LTE Band5 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 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
Band5	1.4MHz	QPSK	20407	1RB#0	24.09	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.13	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.09	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.07	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.10	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.12	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.08	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.32	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.26	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.30	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.30	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.29	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.28	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.13	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.16	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.15	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.11	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.13	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.14	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.12	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.23	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.31	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.23	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.04	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.03	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.04	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.98	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.22	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.30	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.18	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.16	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.16	PASS

Band5	1.4MHz	16QAM	20525	3RB#3	23.12	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.32	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.37	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.39	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.34	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.00	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.00	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.97	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.13	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.10	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.14	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.07	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.20	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.19	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.16	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.19	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.36	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.28	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.26	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.34	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.38	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.32	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.36	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.29	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.28	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.18	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.35	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.35	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.30	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.33	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.33	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.32	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.28	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.22	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.20	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.17	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.19	PASS

Band5	3MHz	16QAM	20525	1RB#0	23.57	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.56	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.42	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.38	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.38	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.39	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.28	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.24	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.24	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.23	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.37	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.36	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.38	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.21	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.23	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.28	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.20	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.17	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.18	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.25	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.19	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.40	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.46	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.31	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.37	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.39	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.34	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.33	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.35	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.43	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.31	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.38	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.40	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.34	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.34	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.24	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.31	PASS

Band5	5MHz	16QAM	20425	1RB#24	23.35	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.17	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.22	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.23	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.19	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.66	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.65	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.52	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.44	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.43	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.43	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.35	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.34	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.50	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.34	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.42	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.42	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.39	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.00	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.01	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.93	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.04	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.03	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.04	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.14	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.18	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.18	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.05	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.27	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.25	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.20	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.25	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.14	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.10	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.11	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.13	PASS

Band5	10MHz	QPSK	20600	25RB#12	23.17	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.21	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.18	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.20	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.19	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.20	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.00	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.06	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.06	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.10	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.42	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.34	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.31	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.32	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.32	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.20	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.24	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.13	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.05	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.09	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.23	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.21	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.21	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.17	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.46	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.16	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.30	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.09	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.15	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.85	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.34	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.96	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.12	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.88	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.14	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.79	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.34	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.99	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.17	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.95	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.93	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.79	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.29	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.92	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.95	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.80	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.77	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.67	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	8.52	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.85	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	8.48	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.12	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	8.48	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.92	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.84	13	PASS

Band5	5MHz	16QAM	20425	25RB#0	5.69	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.94	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.89	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.53	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.73	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.02	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.96	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.09	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.11	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.87	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.86	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.95	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.81	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.92	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.71	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.70	13	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0

Band5-1.4MHz-QPSK-20407-6RB#0

Band5-1.4MHz-QPSK-20525-1RB#0

Band5-1.4MHz-QPSK-20525-6RB#0

Band5-1.4MHz-QPSK-20643-1RB#0

Band5-1.4MHz-QPSK-20643-6RB#0

Band5-1.4MHz-16QAM-20407-1RB#0

Band5-1.4MHz-16QAM-20407-6RB#0

Band5-1.4MHz-16QAM-20525-1RB#0

Band5-1.4MHz-16QAM-20525-6RB#0

Band5-1.4MHz-16QAM-20643-1RB#0

Band5-1.4MHz-16QAM-20643-6RB#0

Band5-3MHz-QPSK-20415-1RB#0

Band5-3MHz-QPSK-20415-15RB#0

Band5-3MHz-QPSK-20525-1RB#0

Band5-3MHz-QPSK-20525-15RB#0

Band5-3MHz-QPSK-20635-1RB#0

Band5-3MHz-QPSK-20635-15RB#0

Band5-3MHz-16QAM-20415-1RB#0

Band5-3MHz-16QAM-20415-15RB#0

Band5-3MHz-16QAM-20525-1RB#0

Band5-3MHz-16QAM-20525-15RB#0

Band5-3MHz-16QAM-20635-1RB#0

Band5-3MHz-16QAM-20635-15RB#0

Band5-5MHz-QPSK-20425-1RB#0

Band5-5MHz-QPSK-20425-25RB#0

Band5-5MHz-QPSK-20525-1RB#0

Band5-5MHz-QPSK-20525-25RB#0

Band5-5MHz-QPSK-20625-1RB#0

Band5-5MHz-QPSK-20625-25RB#0

Band5-5MHz-16QAM-20425-1RB#0

Band5-5MHz-16QAM-20425-25RB#0

Band5-5MHz-16QAM-20525-1RB#0

Band5-5MHz-16QAM-20525-25RB#0

Band5-5MHz-16QAM-20625-1RB#0

Band5-5MHz-16QAM-20625-25RB#0

Band5-10MHz-QPSK-20450-1RB#0

Band5-10MHz-QPSK-20450-50RB#0

Band5-10MHz-QPSK-20525-1RB#0

Band5-10MHz-QPSK-20525-50RB#0

Band5-10MHz-QPSK-20600-1RB#0

Band5-10MHz-QPSK-20600-50RB#0

Band5-10MHz-16QAM-20450-1RB#0

Band5-10MHz-16QAM-20450-50RB#0

Band5-10MHz-16QAM-20525-1RB#0

Band5-10MHz-16QAM-20525-50RB#0

Band5-10MHz-16QAM-20600-1RB#0

Band5-10MHz-16QAM-20600-50RB#0

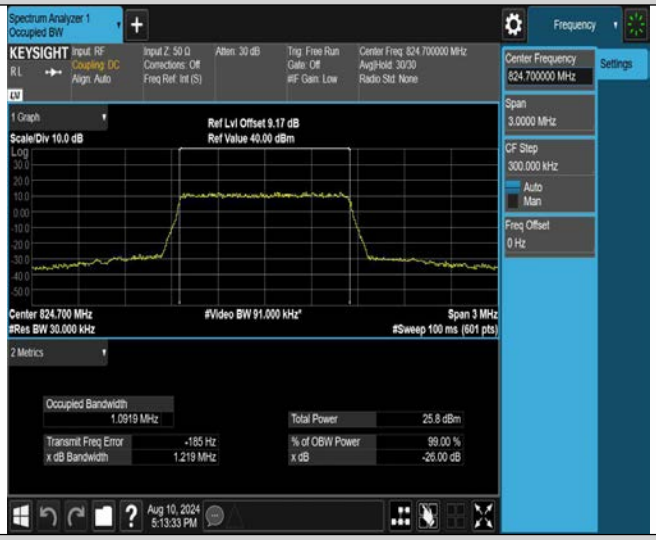
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0919	1.219	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0872	1.218	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0884	1.219	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0875	1.227	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0888	1.208	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0890	1.225	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6900	2.932	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6986	2.927	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6996	2.923	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6916	2.920	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6967	2.924	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6962	2.918	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5004	4.844	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5029	4.845	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5041	4.835	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5002	4.835	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5031	4.882	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5078	4.857	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9692	9.537	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9897	9.527	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9701	9.502	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9547	9.492	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9851	9.527	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9602	9.514	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20525-6RB#0

