



Appendix J: Test Data for E-UTRA Band 5

Product Name: Data Collector
Test Model: R50

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng



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J.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	23.36	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.24	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.40	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.80	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.22	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.67	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	23.33	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	22.66	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	23.31	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	22.85	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	23.28	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.80	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.46	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.08	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.09	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.14	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.07	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.79	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.20	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.80	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.26	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	22.66	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.23	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.39	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.19	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.35	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.34	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.27	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	22.81	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.96	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	22.88	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.85	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	22.70	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.52	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	23.04	PASS



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Band5	1.4MHz	16QAM	20643	3RB#0	22.69	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	23.22	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.84	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	22.97	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.63	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.41	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	21.78	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.14	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.73	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.12	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.25	PASS
Band5	3MHz	QPSK	20415	1RB#14	22.90	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.33	PASS
Band5	3MHz	QPSK	20415	8RB#0	22.26	PASS
Band5	3MHz	16QAM	20415	8RB#0	21.94	PASS
Band5	3MHz	QPSK	20415	8RB#4	22.26	PASS
Band5	3MHz	16QAM	20415	8RB#4	21.94	PASS
Band5	3MHz	QPSK	20415	8RB#7	22.35	PASS
Band5	3MHz	16QAM	20415	8RB#7	21.85	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.18	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.66	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.06	PASS
Band5	3MHz	16QAM	20525	1RB#0	21.96	PASS
Band5	3MHz	QPSK	20525	1RB#8	23.08	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.86	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.27	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.84	PASS
Band5	3MHz	QPSK	20525	8RB#0	22.15	PASS
Band5	3MHz	16QAM	20525	8RB#0	21.78	PASS
Band5	3MHz	QPSK	20525	8RB#4	22.17	PASS
Band5	3MHz	16QAM	20525	8RB#4	21.91	PASS
Band5	3MHz	QPSK	20525	8RB#7	22.27	PASS
Band5	3MHz	16QAM	20525	8RB#7	21.94	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.20	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.47	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.52	PASS
Band5	3MHz	QPSK	20635	1RB#8	22.96	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.11	PASS
Band5	3MHz	QPSK	20635	1RB#14	22.47	PASS



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Band5	3MHz	16QAM	20635	1RB#14	22.65	PASS
Band5	3MHz	QPSK	20635	8RB#0	22.24	PASS
Band5	3MHz	16QAM	20635	8RB#0	21.84	PASS
Band5	3MHz	QPSK	20635	8RB#4	22.25	PASS
Band5	3MHz	16QAM	20635	8RB#4	21.85	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.17	PASS
Band5	3MHz	16QAM	20635	8RB#7	21.76	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.19	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.73	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.09	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.02	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.41	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.07	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.18	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.11	PASS
Band5	5MHz	QPSK	20425	12RB#0	22.18	PASS
Band5	5MHz	16QAM	20425	12RB#0	21.66	PASS
Band5	5MHz	QPSK	20425	12RB#6	22.18	PASS
Band5	5MHz	16QAM	20425	12RB#6	21.50	PASS
Band5	5MHz	QPSK	20425	12RB#13	22.07	PASS
Band5	5MHz	16QAM	20425	12RB#13	21.59	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.16	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.88	PASS
Band5	5MHz	QPSK	20525	1RB#0	22.89	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.01	PASS
Band5	5MHz	QPSK	20525	1RB#12	22.72	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.14	PASS
Band5	5MHz	QPSK	20525	1RB#24	22.98	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.04	PASS
Band5	5MHz	QPSK	20525	12RB#0	22.17	PASS
Band5	5MHz	16QAM	20525	12RB#0	21.81	PASS
Band5	5MHz	QPSK	20525	12RB#6	22.21	PASS
Band5	5MHz	16QAM	20525	12RB#6	21.75	PASS
Band5	5MHz	QPSK	20525	12RB#13	22.22	PASS
Band5	5MHz	16QAM	20525	12RB#13	21.81	PASS
Band5	5MHz	QPSK	20525	25RB#0	22.17	PASS
Band5	5MHz	16QAM	20525	25RB#0	21.71	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.07	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.51	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.06	PASS



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Band5	5MHz	16QAM	20625	1RB#12	22.81	PASS
Band5	5MHz	QPSK	20625	1RB#24	22.88	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.54	PASS
Band5	5MHz	QPSK	20625	12RB#0	22.32	PASS
Band5	5MHz	16QAM	20625	12RB#0	21.82	PASS
Band5	5MHz	QPSK	20625	12RB#6	22.32	PASS
Band5	5MHz	16QAM	20625	12RB#6	21.62	PASS
Band5	5MHz	QPSK	20625	12RB#13	22.17	PASS
Band5	5MHz	16QAM	20625	12RB#13	21.50	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.27	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.84	PASS
Band5	10MHz	QPSK	20450	1RB#0	22.98	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.58	PASS
Band5	10MHz	QPSK	20450	1RB#24	22.96	PASS
Band5	10MHz	16QAM	20450	1RB#24	22.79	PASS
Band5	10MHz	QPSK	20450	1RB#49	22.98	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.73	PASS
Band5	10MHz	QPSK	20450	25RB#0	22.14	PASS
Band5	10MHz	16QAM	20450	25RB#0	21.65	PASS
Band5	10MHz	QPSK	20450	25RB#12	22.14	PASS
Band5	10MHz	16QAM	20450	25RB#12	21.52	PASS
Band5	10MHz	QPSK	20450	25RB#25	21.88	PASS
Band5	10MHz	16QAM	20450	25RB#25	21.63	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.01	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.61	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.06	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.70	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.11	PASS
Band5	10MHz	16QAM	20525	1RB#24	21.94	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.07	PASS
Band5	10MHz	16QAM	20525	1RB#49	21.93	PASS
Band5	10MHz	QPSK	20525	25RB#0	22.05	PASS
Band5	10MHz	16QAM	20525	25RB#0	21.84	PASS
Band5	10MHz	QPSK	20525	25RB#12	22.21	PASS
Band5	10MHz	16QAM	20525	25RB#12	21.73	PASS
Band5	10MHz	QPSK	20525	25RB#25	22.06	PASS
Band5	10MHz	16QAM	20525	25RB#25	21.76	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.27	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.69	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.05	PASS



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Band5	10MHz	16QAM	20600	1RB#0	23.26	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.02	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.78	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.07	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.51	PASS
Band5	10MHz	QPSK	20600	25RB#0	22.08	PASS
Band5	10MHz	16QAM	20600	25RB#0	21.83	PASS
Band5	10MHz	QPSK	20600	25RB#12	22.25	PASS
Band5	10MHz	16QAM	20600	25RB#12	21.91	PASS
Band5	10MHz	QPSK	20600	25RB#25	22.11	PASS
Band5	10MHz	16QAM	20600	25RB#25	21.81	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.18	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.72	PASS



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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	5.04	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.30	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.80	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.41	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.85	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.67	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.78	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.34	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	2.23	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	2.49	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3.26	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3.49	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	5.32	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.94	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.68	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.37	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.93	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.95	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.61	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.70	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	3.77	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	3.80	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	4.84	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	5.49	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	6.19	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.53	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.18	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.13	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.15	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.86	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.53	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.62	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.16	13	PASS



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Band5	5MHz	QPSK	20625	25RB#0	5.21	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.89	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	5.30	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.81	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.31	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.96	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.42	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.43	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.80	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.44	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.84	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.28	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.81	13	PASS



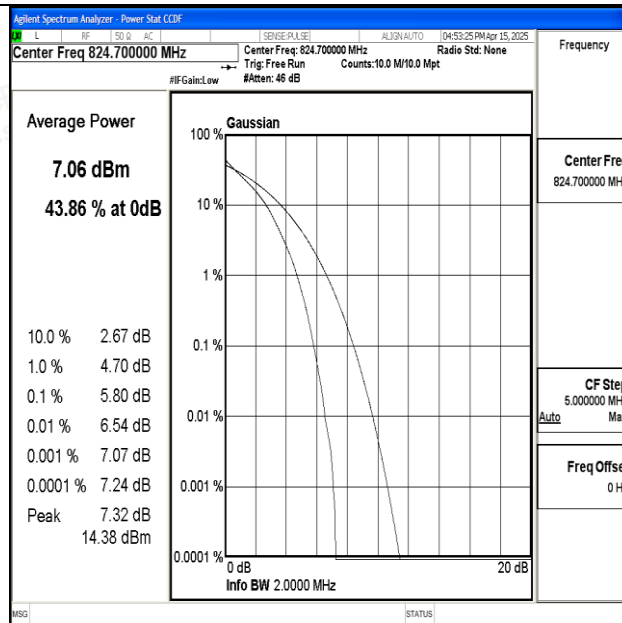
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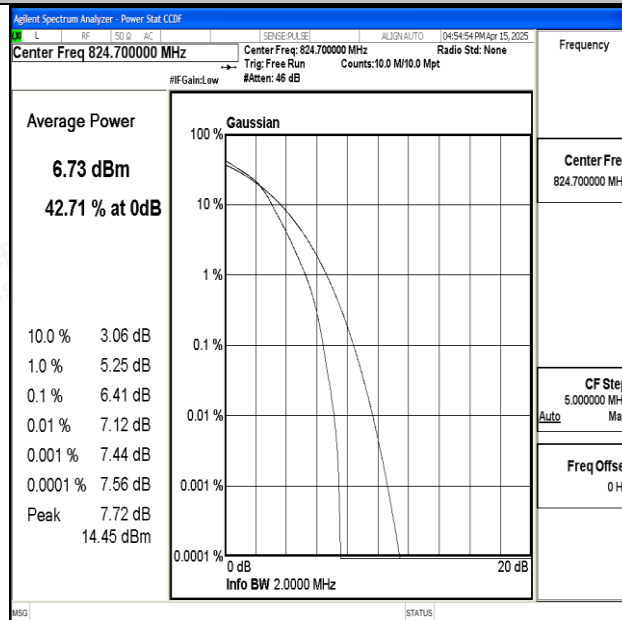
Test Graphs



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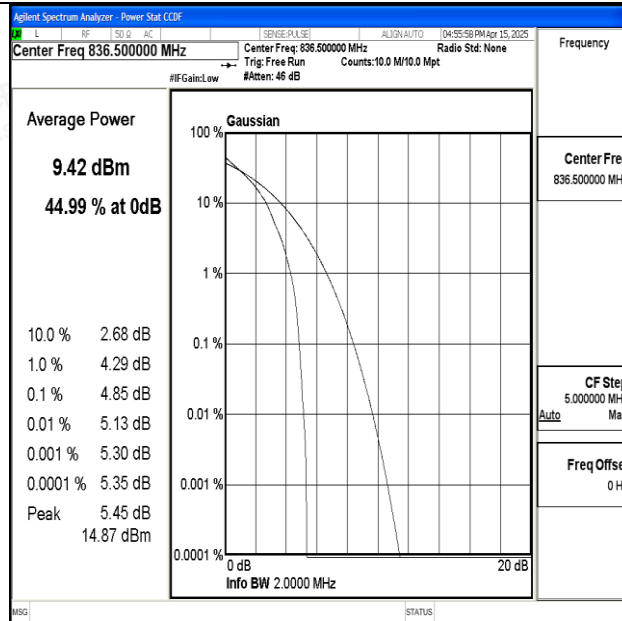
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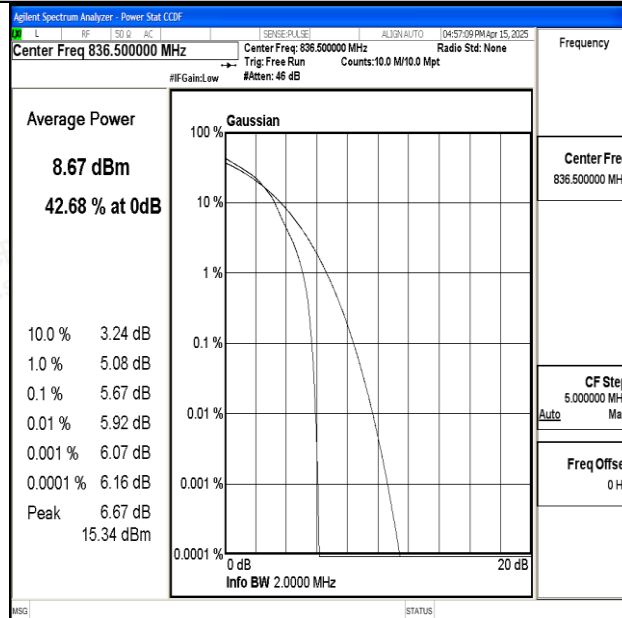
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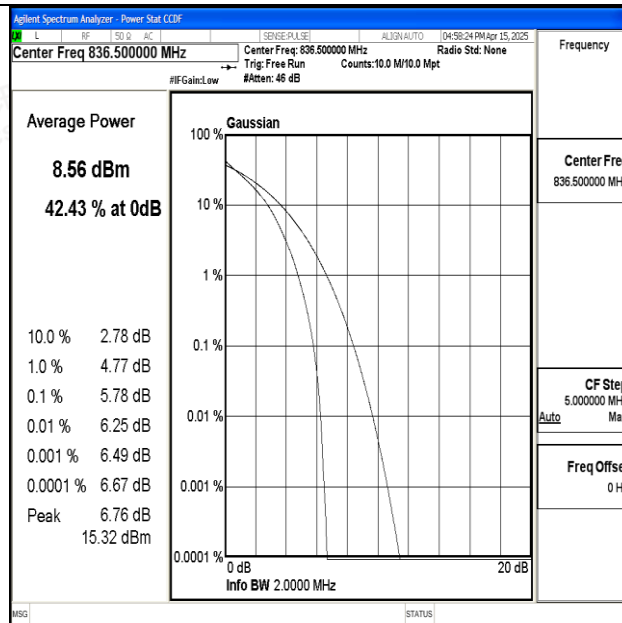
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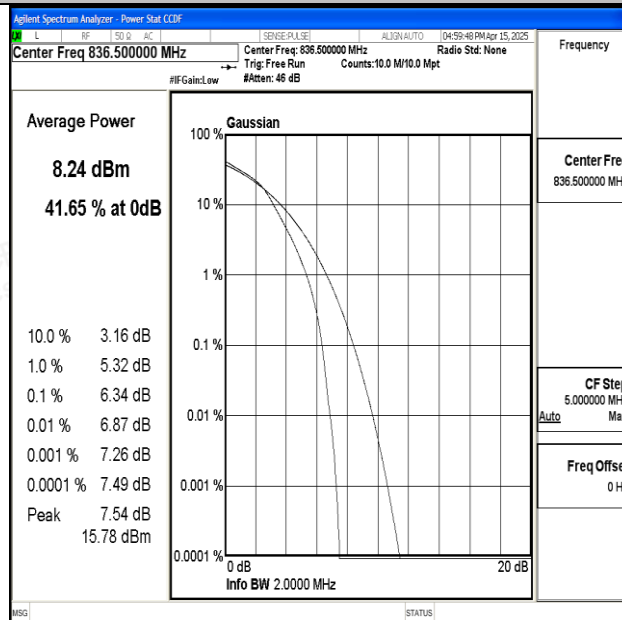
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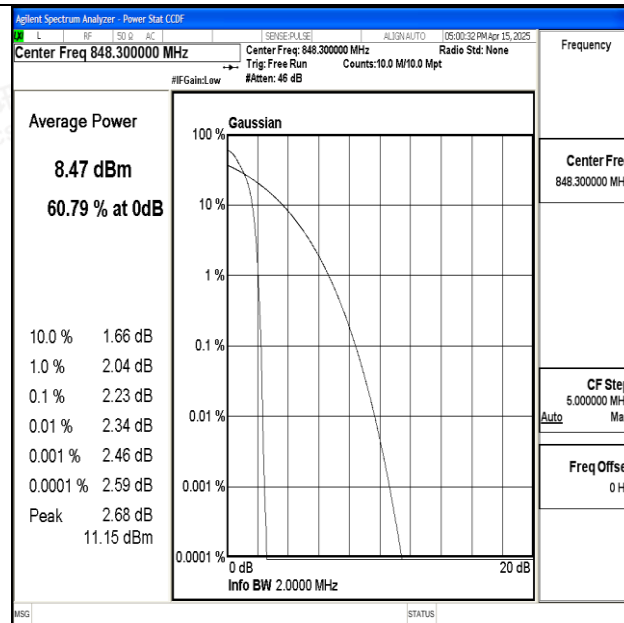
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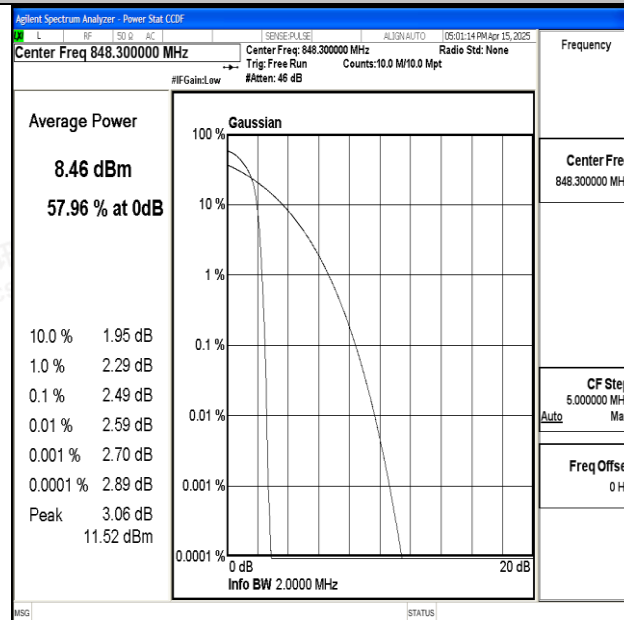
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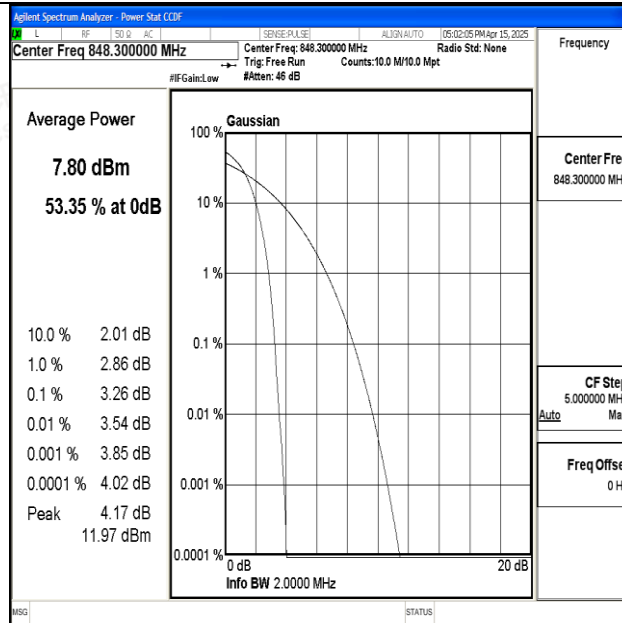
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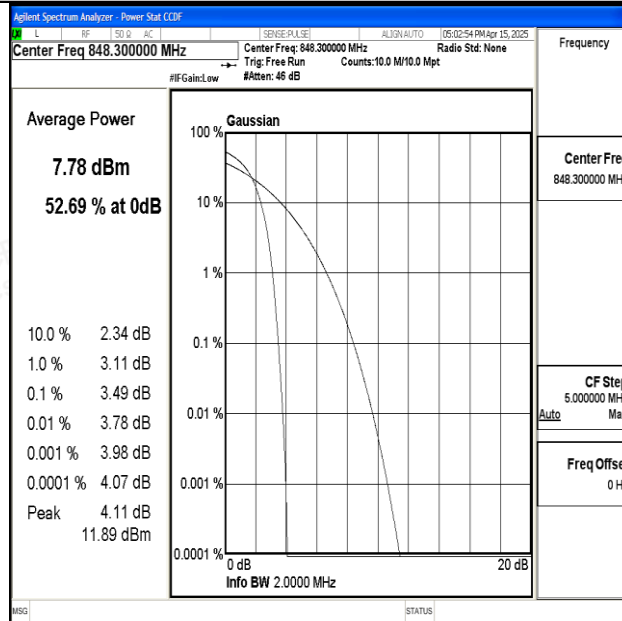
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



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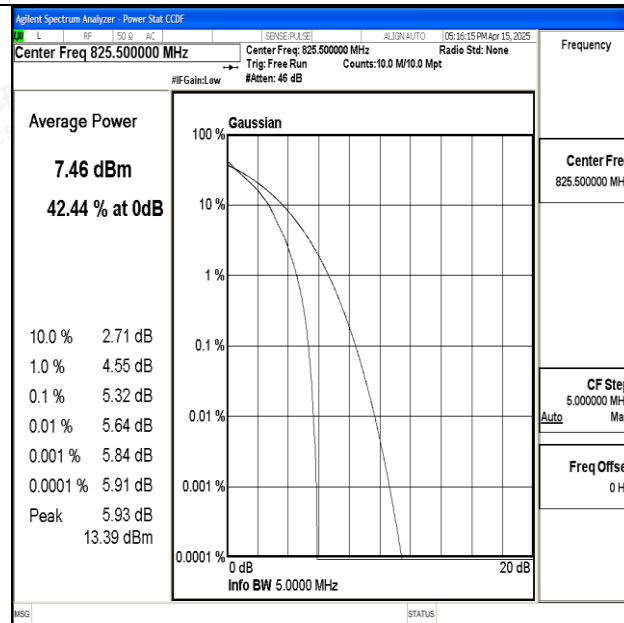
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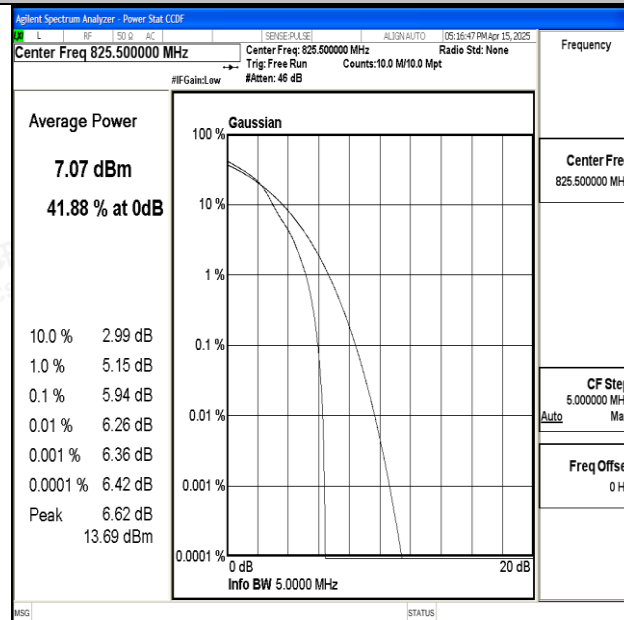
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



