

LTE Band5 Test Data

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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	23.92	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.97	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.91	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.90	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.90	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.91	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.94	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.02	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.04	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.96	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.97	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.00	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.00	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.98	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.93	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.93	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.86	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.89	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.88	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.93	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.26	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.13	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.85	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.83	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.84	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.82	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.94	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.85	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.84	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.81	PASS

Band5	1.4MHz	16QAM	20525	3RB#3	22.79	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.04	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.08	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.79	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.76	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.72	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.98	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.02	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.00	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.98	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.07	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.03	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.06	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.00	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.03	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.07	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.00	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.04	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.02	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.05	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.02	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.01	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.88	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.84	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.01	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.01	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.93	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.00	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.95	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.96	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.81	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.08	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.04	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.05	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.97	PASS

Band5	3MHz	16QAM	20525	1RB#0	23.34	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.33	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.17	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.10	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.11	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.11	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.11	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.13	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.13	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.03	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.01	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.04	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.90	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.12	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.13	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.07	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.05	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.04	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.99	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.06	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.12	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.14	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.00	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.07	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.06	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.04	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.06	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.02	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.13	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.95	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.05	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.05	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.00	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.01	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.15	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.17	PASS

Band5	5MHz	16QAM	20425	1RB#24	23.07	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.07	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.07	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.99	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.03	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.34	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.38	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.21	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.15	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.14	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.12	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.06	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.05	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.12	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.07	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.13	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.13	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.06	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.09	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.88	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.86	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.80	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.99	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.95	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.96	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.01	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.00	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.91	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.11	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.17	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.00	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.04	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.08	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.90	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.84	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.00	PASS

Band5	10MHz	QPSK	20600	25RB#12	23.01	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.04	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.98	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.07	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.17	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.10	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.00	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.96	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.88	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.88	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.32	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.32	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.16	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.18	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.19	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.09	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.01	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.92	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.88	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.04	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.04	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.07	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.99	PASS

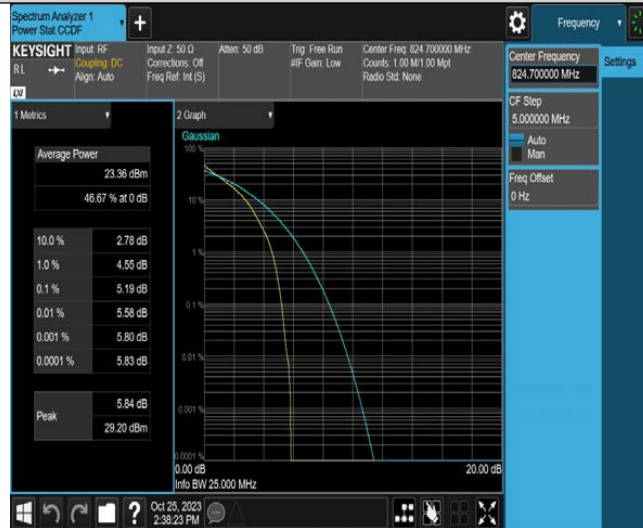
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

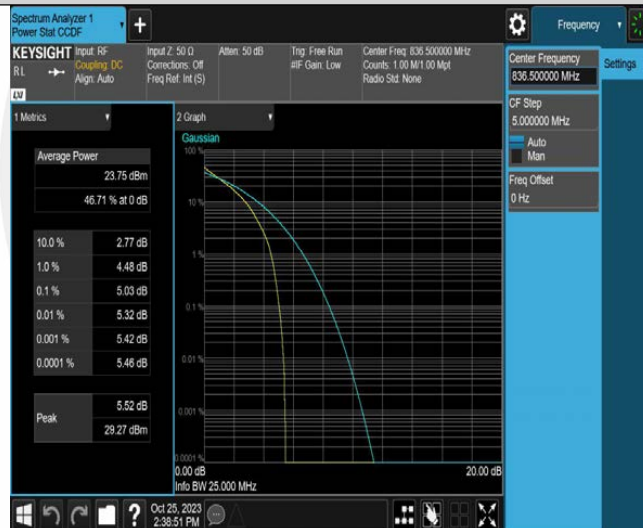
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.19	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.03	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.74	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.03	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.95	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.66	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.15	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.94	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.54	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.06	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.86	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.50	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.21	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.98	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.62	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.05	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.86	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.48	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.20	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.09	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.90	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.08	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.93	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.81	13	PASS

