LTE Band12 Test Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

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Appendix B: Peak-to-Average Ratio

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Appendix C: 26dB Bandwidth and Occupied Bandwidth

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Appendix D: Band Edge

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Appendix E: Conducted Spurious Emission

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Appendix F: Frequency Stability

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.85	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.95	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.92	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.03	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.00	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.99	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.08	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.09	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.06	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.08	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.03	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.06	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.04	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.06	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.11	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.06	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.05	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.10	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.08	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.01	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.14	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.17	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.06	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.03	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.08	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.07	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.93	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.01	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.12	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.99	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.90	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.93	PASS

Band12	1.4MHz	16QAM	23095	3RB#3	22.90	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.24	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.37	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.18	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.94	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.93	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.95	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.07	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.92	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.97	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.99	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.98	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.02	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.99	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.06	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.01	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.09	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.02	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.15	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.13	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.12	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.99	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.98	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.95	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.09	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.07	PASS
Band12	3MHz	QPSK	23165	8RB#7	23.10	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.13	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.17	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.11	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.13	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.18	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.13	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.11	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.11	PASS

Band12	3MHz	16QAM	23095	1RB#0	23.24	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.19	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.30	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.17	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.15	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.15	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.91	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.92	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.92	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.14	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.11	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.11	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.98	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.95	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.03	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.96	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.06	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.03	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.04	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.05	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.08	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.19	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.06	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.16	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.18	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.17	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.17	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.17	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.15	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.04	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.12	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.11	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.06	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.08	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.09	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.19	PASS

Band12	5MHz	16QAM	23035	1RB#24	23.06	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.08	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.13	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.05	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.08	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.32	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.39	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.28	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.32	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.31	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.19	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.15	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.20	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.21	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.15	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.21	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.18	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.10	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.18	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.07	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.01	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.97	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.17	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.21	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.04	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.19	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.09	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.17	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.01	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.13	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.09	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.19	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.21	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.13	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.02	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.93	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.06	PASS

Band12	10MHz	QPSK	23130	25RB#12	23.08	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.99	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.03	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.45	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.19	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.34	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.20	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.24	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.10	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.13	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.29	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.31	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.28	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.22	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.24	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.20	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.25	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.96	PASS
Band12	10MHz	16QAM	23130	1RB#24	22.92	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.85	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.16	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.15	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.04	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.06	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	2.95	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3.97	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.64	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.41	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.00	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.71	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3.80	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	4.94	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	4.47	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.30	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.94	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.61	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	2.86	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.14	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.70	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.32	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.67	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.73	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	3.81	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.06	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.46	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.28	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.44	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.60	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	2.89	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.35	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.86	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.49	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.44	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.59	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	3.67	13	PASS

Band12	5MHz	16QAM	23035	25RB#0	5.24	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.70	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.31	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.13	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.46	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	2.80	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.58	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.84	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.85	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.57	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.75	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	3.55	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.48	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.74	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.62	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.50	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.66	13	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0

Band12-1.4MHz-QPSK-23017-6RB#0

Band12-1.4MHz-QPSK-23095-1RB#0

Band12-1.4MHz-QPSK-23095-6RB#0

Band12-1.4MHz-QPSK-23173-1RB#0

Band12-1.4MHz-QPSK-23173-6RB#0

Band12-1.4MHz-16QAM-23017-1RB#0

Band12-1.4MHz-16QAM-23017-6RB#0

Band12-1.4MHz-16QAM-23095-1RB#0

Band12-1.4MHz-16QAM-23095-6RB#0

Band12-1.4MHz-16QAM-23173-1RB#0

Band12-1.4MHz-16QAM-23173-6RB#0

Band12-3MHz-QPSK-23025-1RB#0

Band12-3MHz-QPSK-23025-15RB#0

Band12-3MHz-QPSK-23095-1RB#0

Band12-3MHz-QPSK-23095-15RB#0

Band12-3MHz-QPSK-23165-1RB#0

Band12-3MHz-QPSK-23165-15RB#0

Band12-3MHz-16QAM-23025-1RB#0

Band12-3MHz-16QAM-23025-15RB#0

Band12-3MHz-16QAM-23095-1RB#0

Band12-3MHz-16QAM-23095-15RB#0

Band12-3MHz-16QAM-23165-1RB#0

Band12-3MHz-16QAM-23165-15RB#0

Band12-5MHz-QPSK-23035-1RB#0

Band12-5MHz-QPSK-23035-25RB#0

Band12-5MHz-QPSK-23095-1RB#0

Band12-5MHz-QPSK-23095-25RB#0

Band12-5MHz-QPSK-23155-1RB#0

Band12-5MHz-QPSK-23155-25RB#0

Band12-5MHz-16QAM-23035-1RB#0

Band12-5MHz-16QAM-23035-25RB#0

Band12-5MHz-16QAM-23095-1RB#0

Band12-5MHz-16QAM-23095-25RB#0

Band12-5MHz-16QAM-23155-1RB#0

Band12-5MHz-16QAM-23155-25RB#0

Band12-10MHz-QPSK-23060-1RB#0

Band12-10MHz-QPSK-23060-50RB#0

Band12-10MHz-QPSK-23095-1RB#0

Band12-10MHz-QPSK-23095-50RB#0

Band12-10MHz-QPSK-23130-1RB#0

Band12-10MHz-QPSK-23130-50RB#0

Band12-10MHz-16QAM-23060-1RB#0

Band12-10MHz-16QAM-23060-50RB#0

Band12-10MHz-16QAM-23095-1RB#0

Band12-10MHz-16QAM-23095-50RB#0

Band12-10MHz-16QAM-23130-1RB#0

Band12-10MHz-16QAM-23130-50RB#0

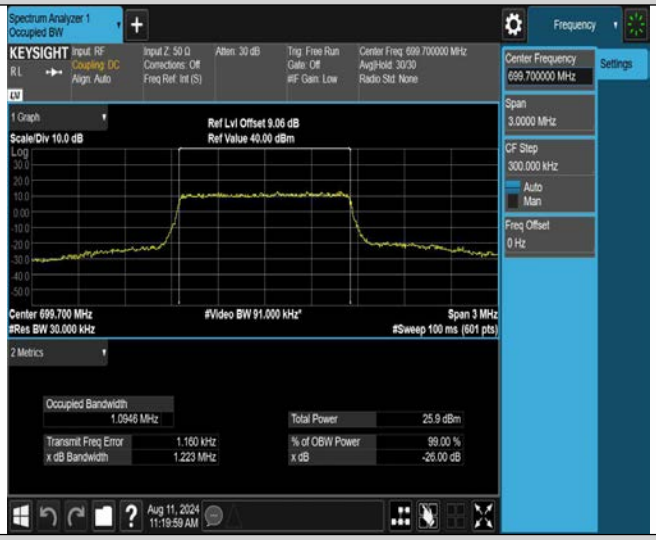
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