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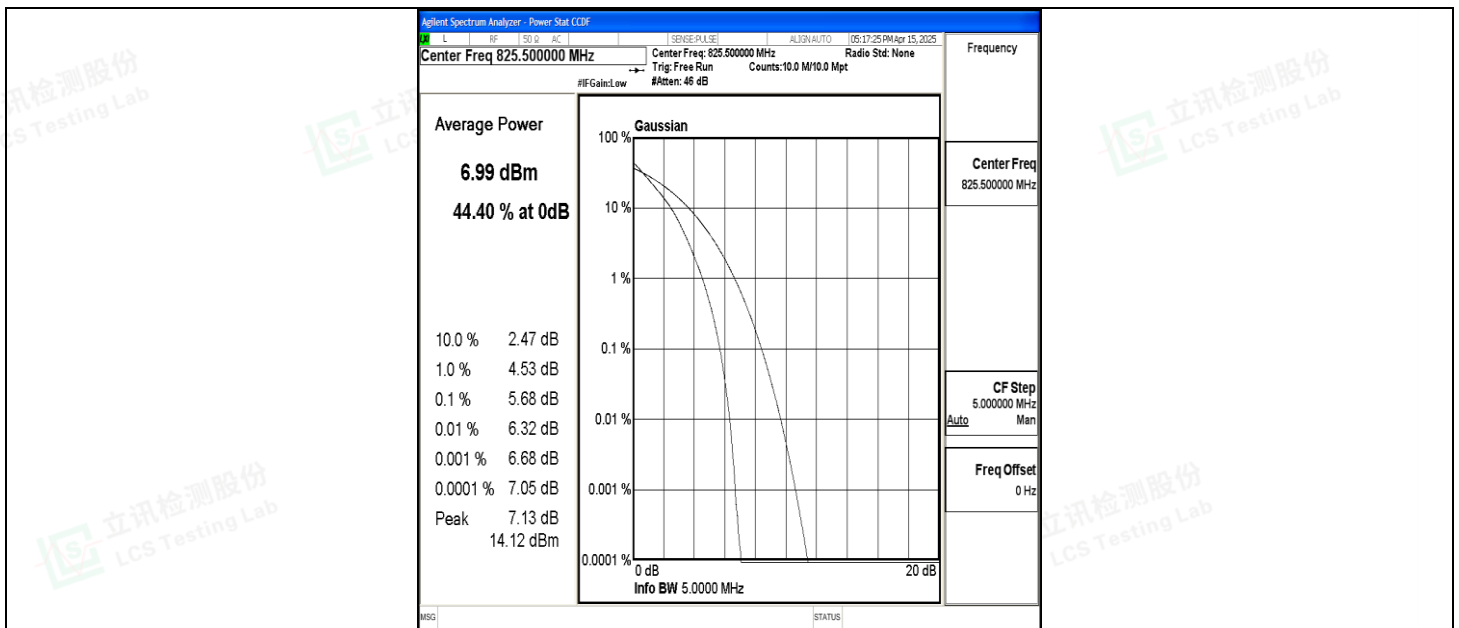
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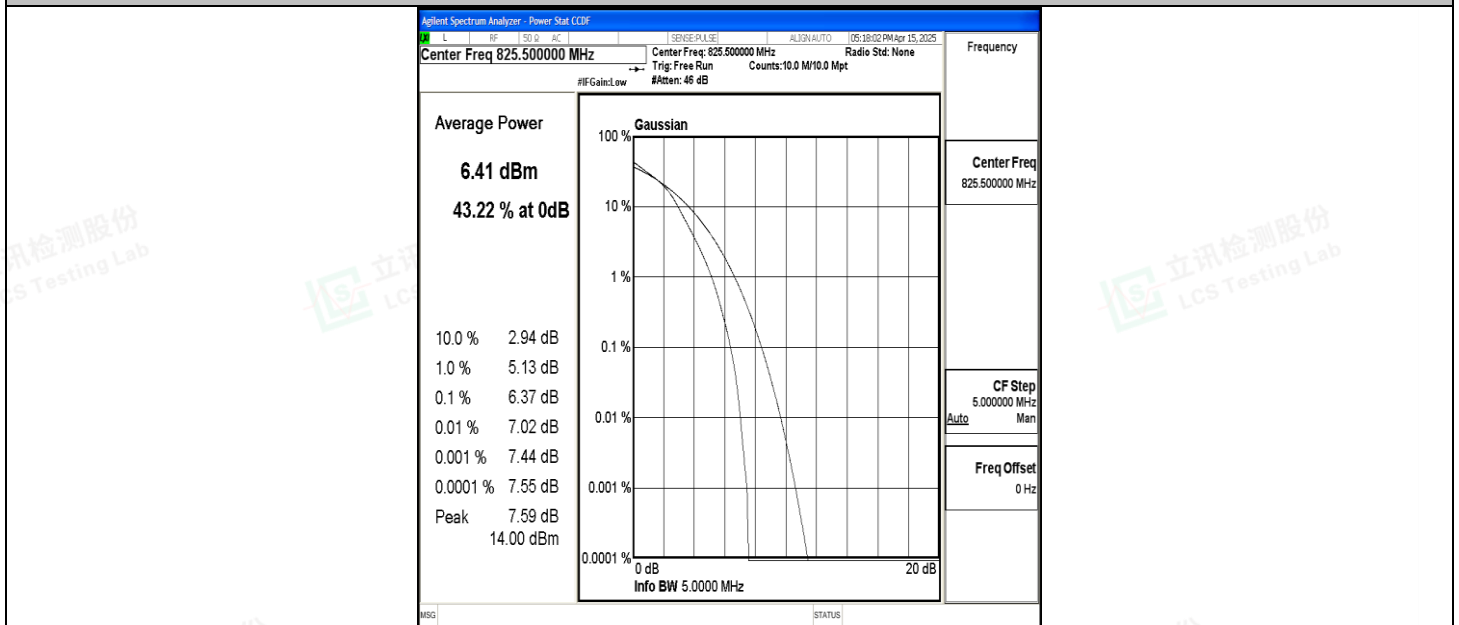
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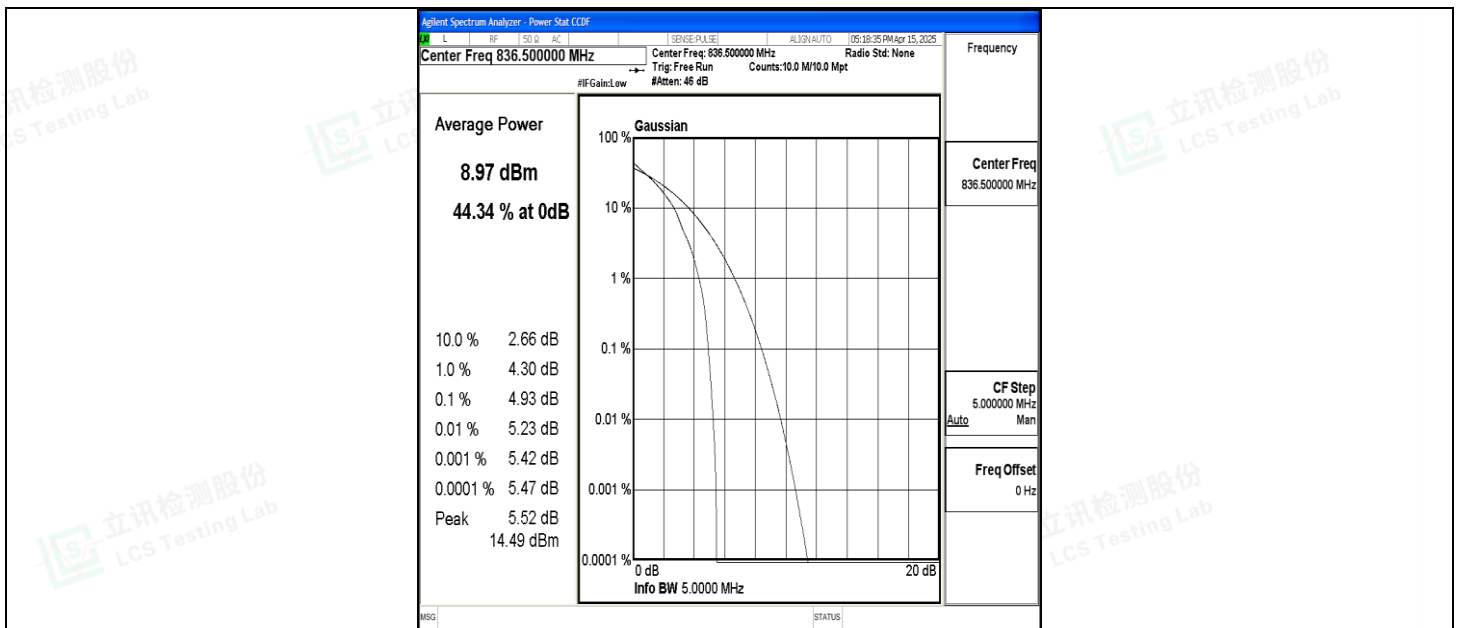
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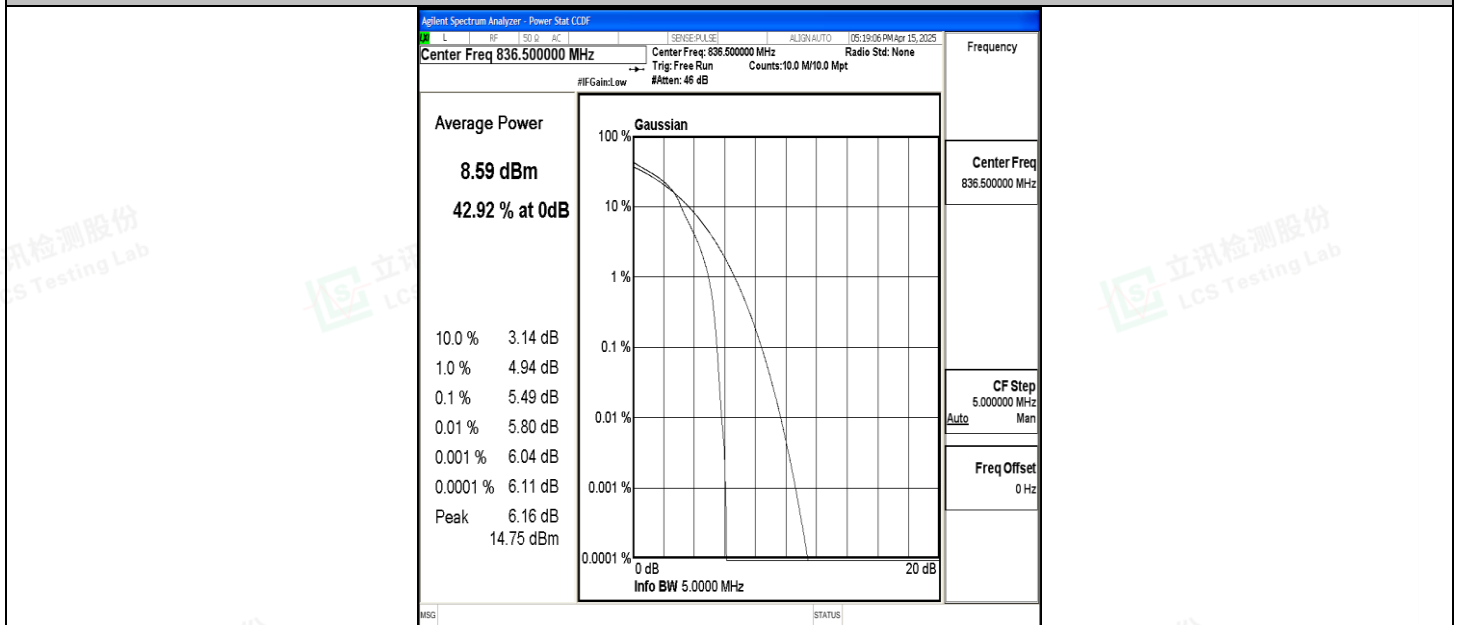
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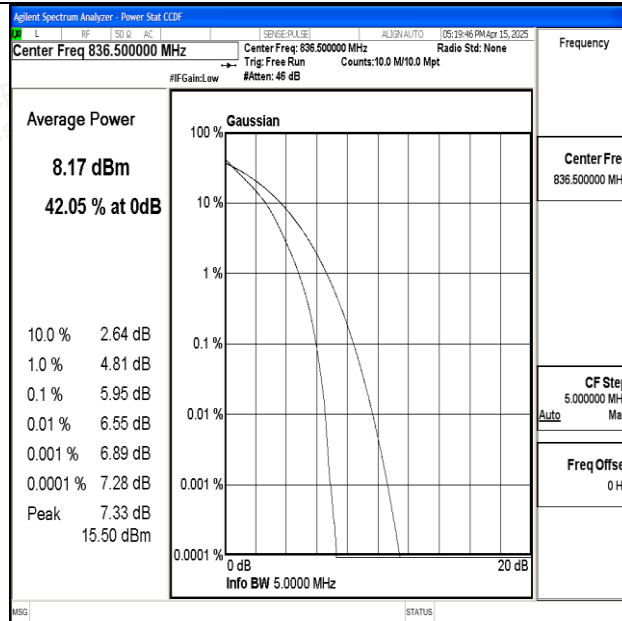
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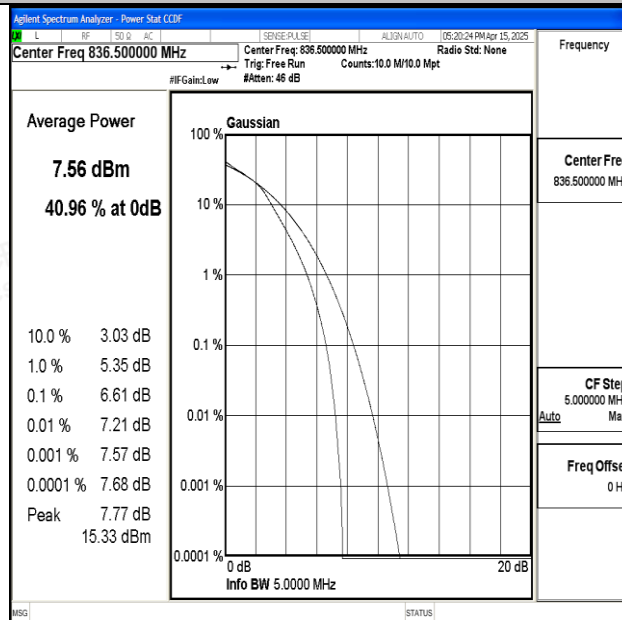
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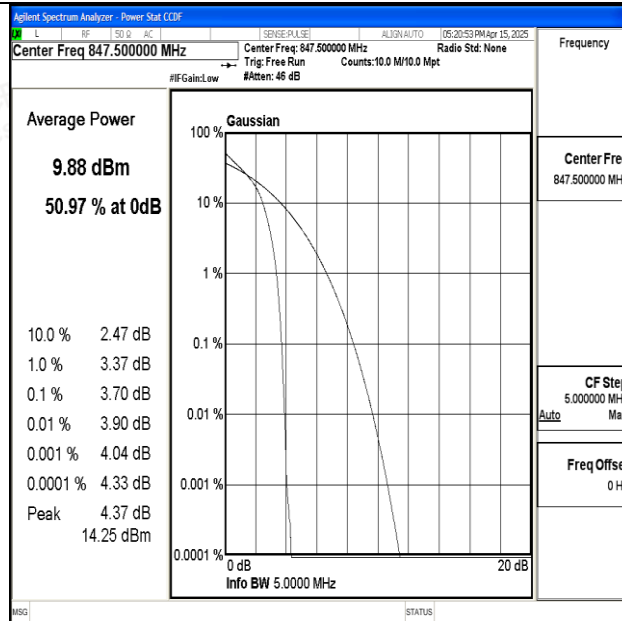
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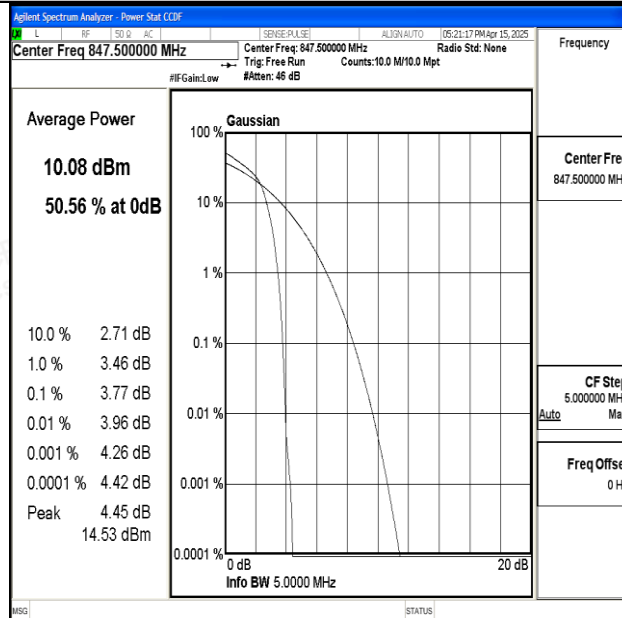
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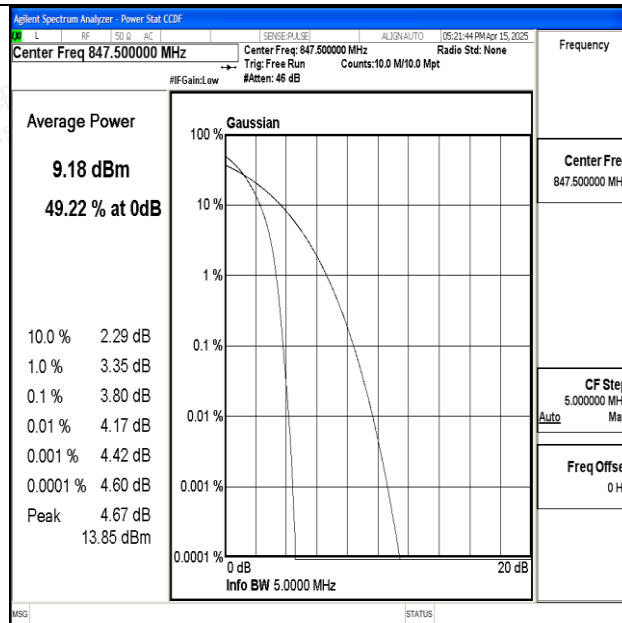
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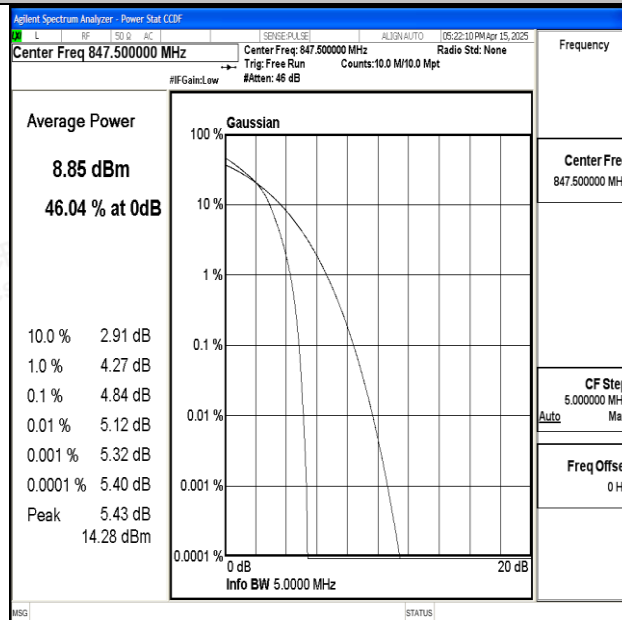
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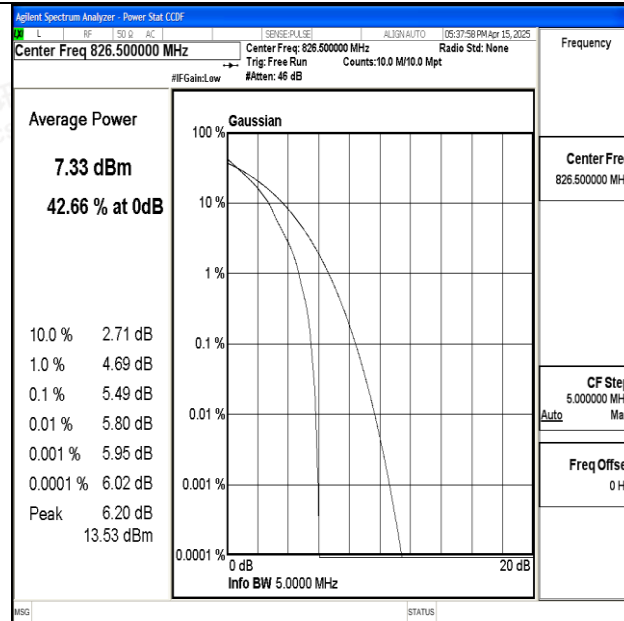
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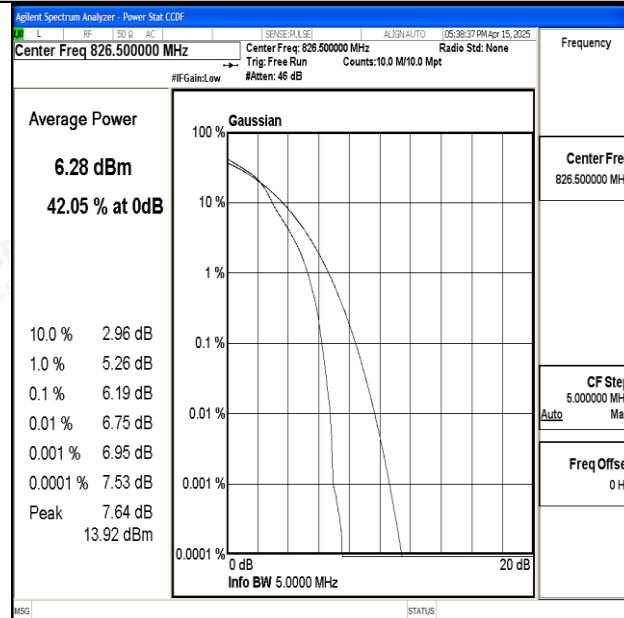
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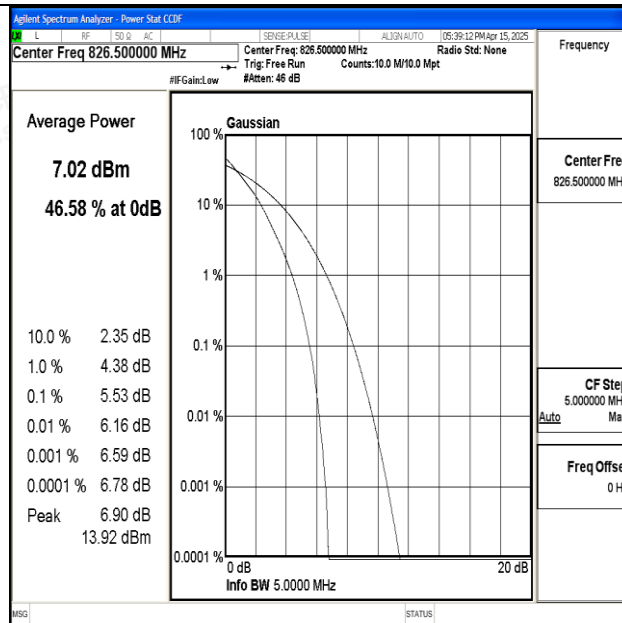
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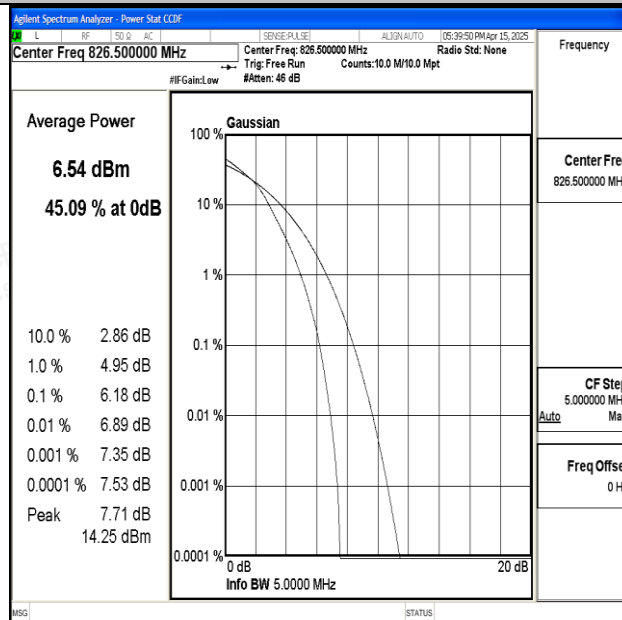
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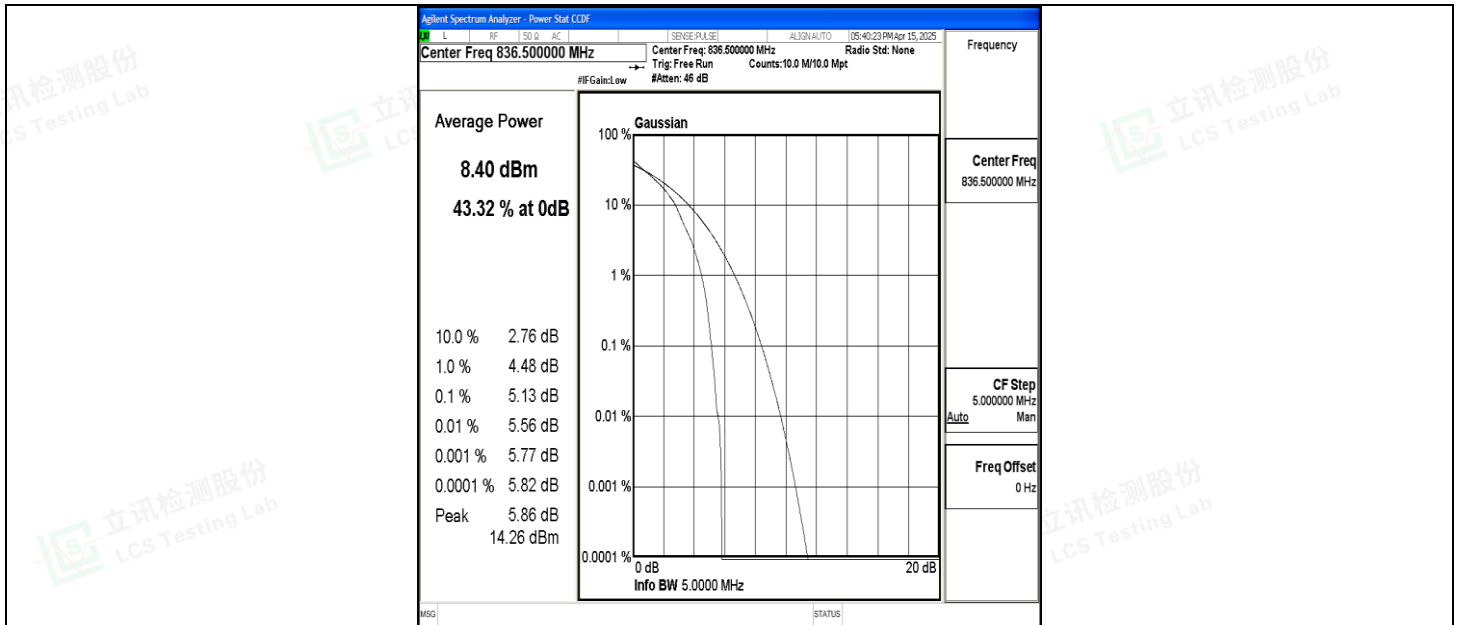
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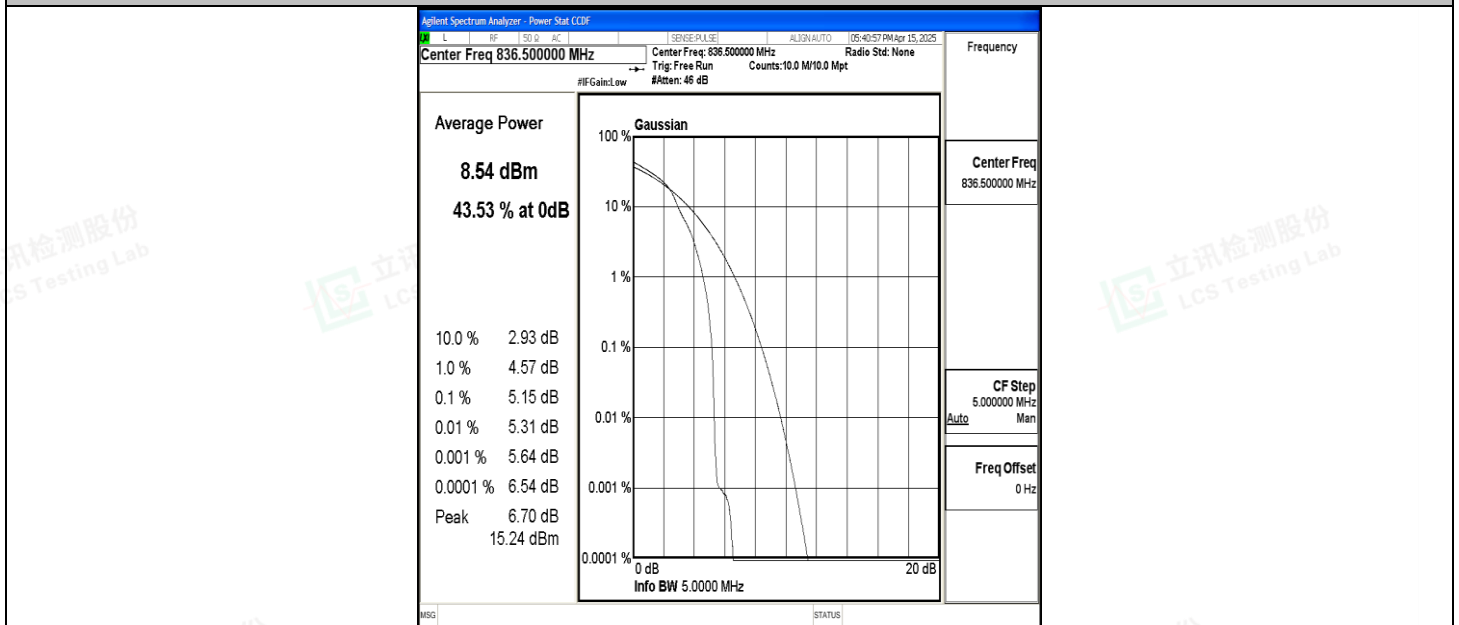
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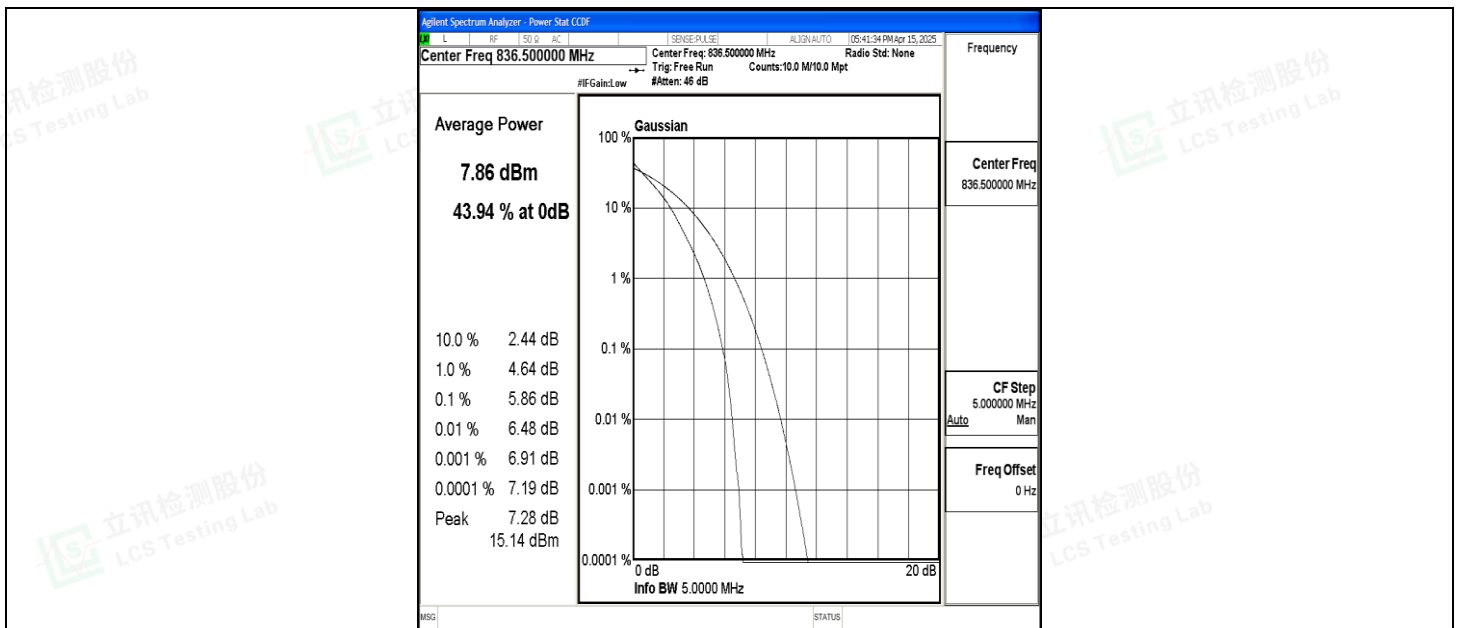
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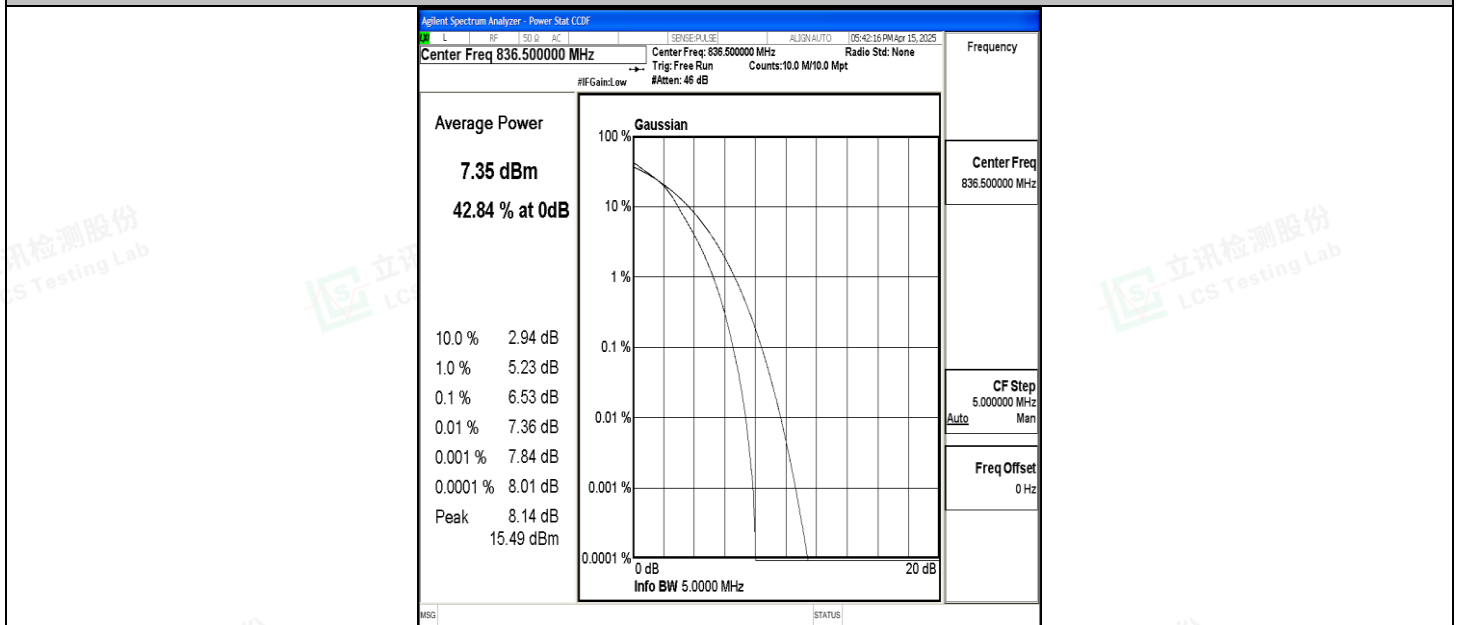
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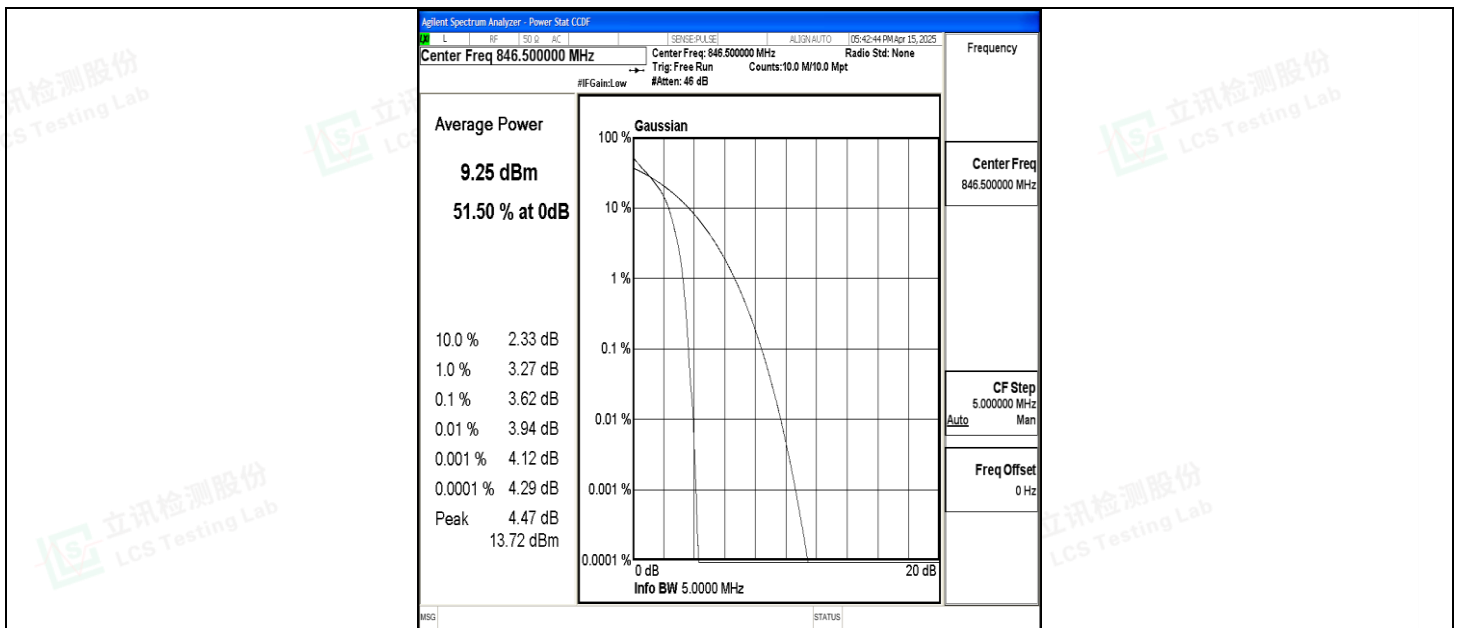
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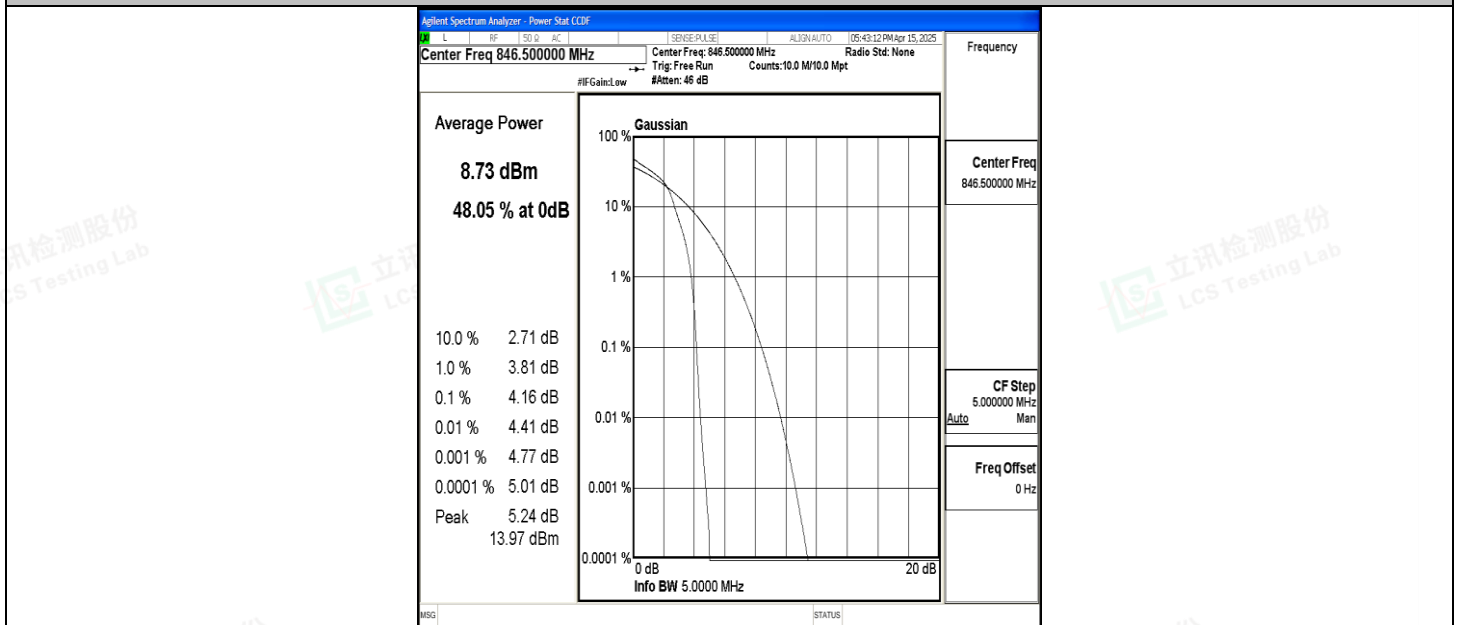
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Band5-5MHz-QPSK-20625-1RB#0-PASS



