



Appendix F: Test Data for E-UTRA Band G

Product Name: 4G Smart Phone

Test Model: L66F

Environmental Conditions

Temperature:	23.6°C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





F.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.98	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.57	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.01	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.52	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.02	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.58	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.19	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.43	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.18	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.42	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.22	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.47	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.61	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.25	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.16	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.31	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.14	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.39	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.30	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.18	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.39	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.16	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.28	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.16	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.24	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.83	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.40	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.23	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.06	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.26	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.19	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.84	PASS



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Band5	1.4MHz	QPSK	20643	3RB#1	24.10	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.88	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.13	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.89	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.14	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.61	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.96	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.16	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.99	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.26	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.96	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.84	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.54	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.67	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.56	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.67	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.09	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.23	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.49	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.51	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.40	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.69	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.34	PASS
Band5	3MHz	16QAM	20525	1RB#8	22.67	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.35	PASS
Band5	3MHz	16QAM	20525	1RB#14	22.76	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.18	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.78	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.19	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.78	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.32	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.77	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.35	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.52	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.24	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.53	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.14	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.38	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.03	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.29	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.30	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.23	PASS





Band5	3MHz	QPSK	20635	8RB#4	23.25	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.25	PASS
Band5	3MHz	QPSK	20635	8RB#7	22.98	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.56	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.34	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.20	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.09	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.06	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.17	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.59	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.22	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.68	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.50	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.56	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.44	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.57	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.09	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.19	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.96	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.18	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.29	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.21	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.29	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.27	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.24	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.26	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.32	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.80	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.31	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.81	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.33	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.82	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.33	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.77	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.24	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.79	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.19	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.97	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.87	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.71	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.15	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.47	PASS



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Band5	5MHz	QPSK	20625	12RB#6	23.21	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.48	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.20	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.10	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.34	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.33	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.05	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.24	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.24	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.06	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.17	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.92	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.02	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.06	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.05	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.07	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.10	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.22	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.19	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.13	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.18	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.05	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.19	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.04	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.21	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.16	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.29	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.76	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.11	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.77	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.05	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.79	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.30	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.71	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.15	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.64	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.09	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.57	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.95	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.50	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.25	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.67	PASS



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Band5	10MHz	QPSK	20600	25RB#12	23.29	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.69	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.32	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.28	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.08	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.27	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.98	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.64	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.66	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.44	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.50	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.13	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.81	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.94	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.18	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.92	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.51	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.00	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.77	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.53	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.36	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.25	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.51	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.17	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.87	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.50	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.28	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.82	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.67	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.01	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.91	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.08	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.72	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.24	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.07	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.36	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.96	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.31	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.41	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.18	13	PASS



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Band5	5MHz	16QAM	20625	25RB#0	5.89	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.92	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.58	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.09	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.84	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.83	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.89	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.39	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.05	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.24	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.91	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.19	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.95	13	PASS





Test Graphs



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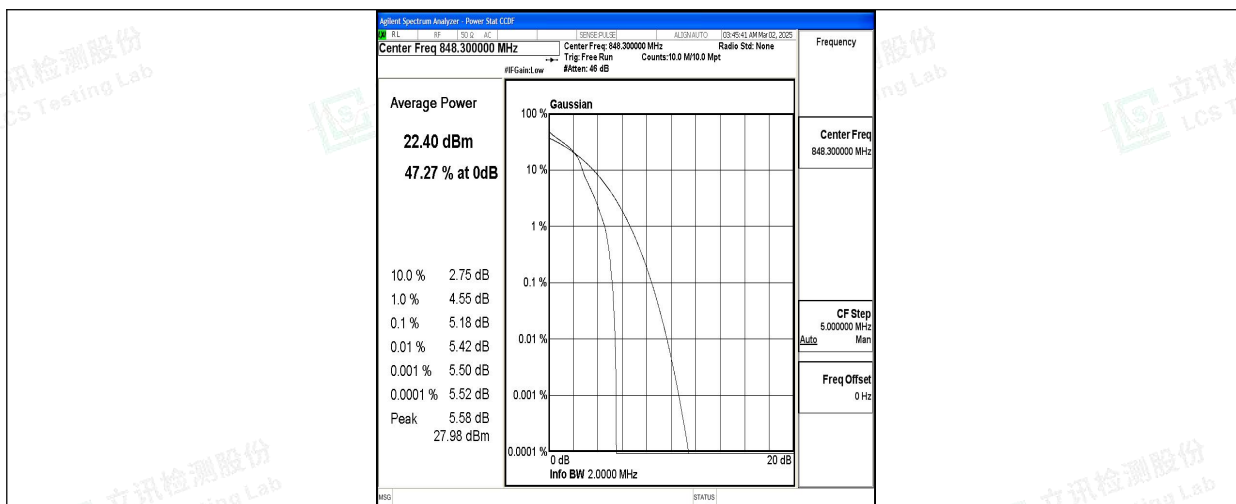


