



Appendix K: Test Data for E-UTRA Band 38

Product Name: Volla Phone Quintus

Test Model: Quintus

Environmental Conditions

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





K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.09	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.23	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.25	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.12	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.12	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.14	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.10	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.10	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.09	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.09	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.08	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.08	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.08	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.24	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.97	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.55	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.74	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.53	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.56	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	20.78	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.78	PASS
Band38	5MHz	QPSK	38000	12RB#6	20.78	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.77	PASS
Band38	5MHz	QPSK	38000	12RB#13	20.77	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.77	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.77	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.05	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.16	PASS
Band38	5MHz	16QAM	38225	1RB#0	20.80	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.37	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.02	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.58	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.19	PASS
Band38	5MHz	QPSK	38225	12RB#0	20.52	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.52	PASS





Band38	5MHz	QPSK	38225	12RB#6	20.51	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.51	PASS
Band38	5MHz	QPSK	38225	12RB#13	20.56	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.56	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.56	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.68	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.40	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.89	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.60	PASS
Band38	10MHz	16QAM	37800	1RB#24	23.08	PASS
Band38	10MHz	QPSK	37800	1RB#49	23.75	PASS
Band38	10MHz	16QAM	37800	1RB#49	23.21	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.38	PASS
Band38	10MHz	16QAM	37800	25RB#0	22.38	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.38	PASS
Band38	10MHz	16QAM	37800	25RB#12	22.38	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.61	PASS
Band38	10MHz	16QAM	37800	25RB#25	22.61	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.58	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.71	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.31	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.61	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.93	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.28	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.64	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.04	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.21	PASS
Band38	10MHz	16QAM	38000	25RB#0	22.22	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.22	PASS
Band38	10MHz	16QAM	38000	25RB#12	22.22	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.92	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.95	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.16	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.26	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.48	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.37	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.74	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.64	PASS
Band38	10MHz	QPSK	38200	1RB#49	23.12	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.90	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.82	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.81	PASS





Band38	10MHz	QPSK	38200	25RB#12	21.73	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.80	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.02	PASS
Band38	10MHz	16QAM	38200	25RB#25	22.02	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.81	PASS
Band38	10MHz	16QAM	38200	50RB#0	21.20	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.43	PASS
Band38	15MHz	16QAM	37825	1RB#0	23.17	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.70	PASS
Band38	15MHz	16QAM	37825	1RB#38	23.31	PASS
Band38	15MHz	QPSK	37825	1RB#74	23.76	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.45	PASS
Band38	15MHz	QPSK	37825	38RB#0	22.59	PASS
Band38	15MHz	16QAM	37825	38RB#0	22.59	PASS
Band38	15MHz	QPSK	37825	38RB#18	22.59	PASS
Band38	15MHz	16QAM	37825	38RB#18	22.59	PASS
Band38	15MHz	QPSK	37825	38RB#37	22.59	PASS
Band38	15MHz	16QAM	37825	38RB#37	22.59	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.59	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.90	PASS
Band38	15MHz	QPSK	38000	1RB#0	23.77	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.25	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.31	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.73	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.80	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.97	PASS
Band38	15MHz	QPSK	38000	38RB#0	22.12	PASS
Band38	15MHz	16QAM	38000	38RB#0	22.12	PASS
Band38	15MHz	QPSK	38000	38RB#18	22.12	PASS
Band38	15MHz	16QAM	38000	38RB#18	22.12	PASS
Band38	15MHz	QPSK	38000	38RB#37	22.12	PASS
Band38	15MHz	16QAM	38000	38RB#37	22.12	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.12	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.44	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.46	PASS
Band38	15MHz	16QAM	38175	1RB#0	22.34	PASS
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Band38	15MHz	16QAM	38175	38RB#0	21.75	PASS





Band38	15MHz	QPSK	38175	38RB#18	21.75	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.75	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.75	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.75	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.75	PASS
Band38	15MHz	16QAM	38175	75RB#0	21.01	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.06	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.41	PASS
Band38	20MHz	QPSK	37850	1RB#49	23.40	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.75	PASS
Band38	20MHz	QPSK	37850	1RB#99	23.29	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.65	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.60	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.98	PASS
Band38	20MHz	QPSK	37850	50RB#25	22.60	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.98	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.66	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.97	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.62	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.90	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.69	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.83	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.03	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.34	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.64	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.77	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.44	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.62	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.46	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.63	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.77	PASS
Band38	20MHz	16QAM	38000	50RB#50	21.09	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.14	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.44	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.63	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.69	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.52	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.50	PASS
Band38	20MHz	QPSK	38150	1RB#99	23.12	PASS
Band38	20MHz	16QAM	38150	1RB#99	22.04	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.53	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.72	PASS





Band38	20MHz	QPSK	38150	50RB#25	21.53	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.72	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.92	PASS
Band38	20MHz	16QAM	38150	50RB#50	21.06	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.69	PASS
Band38	20MHz	16QAM	38150	100RB#0	21.02	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	5.63	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.32	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.68	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.14	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.49	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.10	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.45	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.02	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.58	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	6.24	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.24	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	5.91	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.28	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.02	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.29	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.19	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.18	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	5.93	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.37	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	5.98	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.33	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	6.13	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.29	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	6.10	13	PASS





Test Graphs

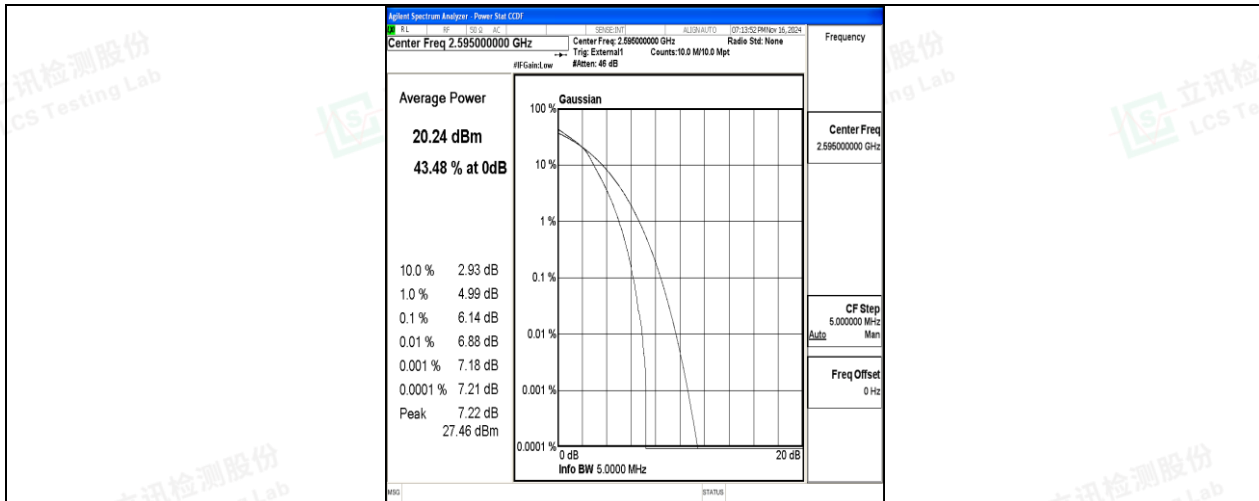


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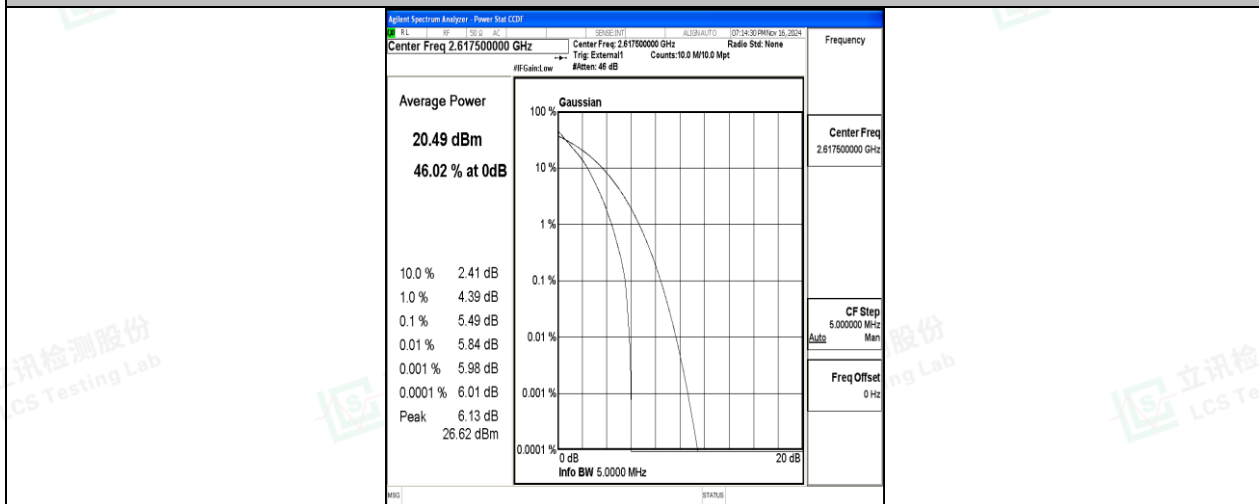
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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

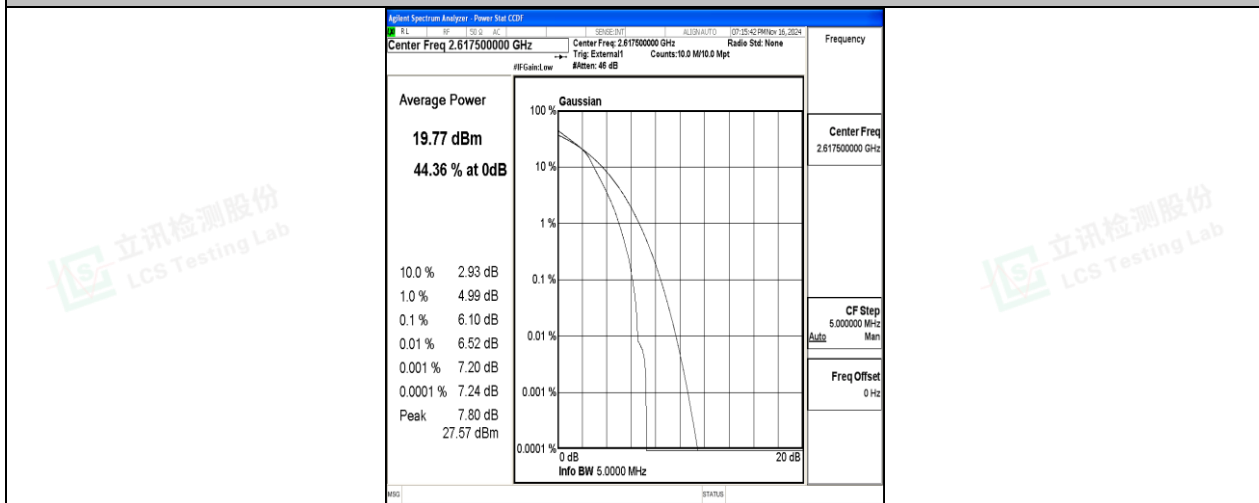
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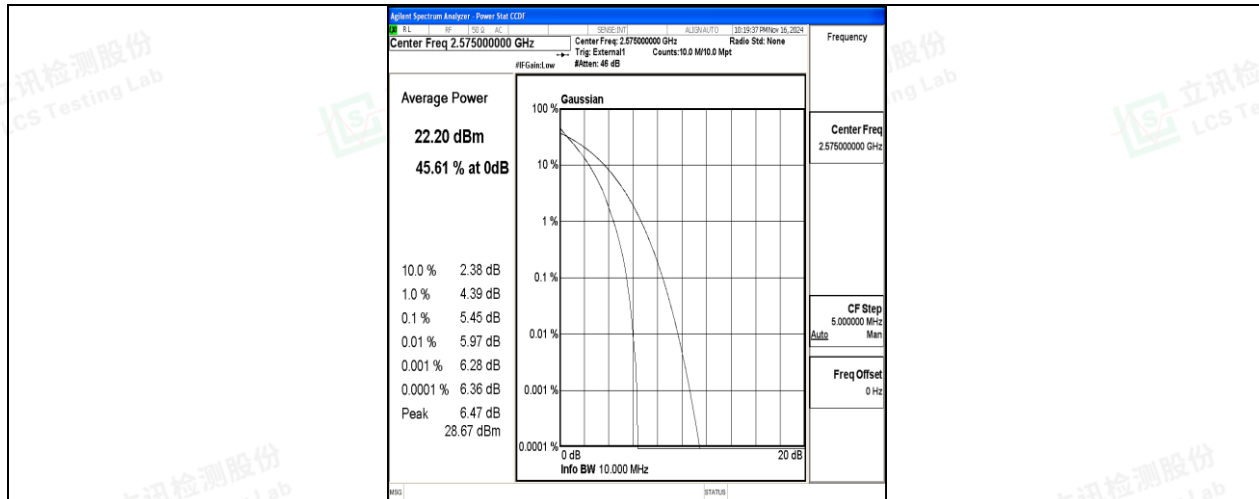


