

LTE Band5 Test Data

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Appendix A: Effective (Isotropic) Radiated Power Output Data

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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	23.83	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.83	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.82	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.78	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.79	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.75	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.84	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.74	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.78	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.73	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.71	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.76	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.74	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.78	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.14	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.84	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.62	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.81	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.78	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.56	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.63	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.03	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.09	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.99	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.77	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.75	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.75	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.97	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.94	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.80	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.92	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.71	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.84	PASS

Band5	1.4MHz	16QAM	20525	3RB#3	22.75	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.75	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.06	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	21.84	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.61	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.77	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.73	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.49	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.74	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.98	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.94	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.93	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.90	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.96	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.91	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.90	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.90	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.83	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.77	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.89	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.90	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.87	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.90	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.76	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.01	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.70	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.76	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.75	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.77	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.79	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.14	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.13	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.09	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.01	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.99	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.97	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.91	PASS

Band5	3MHz	16QAM	20525	1RB#0	22.90	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.08	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.78	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.97	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.95	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.96	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.98	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.95	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.24	PASS
Band5	3MHz	16QAM	20635	1RB#14	21.88	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.84	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.83	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.83	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.80	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.00	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.07	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.96	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.00	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.95	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.92	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.97	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.94	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.02	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.88	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.94	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.96	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.85	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.94	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.83	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.68	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.90	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.87	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.84	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.83	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.35	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.32	PASS

Band5	5MHz	16QAM	20425	1RB#24	23.21	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.08	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.15	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.06	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.03	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.28	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.29	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.15	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.09	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.10	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.99	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.99	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.11	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.70	PASS
Band5	5MHz	16QAM	20625	1RB#24	21.95	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.97	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.97	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.99	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.90	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.91	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.86	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.88	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.01	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.98	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.01	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.02	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.03	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.88	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.73	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.00	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.99	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.89	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.93	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.80	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.74	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.45	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.87	PASS

Band5	10MHz	QPSK	20600	25RB#12	22.88	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.86	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.83	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.24	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.12	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.15	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.04	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.09	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.08	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.99	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.87	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.75	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.10	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.10	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.99	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.02	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	21.67	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.91	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.92	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.90	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.87	PASS

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

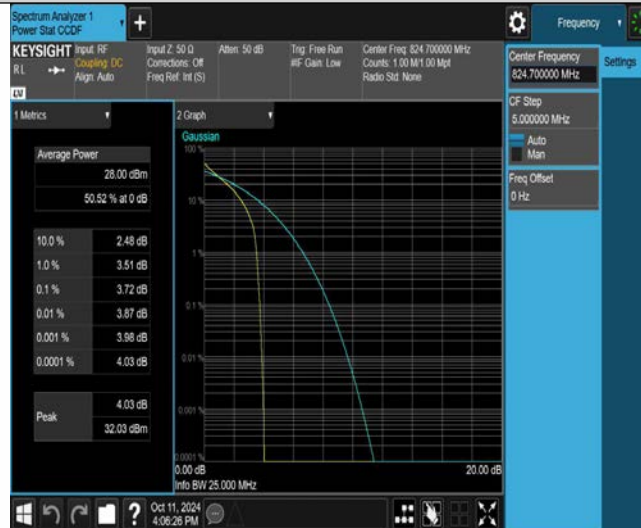
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.72	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.70	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3.70	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.75	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.69	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.69	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.82	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.91	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.52	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.00	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.48	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.45	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.50	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.57	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.48	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.53	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.11	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.80	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.37	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.95	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.26	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.87	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.49	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.64	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.51	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.82	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.37	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.68	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.17	13	PASS

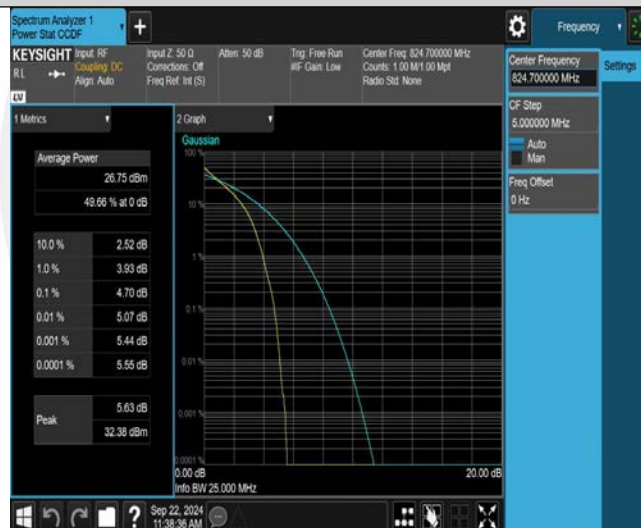
Band5	5MHz	16QAM	20425	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.24	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.93	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.86	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.80	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.40	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.53	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.42	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.73	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.40	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.54	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.01	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.69	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.15	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.87	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.34	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.75	13	PASS

Test Graphs

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



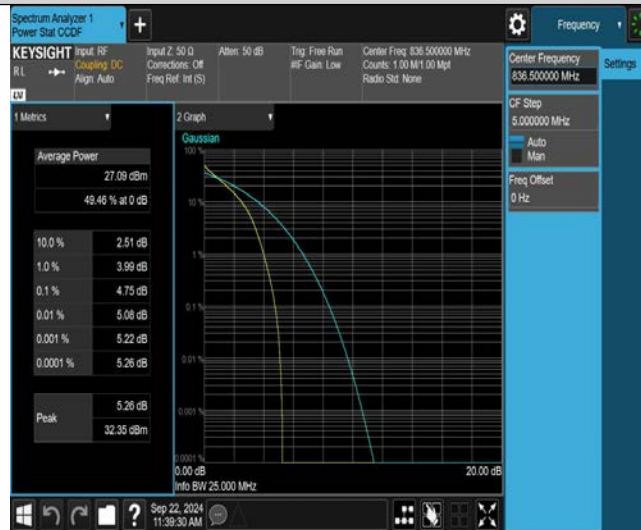
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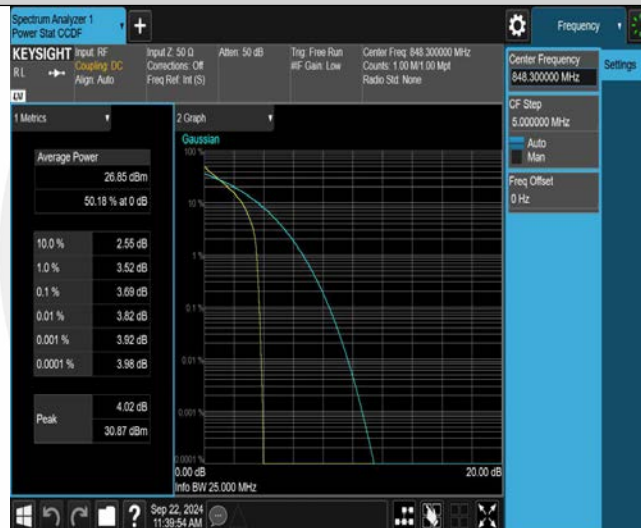
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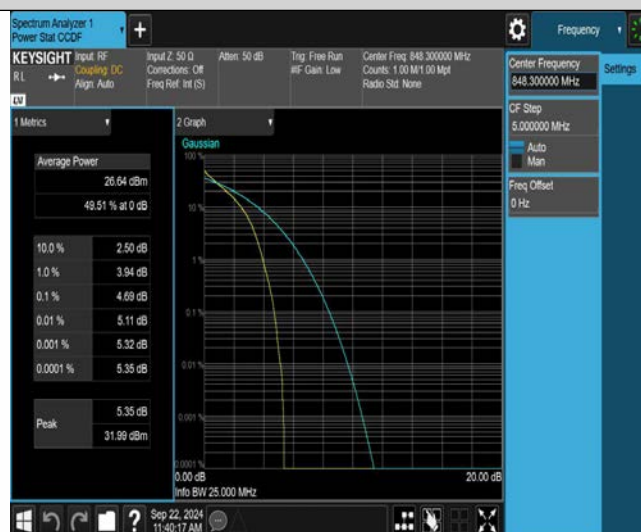
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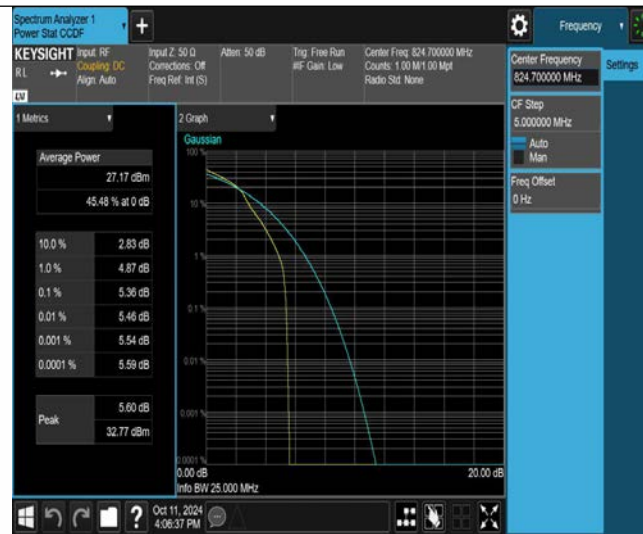
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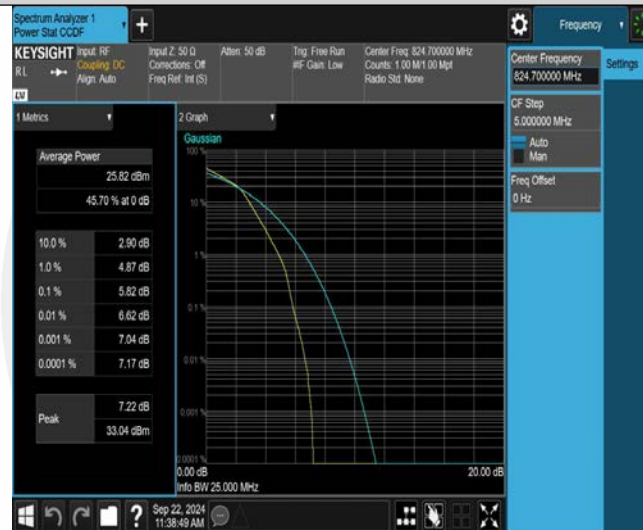
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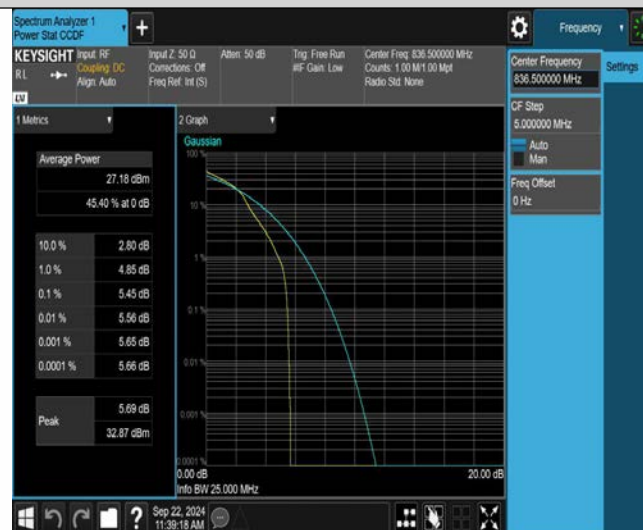
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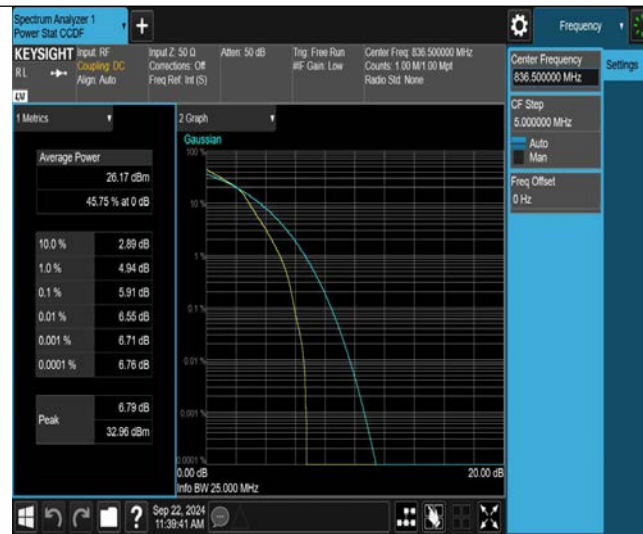
Band5-1.4MHz-16QAM-20407-6RB#0



