

Appendix for Band 12

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.44	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.56	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.50	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.54	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.55	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.51	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.63	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.59	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.48	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.49	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.57	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.57	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.56	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.42	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.45	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.38	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.32	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.45	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	23.63	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.56	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.44	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.02	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.99	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.96	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.29	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.28	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.26	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.61	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.06	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	21.86	PASS

Band12	1.4MHz	16QAM	23095	1RB#5	21.85	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.08	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.08	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.01	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.46	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.85	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.96	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.06	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.04	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.43	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.50	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.54	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.54	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.53	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.53	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.54	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.54	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.46	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.52	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.49	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.36	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.57	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.48	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.51	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.63	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.62	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.57	PASS
Band12	3MHz	QPSK	23165	8RB#0	22.36	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.36	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.52	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.27	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.08	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.05	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.89	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.55	PASS

Band12	3MHz	16QAM	23025	8RB#4	21.55	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.68	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.28	PASS
Band12	3MHz	16QAM	23095	1RB#0	22.21	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.98	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.00	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.62	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.58	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.48	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.51	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.28	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.14	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.25	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.53	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.37	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.49	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.15	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.65	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.63	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.59	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.62	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.62	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.40	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.40	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.56	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.60	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.52	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.62	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.64	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.44	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.54	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.74	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.66	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.60	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.32	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.31	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.33	PASS

Band12	5MHz	QPSK	23155	25RB#0	22.51	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.21	PASS
Band12	5MHz	16QAM	23035	1RB#12	22.18	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.18	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.36	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.46	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.39	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.28	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.17	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.06	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.05	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.65	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.63	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.46	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.47	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.75	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.79	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.87	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.37	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.44	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.31	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.46	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.84	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.62	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.50	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.52	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.56	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.56	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.39	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.49	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.47	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.55	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.61	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	22.36	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.45	PASS

Band12	10MHz	QPSK	23130	1RB#24	23.35	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.38	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.56	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.56	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.41	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.31	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.04	PASS
Band12	10MHz	16QAM	23060	1RB#24	21.90	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.80	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.56	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.57	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.62	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.48	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.49	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.40	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.65	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.68	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.69	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.53	PASS
Band12	10MHz	16QAM	23130	1RB#0	22.12	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.82	PASS
Band12	10MHz	16QAM	23130	1RB#49	22.08	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.39	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.38	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.37	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.58	PASS

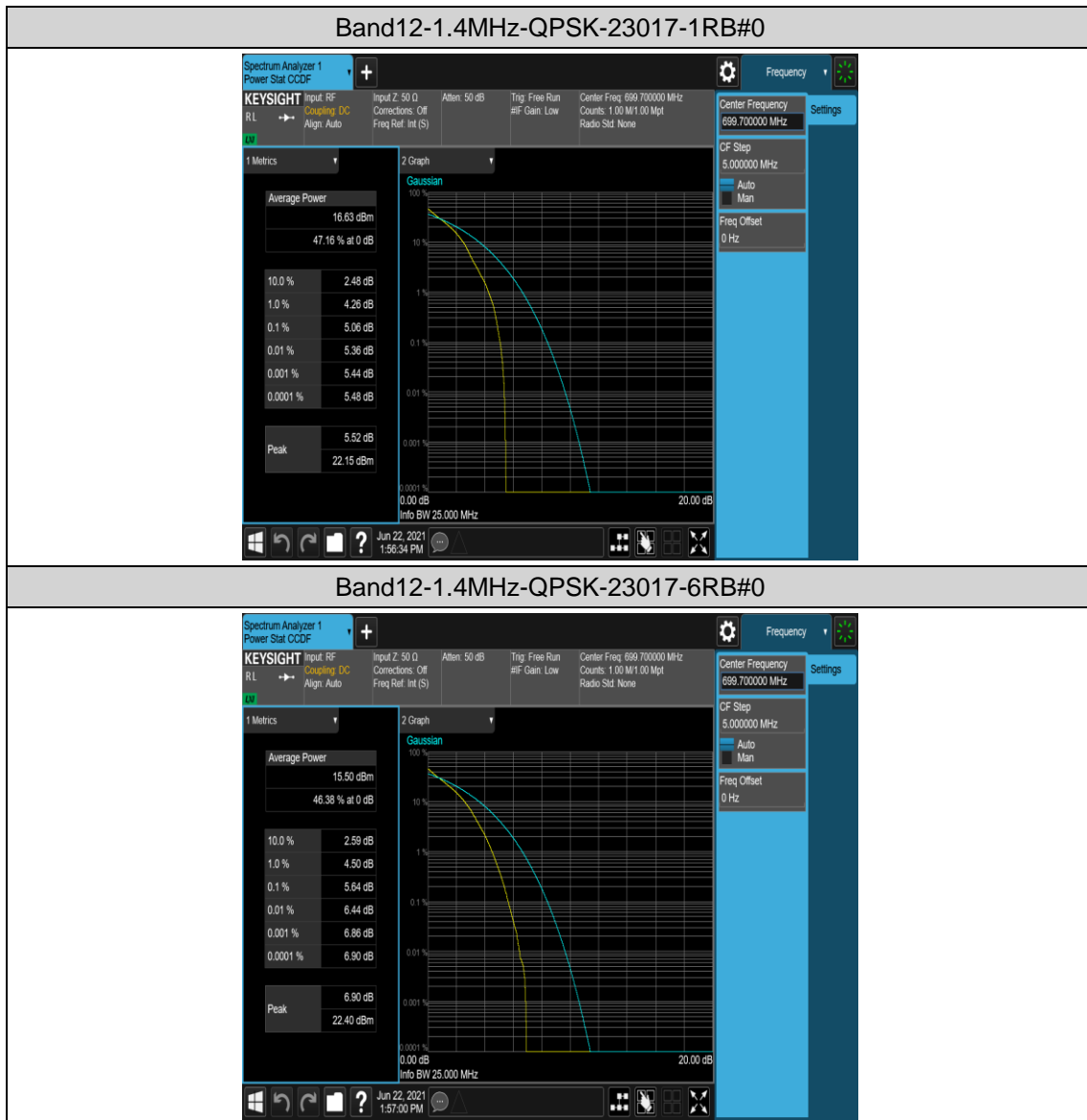
Appendix B: Peak-to-Average Ratio(CCDF)

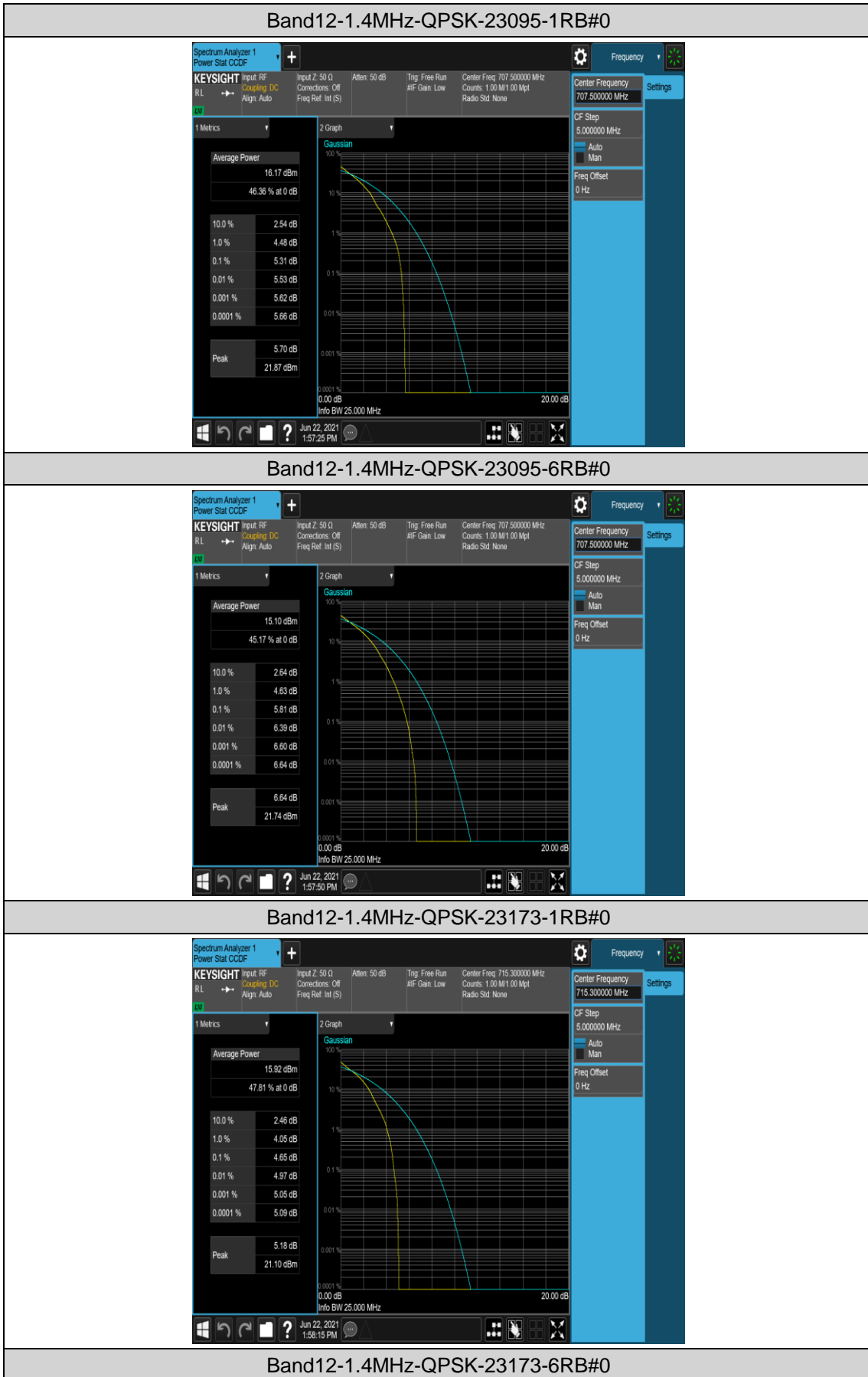
Test Result

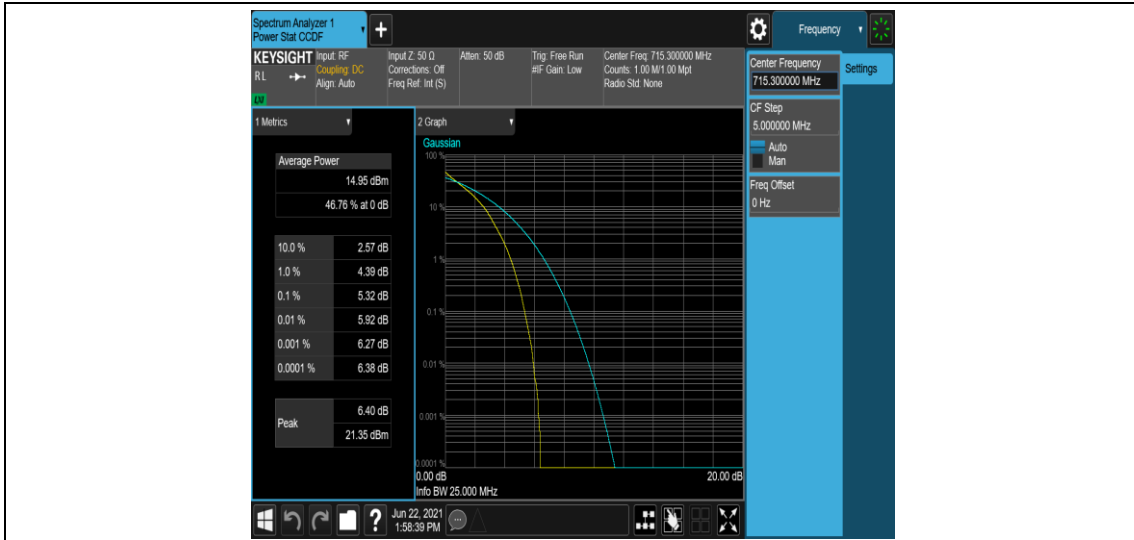
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.06	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.64	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.31	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.81	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.65	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.32	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.04	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.41	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.21	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.53	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.83	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.17	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.31	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.69	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.36	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.86	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.12	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.51	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.23	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.52	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.23	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.58	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.97	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.41	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.27	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.73	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.42	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.82	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.21	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.59	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.05	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.45	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.37	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.53	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.21	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.30	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	5.22	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.85	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.28	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.87	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.53	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.78	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.06	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.55	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.18	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.63	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.25	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.43	13	PASS

