

Appendix Test Data for LTE band 2 (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
2	1.4	1850.7	QPSK	6	LOW	20.51	26.54	6.03	13	0.16	20.67	33	Pass
2	1.4	1850.7	QPSK	3	LOW	21.74	26.48	4.74	13	0.16	21.9	33	Pass
2	1.4	1850.7	QPSK	3	MID	21.73	26.46	4.73	13	0.16	21.89	33	Pass
2	1.4	1850.7	QPSK	3	HIGH	21.88	26.71	4.83	13	0.16	22.04	33	Pass
2	1.4	1850.7	QPSK	1	LOW	21.74	26.43	4.69	13	0.16	21.9	33	Pass
2	1.4	1850.7	QPSK	1	MID	21.82	26.24	4.42	13	0.16	21.98	33	Pass
2	1.4	1850.7	QPSK	1	HIGH	21.92	26.51	4.59	13	0.16	22.08	33	Pass
2	1.4	1850.7	16QAM	6	LOW	20.07	25.71	5.64	13	0.16	20.23	33	Pass
2	1.4	1850.7	16QAM	3	LOW	20.9	26.49	5.59	13	0.16	21.06	33	Pass
2	1.4	1850.7	16QAM	3	MID	20.9	26.48	5.58	13	0.16	21.06	33	Pass
2	1.4	1850.7	16QAM	3	HIGH	20.99	26.55	5.56	13	0.16	21.15	33	Pass
2	1.4	1850.7	16QAM	1	LOW	21	25.31	4.31	13	0.16	21.16	33	Pass
2	1.4	1850.7	16QAM	1	MID	21.08	25.32	4.24	13	0.16	21.24	33	Pass
2	1.4	1850.7	16QAM	1	HIGH	21.14	25.43	4.29	13	0.16	21.3	33	Pass
2	1.4	1880	QPSK	6	LOW	20.43	26.58	6.15	13	0.16	20.59	33	Pass
2	1.4	1880	QPSK	3	LOW	21.28	27.36	6.08	13	0.16	21.44	33	Pass
2	1.4	1880	QPSK	3	MID	21.24	27.31	6.07	13	0.16	21.4	33	Pass
2	1.4	1880	QPSK	3	HIGH	21.19	27.24	6.05	13	0.16	21.35	33	Pass
2	1.4	1880	QPSK	1	LOW	21.3	26.46	5.16	13	0.16	21.46	33	Pass
2	1.4	1880	QPSK	1	MID	21.23	26.31	5.08	13	0.16	21.39	33	Pass
2	1.4	1880	QPSK	1	HIGH	21.18	26.32	5.14	13	0.16	21.34	33	Pass
2	1.4	1880	16QAM	6	LOW	19.57	26.61	7.04	13	0.16	19.73	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
2	1.4	1880	16QAM	3	LOW	20.59	26.93	6.34	13	0.16	20.75	33	Pass
2	1.4	1880	16QAM	3	MID	20.57	26.91	6.34	13	0.16	20.73	33	Pass
2	1.4	1880	16QAM	3	HIGH	20.49	26.92	6.43	13	0.16	20.65	33	Pass
2	1.4	1880	16QAM	1	LOW	20.56	26.16	5.60	13	0.16	20.72	33	Pass
2	1.4	1880	16QAM	1	MID	20.49	26.09	5.60	13	0.16	20.65	33	Pass
2	1.4	1880	16QAM	1	HIGH	20.44	26.02	5.58	13	0.16	20.6	33	Pass
2	1.4	1909.3	QPSK	6	LOW	20.12	26.32	6.20	13	0.16	20.28	33	Pass
2	1.4	1909.3	QPSK	3	LOW	20.97	26.56	5.59	13	0.16	21.13	33	Pass
2	1.4	1909.3	QPSK	3	MID	20.96	26.55	5.59	13	0.16	21.12	33	Pass
2	1.4	1909.3	QPSK	3	HIGH	20.74	26.54	5.80	13	0.16	20.9	33	Pass
2	1.4	1909.3	QPSK	1	LOW	21.08	26.57	5.49	13	0.16	21.24	33	Pass
2	1.4	1909.3	QPSK	1	MID	20.87	26.57	5.70	13	0.16	21.03	33	Pass
2	1.4	1909.3	QPSK	1	HIGH	20.67	26.61	5.94	13	0.16	20.83	33	Pass
2	1.4	1909.3	16QAM	6	LOW	19.5	26.62	7.12	13	0.16	19.66	33	Pass
2	1.4	1909.3	16QAM	3	LOW	20.42	26.39	5.97	13	0.16	20.58	33	Pass
2	1.4	1909.3	16QAM	3	MID	20.42	26.37	5.95	13	0.16	20.58	33	Pass
2	1.4	1909.3	16QAM	3	HIGH	20.21	26.36	6.15	13	0.16	20.37	33	Pass
2	1.4	1909.3	16QAM	1	LOW	20.36	26.05	5.69	13	0.16	20.52	33	Pass
2	1.4	1909.3	16QAM	1	MID	20.15	26.01	5.86	13	0.16	20.31	33	Pass
2	1.4	1909.3	16QAM	1	HIGH	19.94	25.91	5.97	13	0.16	20.1	33	Pass
2	3	1851.5	QPSK	15	LOW	20.94	26.48	5.54	13	0.16	21.1	33	Pass
2	3	1851.5	QPSK	8	LOW	20.84	26.06	5.22	13	0.16	21	33	Pass
2	3	1851.5	QPSK	8	MID	20.82	26.01	5.19	13	0.16	20.98	33	Pass
2	3	1851.5	QPSK	8	HIGH	21.11	26.32	5.21	13	0.16	21.27	33	Pass
2	3	1851.5	QPSK	1	LOW	21.57	26.24	4.67	13	0.16	21.73	33	Pass
2	3	1851.5	QPSK	1	MID	21.89	26.56	4.67	13	0.16	22.05	33	Pass
2	3	1851.5	QPSK	1	HIGH	22.01	26.62	4.61	13	0.16	22.17	33	Pass
2	3	1851.5	16QAM	15	LOW	20.06	25.88	5.82	13	0.16	20.22	33	Pass
2	3	1851.5	16QAM	8	LOW	19.97	25.51	5.54	13	0.16	20.13	33	Pass
2	3	1851.5	16QAM	8	MID	19.97	25.55	5.58	13	0.16	20.13	33	Pass
2	3	1851.5	16QAM	8	HIGH	20.2	25.83	5.63	13	0.16	20.36	33	Pass
2	3	1851.5	16QAM	1	LOW	20.89	25.13	4.24	13	0.16	21.05	33	Pass
2	3	1851.5	16QAM	1	MID	21.17	25.33	4.16	13	0.16	21.33	33	Pass
2	3	1851.5	16QAM	1	HIGH	21.29	25.55	4.26	13	0.16	21.45	33	Pass
2	3	1880	QPSK	15	LOW	20.42	27.09	6.67	13	0.16	20.58	33	Pass
2	3	1880	QPSK	8	LOW	20.56	26.68	6.12	13	0.16	20.72	33	Pass
2	3	1880	QPSK	8	MID	20.55	26.67	6.12	13	0.16	20.71	33	Pass
2	3	1880	QPSK	8	HIGH	20.37	26.61	6.24	13	0.16	20.53	33	Pass
2	3	1880	QPSK	1	LOW	21.36	26.52	5.16	13	0.16	21.52	33	Pass
2	3	1880	QPSK	1	MID	21.21	26.43	5.22	13	0.16	21.37	33	Pass
2	3	1880	QPSK	1	HIGH	21.13	26.33	5.20	13	0.16	21.29	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
2	3	1880	16QAM	15	LOW	19.64	26.97	7.33	13	0.16	19.8	33	Pass
2	3	1880	16QAM	8	LOW	19.79	26.31	6.52	13	0.16	19.95	33	Pass
2	3	1880	16QAM	8	MID	19.79	26.32	6.53	13	0.16	19.95	33	Pass
2	3	1880	16QAM	8	HIGH	19.62	26.26	6.64	13	0.16	19.78	33	Pass
2	3	1880	16QAM	1	LOW	20.65	26.29	5.64	13	0.16	20.81	33	Pass
2	3	1880	16QAM	1	MID	20.49	26.15	5.66	13	0.16	20.65	33	Pass
2	3	1880	16QAM	1	HIGH	20.34	25.98	5.64	13	0.16	20.5	33	Pass
2	3	1908.5	QPSK	15	LOW	20.41	26.26	5.85	13	0.16	20.57	33	Pass
2	3	1908.5	QPSK	8	LOW	20.53	26.11	5.58	13	0.16	20.69	33	Pass
2	3	1908.5	QPSK	8	MID	20.53	26.09	5.56	13	0.16	20.69	33	Pass
2	3	1908.5	QPSK	8	HIGH	20.22	26.08	5.86	13	0.16	20.38	33	Pass
2	3	1908.5	QPSK	1	LOW	21.47	25.86	4.39	13	0.16	21.63	33	Pass
2	3	1908.5	QPSK	1	MID	21.05	26.03	4.98	13	0.16	21.21	33	Pass
2	3	1908.5	QPSK	1	HIGH	20.46	25.66	5.20	13	0.16	20.62	33	Pass
2	3	1908.5	16QAM	15	LOW	19.7	26.43	6.73	13	0.16	19.86	33	Pass
2	3	1908.5	16QAM	8	LOW	20	26.23	6.23	13	0.16	20.16	33	Pass
2	3	1908.5	16QAM	8	MID	20	26.23	6.23	13	0.16	20.16	33	Pass
2	3	1908.5	16QAM	8	HIGH	19.69	26.29	6.60	13	0.16	19.85	33	Pass
2	3	1908.5	16QAM	1	LOW	21.23	26.17	4.94	13	0.16	21.39	33	Pass
2	3	1908.5	16QAM	1	MID	20.86	26.51	5.65	13	0.16	21.02	33	Pass
2	3	1908.5	16QAM	1	HIGH	20.33	26.56	6.23	13	0.16	20.49	33	Pass
2	5	1852.5	QPSK	25	LOW	21.24	27.04	5.80	13	0.16	21.4	33	Pass
2	5	1852.5	QPSK	12	LOW	20.95	26.38	5.43	13	0.16	21.11	33	Pass
2	5	1852.5	QPSK	12	MID	20.99	26.43	5.44	13	0.16	21.15	33	Pass
2	5	1852.5	QPSK	12	HIGH	21.11	26.55	5.44	13	0.16	21.27	33	Pass
2	5	1852.5	QPSK	1	LOW	21.79	26.48	4.69	13	0.16	21.95	33	Pass
2	5	1852.5	QPSK	1	MID	22.14	26.7	4.56	13	0.16	22.3	33	Pass
2	5	1852.5	QPSK	1	HIGH	22.02	26.51	4.49	13	0.16	22.18	33	Pass
2	5	1852.5	16QAM	25	LOW	20.28	26.98	6.70	13	0.16	20.44	33	Pass
2	5	1852.5	16QAM	12	LOW	20.09	25.95	5.86	13	0.16	20.25	33	Pass
2	5	1852.5	16QAM	12	MID	20.09	25.94	5.85	13	0.16	20.25	33	Pass
2	5	1852.5	16QAM	12	HIGH	20.23	26.03	5.80	13	0.16	20.39	33	Pass
2	5	1852.5	16QAM	1	LOW	21.17	26.17	5	13	0.16	21.33	33	Pass
2	5	1852.5	16QAM	1	MID	21.52	26.4	4.88	13	0.16	21.68	33	Pass
2	5	1852.5	16QAM	1	HIGH	21.45	26.25	4.80	13	0.16	21.61	33	Pass
2	5	1880	QPSK	25	LOW	20.34	26.87	6.53	13	0.16	20.5	33	Pass
2	5	1880	QPSK	12	LOW	20.53	26.52	5.99	13	0.16	20.69	33	Pass
2	5	1880	QPSK	12	MID	20.53	26.59	6.06	13	0.16	20.69	33	Pass
2	5	1880	QPSK	12	HIGH	20.38	26.51	6.13	13	0.16	20.54	33	Pass
2	5	1880	QPSK	1	LOW	21.55	26.79	5.24	13	0.16	21.71	33	Pass
2	5	1880	QPSK	1	MID	21.27	26.78	5.51	13	0.16	21.43	33	Pass

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2	5	1880	QPSK	1	HIGH	21.26	26.73	5.47	13	0.16	21.42	33	Pass
2	5	1880	16QAM	25	LOW	19.66	27.08	7.42	13	0.16	19.82	33	Pass
2	5	1880	16QAM	12	LOW	19.75	26.78	7.03	13	0.16	19.91	33	Pass
2	5	1880	16QAM	12	MID	19.76	26.78	7.02	13	0.16	19.92	33	Pass
2	5	1880	16QAM	12	HIGH	19.56	26.61	7.05	13	0.16	19.72	33	Pass
2	5	1880	16QAM	1	LOW	20.8	26.85	6.05	13	0.16	20.96	33	Pass
2	5	1880	16QAM	1	MID	20.59	26.88	6.29	13	0.16	20.75	33	Pass
2	5	1880	16QAM	1	HIGH	20.55	26.81	6.26	13	0.16	20.71	33	Pass
2	5	1907.5	QPSK	25	LOW	20.57	26.49	5.92	13	0.16	20.73	33	Pass
2	5	1907.5	QPSK	12	LOW	21.04	25.89	4.85	13	0.16	21.2	33	Pass
2	5	1907.5	QPSK	12	MID	21.04	25.9	4.86	13	0.16	21.2	33	Pass
2	5	1907.5	QPSK	12	HIGH	20.32	26.09	5.77	13	0.16	20.48	33	Pass
2	5	1907.5	QPSK	1	LOW	22.11	25.82	3.71	13	0.16	22.27	33	Pass
2	5	1907.5	QPSK	1	MID	21.46	26.4	4.94	13	0.16	21.62	33	Pass
2	5	1907.5	QPSK	1	HIGH	20.77	26.7	5.93	13	0.16	20.93	33	Pass
2	5	1907.5	16QAM	25	LOW	19.75	26.41	6.66	13	0.16	19.91	33	Pass
2	5	1907.5	16QAM	12	LOW	20.2	26.11	5.91	13	0.16	20.36	33	Pass
2	5	1907.5	16QAM	12	MID	20.2	26.12	5.92	13	0.16	20.36	33	Pass
2	5	1907.5	16QAM	12	HIGH	19.63	26.67	7.04	13	0.16	19.79	33	Pass
2	5	1907.5	16QAM	1	LOW	21.2	25.45	4.25	13	0.16	21.36	33	Pass
2	5	1907.5	16QAM	1	MID	20.63	25.79	5.16	13	0.16	20.79	33	Pass
2	5	1907.5	16QAM	1	HIGH	19.94	25.65	5.71	13	0.16	20.1	33	Pass
2	10	1855	QPSK	50	LOW	20.74	26.16	5.42	13	0.16	20.9	33	Pass
2	10	1855	QPSK	25	LOW	20.85	26.33	5.48	13	0.16	21.01	33	Pass
2	10	1855	QPSK	25	MID	20.86	26.23	5.37	13	0.16	21.02	33	Pass
2	10	1855	QPSK	25	HIGH	20.8	26.18	5.38	13	0.16	20.96	33	Pass
2	10	1855	QPSK	1	LOW	21.79	26.1	4.31	13	0.16	21.95	33	Pass
2	10	1855	QPSK	1	MID	21.73	25.88	4.15	13	0.16	21.89	33	Pass
2	10	1855	QPSK	1	HIGH	22.2	25.86	3.66	13	0.16	22.36	33	Pass
2	10	1855	16QAM	25	LOW	20.22	26.46	6.24	13	0.16	20.38	33	Pass
2	10	1855	16QAM	25	MID	20.22	26.45	6.23	13	0.16	20.38	33	Pass
2	10	1855	16QAM	25	HIGH	20.32	26.39	6.07	13	0.16	20.48	33	Pass
2	10	1855	16QAM	1	LOW	21.48	26.85	5.37	13	0.16	21.64	33	Pass
2	10	1855	16QAM	1	MID	21.56	26.56	5	13	0.16	21.72	33	Pass
2	10	1855	16QAM	1	HIGH	22.01	26.26	4.25	13	0.16	22.17	33	Pass
2	10	1880	QPSK	50	LOW	20.25	26.74	6.49	13	0.16	20.41	33	Pass
2	10	1880	QPSK	25	LOW	20.47	26.71	6.24	13	0.16	20.63	33	Pass
2	10	1880	QPSK	25	MID	20.48	26.81	6.33	13	0.16	20.64	33	Pass
2	10	1880	QPSK	25	HIGH	20.28	26.79	6.51	13	0.16	20.44	33	Pass
2	10	1880	QPSK	1	LOW	21.75	26.67	4.92	13	0.16	21.91	33	Pass
2	10	1880	QPSK	1	MID	21.23	26.72	5.49	13	0.16	21.39	33	Pass

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2	10	1880	QPSK	1	HIGH	21.3	26.79	5.49	13	0.16	21.46	33	Pass
2	10	1880	16QAM	25	LOW	19.73	27.17	7.44	13	0.16	19.89	33	Pass
2	10	1880	16QAM	25	MID	19.76	27.19	7.43	13	0.16	19.92	33	Pass
2	10	1880	16QAM	25	HIGH	19.54	27.14	7.60	13	0.16	19.7	33	Pass
2	10	1880	16QAM	1	LOW	20.98	25.93	4.95	13	0.16	21.14	33	Pass
2	10	1880	16QAM	1	MID	20.55	25.8	5.25	13	0.16	20.71	33	Pass
2	10	1880	16QAM	1	HIGH	20.57	25.63	5.06	13	0.16	20.73	33	Pass
2	10	1905	QPSK	50	LOW	20.85	26.11	5.26	13	0.16	21.01	33	Pass
2	10	1905	QPSK	25	LOW	21.56	25.88	4.32	13	0.16	21.72	33	Pass
2	10	1905	QPSK	25	MID	21.55	25.9	4.35	13	0.16	21.71	33	Pass
2	10	1905	QPSK	25	HIGH	20.54	26.22	5.68	13	0.16	20.7	33	Pass
2	10	1905	QPSK	1	LOW	22.65	25.65	3	13	0.16	22.81	33	Pass
2	10	1905	QPSK	1	MID	22.09	25.5	3.41	13	0.16	22.25	33	Pass
2	10	1905	QPSK	1	HIGH	20.87	26.01	5.14	13	0.16	21.03	33	Pass
2	10	1905	16QAM	25	LOW	20.86	25.76	4.90	13	0.16	21.02	33	Pass
2	10	1905	16QAM	25	MID	20.79	25.75	4.96	13	0.16	20.95	33	Pass
2	10	1905	16QAM	25	HIGH	19.74	26.12	6.38	13	0.16	19.9	33	Pass
2	10	1905	16QAM	1	LOW	21.77	25.58	3.81	13	0.16	21.93	33	Pass
2	10	1905	16QAM	1	MID	21.3	25.37	4.07	13	0.16	21.46	33	Pass
2	10	1905	16QAM	1	HIGH	20.11	25.74	5.63	13	0.16	20.27	33	Pass
2	15	1857.5	QPSK	75	LOW	21.27	27.36	6.09	13	0.16	21.43	33	Pass
2	15	1857.5	QPSK	38	LOW	21.3	27.32	6.02	13	0.16	21.46	33	Pass
2	15	1857.5	QPSK	38	MID	21.37	27.38	6.01	13	0.16	21.53	33	Pass
2	15	1857.5	QPSK	38	HIGH	21.35	27.36	6.01	13	0.16	21.51	33	Pass
2	15	1857.5	QPSK	1	LOW	21.78	26.17	4.39	13	0.16	21.94	33	Pass
2	15	1857.5	QPSK	1	MID	22.11	26.13	4.02	13	0.16	22.27	33	Pass
2	15	1857.5	QPSK	1	HIGH	22.51	25.82	3.31	13	0.16	22.67	33	Pass
2	15	1857.5	16QAM	1	LOW	21.37	26.81	5.44	13	0.16	21.53	33	Pass
2	15	1857.5	16QAM	1	MID	21.62	26.42	4.80	13	0.16	21.78	33	Pass
2	15	1857.5	16QAM	1	HIGH	22.09	25.99	3.90	13	0.16	22.25	33	Pass
2	15	1880	QPSK	75	LOW	20.4	27.28	6.88	13	0.16	20.56	33	Pass
2	15	1880	QPSK	38	HIGH	20.48	27.29	6.81	13	0.16	20.64	33	Pass
2	15	1880	QPSK	38	MID	20.47	27.24	6.77	13	0.16	20.63	33	Pass
2	15	1880	QPSK	1	LOW	21.87	26.35	4.48	13	0.16	22.03	33	Pass
2	15	1880	QPSK	1	MID	21.37	27.05	5.68	13	0.16	21.53	33	Pass
2	15	1880	QPSK	1	HIGH	21.44	26.75	5.31	13	0.16	21.6	33	Pass
2	15	1880	16QAM	1	LOW	21.14	25.77	4.63	13	0.16	21.3	33	Pass
2	15	1880	16QAM	1	MID	20.64	25.86	5.22	13	0.16	20.8	33	Pass
2	15	1880	16QAM	1	HIGH	20.76	25.6	4.84	13	0.16	20.92	33	Pass
2	15	1902.5	QPSK	75	LOW	21.25	26.87	5.62	13	0.16	21.41	33	Pass
2	15	1902.5	QPSK	38	LOW	21.27	26.9	5.63	13	0.16	21.43	33	Pass

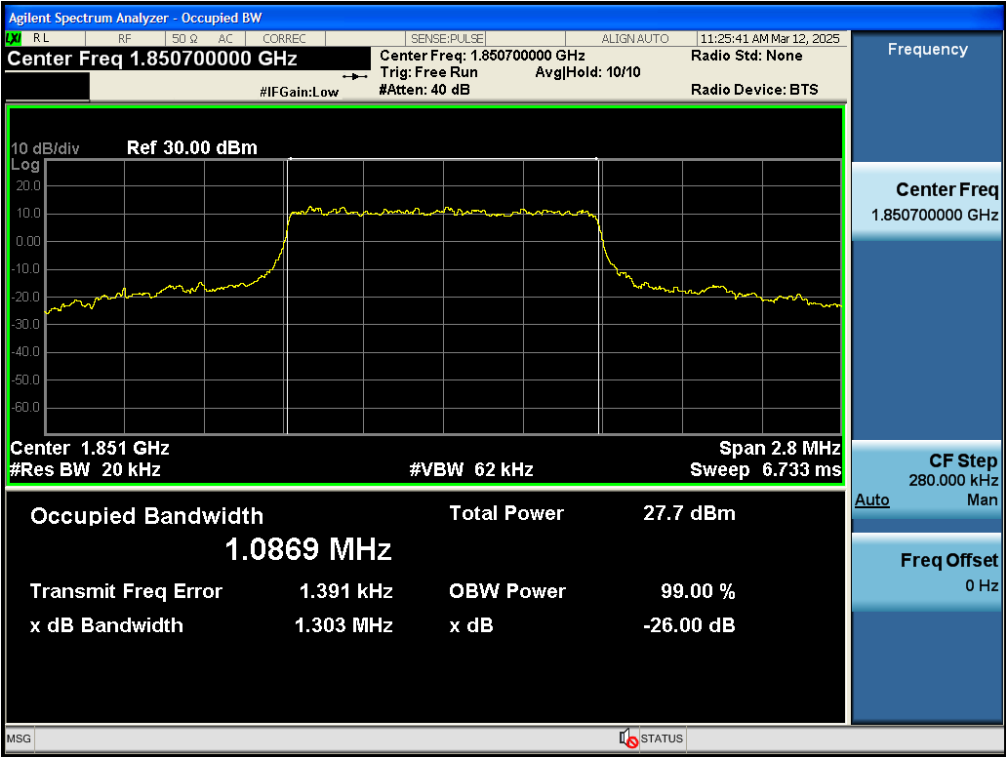
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
2	15	1902.5	QPSK	38	MID	21.27	26.92	5.65	13	0.16	21.43	33	Pass
2	15	1902.5	QPSK	38	HIGH	21.26	26.87	5.61	13	0.16	21.42	33	Pass
2	15	1902.5	QPSK	1	LOW	21.68	25.74	4.06	13	0.16	21.84	33	Pass
2	15	1902.5	QPSK	1	MID	22.4	25.31	2.91	13	0.16	22.56	33	Pass
2	15	1902.5	QPSK	1	HIGH	21.07	25.87	4.80	13	0.16	21.23	33	Pass
2	15	1902.5	16QAM	1	LOW	21.13	25.65	4.52	13	0.16	21.29	33	Pass
2	15	1902.5	16QAM	1	MID	21.86	25.33	3.47	13	0.16	22.02	33	Pass
2	15	1902.5	16QAM	1	HIGH	20.7	25.95	5.25	13	0.16	20.86	33	Pass
2	20	1860	QPSK	100	LOW	21.53	27.05	5.52	13	0.16	21.69	33	Pass
2	20	1860	QPSK	50	LOW	21.14	26.58	5.44	13	0.16	21.3	33	Pass
2	20	1860	QPSK	50	MID	21.15	26.57	5.42	13	0.16	21.31	33	Pass
2	20	1860	QPSK	50	HIGH	21.51	26.28	4.77	13	0.16	21.67	33	Pass
2	20	1860	QPSK	1	LOW	21.99	26.71	4.72	13	0.16	22.15	33	Pass
2	20	1860	QPSK	1	MID	22.41	26.11	3.70	13	0.16	22.57	33	Pass
2	20	1860	QPSK	1	HIGH	21.81	25.84	4.03	13	0.16	21.97	33	Pass
2	20	1860	16QAM	1	LOW	21.23	26.25	5.02	13	0.16	21.39	33	Pass
2	20	1860	16QAM	1	MID	21.78	26.01	4.23	13	0.16	21.94	33	Pass
2	20	1860	16QAM	1	HIGH	21.23	25.76	4.53	13	0.16	21.39	33	Pass
2	20	1880	QPSK	100	LOW	20.37	27.02	6.65	13	0.16	20.53	33	Pass
2	20	1880	QPSK	50	LOW	20.75	26.89	6.14	13	0.16	20.91	33	Pass
2	20	1880	QPSK	50	MID	20.76	26.93	6.17	13	0.16	20.92	33	Pass
2	20	1880	QPSK	50	HIGH	20.5	27.16	6.66	13	0.16	20.66	33	Pass
2	20	1880	QPSK	1	LOW	21.73	25.89	4.16	13	0.16	21.89	33	Pass
2	20	1880	QPSK	1	MID	21.37	26.6	5.23	13	0.16	21.53	33	Pass
2	20	1880	QPSK	1	HIGH	21.64	26.39	4.75	13	0.16	21.8	33	Pass
2	20	1880	16QAM	1	LOW	21.06	25.93	4.87	13	0.16	21.22	33	Pass
2	20	1880	16QAM	1	MID	20.84	27.05	6.21	13	0.16	21	33	Pass
2	20	1880	16QAM	1	HIGH	20.89	26.71	5.82	13	0.16	21.05	33	Pass
2	20	1900	QPSK	100	LOW	21.73	27.45	5.72	13	0.16	21.89	33	Pass
2	20	1900	QPSK	50	LOW	20.97	26.7	5.73	13	0.16	21.13	33	Pass
2	20	1900	QPSK	50	MID	20.95	26.67	5.72	13	0.16	21.11	33	Pass
2	20	1900	QPSK	50	HIGH	21.02	26.1	5.08	13	0.16	21.18	33	Pass
2	20	1900	QPSK	1	LOW	21.6	26.3	4.70	13	0.16	21.76	33	Pass
2	20	1900	QPSK	1	MID	22.54	25.82	3.28	13	0.16	22.7	33	Pass
2	20	1900	QPSK	1	HIGH	20.99	26.26	5.27	13	0.16	21.15	33	Pass
2	20	1900	16QAM	1	LOW	21.24	26.19	4.95	13	0.16	21.4	33	Pass
2	20	1900	16QAM	1	MID	22.18	25.81	3.63	13	0.16	22.34	33	Pass
2	20	1900	16QAM	1	HIGH	20.86	26.29	5.43	13	0.16	21.02	33	Pass

Appendix B: Occupied bandwidth

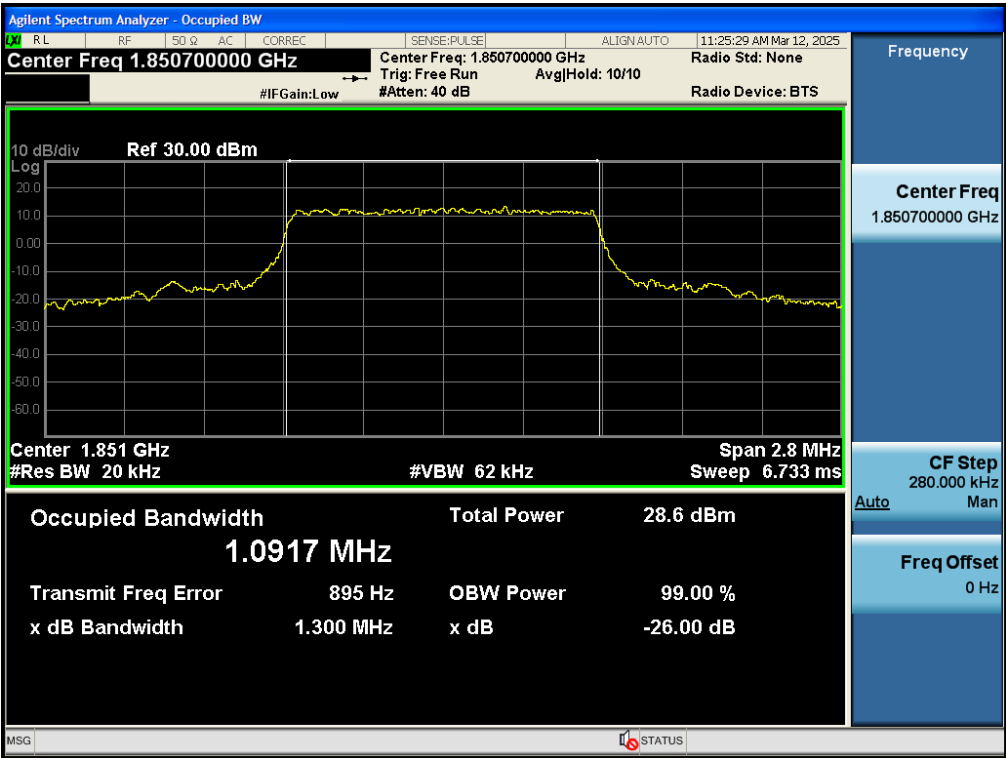
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
2	1.4	1850.7	QPSK	6	LOW	1.092	1.3	No limit
2	1.4	1850.7	16QAM	6	LOW	1.087	1.303	No limit
2	1.4	1880	QPSK	6	LOW	1.093	1.255	No limit
2	1.4	1880	16QAM	6	LOW	1.088	1.267	No limit
2	1.4	1909.3	QPSK	6	LOW	1.084	1.246	No limit
2	1.4	1909.3	16QAM	6	LOW	1.089	1.28	No limit
2	3	1851.5	QPSK	15	LOW	2.692	2.907	No limit
2	3	1851.5	16QAM	15	LOW	2.686	2.915	No limit
2	3	1880	QPSK	15	LOW	2.69	2.906	No limit
2	3	1880	16QAM	15	LOW	2.682	2.896	No limit
2	3	1908.5	QPSK	15	LOW	2.687	2.896	No limit
2	3	1908.5	16QAM	15	LOW	2.682	2.887	No limit
2	5	1852.5	QPSK	25	LOW	4.495	4.955	No limit
2	5	1852.5	16QAM	25	LOW	4.478	4.913	No limit
2	5	1880	QPSK	25	LOW	4.484	4.863	No limit
2	5	1880	16QAM	25	LOW	4.482	4.887	No limit
2	5	1907.5	QPSK	25	LOW	4.466	4.843	No limit
2	5	1907.5	16QAM	25	LOW	4.475	4.874	No limit
2	10	1855	QPSK	50	LOW	8.957	9.71	No limit
2	10	1880	QPSK	50	LOW	8.946	9.602	No limit
2	10	1905	QPSK	50	LOW	8.909	9.53	No limit
2	15	1857.5	QPSK	75	LOW	13.437	14.435	No limit
2	15	1880	QPSK	75	LOW	13.4	14.25	No limit
2	15	1902.5	QPSK	75	LOW	13.369	14.26	No limit
2	20	1860	QPSK	100	LOW	17.855	18.887	No limit
2	20	1880	QPSK	100	LOW	17.871	18.826	No limit
2	20	1900	QPSK	100	LOW	17.788	18.781	No limit

