



Appendix D: Test Data for E-UTRA Band 5

Product Name: Remote controller

Test Model: PYK-200

Environmental Conditions

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



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
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D.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.55	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.34	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.57	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.36	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.54	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.78	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.58	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.96	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.57	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.85	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.61	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.62	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.39	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.55	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.39	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.61	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.78	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.50	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.74	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.19	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.74	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.16	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.78	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.04	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.86	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.38	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.44	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.53	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.10	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.99	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.33	PASS



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Band5	1.4MHz	16QAM	20643	3RB#0	22.65	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.38	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.01	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.58	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.37	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.73	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.07	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.35	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.72	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.36	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.73	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.35	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.52	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.69	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.12	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.40	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.10	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.50	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.06	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.46	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.94	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.47	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.25	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.66	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.10	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.77	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.15	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.54	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.20	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.56	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.30	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.71	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.35	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.79	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.98	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.34	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.64	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.34	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.37	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.05	PASS



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Band5	3MHz	16QAM	20635	1RB#14	21.90	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.72	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.22	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.73	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.21	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.60	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.06	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.74	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.21	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.38	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.15	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.59	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.24	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.69	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.35	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.62	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.92	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.38	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.93	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.50	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.93	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.37	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.05	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.42	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.27	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.32	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.02	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.91	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.17	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.66	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.08	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.62	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.16	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.66	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.17	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.60	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.15	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.53	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.96	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.37	PASS



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Band5	5MHz	16QAM	20625	1RB#12	22.81	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.70	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.26	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.85	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.36	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.70	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.35	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.63	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.00	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.74	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.20	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.32	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.89	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.38	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.95	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.39	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.93	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.58	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.00	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.41	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.00	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.42	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.92	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.43	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.92	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.34	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.08	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.54	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.25	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.55	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.40	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.63	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.17	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.54	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.18	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.67	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.24	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.61	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.11	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.59	PASS



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Band5	10MHz	16QAM	20600	1RB#0	23.60	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.49	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.61	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.05	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.91	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.93	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.30	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.69	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.31	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.67	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.27	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.81	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.22	PASS





D.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	4.96	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.33	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.74	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.34	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.73	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.56	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.11	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.82	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3.54	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.28	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.01	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.05	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.76	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.81	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.49	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.78	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.22	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.22	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.74	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.67	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.69	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.34	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.15	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.84	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	4.95	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.09	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.64	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.23	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.15	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.54	13	PASS



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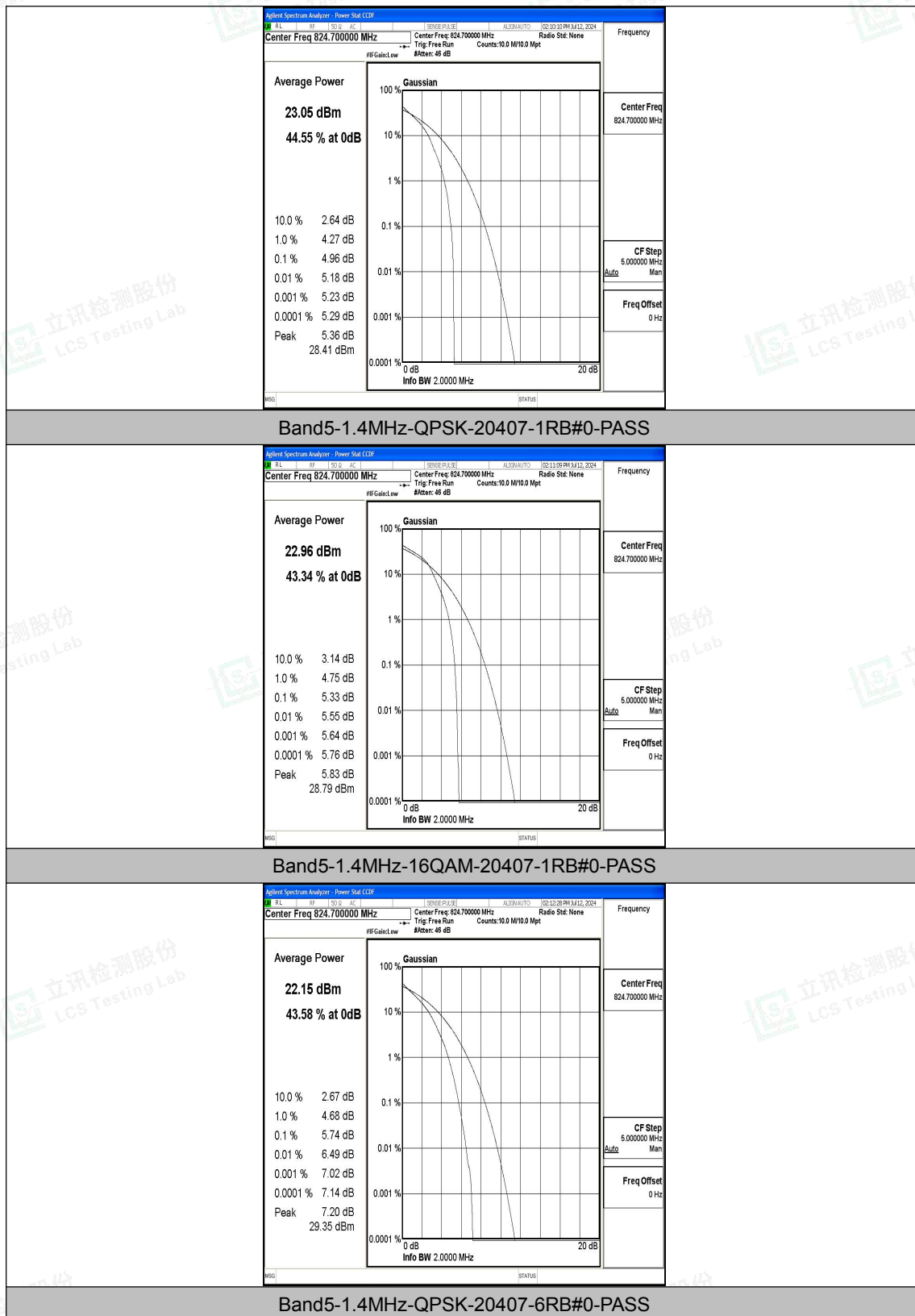


Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.87	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.15	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.68	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.67	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.35	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.83	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.64	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.31	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.76	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.87	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.34	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.98	13	PASS





