

Appendix for Band 12

Product Name: Smart Phone

Model No: F92e 5G

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.78	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.72	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.72	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.78	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.76	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.75	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.32	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.20	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.18	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.34	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.33	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.52	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.52	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.37	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.22	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.58	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.58	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.41	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.66	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.92	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.86	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.87	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.83	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.79	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.99	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.44	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.42	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.39	PASS

Band12	1.4MHz	16QAM	23095	3RB#0	22.36	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.38	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.30	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.35	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.39	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.23	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.39	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.43	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.50	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.57	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.84	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.80	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.72	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.94	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.94	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.93	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.91	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.38	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.24	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.17	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.48	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.49	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.43	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.44	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.19	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.28	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.37	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.52	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.53	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.58	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.54	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.12	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.04	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.97	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.99	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.98	PASS

Band12	3MHz	16QAM	23025	8RB#7	21.94	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.96	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.50	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.36	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.27	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.47	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.47	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.38	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.37	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.24	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.32	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.45	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.49	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.51	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.58	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.43	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.98	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.88	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.72	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.91	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.90	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.88	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.86	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.59	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.27	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.15	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.62	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.63	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.44	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.47	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.28	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.14	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.34	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.46	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.47	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.41	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.43	PASS

Band12	5MHz	16QAM	23035	1RB#0	23.04	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.88	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.80	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.87	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.90	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.79	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.86	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.48	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.03	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.11	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.59	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.61	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.37	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.51	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.31	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.04	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.31	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.49	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.46	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.43	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.37	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.01	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.67	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.25	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.81	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.81	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.45	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.69	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.62	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.06	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.94	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.62	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.63	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.38	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.53	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.14	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.93	PASS

Band12	10MHz	QPSK	23130	1RB#49	23.24	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.35	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.35	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.28	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.36	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.16	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.82	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.13	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.79	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.79	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.44	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.64	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.36	PASS
Band12	10MHz	16QAM	23095	1RB#24	21.95	PASS
Band12	10MHz	16QAM	23095	1RB#49	21.79	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.65	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.64	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.41	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.52	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.87	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.78	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.96	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.37	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.38	PASS
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Band12	10MHz	16QAM	23130	50RB#0	21.33	PASS

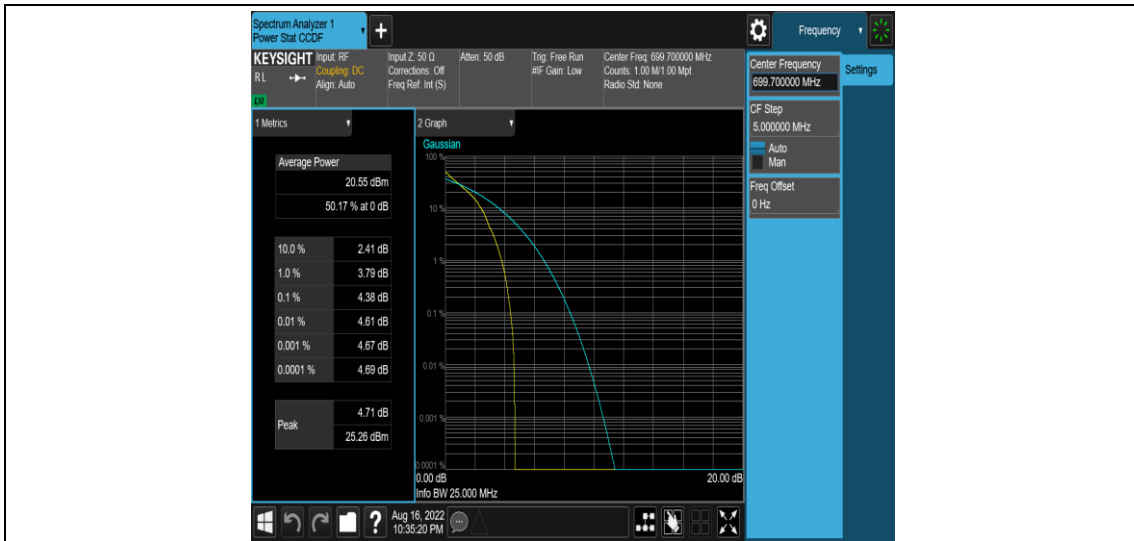
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

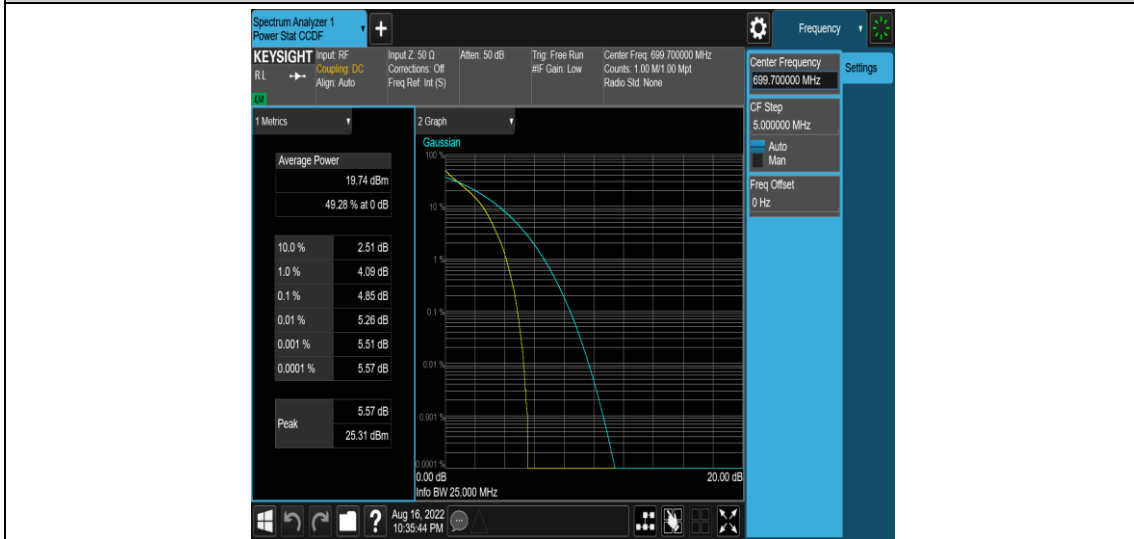
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.38	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.85	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.60	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.06	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.48	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.79	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.39	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.69	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.39	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.92	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.25	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.60	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.33	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.97	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.51	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.08	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.61	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.98	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.13	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.86	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.25	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.90	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.42	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.85	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.40	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.97	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.37	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.05	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.76	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.06	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.08	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.77	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.15	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.34	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.83	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	4.41	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.04	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.44	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.05	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.57	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.07	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.25	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.87	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.20	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.90	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	5.93	13	PASS