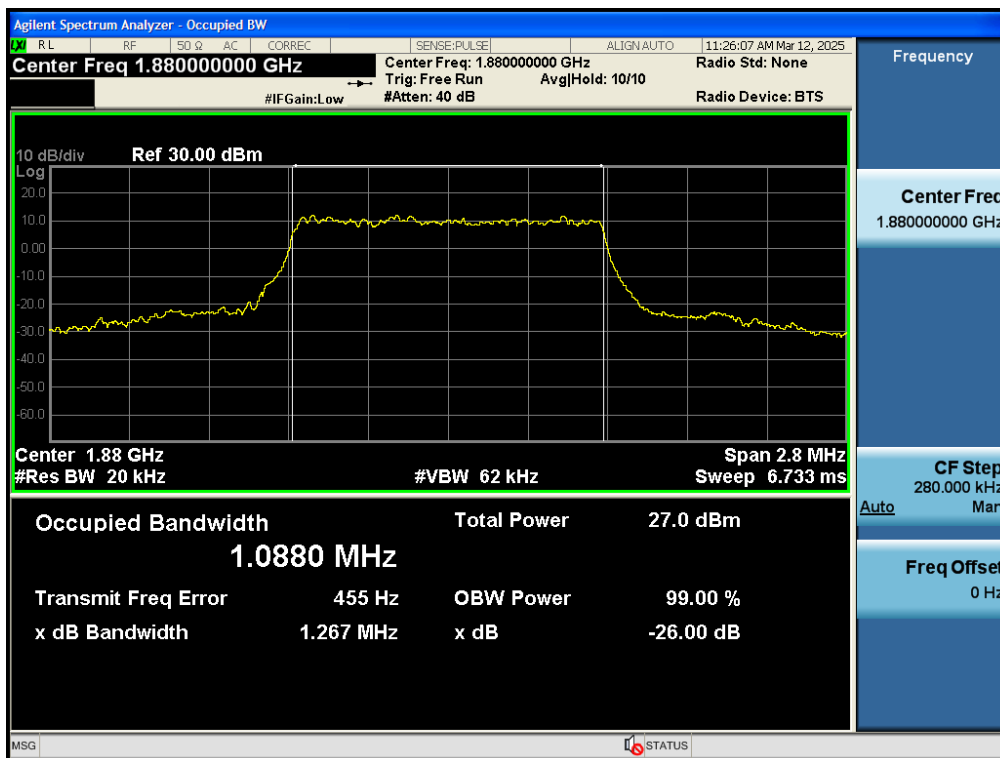
Test Graphs



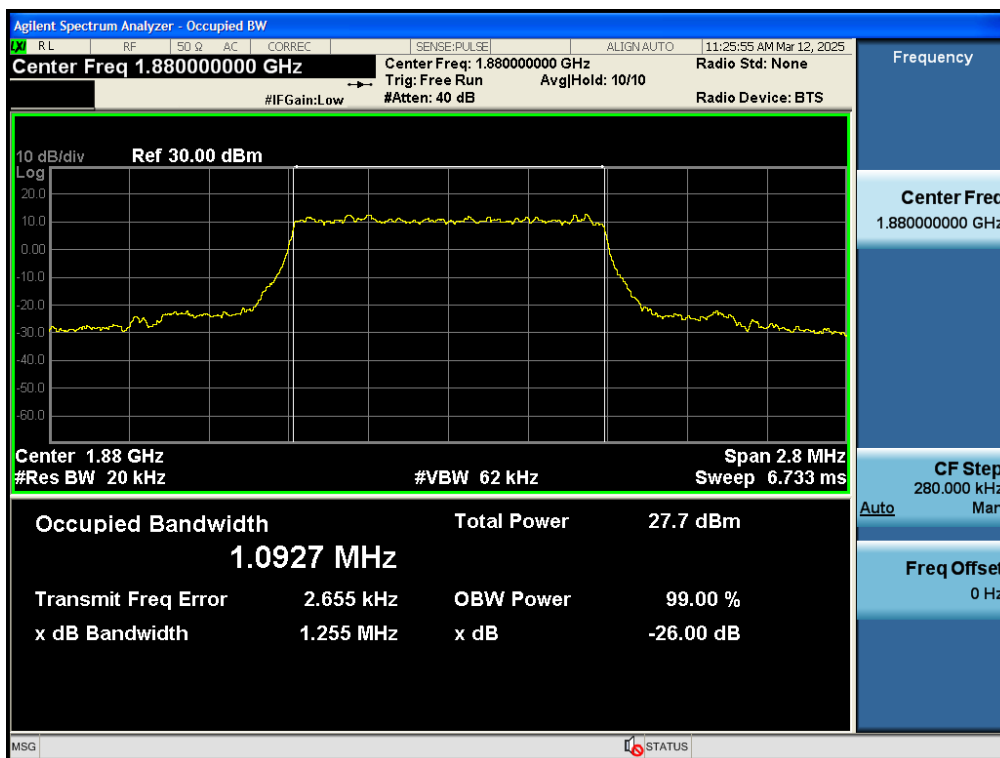
Test_Graph_band2_1850.7MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



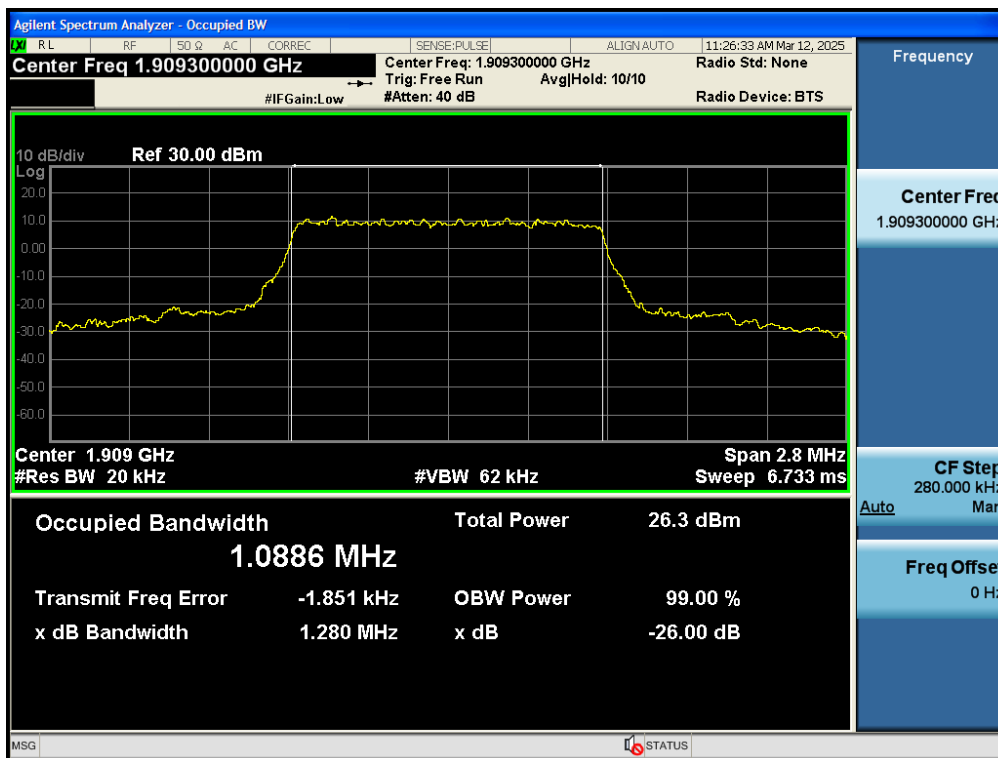
Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



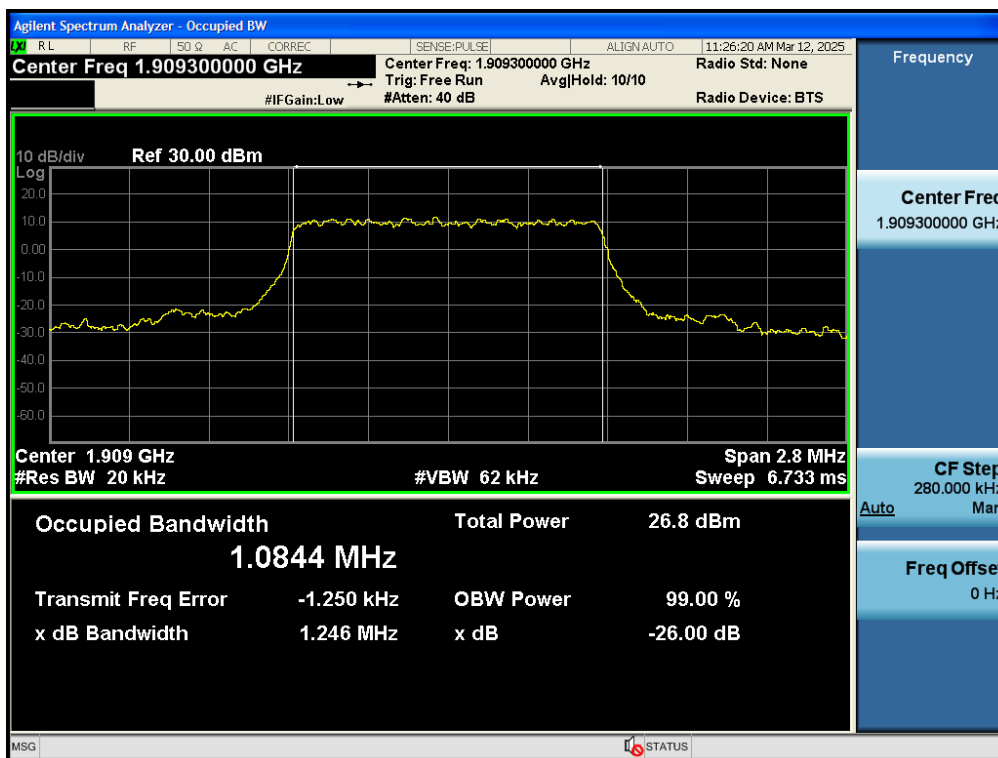
Test_Graph_band2_1880MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



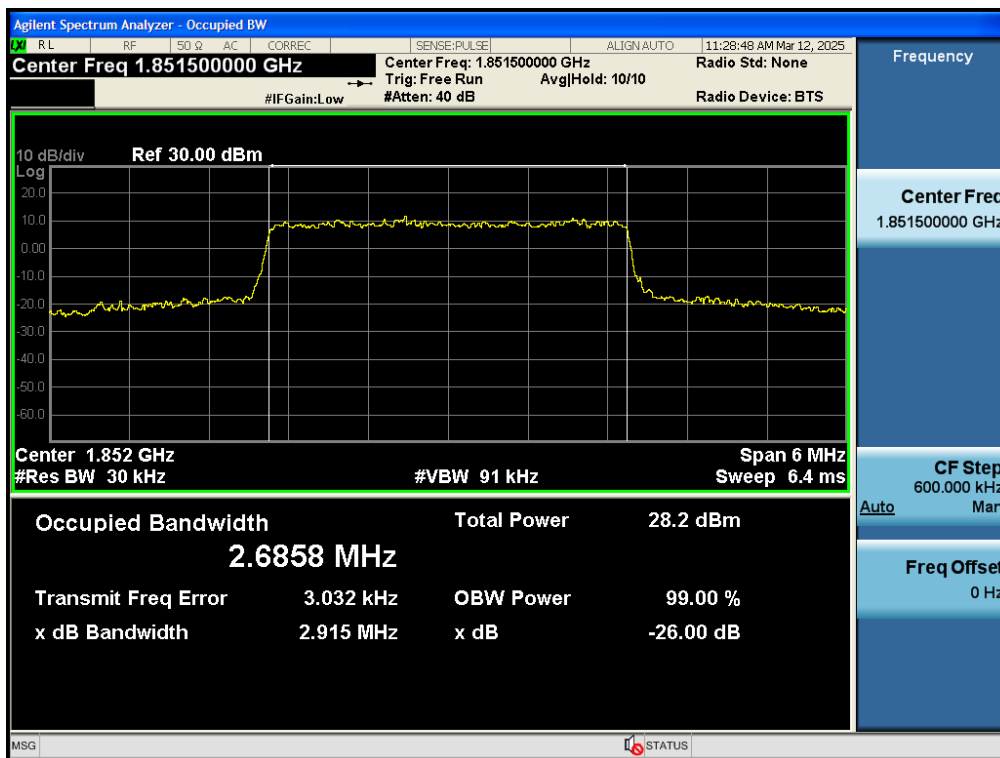
Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



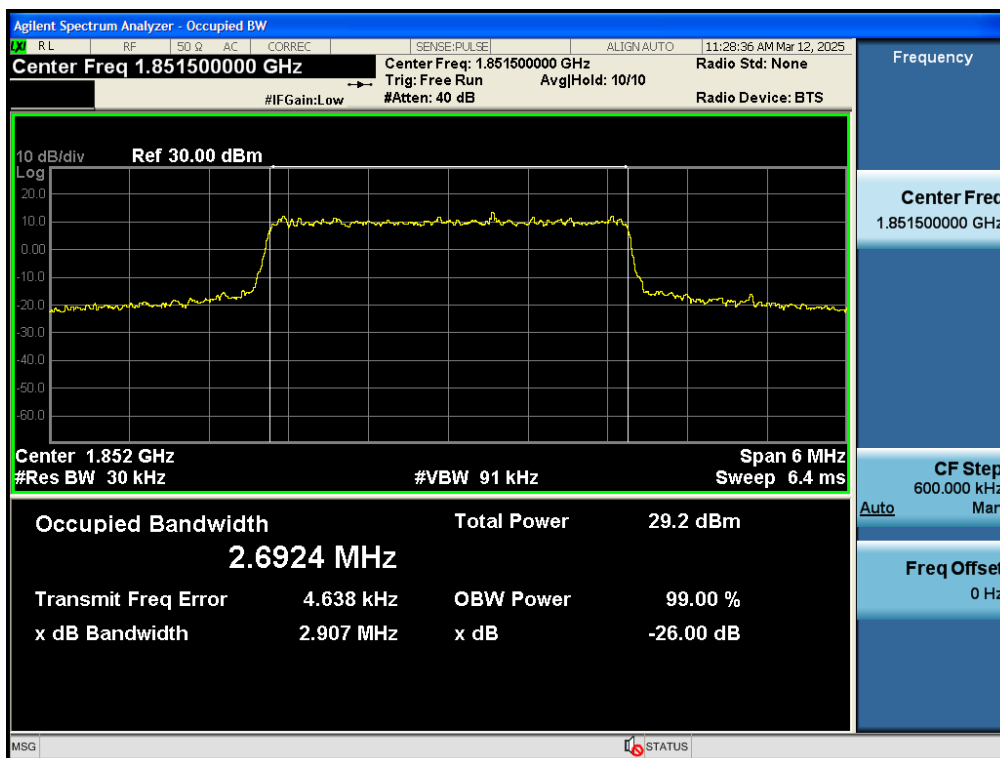
Test_Graph_band2_1909.3MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



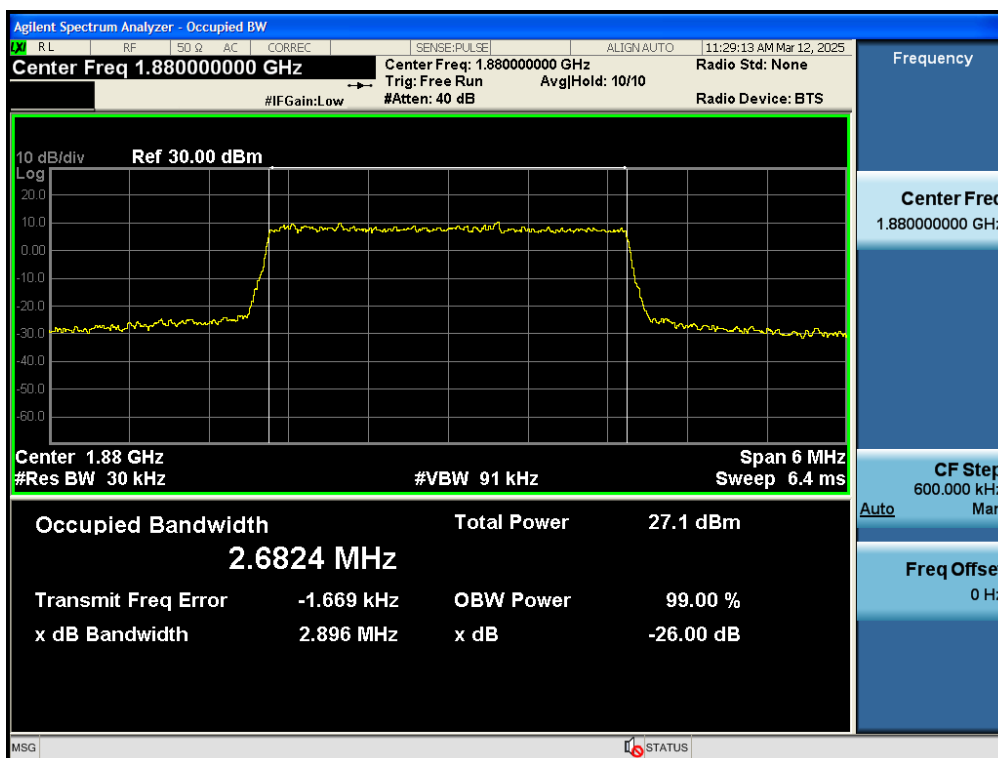
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



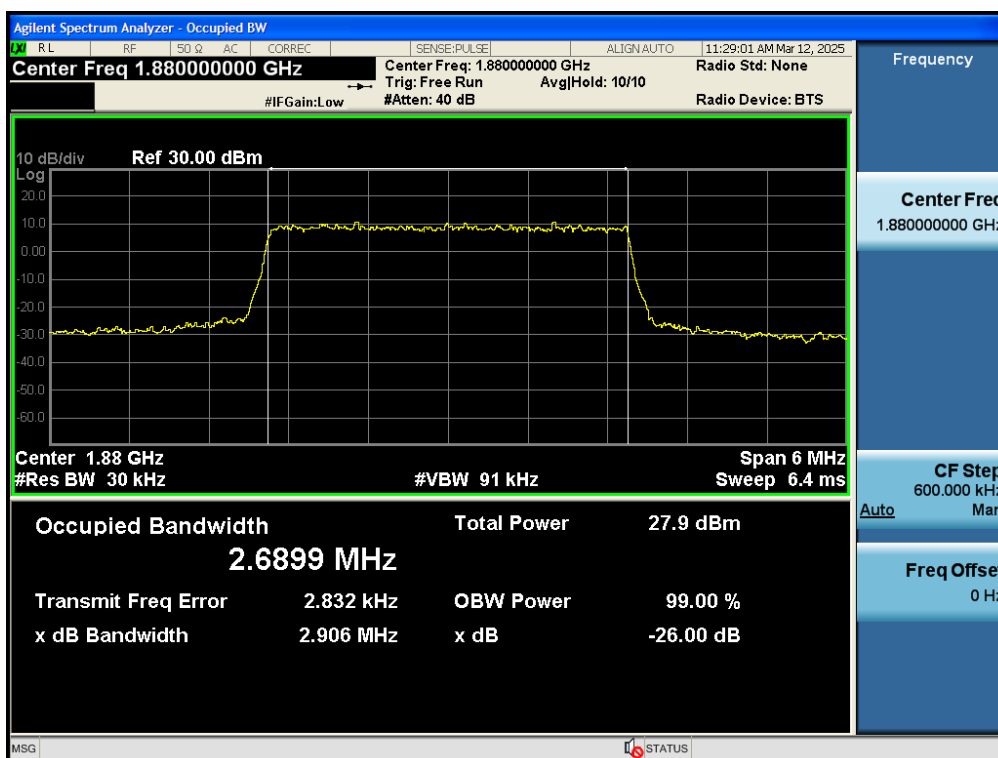
Test_Graph_band2_1851.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



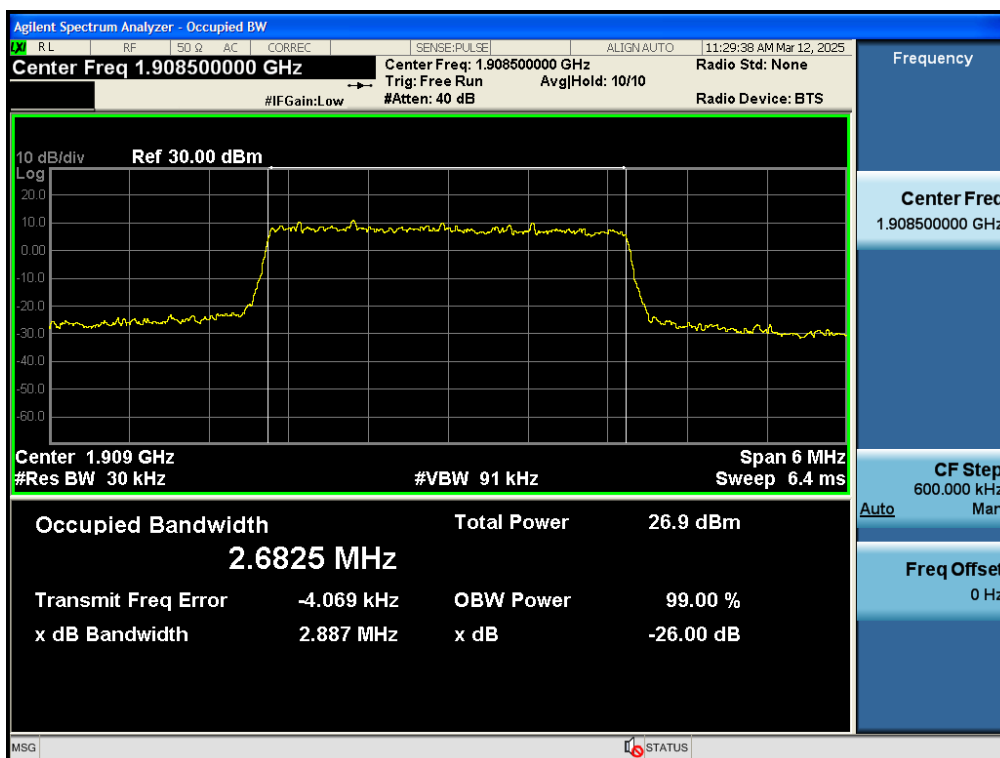
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



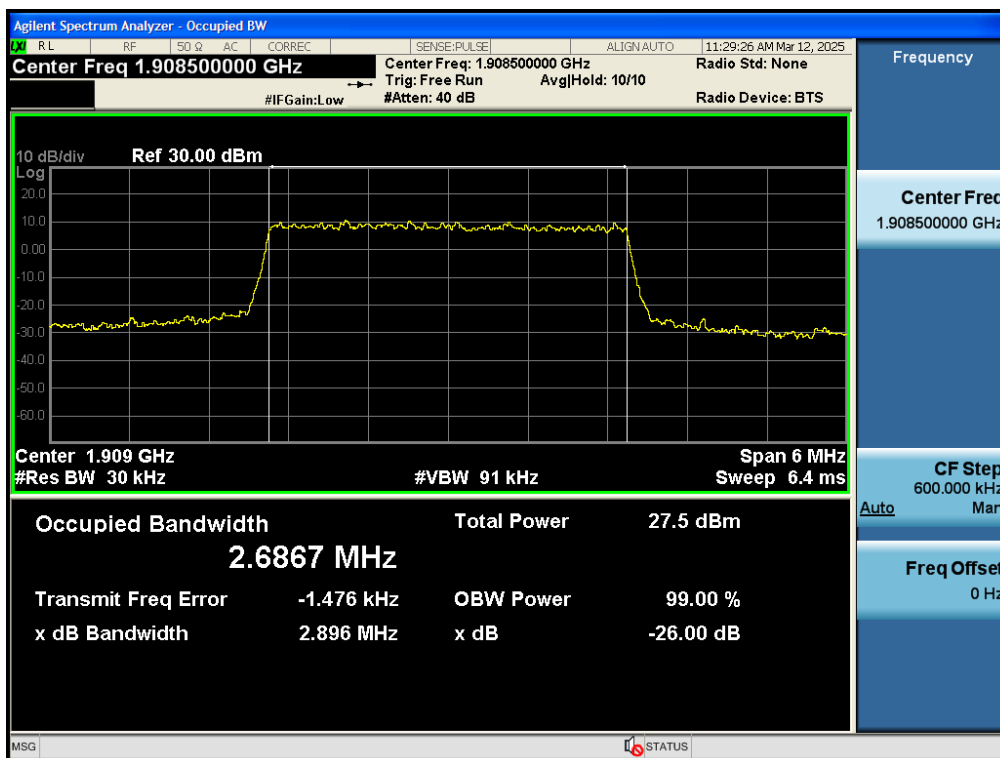
Test_Graph_band2_1880MHz_3M_16QAM_15RB#LOW_OBW&EBW



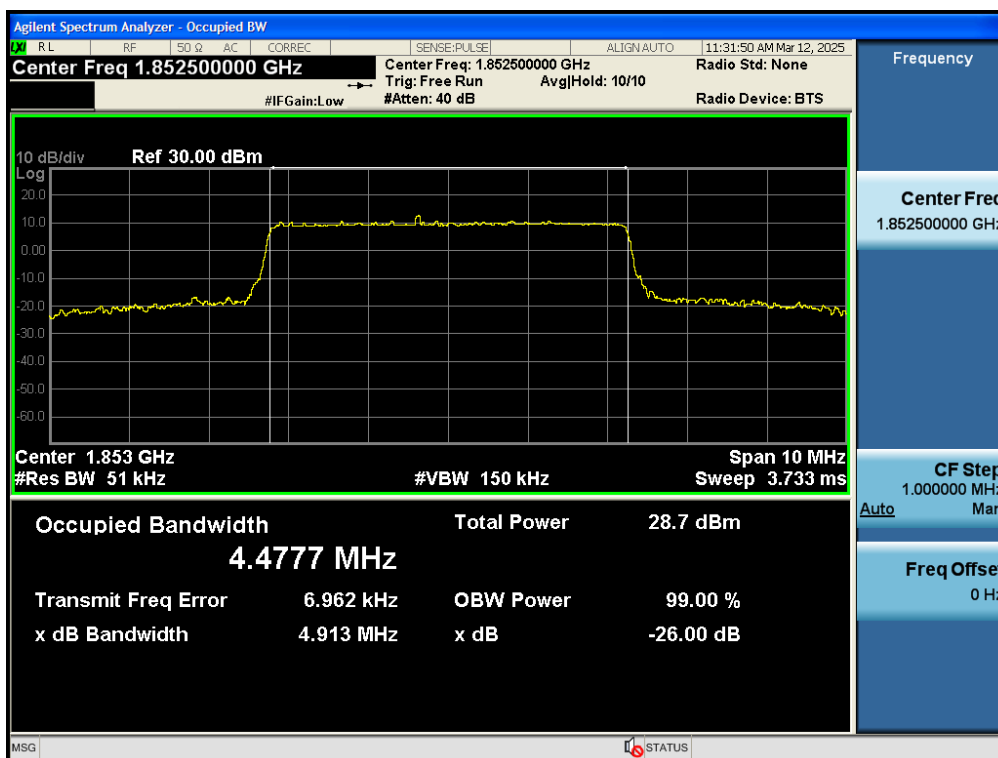
Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_OBW&EBW



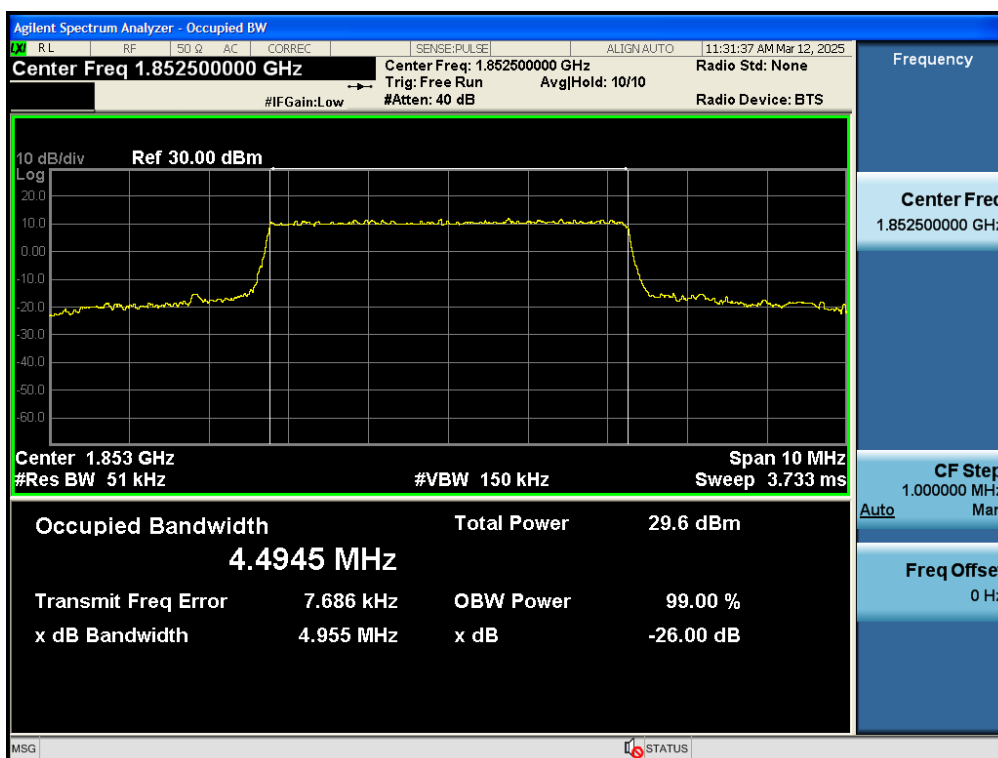
Test_Graph_band2_1908.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



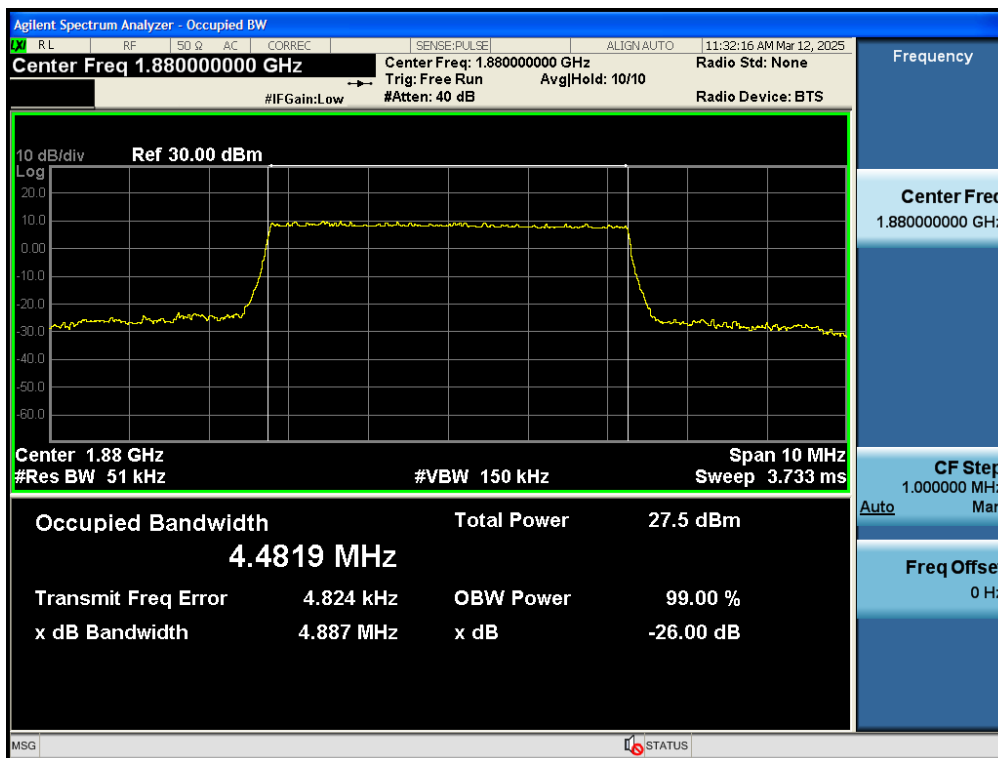
Test_Graph_band2_1908.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



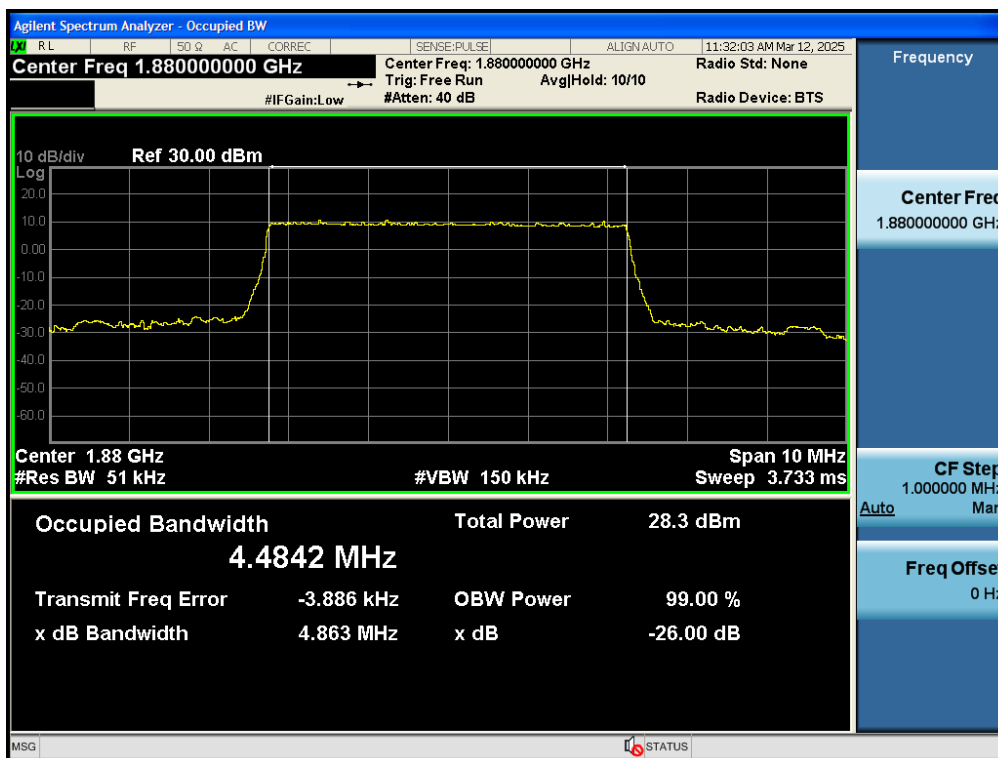
Test_Graph_band2_1852.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