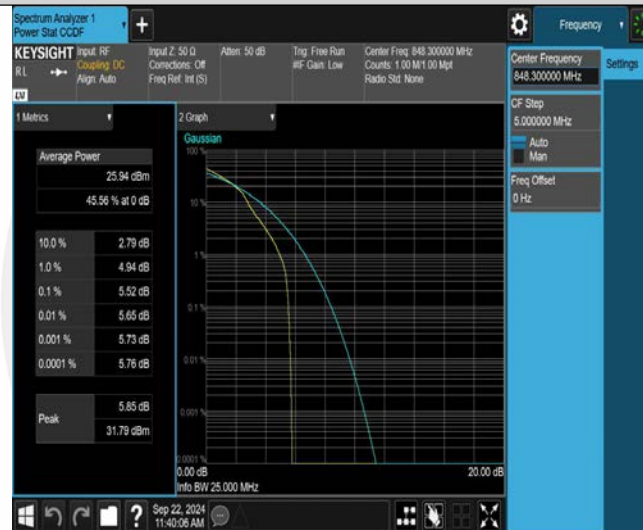
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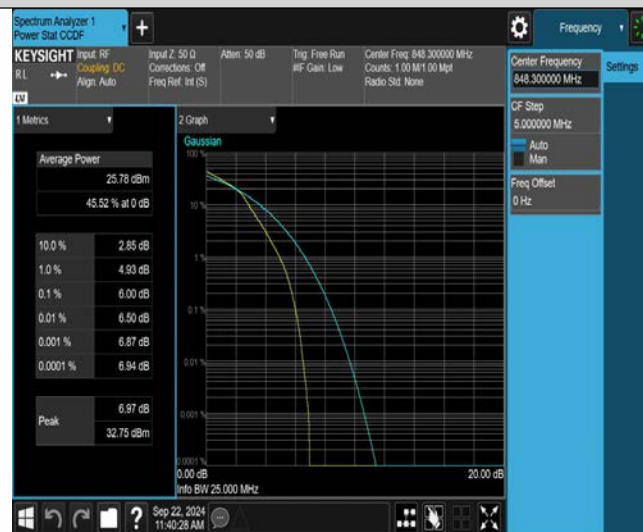
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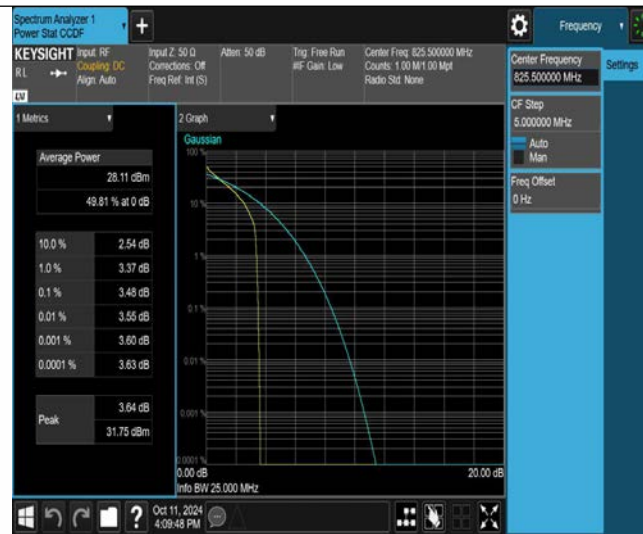
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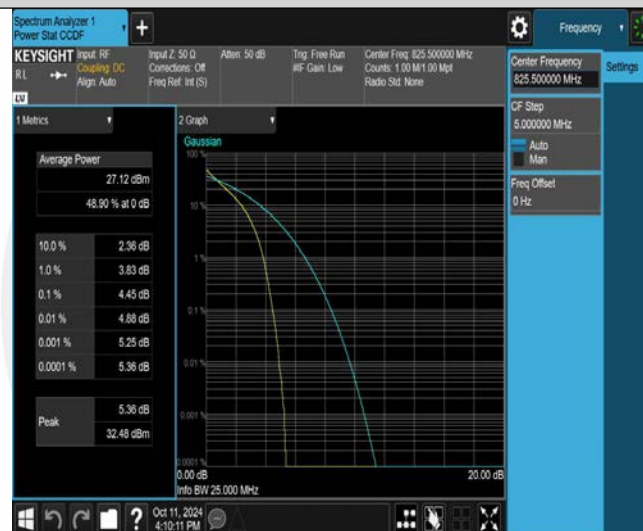
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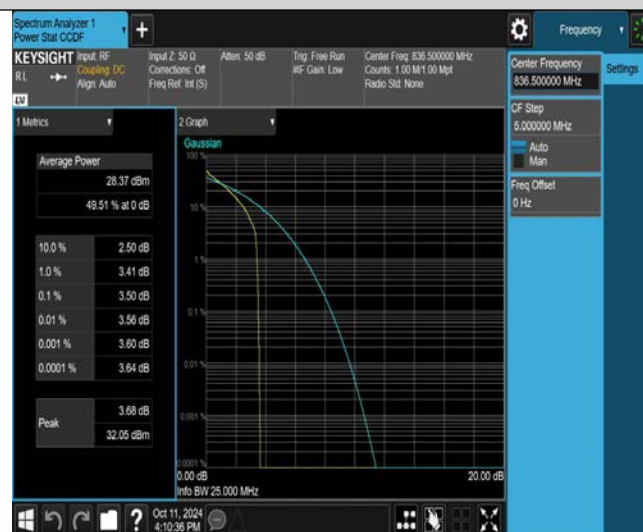
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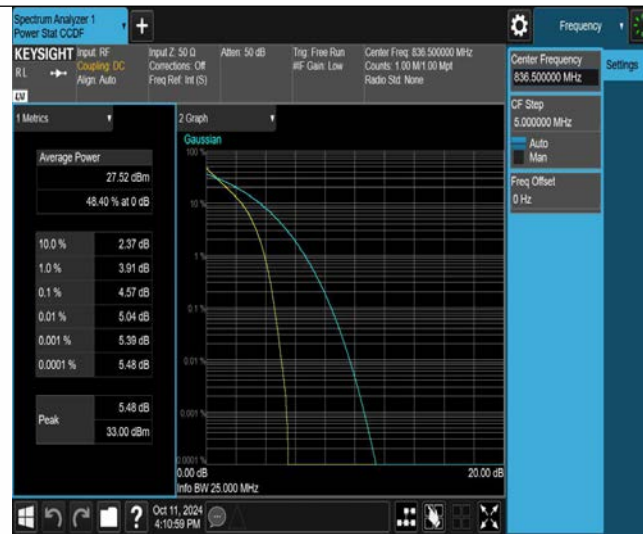
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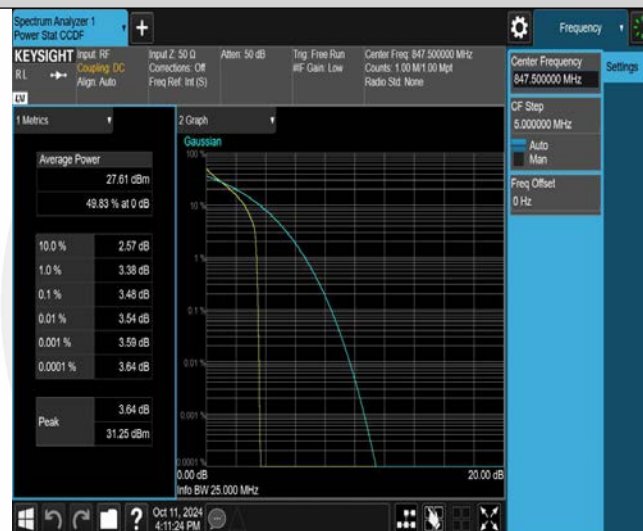
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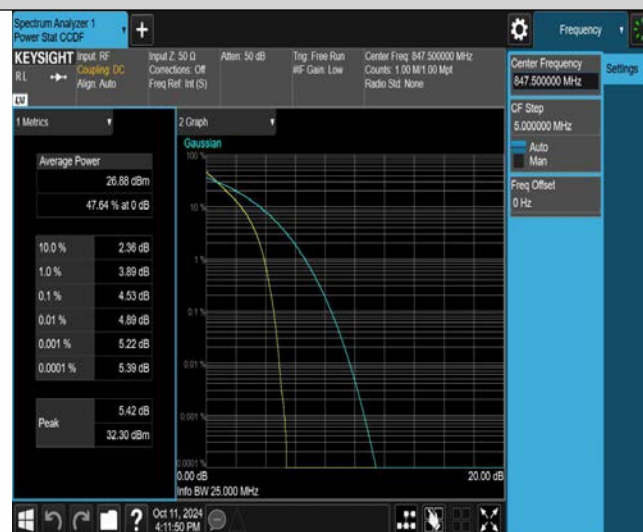
Band5-3MHz-QPSK-20525-15RB#0



