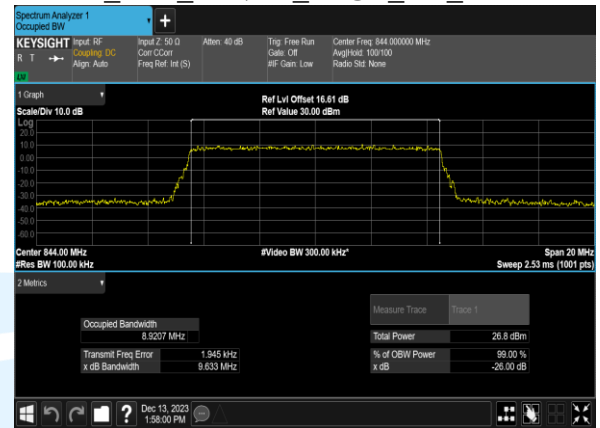


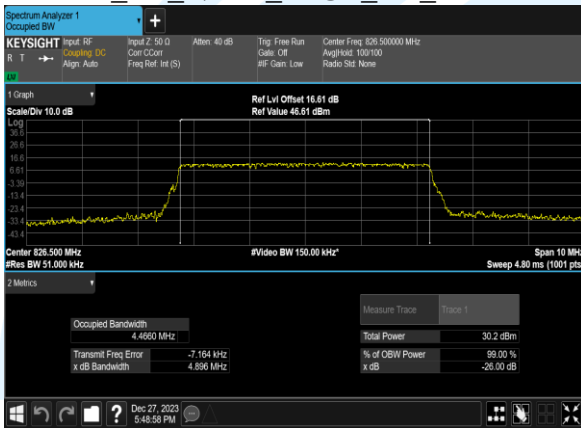
B5_10M_QPSK_50@0_CH_20600



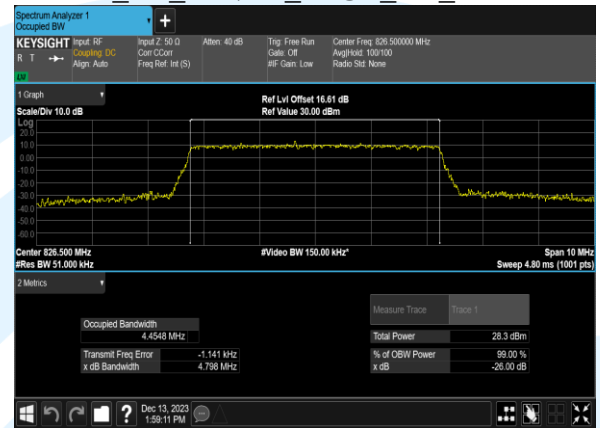
B5_10M_16QAM_50@0_CH_20600



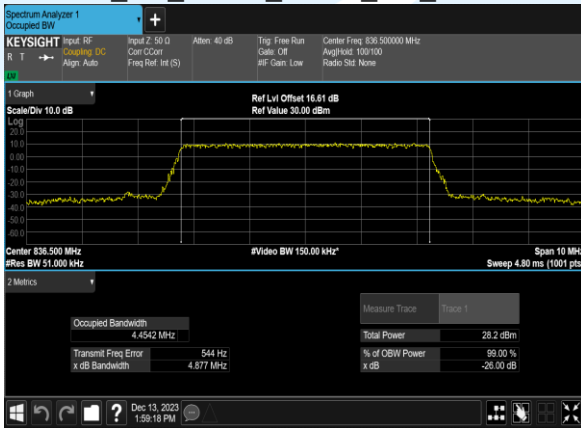
B5_5M_QPSK_25@0_CH_20425



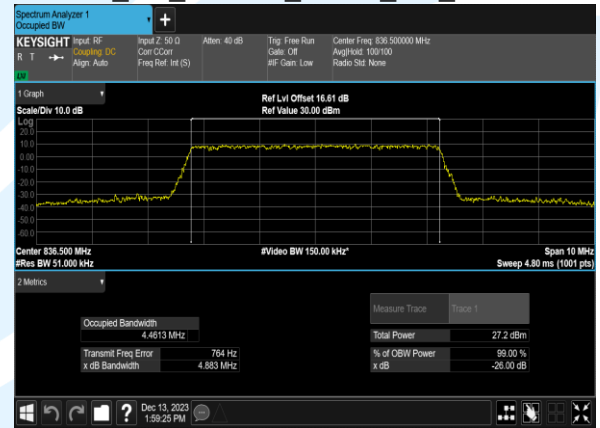
B5_5M_16QAM_25@0_CH_20425



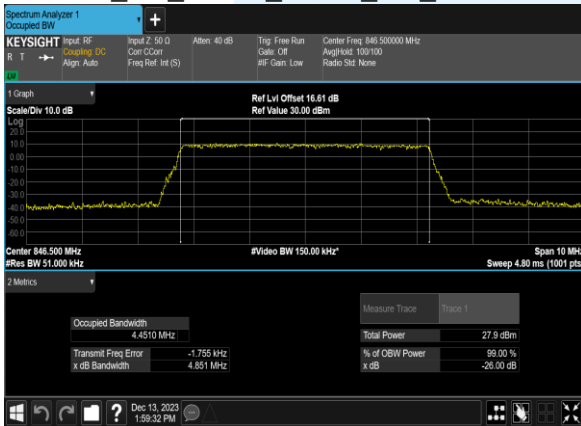
B5_5M_QPSK_25@0_CH_20525



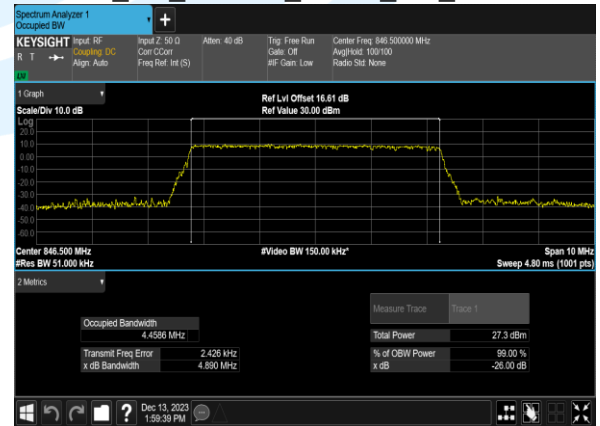
B5_5M_16QAM_25@0_CH_20525



B5_5M_QPSK_25@0_CH_20625



B5_5M_16QAM_25@0_CH_20625



B5_3M_QPSK_15@0_CH_20415



B5_3M_16QAM_15@0_CH_20415



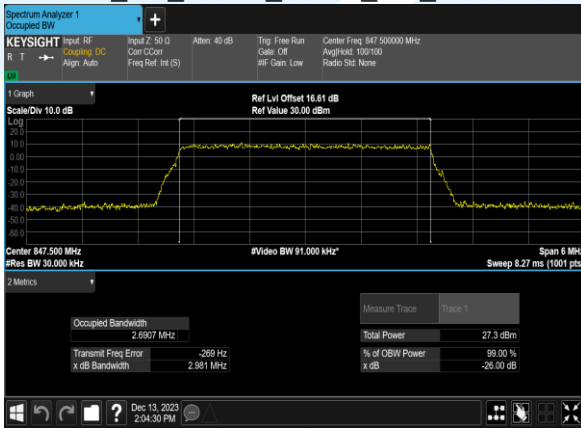
B5_3M_QPSK_15@0_CH_20525



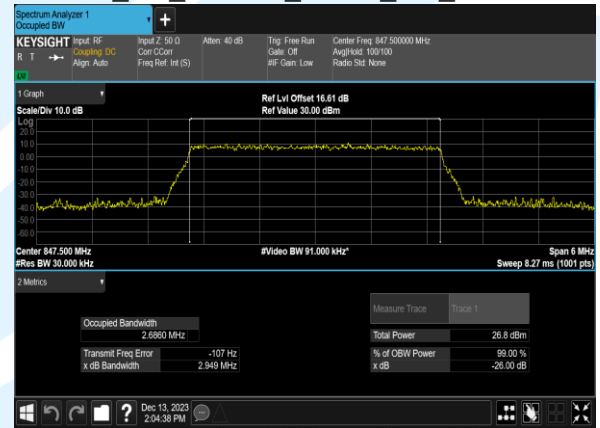
B5_3M_16QAM_15@0_CH_20525



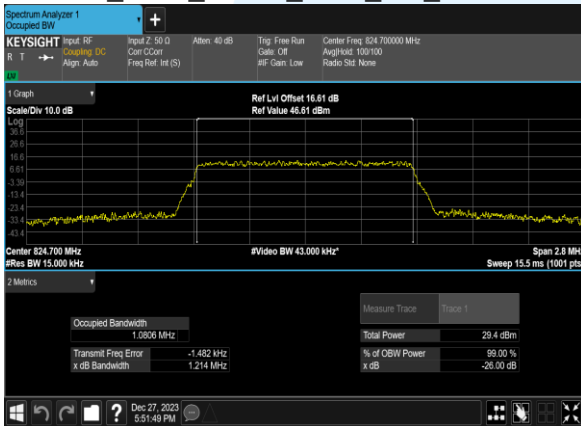
B5_3M_QPSK_15@0_CH_20635



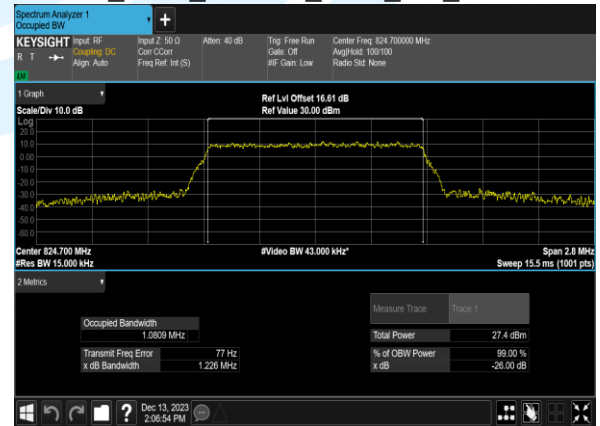
B5_3M_16QAM_15@0_CH_20635



B5_1.4M_QPSK_6@0_CH_20407



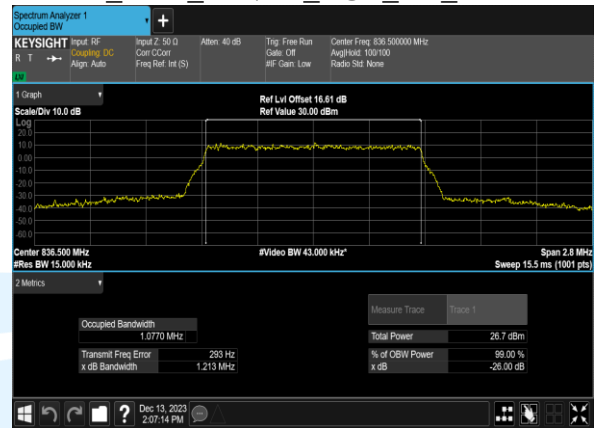
B5_1.4M_16QAM_6@0_CH_20407



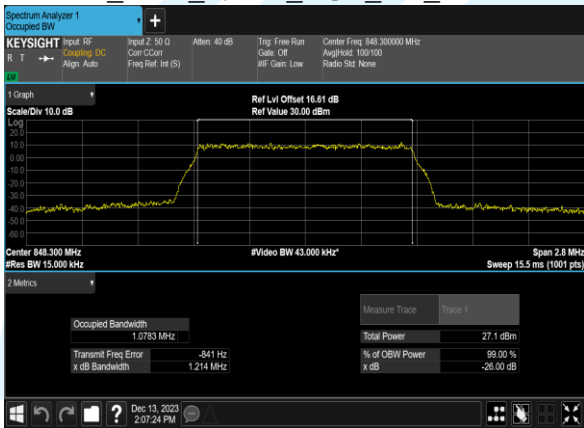
B5_1.4M_QPSK_6@0_CH_20525



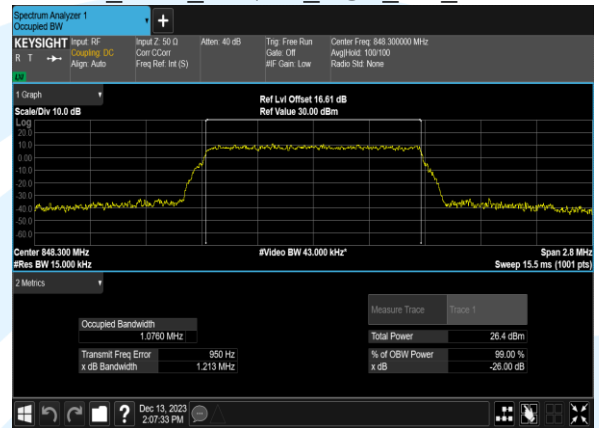
B5_1.4M_16QAM_6@0_CH_20525



B5_1.4M_QPSK_6@0_CH_20643



B5_1.4M_16QAM_6@0_CH_20643

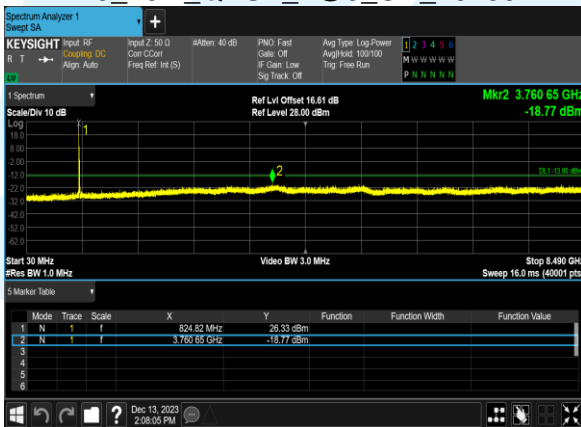