Test Graphs

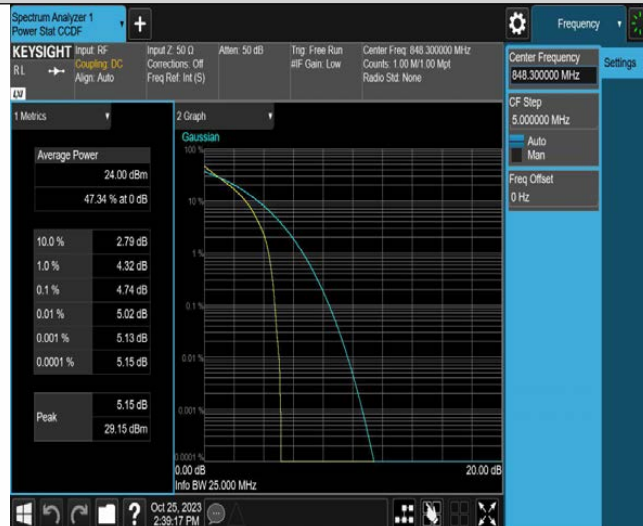
Band5-1.4MHz-QPSK-20407-6RB#0



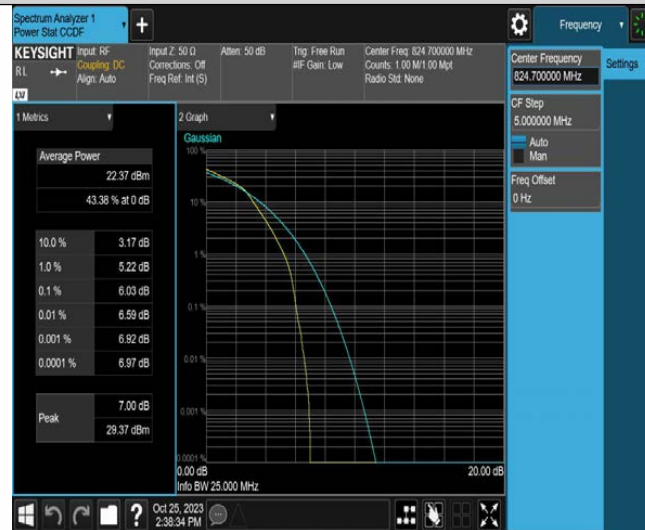
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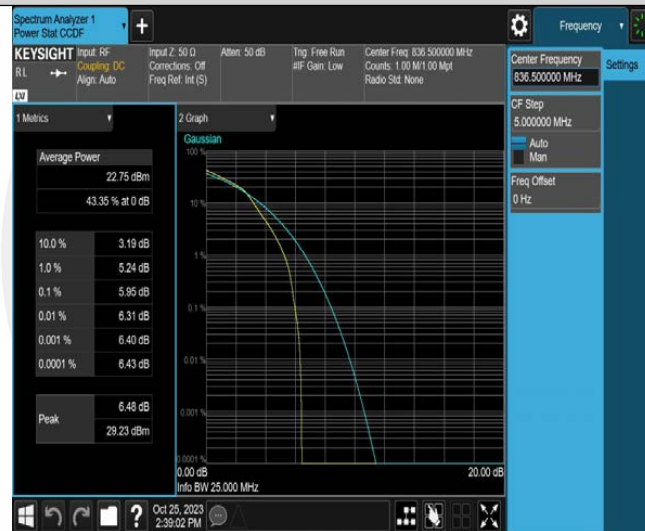
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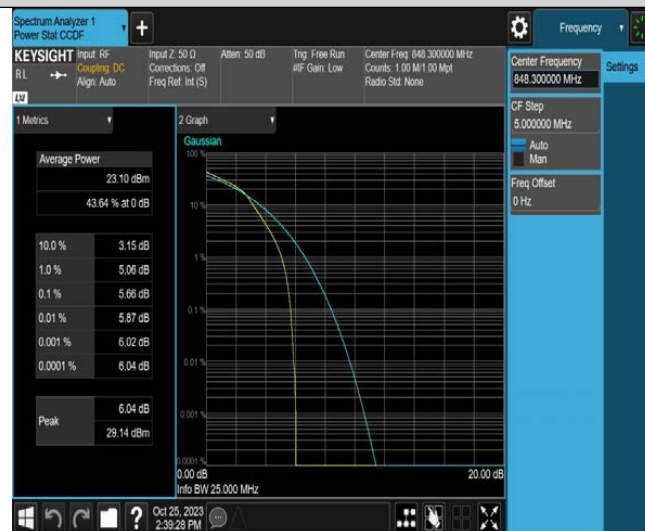
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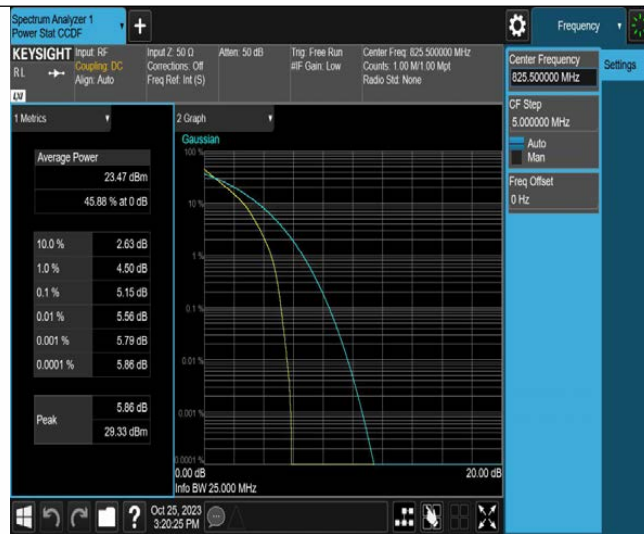
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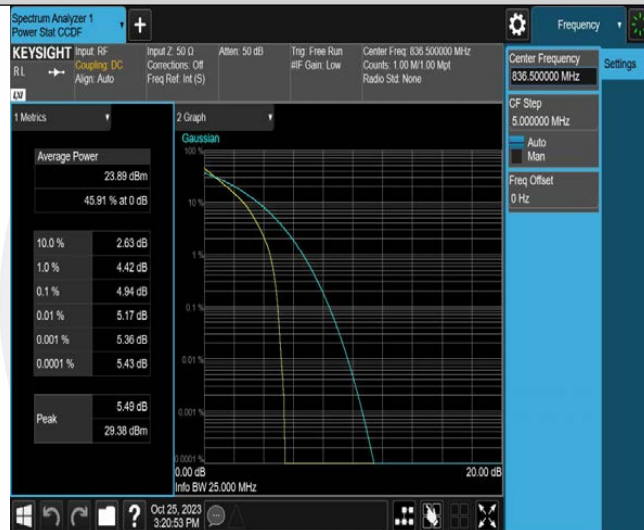
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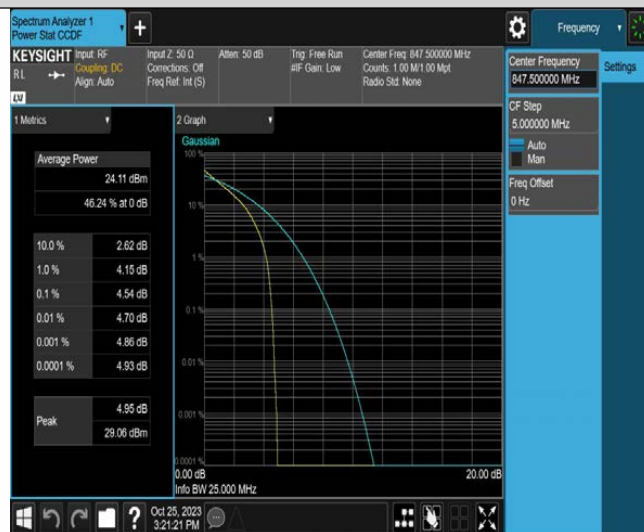
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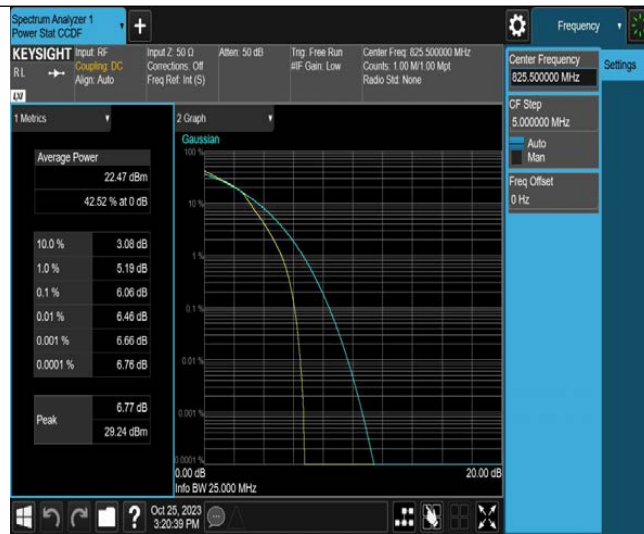
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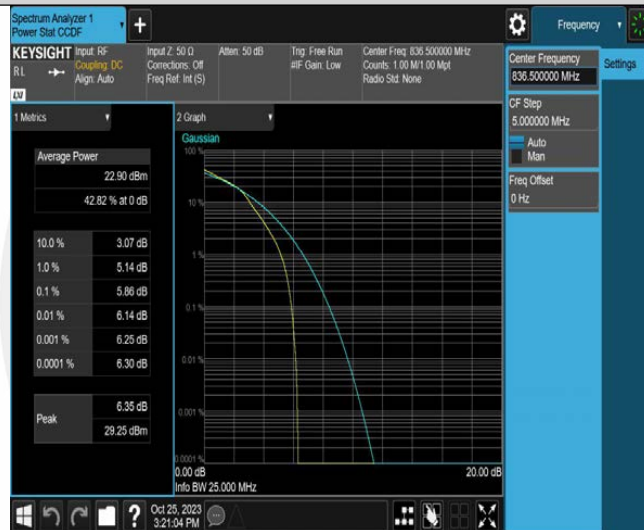
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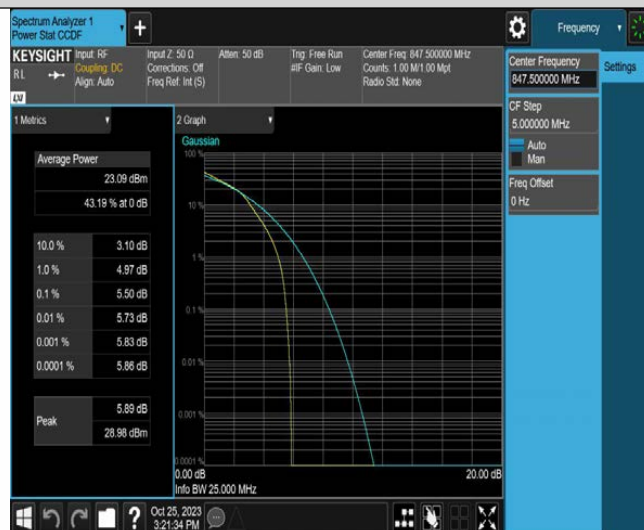
Band5-3MHz-16QAM-20415-15RB#0