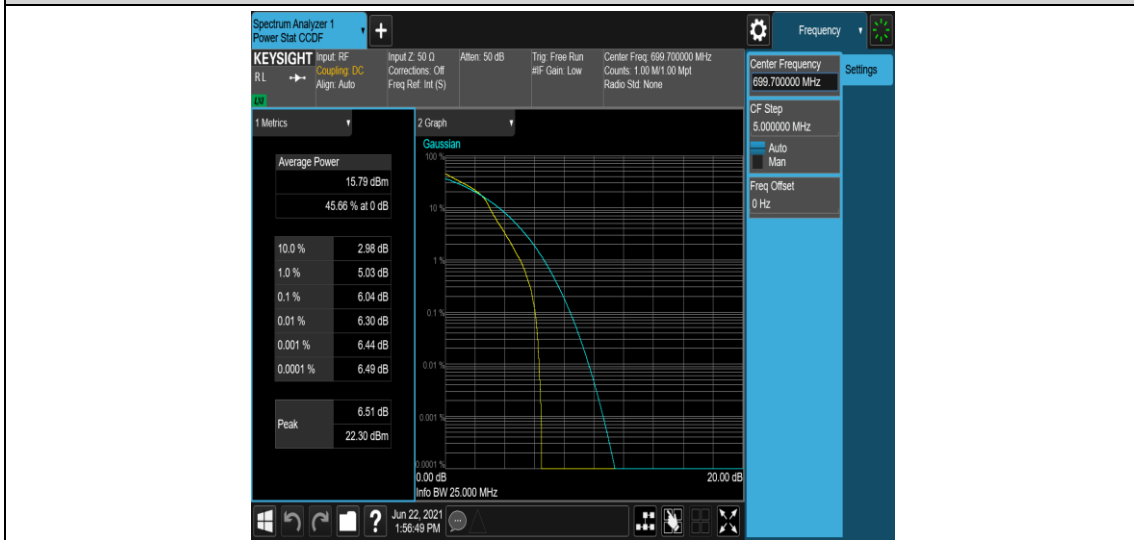
Test Graphs



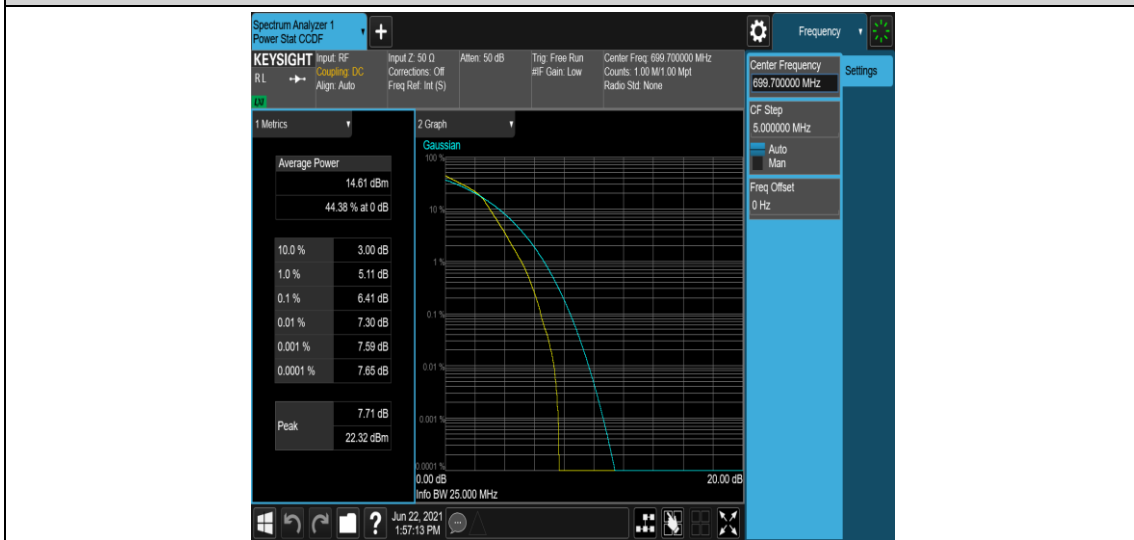




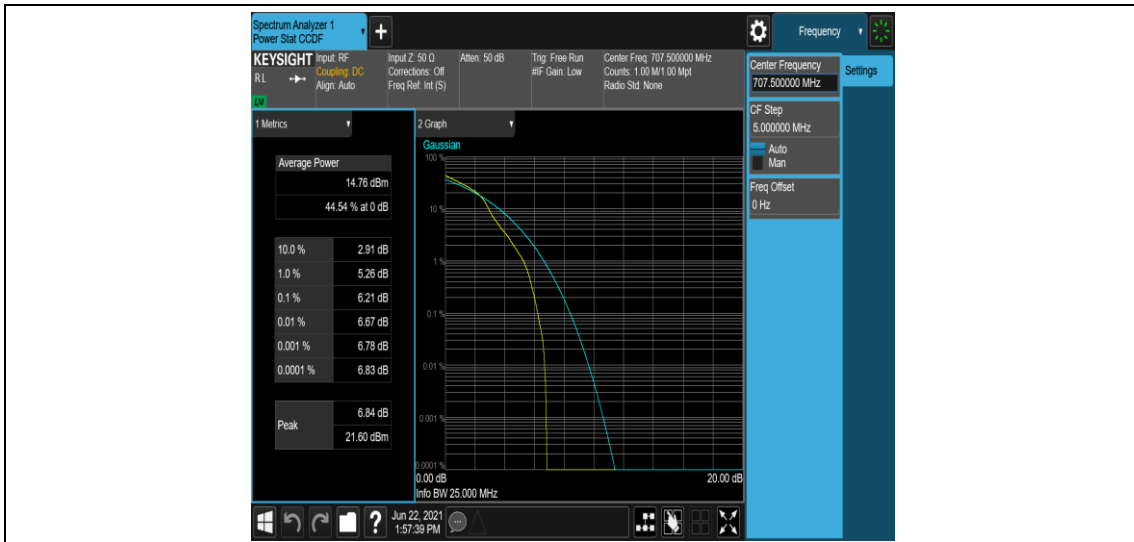
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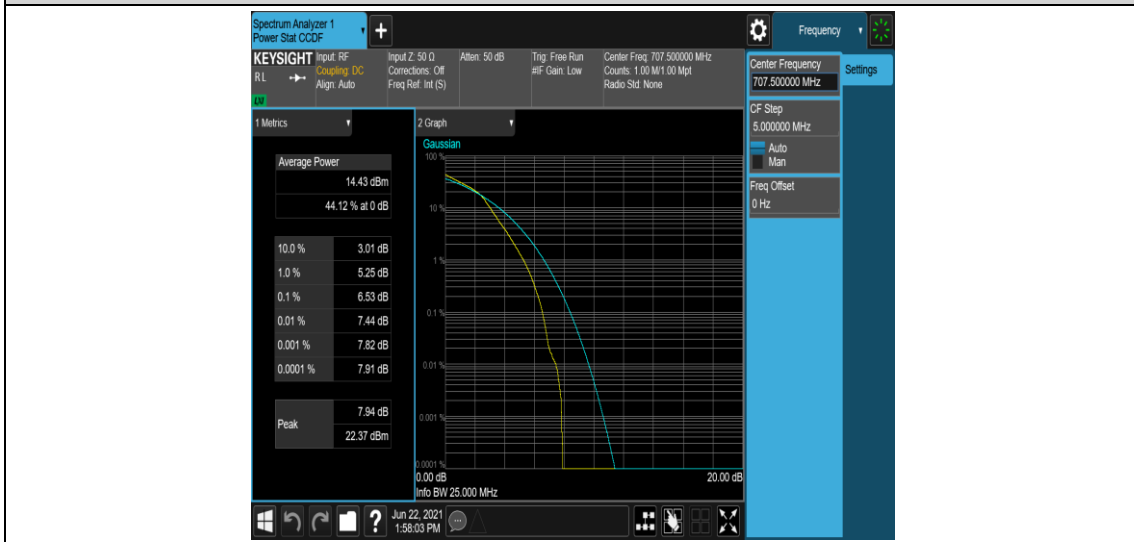
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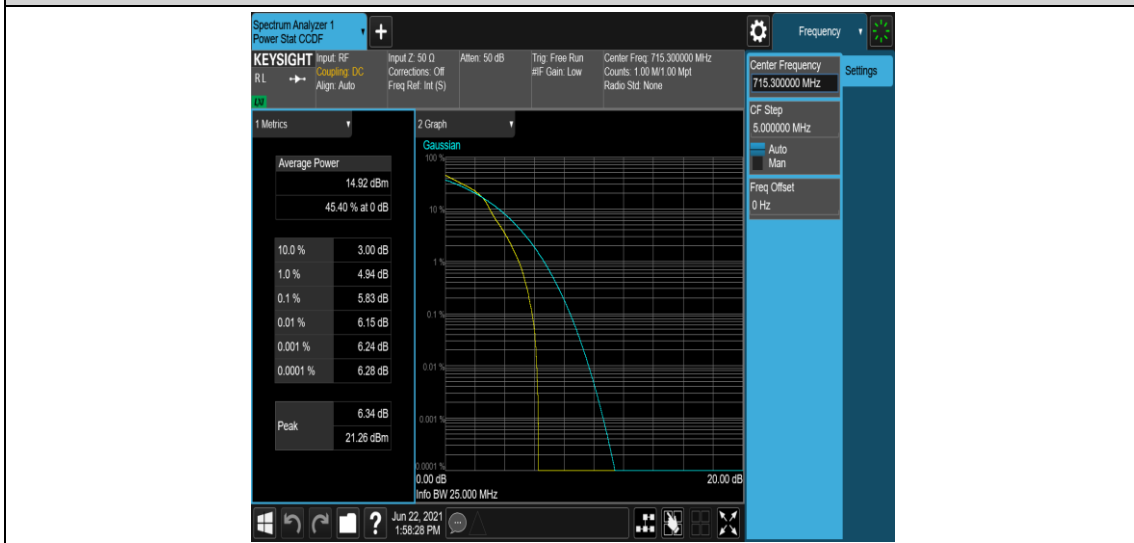
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Band12-1.4MHz-16QAM-23173-1RB#0



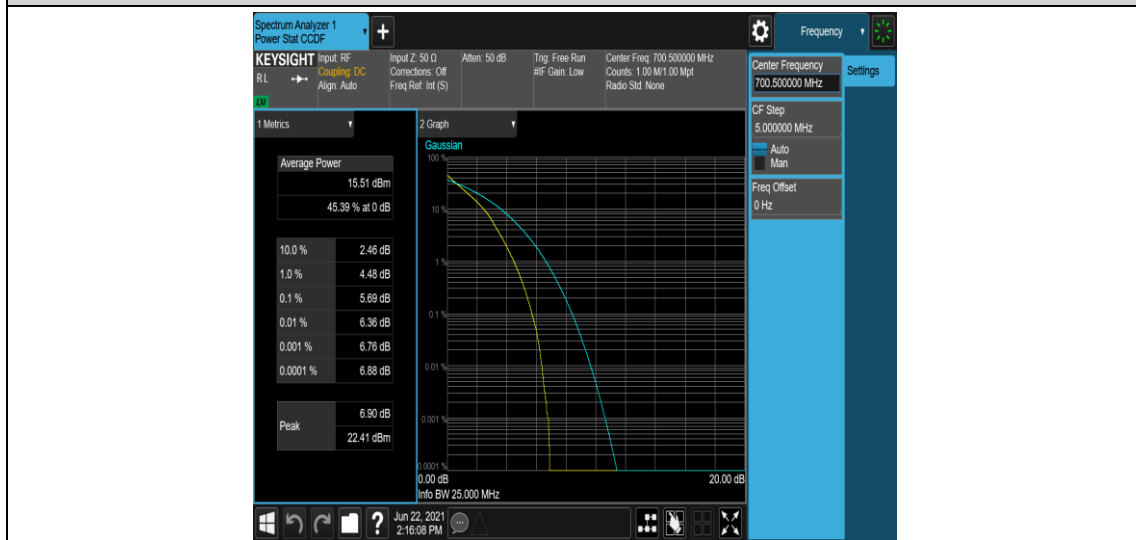
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Band12-3MHz-QPSK-23025-1RB#0



