



Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community,
Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR250502026-03

Pet locator

M/N:HW-PET10

FCC ID:2AQSK-HW-PET10

Applicant:HuiZhou BoShiJie Technology CO.,Ltd

Appendix for LTE Band 5



Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.76	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.88	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.97	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	25.16	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	25.08	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	25.24	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	24.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.74	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.84	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.78	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.64	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.73	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.68	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.87	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	25.15	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	25.07	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	25.06	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	25.11	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	25.03	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	25.00	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.96	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.91	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.89	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.97	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.90	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.84	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.86	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	23.02	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.96	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.92	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.66	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.68	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.66	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.58	PASS



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Band5	1.4MHz	QPSK	20643	6RB#0	23.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.94	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.76	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.61	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.43	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.39	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.34	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.61	PASS
Band5	3MHz	QPSK	20415	1RB#0	25.09	PASS
Band5	3MHz	QPSK	20415	1RB#8	25.23	PASS
Band5	3MHz	QPSK	20415	1RB#14	25.05	PASS
Band5	3MHz	QPSK	20415	8RB#0	24.04	PASS
Band5	3MHz	QPSK	20415	8RB#4	24.20	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.89	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.94	PASS
Band5	3MHz	16QAM	20415	1RB#0	24.08	PASS
Band5	3MHz	16QAM	20415	1RB#8	24.03	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.73	PASS
Band5	3MHz	16QAM	20415	8RB#0	23.03	PASS
Band5	3MHz	16QAM	20415	8RB#4	23.10	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.96	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.82	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.47	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.55	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.76	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.81	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.82	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.97	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.92	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.22	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.17	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.70	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.81	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.81	PASS
Band5	3MHz	16QAM	20525	8RB#7	23.05	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.97	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.77	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.72	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.65	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.60	PASS



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Band5	3MHz	QPSK	20635	8RB#4	23.70	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.79	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.74	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.66	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.48	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.48	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.77	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.78	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.88	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.73	PASS
Band5	5MHz	QPSK	20425	1RB#0	25.27	PASS
Band5	5MHz	QPSK	20425	1RB#12	25.24	PASS
Band5	5MHz	QPSK	20425	1RB#24	25.29	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.79	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.98	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.78	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.87	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.77	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.84	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.28	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.77	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.85	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.49	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.59	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.32	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.07	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.63	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.33	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.34	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.77	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.71	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.25	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.00	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.78	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.42	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.44	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.97	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.65	PASS
Band5	5MHz	QPSK	20625	1RB#0	25.15	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.92	PASS

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Band5	5MHz	QPSK	20625	1RB#24	24.81	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.47	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.60	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.76	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.66	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.90	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.71	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.62	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.49	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.54	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.66	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.59	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.88	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.80	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.87	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.25	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.45	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.38	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.69	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.84	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.80	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.59	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.44	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.52	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.30	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.70	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.27	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.44	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.21	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.20	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.62	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.85	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.08	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.88	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.38	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.19	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.18	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.71	PASS
Band5	10MHz	QPSK	20600	1RB#0	25.33	PASS
Band5	10MHz	QPSK	20600	1RB#24	25.12	PASS



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Band5	10MHz	QPSK	20600	1RB#49	25.00	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.50	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.70	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.74	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.97	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.93	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.82	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.61	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.64	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.75	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.69	PASS



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Appendix B: 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	3.14	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.33	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.21	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.16	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.65	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.51	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.37	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.34	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.42	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.43	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.21	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.23	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.96	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.29	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.70	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	5.19	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.70	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	6.08	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.49	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	4.68	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.59	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	5.77	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.37	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	2.91	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.17	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.98	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.93	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.66	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.97	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.32	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.39	13	PASS



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Band5	5MHz	QPSK	20625	25RB#0	5.54	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.37	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.25	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.36	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.49	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.29	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.10	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.56	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	6.29	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.12	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.49	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.16	13	PASS

