

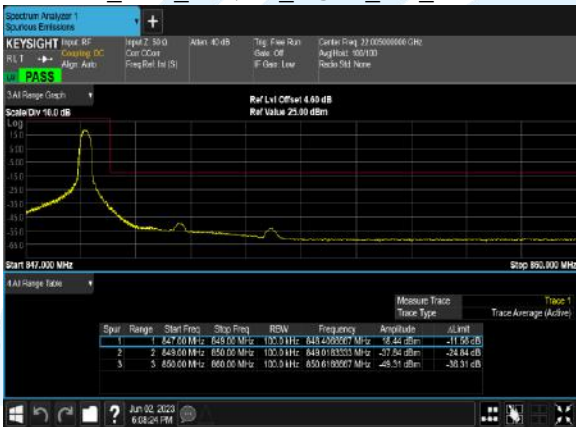
B5_10M_QPSK_1@49_CH_20600



B5_10M_QPSK_50@0_CH_20600



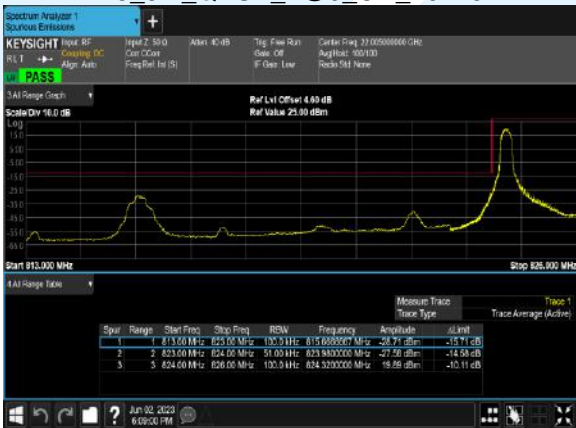
B5_10M_16QAM_1@49_CH_20600



B5_10M_16QAM_50@0_CH_20600



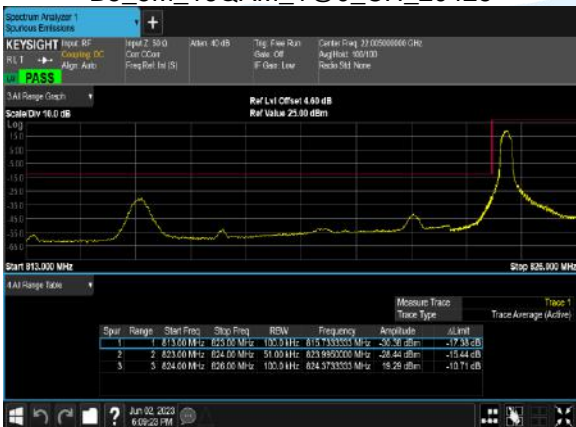
B5_5M_QPSK_1@0_CH_20425



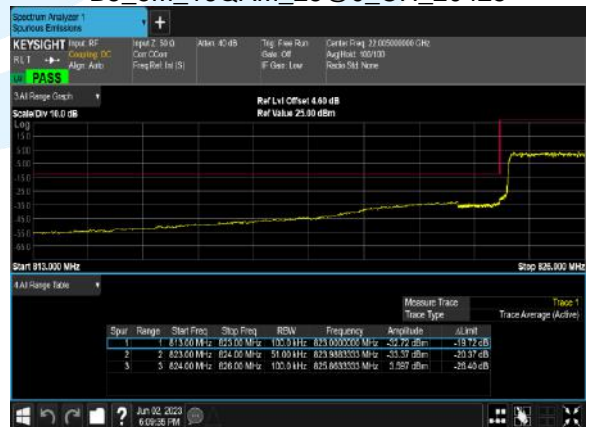
B5_5M_QPSK_25@0_CH_20425



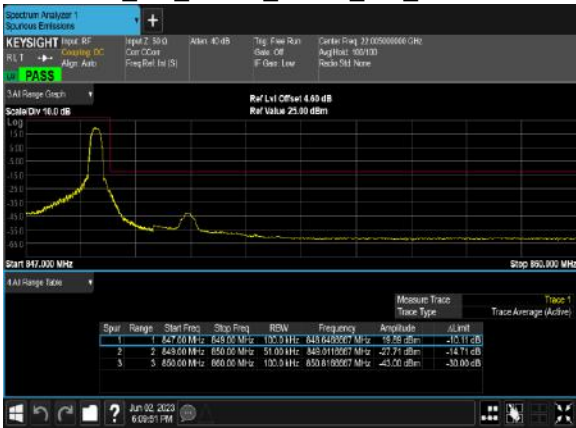
B5_5M_16QAM_1@0_CH_20425



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



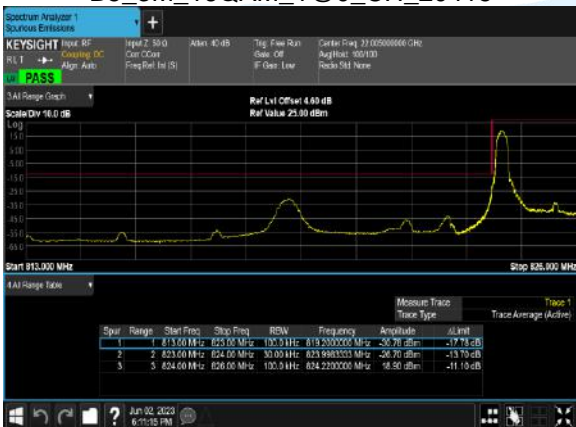
B5_3M_QPSK_1@0_CH_20415



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



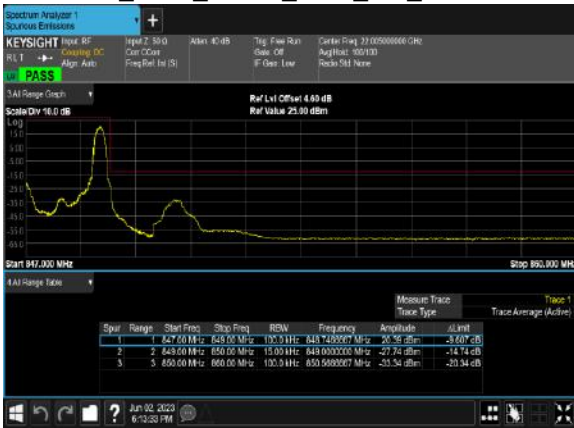
B5_1.4M_16QAM_1@0_CH_20407



B5_1.4M_16QAM_6@0_CH_20407



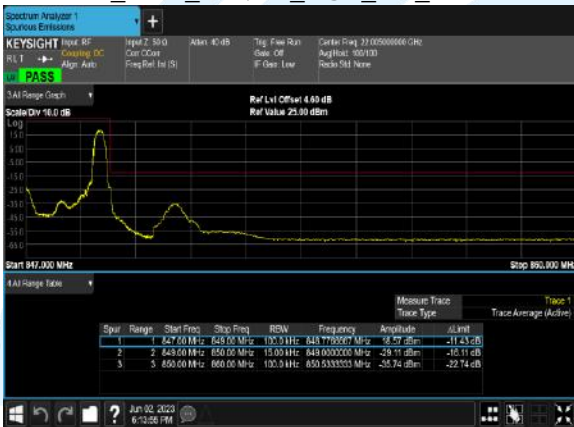
B5_1.4M_QPSK_1@5_CH_20643



B5_1.4M_QPSK_6@0_CH_20643



B5_1.4M_16QAM_1@5_CH_20643



B5_1.4M_16QAM_6@0_CH_20643



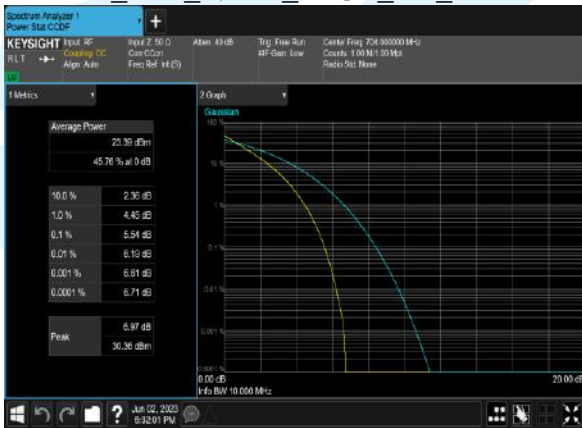
A.4 LTE BAND 12

Peak to Average Ratio

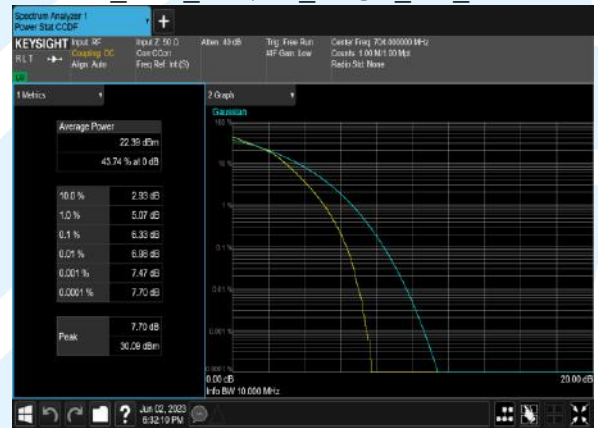
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
12	10.0	23060	704.0	QPSK	50@0	5.54	13	PASS
12	10.0	23060	704.0	16QAM	50@0	6.33	13	PASS
12	10.0	23095	707.5	QPSK	50@0	5.41	13	PASS
12	10.0	23095	707.5	16QAM	50@0	6.22	13	PASS
12	10.0	23130	711.0	QPSK	50@0	5.42	13	PASS
12	10.0	23130	711.0	16QAM	50@0	6.22	13	PASS
12	5.0	23035	701.5	QPSK	25@0	5.64	13	PASS
12	5.0	23035	701.5	16QAM	25@0	6.35	13	PASS
12	5.0	23095	707.5	QPSK	25@0	5.34	13	PASS
12	5.0	23095	707.5	16QAM	25@0	6.09	13	PASS
12	5.0	23155	713.5	QPSK	25@0	5.42	13	PASS
12	5.0	23155	713.5	16QAM	25@0	6.22	13	PASS
12	3.0	23025	700.5	QPSK	15@0	5.58	13	PASS
12	3.0	23025	700.5	16QAM	15@0	6.37	13	PASS
12	3.0	23095	707.5	QPSK	15@0	5.28	13	PASS
12	3.0	23095	707.5	16QAM	15@0	6.08	13	PASS
12	3.0	23165	714.5	QPSK	15@0	5.22	13	PASS
12	3.0	23165	714.5	16QAM	15@0	6.12	13	PASS
12	1.4	23017	699.7	QPSK	6@0	5.45	13	PASS
12	1.4	23017	699.7	16QAM	6@0	6.29	13	PASS
12	1.4	23095	707.5	QPSK	6@0	5.09	13	PASS
12	1.4	23095	707.5	16QAM	6@0	5.97	13	PASS
12	1.4	23173	715.3	QPSK	6@0	4.84	13	PASS
12	1.4	23173	715.3	16QAM	6@0	5.76	13	PASS

