



Appendix F: Test Data for E-UTRA Band 5

Product Name: Kids Smartwatch

Test Model: x6

Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan



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F.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.34	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.00	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.18	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.08	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.92	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.85	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.76	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.68	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.71	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.53	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.60	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.53	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.20	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.22	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.13	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.15	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.10	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	23.12	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.22	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	21.93	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.47	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.51	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.58	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.38	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.78	PASS



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Band5	1.4MHz	16QAM	20525	1RB#5	22.66	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.52	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.51	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.49	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.00	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	21.98	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	21.96	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	21.95	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.08	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.55	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.01	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.06	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.62	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.13	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.15	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.15	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.25	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.34	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.41	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.50	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.52	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.50	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.48	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.50	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.93	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.08	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.12	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.25	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.24	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.17	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.24	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.13	PASS
Band5	3MHz	16QAM	20415	1RB#8	21.99	PASS



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Band5	3MHz	16QAM	20415	1RB#14	22.34	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.29	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.22	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.28	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.24	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.46	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.57	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.43	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.60	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.64	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.57	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.65	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.03	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.08	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.15	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.38	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.29	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.31	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.30	PASS
Band5	5MHz	QPSK	20425	1RB#0	22.93	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.37	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.05	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.20	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.20	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.26	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.25	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.29	PASS
Band5	5MHz	QPSK	20525	1RB#12	23.43	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.38	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.40	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.44	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.39	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.50	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.09	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.21	PASS



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Band5	5MHz	QPSK	20625	1RB#24	23.10	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.25	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.19	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.17	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.20	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.89	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.23	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.07	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.09	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.30	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.28	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.25	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.36	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.43	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.12	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.57	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.31	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.26	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.41	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.10	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.08	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.25	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.11	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.24	PASS
Band5	5MHz	16QAM	20625	12RB#13	20.98	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.25	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.93	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.37	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.11	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.29	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.30	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.43	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.41	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.32	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.79	PASS



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Band5	10MHz	QPSK	20525	1RB#49	23.15	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.62	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.60	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.49	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.56	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.28	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.27	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.74	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.49	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.49	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.36	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.36	PASS
Band5	10MHz	16QAM	20450	1RB#0	21.82	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.44	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.05	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.28	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.30	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.46	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.43	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.56	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.43	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.54	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.54	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.63	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.54	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.49	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.52	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.68	PASS
Band5	10MHz	16QAM	20600	1RB#49	21.79	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.46	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.40	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.31	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.38	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.06	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.02	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.59	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.01	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.89	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.18	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.03	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.70	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.08	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.90	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.52	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.13	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.01	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.72	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.98	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.84	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.57	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.13	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.07	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.86	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.97	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.94	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.74	13	PASS



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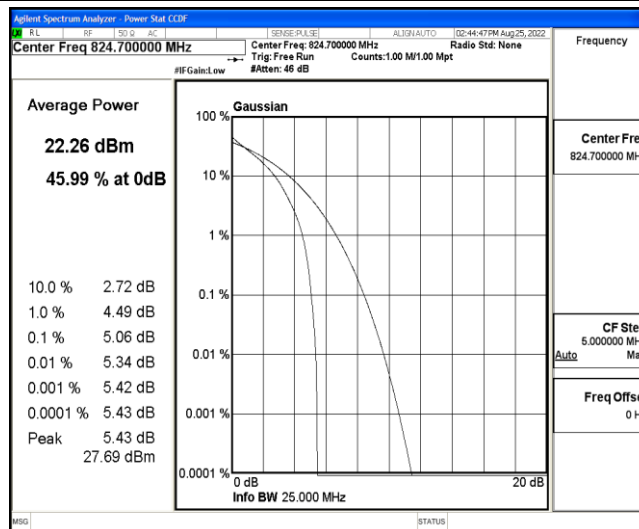
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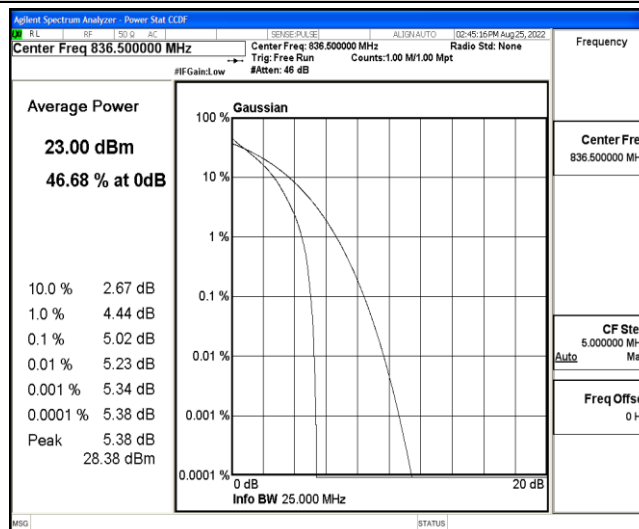


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



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



Band5-1.4MHz-QPSK-20643-6RB#0

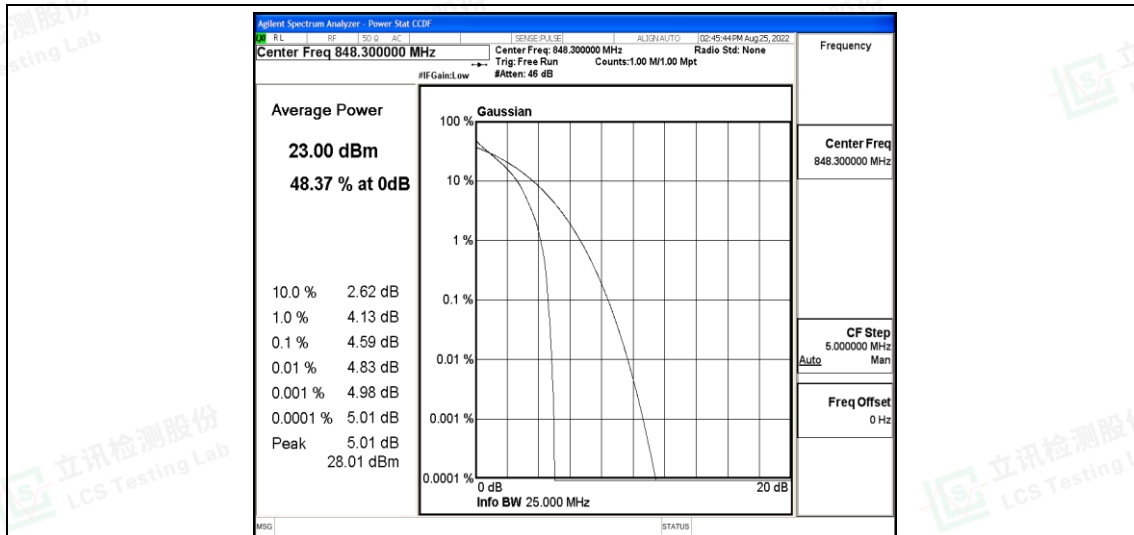


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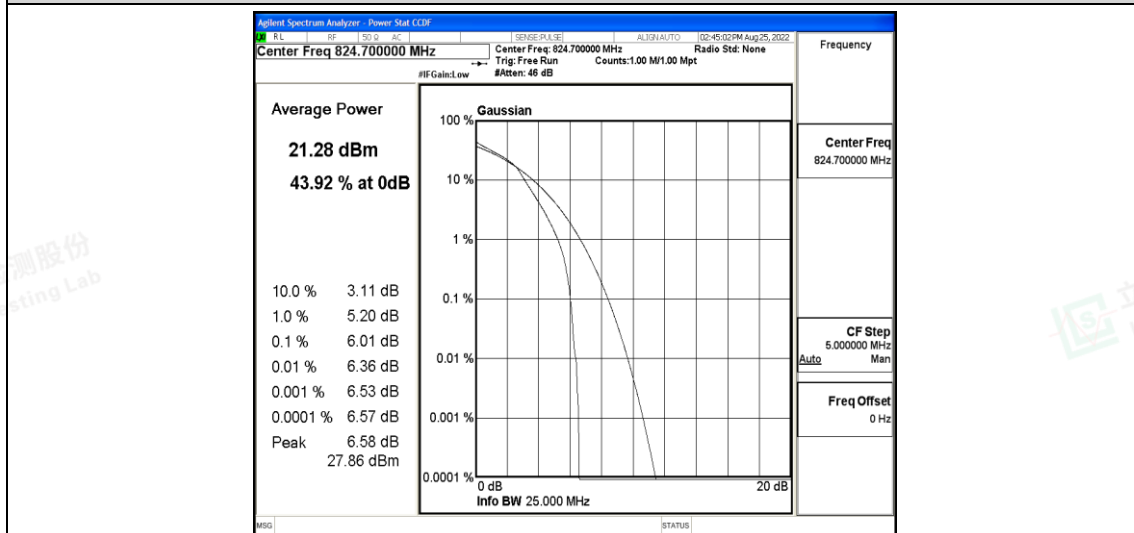
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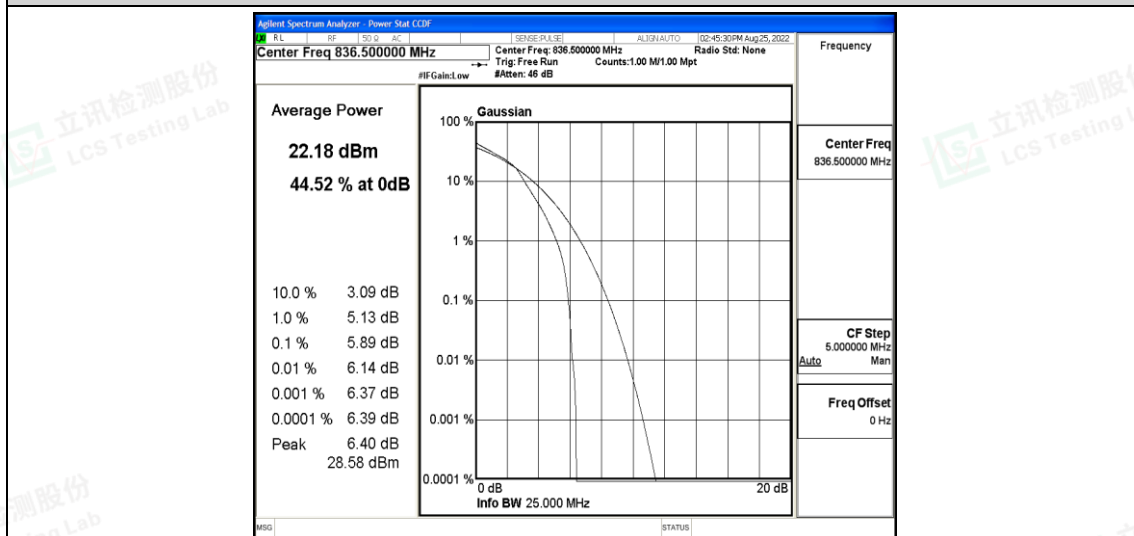
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Band5-1.4MHz-16QAM-20407-6RB#0