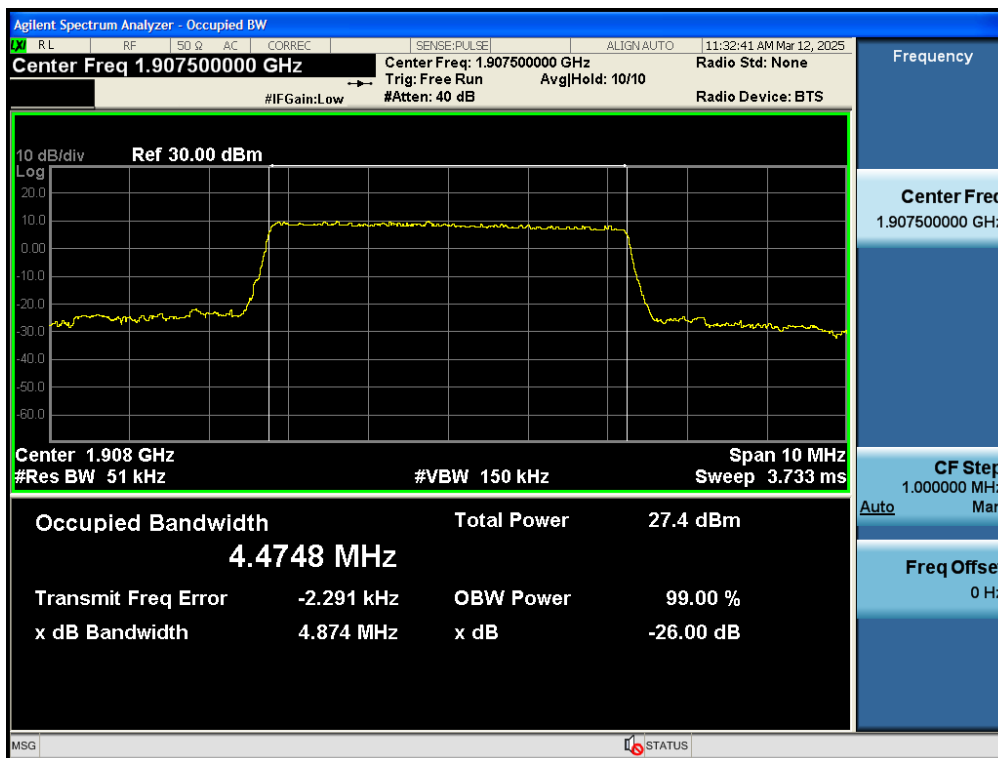
Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



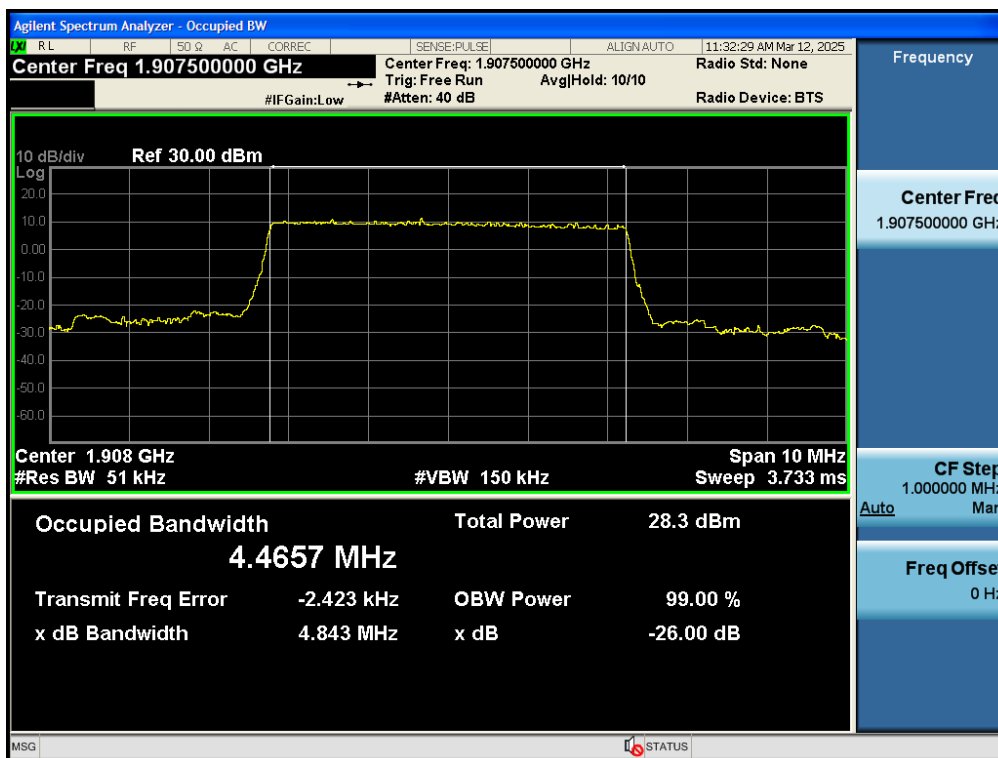
Test_Graph_band2_1880MHz_5M_16QAM_25RB#LOW_OBW&EBW



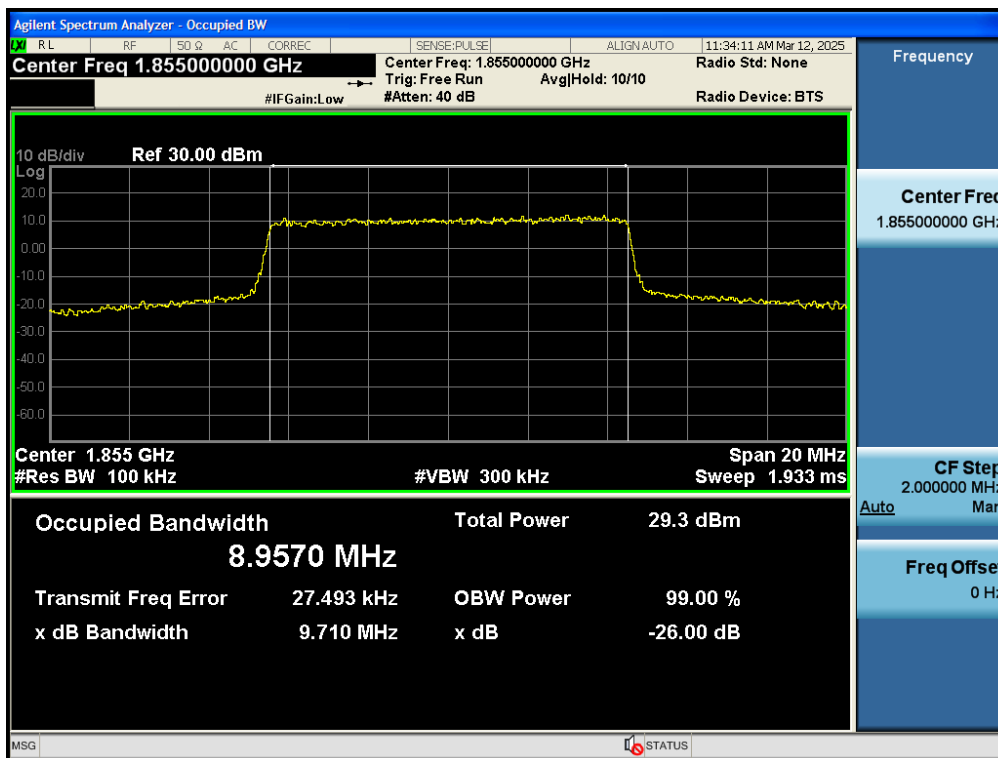
Test_Graph_band2_1880MHz_5M_QPSK_25RB#LOW_OBW&EBW



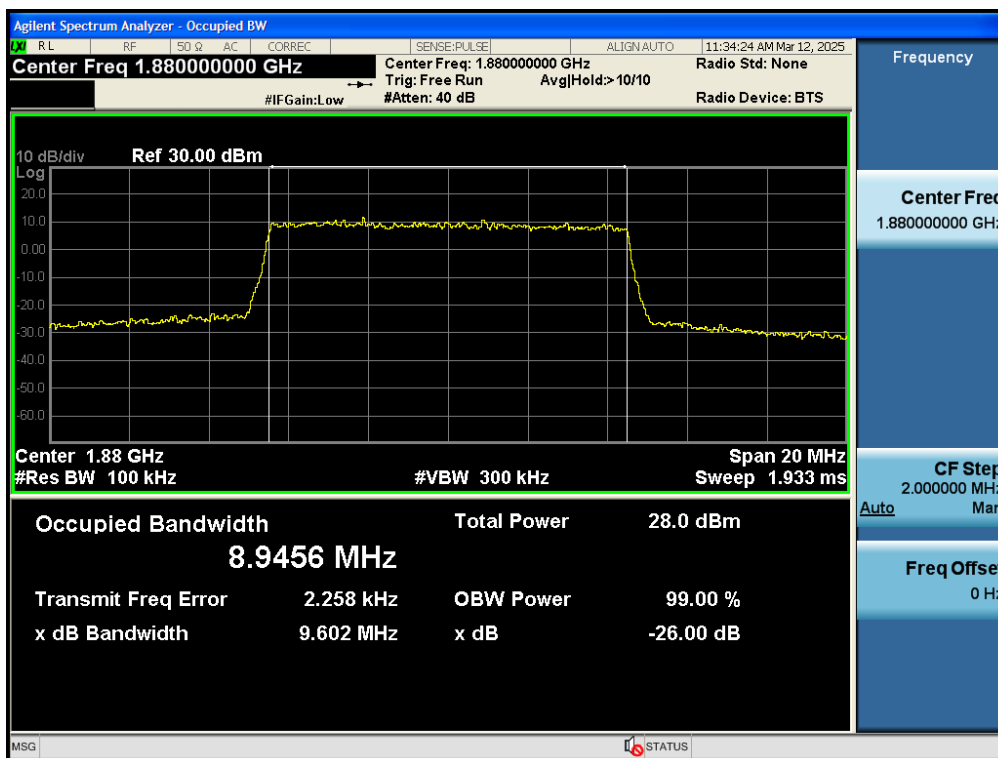
Test_Graph_band2_1907.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



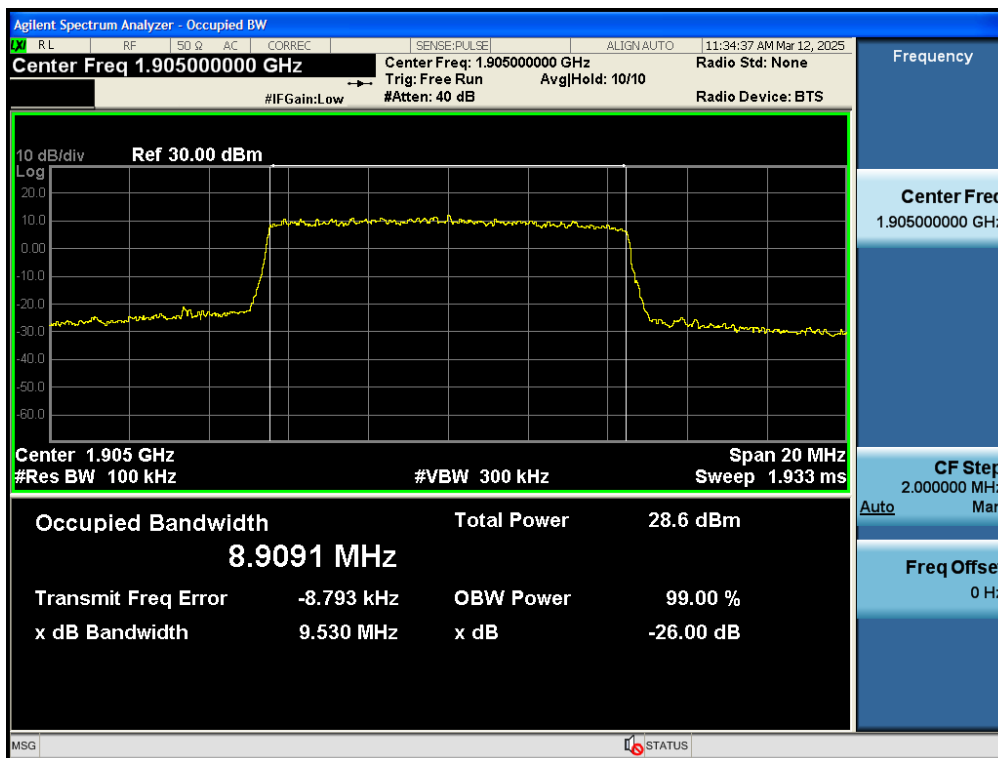
Test_Graph_band2_1907.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



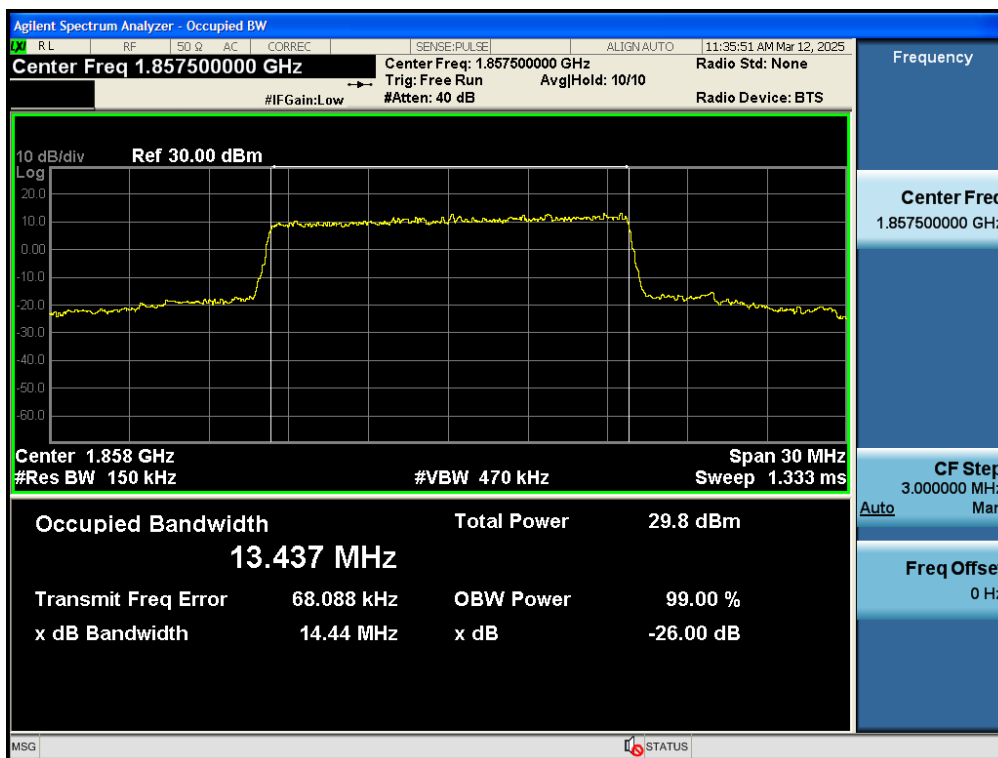
Test_Graph_band2_1855MHz_10M_QPSK_50RB#LOW_OBW&EBW



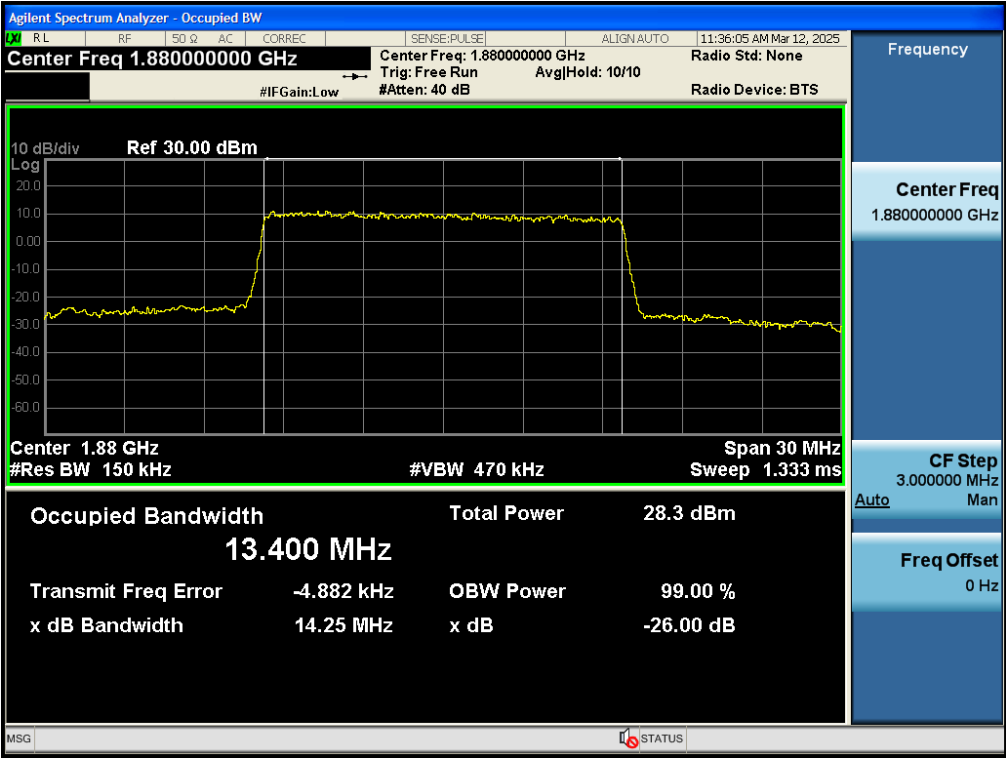
Test_Graph_band2_1880MHz_10M_QPSK_50RB#LOW_OBW&EBW



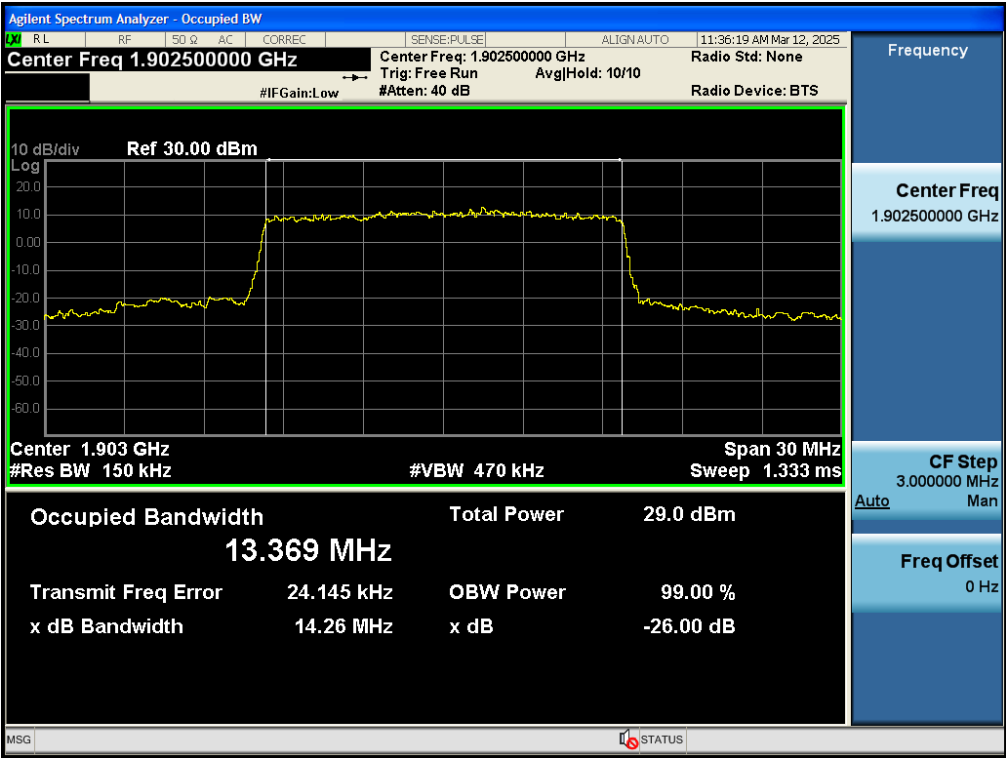
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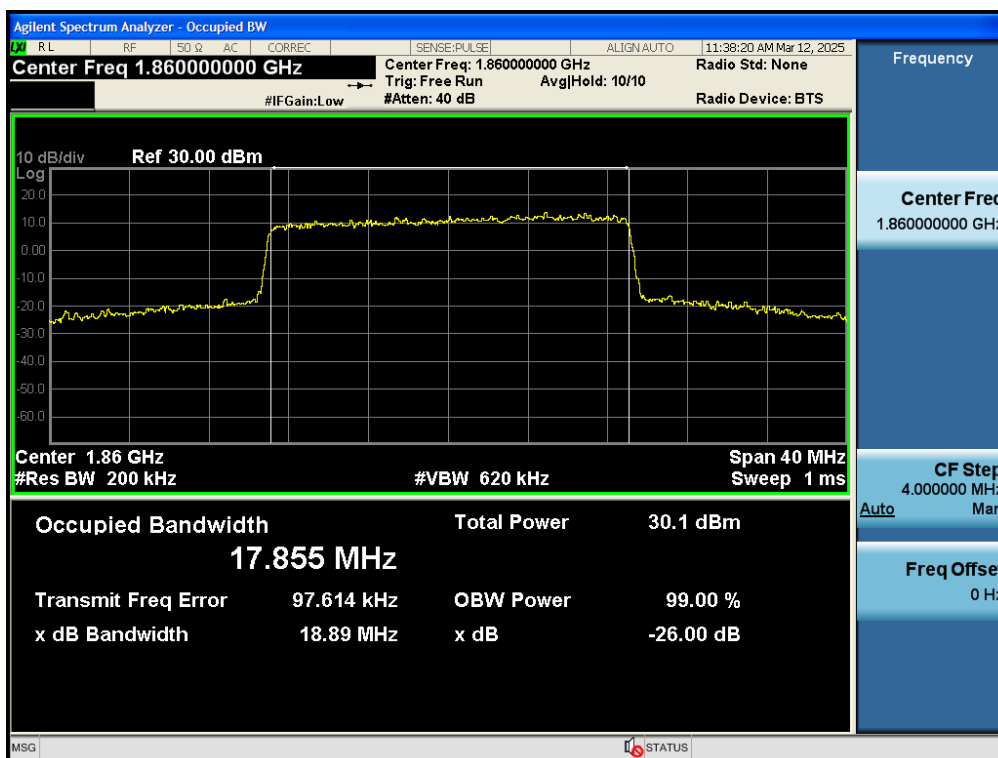
Test_Graph_band2_1857.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



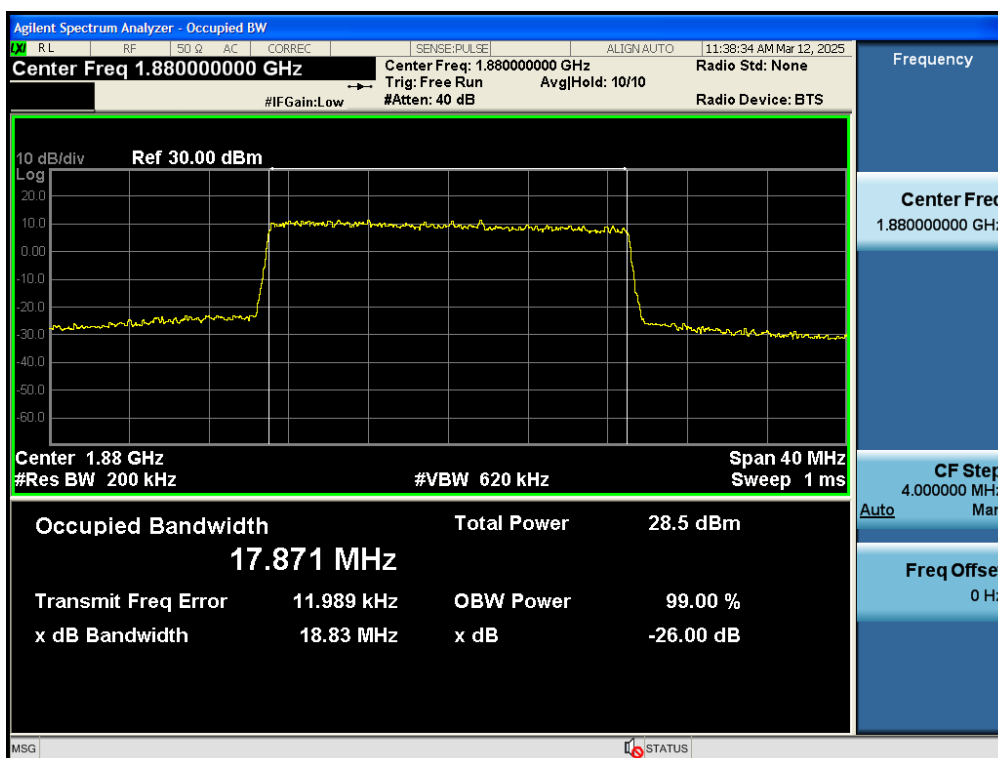
Test_Graph_band2_1880MHz_15M_QPSK_75RB#LOW_OBW&EBW



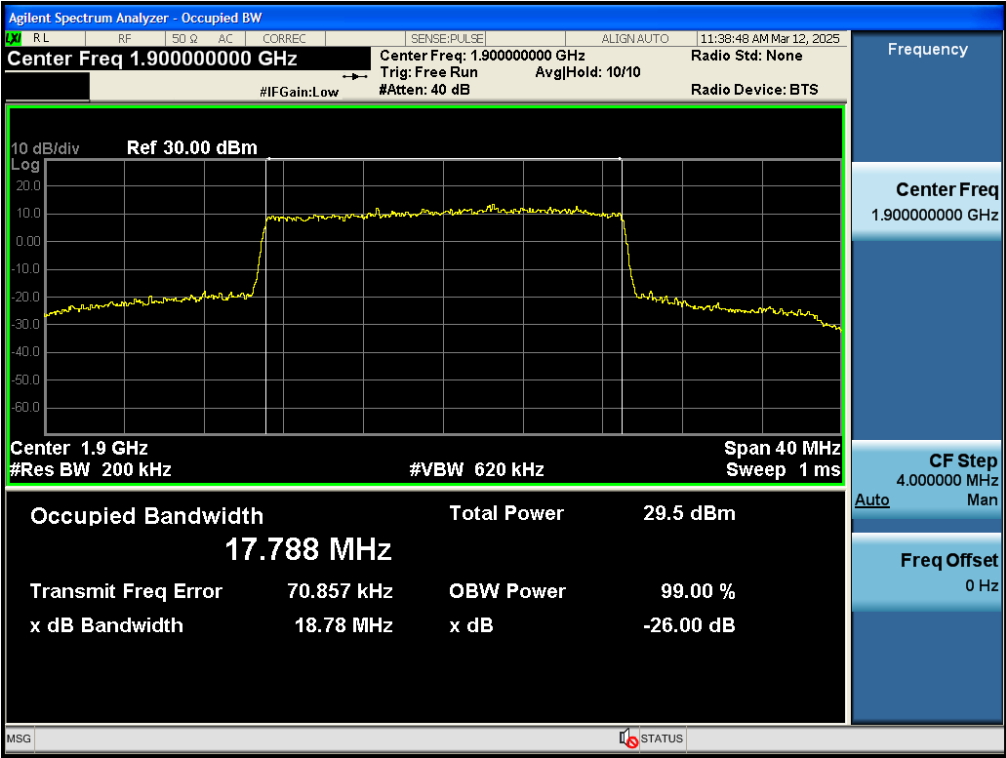
Test_Graph_band2_1902.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_OBW&EBW

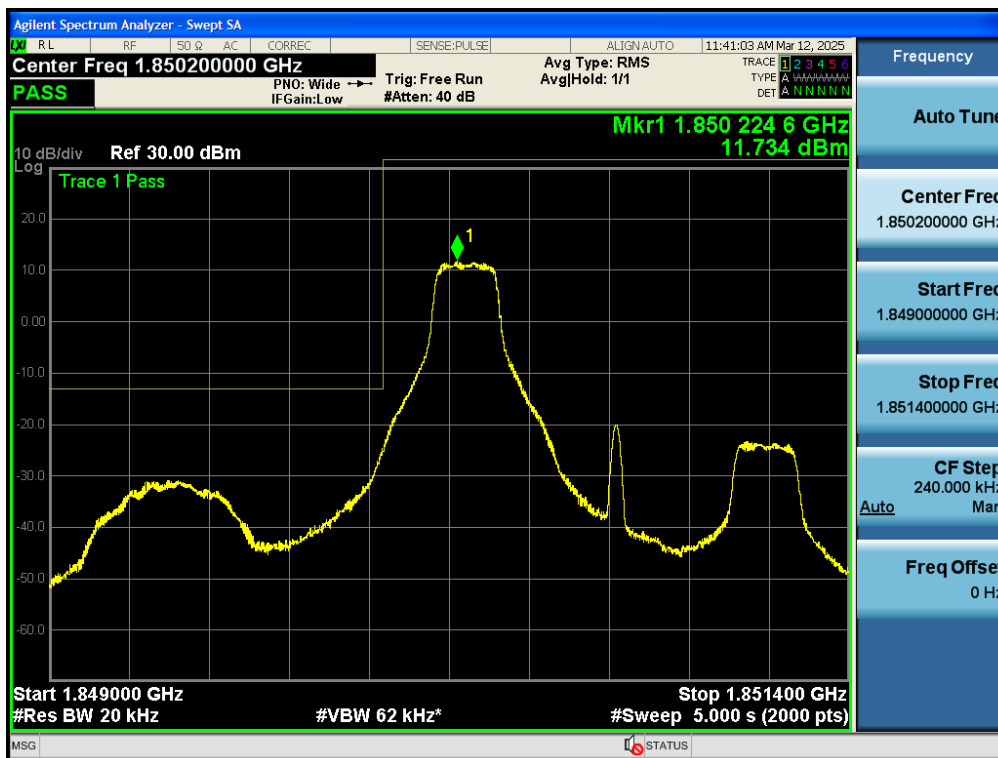
Appendix C: Band edge emissions

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
2	1.4	1850.7	QPSK	1	LOW	Pass
2	1.4	1850.7	QPSK	6	LOW	Pass
2	1.4	1850.7	16QAM	1	LOW	Pass
2	1.4	1850.7	16QAM	6	LOW	Pass
2	1.4	1909.3	QPSK	1	HIGH	Pass
2	1.4	1909.3	QPSK	6	LOW	Pass
2	1.4	1909.3	16QAM	1	HIGH	Pass
2	1.4	1909.3	16QAM	6	LOW	Pass
2	3	1851.5	QPSK	1	LOW	Pass
2	3	1851.5	QPSK	15	LOW	Pass
2	3	1851.5	16QAM	1	LOW	Pass
2	3	1851.5	16QAM	15	LOW	Pass
2	3	1908.5	QPSK	1	HIGH	Pass
2	3	1908.5	QPSK	15	LOW	Pass
2	3	1908.5	16QAM	1	HIGH	Pass
2	3	1908.5	16QAM	15	LOW	Pass
2	5	1852.5	QPSK	1	LOW	Pass
2	5	1852.5	QPSK	25	LOW	Pass
2	5	1852.5	16QAM	1	LOW	Pass
2	5	1852.5	16QAM	25	LOW	Pass
2	5	1907.5	QPSK	1	HIGH	Pass
2	5	1907.5	QPSK	25	LOW	Pass
2	5	1907.5	16QAM	1	HIGH	Pass
2	5	1907.5	16QAM	25	LOW	Pass
2	10	1855	QPSK	1	LOW	Pass
2	10	1855	QPSK	50	LOW	Pass
2	10	1855	16QAM	1	LOW	Pass
2	10	1905	QPSK	1	HIGH	Pass
2	10	1905	QPSK	50	LOW	Pass
2	10	1905	16QAM	1	HIGH	Pass
2	15	1857.5	QPSK	1	LOW	Pass
2	15	1857.5	QPSK	75	LOW	Pass
2	15	1857.5	16QAM	1	LOW	Pass
2	15	1902.5	QPSK	1	HIGH	Pass
2	15	1902.5	QPSK	75	LOW	Pass
2	15	1902.5	16QAM	1	HIGH	Pass
2	20	1860	QPSK	1	LOW	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
2	20	1860	QPSK	100	LOW	Pass
2	20	1860	16QAM	1	LOW	Pass
2	20	1900	QPSK	1	HIGH	Pass
2	20	1900	QPSK	100	LOW	Pass
2	20	1900	16QAM	1	HIGH	Pass

