



Appendix D: Test Data for E-UTRA Band 5

Product Name: GNSS Receiver

Test Model: A100 Pro

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 Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.44	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	24.39	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	24.41	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	24.42	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.44	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	24.43	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.41	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	24.43	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.48	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	24.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	24.43	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	24.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.51	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.29	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.58	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.32	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.58	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.27	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.69	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.45	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.68	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.4	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.69	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.4	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.76	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.68	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.5	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.37	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.55	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.52	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.33	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.65	PASS



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Band5	1.4MHz	16QAM	20643	3RB#0	23.39	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.65	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.42	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.61	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.38	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.77	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.69	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.15	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.14	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.37	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.35	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.21	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.2	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.46	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.39	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.44	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.44	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.42	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.37	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.47	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.4	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.16	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.56	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.3	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.46	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.23	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.57	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.51	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.58	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.54	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.54	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.55	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.58	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.48	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.3	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.08	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.49	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.25	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.38	PASS



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Band5	3MHz	16QAM	20635	1RB#14	23.05	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.61	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.51	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.6	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.58	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.56	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.51	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.54	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.39	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.57	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.48	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.71	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.6	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.59	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.48	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.51	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.48	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.47	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.44	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.61	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.52	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.54	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.56	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.66	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.65	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.83	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.84	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.75	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.81	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.71	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.68	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.66	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.68	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.72	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.73	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.77	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.76	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.73	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.59	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.84	PASS



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Band5	5MHz	16QAM	20625	1RB#12	23.73	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.69	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.57	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.65	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.73	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.71	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.68	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.66	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.64	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.7	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.74	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.55	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.44	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.46	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.48	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.41	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.44	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.32	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.36	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.42	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.28	PASS
Band5	10MHz	QPSK	20450	25RB#25	22.34	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.31	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.44	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.31	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.46	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.24	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.55	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.35	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.5	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.31	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.4	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.32	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.33	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.36	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.43	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.4	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.38	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.41	PASS



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Band5	10MHz	16QAM	20600	1RB#0	22.16	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.61	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.4	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.63	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.37	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.45	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.52	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.45	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.53	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.44	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.51	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.5	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.47	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	4.60	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.50	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.37	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.21	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.33	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.44	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.23	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.05	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.90	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.07	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.06	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.89	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.72	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.65	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.31	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.16	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.39	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.34	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.28	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.14	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.34	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.01	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.93	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.68	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.38	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.51	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.20	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.24	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.03	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.48	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.17	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.44	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.26	13	PASS



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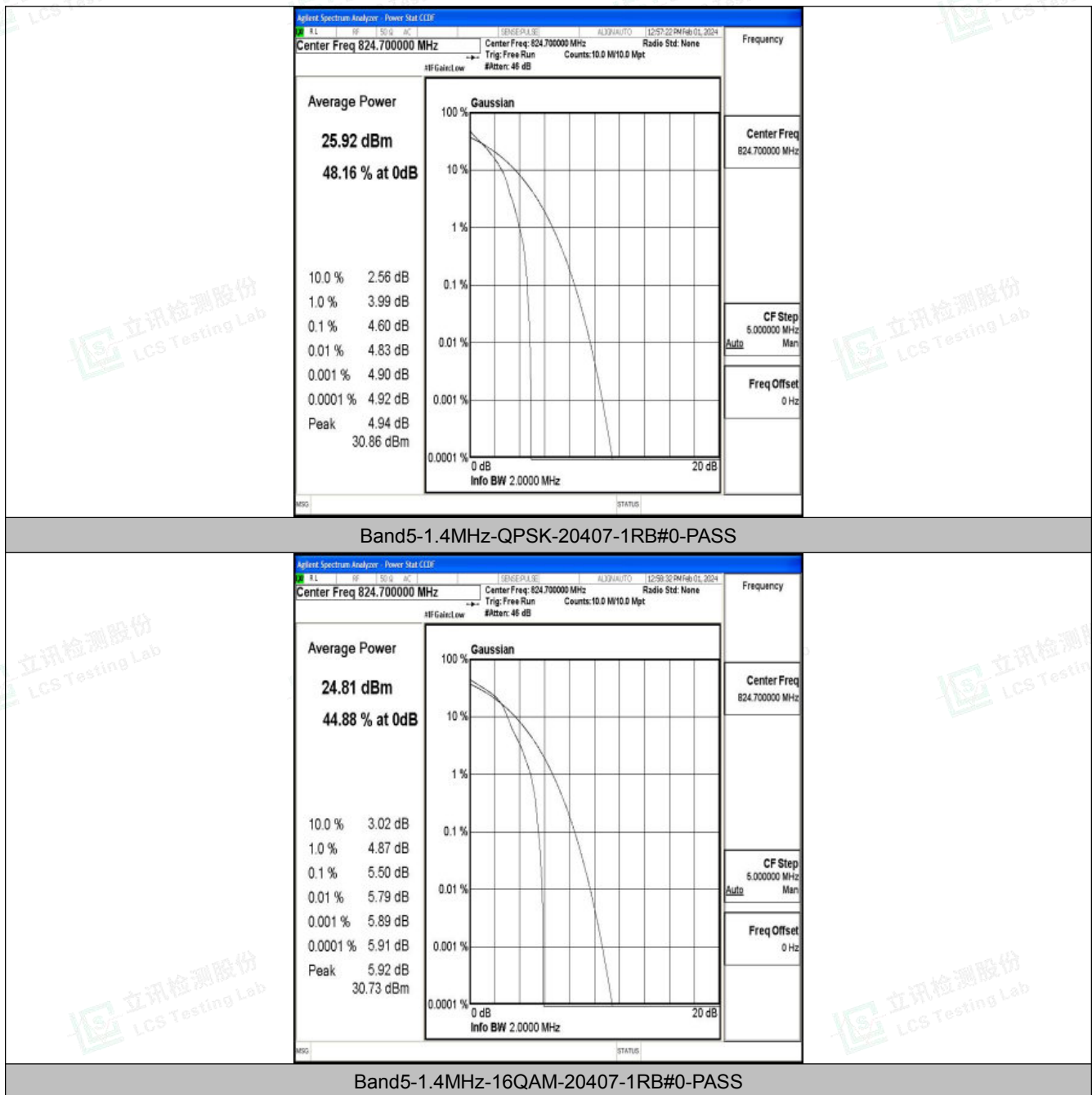


Band5	5MHz	QPSK	20625	25RB#0	5.39	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.14	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.54	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.46	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.39	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.17	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.16	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.14	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.42	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.23	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.55	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.69	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.42	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.25	13	PASS





Test Graphs

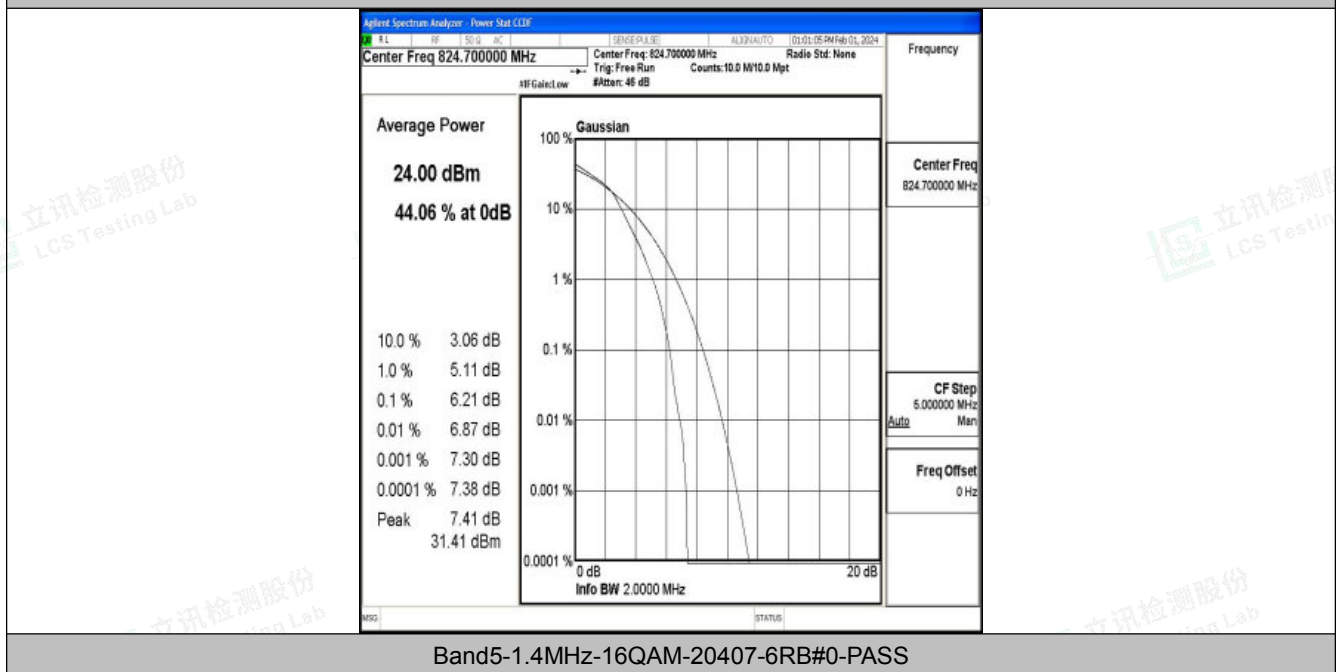
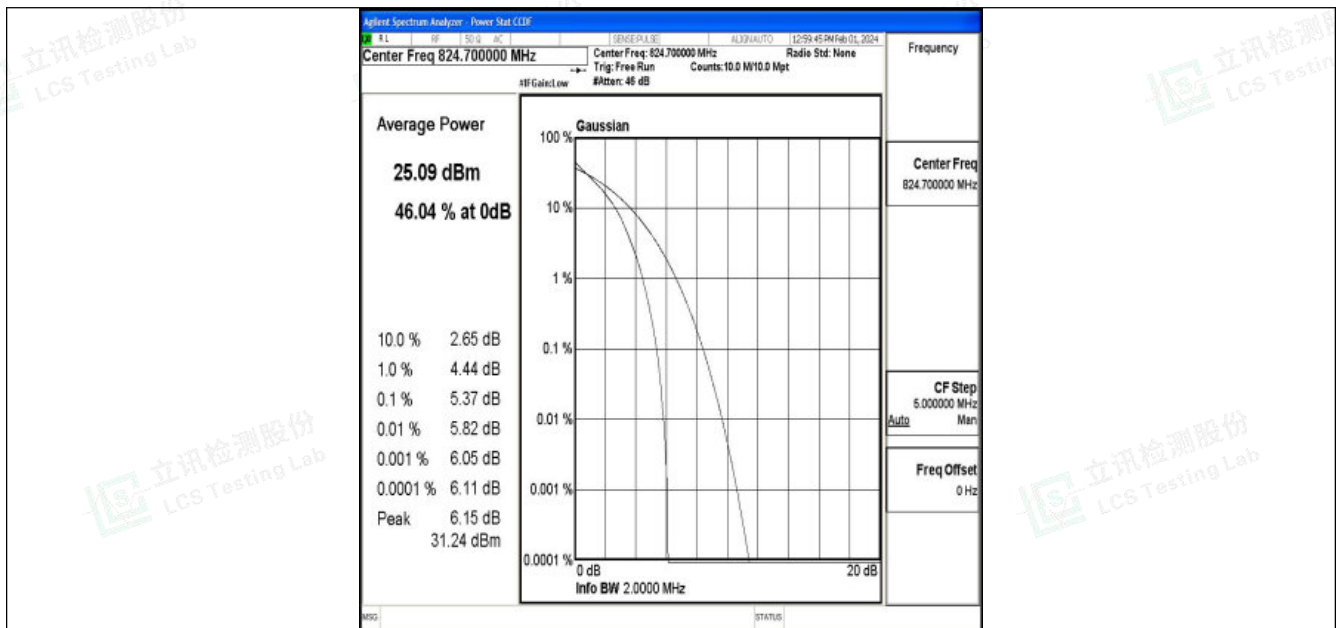


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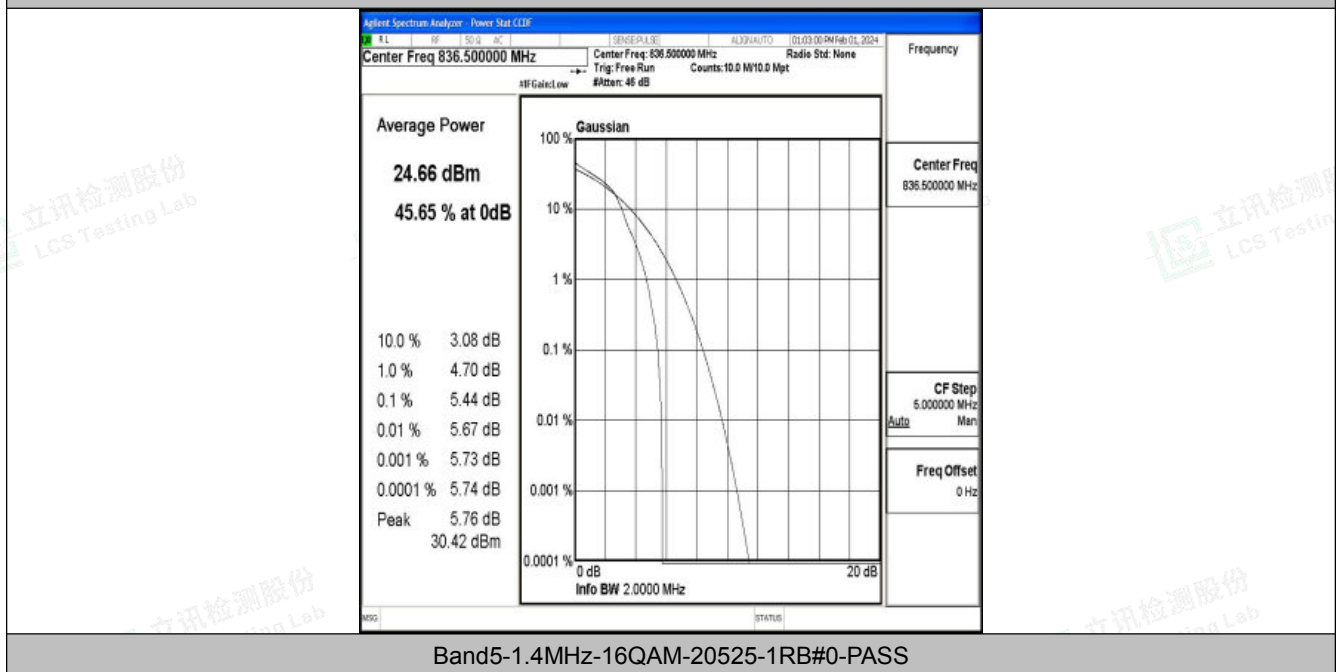
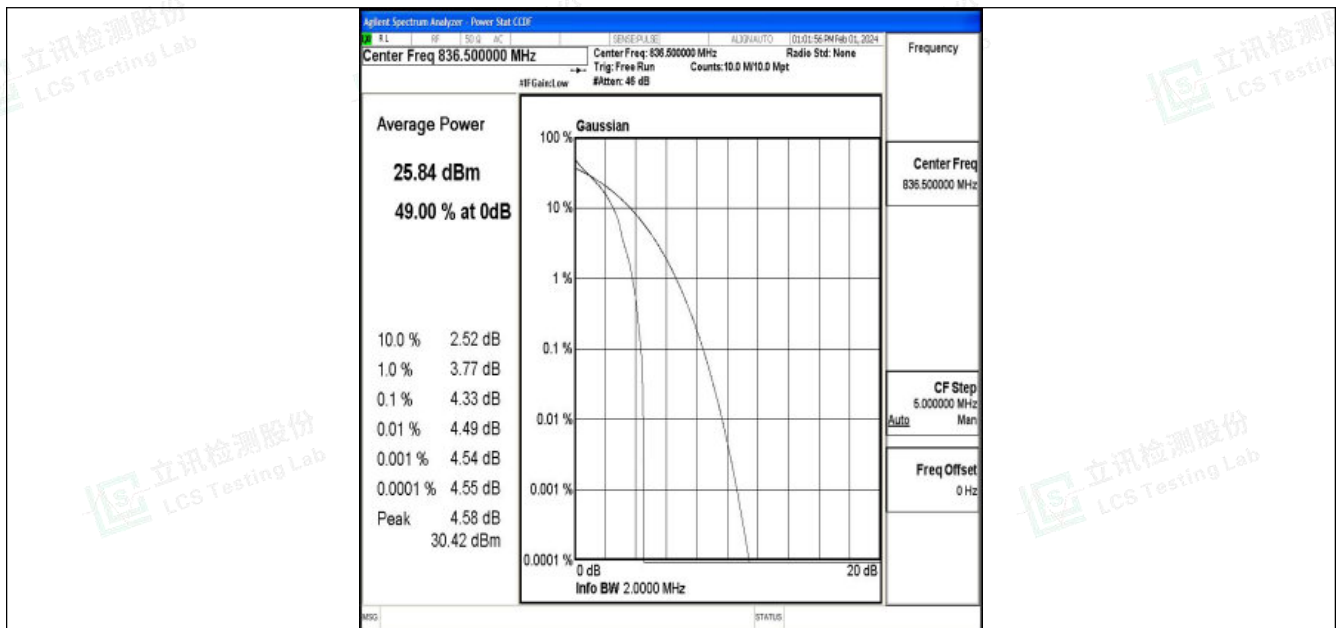


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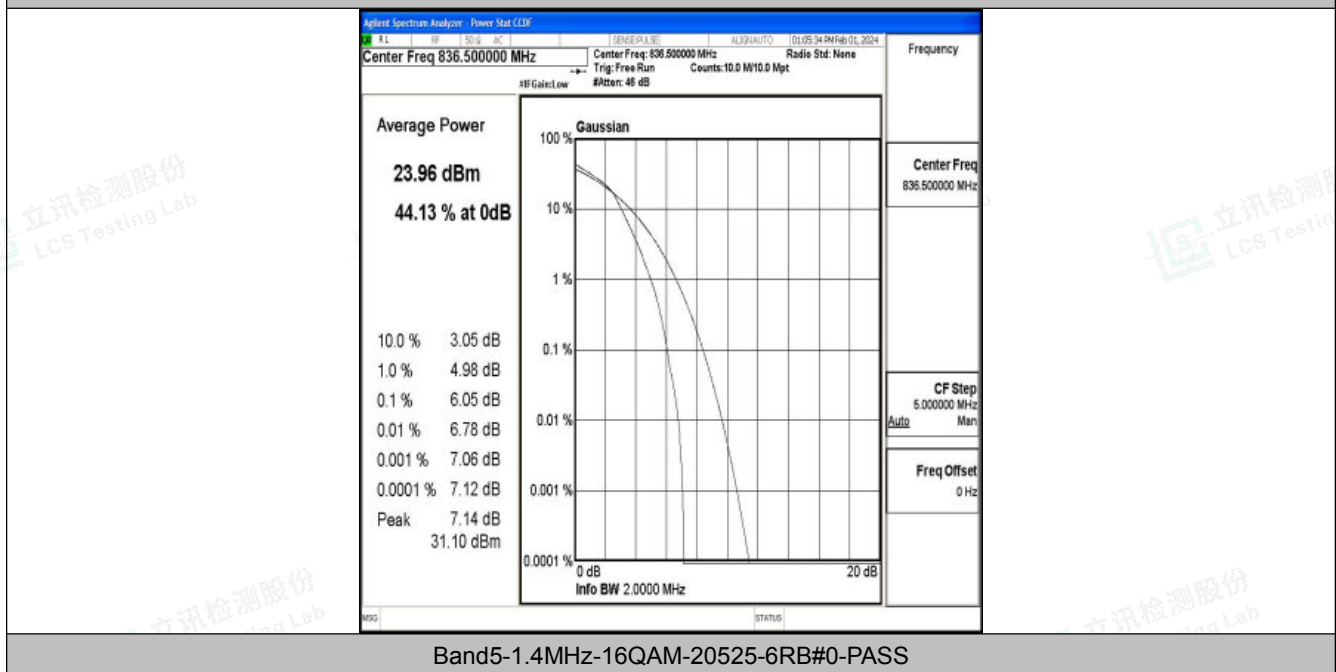
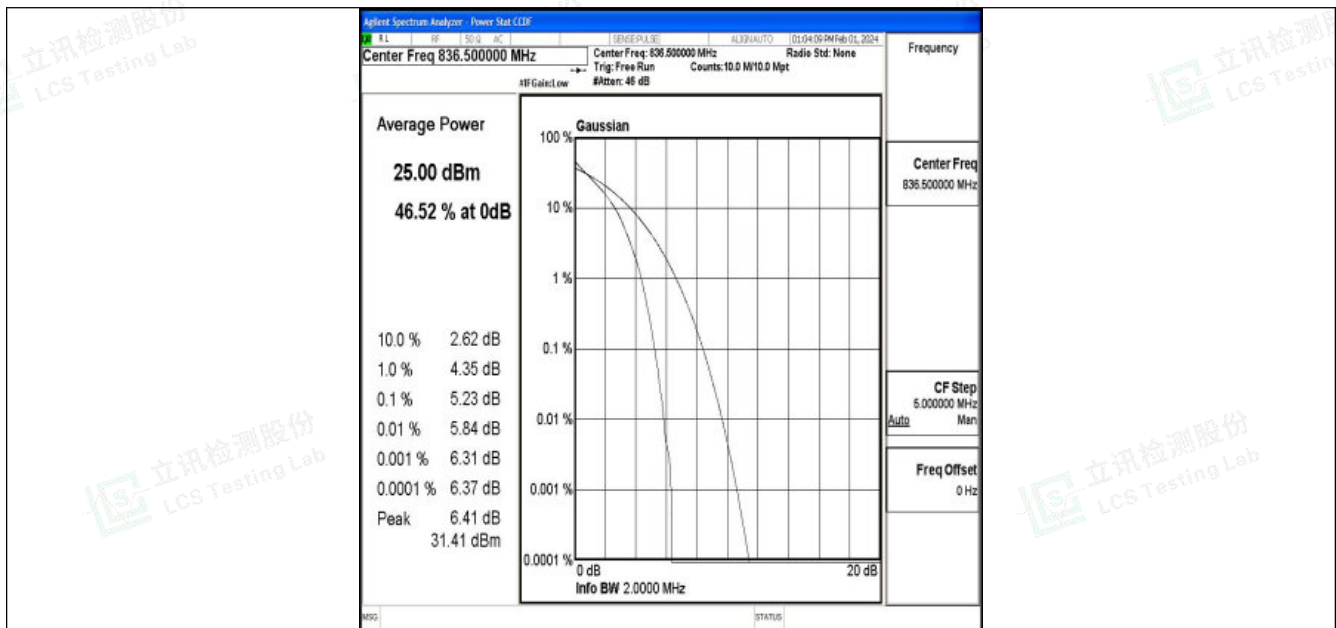


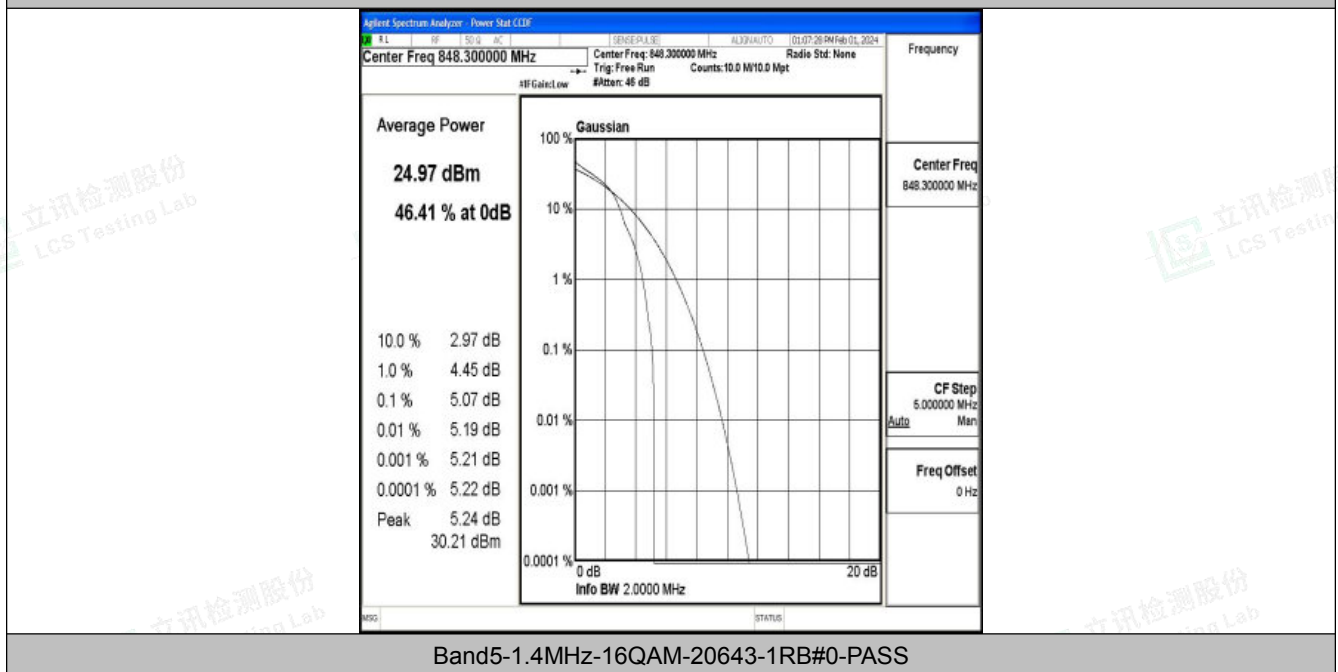
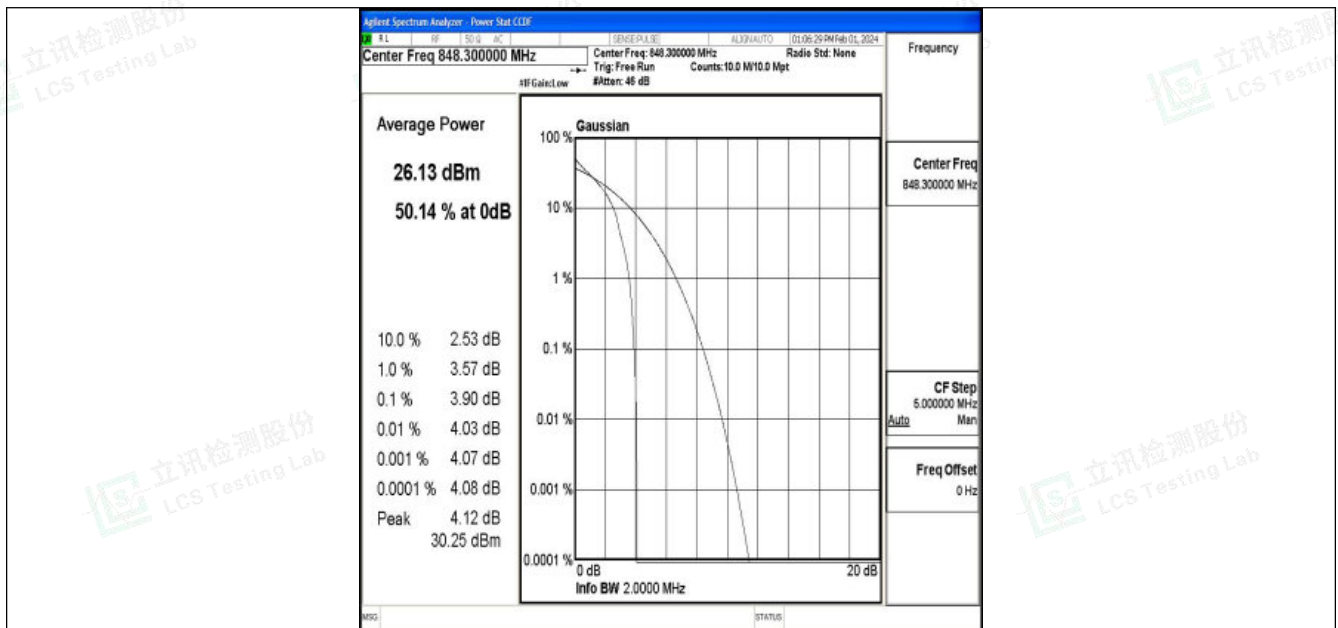
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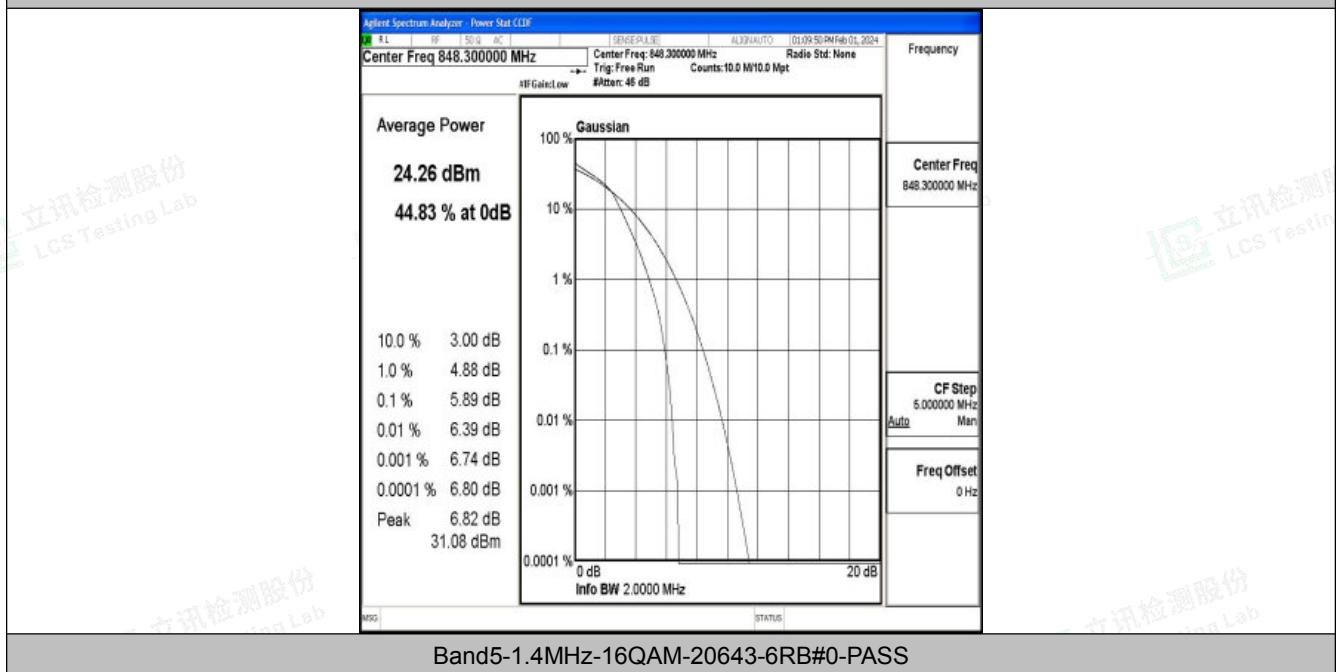
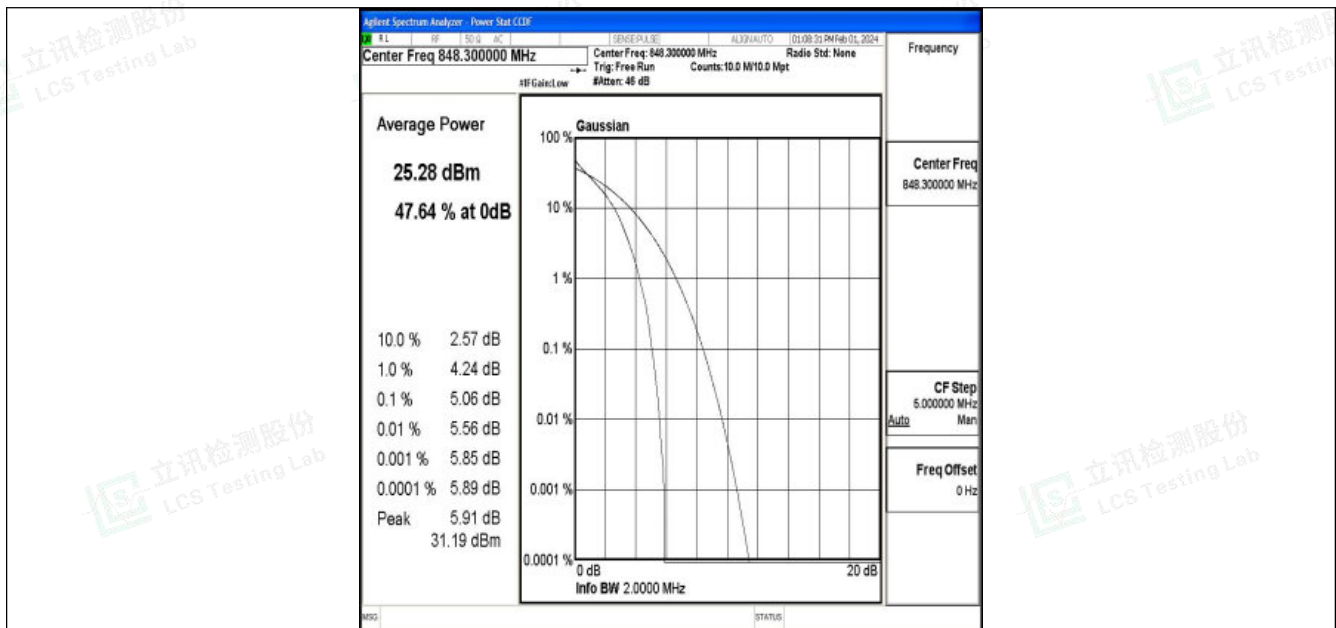