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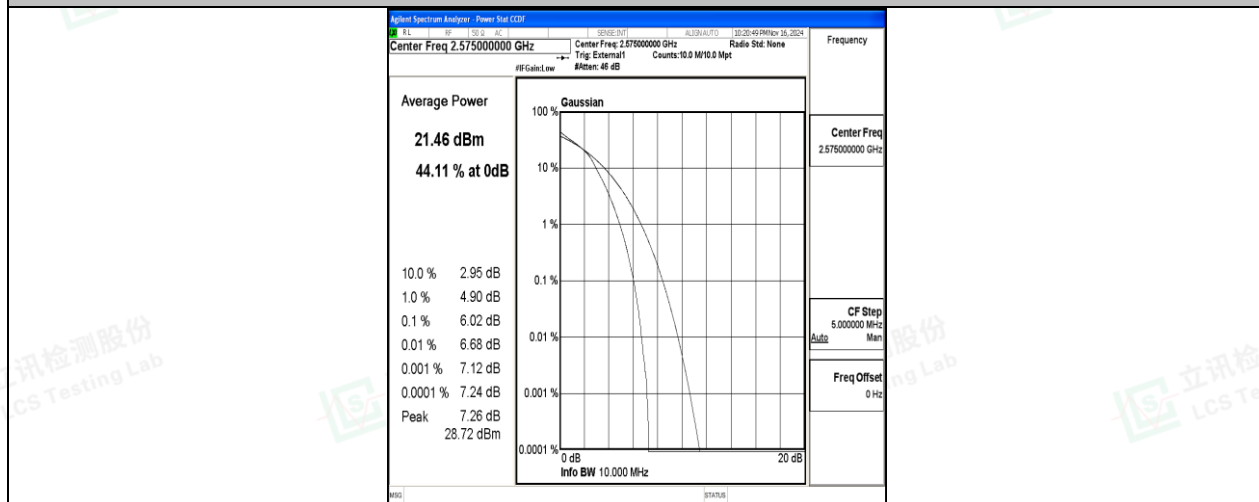


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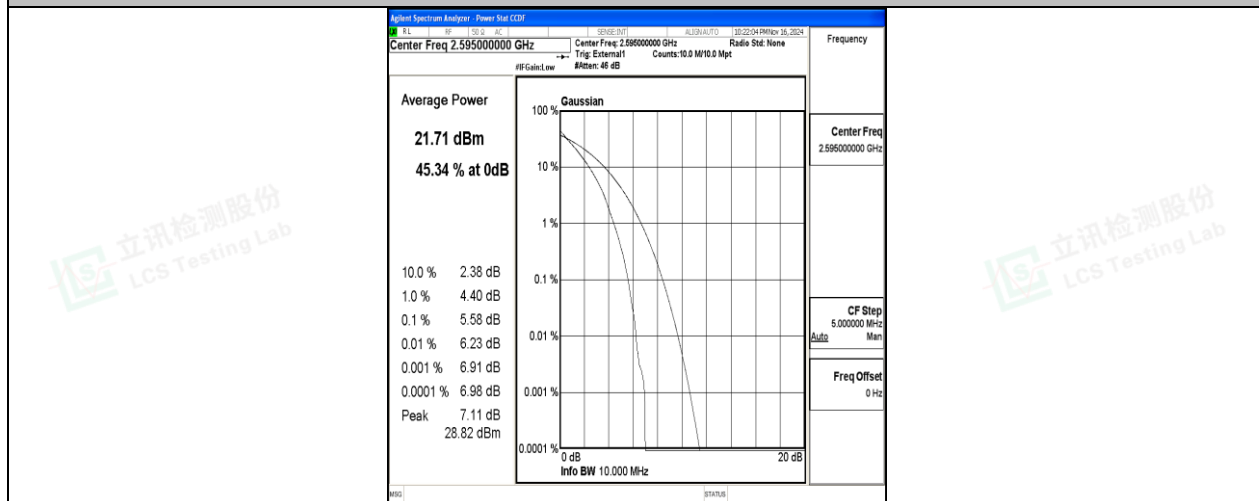




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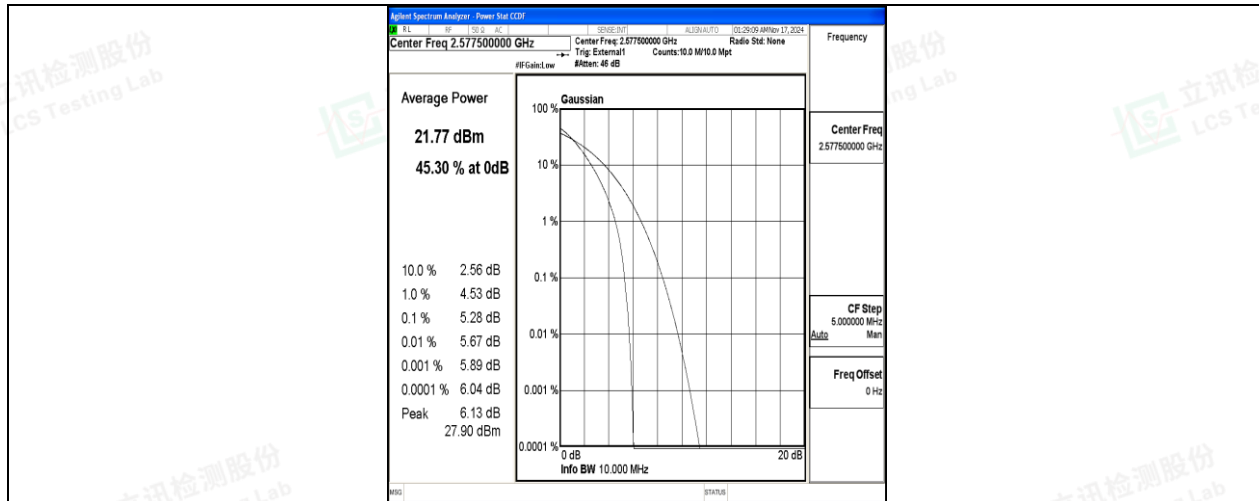
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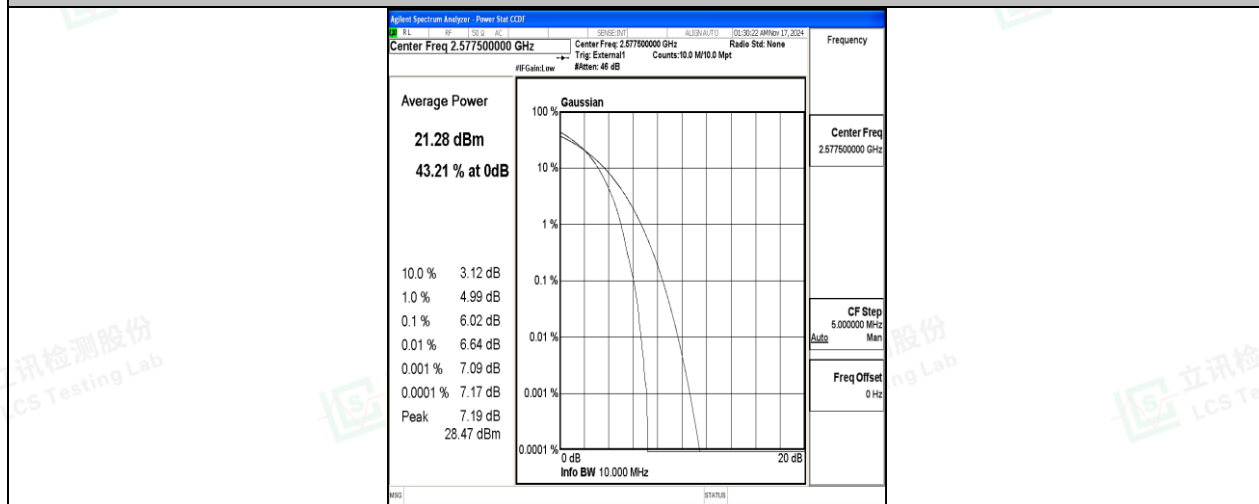
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

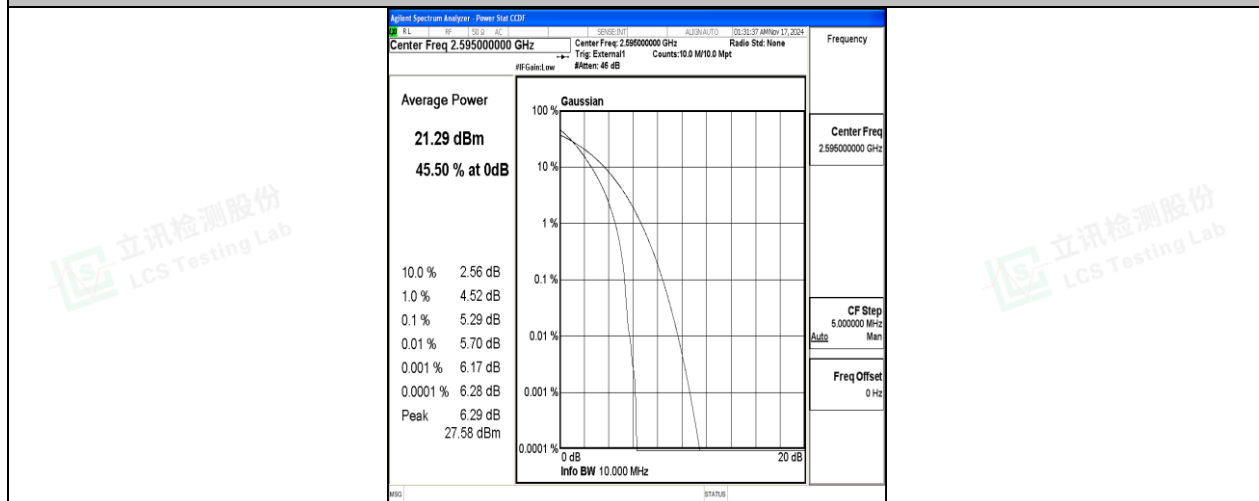




Band38-15MHz-QPSK-37825-75RB#0-PASS



Band38-15MHz-16QAM-37825-75RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



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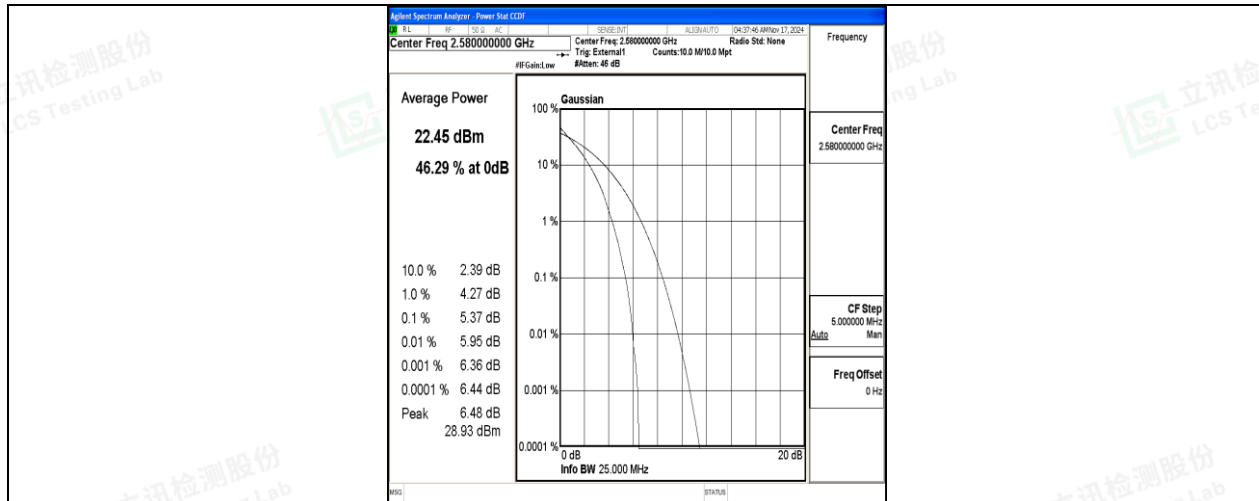


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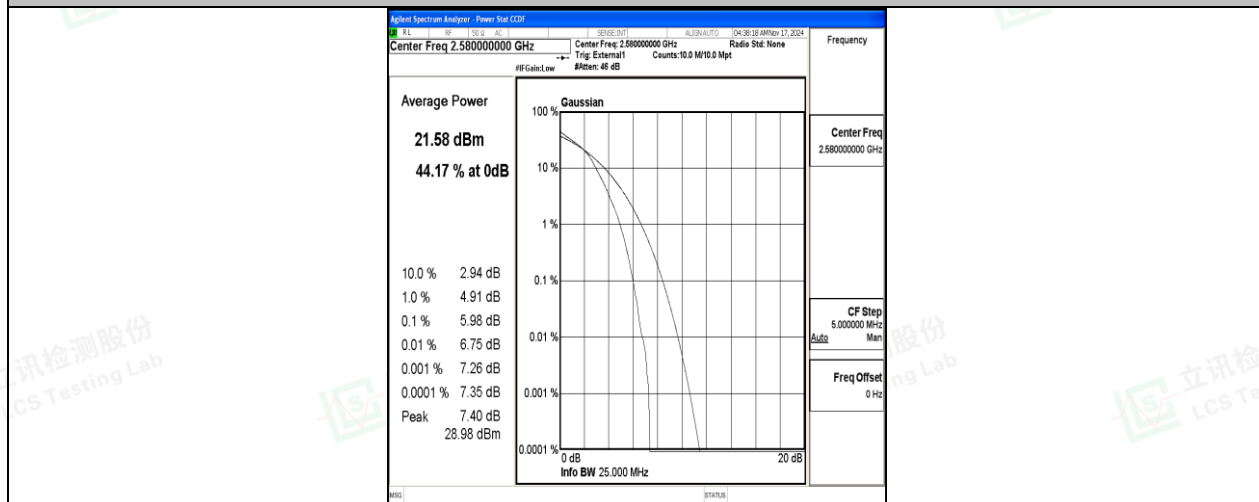
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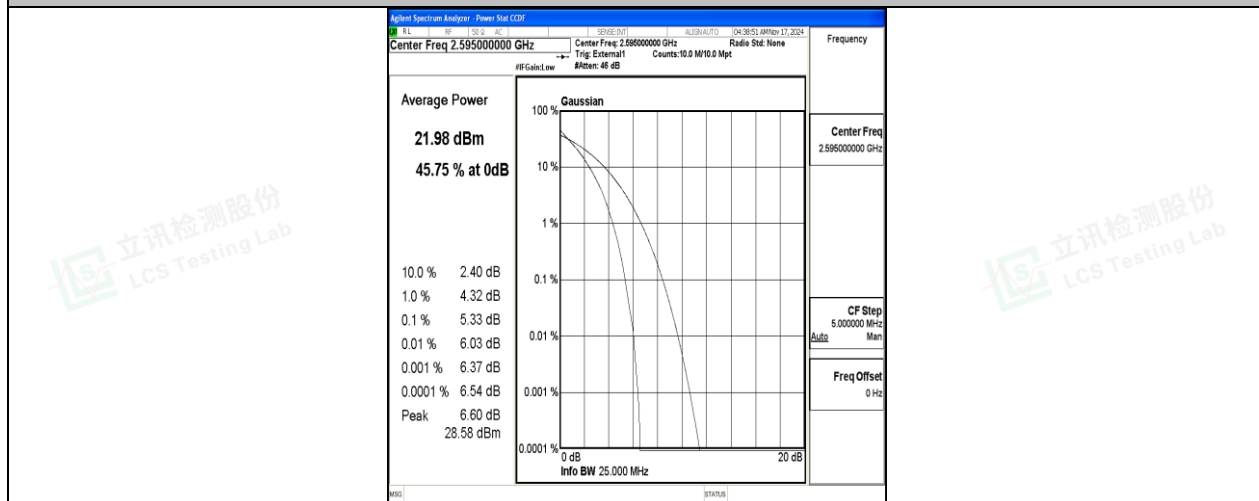
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Band38-20MHz-QPSK-37850-100RB#0-PASS