Test Graphs



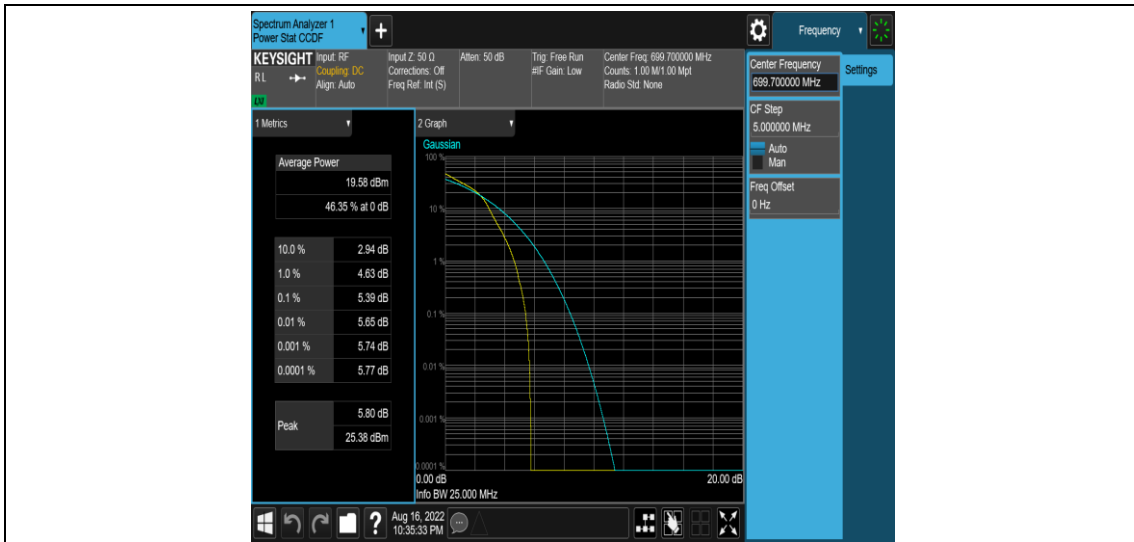
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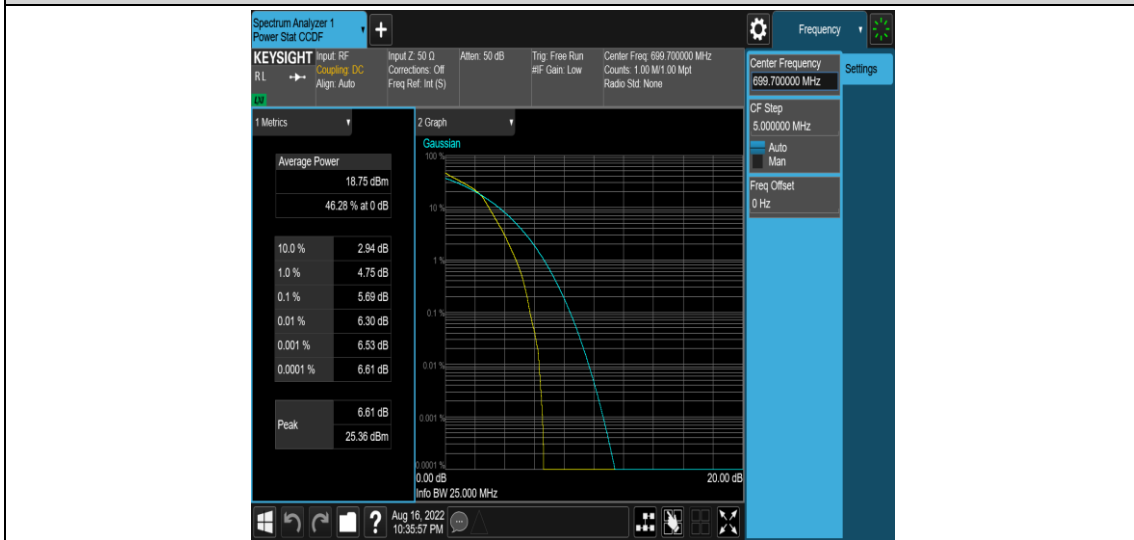
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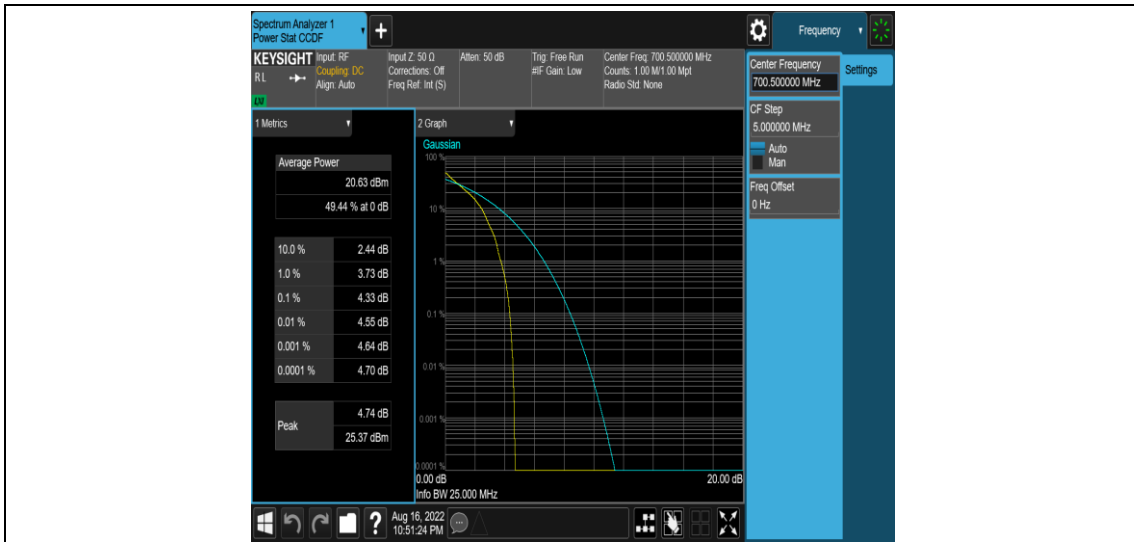
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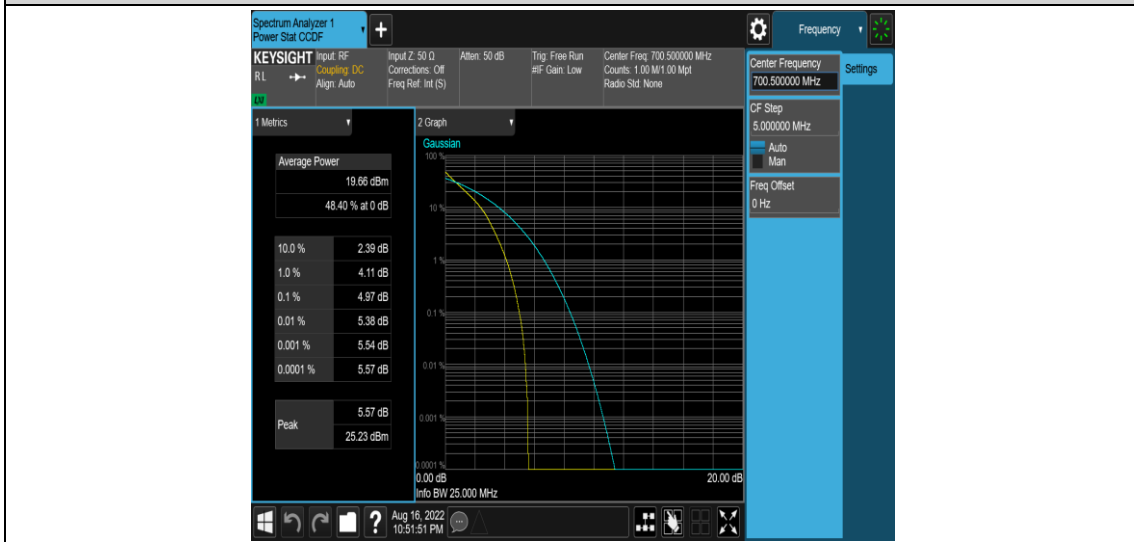
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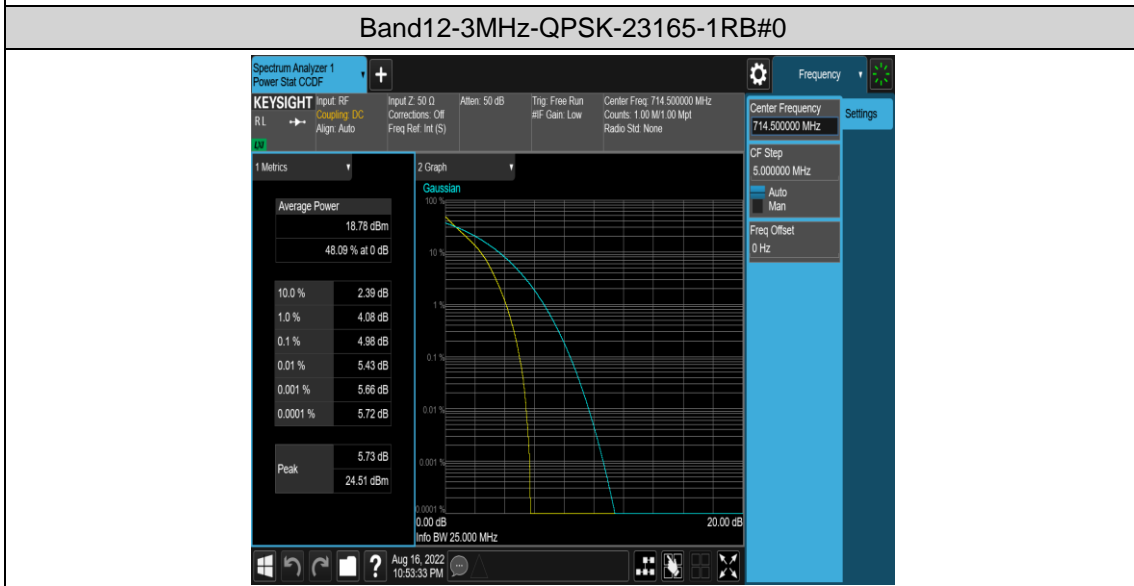
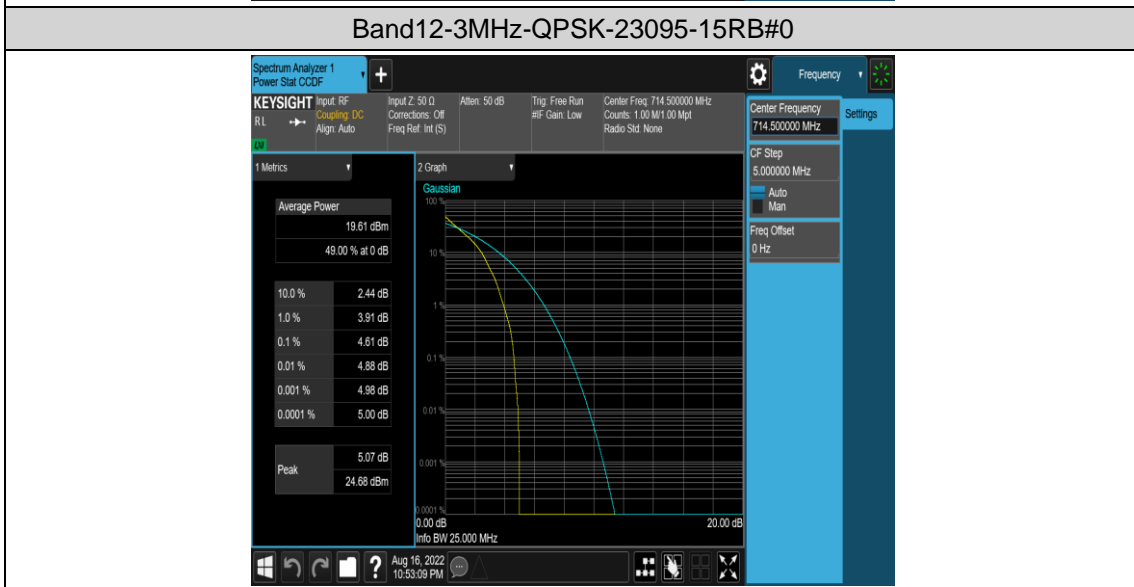
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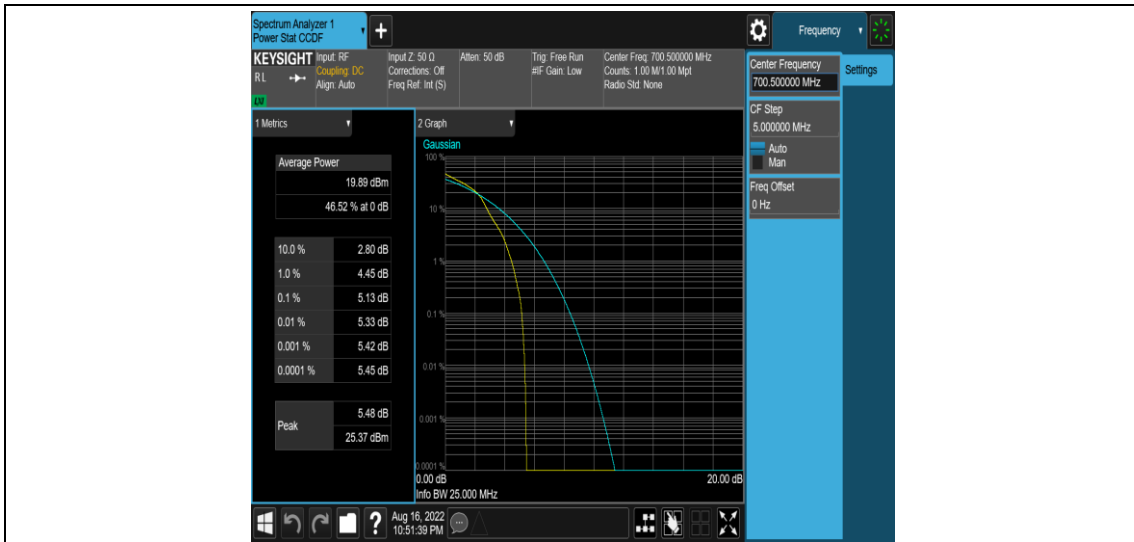