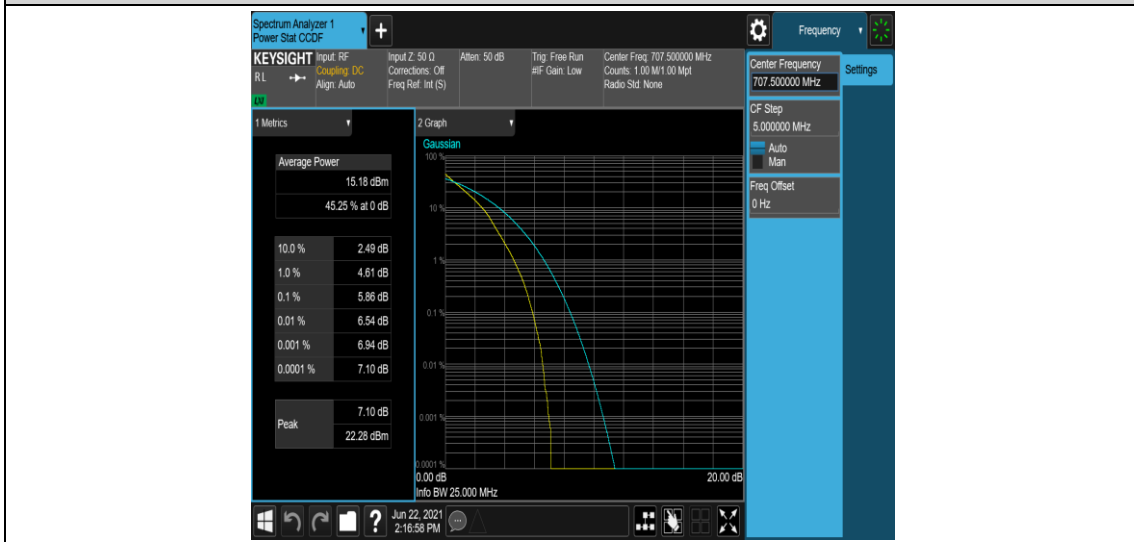
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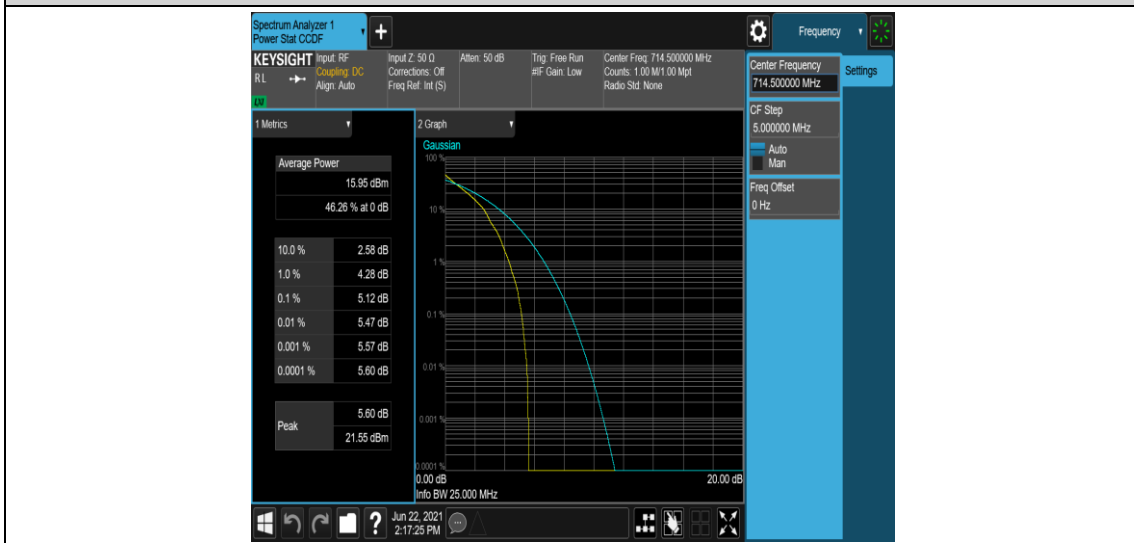
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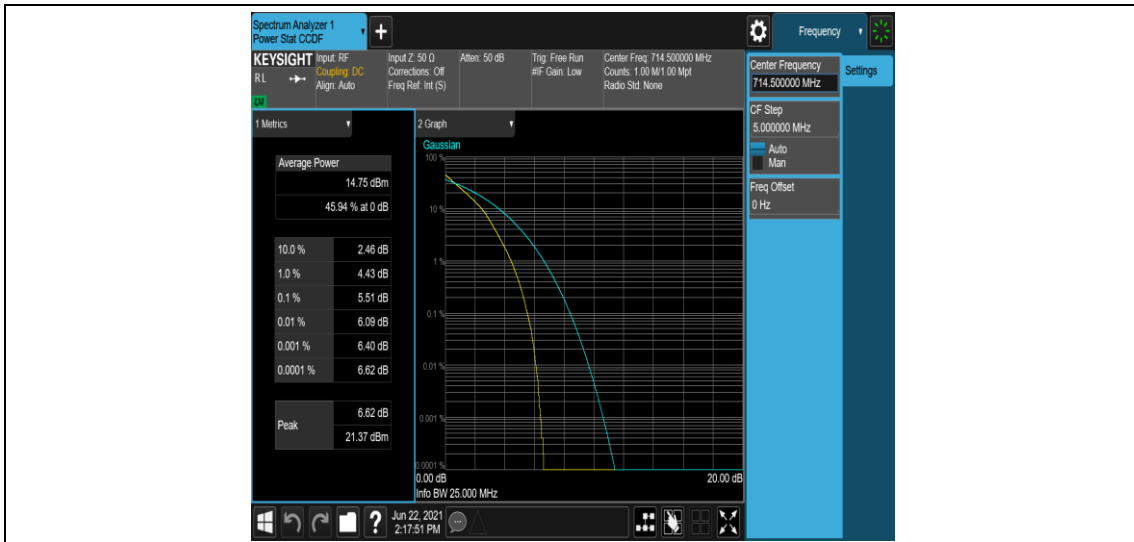
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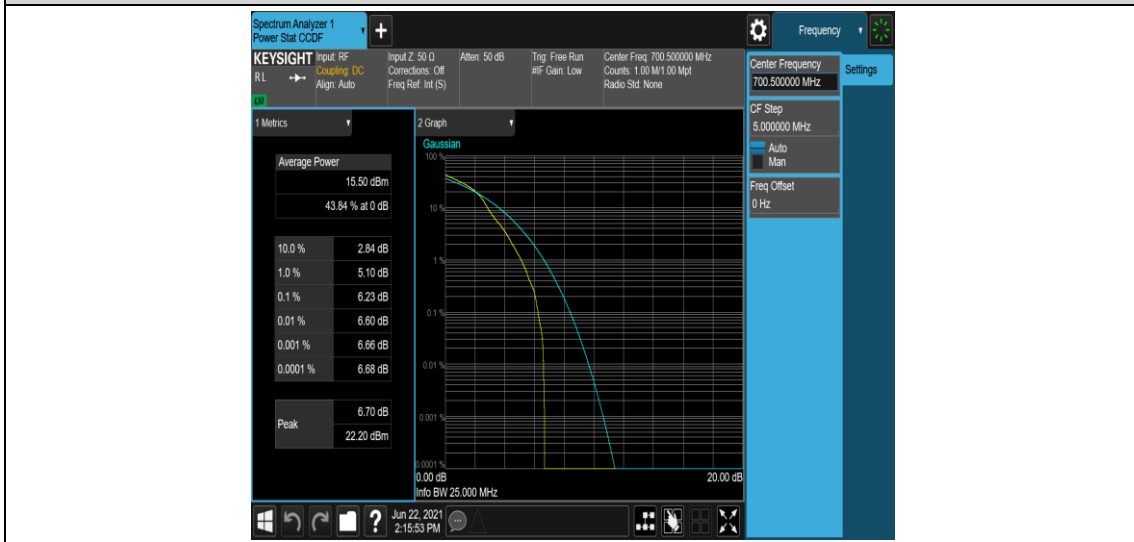
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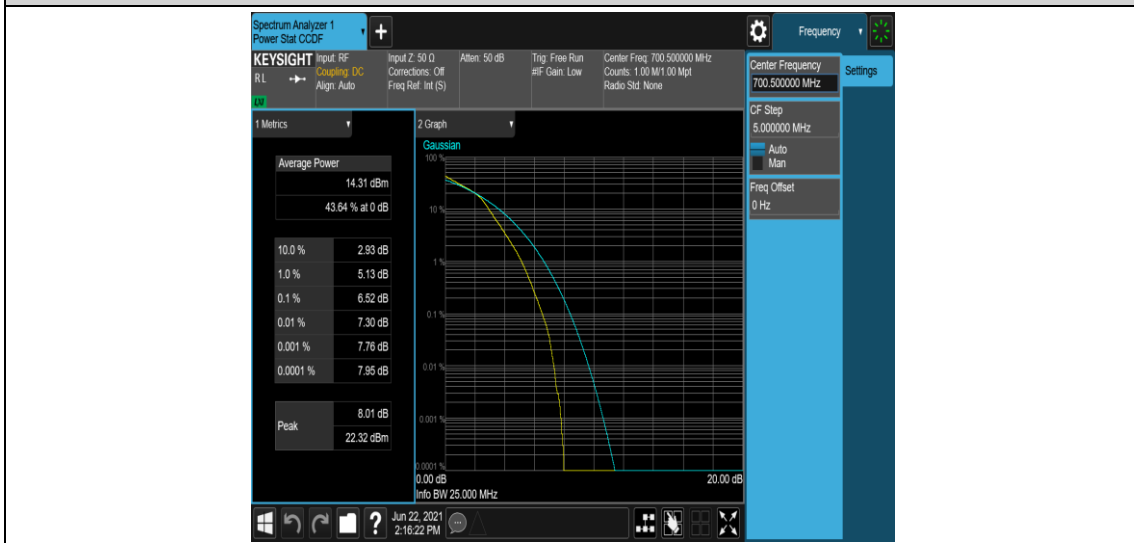
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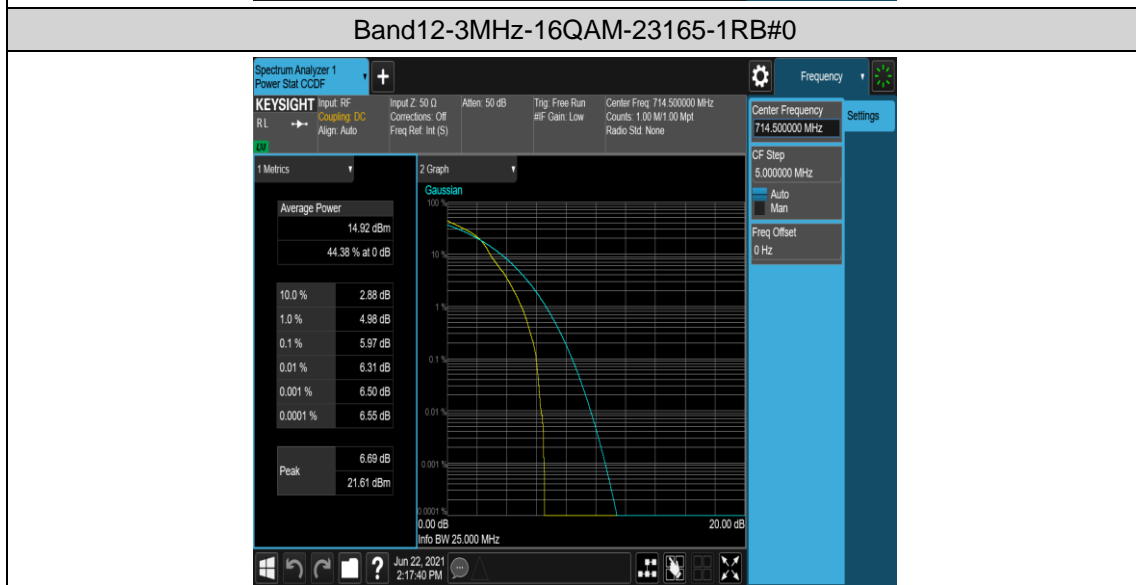
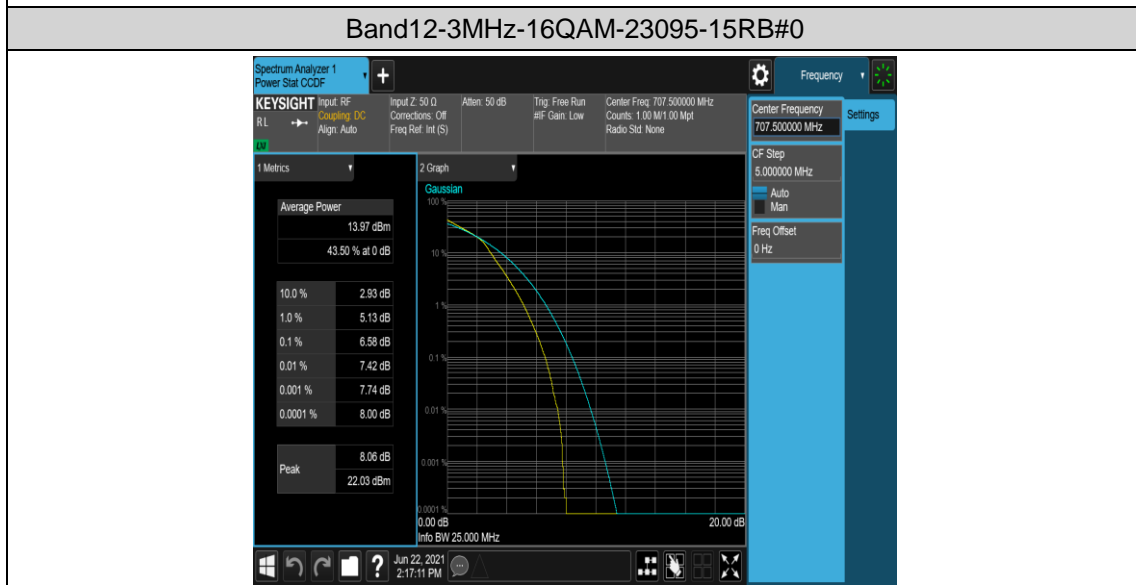
Band12-3MHz-16QAM-23025-1RB#0



