



Appendix E: Test Data for E-UTRA Band 38

Product Name: Smart phone

Test Model: Smooth 5.0 2022

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





E.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.41	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.44	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.24	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.47	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.48	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.37	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.40	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.45	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.56	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.41	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.58	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.59	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.55	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.53	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.81	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.92	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.66	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.85	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.81	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.77	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.81	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.69	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.54	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.44	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.36	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.36	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.37	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.31	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.48	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.18	PASS



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Band38	5MHz	16QAM	38000	1RB#24	21.37	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.42	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.43	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.37	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.49	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.92	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.02	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.76	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.61	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.61	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.57	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.81	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.16	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.36	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.23	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.43	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.43	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.46	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.43	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.27	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.50	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.28	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.58	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.58	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.50	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.54	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.55	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.82	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.53	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.77	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.77	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.88	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.82	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.19	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.35	PASS





Band38	10MHz	16QAM	37800	1RB#49	21.28	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.31	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.31	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.46	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.43	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.32	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.50	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.23	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.28	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.28	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.21	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.55	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.94	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.19	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.40	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.70	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.90	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.84	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.87	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.21	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.56	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.16	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.70	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.81	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.76	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.47	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.16	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.40	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.56	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.25	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.82	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.82	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.51	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.34	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.70	PASS



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Band38	15MHz	QPSK	38175	1RB#74	22.29	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.89	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.95	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.49	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.65	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.73	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.63	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.68	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.71	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.83	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.70	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.52	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.22	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.32	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.77	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.73	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.84	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.81	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.44	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.86	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.67	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.90	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.88	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.76	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.88	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.60	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.09	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.37	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.05	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.34	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.34	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.42	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.38	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.30	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.62	PASS



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Band38	20MHz	QPSK	38000	1RB#99	22.31	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.44	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.54	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.48	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.51	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.41	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.69	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.56	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.51	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.58	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.74	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.59	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.80	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.59	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.00	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.31	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.43	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.42	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.42	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.63	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.91	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.12	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.57	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.53	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.44	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.42	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.23	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.23	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.87	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.51	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.48	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.73	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.50	PASS





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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	4.87	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.19	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	4.62	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.09	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	5.17	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.30	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	6.16	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.06	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	6.19	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.46	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	5.64	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.31	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	4.55	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.13	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	4.64	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.05	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	5.10	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.09	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	6.06	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	6.02	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	6.26	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	5.93	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	5.55	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	5.94	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	5.32	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.31	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	5.01	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.26	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	5.21	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.29	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	6.24	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	6.07	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	6.23	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	6.03	13	PASS





Band38	15MHz	16QAM	38175	1RB#0	6.18	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	6.03	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	4.76	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.14	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	4.59	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.16	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	4.95	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.19	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.35	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	7.91	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	7.25	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	7.64	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	9.55	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	7.98	13	PASS



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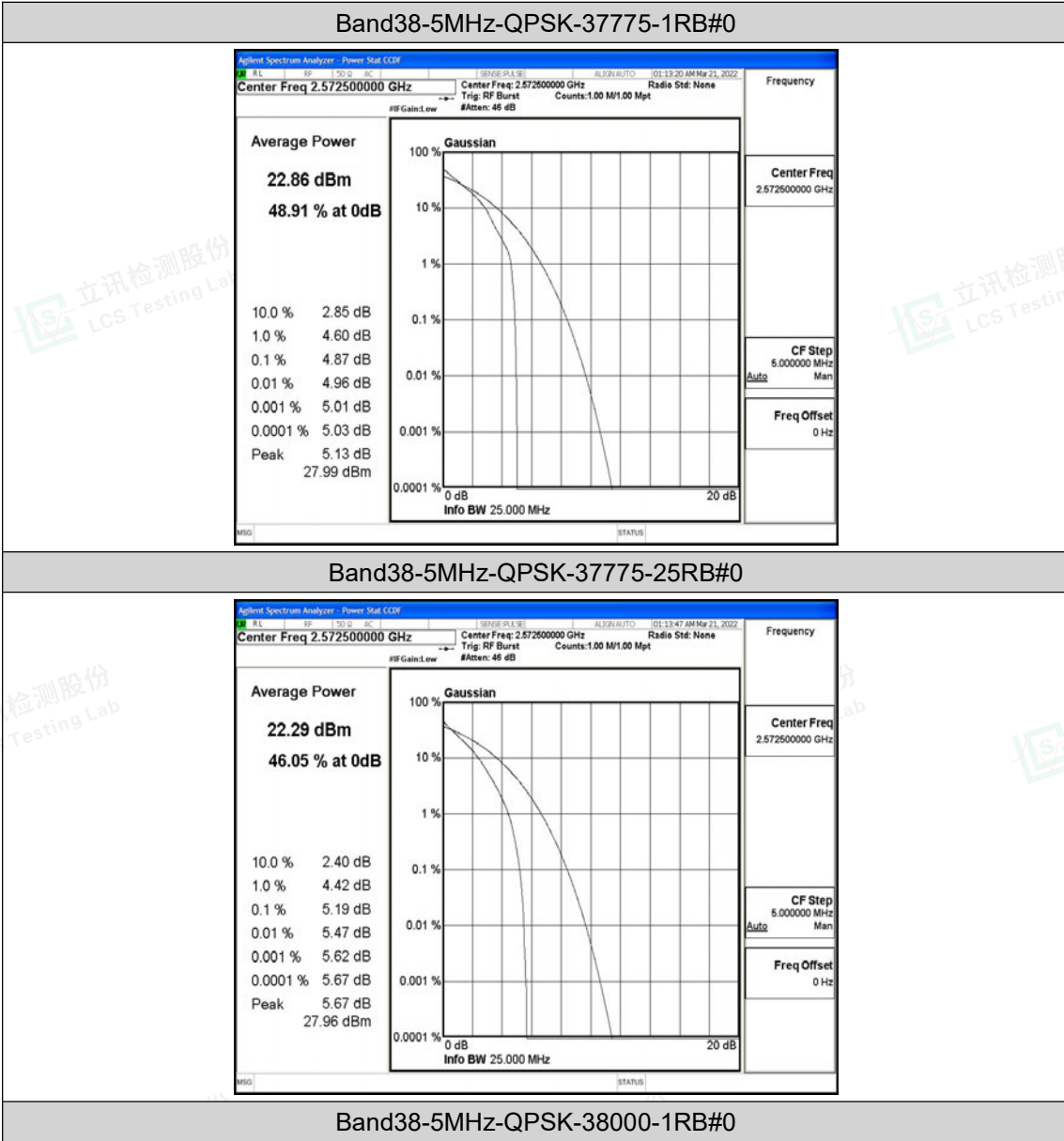
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

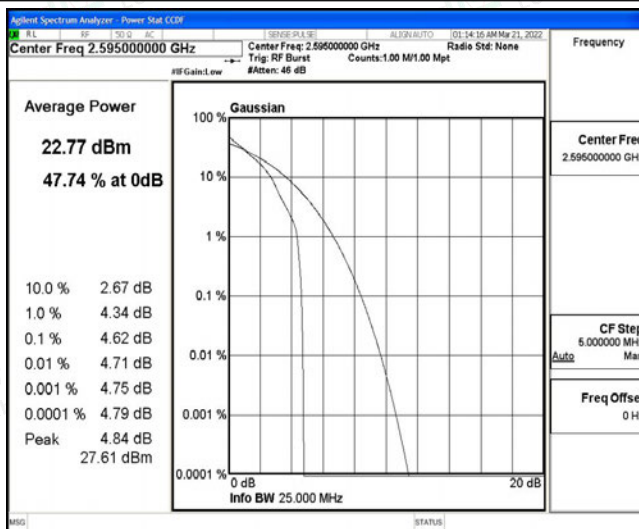
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

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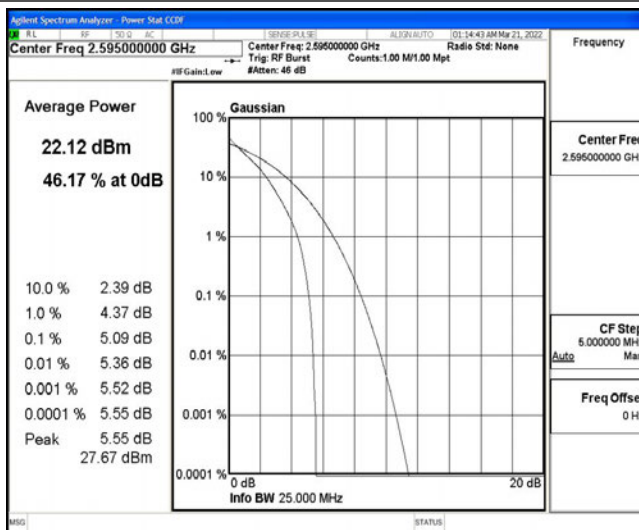


Test Graphs

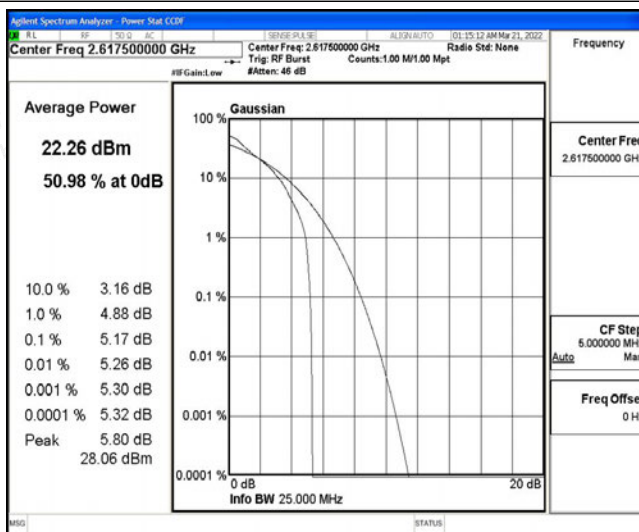




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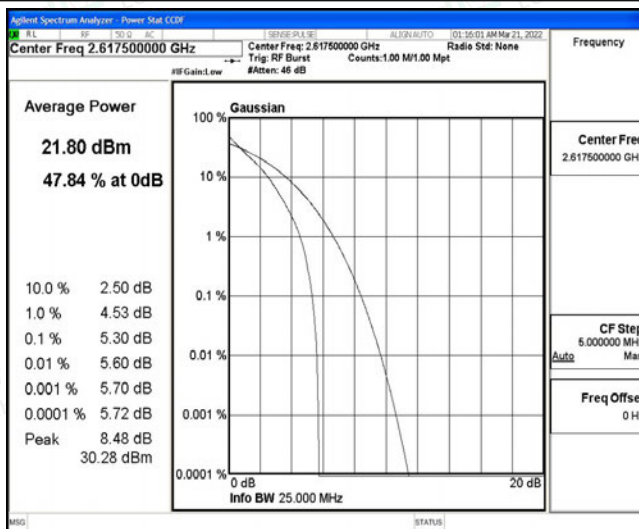


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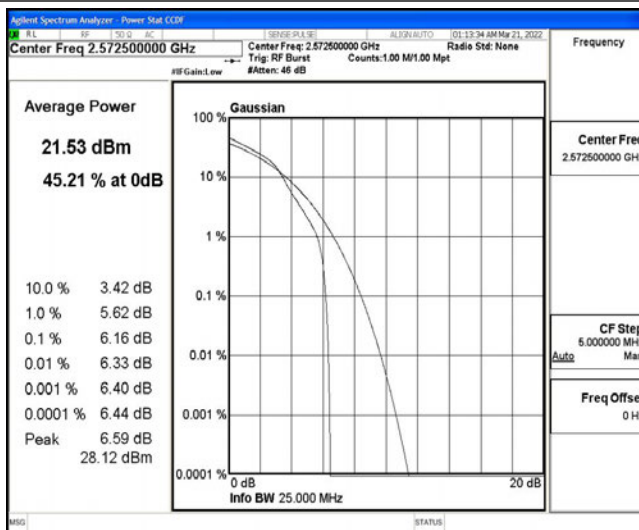


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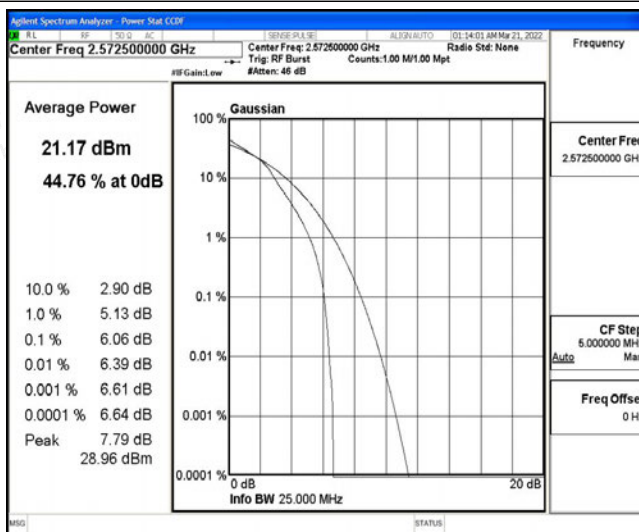




Band38-5MHz-16QAM-37775-1RB#0

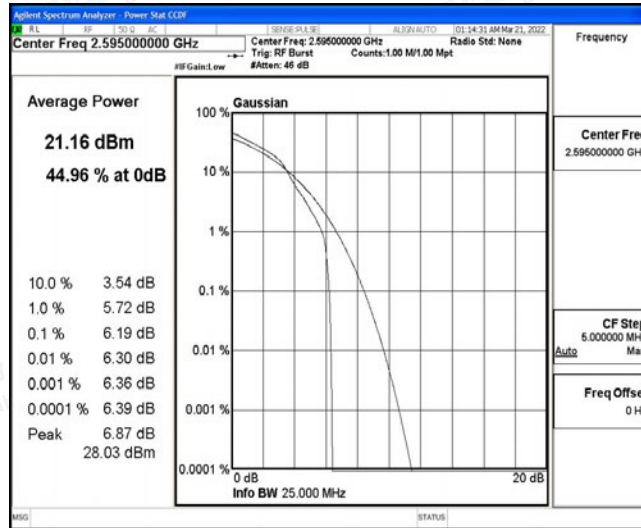


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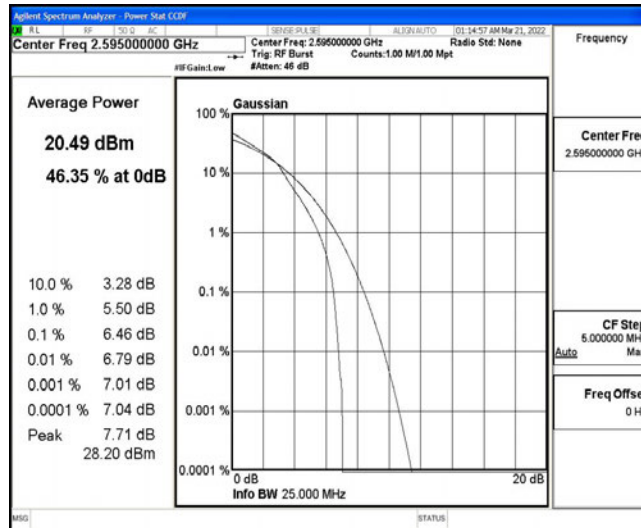