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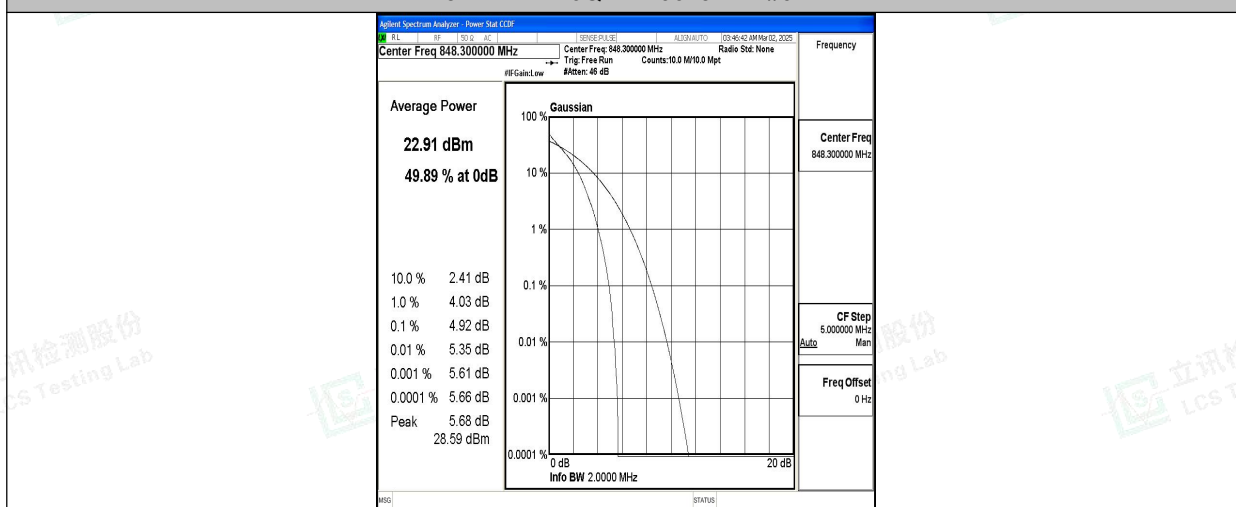
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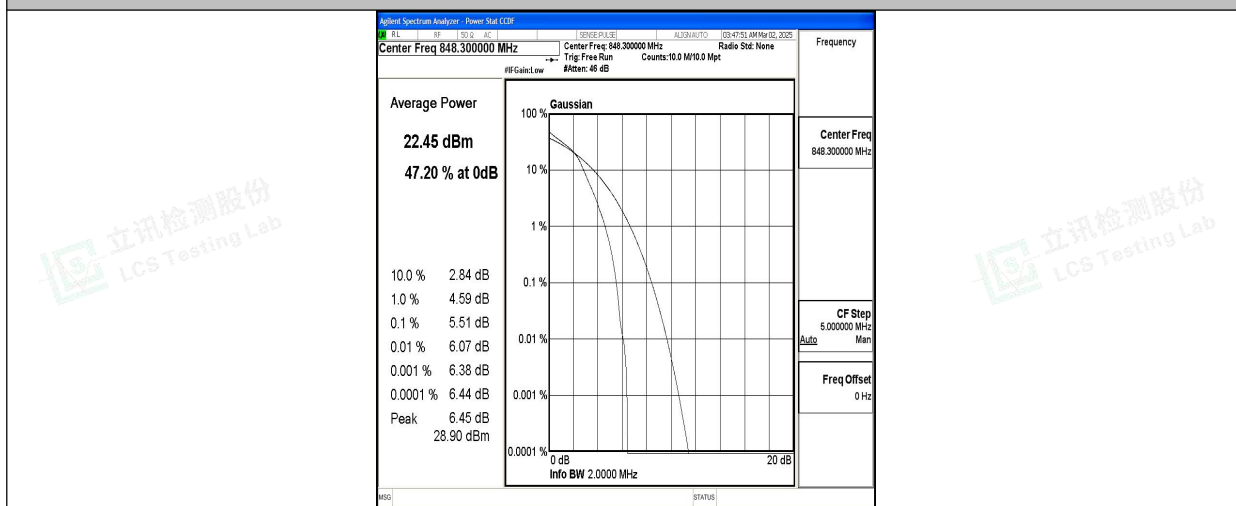
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Band5-1.4MHz-16QAM-20643-1RB#0-PASS



