

LTE Band38 Test Data

General Description of EUT	
Product Name:	Smartphone
Test Model:	HiBreak
Sample ID:	HC-C-202406-0078-01-01-2#
Environmental Conditions	
Temperature:	23.8℃
Relative Humidity:	48%
Test Voltage:	DC 3.8V
Test Engineer:	ZKN ZHOU
Note: For a more detailed features description, please refer to the report TBR-C-202406-0078-35 . The report only show the worst case data.	

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1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	18.18	PASS
Band38	5MHz	QPSK	37775	1RB#12	18.35	PASS
Band38	5MHz	QPSK	37775	1RB#24	18.27	PASS
Band38	5MHz	QPSK	37775	12RB#0	17.45	PASS
Band38	5MHz	QPSK	37775	12RB#6	17.40	PASS
Band38	5MHz	QPSK	37775	12RB#13	17.45	PASS
Band38	5MHz	QPSK	37775	25RB#0	17.51	PASS
Band38	5MHz	QPSK	38000	1RB#0	18.72	PASS
Band38	5MHz	QPSK	38000	1RB#12	18.96	PASS
Band38	5MHz	QPSK	38000	1RB#24	18.82	PASS
Band38	5MHz	QPSK	38000	12RB#0	17.79	PASS
Band38	5MHz	QPSK	38000	12RB#6	17.79	PASS
Band38	5MHz	QPSK	38000	12RB#13	17.90	PASS
Band38	5MHz	QPSK	38000	25RB#0	17.87	PASS
Band38	5MHz	QPSK	38225	1RB#0	18.74	PASS
Band38	5MHz	QPSK	38225	1RB#12	18.85	PASS
Band38	5MHz	QPSK	38225	1RB#24	18.65	PASS
Band38	5MHz	QPSK	38225	12RB#0	17.93	PASS
Band38	5MHz	QPSK	38225	12RB#6	17.95	PASS
Band38	5MHz	QPSK	38225	12RB#13	17.85	PASS
Band38	5MHz	QPSK	38225	25RB#0	17.95	PASS
Band38	5MHz	16QAM	37775	1RB#0	17.66	PASS
Band38	5MHz	16QAM	37775	1RB#12	17.87	PASS
Band38	5MHz	16QAM	37775	1RB#24	17.78	PASS
Band38	5MHz	16QAM	37775	12RB#0	16.55	PASS
Band38	5MHz	16QAM	37775	12RB#6	16.56	PASS
Band38	5MHz	16QAM	37775	12RB#13	16.56	PASS
Band38	5MHz	16QAM	37775	25RB#0	16.65	PASS
Band38	5MHz	16QAM	38000	1RB#0	17.95	PASS
Band38	5MHz	16QAM	38000	1RB#12	18.17	PASS
Band38	5MHz	16QAM	38000	1RB#24	18.07	PASS
Band38	5MHz	16QAM	38000	12RB#0	16.79	PASS
Band38	5MHz	16QAM	38000	12RB#6	16.79	PASS
Band38	5MHz	16QAM	38000	12RB#13	16.87	PASS
Band38	5MHz	16QAM	38000	25RB#0	16.90	PASS
Band38	5MHz	16QAM	38225	1RB#0	18.17	PASS
Band38	5MHz	16QAM	38225	1RB#12	18.32	PASS
Band38	5MHz	16QAM	38225	1RB#24	18.18	PASS
Band38	5MHz	16QAM	38225	12RB#0	16.98	PASS

Band38	5MHz	16QAM	38225	12RB#6	16.99	PASS
Band38	5MHz	16QAM	38225	12RB#13	16.90	PASS
Band38	5MHz	16QAM	38225	25RB#0	17.04	PASS
Band38	10MHz	QPSK	37800	1RB#0	18.36	PASS
Band38	10MHz	QPSK	37800	1RB#24	18.57	PASS
Band38	10MHz	QPSK	37800	1RB#49	18.44	PASS
Band38	10MHz	QPSK	37800	25RB#0	17.54	PASS
Band38	10MHz	QPSK	37800	25RB#12	17.55	PASS
Band38	10MHz	QPSK	37800	25RB#25	17.62	PASS
Band38	10MHz	QPSK	37800	50RB#0	17.64	PASS
Band38	10MHz	QPSK	38000	1RB#0	18.75	PASS
Band38	10MHz	QPSK	38000	1RB#24	19.15	PASS
Band38	10MHz	QPSK	38000	1RB#49	19.02	PASS
Band38	10MHz	QPSK	38000	25RB#0	17.84	PASS
Band38	10MHz	QPSK	38000	25RB#12	17.82	PASS
Band38	10MHz	QPSK	38000	25RB#25	17.93	PASS
Band38	10MHz	QPSK	38000	50RB#0	17.87	PASS
Band38	10MHz	QPSK	38200	1RB#0	19.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	19.11	PASS
Band38	10MHz	QPSK	38200	1RB#49	18.81	PASS
Band38	10MHz	QPSK	38200	25RB#0	18.03	PASS
Band38	10MHz	QPSK	38200	25RB#12	18.03	PASS
Band38	10MHz	QPSK	38200	25RB#25	17.92	PASS
Band38	10MHz	QPSK	38200	50RB#0	17.95	PASS
Band38	10MHz	16QAM	37800	1RB#0	17.72	PASS
Band38	10MHz	16QAM	37800	1RB#24	17.96	PASS
Band38	10MHz	16QAM	37800	1RB#49	17.77	PASS
Band38	10MHz	16QAM	37800	25RB#0	16.77	PASS
Band38	10MHz	16QAM	37800	25RB#12	16.77	PASS
Band38	10MHz	16QAM	37800	25RB#25	16.86	PASS
Band38	10MHz	16QAM	37800	50RB#0	16.76	PASS
Band38	10MHz	16QAM	38000	1RB#0	17.88	PASS
Band38	10MHz	16QAM	38000	1RB#24	18.22	PASS
Band38	10MHz	16QAM	38000	1RB#49	18.06	PASS
Band38	10MHz	16QAM	38000	25RB#0	16.94	PASS
Band38	10MHz	16QAM	38000	25RB#12	16.92	PASS
Band38	10MHz	16QAM	38000	25RB#25	17.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	16.93	PASS
Band38	10MHz	16QAM	38200	1RB#0	17.64	PASS
Band38	10MHz	16QAM	38200	1RB#24	17.81	PASS
Band38	10MHz	16QAM	38200	1RB#49	17.54	PASS
Band38	10MHz	16QAM	38200	25RB#0	17.03	PASS
Band38	10MHz	16QAM	38200	25RB#12	17.06	PASS
Band38	10MHz	16QAM	38200	25RB#25	16.95	PASS

Band38	10MHz	16QAM	38200	50RB#0	17.05	PASS
Band38	15MHz	QPSK	37825	1RB#0	18.24	PASS
Band38	15MHz	QPSK	37825	1RB#38	18.38	PASS
Band38	15MHz	QPSK	37825	1RB#74	18.44	PASS
Band38	15MHz	QPSK	37825	38RB#0	17.51	PASS
Band38	15MHz	QPSK	37825	38RB#18	17.48	PASS
Band38	15MHz	QPSK	37825	38RB#37	17.50	PASS
Band38	15MHz	QPSK	37825	75RB#0	17.51	PASS
Band38	15MHz	QPSK	38000	1RB#0	18.56	PASS
Band38	15MHz	QPSK	38000	1RB#38	18.93	PASS
Band38	15MHz	QPSK	38000	1RB#74	18.96	PASS
Band38	15MHz	QPSK	38000	38RB#0	17.90	PASS
Band38	15MHz	QPSK	38000	38RB#18	17.87	PASS
Band38	15MHz	QPSK	38000	38RB#37	17.89	PASS
Band38	15MHz	QPSK	38000	75RB#0	17.89	PASS
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Band38	15MHz	QPSK	38175	38RB#18	17.94	PASS
Band38	15MHz	QPSK	38175	38RB#37	17.95	PASS
Band38	15MHz	QPSK	38175	75RB#0	17.95	PASS
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Band38	15MHz	16QAM	37825	1RB#74	17.70	PASS
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Band38	15MHz	16QAM	37825	75RB#0	16.58	PASS
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Band38	15MHz	16QAM	38000	1RB#38	18.00	PASS
Band38	15MHz	16QAM	38000	1RB#74	18.01	PASS
Band38	15MHz	16QAM	38000	38RB#0	17.87	PASS
Band38	15MHz	16QAM	38000	38RB#18	17.88	PASS
Band38	15MHz	16QAM	38000	38RB#37	17.88	PASS
Band38	15MHz	16QAM	38000	75RB#0	16.88	PASS
Band38	15MHz	16QAM	38175	1RB#0	17.71	PASS
Band38	15MHz	16QAM	38175	1RB#38	17.82	PASS
Band38	15MHz	16QAM	38175	1RB#74	17.73	PASS
Band38	15MHz	16QAM	38175	38RB#0	17.97	PASS
Band38	15MHz	16QAM	38175	38RB#18	17.94	PASS
Band38	15MHz	16QAM	38175	38RB#37	17.95	PASS
Band38	15MHz	16QAM	38175	75RB#0	16.97	PASS
Band38	20MHz	QPSK	37850	1RB#0	18.24	PASS

Band38	20MHz	QPSK	37850	1RB#49	18.61	PASS
Band38	20MHz	QPSK	37850	1RB#99	18.61	PASS
Band38	20MHz	QPSK	37850	50RB#0	17.43	PASS
Band38	20MHz	QPSK	37850	50RB#25	17.43	PASS
Band38	20MHz	QPSK	37850	50RB#50	17.68	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.57	PASS
Band38	20MHz	QPSK	38000	1RB#0	18.53	PASS
Band38	20MHz	QPSK	38000	1RB#49	19.08	PASS
Band38	20MHz	QPSK	38000	1RB#99	18.96	PASS
Band38	20MHz	QPSK	38000	50RB#0	17.67	PASS
Band38	20MHz	QPSK	38000	50RB#25	17.65	PASS
Band38	20MHz	QPSK	38000	50RB#50	17.87	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.72	PASS
Band38	20MHz	QPSK	38150	1RB#0	18.79	PASS
Band38	20MHz	QPSK	38150	1RB#49	19.12	PASS
Band38	20MHz	QPSK	38150	1RB#99	18.69	PASS
Band38	20MHz	QPSK	38150	50RB#0	17.91	PASS
Band38	20MHz	QPSK	38150	50RB#25	17.88	PASS
Band38	20MHz	QPSK	38150	50RB#50	17.83	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.87	PASS
Band38	20MHz	16QAM	37850	1RB#0	17.39	PASS
Band38	20MHz	16QAM	37850	1RB#49	17.69	PASS
Band38	20MHz	16QAM	37850	1RB#99	17.58	PASS
Band38	20MHz	16QAM	37850	50RB#0	16.62	PASS
Band38	20MHz	16QAM	37850	50RB#25	16.63	PASS
Band38	20MHz	16QAM	37850	50RB#50	16.83	PASS
Band38	20MHz	16QAM	37850	100RB#0	16.71	PASS
Band38	20MHz	16QAM	38000	1RB#0	17.58	PASS
Band38	20MHz	16QAM	38000	1RB#49	18.00	PASS
Band38	20MHz	16QAM	38000	1RB#99	17.89	PASS
Band38	20MHz	16QAM	38000	50RB#0	16.75	PASS
Band38	20MHz	16QAM	38000	50RB#25	16.75	PASS
Band38	20MHz	16QAM	38000	50RB#50	16.87	PASS
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Band38	20MHz	16QAM	38150	1RB#49	17.67	PASS
Band38	20MHz	16QAM	38150	1RB#99	17.34	PASS
Band38	20MHz	16QAM	38150	50RB#0	16.93	PASS
Band38	20MHz	16QAM	38150	50RB#25	16.95	PASS
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Band38	20MHz	16QAM	38150	100RB#0	16.93	PASS

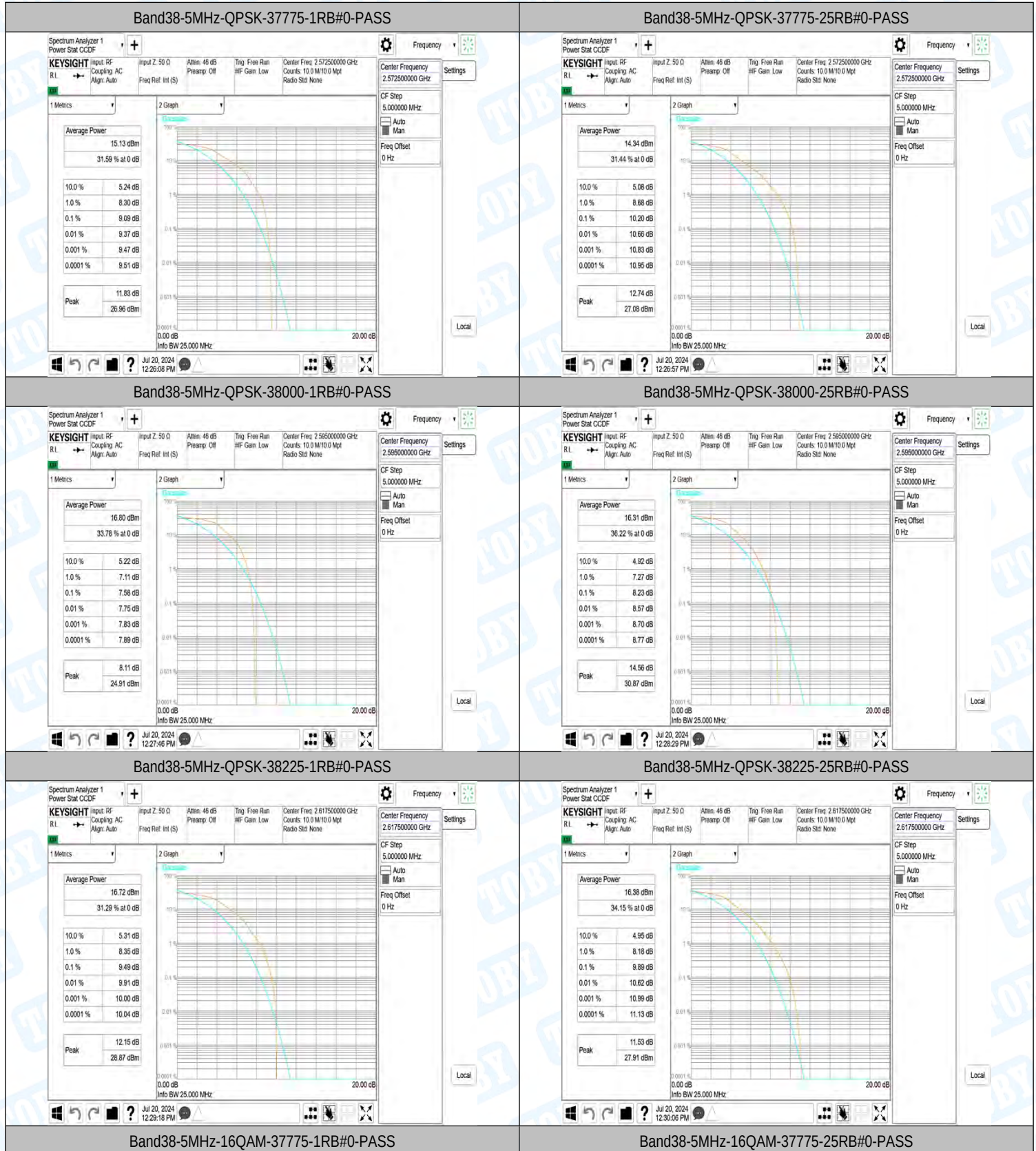
2: Peak-to-Average Ratio(CCDF)

