

LTE Band 38 Test Data

General Description of EUT	
EUT Name:	Tractive Dog 6 XL
Model:	TG6XLC
Sample ID:	HC-C-202512-0263-01-01#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.87V
Test Engineer:	Lily Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202512-0263-151 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)	Limit(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.76	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.81	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.77	33	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.83	33	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.86	33	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.87	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.90	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	23.34	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	23.47	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	23.40	33	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.48	33	PASS
Band38	5MHz	QPSK	38000	12RB#6	22.46	33	PASS
Band38	5MHz	QPSK	38000	12RB#13	22.45	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	22.37	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	23.19	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	23.31	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	23.38	33	PASS
Band38	5MHz	QPSK	38225	12RB#0	22.25	33	PASS
Band38	5MHz	QPSK	38225	12RB#6	22.28	33	PASS
Band38	5MHz	QPSK	38225	12RB#13	22.30	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	22.31	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.92	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.72	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.94	33	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.80	33	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.81	33	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.84	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.89	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.57	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.60	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.51	33	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.56	33	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.42	33	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.52	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	21.33	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	22.31	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.21	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	22.41	33	PASS
Band38	5MHz	16QAM	38225	12RB#0	21.28	33	PASS
Band38	5MHz	16QAM	38225	12RB#6	21.20	33	PASS

Band38	5MHz	16QAM	38225	12RB#13	21.33	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	21.24	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.81	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.05	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.00	33	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.94	33	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.10	33	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.00	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.00	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.25	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	23.42	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.30	33	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.34	33	PASS
Band38	10MHz	QPSK	38000	25RB#12	22.44	33	PASS
Band38	10MHz	QPSK	38000	25RB#25	22.32	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	22.31	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.23	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	23.35	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.43	33	PASS
Band38	10MHz	QPSK	38200	25RB#0	22.19	33	PASS
Band38	10MHz	QPSK	38200	25RB#12	22.35	33	PASS
Band38	10MHz	QPSK	38200	25RB#25	22.30	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	22.16	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.18	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.29	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.23	33	PASS
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Band38	10MHz	16QAM	37800	25RB#12	21.10	33	PASS
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Band38	10MHz	16QAM	38000	1RB#0	21.58	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.64	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.66	33	PASS
Band38	10MHz	16QAM	38000	25RB#0	21.32	33	PASS
Band38	10MHz	16QAM	38000	25RB#12	21.43	33	PASS
Band38	10MHz	16QAM	38000	25RB#25	21.31	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.05	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.23	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.20	33	PASS
Band38	10MHz	16QAM	38200	25RB#0	21.17	33	PASS
Band38	10MHz	16QAM	38200	25RB#12	21.34	33	PASS
Band38	10MHz	16QAM	38200	25RB#25	21.38	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.05	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	23.08	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.29	33	PASS

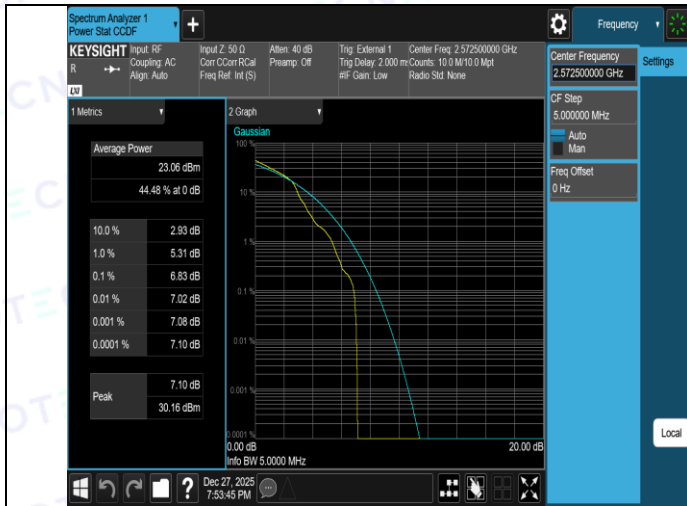
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Band38	15MHz	QPSK	37825	36RB#18	22.16	33	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.13	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.05	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.37	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	23.36	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.37	33	PASS
Band38	15MHz	QPSK	38000	36RB#0	22.33	33	PASS
Band38	15MHz	QPSK	38000	36RB#18	22.45	33	PASS
Band38	15MHz	QPSK	38000	36RB#39	22.33	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	22.34	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.32	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	23.32	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.43	33	PASS
Band38	15MHz	QPSK	38175	36RB#0	22.19	33	PASS
Band38	15MHz	QPSK	38175	36RB#18	22.33	33	PASS
Band38	15MHz	QPSK	38175	36RB#39	22.28	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	22.25	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.25	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.30	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	21.59	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.65	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.66	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.60	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.23	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.45	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.30	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.56	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.89	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.89	33	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.80	33	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.99	33	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.01	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.88	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.02	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	23.34	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.01	33	PASS
Band38	20MHz	QPSK	38000	50RB#0	22.27	33	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.38	33	PASS
Band38	20MHz	QPSK	38000	50RB#50	22.27	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	22.32	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.06	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	23.20	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.21	33	PASS

Band38	20MHz	QPSK	38150	50RB#0	22.15	33	PASS
Band38	20MHz	QPSK	38150	50RB#25	22.26	33	PASS
Band38	20MHz	QPSK	38150	50RB#50	22.17	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	22.15	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	20.69	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.79	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.05	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.23	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.25	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.18	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.83	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	22.03	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.82	33	PASS

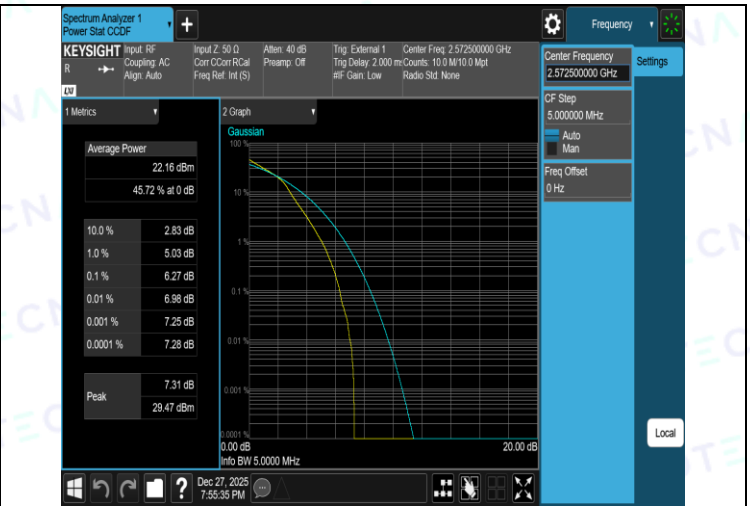
2: Peak-to-Average Ratio(CCDF)

Test Result

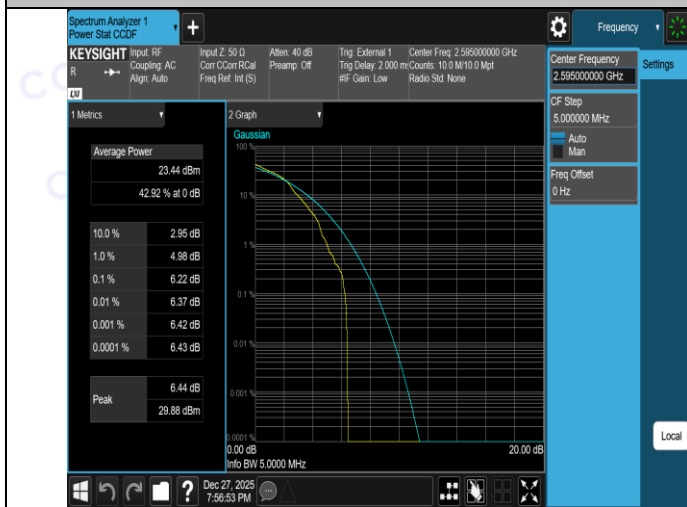
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	5.26	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.68	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	6.11	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.67	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	5.28	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.67	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	6.83	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.27	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	6.22	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.17	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	6.82	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.26	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	4.93	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.58	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	6.27	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.51	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	4.90	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.57	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	6.45	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	5.69	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	6.43	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	4.91	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.91	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	5.86	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.85	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	4.88	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.89	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	6.40	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	7.62	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	6.39	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	6.57	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.52	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	6.02	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.61	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	6.55	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.50	13	PASS