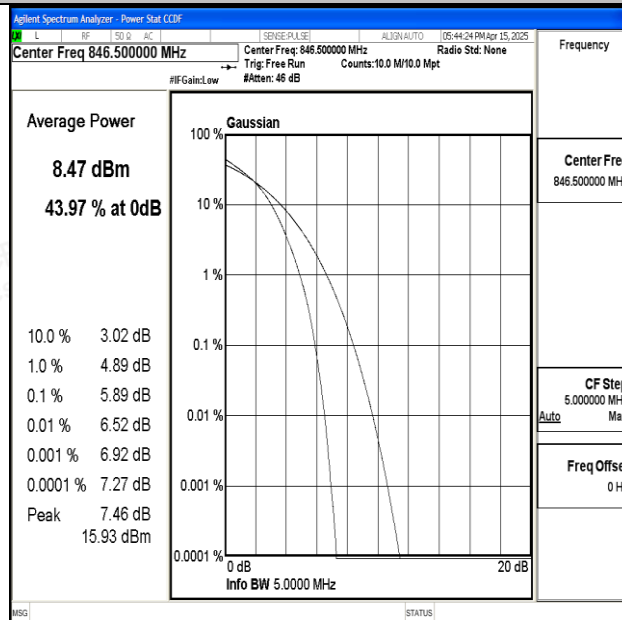
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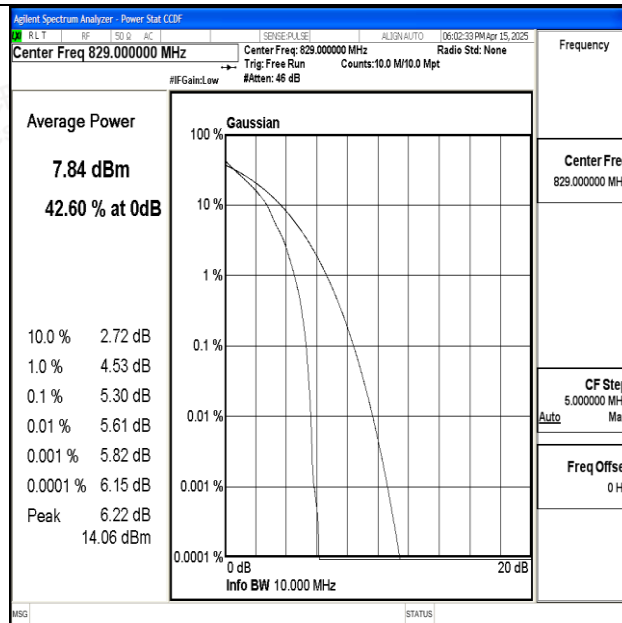
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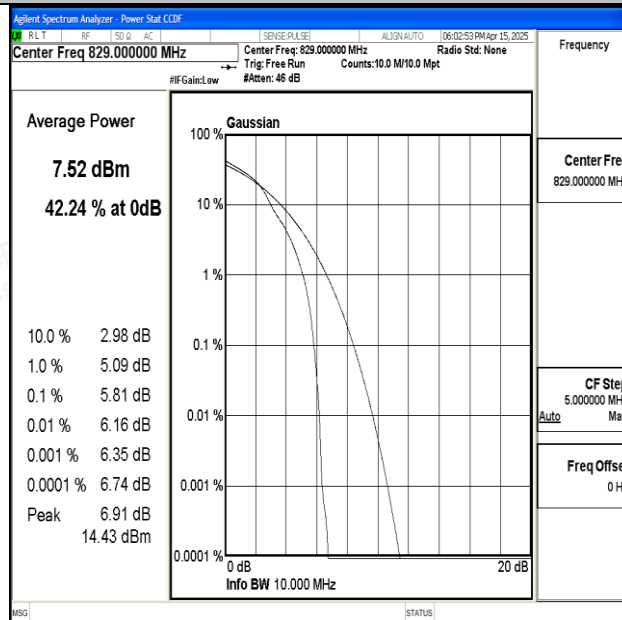
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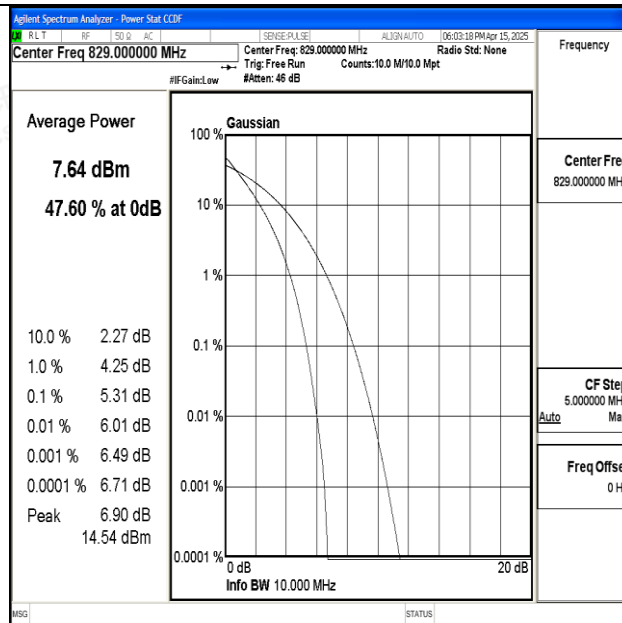
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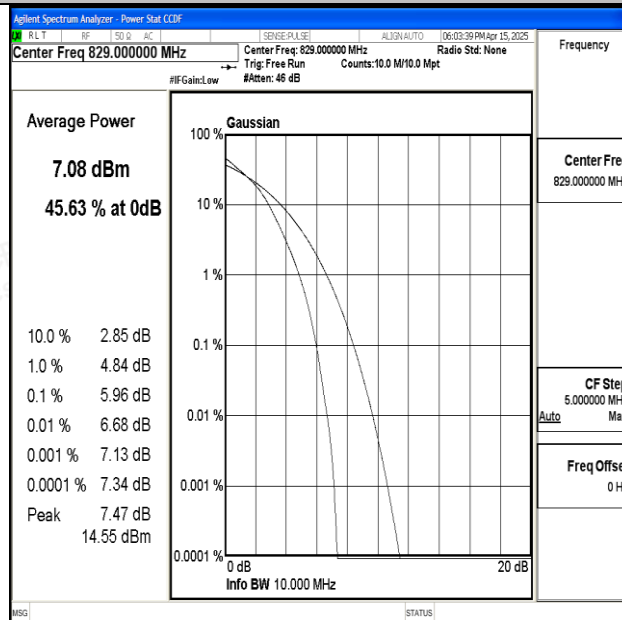
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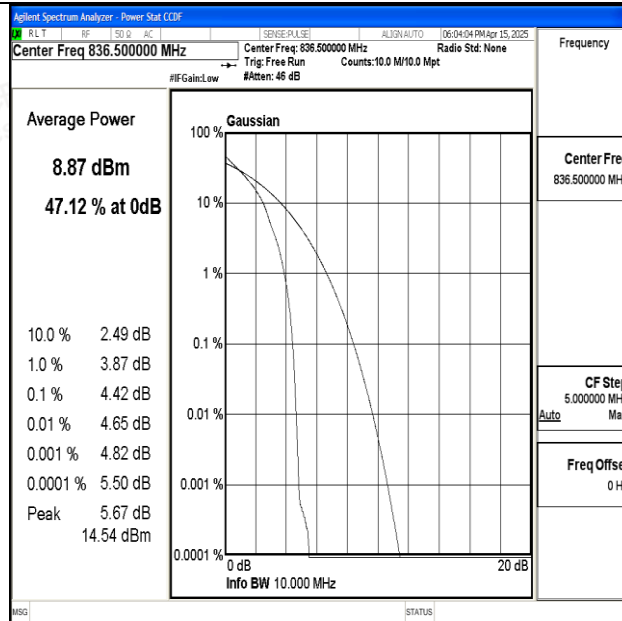
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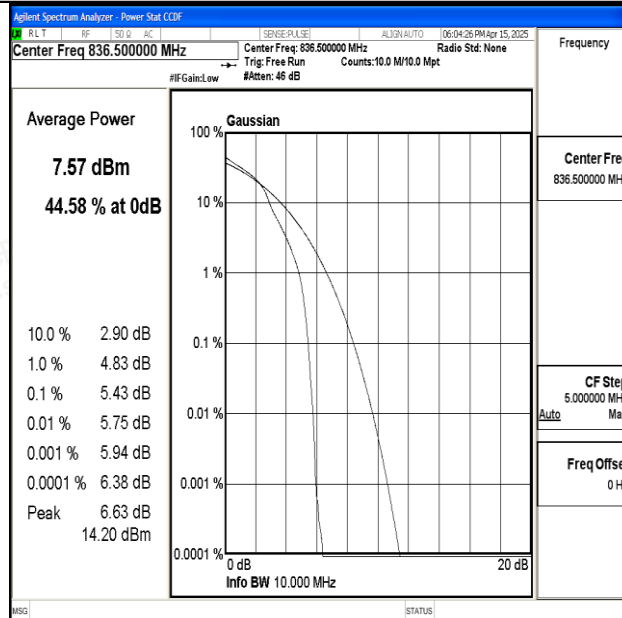
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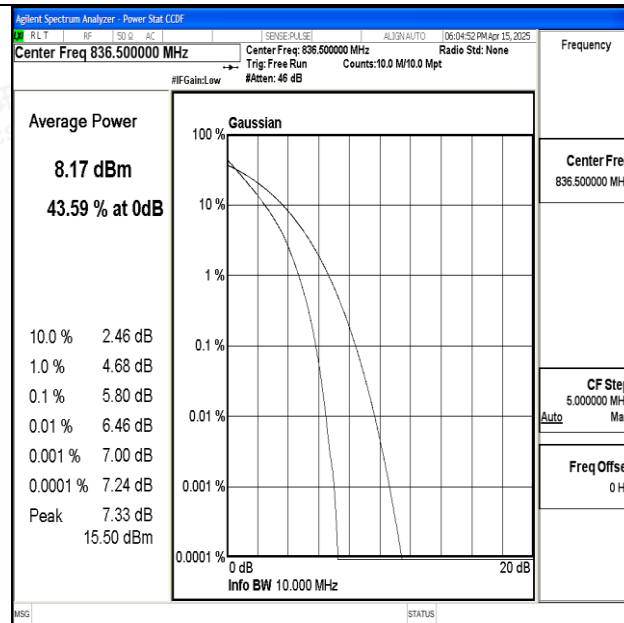
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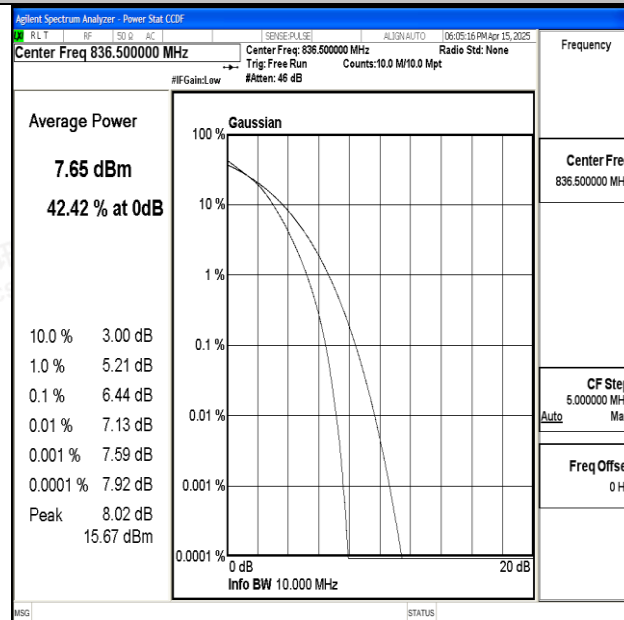
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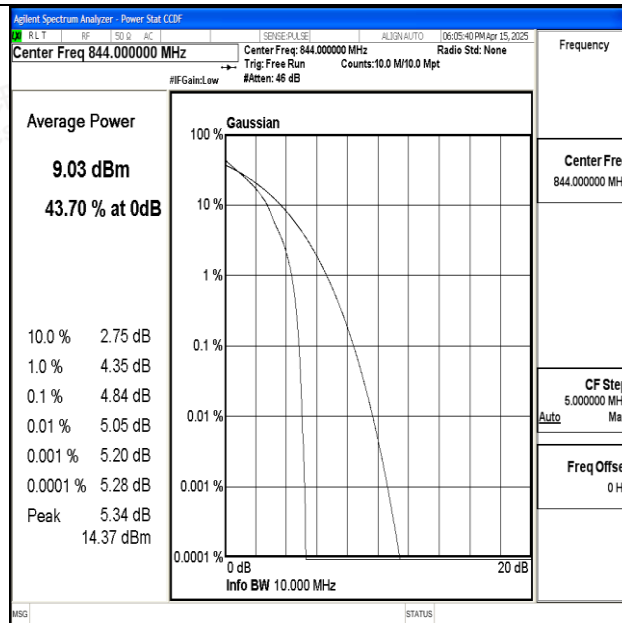
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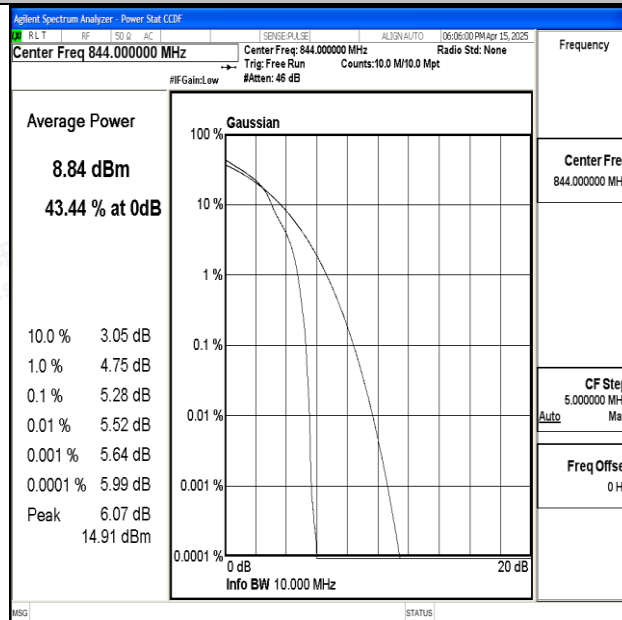
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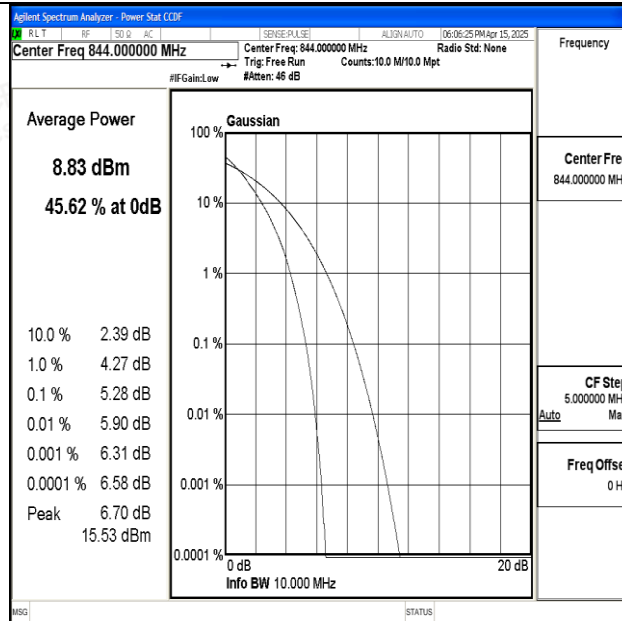
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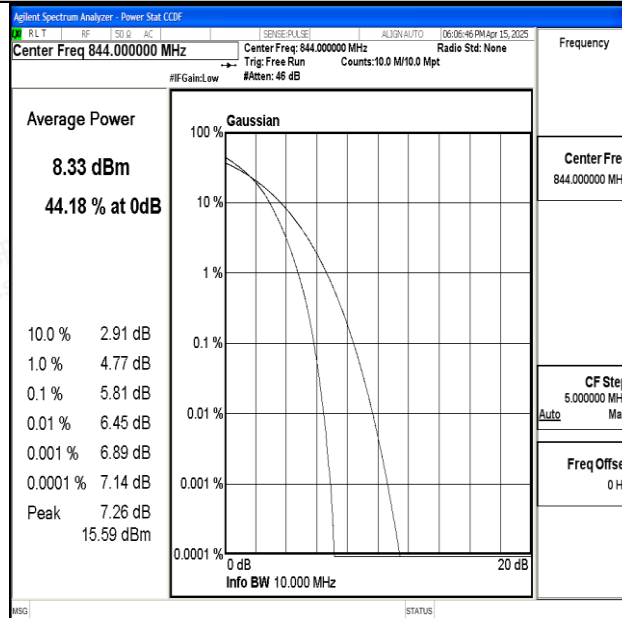
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Band5-10MHz-16QAM-20600-50RB#0-PASS