Conducted Spurious Emissions

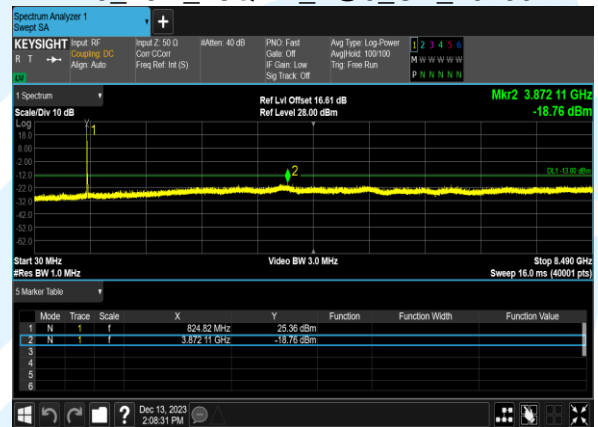
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
5	10.0	20450	829.0	QPSK	1@0	-18.77	-13	PASS
5	10.0	20450	829.0	16QAM	1@0	-18.76	-13	PASS
5	10.0	20525	836.5	QPSK	1@0	-18.83	-13	PASS
5	10.0	20525	836.5	16QAM	1@0	-18.73	-13	PASS
5	10.0	20600	844.0	QPSK	1@0	-19.46	-13	PASS
5	10.0	20600	844.0	16QAM	1@0	-19.57	-13	PASS
5	5.0	20425	826.5	QPSK	1@0	-19.61	-13	PASS
5	5.0	20425	826.5	16QAM	1@0	-19.28	-13	PASS
5	5.0	20525	836.5	QPSK	1@0	-19.39	-13	PASS
5	5.0	20525	836.5	16QAM	1@0	-19.42	-13	PASS
5	5.0	20625	846.5	QPSK	1@0	-19.6	-13	PASS
5	5.0	20625	846.5	16QAM	1@0	-18.96	-13	PASS
5	3.0	20415	825.5	QPSK	1@0	-18.19	-13	PASS
5	3.0	20415	825.5	16QAM	1@0	-18.27	-13	PASS
5	3.0	20525	836.5	QPSK	1@0	-18.2	-13	PASS
5	3.0	20525	836.5	16QAM	1@0	-18.16	-13	PASS
5	3.0	20635	847.5	QPSK	1@0	-19.08	-13	PASS
5	3.0	20635	847.5	16QAM	1@0	-18.66	-13	PASS
5	1.4	20407	824.7	QPSK	1@0	-19.6	-13	PASS
5	1.4	20407	824.7	16QAM	1@0	-19.33	-13	PASS
5	1.4	20525	836.5	QPSK	1@0	-19.53	-13	PASS
5	1.4	20525	836.5	16QAM	1@0	-19.68	-13	PASS
5	1.4	20643	848.3	QPSK	1@0	-18.89	-13	PASS
5	1.4	20643	848.3	16QAM	1@0	-19.14	-13	PASS

