

Appendix for Band 7

Product Name: LutiBand and GuardianCall

Model No: LBGC0001

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	24.24	PASS
Band7	5MHz	QPSK	20775	1RB#12	24.28	PASS
Band7	5MHz	QPSK	20775	1RB#24	24.25	PASS
Band7	5MHz	QPSK	20775	12RB#0	23.38	PASS
Band7	5MHz	QPSK	20775	12RB#6	23.32	PASS
Band7	5MHz	QPSK	20775	12RB#13	23.38	PASS
Band7	5MHz	QPSK	20775	25RB#0	23.35	PASS
Band7	5MHz	QPSK	21100	1RB#0	24.39	PASS
Band7	5MHz	QPSK	21100	1RB#12	24.55	PASS
Band7	5MHz	QPSK	21100	1RB#24	24.40	PASS
Band7	5MHz	QPSK	21100	12RB#0	23.34	PASS
Band7	5MHz	QPSK	21100	12RB#6	23.36	PASS
Band7	5MHz	QPSK	21100	12RB#13	23.26	PASS
Band7	5MHz	QPSK	21100	25RB#0	23.43	PASS
Band7	5MHz	QPSK	21425	1RB#0	24.50	PASS
Band7	5MHz	QPSK	21425	1RB#12	24.52	PASS
Band7	5MHz	QPSK	21425	1RB#24	24.55	PASS
Band7	5MHz	QPSK	21425	12RB#0	23.40	PASS
Band7	5MHz	QPSK	21425	12RB#6	23.47	PASS
Band7	5MHz	QPSK	21425	12RB#13	23.53	PASS
Band7	5MHz	QPSK	21425	25RB#0	23.40	PASS
Band7	5MHz	16QAM	20775	1RB#0	22.90	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.88	PASS
Band7	5MHz	16QAM	20775	1RB#24	22.88	PASS
Band7	5MHz	16QAM	20775	12RB#0	22.36	PASS
Band7	5MHz	16QAM	20775	12RB#6	22.31	PASS
Band7	5MHz	16QAM	20775	12RB#13	22.32	PASS
Band7	5MHz	16QAM	20775	25RB#0	22.44	PASS
Band7	5MHz	16QAM	21100	1RB#0	22.67	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.82	PASS
Band7	5MHz	16QAM	21100	1RB#24	22.73	PASS

Band7	5MHz	16QAM	21100	12RB#0	22.37	PASS
Band7	5MHz	16QAM	21100	12RB#6	22.38	PASS
Band7	5MHz	16QAM	21100	12RB#13	22.39	PASS
Band7	5MHz	16QAM	21100	25RB#0	22.63	PASS
Band7	5MHz	16QAM	21425	1RB#0	22.86	PASS
Band7	5MHz	16QAM	21425	1RB#12	22.81	PASS
Band7	5MHz	16QAM	21425	1RB#24	22.96	PASS
Band7	5MHz	16QAM	21425	12RB#0	22.60	PASS
Band7	5MHz	16QAM	21425	12RB#6	22.52	PASS
Band7	5MHz	16QAM	21425	12RB#13	22.55	PASS
Band7	5MHz	16QAM	21425	25RB#0	22.64	PASS
Band7	10MHz	QPSK	20800	1RB#0	24.37	PASS
Band7	10MHz	QPSK	20800	1RB#24	24.33	PASS
Band7	10MHz	QPSK	20800	1RB#49	24.29	PASS
Band7	10MHz	QPSK	20800	25RB#0	23.42	PASS
Band7	10MHz	QPSK	20800	25RB#12	23.36	PASS
Band7	10MHz	QPSK	20800	25RB#25	23.44	PASS
Band7	10MHz	QPSK	20800	50RB#0	23.27	PASS
Band7	10MHz	QPSK	21100	1RB#0	24.22	PASS
Band7	10MHz	QPSK	21100	1RB#24	24.30	PASS
Band7	10MHz	QPSK	21100	1RB#49	24.20	PASS
Band7	10MHz	QPSK	21100	25RB#0	23.21	PASS
Band7	10MHz	QPSK	21100	25RB#12	23.28	PASS
Band7	10MHz	QPSK	21100	25RB#25	23.38	PASS
Band7	10MHz	QPSK	21100	50RB#0	23.46	PASS
Band7	10MHz	QPSK	21400	1RB#0	24.34	PASS
Band7	10MHz	QPSK	21400	1RB#24	24.29	PASS
Band7	10MHz	QPSK	21400	1RB#49	24.29	PASS
Band7	10MHz	QPSK	21400	25RB#0	23.37	PASS
Band7	10MHz	QPSK	21400	25RB#12	23.37	PASS
Band7	10MHz	QPSK	21400	25RB#25	23.36	PASS
Band7	10MHz	QPSK	21400	50RB#0	23.42	PASS
Band7	10MHz	16QAM	20800	1RB#0	23.27	PASS
Band7	10MHz	16QAM	20800	1RB#24	23.26	PASS
Band7	10MHz	16QAM	20800	1RB#49	23.20	PASS
Band7	10MHz	16QAM	20800	25RB#0	22.57	PASS
Band7	10MHz	16QAM	20800	25RB#12	22.60	PASS

Band7	10MHz	16QAM	20800	25RB#25	22.55	PASS
Band7	10MHz	16QAM	20800	50RB#0	22.48	PASS
Band7	10MHz	16QAM	21100	1RB#0	23.11	PASS
Band7	10MHz	16QAM	21100	1RB#24	23.32	PASS
Band7	10MHz	16QAM	21100	1RB#49	23.10	PASS
Band7	10MHz	16QAM	21100	25RB#0	22.39	PASS
Band7	10MHz	16QAM	21100	25RB#12	22.35	PASS
Band7	10MHz	16QAM	21100	25RB#25	22.44	PASS
Band7	10MHz	16QAM	21100	50RB#0	22.65	PASS
Band7	10MHz	16QAM	21400	1RB#0	23.18	PASS
Band7	10MHz	16QAM	21400	1RB#24	23.28	PASS
Band7	10MHz	16QAM	21400	1RB#49	23.28	PASS
Band7	10MHz	16QAM	21400	25RB#0	22.50	PASS
Band7	10MHz	16QAM	21400	25RB#12	22.43	PASS
Band7	10MHz	16QAM	21400	25RB#25	22.57	PASS
Band7	10MHz	16QAM	21400	50RB#0	22.54	PASS
Band7	15MHz	QPSK	20825	1RB#0	24.47	PASS
Band7	15MHz	QPSK	20825	1RB#38	24.37	PASS
Band7	15MHz	QPSK	20825	1RB#74	24.25	PASS
Band7	15MHz	QPSK	20825	38RB#0	23.77	PASS
Band7	15MHz	QPSK	20825	38RB#18	23.27	PASS
Band7	15MHz	QPSK	20825	38RB#37	23.19	PASS
Band7	15MHz	QPSK	20825	75RB#0	23.30	PASS
Band7	15MHz	QPSK	21100	1RB#0	24.20	PASS
Band7	15MHz	QPSK	21100	1RB#38	24.30	PASS
Band7	15MHz	QPSK	21100	1RB#74	24.14	PASS
Band7	15MHz	QPSK	21100	38RB#0	23.07	PASS
Band7	15MHz	QPSK	21100	38RB#18	23.25	PASS
Band7	15MHz	QPSK	21100	38RB#37	23.05	PASS
Band7	15MHz	QPSK	21100	75RB#0	23.55	PASS
Band7	15MHz	QPSK	21375	1RB#0	24.21	PASS
Band7	15MHz	QPSK	21375	1RB#38	24.18	PASS
Band7	15MHz	QPSK	21375	1RB#74	24.31	PASS
Band7	15MHz	QPSK	21375	38RB#0	23.18	PASS
Band7	15MHz	QPSK	21375	38RB#18	23.25	PASS
Band7	15MHz	QPSK	21375	38RB#37	23.32	PASS
Band7	15MHz	QPSK	21375	75RB#0	23.35	PASS