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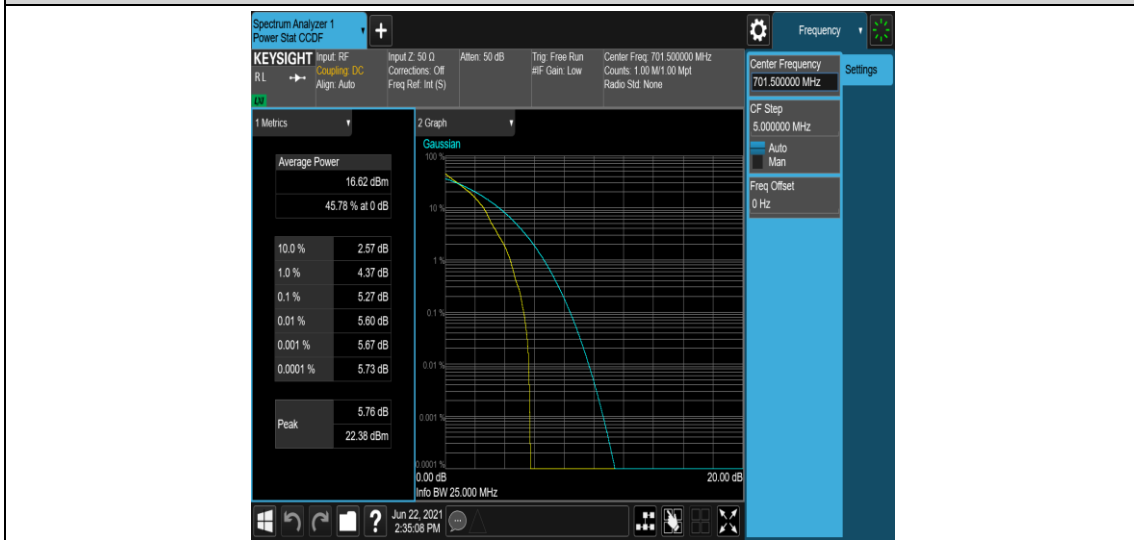


