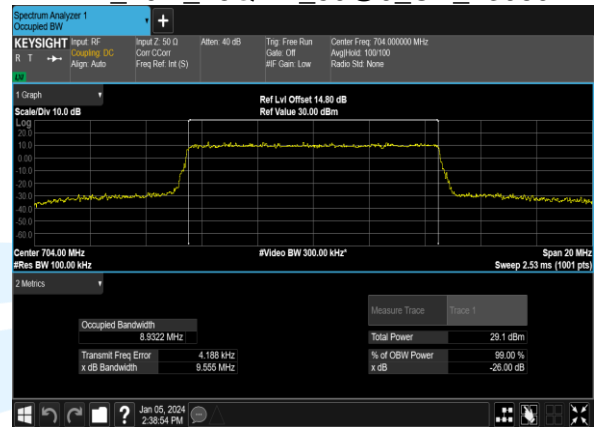


Test Graphs

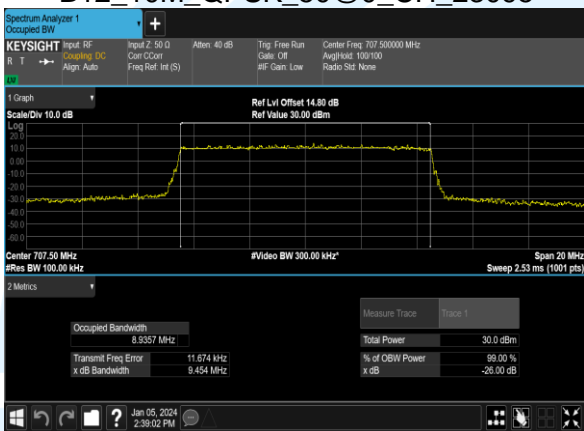
B12_10M_QPSK_50@0_CH_23060



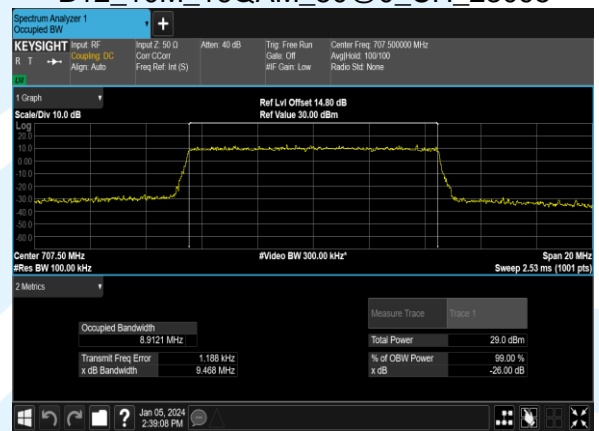
B12_10M_16QAM_50@0_CH_23060



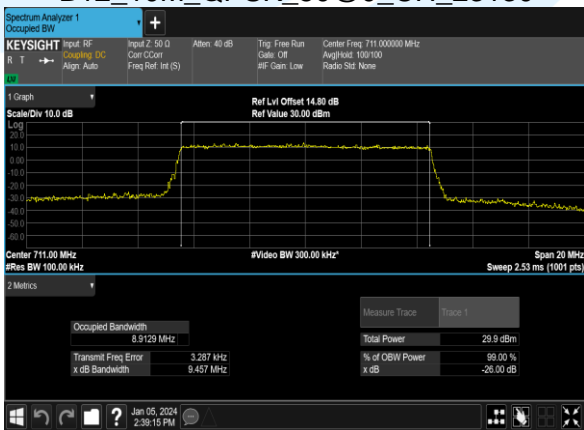
B12_10M_QPSK_50@0_CH_23095



B12_10M_16QAM_50@0_CH_23095



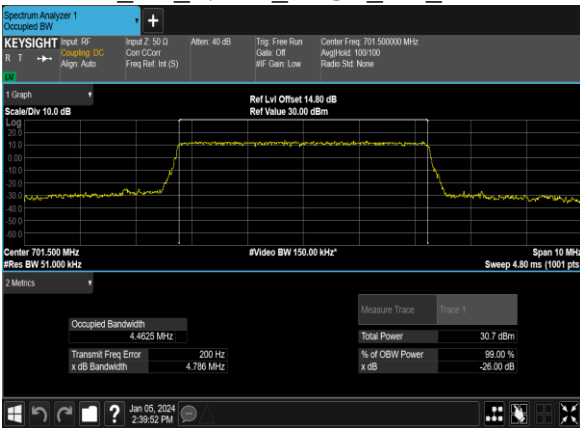
B12_10M_QPSK_50@0_CH_23130



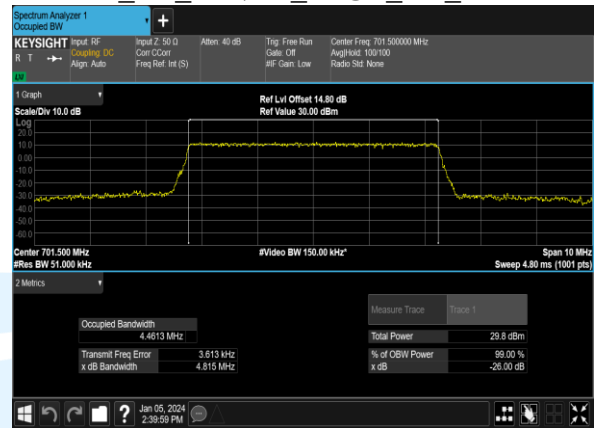
B12_10M_16QAM_50@0_CH_23130



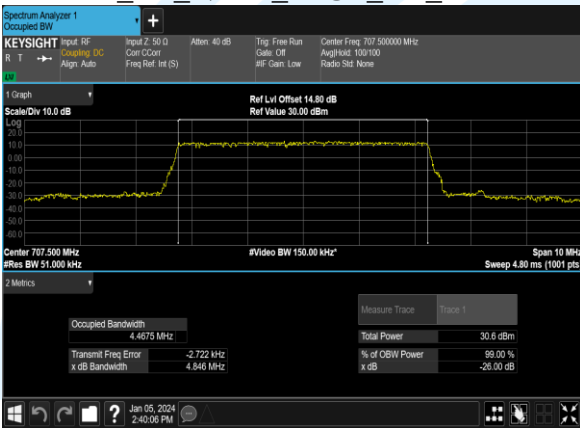
B12_5M_QPSK_25@0_CH_23035



B12_5M_16QAM_25@0_CH_23035



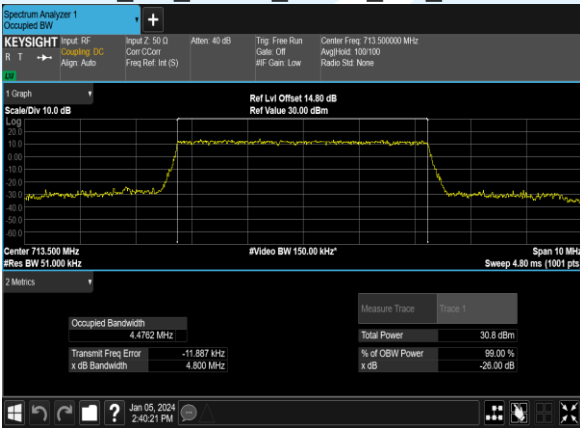
B12_5M_QPSK_25@0_CH_23095



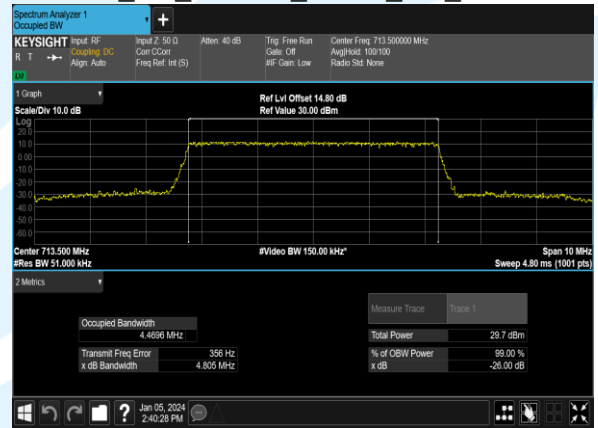
B12_5M_16QAM_25@0_CH_23095



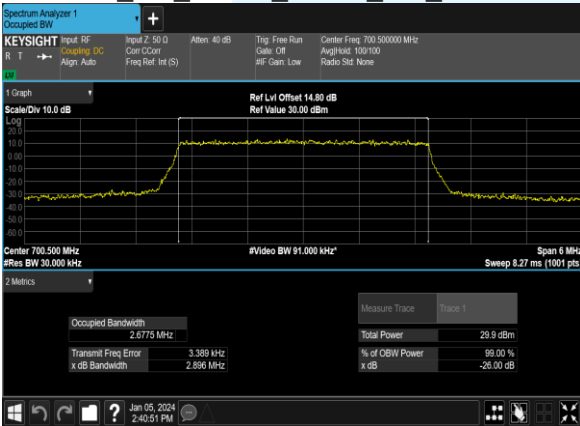
B12_5M_QPSK_25@0_CH_23155



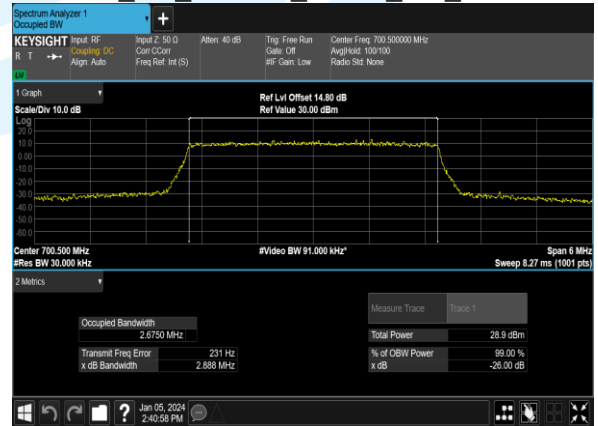
B12_5M_16QAM_25@0_CH_23155



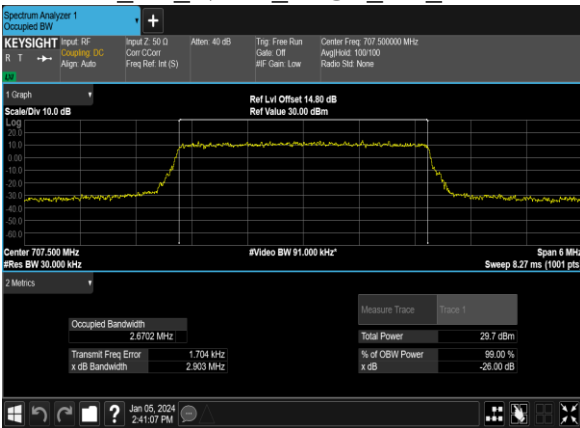
B12_3M_QPSK_15@0_CH_23025