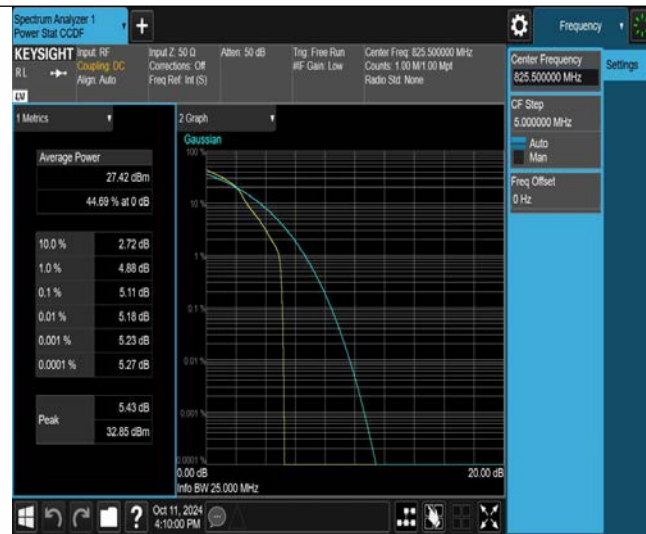
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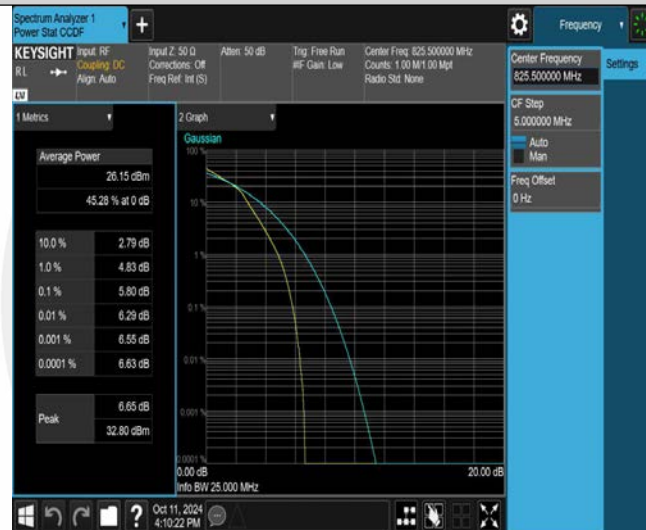
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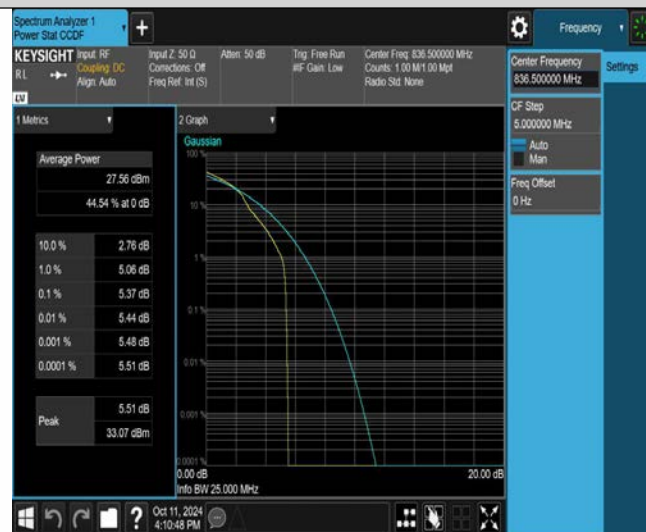
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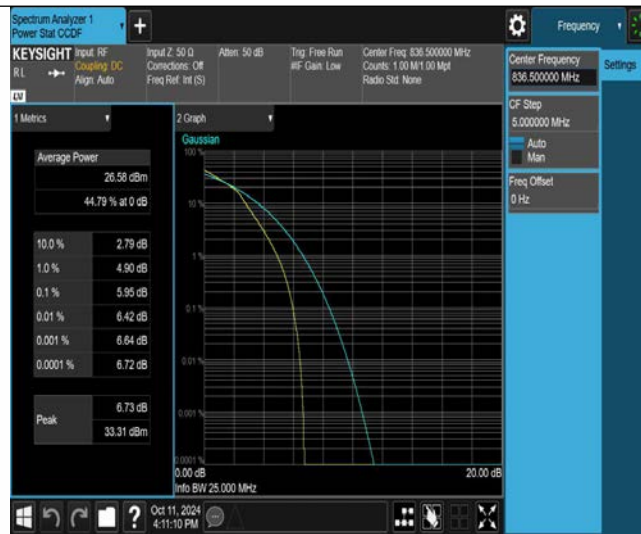
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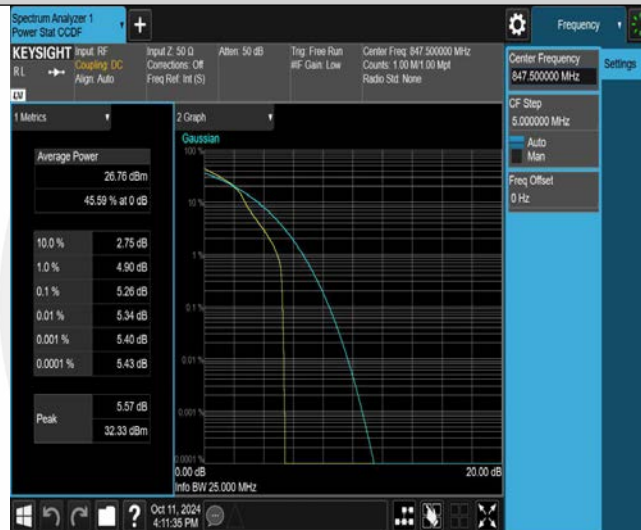
Band5-3MHz-16QAM-20525-1RB#0



