

LTE Test Data

General Description of EUT	
Product Name:	Smart Watch
Test Model:	BH11
Sample ID:	HC-C-202412-0313-02-04#
Environmental Conditions	
Temperature:	22.0℃-25℃
Relative Humidity:	43%-55%
Test Voltage:	DC 3.85V
Test Engineer:	Rick Chen
Note: For a more detailed features description, please refer to the report TBR-C-202412-0313-94 The report only show the worst case data.	

Contents

LTE Test Data 1

1: Conducted Output Power Data..... 3

 Test Result 3

2: Peak-to-Average Ratio(CCDF)..... 7

 Test Result 7

 Test Graphs..... 9

3: 26dB Bandwidth and Occupied Bandwidth 17

 Test Result 17

 Test Graphs..... 18

4: Band Edge 22

 Test Result 22

 Test Graphs..... 24

5: Conducted Spurious Emission..... 32

 Test Result 32

 Test Graphs..... 35

6: Frequency Stability 55

 Test Result 55

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	24.42	PASS
Band38	5MHz	QPSK	37775	1RB#12	24.43	PASS
Band38	5MHz	QPSK	37775	1RB#24	24.43	PASS
Band38	5MHz	QPSK	37775	12RB#0	23.41	PASS
Band38	5MHz	QPSK	37775	12RB#6	23.39	PASS
Band38	5MHz	QPSK	37775	12RB#13	23.37	PASS
Band38	5MHz	QPSK	37775	25RB#0	23.46	PASS
Band38	5MHz	QPSK	38000	1RB#0	24.49	PASS
Band38	5MHz	QPSK	38000	1RB#12	24.62	PASS
Band38	5MHz	QPSK	38000	1RB#24	24.58	PASS
Band38	5MHz	QPSK	38000	12RB#0	23.50	PASS
Band38	5MHz	QPSK	38000	12RB#6	23.50	PASS
Band38	5MHz	QPSK	38000	12RB#13	23.44	PASS
Band38	5MHz	QPSK	38000	25RB#0	23.51	PASS
Band38	5MHz	QPSK	38225	1RB#0	24.69	PASS
Band38	5MHz	QPSK	38225	1RB#12	24.75	PASS
Band38	5MHz	QPSK	38225	1RB#24	24.72	PASS
Band38	5MHz	QPSK	38225	12RB#0	23.64	PASS
Band38	5MHz	QPSK	38225	12RB#6	23.66	PASS
Band38	5MHz	QPSK	38225	12RB#13	23.65	PASS
Band38	5MHz	QPSK	38225	25RB#0	23.68	PASS
Band38	5MHz	16QAM	37775	1RB#0	23.63	PASS
Band38	5MHz	16QAM	37775	1RB#12	23.60	PASS
Band38	5MHz	16QAM	37775	1RB#24	23.64	PASS
Band38	5MHz	16QAM	37775	12RB#0	22.68	PASS
Band38	5MHz	16QAM	37775	12RB#6	22.71	PASS
Band38	5MHz	16QAM	37775	12RB#13	22.69	PASS
Band38	5MHz	16QAM	37775	25RB#0	22.43	PASS
Band38	5MHz	16QAM	38000	1RB#0	24.10	PASS
Band38	5MHz	16QAM	38000	1RB#12	23.98	PASS
Band38	5MHz	16QAM	38000	1RB#24	23.92	PASS
Band38	5MHz	16QAM	38000	12RB#0	22.73	PASS
Band38	5MHz	16QAM	38000	12RB#6	22.74	PASS
Band38	5MHz	16QAM	38000	12RB#13	22.67	PASS
Band38	5MHz	16QAM	38000	25RB#0	22.76	PASS
Band38	5MHz	16QAM	38225	1RB#0	24.01	PASS
Band38	5MHz	16QAM	38225	1RB#12	24.23	PASS
Band38	5MHz	16QAM	38225	1RB#24	24.12	PASS
Band38	5MHz	16QAM	38225	12RB#0	22.73	PASS

Band38	5MHz	16QAM	38225	12RB#6	22.74	PASS
Band38	5MHz	16QAM	38225	12RB#13	22.71	PASS
Band38	5MHz	16QAM	38225	25RB#0	22.90	PASS
Band38	10MHz	QPSK	37800	1RB#0	24.65	PASS
Band38	10MHz	QPSK	37800	1RB#24	24.64	PASS
Band38	10MHz	QPSK	37800	1RB#49	24.64	PASS
Band38	10MHz	QPSK	37800	25RB#0	23.45	PASS
Band38	10MHz	QPSK	37800	25RB#12	23.45	PASS
Band38	10MHz	QPSK	37800	25RB#25	23.52	PASS
Band38	10MHz	QPSK	37800	50RB#0	23.40	PASS
Band38	10MHz	QPSK	38000	1RB#0	24.60	PASS
Band38	10MHz	QPSK	38000	1RB#24	24.60	PASS
Band38	10MHz	QPSK	38000	1RB#49	0.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	23.45	PASS
Band38	10MHz	QPSK	38000	25RB#12	23.55	PASS
Band38	10MHz	QPSK	38000	25RB#25	23.61	PASS
Band38	10MHz	QPSK	38000	50RB#0	23.56	PASS
Band38	10MHz	QPSK	38200	1RB#0	24.57	PASS
Band38	10MHz	QPSK	38200	1RB#24	0.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	24.69	PASS
Band38	10MHz	QPSK	38200	25RB#0	23.55	PASS
Band38	10MHz	QPSK	38200	25RB#12	23.55	PASS
Band38	10MHz	QPSK	38200	25RB#25	23.74	PASS
Band38	10MHz	QPSK	38200	50RB#0	23.65	PASS
Band38	10MHz	16QAM	37800	1RB#0	23.73	PASS
Band38	10MHz	16QAM	37800	1RB#24	23.63	PASS
Band38	10MHz	16QAM	37800	1RB#49	23.75	PASS
Band38	10MHz	16QAM	37800	25RB#0	22.64	PASS
Band38	10MHz	16QAM	37800	25RB#12	22.64	PASS
Band38	10MHz	16QAM	37800	25RB#25	22.75	PASS
Band38	10MHz	16QAM	37800	50RB#0	22.58	PASS
Band38	10MHz	16QAM	38000	1RB#0	24.12	PASS
Band38	10MHz	16QAM	38000	1RB#24	24.10	PASS
Band38	10MHz	16QAM	38000	1RB#49	0.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	22.73	PASS
Band38	10MHz	16QAM	38000	25RB#12	22.69	PASS
Band38	10MHz	16QAM	38000	25RB#25	22.68	PASS
Band38	10MHz	16QAM	38000	50RB#0	22.68	PASS
Band38	10MHz	16QAM	38200	1RB#0	23.62	PASS
Band38	10MHz	16QAM	38200	1RB#24	0.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	23.80	PASS
Band38	10MHz	16QAM	38200	25RB#0	22.97	PASS
Band38	10MHz	16QAM	38200	25RB#12	22.96	PASS
Band38	10MHz	16QAM	38200	25RB#25	23.01	PASS

Band38	10MHz	16QAM	38200	50RB#0	22.73	PASS
Band38	15MHz	QPSK	37825	1RB#0	24.52	PASS
Band38	15MHz	QPSK	37825	1RB#38	24.54	PASS
Band38	15MHz	QPSK	37825	1RB#74	24.66	PASS
Band38	15MHz	QPSK	37825	38RB#0	23.50	PASS
Band38	15MHz	QPSK	37825	38RB#18	23.49	PASS
Band38	15MHz	QPSK	37825	38RB#37	23.49	PASS
Band38	15MHz	QPSK	37825	75RB#0	23.49	PASS
Band38	15MHz	QPSK	38000	1RB#0	24.65	PASS
Band38	15MHz	QPSK	38000	1RB#38	24.58	PASS
Band38	15MHz	QPSK	38000	1RB#74	24.64	PASS
Band38	15MHz	QPSK	38000	38RB#0	23.62	PASS
Band38	15MHz	QPSK	38000	38RB#18	23.61	PASS
Band38	15MHz	QPSK	38000	38RB#37	23.61	PASS
Band38	15MHz	QPSK	38000	75RB#0	23.61	PASS
Band38	15MHz	QPSK	38175	1RB#0	24.78	PASS
Band38	15MHz	QPSK	38175	1RB#38	24.86	PASS
Band38	15MHz	QPSK	38175	1RB#74	25.10	PASS
Band38	15MHz	QPSK	38175	38RB#0	23.57	PASS
Band38	15MHz	QPSK	38175	38RB#18	23.57	PASS
Band38	15MHz	QPSK	38175	38RB#37	23.57	PASS
Band38	15MHz	QPSK	38175	75RB#0	23.57	PASS
Band38	15MHz	16QAM	37825	1RB#0	23.93	PASS
Band38	15MHz	16QAM	37825	1RB#38	24.01	PASS
Band38	15MHz	16QAM	37825	1RB#74	23.98	PASS
Band38	15MHz	16QAM	37825	38RB#0	23.50	PASS
Band38	15MHz	16QAM	37825	38RB#18	23.50	PASS
Band38	15MHz	16QAM	37825	38RB#37	23.50	PASS
Band38	15MHz	16QAM	37825	75RB#0	22.63	PASS
Band38	15MHz	16QAM	38000	1RB#0	24.15	PASS
Band38	15MHz	16QAM	38000	1RB#38	24.08	PASS
Band38	15MHz	16QAM	38000	1RB#74	24.10	PASS
Band38	15MHz	16QAM	38000	38RB#0	23.62	PASS
Band38	15MHz	16QAM	38000	38RB#18	23.62	PASS
Band38	15MHz	16QAM	38000	38RB#37	23.62	PASS
Band38	15MHz	16QAM	38000	75RB#0	22.72	PASS
Band38	15MHz	16QAM	38175	1RB#0	23.00	PASS
Band38	15MHz	16QAM	38175	1RB#38	23.01	PASS
Band38	15MHz	16QAM	38175	1RB#74	23.39	PASS
Band38	15MHz	16QAM	38175	38RB#0	23.58	PASS
Band38	15MHz	16QAM	38175	38RB#18	23.58	PASS
Band38	15MHz	16QAM	38175	38RB#37	23.58	PASS
Band38	15MHz	16QAM	38175	75RB#0	22.72	PASS
Band38	20MHz	QPSK	37850	1RB#0	24.30	PASS

Band38	20MHz	QPSK	37850	1RB#49	24.33	PASS
Band38	20MHz	QPSK	37850	1RB#99	24.33	PASS
Band38	20MHz	QPSK	37850	50RB#0	23.38	PASS
Band38	20MHz	QPSK	37850	50RB#25	23.39	PASS
Band38	20MHz	QPSK	37850	50RB#50	23.48	PASS
Band38	20MHz	QPSK	37850	100RB#0	23.51	PASS
Band38	20MHz	QPSK	38000	1RB#0	24.31	PASS
Band38	20MHz	QPSK	38000	1RB#49	24.28	PASS
Band38	20MHz	QPSK	38000	1RB#99	24.34	PASS
Band38	20MHz	QPSK	38000	50RB#0	23.52	PASS
Band38	20MHz	QPSK	38000	50RB#25	23.53	PASS
Band38	20MHz	QPSK	38000	50RB#50	23.53	PASS
Band38	20MHz	QPSK	38000	100RB#0	23.60	PASS
Band38	20MHz	QPSK	38150	1RB#0	24.49	PASS
Band38	20MHz	QPSK	38150	1RB#49	0.00	PASS
Band38	20MHz	QPSK	38150	1RB#99	24.65	PASS
Band38	20MHz	QPSK	38150	50RB#0	23.49	PASS
Band38	20MHz	QPSK	38150	50RB#25	23.51	PASS
Band38	20MHz	QPSK	38150	50RB#50	23.63	PASS
Band38	20MHz	QPSK	38150	100RB#0	23.55	PASS
Band38	20MHz	16QAM	37850	1RB#0	23.16	PASS
Band38	20MHz	16QAM	37850	1RB#49	23.23	PASS
Band38	20MHz	16QAM	37850	1RB#99	23.27	PASS
Band38	20MHz	16QAM	37850	50RB#0	22.58	PASS
Band38	20MHz	16QAM	37850	50RB#25	22.57	PASS
Band38	20MHz	16QAM	37850	50RB#50	22.55	PASS
Band38	20MHz	16QAM	37850	100RB#0	22.54	PASS
Band38	20MHz	16QAM	38000	1RB#0	23.65	PASS
Band38	20MHz	16QAM	38000	1RB#49	23.81	PASS
Band38	20MHz	16QAM	38000	1RB#99	23.73	PASS
Band38	20MHz	16QAM	38000	50RB#0	22.71	PASS
Band38	20MHz	16QAM	38000	50RB#25	22.71	PASS
Band38	20MHz	16QAM	38000	50RB#50	22.74	PASS
Band38	20MHz	16QAM	38000	100RB#0	22.61	PASS
Band38	20MHz	16QAM	38150	1RB#0	23.82	PASS
Band38	20MHz	16QAM	38150	1RB#49	23.78	PASS
Band38	20MHz	16QAM	38150	1RB#99	23.96	PASS
Band38	20MHz	16QAM	38150	50RB#0	22.70	PASS
Band38	20MHz	16QAM	38150	50RB#25	22.70	PASS
Band38	20MHz	16QAM	38150	50RB#50	22.82	PASS
Band38	20MHz	16QAM	38150	100RB#0	22.71	PASS

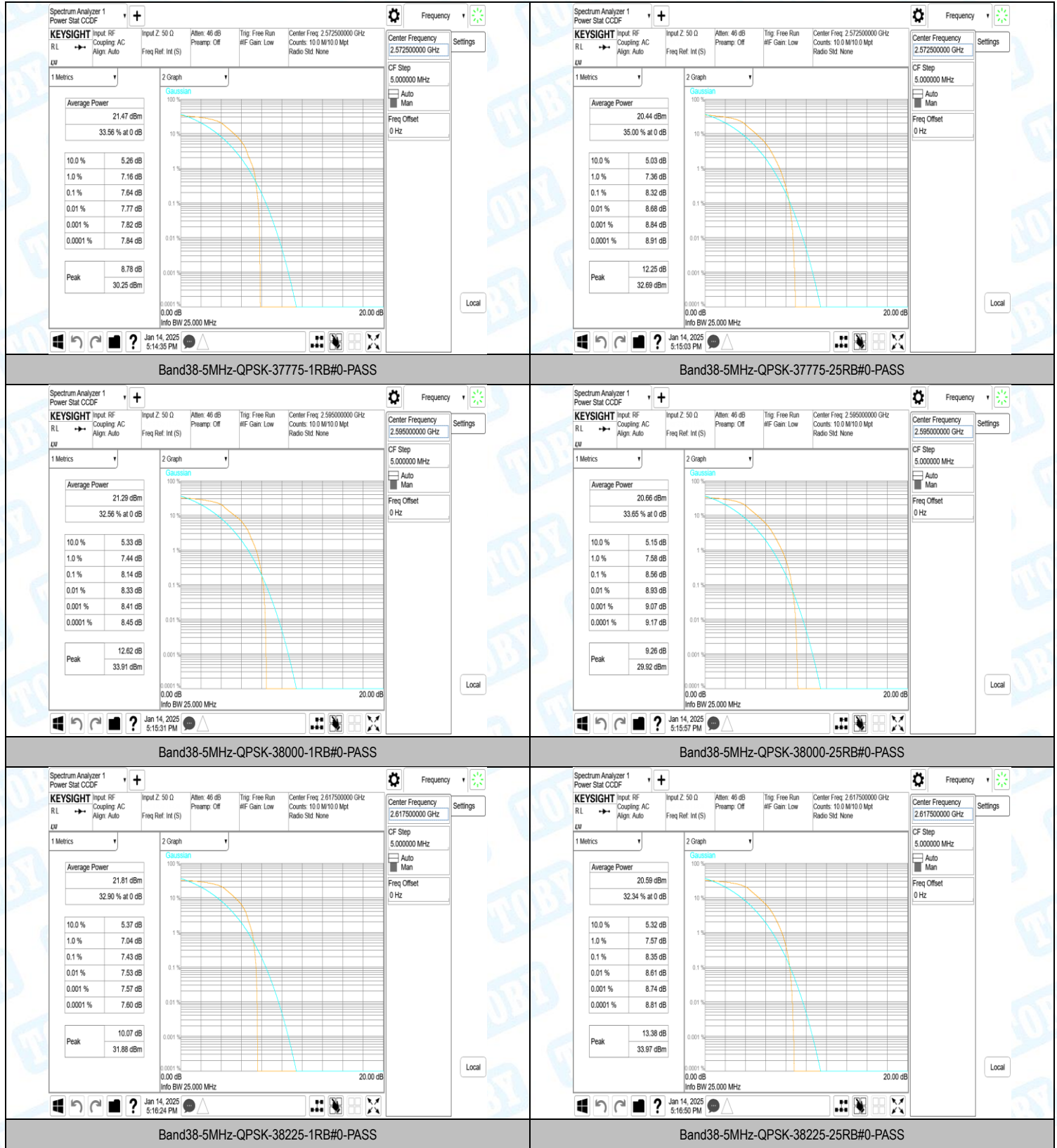
2: Peak-to-Average Ratio(CCDF)

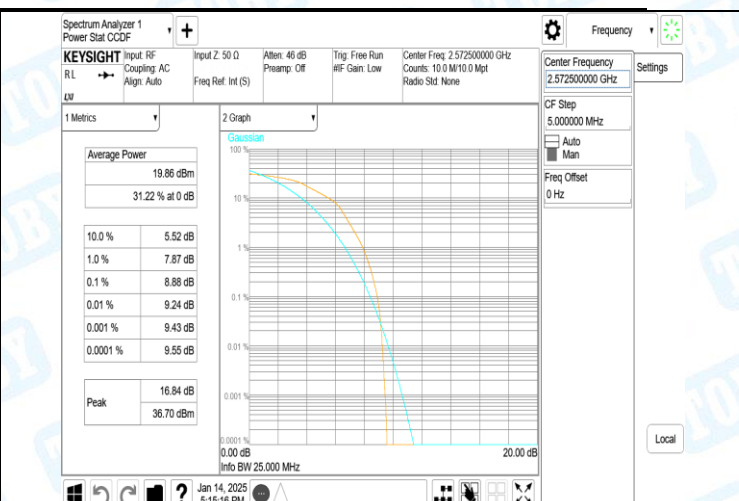
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	7.64	13	PASS
Band38	5MHz	QPSK	37775	25RB#0	8.32	13	PASS
Band38	5MHz	QPSK	38000	1RB#0	8.14	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.56	13	PASS
Band38	5MHz	QPSK	38225	1RB#0	7.43	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	8.35	13	PASS
Band38	5MHz	16QAM	37775	1RB#0	8.48	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	8.88	13	PASS
Band38	5MHz	16QAM	38000	1RB#0	8.70	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.64	13	PASS
Band38	5MHz	16QAM	38225	1RB#0	8.20	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	9.12	13	PASS
Band38	10MHz	QPSK	37800	1RB#0	7.55	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.43	13	PASS
Band38	10MHz	QPSK	38000	1RB#0	7.80	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.39	13	PASS
Band38	10MHz	QPSK	38200	1RB#0	7.40	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	7.80	13	PASS
Band38	10MHz	16QAM	37800	1RB#0	8.34	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.21	13	PASS
Band38	10MHz	16QAM	38000	1RB#0	8.84	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.77	13	PASS
Band38	10MHz	16QAM	38200	1RB#0	8.06	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.86	13	PASS
Band38	15MHz	QPSK	37825	1RB#0	7.70	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	8.67	13	PASS
Band38	15MHz	QPSK	38000	1RB#0	7.98	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	9.16	13	PASS
Band38	15MHz	QPSK	38175	1RB#0	7.53	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.72	13	PASS
Band38	15MHz	16QAM	37825	1RB#0	8.74	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	9.46	13	PASS
Band38	15MHz	16QAM	38000	1RB#0	8.40	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	9.53	13	PASS
Band38	15MHz	16QAM	38175	1RB#0	8.50	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	9.48	13	PASS
Band38	20MHz	QPSK	37850	1RB#0	7.69	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	8.53	13	PASS
Band38	20MHz	QPSK	38000	1RB#0	7.81	13	PASS

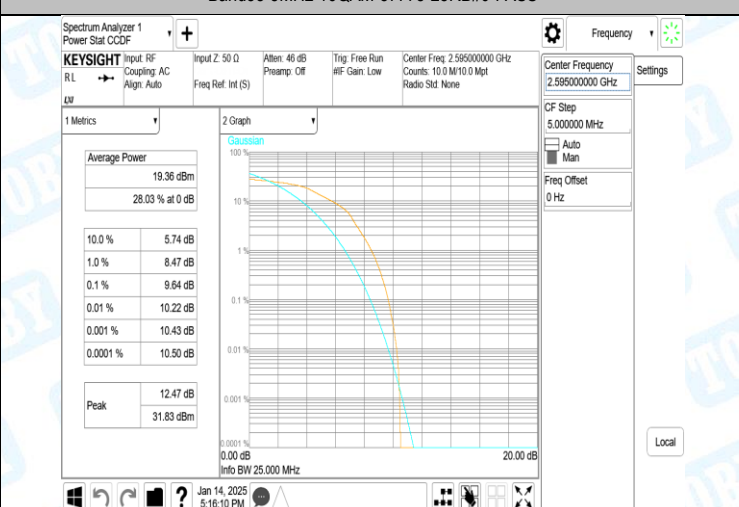
Band38	20MHz	QPSK	38000	100RB#0	8.51	13	PASS
Band38	20MHz	QPSK	38150	1RB#0	8.16	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.91	13	PASS
Band38	20MHz	16QAM	37850	1RB#0	8.29	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.64	13	PASS
Band38	20MHz	16QAM	38000	1RB#0	8.85	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.54	13	PASS
Band38	20MHz	16QAM	38150	1RB#0	8.09	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.24	13	PASS

Test Graphs

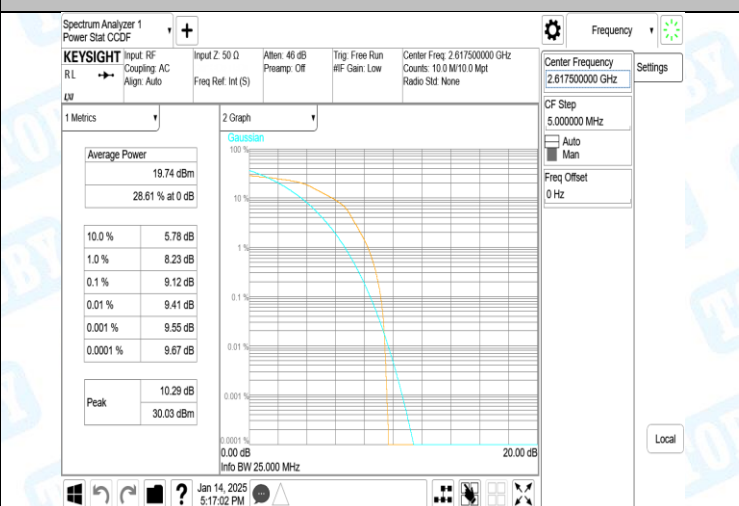




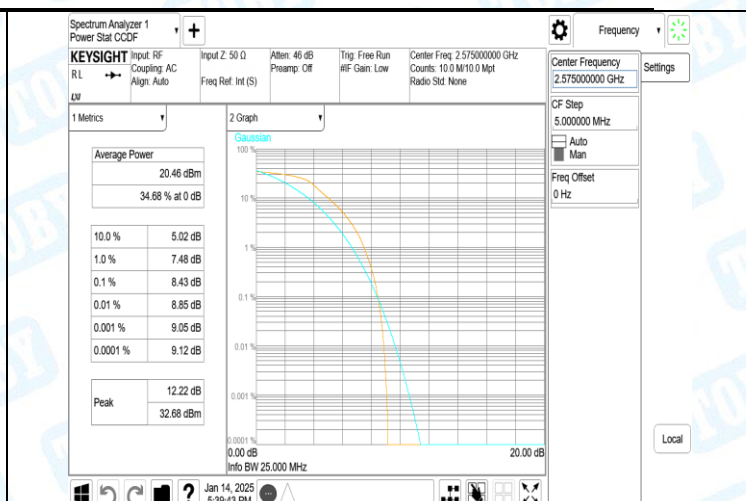
Band38-5MHz-16QAM-37775-25RB#0-PASS



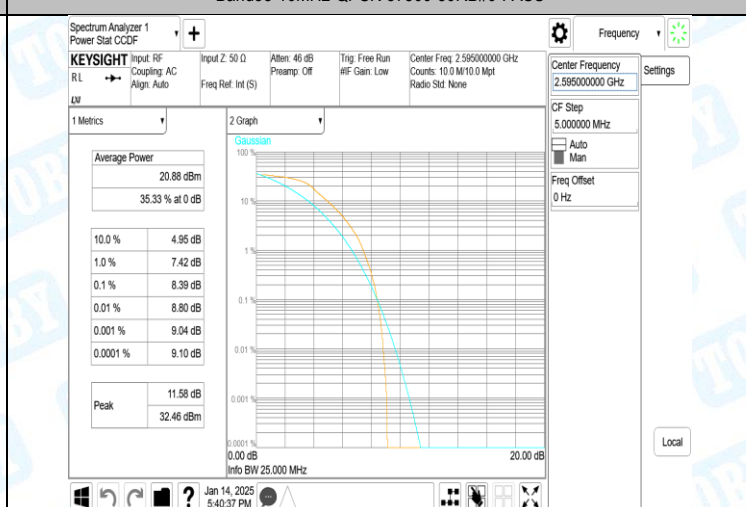
Band38-5MHz-16QAM-38000-25RB#0-PASS



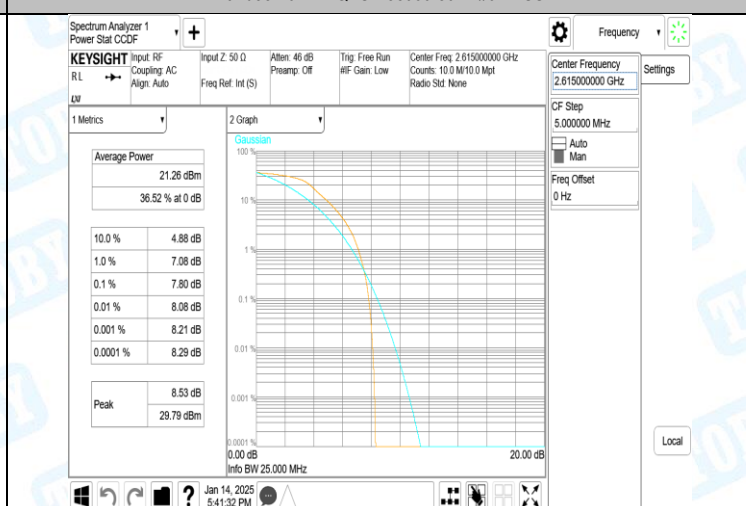
Band38-5MHz-16QAM-38225-25RB#0-PASS



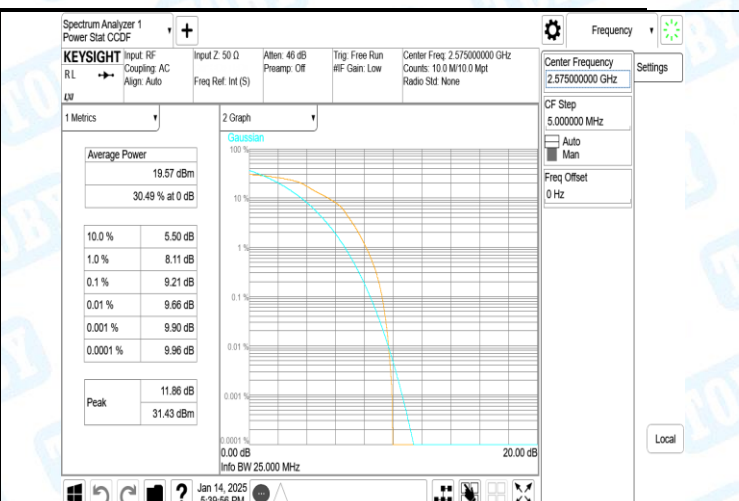
Band38-10MHz-QPSK-37800-50RB#0-PASS



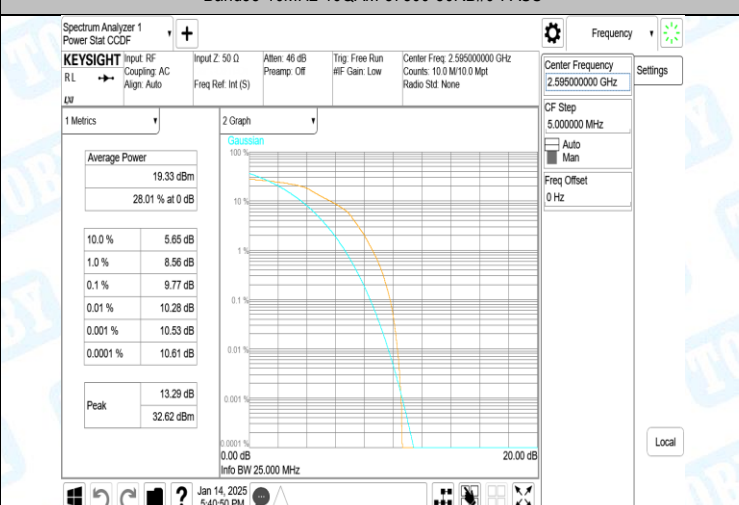
Band38-10MHz-QPSK-38000-50RB#0-PASS



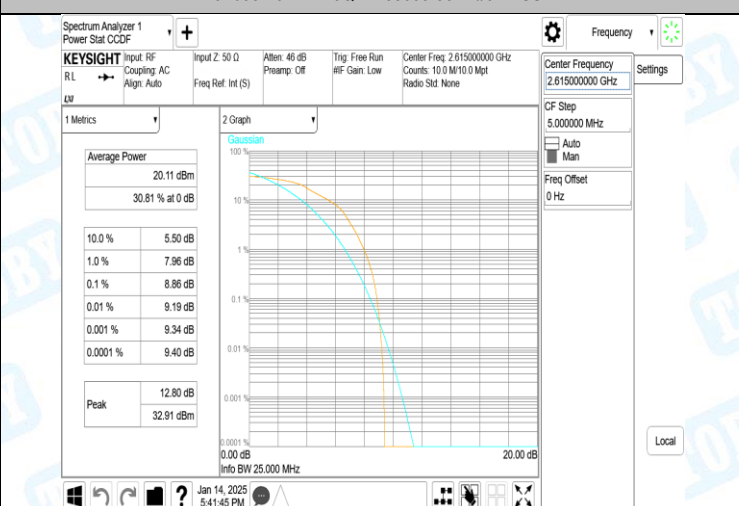
Band38-10MHz-QPSK-38200-50RB#0-PASS



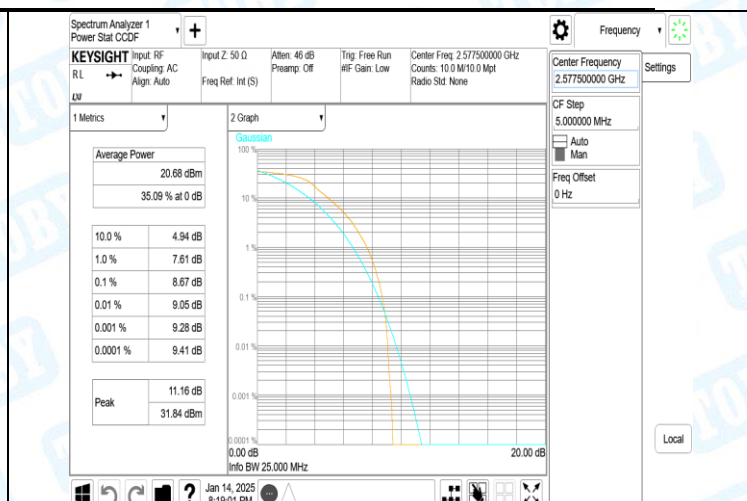
Band38-10MHz-16QAM-37800-50RB#0-PASS



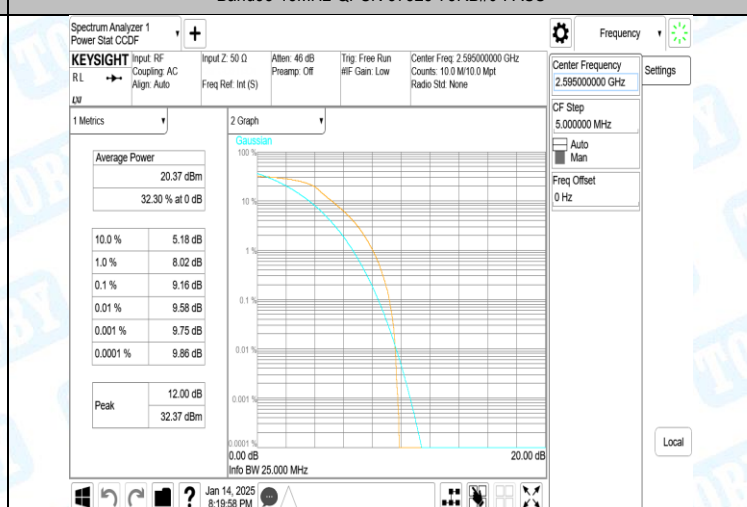
Band38-10MHz-16QAM-38000-50RB#0-PASS



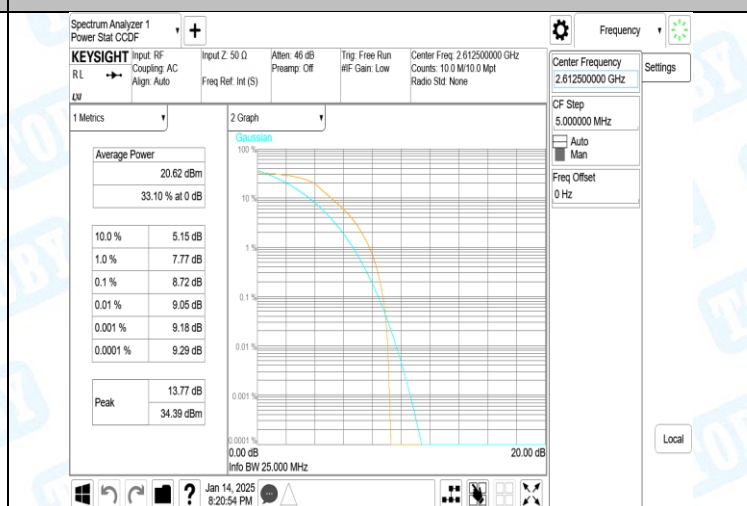
Band38-10MHz-16QAM-38200-50RB#0-PASS



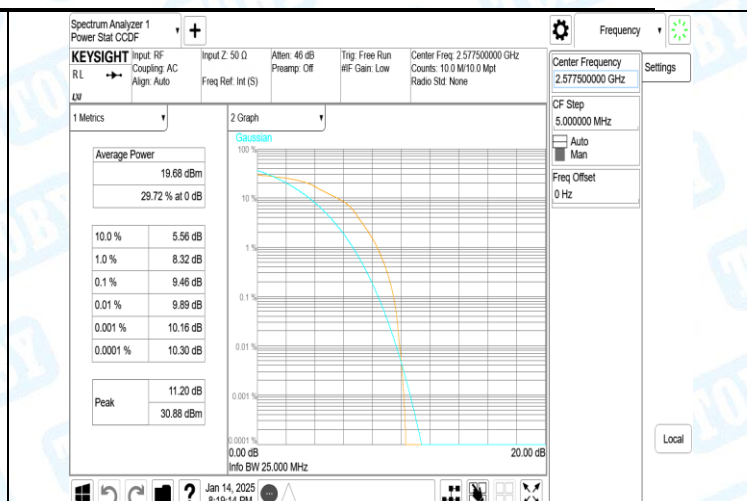
Band38-15MHz-QPSK-37825-75RB#0-PASS



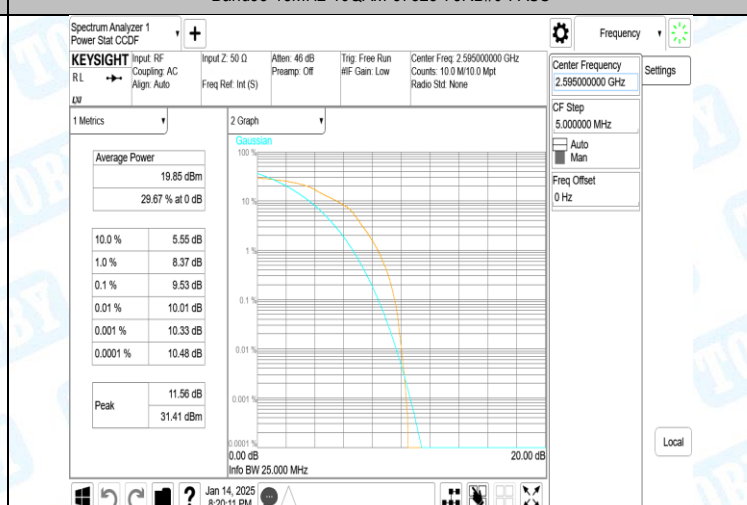
Band38-15MHz-QPSK-38000-75RB#0-PASS



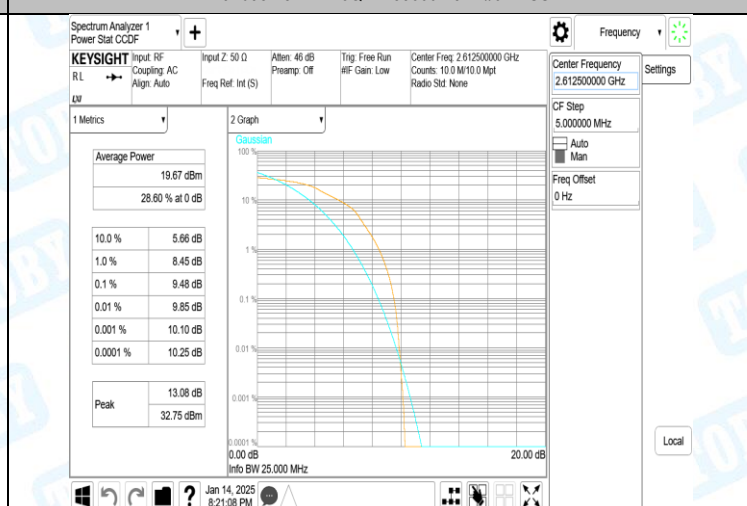
Band38-15MHz-QPSK-38175-75RB#0-PASS



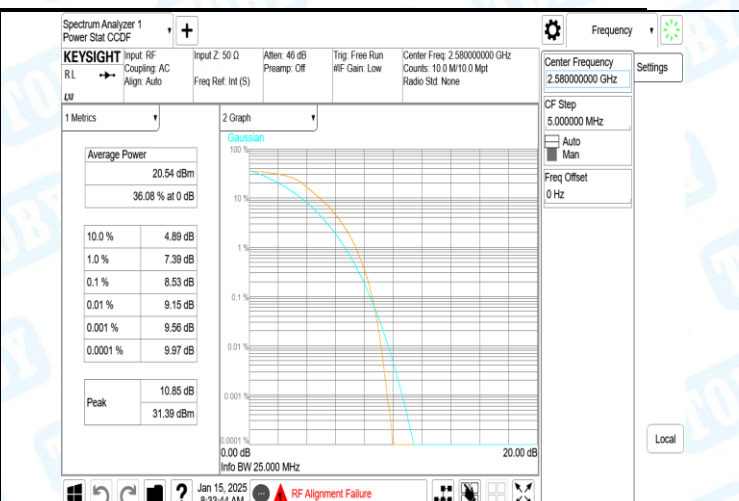
Band38-15MHz-16QAM-37825-75RB#0-PASS



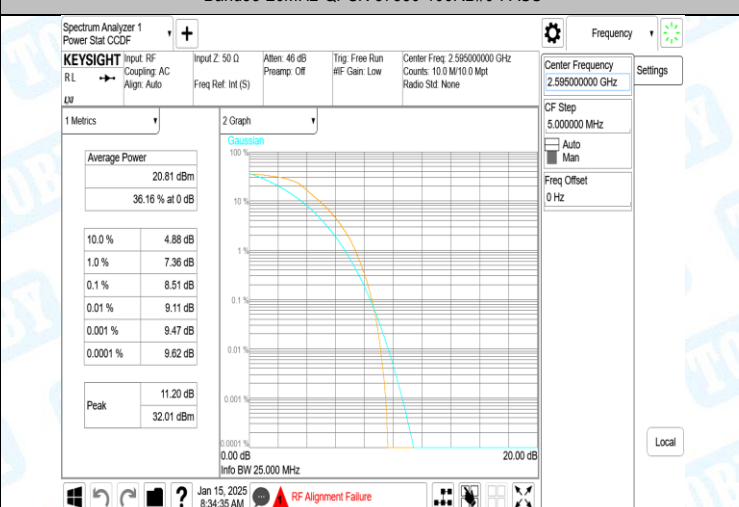
Band38-15MHz-16QAM-38000-75RB#0-PASS



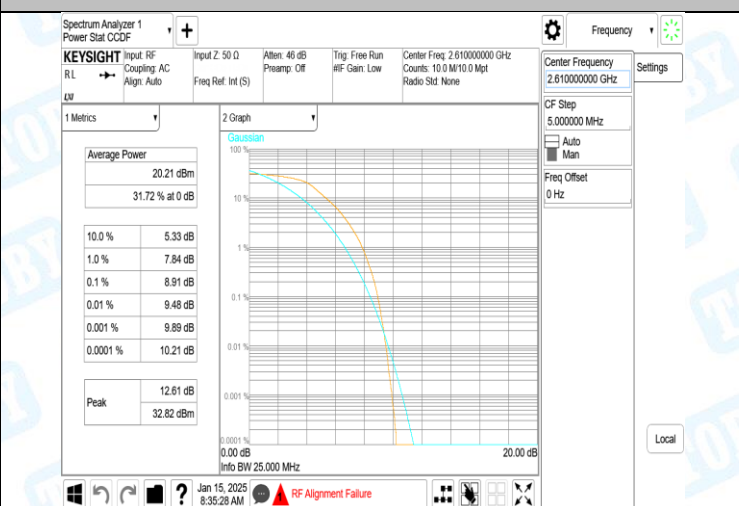
Band38-15MHz-16QAM-38175-75RB#0-PASS



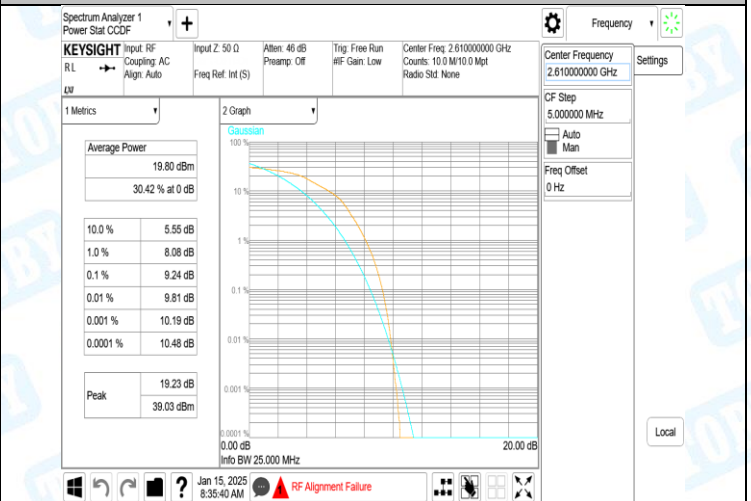
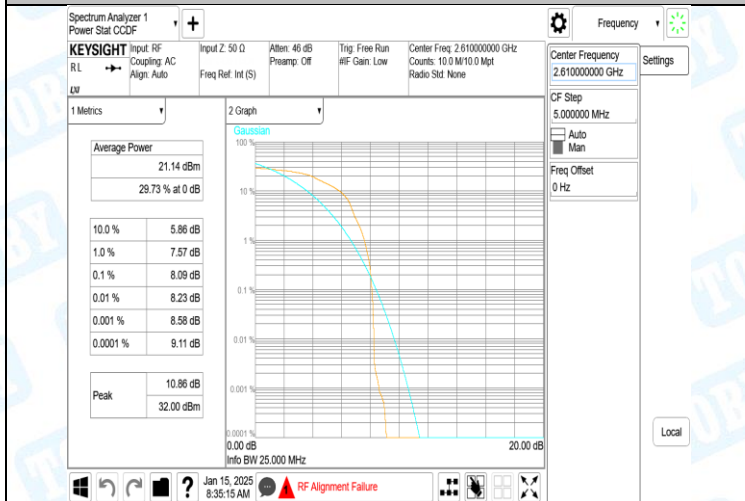
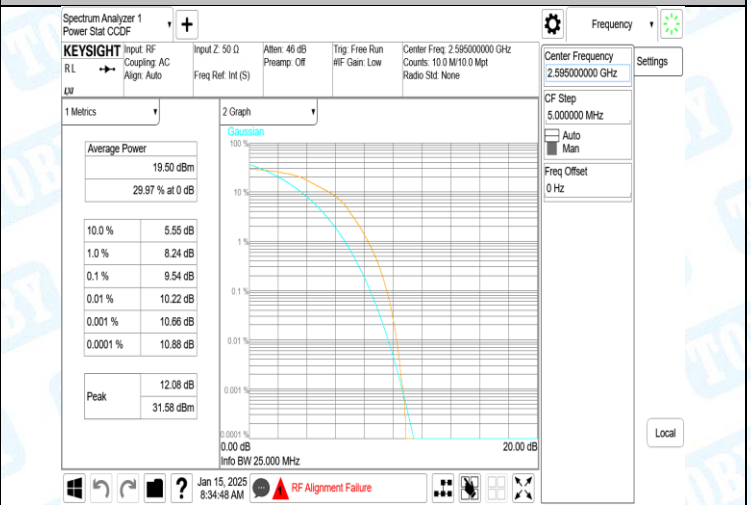
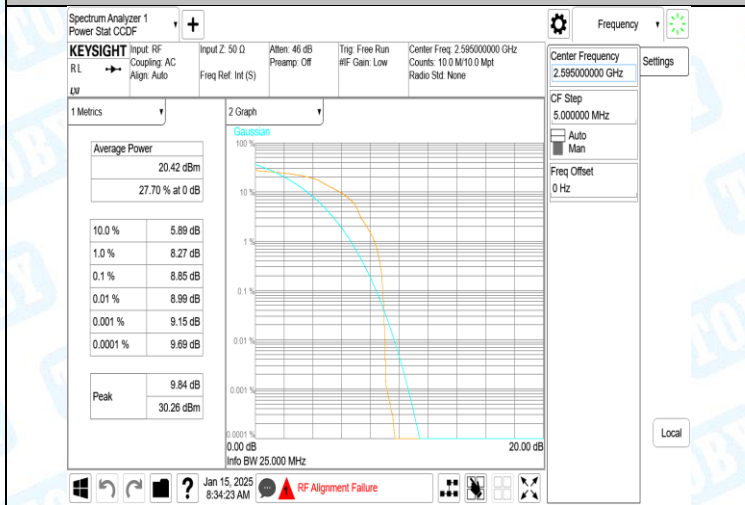
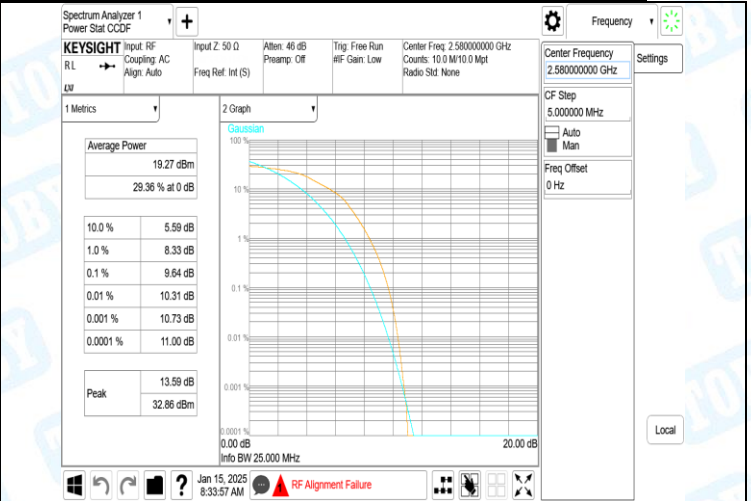
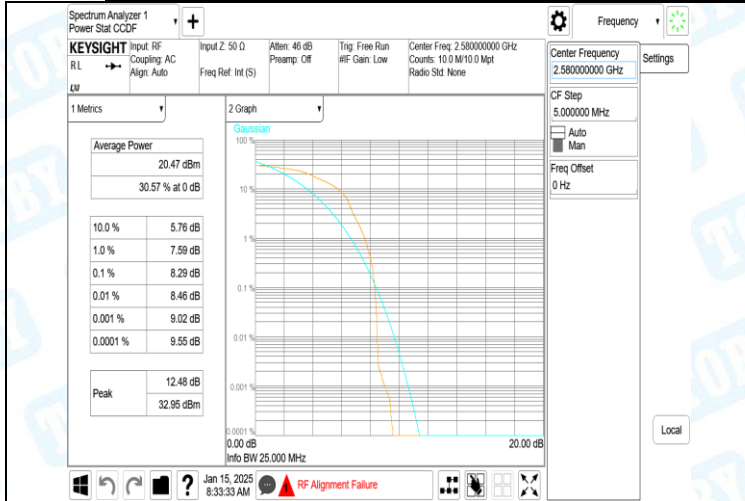
Band38-20MHz-QPSK-37850-100RB#0-PASS



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



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



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	4.5266	5.197	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.5072	5.273	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5305	5.287	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5280	5.610	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4974	5.096	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.5149	5.171	PASS
Band38	10MHz	QPSK	37800	50RB#0	9.0068	10.06	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0127	10.26	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0056	10.49	PASS
Band38	10MHz	16QAM	37800	50RB#0	9.0008	10.52	PASS
Band38	10MHz	16QAM	38000	50RB#0	9.0083	10.68	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9984	10.37	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.507	15.37	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.484	15.54	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.517	15.96	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.508	16.14	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.551	16.07	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.517	15.17	PASS
Band38	20MHz	QPSK	37850	100RB#0	18.051	19.74	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.964	20.12	PASS
Band38	20MHz	QPSK	38150	100RB#0	18.013	19.93	PASS
Band38	20MHz	16QAM	37850	100RB#0	18.015	20.33	PASS
Band38	20MHz	16QAM	38000	100RB#0	18.004	20.47	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.982	20.16	PASS