



Appendix I: Test Data for E-UTRA Band 5

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



I.1 Conducted Output Power Data

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.16	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.28	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.18	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.26	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.25	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.26	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.18	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.68	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.28	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.17	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.25	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.19	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.19	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.32	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.17	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.30	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.37	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.35	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.22	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.05	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.54	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.02	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.15	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.39	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.11	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.30	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.14	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.30	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.03	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.18	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.97	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.01	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.07	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.06	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.89	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.94	PASS



Band5	1.4MHz	16QAM	20643	3RB#1	21.83	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.73	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.08	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.29	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.32	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.28	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.29	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.36	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.33	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.30	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.19	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.62	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.24	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.37	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.41	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.39	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.29	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.27	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.29	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.25	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.33	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.41	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.36	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.30	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.41	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.36	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.42	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.48	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.42	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.36	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.25	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.26	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.28	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.34	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.35	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.29	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.31	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.42	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.47	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.29	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.36	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.35	PASS



Band5	3MHz	16QAM	20635	8RB#7	21.31	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.29	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.25	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.47	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.26	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.15	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.25	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.21	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.16	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.21	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.59	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.22	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.19	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.28	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.27	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.28	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.22	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.17	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.23	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.31	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.23	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.27	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.08	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.72	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.10	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.27	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.42	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.25	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.35	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.22	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.48	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.15	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.25	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.25	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.06	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.23	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.37	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.80	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.22	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.31	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.41	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.12	PASS



Band5	5MHz	16QAM	20625	25RB#0	21.17	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.16	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.46	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.22	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.35	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.33	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.22	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.26	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.28	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.75	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.26	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.37	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.38	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.29	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.28	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.17	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.38	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.21	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.40	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.28	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.33	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.38	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.13	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.58	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.12	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.49	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.36	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.43	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.39	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.18	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.39	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.11	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.30	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.24	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.14	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.28	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.28	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.62	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.16	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.35	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.39	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.18	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.24	PASS



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

Test Result

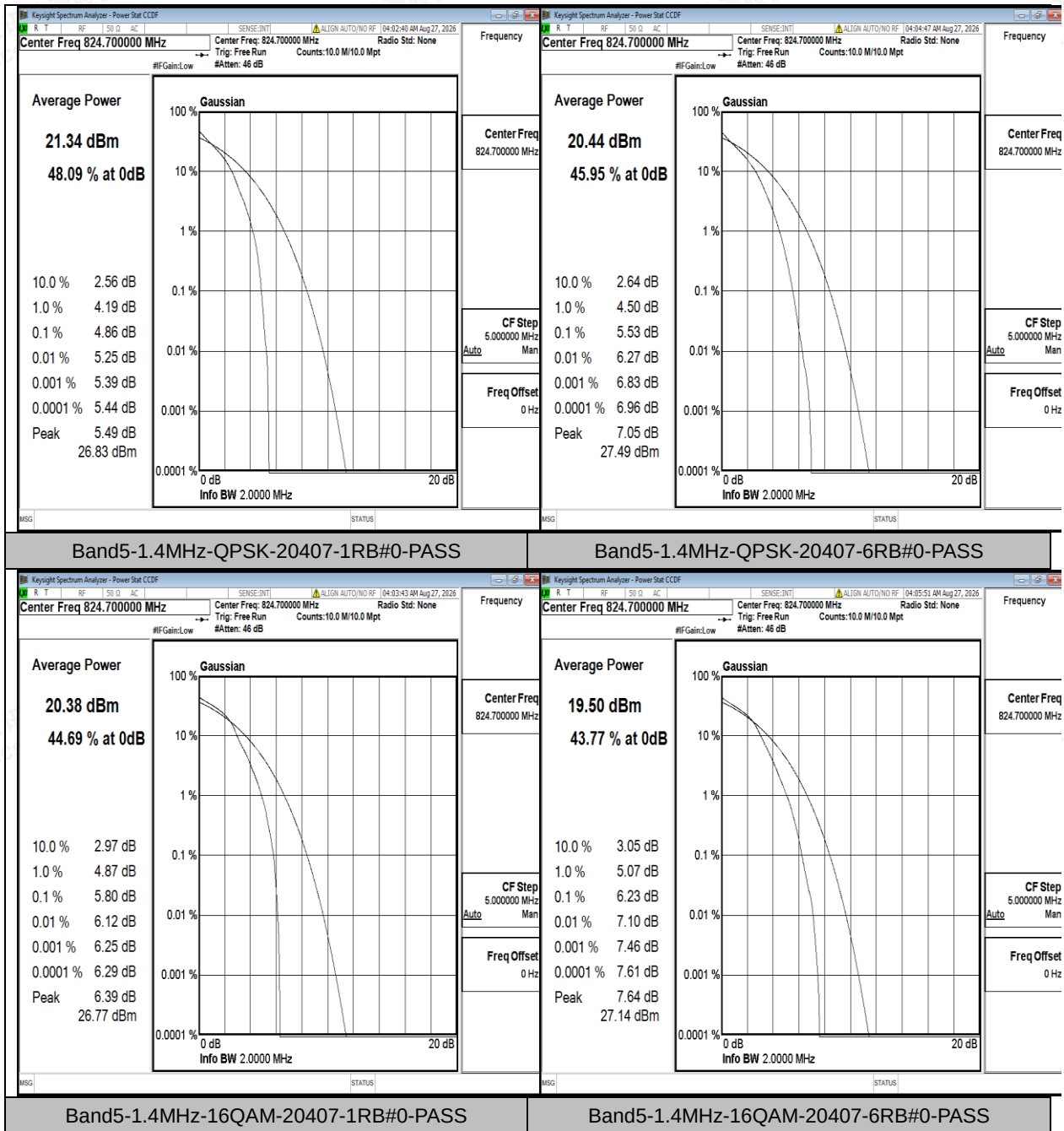
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.86	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.53	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.80	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.23	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.40	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.26	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.07	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.03	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.84	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.78	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.84	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.68	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.85	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.48	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.62	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.30	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.29	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.22	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.94	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.02	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.22	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.89	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.22	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.80	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.04	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.55	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.49	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.22	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.35	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.41	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.98	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.15	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.80	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.37	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.33	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.11	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.93	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.45	13	PASS