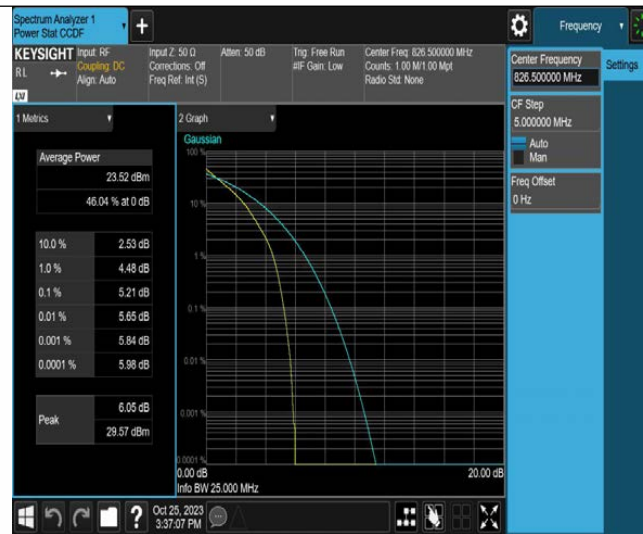
Band5-3MHz-16QAM-20525-15RB#0



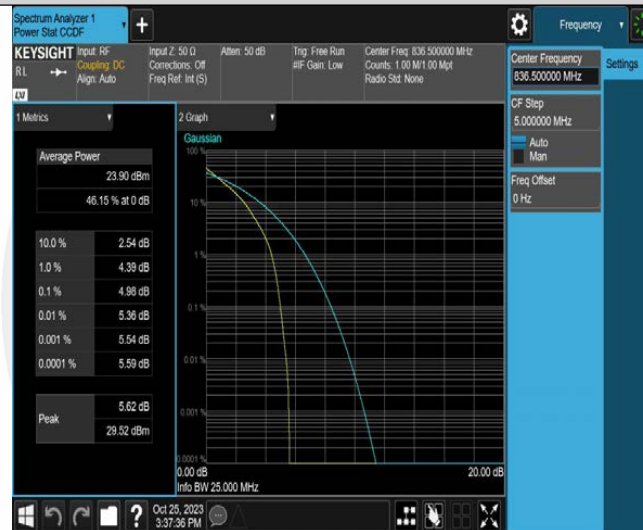
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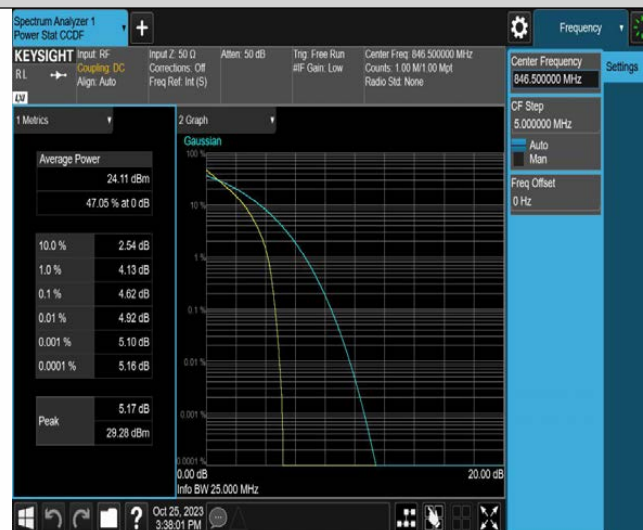
Band5-5MHz-QPSK-20425-25RB#0