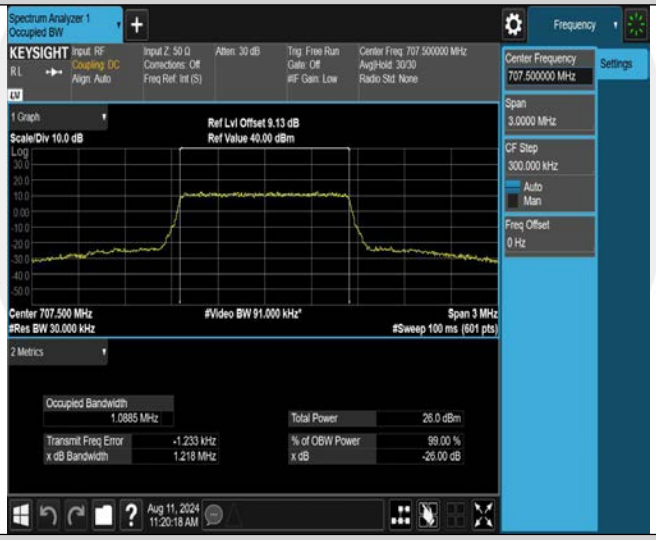
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0946	1.223	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0885	1.218	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0881	1.222	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0917	1.220	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0895	1.215	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0908	1.222	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6873	2.944	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7000	2.939	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6943	2.917	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6939	2.928	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6987	2.957	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6955	2.901	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4827	4.825	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5077	4.870	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4915	4.817	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4842	4.814	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5117	4.903	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4882	4.808	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9499	9.489	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0264	9.583	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9376	9.488	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9436	9.483	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0171	9.571	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9321	9.497	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-6RB#0