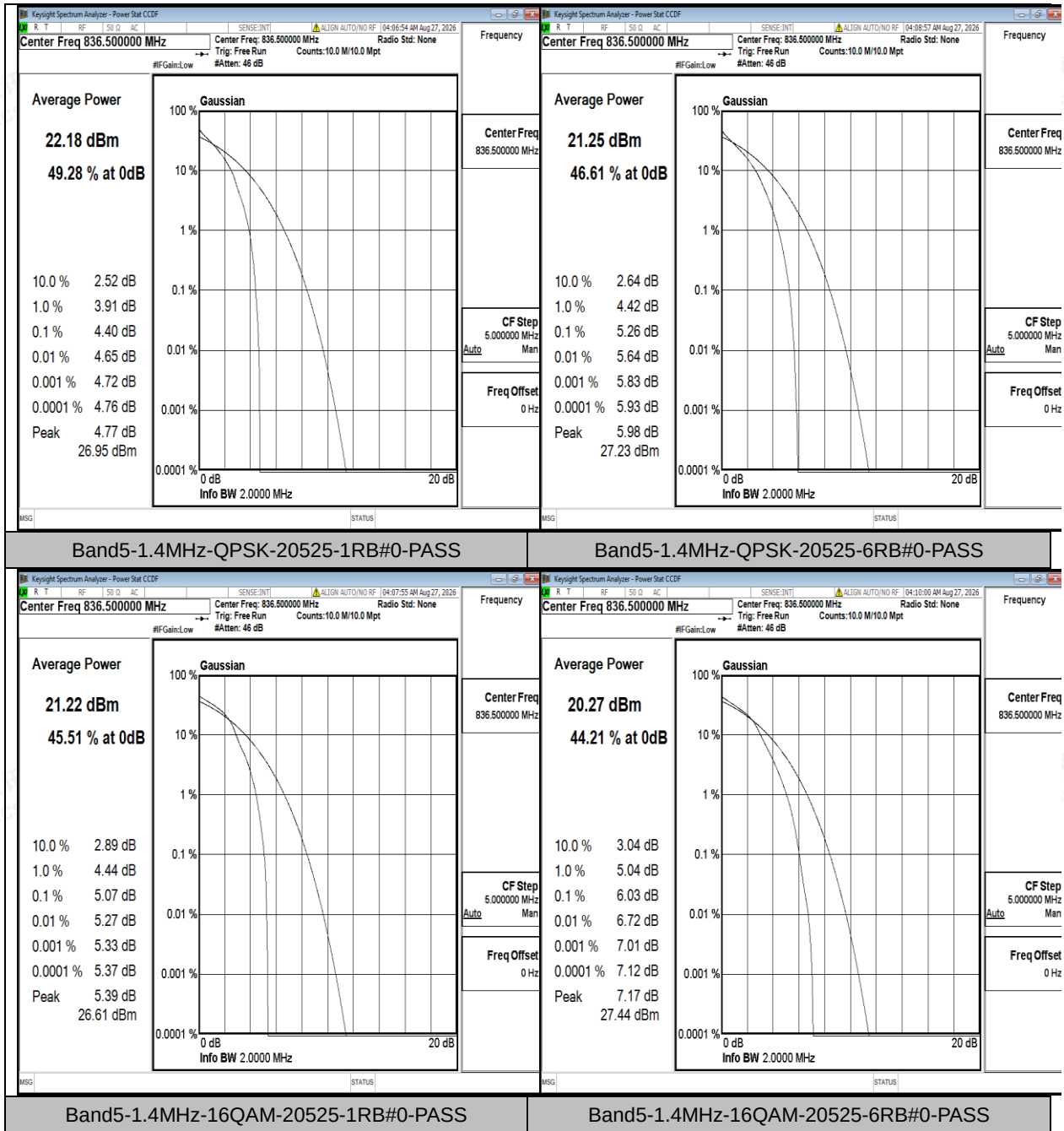


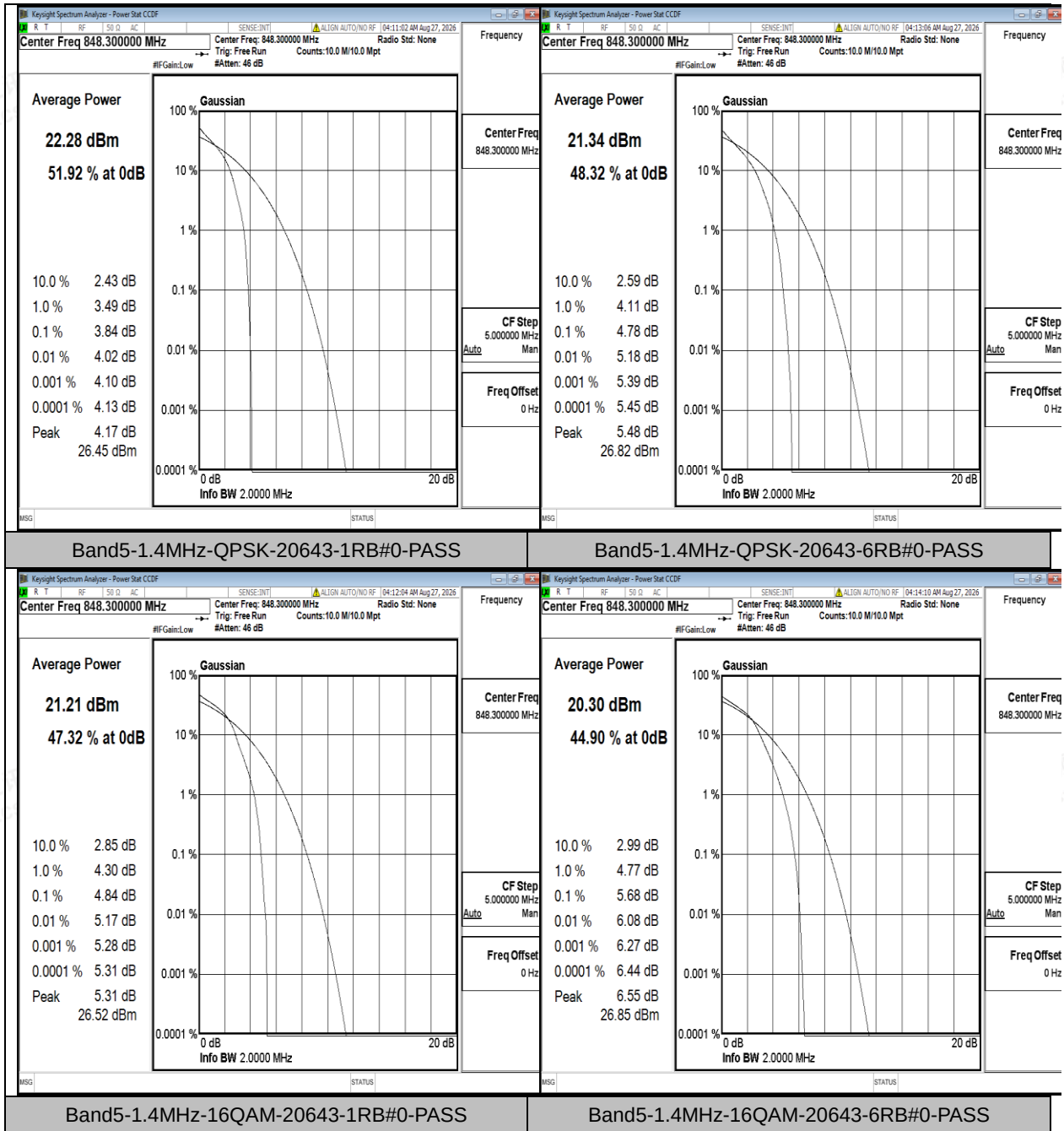
Band5	10MHz	16QAM	20450	1RB#0	5.74	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.35	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.43	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.96	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.19	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.69	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.45	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.64	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.27	13	PASS

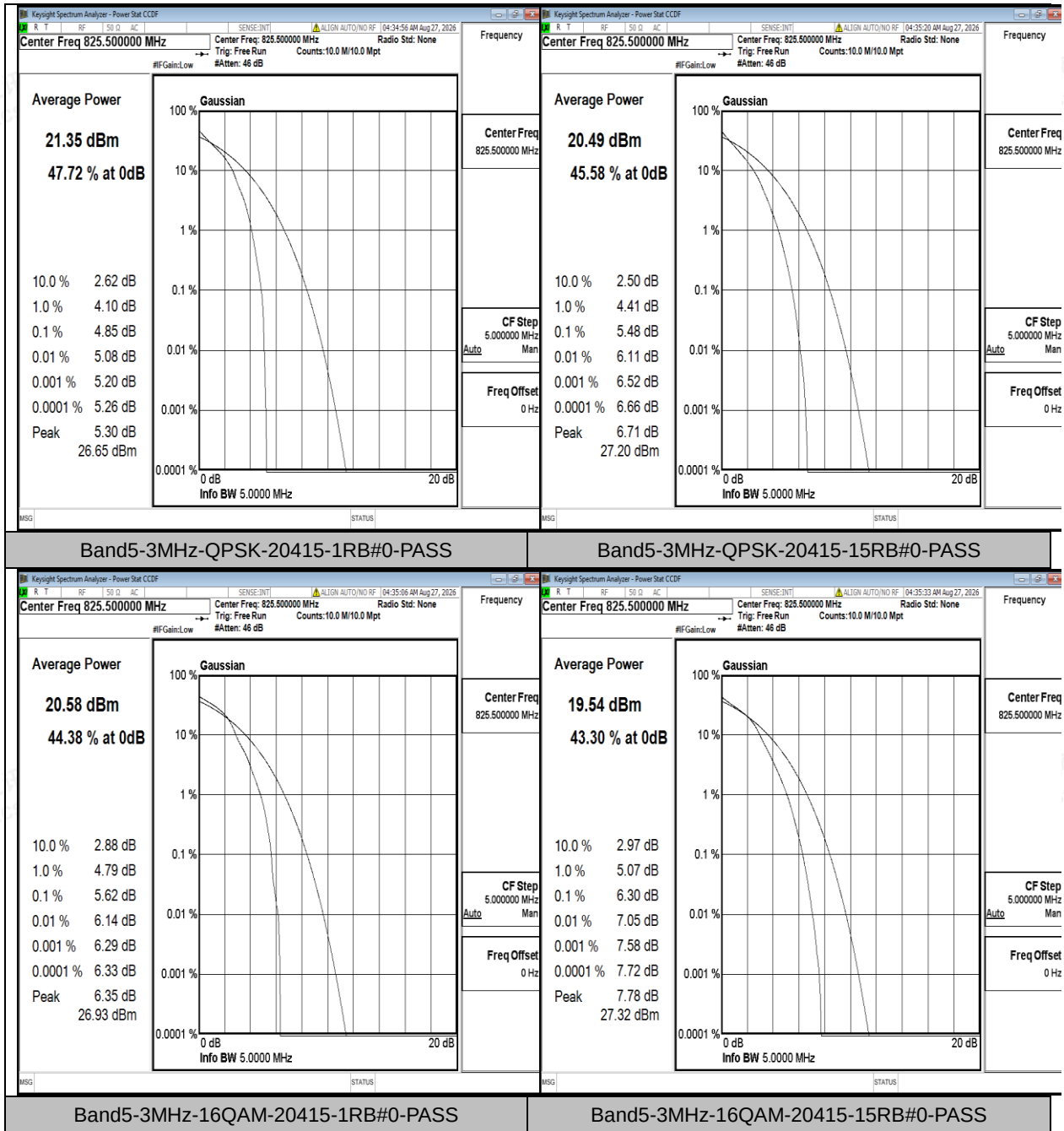


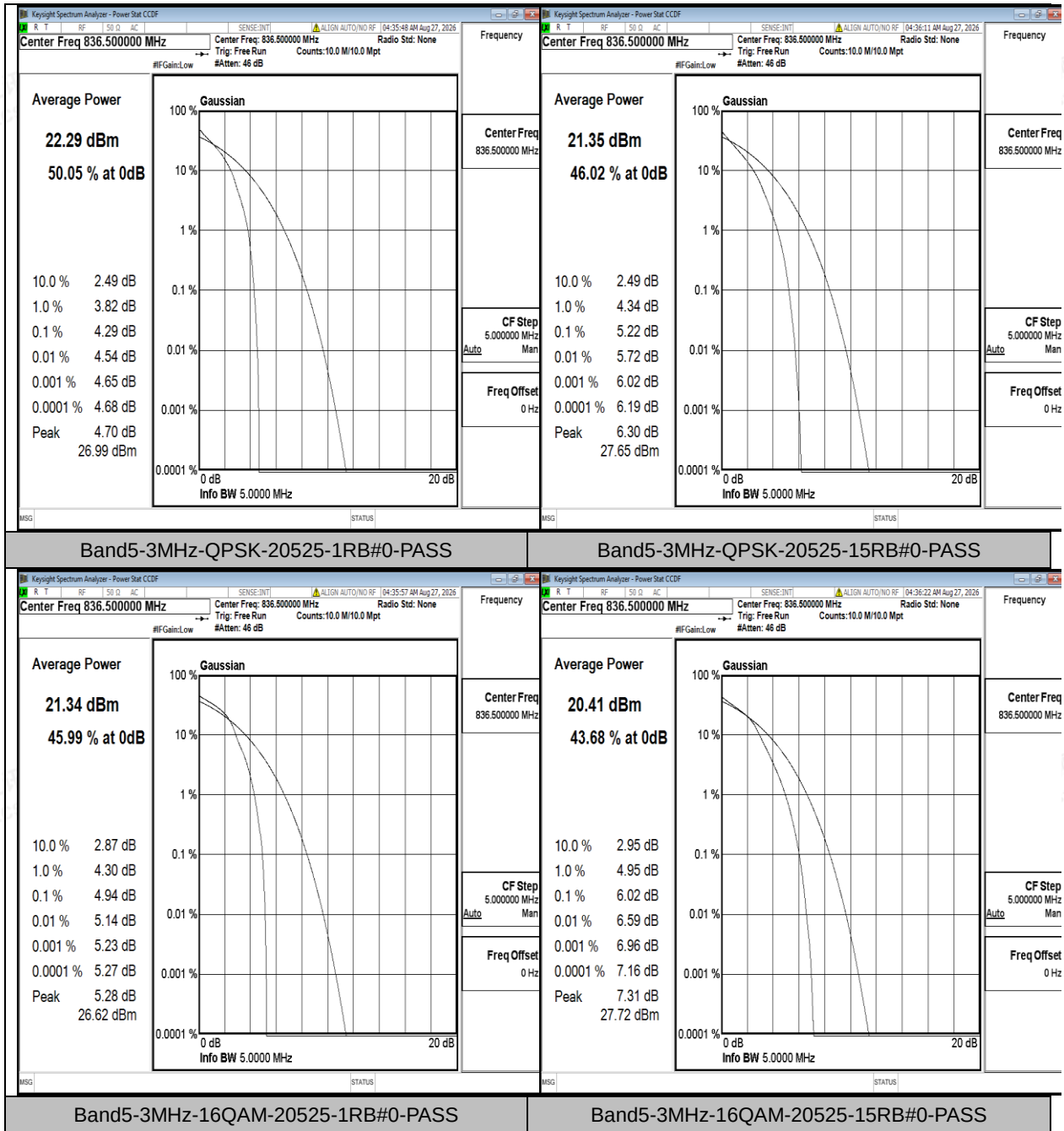
Test Graphs

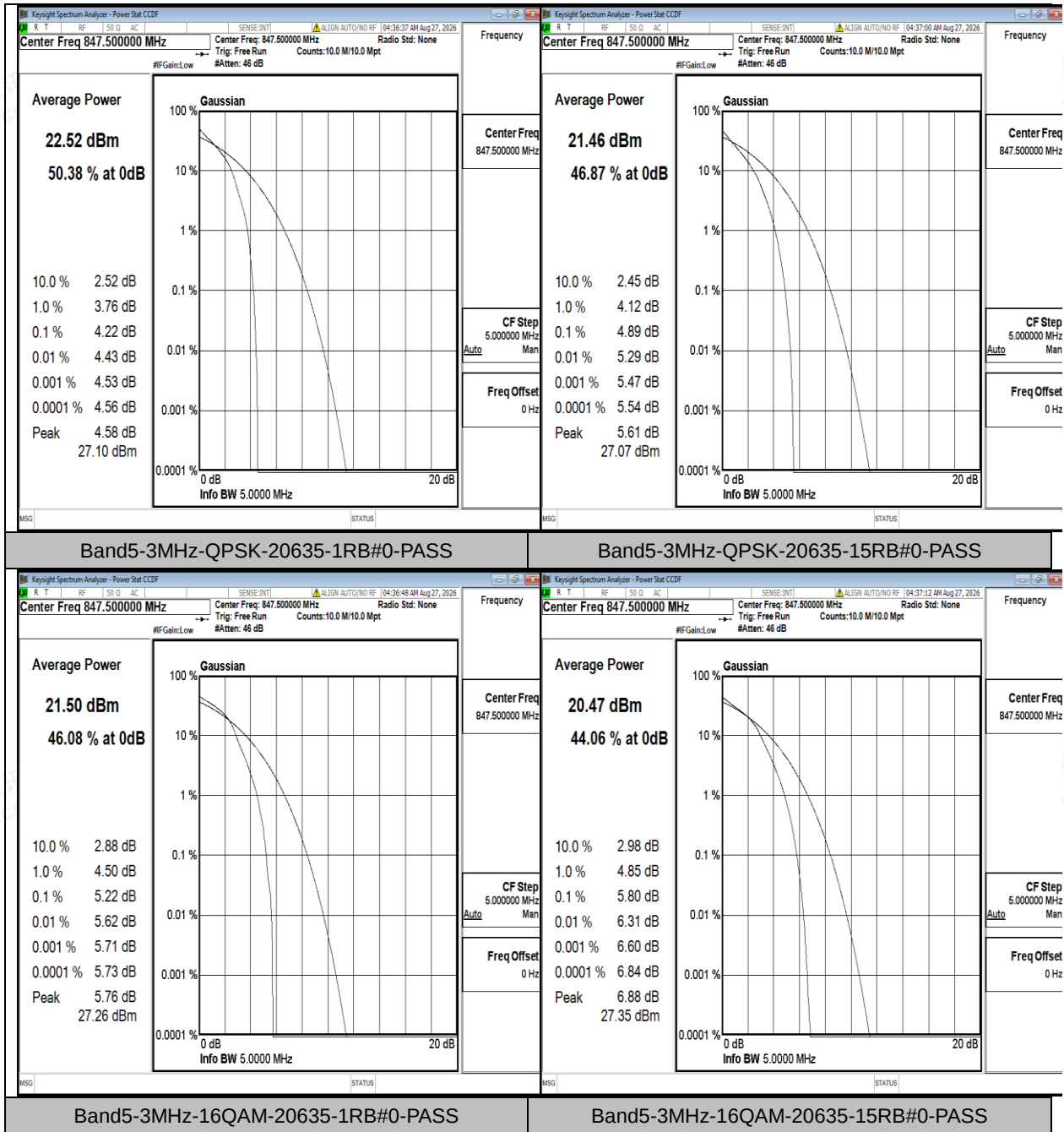


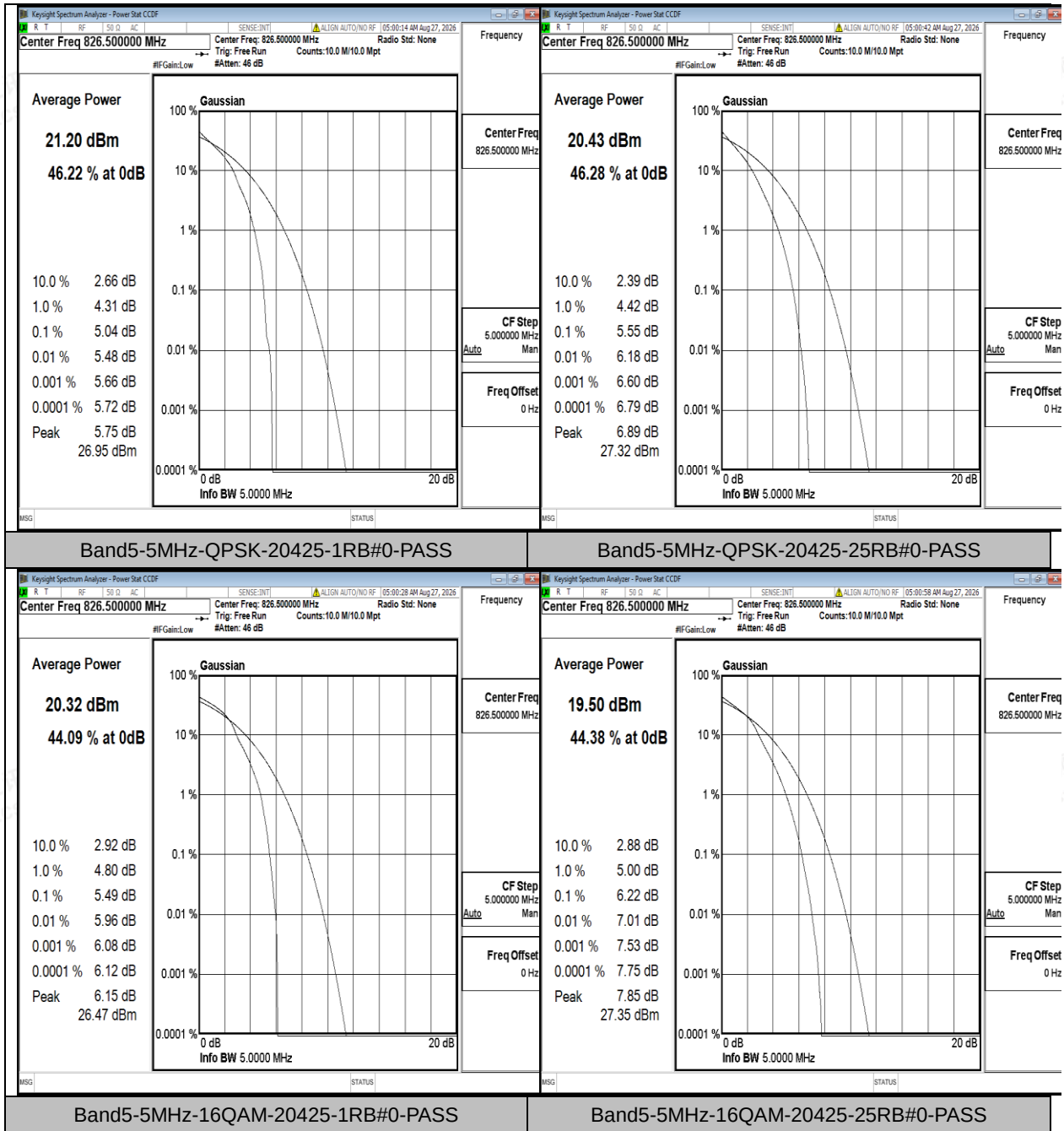


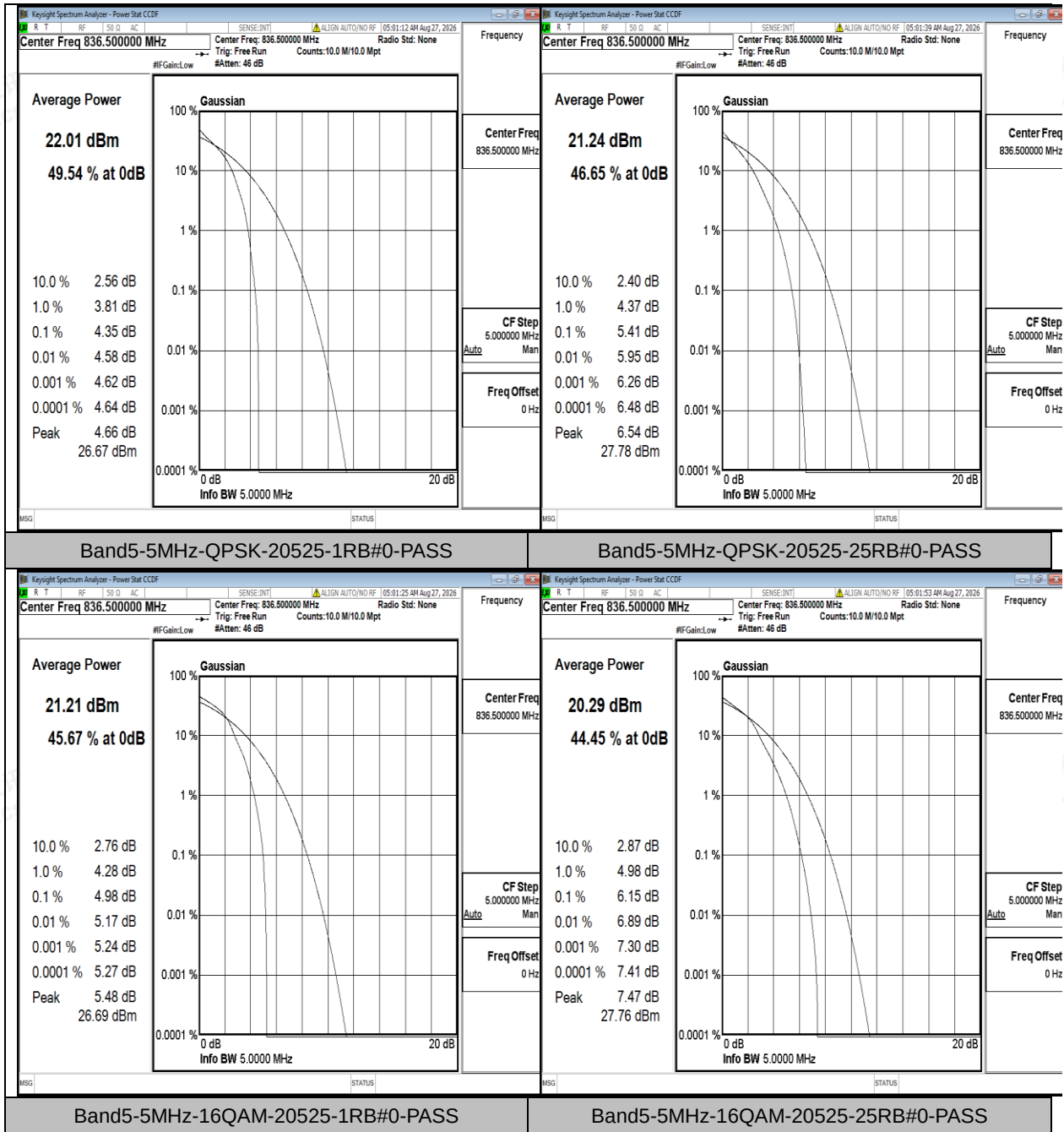


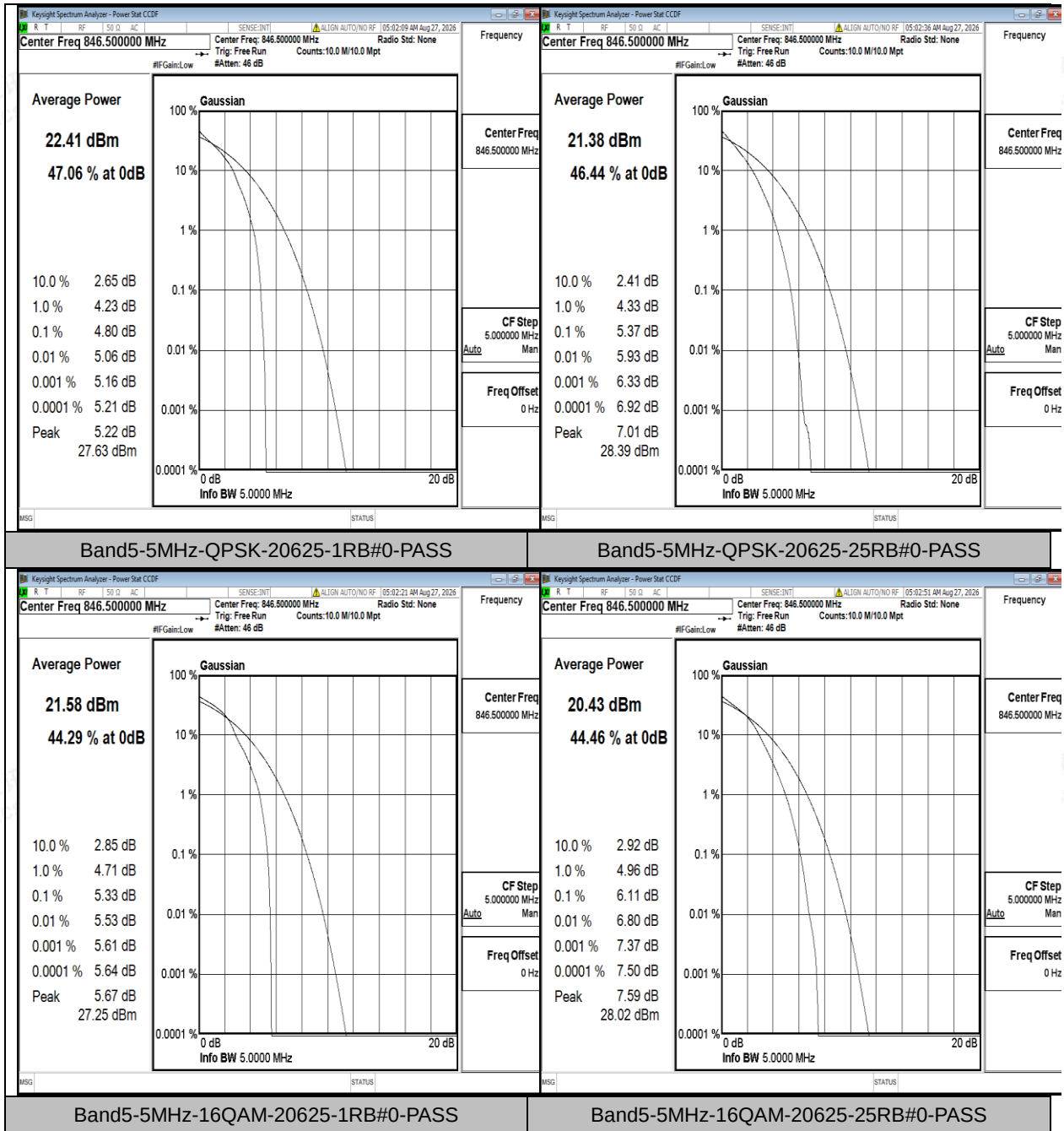


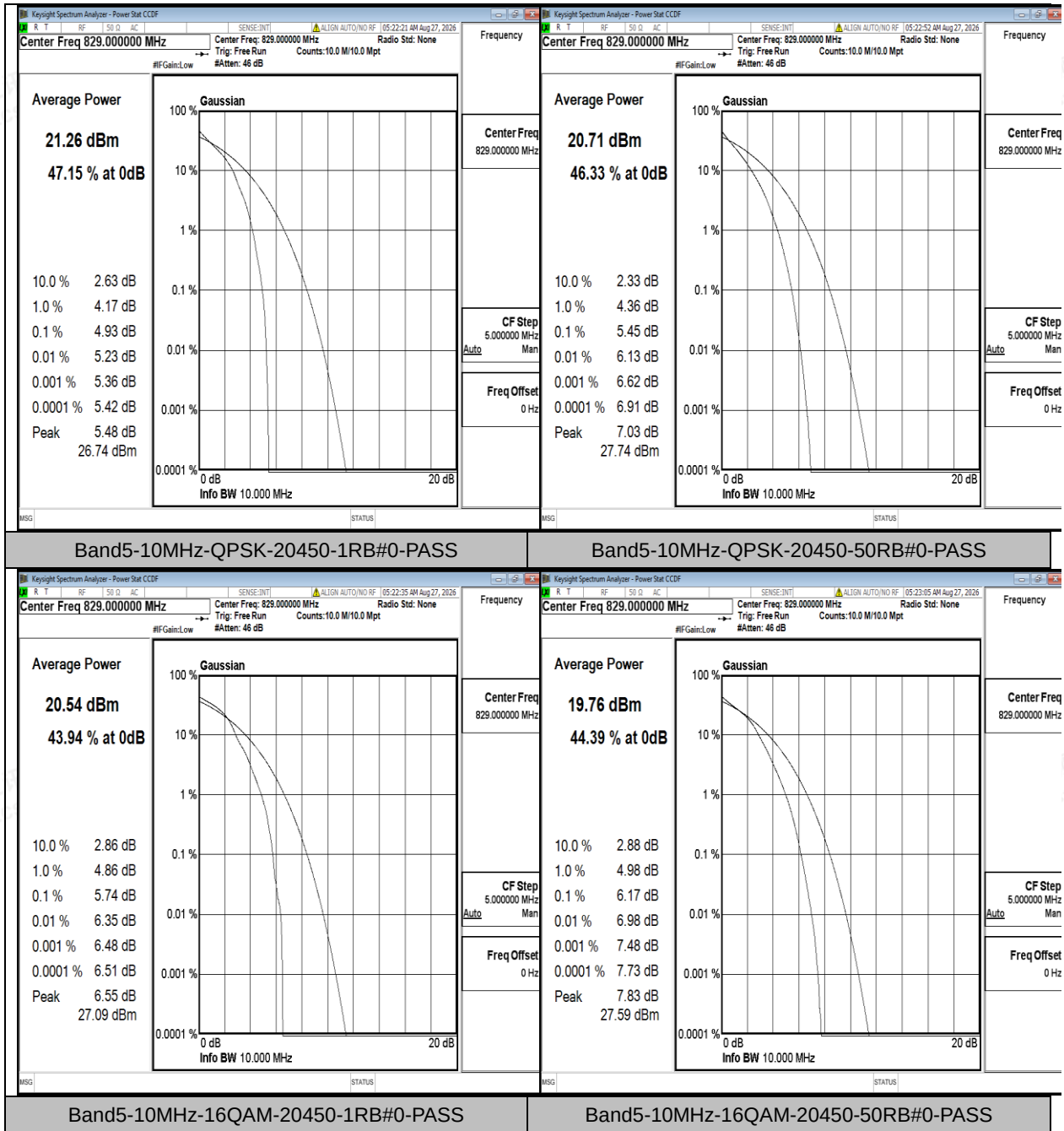