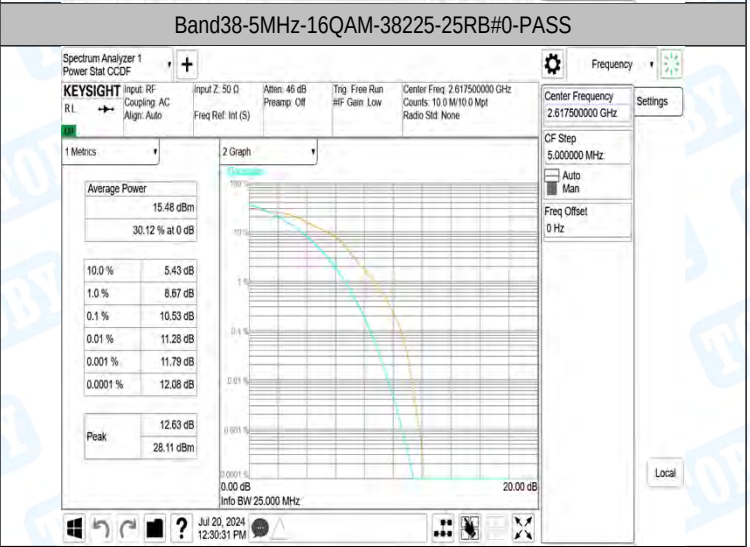
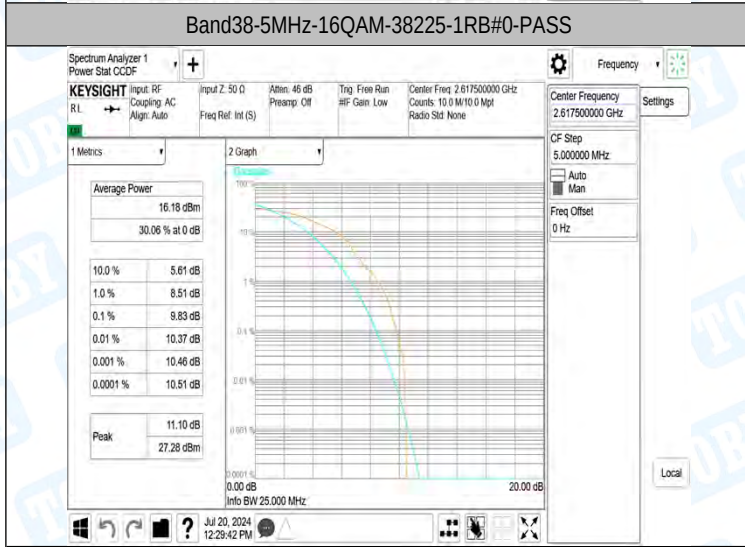
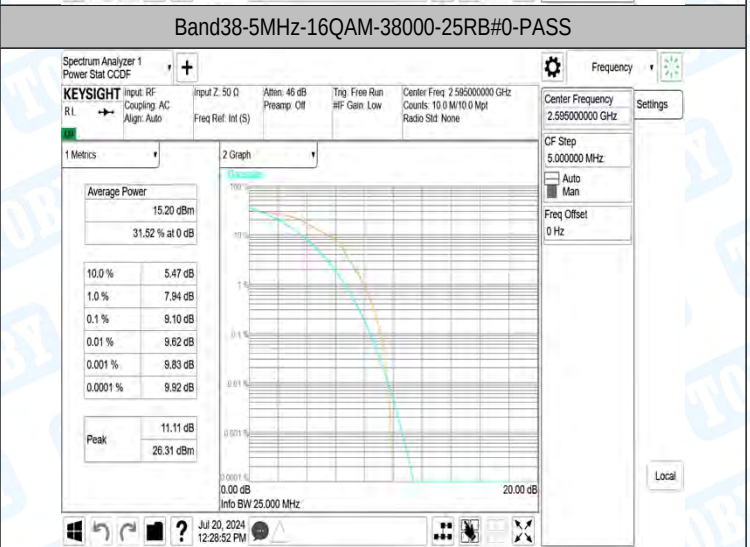
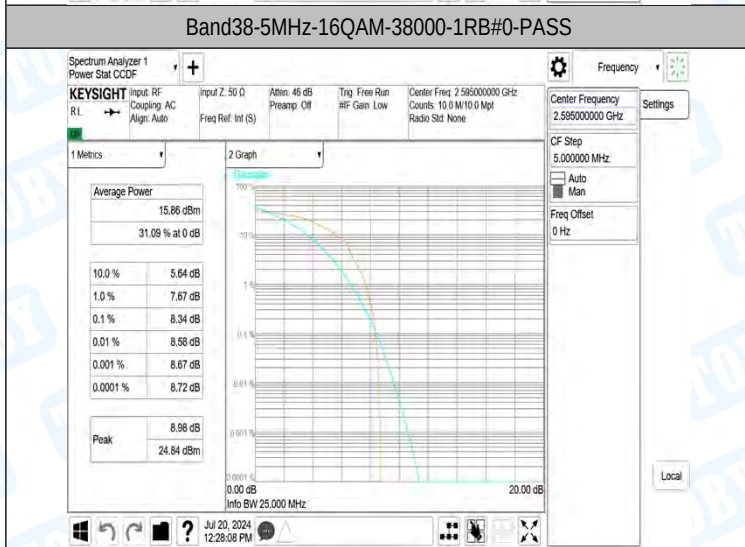
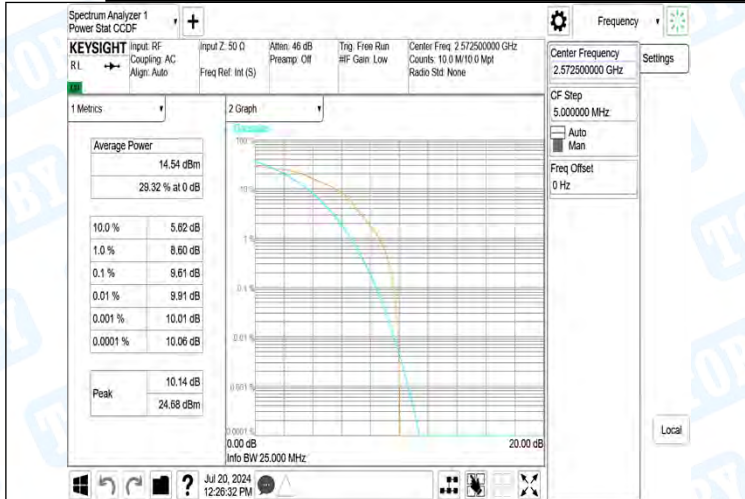
Test Result

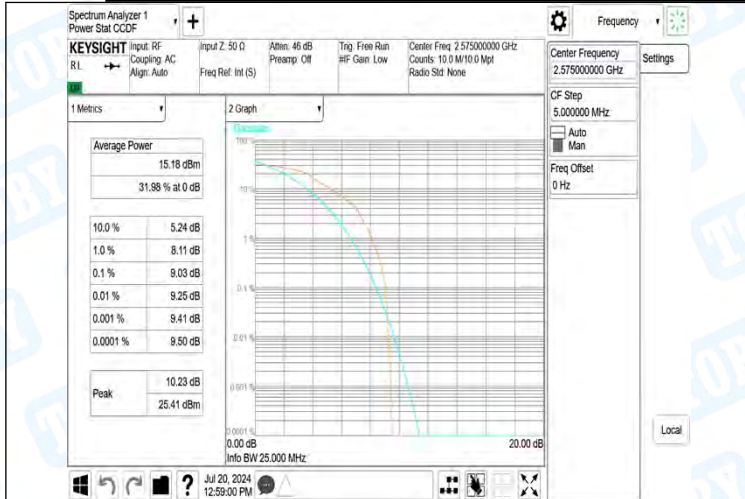
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	9.09	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	10.20	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	7.58	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.23	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	9.49	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	9.89	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	9.61	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	10.51	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.34	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.10	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	9.83	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	10.53	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	9.03	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.80	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	7.75	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.07	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	8.77	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.52	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	9.64	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	10.32	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.84	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.07	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	9.25	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	10.11	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	8.31	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	10.03	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	7.52	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	8.80	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	8.25	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	9.19	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	10.05	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	10.96	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.63	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.64	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.93	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	10.60	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	8.49	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	9.40	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.67	13	PASS

Band38	20MHz	QPSK	38000	100RB#0	8.67	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	7.78	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.21	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	9.40	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	10.50	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	9.08	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.18	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.56	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.76	13	PASS

Test Graphs

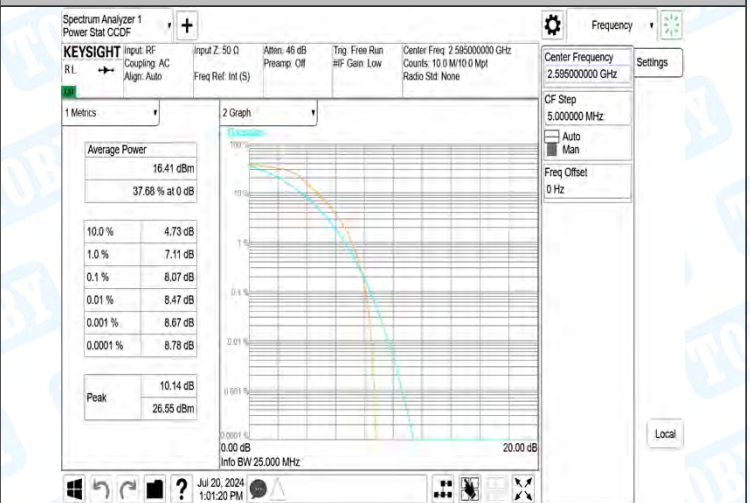
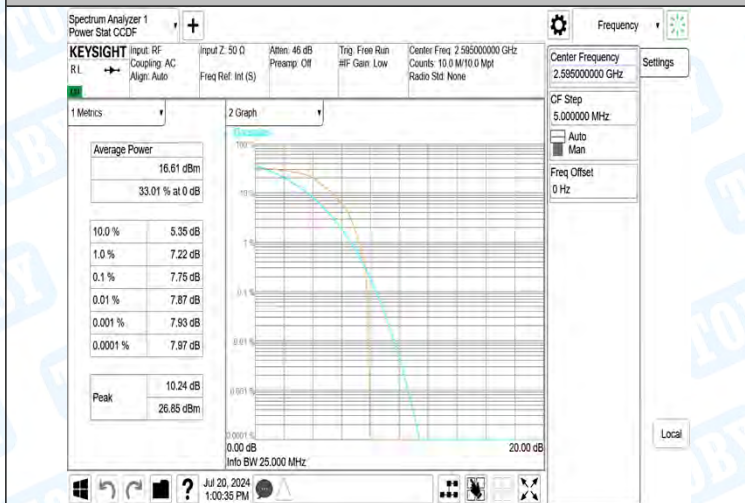






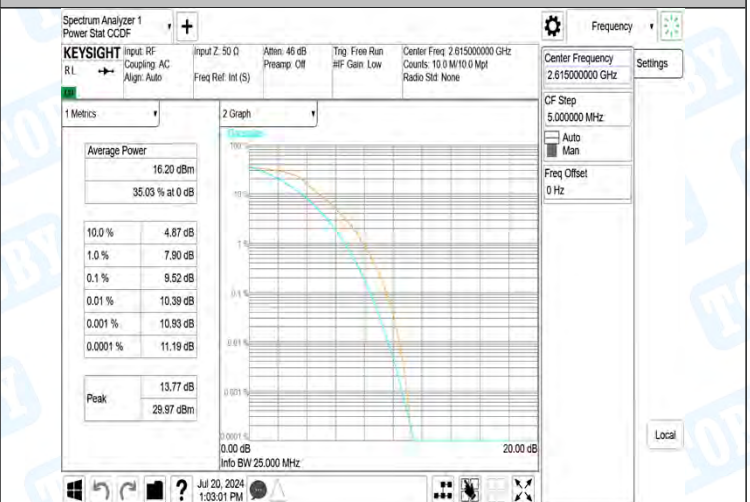
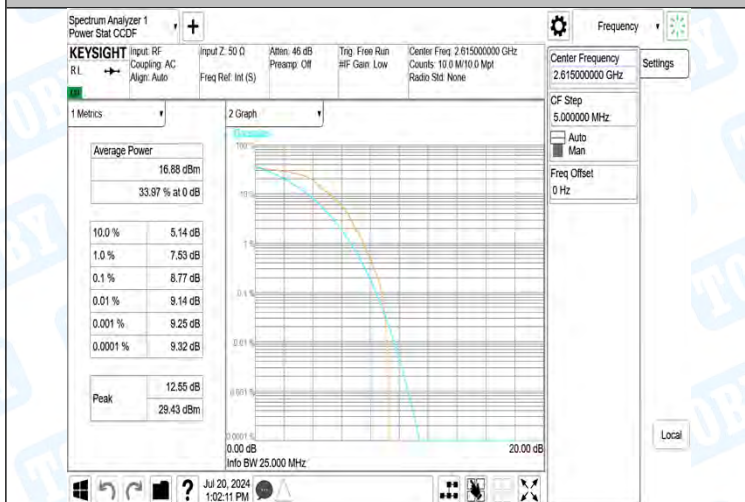
Band38-10MHz-QPSK-38000-1RB#0-PASS