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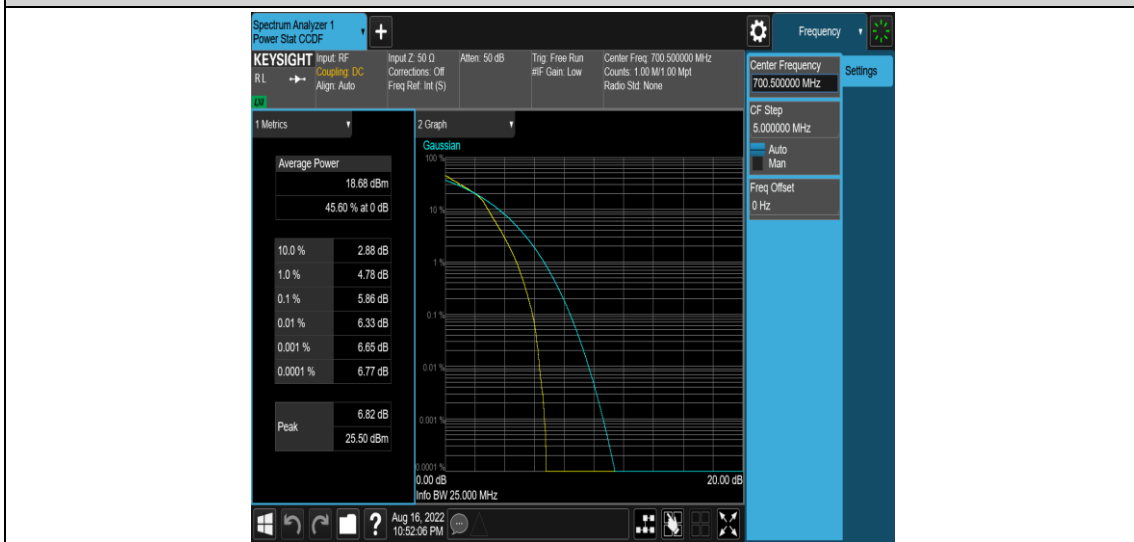