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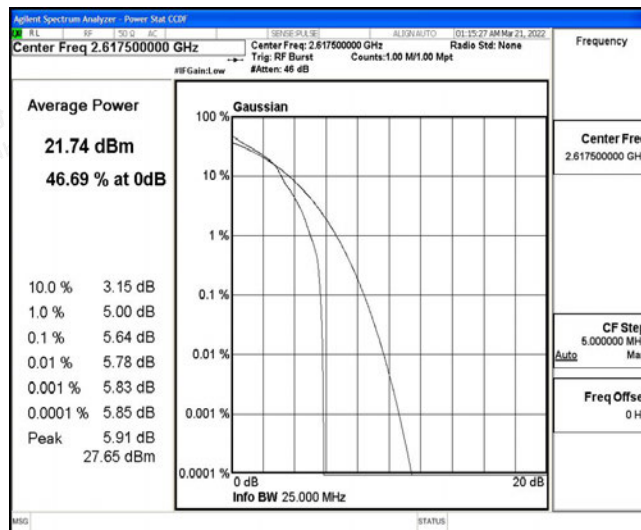




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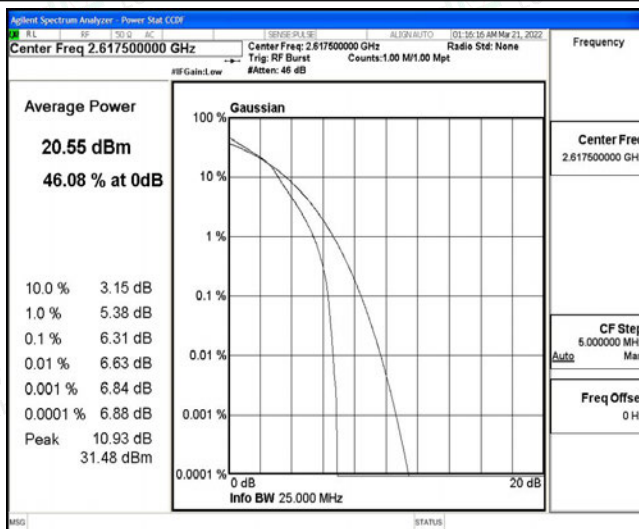


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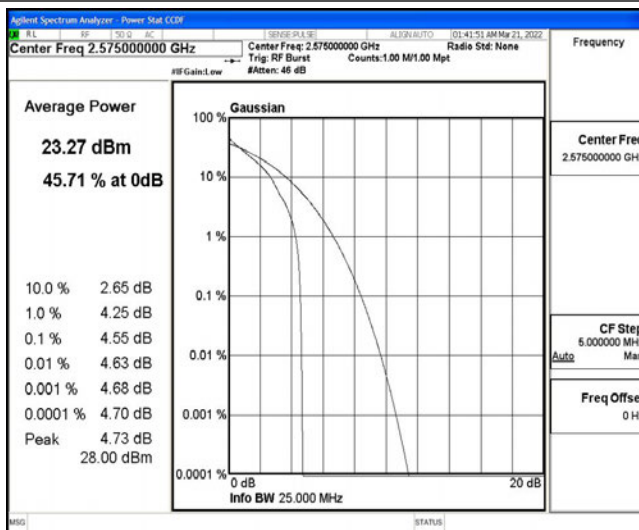


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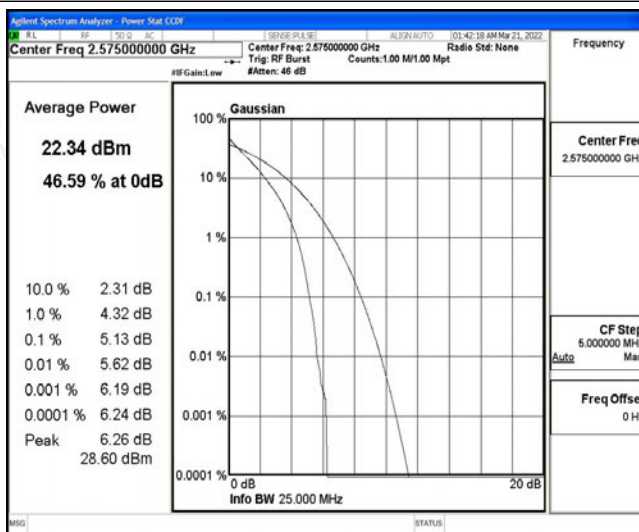




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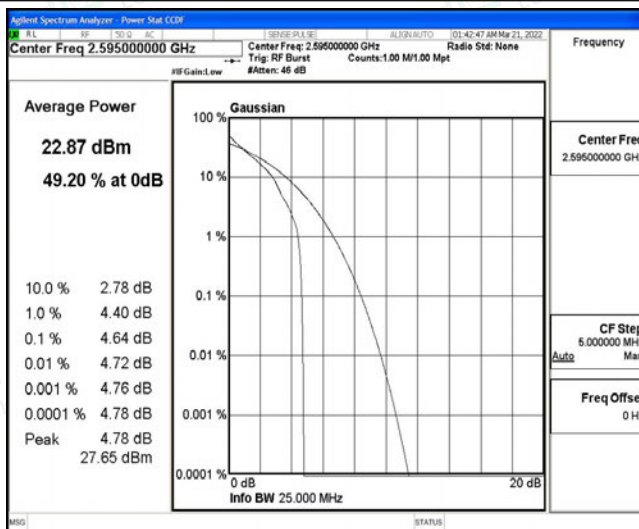


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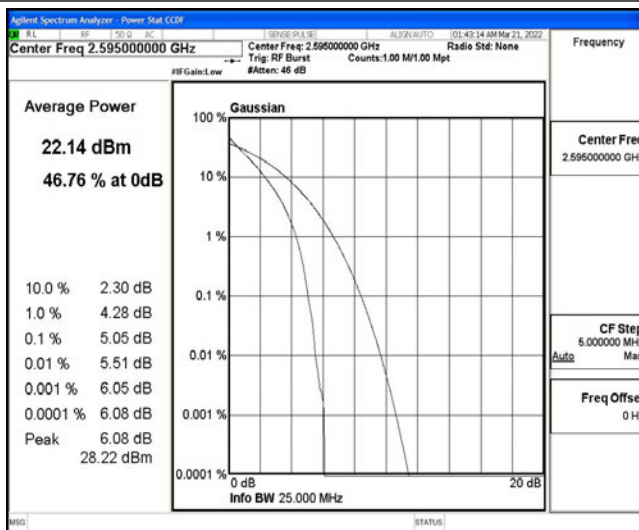


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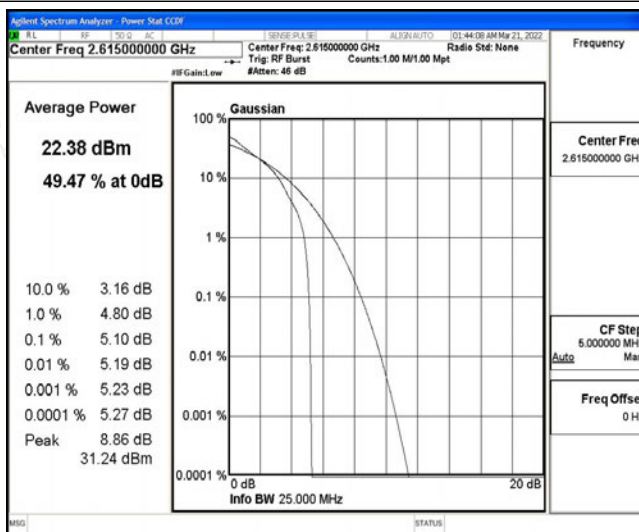




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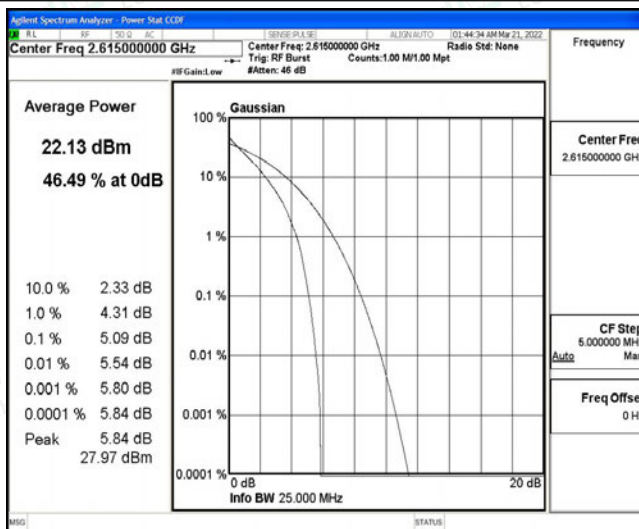


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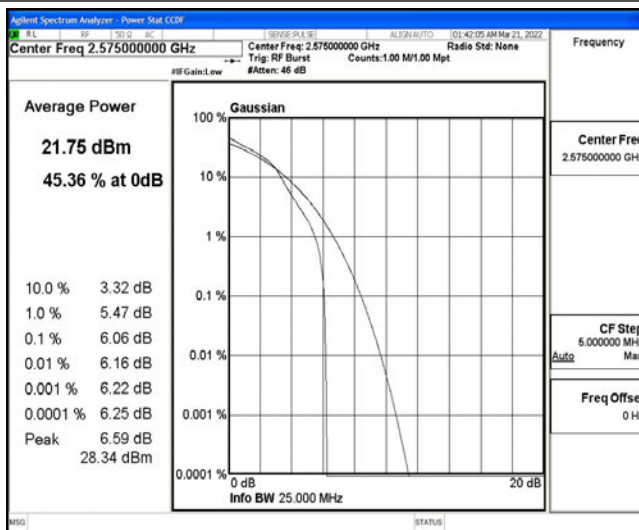


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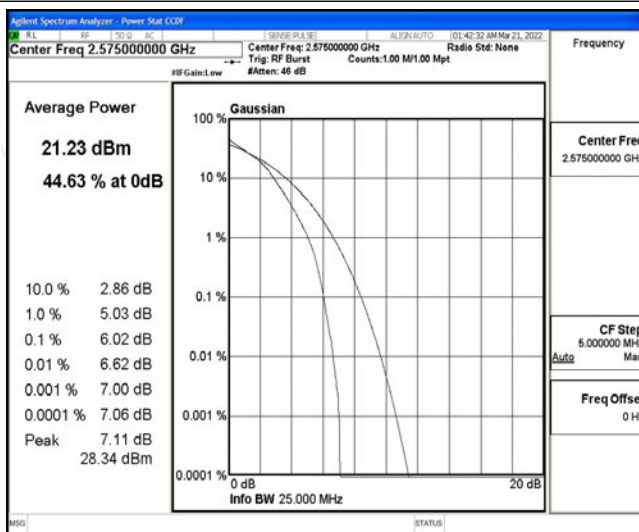




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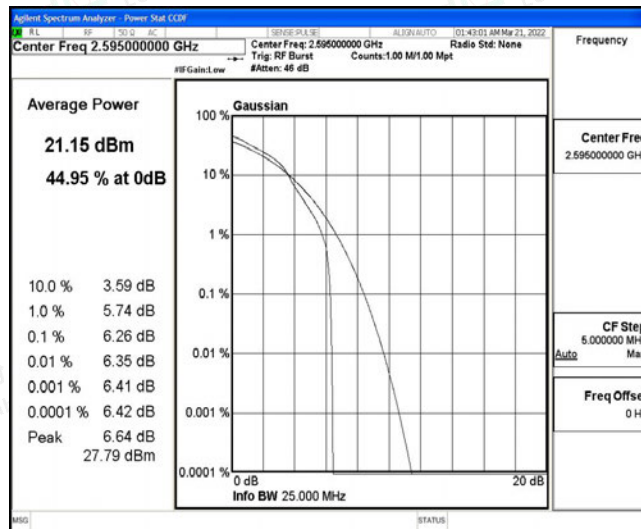