Band12-3MHz-16QAM-23095-1RB#0

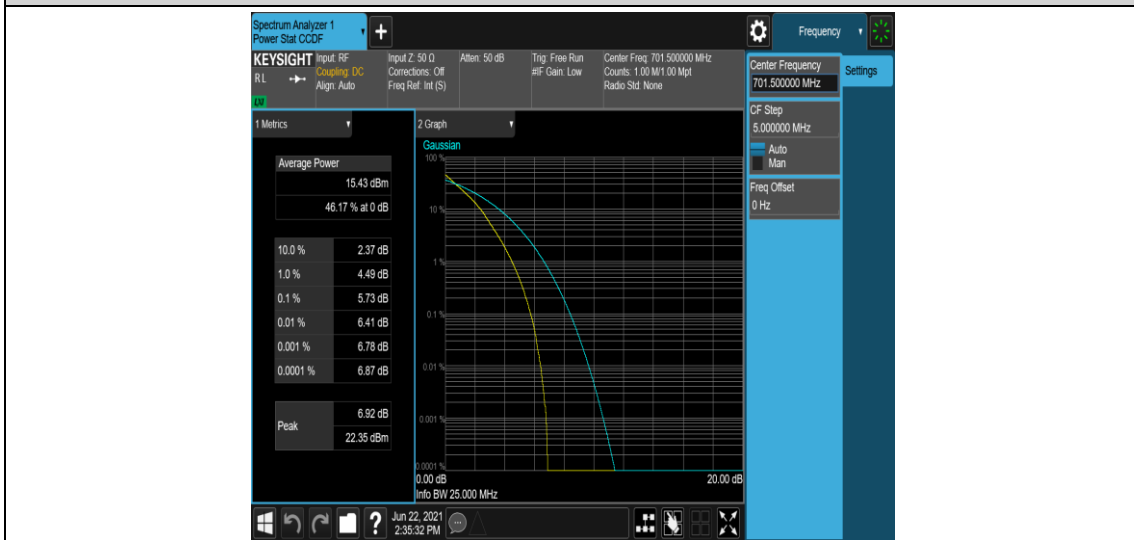




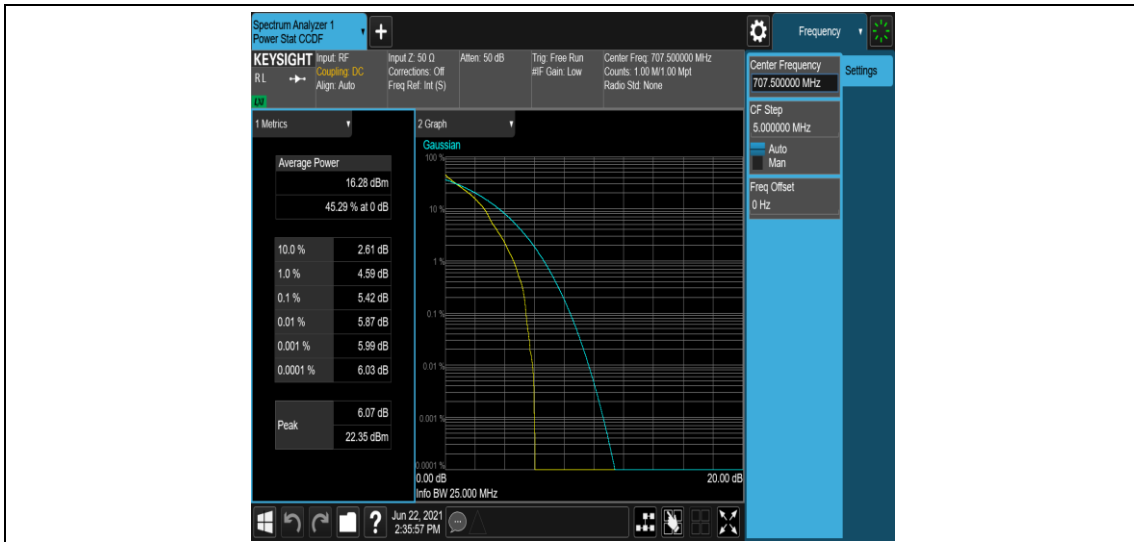
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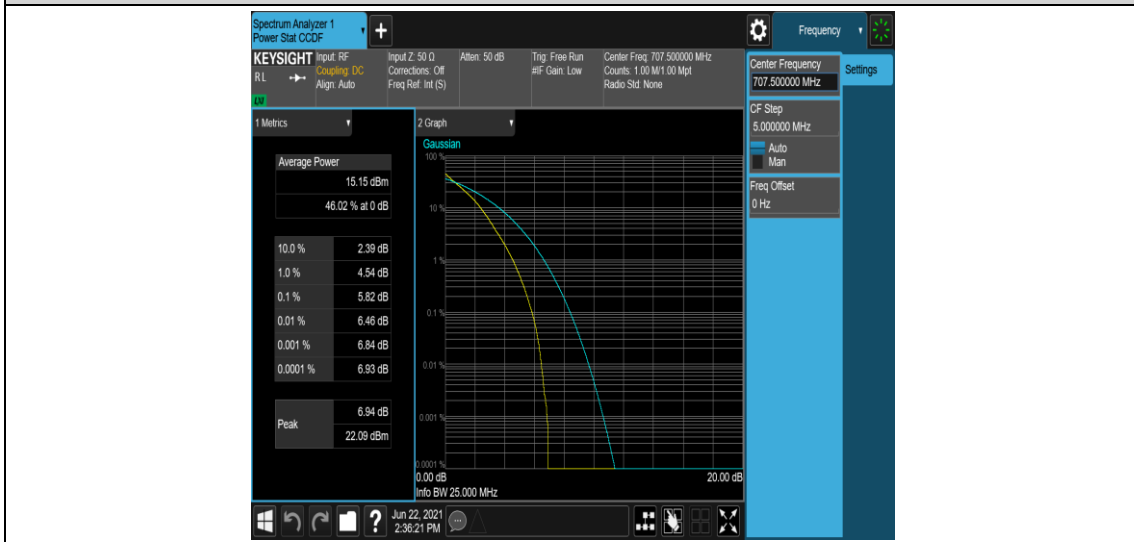
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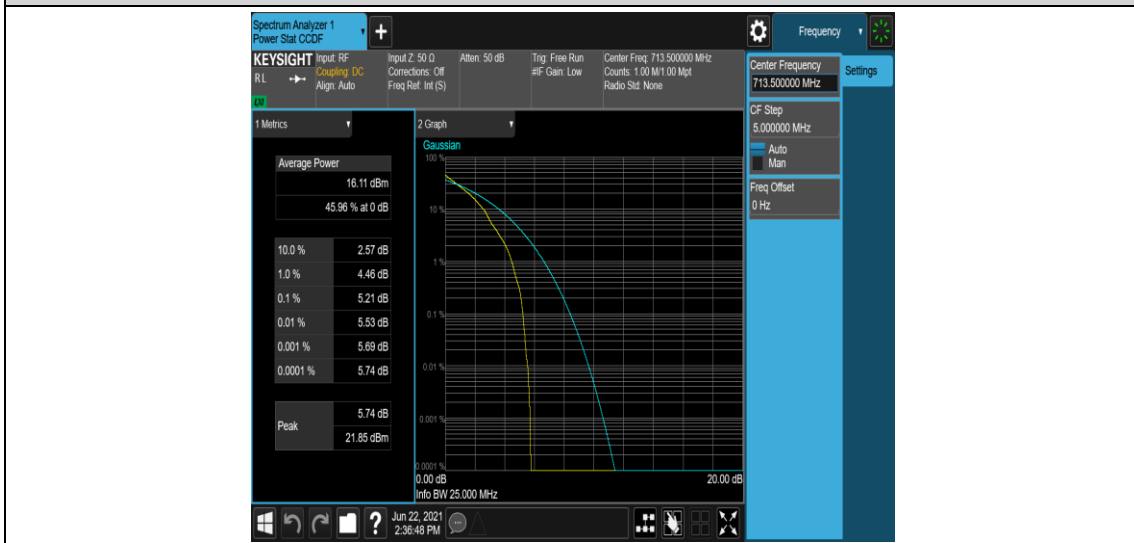
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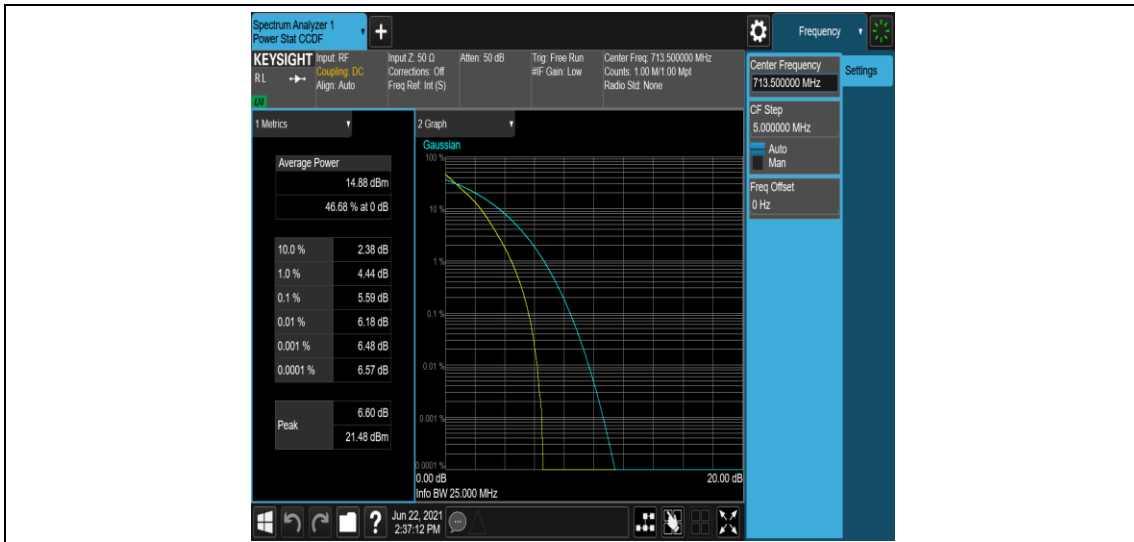
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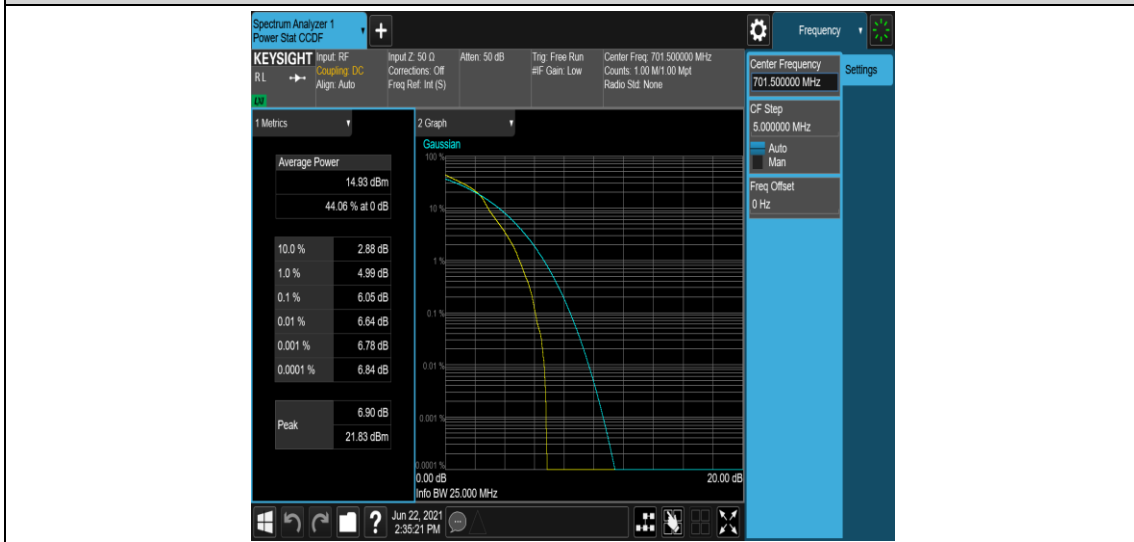
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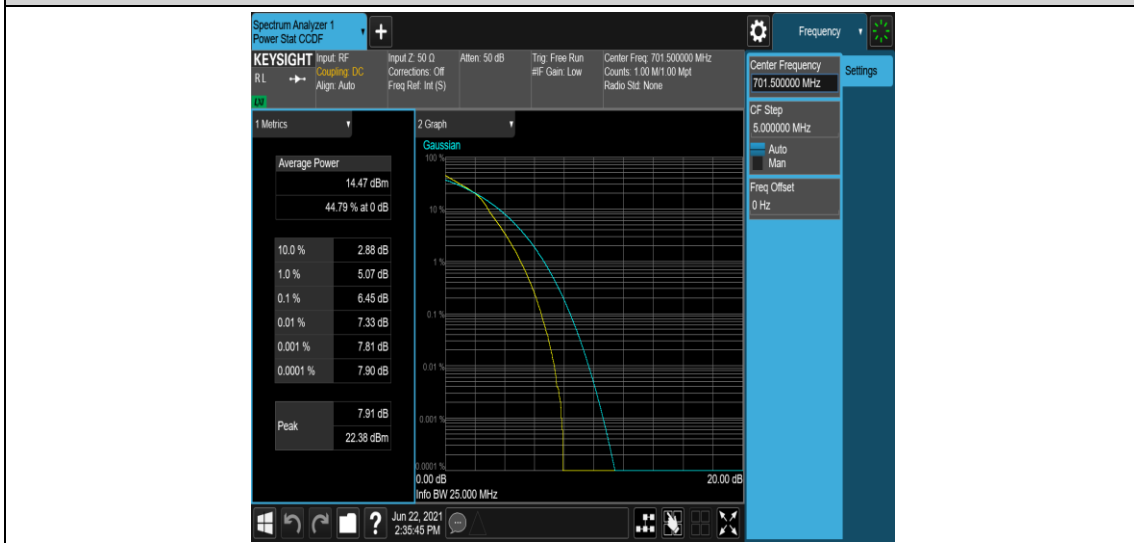
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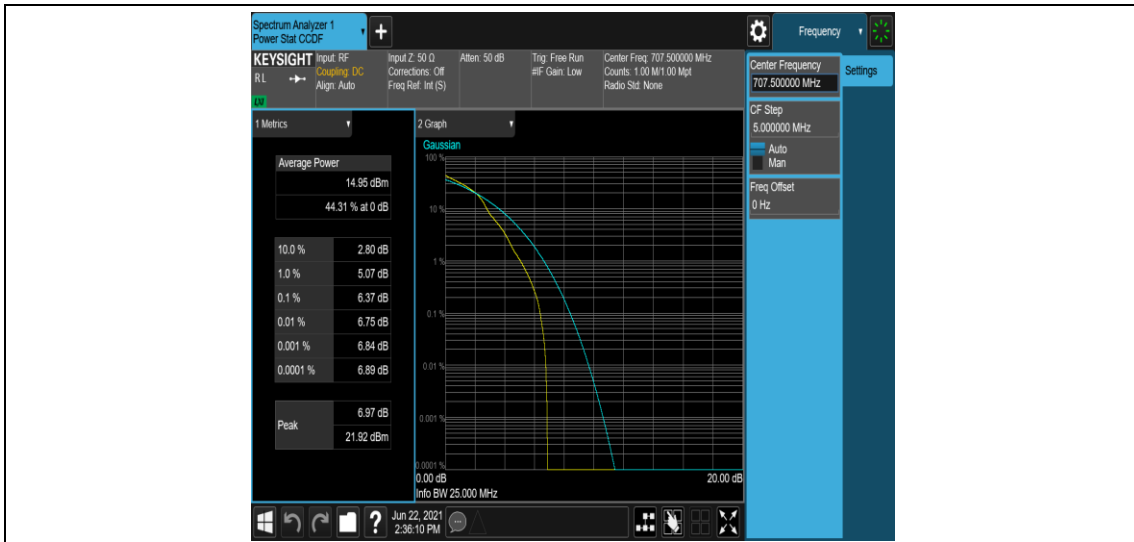
Band12-5MHz-16QAM-23035-1RB#0



Band12-5MHz-16QAM-23035-25RB#0



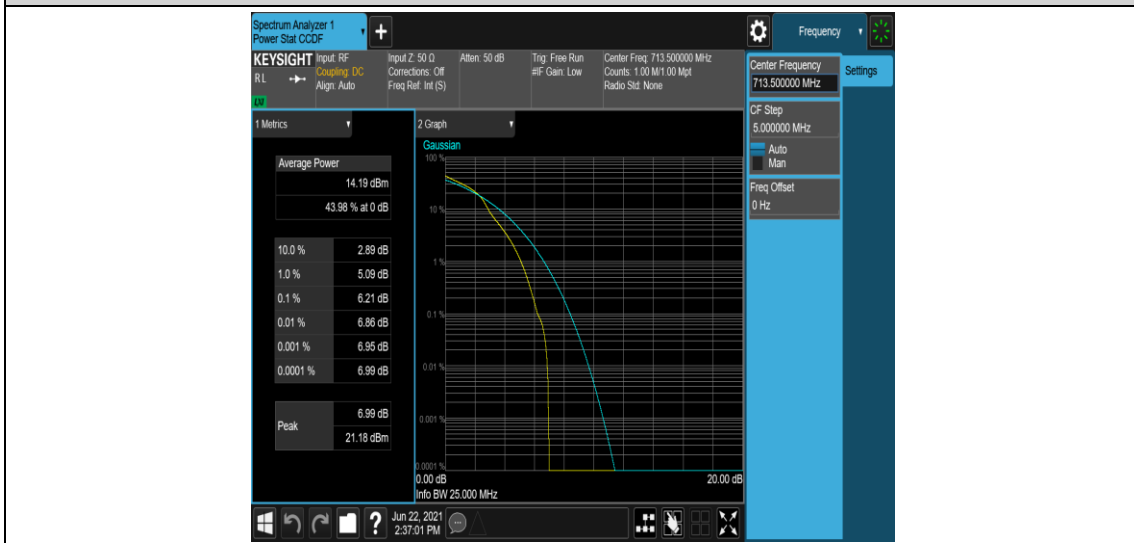
Band12-5MHz-16QAM-23095-1RB#0



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-1RB#0



Band12-5MHz-16QAM-23155-25RB#0



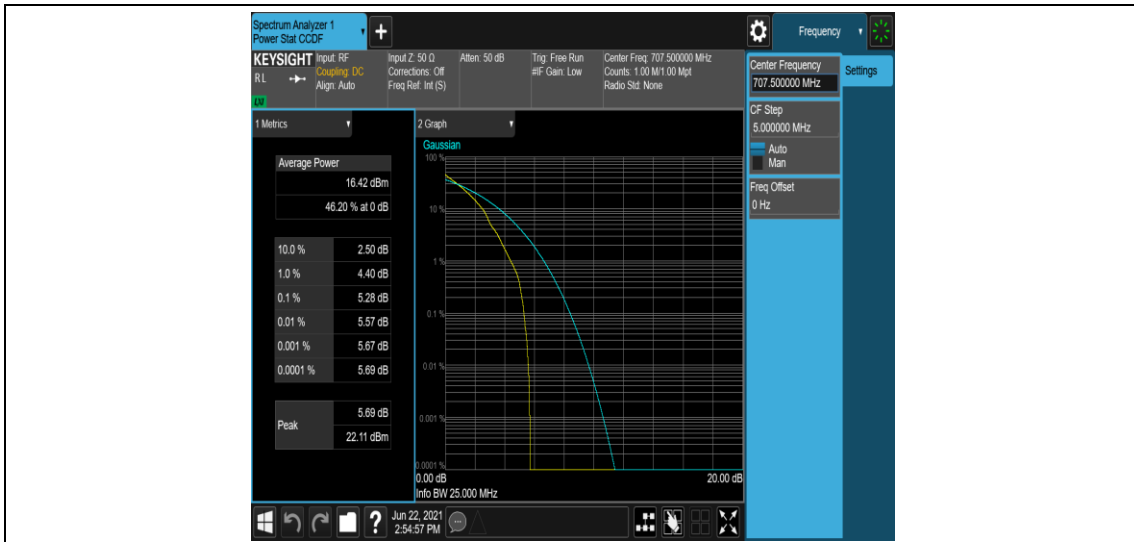
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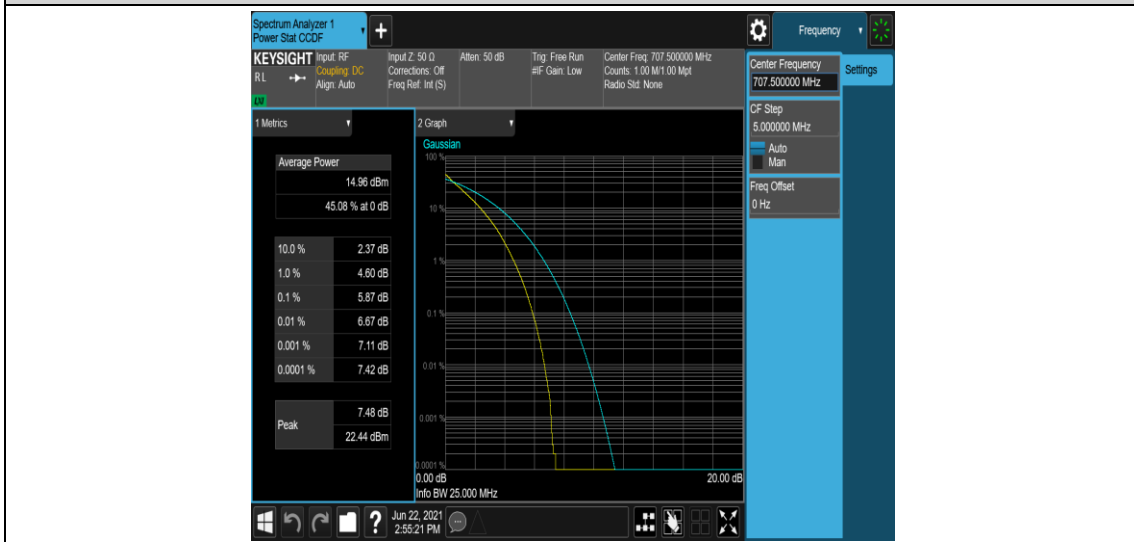
Band12-10MHz-QPSK-23060-50RB#0



