



Appendix J: Test Data for E-UTRA Band 5

Product Name: smart handheld terminal

Test Model: KP36

Environmental Conditions

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





J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.03	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.44	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	22.90	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.43	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	22.91	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	22.87	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	21.89	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	22.91	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	21.89	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	22.87	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	21.96	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.08	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.90	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	22.95	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	21.78	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	22.88	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	21.95	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	22.88	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	21.95	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	22.76	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.41	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	22.75	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.38	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	22.98	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.40	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.06	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.84	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.78	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.19	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.64	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.87	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.44	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.44	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	22.92	PASS



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Scan code to check authenticity



Band5	1.4MHz	16QAM	20643	3RB#0	22.39	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	22.94	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.39	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.69	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	21.88	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	21.99	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.57	PASS
Band5	3MHz	QPSK	20415	1RB#0	22.96	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.54	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.12	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.48	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.88	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.18	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.11	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.81	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.11	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.77	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.14	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.05	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.48	PASS
Band5	3MHz	QPSK	20525	1RB#0	22.94	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.83	PASS
Band5	3MHz	QPSK	20525	1RB#8	22.95	PASS
Band5	3MHz	16QAM	20525	1RB#8	21.84	PASS
Band5	3MHz	QPSK	20525	1RB#14	22.88	PASS
Band5	3MHz	16QAM	20525	1RB#14	21.87	PASS
Band5	3MHz	QPSK	20525	8RB#0	21.99	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.74	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.00	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.74	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.10	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.71	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.02	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.36	PASS
Band5	3MHz	QPSK	20635	1RB#0	22.80	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.21	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.69	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.14	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.44	PASS





Band5	3MHz	16QAM	20635	1RB#14	22.32	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.10	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.68	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.05	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.61	PASS
Band5	3MHz	QPSK	20635	8RB#7	21.92	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	21.87	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.42	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.04	PASS
Band5	5MHz	16QAM	20425	1RB#0	21.92	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.06	PASS
Band5	5MHz	16QAM	20425	1RB#12	21.89	PASS
Band5	5MHz	QPSK	20425	1RB#24	22.99	PASS
Band5	5MHz	16QAM	20425	1RB#24	21.97	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.13	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.63	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.10	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.63	PASS
Band5	5MHz	QPSK	20425	12RB#13	21.97	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.58	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.69	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.71	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.89	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.74	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.96	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.61	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.49	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.04	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.55	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.05	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.55	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.09	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.54	PASS
Band5	5MHz	QPSK	20525	25RB#0	21.98	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.35	PASS
Band5	5MHz	QPSK	20625	1RB#0	22.90	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.47	PASS
Band5	5MHz	QPSK	20625	1RB#12	22.92	PASS



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Band5	5MHz	16QAM	20625	1RB#12	22.49	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.50	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.07	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.16	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.48	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.29	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.49	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.09	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.40	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.14	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.54	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.96	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.54	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.92	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.59	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.90	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.69	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.20	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.43	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.20	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.43	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.99	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.46	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.02	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	22.88	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.65	PASS
Band5	10MHz	QPSK	20525	1RB#24	22.99	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.68	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.03	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.66	PASS
Band5	10MHz	QPSK	20525	25RB#0	21.96	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.68	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.12	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.68	PASS
Band5	10MHz	QPSK	20525	25RB#25	21.97	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.74	PASS
Band5	10MHz	QPSK	20525	50RB#0	21.93	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.58	PASS
Band5	10MHz	QPSK	20600	1RB#0	22.80	PASS



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Scan code to check authenticity



Band5	10MHz	16QAM	20600	1RB#0	23.00	PASS
Band5	10MHz	QPSK	20600	1RB#24	22.96	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.00	PASS
Band5	10MHz	QPSK	20600	1RB#49	22.69	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.63	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.14	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.64	PASS
Band5	10MHz	QPSK	20600	25RB#12	21.90	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.65	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.05	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.72	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.12	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.84	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	4.84	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.91	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.55	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.17	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.74	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.95	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.35	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.90	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.98	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.02	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.56	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.11	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.85	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.92	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.54	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.24	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.74	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.17	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.41	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.04	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.12	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.26	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.94	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.52	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.85	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.30	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.64	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.26	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.82	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.35	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.08	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.21	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.56	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.26	13	PASS



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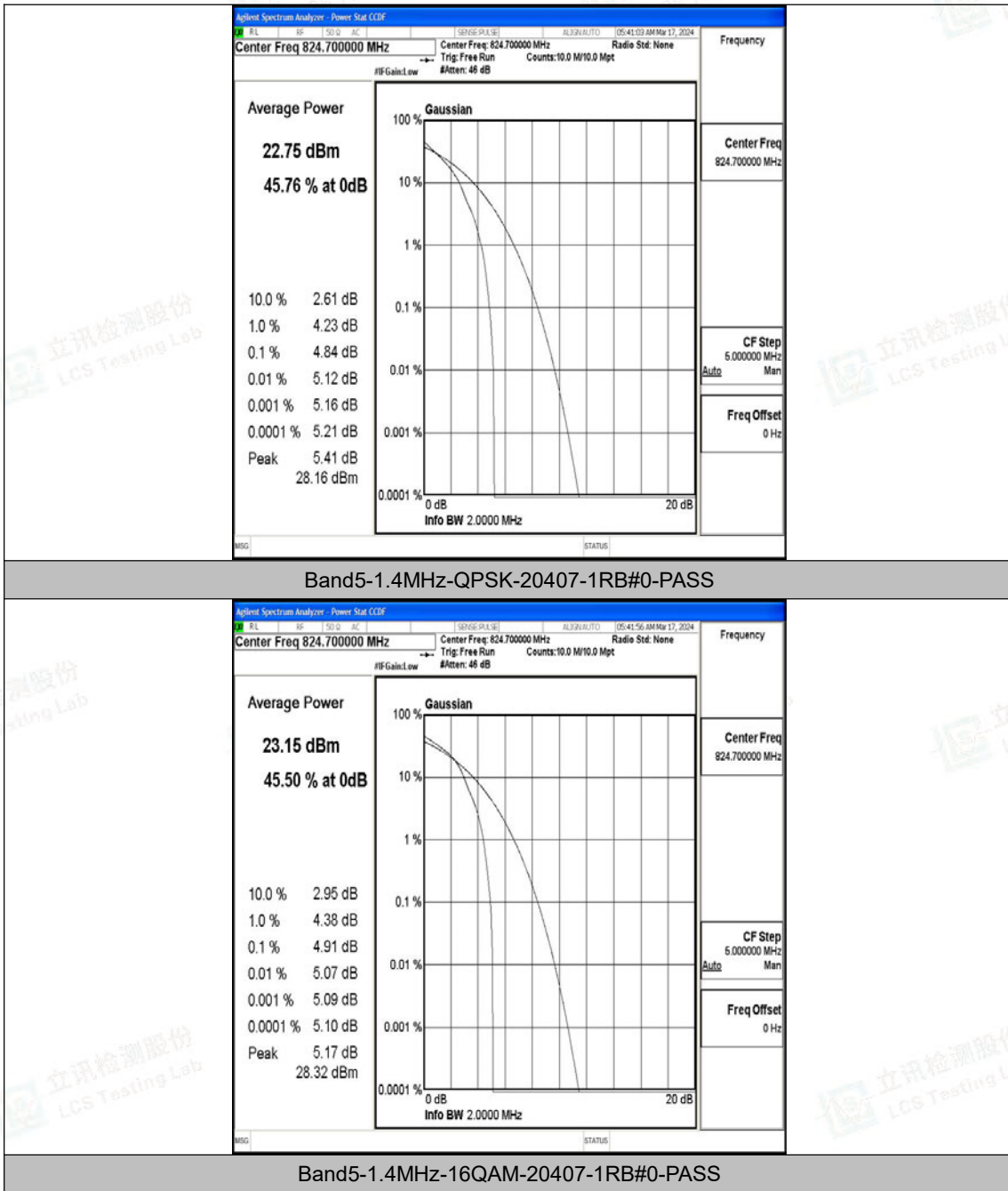


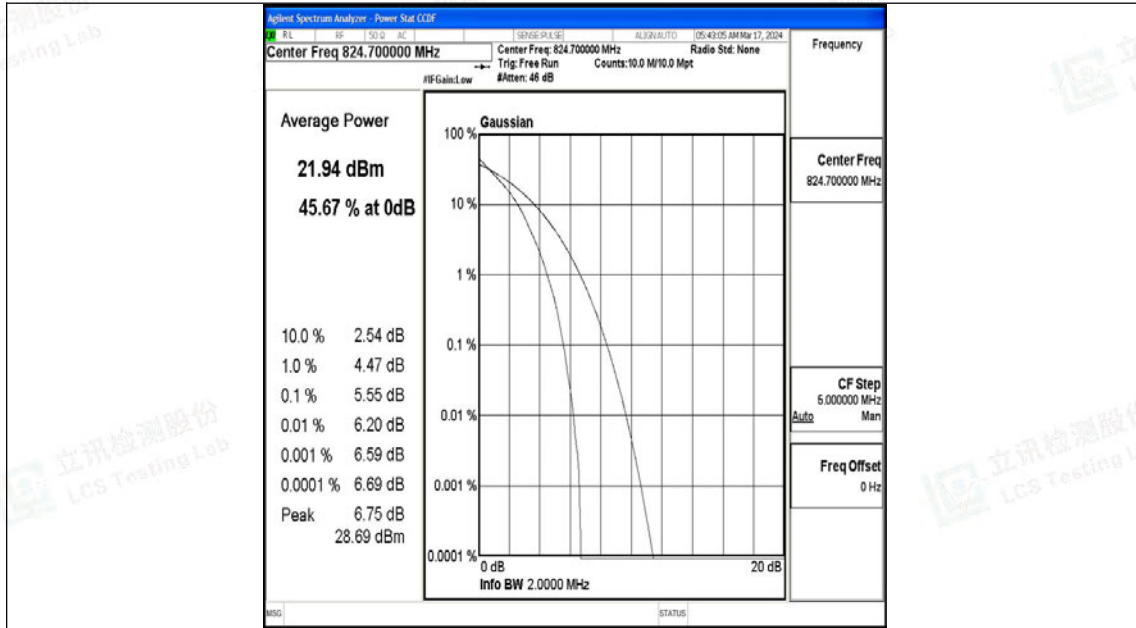
Band5	5MHz	16QAM	20625	25RB#0	5.84	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.95	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.51	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.19	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.83	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.30	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.54	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.13	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.59	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.05	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.27	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.92	13	PASS