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS

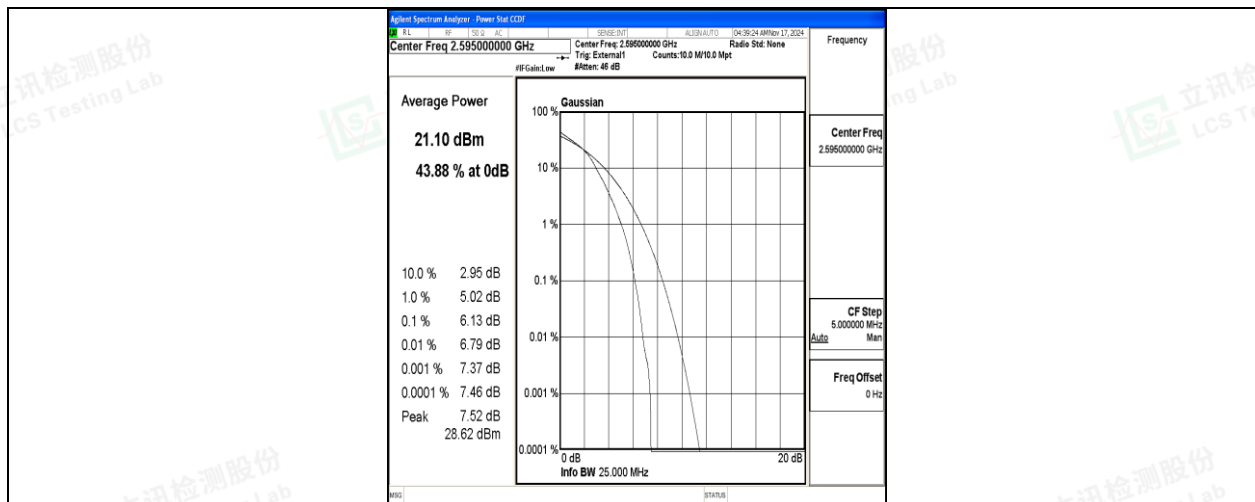


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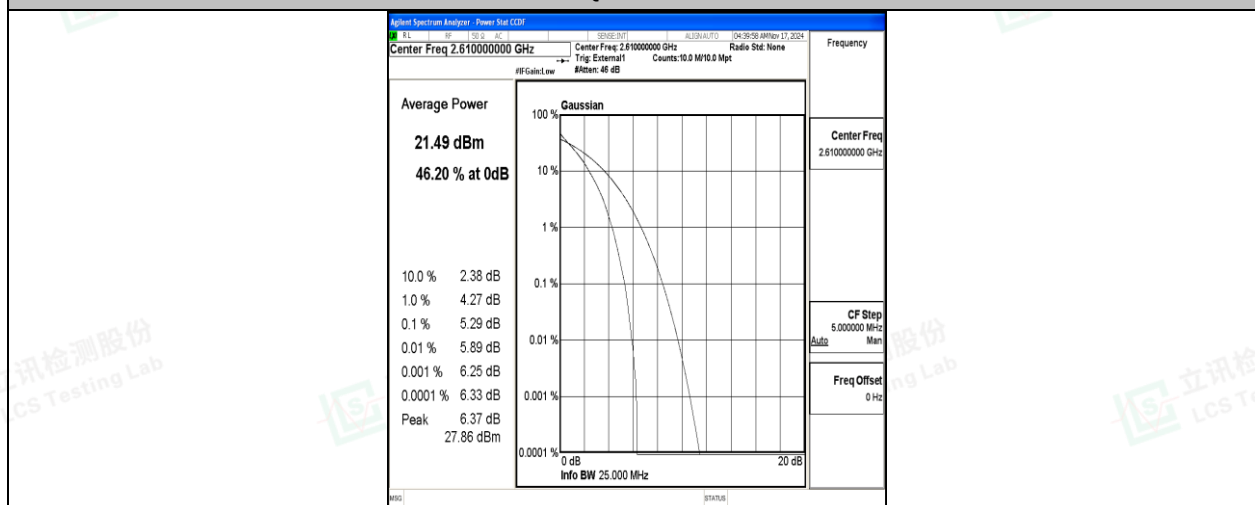
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

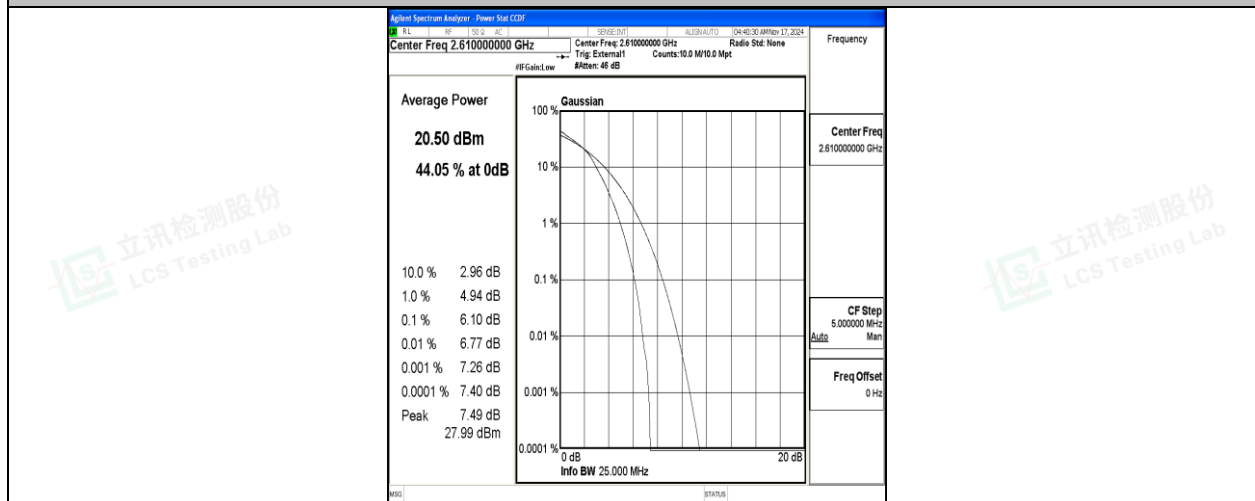
Scan code to check authenticity



Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS



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Scan code to check authenticity



K.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5071	5.197	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5040	5.260	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5201	5.233	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5197	5.399	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4957	5.151	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5002	5.254	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0275	10.26	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9996	10.31	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9964	10.55	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9620	9.924	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9870	10.09	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9935	10.03	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.509	14.85	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.462	15.19	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.455	16.20	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.519	16.38	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.460	15.64	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.536	15.51	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.031	20.65	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.956	20.04	PASS
Band38	20MHz	QPSK	38000	100RB#0	18.005	20.10	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.991	20.61	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.014	20.05	PASS
Band38	20MHz	16QAM	38150	100RB#0	18.037	21.12	PASS





Test Graphs

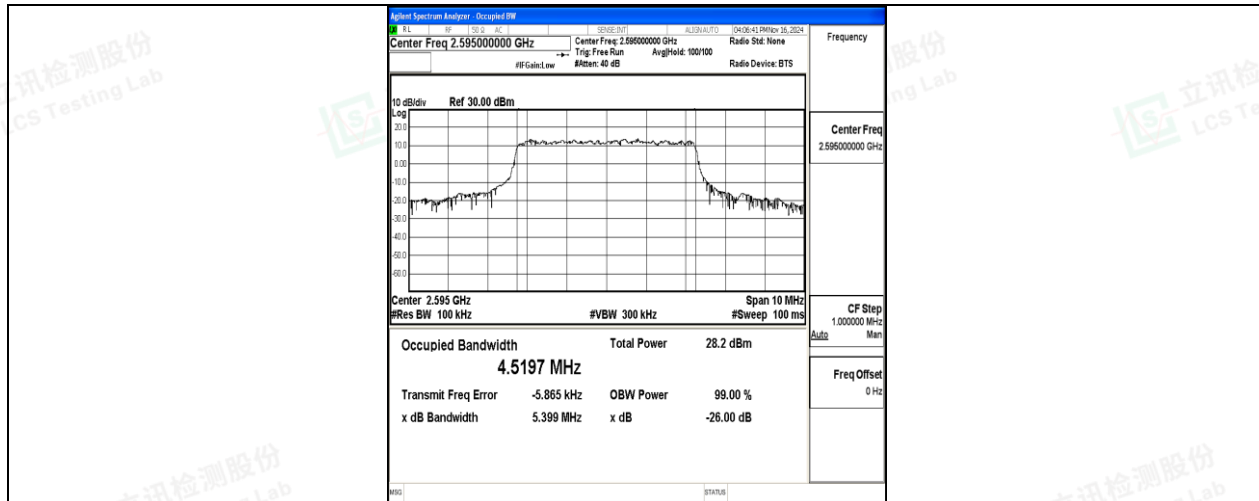


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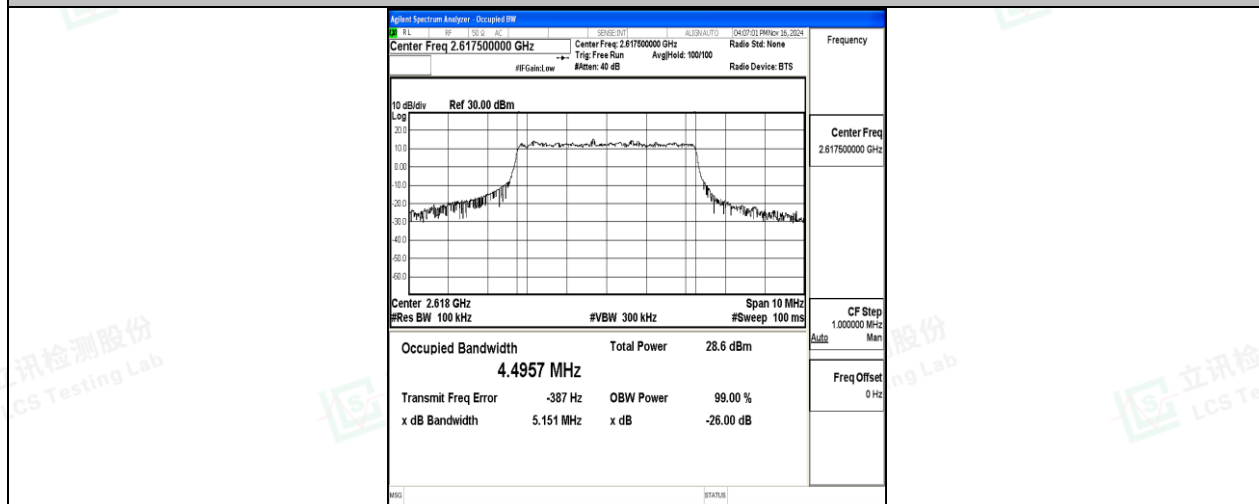
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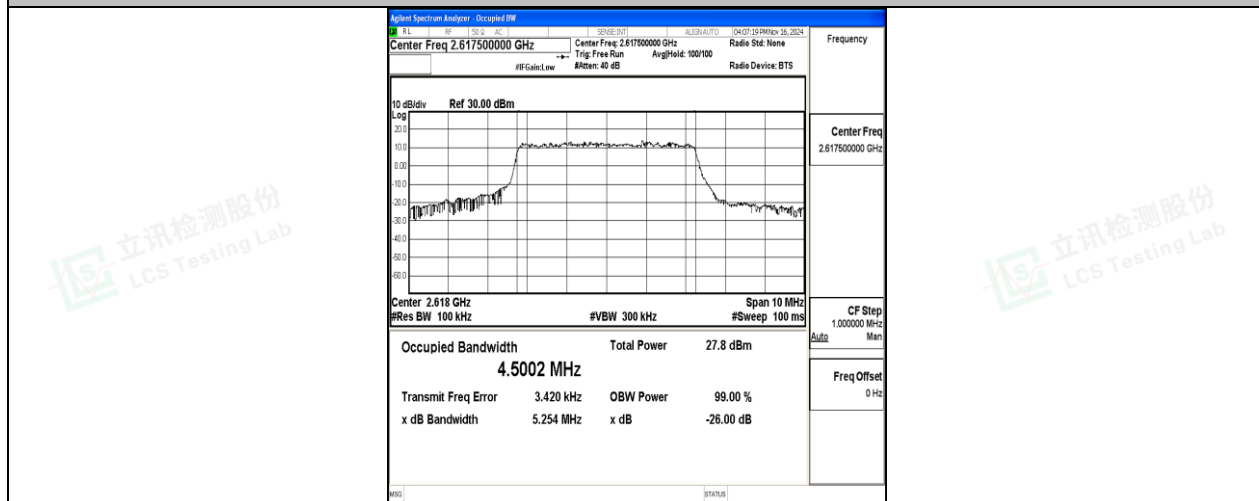
Scan code to check authenticity