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J.3 26dB Bandwidth and Occupied Bandwidth

Test Result

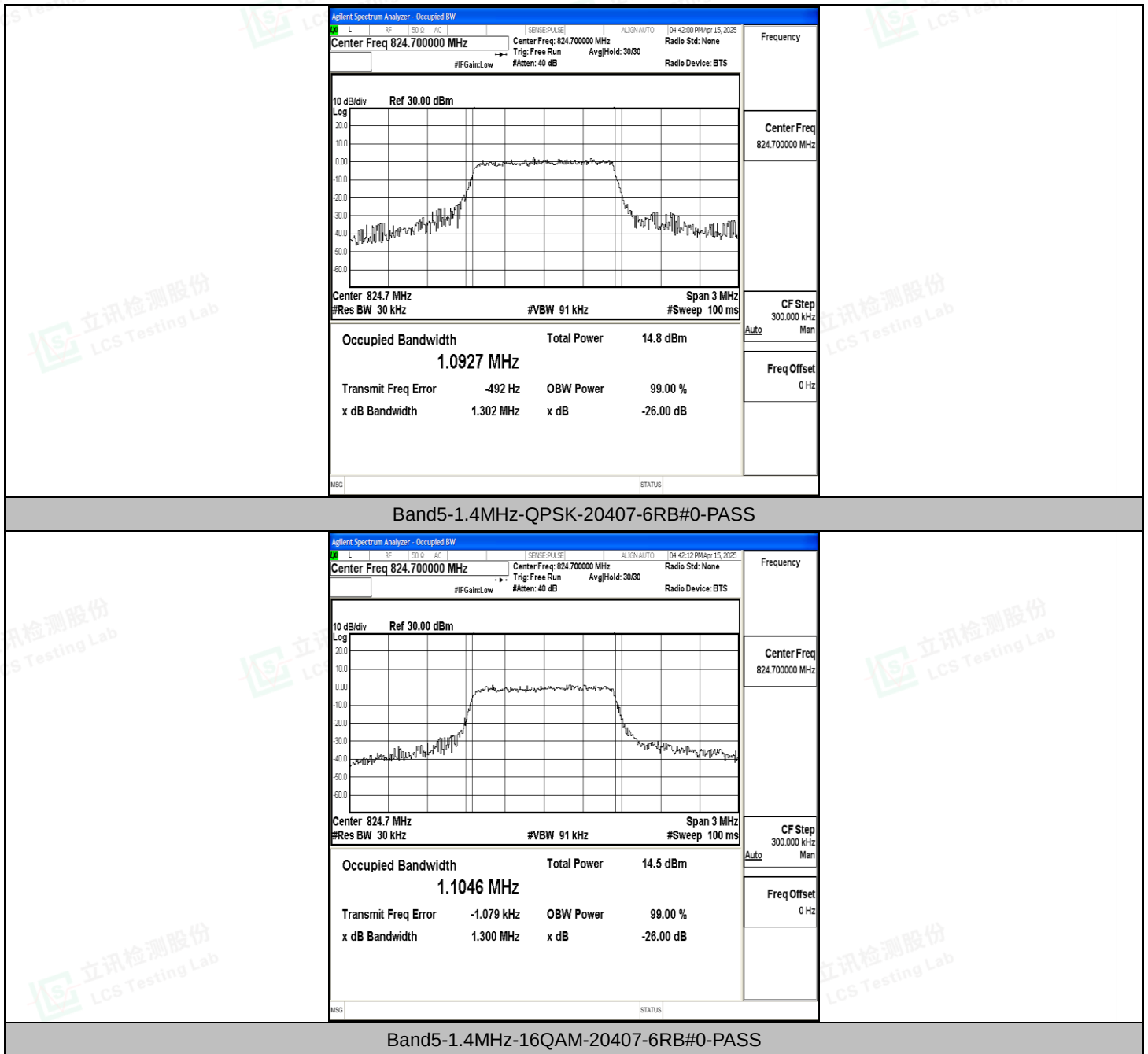
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0927	1.302	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1046	1.300	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1050	1.286	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1073	1.401	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1968	1.724	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.3444	1.921	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7576	3.444	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7403	3.234	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7638	3.448	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7766	3.672	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7306	3.196	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7419	3.317	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5172	5.181	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5010	5.216	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5288	5.333	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5351	5.543	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5336	5.360	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5605	5.447	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9286	9.997	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9298	9.885	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0561	10.18	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0658	10.43	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9809	9.968	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9869	10.03	PASS



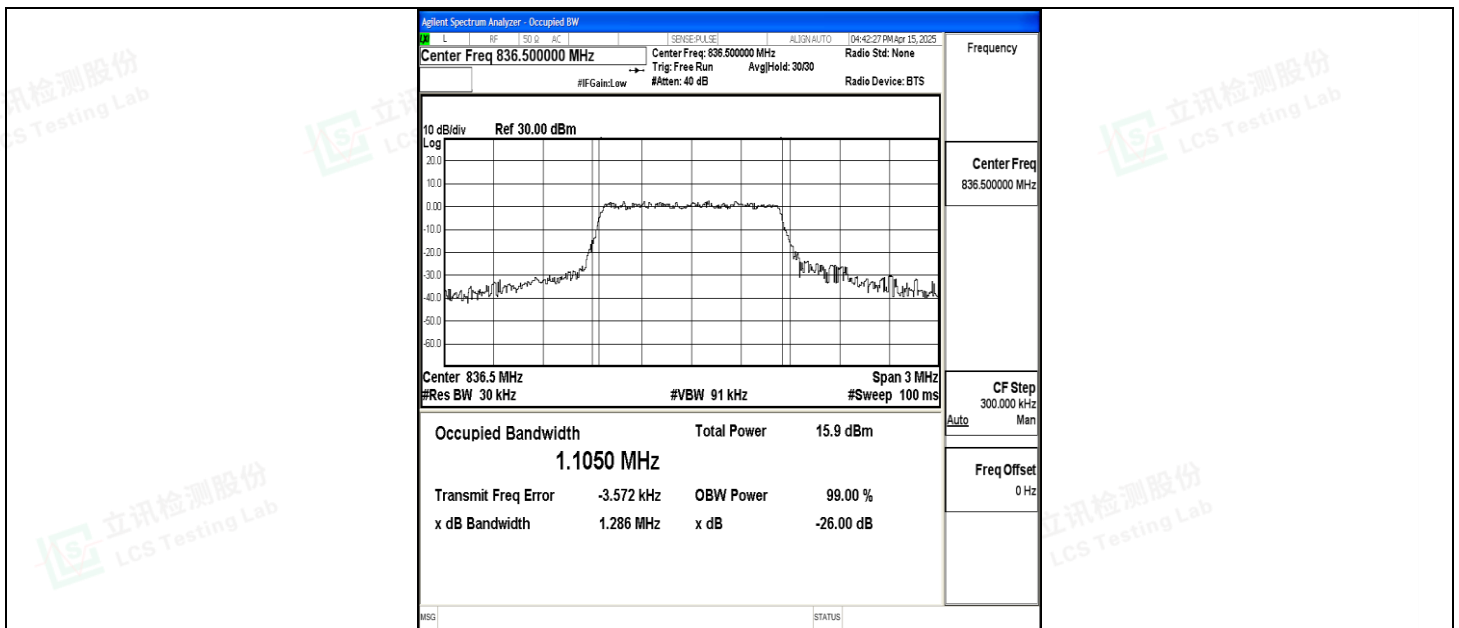
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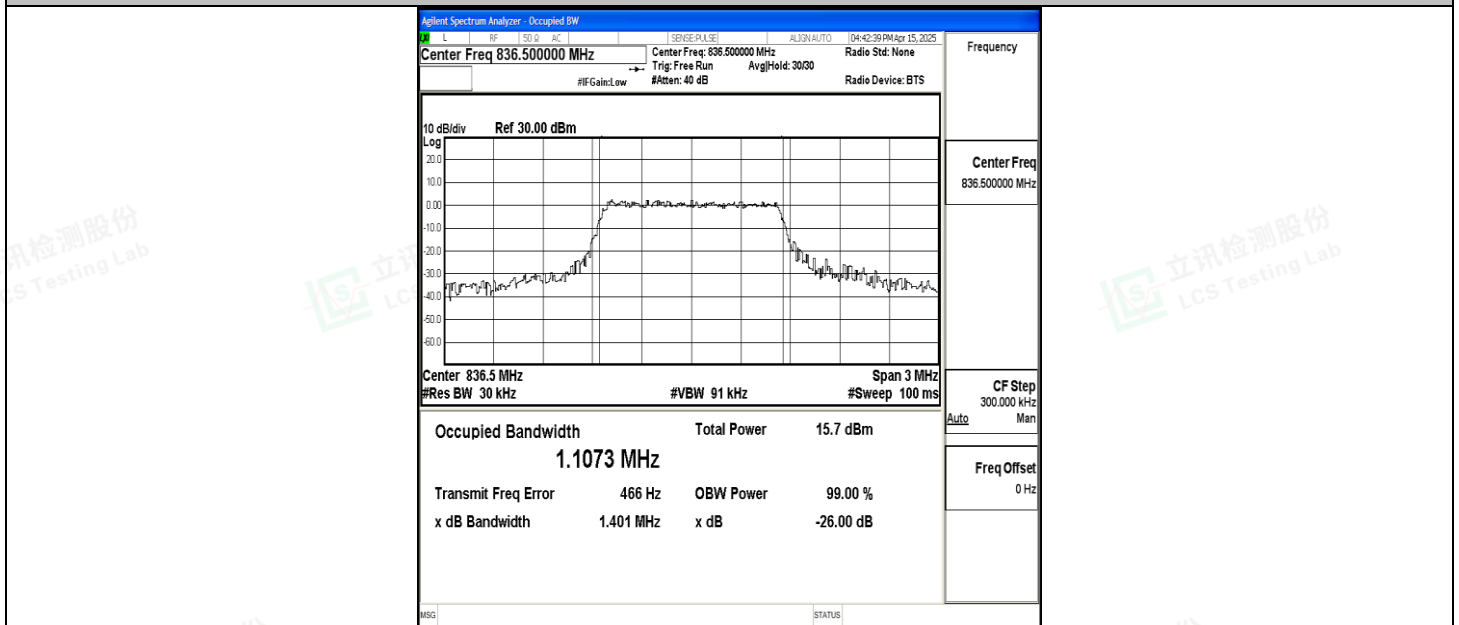
Test Graphs



