



Appendix J: Test Data for E-UTRA Band 5

Product Name: TD-LTE digital mobile phone
Test Model: S26 Pro

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.76	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.60	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.79	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.65	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.71	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.61	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.70	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.65	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.70	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.65	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.70	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.62	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.84	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.32	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.82	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.50	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.83	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.55	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.75	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.41	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.88	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.20	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.88	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.20	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.84	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.11	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.00	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.22	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.09	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.34	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.20	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.48	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.74	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.55	PASS



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Scan code to check authenticity



Band5	1.4MHz	16QAM	20643	3RB#1	23.06	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.80	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.57	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.80	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.39	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.58	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.04	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.52	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.92	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.30	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.75	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.77	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.39	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.78	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.29	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.70	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.60	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.06	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.43	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.27	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.54	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.21	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.74	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.05	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.70	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.33	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.73	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.31	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.61	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.43	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.71	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.98	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.43	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.61	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.41	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.59	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.36	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.18	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.74	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.31	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.78	PASS



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Band5	3MHz	16QAM	20635	8RB#4	22.36	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.60	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.21	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.68	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.15	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.51	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.46	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.64	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.34	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.63	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.38	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.53	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.10	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.54	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.11	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.72	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.05	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.42	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.16	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.26	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.46	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.32	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.39	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.40	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.50	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.63	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.21	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.61	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.38	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.76	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.29	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.70	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.20	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.56	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.02	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.50	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.17	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.83	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.53	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.88	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.40	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.84	PASS



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Band5	5MHz	16QAM	20625	12RB#6	22.29	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.72	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.11	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.95	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.30	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.46	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.23	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.38	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.96	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.43	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.98	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.64	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.06	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.67	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.06	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.91	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.99	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.77	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.06	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.55	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.08	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.58	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.26	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.48	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.29	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.73	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.23	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.70	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.19	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.67	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.23	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.73	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.16	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.59	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.68	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.58	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.56	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.12	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.00	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.65	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.19	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.70	PASS



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Band5	10MHz	16QAM	20600	25RB#12	22.21	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.74	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.40	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.86	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.25	PASS





J.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	4.79	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.12	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.66	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.25	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.57	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.47	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.48	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.02	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.61	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.39	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.03	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.85	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.10	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.78	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.85	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.53	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.75	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.38	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.61	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.25	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.72	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.64	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.70	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.34	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.16	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.89	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.42	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.92	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.45	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.30	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.14	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.58	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.91	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.21	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.69	13	PASS



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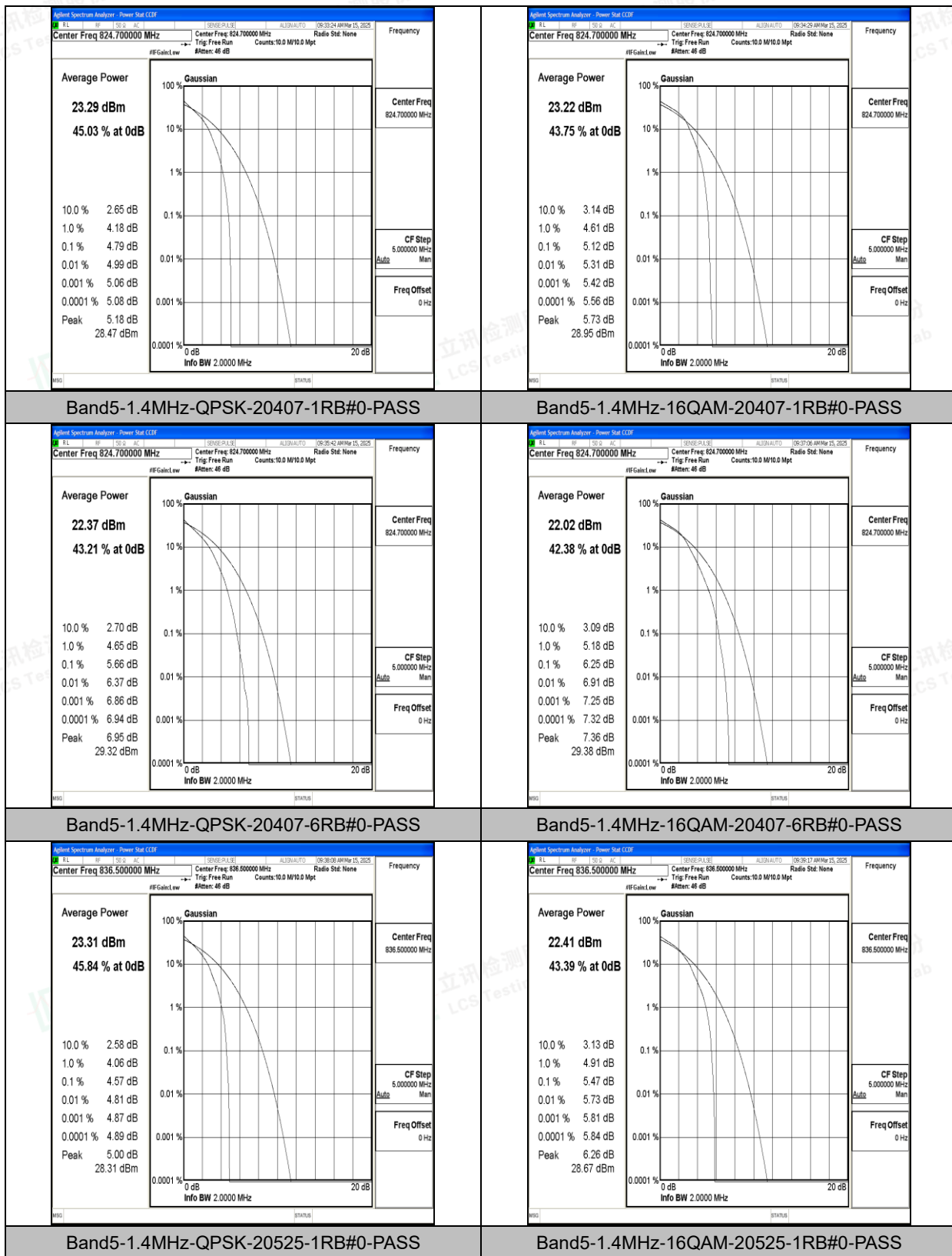