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



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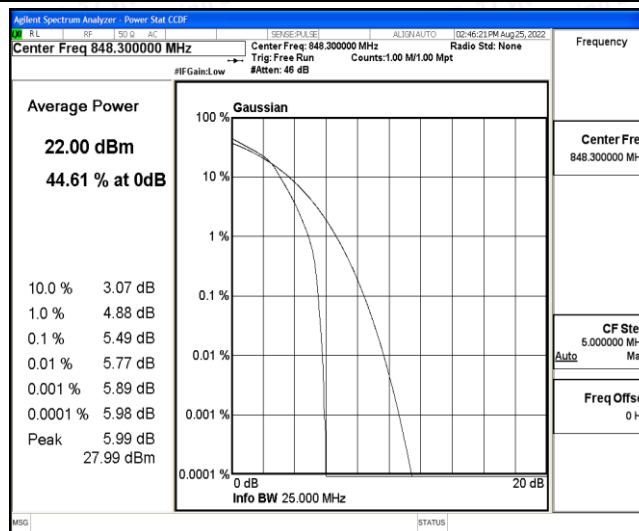
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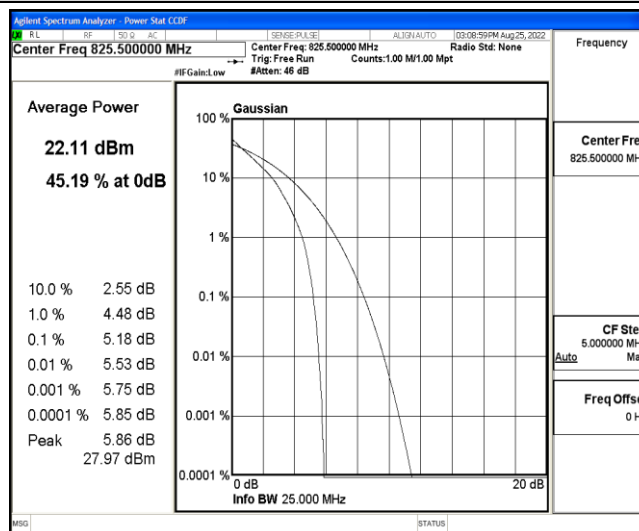
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Band5-1.4MHz-16QAM-20643-6RB#0



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



Band5-3MHz-QPSK-20525-15RB#0

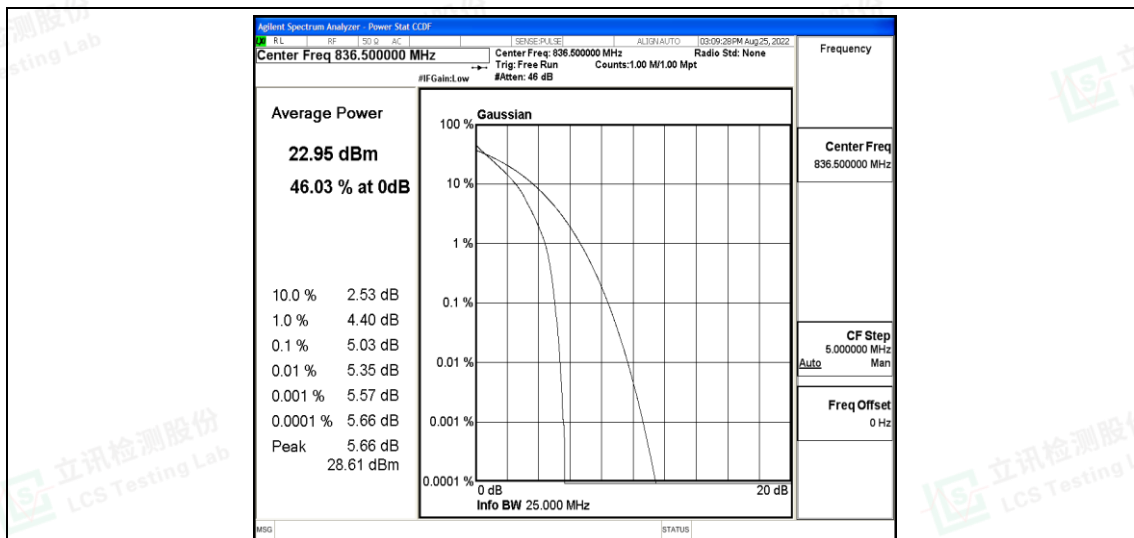


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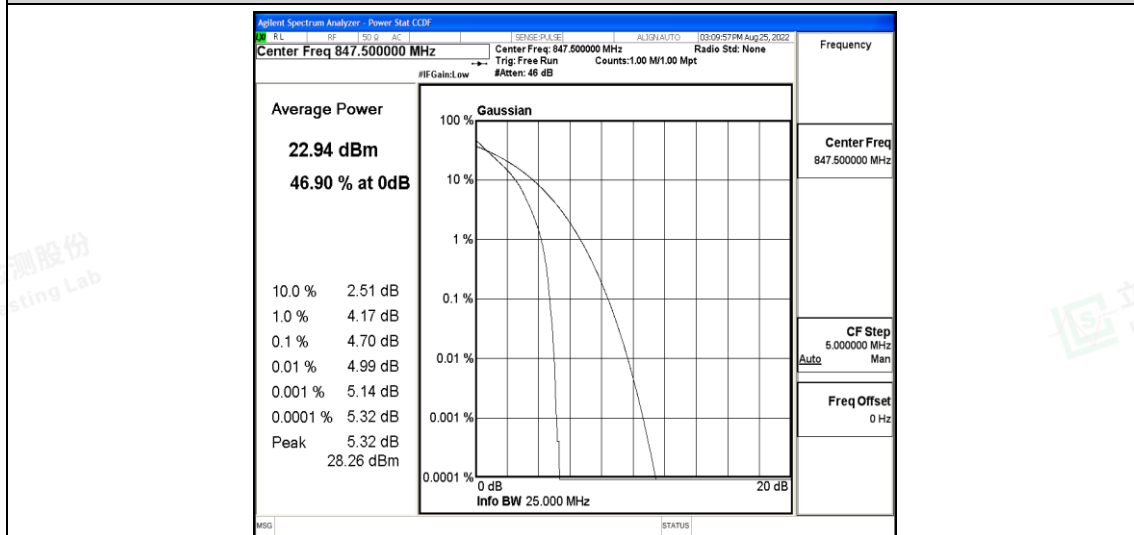
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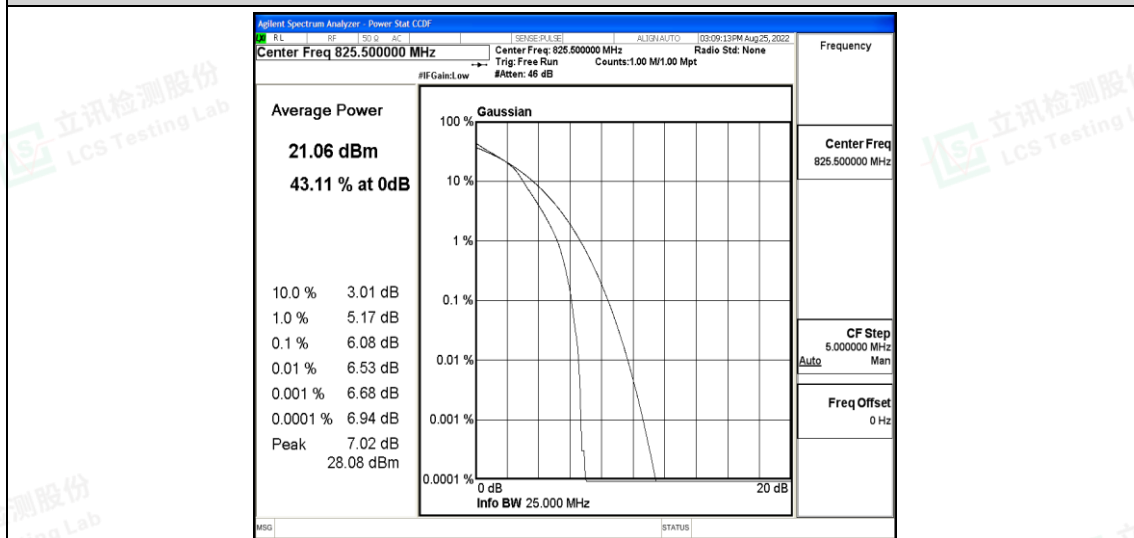
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Band5-3MHz-QPSK-20635-15RB#0



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



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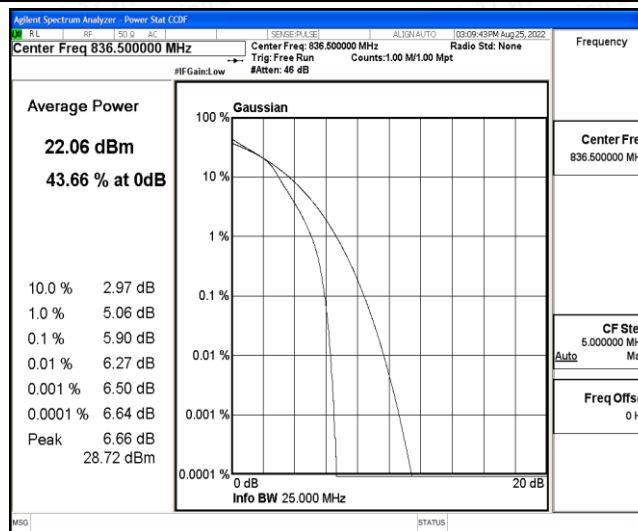
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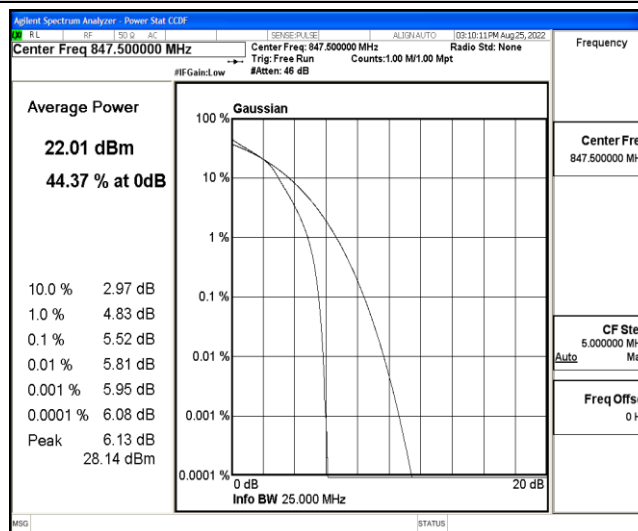
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Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0