Band38-5MHz-16QAM-38000-25RB#0-PASS



Band38-5MHz-QPSK-38225-25RB#0-PASS



Band38-5MHz-16QAM-38225-25RB#0-PASS

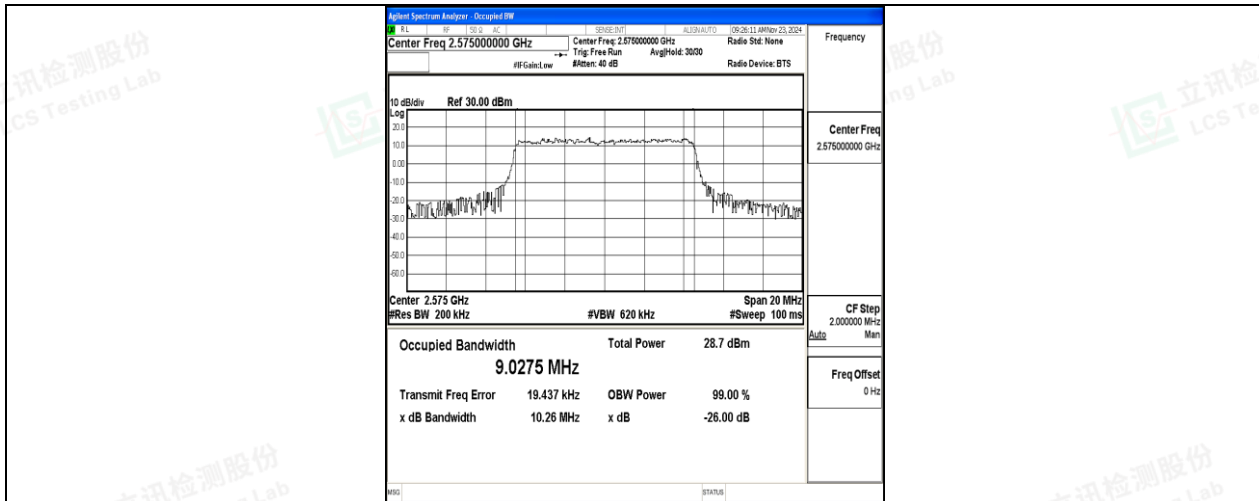


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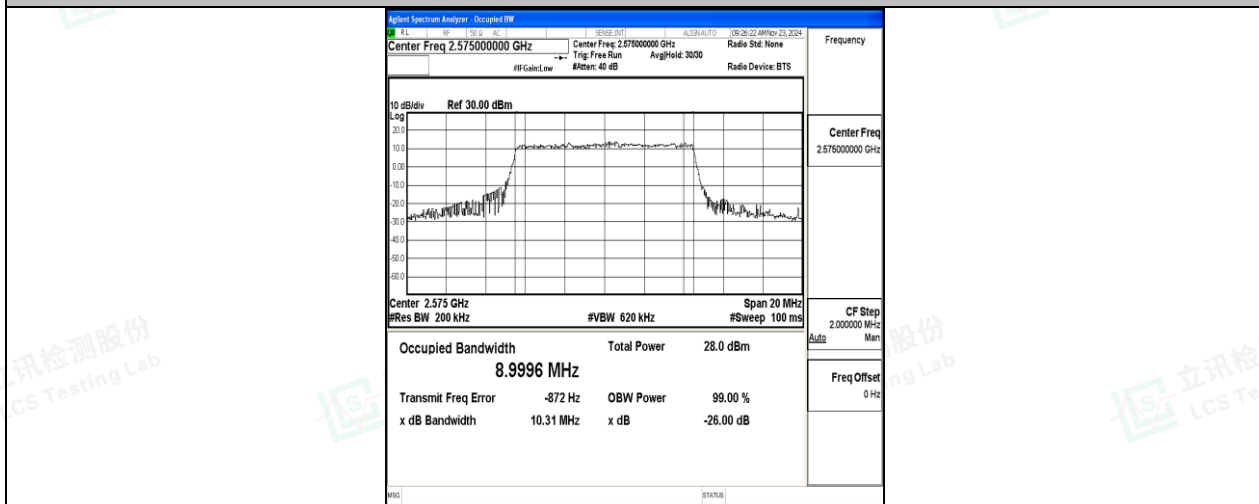
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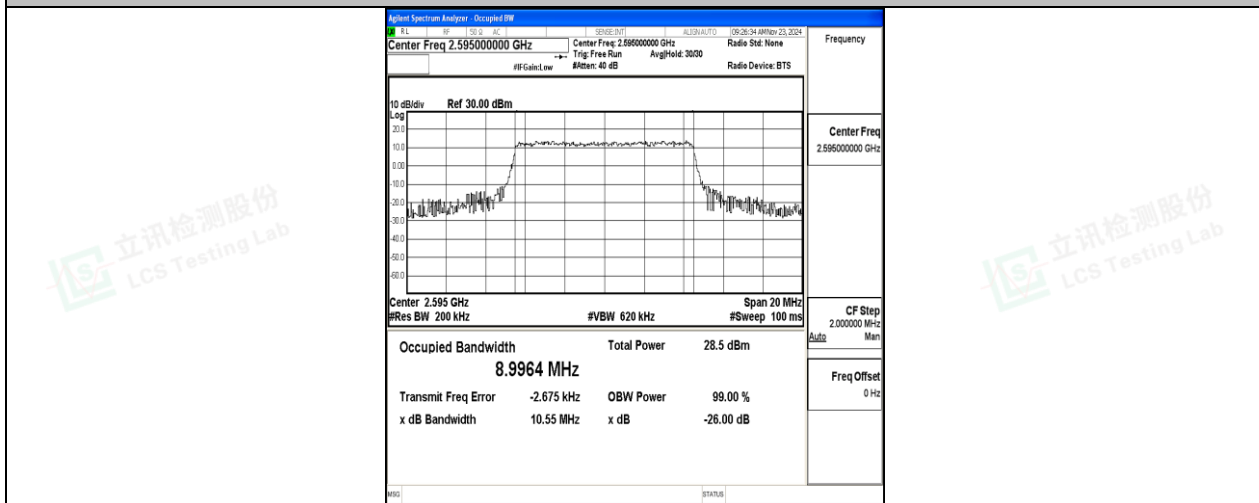
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Band38-10MHz-QPSK-37800-50RB#0-PASS



Band38-10MHz-16QAM-37800-50RB#0-PASS



Band38-10MHz-QPSK-38000-50RB#0-PASS



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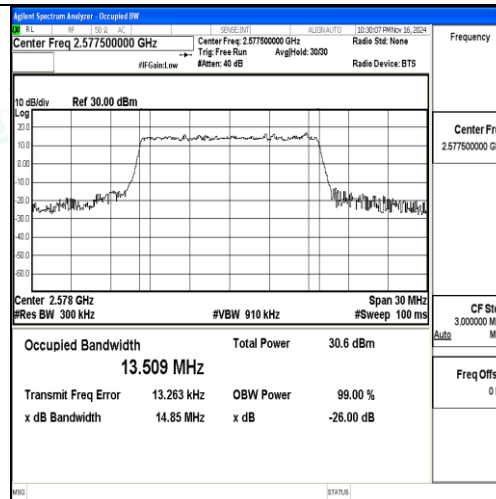


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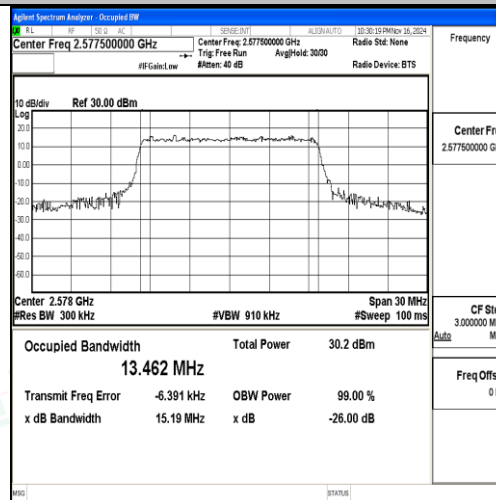
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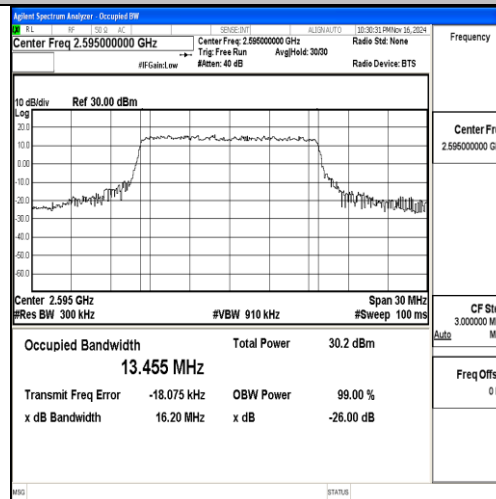
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Band38-15MHz-QPSK-37825-75RB#0-PASS



Band38-15MHz-16QAM-37825-75RB#0-PASS



Band38-15MHz-QPSK-38000-75RB#0-PASS



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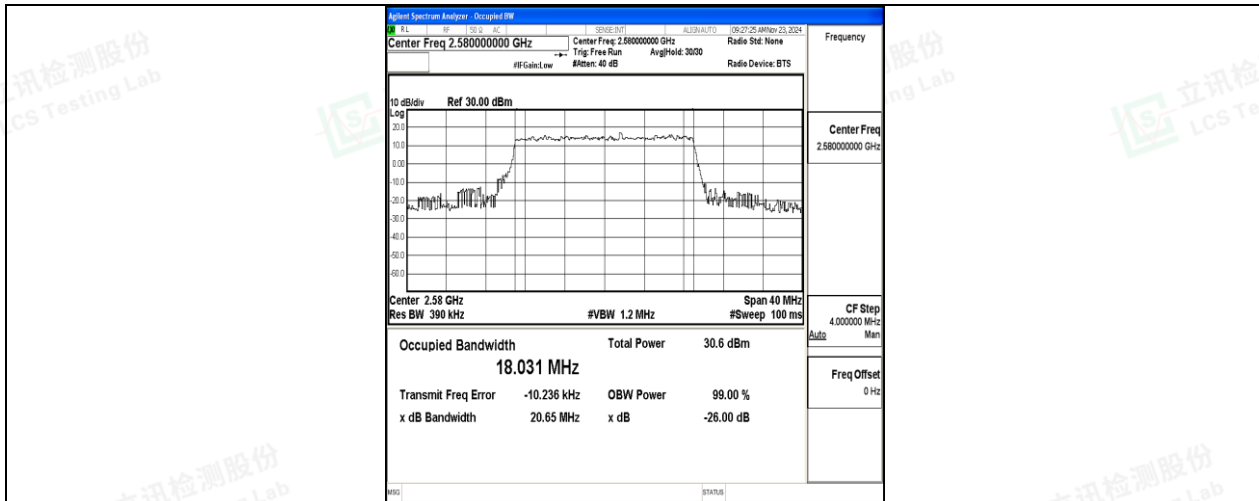


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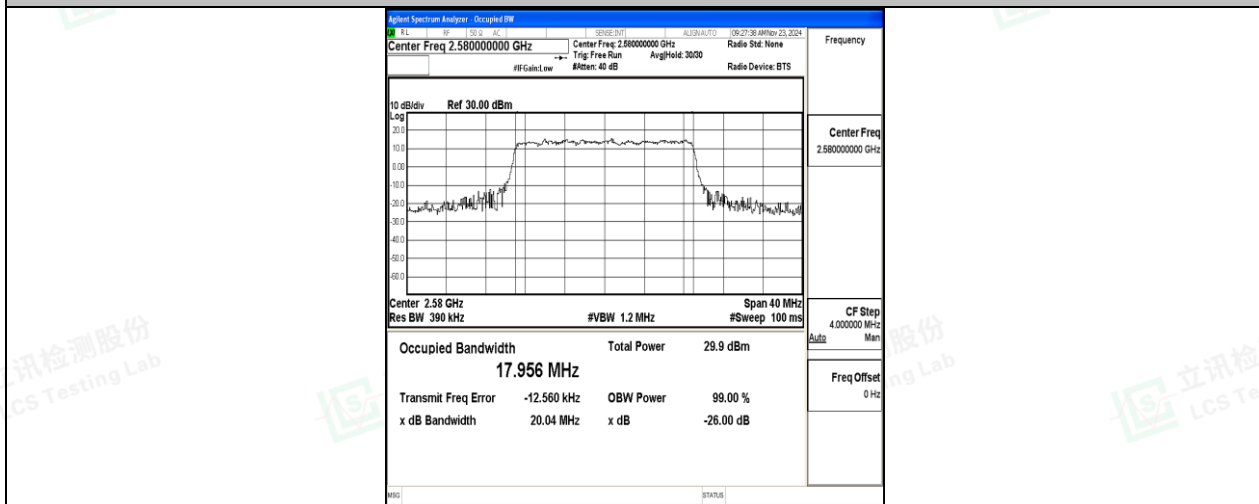
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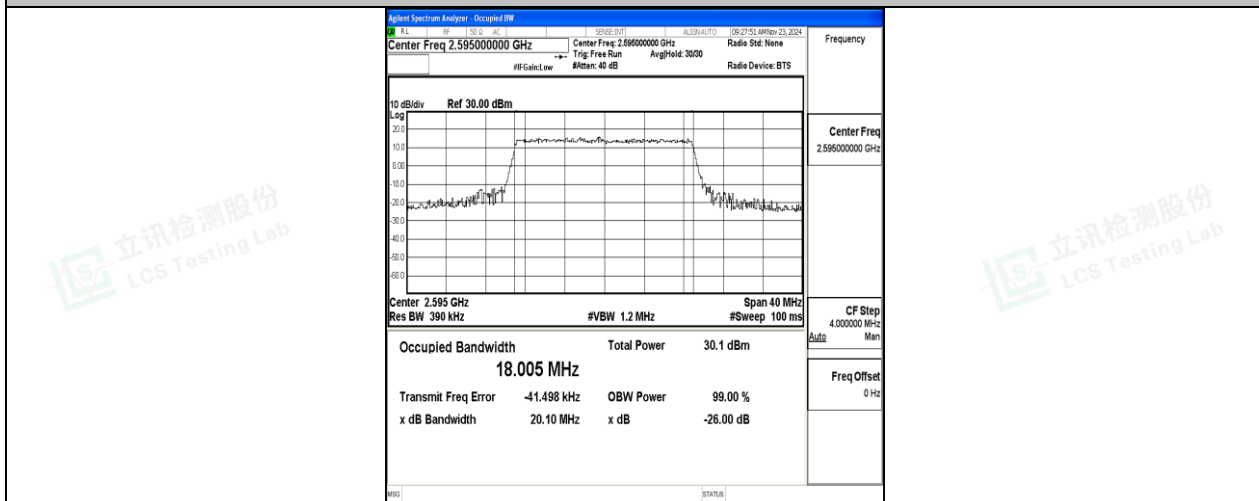
Scan code to check authenticity



