

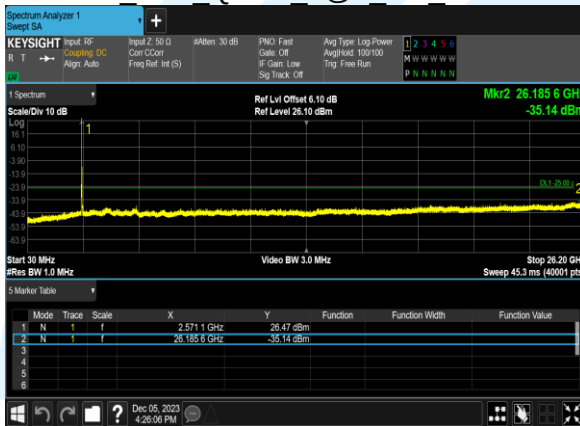
B38 20M QPSK 1@0 CH 38150



B38 20M 16QAM 1@0 CH 38150



B38 15M QPSK 1@0 CH 37825



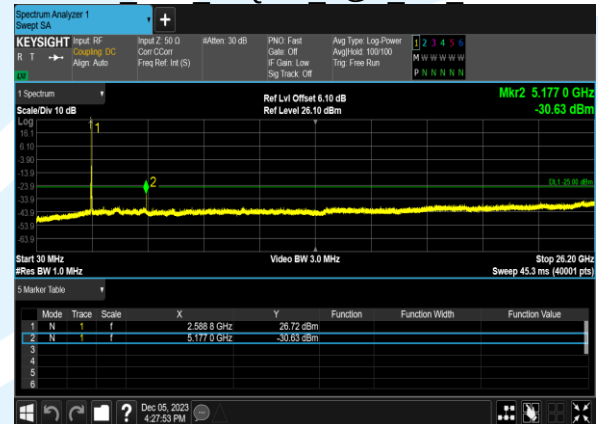
B38 15M 16QAM 1@0 CH 37825



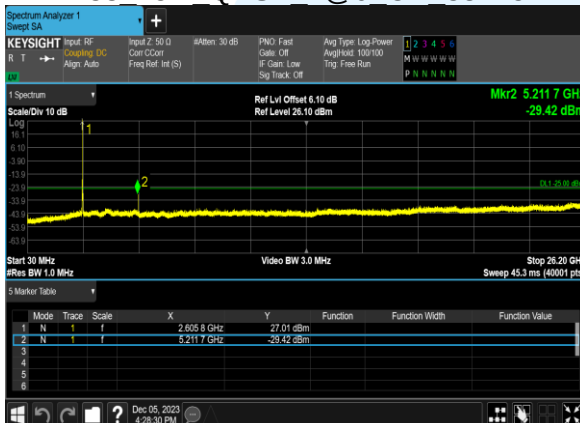
B38 15M QPSK 1@0 CH 38000



B38 15M 16QAM 1@0 CH 38000



B38 15M QPSK 1@0 CH 38175



B38 15M 16QAM 1@0 CH 38175



B38 10M QPSK 1@0 CH 37800



B38 10M 16QAM 1@0 CH 37800



B38 10M QPSK 1@0 CH 38000



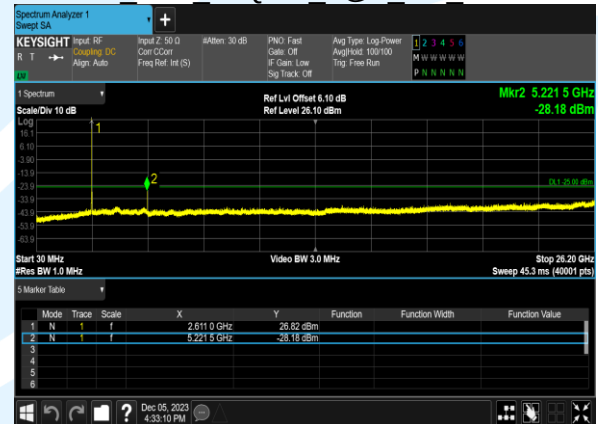
B38 10M 16QAM 1@0 CH 38000



B38 10M QPSK 1@0 CH 38200



B38 10M 16QAM 1@0 CH 38200



B38 5M QPSK 1@0 CH 37775



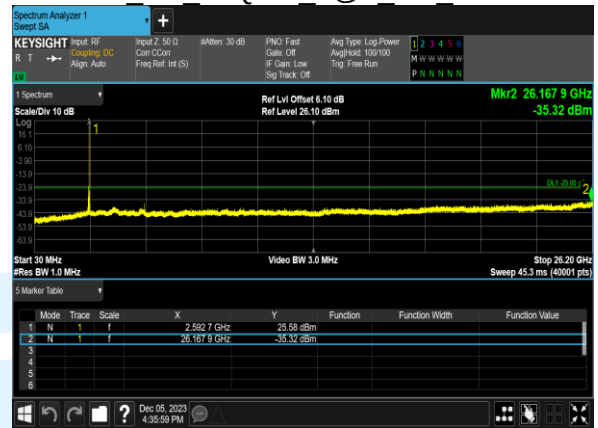
B38 5M 16QAM 1@0 CH 37775



B38 5M QPSK 1@0 CH 38000



B38 5M 16QAM 1@0 CH 38000



B38 5M QPSK 1@0 CH 38225



B38 5M 16QAM 1@0 CH 38225

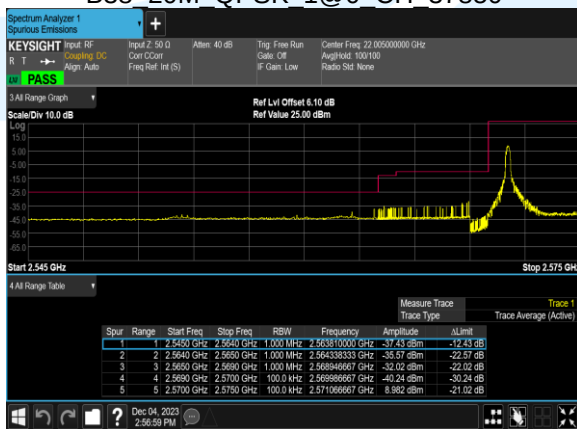


Conducted Band Edge

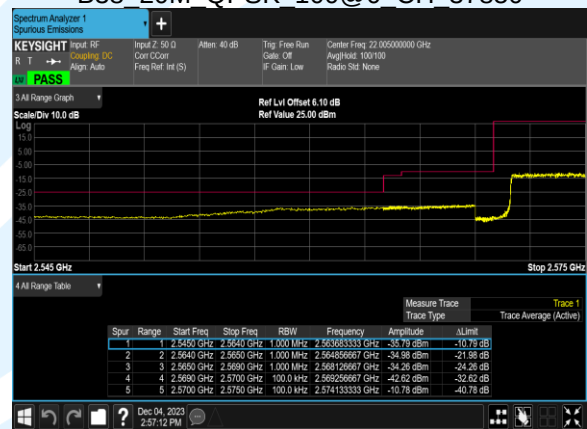
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
38	20.0	37850	2580.0	QPSK	1@0	see graph	PASS
38	20.0	37850	2580.0	QPSK	100@0	see graph	PASS
38	20.0	37850	2580.0	16QAM	1@0	see graph	PASS
38	20.0	37850	2580.0	16QAM	100@0	see graph	PASS
38	20.0	38150	2610.0	QPSK	1@99	see graph	PASS
38	20.0	38150	2610.0	QPSK	100@0	see graph	PASS
38	20.0	38150	2610.0	16QAM	1@99	see graph	PASS
38	20.0	38150	2610.0	16QAM	100@0	see graph	PASS
38	15.0	37825	2577.5	QPSK	1@0	see graph	PASS
38	15.0	37825	2577.5	QPSK	75@0	see graph	PASS
38	15.0	37825	2577.5	16QAM	1@0	see graph	PASS
38	15.0	37825	2577.5	16QAM	75@0	see graph	PASS
38	15.0	38175	2612.5	QPSK	1@74	see graph	PASS
38	15.0	38175	2612.5	QPSK	75@0	see graph	PASS
38	15.0	38175	2612.5	16QAM	1@74	see graph	PASS
38	15.0	38175	2612.5	16QAM	75@0	see graph	PASS
38	10.0	37800	2575.0	QPSK	1@0	see graph	PASS
38	10.0	37800	2575.0	QPSK	50@0	see graph	PASS
38	10.0	37800	2575.0	16QAM	1@0	see graph	PASS
38	10.0	37800	2575.0	16QAM	50@0	see graph	PASS
38	10.0	38200	2615.0	QPSK	1@49	see graph	PASS
38	10.0	38200	2615.0	QPSK	50@0	see graph	PASS
38	10.0	38200	2615.0	16QAM	1@49	see graph	PASS
38	10.0	38200	2615.0	16QAM	50@0	see graph	PASS
38	5.0	37775	2572.5	QPSK	1@0	see graph	PASS
38	5.0	37775	2572.5	QPSK	25@0	see graph	PASS
38	5.0	37775	2572.5	16QAM	1@0	see graph	PASS
38	5.0	37775	2572.5	16QAM	25@0	see graph	PASS
38	5.0	38225	2617.5	QPSK	1@24	see graph	PASS
38	5.0	38225	2617.5	QPSK	25@0	see graph	PASS
38	5.0	38225	2617.5	16QAM	1@24	see graph	PASS
38	5.0	38225	2617.5	16QAM	25@0	see graph	PASS

Test Graphs

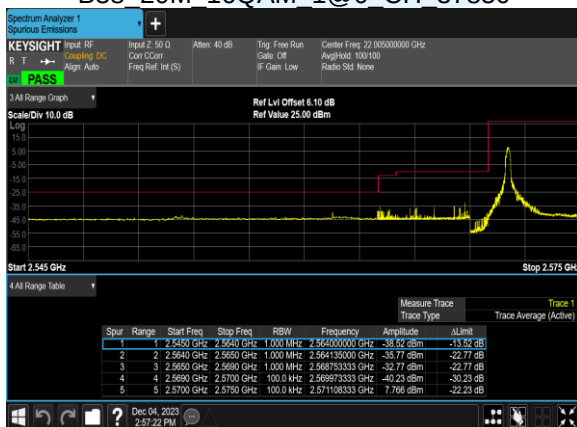
B38 20M QPSK 1@0 CH 37850



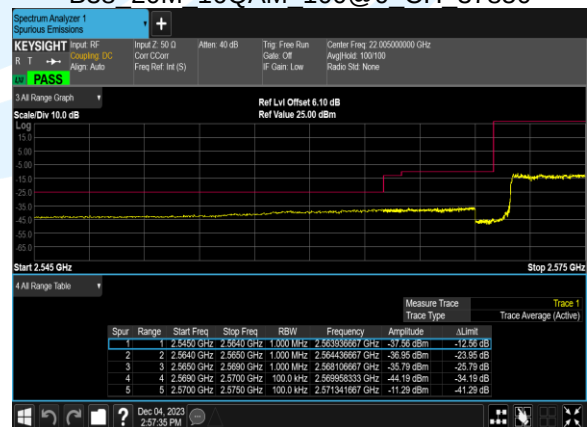
B38 20M QPSK 100@0 CH 37850



B38 20M 16QAM 1@0 CH 37850



B38 20M 16QAM 100@0 CH 37850



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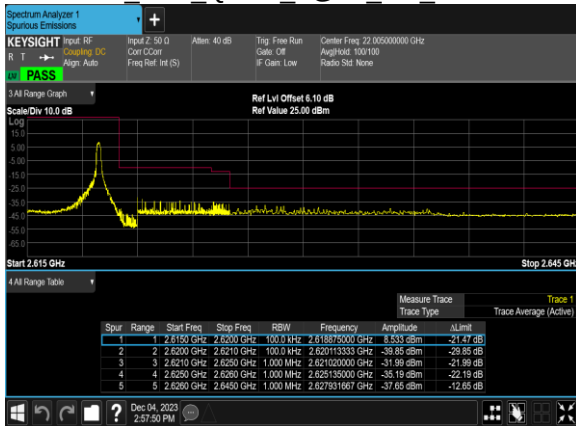
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E-mail: info@uttlab.com

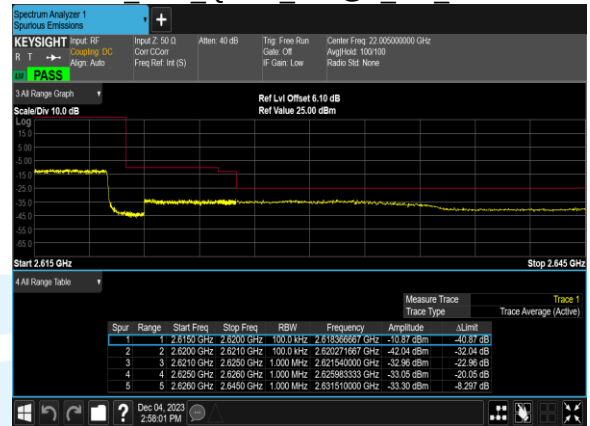
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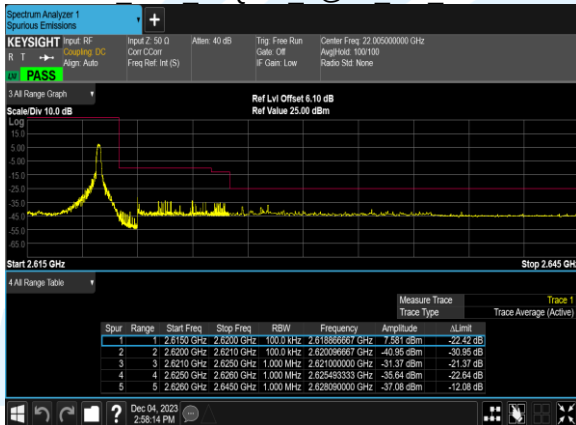
B38 20M QPSK 1@99 CH 38150