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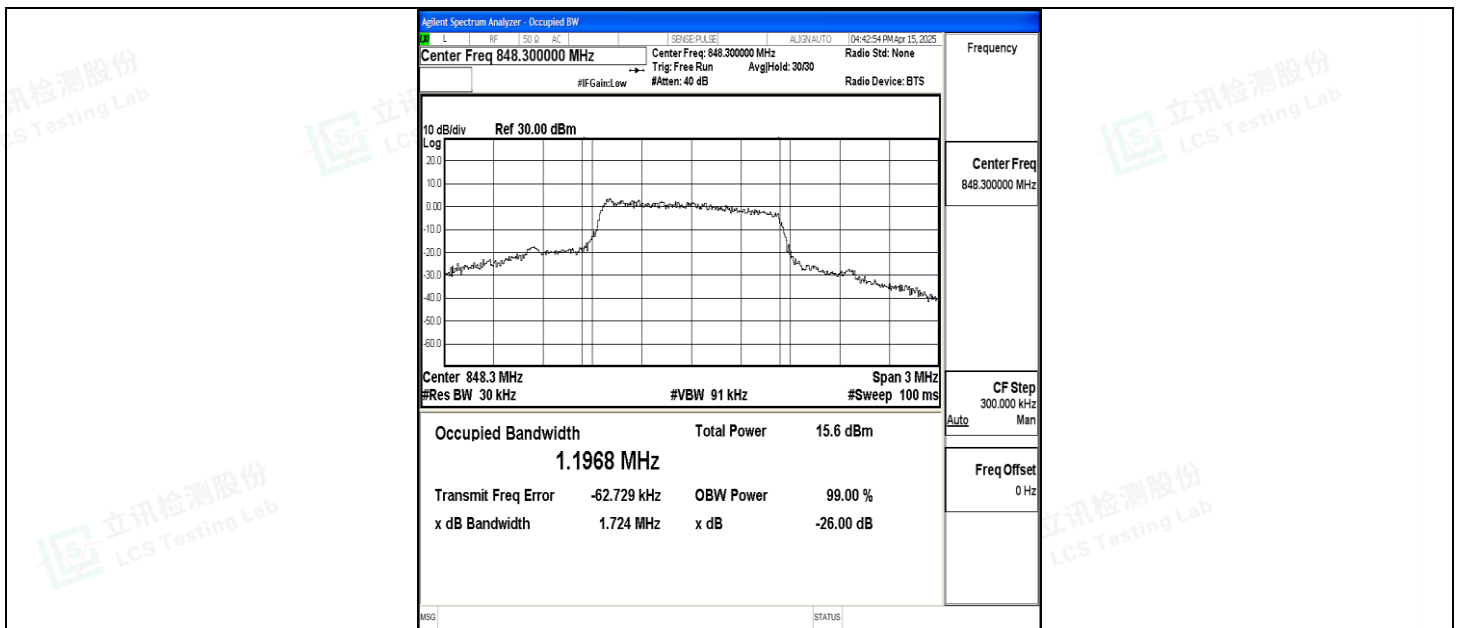
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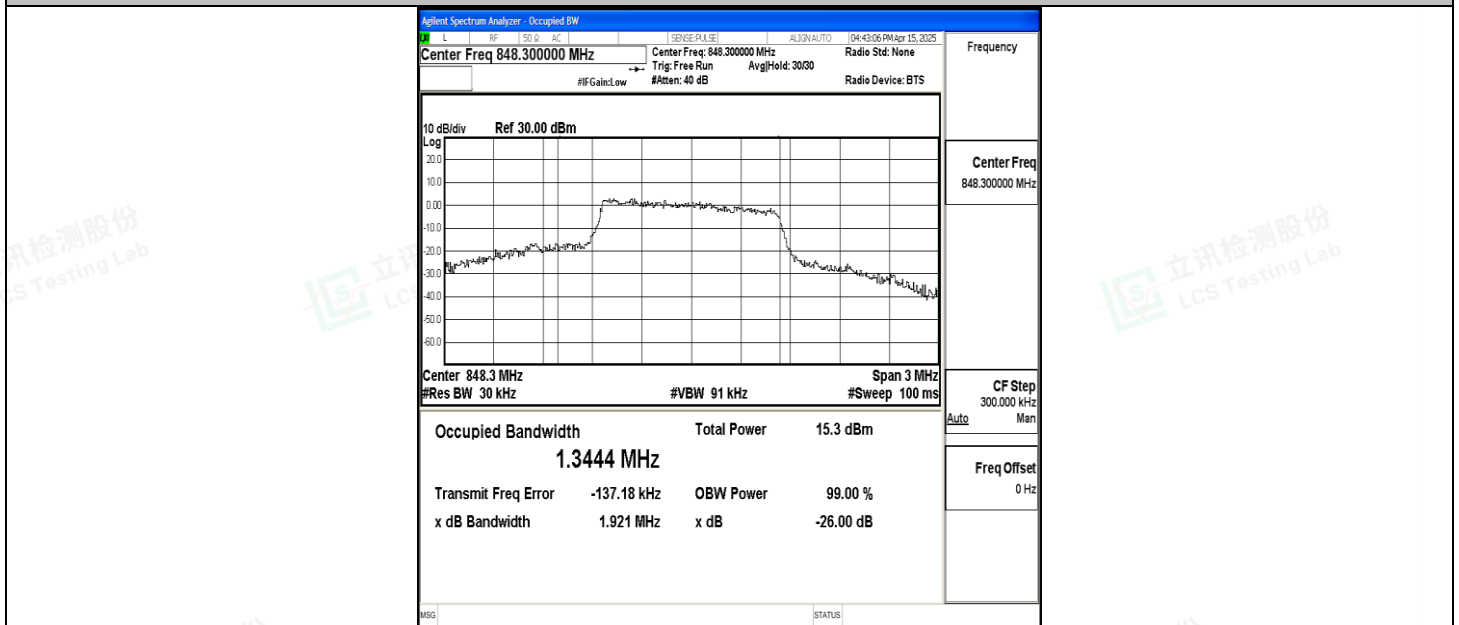
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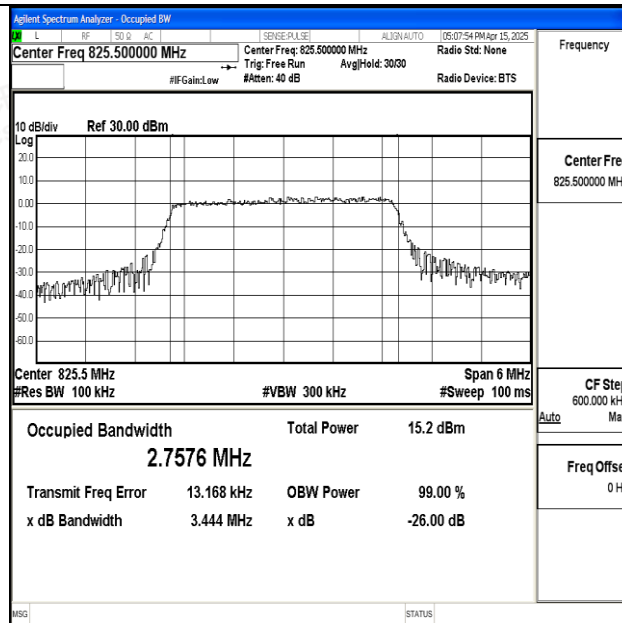
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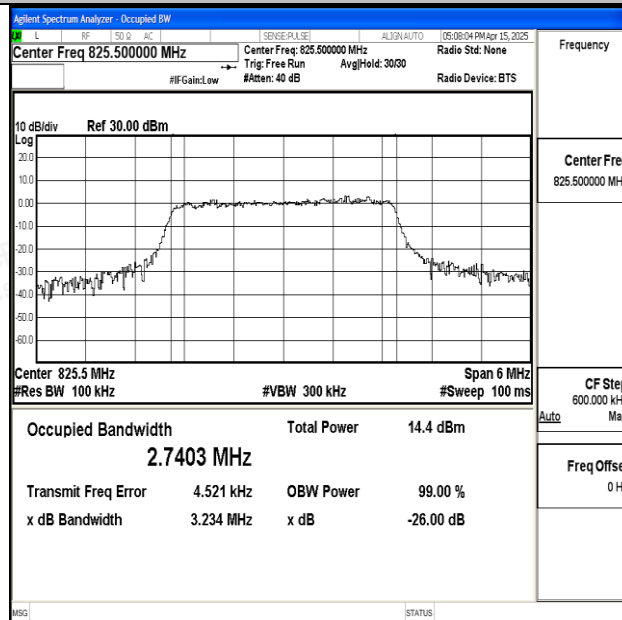
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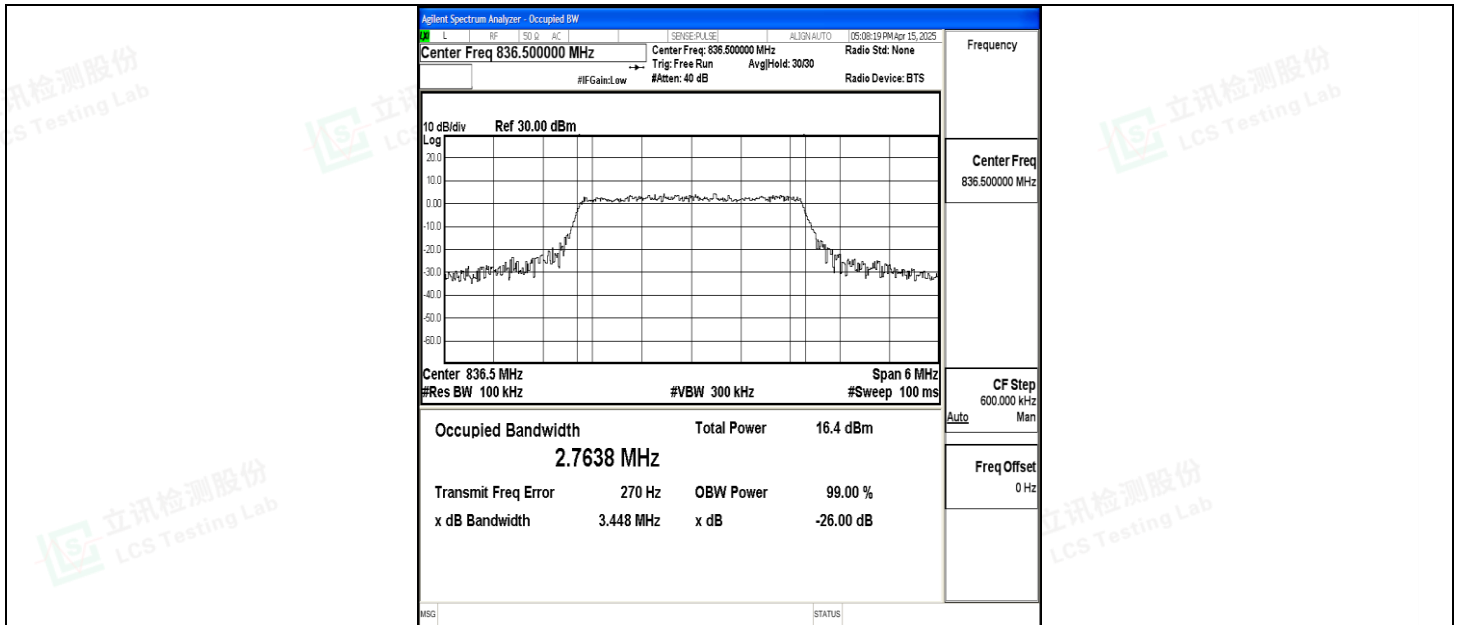
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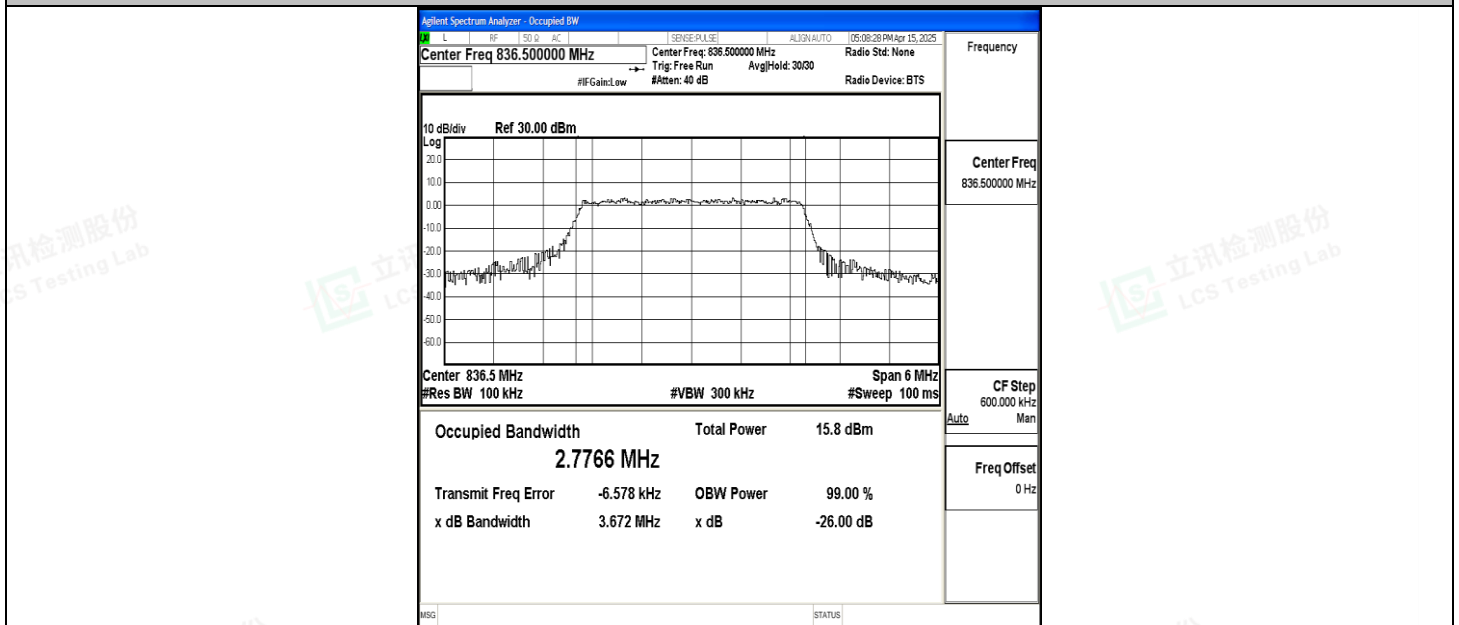
Band5-3MHz-16QAM-20415-15RB#0-PASS



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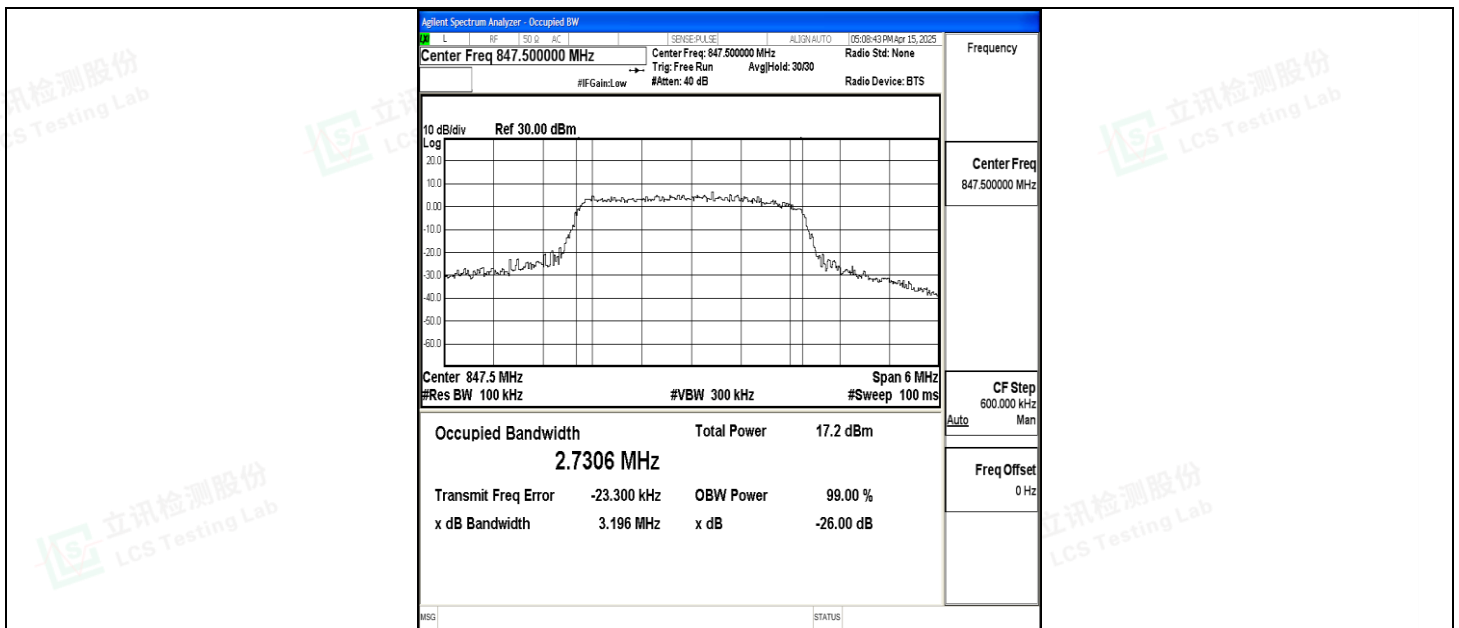
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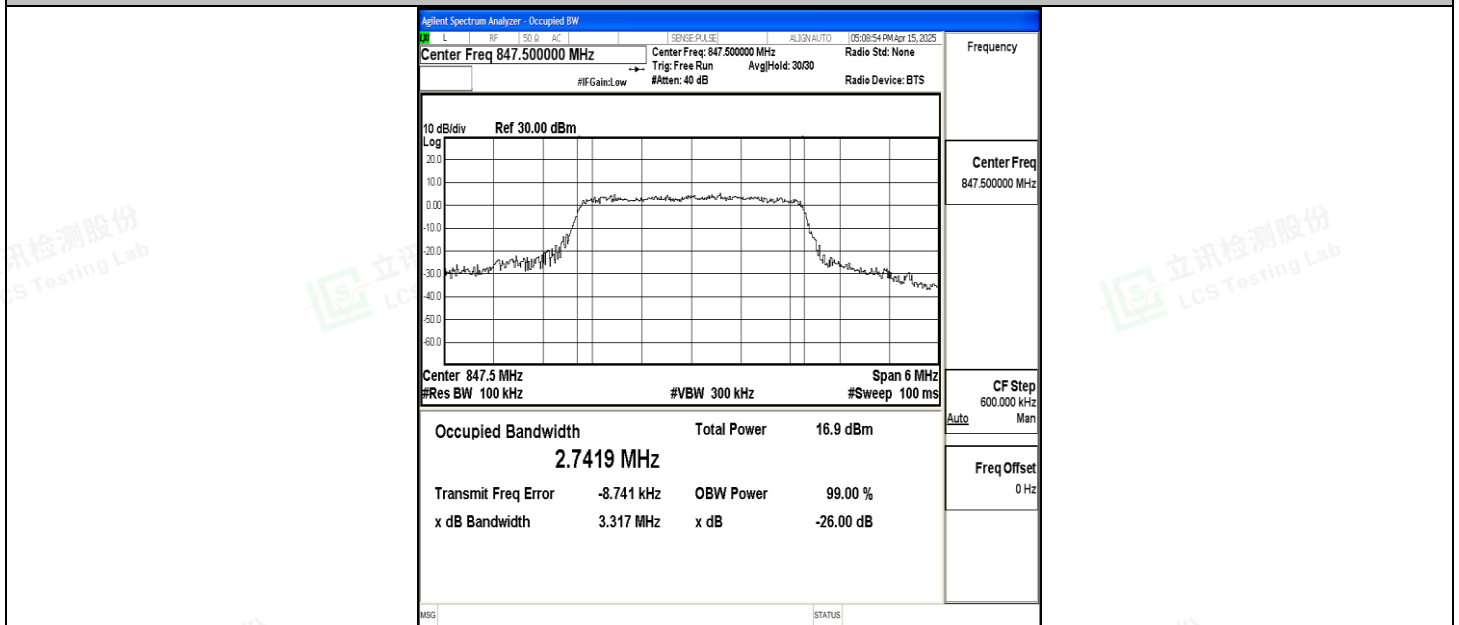
Band5-3MHz-16QAM-20525-15RB#0-PASS