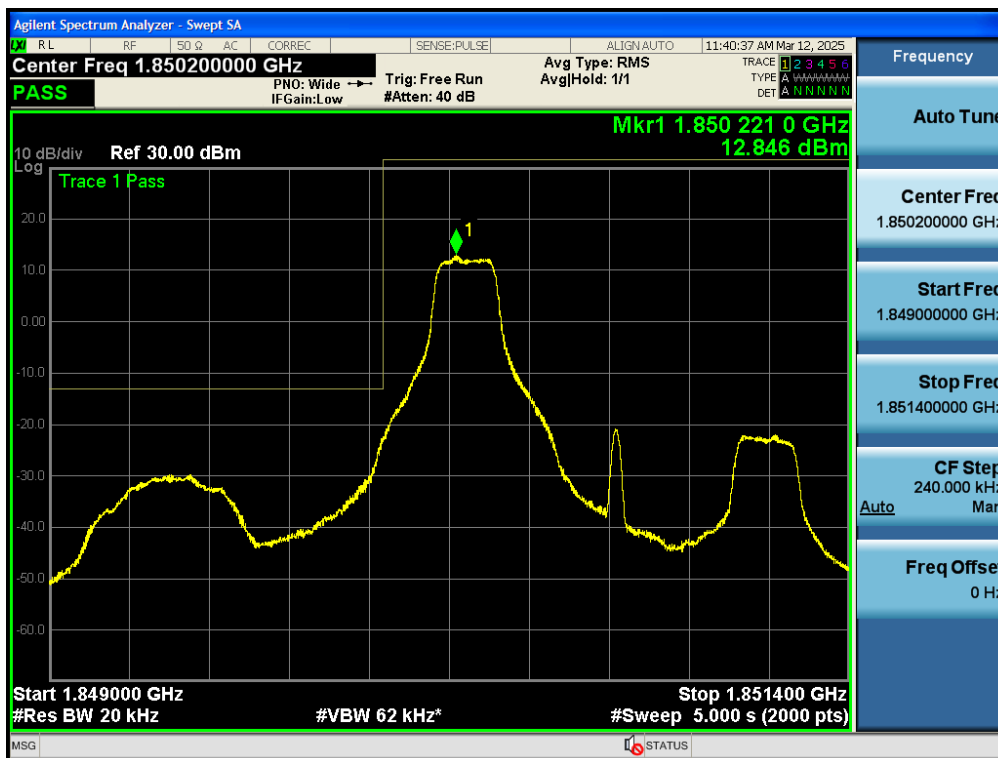
Test Graphs



Test_Graph_band2_1850.7MHz_1.4M_16QAM_1RB#LOW_Band edge



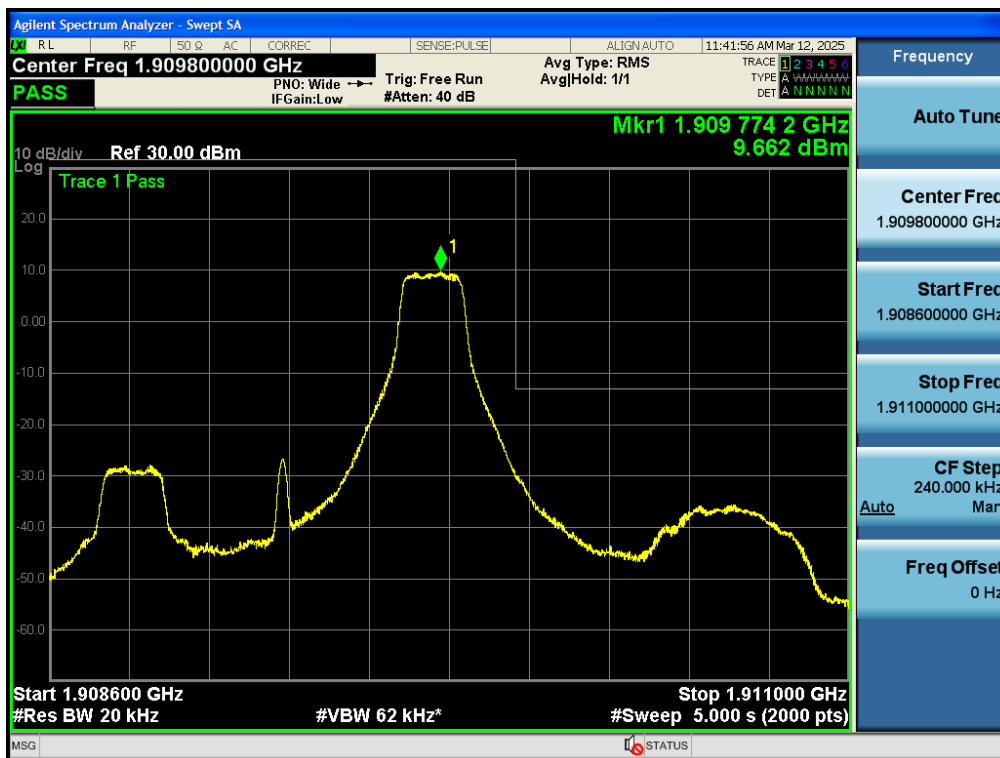
Test_Graph_band2_1850.7MHz_1.4M_16QAM_6RB#LOW_Band edge



Test_Graph_band2_1850.7MHz_1.4M_QPSK_1RB#LOW_Band edge



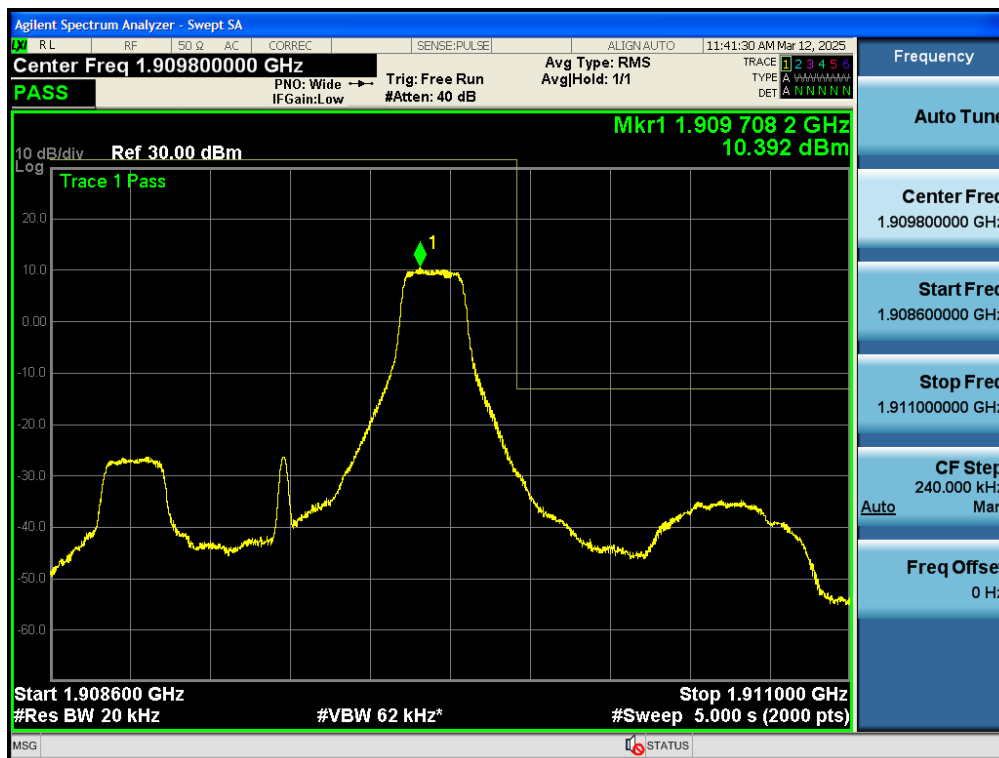
Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_Band edge



Test_Graph_band2_1909.3MHz_1.4M_16QAM_1RB#HIGH_Band edge



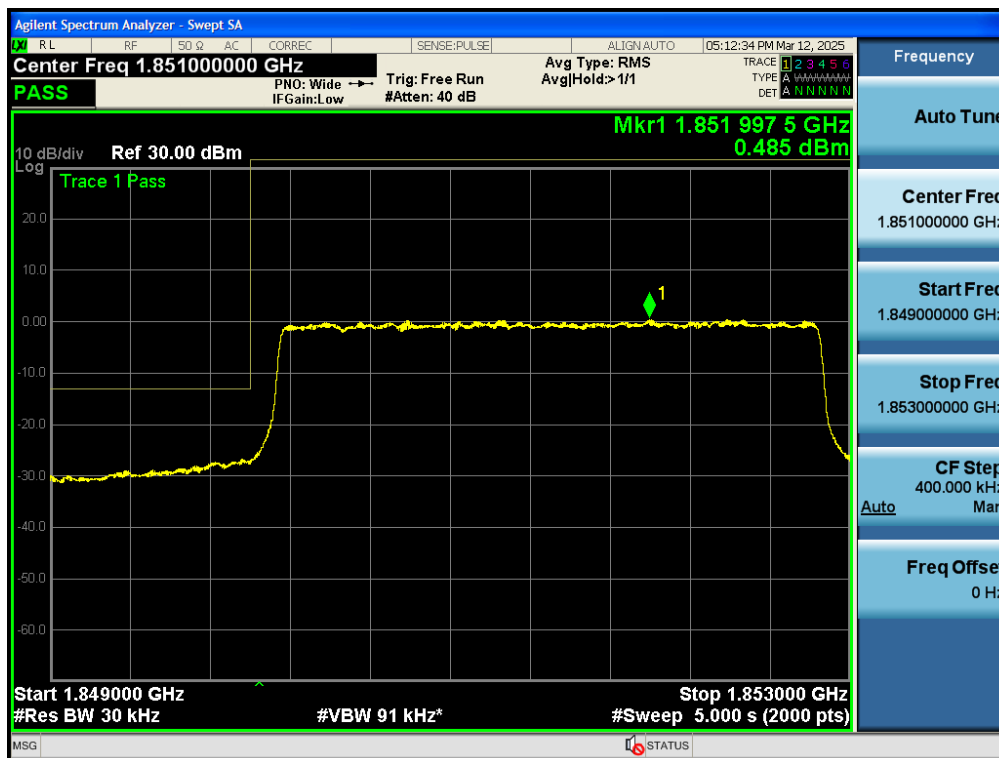
Test_Graph_band2_1909.3MHz_1.4M_16QAM_6RB#LOW_Band edge



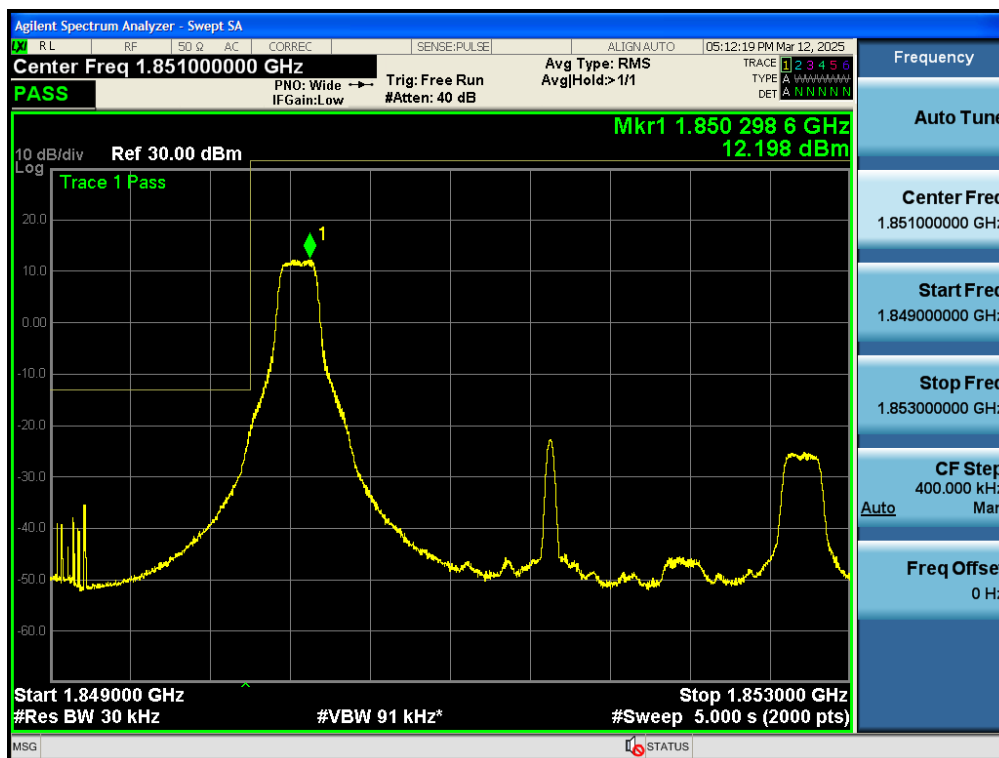
Test_Graph_band2_1909.3MHz_1.4M_QPSK_1RB#HIGH_Band edge



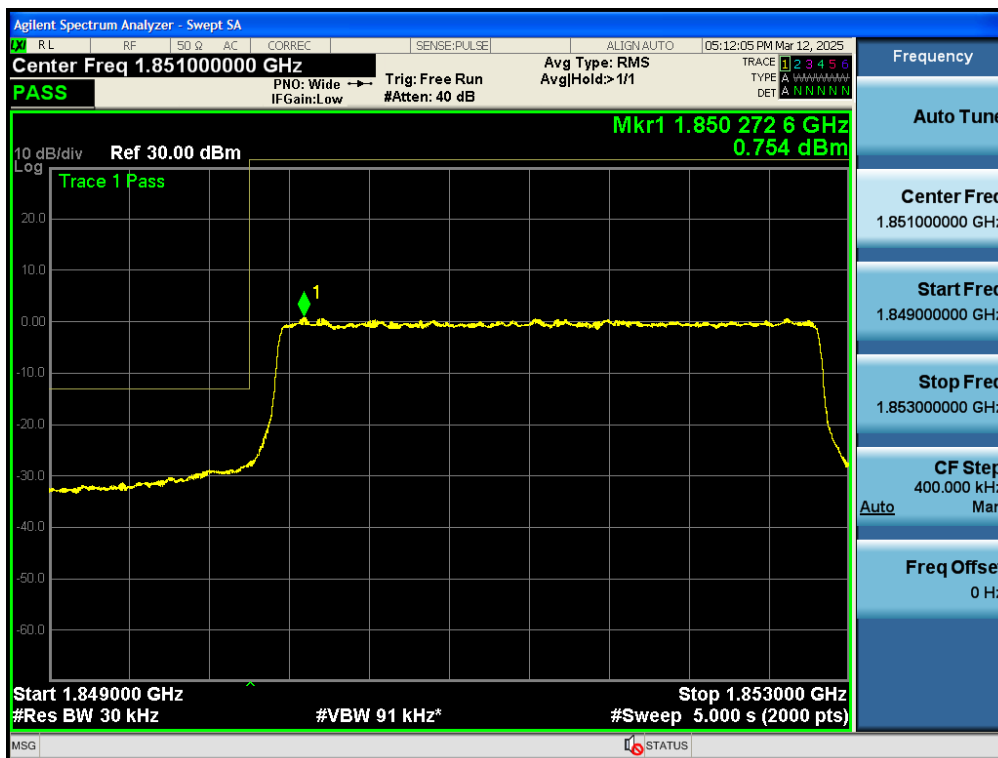
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_Band edge



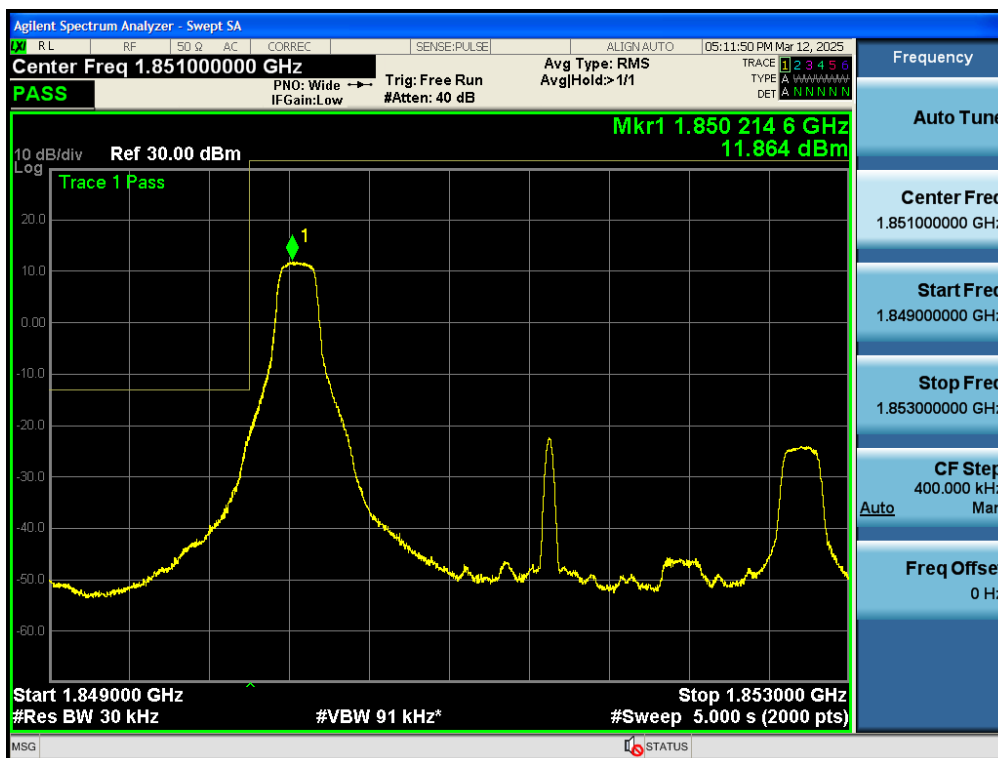
Test_Graph_band2_1851.5MHz_3M_16QAM_15RB#LOW_Band edge



Test_Graph_band2_1851.5MHz_3M_16QAM_1RB#LOW_Band edge



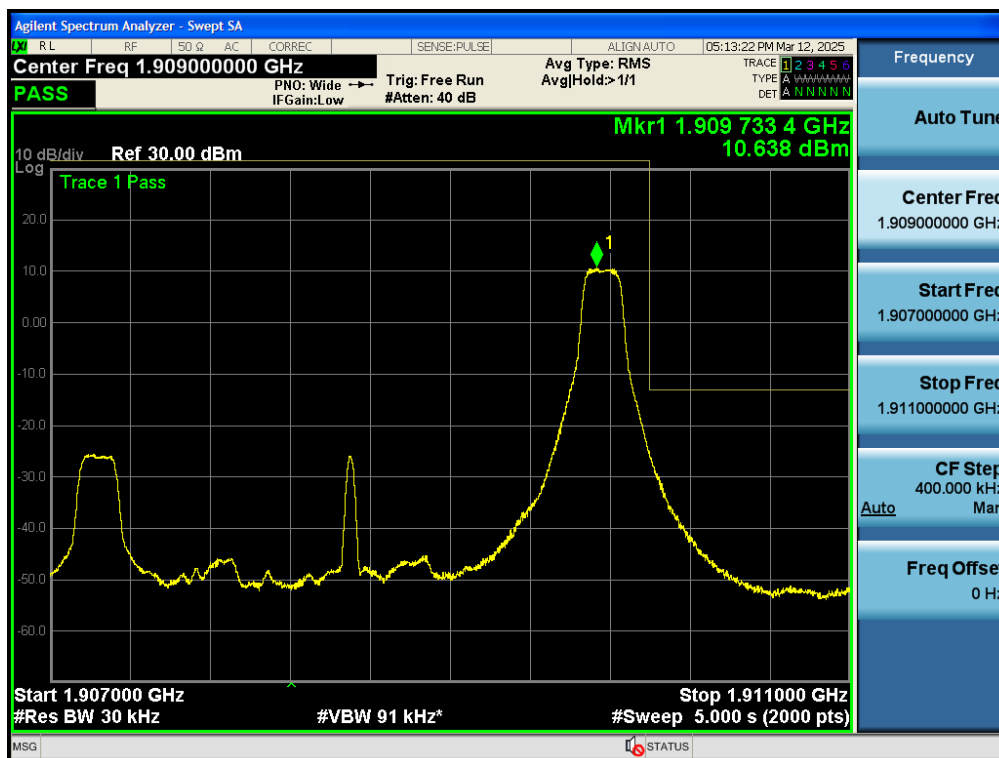
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band2_1851.5MHz_3M_QPSK_1RB#LOW_Band edge



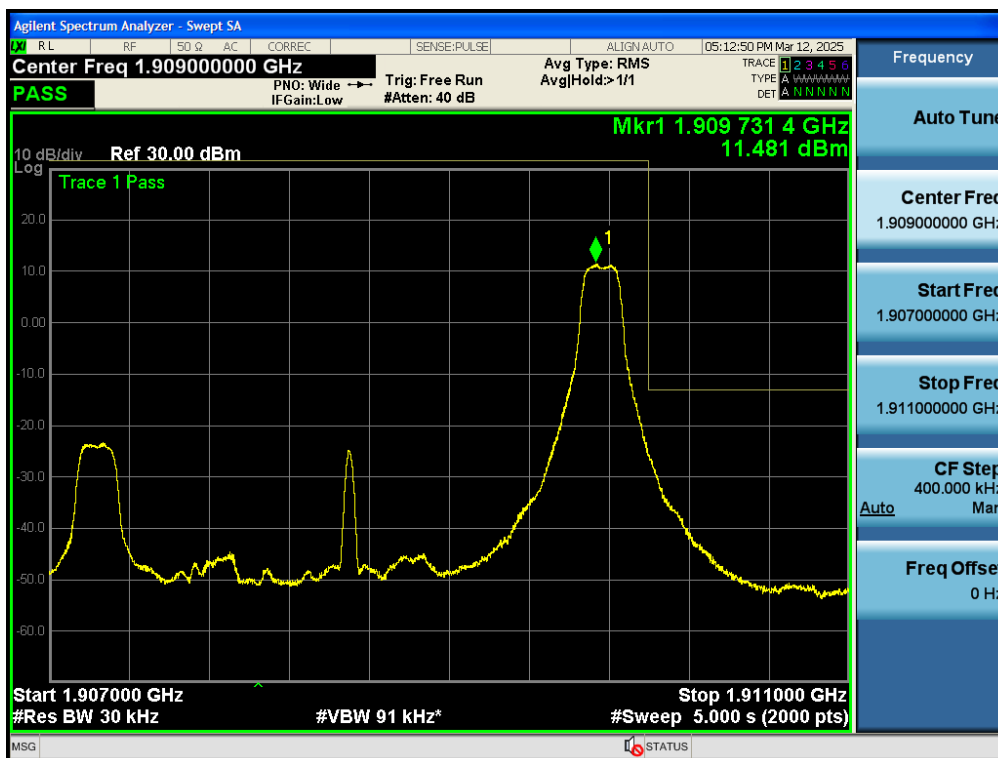
Test_Graph_band2_1908.5MHz_3M_16QAM_15RB#LOW_Band edge



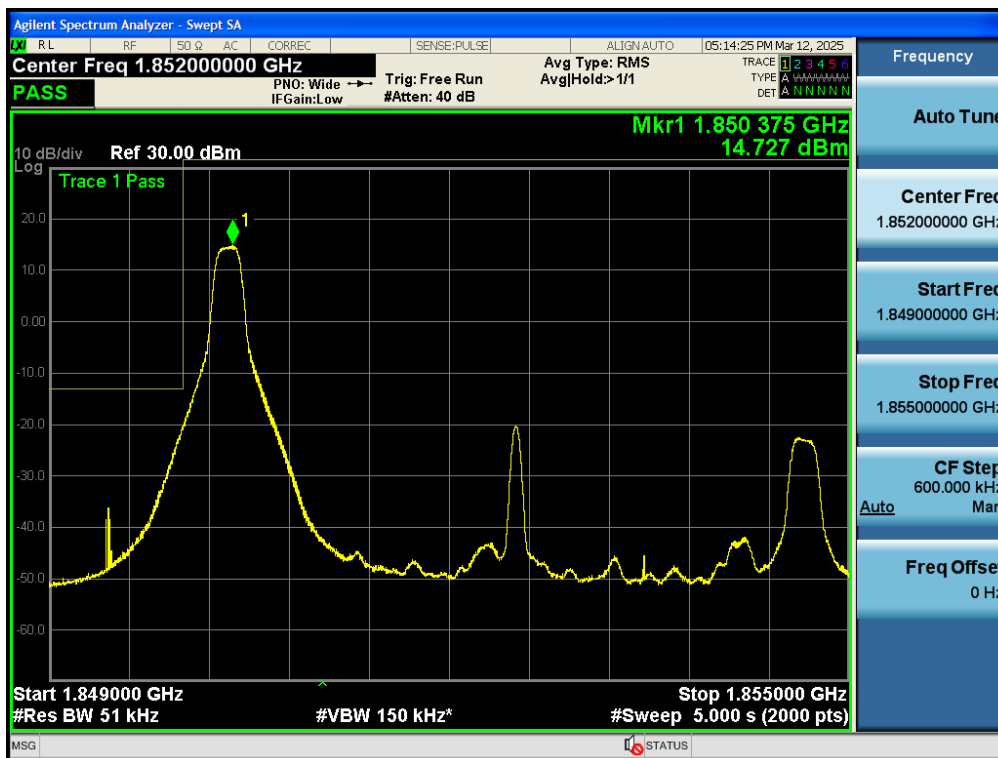
Test_Graph_band2_1908.5MHz_3M_16QAM_1RB#HIGH_Band edge



Test_Graph_band2_1908.5MHz_3M_QPSK_15RB#LOW_Band edge



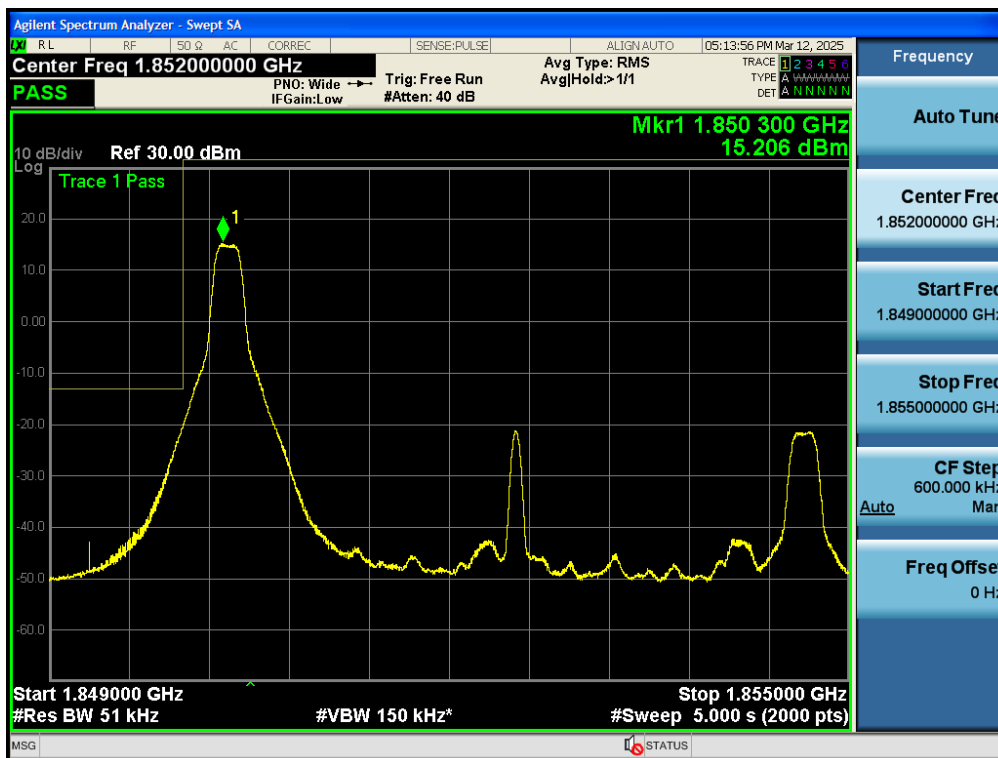
Test_Graph_band2_1908.5MHz_3M_QPSK_1RB#HIGH_Band edge



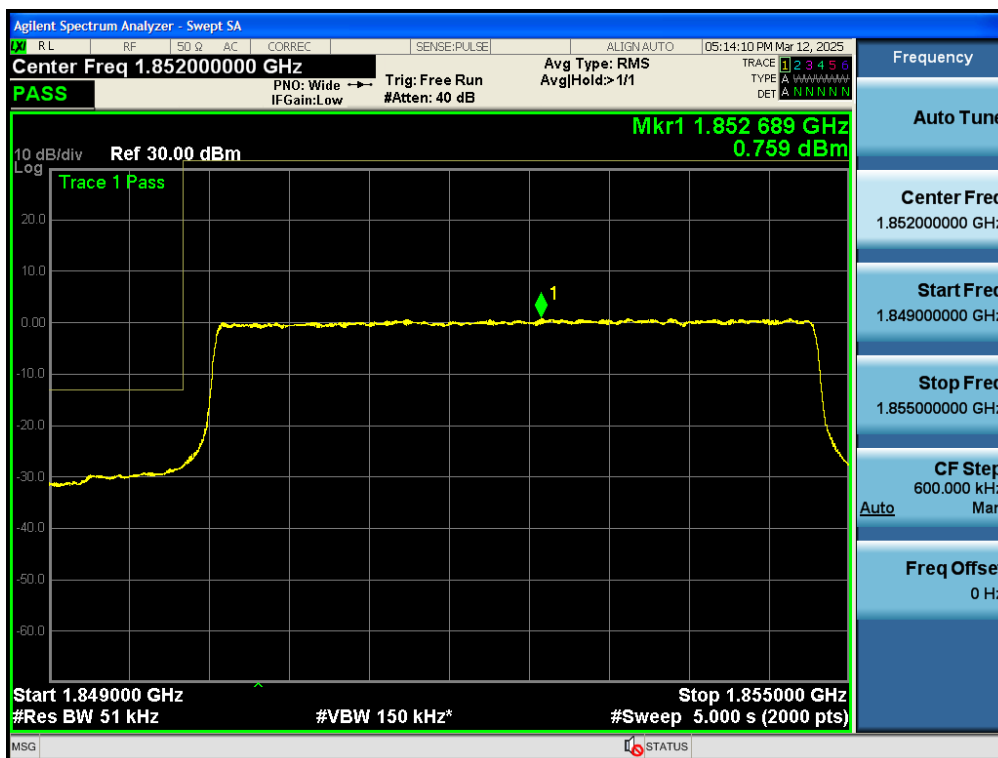
Test_Graph_band2_1852.5MHz_5M_16QAM_1RB#LOW_Band edge



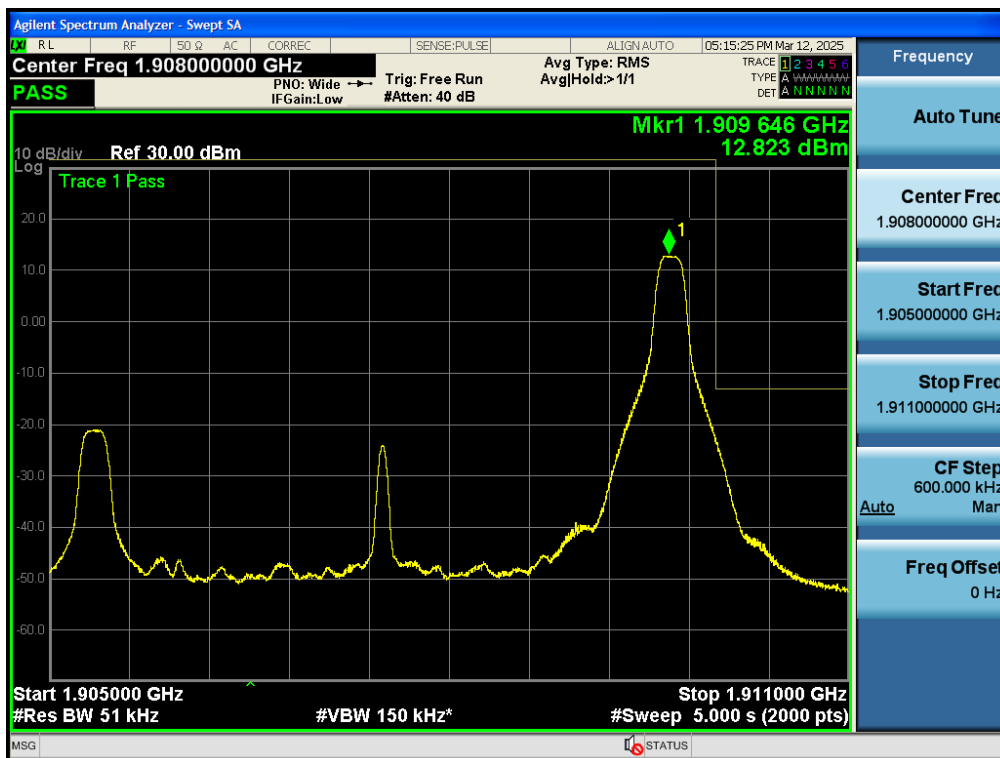
Test_Graph_band2_1852.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band2_1852.5MHz_5M_QPSK_1RB#LOW_Band edge



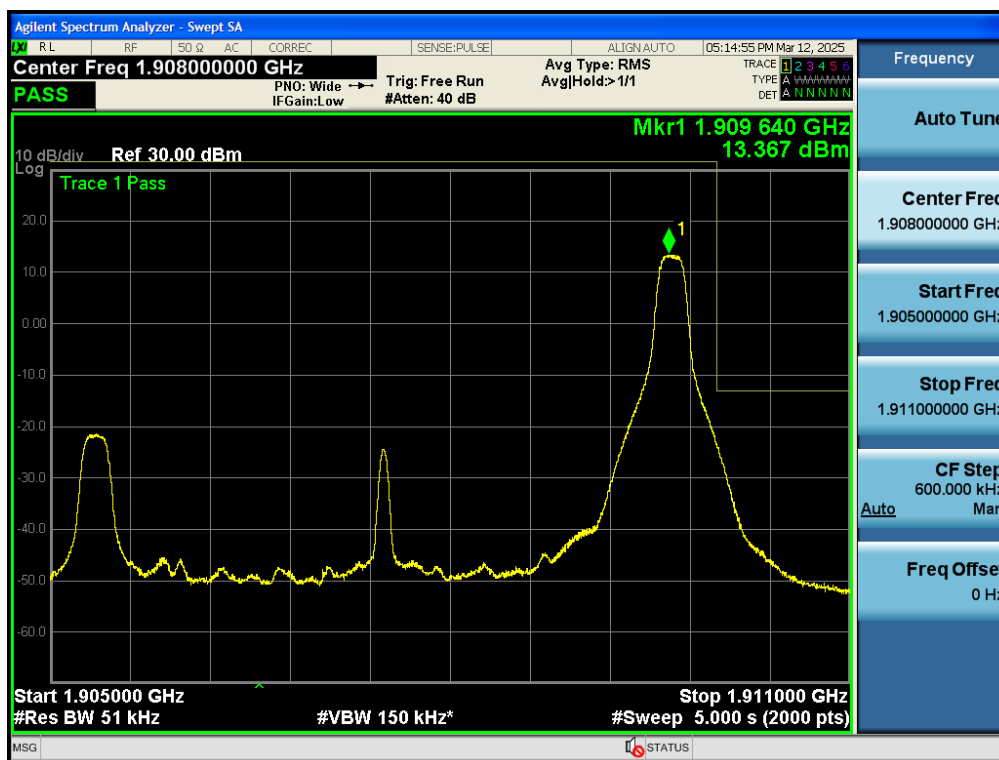
Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band2_1907.5MHz_5M_16QAM_1RB#HIGH_Band edge