Band7	15MHz	16QAM	20825	1RB#0	23.72	PASS
Band7	15MHz	16QAM	20825	1RB#38	23.51	PASS
Band7	15MHz	16QAM	20825	1RB#74	23.53	PASS
Band7	15MHz	16QAM	20825	38RB#0	23.77	PASS
Band7	15MHz	16QAM	20825	38RB#18	23.26	PASS
Band7	15MHz	16QAM	20825	38RB#37	23.21	PASS
Band7	15MHz	16QAM	20825	75RB#0	22.54	PASS
Band7	15MHz	16QAM	21100	1RB#0	23.08	PASS
Band7	15MHz	16QAM	21100	1RB#38	23.30	PASS
Band7	15MHz	16QAM	21100	1RB#74	23.10	PASS
Band7	15MHz	16QAM	21100	38RB#0	23.13	PASS
Band7	15MHz	16QAM	21100	38RB#18	23.26	PASS
Band7	15MHz	16QAM	21100	38RB#37	23.15	PASS
Band7	15MHz	16QAM	21100	75RB#0	22.62	PASS
Band7	15MHz	16QAM	21375	1RB#0	23.16	PASS
Band7	15MHz	16QAM	21375	1RB#38	23.22	PASS
Band7	15MHz	16QAM	21375	1RB#74	23.30	PASS
Band7	15MHz	16QAM	21375	38RB#0	23.21	PASS
Band7	15MHz	16QAM	21375	38RB#18	23.27	PASS
Band7	15MHz	16QAM	21375	38RB#37	23.32	PASS
Band7	15MHz	16QAM	21375	75RB#0	22.57	PASS
Band7	20MHz	QPSK	20850	1RB#0	24.61	PASS
Band7	20MHz	QPSK	20850	1RB#49	24.49	PASS
Band7	20MHz	QPSK	20850	1RB#99	24.44	PASS
Band7	20MHz	QPSK	20850	50RB#0	23.46	PASS
Band7	20MHz	QPSK	20850	50RB#25	23.46	PASS
Band7	20MHz	QPSK	20850	50RB#50	23.20	PASS
Band7	20MHz	QPSK	20850	100RB#0	23.33	PASS
Band7	20MHz	QPSK	21100	1RB#0	24.56	PASS
Band7	20MHz	QPSK	21100	1RB#49	24.81	PASS
Band7	20MHz	QPSK	21100	1RB#99	24.52	PASS
Band7	20MHz	QPSK	21100	50RB#0	23.27	PASS
Band7	20MHz	QPSK	21100	50RB#25	23.36	PASS
Band7	20MHz	QPSK	21100	50RB#50	23.31	PASS
Band7	20MHz	QPSK	21100	100RB#0	23.40	PASS
Band7	20MHz	QPSK	21350	1RB#0	24.47	PASS
Band7	20MHz	QPSK	21350	1RB#49	24.56	PASS

Band7	20MHz	QPSK	21350	1RB#99	24.64	PASS
Band7	20MHz	QPSK	21350	50RB#0	23.32	PASS
Band7	20MHz	QPSK	21350	50RB#25	23.26	PASS
Band7	20MHz	QPSK	21350	50RB#50	23.44	PASS
Band7	20MHz	QPSK	21350	100RB#0	23.34	PASS
Band7	20MHz	16QAM	20850	1RB#0	23.99	PASS
Band7	20MHz	16QAM	20850	1RB#49	23.90	PASS
Band7	20MHz	16QAM	20850	1RB#99	23.81	PASS
Band7	20MHz	16QAM	20850	50RB#0	22.45	PASS
Band7	20MHz	16QAM	20850	50RB#25	22.45	PASS
Band7	20MHz	16QAM	20850	50RB#50	22.45	PASS
Band7	20MHz	16QAM	20850	100RB#0	22.43	PASS
Band7	20MHz	16QAM	21100	1RB#0	23.04	PASS
Band7	20MHz	16QAM	21100	1RB#49	23.19	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.73	PASS
Band7	20MHz	16QAM	21100	50RB#0	22.58	PASS
Band7	20MHz	16QAM	21100	50RB#25	22.51	PASS
Band7	20MHz	16QAM	21100	50RB#50	22.50	PASS
Band7	20MHz	16QAM	21100	100RB#0	22.61	PASS
Band7	20MHz	16QAM	21350	1RB#0	23.12	PASS
Band7	20MHz	16QAM	21350	1RB#49	23.14	PASS
Band7	20MHz	16QAM	21350	1RB#99	23.19	PASS
Band7	20MHz	16QAM	21350	50RB#0	22.57	PASS
Band7	20MHz	16QAM	21350	50RB#25	22.54	PASS
Band7	20MHz	16QAM	21350	50RB#50	22.57	PASS
Band7	20MHz	16QAM	21350	100RB#0	22.45	PASS

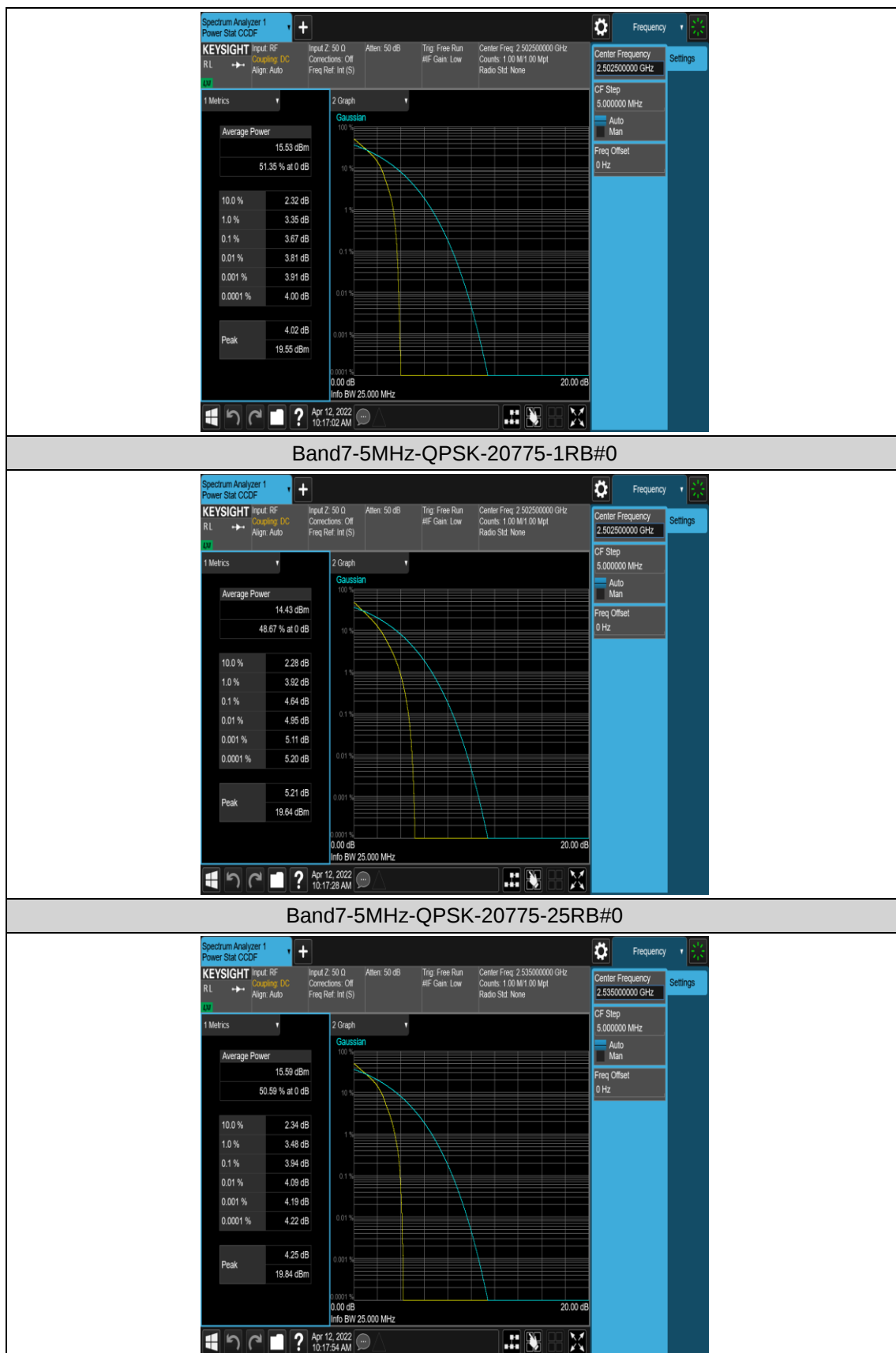
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

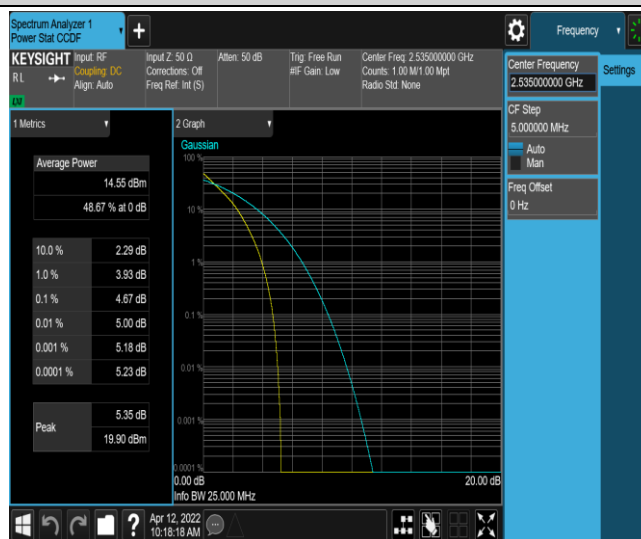
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.67	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.64	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.94	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.67	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.61	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.41	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.85	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.35	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.98	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.32	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.80	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.10	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.84	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.75	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.06	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.63	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.89	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.40	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.86	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.44	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.78	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.40	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.75	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.16	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.92	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.14	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.07	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.01	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.05	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.79	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.63	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.73	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.97	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.54	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.93	13	PASS