Band12-1.4MHz-QPSK-23095-6RB#0

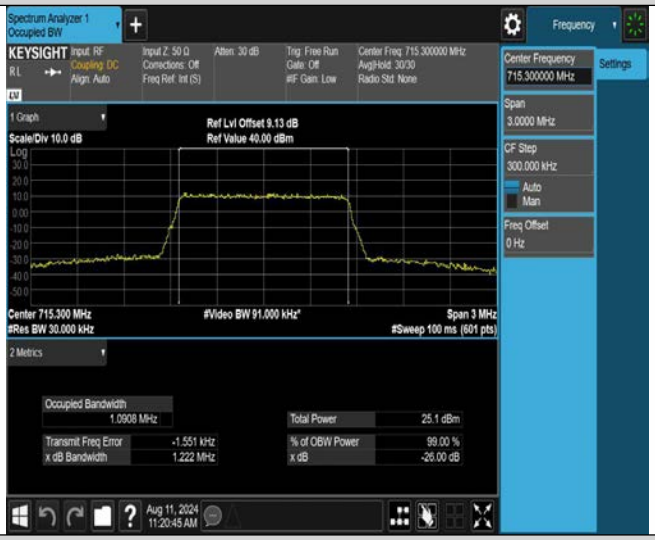


Band12-1.4MHz-QPSK-23173-6RB#0

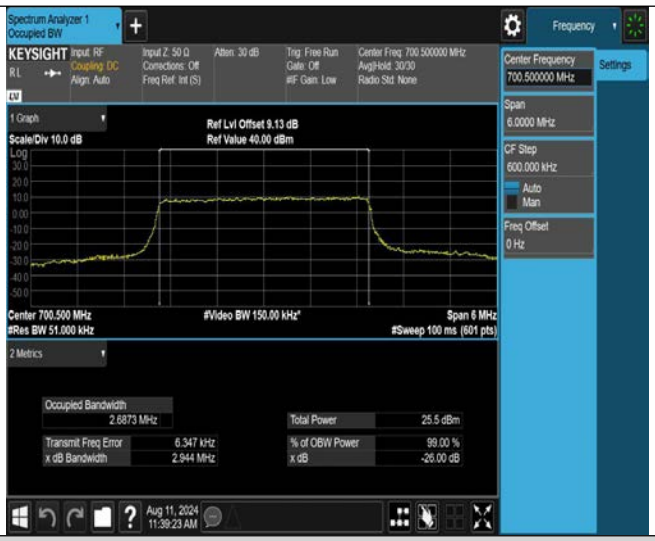
Band12-1.4MHz-16QAM-23017-6RB#0

Band12-1.4MHz-16QAM-23095-6RB#0

Band12-1.4MHz-16QAM-23173-6RB#0

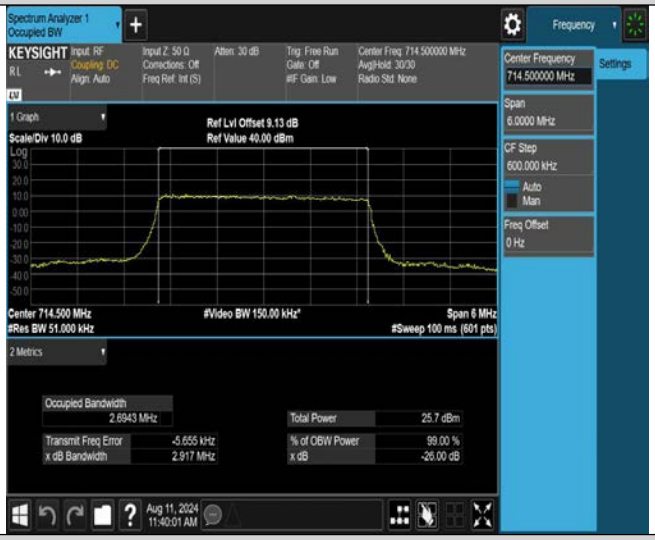


Band12-3MHz-QPSK-23025-15RB#0

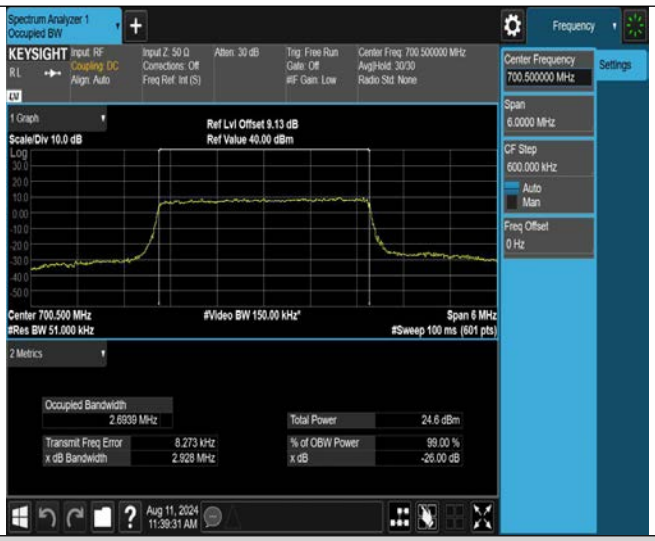


Band12-3MHz-QPSK-23095-15RB#0

Band12-3MHz-QPSK-23165-15RB#0



Band12-3MHz-16QAM-23025-15RB#0



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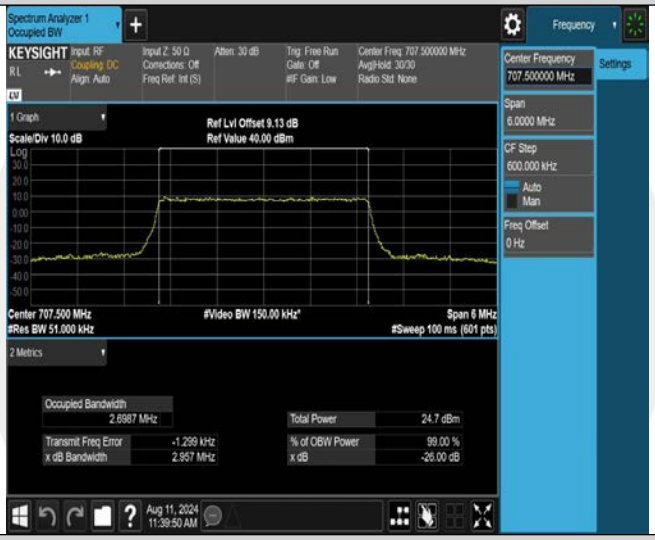
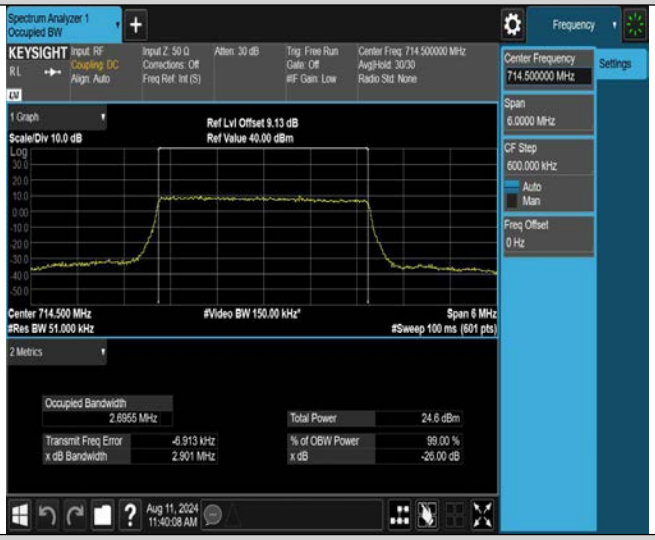
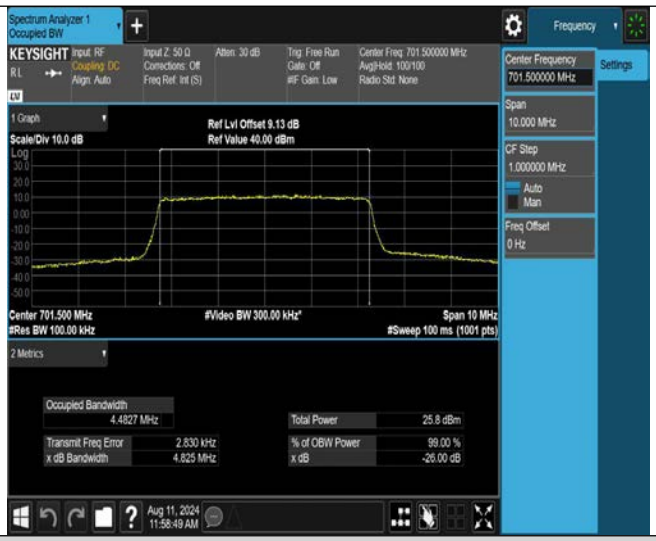


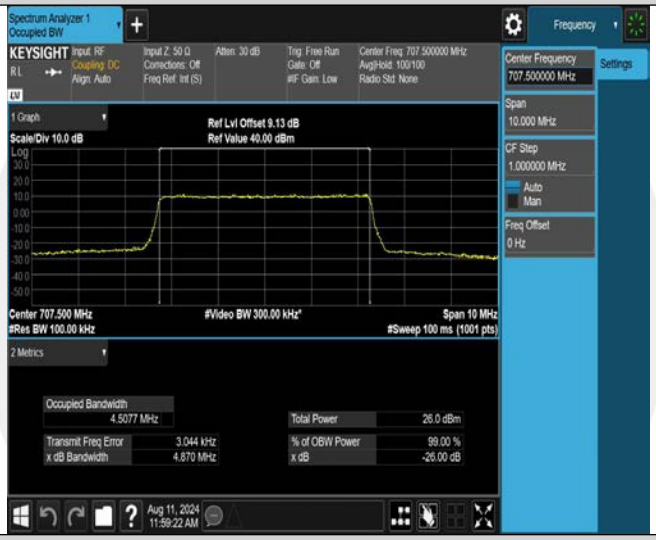
Band12-3MHz-16QAM-23165-15RB#0



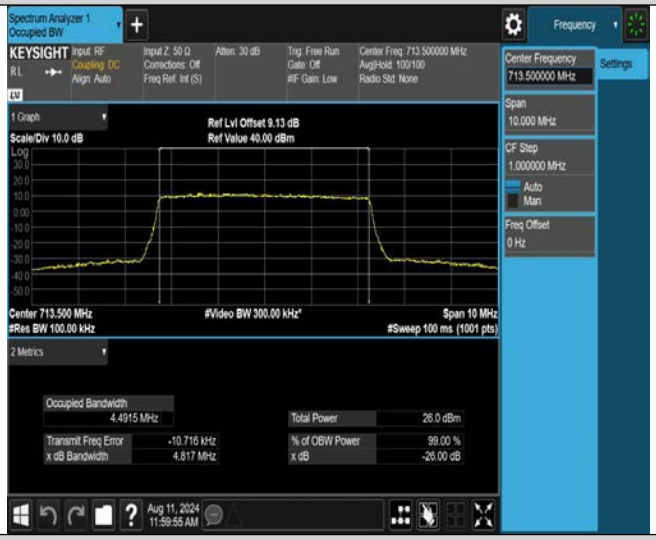
Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-QPSK-23095-25RB#0



