



Appendix J: Test Data for E-UTRA Band 5

Product Name: Rugged Handheld Computer

Test Model: EA530

Environmental Conditions

Temperature:	24.4°C
Relative Humidity:	53.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Can Kun
Supervised by:	Paddi Chen



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Scan code to check authenticity



J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.32	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.20	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.25	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.19	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.29	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.28	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.24	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.79	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.14	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.78	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.50	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.59	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.93	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.96	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.01	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.09	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.05	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.98	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.66	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.93	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.57	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.21	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.57	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.44	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.54	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.01	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.84	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.65	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.56	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.06	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.79	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.59	PASS



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Band5	1.4MHz	QPSK	20643	3RB#1	22.97	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.59	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.65	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.27	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.74	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.00	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.60	PASS
Band5	3MHz	QPSK	20415	1RB#8	22.96	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.66	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.08	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.67	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.13	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.81	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.18	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.81	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.19	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.86	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.07	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.58	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.91	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.89	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.89	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.93	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.94	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.97	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.07	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.87	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.09	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.78	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.33	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.77	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.03	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.40	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.01	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.31	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.89	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.94	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.15	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.00	PASS





Band5	3MHz	QPSK	20635	8RB#0	22.20	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.71	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.23	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.78	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.06	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.73	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.07	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.62	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.07	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.83	PASS
Band5	5MHz	QPSK	20425	1RB#12	22.94	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.86	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.02	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.90	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.09	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.53	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.13	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.69	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.05	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.52	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.08	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.75	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.66	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.94	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.65	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.03	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.78	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.98	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.04	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.57	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.21	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.58	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.16	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.61	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.11	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.43	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.95	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.49	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.89	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.52	PASS





Band5	5MHz	QPSK	20625	1RB#24	22.52	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.03	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.22	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.57	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.24	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.54	PASS
Band5	5MHz	QPSK	20625	12RB#13	21.96	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.32	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.19	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.70	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.91	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.59	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.89	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.60	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.91	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.68	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.08	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.53	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.03	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.53	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.10	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.40	PASS
Band5	10MHz	QPSK	20450	50RB#0	21.97	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.53	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.07	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.57	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.04	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.71	PASS
Band5	10MHz	QPSK	20525	1RB#49	22.98	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.95	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.02	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.67	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.09	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.67	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.04	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.69	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.11	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.62	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.88	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.13	PASS





Band5	10MHz	QPSK	20600	1RB#24	22.88	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.00	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.68	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.63	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.04	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.69	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.06	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.69	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.19	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.69	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.16	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.78	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	4.83	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.17	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.53	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.11	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.63	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.47	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.37	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.94	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.99	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.53	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.50	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.13	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.67	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.61	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.28	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.69	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.40	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.01	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.05	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.82	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.82	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.44	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.08	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.66	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.23	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.83	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.23	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.51	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.06	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.11	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.42	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.27	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.83	13	PASS



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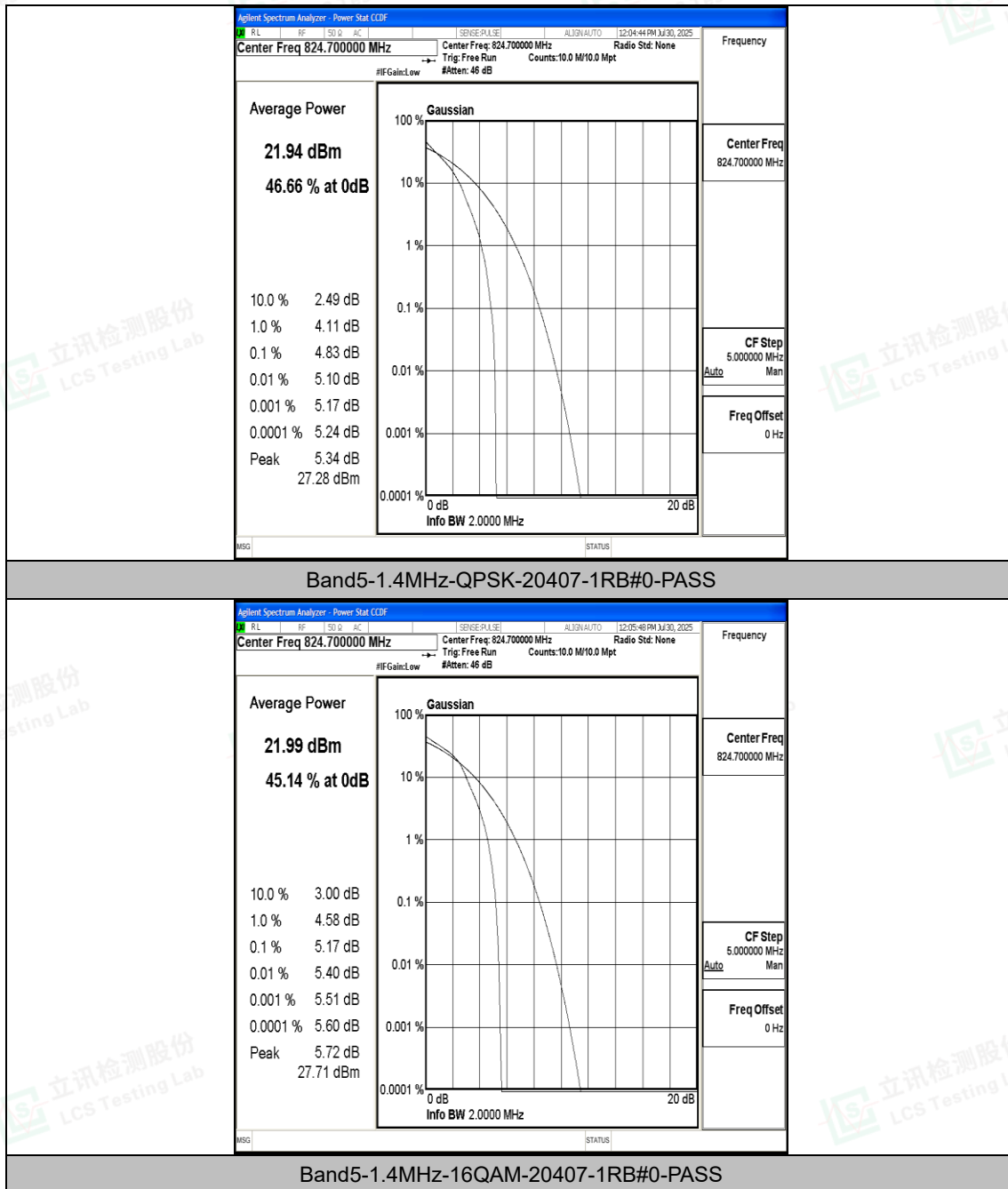


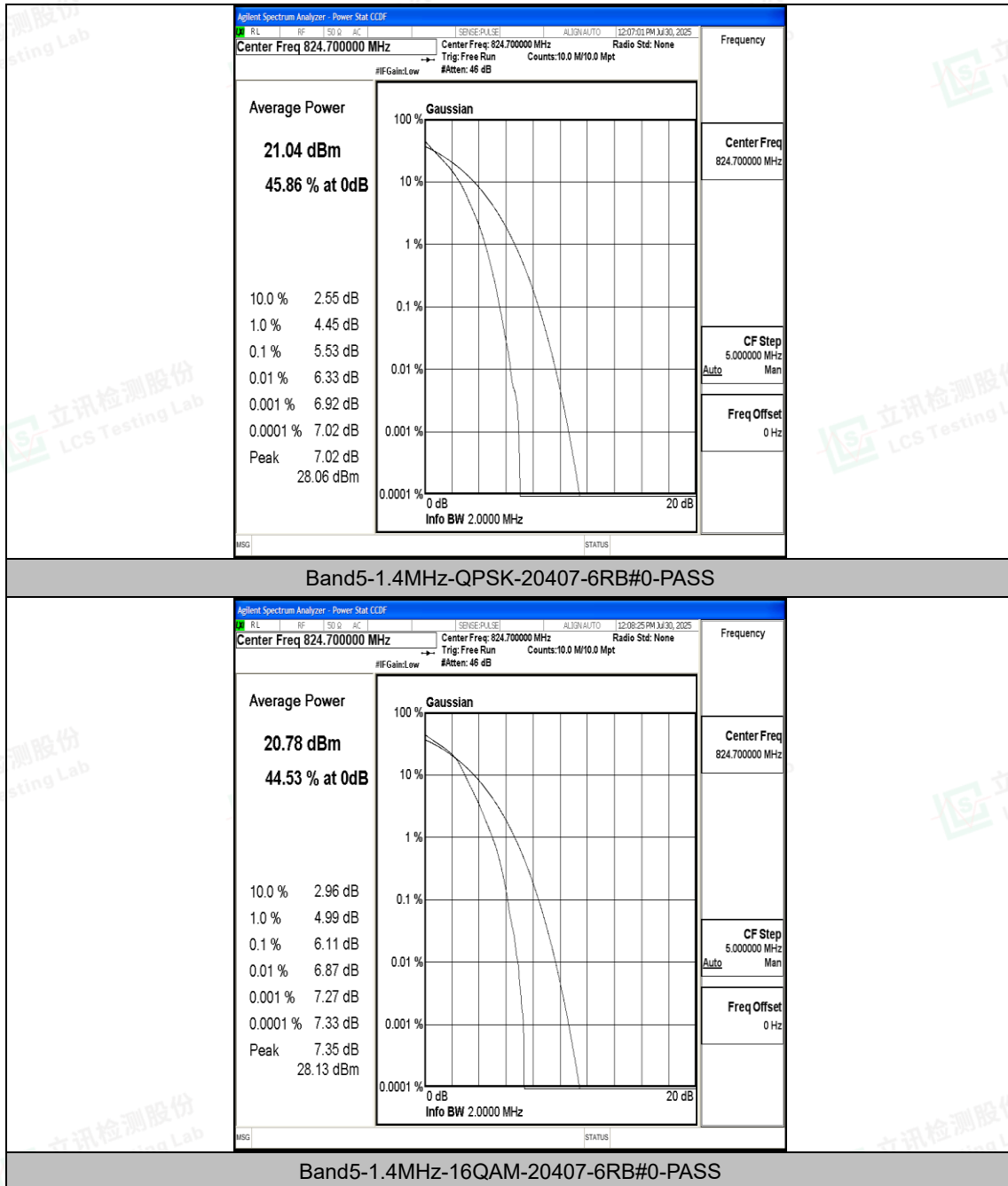
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Band5	10MHz	QPSK	20450	50RB#0	5.56	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.20	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.75	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.61	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.16	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.69	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.86	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.27	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.91	13	PASS

