

Appendix for Band 5

Product Name: 4G Smart Router

Model No: GL-MiFiC4-EXT

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	24.00	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.10	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.96	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.10	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.17	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.00	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.21	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.27	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.43	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.14	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.26	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.34	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.30	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.40	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.25	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.39	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.31	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.19	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.30	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.97	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.20	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.96	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.95	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.29	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.65	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.07	PASS

Band5	1.4MHz	16QAM	20525	3RB#0	23.13	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.12	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.04	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.24	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.50	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.21	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.02	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.02	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.05	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.37	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.89	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.95	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.08	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.07	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.06	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.23	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.13	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.02	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.93	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.07	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.11	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.10	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.30	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.07	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.16	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.20	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.17	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.31	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.31	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.33	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.32	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.19	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.15	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.16	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.14	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.23	PASS

Band5	3MHz	16QAM	20415	8RB#7	22.30	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.21	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.92	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.84	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.84	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.25	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.24	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.36	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.13	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.25	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.21	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.17	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.38	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.38	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.32	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.40	PASS
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Band5	5MHz	QPSK	20425	1RB#12	24.01	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.13	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.13	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.12	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.15	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.11	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.08	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.27	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.88	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.14	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.13	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.13	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.12	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.11	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.30	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.27	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.23	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.24	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.37	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.26	PASS

Band5	5MHz	16QAM	20425	1RB#0	23.05	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.82	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.99	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.18	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.15	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.20	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.37	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.22	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.12	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.06	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.27	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.26	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.26	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.08	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.22	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.19	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.14	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.28	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.08	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.21	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.30	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.90	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.08	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.97	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.19	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.18	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.14	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.22	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.08	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.35	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.01	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.19	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.27	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.22	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.17	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.15	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.15	PASS

Band5	10MHz	QPSK	20600	1RB#49	23.99	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.33	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.24	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.33	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.26	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.97	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.34	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.14	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.13	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.22	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.06	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.16	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.30	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.56	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.03	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.17	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.35	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.32	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.20	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.39	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.55	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.31	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.19	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.21	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.36	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.22	PASS

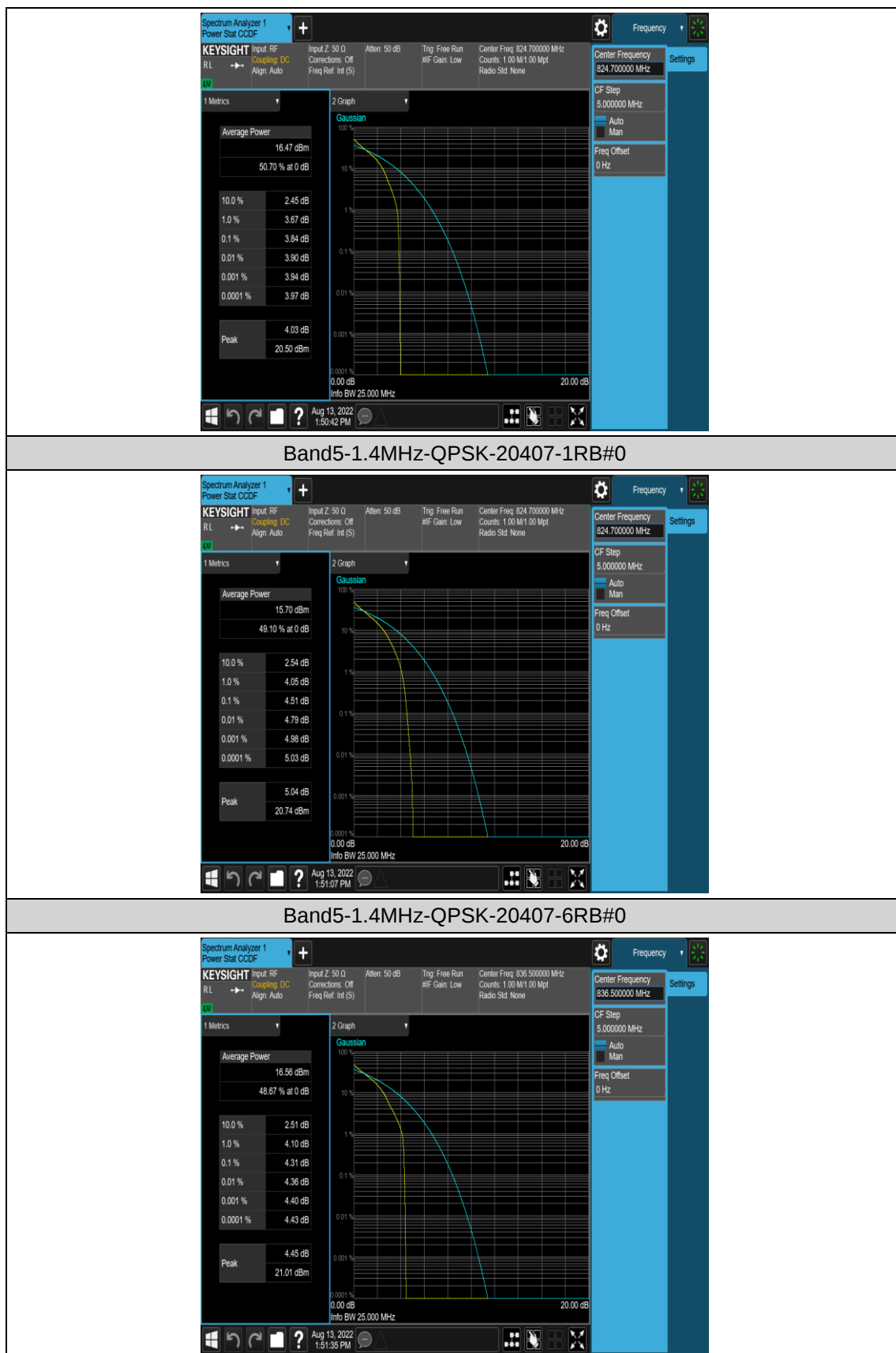
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

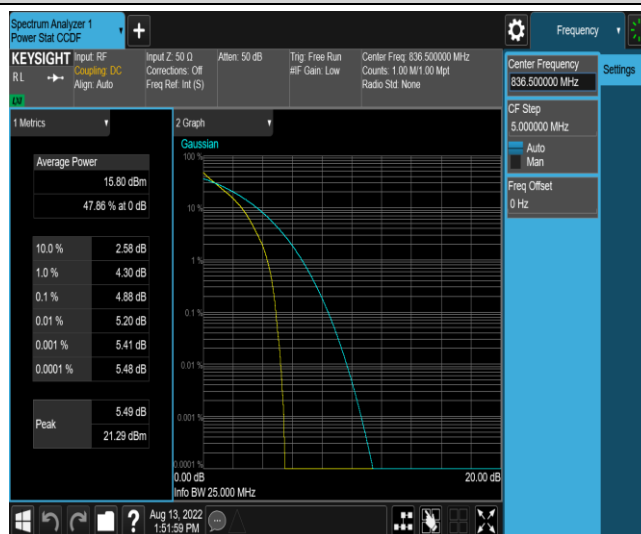
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.84	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.51	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.31	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.88	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.23	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.82	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.80	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.33	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.76	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.26	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.71	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.87	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.63	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.48	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.97	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.17	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.94	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.56	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.53	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.31	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.83	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.08	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.81	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.90	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.73	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.49	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.91	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.89	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.89	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.70	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.38	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.74	13	PASS

Band5	5MHz	16QAM	20625	25RB#0	5.69	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.85	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.02	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.47	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.82	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.51	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.77	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.59	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.39	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.69	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.37	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.59	13	PASS