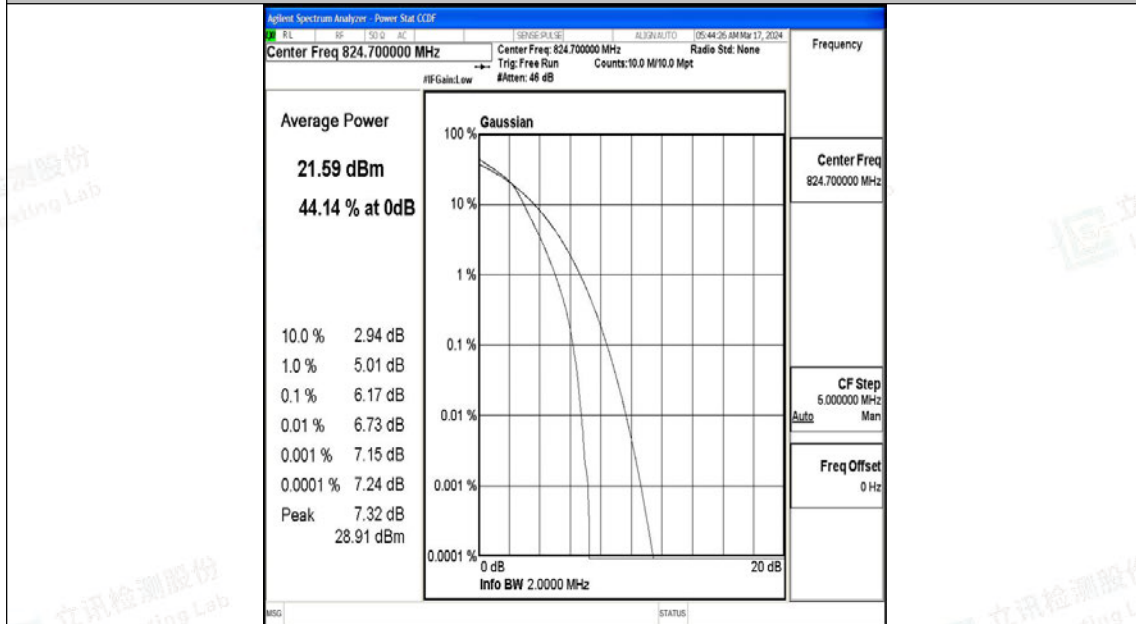


Test Graphs



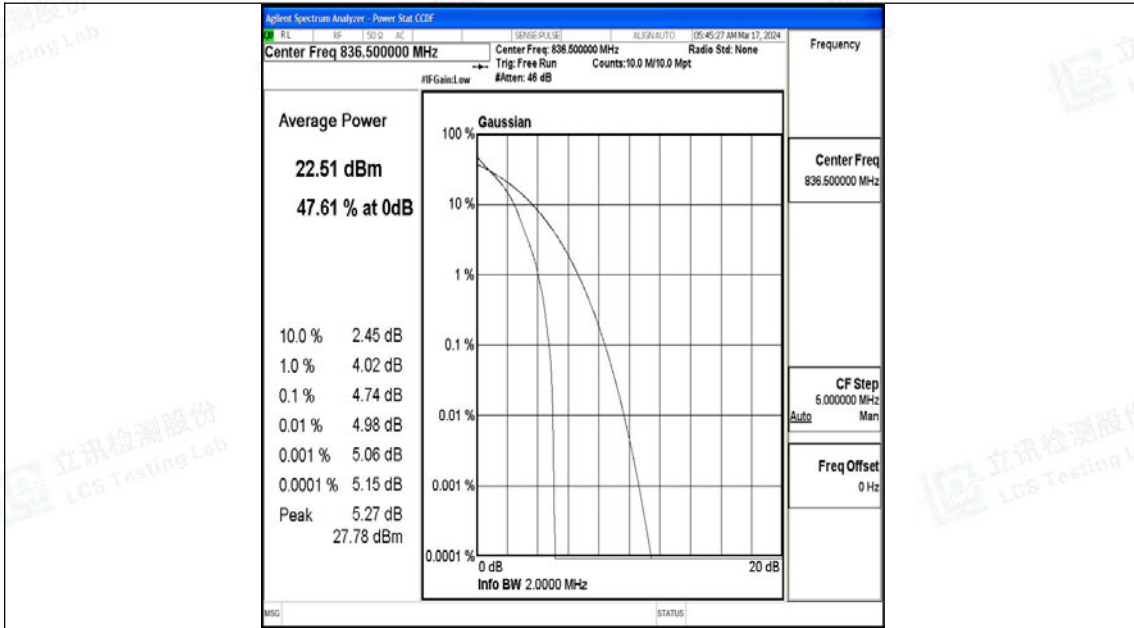


Band5-1.4MHz-QPSK-20407-6RB#0-PASS

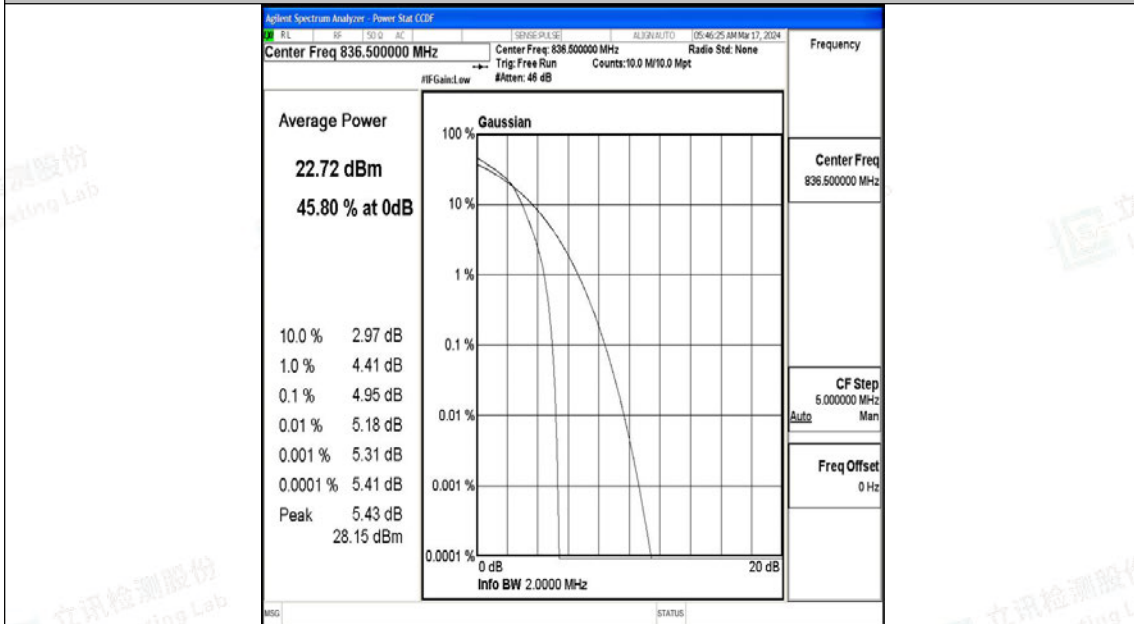


Band5-1.4MHz-16QAM-20407-6RB#0-PASS



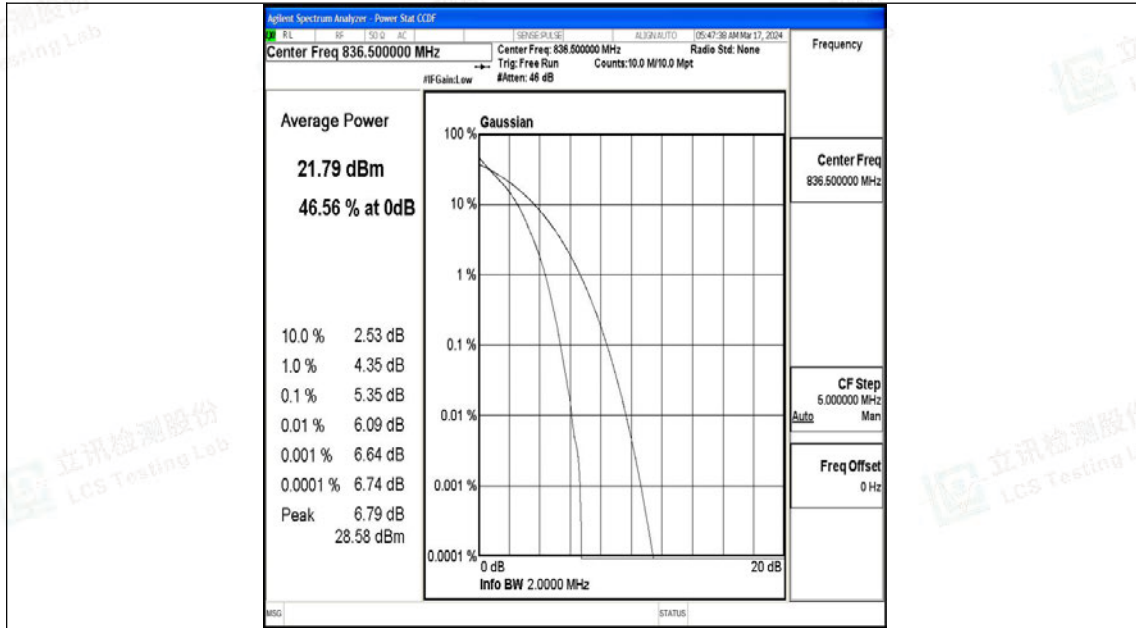


Band5-1.4MHz-QPSK-20525-1RB#0-PASS

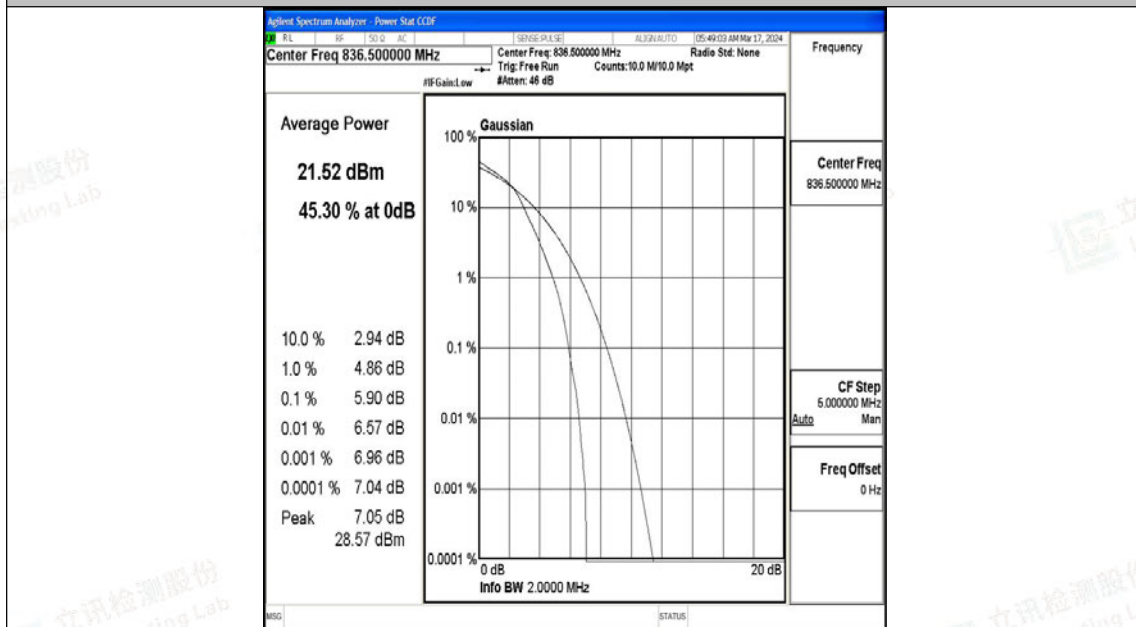


Band5-1.4MHz-16QAM-20525-1RB#0-PASS



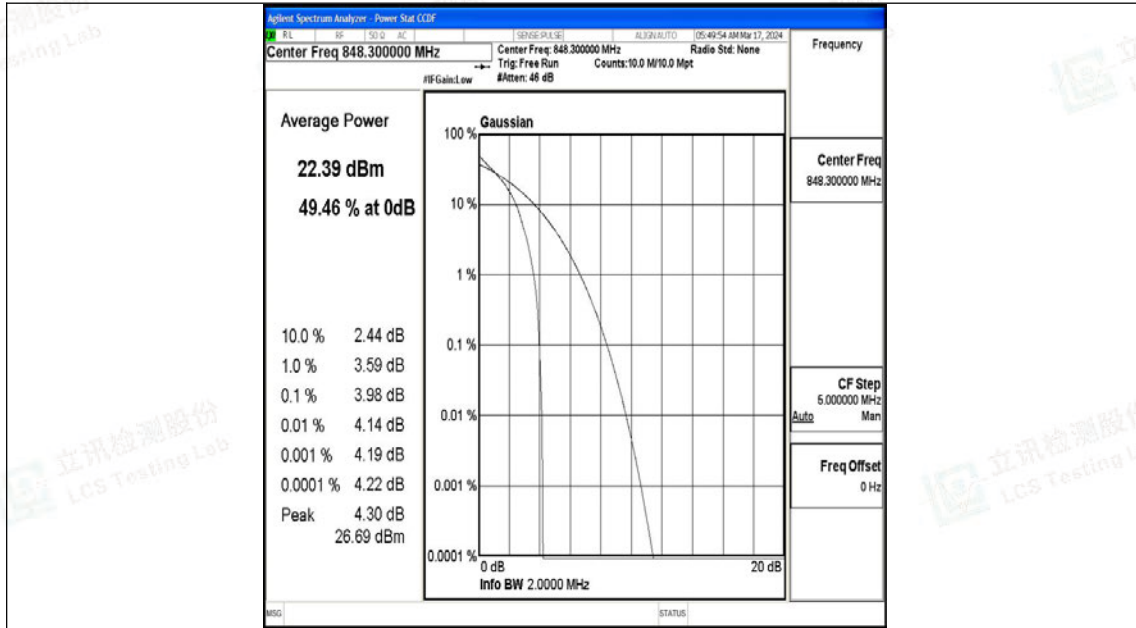


Band5-1.4MHz-QPSK-20525-6RB#0-PASS

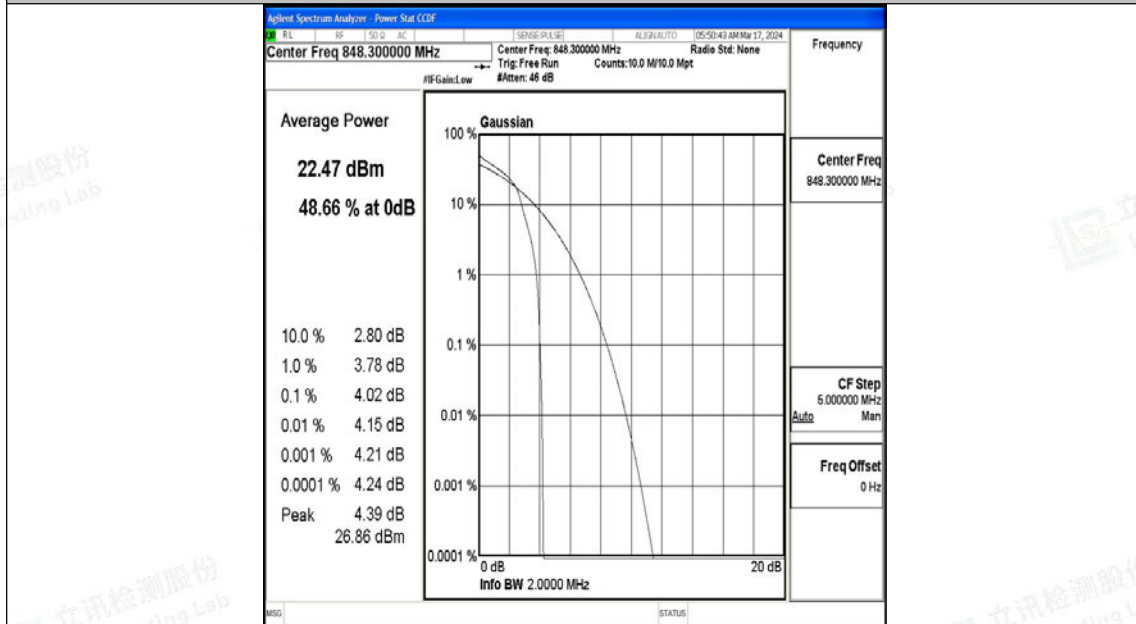


Band5-1.4MHz-16QAM-20525-6RB#0-PASS



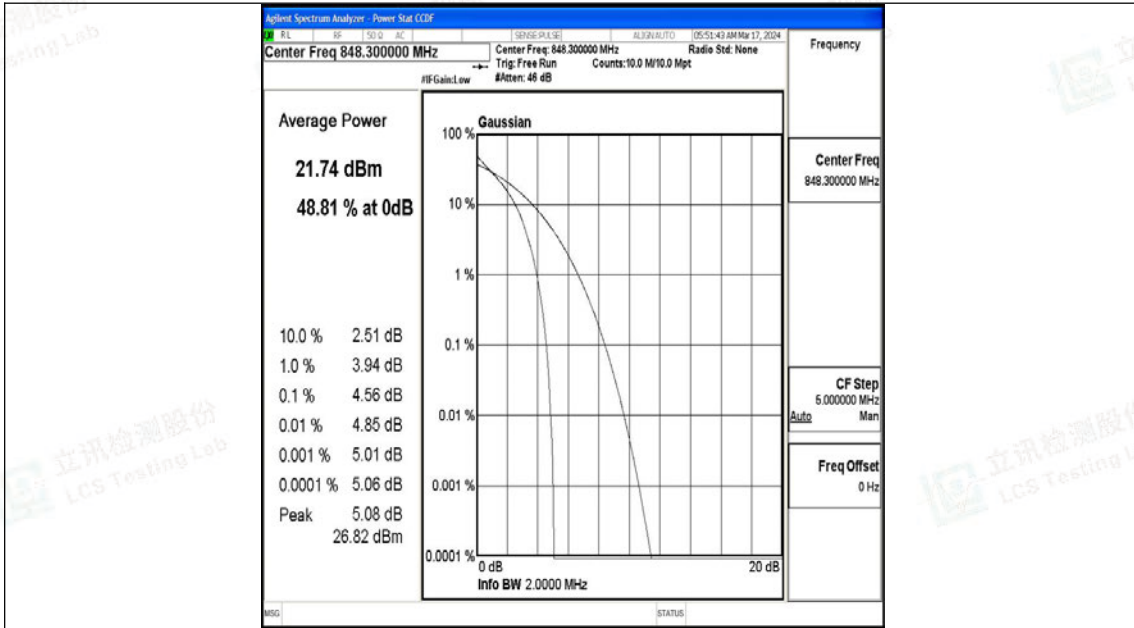


Band5-1.4MHz-QPSK-20643-1RB#0-PASS

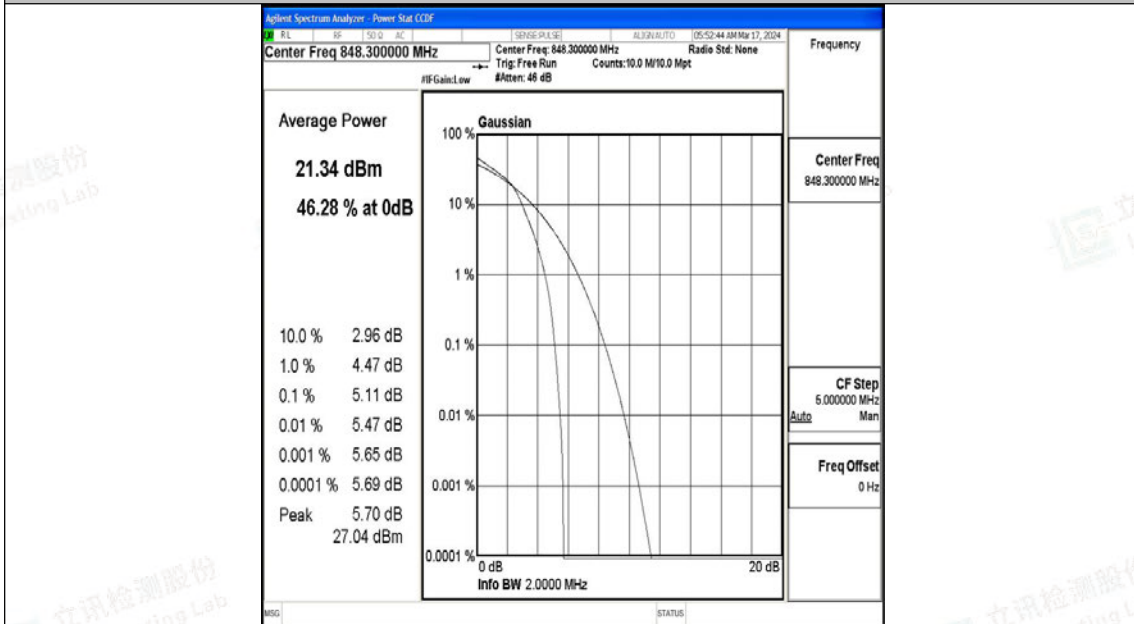


Band5-1.4MHz-16QAM-20643-1RB#0-PASS



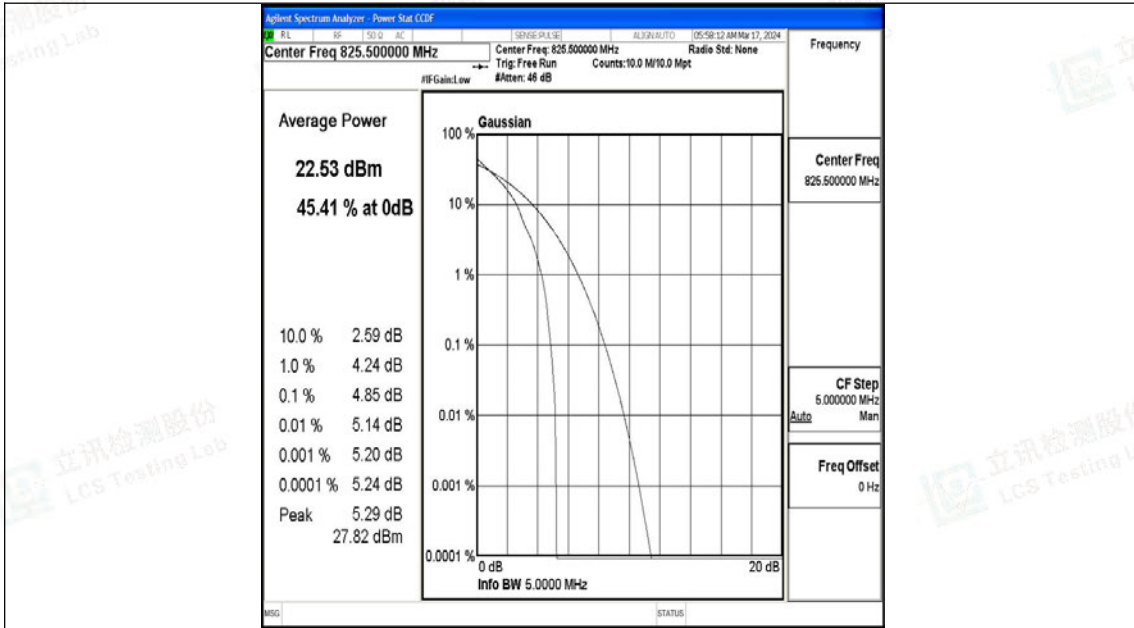


Band5-1.4MHz-QPSK-20643-6RB#0-PASS

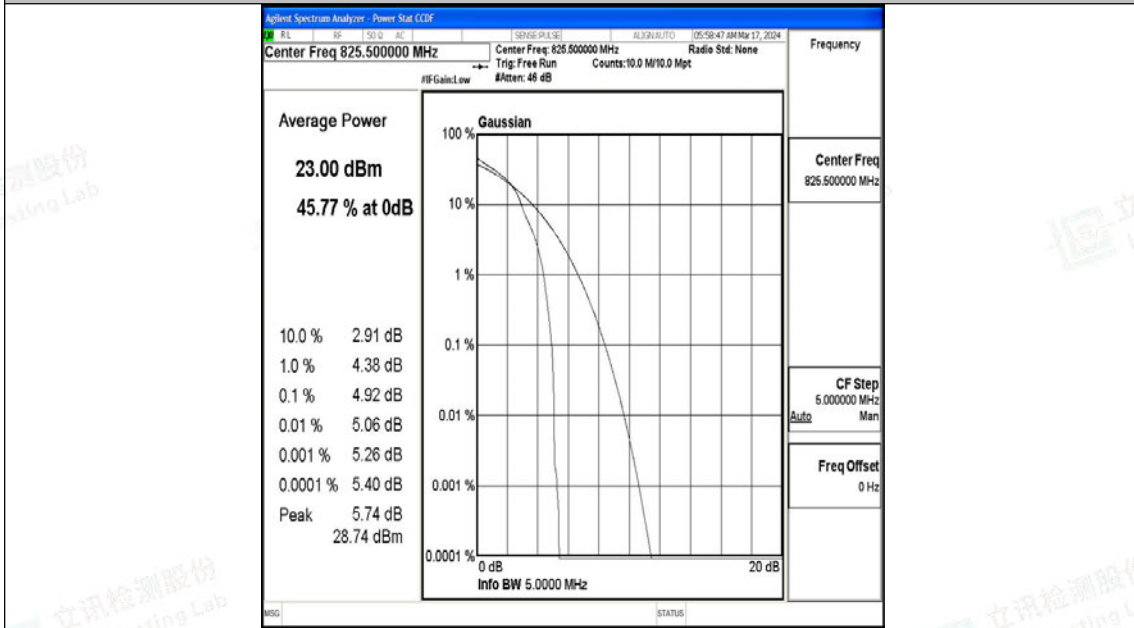


Band5-1.4MHz-16QAM-20643-6RB#0-PASS



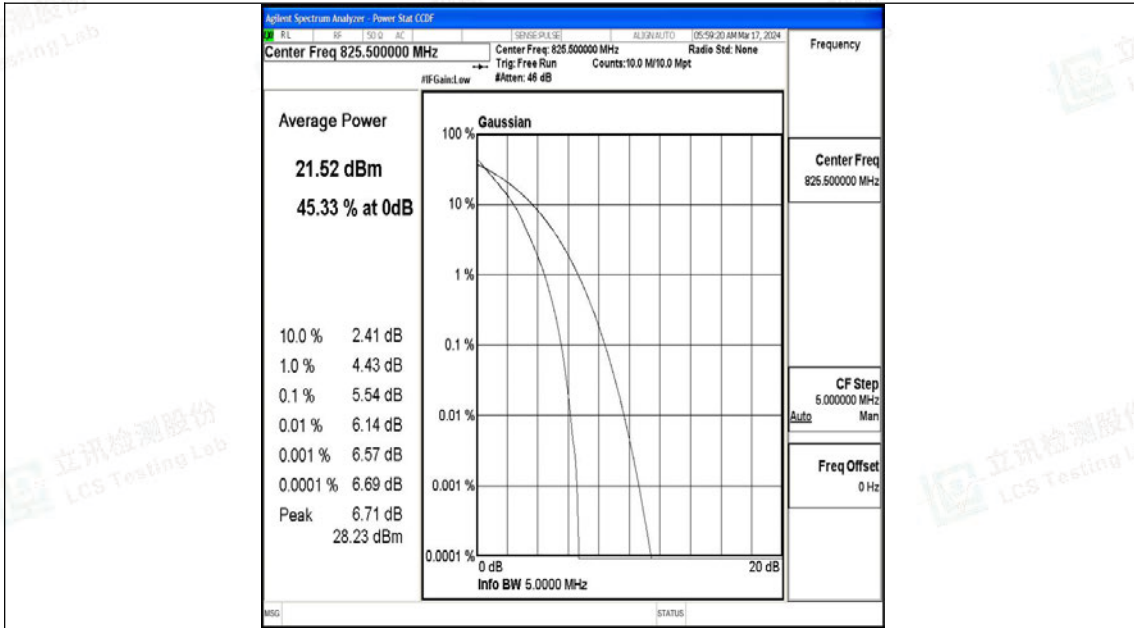


Band5-3MHz-QPSK-20415-1RB#0-PASS

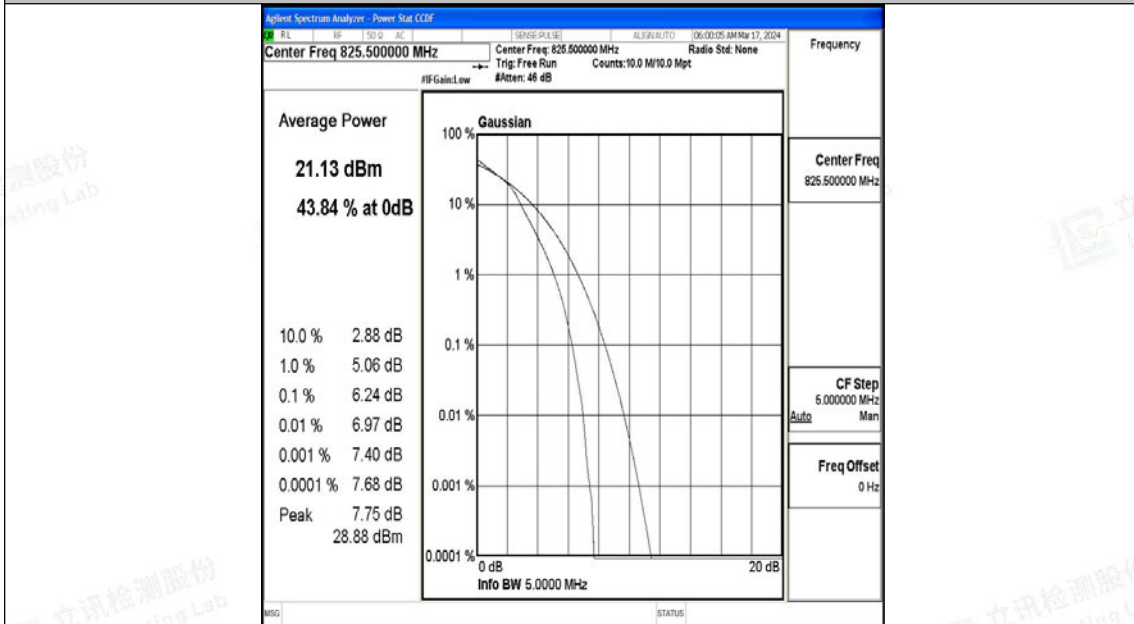


Band5-3MHz-16QAM-20415-1RB#0-PASS



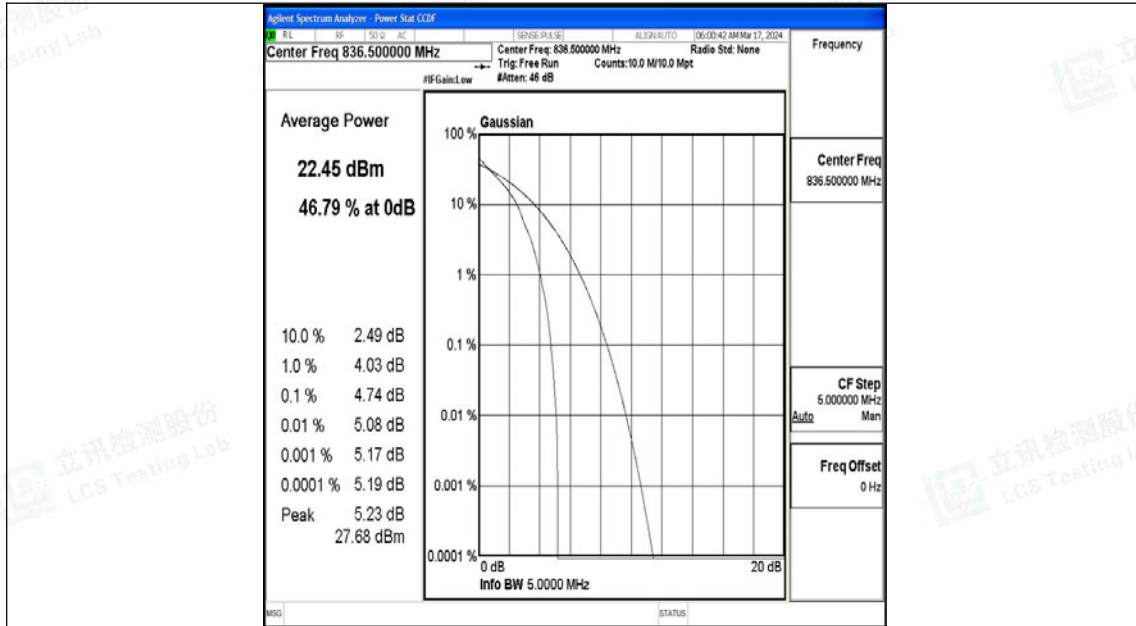


Band5-3MHz-QPSK-20415-15RB#0-PASS

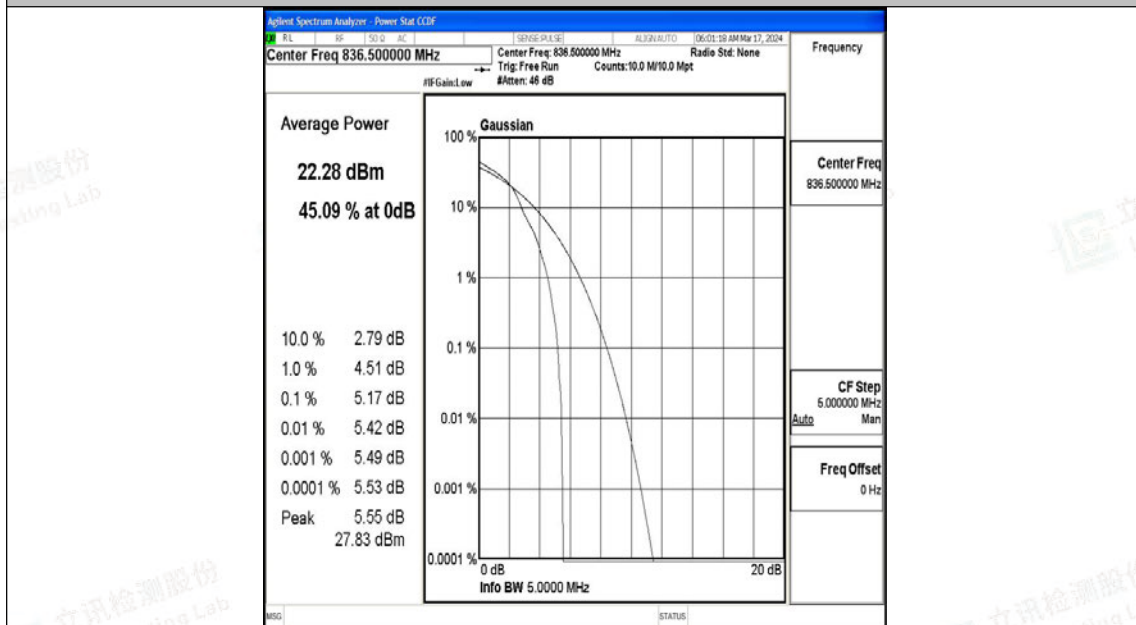


Band5-3MHz-16QAM-20415-15RB#0-PASS



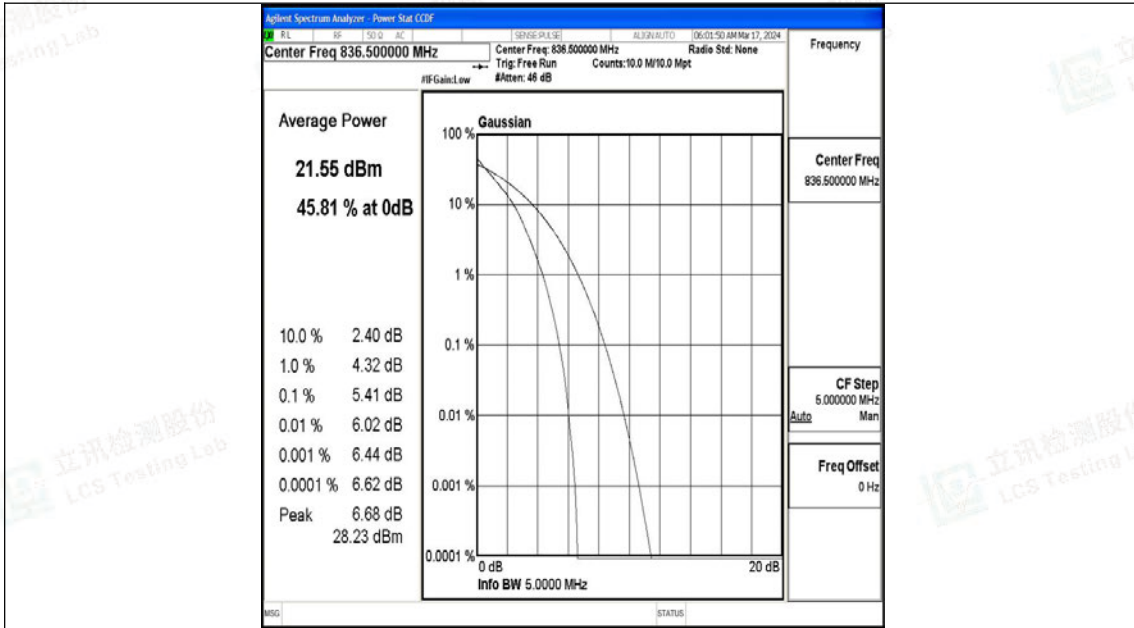


