

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



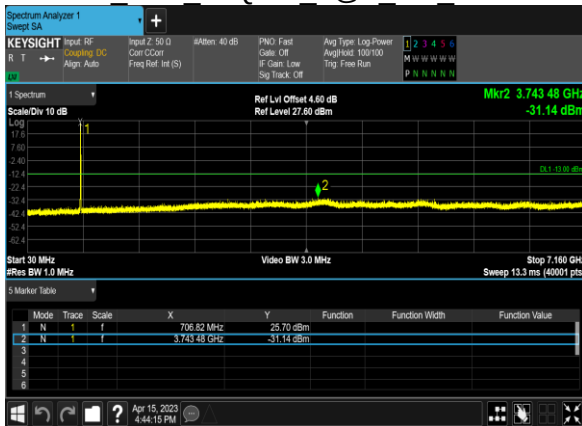
B12 10M 64QAM 1@0 CH 23060



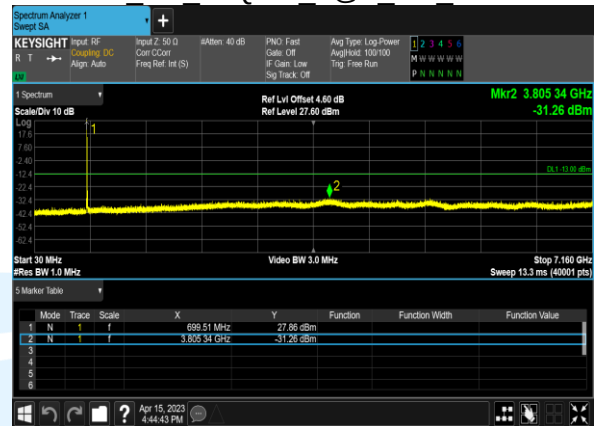
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B12_10M 64QAM 1@0 CH 23130



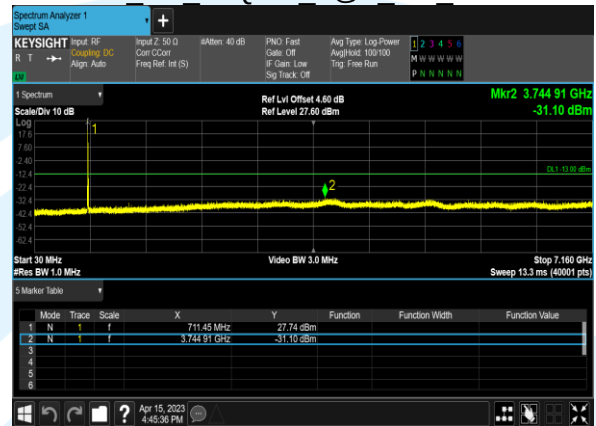
B12_5M 64QAM 1@0 CH 23035



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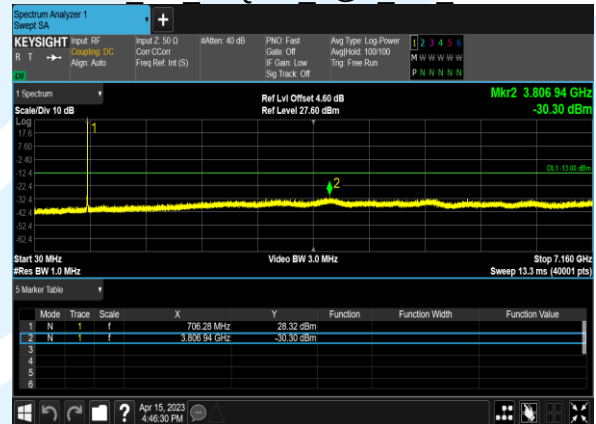
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B12_3M 64QAM 1@0 CH 23025



B12_3M 64QAM 1@0 CH 23095



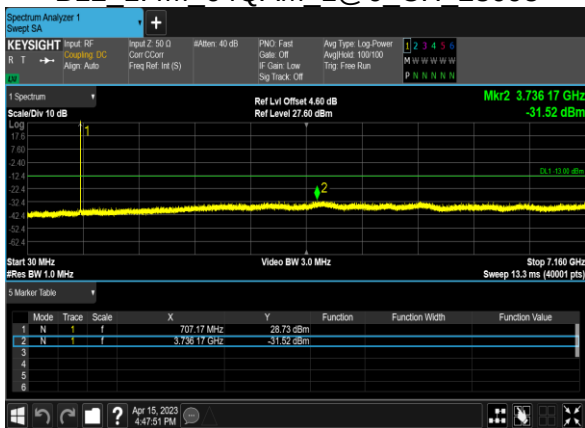
B12_3M 64QAM 1@0 CH 23165



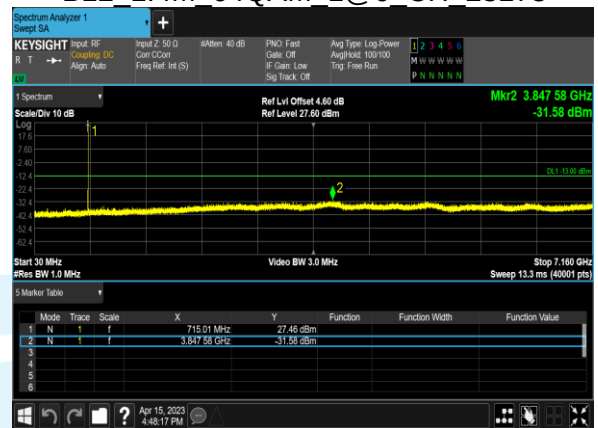
B12_1.4M 64QAM 1@0 CH 23017



B12 1.4M 64QAM 1@0 CH 23095



B12 1.4M 64QAM 1@0 CH 23173



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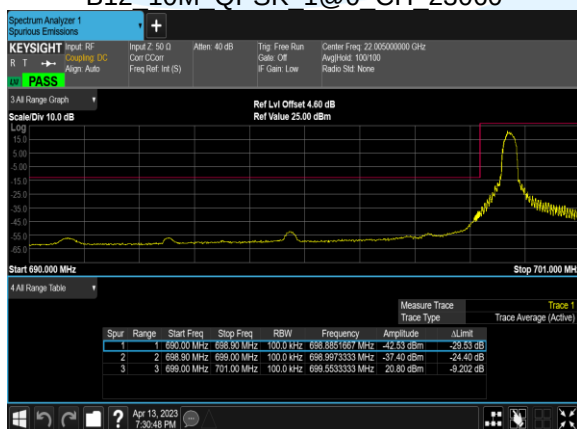
UTTR-RF-FCC4G-V1.1

Conducted Band Edge

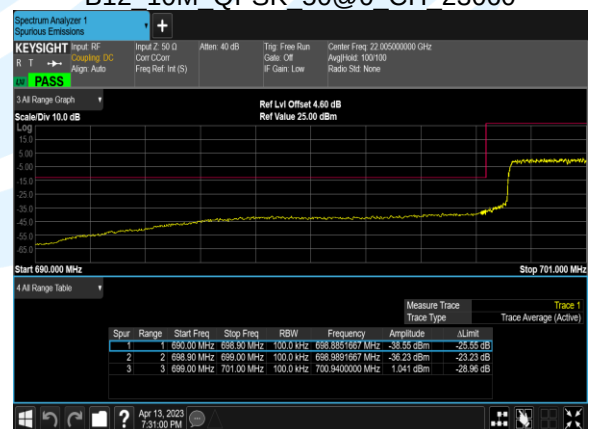
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
12	10.0	23060	704.0	QPSK	1@0	see graph	PASS
12	10.0	23060	704.0	QPSK	50@0	see graph	PASS
12	10.0	23060	704.0	16QAM	1@0	see graph	PASS
12	10.0	23060	704.0	16QAM	50@0	see graph	PASS
12	10.0	23130	711.0	QPSK	1@49	see graph	PASS
12	10.0	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
12	10.0	23060	704.0	64QAM	1@0	see graph	PASS
12	10.0	23060	704.0	64QAM	50@0	see graph	PASS
12	10.0	23130	711.0	64QAM	1@49	see graph	PASS
12	10.0	23130	711.0	64QAM	50@0	see graph	PASS
12	5.0	23035	701.5	64QAM	1@0	see graph	PASS
12	5.0	23035	701.5	64QAM	25@0	see graph	PASS
12	5.0	23155	713.5	64QAM	1@24	see graph	PASS
12	5.0	23155	713.5	64QAM	25@0	see graph	PASS
12	3.0	23025	700.5	64QAM	1@0	see graph	PASS
12	3.0	23025	700.5	64QAM	15@0	see graph	PASS
12	3.0	23165	714.5	64QAM	1@14	see graph	PASS
12	3.0	23165	714.5	64QAM	15@0	see graph	PASS
12	1.4	23017	699.7	64QAM	1@0	see graph	PASS
12	1.4	23017	699.7	64QAM	6@0	see graph	PASS
12	1.4	23173	715.3	64QAM	1@5	see graph	PASS
12	1.4	23173	715.3	64QAM	6@0	see graph	PASS

Test Graphs

B12 10M QPSK 1@0 CH 23060



B12 10M QPSK 50@0 CH 23060



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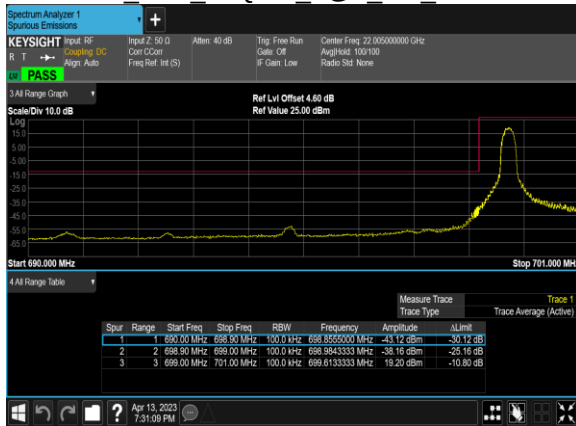
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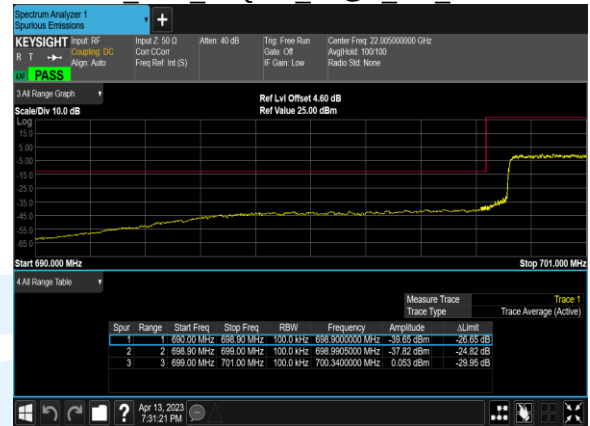
<http://www.uttlab.com>