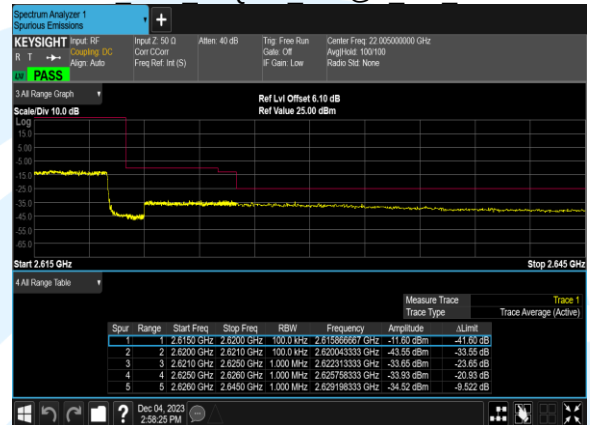
B38 20M QPSK 100@0 CH 38150



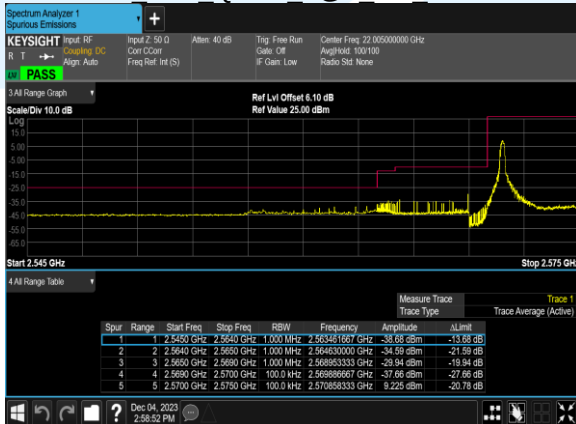
B38 20M 16QAM 1@99 CH 38150



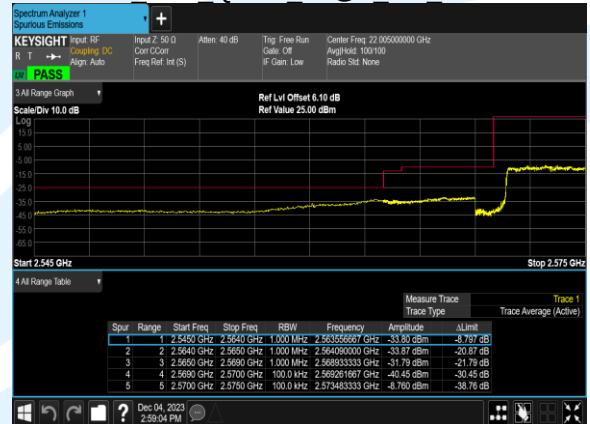
B38 20M 16QAM 100@0 CH 38150



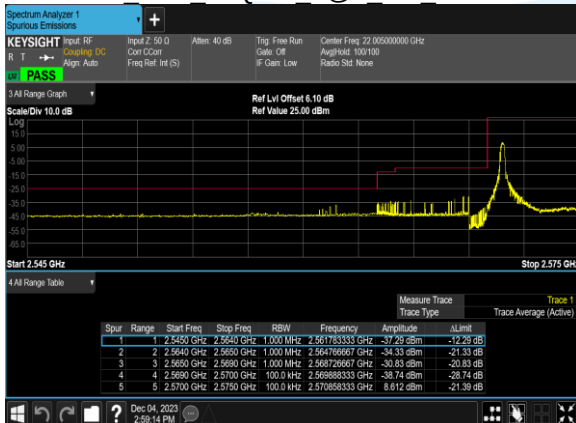
B38 15M QPSK 1@0 CH 37825



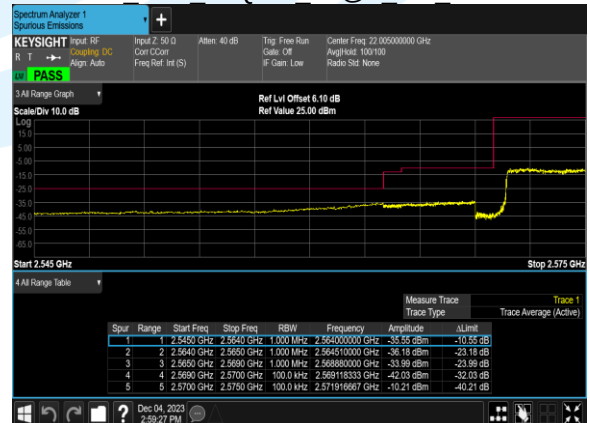
B38 15M QPSK 75@0 CH 37825



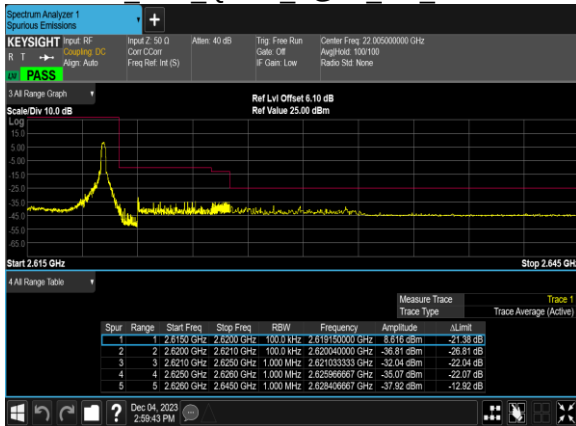
B38 15M 16QAM 1@0 CH 37825



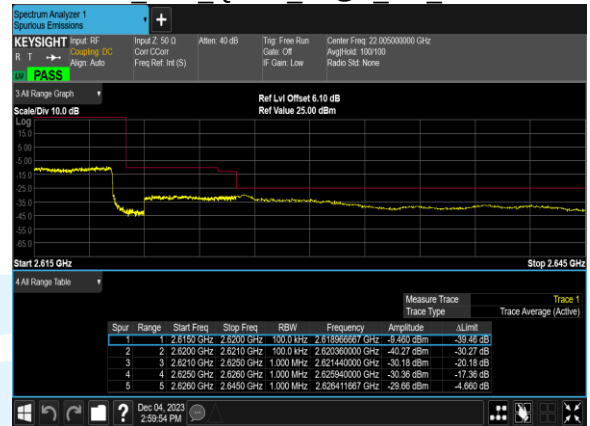
B38 15M 16QAM 75@0 CH 37825



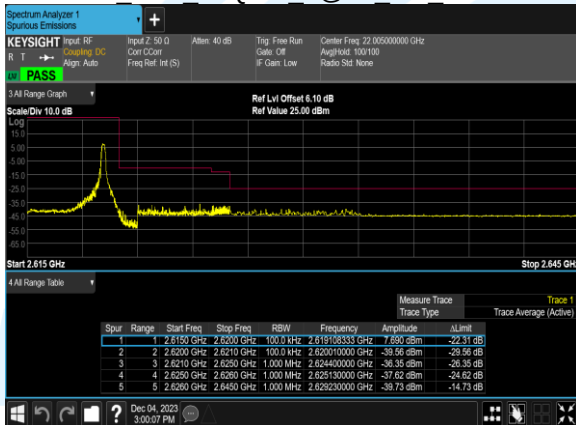
B38 15M QPSK 1@74 CH 38175



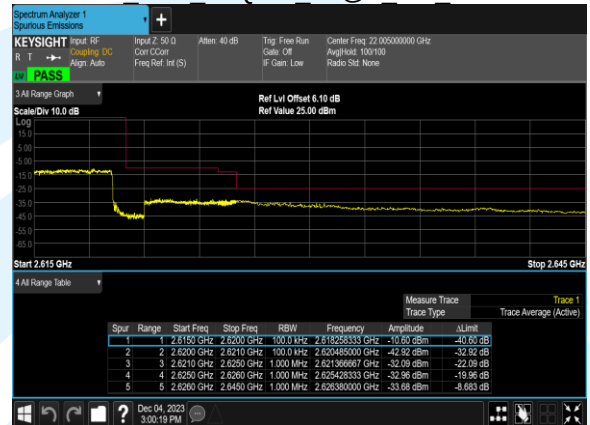
B38 15M QPSK 75@0 CH 38175



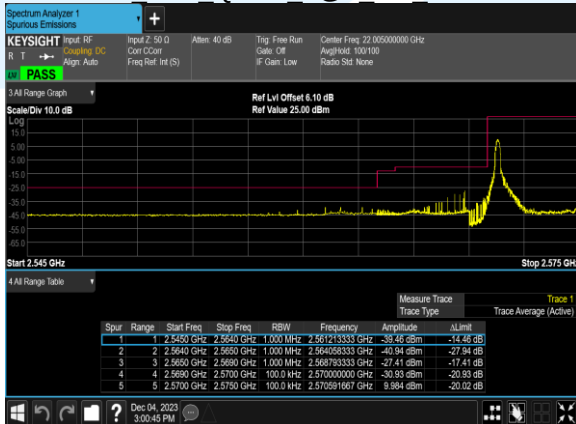
B38 15M 16QAM 1@74 CH 38175



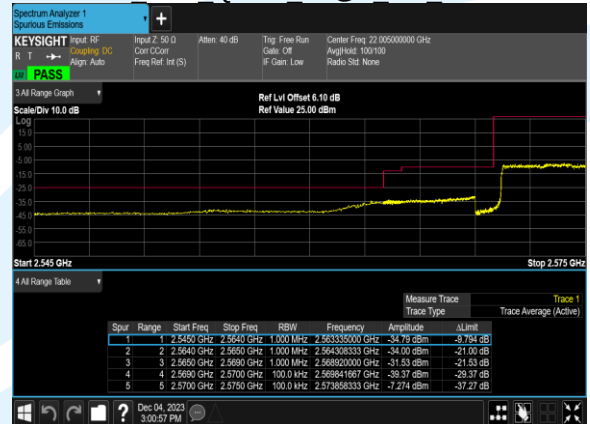
B38 15M 16QAM 75@0 CH 38175



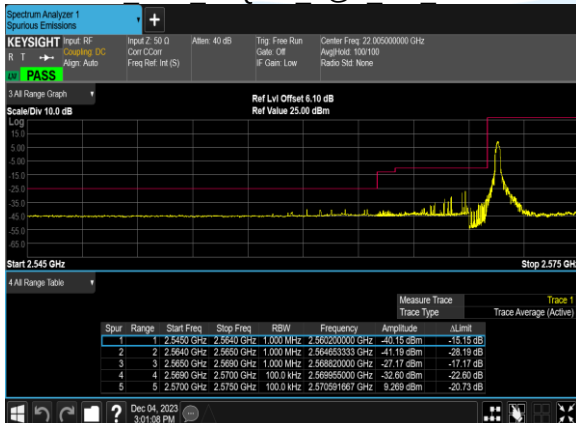
B38 10M QPSK 1@0 CH 37800



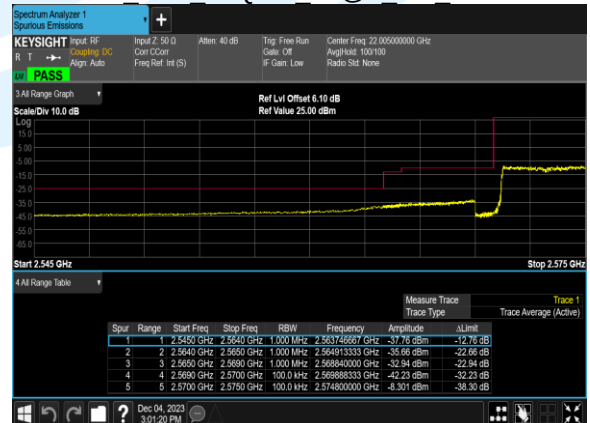
B38 10M QPSK 50@0 CH 37800



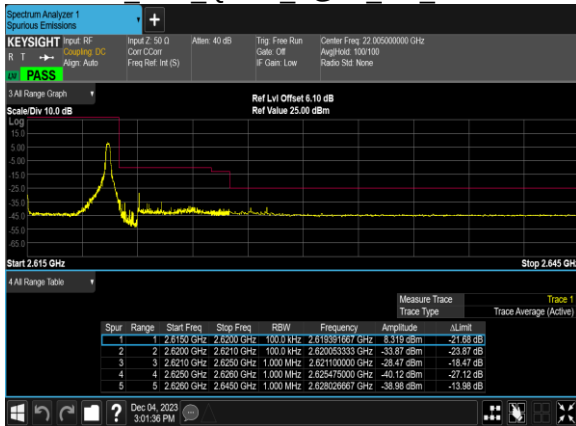
B38 10M 16QAM 1@0 CH 37800



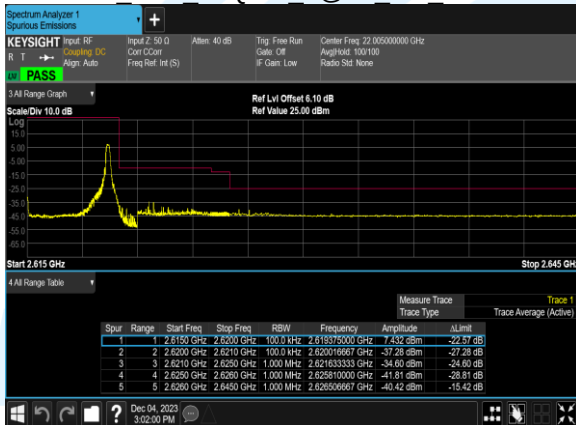
B38 10M 16QAM 50@0 CH 37800



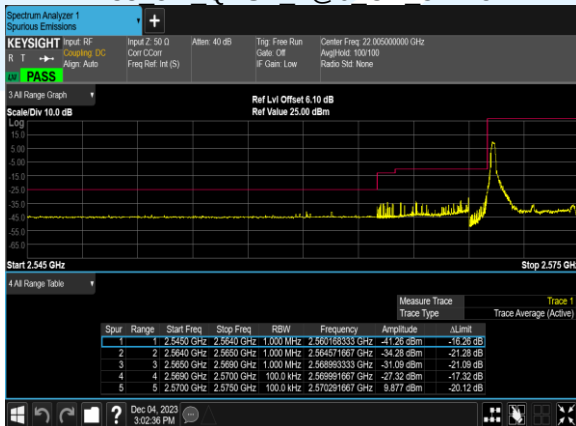
B38 10M QPSK 1@49 CH 38200



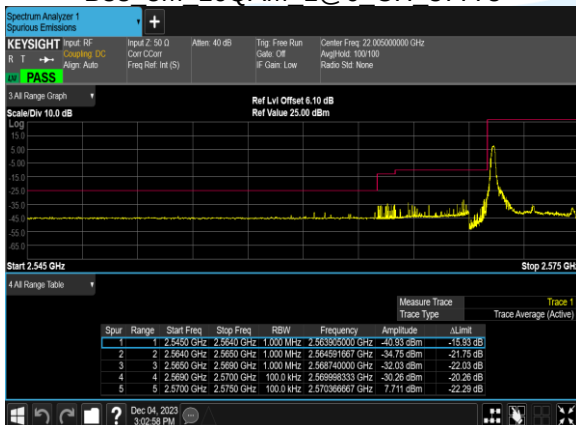
B38 10M 16QAM 1@49 CH 38200



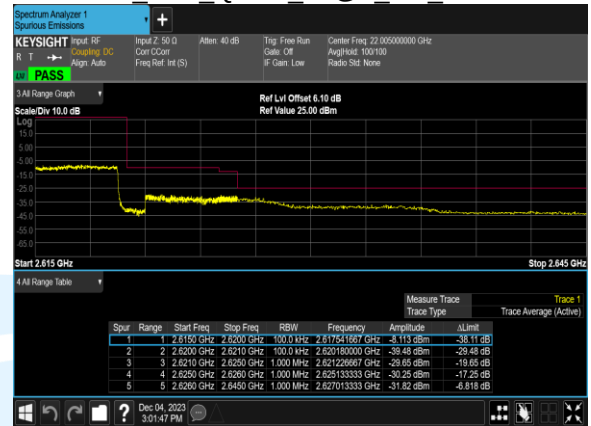
B38 5M QPSK 1@0 CH 37775



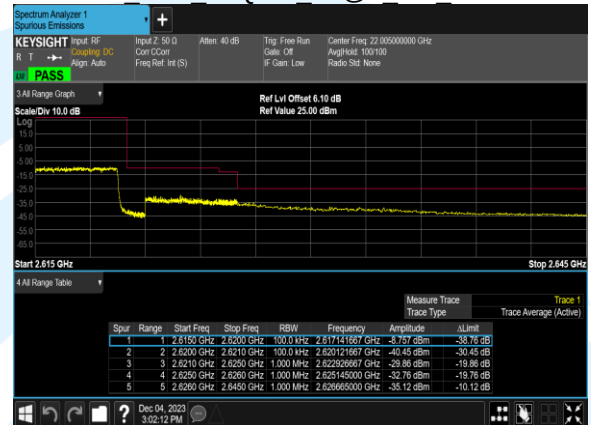
B38 5M 16QAM 1@0 CH 37775



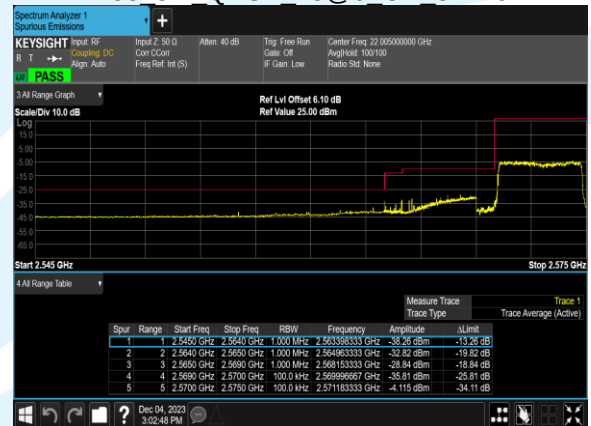