Test Graphs

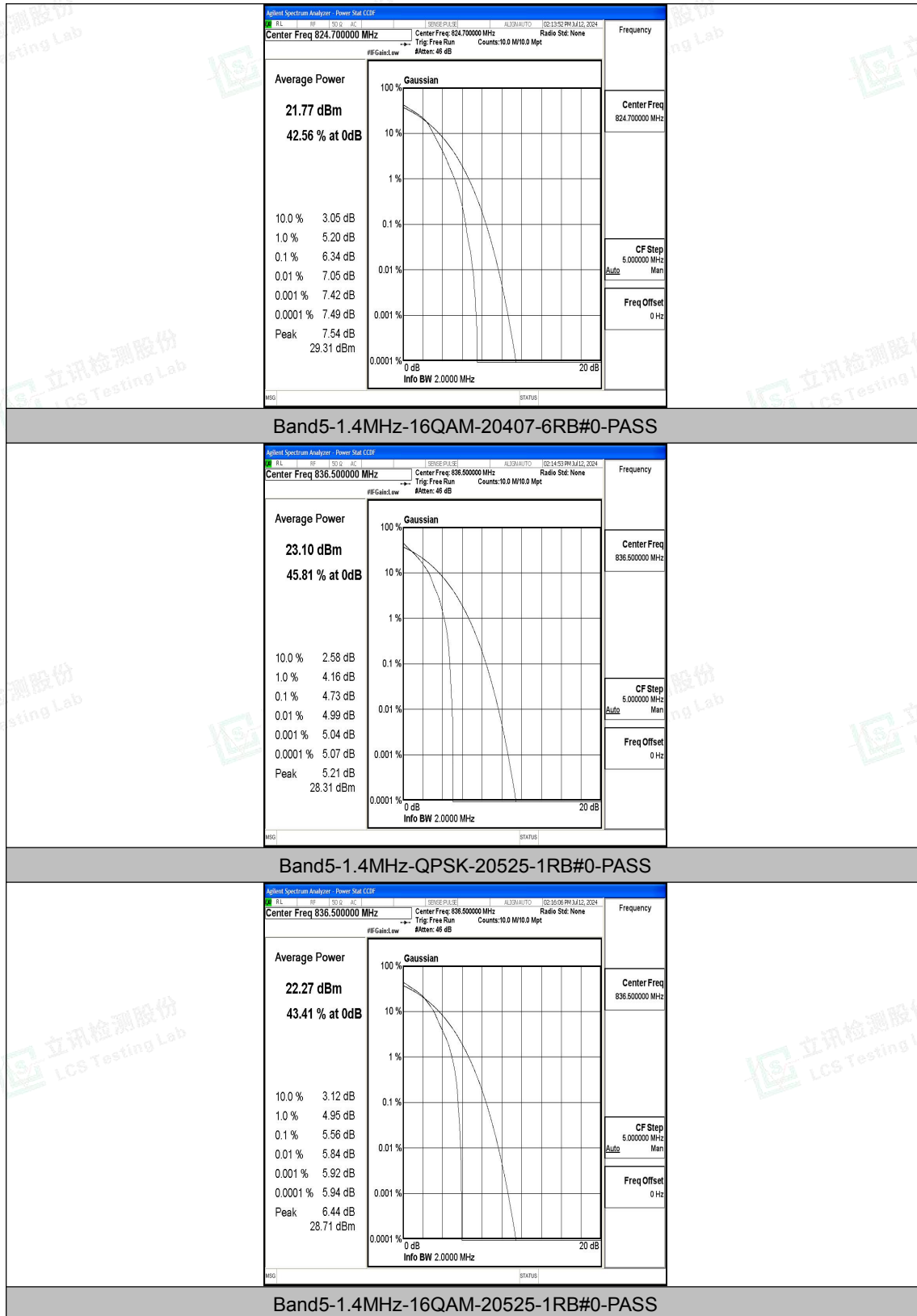


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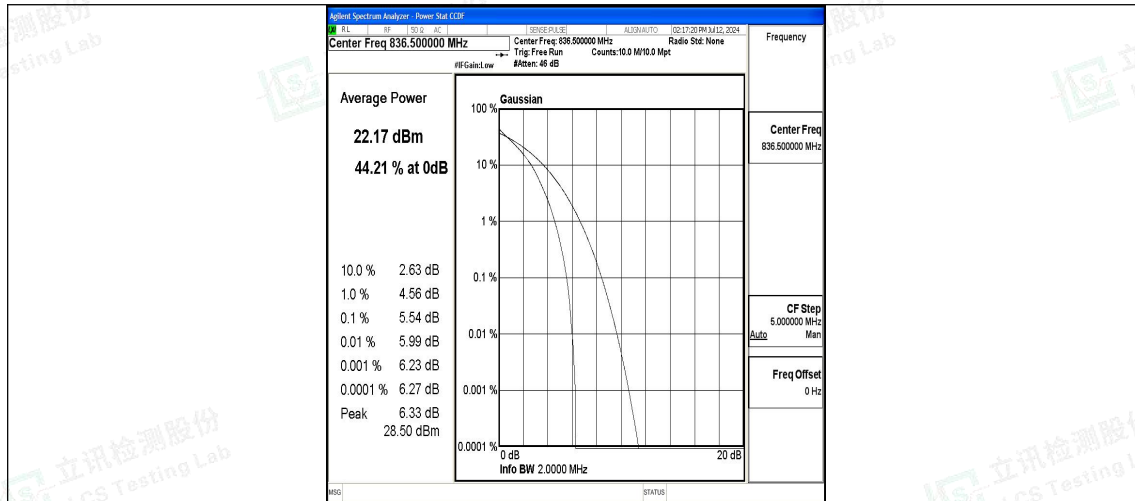


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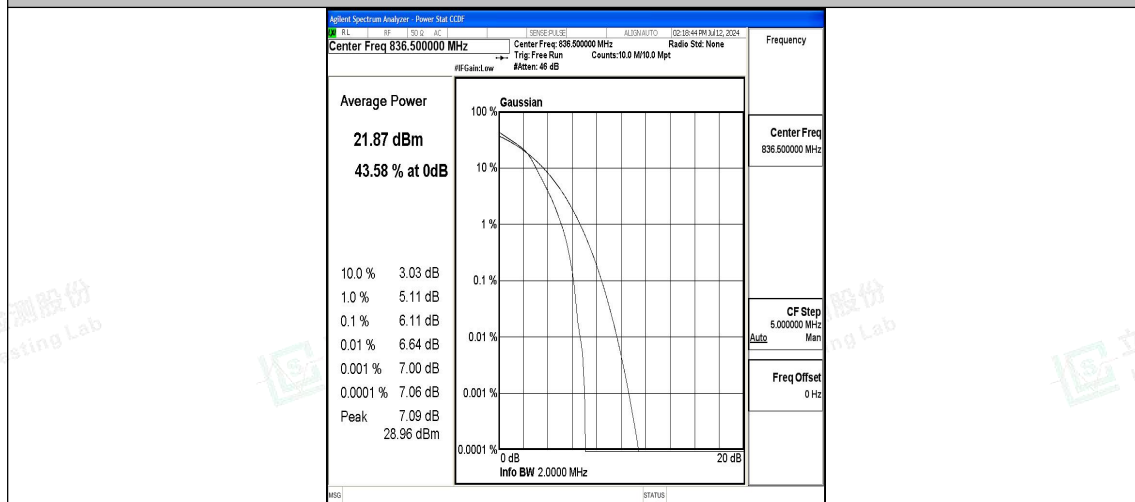
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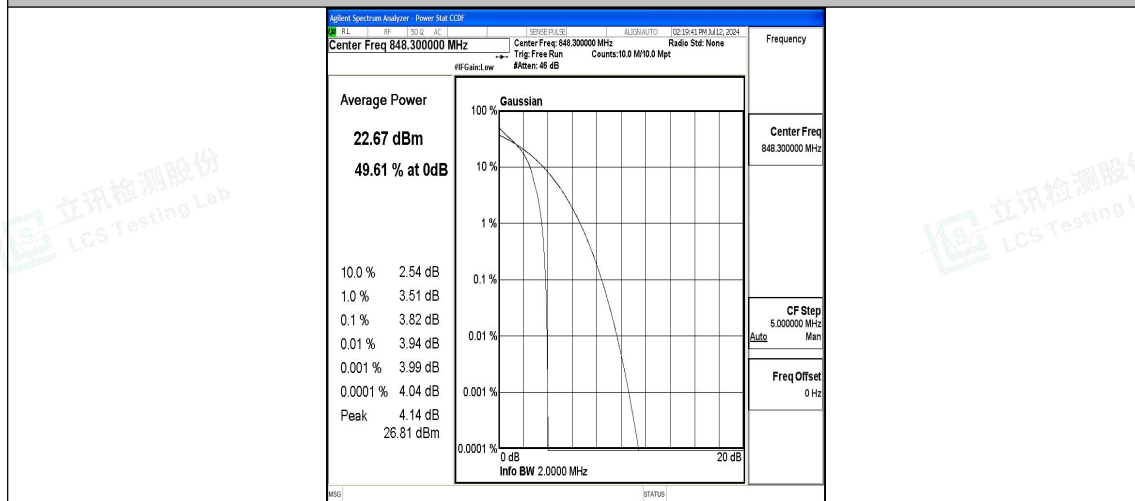
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Band5-1.4MHz-QPSK-20525-6RB#0-PASS