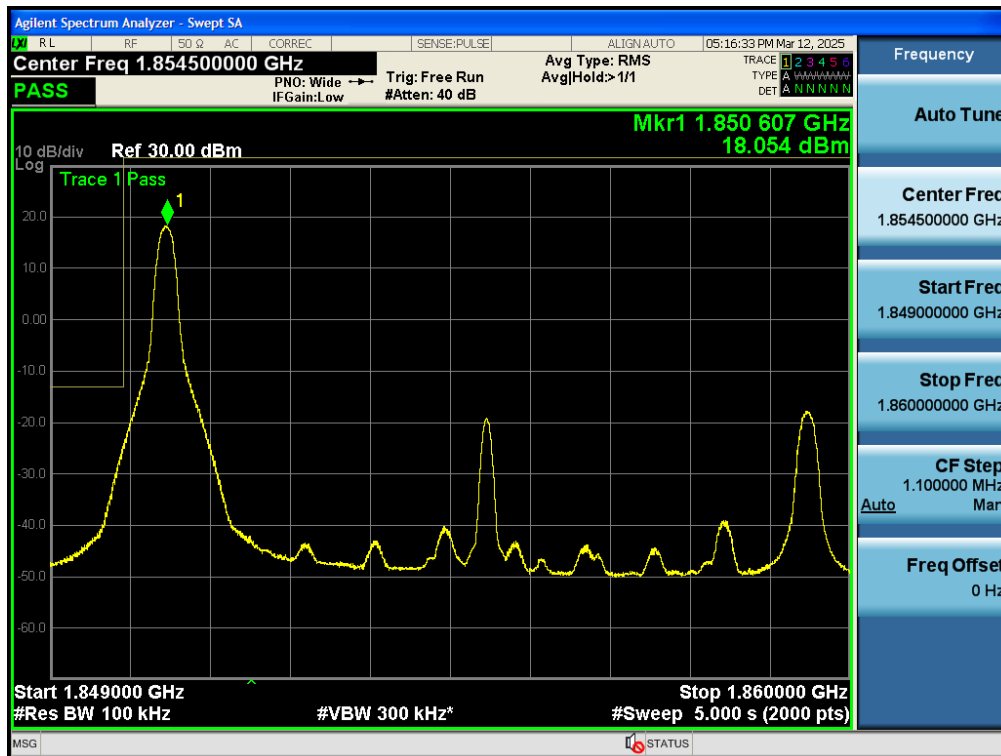
Test_Graph_band2_1907.5MHz_5M_16QAM_25RB#LOW_Band edge



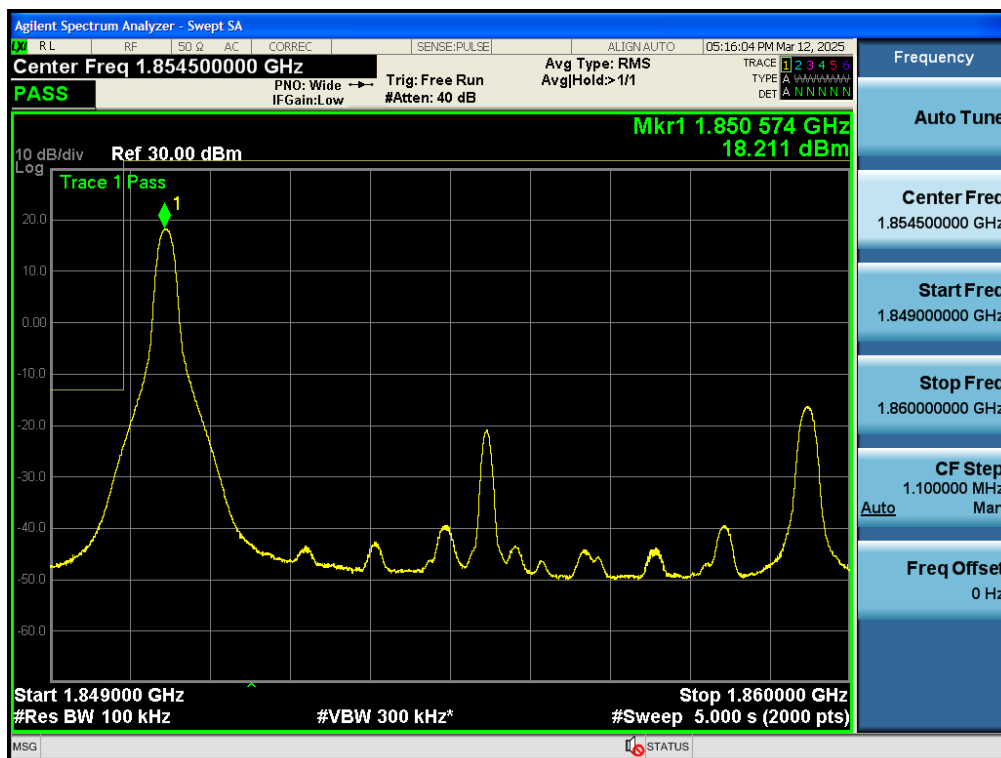
Test_Graph_band2_1907.5MHz_5M_QPSK_1RB#HIGH_Band edge



Test_Graph_band2_1907.5MHz_5M_QPSK_25RB#LOW_Band edge



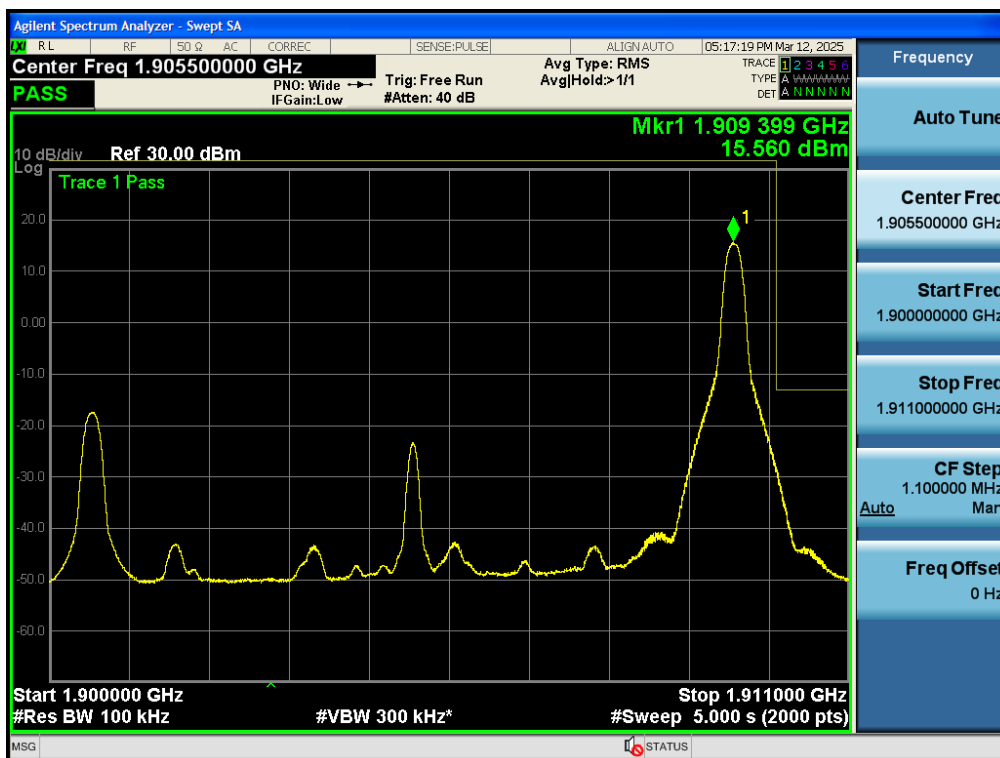
Test_Graph_band2_1855MHz_10M_16QAM_1RB#LOW_Band edge



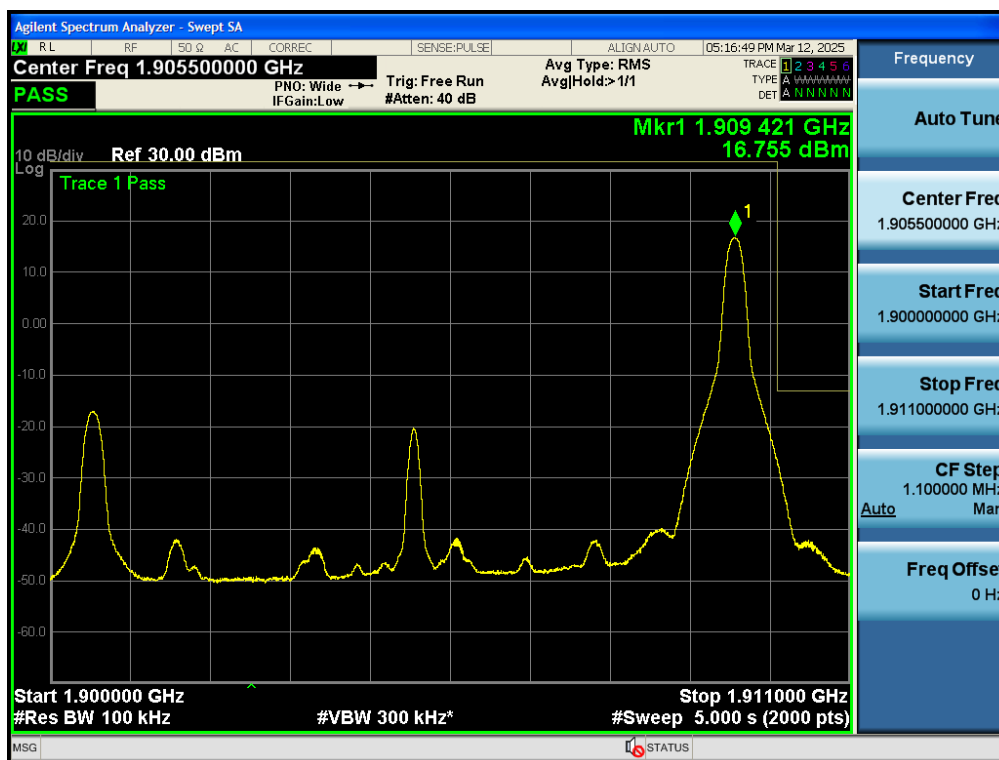
Test_Graph_band2_1855MHz_10M_QPSK_1RB#LOW_Band edge



Test_Graph_band2_1855MHz_10M_QPSK_50RB#LOW_Band edge



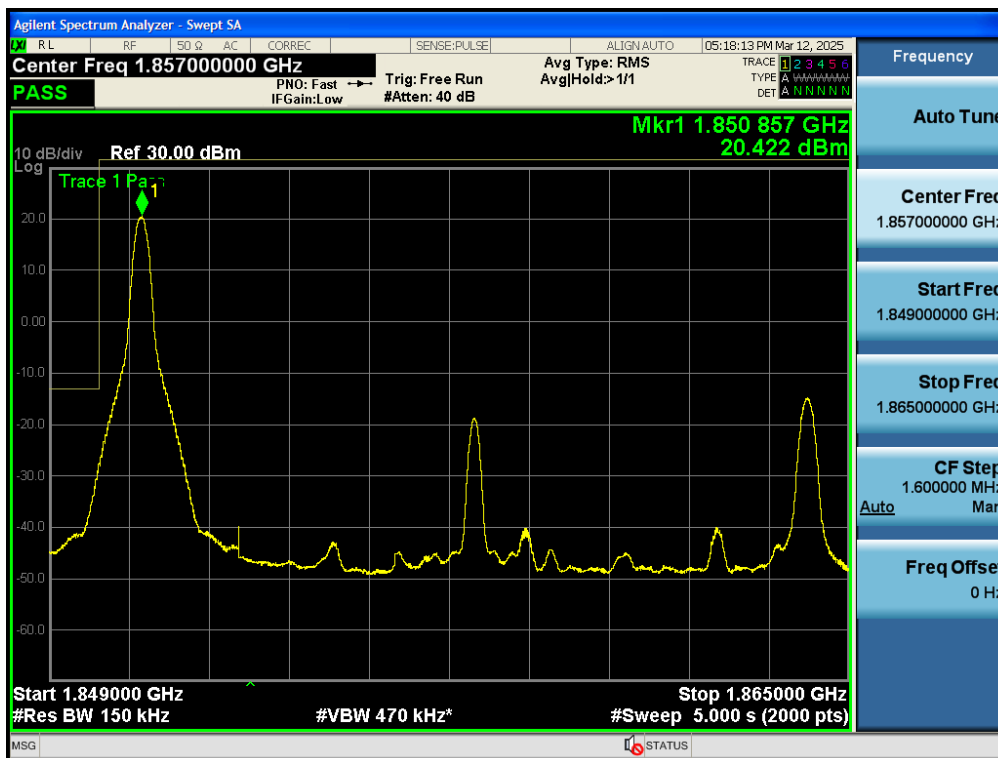
Test_Graph_band2_1905MHz_10M_16QAM_1RB#HIGH_Band edge



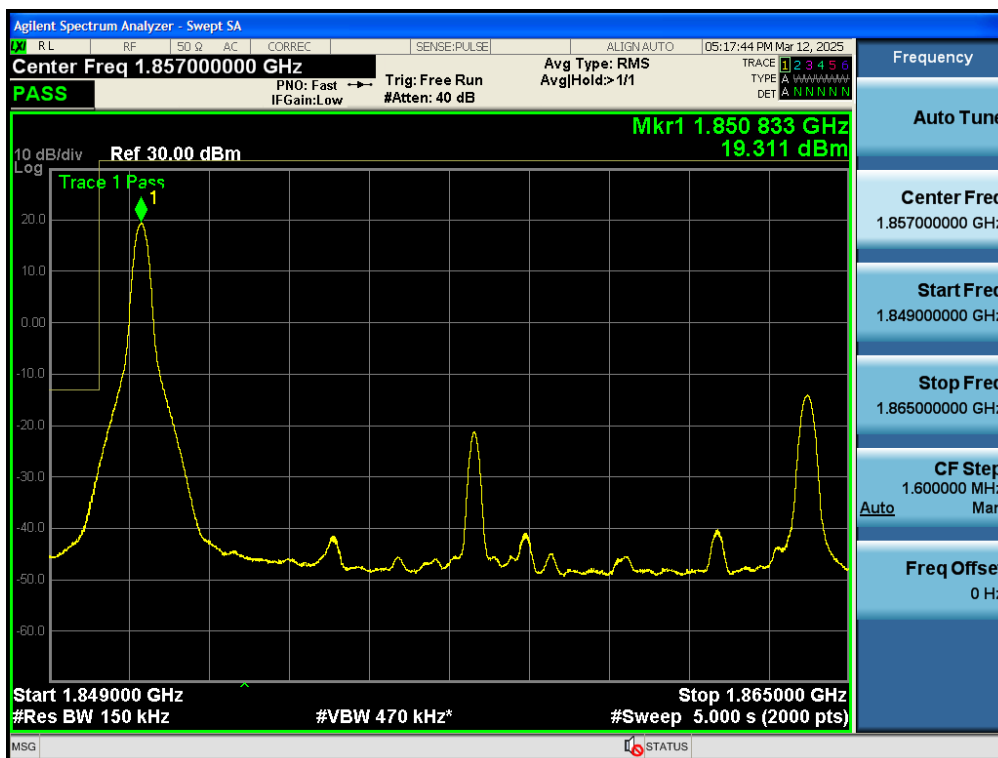
Test_Graph_band2_1905MHz_10M_QPSK_1RB#HIGH_Band edge



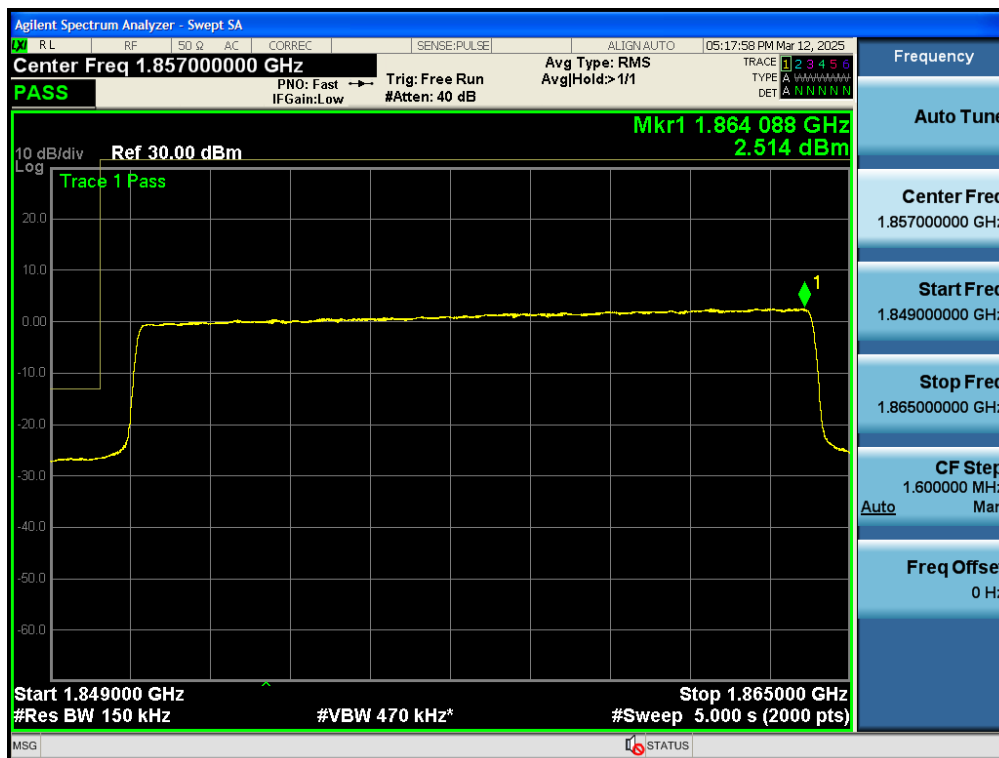
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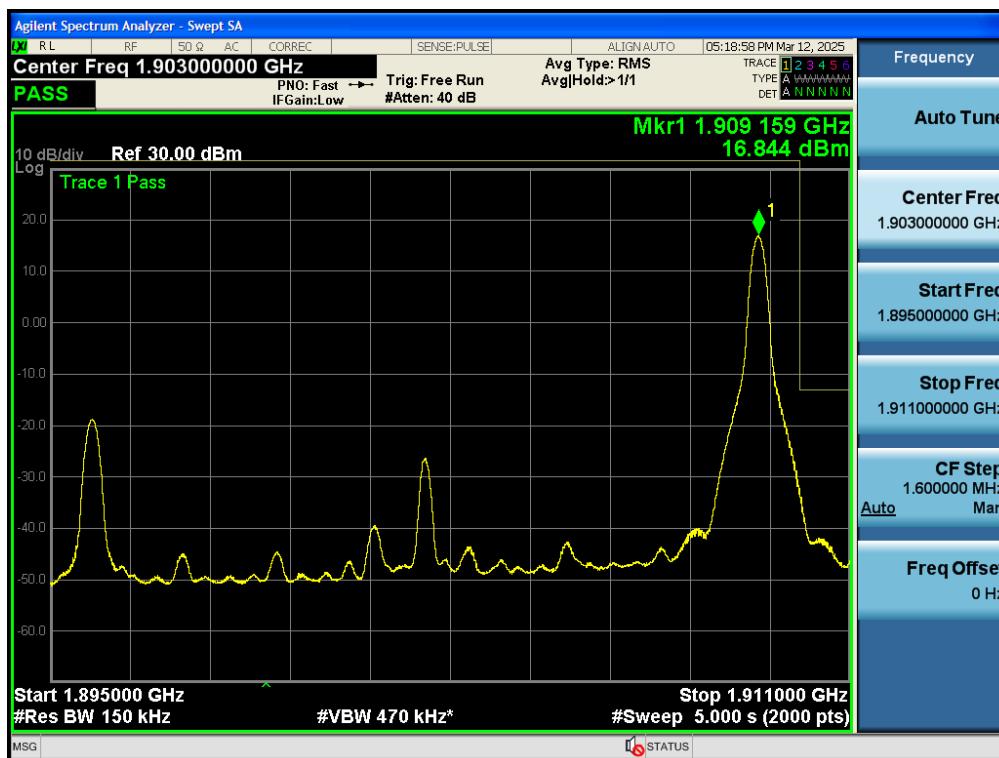
Test_Graph_band2_1857.5MHz_15M_16QAM_1RB#LOW_Band edge



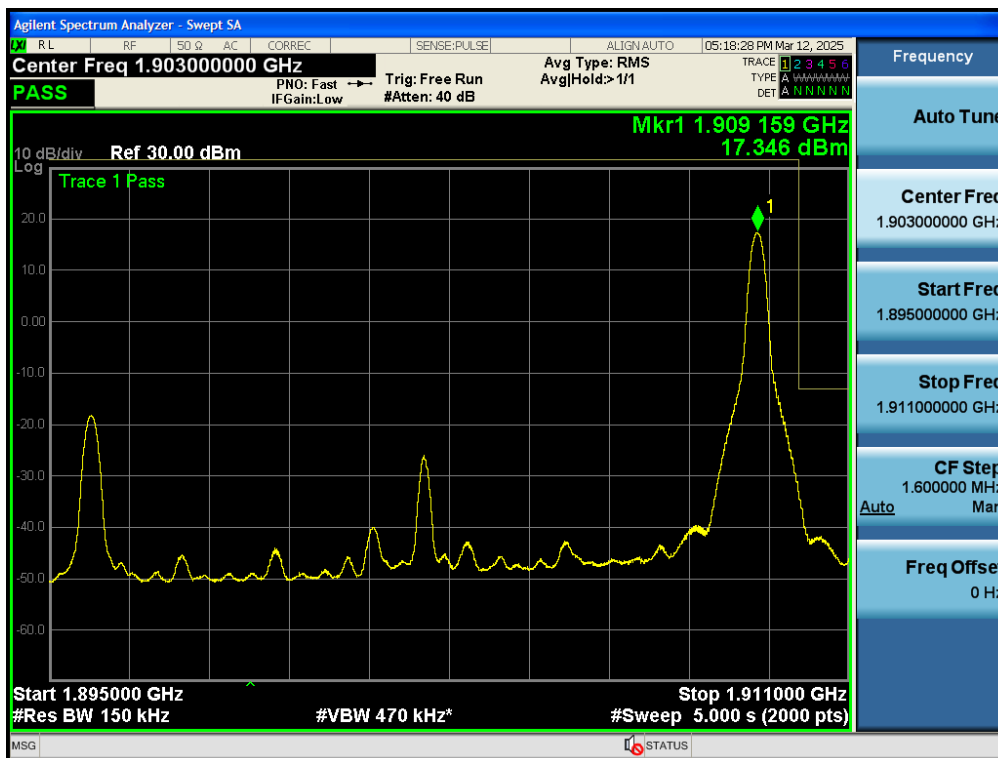
Test_Graph_band2_1857.5MHz_15M_QPSK_1RB#LOW_Band edge



Test_Graph_band2_1857.5MHz_15M_QPSK_75RB#LOW_Band edge



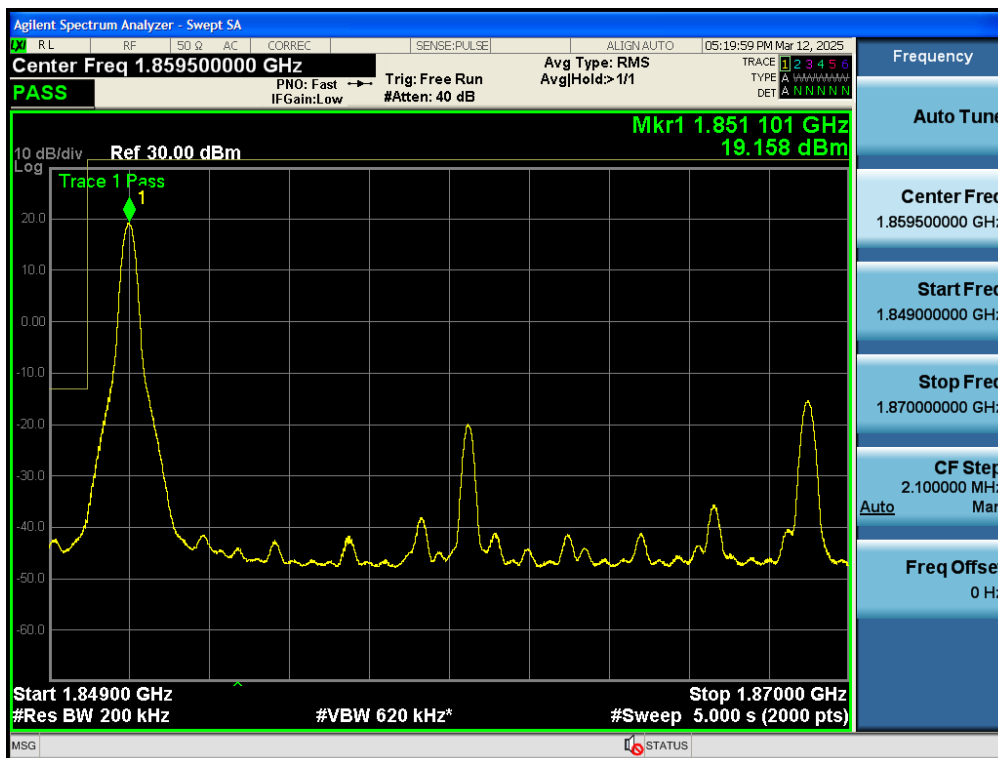
Test_Graph_band2_1902.5MHz_15M_16QAM_1RB#HIGH_Band edge



Test_Graph_band2_1902.5MHz_15M_QPSK_1RB#HIGH_Band edge



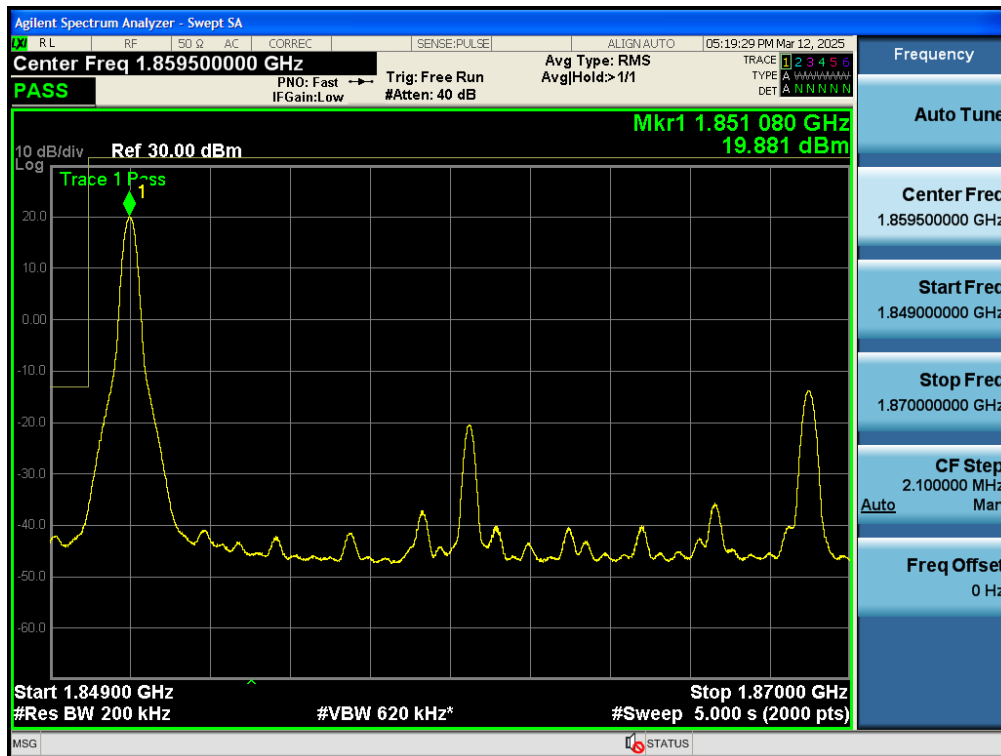
Test_Graph_band2_1902.5MHz_15M_QPSK_75RB#LOW_Band edge



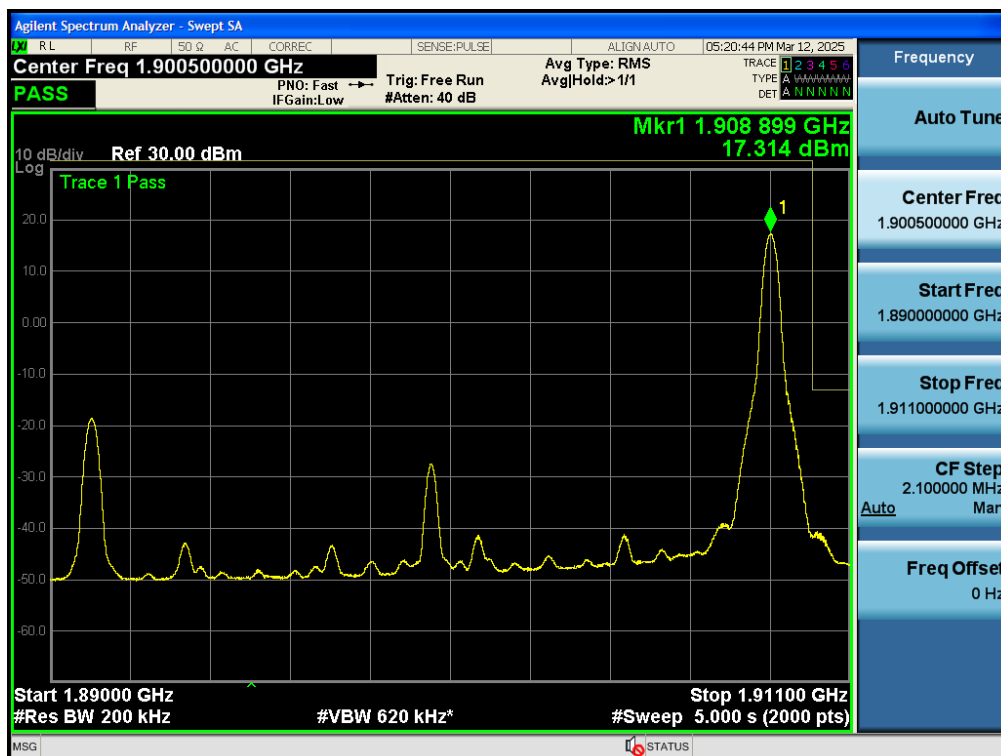
Test_Graph_band2_1860MHz_20M_16QAM_1RB#LOW_Band edge



Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_Band edge



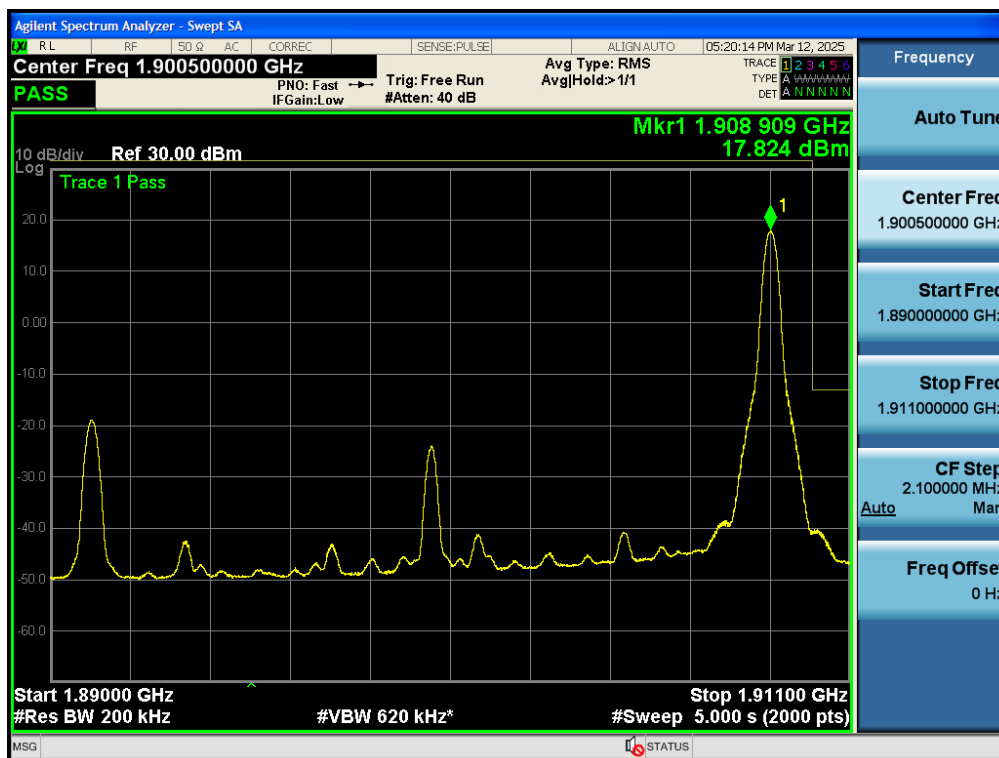
Test_Graph_band2_1860MHz_20M_QPSK_1RB#LOW_Band edge