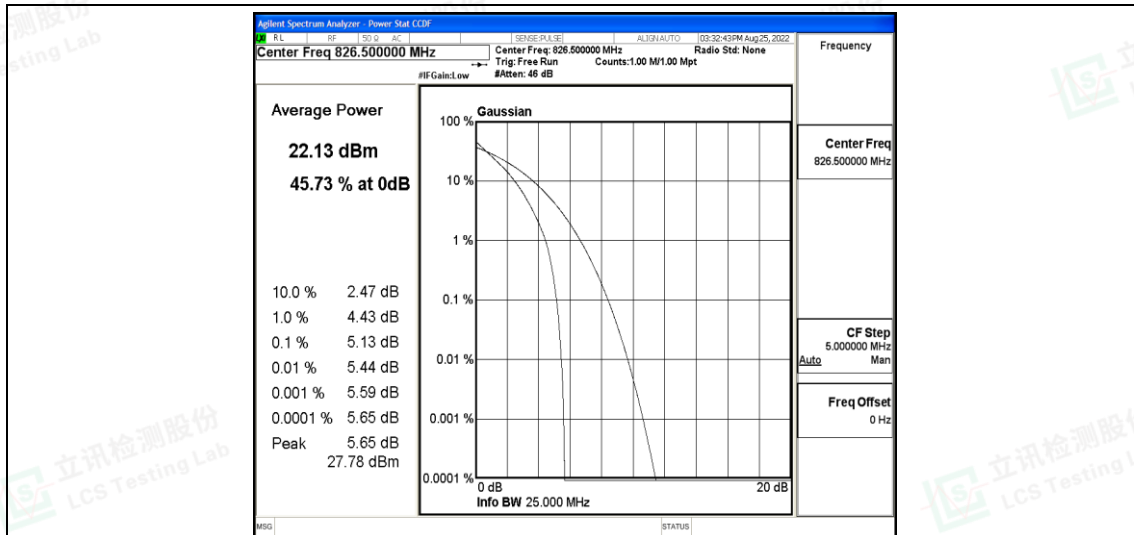


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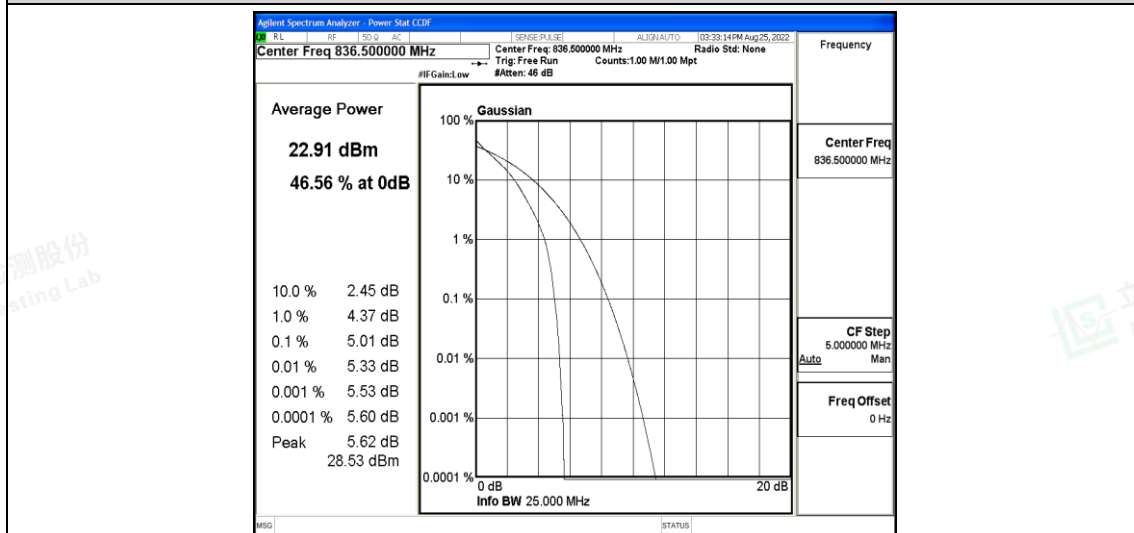
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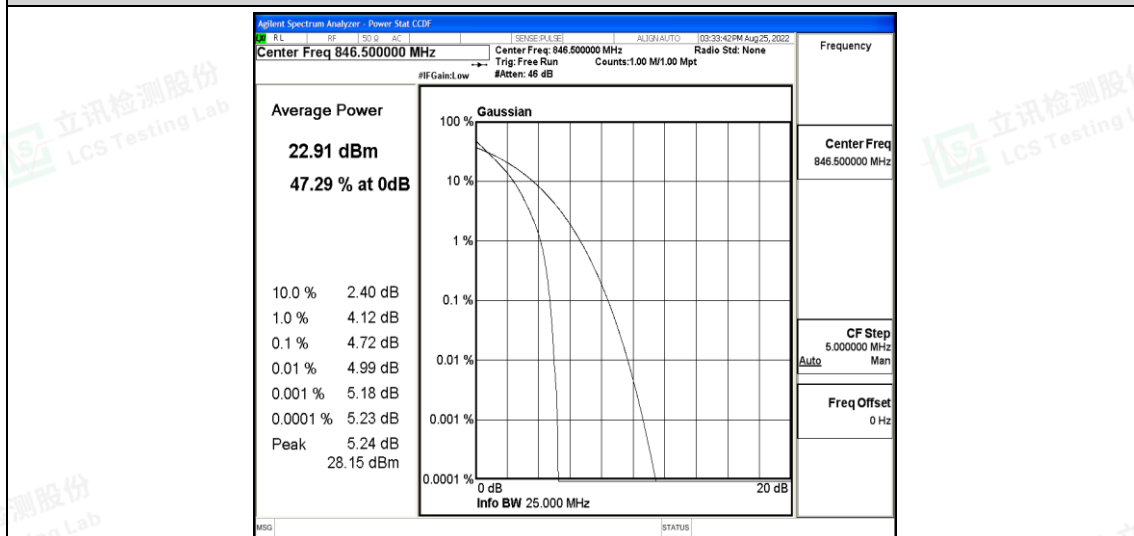
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Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0



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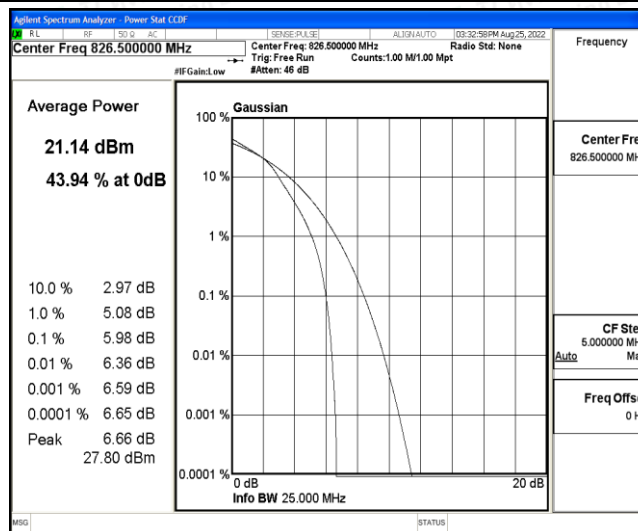
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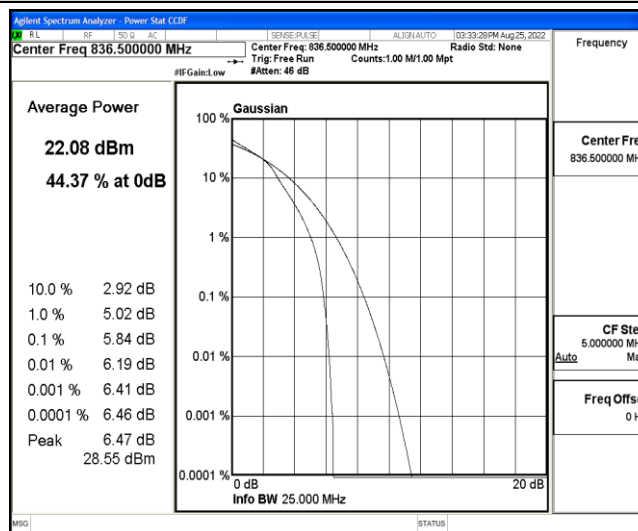
Scan code to check authenticity



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



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



Band5-5MHz-16QAM-20625-25RB#0

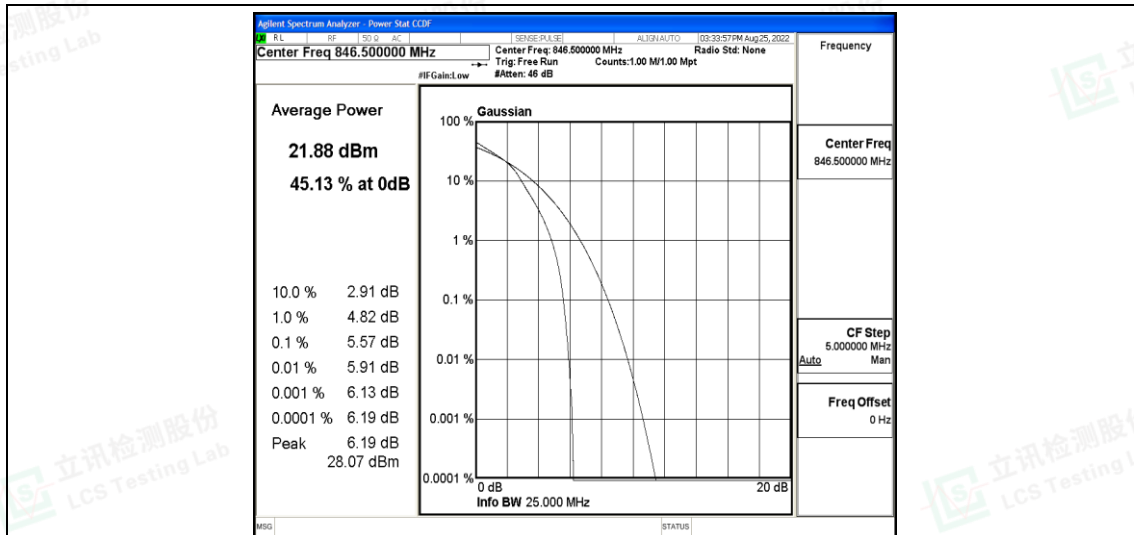


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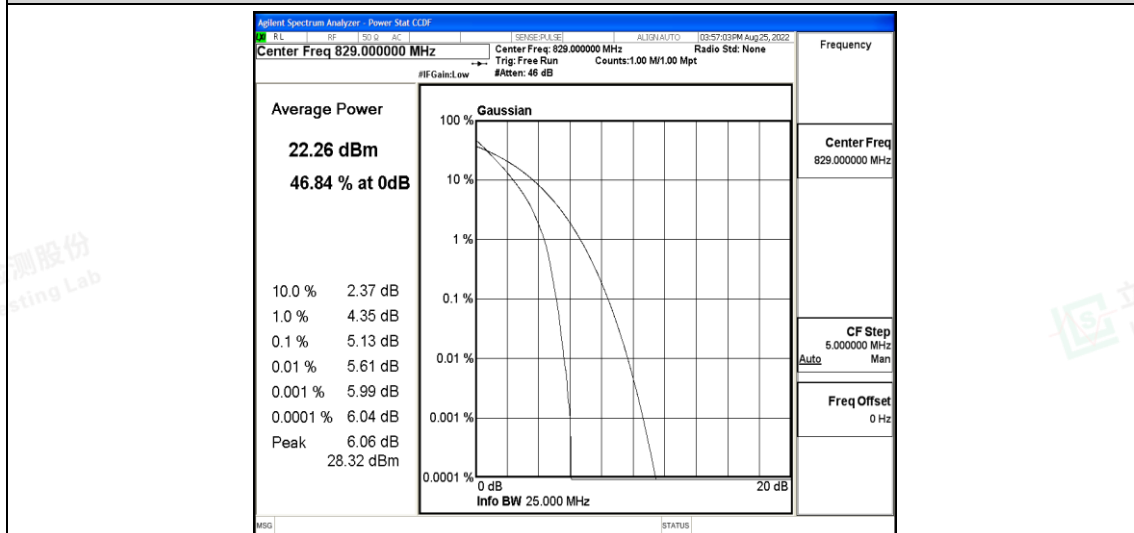
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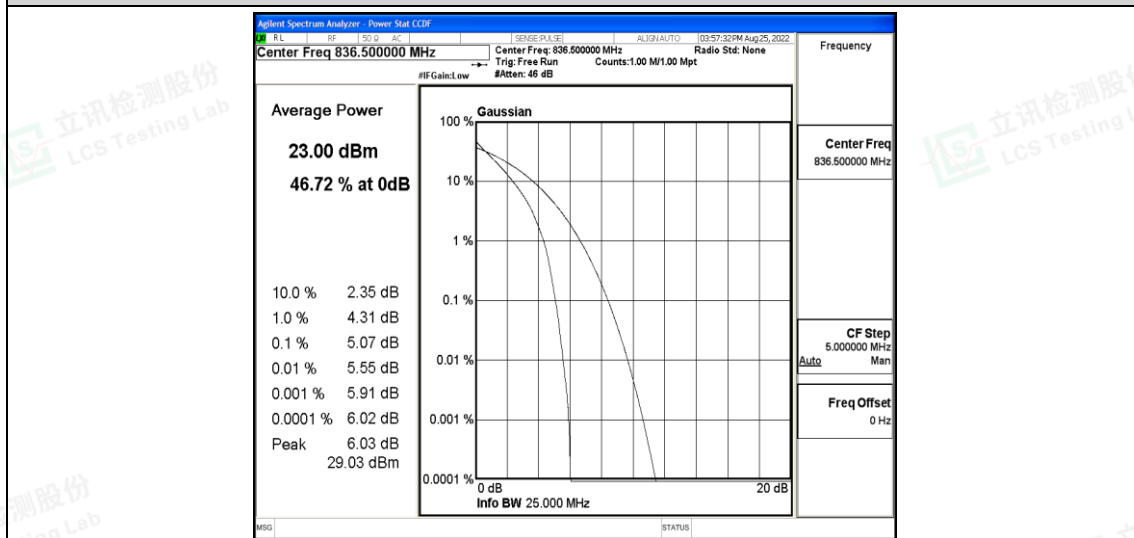
Scan code to check authenticity



