

Appendix for Band 7

Product Name: 4G Power Socket

Model No: GSMSOCUS4G (EXA)

Appendix A: Average Power Output

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.55	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.56	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.80	PASS
Band7	5MHz	QPSK	20775	12RB#0	20.74	PASS
Band7	5MHz	QPSK	20775	12RB#6	20.50	PASS
Band7	5MHz	QPSK	20775	12RB#13	20.68	PASS
Band7	5MHz	QPSK	20775	25RB#0	20.48	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.66	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.89	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.58	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.77	PASS
Band7	5MHz	QPSK	21100	12RB#6	20.78	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.79	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.83	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.68	PASS
Band7	5MHz	QPSK	21425	1RB#12	20.99	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.86	PASS
Band7	5MHz	QPSK	21425	12RB#0	20.81	PASS
Band7	5MHz	QPSK	21425	12RB#6	20.40	PASS
Band7	5MHz	QPSK	21425	12RB#13	20.91	PASS
Band7	5MHz	QPSK	21425	25RB#0	20.95	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.48	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.53	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.56	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.51	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.50	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.53	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.93	PASS
Band7	5MHz	16QAM	21100	1RB#0	20.76	PASS
Band7	5MHz	16QAM	21100	1RB#12	20.32	PASS
Band7	5MHz	16QAM	21100	1RB#24	20.80	PASS

Band7	5MHz	16QAM	21100	12RB#0	20.93	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.83	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.82	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.99	PASS
Band7	5MHz	16QAM	21425	1RB#0	20.76	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.49	PASS
Band7	5MHz	16QAM	21425	1RB#24	20.77	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.96	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.95	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.82	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.85	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.97	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.46	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.58	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.45	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.51	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.49	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.95	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.70	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.54	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.57	PASS
Band7	10MHz	QPSK	21100	25RB#0	20.45	PASS
Band7	10MHz	QPSK	21100	25RB#12	20.98	PASS
Band7	10MHz	QPSK	21100	25RB#25	20.87	PASS
Band7	10MHz	QPSK	21100	50RB#0	20.96	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.43	PASS
Band7	10MHz	QPSK	21400	1RB#24	20.48	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.83	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.45	PASS
Band7	10MHz	QPSK	21400	25RB#12	20.42	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.41	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.44	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.58	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.56	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.47	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.54	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.51	PASS

Band7	10MHz	16QAM	20800	25RB#25	20.45	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.97	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.91	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.24	PASS
Band7	10MHz	16QAM	21100	1RB#49	20.73	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.43	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.41	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.78	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.48	PASS
Band7	10MHz	16QAM	21400	1RB#0	20.60	PASS
Band7	10MHz	16QAM	21400	1RB#24	20.37	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.45	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.97	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.47	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.48	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.49	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.40	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.98	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.82	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.48	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.64	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.38	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.85	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.93	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.80	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.44	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.06	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.38	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.57	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.84	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.43	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.37	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.73	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.36	PASS
Band7	15MHz	QPSK	21375	38RB#18	20.56	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.88	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.51	PASS

Band7	15MHz	16QAM	20825	1RB#0	20.98	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.72	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.41	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.85	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.71	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.42	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.51	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.59	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.83	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.51	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.54	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.88	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.53	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.63	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.55	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.59	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.85	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.82	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.49	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.90	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.56	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.40	PASS
Band7	20MHz	QPSK	20850	1RB#49	20.68	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.72	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.99	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.91	PASS
Band7	20MHz	QPSK	20850	50RB#50	20.87	PASS
Band7	20MHz	QPSK	20850	100RB#0	20.94	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.96	PASS
Band7	20MHz	QPSK	21100	1RB#49	20.87	PASS
Band7	20MHz	QPSK	21100	1RB#99	20.70	PASS
Band7	20MHz	QPSK	21100	50RB#0	20.96	PASS
Band7	20MHz	QPSK	21100	50RB#25	20.93	PASS
Band7	20MHz	QPSK	21100	50RB#50	20.78	PASS
Band7	20MHz	QPSK	21100	100RB#0	20.88	PASS
Band7	20MHz	QPSK	21350	1RB#0	20.94	PASS
Band7	20MHz	QPSK	21350	1RB#49	20.87	PASS

Band7	20MHz	QPSK	21350	1RB#99	20.93	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.61	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.72	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.96	PASS
Band7	20MHz	QPSK	21350	100RB#0	20.52	PASS
Band7	20MHz	16QAM	20850	1RB#0	20.98	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.72	PASS
Band7	20MHz	16QAM	20850	1RB#99	20.56	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.63	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.77	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.52	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.77	PASS
Band7	20MHz	16QAM	21100	1RB#0	20.96	PASS
Band7	20MHz	16QAM	21100	1RB#49	20.66	PASS
Band7	20MHz	16QAM	21100	1RB#99	20.76	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.83	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.92	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.90	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.80	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.42	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.50	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.76	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.75	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.43	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.55	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.95	PASS

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

Test Result

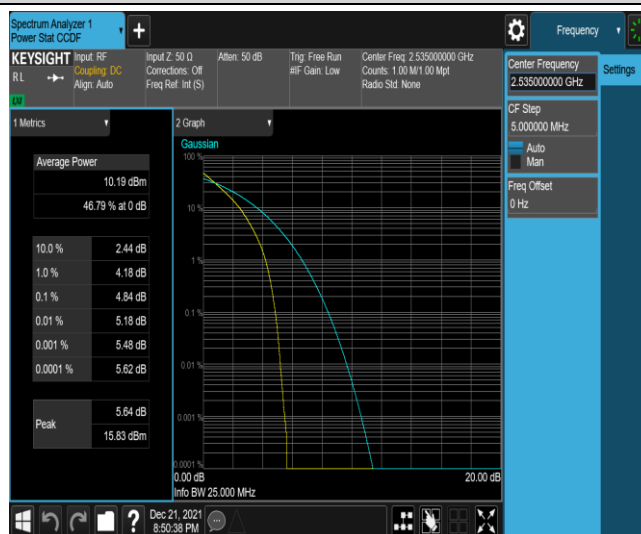
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.51	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.46	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.83	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.84	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.84	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.91	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.15	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.30	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.73	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.69	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.75	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.74	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.36	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.68	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.72	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.86	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.76	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.86	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.40	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.57	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.61	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.73	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.57	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.76	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.44	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.97	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.68	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.92	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.82	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.06	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.37	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.71	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.53	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.78	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.69	13	PASS

Band7	15MHz	16QAM	21375	75RB#0	5.85	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.41	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.03	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.68	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.78	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.86	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.10	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.35	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.87	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.61	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.70	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.73	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.89	13	PASS