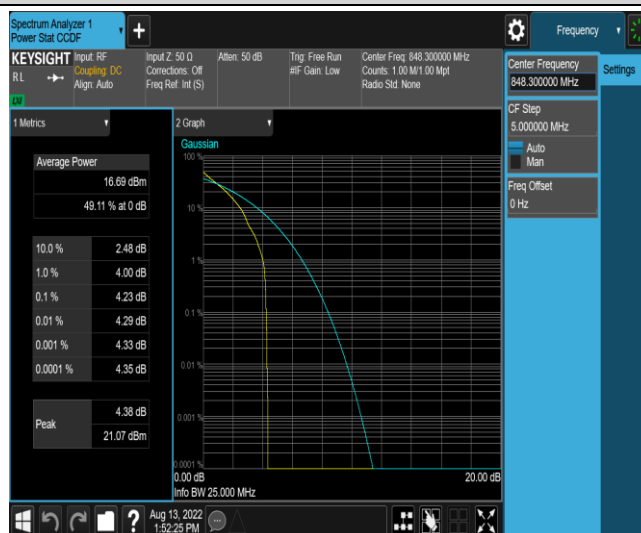
Test Graphs



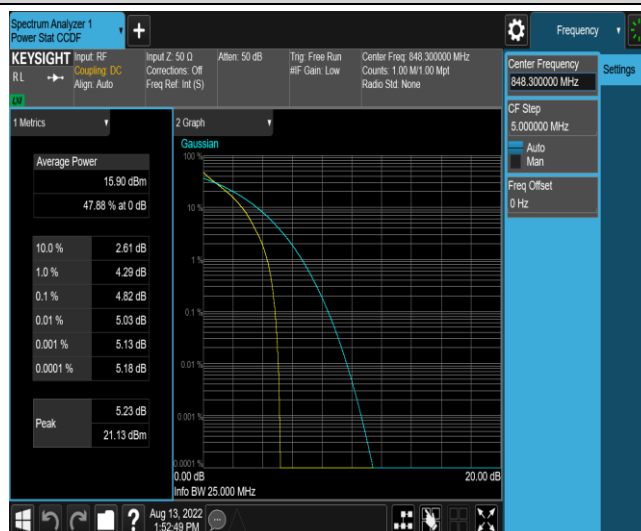
Band5-1.4MHz-QPSK-20525-1RB#0



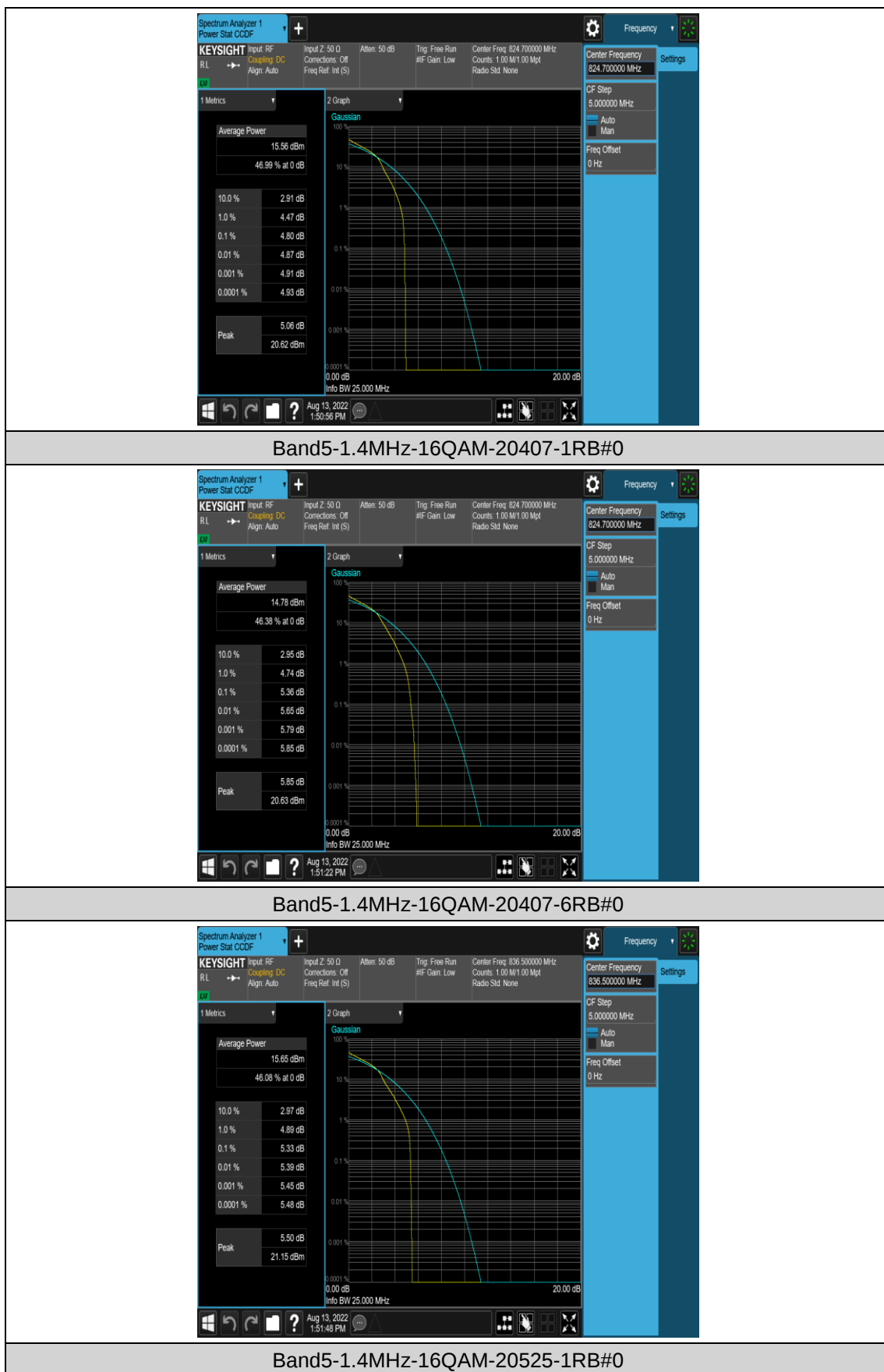
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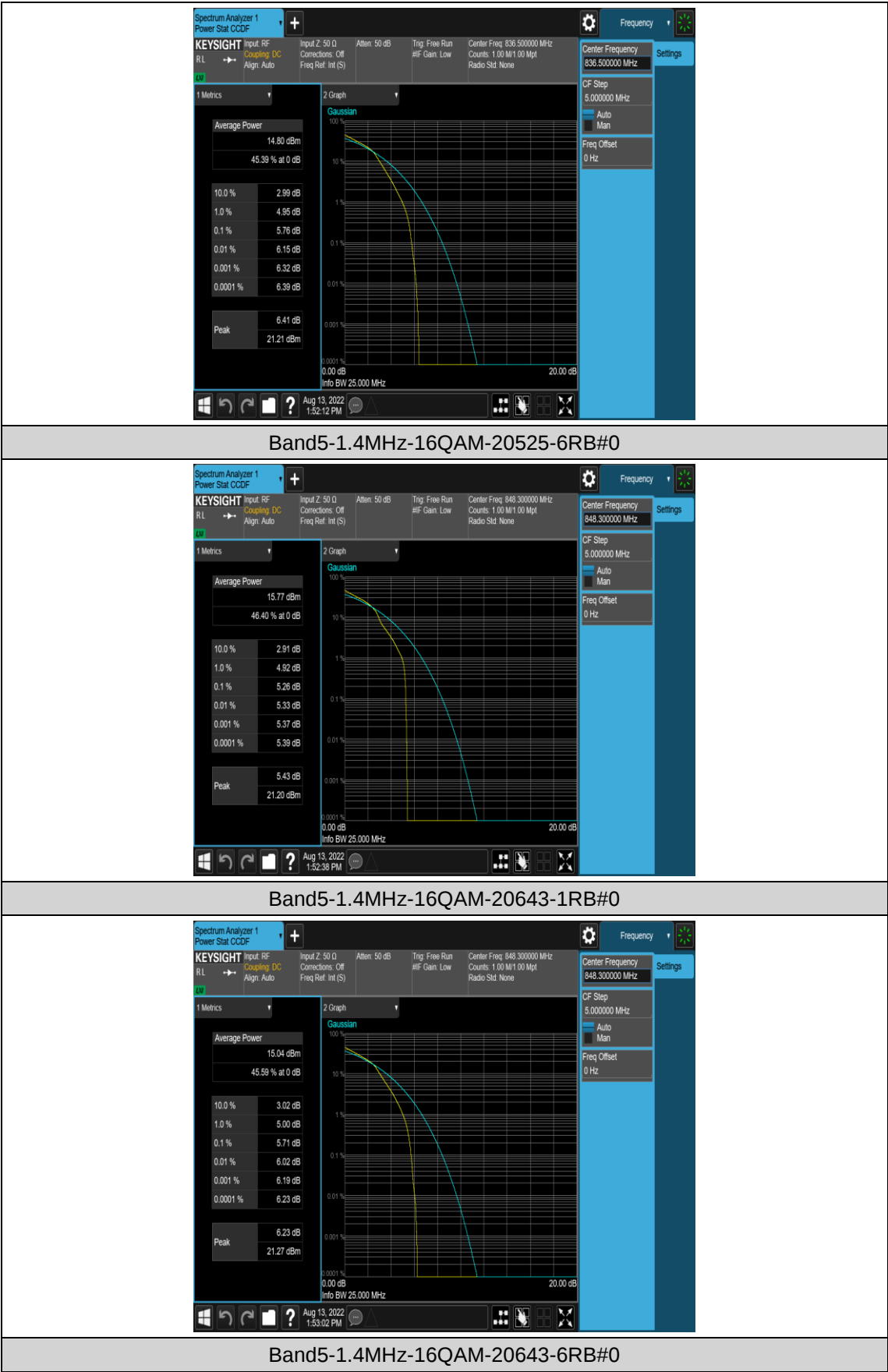