Band38-10MHz-16QAM-37800-50RB#0

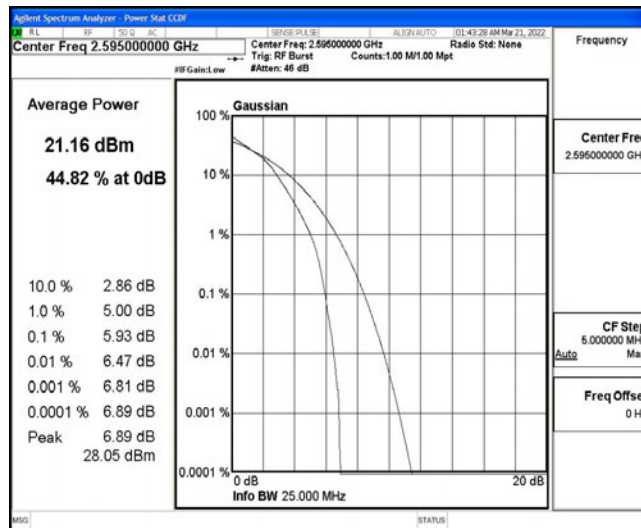


Band38-10MHz-16QAM-38000-1RB#0

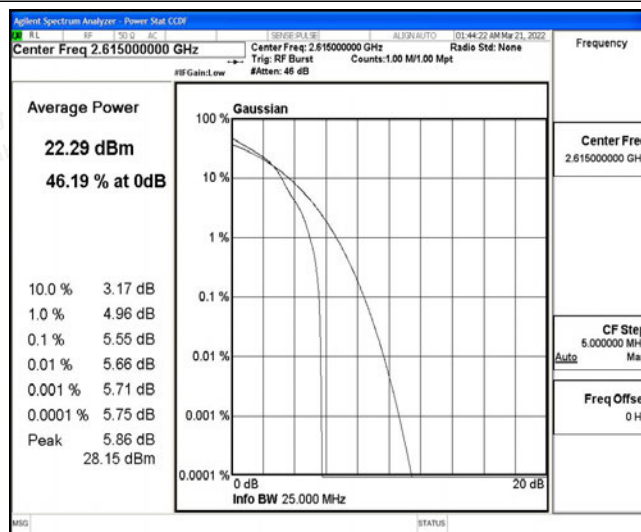




Band38-10MHz-16QAM-38000-50RB#0

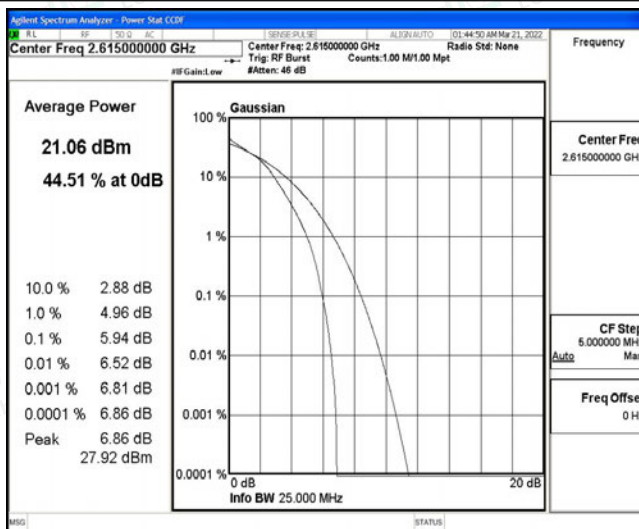


Band38-10MHz-16QAM-38200-1RB#0

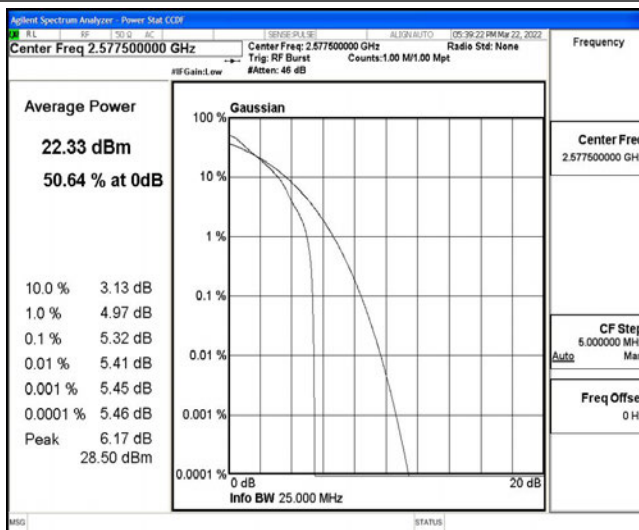


Band38-10MHz-16QAM-38200-50RB#0

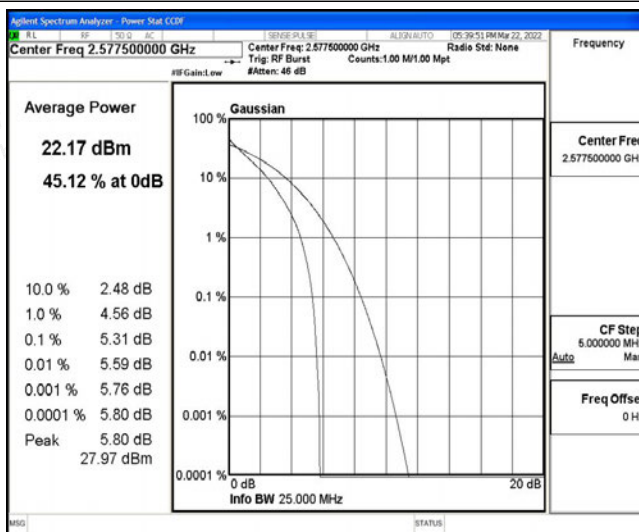




Band38-15MHz-QPSK-37825-1RB#0

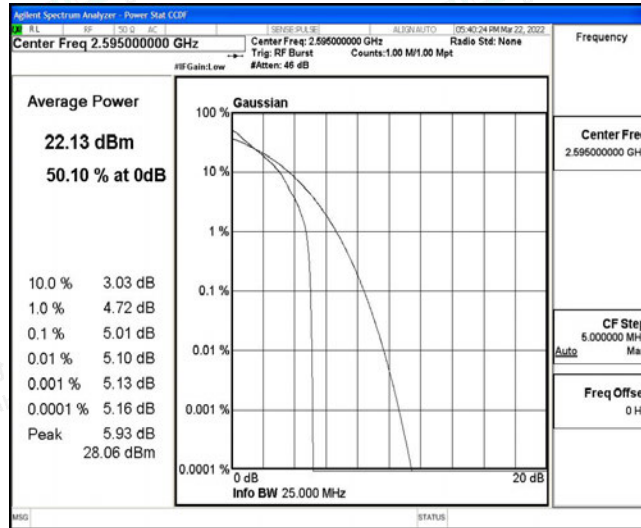


Band38-15MHz-QPSK-37825-75RB#0

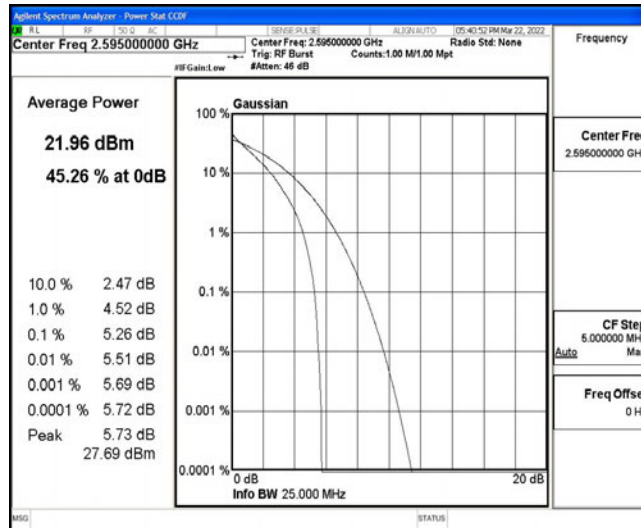


Band38-15MHz-QPSK-38000-1RB#0

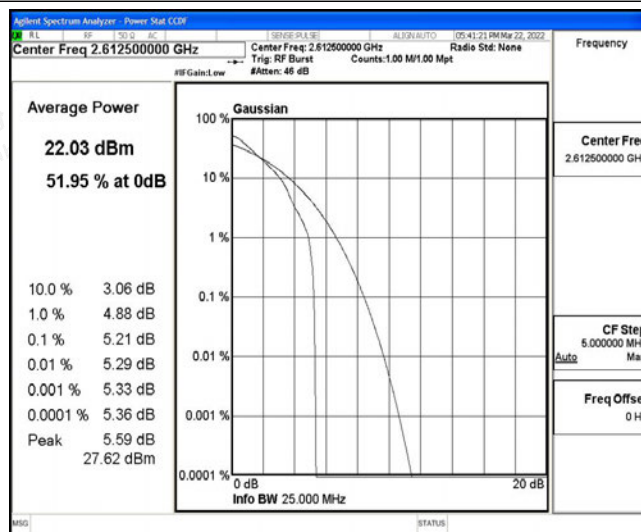




Band38-15MHz-QPSK-38000-75RB#0

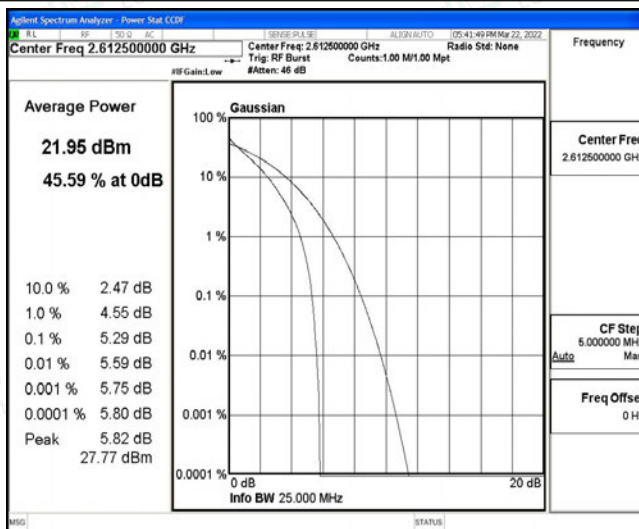


Band38-15MHz-QPSK-38175-1RB#0

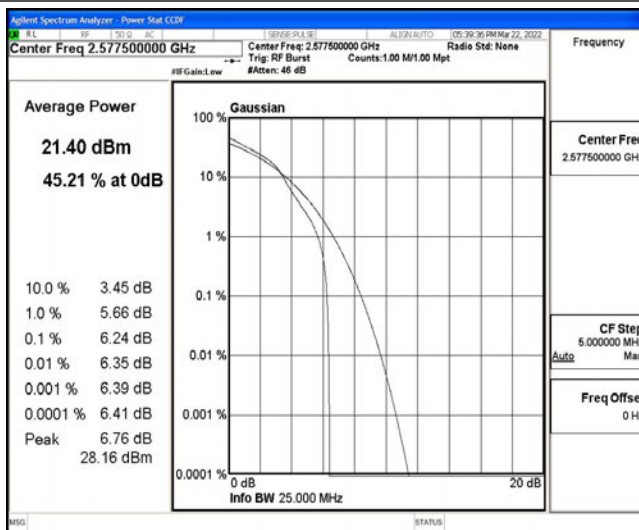


Band38-15MHz-QPSK-38175-75RB#0

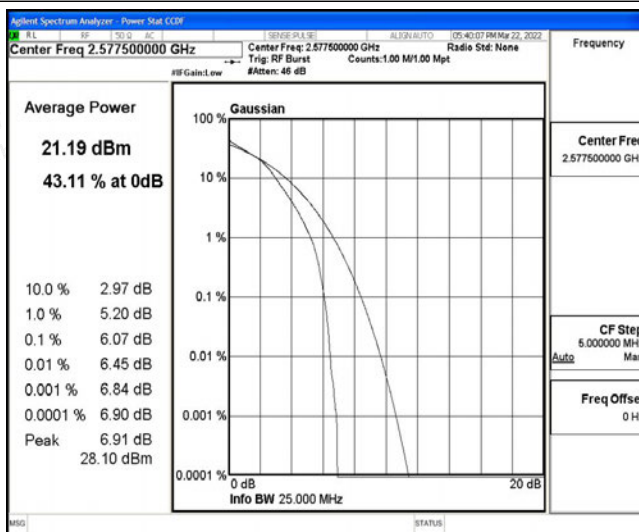




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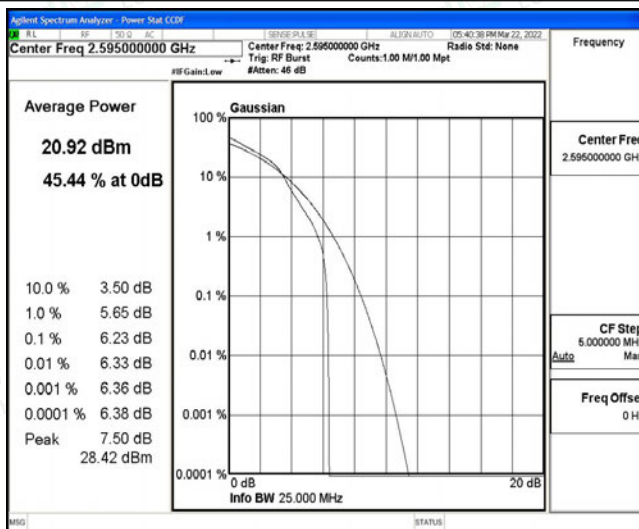


Band38-15MHz-16QAM-37825-75RB#0

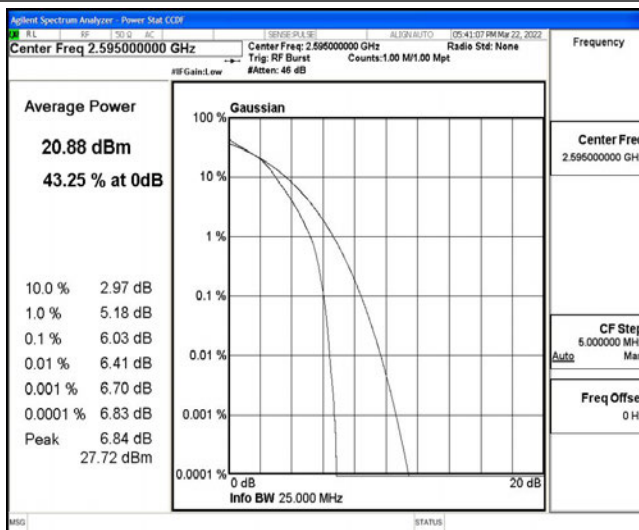


Band38-15MHz-16QAM-38000-1RB#0

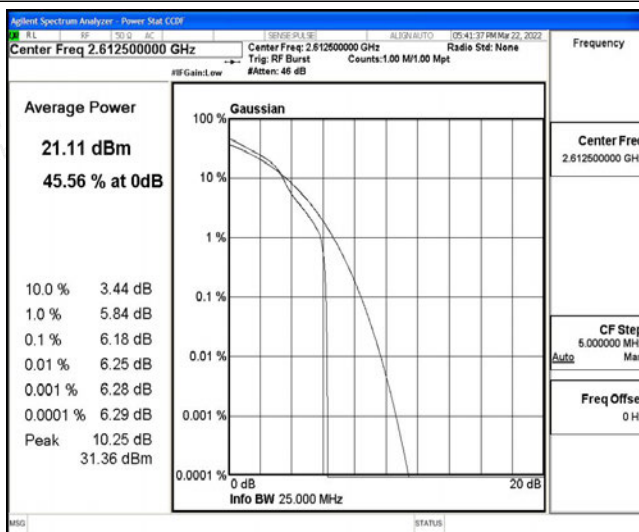




Band38-15MHz-16QAM-38000-75RB#0

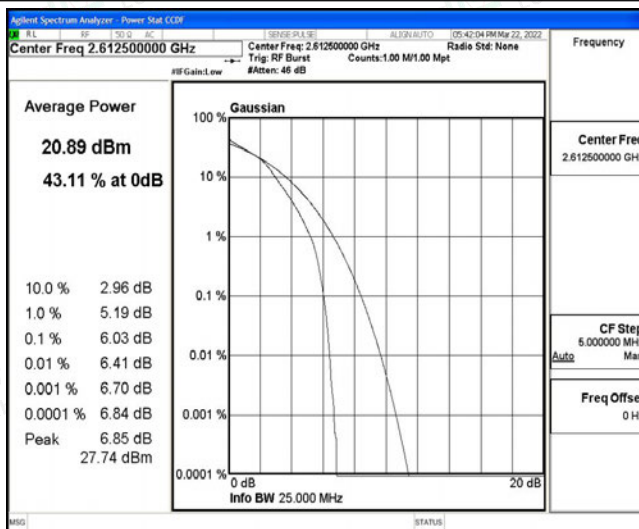


Band38-15MHz-16QAM-38175-1RB#0

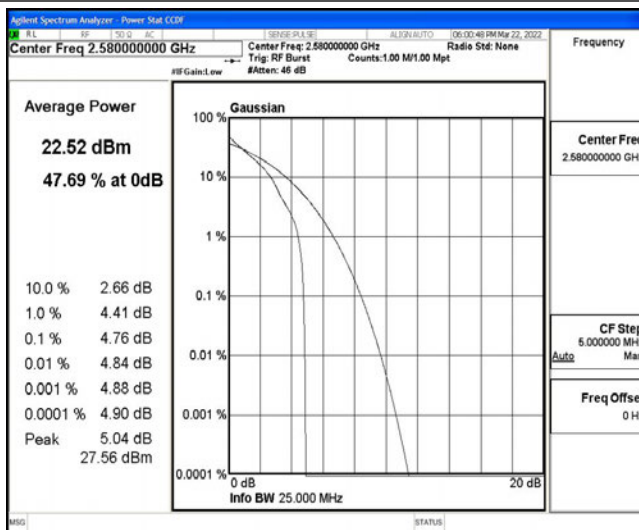


Band38-15MHz-16QAM-38175-75RB#0

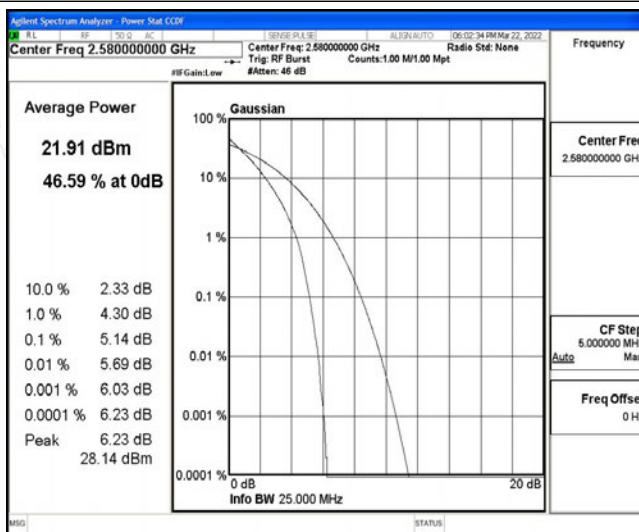




Band38-20MHz-QPSK-37850-1RB#0

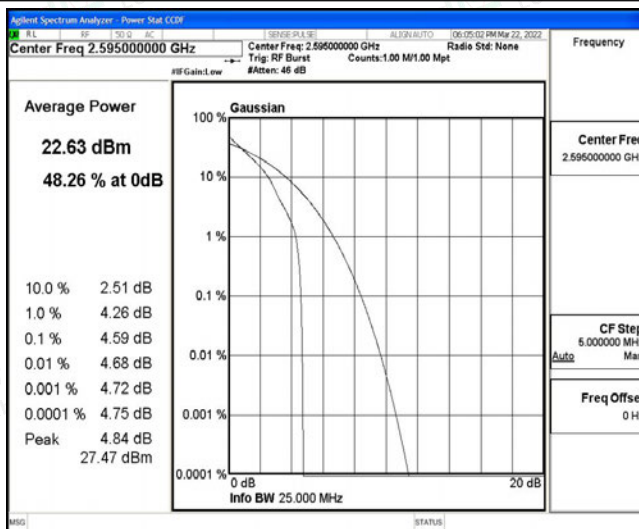


Band38-20MHz-QPSK-37850-100RB#0

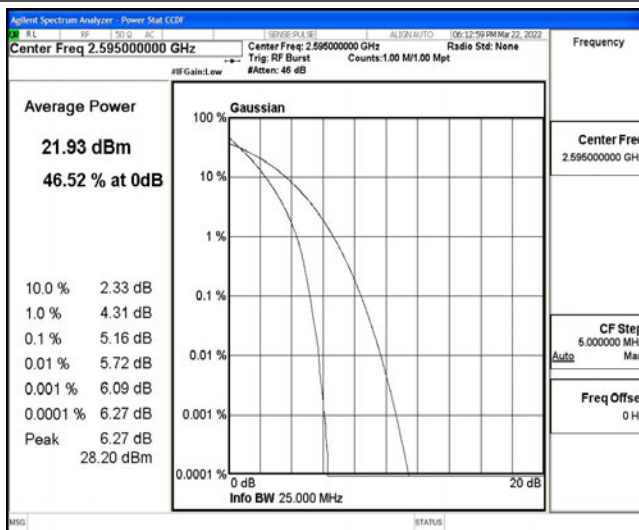


Band38-20MHz-QPSK-38000-1RB#0

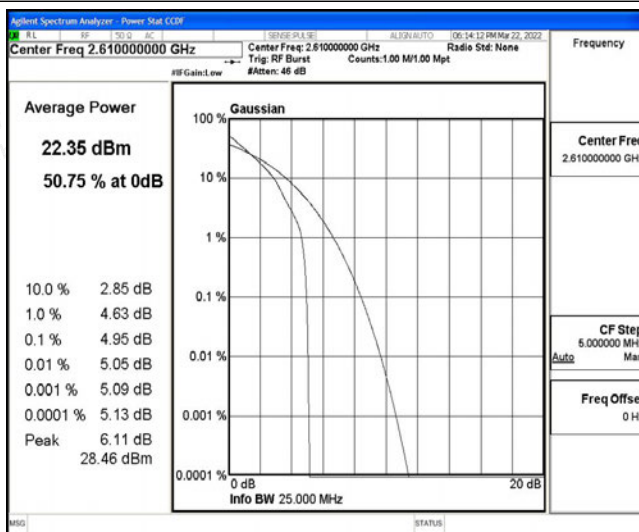




Band38-20MHz-QPSK-38000-100RB#0

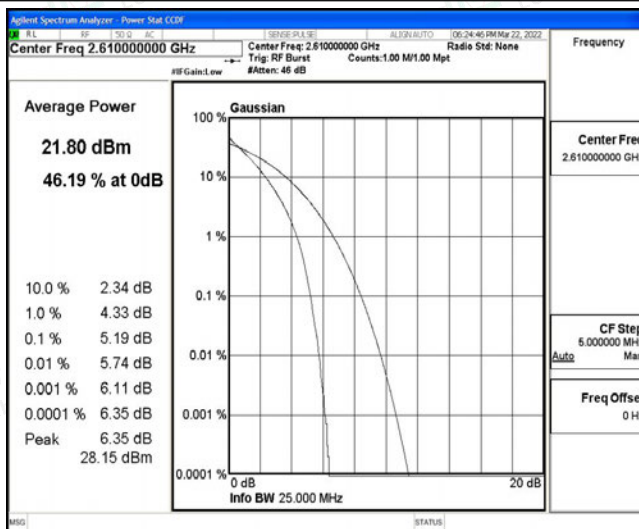


Band38-20MHz-QPSK-38150-1RB#0

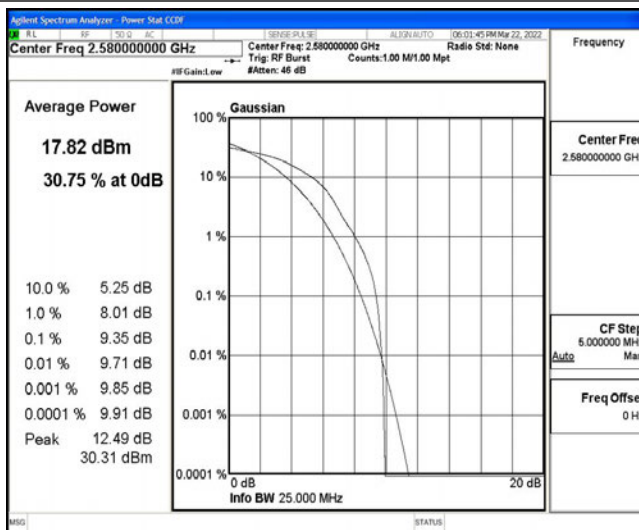


Band38-20MHz-QPSK-38150-100RB#0

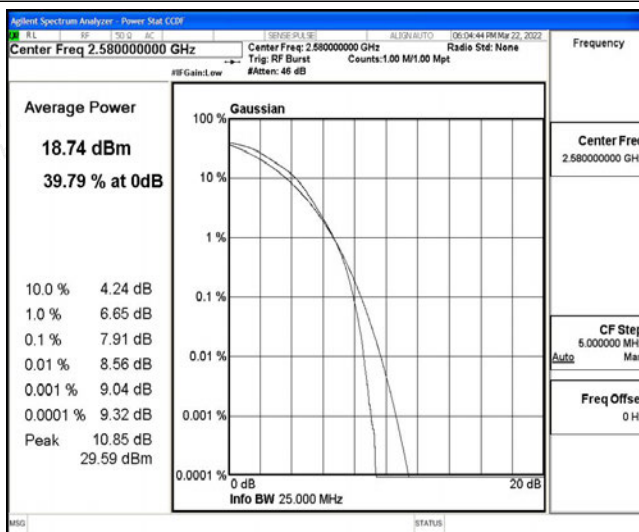




Band38-20MHz-16QAM-37850-1RB#0

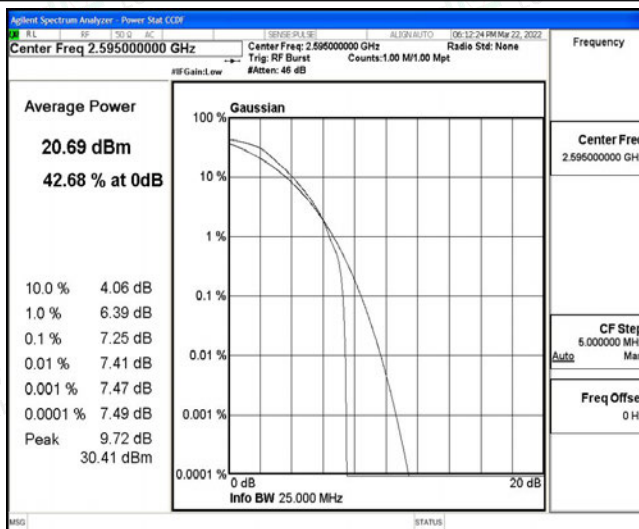


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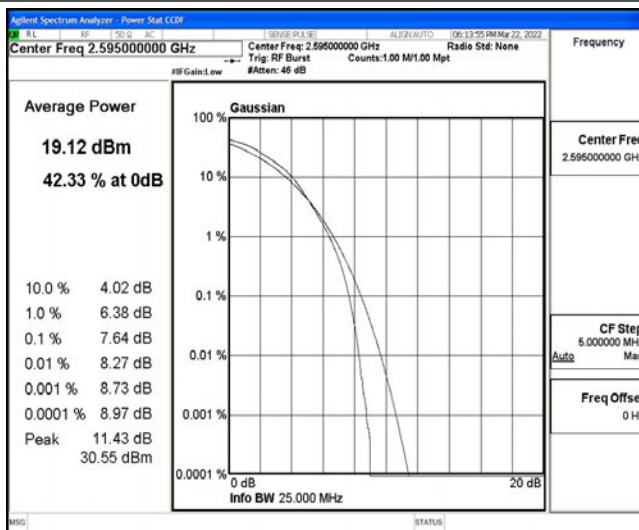