Test_Graph_band2_1900MHz_20M_16QAM_1RB#HIGH_Band edge



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_Band edge



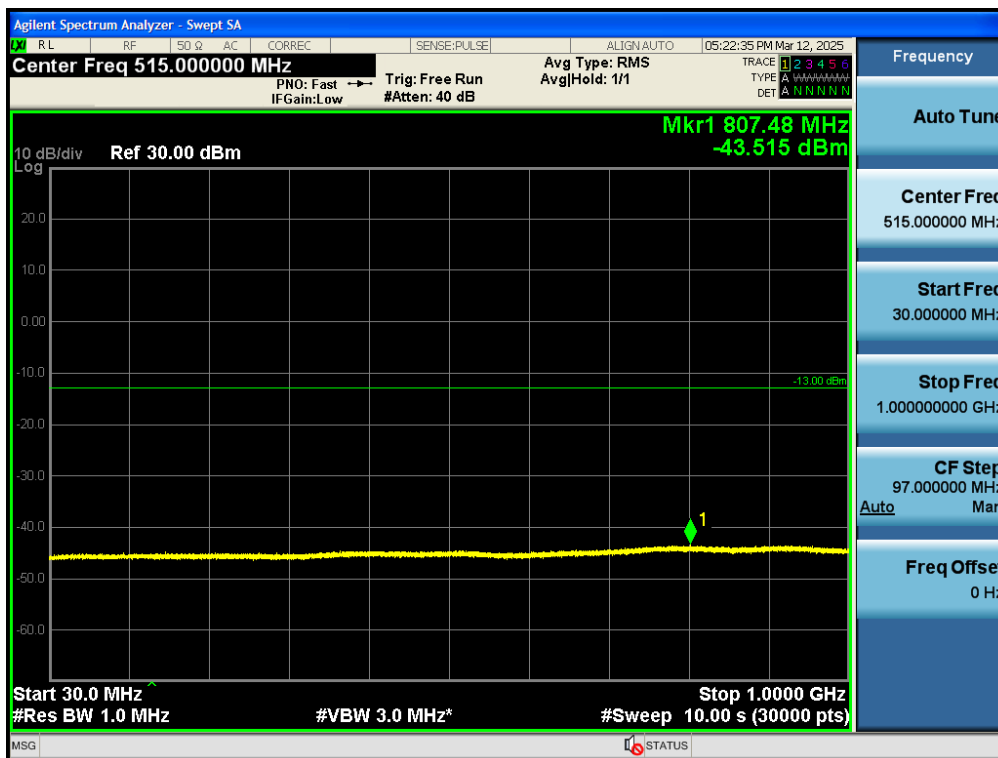
Test_Graph_band2_1900MHz_20M_QPSK_1RB#HIGH_Band edge

Appendix D: Unwanted spurious emissions at antenna terminals

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
2	1.4	1850.7	QPSK	6	LOW	Pass
2	1.4	1880	QPSK	6	LOW	Pass
2	1.4	1909.3	QPSK	6	LOW	Pass
2	3	1851.5	QPSK	15	LOW	Pass
2	3	1880	QPSK	15	LOW	Pass
2	3	1908.5	QPSK	15	LOW	Pass
2	5	1852.5	QPSK	25	LOW	Pass
2	5	1880	QPSK	25	LOW	Pass
2	5	1907.5	QPSK	25	LOW	Pass
2	10	1855	QPSK	50	LOW	Pass
2	10	1880	QPSK	50	LOW	Pass
2	10	1905	QPSK	50	LOW	Pass
2	15	1857.5	QPSK	75	LOW	Pass
2	15	1880	QPSK	75	LOW	Pass
2	15	1902.5	QPSK	75	LOW	Pass
2	20	1860	QPSK	100	LOW	Pass
2	20	1880	QPSK	100	LOW	Pass
2	20	1900	QPSK	100	LOW	Pass

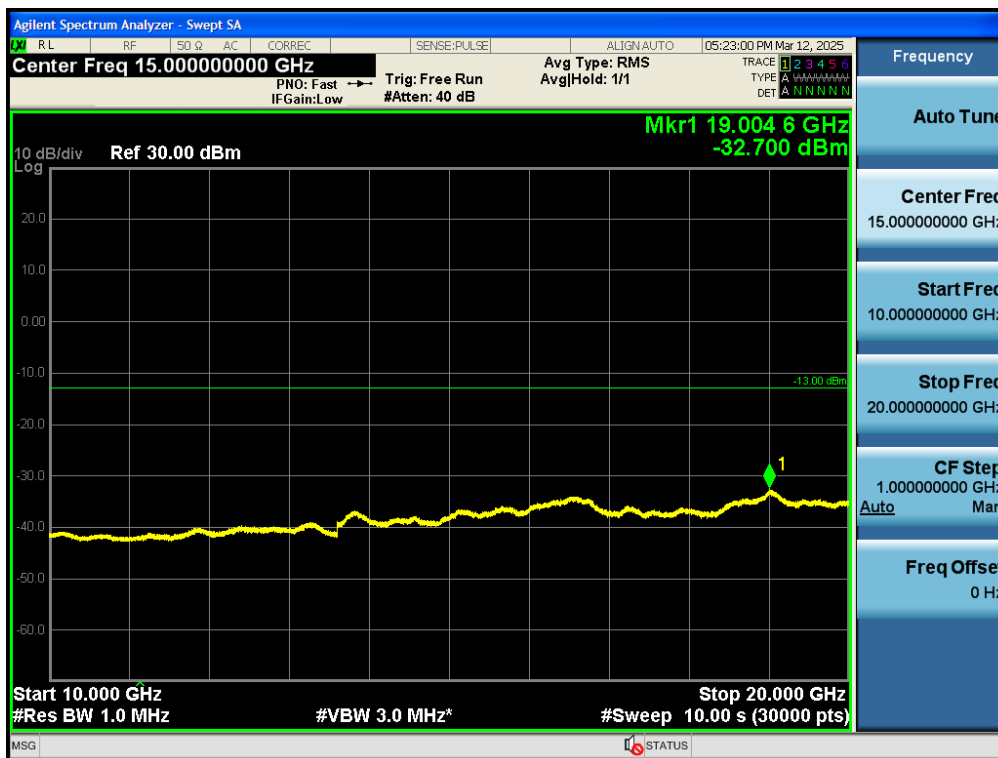
Test Graphs



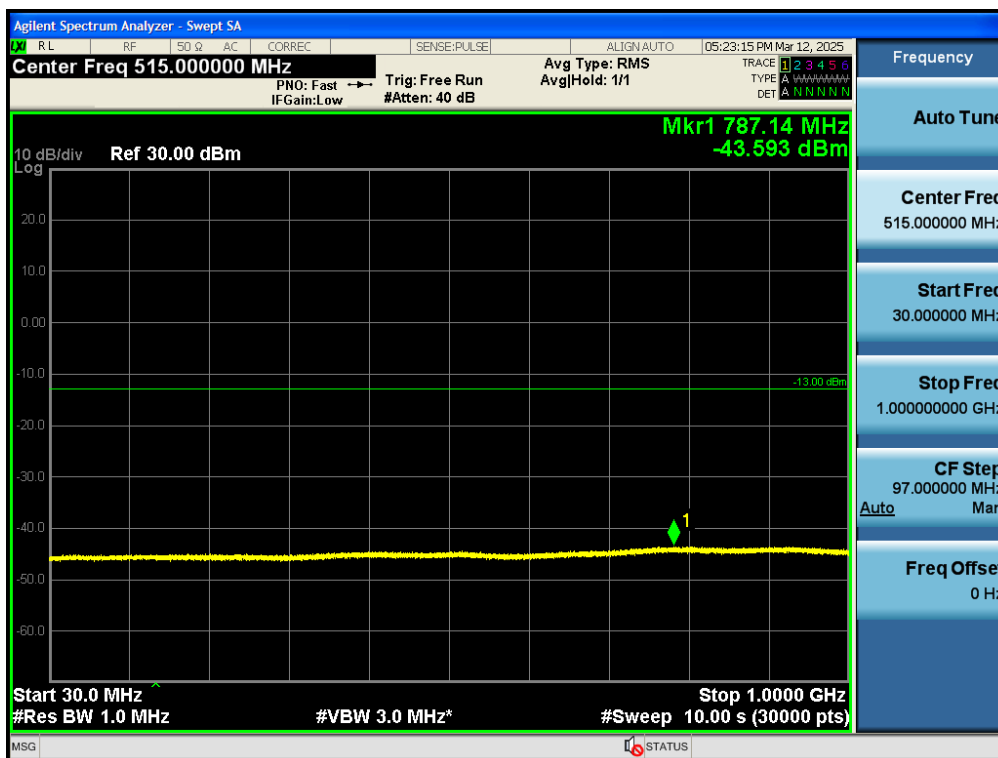
Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



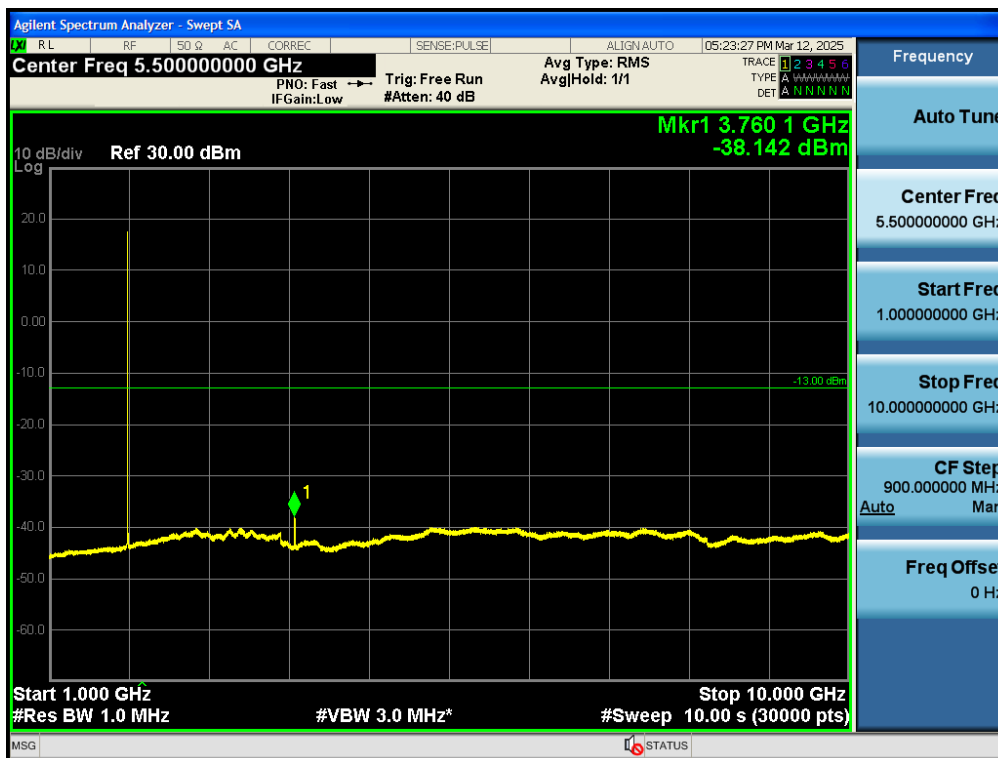
Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



Test_Graph_band2_1850.7MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX



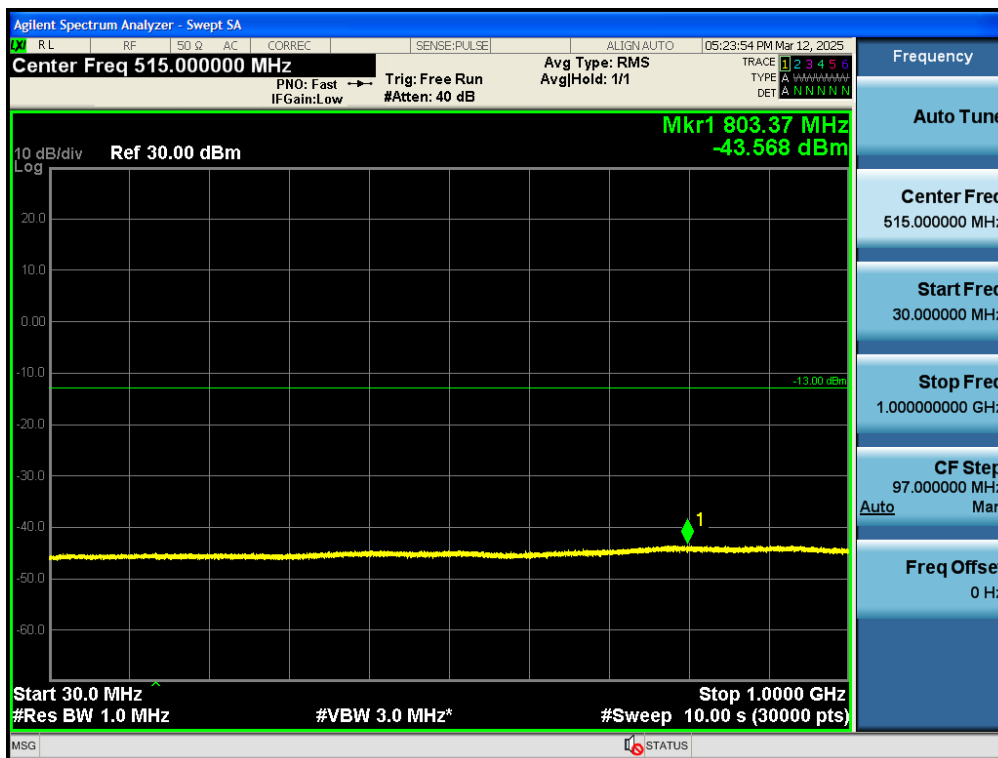
Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



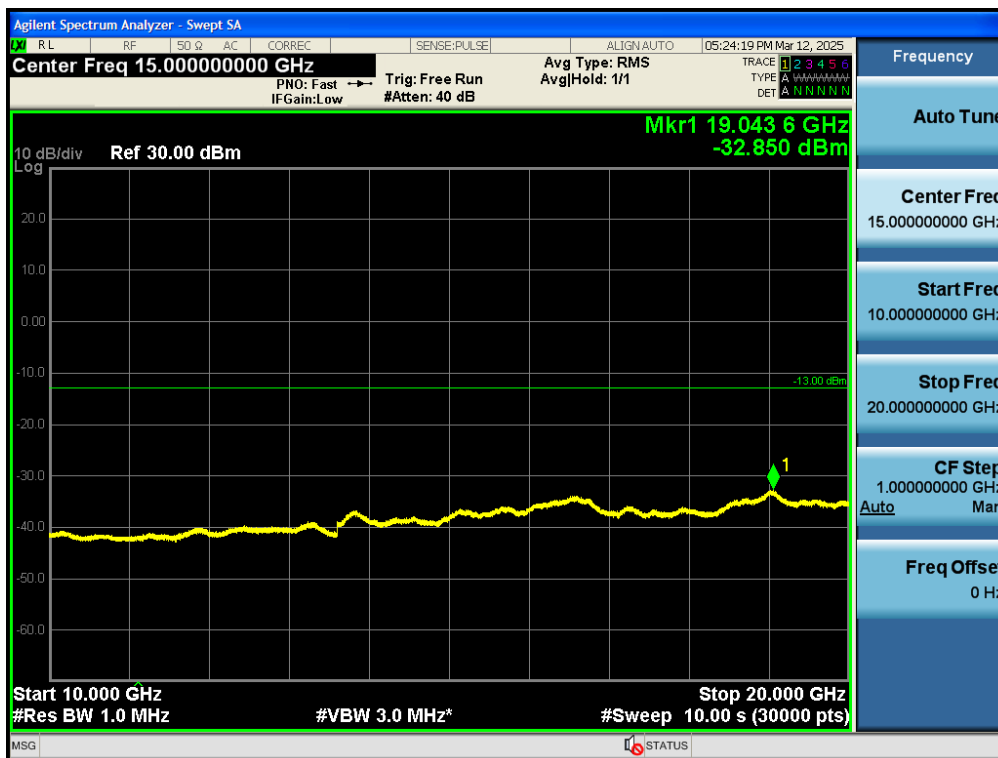
Test_Graph_band2_1880MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX



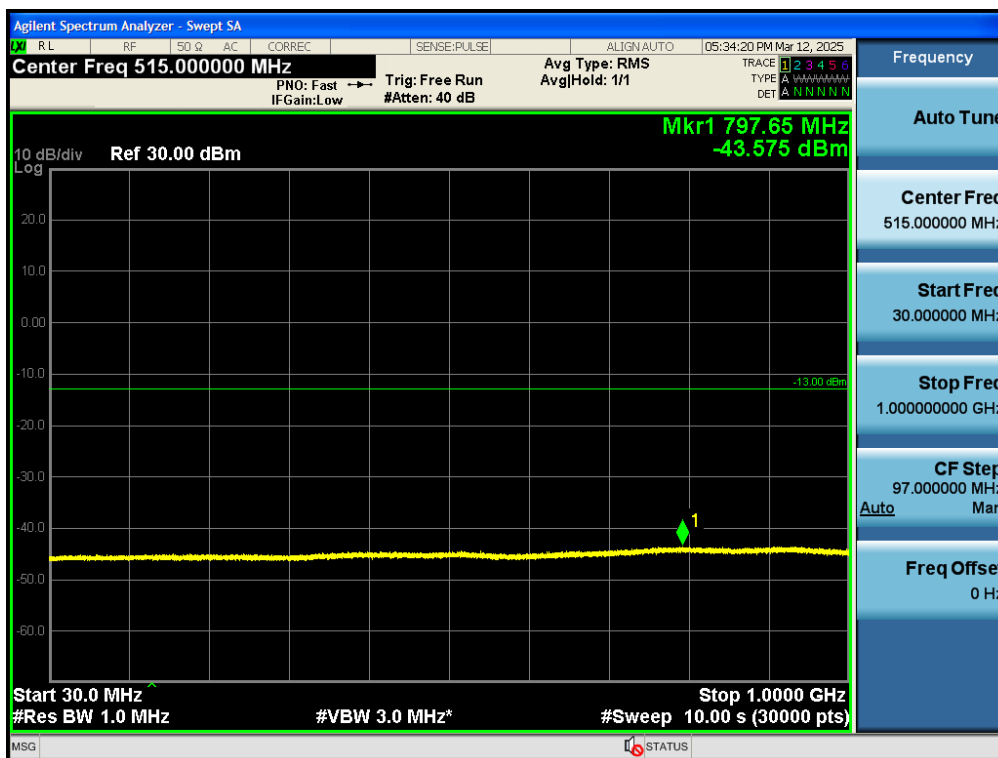
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX



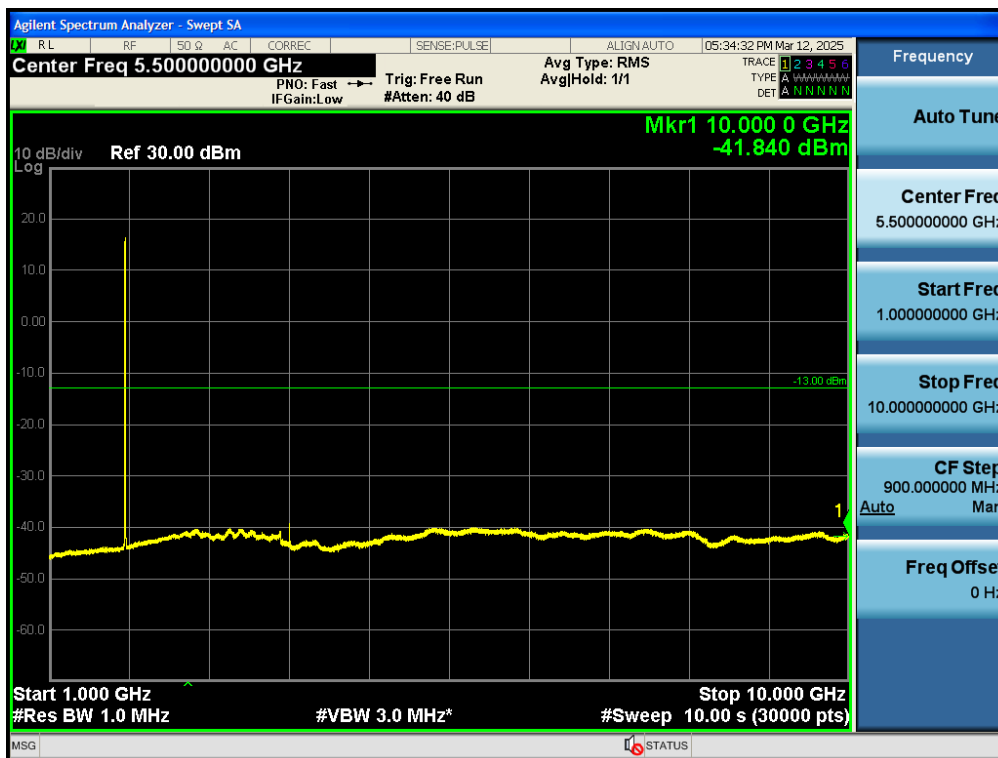
Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



Test_Graph_band2_1909.3MHz_1.4M_QPSK_6RB#LOW_10G_20.0G_TX



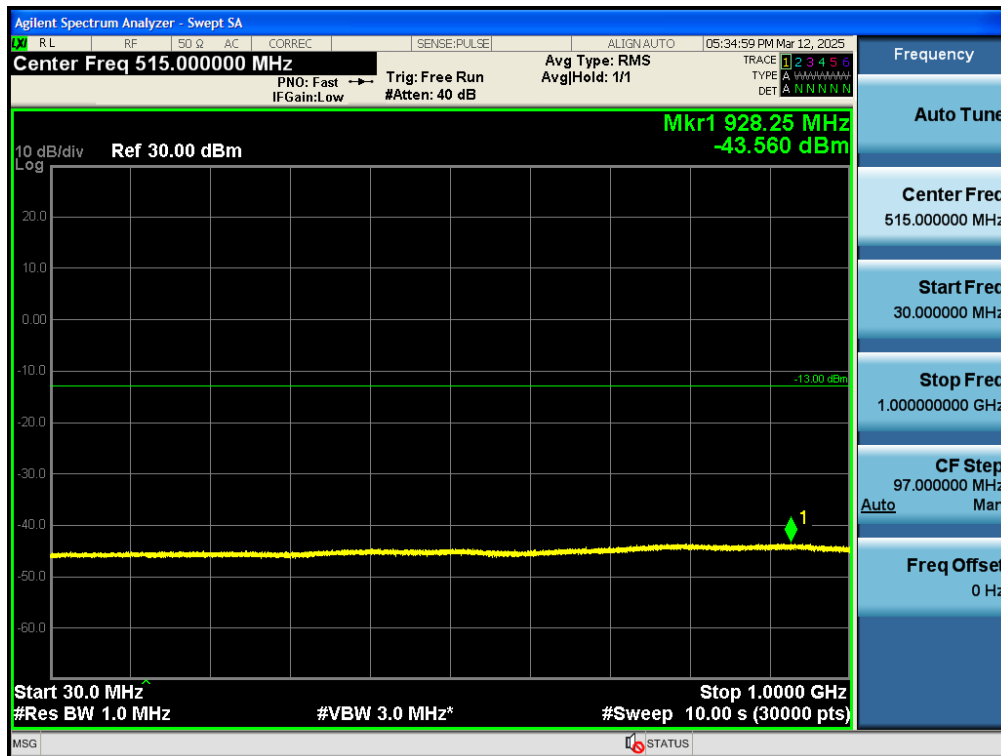
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX



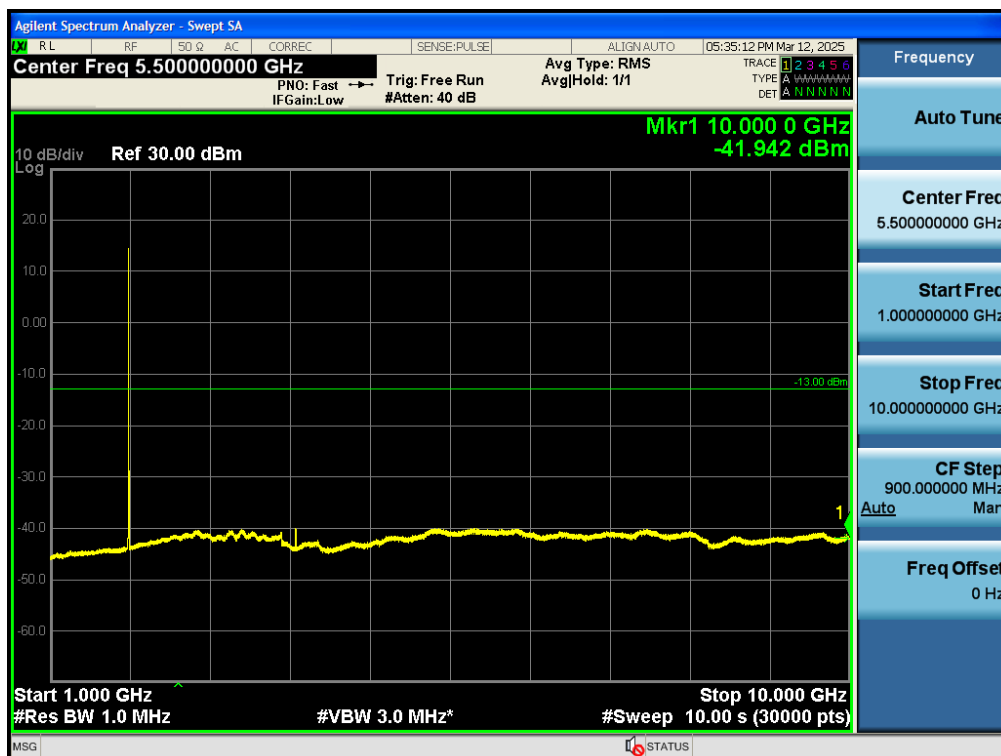
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



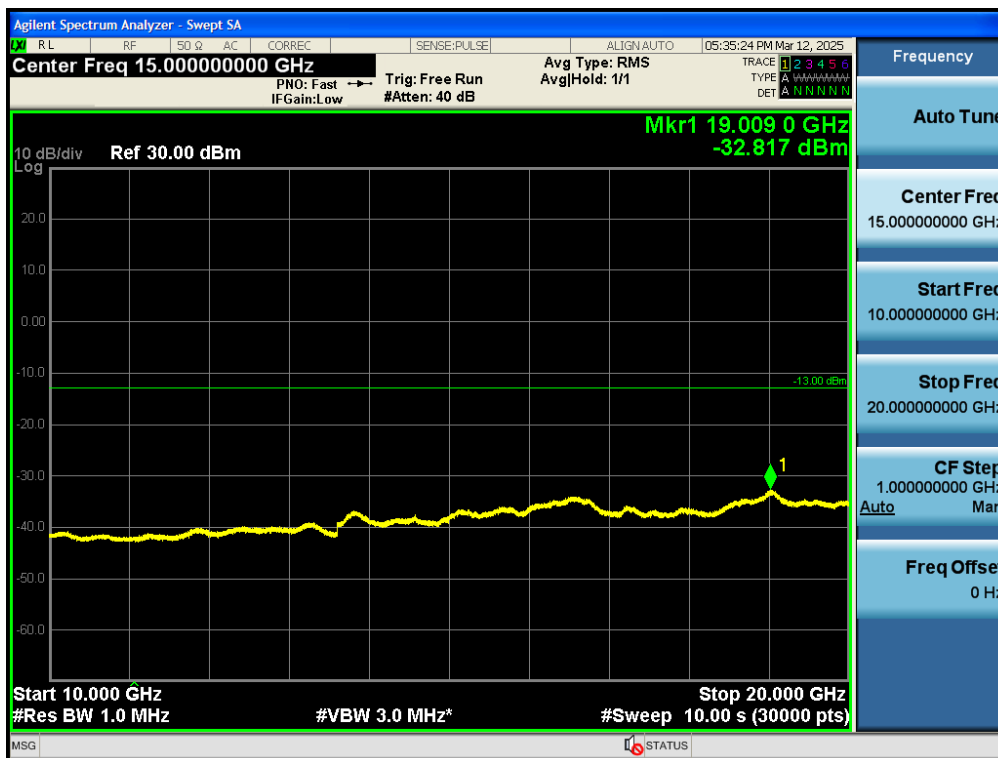
Test_Graph_band2_1851.5MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX



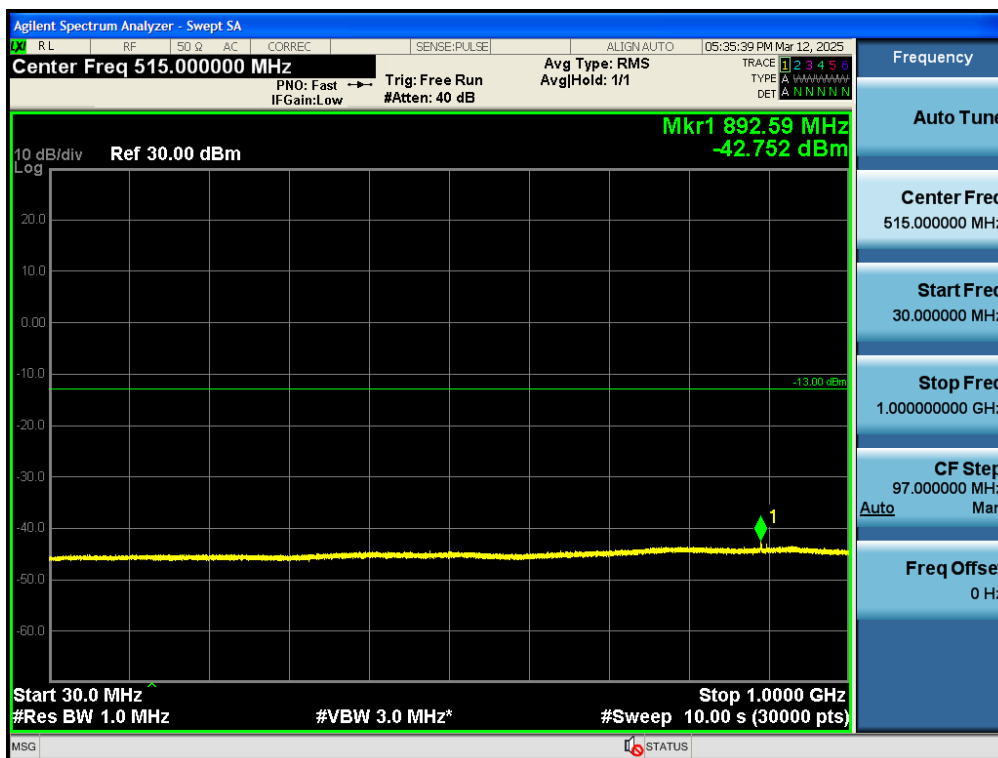
Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_30M_1G_TX



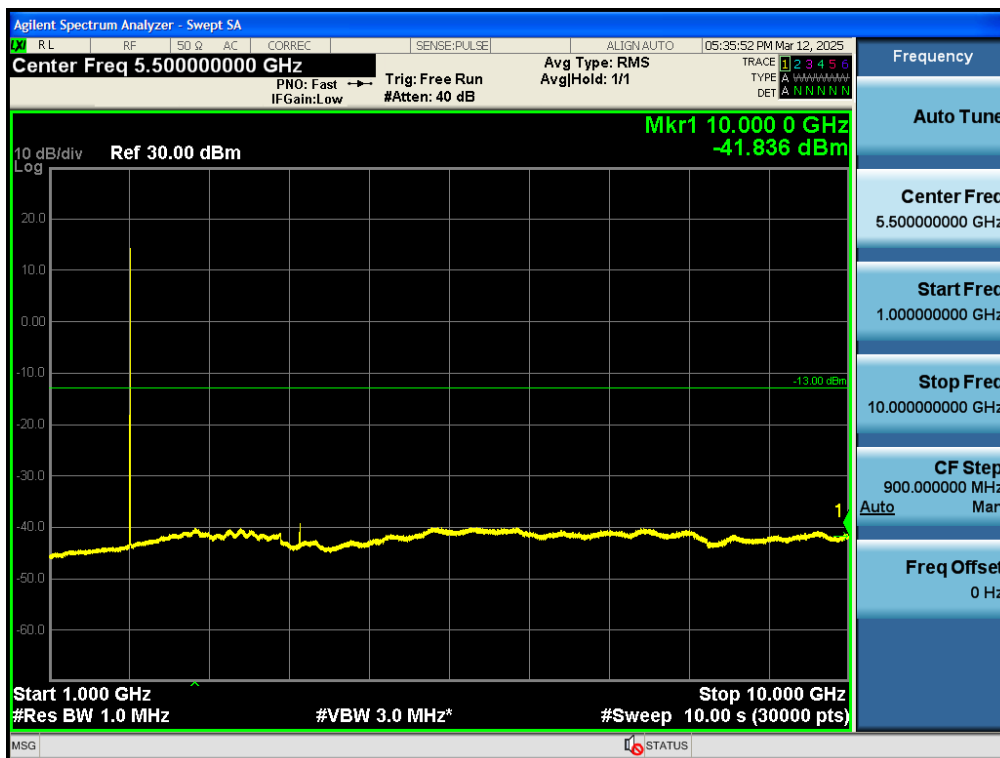
Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_1G_10G_TX