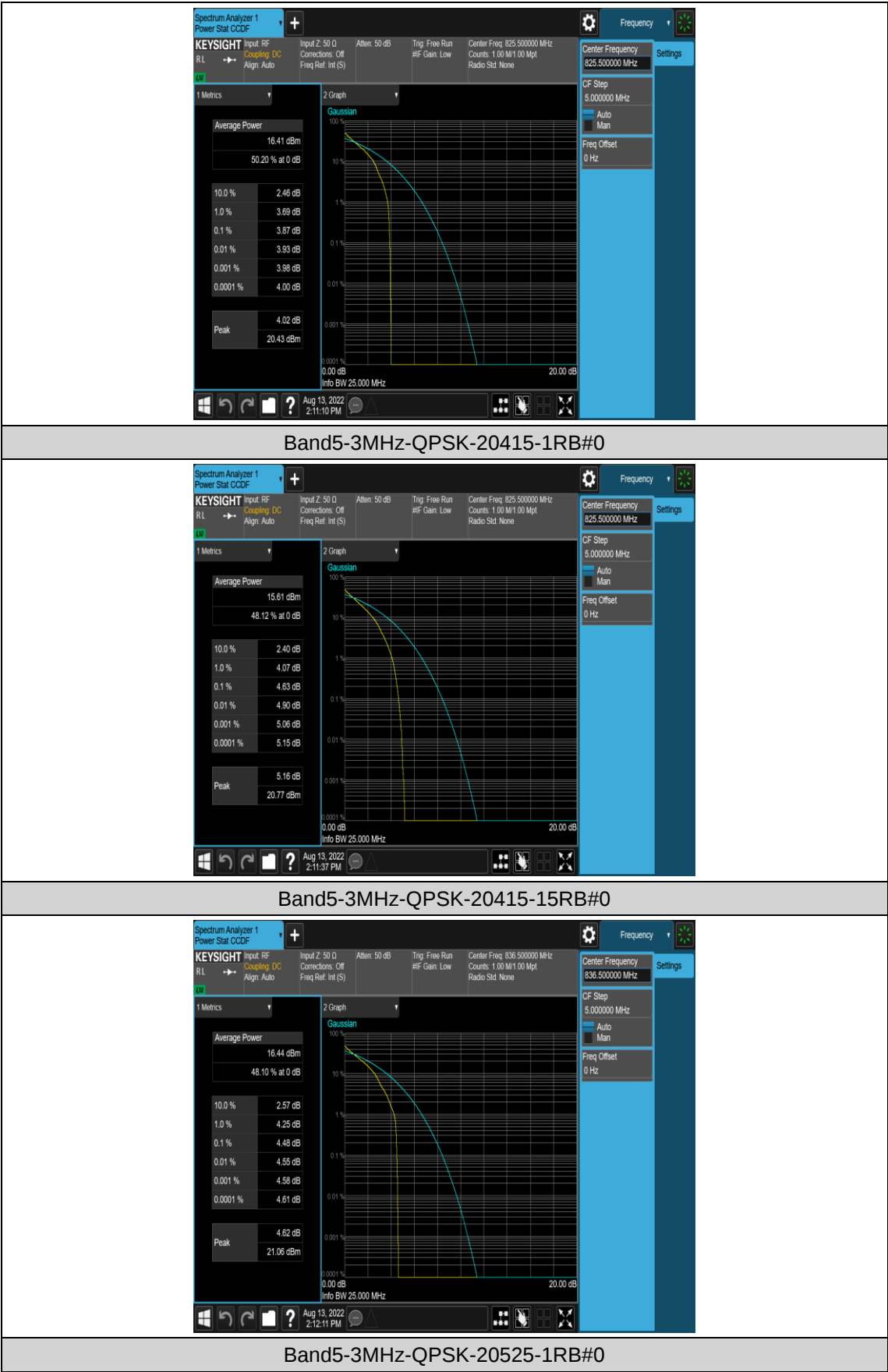
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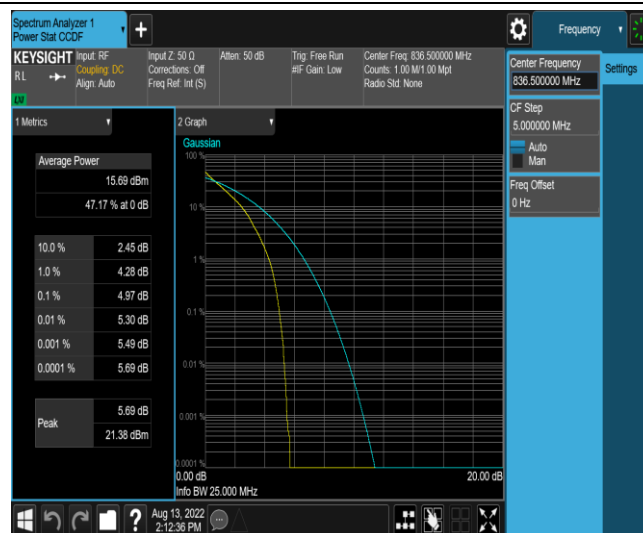


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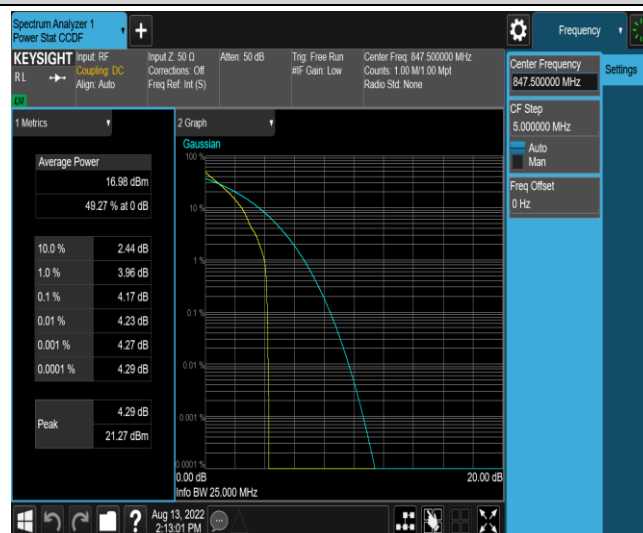