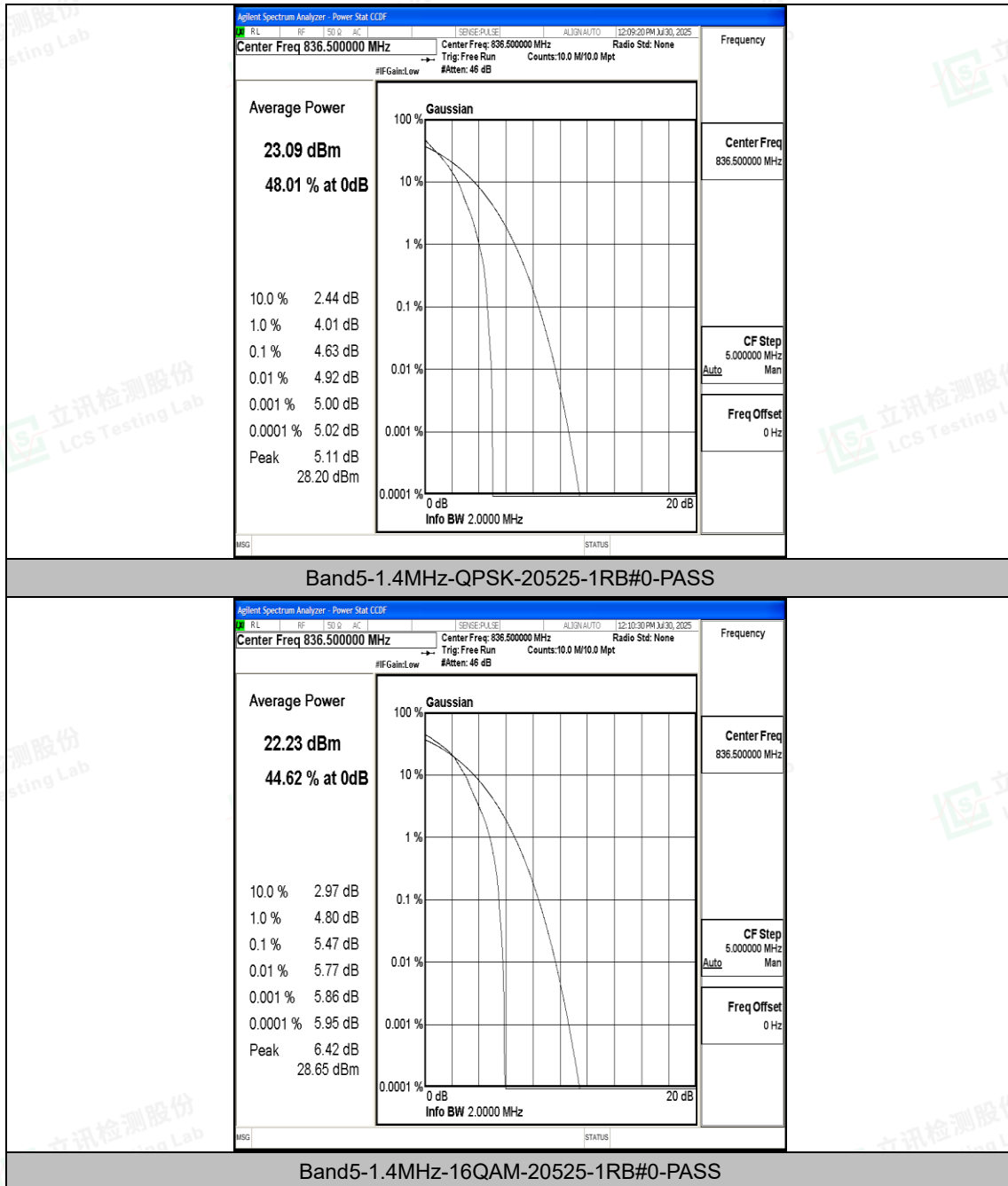


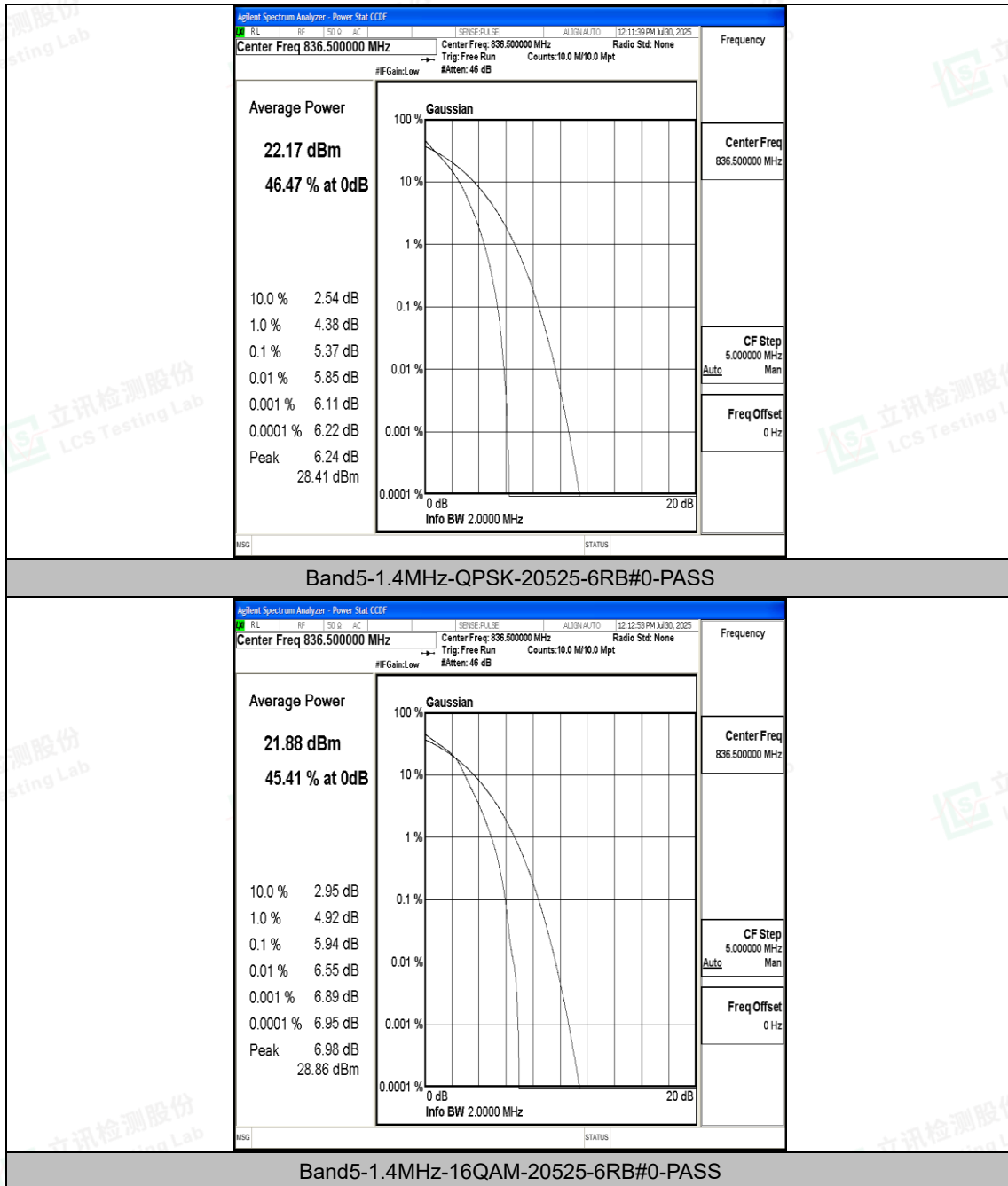


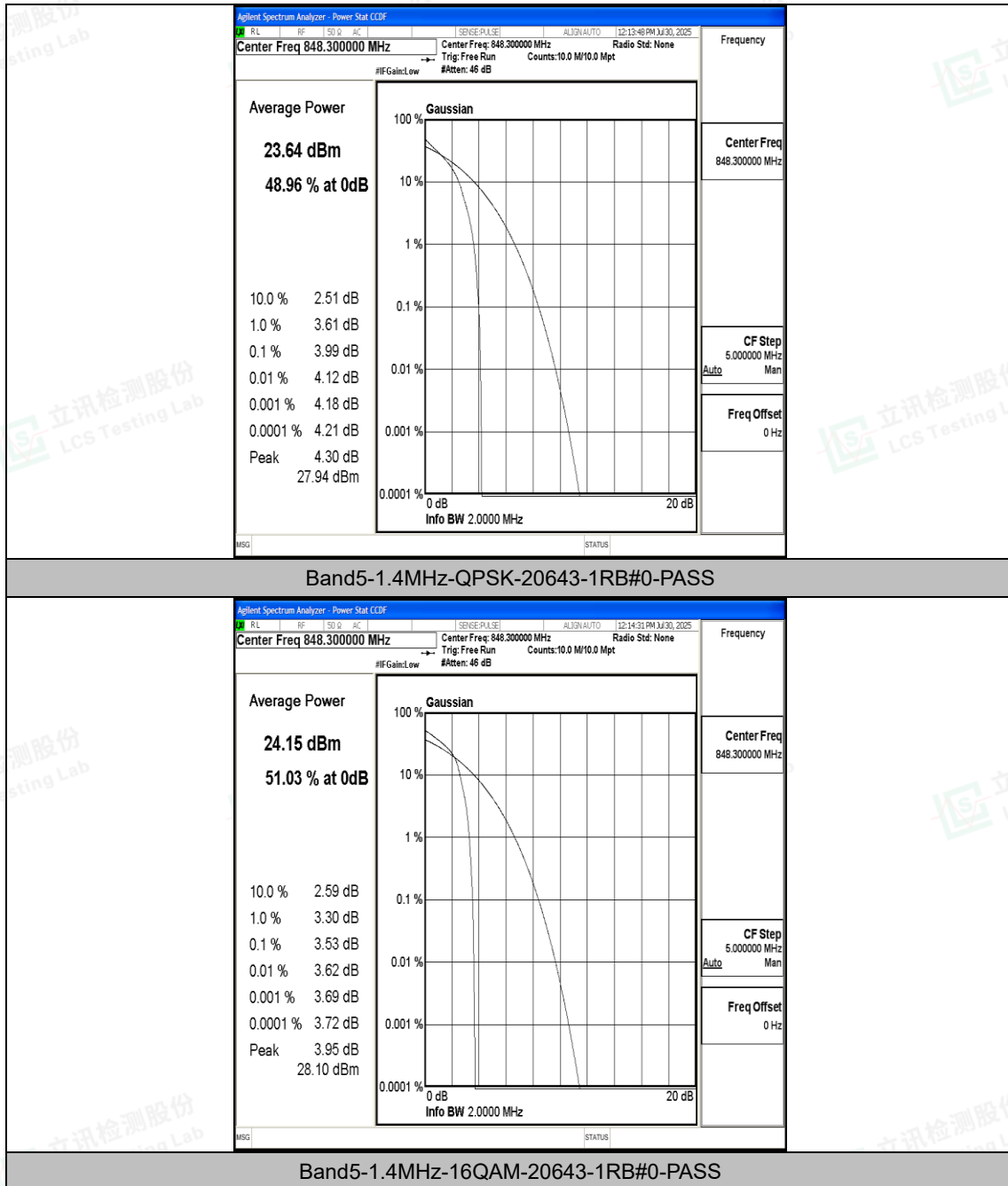
Test Graphs

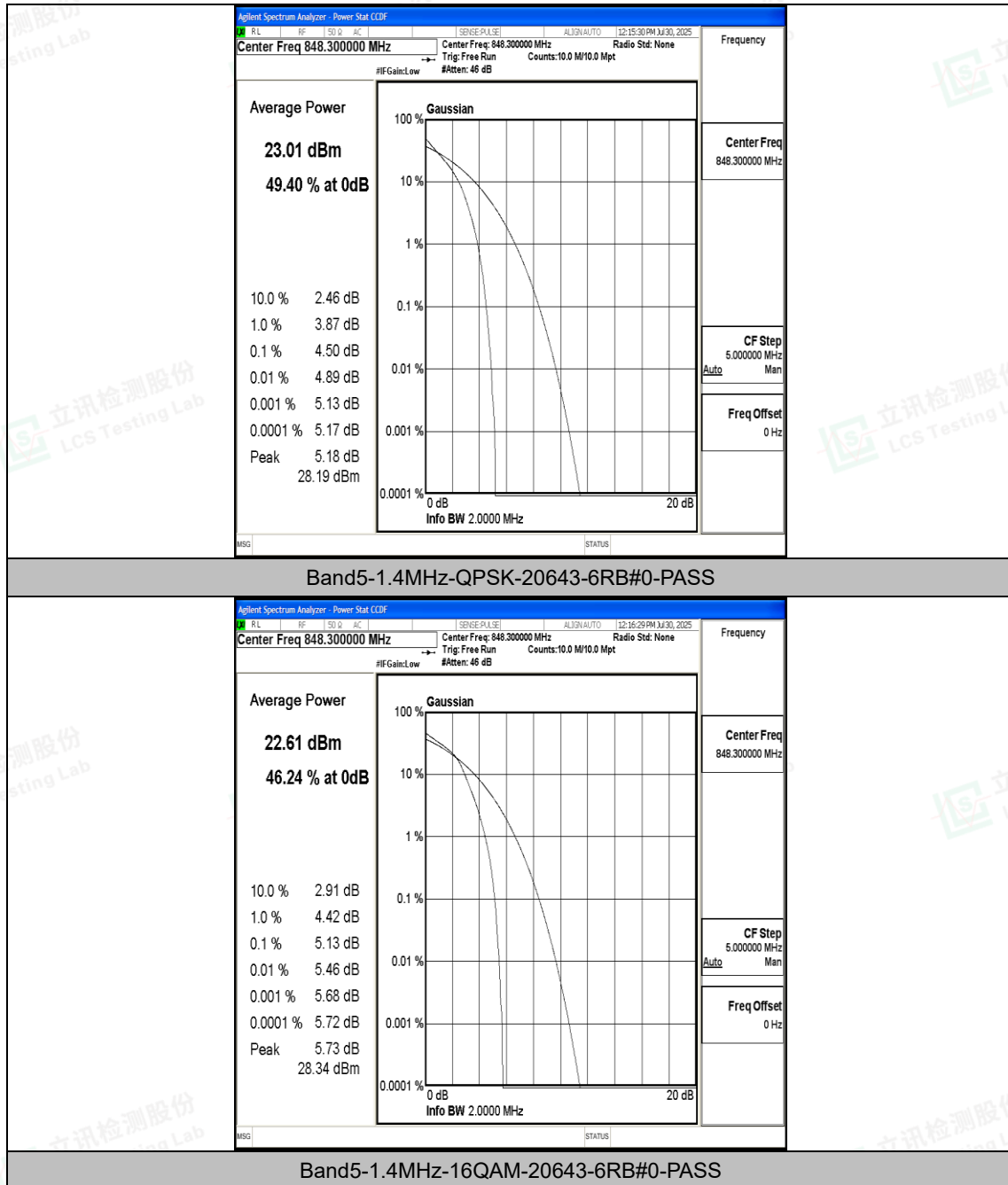


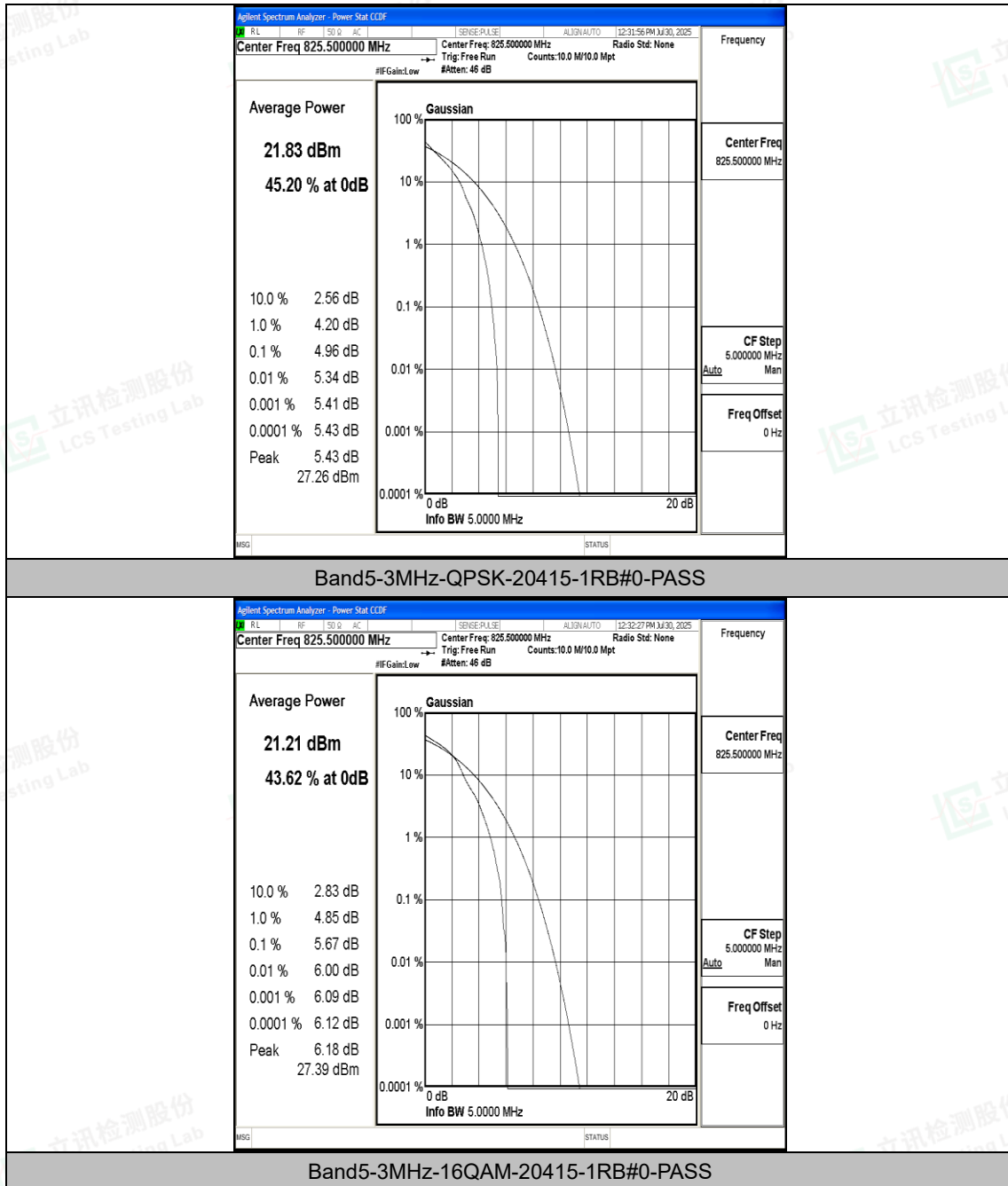


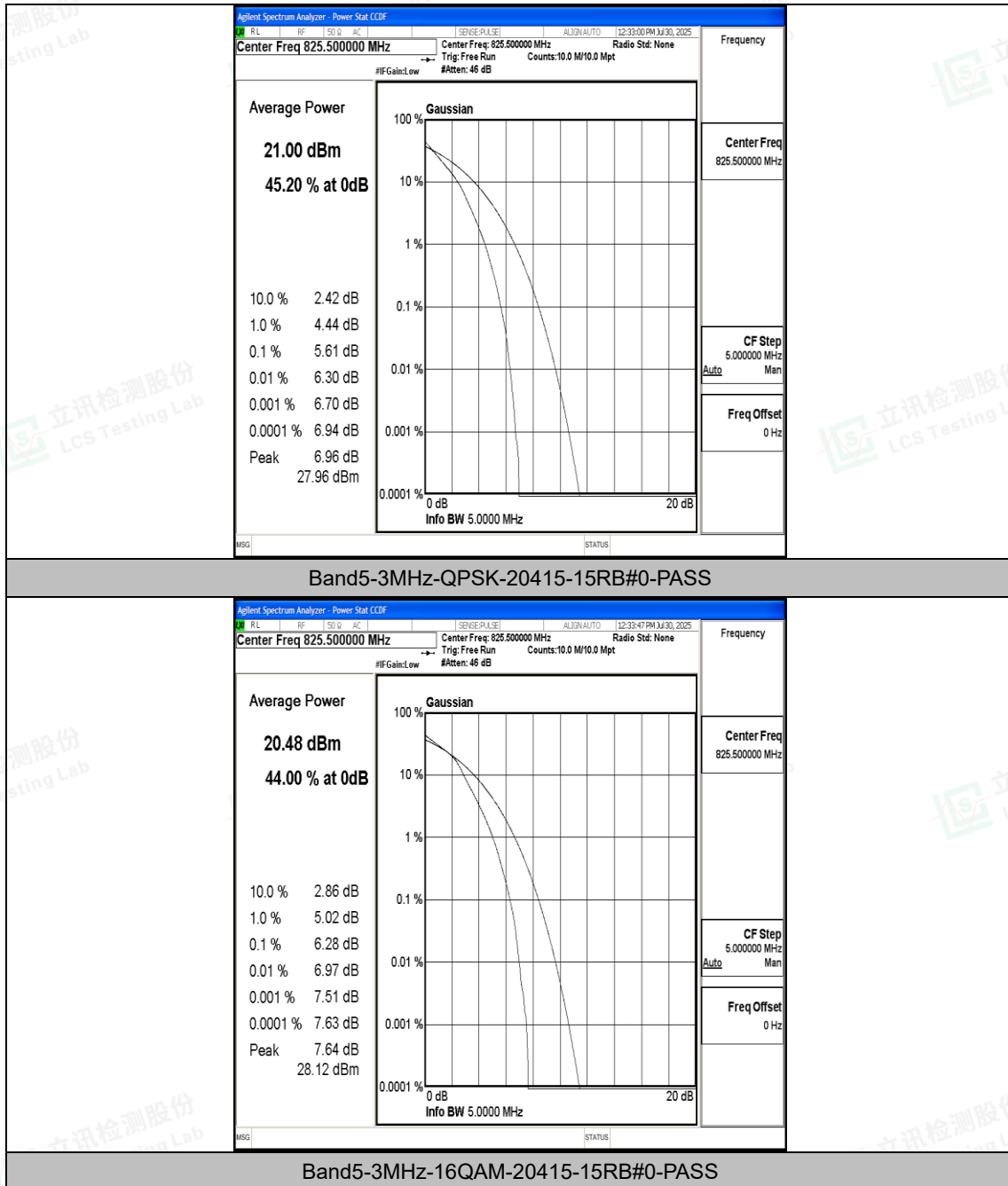


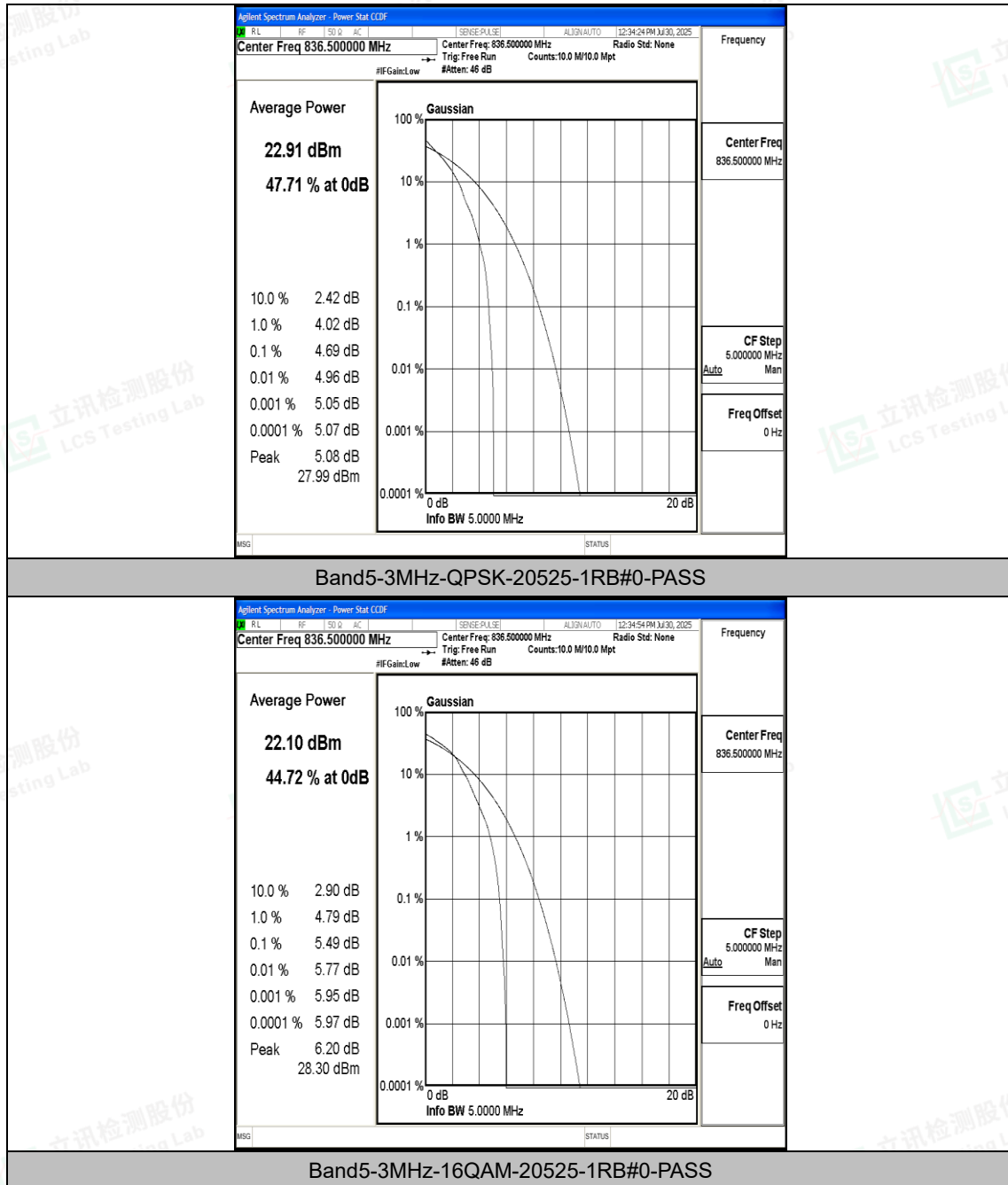


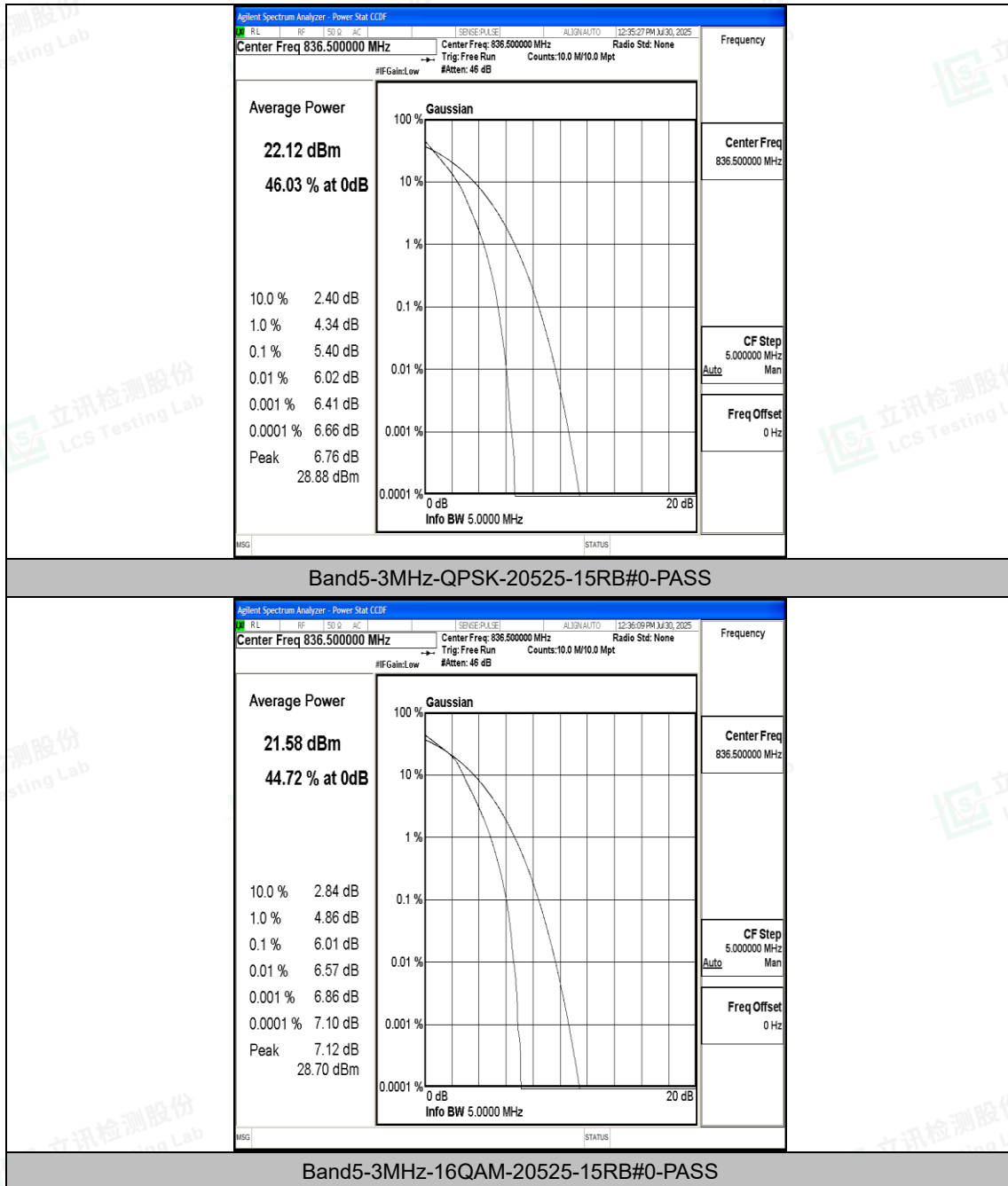