Band5-3MHz-QPSK-20525-1RB#0-PASS

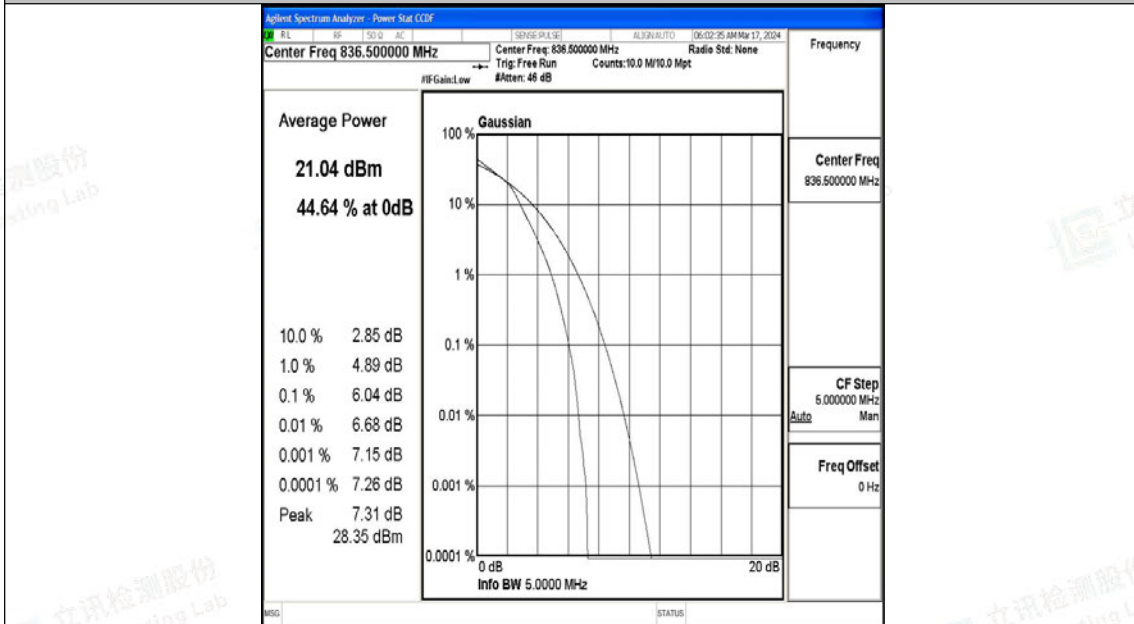


Band5-3MHz-16QAM-20525-1RB#0-PASS



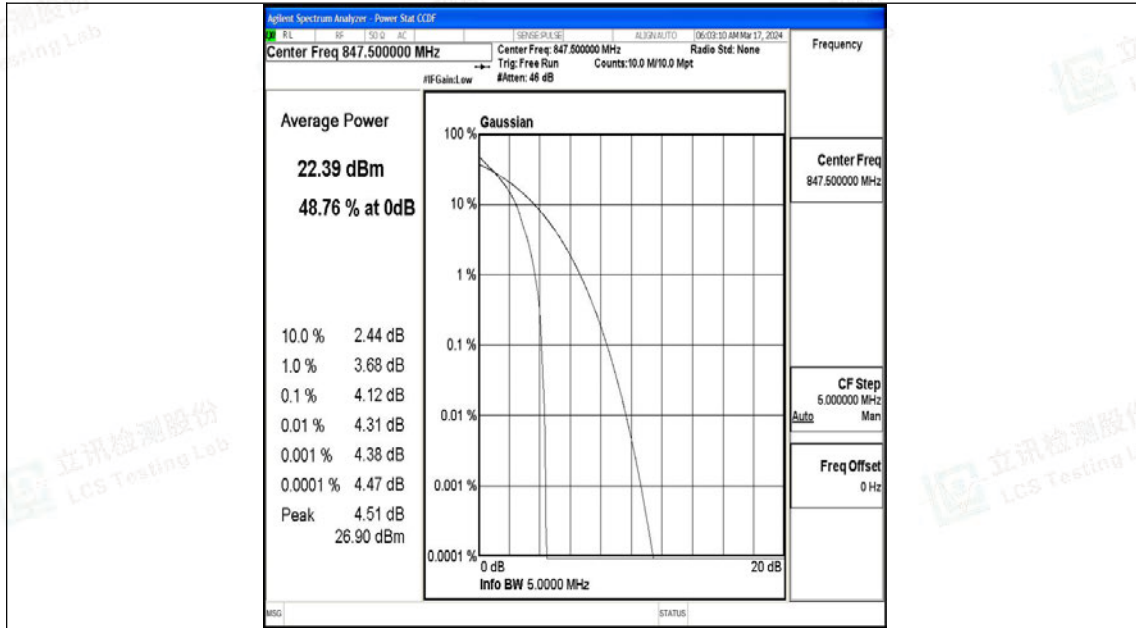


Band5-3MHz-QPSK-20525-15RB#0-PASS

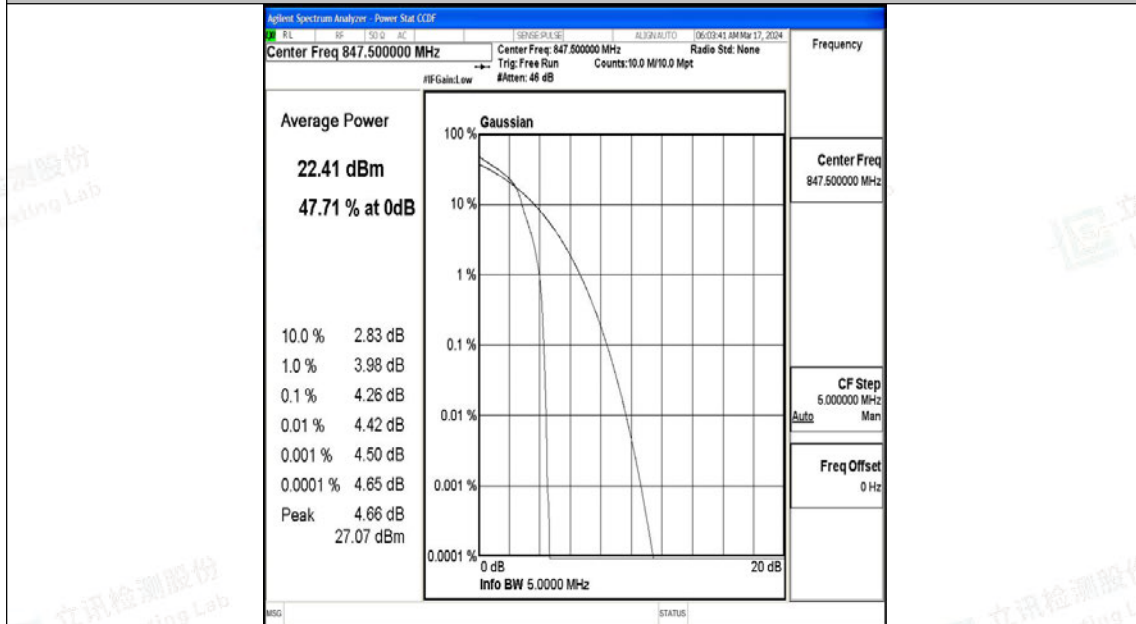


Band5-3MHz-16QAM-20525-15RB#0-PASS



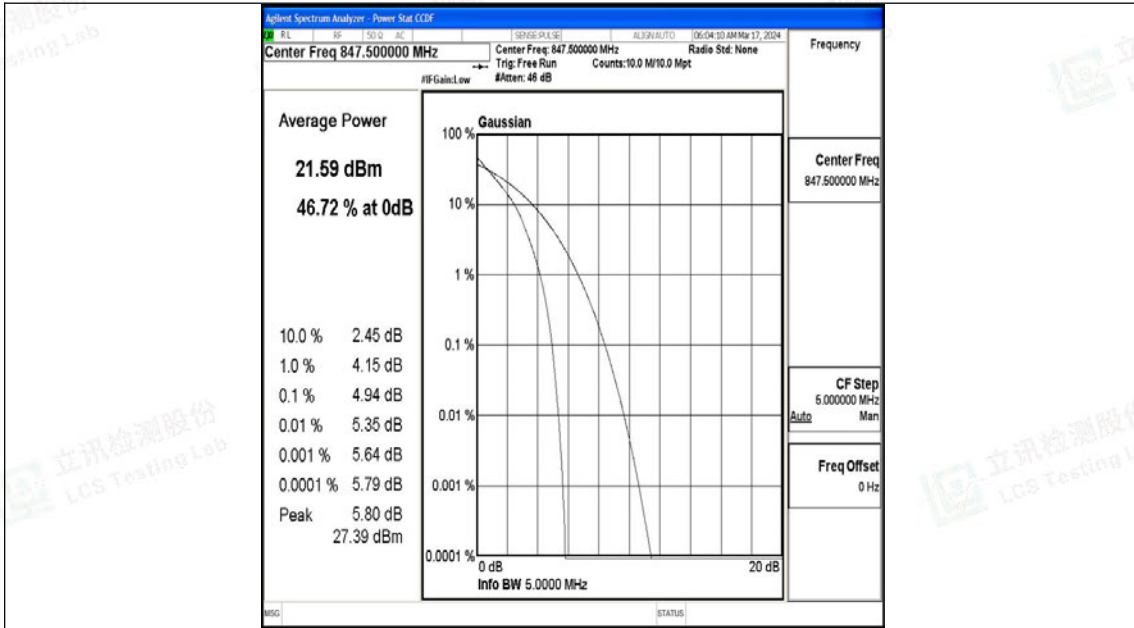


Band5-3MHz-QPSK-20635-1RB#0-PASS

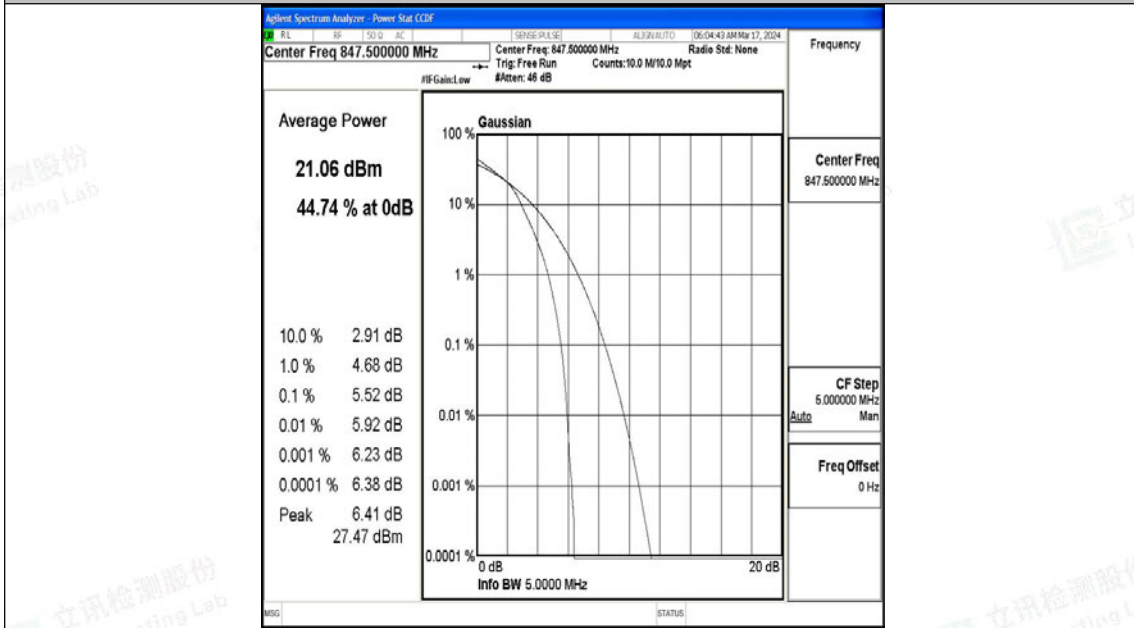


Band5-3MHz-16QAM-20635-1RB#0-PASS



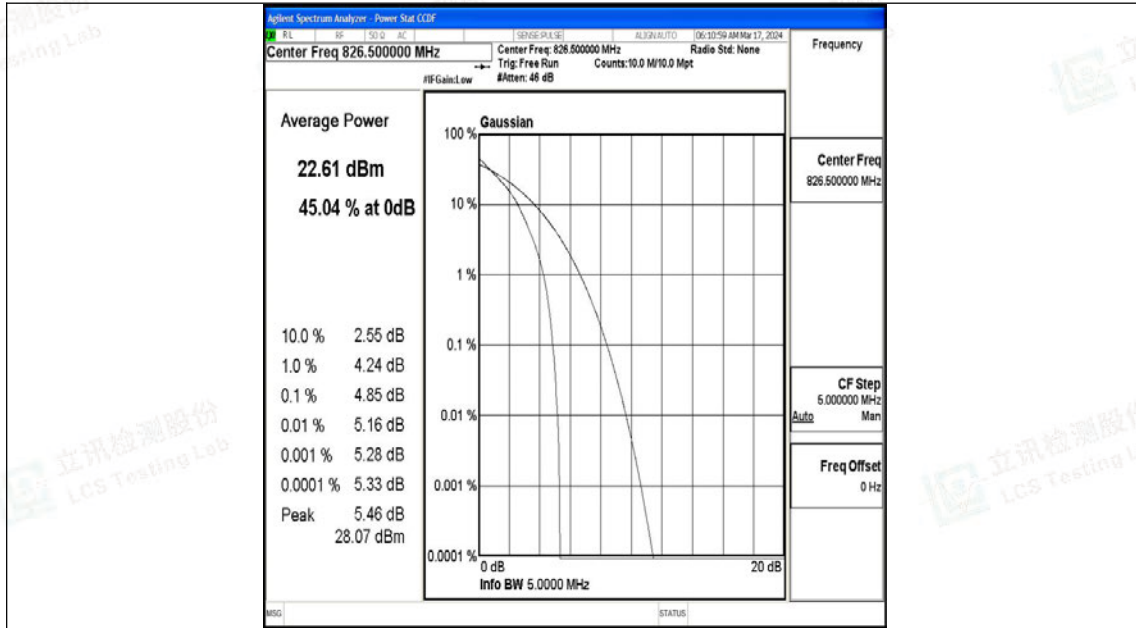


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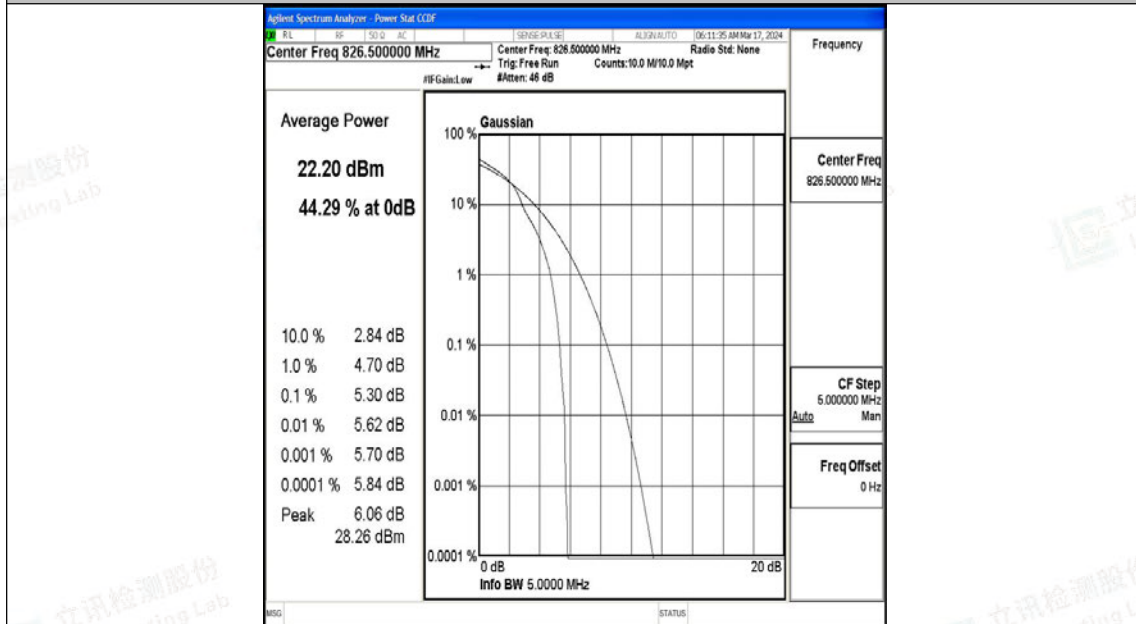


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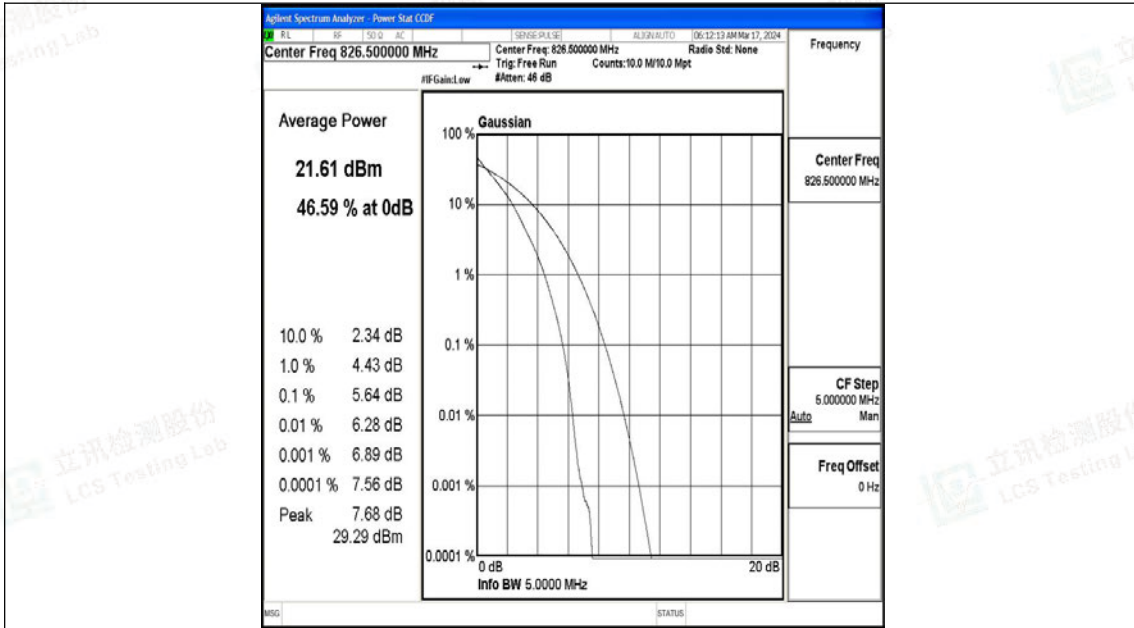


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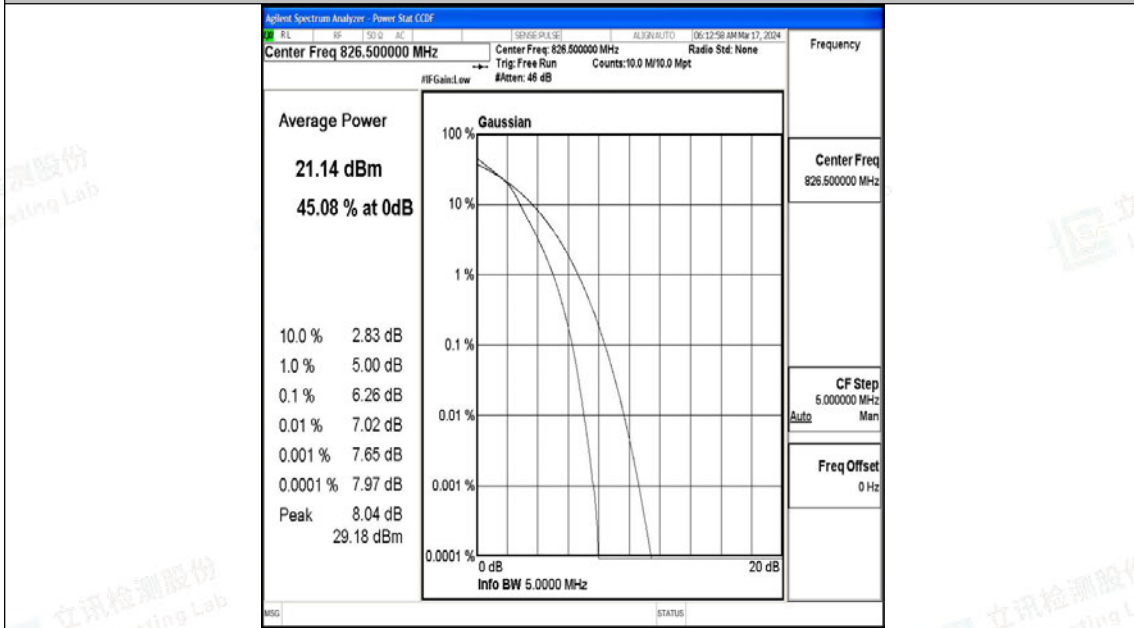


Band5-5MHz-16QAM-20425-1RB#0-PASS



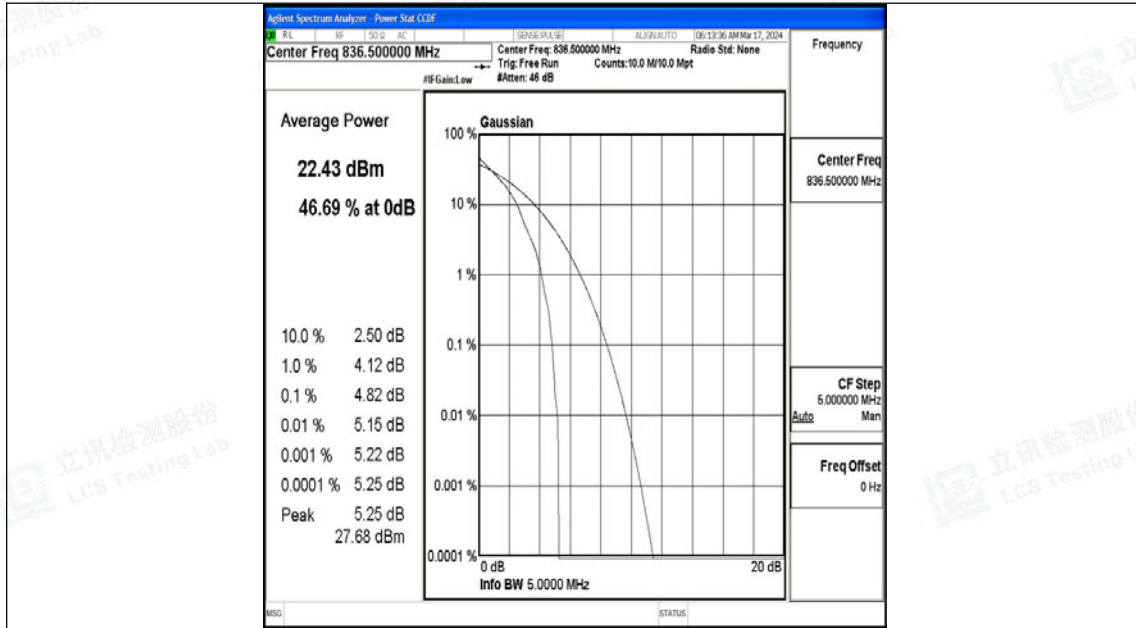


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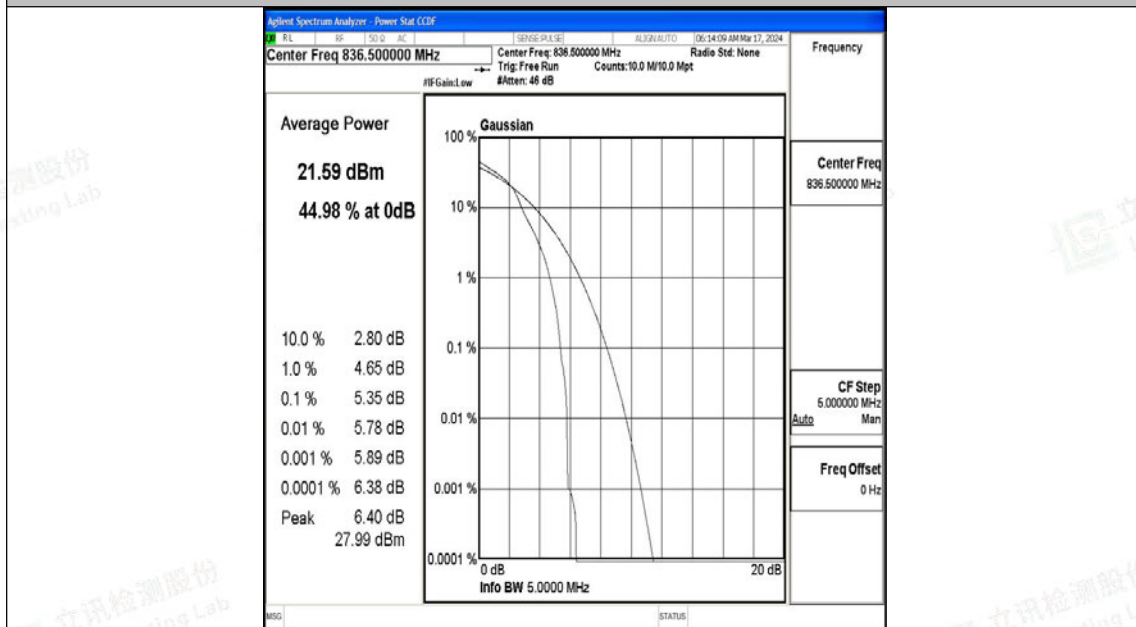


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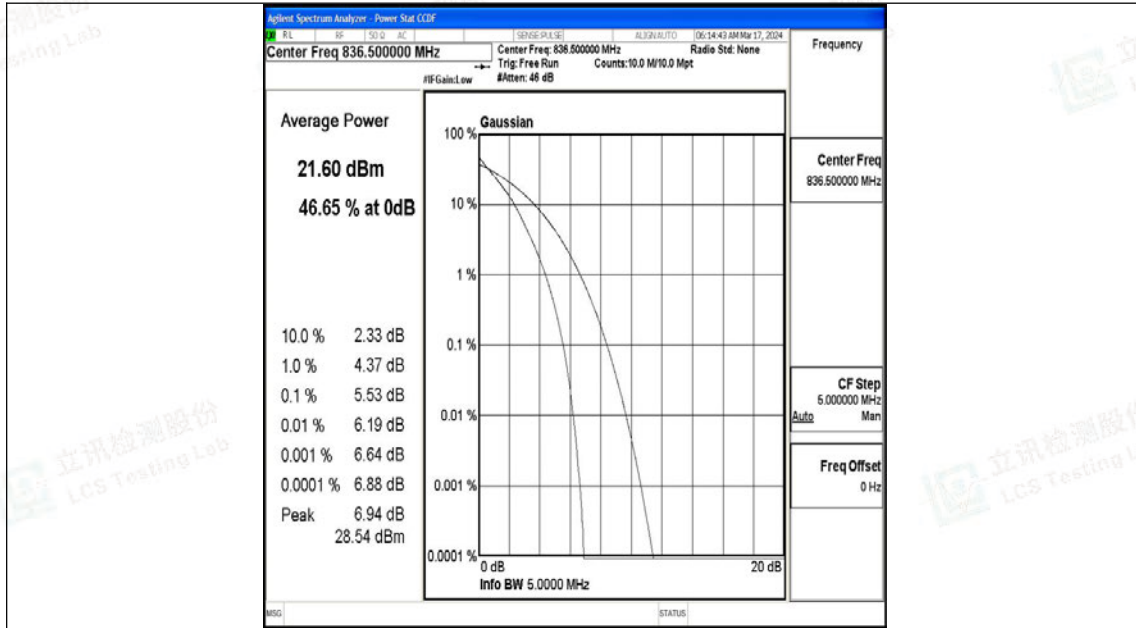


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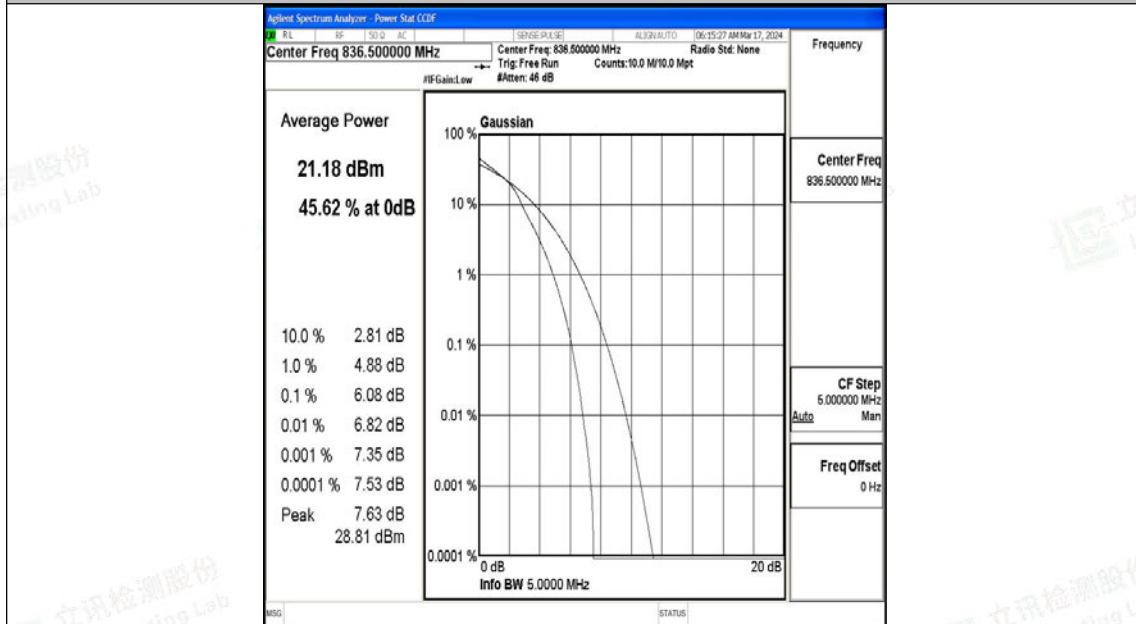


Band5-5MHz-16QAM-20525-1RB#0-PASS



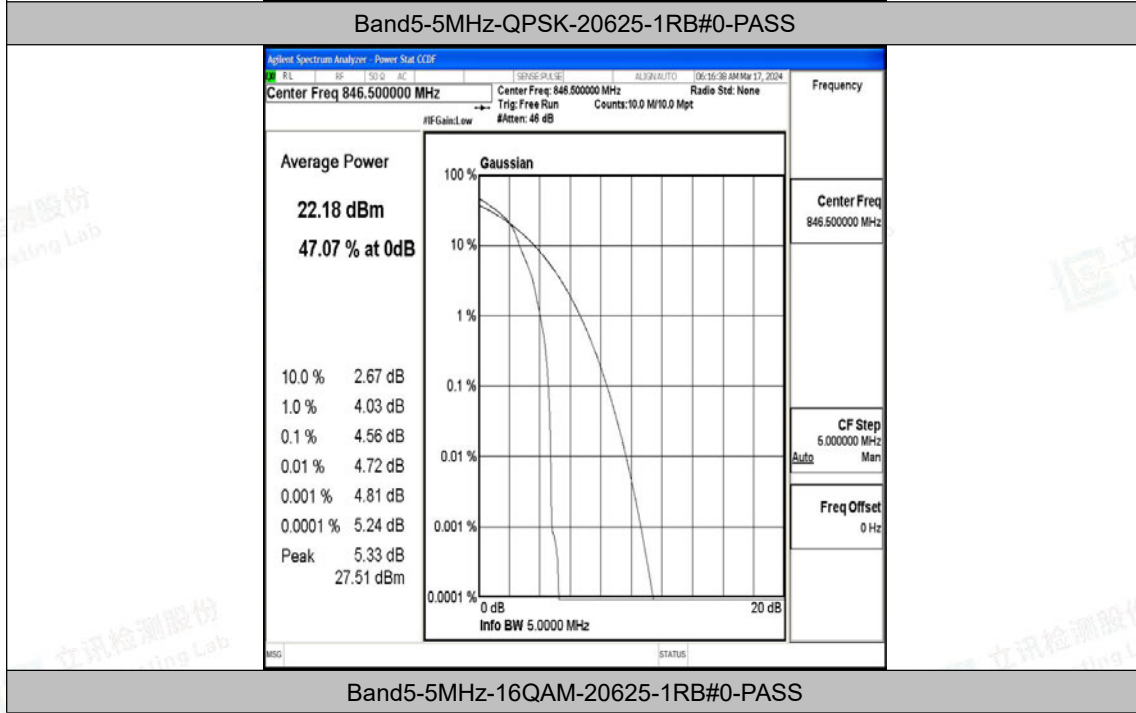
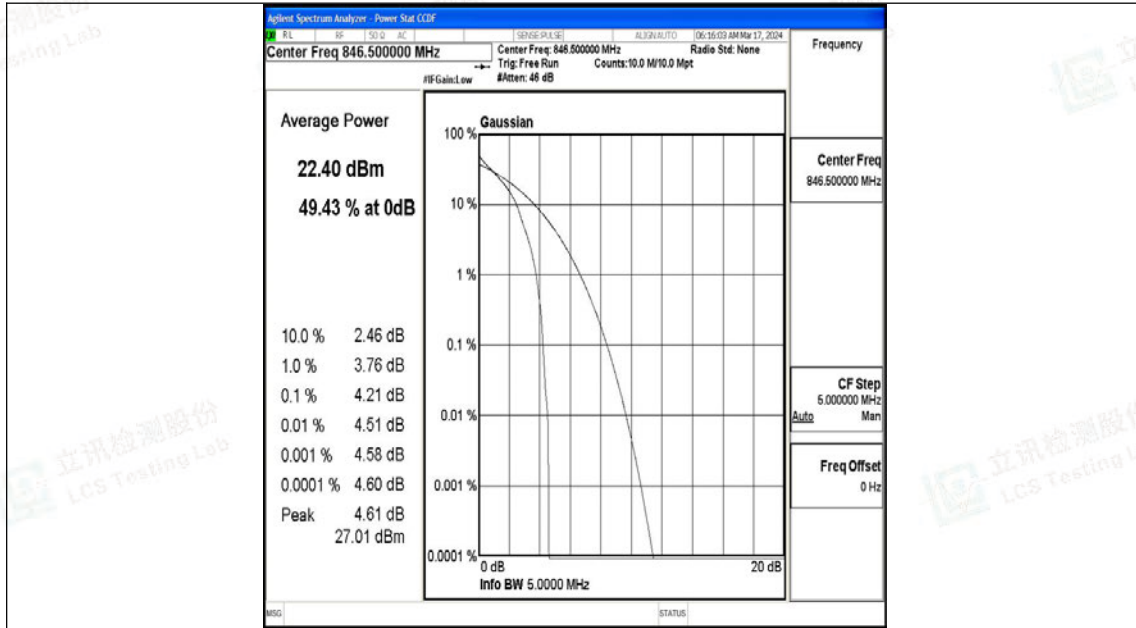