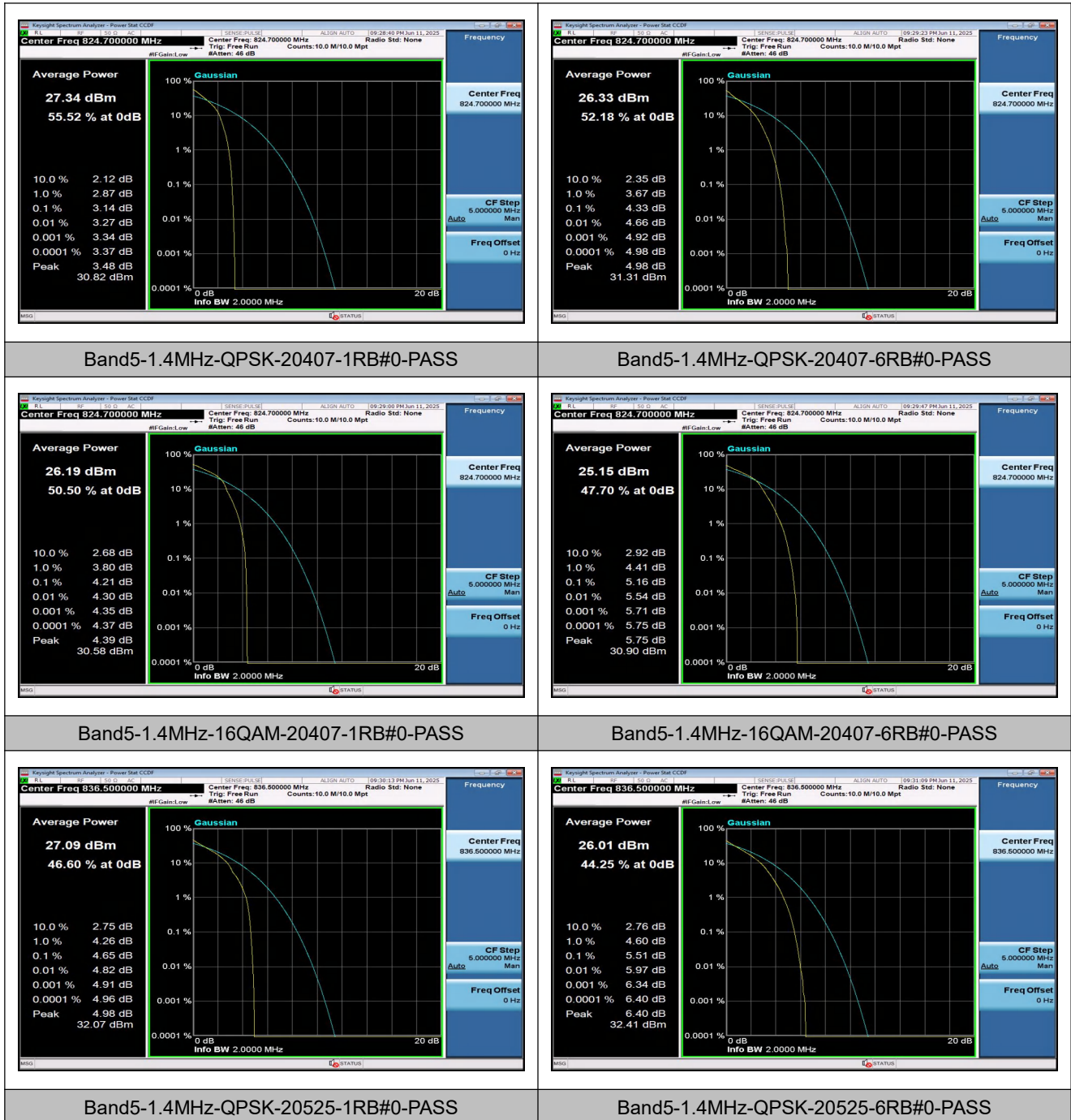


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Test Graphs





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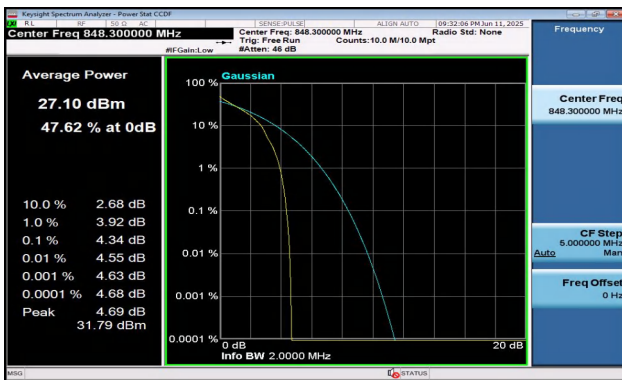
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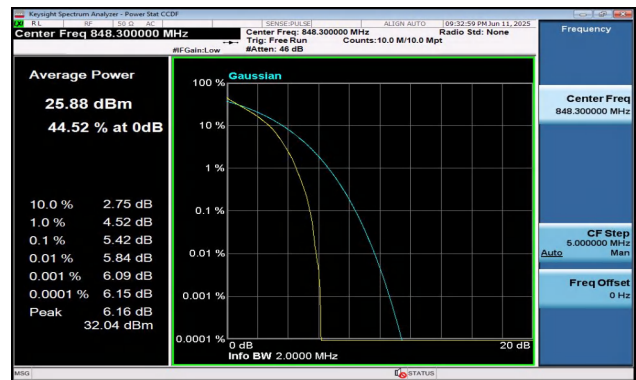
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Band5-1.4MHz-QPSK-20643-1RB#0-PASS



