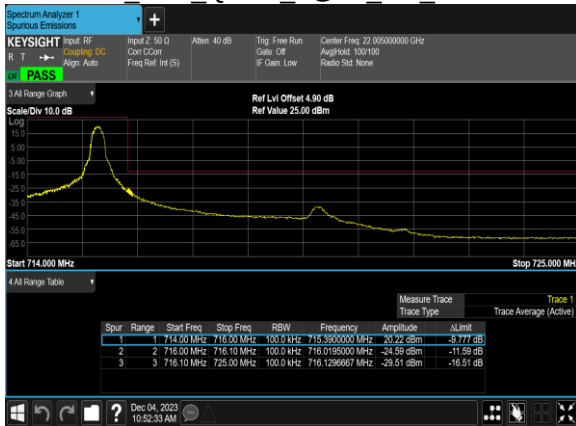
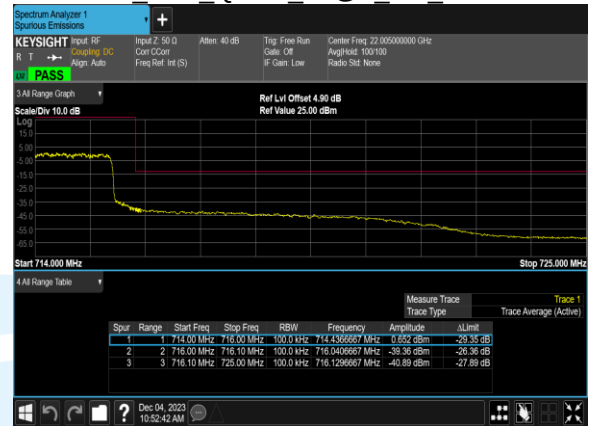