Test Graphs

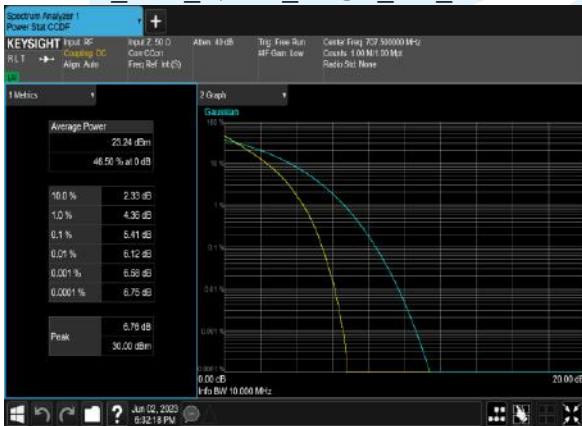
B12_10M_QPSK_50@0_CH_23060



B12_10M_16QAM_50@0_CH_23060



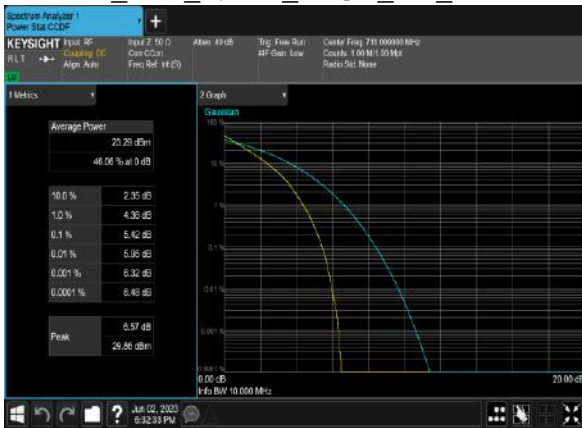
B12_10M_QPSK_50@0_CH_23095



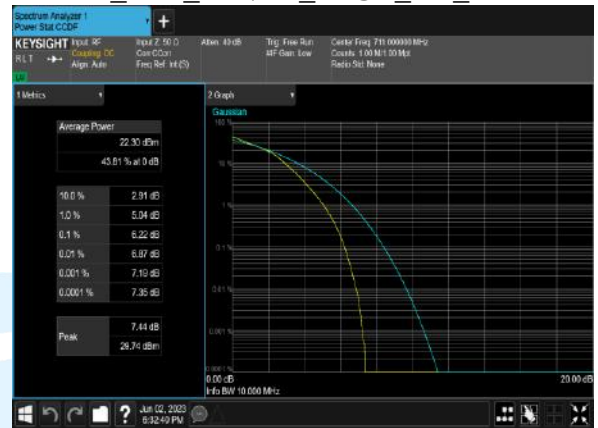
B12_10M_16QAM_50@0_CH_23095



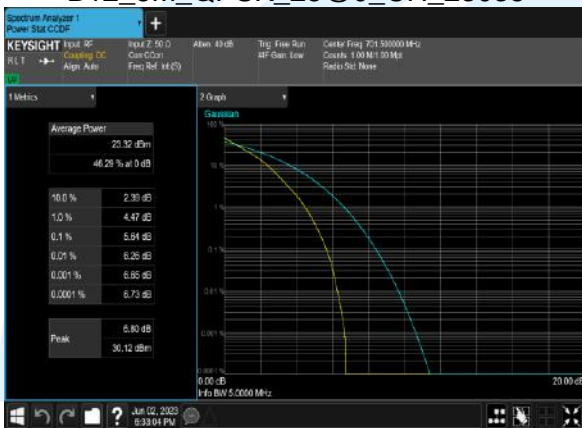
B12_10M_QPSK_50@0_CH_23130



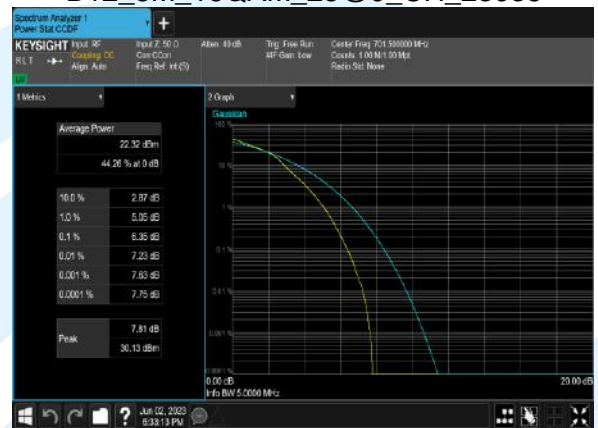
B12_10M_16QAM_50@0_CH_23130



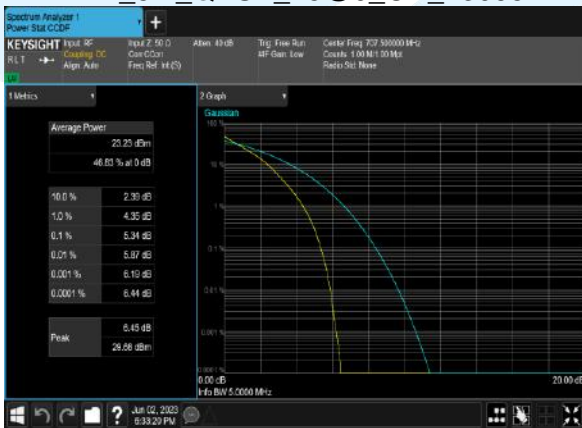
B12_5M_QPSK_25@0_CH_23035



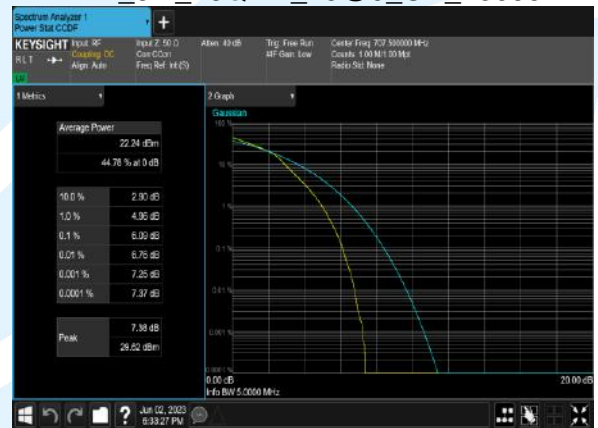
B12_5M_16QAM_25@0_CH_23035



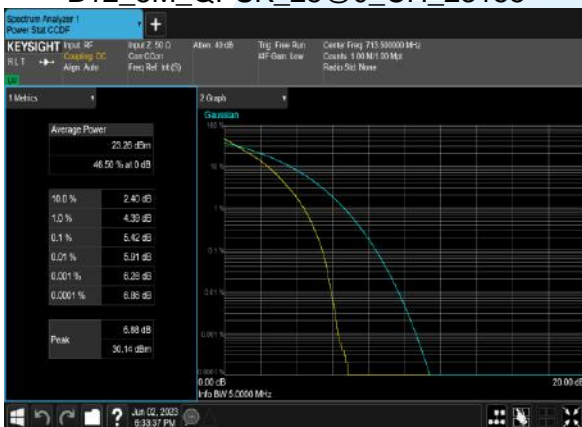
B12_5M_QPSK_25@0_CH_23095



B12_5M_16QAM_25@0_CH_23095



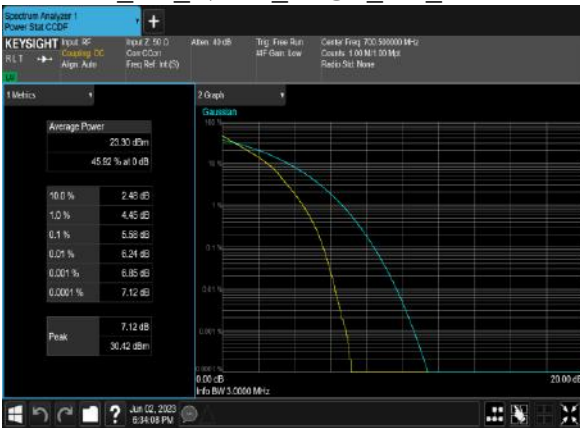
B12_5M_QPSK_25@0_CH_23155



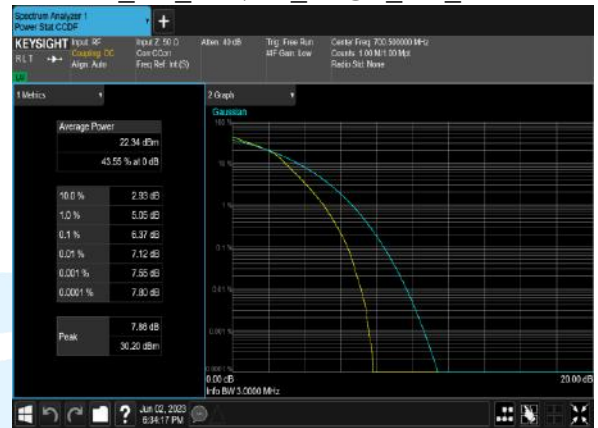
B12_5M_16QAM_25@0_CH_23155



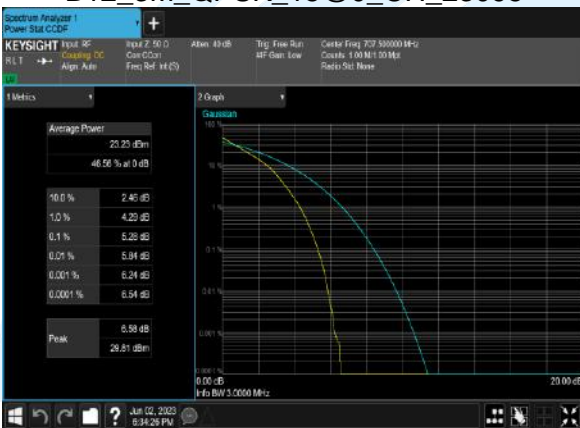
B12_3M_QPSK_15@0_CH_23025



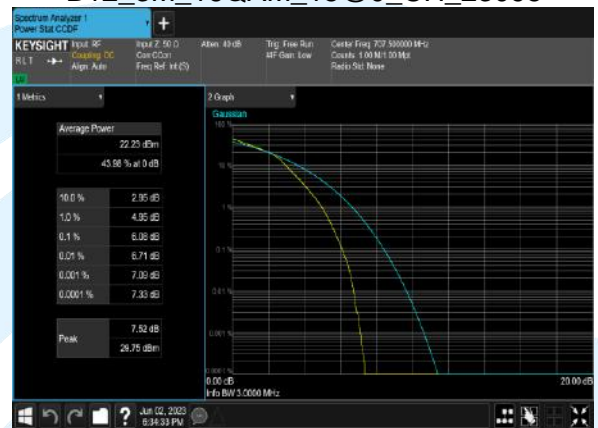
B12_3M_16QAM_15@0_CH_23025



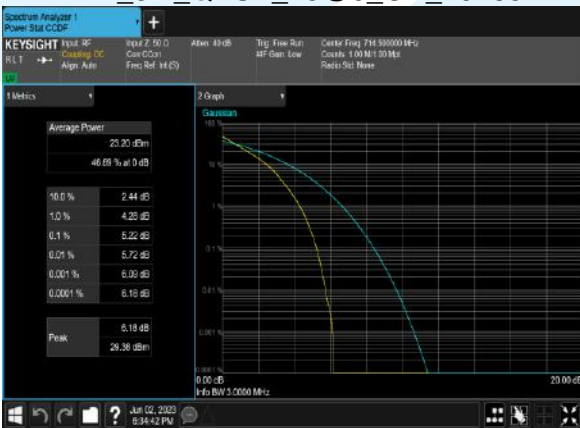
B12_3M_QPSK_15@0_CH_23095



B12_3M_16QAM_15@0_CH_23095



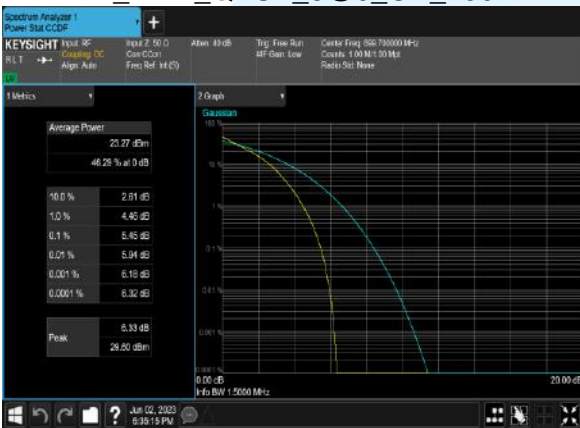
B12_3M_QPSK_15@0_CH_23165



B12_3M_16QAM_15@0_CH_23165



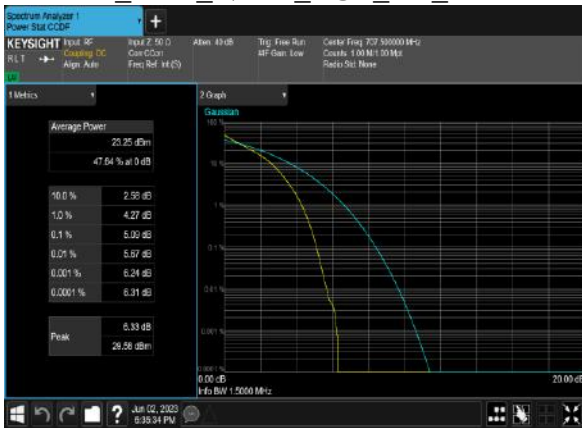
B12_1.4M_QPSK_6@0_CH_23017



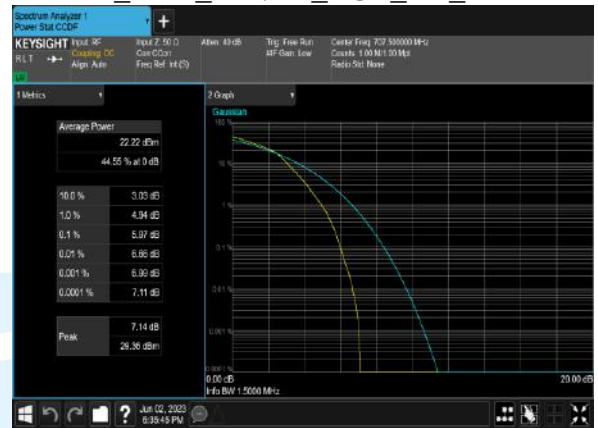
B12_1.4M_16QAM_6@0_CH_23017



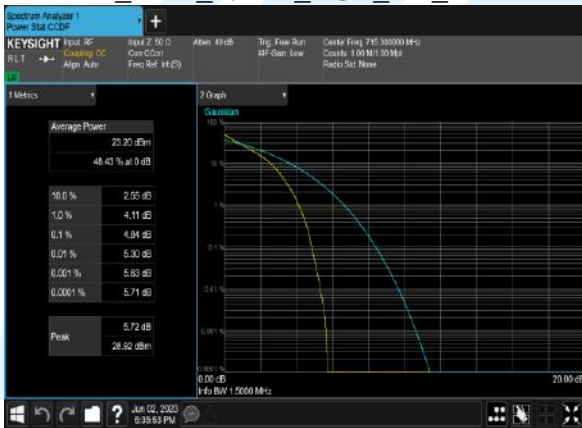
B12_1.4M_QPSK_6@0_CH_23095



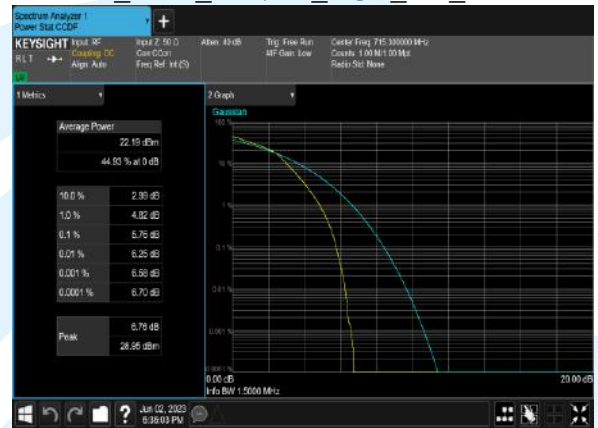
B12_1.4M_16QAM_6@0_CH_23095



B12_1.4M_QPSK_6@0_CH_23173



B12_1.4M_16QAM_6@0_CH_23173



Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
12	10.0	23060	704.0	QPSK	50@0	8.9571	9.650
12	10.0	23060	704.0	16QAM	50@0	8.9536	9.752
12	10.0	23095	707.5	QPSK	50@0	8.9410	9.545
12	10.0	23095	707.5	16QAM	50@0	8.9352	9.501
12	10.0	23130	711.0	QPSK	50@0	8.9416	9.945
12	10.0	23130	711.0	16QAM	50@0	8.9621	9.675
12	5.0	23035	701.5	QPSK	25@0	4.4649	4.951
12	5.0	23035	701.5	16QAM	25@0	4.4723	5.048
12	5.0	23095	707.5	QPSK	25@0	4.4672	5.004
12	5.0	23095	707.5	16QAM	25@0	4.4662	4.858
12	5.0	23155	713.5	QPSK	25@0	4.4747	4.960
12	5.0	23155	713.5	16QAM	25@0	4.4660	5.019
12	3.0	23025	700.5	QPSK	15@0	2.6811	2.847
12	3.0	23025	700.5	16QAM	15@0	2.6787	2.828
12	3.0	23095	707.5	QPSK	15@0	2.6717	2.875
12	3.0	23095	707.5	16QAM	15@0	2.6664	2.823
12	3.0	23165	714.5	QPSK	15@0	2.6830	2.840