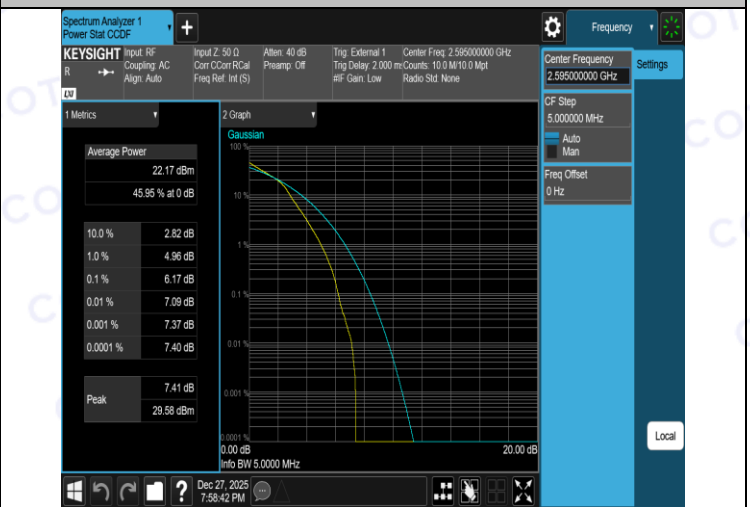
Band38-5MHz-16QAM-38000-1RB#0-PASS



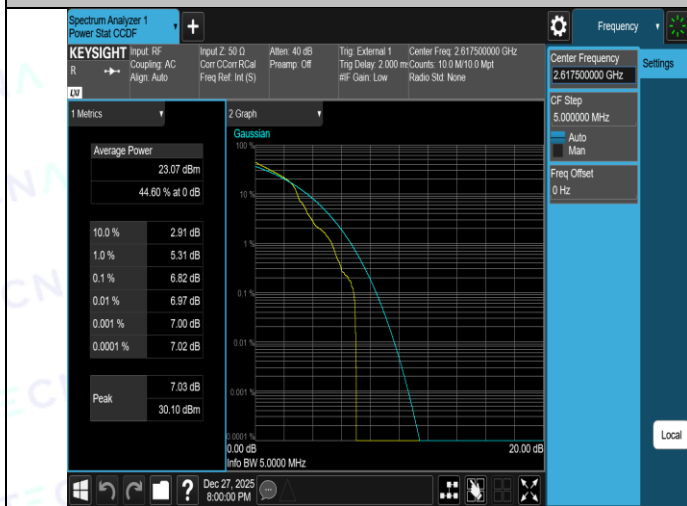
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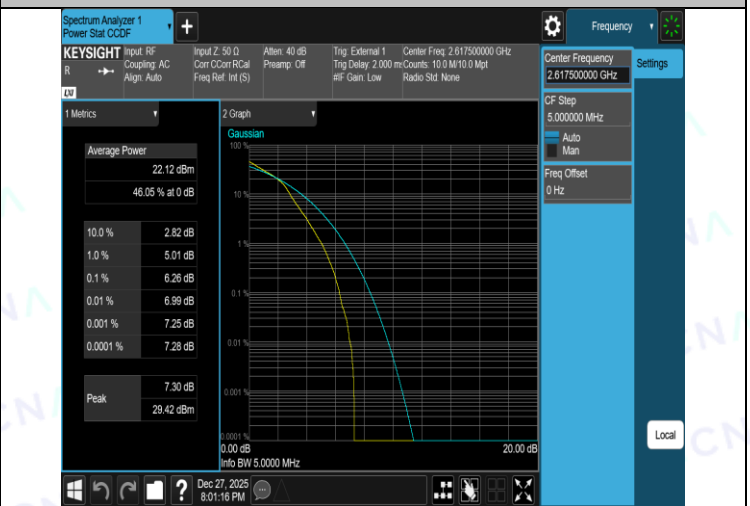
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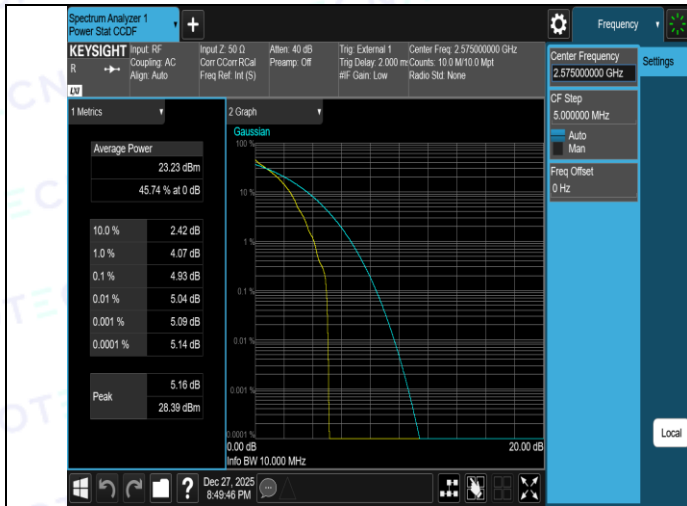
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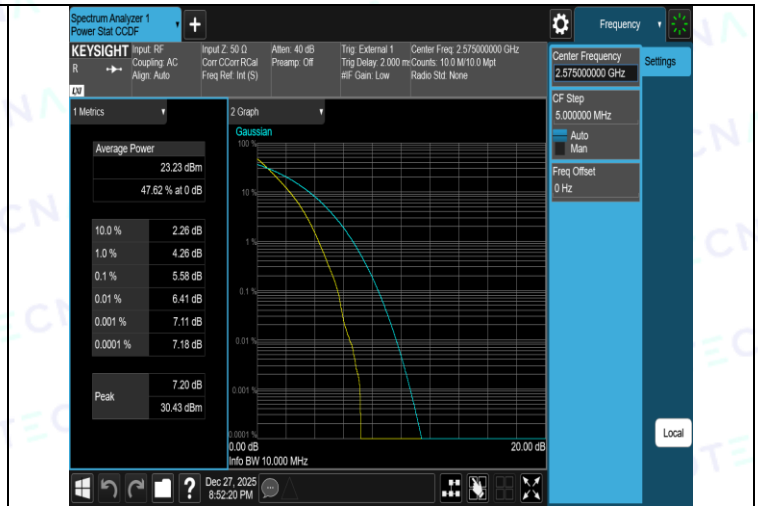
Band38-10MHz-QPSK-37800-1RB#0-PASS



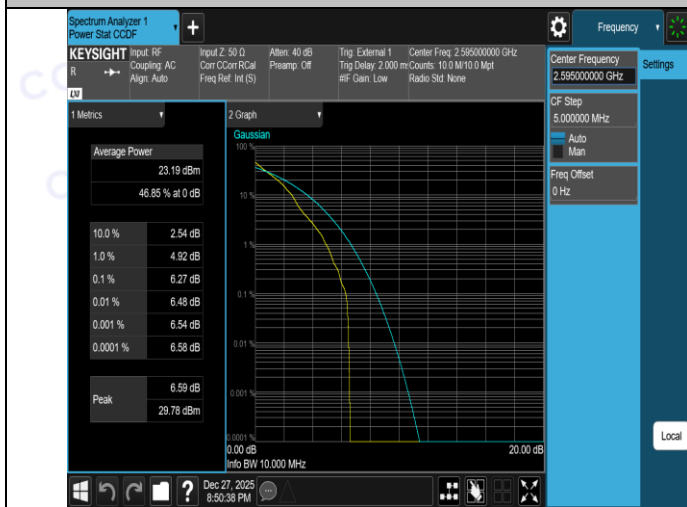
Band38-10MHz-QPSK-37800-50RB#0-PASS



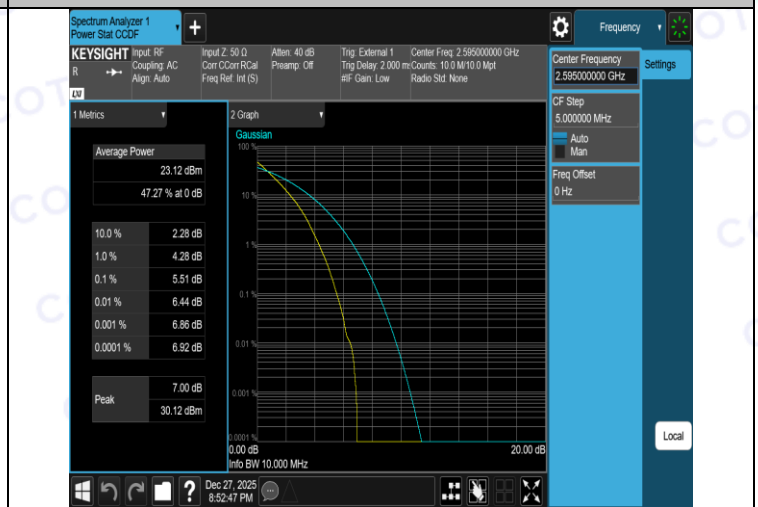
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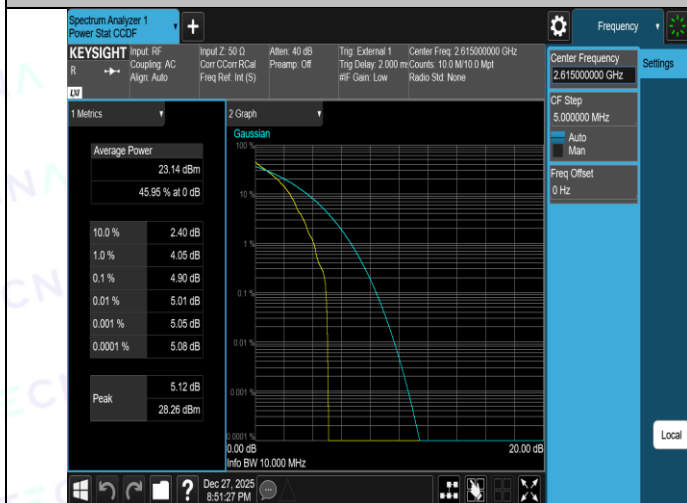
Band38-10MHz-QPSK-38000-50RB#0-PASS



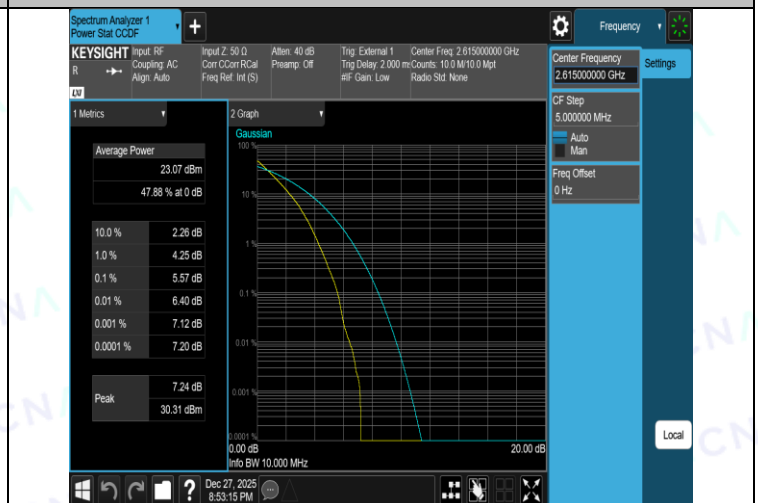
Band38-10MHz-QPSK-38200-1RB#0-PASS



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



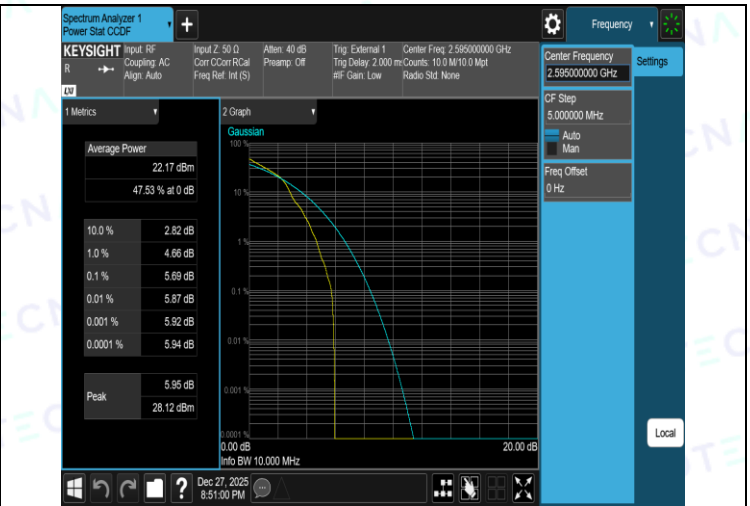
Band38-10MHz-16QAM-37800-1RB#0-PASS



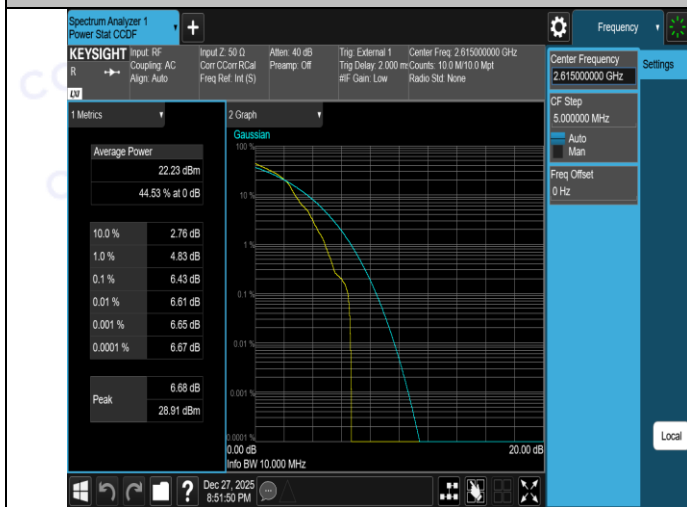
Band38-10MHz-16QAM-38000-1RB#0-PASS



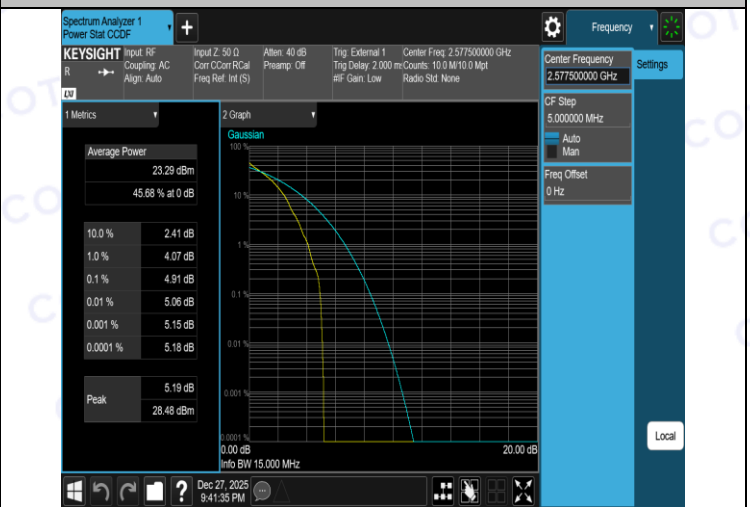
Band38-10MHz-16QAM-38200-1RB#0-PASS



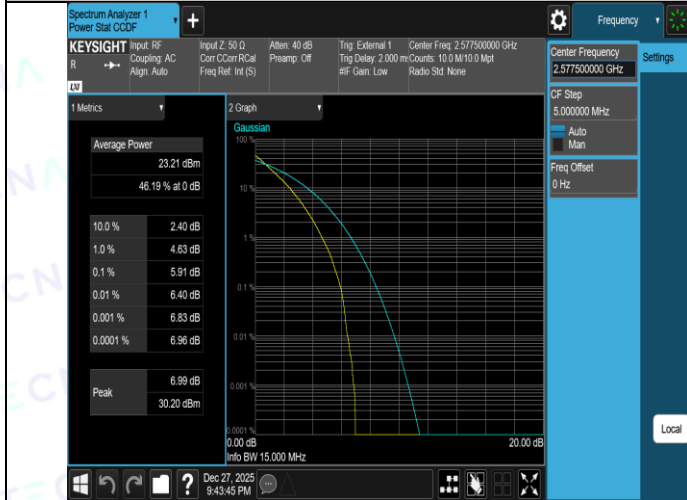
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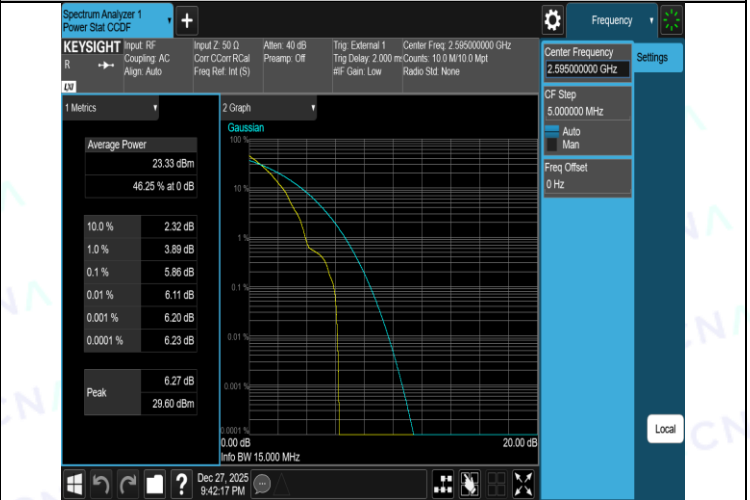
Band38-15MHz-QPSK-37825-75RB#0-PASS



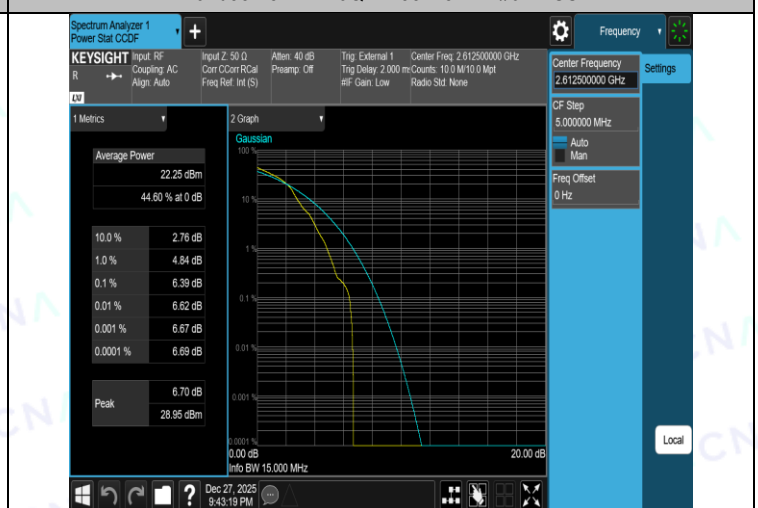
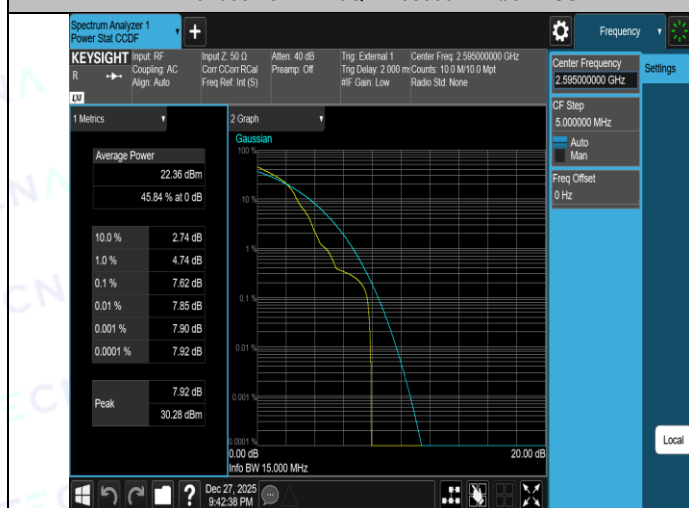
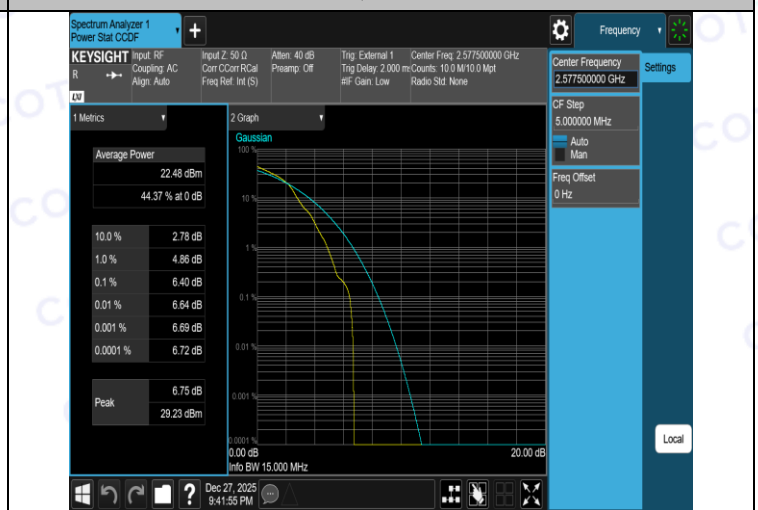
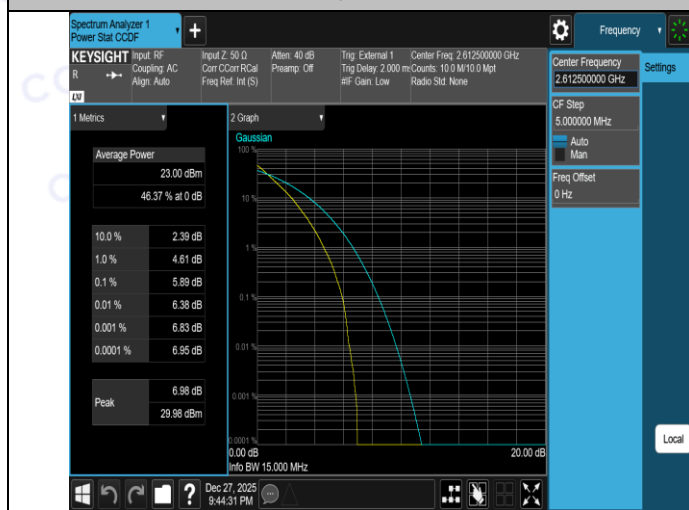
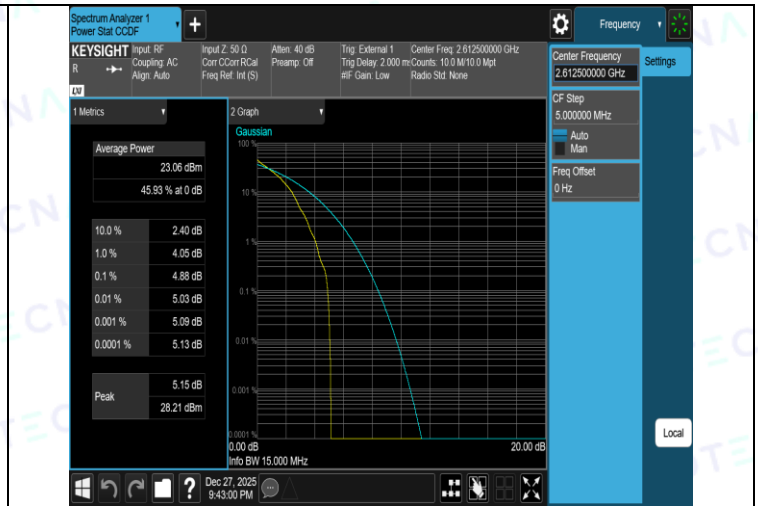
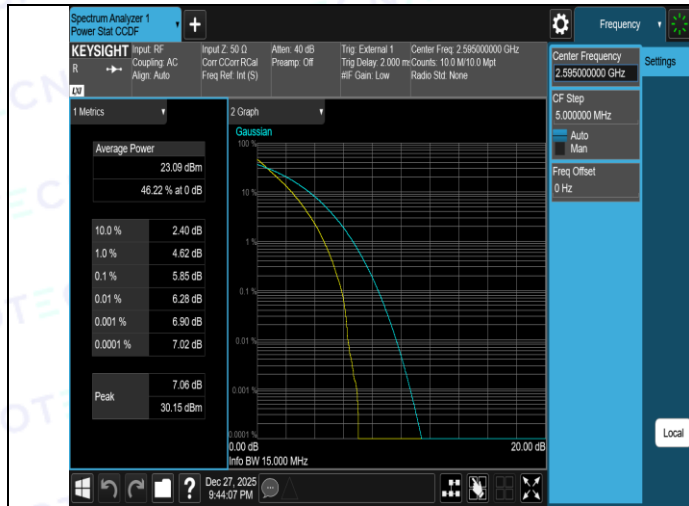
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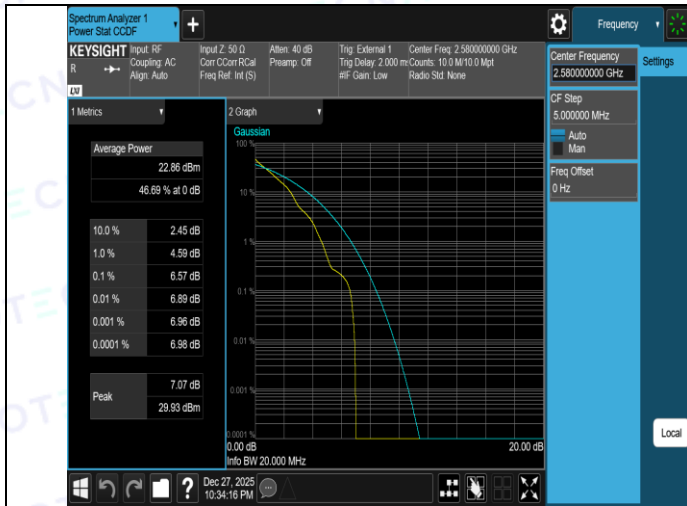


Band38-15MHz-QPSK-38000-75RB#0-PASS

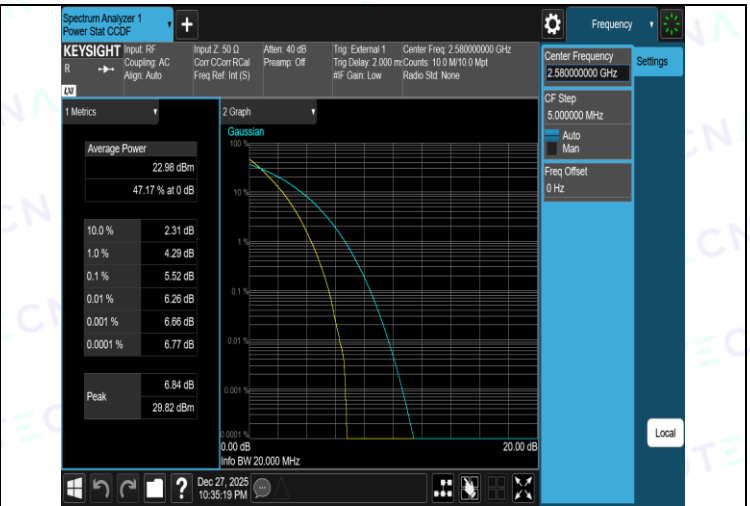


Band38-15MHz-QPSK-38175-1RB#0-PASS

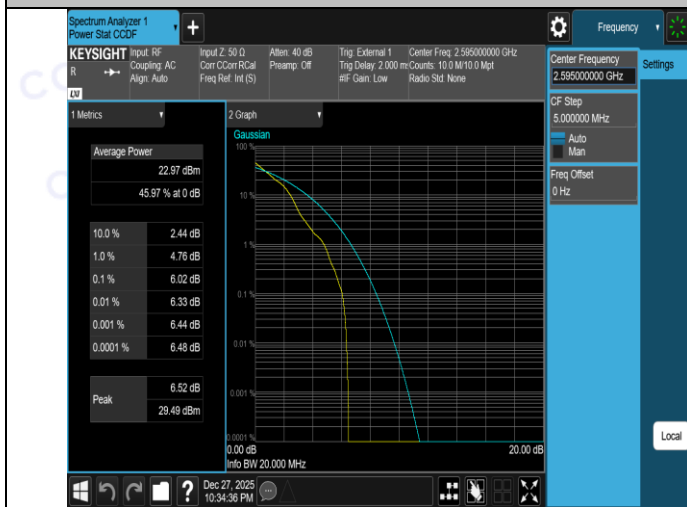




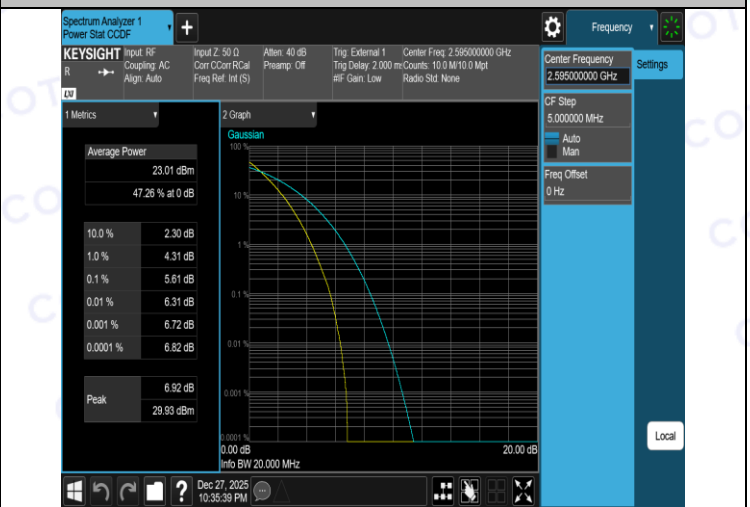
Band38-20MHz-QPSK-38000-1RB#0-PASS



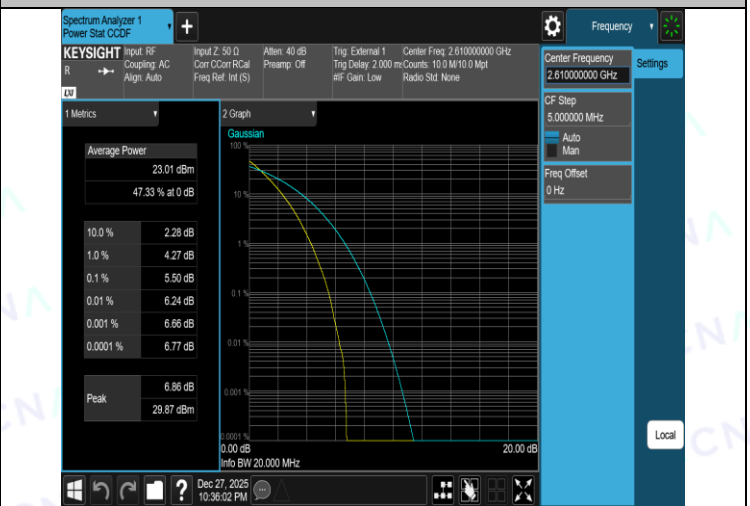
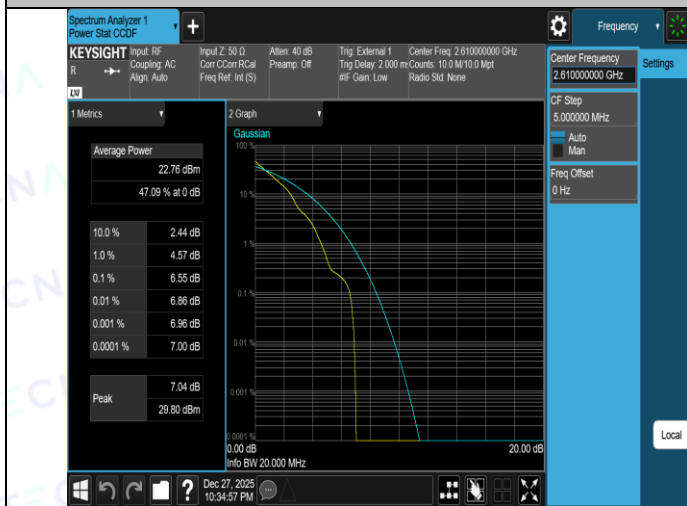
Band38-20MHz-QPSK-38000-100RB#0-PASS



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



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

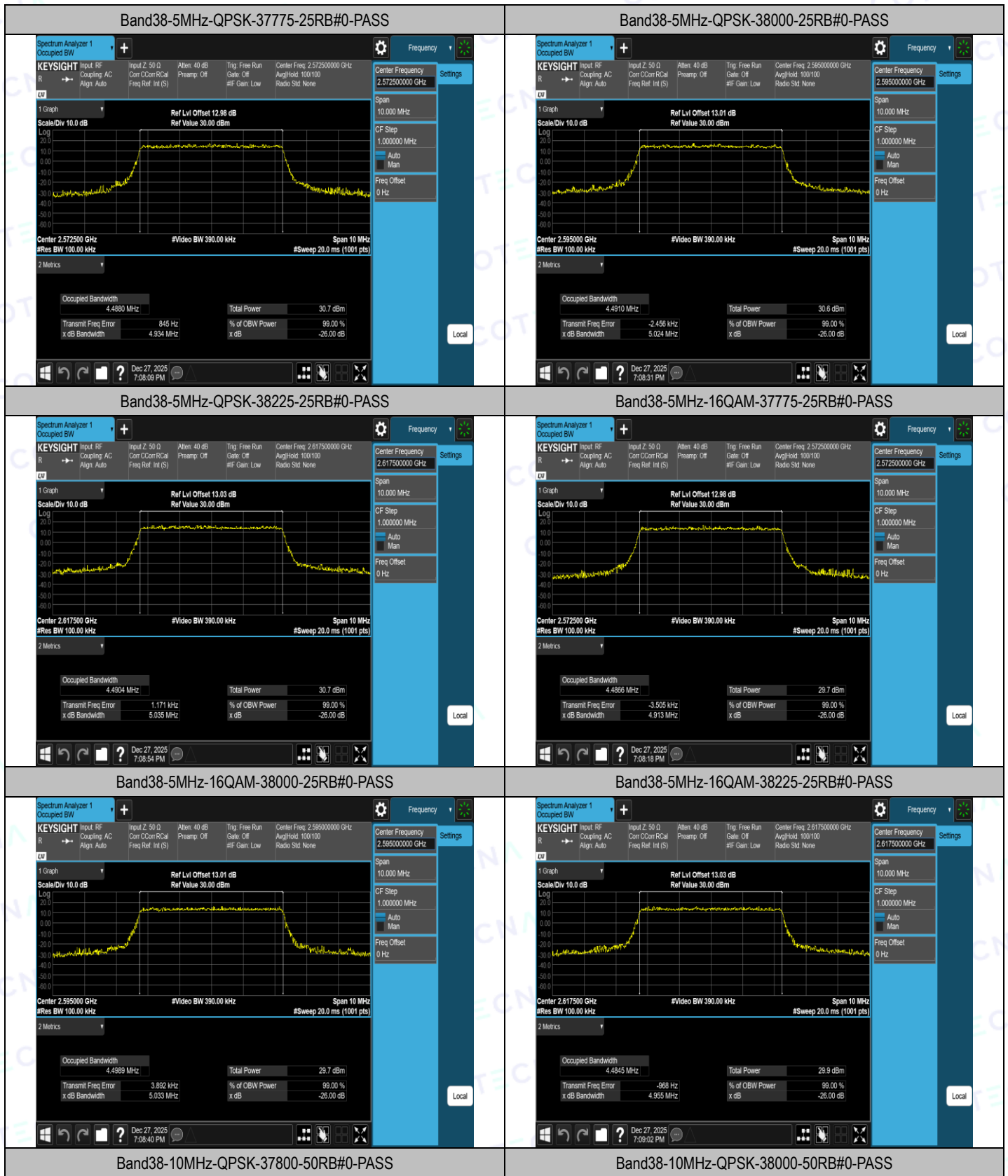


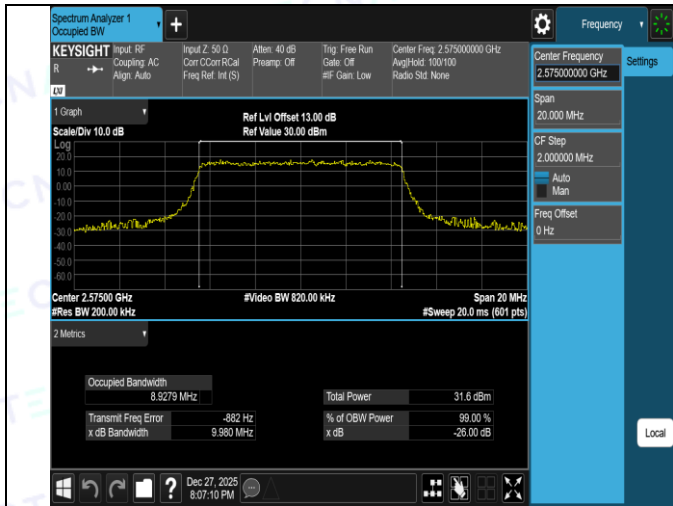
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

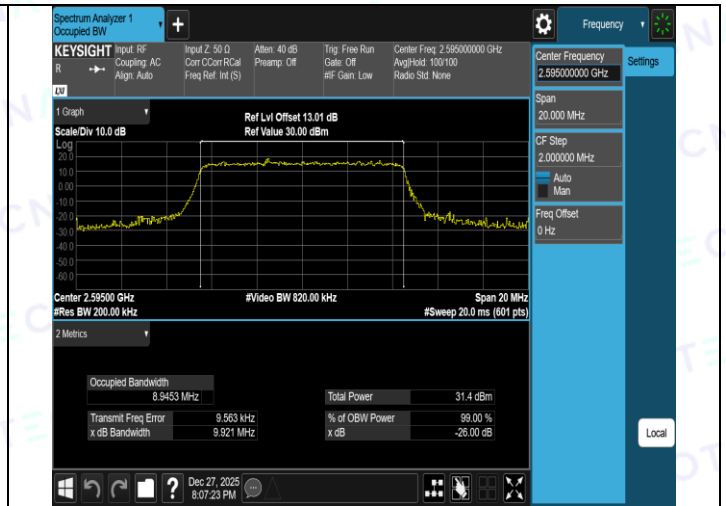
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4880	4.934	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4910	5.024	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4904	5.035	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4866	4.913	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4989	5.033	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4845	4.955	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9279	9.980	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9453	9.921	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9362	10.11	PASS
Band38	10MHz	16QAM	37800	27RB#0	4.9252	5.948	PASS
Band38	10MHz	16QAM	38000	27RB#0	4.9580	6.024	PASS
Band38	10MHz	16QAM	38200	27RB#0	4.9433	5.905	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.431	14.96	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.421	14.91	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.441	14.83	PASS
Band38	15MHz	16QAM	37825	27RB#0	5.1200	6.369	PASS
Band38	15MHz	16QAM	38000	27RB#0	5.1315	6.734	PASS
Band38	15MHz	16QAM	38175	27RB#0	5.1368	6.561	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.822	19.53	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.868	19.65	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.801	19.71	PASS
Band38	20MHz	16QAM	37850	27RB#0	5.2144	6.636	PASS
Band38	20MHz	16QAM	38000	27RB#0	5.2872	7.018	PASS
Band38	20MHz	16QAM	38150	27RB#0	5.2018	6.780	PASS

Test Graphs

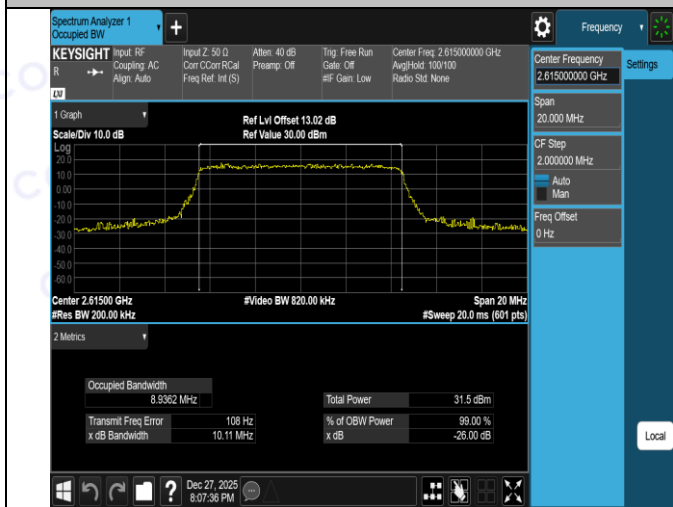




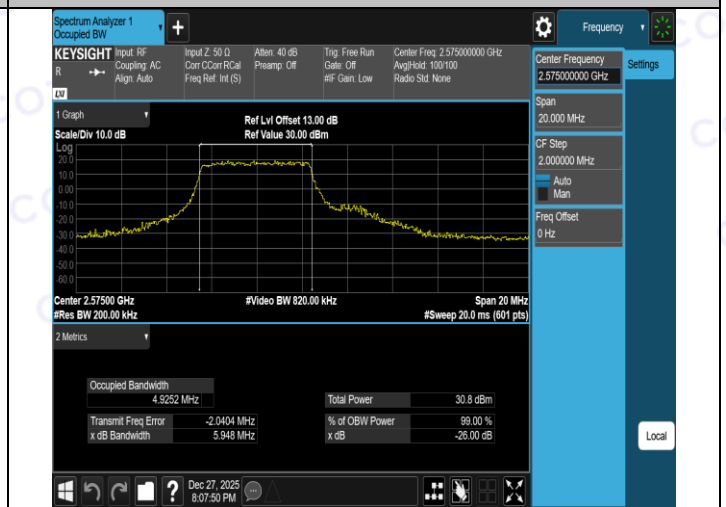
Band38-10MHz-QPSK-38200-50RB#0-PASS



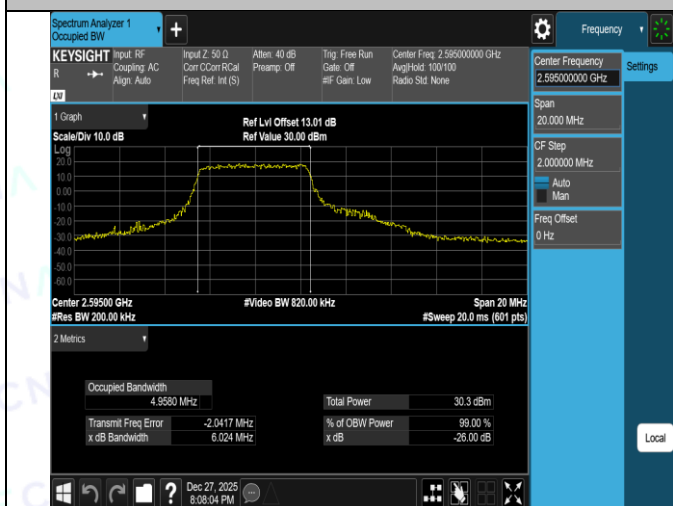
Band38-10MHz-16QAM-37800-27RB#0-PASS



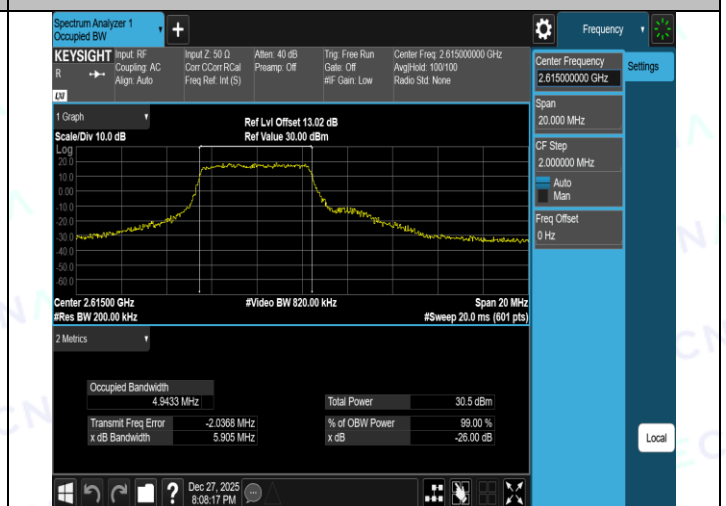
Band38-10MHz-16QAM-38000-27RB#0-PASS



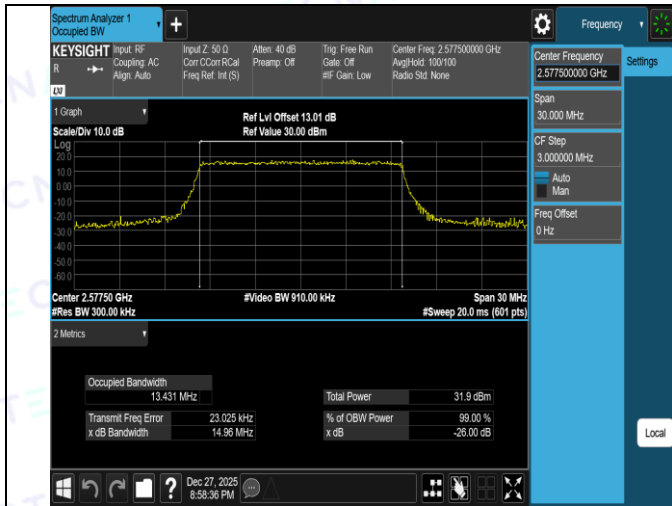
Band38-10MHz-16QAM-38200-27RB#0-PASS



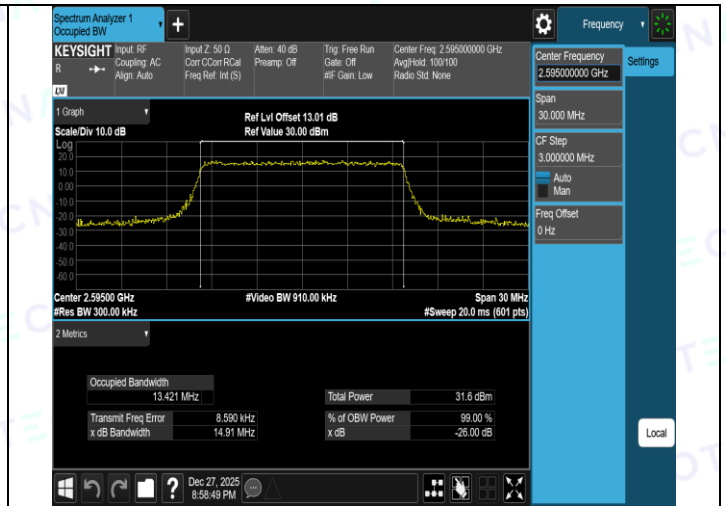
Band38-15MHz-QPSK-37825-75RB#0-PASS



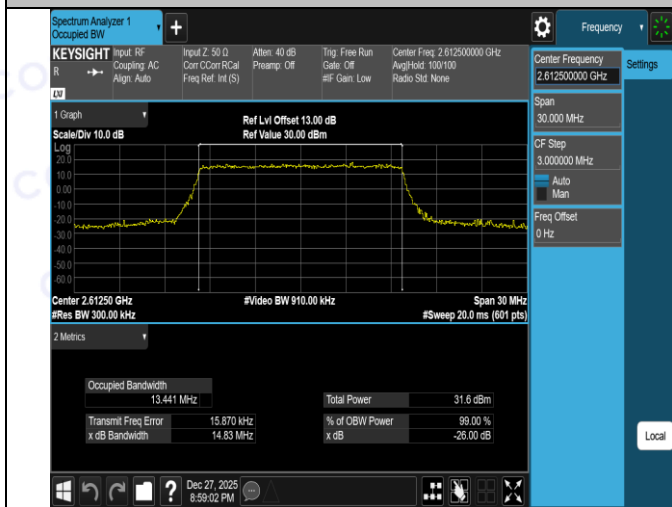
Band38-15MHz-QPSK-38000-75RB#0-PASS



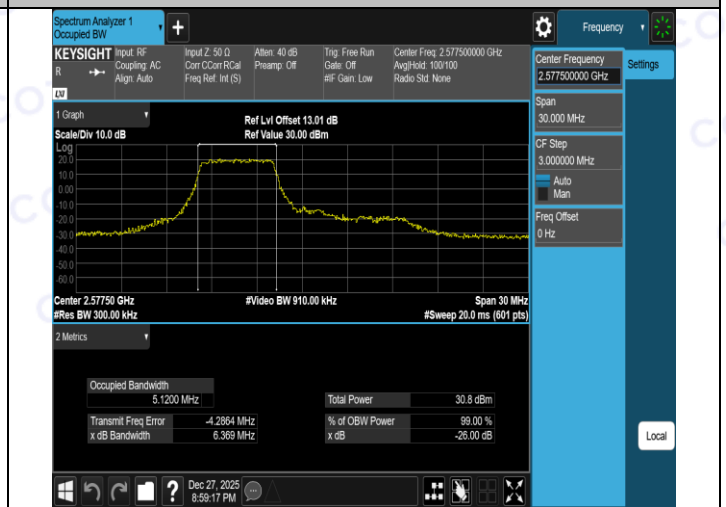
Band38-15MHz-QPSK-38175-75RB#0-PASS