Band38-20MHz-16QAM-38000-1RB#0

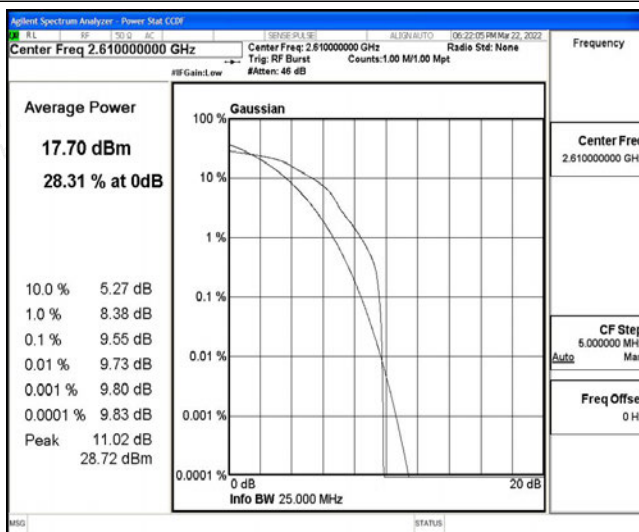




Band38-20MHz-16QAM-38000-100RB#0

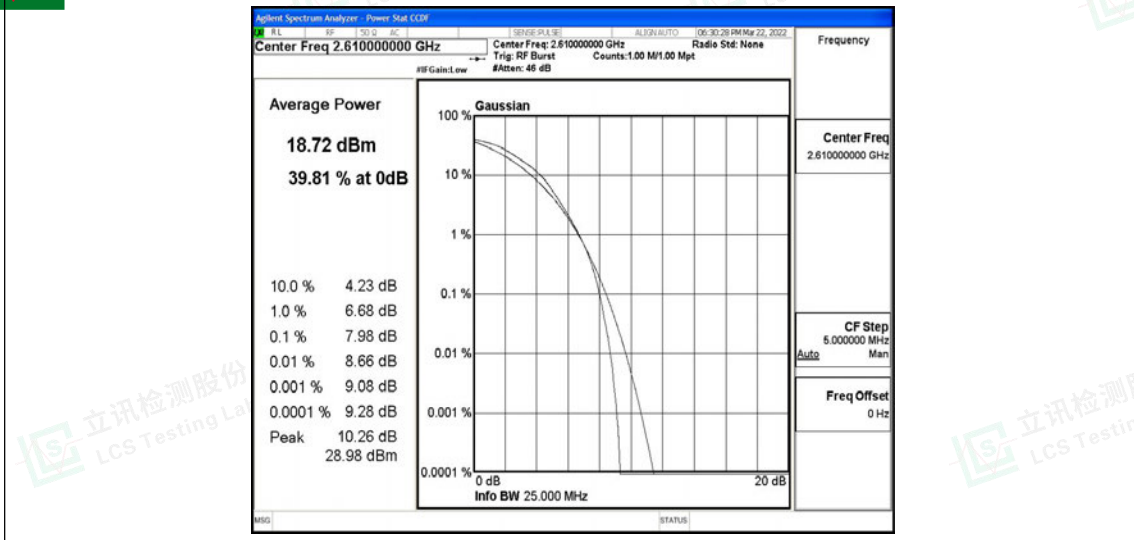


Band38-20MHz-16QAM-38150-1RB#0



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







E.3 26dB Bandwidth and Occupied Bandwidth

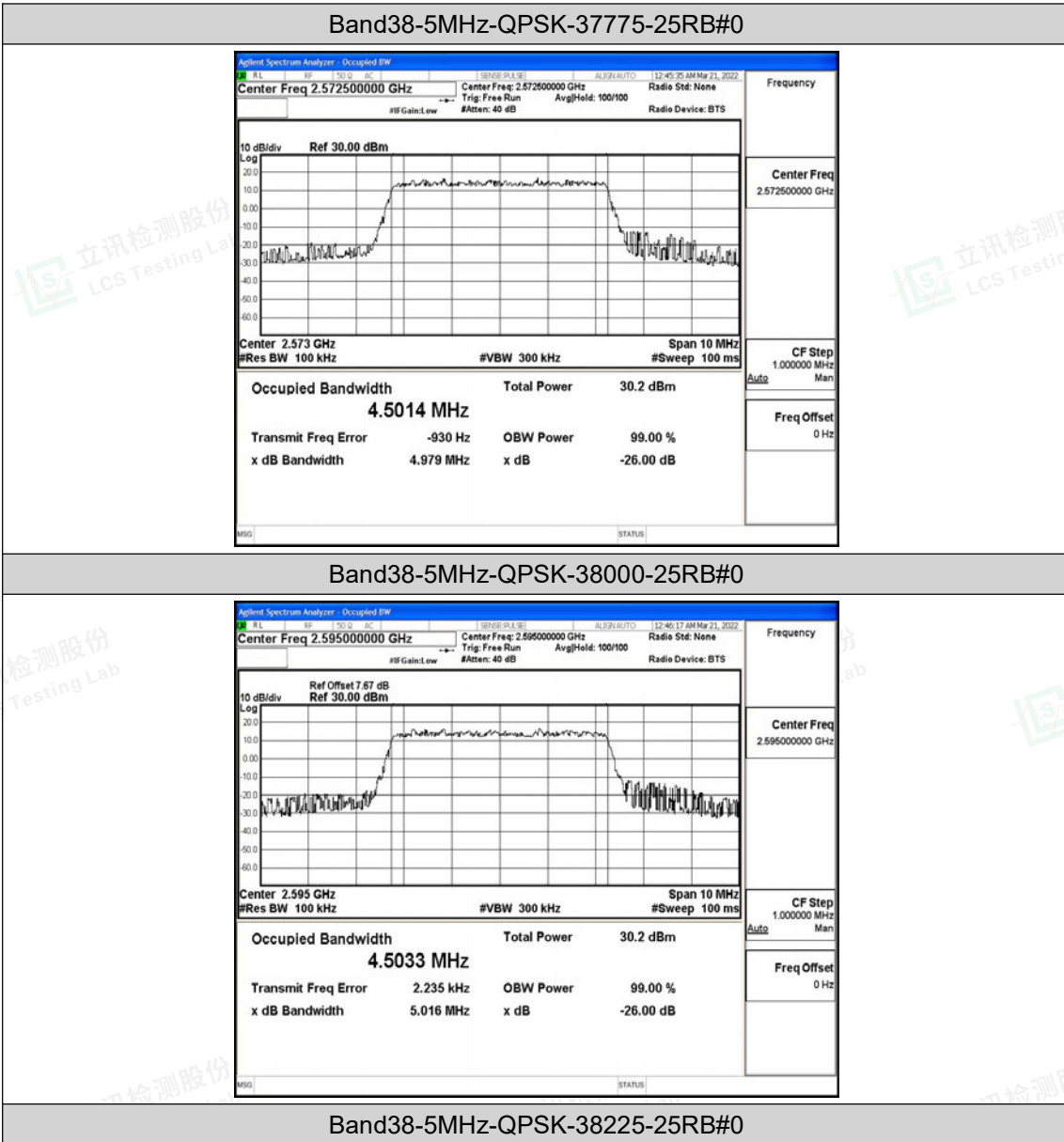
Test Result

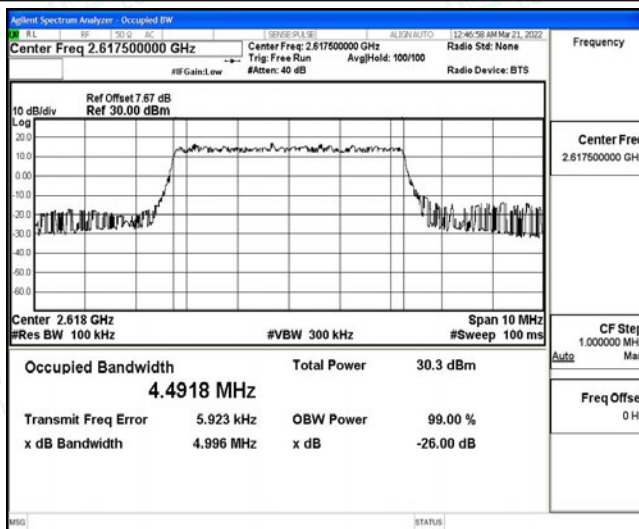
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5014	4.979	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5033	5.016	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4918	4.996	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4933	5.034	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5014	5.091	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4875	4.966	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9908	10.45	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9728	10.71	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9739	10.67	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9502	9.981	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9651	10.24	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9778	9.785	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.456	15.96	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.462	15.92	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.494	16.53	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.424	16.36	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.479	16.57	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.464	16.17	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.926	19.18	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.917	19.52	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.906	19.38	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.918	19.39	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.876	19.32	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.759	19.55	PASS



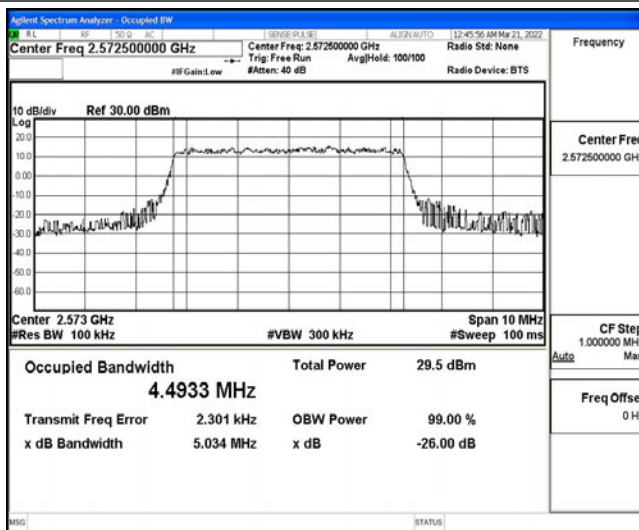


Test Graphs

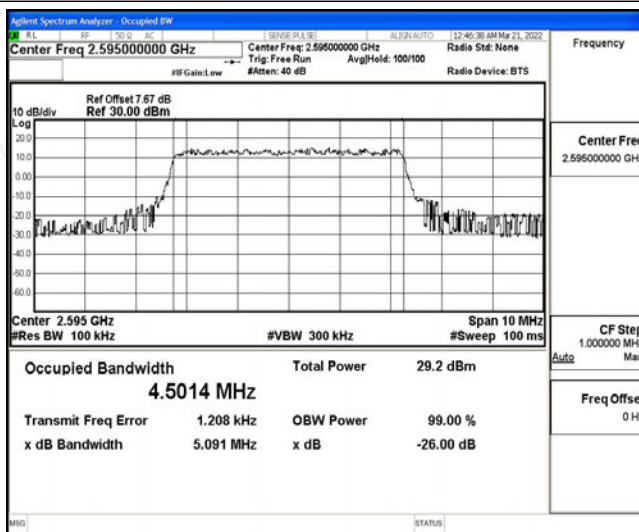




Band38-5MHz-16QAM-37775-25RB#0

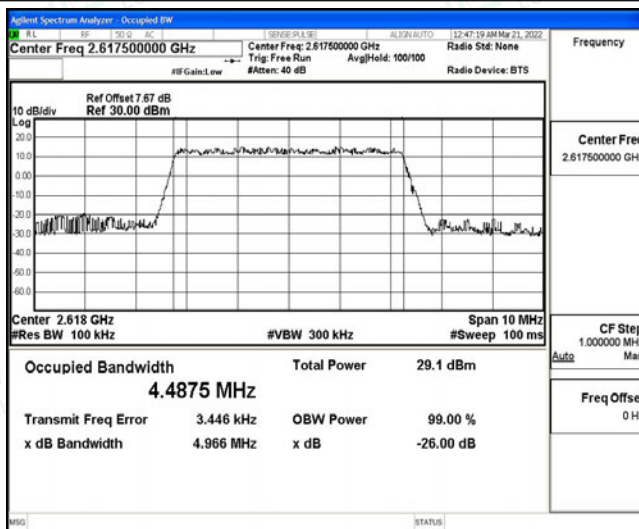


Band38-5MHz-16QAM-38000-25RB#0

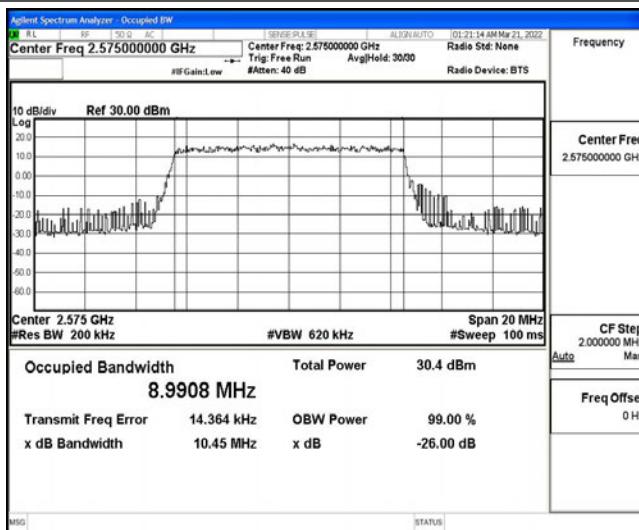


Band38-5MHz-16QAM-38225-25RB#0

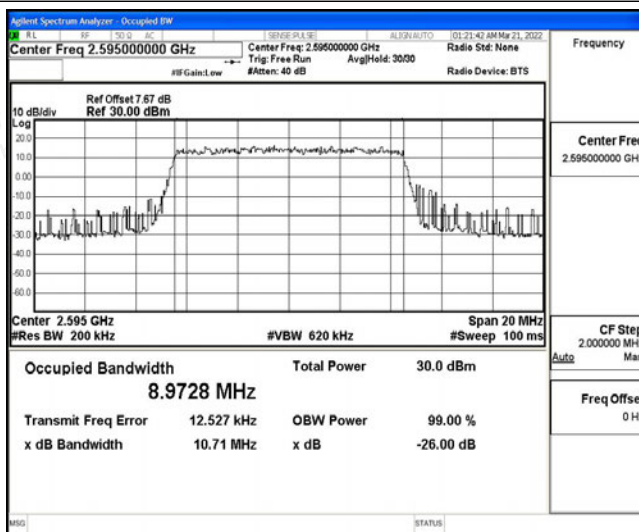




Band38-10MHz-QPSK-37800-50RB#0

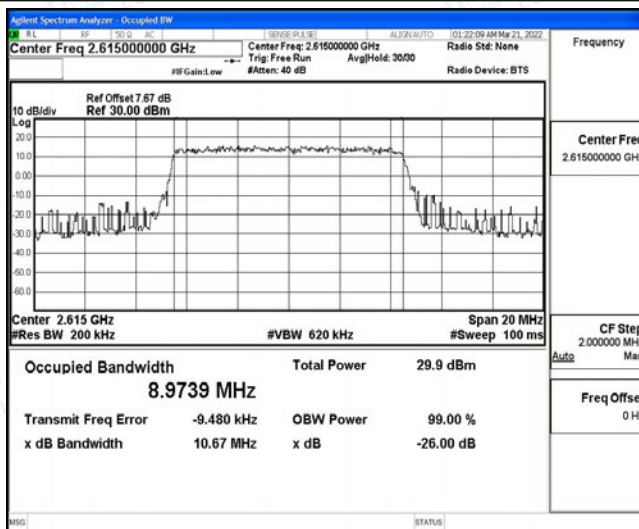


Band38-10MHz-QPSK-38000-50RB#0



Band38-10MHz-QPSK-38200-50RB#0

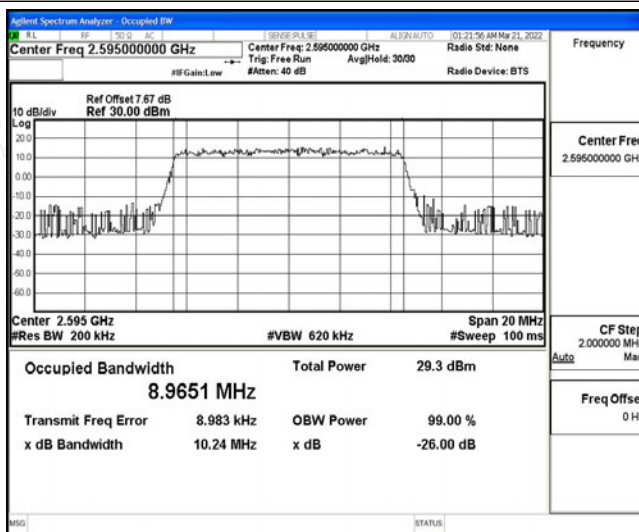




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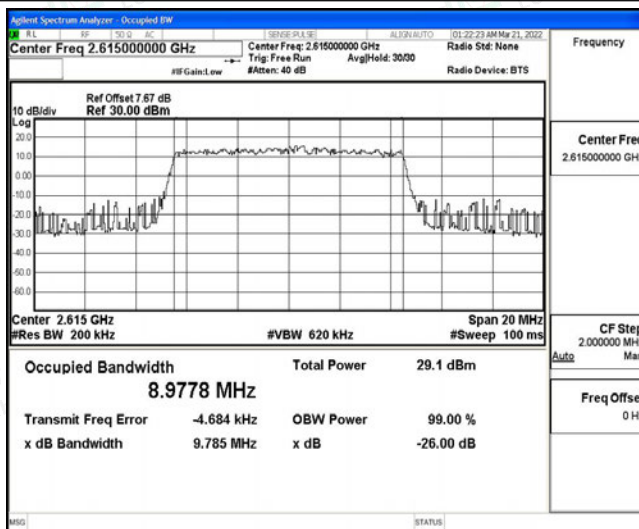