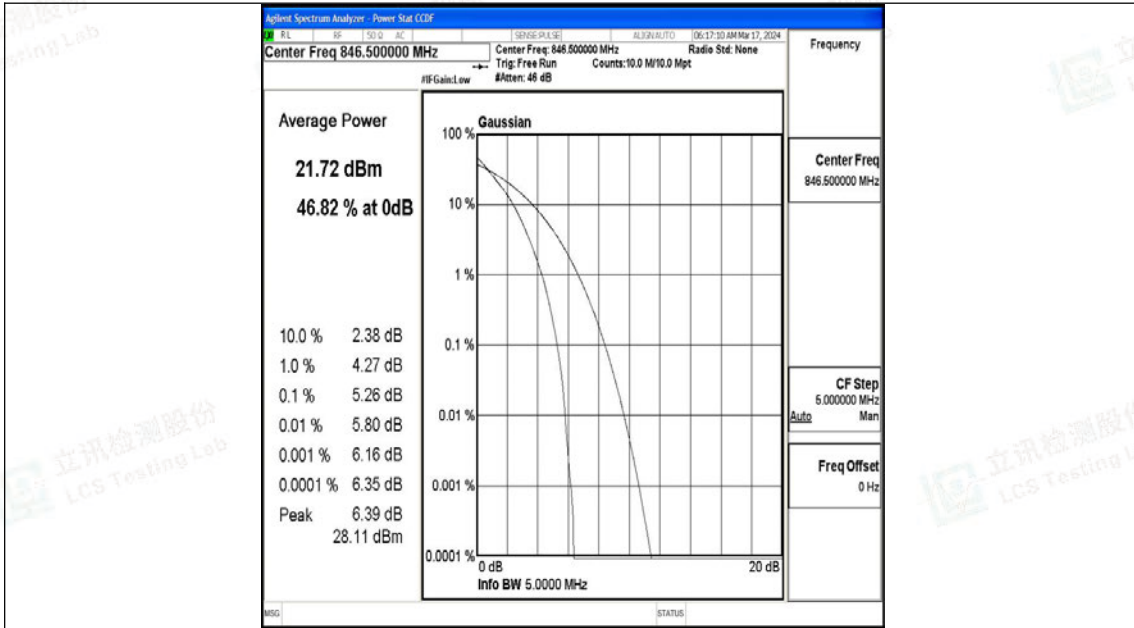
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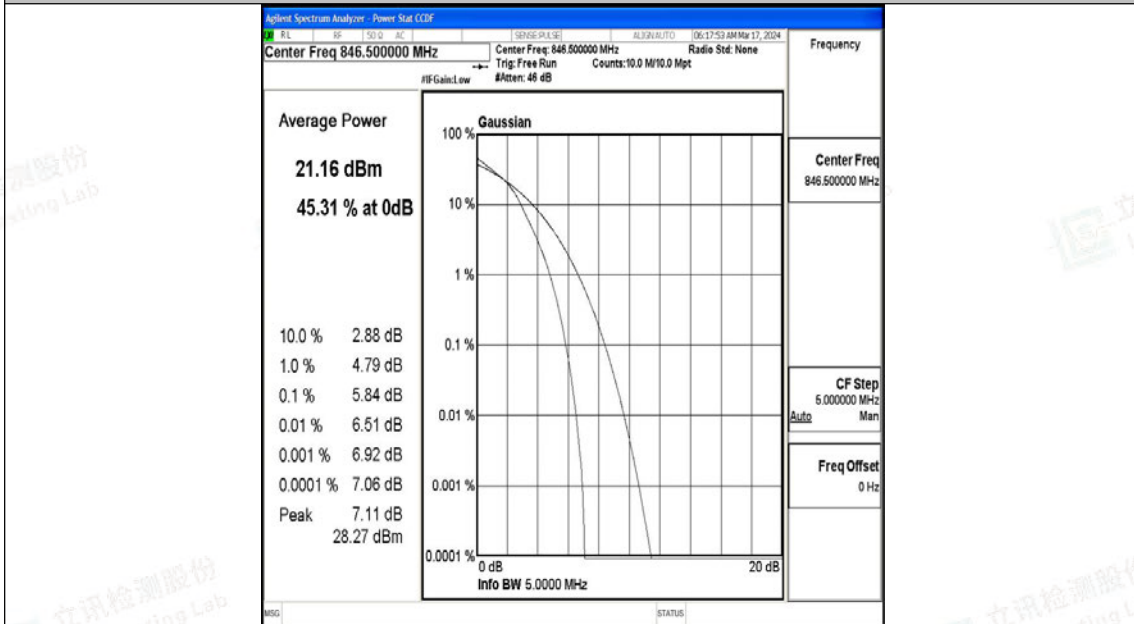
Band5-5MHz-16QAM-20525-25RB#0-PASS





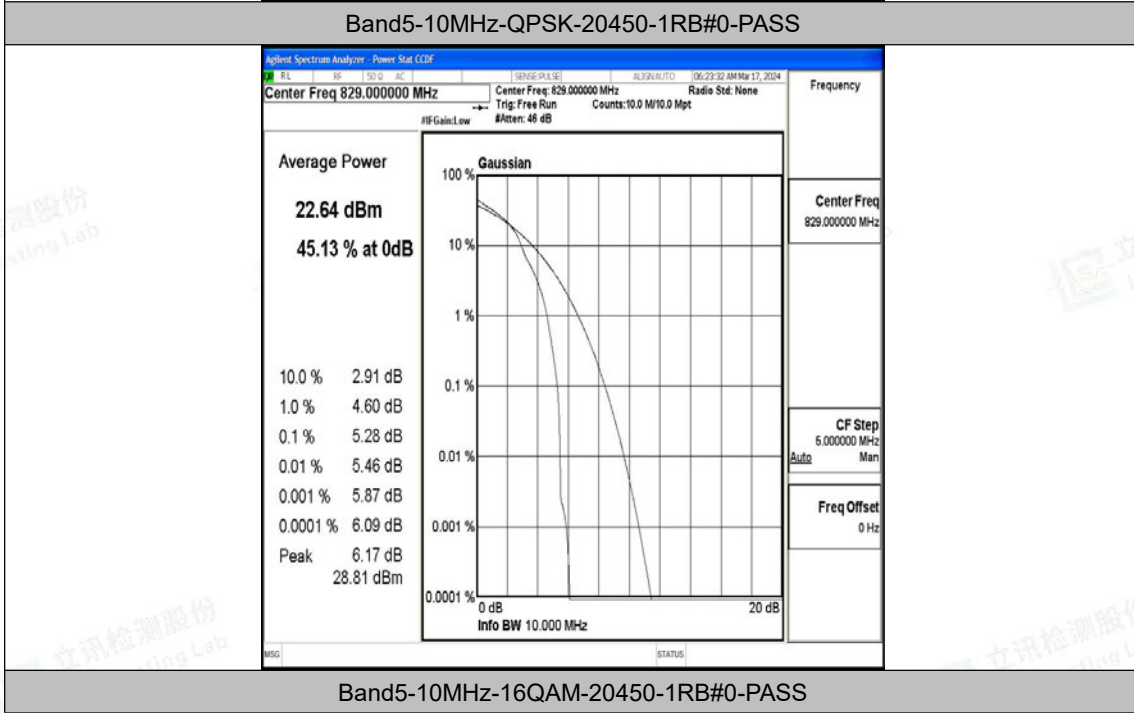
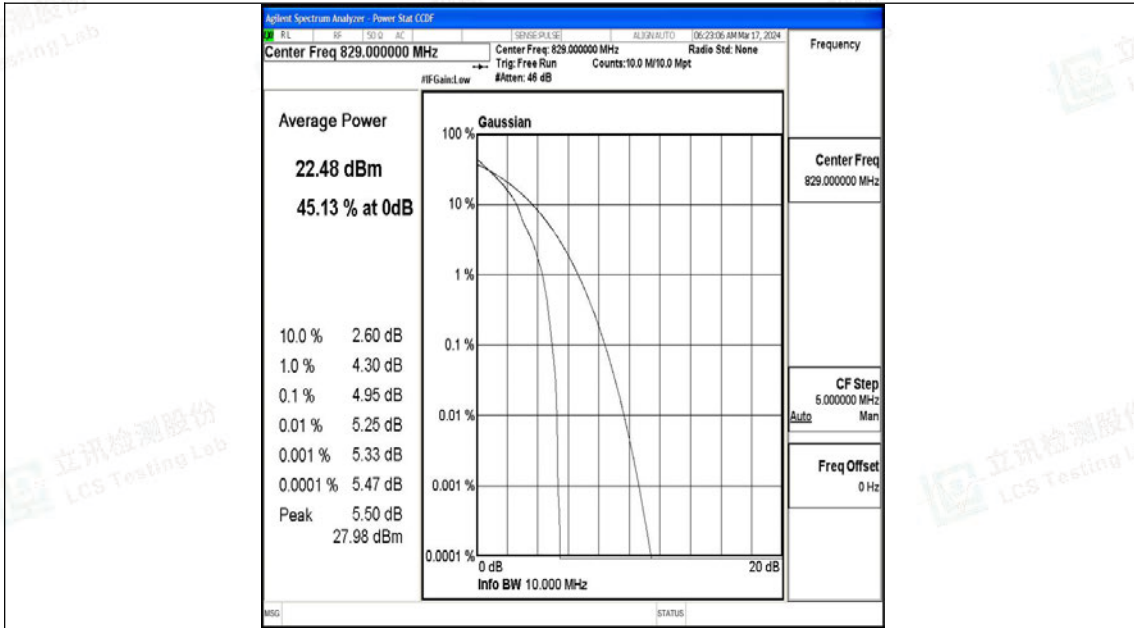


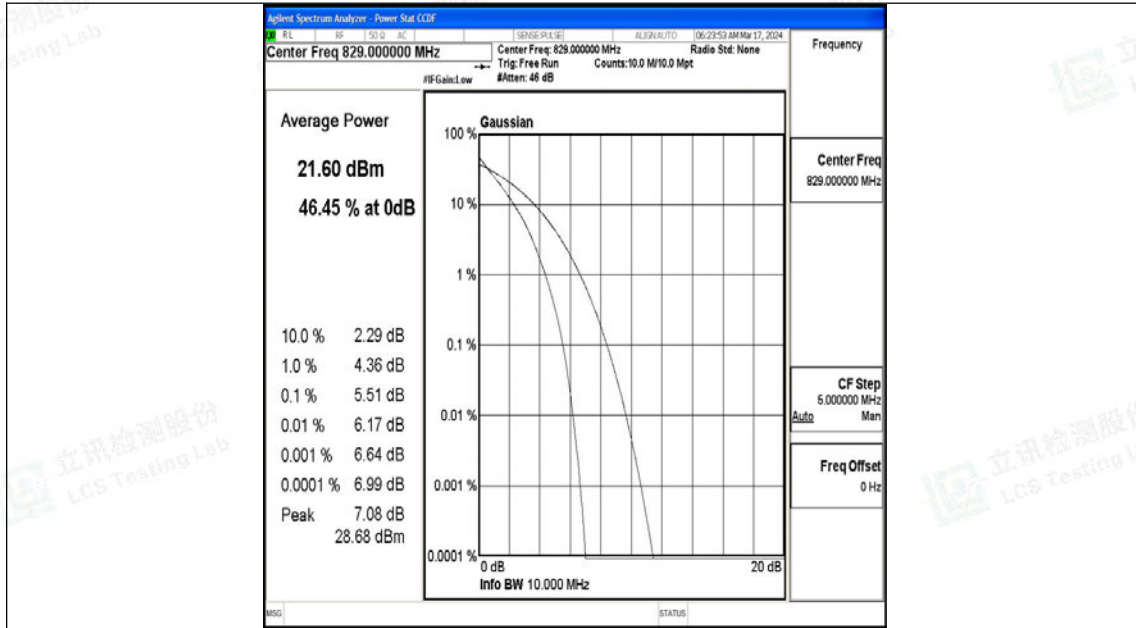
Band5-5MHz-QPSK-20625-25RB#0-PASS



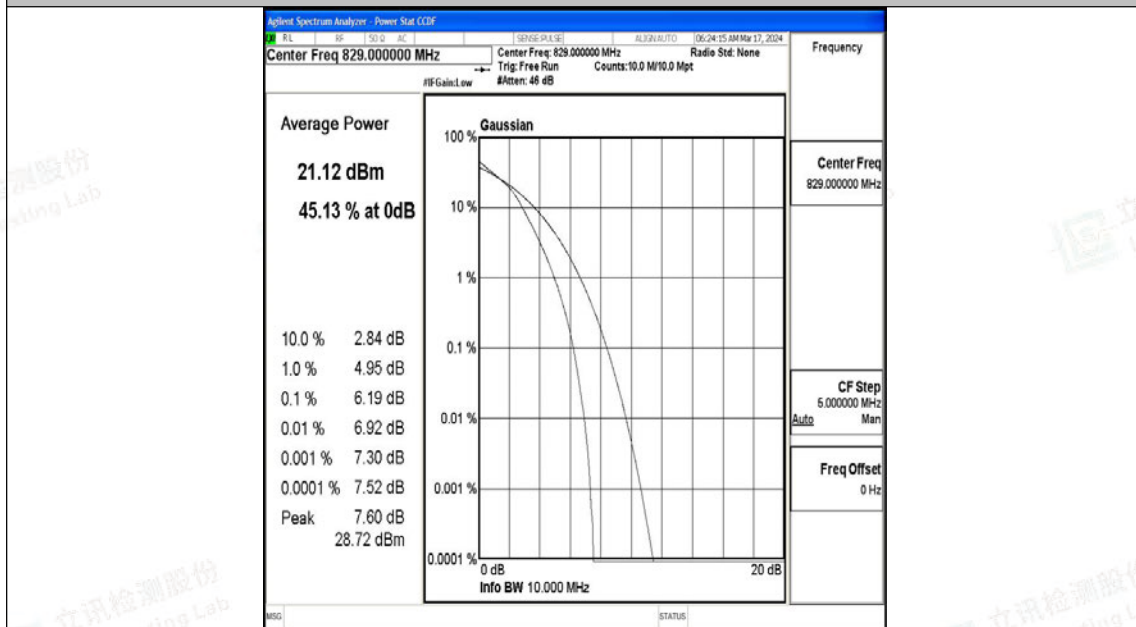
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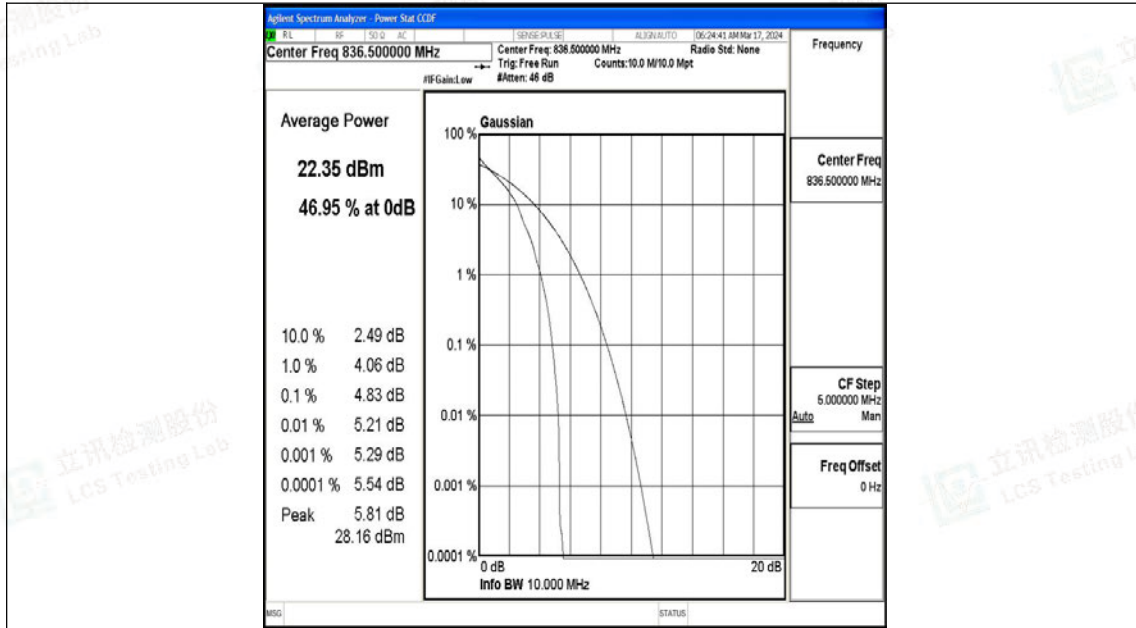