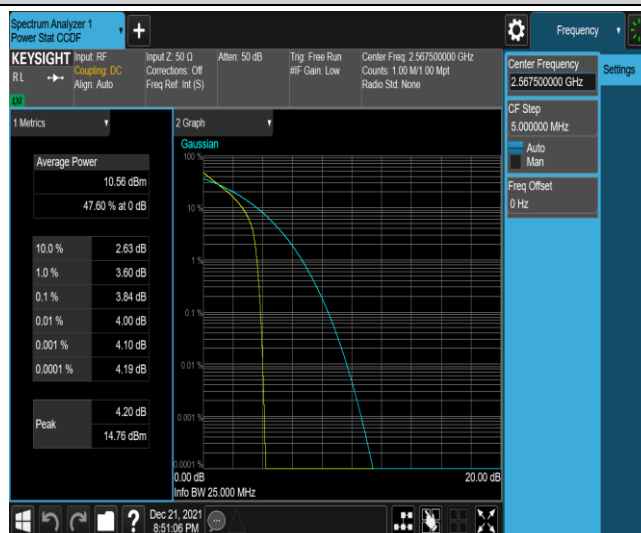
Test Graphs



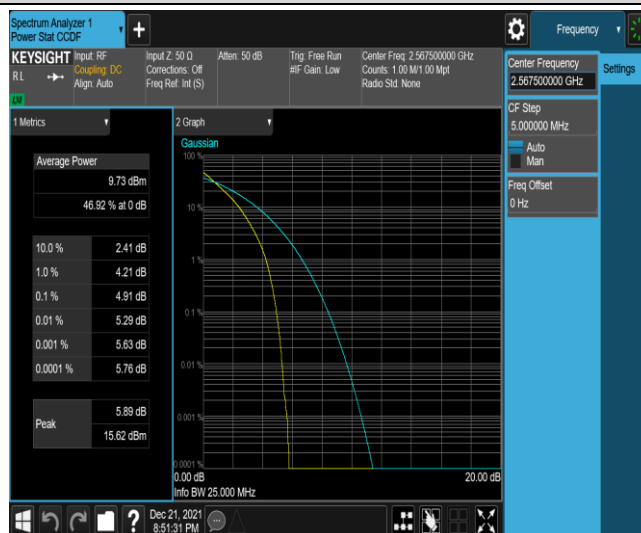
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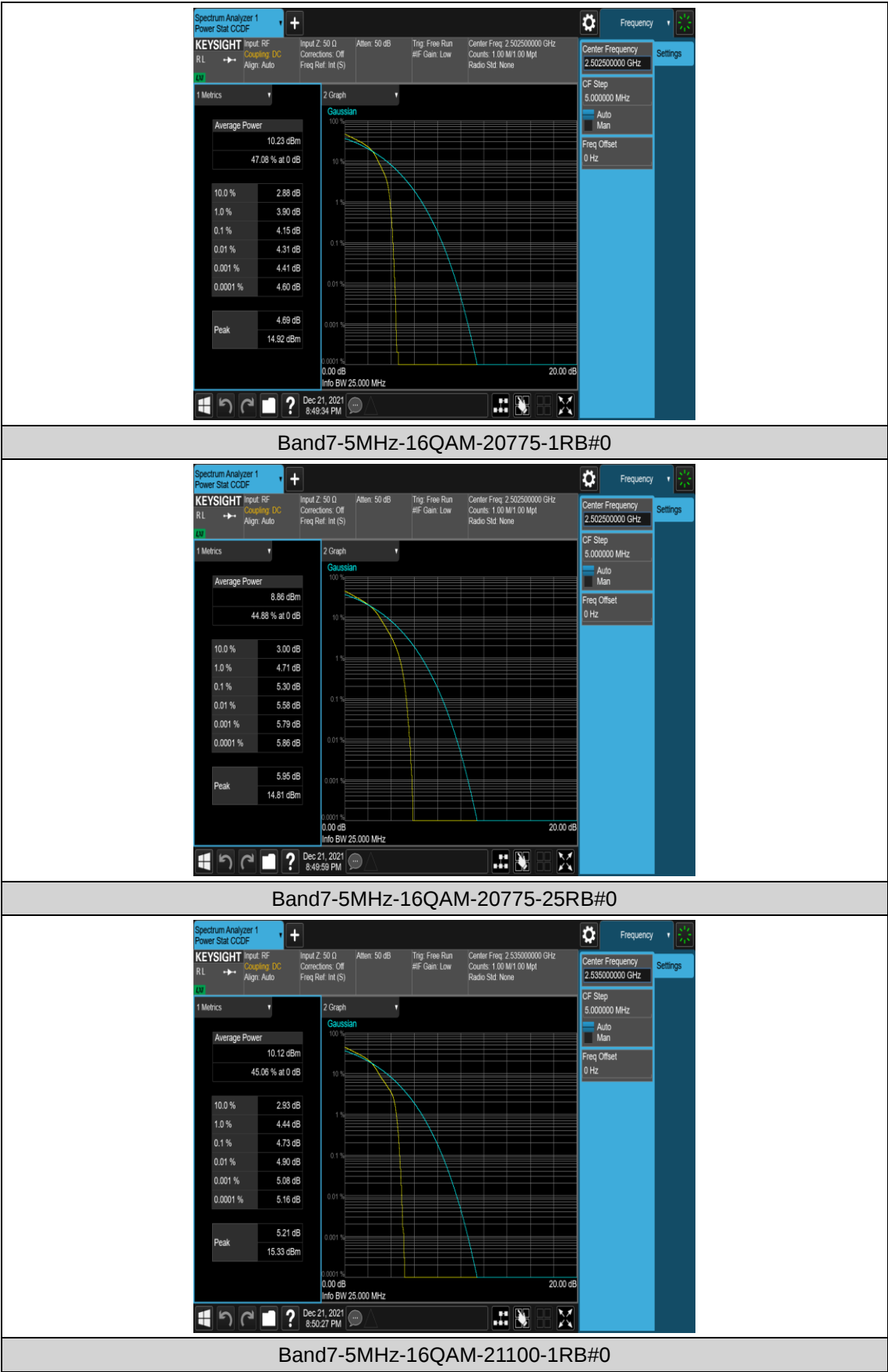
Band7-5MHz-QPSK-21100-25RB#0