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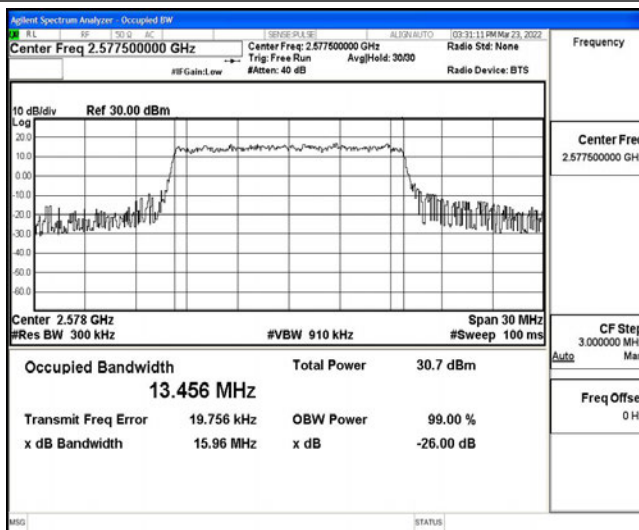


Band38-10MHz-16QAM-38200-50RB#0

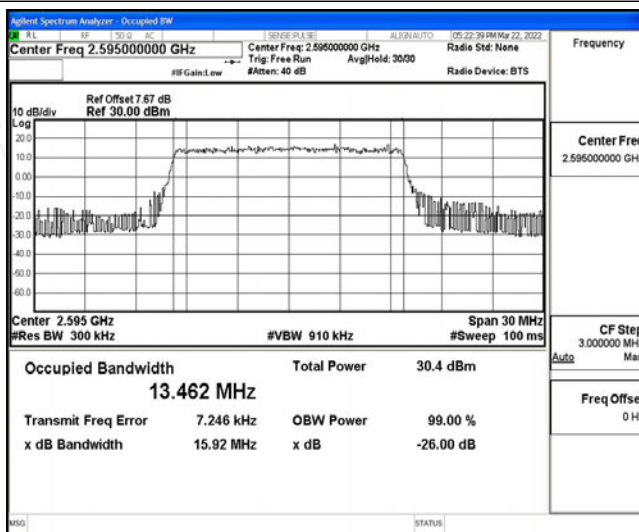




Band38-15MHz-QPSK-37825-75RB#0

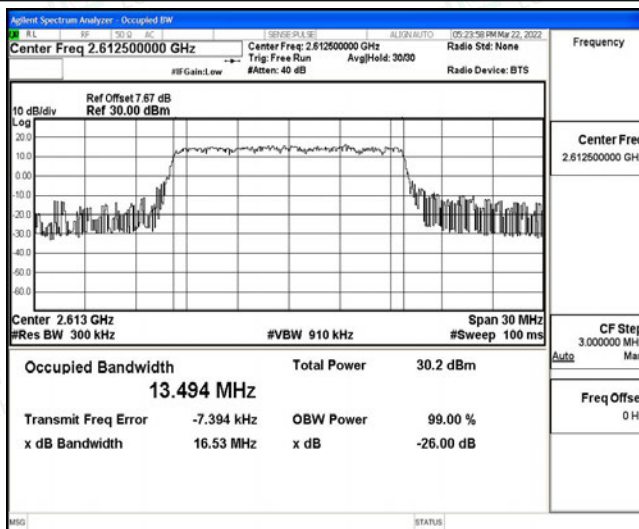


Band38-15MHz-QPSK-38000-75RB#0

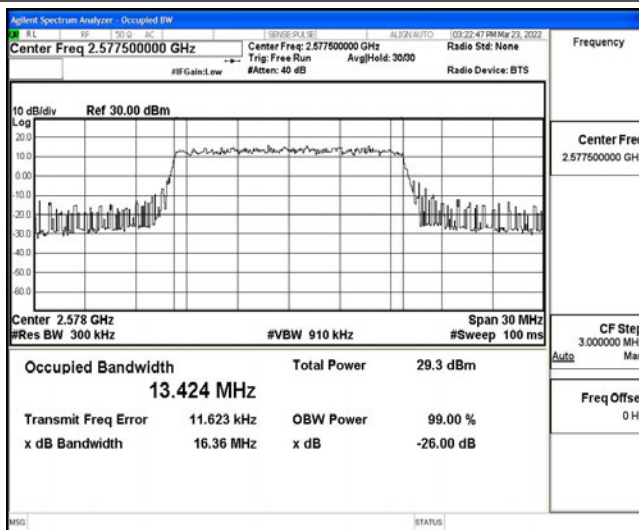


Band38-15MHz-QPSK-38175-75RB#0

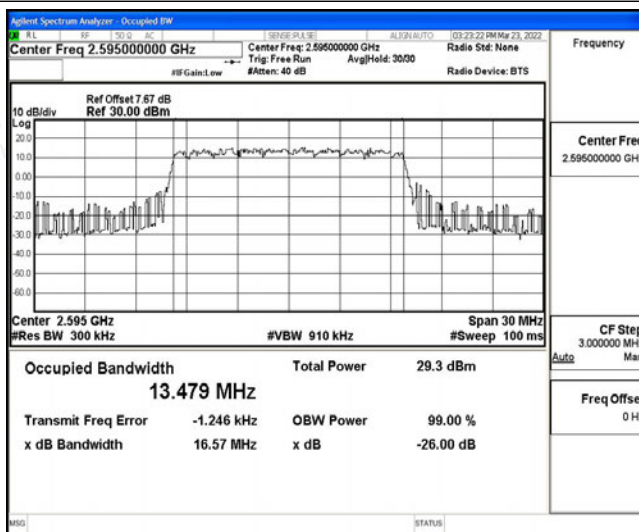




Band38-15MHz-16QAM-37825-75RB#0

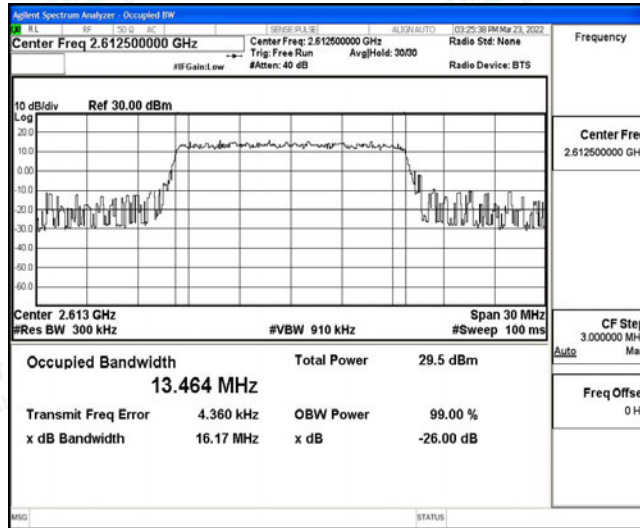


Band38-15MHz-16QAM-38000-75RB#0

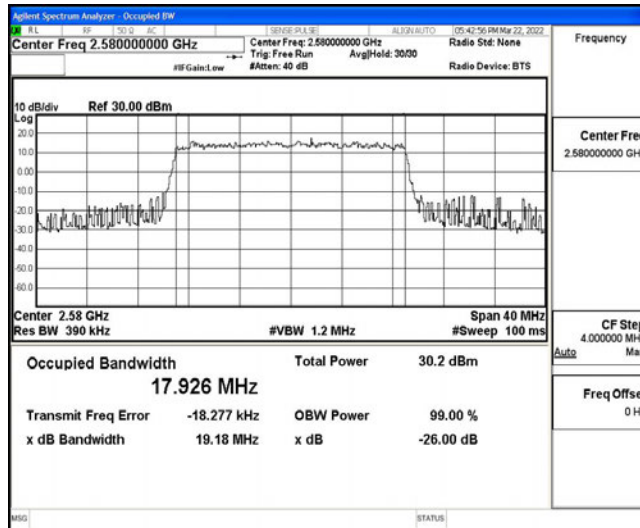


Band38-15MHz-16QAM-38175-75RB#0

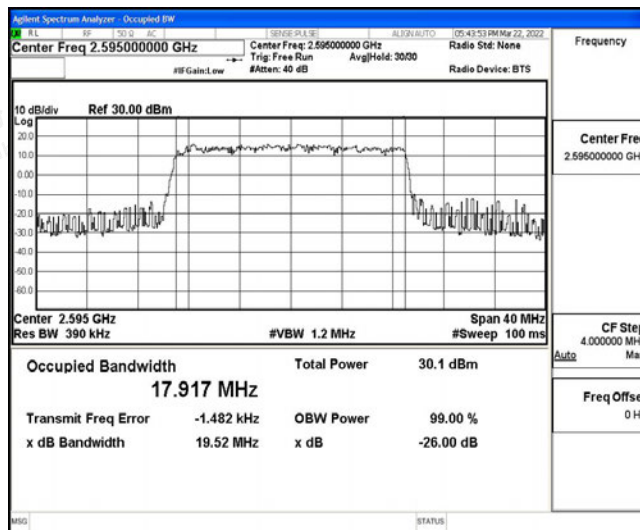




Band38-20MHz-QPSK-37850-100RB#0

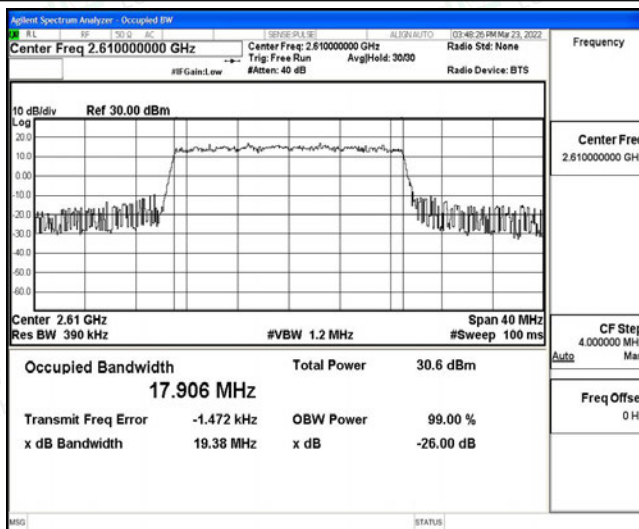


Band38-20MHz-QPSK-38000-100RB#0

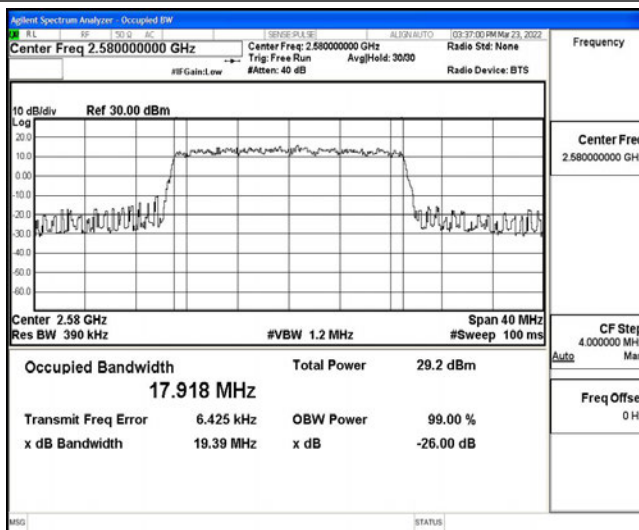


Band38-20MHz-QPSK-38150-100RB#0

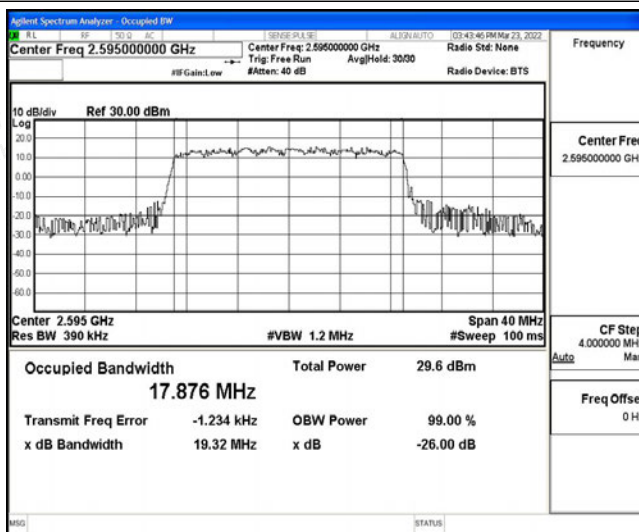




Band38-20MHz-16QAM-37850-100RB#0

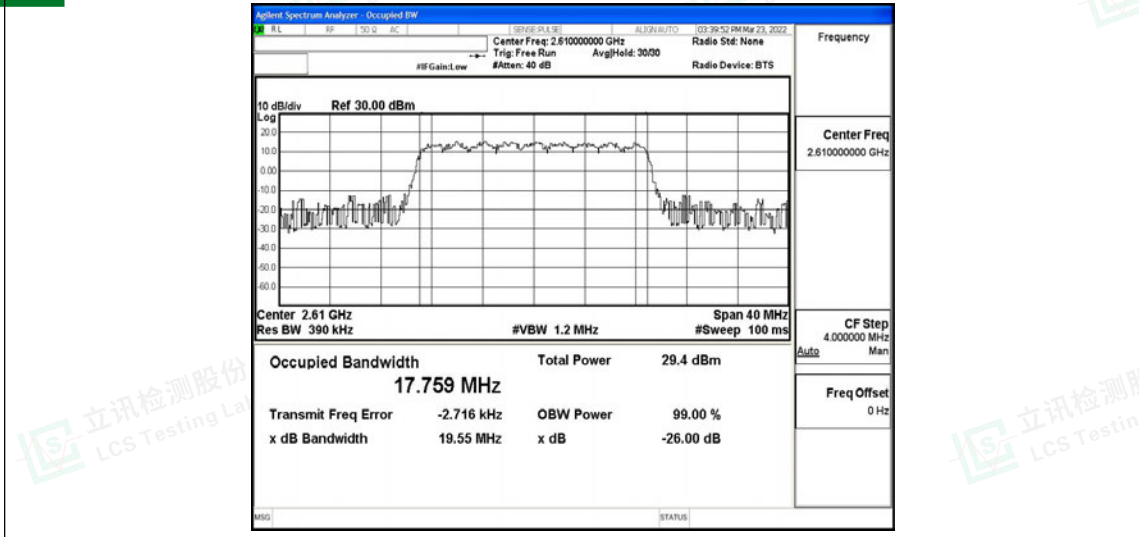


Band38-20MHz-16QAM-38000-100RB#0



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





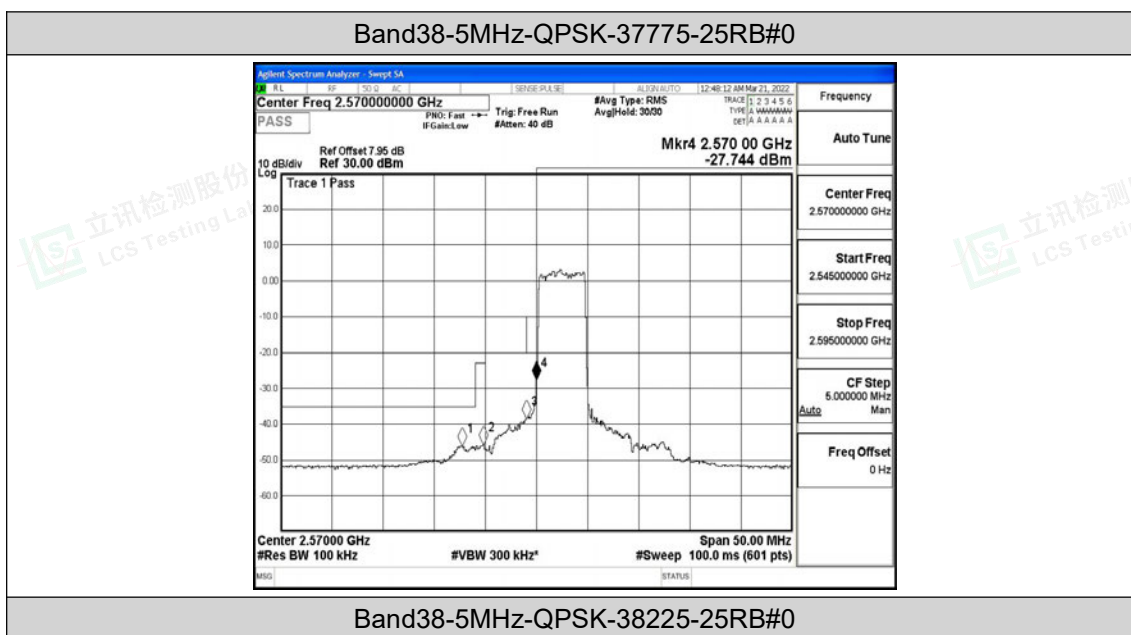


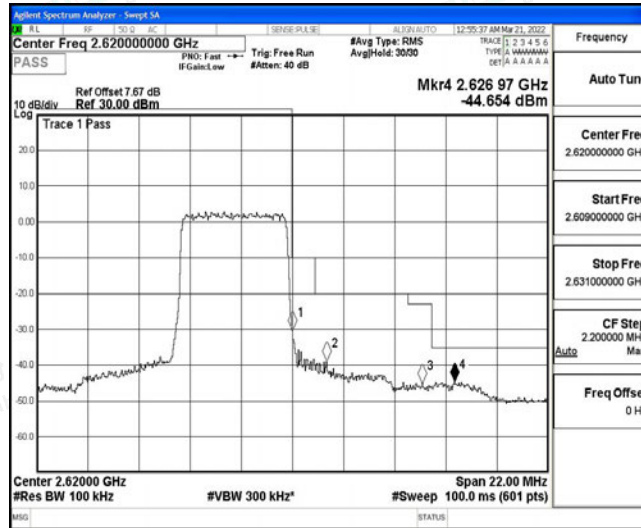
E.4 Band Edge

Test Result

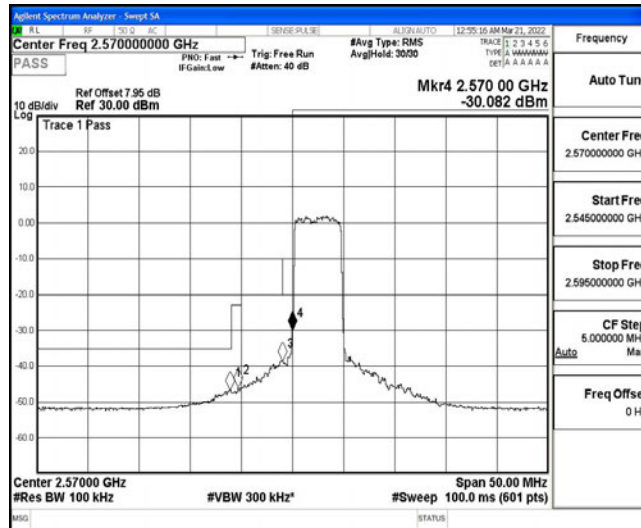
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	-46.15,-45.77,-38.65,-27.74	PASS
Band38	5MHz	QPSK	38225	25RB#0	-30.31,-38.80,-44.96,-44.65	PASS
Band38	5MHz	16QAM	37775	25RB#0	-46.75,-46.04,-38.54,-30.08	PASS
Band38	5MHz	16QAM	38225	25RB#0	-31.05,-39.02,-44.37,-44.96	PASS
Band38	10MHz	QPSK	37800	50RB#0	-44.15,-41.90,-38.14,-31.41	PASS
Band38	10MHz	QPSK	38200	50RB#0	-31.15,-37.12,-40.02,-43.45	PASS
Band38	10MHz	16QAM	37800	50RB#0	-45.17,-41.19,-38.47,-34.34	PASS
Band38	10MHz	16QAM	38200	50RB#0	-33.13,-38.21,-40.72,-43.01	PASS
Band38	15MHz	QPSK	37825	75RB#0	-42.57,-39.76,-35.82,-31.61	PASS
Band38	15MHz	QPSK	38175	75RB#0	-33.10,-35.93,-39.48,-42.08	PASS
Band38	15MHz	16QAM	37825	75RB#0	-46.61,-39.53,-36.11,-34.32	PASS
Band38	15MHz	16QAM	38175	75RB#0	-31.89,-35.95,-39.24,-42.38	PASS
Band38	20MHz	QPSK	37850	100RB#0	-43.88,-38.81,-37.44,-35.37	PASS
Band38	20MHz	QPSK	38150	100RB#0	-36.42,-37.28,-39.30,-42.99	PASS
Band38	20MHz	16QAM	37850	100RB#0	-43.32,-39.44,-37.53,-36.75	PASS
Band38	20MHz	16QAM	38150	100RB#0	-36.22,-38.22,-38.80,-45.43	PASS