Band5-1.4MHz-16QAM-20525-6RB#0-PASS



Band5-1.4MHz-QPSK-20643-1RB#0-PASS

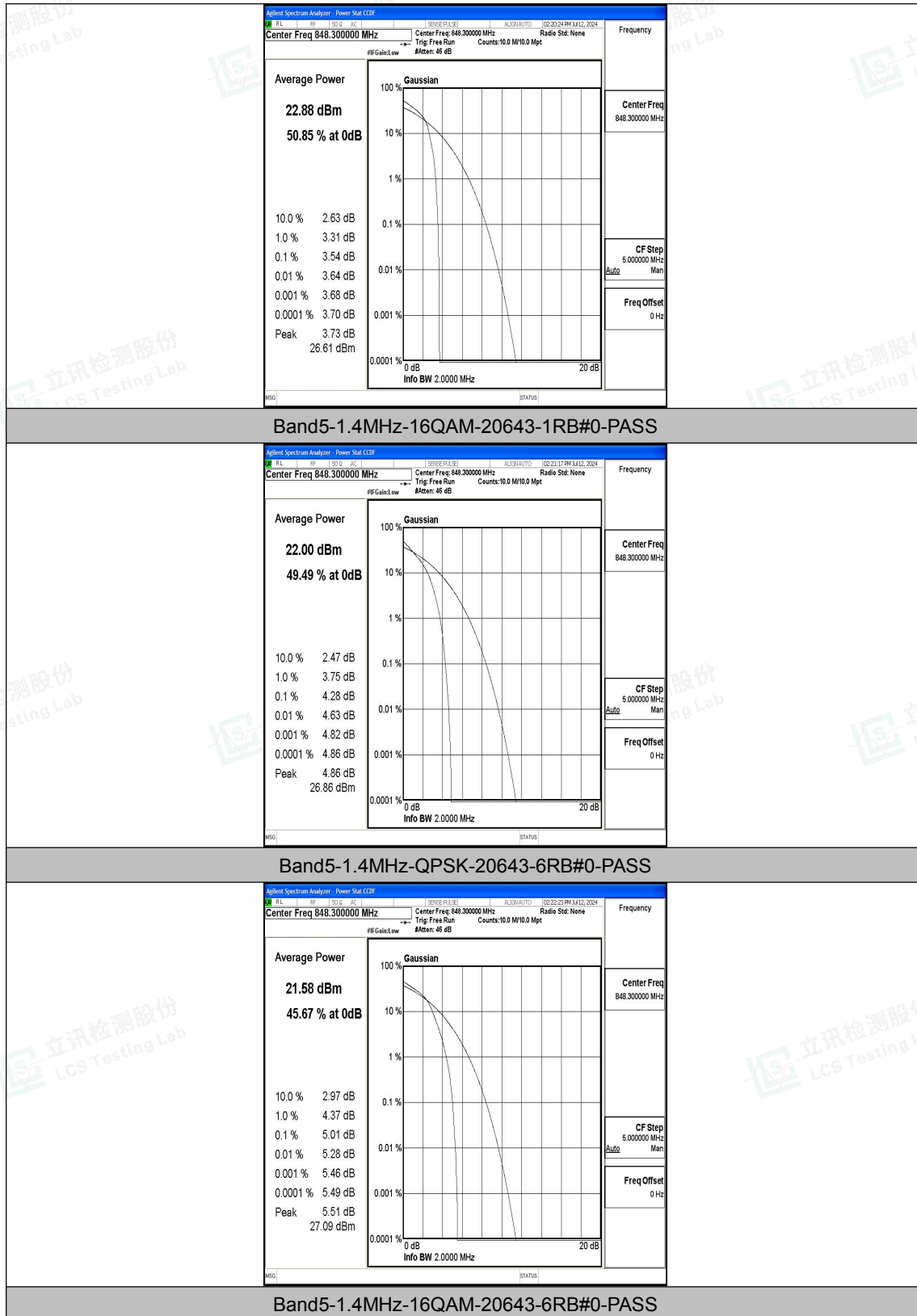


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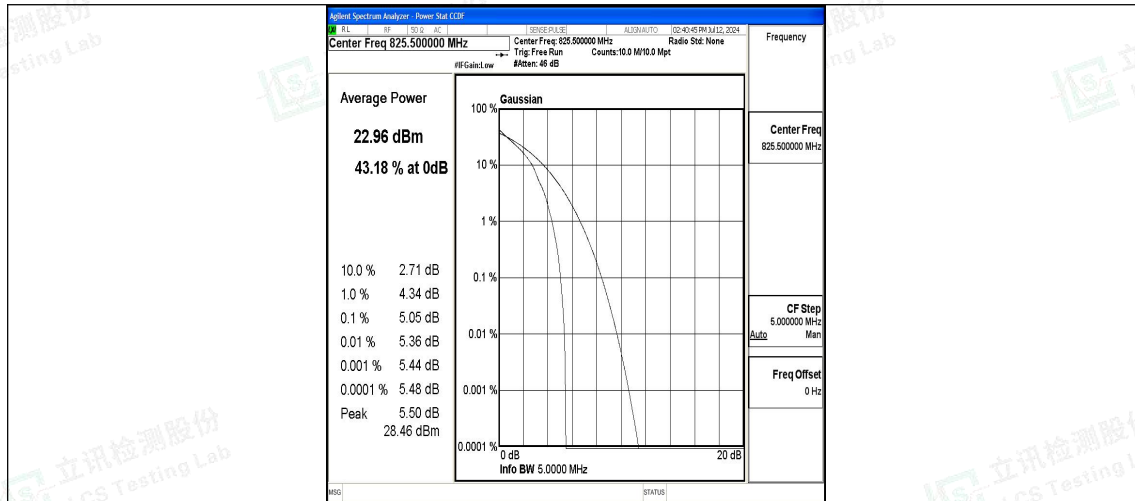


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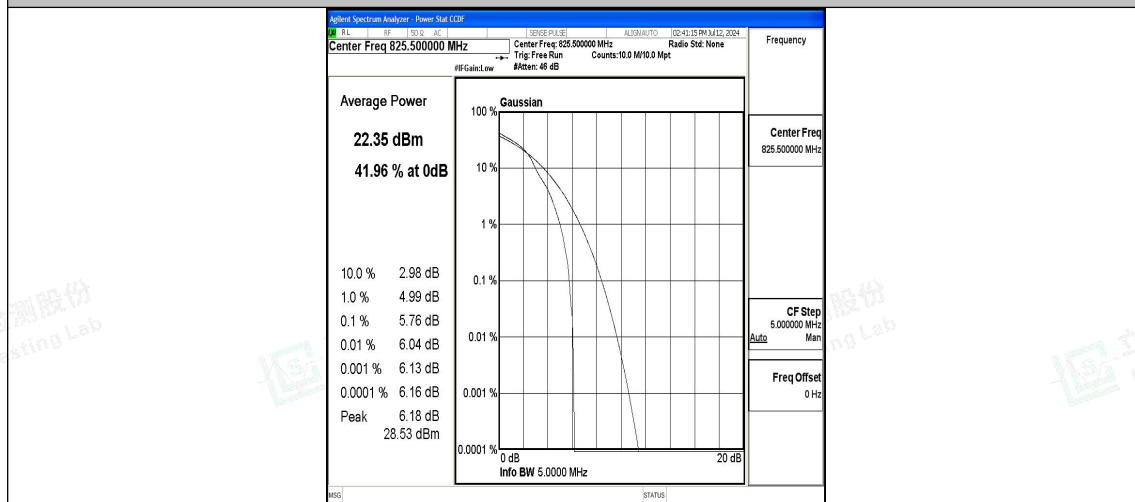
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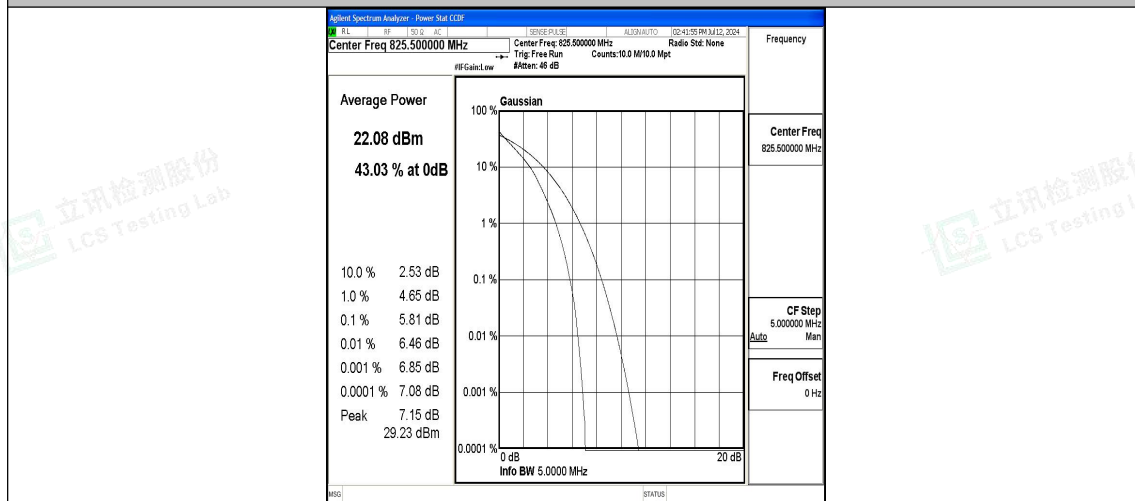
Scan code to check authenticity