12	3.0	23165	714.5	16QAM	15@0	2.6726	2.849
12	1.4	23017	699.7	QPSK	6@0	1.0774	1.218
12	1.4	23017	699.7	16QAM	6@0	1.0785	1.227
12	1.4	23095	707.5	QPSK	6@0	1.0761	1.232
12	1.4	23095	707.5	16QAM	6@0	1.0773	1.251
12	1.4	23173	715.3	QPSK	6@0	1.0800	1.238
12	1.4	23173	715.3	16QAM	6@0	1.0760	1.218

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



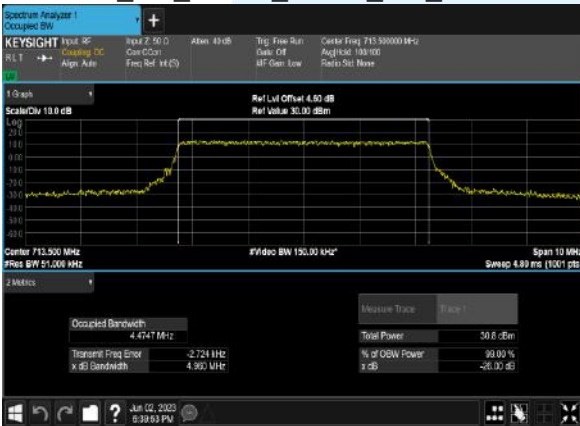
B12_5M_QPSK_25@0_CH_23095



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



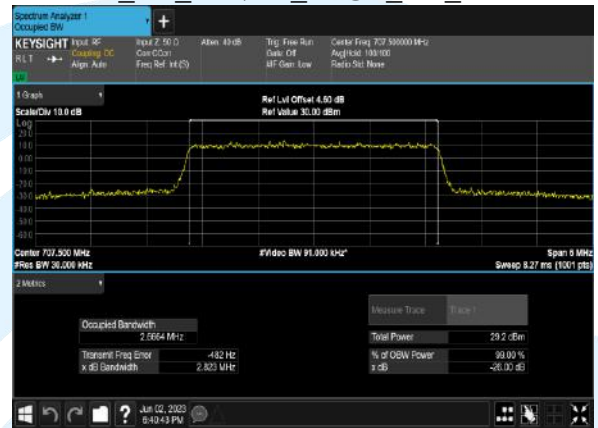
B12_3M_16QAM_15@0_CH_23025



B12_3M_QPSK_15@0_CH_23095



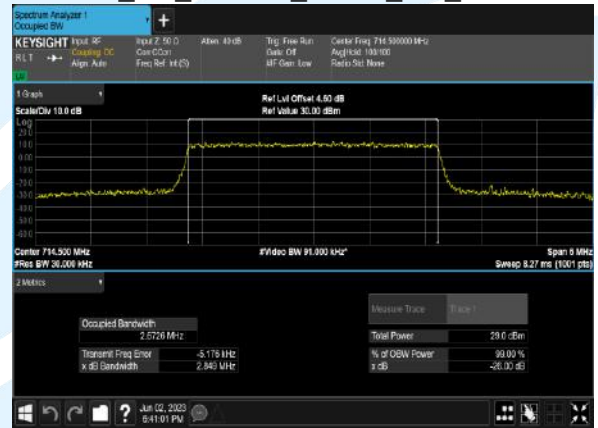
B12_3M_16QAM_15@0_CH_23095



B12_3M_QPSK_15@0_CH_23165



B12_3M_16QAM_15@0_CH_23165



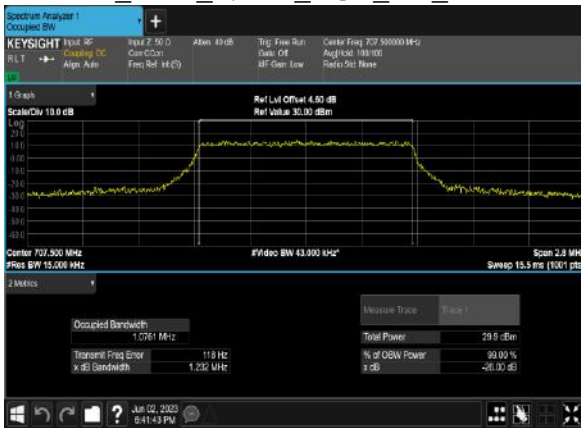
B12_1.4M_QPSK_6@0_CH_23017



B12_1.4M_16QAM_6@0_CH_23017



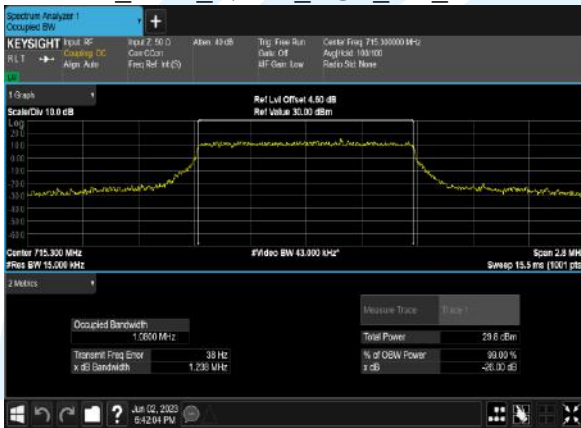
B12_1.4M_QPSK_6@0_CH_23095



B12_1.4M_16QAM_6@0_CH_23095



B12_1.4M_QPSK_6@0_CH_23173



B12_1.4M_16QAM_6@0_CH_23173



Conducted Spurious Emissions

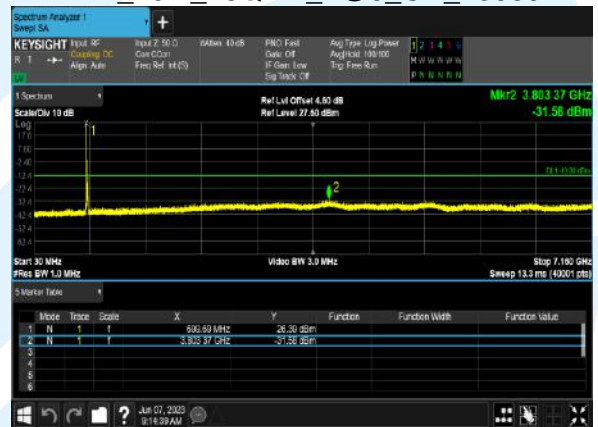
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
12	10.0	23060	704.0	QPSK	1@0	-31.66	-13	PASS
12	10.0	23060	704.0	16QAM	1@0	-31.58	-13	PASS
12	10.0	23095	707.5	QPSK	1@0	-31.48	-13	PASS
12	10.0	23095	707.5	16QAM	1@0	-32.04	-13	PASS
12	10.0	23130	711.0	QPSK	1@0	-31.43	-13	PASS
12	10.0	23130	711.0	16QAM	1@0	-30.23	-13	PASS
12	5.0	23035	701.5	QPSK	1@0	-31.56	-13	PASS
12	5.0	23035	701.5	16QAM	1@0	-31.1	-13	PASS
12	5.0	23095	707.5	QPSK	1@0	-31.72	-13	PASS
12	5.0	23095	707.5	16QAM	1@0	-30.46	-13	PASS
12	5.0	23155	713.5	QPSK	1@0	-31.61	-13	PASS
12	5.0	23155	713.5	16QAM	1@0	-31.87	-13	PASS
12	3.0	23025	700.5	QPSK	1@0	-31.06	-13	PASS
12	3.0	23025	700.5	16QAM	1@0	-31.22	-13	PASS
12	3.0	23095	707.5	QPSK	1@0	-31.74	-13	PASS
12	3.0	23095	707.5	16QAM	1@0	-31.44	-13	PASS
12	3.0	23165	714.5	QPSK	1@0	-31.5	-13	PASS
12	3.0	23165	714.5	16QAM	1@0	-31.55	-13	PASS
12	1.4	23017	699.7	QPSK	1@0	-31.62	-13	PASS
12	1.4	23017	699.7	16QAM	1@0	-30.51	-13	PASS
12	1.4	23095	707.5	QPSK	1@0	-31.13	-13	PASS
12	1.4	23095	707.5	16QAM	1@0	-31.36	-13	PASS
12	1.4	23173	715.3	QPSK	1@0	-30.94	-13	PASS
12	1.4	23173	715.3	16QAM	1@0	-30.96	-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



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UTTR-RF-FCC4G-V1.1

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

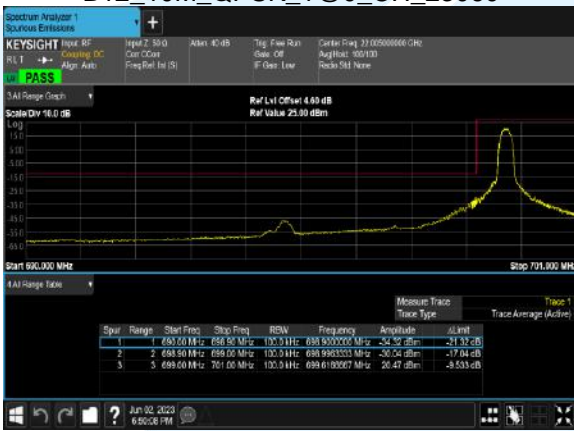


Conducted Band Edge

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



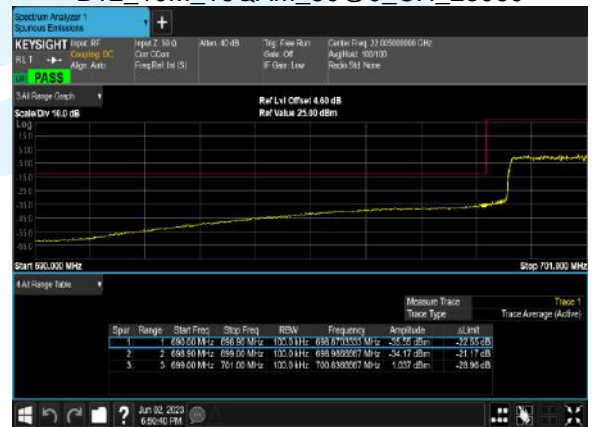
B12_10M_QPSK_50@0_CH_23060



B12_10M_16QAM_1@0_CH_23060



B12_10M_16QAM_50@0_CH_23060



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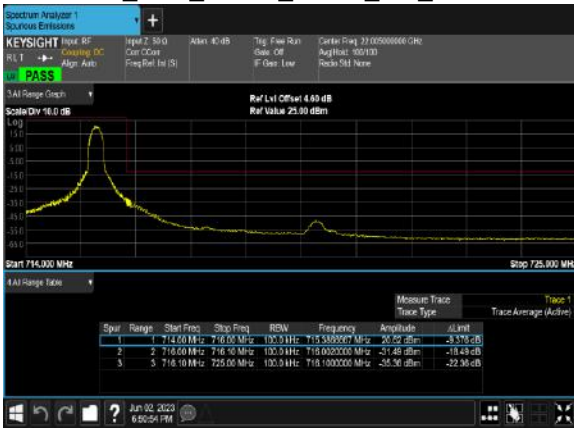
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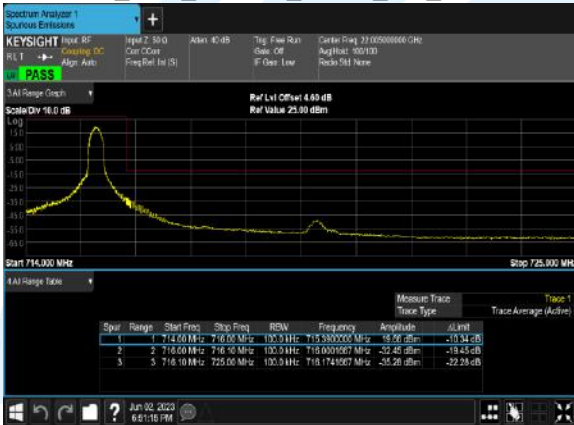
B12_10M_QPSK_1@49_CH_23130



B12_10M_QPSK_50@0_CH_23130



B12_10M_16QAM_1@49_CH_23130



B12_10M_16QAM_50@0_CH_23130



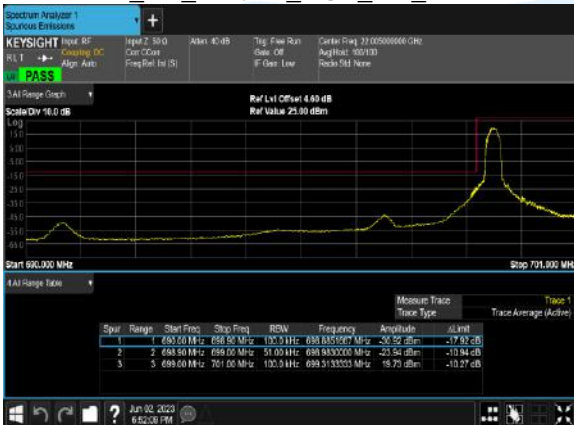
B12_5M_QPSK_1@0_CH_23035



B12_5M_QPSK_25@0_CH_23035



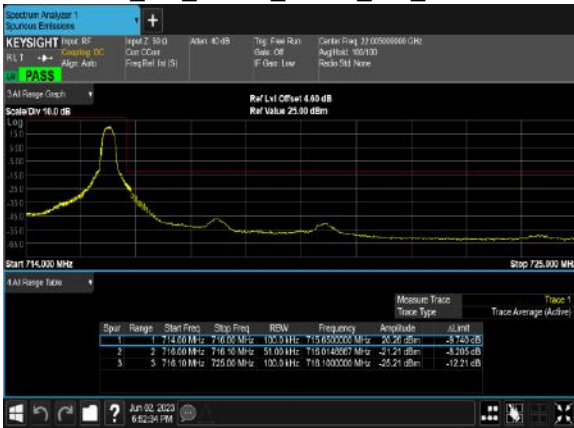
B12_5M_16QAM_1@0_CH_23035



B12_5M_16QAM_25@0_CH_23035



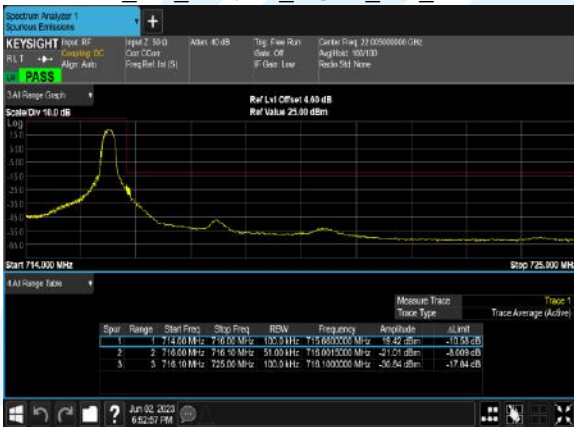
B12_5M_QPSK_1@24_CH_23155



B12_5M_QPSK_25@0_CH_23155



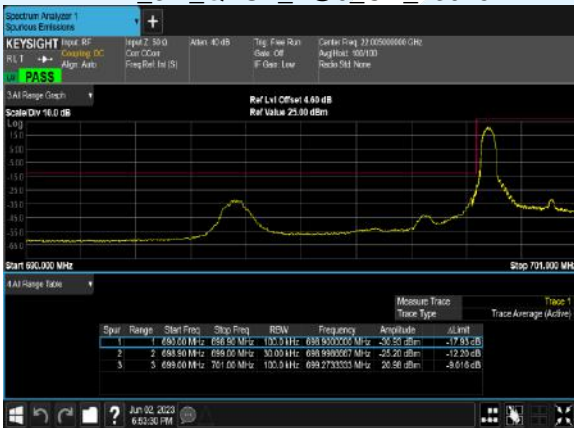
B12_5M_16QAM_1@24_CH_23155



B12_5M_16QAM_25@0_CH_23155



B12_3M_QPSK_1@0_CH_23025



B12_3M_QPSK_15@0_CH_23025



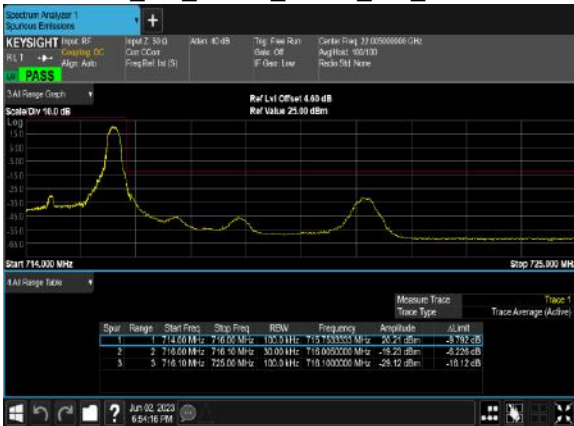
B12_3M_16QAM_1@0_CH_23025



B12_3M_16QAM_15@0_CH_23025



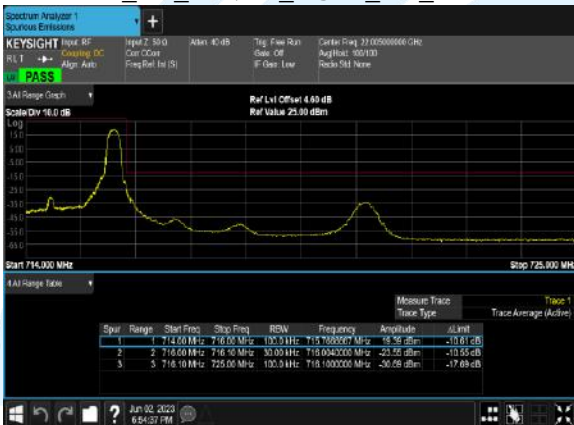
B12_3M_QPSK_1@14_CH_23165



B12_3M_QPSK_15@0_CH_23165



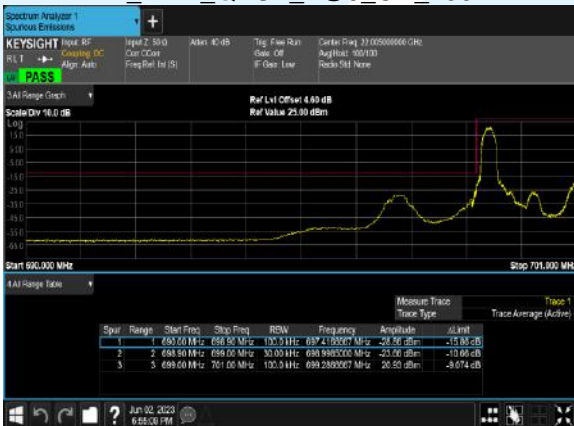
B12_3M_16QAM_1@14_CH_23165



B12_3M_16QAM_15@0_CH_23165



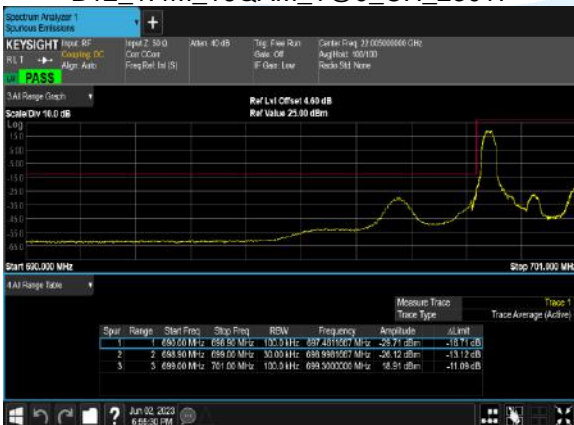
B12_1.4M_QPSK_1@0_CH_23017



B12_1.4M_QPSK_6@0_CH_23017



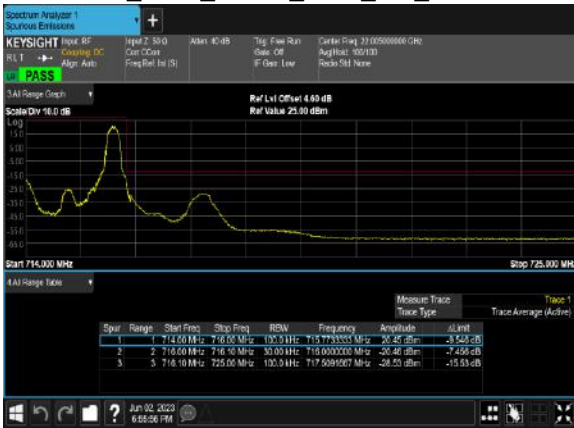
B12_1.4M_16QAM_1@0_CH_23017



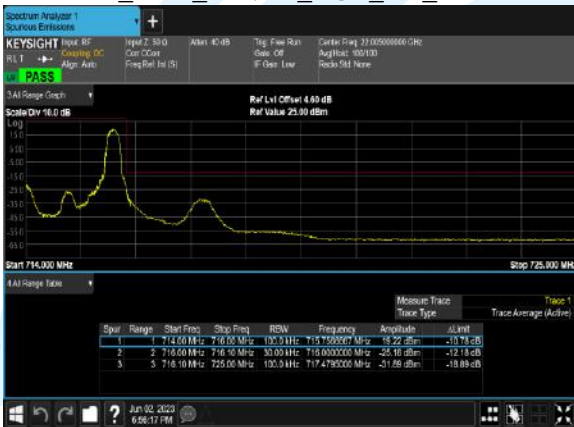
B12_1.4M_16QAM_6@0_CH_23017



B12_1.4M_QPSK_1@5_CH_23173



B12_1.4M_16QAM_1@5_CH_23173



B12_1.4M_QPSK_6@0_CH_23173



B12_1.4M_16QAM_6@0_CH_23173



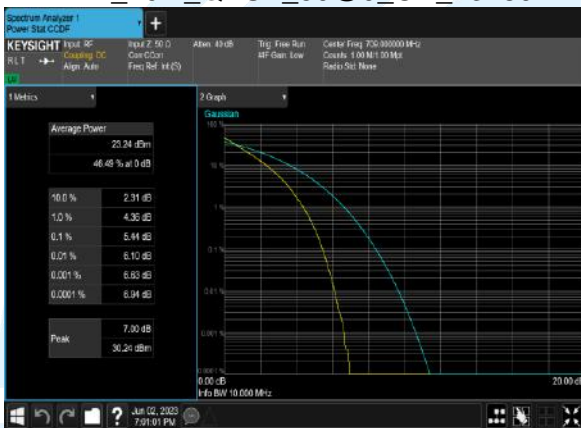
A.5 LTE BAND 17

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	5.44	13	PASS
17	10.0	23780	709.0	16QAM	50@0	6.28	13	PASS
17	10.0	23790	710.0	QPSK	50@0	5.47	13	PASS
17	10.0	23790	710.0	16QAM	50@0	6.23	13	PASS
17	10.0	23800	711.0	QPSK	50@0	5.44	13	PASS
17	10.0	23800	711.0	16QAM	50@0	6.21	13	PASS
17	5.0	23755	706.5	QPSK	25@0	5.37	13	PASS
17	5.0	23755	706.5	16QAM	25@0	6.11	13	PASS
17	5.0	23790	710.0	QPSK	25@0	5.42	13	PASS
17	5.0	23790	710.0	16QAM	25@0	6.13	13	PASS
17	5.0	23825	713.5	QPSK	25@0	5.45	13	PASS
17	5.0	23825	713.5	16QAM	25@0	6.25	13	PASS