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



Band5-10MHz-QPSK-20525-50RB#0



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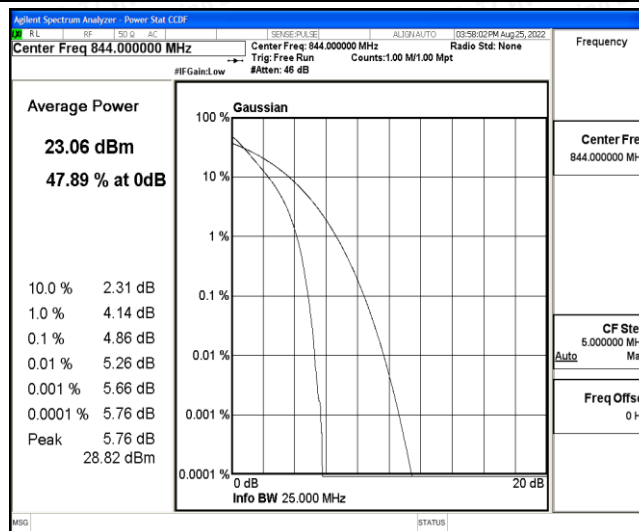
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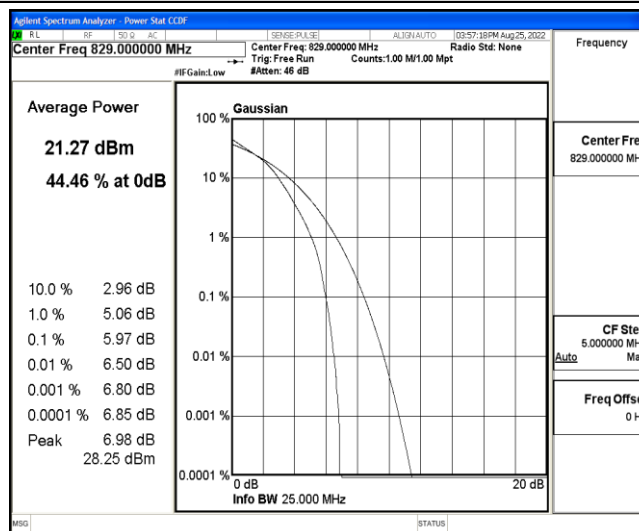
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Band5-10MHz-QPSK-20600-50RB#0



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



Band5-10MHz-16QAM-20525-50RB#0

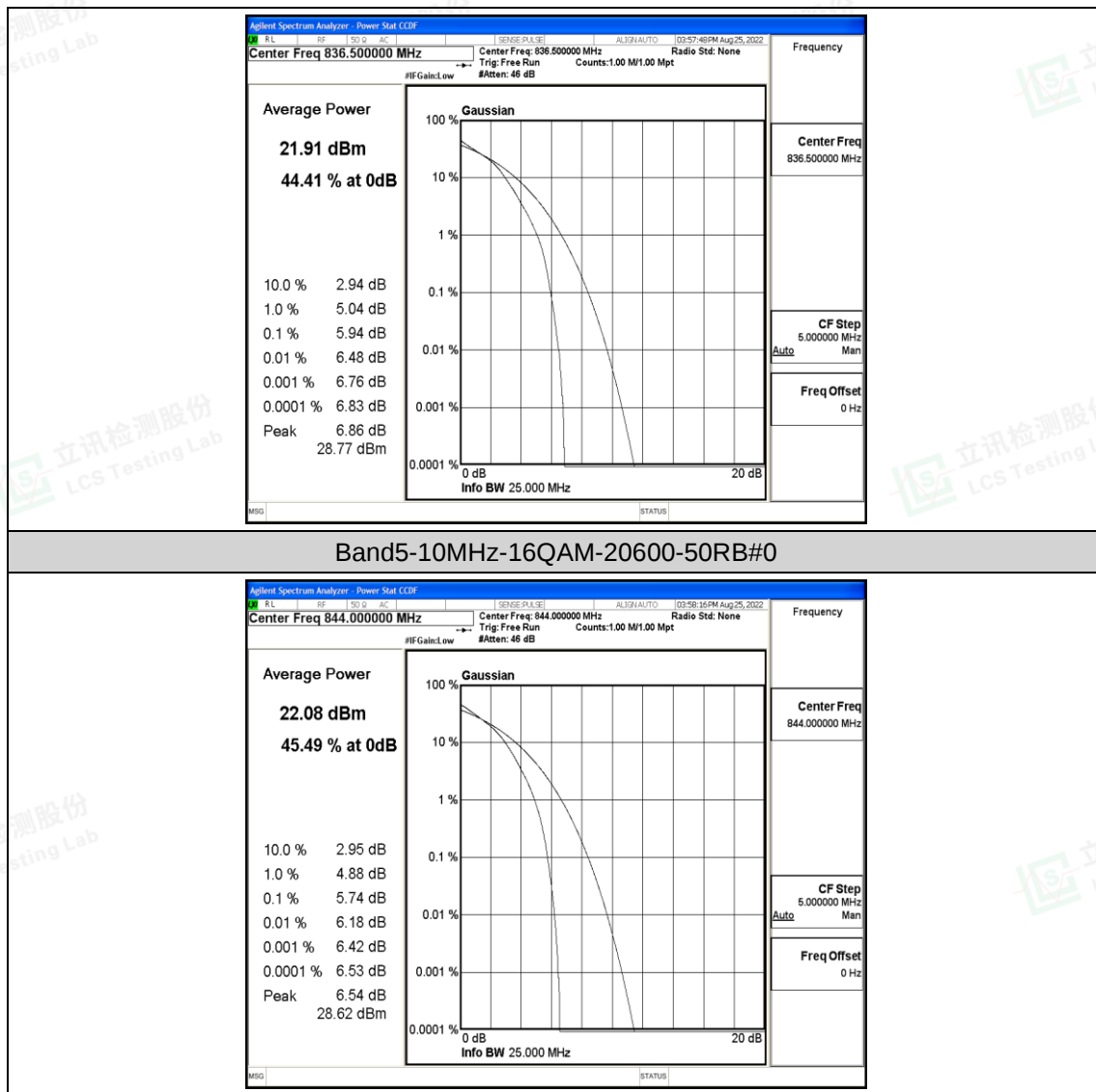


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F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

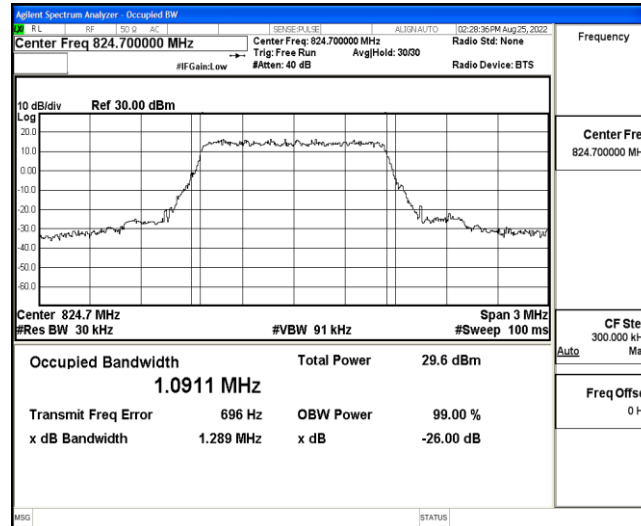
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0911	1.289	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0925	1.279	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0910	1.317	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0908	1.274	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0959	1.283	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0891	1.270	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6980	2.978	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7029	2.965	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7044	2.966	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6880	2.962	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6873	2.968	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6985	2.941	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5093	4.998	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5023	5.013	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4938	4.993	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5043	4.965	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5028	4.935	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5046	5.036	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9780	9.873	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9534	9.898	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9749	9.917	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9510	9.812	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9768	9.883	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9617	9.865	PASS