Band38-20MHz-QPSK-37850-100RB#0-PASS



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38000-100RB#0-PASS

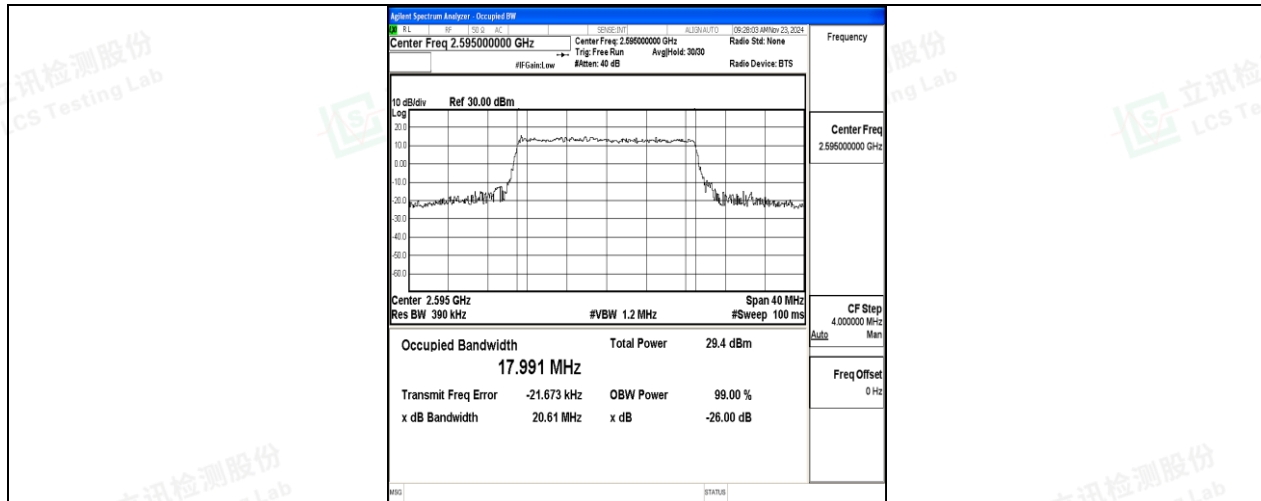


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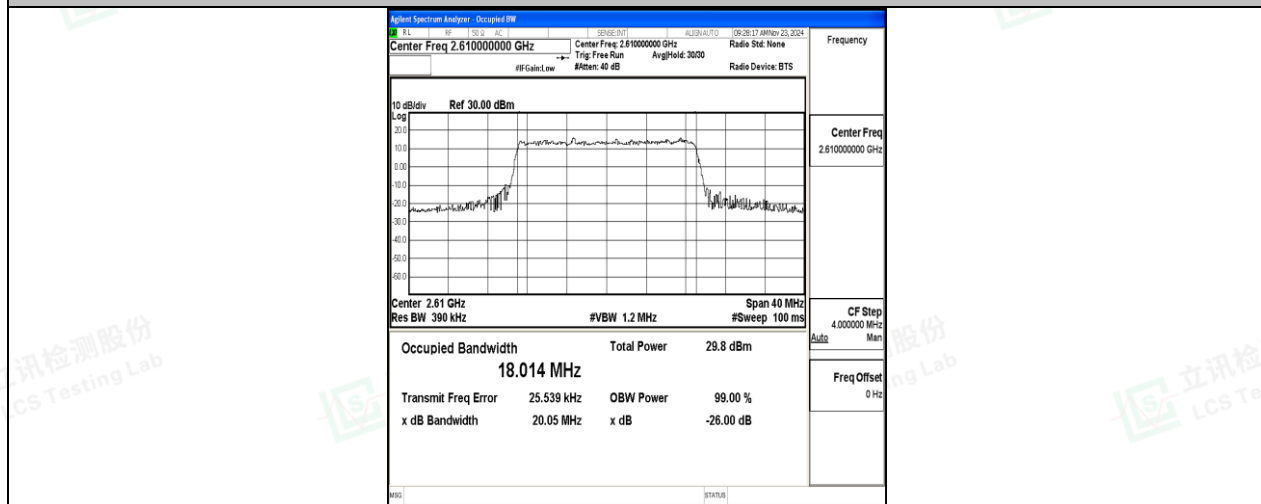
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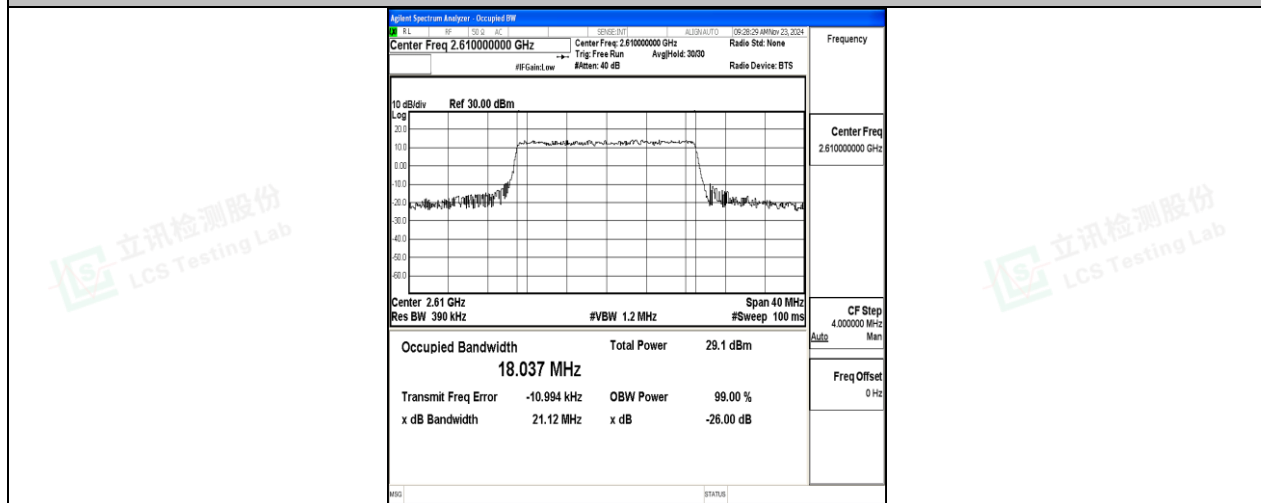
Scan code to check authenticity



Band38-20MHz-16QAM-38000-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS



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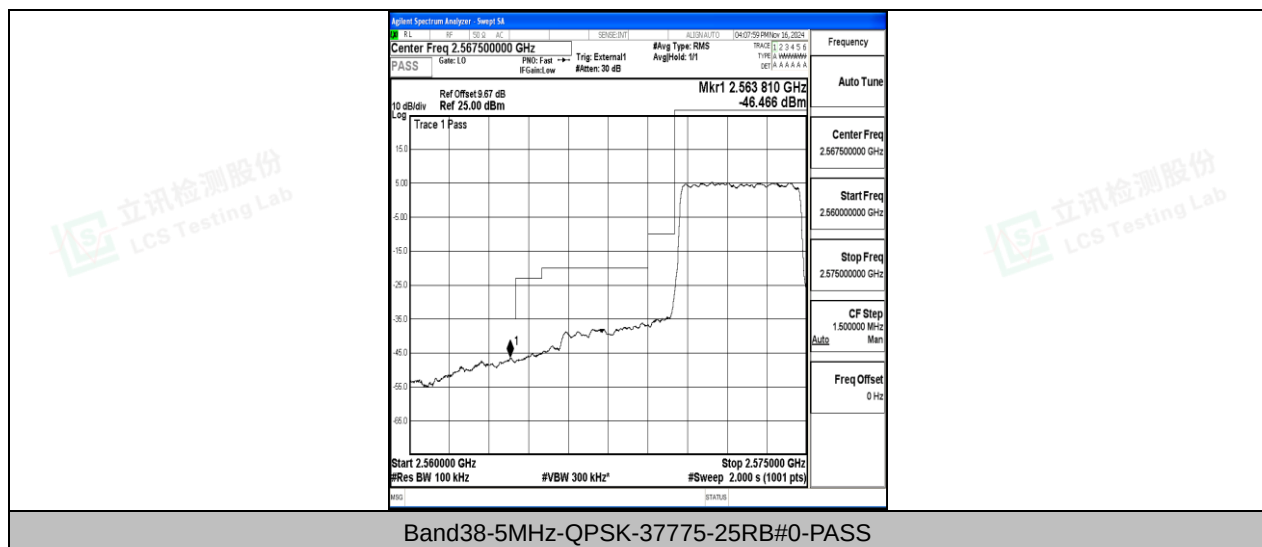


K.4 Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2563.81	-46.47	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.81	-47.50	PASS
Band38	5MHz	QPSK	38225	25RB#0	2626.22	-46.37	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.15	-47.86	PASS
Band38	10MHz	QPSK	37800	50RB#0	2559.93	-45.30	PASS
Band38	10MHz	16QAM	37800	50RB#0	2560.00	-44.75	PASS
Band38	10MHz	QPSK	38200	50RB#0	2630.13	-43.16	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.00	-43.99	PASS
Band38	15MHz	QPSK	37825	75RB#0	2554.69	-44.65	PASS
Band38	15MHz	16QAM	37825	75RB#0	2554.62	-44.41	PASS
Band38	15MHz	QPSK	38175	75RB#0	2636.12	-44.35	PASS
Band38	15MHz	16QAM	38175	75RB#0	2636.08	-44.75	PASS
Band38	20MHz	QPSK	37850	100RB#0	2550.00	-46.41	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.46	-47.09	PASS
Band38	20MHz	QPSK	38150	100RB#0	2640.01	-46.08	PASS
Band38	20MHz	16QAM	38150	100RB#0	2640.23	-46.27	PASS