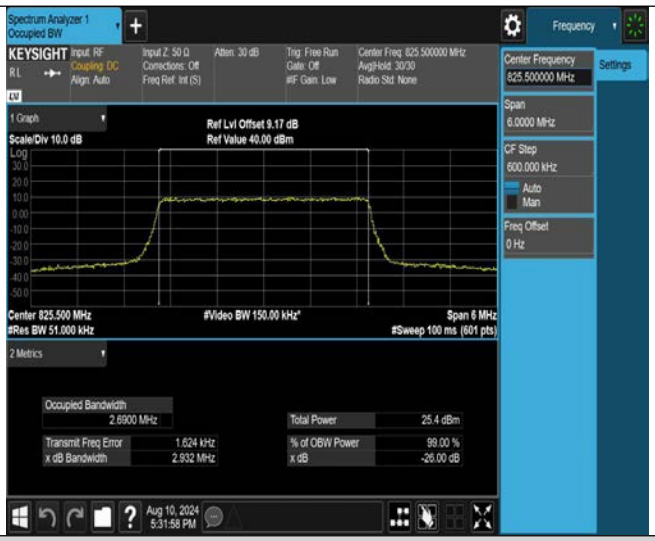
Band5-1.4MHz-QPSK-20643-6RB#0

Band5-1.4MHz-16QAM-20407-6RB#0

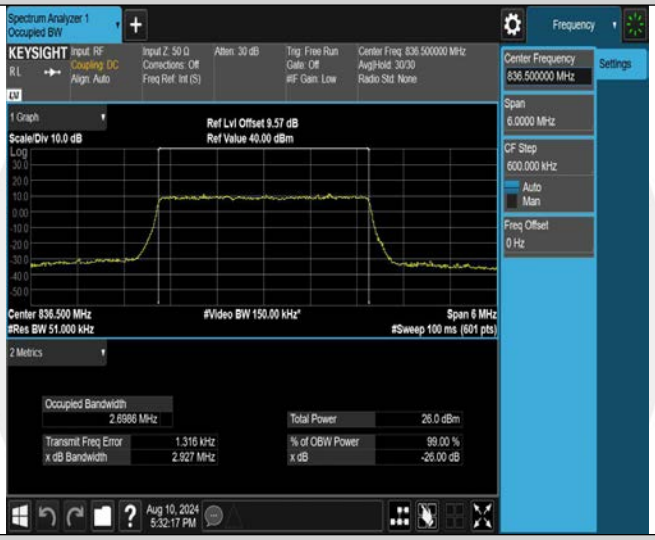
Band5-1.4MHz-16QAM-20525-6RB#0

Band5-1.4MHz-16QAM-20643-6RB#0

Band5-3MHz-QPSK-20415-15RB#0



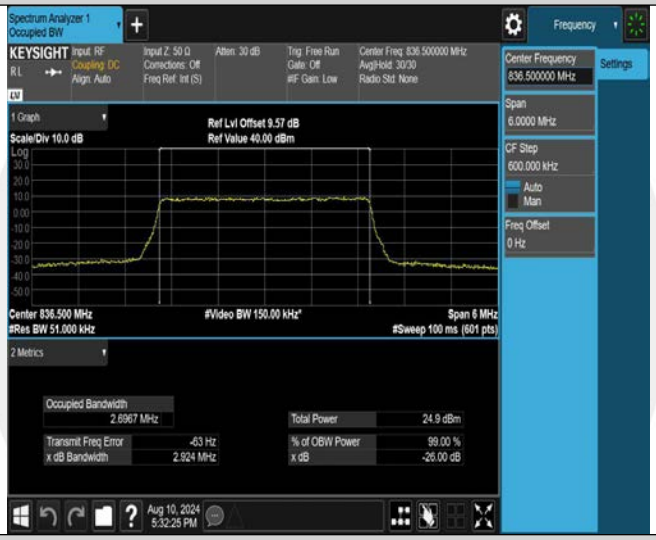
Band5-3MHz-QPSK-20525-15RB#0



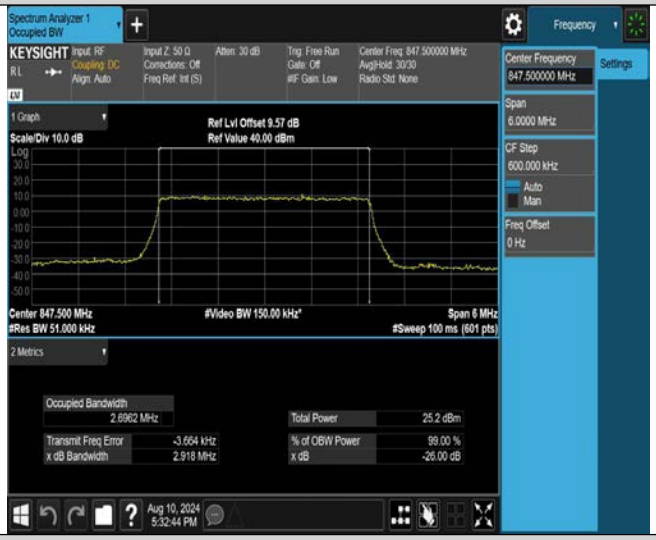
Band5-3MHz-QPSK-20635-15RB#0

Band5-3MHz-16QAM-20415-15RB#0

Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



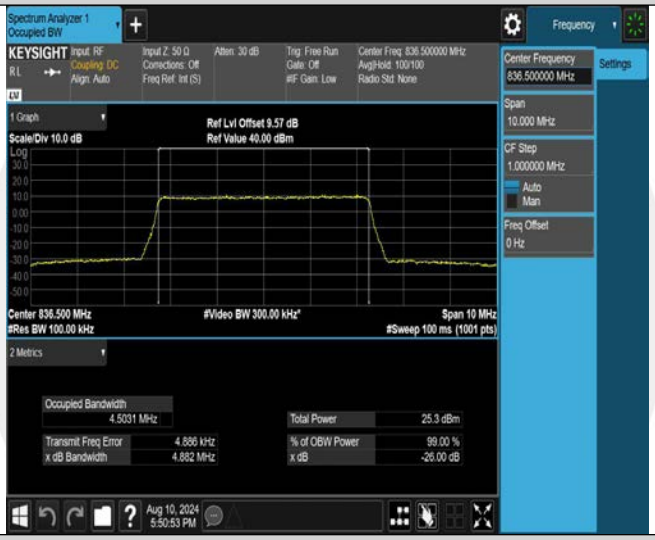