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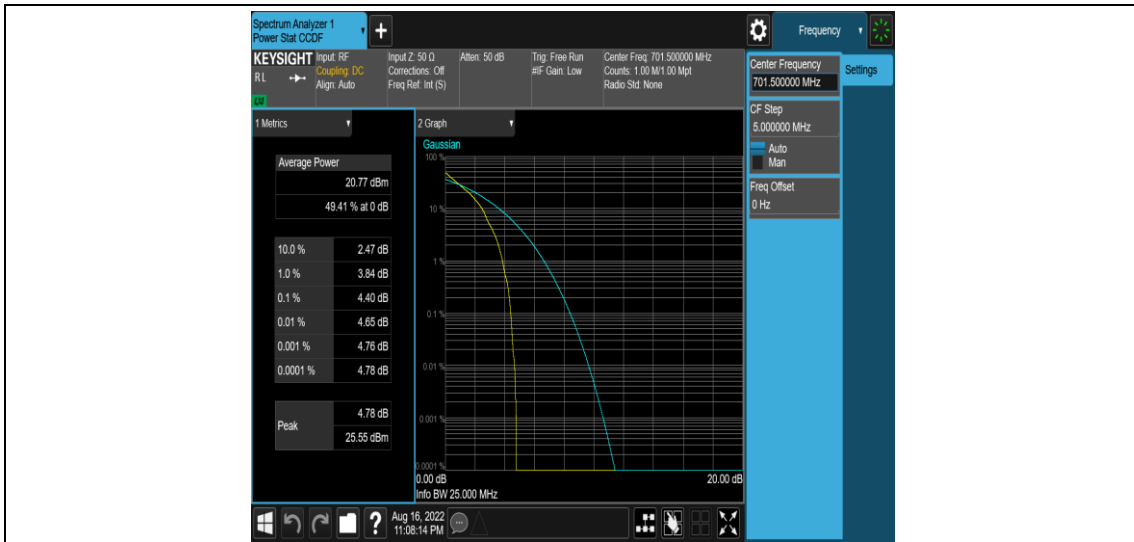
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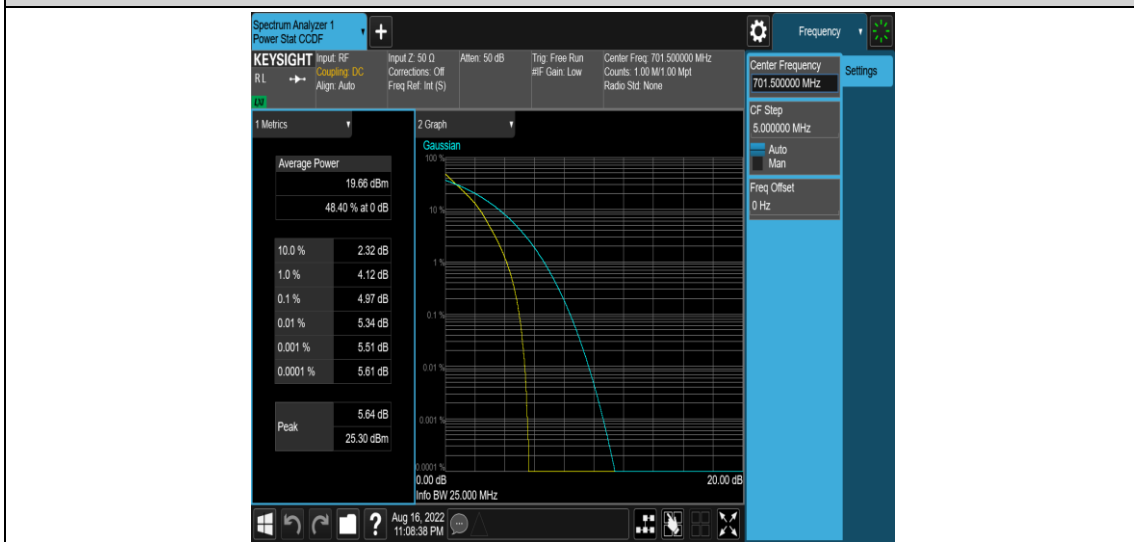
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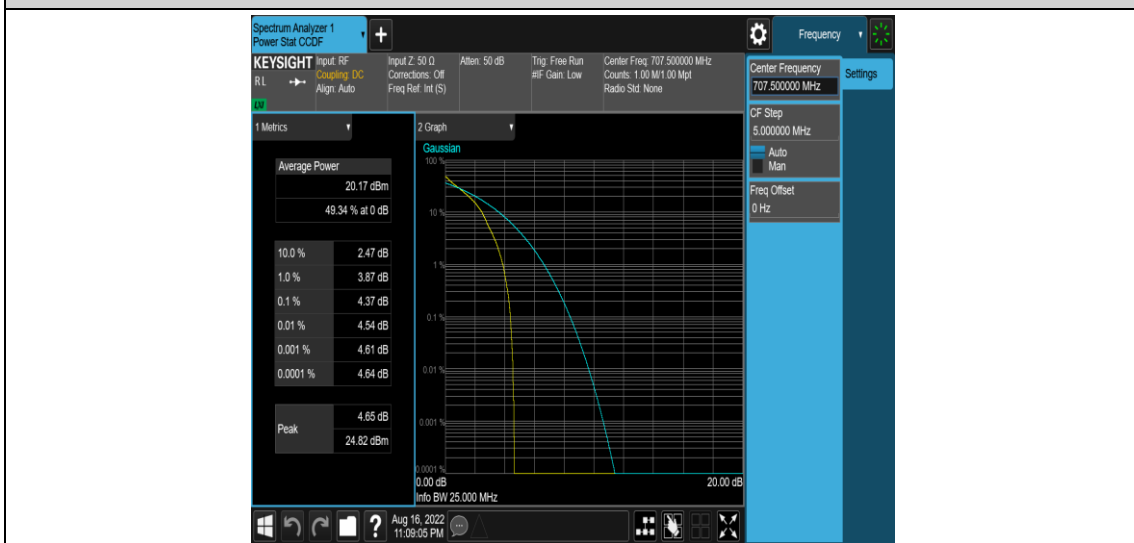
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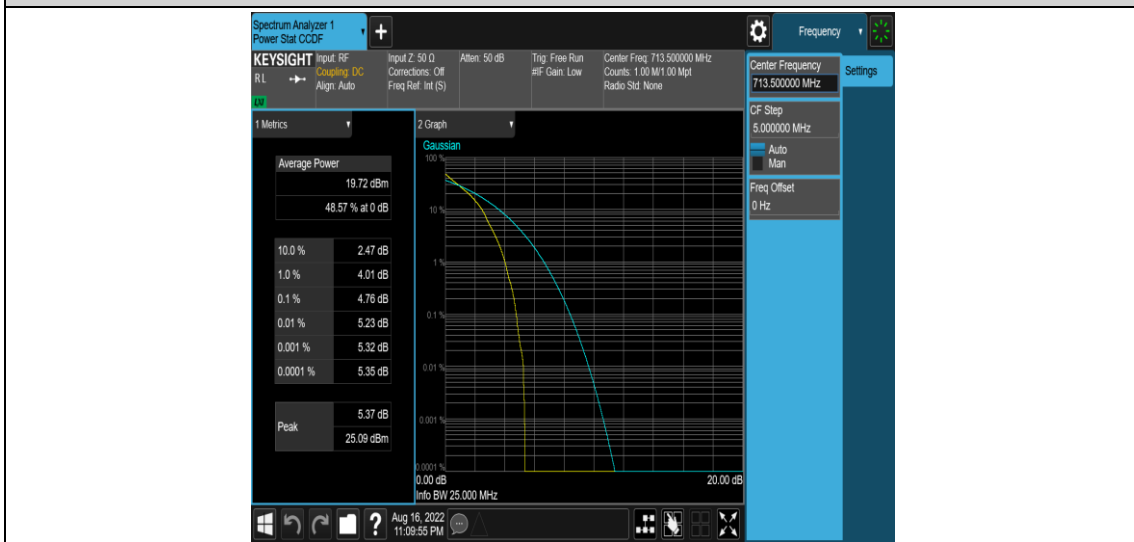
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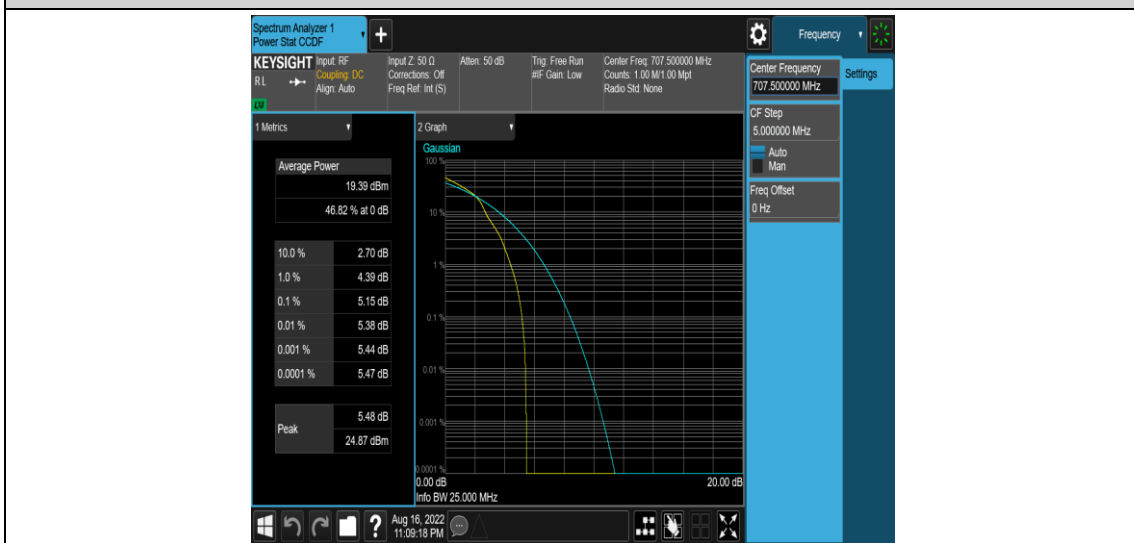
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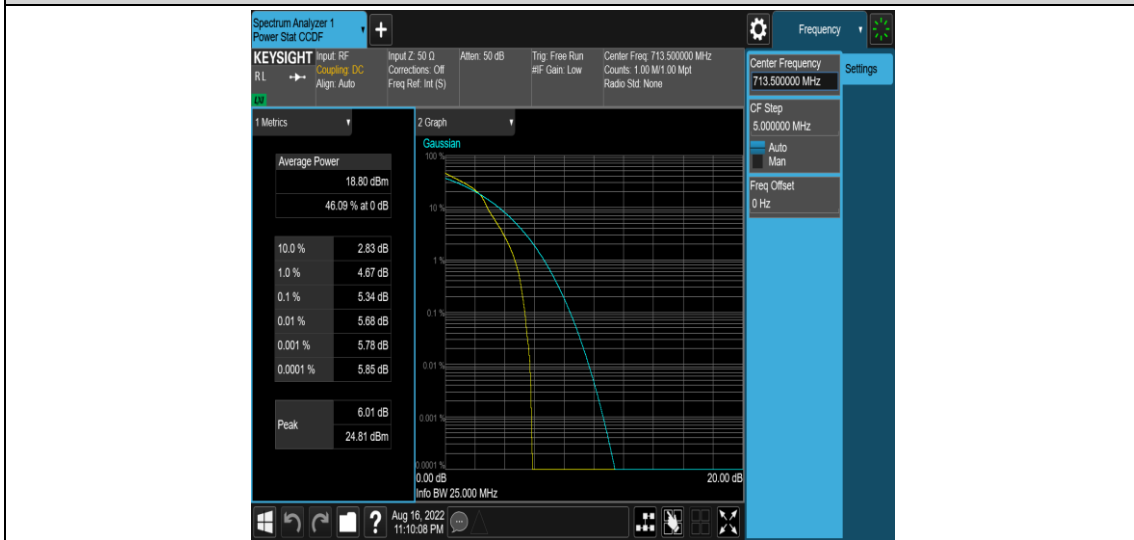
