



Appendix A: Test Data for E-UTRA Band 5

Product Name: Pet GPS Tracker & Health Monitor

Test Model: C08

Environmental Conditions

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





A.1 Conducted Output Power Data Test Result

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.33	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.62	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.29	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.81	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.45	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.73	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.42	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.74	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.27	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.73	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.65	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.22	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.31	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.40	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.33	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.30	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.57	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.56	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.56	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.54	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.50	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.89	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.58	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.30	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.26	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.18	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.11	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.29	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.13	PASS



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Band5	1.4MHz	QPSK	20643	3RB#1	23.55	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.11	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.59	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.06	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.74	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.18	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.43	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.93	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.52	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.01	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.58	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.96	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.67	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.20	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.67	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.17	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.62	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.29	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.53	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.05	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.62	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.43	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.59	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.46	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.88	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.22	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.83	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.47	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.85	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.48	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.96	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.81	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.13	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.54	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.68	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.44	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.67	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.38	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.22	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.85	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.35	PASS



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Band5	3MHz	QPSK	20635	8RB#4	22.87	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.41	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.74	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.34	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.81	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.19	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.57	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.38	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.60	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.38	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.65	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.40	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.65	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.07	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.65	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.07	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.68	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.06	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.74	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.22	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.47	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.55	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.57	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.60	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.67	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.70	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.90	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.30	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.76	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.31	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.81	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.49	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.92	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.35	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.76	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.16	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.57	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.97	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.59	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.32	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.06	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.31	PASS



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Band5	5MHz	QPSK	20625	12RB#6	23.13	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.33	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.77	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.17	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.93	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.39	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.54	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.98	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.56	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.13	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.68	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.23	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.60	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.08	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.67	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.09	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.72	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.69	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.21	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.63	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.26	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.79	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.38	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.86	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.38	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.86	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.39	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.72	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.40	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.87	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.52	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.86	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.50	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.88	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.92	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.71	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.75	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.11	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.81	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.93	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.49	PASS



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Band5	10MHz	QPSK	20600	25RB#12	23.04	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.40	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.94	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.02	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.32	PASS





A.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	5.08	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.84	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.41	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.85	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.74	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.61	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.20	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.98	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.74	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.54	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.20	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.04	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.75	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.85	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.51	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.77	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.24	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.24	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.74	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.64	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.34	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.14	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.79	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.40	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.89	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.31	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.62	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.25	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.09	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.50	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.25	13	PASS



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Band5	5MHz	16QAM	20625	25RB#0	5.83	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.07	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.57	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.65	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.33	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.71	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.30	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.62	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.27	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.65	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.76	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.94	13	PASS



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Test Graphs



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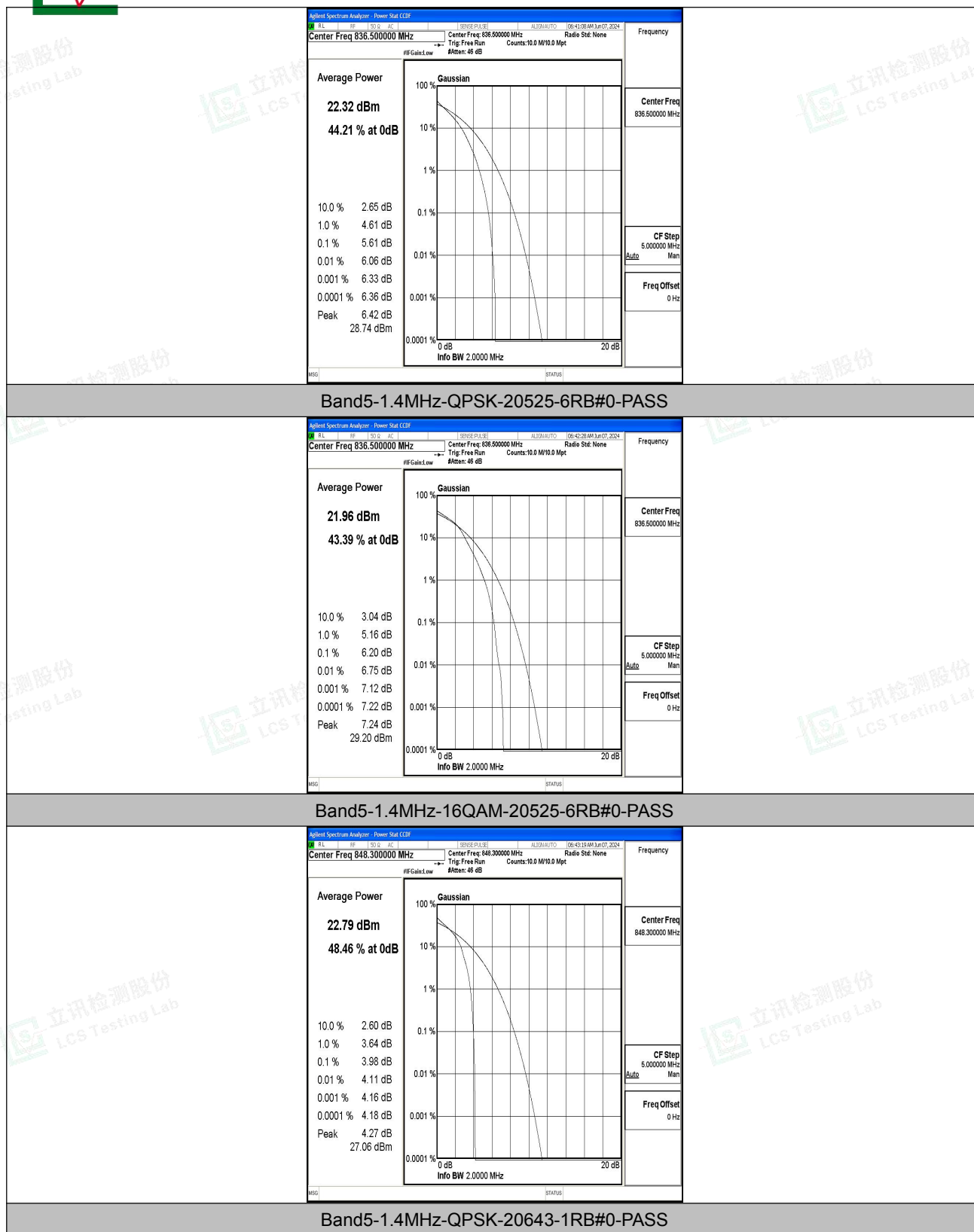