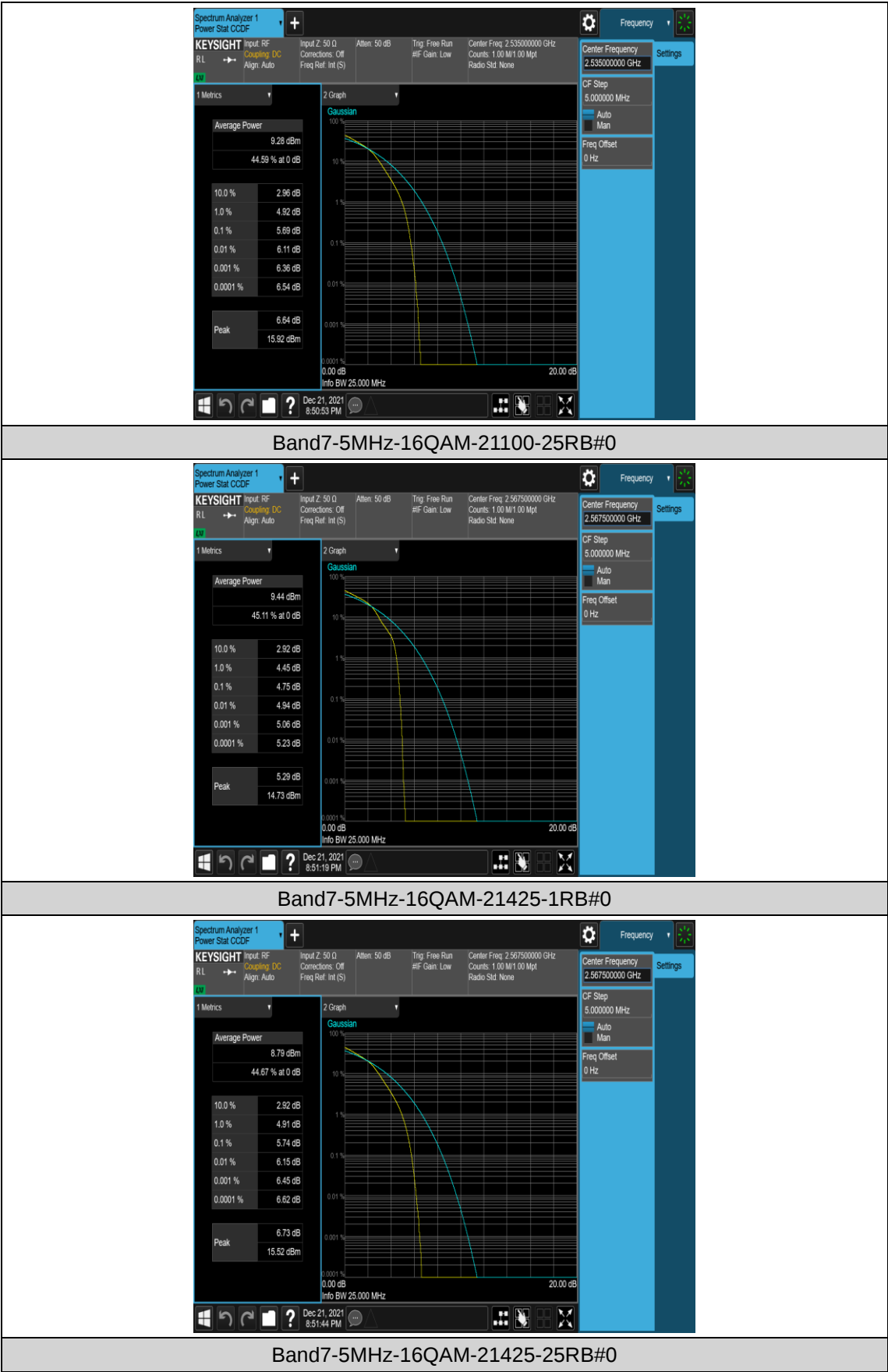


Band7-5MHz-QPSK-21425-1RB#0



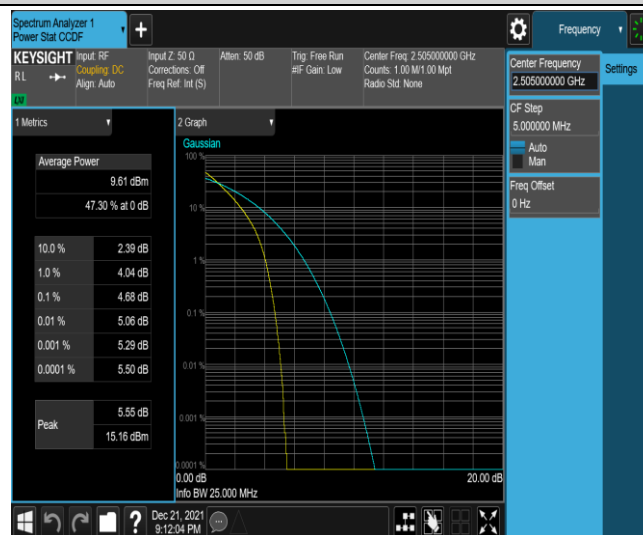
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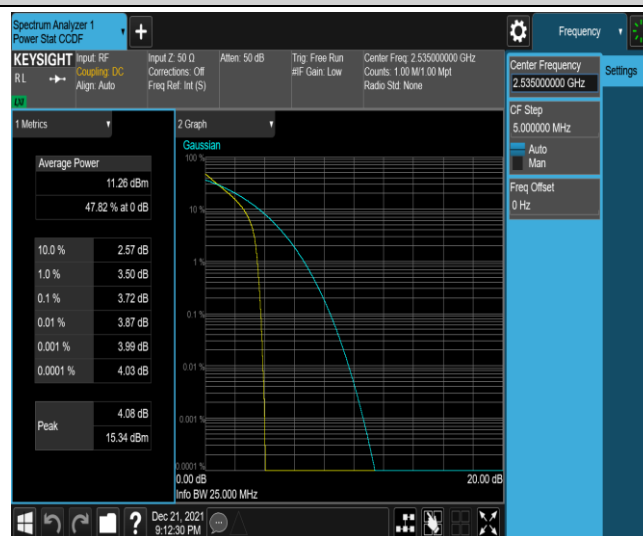