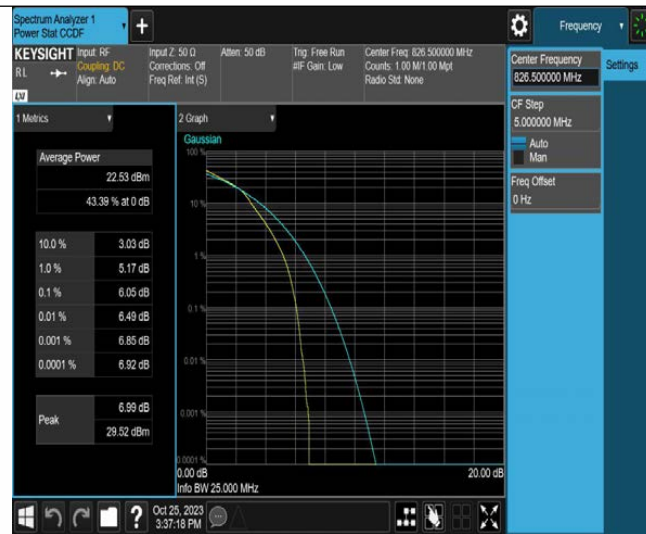
Band5-5MHz-QPSK-20525-25RB#0



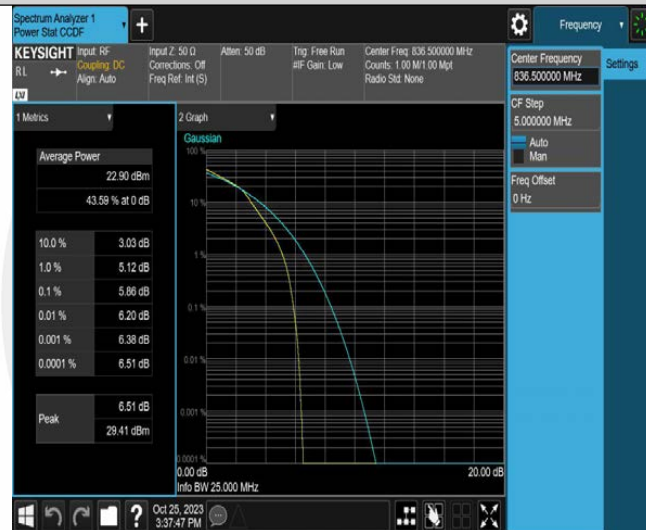
Band5-5MHz-QPSK-20625-25RB#0



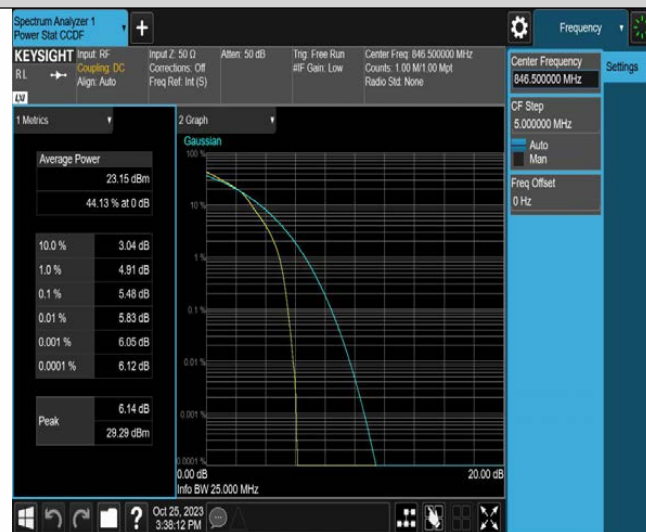
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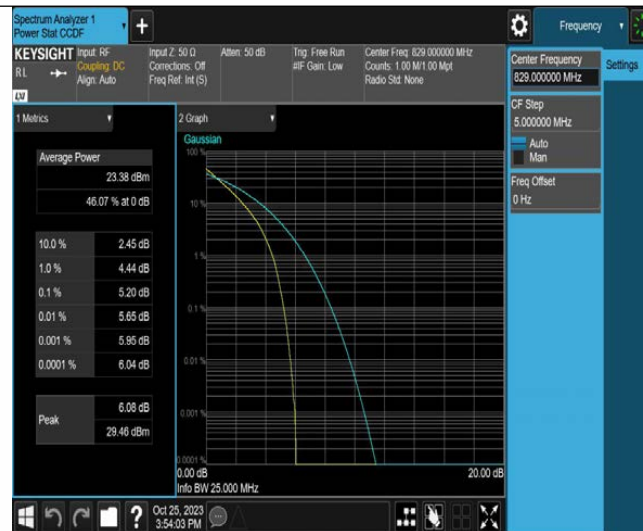
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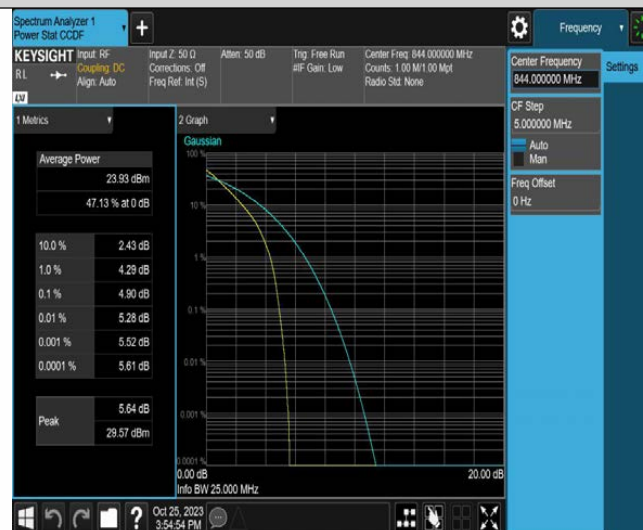
Band5-10MHz-QPSK-20450-50RB#0



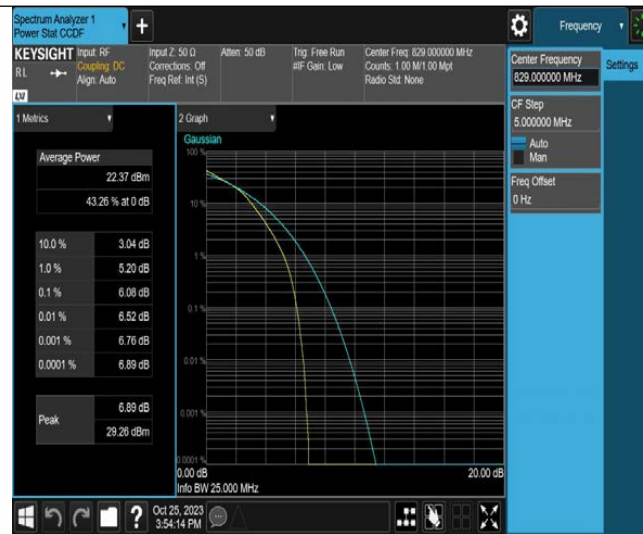
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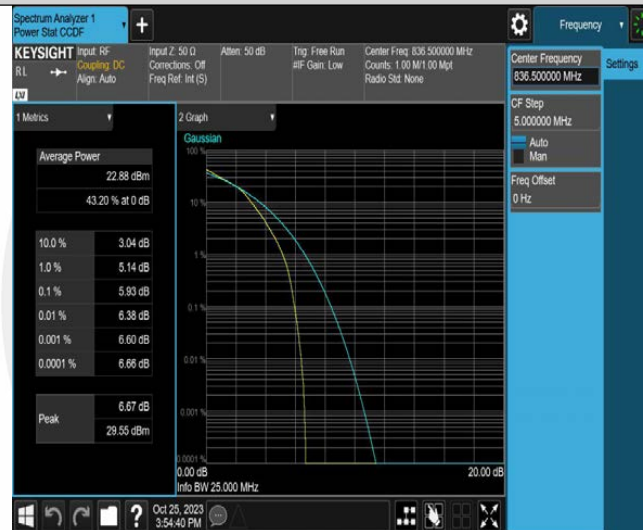
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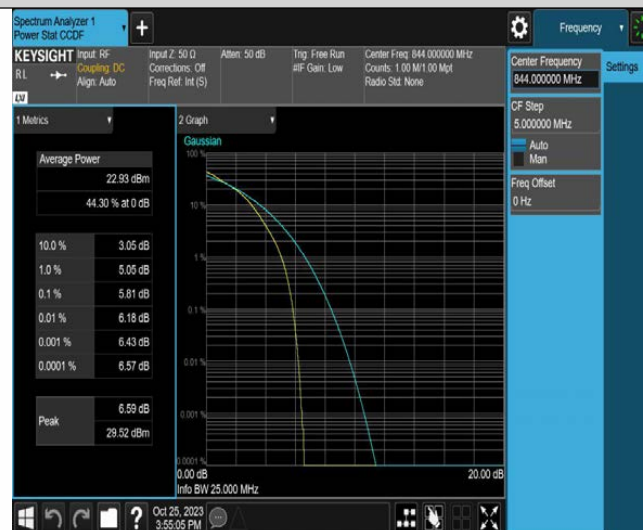
Band5-10MHz-16QAM-20450-50RB#0