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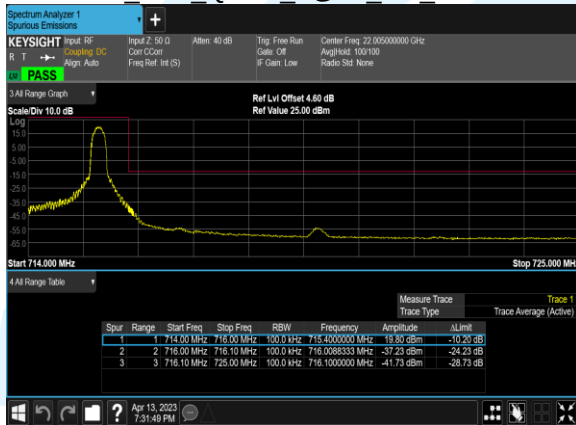
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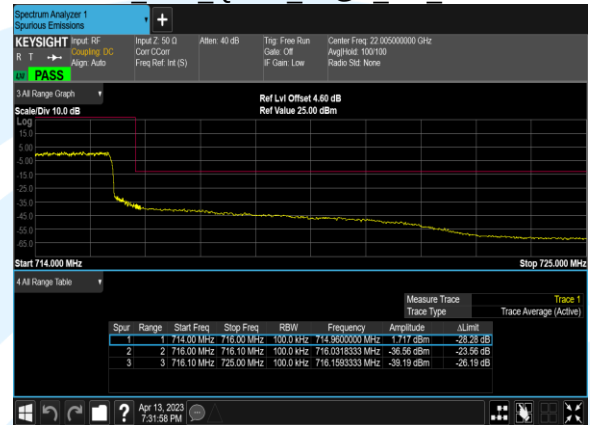
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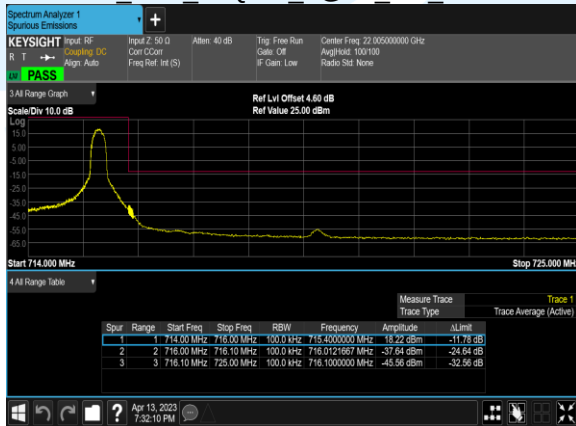
B12 10M QPSK 1@49 CH 23130