Band5-5MHz-QPSK-20425-25RB#0

Band5-5MHz-QPSK-20525-25RB#0

Band5-5MHz-QPSK-20625-25RB#0

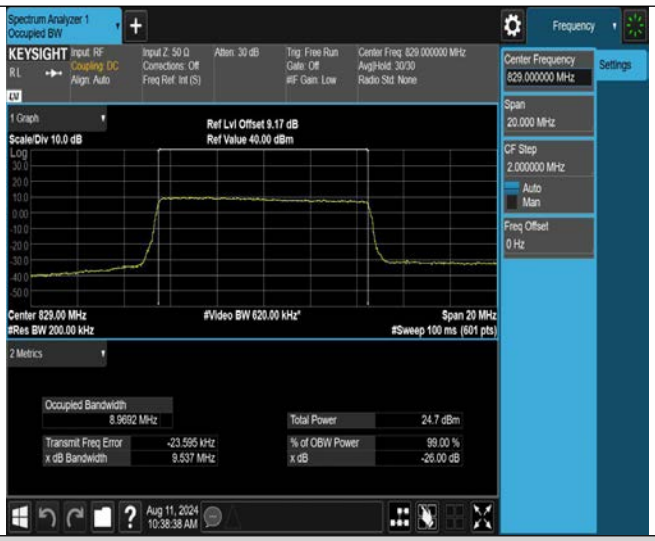
Band5-5MHz-16QAM-20425-25RB#0

Band5-5MHz-16QAM-20525-25RB#0

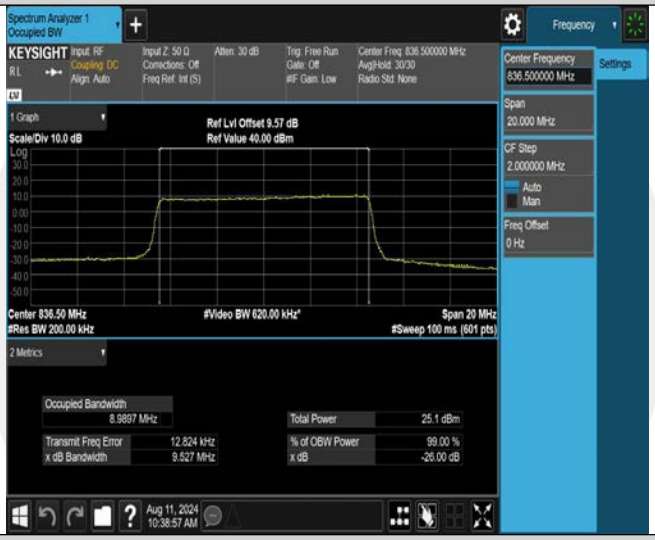


Band5-5MHz-16QAM-20625-25RB#0

Band5-10MHz-QPSK-20450-50RB#0

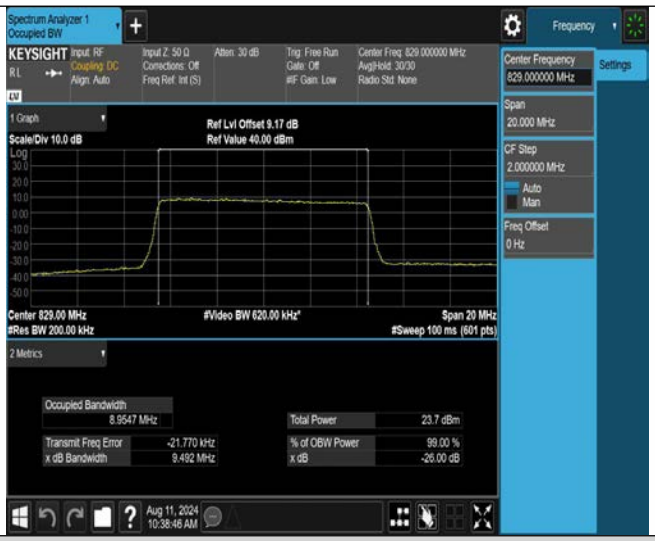


Band5-10MHz-QPSK-20525-50RB#0

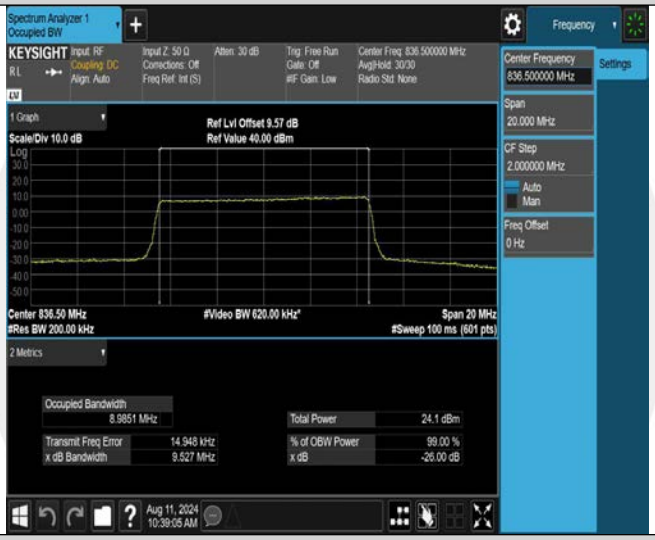


Band5-10MHz-QPSK-20600-50RB#0

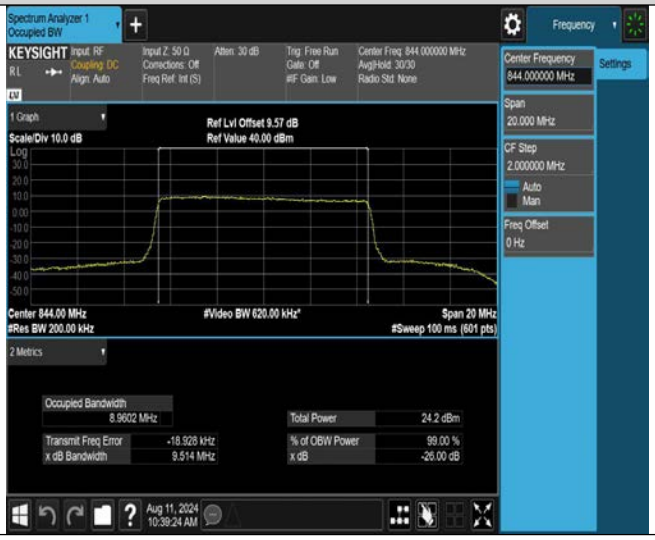
Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



