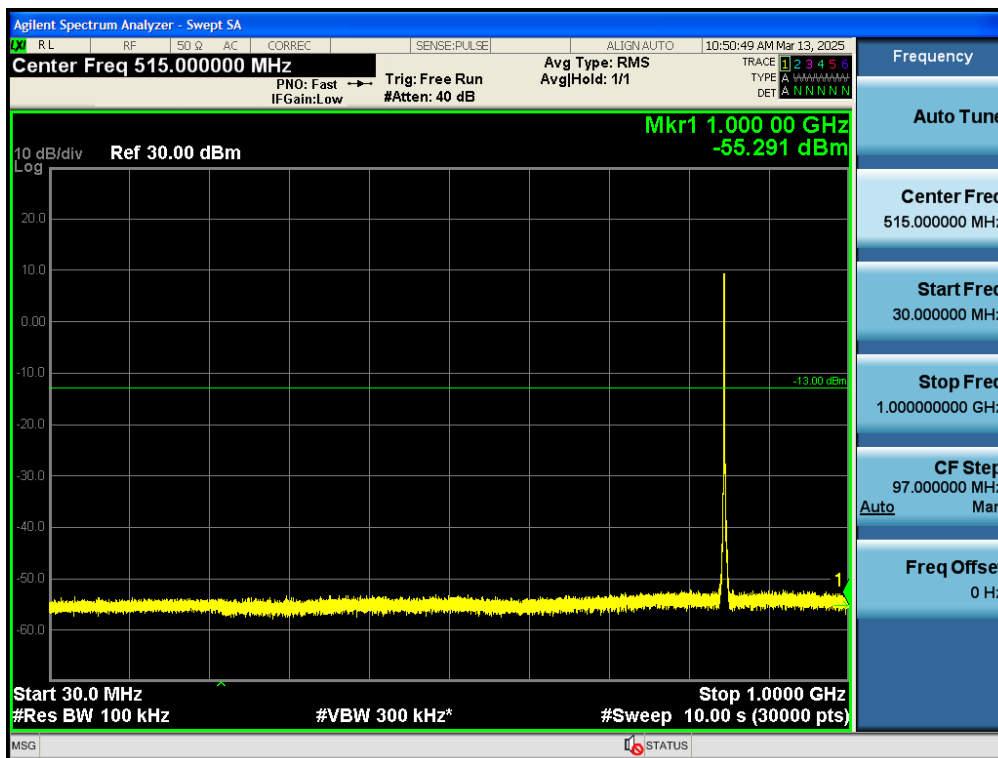
Test_Graph_band5_824.7MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



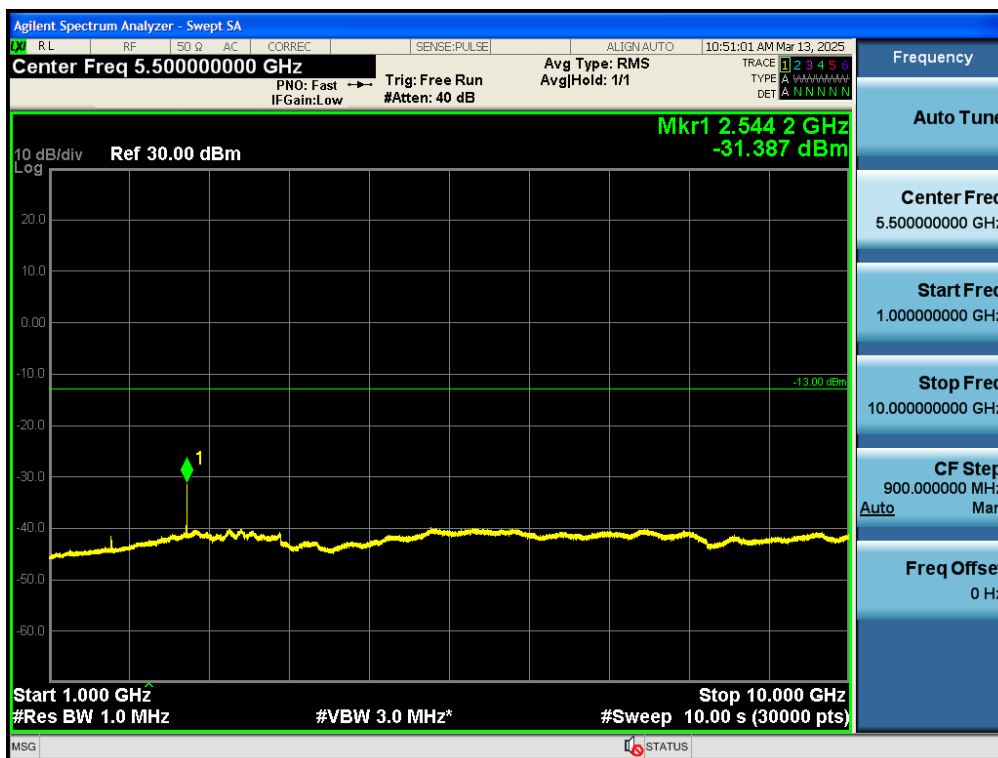
Test_Graph_band5_836.5MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



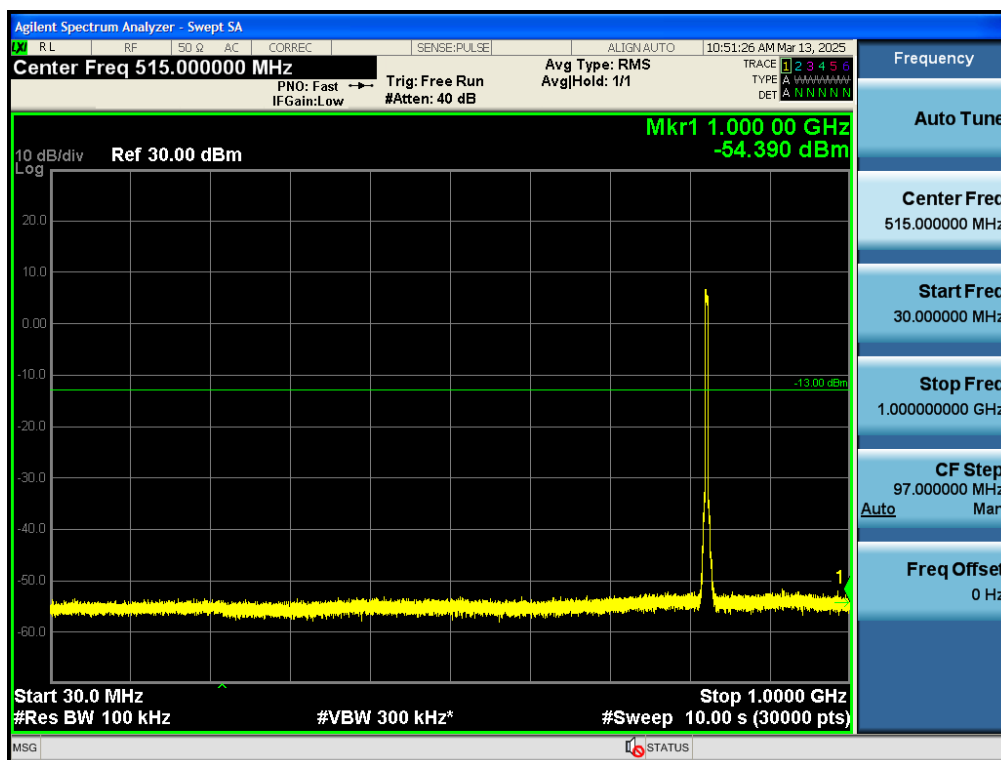
Test_Graph_band5_836.5MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



Test_Graph_band5_848.3MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



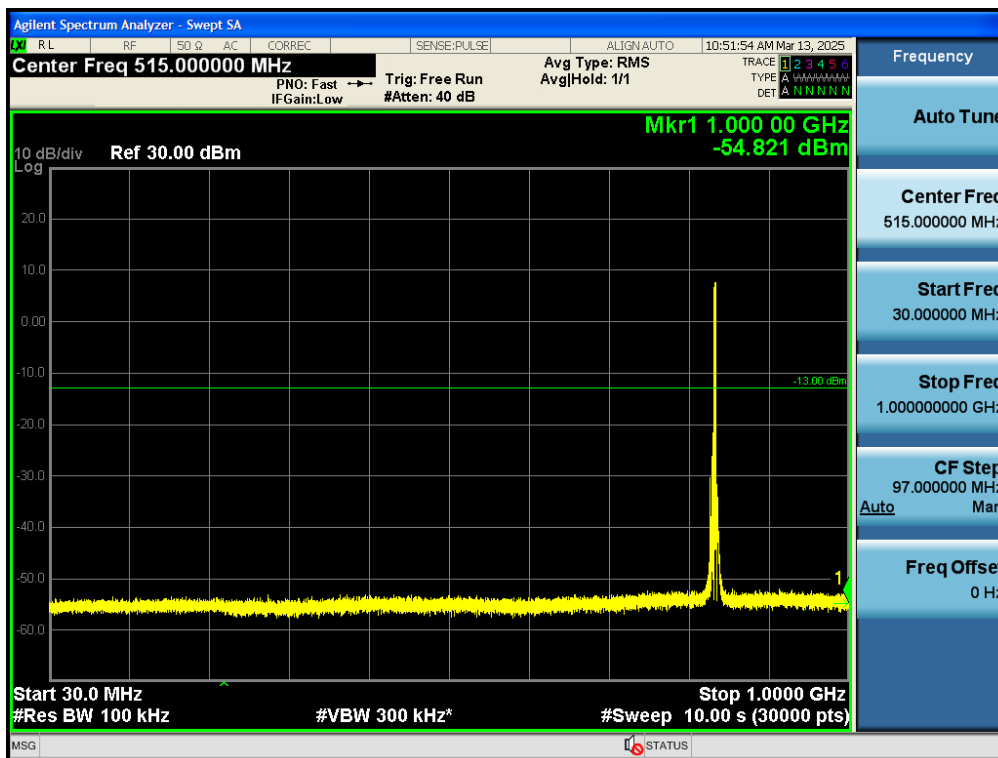
Test_Graph_band5_848.3MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



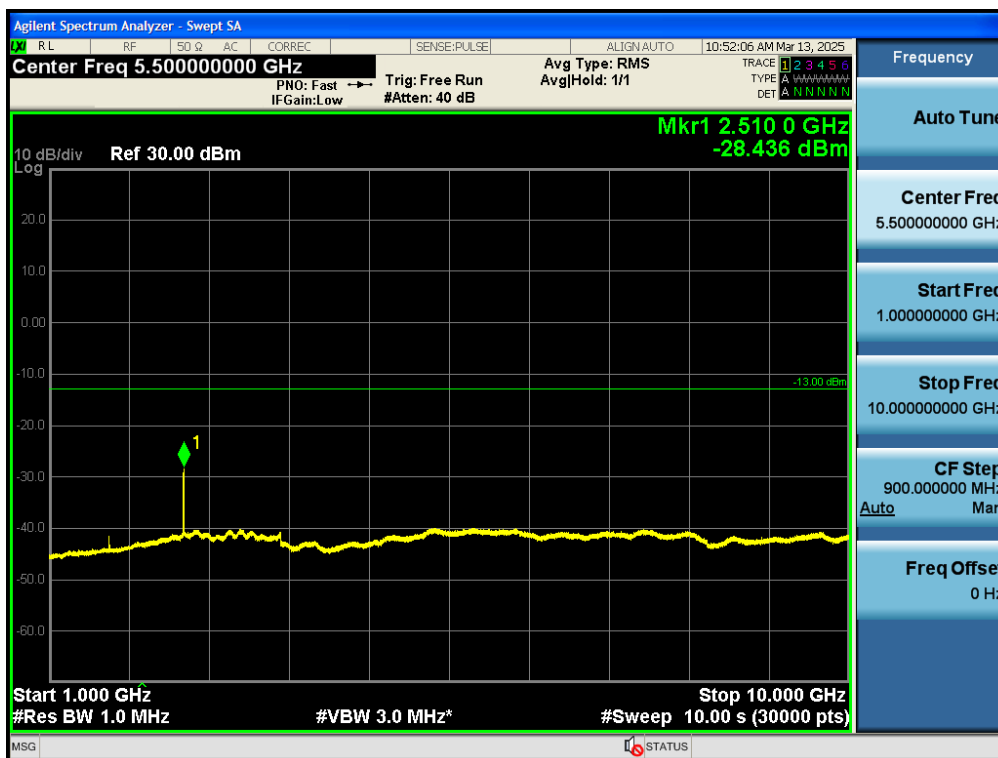
Test_Graph_band5_825.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX



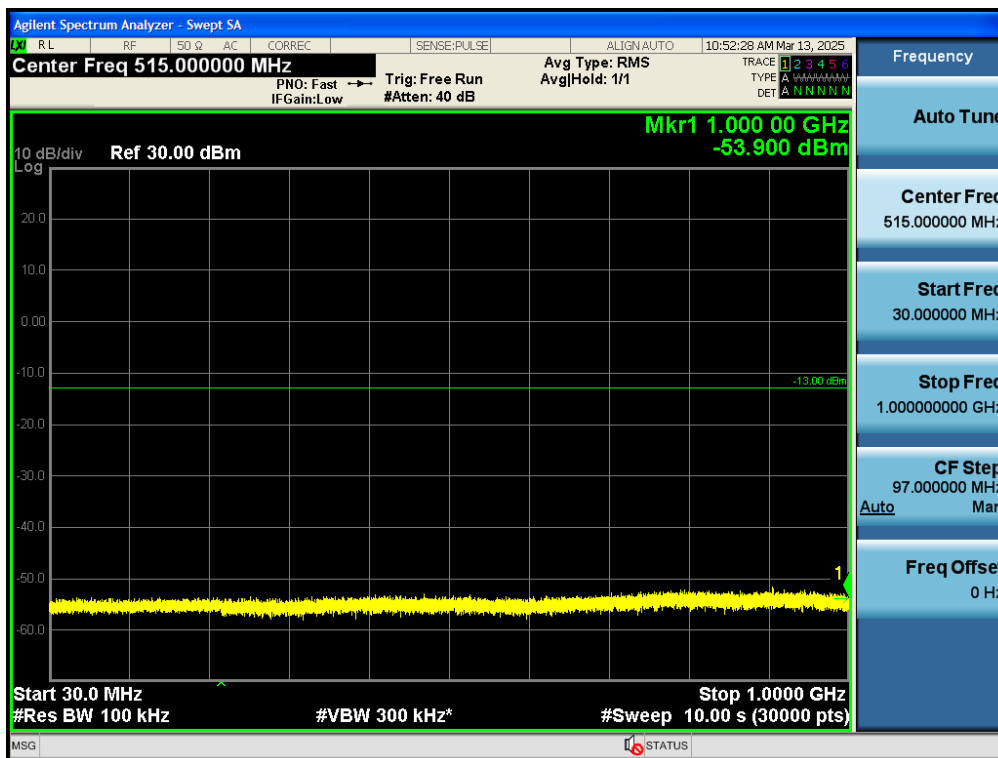
Test_Graph_band5_825.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



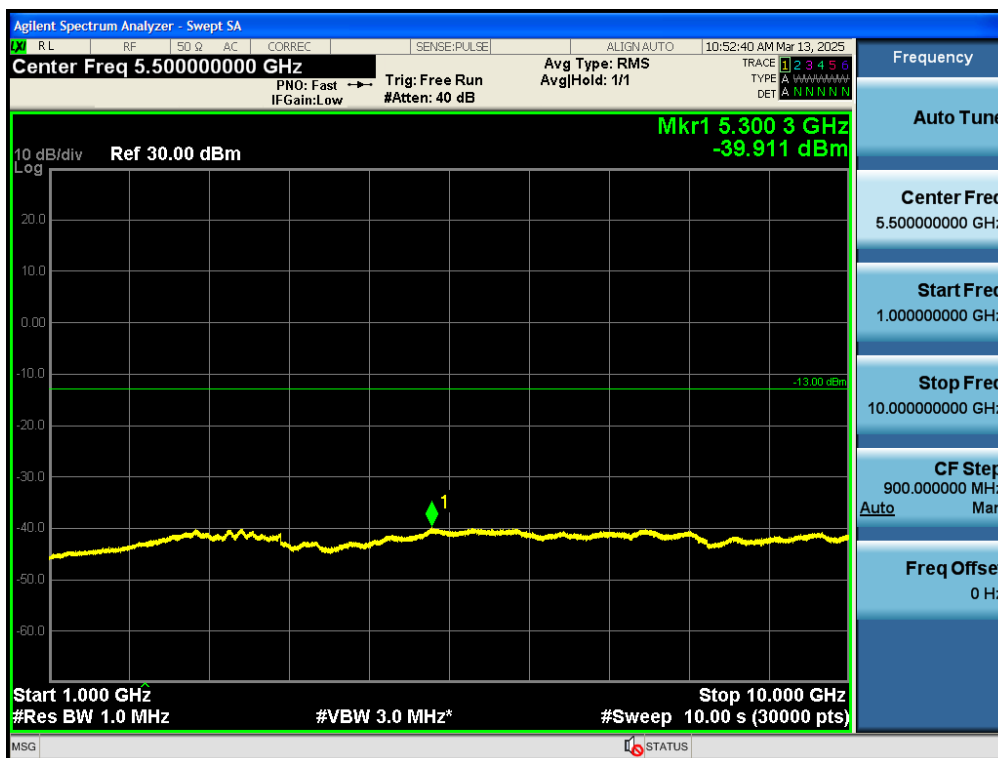
Test_Graph_band5_836.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX



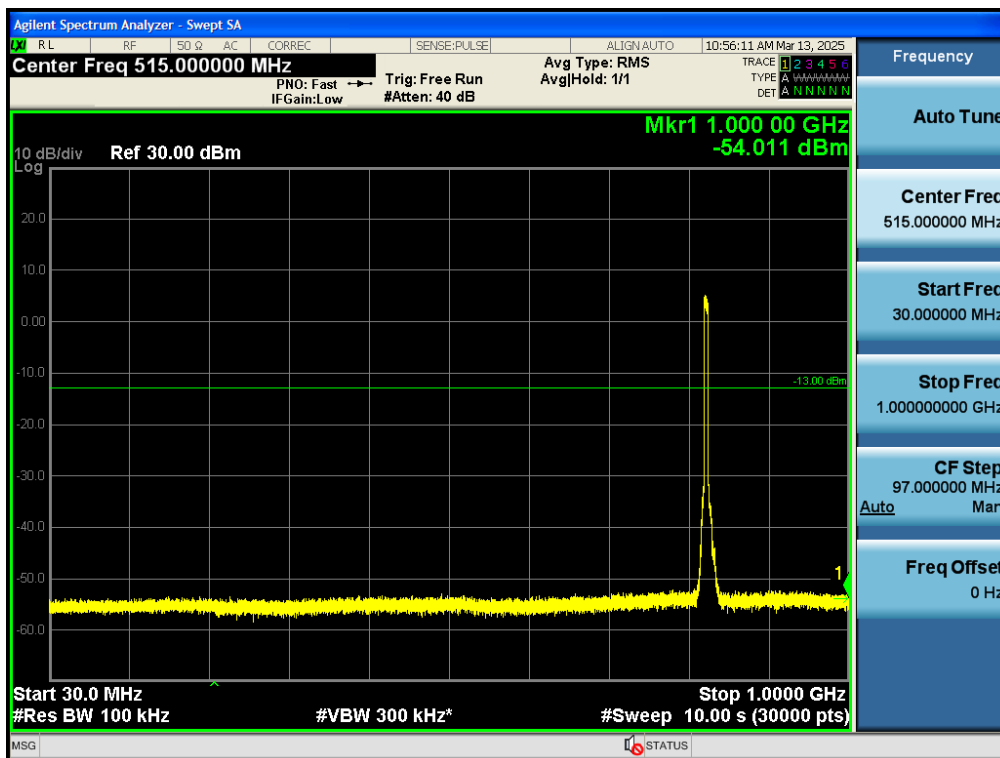