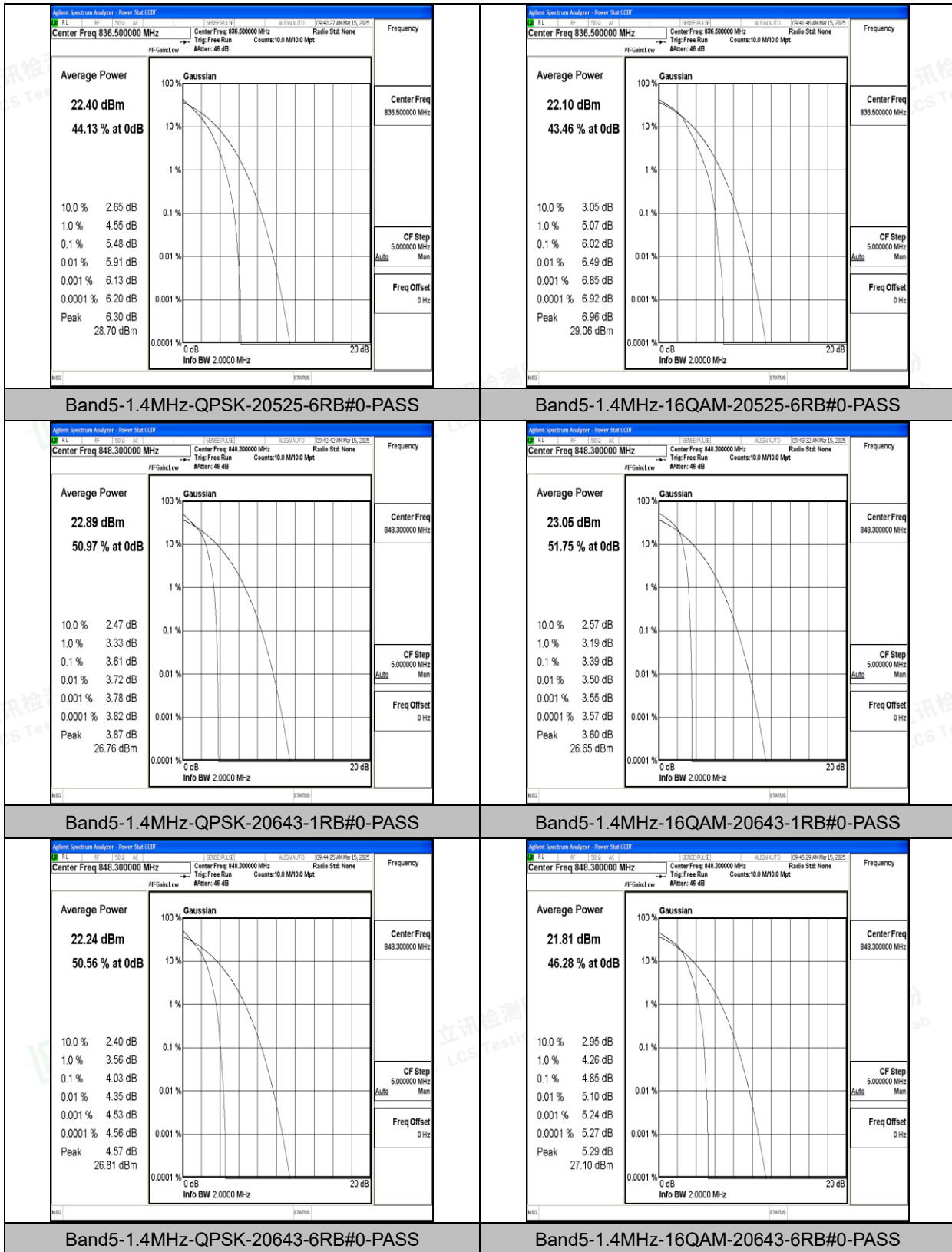
Band5	10MHz	QPSK	20450	50RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.34	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.84	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.32	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.34	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.79	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.93	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.36	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.00	13	PASS