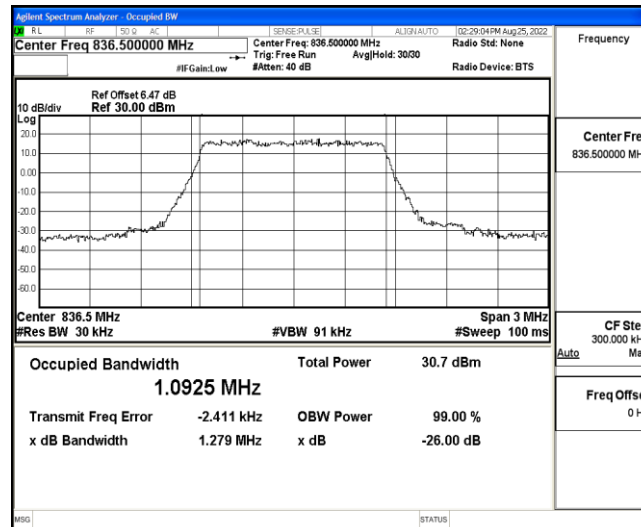


Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



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



Band5-1.4MHz-QPSK-20643-6RB#0

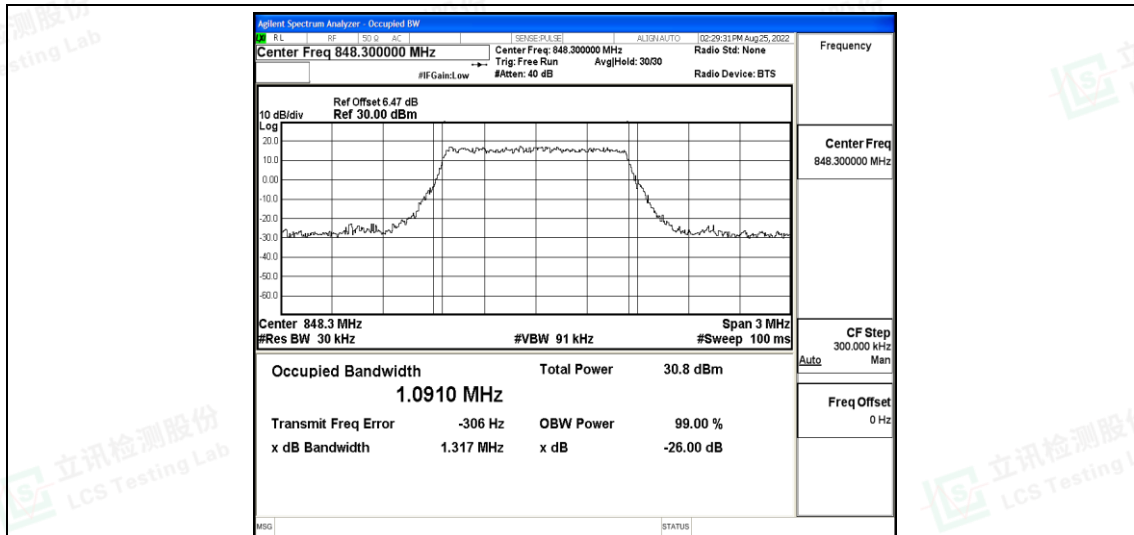


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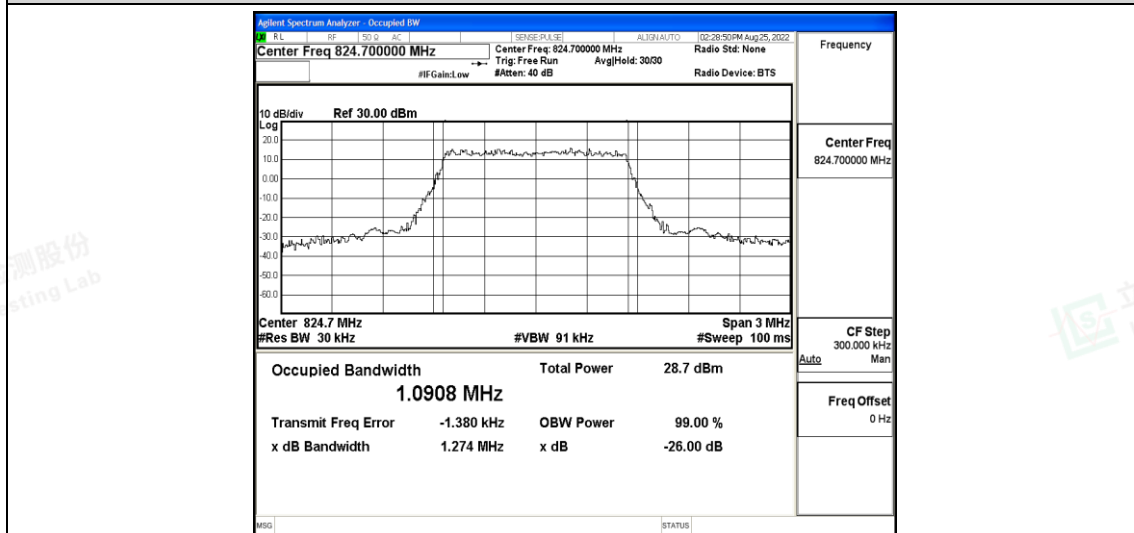
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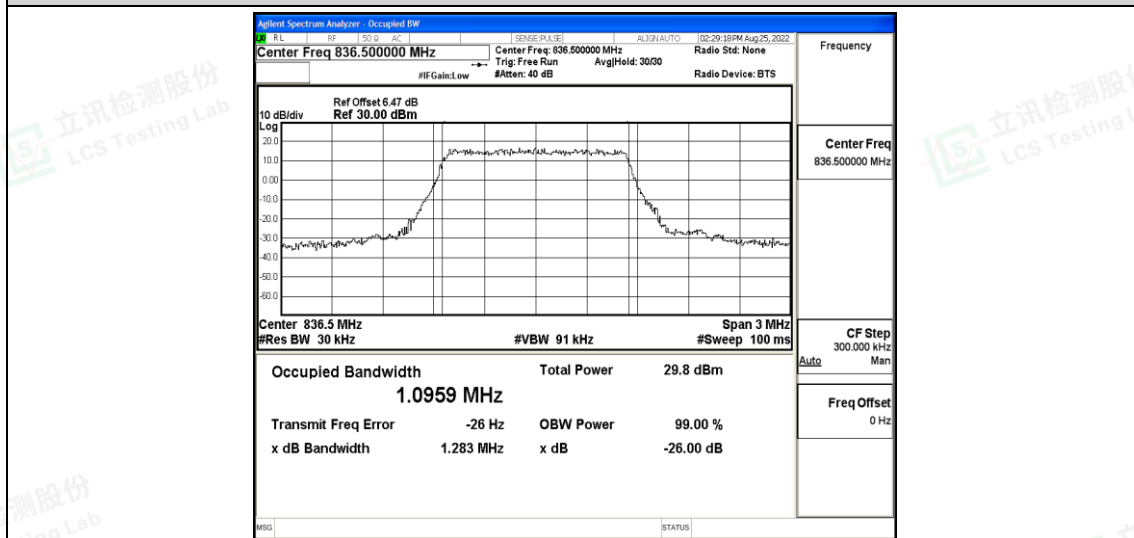
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Band5-1.4MHz-16QAM-20407-6RB#0



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



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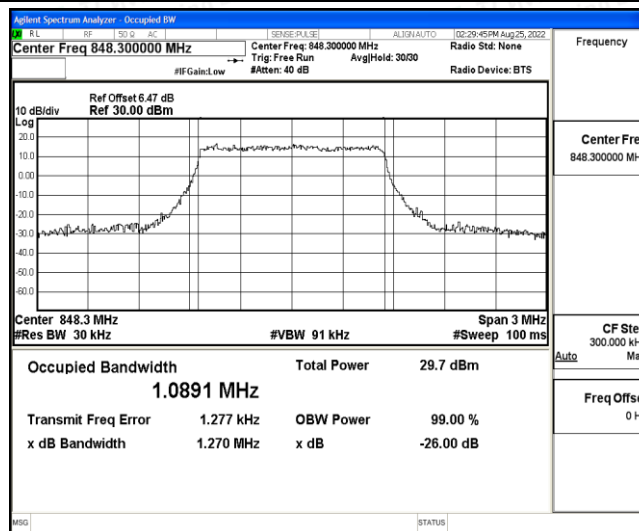
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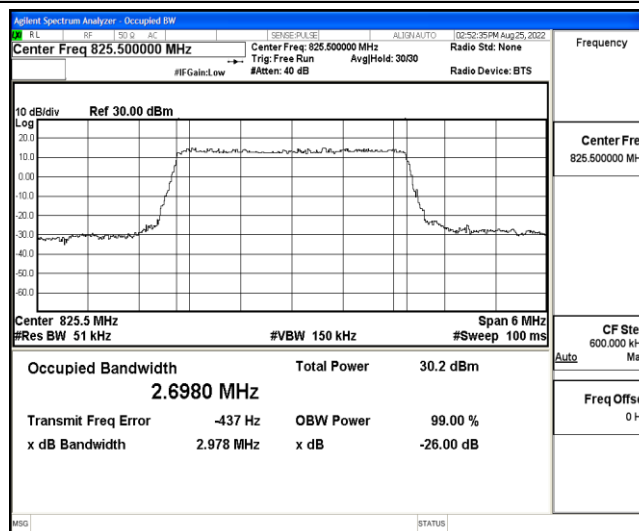
Scan code to check authenticity



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



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



Band5-3MHz-QPSK-20525-15RB#0

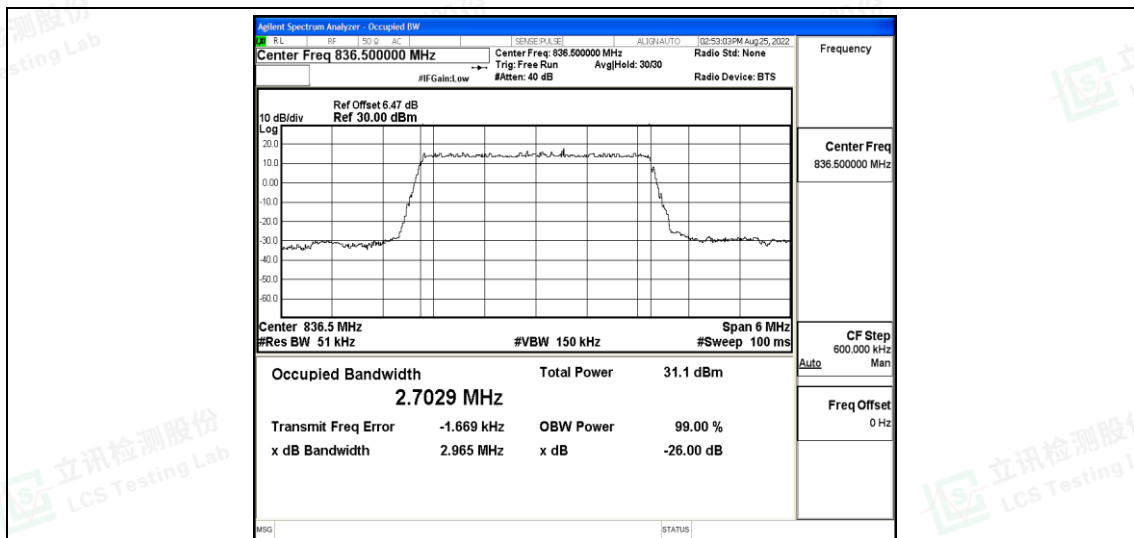


Shenzhen LCS Compliance Testing Laboratory Ltd.