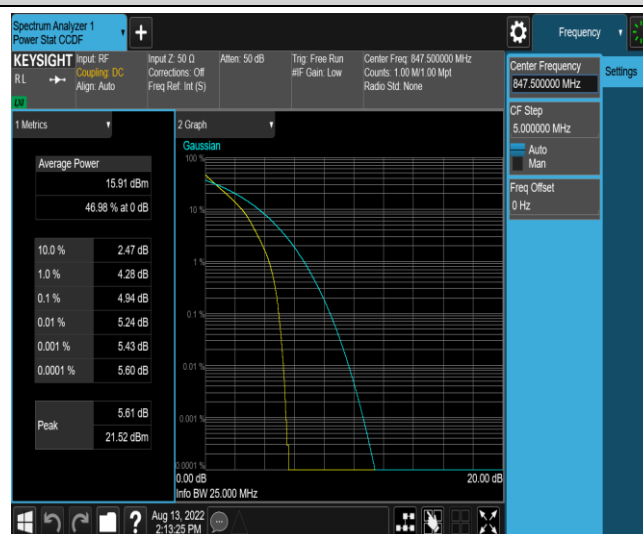




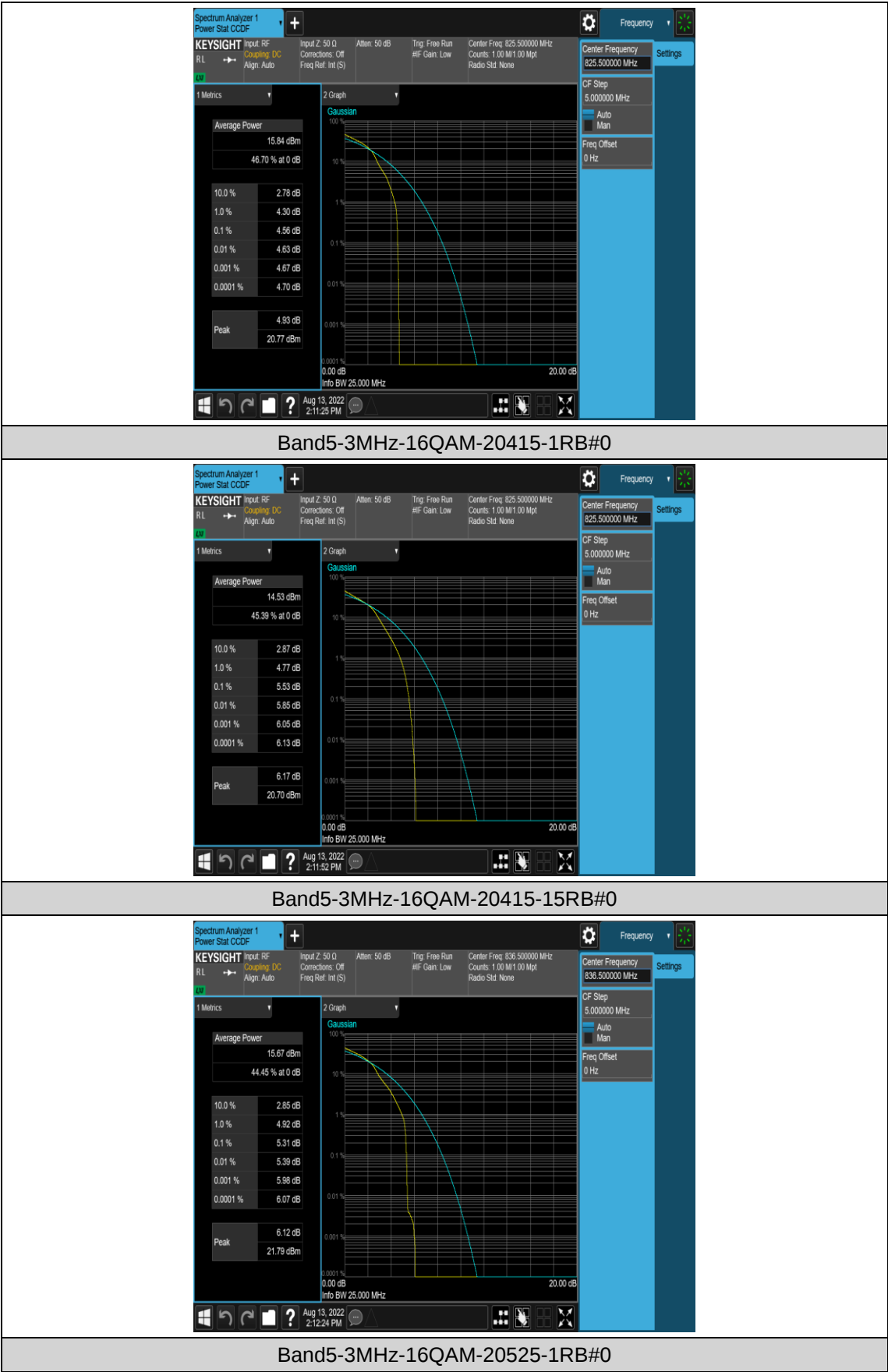
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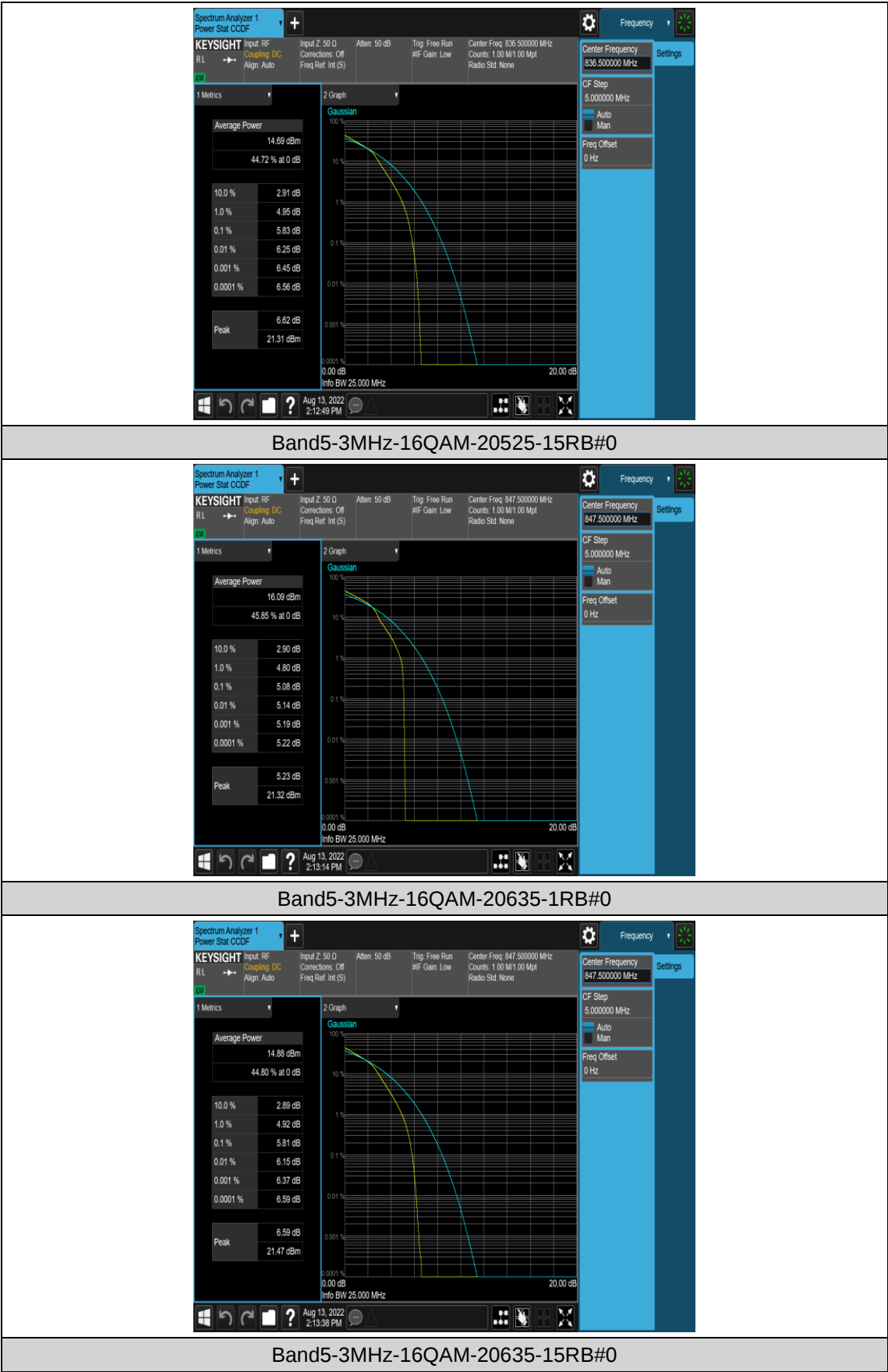


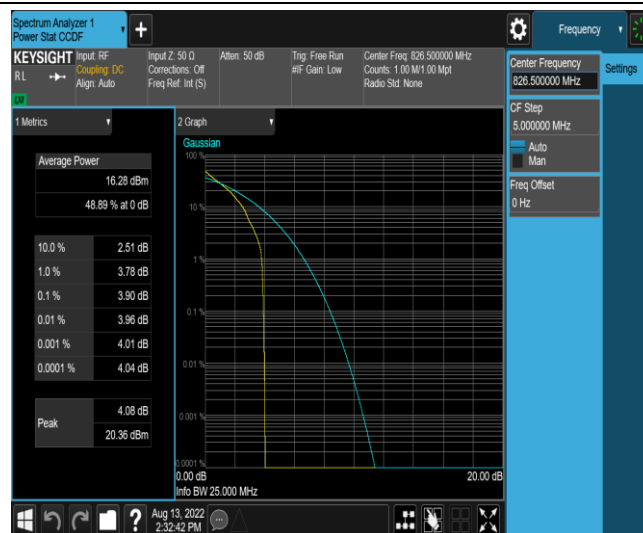
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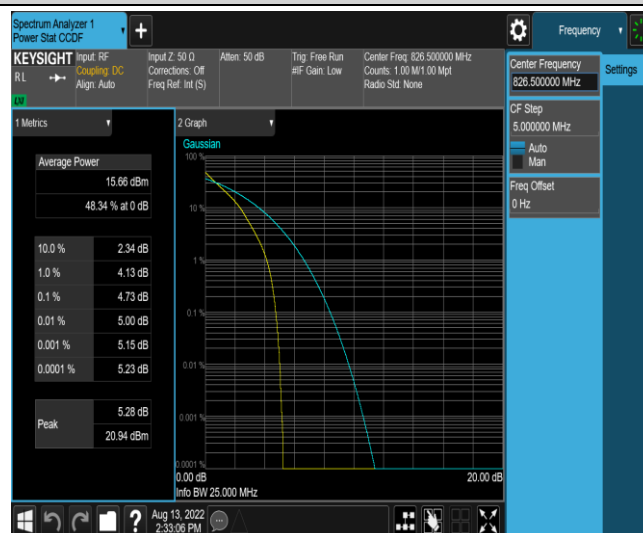
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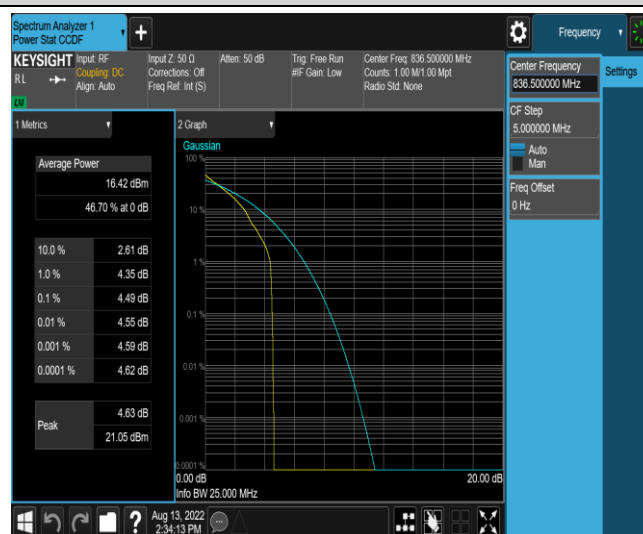