Appendix D: Band Edge

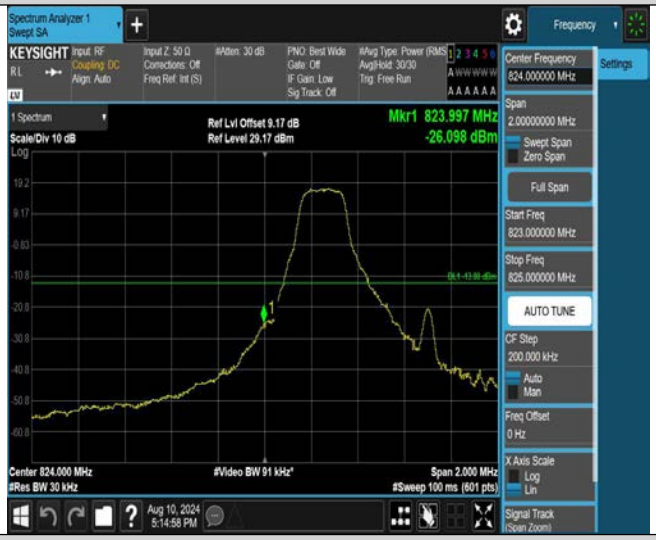
Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-26.10	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-41.66	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-30.91	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-43.28	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-19.59	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-34.36	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-28.52	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-42.17	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-30.87	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-43.82	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-23.56	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-33.36	PASS
Band5	3MHz	QPSK	20415	1RB#0	-16.55	PASS
Band5	3MHz	QPSK	20415	1RB#14	-50.62	PASS
Band5	3MHz	QPSK	20415	15RB#0	-23.72	PASS
Band5	3MHz	QPSK	20635	1RB#0	-48.03	PASS
Band5	3MHz	QPSK	20635	1RB#14	-13.65	PASS
Band5	3MHz	QPSK	20635	15RB#0	-23.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	-17.07	PASS
Band5	3MHz	16QAM	20415	1RB#14	-50.87	PASS
Band5	3MHz	16QAM	20415	15RB#0	-25.51	PASS
Band5	3MHz	16QAM	20635	1RB#0	-48.85	PASS
Band5	3MHz	16QAM	20635	1RB#14	-16.02	PASS
Band5	3MHz	16QAM	20635	15RB#0	-24.49	PASS
Band5	5MHz	QPSK	20425	1RB#0	-18.70	PASS
Band5	5MHz	QPSK	20425	1RB#24	-54.92	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.32	PASS
Band5	5MHz	QPSK	20625	1RB#0	-53.99	PASS
Band5	5MHz	QPSK	20625	1RB#24	-16.91	PASS
Band5	5MHz	QPSK	20625	25RB#0	-25.73	PASS
Band5	5MHz	16QAM	20425	1RB#0	-19.23	PASS
Band5	5MHz	16QAM	20425	1RB#24	-56.43	PASS

Band5	5MHz	16QAM	20425	25RB#0	-27.04	PASS
Band5	5MHz	16QAM	20625	1RB#0	-55.28	PASS
Band5	5MHz	16QAM	20625	1RB#24	-17.38	PASS
Band5	5MHz	16QAM	20625	25RB#0	-26.34	PASS
Band5	10MHz	QPSK	20450	1RB#0	-26.16	PASS
Band5	10MHz	QPSK	20450	1RB#49	-48.99	PASS
Band5	10MHz	QPSK	20450	50RB#0	-28.14	PASS
Band5	10MHz	QPSK	20600	1RB#0	-54.83	PASS
Band5	10MHz	QPSK	20600	1RB#49	-24.47	PASS
Band5	10MHz	QPSK	20600	50RB#0	-28.47	PASS
Band5	10MHz	16QAM	20450	1RB#0	-25.90	PASS
Band5	10MHz	16QAM	20450	1RB#49	-48.71	PASS
Band5	10MHz	16QAM	20450	50RB#0	-30.00	PASS
Band5	10MHz	16QAM	20600	1RB#0	-55.29	PASS
Band5	10MHz	16QAM	20600	1RB#49	-24.22	PASS
Band5	10MHz	16QAM	20600	50RB#0	-29.91	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0