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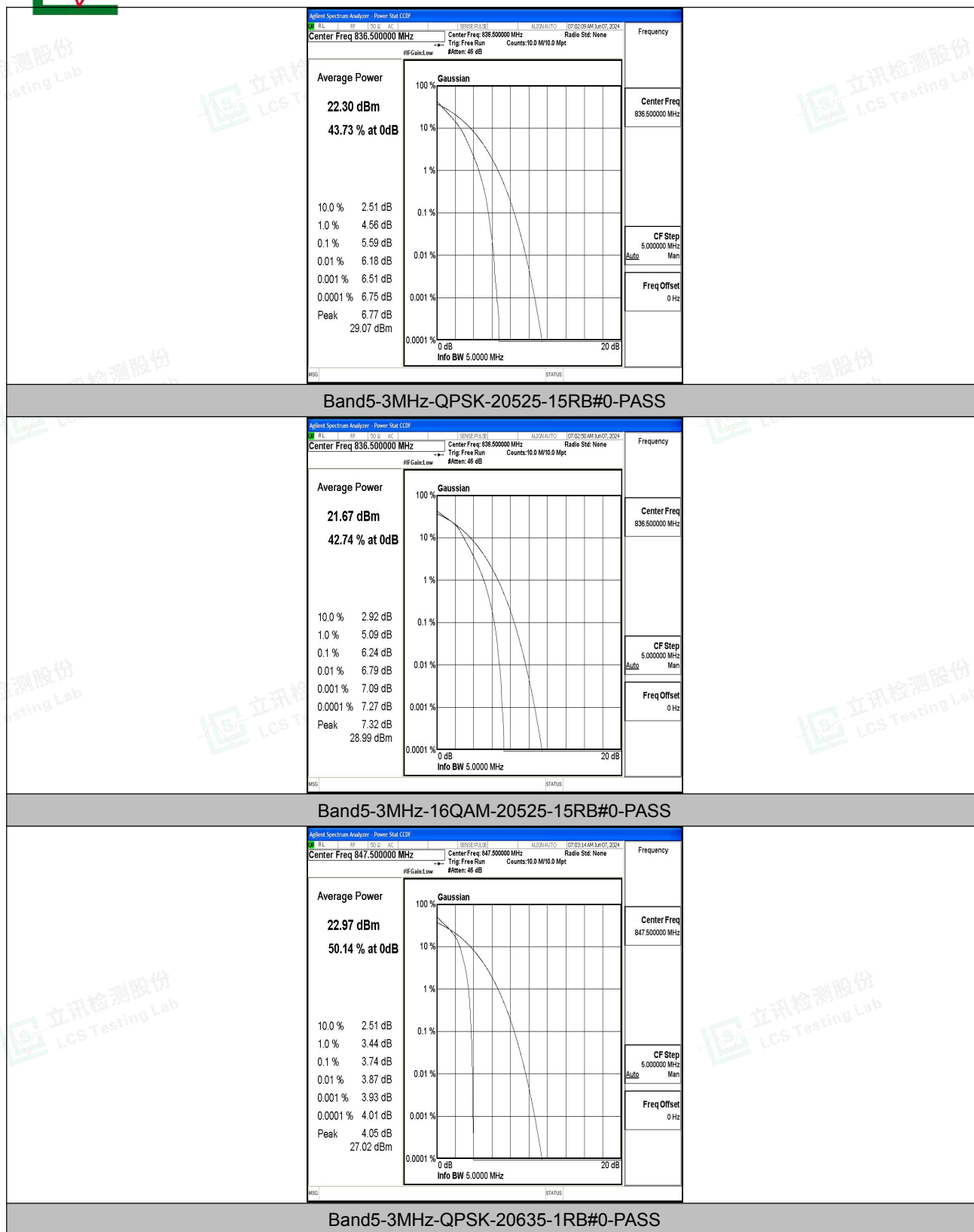