B12_3M_16QAM_15@0_CH_23025



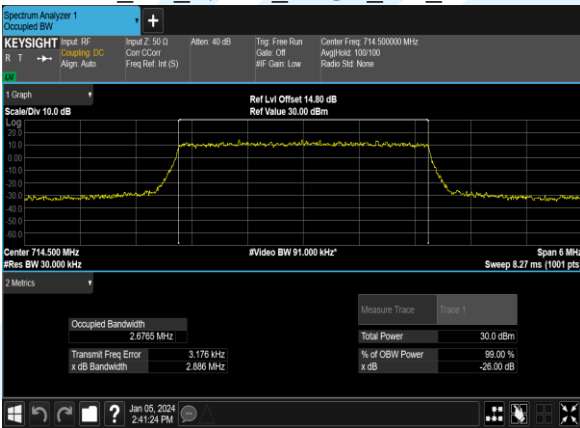
B12_3M_QPSK_15@0_CH_23095



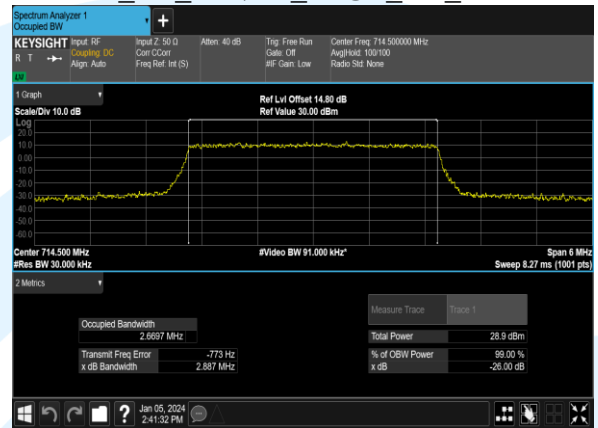
B12_3M_16QAM_15@0_CH_23095



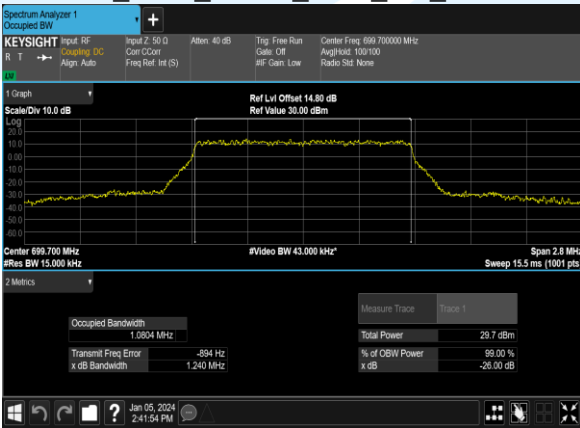
B12_3M_QPSK_15@0_CH_23165



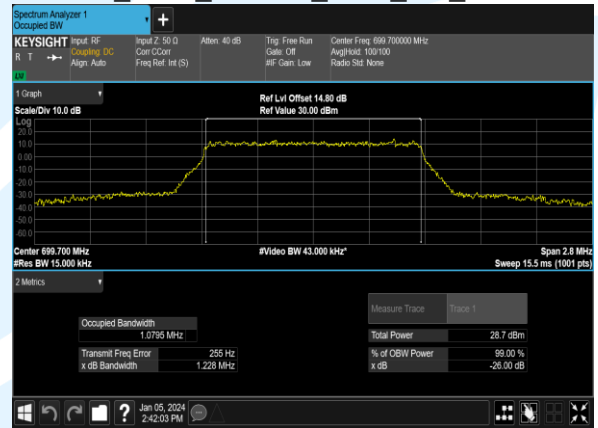
B12_3M_16QAM_15@0_CH_23165



B12_1.4M_QPSK_6@0_CH_23017



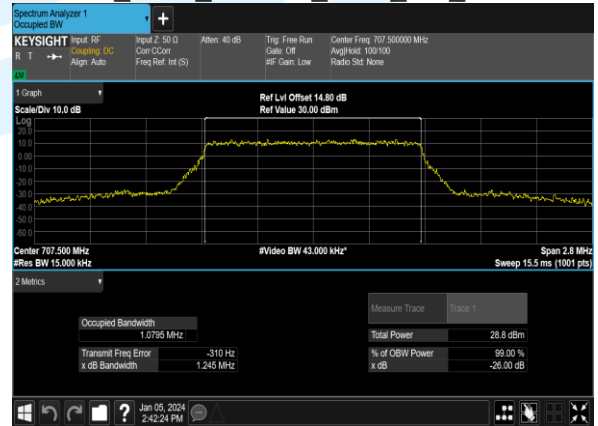
B12_1.4M_16QAM_6@0_CH_23017



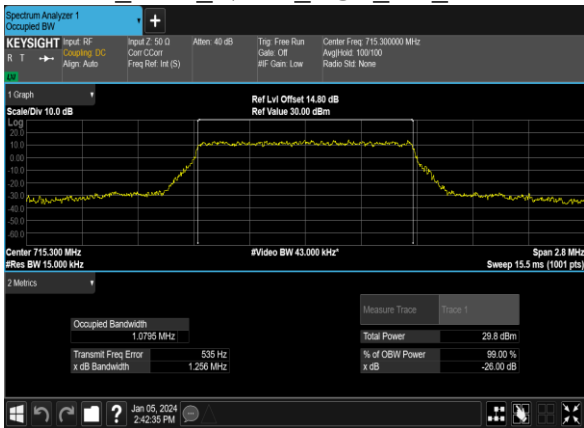
B12_1.4M_QPSK_6@0_CH_23095



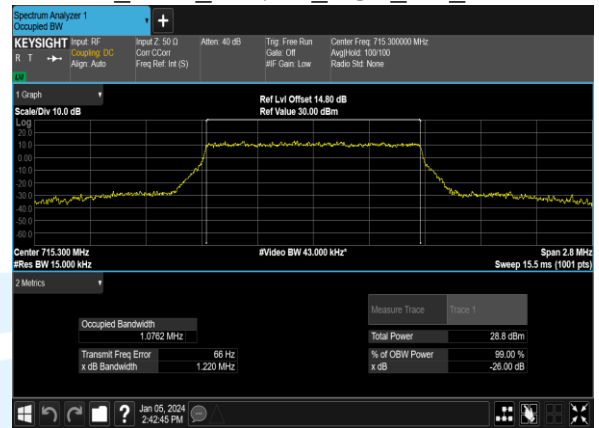
B12_1.4M_16QAM_6@0_CH_23095



B12_1.4M_QPSK_6@0_CH_23173



B12_1.4M_16QAM_6@0_CH_23173



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Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
12	10.0	23060	704.0	QPSK	1@0	-20.07	-13	PASS
12	10.0	23060	704.0	16QAM	1@0	-21.14	-13	PASS
12	10.0	23095	707.5	QPSK	1@0	-21.08	-13	PASS
12	10.0	23095	707.5	16QAM	1@0	-20.75	-13	PASS
12	10.0	23130	711.0	QPSK	1@0	-21.3	-13	PASS
12	10.0	23130	711.0	16QAM	1@0	-21.08	-13	PASS
12	5.0	23035	701.5	QPSK	1@0	-21.18	-13	PASS
12	5.0	23035	701.5	16QAM	1@0	-21.75	-13	PASS
12	5.0	23095	707.5	QPSK	1@0	-21.36	-13	PASS
12	5.0	23095	707.5	16QAM	1@0	-21.14	-13	PASS
12	5.0	23155	713.5	QPSK	1@0	-20.98	-13	PASS
12	5.0	23155	713.5	16QAM	1@0	-21.49	-13	PASS
12	3.0	23025	700.5	QPSK	1@0	-21.01	-13	PASS
12	3.0	23025	700.5	16QAM	1@0	-21.56	-13	PASS
12	3.0	23095	707.5	QPSK	1@0	-20.64	-13	PASS
12	3.0	23095	707.5	16QAM	1@0	-21.34	-13	PASS
12	3.0	23165	714.5	QPSK	1@0	-21.88	-13	PASS
12	3.0	23165	714.5	16QAM	1@0	-21.25	-13	PASS
12	1.4	23017	699.7	QPSK	1@0	-20.68	-13	PASS
12	1.4	23017	699.7	16QAM	1@0	-21.0	-13	PASS
12	1.4	23095	707.5	QPSK	1@0	-20.58	-13	PASS
12	1.4	23095	707.5	16QAM	1@0	-20.36	-13	PASS
12	1.4	23173	715.3	QPSK	1@0	-21.7	-13	PASS
12	1.4	23173	715.3	16QAM	1@0	-21.22	-13	PASS