Test Graphs

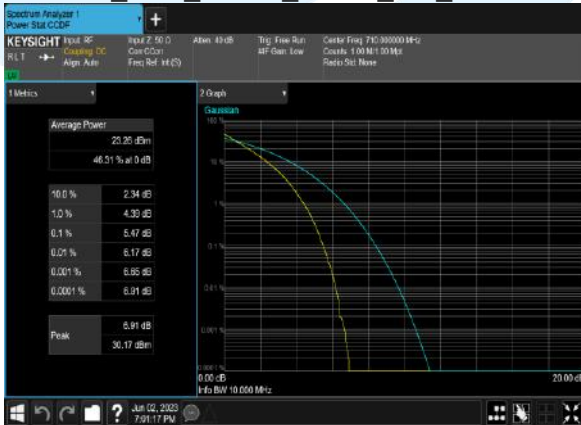
B17_10M_QPSK_50@0_CH_23780



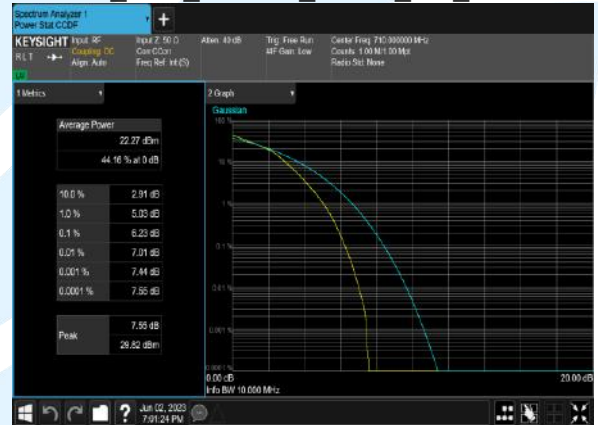
B17_10M_16QAM_50@0_CH_23780



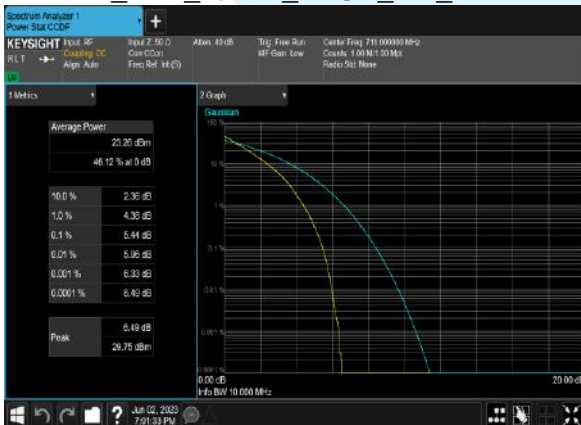
B17_10M_QPSK_50@0_CH_23790



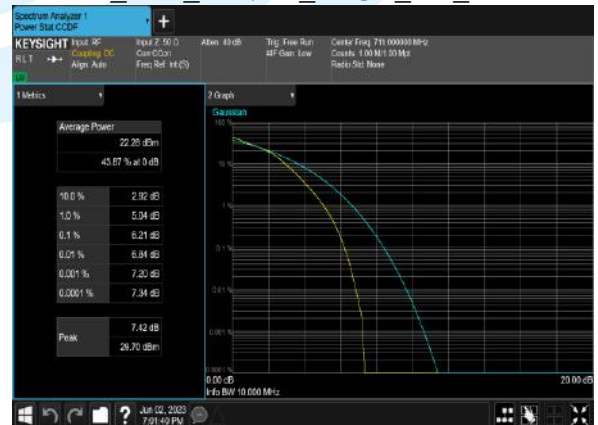
B17_10M_16QAM_50@0_CH_23790



B17_10M_QPSK_50@0_CH_23800



B17_10M_16QAM_50@0_CH_23800



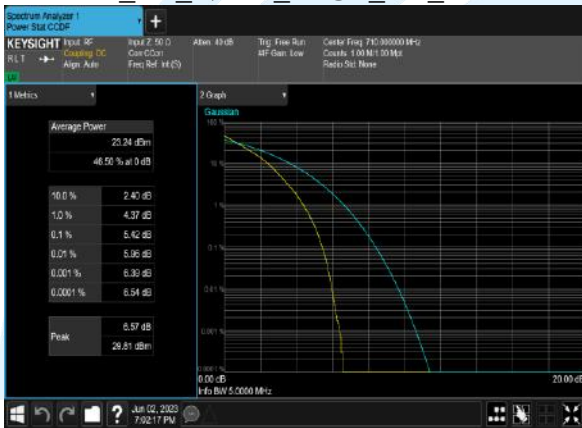
B17_5M_QPSK_25@0_CH_23755



B17_5M_16QAM_25@0_CH_23755



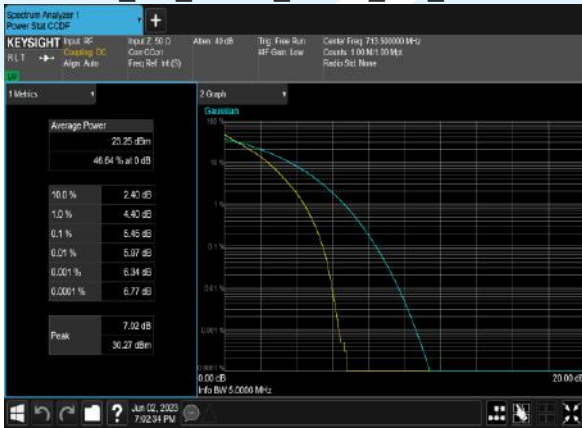
B17_5M_QPSK_25@0_CH_23790



B17_5M_16QAM_25@0_CH_23790



B17_5M_QPSK_25@0_CH_23825



B17_5M_16QAM_25@0_CH_23825

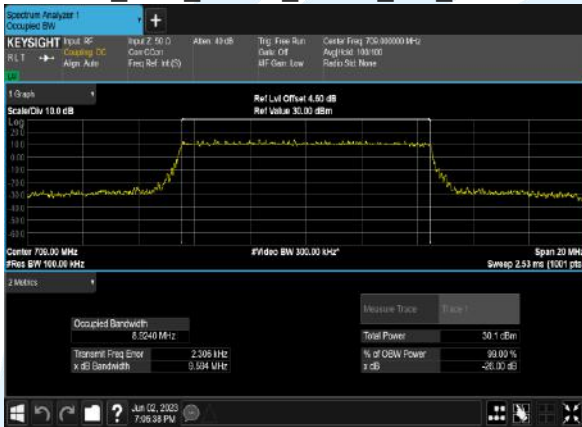


Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
17	10.0	23780	709.0	QPSK	50@0	8.9240	9.594
17	10.0	23780	709.0	16QAM	50@0	8.9147	9.690
17	10.0	23790	710.0	QPSK	50@0	8.9363	9.710
17	10.0	23790	710.0	16QAM	50@0	8.9431	9.663
17	10.0	23800	711.0	QPSK	50@0	8.9468	9.763
17	10.0	23800	711.0	16QAM	50@0	8.9537	9.624
17	5.0	23755	706.5	QPSK	25@0	4.4562	4.937
17	5.0	23755	706.5	16QAM	25@0	4.4679	4.956
17	5.0	23790	710.0	QPSK	25@0	4.4640	4.978
17	5.0	23790	710.0	16QAM	25@0	4.4660	4.884
17	5.0	23825	713.5	QPSK	25@0	4.4707	4.925
17	5.0	23825	713.5	16QAM	25@0	4.4738	4.901

Test Graphs

B17_10M_QPSK_50@0_CH_23780



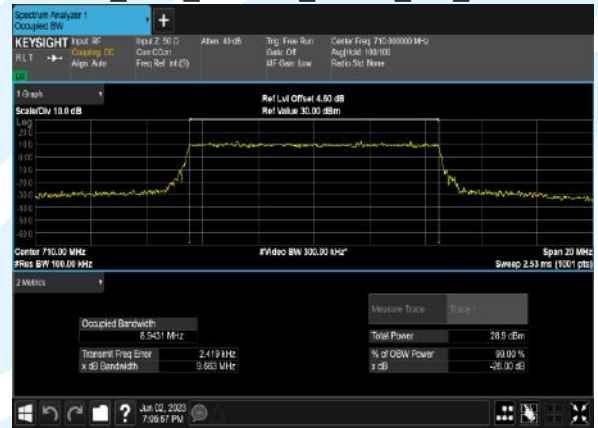
B17_10M_16QAM_50@0_CH_23780



B17_10M_QPSK_50@0_CH_23790



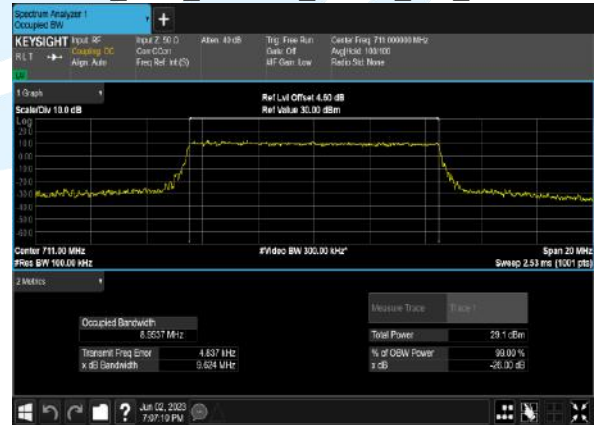
B17_10M_16QAM_50@0_CH_23790



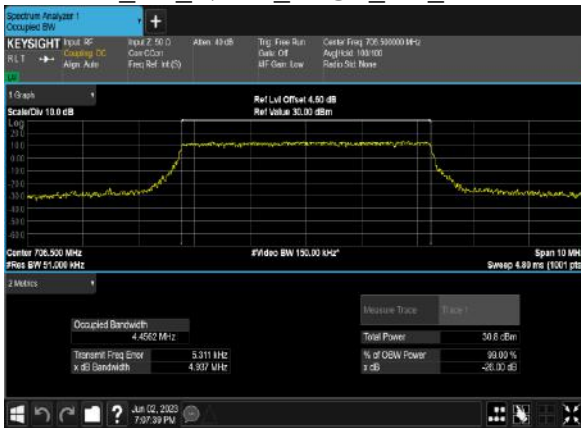
B17_10M_QPSK_50@0_CH_23800



B17_10M_16QAM_50@0_CH_23800



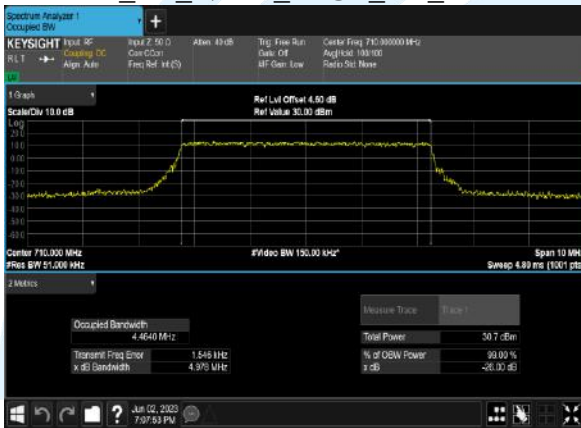
B17_5M_QPSK_25@0_CH_23755



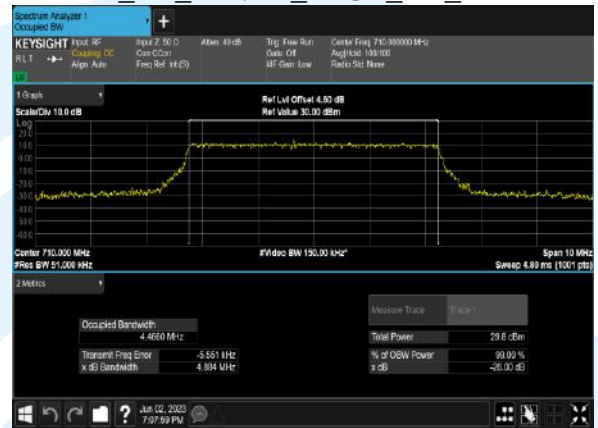
B17_5M_16QAM_25@0_CH_23755



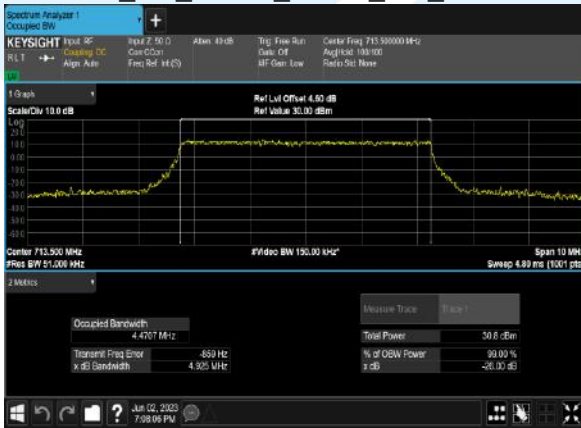
B17_5M_QPSK_25@0_CH_23790



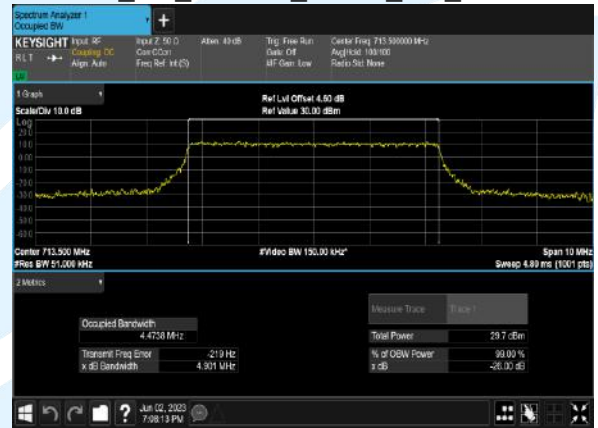
B17_5M_16QAM_25@0_CH_23790



B17_5M_QPSK_25@0_CH_23825



B17_5M_16QAM_25@0_CH_23825



Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
17	10.0	23780	709.0	QPSK	1@0	-31.14	-13	PASS
17	10.0	23780	709.0	16QAM	1@0	-31.23	-13	PASS
17	10.0	23790	710.0	QPSK	1@0	-30.95	-13	PASS
17	10.0	23790	710.0	16QAM	1@0	-31.33	-13	PASS
17	10.0	23800	711.0	QPSK	1@0	-31.12	-13	PASS
17	10.0	23800	711.0	16QAM	1@0	-31.07	-13	PASS
17	5.0	23755	706.5	QPSK	1@0	-31.2	-13	PASS
17	5.0	23755	706.5	16QAM	1@0	-29.98	-13	PASS
17	5.0	23790	710.0	QPSK	1@0	-31.15	-13	PASS
17	5.0	23790	710.0	16QAM	1@0	-31.09	-13	PASS
17	5.0	23825	713.5	QPSK	1@0	-31.75	-13	PASS
17	5.0	23825	713.5	16QAM	1@0	-31.16	-13	PASS

Test Graphs

B17_10M_QPSK_1@0_CH_23780



B17_10M_16QAM_1@0_CH_23780



B17_10M_QPSK_1@0_CH_23790



B17_10M_16QAM_1@0_CH_23790



B17_10M_QPSK_1@0_CH_23800



B17_10M_16QAM_1@0_CH_23800



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B17_5M_QPSK_1@0_CH_23755



B17_5M_16QAM_1@0_CH_23755



B17_5M_QPSK_1@0_CH_23790



B17_5M_16QAM_1@0_CH_23790



B17_5M_QPSK_1@0_CH_23825



B17_5M_16QAM_1@0_CH_23825

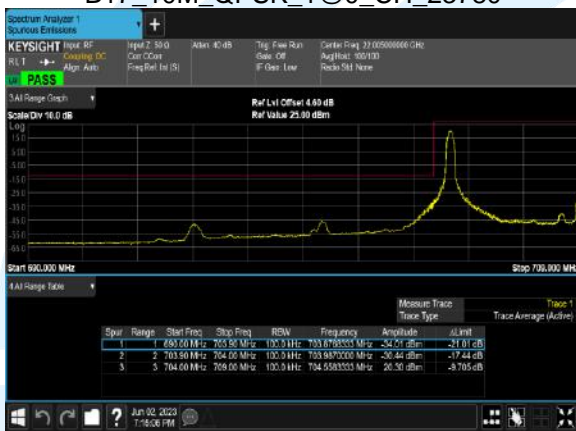


Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
17	10.0	23780	709.0	QPSK	1@0	see graph	PASS
17	10.0	23780	709.0	QPSK	50@0	see graph	PASS
17	10.0	23780	709.0	16QAM	1@0	see graph	PASS
17	10.0	23780	709.0	16QAM	50@0	see graph	PASS
17	10.0	23800	711.0	QPSK	1@49	see graph	PASS
17	10.0	23800	711.0	QPSK	50@0	see graph	PASS
17	10.0	23800	711.0	16QAM	1@49	see graph	PASS
17	10.0	23800	711.0	16QAM	50@0	see graph	PASS
17	5.0	23755	706.5	QPSK	1@0	see graph	PASS
17	5.0	23755	706.5	QPSK	25@0	see graph	PASS
17	5.0	23755	706.5	16QAM	1@0	see graph	PASS
17	5.0	23755	706.5	16QAM	25@0	see graph	PASS
17	5.0	23825	713.5	QPSK	1@24	see graph	PASS
17	5.0	23825	713.5	QPSK	25@0	see graph	PASS
17	5.0	23825	713.5	16QAM	1@24	see graph	PASS
17	5.0	23825	713.5	16QAM	25@0	see graph	PASS

Test Graphs

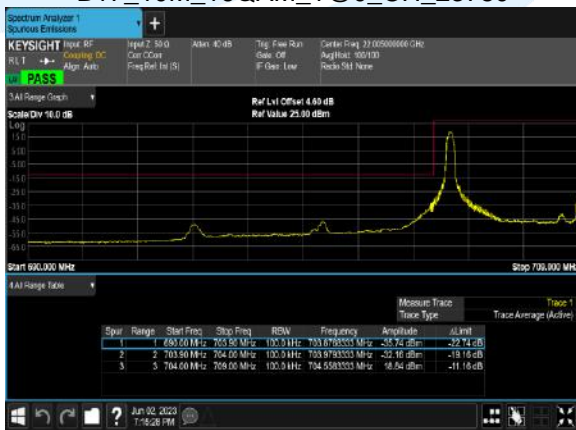
B17_10M_QPSK_1@0_CH_23780



B17_10M_QPSK_50@0_CH_23780



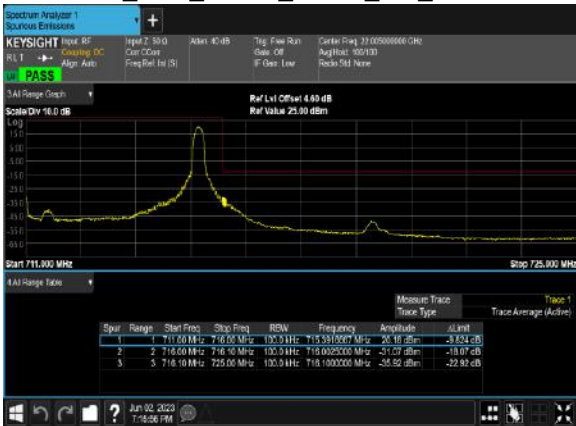
B17_10M_16QAM_1@0_CH_23780



B17_10M_16QAM_50@0_CH_23780



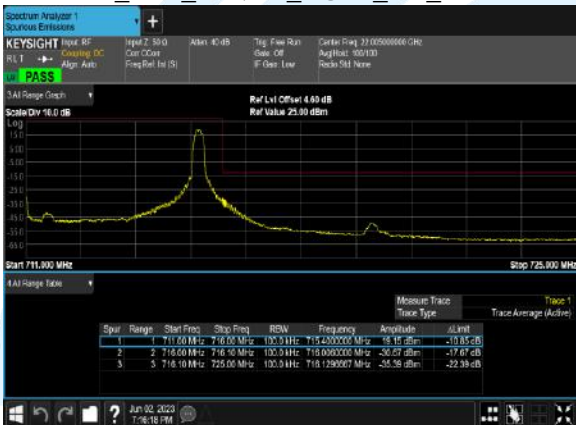
B17_10M_QPSK_1@49_CH_23800



B17_10M_QPSK_50@0_CH_23800



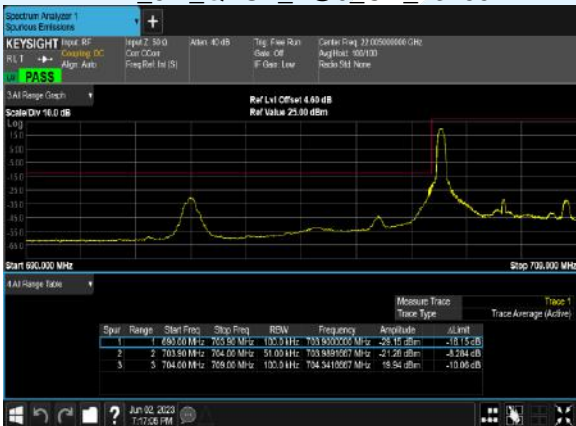
B17_10M_16QAM_1@49_CH_23800



B17_10M_16QAM_50@0_CH_23800



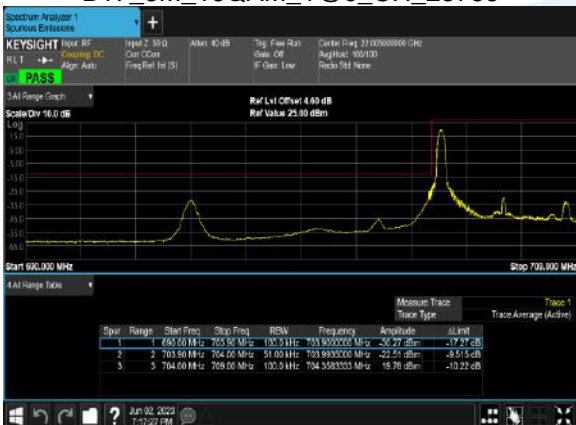
B17_5M_QPSK_1@0_CH_23755



B17_5M_QPSK_25@0_CH_23755



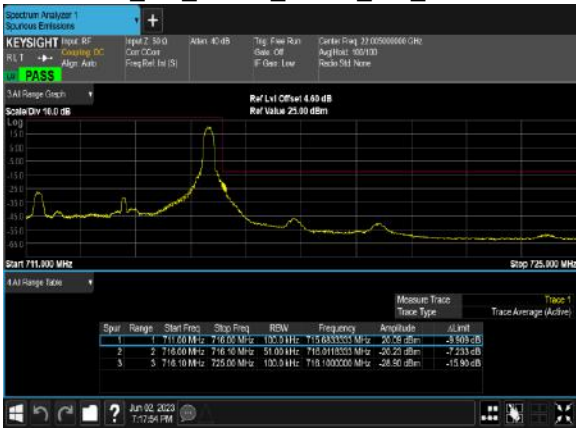
B17_5M_16QAM_1@0_CH_23755



B17_5M_16QAM_25@0_CH_23755



B17_5M_QPSK_1@24_CH_23825



B17_5M_16QAM_1@24_CH_23825



B17_5M_QPSK_25@0_CH_23825



B17_5M_16QAM_25@0_CH_23825



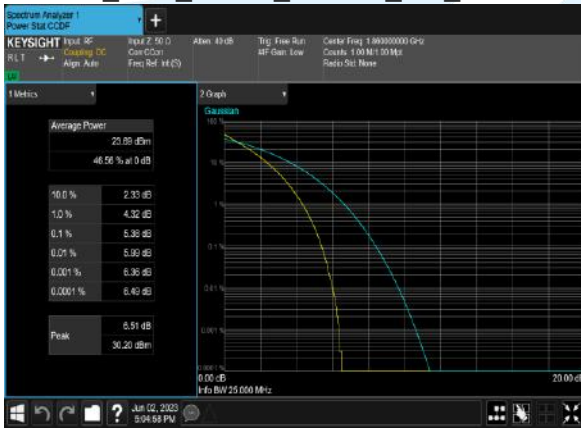
A.6 LTE BAND 25

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
25	20.0	26140	1860.0	QPSK	100@0	5.38	13	PASS
25	20.0	26140	1860.0	16QAM	100@0	6.10	13	PASS
25	20.0	26365	1882.5	QPSK	100@0	5.49	13	PASS
25	20.0	26365	1882.5	16QAM	100@0	6.21	13	PASS
25	20.0	26590	1905.0	QPSK	100@0	5.35	13	PASS
25	20.0	26590	1905.0	16QAM	100@0	6.16	13	PASS
25	15.0	26115	1857.5	QPSK	75@0	5.19	13	PASS
25	15.0	26115	1857.5	16QAM	75@0	6.01	13	PASS
25	15.0	26365	1882.5	QPSK	75@0	5.32	13	PASS
25	15.0	26365	1882.5	16QAM	75@0	6.10	13	PASS
25	15.0	26615	1907.5	QPSK	75@0	5.22	13	PASS
25	15.0	26615	1907.5	16QAM	75@0	6.07	13	PASS
25	10.0	26090	1855.0	QPSK	50@0	5.34	13	PASS
25	10.0	26090	1855.0	16QAM	50@0	6.08	13	PASS
25	10.0	26365	1882.5	QPSK	50@0	5.44	13	PASS
25	10.0	26365	1882.5	16QAM	50@0	6.17	13	PASS
25	10.0	26640	1910.0	QPSK	50@0	5.28	13	PASS
25	10.0	26640	1910.0	16QAM	50@0	6.07	13	PASS
25	5.0	26065	1852.5	QPSK	25@0	5.34	13	PASS
25	5.0	26065	1852.5	16QAM	25@0	6.02	13	PASS
25	5.0	26365	1882.5	QPSK	25@0	5.46	13	PASS
25	5.0	26365	1882.5	16QAM	25@0	6.13	13	PASS
25	5.0	26665	1912.5	QPSK	25@0	5.26	13	PASS
25	5.0	26665	1912.5	16QAM	25@0	5.99	13	PASS
25	3.0	26055	1851.5	QPSK	15@0	5.28	13	PASS
25	3.0	26055	1851.5	16QAM	15@0	6.04	13	PASS
25	3.0	26365	1882.5	QPSK	15@0	5.33	13	PASS
25	3.0	26365	1882.5	16QAM	15@0	6.15	13	PASS
25	3.0	26675	1913.5	QPSK	15@0	5.15	13	PASS
25	3.0	26675	1913.5	16QAM	15@0	5.96	13	PASS
25	1.4	26047	1850.7	QPSK	6@0	5.10	13	PASS
25	1.4	26047	1850.7	16QAM	6@0	5.93	13	PASS
25	1.4	26365	1882.5	QPSK	6@0	5.24	13	PASS
25	1.4	26365	1882.5	16QAM	6@0	6.05	13	PASS
25	1.4	26683	1914.3	QPSK	6@0	4.96	13	PASS
25	1.4	26683	1914.3	16QAM	6@0	5.79	13	PASS

Test Graphs

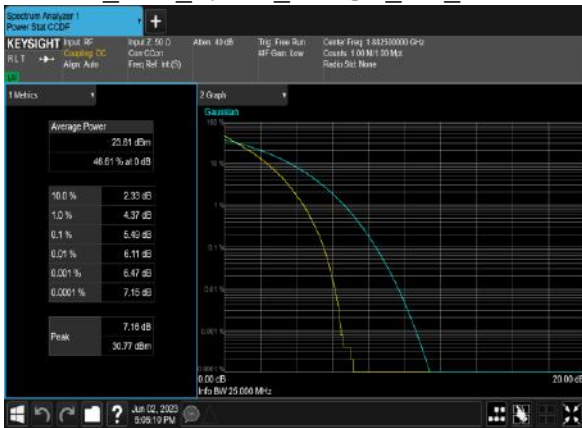
B25_20M_QPSK_100@0_CH_26140



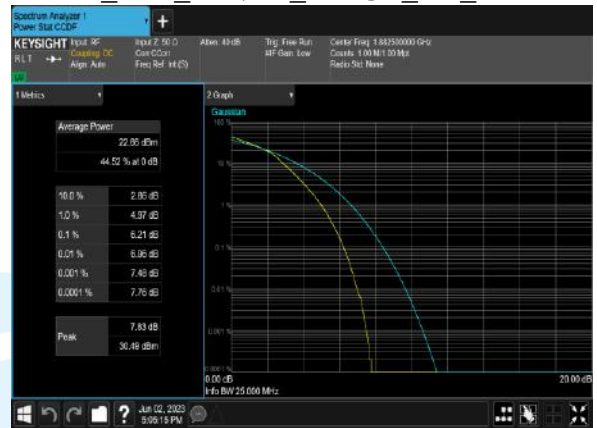
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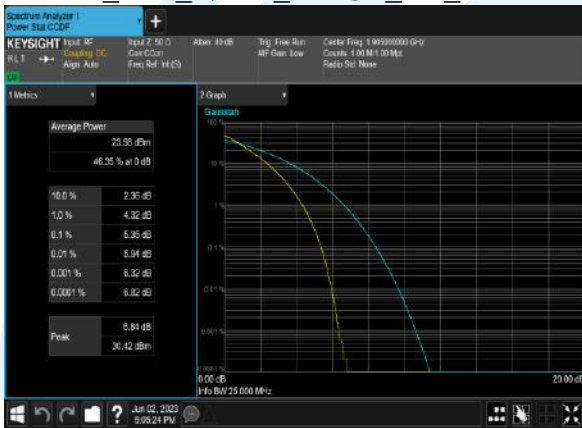
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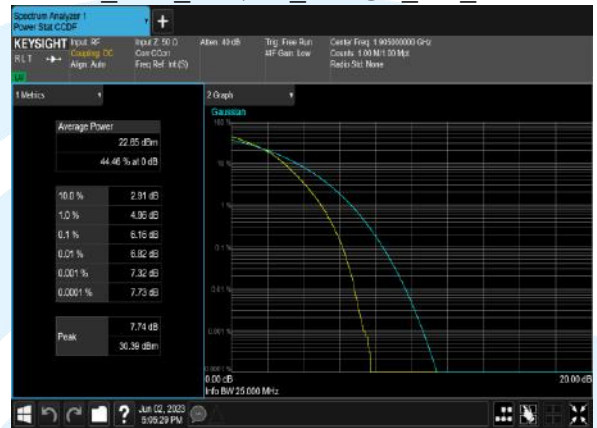
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B25_20M_QPSK_100@0_CH_26590



B25_20M_16QAM_100@0_CH_26590



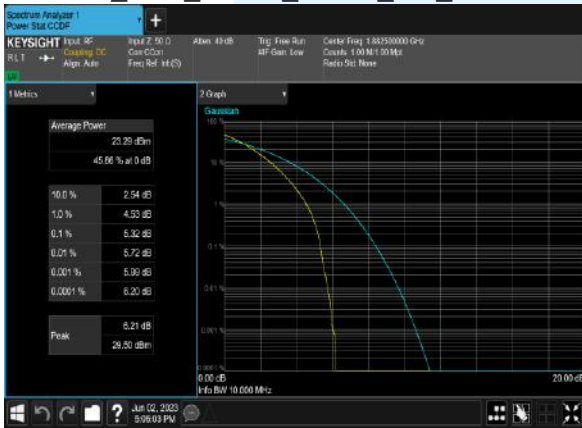
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B25_15M_16QAM_75@0_CH_26115



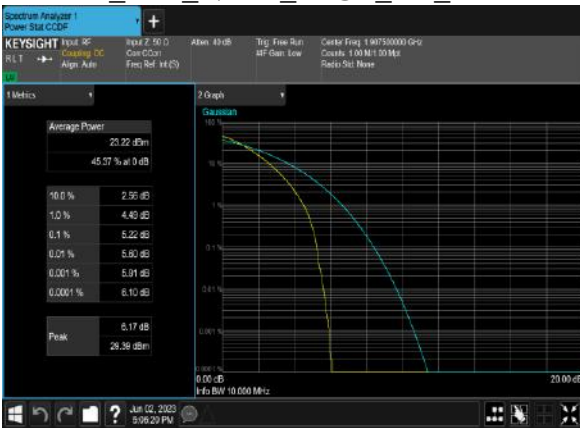
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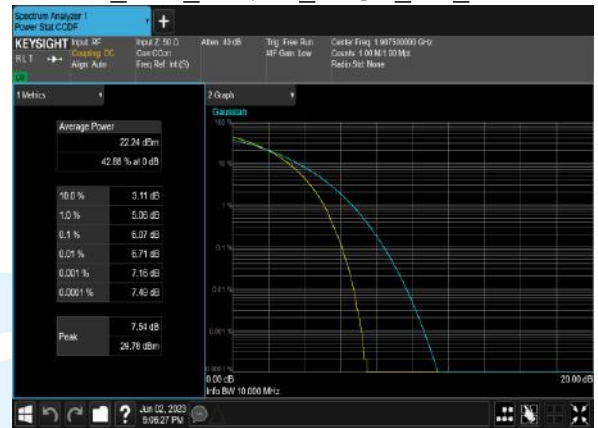
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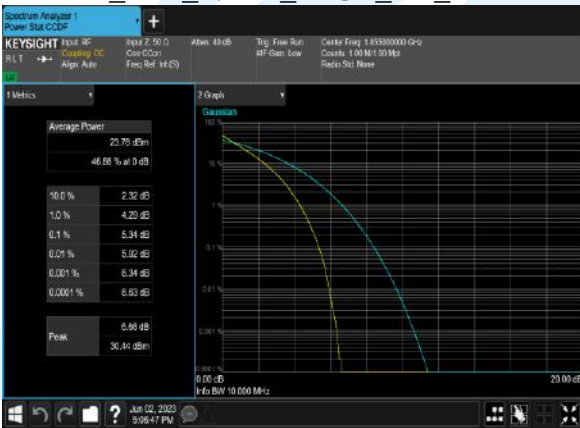
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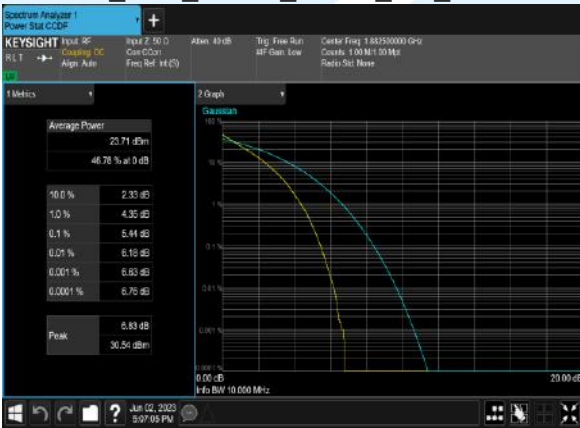
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B25_10M_16QAM_50@0_CH_26090