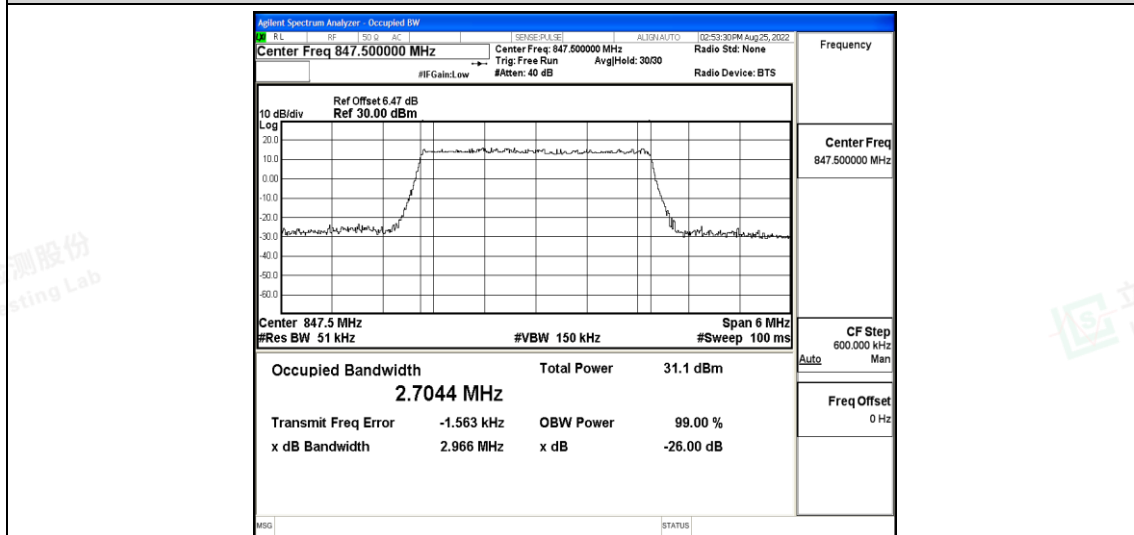
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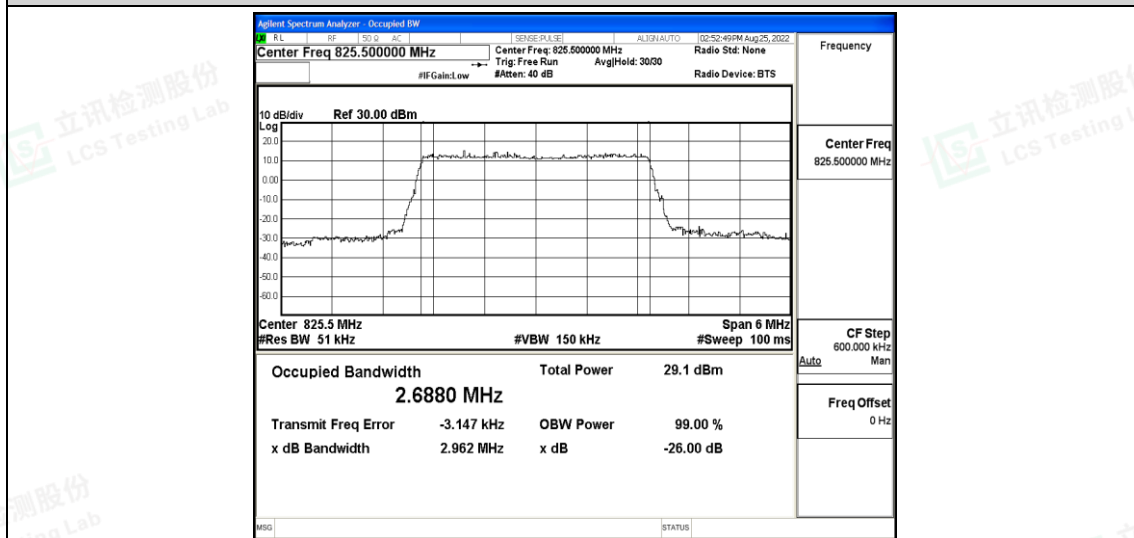
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Band5-3MHz-QPSK-20635-15RB#0



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



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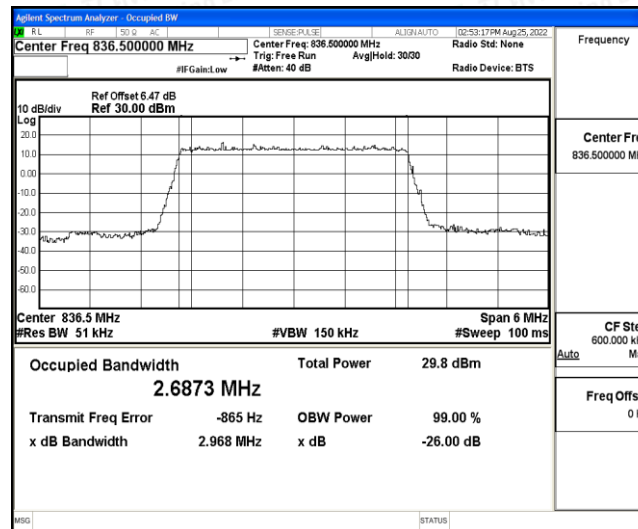
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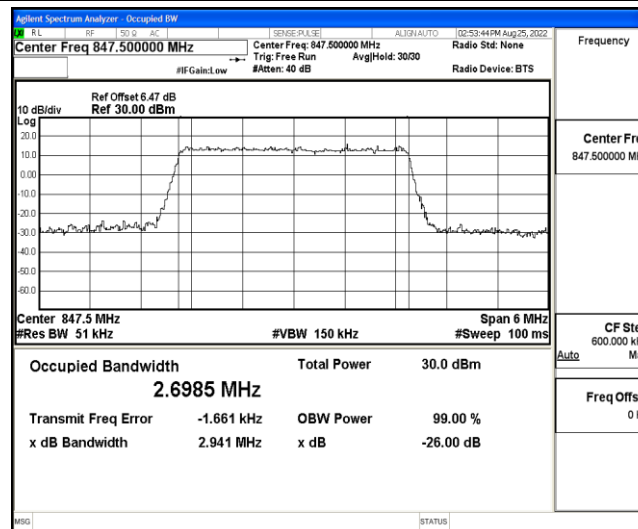
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Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0

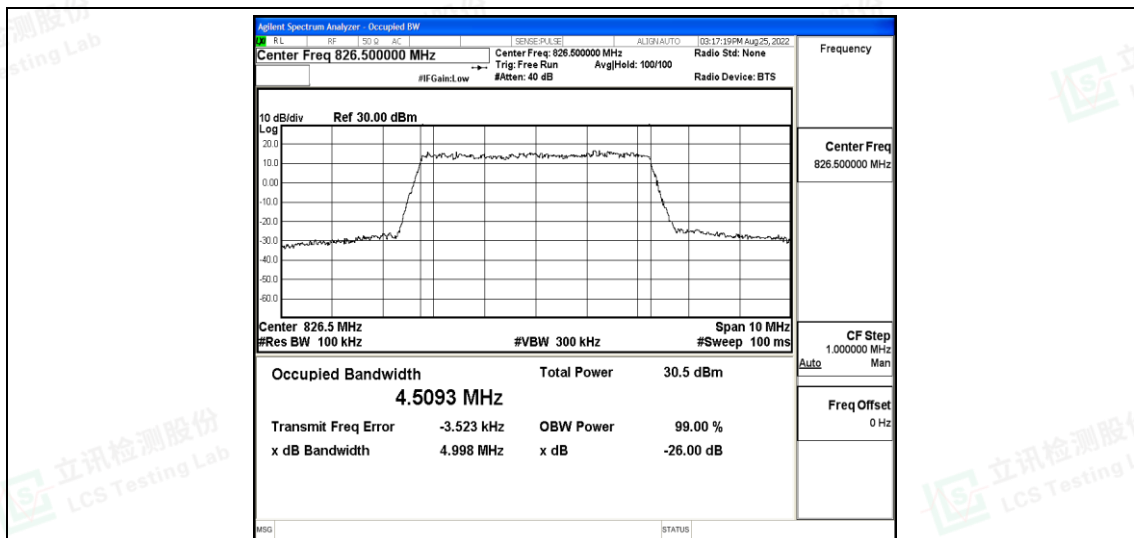


Shenzhen LCS Compliance Testing Laboratory Ltd.

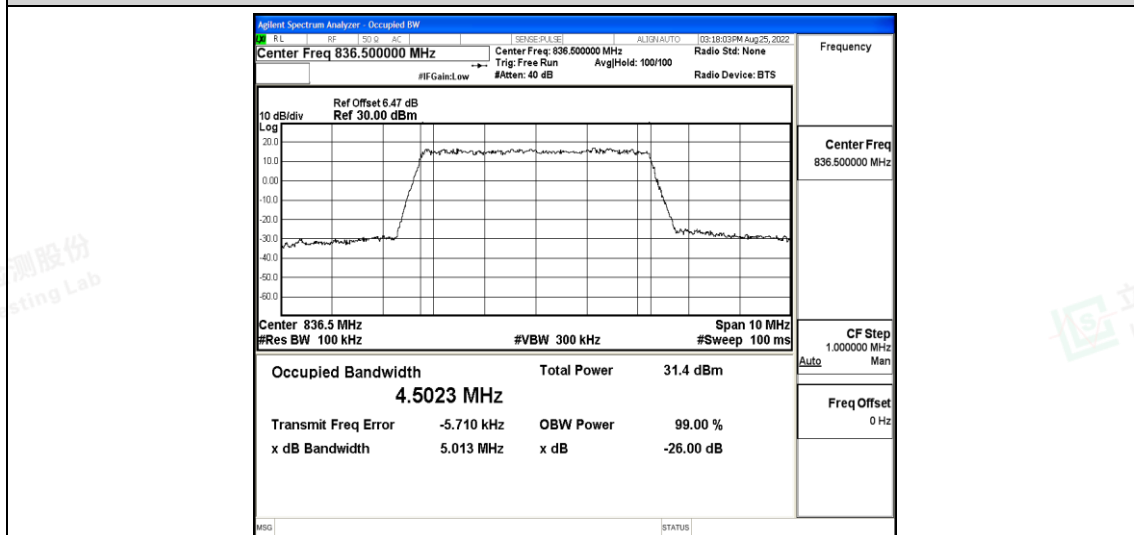
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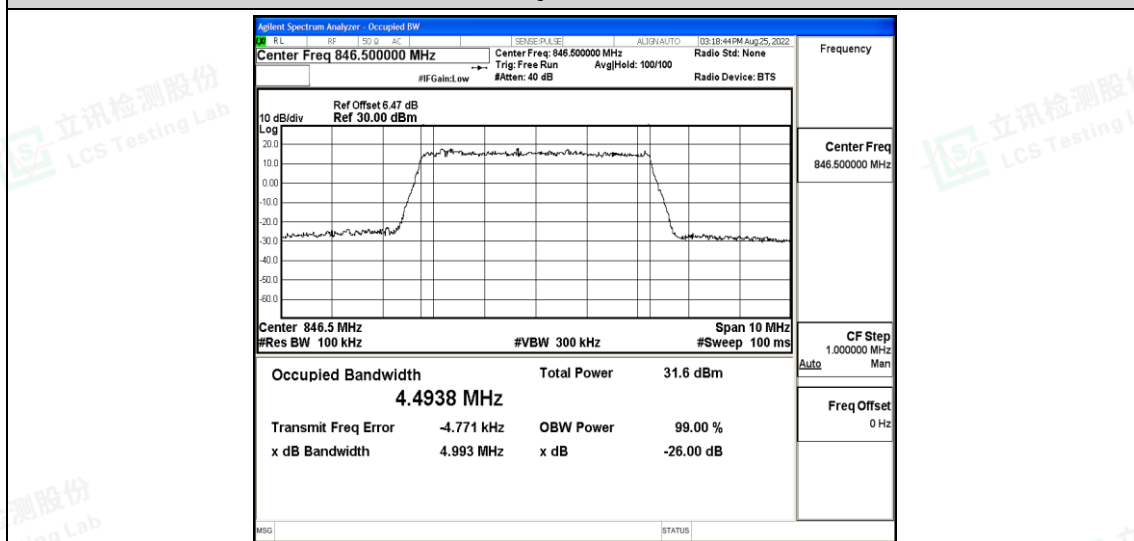
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Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0