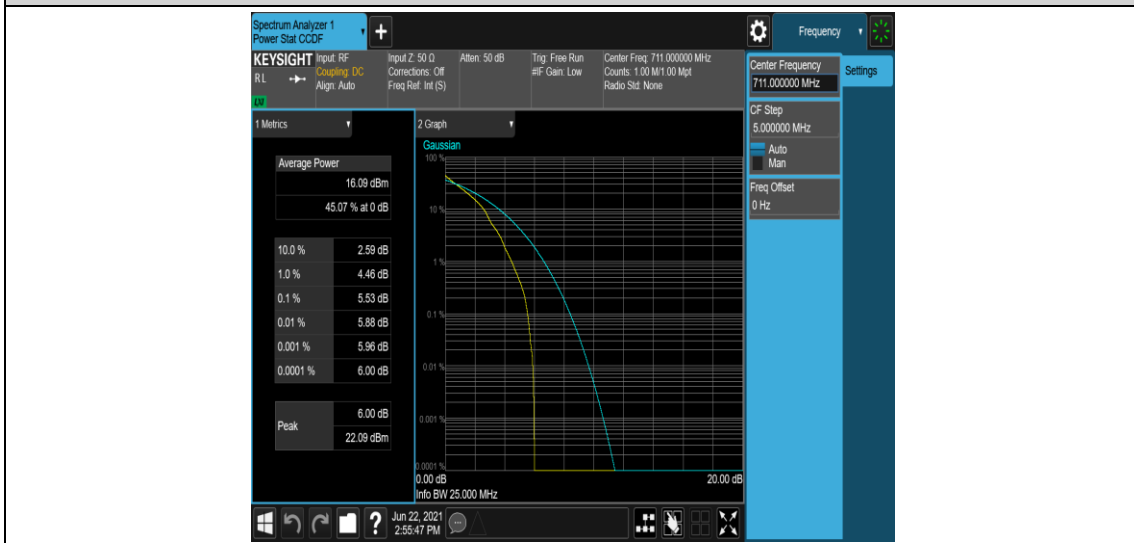
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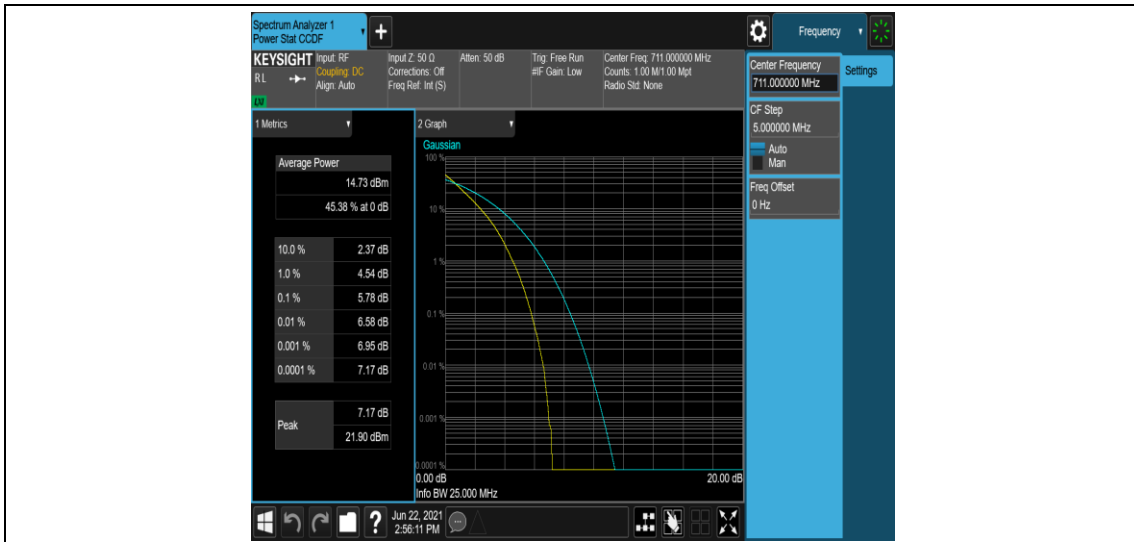
Band12-10MHz-QPSK-23095-50RB#0



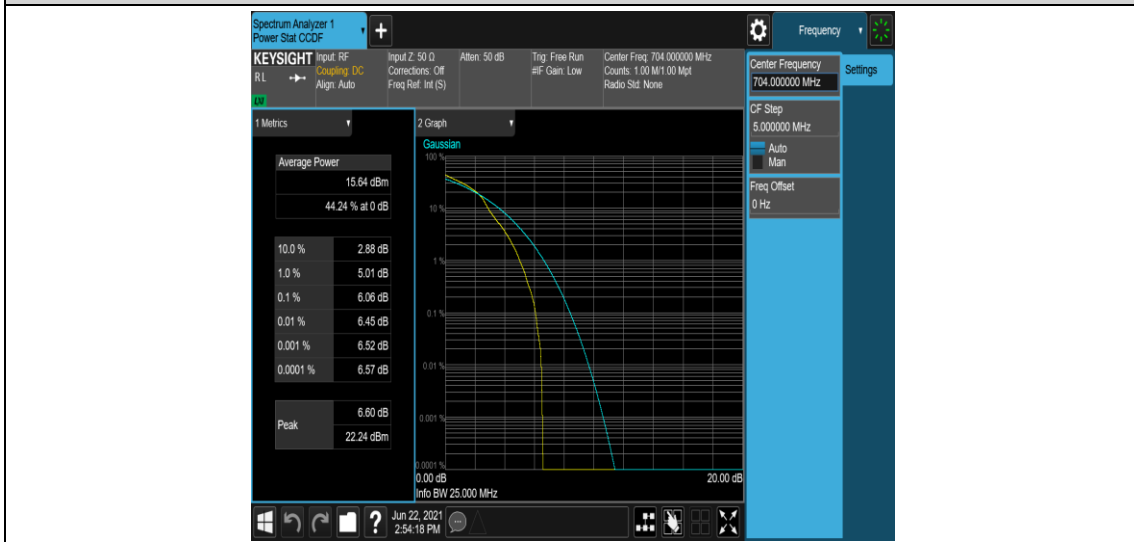
Band12-10MHz-QPSK-23130-1RB#0



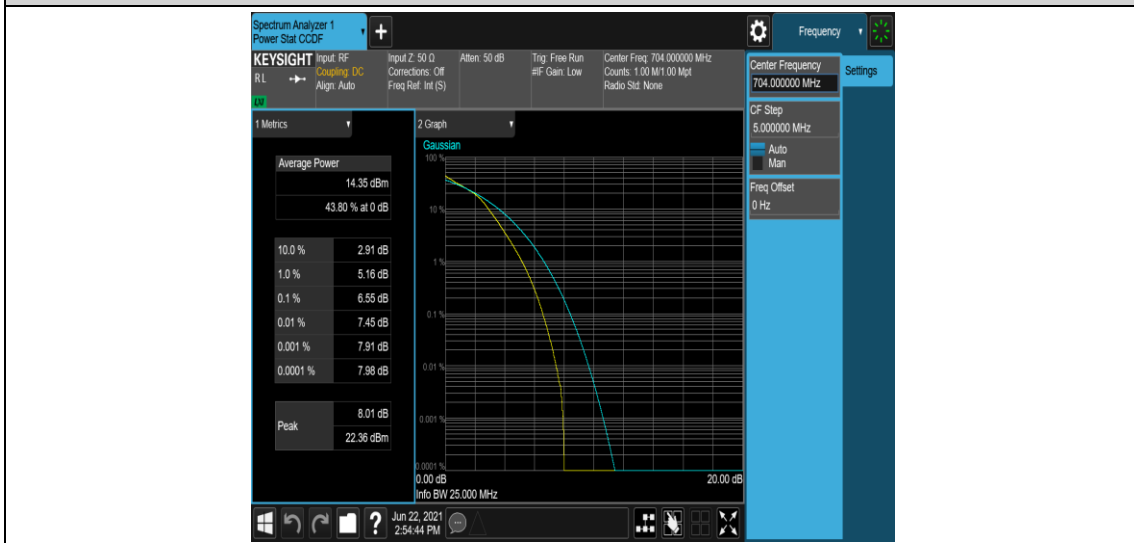
Band12-10MHz-QPSK-23130-50RB#0



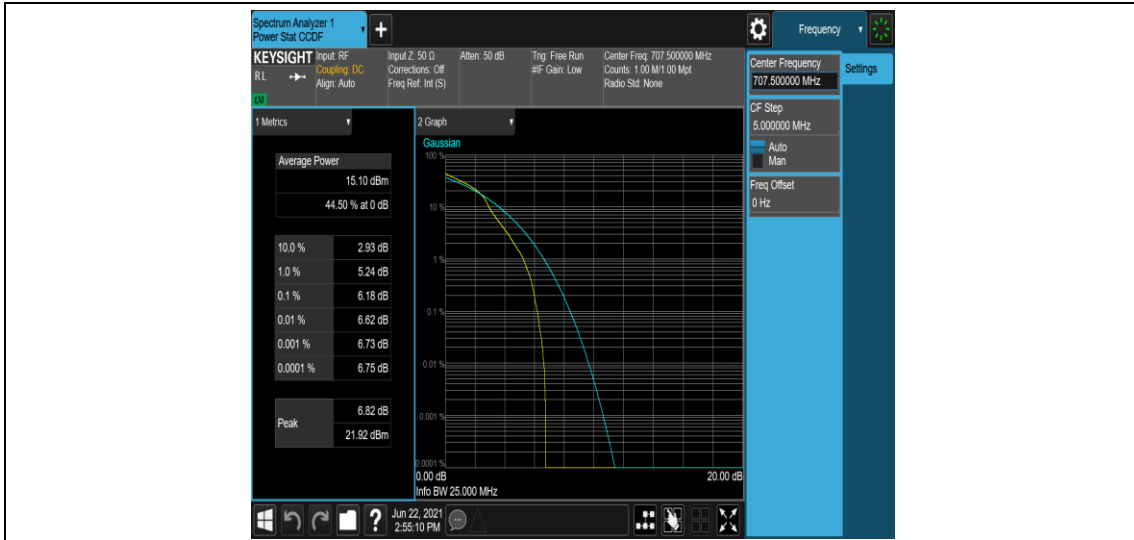
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Band12-10MHz-16QAM-23060-50RB#0