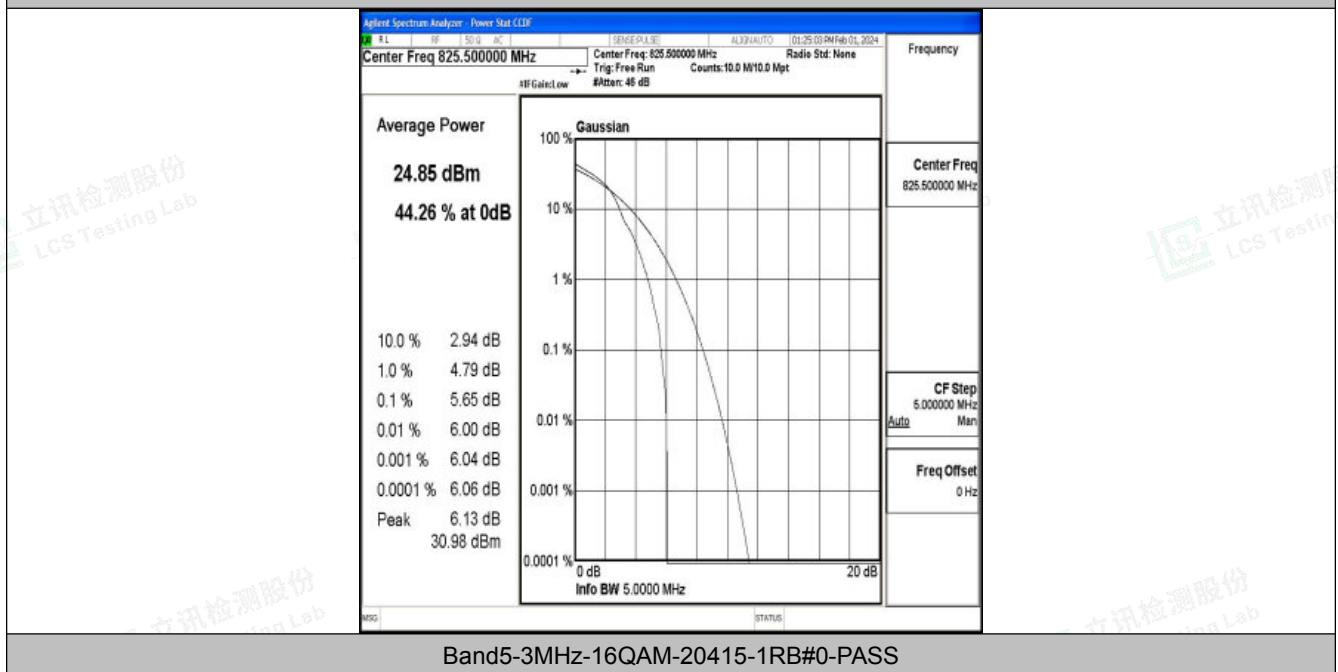
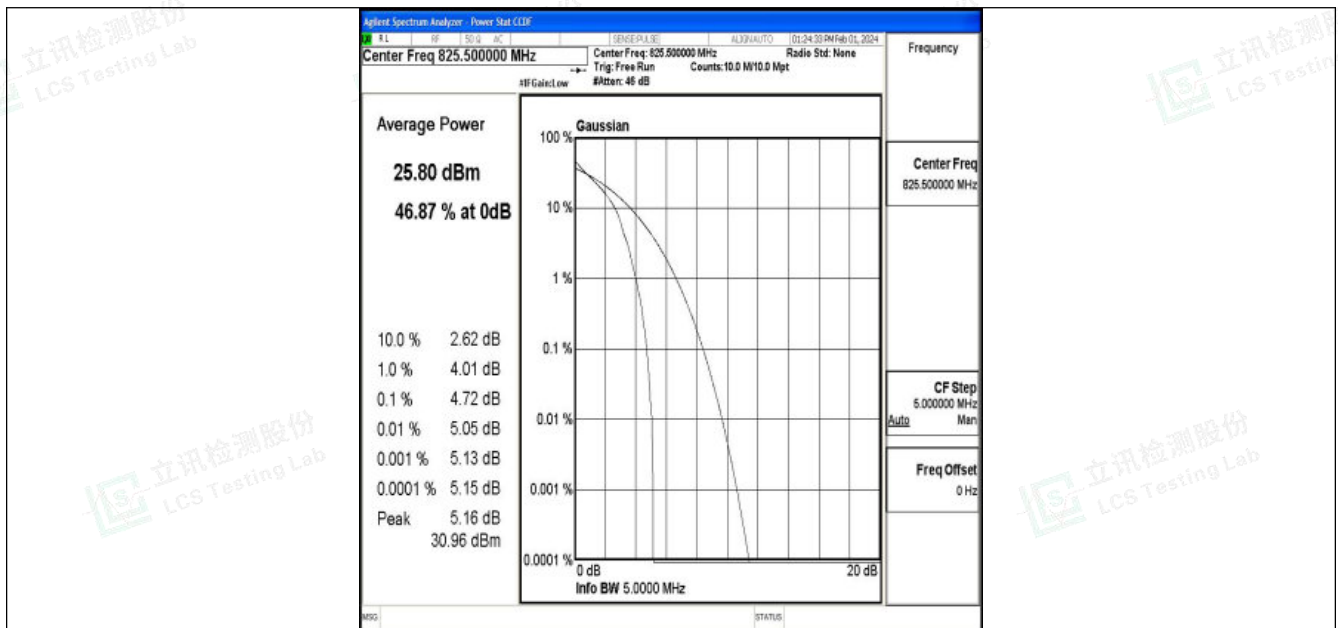
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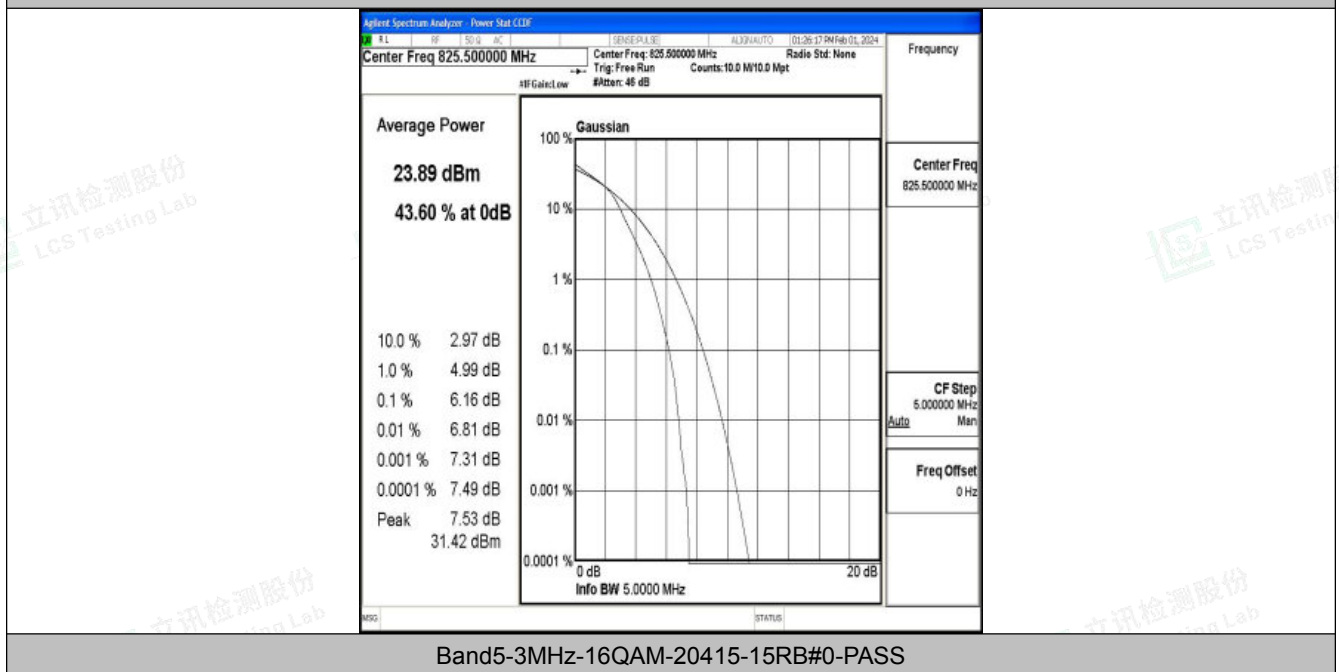
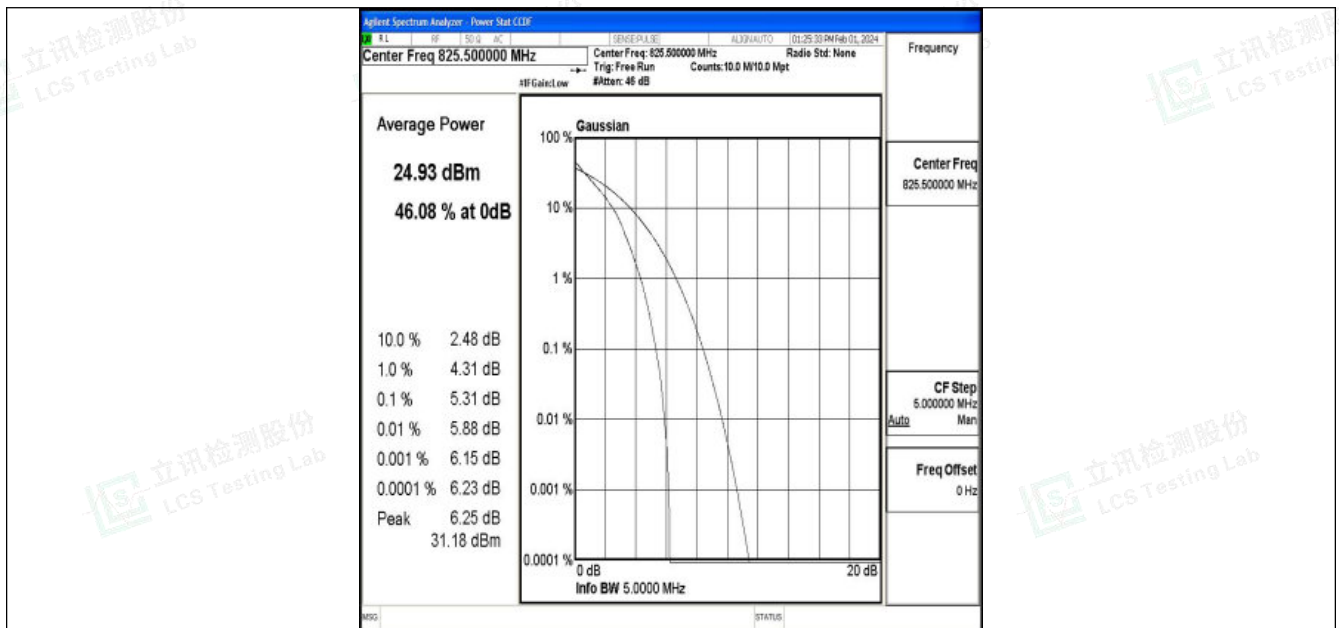
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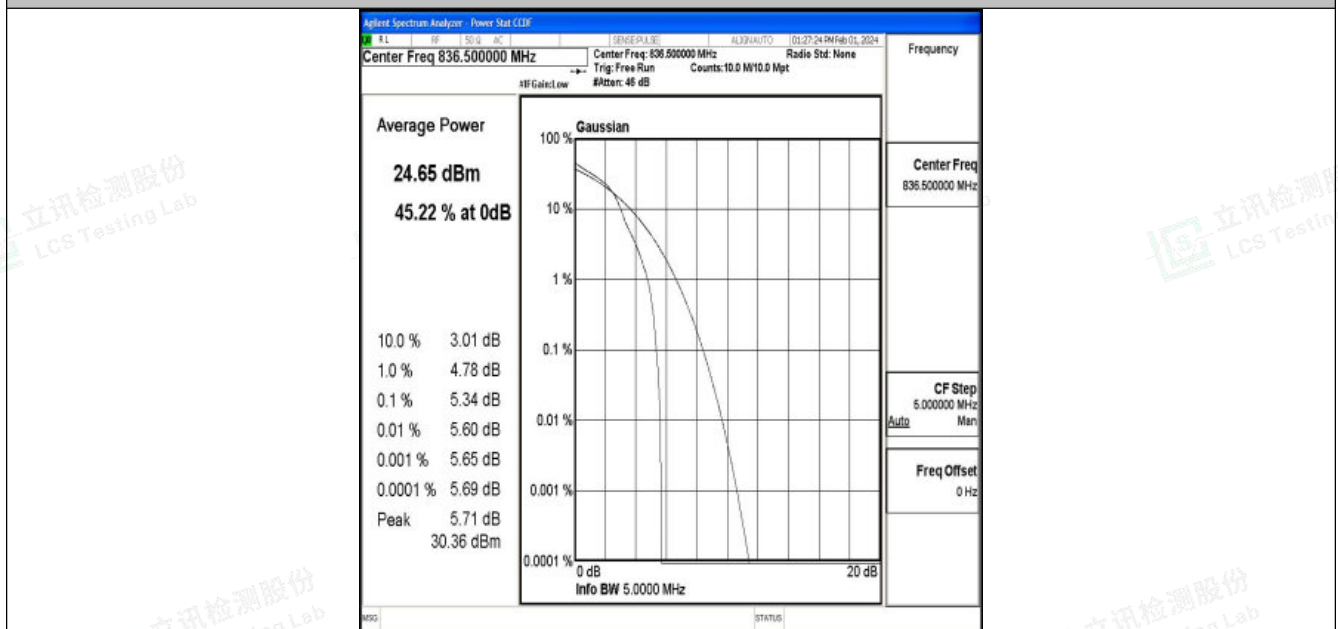
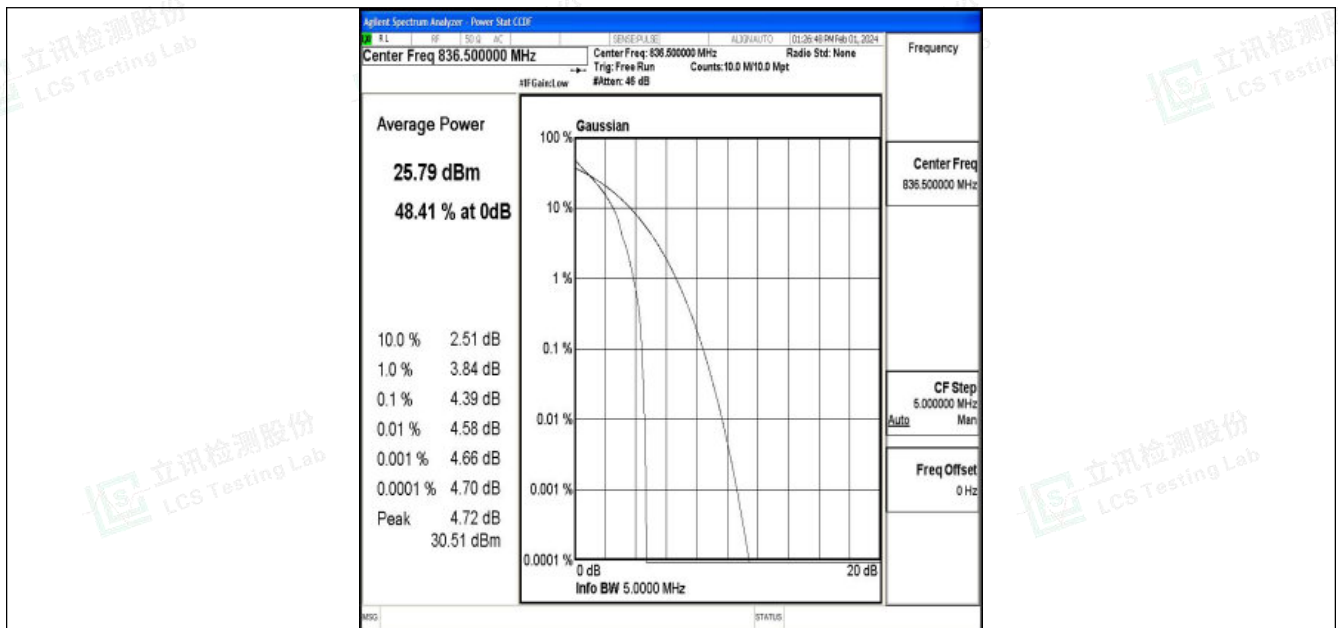
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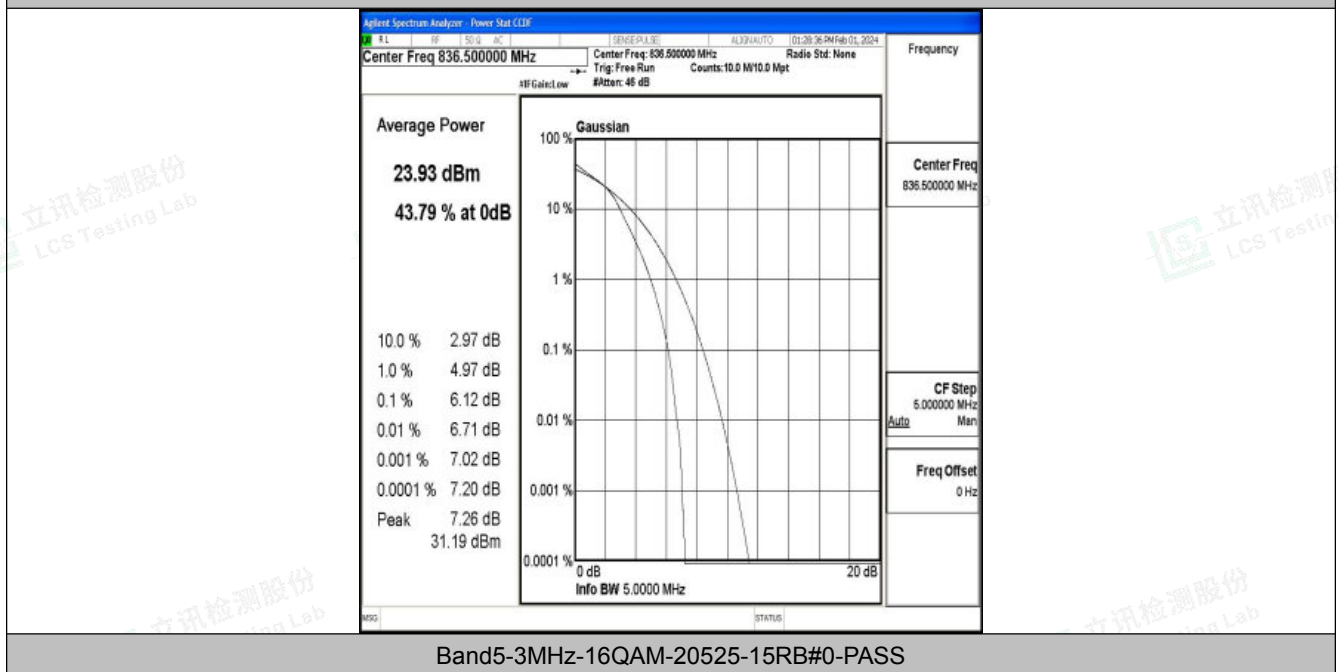
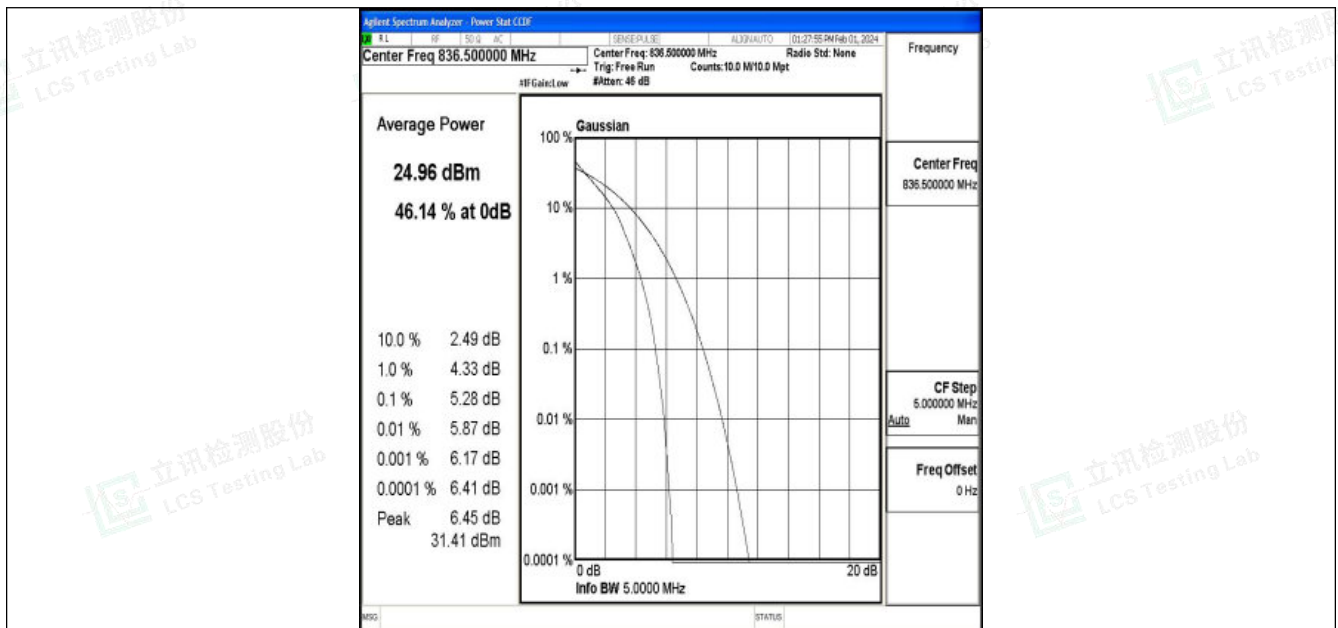
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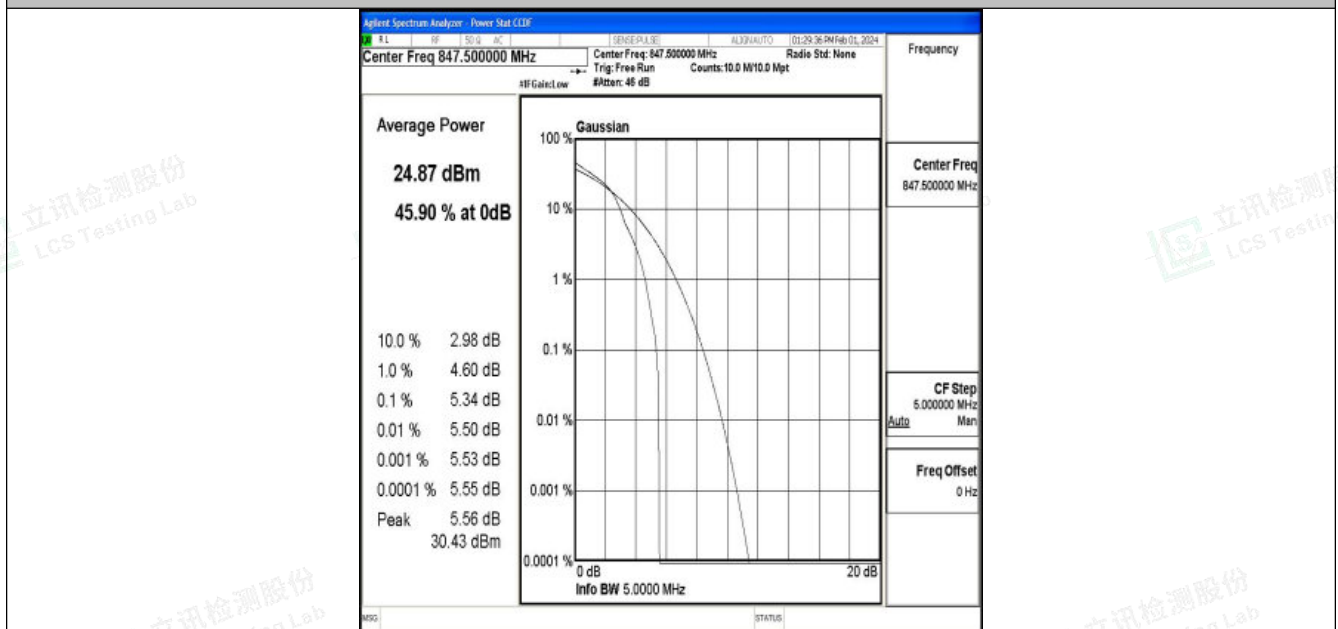
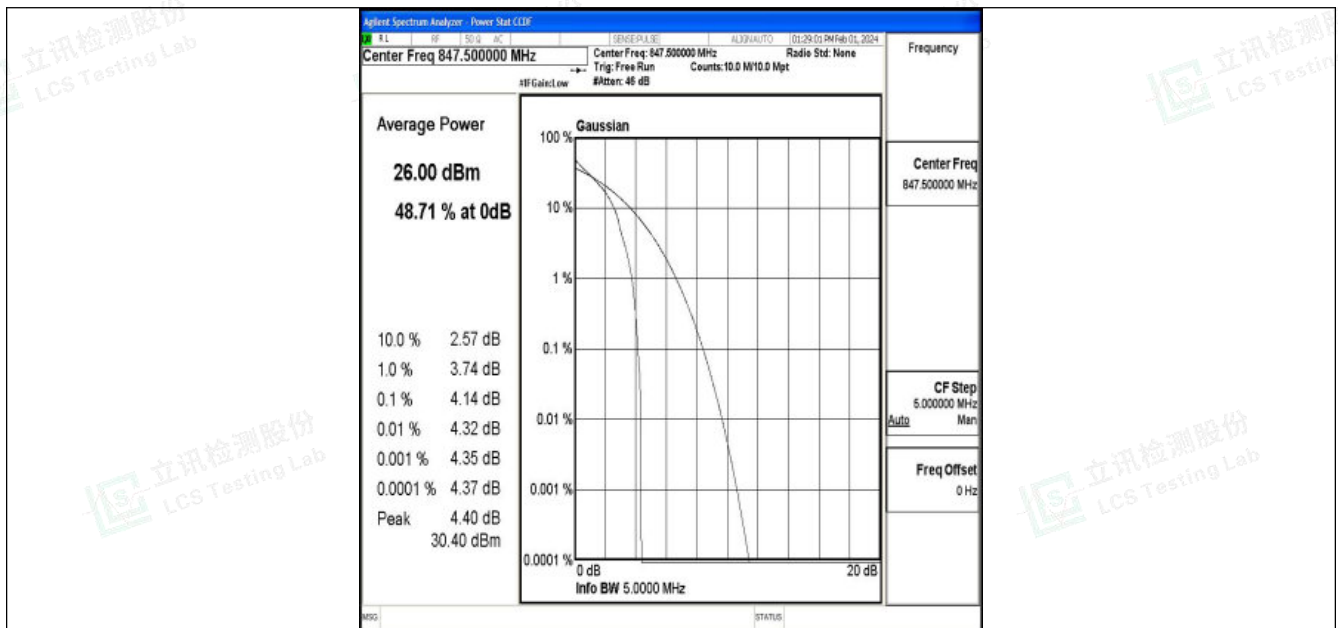