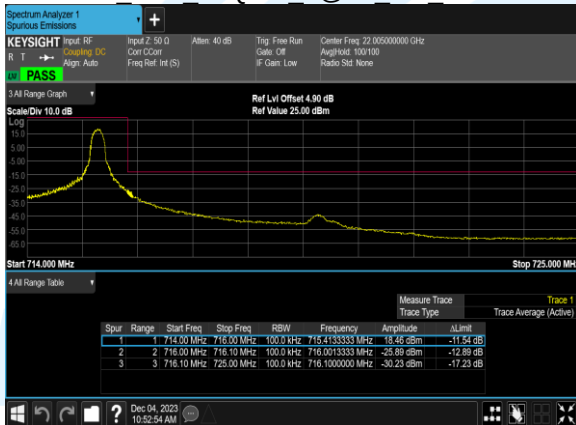
B12 10M QPSK 1@49 CH 23130



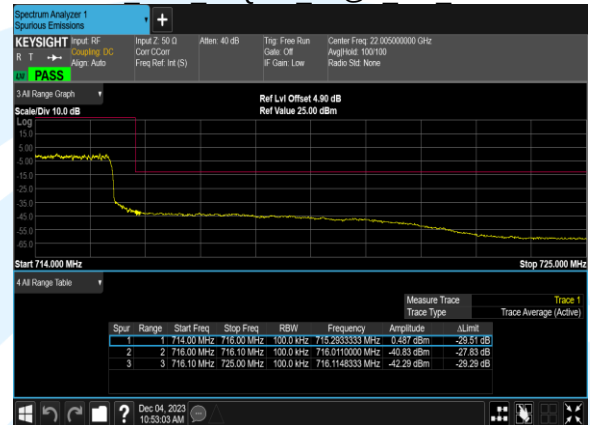
B12 10M QPSK 50@0 CH 23130



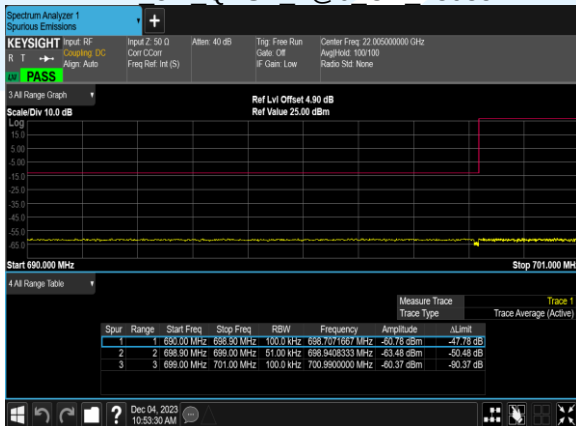
B12 10M 16QAM 1@49 CH 23130



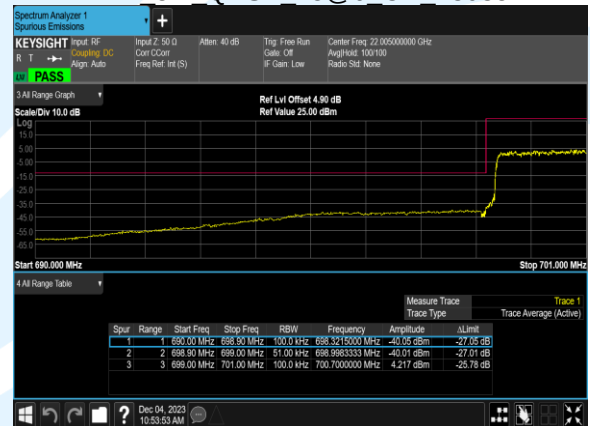
B12 10M 16QAM 50@0 CH 23130



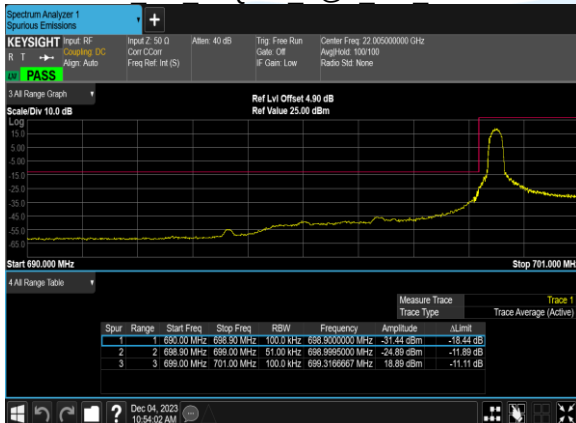
B12 5M QPSK 1@0 CH 23035



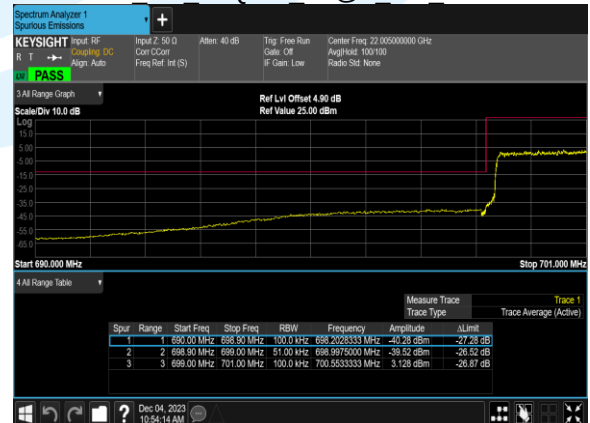
B12 5M QPSK 25@0 CH 23035



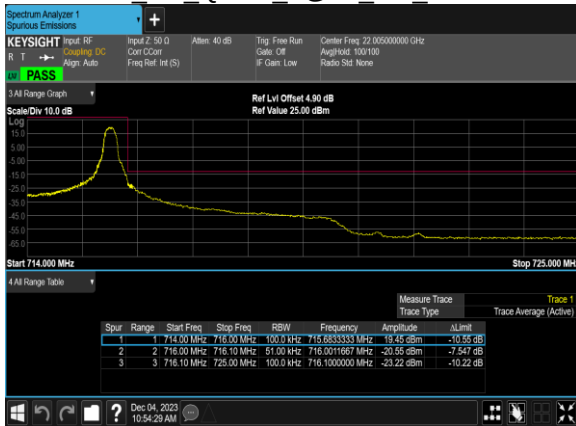
B12 5M 16QAM 1@0 CH 23035



B12 5M 16QAM 25@0 CH 23035



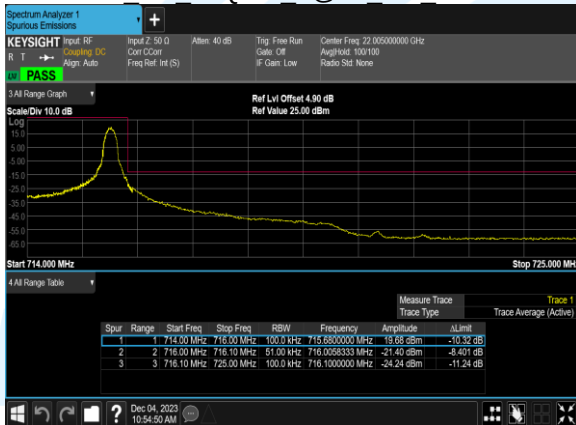
B12 5M QPSK 1@24 CH 23155



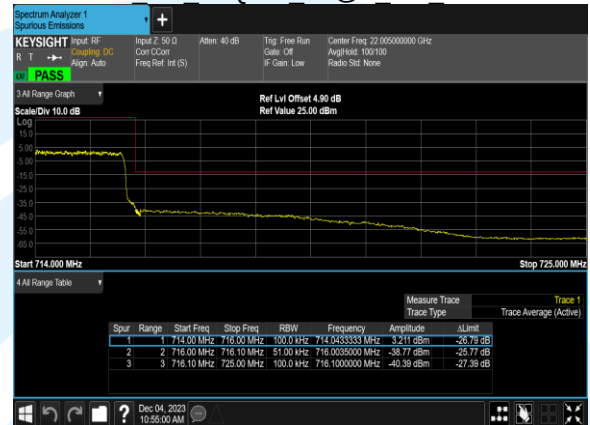
B12 5M QPSK 25@0 CH 23155



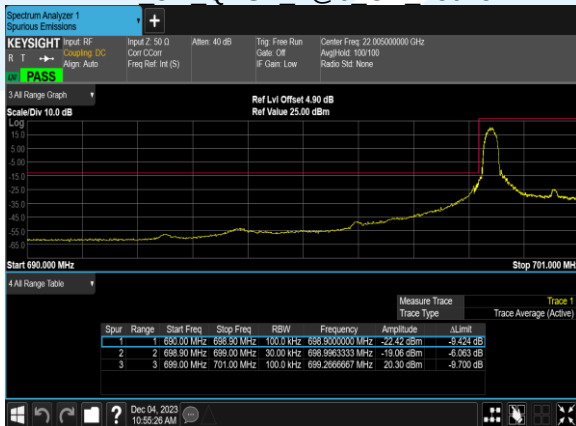
B12 5M 16QAM 1@24 CH 23155



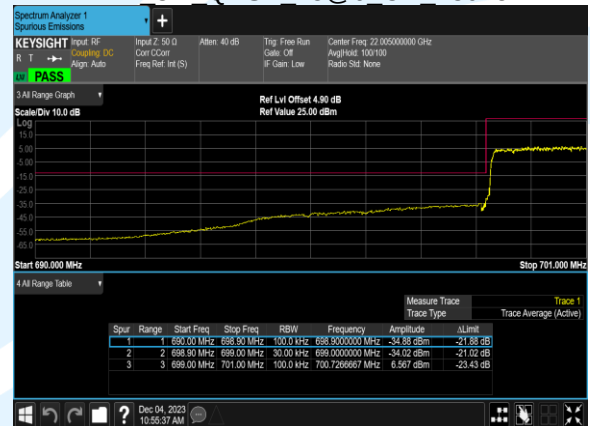
B12 5M 16QAM 25@0 CH 23155



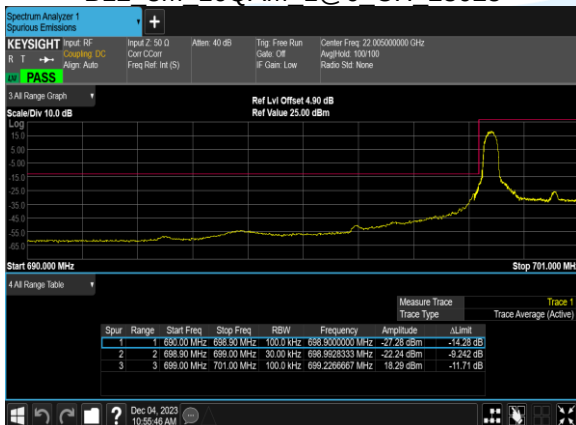
B12 3M QPSK 1@0 CH 23025



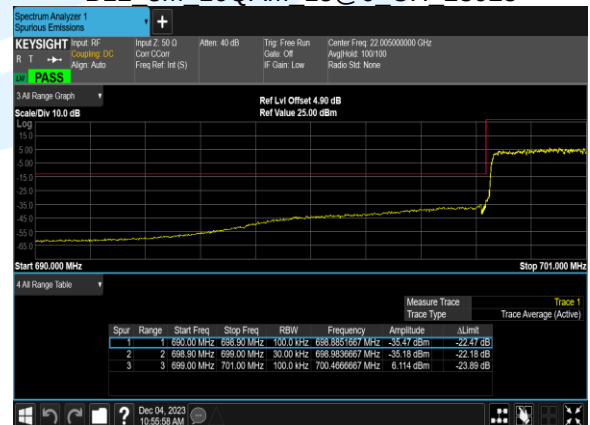
B12 3M QPSK 15@0 CH 23025



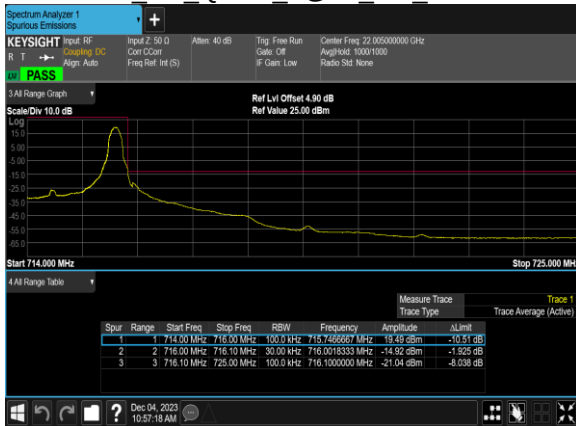