Test Graphs

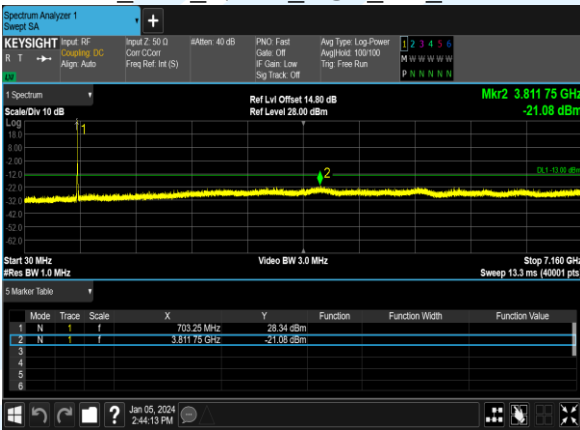
B12_10M_QPSK_1@0_CH_23060



B12_10M_16QAM_1@0_CH_23060



B12_10M_QPSK_1@0_CH_23095



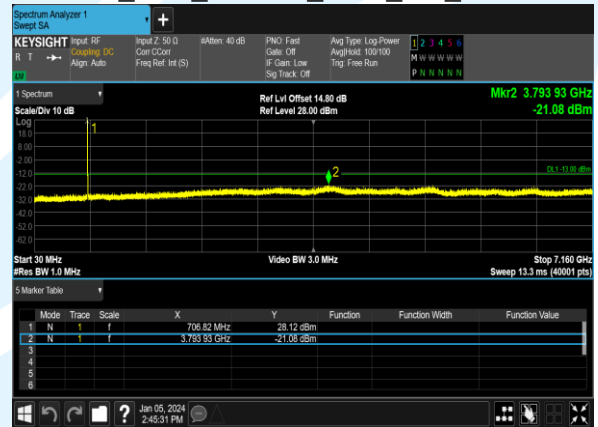
B12_10M_16QAM_1@0_CH_23095



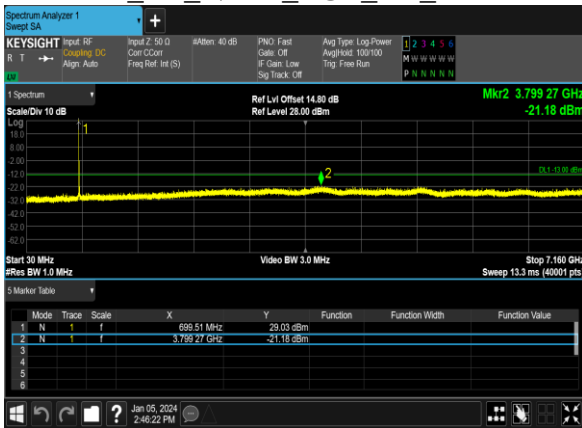
B12_10M_QPSK_1@0_CH_23130



B12_10M_16QAM_1@0_CH_23130



B12_5M_QPSK_1@0_CH_23035



B12_5M_16QAM_1@0_CH_23035



B12_5M_QPSK_1@0_CH_23095



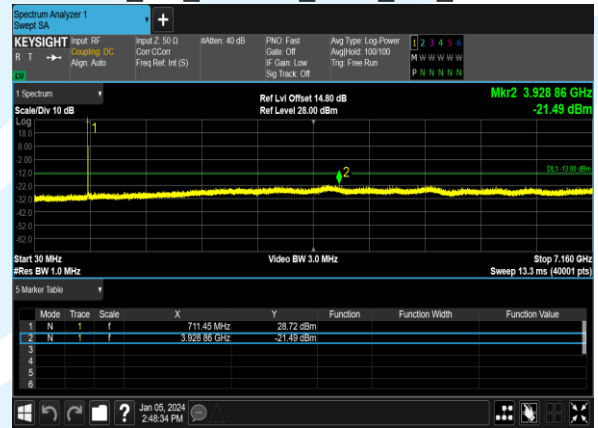
B12_5M_16QAM_1@0_CH_23095



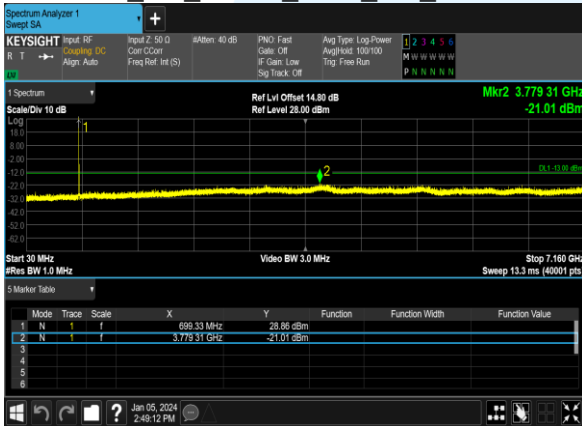
B12_5M_QPSK_1@0_CH_23155



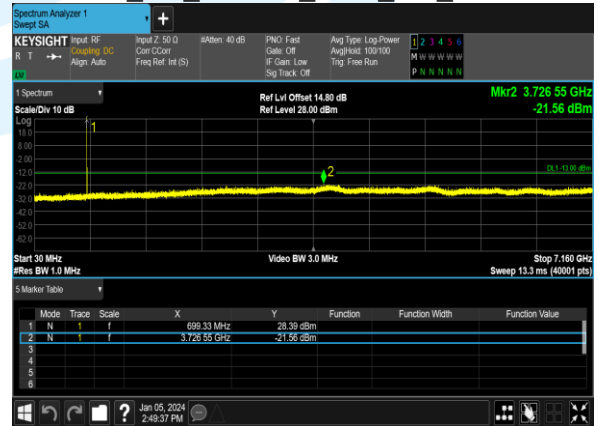
B12_5M_16QAM_1@0_CH_23155



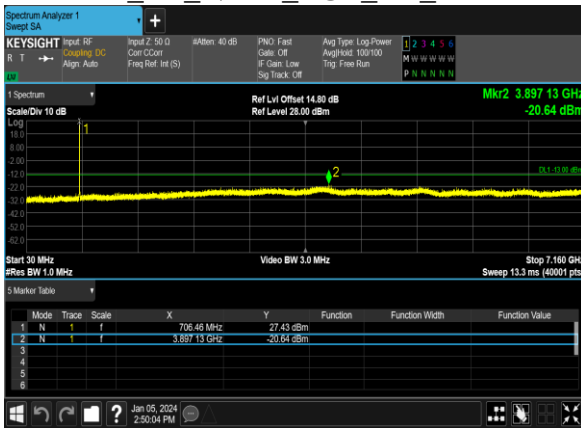
B12_3M_QPSK_1@0_CH_23025



B12_3M_16QAM_1@0_CH_23025



B12_3M_QPSK_1@0_CH_23095



B12_3M_16QAM_1@0_CH_23095



B12_3M_QPSK_1@0_CH_23165



B12_3M_16QAM_1@0_CH_23165



B12_1.4M_QPSK_1@0_CH_23017



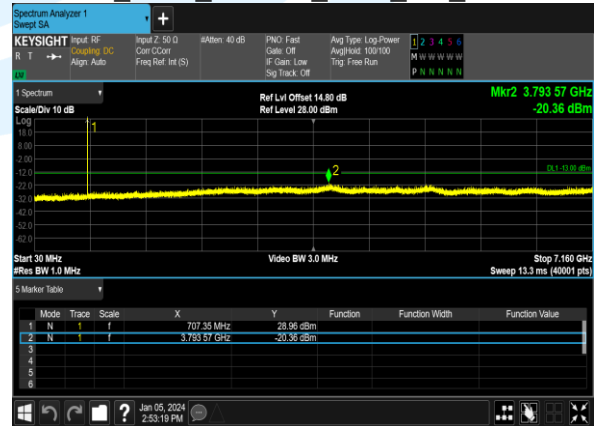
B12_1.4M_16QAM_1@0_CH_23017



B12_1.4M_QPSK_1@0_CH_23095



B12_1.4M_16QAM_1@0_CH_23095



B12_1.4M_QPSK_1@0_CH_23173



B12_1.4M_16QAM_1@0_CH_23173



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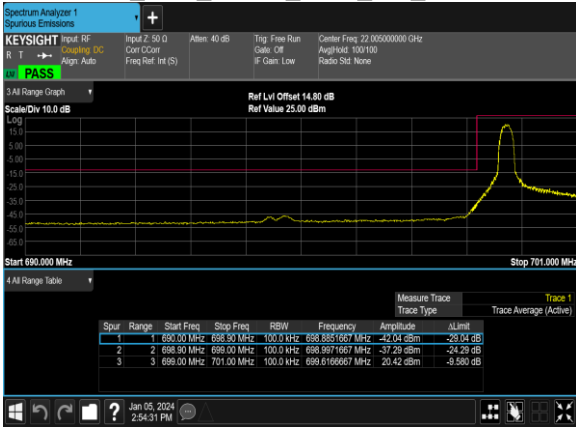
UTTR-RF-FCC4G-V1.1

Conducted Band Edge

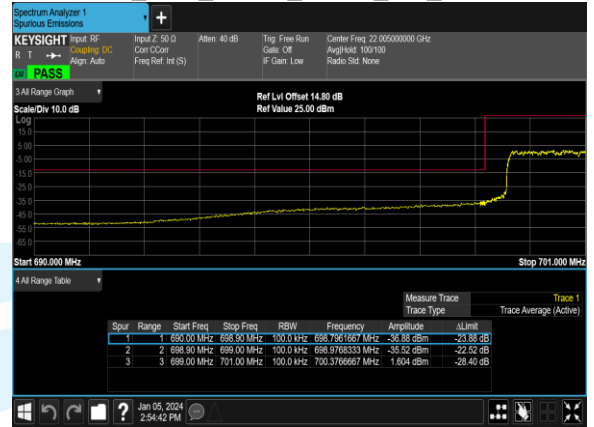
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
12	10.0	23060	704.0	QPSK	1@0	see graph	PASS
12	10.0	23060	704.0	QPSK	50@0	see graph	PASS