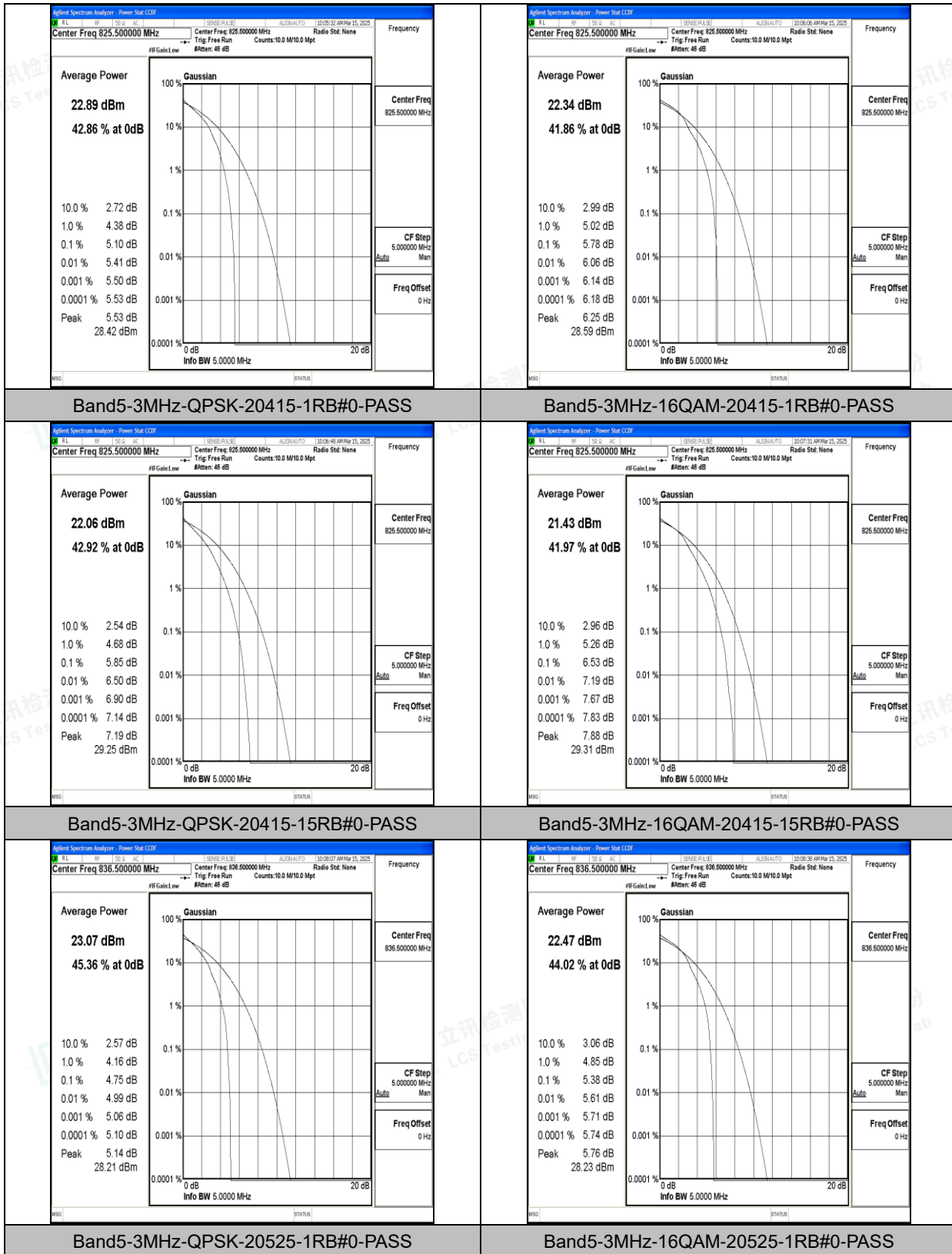


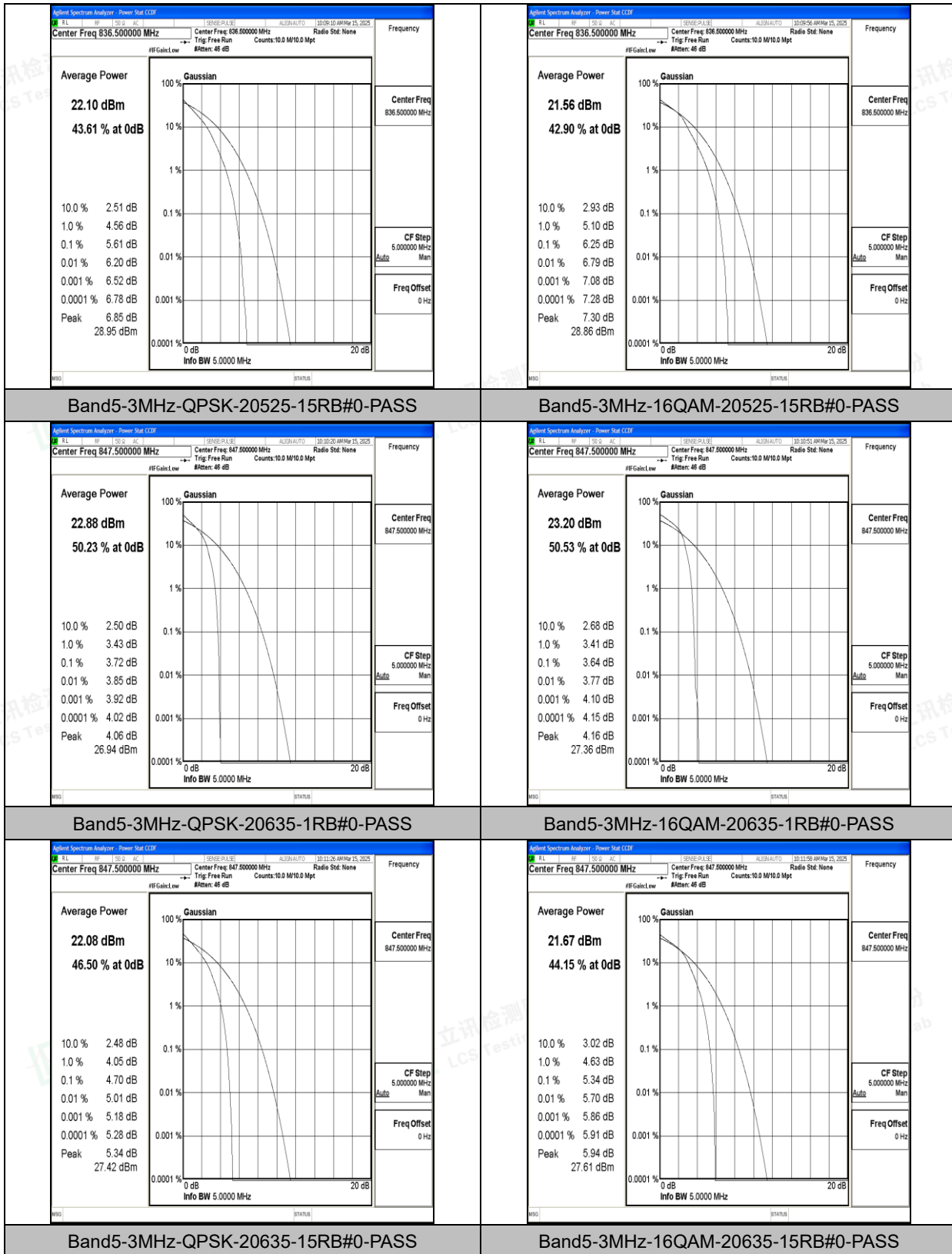


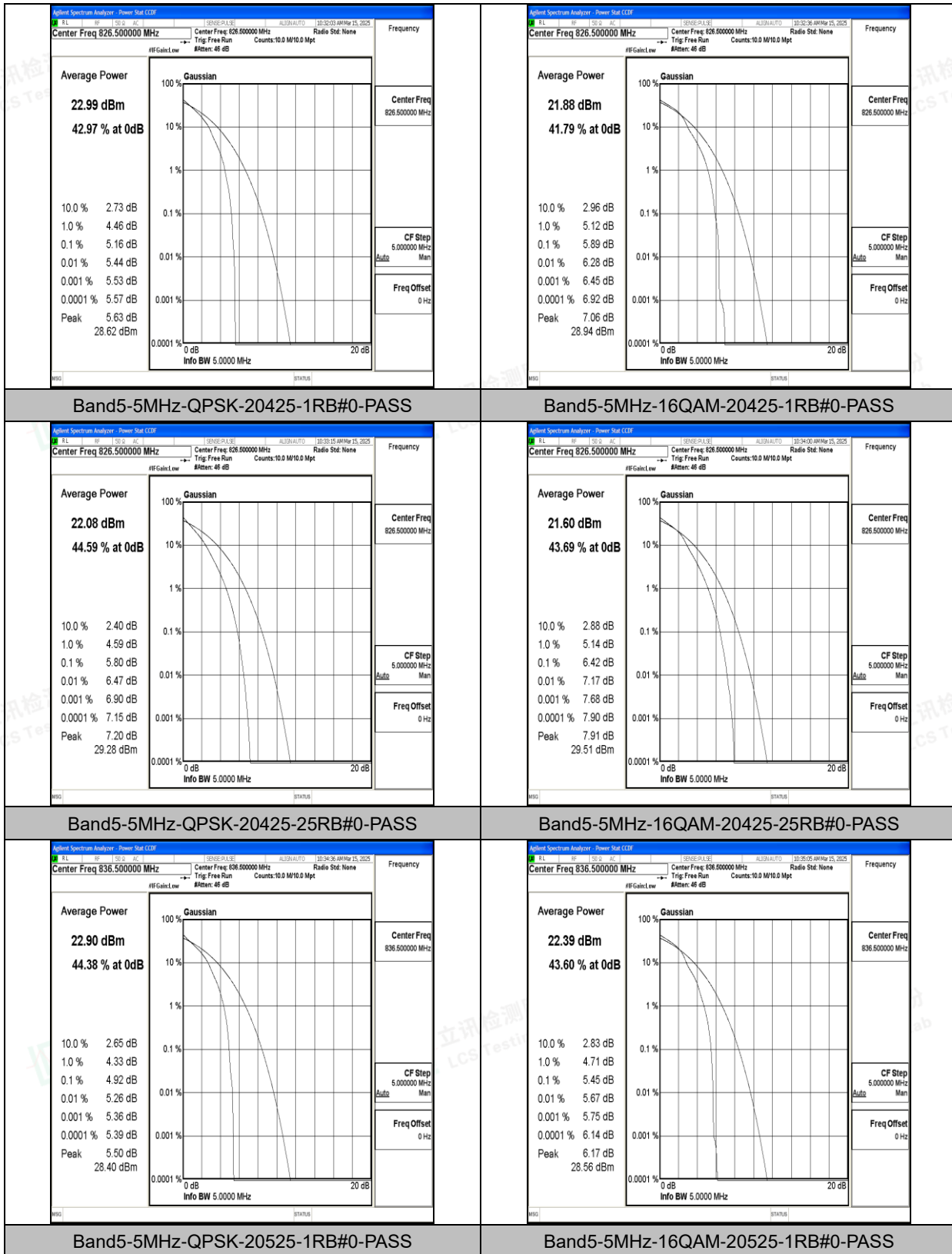
Test Graphs

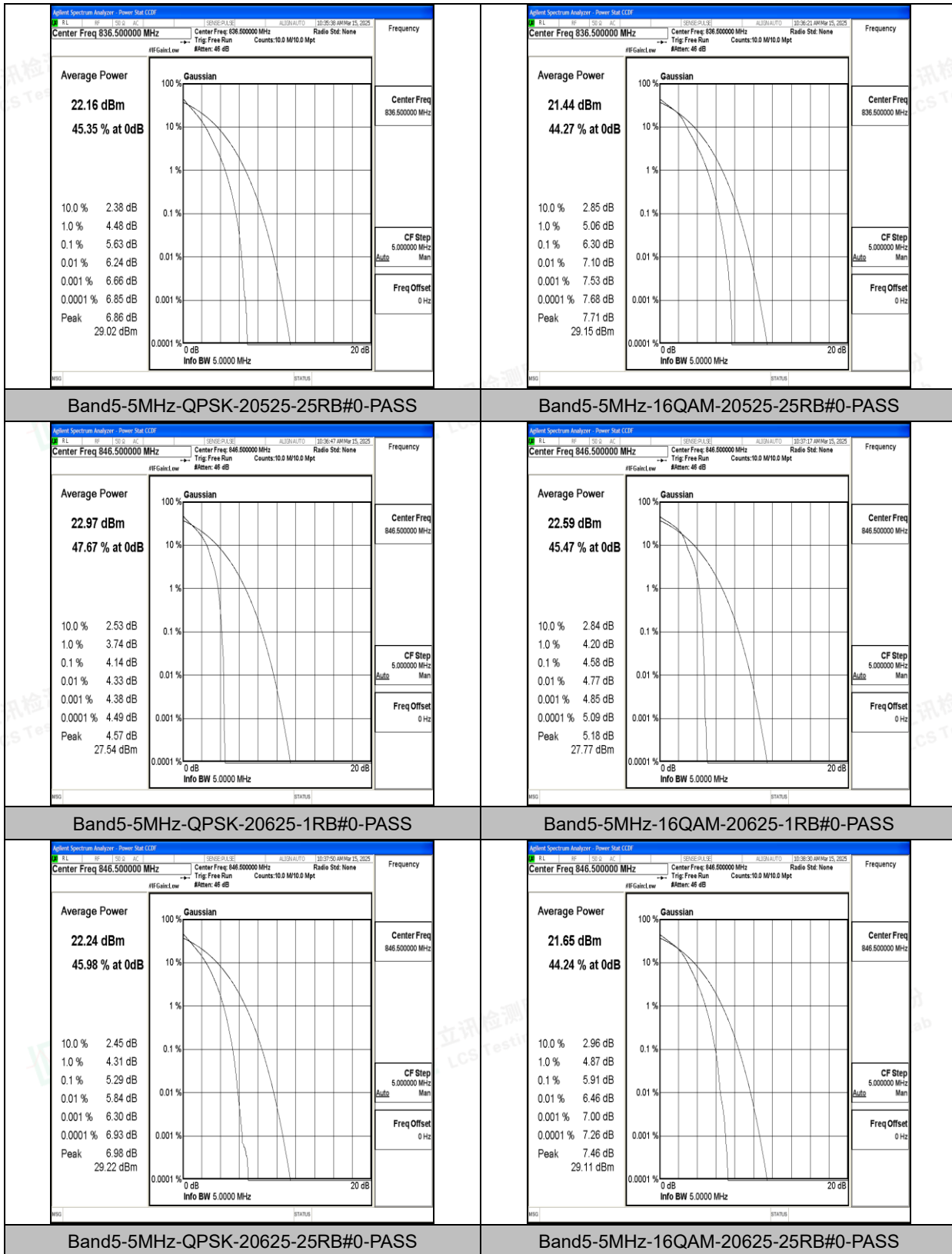


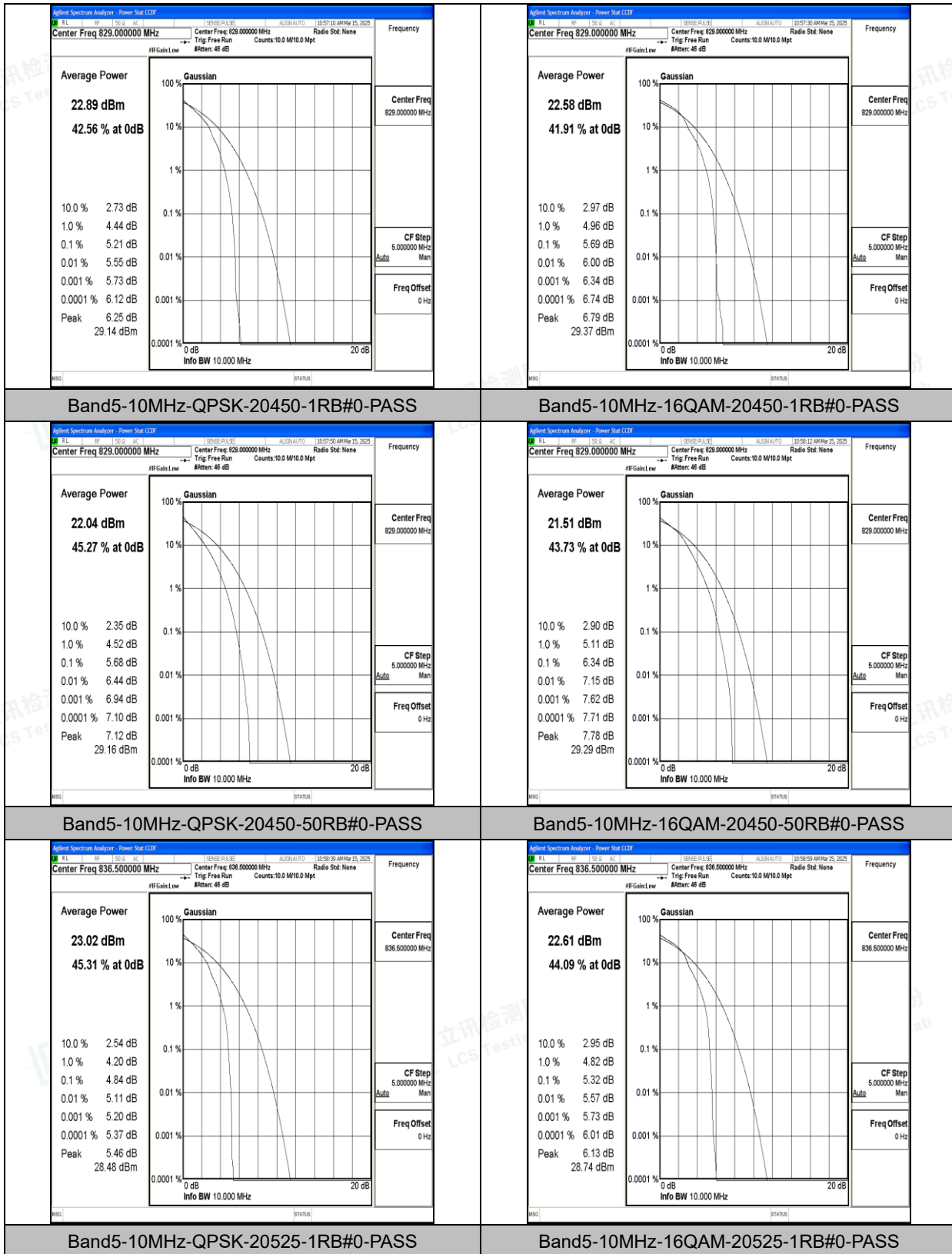


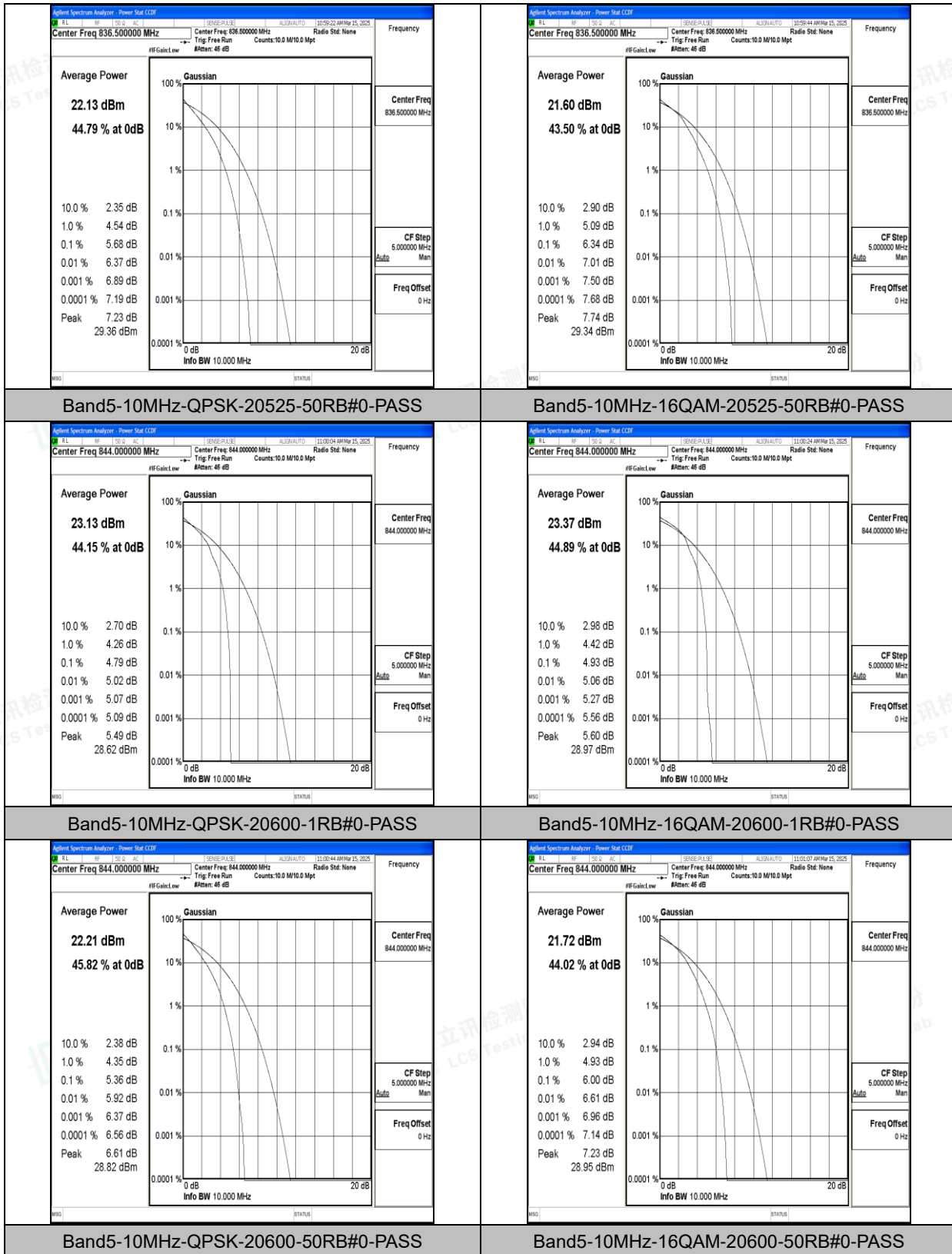














J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

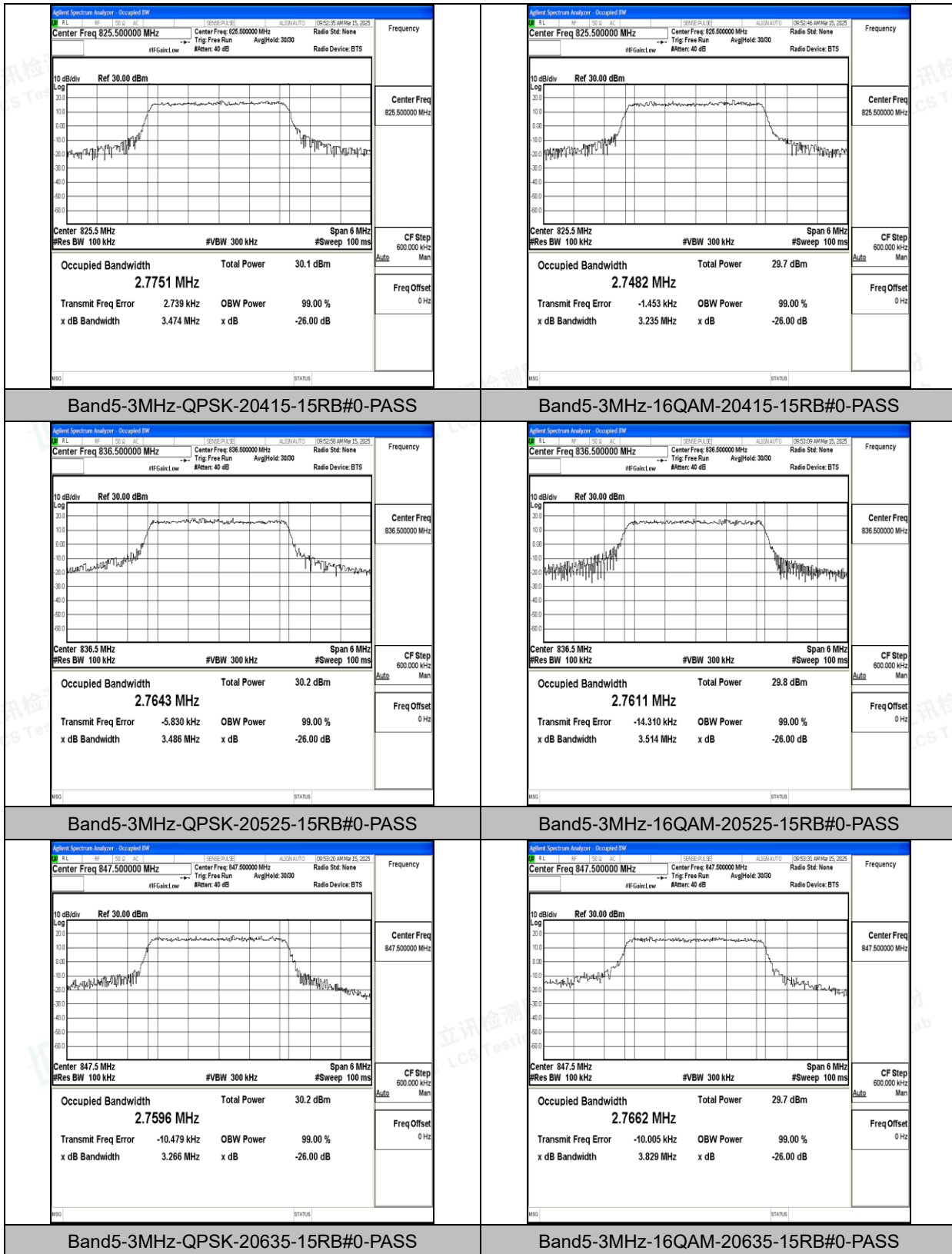
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0963	1.295	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0995	1.306	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1012	1.284	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1014	1.319	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0944	1.252	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0980	1.353	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7751	3.474	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7482	3.235	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7643	3.486	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7611	3.514	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7596	3.266	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7662	3.829	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5235	5.250	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5246	5.242	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5066	5.317	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5281	5.411	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5369	5.392	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5600	5.385	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9832	10.08	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9875	9.967	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0235	10.15	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0215	10.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9553	10.06	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9998	9.967	PASS