B12 3M 16QAM 1@0 CH 23025



B12 3M 16QAM 15@0 CH 23025



B12 3M QPSK 1@14 CH 23165



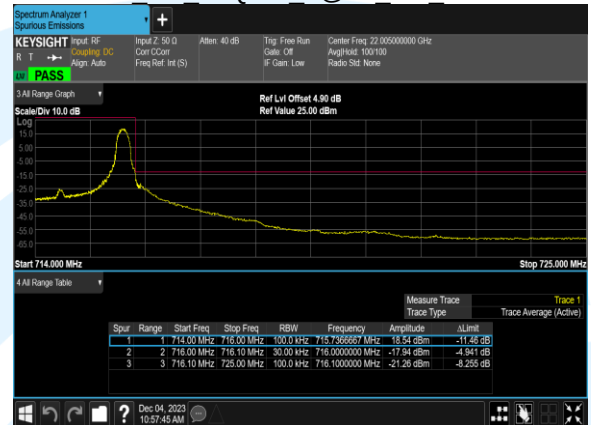
B12 3M QPSK 1@14 CH 23165_CHP_PASS



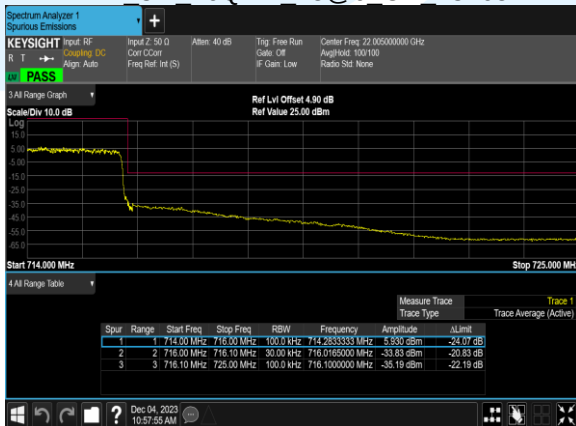
B12 3M QPSK 15@0 CH 23165



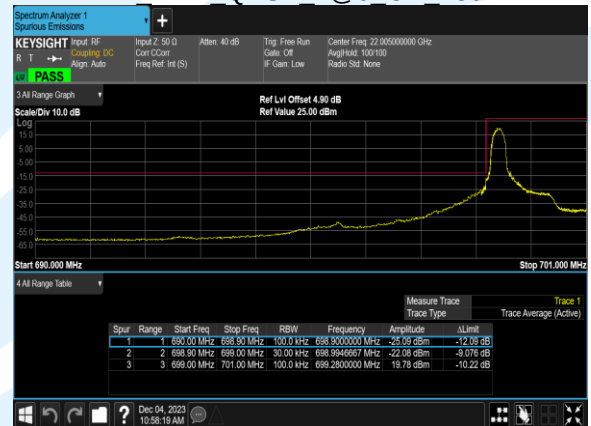
B12 3M 16QAM 1@14 CH 23165



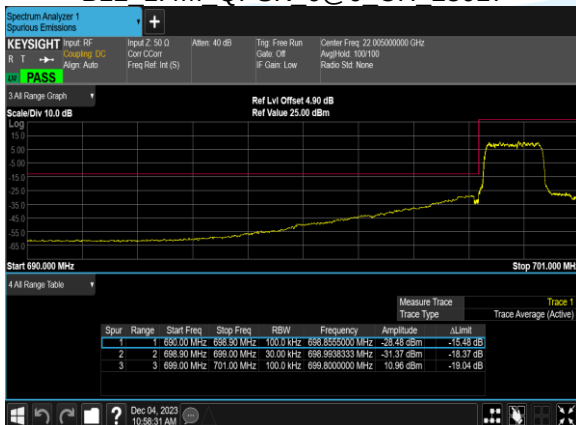
B12 3M 16QAM 15@0 CH 23165



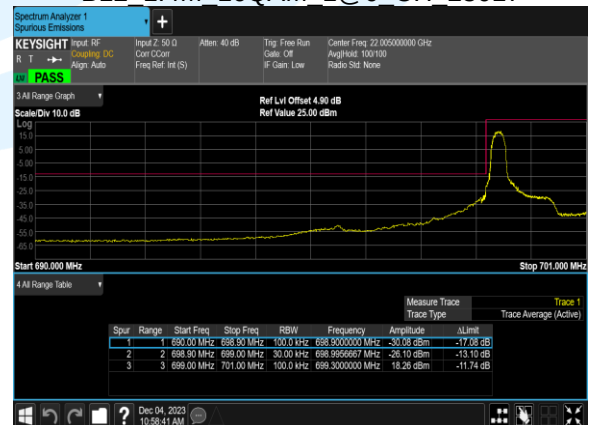
B12 1.4M QPSK 1@0 CH 23017



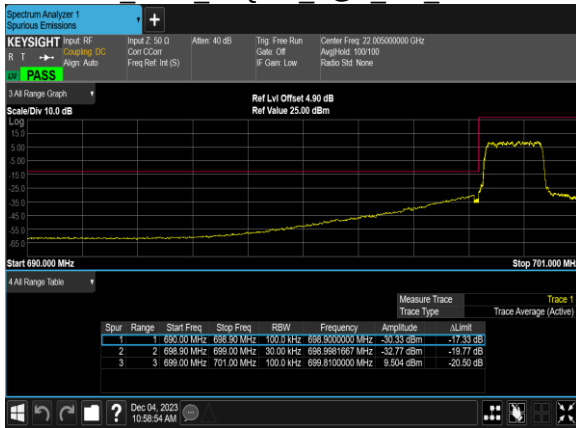
B12 1.4M QPSK 6@0 CH 23017



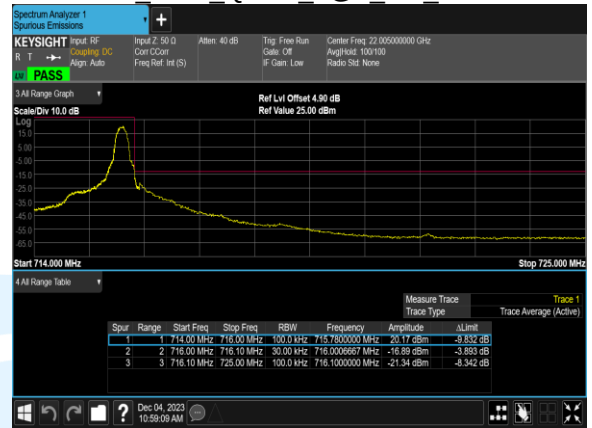
B12 1.4M 16QAM 1@0 CH 23017



B12 1.4M 16QAM 6@0 CH 23017



B12 1.4M QPSK 1@5 CH 23173

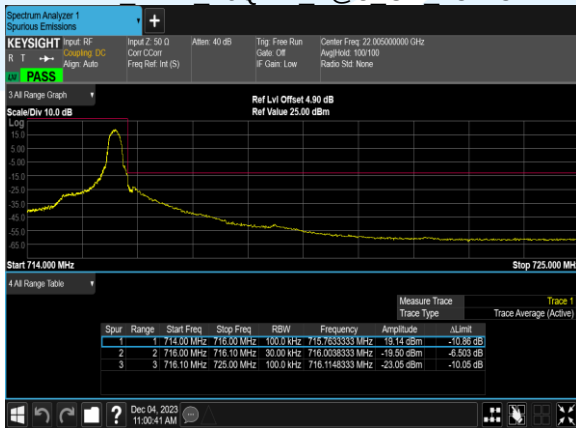


B12 1.4M QPSK 6@0 CH 23173



N/A

B12 1.4M 16QAM 1@5 CH 23173



B12 1.4M 16QAM 6@0 CH 23173



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	5.13	13	PASS
13	10.0	23230	782.0	16QAM	50@0	5.94	13	PASS
13	5.0	23205	779.5	QPSK	25@0	5.16	13	PASS
13	5.0	23205	779.5	16QAM	25@0	5.82	13	PASS