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



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



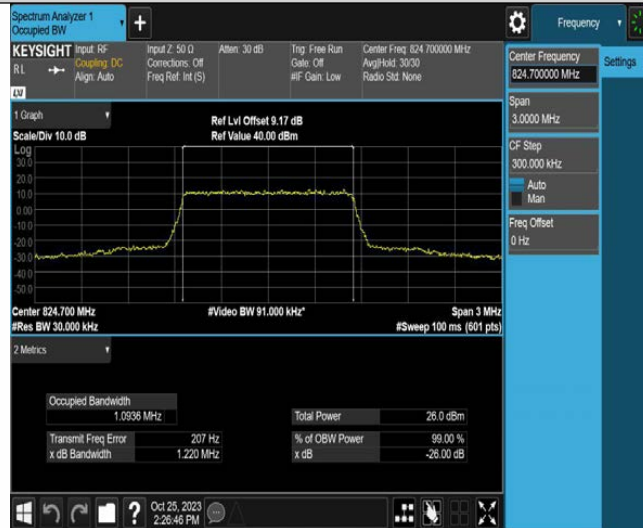
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0936	1.220	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0890	1.225	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0895	1.211	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0877	1.228	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0898	1.213	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0913	1.226	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6996	2.926	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6997	2.931	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6952	2.929	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6928	2.930	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6971	2.908	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6929	2.952	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5060	4.868	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5005	4.862	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5013	4.840	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5051	4.861	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5026	4.892	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5016	4.846	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9703	9.531	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9831	9.536	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9448	9.525	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9582	9.519	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9872	9.560	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9606	9.514	PASS