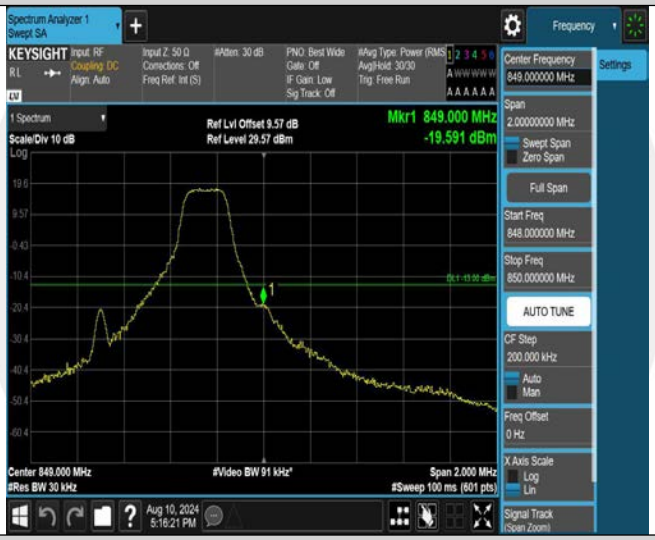


Band5-1.4MHz-QPSK-20407-1RB#5

Band5-1.4MHz-QPSK-20407-6RB#0

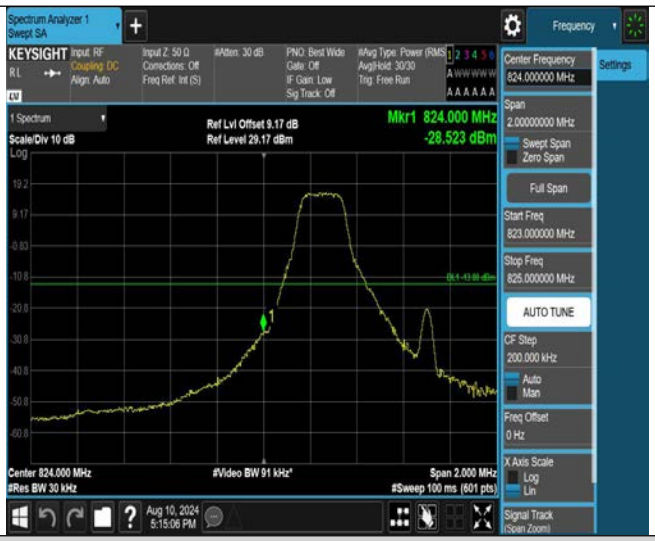
Band5-1.4MHz-QPSK-20643-1RB#0

Band5-1.4MHz-QPSK-20643-1RB#5



Band5-1.4MHz-QPSK-20643-6RB#0

Band5-1.4MHz-16QAM-20407-1RB#0

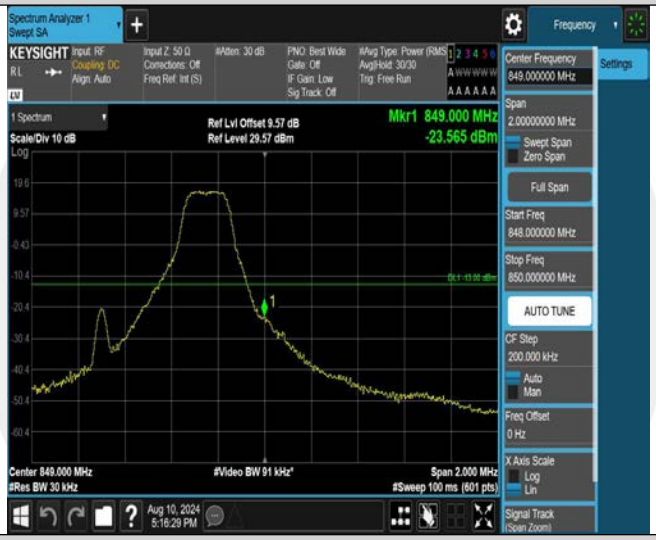


Band5-1.4MHz-16QAM-20407-1RB#5

Band5-1.4MHz-16QAM-20407-6RB#0

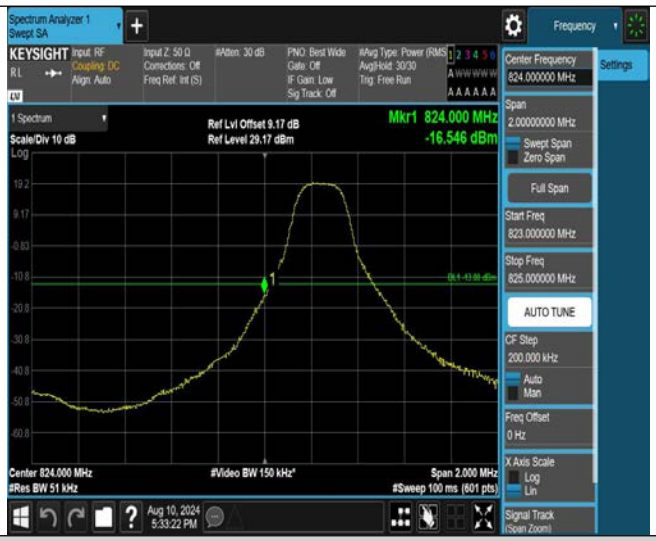
Band5-1.4MHz-16QAM-20643-1RB#0

Band5-1.4MHz-16QAM-20643-1RB#5



Band5-1.4MHz-16QAM-20643-6RB#0

Band5-3MHz-QPSK-20415-1RB#0

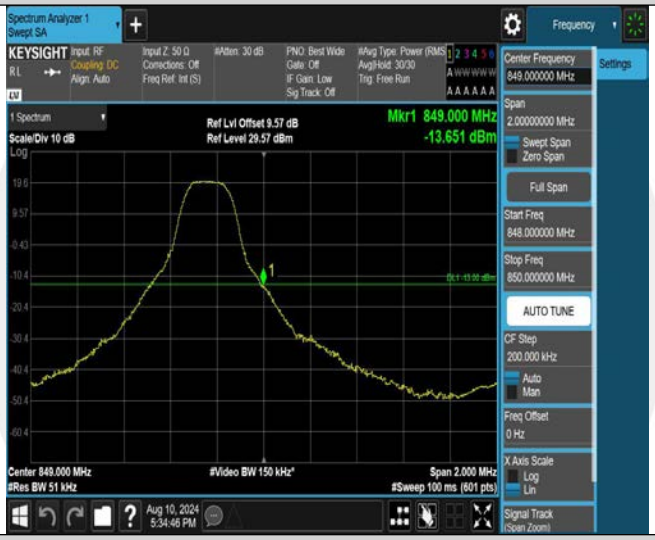


Band5-3MHz-QPSK-20415-1RB#14

Band5-3MHz-QPSK-20415-15RB#0

Band5-3MHz-QPSK-20635-1RB#0

Band5-3MHz-QPSK-20635-1RB#14



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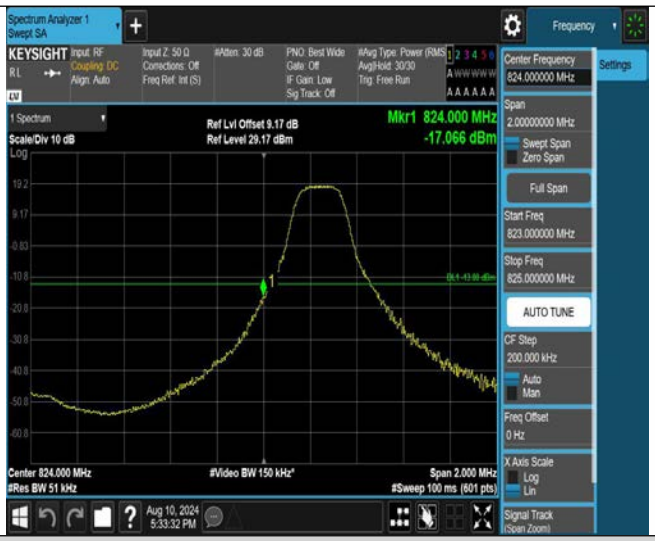