13	5.0	23230	782.0	QPSK	25@0	5.45	13	PASS
13	5.0	23230	782.0	16QAM	25@0	6.17	13	PASS
13	5.0	23255	784.5	QPSK	25@0	5.16	13	PASS
13	5.0	23255	784.5	16QAM	25@0	5.89	13	PASS

Test Graphs

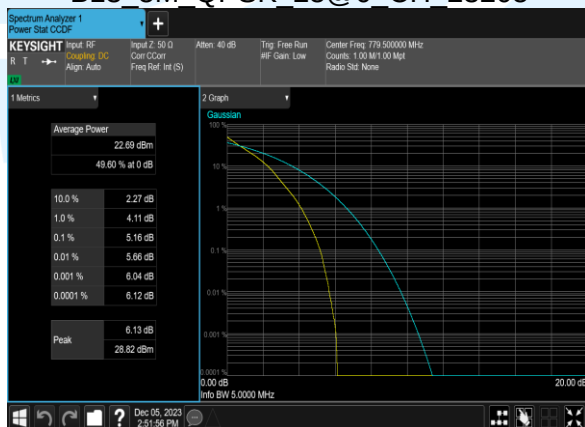
B13 10M QPSK 50@0 CH 23230



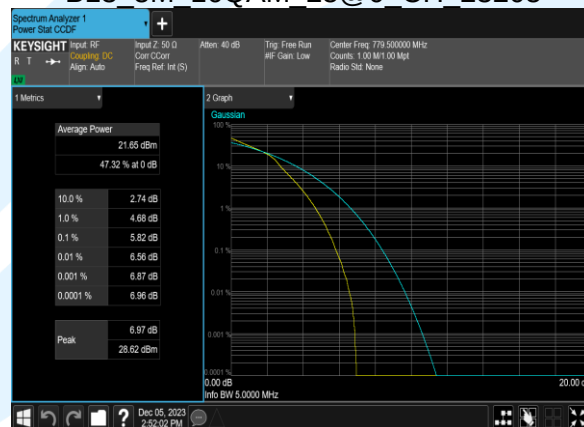
B13 10M 16QAM 50@0 CH 23230



B13 5M QPSK 25@0 CH 23205



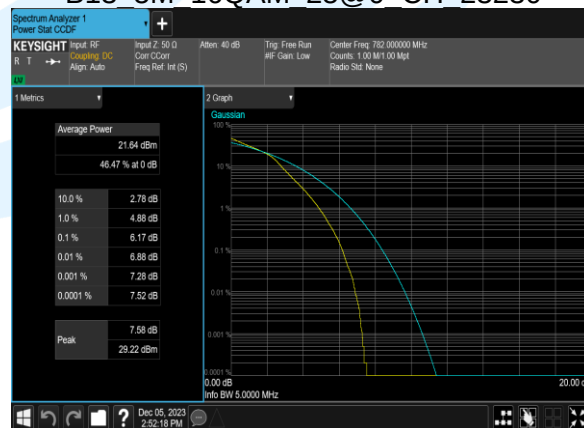
B13 5M 16QAM 25@0 CH 23205



B13 5M QPSK 25@0 CH 23230



B13 5M 16QAM 25@0 CH 23230



B13 5M QPSK 25@0 CH 23255



B13 5M 16QAM 25@0 CH 23255



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Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
13	10.0	23230	782.0	QPSK	50@0	8.9399	9.568
13	10.0	23230	782.0	16QAM	50@0	8.9227	9.565
13	5.0	23205	779.5	QPSK	25@0	4.4474	4.828
13	5.0	23205	779.5	16QAM	25@0	4.4585	4.822
13	5.0	23230	782.0	QPSK	25@0	4.4538	4.799
13	5.0	23230	782.0	16QAM	25@0	4.4527	4.762
13	5.0	23255	784.5	QPSK	25@0	4.4636	4.805
13	5.0	23255	784.5	16QAM	25@0	4.4576	4.816