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



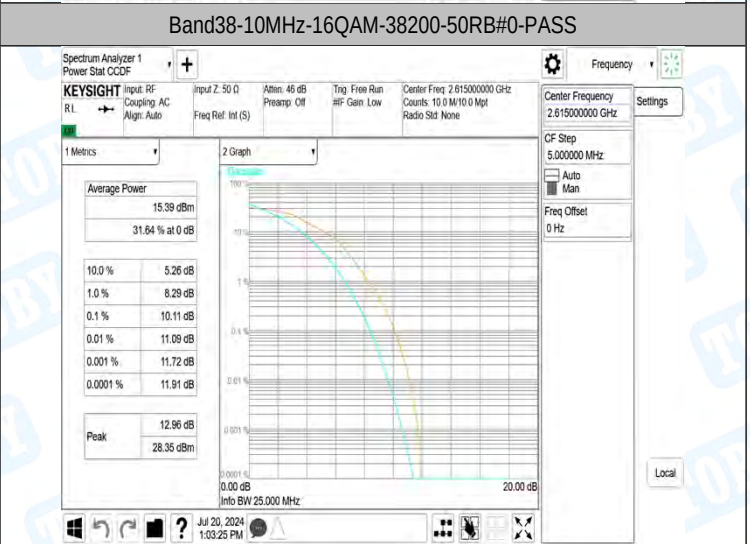
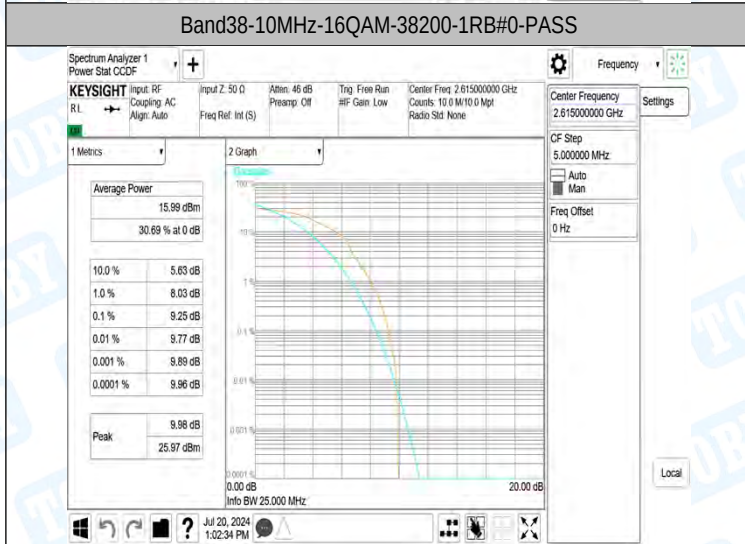
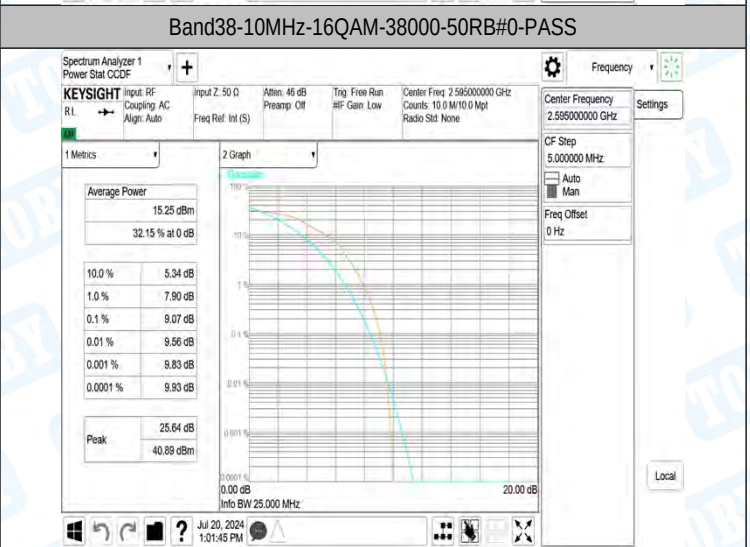
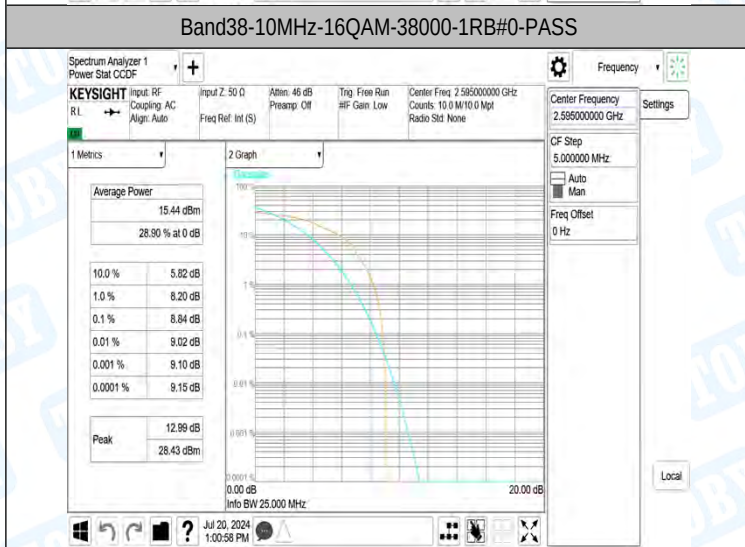
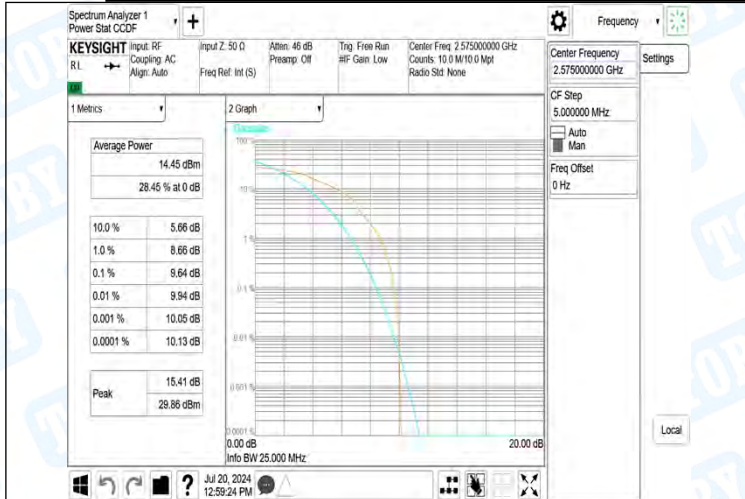
Band38-10MHz-QPSK-38200-1RB#0-PASS

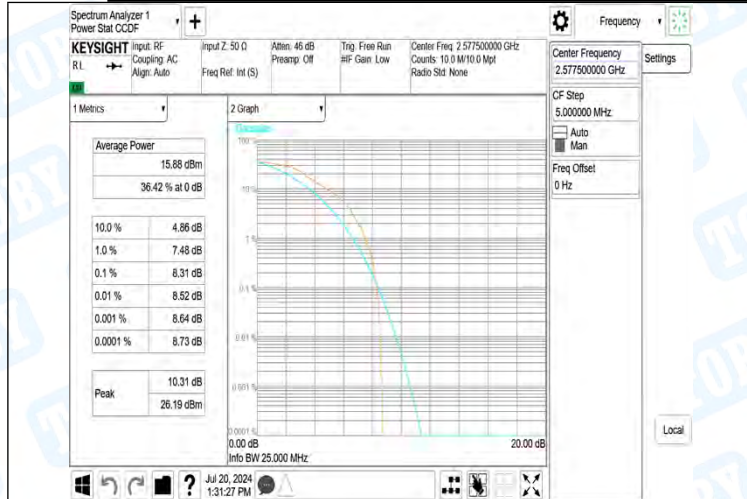
Band38-10MHz-QPSK-38200-50RB#0-PASS



Band38-10MHz-16QAM-37800-1RB#0-PASS

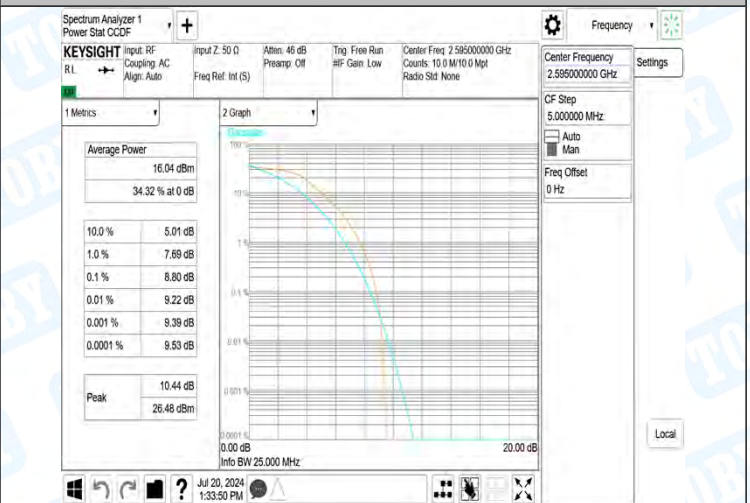
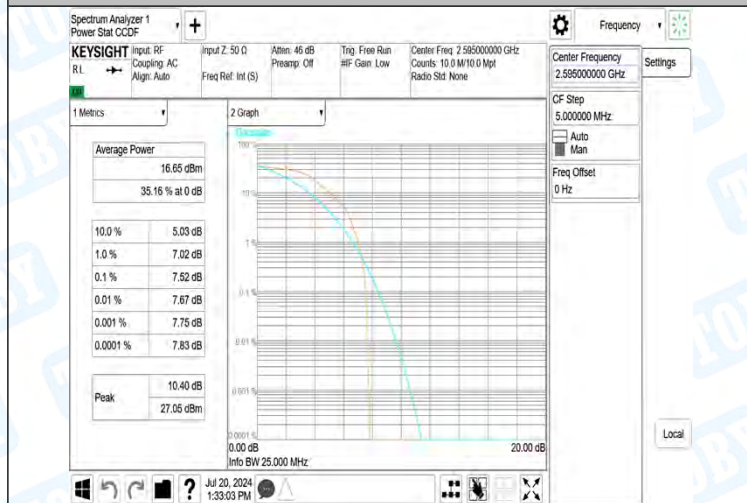
Band38-10MHz-16QAM-37800-50RB#0-PASS





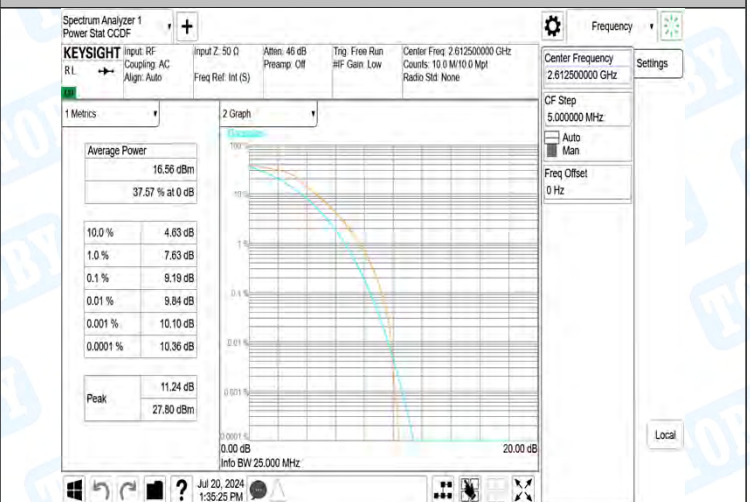
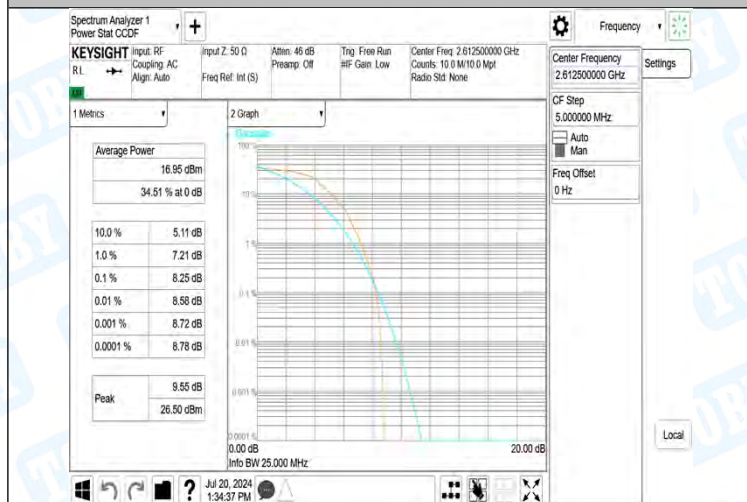
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Band38-15MHz-QPSK-38000-75RB#0-PASS



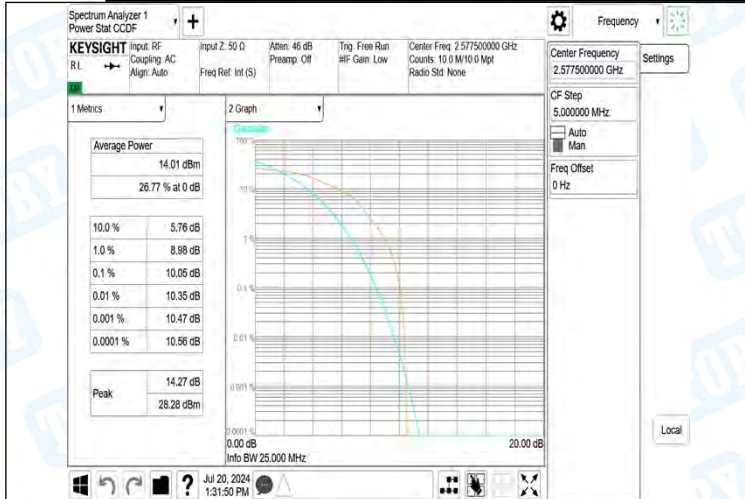
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Band38-15MHz-QPSK-38175-75RB#0-PASS



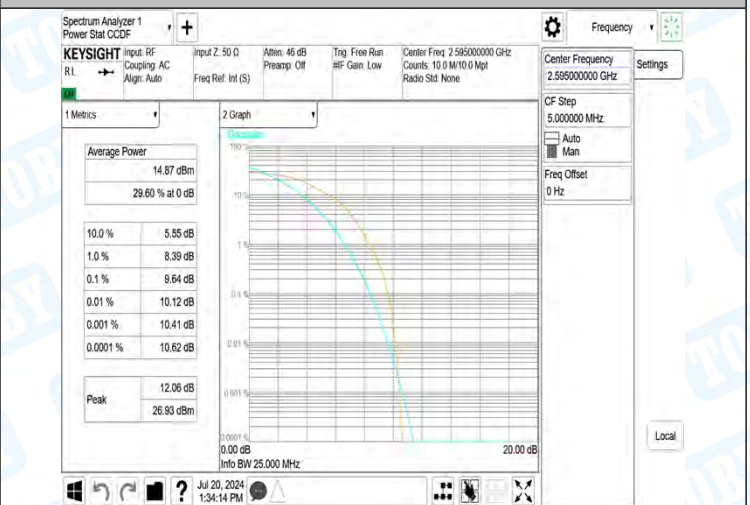
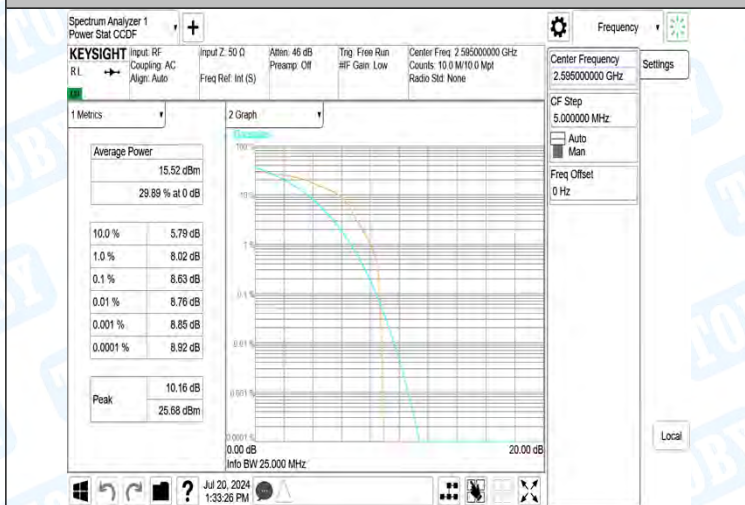
Band38-15MHz-16QAM-37825-1RB#0-PASS