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



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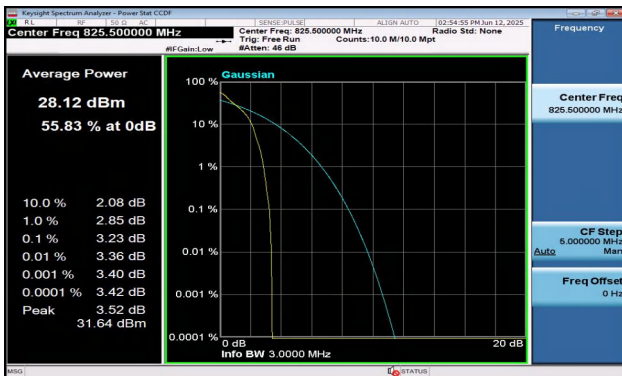
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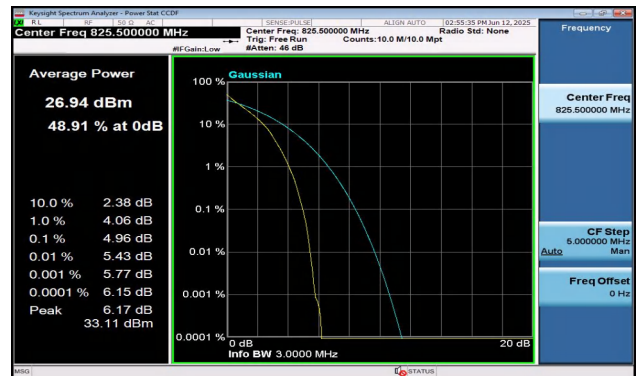
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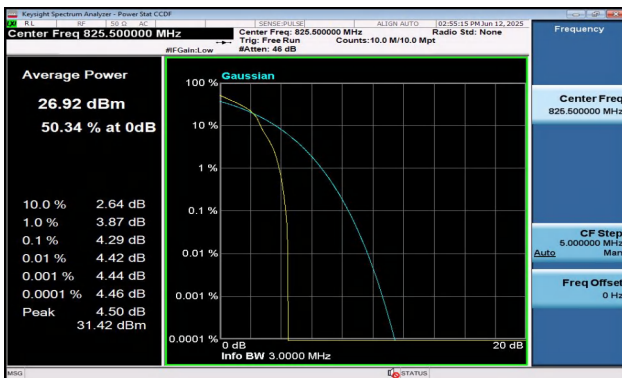
No.:GRCTR250502026-03



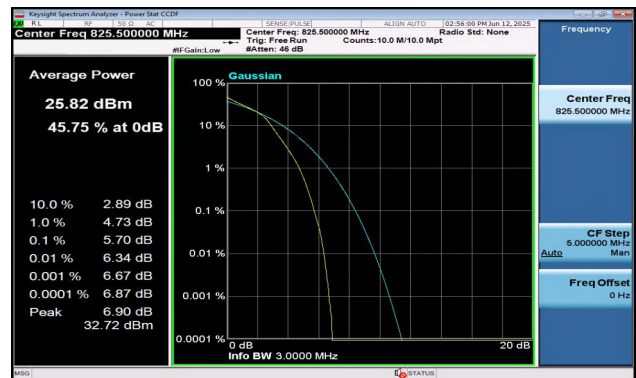
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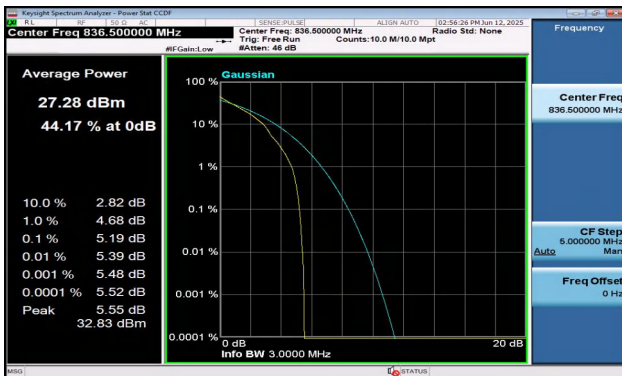
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Band5-3MHz-16QAM-20415-1RB#0-PASS