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



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



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Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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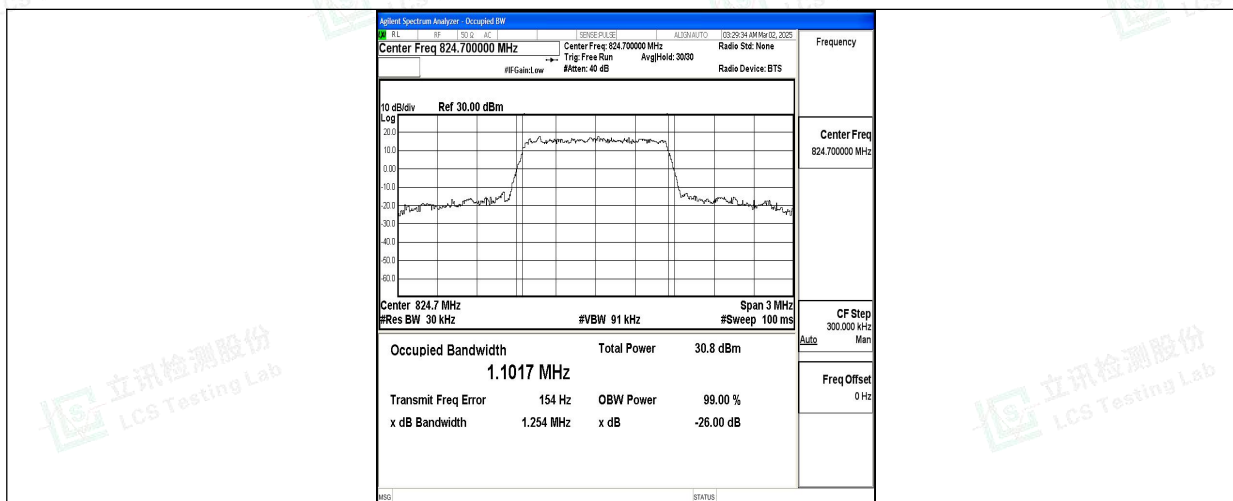
F.3 26dB Bandwidth and Occupied Bandwidth