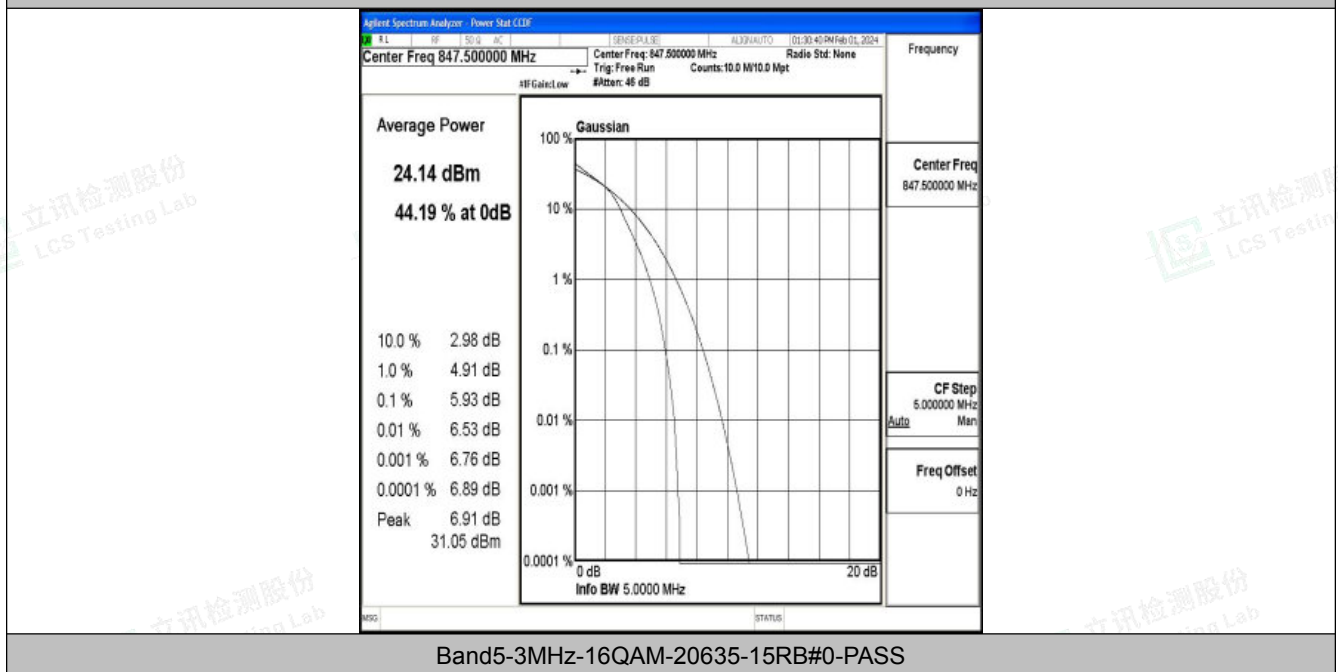
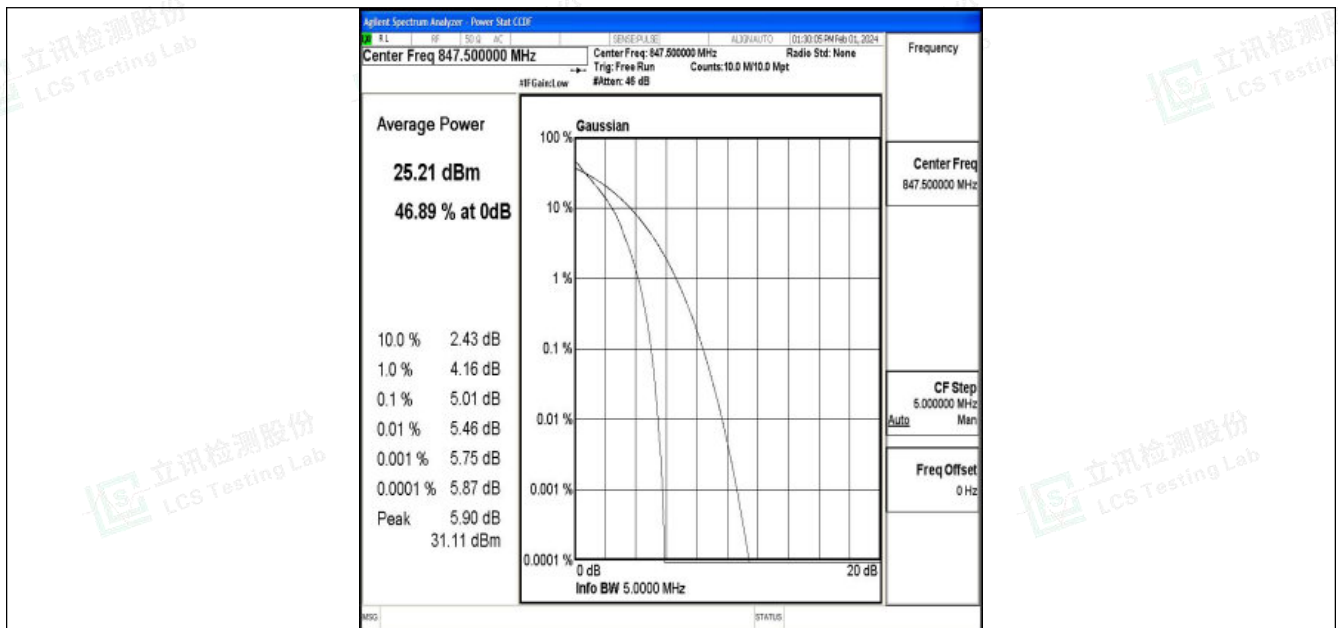










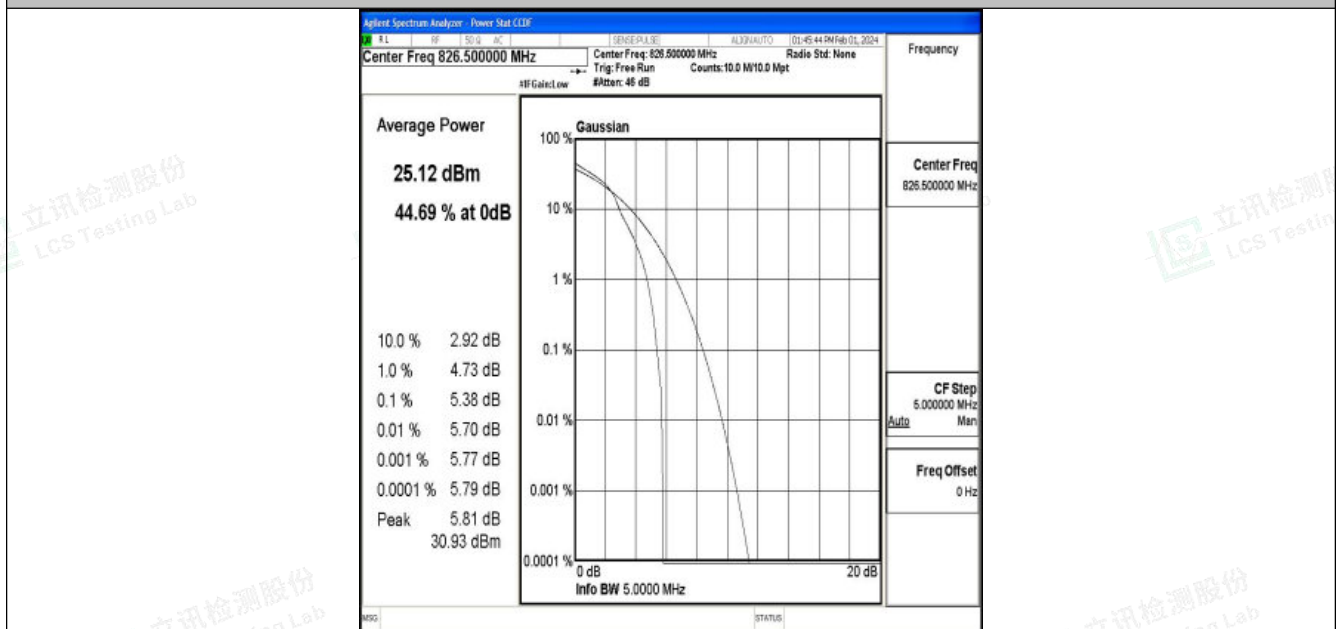
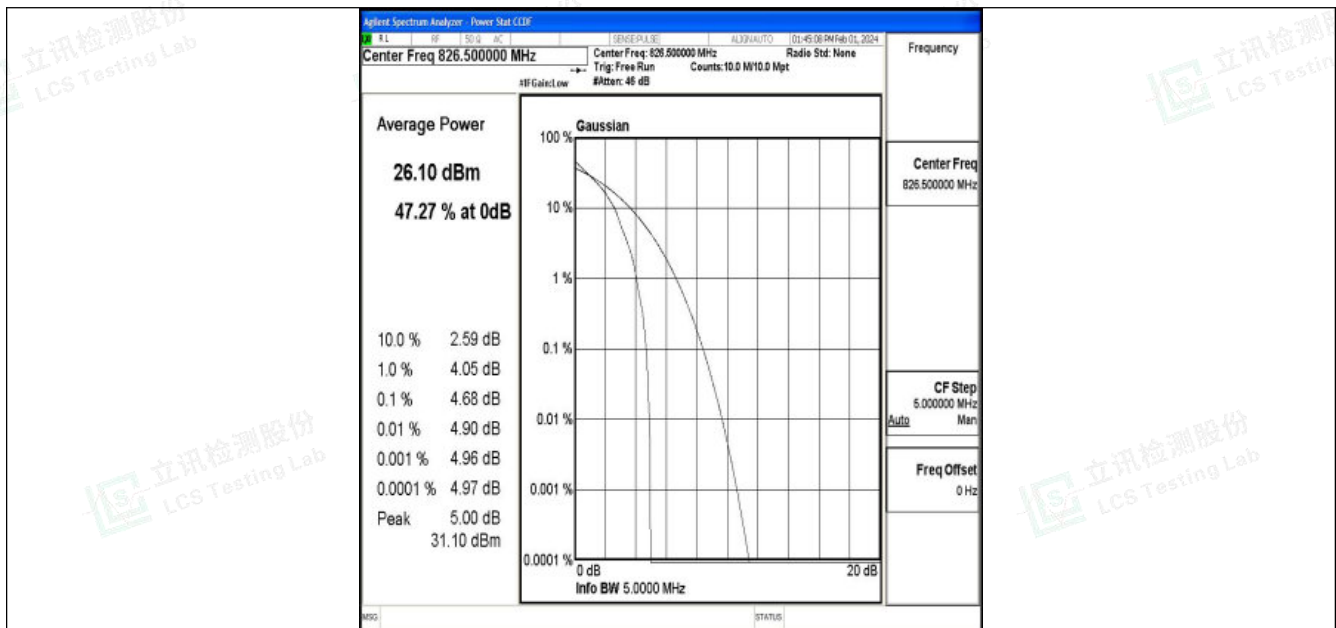


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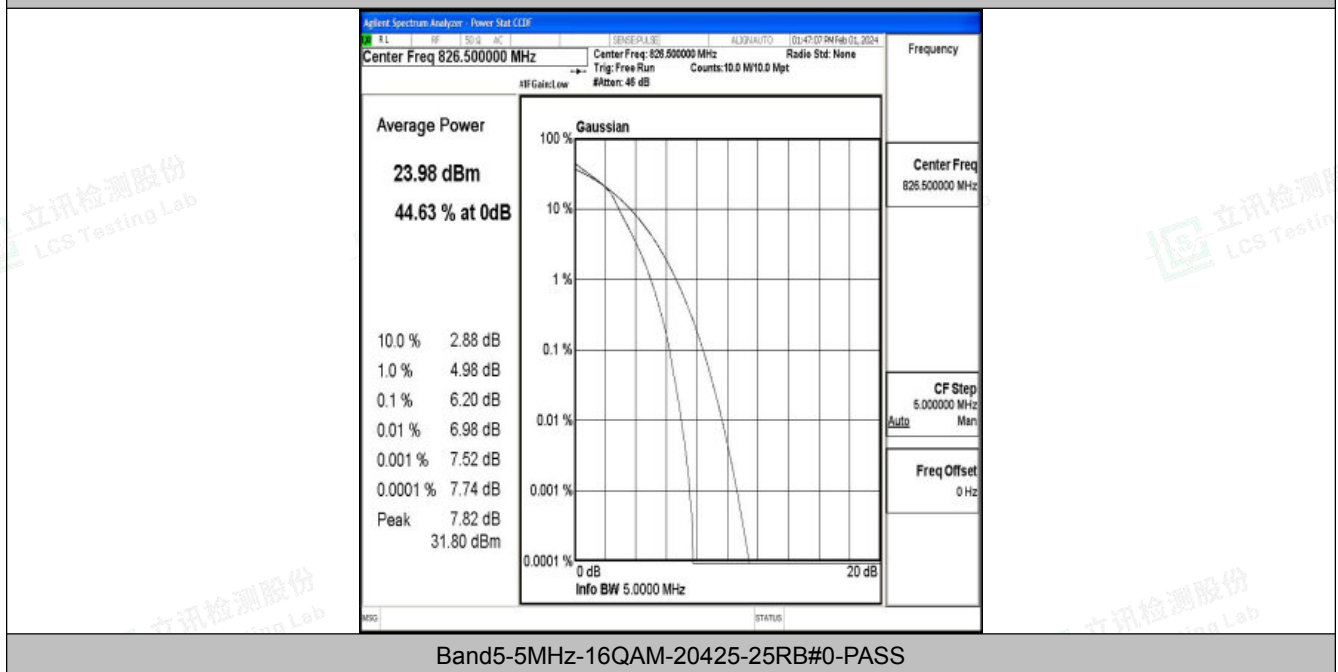
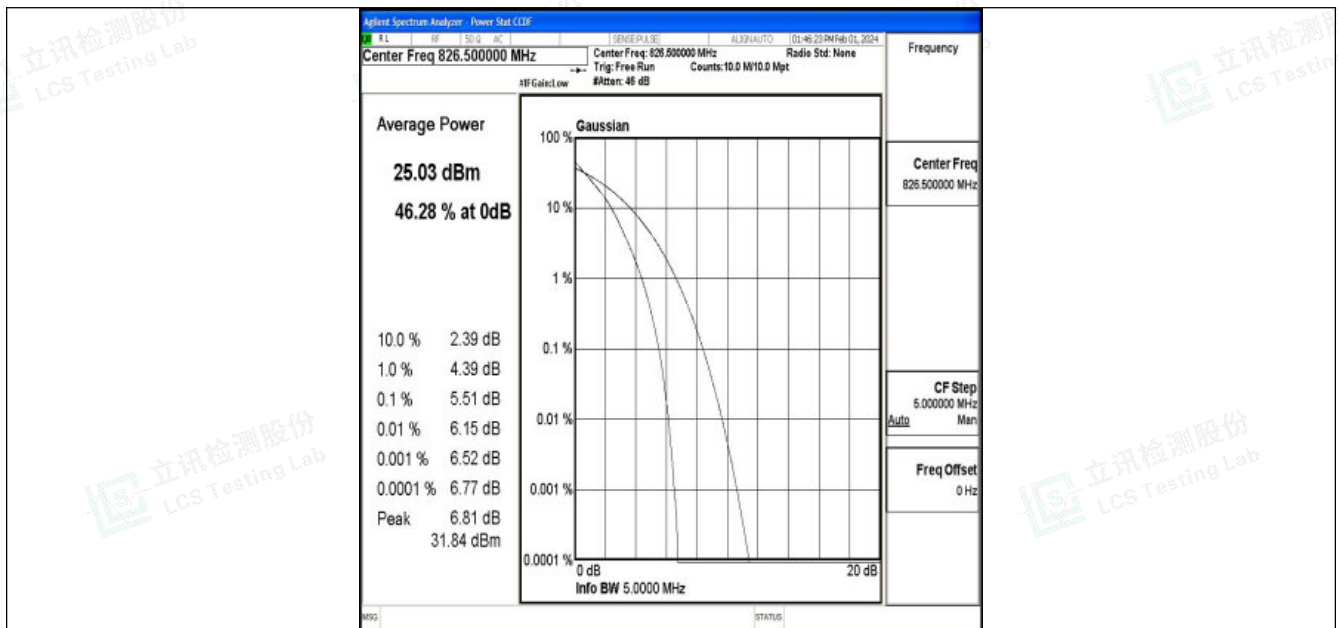


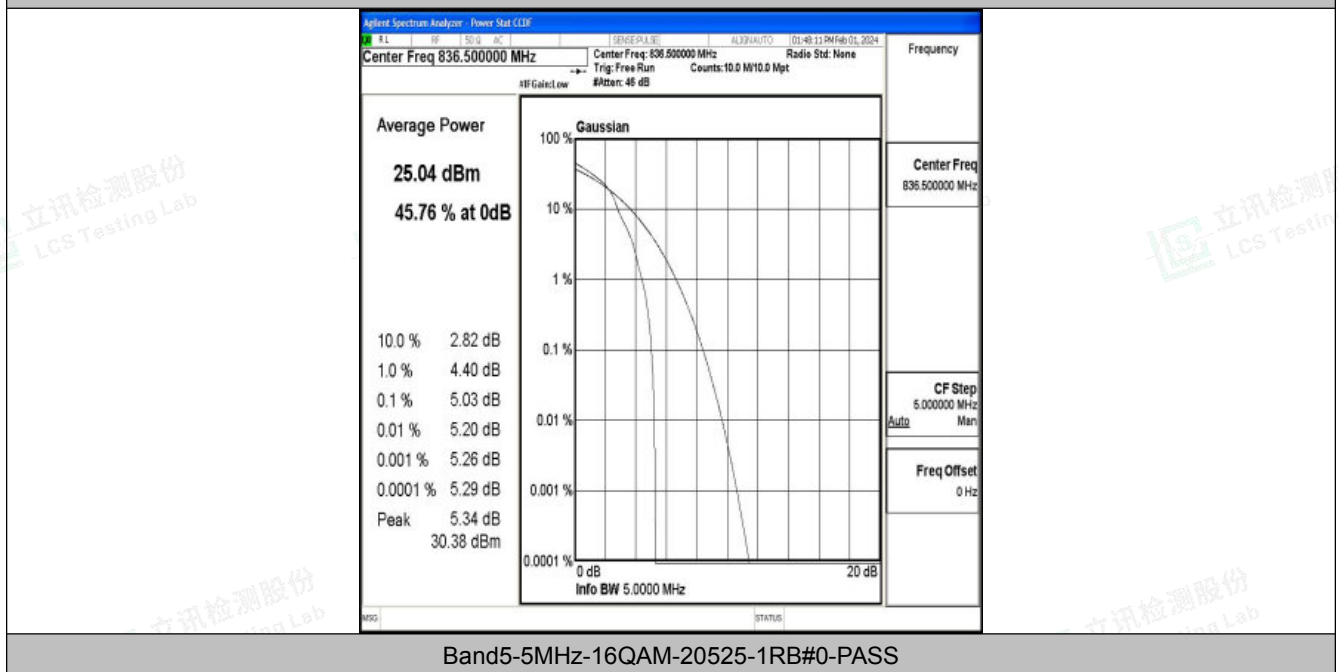
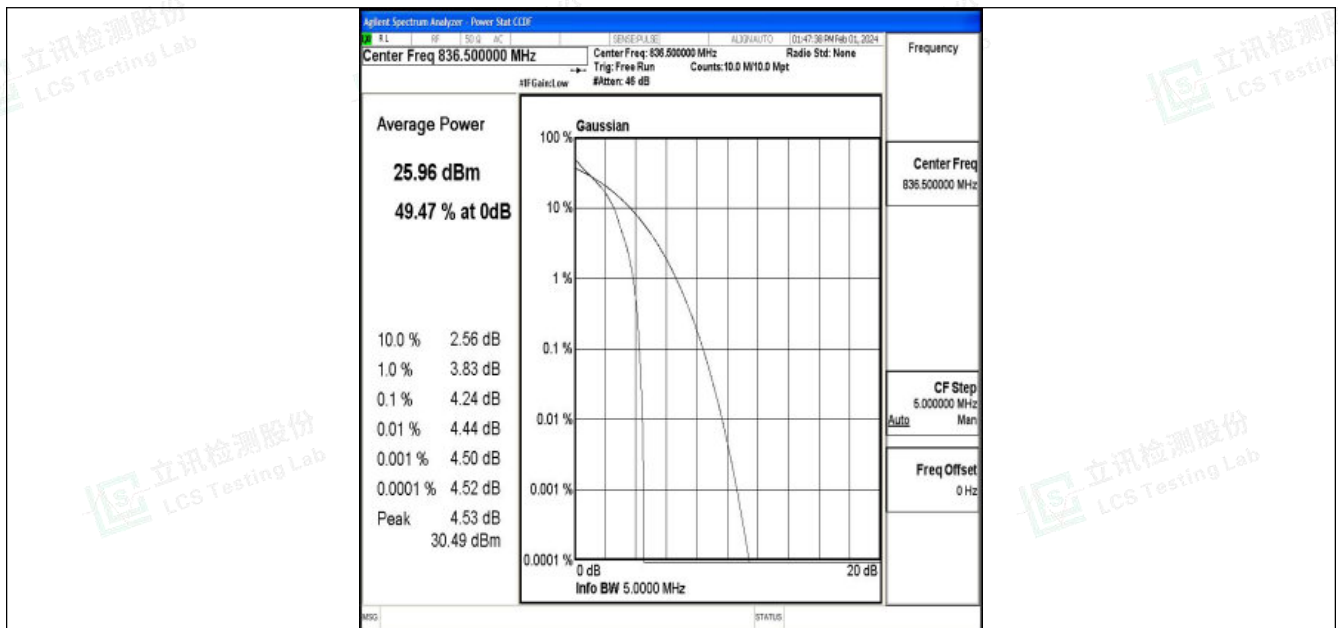
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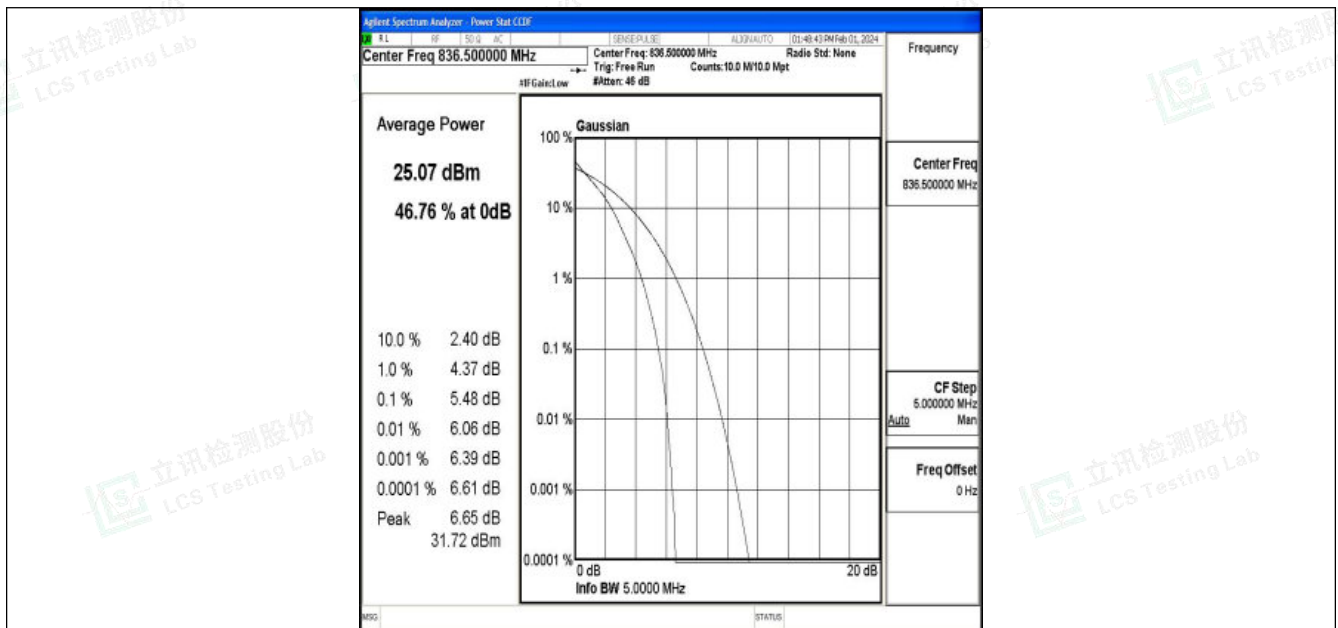


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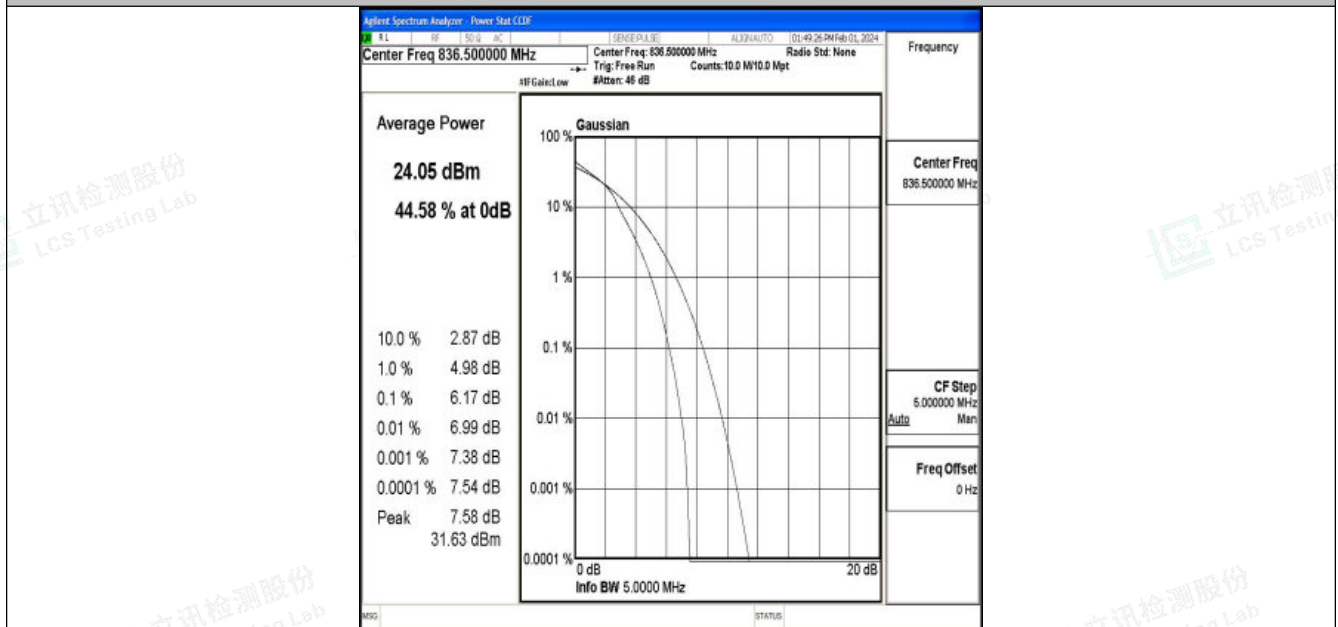
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Band5-5MHz-QPSK-20525-25RB#0-PASS



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

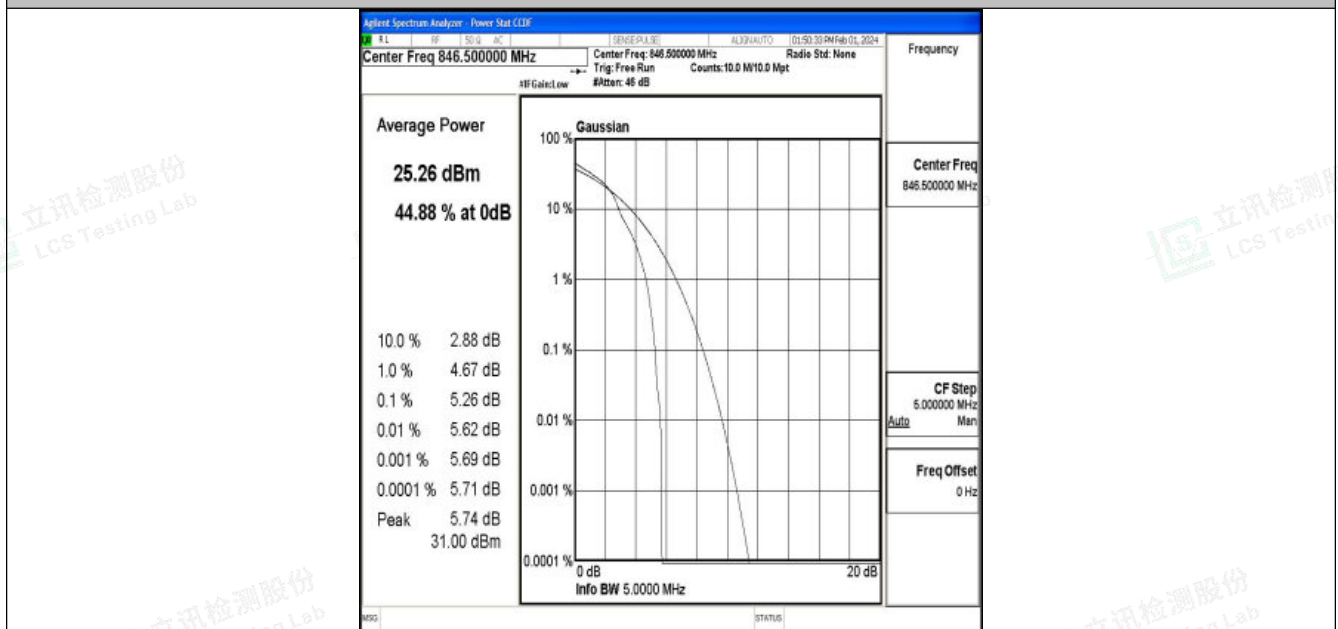
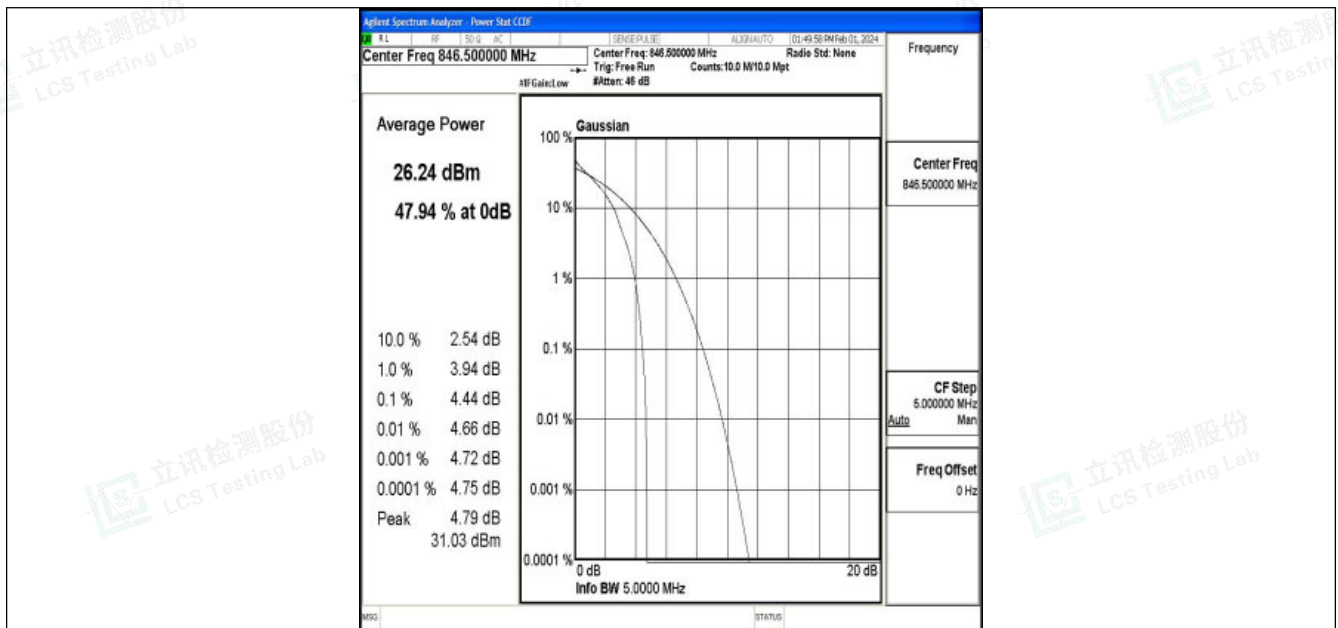