Band5-3MHz-QPSK-20415-1RB#0-PASS



Band5-3MHz-16QAM-20415-1RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS

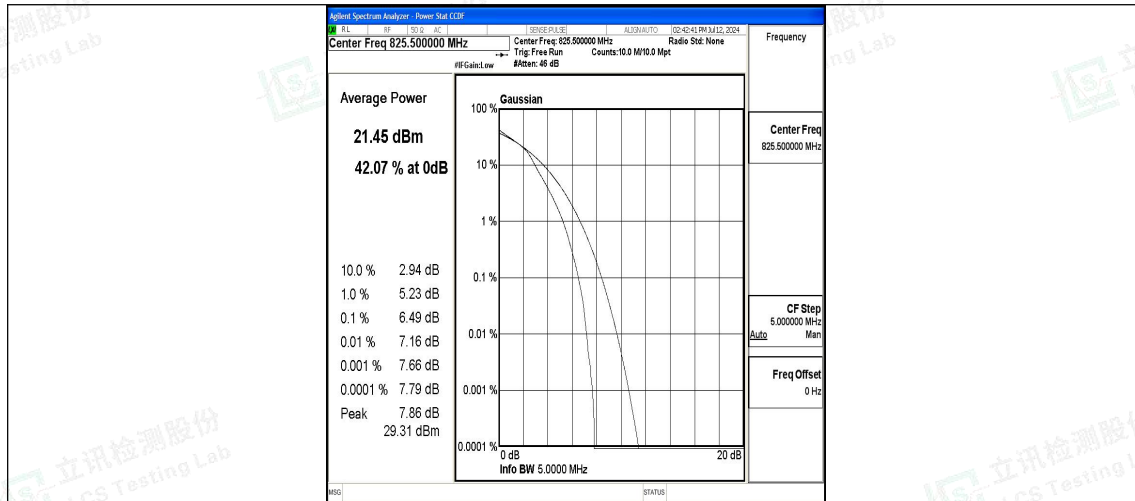


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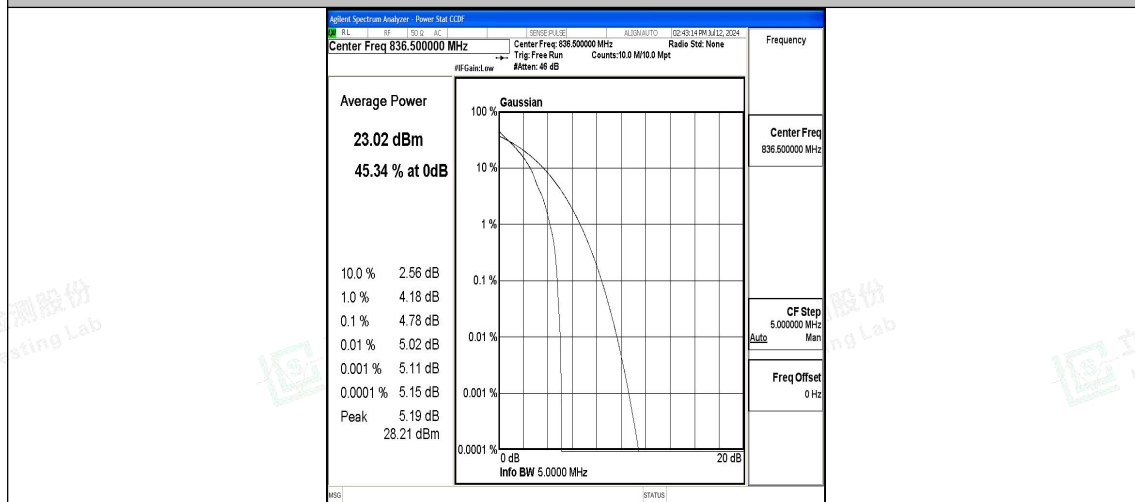
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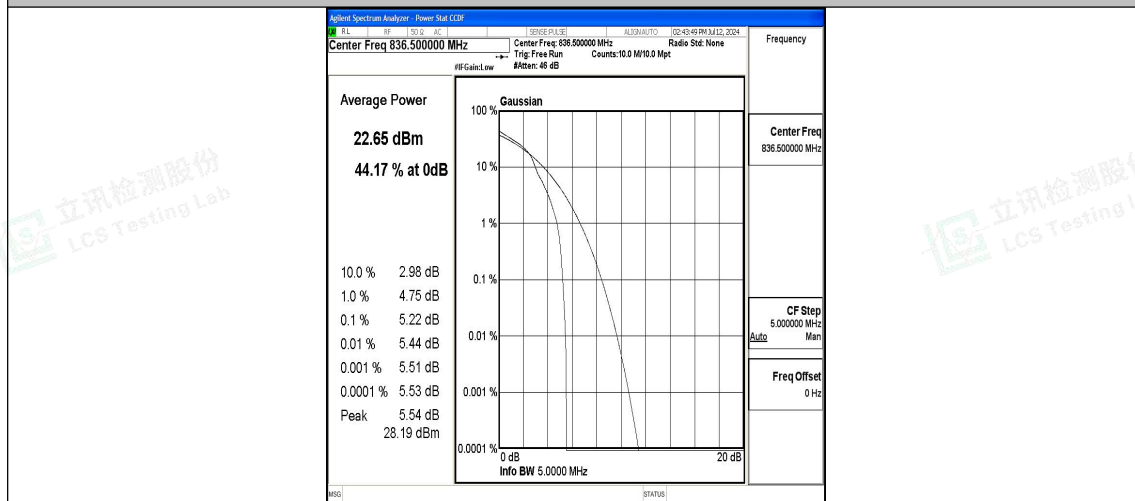
Scan code to check authenticity



Band5-3MHz-16QAM-20415-15RB#0-PASS



Band5-3MHz-QPSK-20525-1RB#0-PASS



Band5-3MHz-16QAM-20525-1RB#0-PASS

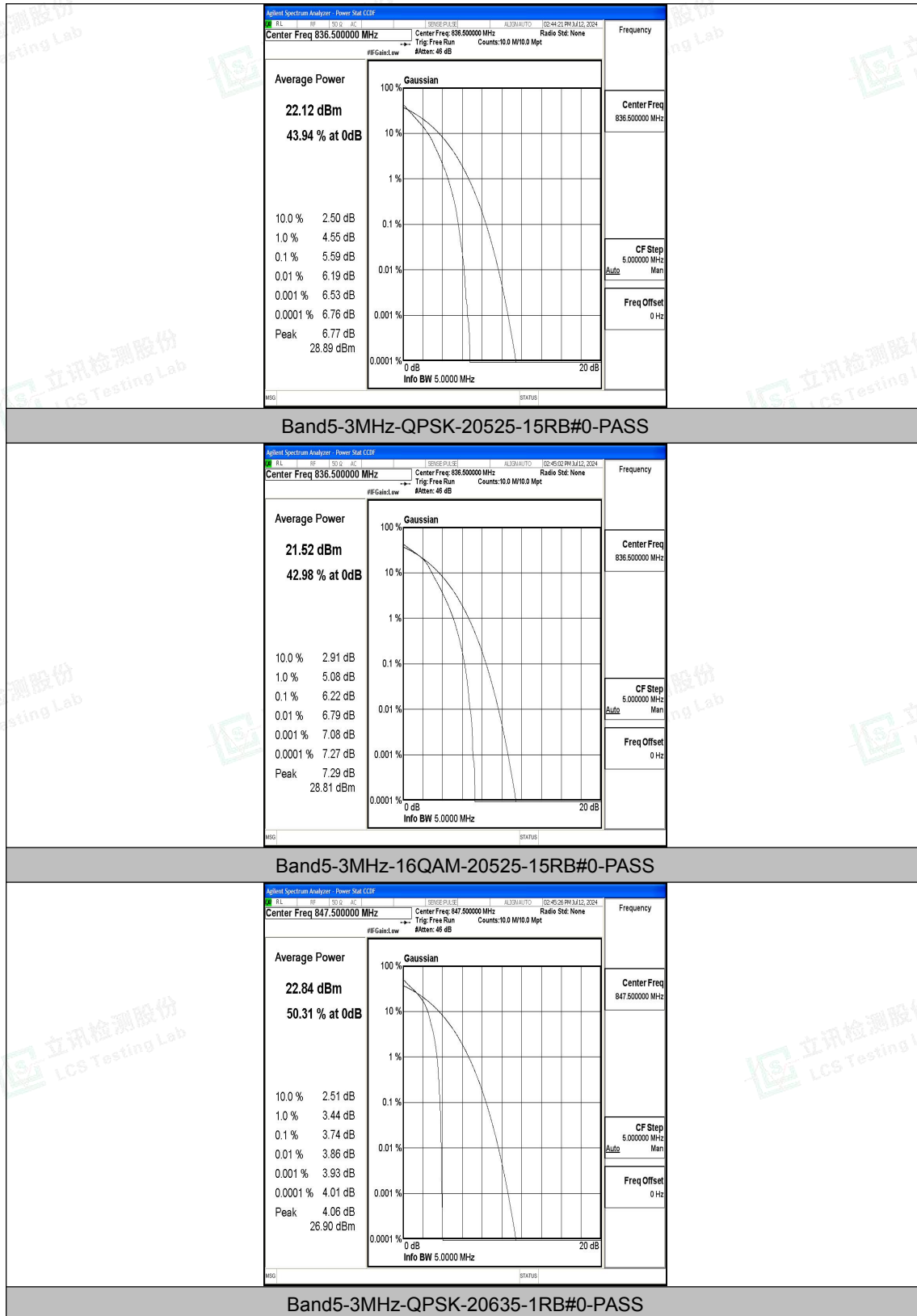


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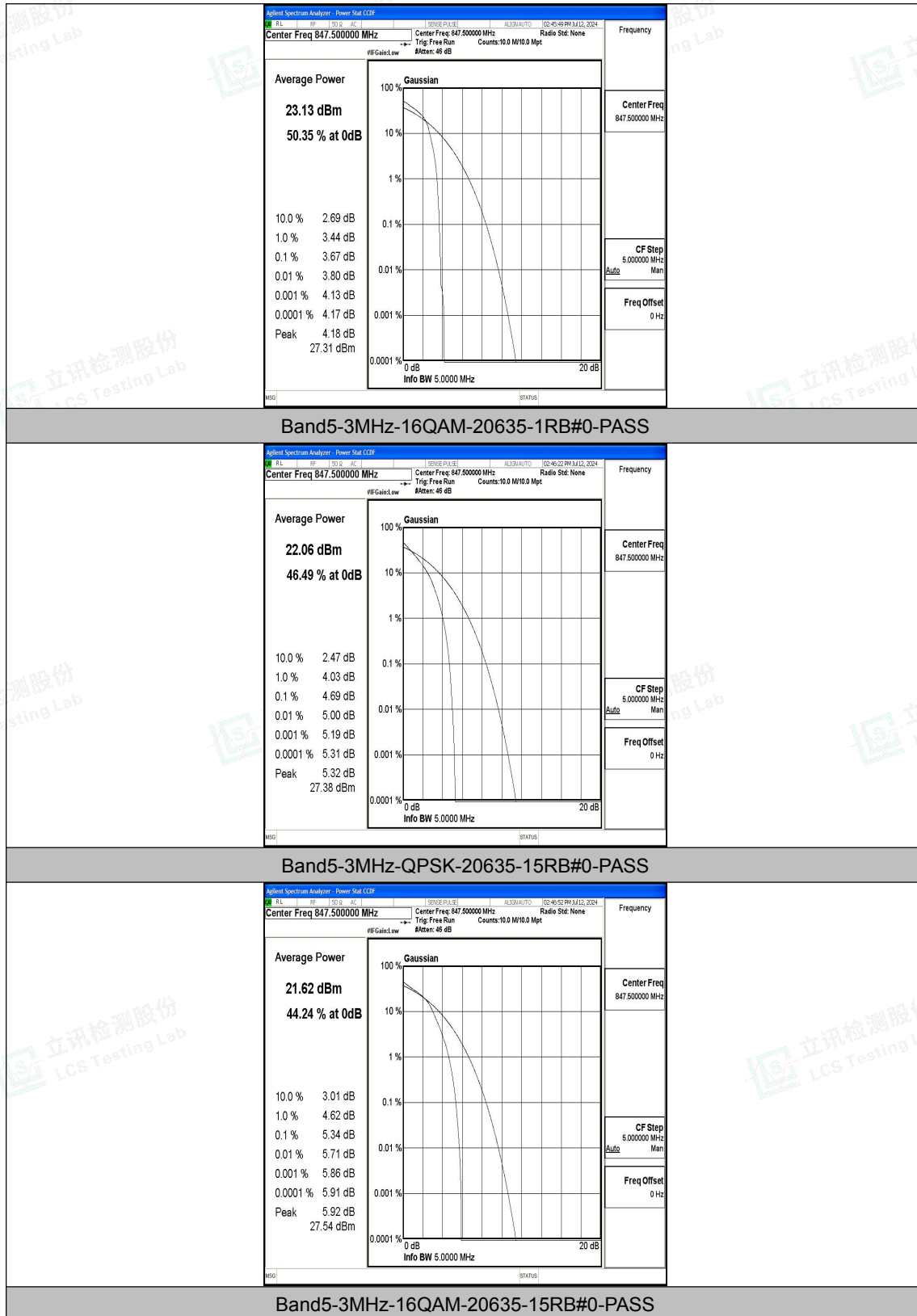