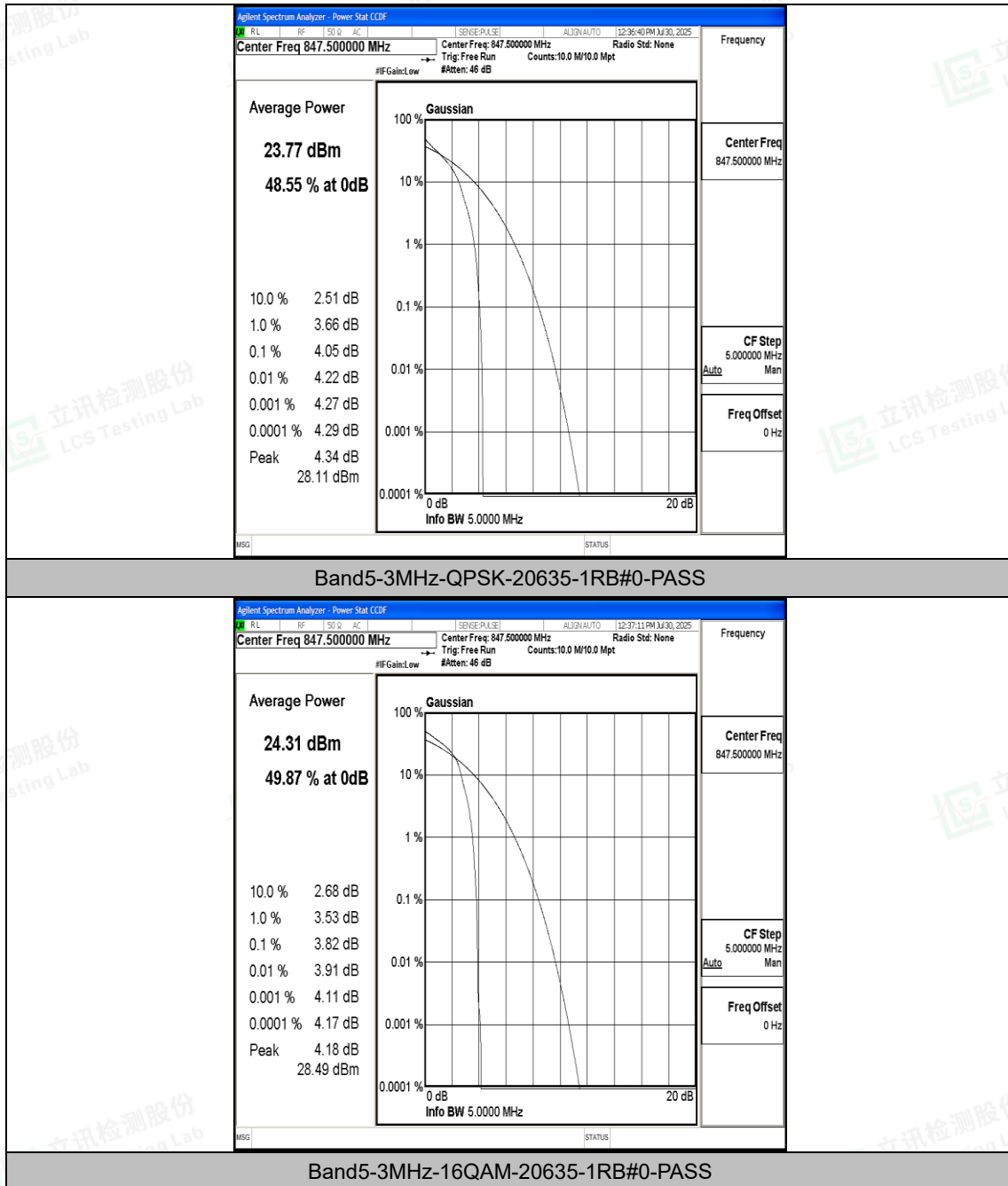


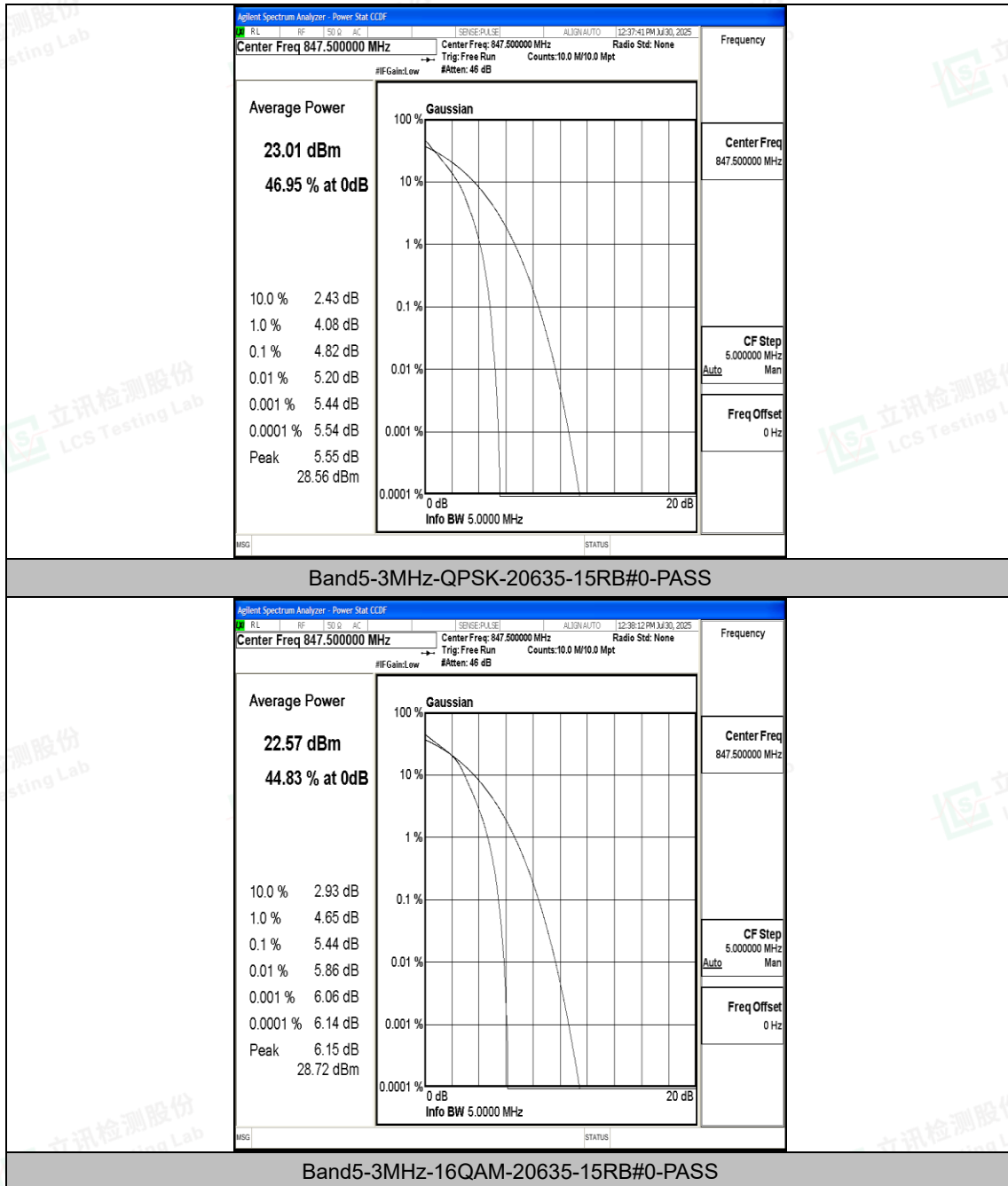


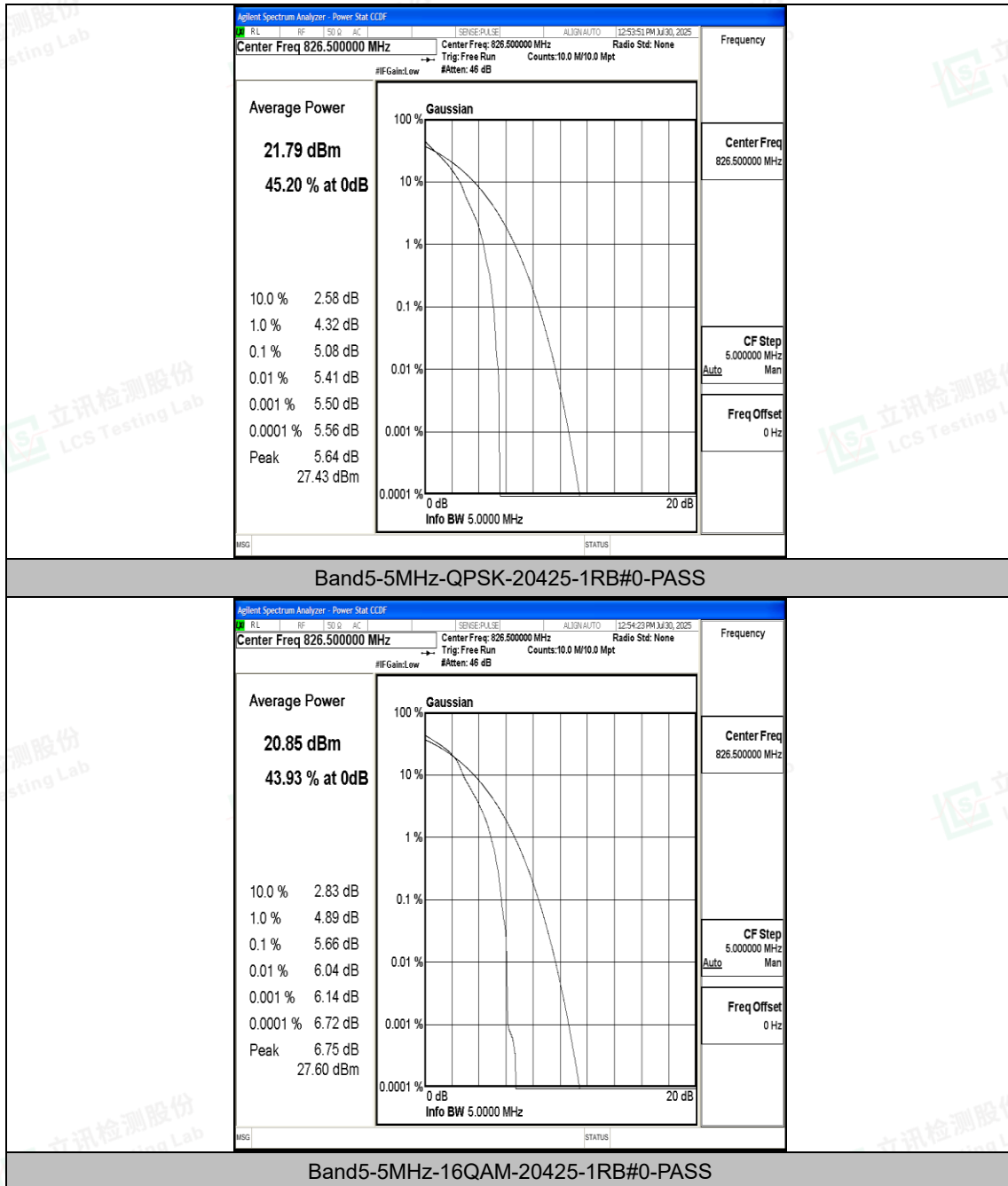


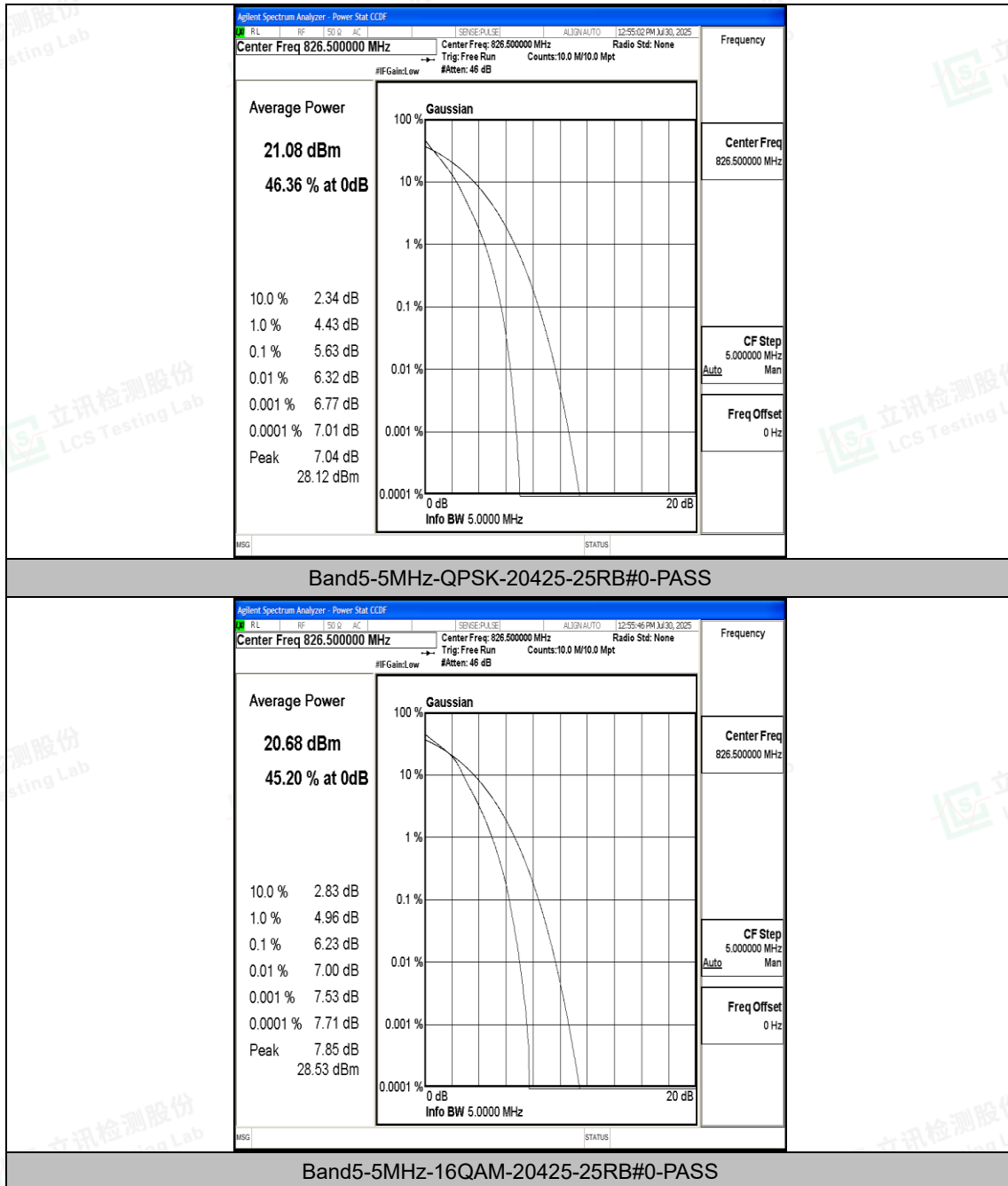


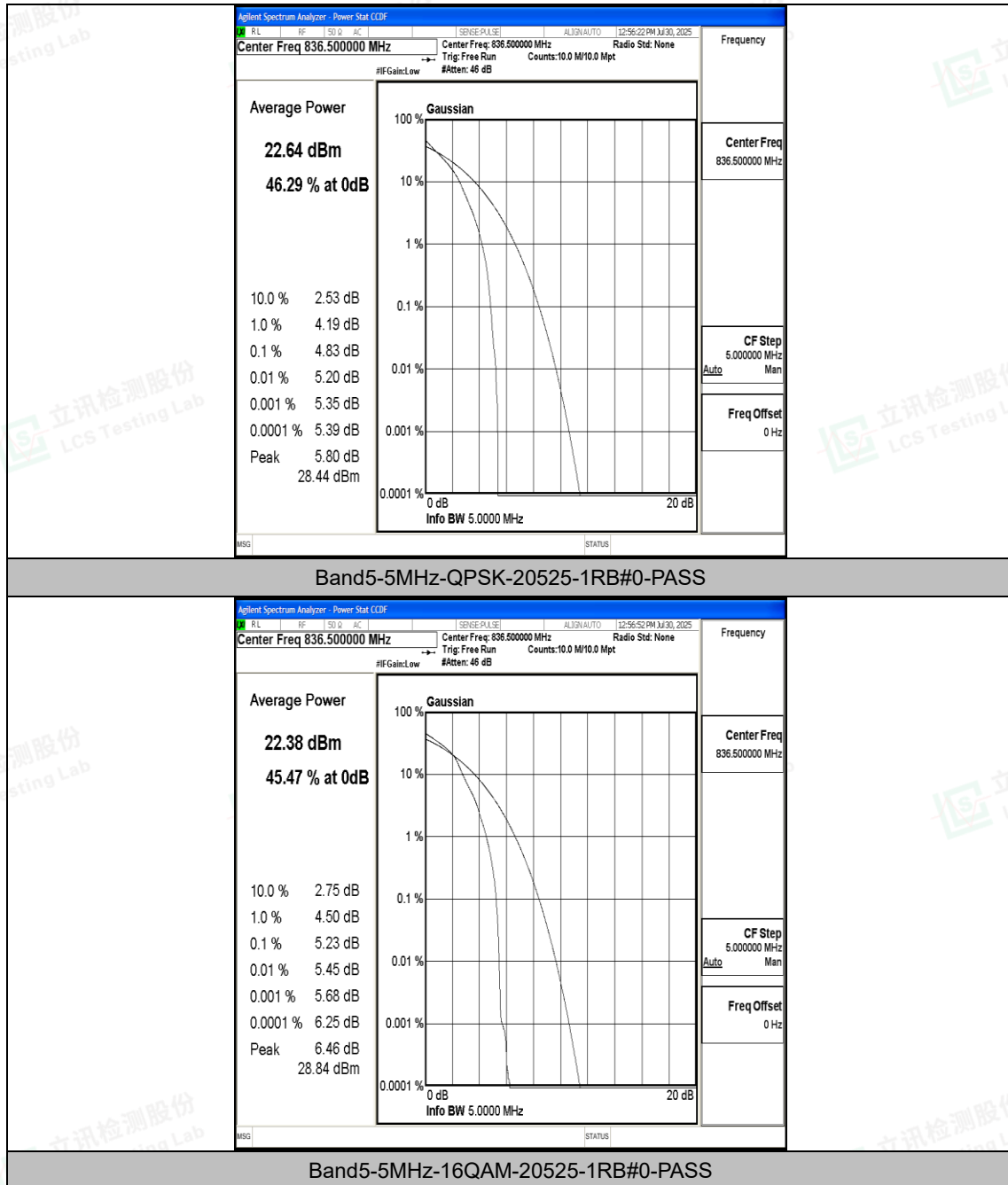


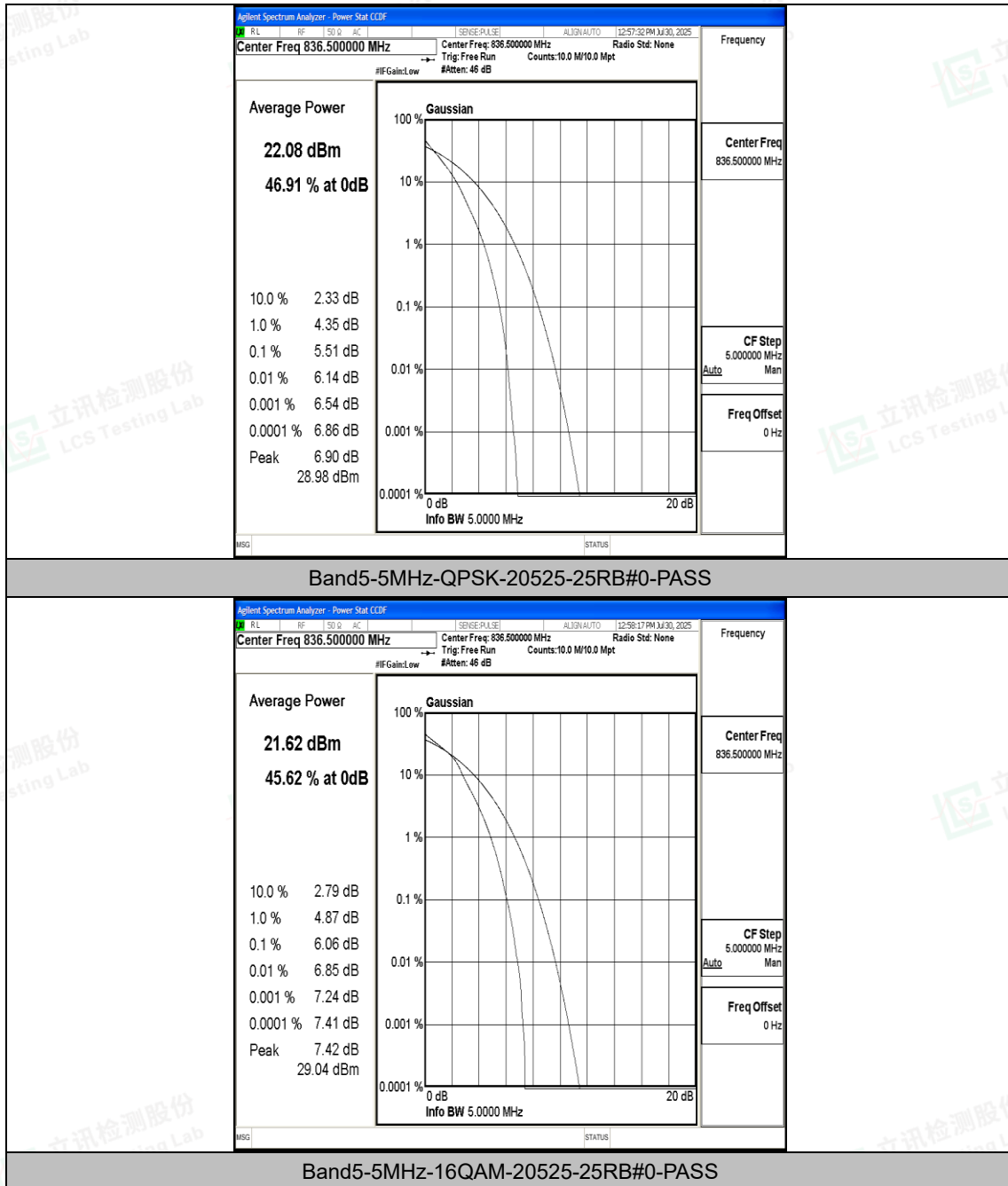


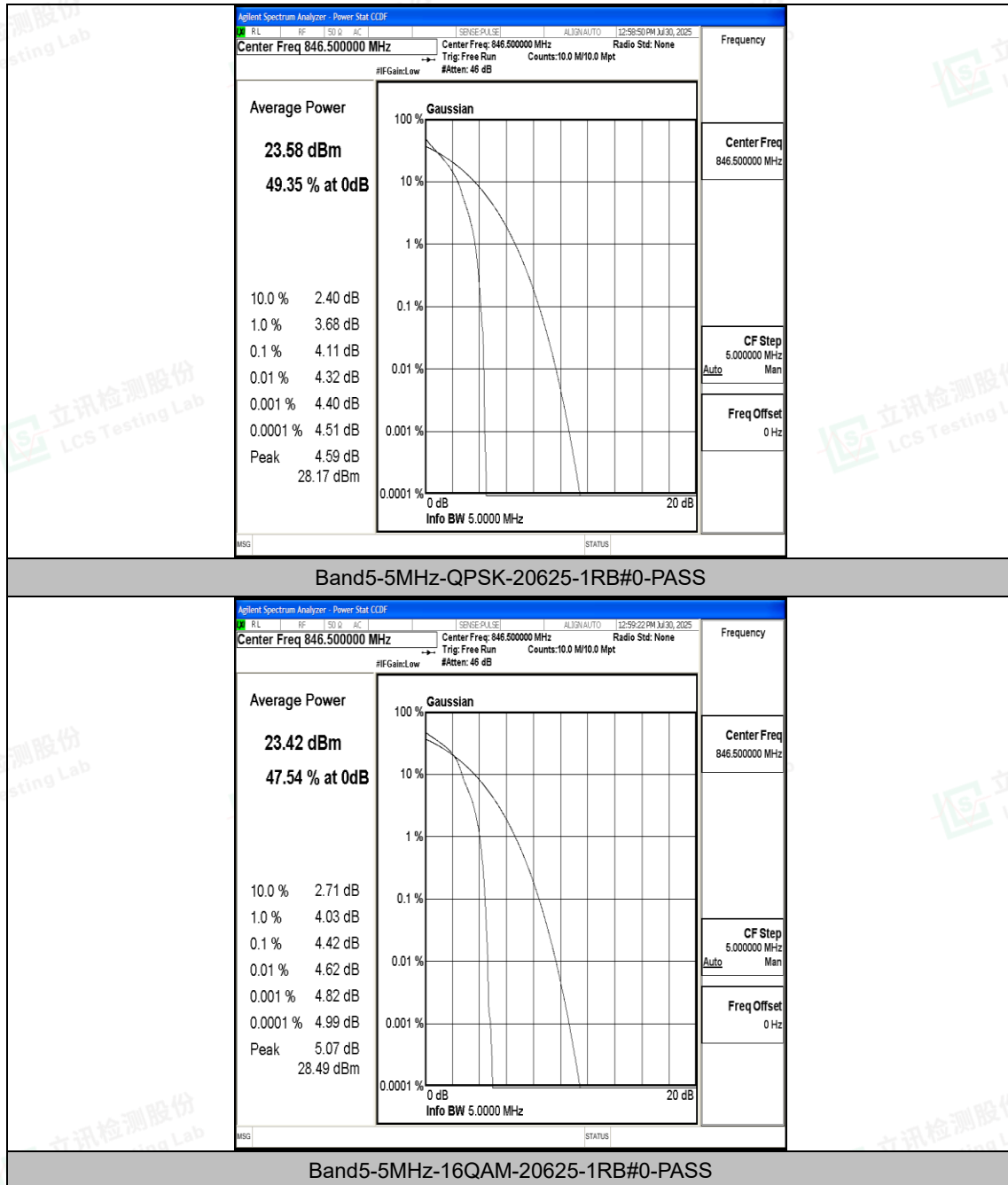


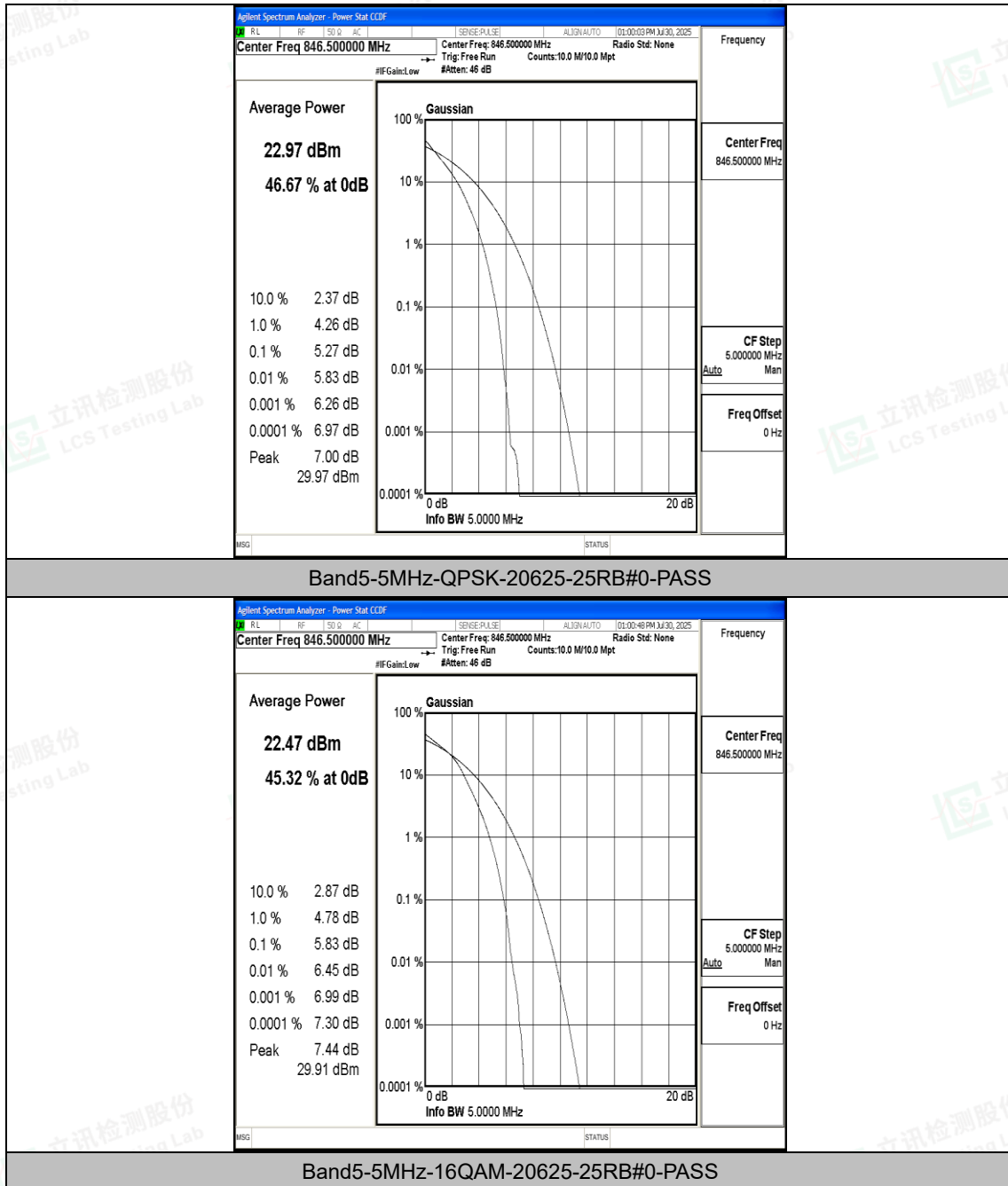


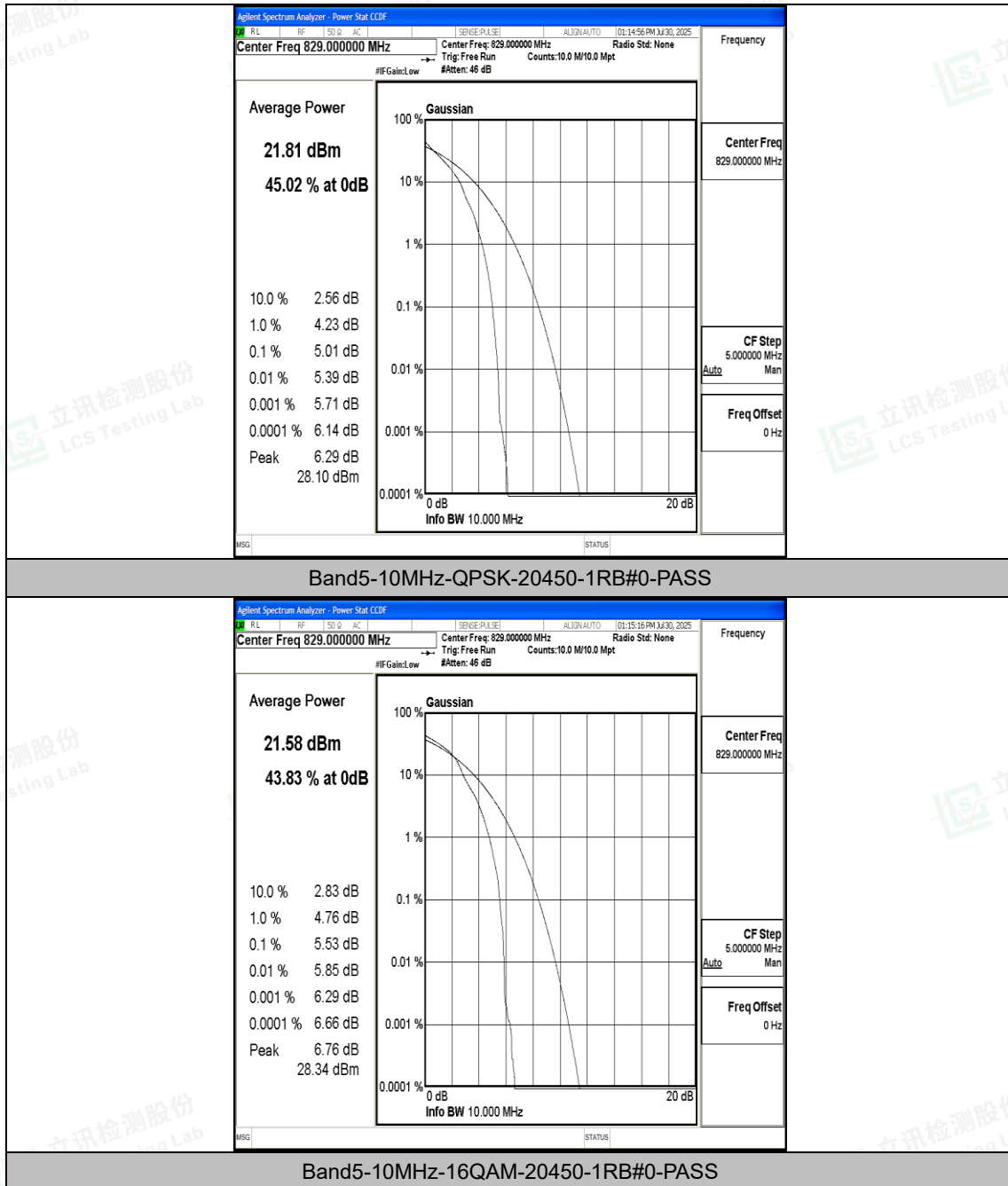