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



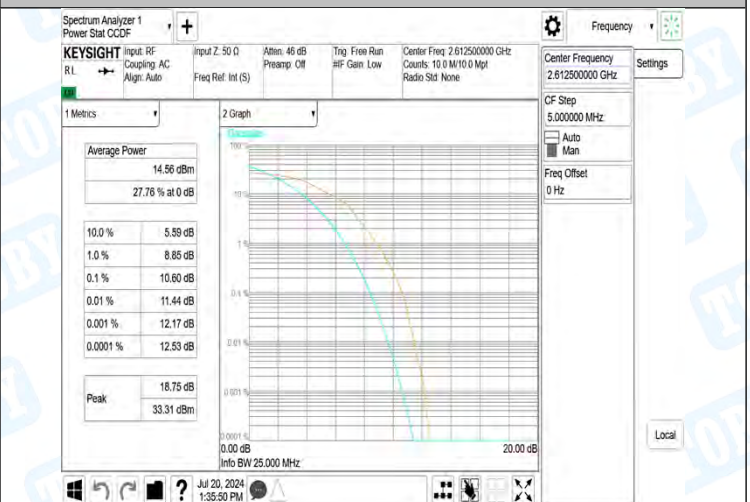
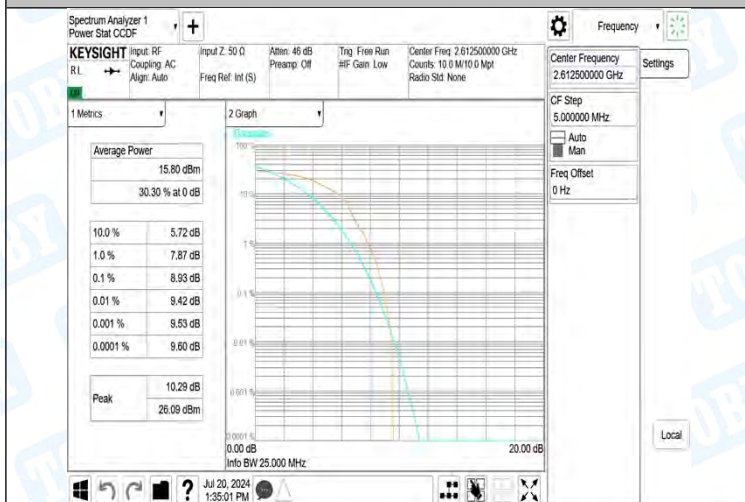
Band38-15MHz-16QAM-38000-1RB#0-PASS

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



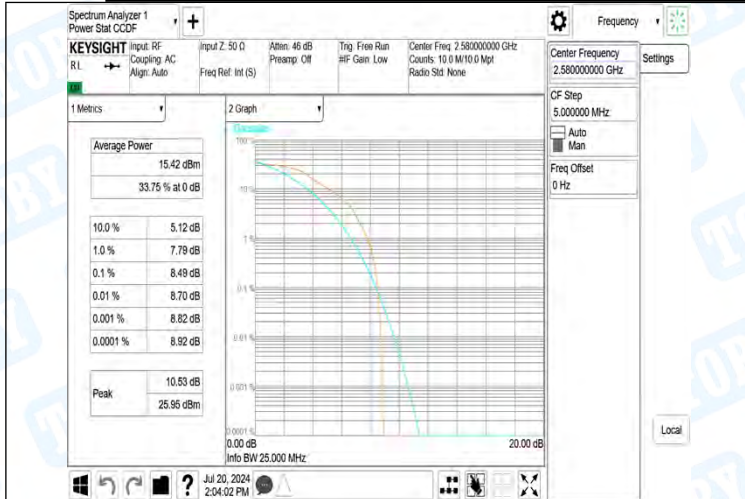
Band38-15MHz-16QAM-38175-1RB#0-PASS

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



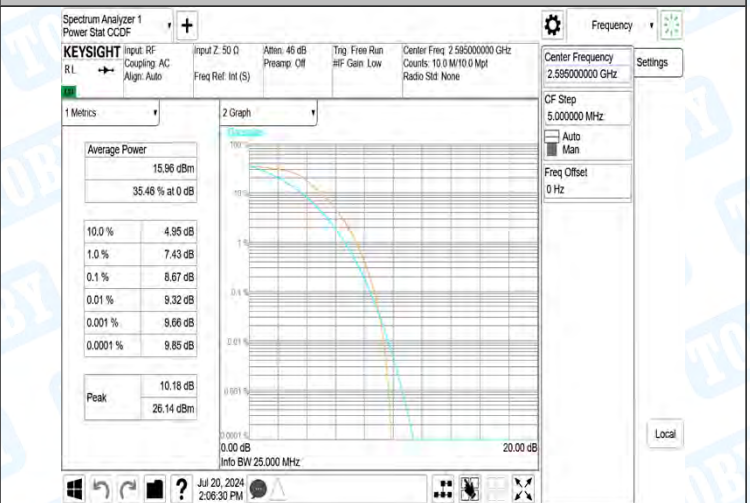
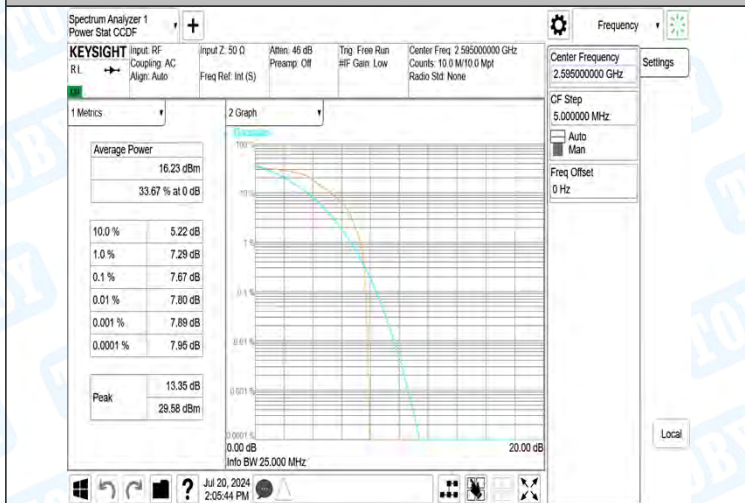
Band38-20MHz-QPSK-37850-1RB#0-PASS

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



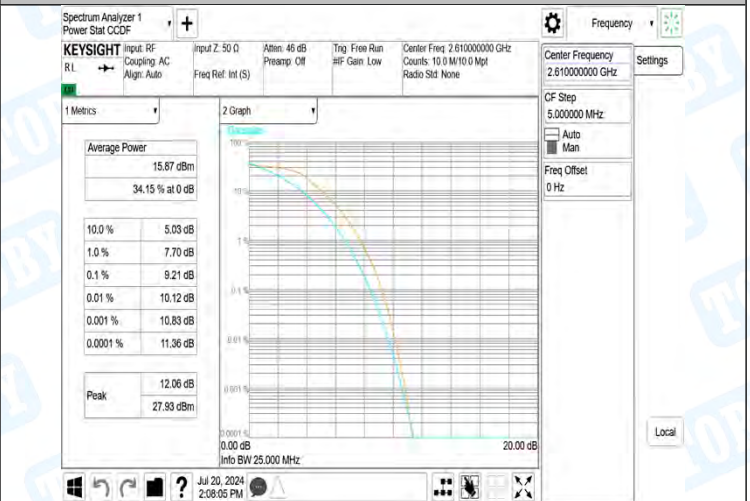
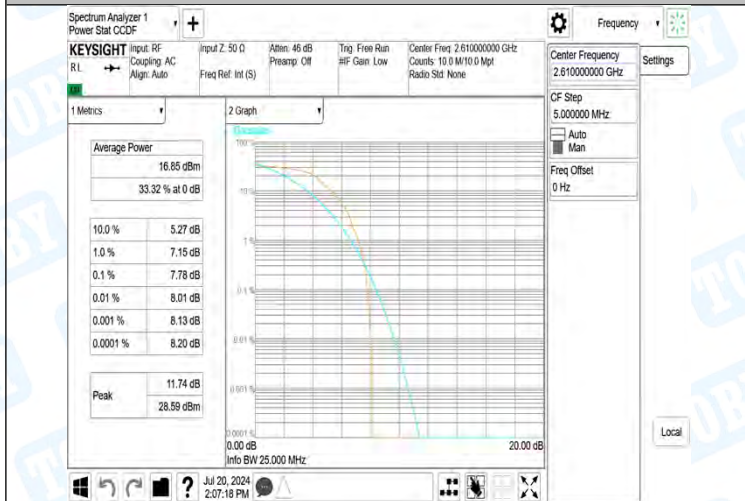
Band38-20MHz-QPSK-38000-1RB#0-PASS

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



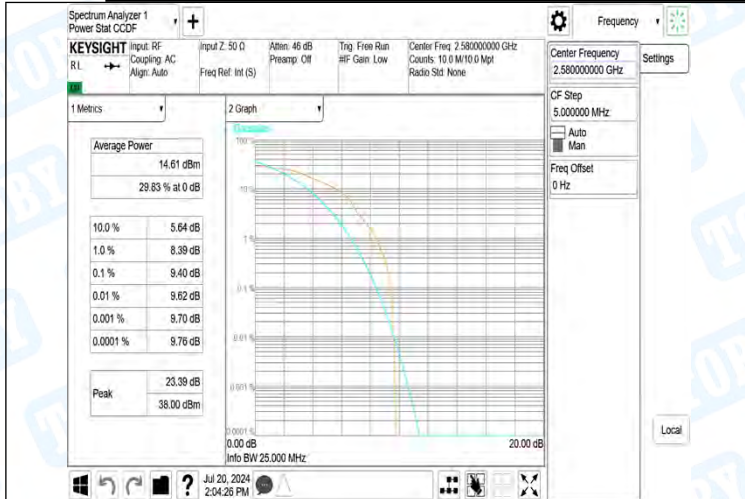
Band38-20MHz-QPSK-38150-1RB#0-PASS

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



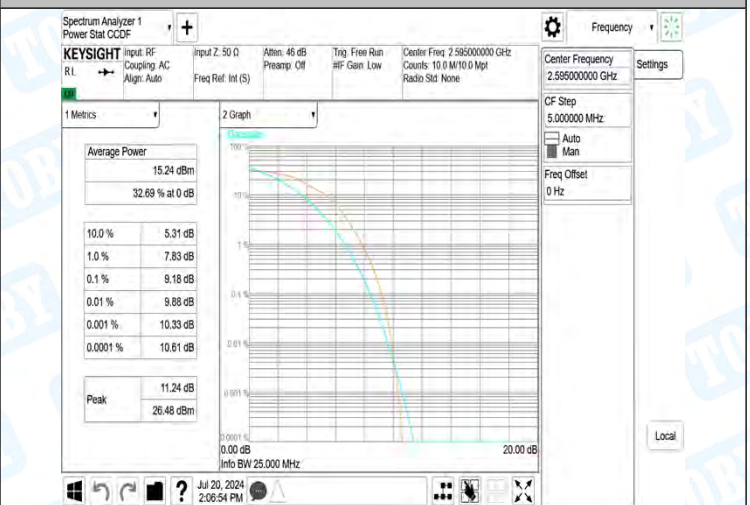
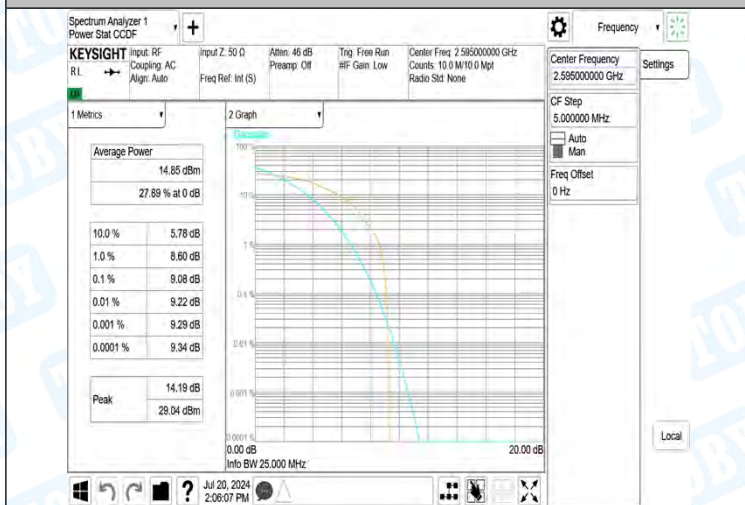
Band38-20MHz-16QAM-37850-1RB#0-PASS

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



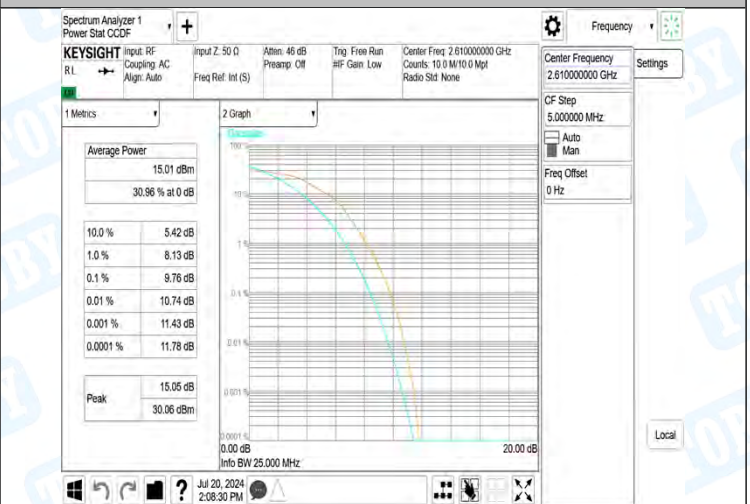
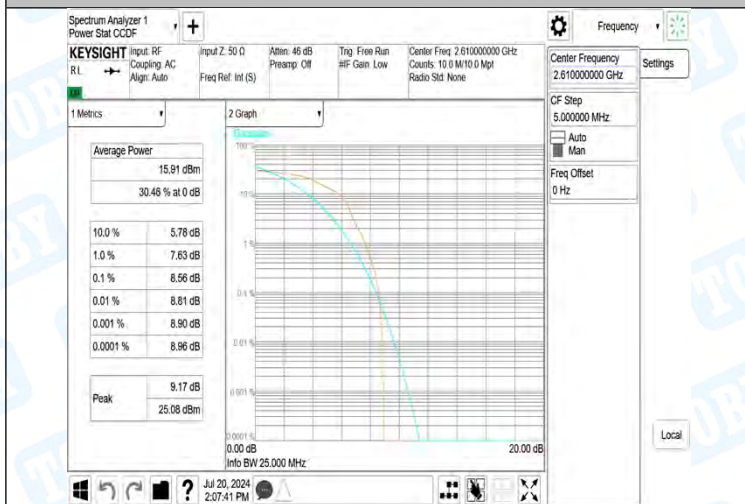
Band38-20MHz-16QAM-38000-1RB#0-PASS