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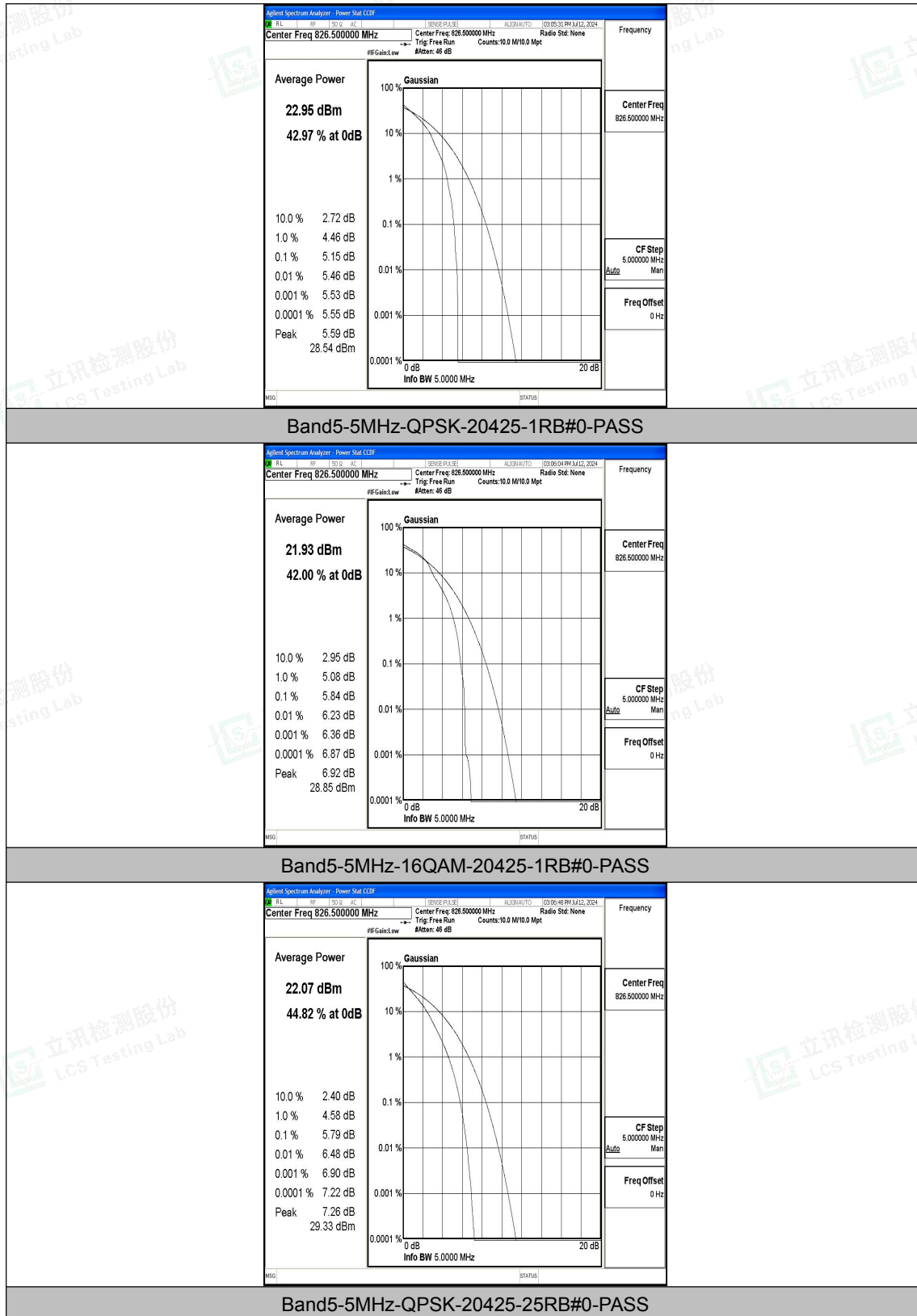


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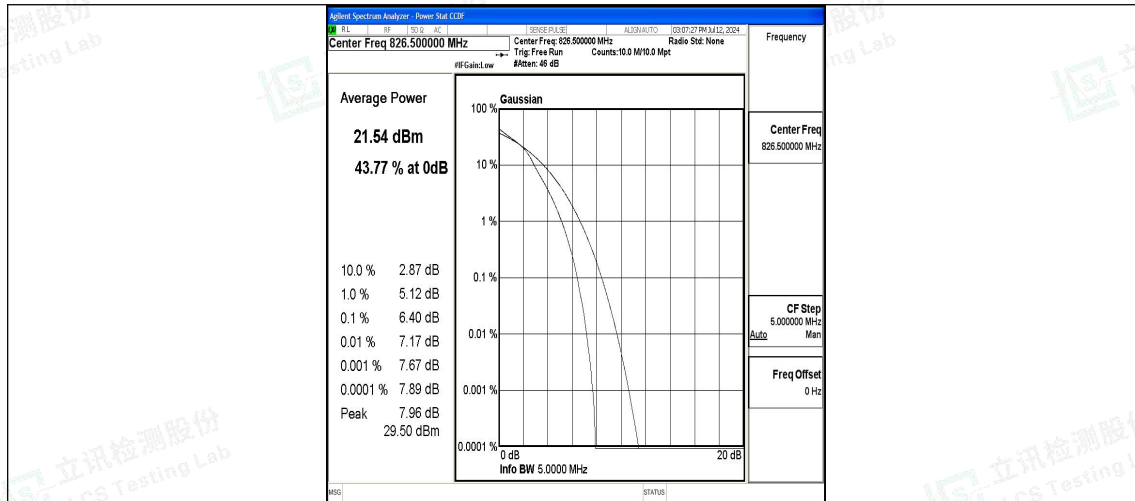


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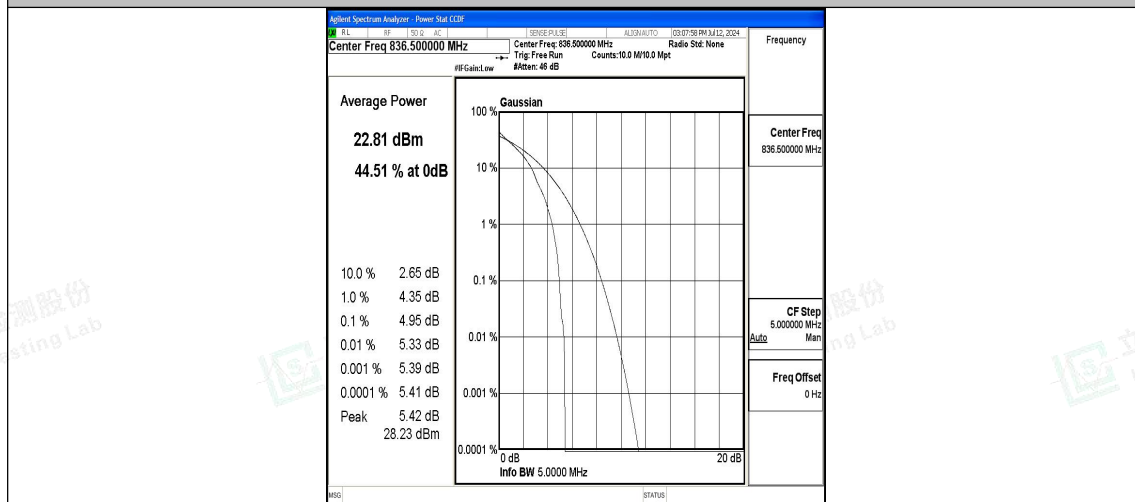
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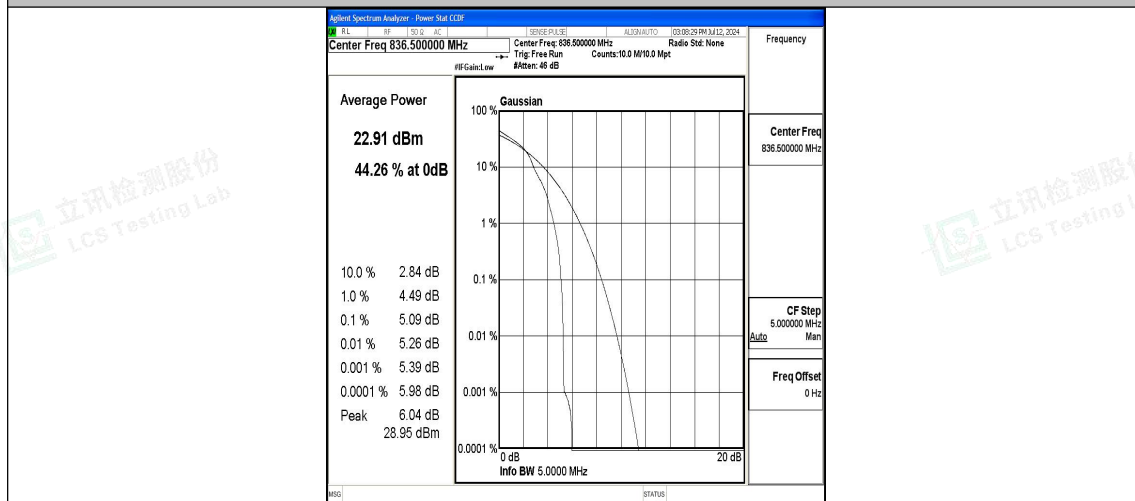
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Band5-5MHz-16QAM-20425-25RB#0-PASS