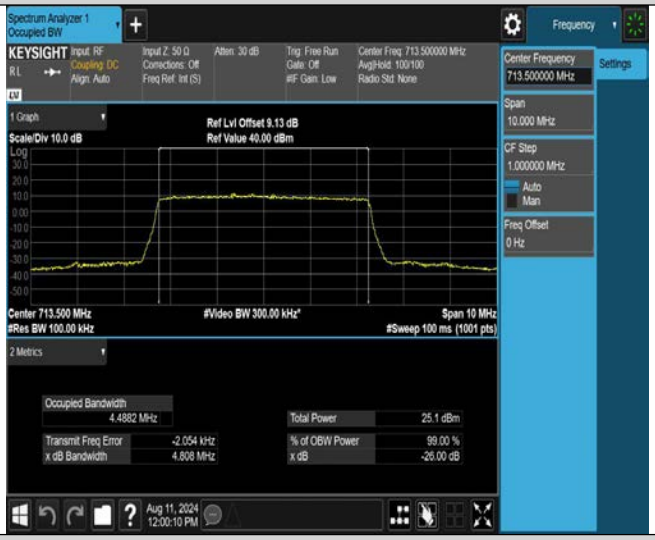
Band12-5MHz-QPSK-23155-25RB#0



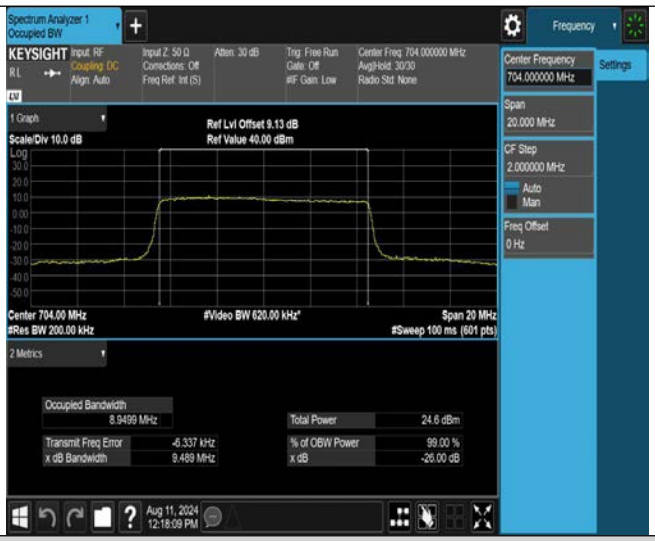
Band12-5MHz-16QAM-23035-25RB#0

Band12-5MHz-16QAM-23095-25RB#0

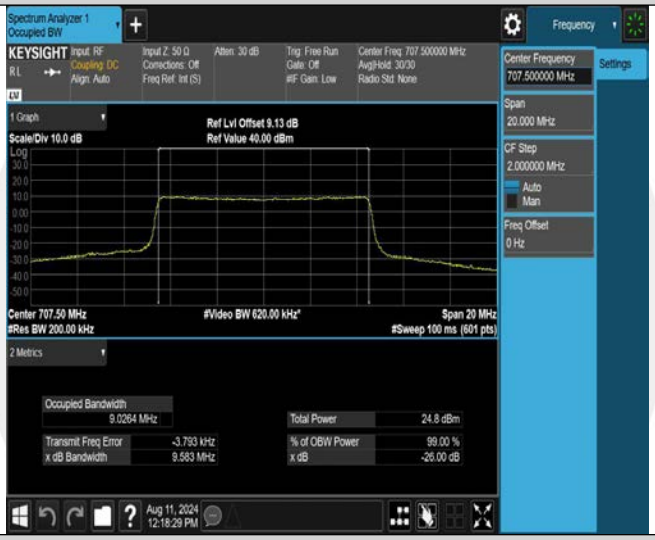
Band12-5MHz-16QAM-23155-25RB#0



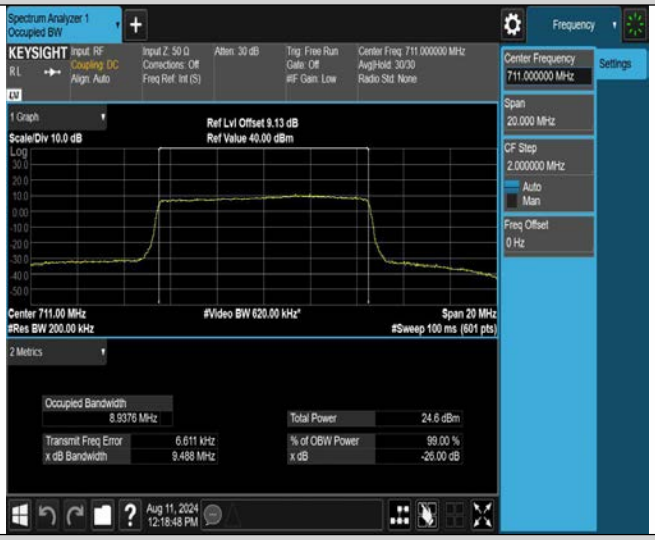
Band12-10MHz-QPSK-23060-50RB#0



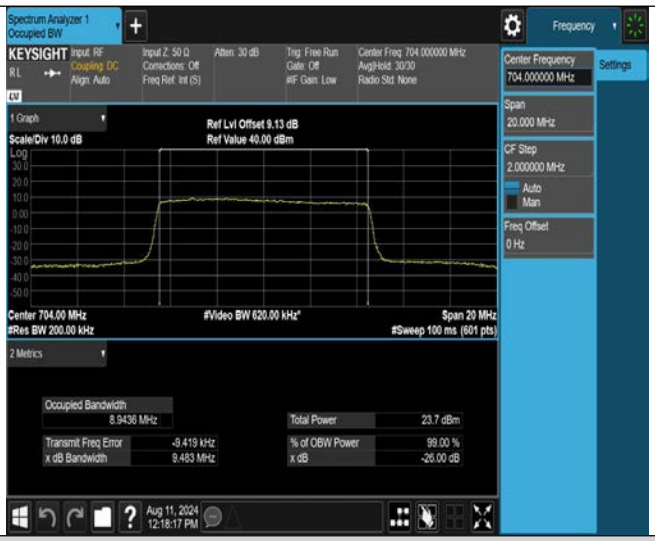
Band12-10MHz-QPSK-23095-50RB#0



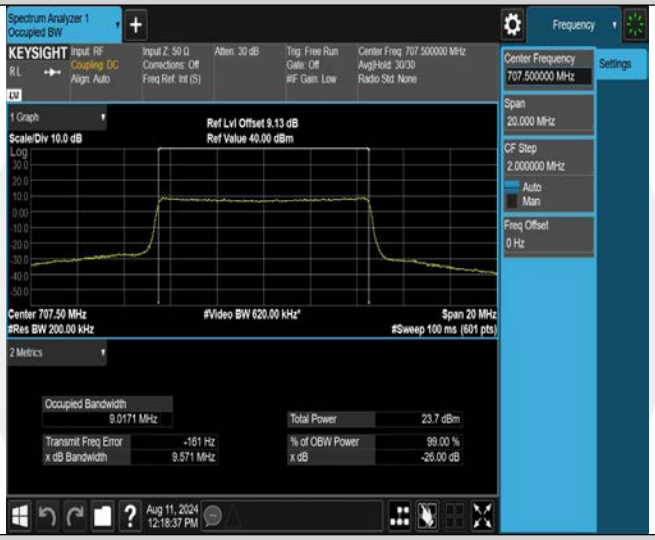
Band12-10MHz-QPSK-23130-50RB#0



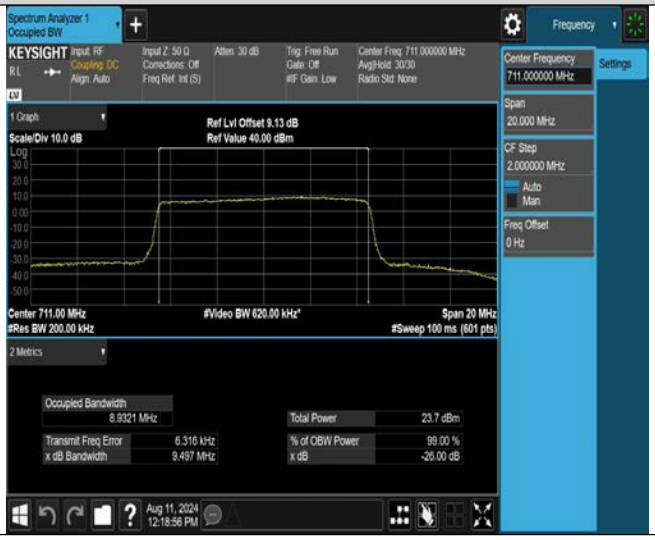
Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-29.72,-21.43	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-41.89,-51.40	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-26.05,-25.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-51.88,-45.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-24.59,-35.70	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-30.77,-31.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-31.49,-22.53	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-42.03,-51.75	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-29.31,-27.75	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-52.41,-45.83	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-26.92,-35.51	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-32.88,-33.28	PASS
Band12	3MHz	QPSK	23025	1RB#0	-25.09,-13.44	PASS
Band12	3MHz	QPSK	23025	1RB#14	-49.52,-53.62	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.04,-23.16	PASS
Band12	3MHz	QPSK	23165	1RB#0	-52.73,-50.37	PASS