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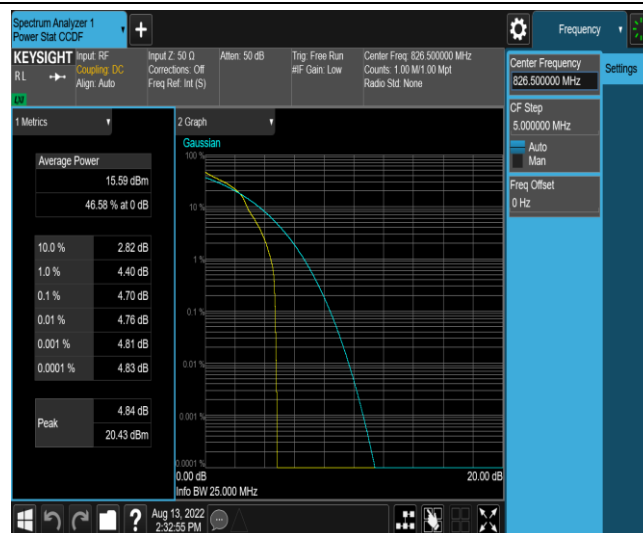


Band5-5MHz-QPSK-20425-25RB#0



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





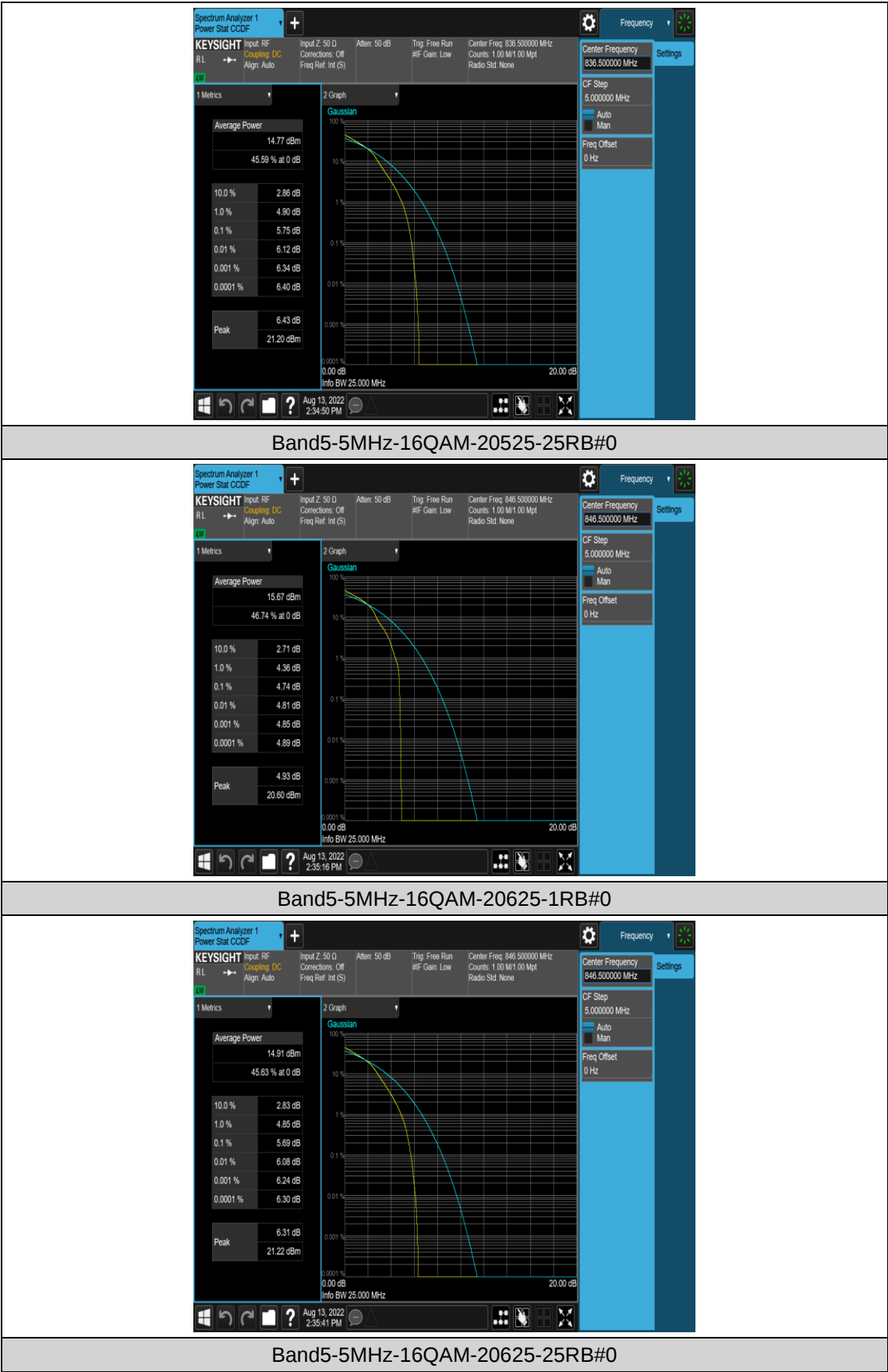
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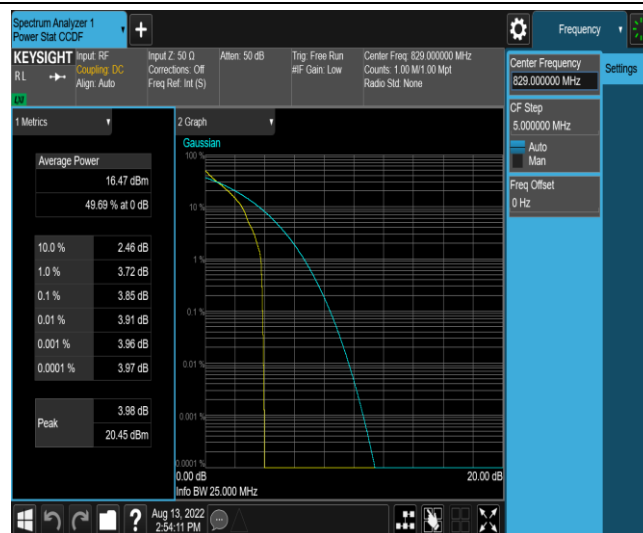