B12 10M QPSK 50@0 CH 23130



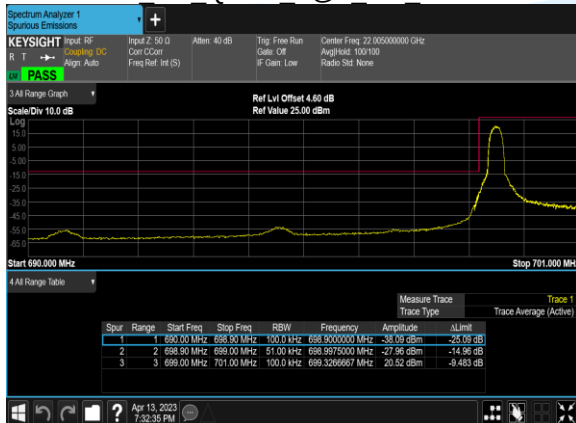
B12 10M 16QAM 1@49 CH 23130



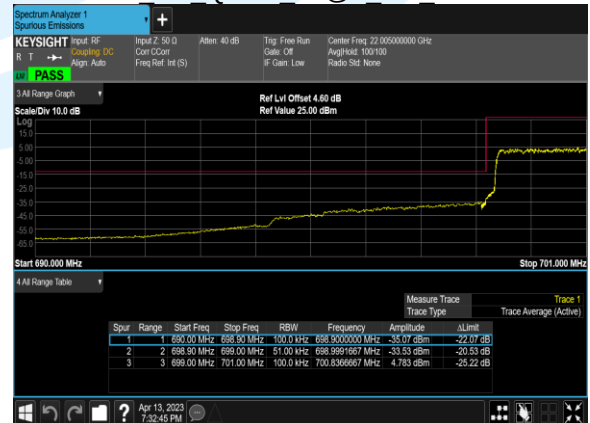
B12 10M 16QAM 50@0 CH 23130



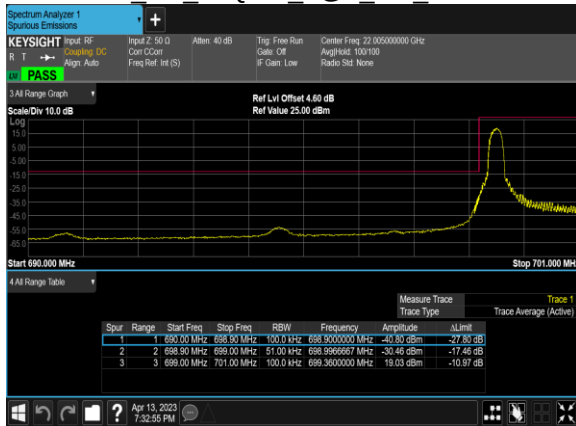
B12 5M QPSK 1@0 CH 23035



B12 5M QPSK 25@0 CH 23035



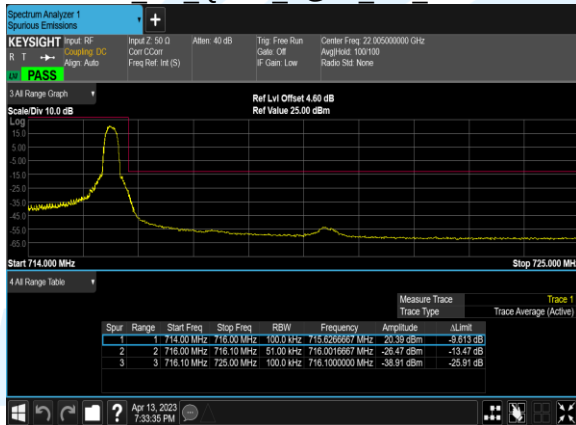
B12 5M 16QAM 1@0 CH 23035



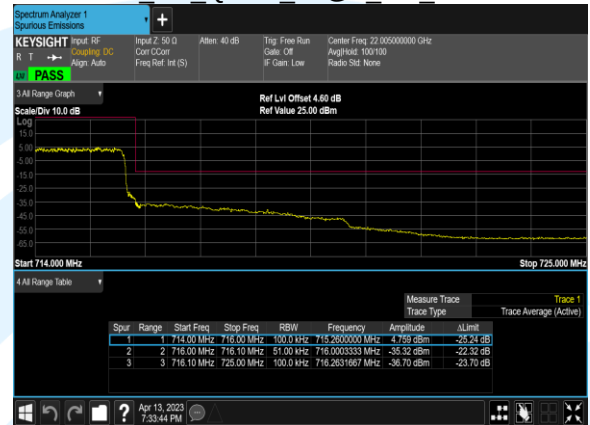
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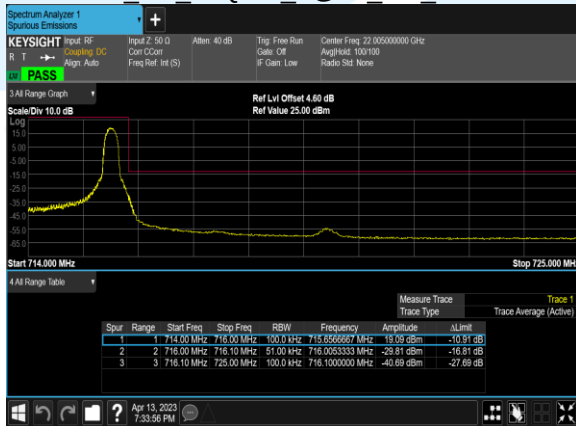
B12 5M QPSK 1@24 CH 23155



B12 5M QPSK 25@0 CH 23155



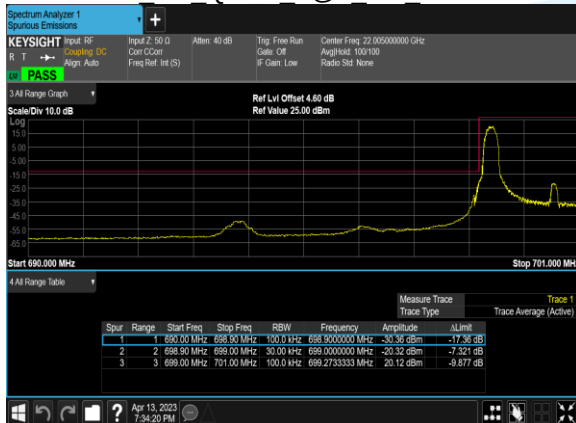
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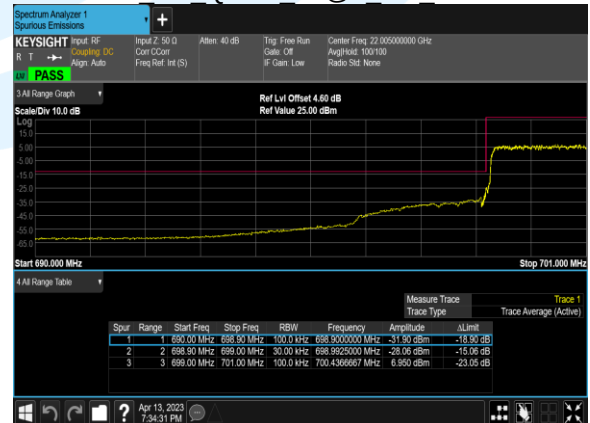
B12 5M 16QAM 25@0 CH 23155