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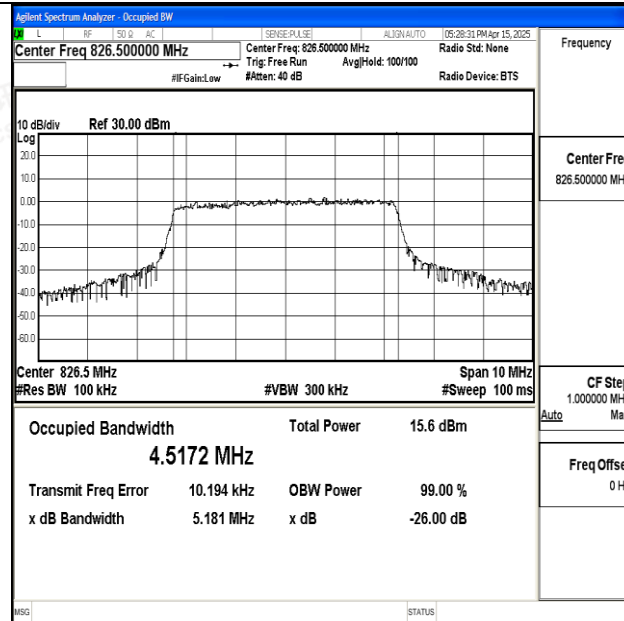
Band5-3MHz-QPSK-20635-15RB#0-PASS



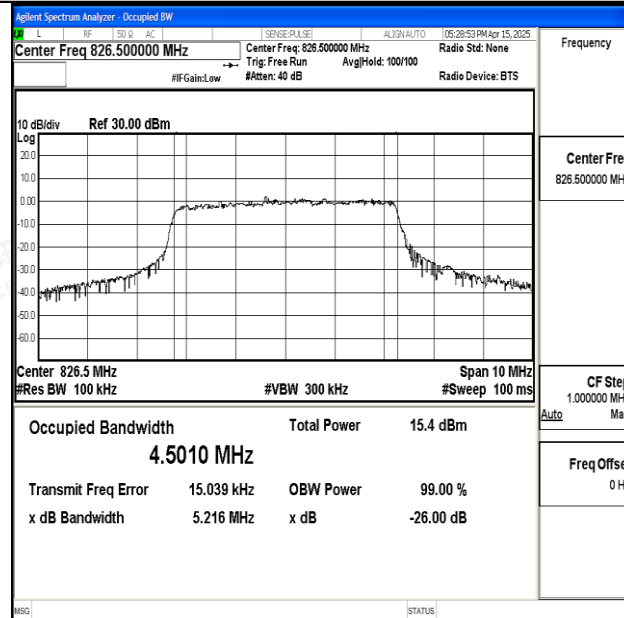
Band5-3MHz-16QAM-20635-15RB#0-PASS



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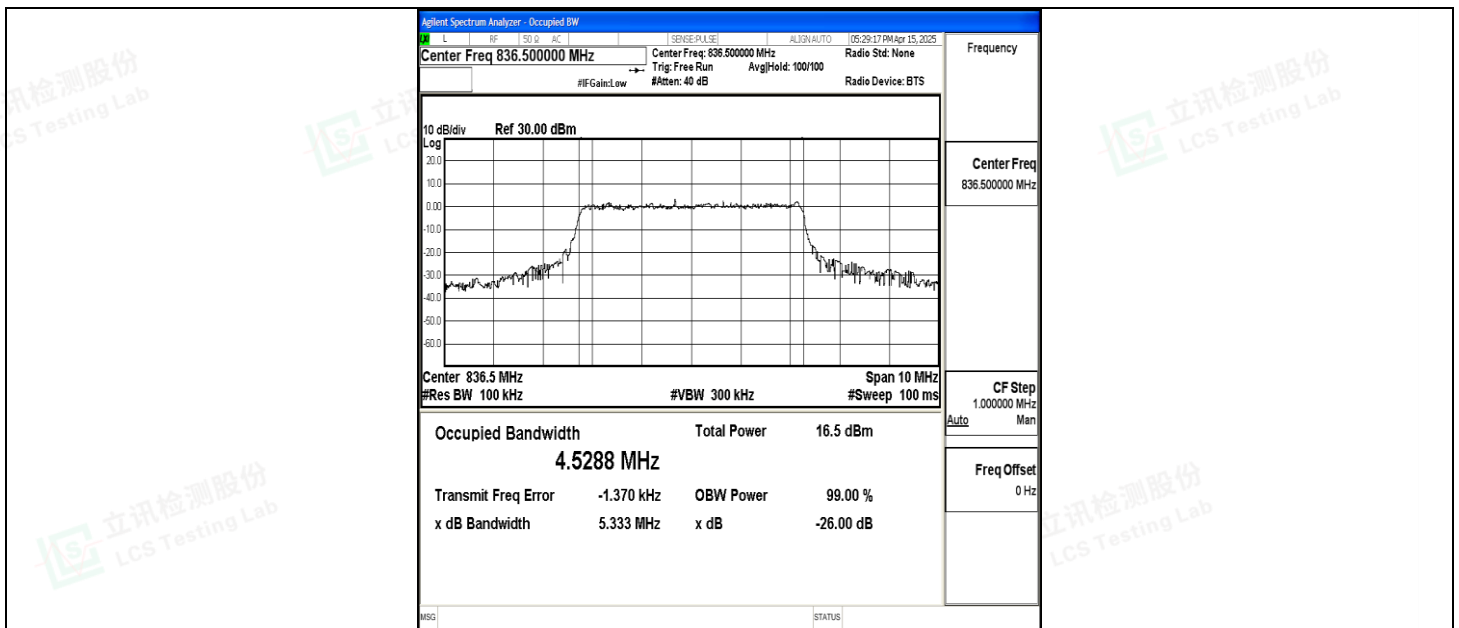
Band5-5MHz-QPSK-20425-25RB#0-PASS



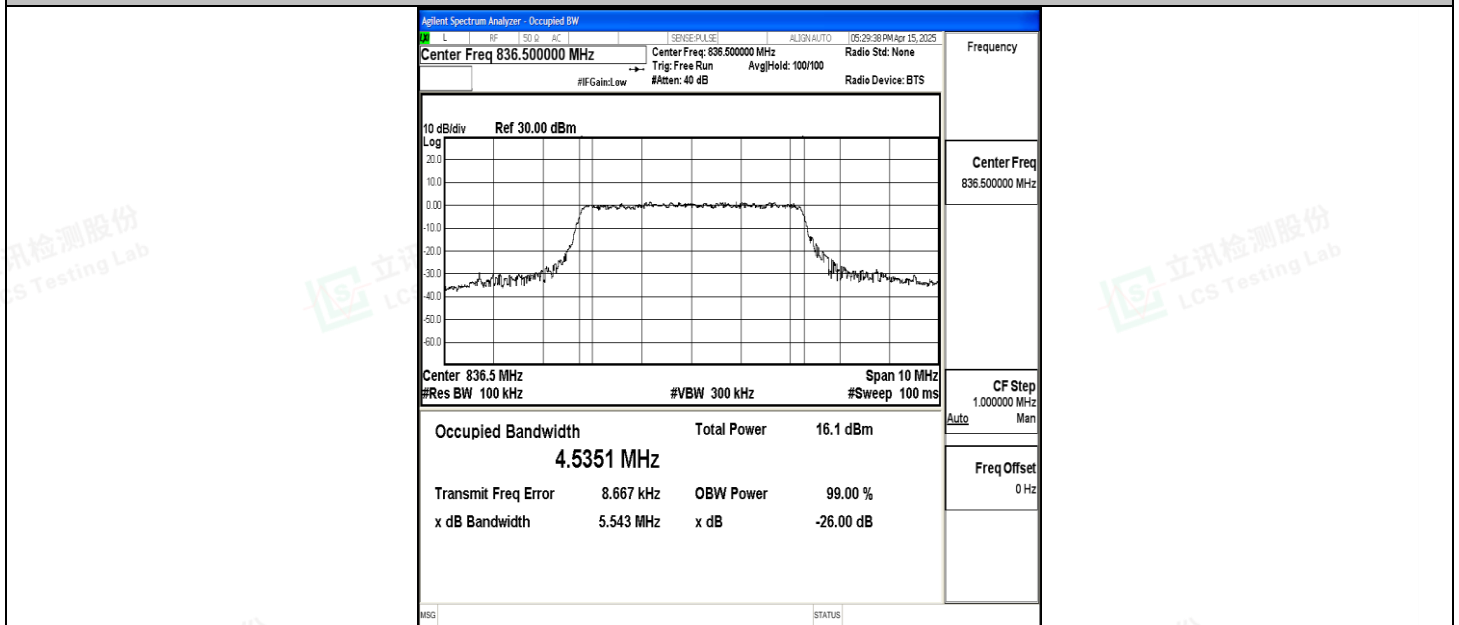
Band5-5MHz-16QAM-20425-25RB#0-PASS



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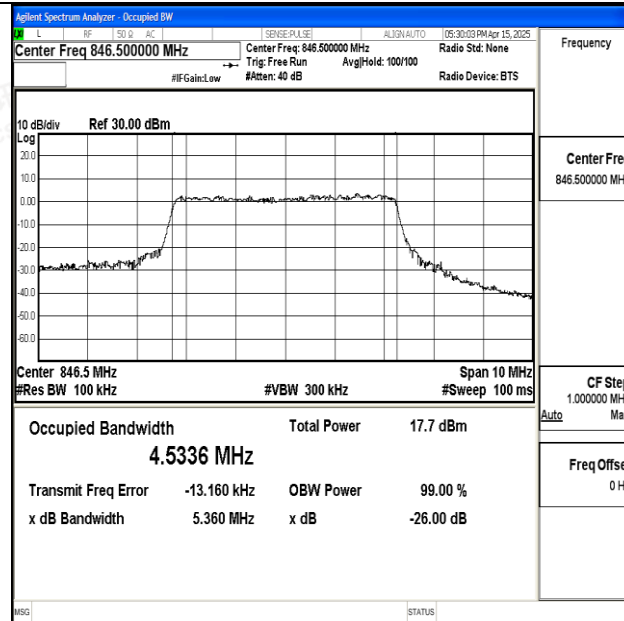
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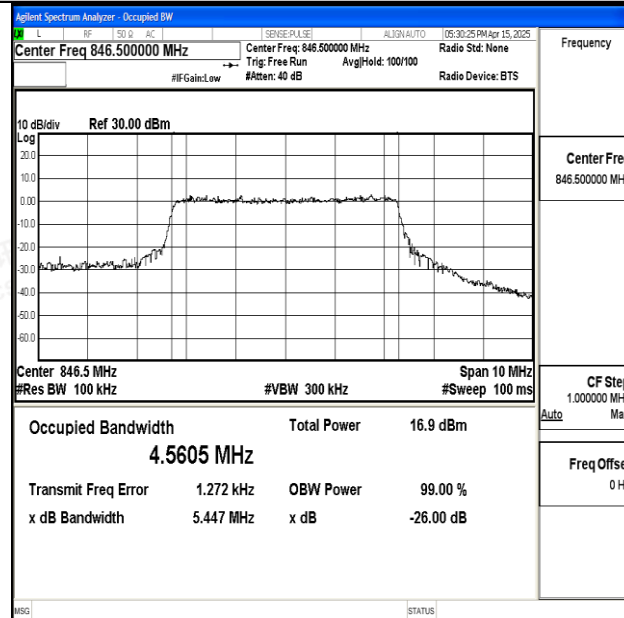
Band5-5MHz-16QAM-20525-25RB#0-PASS



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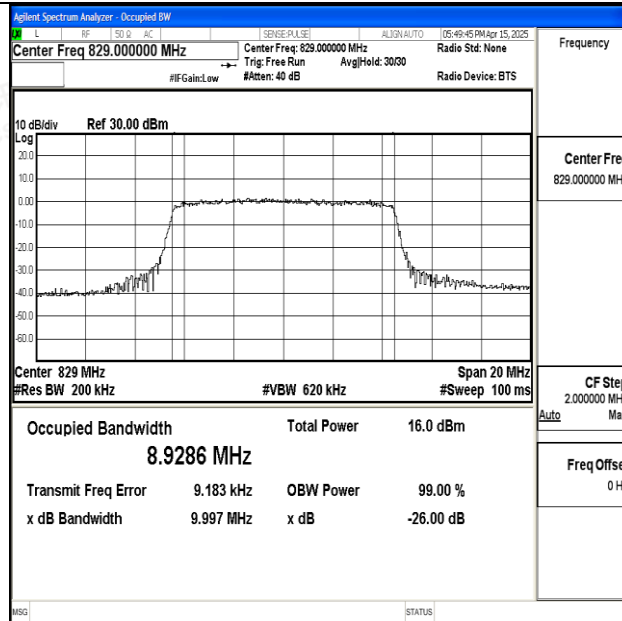
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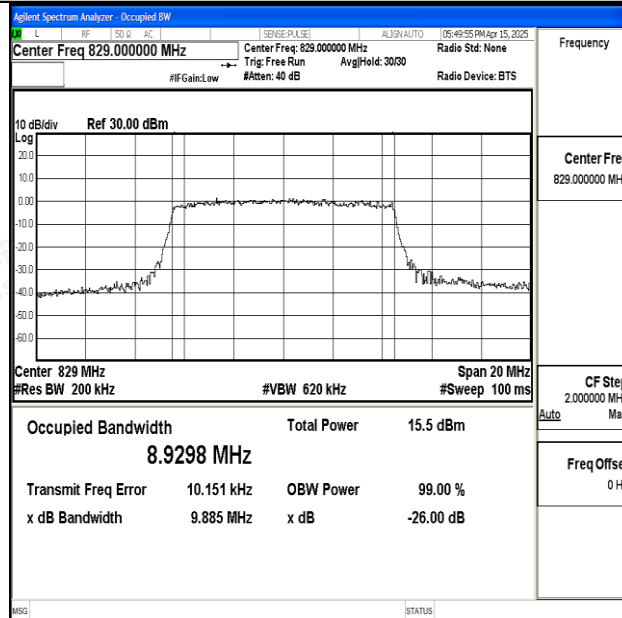
Band5-5MHz-16QAM-20625-25RB#0-PASS



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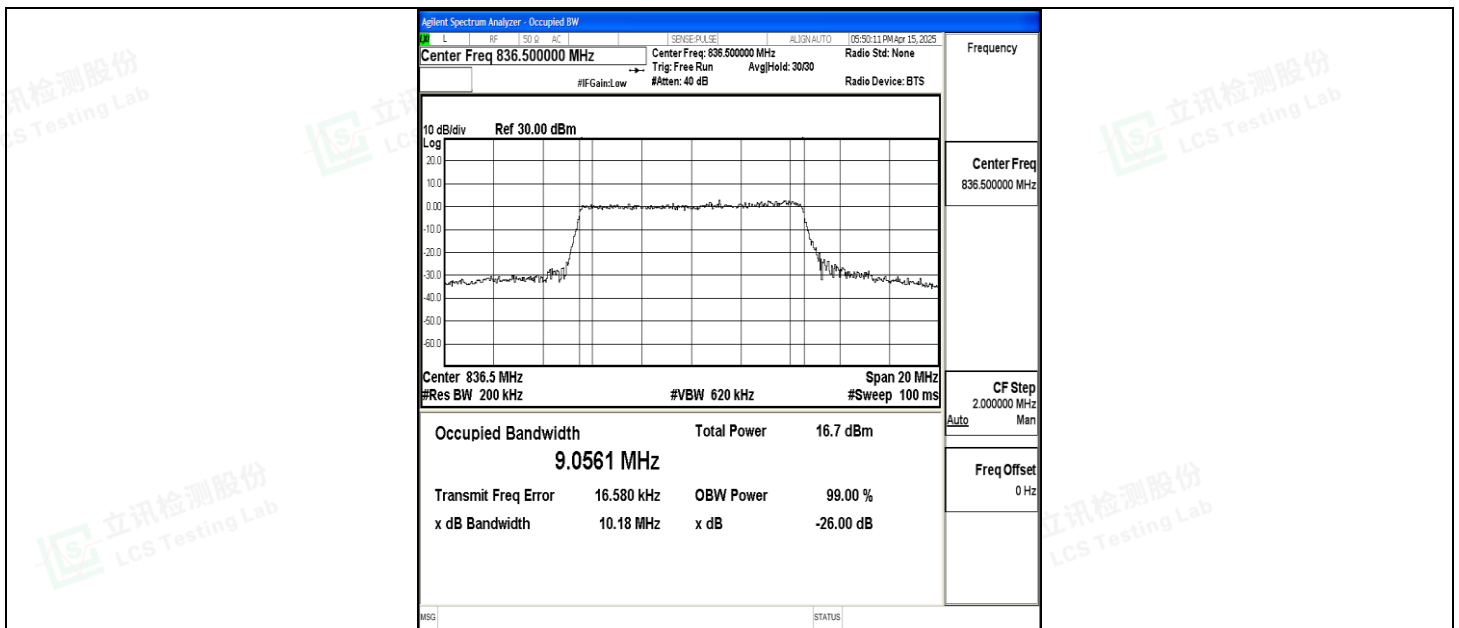
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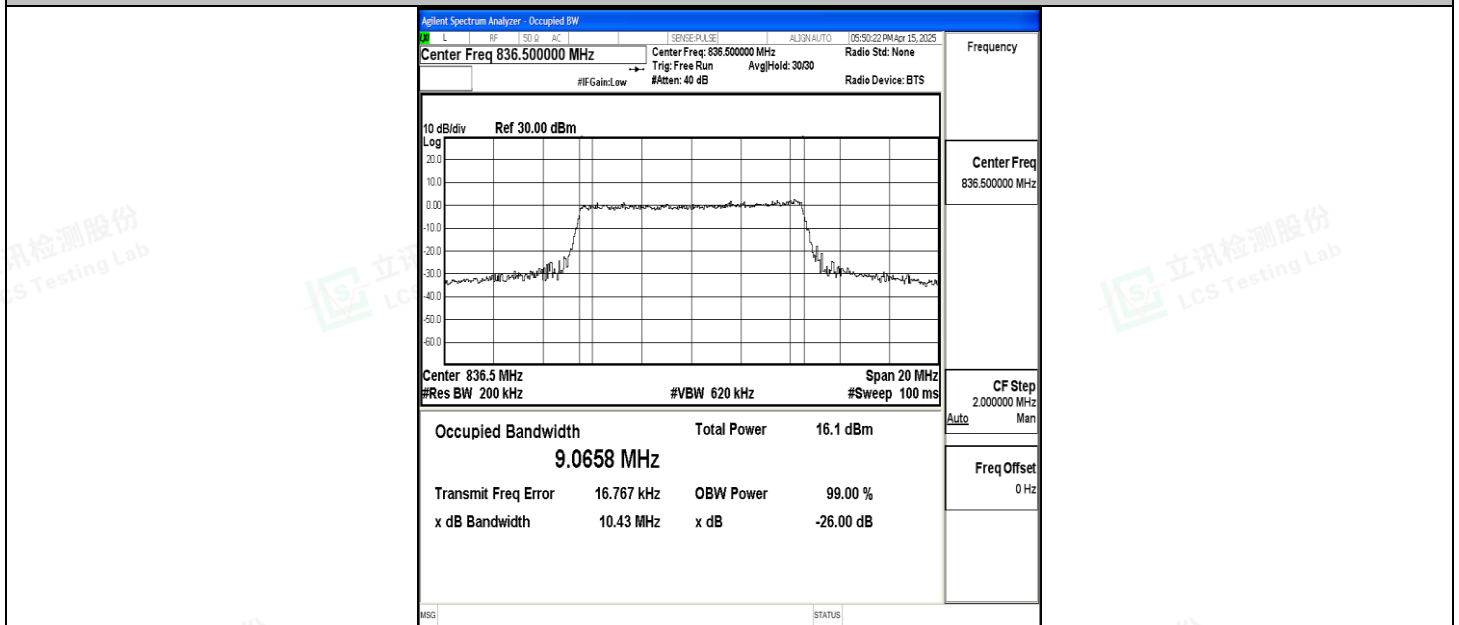
Band5-10MHz-16QAM-20450-50RB#0-PASS



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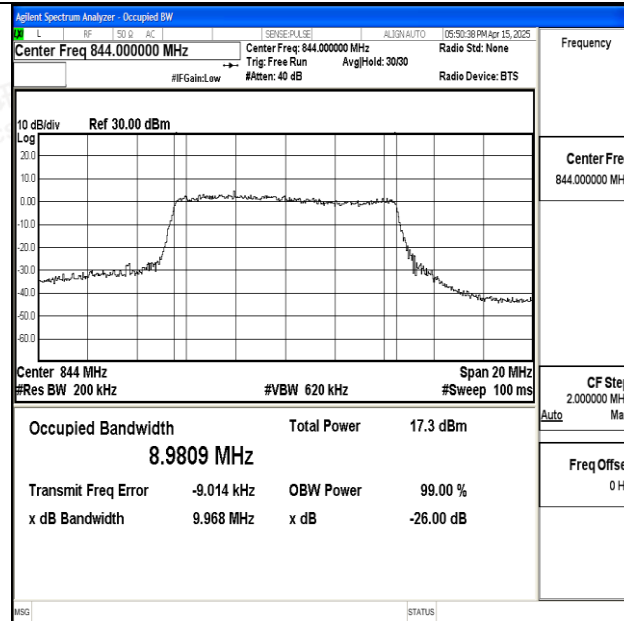
Band5-10MHz-QPSK-20525-50RB#0-PASS