Test Graphs

B5_10M_QPSK_1@0_CH_20450



B5_10M_16QAM_1@0_CH_20450



B5_10M_QPSK_1@0_CH_20525



B5_10M_16QAM_1@0_CH_20525



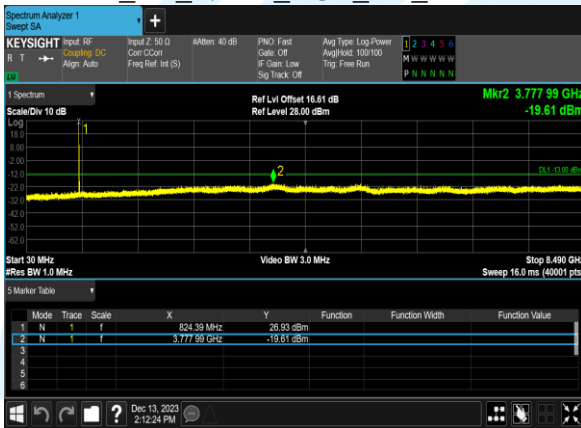
B5_10M_QPSK_1@0_CH_20600



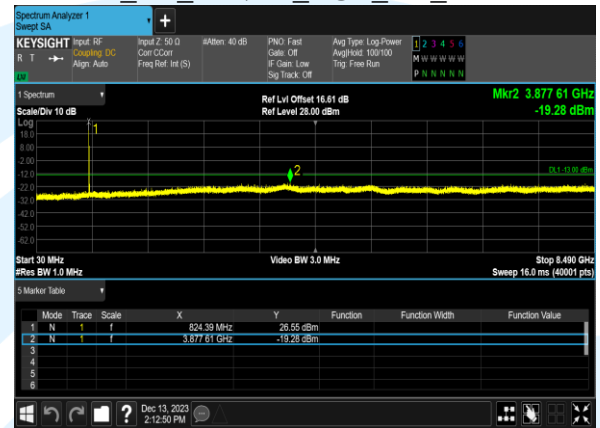
B5_10M_16QAM_1@0_CH_20600



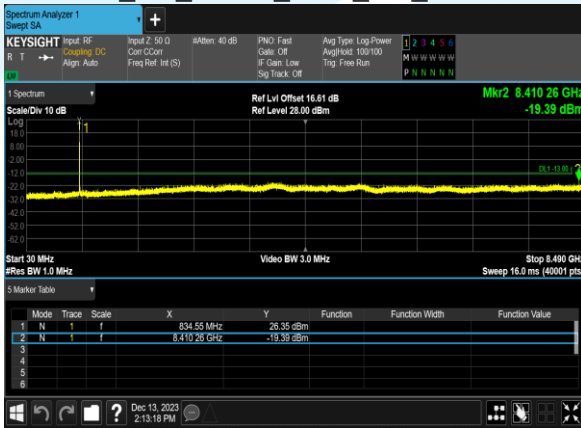
B5_5M_QPSK_1@0_CH_20425



B5_5M_16QAM_1@0_CH_20425



B5_5M_QPSK_1@0_CH_20525



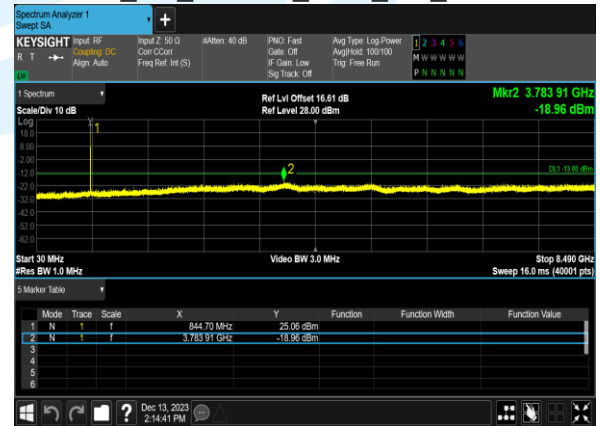
B5_5M_16QAM_1@0_CH_20525



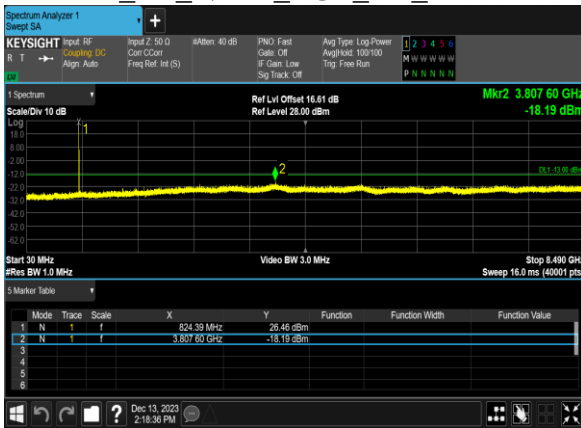
B5_5M_QPSK_1@0_CH_20625



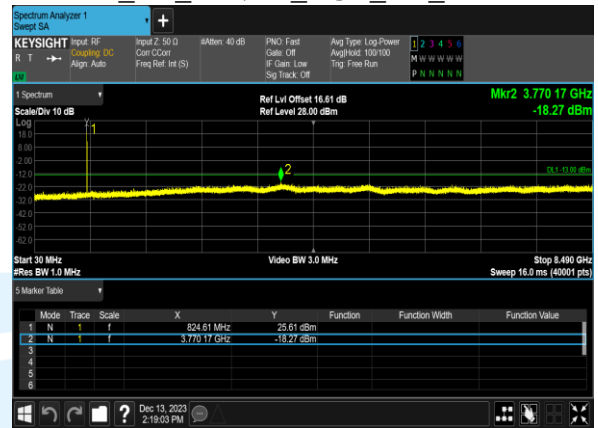
B5_5M_16QAM_1@0_CH_20625



B5_3M_QPSK_1@0_CH_20415



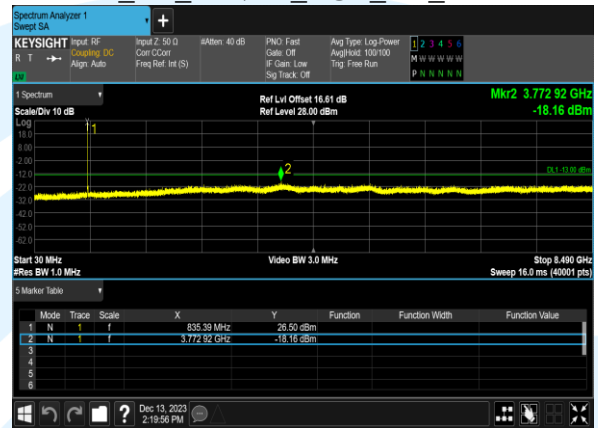
B5_3M_16QAM_1@0_CH_20415



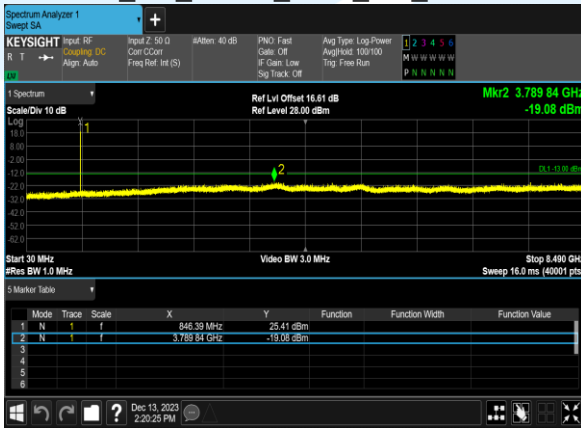
B5_3M_QPSK_1@0_CH_20525



B5_3M_16QAM_1@0_CH_20525



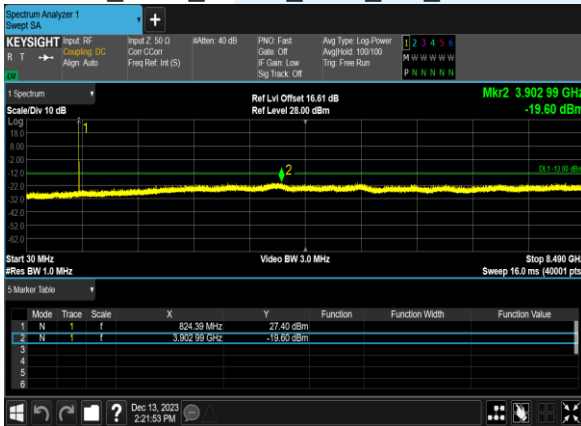
B5_3M_QPSK_1@0_CH_20635



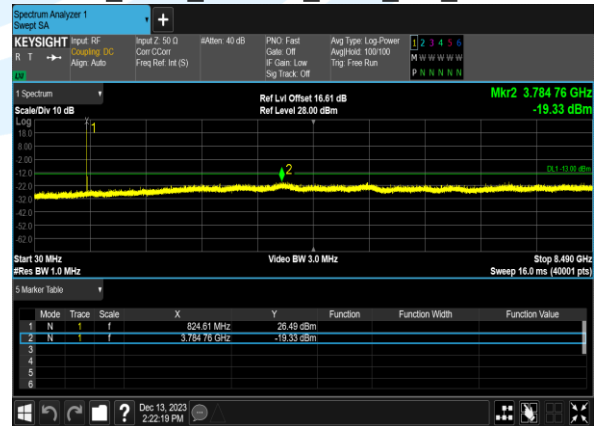
B5_3M_16QAM_1@0_CH_20635



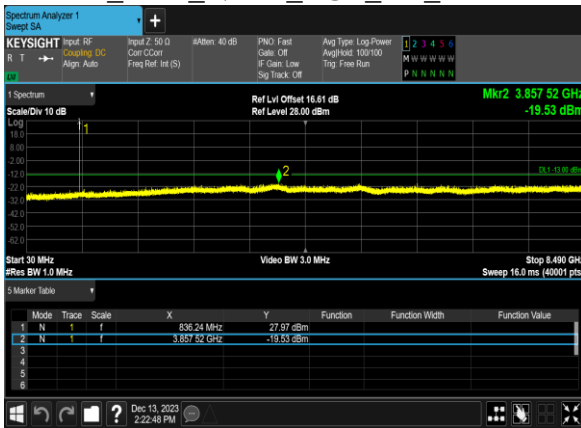
B5_1.4M_QPSK_1@0_CH_20407



B5_1.4M_16QAM_1@0_CH_20407



B5_1.4M_QPSK_1@0_CH_20525



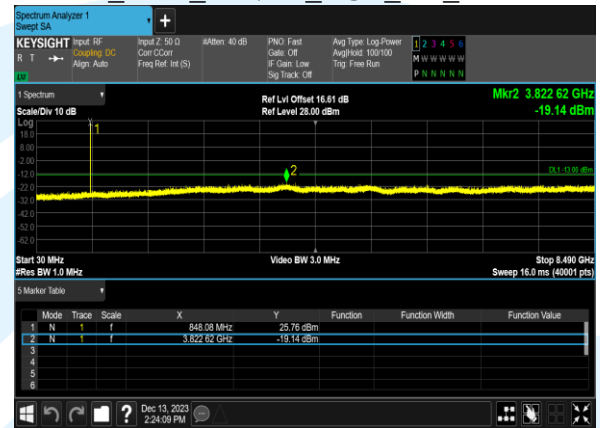
B5_1.4M_16QAM_1@0_CH_20525



B5_1.4M_QPSK_1@0_CH_20643



B5_1.4M_16QAM_1@0_CH_20643

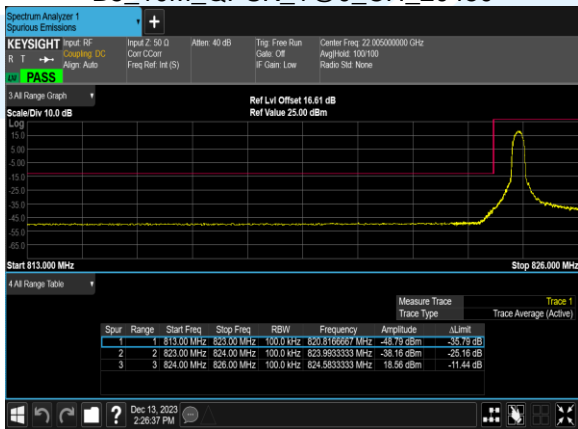


Conducted Band Edge

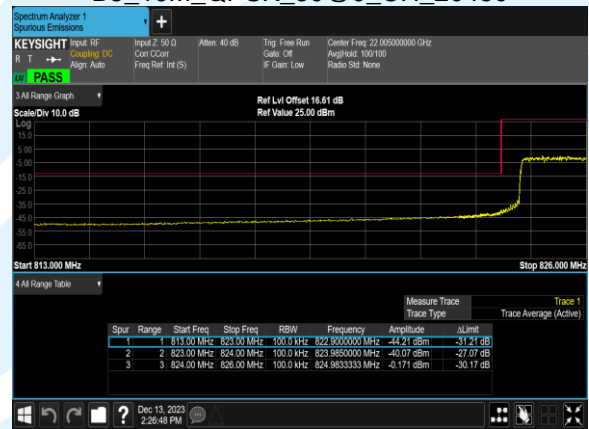
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
5	10.0	20450	829.0	QPSK	1@0	see graph	PASS
5	10.0	20450	829.0	QPSK	50@0	see graph	PASS
5	10.0	20450	829.0	16QAM	1@0	see graph	PASS
5	10.0	20450	829.0	16QAM	50@0	see graph	PASS
5	10.0	20600	844.0	QPSK	1@49	see graph	PASS
5	10.0	20600	844.0	QPSK	50@0	see graph	PASS
5	10.0	20600	844.0	16QAM	1@49	see graph	PASS
5	10.0	20600	844.0	16QAM	50@0	see graph	PASS
5	5.0	20425	826.5	QPSK	1@0	see graph	PASS
5	5.0	20425	826.5	QPSK	25@0	see graph	PASS
5	5.0	20425	826.5	16QAM	1@0	see graph	PASS
5	5.0	20425	826.5	16QAM	25@0	see graph	PASS
5	5.0	20625	846.5	QPSK	1@24	see graph	PASS
5	5.0	20625	846.5	QPSK	25@0	see graph	PASS
5	5.0	20625	846.5	16QAM	1@24	see graph	PASS
5	5.0	20625	846.5	16QAM	25@0	see graph	PASS
5	3.0	20415	825.5	QPSK	1@0	see graph	PASS
5	3.0	20415	825.5	QPSK	15@0	see graph	PASS
5	3.0	20415	825.5	16QAM	1@0	see graph	PASS
5	3.0	20415	825.5	16QAM	15@0	see graph	PASS
5	3.0	20635	847.5	QPSK	1@14	see graph	PASS
5	3.0	20635	847.5	QPSK	15@0	see graph	PASS
5	3.0	20635	847.5	16QAM	1@14	see graph	PASS
5	3.0	20635	847.5	16QAM	15@0	see graph	PASS
5	1.4	20407	824.7	QPSK	1@0	see graph	PASS
5	1.4	20407	824.7	QPSK	6@0	see graph	PASS
5	1.4	20407	824.7	16QAM	1@0	see graph	PASS
5	1.4	20407	824.7	16QAM	6@0	see graph	PASS
5	1.4	20643	848.3	QPSK	1@5	see graph	PASS
5	1.4	20643	848.3	QPSK	6@0	see graph	PASS
5	1.4	20643	848.3	16QAM	1@5	see graph	PASS
5	1.4	20643	848.3	16QAM	6@0	see graph	PASS

Test Graphs

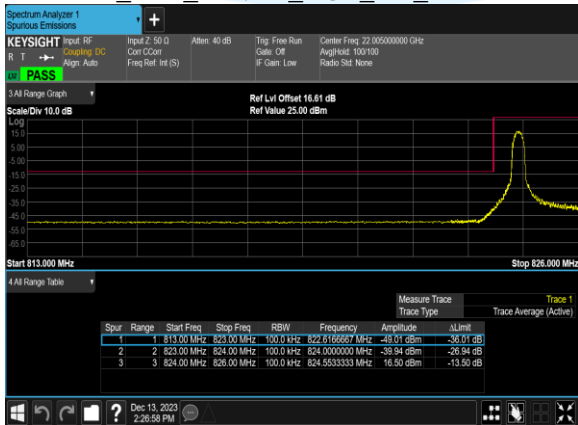
B5_10M_QPSK_1@0_CH_20450



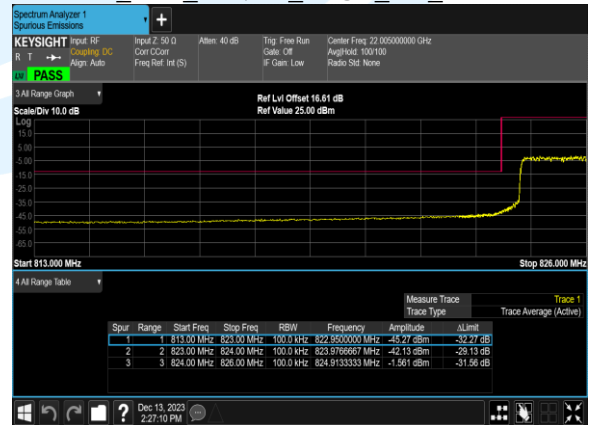
B5_10M_QPSK_50@0_CH_20450



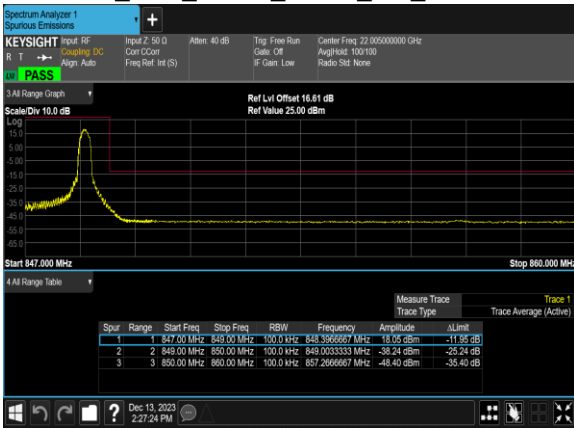
B5_10M_16QAM_1@0_CH_20450



B5_10M_16QAM_50@0_CH_20450



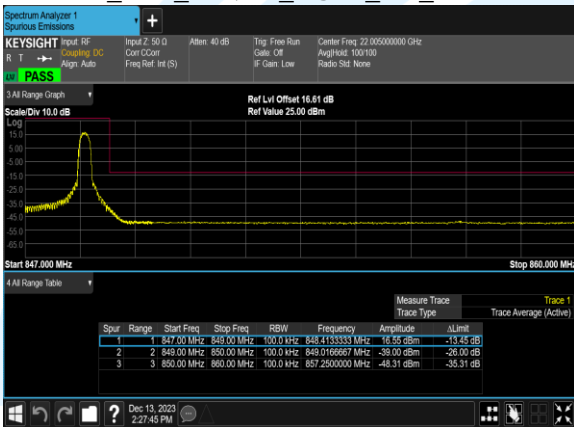
B5_10M_QPSK_1@49_CH_20600



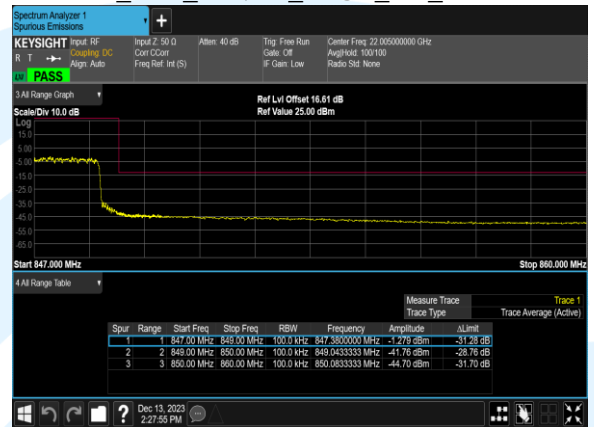
B5_10M_QPSK_50@0_CH_20600



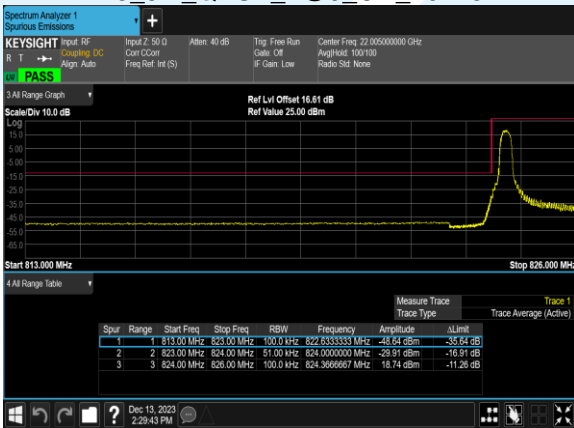
B5_10M_16QAM_1@49_CH_20600



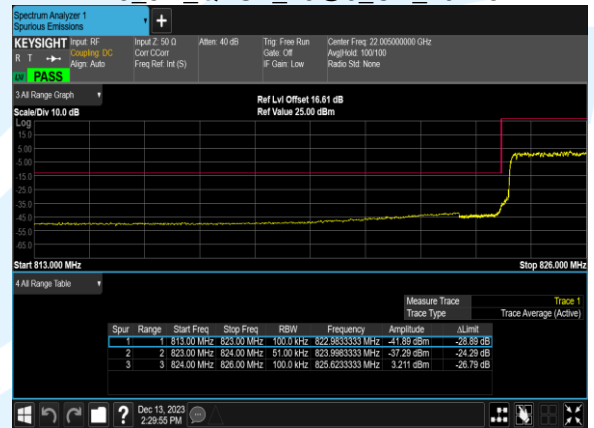
B5_10M_16QAM_50@0_CH_20600



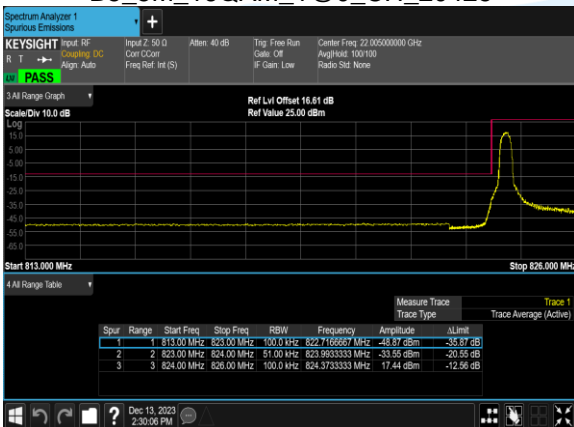
B5_5M_QPSK_1@0_CH_20425



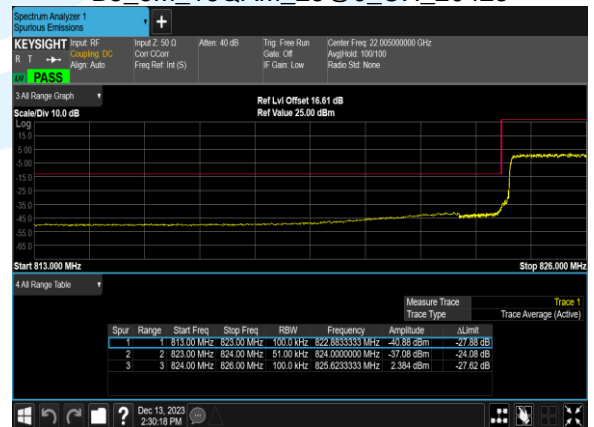
B5_5M_QPSK_25@0_CH_20425



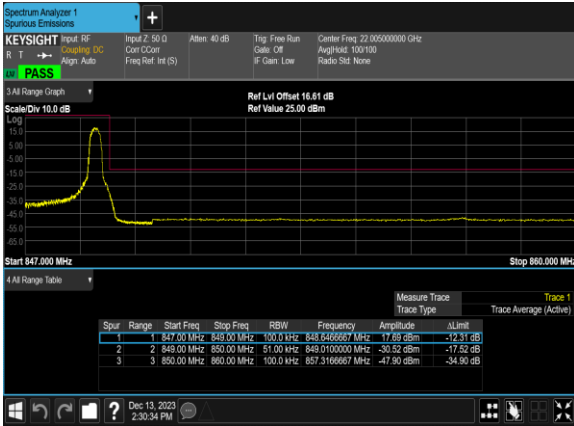
B5_5M_16QAM_1@0_CH_20425



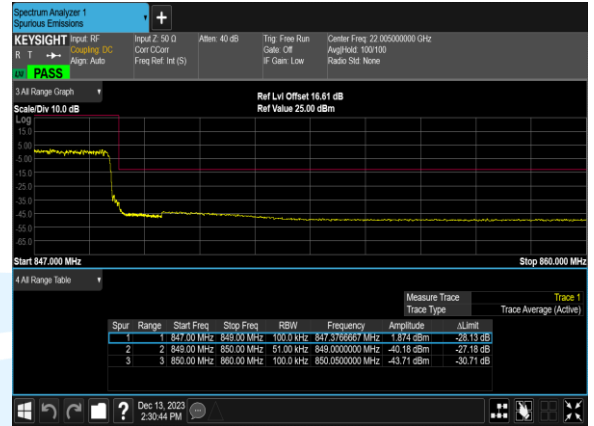
B5_5M_16QAM_25@0_CH_20425



B5_5M_QPSK_1@24_CH_20625



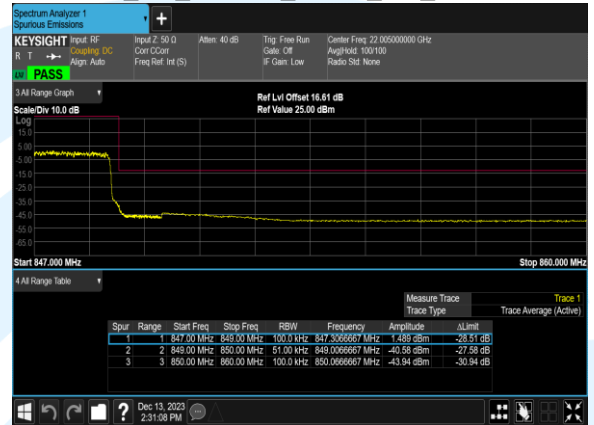
B5_5M_QPSK_25@0_CH_20625



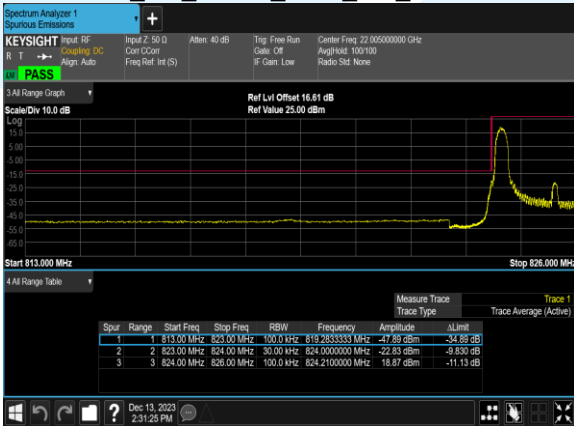
B5_5M_16QAM_1@24_CH_20625



B5_5M_16QAM_25@0_CH_20625



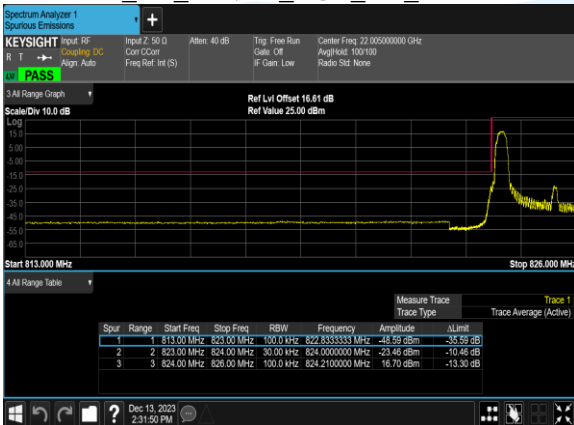
B5_3M_QPSK_1@0_CH_20415



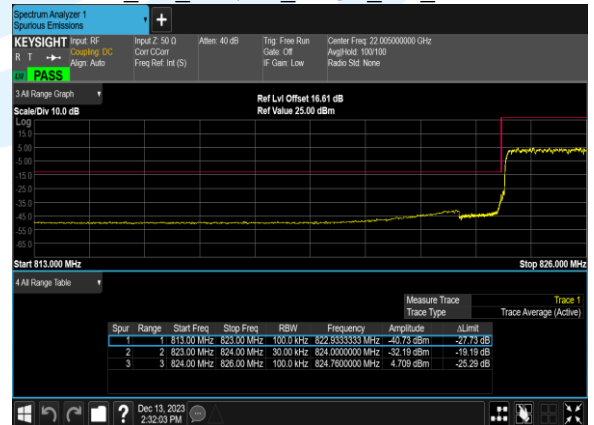
B5_3M_QPSK_15@0_CH_20415



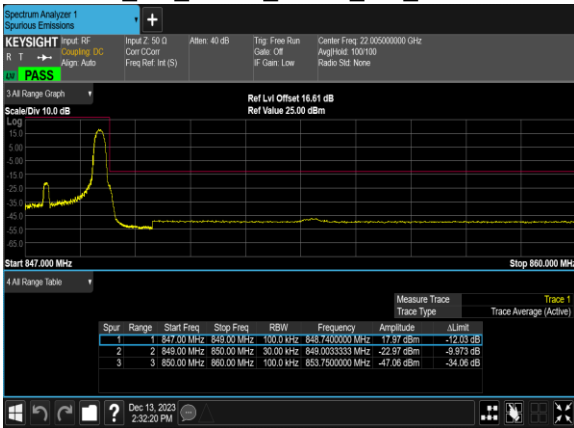
B5_3M_16QAM_1@0_CH_20415



B5_3M_16QAM_15@0_CH_20415



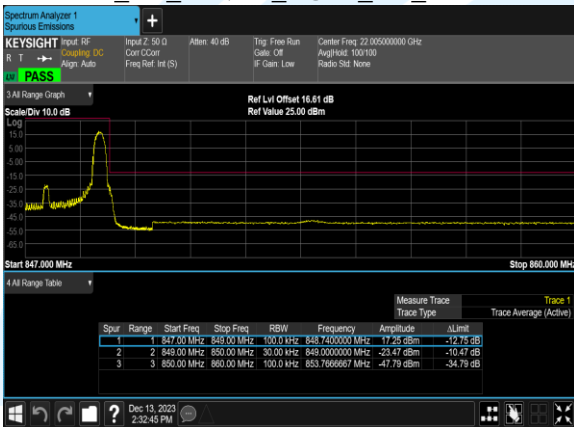
B5_3M_QPSK_1@14_CH_20635



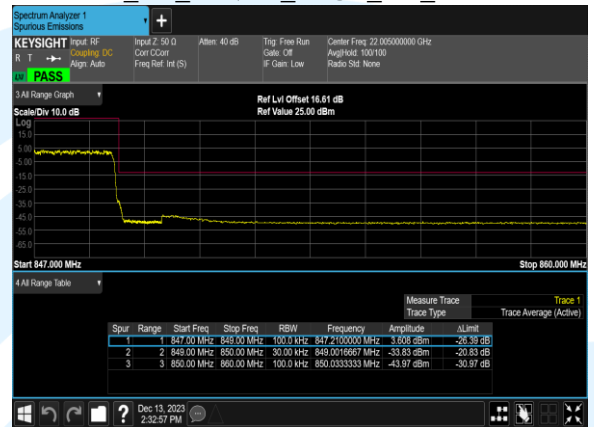
B5_3M_QPSK_15@0_CH_20635



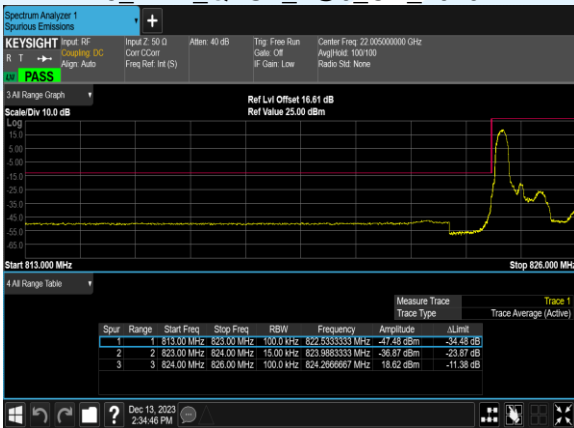
B5_3M_16QAM_1@14_CH_20635



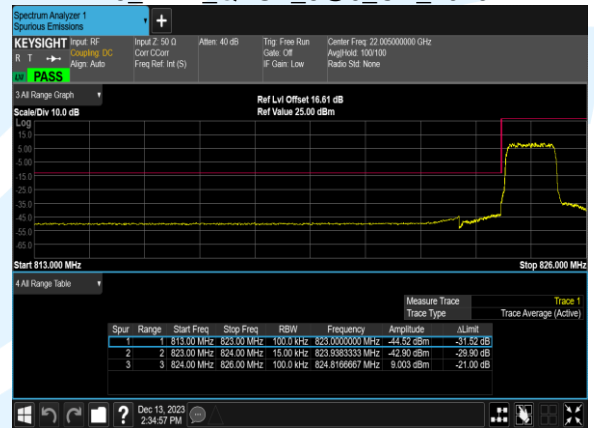
B5_3M_16QAM_15@0_CH_20635



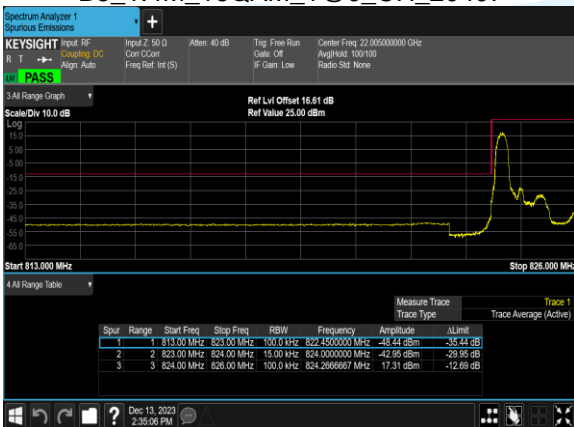
B5_1.4M_QPSK_1@0_CH_20407



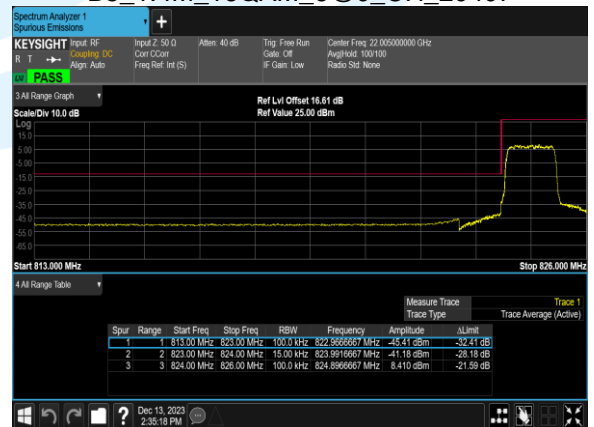
B5_1.4M_QPSK_6@0_CH_20407



B5_1.4M_16QAM_1@0_CH_20407



B5_1.4M_16QAM_6@0_CH_20407



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Tel: +86-755-28230888

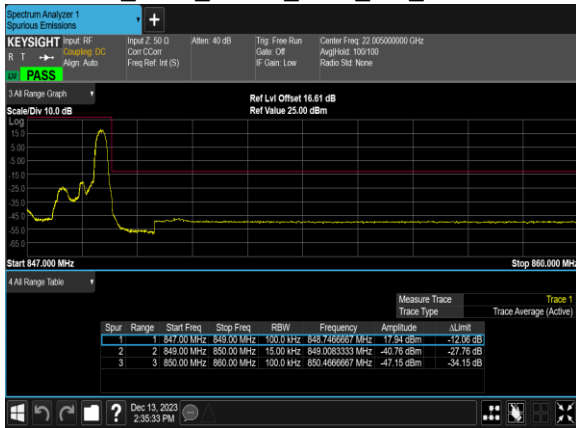
Fax: +86-755-28230886

E-mail: info@uttlab.com

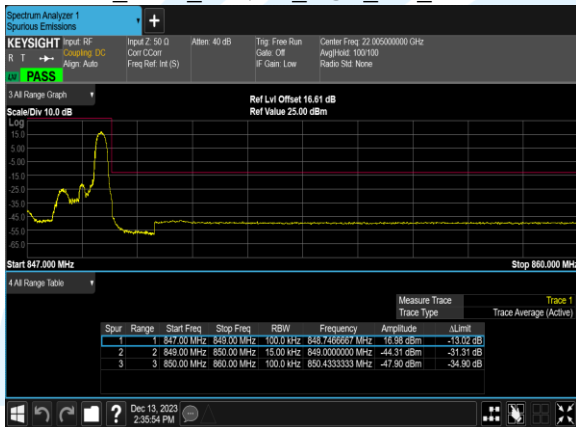
<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

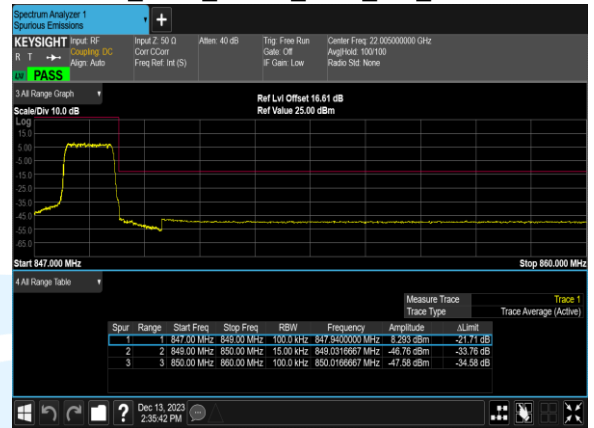
B5_1.4M_QPSK_1@5_CH_20643



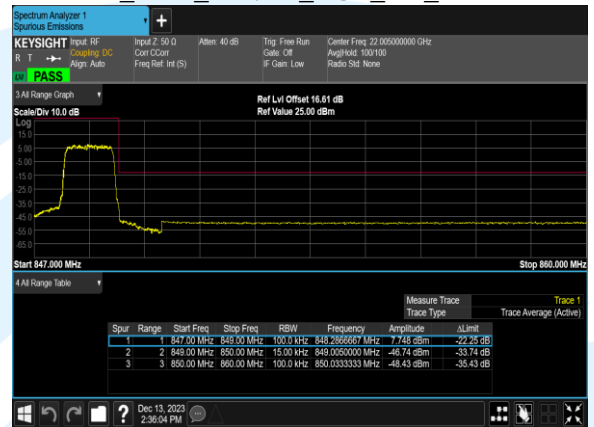
B5_1.4M_16QAM_1@5_CH_20643



B5_1.4M_QPSK_6@0_CH_20643



B5_1.4M_16QAM_6@0_CH_20643



A.4 LTE BAND 7

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	20.0	20850	2510.0	QPSK	100@0	5.21	13	PASS
7	20.0	20850	2510.0	16QAM	100@0	5.86	13	PASS
7	20.0	21100	2535.0	QPSK	100@0	5.32	13	PASS
7	20.0	21100	2535.0	16QAM	100@0	6.01	13	PASS
7	20.0	21350	2560.0	QPSK	100@0	4.69	13	PASS
7	20.0	21350	2560.0	16QAM	100@0	5.33	13	PASS
7	15.0	20825	2507.5	QPSK	75@0	5.22	13	PASS