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



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



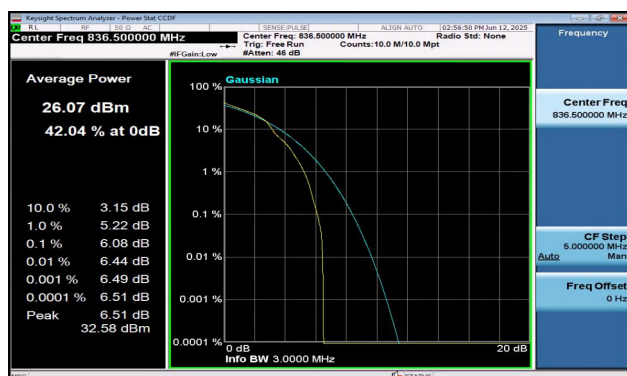
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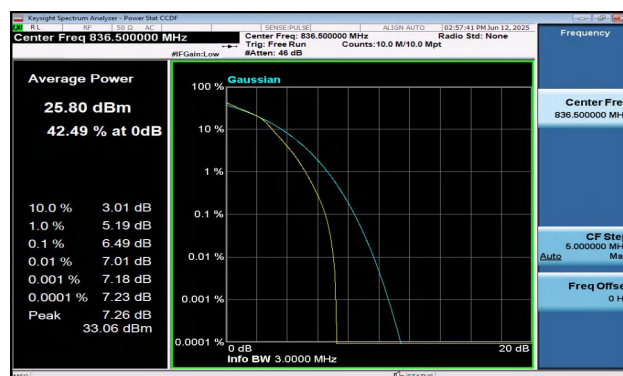
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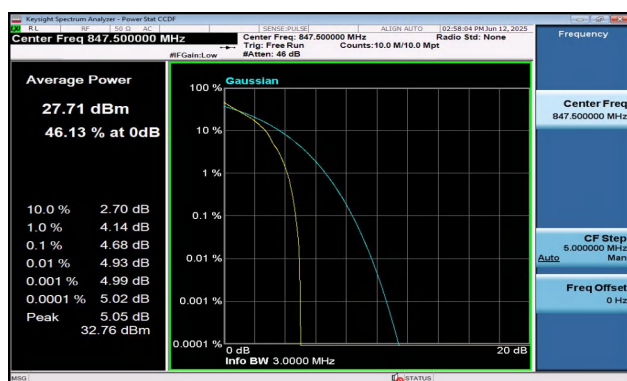
No.:GRCTR250502026-03



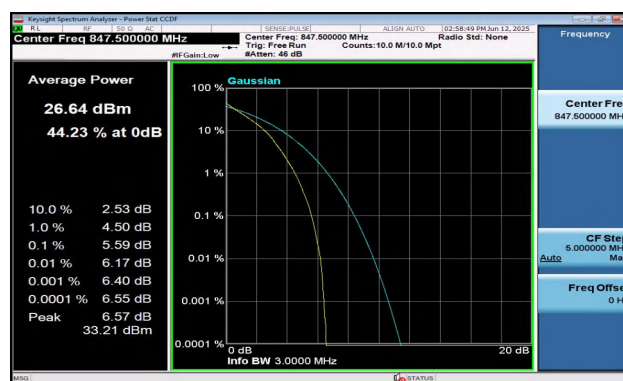
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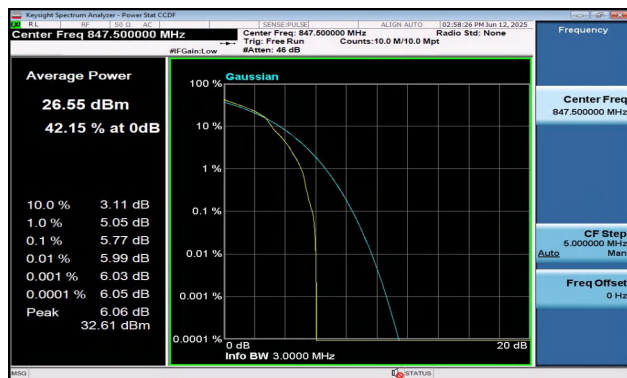
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Band5-3MHz-QPSK-20635-1RB#0-PASS