Band7	15MHz	16QAM	21375	75RB#0	5.38	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.67	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.07	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.93	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.06	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.01	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.77	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.63	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.85	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.84	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.65	13	PASS
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Band7	20MHz	16QAM	21350	100RB#0	5.55	13	PASS

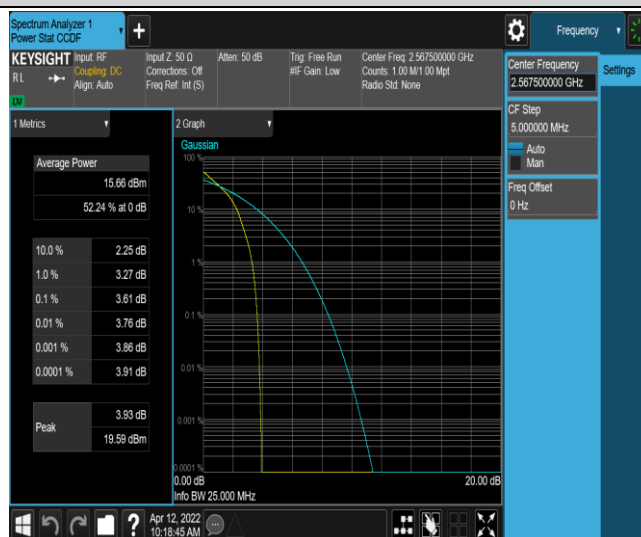
Test Graphs



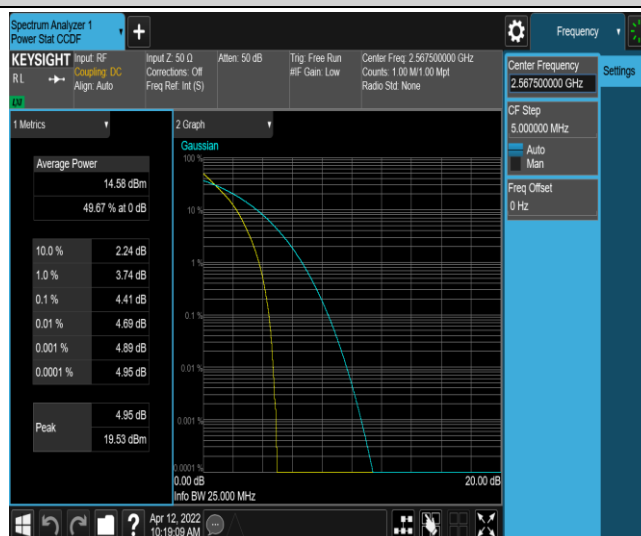
Band7-5MHz-QPSK-21100-1RB#0



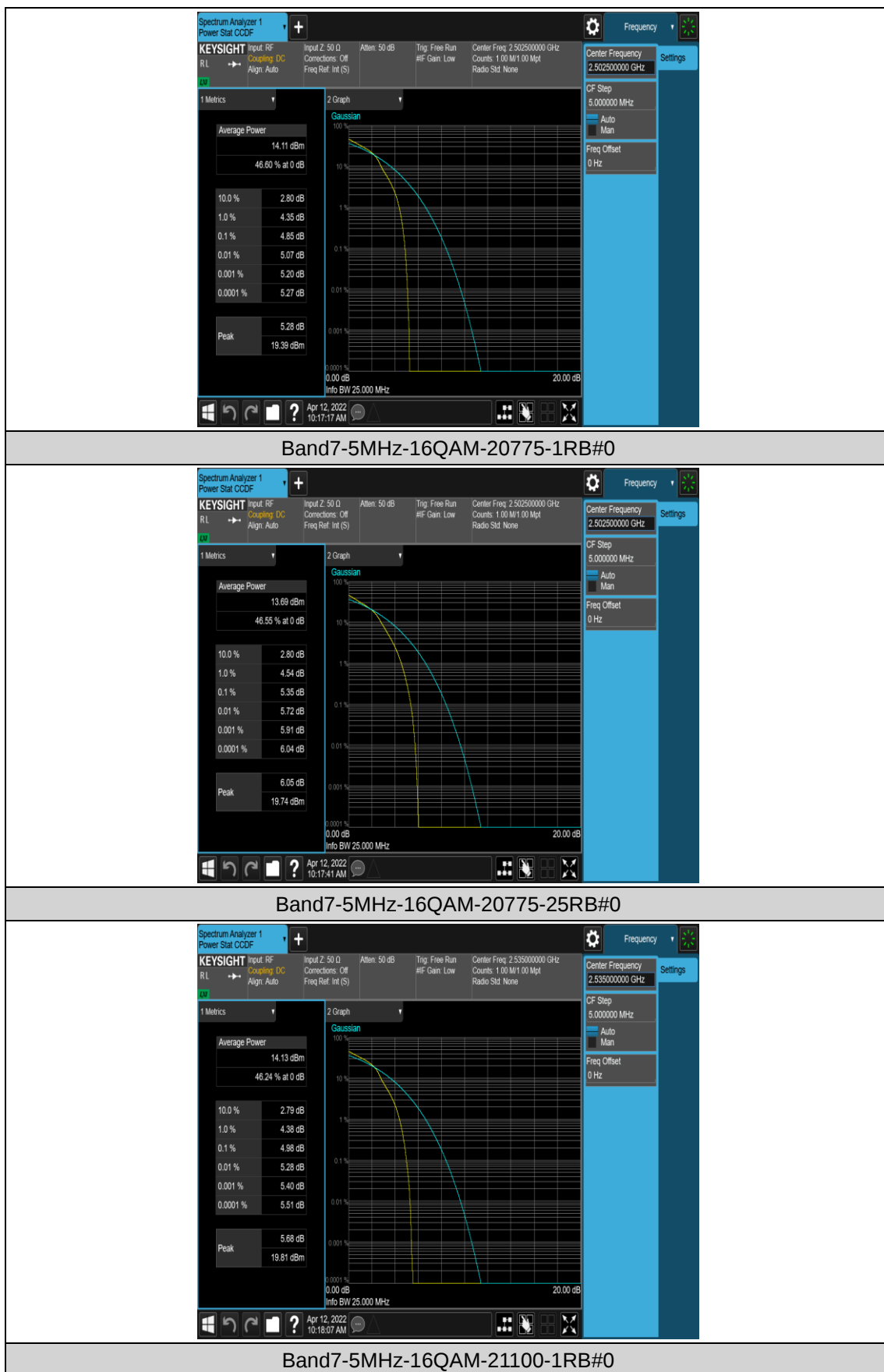
Band7-5MHz-QPSK-21100-25RB#0

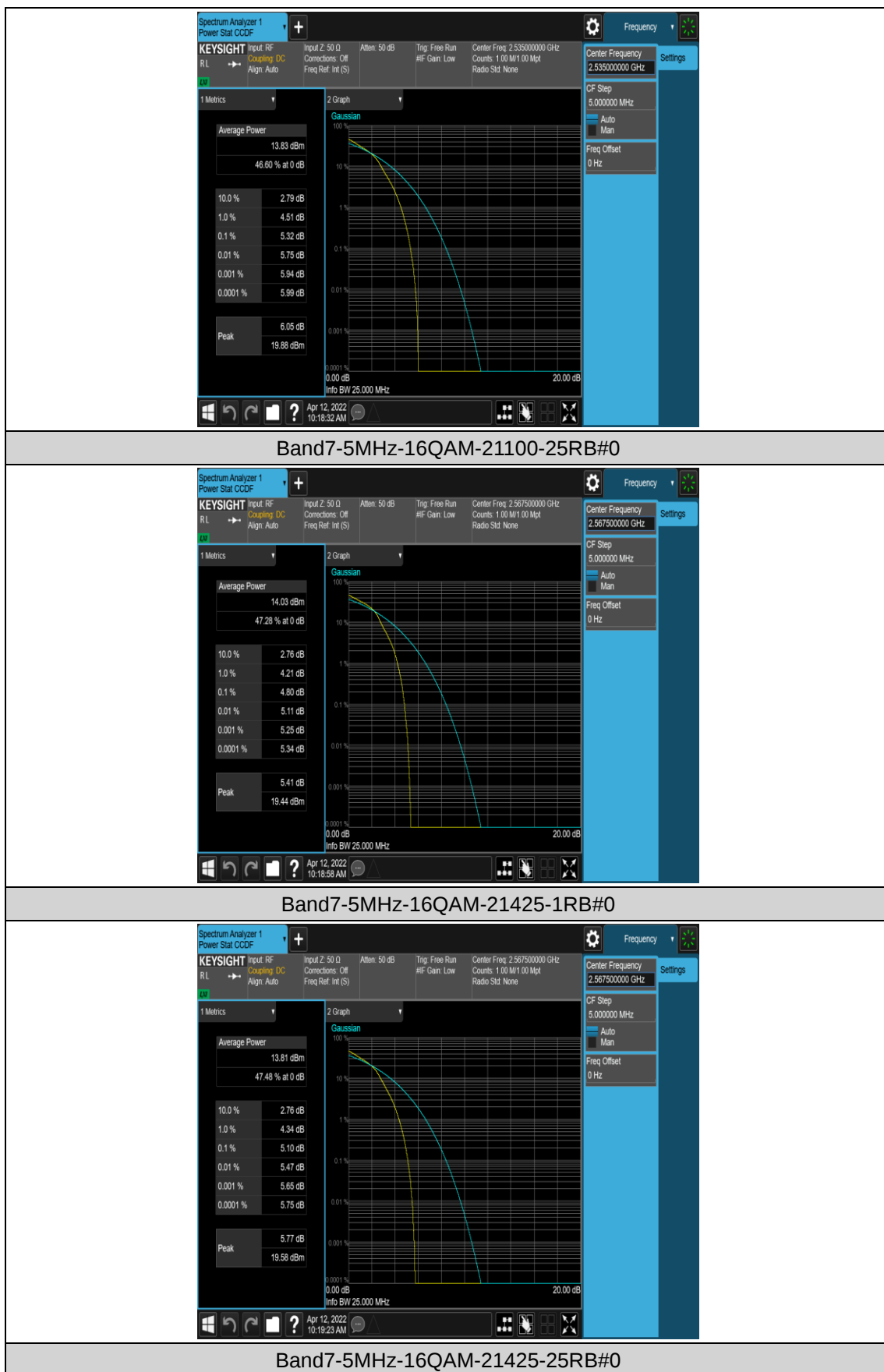


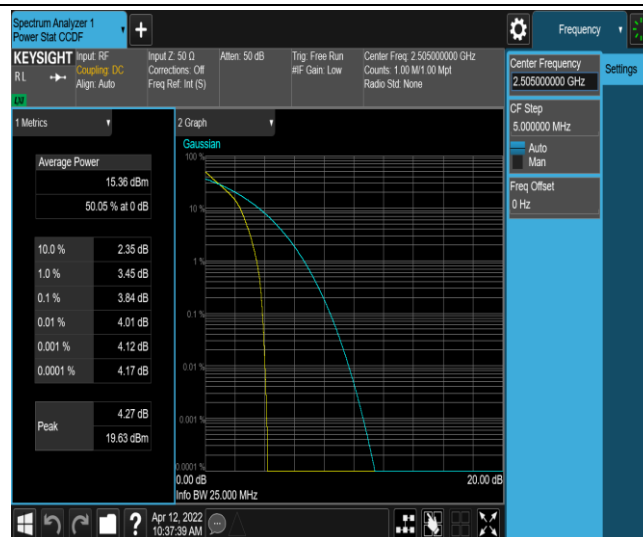
Band7-5MHz-QPSK-21425-1RB#0



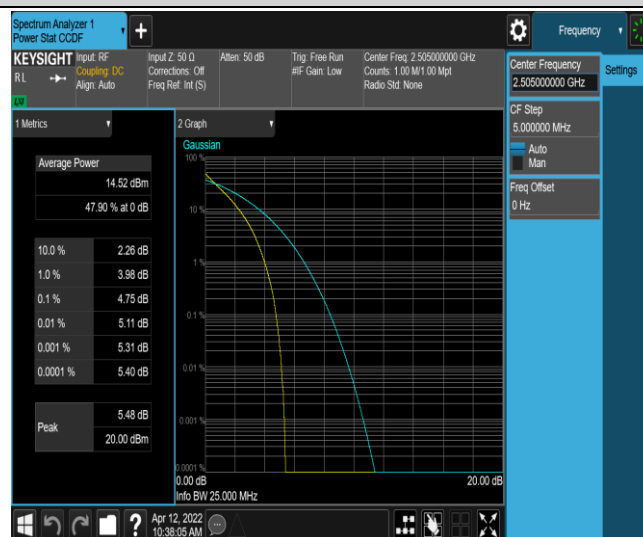
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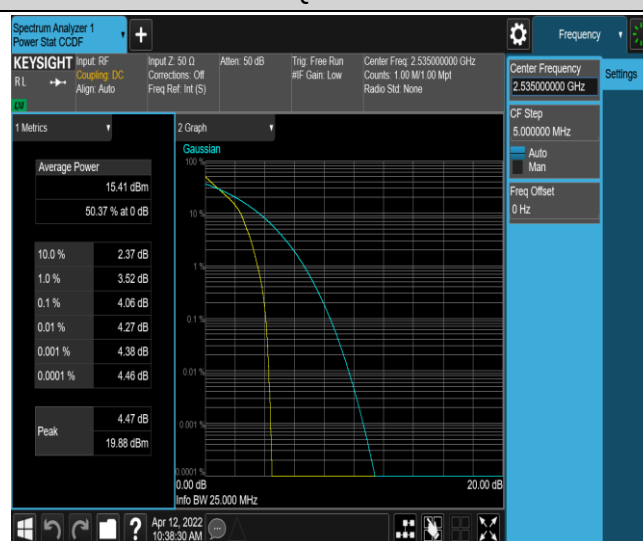