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



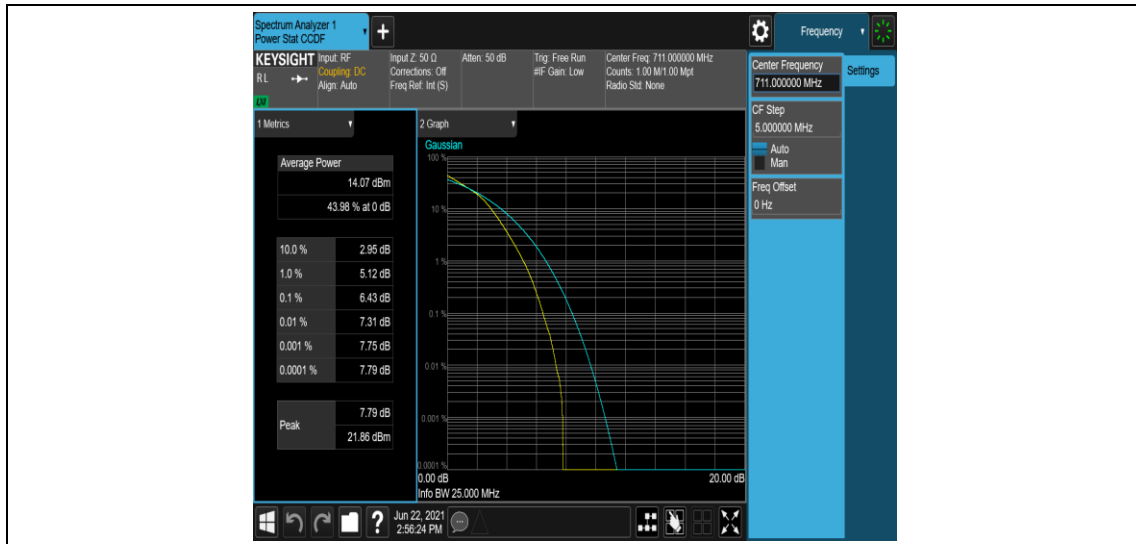
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Band12-10MHz-16QAM-23130-50RB#0

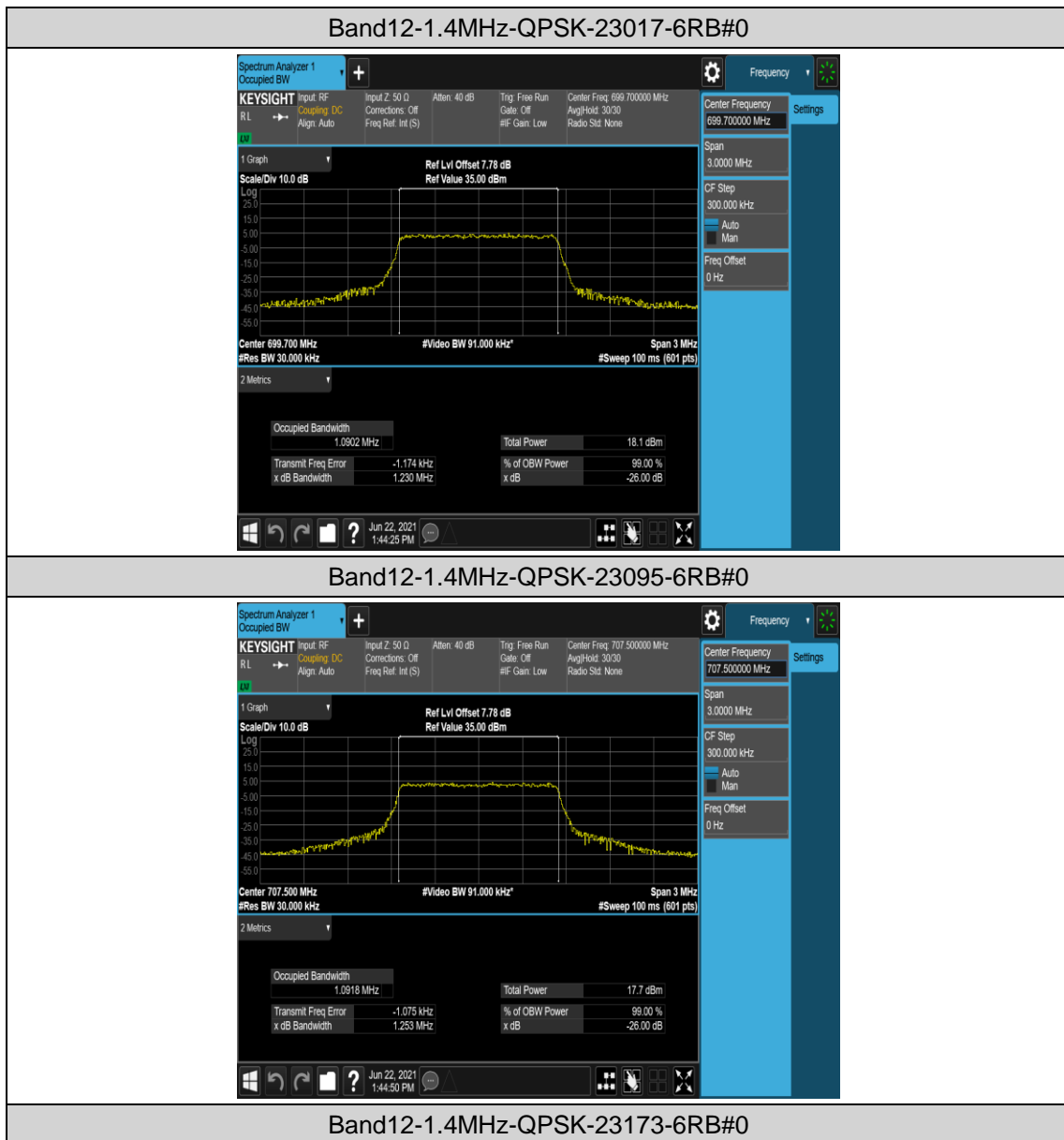


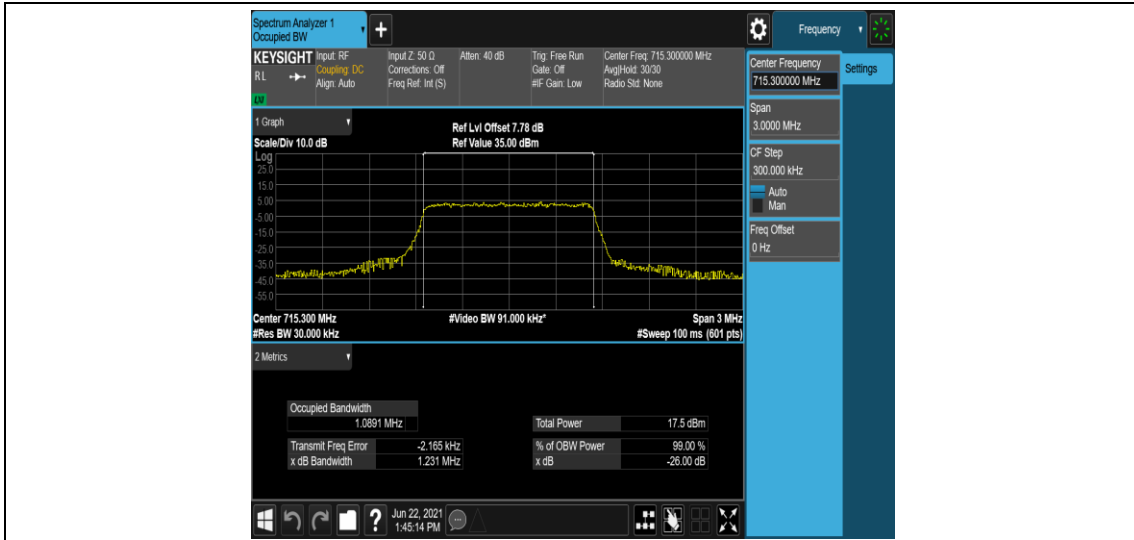
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

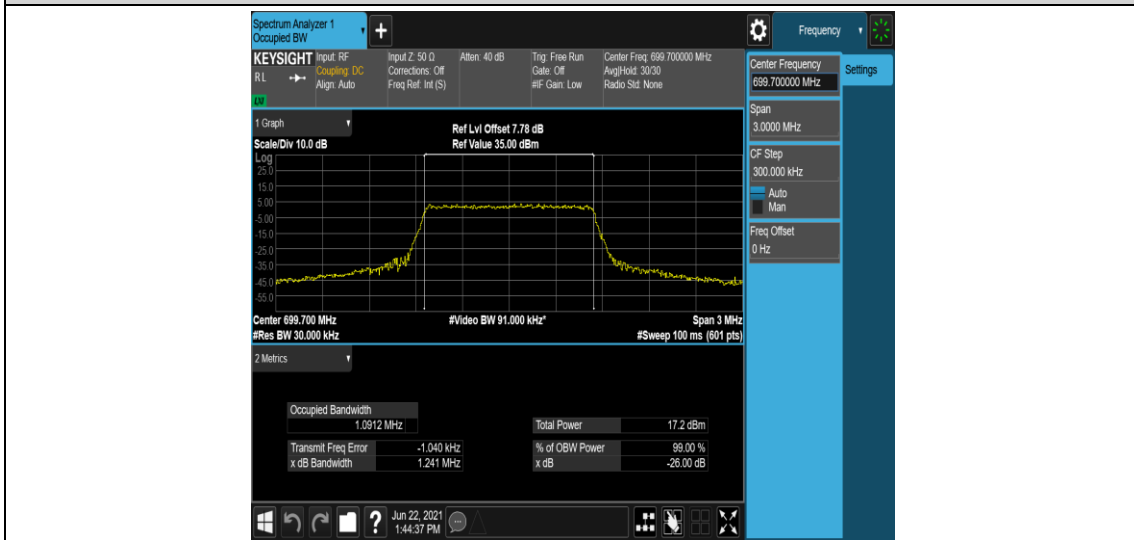
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0902	1.230	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0918	1.253	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0891	1.231	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0912	1.241	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0890	1.246	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0911	1.232	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6963	2.962	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6996	2.977	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6953	2.955	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6897	2.959	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6952	2.996	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6936	2.963	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4964	4.955	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4983	4.937	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4945	4.932	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5037	4.896	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5031	4.985	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5024	4.936	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9987	9.582	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0013	9.605	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9817	9.563	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9777	9.604	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9930	9.630	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9739	9.574	PASS