Band5-10MHz-QPSK-20450-50RB#0-PASS

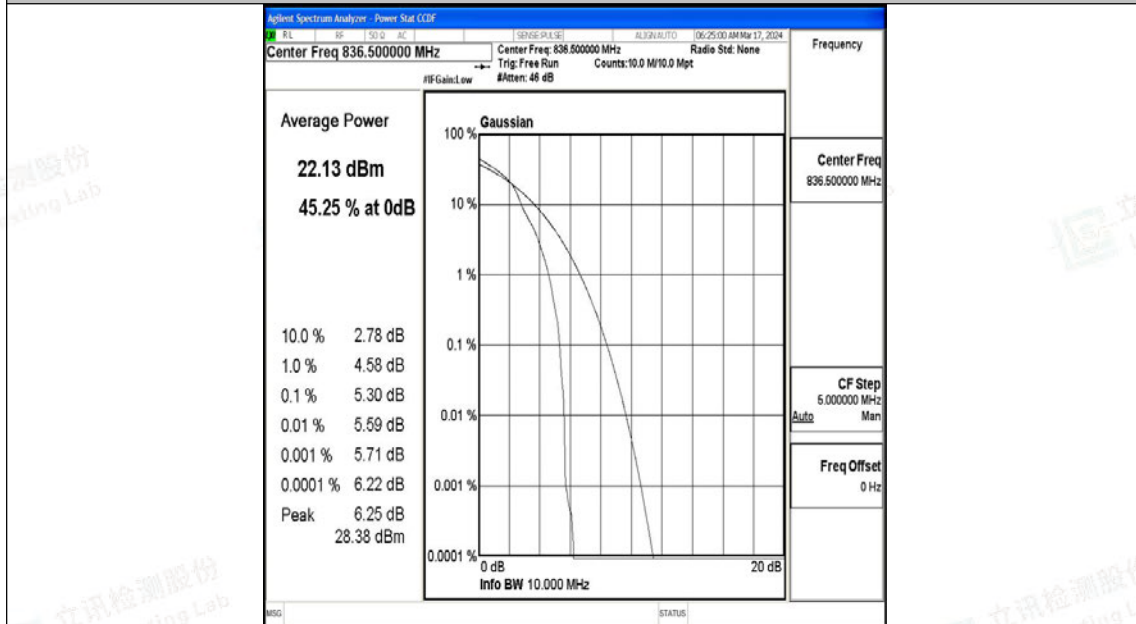


Band5-10MHz-16QAM-20450-50RB#0-PASS



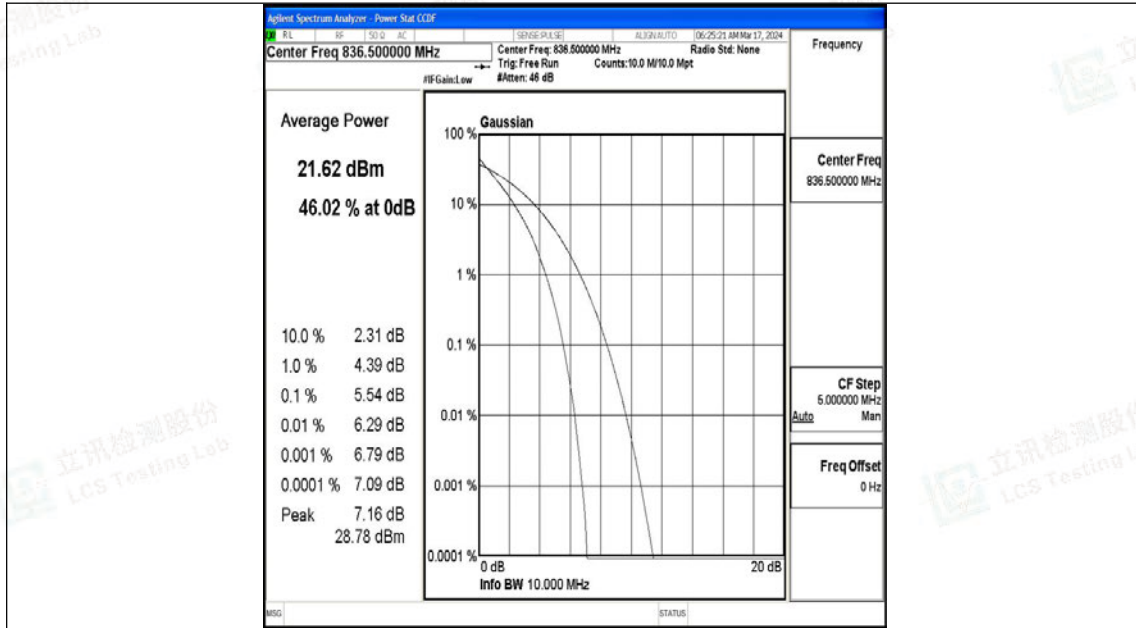


Band5-10MHz-QPSK-20525-1RB#0-PASS

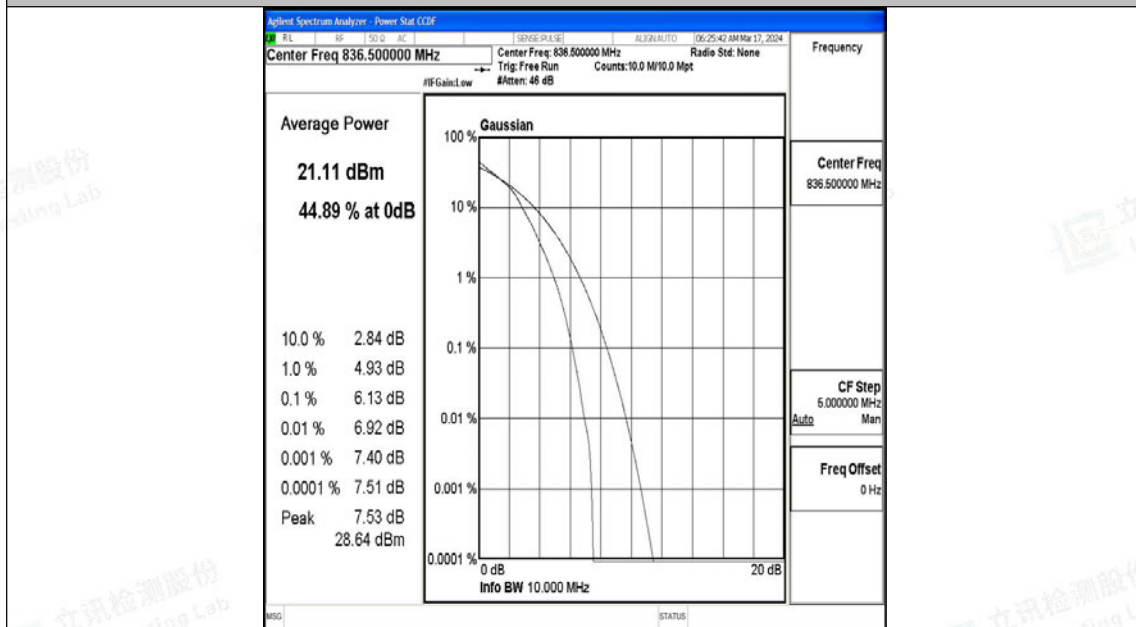


Band5-10MHz-16QAM-20525-1RB#0-PASS



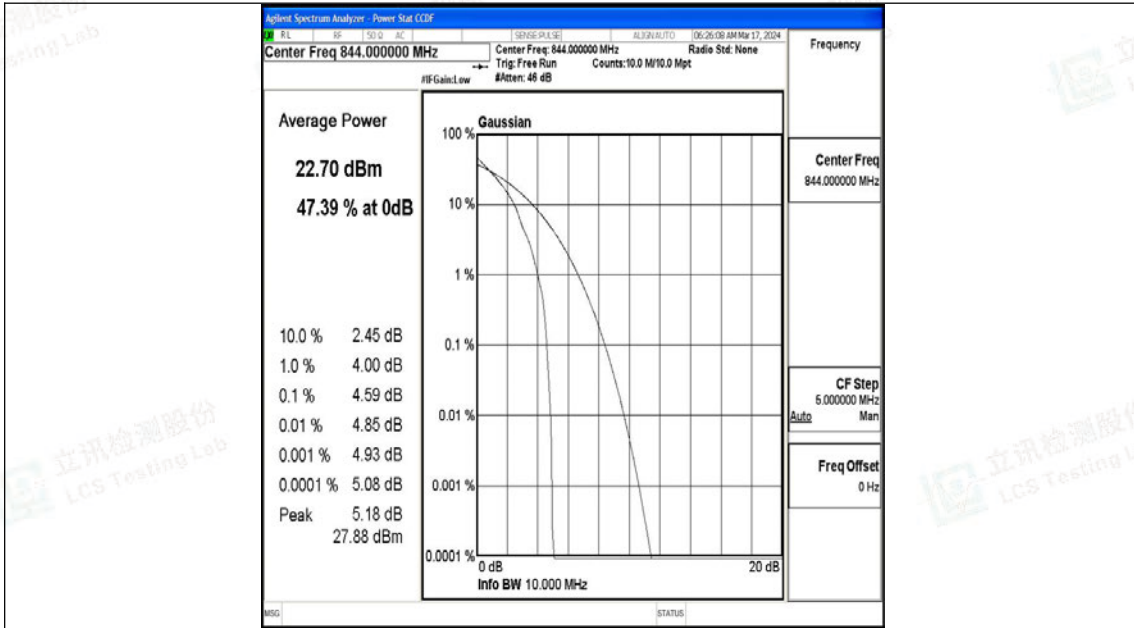


Band5-10MHz-QPSK-20525-50RB#0-PASS

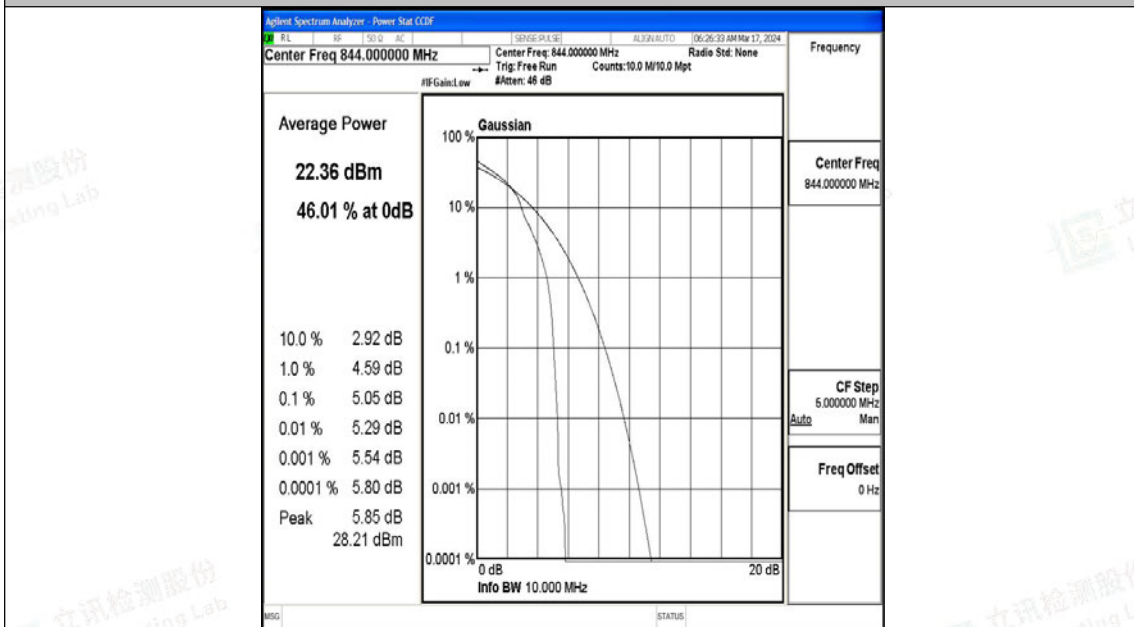


Band5-10MHz-16QAM-20525-50RB#0-PASS



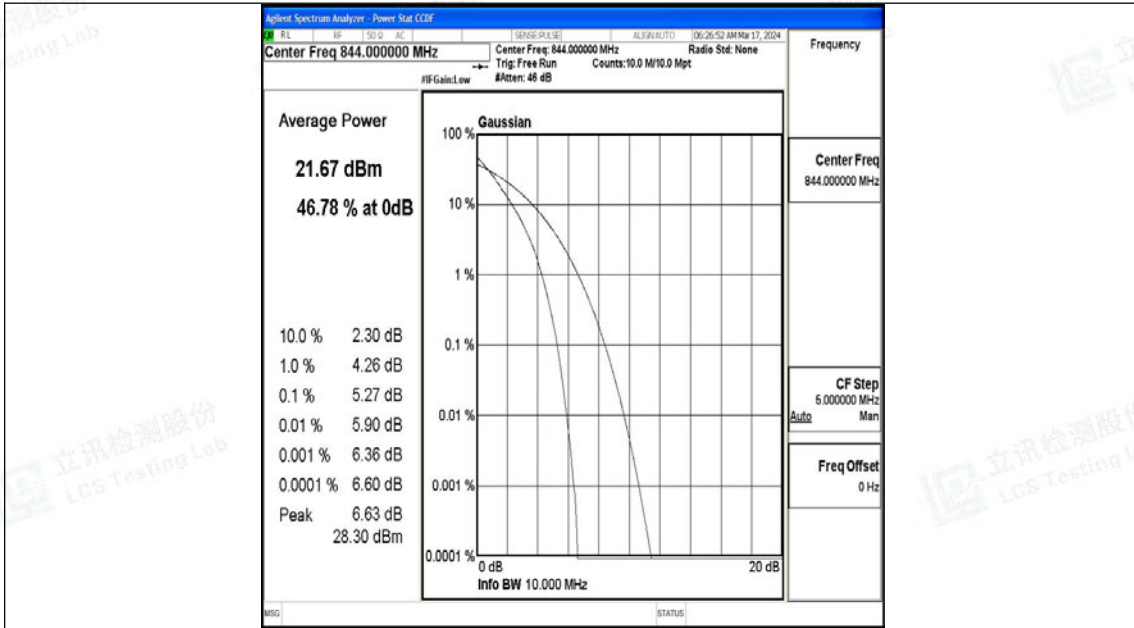


Band5-10MHz-QPSK-20600-1RB#0-PASS

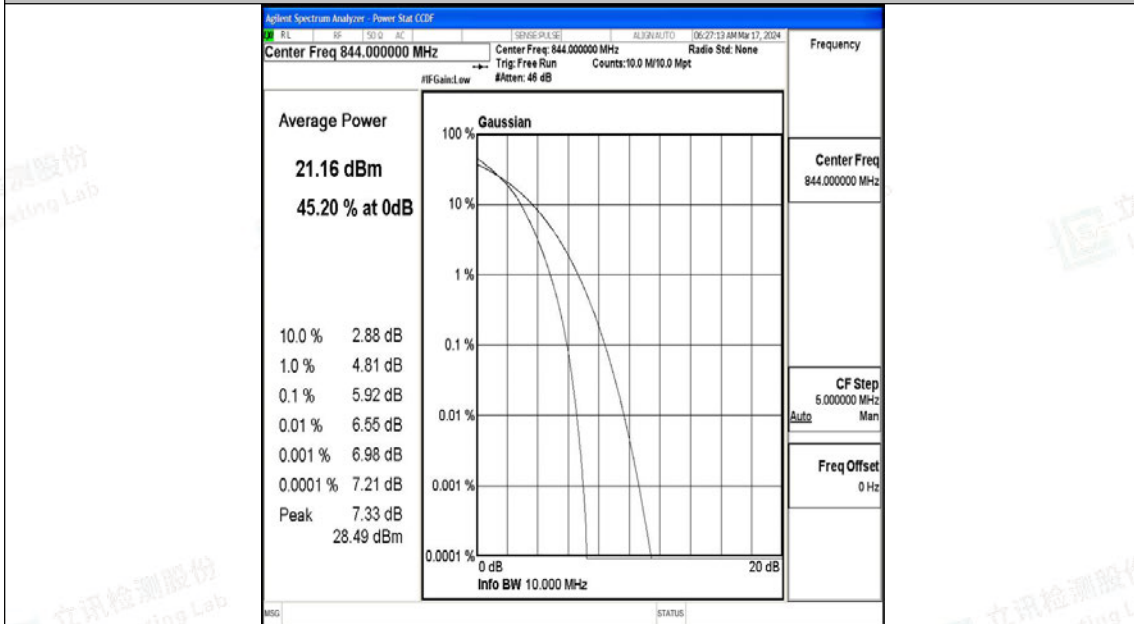


Band5-10MHz-16QAM-20600-1RB#0-PASS





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



Band5-10MHz-16QAM-20600-50RB#0-PASS





J.3 26dB Bandwidth and Occupied Bandwidth

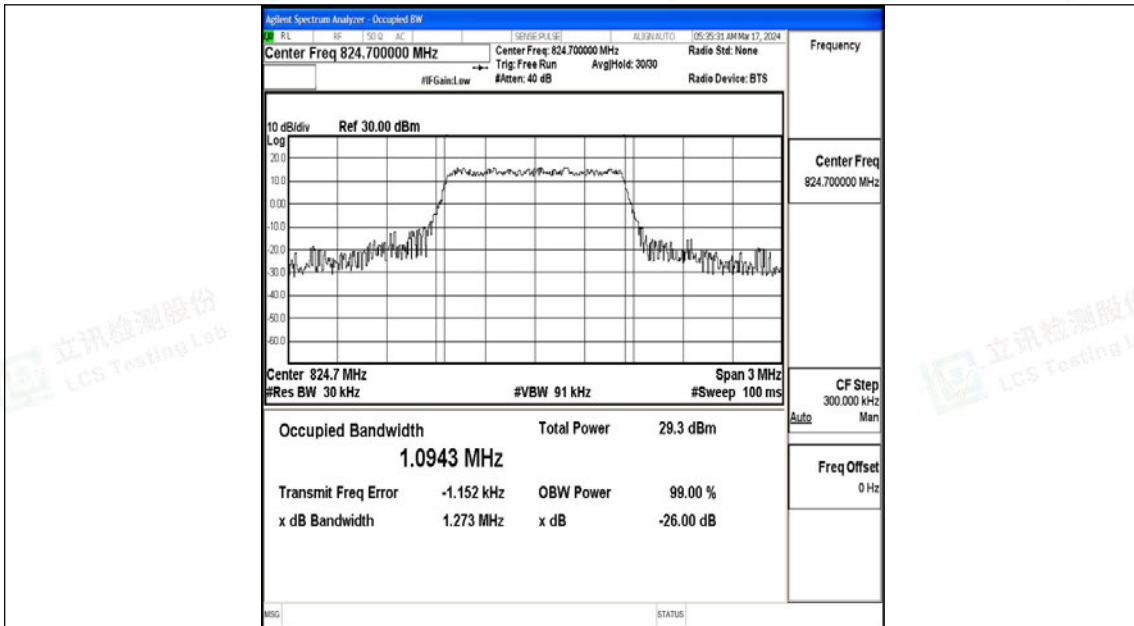
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0943	1.273	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1032	1.321	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1002	1.325	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1002	1.295	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1016	1.283	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0939	1.373	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7059	3.040	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7082	3.098	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7084	3.148	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7081	3.223	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7043	3.066	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7060	3.257	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5259	5.267	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5237	5.243	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5161	5.313	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5318	5.370	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5314	5.251	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5465	5.354	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9769	9.990	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9748	10.10	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0154	10.25	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0268	10.46	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9781	9.924	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9846	9.956	PASS