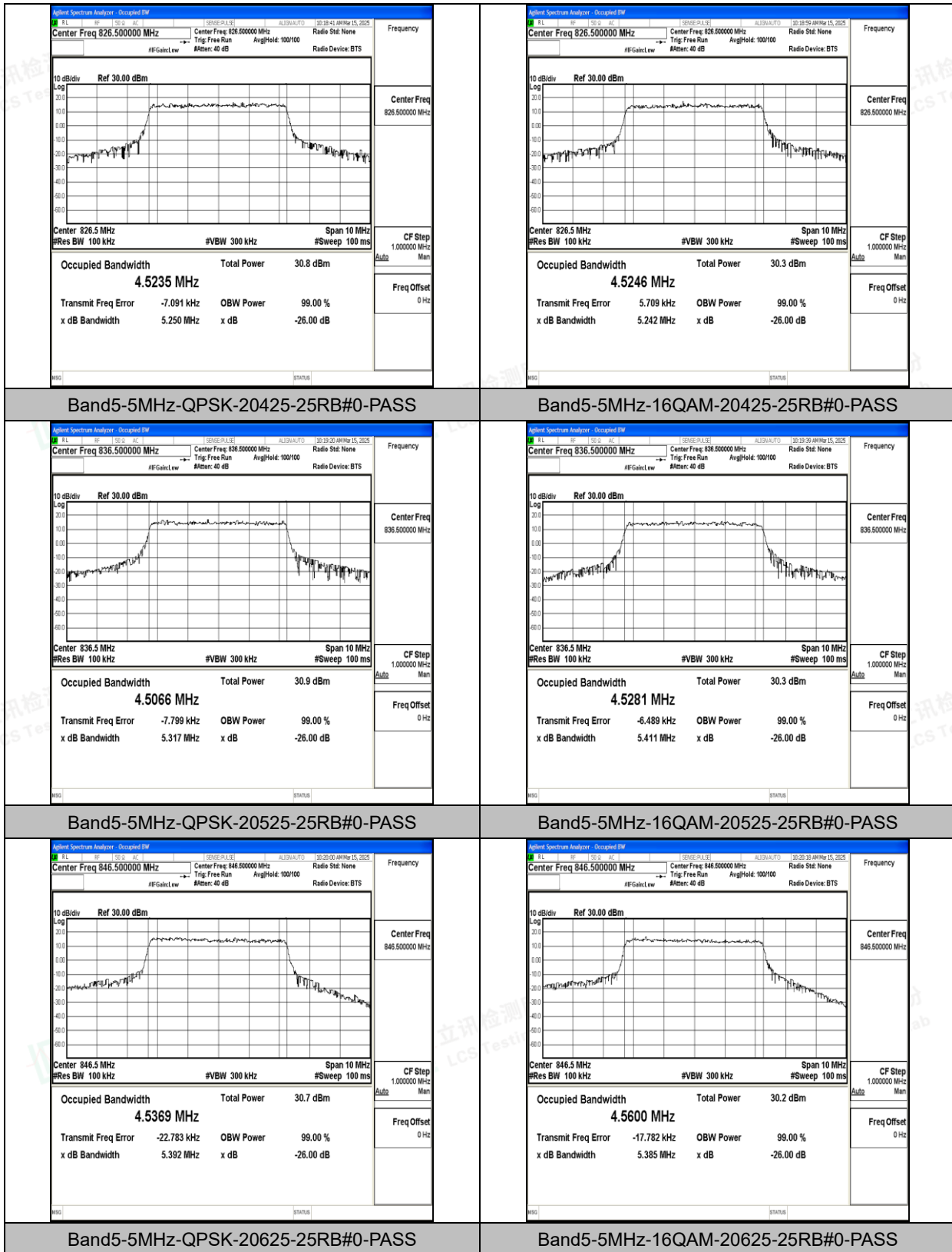


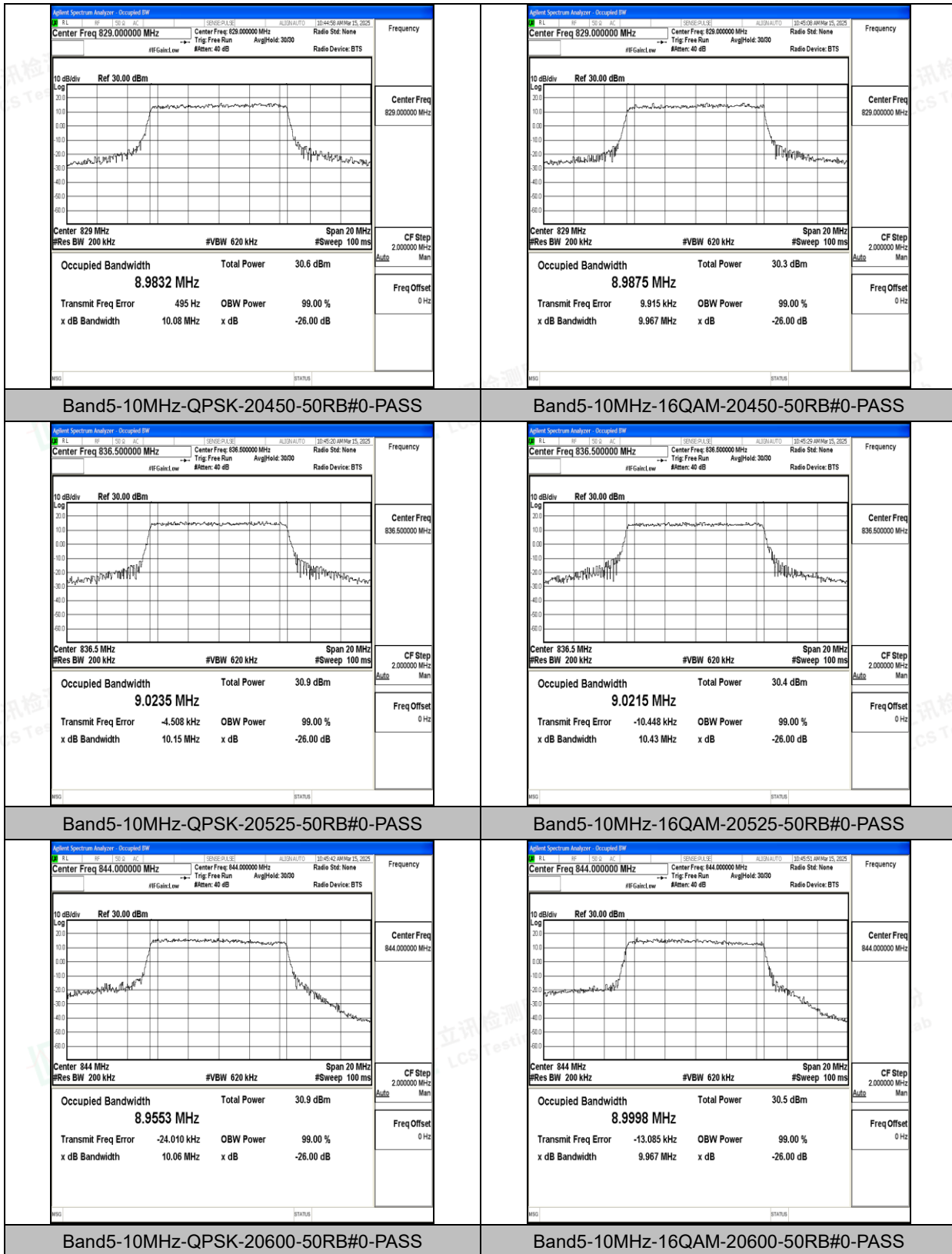


Band5-1.4MHz-16QAM-20643-6RB#0-PASS

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J.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-15.82	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-17.05	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-14.61	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-16.24	PASS
Band5	3MHz	QPSK	20415	15RB#0	-27.00	PASS
Band5	3MHz	16QAM	20415	15RB#0	-25.14	PASS
Band5	3MHz	QPSK	20635	15RB#0	-27.40	PASS
Band5	3MHz	16QAM	20635	15RB#0	-25.77	PASS
Band5	5MHz	QPSK	20425	25RB#0	-27.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	-14.78	PASS
Band5	10MHz	16QAM	20450	50RB#0	-17.09	PASS
Band5	5MHz	16QAM	20425	25RB#0	-30.11	PASS
Band5	5MHz	QPSK	20625	25RB#0	-25.99	PASS
Band5	5MHz	16QAM	20625	25RB#0	-23.72	PASS
Band5	10MHz	QPSK	20600	50RB#0	-13.42	PASS
Band5	10MHz	16QAM	20600	50RB#0	-13.77	PASS

Test Graphs