Test_Graph_band2_1880MHz_3M_QPSK_15RB#LOW_10G_20.0G_TX



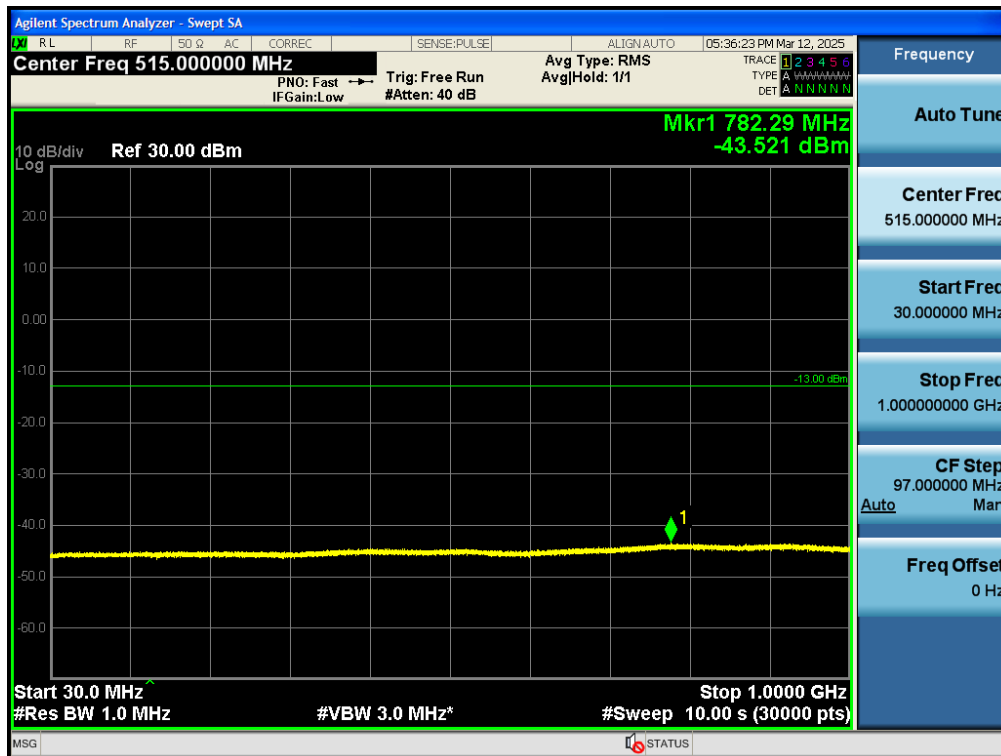
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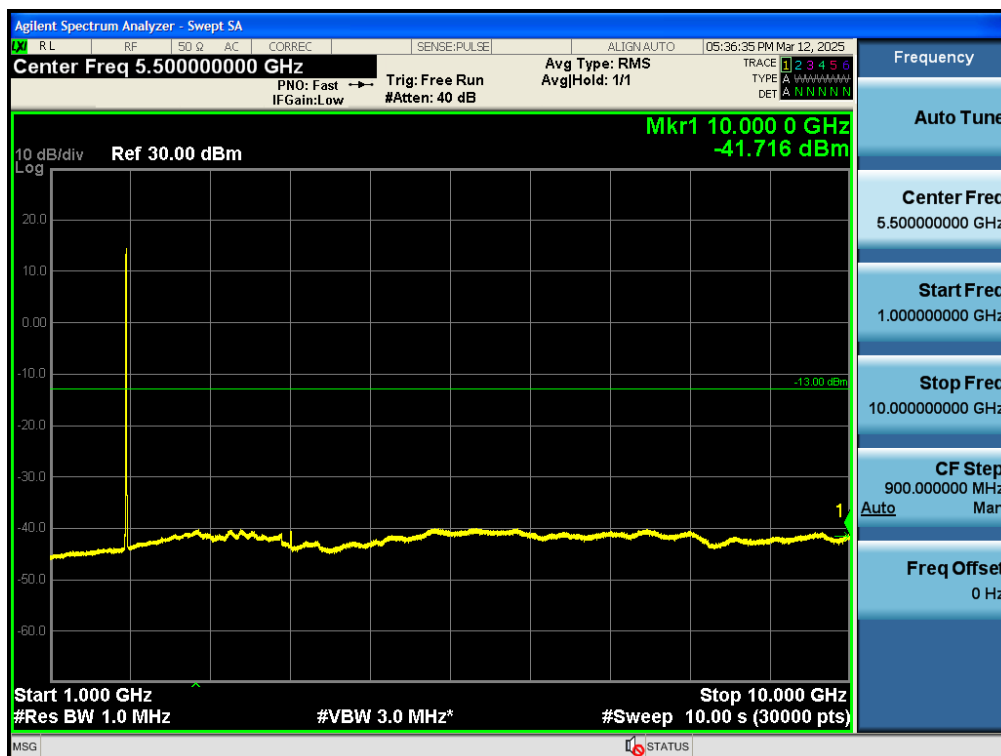
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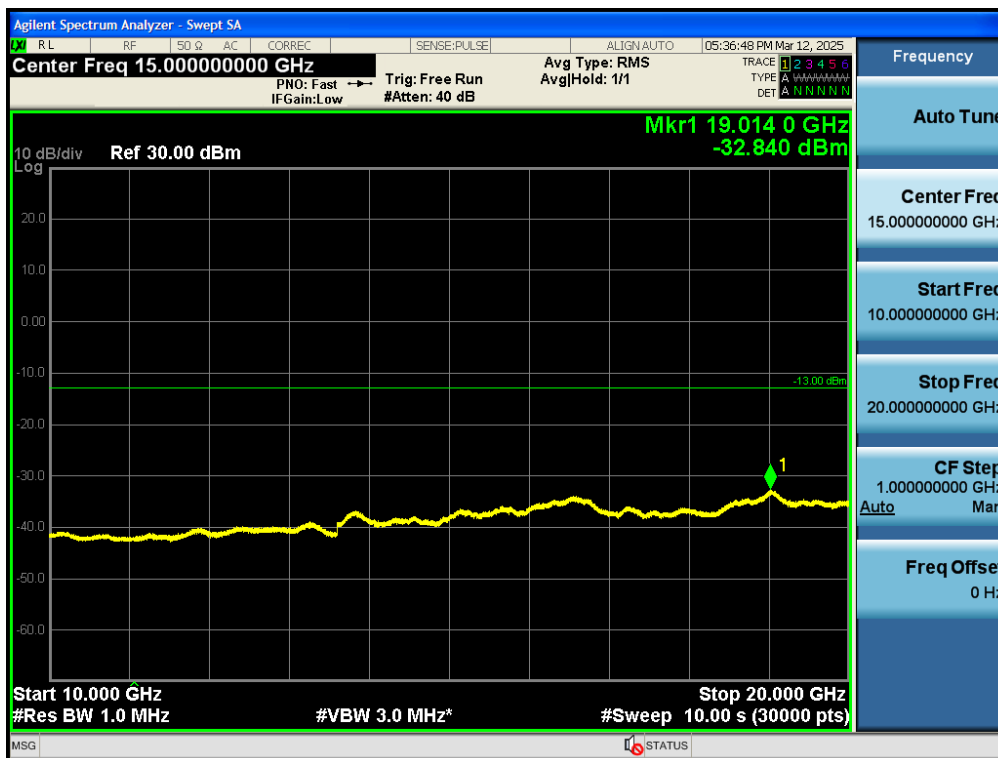
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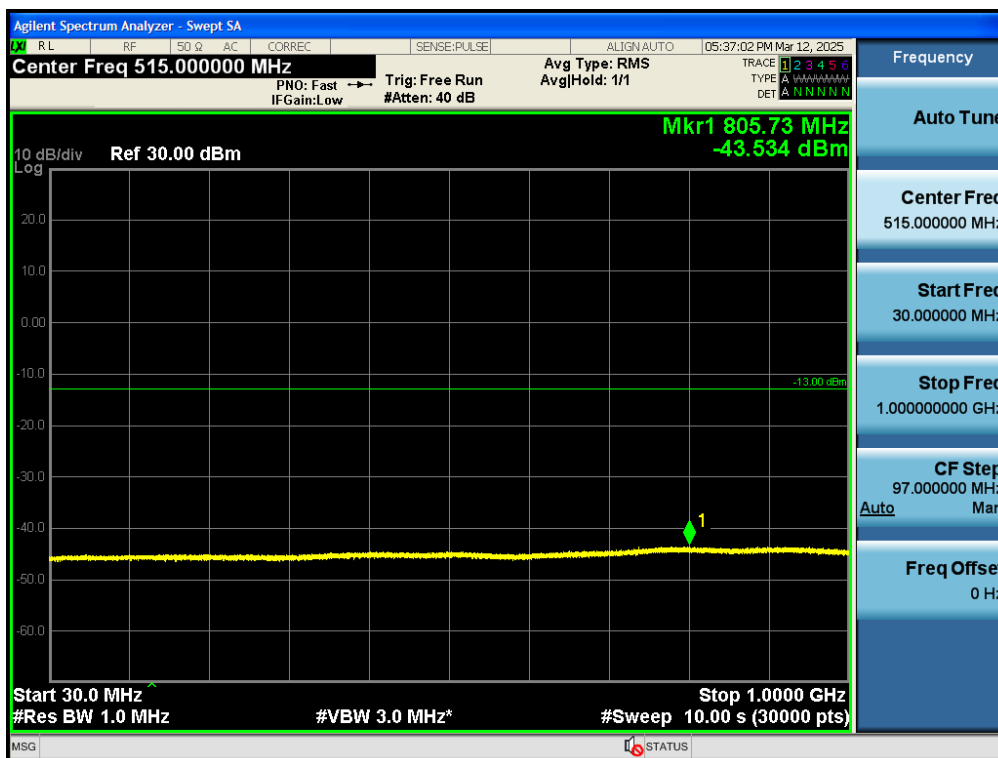
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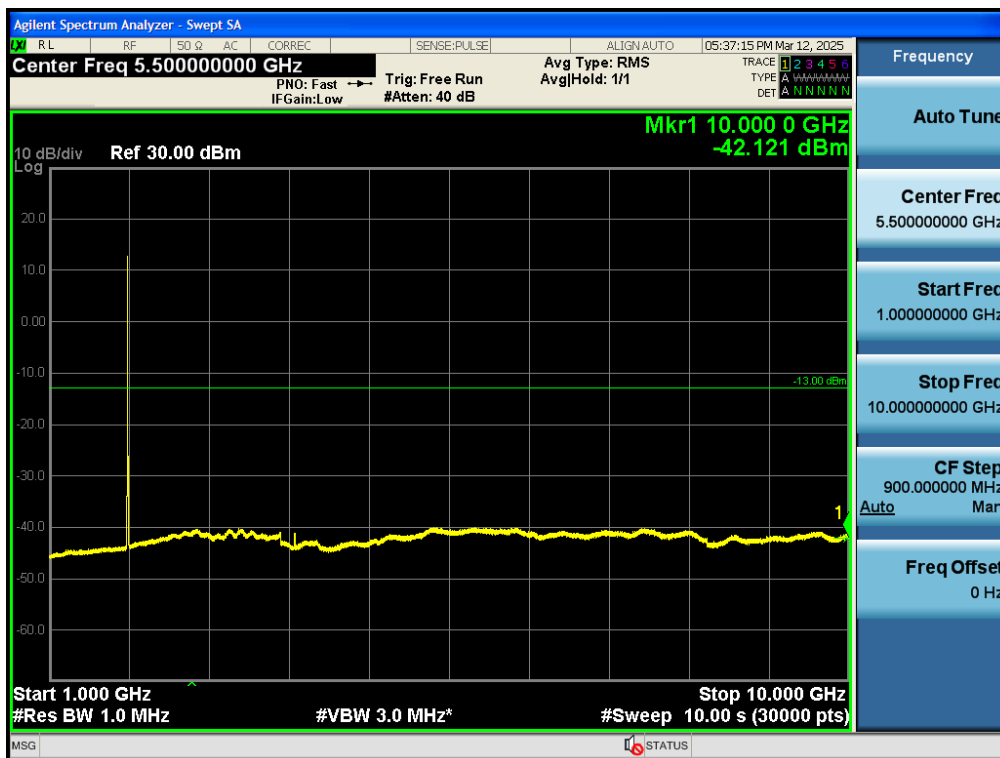
Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX



Test_Graph_band2_1852.5MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX



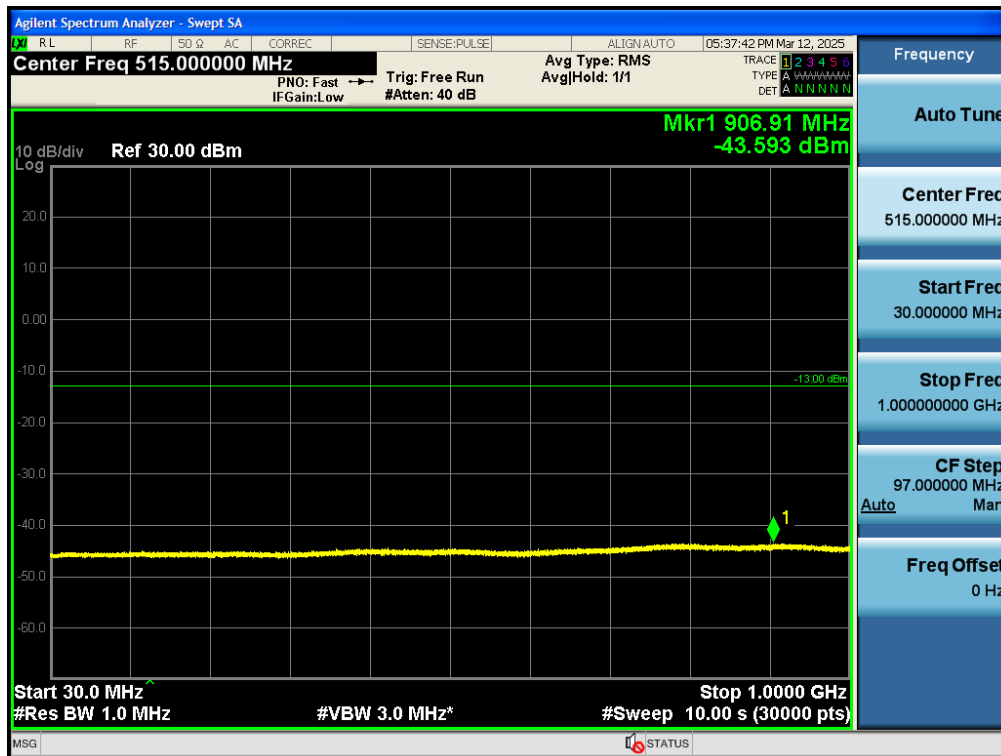
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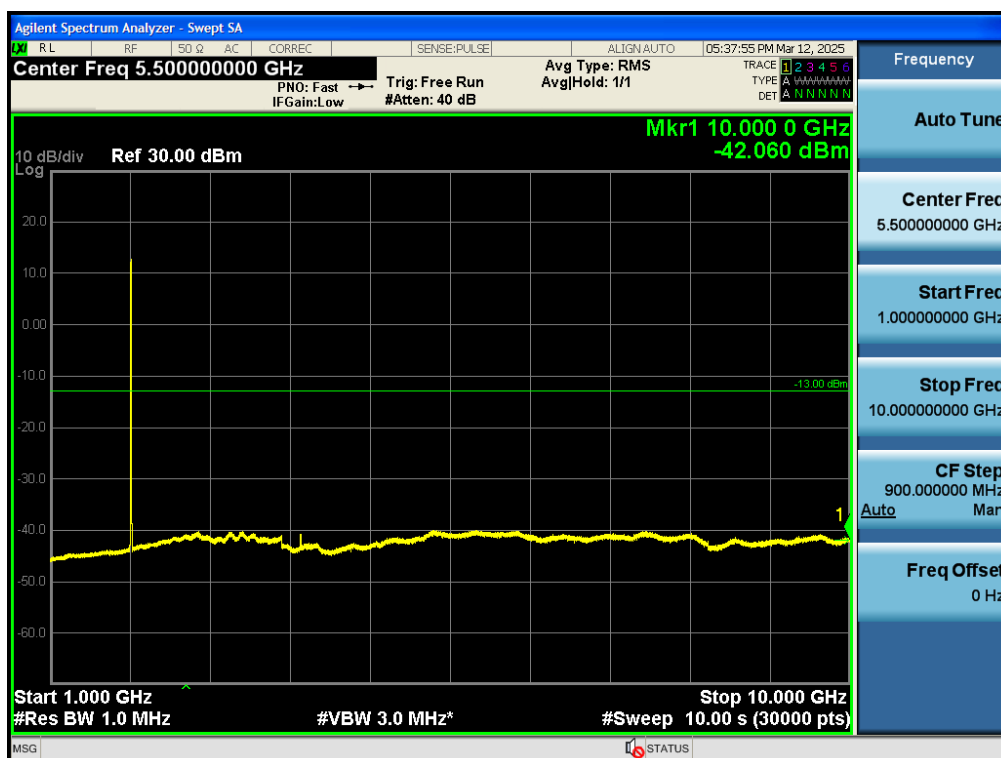
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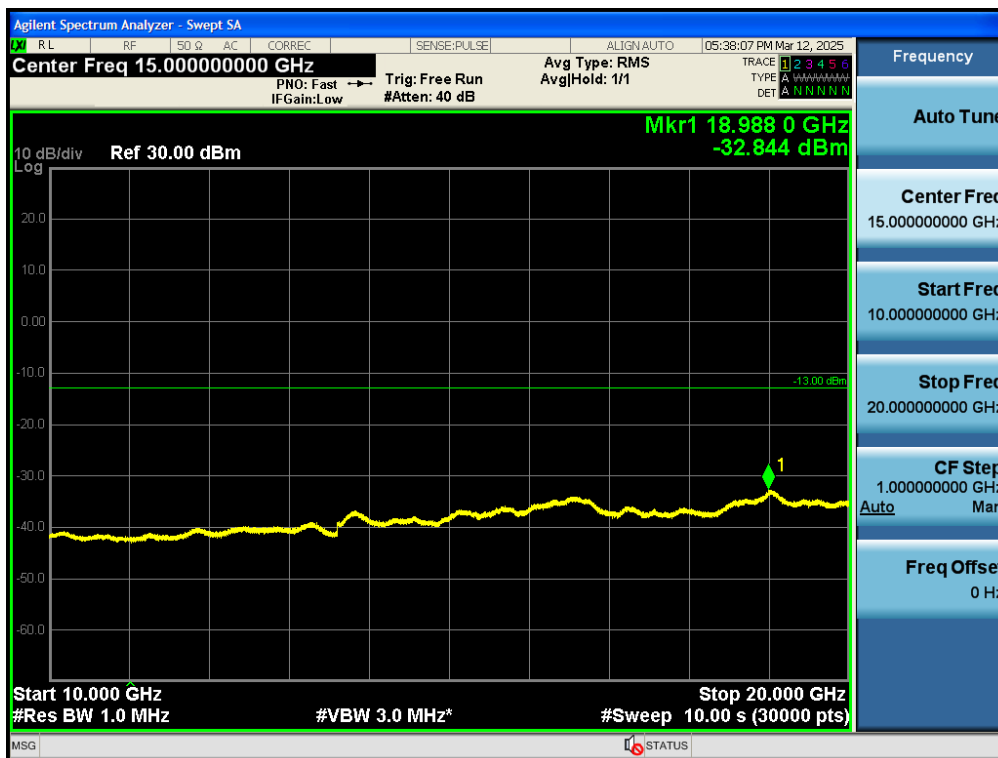
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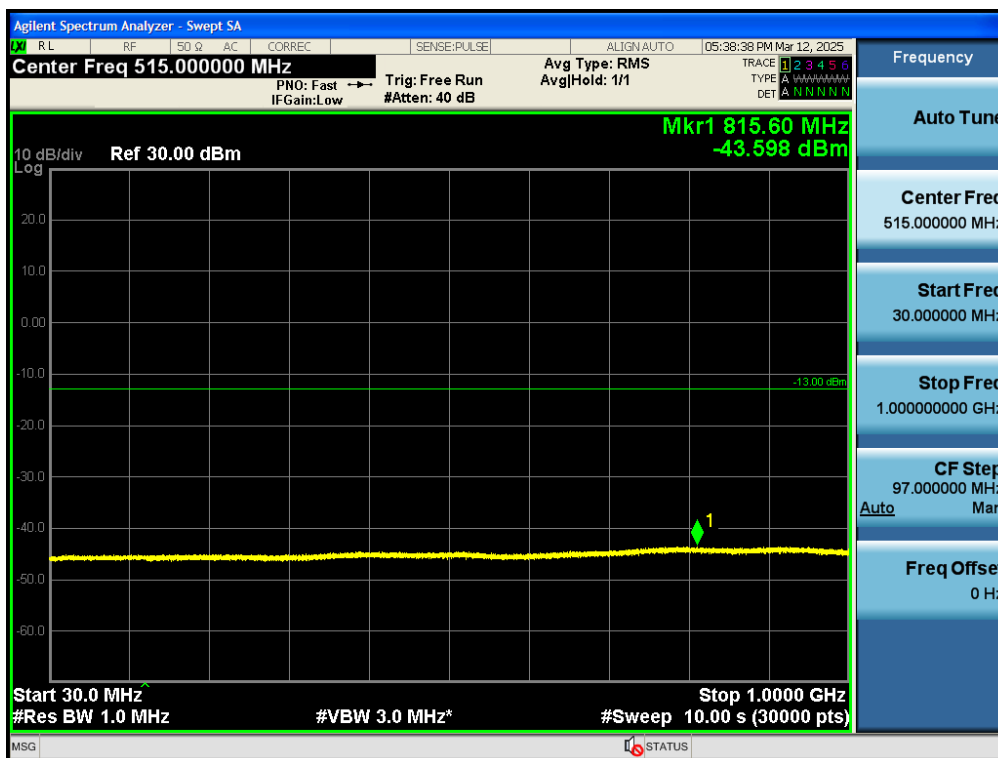
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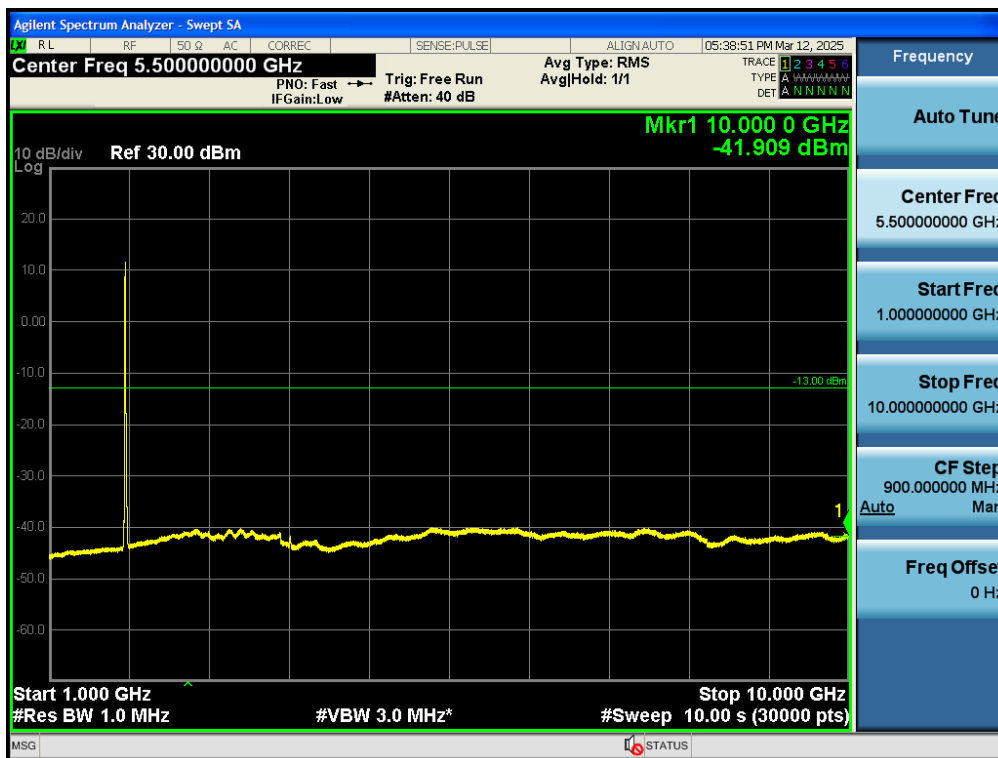
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Test_Graph_band2_1907.5MHz_5M_QPSK_25RB#LOW_10G_20.0G_TX



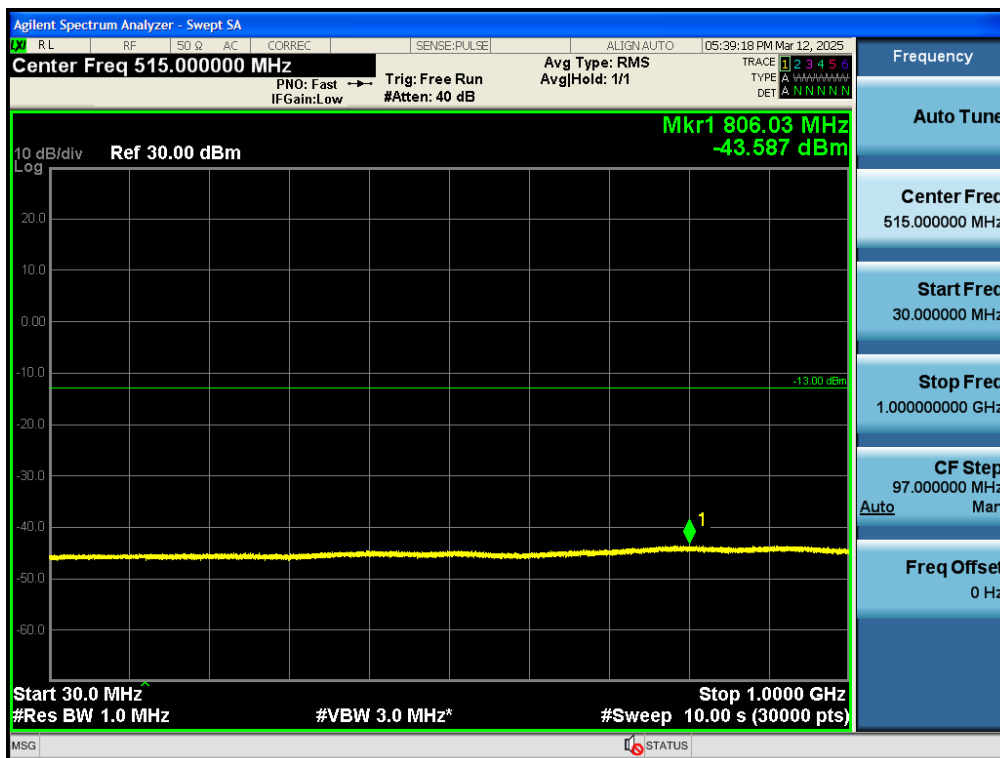
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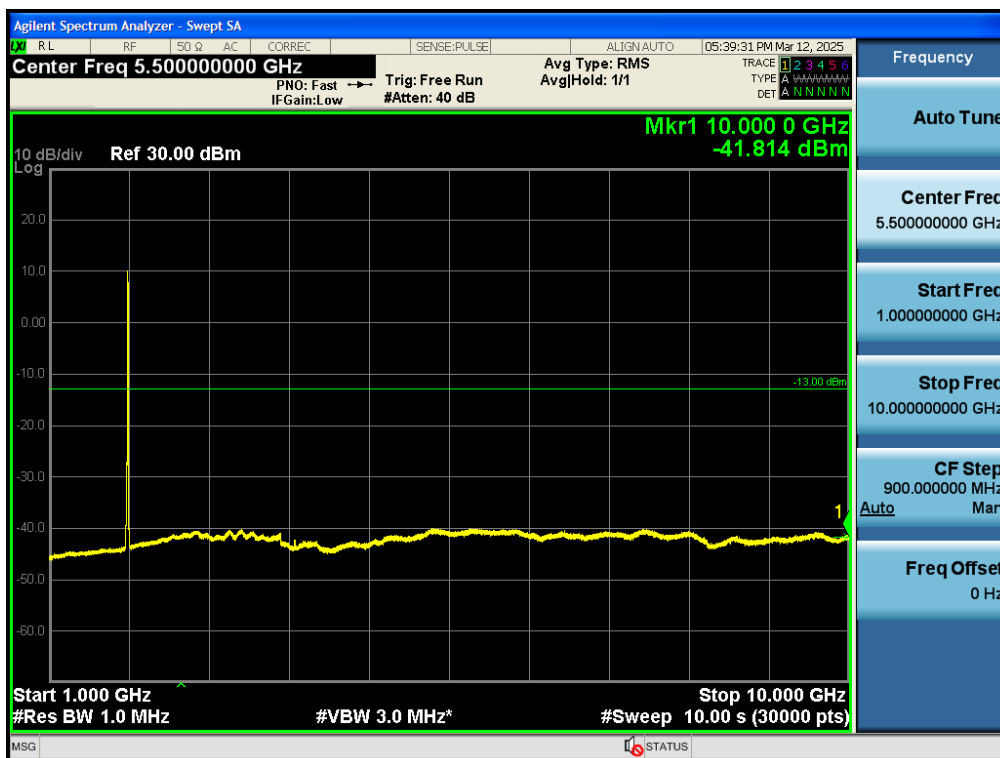
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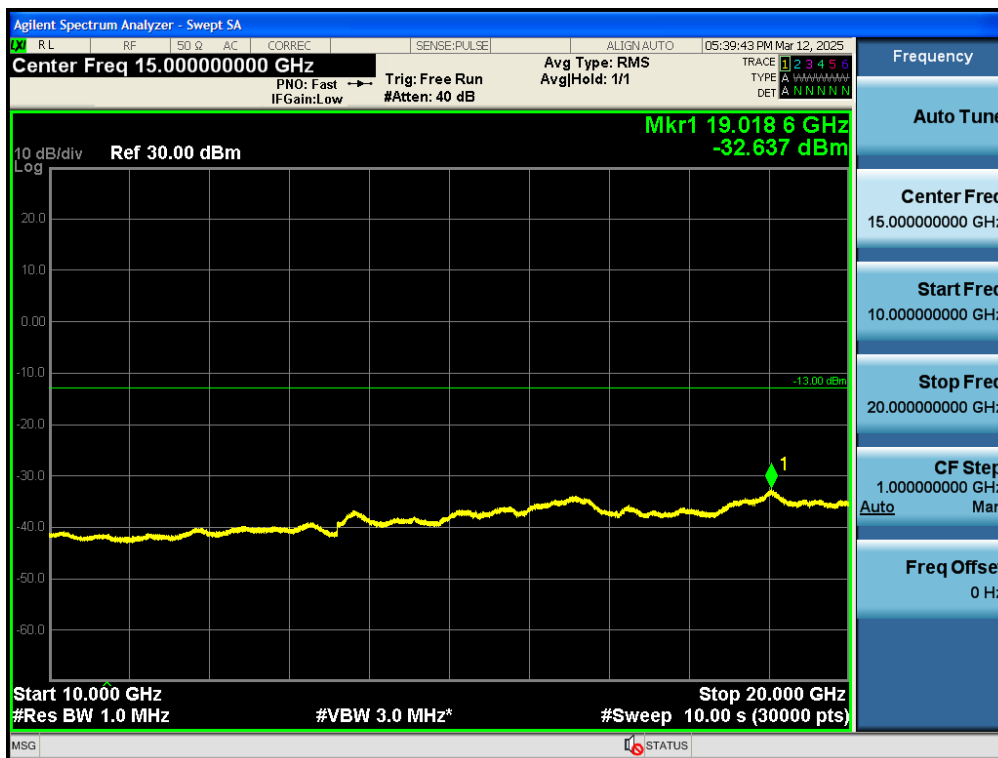
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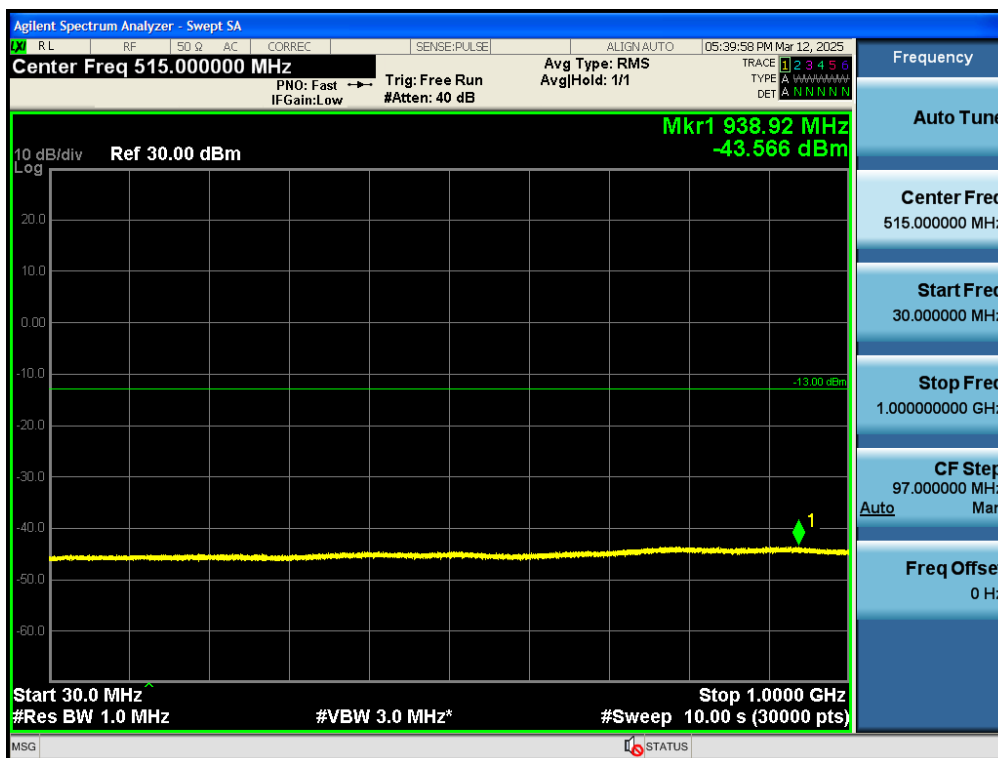
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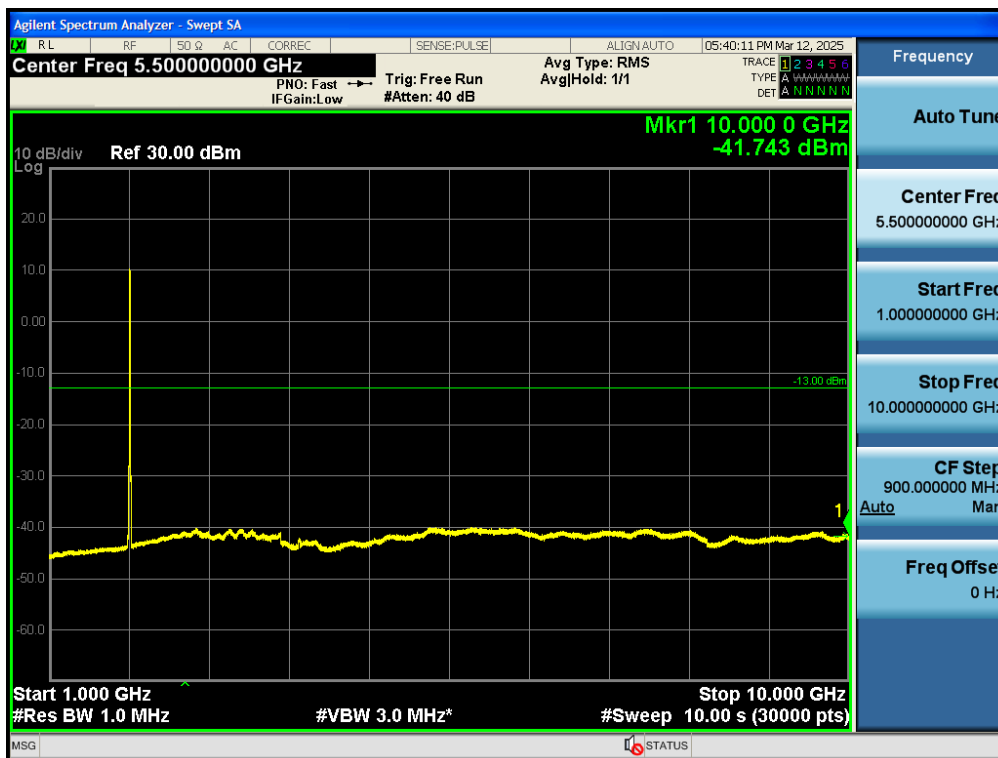
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Test_Graph_band2_1880MHz_10M_QPSK_50RB#LOW_10G_20.0G_TX