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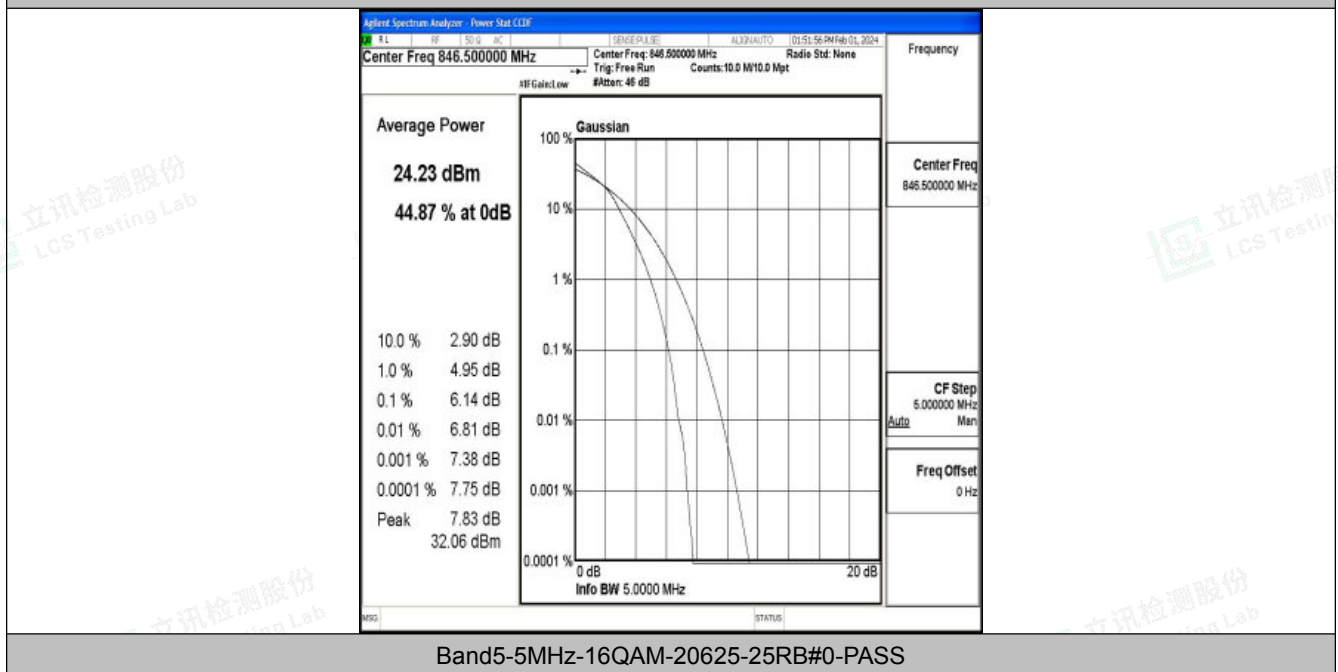
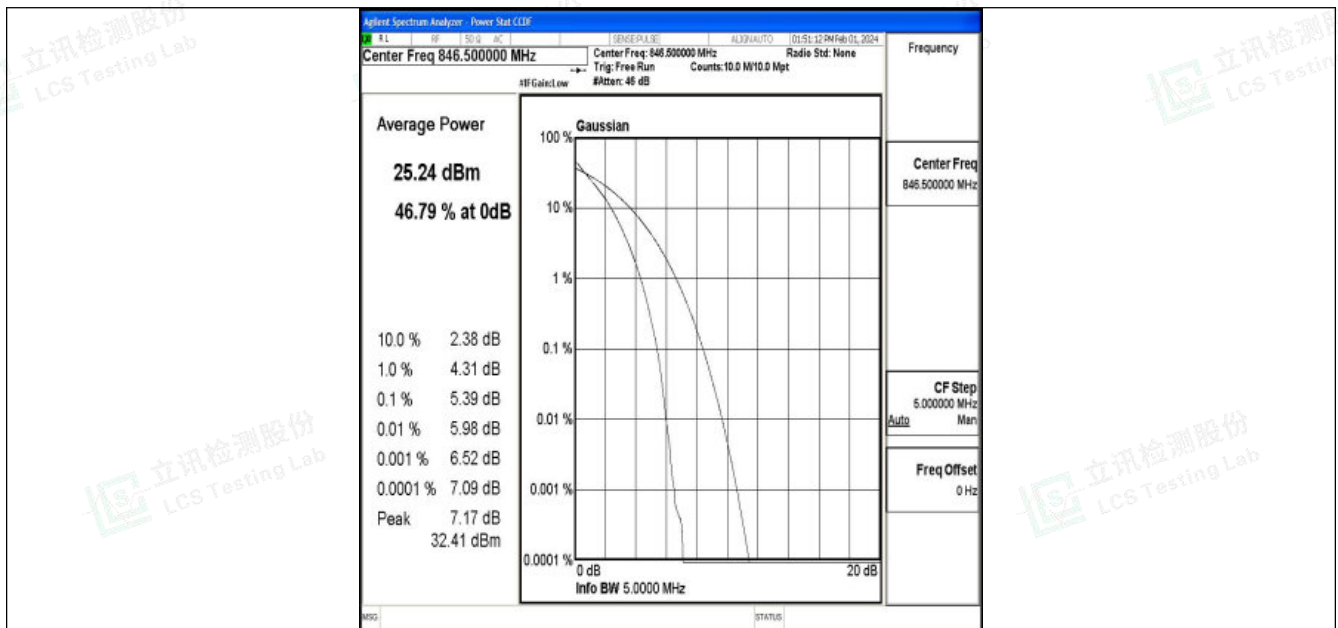


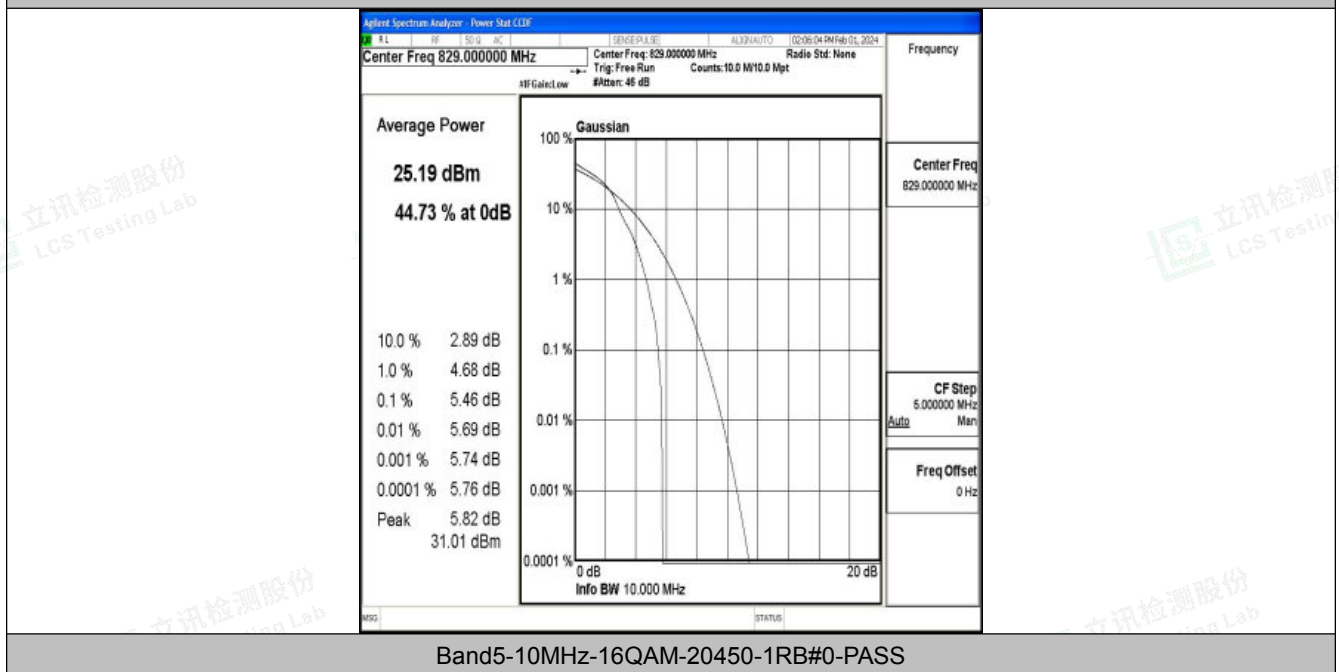
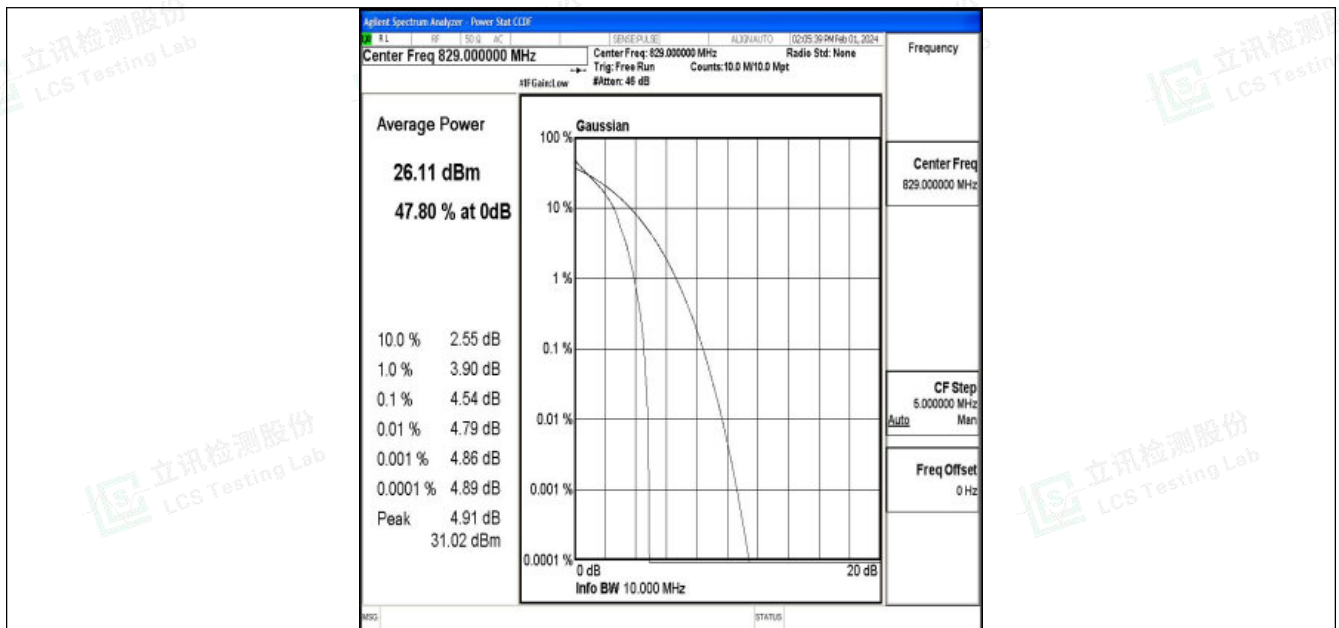
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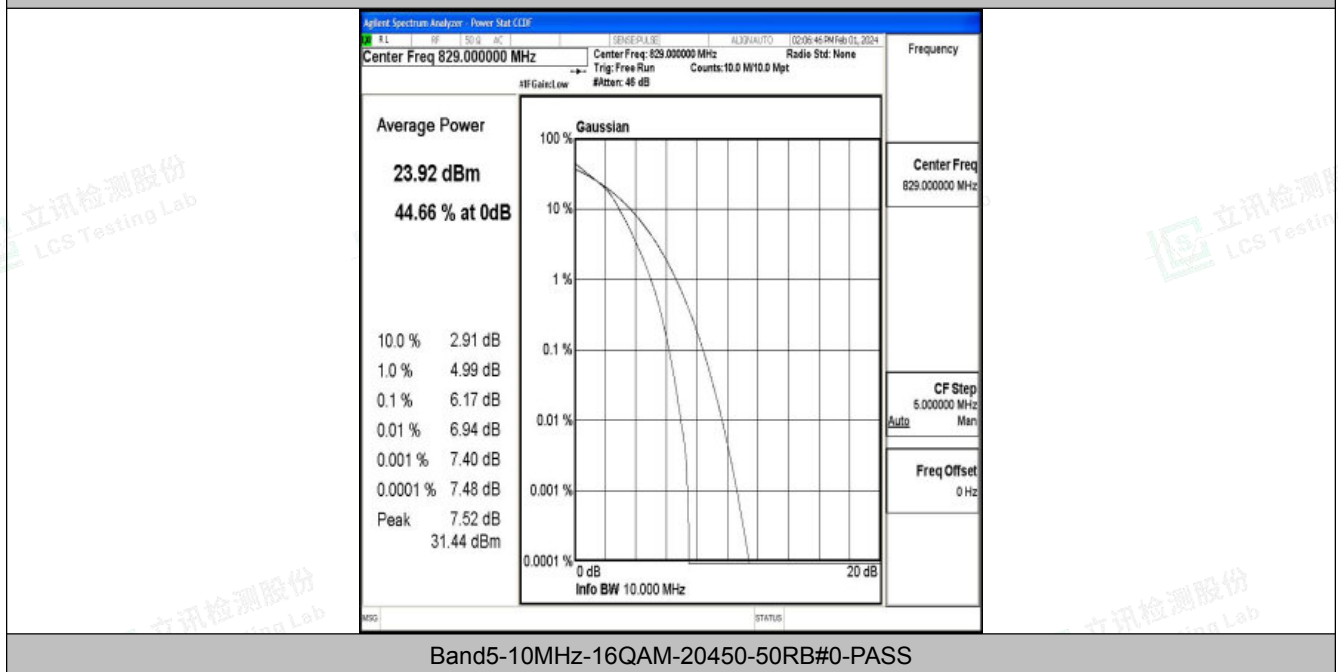
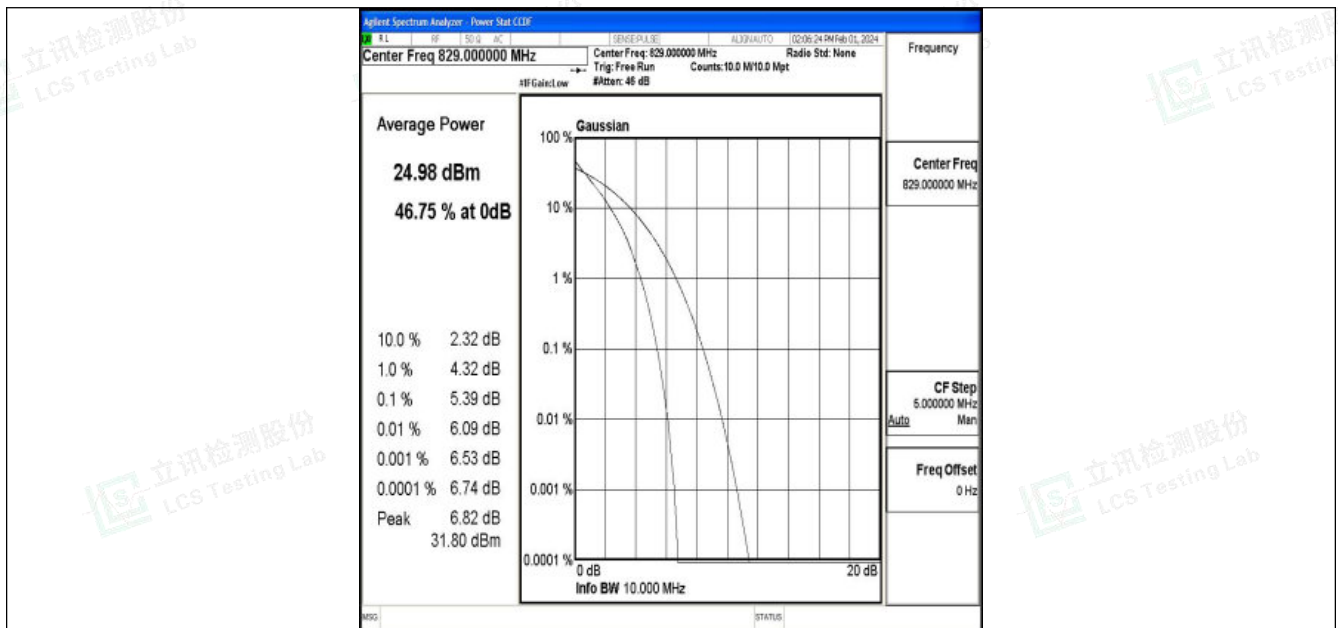


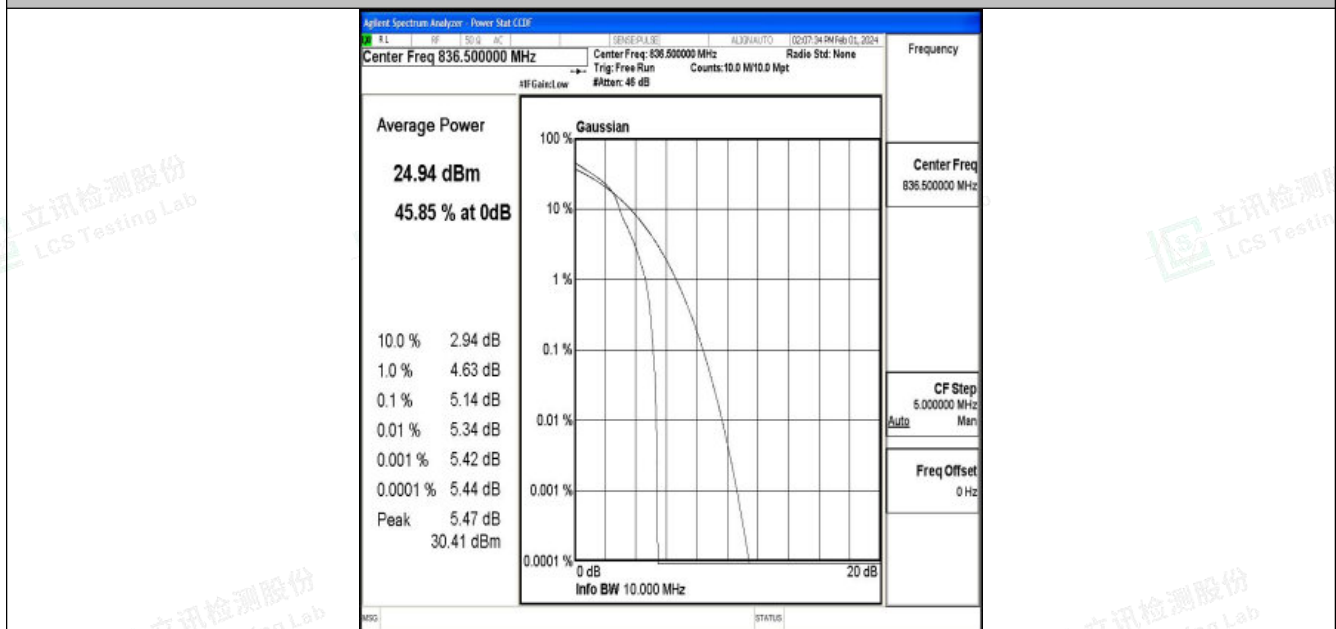
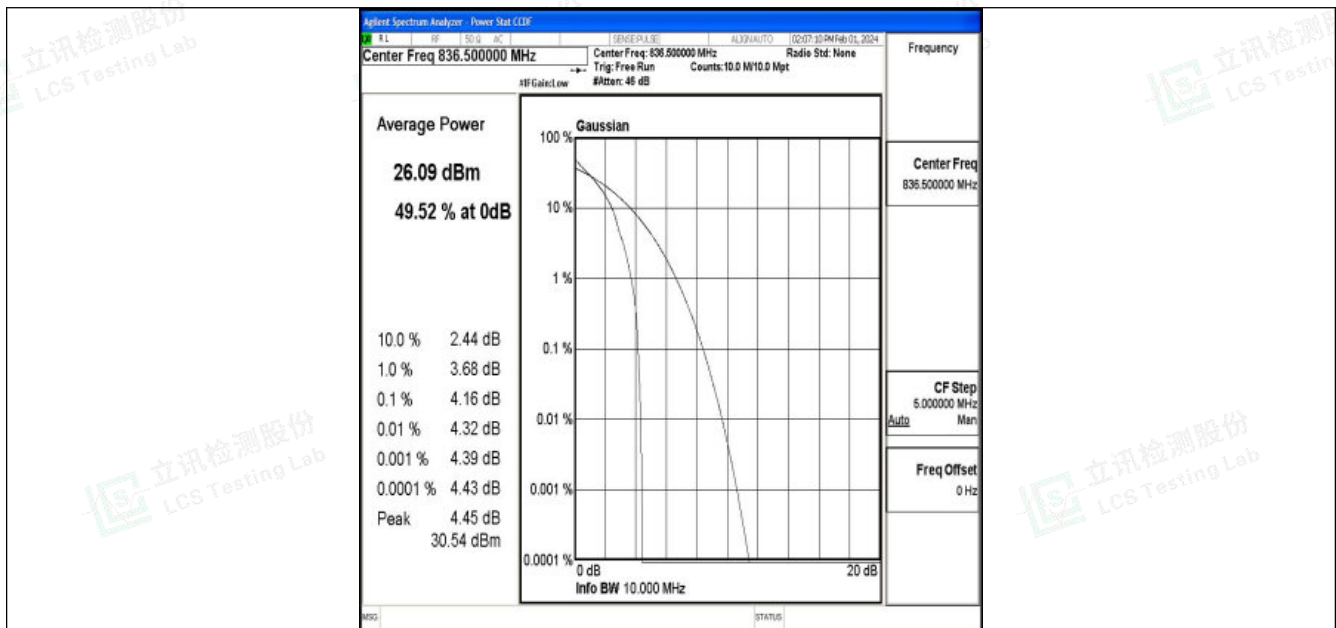
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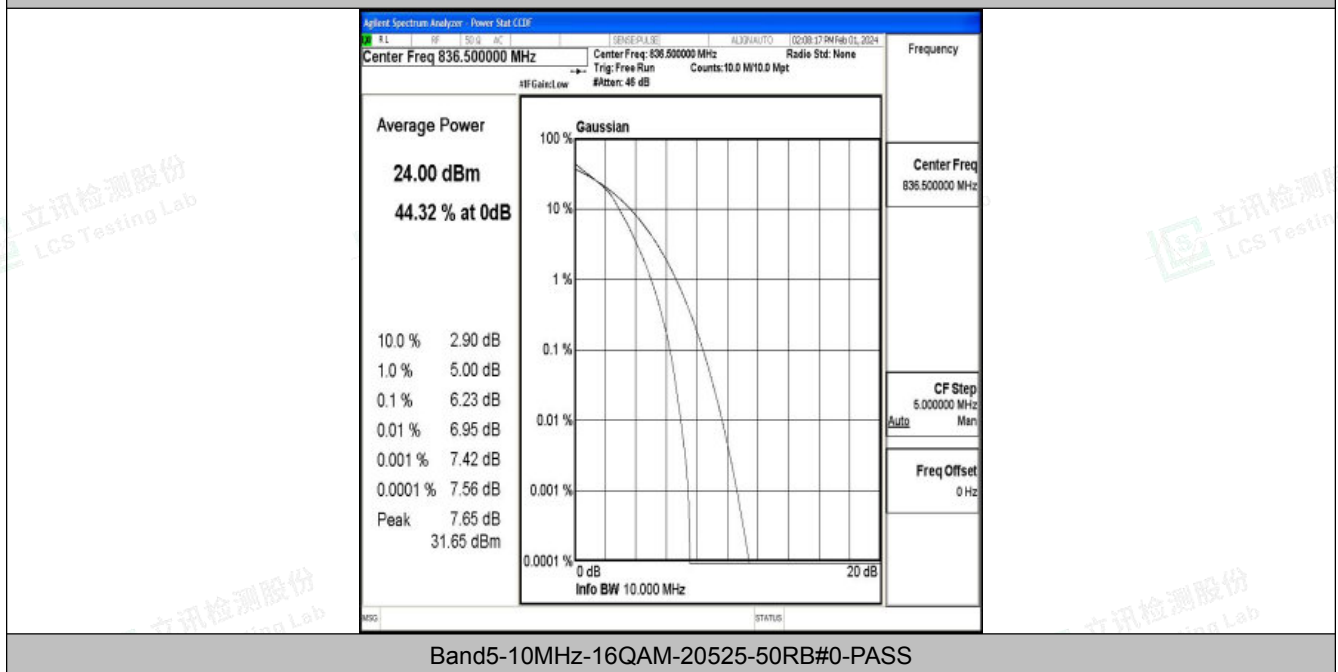
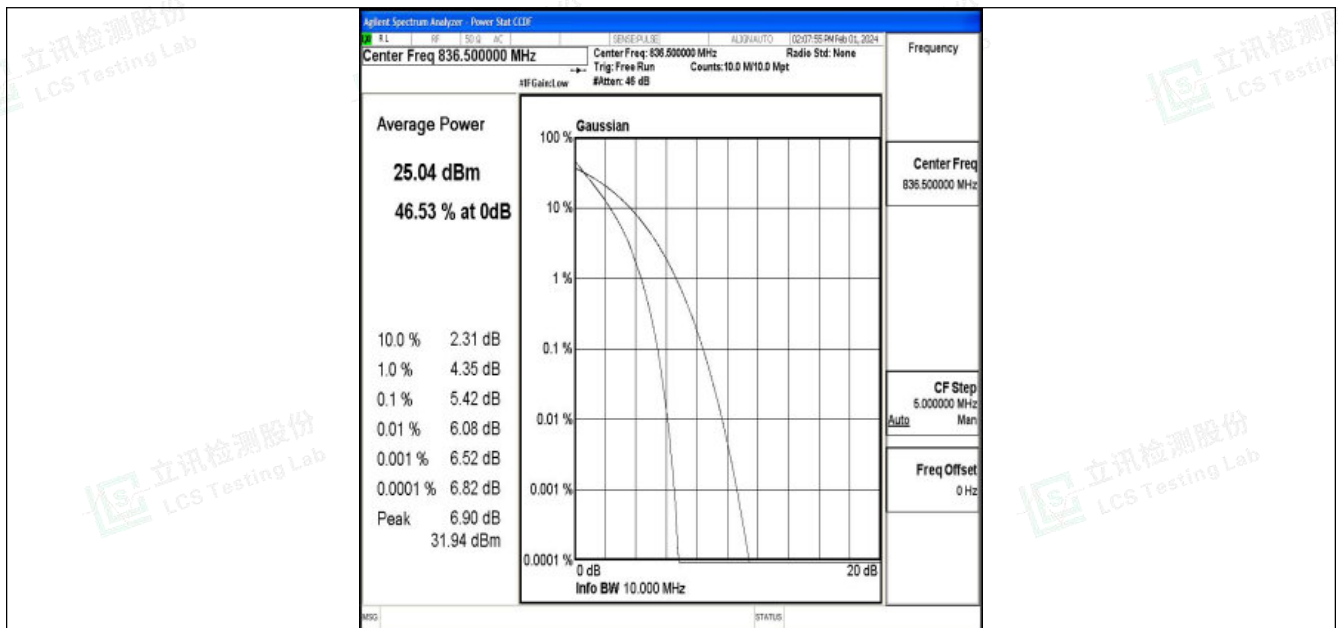
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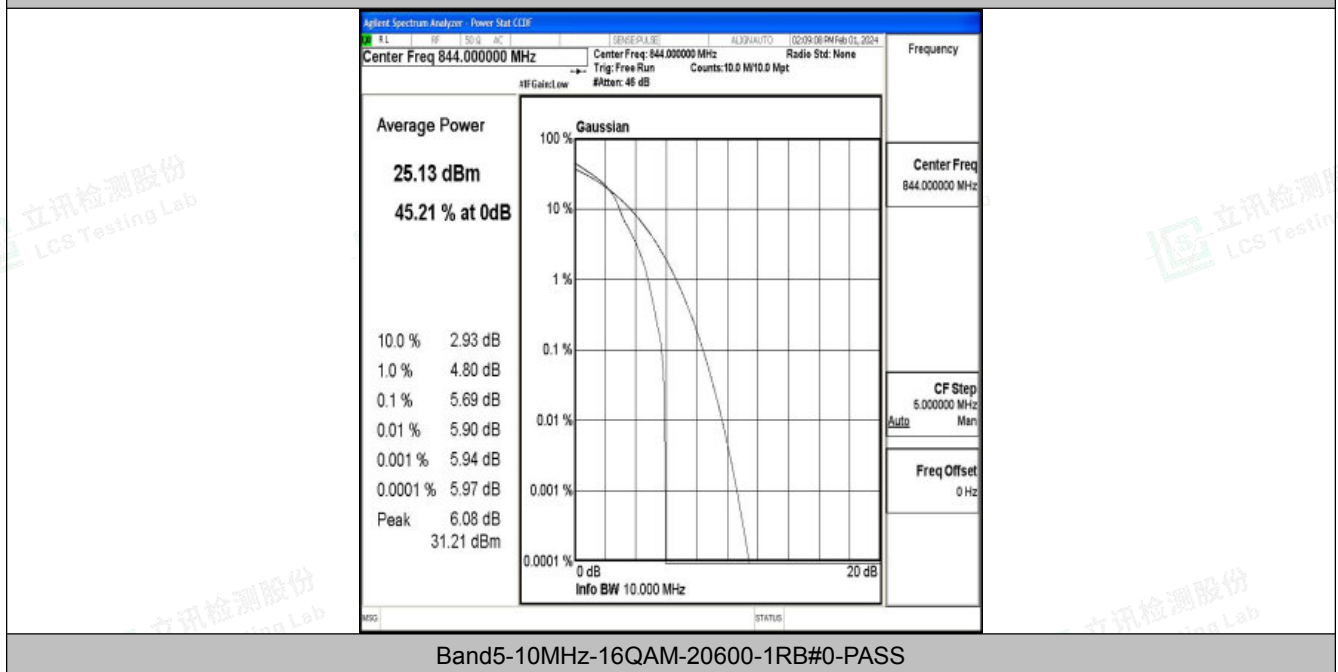
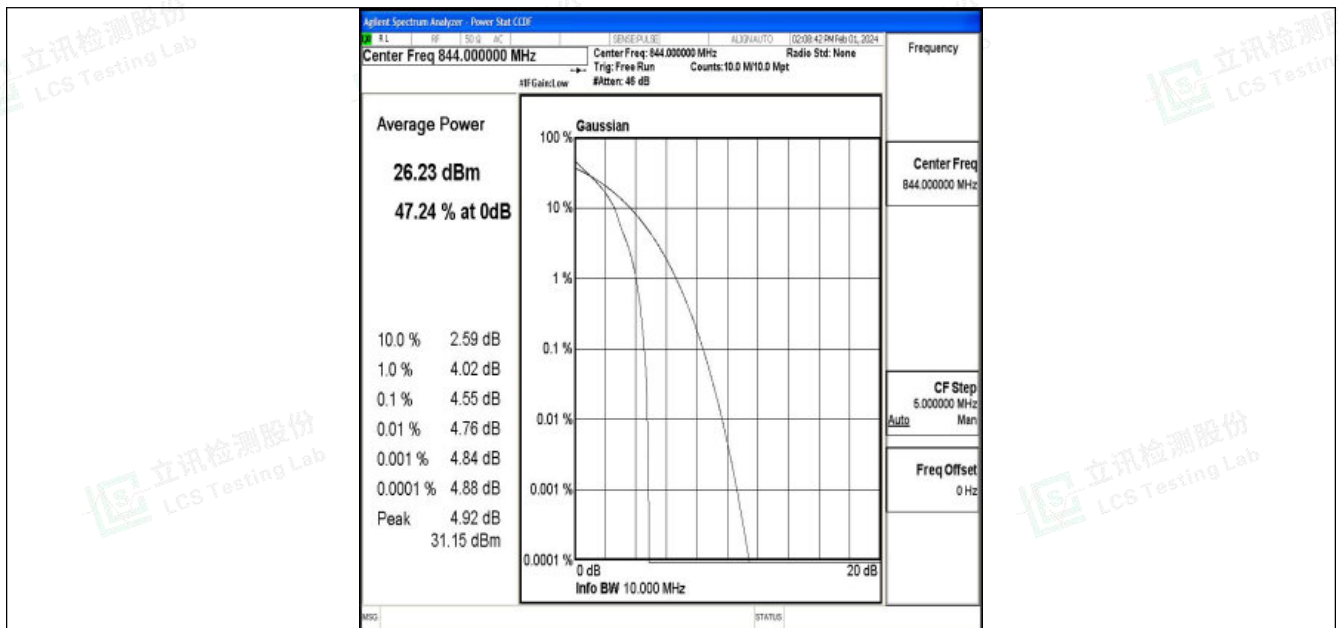
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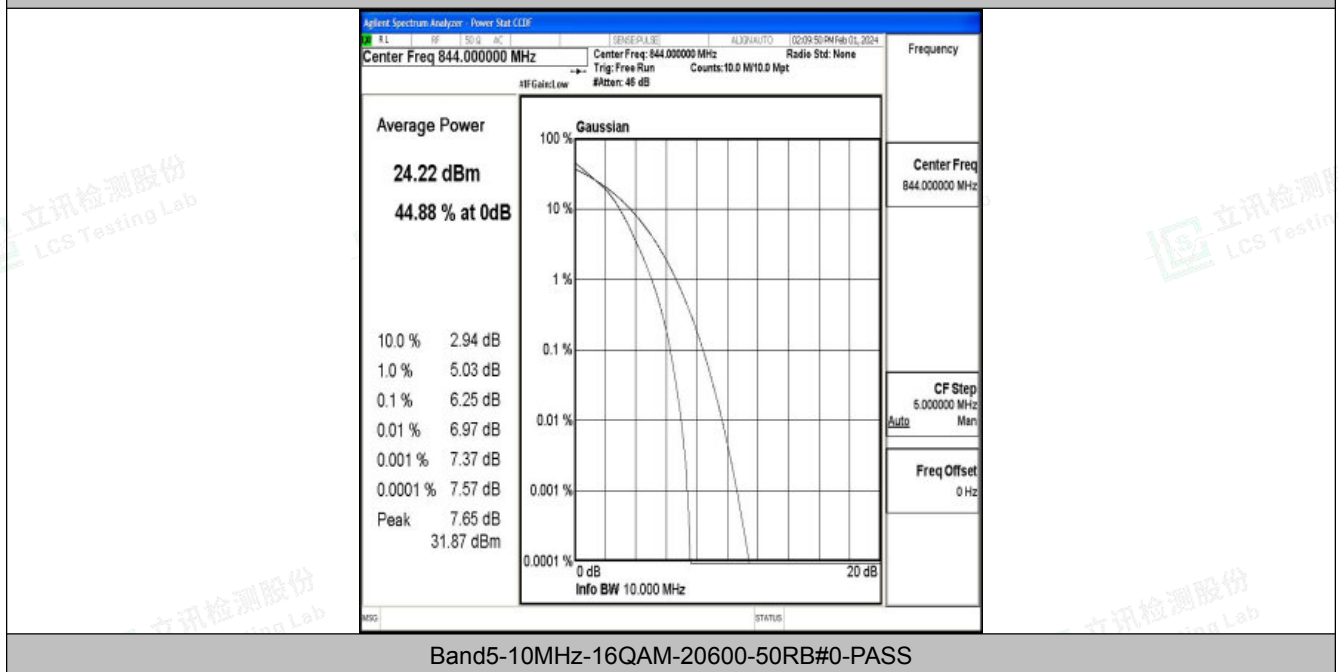
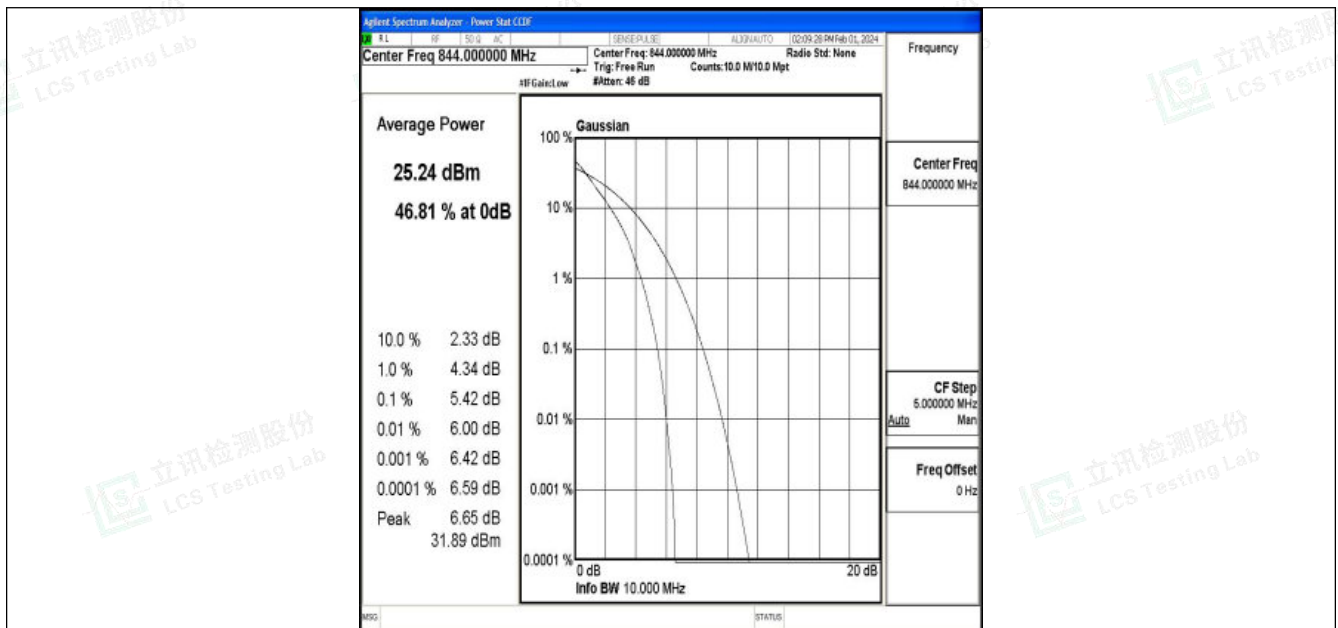
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D.3 26dB Bandwidth and Occupied Bandwidth