Band7-10MHz-QPSK-20800-1RB#0

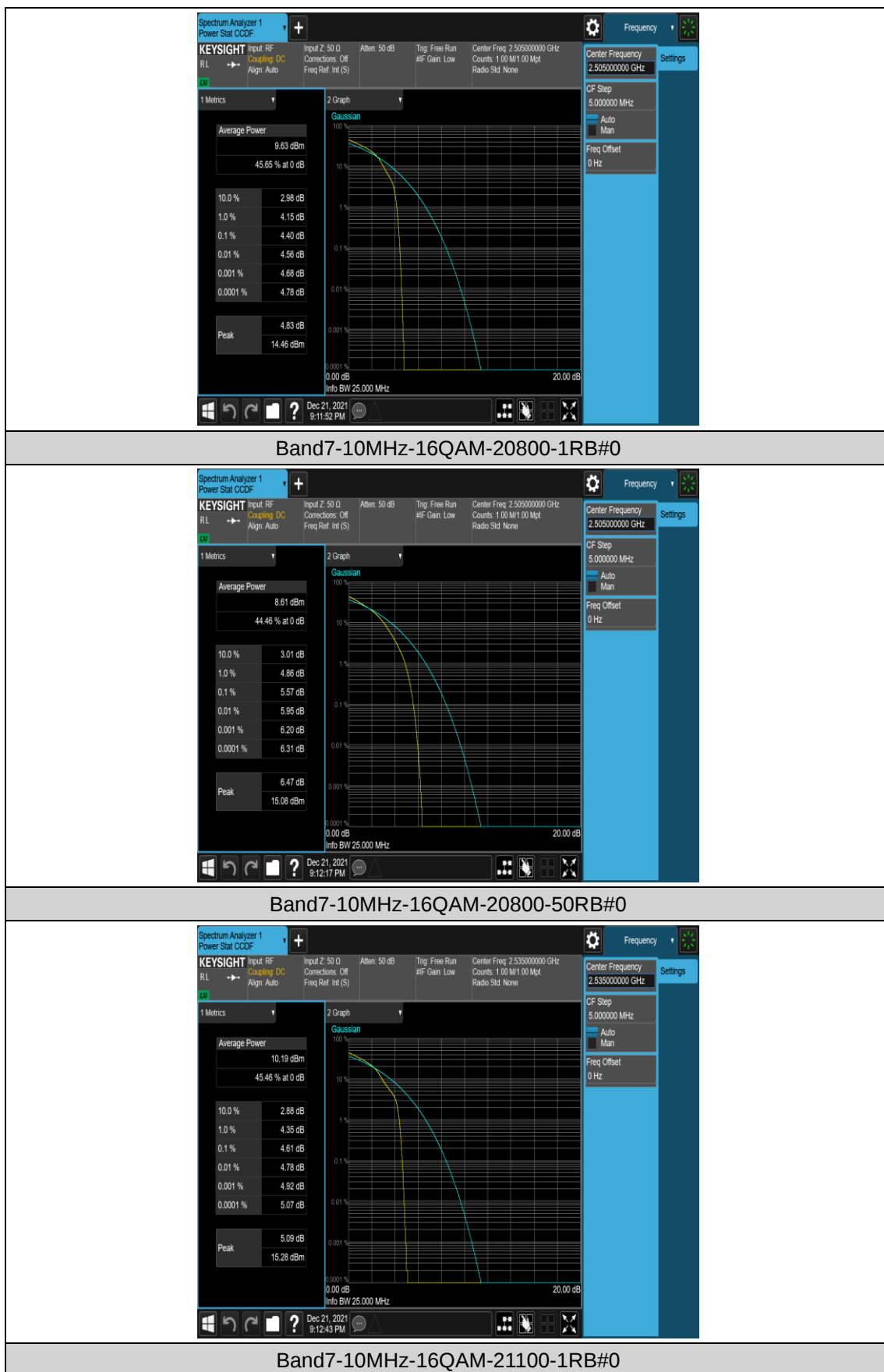


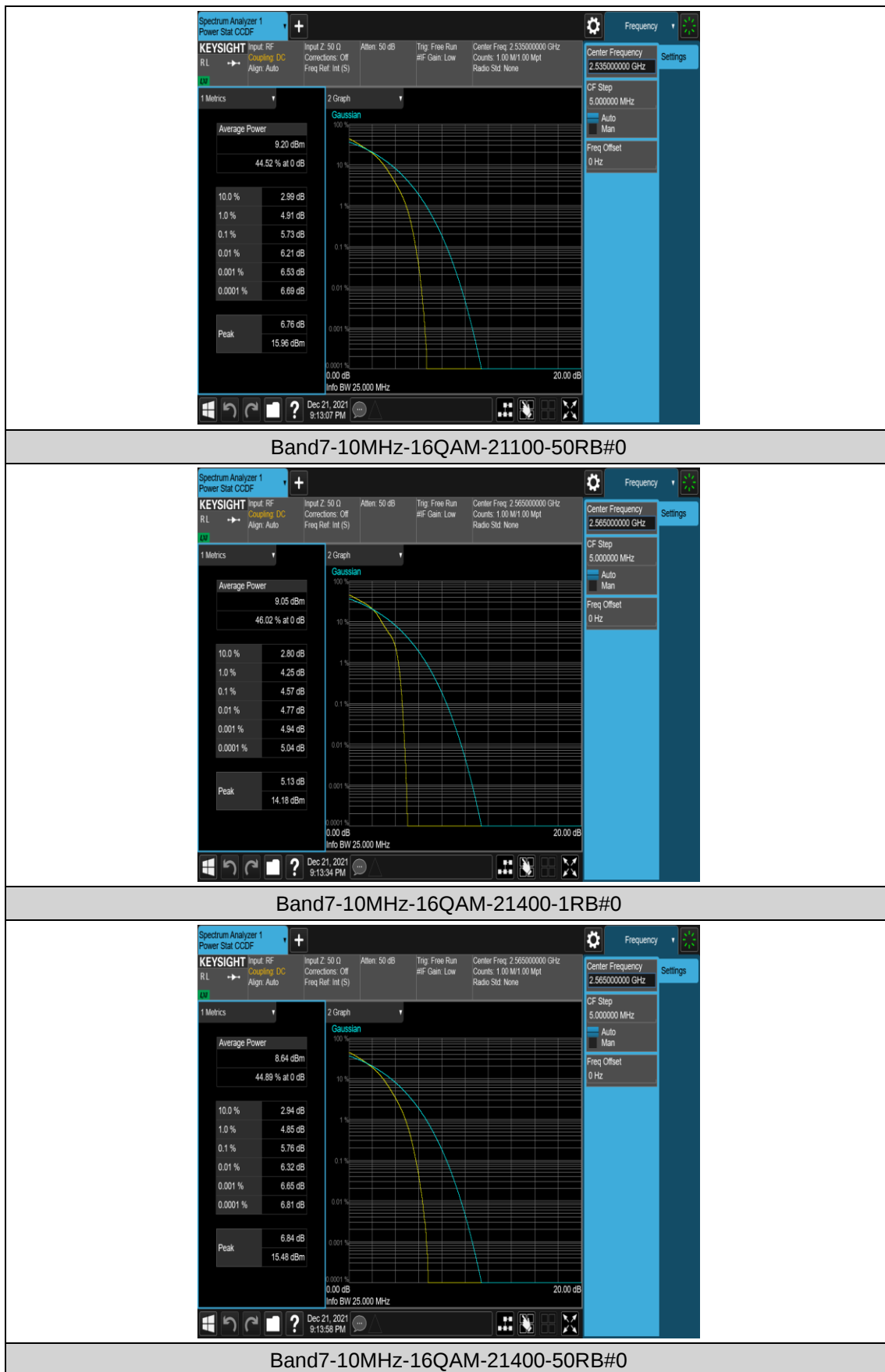
Band7-10MHz-QPSK-20800-50RB#0

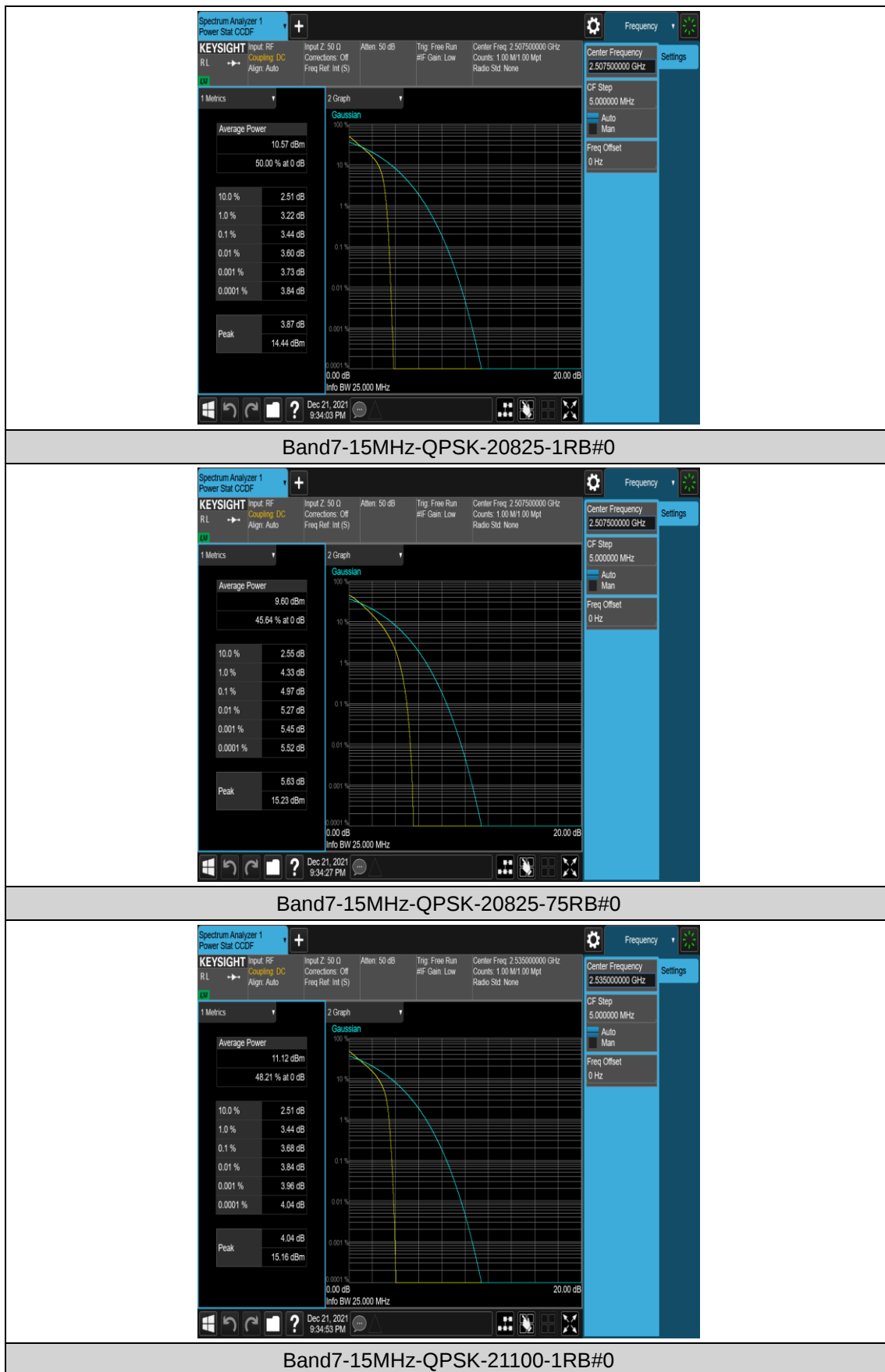


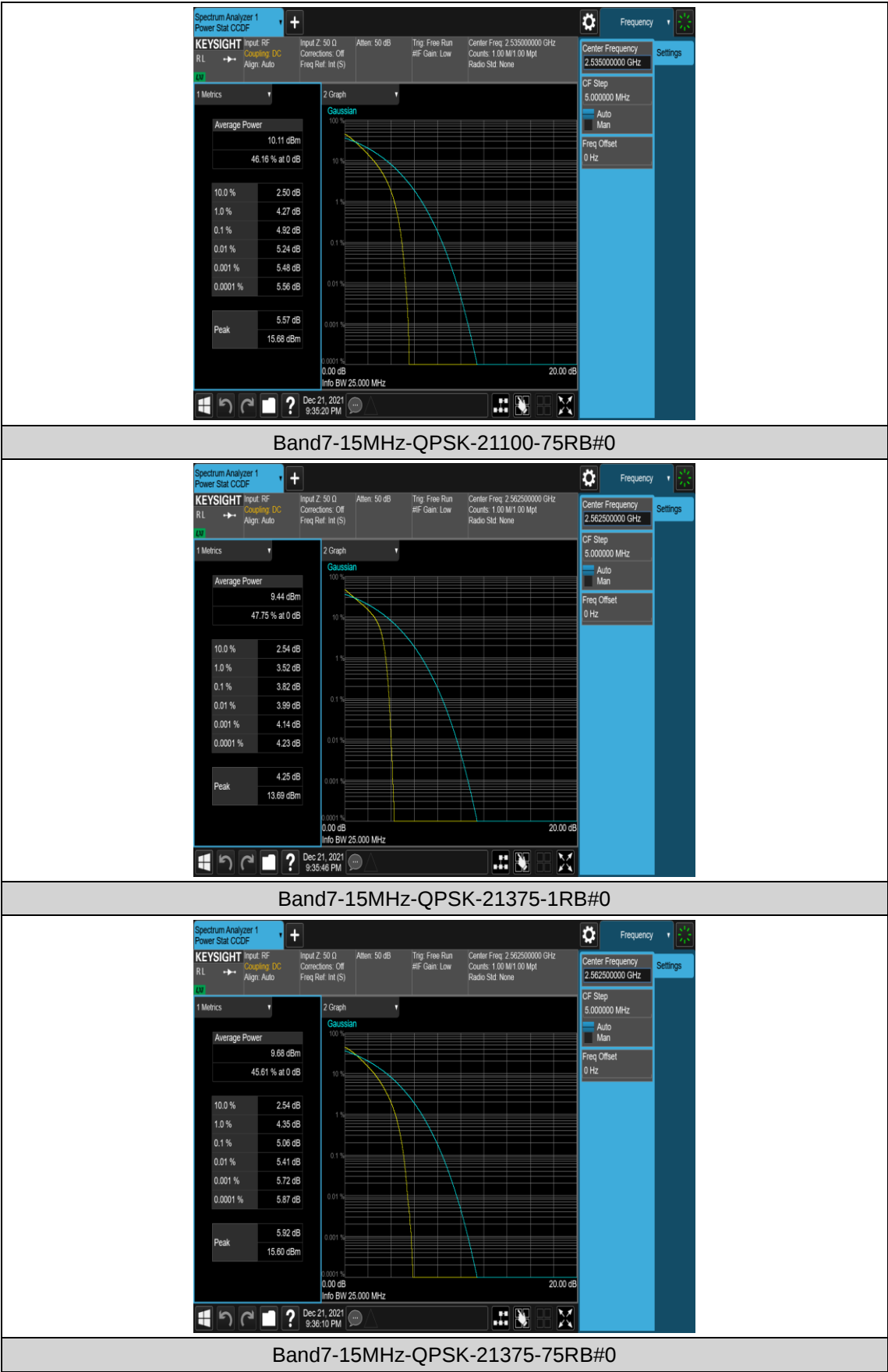
Band7-10MHz-QPSK-21100-1RB#0

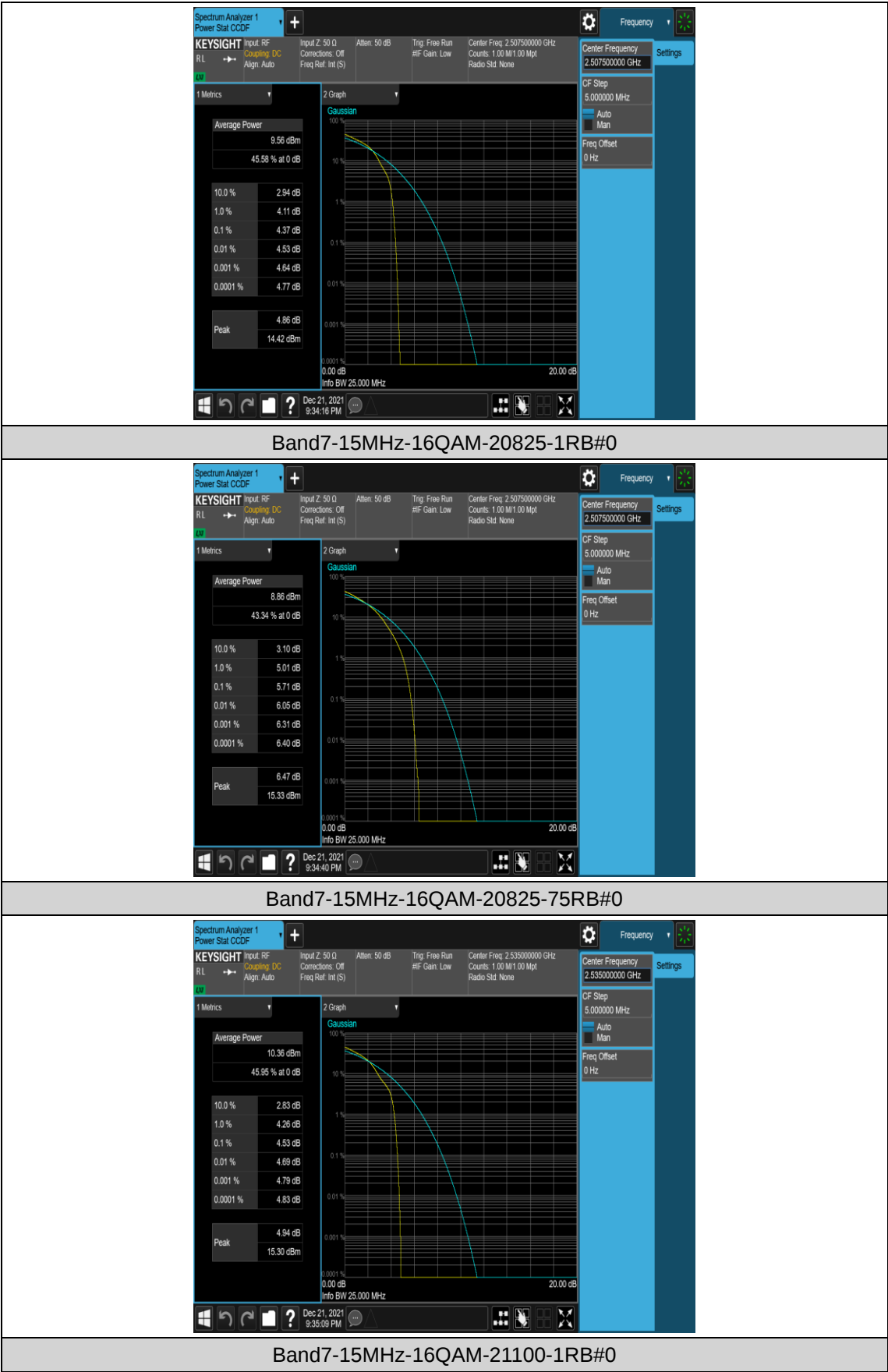


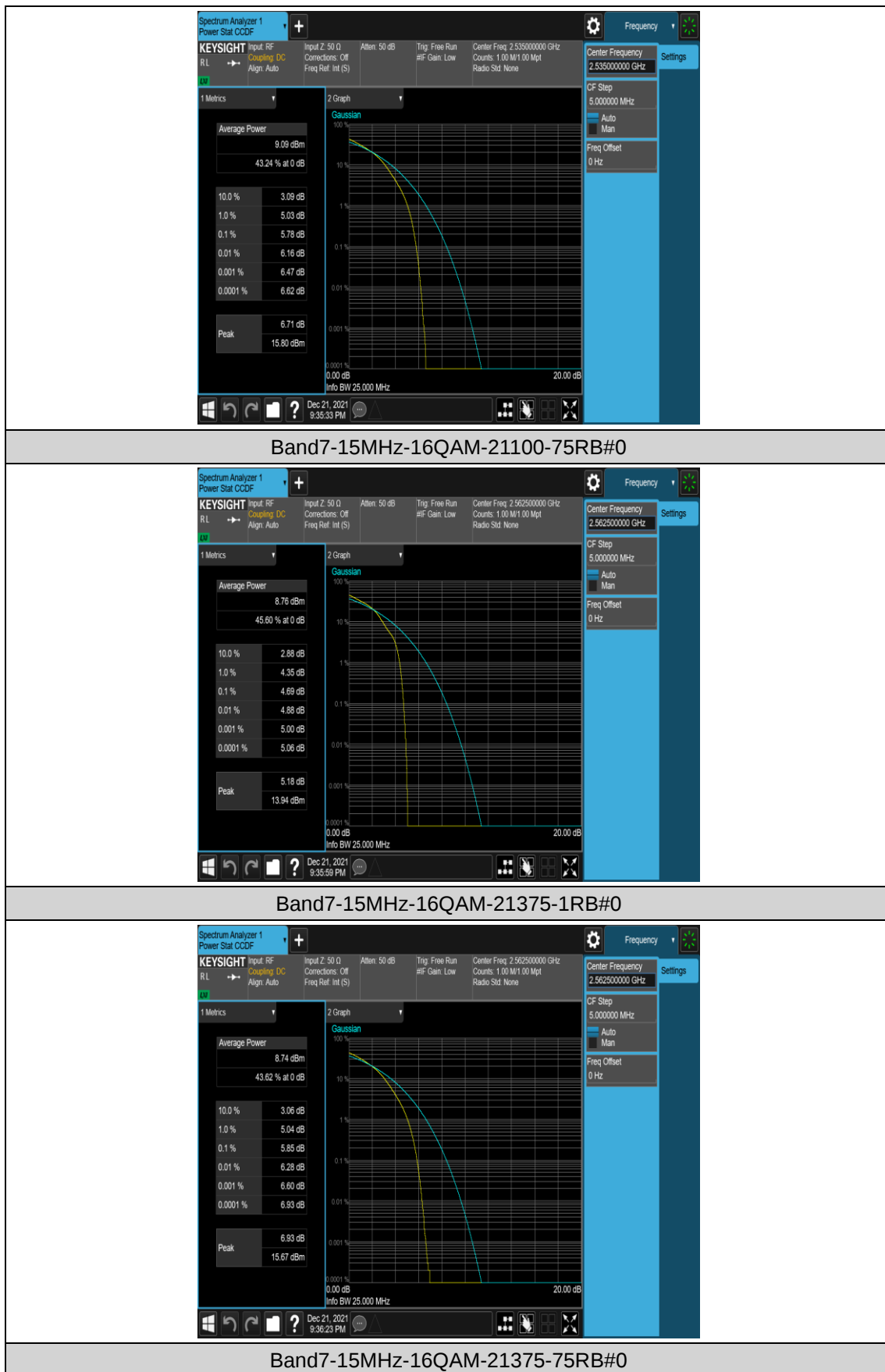






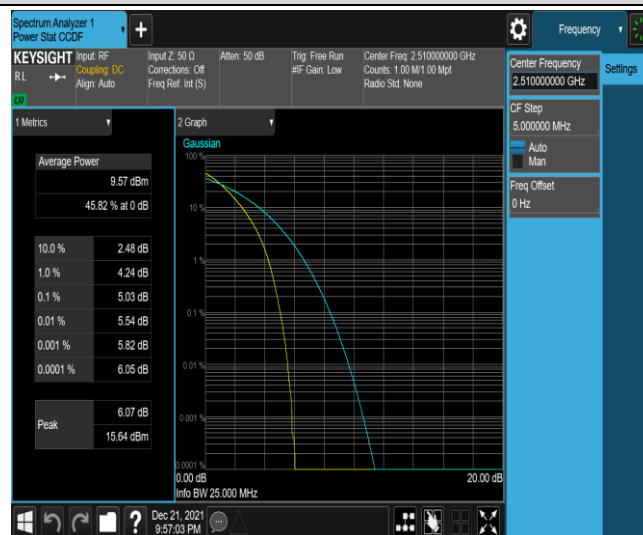




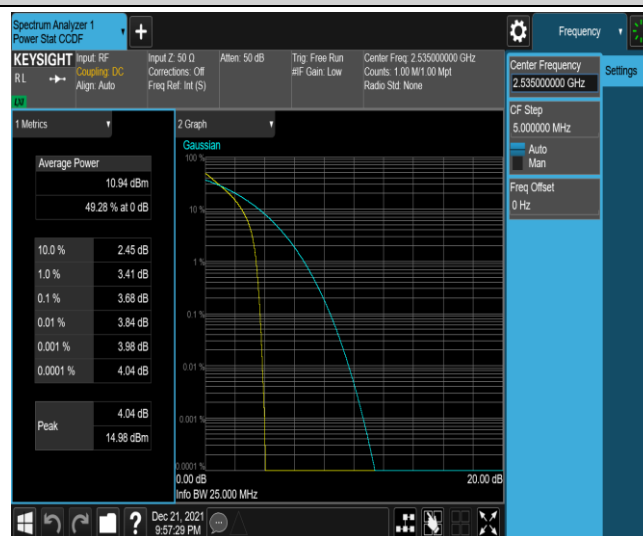




Band7-20MHz-QPSK-20850-1RB#0



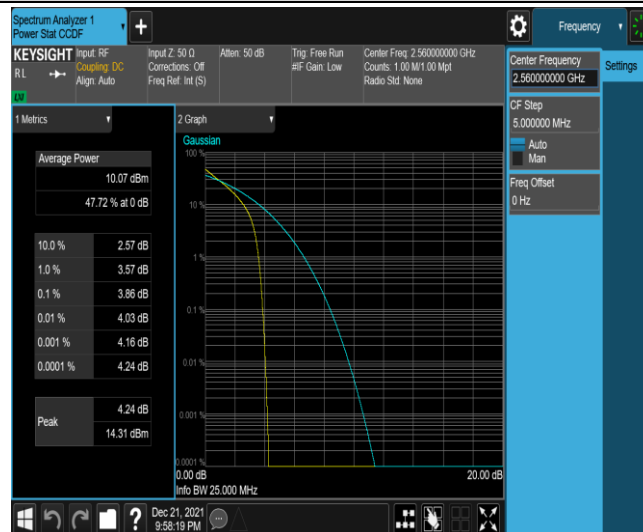
Band7-20MHz-QPSK-20850-100RB#0



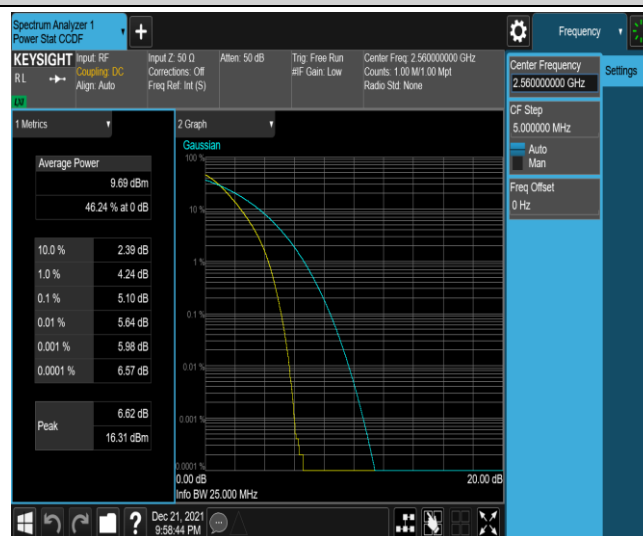
Band7-20MHz-QPSK-21100-1RB#0



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-1RB#0



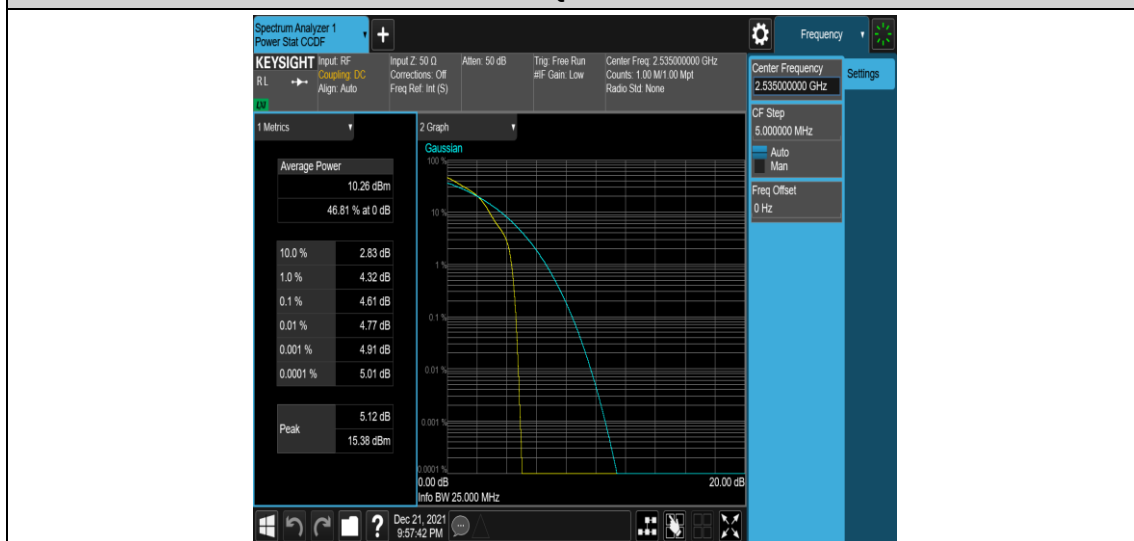
Band7-20MHz-QPSK-21350-100RB#0



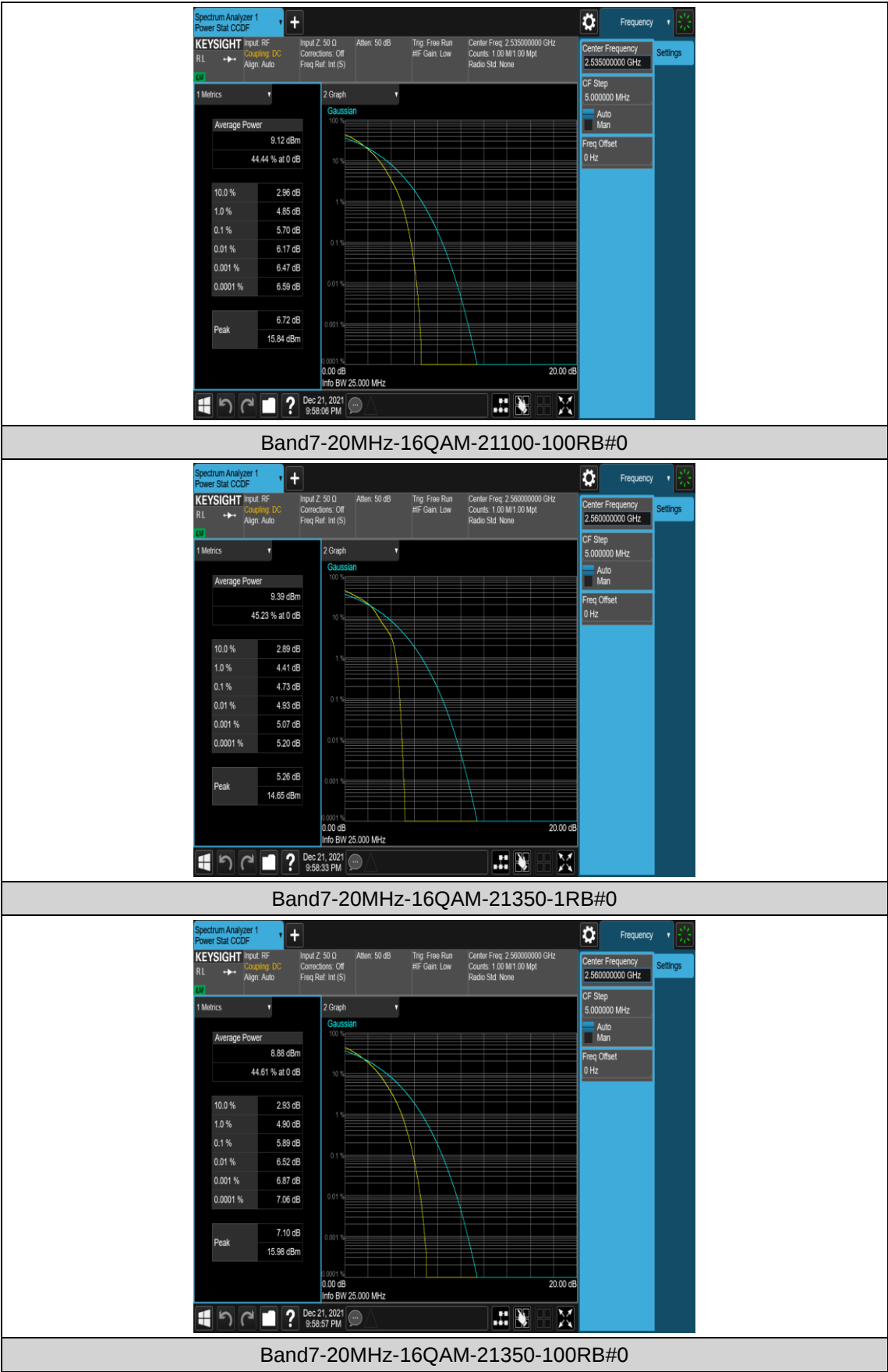
Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-1RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