Band12	3MHz	QPSK	23165	1RB#14	-16.23,-30.94	PASS
Band12	3MHz	QPSK	23165	15RB#0	-24.67,-32.56	PASS
Band12	3MHz	16QAM	23025	1RB#0	-26.61,-13.91	PASS
Band12	3MHz	16QAM	23025	1RB#14	-50.70,-54.44	PASS
Band12	3MHz	16QAM	23025	15RB#0	-30.95,-25.45	PASS
Band12	3MHz	16QAM	23165	1RB#0	-54.46,-50.55	PASS
Band12	3MHz	16QAM	23165	1RB#14	-17.53,-32.83	PASS
Band12	3MHz	16QAM	23165	15RB#0	-26.75,-34.34	PASS
Band12	5MHz	QPSK	23035	1RB#0	-16.22	PASS
Band12	5MHz	QPSK	23035	1RB#24	-56.73	PASS
Band12	5MHz	QPSK	23035	25RB#0	-25.93	PASS
Band12	5MHz	QPSK	23155	1RB#0	-55.03	PASS
Band12	5MHz	QPSK	23155	1RB#24	-18.20	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.26	PASS
Band12	5MHz	16QAM	23035	1RB#0	-17.38	PASS
Band12	5MHz	16QAM	23035	1RB#24	-57.08	PASS

Band12	5MHz	16QAM	23035	25RB#0	-28.14	PASS
Band12	5MHz	16QAM	23155	1RB#0	-55.65	PASS
Band12	5MHz	16QAM	23155	1RB#24	-18.49	PASS
Band12	5MHz	16QAM	23155	25RB#0	-28.09	PASS
Band12	10MHz	QPSK	23060	1RB#0	-29.65,-22.66	PASS
Band12	10MHz	QPSK	23060	1RB#49	-56.12,-52.16	PASS
Band12	10MHz	QPSK	23060	50RB#0	-28.17,-26.66	PASS
Band12	10MHz	QPSK	23130	1RB#0	-54.47,-56.62	PASS
Band12	10MHz	QPSK	23130	1RB#49	-24.94,-34.32	PASS
Band12	10MHz	QPSK	23130	50RB#0	-29.17,-31.16	PASS
Band12	10MHz	16QAM	23060	1RB#0	-30.40,-23.93	PASS
Band12	10MHz	16QAM	23060	1RB#49	-55.45,-51.57	PASS
Band12	10MHz	16QAM	23060	50RB#0	-30.87,-29.39	PASS
Band12	10MHz	16QAM	23130	1RB#0	-54.51,-56.97	PASS
Band12	10MHz	16QAM	23130	1RB#49	-26.82,-35.98	PASS
Band12	10MHz	16QAM	23130	50RB#0	-30.74,-32.58	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0