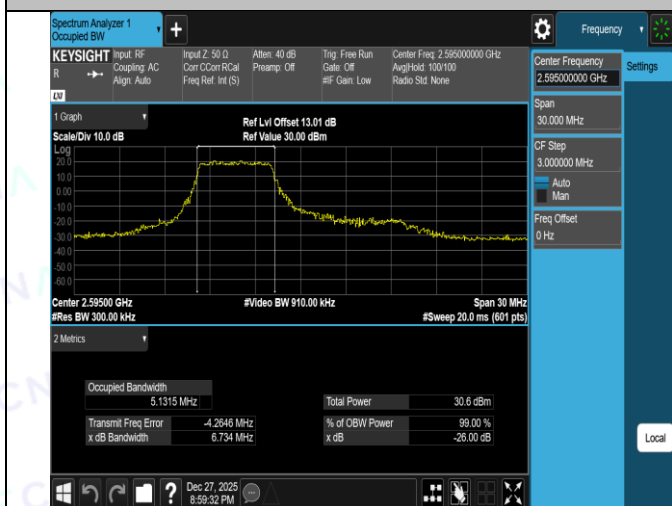
Band38-15MHz-16QAM-37825-27RB#0-PASS



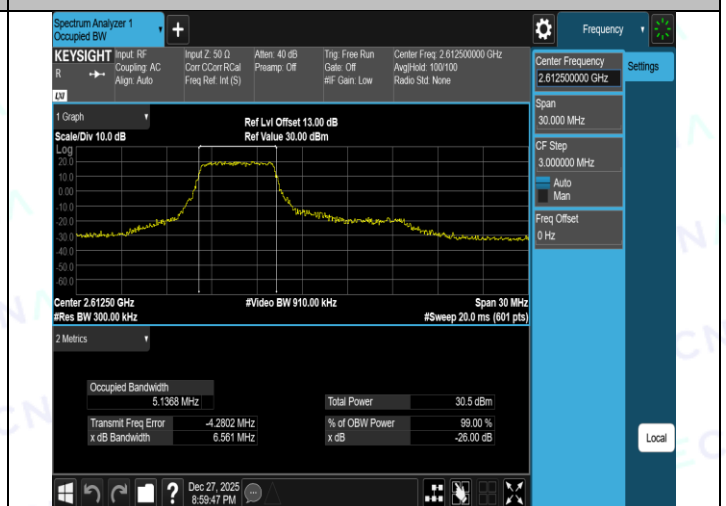
Band38-15MHz-16QAM-38000-27RB#0-PASS



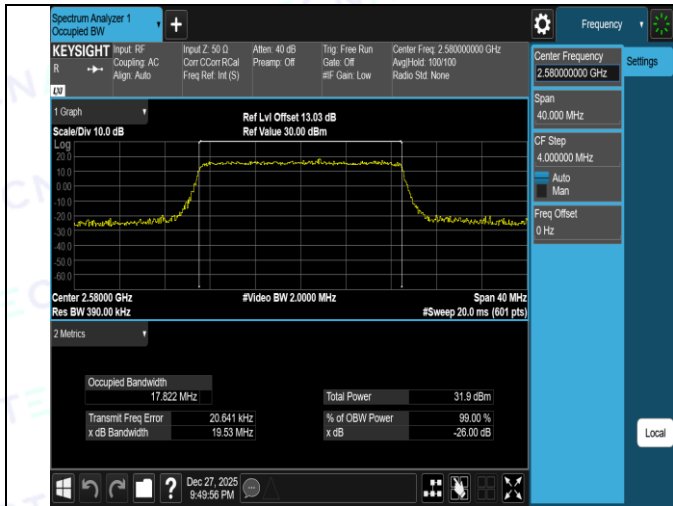
Band38-15MHz-16QAM-38175-27RB#0-PASS



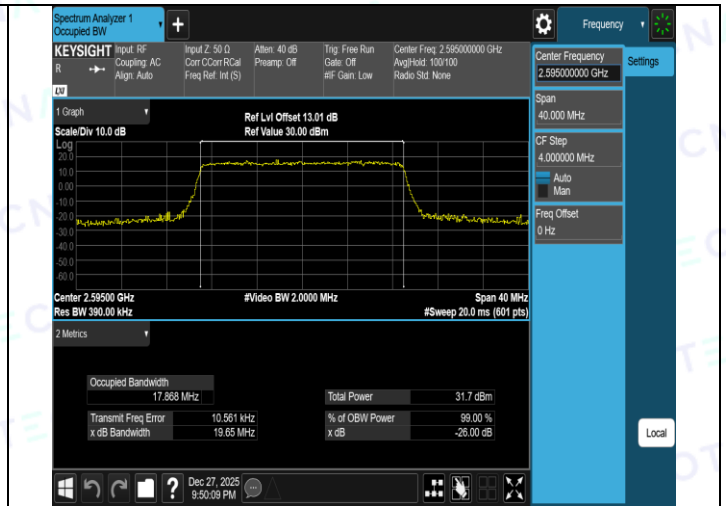
Band38-20MHz-QPSK-37850-100RB#0-PASS



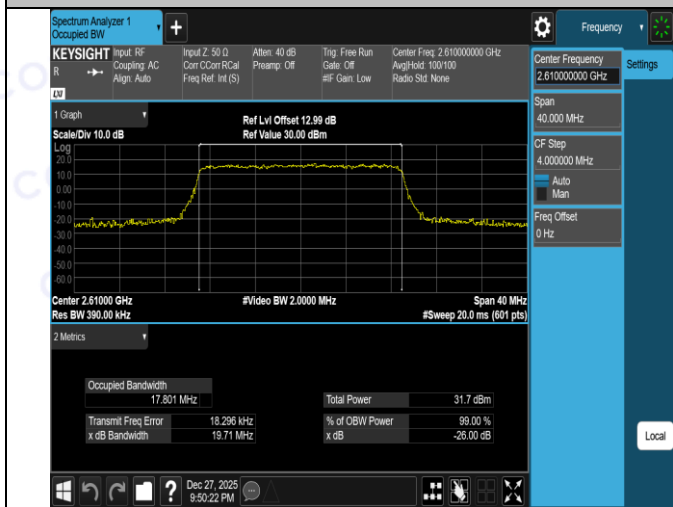
Band38-20MHz-QPSK-38000-100RB#0-PASS



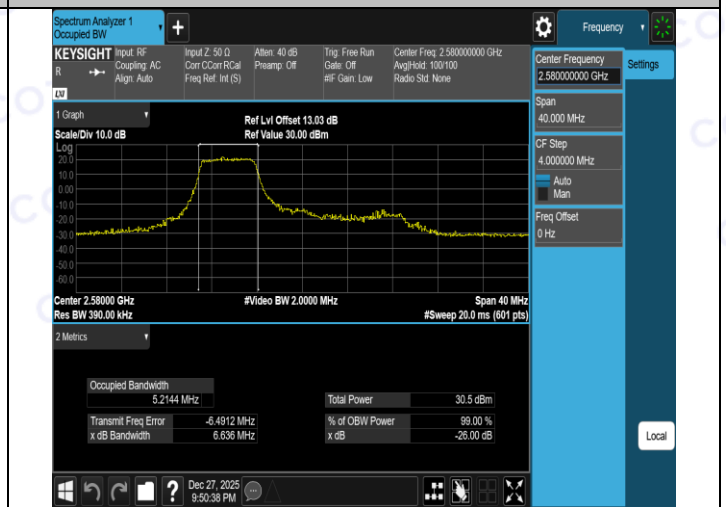
Band38-20MHz-QPSK-38150-100RB#0-PASS



Band38-20MHz-16QAM-37850-27RB#0-PASS



Band38-20MHz-16QAM-38000-27RB#0-PASS



Band38-20MHz-16QAM-38150-27RB#0-PASS