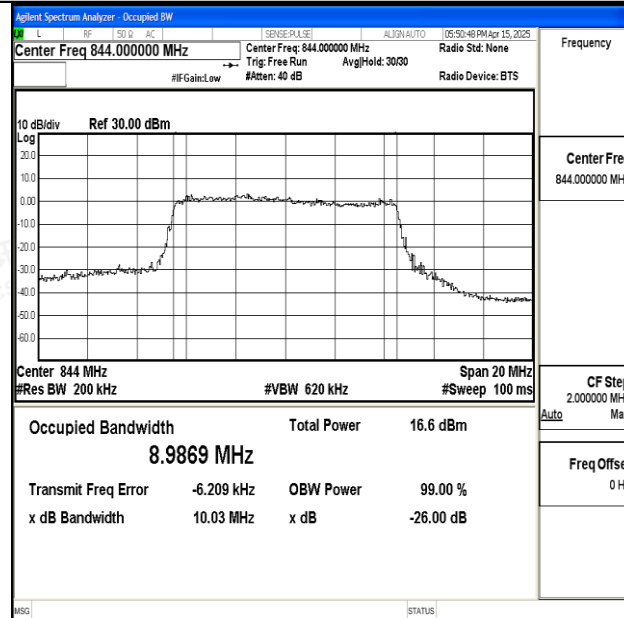
Band5-10MHz-16QAM-20525-50RB#0-PASS



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



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



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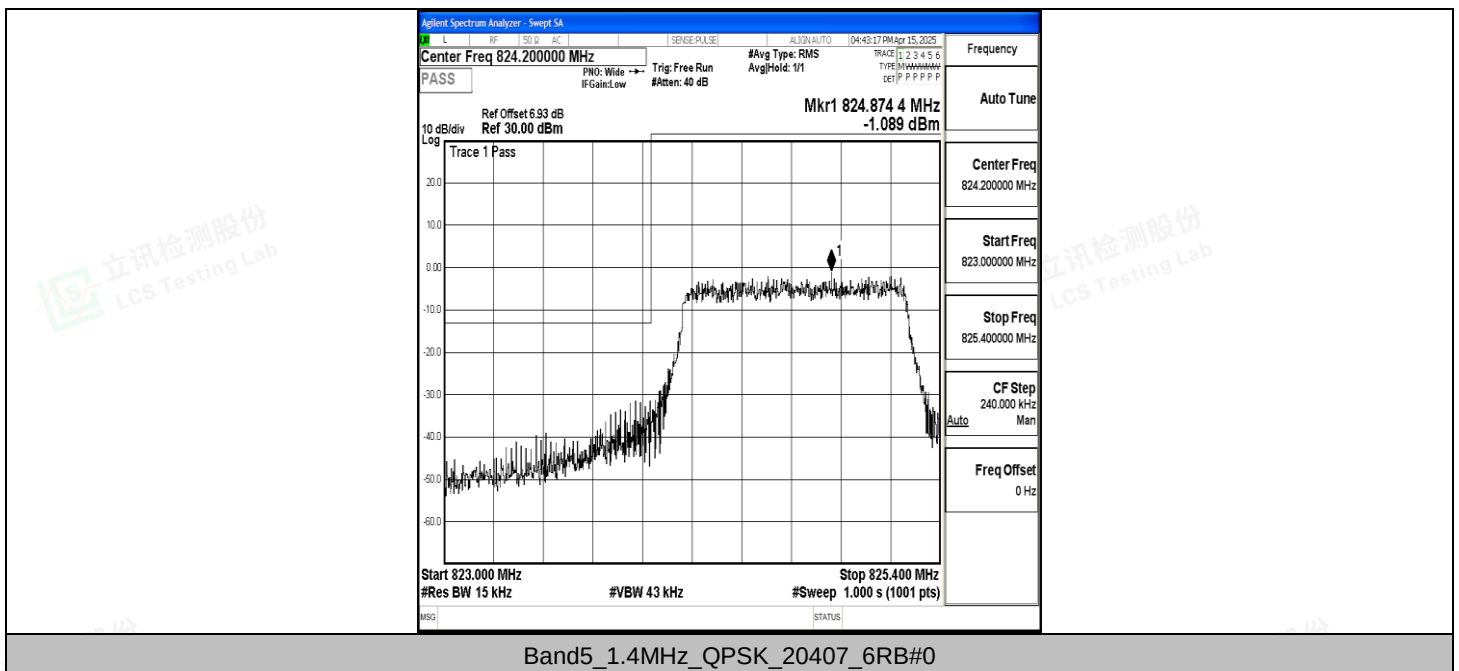


J.4 Band Edge

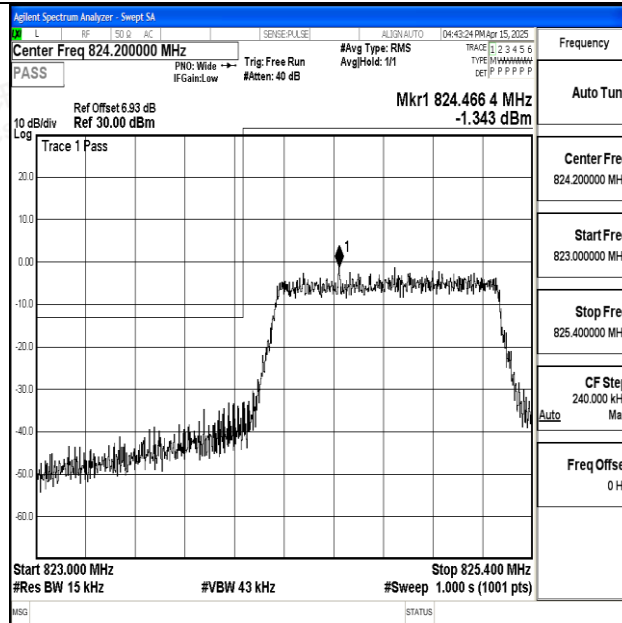
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	824.00	-31.47	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.93	-33.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.10	-29.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.06	-27.42	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-28.67	PASS
Band5	3MHz	16QAM	20415	15RB#0	824.00	-29.43	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.02	-26.62	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-25.71	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.99	-27.65	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.97	-30.53	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.02	-23.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.03	-22.37	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.98	-30.74	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.98	-32.02	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.09	-27.50	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.08	-27.02	PASS

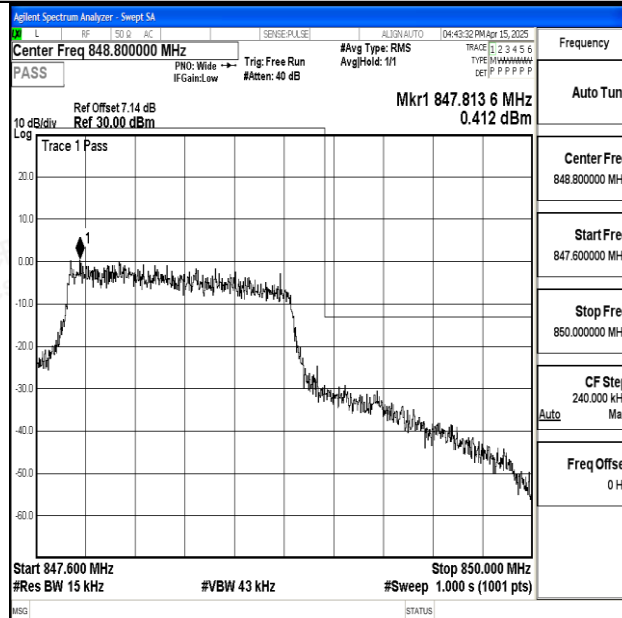
Test Graphs



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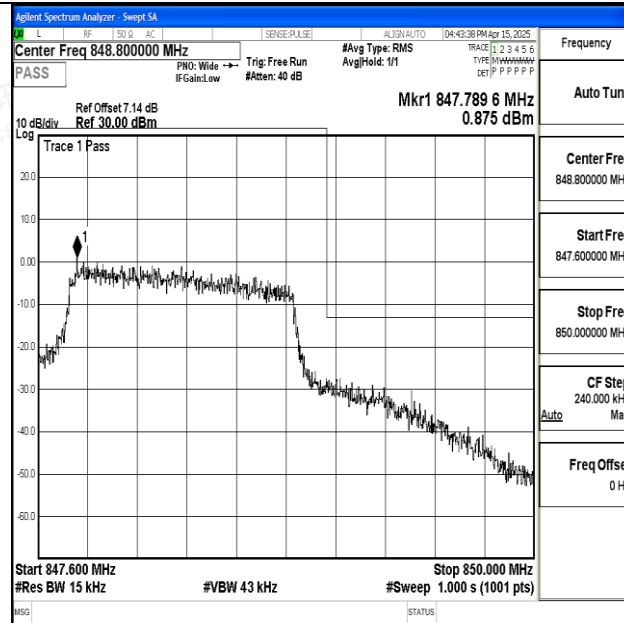


Band5_1.4MHz_16QAM_20407_6RB#0

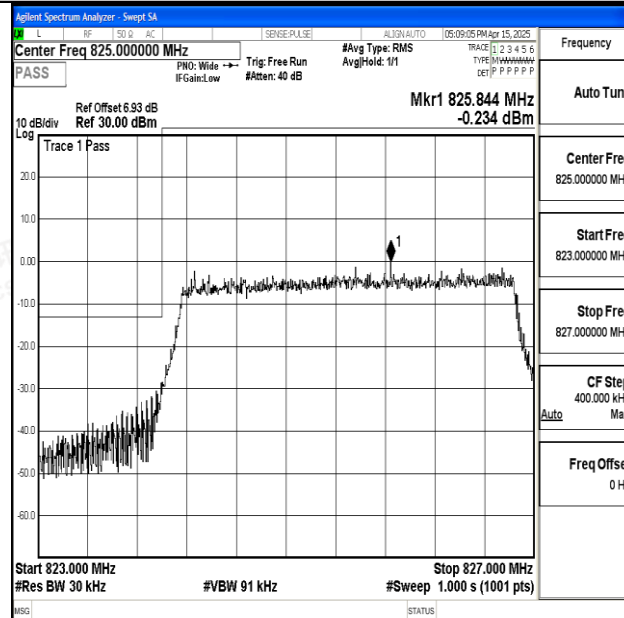


Band5_1.4MHz_QPSK_20643_6RB#0



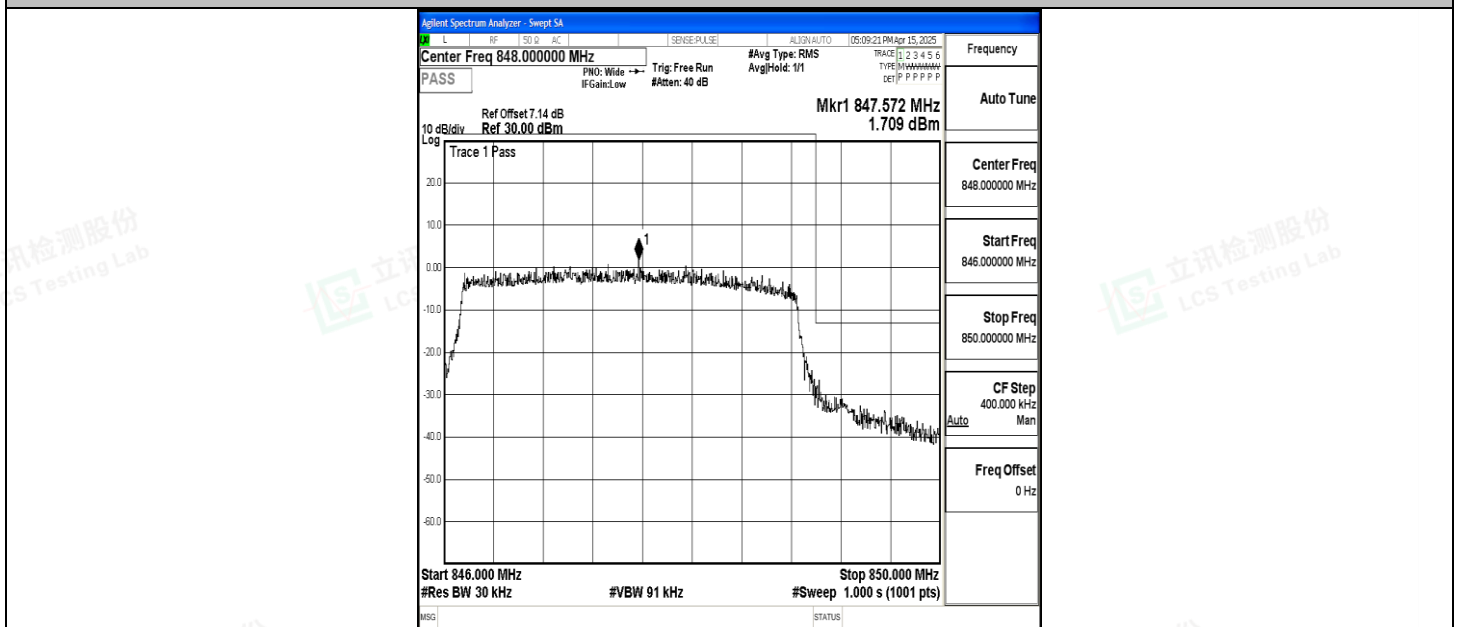
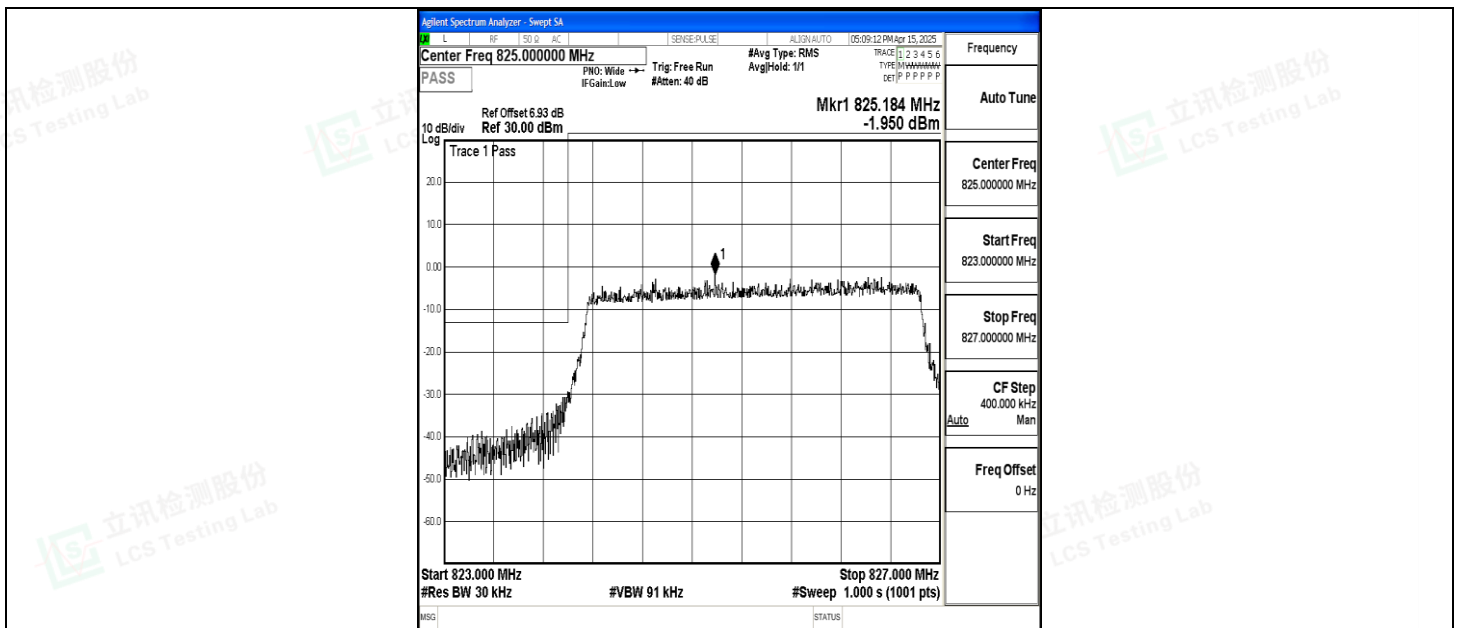