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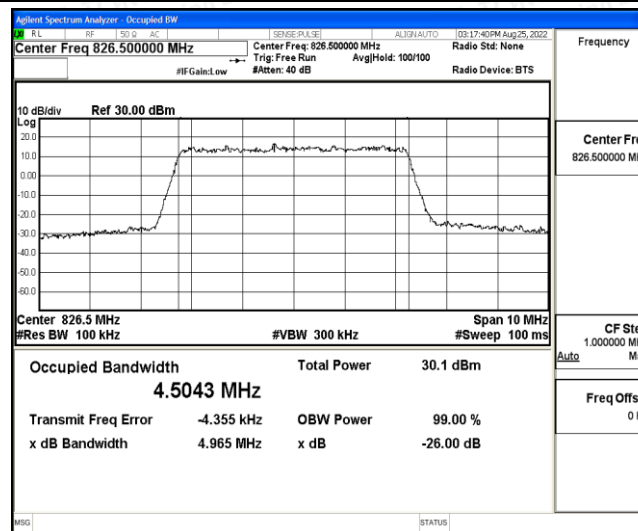
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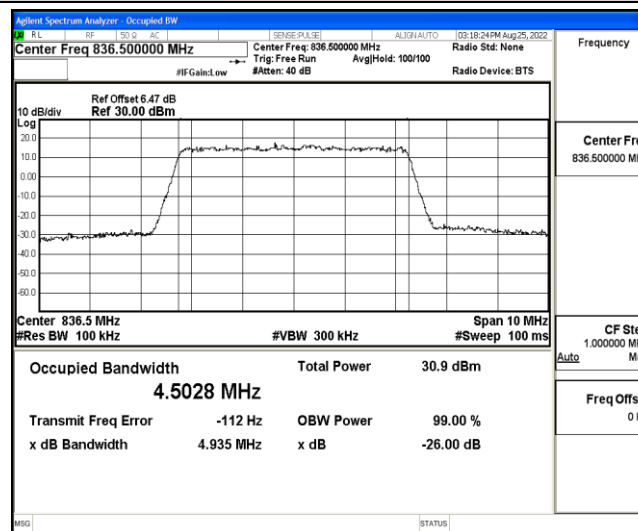
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Band5-5MHz-16QAM-20425-25RB#0



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



Band5-5MHz-16QAM-20625-25RB#0

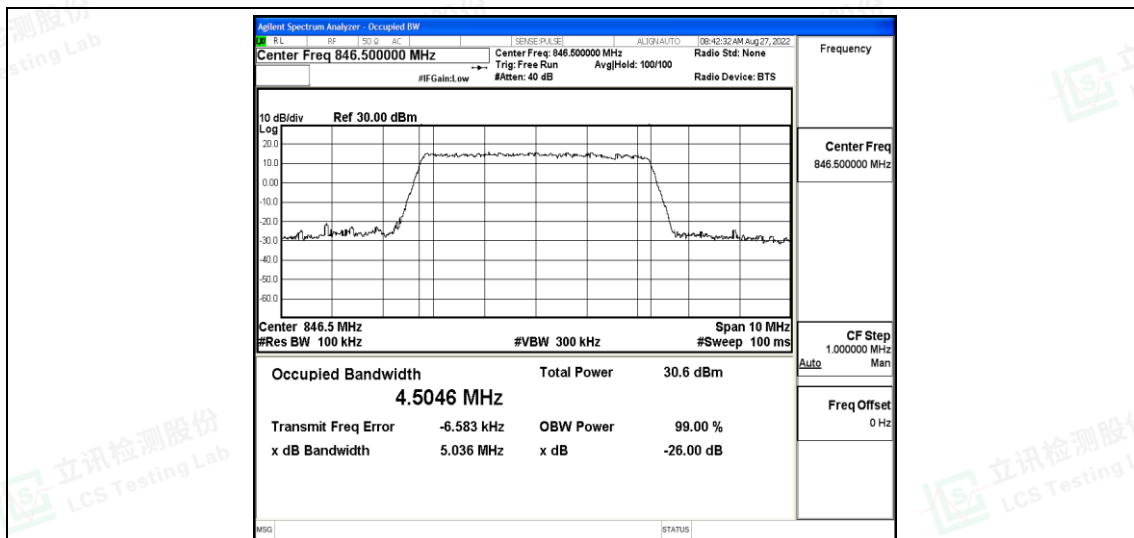


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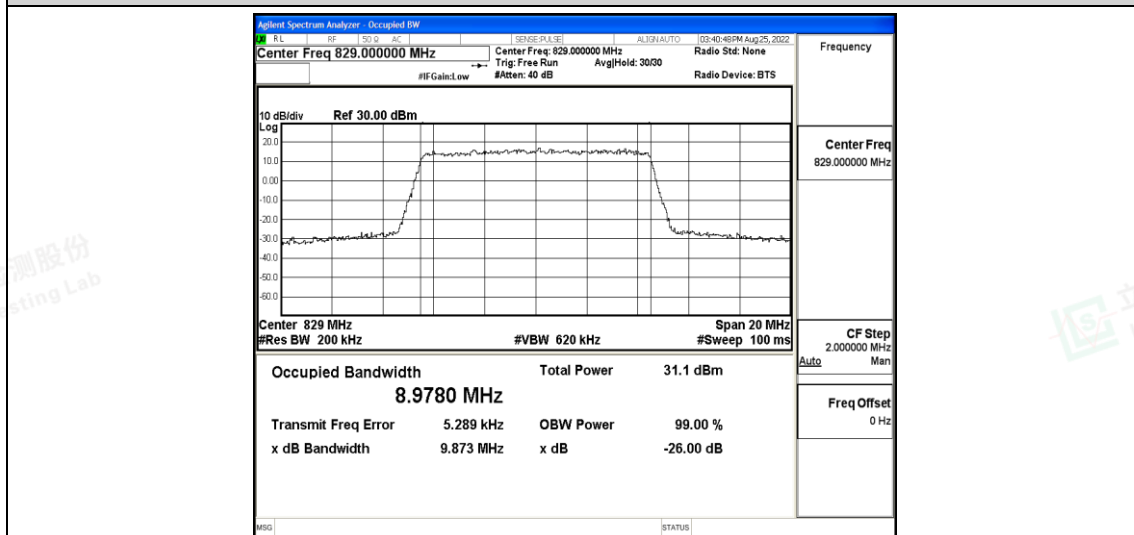
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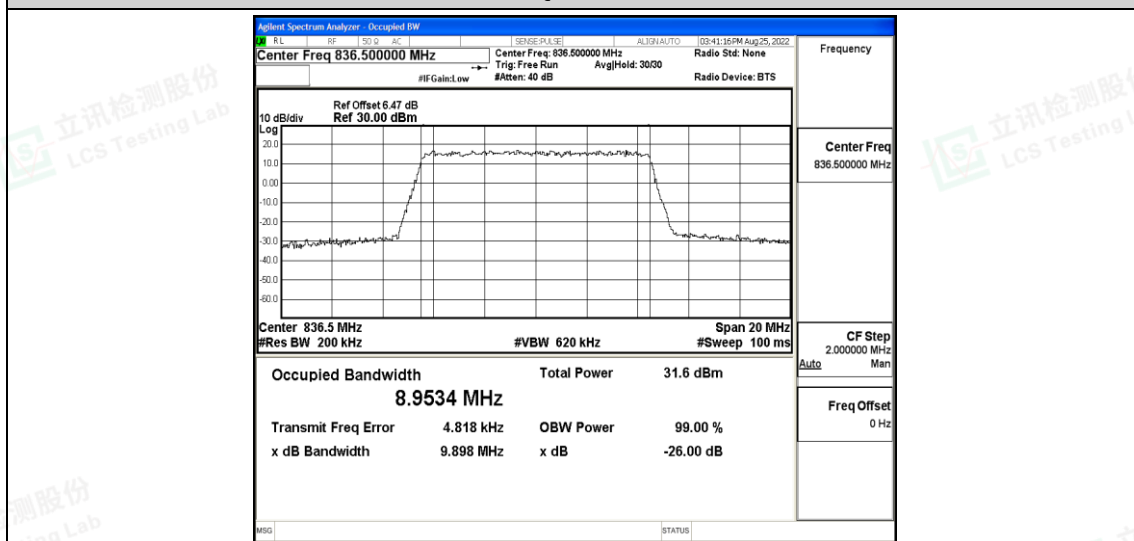
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Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



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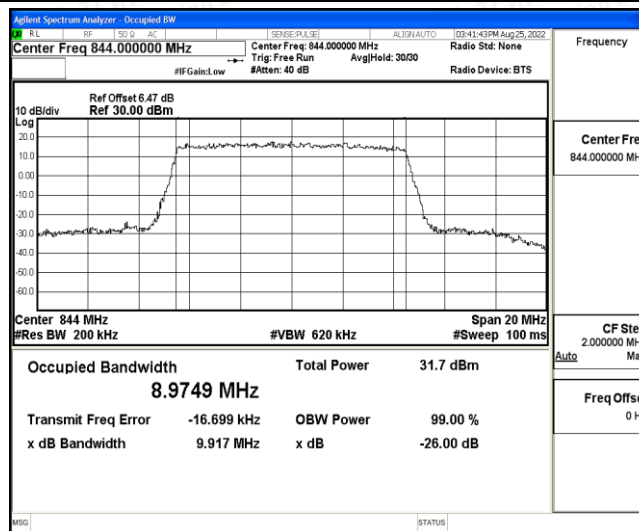
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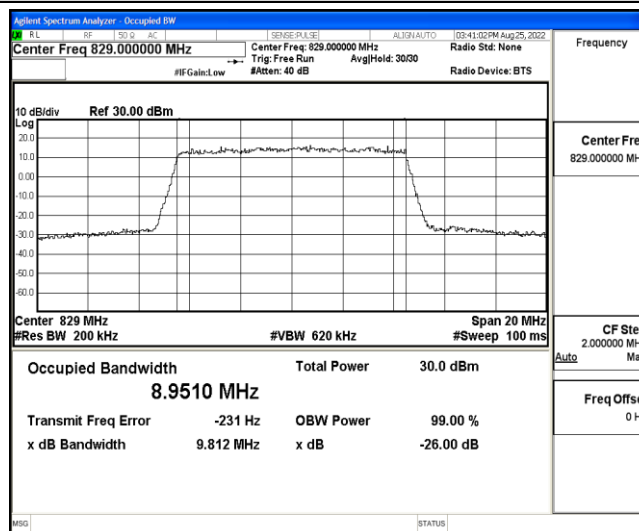
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Band5-10MHz-QPSK-20600-50RB#0