Band5-5MHz-QPSK-20525-1RB#0-PASS



Band5-5MHz-16QAM-20525-1RB#0-PASS

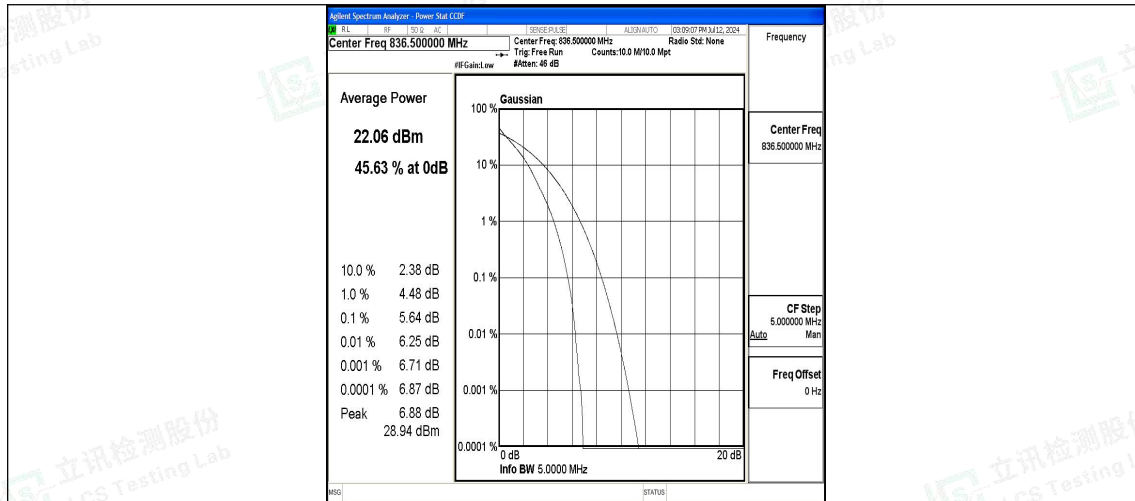


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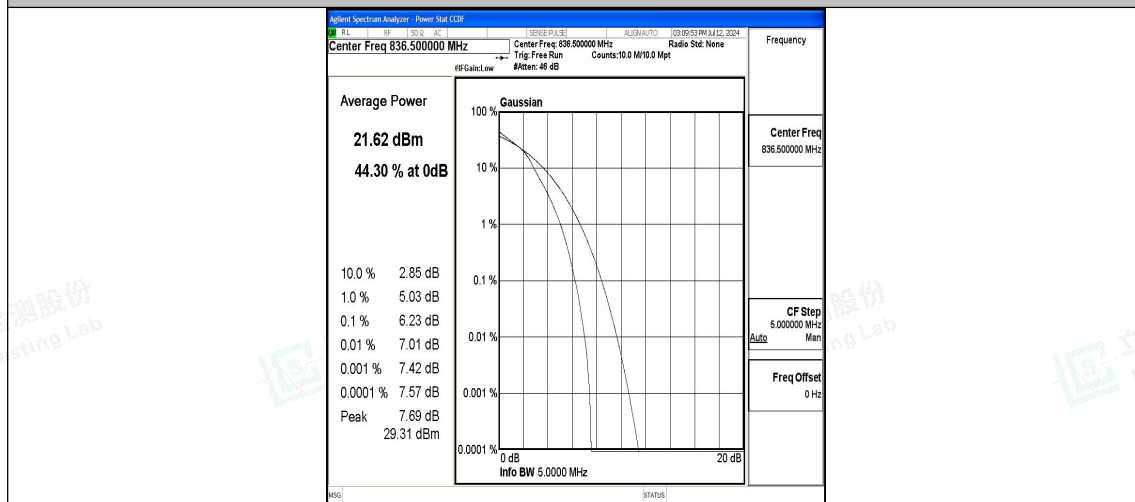
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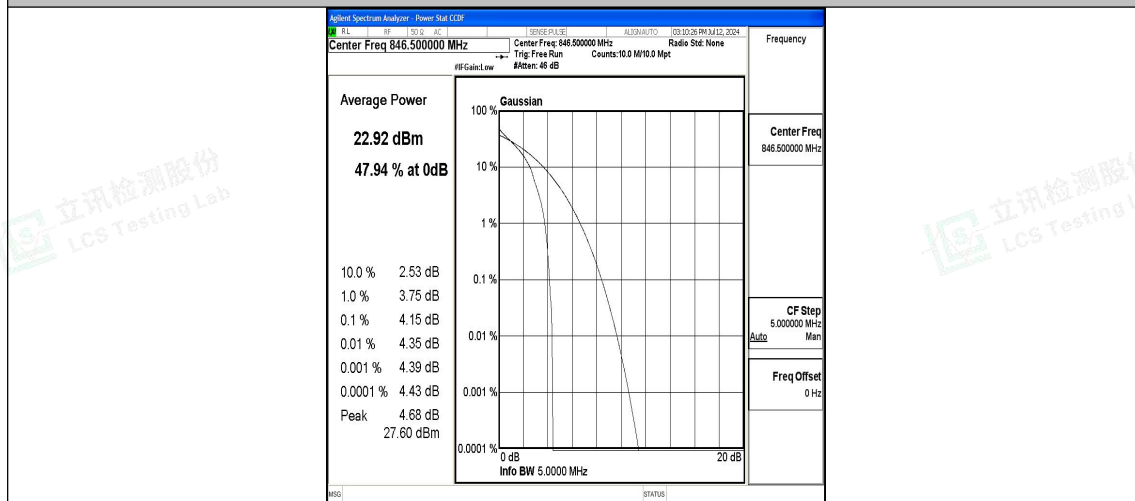
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Band5-5MHz-QPSK-20525-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS



Band5-5MHz-QPSK-20625-1RB#0-PASS

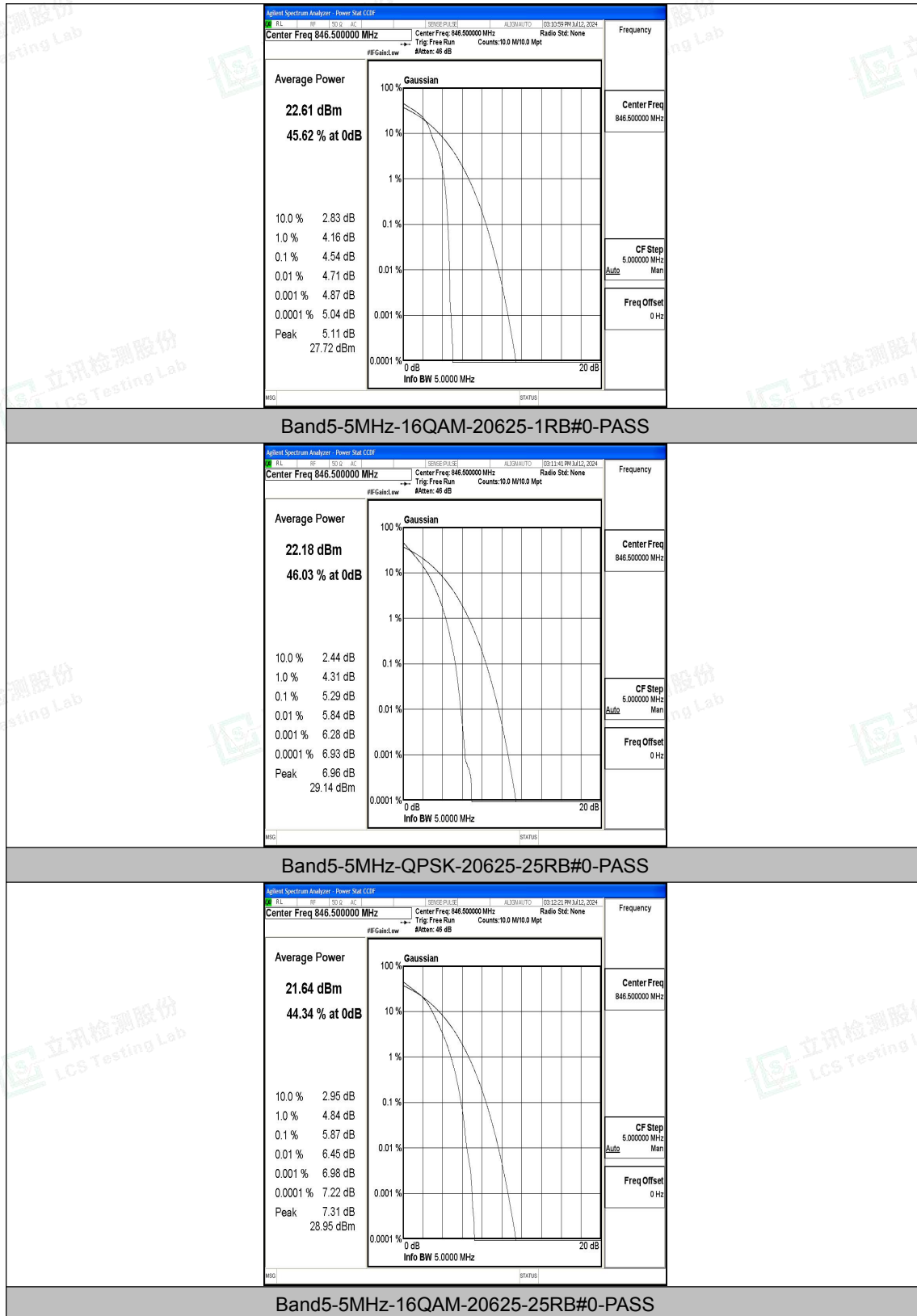


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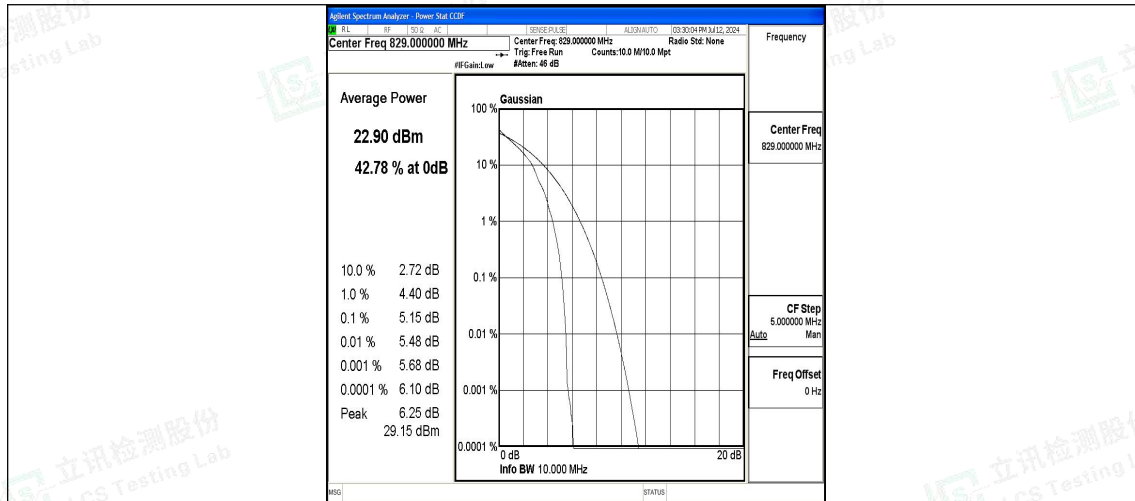


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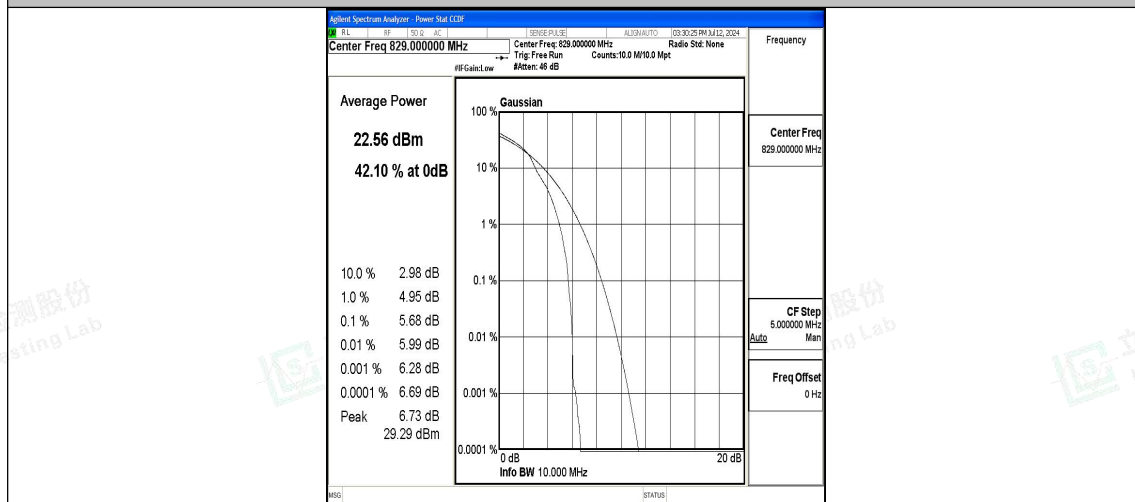
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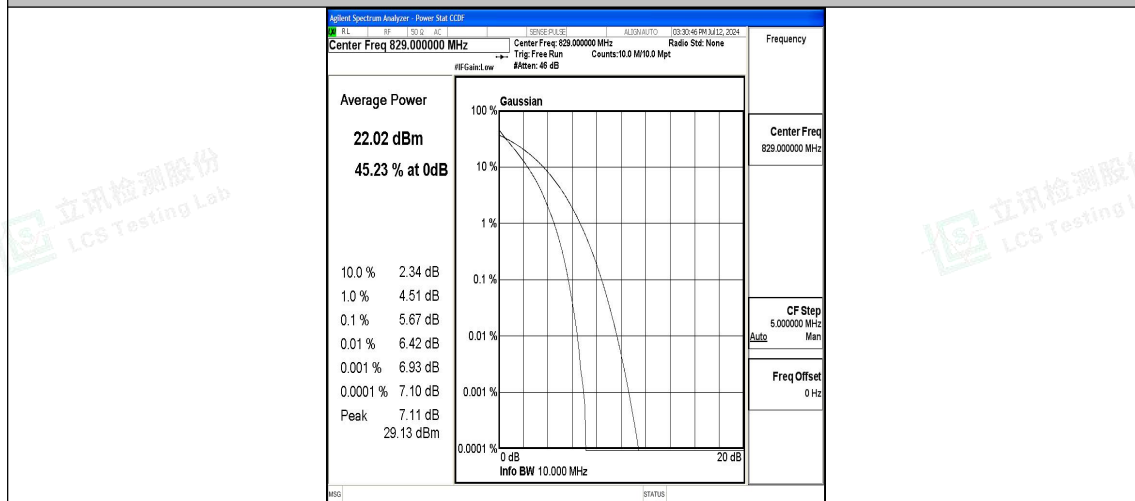
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Band5-10MHz-QPSK-20450-1RB#0-PASS



Band5-10MHz-16QAM-20450-1RB#0-PASS



Band5-10MHz-QPSK-20450-50RB#0-PASS

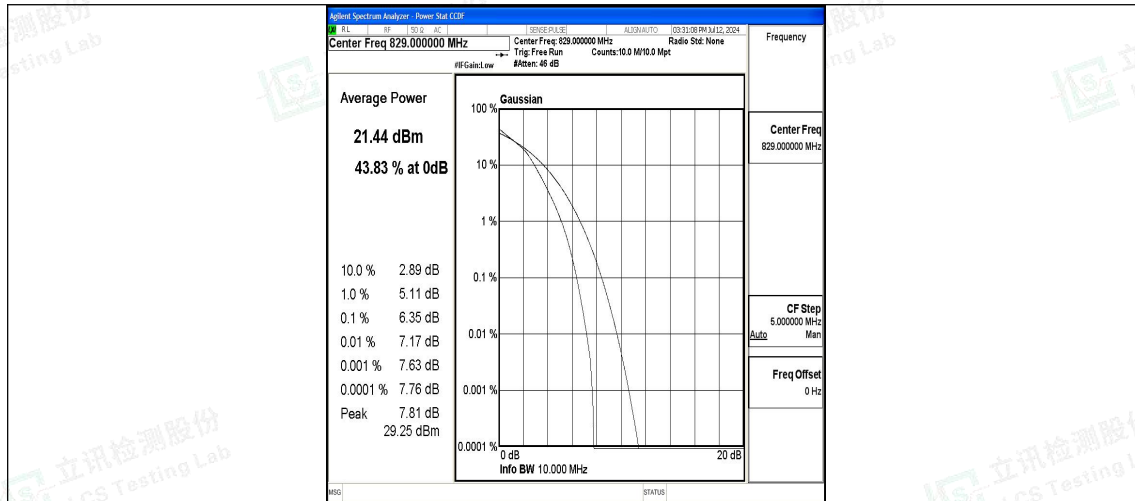


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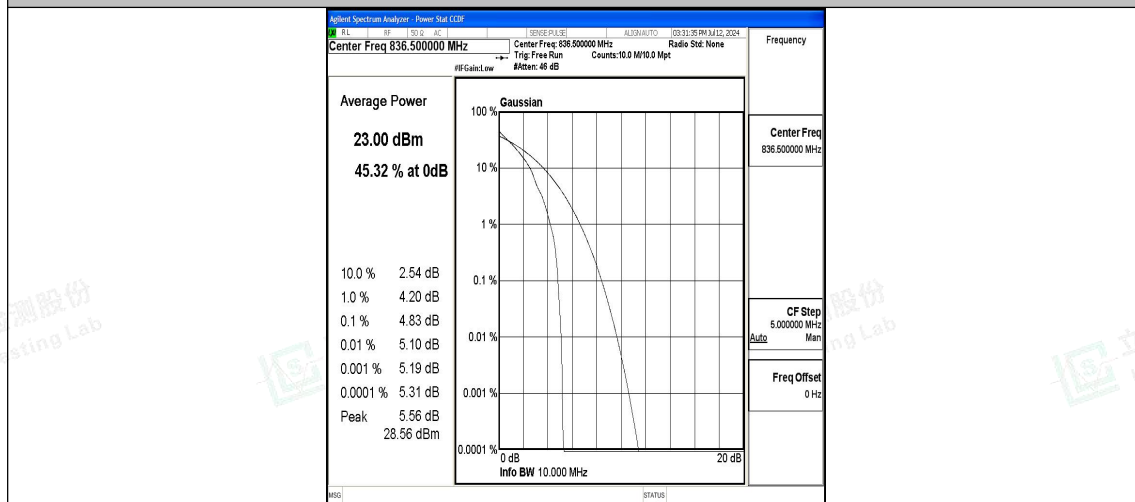
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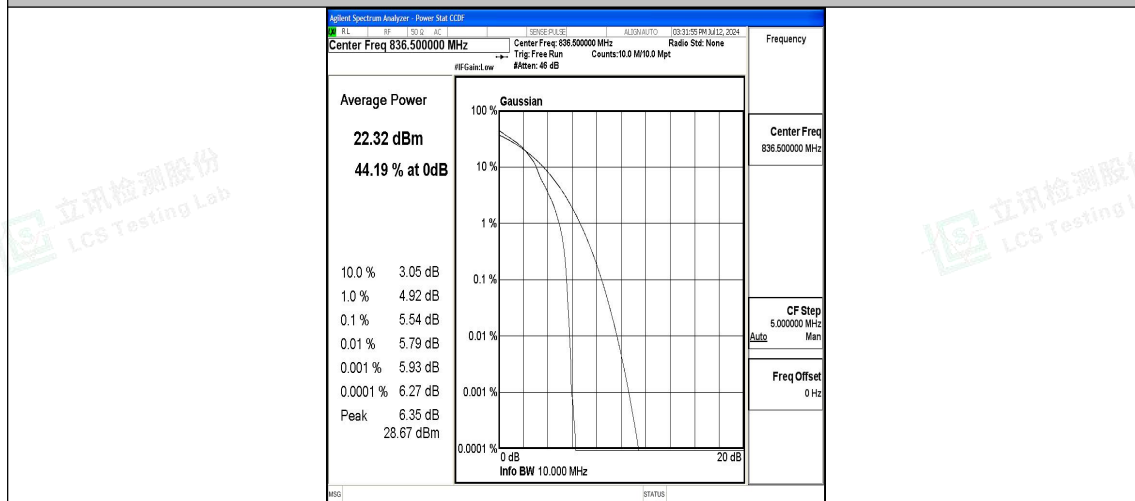
Scan code to check authenticity