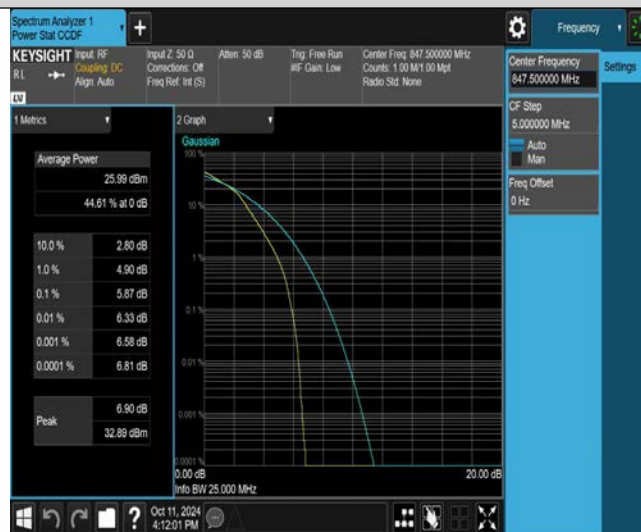
Band5-3MHz-16QAM-20525-15RB#0



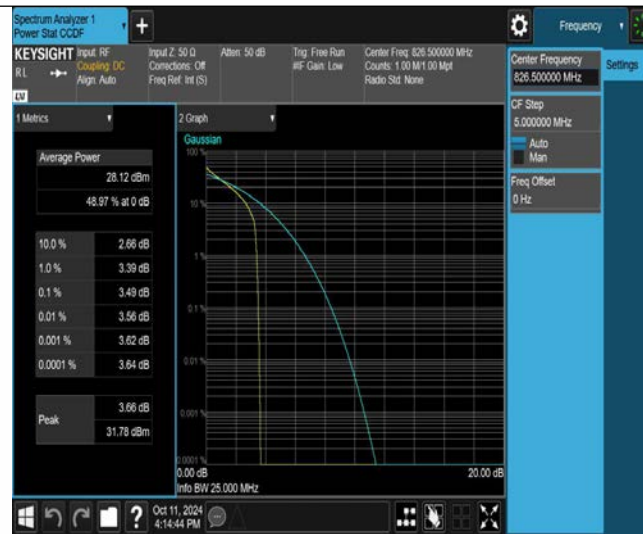
Band5-3MHz-16QAM-20635-1RB#0



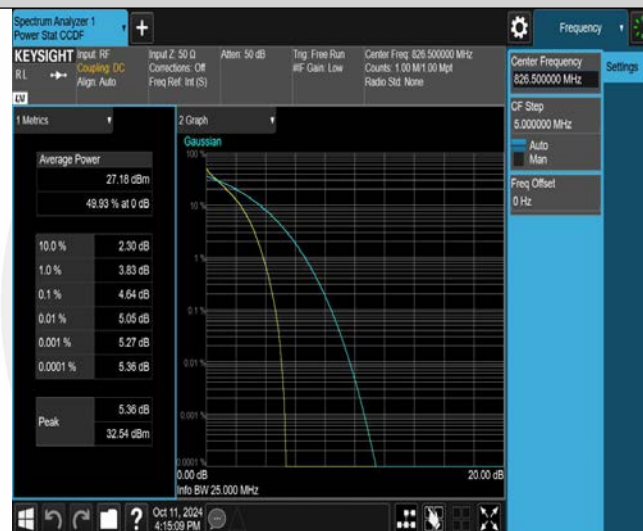
Band5-3MHz-16QAM-20635-15RB#0



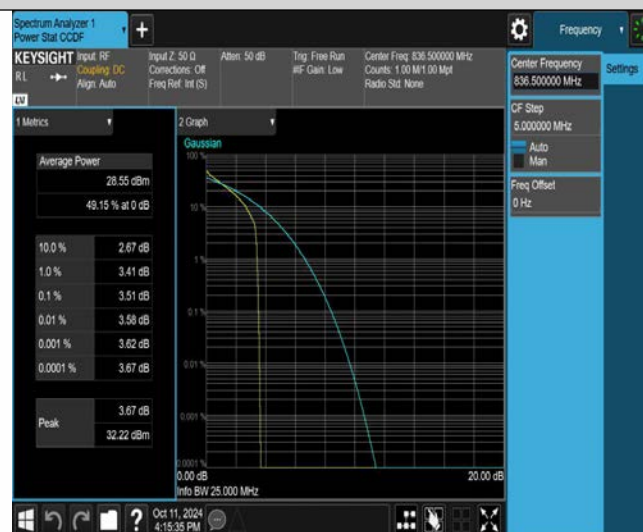
Band5-5MHz-QPSK-20425-1RB#0



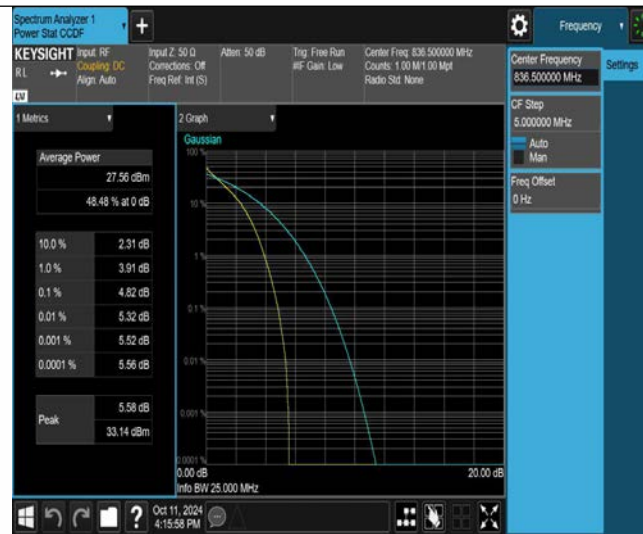
Band5-5MHz-QPSK-20425-25RB#0



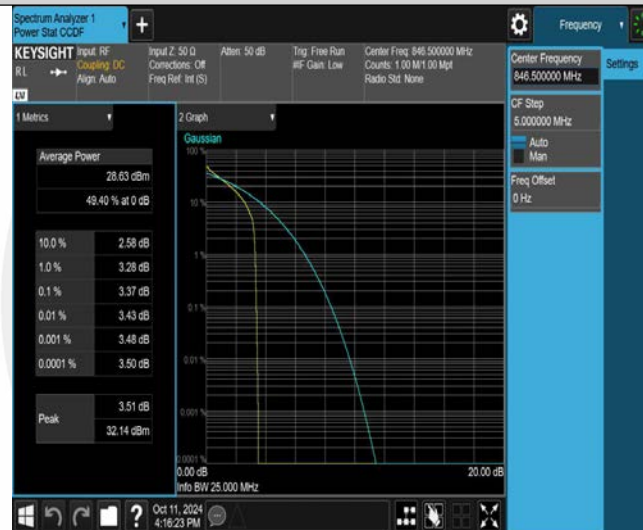
Band5-5MHz-QPSK-20525-1RB#0



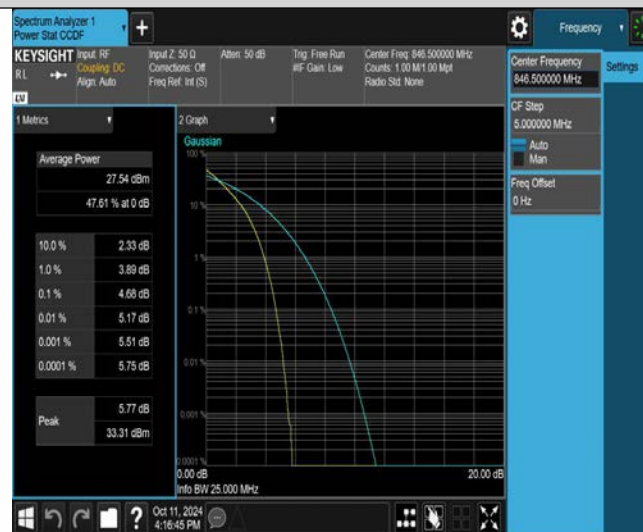
Band5-5MHz-QPSK-20525-25RB#0



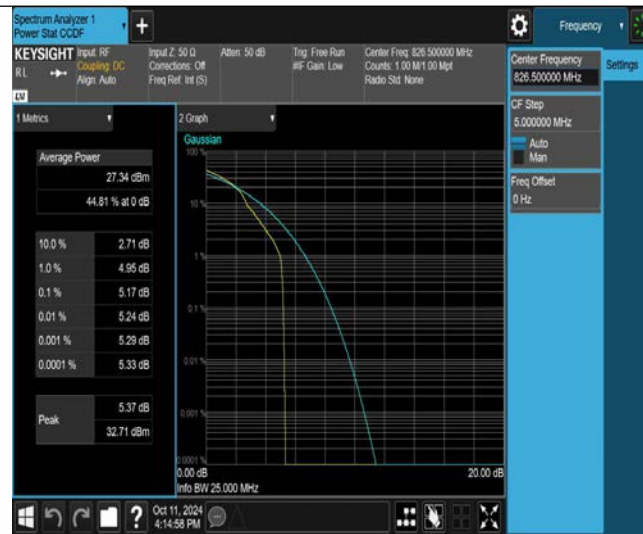
Band5-5MHz-QPSK-20625-1RB#0



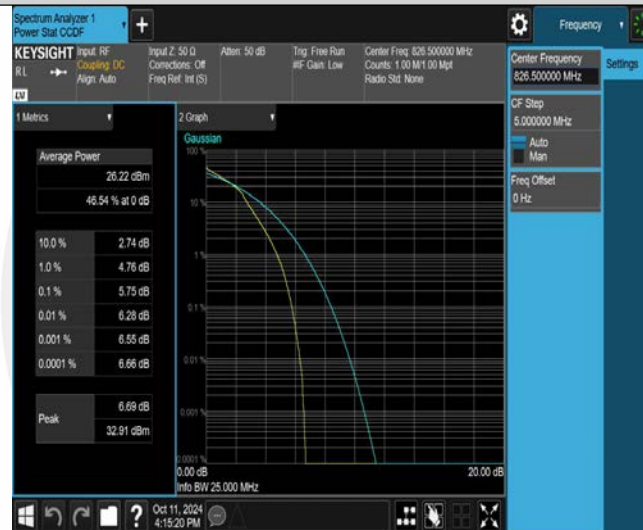
Band5-5MHz-QPSK-20625-25RB#0



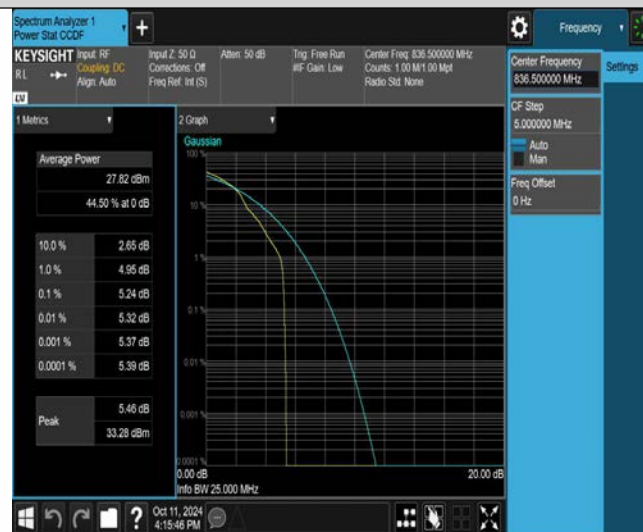
Band5-5MHz-16QAM-20425-1RB#0



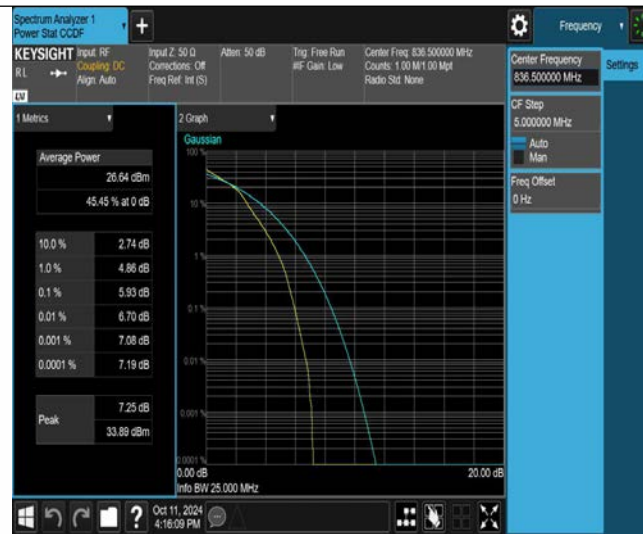
Band5-5MHz-16QAM-20425-25RB#0



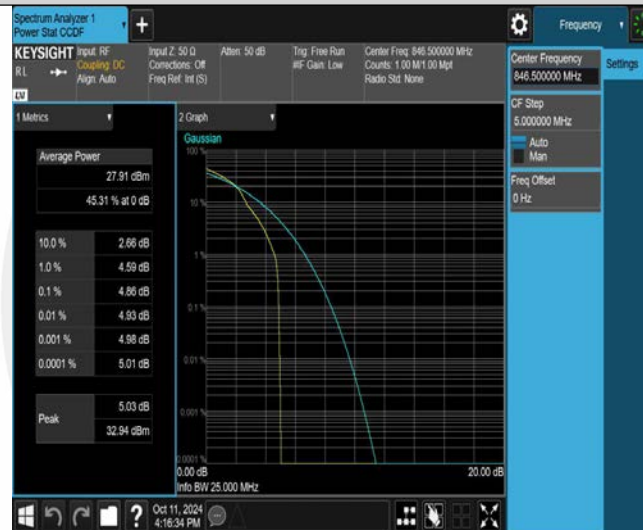
Band5-5MHz-16QAM-20525-1RB#0



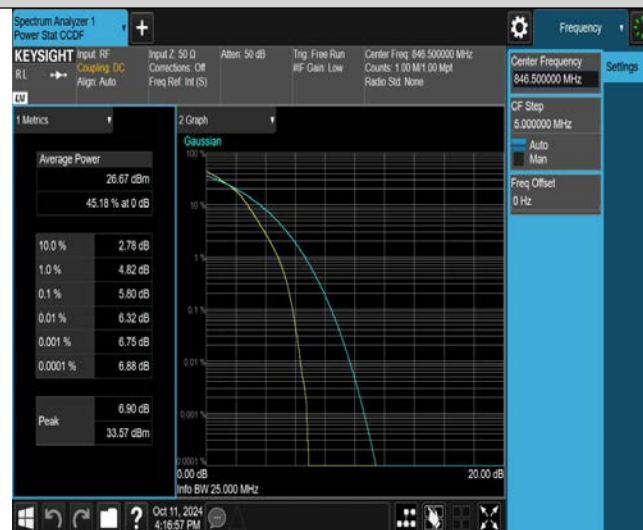
Band5-5MHz-16QAM-20525-25RB#0



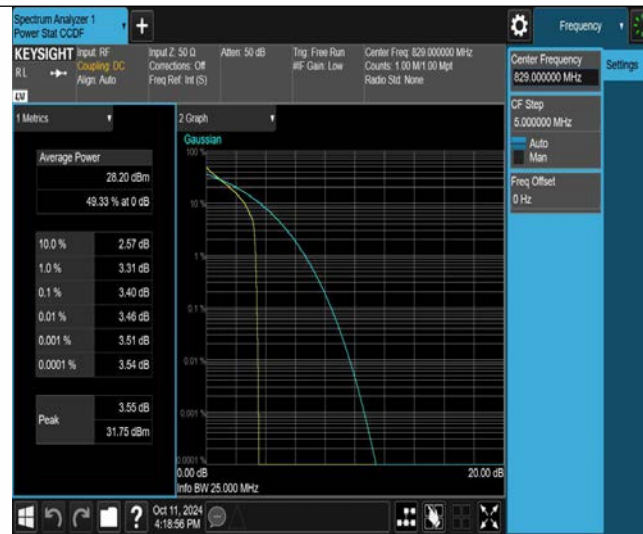
Band5-5MHz-16QAM-20625-1RB#0



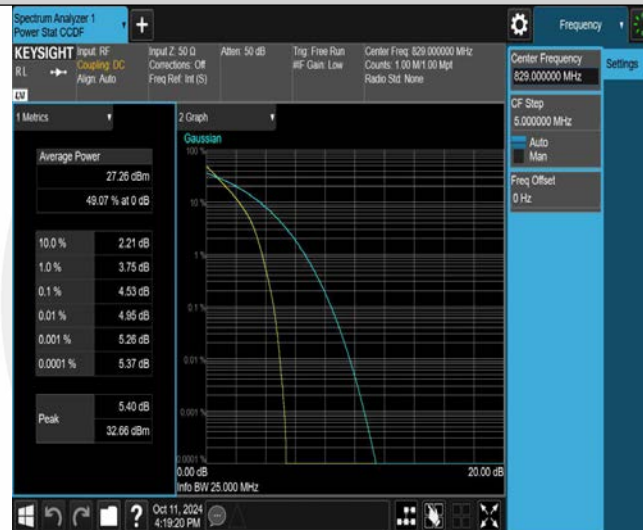
Band5-5MHz-16QAM-20625-25RB#0



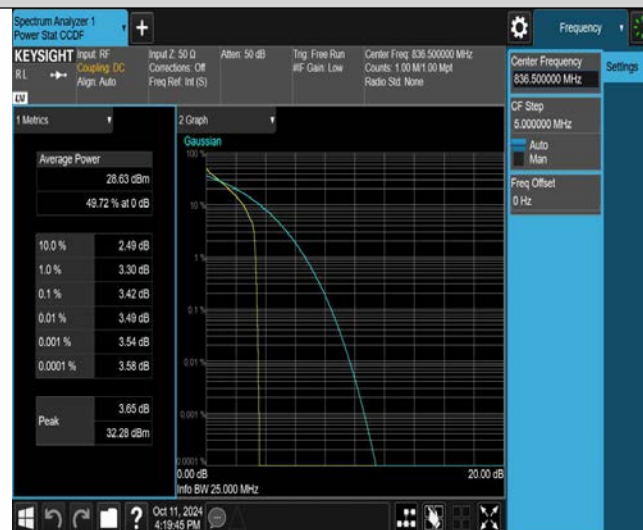
Band5-10MHz-QPSK-20450-1RB#0



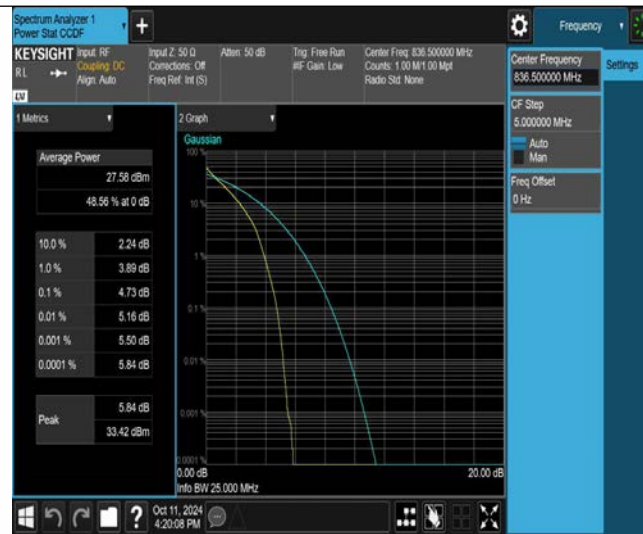
