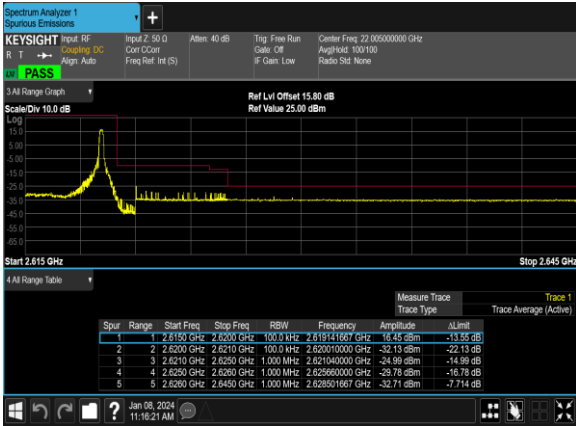
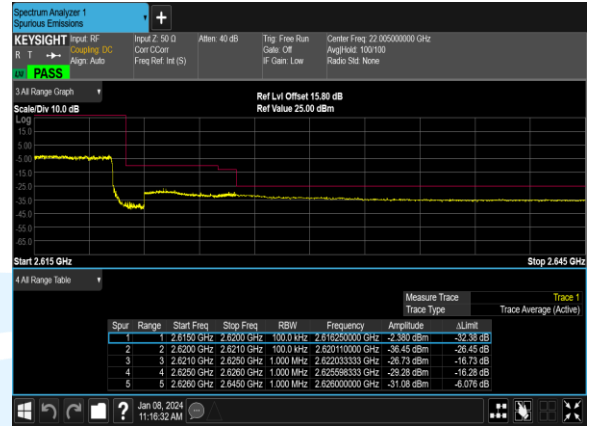


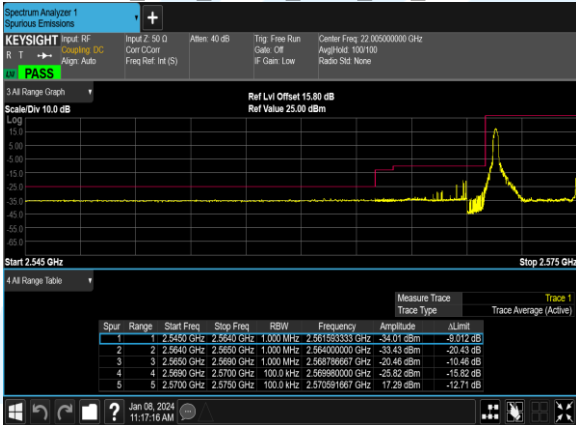
B38\_15M\_16QAM\_1@74\_CH\_38175



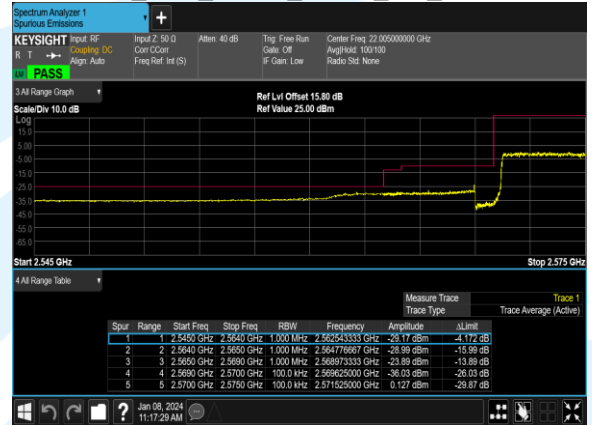
B38\_15M\_16QAM\_75@0\_CH\_38175



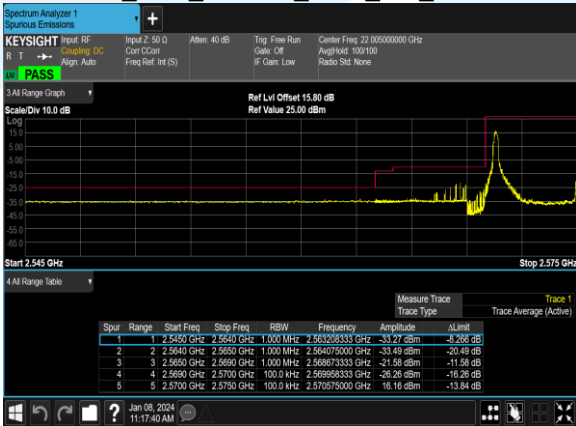
B38\_10M\_QPSK\_1@0\_CH\_37800



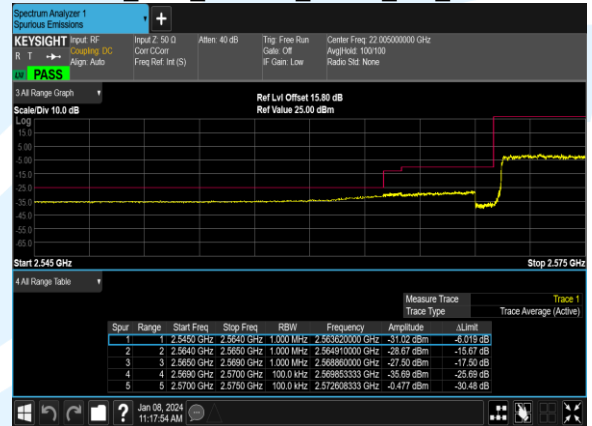
B38\_10M\_QPSK\_50@0\_CH\_37800



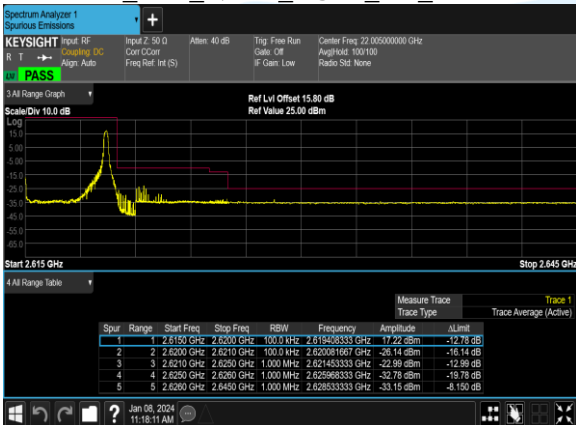
B38\_10M\_16QAM\_1@0\_CH\_37800



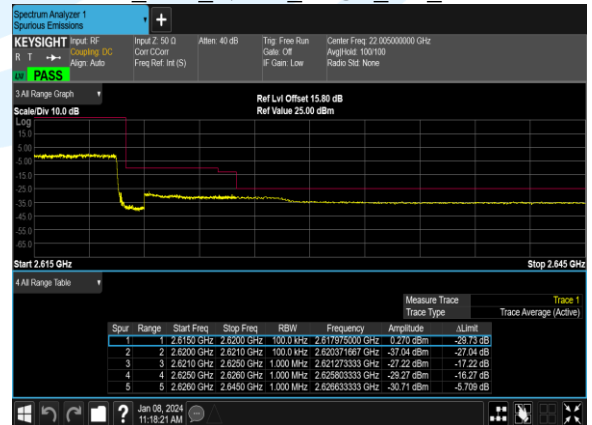
B38\_10M\_16QAM\_50@0\_CH\_37800



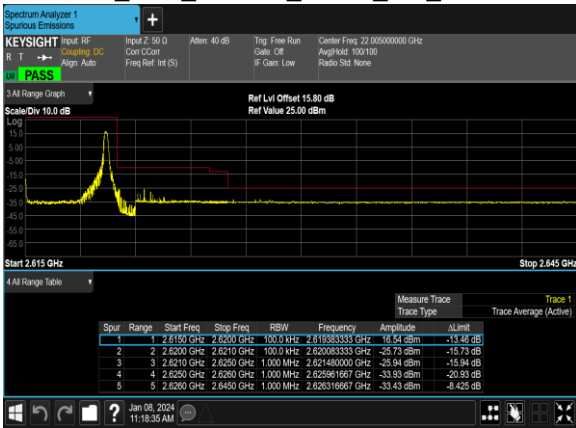
B38\_10M\_QPSK\_1@49\_CH\_38200



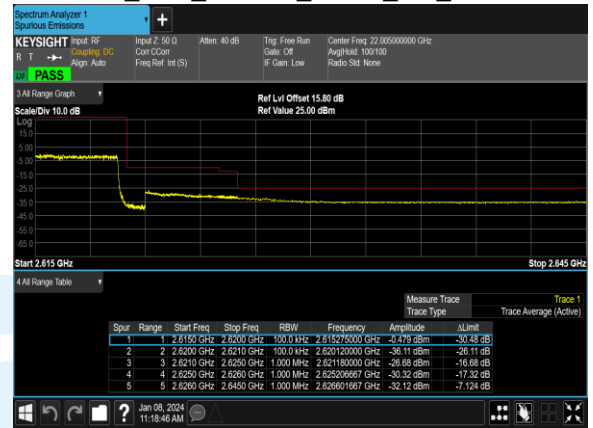
B38\_10M\_QPSK\_50@0\_CH\_38200



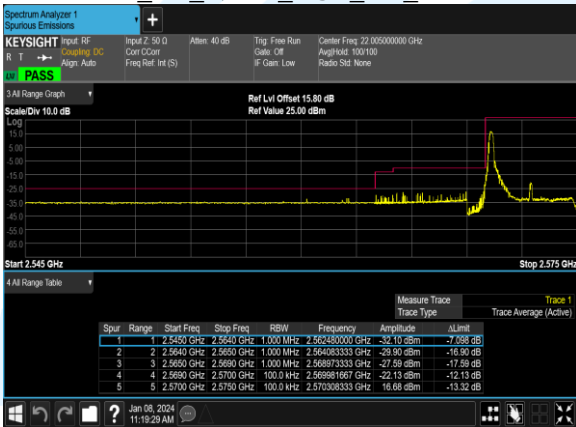
B38\_10M\_16QAM\_1@49\_CH\_38200



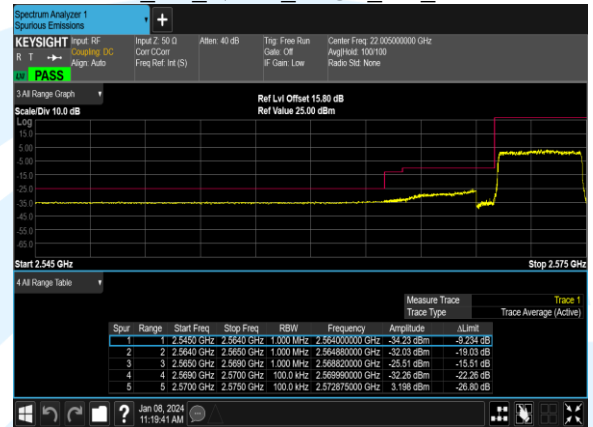
B38\_10M\_16QAM\_50@0\_CH\_38200



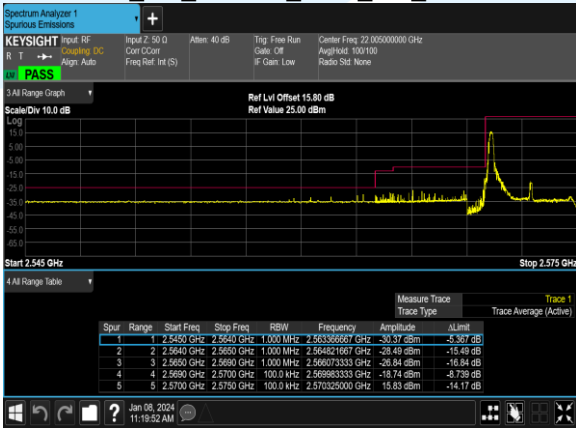
B38\_5M\_QPSK\_1@0\_CH\_37775



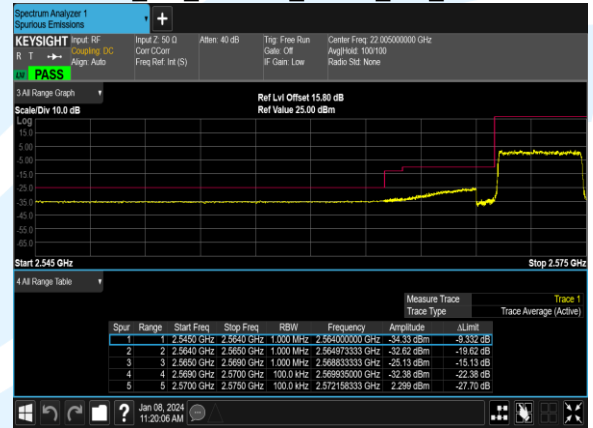
B38\_5M\_QPSK\_25@0\_CH\_37775



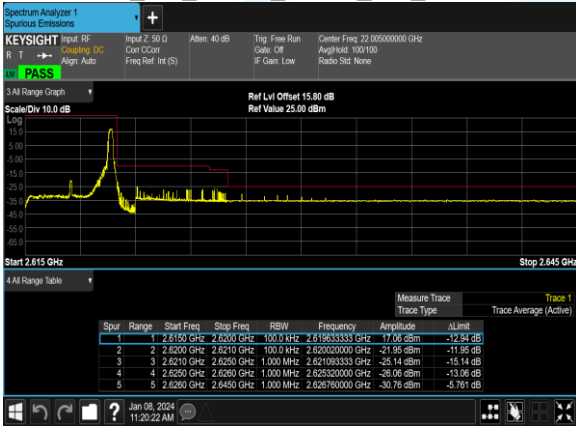
B38\_5M\_16QAM\_1@0\_CH\_37775



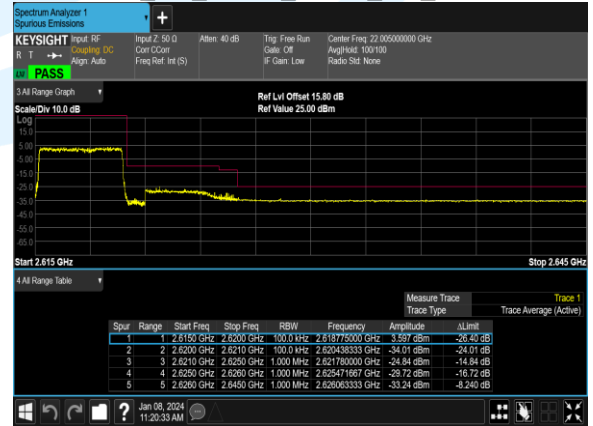
B38\_5M\_16QAM\_25@0\_CH\_37775



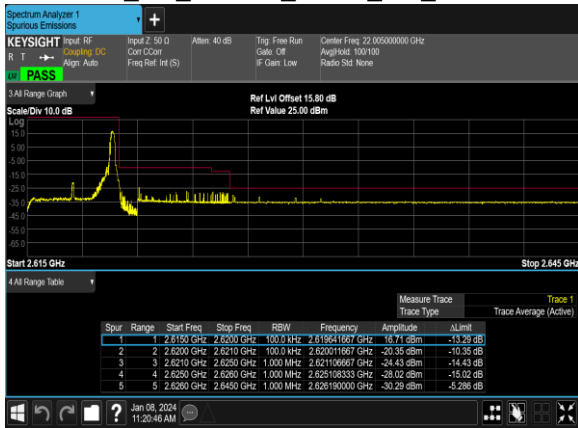
B38\_5M\_QPSK\_1@24\_CH\_38225



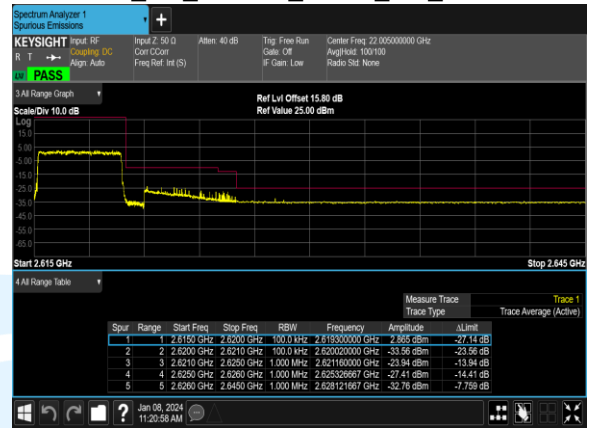
B38\_5M\_QPSK\_25@0\_CH\_38225



B38\_5M\_16QAM\_1@24\_CH\_38225



B38\_5M\_16QAM\_25@0\_CH\_38225



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### A.13 LTE BAND 40A

#### Peak to Average Ratio

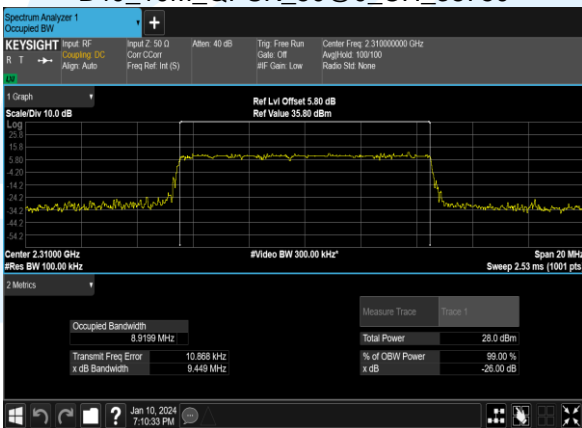
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
40	10.0	38750	2310.0	QPSK	50@0	6.69	13	PASS
40	10.0	38750	2310.0	16QAM	50@0	7.57	13	PASS
40	5.0	38725	2307.5	QPSK	25@0	6.02	13	PASS
40	5.0	38725	2307.5	16QAM	25@0	6.63	13	PASS
40	5.0	38750	2310.0	QPSK	25@0	6.50	13	PASS
40	5.0	38750	2310.0	16QAM	25@0	7.12	13	PASS
40	5.0	38775	2312.5	QPSK	25@0	6.30	13	PASS
40	5.0	38775	2312.5	16QAM	25@0	7.11	13	PASS

#### Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
40	10.0	38750	2310.0	QPSK	50@0	8.9199	9.449
40	10.0	38750	2310.0	16QAM	50@0	8.9273	9.359
40	5.0	38725	2307.5	QPSK	25@0	4.4614	4.814
40	5.0	38725	2307.5	16QAM	25@0	4.4621	4.762
40	5.0	38750	2310.0	QPSK	25@0	4.4604	4.751
40	5.0	38750	2310.0	16QAM	25@0	4.4566	4.796
40	5.0	38775	2312.5	QPSK	25@0	4.4546	4.724
40	5.0	38775	2312.5	16QAM	25@0	4.4564	4.803

#### Test Graphs

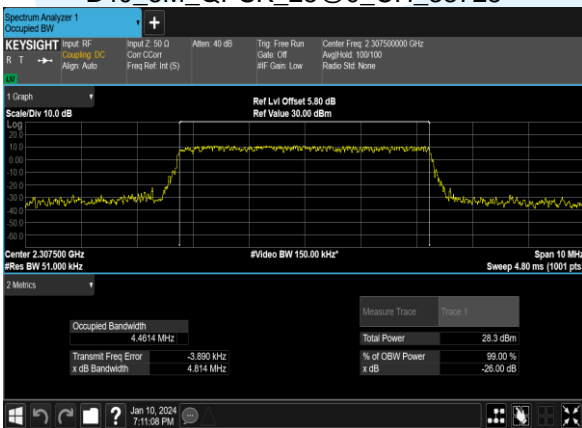
B40\_10M\_QPSK\_50@0\_CH\_38750



B40\_10M\_16QAM\_50@0\_CH\_38750



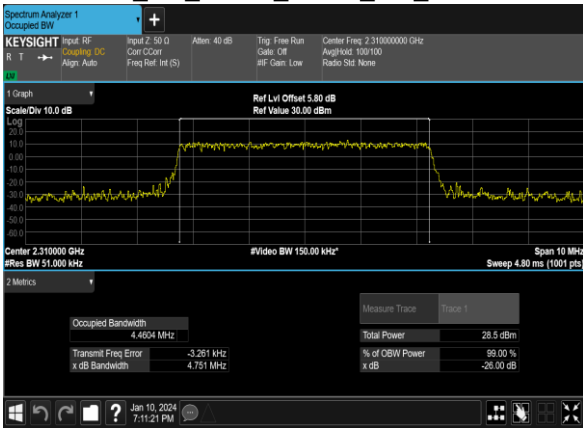
B40\_5M\_QPSK\_25@0\_CH\_38725



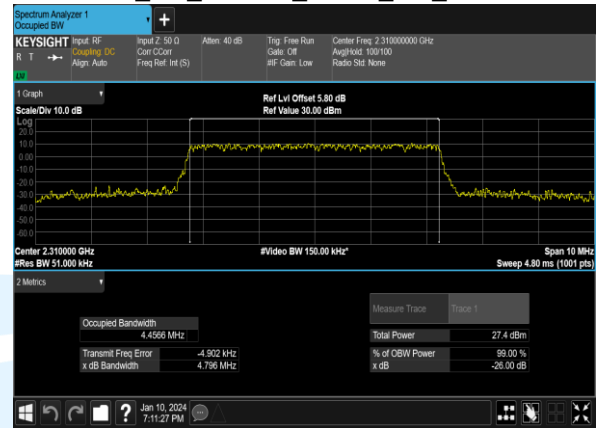
B40\_5M\_16QAM\_25@0\_CH\_38725



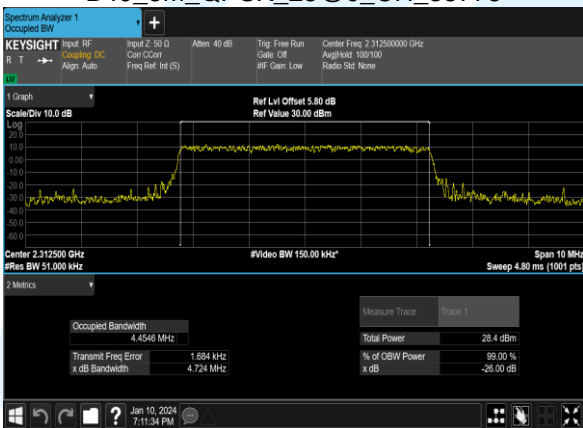
B40\_5M\_QPSK\_25@0\_CH\_38750



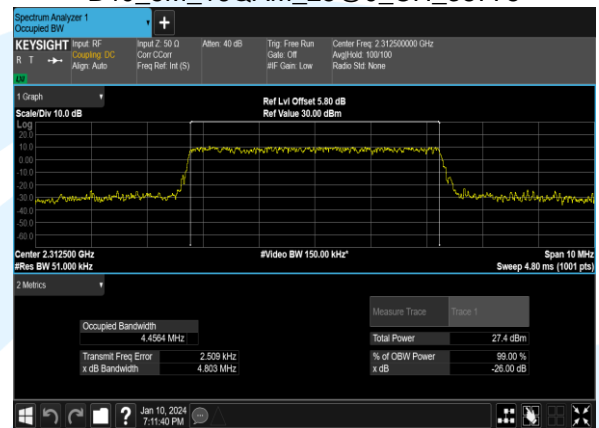
B40\_5M\_16QAM\_25@0\_CH\_38750



B40\_5M\_QPSK\_25@0\_CH\_38775



B40\_5M\_16QAM\_25@0\_CH\_38775

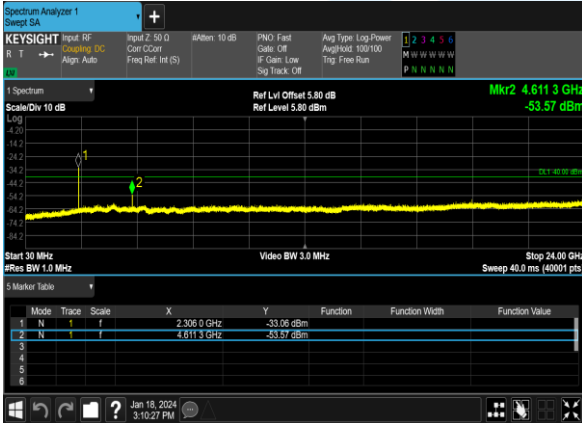


## Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
40	10.0	38750	2310.0	QPSK	1@0	-53.57	-40	PASS
40	10.0	38750	2310.0	16QAM	1@0	-53.28	-40	PASS
40	5.0	38725	2307.5	QPSK	1@0	-55.99	-40	PASS
40	5.0	38725	2307.5	16QAM	1@0	-54.97	-40	PASS
40	5.0	38750	2310.0	QPSK	1@0	-56.92	-40	PASS
40	5.0	38750	2310.0	16QAM	1@0	-57.36	-40	PASS
40	5.0	38775	2312.5	QPSK	1@0	-52.52	-40	PASS
40	5.0	38775	2312.5	16QAM	1@0	-52.75	-40	PASS

## Test Graphs

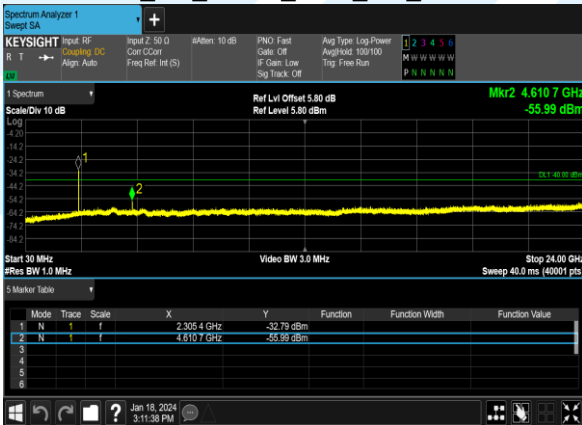
B40\_10M\_QPSK\_1@0\_CH\_38750



B40\_10M\_16QAM\_1@0\_CH\_38750



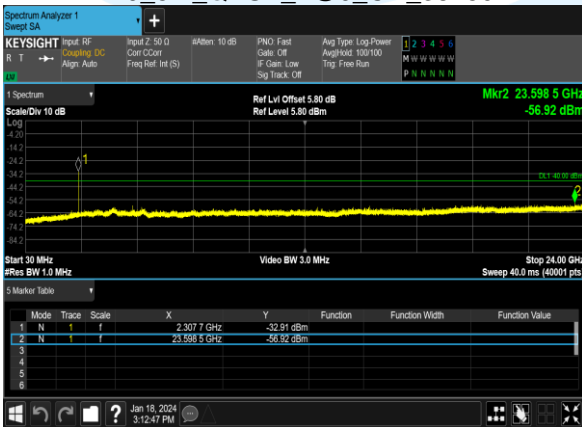
B40\_5M\_QPSK\_1@0\_CH\_38725



B40\_5M\_16QAM\_1@0\_CH\_38725



B40\_5M\_QPSK\_1@0\_CH\_38750

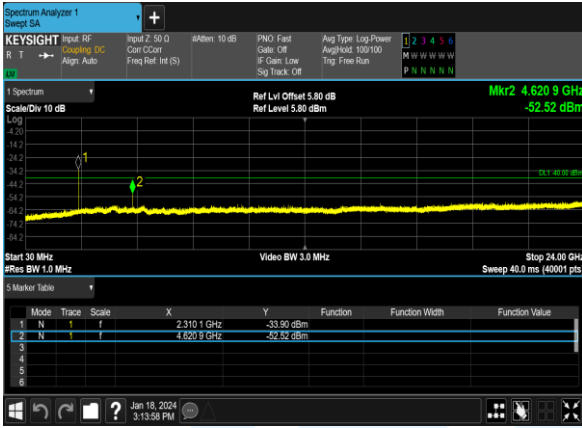


B40\_5M\_16QAM\_1@0\_CH\_38750

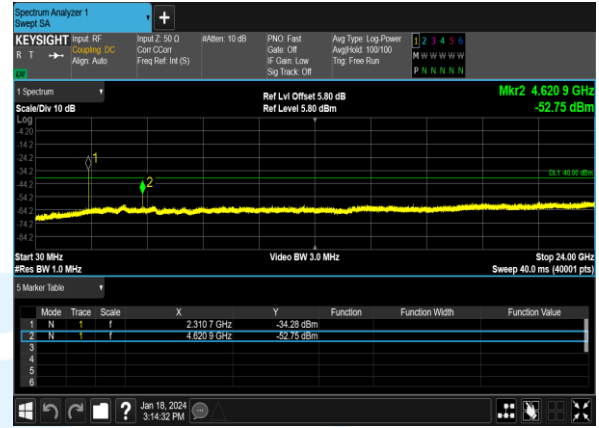




B40\_5M\_QPSK\_1@0\_CH\_38775



B40\_5M\_16QAM\_1@0\_CH\_38775

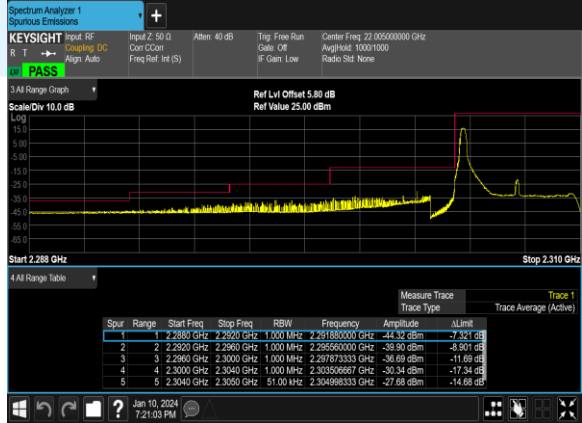


### Conducted Band Edge

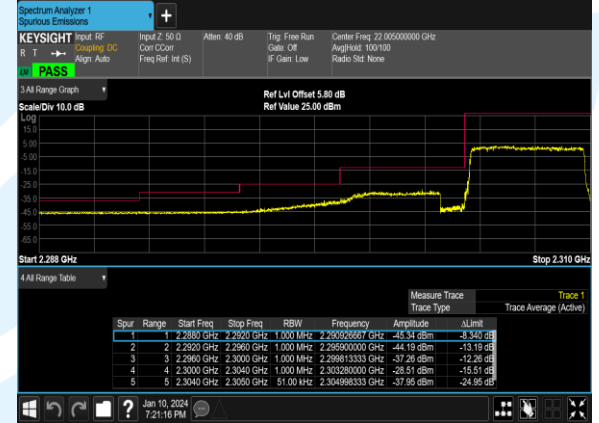
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
40	10	38750	2310	QPSK	1@0	see graph	PASS
40	10	38750	2310	QPSK	50@0	see graph	PASS
40	10	38750	2310	16QAM	1@0	see graph	PASS
40	10	38750	2310	16QAM	50@0	see graph	PASS
40	5.0	38725	2307.5	QPSK	1@0	see graph	PASS
40	5.0	38725	2307.5	QPSK	25@0	see graph	PASS
40	5.0	38725	2307.5	16QAM	1@0	see graph	PASS
40	5.0	38725	2307.5	16QAM	25@0	see graph	PASS
40	5.0	38775	2312.5	QPSK	1@24	see graph	PASS
40	5.0	38775	2312.5	QPSK	25@0	see graph	PASS
40	5.0	38775	2312.5	16QAM	1@24	see graph	PASS
40	5.0	38775	2312.5	16QAM	25@0	see graph	PASS

### Test Graphs

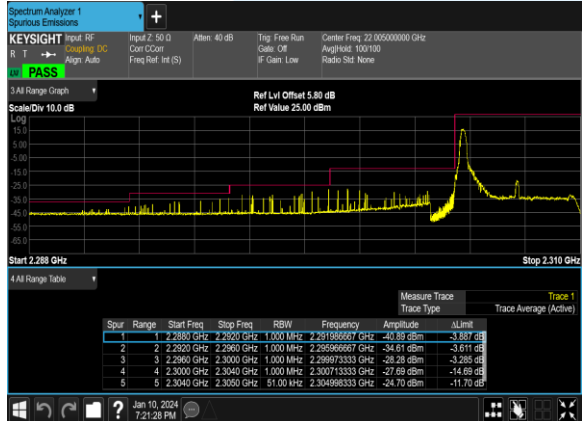
B40\_5M\_QPSK\_1@0\_CH\_38725



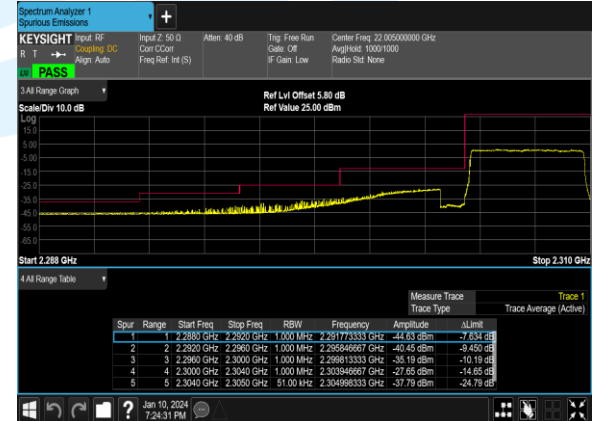
B40\_5M\_QPSK\_25@0\_CH\_38725



B40\_5M\_16QAM\_1@0\_CH\_38725



B40\_5M\_16QAM\_25@0\_CH\_38725



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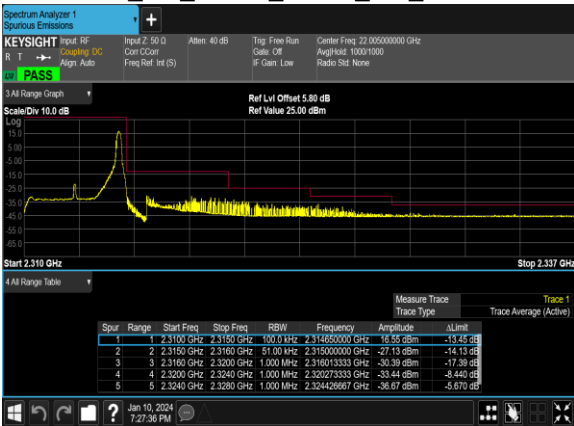
Fax: +86-755-28230886

E-mail: info@uttlab.com

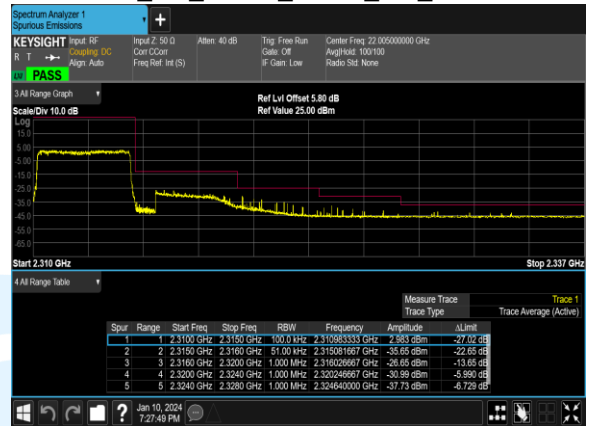
<http://www.uttlab.com>

UTTR-RF-FCC4G-V.1.1

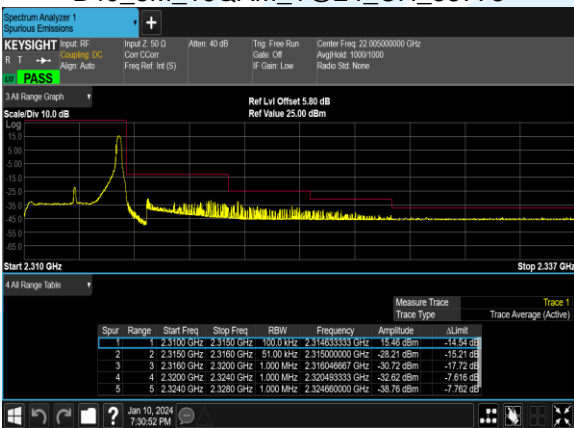
B40\_5M\_QPSK\_1@24\_CH\_38775



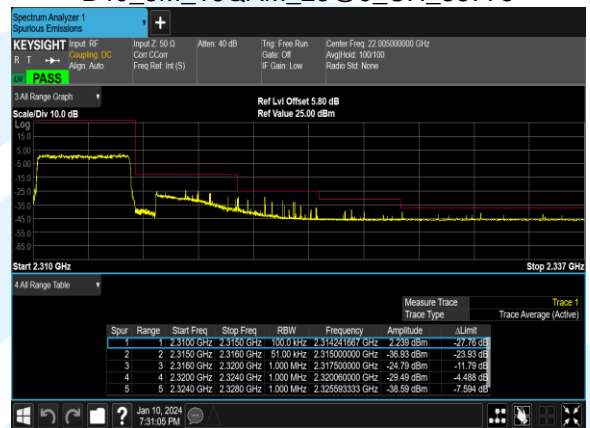
B40\_5M\_QPSK\_25@0\_CH\_38775



B40\_5M\_16QAM\_1@24\_CH\_38775



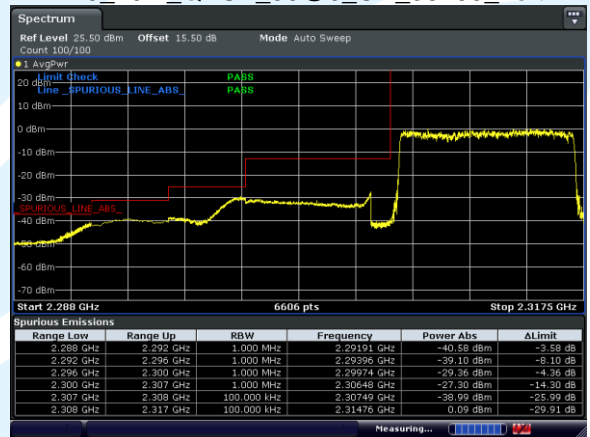
B40\_5M\_16QAM\_25@0\_CH\_38775



B40\_10M\_QPSK\_1@0\_CH\_38750\_Left



B40\_10M\_QPSK\_50@0\_CH\_38750\_Left



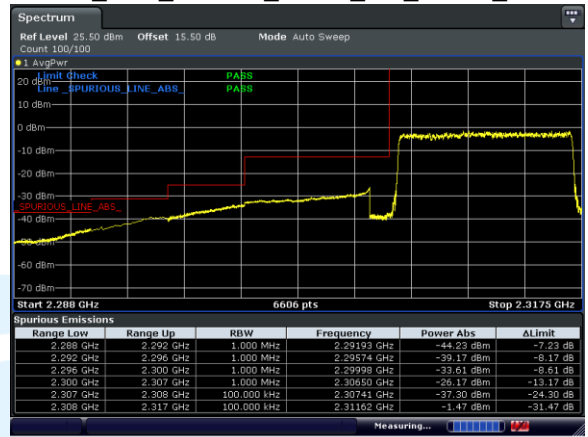


B40\_10M\_16QAM\_1@0\_CH\_38750\_Left



Date: 2, JAN, 2024 21:12:49

B40\_10M\_16QAM\_50@0\_CH\_38750\_Left



Date: 2, JAN, 2024 21:11:31

B40\_10M\_QPSK\_1@24\_CH\_38750\_Right



Date: 2, JAN, 2024 21:18:54

B40\_10M\_QPSK\_50@0\_CH\_38750\_Right



Date: 2, JAN, 2024 21:16:34

B40\_10M\_16QAM\_1@24\_CH\_38750\_Right



Date: 2, JAN, 2024 21:20:19

B40\_10M\_16QAM\_50@0\_CH\_38750\_Right



Date: 2, JAN, 2024 21:17:23

## A.14 LTE BAND 40B

### Peak to Average Ratio

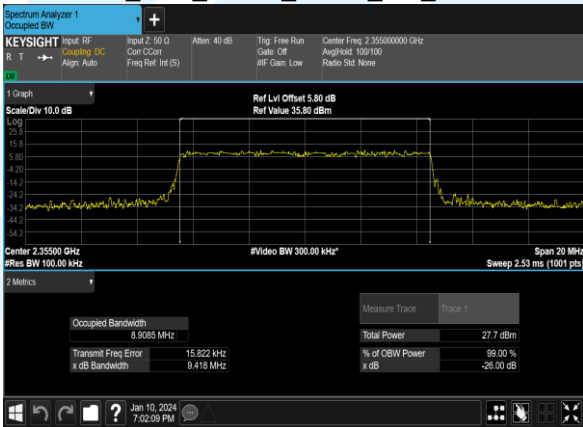
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
40	10.0	39200	2355.0	QPSK	50@0	6.21	13	PASS
40	10.0	39200	2355.0	16QAM	50@0	6.97	13	PASS
40	5.0	39175	2352.5	QPSK	25@0	6.19	13	PASS
40	5.0	39175	2352.5	16QAM	25@0	6.63	13	PASS
40	5.0	39200	2355.0	QPSK	25@0	6.15	13	PASS
40	5.0	39200	2355.0	16QAM	25@0	6.85	13	PASS
40	5.0	39225	2357.5	QPSK	25@0	6.27	13	PASS
40	5.0	39225	2357.5	16QAM	25@0	6.87	13	PASS

### Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
40	10.0	39200	2355.0	QPSK	50@0	8.9085	9.418
40	10.0	39200	2355.0	16QAM	50@0	8.9455	9.356
40	5.0	39175	2352.5	QPSK	25@0	4.4527	4.794
40	5.0	39175	2352.5	16QAM	25@0	4.4650	4.815
40	5.0	39200	2355.0	QPSK	25@0	4.4708	4.745
40	5.0	39200	2355.0	16QAM	25@0	4.4592	4.738
40	5.0	39225	2357.5	QPSK	25@0	4.4573	4.732
40	5.0	39225	2357.5	16QAM	25@0	4.4630	4.778

### Test Graphs

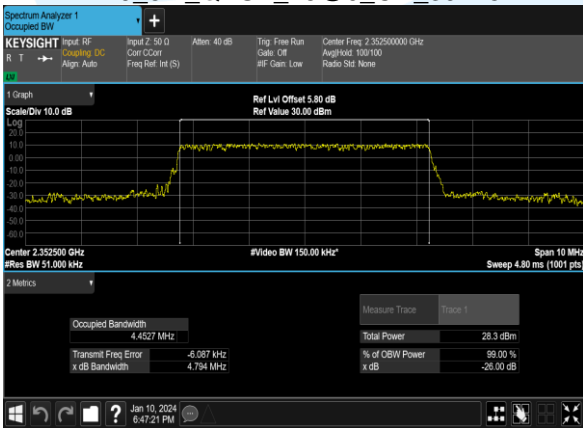
B40\_10M\_QPSK\_50@0\_CH\_39200



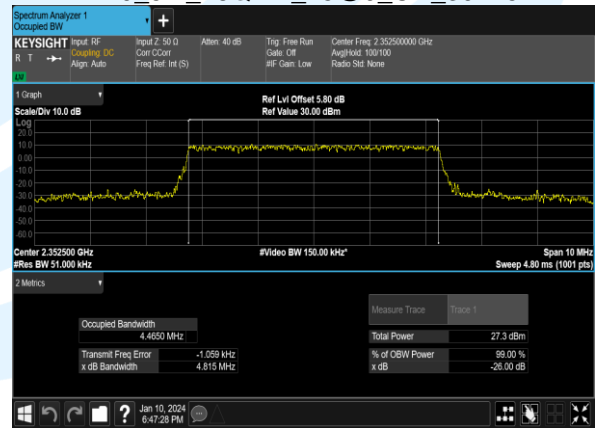
B40\_10M\_16QAM\_50@0\_CH\_39200



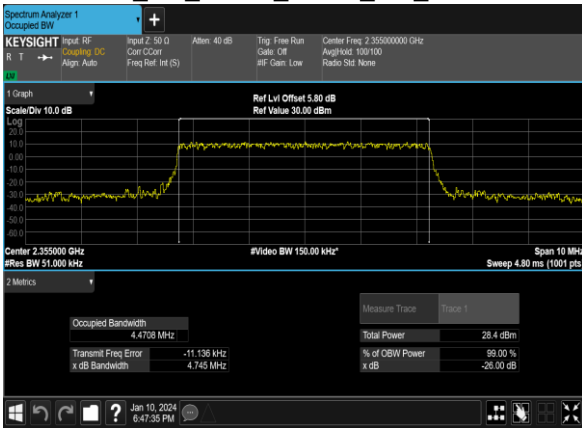
B40\_5M\_QPSK\_25@0\_CH\_39175



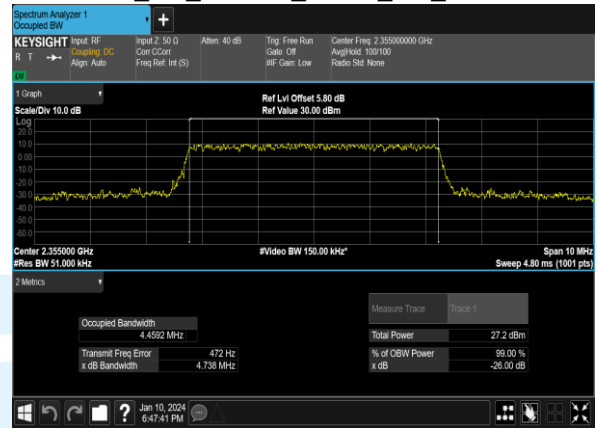
B40\_5M\_16QAM\_25@0\_CH\_39175



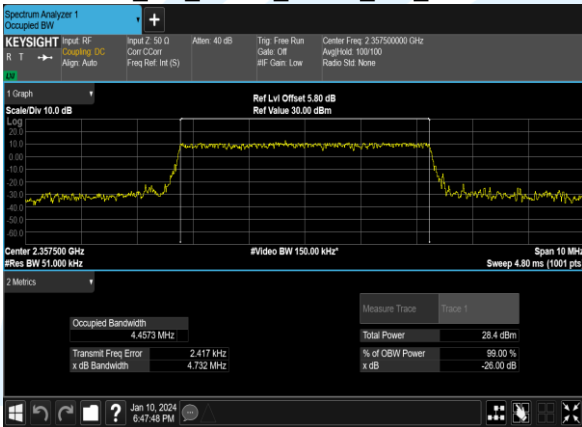
B40\_5M\_QPSK\_25@0\_CH\_39200



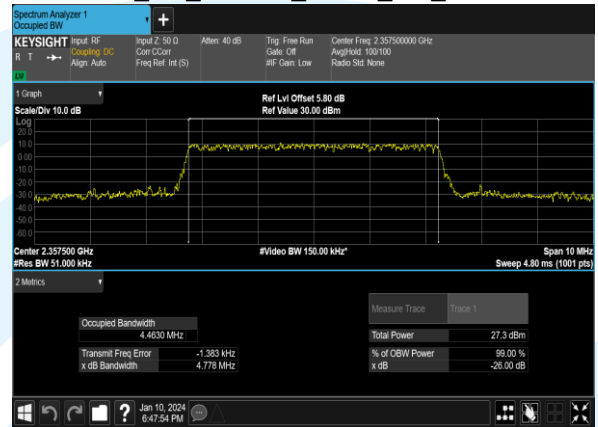
B40\_5M\_16QAM\_25@0\_CH\_39200



B40\_5M\_QPSK\_25@0\_CH\_39225



B40\_5M\_16QAM\_25@0\_CH\_39225

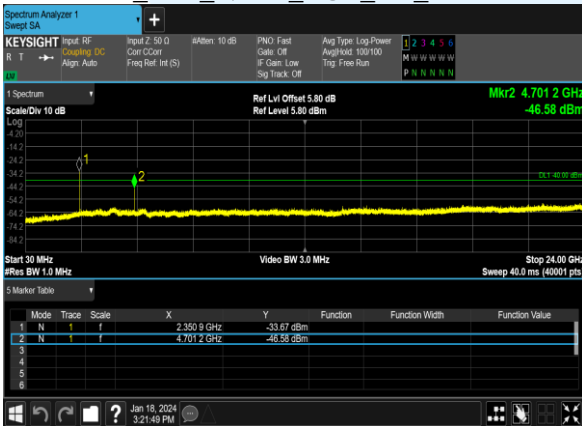


### Conducted Spurious Emissions

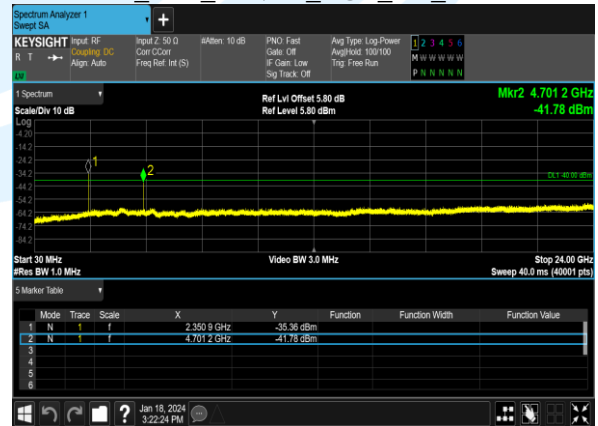
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
40	10.0	39200	2355.0	QPSK	1@0	-46.58	-40	PASS
40	10.0	39200	2355.0	16QAM	1@0	-41.78	-40	PASS
40	5.0	39175	2352.5	QPSK	1@0	-42.77	-40	PASS
40	5.0	39175	2352.5	16QAM	1@0	-41.82	-40	PASS
40	5.0	39200	2355.0	QPSK	1@0	-43.6	-40	PASS
40	5.0	39200	2355.0	16QAM	1@0	-46.51	-40	PASS
40	5.0	39225	2357.5	QPSK	1@0	-45.52	-40	PASS
40	5.0	39225	2357.5	16QAM	1@0	-46.06	-40	PASS