Band12-1.4MHz-QPSK-23017-1RB#5

Band12-1.4MHz-QPSK-23017-6RB#0

Band12-1.4MHz-QPSK-23173-1RB#0

Band12-1.4MHz-QPSK-23173-1RB#5

Band12-1.4MHz-QPSK-23173-6RB#0

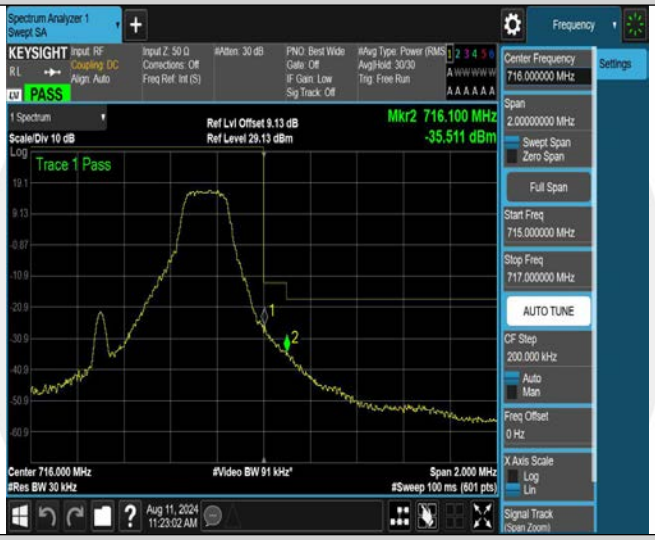
Band12-1.4MHz-16QAM-23017-1RB#0

Band12-1.4MHz-16QAM-23017-1RB#5

Band12-1.4MHz-16QAM-23017-6RB#0

Band12-1.4MHz-16QAM-23173-1RB#0

Band12-1.4MHz-16QAM-23173-1RB#5



Band12-1.4MHz-16QAM-23173-6RB#0

Band12-3MHz-QPSK-23025-1RB#0

Band12-3MHz-QPSK-23025-1RB#14

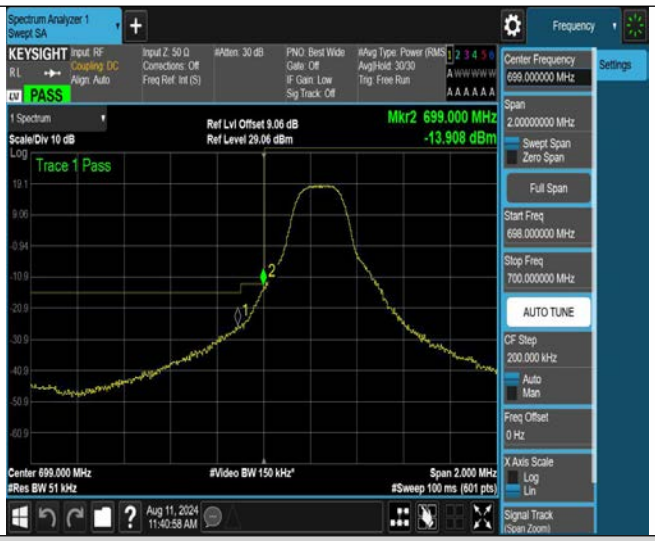
Band12-3MHz-QPSK-23025-15RB#0

Band12-3MHz-QPSK-23165-1RB#0

Band12-3MHz-QPSK-23165-1RB#14

Band12-3MHz-QPSK-23165-15RB#0

Band12-3MHz-16QAM-23025-1RB#0



Band12-3MHz-16QAM-23025-1RB#14

Band12-3MHz-16QAM-23025-15RB#0

Band12-3MHz-16QAM-23165-1RB#0

Band12-3MHz-16QAM-23165-1RB#14

Band12-3MHz-16QAM-23165-15RB#0

Band12-5MHz-QPSK-23035-1RB#0

Band12-5MHz-QPSK-23035-1RB#24

Band12-5MHz-QPSK-23035-25RB#0

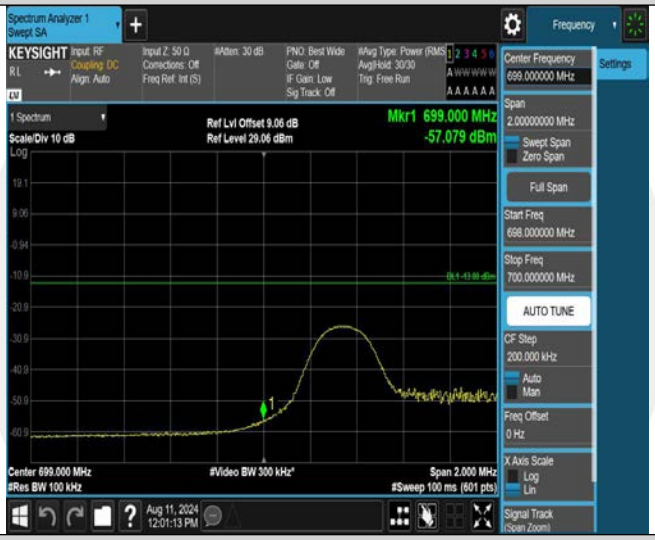
Band12-5MHz-QPSK-23155-1RB#0

Band12-5MHz-QPSK-23155-1RB#24

Band12-5MHz-QPSK-23155-25RB#0

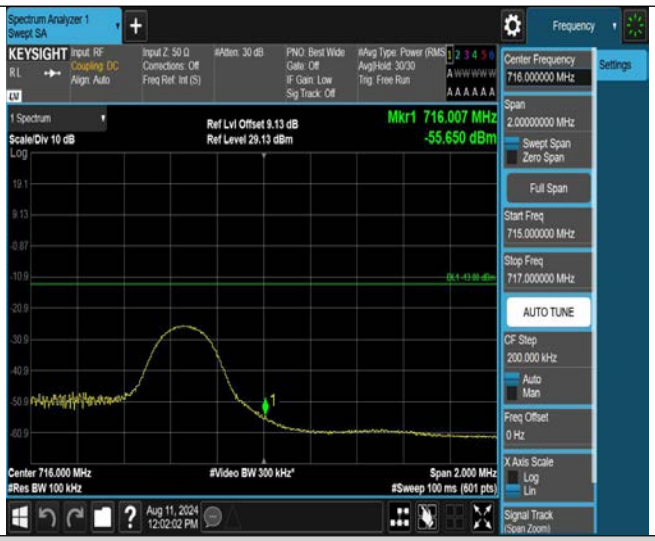
Band12-5MHz-16QAM-23035-1RB#0

Band12-5MHz-16QAM-23035-1RB#24



Band12-5MHz-16QAM-23035-25RB#0

Band12-5MHz-16QAM-23155-1RB#0



Band12-5MHz-16QAM-23155-1RB#24

Band12-5MHz-16QAM-23155-25RB#0

Band12-10MHz-QPSK-23060-1RB#0

Band12-10MHz-QPSK-23060-1RB#49

Band12-10MHz-QPSK-23060-50RB#0

Band12-10MHz-QPSK-23130-1RB#0

Band12-10MHz-QPSK-23130-1RB#49

Band12-10MHz-QPSK-23130-50RB#0

Band12-10MHz-16QAM-23060-1RB#0

Band12-10MHz-16QAM-23060-1RB#49

Band12-10MHz-16QAM-23060-50RB#0

Band12-10MHz-16QAM-23130-1RB#0

Band12-10MHz-16QAM-23130-1RB#49

Band12-10MHz-16QAM-23130-50RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-45.56	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-34.81	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.15	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-36.1	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-45.46	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-35.54	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-45.61	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-36.13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.49	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-36.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-45.07	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-35.26	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-45.18	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-36.26	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-44.82	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-36.38	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~10	-45.19	PASS

