



Appendix J: Test Data for E-UTRA Band 7

Product Name: fixed wireless phone

Test Model: F151

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.59	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.54	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.29	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.01	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.05	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.95	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.95	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.95	PASS
Band7	5MHz	16QAM	20775	1RB#12	22.13	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.94	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.93	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.04	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.92	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.87	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.52	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.54	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.42	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.83	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.81	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.72	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.73	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.67	PASS
Band7	5MHz	16QAM	21100	1RB#12	22.11	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.60	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.70	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.70	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.63	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.67	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.03	PASS
Band7	5MHz	QPSK	21425	1RB#12	21.81	PASS
Band7	5MHz	QPSK	21425	1RB#24	21.50	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.47	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.51	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.36	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.37	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.16	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.39	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.09	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.33	PASS



Band7	5MHz	16QAM	21425	12RB#6	20.36	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.20	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.30	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.63	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.47	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.38	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.12	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.13	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.09	PASS
Band7	10MHz	QPSK	20800	50RB#0	22.02	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.89	PASS
Band7	10MHz	16QAM	20800	1RB#24	22.29	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.82	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.04	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.96	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.98	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.39	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.29	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.22	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.91	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.91	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.78	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.82	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.62	PASS
Band7	10MHz	16QAM	21100	1RB#24	22.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.57	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.87	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.82	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.70	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.71	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.41	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.86	PASS
Band7	10MHz	QPSK	21400	1RB#49	21.31	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.57	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.52	PASS
Band7	10MHz	QPSK	21400	25RB#25	21.37	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.42	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.39	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.51	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.16	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.45	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.40	PASS



Band7	10MHz	16QAM	21400	25RB#25	20.25	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.29	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.80	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.62	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.47	PASS
Band7	15MHz	QPSK	20825	38RB#0	22.19	PASS
Band7	15MHz	QPSK	20825	38RB#18	22.25	PASS
Band7	15MHz	QPSK	20825	38RB#37	22.24	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.22	PASS
Band7	15MHz	16QAM	20825	1RB#0	22.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	22.07	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.87	PASS
Band7	15MHz	16QAM	20825	38RB#0	21.03	PASS
Band7	15MHz	16QAM	20825	38RB#18	21.12	PASS
Band7	15MHz	16QAM	20825	38RB#37	21.05	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.08	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.47	PASS
Band7	15MHz	QPSK	21100	1RB#38	22.25	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.29	PASS
Band7	15MHz	QPSK	21100	38RB#0	22.13	PASS
Band7	15MHz	QPSK	21100	38RB#18	22.06	PASS
Band7	15MHz	QPSK	21100	38RB#37	21.90	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.98	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.50	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.86	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.38	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.86	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.83	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.71	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.81	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.49	PASS
Band7	15MHz	QPSK	21375	1RB#38	22.05	PASS
Band7	15MHz	QPSK	21375	1RB#74	21.28	PASS
Band7	15MHz	QPSK	21375	38RB#0	21.74	PASS
Band7	15MHz	QPSK	21375	38RB#18	21.77	PASS
Band7	15MHz	QPSK	21375	38RB#37	21.60	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.64	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.42	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.36	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.13	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.51	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.49	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.32	PASS



Band7	15MHz	16QAM	21375	75RB#0	20.42	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.82	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.58	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.37	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.01	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.89	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.04	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.75	PASS
Band7	20MHz	16QAM	20850	1RB#49	22.21	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.58	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.96	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.96	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.78	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.88	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.42	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.11	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.18	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.89	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.80	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.68	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.78	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.38	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.84	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.32	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.82	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.69	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.57	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.67	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.55	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.38	PASS
Band7	20MHz	QPSK	21350	1RB#99	21.37	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.67	PASS
Band7	20MHz	QPSK	21350	50RB#25	21.48	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.21	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.48	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.39	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.66	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.95	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.56	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.39	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.12	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.35	PASS



J.2 Peak-to-Average Ratio(CCDF)

Test Result

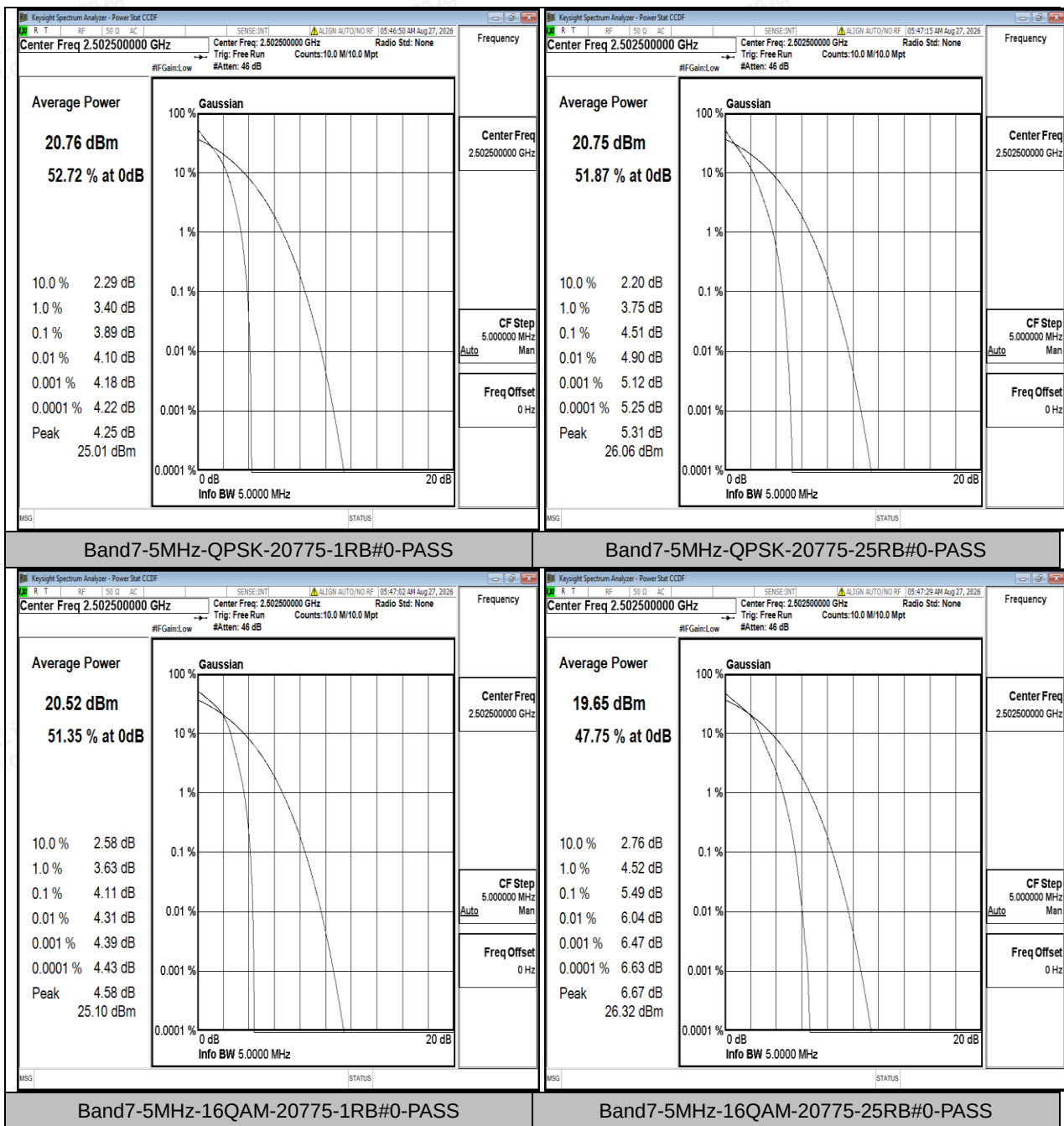
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.89	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.51	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.11	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.49	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.44	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.51	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	3.90	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.47	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	2.82	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	3.71	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	3.50	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.85	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.66	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.44	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.10	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.47	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.04	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.51	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	3.66	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.49	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	2.65	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	3.96	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	3.80	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.09	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.71	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.57	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.23	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.52	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.50	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.62	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.27	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.61	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.84	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.40	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.23	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.44	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.57	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.19	13	PASS

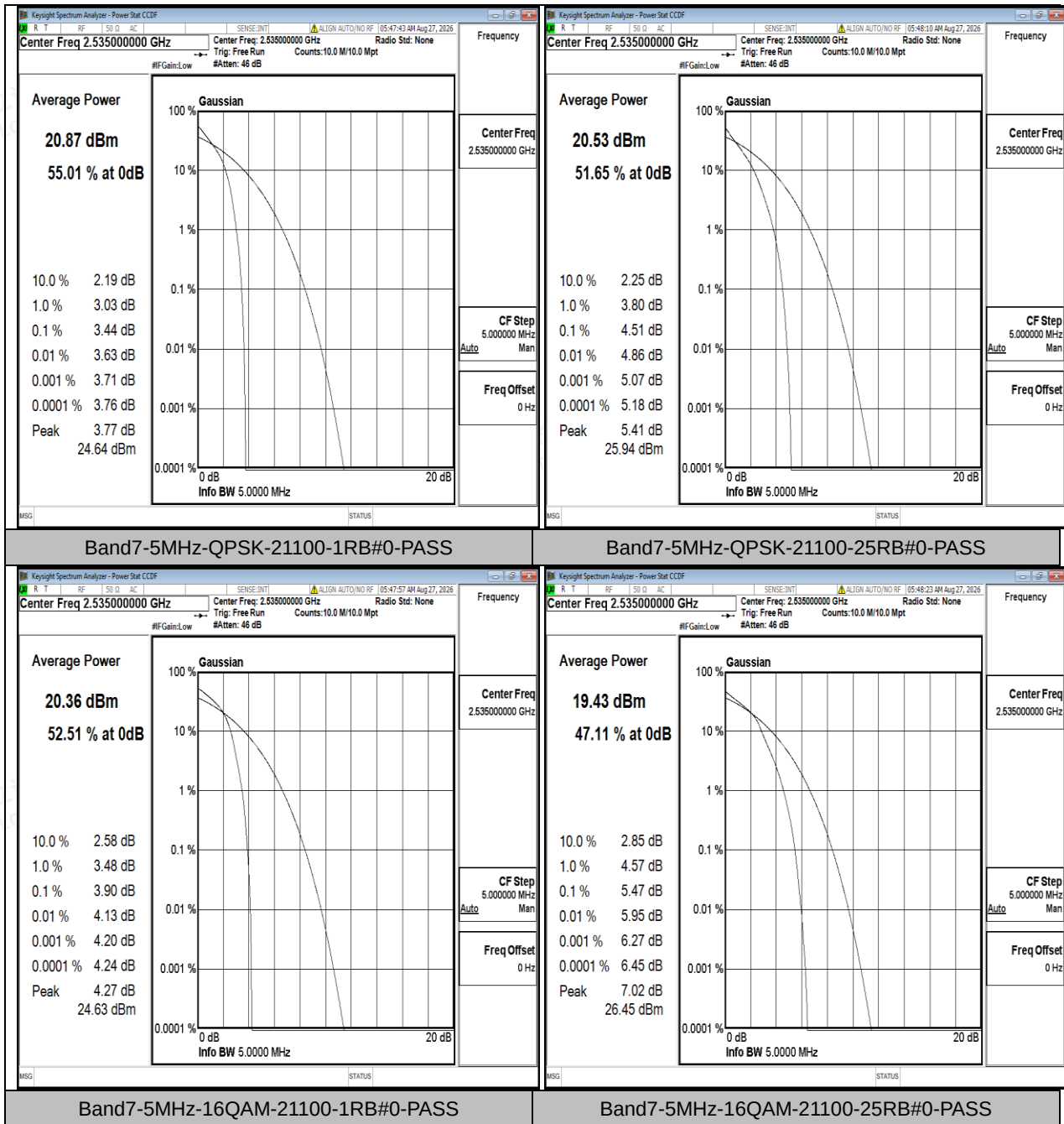


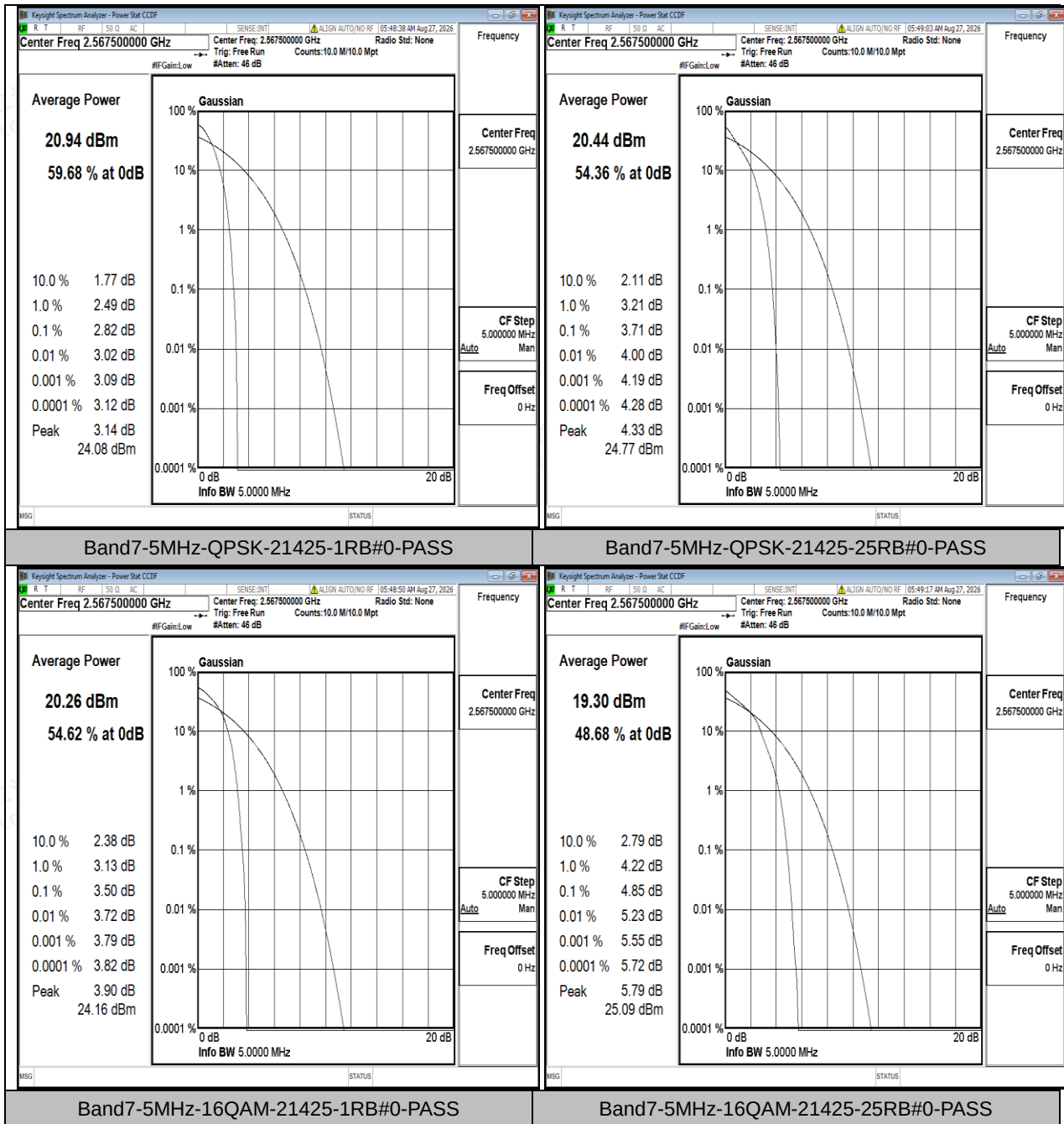
Band7	20MHz	16QAM	20850	1RB#0	4.15	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.28	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	2.68	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.39	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	3.47	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.42	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.69	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.40	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.60	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.46	13	PASS