Test Graphs

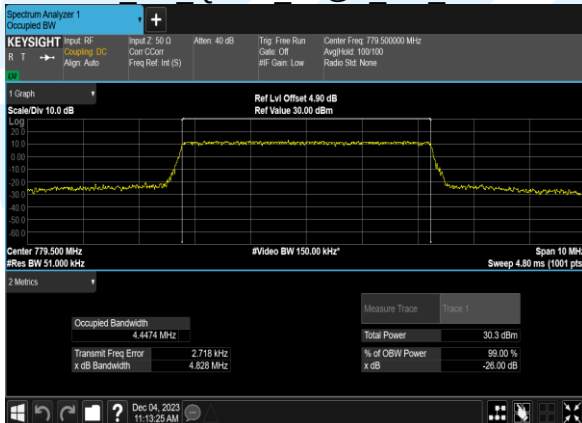
B13 10M QPSK 50@0 CH 23230



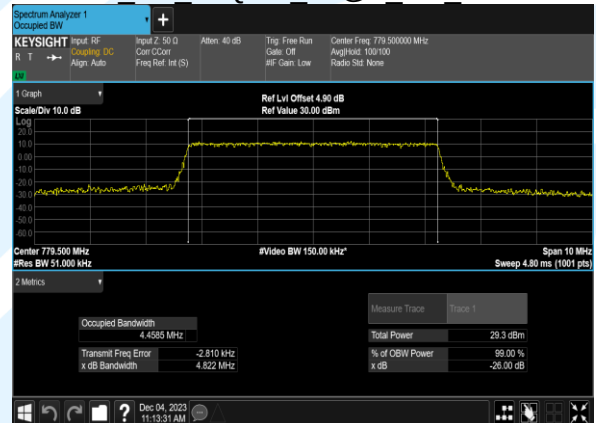
B13 10M 16QAM 50@0 CH 23230



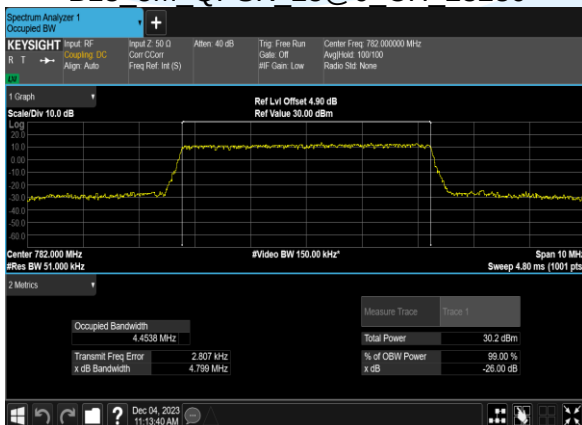
B13 5M QPSK 25@0 CH 23205



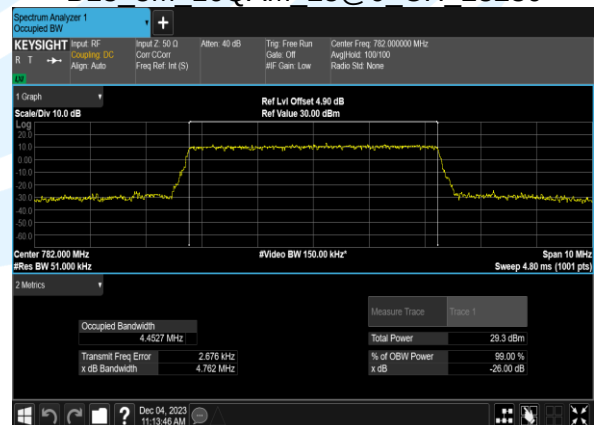
B13 5M 16QAM 25@0 CH 23205



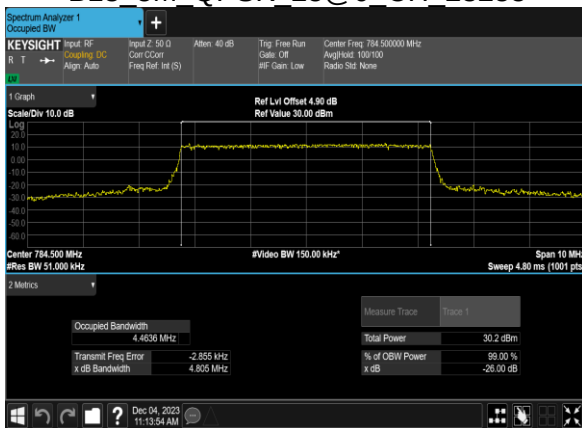
B13 5M QPSK 25@0 CH 23230



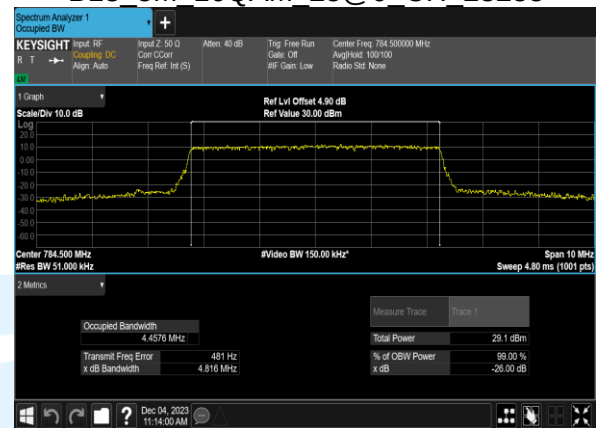
B13 5M 16QAM 25@0 CH 23230



B13 5M QPSK 25@0 CH 23255



B13 5M 16QAM 25@0 CH 23255



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Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
13	10.0	23230	782.0	QPSK	1@0	-30.13	-13	PASS
13	10.0	23230	782.0	16QAM	1@0	-30.38	-13	PASS
13	5.0	23230	782.0	QPSK	1@0	-30.7	-13	PASS
13	5.0	23230	782.0	16QAM	1@0	-30.06	-13	PASS
13	5.0	23255	784.5	QPSK	1@0	-30.51	-13	PASS
13	5.0	23255	784.5	16QAM	1@0	-30.86	-13	PASS

Test Graphs

B13 10M QPSK 1@0 CH 23230



B13 10M 16QAM 1@0 CH 23230



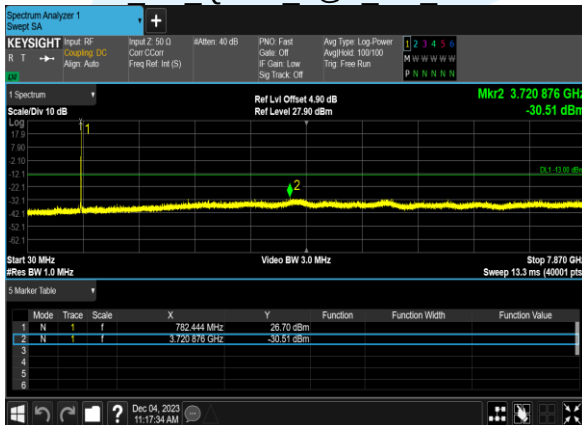
B13 5M QPSK 1@0 CH 23230



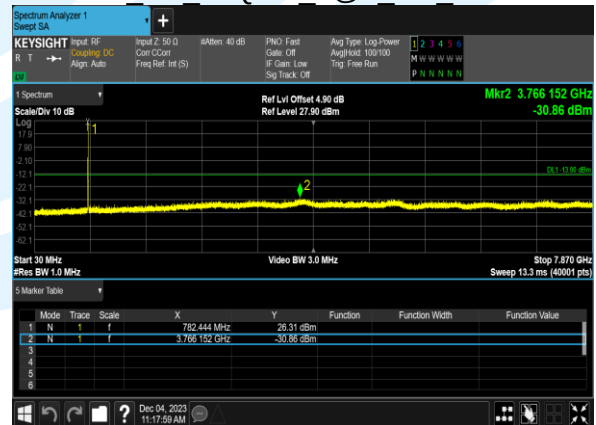
B13 5M 16QAM 1@0 CH 23230



B13 5M QPSK 1@0 CH 23255



B13 5M 16QAM 1@0 CH 23255



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Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
13	10.0	23230	782.0	QPSK	1@0	see graph	PASS
13	10.0	23230	782.0	QPSK	1@49	see graph	PASS
13	10.0	23230	782.0	QPSK	50@0	see graph	PASS
13	10.0	23230	782.0	16QAM	1@0	see graph	PASS
13	10.0	23230	782.0	16QAM	1@49	see graph	PASS
13	10.0	23230	782.0	16QAM	50@0	see graph	PASS
13	5.0	23205	779.5	QPSK	1@0	see graph	PASS
13	5.0	23205	779.5	QPSK	25@0	see graph	PASS
13	5.0	23205	779.5	16QAM	1@0	see graph	PASS
13	5.0	23205	779.5	16QAM	25@0	see graph	PASS
13	5.0	23255	784.5	QPSK	1@24	see graph	PASS
13	5.0	23255	784.5	QPSK	25@0	see graph	PASS
13	5.0	23255	784.5	16QAM	1@24	see graph	PASS
13	5.0	23255	784.5	16QAM	25@0	see graph	PASS

Test Graphs

B13 10M QPSK 50@0 CH 23230



Date: 4.JAN.2024 03:37:48

B13 10M QPSK 1@0 CH 23230



Date: 4.JAN.2024 03:35:33

B13 10M QPSK 1@49 CH 23230



Date: 4.JAN.2024 03:33:17

B13 10M 16QAM 50@0 CH 23230



Date: 4.JAN.2024 03:37:12

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B13 10M 16QAM 1@0 CH 23230



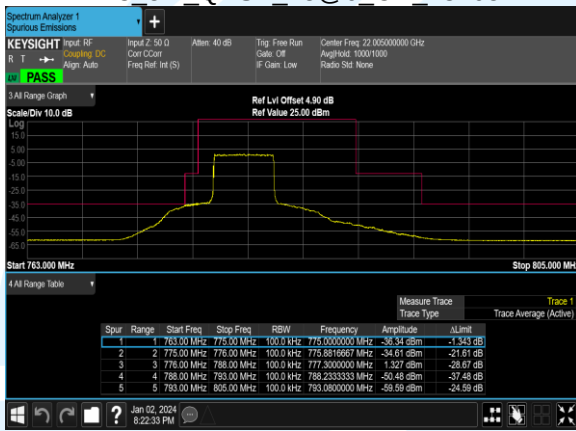
Date: 4.JAN.2024 03:36:09

B13 10M 16QAM 1@49 CH 23230



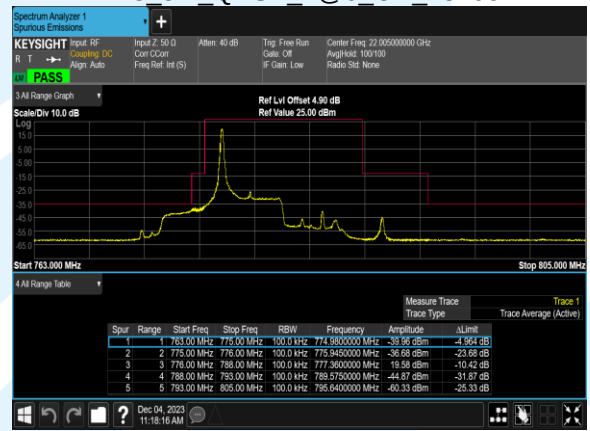
Date: 4.JAN.2024 03:31:31

B13 5M QPSK 25@0 CH 23205



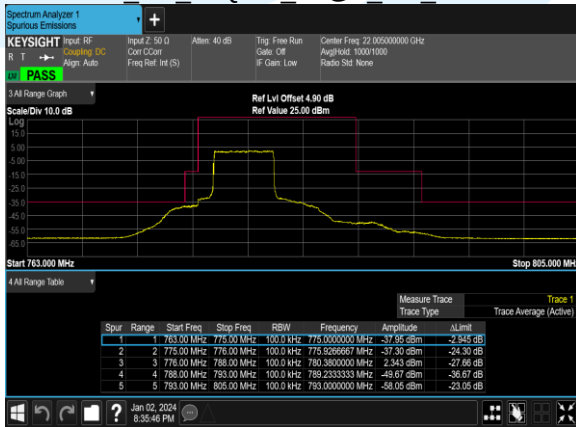
Jan 02, 2024 8:22:33 PM

B13 5M QPSK 1@0 CH 23205



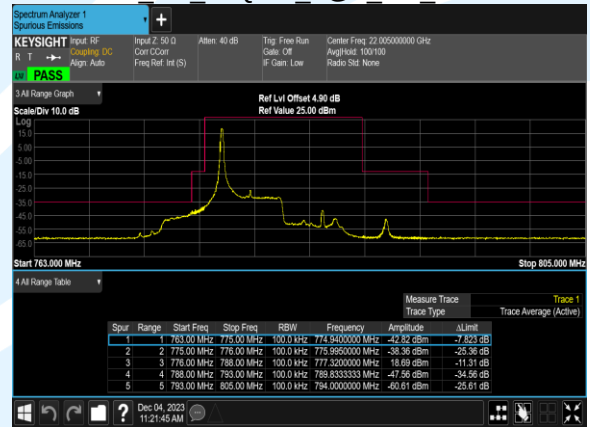
Dec 04, 2023 11:18:16 AM

B13 5M 16QAM 25@0 CH 23205



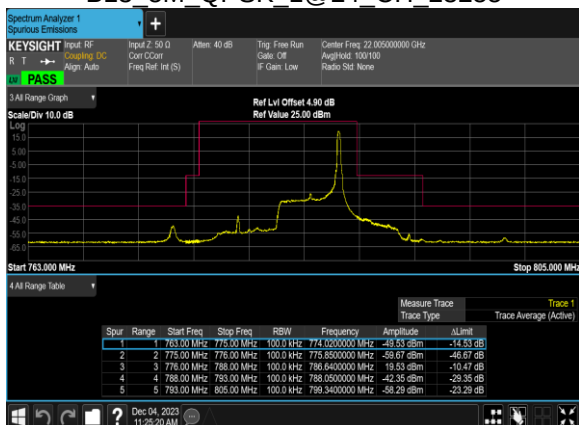
Jan 02, 2024 8:35:46 PM

B13 5M 16QAM 1@0 CH 23205

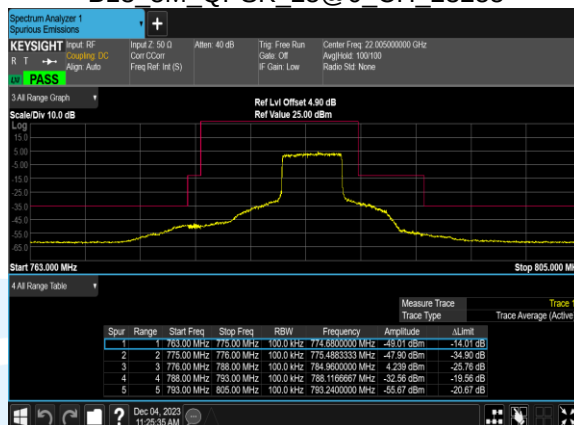


Dec 04, 2023 11:21:45 AM

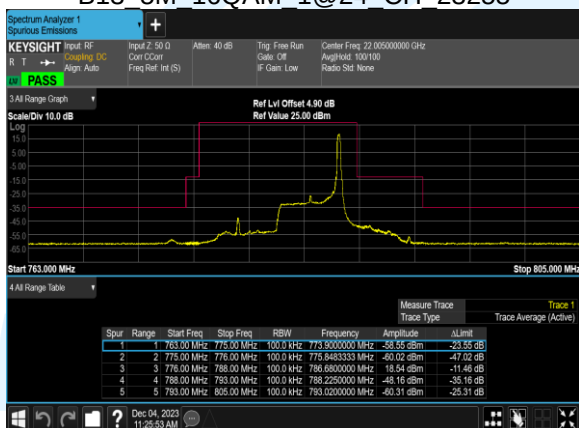
B13 5M QPSK 1@24 CH 23255



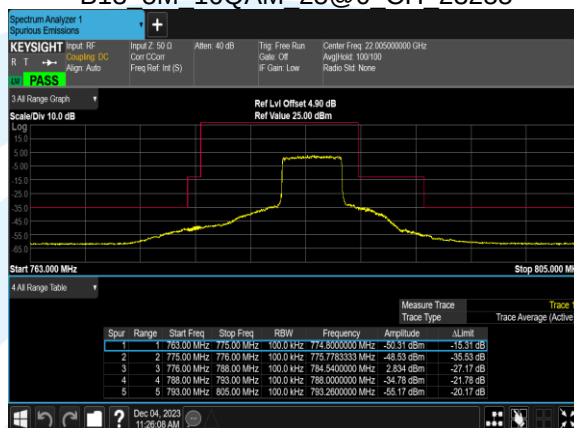
B13 5M QPSK 25@0 CH 23255



B13 5M 16QAM 1@24 CH 23255



B13 5M 16QAM 25@0 CH 23255



A.7 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	5.63	13	PASS
17	10.0	23780	709.0	16QAM	50@0	6.50	13	PASS
17	10.0	23790	710.0	QPSK	50@0	5.60	13	PASS
17	10.0	23790	710.0	16QAM	50@0	6.41	13	PASS
17	10.0	23800	711.0	QPSK	50@0	5.53	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	6.39	13	PASS
17	5.0	23790	710.0	QPSK	25@0	5.87	13	PASS
17	5.0	23790	710.0	16QAM	25@0	6.63	13	PASS
17	5.0	23825	713.5	QPSK	25@0	5.42	13	PASS
17	5.0	23825	713.5	16QAM	25@0	6.18	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