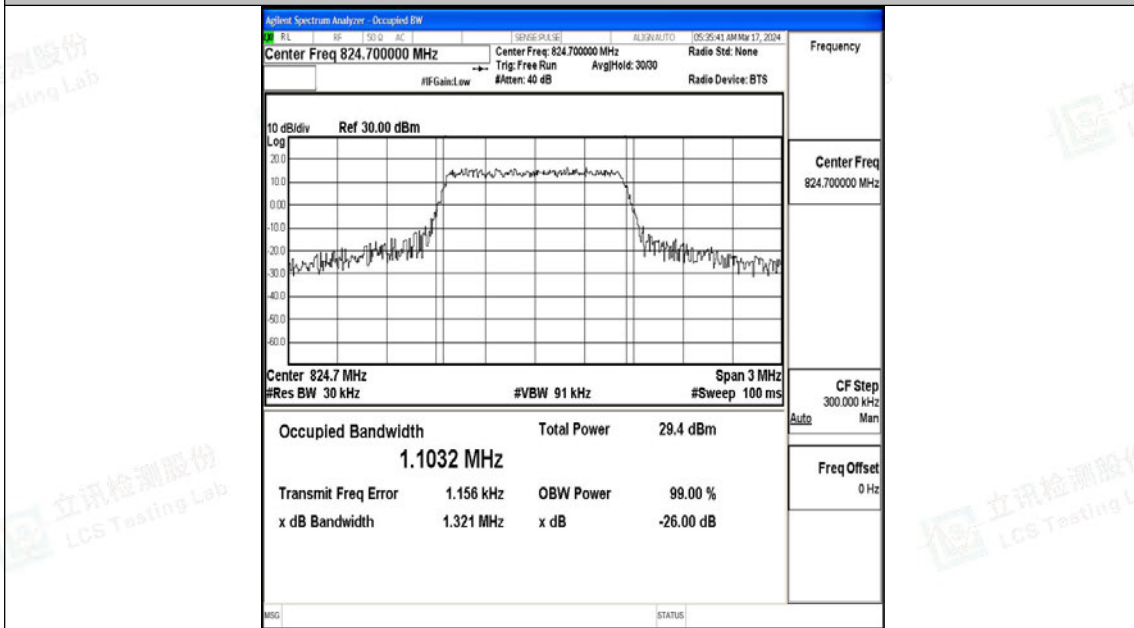




Test Graphs

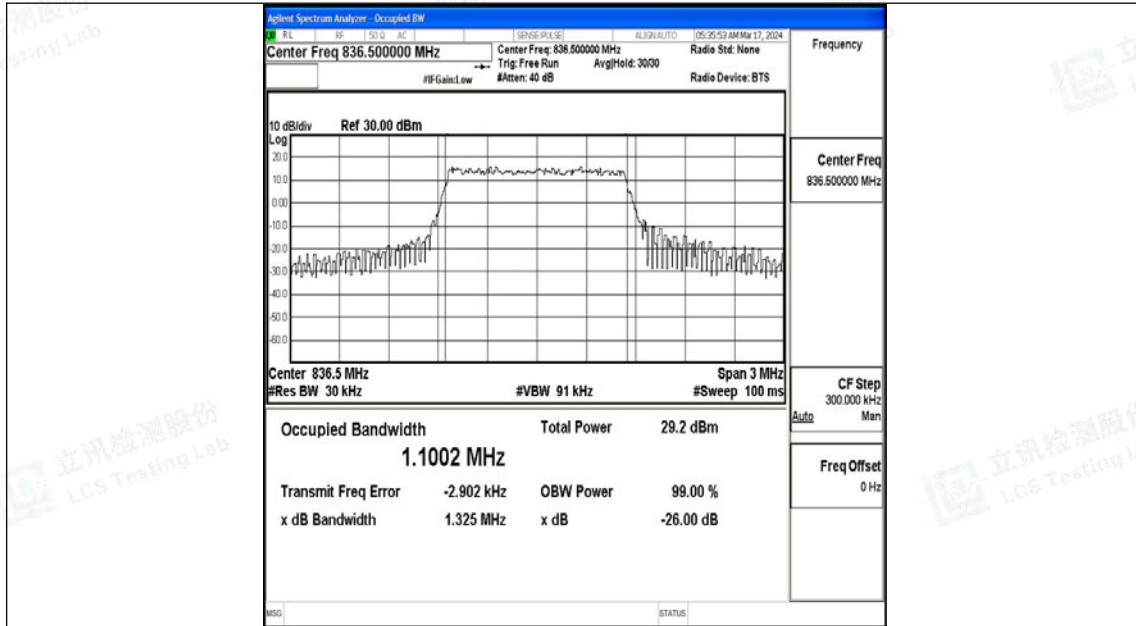


Band5-1.4MHz-QPSK-20407-6RB#0-PASS

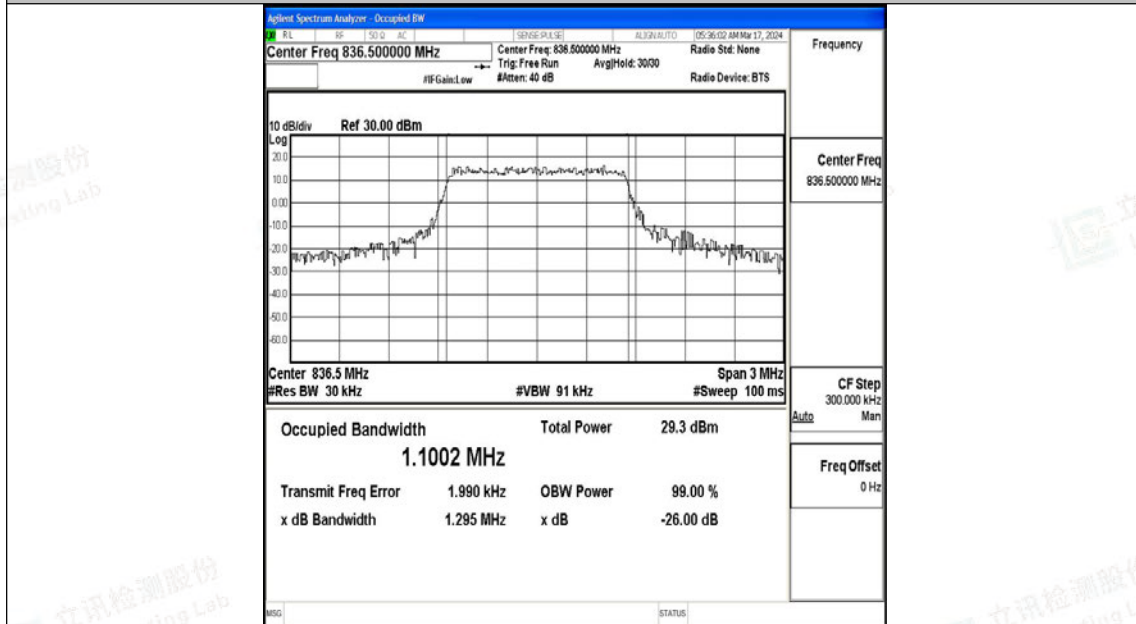


Band5-1.4MHz-16QAM-20407-6RB#0-PASS



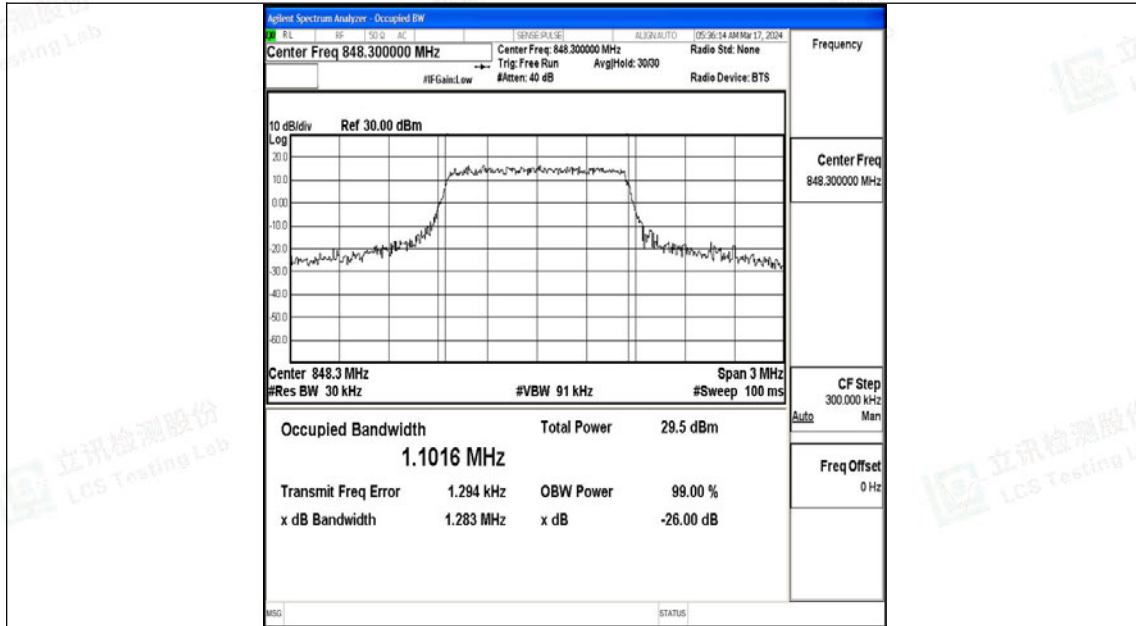


Band5-1.4MHz-QPSK-20525-6RB#0-PASS

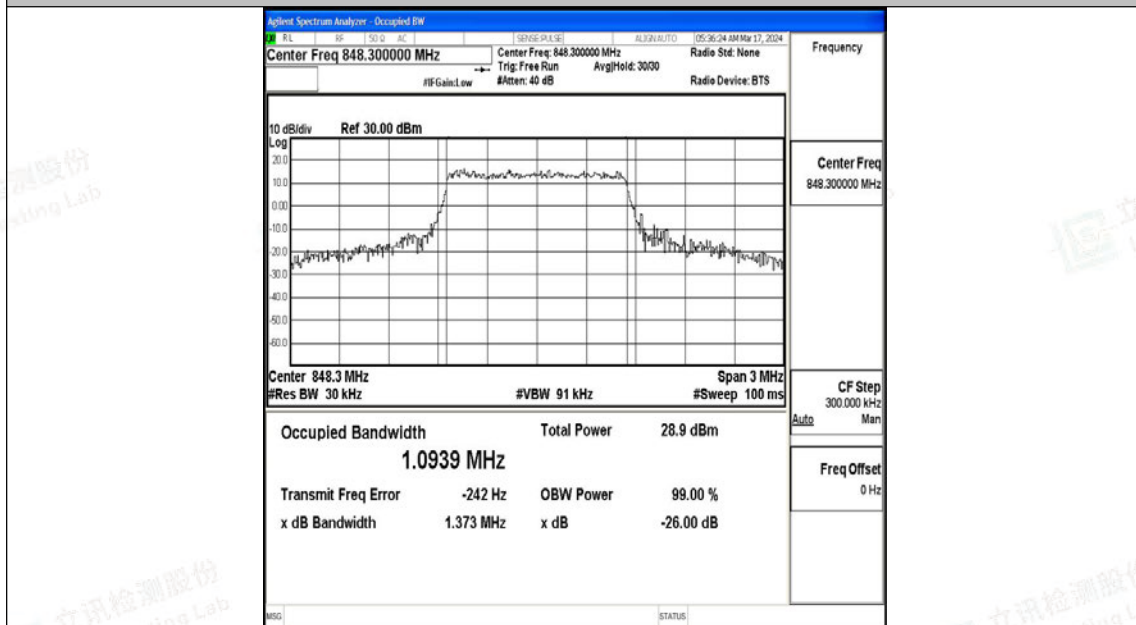


Band5-1.4MHz-16QAM-20525-6RB#0-PASS



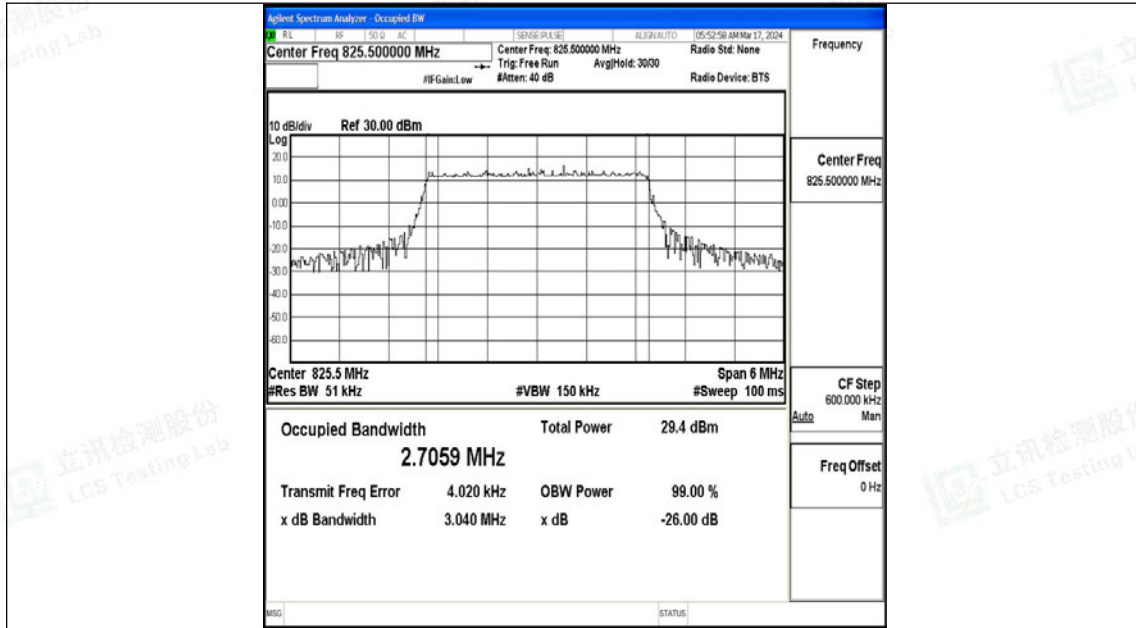


Band5-1.4MHz-QPSK-20643-6RB#0-PASS

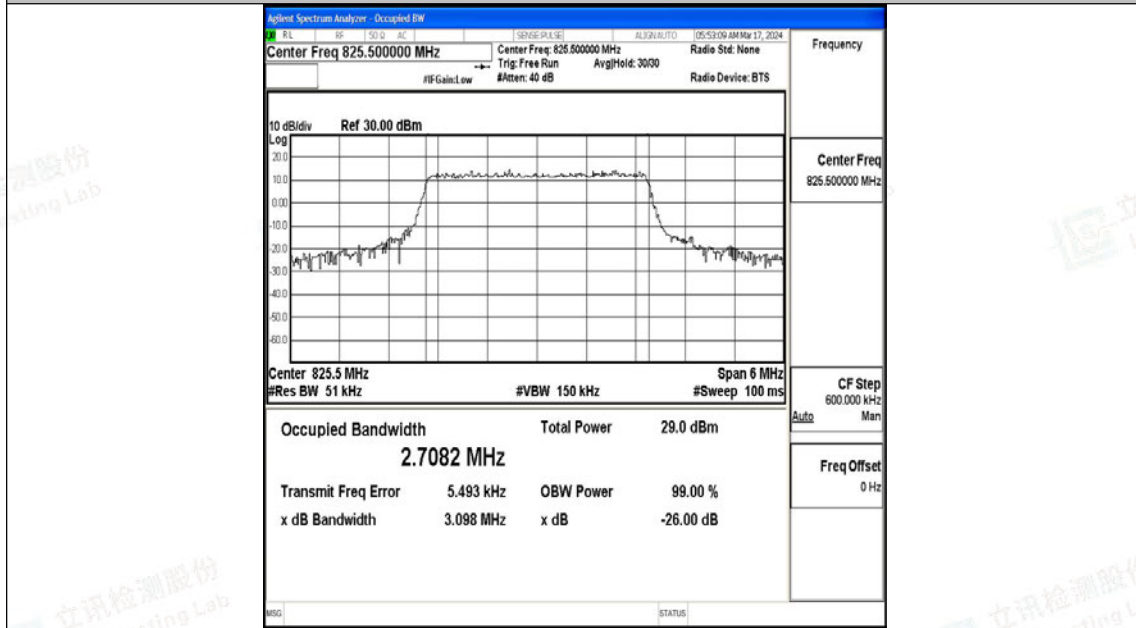


Band5-1.4MHz-16QAM-20643-6RB#0-PASS



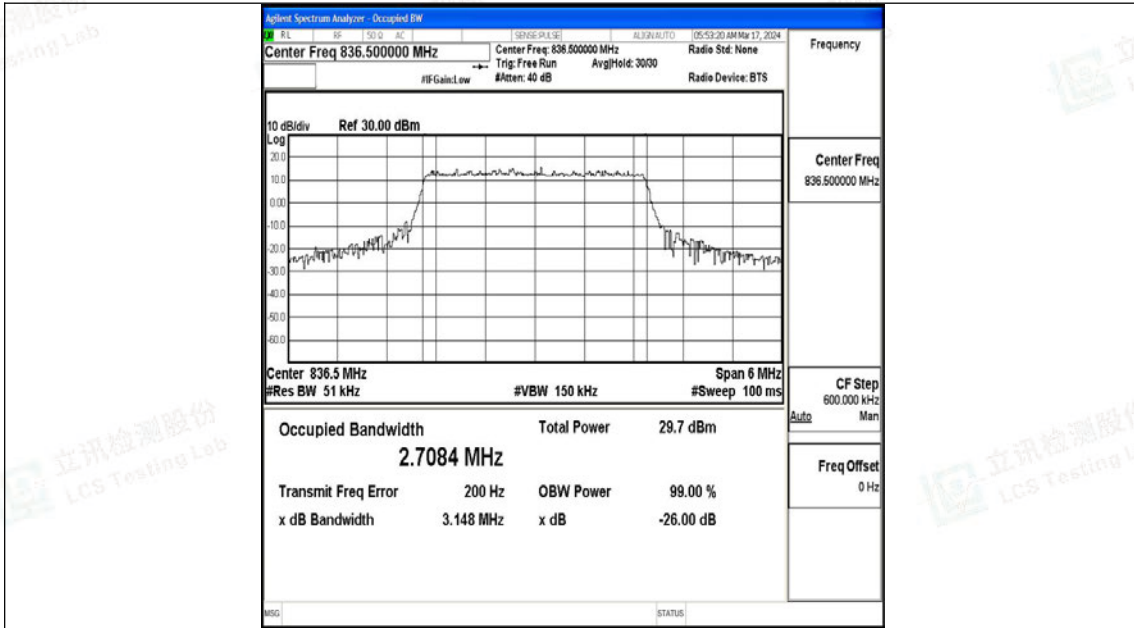


Band5-3MHz-QPSK-20415-15RB#0-PASS

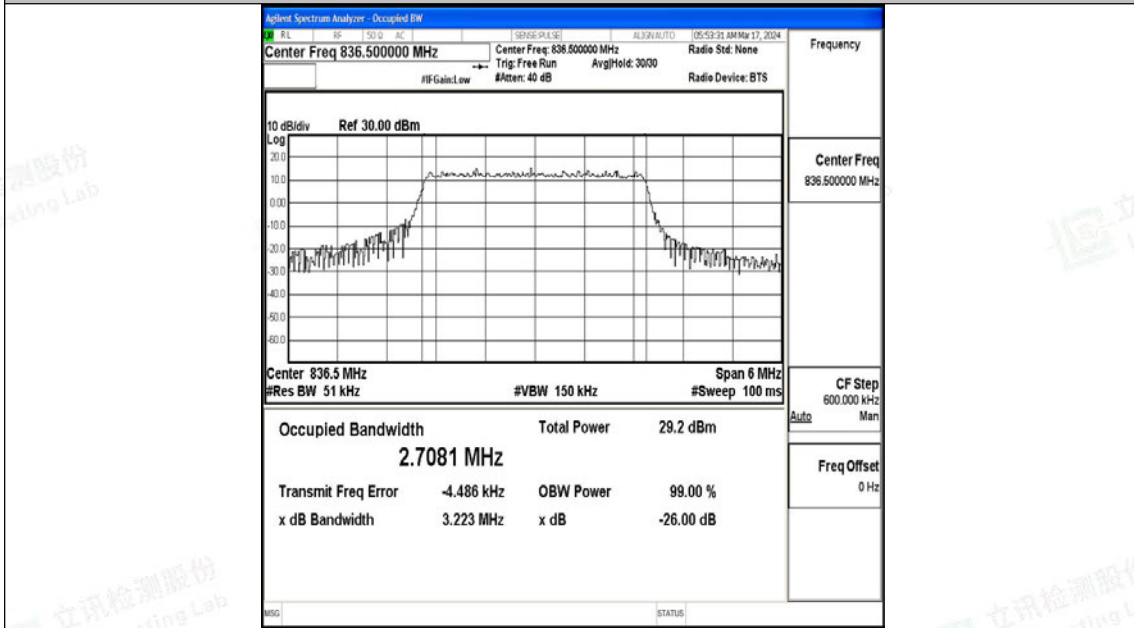


Band5-3MHz-16QAM-20415-15RB#0-PASS



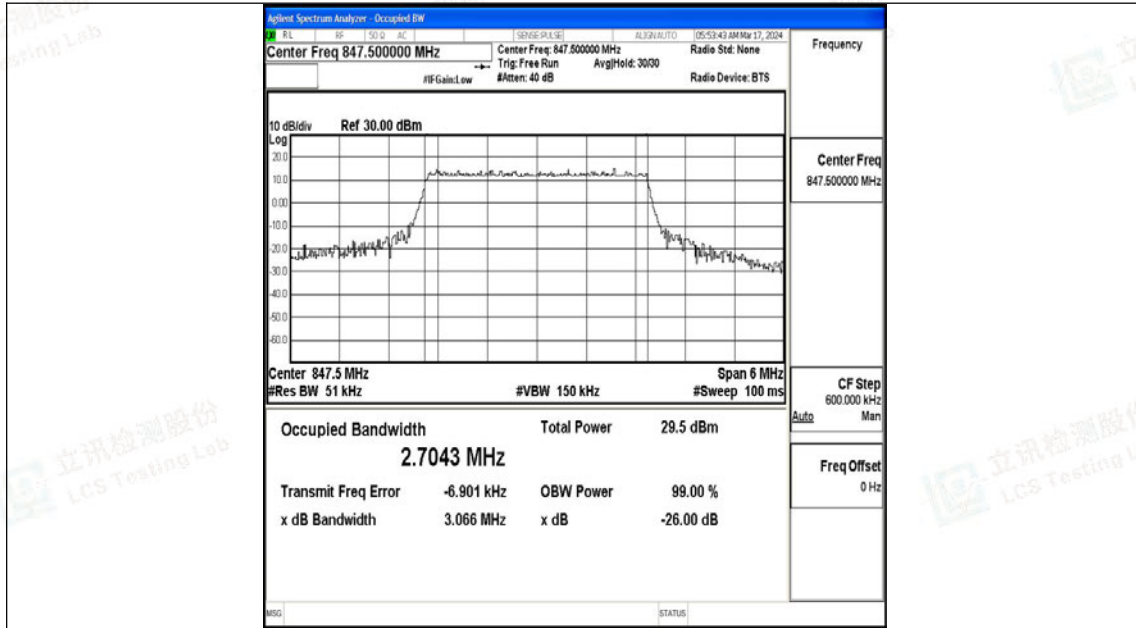


Band5-3MHz-QPSK-20525-15RB#0-PASS

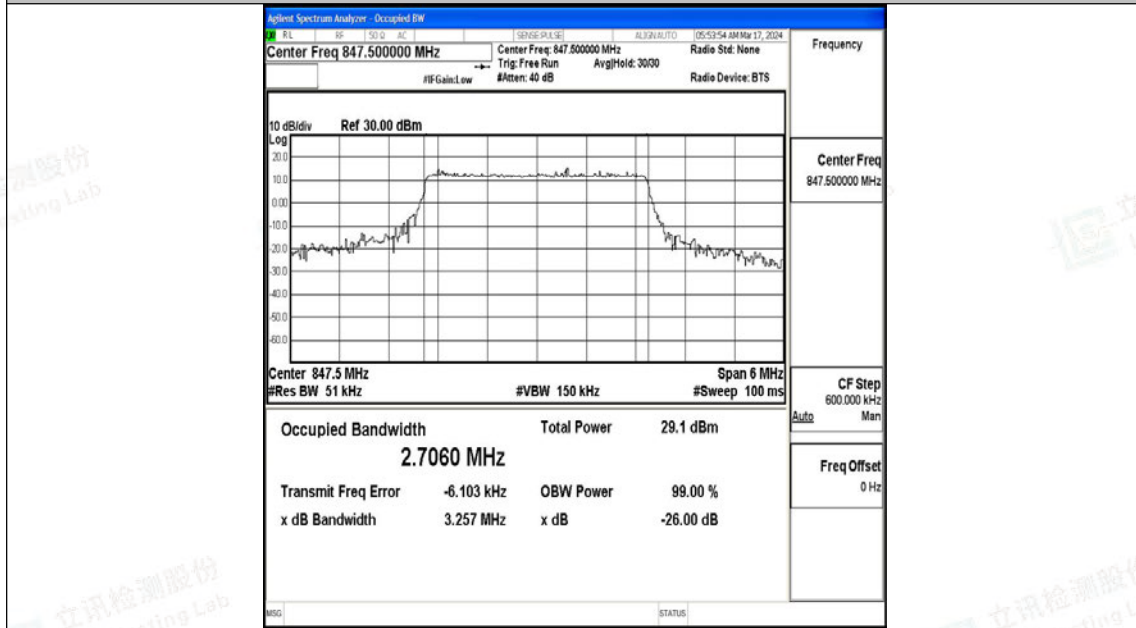


Band5-3MHz-16QAM-20525-15RB#0-PASS



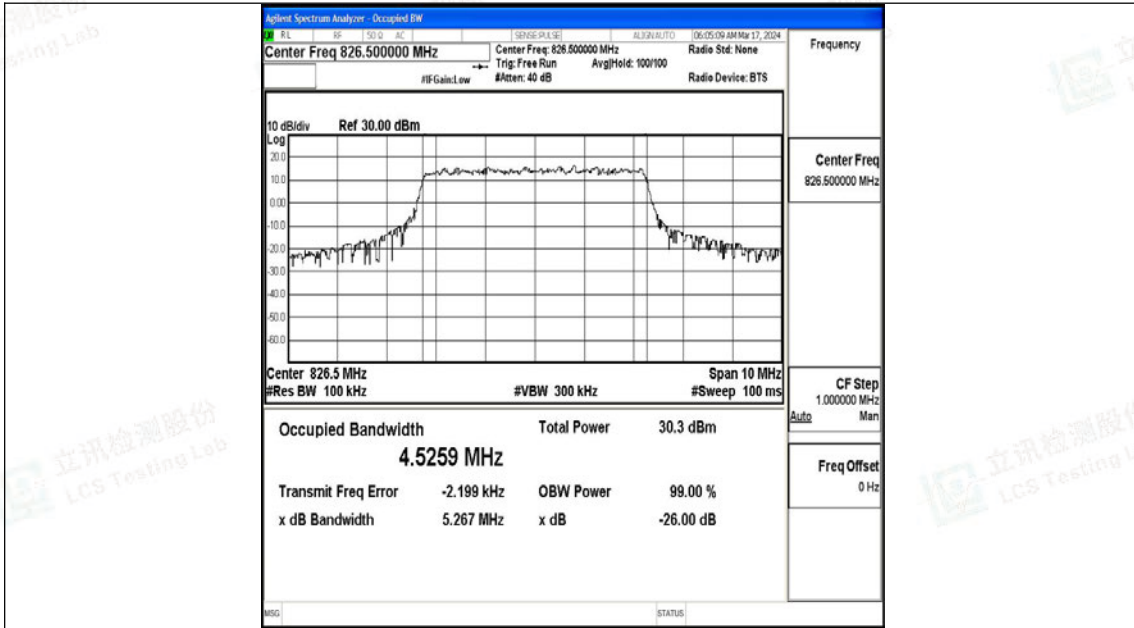


Band5-3MHz-QPSK-20635-15RB#0-PASS

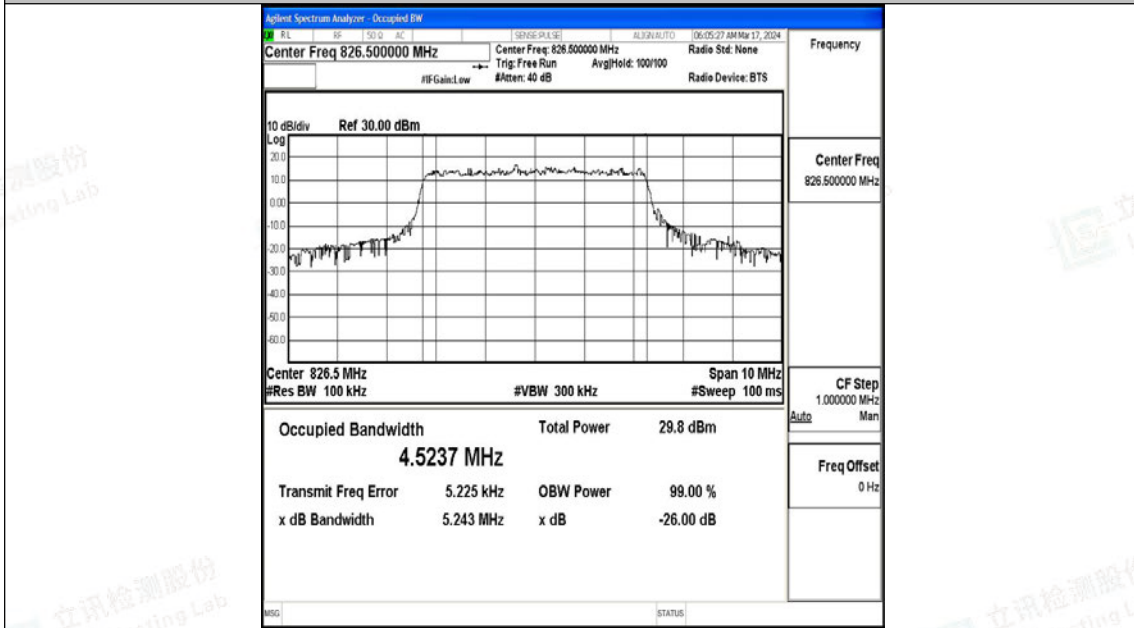


Band5-3MHz-16QAM-20635-15RB#0-PASS



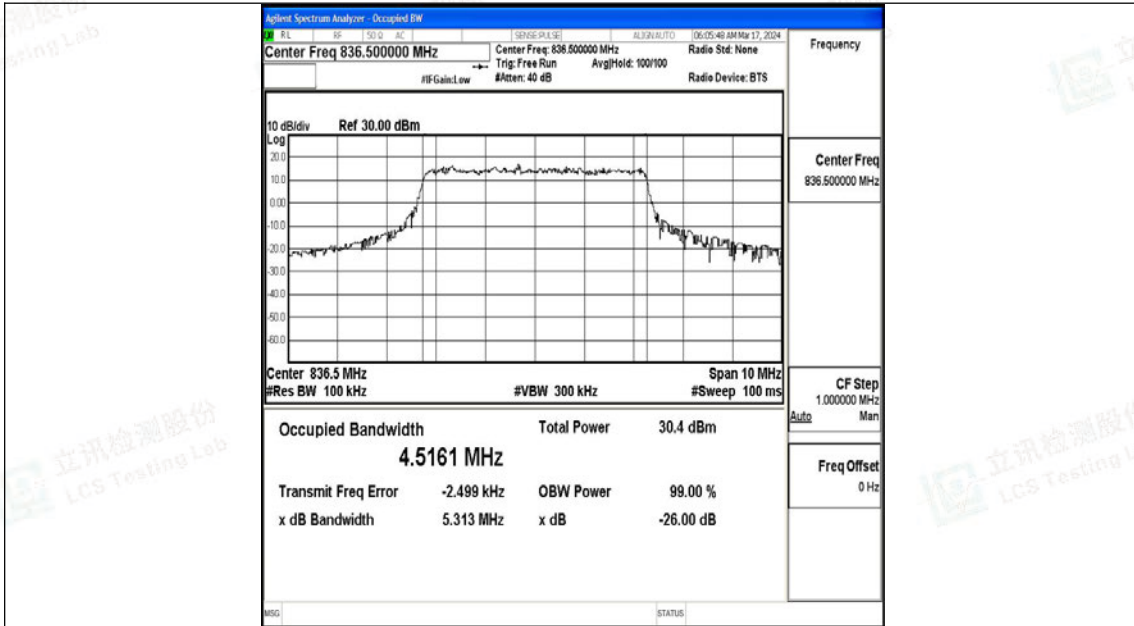


Band5-5MHz-QPSK-20425-25RB#0-PASS

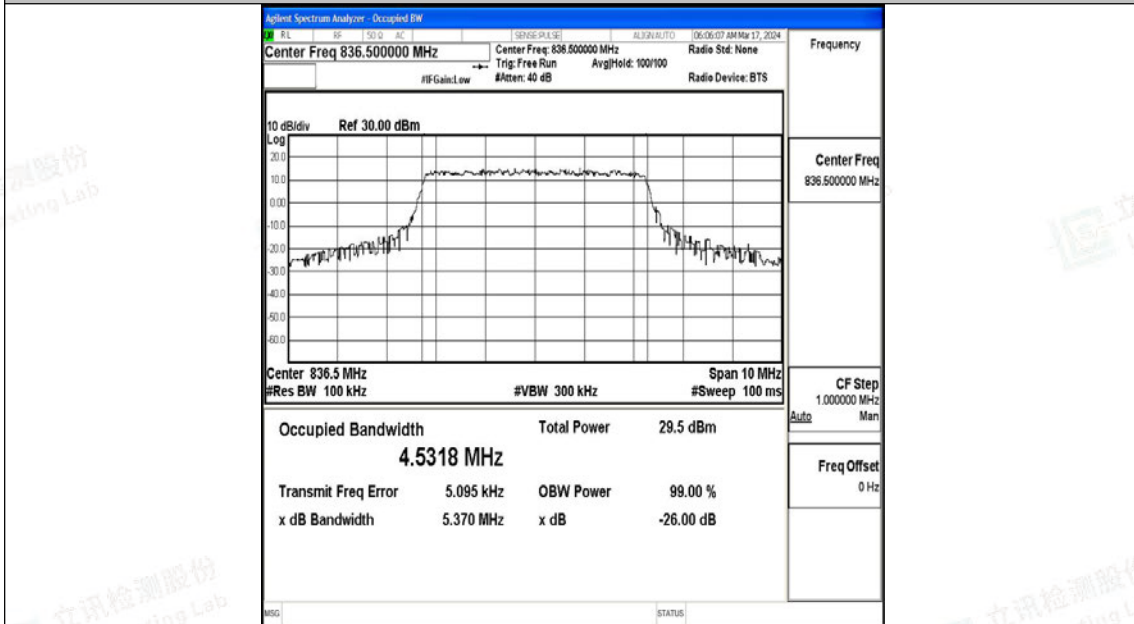


Band5-5MHz-16QAM-20425-25RB#0-PASS



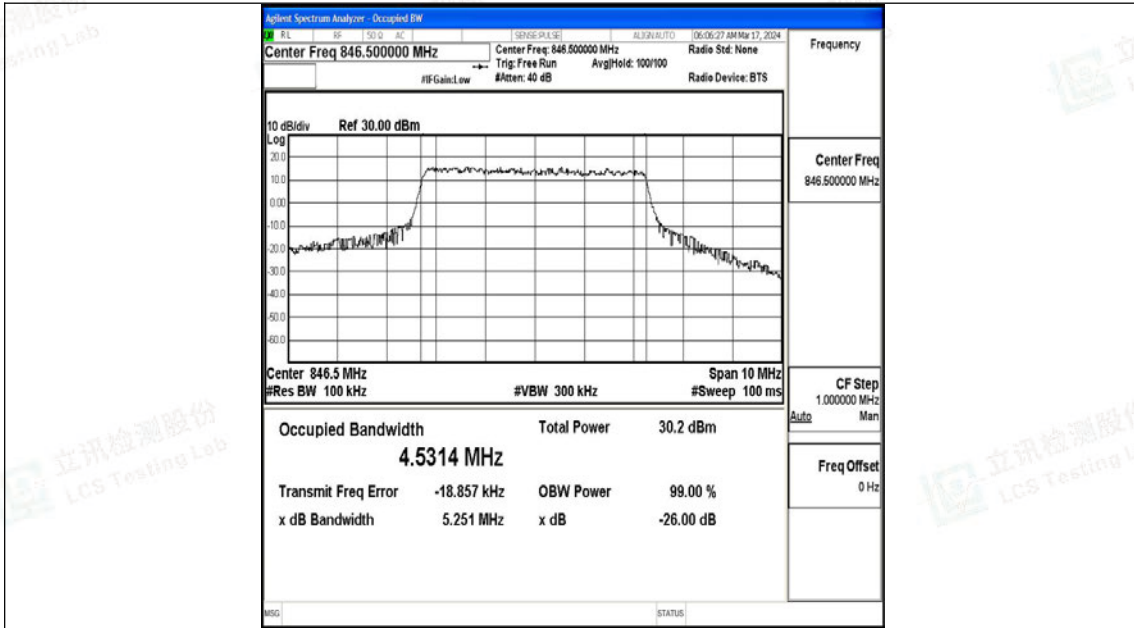


Band5-5MHz-QPSK-20525-25RB#0-PASS

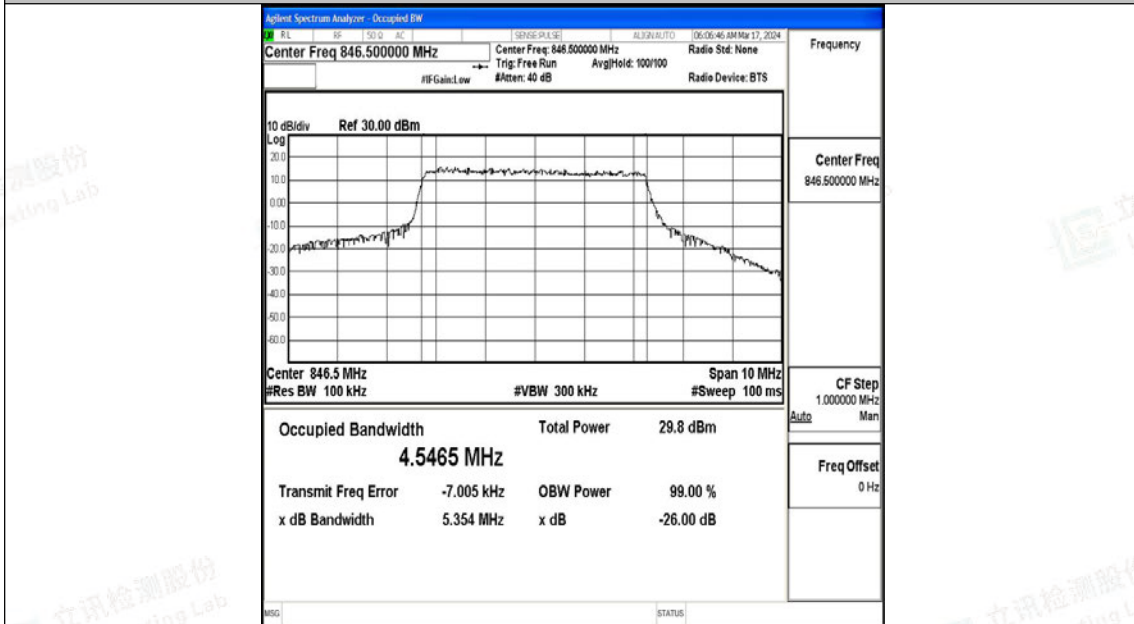


Band5-5MHz-16QAM-20525-25RB#0-PASS



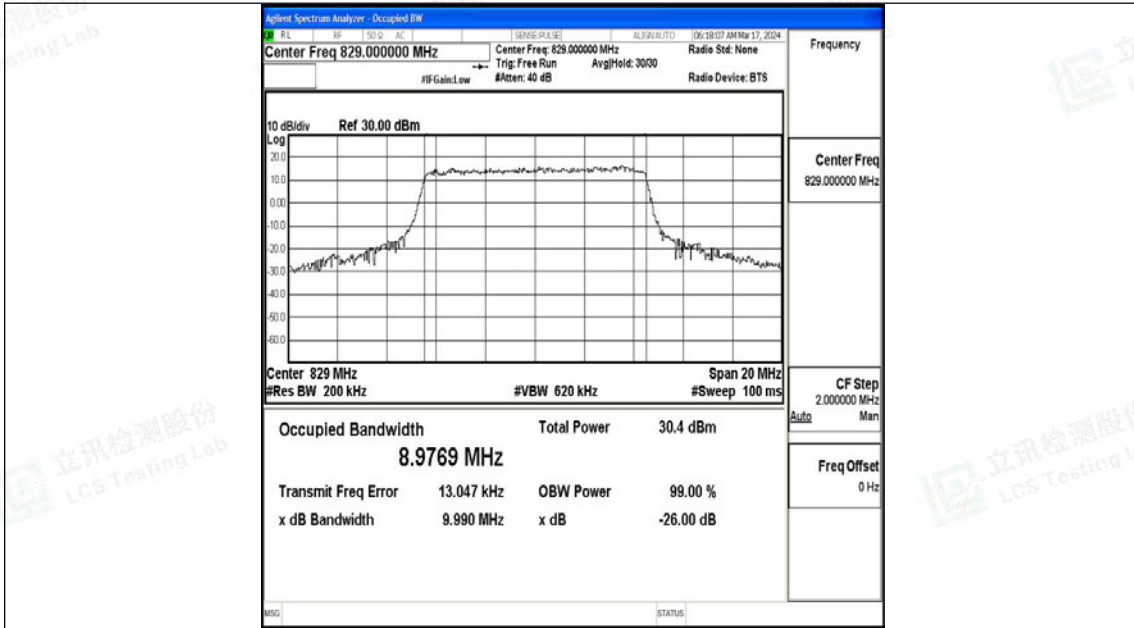


Band5-5MHz-QPSK-20625-25RB#0-PASS

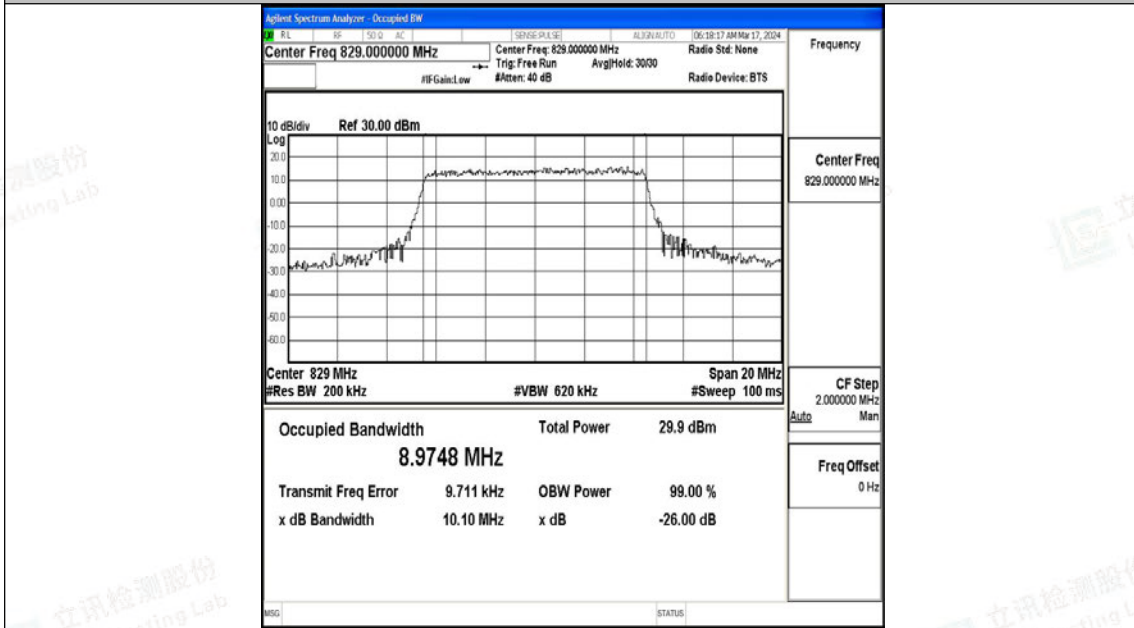


Band5-5MHz-16QAM-20625-25RB#0-PASS



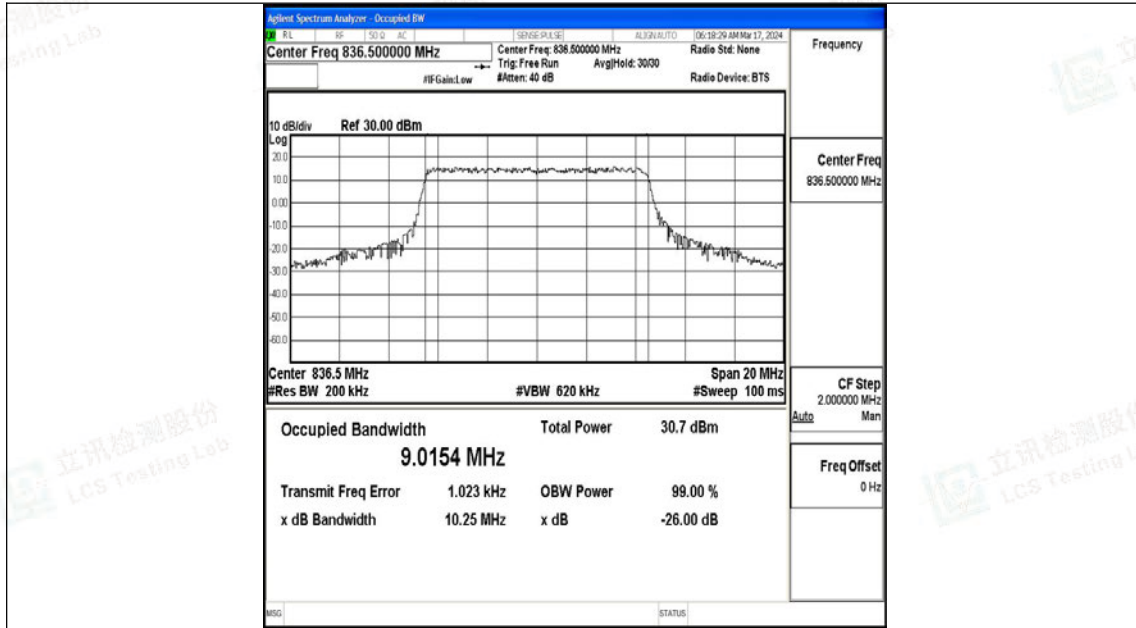