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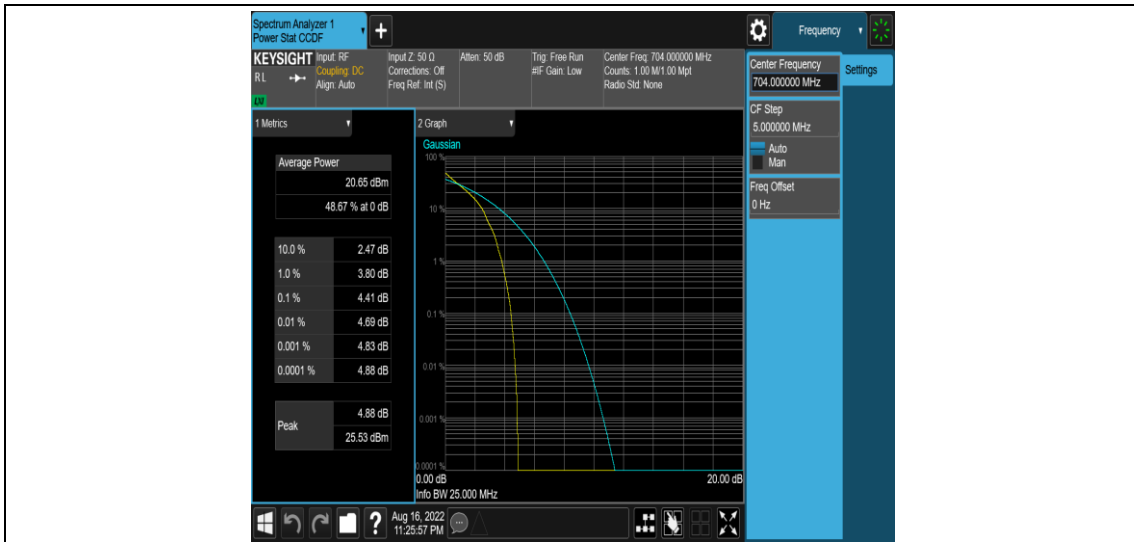
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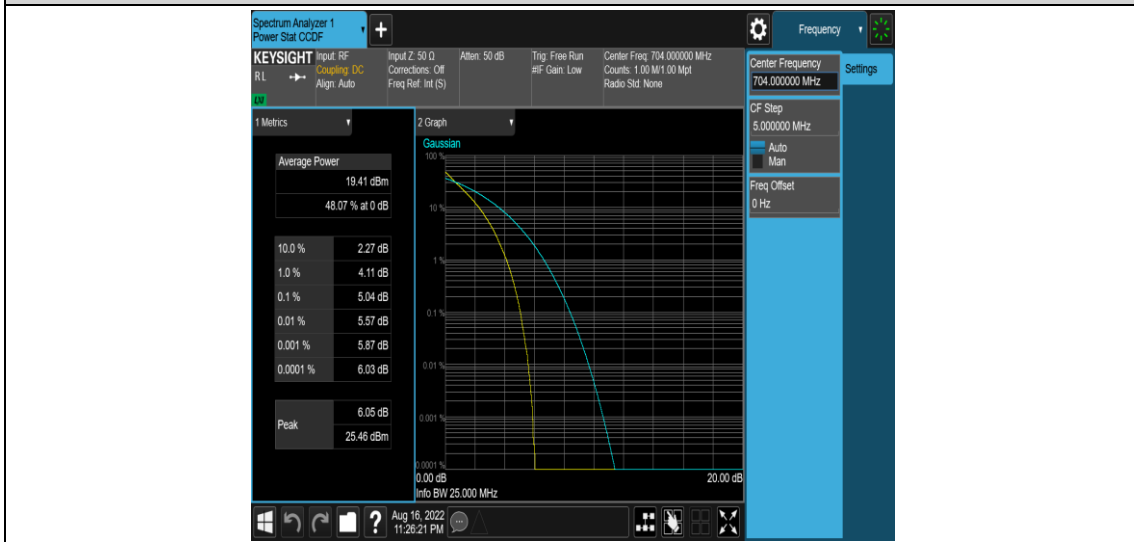
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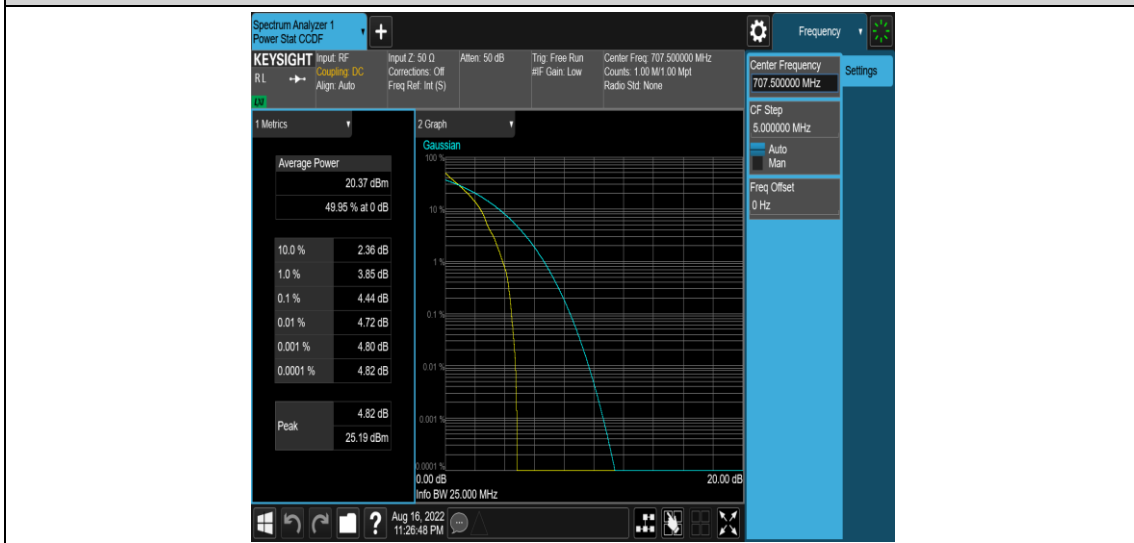
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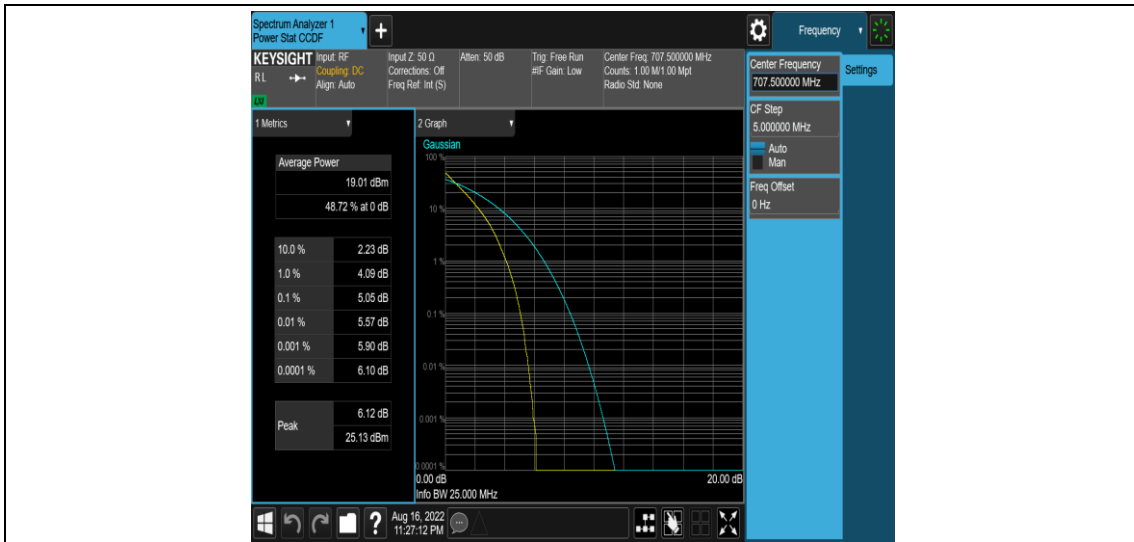
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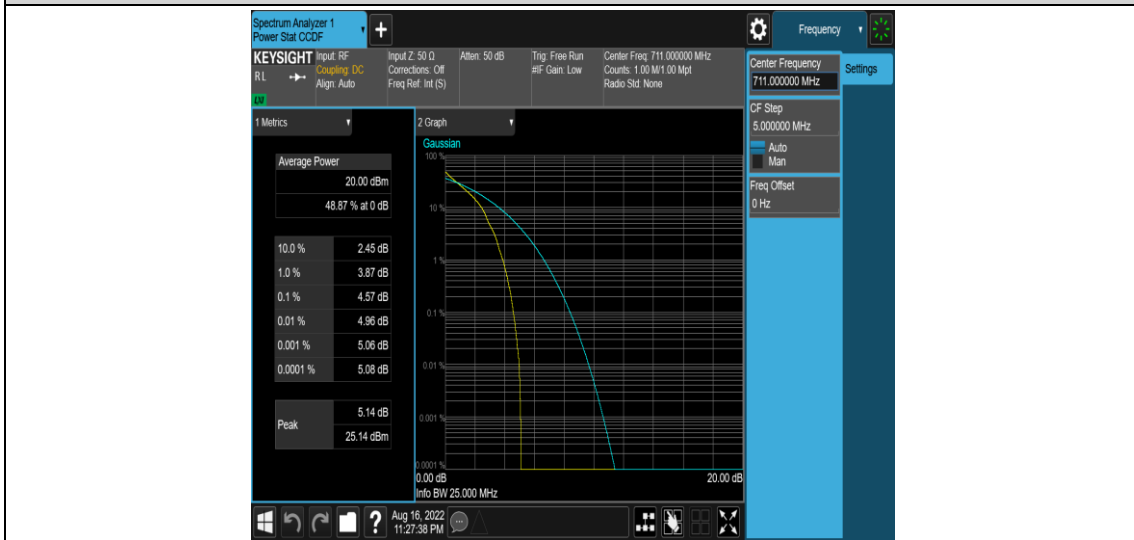
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Band12-10MHz-QPSK-23095-1RB#0