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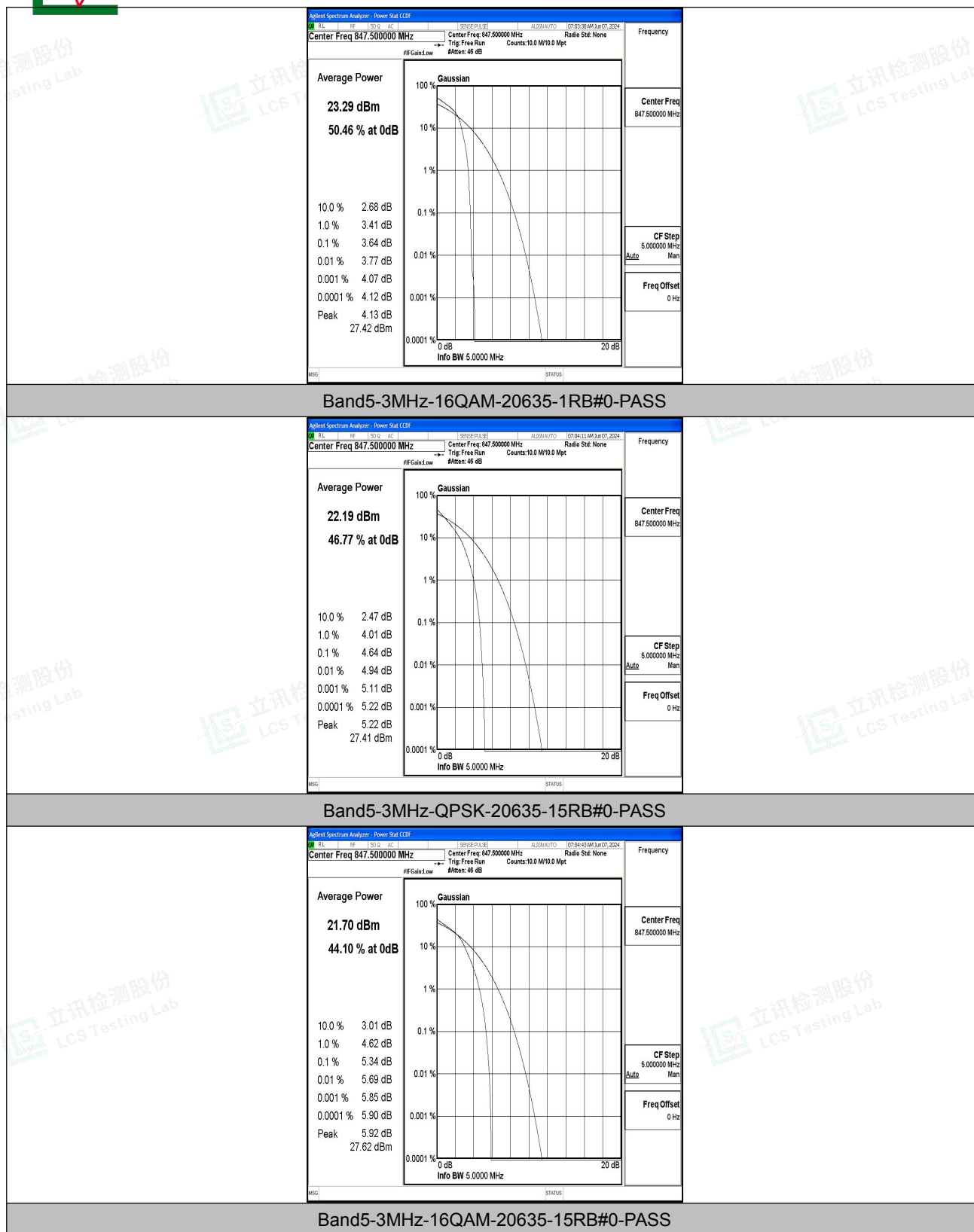


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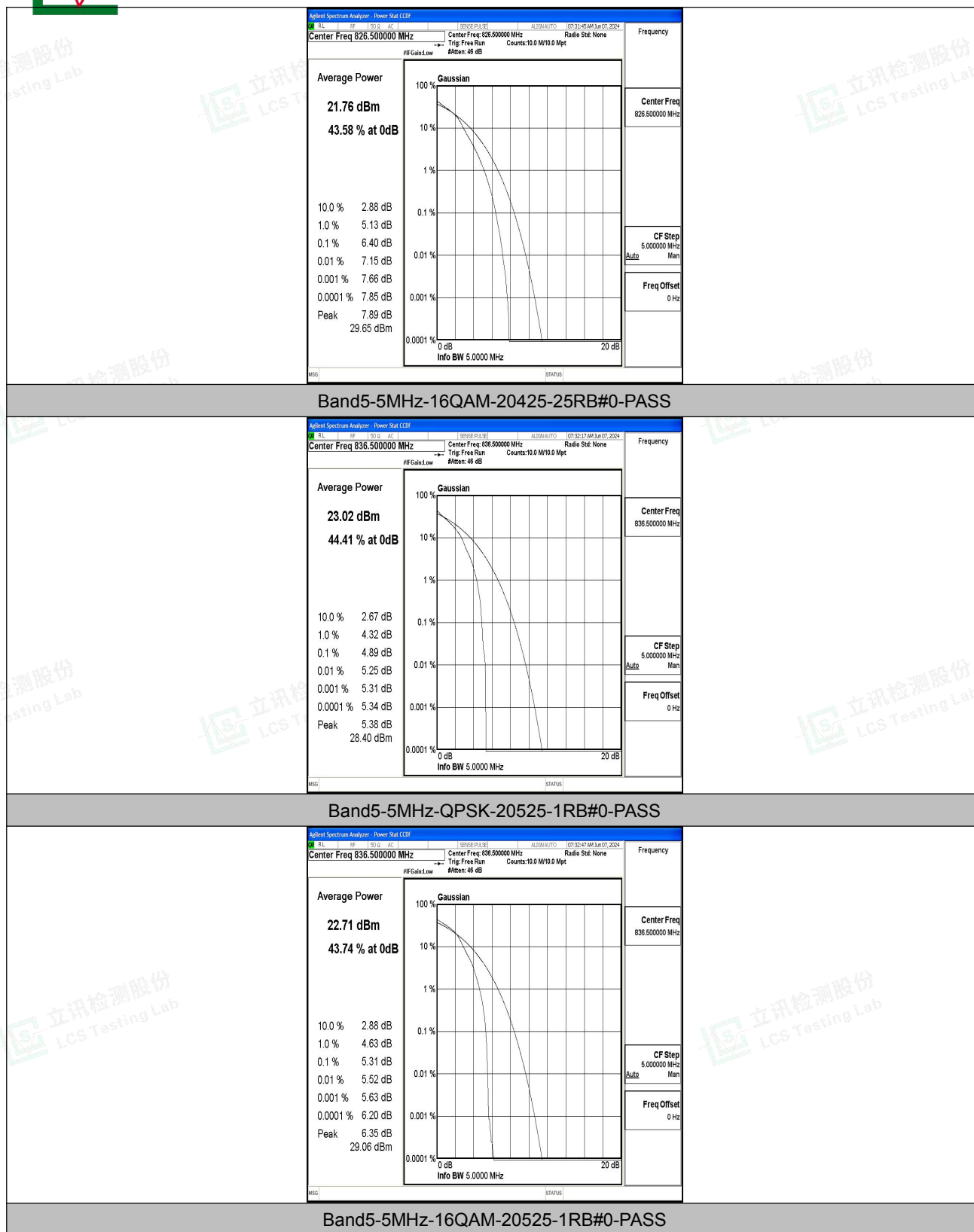


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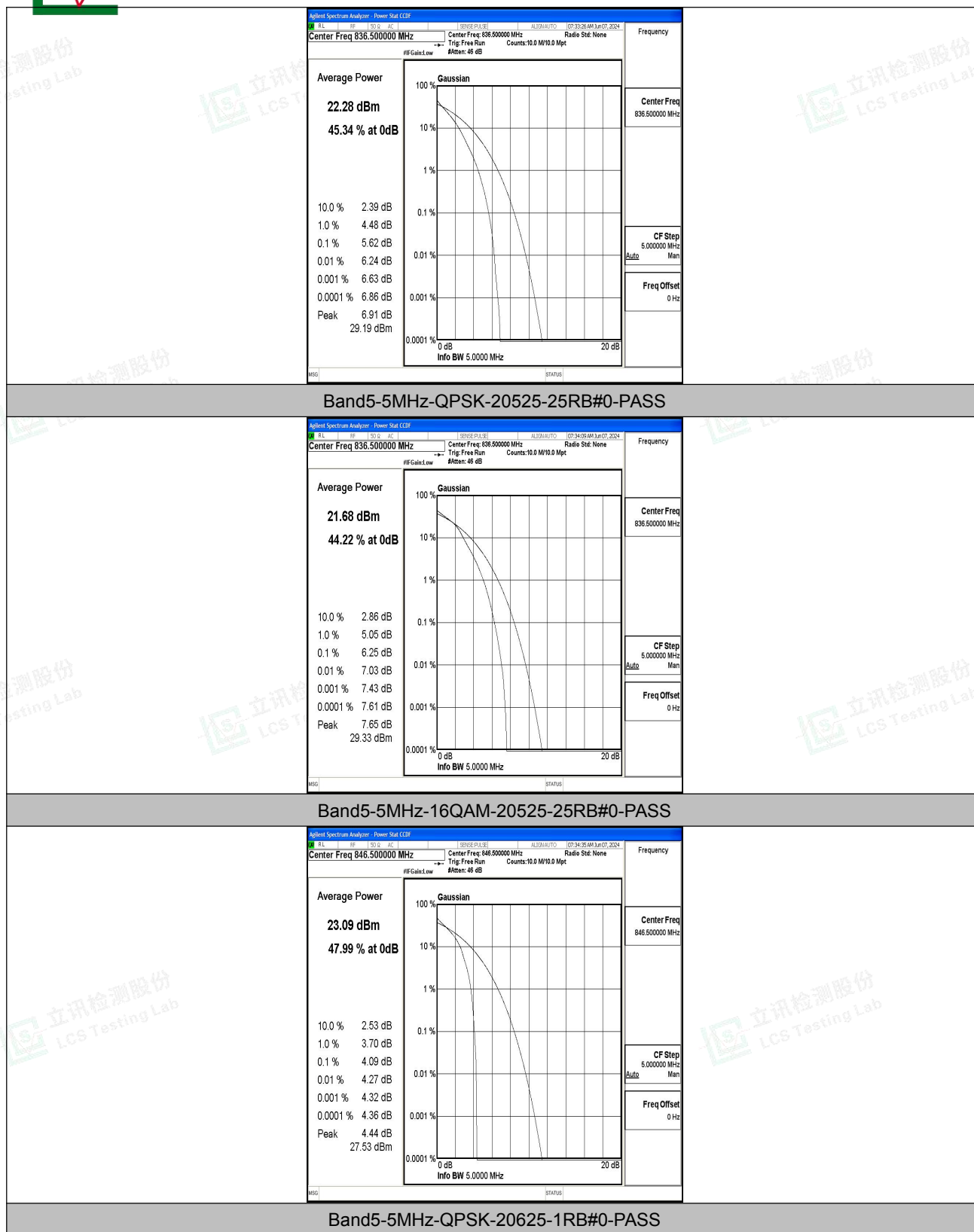