Band5-3MHz-16QAM-20415-1RB#14

Band5-3MHz-16QAM-20415-15RB#0

Band5-3MHz-16QAM-20635-1RB#0

Band5-3MHz-16QAM-20635-1RB#14

Band5-3MHz-16QAM-20635-15RB#0

Band5-5MHz-QPSK-20425-1RB#0

Band5-5MHz-QPSK-20425-1RB#24

Band5-5MHz-QPSK-20425-25RB#0

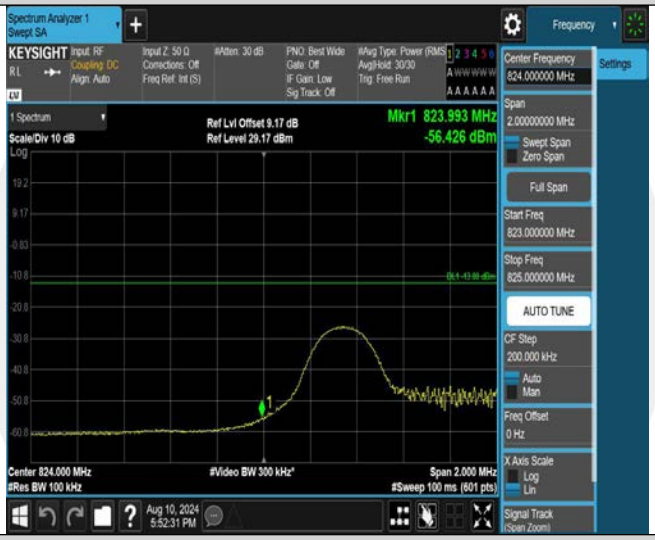
Band5-5MHz-QPSK-20625-1RB#0

Band5-5MHz-QPSK-20625-1RB#24

Band5-5MHz-QPSK-20625-25RB#0

Band5-5MHz-16QAM-20425-1RB#0

Band5-5MHz-16QAM-20425-1RB#24



Band5-5MHz-16QAM-20425-25RB#0

Band5-5MHz-16QAM-20625-1RB#0

Band5-5MHz-16QAM-20625-1RB#24

Band5-5MHz-16QAM-20625-25RB#0

Band5-10MHz-QPSK-20450-1RB#0

Band5-10MHz-QPSK-20450-1RB#49

Band5-10MHz-QPSK-20450-50RB#0

Band5-10MHz-QPSK-20600-1RB#0

Band5-10MHz-QPSK-20600-1RB#49

Band5-10MHz-QPSK-20600-50RB#0

Band5-10MHz-16QAM-20450-1RB#0

Band5-10MHz-16QAM-20450-1RB#49

Band5-10MHz-16QAM-20450-50RB#0

Band5-10MHz-16QAM-20600-1RB#0

Band5-10MHz-16QAM-20600-1RB#49

Band5-10MHz-16QAM-20600-50RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	Range1:30~1000MHz	-46.24	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-36.12	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-36.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-45.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-36.41	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-45.63	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-36.26	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.97	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-35.95	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-45.17	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-35.29	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-46.15	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-36.15	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.04	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-35.83	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~10	-45.7	PASS

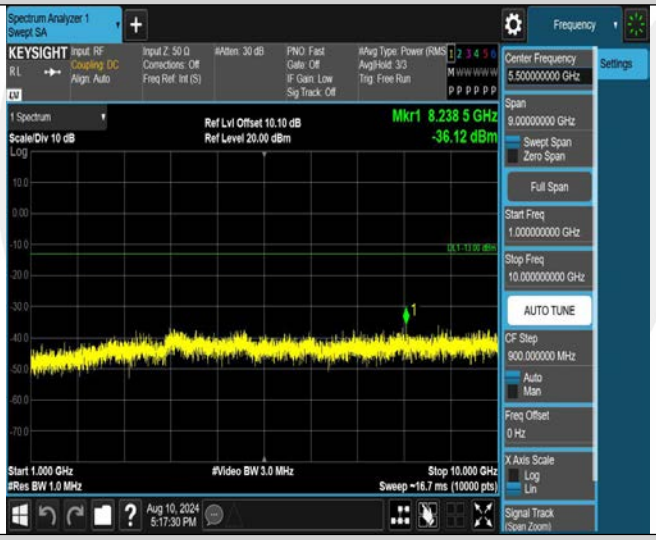
					00MHz		
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-35.04	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-45.79	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-36.76	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-44.85	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-35.65	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-45.25	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-35.01	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-45.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-36.13	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-36.72	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-45.91	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-35.84	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-44.53	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-35.4	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.32	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-36.01	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-46.49	PASS

Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-35.7	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-45.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-35.11	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.36	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-35.06	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-45.48	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-35.61	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-45.83	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-36.43	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-46.03	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-35.75	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-45.85	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-35.06	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz

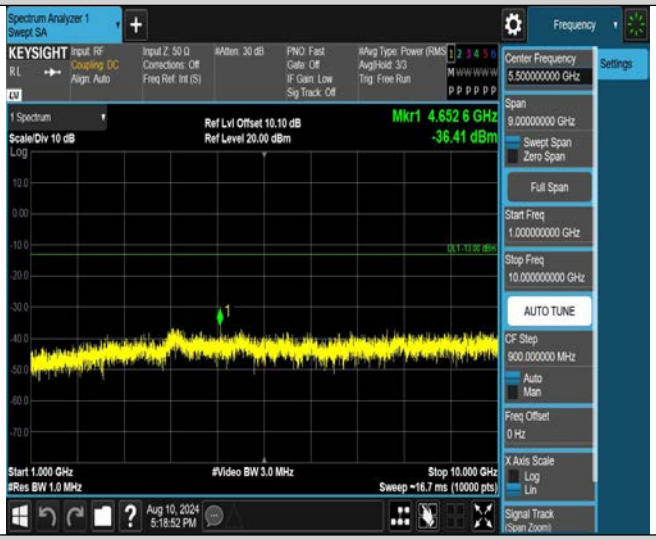


Band5-1.4MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz

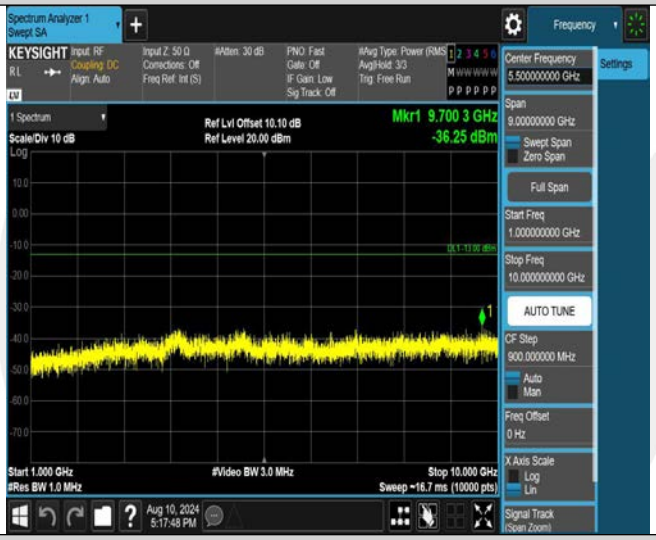
Band5-1.4MHz-QPSK-20643-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



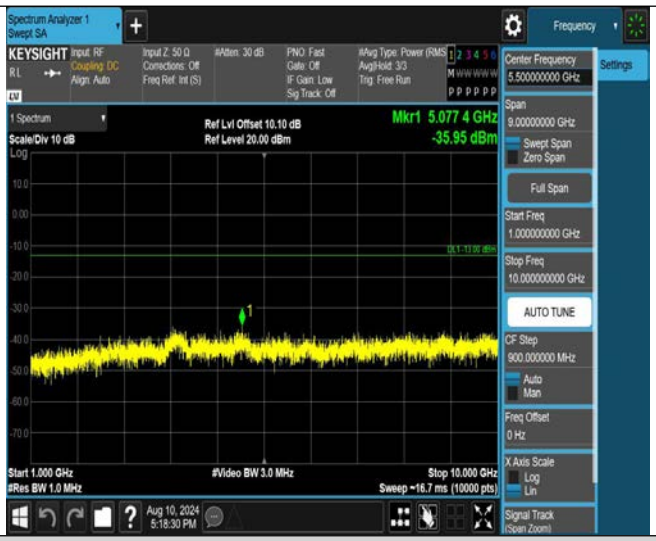
Band5-1.4MHz-16QAM-20407-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



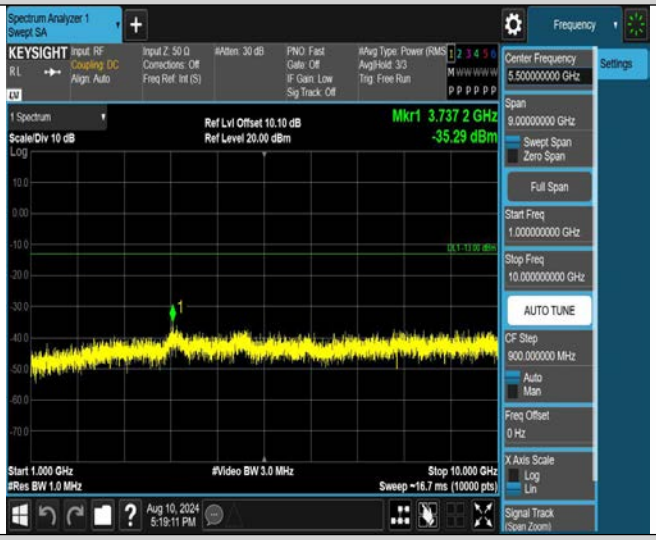
Band5-1.4MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



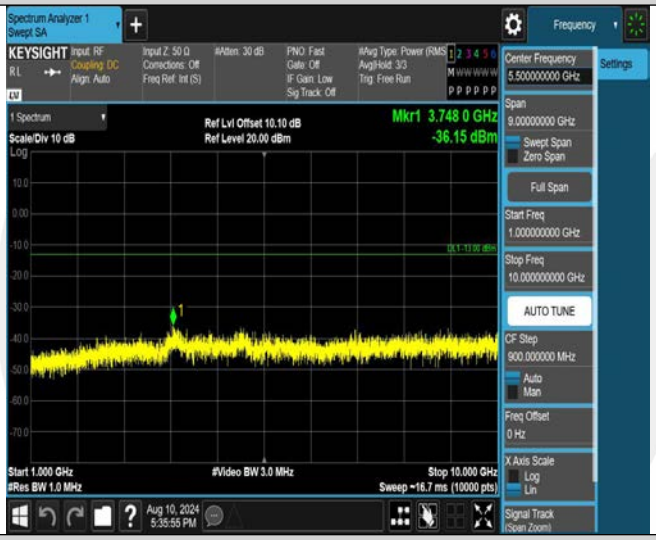
Band5-1.4MHz-16QAM-20643-1RB#0-Range1:30~1000MHz

Band5-1.4MHz-16QAM-20643-1RB#0-Range2:1000~10000MHz



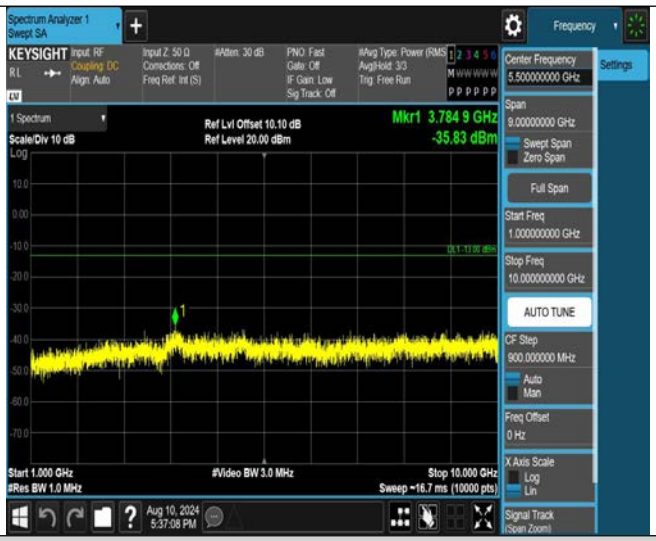
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz

Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz



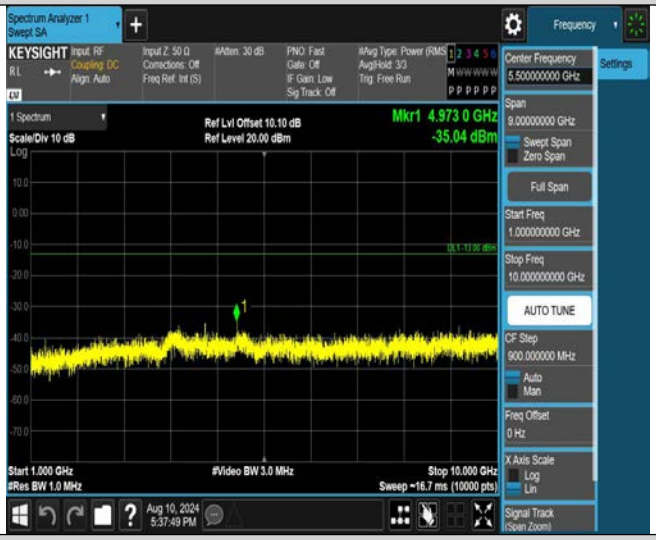
Band5-3MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



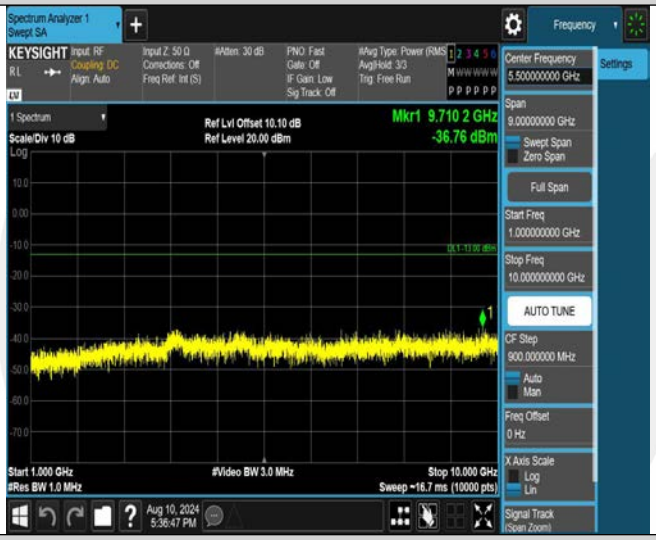
Band5-3MHz-QPSK-20635-1RB#0-Range1:30~1000MHz

Band5-3MHz-QPSK-20635-1RB#0-Range2:1000~10000MHz



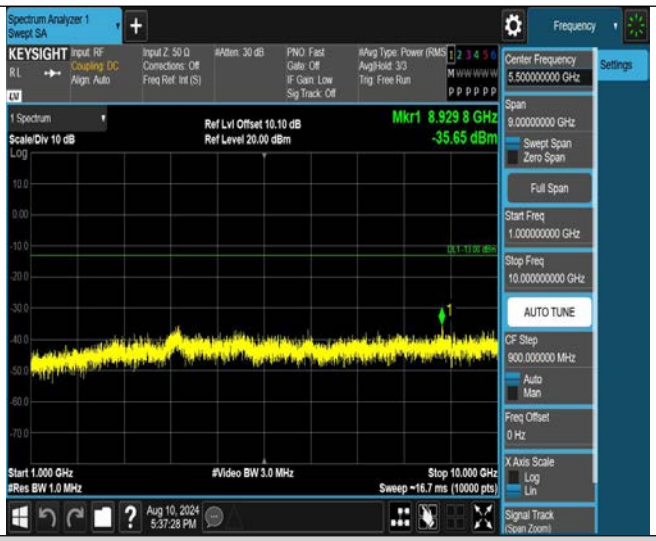
Band5-3MHz-16QAM-20415-1RB#0-Range1:30~1000MHz

Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



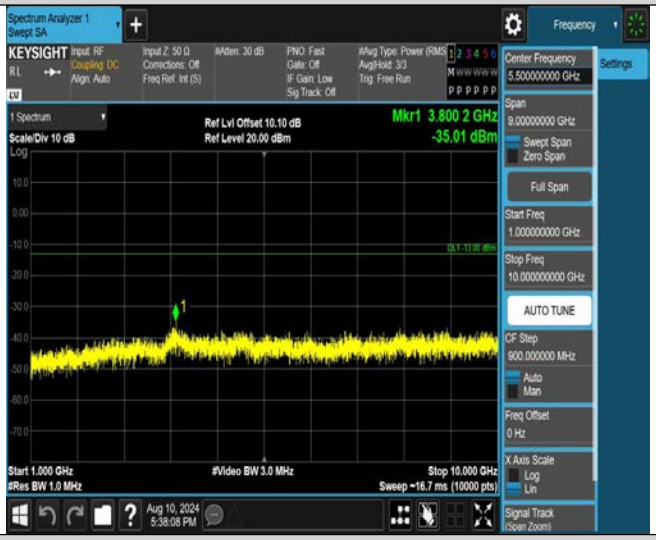
Band5-3MHz-16QAM-20525-1RB#0-Range1:30~1000MHz

Band5-3MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



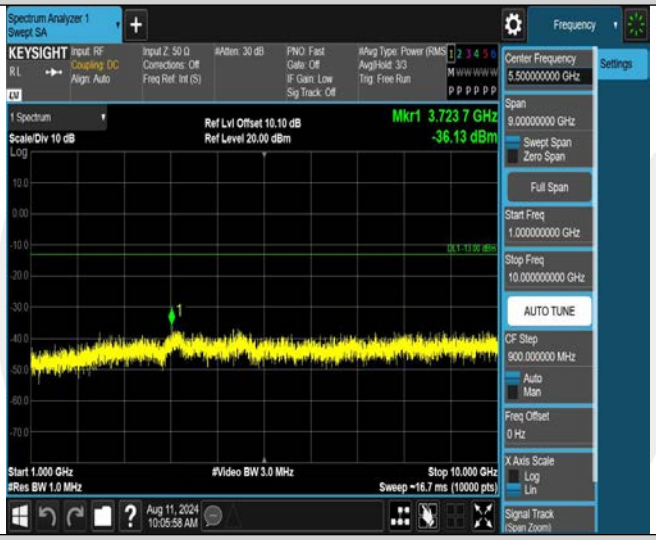
Band5-3MHz-16QAM-20635-1RB#0-Range1:30~1000MHz

Band5-3MHz-16QAM-20635-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20425-1RB#0-Range1:30~1000MHz

Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz



Band5-5MHz-QPSK-20525-1RB#0-Range1:30~1000MHz

Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz