

LTE Test Data-B38

General Description of EUT	
Product Name:	TG7A
Test Model:	HC-C-202601-0392-5-02
Sample ID:	Tractive DOG 6 mini, Tractive CAT 6 mini
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.88V
Test Engineer:	Lily Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202601-0392-91. 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	22.53	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.65	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.51	33	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.64	33	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.61	33	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.63	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.66	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.35	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.43	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.39	33	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.55	33	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.41	33	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.42	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.44	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.37	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.23	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.17	33	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.44	33	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.37	33	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.36	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.38	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.64	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.54	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.66	33	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.63	33	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.61	33	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.63	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.68	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.46	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.60	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.58	33	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.68	33	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.56	33	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.54	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.49	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.37	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.75	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.22	33	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.39	33	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.31	33	PASS

Band38	5MHz	16QAM	38225	12RB#13	20.30	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.33	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.23	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.77	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.30	33	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.52	33	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.73	33	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.58	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.57	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	20.95	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.56	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.15	33	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.48	33	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.62	33	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.47	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.40	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.15	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.61	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	20.92	33	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.55	33	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.61	33	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.36	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.40	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.04	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.69	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	19.99	33	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.47	33	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.71	33	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.57	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	20.23	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.15	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	20.32	33	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.52	33	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.56	33	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.50	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	20.46	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.80	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	20.11	33	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.57	33	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.67	33	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.40	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.20	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.72	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.16	33	PASS
Band38	15MHz	QPSK	37825	36RB#0	21.75	33	PASS

Band38	15MHz	QPSK	37825	36RB#18	21.86	33	PASS
Band38	15MHz	QPSK	37825	36RB#39	21.70	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.74	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.04	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.55	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.21	33	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.63	33	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.79	33	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.65	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.65	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.27	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.79	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.12	33	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.80	33	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.80	33	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.57	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.74	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	20.43	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.26	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	20.33	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	20.38	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.75	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	20.43	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	20.30	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	22.01	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	19.97	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	20.84	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.69	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	20.81	33	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.57	33	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.66	33	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.45	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.53	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	20.76	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.64	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	20.96	33	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.45	33	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.64	33	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.49	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.49	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	20.79	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.67	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	20.59	33	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.52	33	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.69	33	PASS

Band38	20MHz	QPSK	38150	50RB#50	21.45	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.48	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	19.63	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.49	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	19.67	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	19.87	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.23	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.08	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	19.76	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.59	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	19.64	33	PASS

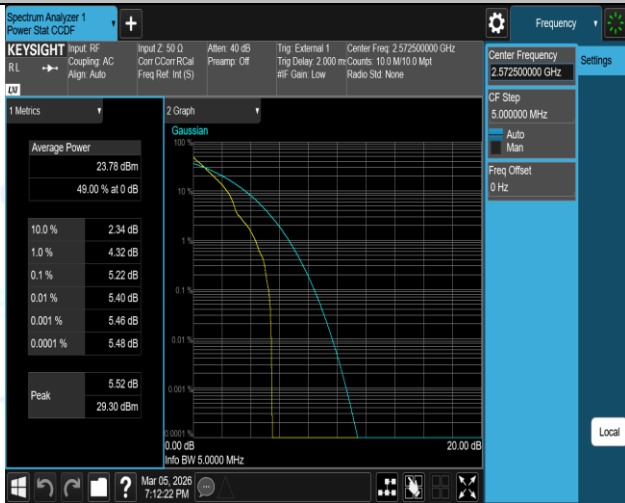
2: Peak-to-Average Ratio(CCDF)

Test Result

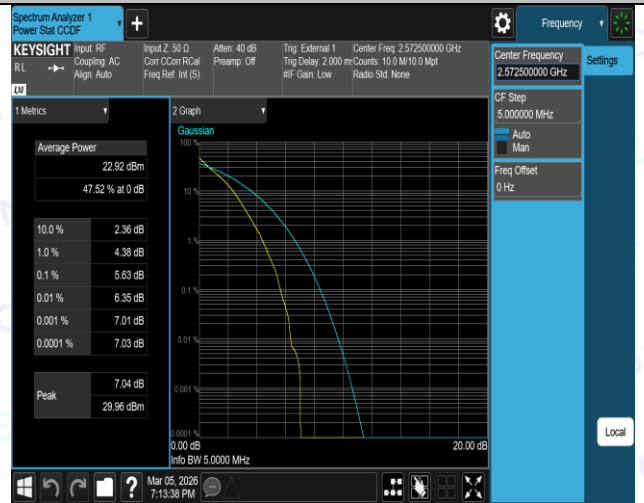
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	5.22	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	5.63	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	6.05	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	5.67	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	5.25	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	5.64	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	6.75	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	6.23	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	6.14	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	6.14	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	6.75	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	6.25	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	4.94	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	5.53	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	6.26	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	5.50	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	4.95	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	5.50	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	6.44	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	5.70	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	6.46	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	4.95	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	5.88	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	5.89	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	5.82	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	4.94	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	5.91	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	6.45	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	7.65	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	6.45	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	6.62	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	5.51	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	6.08	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	5.58	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	6.63	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	5.54	13	PASS

Test Graphs

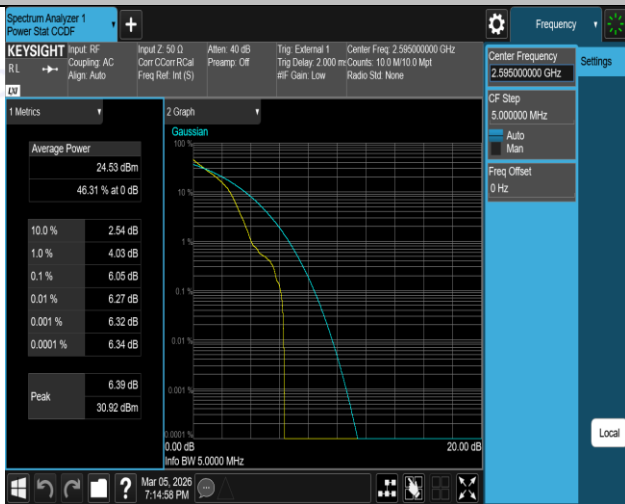
Band38-5MHz-QPSK-37775-1RB#0-PASS



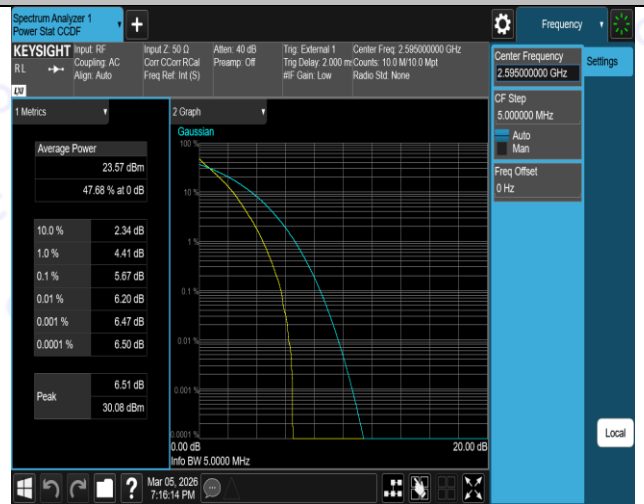
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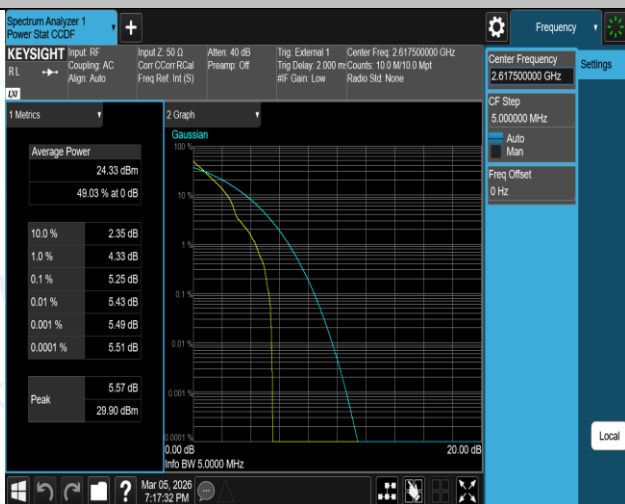
Band38-5MHz-QPSK-38000-1RB#0-PASS



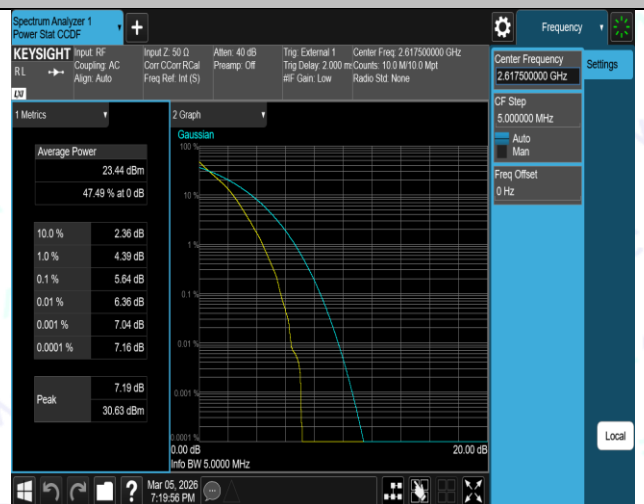
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Band38-5MHz-QPSK-38225-1RB#0-PASS



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

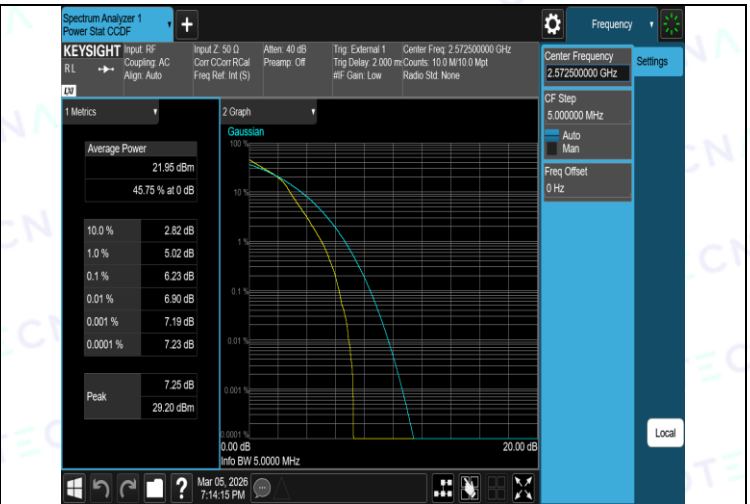


Band38-5MHz-16QAM-37775-1RB#0-PASS

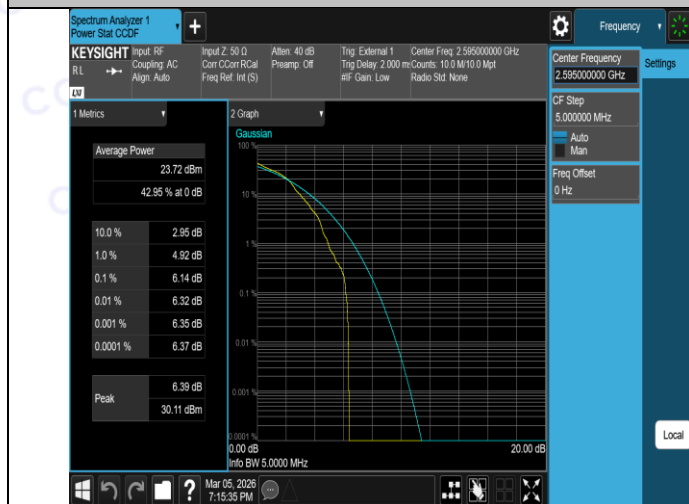
Band38-5MHz-16QAM-37775-25RB#0-PASS



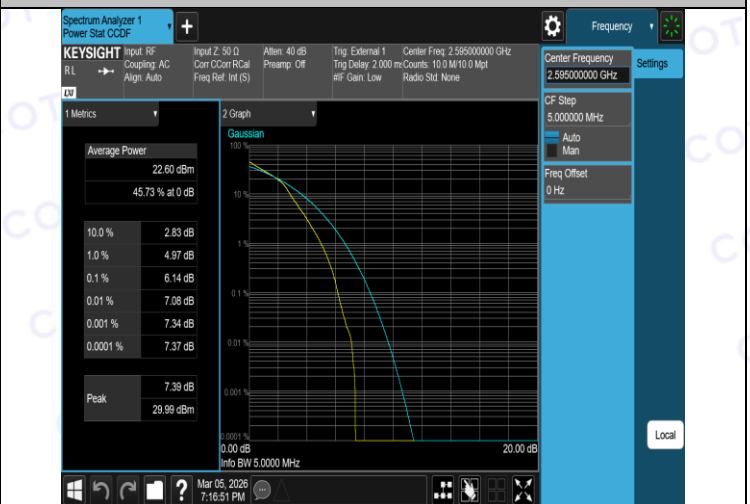
Band38-5MHz-16QAM-38000-1RB#0-PASS



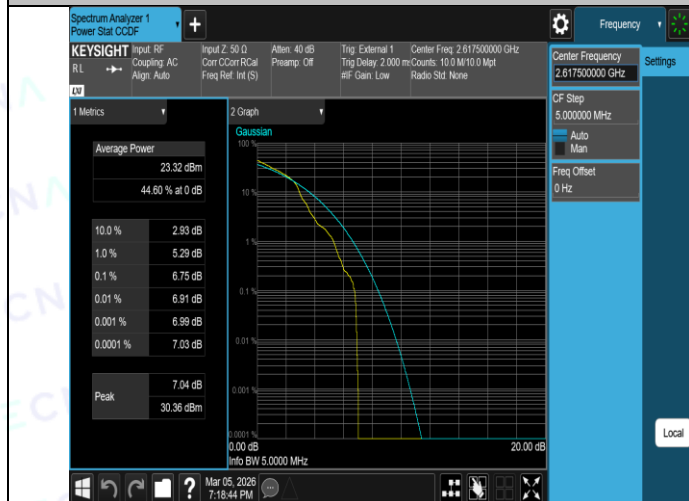
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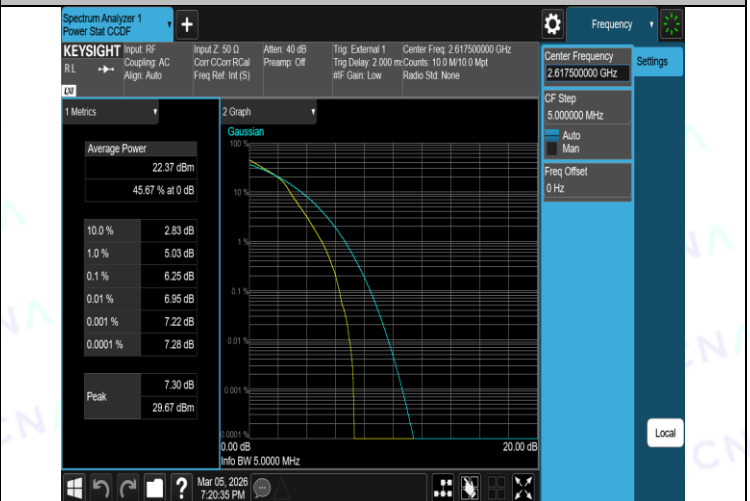
Band38-5MHz-16QAM-38225-1RB#0-PASS



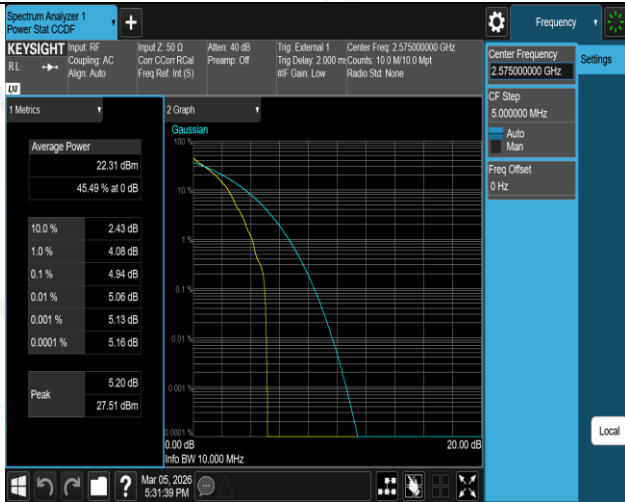
Band38-5MHz-16QAM-38225-25RB#0-PASS



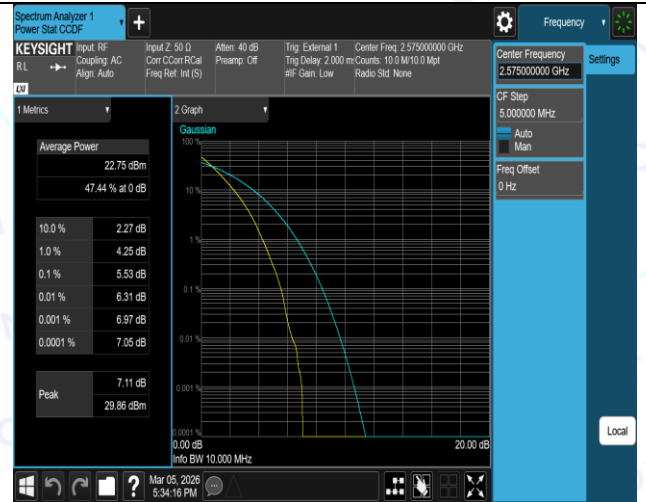
Band38-10MHz-QPSK-37800-1RB#0-PASS



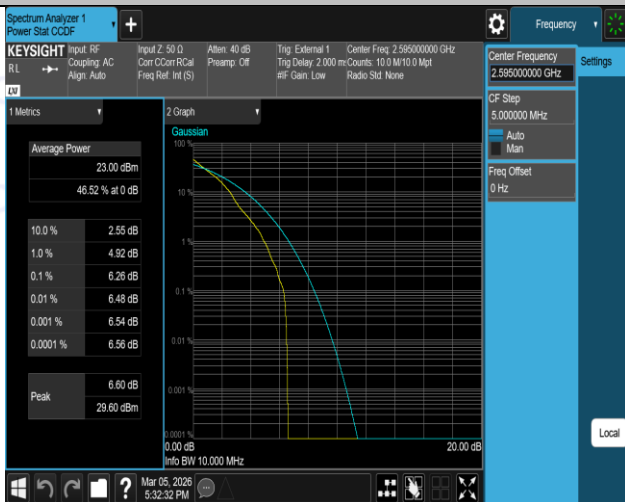
Band38-10MHz-QPSK-37800-50RB#0-PASS



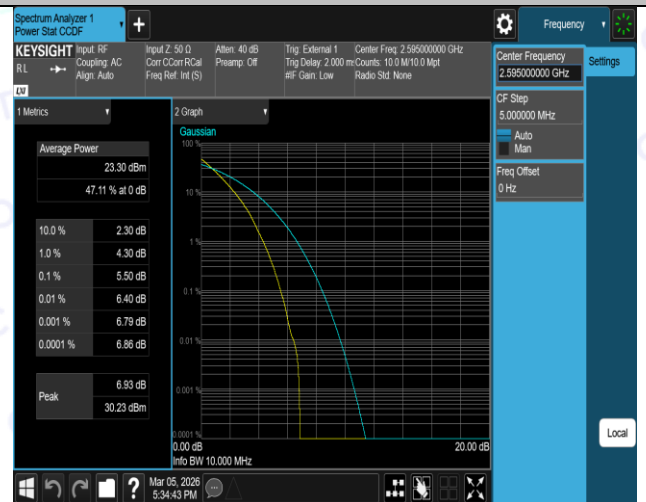
Band38-10MHz-QPSK-38000-1RB#0-PASS



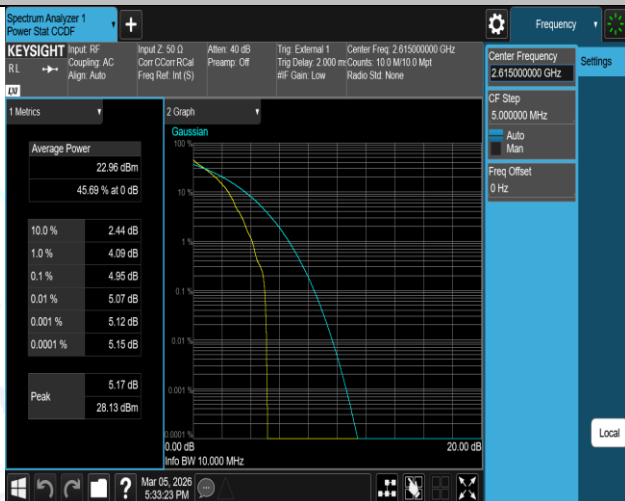
Band38-10MHz-QPSK-38000-50RB#0-PASS



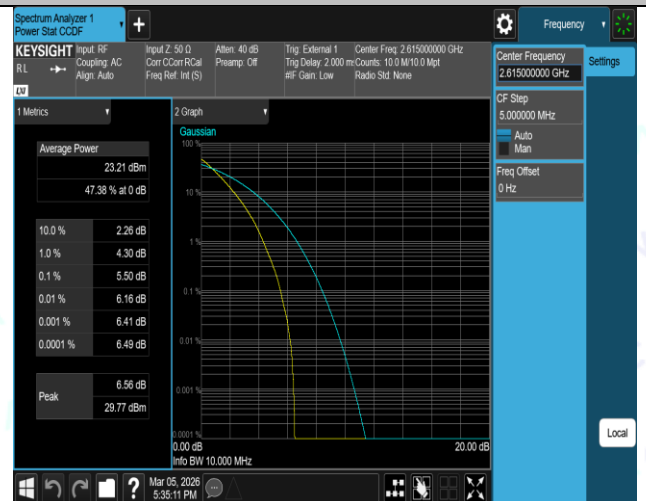
Band38-10MHz-QPSK-38200-1RB#0-PASS



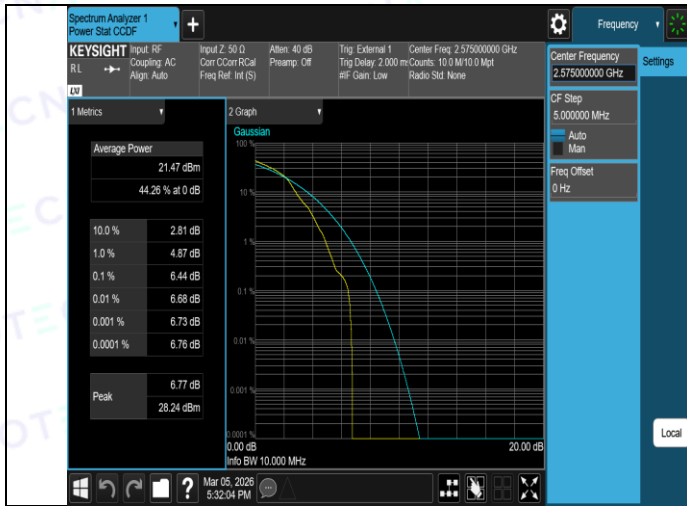
Band38-10MHz-QPSK-38200-50RB#0-PASS



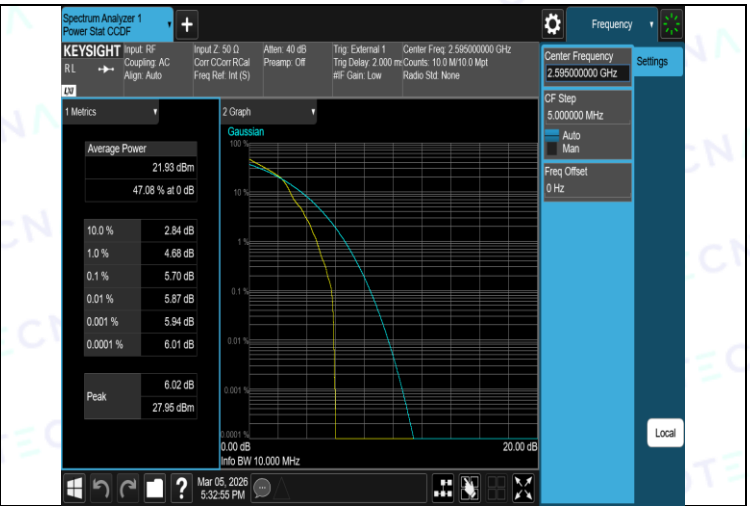
Band38-10MHz-16QAM-37800-1RB#0-PASS



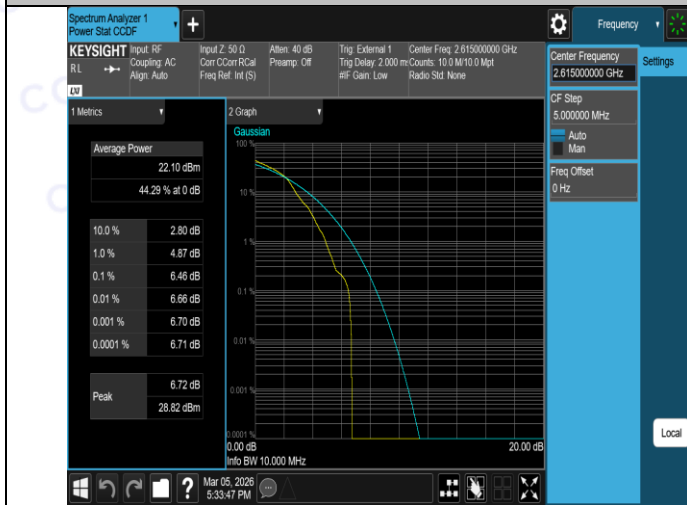
Band38-10MHz-16QAM-38000-1RB#0-PASS



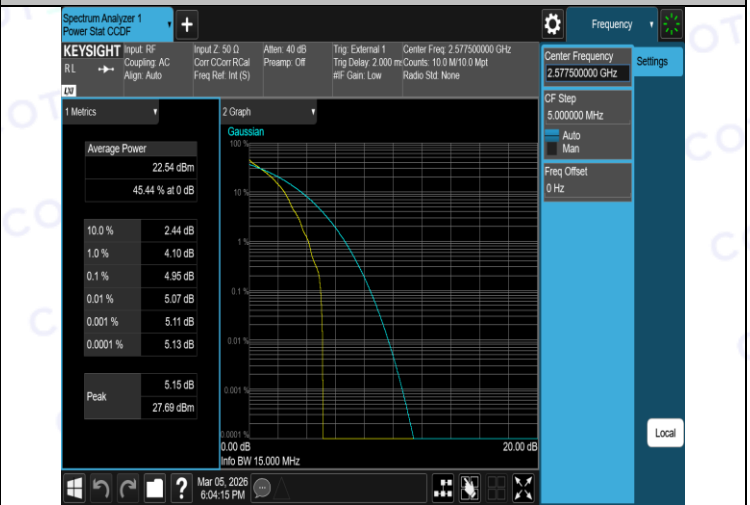
Band38-10MHz-16QAM-38200-1RB#0-PASS



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



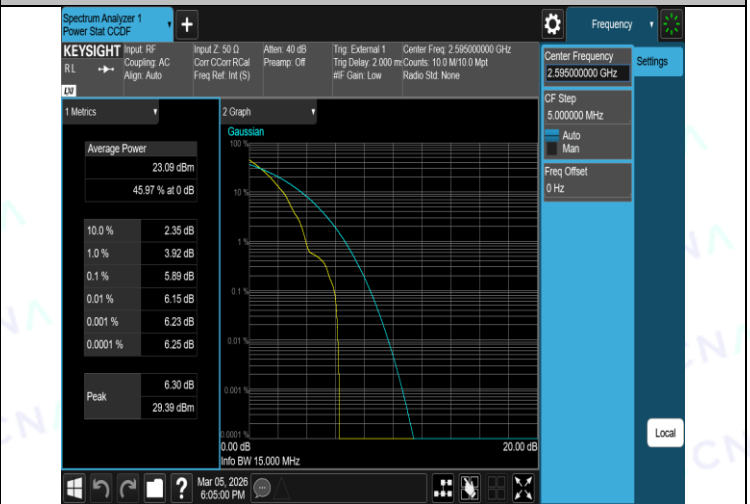
Band38-15MHz-QPSK-37825-75RB#0-PASS



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



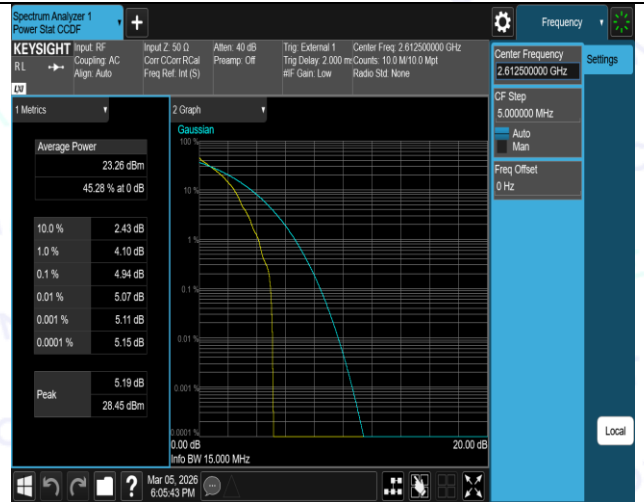
Band38-15MHz-QPSK-38000-75RB#0-PASS



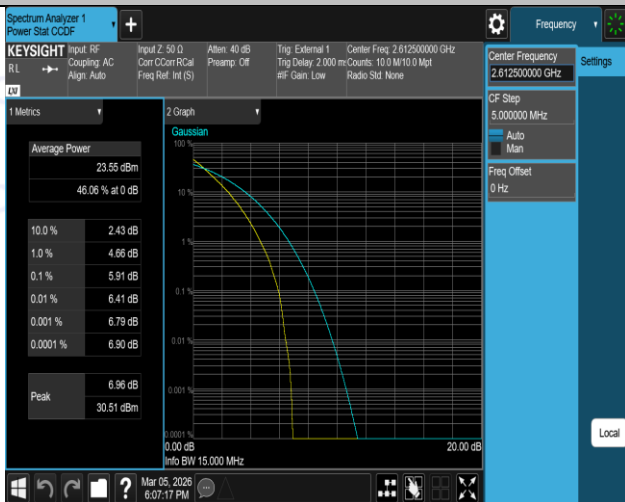
Band38-15MHz-QPSK-38175-1RB#0-PASS



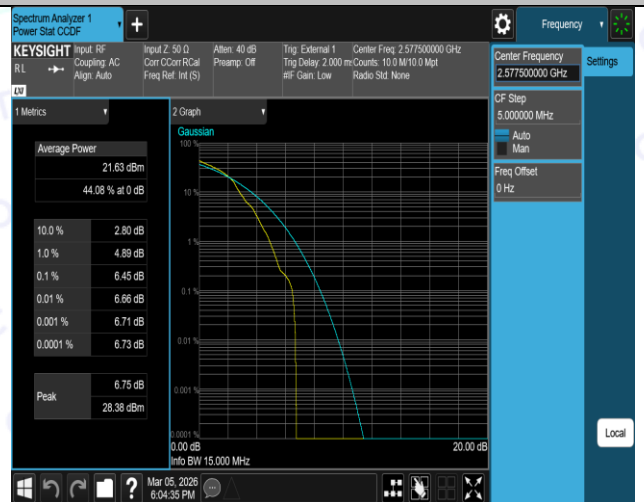
Band38-15MHz-QPSK-38175-75RB#0-PASS



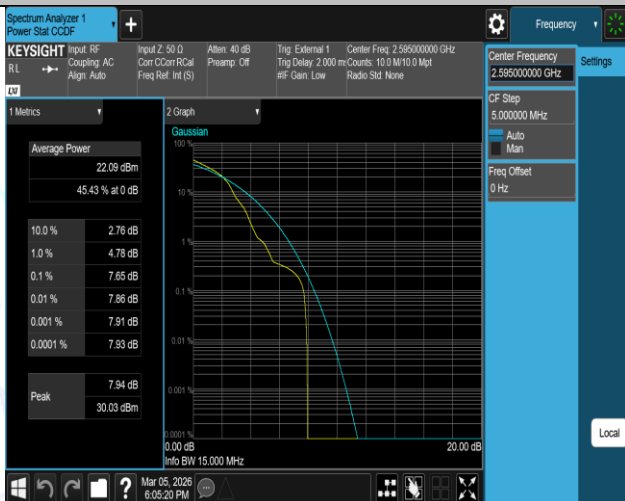
Band38-15MHz-16QAM-37825-1RB#0-PASS



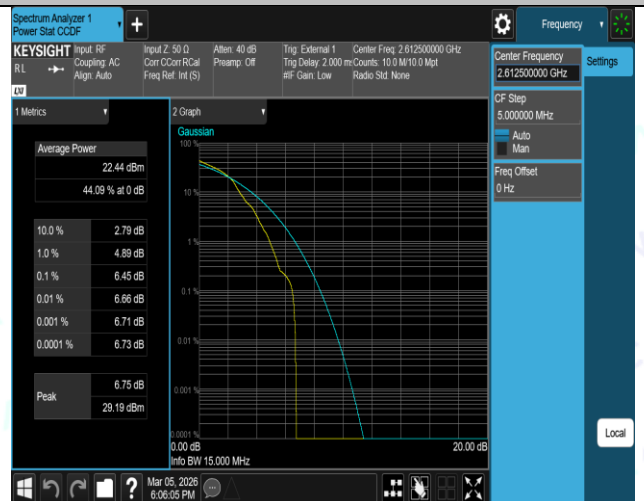
Band38-15MHz-16QAM-38000-1RB#0-PASS



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



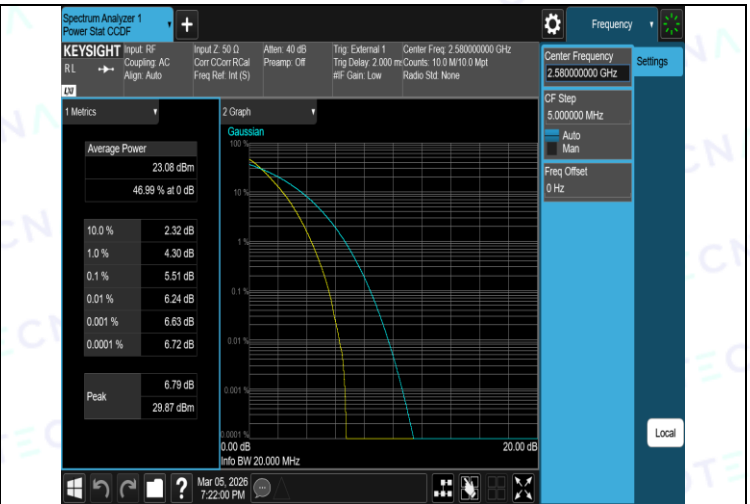
Band38-20MHz-QPSK-37850-1RB#0-PASS



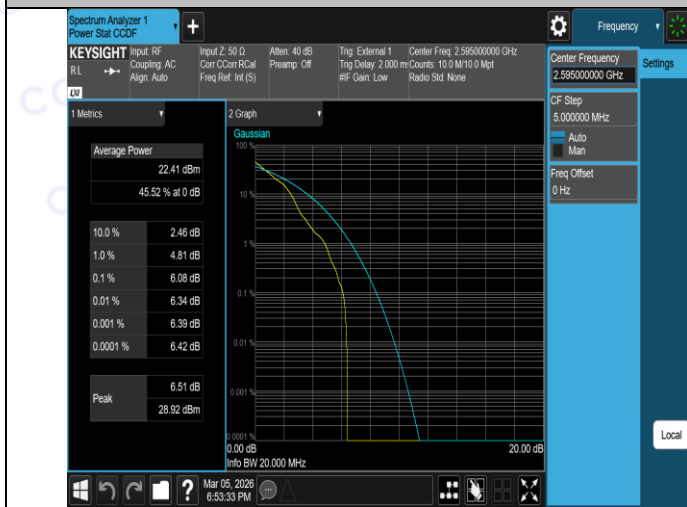
Band38-20MHz-QPSK-37850-100RB#0-PASS



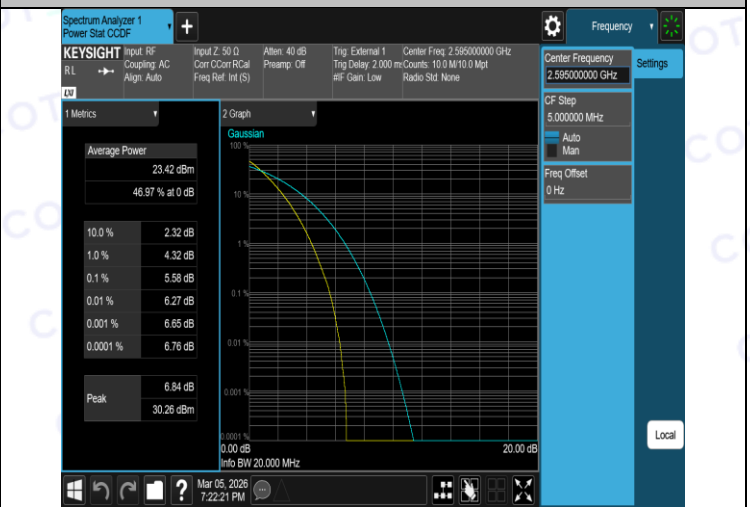
Band38-20MHz-QPSK-38000-1RB#0-PASS



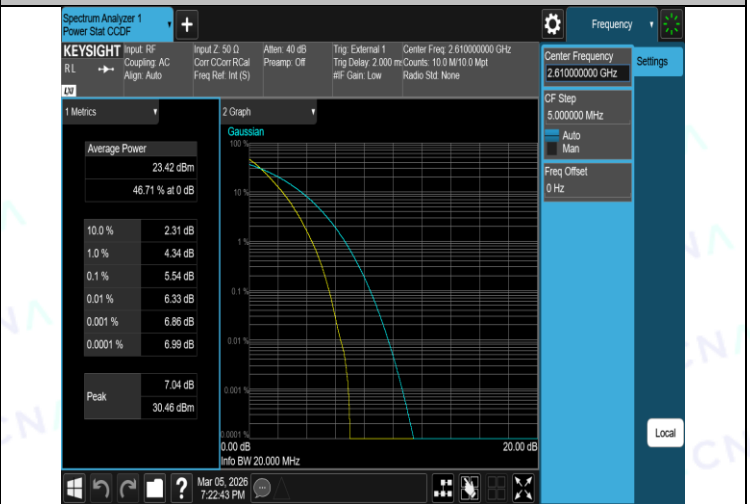
Band38-20MHz-QPSK-38000-100RB#0-PASS



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



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

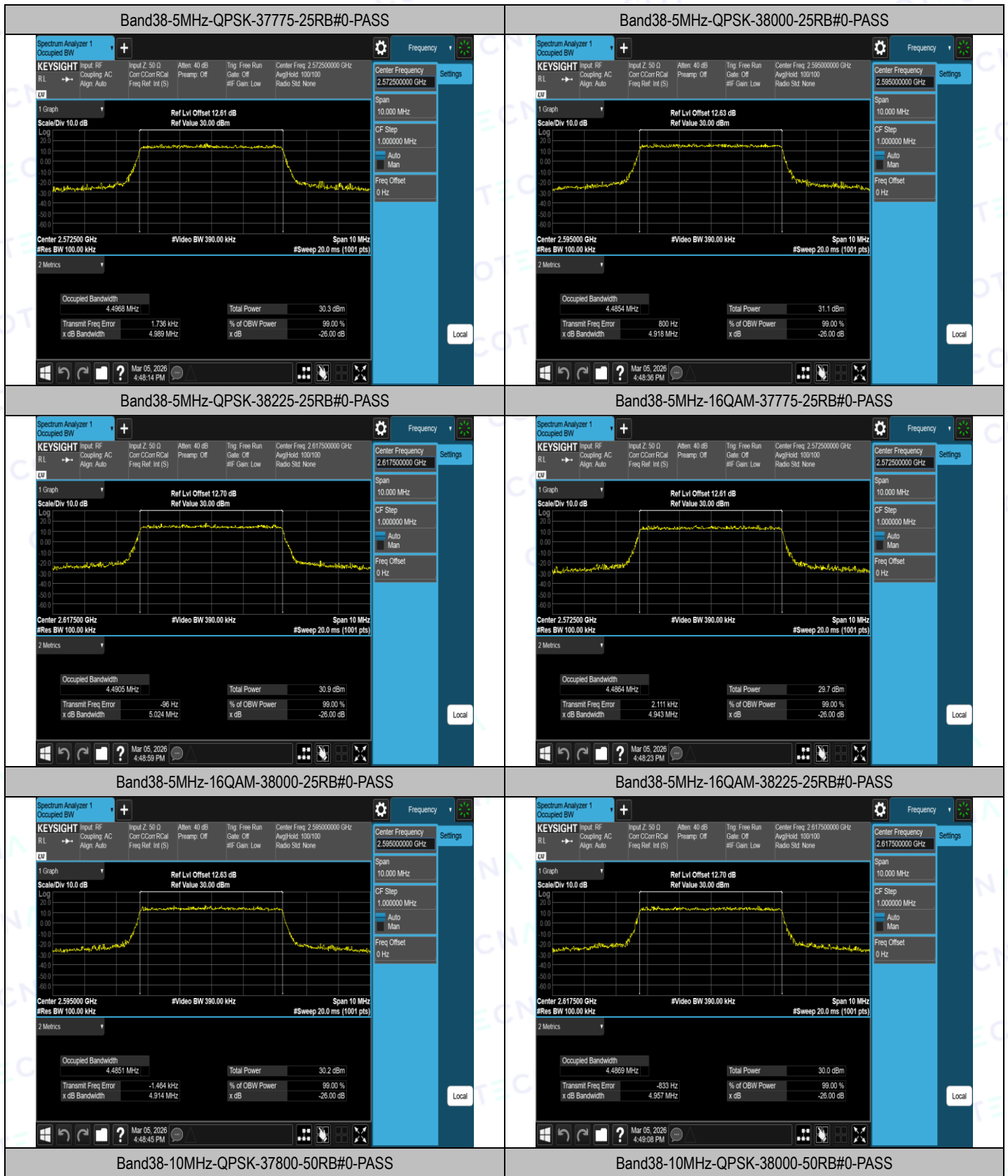


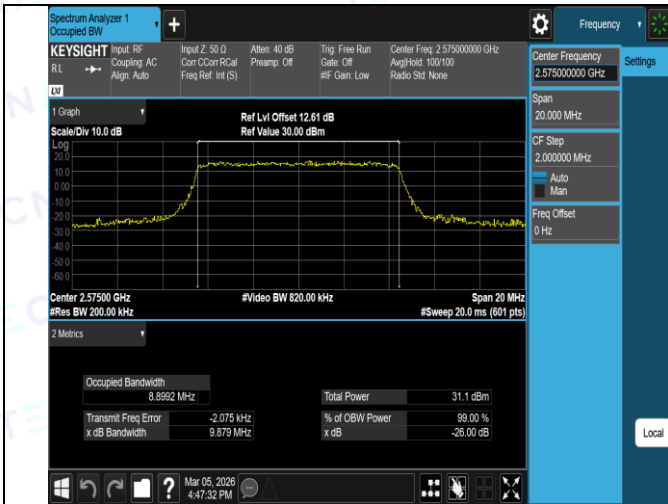
3: 26dB Bandwidth and Occupied Bandwidth

Test Result

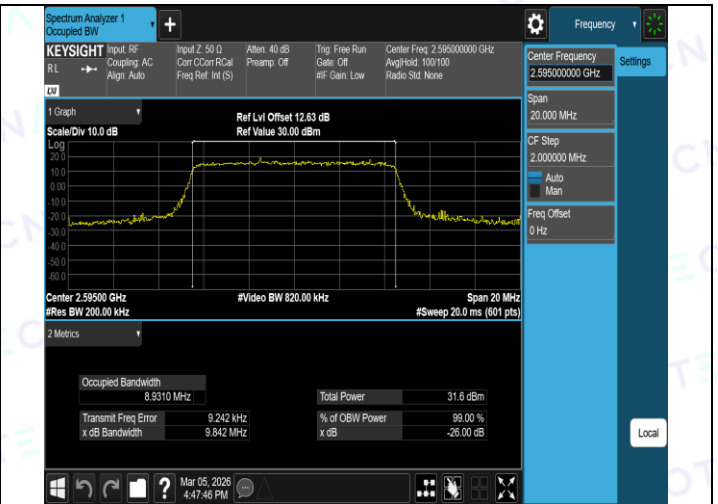
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4968	4.989	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4854	4.918	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4905	5.024	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4864	4.943	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4851	4.914	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4869	4.957	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.8992	9.879	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9310	9.842	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9128	9.897	PASS
Band38	10MHz	16QAM	37800	27RB#0	4.9280	5.873	PASS
Band38	10MHz	16QAM	38000	27RB#0	4.9467	5.942	PASS
Band38	10MHz	16QAM	38200	27RB#0	4.9298	5.927	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.441	14.72	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.391	14.87	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.387	14.87	PASS
Band38	15MHz	16QAM	37825	27RB#0	5.0546	6.416	PASS
Band38	15MHz	16QAM	38000	27RB#0	5.1883	6.611	PASS
Band38	15MHz	16QAM	38175	27RB#0	5.0778	6.483	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.791	19.54	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.768	19.53	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.791	19.27	PASS
Band38	20MHz	16QAM	37850	27RB#0	5.2083	6.737	PASS
Band38	20MHz	16QAM	38000	27RB#0	5.3115	6.947	PASS
Band38	20MHz	16QAM	38150	27RB#0	5.1897	6.743	PASS