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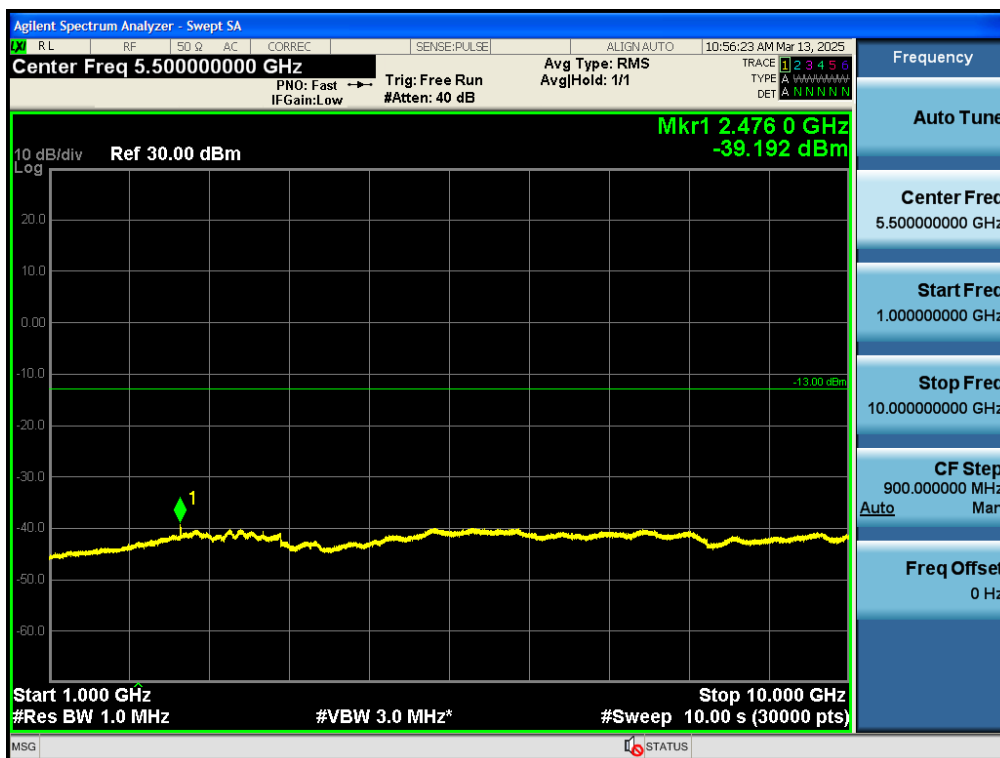
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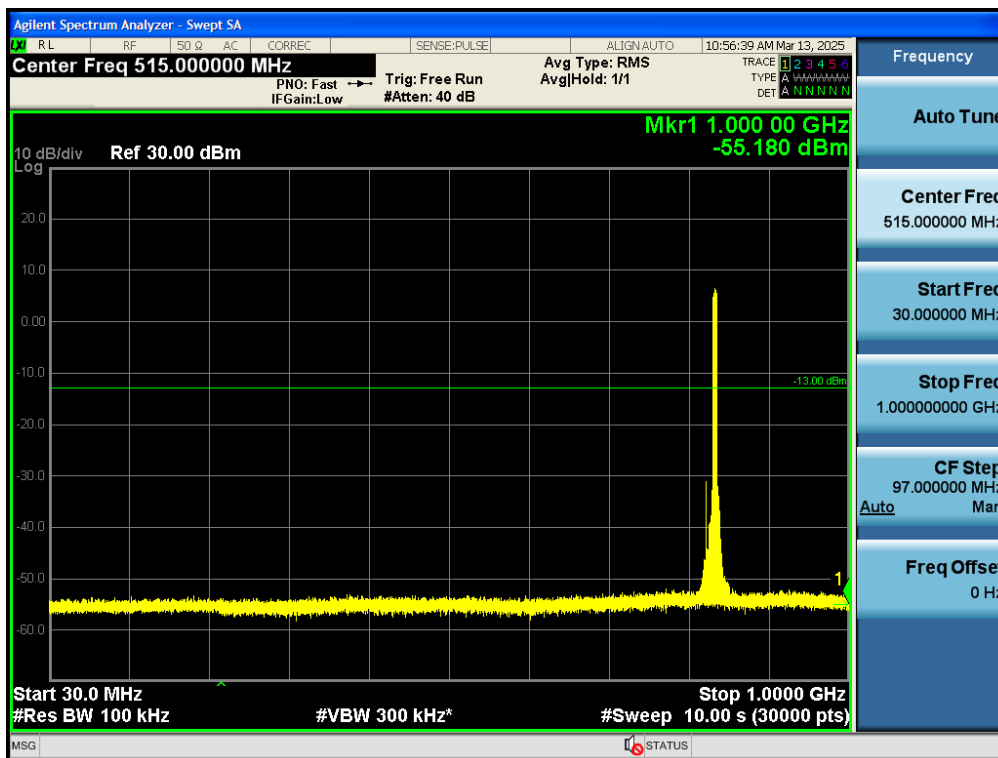
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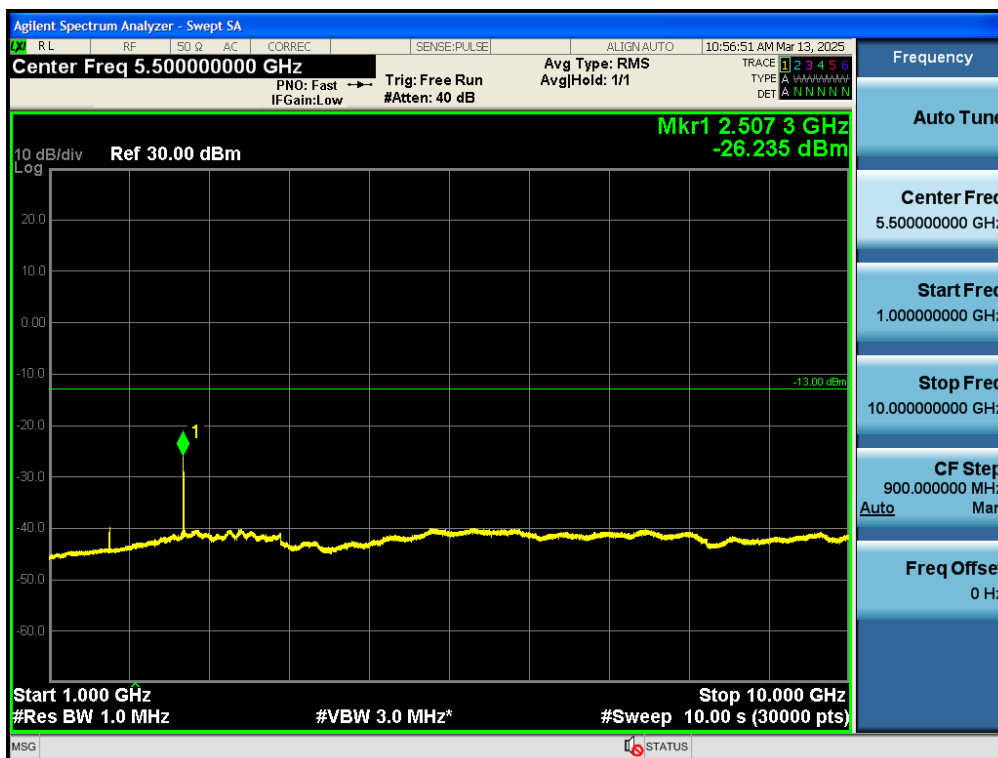
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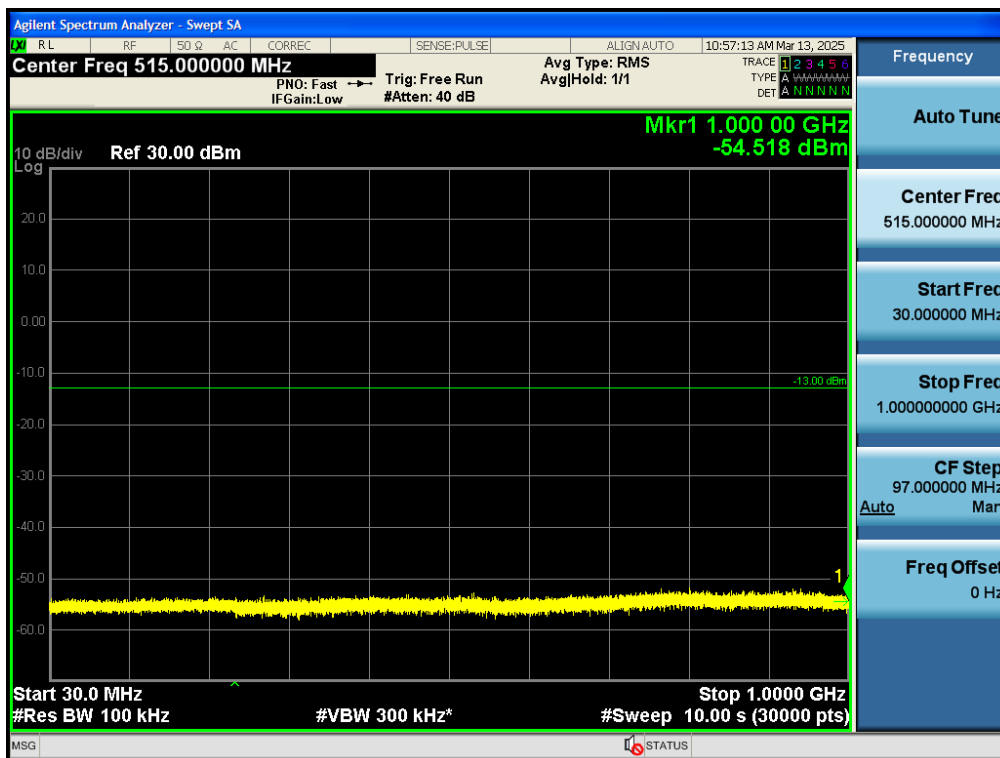