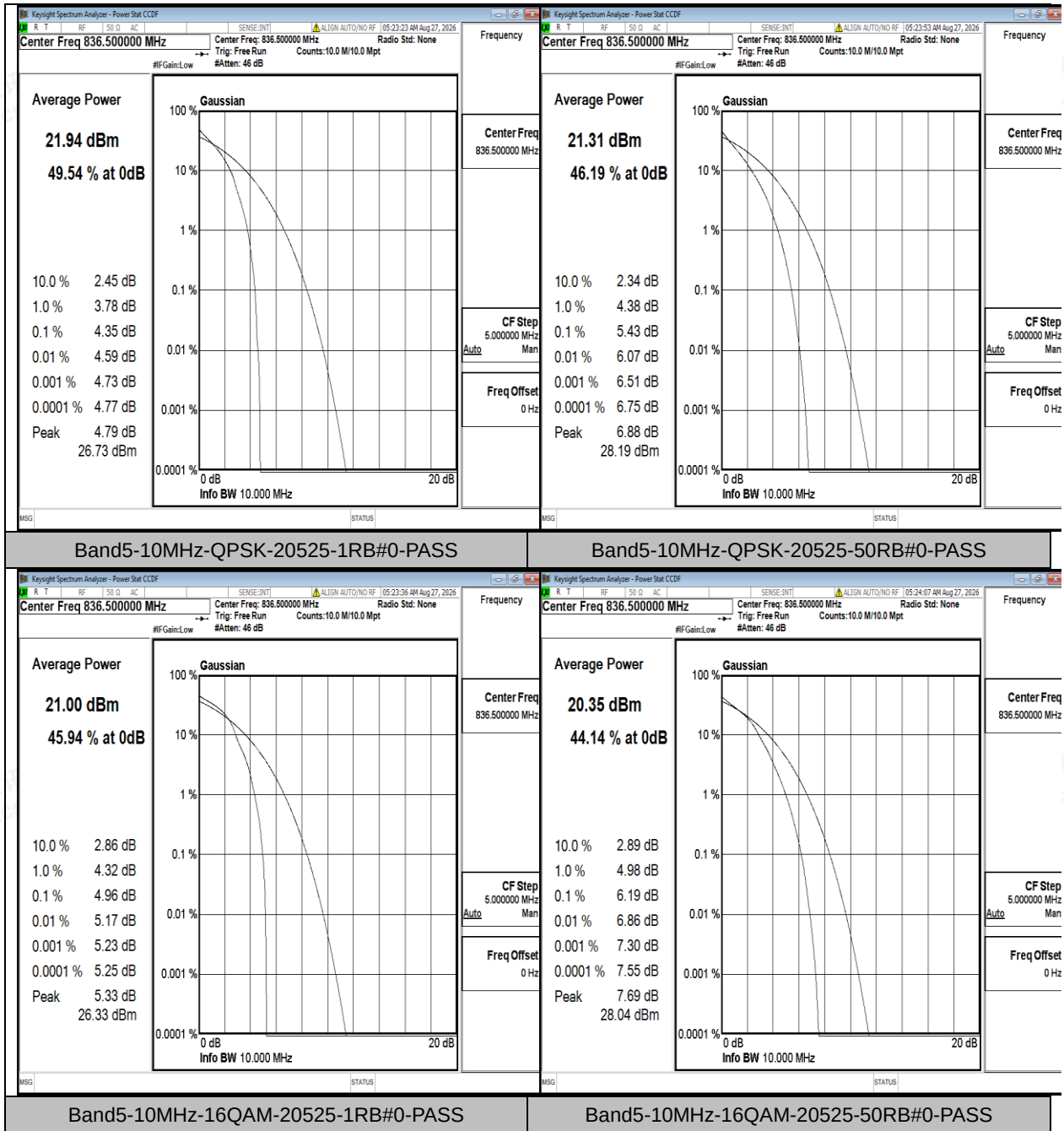


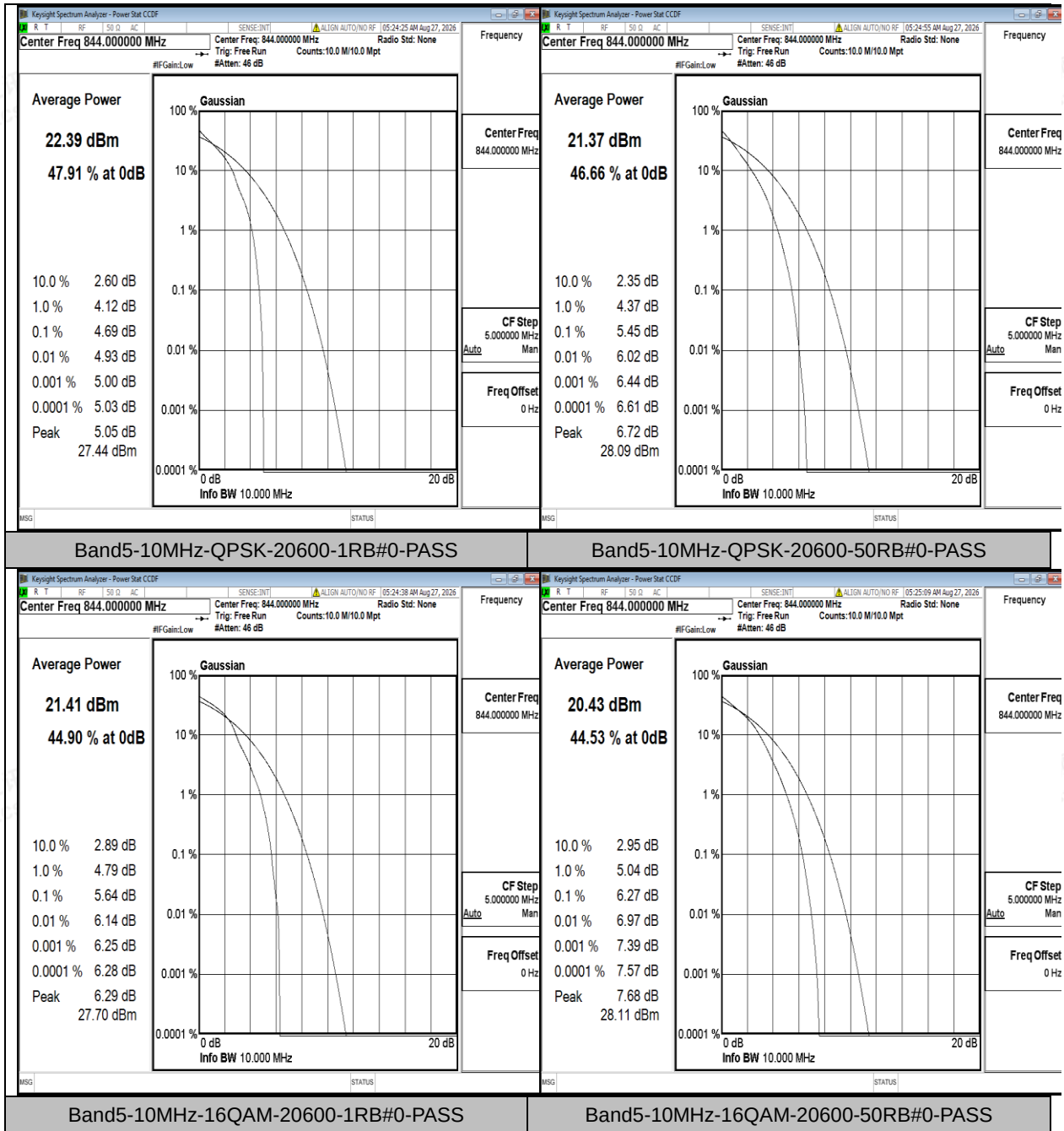