Band5-10MHz-QPSK-20450-50RB#0



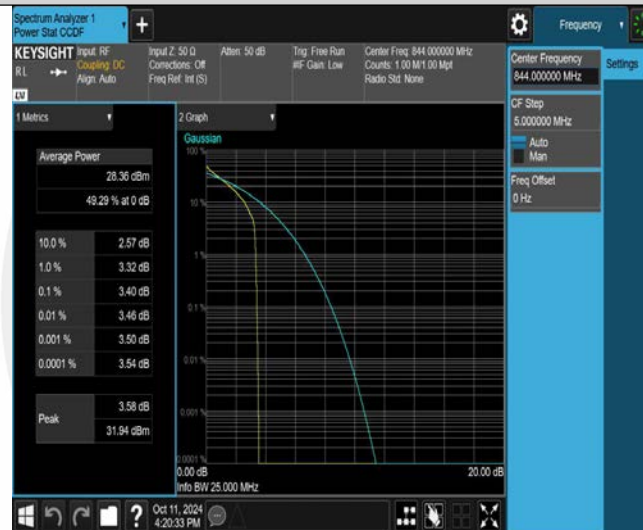
Band5-10MHz-QPSK-20525-1RB#0



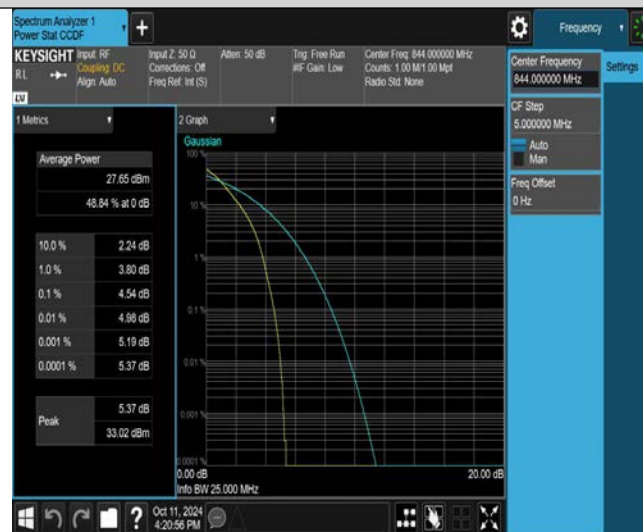
Band5-10MHz-QPSK-20525-50RB#0



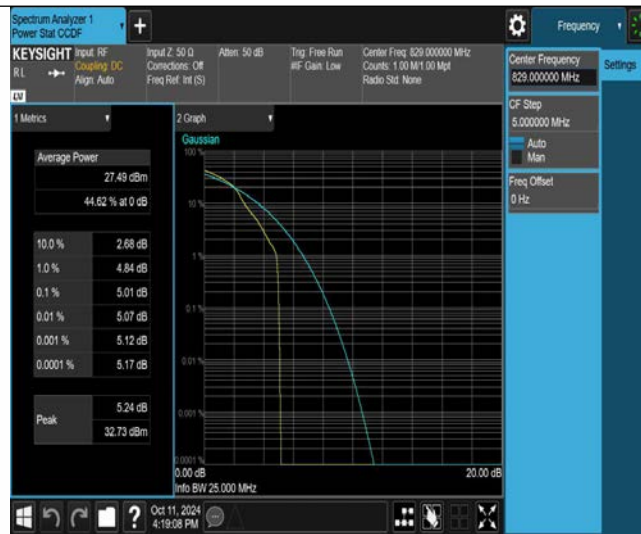
Band5-10MHz-QPSK-20600-1RB#0



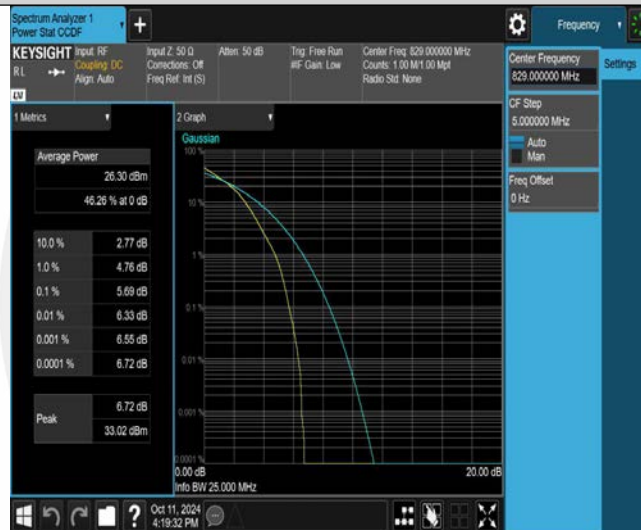
Band5-10MHz-QPSK-20600-50RB#0



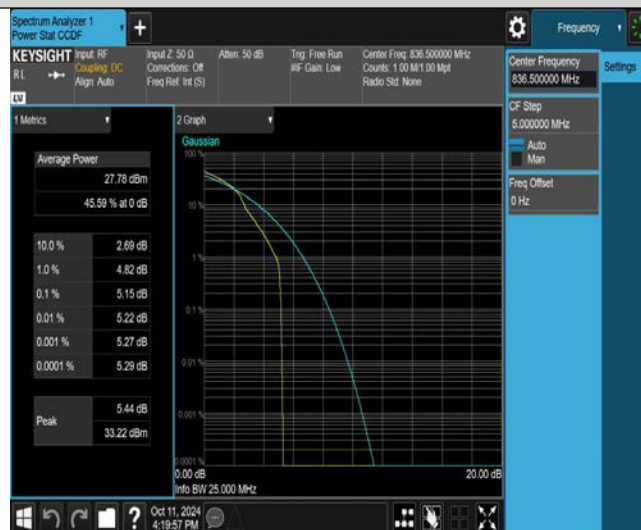
Band5-10MHz-16QAM-20450-1RB#0



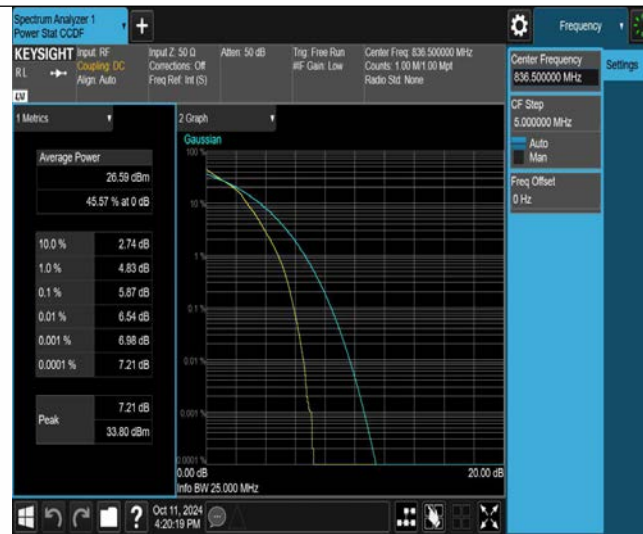
Band5-10MHz-16QAM-20450-50RB#0



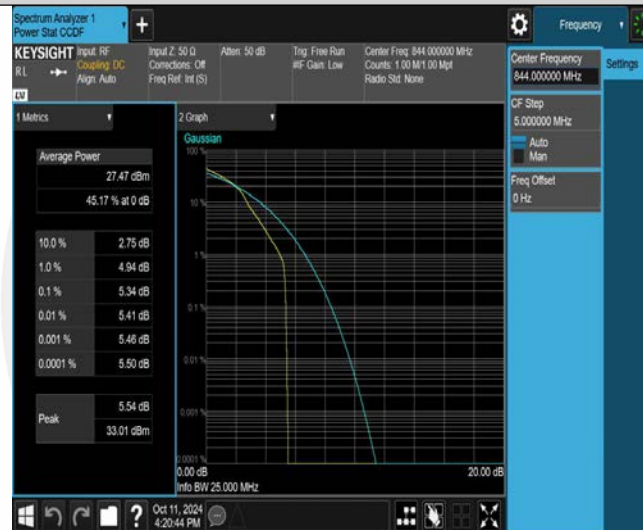
Band5-10MHz-16QAM-20525-1RB#0



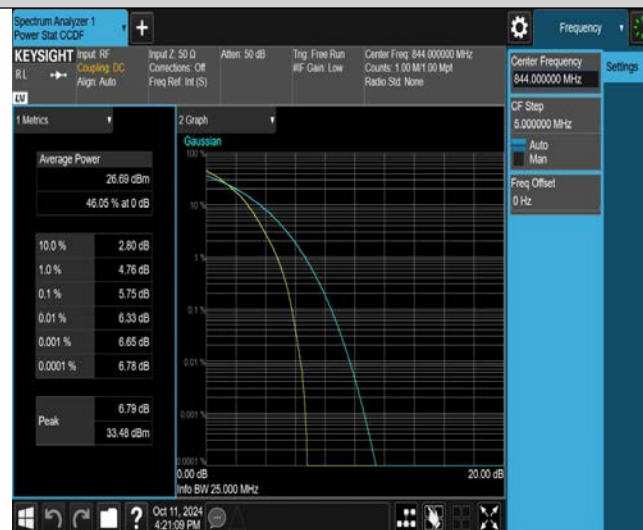
Band5-10MHz-16QAM-20525-50RB#0



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



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



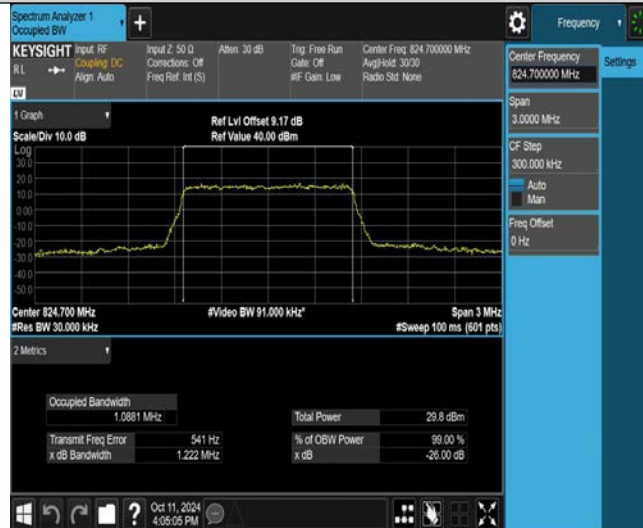
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

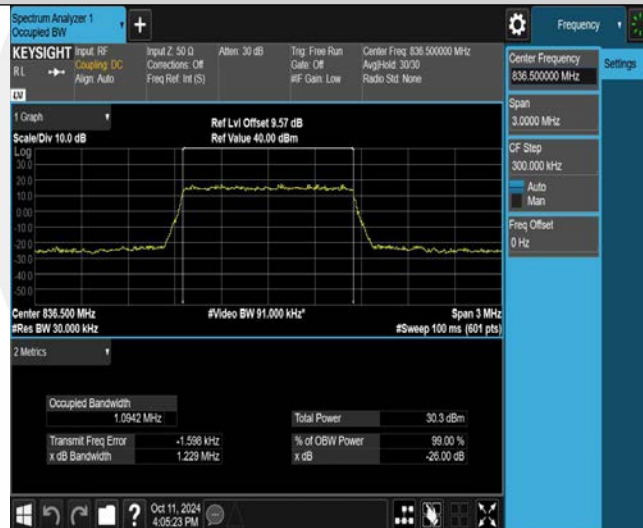
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0881	1.222	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0942	1.229	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0890	1.219	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0908	1.227	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0898	1.228	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0896	1.216	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6911	2.927	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6999	2.937	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7039	2.938	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6953	2.946	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6936	2.944	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6978	2.922	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5005	4.894	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5037	4.874	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5063	4.848	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5067	4.842	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5057	4.892	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5127	4.843	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9697	9.570	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9820	9.574	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9456	9.562	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9521	9.519	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9930	9.549	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9511	9.499	PASS