Test Result

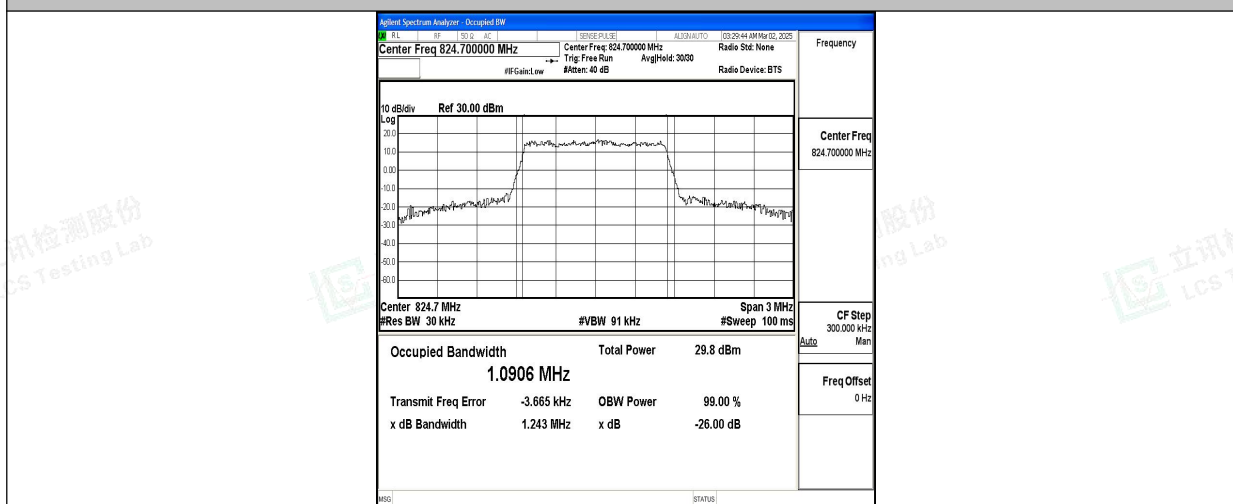
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.1017	1.254	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0906	1.243	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1020	1.250	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0915	1.242	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1024	1.255	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0919	1.243	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7543	3.108	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7404	3.104	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7502	3.103	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7493	3.108	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7484	3.100	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7538	3.092	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5072	5.003	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5042	4.971	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5004	4.991	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5151	5.002	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5091	4.970	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5386	5.014	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0008	9.948	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0123	9.960	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0055	9.932	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.0252	9.937	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9822	9.845	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9908	9.852	PASS



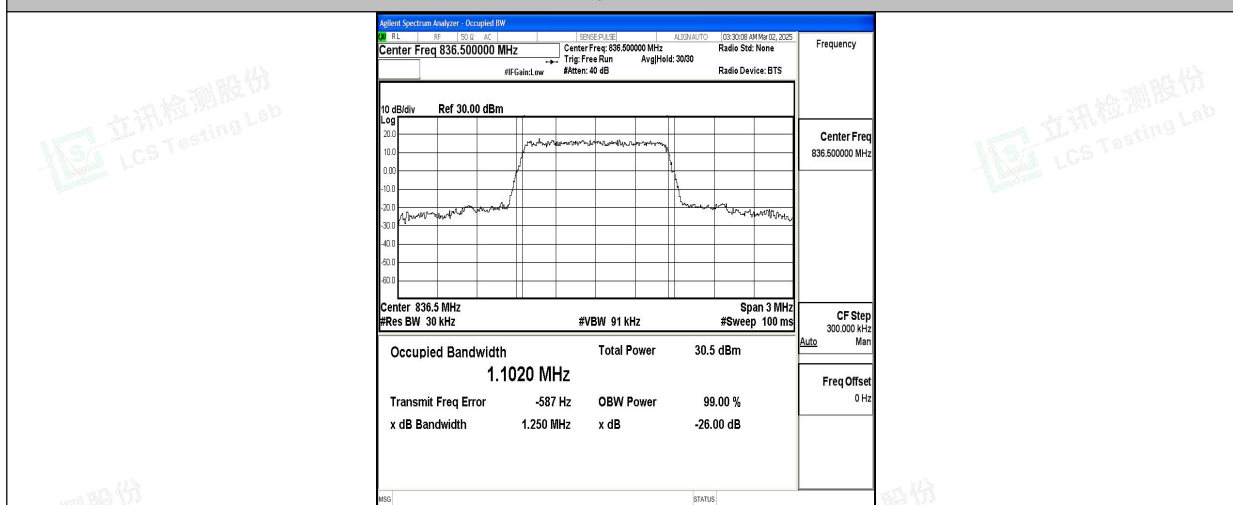
Test Graphs



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



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



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



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Shenzhen EEC Compliance Testing Laboratory Ltd.
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518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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