B38 10M QPSK 50@0 CH 38200



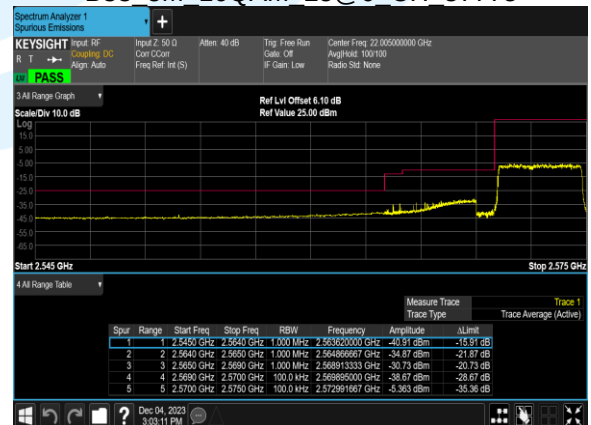
B38 10M 16QAM 50@0 CH 38200



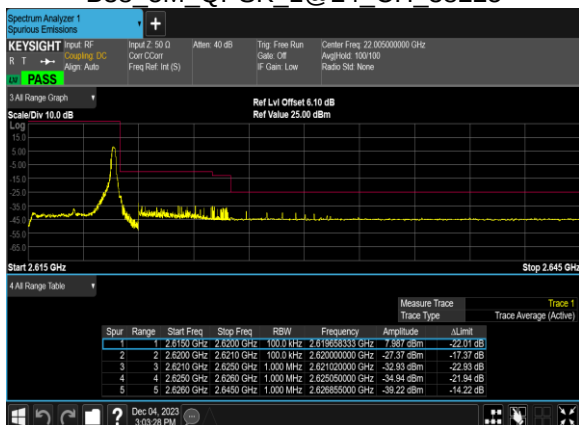
B38 5M QPSK 25@0 CH 37775



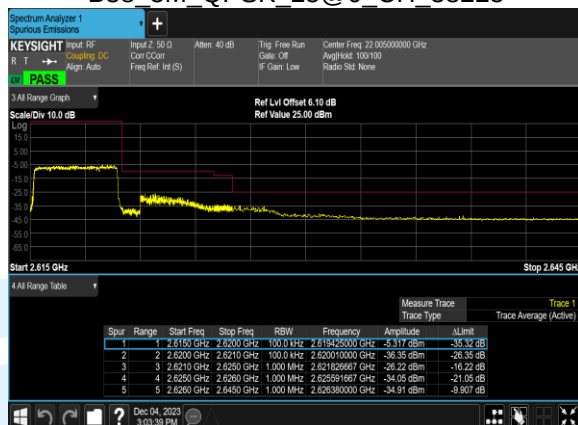
B38 5M 16QAM 25@0 CH 37775



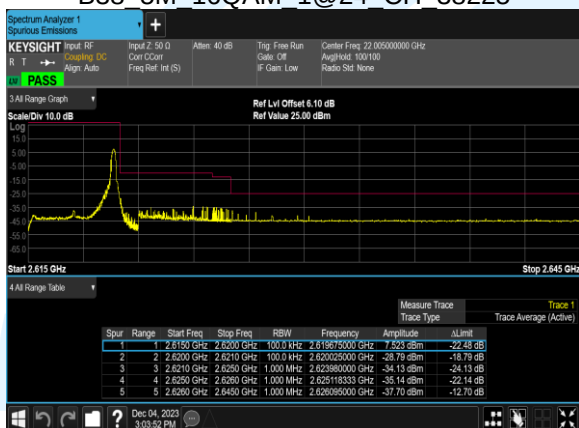
B38 5M QPSK 1@24 CH 38225



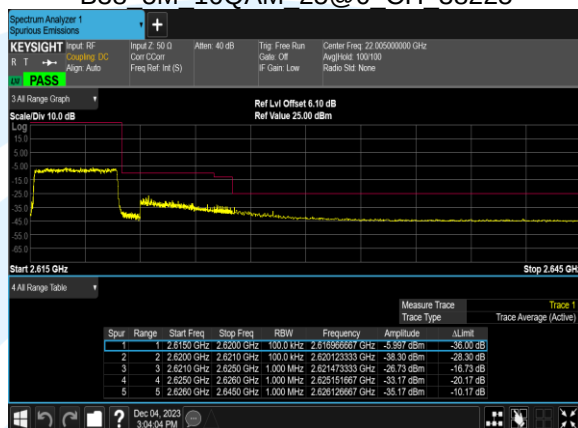
B38 5M QPSK 25@0 CH 38225



B38 5M 16QAM 1@24 CH 38225



B38 5M 16QAM 25@0 CH 38225



A.13 LTE BAND 40A

Peak to Average Ratio

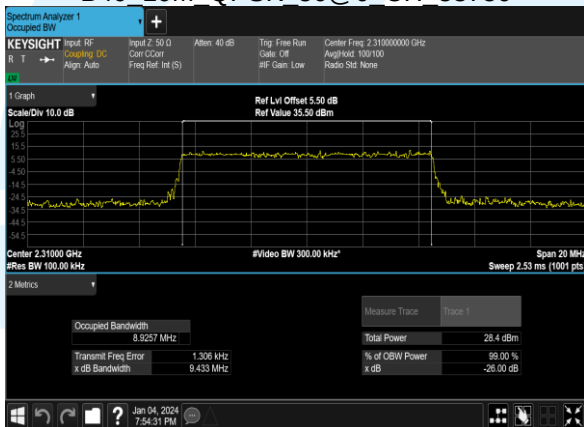
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
40	10.0	38750	2310.0	QPSK	50@0	6.16	13	PASS
40	10.0	38750	2310.0	16QAM	50@0	7.03	13	PASS
40	5.0	38725	2307.5	QPSK	25@0	5.84	13	PASS