Test Graphs

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



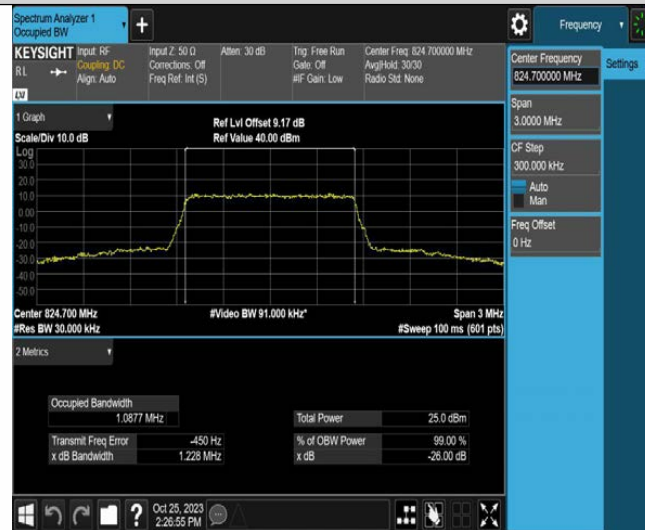
Band5-1.4MHz-QPSK-20525-6RB#0



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



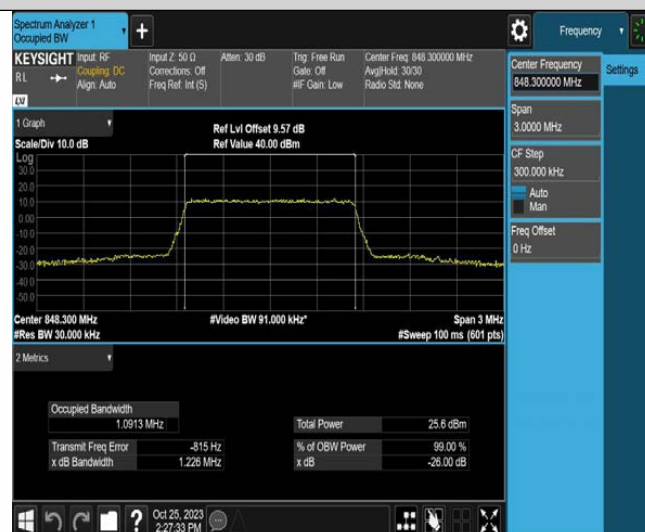
Band5-1.4MHz-16QAM-20407-6RB#0



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



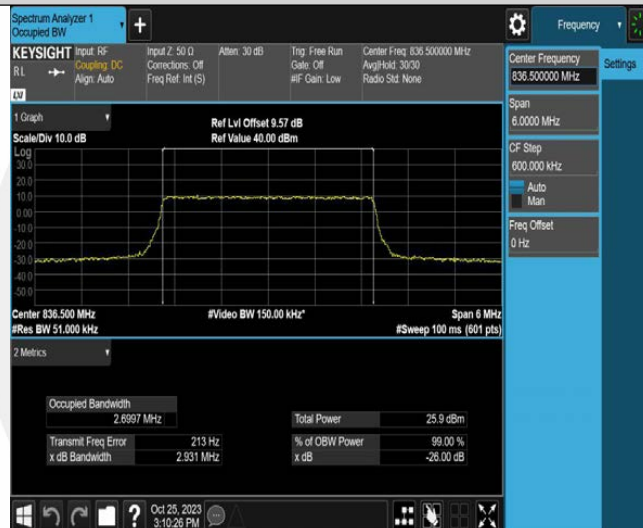
Band5-1.4MHz-16QAM-20643-6RB#0



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



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



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



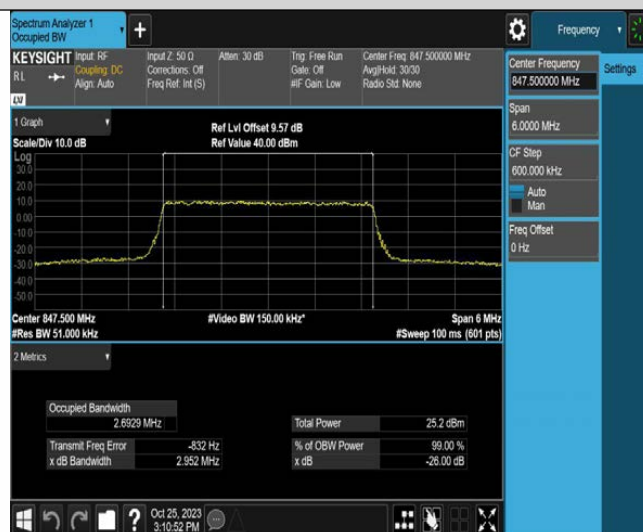
Band5-3MHz-16QAM-20415-15RB#0



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



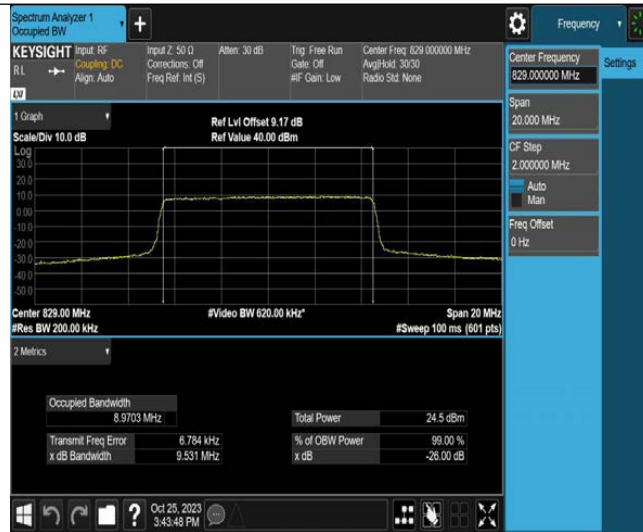
Band5-5MHz-16QAM-20525-25RB#0



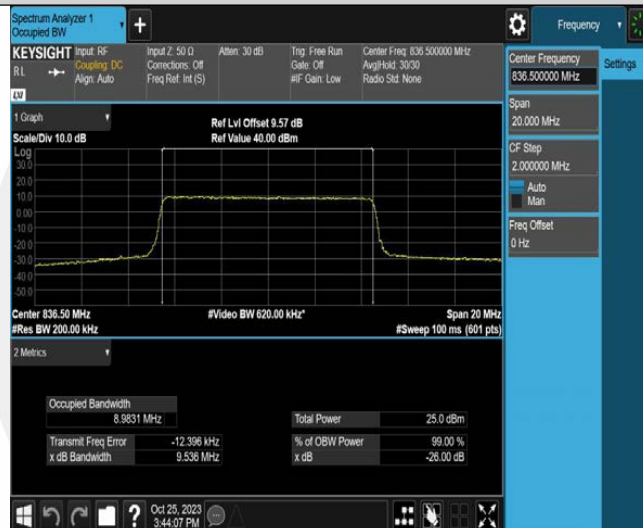
Band5-5MHz-16QAM-20625-25RB#0



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	6RB#0	-26.17	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-27.42	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-25.68	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-27.06	PASS
Band5	3MHz	QPSK	20415	15RB#0	-22.53	PASS
Band5	3MHz	QPSK	20635	15RB#0	-24.37	PASS
Band5	3MHz	16QAM	20415	15RB#0	-23.18	PASS
Band5	3MHz	16QAM	20635	15RB#0	-23.49	PASS
Band5	5MHz	QPSK	20425	25RB#0	-24.72	PASS
Band5	5MHz	QPSK	20625	25RB#0	-25.15	PASS
Band5	5MHz	16QAM	20425	25RB#0	-25.44	PASS
Band5	5MHz	16QAM	20625	25RB#0	-25.23	PASS
Band5	10MHz	QPSK	20450	50RB#0	-26.64	PASS
Band5	10MHz	QPSK	20600	50RB#0	-27.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	-27.74	PASS
Band5	10MHz	16QAM	20600	50RB#0	-27.27	PASS

Test Graphs

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



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



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



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



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



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



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



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



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



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



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



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



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



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



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



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	-45.85	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	Range2:1000~10000MHz	-35.46	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.69	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-36.24	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range1:30~1000MHz	-46.34	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	Range2:1000~10000MHz	-35.38	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range1:30~1000MHz	-45.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	Range2:1000~10000MHz	-35.44	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.27	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-35.3	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range1:30~1000MHz	-45.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	Range2:1000~10000MHz	-35.82	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range1:30~1000MHz	-46.02	PASS
Band5	3MHz	QPSK	20415	1RB#0	Range2:1000~10000MHz	-35.36	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-46.38	PASS
Band5	3MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-35.49	PASS
Band5	3MHz	QPSK	20635	1RB#0	Range1:30~1000MHz	-45.97	PASS

					00MHz		
Band5	3MHz	QPSK	20635	1RB#0	Range2:1000~10000MHz	-36.21	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range1:30~1000MHz	-46.05	PASS
Band5	3MHz	16QAM	20415	1RB#0	Range2:1000~10000MHz	-34.06	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-44.87	PASS
Band5	3MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-36.57	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range1:30~1000MHz	-45.99	PASS
Band5	3MHz	16QAM	20635	1RB#0	Range2:1000~10000MHz	-35.76	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range1:30~1000MHz	-45.01	PASS
Band5	5MHz	QPSK	20425	1RB#0	Range2:1000~10000MHz	-35.99	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.72	PASS
Band5	5MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-35.81	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range1:30~1000MHz	-45.95	PASS
Band5	5MHz	QPSK	20625	1RB#0	Range2:1000~10000MHz	-35.67	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range1:30~1000MHz	-45	PASS
Band5	5MHz	16QAM	20425	1RB#0	Range2:1000~10000MHz	-36.01	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-46.11	PASS
Band5	5MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-34.72	PASS
Band5	5MHz	16QAM	20625	1RB#0	Range1:30~1000MHz	-45.63	PASS

Band5	5MHz	16QAM	20625	1RB#0	Range2:1000~10000MHz	-35.64	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range1:30~1000MHz	-46.02	PASS
Band5	10MHz	QPSK	20450	1RB#0	Range2:1000~10000MHz	-34.93	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range1:30~1000MHz	-45.83	PASS
Band5	10MHz	QPSK	20525	1RB#0	Range2:1000~10000MHz	-36.04	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range1:30~1000MHz	-45.63	PASS
Band5	10MHz	QPSK	20600	1RB#0	Range2:1000~10000MHz	-36.53	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range1:30~1000MHz	-45.66	PASS
Band5	10MHz	16QAM	20450	1RB#0	Range2:1000~10000MHz	-35.54	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range1:30~1000MHz	-45.77	PASS
Band5	10MHz	16QAM	20525	1RB#0	Range2:1000~10000MHz	-35.81	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range1:30~1000MHz	-44.81	PASS
Band5	10MHz	16QAM	20600	1RB#0	Range2:1000~10000MHz	-36.14	PASS

Test Graphs

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



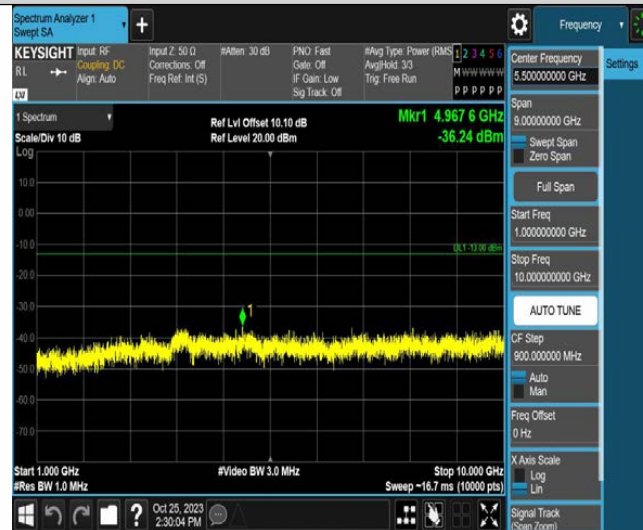
Band5-1.4MHz-QPSK-20407-1RB#0-Range2:1000~10000MHz



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



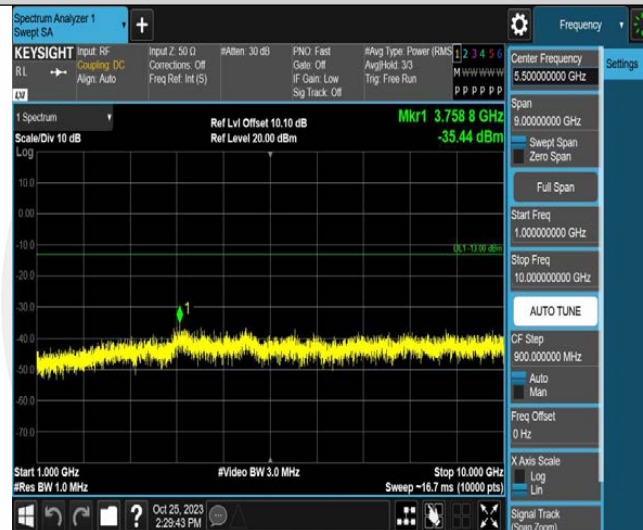
Band5-1.4MHz-QPSK-20643-1RB#0-Range2:1000~10000MHz