Test Graphs

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



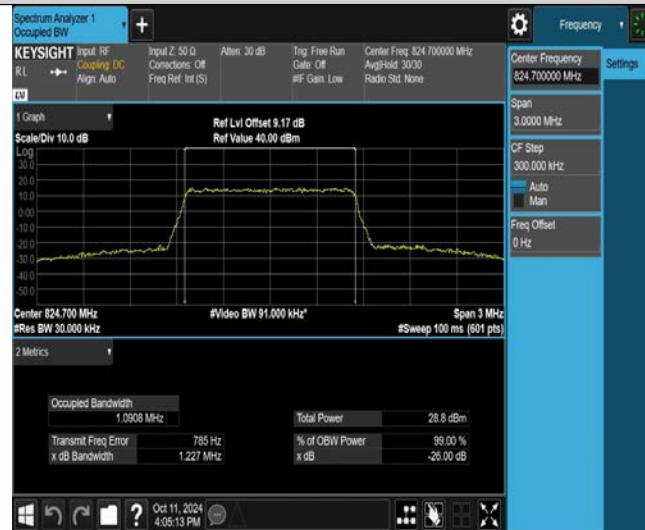
Band5-1.4MHz-QPSK-20525-6RB#0



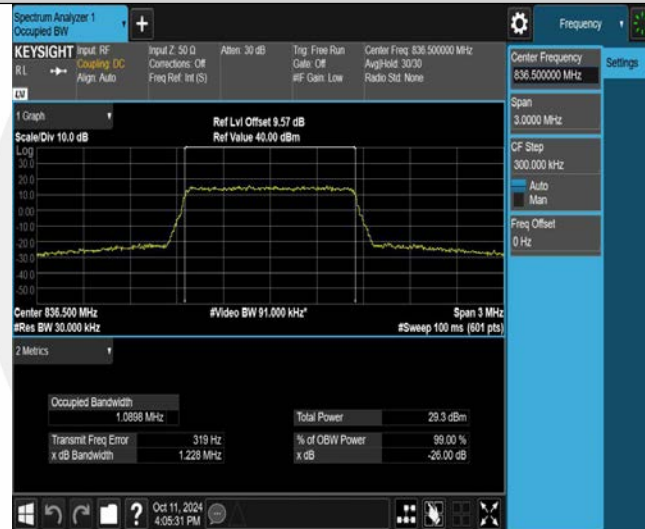
Band5-1.4MHz-QPSK-20643-6RB#0



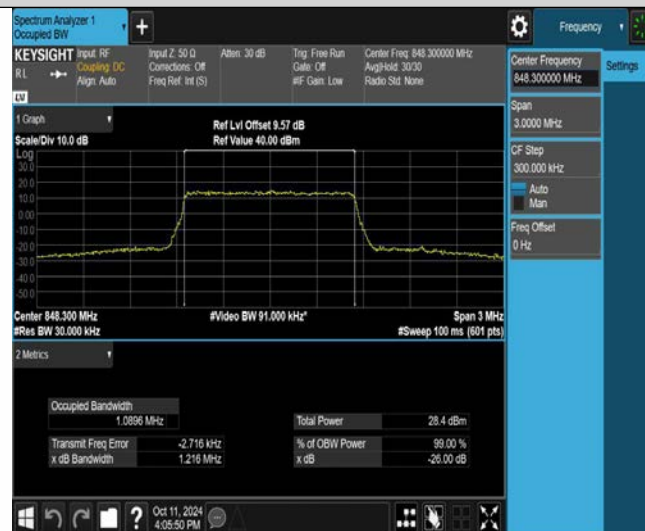
Band5-1.4MHz-16QAM-20407-6RB#0



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



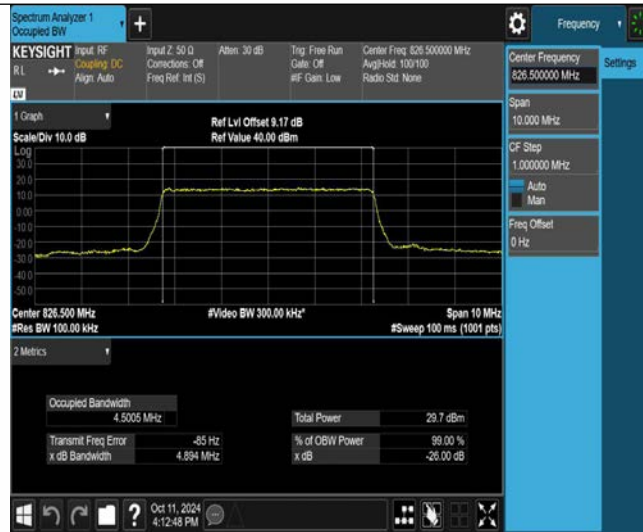
Band5-3MHz-16QAM-20525-15RB#0



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



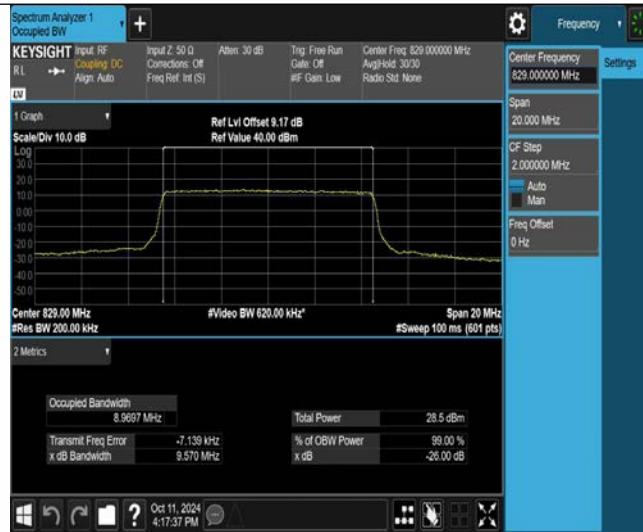
Band5-5MHz-16QAM-20525-25RB#0



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



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



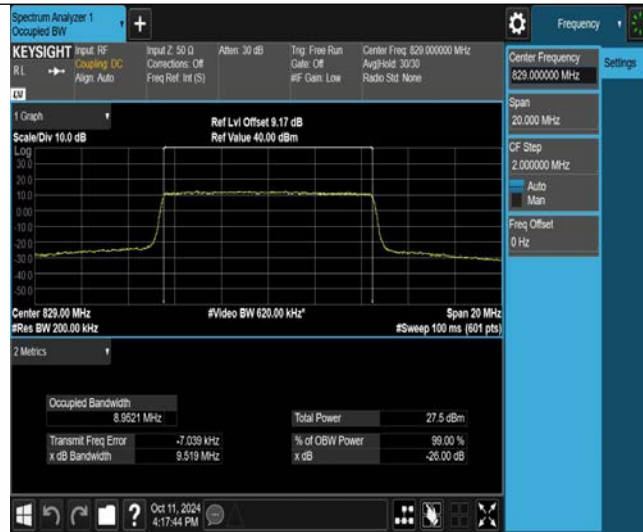
Band5-10MHz-QPSK-20525-50RB#0



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



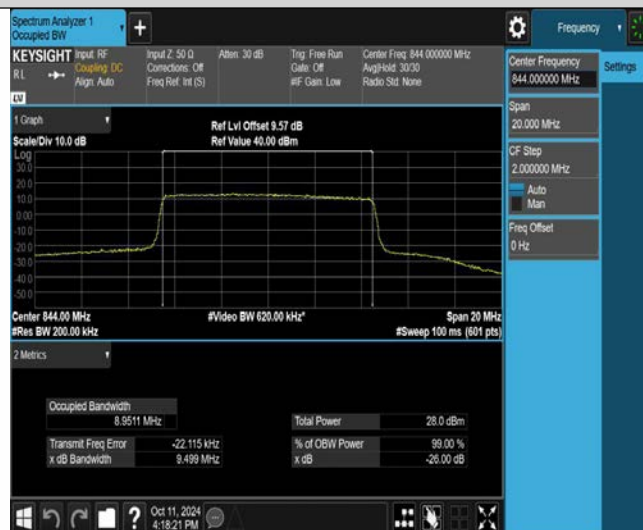
Band5-10MHz-16QAM-20450-50RB#0



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



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



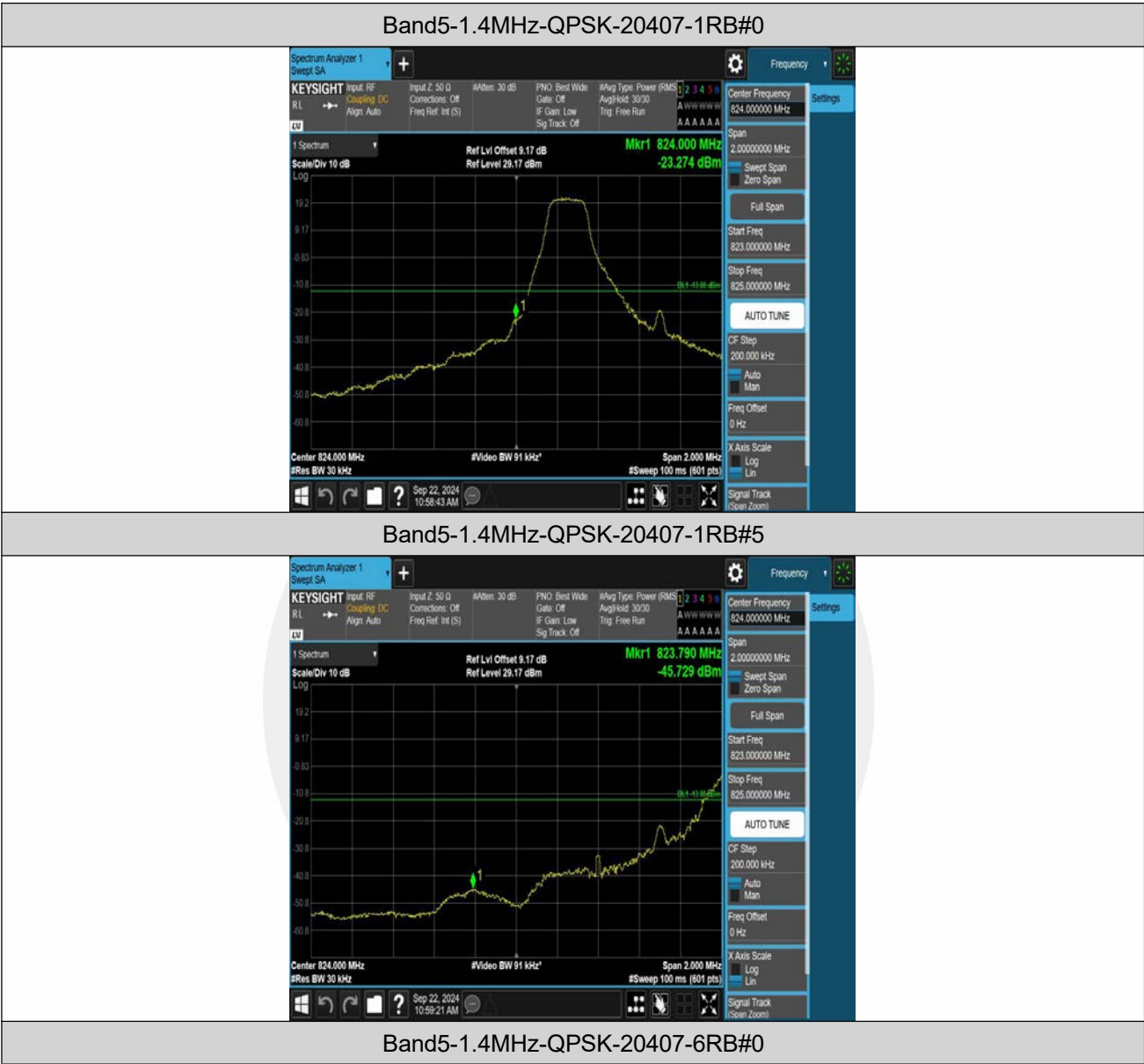
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-23.27	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-45.73	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-59.64	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-47.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-21.89	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-23.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-59.77	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-45.96	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-48.24	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-59.20	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-24.12	PASS
Band5	3MHz	QPSK	20415	1RB#0	-20.99	PASS
Band5	3MHz	QPSK	20415	1RB#14	-42.74	PASS
Band5	3MHz	QPSK	20415	15RB#0	-17.57	PASS
Band5	3MHz	QPSK	20635	1RB#0	-45.33	PASS
Band5	3MHz	QPSK	20635	1RB#14	-13.24	PASS
Band5	3MHz	QPSK	20635	15RB#0	-18.22	PASS
Band5	3MHz	16QAM	20415	1RB#0	-13.70	PASS
Band5	3MHz	16QAM	20415	1RB#14	-46.54	PASS
Band5	3MHz	16QAM	20415	15RB#0	-21.67	PASS
Band5	3MHz	16QAM	20635	1RB#0	-46.10	PASS
Band5	3MHz	16QAM	20635	1RB#14	-14.63	PASS
Band5	3MHz	16QAM	20635	15RB#0	-20.79	PASS
Band5	5MHz	QPSK	20425	1RB#0	-13.21	PASS
Band5	5MHz	QPSK	20425	1RB#24	-47.37	PASS
Band5	5MHz	QPSK	20425	25RB#0	-20.41	PASS
Band5	5MHz	QPSK	20625	1RB#0	-51.57	PASS
Band5	5MHz	QPSK	20625	1RB#24	-14.50	PASS
Band5	5MHz	QPSK	20625	25RB#0	-19.88	PASS
Band5	5MHz	16QAM	20425	1RB#0	-16.51	PASS
Band5	5MHz	16QAM	20425	1RB#24	-51.74	PASS

Band5	5MHz	16QAM	20425	25RB#0	-23.41	PASS
Band5	5MHz	16QAM	20625	1RB#0	-52.43	PASS
Band5	5MHz	16QAM	20625	1RB#24	-16.16	PASS
Band5	5MHz	16QAM	20625	25RB#0	-21.74	PASS
Band5	10MHz	QPSK	20450	1RB#0	-23.38	PASS
Band5	10MHz	QPSK	20450	1RB#49	-42.58	PASS
Band5	10MHz	QPSK	20450	50RB#0	-21.39	PASS
Band5	10MHz	QPSK	20600	1RB#0	-45.64	PASS
Band5	10MHz	QPSK	20600	1RB#49	-21.98	PASS
Band5	10MHz	QPSK	20600	50RB#0	-21.47	PASS
Band5	10MHz	16QAM	20450	1RB#0	-23.18	PASS
Band5	10MHz	16QAM	20450	1RB#49	-47.10	PASS
Band5	10MHz	16QAM	20450	50RB#0	-24.64	PASS
Band5	10MHz	16QAM	20600	1RB#0	-48.95	PASS
Band5	10MHz	16QAM	20600	1RB#49	-22.41	PASS
Band5	10MHz	16QAM	20600	50RB#0	-24.70	PASS

Test Graphs





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



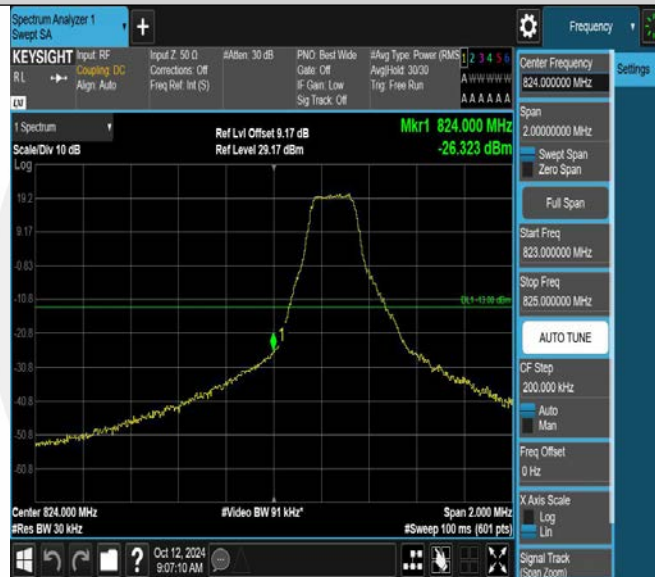
Band5-1.4MHz-QPSK-20643-1RB#5



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



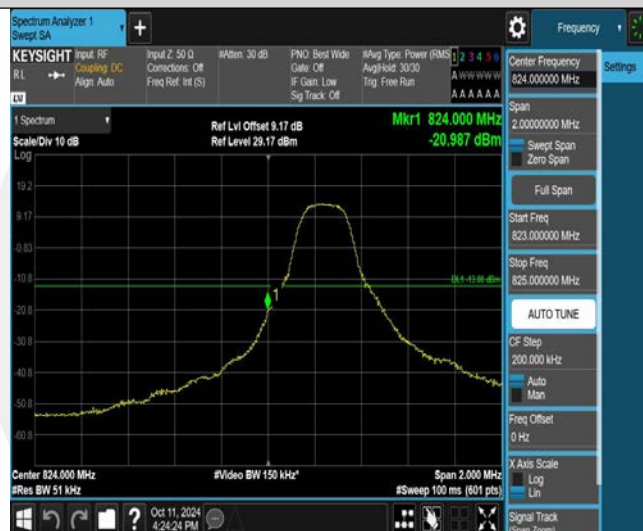
Band5-1.4MHz-16QAM-20643-1RB#5