40	5.0	38725	2307.5	16QAM	25@0	6.43	13	PASS
40	5.0	38750	2310.0	QPSK	25@0	5.75	13	PASS
40	5.0	38750	2310.0	16QAM	25@0	6.46	13	PASS
40	5.0	38775	2312.5	QPSK	25@0	5.77	13	PASS
40	5.0	38775	2312.5	16QAM	25@0	6.40	13	PASS

Occupied Bandwidth

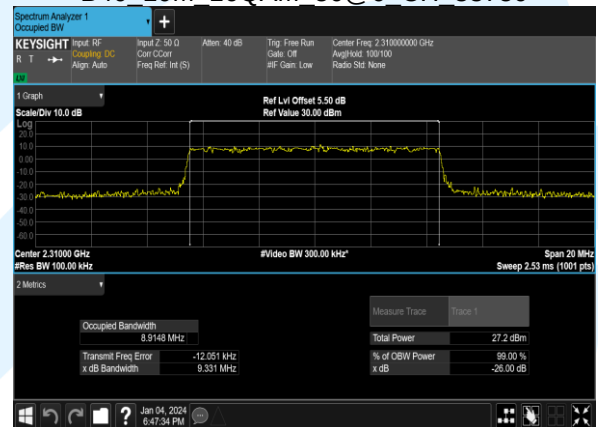
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
40	10.0	38750	2310.0	QPSK	50@0	8.9257	9.433
40	10.0	38750	2310.0	16QAM	50@0	8.9148	9.331
40	5.0	38725	2307.5	QPSK	25@0	4.4507	4.806
40	5.0	38725	2307.5	16QAM	25@0	4.4523	4.764
40	5.0	38750	2310.0	QPSK	25@0	4.4702	4.727
40	5.0	38750	2310.0	16QAM	25@0	4.4503	4.767
40	5.0	38775	2312.5	QPSK	25@0	4.4486	4.780
40	5.0	38775	2312.5	16QAM	25@0	4.4585	4.760