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B17 5M QPSK 25@0 CH 23755



B17 5M 16QAM 25@0 CH 23755



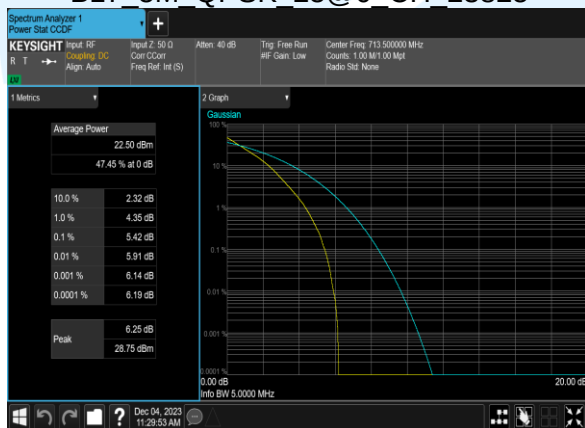
B17 5M QPSK 25@0 CH 23790



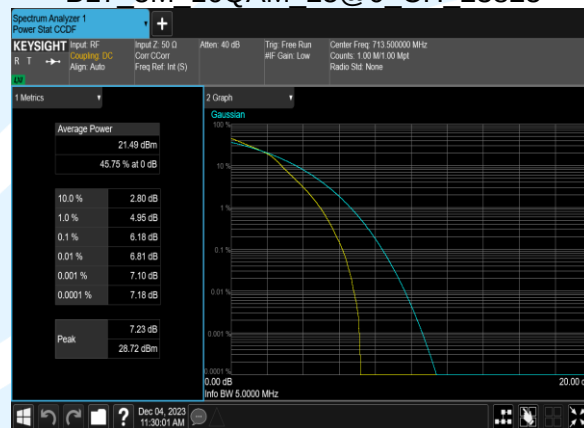
B17 5M 16QAM 25@0 CH 23790



B17 5M QPSK 25@0 CH 23825



B17 5M 16QAM 25@0 CH 23825

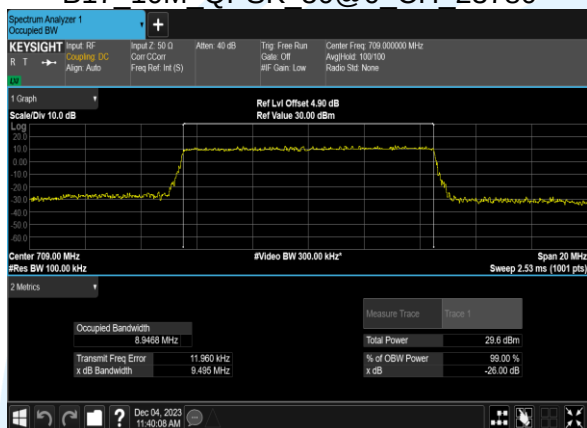


Occupied Bandwidth

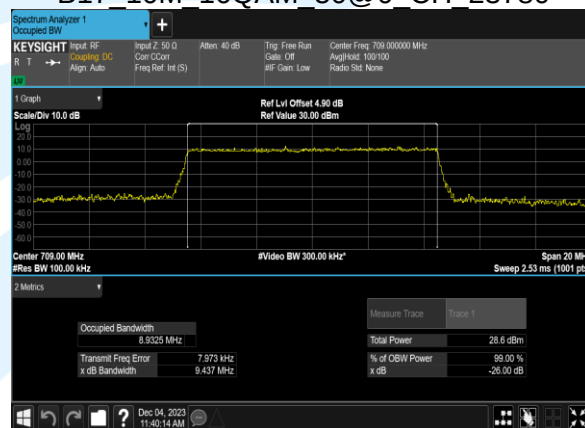
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
17	10.0	23780	709.0	QPSK	50@0	8.9468	9.495
17	10.0	23780	709.0	16QAM	50@0	8.9325	9.437
17	10.0	23790	710.0	QPSK	50@0	8.9133	9.379
17	10.0	23790	710.0	16QAM	50@0	8.8965	9.520
17	10.0	23800	711.0	QPSK	50@0	8.9153	9.446
17	10.0	23800	711.0	16QAM	50@0	8.9294	9.471
17	5.0	23755	706.5	QPSK	25@0	4.4536	4.816
17	5.0	23755	706.5	16QAM	25@0	4.4652	4.818
17	5.0	23790	710.0	QPSK	25@0	4.4606	4.829
17	5.0	23790	710.0	16QAM	25@0	4.4593	4.769
17	5.0	23825	713.5	QPSK	25@0	4.4550	4.799
17	5.0	23825	713.5	16QAM	25@0	4.4678	4.828

Test Graphs

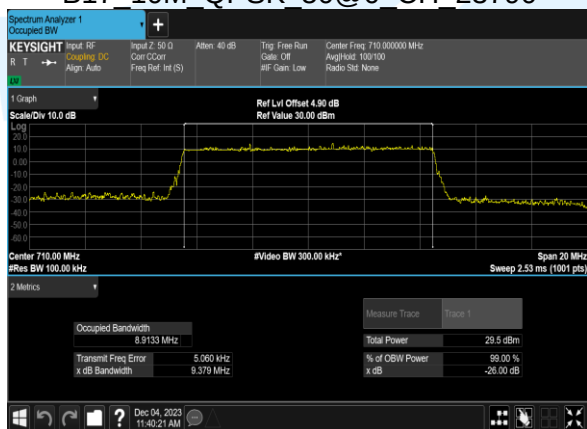
B17_10M_QPSK_50@0_CH_23780



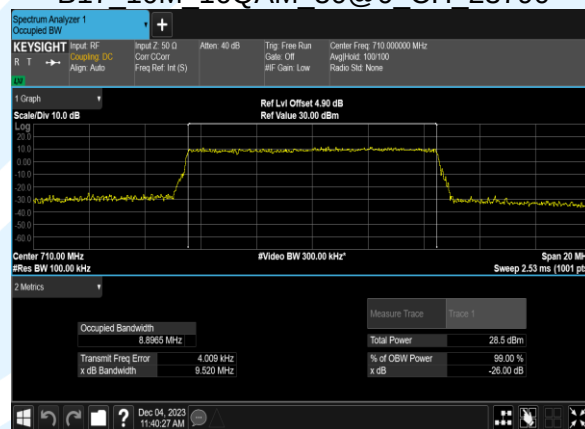
B17_10M_16QAM_50@0_CH_23780



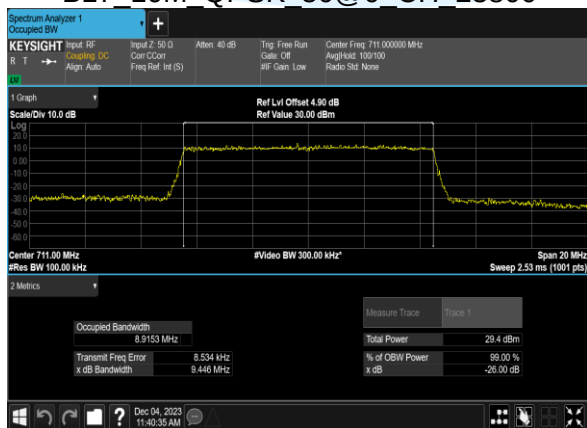
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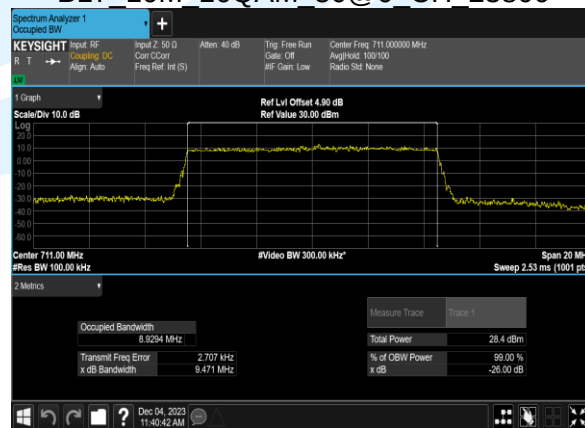
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