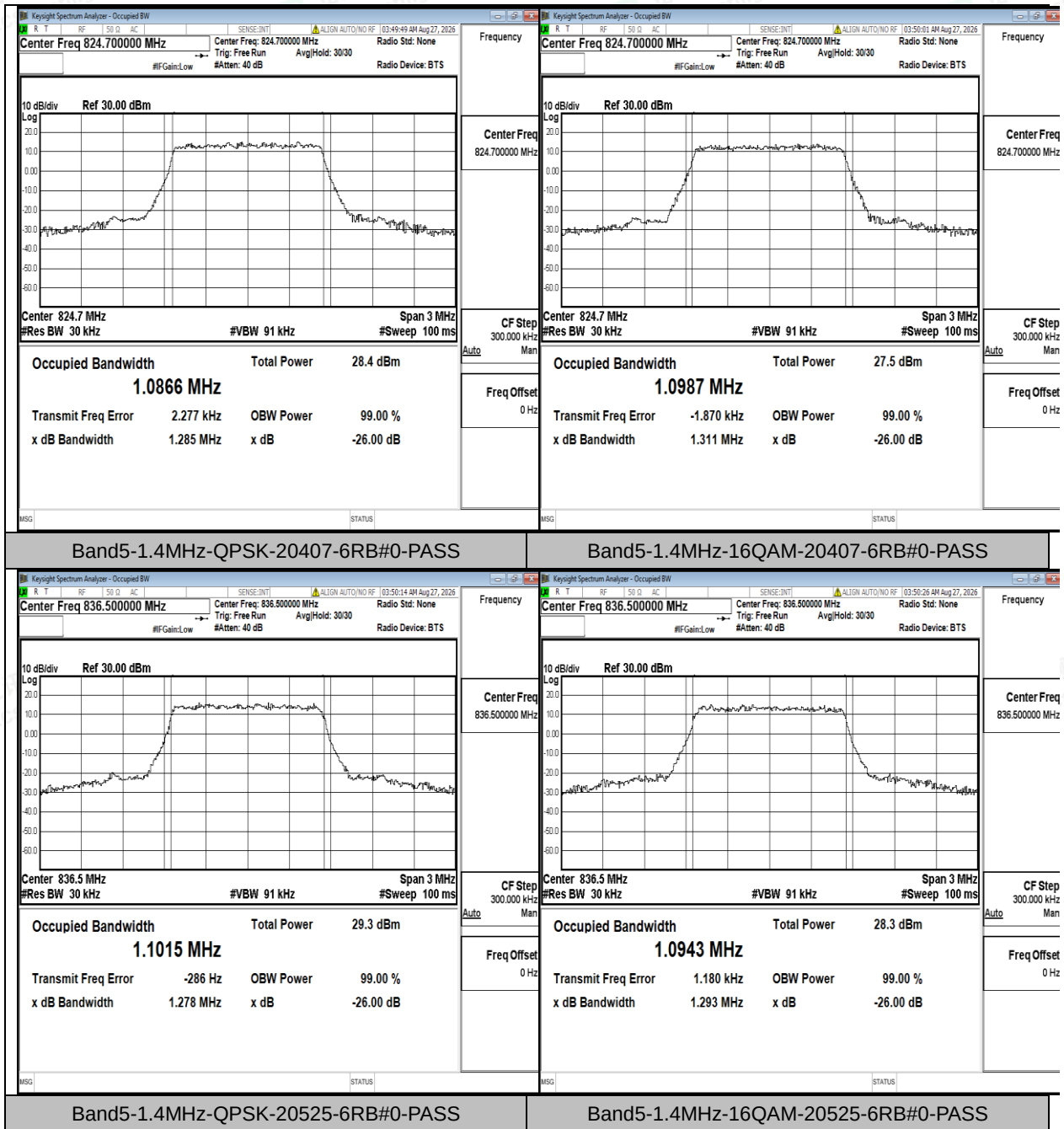
I.3 26dB Bandwidth and Occupied Bandwidth