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



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



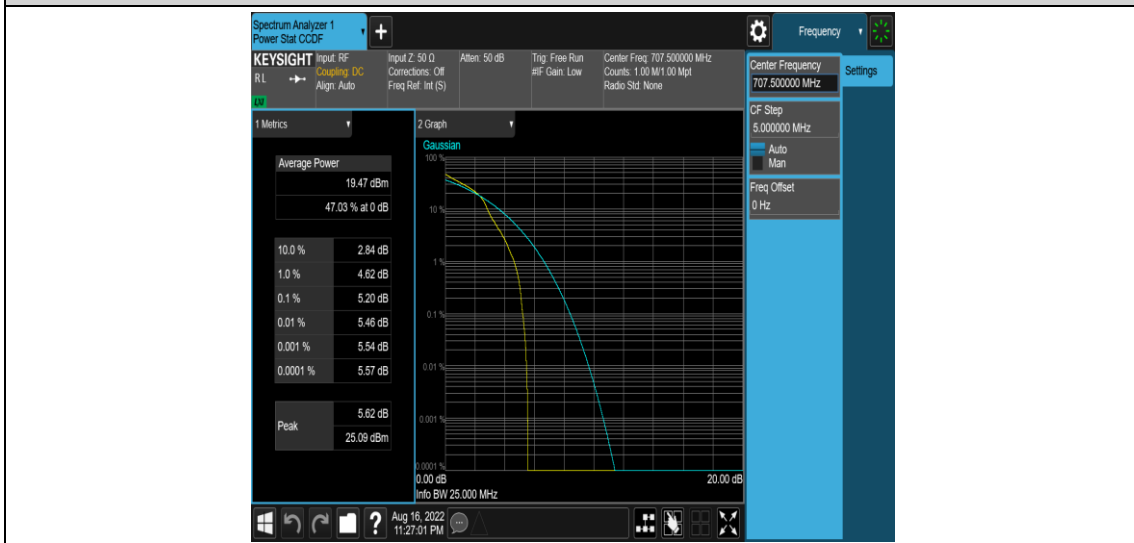
Band12-10MHz-QPSK-23130-50RB#0



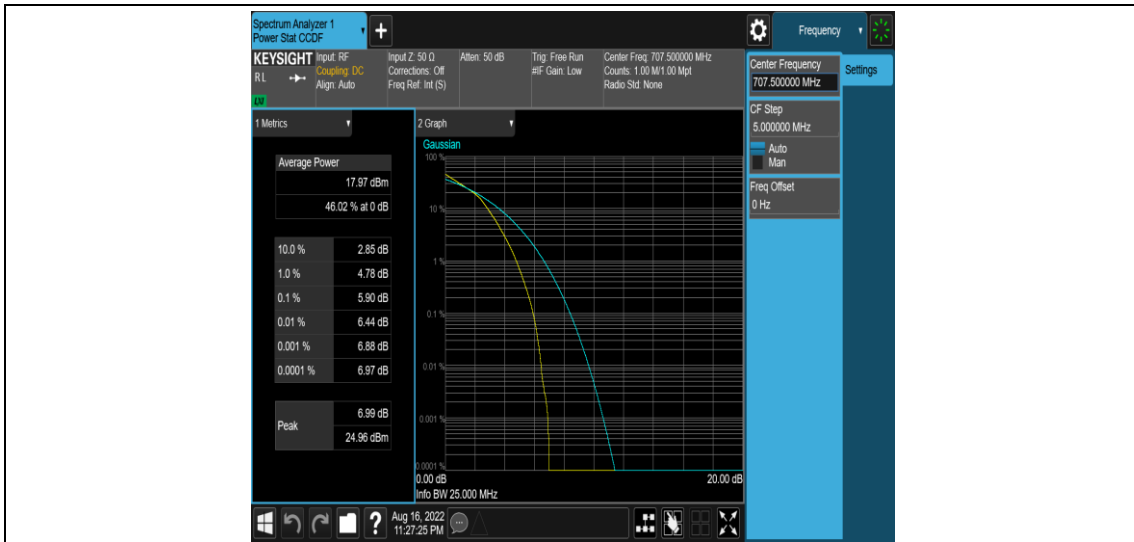
Band12-10MHz-16QAM-23060-1RB#0



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



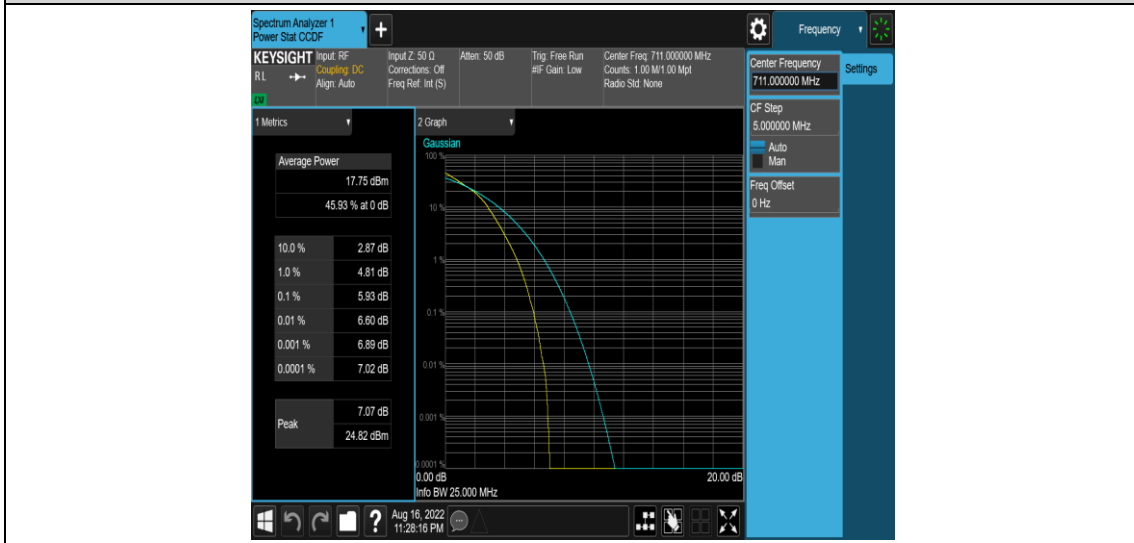
Band12-10MHz-16QAM-23095-1RB#0



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



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



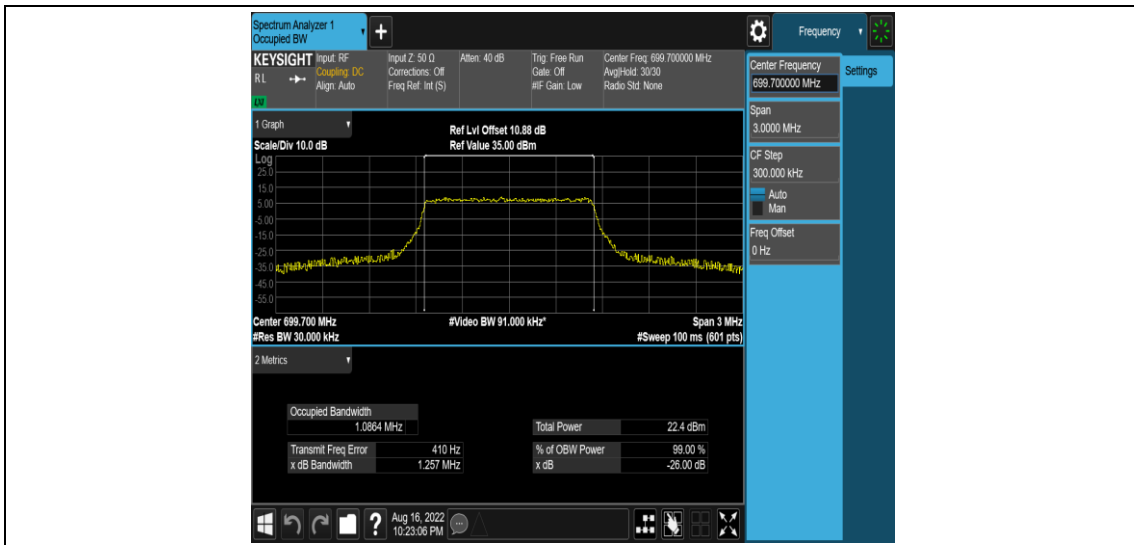
Band12-10MHz-16QAM-23130-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

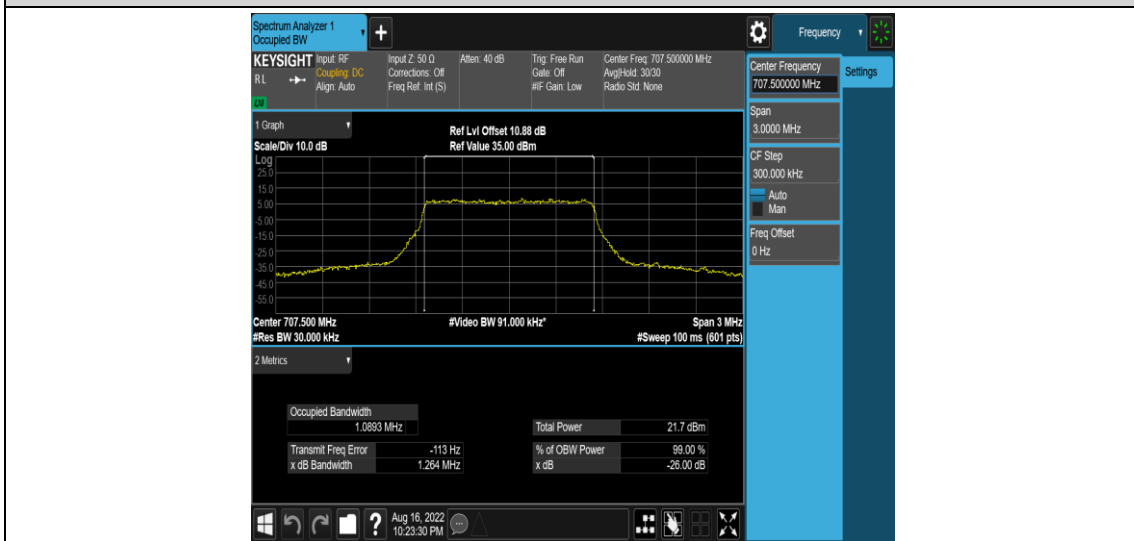
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0864	1.257	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0893	1.264	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0884	1.259	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0884	1.260	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0869	1.259	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0899	1.268	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6885	2.864	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6920	2.872	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6908	2.857	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6908	2.853	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6867	2.873	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6874	2.870	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4921	4.839	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4982	4.850	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4956	4.831	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4992	4.836	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4951	4.844	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5052	4.803	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9680	9.527	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9601	9.508	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9528	9.501	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9587	9.516	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9632	9.494	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9444	9.509	PASS