Test Result

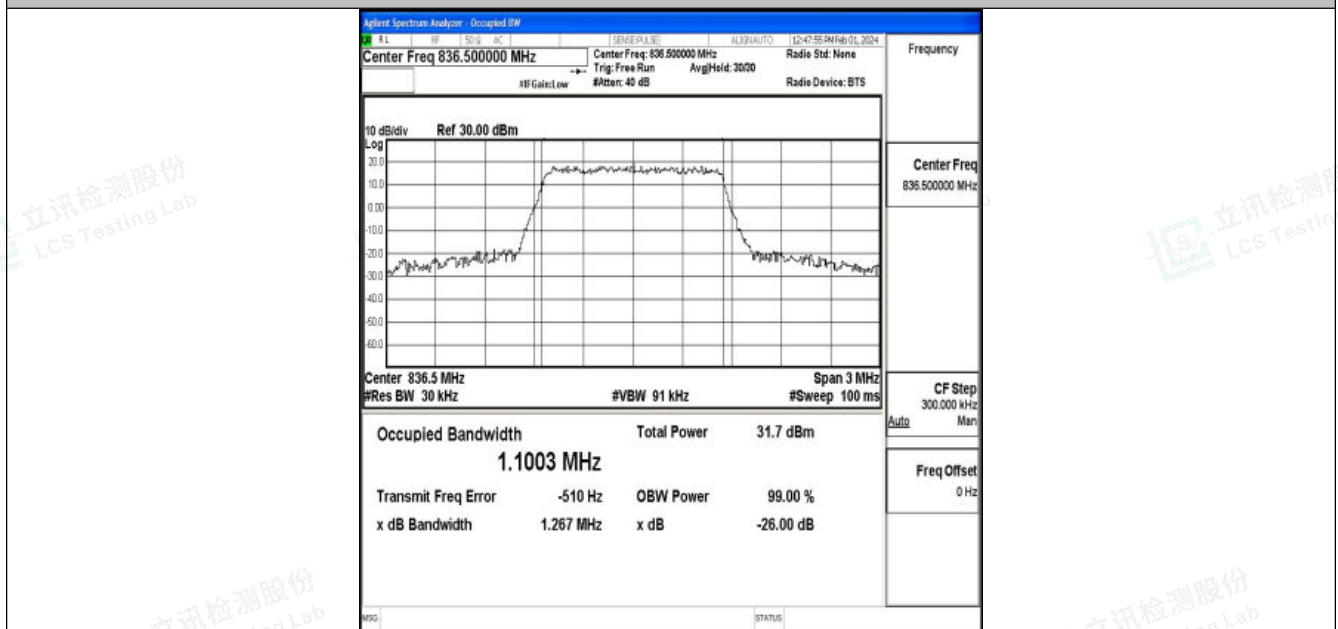
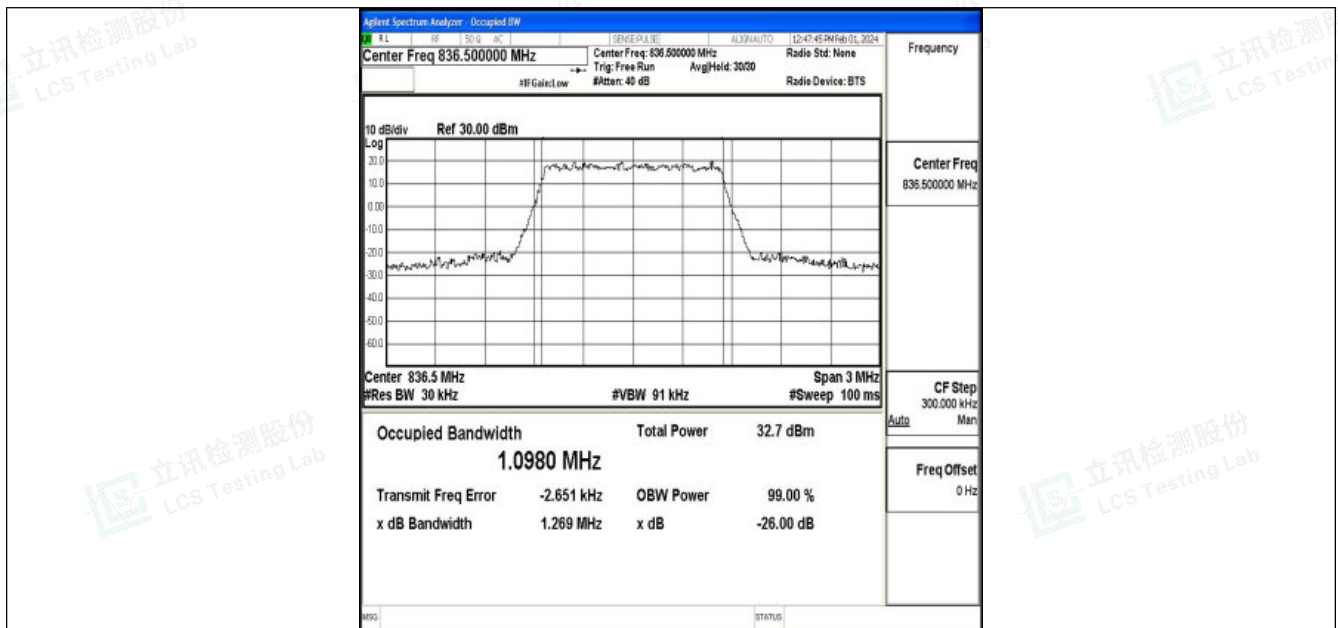
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0923	1.264	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0979	1.281	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0980	1.269	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1003	1.267	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0917	1.266	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0956	1.283	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6883	2.971	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6771	2.936	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6900	2.946	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6894	2.934	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6889	2.948	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6854	2.949	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5018	4.916	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4967	4.894	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4968	4.909	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4994	4.921	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4958	4.917	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5102	4.918	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9697	9.766	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9665	9.713	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9759	9.775	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9910	9.775	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9459	9.755	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9703	9.727	PASS

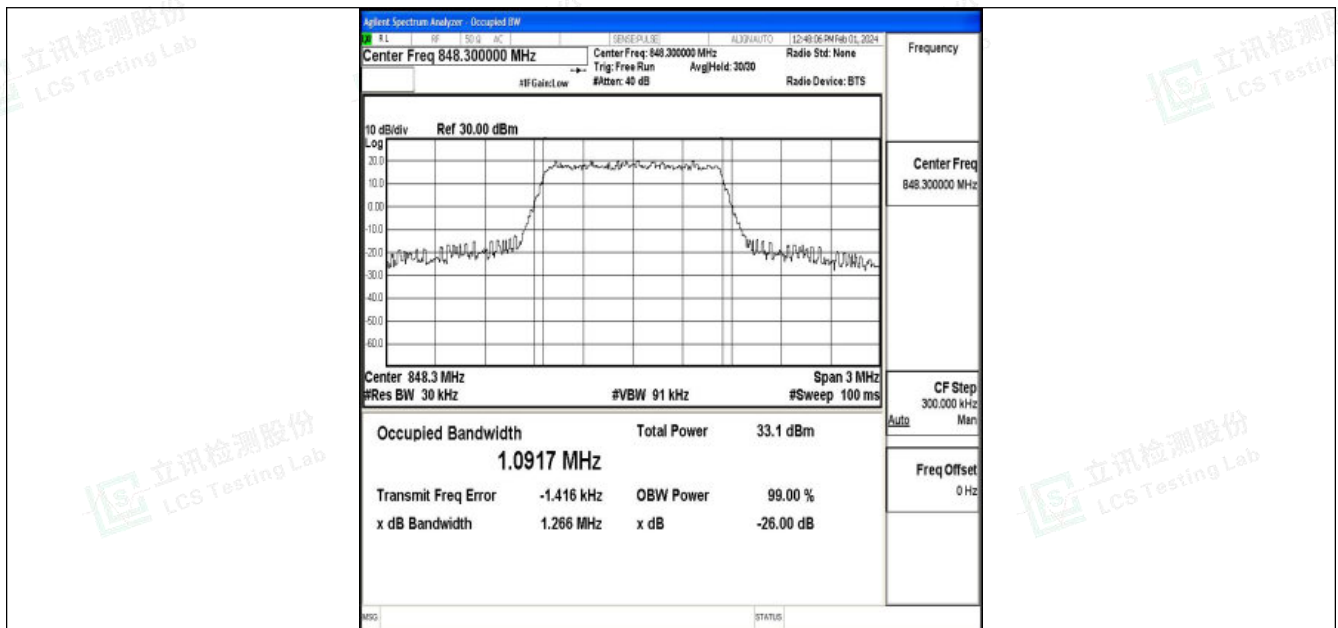




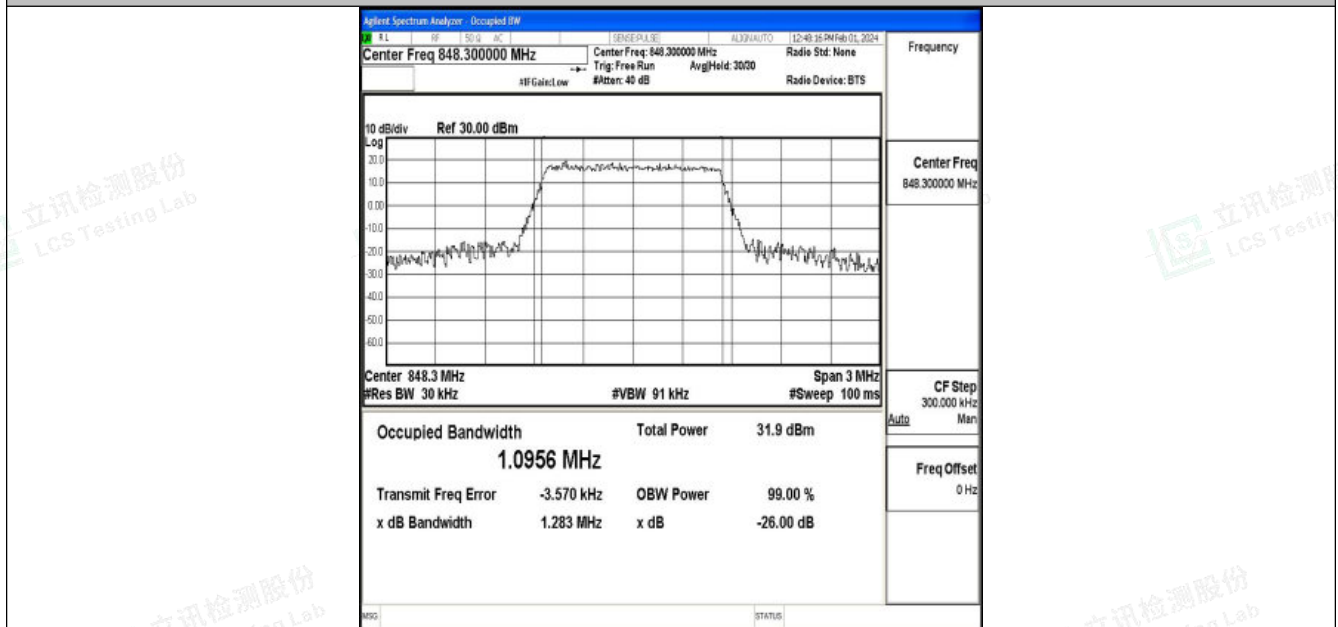
Test Graphs





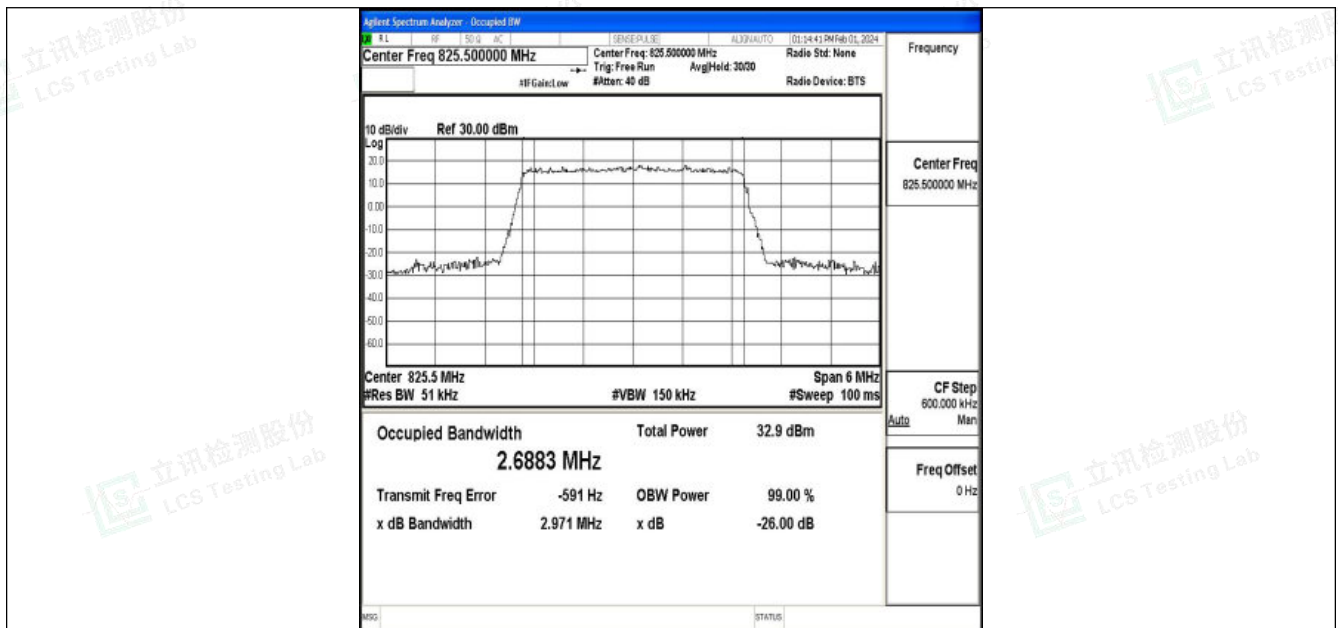


Band5-1.4MHz-QPSK-20643-6RB#0-PASS

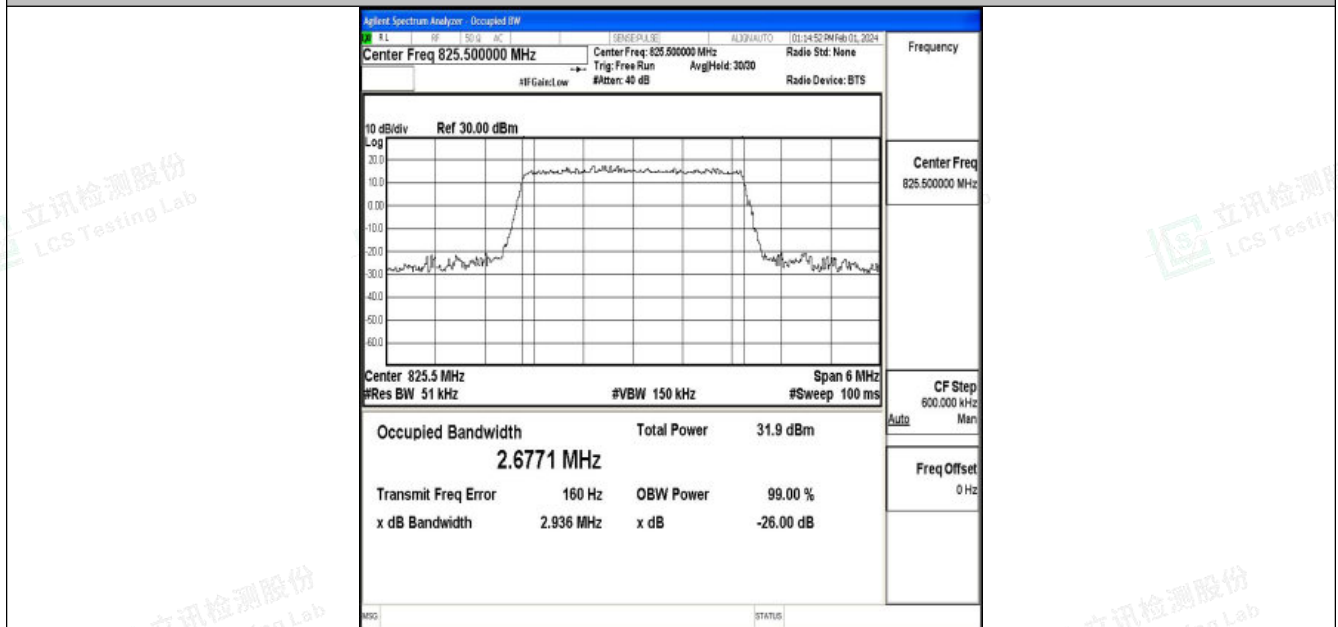


Band5-1.4MHz-16QAM-20643-6RB#0-PASS



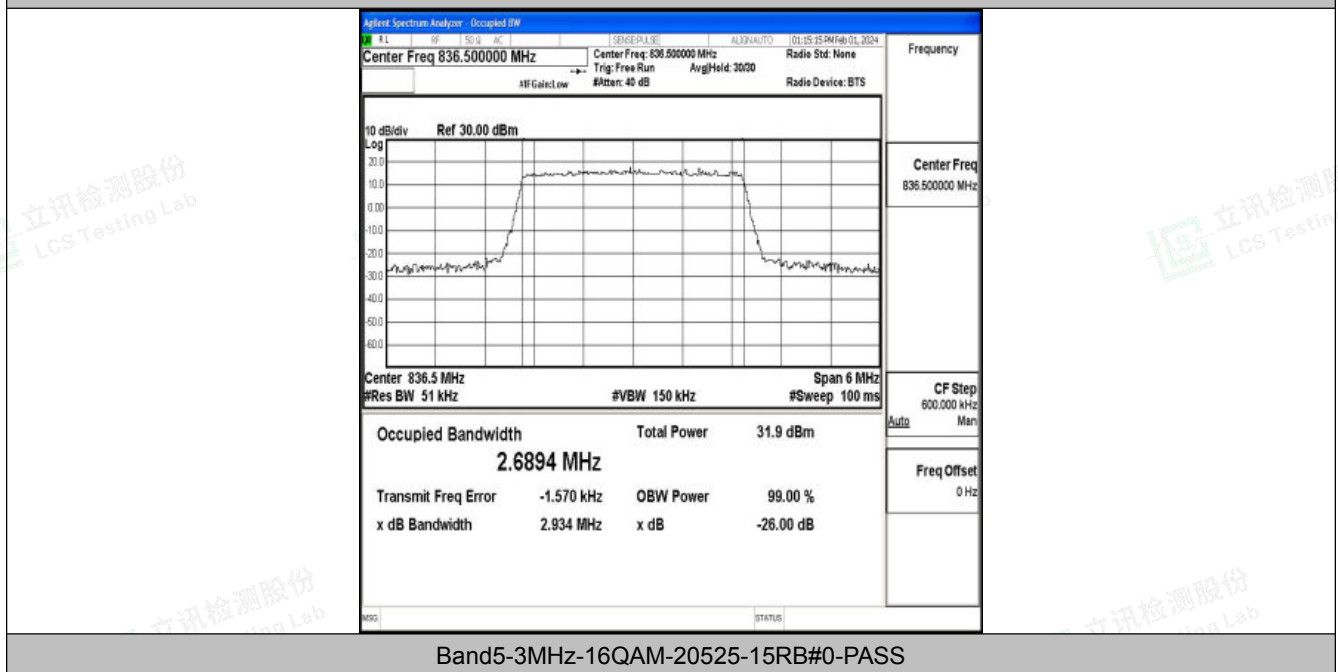
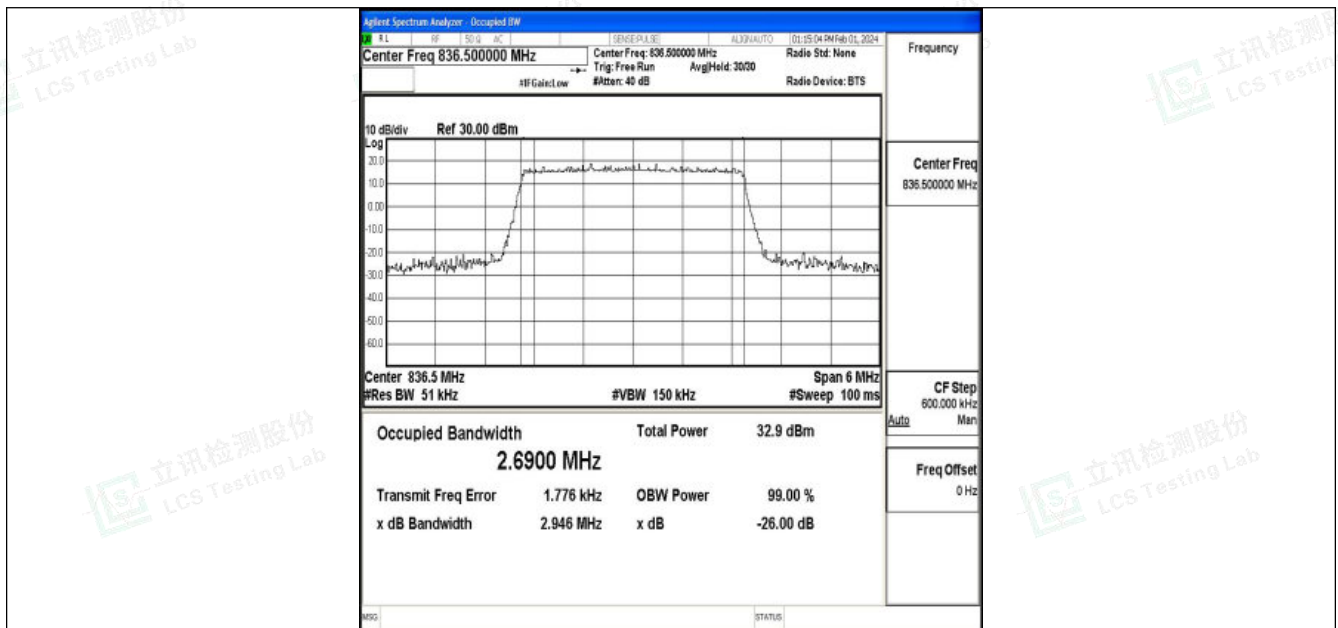


Band5-3MHz-QPSK-20415-15RB#0-PASS



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



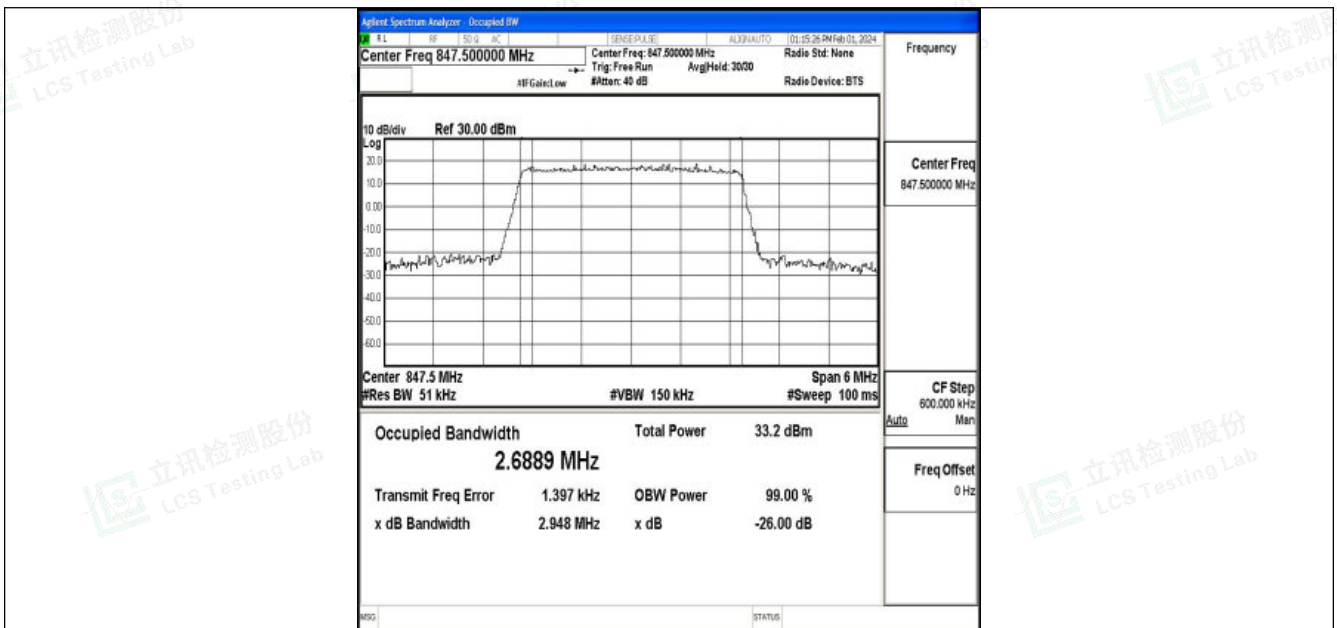


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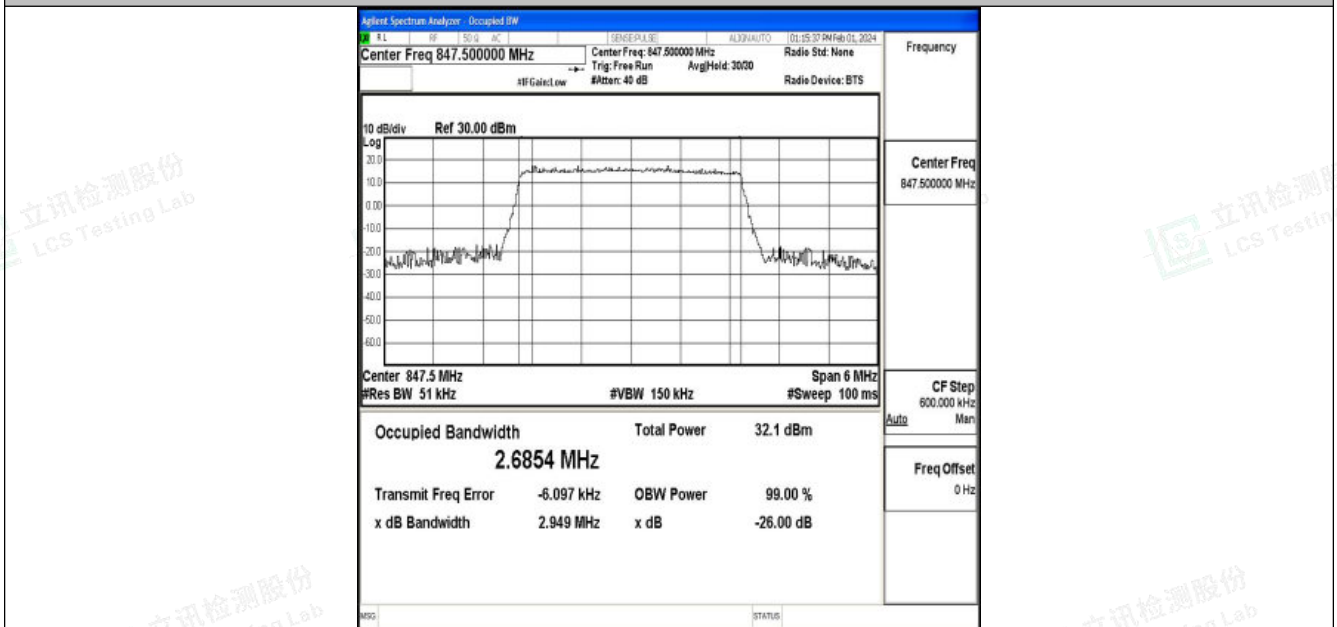
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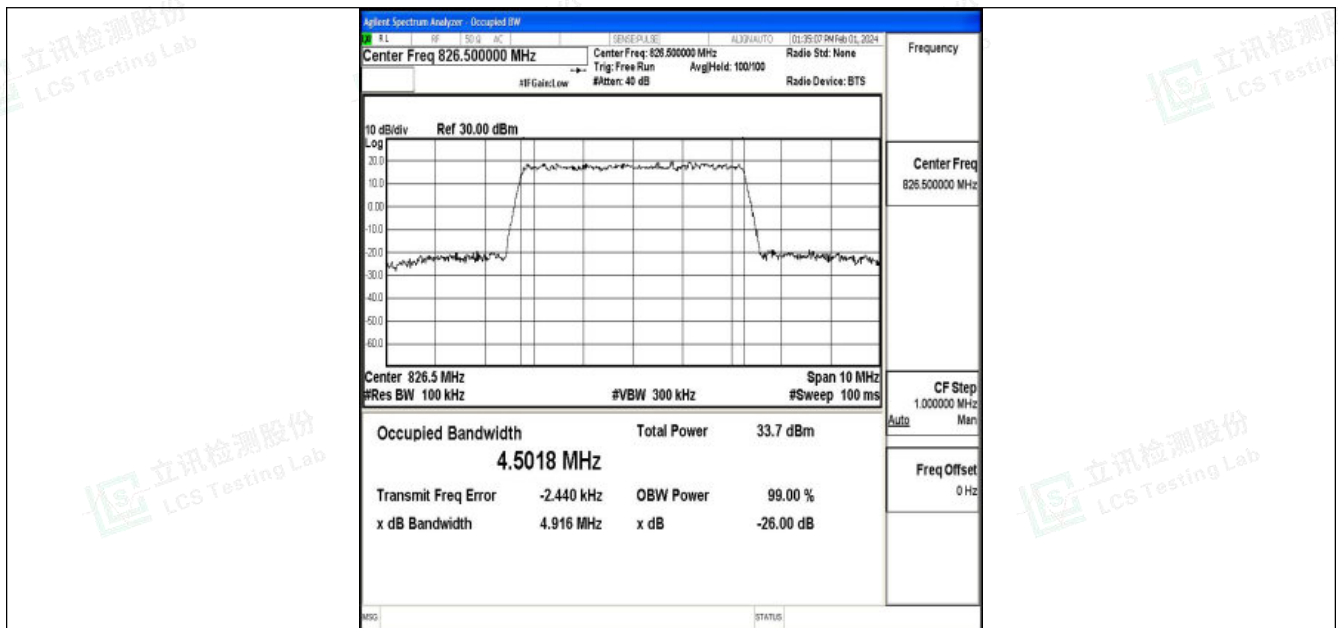


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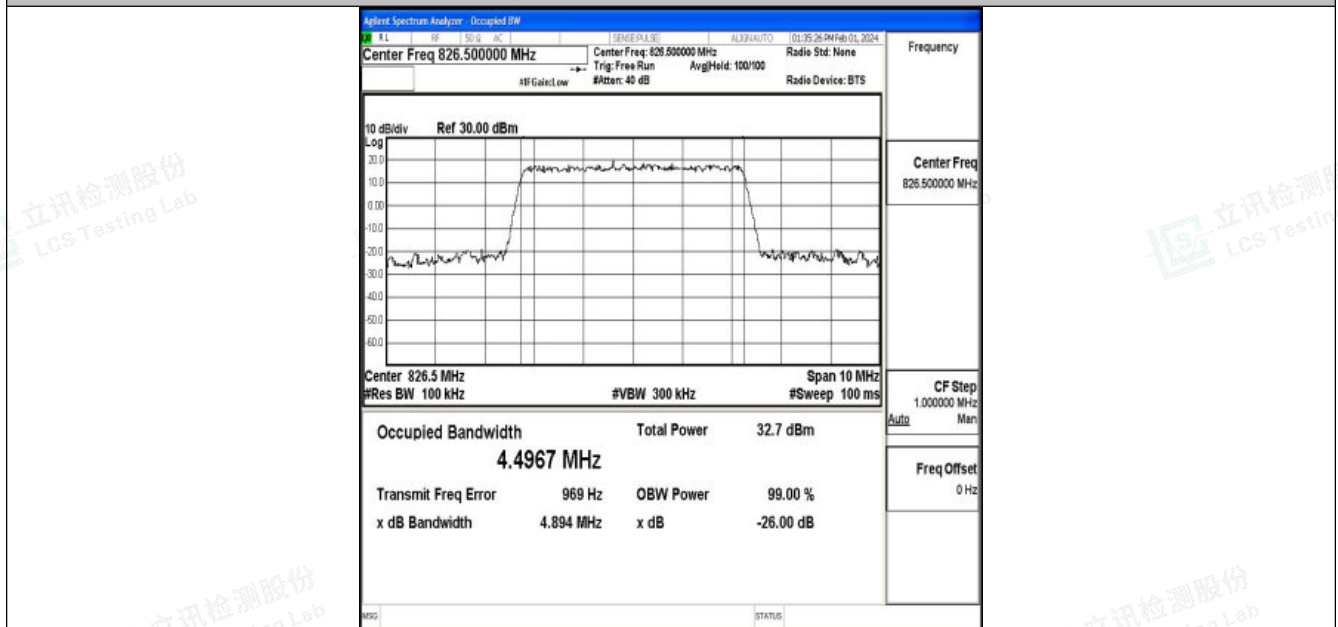


Band5-3MHz-16QAM-20635-15RB#0-PASS



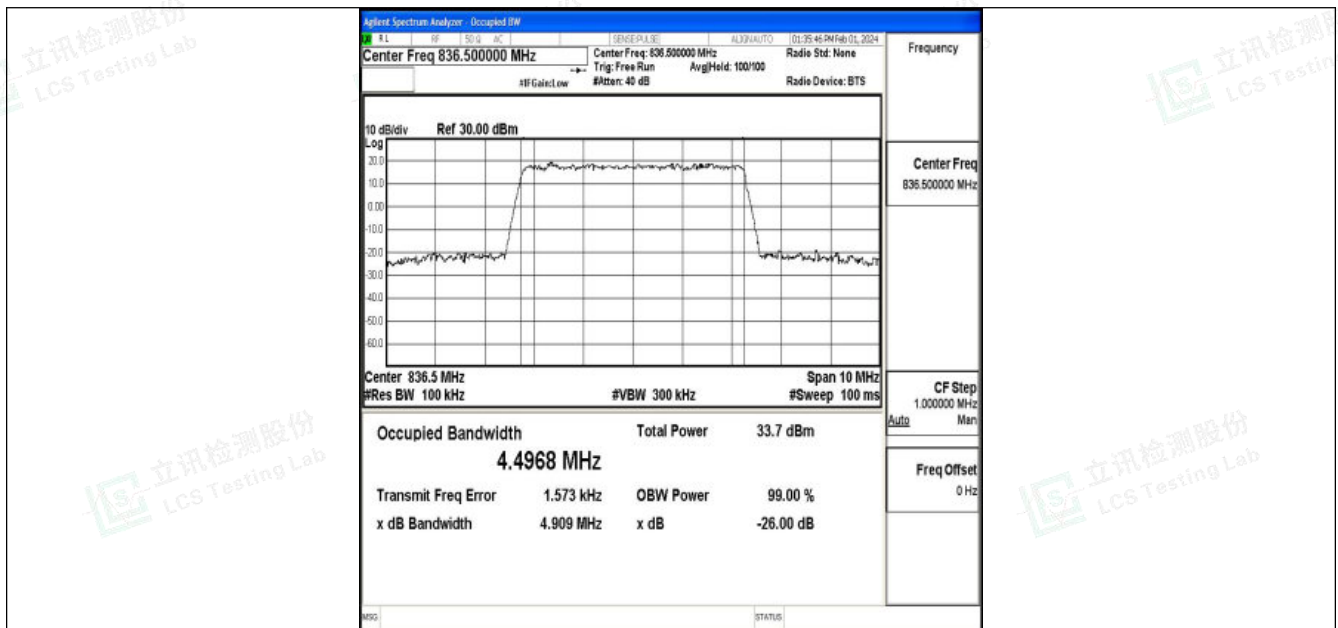


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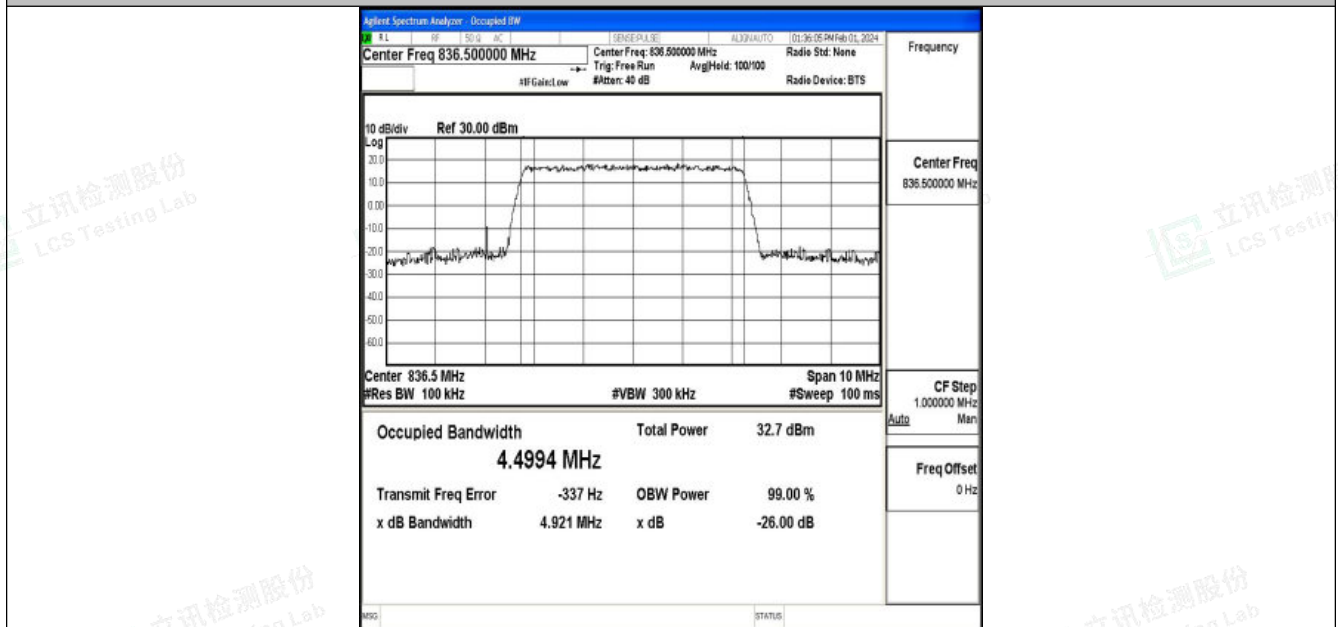


Band5-5MHz-16QAM-20425-25RB#0-PASS



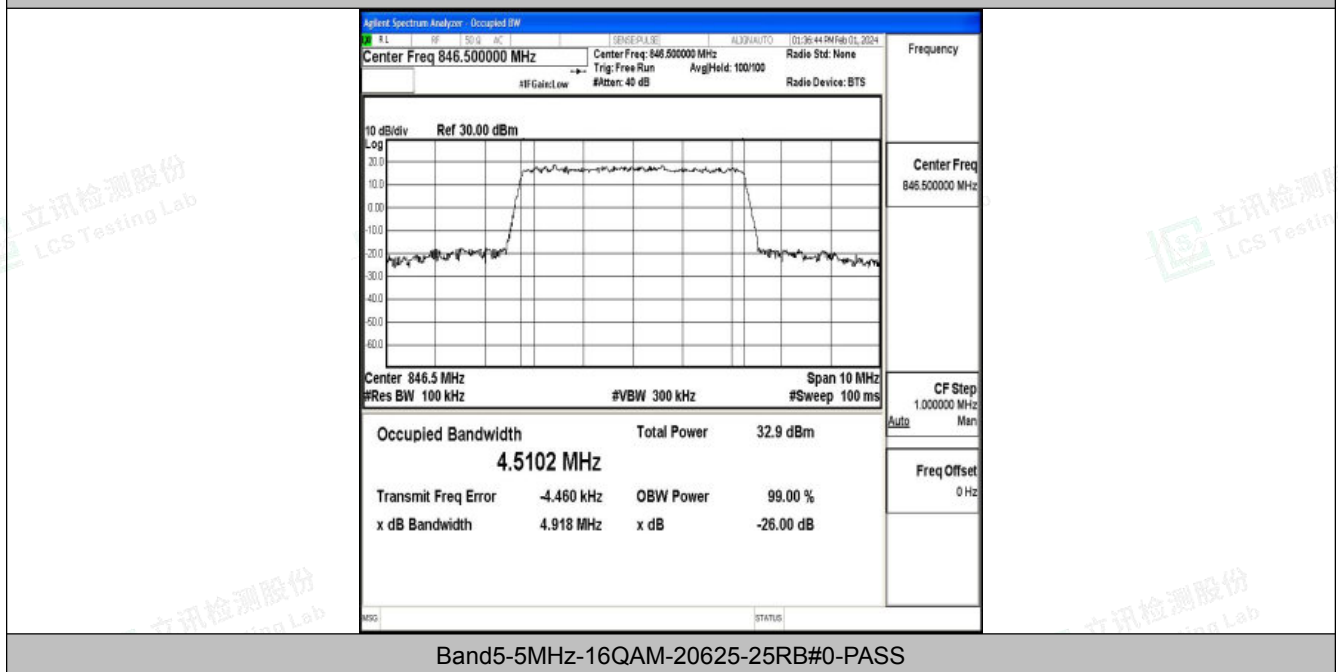
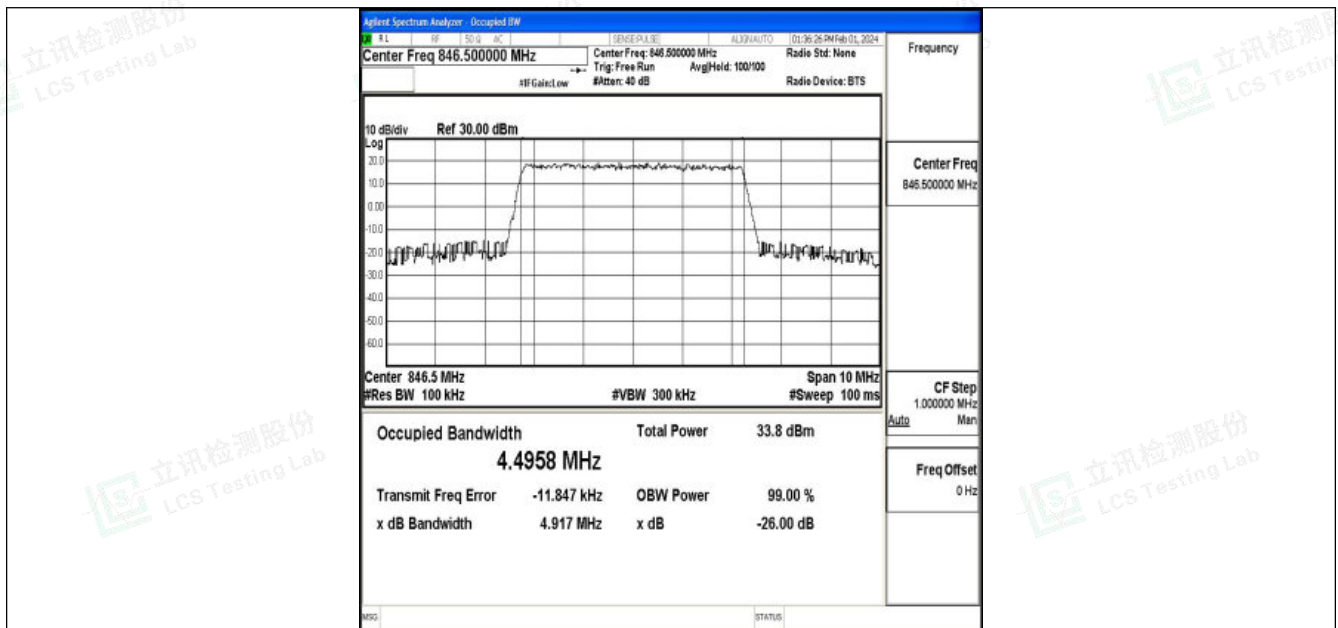


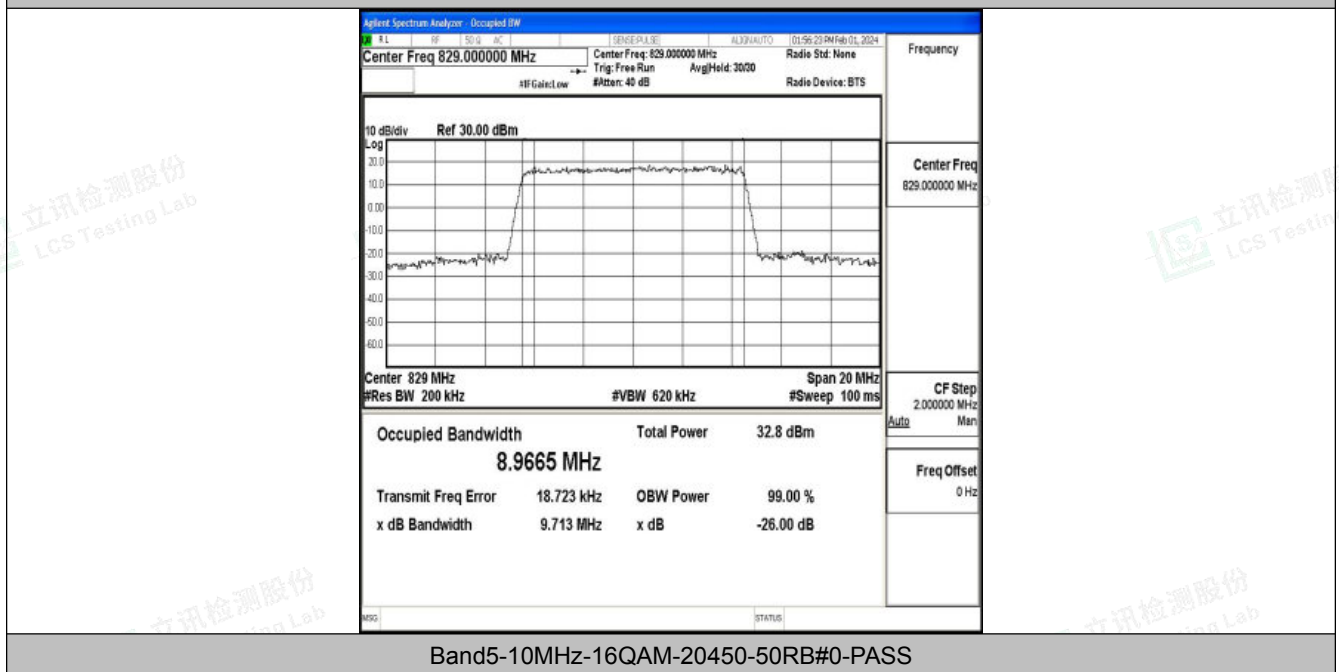
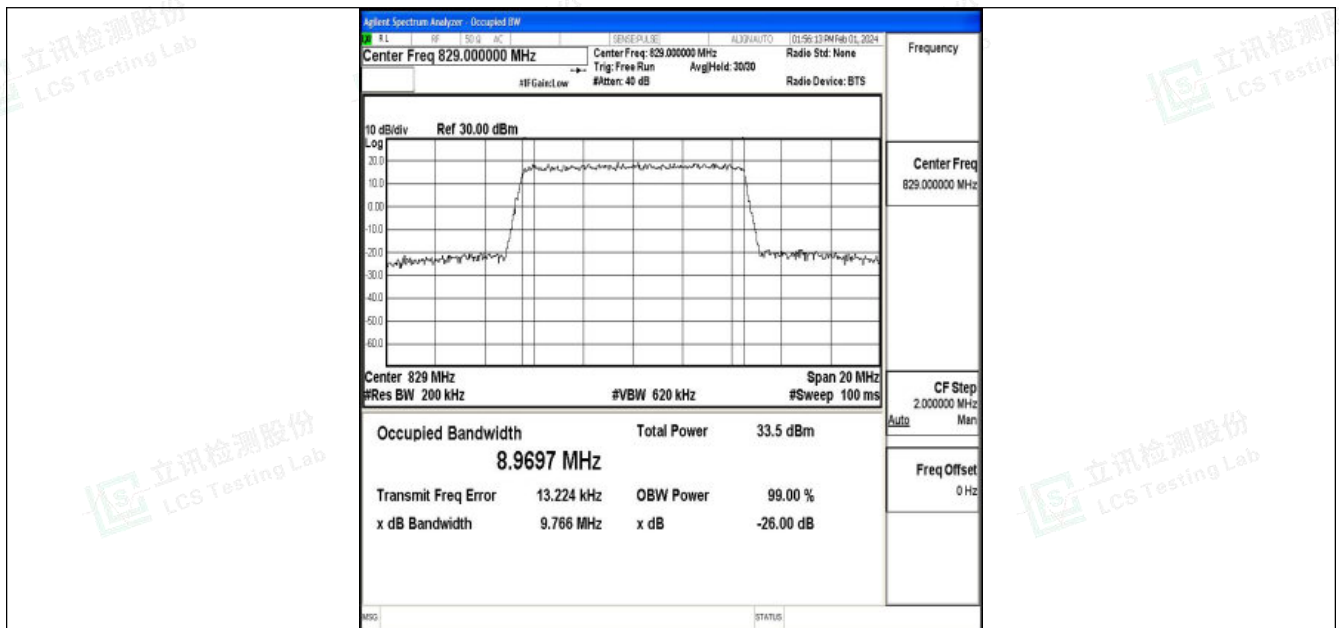
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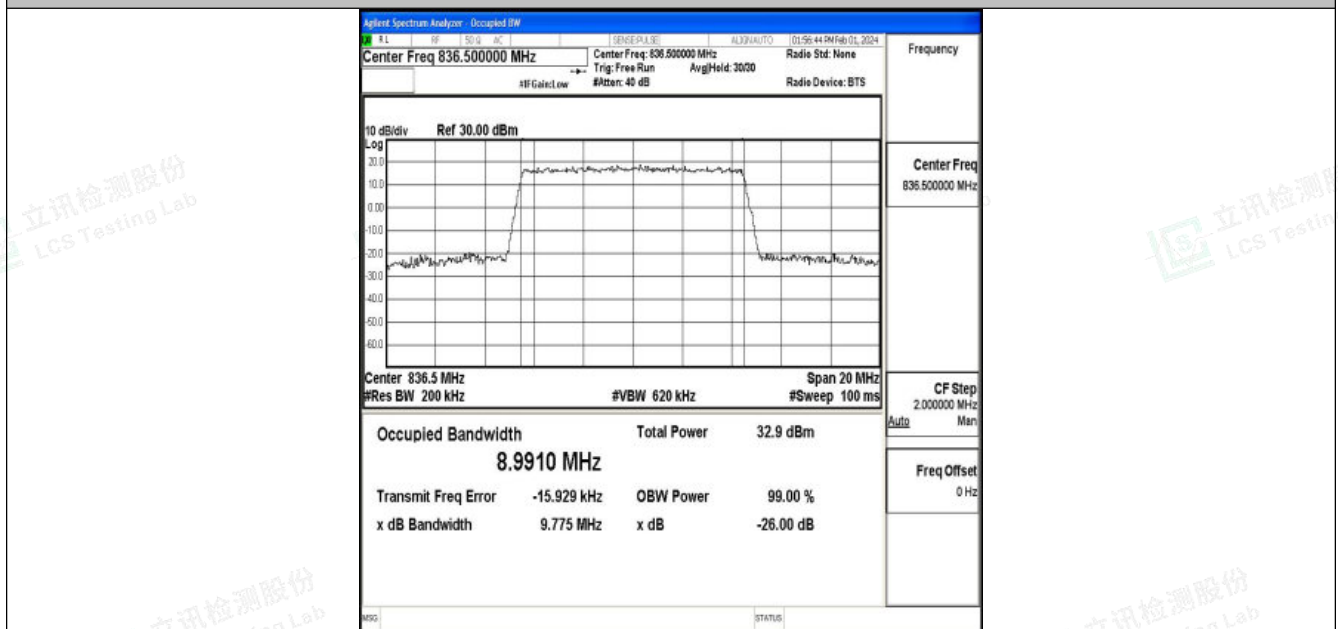
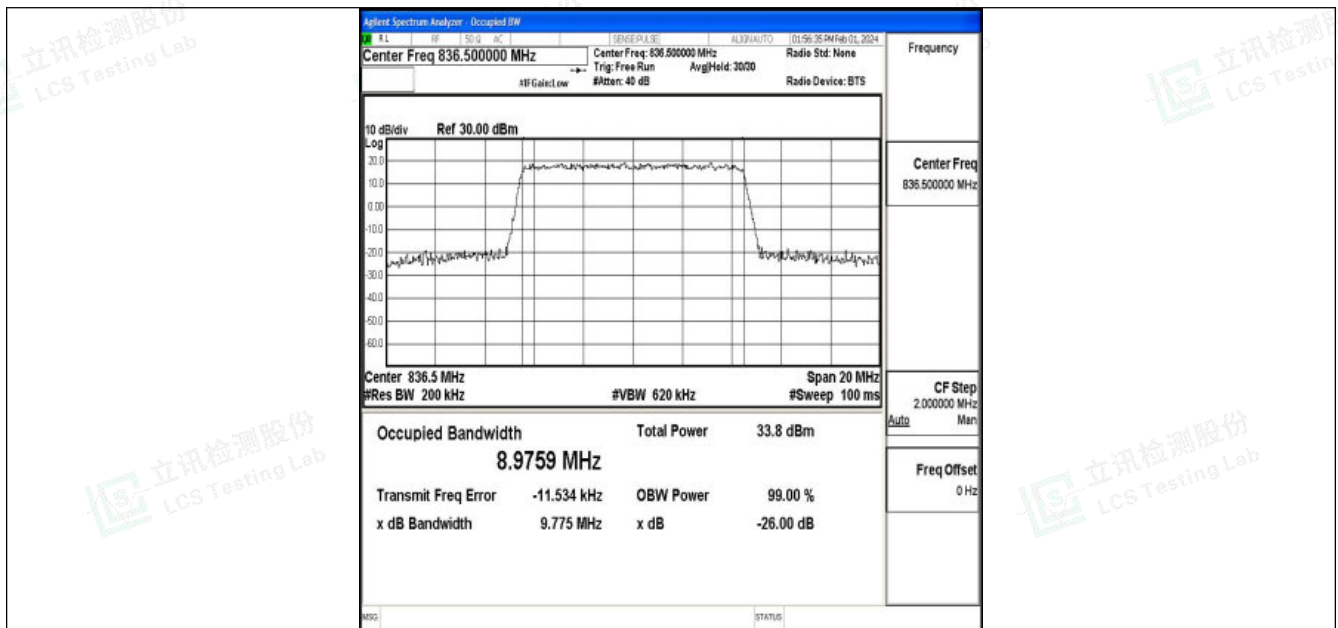


Band5-5MHz-16QAM-20525-25RB#0-PASS







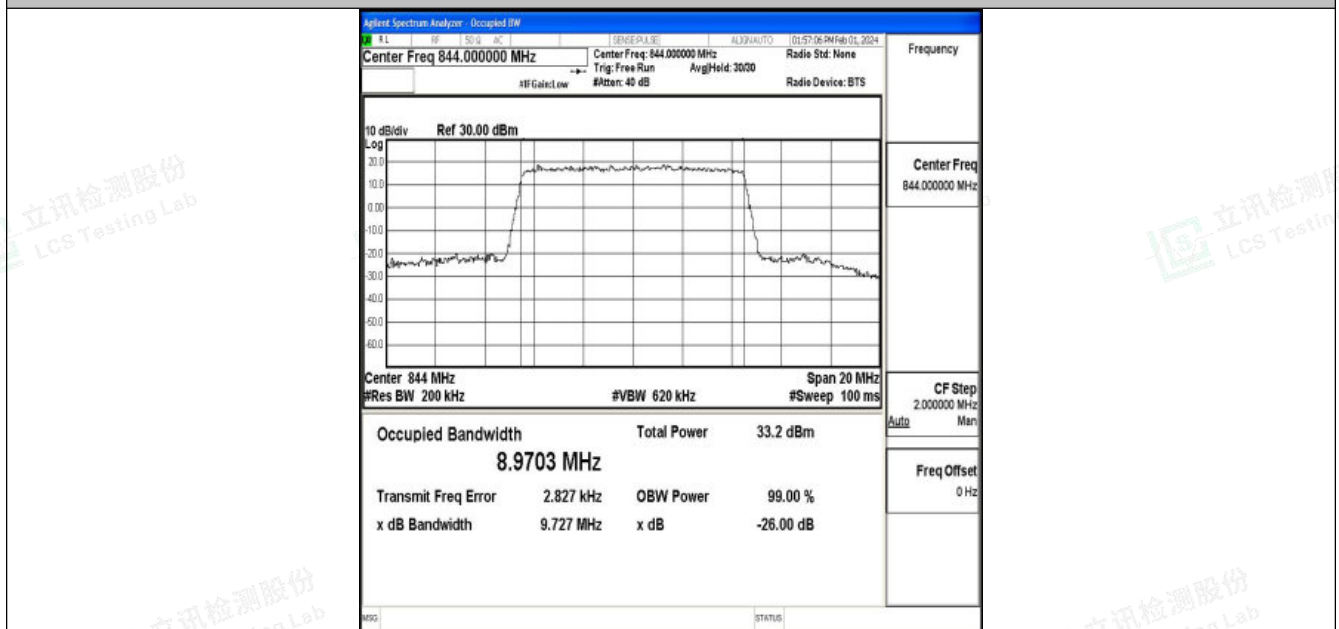
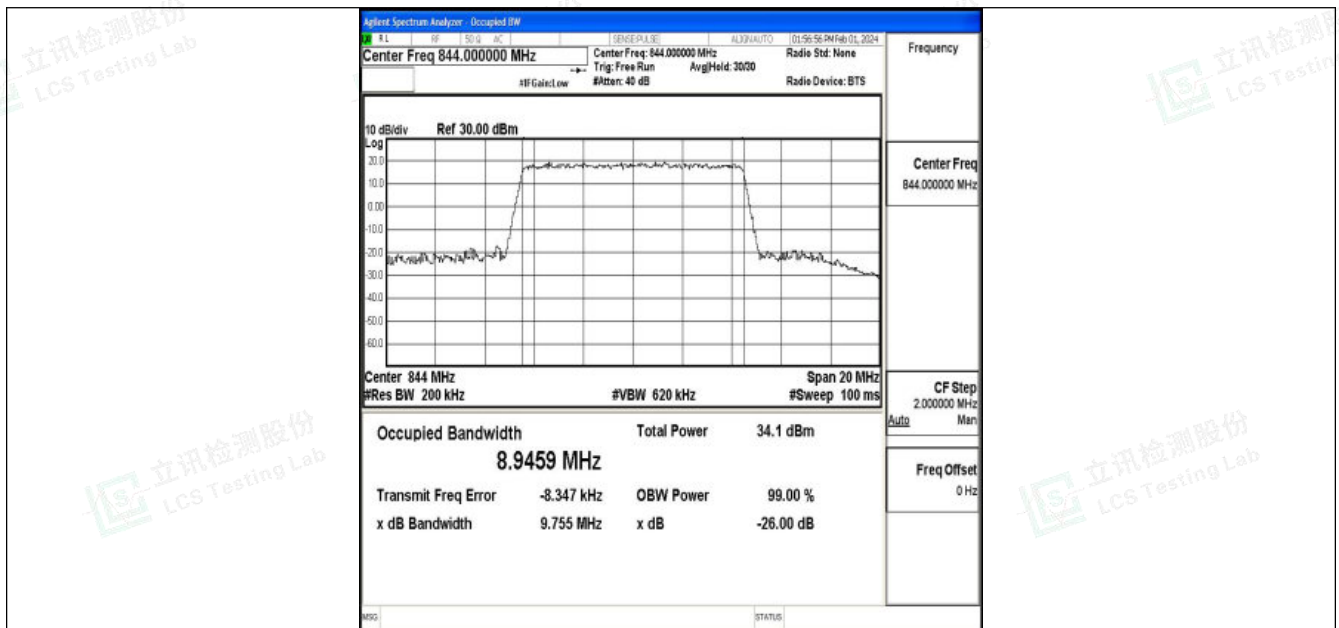