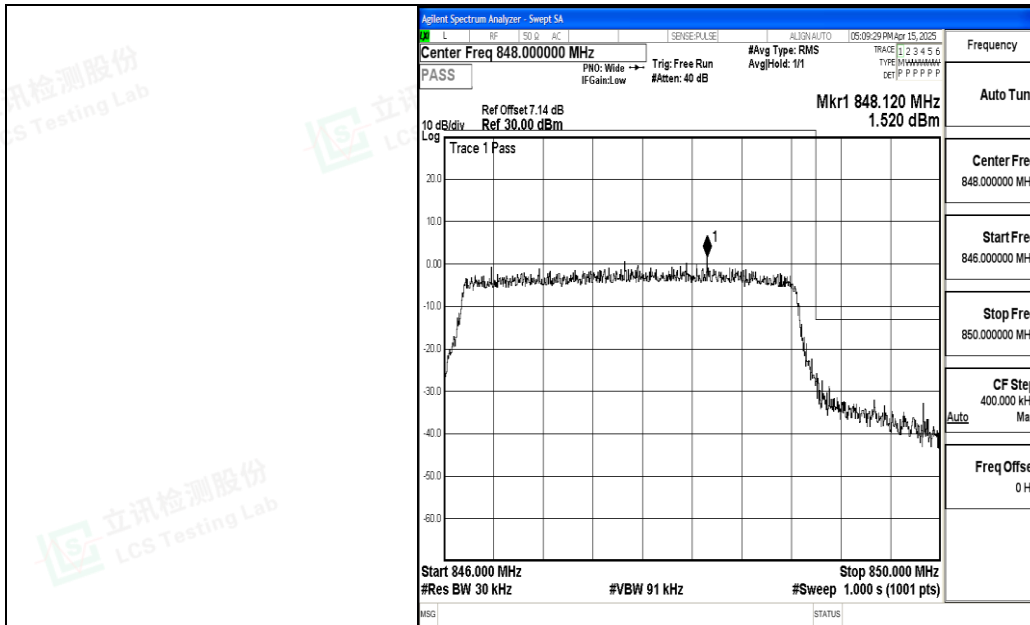
Band5_1.4MHz_16QAM_20643_6RB#0



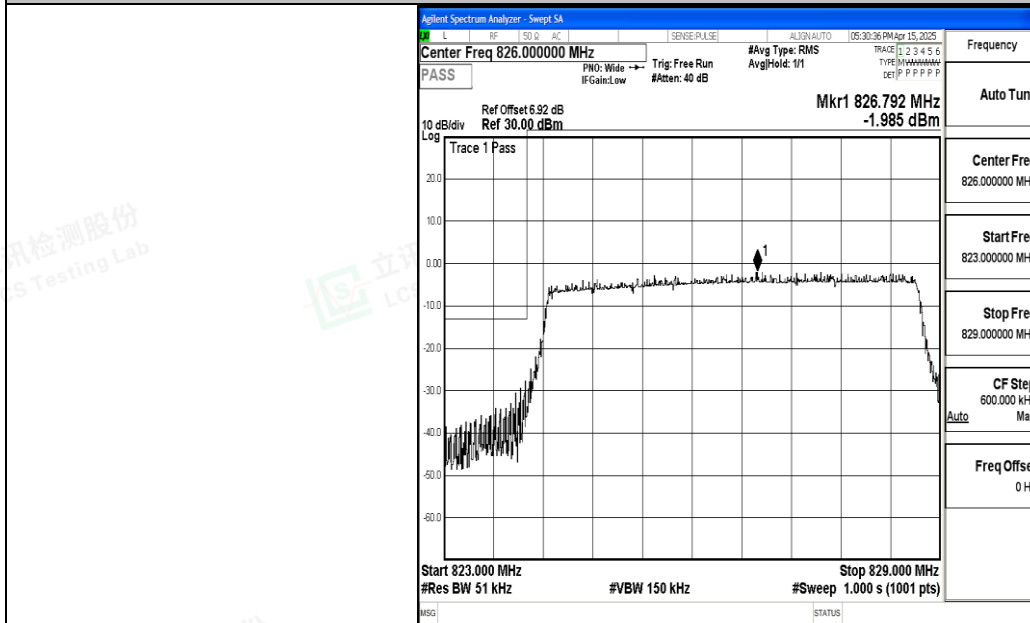
Band5_3MHz_QPSK_20415_15RB#0





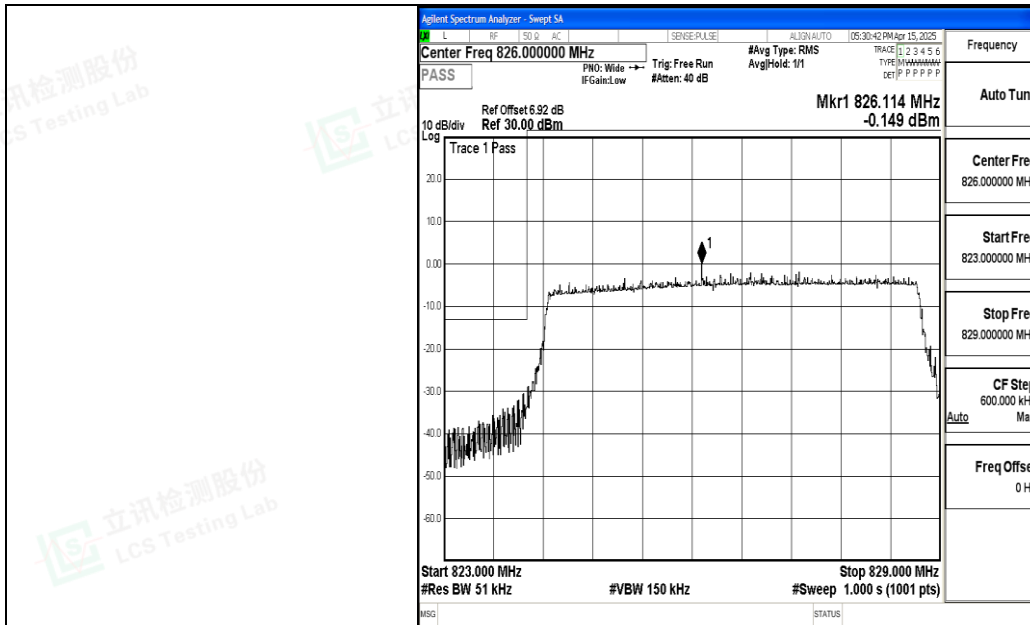


Band5_3MHz_16QAM_20635_15RB#0

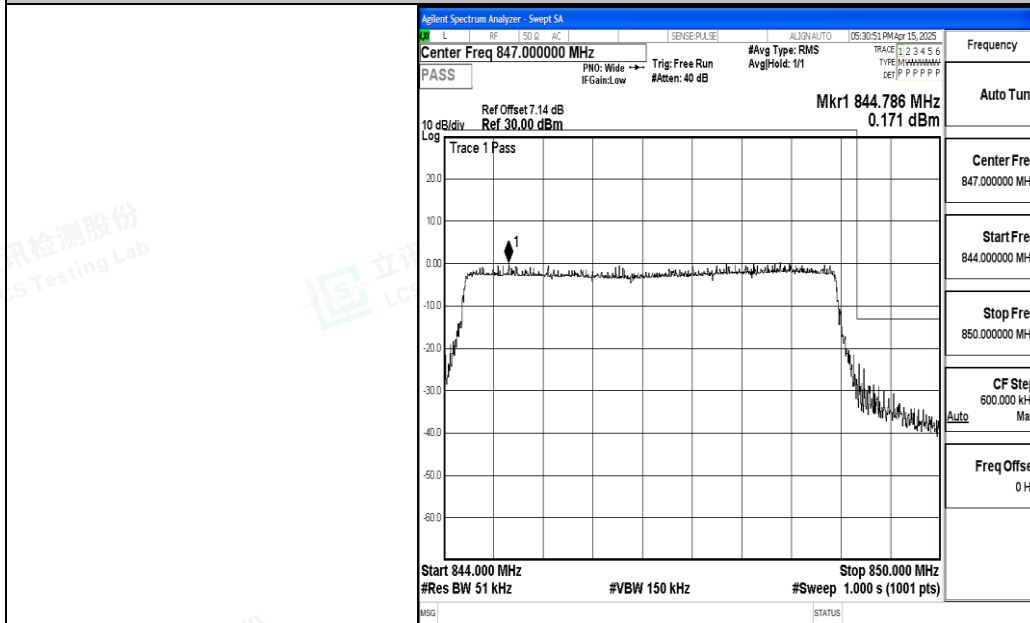


Band5_5MHz_QPSK_20425_25RB#0



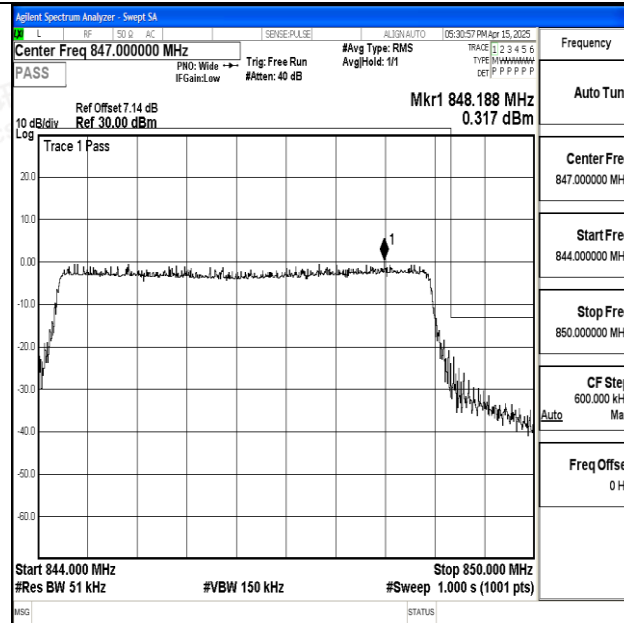


Band5_5MHz_16QAM_20425_25RB#0

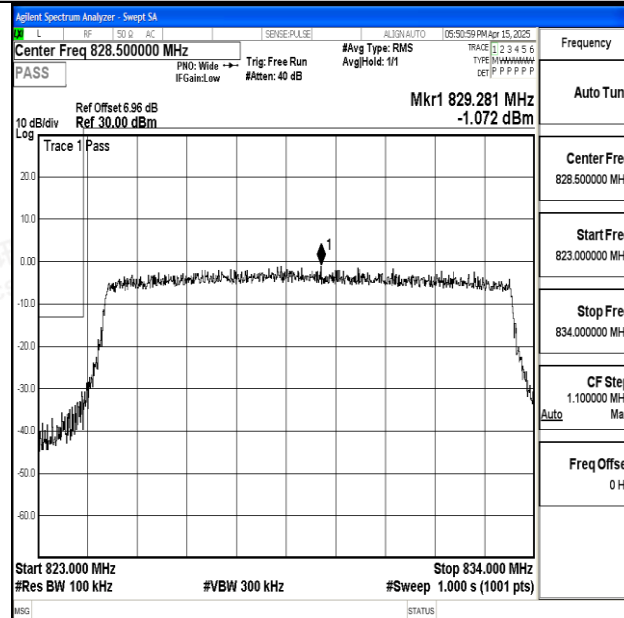


Band5_5MHz_QPSK_20625_25RB#0



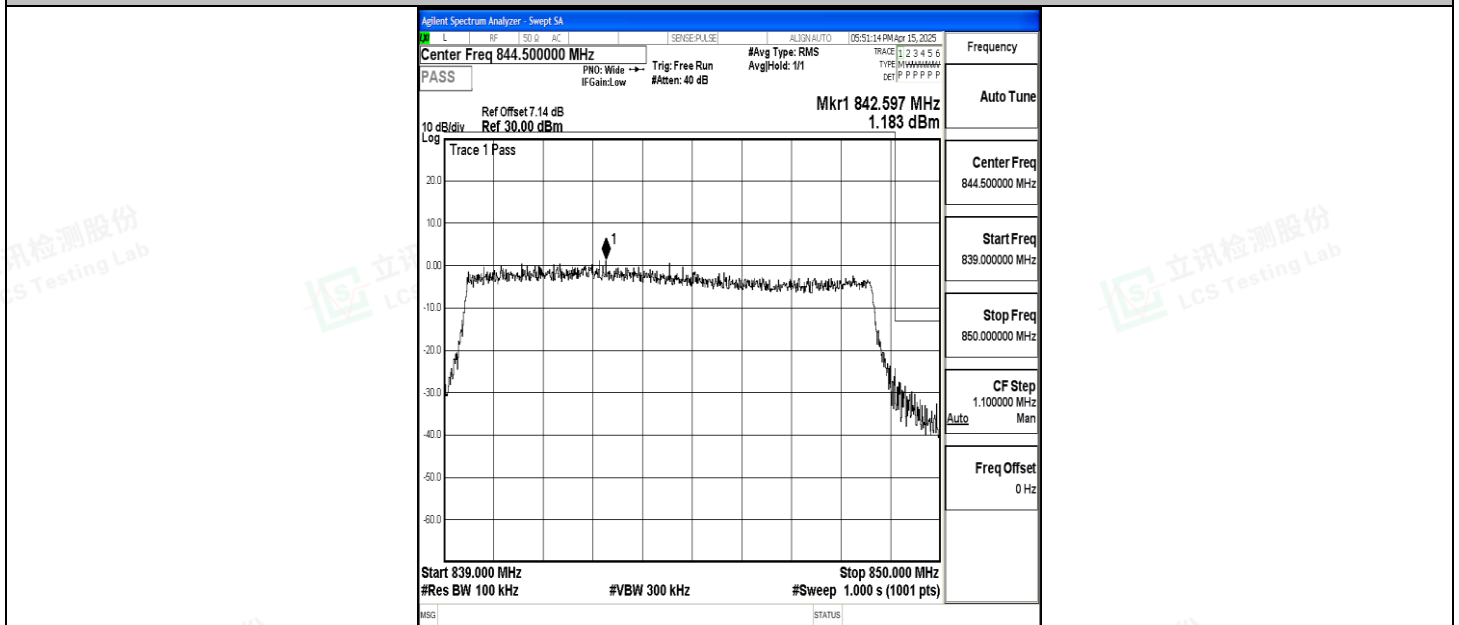
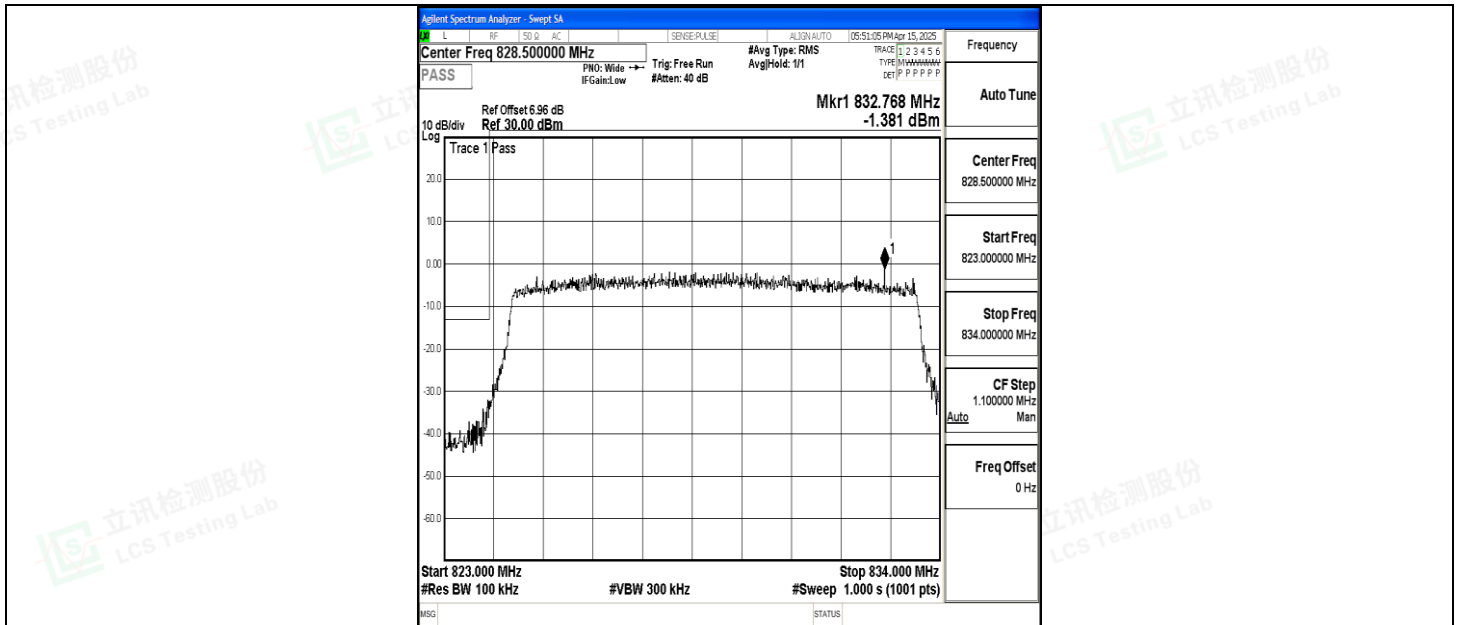


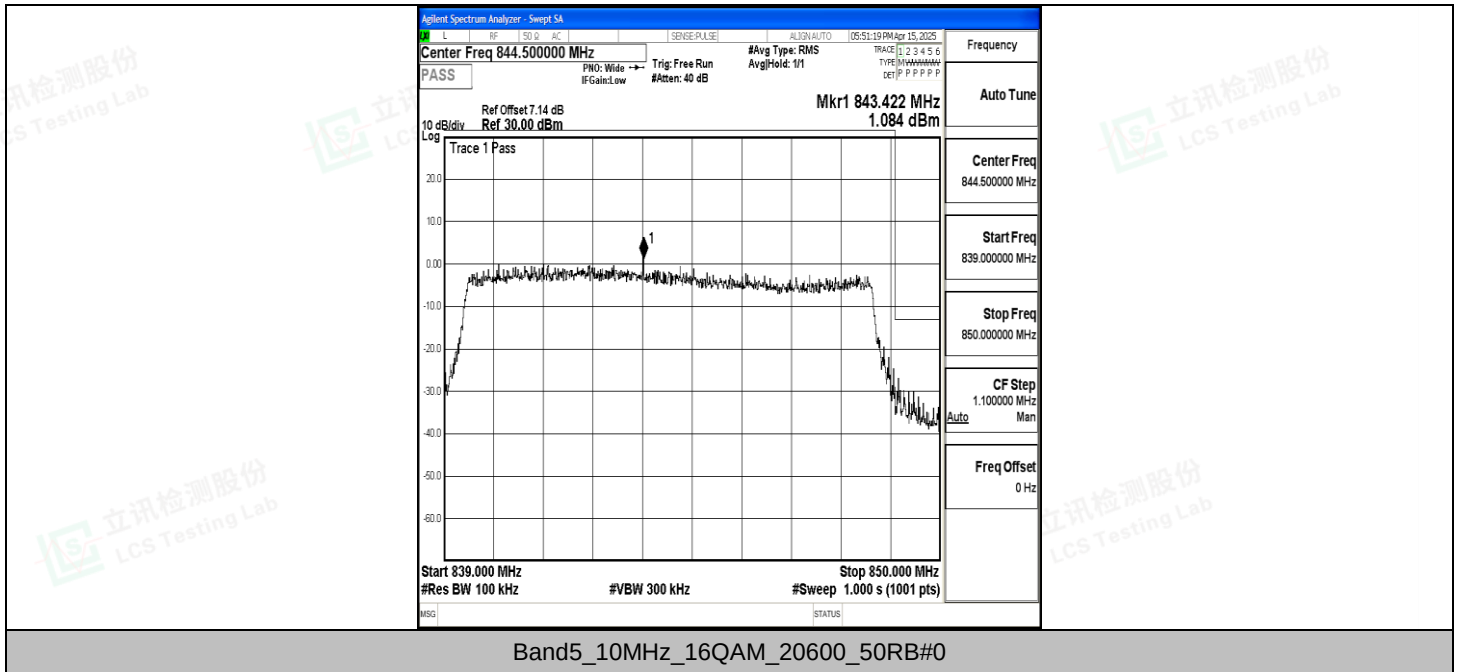
Band5_5MHz_16QAM_20625_25RB#0



Band5_10MHz_QPSK_20450_50RB#0







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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	-41.76	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-46.49	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-38.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-38.94	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-35.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-47.63	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-43.67	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-45.72	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-39.43	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-35.31	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-45.11	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-43.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-39.52	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-38.40	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-35.39	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-48.25	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-44.70	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-39.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-38.28	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-34.86	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-46.84	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-43.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-36.83	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-39.44	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-35.25	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-44.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-44.43	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-43.10	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-39.25	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-35.97	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-45.99	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-42.50	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-45.37	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-39.41	PASS



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Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-35.06	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-44.30	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-45.16	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-43.62	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-30.08	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-35.74	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-47.91	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-45.84	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-43.08	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-39.22	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-35.47	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-49.47	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-44.08	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-42.06	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-18.26	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-35.17	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-44.97	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-43.27	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-40.66	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-28.18	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-35.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-47.15	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-42.90	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-37.69	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-20.59	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-34.54	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-49.41	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-41.81	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-52.54	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-39.25	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-35.49	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-44.86	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-44.68	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-53.07	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-38.91	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-35.22	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-46.58	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-43.71	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-53.38	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-31.29	PASS



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Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-35.24	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-43.47	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-44.61	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-53.36	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-31.99	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-35.38	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-42.77	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-44.30	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-53.32	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-30.83	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-34.36	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-47.64	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-42.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-52.82	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-30.19	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-34.83	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-46.78	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-45.82	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-53.55	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-38.22	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-35.42	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-48.17	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-41.83	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-52.83	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-38.26	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-35.48	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-48.14	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-42.43	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-52.75	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-36.21	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-35.22	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-48.03	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-45.56	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-52.99	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-38.75	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-34.56	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-48.78	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-43.02	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-53.03	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-38.66	PASS

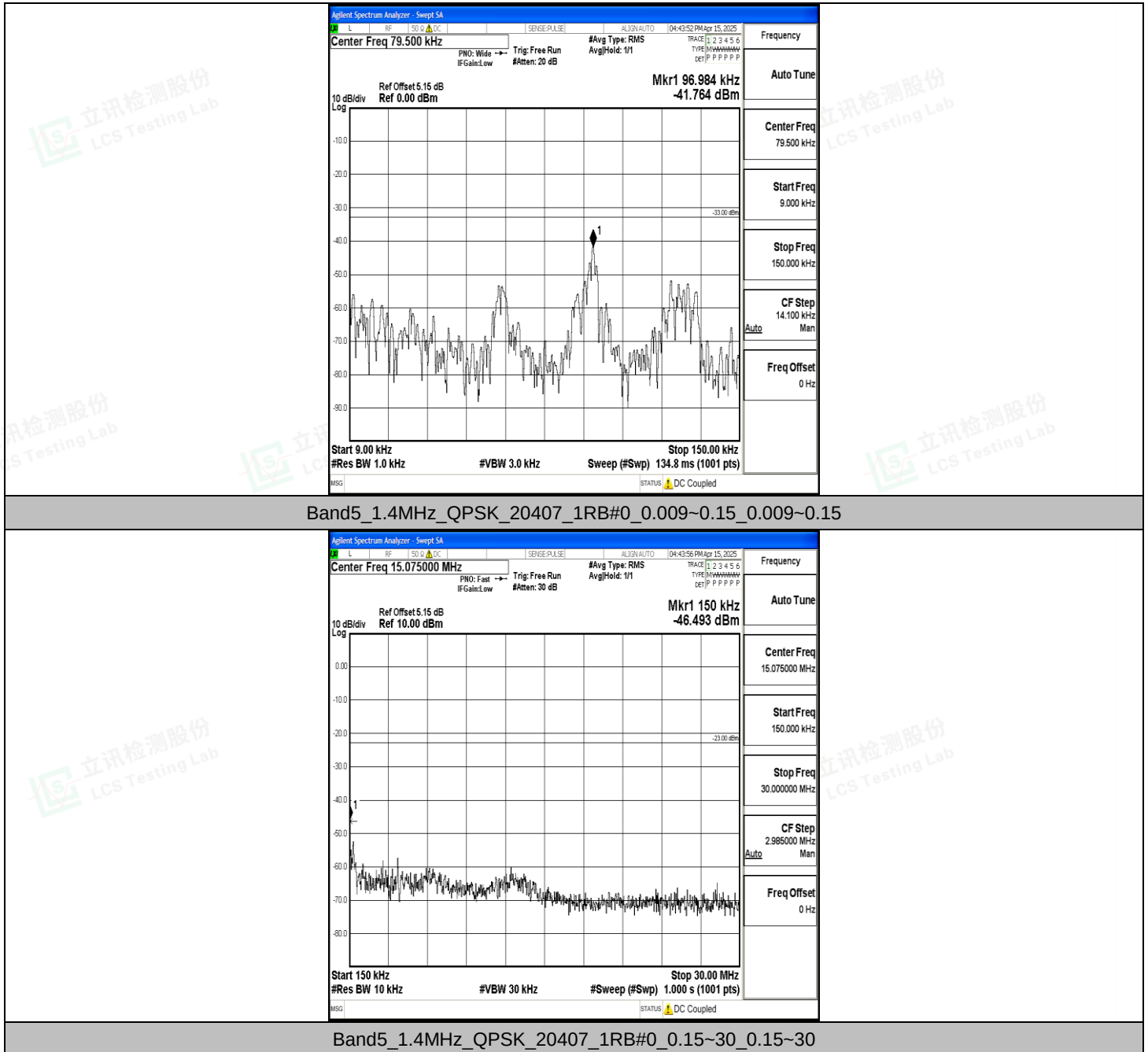


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Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

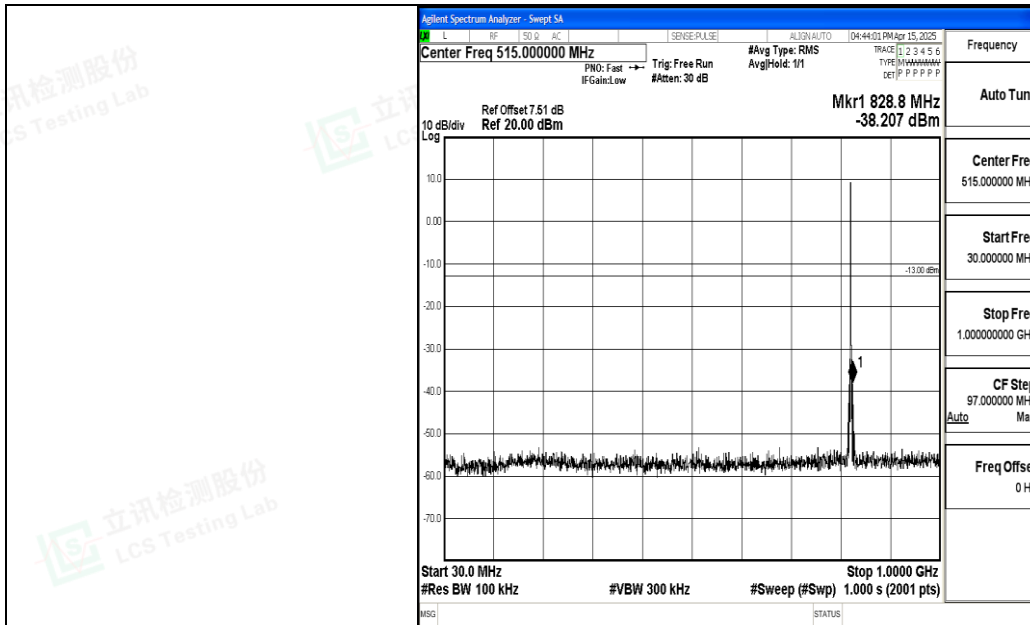


Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-35.53	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-48.49	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-44.87	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-52.82	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-38.10	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-35.29	PASS

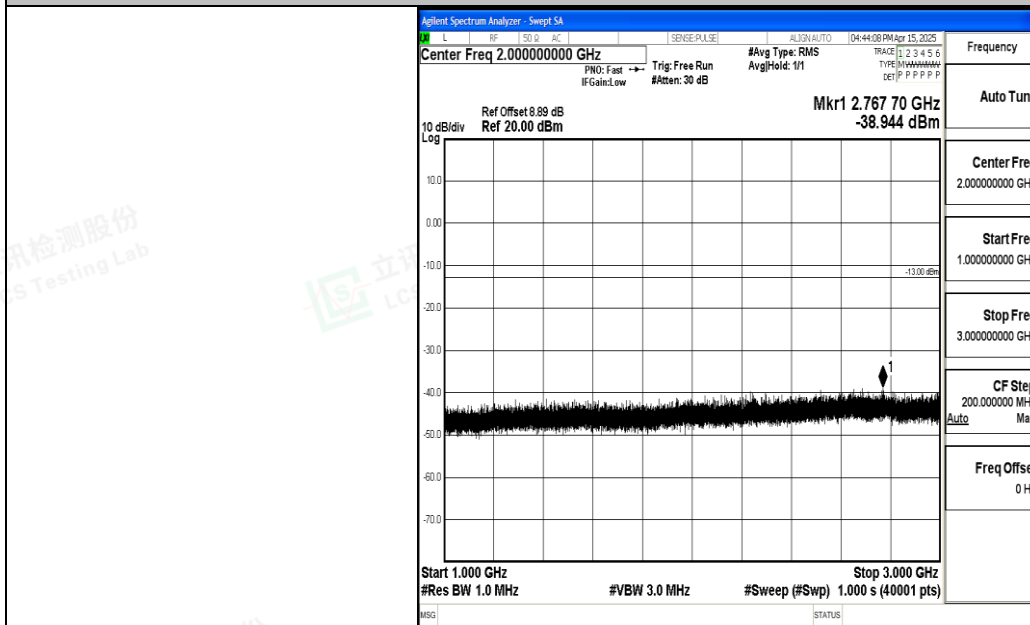
Test Graphs



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



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