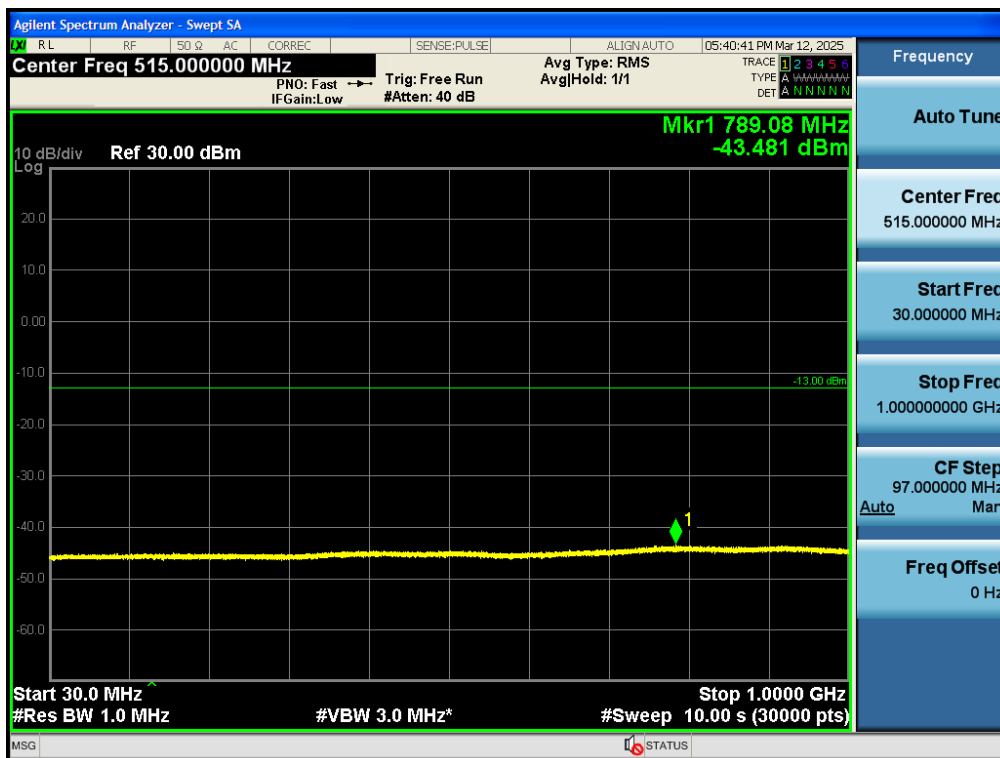
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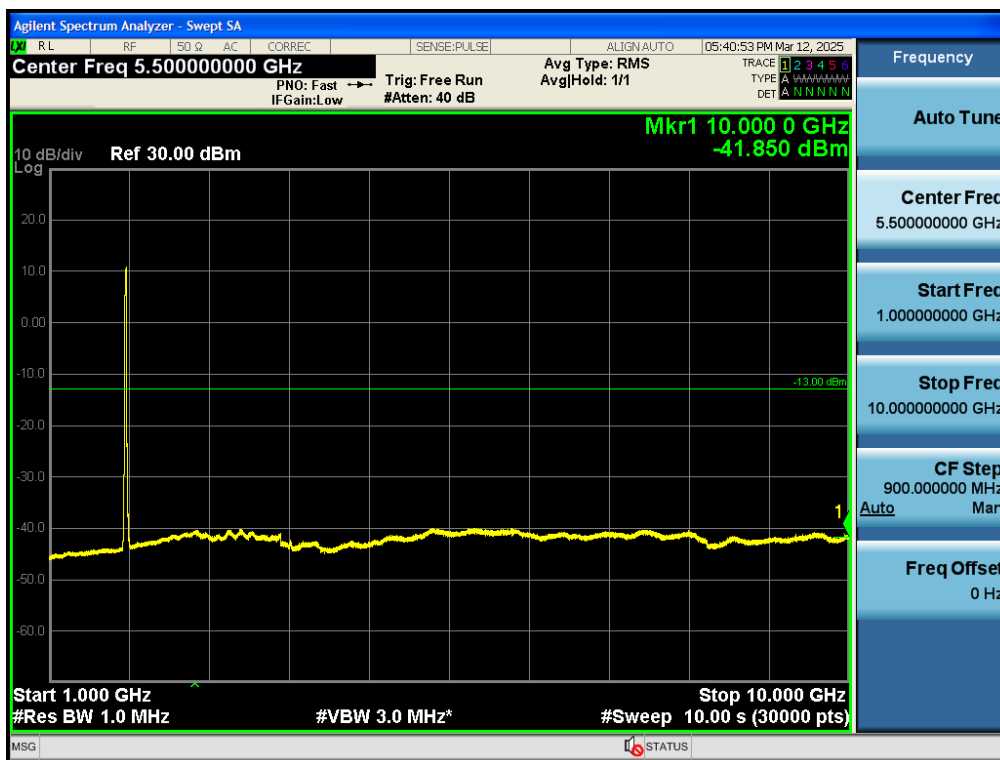
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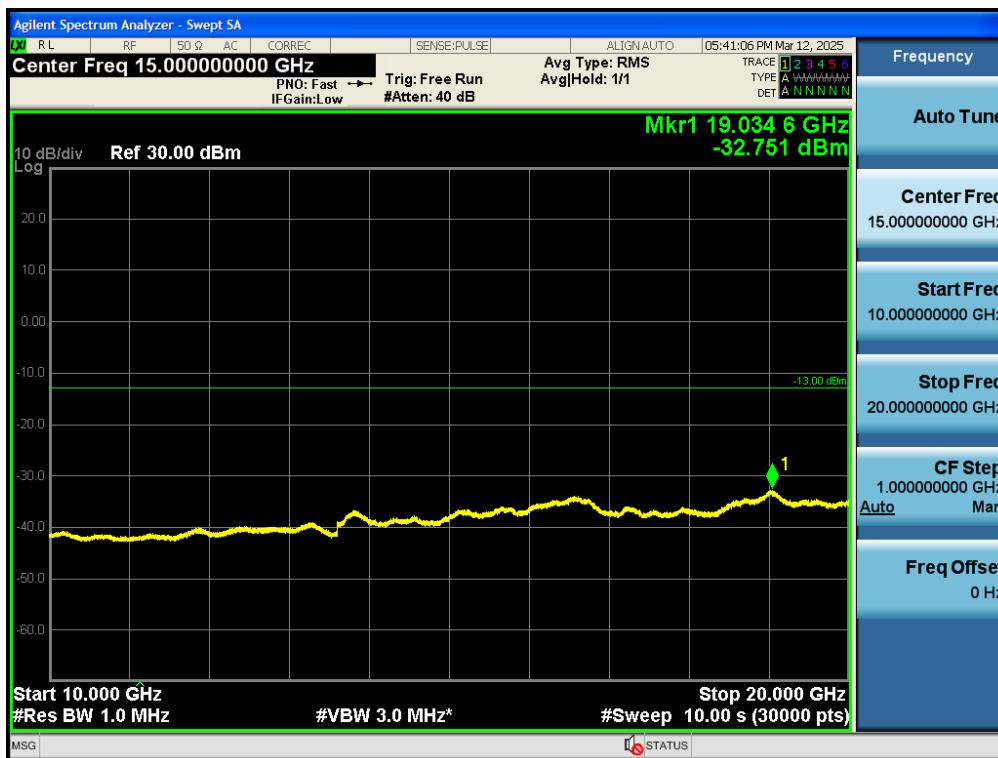
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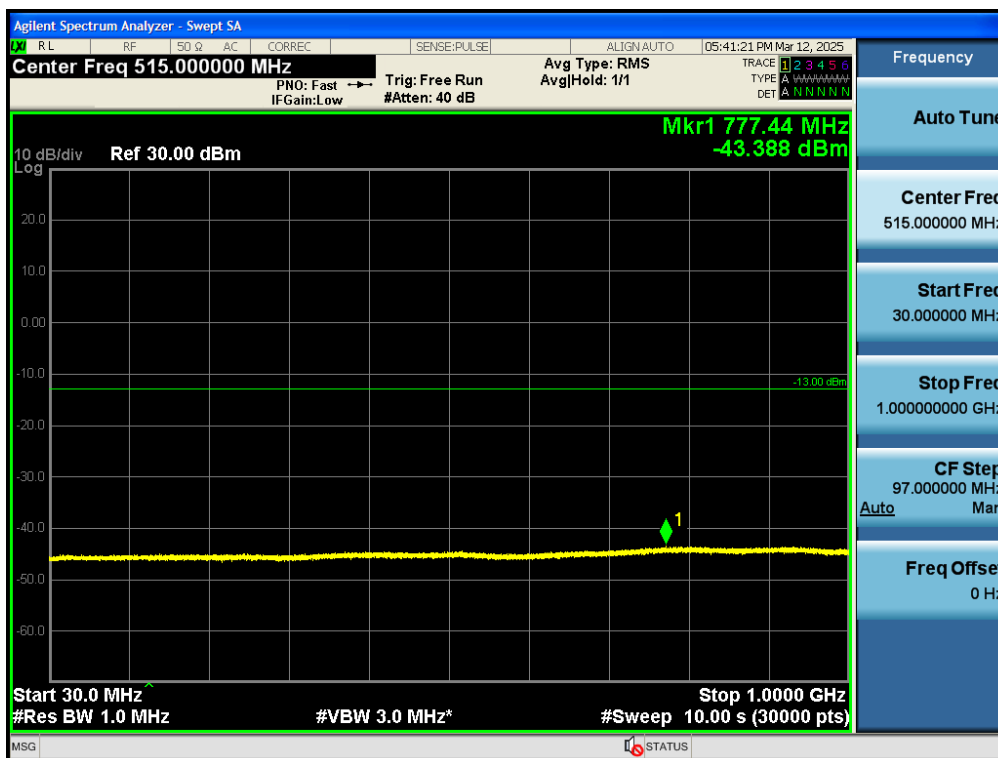
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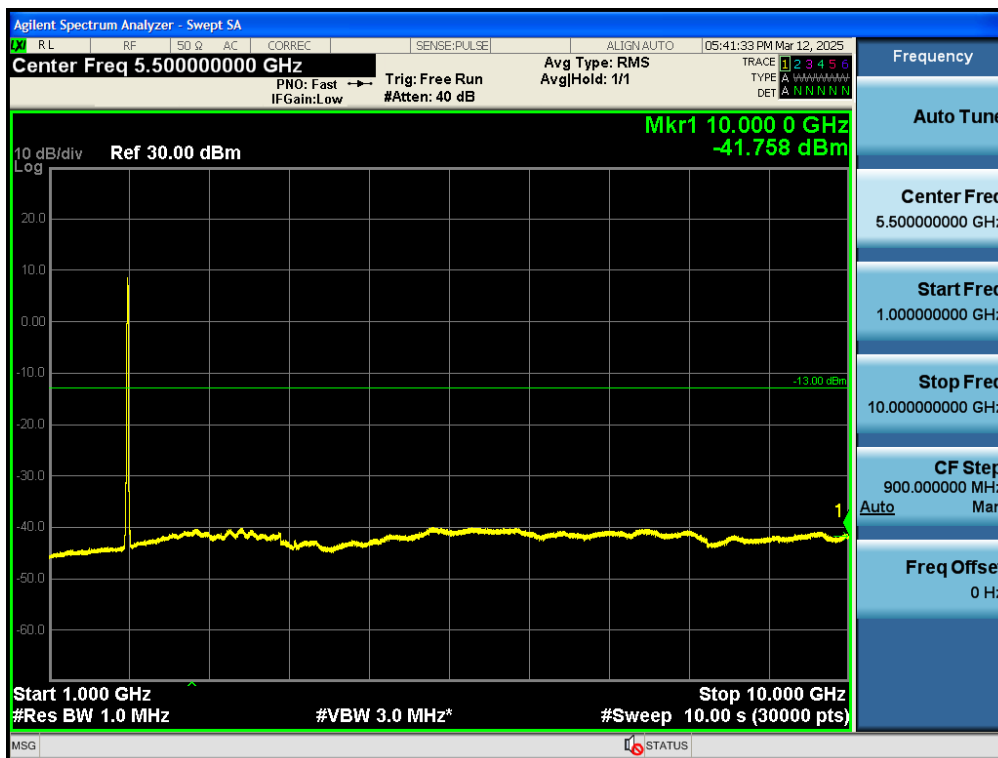
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Test_Graph_band2_1857.5MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX



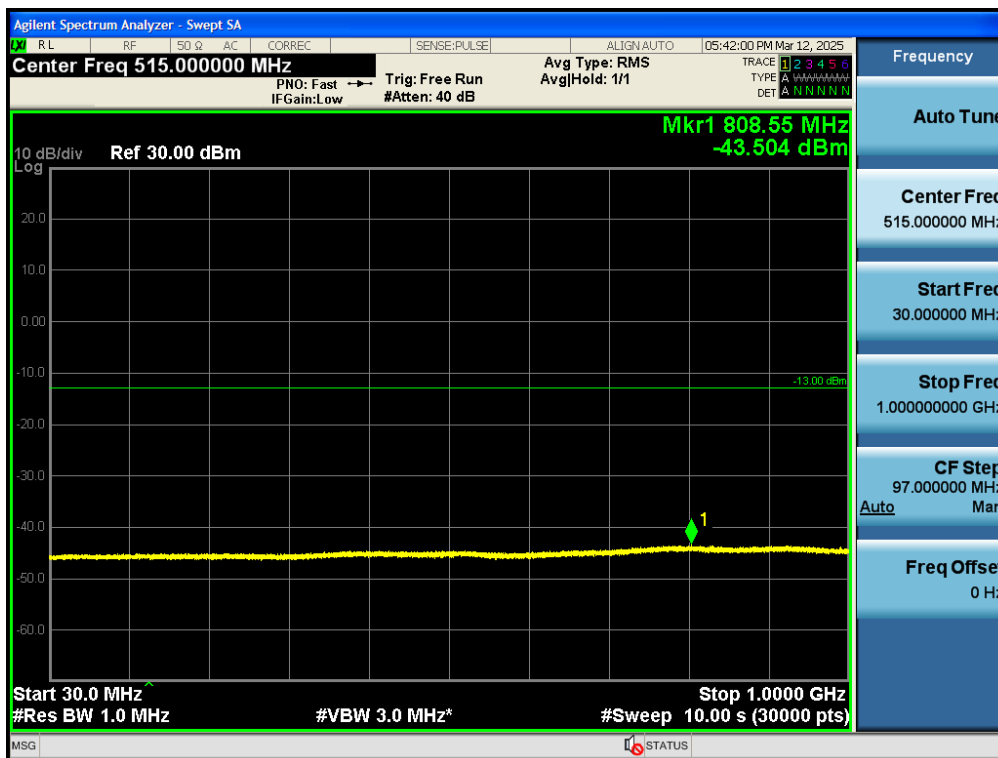
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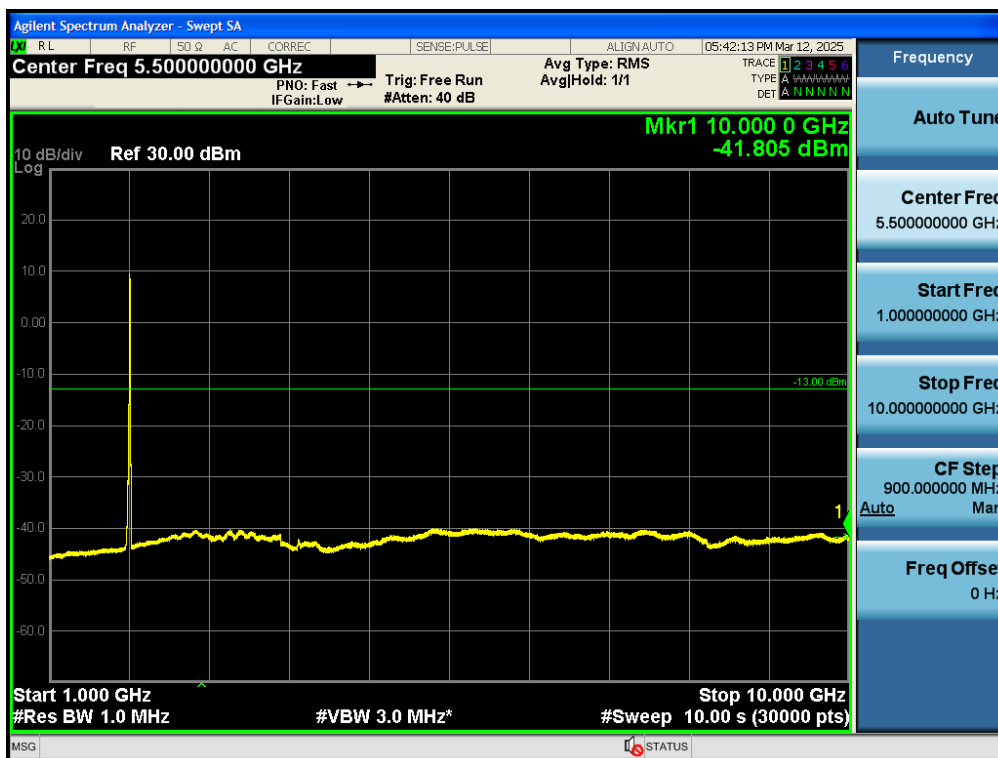
Test_Graph_band2_1880MHz_15M_QPSK_75RB#LOW_1G_10G_TX



Test_Graph_band2_1880MHz_15M_QPSK_75RB#LOW_10G_20.0G_TX



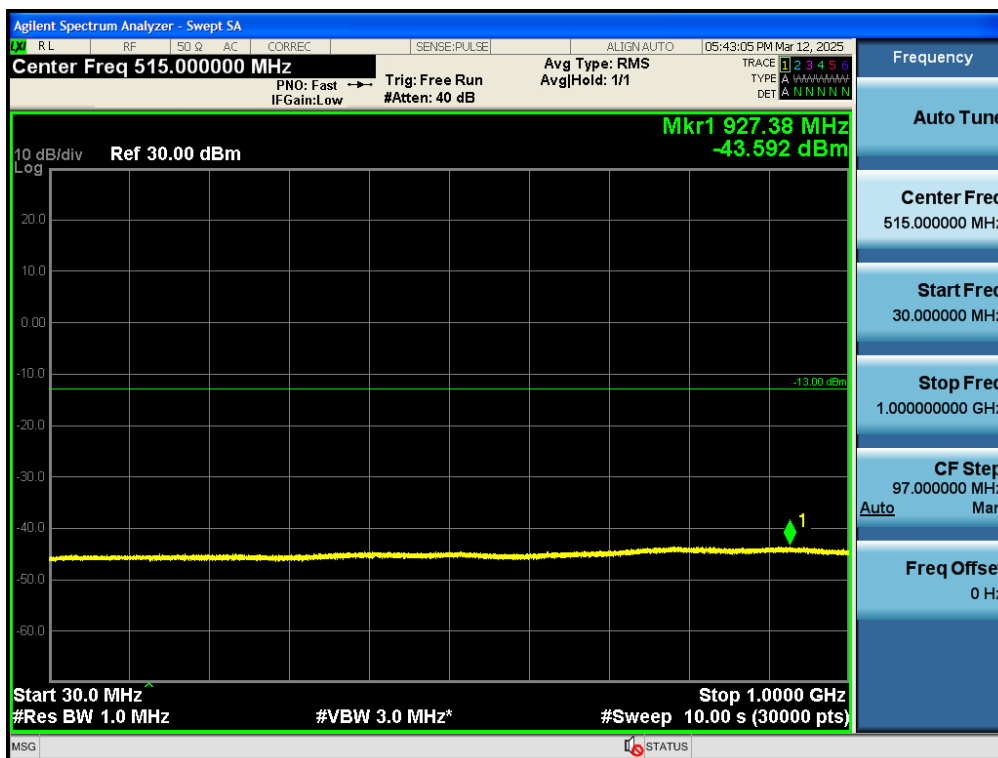
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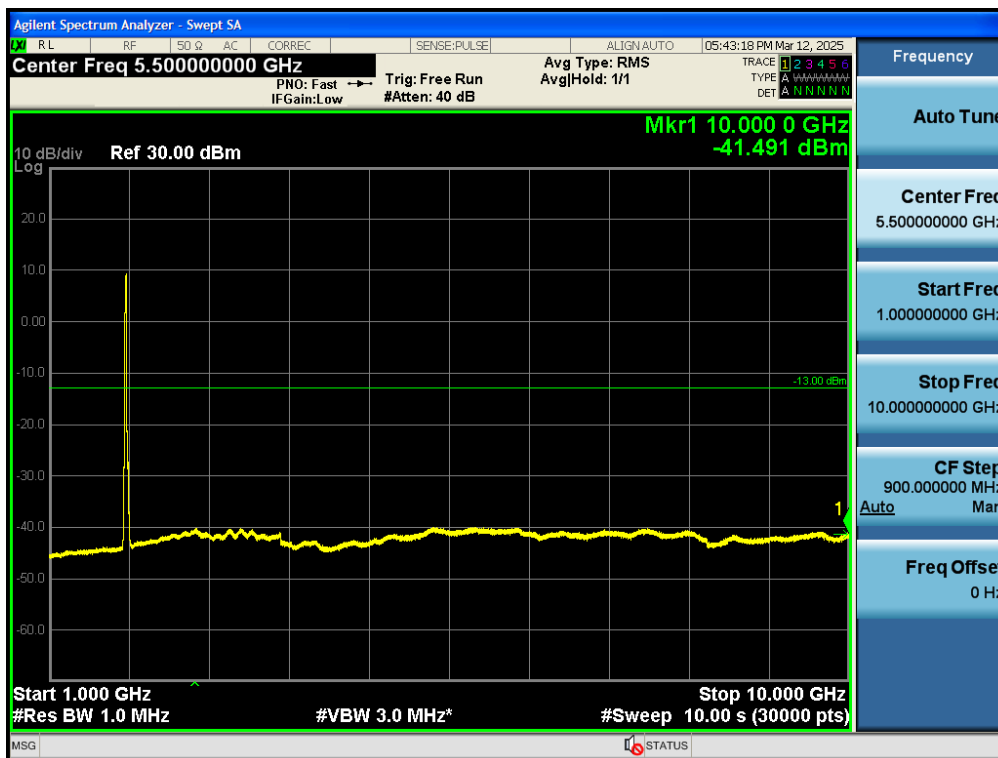
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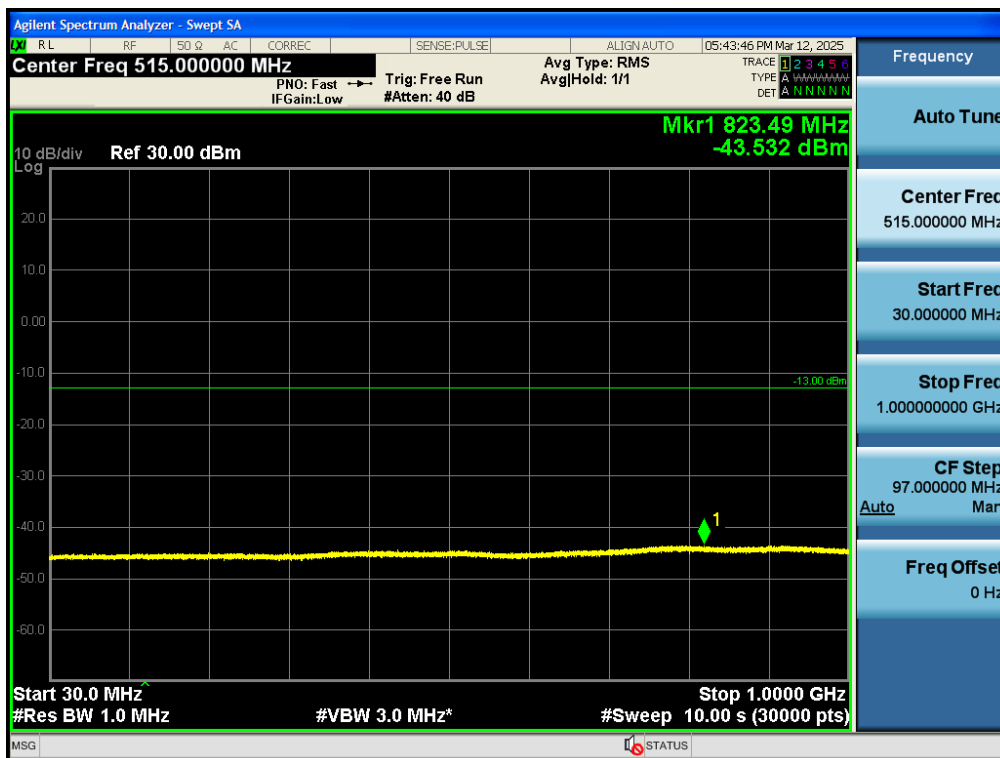
Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_30M_1G_TX



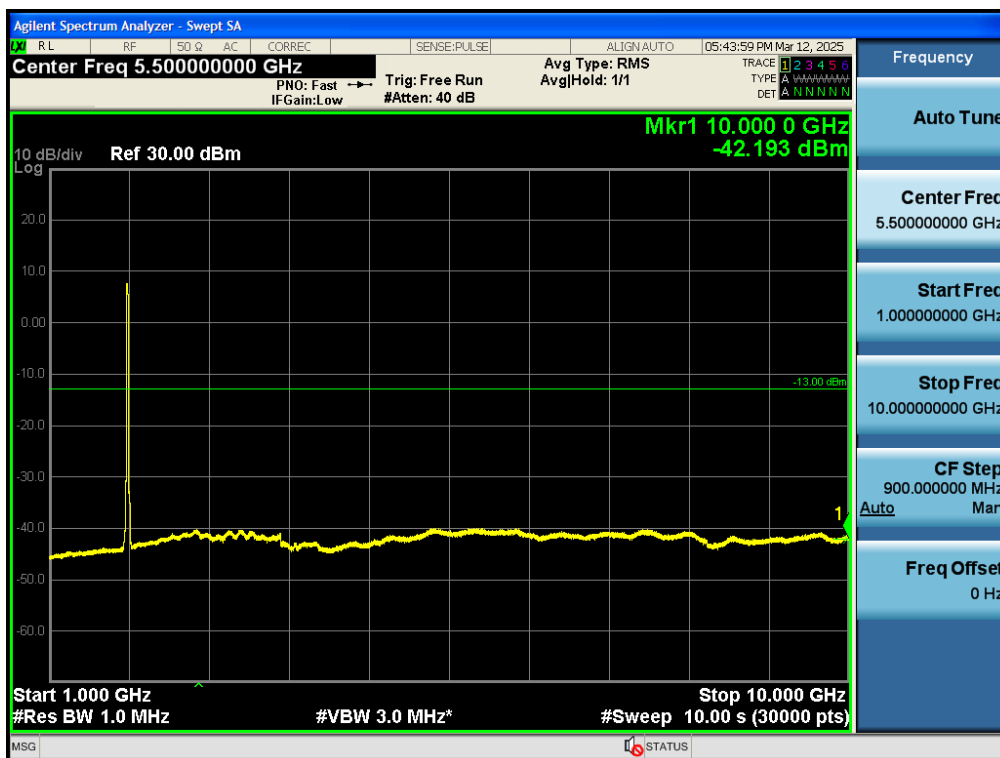
Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band2_1860MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



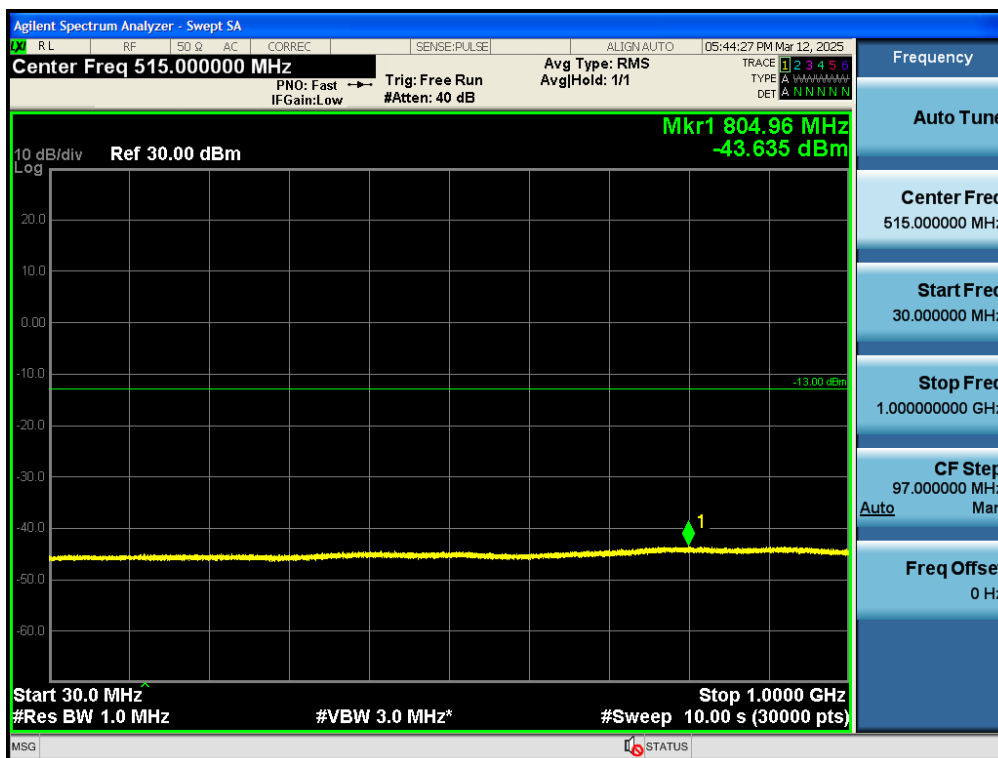
Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_30M_1G_TX



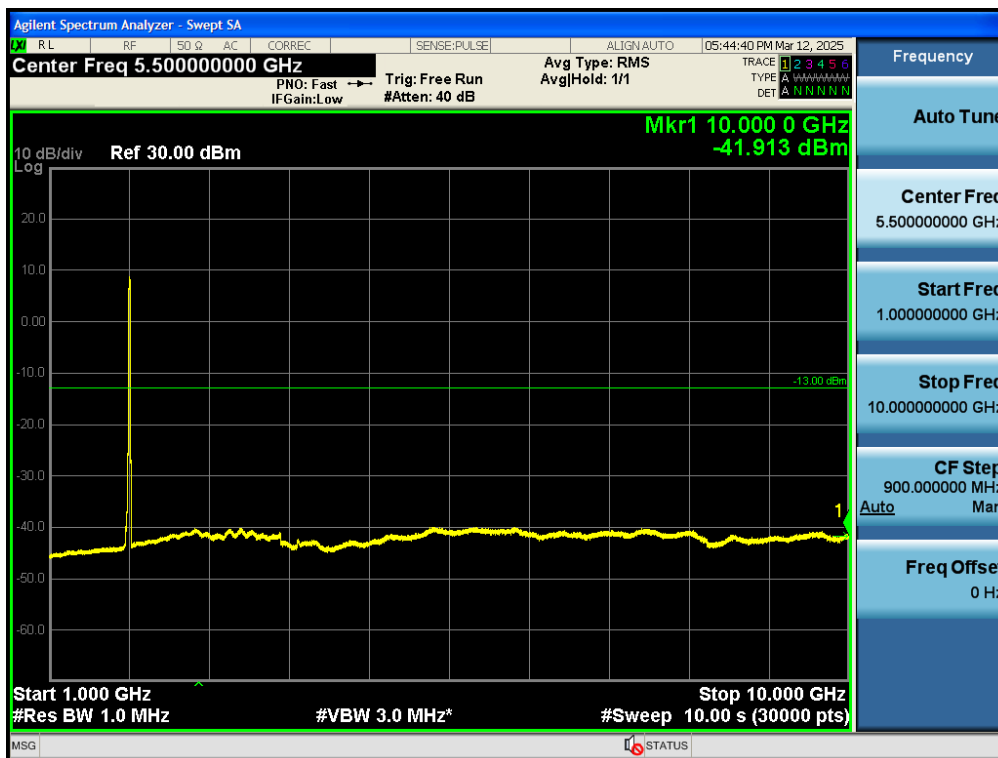
Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band2_1880MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_30M_1G_TX



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_1G_10G_TX



Test_Graph_band2_1900MHz_20M_QPSK_100RB#LOW_10G_20.0G_TX

Appendix E: Frequency stability

Test Result

Test Conditions		LTE Band 2(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0057	PASS
40	Normal Voltage	0.0073	
30	Normal Voltage	0.0078	
20(Ref.)	Normal Voltage	0.0049	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0083	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0050	
20	Normal Voltage	0.0061	
20	Battery End Point	0.0070	