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



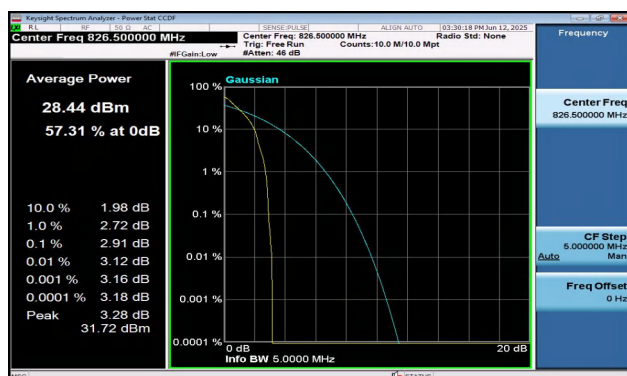
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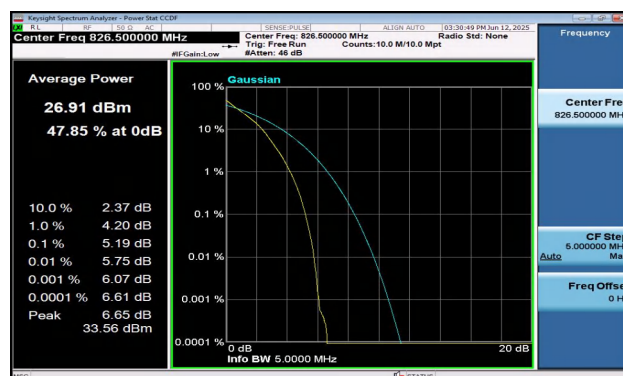
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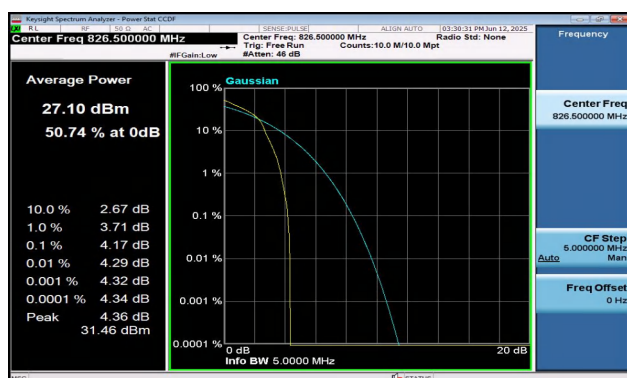
No.:GRCTR250502026-03



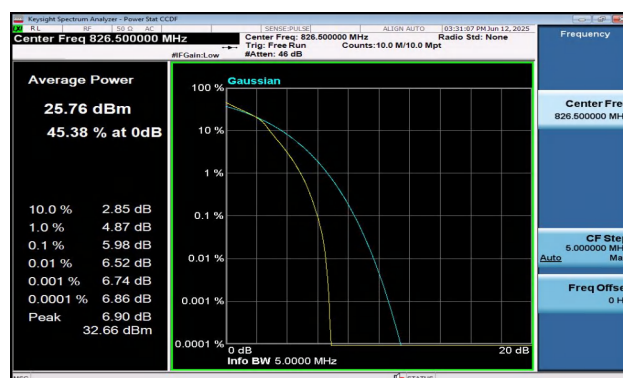
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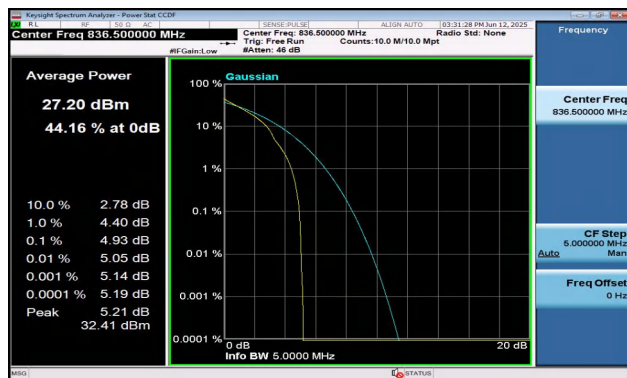
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Band5-5MHz-16QAM-20425-1RB#0-PASS