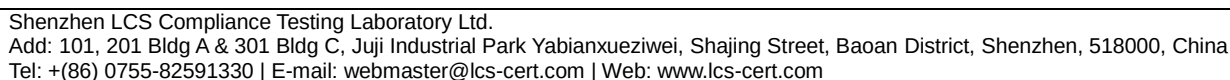


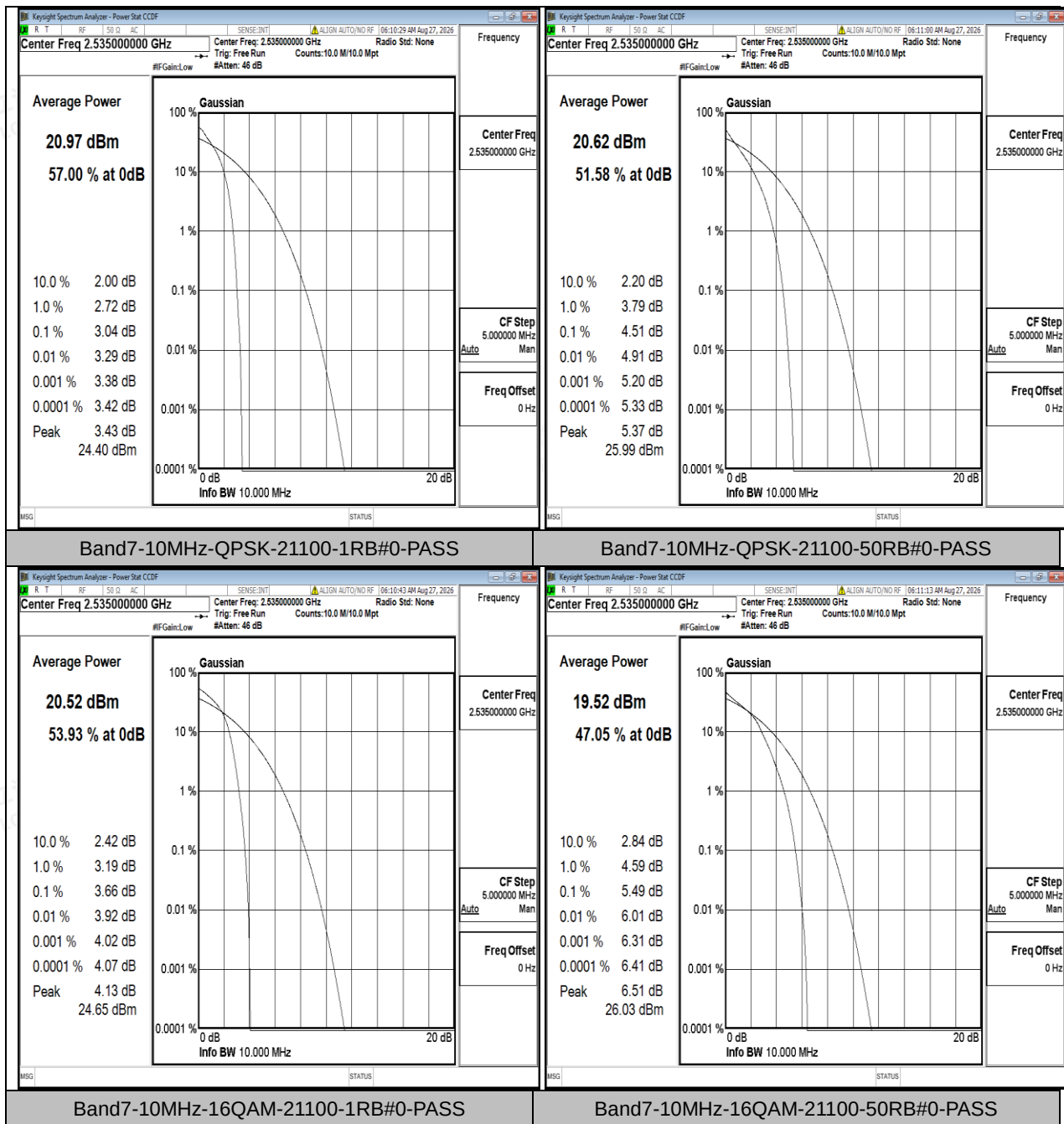
Test Graphs

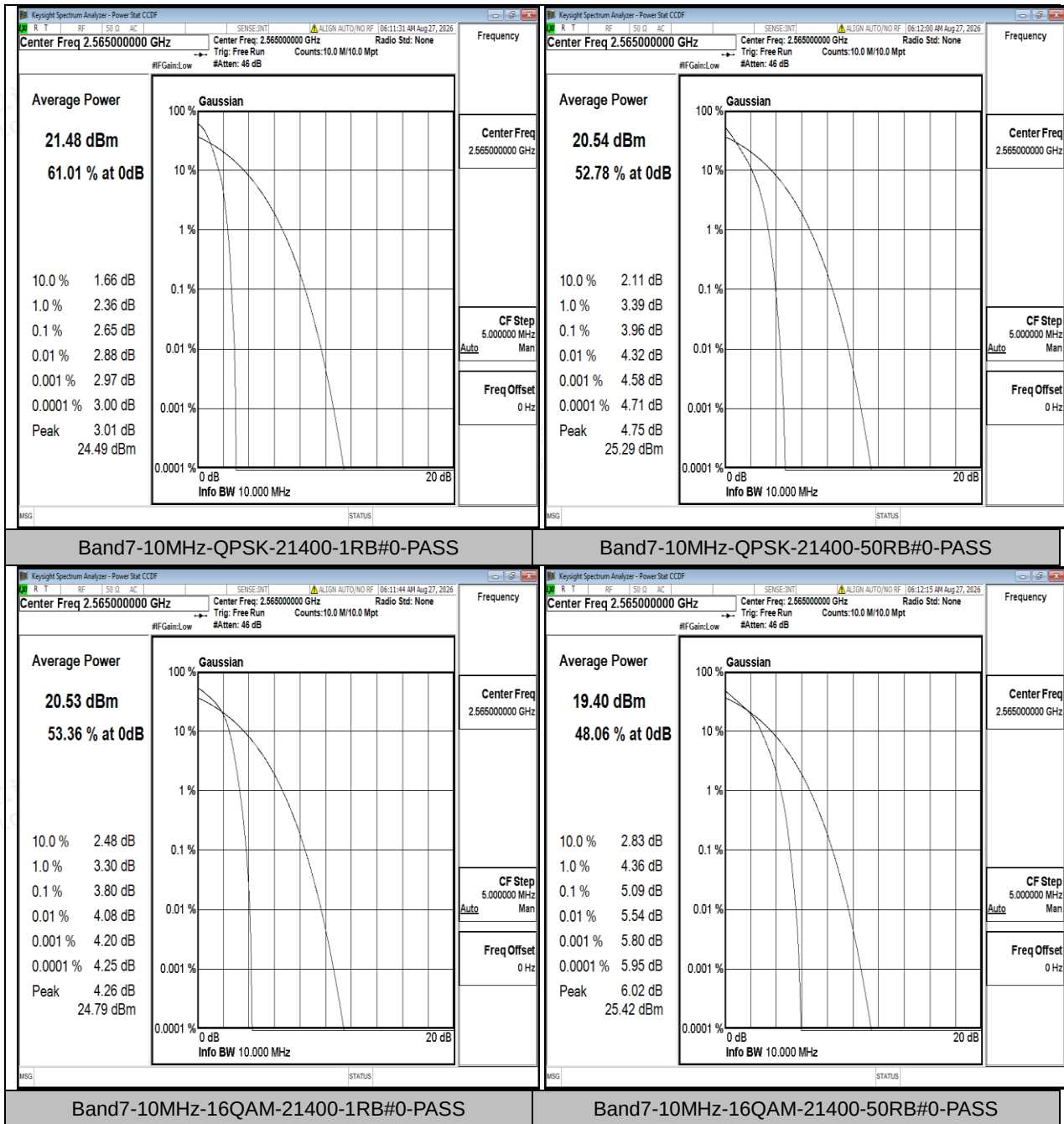


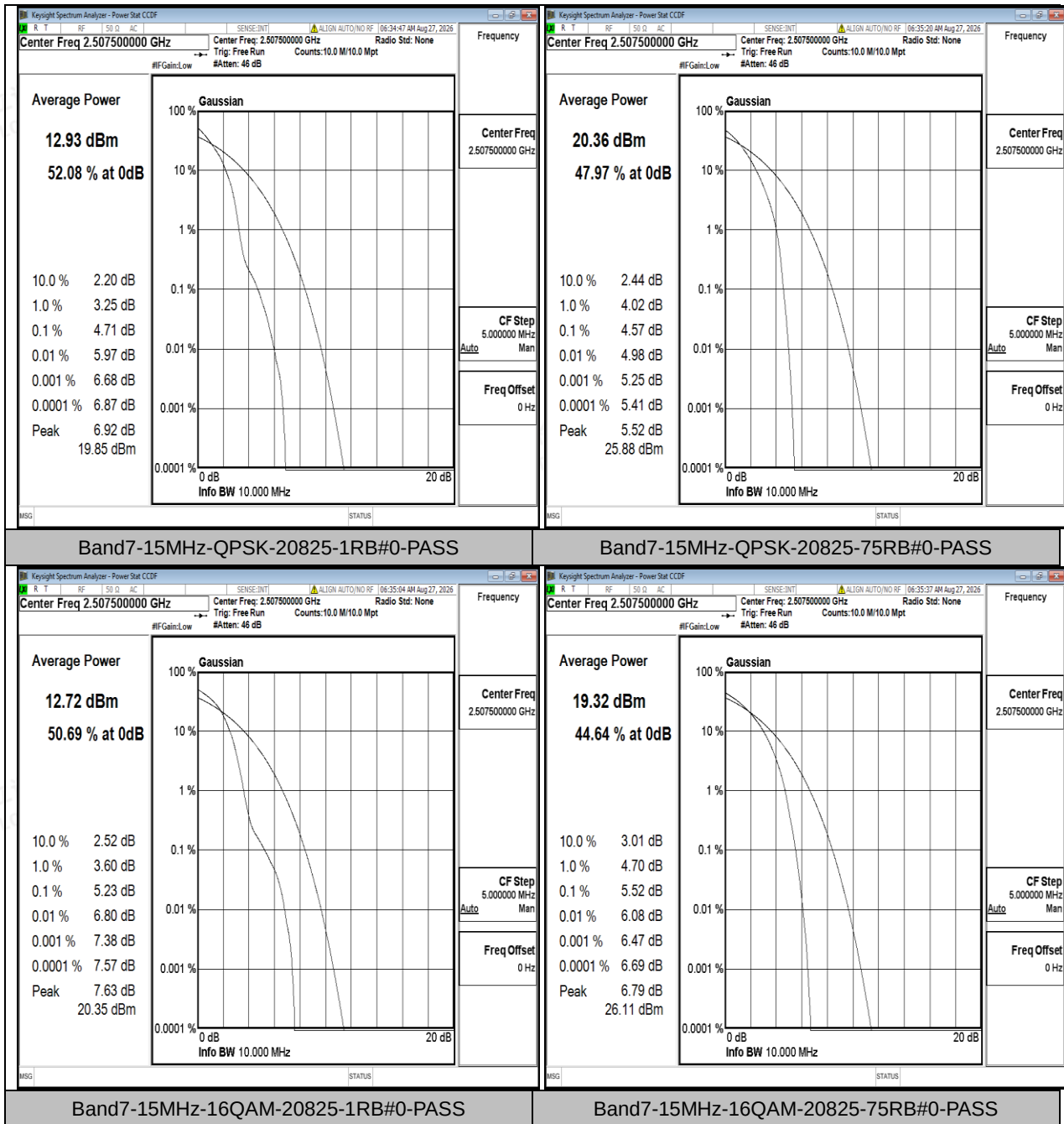


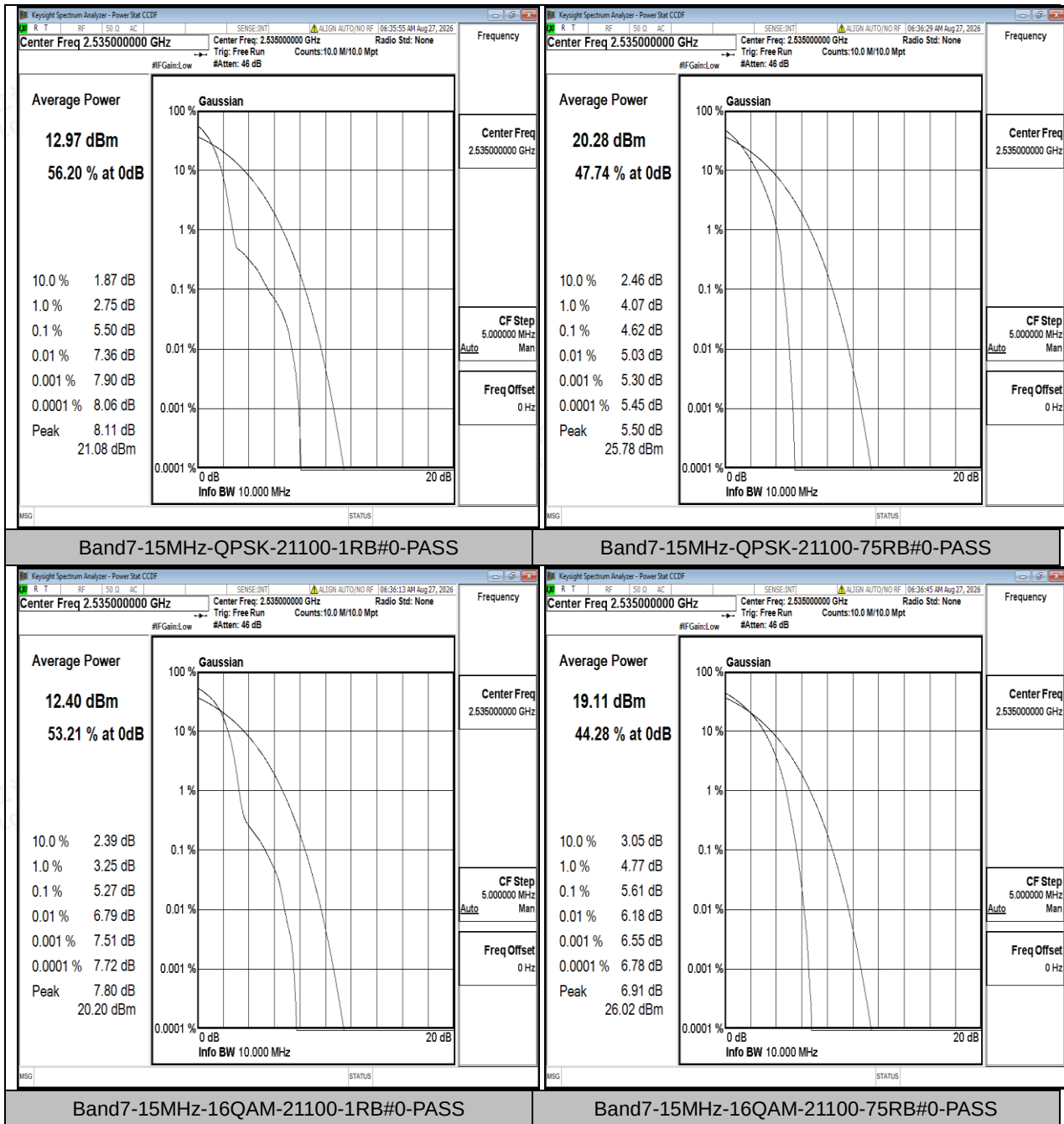


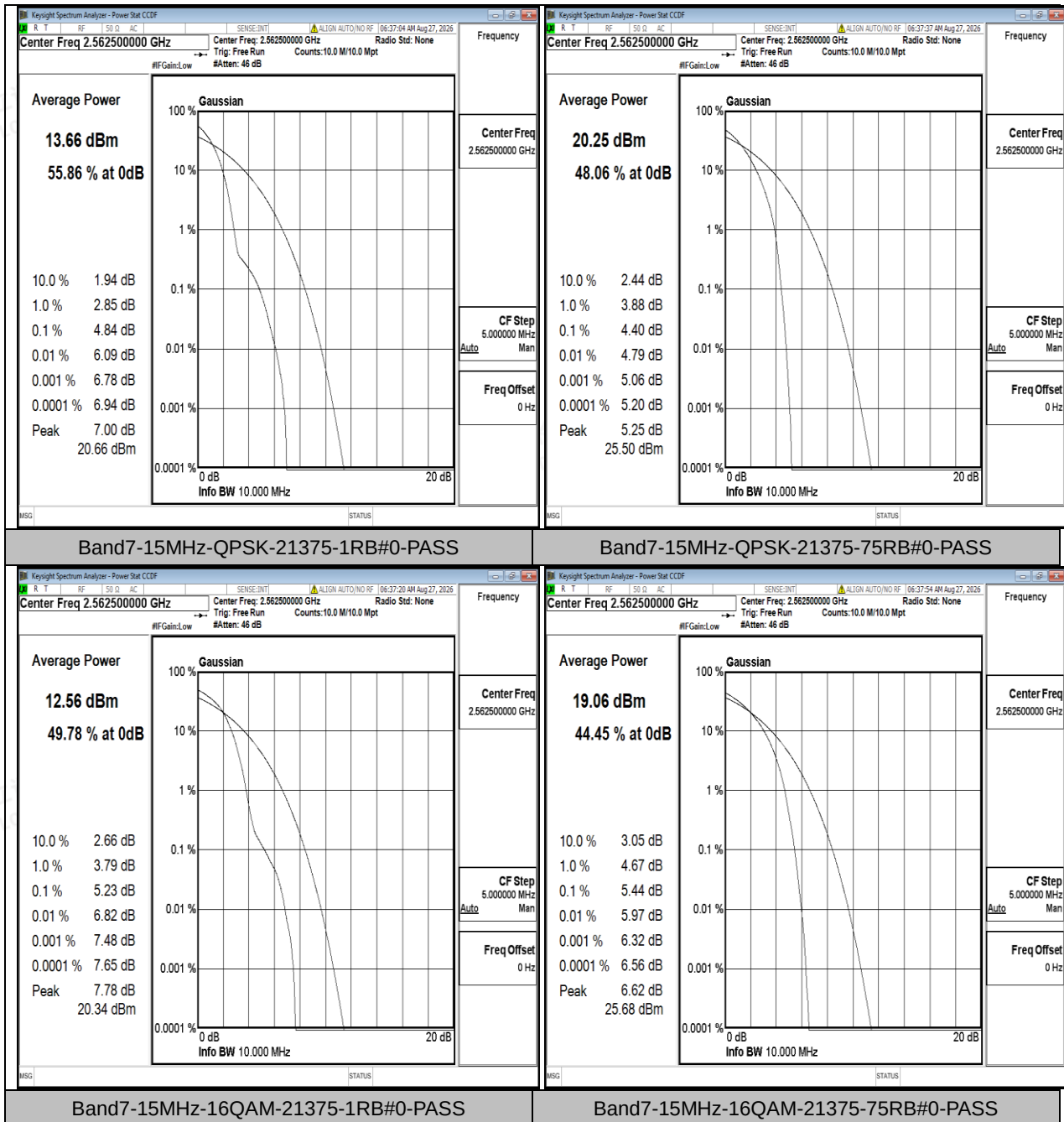


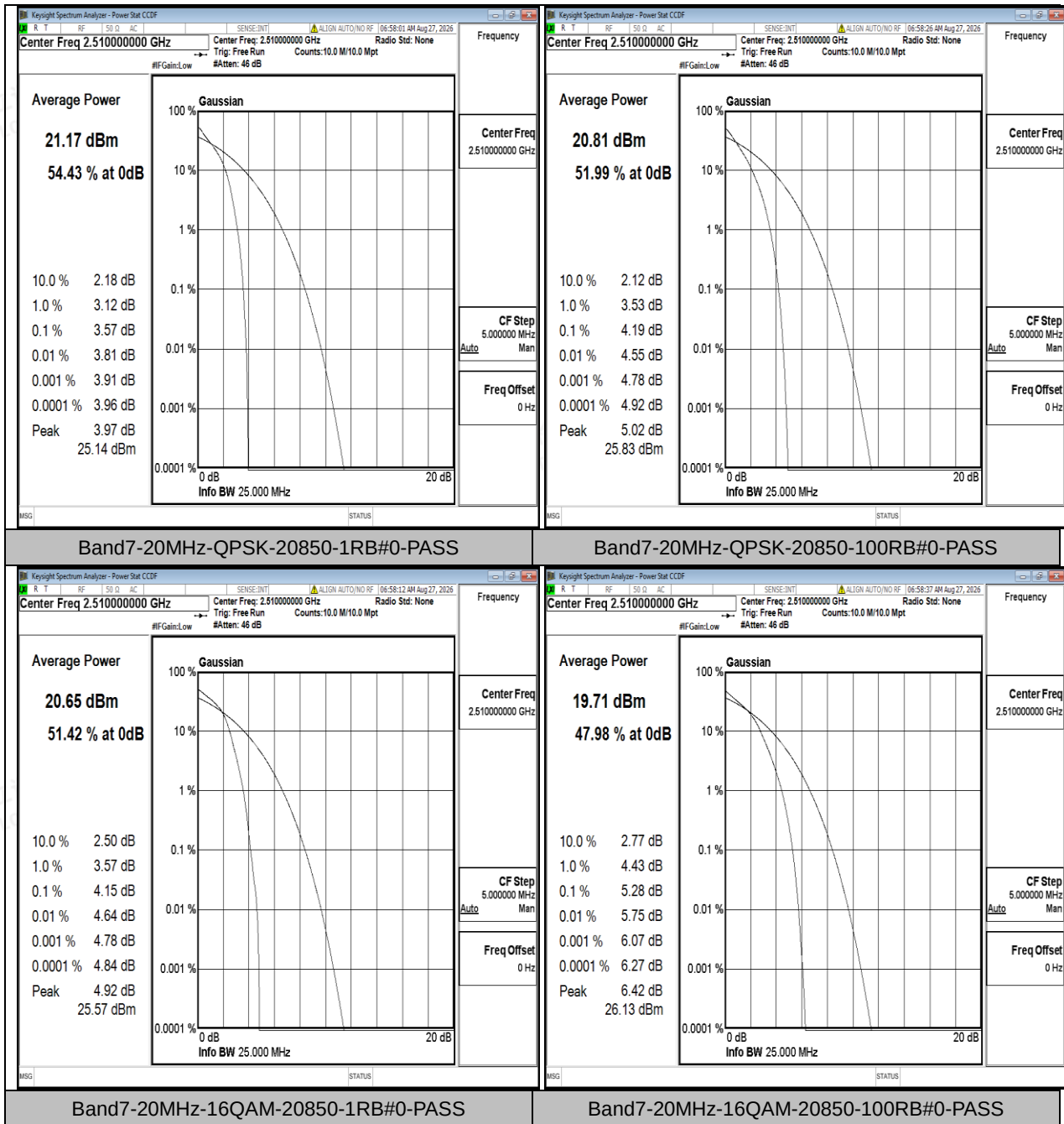


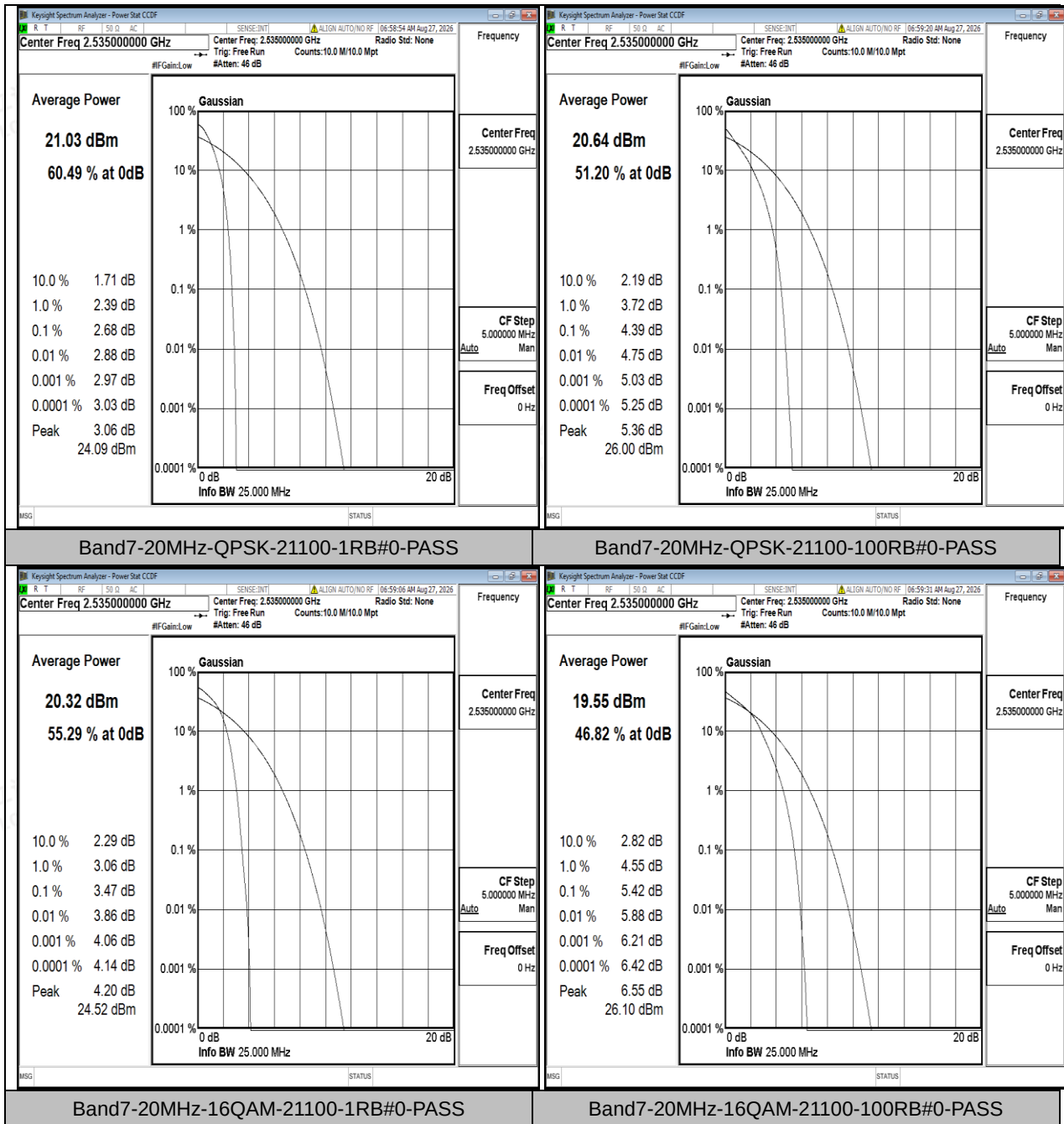


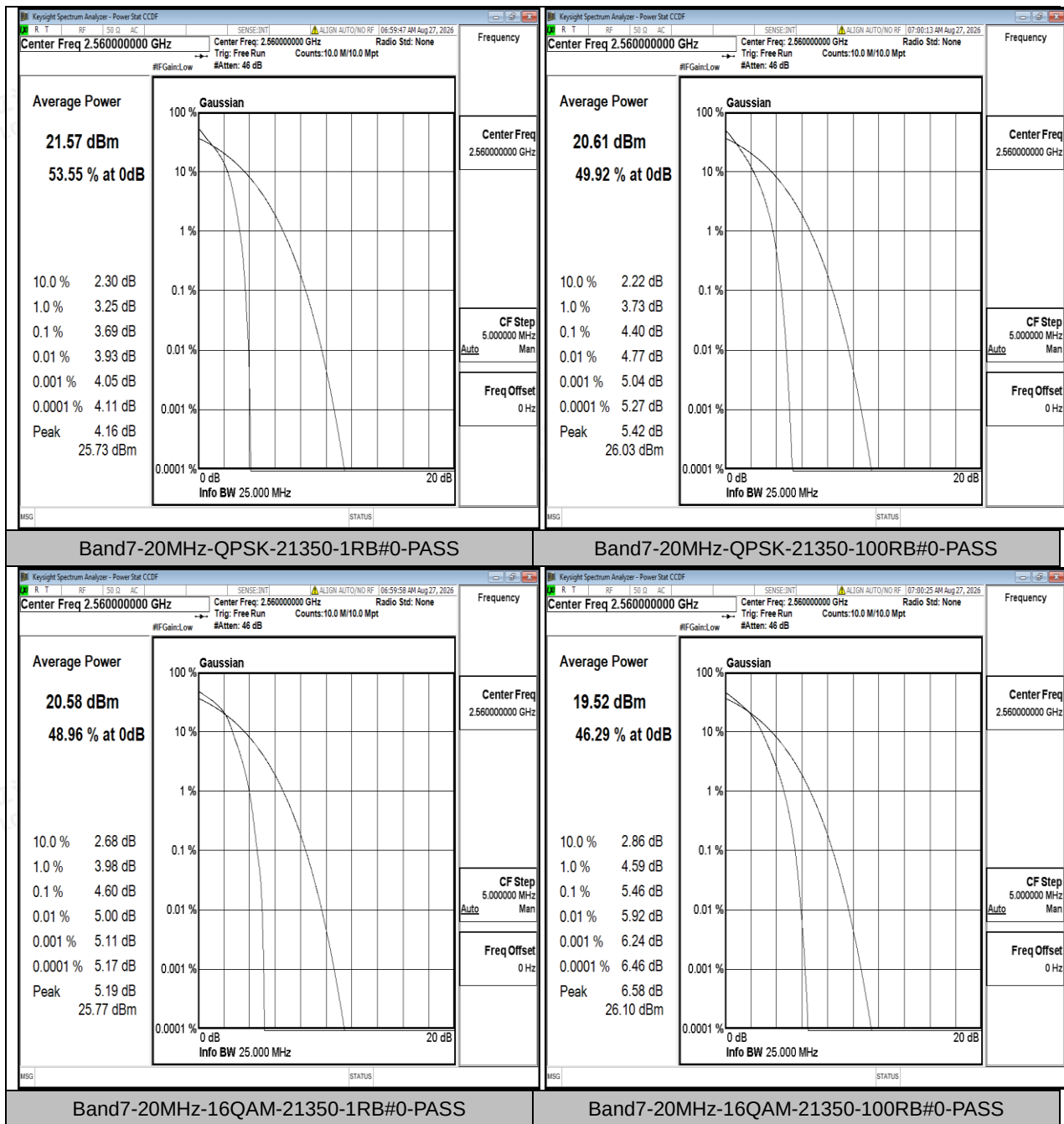














J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5167	4.977	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4924	4.944	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5067	4.927	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4692	4.750	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5066	5.119	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5109	6.561	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0107	9.942	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9942	9.809	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0054	10.38	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9987	9.820	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0092	10.01	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9842	9.803	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.537	18.90	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.529	14.72	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.514	14.78	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.496	14.57	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.509	15.56	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.488	14.71	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.013	20.70	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.018	19.47	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.001	19.45	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.028	19.44	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.995	19.57	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.961	20.08	PASS