Test Graphs

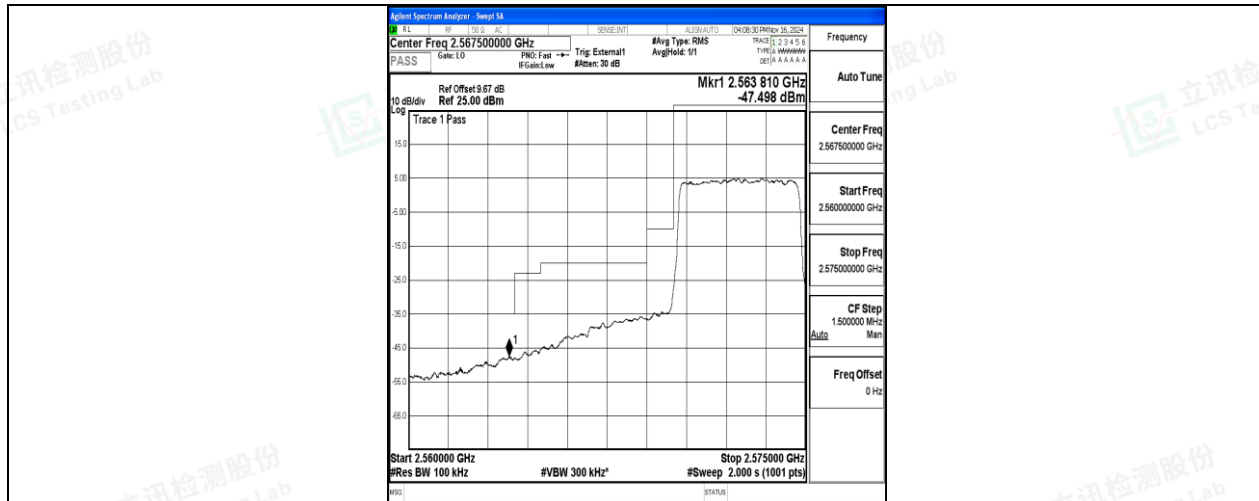


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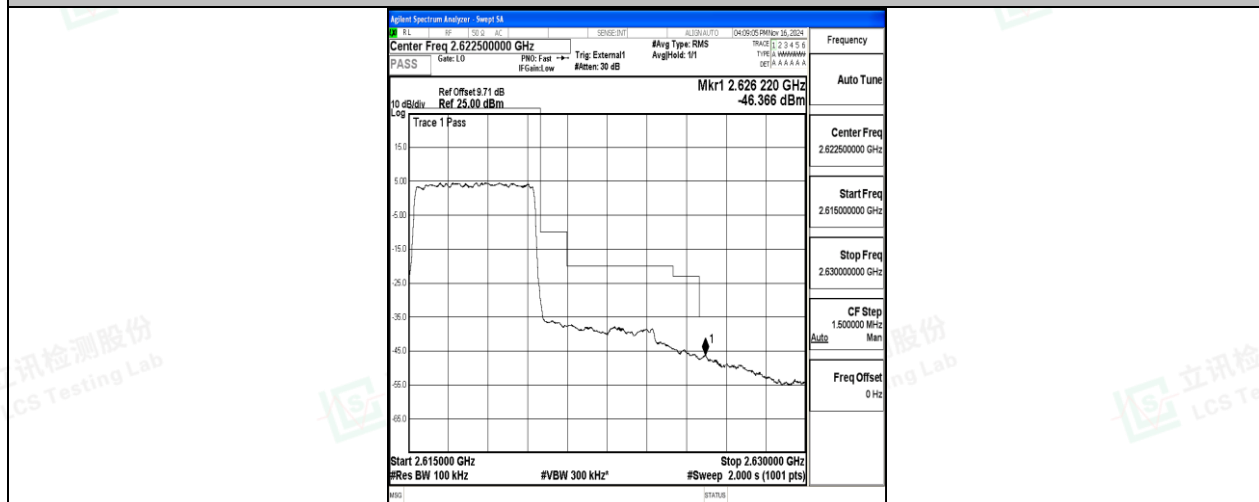
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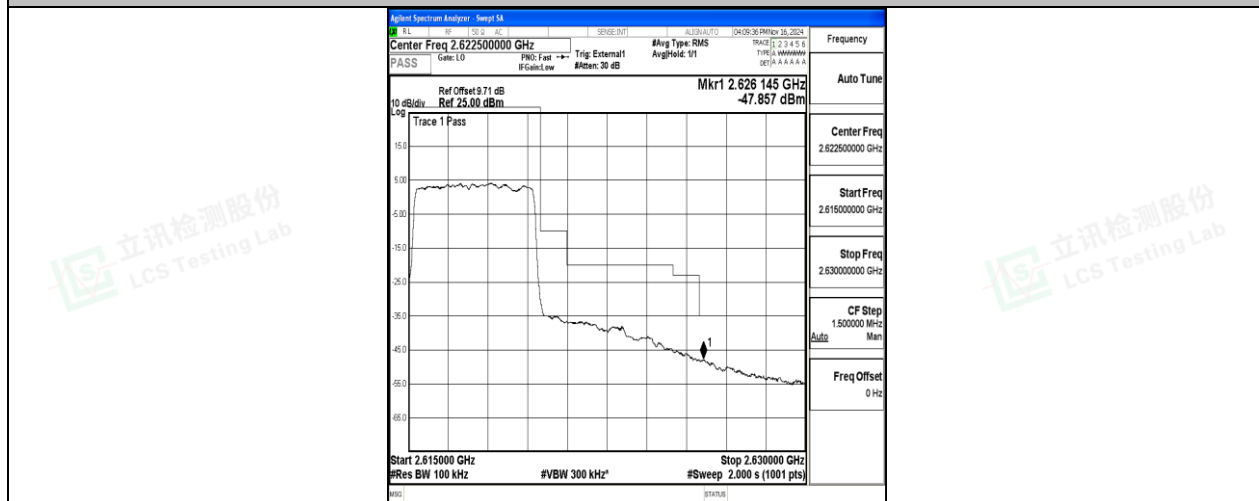
Scan code to check authenticity



Band38-5MHz-16QAM-37775-25RB#0-PASS



Band38-5MHz-QPSK-38225-25RB#0-PASS



Band38-5MHz-16QAM-38225-25RB#0-PASS



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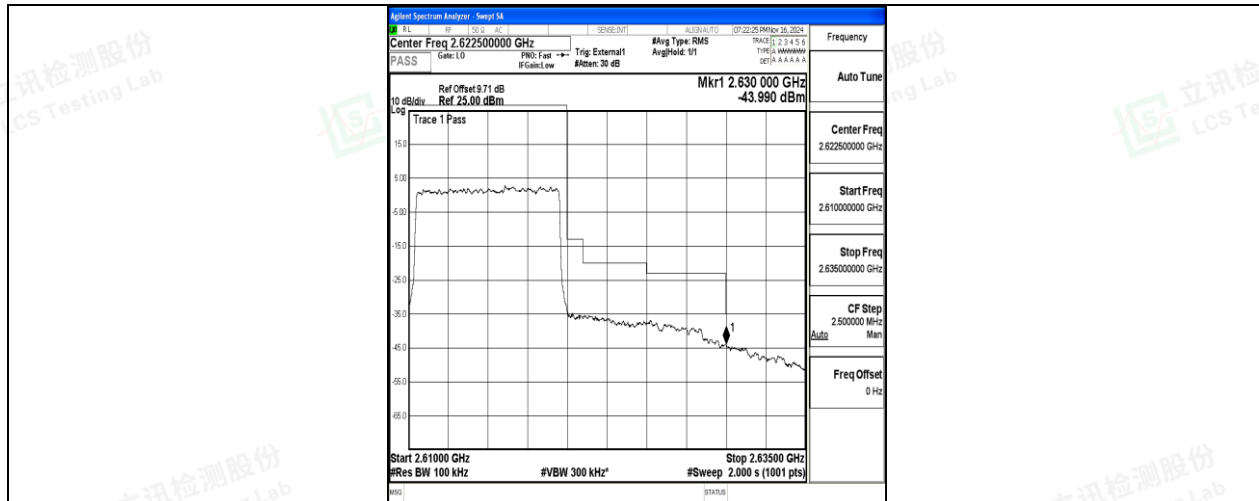


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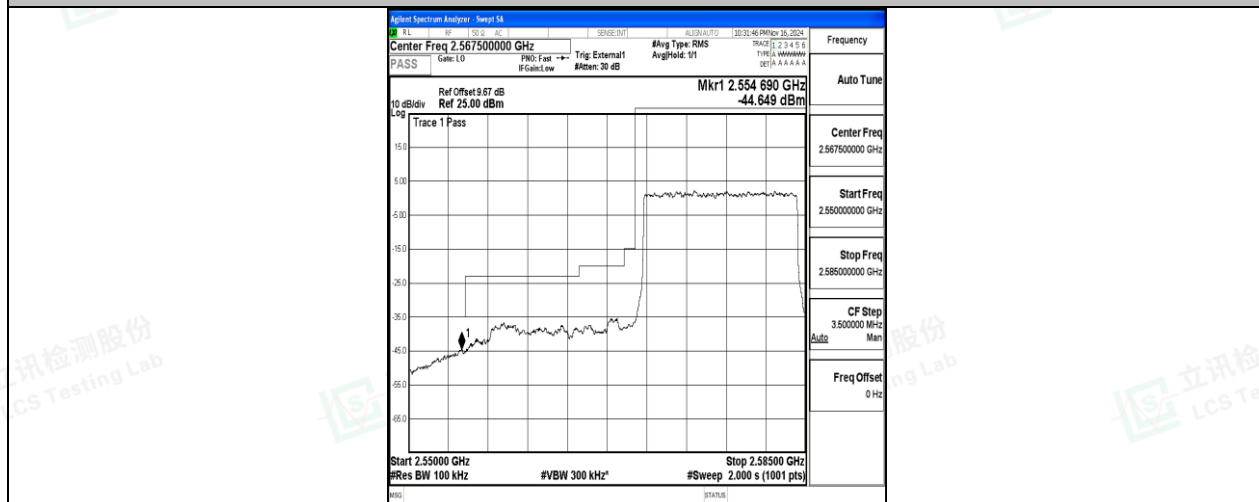
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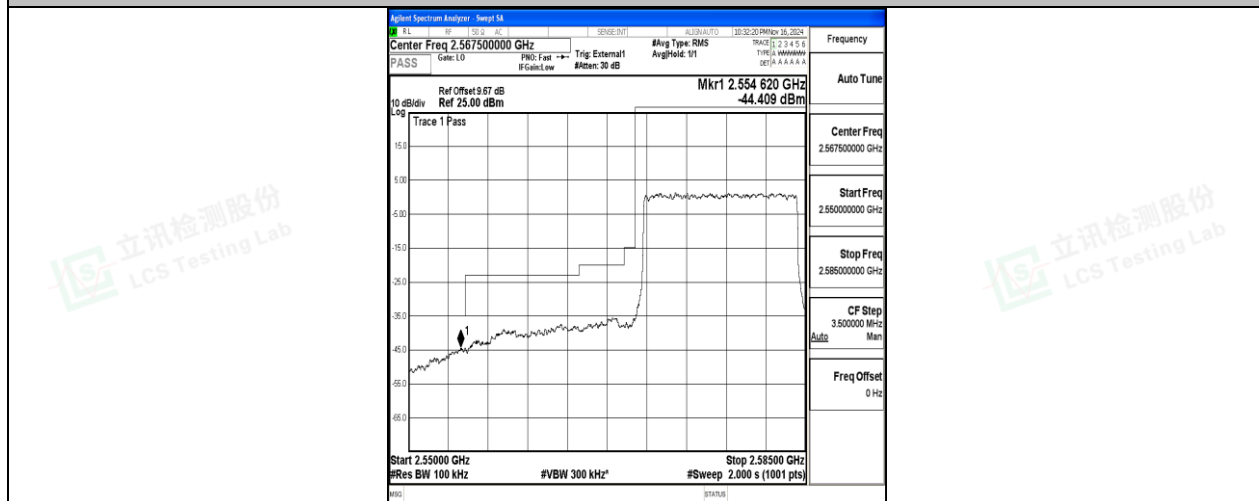
Scan code to check authenticity



Band38-10MHz-16QAM-38200-50RB#0-PASS



Band38-15MHz-QPSK-37825-75RB#0-PASS



Band38-15MHz-16QAM-37825-75RB#0-PASS

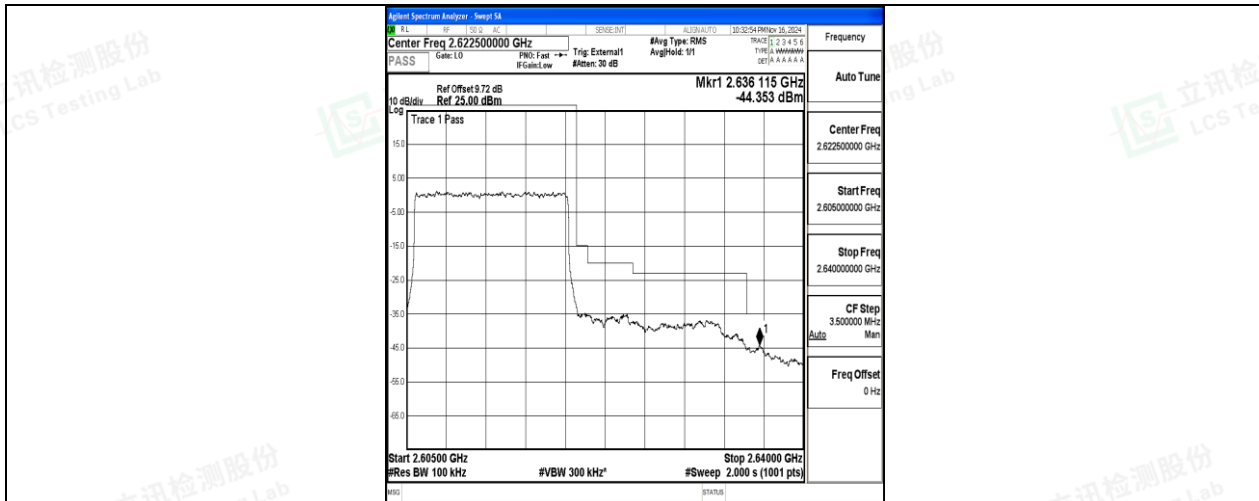


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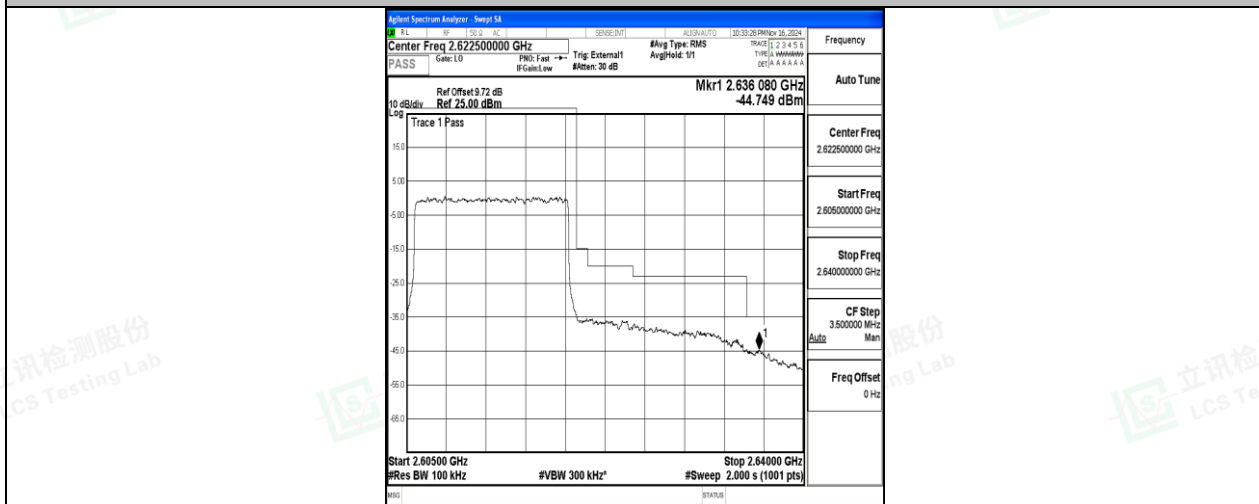
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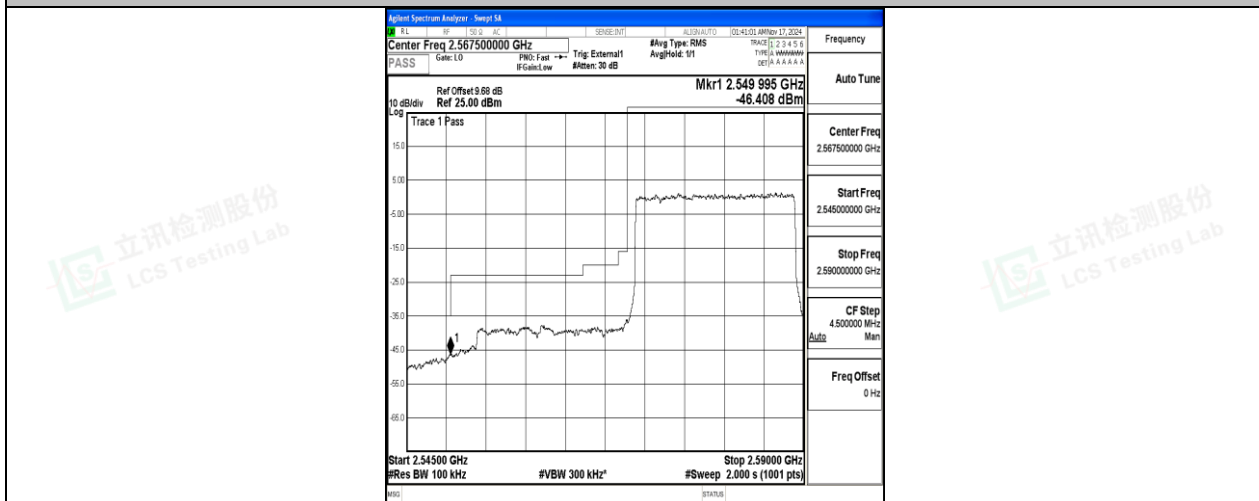
Scan code to check authenticity