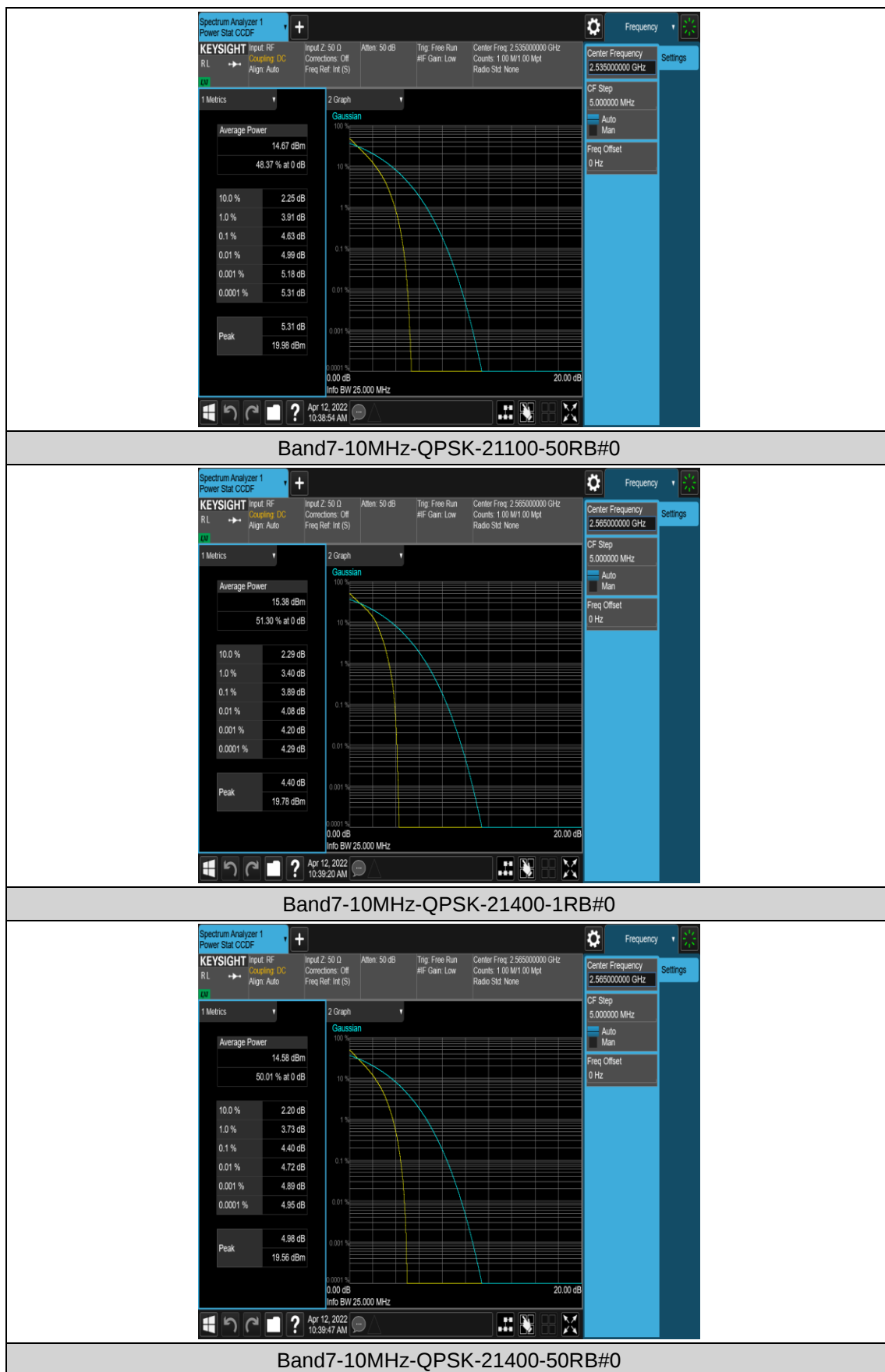
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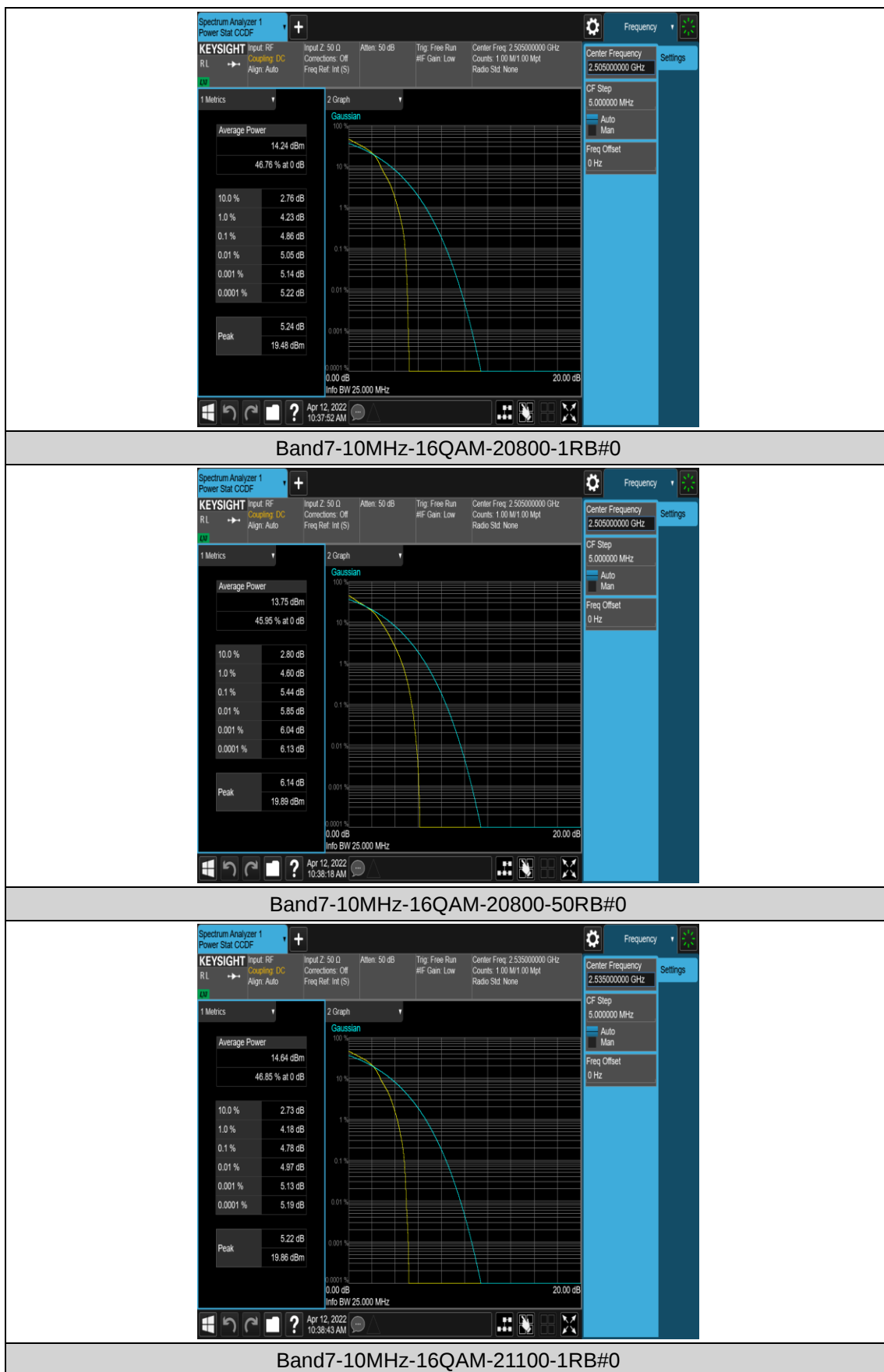


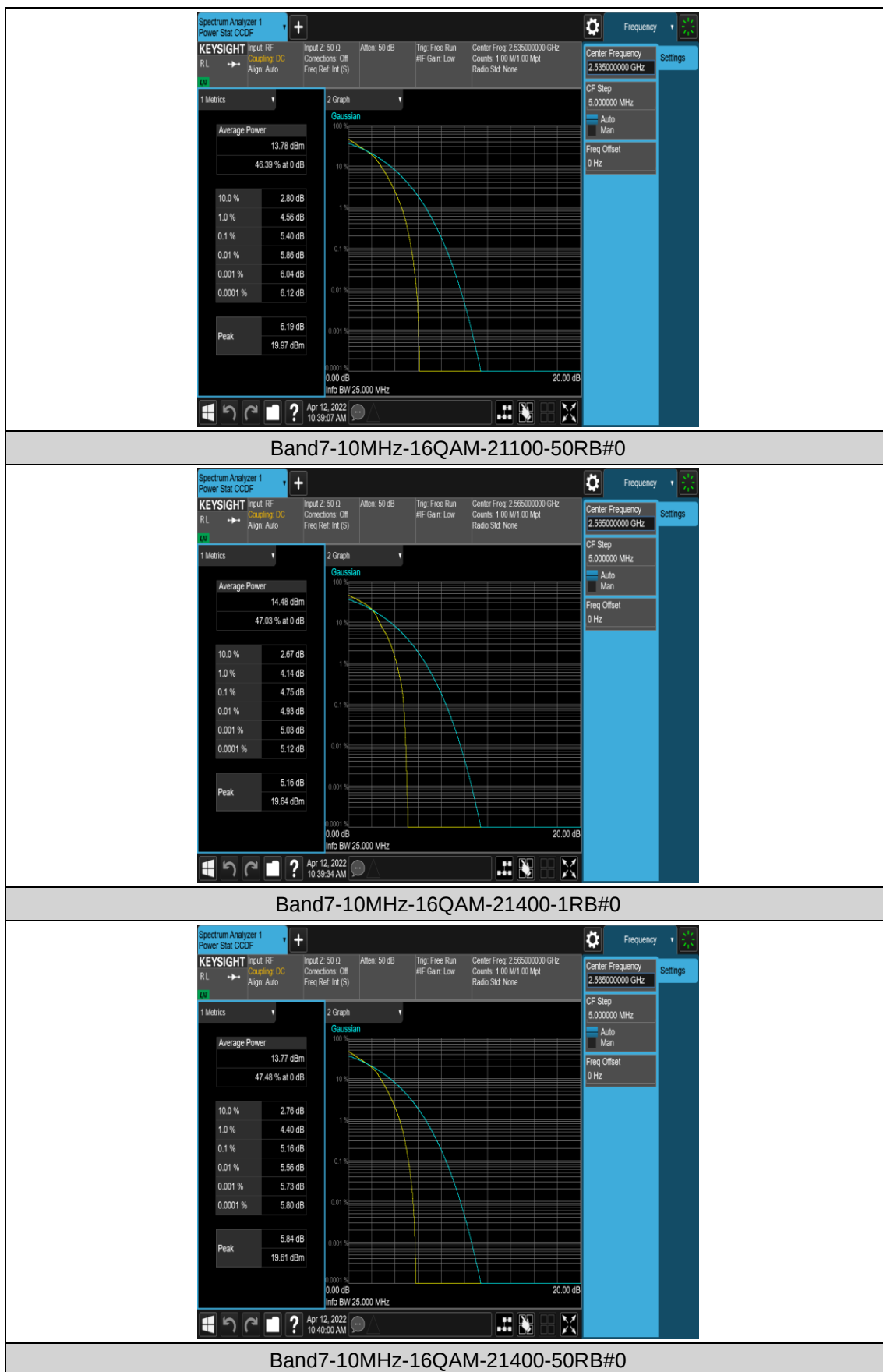
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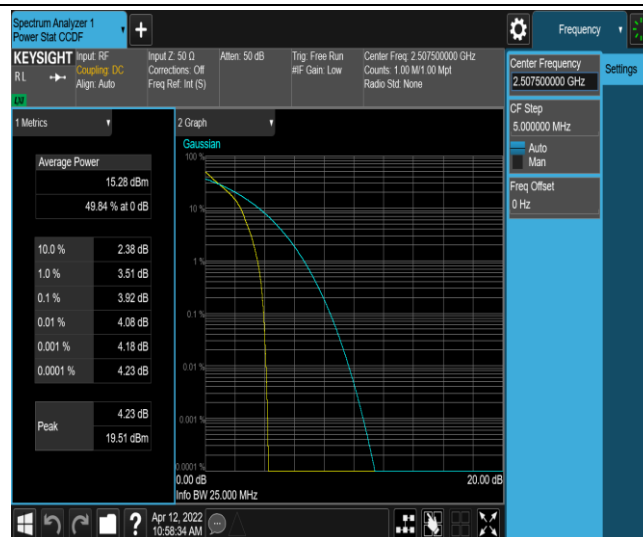