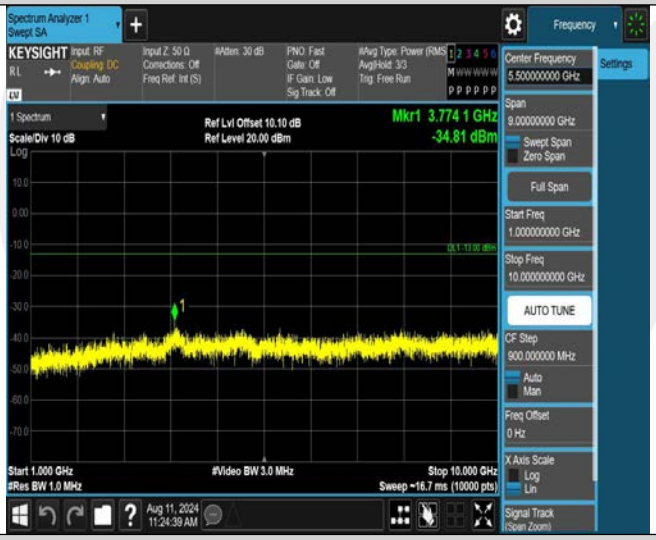
					00MHz		
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-35.67	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-45.55	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-35.83	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.48	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-45.91	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-36.68	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-45.5	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-35.07	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.08	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.88	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-45.43	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-35.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-46.08	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-34.39	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-36.71	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-45.15	PASS

Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-34.85	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-45.31	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-36.22	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-45.73	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.8	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-44.11	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-36.02	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-45.55	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-34.48	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-46.26	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.74	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-45.89	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-35.98	PASS

Test Graphs

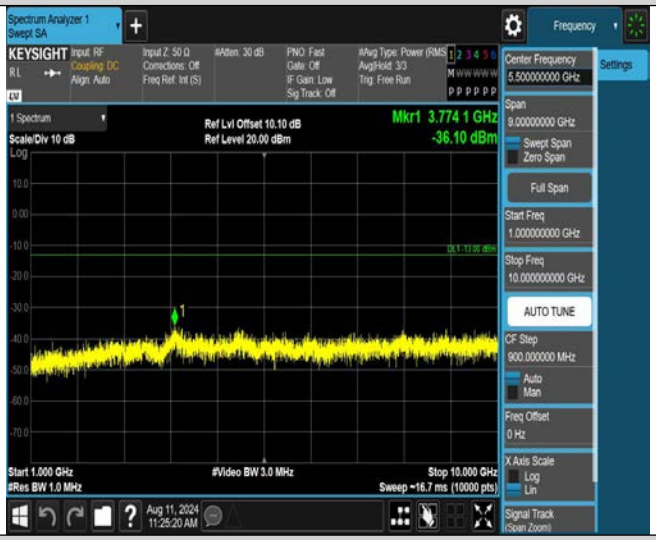
Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz

Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz



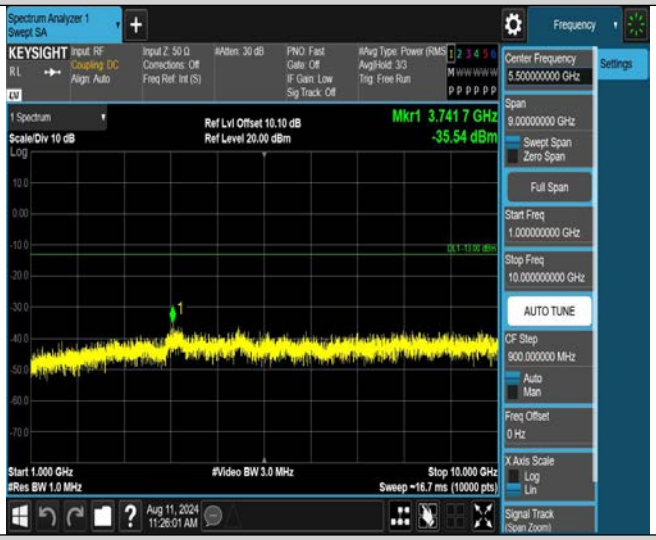
Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



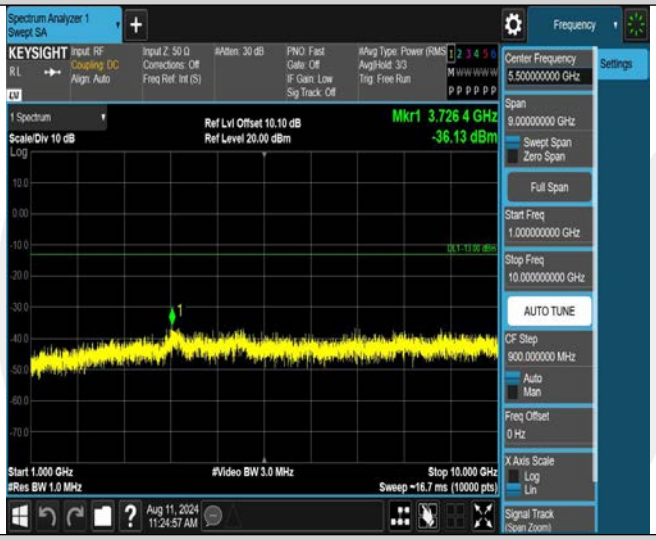
Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz

Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz



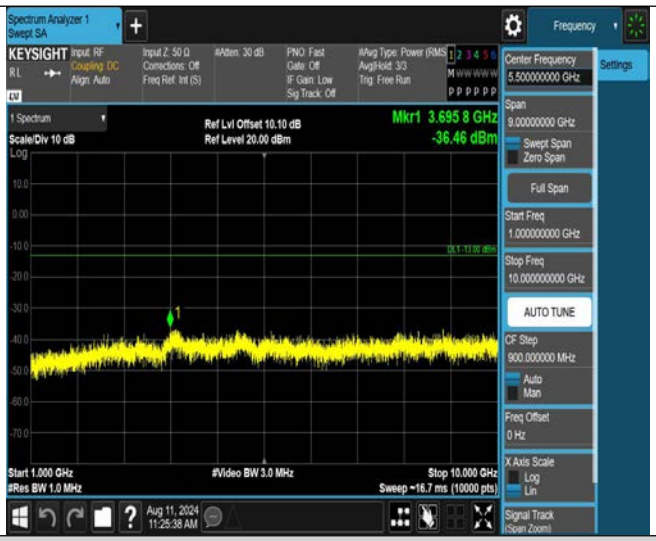
Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz

Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz



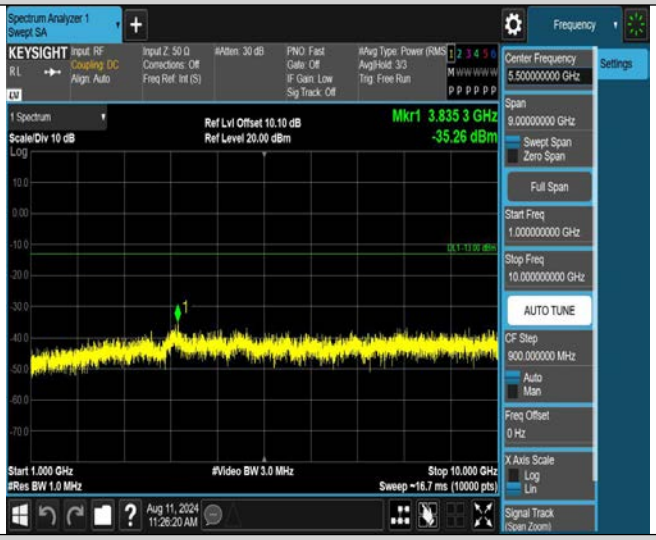
Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



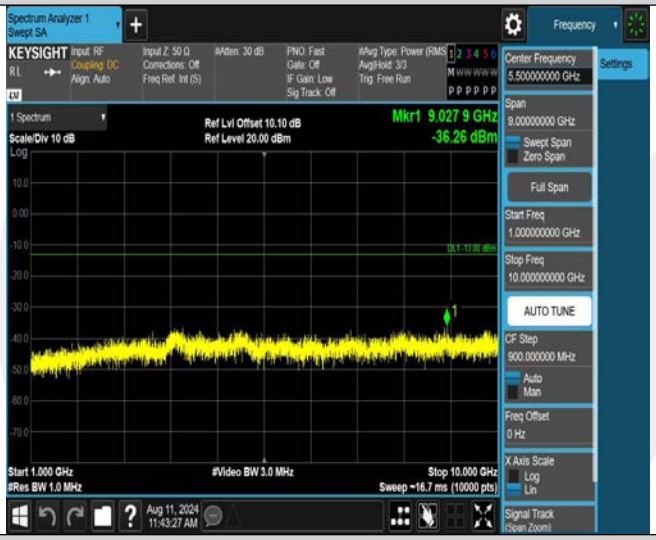
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz

Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



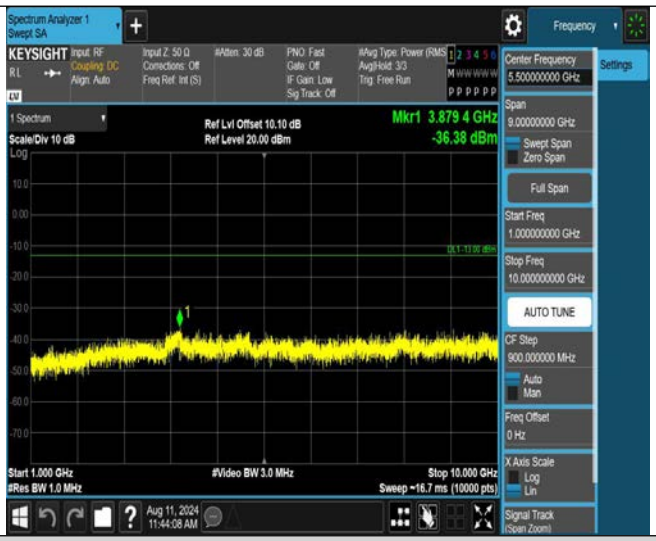
Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz

Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz



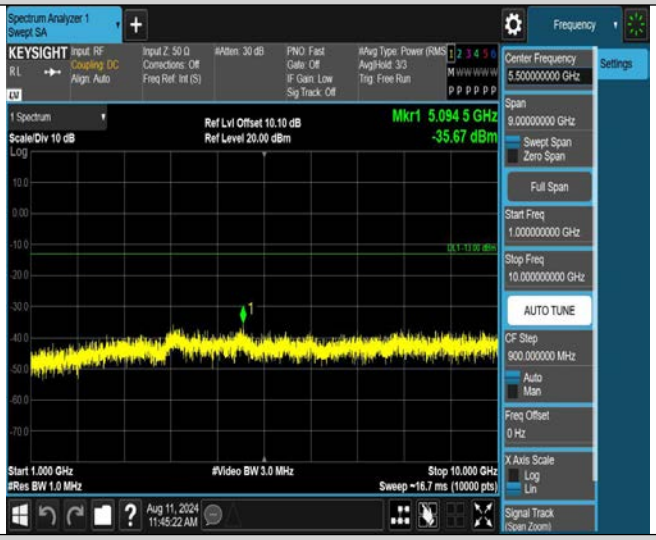
Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



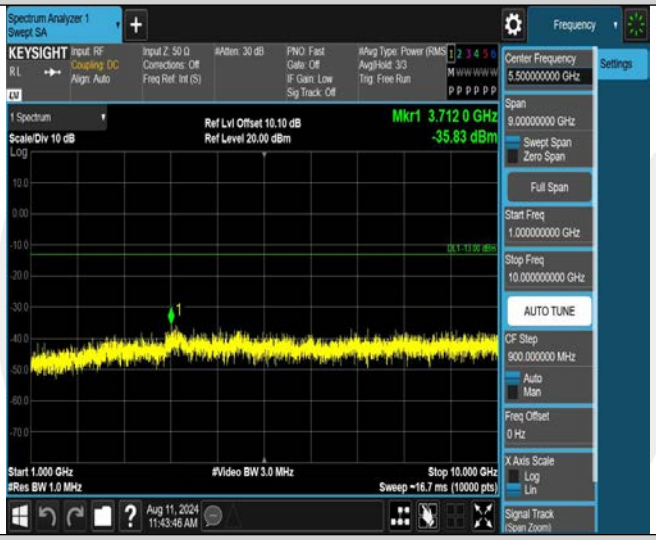
Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz

Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz

Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz



Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz