

Appendix Test Data for LTE Band 7 (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: AGM

Test Model: M10

FCC ID: 2A3DR-M10

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A:RF output power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	21.67	PASS
Band7	5MHz	16QAM	20775	1RB#0	20.98	PASS
Band7	5MHz	QPSK	20775	1RB#12	21.68	PASS
Band7	5MHz	16QAM	20775	1RB#12	20.90	PASS
Band7	5MHz	QPSK	20775	1RB#24	21.65	PASS
Band7	5MHz	16QAM	20775	1RB#24	20.92	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.17	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.27	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.02	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.13	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.06	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.17	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.10	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.27	PASS
Band7	5MHz	QPSK	21100	1RB#0	21.51	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.12	PASS
Band7	5MHz	QPSK	21100	1RB#12	21.50	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.17	PASS
Band7	5MHz	QPSK	21100	1RB#24	21.44	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.29	PASS
Band7	5MHz	QPSK	21100	12RB#0	20.85	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.03	PASS

Band7	5MHz	QPSK	21100	12RB#6	20.86	PASS
Band7	5MHz	16QAM	21100	12RB#6	19.98	PASS
Band7	5MHz	QPSK	21100	12RB#13	20.89	PASS
Band7	5MHz	16QAM	21100	12RB#13	19.91	PASS
Band7	5MHz	QPSK	21100	25RB#0	20.89	PASS
Band7	5MHz	16QAM	21100	25RB#0	19.84	PASS
Band7	5MHz	QPSK	21425	1RB#0	21.89	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.17	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.87	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.12	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.73	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.24	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.16	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.28	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.16	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.28	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.14	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.28	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.16	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.33	PASS
Band7	10MHz	QPSK	20800	1RB#0	21.67	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.57	PASS
Band7	10MHz	QPSK	20800	1RB#24	21.77	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.50	PASS
Band7	10MHz	QPSK	20800	1RB#49	21.71	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.57	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.20	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.28	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.22	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.29	PASS
Band7	10MHz	QPSK	20800	25RB#25	21.26	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.34	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.15	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.41	PASS
Band7	10MHz	QPSK	21100	1RB#0	21.66	PASS
Band7	10MHz	16QAM	21100	1RB#0	20.97	PASS
Band7	10MHz	QPSK	21100	1RB#24	21.64	PASS
Band7	10MHz	16QAM	21100	1RB#24	20.92	PASS
Band7	10MHz	QPSK	21100	1RB#49	21.66	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.05	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.14	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.33	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.16	PASS

Band7	10MHz	16QAM	21100	25RB#12	20.33	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.14	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.37	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.16	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.28	PASS
Band7	10MHz	QPSK	21400	1RB#0	21.87	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.69	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.04	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.95	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.94	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.83	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.37	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.40	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.39	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.44	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.48	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.56	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.49	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.67	PASS
Band7	15MHz	QPSK	20825	1RB#0	21.64	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.89	PASS
Band7	15MHz	QPSK	20825	1RB#38	21.63	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.90	PASS
Band7	15MHz	QPSK	20825	1RB#74	21.64	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.91	PASS
Band7	15MHz	QPSK	20825	38RB#0	21.19	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.20	PASS
Band7	15MHz	QPSK	20825	38RB#18	21.19	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.20	PASS
Band7	15MHz	QPSK	20825	38RB#37	21.20	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.20	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.20	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.29	PASS
Band7	15MHz	QPSK	21100	1RB#0	21.64	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.96	PASS
Band7	15MHz	QPSK	21100	1RB#38	21.66	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.96	PASS
Band7	15MHz	QPSK	21100	1RB#74	21.68	PASS
Band7	15MHz	16QAM	21100	1RB#74	22.03	PASS
Band7	15MHz	QPSK	21100	38RB#0	21.05	PASS
Band7	15MHz	16QAM	21100	38RB#0	21.05	PASS
Band7	15MHz	QPSK	21100	38RB#18	21.07	PASS
Band7	15MHz	16QAM	21100	38RB#18	21.07	PASS

Band7	15MHz	QPSK	21100	38RB#37	21.07	PASS
Band7	15MHz	16QAM	21100	38RB#37	21.07	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.07	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.37	PASS
Band7	15MHz	QPSK	21375	1RB#0	21.71	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.62	PASS
Band7	15MHz	QPSK	21375	1RB#38	21.79	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.85	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.84	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.92	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.40	PASS
Band7	15MHz	16QAM	21375	38RB#0	21.40	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.40	PASS
Band7	15MHz	16QAM	21375	38RB#18	21.39	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.39	PASS
Band7	15MHz	16QAM	21375	38RB#37	21.39	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.38	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.57	PASS
Band7	20MHz	QPSK	20850	1RB#0	21.92	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.57	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.93	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.62	PASS
Band7	20MHz	QPSK	20850	1RB#99	21.99	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.67	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.25	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.51	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.23	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.45	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.32	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.52	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.34	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.42	PASS
Band7	20MHz	QPSK	21100	1RB#0	21.68	PASS
Band7	20MHz	16QAM	21100	1RB#0	22.23	PASS
Band7	20MHz	QPSK	21100	1RB#49	21.69	PASS
Band7	20MHz	16QAM	21100	1RB#49	22.20	PASS
Band7	20MHz	QPSK	21100	1RB#99	21.74	PASS
Band7	20MHz	16QAM	21100	1RB#99	22.33	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.30	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.43	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.33	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.39	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.26	PASS

Band7	20MHz	16QAM	21100	50RB#50	20.36	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.19	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.45	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.83	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.36	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.91	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.58	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.11	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.76	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.44	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.64	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.44	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.64	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.72	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.76	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.45	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.56	PASS

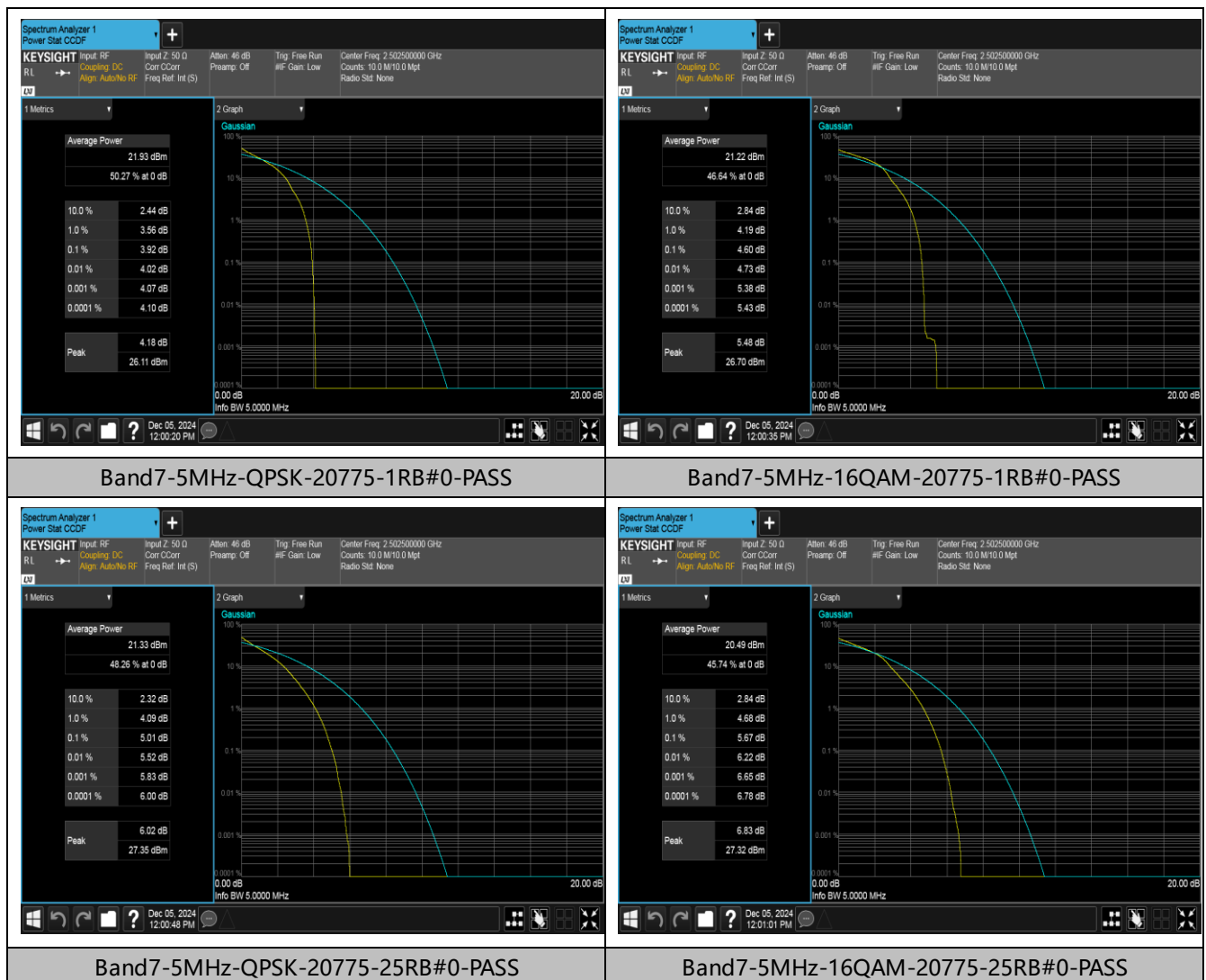
Appendix B: Peak-to-Average Ratio (CCDF)

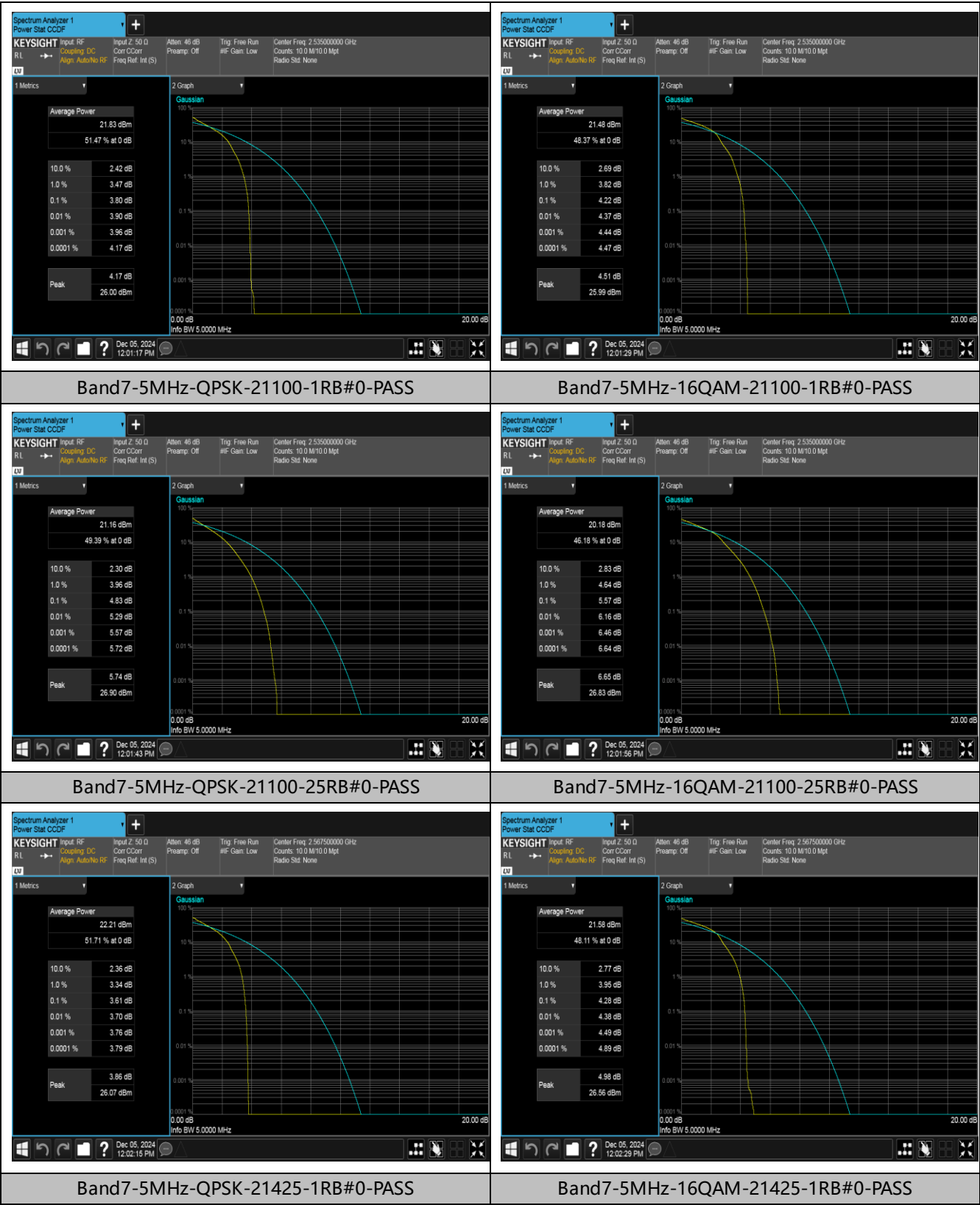
Test Result

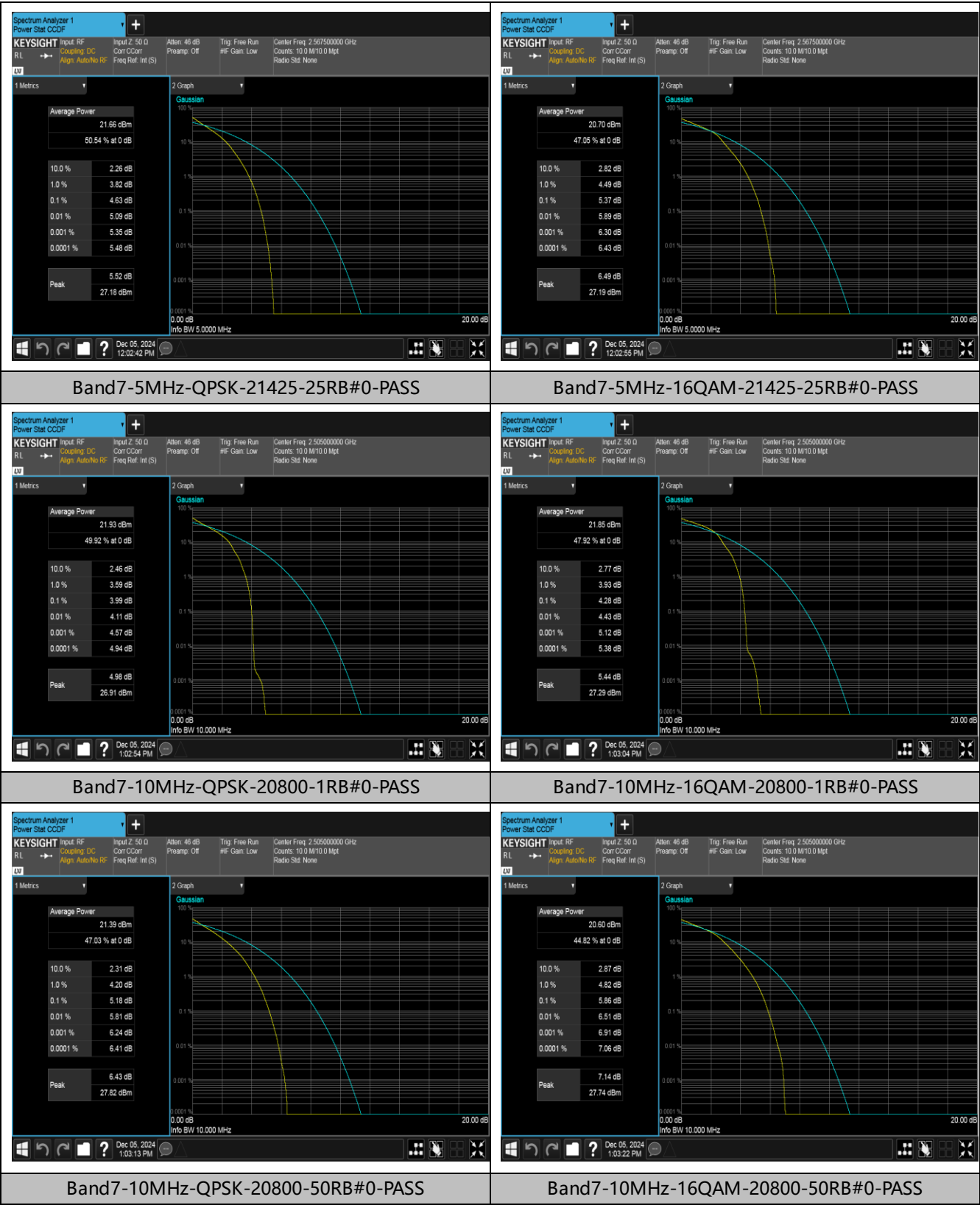
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.92	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.60	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.01	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.67	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.80	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.22	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.83	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.57	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.61	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.28	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.63	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.37	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.99	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.28	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.18	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.86	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.83	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.52	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.88	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.61	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.94	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.23	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.79	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.52	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.06	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.22	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.46	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.97	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.89	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.04	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.05	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.62	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.23	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.46	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.15	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.70	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.74	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.11	13	PASS

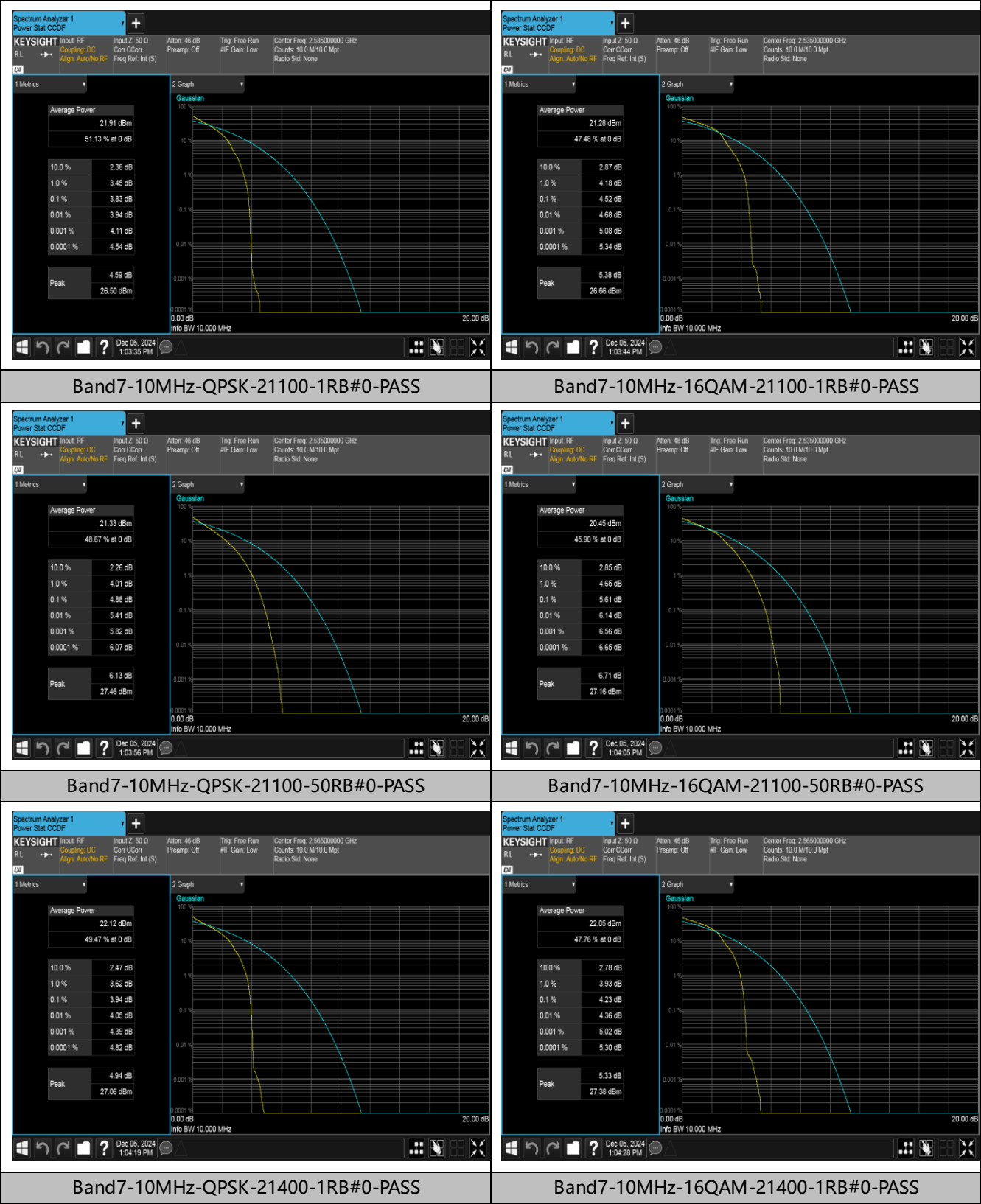
Band7	20MHz	QPSK	20850	100RB#0	5.21	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.96	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.94	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	3.84	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.56	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.03	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.45	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.99	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.73	13	PASS

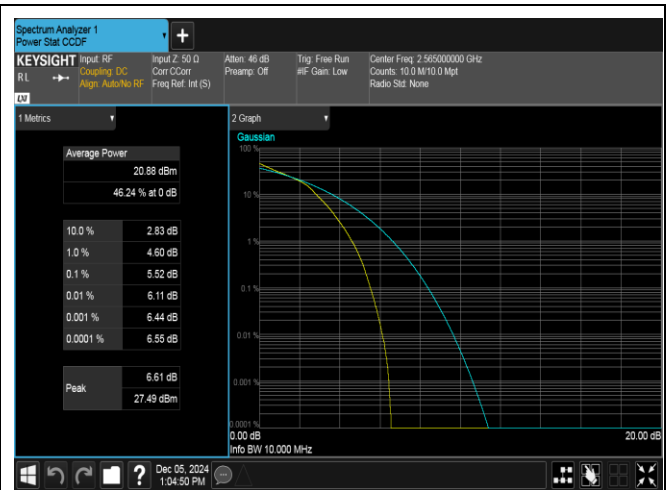
Test Graphs



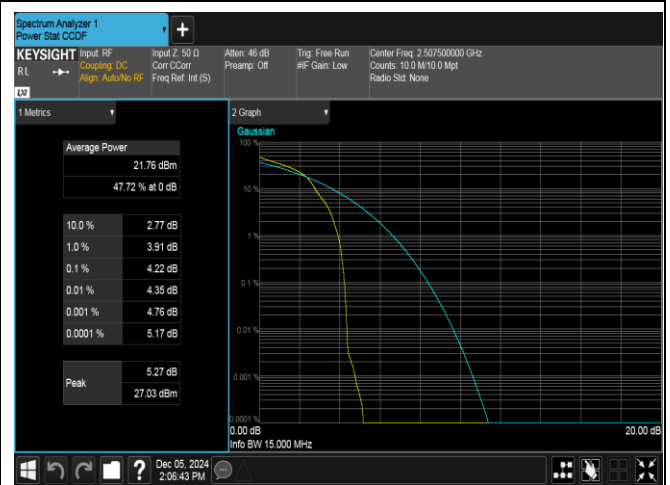




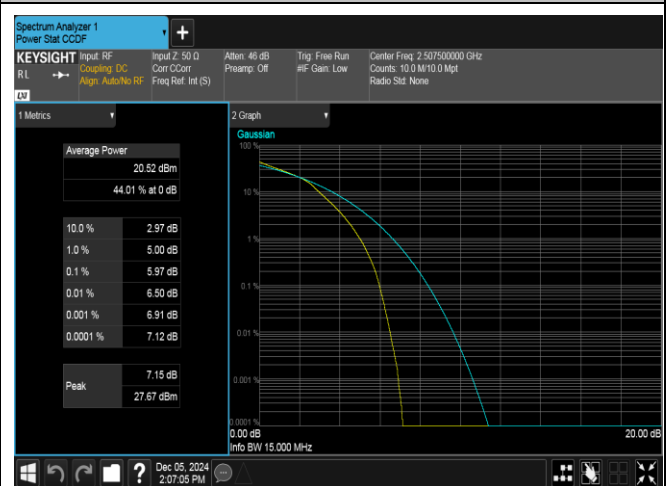




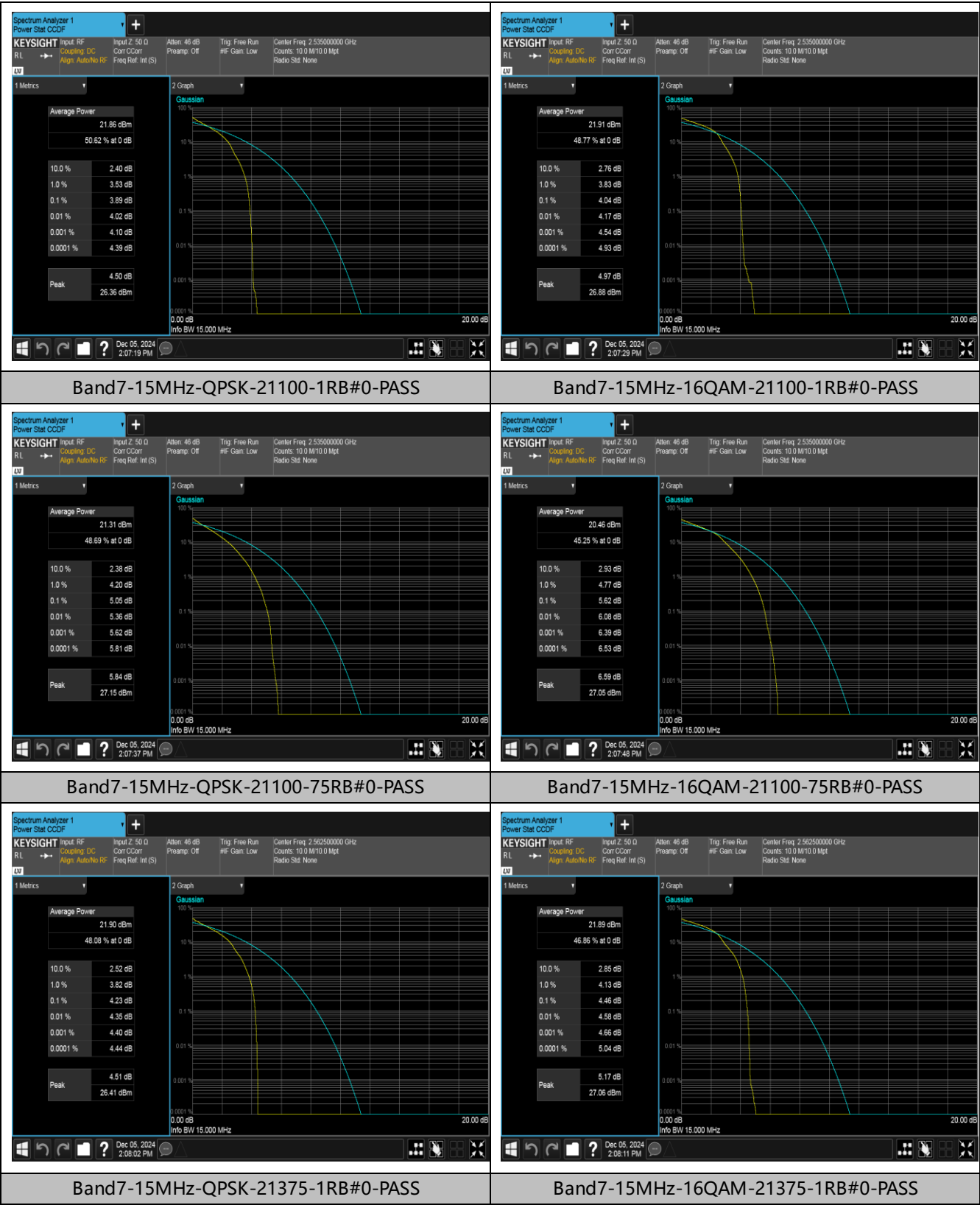
Band7-10MHz-16QAM-21400-50RB#0-PASS

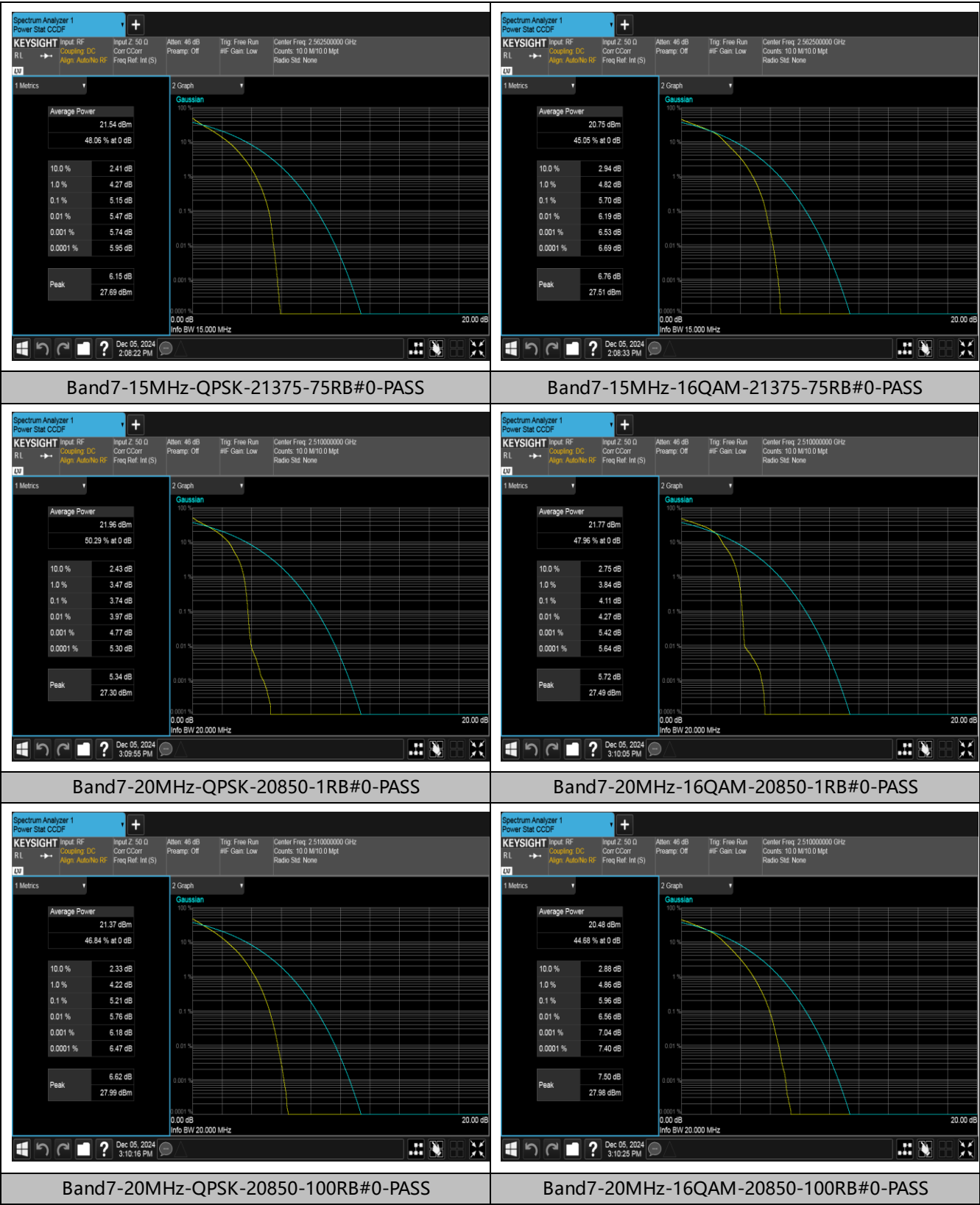


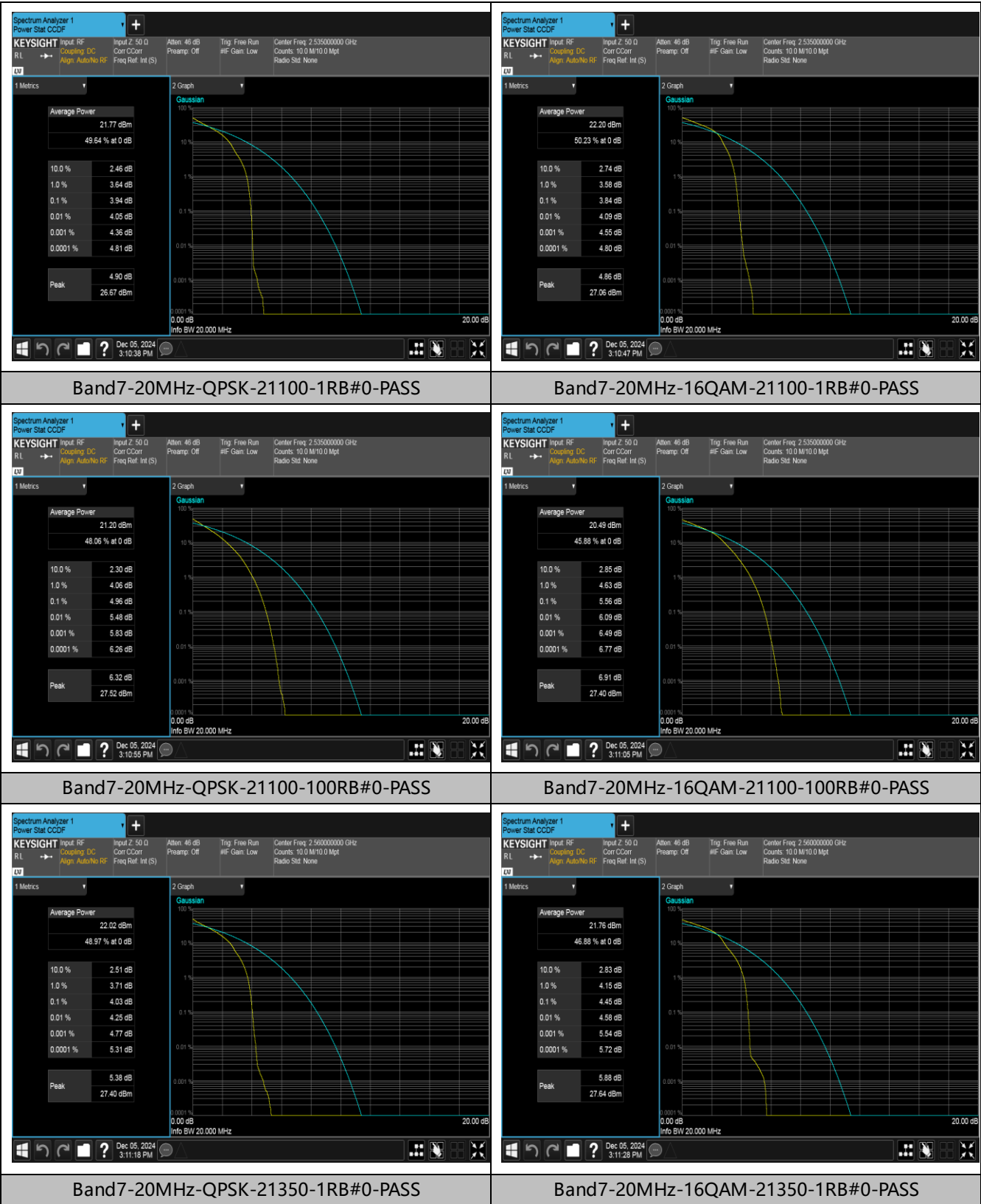
Band7-15MHz-16QAM-20825-1RB#0-PASS

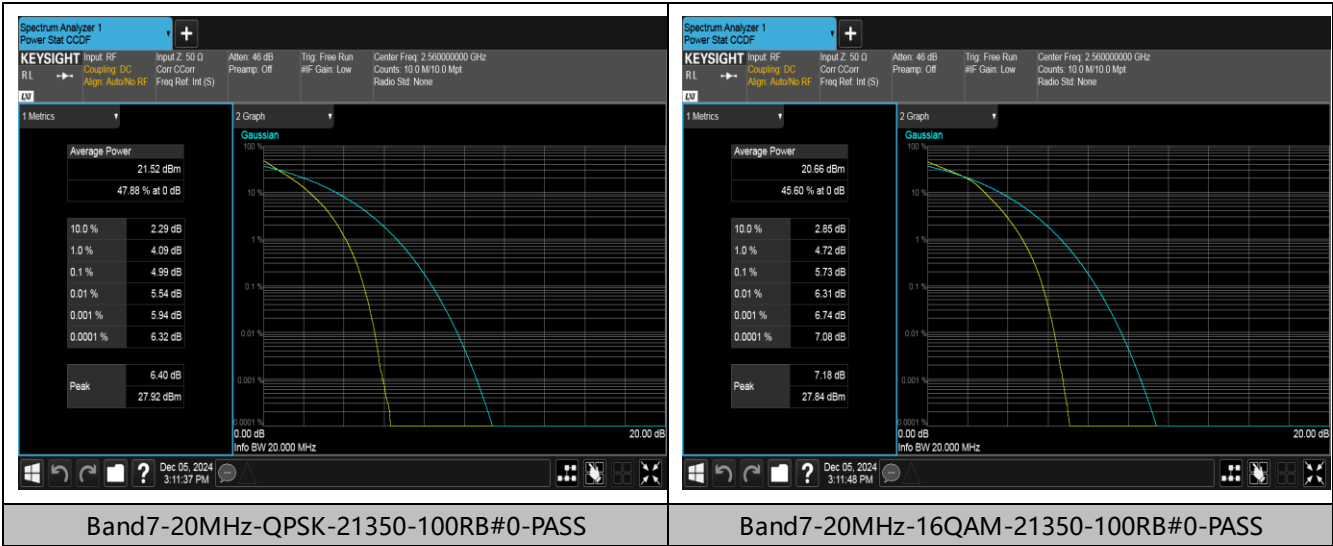


Band7-15MHz-16QAM-20825-75RB#0-PASS







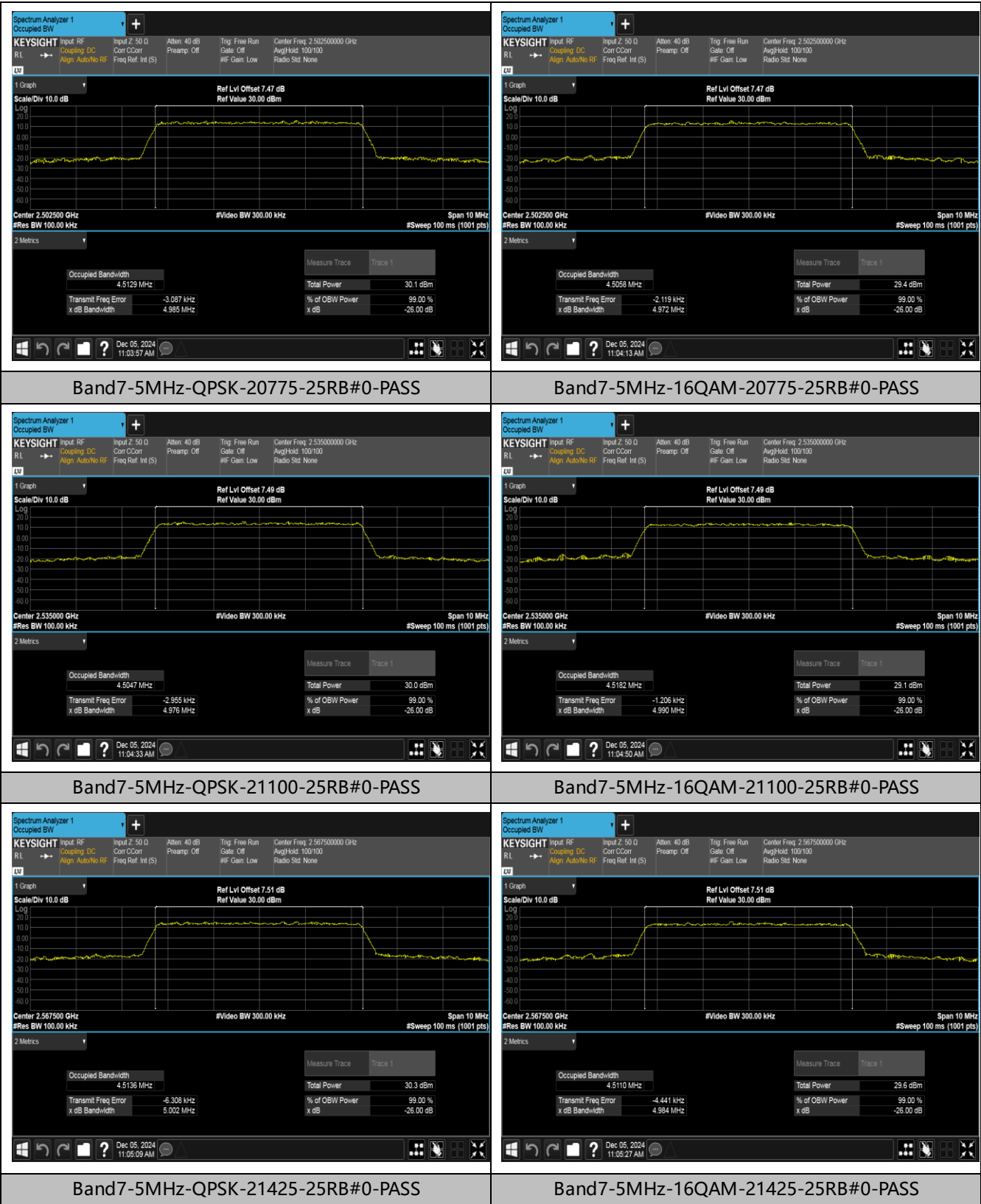


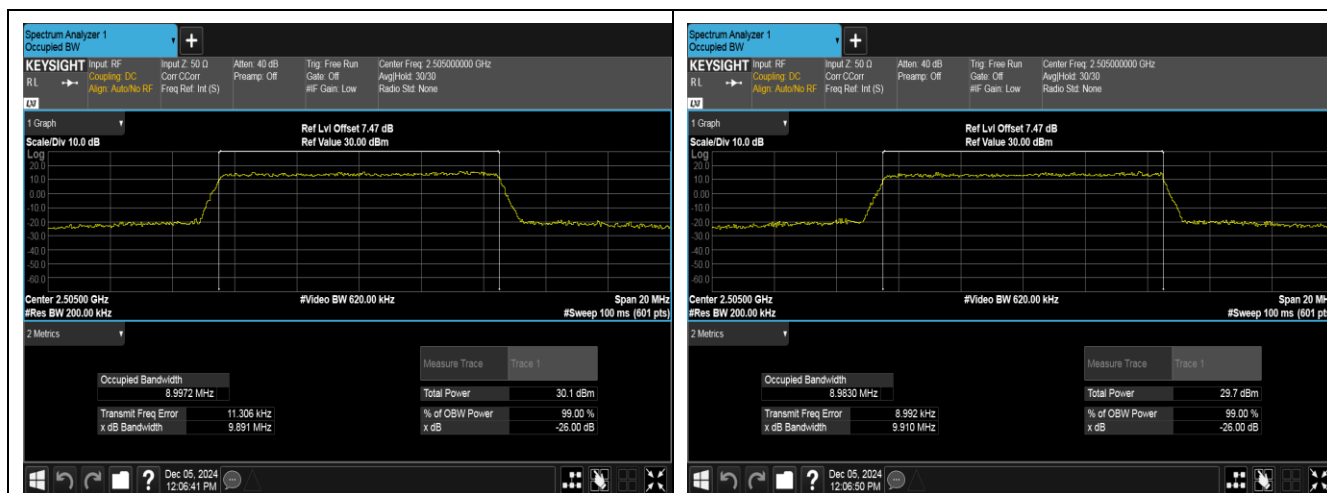
Appendix C: Occupied bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5129	4.985	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5058	4.972	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5047	4.976	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5182	4.990	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5136	5.002	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5110	4.984	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9972	9.891	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9830	9.910	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0148	9.913	PASS
Band7	10MHz	16QAM	21100	50RB#0	9.0087	9.900	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0079	9.950	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0035	9.945	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.487	14.98	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.484	14.91	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.509	15.07	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.518	14.92	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.531	14.96	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.521	14.93	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.005	19.71	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.047	19.71	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.054	19.83	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.031	19.87	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.029	19.72	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.047	19.70	PASS

Test Graphs





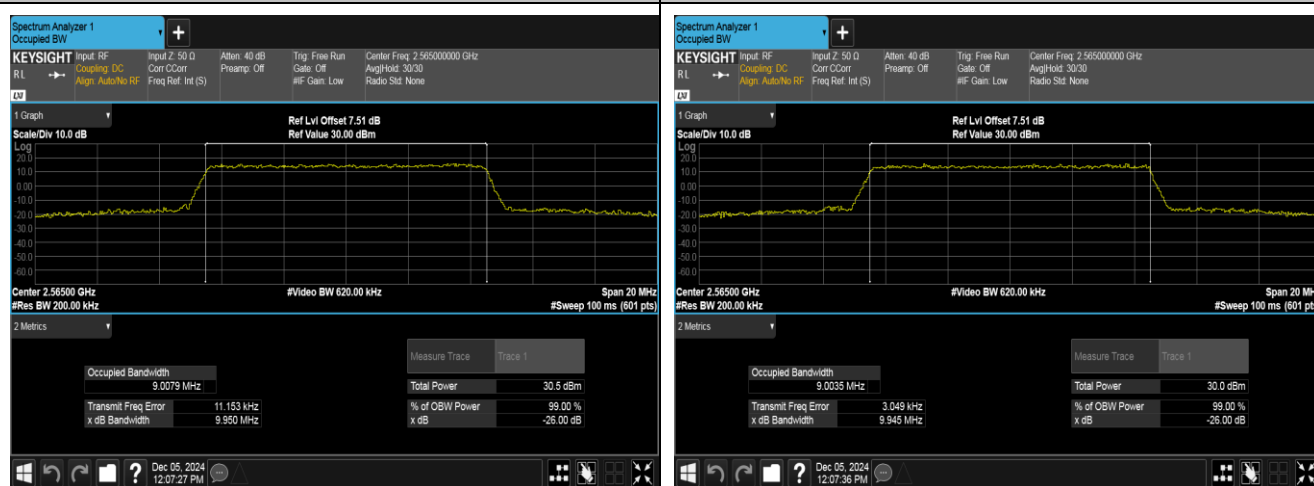
Band7-10MHz-QPSK-20800-50RB#0-PASS

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



Band7-10MHz-QPSK-21100-50RB#0-PASS

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



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

Band7-10MHz-16QAM-21400-50RB#0-PASS