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



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

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



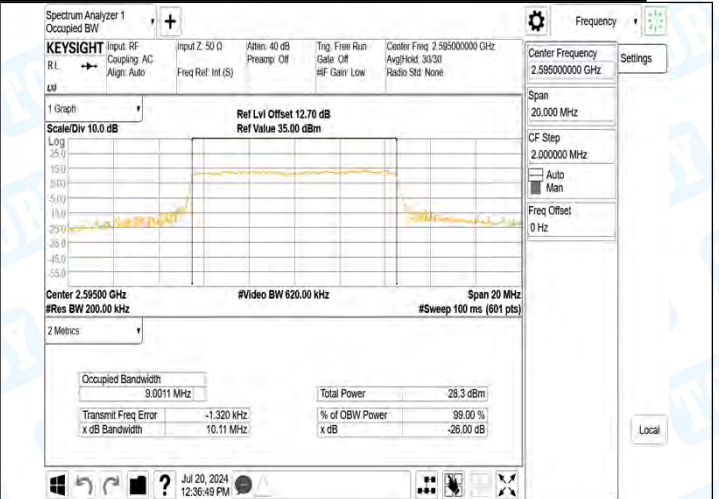
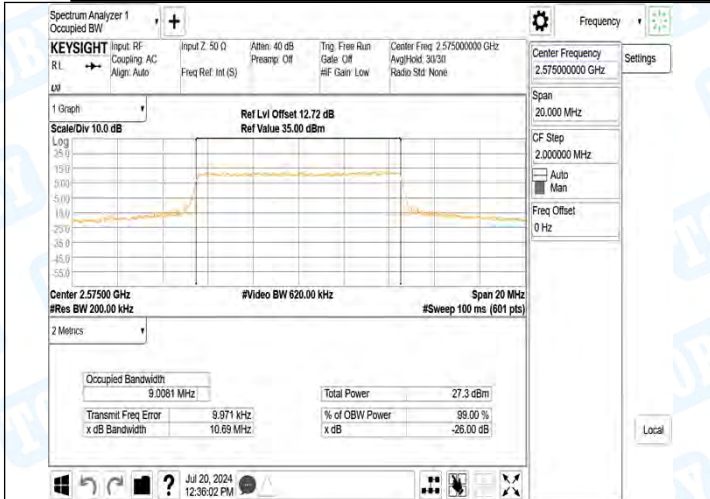
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.5022	5.009	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4982	5.371	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4985	4.959	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5033	5.363	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4922	4.952	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4946	5.278	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0081	10.69	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0011	10.11	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9783	9.810	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0156	10.26	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0014	11.21	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9782	9.775	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.532	15.14	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.449	16.36	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.498	16.83	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.521	15.89	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.514	16.01	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.500	15.86	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.010	20.79	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.946	20.72	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.986	20.69	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.995	20.02	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.936	20.66	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.946	20.35	PASS

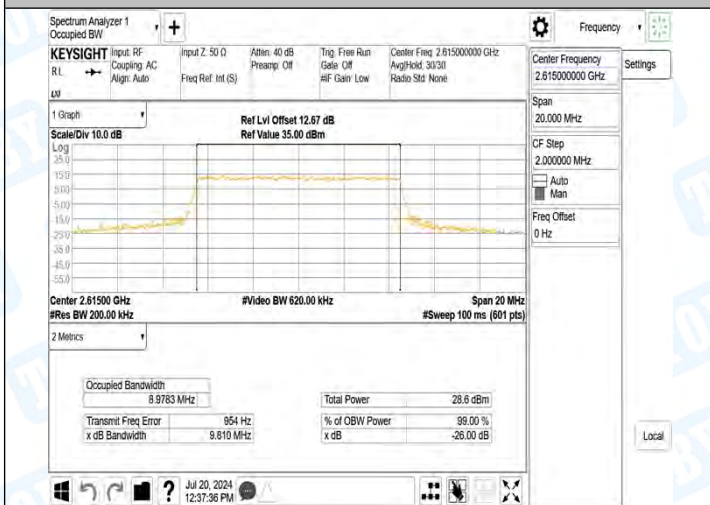
Test Graphs





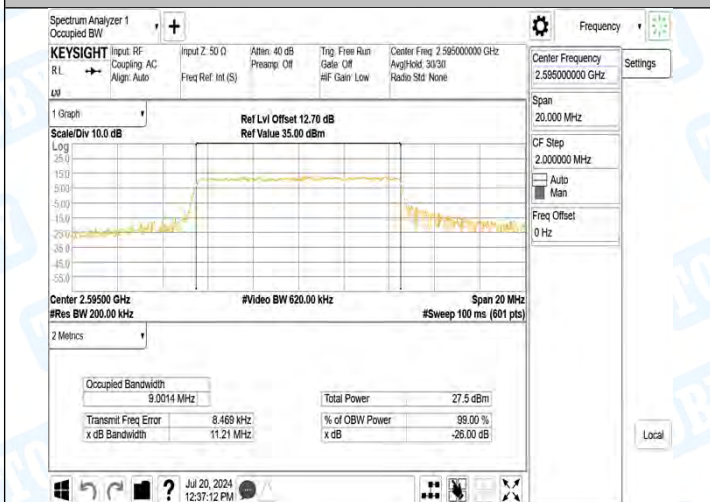
Band38-10MHz-QPSK-38200-50RB#0-PASS

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



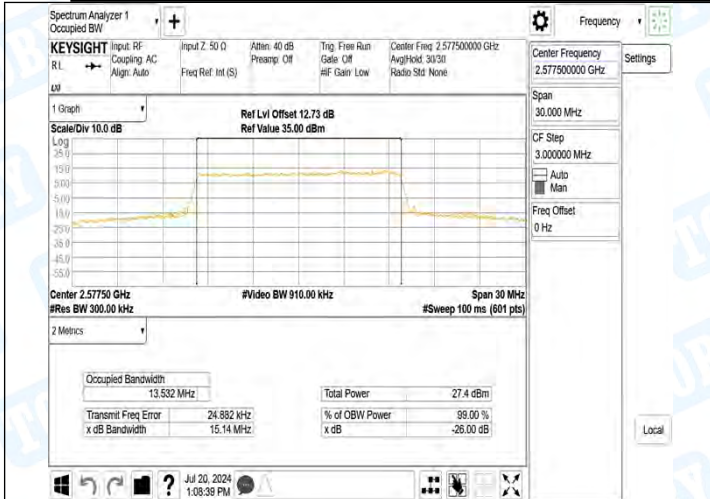
Band38-10MHz-16QAM-38000-50RB#0-PASS

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



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

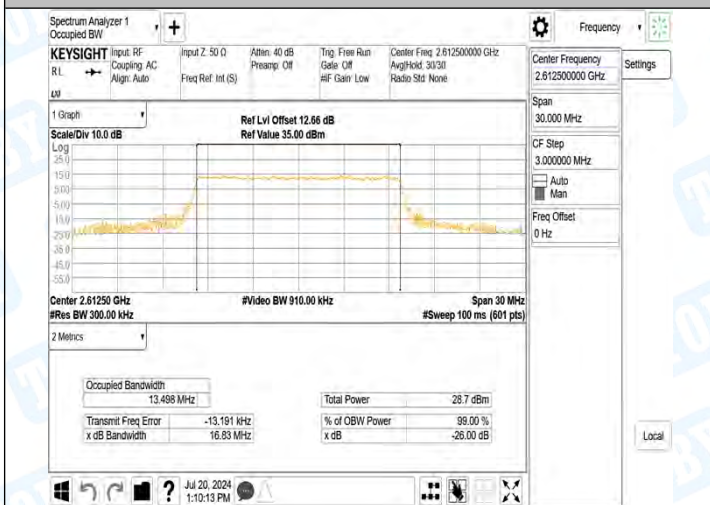
Band38-15MHz-QPSK-38000-75RB#0-PASS



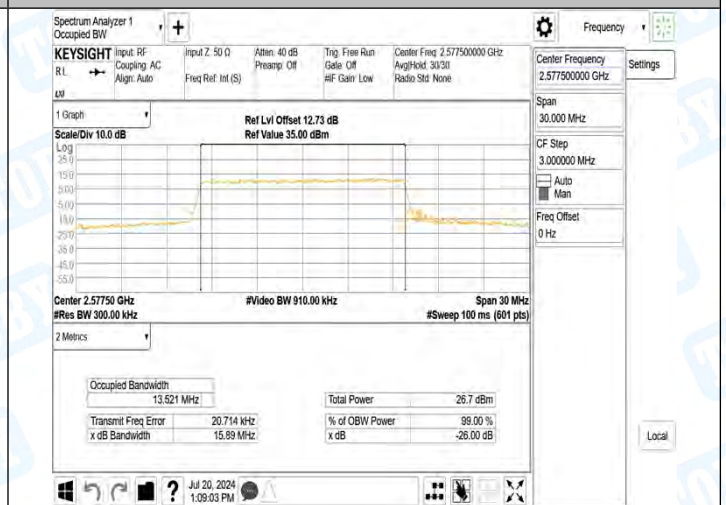
Band38-15MHz-QPSK-38175-75RB#0-PASS



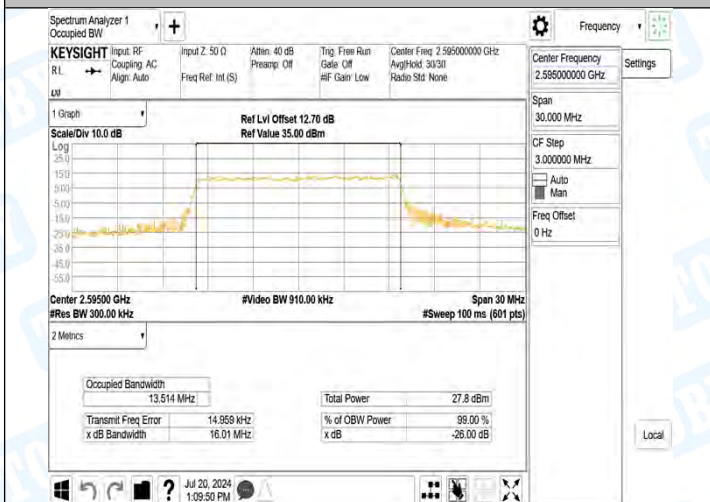
Band38-15MHz-16QAM-37825-75RB#0-PASS



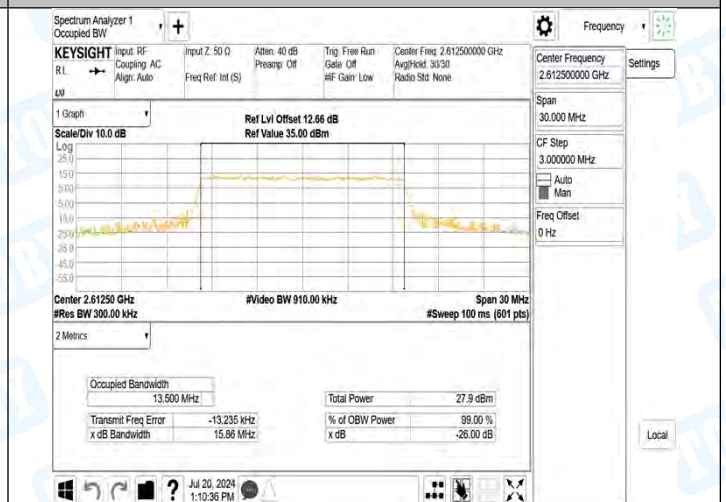
Band38-15MHz-16QAM-38000-75RB#0-PASS



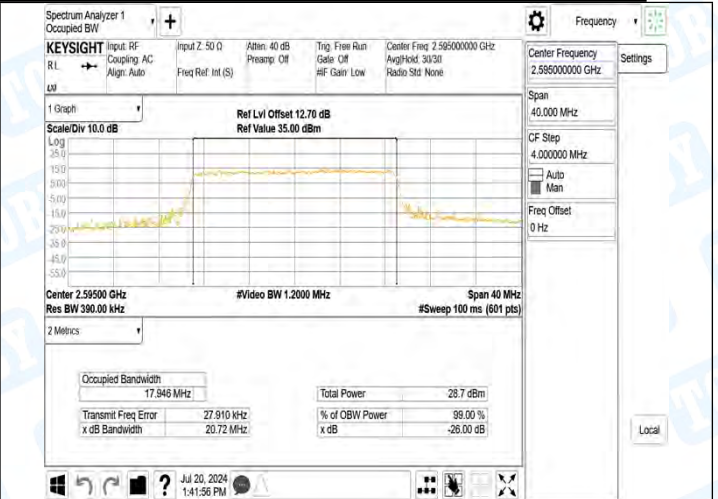
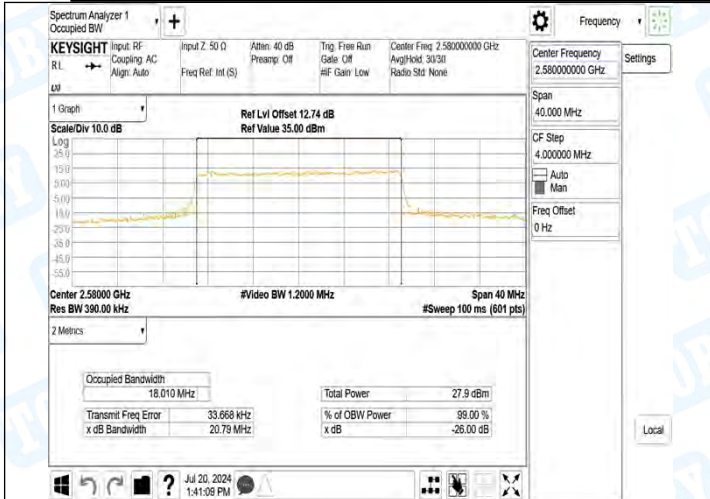
Band38-15MHz-16QAM-38175-75RB#0-PASS