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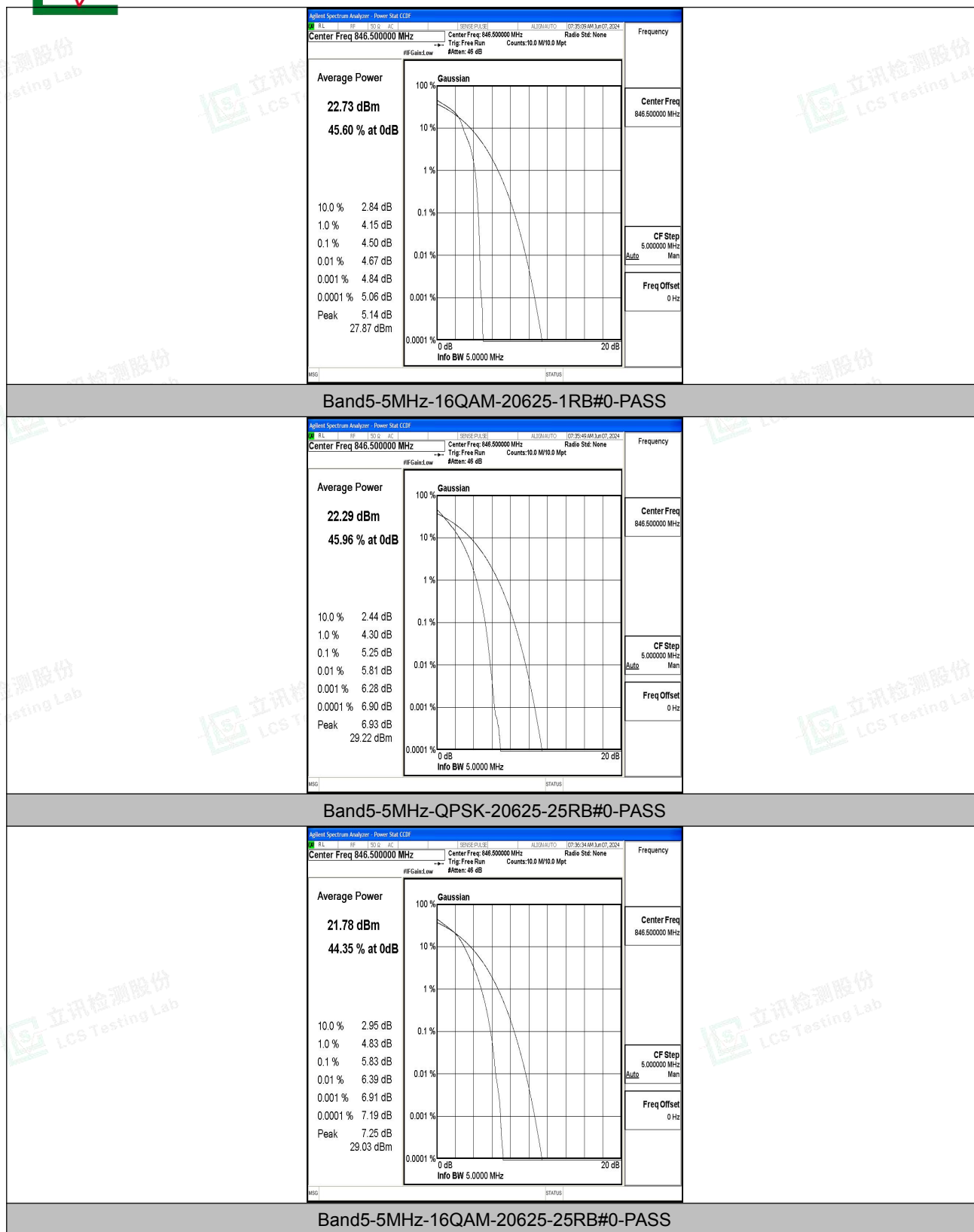


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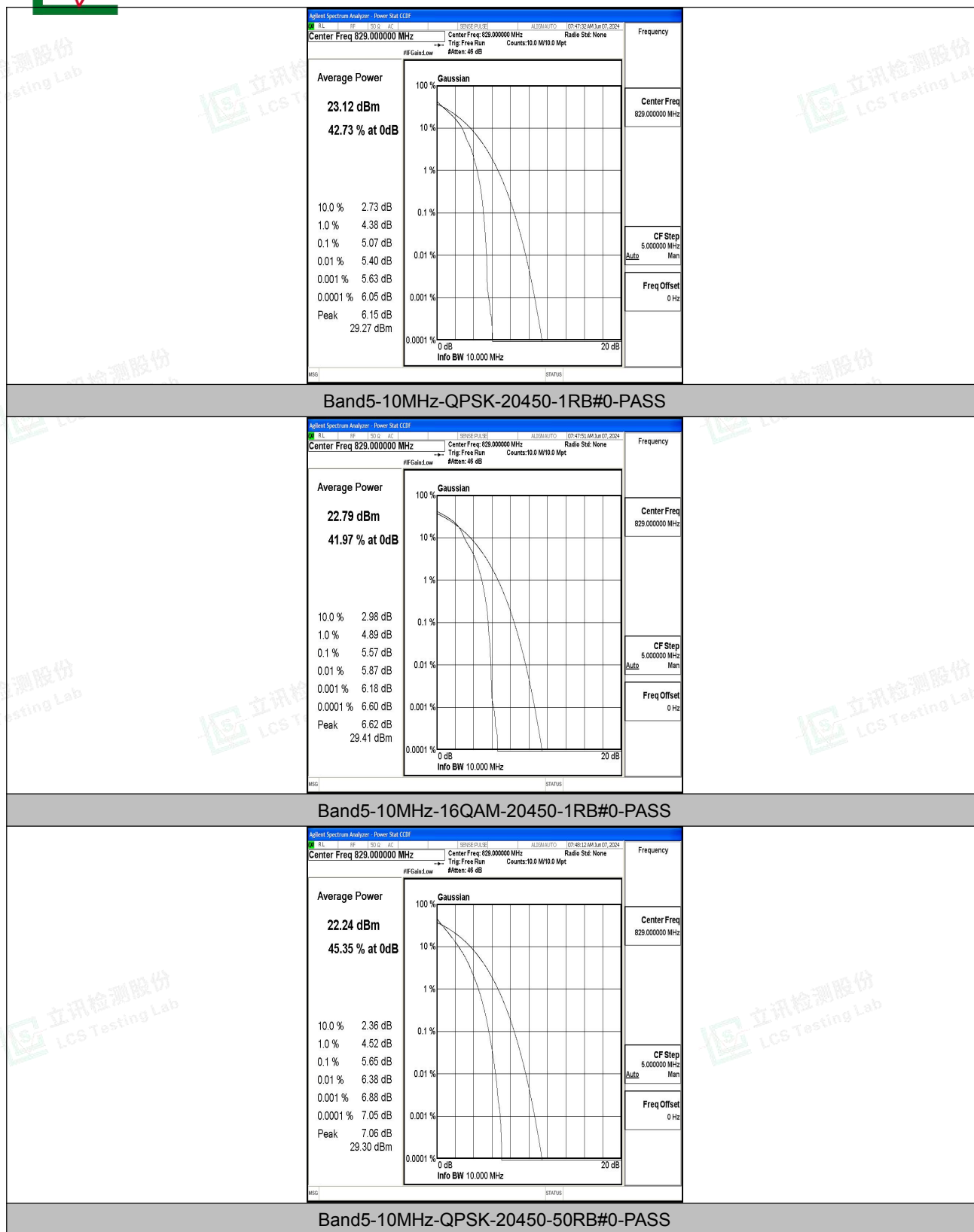