Band7-10MHz-QPSK-21100-1RB#0

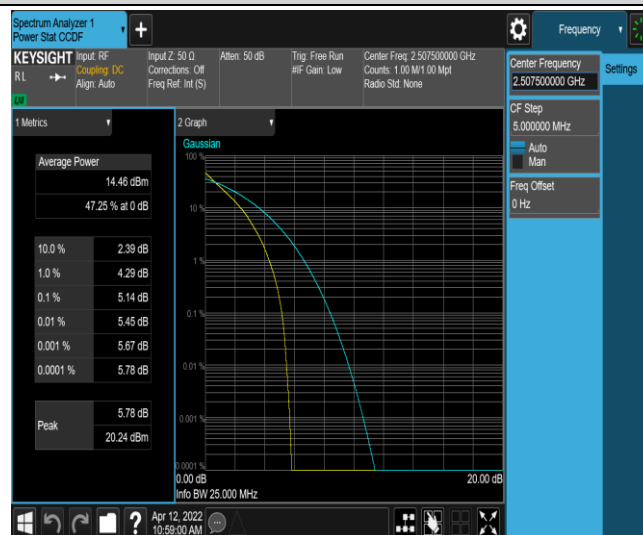




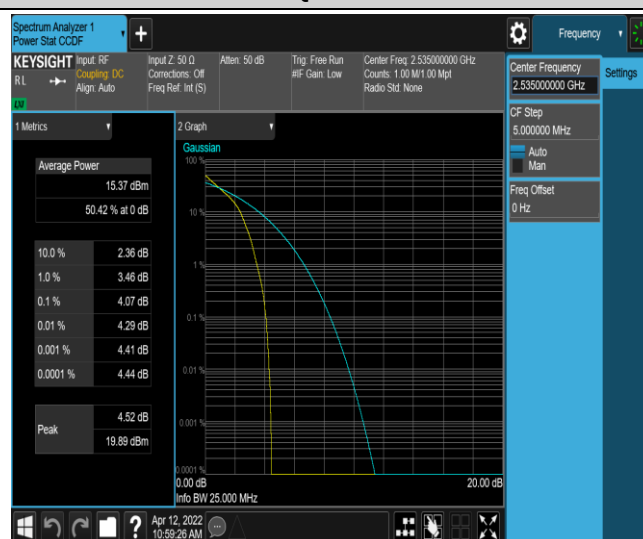




Band7-15MHz-QPSK-20825-1RB#0

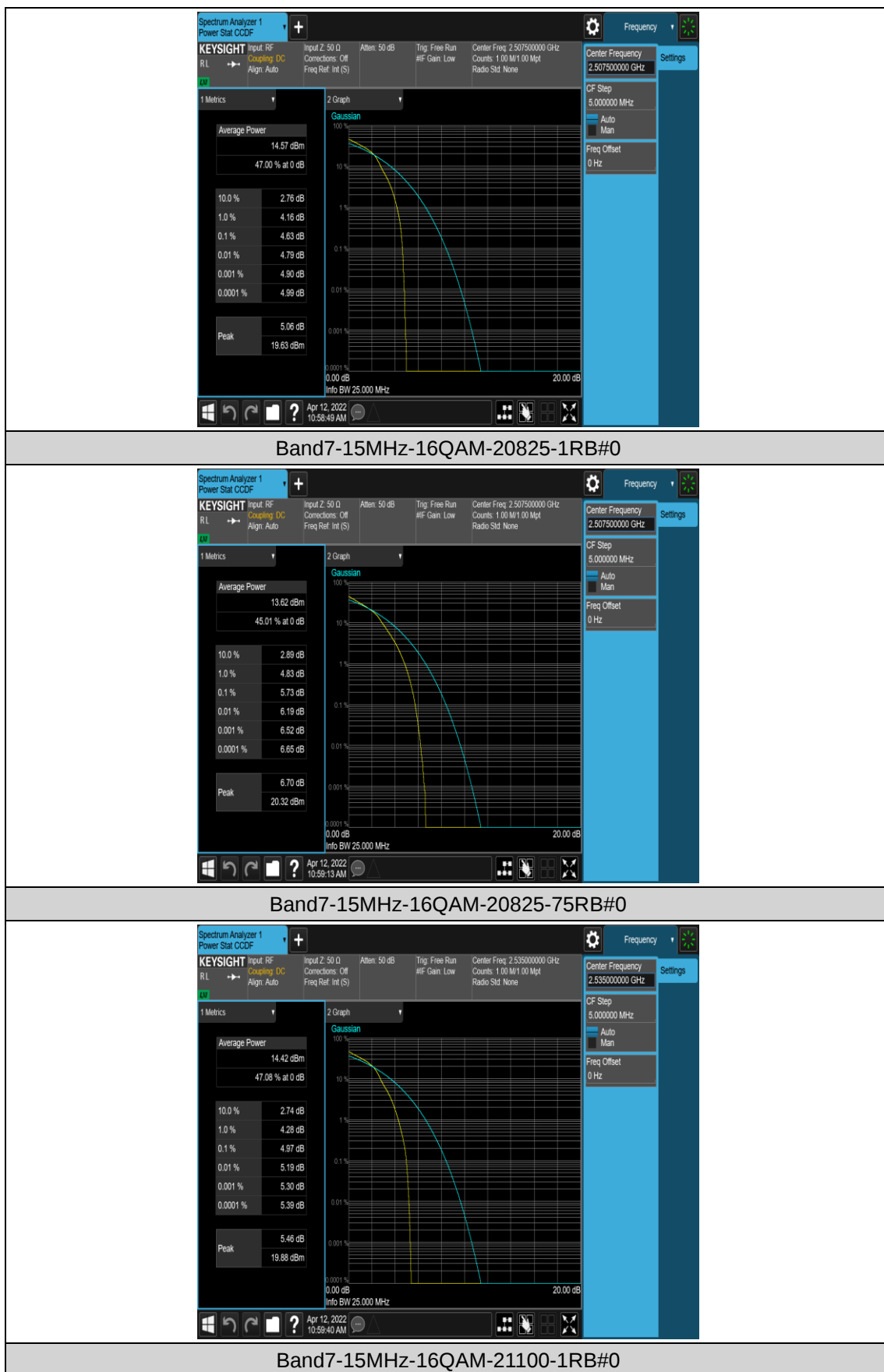


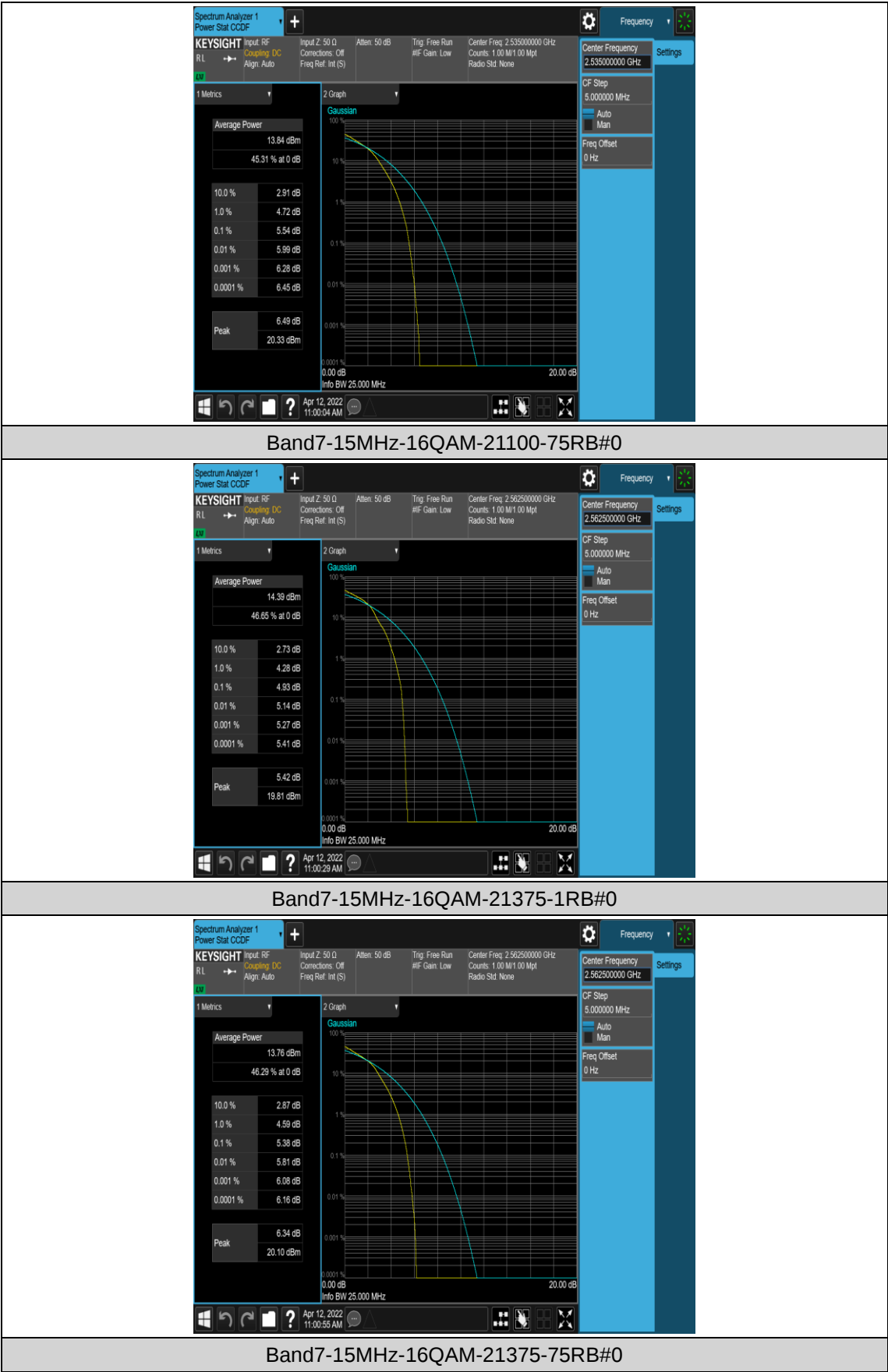
Band7-15MHz-QPSK-20825-75RB#0

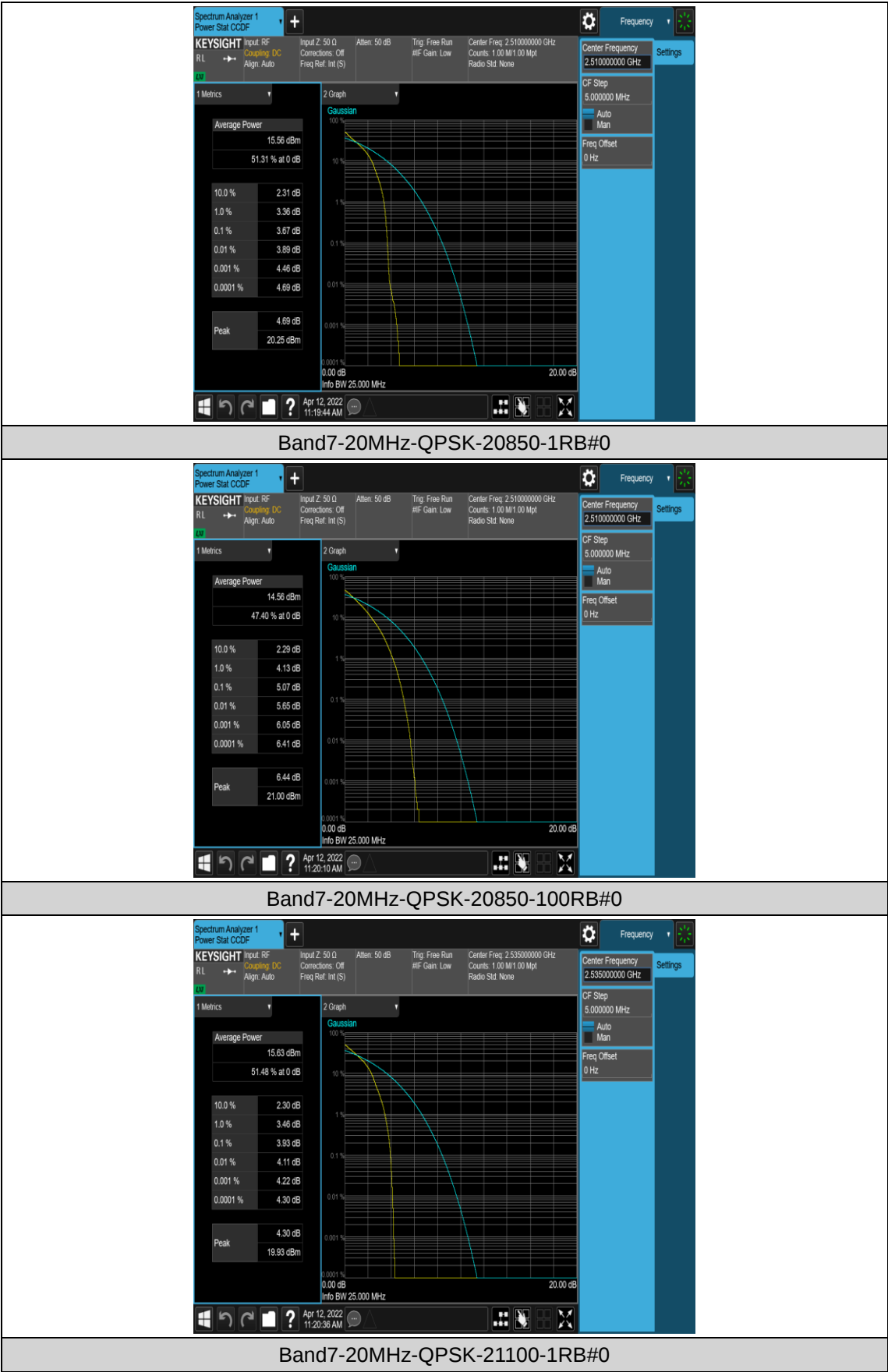


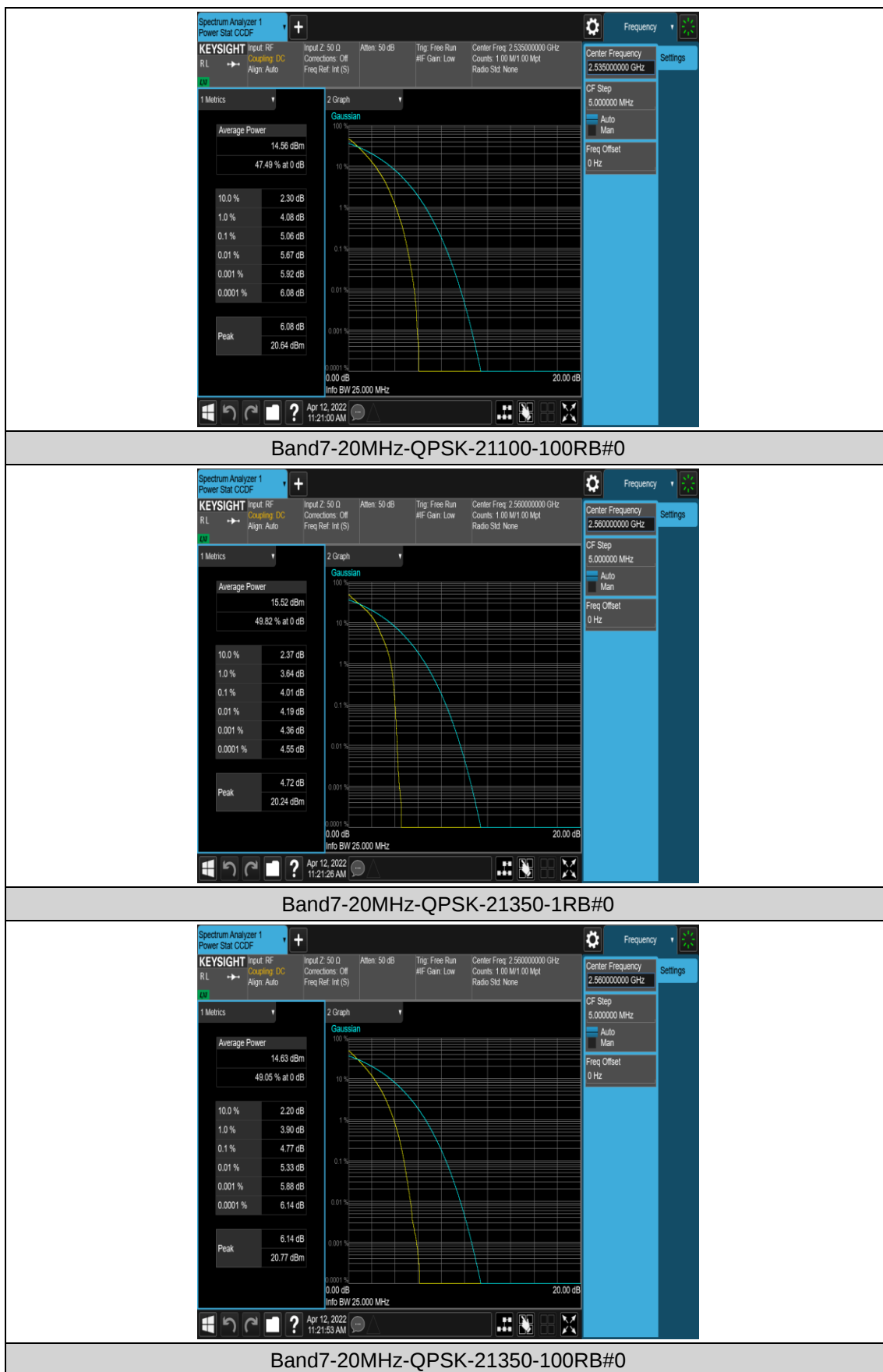
Band7-15MHz-QPSK-21100-1RB#0

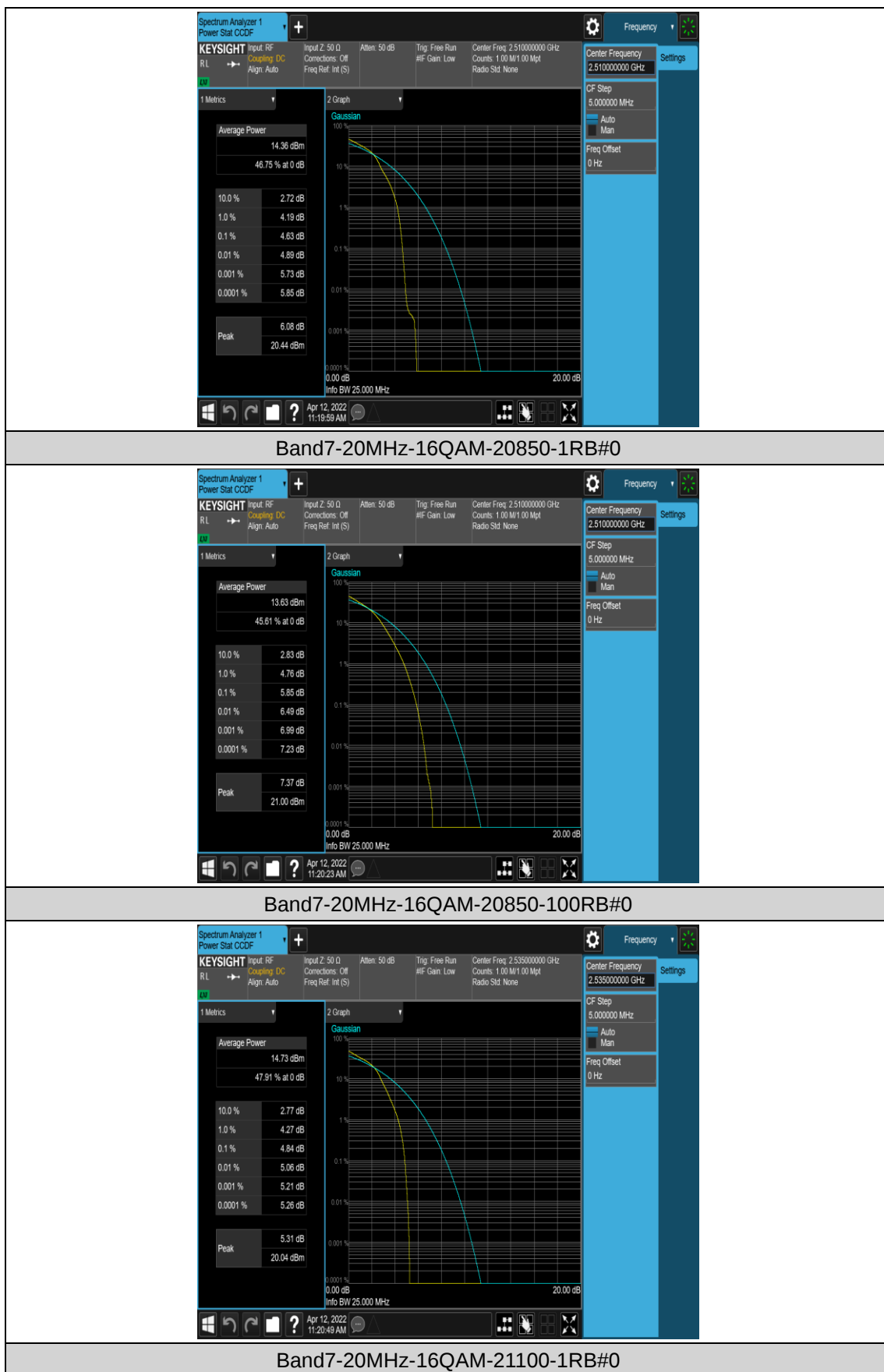


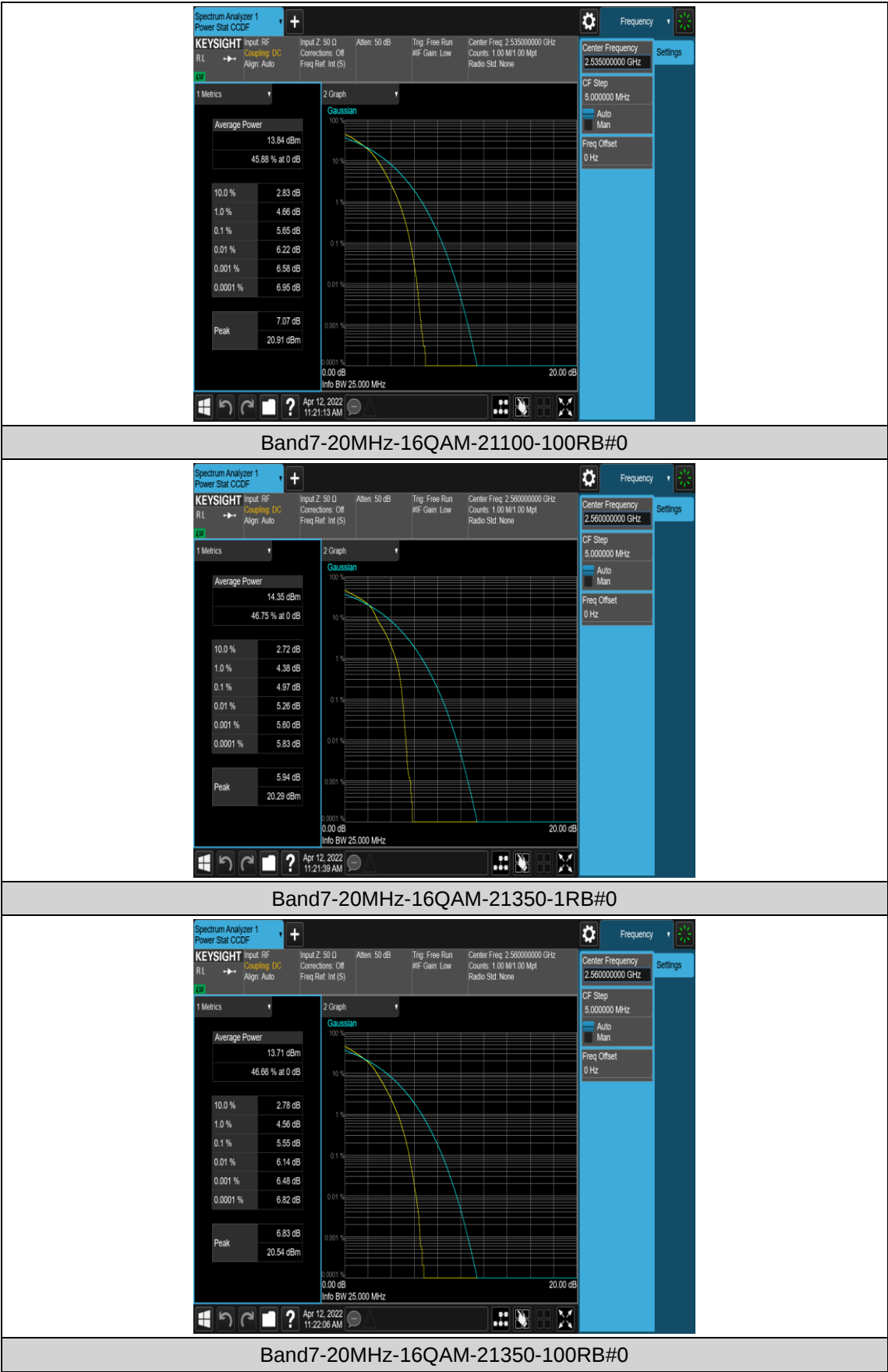












Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4963	4.897	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4929	4.883	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4955	4.877	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4986	4.881	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5017	4.859	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4967	4.868	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9925	9.595	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9851	9.570	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9826	9.569	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9781	9.622	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9707	9.567	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9600	9.625	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.495	14.36	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.464	14.32	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.456	14.32	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.477	14.33	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.455	14.28	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.437	14.29	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.976	19.03	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.932	18.99	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.916	18.97	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.979	19.02	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.950	18.96	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.908	19.01	PASS

Test Graphs