Band5-5MHz-16QAM-20425-25RB#0



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

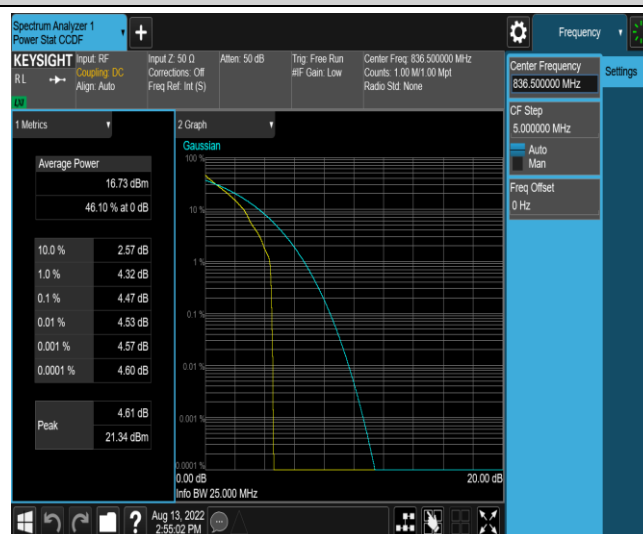




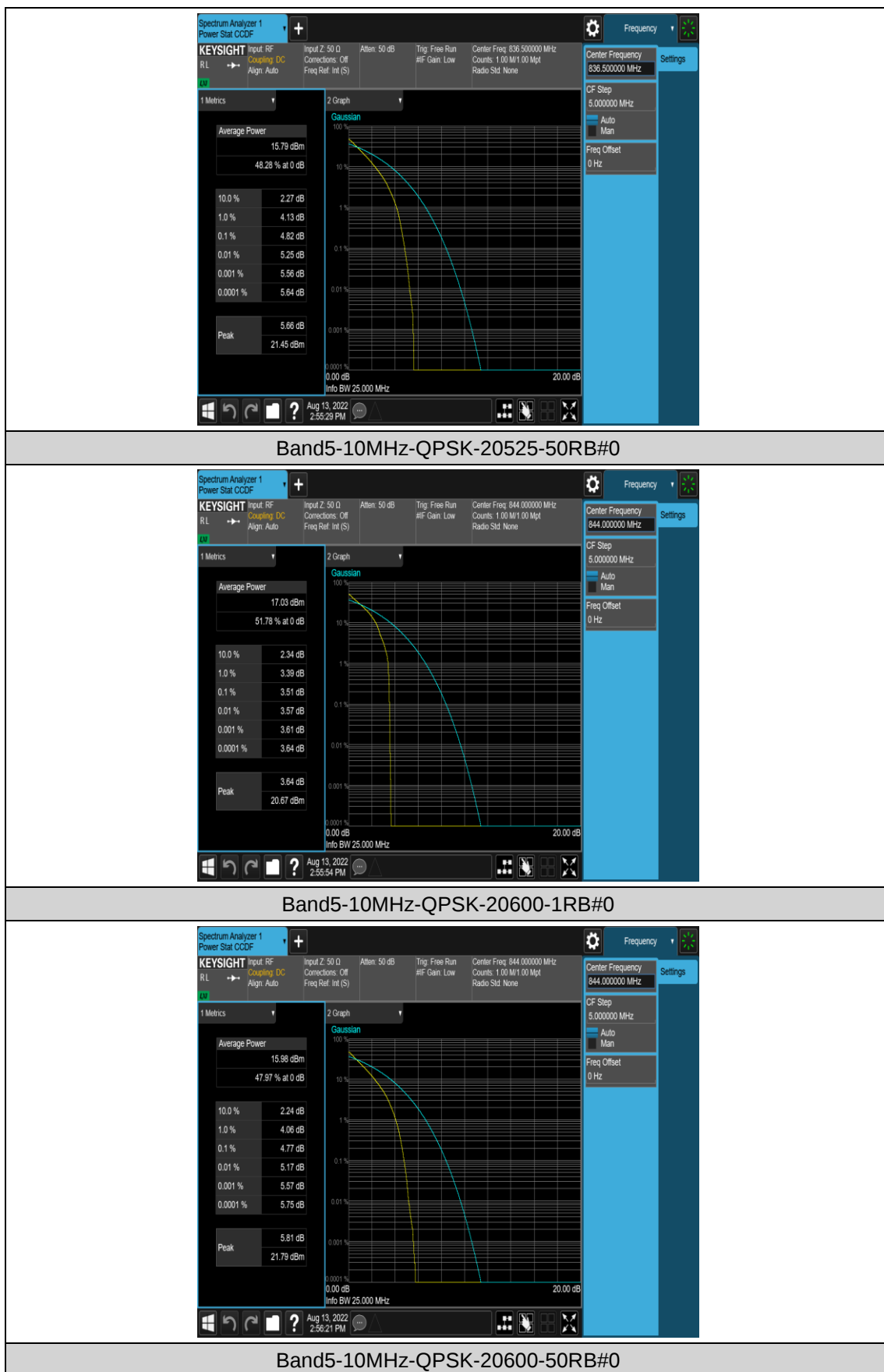
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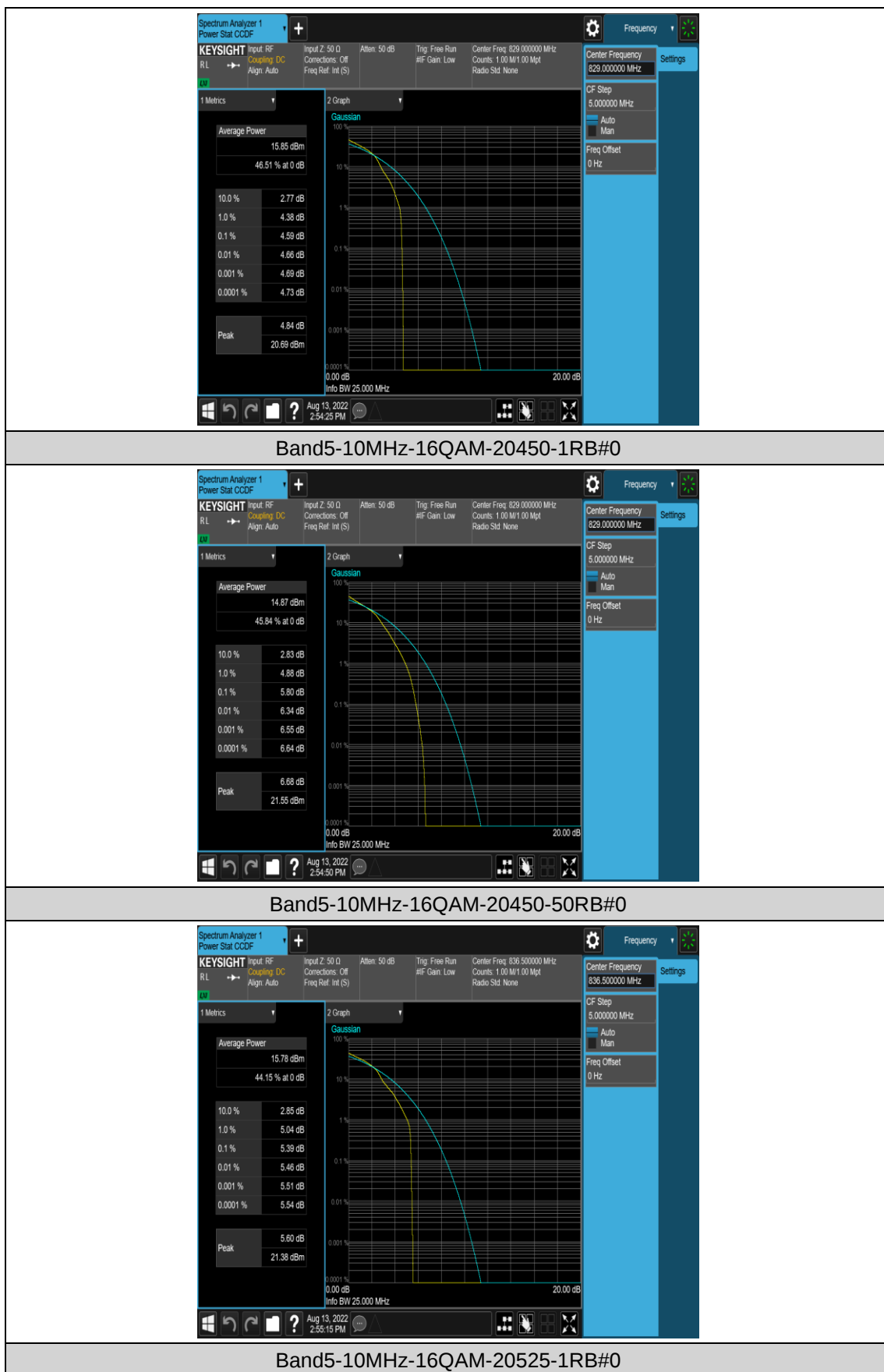


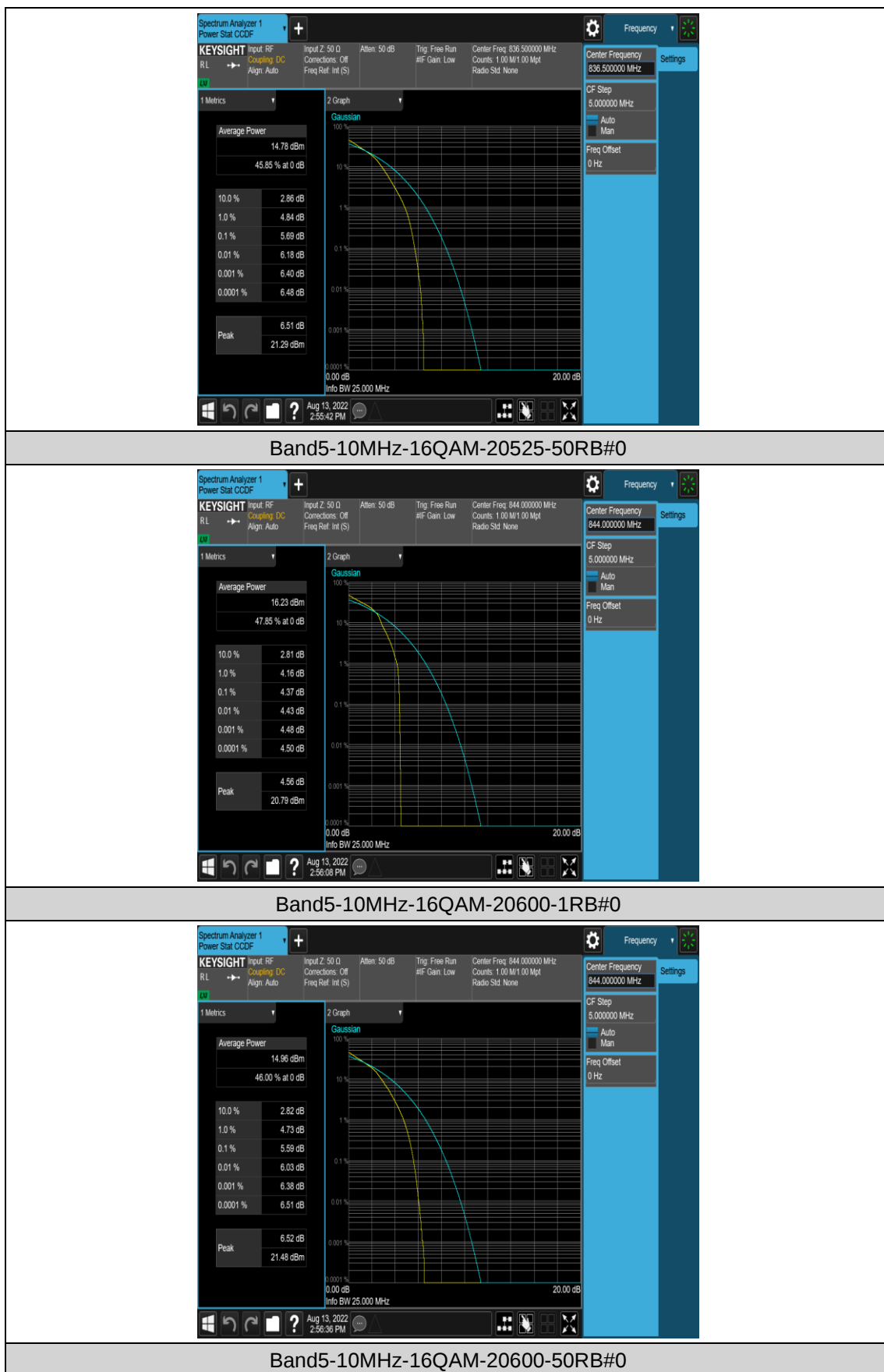
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Band5-10MHz-QPSK-20525-1RB#0