12	10.0	23060	704.0	16QAM	1@0	see graph	PASS
12	10.0	23060	704.0	16QAM	50@0	see graph	PASS
12	10.0	23130	711.0	QPSK	1@49	see graph	PASS
12	10.0	23130	711.0	QPSK	50@0	see graph	PASS
12	10.0	23130	711.0	16QAM	1@49	see graph	PASS
12	10.0	23130	711.0	16QAM	50@0	see graph	PASS
12	5.0	23035	701.5	QPSK	1@0	see graph	PASS
12	5.0	23035	701.5	QPSK	25@0	see graph	PASS
12	5.0	23035	701.5	16QAM	1@0	see graph	PASS
12	5.0	23035	701.5	16QAM	25@0	see graph	PASS
12	5.0	23155	713.5	QPSK	1@24	see graph	PASS
12	5.0	23155	713.5	QPSK	25@0	see graph	PASS
12	5.0	23155	713.5	16QAM	1@24	see graph	PASS
12	5.0	23155	713.5	16QAM	25@0	see graph	PASS
12	3.0	23025	700.5	QPSK	1@0	see graph	PASS
12	3.0	23025	700.5	QPSK	15@0	see graph	PASS
12	3.0	23025	700.5	16QAM	1@0	see graph	PASS
12	3.0	23025	700.5	16QAM	15@0	see graph	PASS
12	3.0	23165	714.5	QPSK	1@14	see graph	PASS
12	3.0	23165	714.5	QPSK	15@0	see graph	PASS
12	3.0	23165	714.5	16QAM	1@14	see graph	PASS
12	3.0	23165	714.5	16QAM	15@0	see graph	PASS
12	1.4	23017	699.7	QPSK	1@0	see graph	PASS
12	1.4	23017	699.7	QPSK	6@0	see graph	PASS
12	1.4	23017	699.7	16QAM	1@0	see graph	PASS
12	1.4	23017	699.7	16QAM	6@0	see graph	PASS
12	1.4	23173	715.3	QPSK	1@5	see graph	PASS
12	1.4	23173	715.3	QPSK	6@0	see graph	PASS
12	1.4	23173	715.3	16QAM	1@5	see graph	PASS
12	1.4	23173	715.3	16QAM	6@0	see graph	PASS