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Test_Graph_band5_836.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



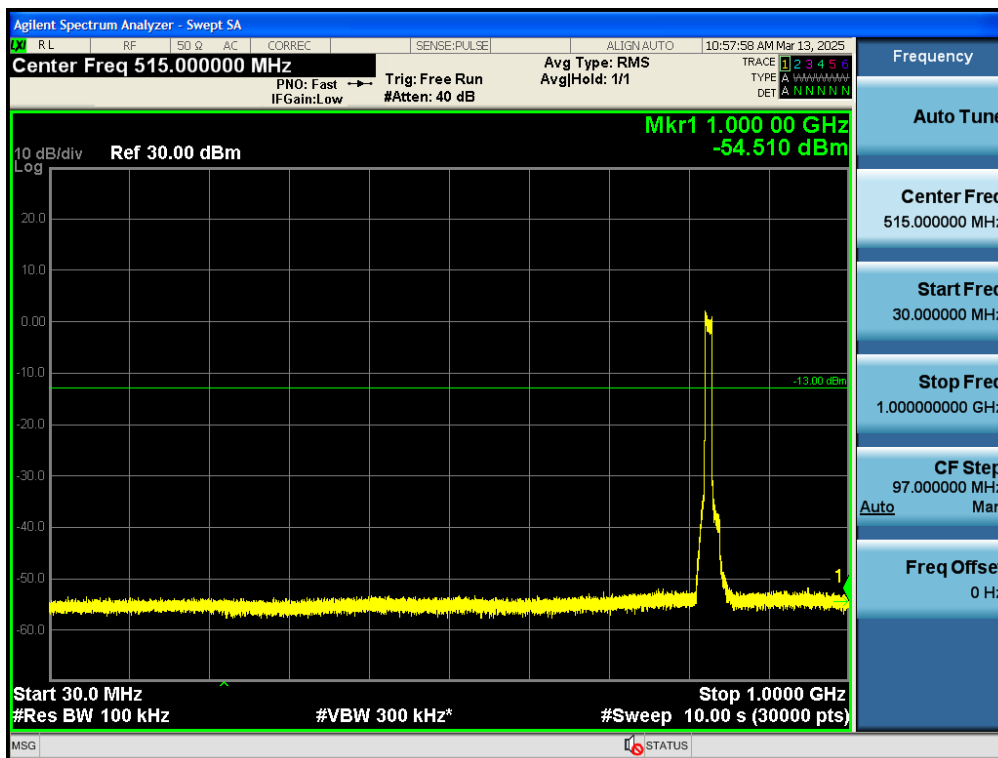
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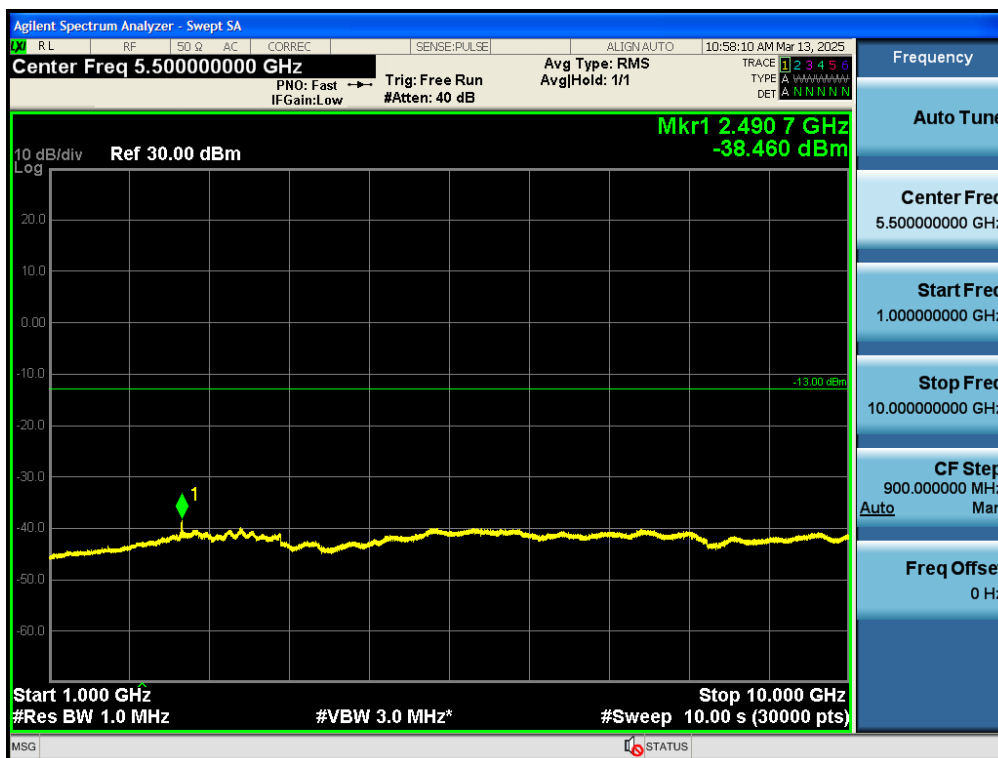