Band5-10MHz-16QAM-20450-50RB#0-PASS



Band5-10MHz-QPSK-20525-1RB#0-PASS



Band5-10MHz-16QAM-20525-1RB#0-PASS

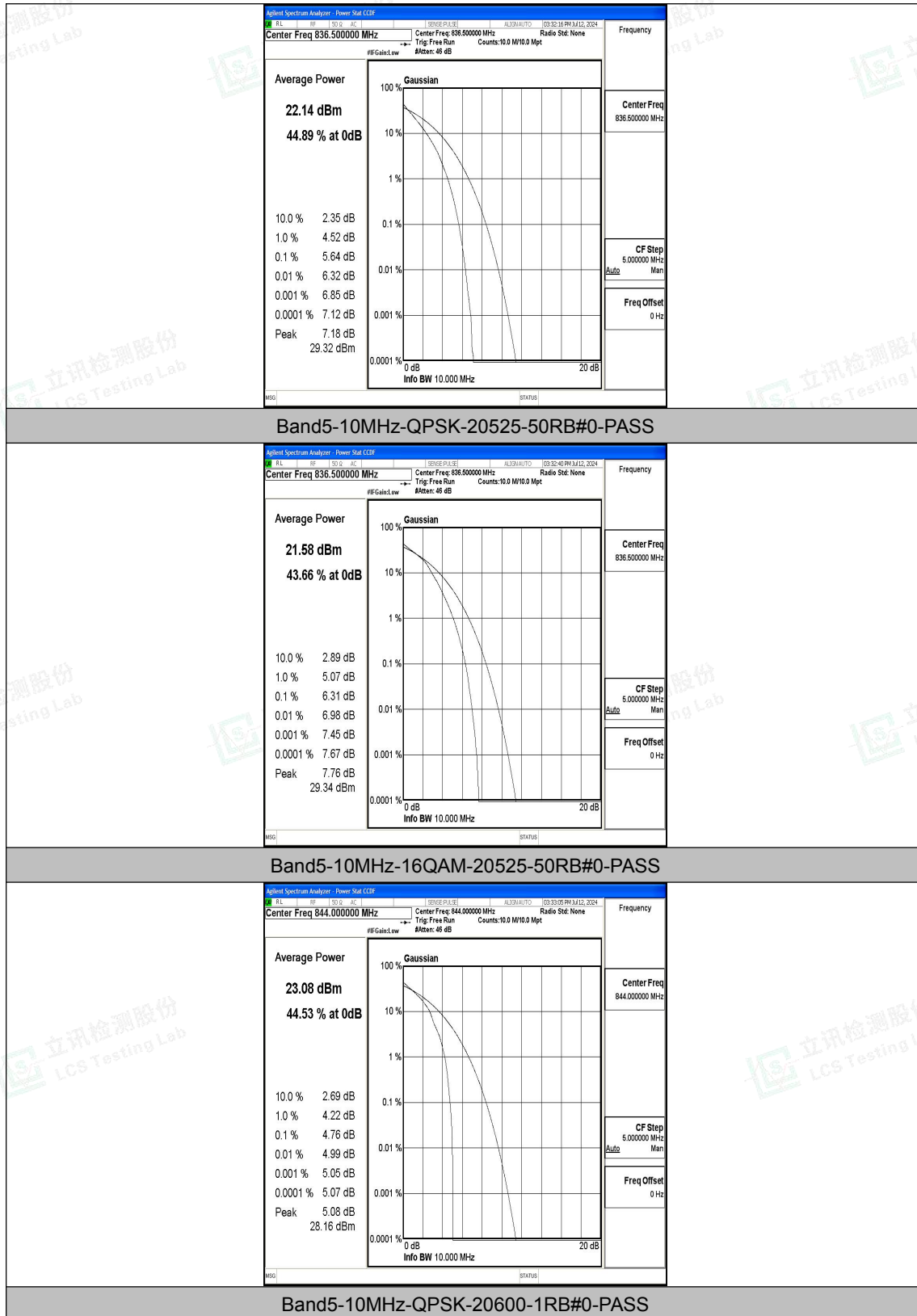


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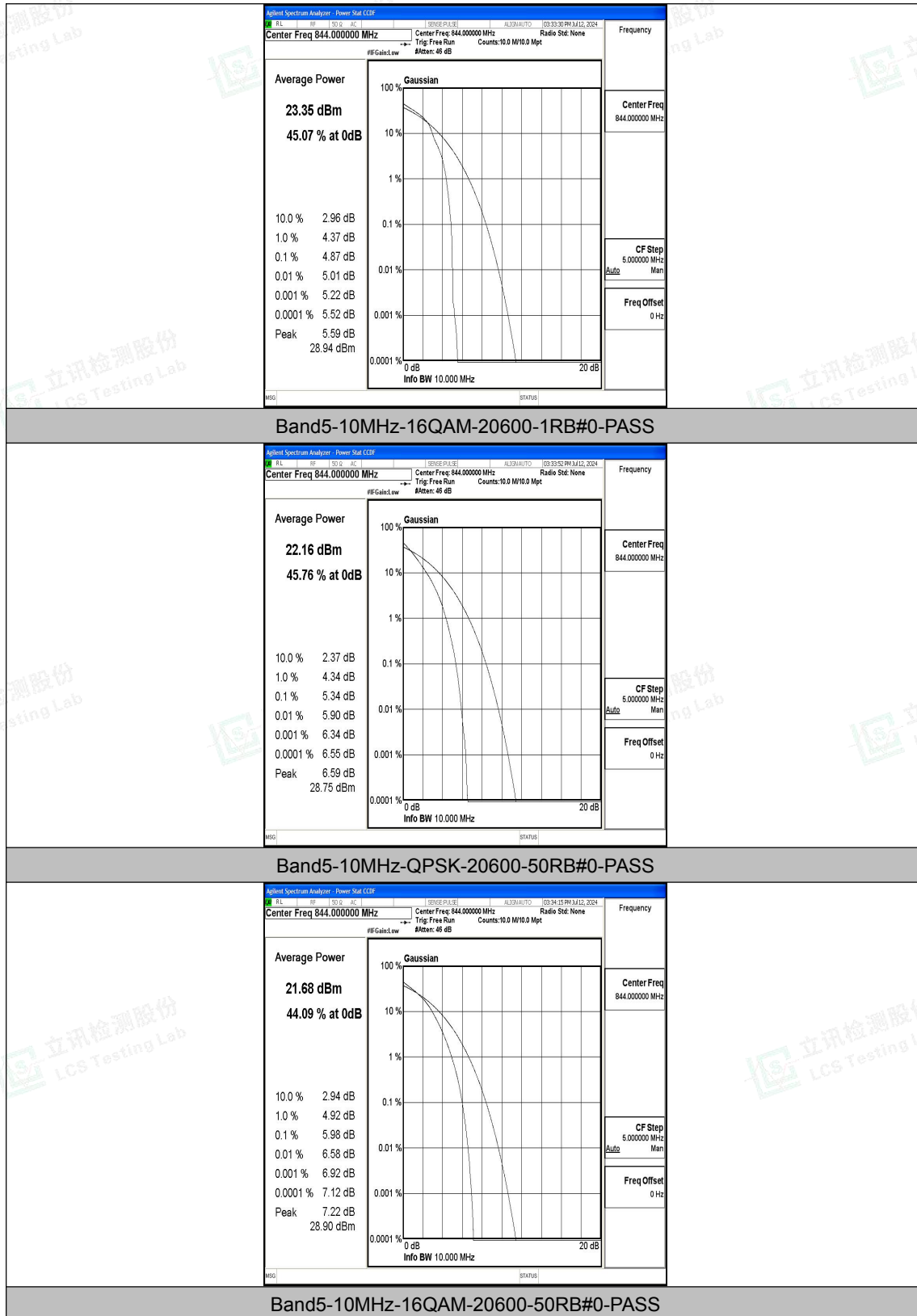


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