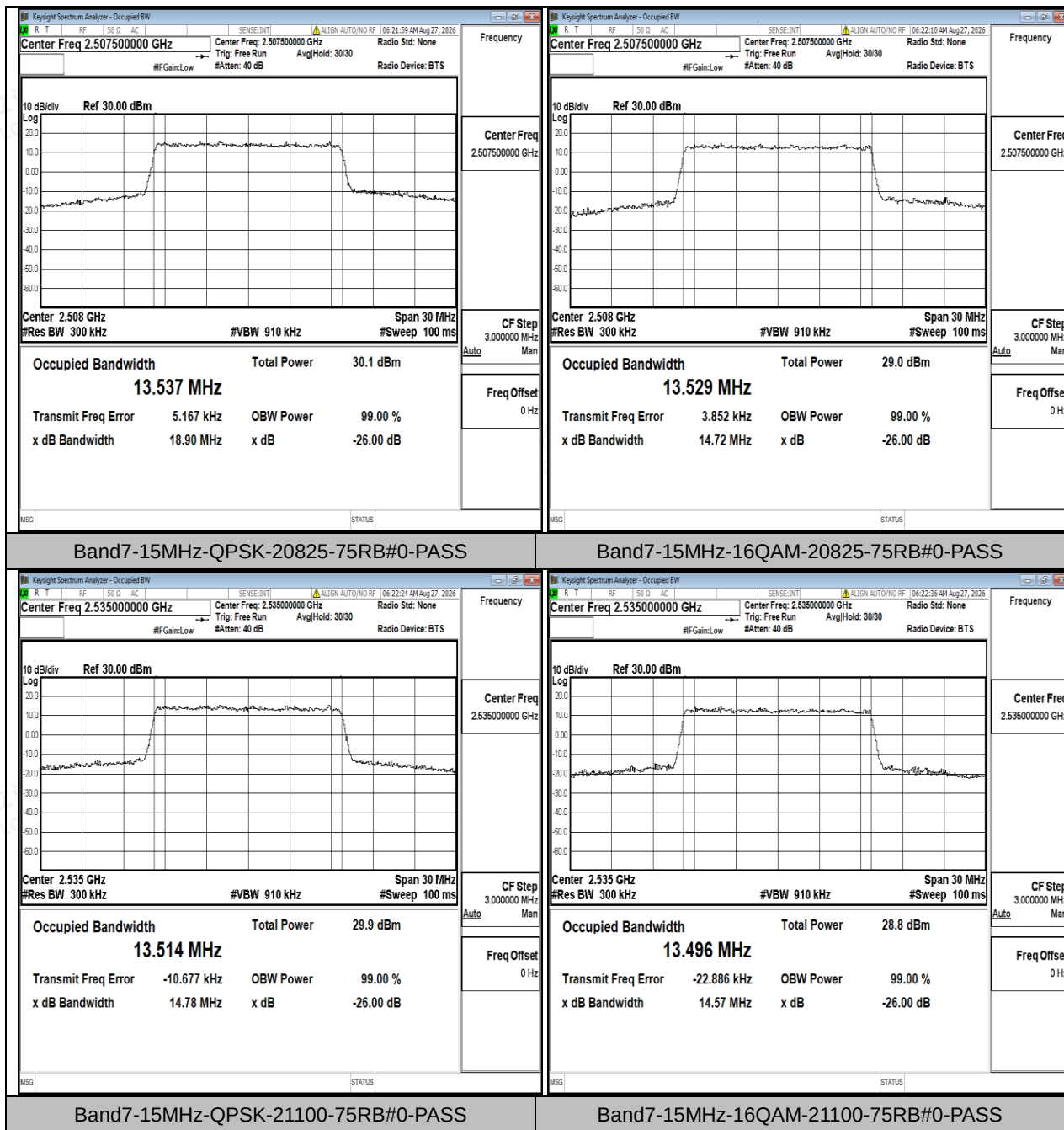


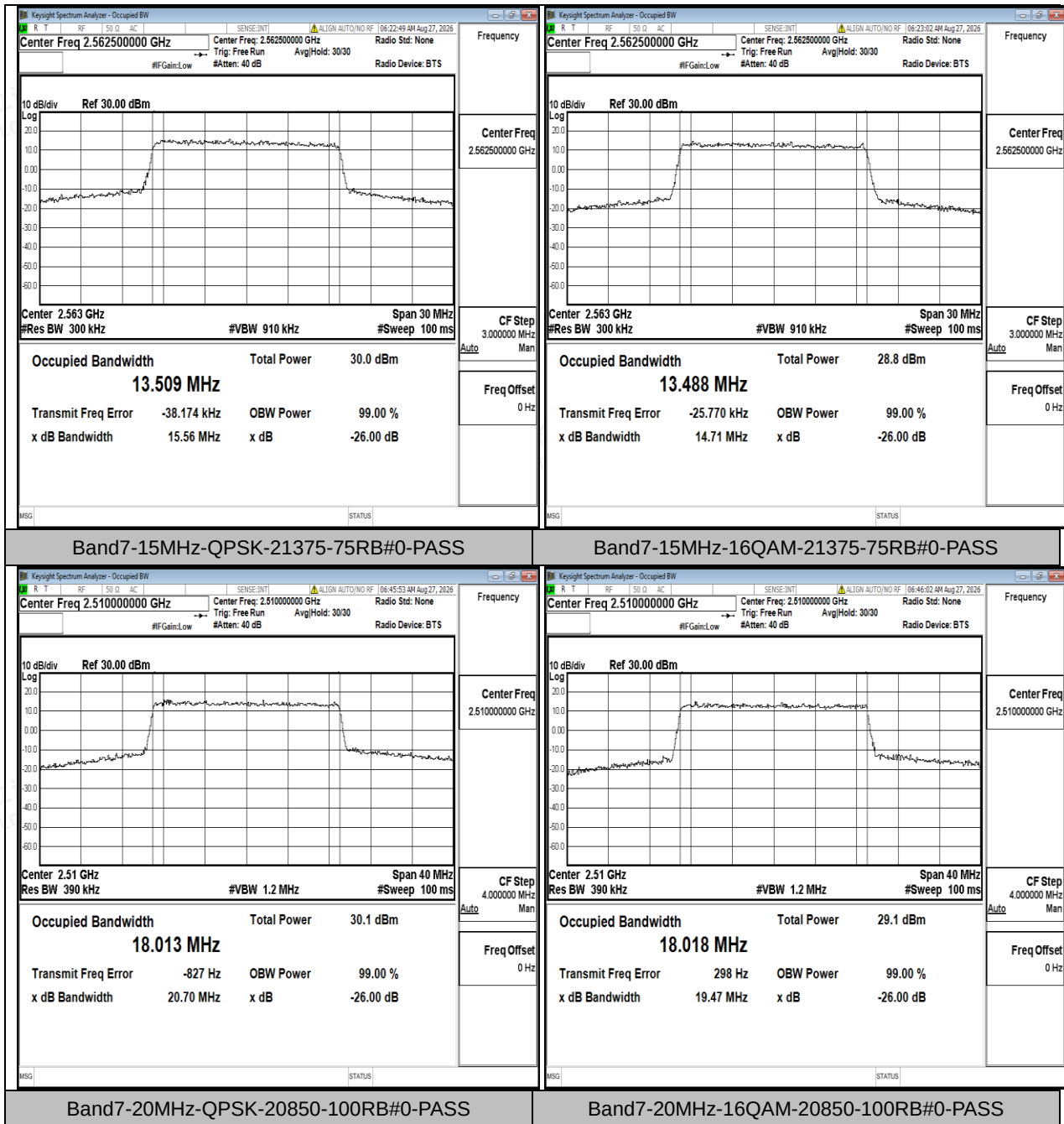
Test Graphs

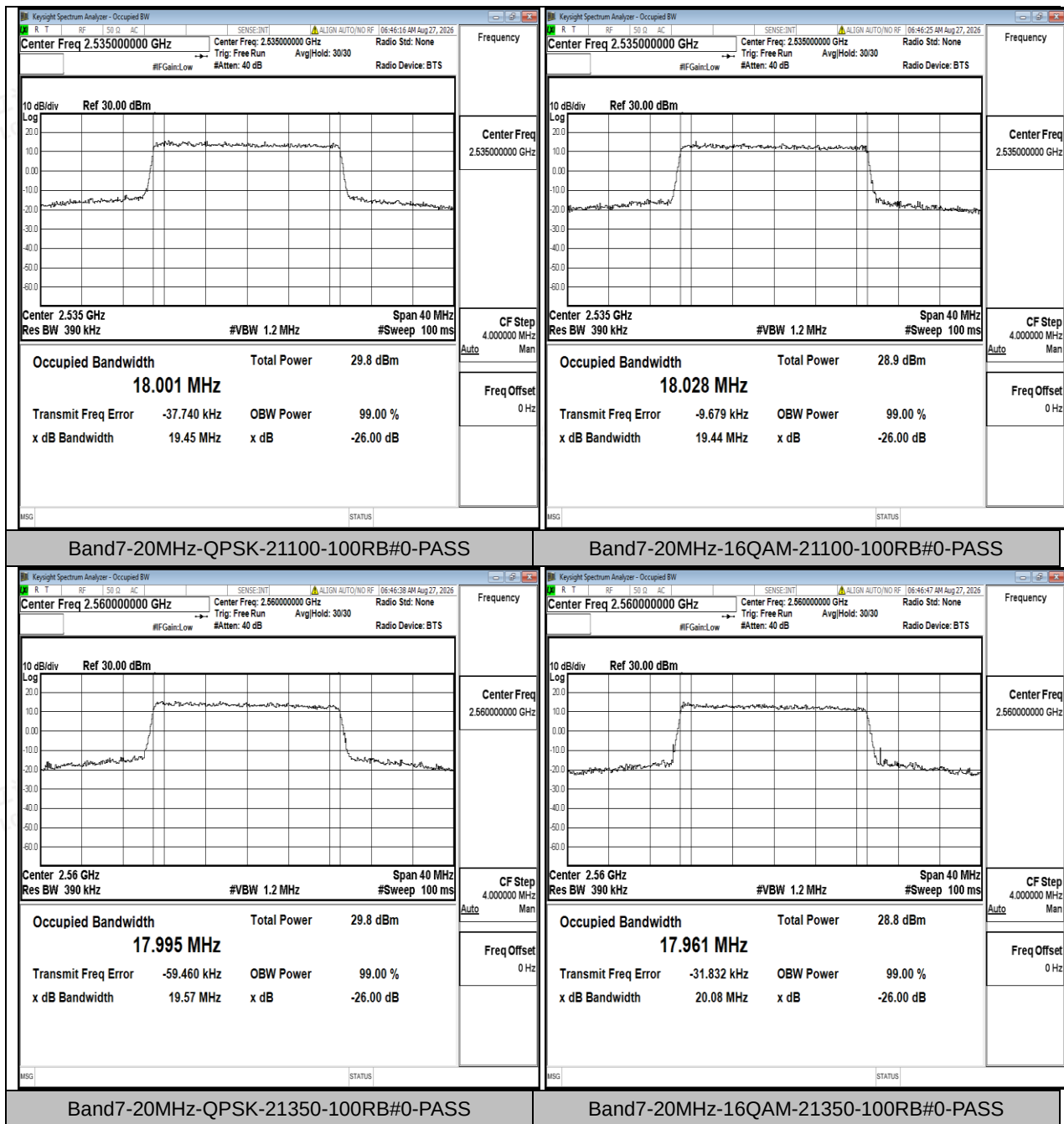














J.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-41.00	6.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	-25.00	5.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	-37.00	2.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	-38.00	3.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	-38.00	6.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	-37.00	5.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	-36.00	4.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	-36.00	4.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	-35.00	4.80	PASS
Band7	15MHz	16QAM	20825	75RB#0	-36.00	5.80	PASS
Band7	15MHz	QPSK	21375	75RB#0	-34.00	3.80	PASS
Band7	15MHz	16QAM	21375	75RB#0	-34.00	3.80	PASS
Band7	20MHz	QPSK	20850	100RB#0	-33.00	3.90	PASS
Band7	20MHz	16QAM	20850	100RB#0	-33.00	3.90	PASS
Band7	20MHz	QPSK	21350	100RB#0	-34.00	4.90	PASS
Band7	20MHz	16QAM	21350	100RB#0	-32.00	2.90	PASS

Test Graphs