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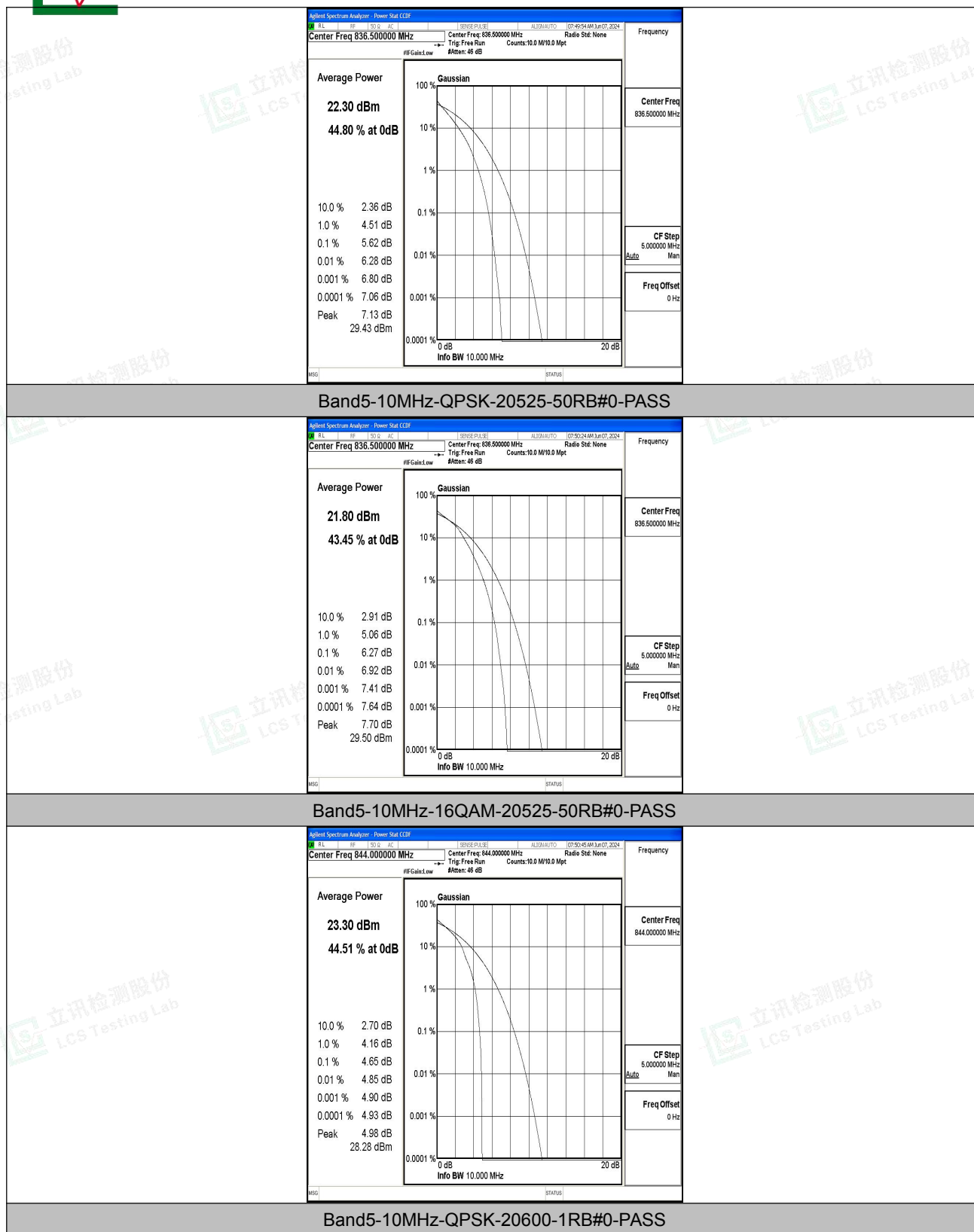