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



Band5-10MHz-16QAM-20525-50RB#0

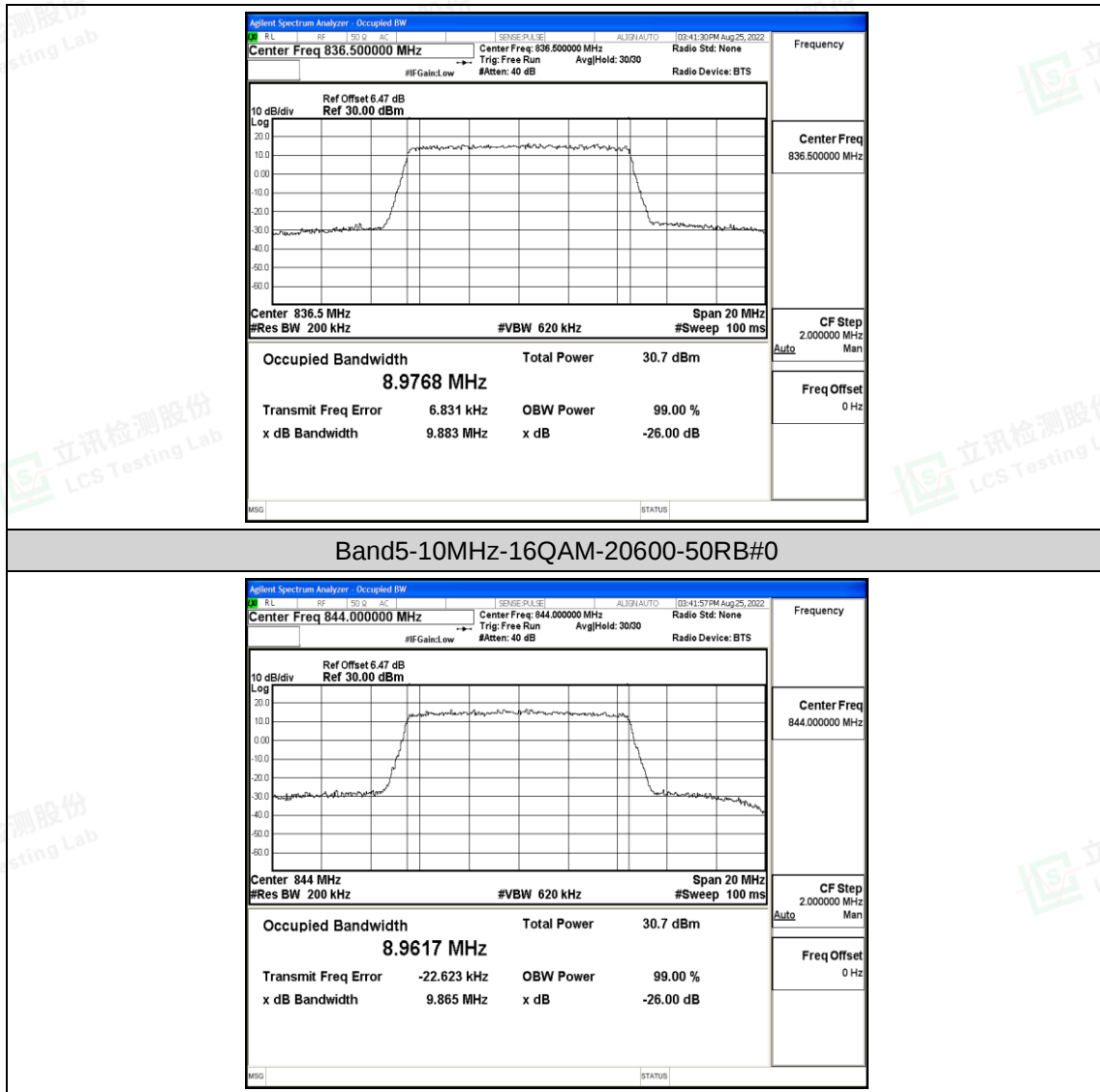


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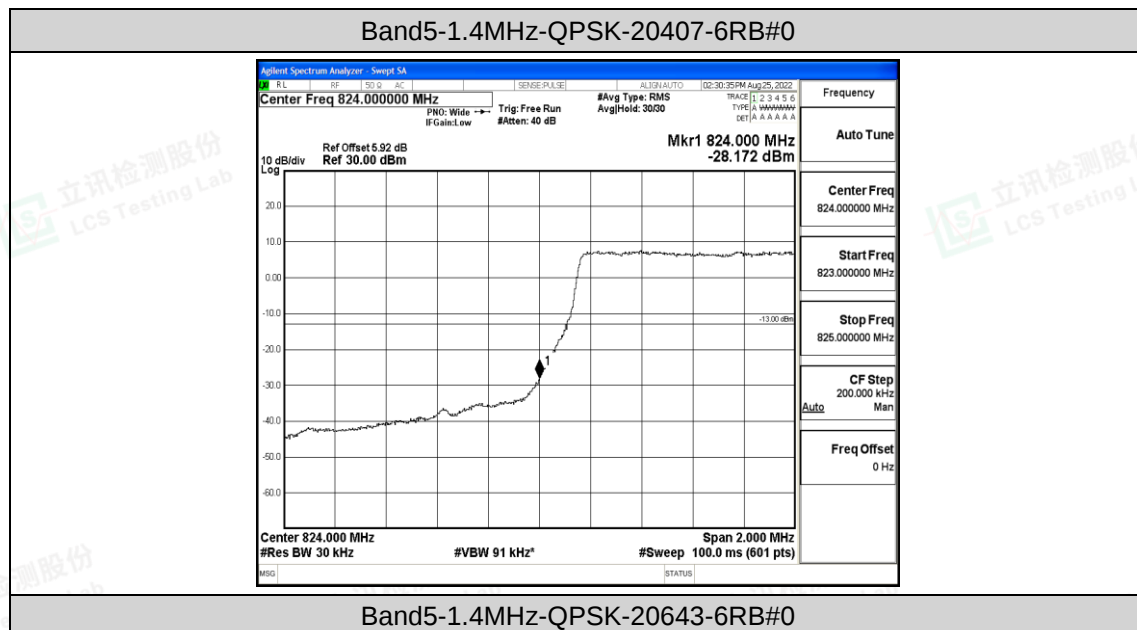


F.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-28.17	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-27.50	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-28.95	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-28.27	PASS
Band5	3MHz	QPSK	20415	15RB#0	-25.10	PASS
Band5	3MHz	QPSK	20635	15RB#0	-25.89	PASS
Band5	3MHz	16QAM	20415	15RB#0	-27.23	PASS
Band5	3MHz	16QAM	20635	15RB#0	-27.08	PASS
Band5	5MHz	QPSK	20425	25RB#0	-26.13	PASS
Band5	5MHz	QPSK	20625	25RB#0	-25.54	PASS
Band5	5MHz	16QAM	20425	25RB#0	-26.81	PASS
Band5	5MHz	16QAM	20625	25RB#0	-25.96	PASS
Band5	10MHz	QPSK	20450	50RB#0	-29.14	PASS
Band5	10MHz	QPSK	20600	50RB#0	-29.71	PASS
Band5	10MHz	16QAM	20450	50RB#0	-31.04	PASS
Band5	10MHz	16QAM	20600	50RB#0	-29.86	PASS

Test Graphs

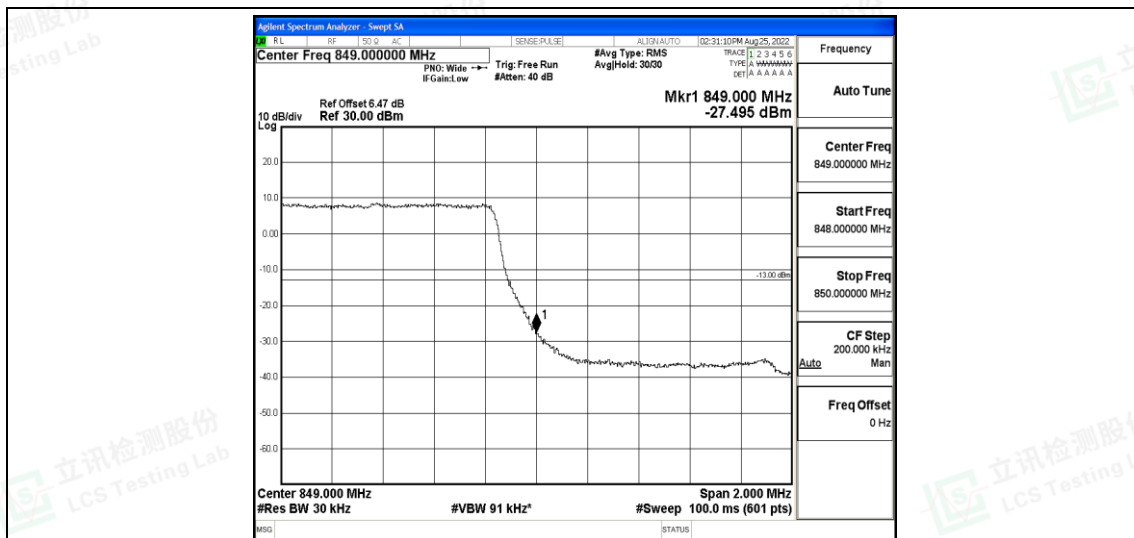


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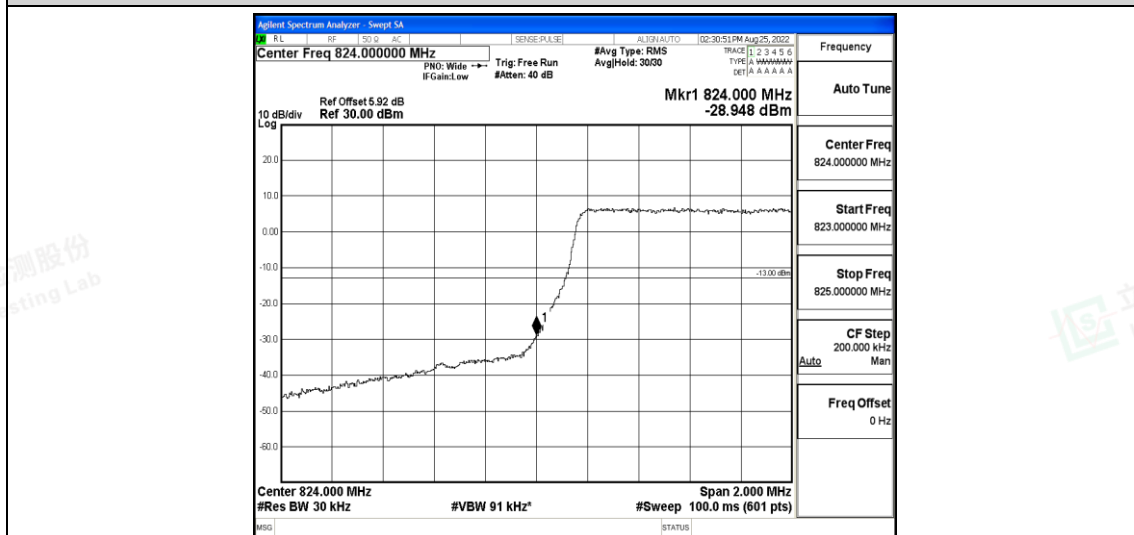
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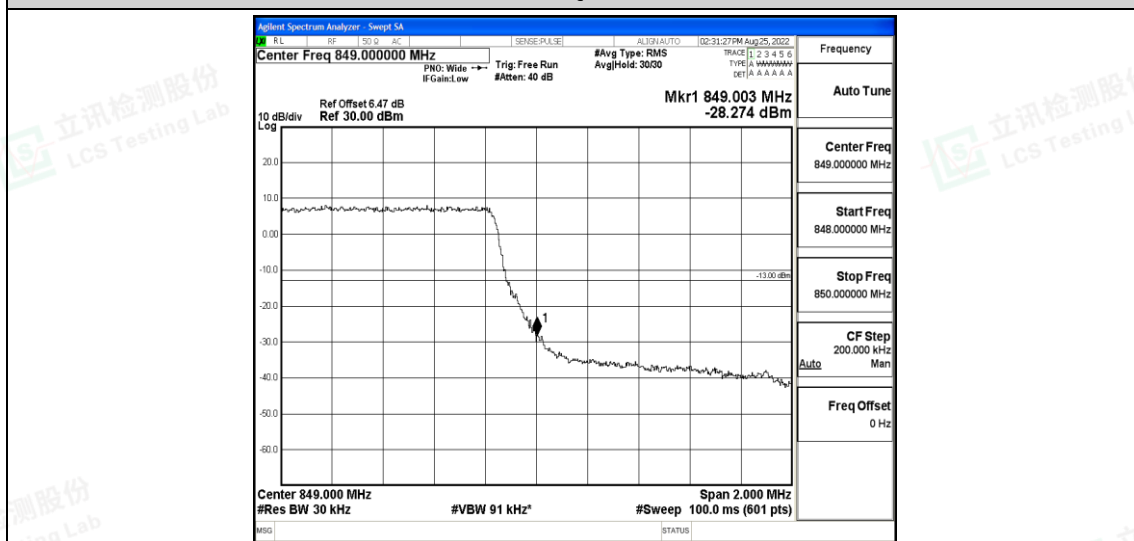
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Band5-1.4MHz-16QAM-20407-6RB#0



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



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