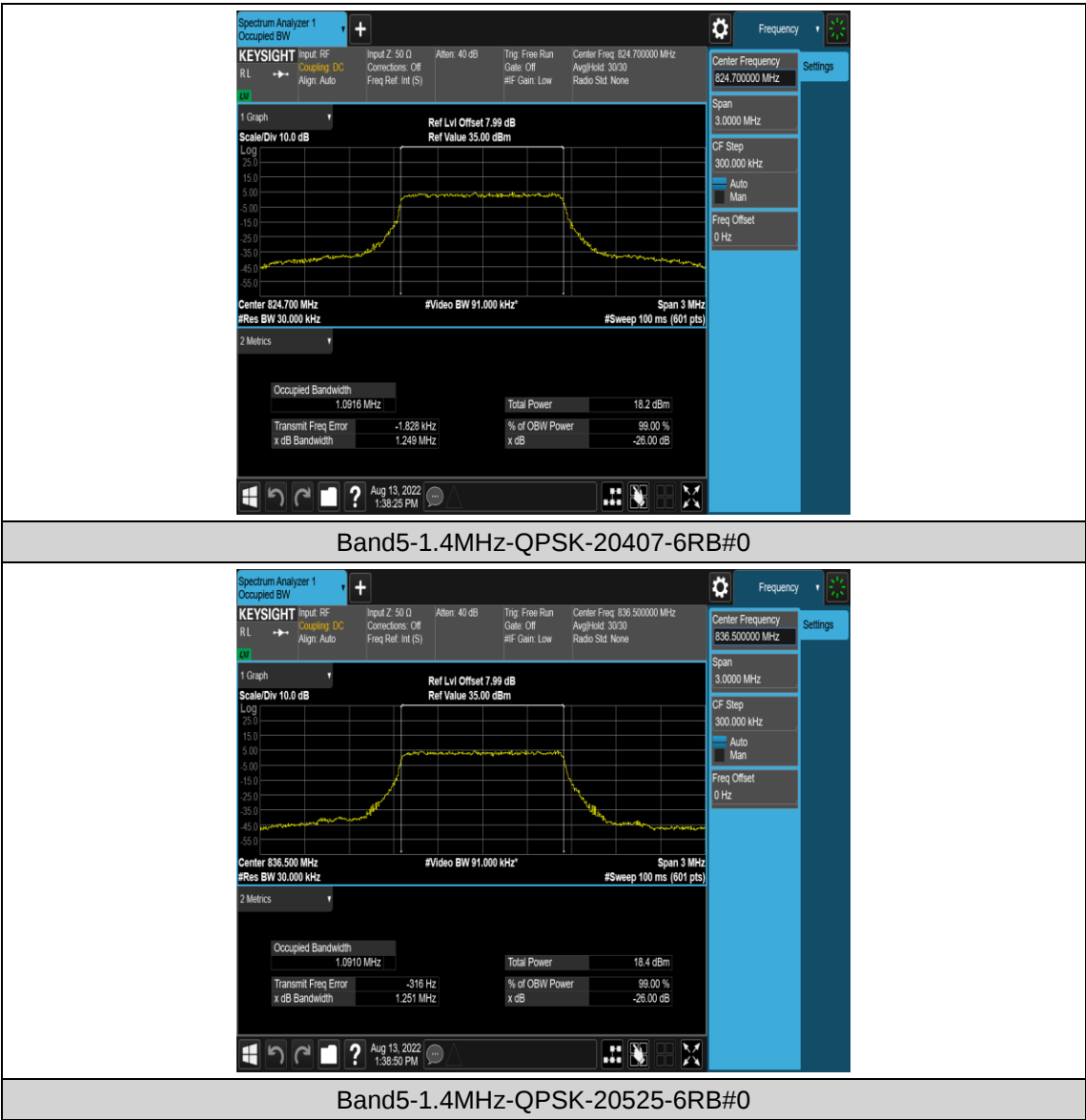


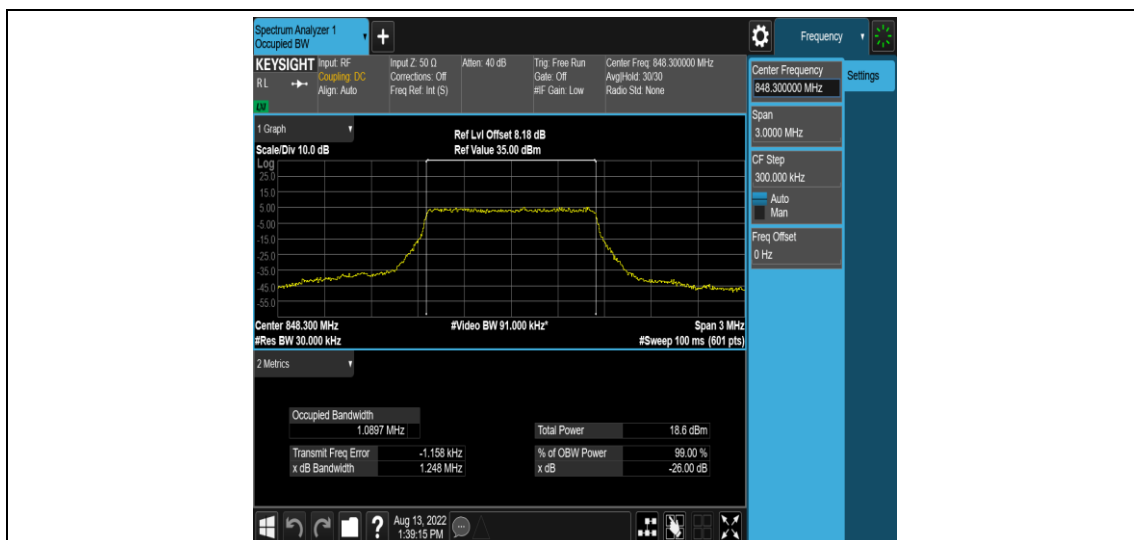
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

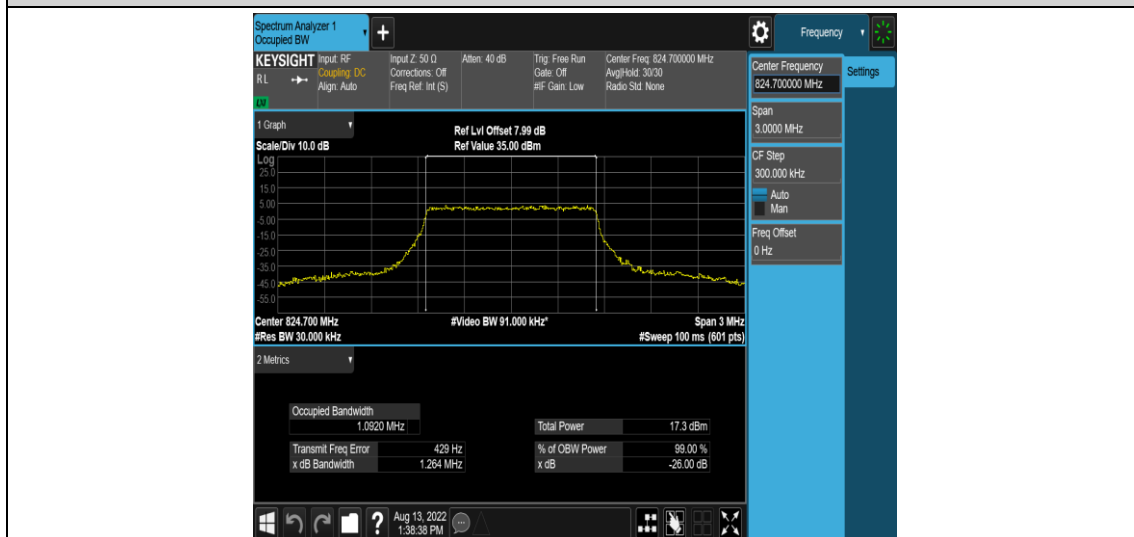
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0916	1.249	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0910	1.251	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0897	1.248	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0920	1.264	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0907	1.258	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0914	1.255	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6962	2.937	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6920	2.912	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6970	2.919	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6890	2.912	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6948	2.882	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6892	2.916	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4986	4.915	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4947	4.909	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4938	4.888	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5071	4.887	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4985	4.875	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4942	4.889	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9677	9.564	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9589	9.515	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9747	9.578	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9686	9.532	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9457	9.540	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9740	9.556	PASS