Test Graphs

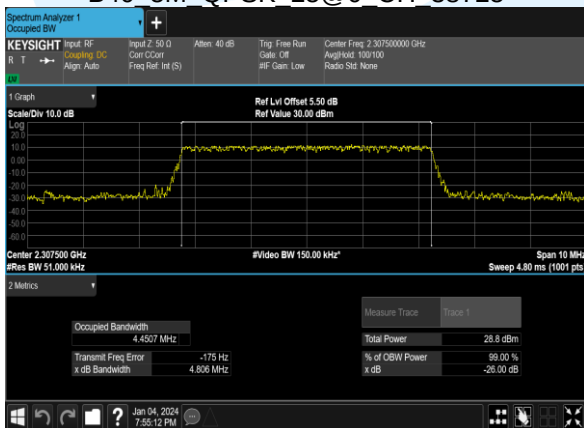
B40 10M QPSK 50@0 CH 38750



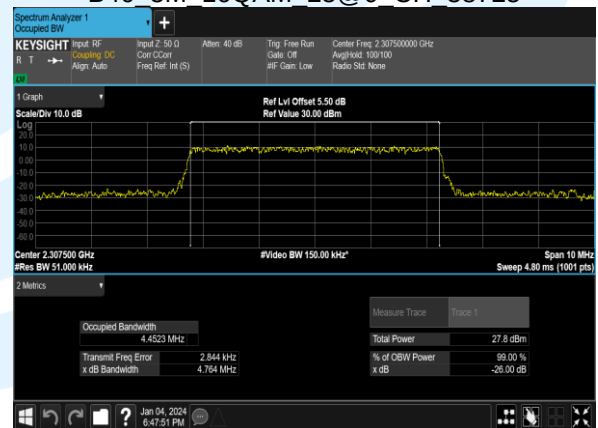
B40 10M 16QAM 50@0 CH 38750



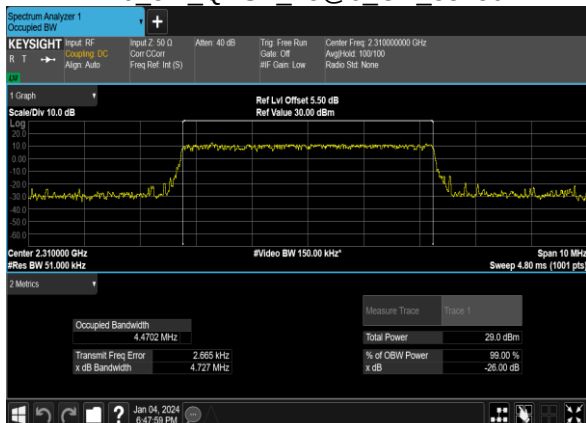
B40 5M QPSK 25@0 CH 38725



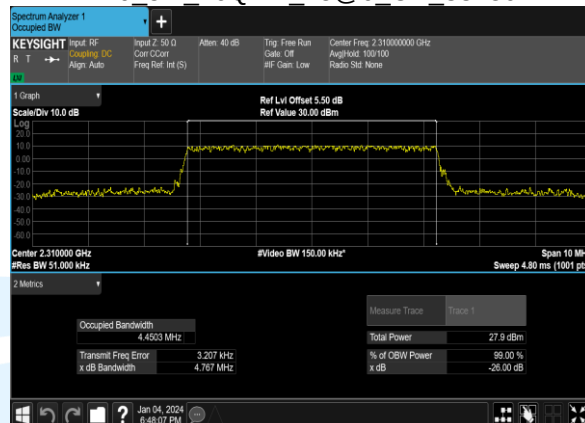
B40 5M 16QAM 25@0 CH 38725



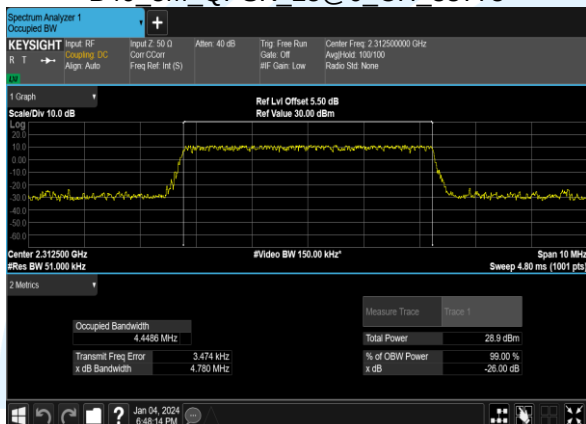
B40 5M QPSK 25@0 CH 38750



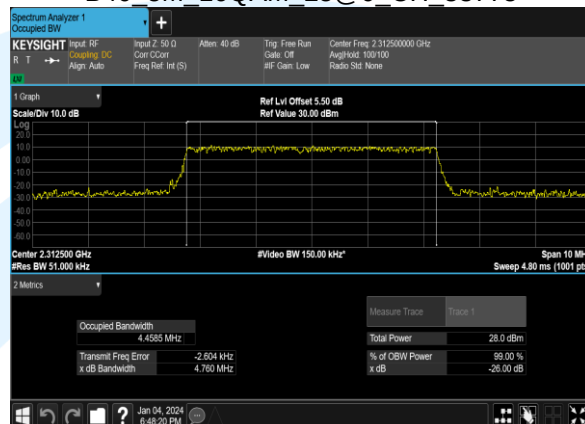
B40 5M 16QAM 25@0 CH 38750



B40 5M QPSK 25@0 CH 38775



B40 5M 16QAM 25@0 CH 38775



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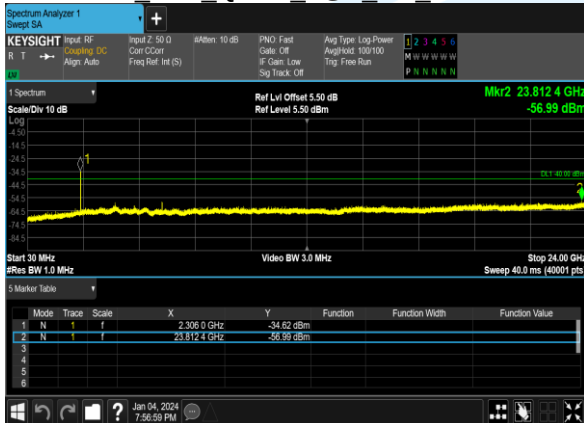
UTTR-RF-FCC4G-V1.1

Conducted Spurious Emissions

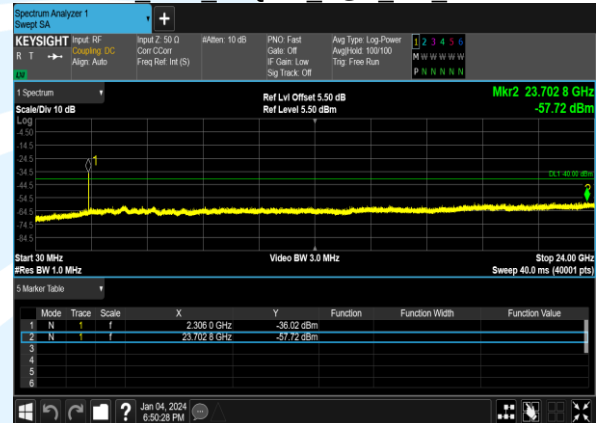
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
40	10.0	38750	2310.0	QPSK	1@0	-56.99	-40	PASS
40	10.0	38750	2310.0	16QAM	1@0	-57.72	-40	PASS
40	5.0	38725	2307.5	QPSK	1@0	-58.16	-40	PASS
40	5.0	38725	2307.5	16QAM	1@0	-57.16	-40	PASS
40	5.0	38750	2310.0	QPSK	1@0	-57.51	-40	PASS
40	5.0	38750	2310.0	16QAM	1@0	-57.66	-40	PASS
40	5.0	38775	2312.5	QPSK	1@0	-57.72	-40	PASS
40	5.0	38775	2312.5	16QAM	1@0	-57.66	-40	PASS

Test Graphs

B40 10M QPSK 1@0 CH 38750



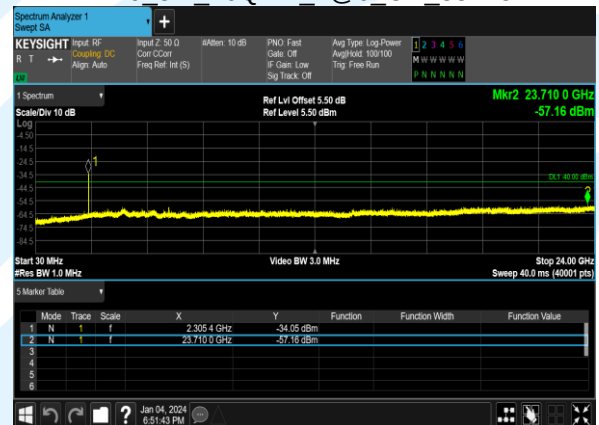
B40 10M 16QAM 1@0 CH 38750



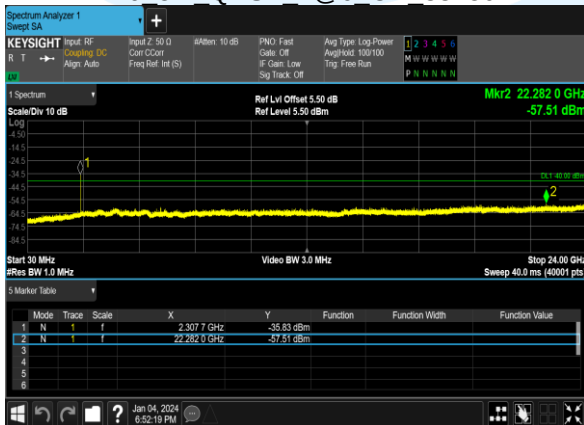
B40 5M QPSK 1@0 CH 38725



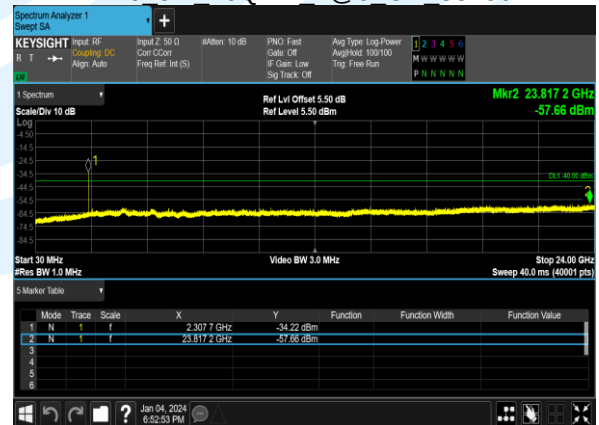
B40 5M 16QAM 1@0 CH 38725



B40 5M QPSK 1@0 CH 38750



B40 5M 16QAM 1@0 CH 38750



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B40 5M QPSK 1@0 CH 38775



B40 5M 16QAM 1@0 CH 38775

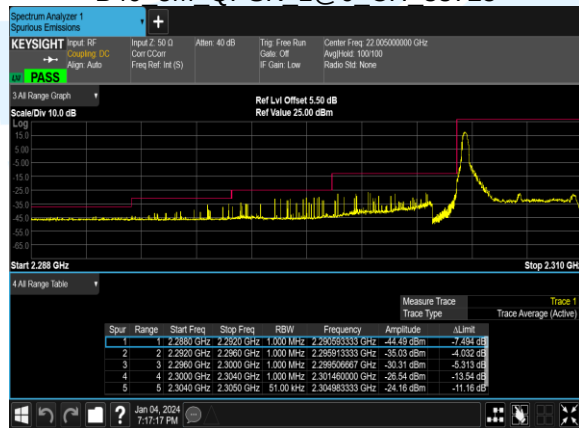


CONDUCTED BAND EDGE

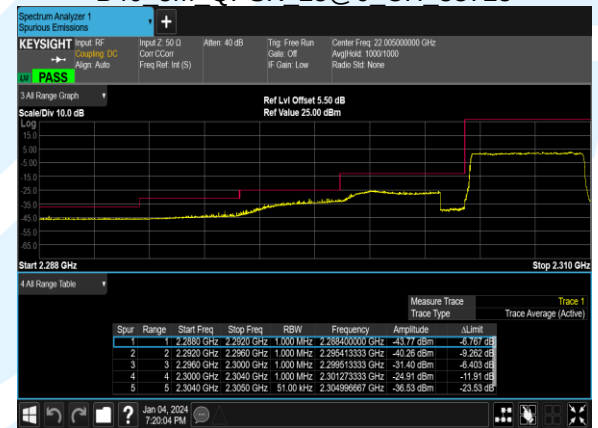
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
40	10	38750	2310	QPSK	1@0	see graph	PASS
40	10	38750	2310	QPSK	50@0	see graph	PASS
40	10	38750	2310	16QAM	1@0	see graph	PASS
40	10	38750	2310	16QAM	50@0	see graph	PASS
40	5.0	38725	2307.5	QPSK	1@0	see graph	PASS
40	5.0	38725	2307.5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

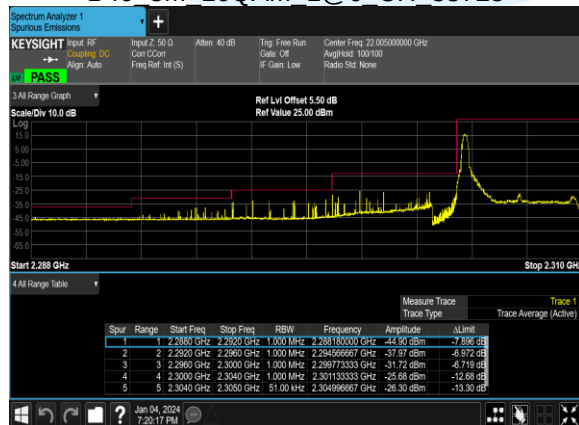
B40 5M QPSK 1@0 CH 38725



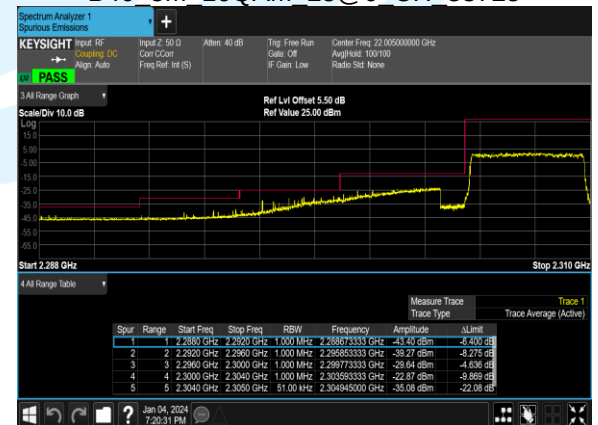
B40 5M QPSK 25@0 CH 38725



B40 5M 16QAM 1@0 CH 38725



B40 5M 16QAM 25@0 CH 38725



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