Band5-10MHz-QPSK-20450-50RB#0-PASS

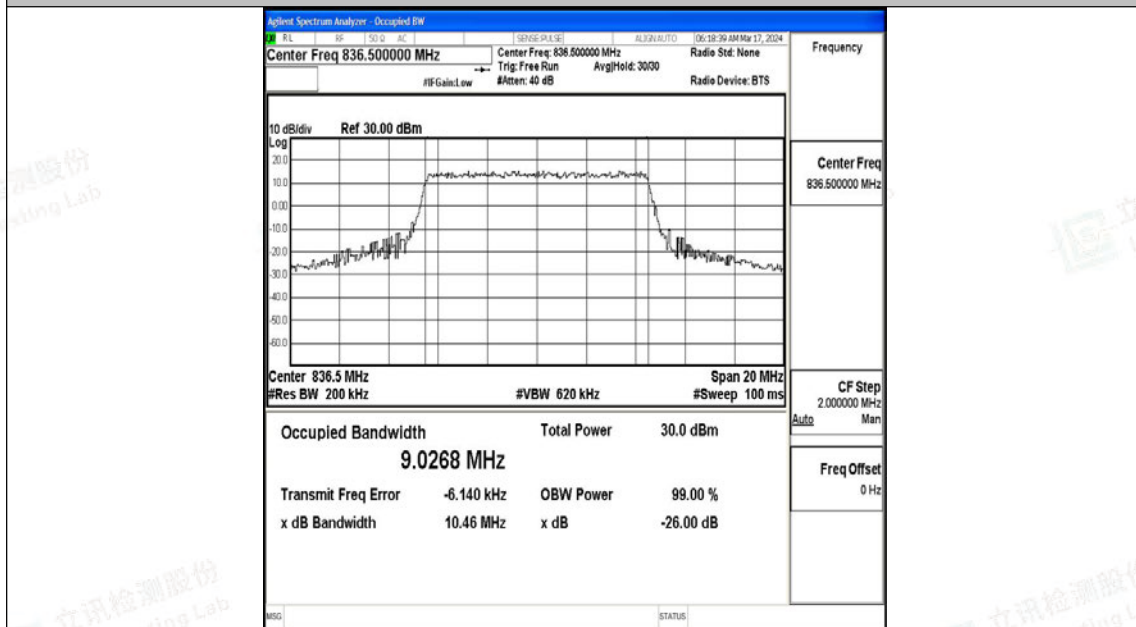


Band5-10MHz-16QAM-20450-50RB#0-PASS



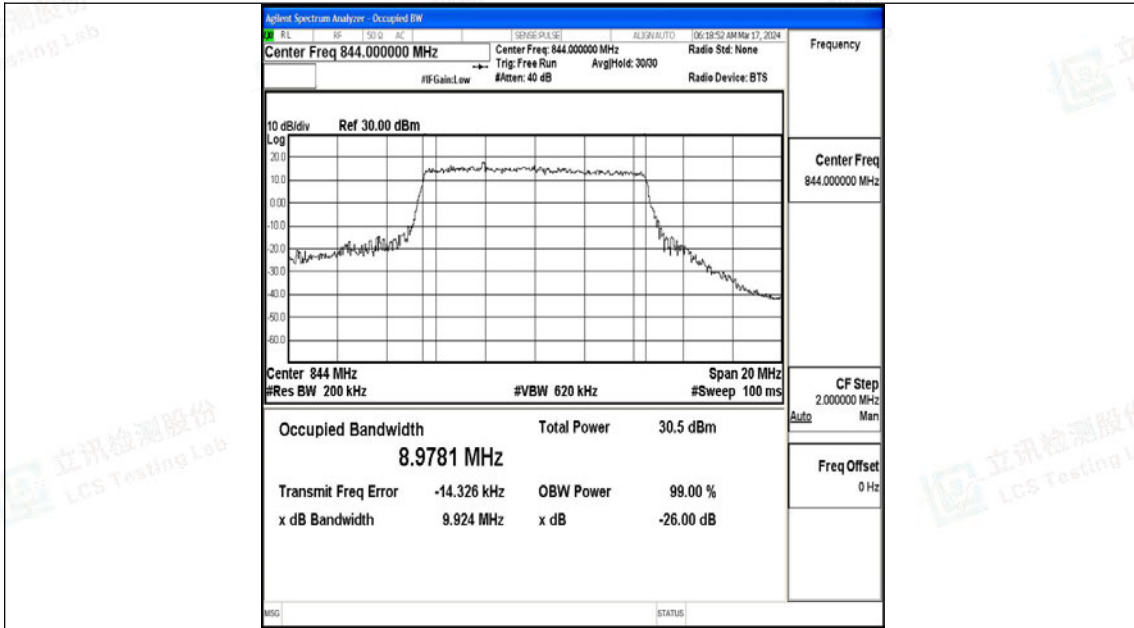


Band5-10MHz-QPSK-20525-50RB#0-PASS

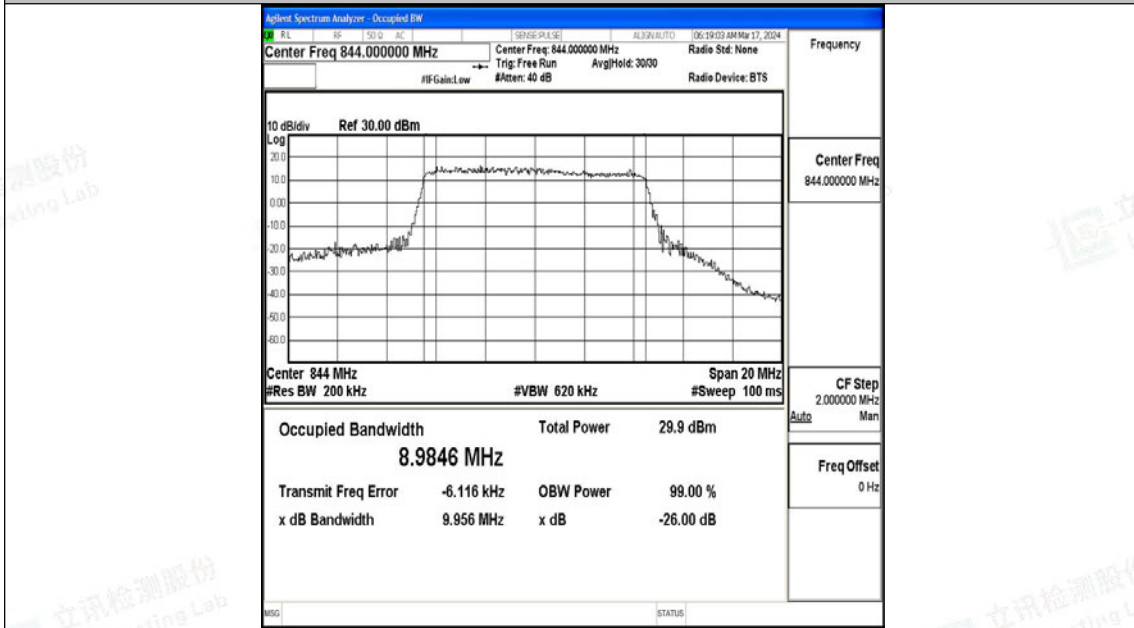


Band5-10MHz-16QAM-20525-50RB#0-PASS





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



Band5-10MHz-16QAM-20600-50RB#0-PASS



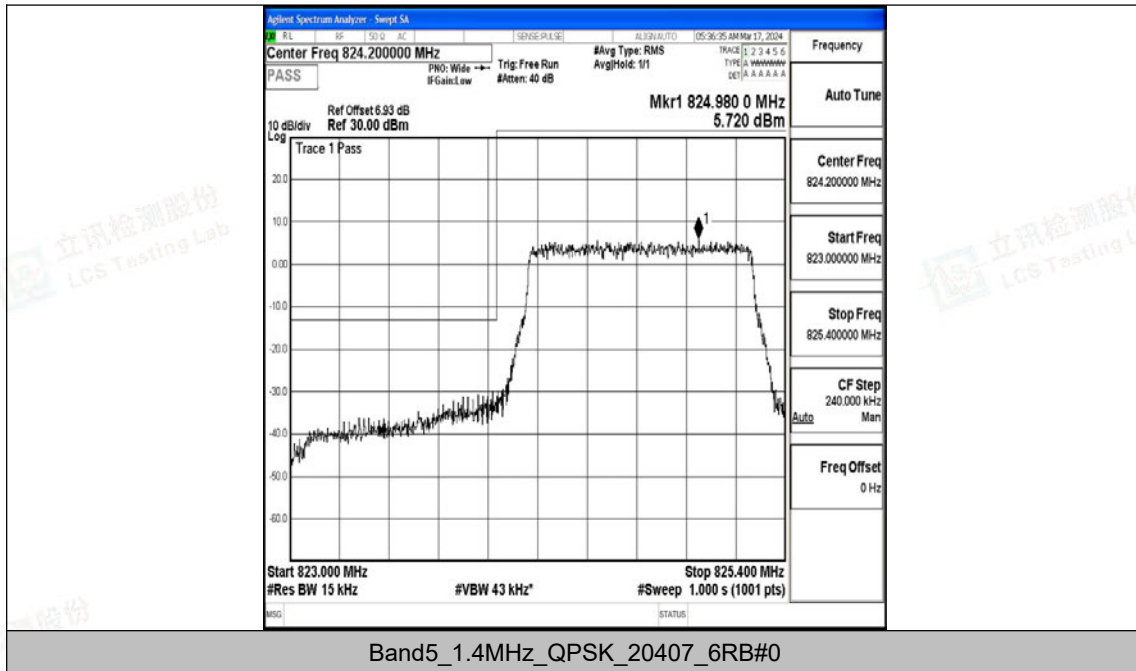


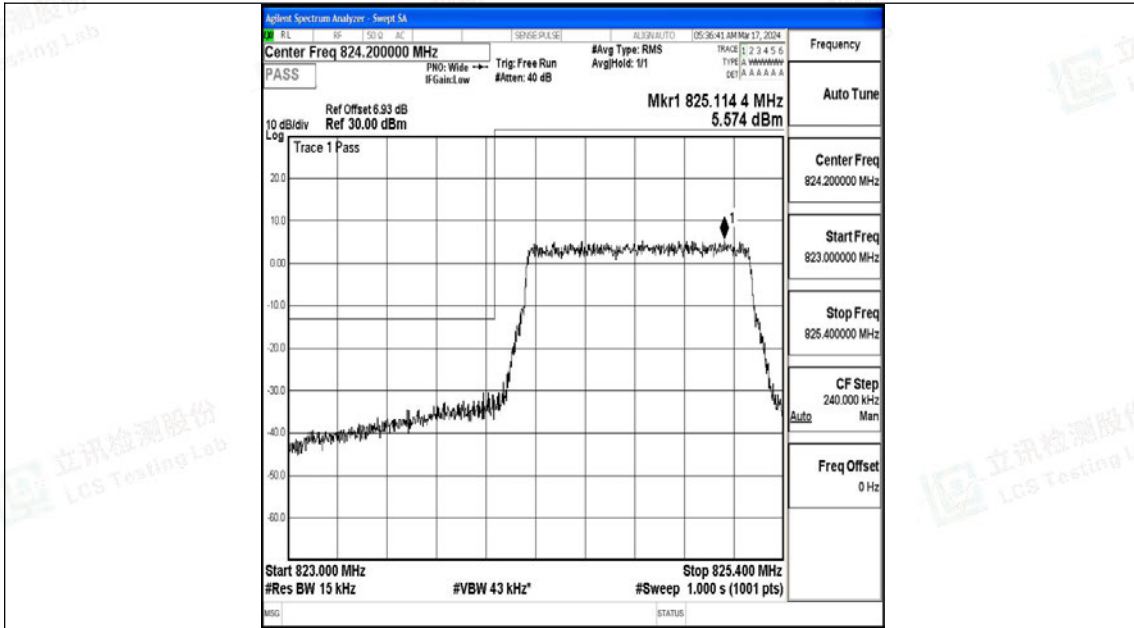
J.4 Band Edge

Test Result

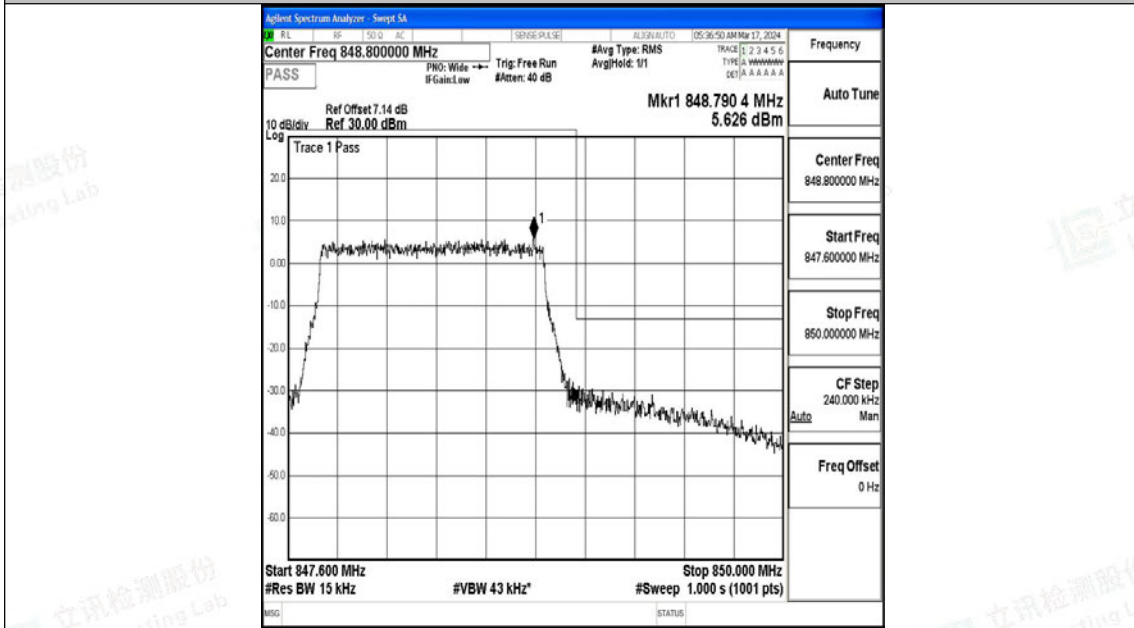
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.98	-30.16	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.95	-30.61	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.01	-28.93	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.07	-27.72	PASS
Band5	3MHz	QPSK	20415	15RB#0	823.98	-26.20	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-25.77	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.00	-24.88	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-24.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.97	-29.60	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-30.58	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-28.90	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.03	-28.97	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.97	-34.12	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.99	-35.02	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.09	-32.42	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.05	-32.51	PASS