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



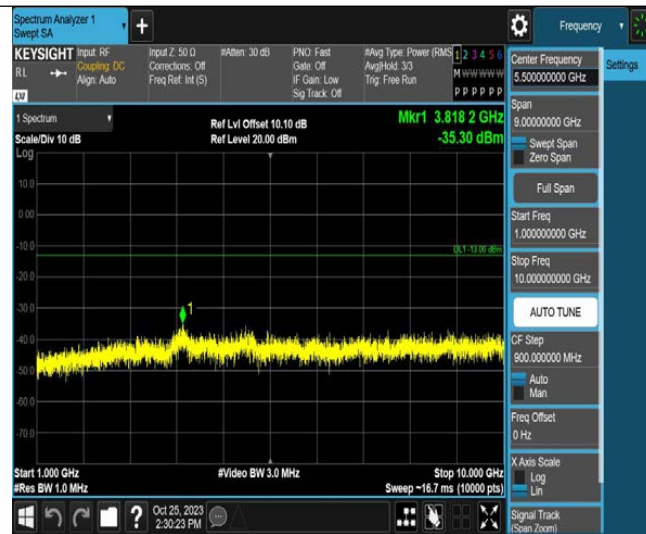
Band5-1.4MHz-16QAM-20407-1RB#0-Range2:1000~10000MHz



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



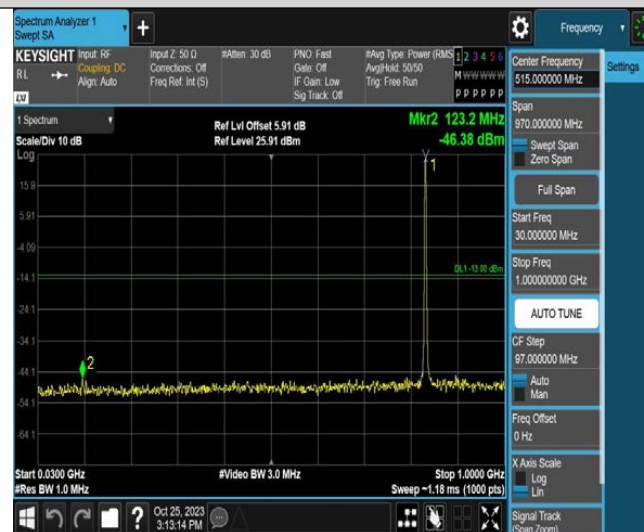
Band5-3MHz-QPSK-20415-1RB#0-Range1:30~1000MHz



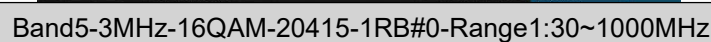
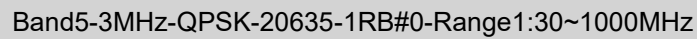
Band5-3MHz-QPSK-20415-1RB#0-Range2:1000~10000MHz



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

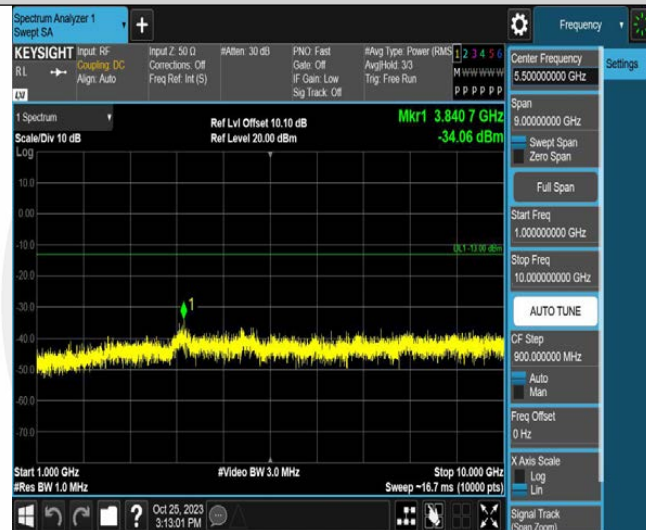


Band5-3MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz





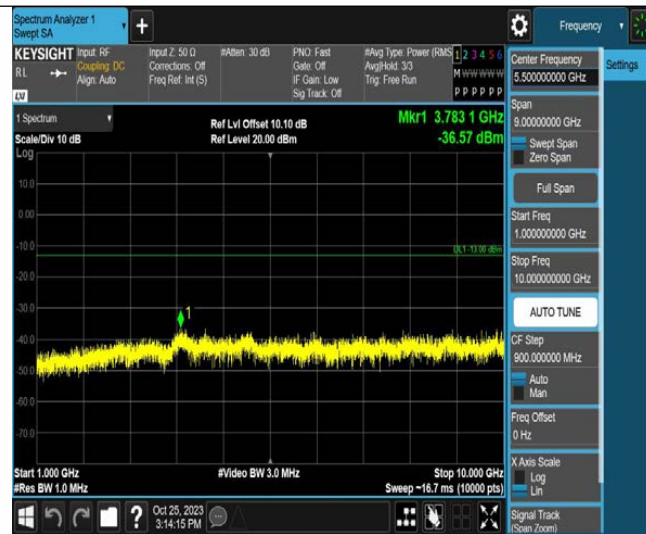
Band5-3MHz-16QAM-20415-1RB#0-Range2:1000~10000MHz



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



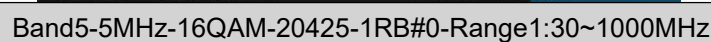
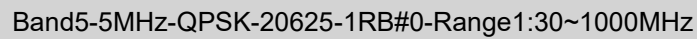
Band5-5MHz-QPSK-20425-1RB#0-Range2:1000~10000MHz



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

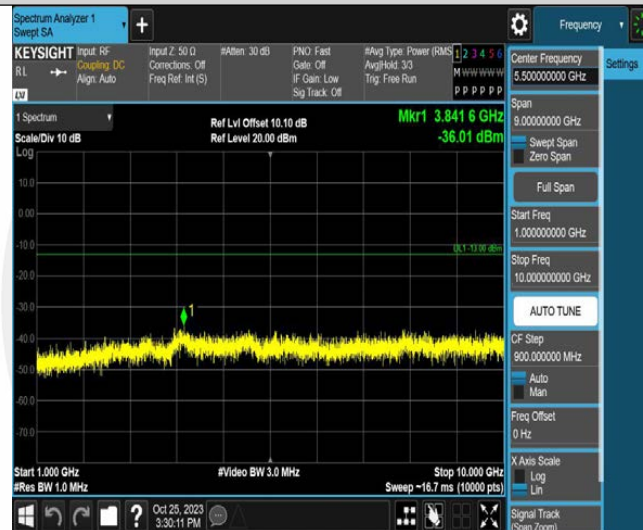


Band5-5MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz





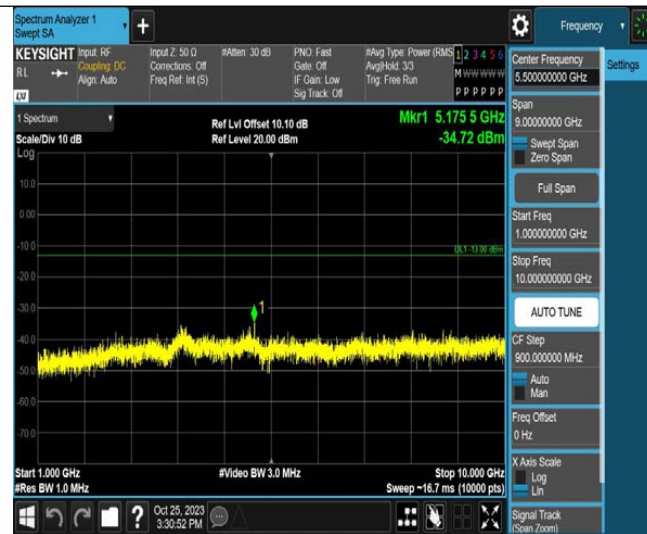
Band5-5MHz-16QAM-20425-1RB#0-Range2:1000~10000MHz