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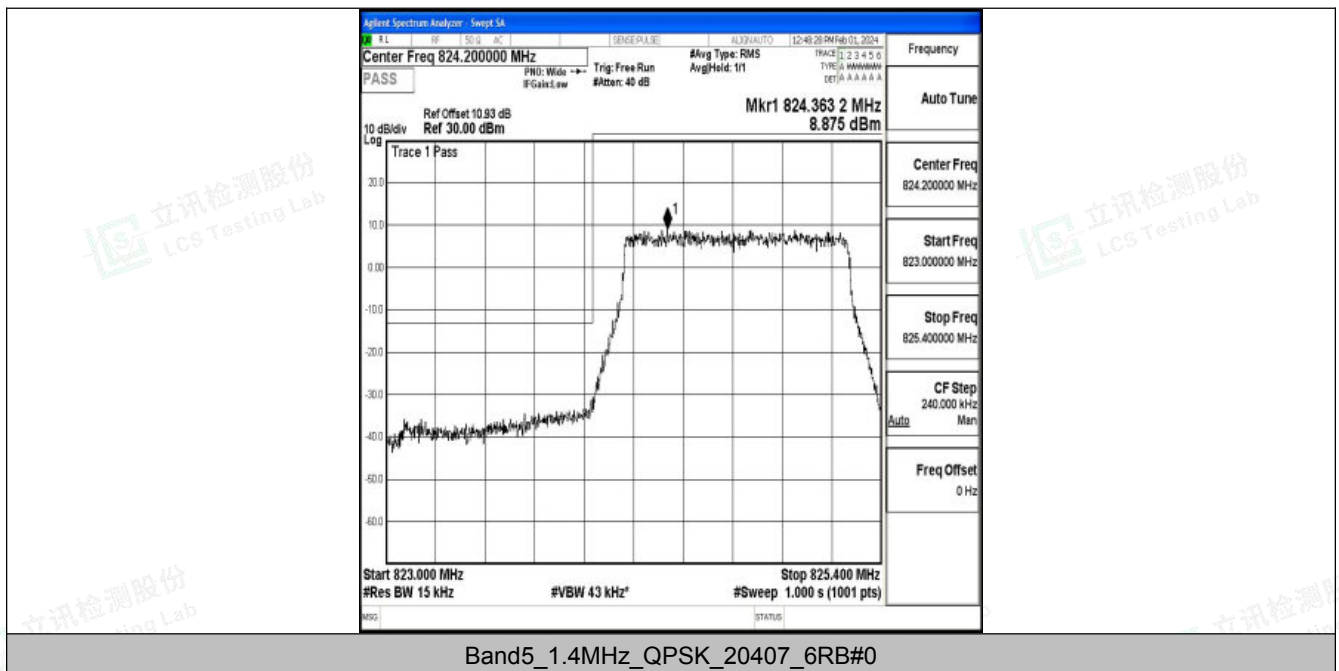


D.4 Band Edge

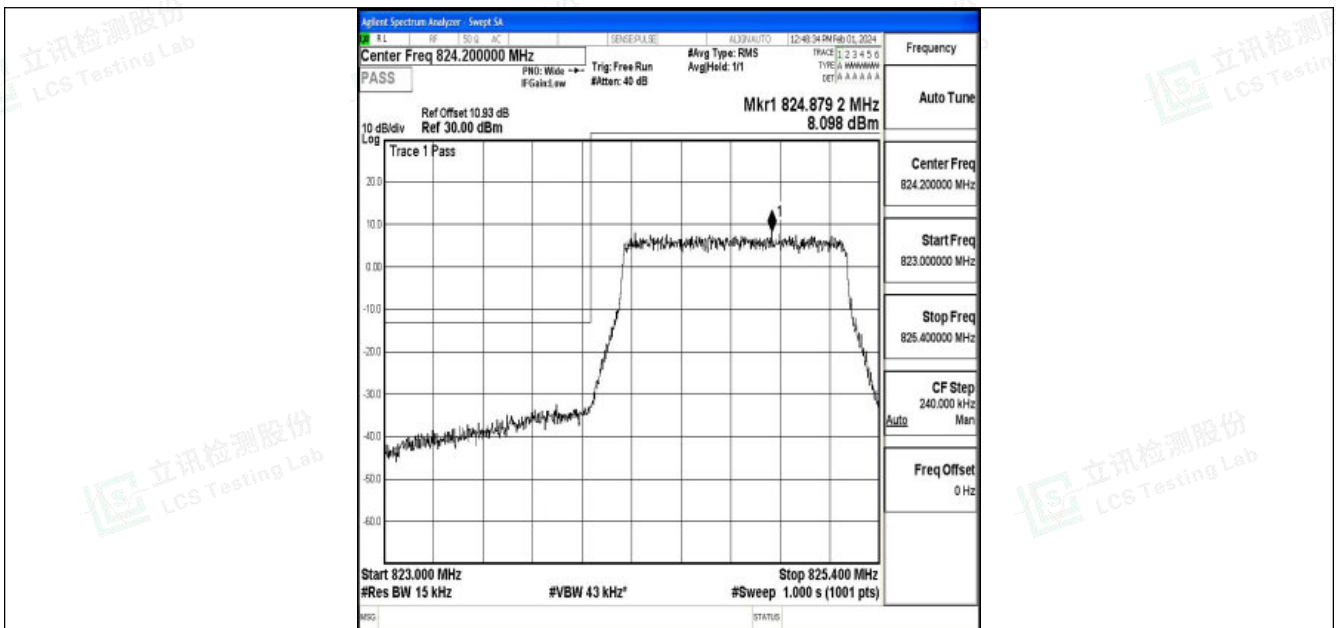
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	824.00	-31.36	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.84	-32.34	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.16	-31.08	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.06	-30.48	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.99	-26.77	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-27.63	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-25.87	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.01	-27.71	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.99	-33.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.98	-33.26	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-32.14	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.01	-32.21	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.97	-34.74	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.96	-35.62	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.18	-34.40	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.07	-34.27	PASS

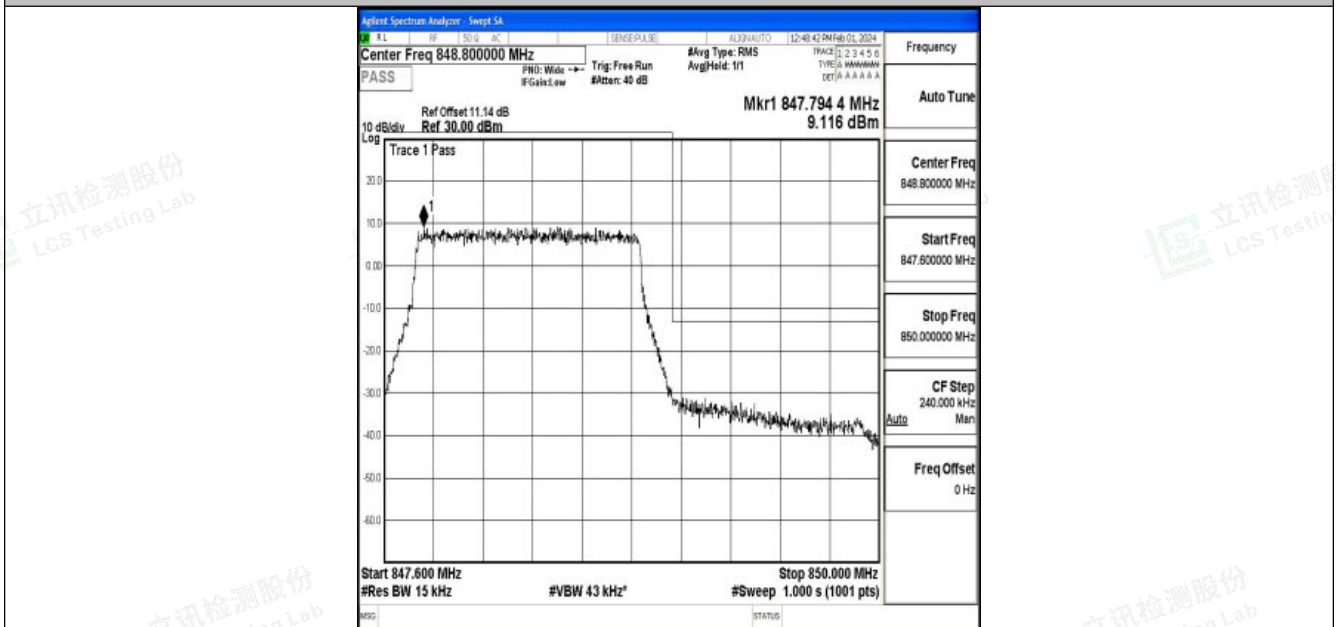
Test Graphs



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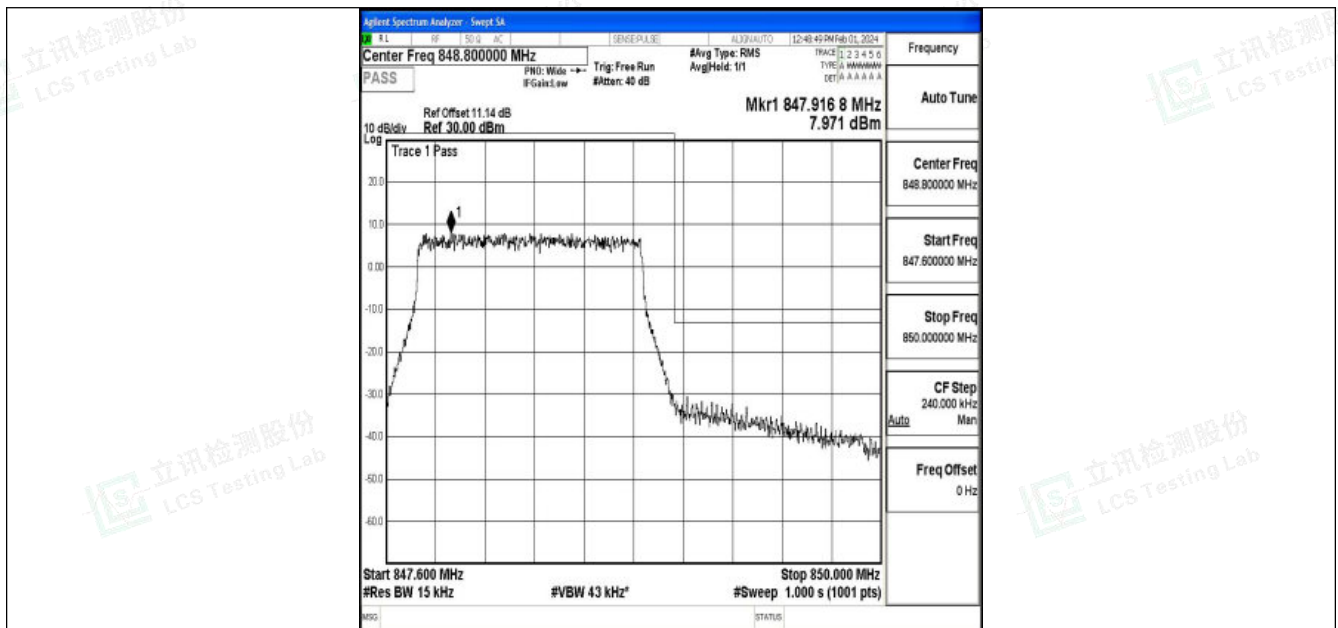


Band5_1.4MHz_16QAM_20407_6RB#0

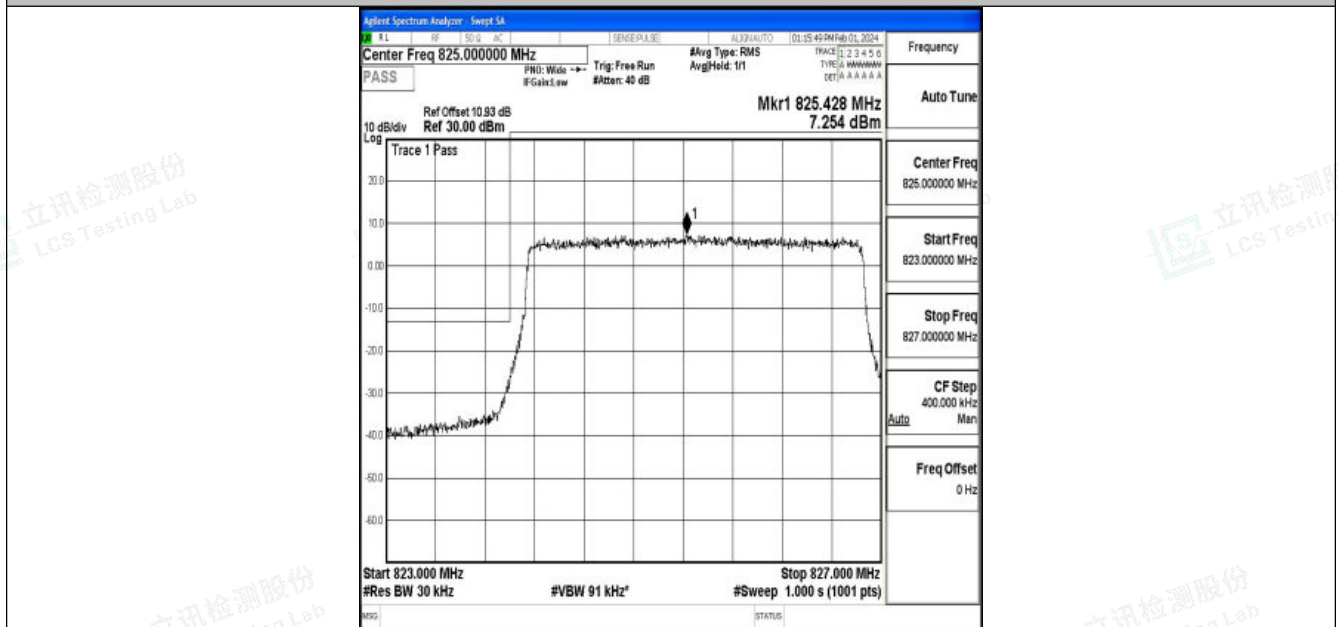


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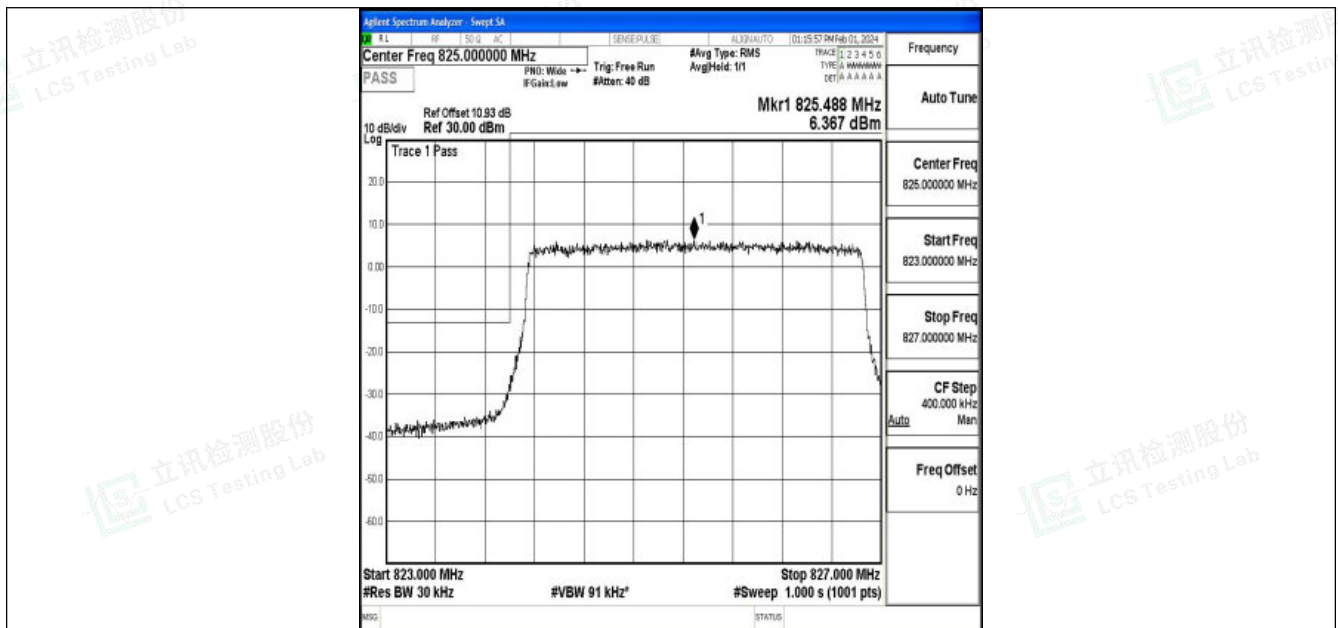


Band5_1.4MHz_16QAM_20643_6RB#0

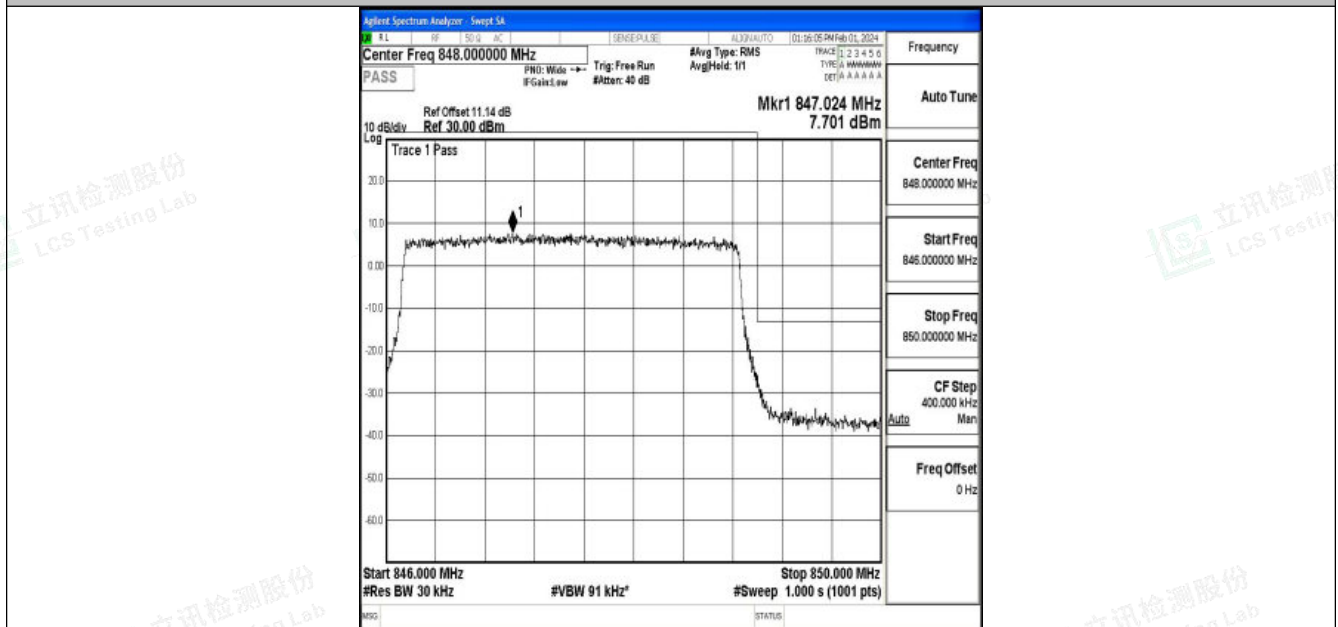


Band5_3MHz_QPSK_20415_15RB#0



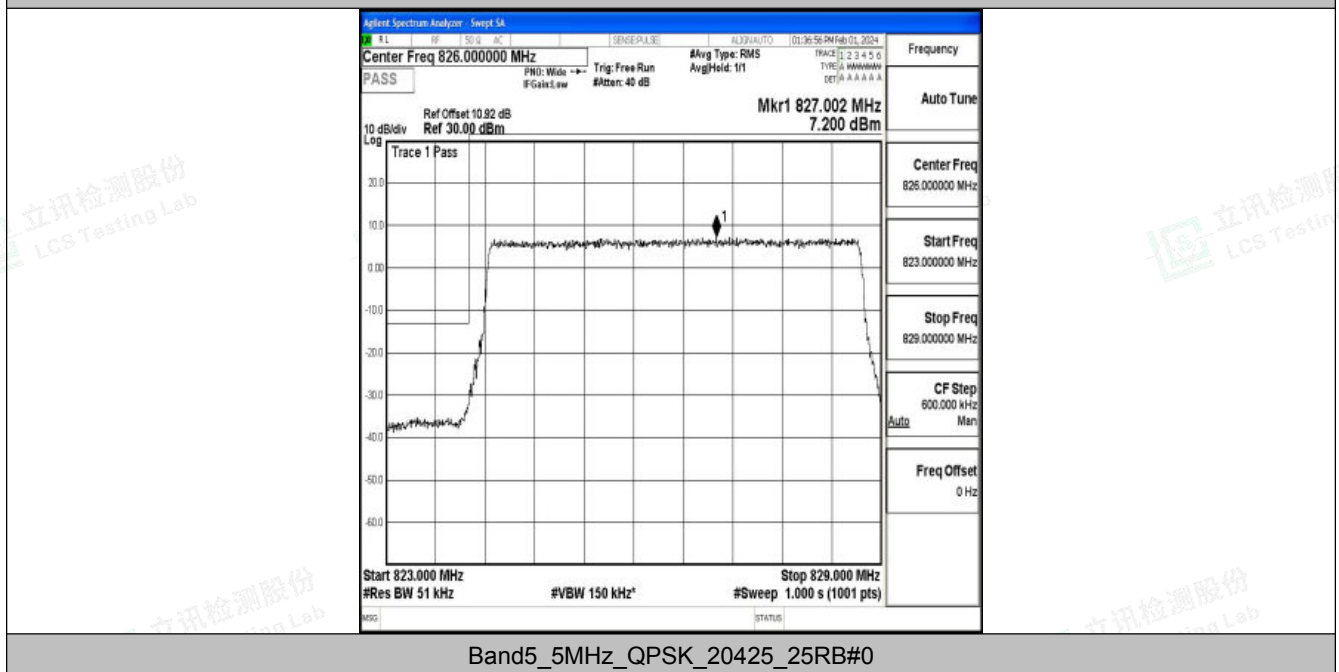
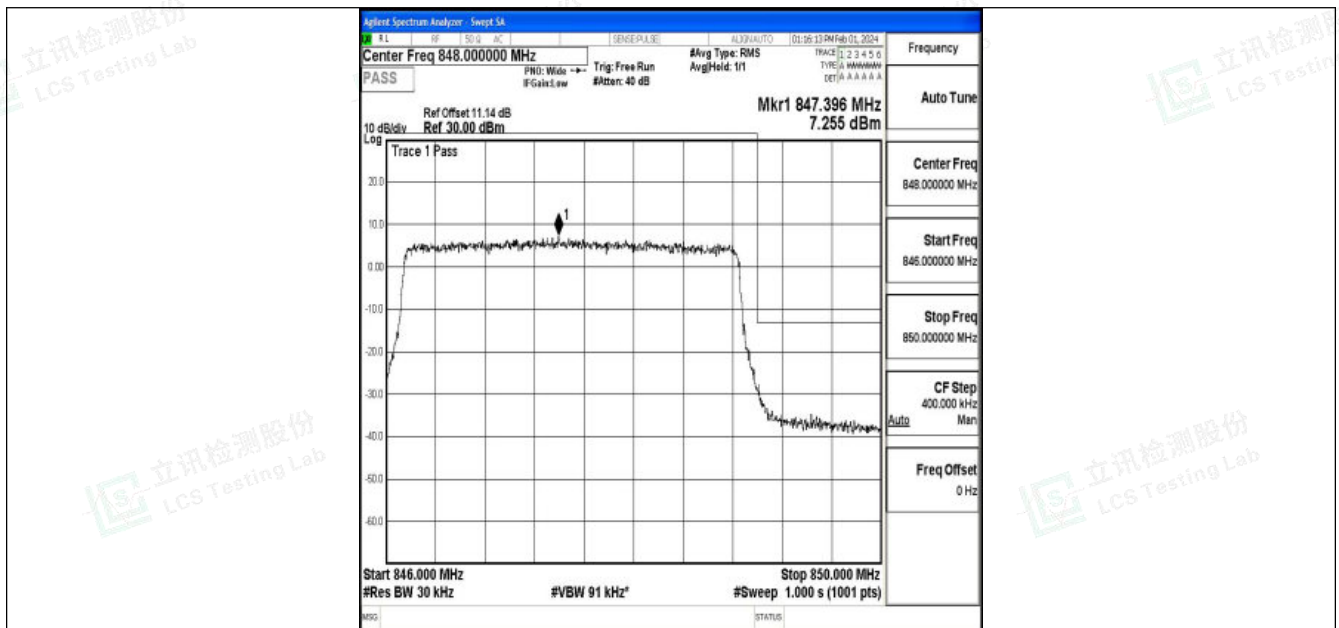