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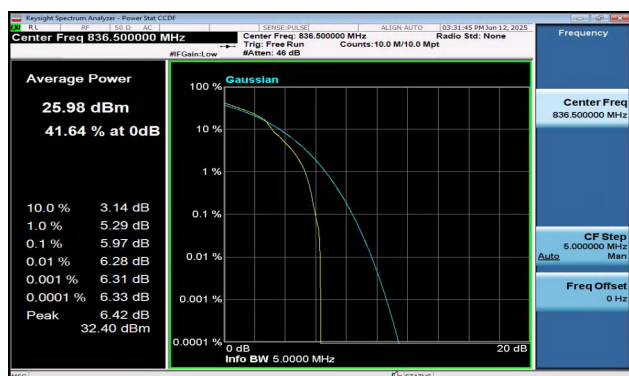
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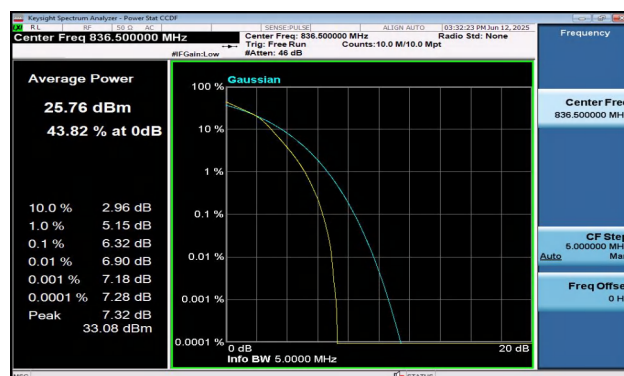
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101#, Building K & Building T, The Second Industrial Zone, Jiazitang Community,
Fenghuang Street, Guangming District, Shenzhen, China

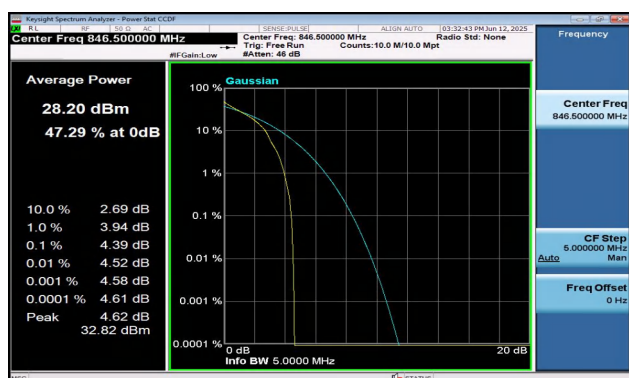
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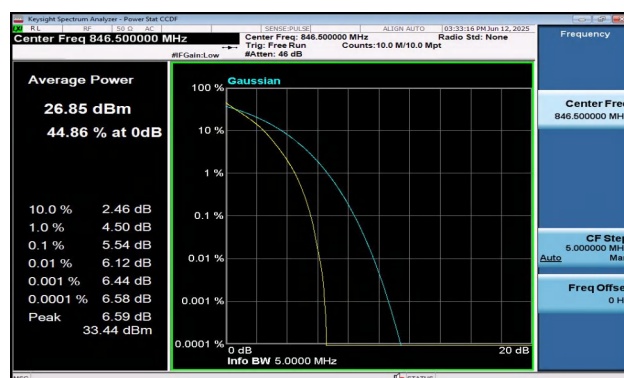
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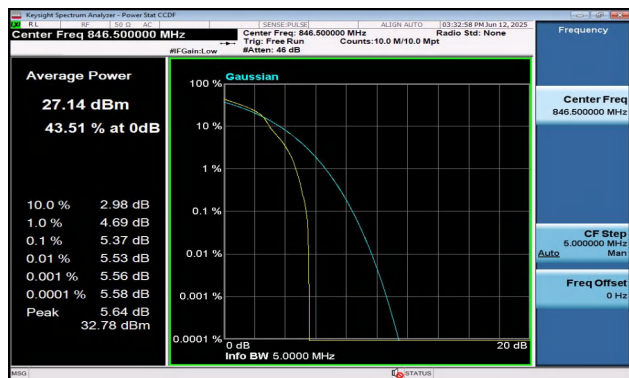
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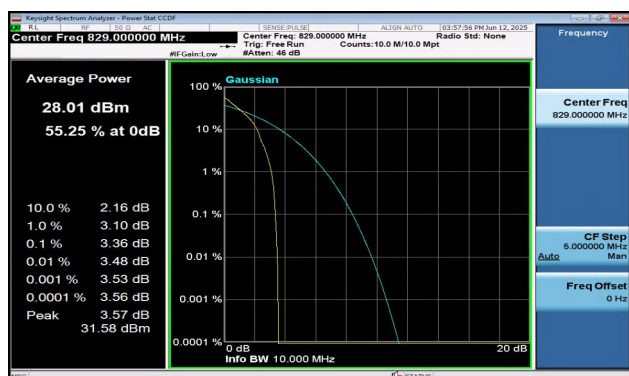
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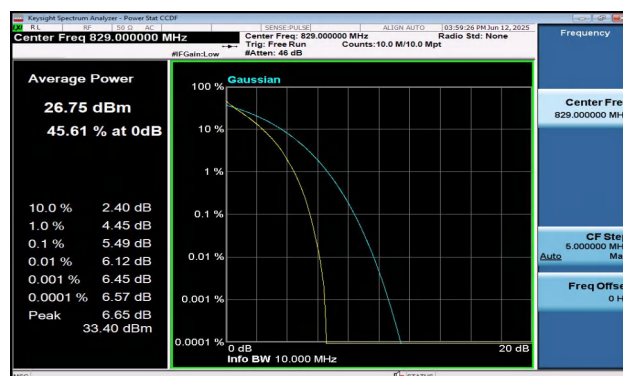
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Fenghuang Street, Guangming District, Shenzhen, China