Test Graphs

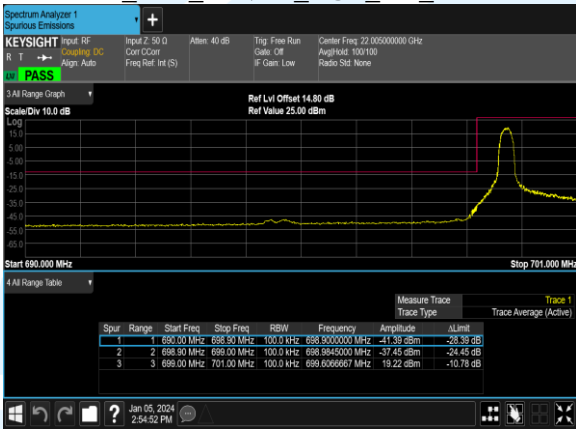
B12_10M_QPSK_1@0_CH_23060



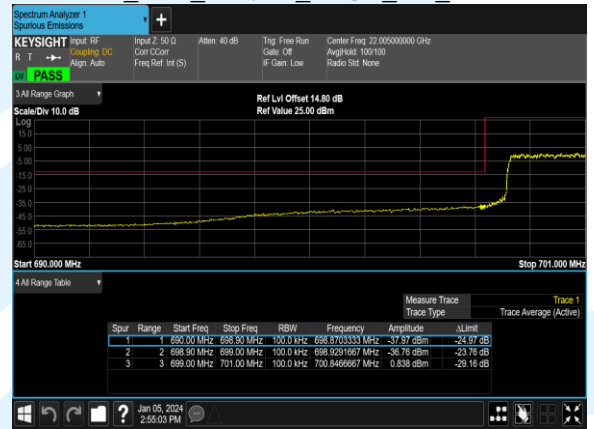
B12_10M_QPSK_50@0_CH_23060



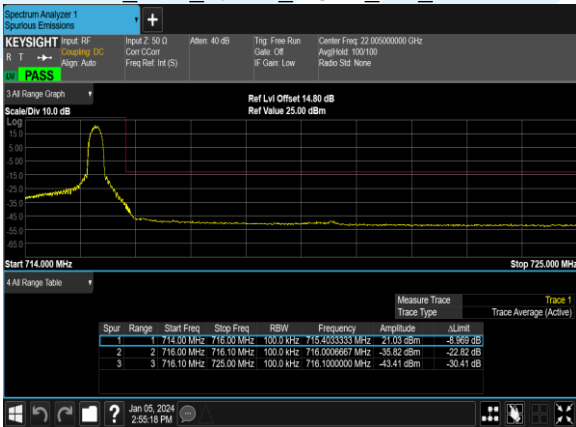
B12_10M_16QAM_1@0_CH_23060



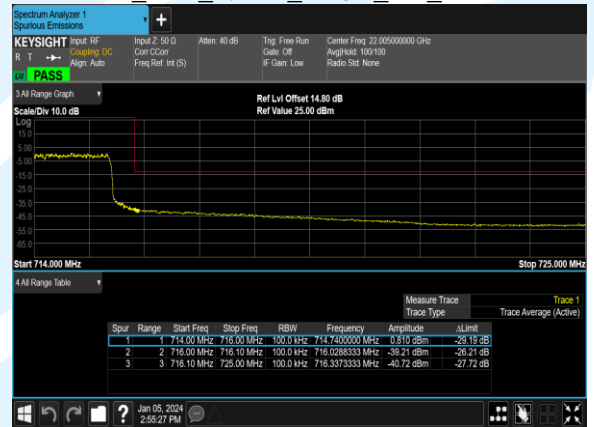
B12_10M_16QAM_50@0_CH_23060



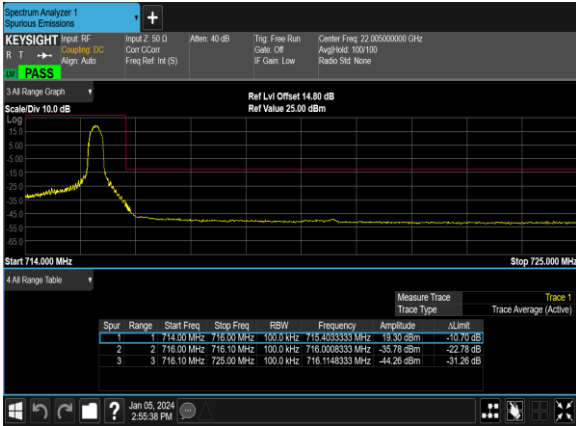
B12_10M_QPSK_1@49_CH_23130



B12_10M_QPSK_50@0_CH_23130



B12_10M_16QAM_1@49_CH_23130



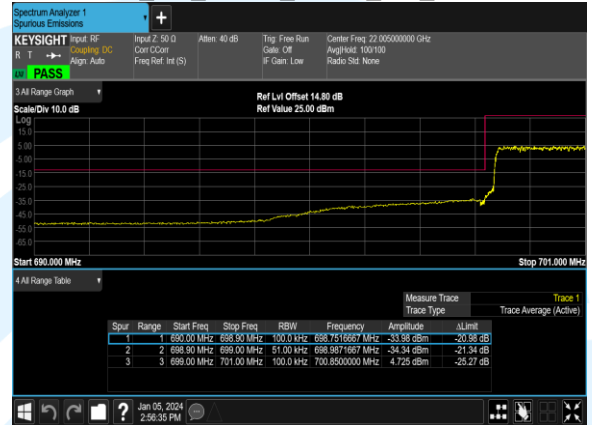
B12_10M_16QAM_50@0_CH_23130



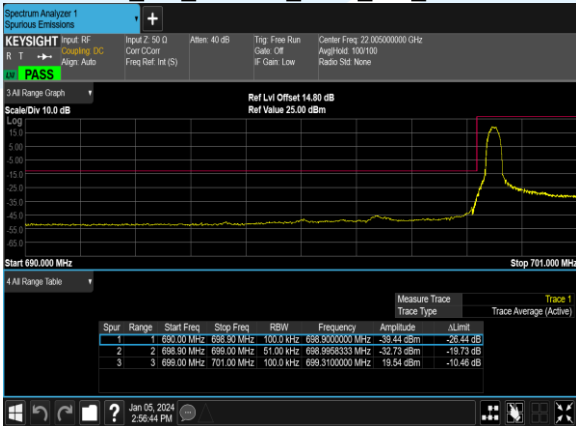
B12_5M_QPSK_1@0_CH_23035



B12_5M_QPSK_25@0_CH_23035



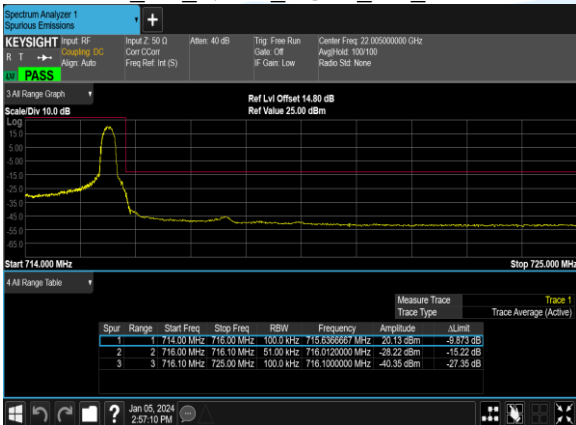
B12_5M_16QAM_1@0_CH_23035



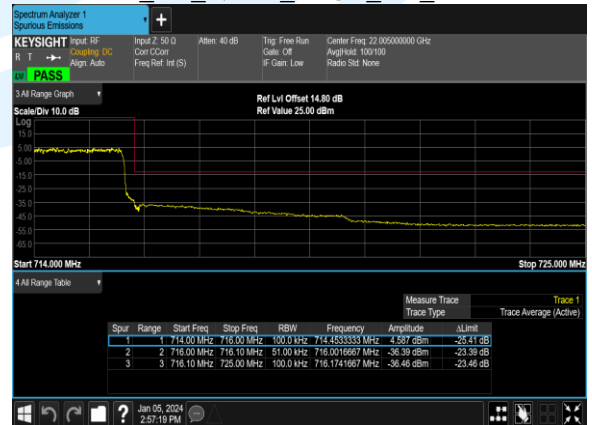
B12_5M_16QAM_25@0_CH_23035



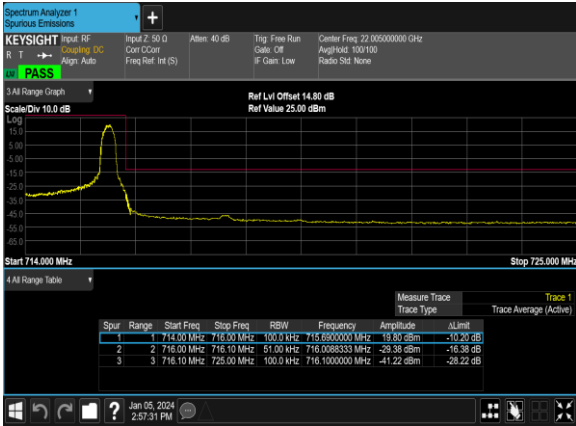
B12_5M_QPSK_1@24_CH_23155



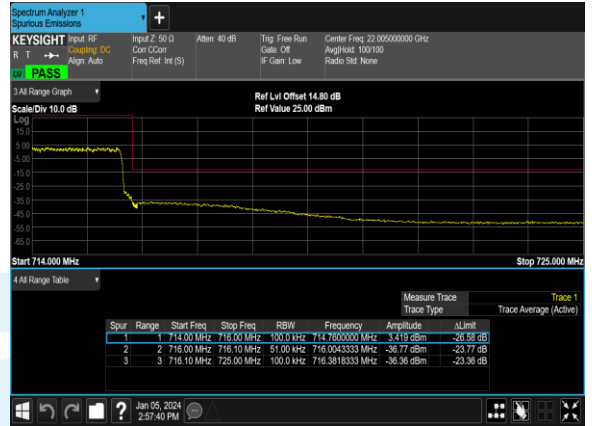
B12_5M_QPSK_25@0_CH_23155



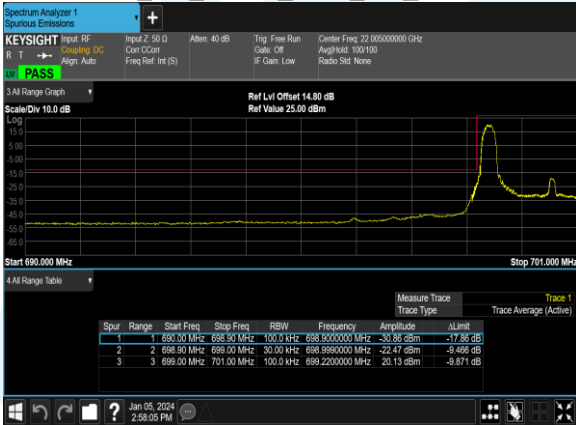
B12_5M_16QAM_1@24_CH_23155



B12_5M_16QAM_25@0_CH_23155



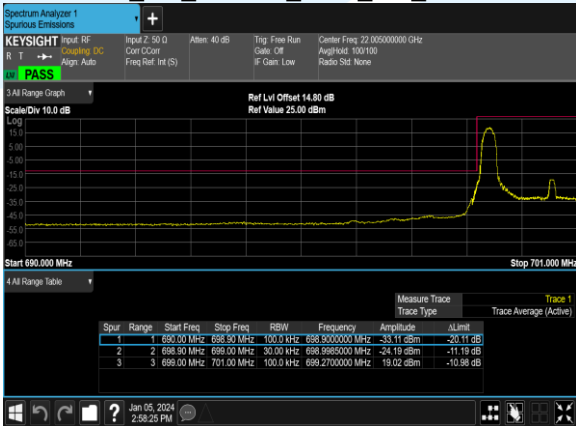
B12_3M_QPSK_1@0_CH_23025



B12_3M_QPSK_15@0_CH_23025



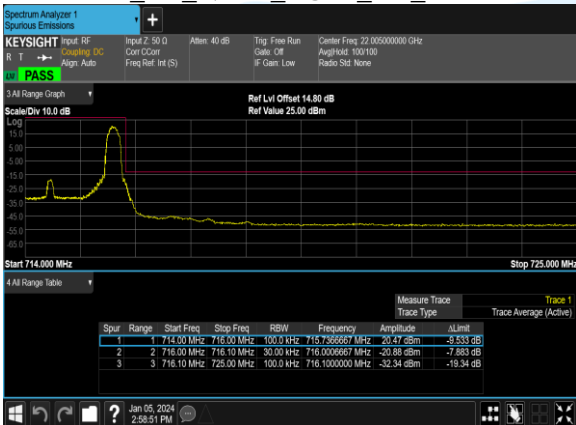
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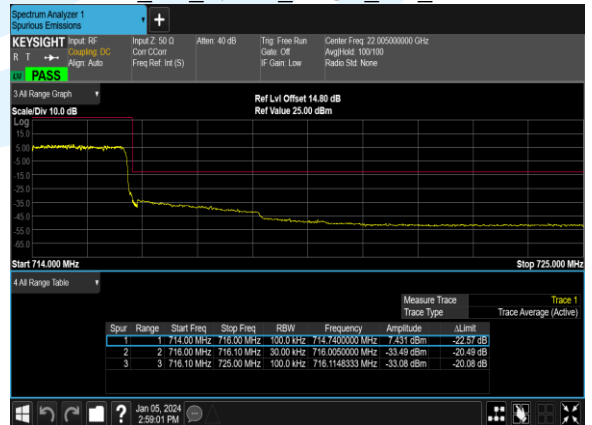
B12_3M_16QAM_15@0_CH_23025