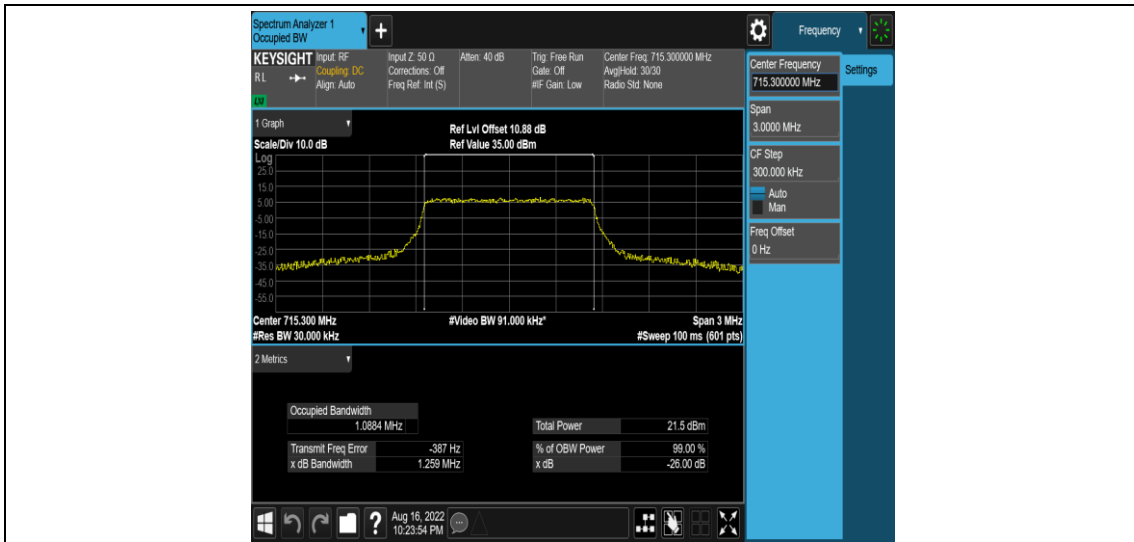
Test Graphs



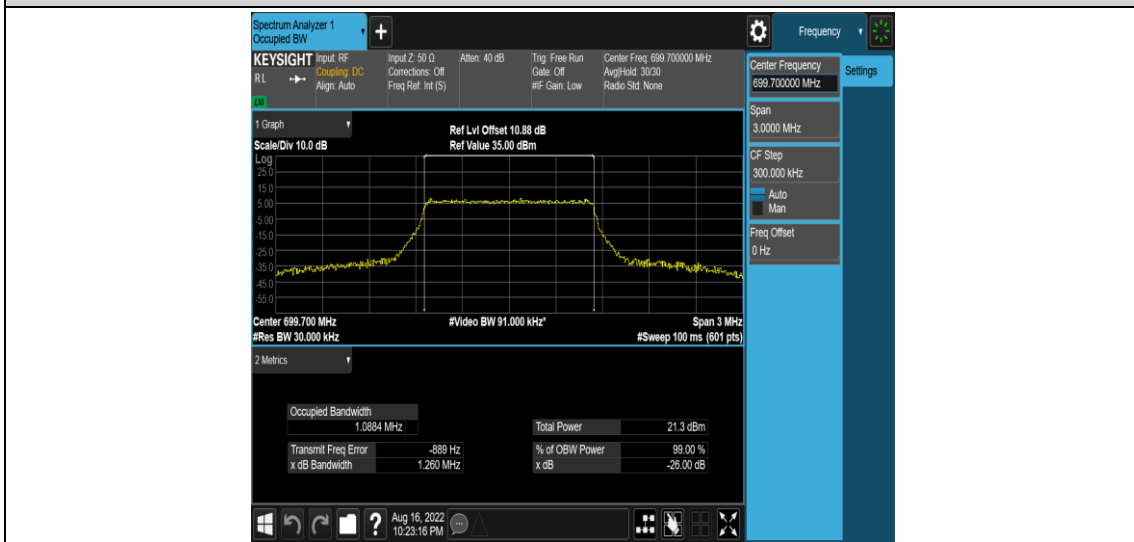
Band12-1.4MHz-QPSK-23017-6RB#0



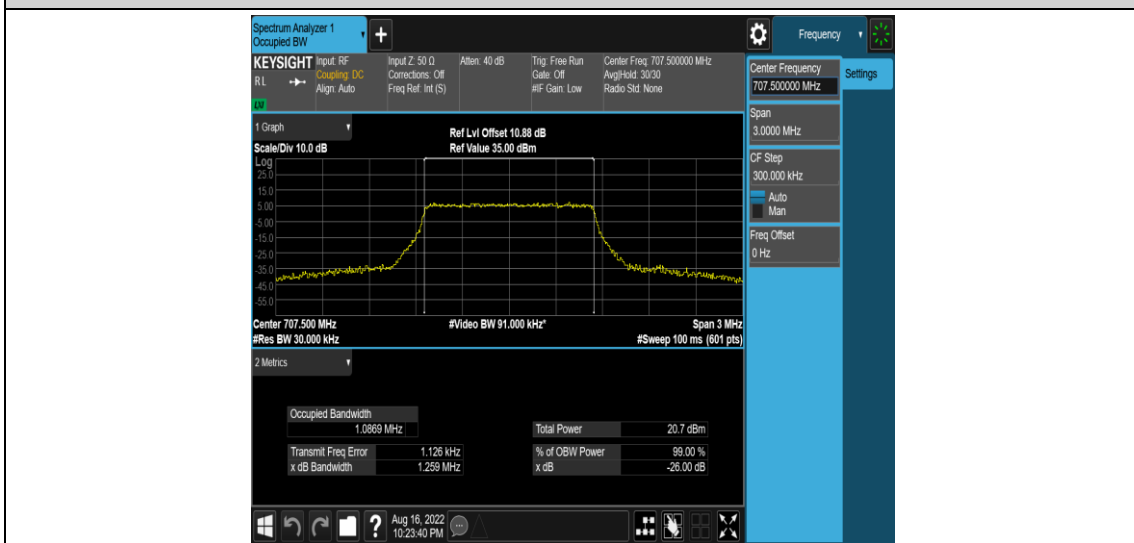
Band12-1.4MHz-QPSK-23095-6RB#0



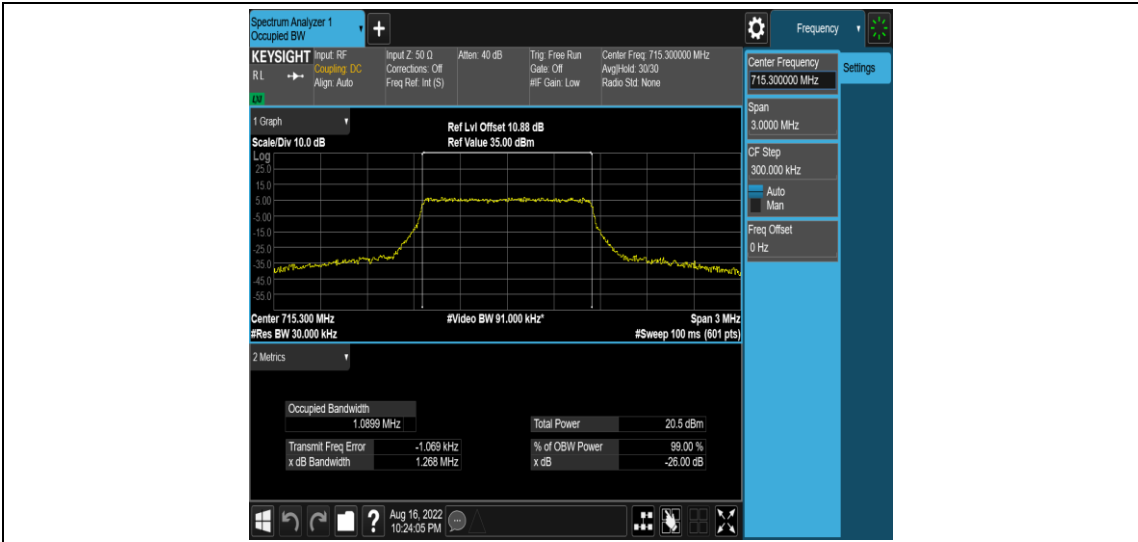
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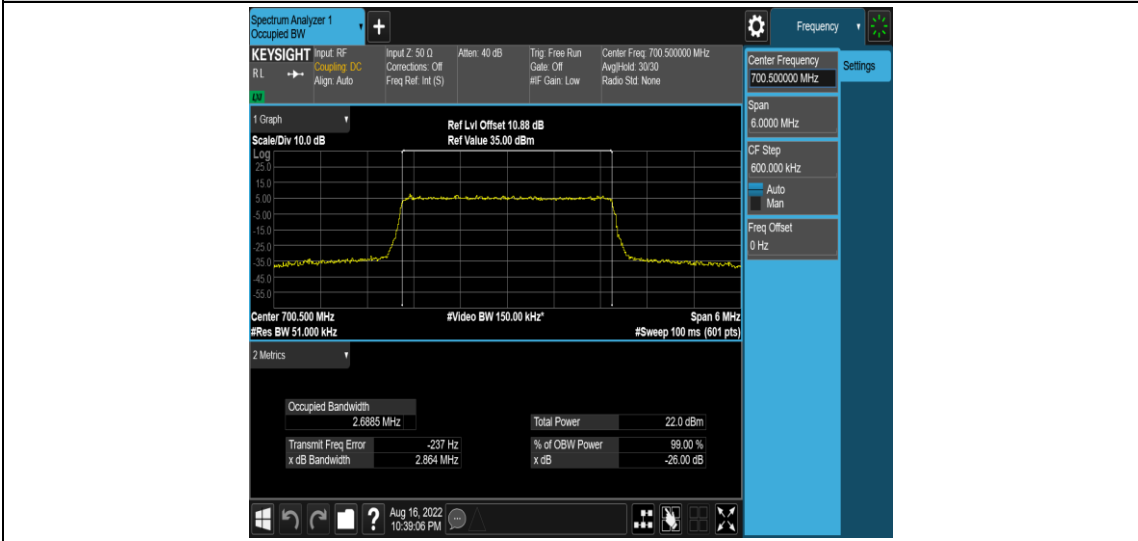
Band12-1.4MHz-16QAM-23017-6RB#0