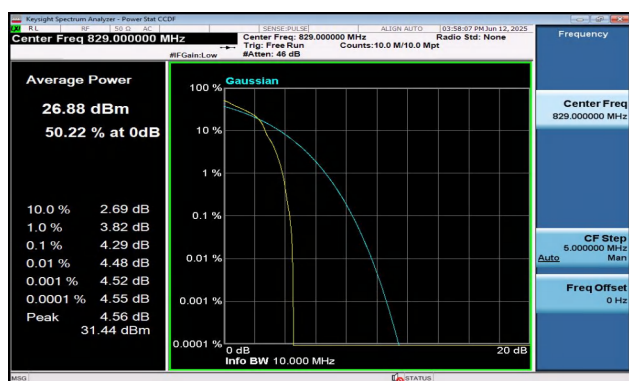
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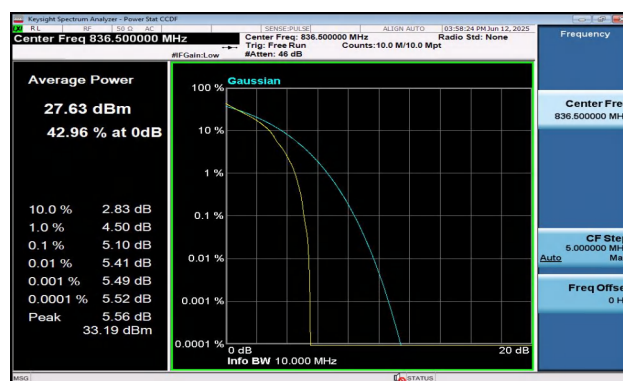
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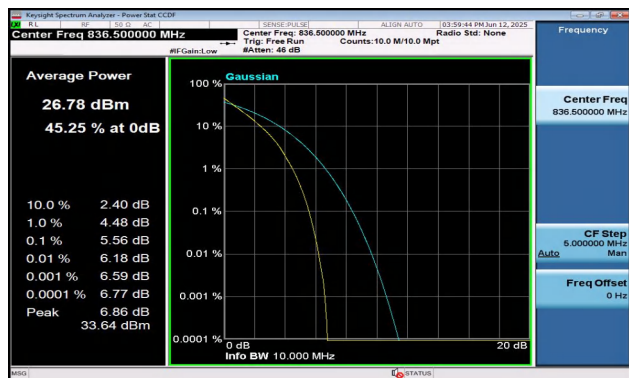
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Band5-10MHz-QPSK-20525-50RB#0-PASS



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