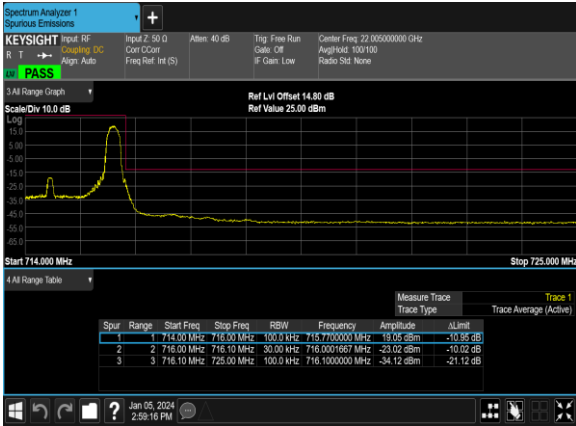
B12_3M_QPSK_1@14_CH_23165



B12_3M_QPSK_15@0_CH_23165



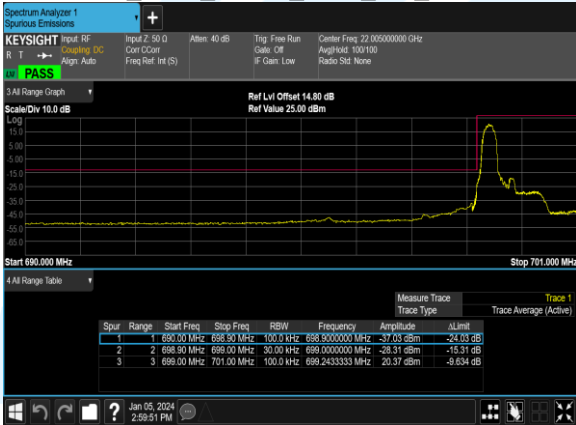
B12_3M_16QAM_1@14_CH_23165



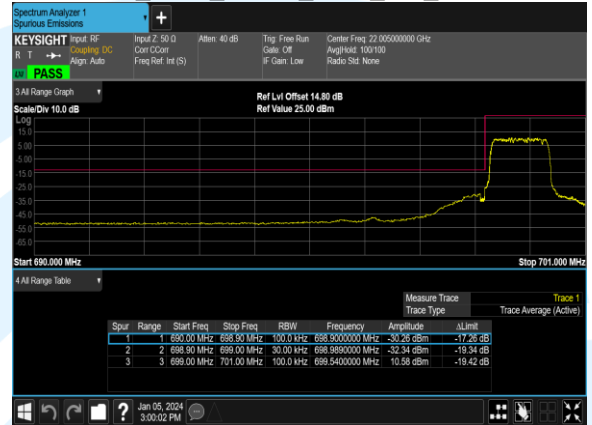
B12_3M_16QAM_15@0_CH_23165



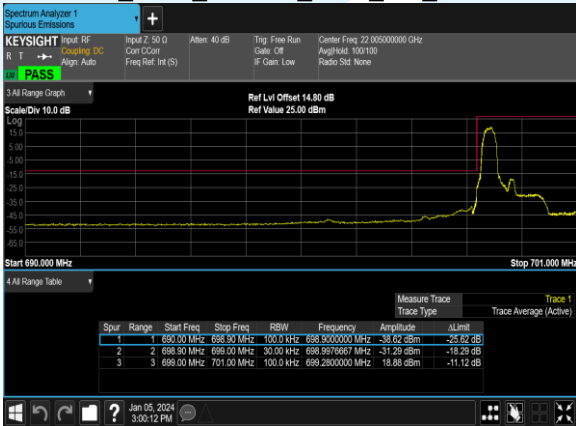
B12_1.4M_QPSK_1@0_CH_23017



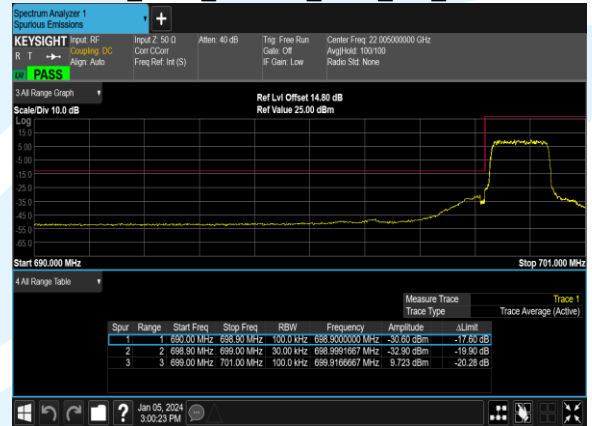
B12_1.4M_QPSK_6@0_CH_23017



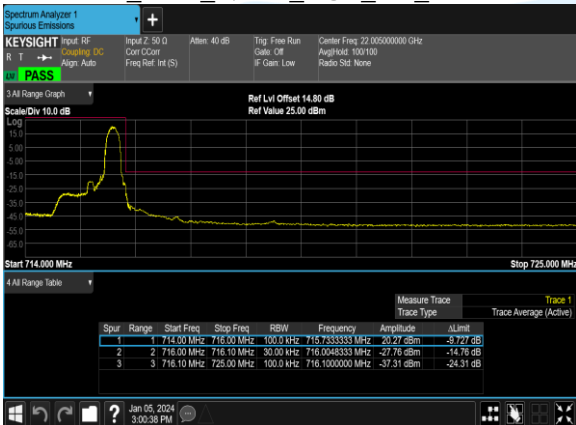
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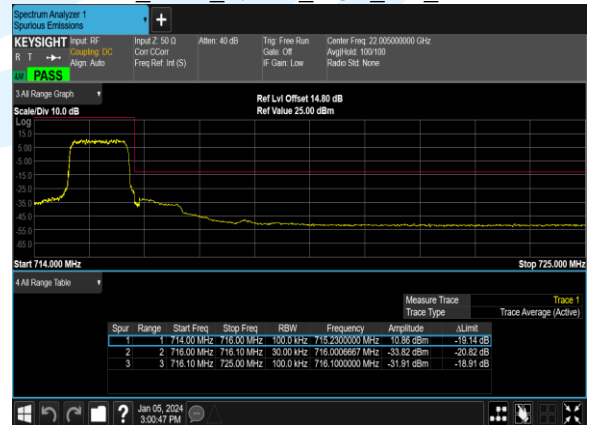
B12_1.4M_16QAM_6@0_CH_23017



B12_1.4M_QPSK_1@5_CH_23173



B12_1.4M_QPSK_6@0_CH_23173



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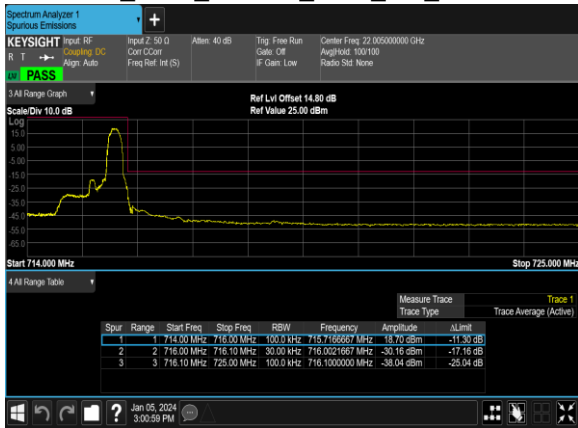
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B12_1.4M_16QAM_1@5_CH_23173



B12_1.4M_16QAM_6@0_CH_23173



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UTTR-RF-FCC4G-V1.1

A.6 LTE BAND 13

Peak to Average Ratio

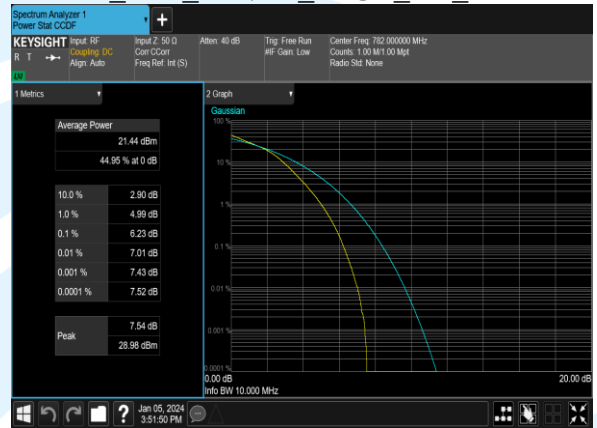
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
13	10.0	23230	782.0	QPSK	50@0	5.47	13	PASS
13	10.0	23230	782.0	16QAM	50@0	6.23	13	PASS
13	5.0	23205	779.5	QPSK	25@0	5.39	13	PASS
13	5.0	23205	779.5	16QAM	25@0	6.29	13	PASS
13	5.0	23230	782.0	QPSK	25@0	5.33	13	PASS
13	5.0	23230	782.0	16QAM	25@0	6.08	13	PASS
13	5.0	23255	784.5	QPSK	25@0	5.46	13	PASS
13	5.0	23255	784.5	16QAM	25@0	6.15	13	PASS

Test Graphs

B13_10M_QPSK_50@0_CH_23230



B13_10M_16QAM_50@0_CH_23230



B13_5M_QPSK_25@0_CH_23205



B13_5M_16QAM_25@0_CH_23205



B13_5M_QPSK_25@0_CH_23230



B13_5M_16QAM_25@0_CH_23230