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



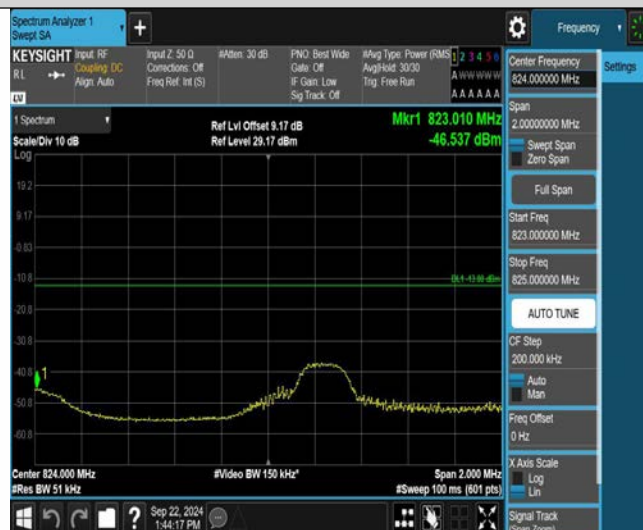
Band5-3MHz-QPSK-20635-15RB#0



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



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	-28.12	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-23	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-27.96	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-29.92	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-27.74	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-30.89	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-28.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-27.44	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-26.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-30.03	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-27.47	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-31.76	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-27.56	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-26.12	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-26.28	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-31.02	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-27.35	PASS

					00MHz		
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-30.88	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-27.57	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-23.59	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-27.69	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-30.5	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-27.5	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-31.6	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-27.98	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-25.47	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-27.68	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-26.74	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-27.77	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-31.46	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-26.54	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-29.61	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-27.48	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-28.47	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-28.42	PASS

Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-26.82	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-26.95	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-31.24	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-27.81	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-31.36	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-27.57	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-28.42	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-26.8	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-26.14	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-28.29	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-29.1	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-27.65	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-26.45	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



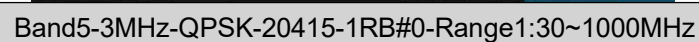
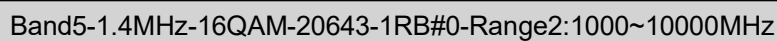
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



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



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





Band5-3MHz-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