Band38-15MHz-QPSK-38175-75RB#0-PASS



Band38-15MHz-16QAM-38175-75RB#0-PASS



Band38-20MHz-QPSK-37850-100RB#0-PASS

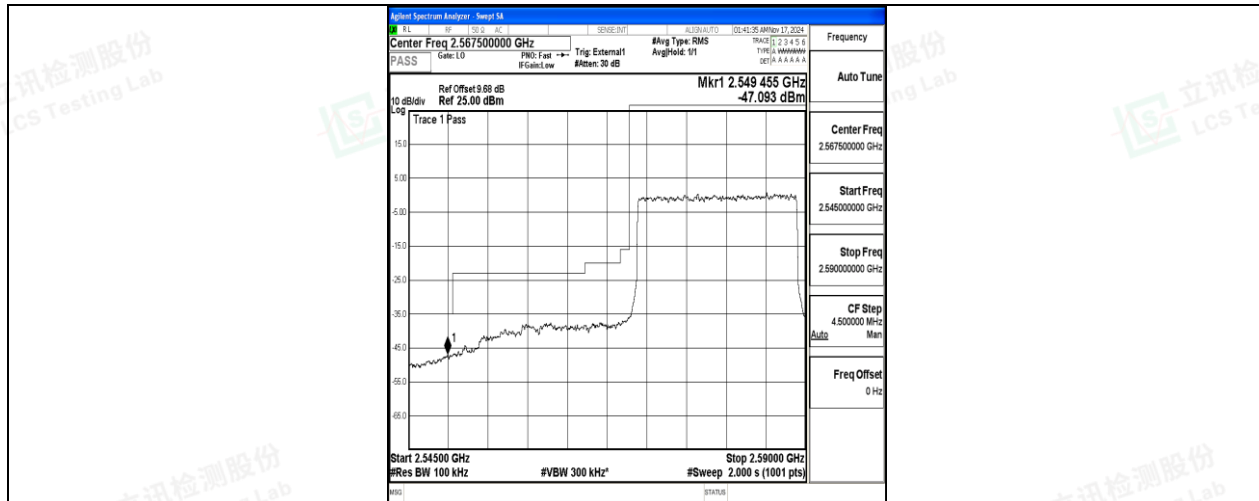


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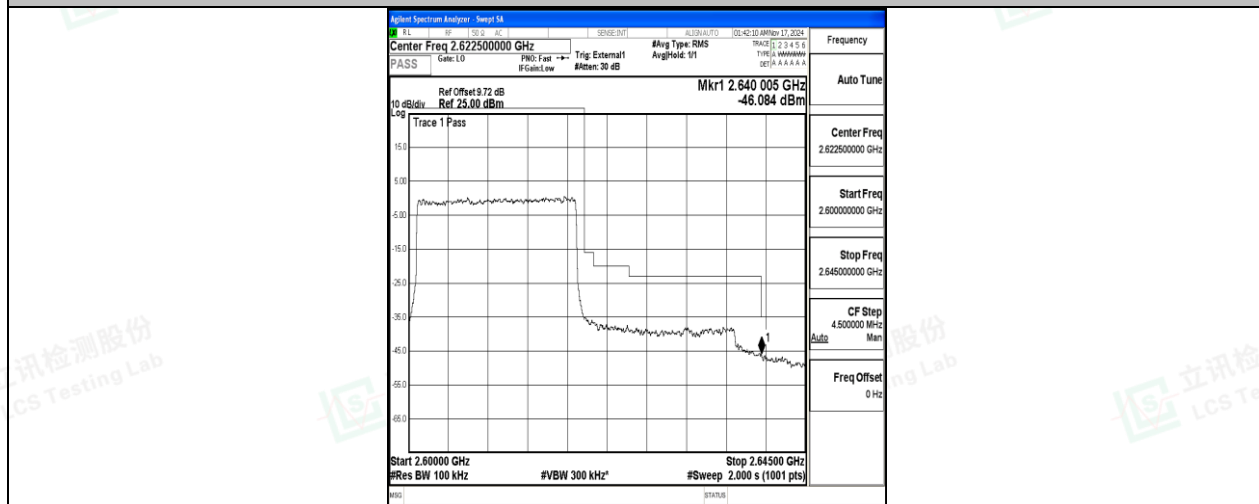
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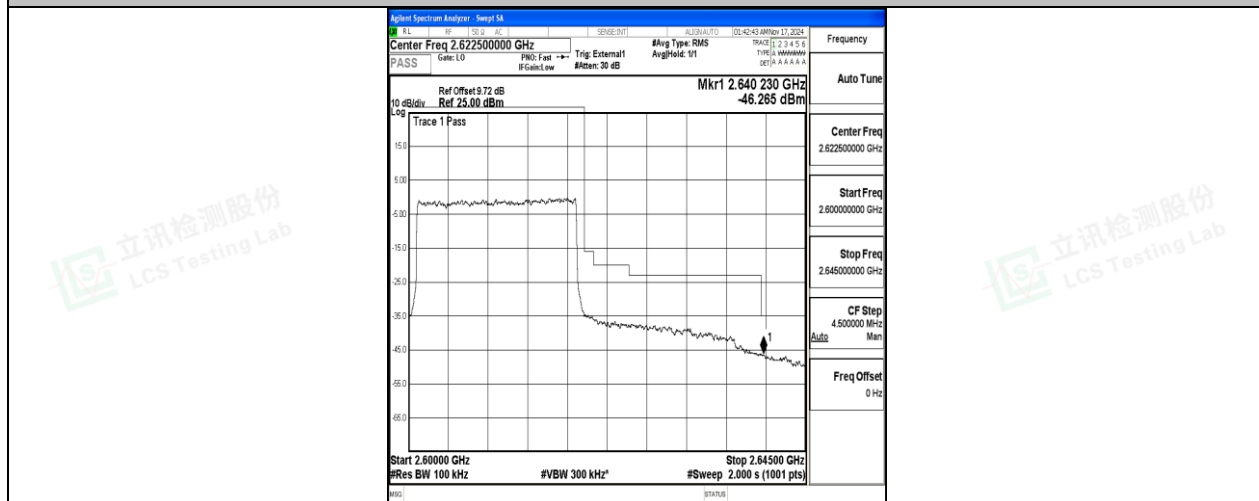
Scan code to check authenticity



Band38-20MHz-16QAM-37850-100RB#0-PASS



Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-38150-100RB#0-PASS



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K.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	0.009~0.15	-77.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	0.15~30	-68.80	PASS
Band38	5MHz	QPSK	37775	25RB#0	30~1000	-60.73	PASS
Band38	5MHz	QPSK	37775	25RB#0	1000~3000	-41.58	PASS
Band38	5MHz	QPSK	37775	25RB#0	3000~18000	-43.13	PASS
Band38	5MHz	QPSK	37775	25RB#0	18000~27000	-39.02	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.009~0.15	-76.27	PASS
Band38	5MHz	16QAM	37775	25RB#0	0.15~30	-68.86	PASS
Band38	5MHz	16QAM	37775	25RB#0	30~1000	-60.76	PASS
Band38	5MHz	16QAM	37775	25RB#0	1000~3000	-42.23	PASS
Band38	5MHz	16QAM	37775	25RB#0	3000~18000	-43.85	PASS
Band38	5MHz	16QAM	37775	25RB#0	18000~27000	-39.19	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.009~0.15	-75.34	PASS
Band38	5MHz	QPSK	38000	25RB#0	0.15~30	-72.87	PASS
Band38	5MHz	QPSK	38000	25RB#0	30~1000	-60.60	PASS
Band38	5MHz	QPSK	38000	25RB#0	1000~3000	-40.20	PASS
Band38	5MHz	QPSK	38000	25RB#0	3000~18000	-43.57	PASS
Band38	5MHz	QPSK	38000	25RB#0	18000~27000	-39.03	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.009~0.15	-76.55	PASS
Band38	5MHz	16QAM	38000	25RB#0	0.15~30	-72.88	PASS
Band38	5MHz	16QAM	38000	25RB#0	30~1000	-61.03	PASS
Band38	5MHz	16QAM	38000	25RB#0	1000~3000	-41.03	PASS
Band38	5MHz	16QAM	38000	25RB#0	3000~18000	-43.66	PASS
Band38	5MHz	16QAM	38000	25RB#0	18000~27000	-39.27	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.009~0.15	-75.11	PASS
Band38	5MHz	QPSK	38225	25RB#0	0.15~30	-69.81	PASS
Band38	5MHz	QPSK	38225	25RB#0	30~1000	-60.36	PASS
Band38	5MHz	QPSK	38225	25RB#0	1000~3000	-40.29	PASS
Band38	5MHz	QPSK	38225	25RB#0	3000~18000	-43.67	PASS
Band38	5MHz	QPSK	38225	25RB#0	18000~27000	-39.36	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.009~0.15	-75.23	PASS
Band38	5MHz	16QAM	38225	25RB#0	0.15~30	-73.28	PASS
Band38	5MHz	16QAM	38225	25RB#0	30~1000	-60.79	PASS
Band38	5MHz	16QAM	38225	25RB#0	1000~3000	-41.70	PASS
Band38	5MHz	16QAM	38225	25RB#0	3000~18000	-43.64	PASS
Band38	5MHz	16QAM	38225	25RB#0	18000~27000	-39.11	PASS



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Band38	10MHz	QPSK	37800	50RB#0	0.009~0.15	-75.25	PASS
Band38	10MHz	QPSK	37800	50RB#0	0.15~30	-69.49	PASS
Band38	10MHz	QPSK	37800	50RB#0	30~1000	-60.04	PASS
Band38	10MHz	QPSK	37800	50RB#0	1000~3000	-42.35	PASS
Band38	10MHz	QPSK	37800	50RB#0	3000~18000	-43.45	PASS
Band38	10MHz	QPSK	37800	50RB#0	18000~27000	-38.99	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.009~0.15	-73.73	PASS
Band38	10MHz	16QAM	37800	50RB#0	0.15~30	-69.61	PASS
Band38	10MHz	16QAM	37800	50RB#0	30~1000	-59.82	PASS
Band38	10MHz	16QAM	37800	50RB#0	1000~3000	-43.43	PASS
Band38	10MHz	16QAM	37800	50RB#0	3000~18000	-43.54	PASS
Band38	10MHz	16QAM	37800	50RB#0	18000~27000	-39.20	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.009~0.15	-77.16	PASS
Band38	10MHz	QPSK	38000	50RB#0	0.15~30	-73.48	PASS
Band38	10MHz	QPSK	38000	50RB#0	30~1000	-60.17	PASS
Band38	10MHz	QPSK	38000	50RB#0	1000~3000	-41.95	PASS
Band38	10MHz	QPSK	38000	50RB#0	3000~18000	-43.80	PASS
Band38	10MHz	QPSK	38000	50RB#0	18000~27000	-39.17	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.009~0.15	-75.27	PASS
Band38	10MHz	16QAM	38000	50RB#0	0.15~30	-73.76	PASS
Band38	10MHz	16QAM	38000	50RB#0	30~1000	-59.83	PASS
Band38	10MHz	16QAM	38000	50RB#0	1000~3000	-43.01	PASS
Band38	10MHz	16QAM	38000	50RB#0	3000~18000	-43.72	PASS
Band38	10MHz	16QAM	38000	50RB#0	18000~27000	-38.82	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.009~0.15	-74.99	PASS
Band38	10MHz	QPSK	38200	50RB#0	0.15~30	-74.39	PASS
Band38	10MHz	QPSK	38200	50RB#0	30~1000	-59.91	PASS
Band38	10MHz	QPSK	38200	50RB#0	1000~3000	-41.70	PASS
Band38	10MHz	QPSK	38200	50RB#0	3000~18000	-43.82	PASS
Band38	10MHz	QPSK	38200	50RB#0	18000~27000	-39.24	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.009~0.15	-77.44	PASS
Band38	10MHz	16QAM	38200	50RB#0	0.15~30	-73.22	PASS
Band38	10MHz	16QAM	38200	50RB#0	30~1000	-59.78	PASS
Band38	10MHz	16QAM	38200	50RB#0	1000~3000	-43.30	PASS
Band38	10MHz	16QAM	38200	50RB#0	3000~18000	-43.64	PASS
Band38	10MHz	16QAM	38200	50RB#0	18000~27000	-38.74	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.009~0.15	-75.20	PASS
Band38	15MHz	QPSK	37825	75RB#0	0.15~30	-70.20	PASS
Band38	15MHz	QPSK	37825	75RB#0	30~1000	-59.87	PASS
Band38	15MHz	QPSK	37825	75RB#0	1000~3000	-43.09	PASS
Band38	15MHz	QPSK	37825	75RB#0	3000~18000	-43.36	PASS
Band38	15MHz	QPSK	37825	75RB#0	18000~27000	-39.22	PASS