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

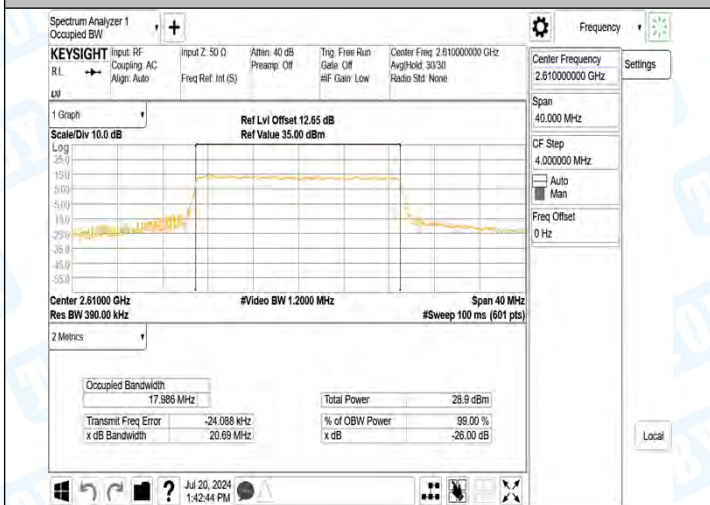


Band38-20MHz-QPSK-38000-100RB#0-PASS



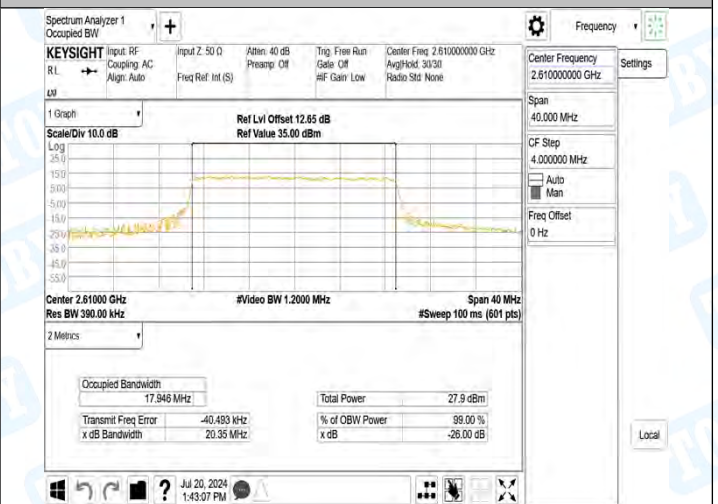
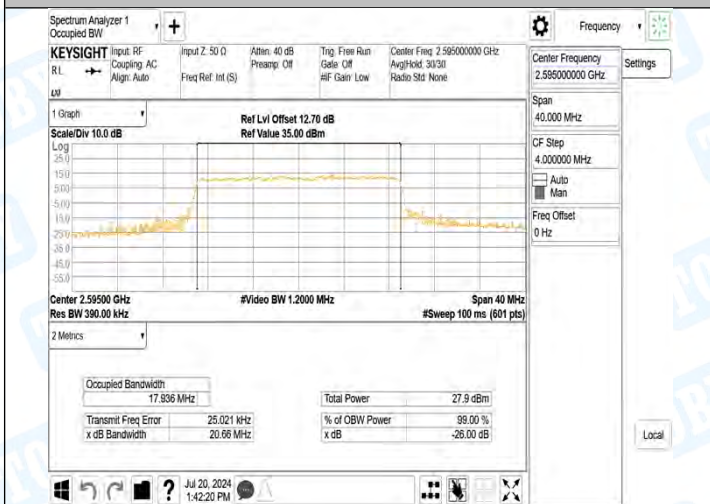
Band38-20MHz-QPSK-38150-100RB#0-PASS

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



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

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



4: Band Edge

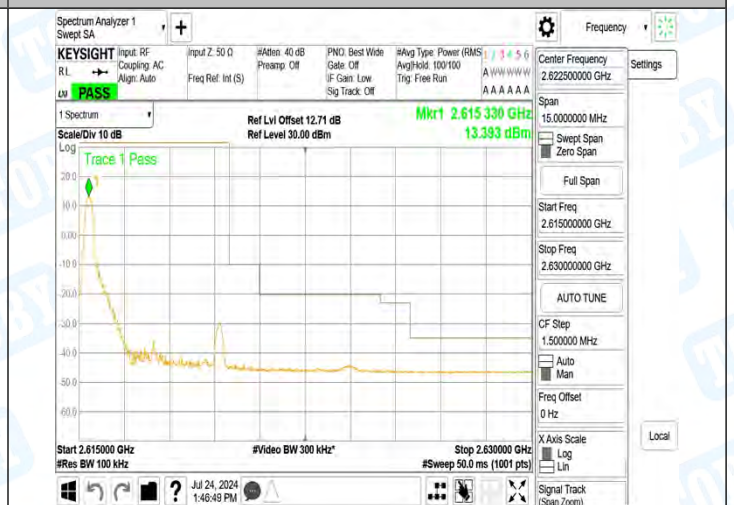
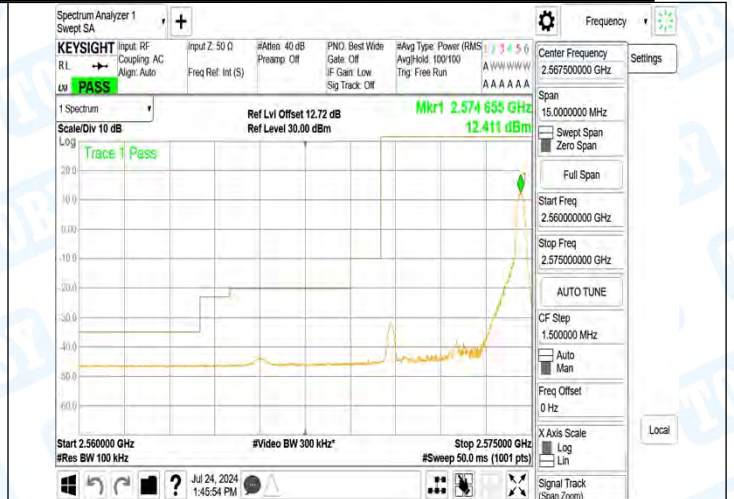
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Level_dBm	Margin	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-46.14	11.14	PASS
Band38	5MHz	QPSK	37775	1RB#24	-46.12	11.12	PASS
Band38	5MHz	QPSK	37775	25RB#0	-44.52	9.52	PASS
Band38	5MHz	QPSK	38225	1RB#0	-46.09	11.09	PASS
Band38	5MHz	QPSK	38225	1RB#24	-46.15	11.15	PASS
Band38	5MHz	QPSK	38225	25RB#0	-43.84	8.84	PASS
Band38	5MHz	16QAM	37775	1RB#0	-46.12	11.12	PASS
Band38	5MHz	16QAM	37775	1RB#24	-46.14	11.14	PASS
Band38	5MHz	16QAM	37775	25RB#0	-44.76	9.76	PASS
Band38	5MHz	16QAM	38225	1RB#0	-46.12	11.12	PASS
Band38	5MHz	16QAM	38225	1RB#24	-46.15	11.15	PASS
Band38	5MHz	16QAM	38225	25RB#0	-44.41	9.41	PASS
Band38	10MHz	QPSK	37800	1RB#0	-43.30	11.30	PASS
Band38	10MHz	QPSK	37800	1RB#49	-43.33	11.33	PASS
Band38	10MHz	QPSK	37800	50RB#0	-41.19	9.19	PASS
Band38	10MHz	QPSK	38200	1RB#0	-43.38	11.38	PASS
Band38	10MHz	QPSK	38200	1RB#49	-43.36	11.36	PASS
Band38	10MHz	QPSK	38200	50RB#0	-42.55	10.55	PASS
Band38	10MHz	16QAM	37800	1RB#0	-43.28	11.28	PASS
Band38	10MHz	16QAM	37800	1RB#49	-43.28	11.28	PASS
Band38	10MHz	16QAM	37800	50RB#0	-41.57	9.57	PASS
Band38	10MHz	16QAM	38200	1RB#0	-43.30	11.30	PASS
Band38	10MHz	16QAM	38200	1RB#49	-43.38	11.38	PASS
Band38	10MHz	16QAM	38200	50RB#0	-42.50	10.50	PASS
Band38	15MHz	QPSK	37825	1RB#0	-41.69	11.49	PASS
Band38	15MHz	QPSK	37825	1RB#74	-41.62	11.42	PASS
Band38	15MHz	QPSK	37825	75RB#0	-39.50	9.30	PASS
Band38	15MHz	QPSK	38175	1RB#0	-41.51	11.31	PASS
Band38	15MHz	QPSK	38175	1RB#74	-41.48	11.28	PASS
Band38	15MHz	QPSK	38175	75RB#0	-40.70	10.50	PASS
Band38	15MHz	16QAM	37825	1RB#0	-41.67	11.47	PASS
Band38	15MHz	16QAM	37825	1RB#74	-41.63	11.43	PASS
Band38	15MHz	16QAM	37825	75RB#0	-40.11	9.91	PASS
Band38	15MHz	16QAM	38175	1RB#0	-41.45	11.25	PASS
Band38	15MHz	16QAM	38175	1RB#74	-41.53	11.33	PASS
Band38	15MHz	16QAM	38175	75RB#0	-40.94	10.74	PASS
Band38	20MHz	QPSK	37850	1RB#0	-40.60	11.50	PASS
Band38	20MHz	QPSK	37850	1RB#99	-40.59	11.49	PASS
Band38	20MHz	QPSK	37850	100RB#0	-39.78	10.68	PASS

Band38	20MHz	QPSK	38150	1RB#0	-40.21	11.11	PASS
Band38	20MHz	QPSK	38150	1RB#99	-40.26	11.16	PASS
Band38	20MHz	QPSK	38150	100RB#0	-39.97	10.87	PASS
Band38	20MHz	16QAM	37850	1RB#0	-40.60	11.50	PASS
Band38	20MHz	16QAM	37850	1RB#99	-40.60	11.50	PASS
Band38	20MHz	16QAM	37850	100RB#0	-39.69	10.59	PASS
Band38	20MHz	16QAM	38150	1RB#0	-40.23	11.13	PASS
Band38	20MHz	16QAM	38150	1RB#99	-40.19	11.09	PASS
Band38	20MHz	16QAM	38150	100RB#0	-40.01	10.91	PASS

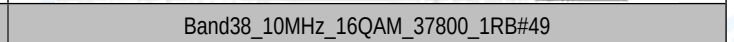
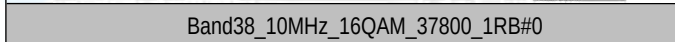
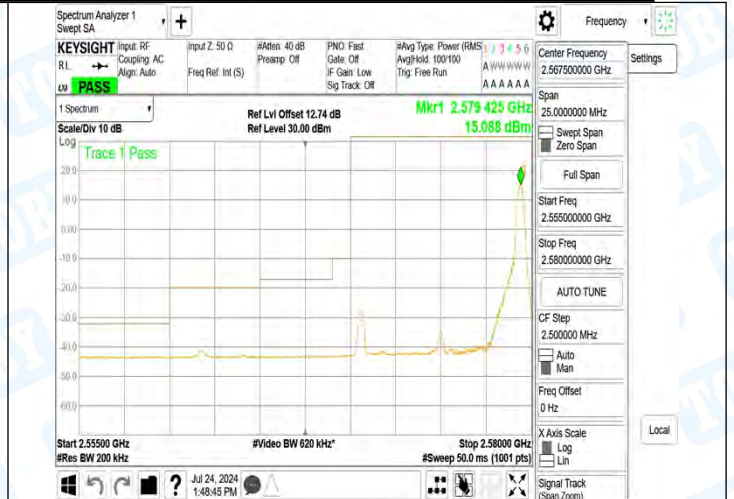
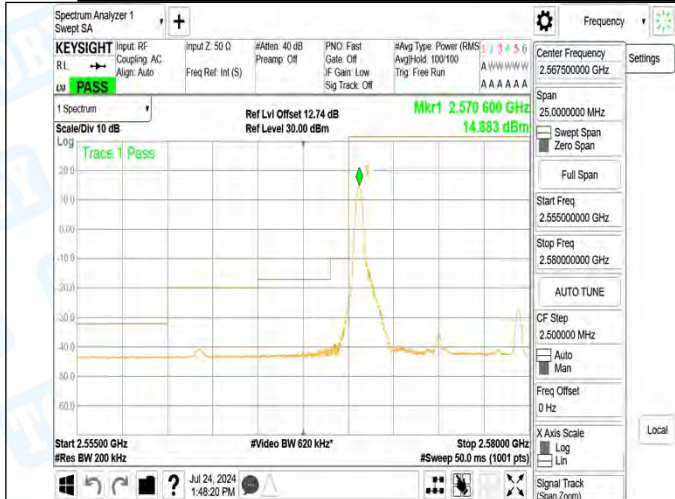
Test Graphs