Test Graphs

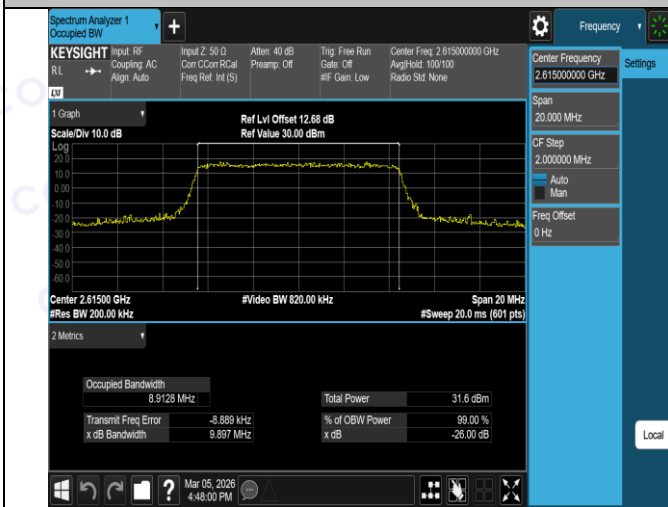




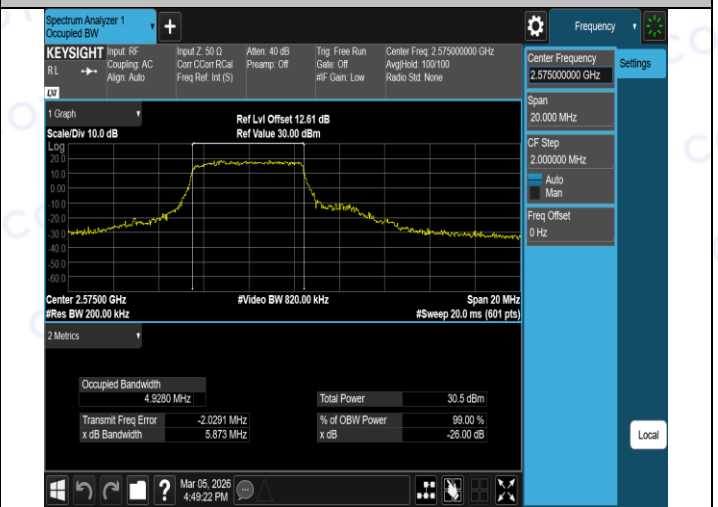
Band38-10MHz-QPSK-38200-50RB#0-PASS



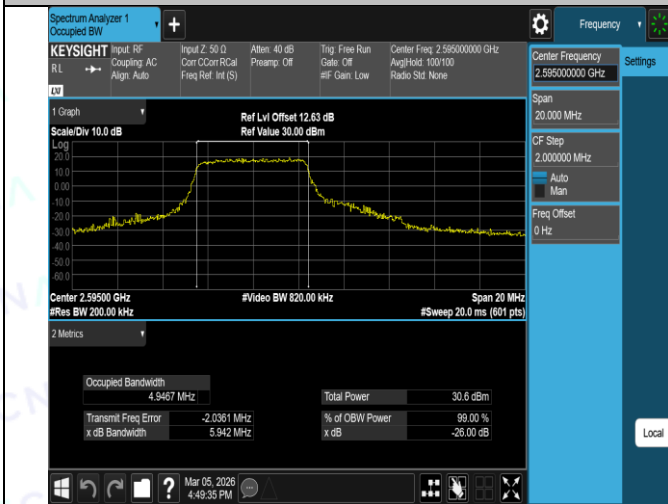
Band38-10MHz-16QAM-37800-27RB#0-PASS



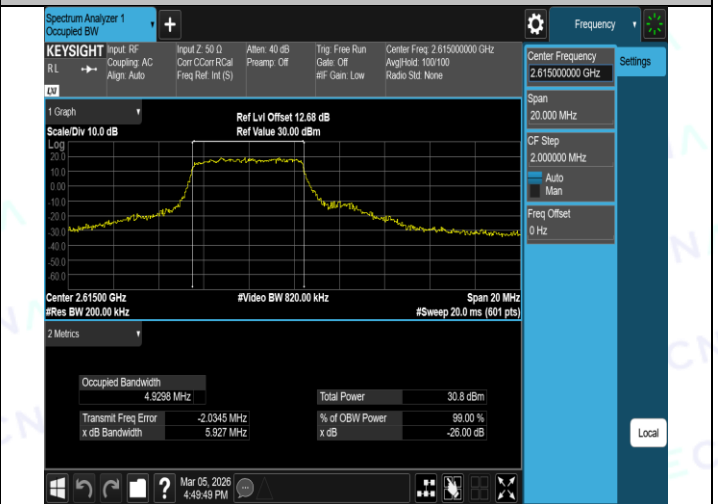
Band38-10MHz-16QAM-38000-27RB#0-PASS



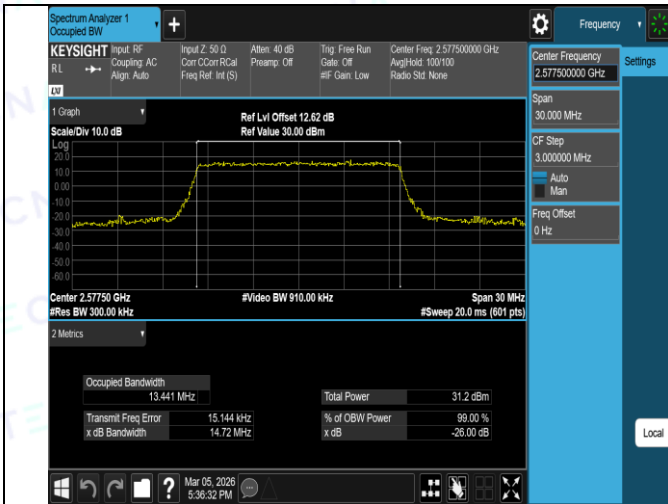
Band38-10MHz-16QAM-38200-27RB#0-PASS



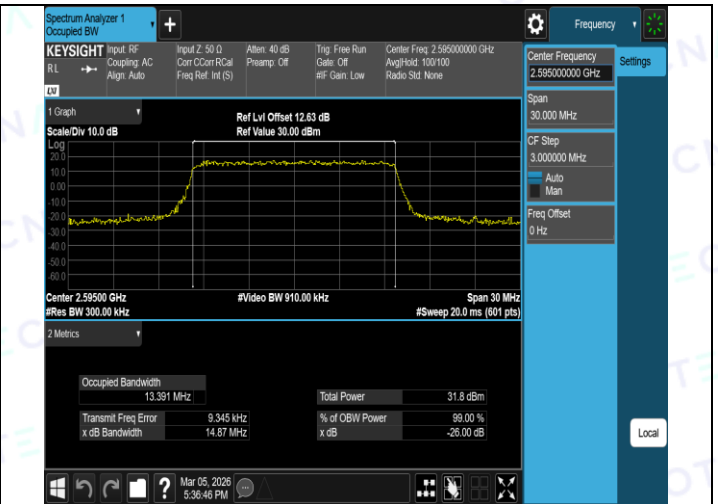
Band38-15MHz-QPSK-37825-75RB#0-PASS



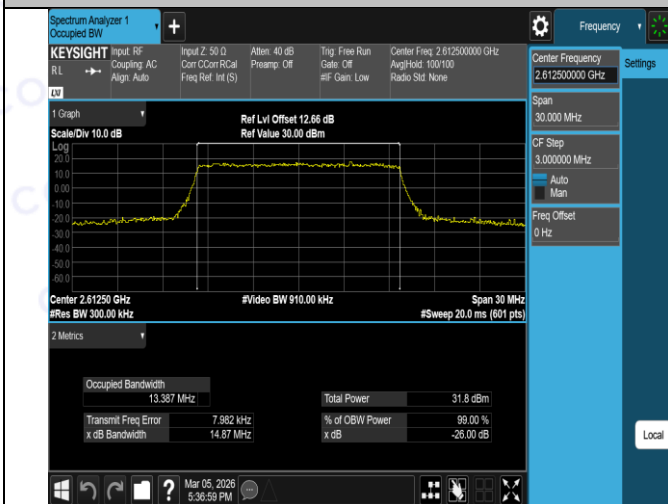
Band38-15MHz-QPSK-38000-75RB#0-PASS



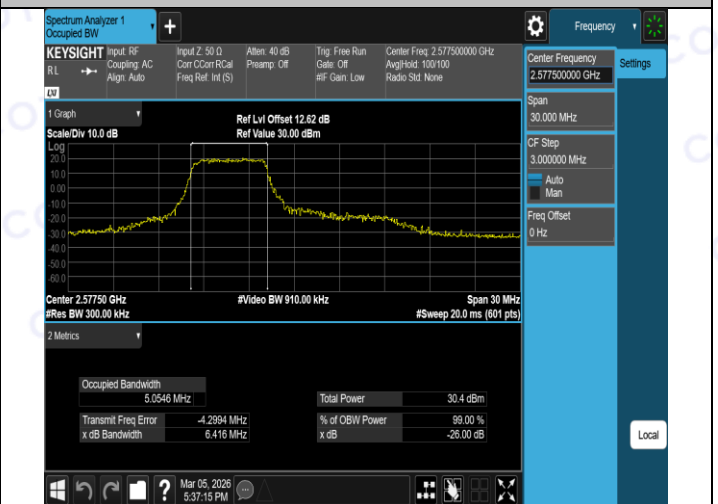
Band38-15MHz-QPSK-38175-75RB#0-PASS



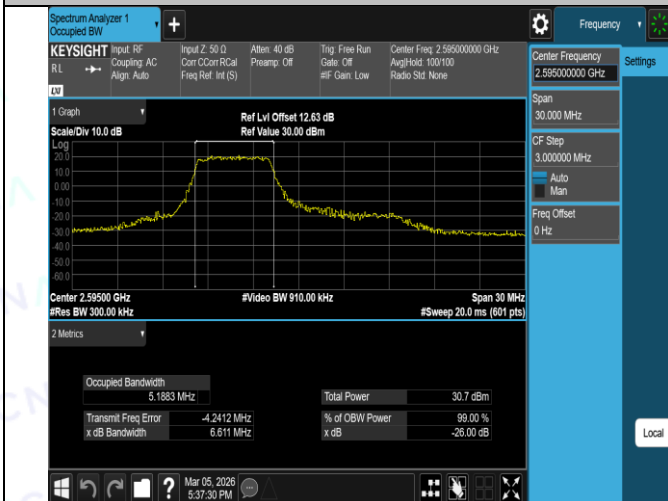
Band38-15MHz-16QAM-37825-27RB#0-PASS



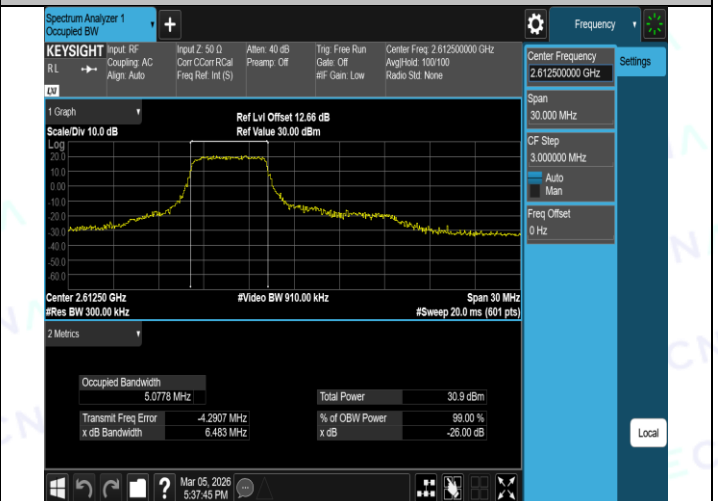
Band38-15MHz-16QAM-38000-27RB#0-PASS



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



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



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