Test Graphs

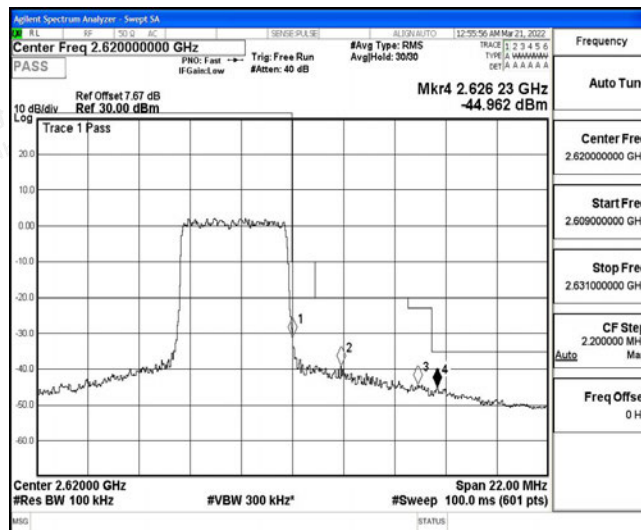




Band38-5MHz-16QAM-37775-25RB#0

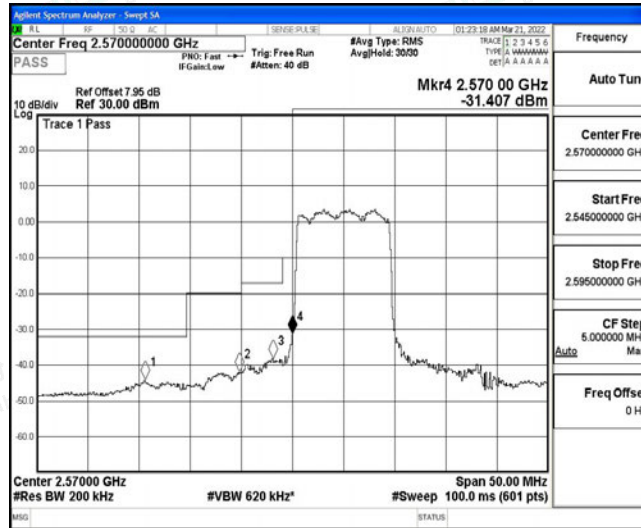


Band38-5MHz-16QAM-38225-25RB#0

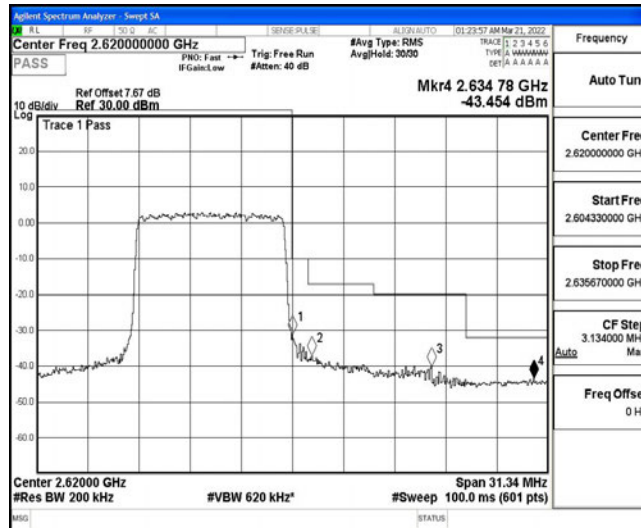


Band38-10MHz-QPSK-37800-50RB#0

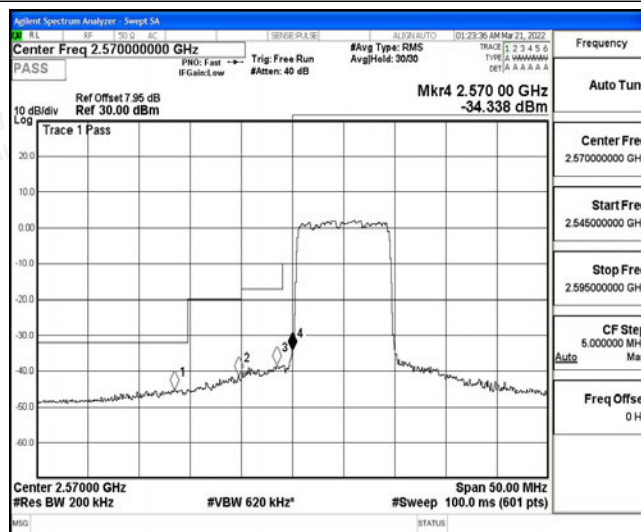




Band38-10MHz-QPSK-38200-50RB#0

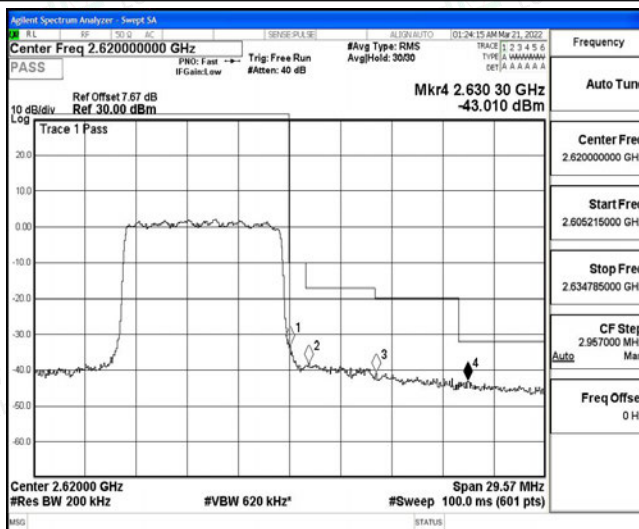


Band38-10MHz-16QAM-37800-50RB#0



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

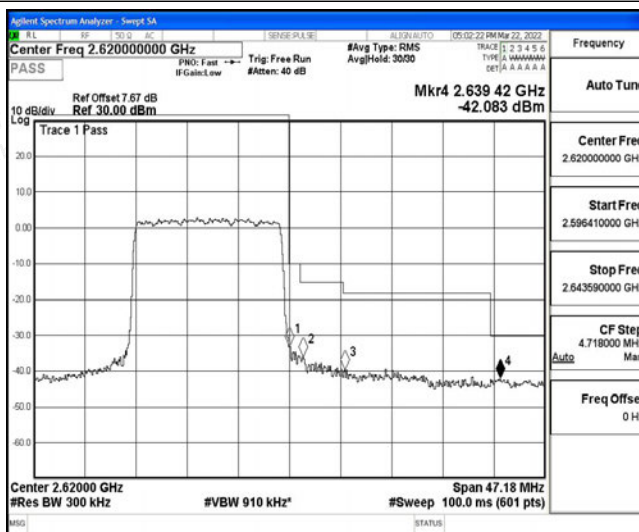




Band38-15MHz-QPSK-37825-75RB#0

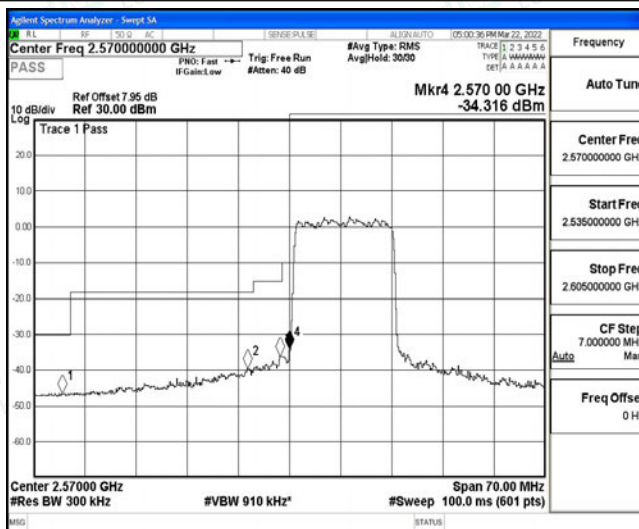


Band38-15MHz-QPSK-38175-75RB#0

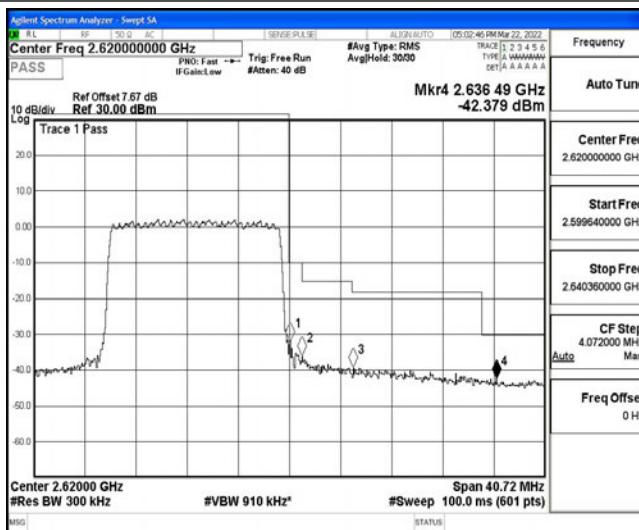


Band38-15MHz-16QAM-37825-75RB#0

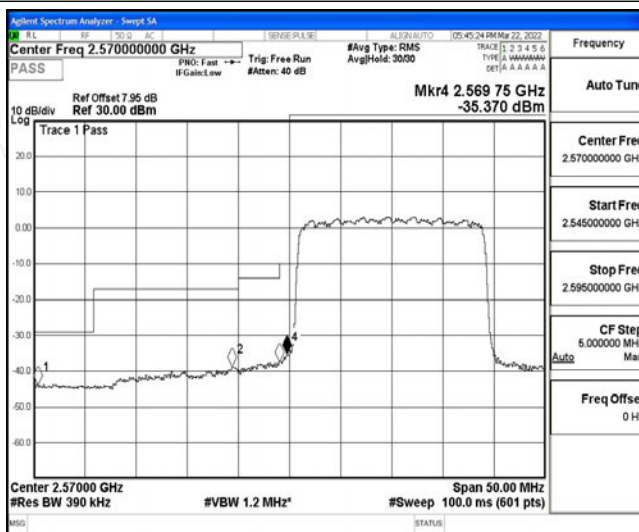




Band38-15MHz-16QAM-38175-75RB#0

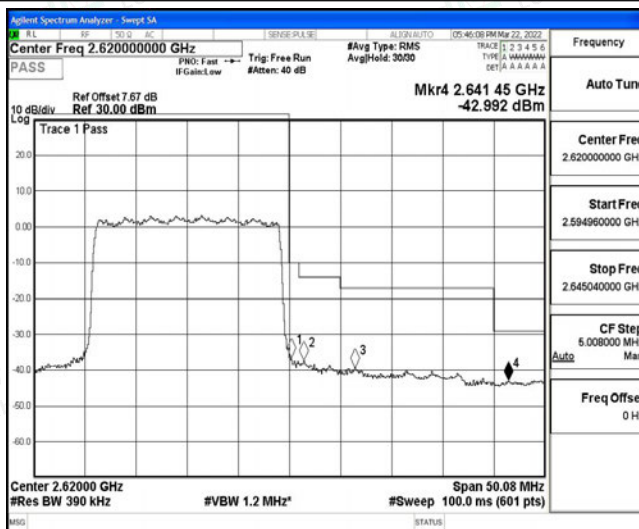


Band38-20MHz-QPSK-37850-100RB#0

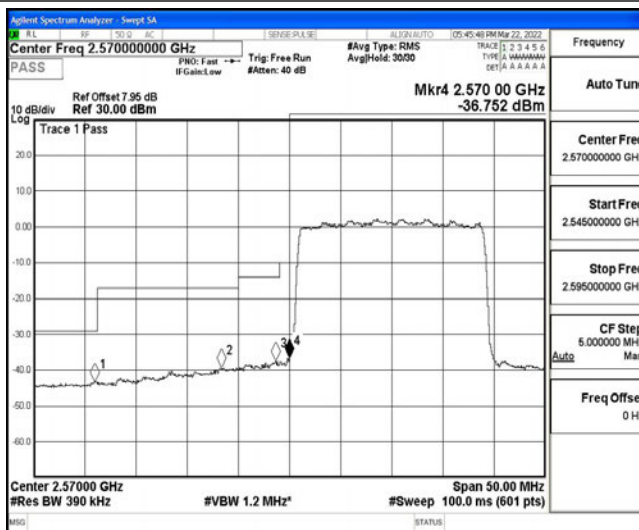


Band38-20MHz-QPSK-38150-100RB#0

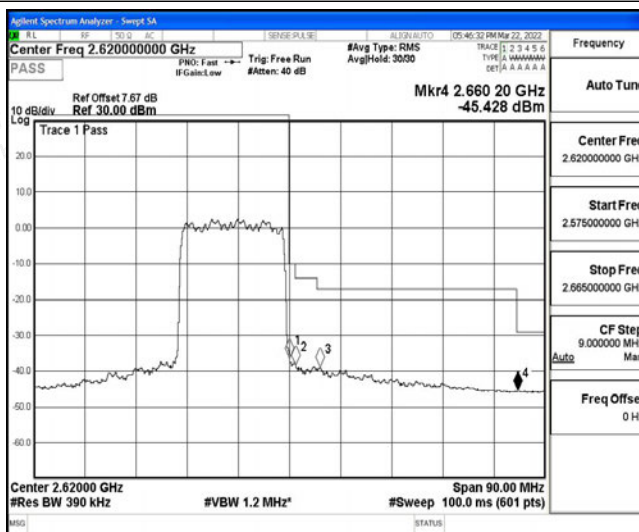




Band38-20MHz-16QAM-37850-100RB#0



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





E.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	Range1:0.009~0.15MHz	-64.41	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range2:0.15~30MHz	-50.97	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range3:30~1000MHz	-41.51	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range4:1000~10000MHz	-44.79	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range5:10000~20000MHz	-49.13	PASS
Band38	5MHz	QPSK	37775	1RB#0	Range6:20000~26500MHz	-36.76	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-65.76	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-53.29	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-42.69	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.04	PASS
Band38	5MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.02	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range1:0.009~0.15MHz	-66.03	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range2:0.15~30MHz	-51.89	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range3:30~1000MHz	-41.52	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range4:1000~10000MHz	-44.84	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range5:10000~20000MHz	-49.07	PASS
Band38	5MHz	QPSK	38225	1RB#0	Range6:20000~26500MHz	-36.86	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range1:0.009~0.15MHz	-63.85	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range2:0.15~30MHz	-51.17	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range3:30~1000MHz	-41.94	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range4:1000~10000MHz	-44.84	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range5:10000~20000MHz	-49.13	PASS
Band38	5MHz	16QAM	37775	1RB#0	Range6:20000~26500MHz	-37.08	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-65.03	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-50.29	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-42.36	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.01	PASS
Band38	5MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-36.9	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range1:0.009~0.15MHz	-66.28	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range2:0.15~30MHz	-51.92	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range3:30~1000MHz	-42.32	PASS



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Band38	5MHz	16QAM	38225	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range5:10000~20000MHz	-49.06	PASS
Band38	5MHz	16QAM	38225	1RB#0	Range6:20000~26500MHz	-36.92	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range1:0.009~0.15MHz	-65.98	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range2:0.15~30MHz	-50.95	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range3:30~1000MHz	-41.35	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range5:10000~20000MHz	-49.18	PASS
Band38	10MHz	QPSK	37800	1RB#0	Range6:20000~26500MHz	-36.88	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-65.69	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-49.51	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-42.13	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.23	PASS
Band38	10MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-36.93	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range1:0.009~0.15MHz	-65.92	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range2:0.15~30MHz	-51.58	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range3:30~1000MHz	-41.57	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range5:10000~20000MHz	-49.28	PASS
Band38	10MHz	QPSK	38200	1RB#0	Range6:20000~26500MHz	-36.97	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range1:0.009~0.15MHz	-65.62	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range2:0.15~30MHz	-52.47	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range3:30~1000MHz	-42.02	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range4:1000~10000MHz	-44.66	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range5:10000~20000MHz	-49.17	PASS
Band38	10MHz	16QAM	37800	1RB#0	Range6:20000~26500MHz	-36.93	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-66.2	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-52.15	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-42.39	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.08	PASS