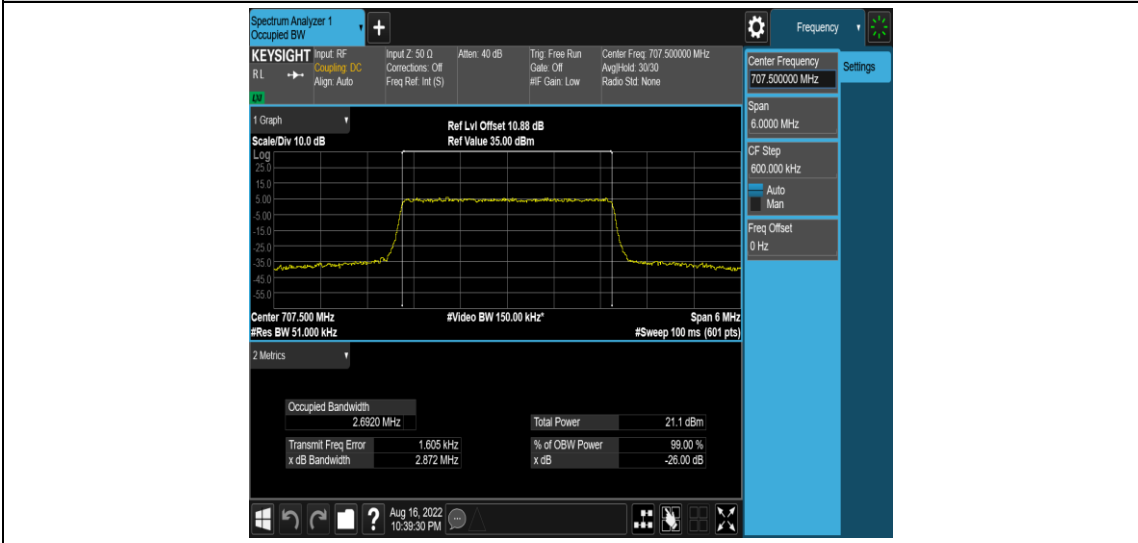
Band12-1.4MHz-16QAM-23095-6RB#0



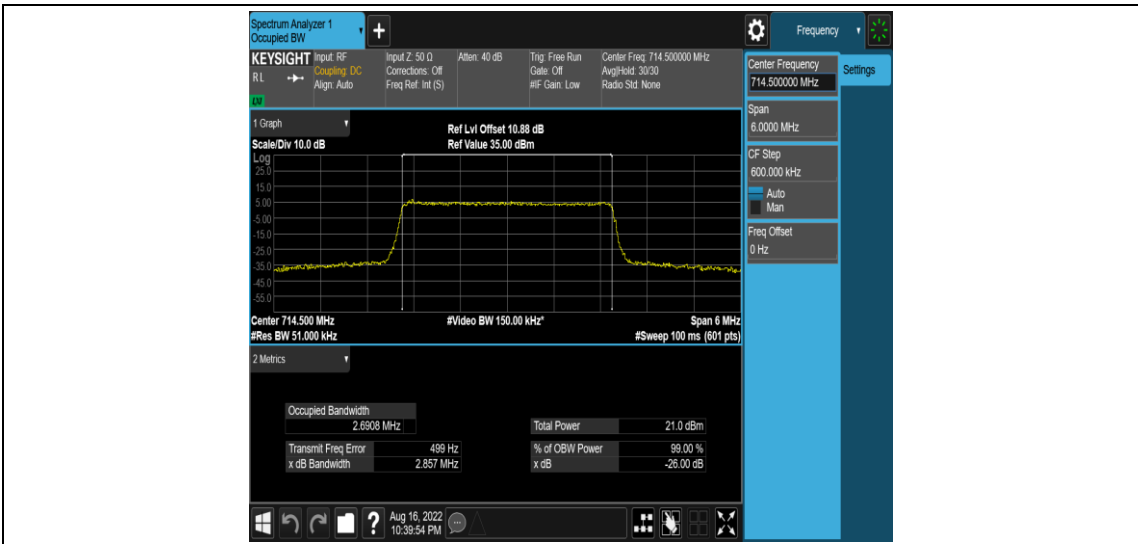
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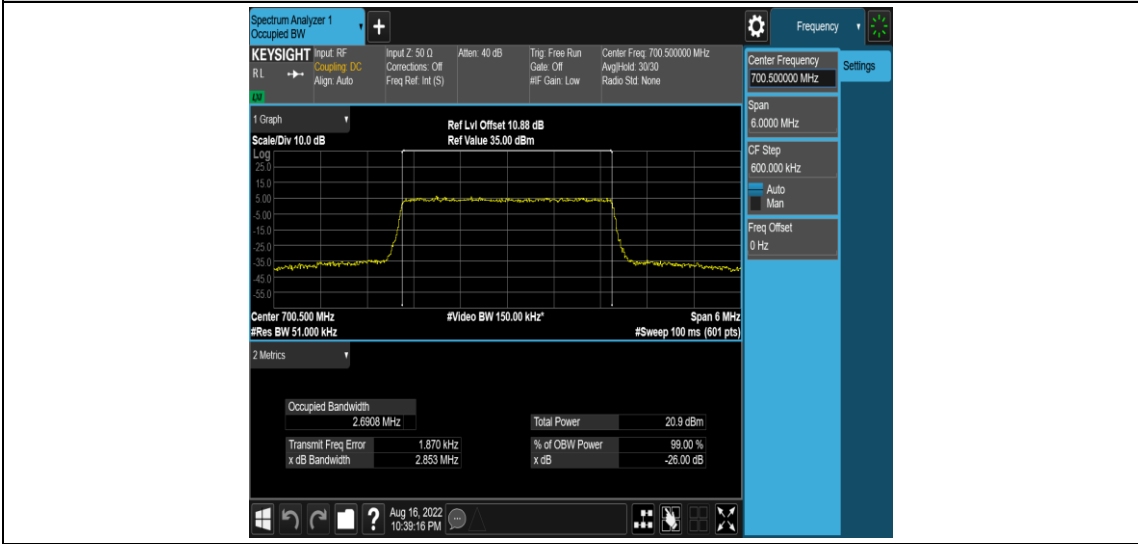
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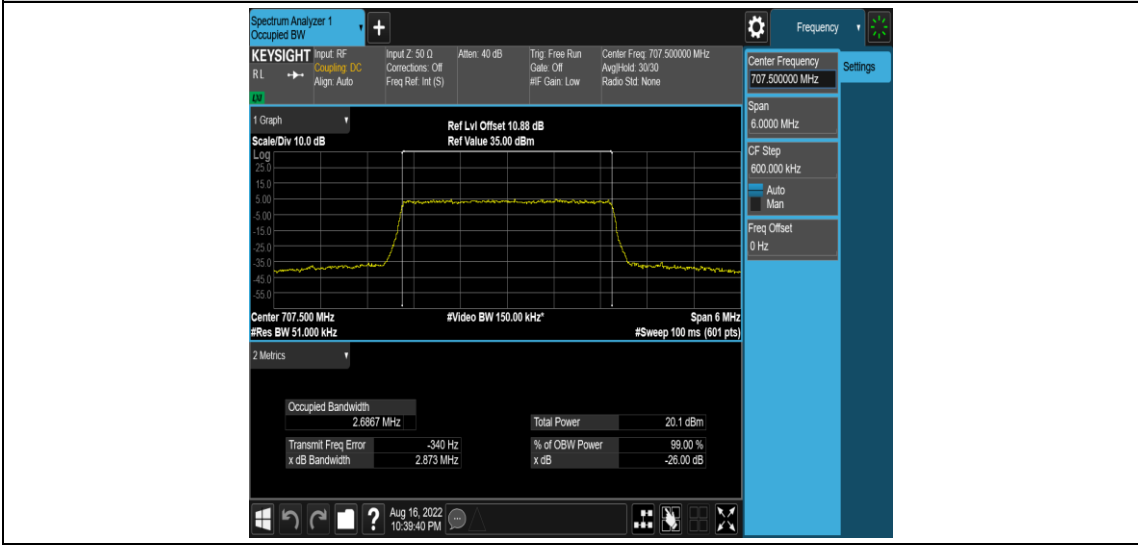
Band12-3MHz-QPSK-23095-15RB#0



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



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



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