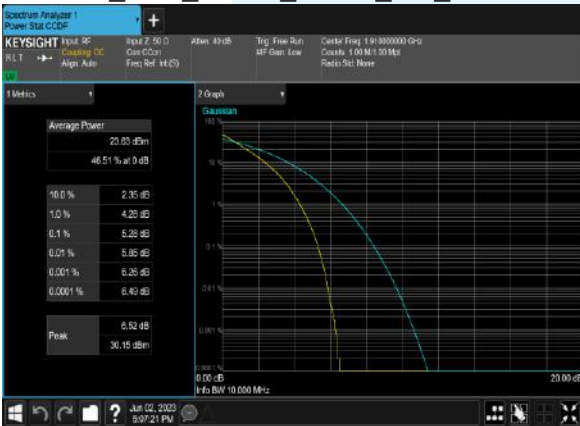
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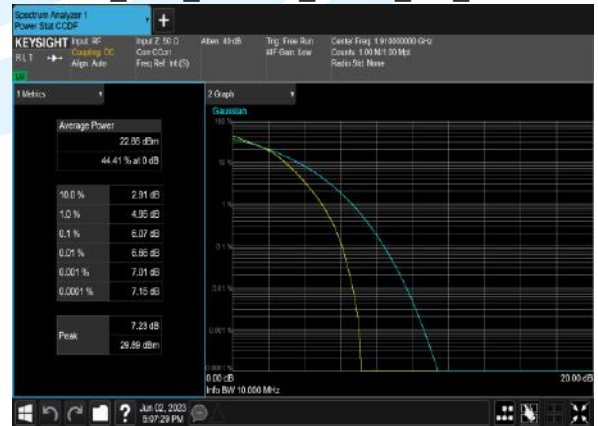
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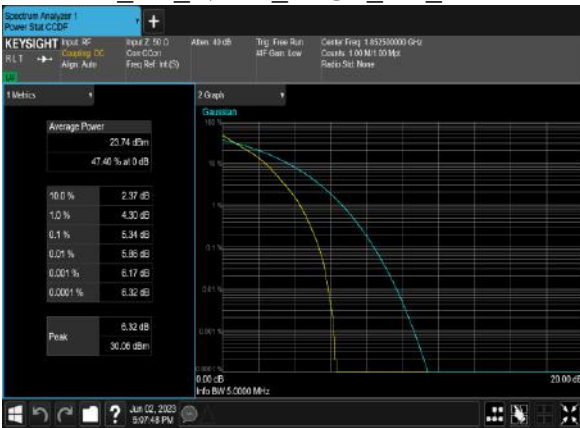
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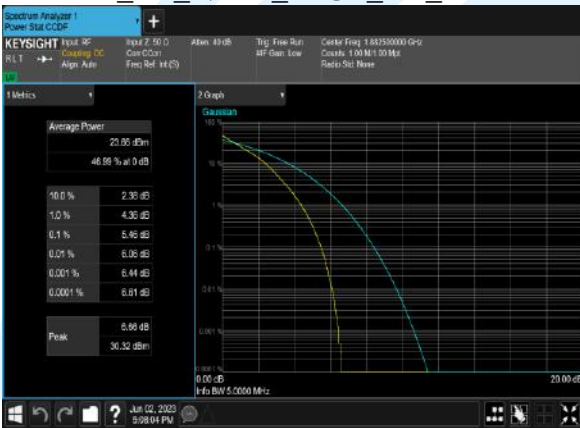
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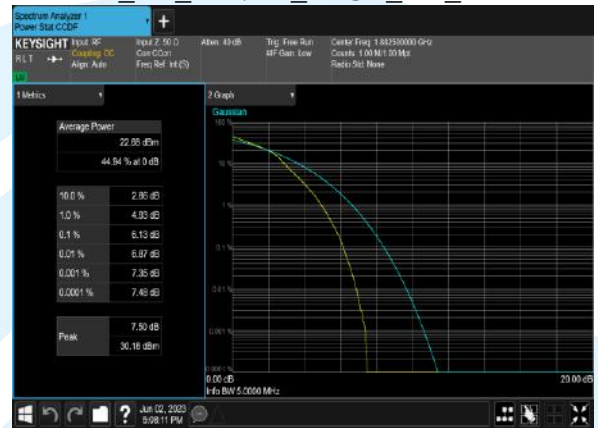
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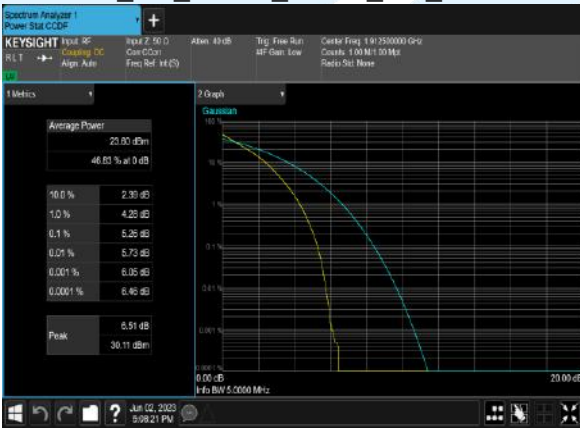
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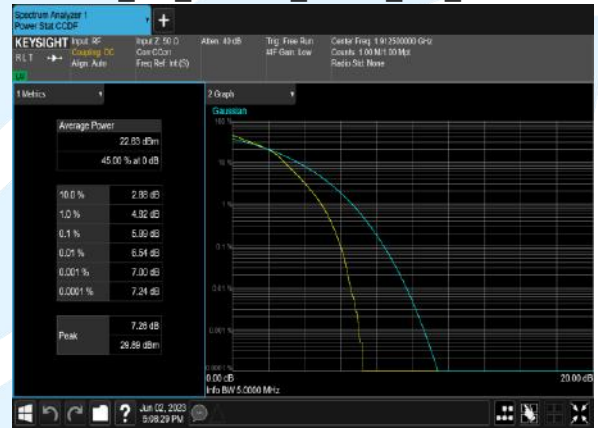
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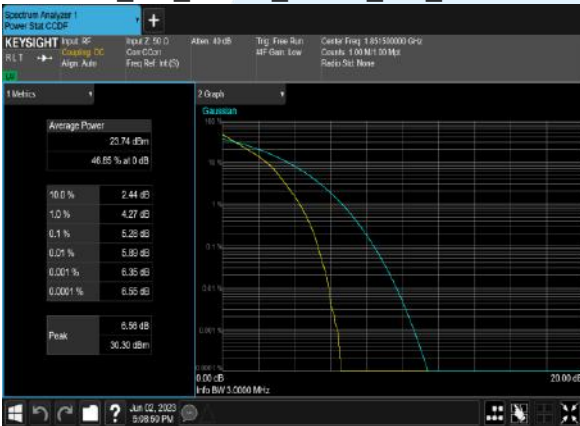
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B25_5M_16QAM_25@0_CH_26665



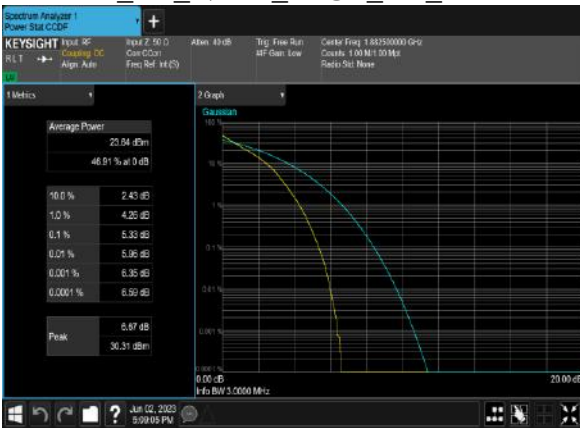
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B25_3M_16QAM_15@0_CH_26055



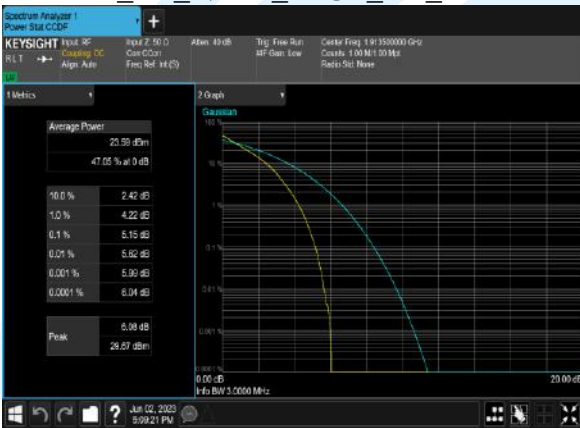
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B25_3M_16QAM_15@0_CH_26365



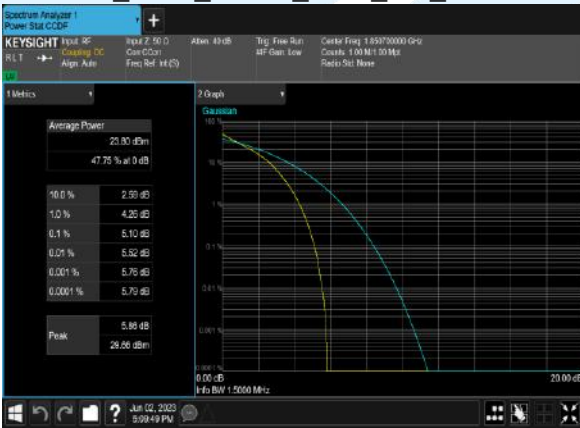
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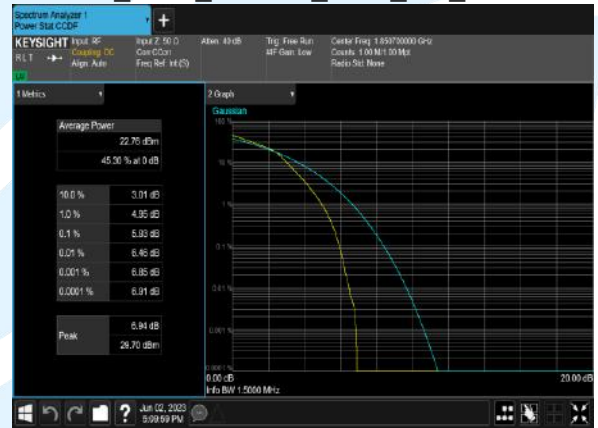
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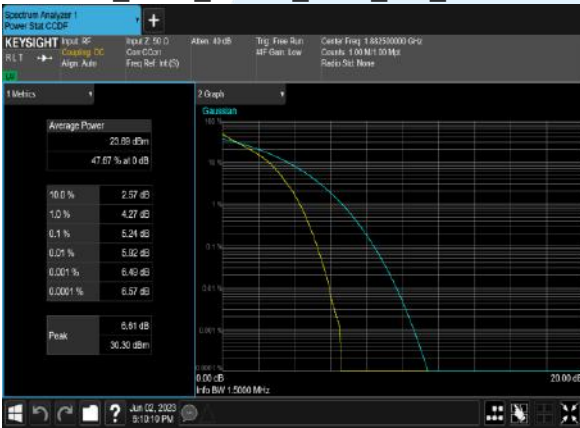
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B25_1.4M_16QAM_6@0_CH_26047



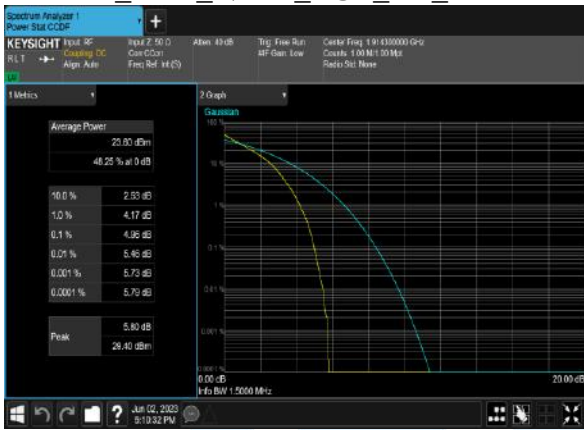
B25_1.4M_QPSK_6@0_CH_26365



B25_1.4M_16QAM_6@0_CH_26365



B25_1.4M_QPSK_6@0_CH_26683



B25_1.4M_16QAM_6@0_CH_26683



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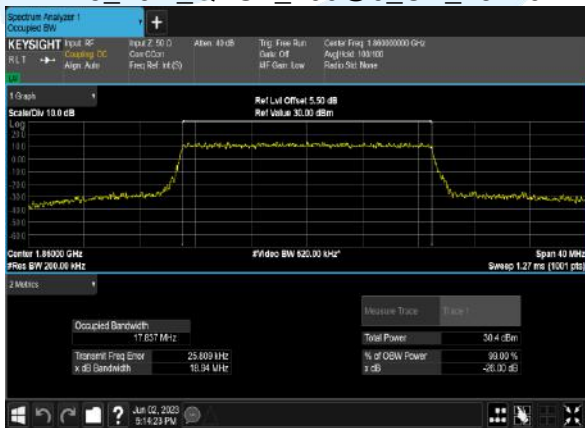
UTTR-RF-FCC4G-V1.1

Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
25	20.0	26140	1860.0	QPSK	100@0	17.837	18.94
25	20.0	26140	1860.0	16QAM	100@0	17.846	19.30
25	20.0	26365	1882.5	QPSK	100@0	17.843	18.96
25	20.0	26365	1882.5	16QAM	100@0	17.881	19.19
25	20.0	26590	1905.0	QPSK	100@0	17.855	19.12
25	20.0	26590	1905.0	16QAM	100@0	17.828	18.90
25	15.0	26115	1857.5	QPSK	75@0	13.413	14.71
25	15.0	26115	1857.5	16QAM	75@0	13.420	14.18
25	15.0	26365	1882.5	QPSK	75@0	13.418	14.49
25	15.0	26365	1882.5	16QAM	75@0	13.408	14.68
25	15.0	26615	1907.5	QPSK	75@0	13.373	14.42
25	15.0	26615	1907.5	16QAM	75@0	13.412	14.59
25	10.0	26090	1855.0	QPSK	50@0	8.9409	9.756
25	10.0	26090	1855.0	16QAM	50@0	8.9489	9.493
25	10.0	26365	1882.5	QPSK	50@0	8.9482	9.712
25	10.0	26365	1882.5	16QAM	50@0	8.9340	9.638
25	10.0	26640	1910.0	QPSK	50@0	8.9235	9.619
25	10.0	26640	1910.0	16QAM	50@0	8.9163	9.619
25	5.0	26065	1852.5	QPSK	25@0	4.4573	4.959
25	5.0	26065	1852.5	16QAM	25@0	4.4718	5.053
25	5.0	26365	1882.5	QPSK	25@0	4.4707	5.030
25	5.0	26365	1882.5	16QAM	25@0	4.4665	4.942
25	5.0	26665	1912.5	QPSK	25@0	4.4572	4.974
25	5.0	26665	1912.5	16QAM	25@0	4.4608	4.948
25	3.0	26055	1851.5	QPSK	15@0	2.6799	2.857
25	3.0	26055	1851.5	16QAM	15@0	2.6775	2.849
25	3.0	26365	1882.5	QPSK	15@0	2.6775	2.851
25	3.0	26365	1882.5	16QAM	15@0	2.6692	2.868
25	3.0	26675	1913.5	QPSK	15@0	2.6777	2.850
25	3.0	26675	1913.5	16QAM	15@0	2.6774	2.817
25	1.4	26047	1850.7	QPSK	6@0	1.0787	1.231
25	1.4	26047	1850.7	16QAM	6@0	1.0798	1.233
25	1.4	26365	1882.5	QPSK	6@0	1.0795	1.229
25	1.4	26365	1882.5	16QAM	6@0	1.0793	1.255
25	1.4	26683	1914.3	QPSK	6@0	1.0767	1.243
25	1.4	26683	1914.3	16QAM	6@0	1.0769	1.201

Test Graphs

B25_20M_QPSK_100@0_CH_26140



B25_20M_16QAM_100@0_CH_26140