Band38	10MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-36.85	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range1:0.009~0.15MHz	-64.04	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range2:0.15~30MHz	-50.73	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range3:30~1000MHz	-42.1	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range5:10000~20000MHz	-49.15	PASS
Band38	10MHz	16QAM	38200	1RB#0	Range6:20000~26500MHz	-36.88	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range1:0.009~0.15MHz	-65.36	PASS



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Band38	15MHz	QPSK	37825	1RB#0	Range2:0.15~30MHz	-49.66	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range3:30~1000MHz	-42.15	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range5:10000~20000MHz	-49.14	PASS
Band38	15MHz	QPSK	37825	1RB#0	Range6:20000~26500MHz	-37.02	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-66.19	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-52.38	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-41.97	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.22	PASS
Band38	15MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.14	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range1:0.009~0.15MHz	-65.75	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range2:0.15~30MHz	-51.32	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range3:30~1000MHz	-40.26	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range4:1000~10000MHz	-44.89	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range5:10000~20000MHz	-49.09	PASS
Band38	15MHz	QPSK	38175	1RB#0	Range6:20000~26500MHz	-37.06	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range1:0.009~0.15MHz	-66.19	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range2:0.15~30MHz	-50.71	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range3:30~1000MHz	-41.64	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range5:10000~20000MHz	-49.2	PASS
Band38	15MHz	16QAM	37825	1RB#0	Range6:20000~26500MHz	-37.03	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-66.04	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-50.55	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-41.81	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.07	PASS
Band38	15MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-36.89	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range1:0.009~0.15MHz	-64.28	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range2:0.15~30MHz	-49.51	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range5:10000~20000MHz	-49.15	PASS
Band38	15MHz	16QAM	38175	1RB#0	Range6:20000~26500MHz	-37.03	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range1:0.009~0.15MHz	-65.72	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range2:0.15~30MHz	-50.7	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range3:30~1000MHz	-41.59	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band38	20MHz	QPSK	37850	1RB#0	Range5:10000~20000MHz	-49.06	PASS



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Scan code to check authenticity

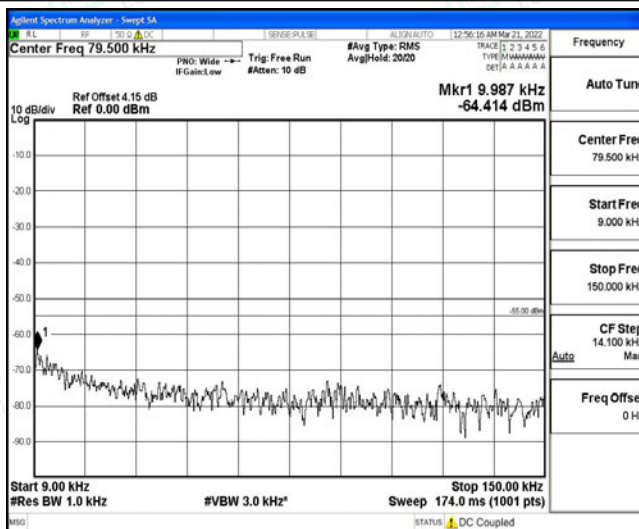


Band38	20MHz	QPSK	37850	1RB#0	Range6:20000~26500MHz	-37.07	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range1:0.009~0.15MHz	-67.36	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range2:0.15~30MHz	-51.81	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range3:30~1000MHz	-42.9	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range4:1000~10000MHz	-44.83	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range5:10000~20000MHz	-49.31	PASS
Band38	20MHz	QPSK	38000	1RB#0	Range6:20000~26500MHz	-37.02	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range1:0.009~0.15MHz	-64.47	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range2:0.15~30MHz	-51.46	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range3:30~1000MHz	-41.28	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range5:10000~20000MHz	-48.94	PASS
Band38	20MHz	QPSK	38150	1RB#0	Range6:20000~26500MHz	-37.06	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range1:0.009~0.15MHz	-66.04	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range2:0.15~30MHz	-50.43	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range3:30~1000MHz	-41.12	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range5:10000~20000MHz	-49.2	PASS
Band38	20MHz	16QAM	37850	1RB#0	Range6:20000~26500MHz	-36.94	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range1:0.009~0.15MHz	-65.27	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range2:0.15~30MHz	-51.27	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range3:30~1000MHz	-42	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range5:10000~20000MHz	-49.18	PASS
Band38	20MHz	16QAM	38000	1RB#0	Range6:20000~26500MHz	-36.9	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range1:0.009~0.15MHz	-64.64	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range2:0.15~30MHz	-50.76	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range3:30~1000MHz	-41.78	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range4:1000~10000MHz	-44.87	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range5:10000~20000MHz	-49.26	PASS
Band38	20MHz	16QAM	38150	1RB#0	Range6:20000~26500MHz	-37.07	PASS

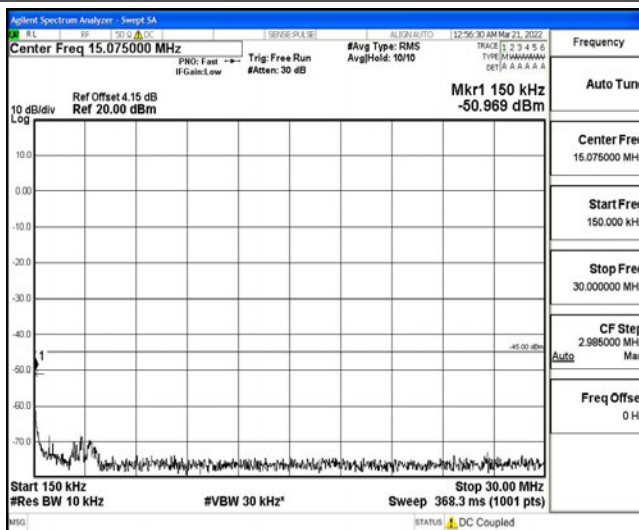
Test Graphs

Band38-5MHz-QPSK-37775-1RB#0-Range1:0.009~0.15MHz

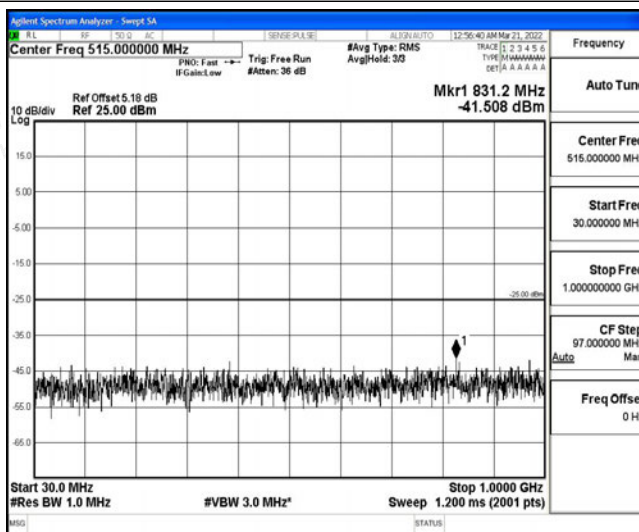




Band38-5MHz-QPSK-37775-1RB#0-Range2:0.15~30MHz



Band38-5MHz-QPSK-37775-1RB#0-Range3:30~1000MHz



Band38-5MHz-QPSK-37775-1RB#0-Range4:1000~10000MHz