Test Graphs



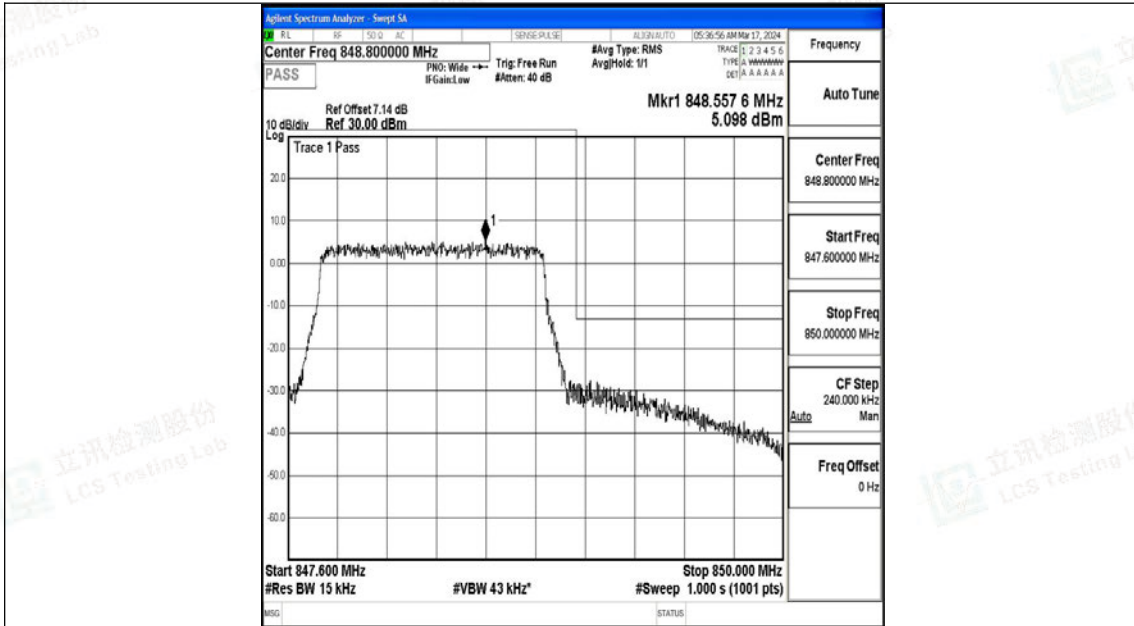


Band5_1.4MHz_16QAM_20407_6RB#0

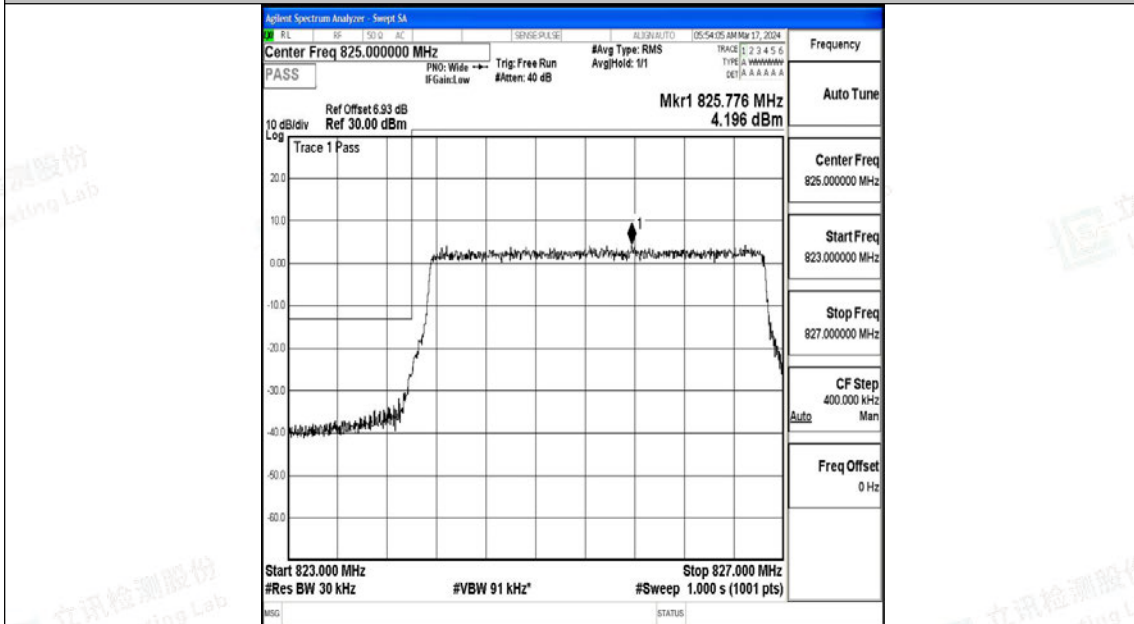


Band5_1.4MHz_QPSK_20643_6RB#0



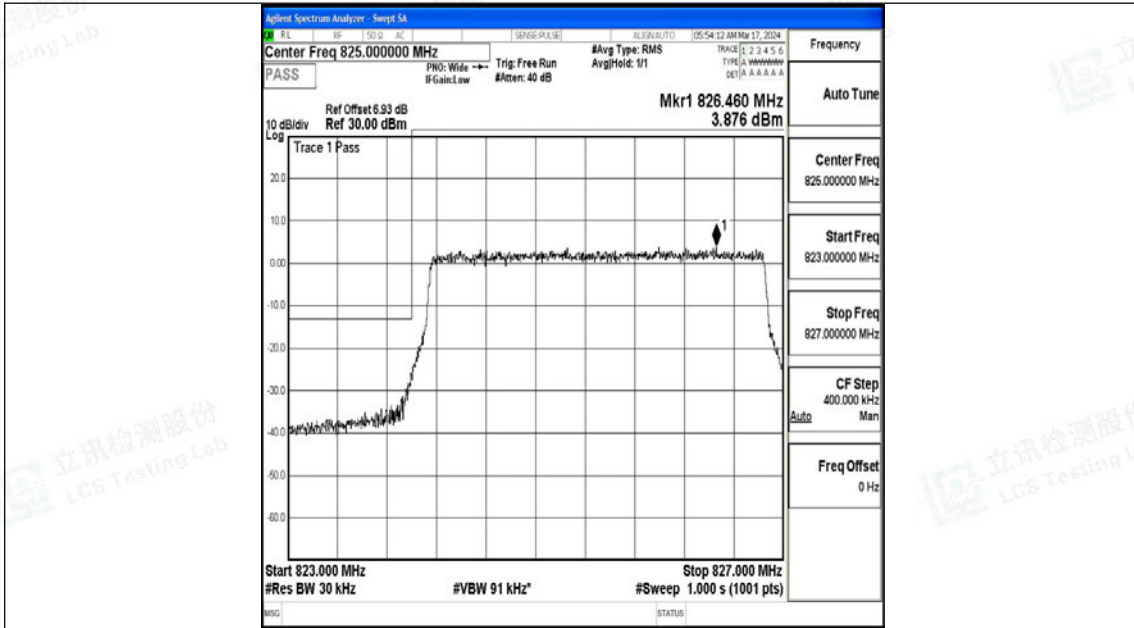


Band5_1.4MHz_16QAM_20643_6RB#0

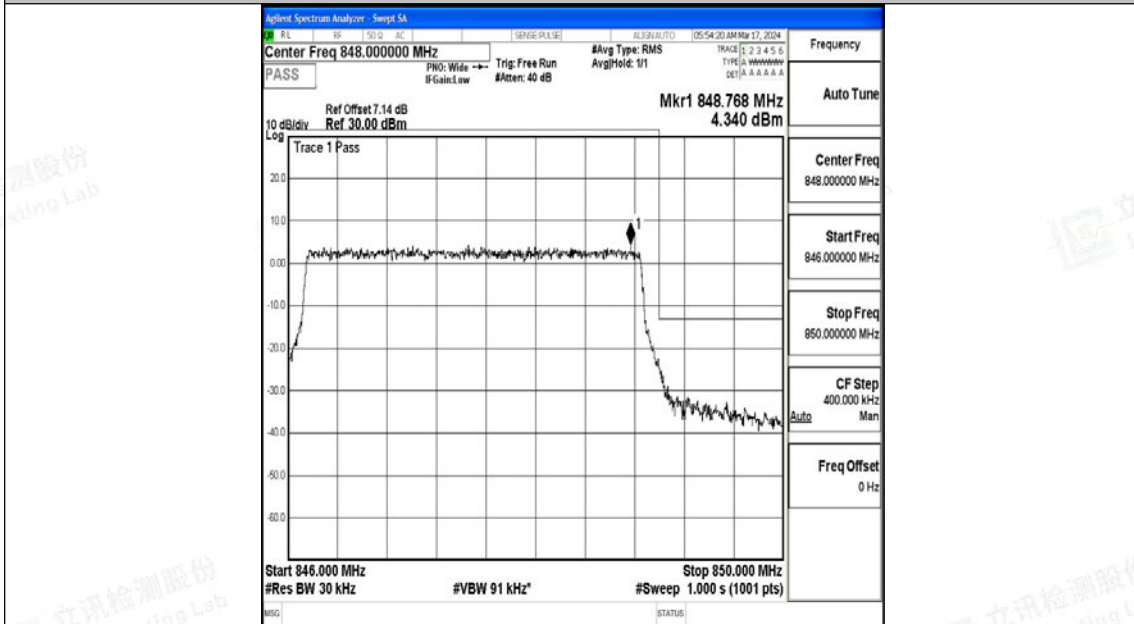


Band5_3MHz_QPSK_20415_15RB#0



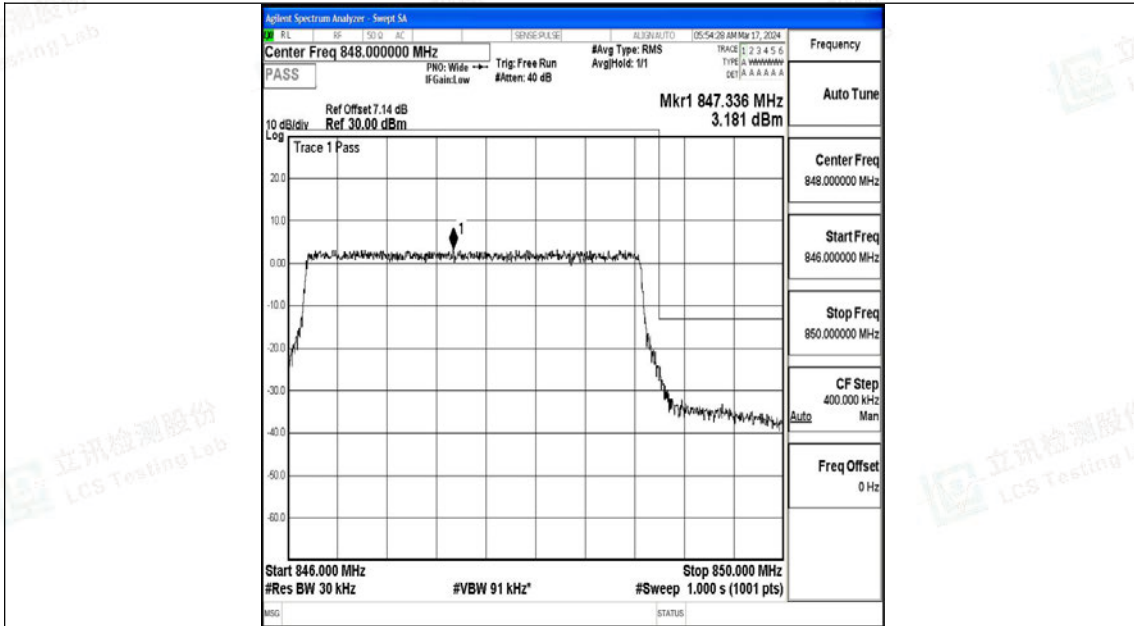


Band5_3MHz_16QAM_20415_15RB#0

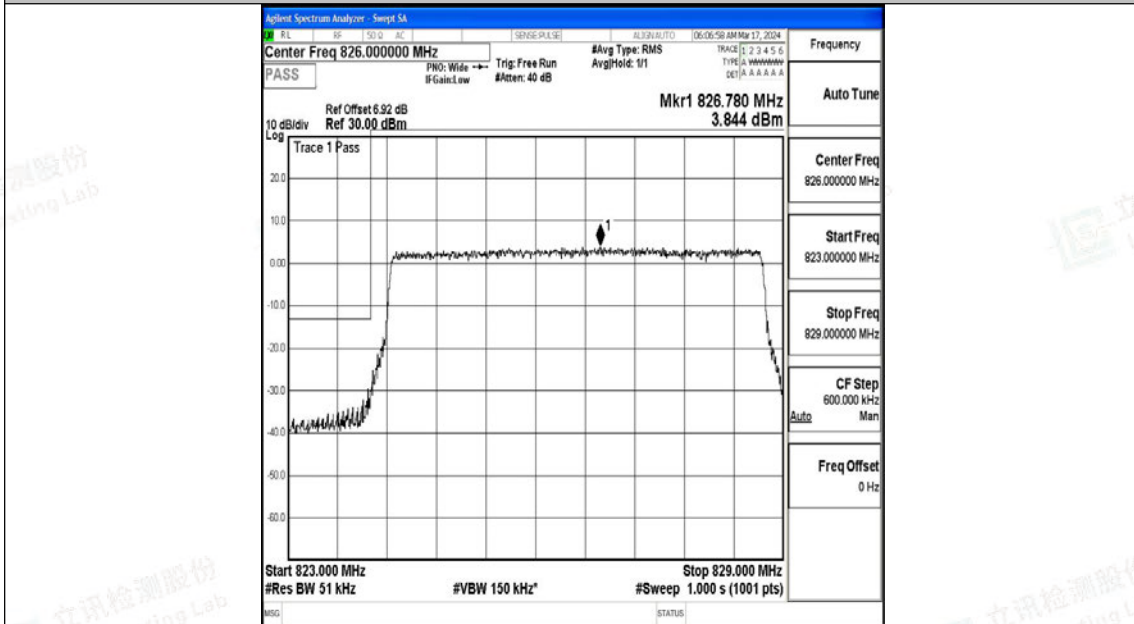


Band5_3MHz_QPSK_20635_15RB#0



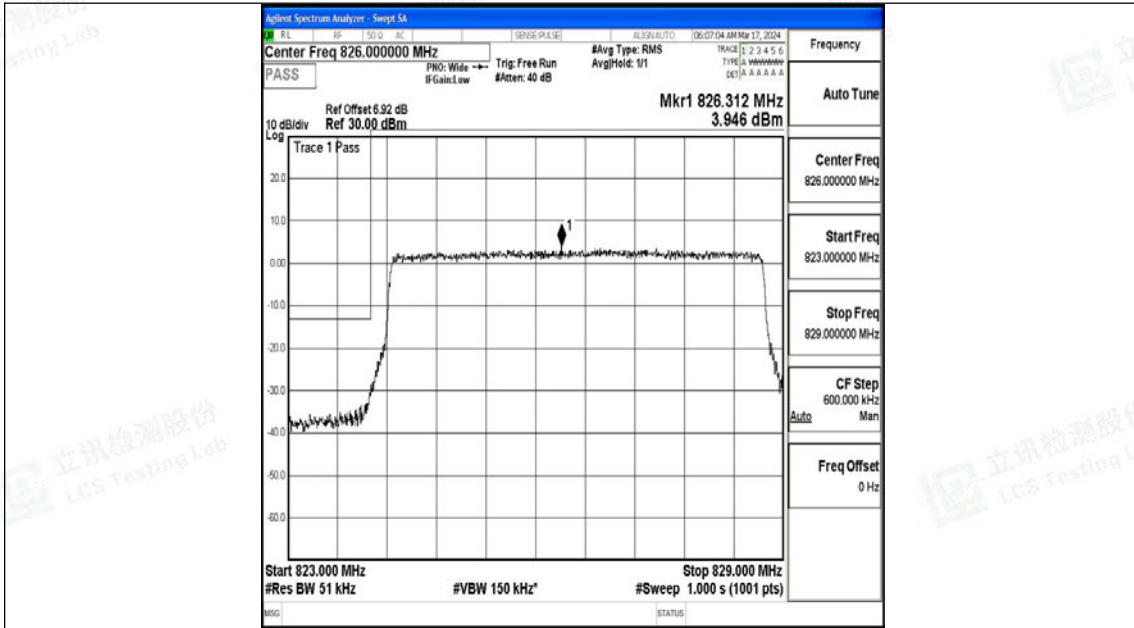


Band5_3MHz_16QAM_20635_15RB#0

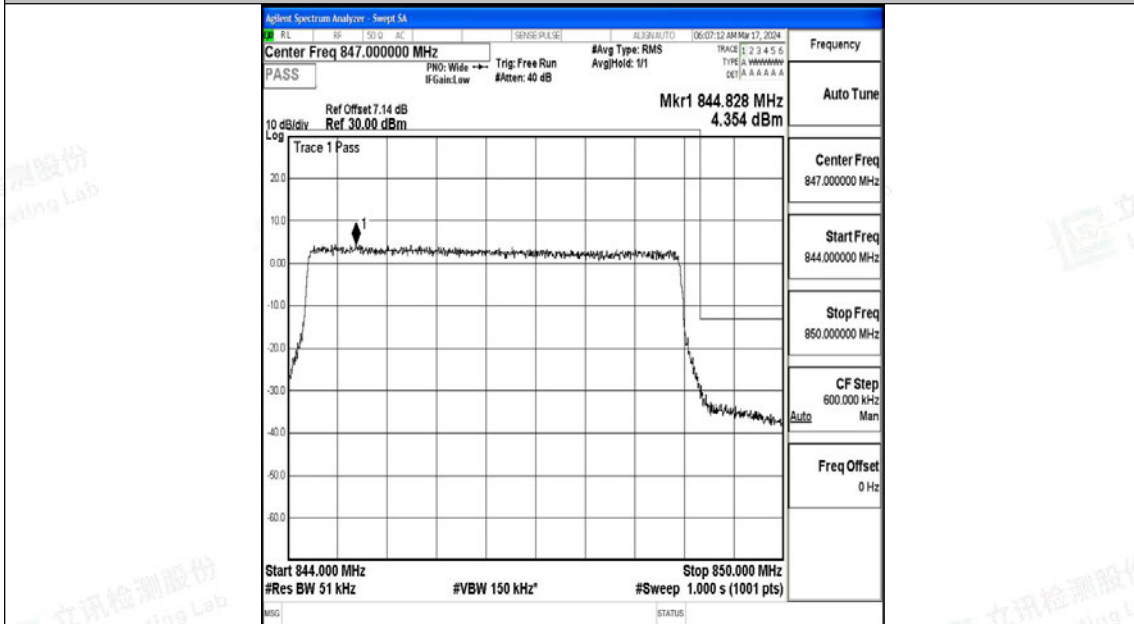


Band5_5MHz_QPSK_20425_25RB#0



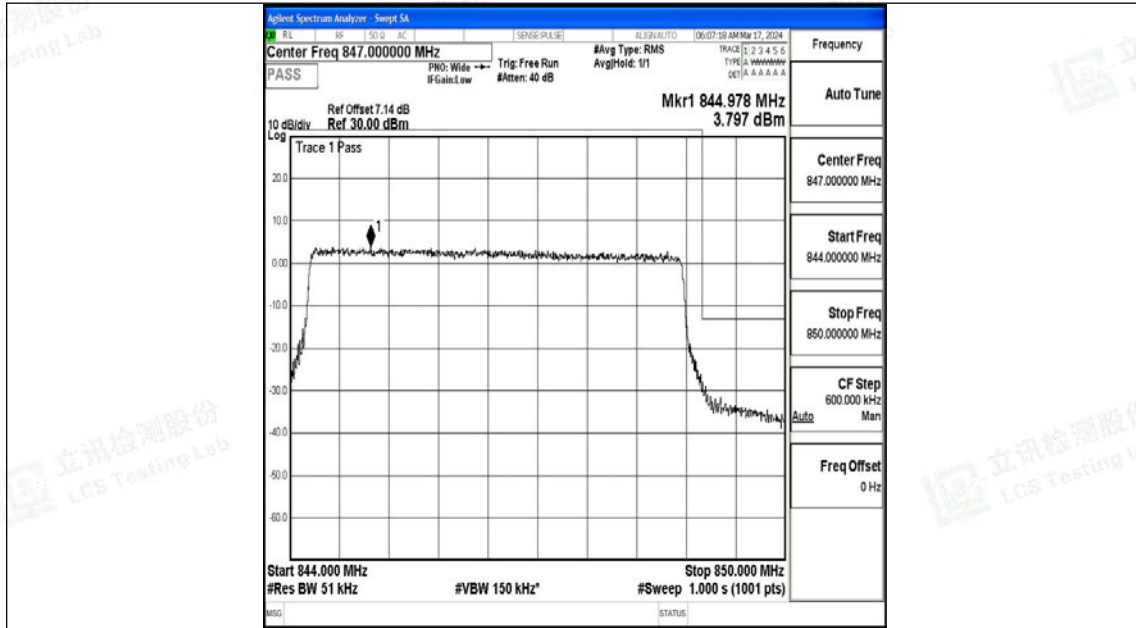


Band5_5MHz_16QAM_20425_25RB#0

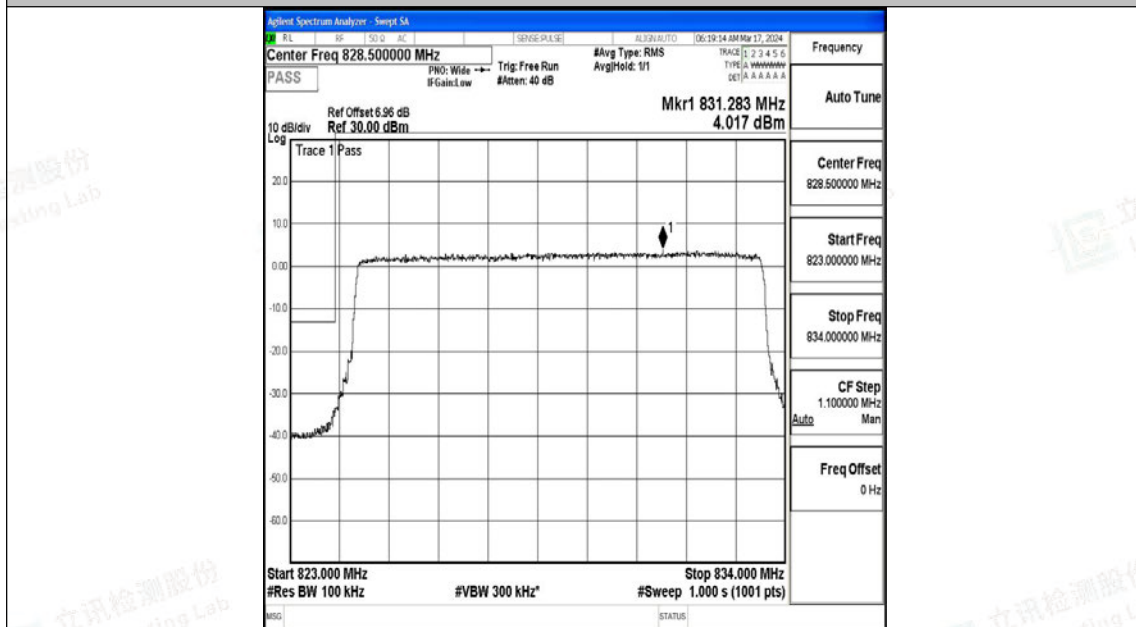


Band5_5MHz_QPSK_20625_25RB#0



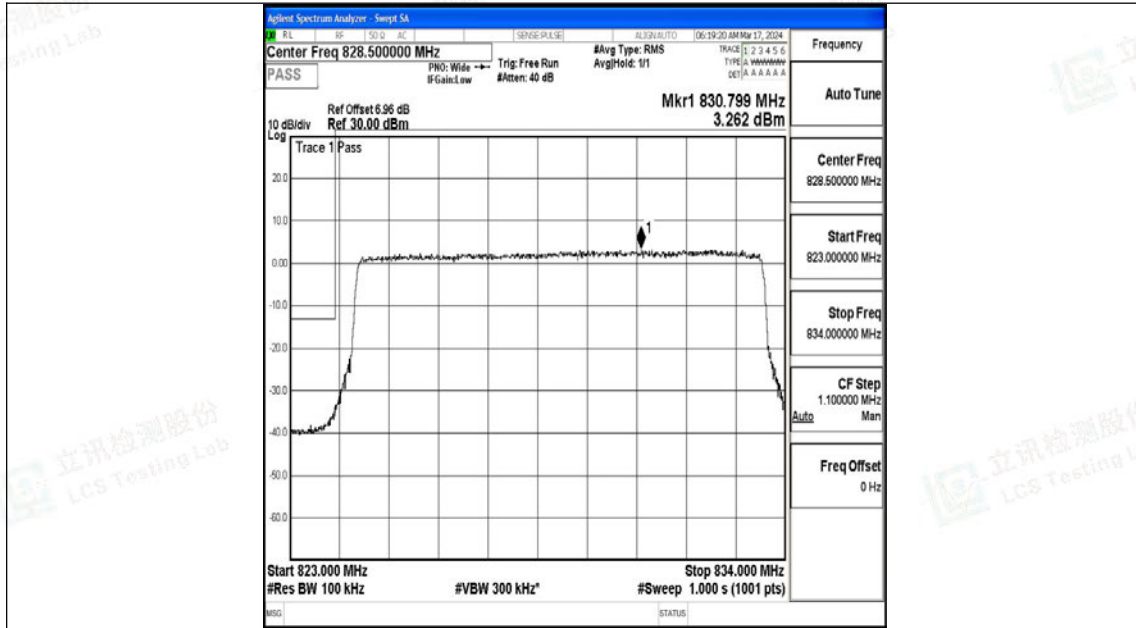


Band5_5MHz_16QAM_20625_25RB#0

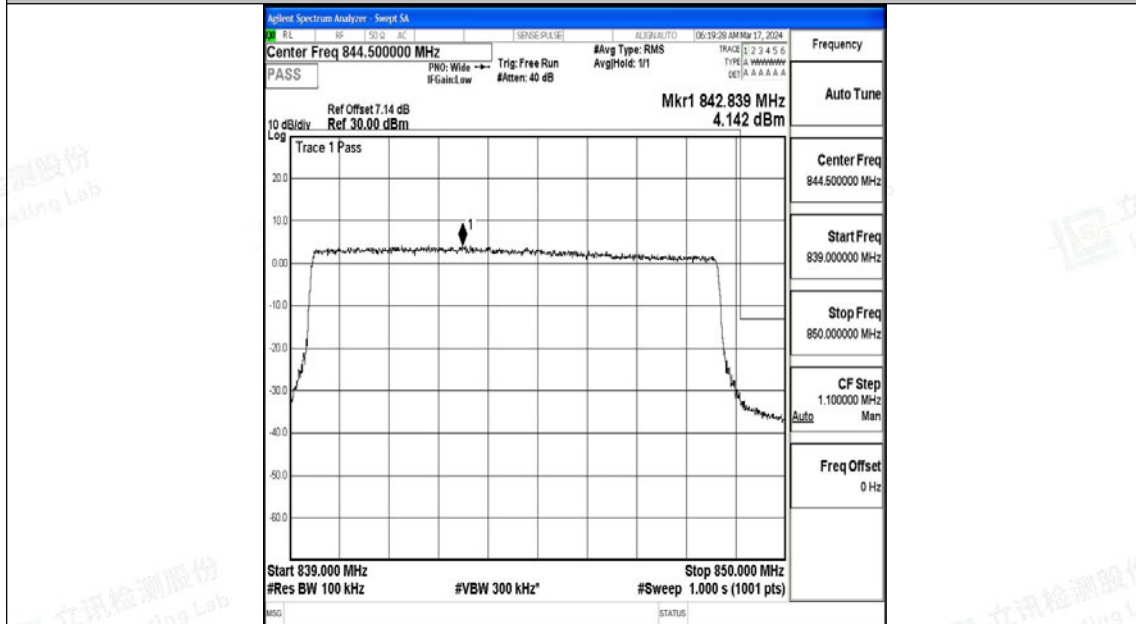


Band5_10MHz_QPSK_20450_50RB#0



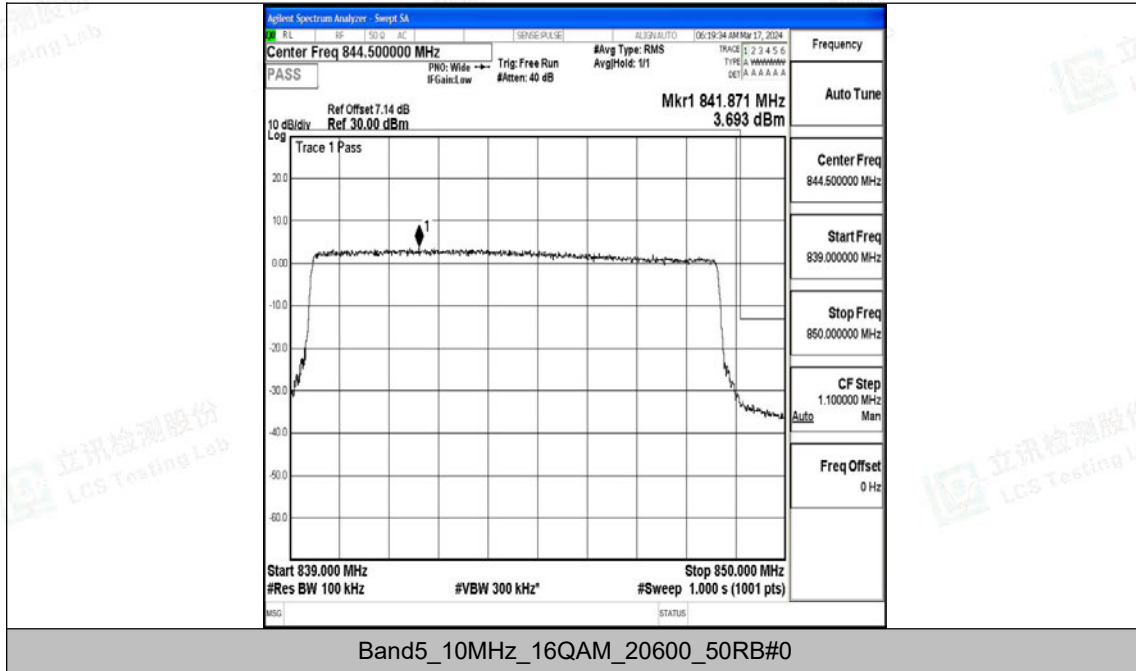


Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0







J.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	-58.50	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-52.83	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-45.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-41.37	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-44.34	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-58.32	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-53.72	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-45.61	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-41.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-44.15	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-55.85	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-50.82	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-47.06	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-42.81	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-44.14	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-55.67	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-50.67	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-45.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-40.32	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-44.17	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-59.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-52.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-45.69	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-44.38	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-44.42	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-58.14	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-51.41	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-43.51	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-43.46	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-44.17	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-55.27	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-51.99	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-50.19	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-43.85	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-44.23	PASS



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Scan code to check authenticity



Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-54.83	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-53.43	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-50.42	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-41.13	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-44.36	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-54.14	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-52.04	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-50.82	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-43.17	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-44.20	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-56.35	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-50.91	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-47.61	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-41.85	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-44.25	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-56.78	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-51.73	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-48.34	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-42.71	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-43.92	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-57.61	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-50.71	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-46.82	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-41.95	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-44.29	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-56.44	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-51.02	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-57.58	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-42.68	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-44.27	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-58.98	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-53.64	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-57.81	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-41.71	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-44.32	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-58.75	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-51.02	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-57.14	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-42.91	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-44.12	PASS



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Scan code to check authenticity



Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-59.46	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-51.53	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-60.23	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-43.00	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-43.91	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-58.48	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-52.13	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-58.60	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-43.70	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-44.02	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-57.70	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-52.14	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-56.87	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-43.76	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-44.23	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-58.10	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-50.59	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-62.05	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-42.90	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-44.14	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-57.95	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-53.84	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-62.19	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-41.54	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-44.44	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-57.30	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-51.58	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-61.93	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-43.82	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-44.20	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-57.23	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-51.46	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-61.90	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-41.92	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-43.99	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-55.93	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-52.95	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-62.08	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-45.46	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-43.94	PASS



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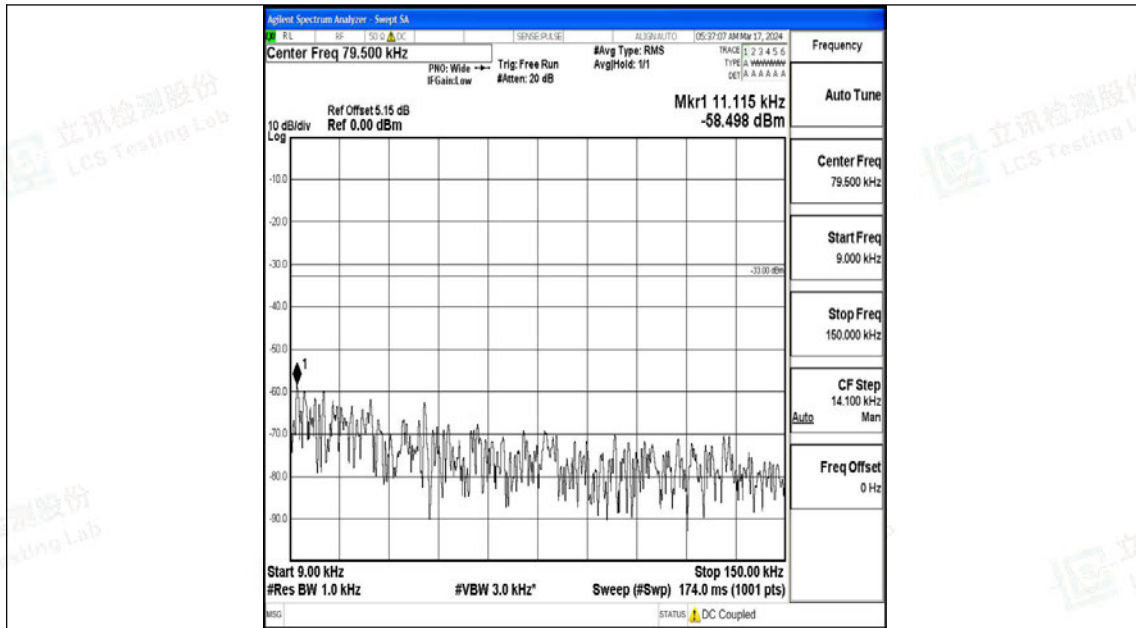
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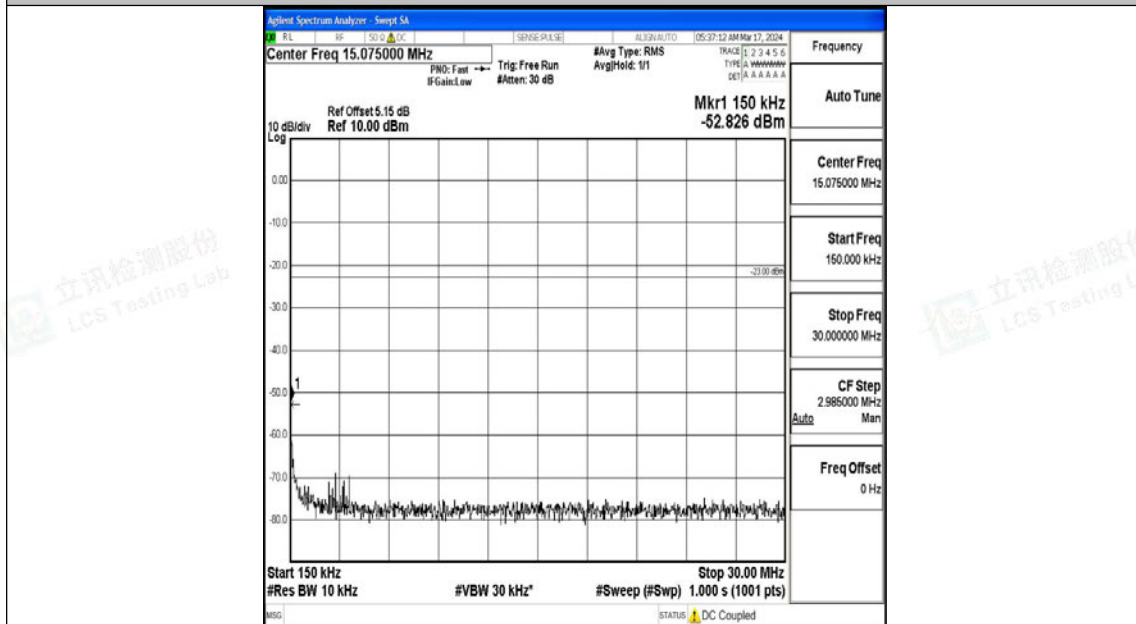


Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-56.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-50.62	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-61.86	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-44.70	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-44.30	PASS

Test Graphs



Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30