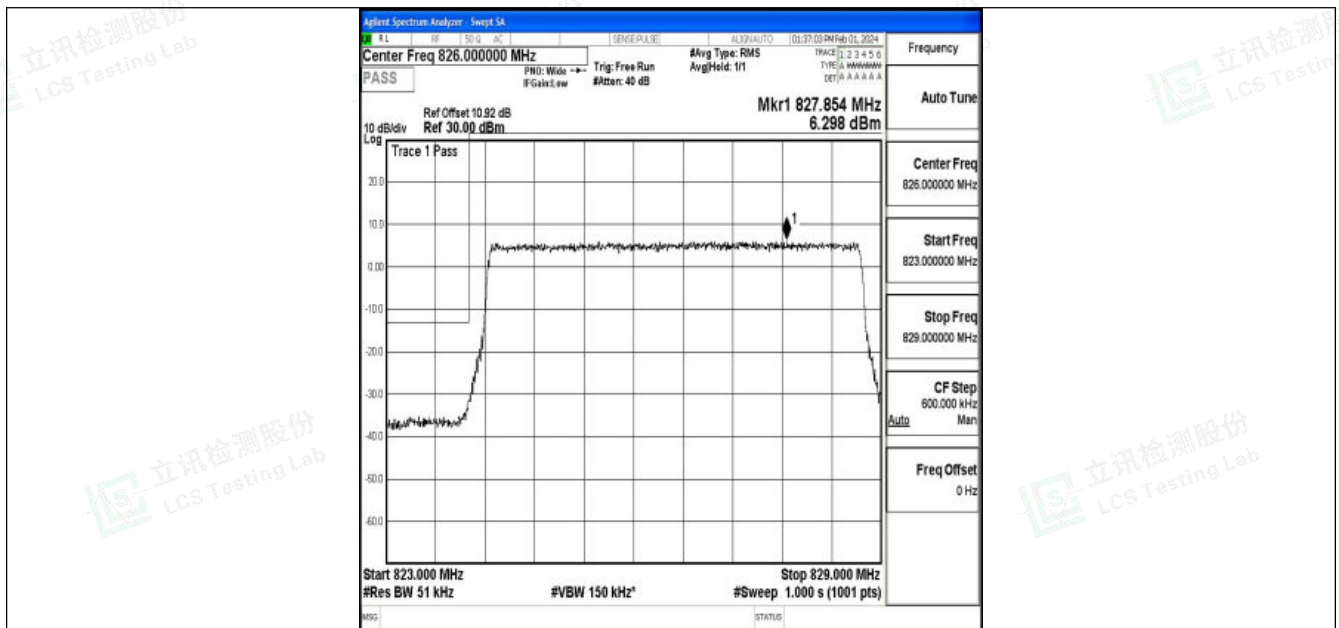
Band5_3MHz_16QAM_20415_15RB#0



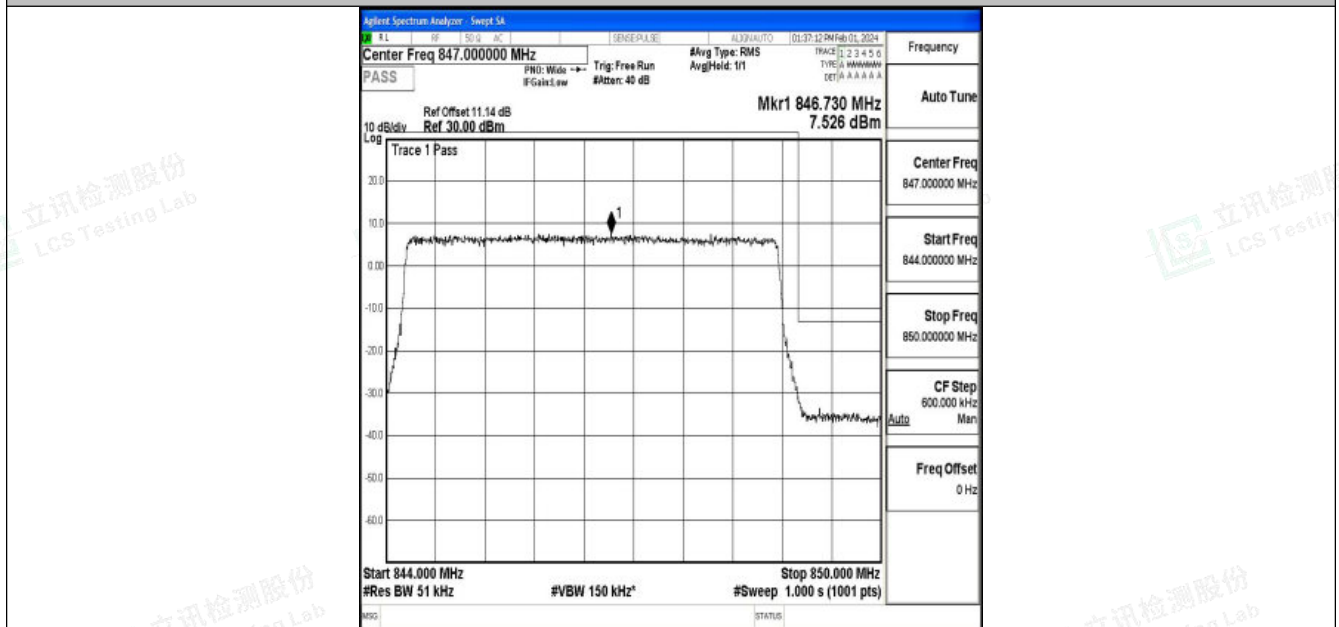
Band5_3MHz_QPSK_20635_15RB#0





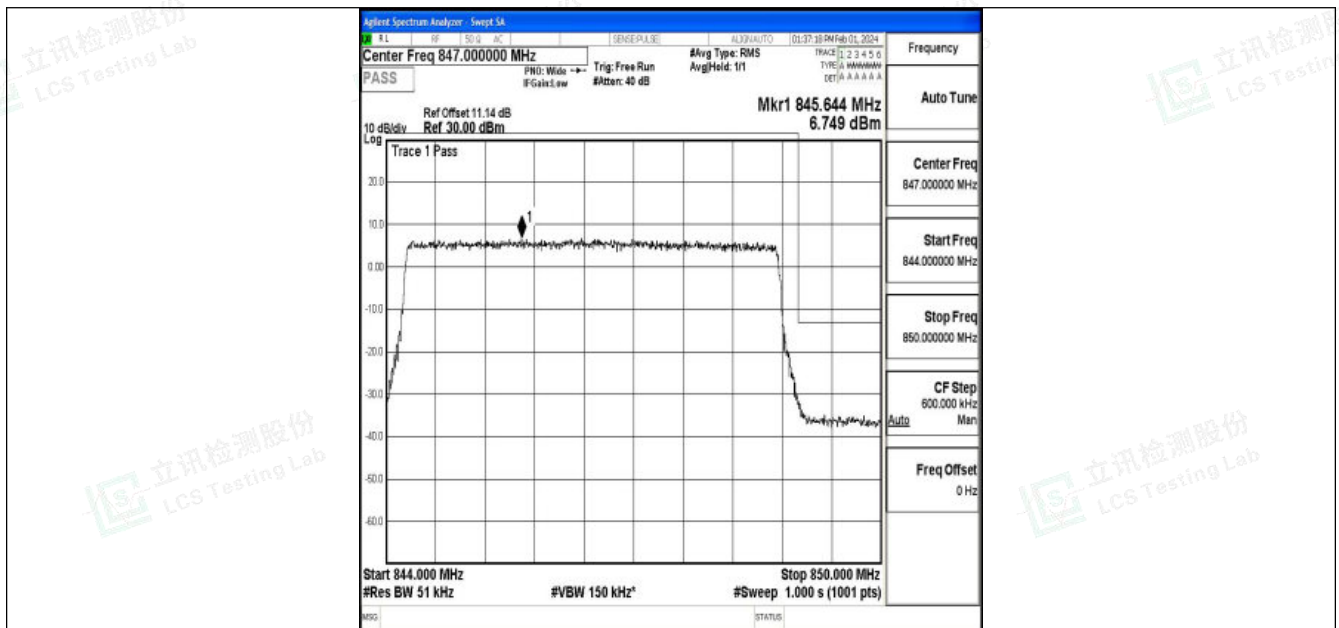


Band5_5MHz_16QAM_20425_25RB#0

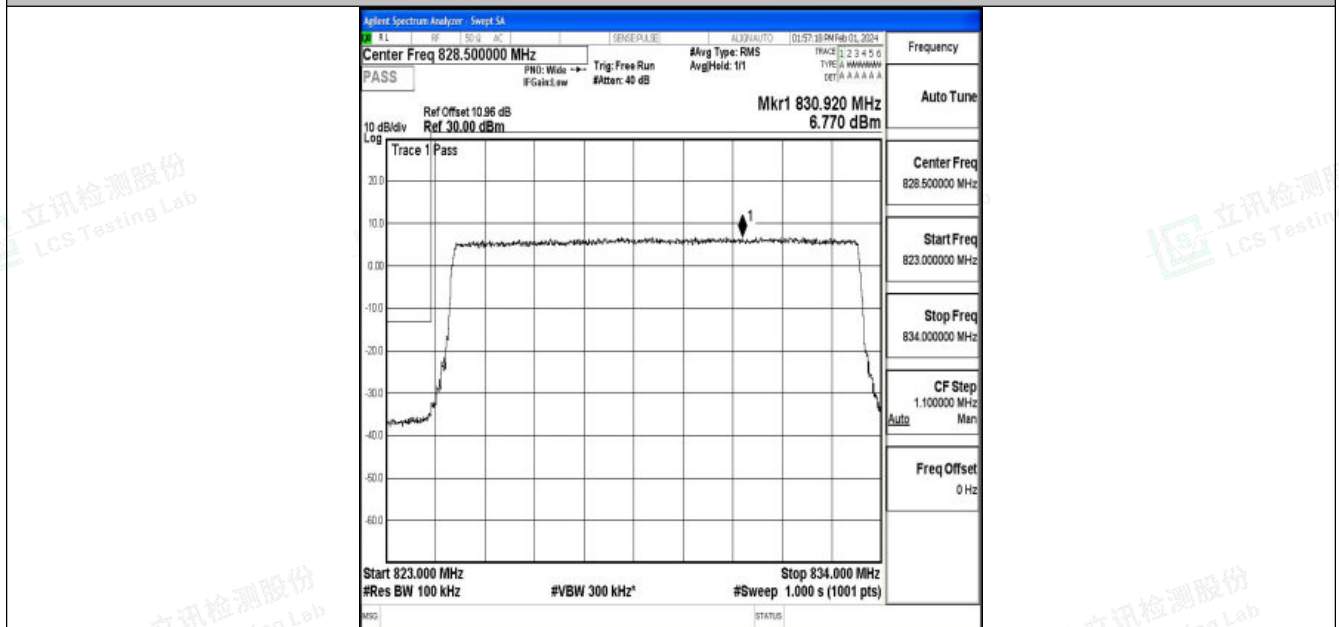


Band5_5MHz_QPSK_20625_25RB#0



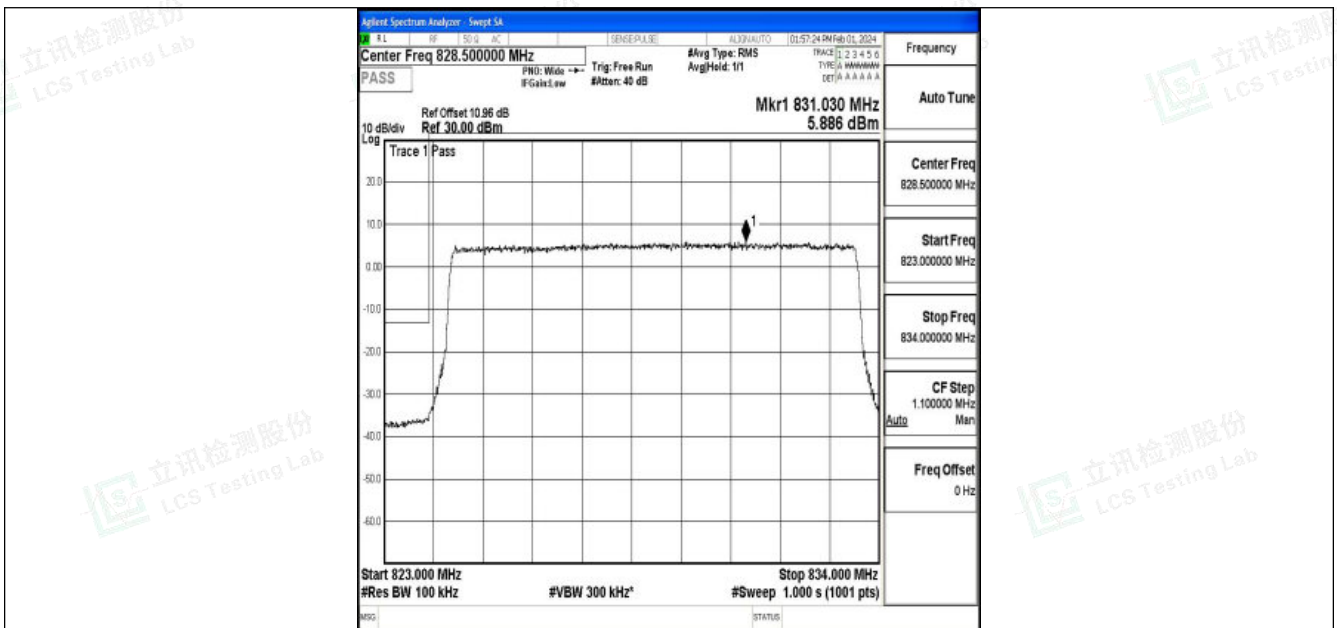


Band5_5MHz_16QAM_20625_25RB#0

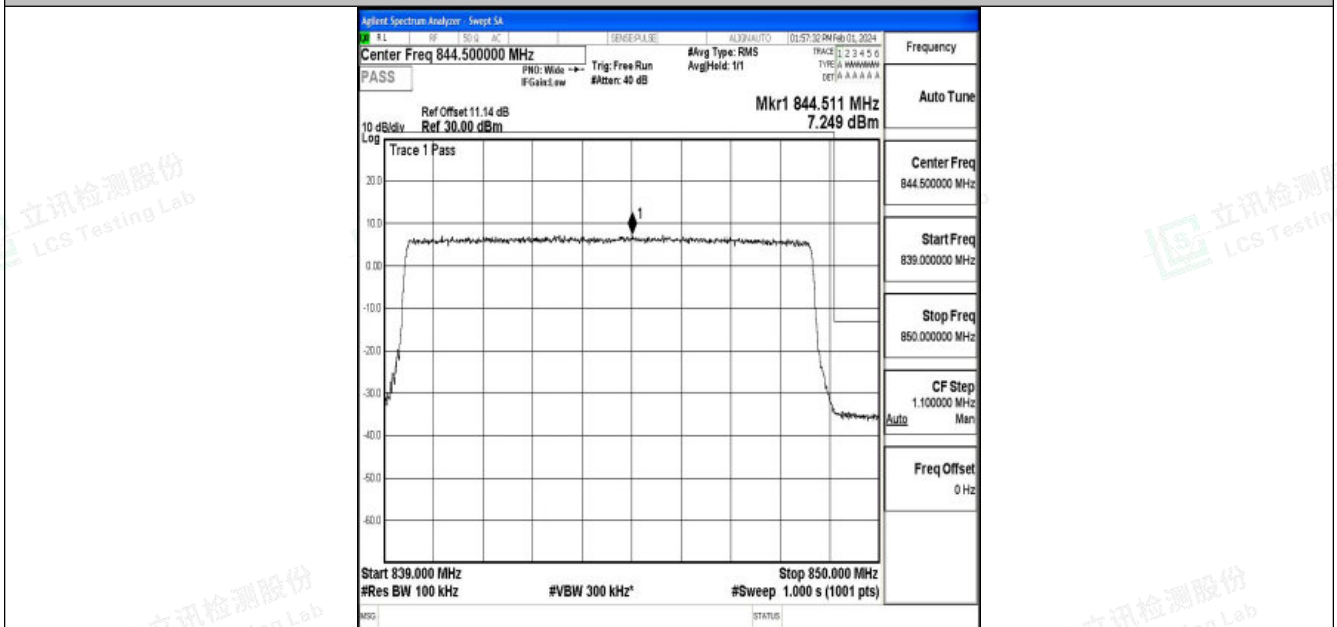


Band5_10MHz_QPSK_20450_50RB#0



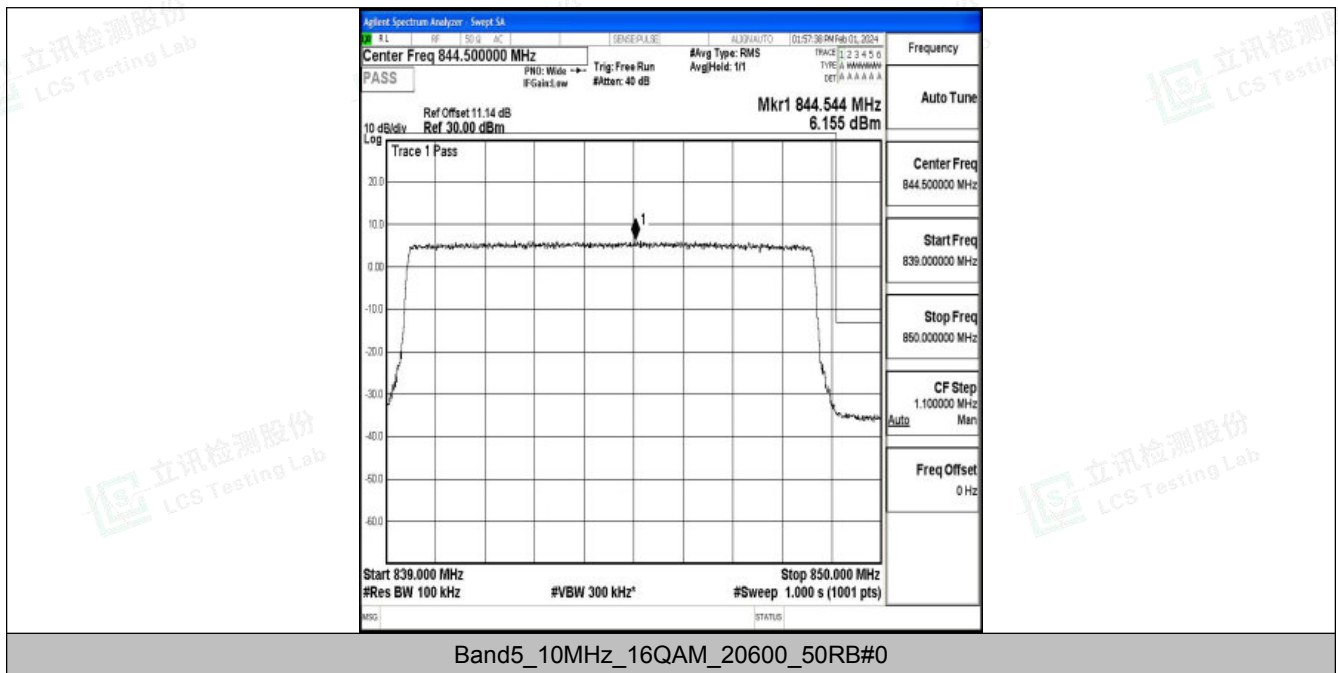


Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0







D.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-54.04	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-47.76	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-46.07	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-21.82	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-39.68	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-55.94	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-47.88	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-47.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-21.75	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-40.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-52.76	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-50.03	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-47.87	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-22.48	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-39.99	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-53.42	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-48.00	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-48.69	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-24.18	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-40.29	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-52.42	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-47.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-46.53	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-24.79	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-40.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-52.33	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-47.11	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-47.19	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-23.73	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-39.97	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-52.22	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-47.98	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-52.90	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-21.54	PASS



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Scan code to check authenticity



Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-40.05	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-56.53	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-50.40	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-52.51	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-22.10	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-40.15	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-54.52	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-49.73	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-51.97	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-23.11	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-40.16	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-54.79	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-49.93	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-52.04	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-23.13	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-39.82	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-52.06	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-49.48	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-52.85	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-22.94	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-40.12	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-52.99	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-48.39	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-53.51	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-24.73	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-40.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-54.67	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-47.13	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-58.67	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-22.49	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-39.96	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-56.91	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-47.86	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-58.61	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-22.96	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-40.15	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-53.78	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-47.66	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-58.54	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-22.12	PASS



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Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-40.26	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-53.11	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-47.26	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-58.66	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-23.46	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-39.86	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-55.58	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-48.10	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-58.58	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-24.80	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-40.04	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-53.49	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-48.63	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-58.82	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-24.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-39.47	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-53.22	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-49.08	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-58.18	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-21.76	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-39.92	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-52.61	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-48.82	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-58.10	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-21.37	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-39.94	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-55.46	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-49.01	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-58.08	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-21.72	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-39.74	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-52.91	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-48.73	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-58.16	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-21.47	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-40.18	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-54.07	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-48.93	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-58.06	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-22.68	PASS



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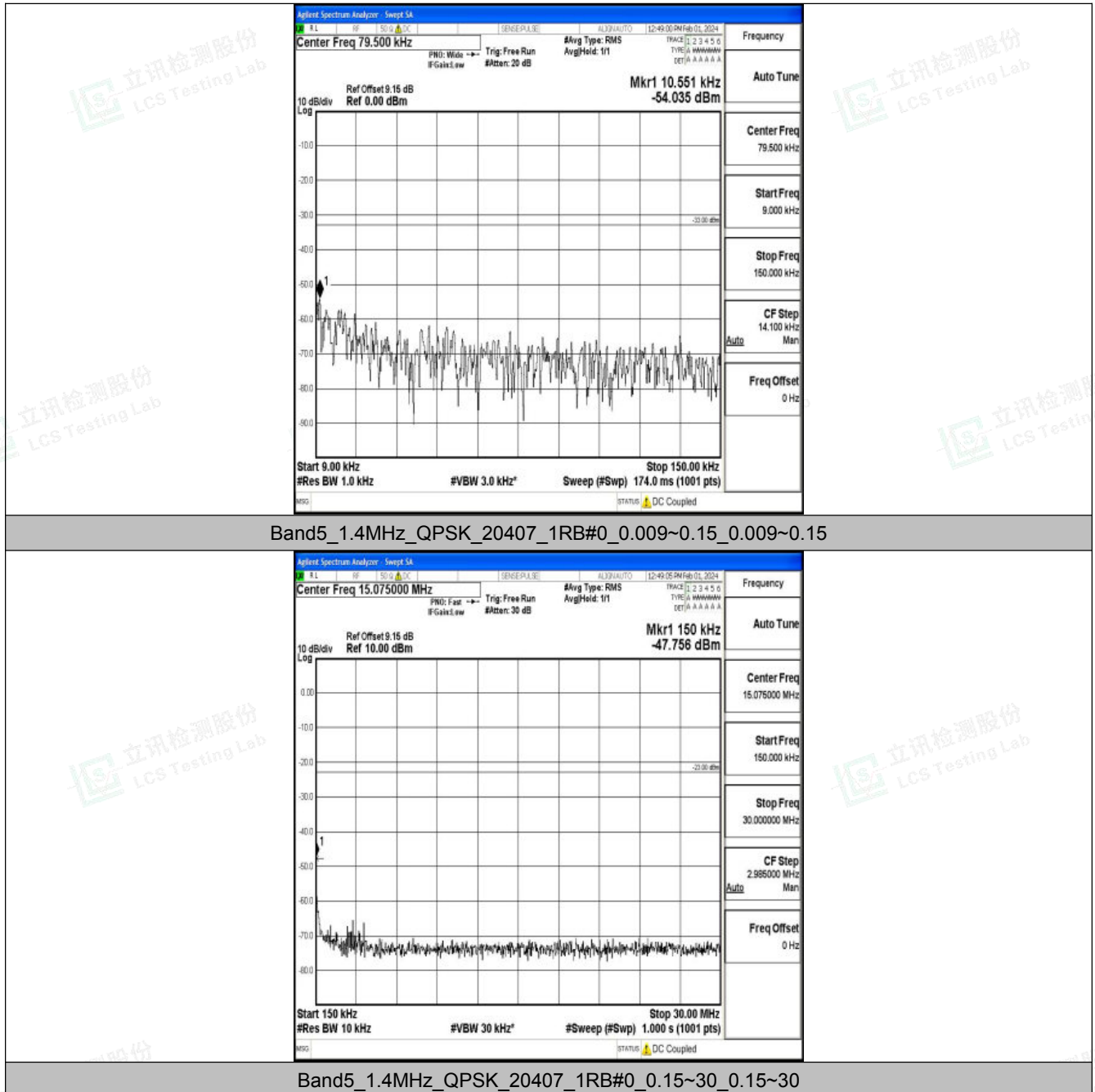
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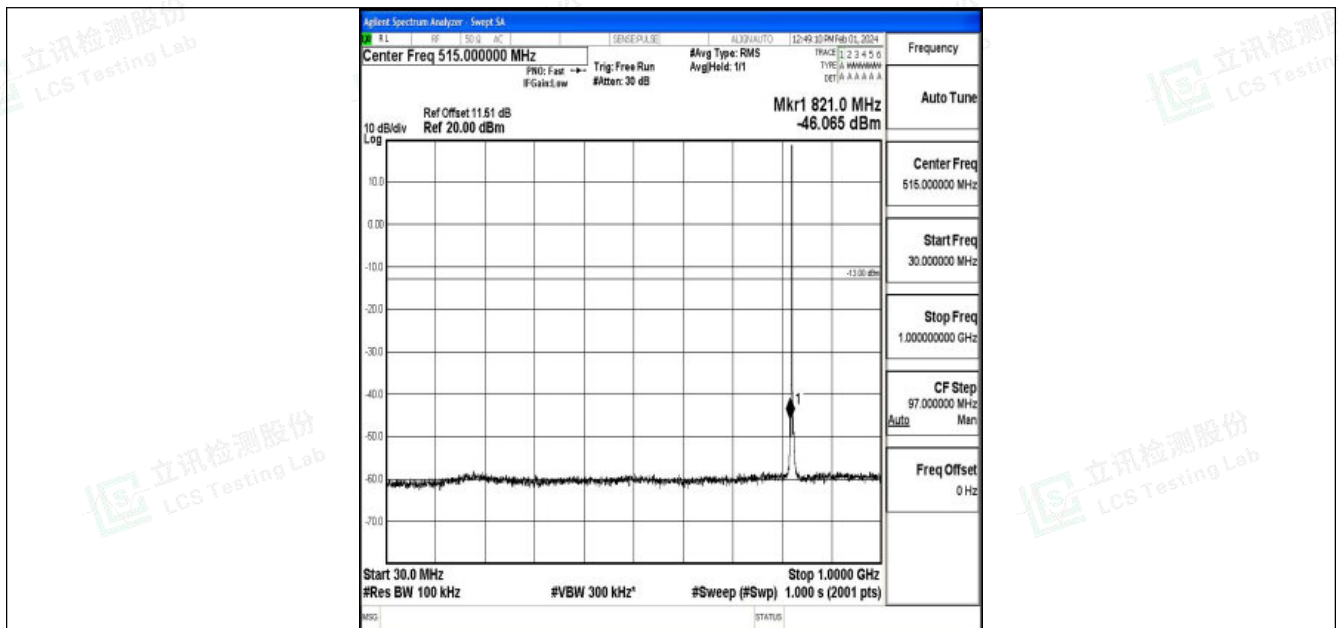
Scan code to check authenticity



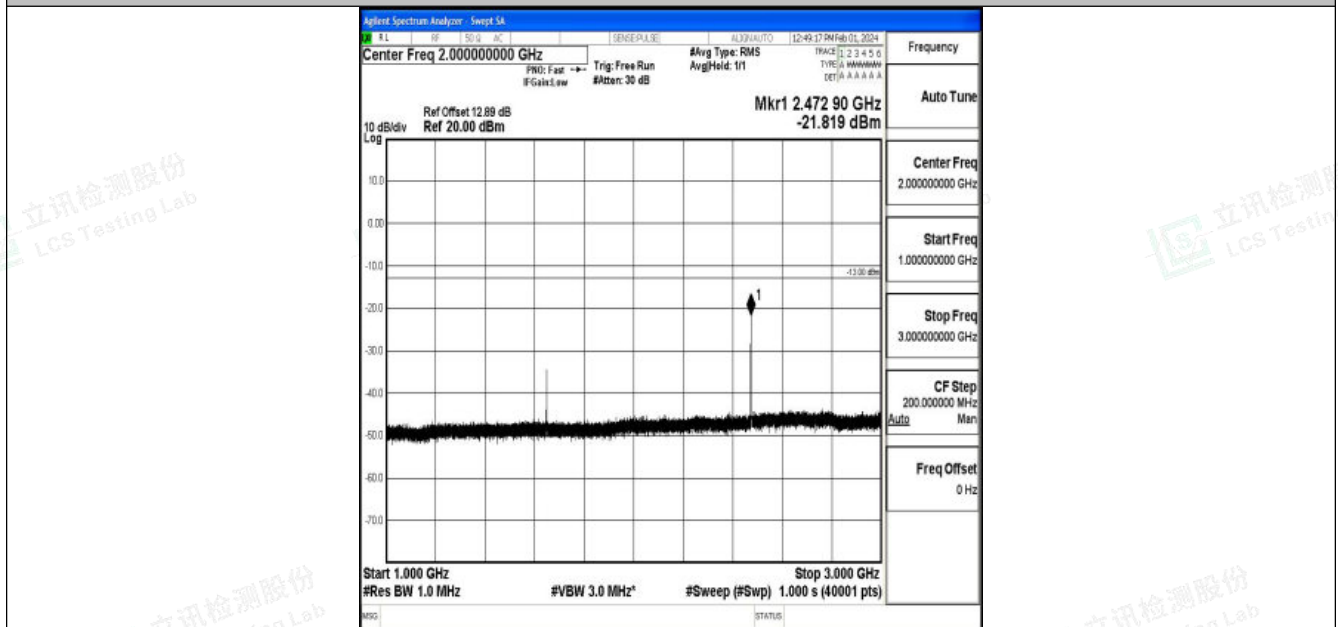
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-40.11	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-50.16	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-47.77	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-58.13	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-24.08	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-40.31	PASS

Test Graphs



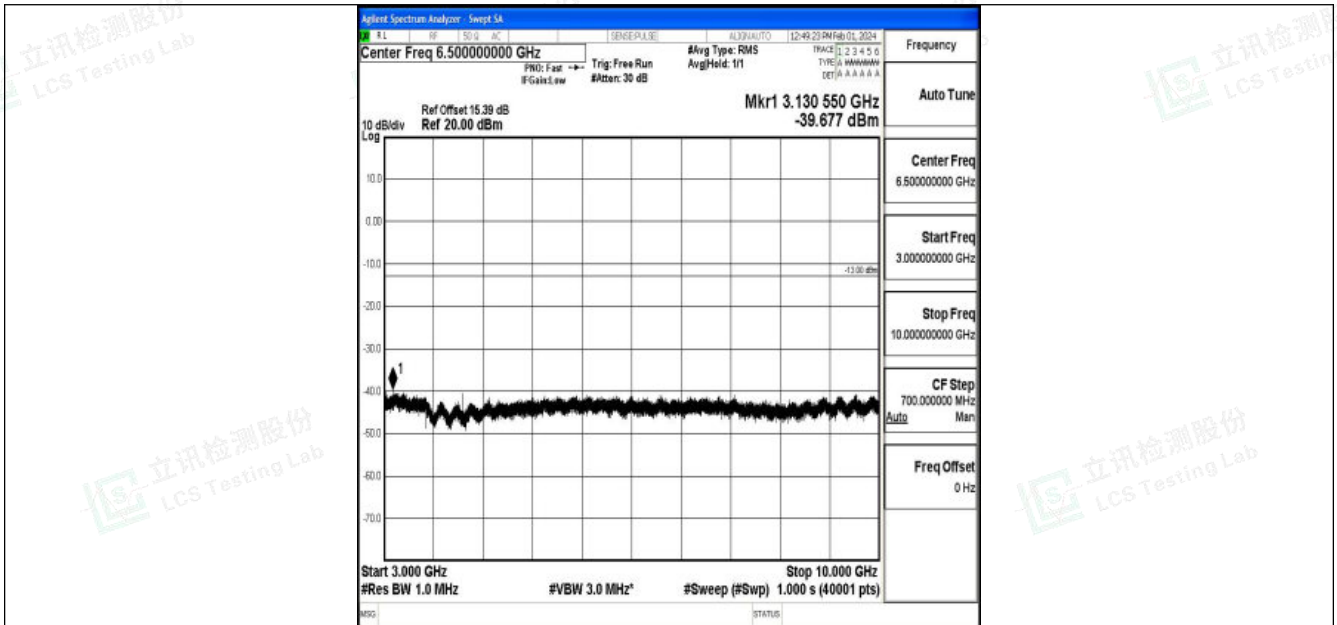


Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000

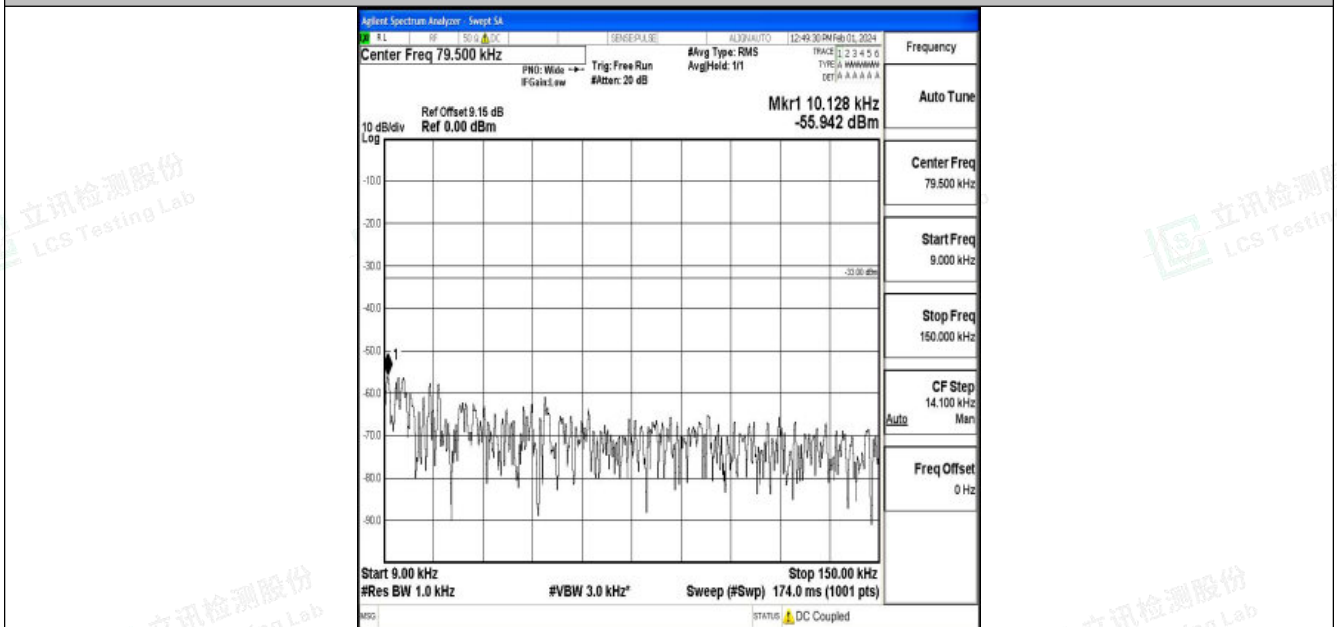


Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000





Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15