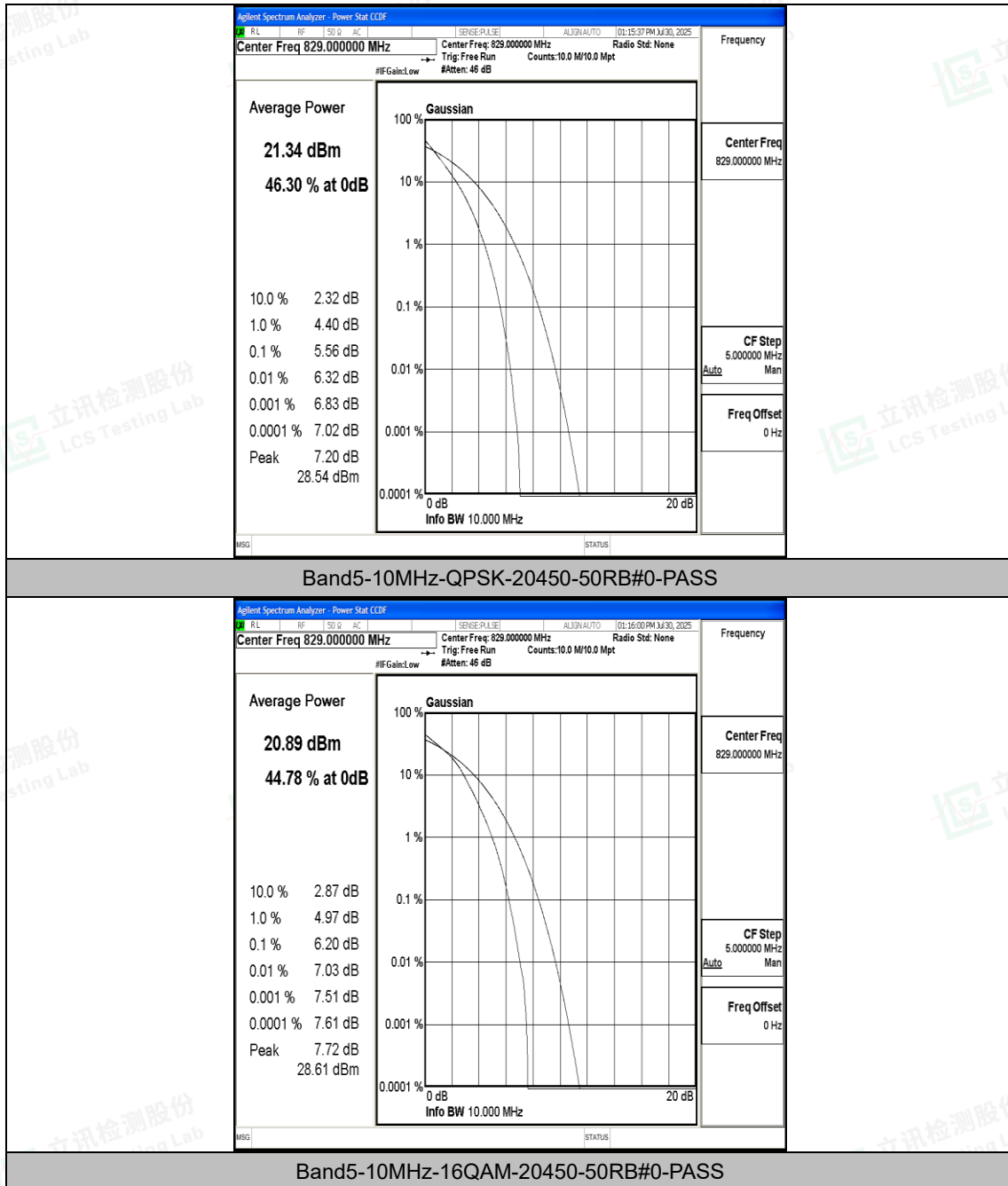


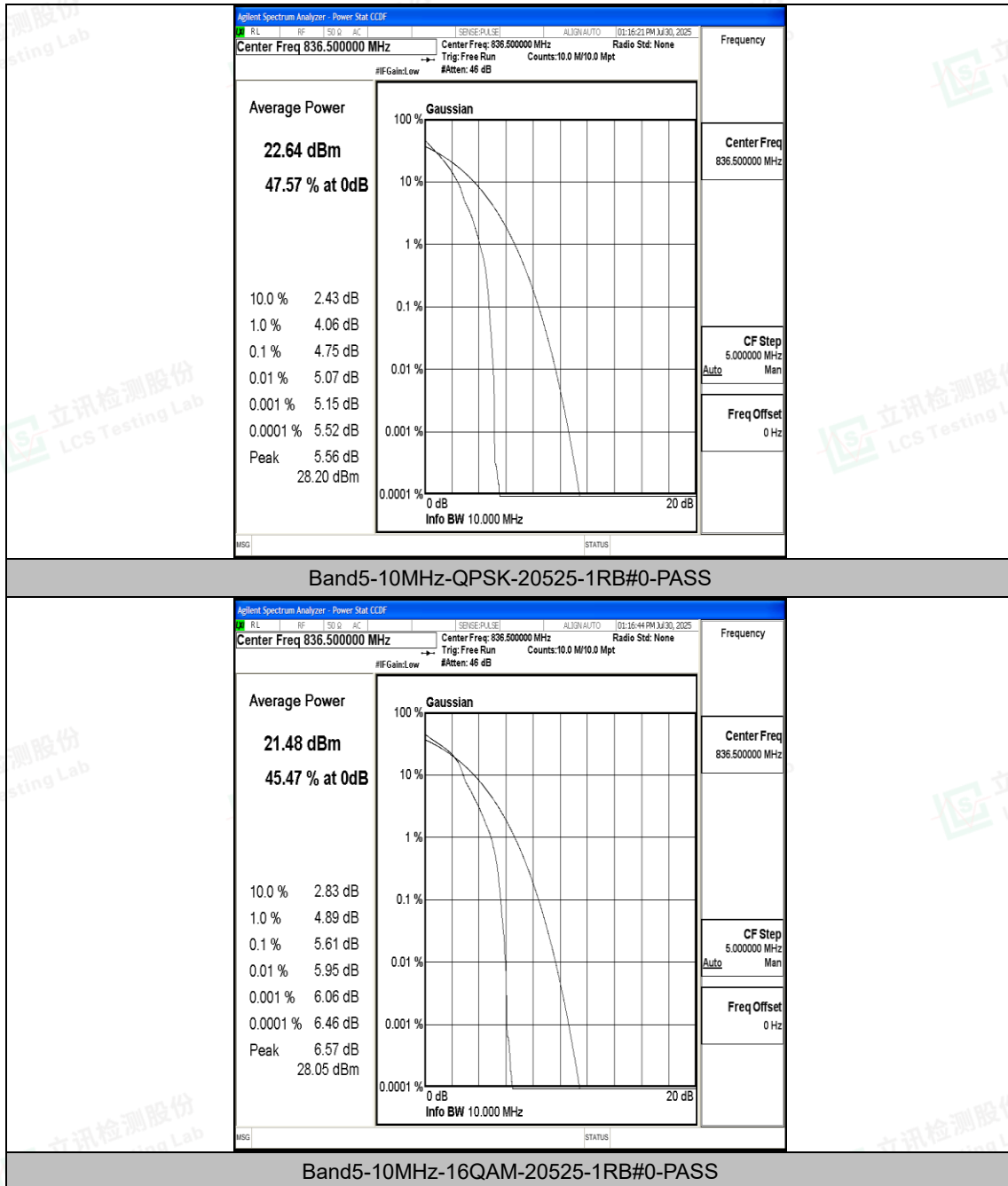


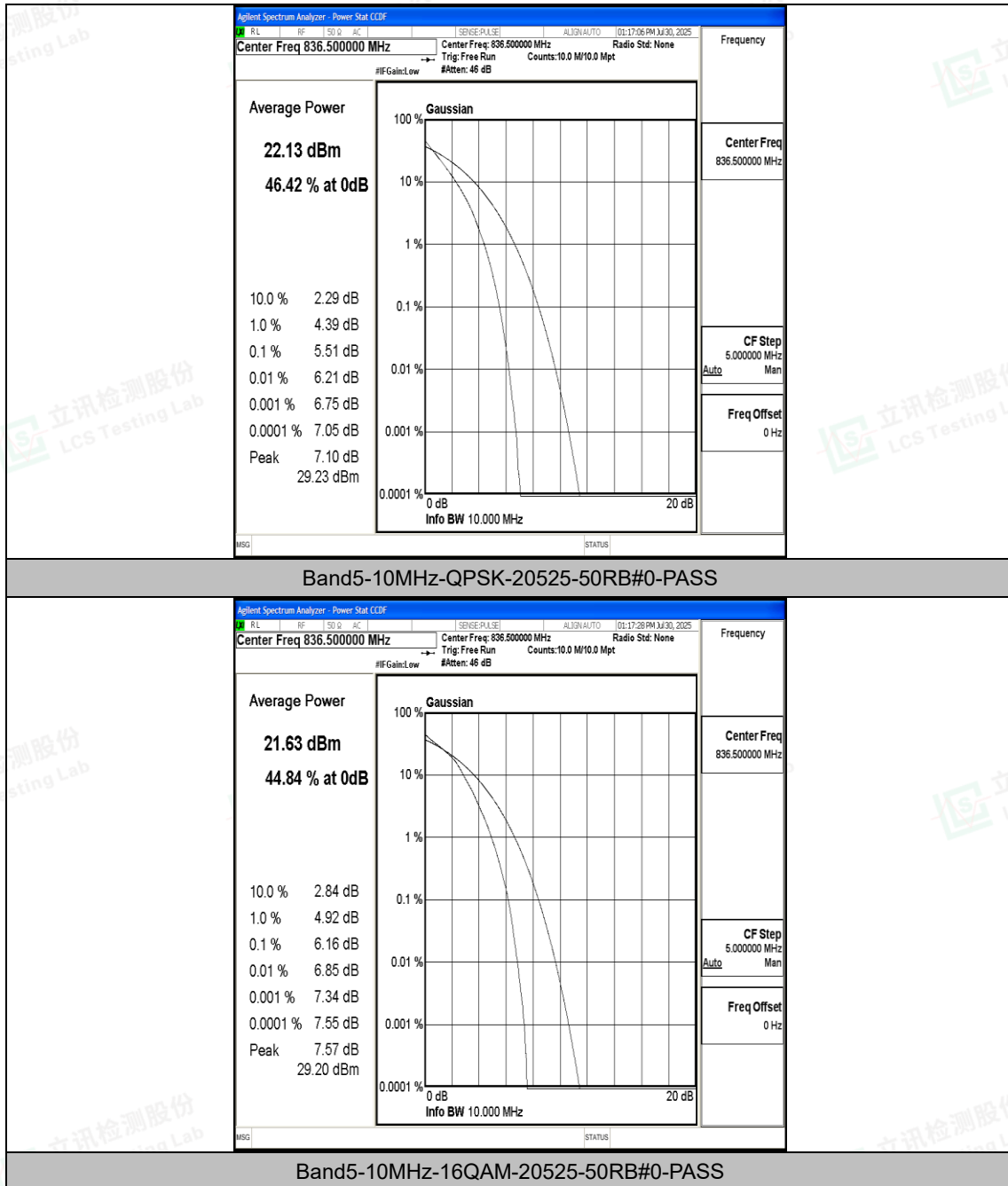


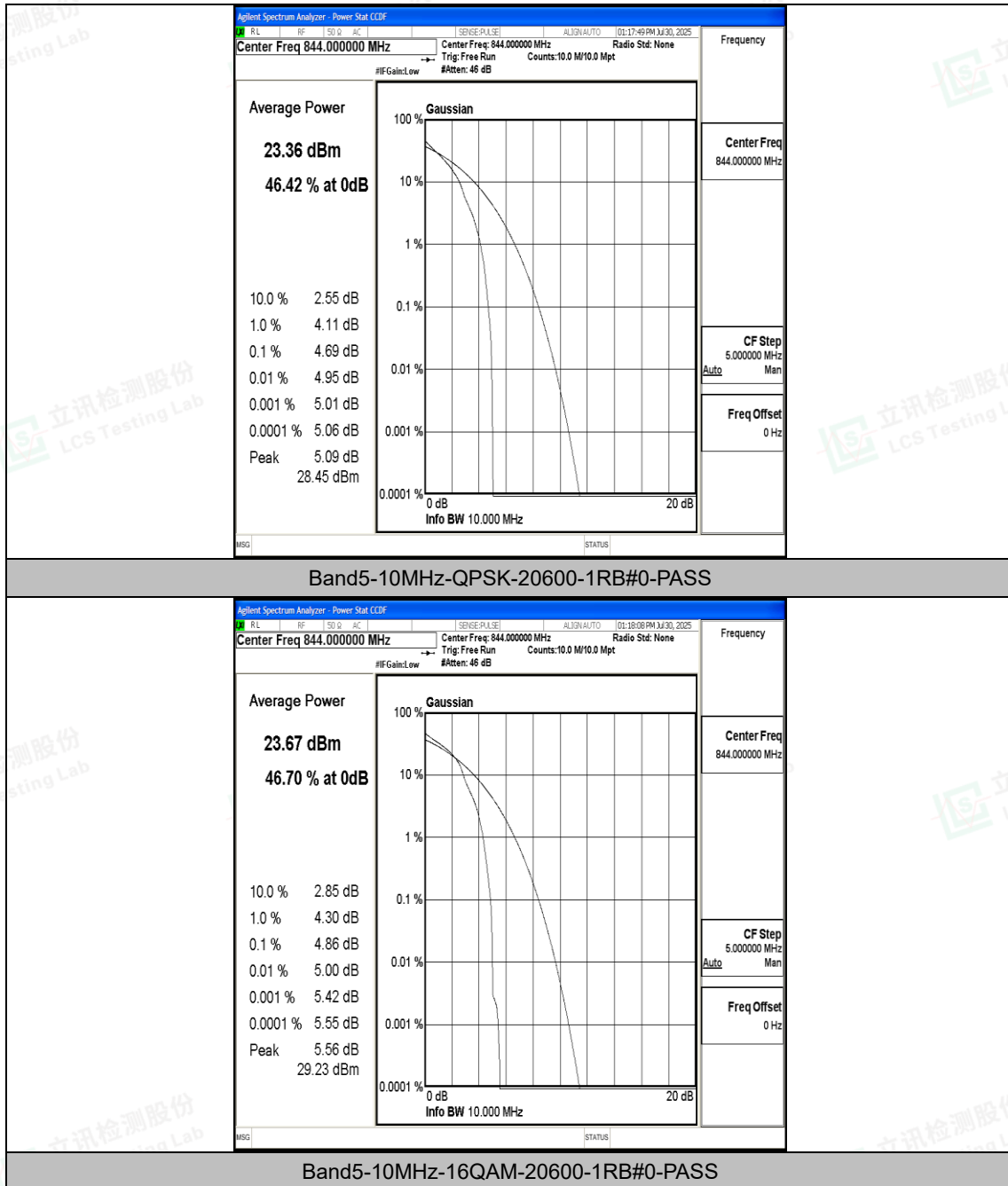


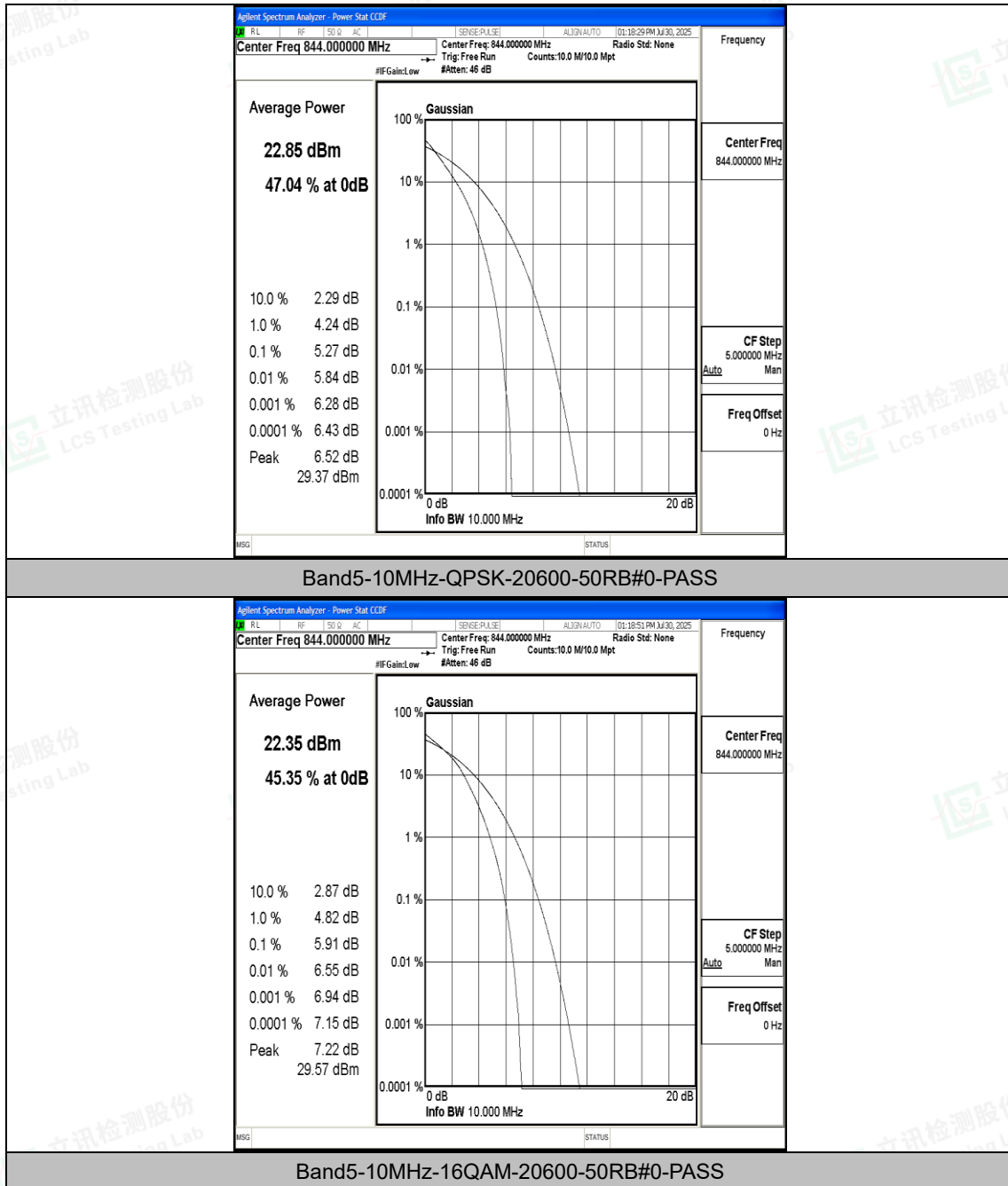














J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0976	1.289	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0992	1.293	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1008	1.299	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0991	1.309	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1021	1.295	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0961	1.387	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7652	3.403	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7596	3.279	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7616	3.384	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7611	3.552	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7672	3.314	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7641	3.424	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5295	5.270	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5249	5.282	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5153	5.345	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5317	5.265	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5293	5.280	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5421	5.361	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9921	9.953	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9630	10.04	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0039	10.13	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0184	10.52	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9651	10.08	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9836	9.874	PASS





Test Graphs