Test Graphs

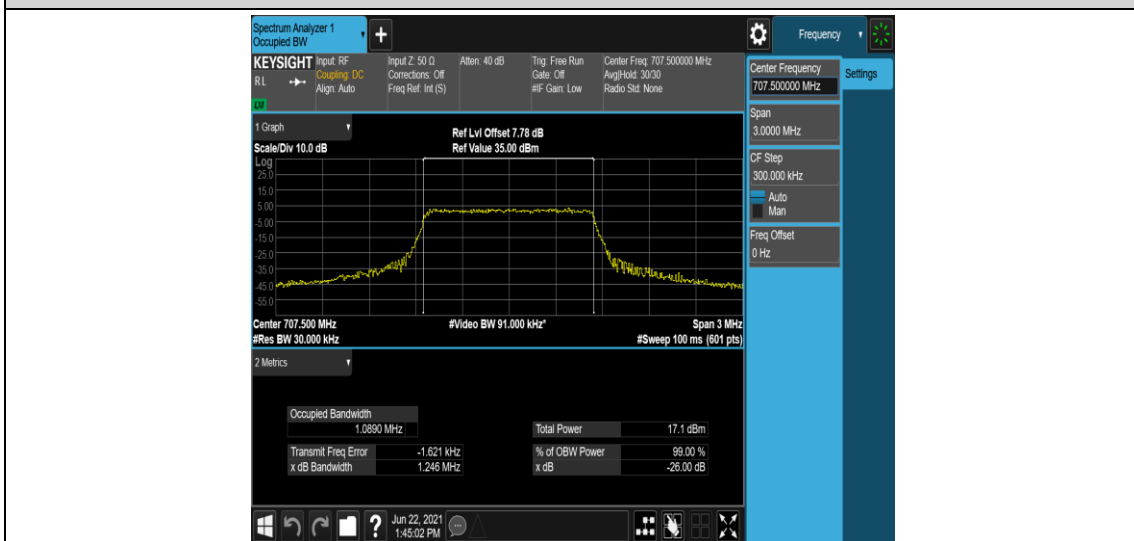




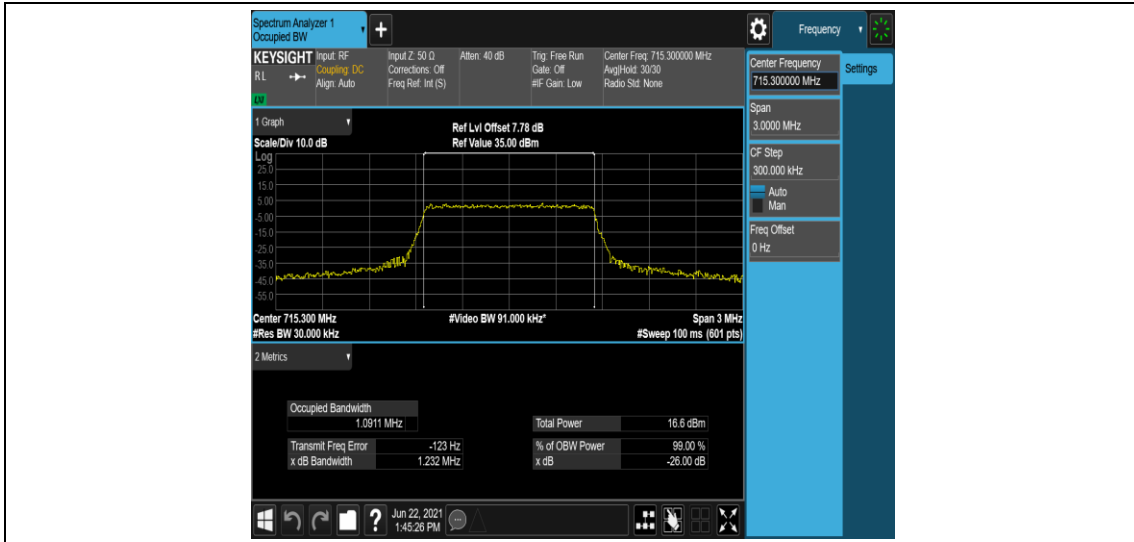
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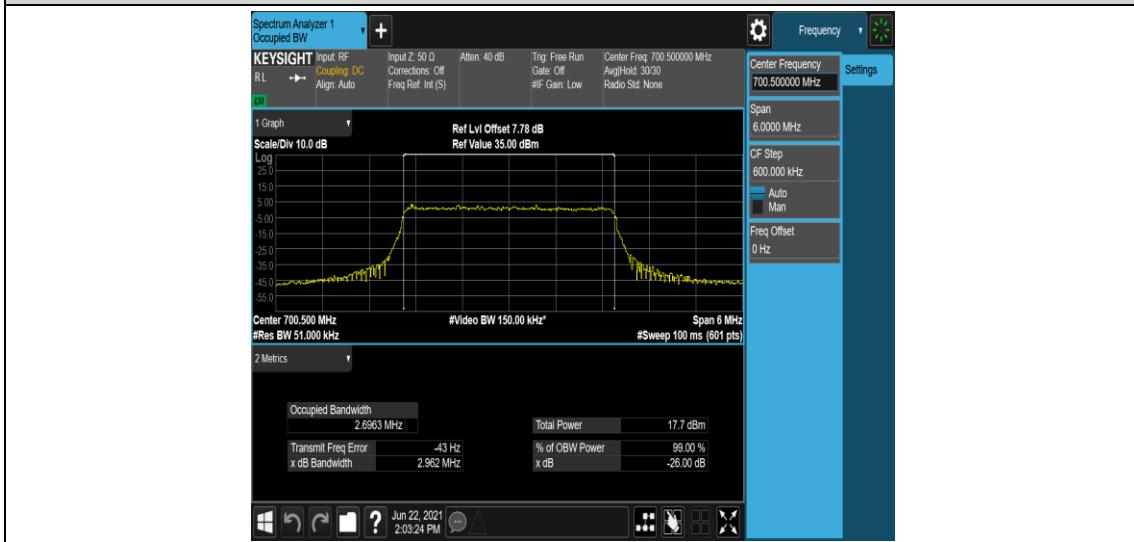
Band12-1.4MHz-16QAM-23095-6RB#0



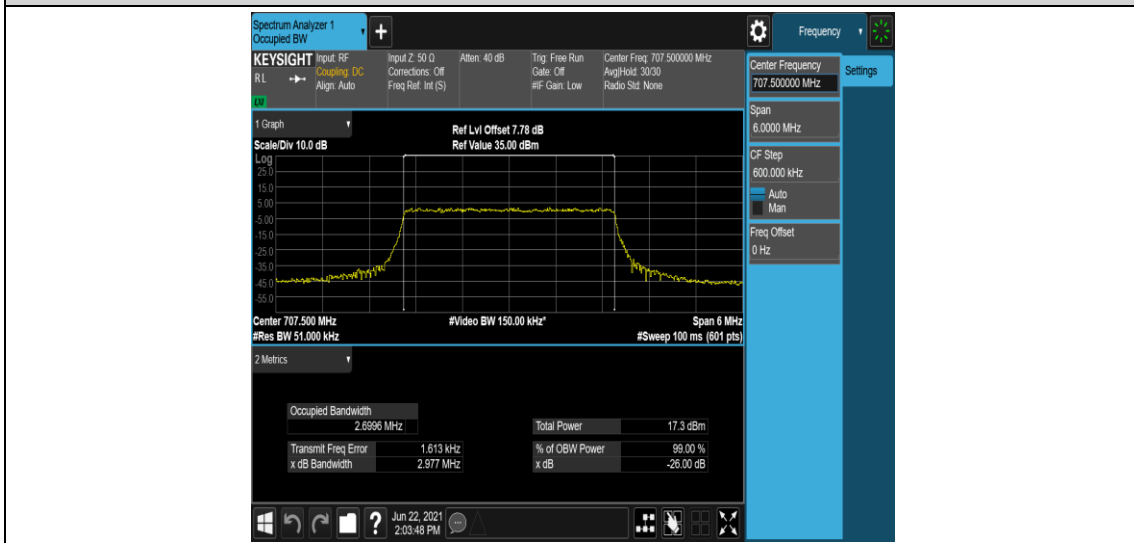
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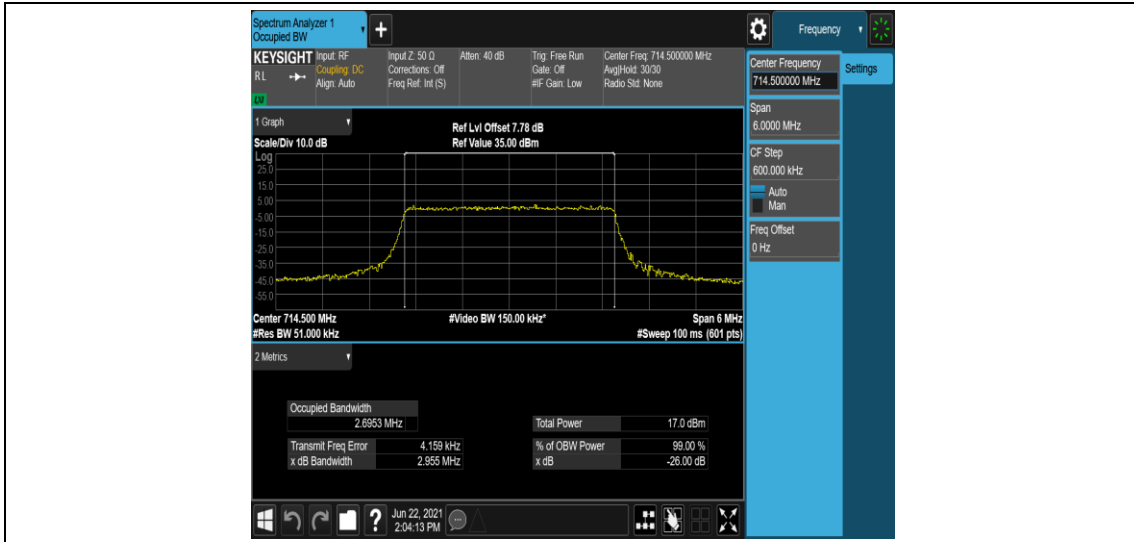
Band12-3MHz-QPSK-23025-15RB#0



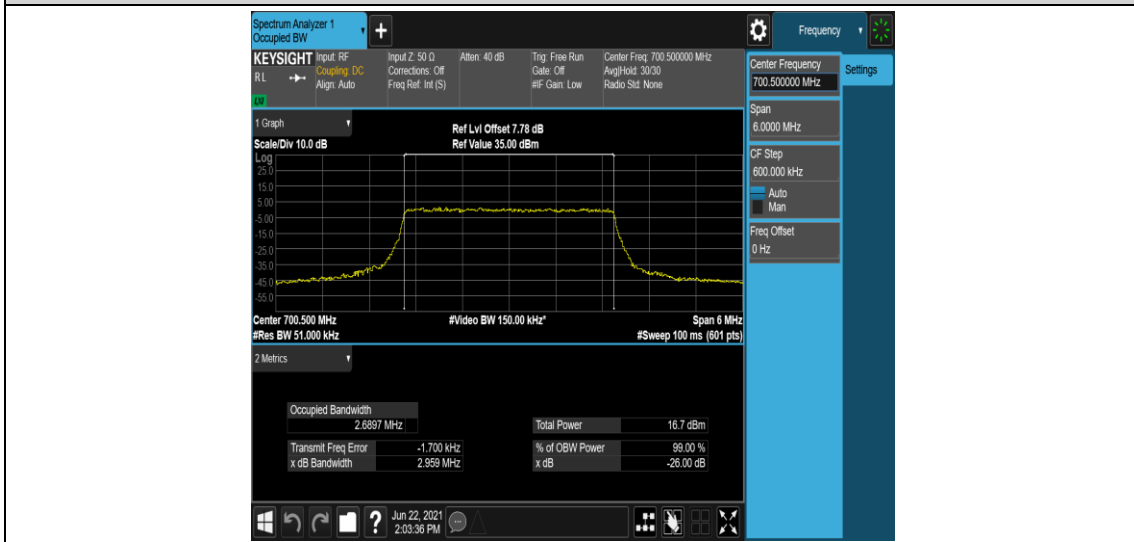
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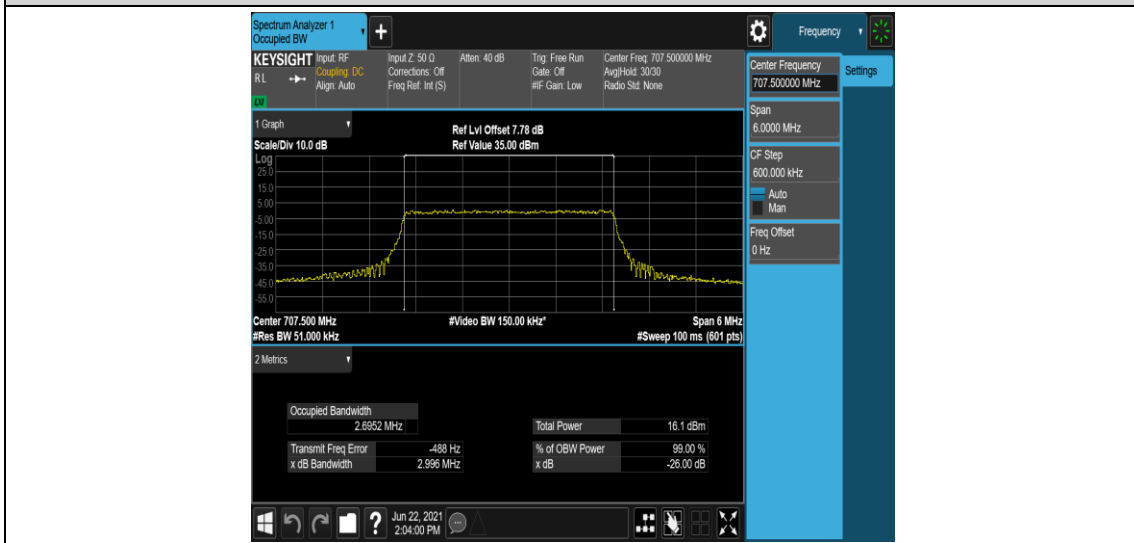
Band12-3MHz-QPSK-23165-15RB#0



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



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



Band12-3MHz-16QAM-23165-15RB#0