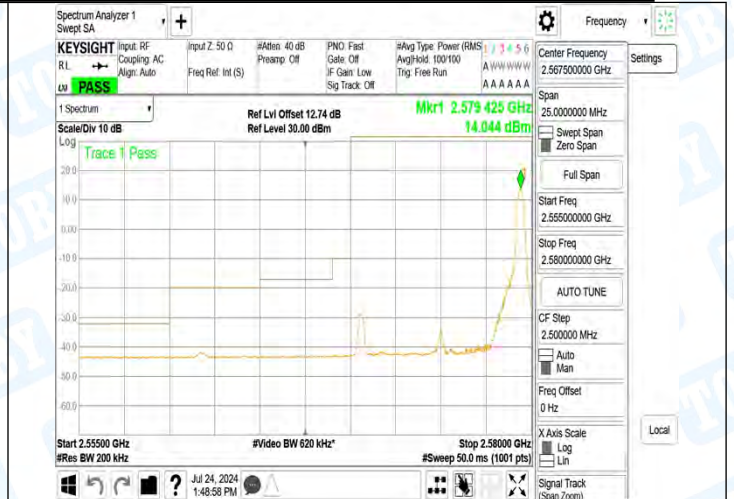
Band38_10MHz_QPSK_37800_1RB#0

Band38_10MHz_QPSK_37800_1RB#49





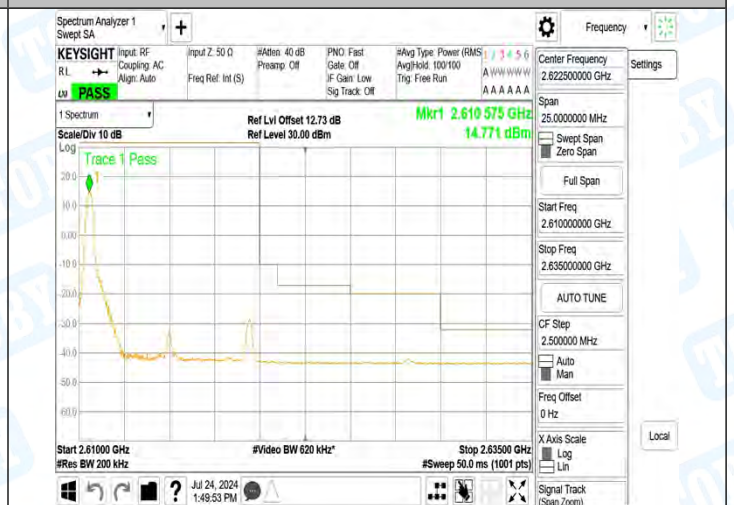
Band38_10MHz_16QAM_37800_50RB#0



Band38_10MHz_16QAM_38200_1RB#0



Band38_10MHz_16QAM_38200_1RB#49



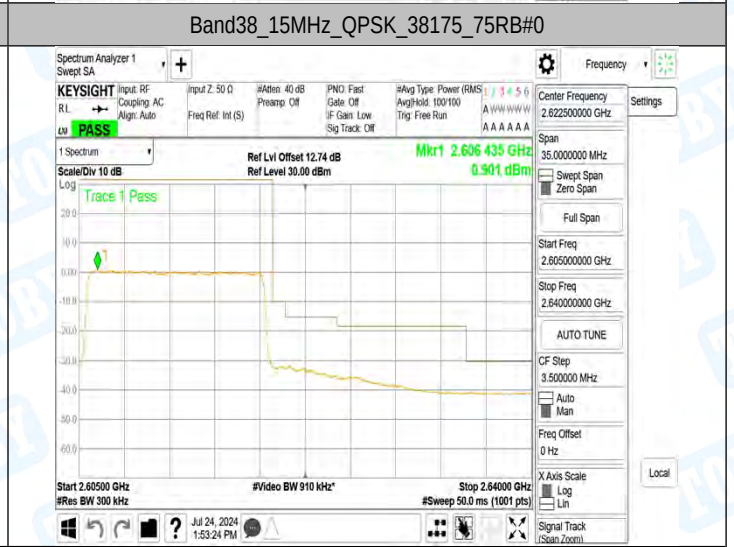
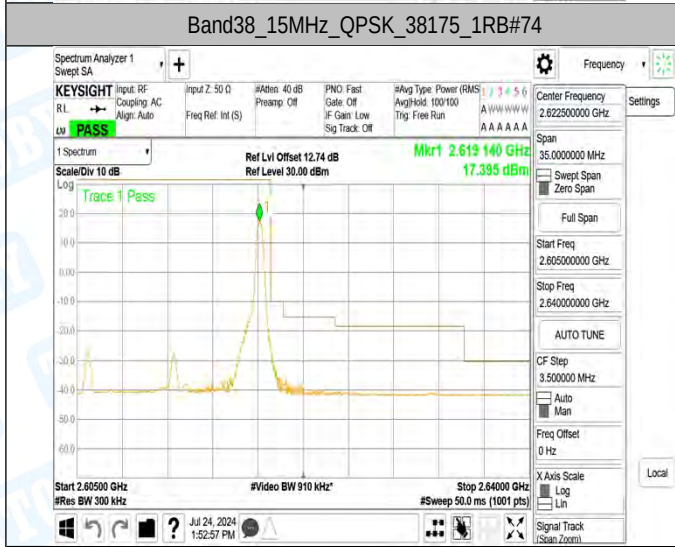
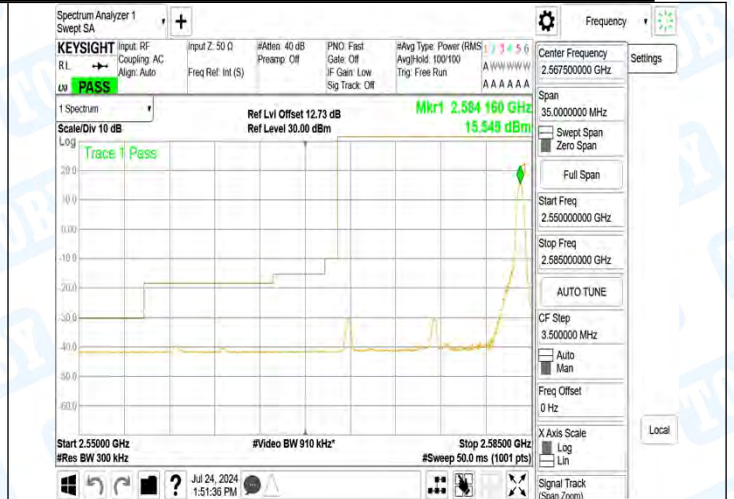
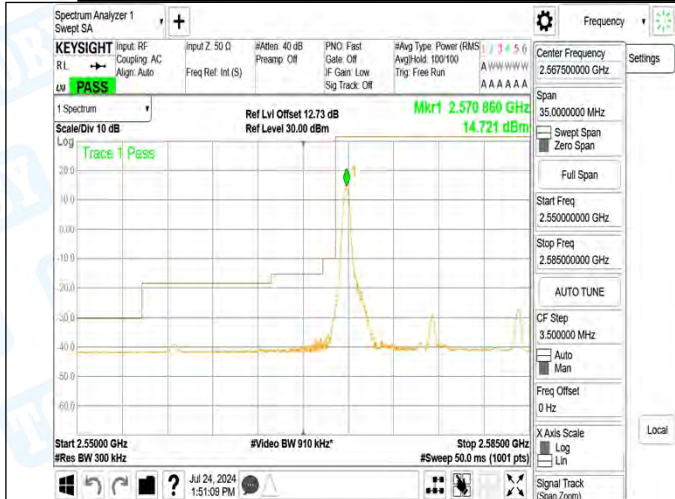
Band38_10MHz_16QAM_38200_50RB#0

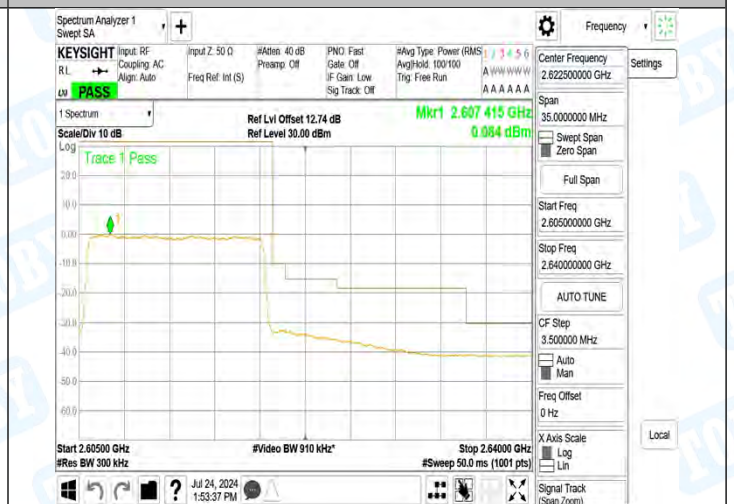
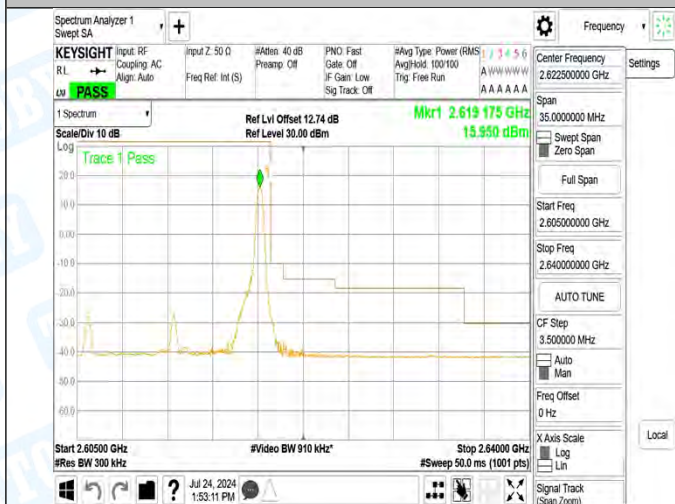
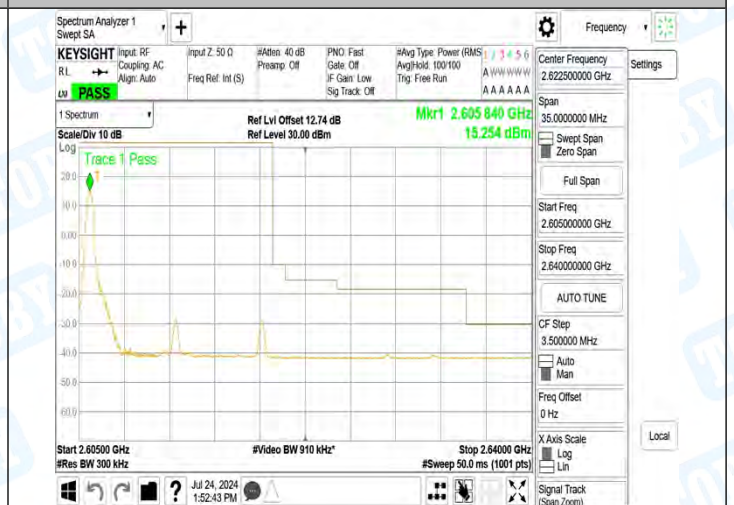
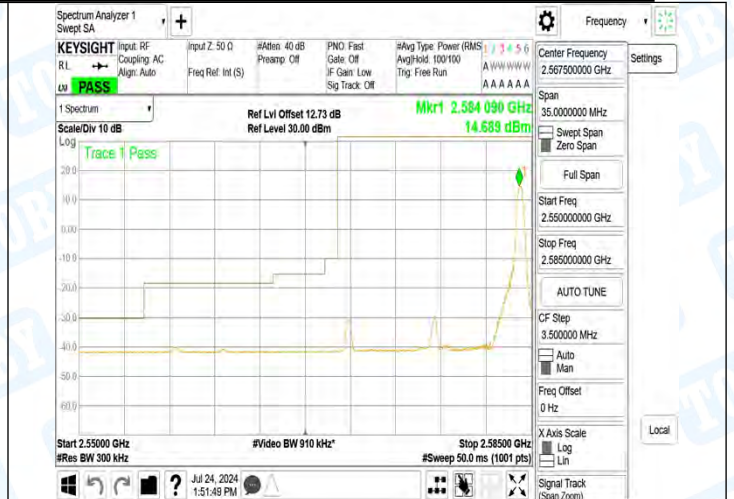
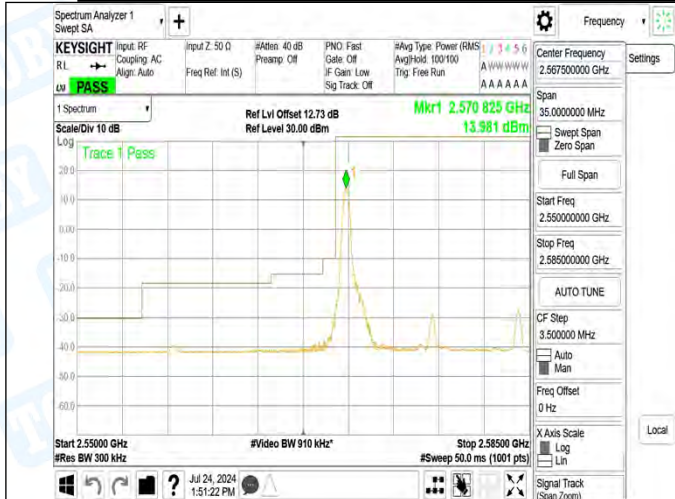


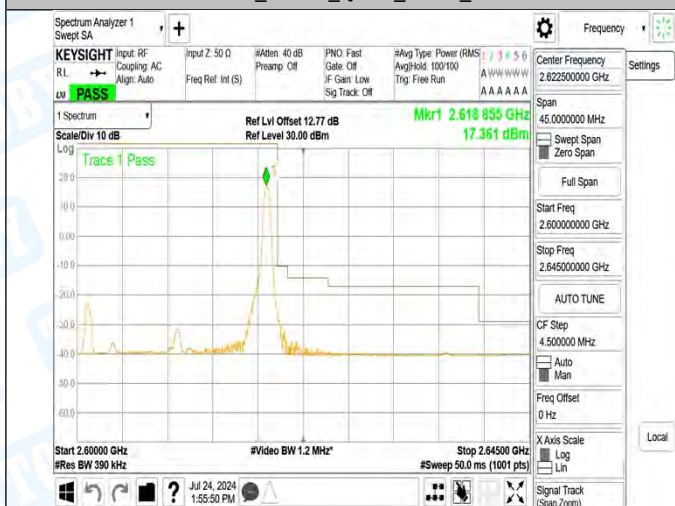
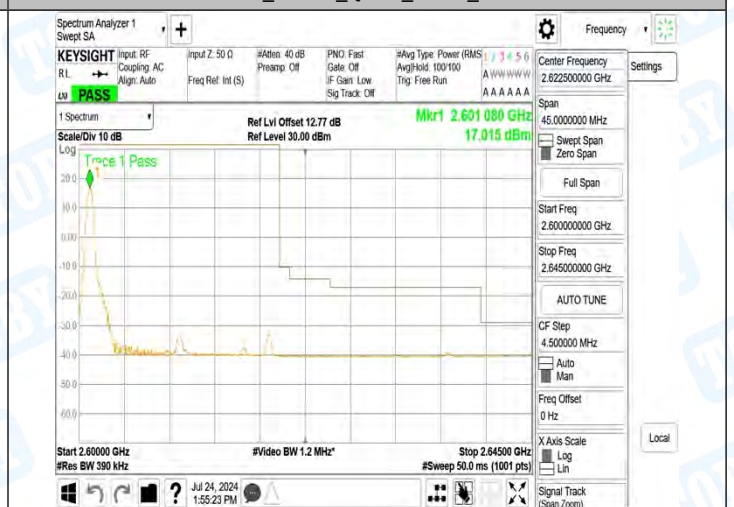
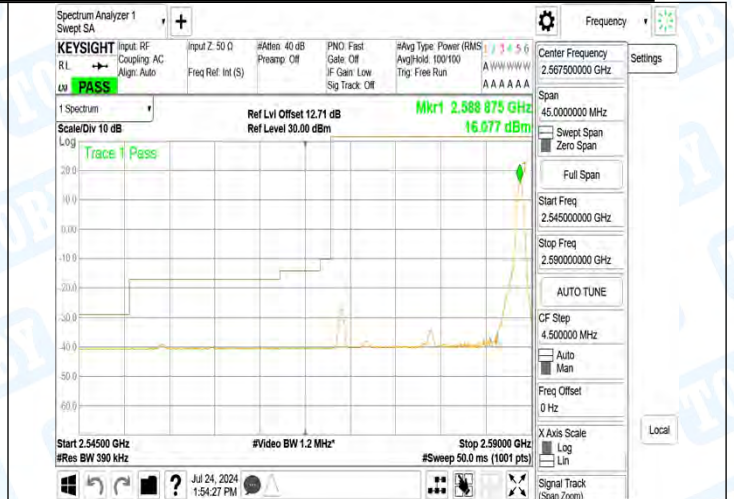
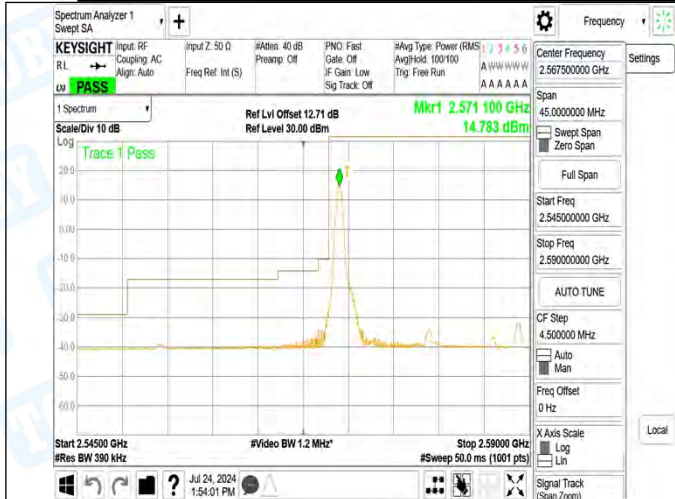
Band38_15MHz_QPSK_37825_1RB#0