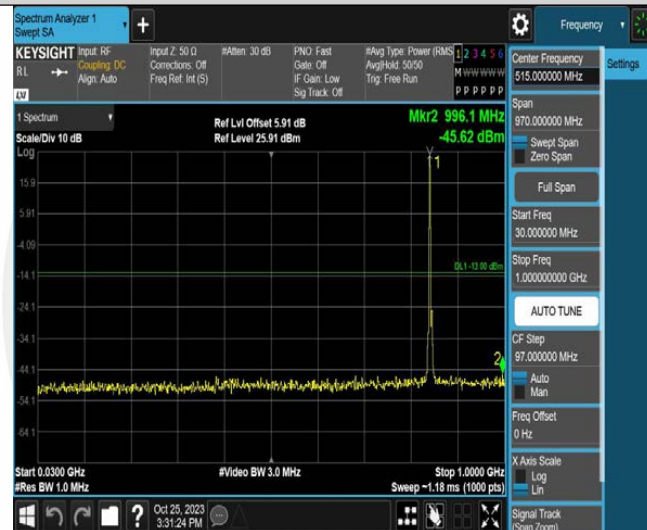
Band5-5MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



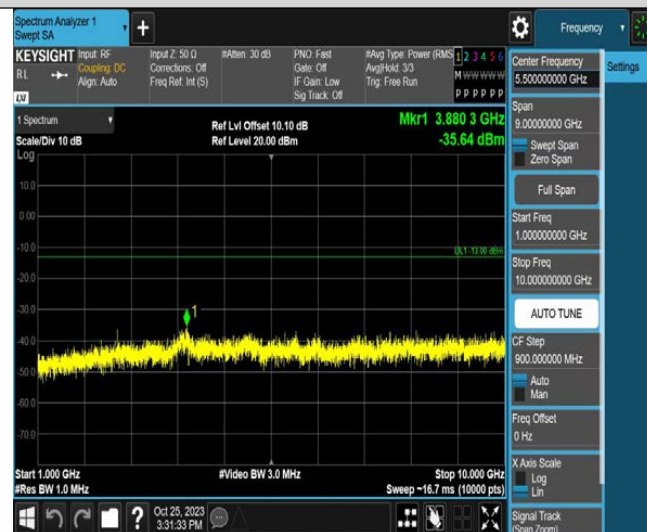
Band5-5MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



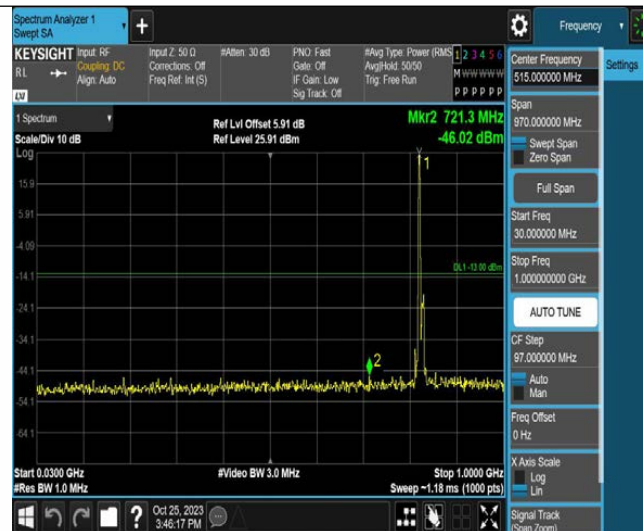
Band5-5MHz-16QAM-20625-1RB#0-Range1:30~1000MHz



Band5-5MHz-16QAM-20625-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-QPSK-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range1:30~1000MHz



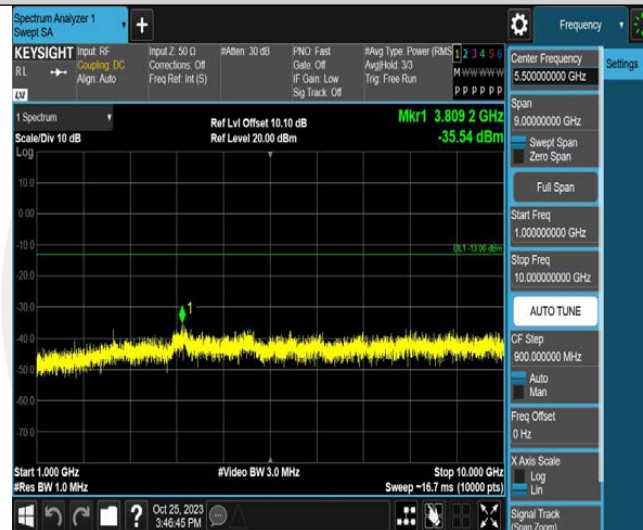
Band5-10MHz-QPSK-20600-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20450-1RB#0-Range2:1000~10000MHz



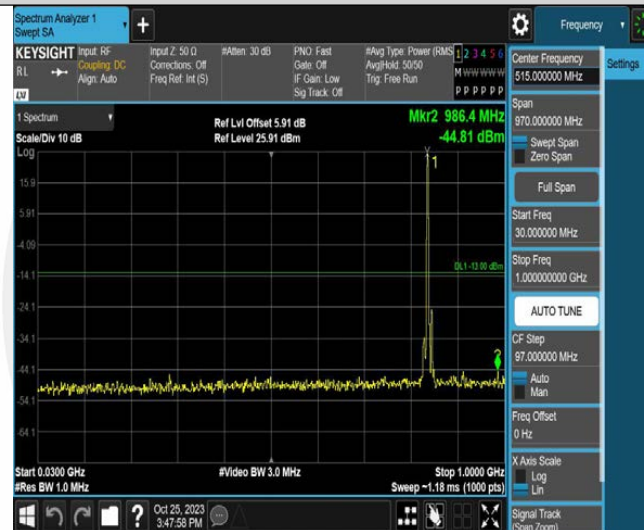
Band5-10MHz-16QAM-20525-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20525-1RB#0-Range2:1000~10000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range1:30~1000MHz



Band5-10MHz-16QAM-20600-1RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	VL	NT	15.99	0.019389	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VN	NT	15.01	0.018201	±2.5	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	VH	NT	9.04	0.010962	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-24.72	-0.029552	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	-28.14	-0.033640	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-20.17	-0.024112	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VL	NT	-15.26	-0.017989	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VN	NT	-23.98	-0.028268	±2.5	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	VH	NT	-8.90	-0.010492	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VL	NT	-2.96	-0.003589	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VN	NT	-2.80	-0.003395	±2.5	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	VH	NT	-7.67	-0.009300	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VL	NT	-8.33	-0.009958	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VN	NT	-5.65	-0.006754	±2.5	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	VH	NT	-2.96	-0.003539	±2.5	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	VL	NT	-7.31	-0.008617	±2.5	PASS