Test Graphs

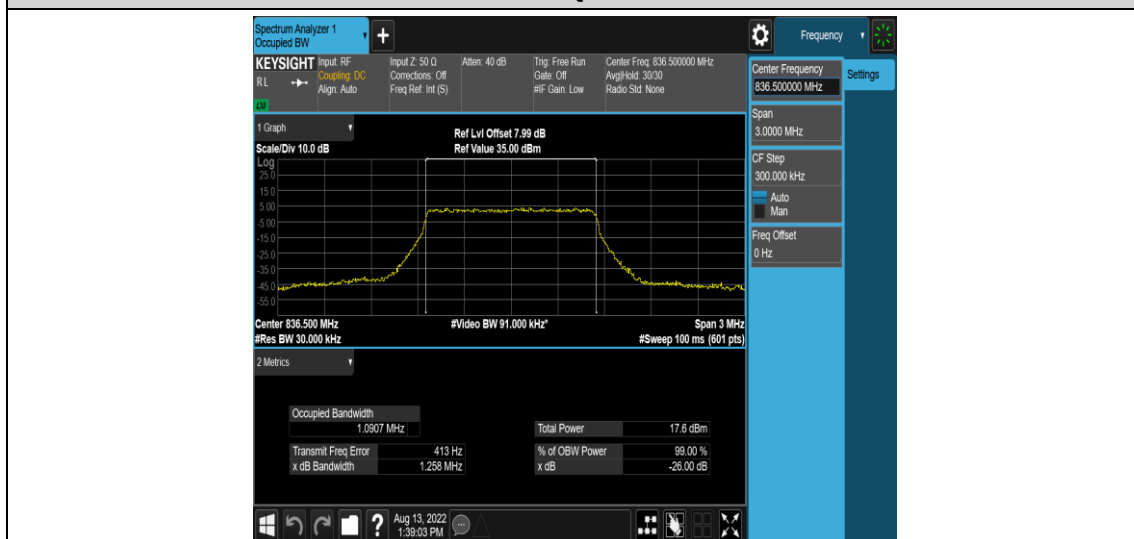




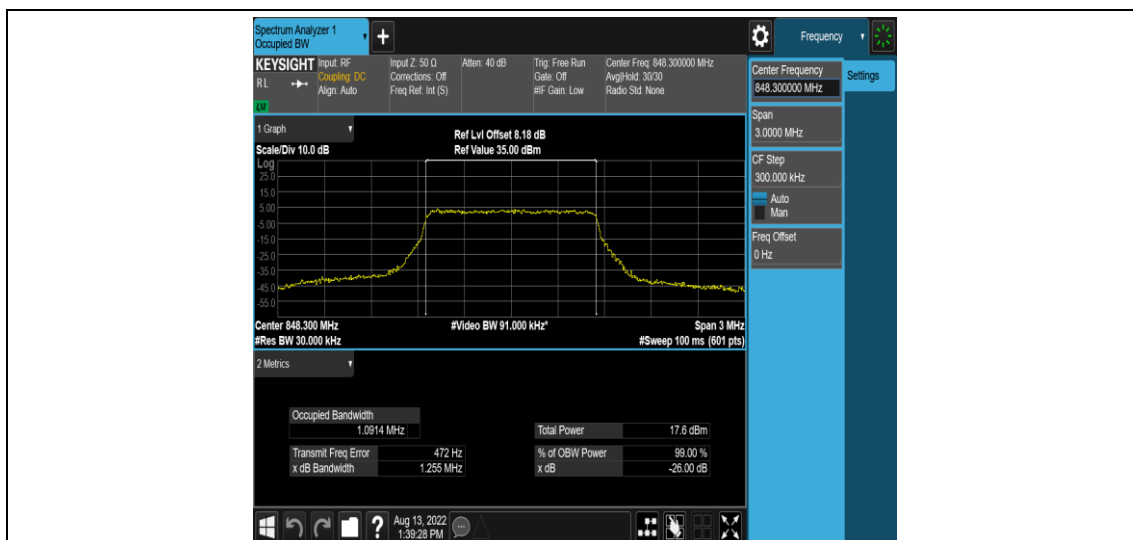
Band5-1.4MHz-QPSK-20643-6RB#0



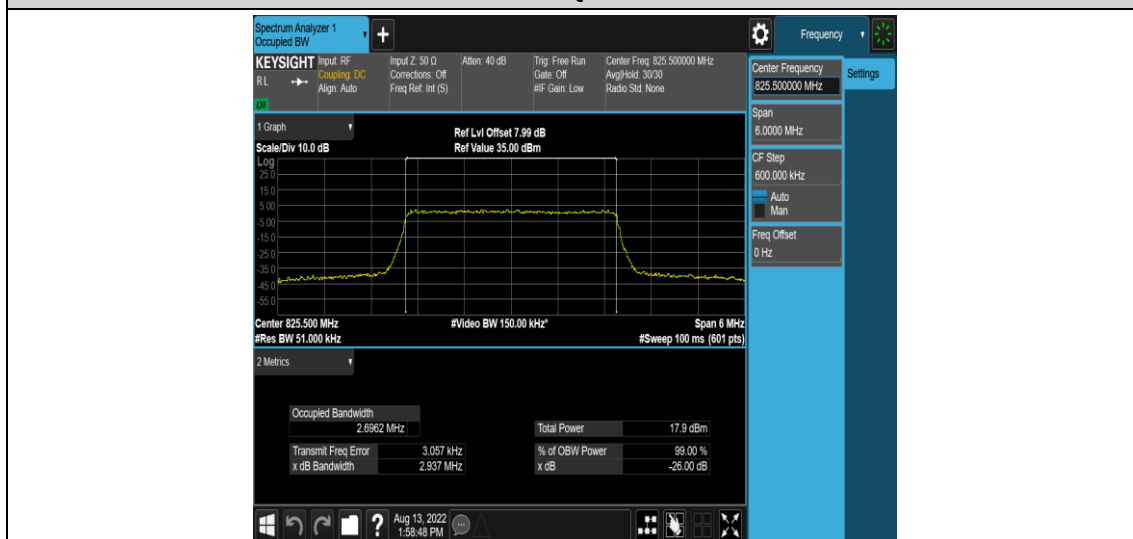
Band5-1.4MHz-16QAM-20407-6RB#0



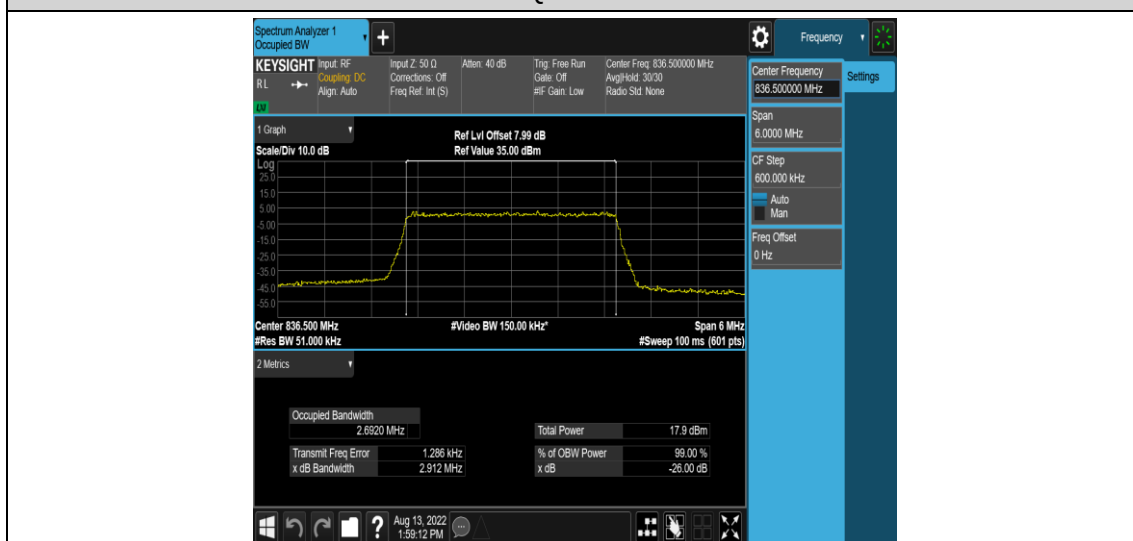
Band5-1.4MHz-16QAM-20525-6RB#0



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



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



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