7	15.0	20825	2507.5	16QAM	75@0	5.96	13	PASS
7	15.0	21100	2535.0	QPSK	75@0	5.22	13	PASS
7	15.0	21100	2535.0	16QAM	75@0	6.00	13	PASS
7	15.0	21375	2562.5	QPSK	75@0	4.71	13	PASS
7	15.0	21375	2562.5	16QAM	75@0	5.42	13	PASS
7	10.0	20800	2505.0	QPSK	50@0	5.41	13	PASS
7	10.0	20800	2505.0	16QAM	50@0	6.08	13	PASS
7	10.0	21100	2535.0	QPSK	50@0	5.39	13	PASS
7	10.0	21100	2535.0	16QAM	50@0	6.14	13	PASS
7	10.0	21400	2565.0	QPSK	50@0	4.62	13	PASS
7	10.0	21400	2565.0	16QAM	50@0	5.29	13	PASS
7	5.0	20775	2502.5	QPSK	25@0	5.36	13	PASS
7	5.0	20775	2502.5	16QAM	25@0	5.99	13	PASS
7	5.0	21100	2535.0	QPSK	25@0	5.40	13	PASS
7	5.0	21100	2535.0	16QAM	25@0	6.06	13	PASS
7	5.0	21425	2567.5	QPSK	25@0	4.66	13	PASS
7	5.0	21425	2567.5	16QAM	25@0	5.25	13	PASS

Test Graphs

B7_20M_QPSK_100@0_CH_20850



B7_20M_16QAM_100@0_CH_20850



B7_20M_QPSK_100@0_CH_21100



B7_20M_16QAM_100@0_CH_21100