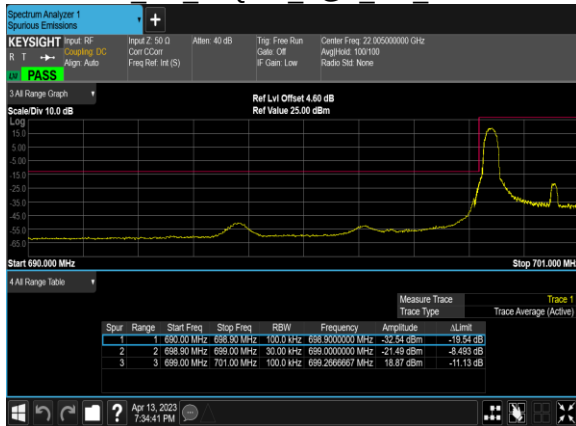
B12 3M QPSK 1@0 CH 23025



B12 3M QPSK 15@0 CH 23025



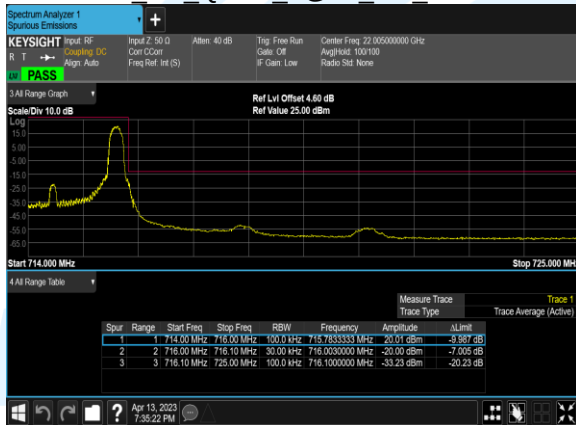
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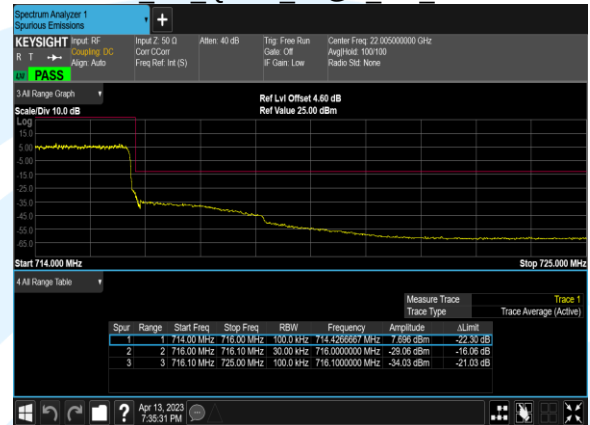
B12 3M 16QAM 15@0 CH 23025



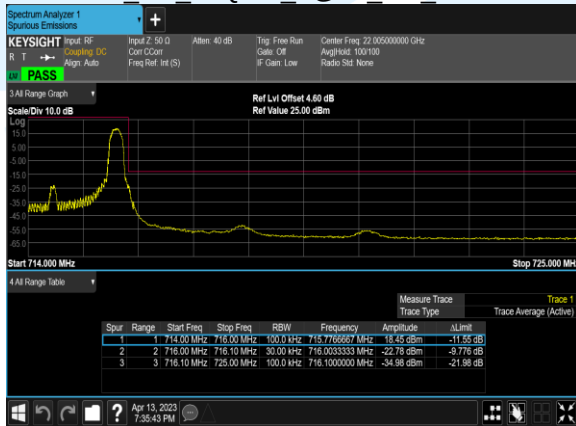
B12 3M QPSK 1@14 CH 23165



B12 3M QPSK 15@0 CH 23165



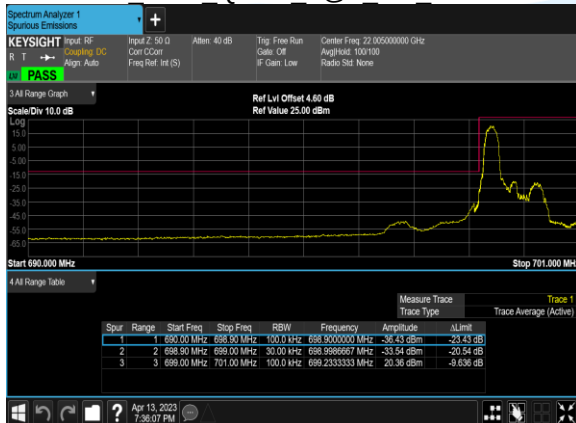
B12 3M 16QAM 1@14 CH 23165



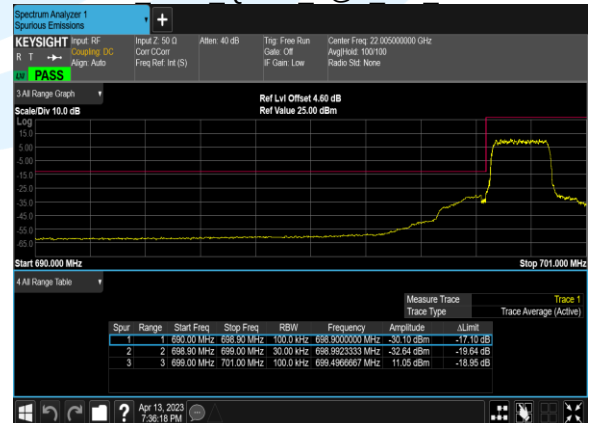
B12 3M 16QAM 15@0 CH 23165



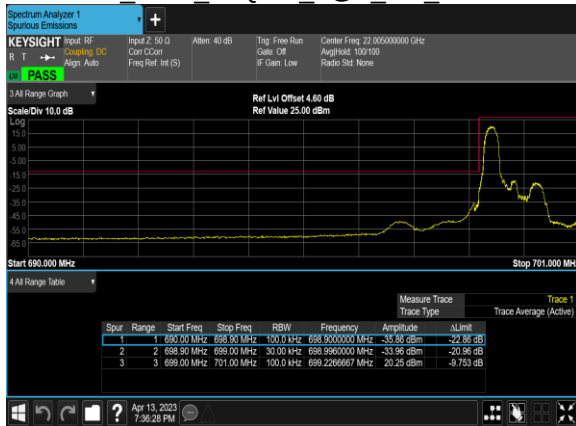
B12 1.4M QPSK 1@0 CH 23017



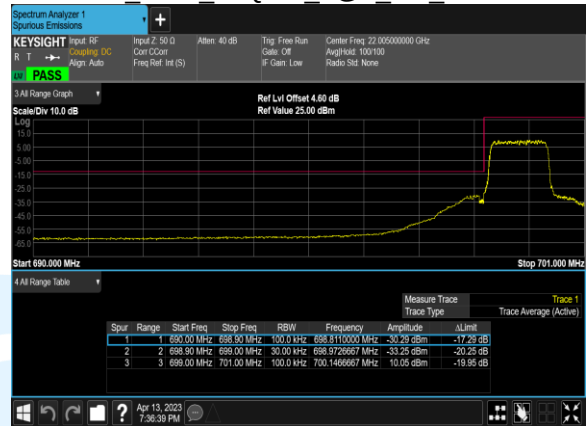
B12 1.4M QPSK 6@0 CH 23017



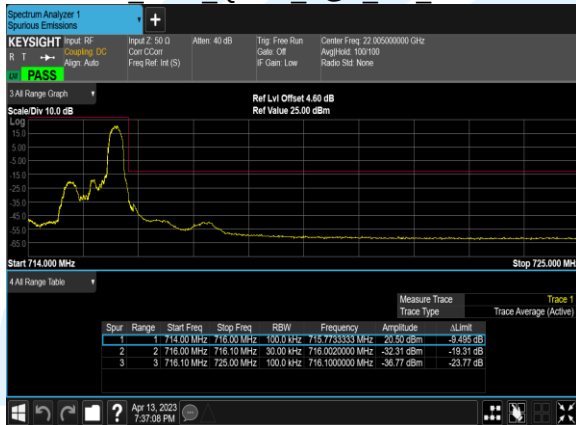
B12 1.4M 16QAM 1@0 CH 23017



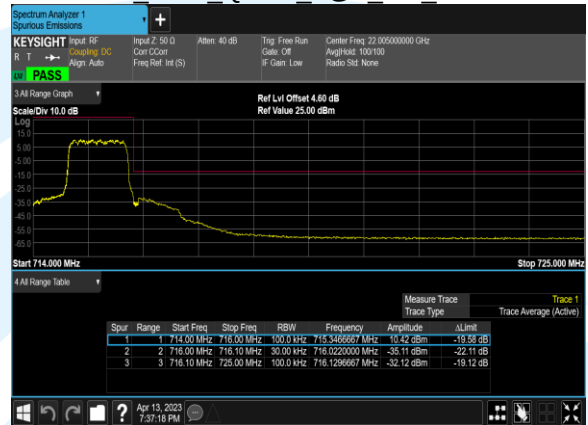
B12 1.4M 16QAM 6@0 CH 23017



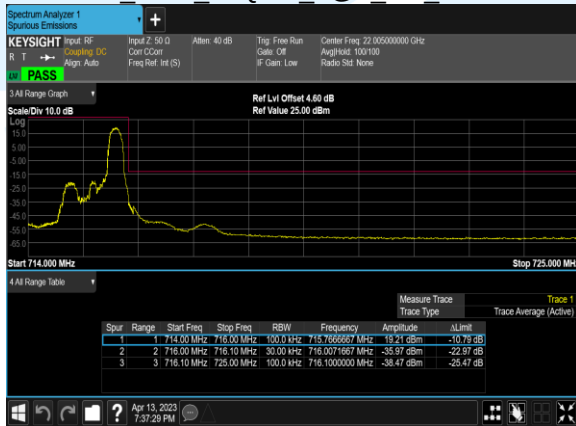
B12 1.4M QPSK 1@5 CH 23173



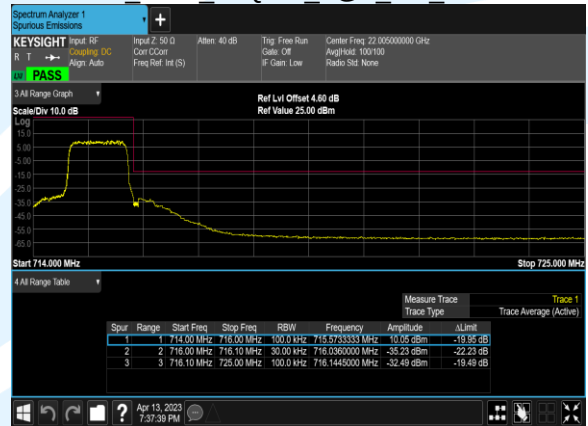
B12 1.4M QPSK 6@0 CH 23173



B12 1.4M 16QAM 1@5 CH 23173



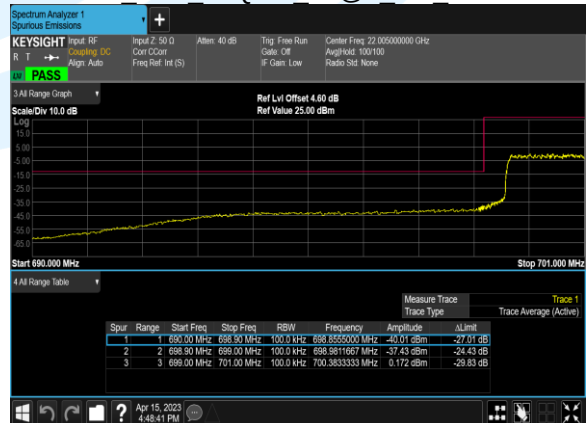
B12 1.4M 16QAM 6@0 CH 23173



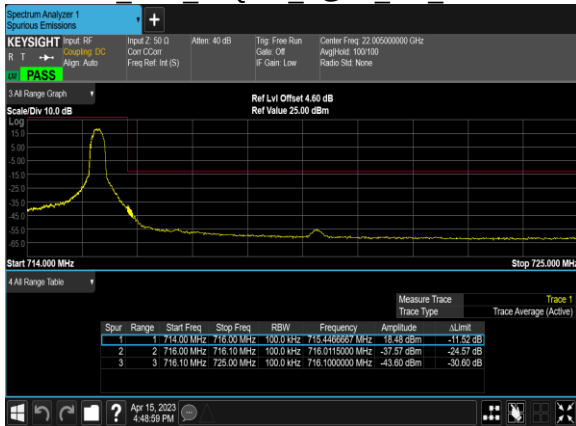
B12 10M 64QAM 1@0 CH 23060



B12 10M 64QAM 50@0 CH 23060



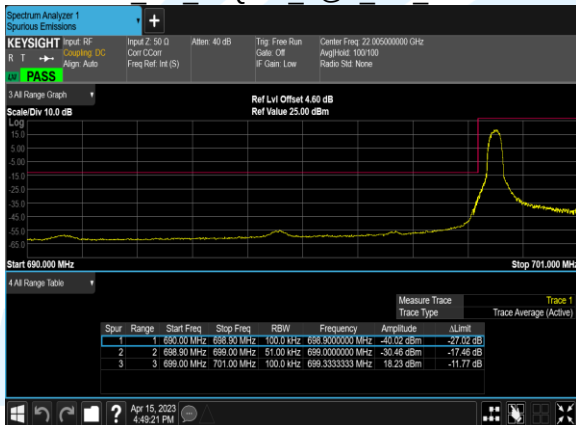
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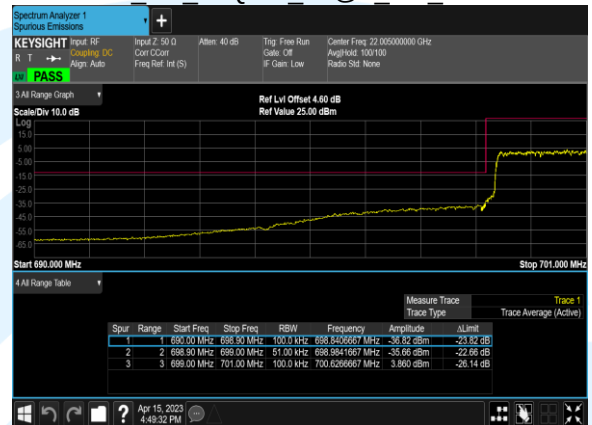
B12 10M 64QAM 50@0 CH 23130



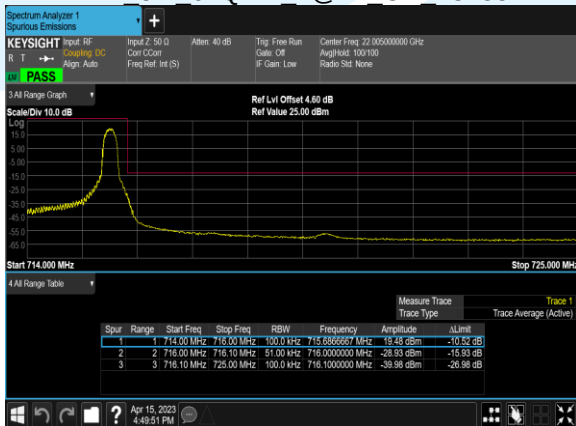
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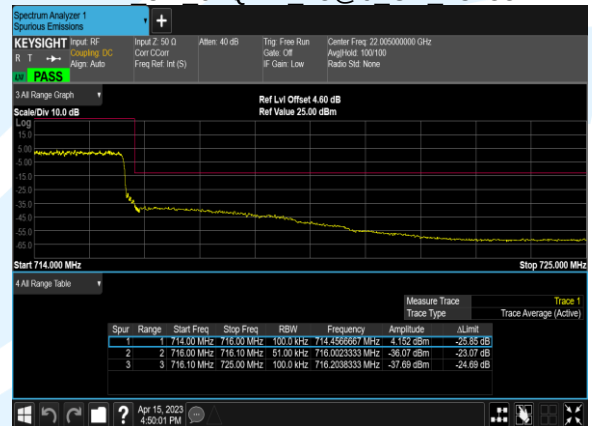
B12 5M 64QAM 25@0 CH 23035



