

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)..... 6

 Test Result 6

 Test Graphs..... 7

3: 26dB Bandwidth and Occupied Bandwidth 13

 Test Result 13

 Test Graphs..... 14

4: Band Edge 17

 Test Result 17

 Test Graphs..... 18

5: Conducted Spurious Emission..... 24

 Test Result 24

 Test Graphs..... 26

6: Frequency Stability 40

 Test Result 40

1: Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	1RB#0	24.24	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#12	24.69	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#24	24.16	PASS
40(2305-2315)	5MHz	QPSK	38725	12RB#0	23.65	PASS
40(2305-2315)	5MHz	QPSK	38725	12RB#6	23.65	PASS
40(2305-2315)	5MHz	QPSK	38725	12RB#13	23.69	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	23.66	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	24.08	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#12	24.57	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#24	24.09	PASS
40(2305-2315)	5MHz	QPSK	38750	12RB#0	23.72	PASS
40(2305-2315)	5MHz	QPSK	38750	12RB#6	23.72	PASS
40(2305-2315)	5MHz	QPSK	38750	12RB#13	23.77	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	23.57	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	24.06	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#12	24.56	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#24	24.09	PASS
40(2305-2315)	5MHz	QPSK	38775	12RB#0	23.62	PASS
40(2305-2315)	5MHz	QPSK	38775	12RB#6	23.63	PASS
40(2305-2315)	5MHz	QPSK	38775	12RB#13	23.68	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	23.67	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	23.77	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#12	23.81	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#24	23.85	PASS
40(2305-2315)	5MHz	16QAM	38725	12RB#0	22.85	PASS
40(2305-2315)	5MHz	16QAM	38725	12RB#6	22.83	PASS
40(2305-2315)	5MHz	16QAM	38725	12RB#13	22.85	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	22.86	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	23.79	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#12	23.83	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#24	23.79	PASS
40(2305-2315)	5MHz	16QAM	38750	12RB#0	22.77	PASS
40(2305-2315)	5MHz	16QAM	38750	12RB#6	22.77	PASS
40(2305-2315)	5MHz	16QAM	38750	12RB#13	22.80	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	22.81	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	23.55	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#12	23.45	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#24	23.52	PASS
40(2305-2315)	5MHz	16QAM	38775	12RB#0	22.87	PASS

40(2305-2315)	5MHz	16QAM	38775	12RB#6	22.87	PASS
40(2305-2315)	5MHz	16QAM	38775	12RB#13	22.77	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	22.84	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	23.76	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#24	24.10	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#49	24.17	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#0	24.00	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#12	24.00	PASS
40(2305-2315)	10MHz	QPSK	38750	25RB#25	23.90	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	23.99	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	23.84	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#24	24.18	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#49	24.26	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#0	23.18	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#12	23.18	PASS
40(2305-2315)	10MHz	16QAM	38750	25RB#25	23.22	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	23.04	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#0	24.69	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#12	24.70	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#24	24.64	PASS
40(2350-2360)	5MHz	QPSK	39175	12RB#0	23.74	PASS
40(2350-2360)	5MHz	QPSK	39175	12RB#6	23.73	PASS
40(2350-2360)	5MHz	QPSK	39175	12RB#13	23.76	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	23.74	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#0	24.85	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#12	24.78	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#24	24.86	PASS
40(2350-2360)	5MHz	QPSK	39200	12RB#0	23.68	PASS
40(2350-2360)	5MHz	QPSK	39200	12RB#6	23.84	PASS
40(2350-2360)	5MHz	QPSK	39200	12RB#13	23.73	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	23.71	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	24.68	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#12	24.73	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#24	24.81	PASS
40(2350-2360)	5MHz	QPSK	39225	12RB#0	23.70	PASS
40(2350-2360)	5MHz	QPSK	39225	12RB#6	23.70	PASS
40(2350-2360)	5MHz	QPSK	39225	12RB#13	23.66	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	23.69	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	23.85	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#12	23.89	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#24	23.90	PASS
40(2350-2360)	5MHz	16QAM	39175	12RB#0	22.63	PASS
40(2350-2360)	5MHz	16QAM	39175	12RB#6	22.62	PASS
40(2350-2360)	5MHz	16QAM	39175	12RB#13	22.65	PASS

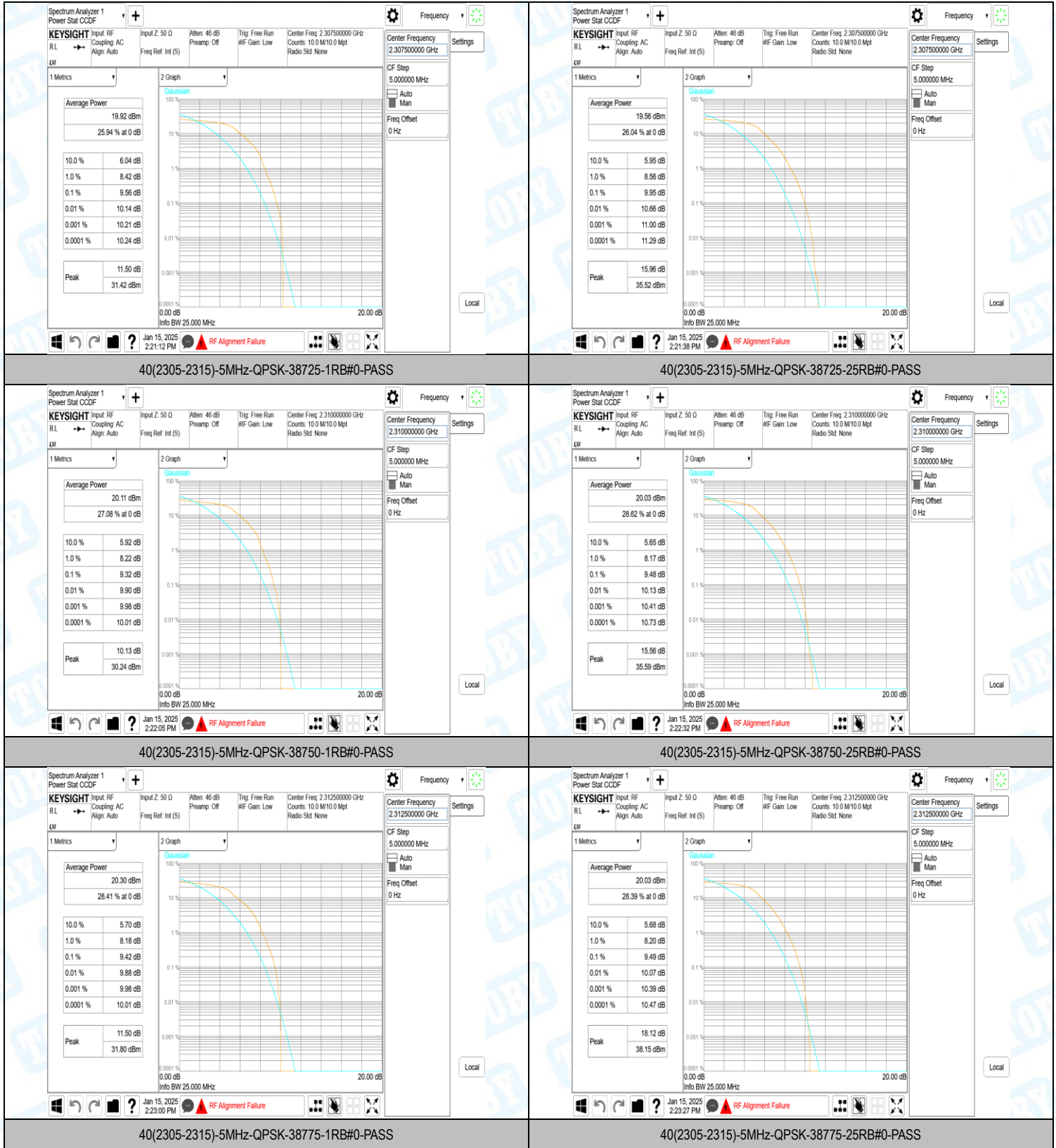
40(2350-2360)	5MHz	16QAM	39175	25RB#0	22.97	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#0	23.87	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#12	23.89	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#24	23.77	PASS
40(2350-2360)	5MHz	16QAM	39200	12RB#0	22.79	PASS
40(2350-2360)	5MHz	16QAM	39200	12RB#6	22.82	PASS
40(2350-2360)	5MHz	16QAM	39200	12RB#13	22.82	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	22.83	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	23.67	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#12	23.57	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#24	23.48	PASS
40(2350-2360)	5MHz	16QAM	39225	12RB#0	22.86	PASS
40(2350-2360)	5MHz	16QAM	39225	12RB#6	22.85	PASS
40(2350-2360)	5MHz	16QAM	39225	12RB#13	22.75	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	22.80	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	24.58	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#24	24.51	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#49	24.55	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#0	23.83	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#12	23.82	PASS
40(2350-2360)	10MHz	QPSK	39200	25RB#25	23.81	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	23.78	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	23.77	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#24	23.80	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#49	23.79	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#0	23.13	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#12	23.22	PASS
40(2350-2360)	10MHz	16QAM	39200	25RB#25	23.05	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	22.88	PASS

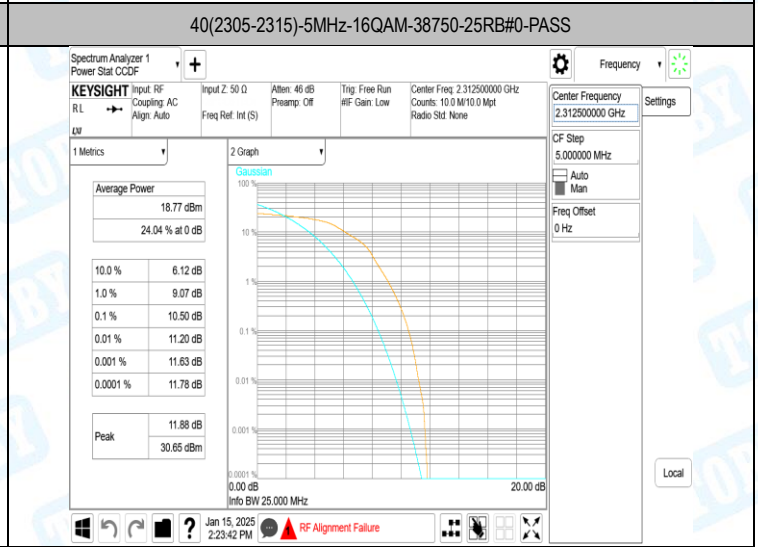
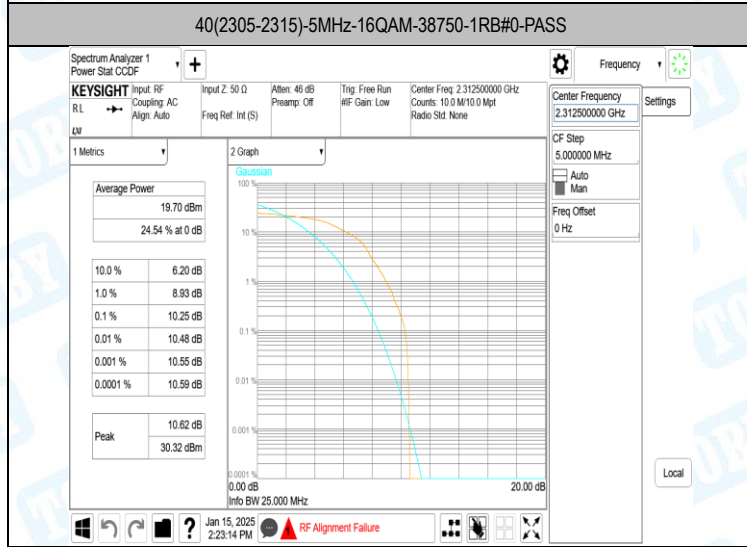
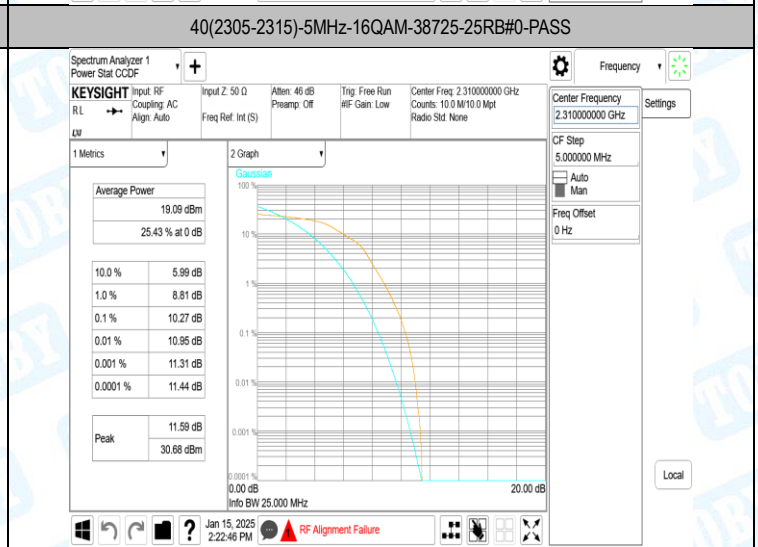
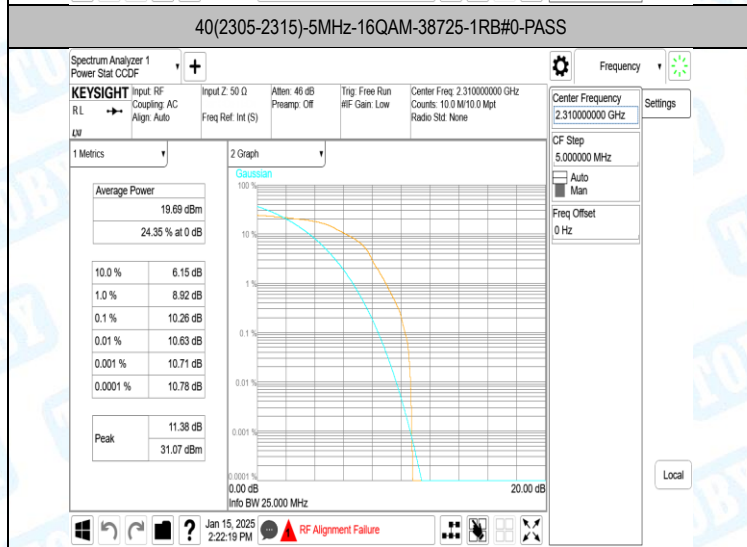
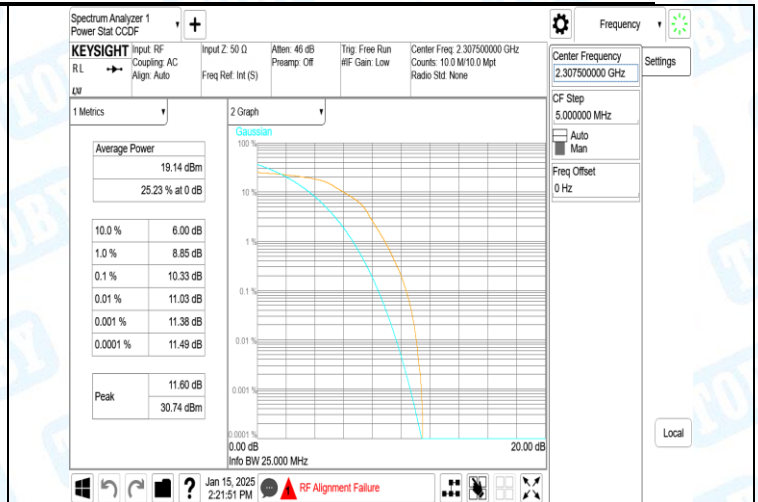
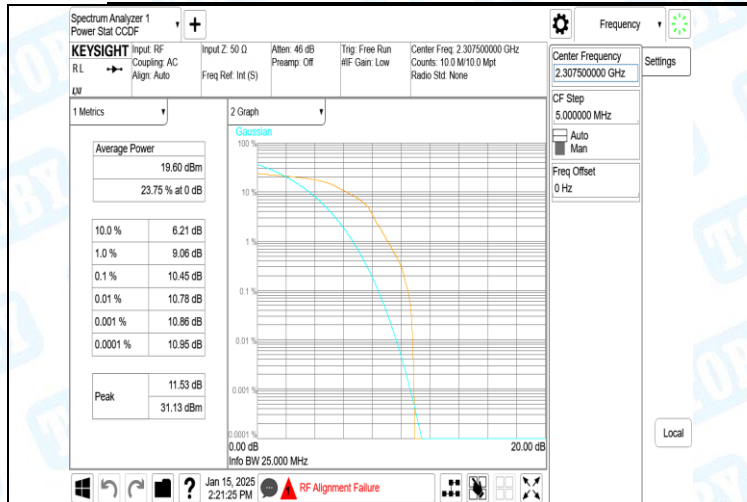
2: Peak-to-Average Ratio(CCDF)

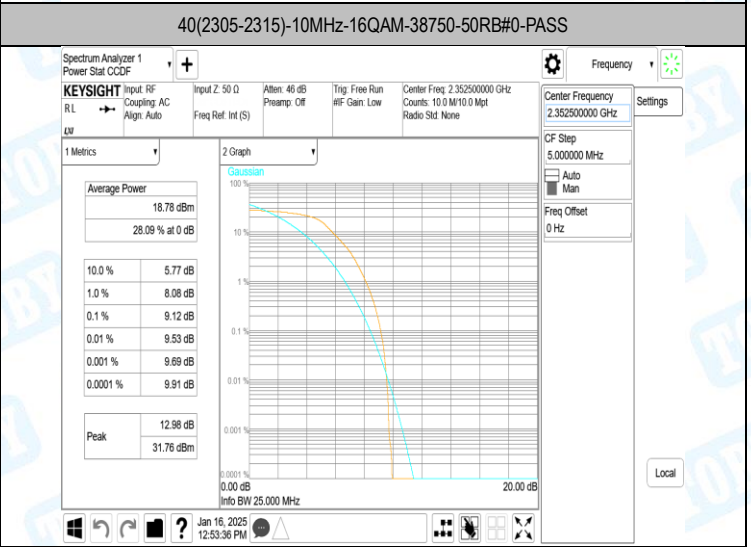
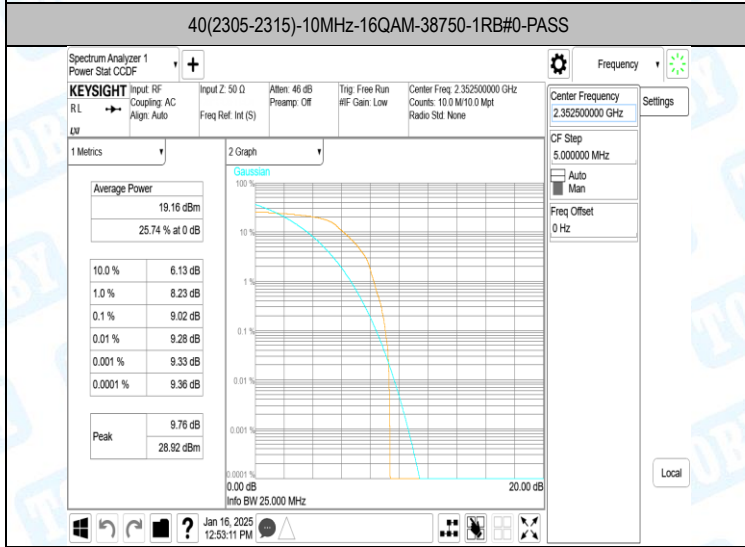
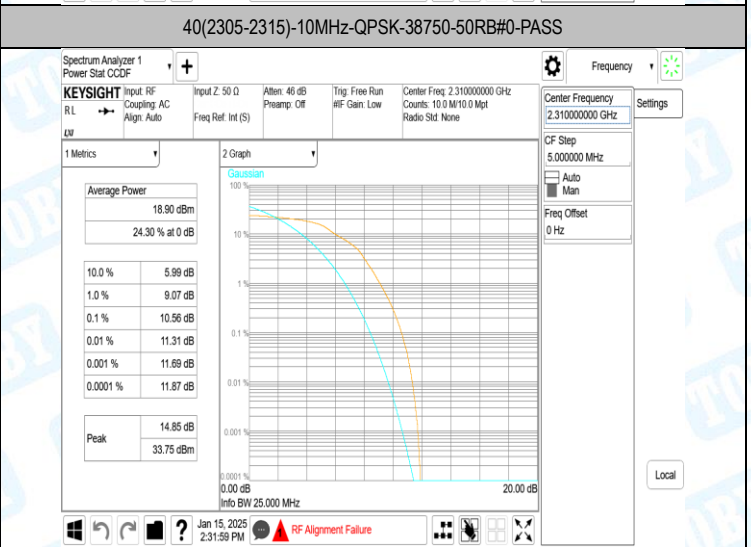
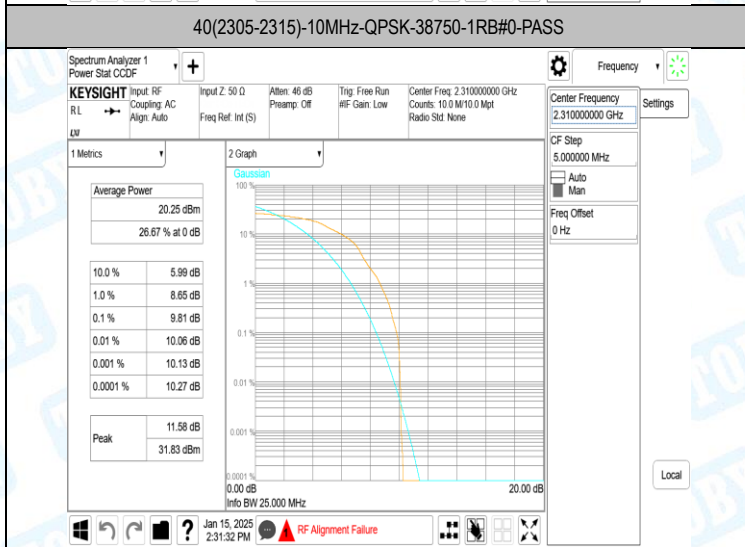
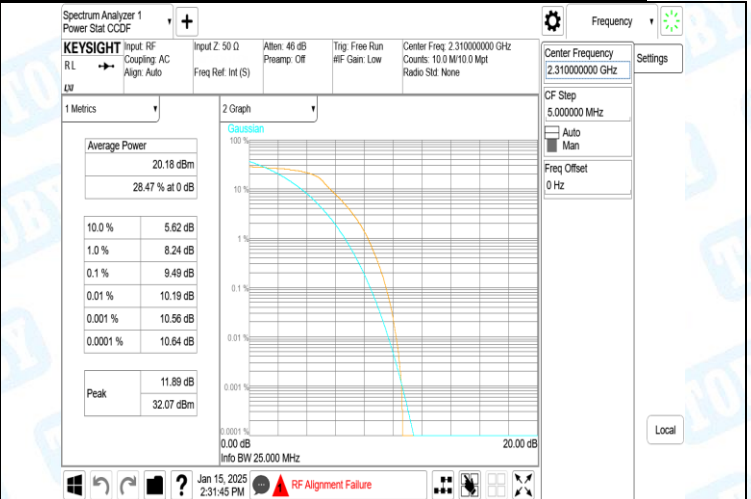
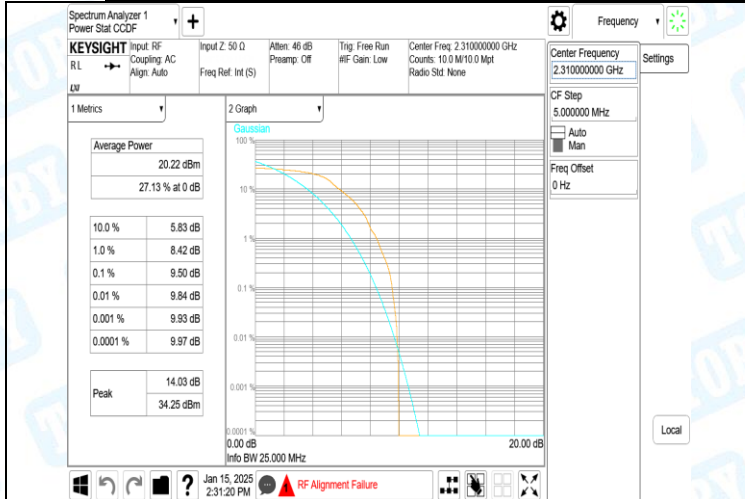
Test Result

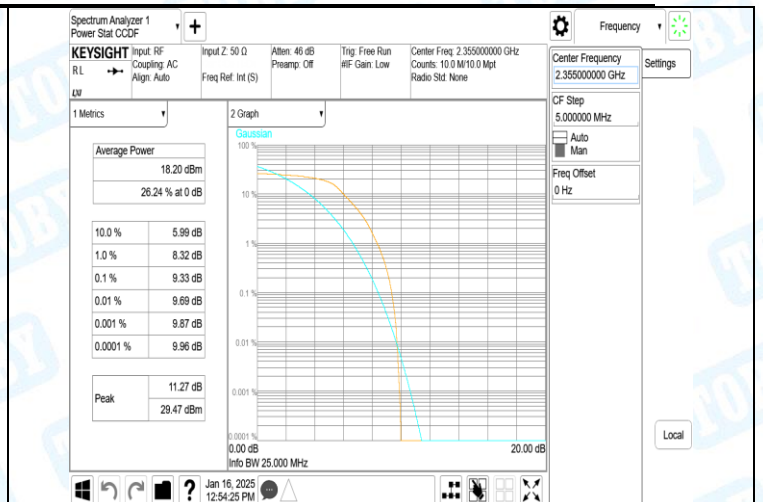
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
40(2305-2315)	5MHz	QPSK	38725	1RB#0	9.56	13	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	9.95	13	PASS
40(2305-2315)	5MHz	QPSK	38750	1RB#0	9.32	13	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	9.48	13	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	9.42	13	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	9.49	13	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	10.45	13	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	10.33	13	PASS
40(2305-2315)	5MHz	16QAM	38750	1RB#0	10.26	13	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	10.27	13	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	10.25	13	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	10.50	13	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	9.50	13	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	9.49	13	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	9.81	13	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	10.56	13	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#0	9.02	13	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	9.12	13	PASS
40(2350-2360)	5MHz	QPSK	39200	1RB#0	9.12	13	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	9.33	13	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	8.42	13	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	8.42	13	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	10.21	13	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	9.96	13	PASS
40(2350-2360)	5MHz	16QAM	39200	1RB#0	9.21	13	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	10.07	13	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	8.42	13	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	8.43	13	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	8.80	13	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	9.58	13	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	9.31	13	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	9.79	13	PASS

Test Graphs

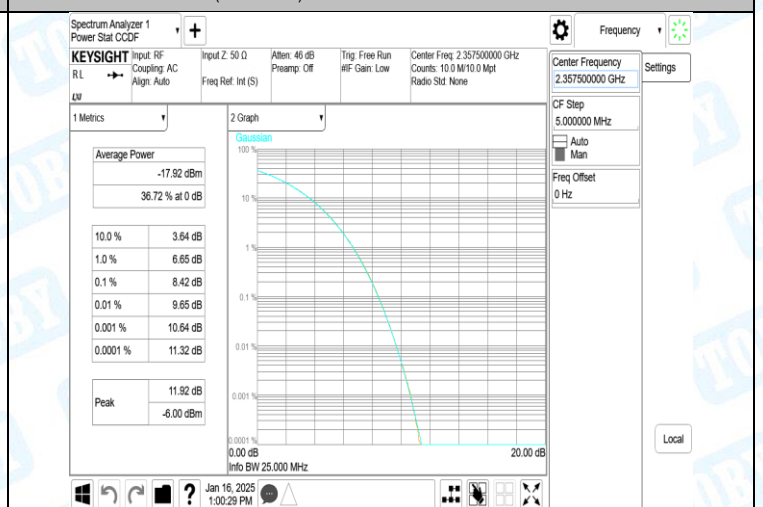




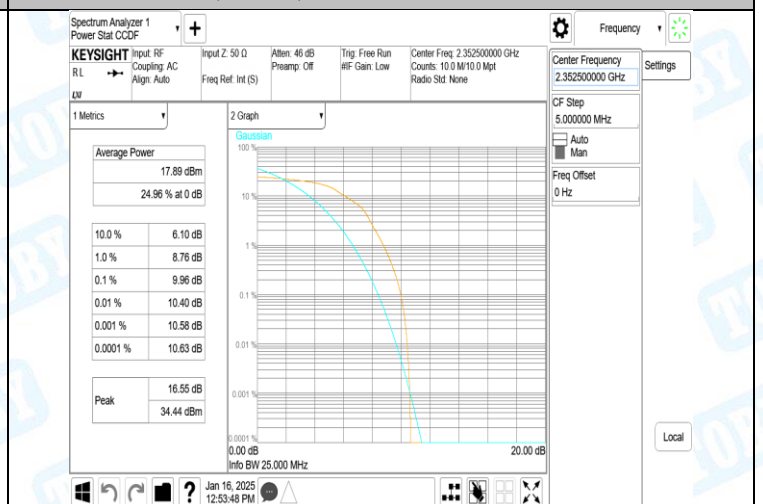




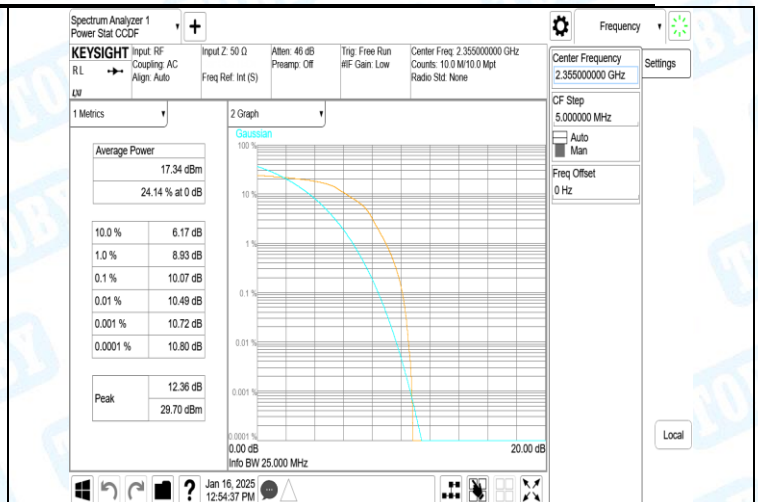
40(2350-2360)-5MHz-QPSK-39200-25RB#0-PASS



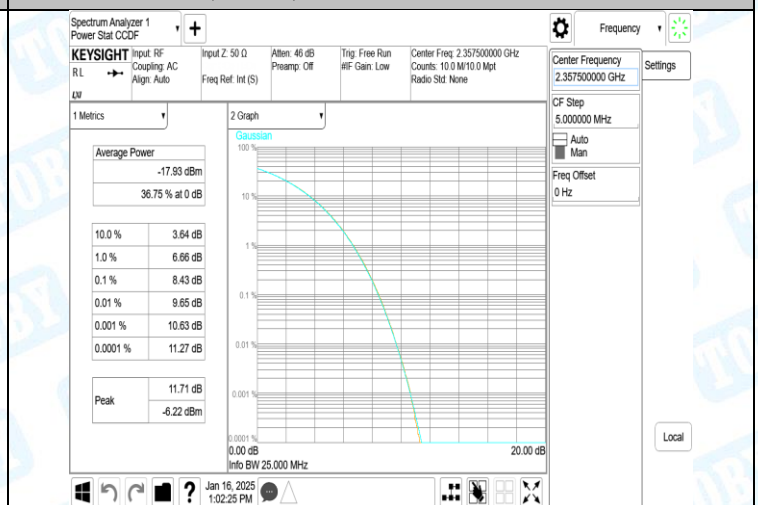
40(2350-2360)-5MHz-QPSK-39225-25RB#0-PASS



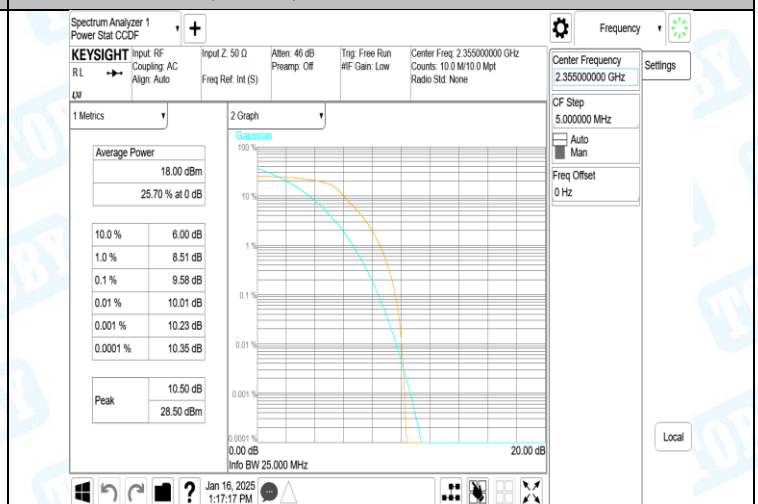
40(2350-2360)-5MHz-16QAM-39175-25RB#0-PASS



40(2350-2360)-5MHz-16QAM-39200-25RB#0-PASS



40(2350-2360)-5MHz-16QAM-39225-25RB#0-PASS



40(2350-2360)-10MHz-QPSK-39200-50RB#0-PASS

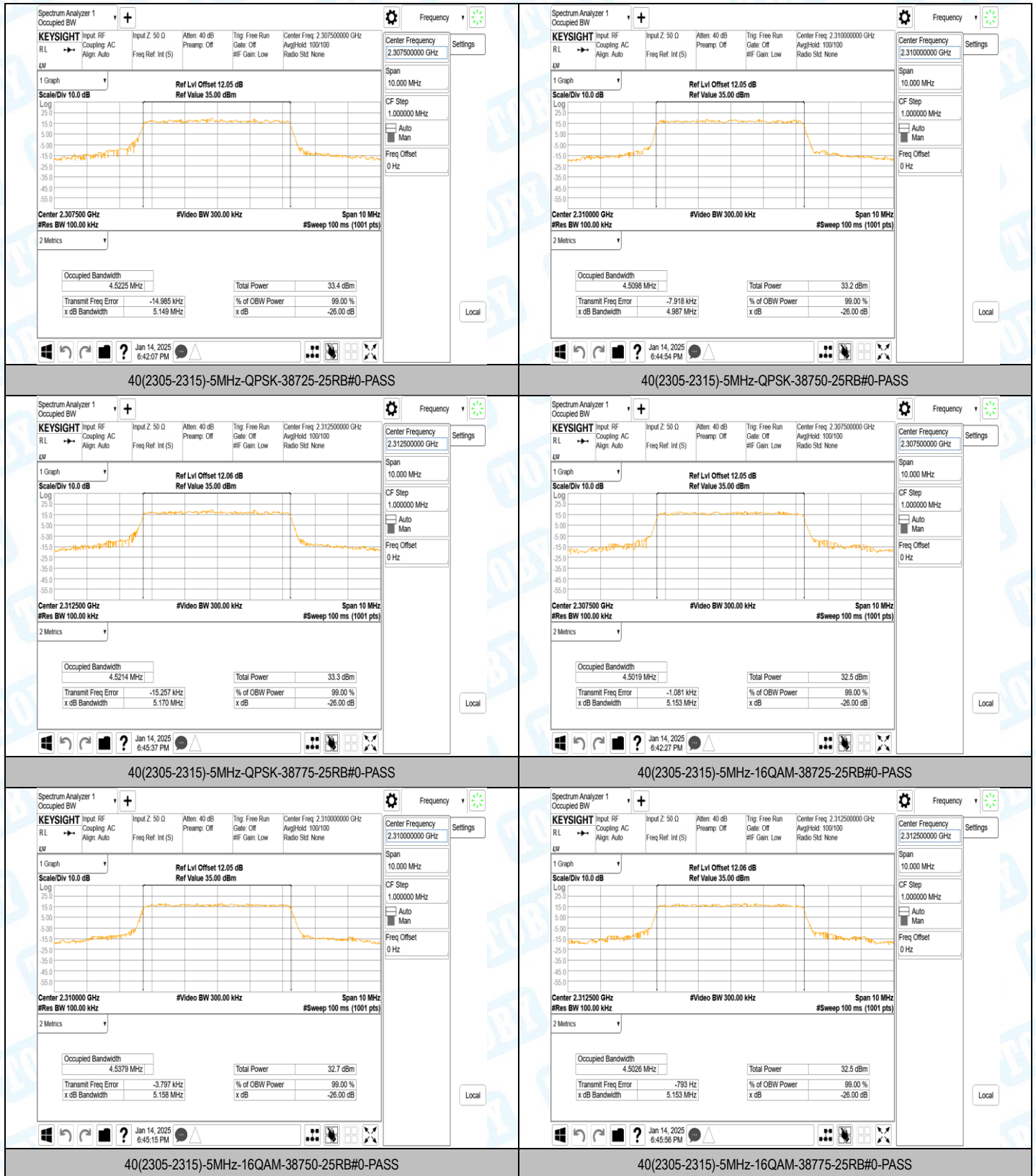


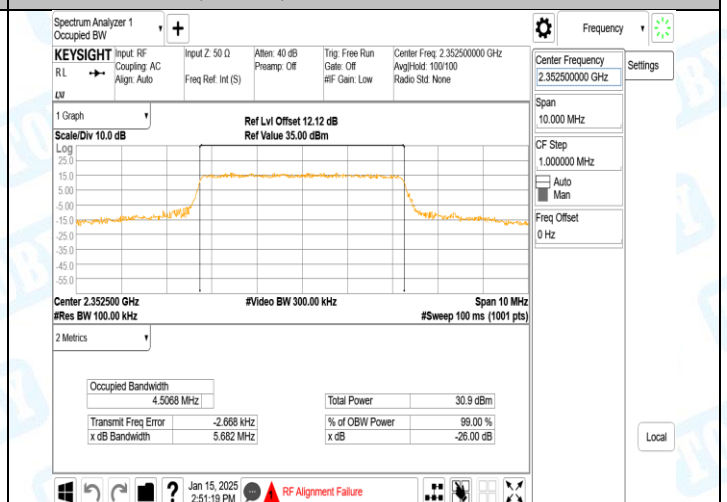
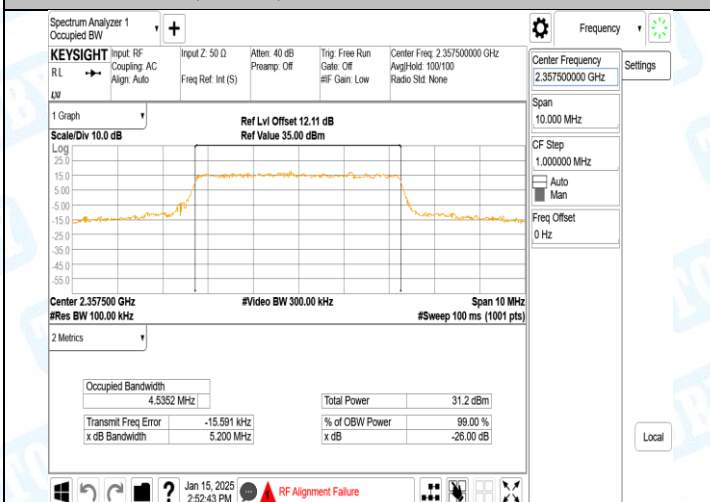
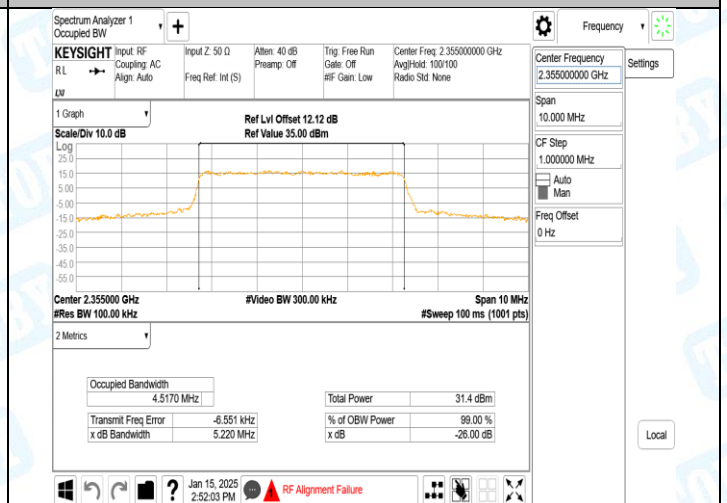
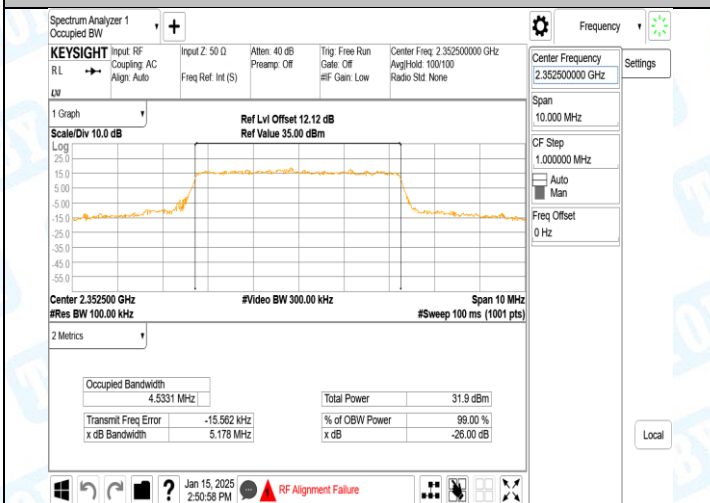
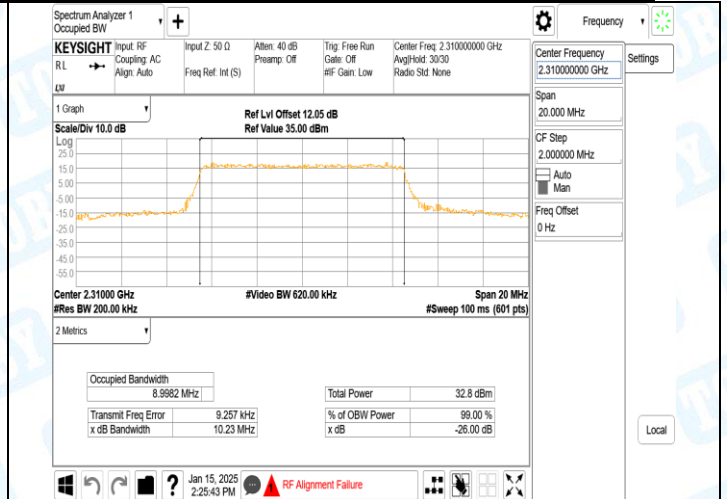
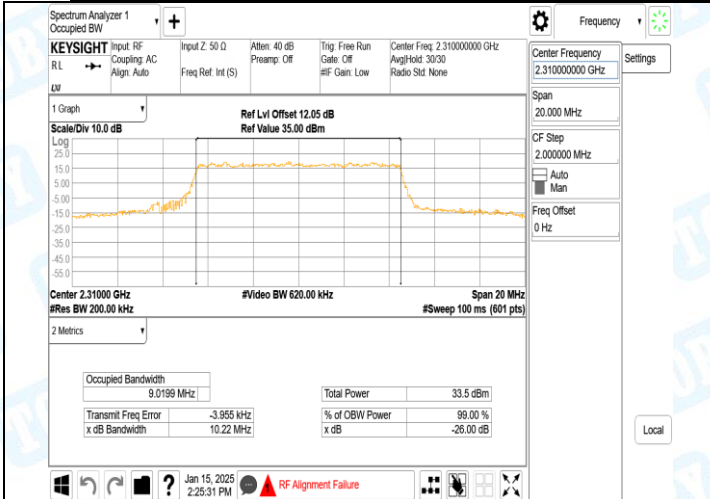
3: 26dB Bandwidth and Occupied Bandwidth

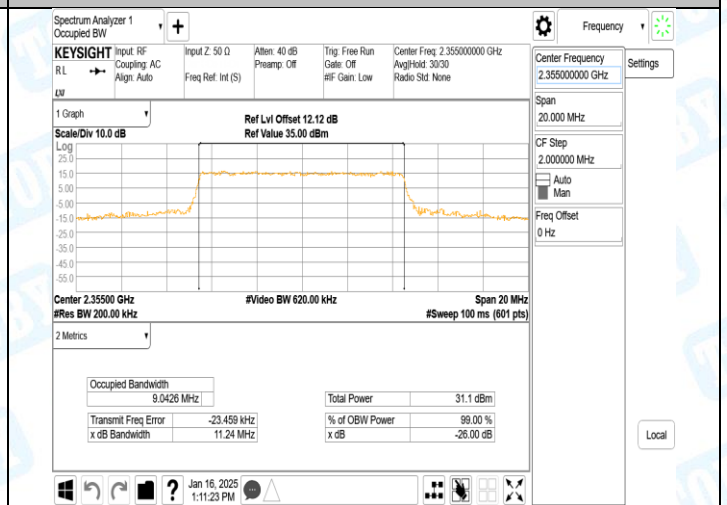
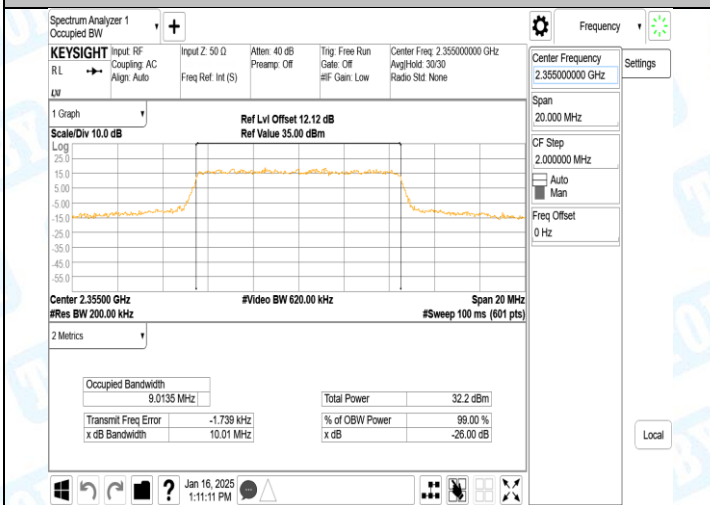
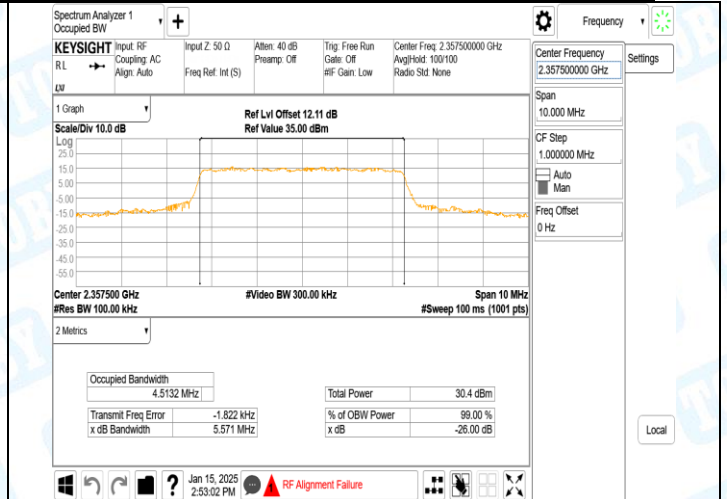
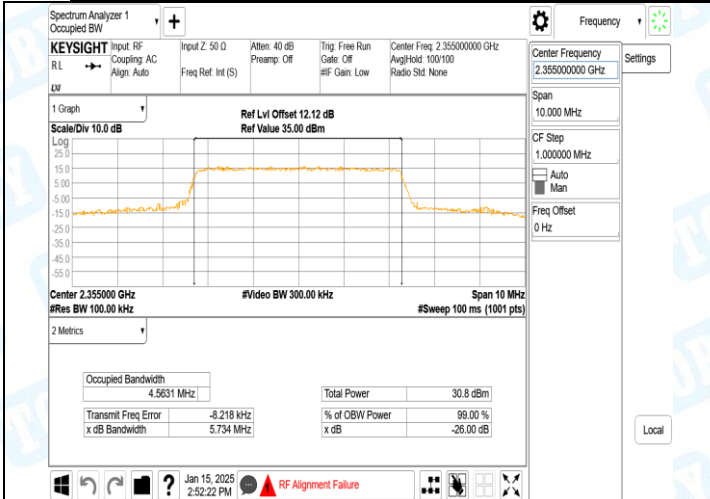
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	4.5225	5.149	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	4.5098	4.987	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	4.5214	5.170	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	4.5019	5.153	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	4.5379	5.158	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	4.5026	5.153	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	9.0199	10.22	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	8.9982	10.23	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	4.5331	5.178	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	4.5170	5.220	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	4.5352	5.200	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	4.5068	5.682	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	4.5631	5.734	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	4.5132	5.571	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	9.0135	10.01	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	9.0426	11.24	PASS

Test Graphs







4: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Level_dBm	Margin	Verdict
40(2305-2315)	5MHz	QPSK	38725	1RB#0	-58.13	5.23	PASS
40(2305-2315)	5MHz	QPSK	38725	1RB#24	-57.85	4.95	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	-52.28	2.38	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#0	-56.02	3.12	PASS
40(2305-2315)	5MHz	QPSK	38775	1RB#24	-57.82	4.92	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	-28.72	2.82	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#0	-57.70	4.80	PASS
40(2305-2315)	5MHz	16QAM	38725	1RB#24	-57.73	4.83	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	-52.57	2.67	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#0	-56.37	3.47	PASS
40(2305-2315)	5MHz	16QAM	38775	1RB#24	-58.09	5.19	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	-57.04	4.14	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#0	-55.22	5.22	PASS
40(2305-2315)	10MHz	QPSK	38750	1RB#49	-52.44	5.44	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	-50.46	3.46	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#0	-55.73	5.73	PASS
40(2305-2315)	10MHz	16QAM	38750	1RB#49	-55.82	5.82	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	-44.98	3.98	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#0	-58.60	5.70	PASS
40(2350-2360)	5MHz	QPSK	39175	1RB#24	-56.88	3.98	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	-58.46	5.56	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#0	-58.41	5.51	PASS
40(2350-2360)	5MHz	QPSK	39225	1RB#24	-57.67	4.77	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	-57.33	4.43	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#0	-56.18	3.28	PASS
40(2350-2360)	5MHz	16QAM	39175	1RB#24	-57.02	4.12	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	-57.07	4.17	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#0	-56.82	3.92	PASS
40(2350-2360)	5MHz	16QAM	39225	1RB#24	-57.91	5.01	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	-57.14	4.24	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#0	-54.96	4.96	PASS
40(2350-2360)	10MHz	QPSK	39200	1RB#49	-55.71	5.71	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	-53.15	3.15	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#0	-55.66	5.66	PASS
40(2350-2360)	10MHz	16QAM	39200	1RB#49	-56.13	6.13	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	-51.80	1.80	PASS