### Test Graphs

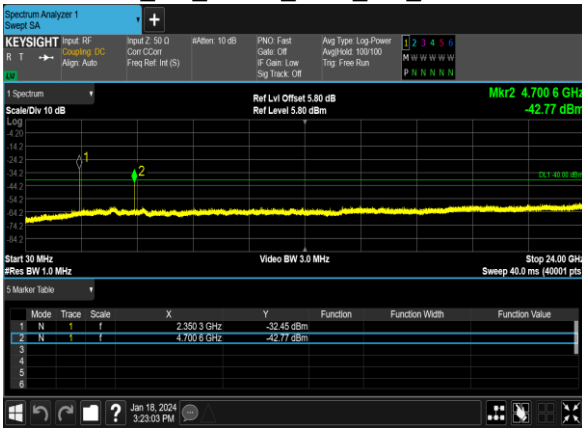
B40\_10M\_QPSK\_1@0\_CH\_39200



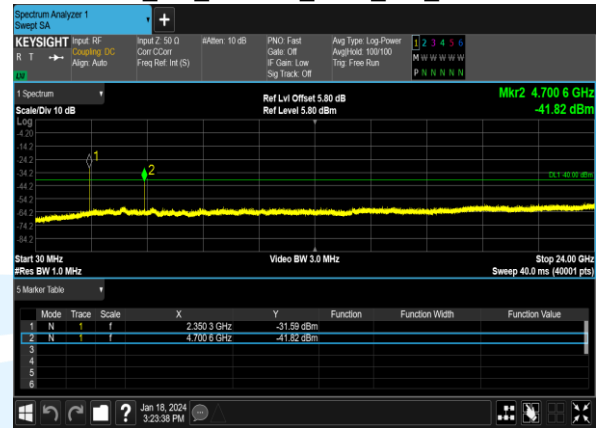
B40\_10M\_16QAM\_1@0\_CH\_39200



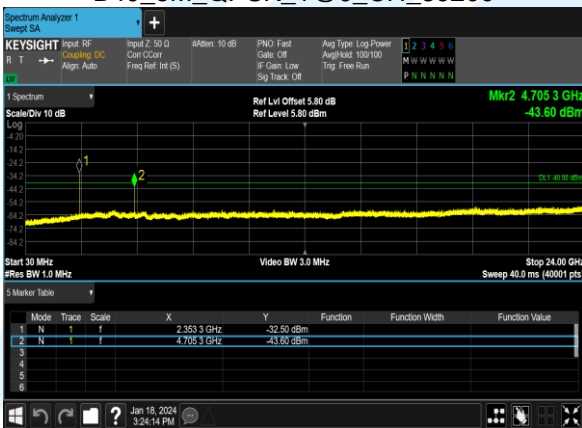
B40\_5M\_QPSK\_1@0\_CH\_39175



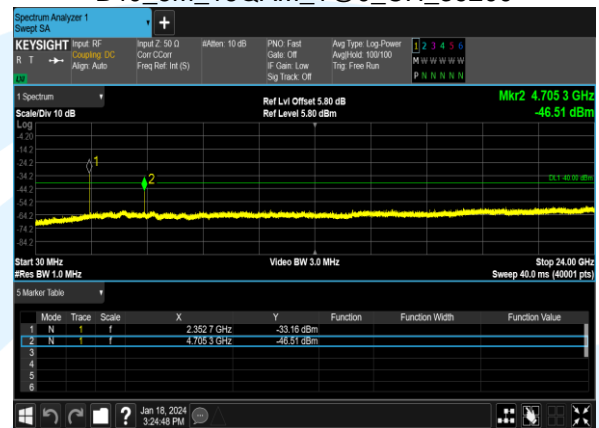
B40\_5M\_16QAM\_1@0\_CH\_39175



B40\_5M\_QPSK\_1@0\_CH\_39200



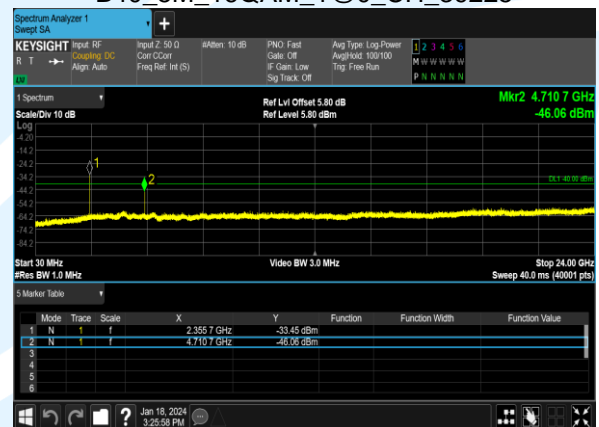
B40\_5M\_16QAM\_1@0\_CH\_39200



B40\_5M\_QPSK\_1@0\_CH\_39225



B40\_5M\_16QAM\_1@0\_CH\_39225

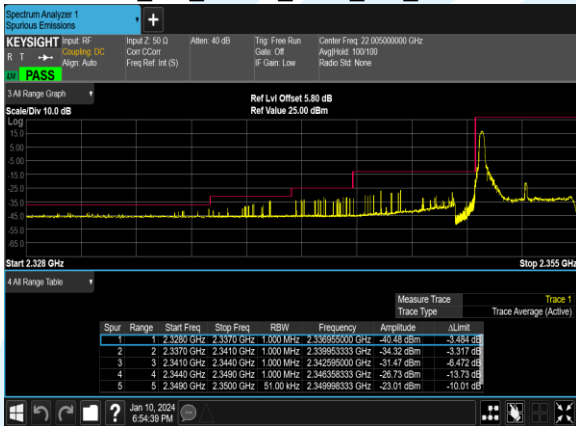


## Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
40	10	39200	2355.0	QPSK	1@0	see graph	PASS
40	10	39200	2355.0	QPSK	50@0	see graph	PASS
40	10	39200	2355.0	16QAM	1@0	see graph	PASS
40	10	39200	2355.0	16QAM	50@0	see graph	PASS
40	5.0	39175	2352.5	QPSK	1@0	see graph	PASS
40	5.0	39175	2352.5	QPSK	25@0	see graph	PASS
40	5.0	39175	2352.5	16QAM	1@0	see graph	PASS
40	5.0	39175	2352.5	16QAM	25@0	see graph	PASS
40	5.0	39225	2357.5	QPSK	1@24	see graph	PASS
40	5.0	39225	2357.5	QPSK	25@0	see graph	PASS
40	5.0	39225	2357.5	16QAM	1@24	see graph	PASS
40	5.0	39225	2357.5	16QAM	25@0	see graph	PASS

## Test Graphs

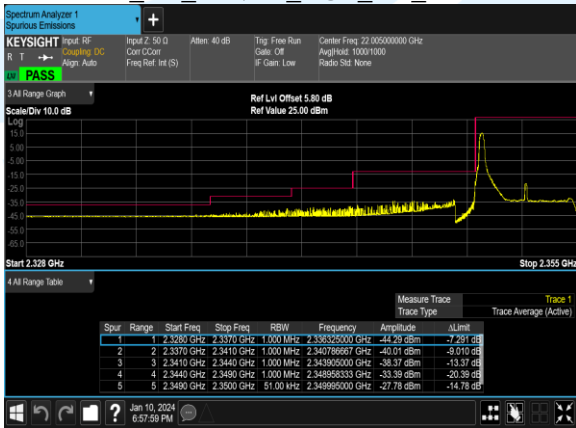
B40\_5M\_QPSK\_1@0\_CH\_39175



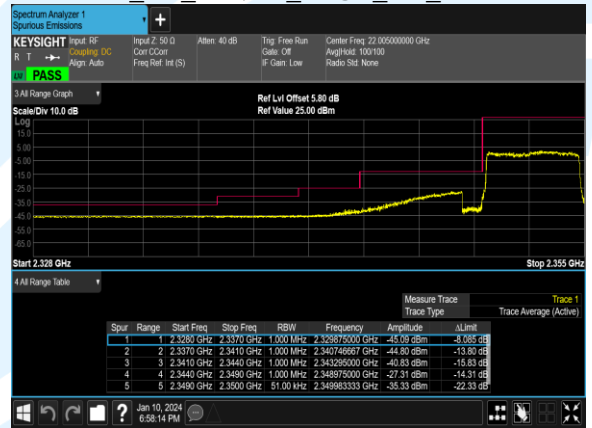
B40\_5M\_QPSK\_25@0\_CH\_39175



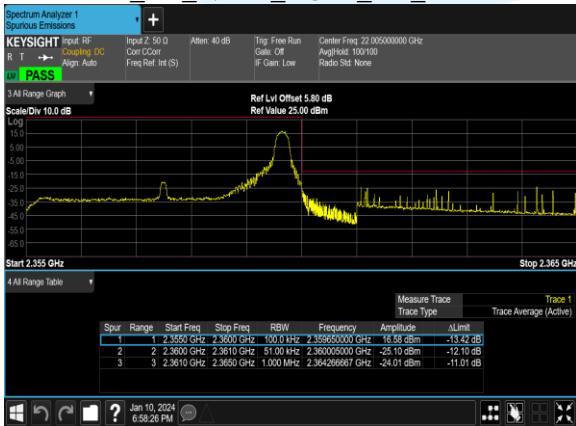
B40\_5M\_16QAM\_1@0\_CH\_39175



B40\_5M\_16QAM\_25@0\_CH\_39175



B40\_5M\_QPSK\_1@24\_CH\_39225



B40\_5M\_QPSK\_25@0\_CH\_39225