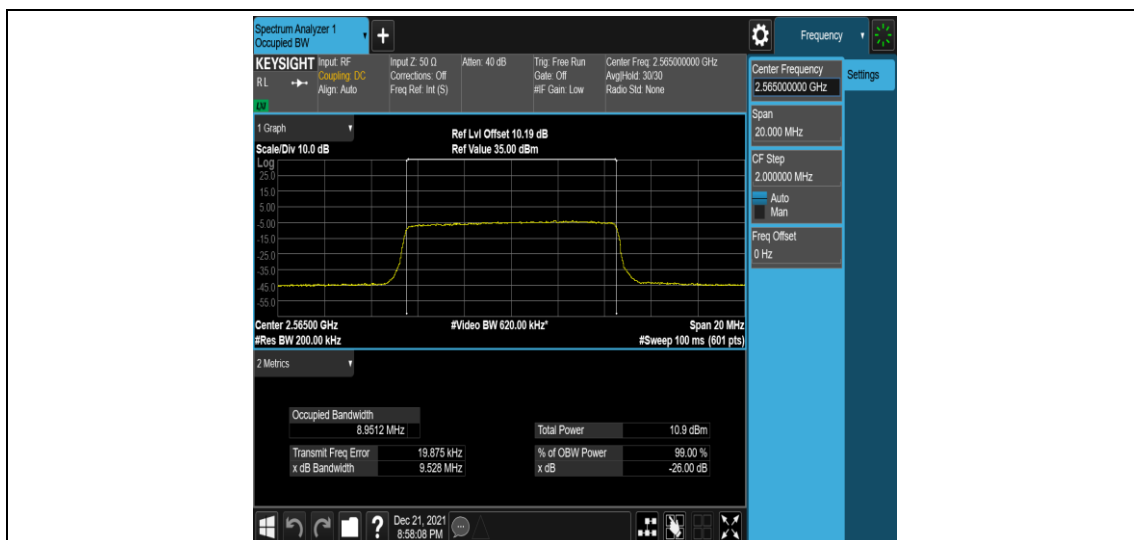
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4986	4.893	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4993	4.898	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4976	4.891	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5008	4.855	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4995	4.858	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4987	4.859	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9476	9.550	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9526	9.505	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9512	9.528	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9366	9.539	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9409	9.505	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9445	9.510	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.431	14.26	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.410	14.28	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.454	14.27	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.422	14.24	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.394	14.22	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.448	14.25	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.899	18.95	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.796	18.92	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.943	18.96	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.897	18.96	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.817	18.90	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.950	18.96	PASS

Test Graphs

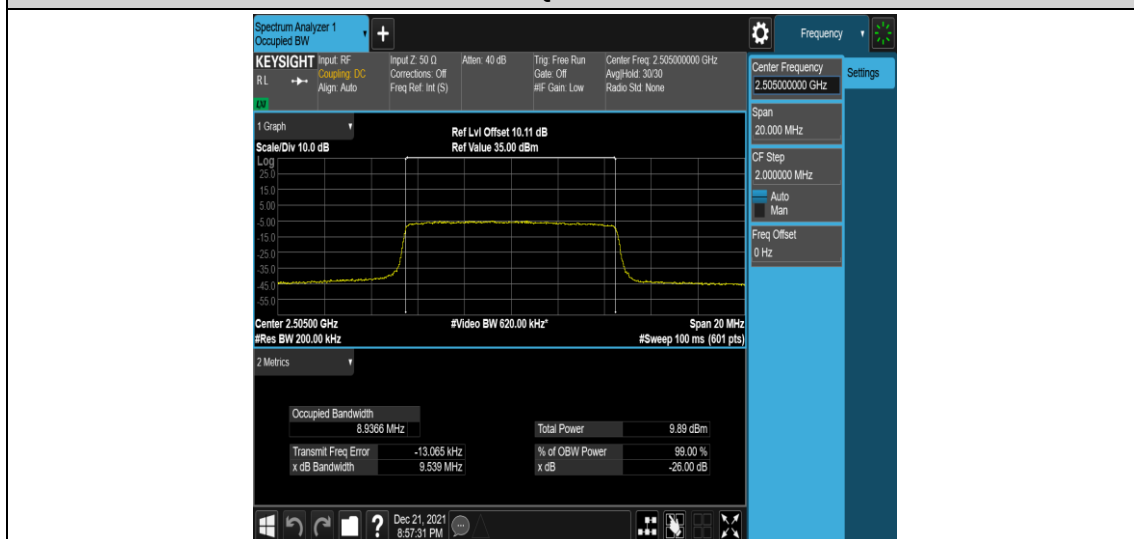




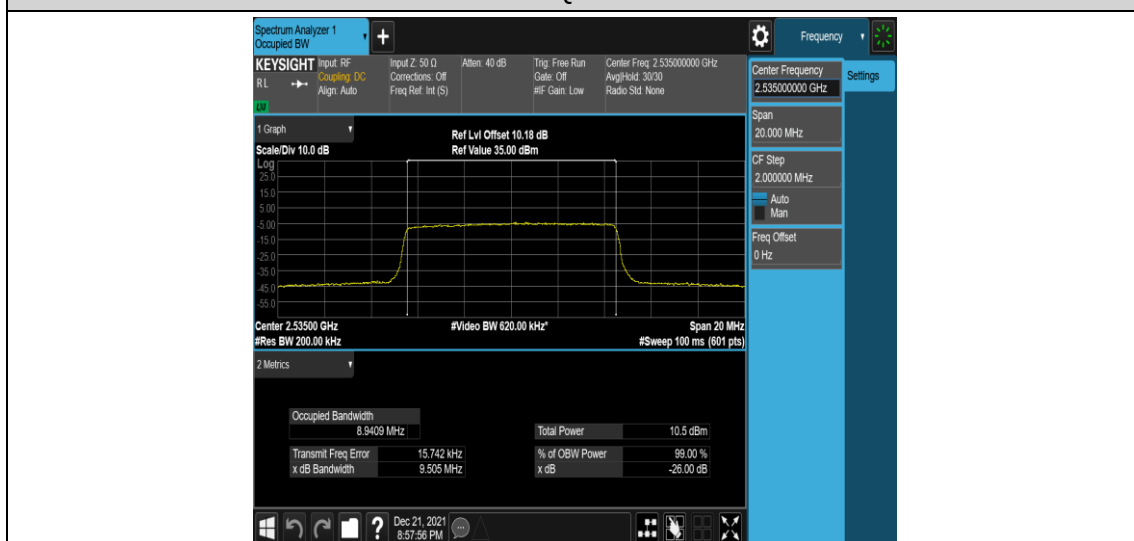




Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-50RB#0



Band7-10MHz-16QAM-21100-50RB#0