Band38_15MHz_QPSK_37825_1RB#74

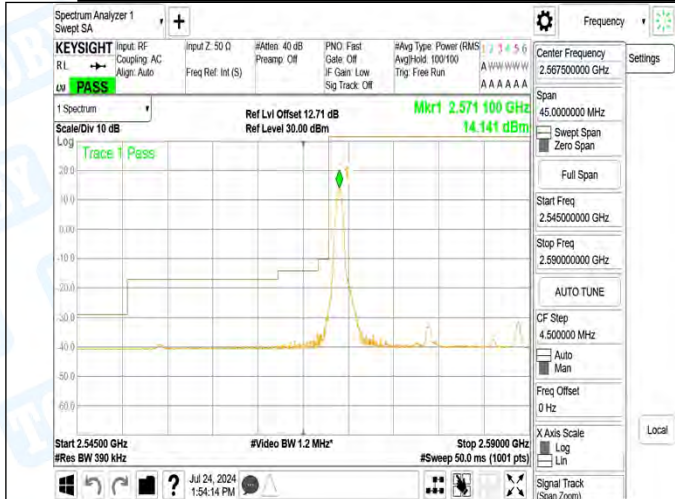




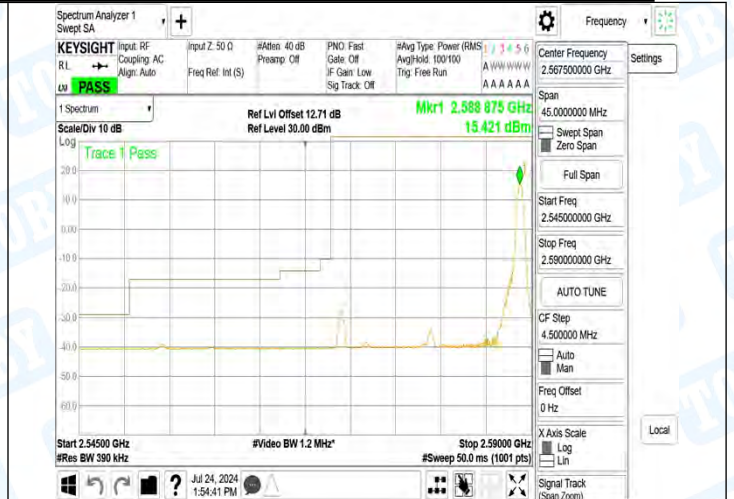


Band38_20MHz_16QAM_37850_1RB#0

Band38_20MHz_16QAM_37850_1RB#99



Band38_20MHz_16QAM_37850_100RB#0



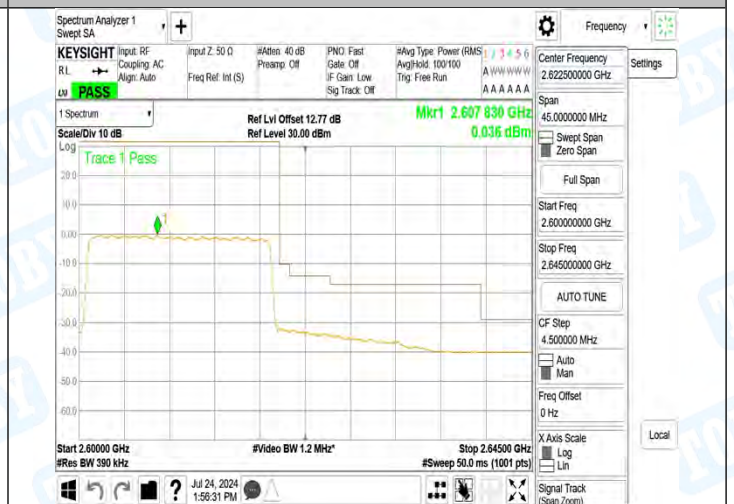
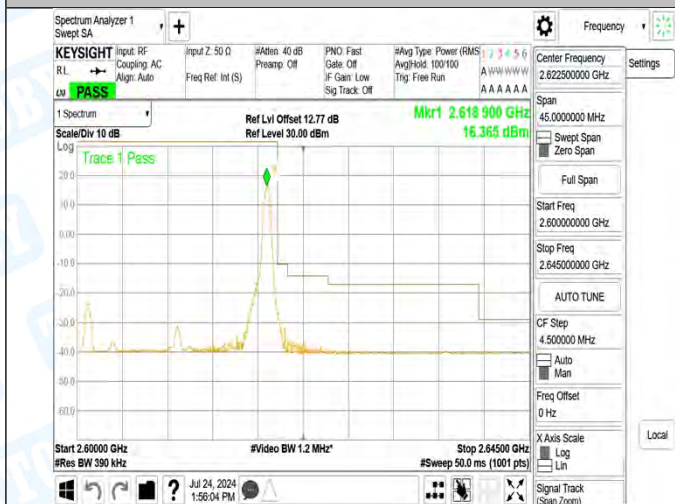
Band38_20MHz_16QAM_38150_1RB#0



Band38_20MHz_16QAM_38150_1RB#99



Band38_20MHz_16QAM_38150_100RB#0



5: Conducted Spurious Emission

Test Result

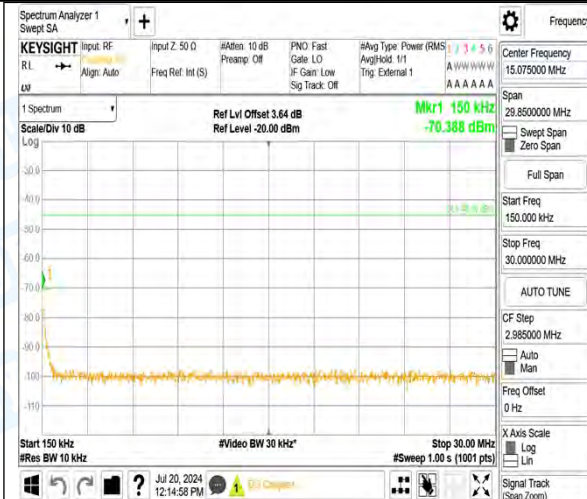
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Frequency	Value(dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	0.02	-79.55	-55.0	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	0.15	-71.22	-45.0	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	816.19	-60.38	-35.0	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	5140.58	-30.92	-25.0	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	24736.90	-46.20	-25.0	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	0.02	-79.22	-55.0	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	0.15	-70.39	-45.0	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	874.39	-60.49	-35.0	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	5185.70	-32.65	-25.0	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	24783.10	-46.10	-25.0	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	0.02	-80.29	-55.0	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	0.15	-69.58	-45.0	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	886.51	-60.33	-35.0	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	5230.35	-34.40	-25.0	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	24742.85	-46.04	-25.0	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	0.02	-79.48	-55.0	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	0.15	-70.41	-45.0	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	887.00	-60.08	-35.0	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	5140.58	-31.94	-25.0	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	24738.65	-46.13	-25.0	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	0.02	-80.36	-55.0	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	0.15	-70.98	-45.0	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	997.09	-60.56	-35.0	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	5185.70	-33.96	-25.0	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	24743.55	-46.33	-25.0	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	0.02	-80.74	-55.0	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	0.15	-71.20	-45.0	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	778.36	-60.26	-35.0	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	5230.83	-33.08	-25.0	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	24744.60	-45.79	-25.0	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	0.02	-79.62	-55.0	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	0.18	-72.44	-45.0	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	901.55	-60.23	-35.0	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	5141.53	-32.58	-25.0	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	24754.05	-46.08	-25.0	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	0.02	-80.61	-55.0	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	0.15	-71.05	-45.0	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	789.03	-60.47	-35.0	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	5181.43	-31.23	-25.0	PASS

Band38	10MHz	QPSK	38000	1RB#0	20000~27000	24746.70	-46.13	-25.0	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	0.02	-79.12	-55.0	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	0.15	-70.77	-45.0	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	782.72	-60.37	-35.0	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	5220.85	-36.00	-25.0	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	24692.10	-46.23	-25.0	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	0.02	-81.00	-55.0	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	0.18	-72.78	-45.0	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	896.70	-60.35	-35.0	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	5141.53	-33.33	-25.0	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	24730.25	-45.90	-25.0	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	0.02	-79.83	-55.0	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	0.15	-69.62	-45.0	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	917.07	-60.63	-35.0	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	5181.43	-33.55	-25.0	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	24762.80	-46.12	-25.0	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	0.02	-81.13	-55.0	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	0.15	-71.86	-45.0	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	918.04	-60.48	-35.0	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	5221.33	-39.09	-25.0	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	24739.35	-45.95	-25.0	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	0.02	-79.00	-55.0	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	0.18	-72.11	-45.0	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	878.75	-60.25	-35.0	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	5141.53	-30.53	-25.0	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	24737.25	-46.09	-25.0	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	0.02	-80.56	-55.0	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	0.15	-69.82	-45.0	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	878.75	-60.63	-35.0	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	5176.68	-32.78	-25.0	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	24750.55	-46.32	-25.0	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	0.02	-77.29	-55.0	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	0.15	-69.86	-45.0	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	944.23	-60.45	-35.0	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	5211.83	-37.99	-25.0	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	24743.55	-45.76	-25.0	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	0.02	-79.00	-55.0	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	0.18	-72.08	-45.0	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	848.20	-60.57	-35.0	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	5141.53	-32.26	-25.0	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	24737.95	-46.33	-25.0	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	0.02	-79.79	-55.0	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	0.15	-70.72	-45.0	PASS
Band38	15MHz	16QAM	38000	1RB#0	30~1000	892.33	-60.43	-35.0	PASS

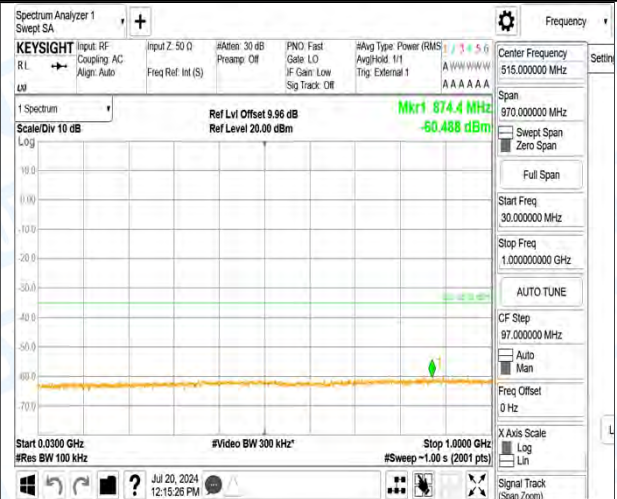
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	5176.68	-32.48	-25.0	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	24766.30	-46.29	-25.0	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	0.02	-77.54	-55.0	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	0.15	-71.41	-45.0	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	946.65	-60.60	-35.0	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	19003.93	-42.57	-25.0	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	24785.90	-46.40	-25.0	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	0.02	-80.95	-55.0	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	0.15	-72.13	-45.0	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	942.77	-60.34	-35.0	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	5142.48	-31.90	-25.0	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	24762.45	-46.07	-25.0	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	0.02	-81.06	-55.0	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	0.15	-70.71	-45.0	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	989.33	-60.66	-35.0	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	5171.93	-31.42	-25.0	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	24742.50	-45.97	-25.0	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	0.02	-81.12	-55.0	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	0.15	-70.72	-45.0	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	828.80	-60.52	-35.0	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	5202.33	-35.52	-25.0	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	24736.90	-46.48	-25.0	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	0.02	-79.76	-55.0	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	0.15	-69.75	-45.0	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	862.26	-60.35	-35.0	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	5142.00	-33.35	-25.0	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	24760.70	-46.24	-25.0	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	0.02	-80.05	-55.0	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	0.15	-70.64	-45.0	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	916.58	-60.55	-35.0	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	5171.93	-30.51	-25.0	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	24725.00	-46.33	-25.0	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	0.02	-79.61	-55.0	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.15~30	0.15	-69.10	-45.0	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	830.25	-60.39	-35.0	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	5202.33	-42.13	-25.0	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	24784.15	-46.14	-25.0	PASS

Test Graphs

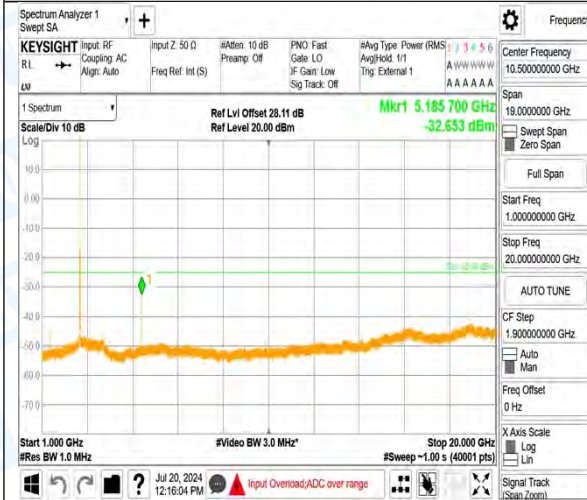




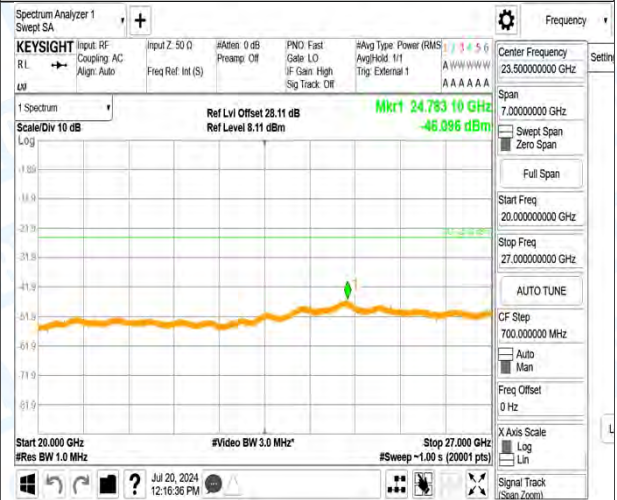
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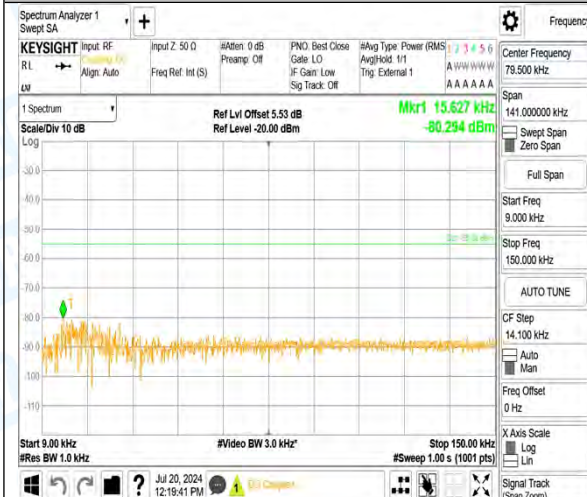
Band38_5MHz_QPSK_38000_1RB#0_20000~27000_20000~27000



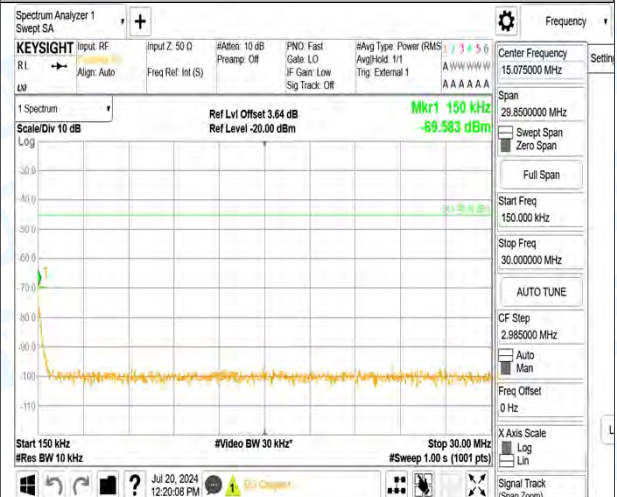
Band38_5MHz_QPSK_38225_1RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_QPSK_38225_1RB#0_0.15~30_0.15~30



Band38_5MHz_QPSK_38225_1RB#0_30~1000_30~1000



Band38_5MHz_QPSK_38225_1RB#0_1000~20000_1000~20000