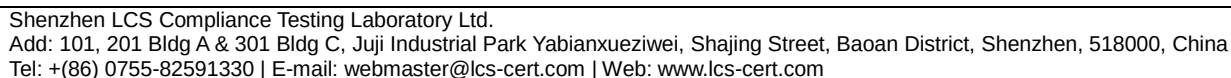
Test Result

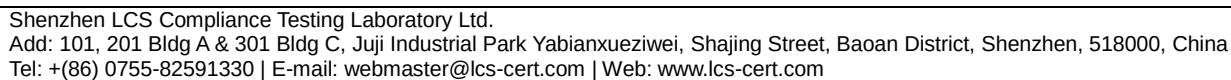
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0866	1.285	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0987	1.311	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1015	1.278	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0943	1.293	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0982	1.291	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0878	1.274	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7147	2.997	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7123	2.986	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7204	2.992	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7135	2.995	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7182	2.993	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7179	2.986	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4992	4.929	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4803	4.900	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4872	4.909	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4943	4.961	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4929	4.944	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5061	4.920	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9814	9.783	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9660	9.735	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9923	9.819	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9844	9.842	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9580	9.751	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9563	9.755	PASS

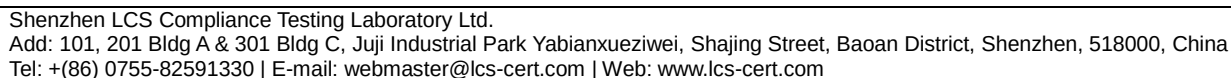


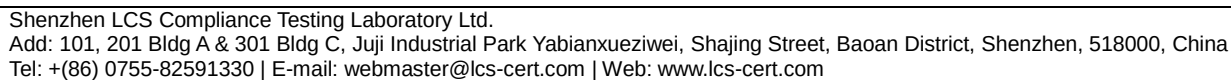
Test Graphs

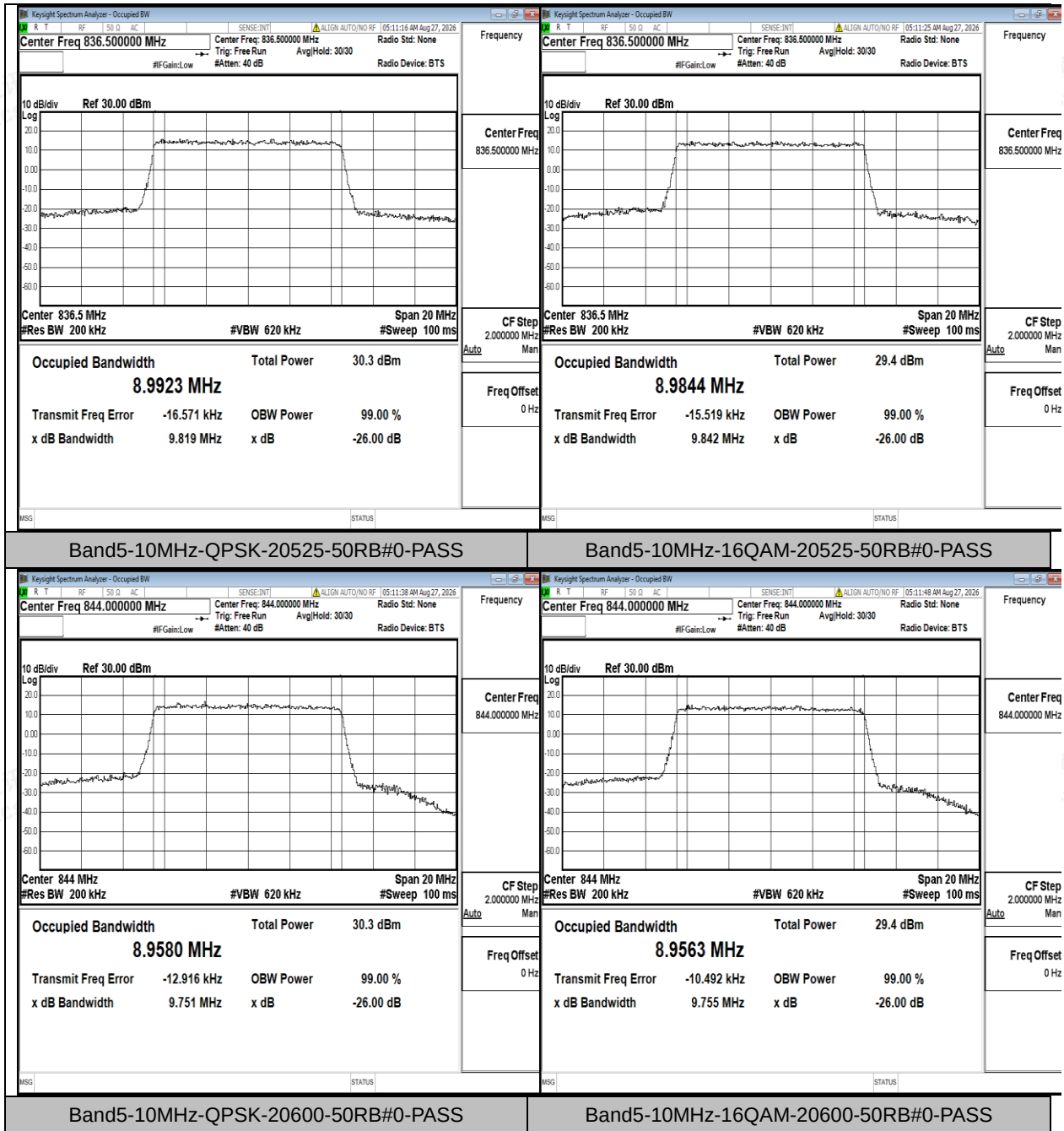














I.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-26.00	13.00	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-25.00	12.00	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-22.00	9.00	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-22.00	9.00	PASS
Band5	3MHz	QPSK	20415	15RB#0	-23.00	10.00	PASS
Band5	3MHz	16QAM	20415	15RB#0	-26.00	13.00	PASS
Band5	3MHz	QPSK	20635	15RB#0	-25.00	12.00	PASS
Band5	3MHz	16QAM	20635	15RB#0	-25.00	12.00	PASS
Band5	5MHz	QPSK	20425	25RB#0	-21.00	8.00	PASS
Band5	5MHz	16QAM	20425	25RB#0	-21.00	8.00	PASS
Band5	5MHz	QPSK	20625	25RB#0	-21.00	8.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	-21.00	8.00	PASS
Band5	10MHz	QPSK	20450	50RB#0	-21.00	8.00	PASS
Band5	10MHz	16QAM	20450	50RB#0	-25.00	12.00	PASS
Band5	10MHz	QPSK	20600	50RB#0	-23.00	10.00	PASS
Band5	10MHz	16QAM	20600	50RB#0	-26.00	13.00	PASS

Test Graphs