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Band38	15MHz	16QAM	37825	75RB#0	0.009~0.15	-74.40	PASS
Band38	15MHz	16QAM	37825	75RB#0	0.15~30	-70.02	PASS
Band38	15MHz	16QAM	37825	75RB#0	30~1000	-59.87	PASS
Band38	15MHz	16QAM	37825	75RB#0	1000~3000	-43.29	PASS
Band38	15MHz	16QAM	37825	75RB#0	3000~18000	-43.38	PASS
Band38	15MHz	16QAM	37825	75RB#0	18000~27000	-39.21	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.009~0.15	-76.36	PASS
Band38	15MHz	QPSK	38000	75RB#0	0.15~30	-72.10	PASS
Band38	15MHz	QPSK	38000	75RB#0	30~1000	-60.00	PASS
Band38	15MHz	QPSK	38000	75RB#0	1000~3000	-42.08	PASS
Band38	15MHz	QPSK	38000	75RB#0	3000~18000	-43.34	PASS
Band38	15MHz	QPSK	38000	75RB#0	18000~27000	-38.96	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.009~0.15	-75.48	PASS
Band38	15MHz	16QAM	38000	75RB#0	0.15~30	-72.94	PASS
Band38	15MHz	16QAM	38000	75RB#0	30~1000	-59.87	PASS
Band38	15MHz	16QAM	38000	75RB#0	1000~3000	-42.66	PASS
Band38	15MHz	16QAM	38000	75RB#0	3000~18000	-43.49	PASS
Band38	15MHz	16QAM	38000	75RB#0	18000~27000	-39.12	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.009~0.15	-76.61	PASS
Band38	15MHz	QPSK	38175	75RB#0	0.15~30	-73.95	PASS
Band38	15MHz	QPSK	38175	75RB#0	30~1000	-59.65	PASS
Band38	15MHz	QPSK	38175	75RB#0	1000~3000	-42.71	PASS
Band38	15MHz	QPSK	38175	75RB#0	3000~18000	-43.51	PASS
Band38	15MHz	QPSK	38175	75RB#0	18000~27000	-39.05	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.009~0.15	-78.48	PASS
Band38	15MHz	16QAM	38175	75RB#0	0.15~30	-71.36	PASS
Band38	15MHz	16QAM	38175	75RB#0	30~1000	-59.80	PASS
Band38	15MHz	16QAM	38175	75RB#0	1000~3000	-43.06	PASS
Band38	15MHz	16QAM	38175	75RB#0	3000~18000	-43.60	PASS
Band38	15MHz	16QAM	38175	75RB#0	18000~27000	-38.99	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.009~0.15	-75.26	PASS
Band38	20MHz	QPSK	37850	100RB#0	0.15~30	-69.93	PASS
Band38	20MHz	QPSK	37850	100RB#0	30~1000	-59.85	PASS
Band38	20MHz	QPSK	37850	100RB#0	1000~3000	-43.61	PASS
Band38	20MHz	QPSK	37850	100RB#0	3000~18000	-43.33	PASS
Band38	20MHz	QPSK	37850	100RB#0	18000~27000	-39.32	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.009~0.15	-74.18	PASS
Band38	20MHz	16QAM	37850	100RB#0	0.15~30	-70.73	PASS
Band38	20MHz	16QAM	37850	100RB#0	30~1000	-59.72	PASS
Band38	20MHz	16QAM	37850	100RB#0	1000~3000	-44.13	PASS
Band38	20MHz	16QAM	37850	100RB#0	3000~18000	-43.68	PASS
Band38	20MHz	16QAM	37850	100RB#0	18000~27000	-39.05	PASS



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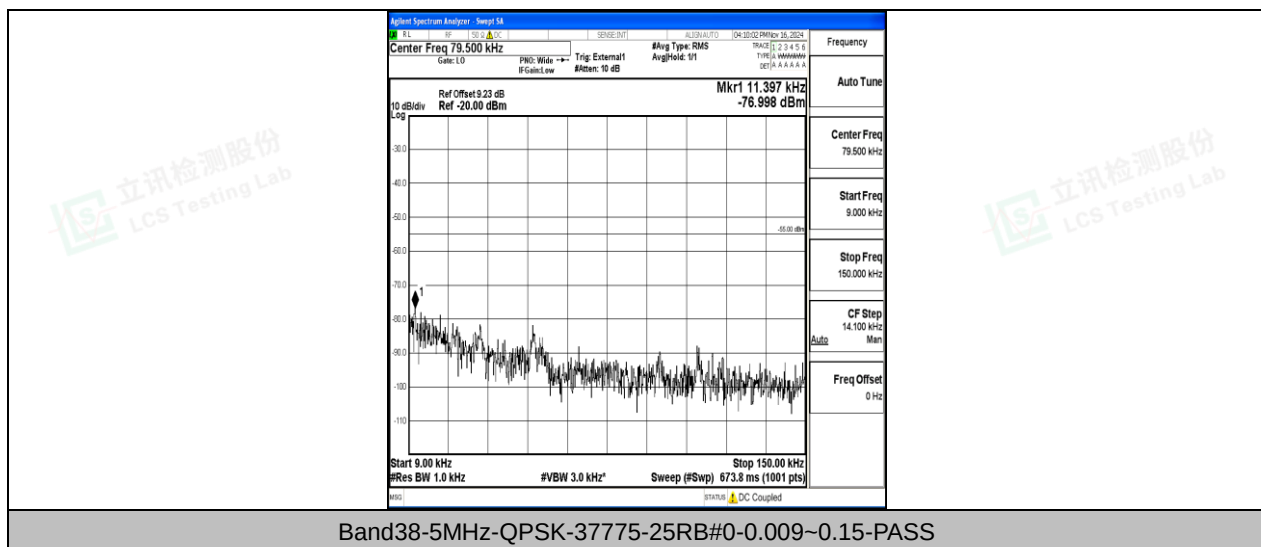
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Scan code to check authenticity



Band38	20MHz	QPSK	38000	100RB#0	0.009~0.15	-77.30	PASS
Band38	20MHz	QPSK	38000	100RB#0	0.15~30	-72.47	PASS
Band38	20MHz	QPSK	38000	100RB#0	30~1000	-60.01	PASS
Band38	20MHz	QPSK	38000	100RB#0	1000~3000	-41.63	PASS
Band38	20MHz	QPSK	38000	100RB#0	3000~18000	-43.59	PASS
Band38	20MHz	QPSK	38000	100RB#0	18000~27000	-38.91	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.009~0.15	-74.87	PASS
Band38	20MHz	16QAM	38000	100RB#0	0.15~30	-71.15	PASS
Band38	20MHz	16QAM	38000	100RB#0	30~1000	-59.54	PASS
Band38	20MHz	16QAM	38000	100RB#0	1000~3000	-43.51	PASS
Band38	20MHz	16QAM	38000	100RB#0	3000~18000	-43.43	PASS
Band38	20MHz	16QAM	38000	100RB#0	18000~27000	-38.87	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.009~0.15	-75.48	PASS
Band38	20MHz	QPSK	38150	100RB#0	0.15~30	-70.38	PASS
Band38	20MHz	QPSK	38150	100RB#0	30~1000	-60.14	PASS
Band38	20MHz	QPSK	38150	100RB#0	1000~3000	-43.67	PASS
Band38	20MHz	QPSK	38150	100RB#0	3000~18000	-43.52	PASS
Band38	20MHz	QPSK	38150	100RB#0	18000~27000	-39.10	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.009~0.15	-77.16	PASS
Band38	20MHz	16QAM	38150	100RB#0	0.15~30	-73.43	PASS
Band38	20MHz	16QAM	38150	100RB#0	30~1000	-59.76	PASS
Band38	20MHz	16QAM	38150	100RB#0	1000~3000	-43.98	PASS
Band38	20MHz	16QAM	38150	100RB#0	3000~18000	-43.62	PASS
Band38	20MHz	16QAM	38150	100RB#0	18000~27000	-39.11	PASS

Test Graphs

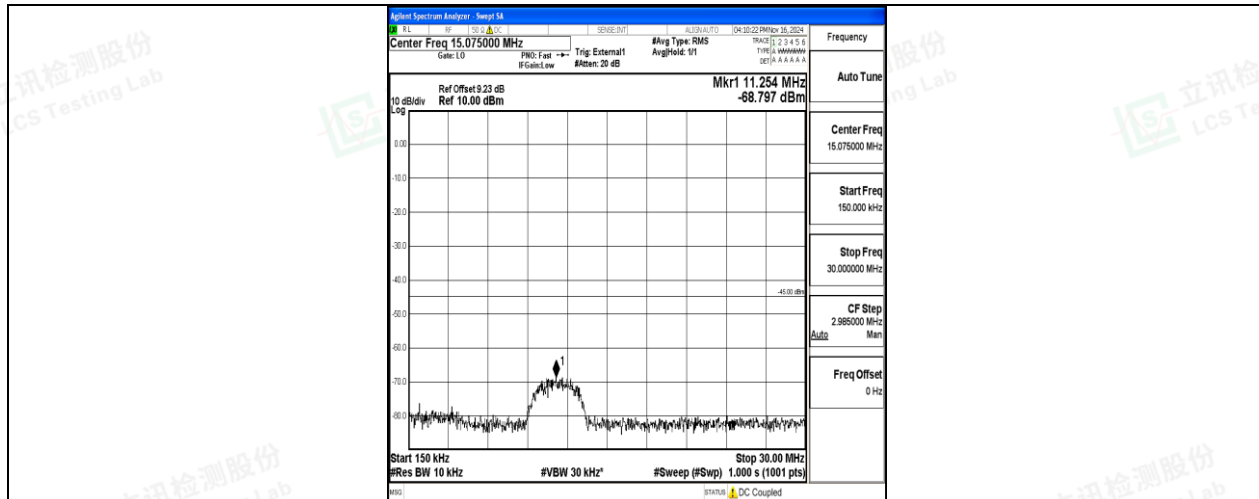


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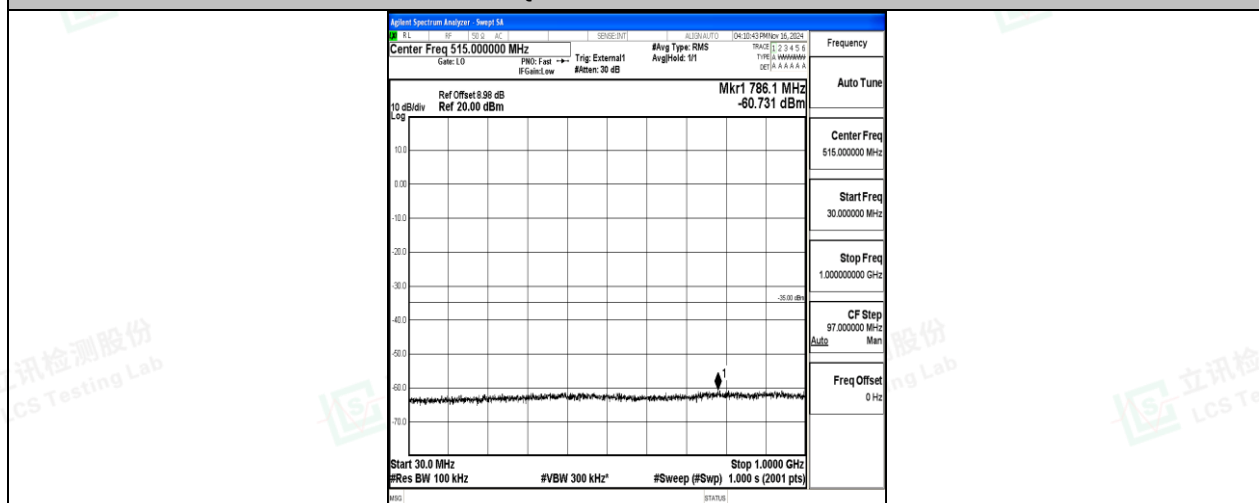
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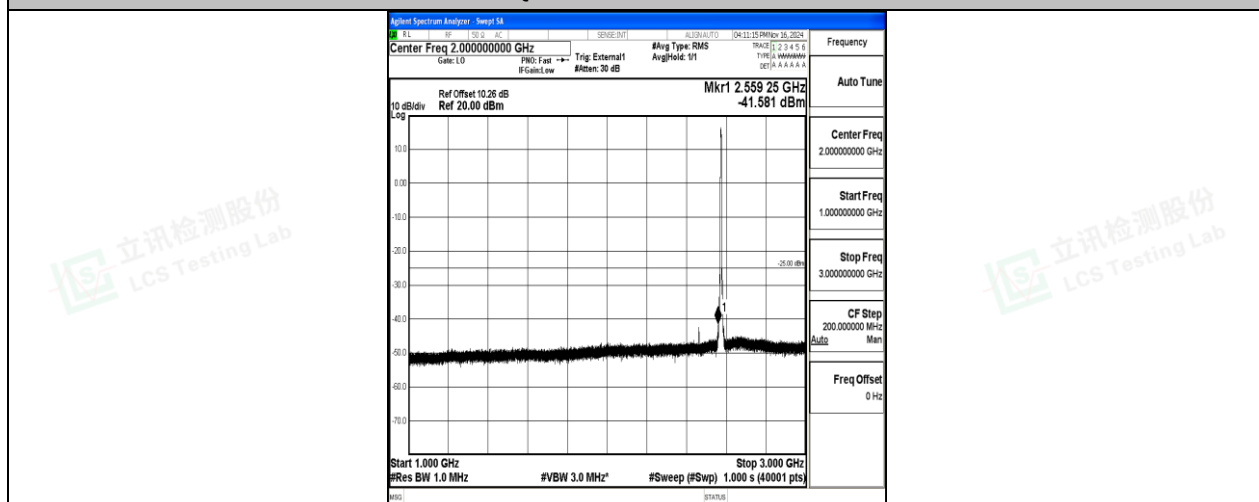
Scan code to check authenticity



Band38-5MHz-QPSK-37775-25RB#0-0.15~30-PASS



Band38-5MHz-QPSK-37775-25RB#0-30~1000-PASS



Band38-5MHz-QPSK-37775-25RB#0-1000~3000-PASS



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