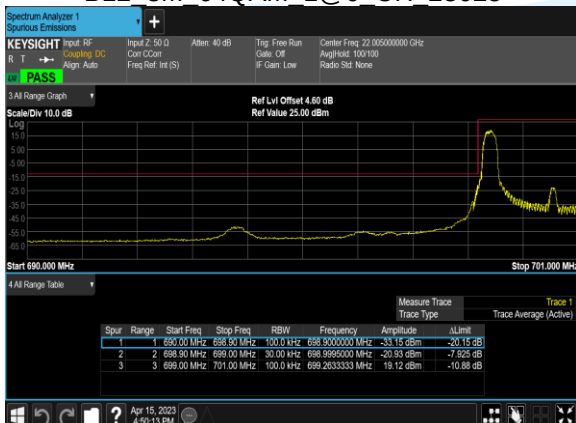
B12 5M 64QAM 1@24 CH 23155



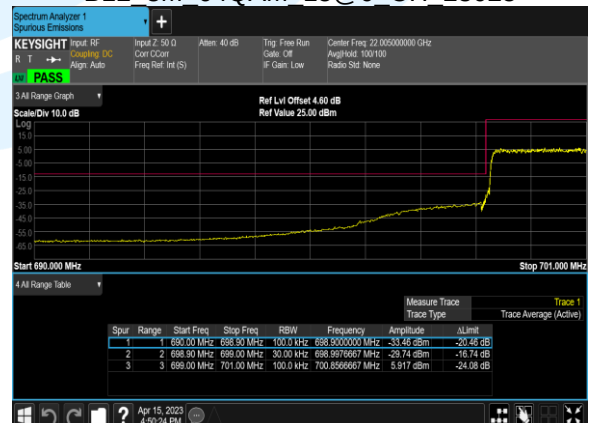
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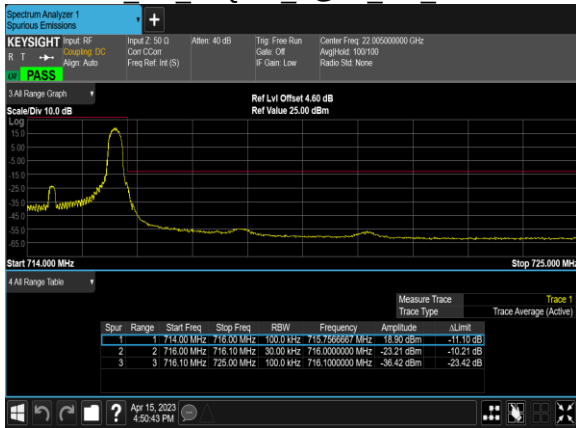
B12 3M 64QAM 1@0 CH 23025



B12 3M 64QAM 15@0 CH 23025



B12 3M 64QAM 1@14 CH 23165



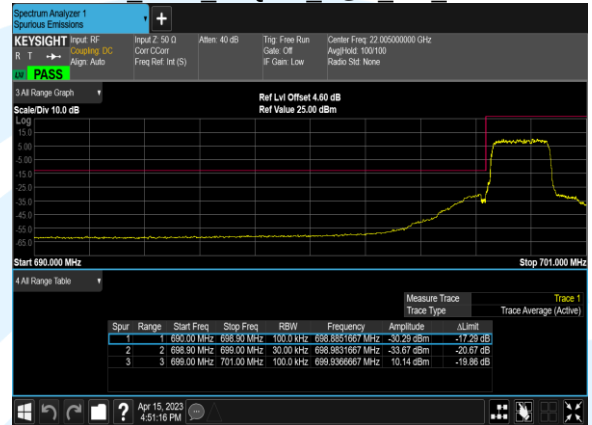
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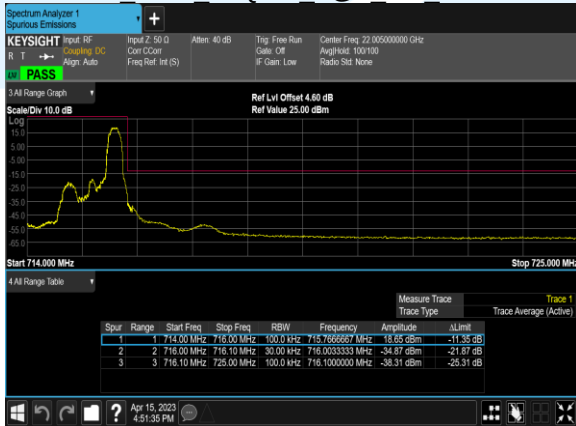
B12 1.4M 64QAM 1@0 CH 23017



B12 1.4M 64QAM 6@0 CH 23017



B12 1.4M 64QAM 1@5 CH 23173



B12 1.4M 64QAM 6@0 CH 23173



A.6 LTE BAND 17

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
17	10.0	23780	709.0	QPSK	50@0	5.68	13	PASS
17	10.0	23780	709.0	16QAM	50@0	6.36	13	PASS
17	10.0	23790	710.0	QPSK	50@0	5.73	13	PASS
17	10.0	23790	710.0	16QAM	50@0	6.43	13	PASS
17	10.0	23800	711.0	QPSK	50@0	5.72	13	PASS
17	10.0	23800	711.0	16QAM	50@0	6.41	13	PASS
17	5.0	23755	706.5	QPSK	25@0	5.59	13	PASS
17	5.0	23755	706.5	16QAM	25@0	6.22	13	PASS
17	5.0	23790	710.0	QPSK	25@0	5.70	13	PASS
17	5.0	23790	710.0	16QAM	25@0	6.36	13	PASS
17	5.0	23825	713.5	QPSK	25@0	5.66	13	PASS
17	5.0	23825	713.5	16QAM	25@0	6.32	13	PASS
17	10.0	23780	709.0	64QAM	50@0	6.33	13	PASS
17	10.0	23790	710.0	64QAM	50@0	6.38	13	PASS
17	10.0	23800	711.0	64QAM	50@0	6.41	13	PASS
17	5.0	23755	706.5	64QAM	25@0	6.24	13	PASS
17	5.0	23790	710.0	64QAM	25@0	6.31	13	PASS
17	5.0	23825	713.5	64QAM	25@0	6.36	13	PASS

Test Graphs

B17_10M_QPSK_50@0_CH_23780



B17_10M_16QAM_50@0_CH_23780



B17_10M_QPSK_50@0_CH_23790



B17_10M_16QAM_50@0_CH_23790