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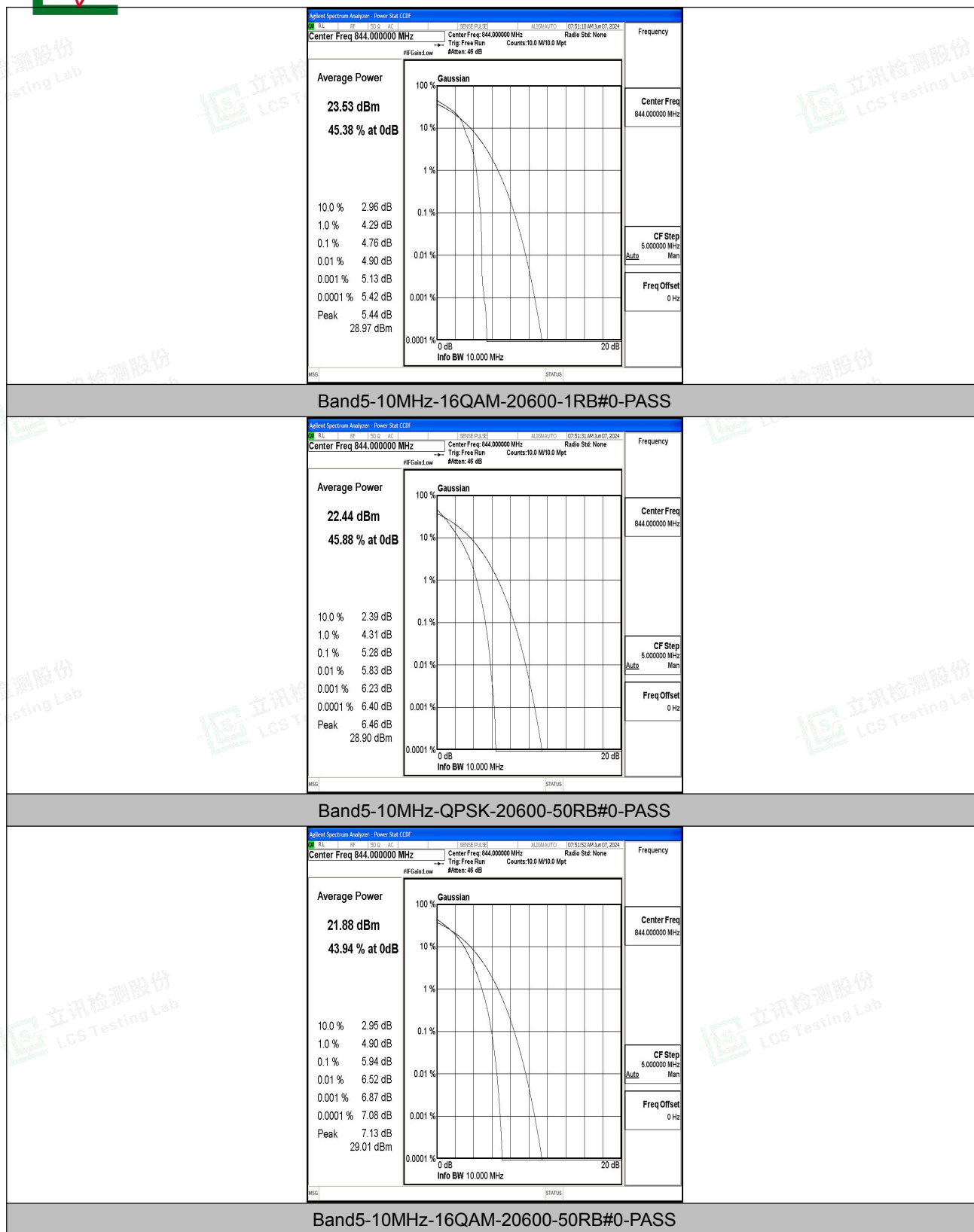


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A.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0972	1.312	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1029	1.298	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1003	1.293	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1040	1.306	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0998	1.266	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0974	1.364	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7114	3.283	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6992	3.039	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7087	3.191	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7103	3.238	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7133	3.072	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7141	3.205	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5172	5.239	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5160	5.186	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5158	5.337	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5297	5.440	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5285	5.365	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5484	5.382	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9985	10.13	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9898	10.09	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0261	10.27	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0212	10.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9668	9.959	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9797	9.950	PASS



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