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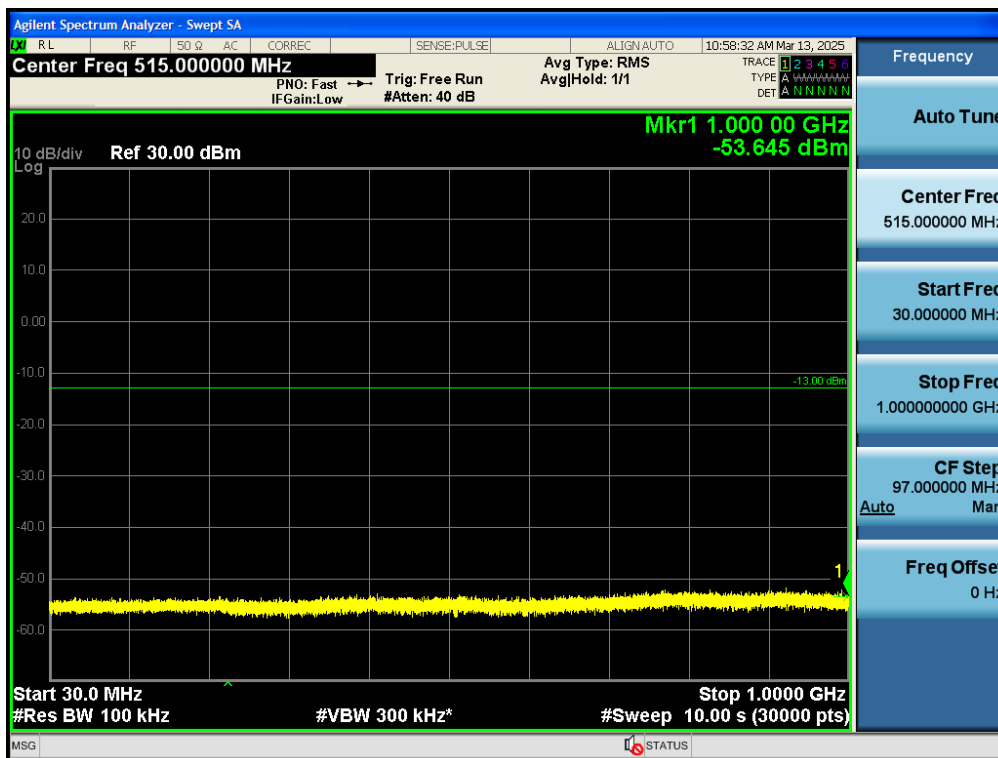
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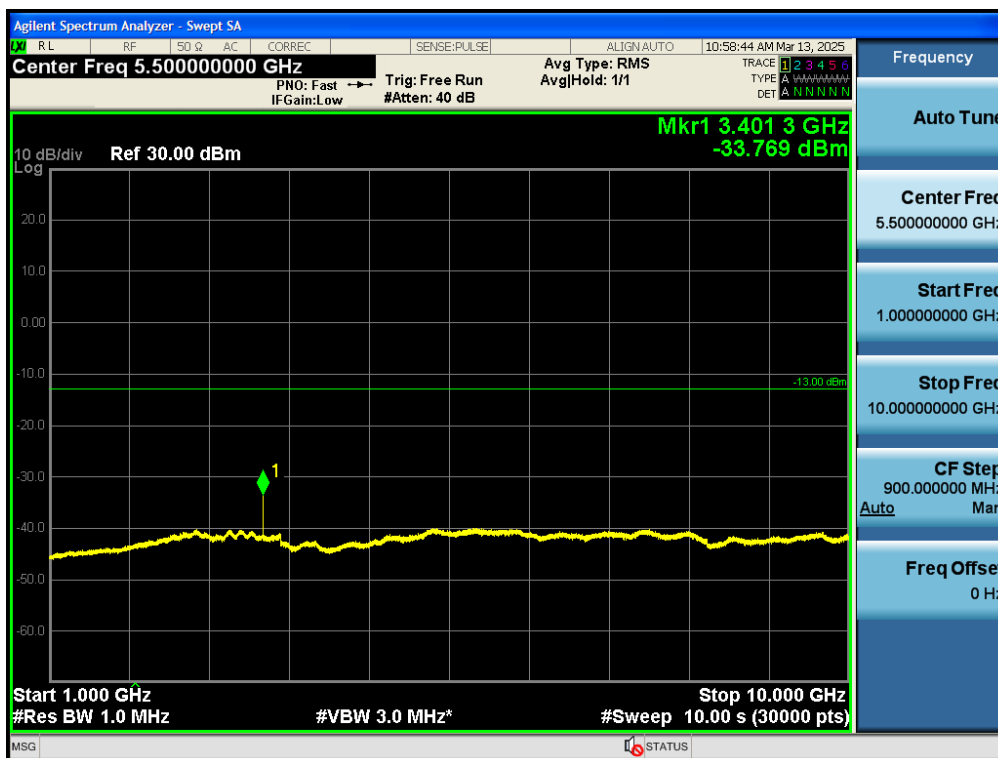
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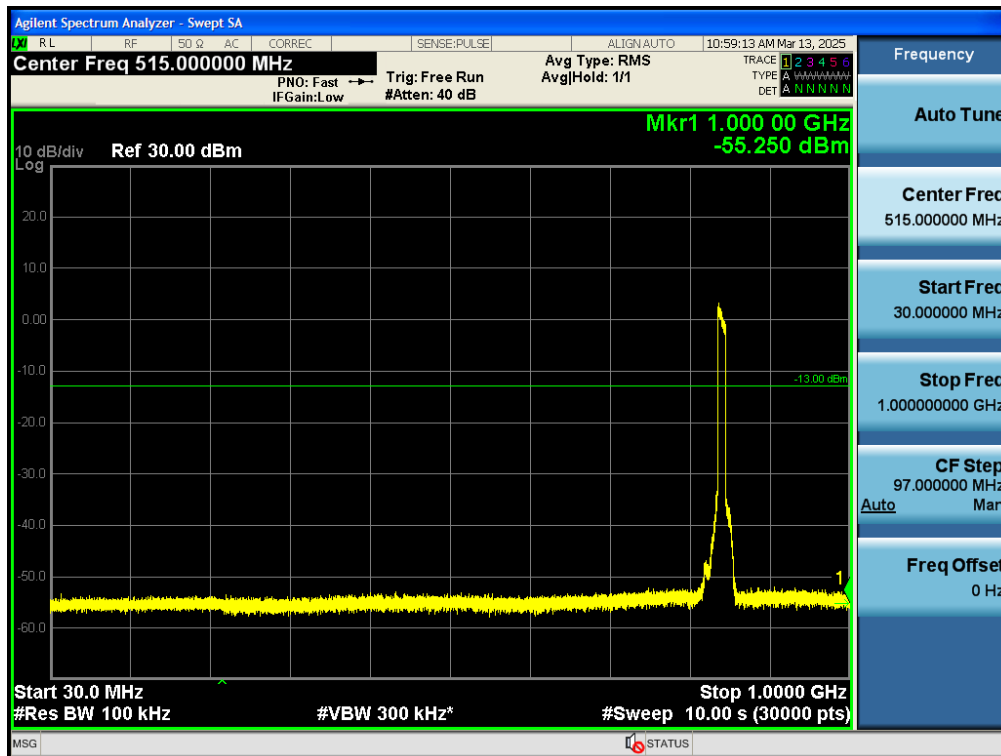
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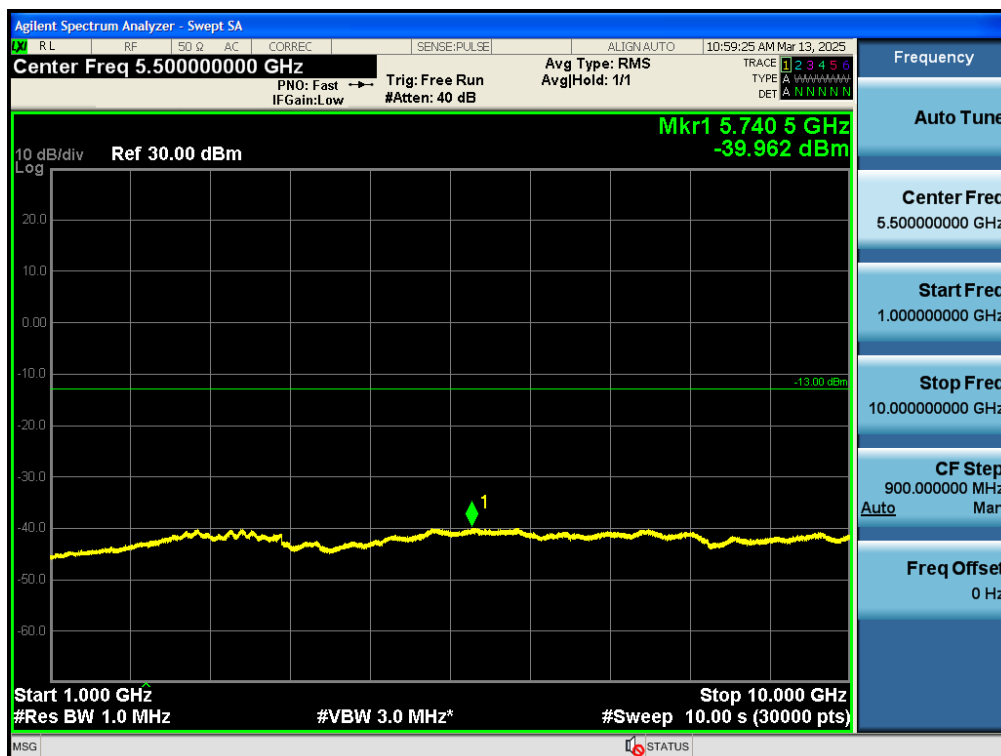
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Test_Graph_band5_836.5MHz_10M_QPSK_50RB#LOW_1G_10G_TX



Test_Graph_band5_844MHz_10M_QPSK_50RB#LOW_30M_1G_TX



Test_Graph_band5_844MHz_10M_QPSK_50RB#LOW_1G_10G_TX

Appendix E: Frequency stability

Test Result

Test Conditions		LTE Band 5(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0058	PASS
40	Normal Voltage	0.0068	
30	Normal Voltage	0.0078	
20(Ref.)	Normal Voltage	0.0049	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0060	
-20	Normal Voltage	0.0082	
-30	Normal Voltage	0.0075	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0057	
20	Battery End Point	0.0066	