

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



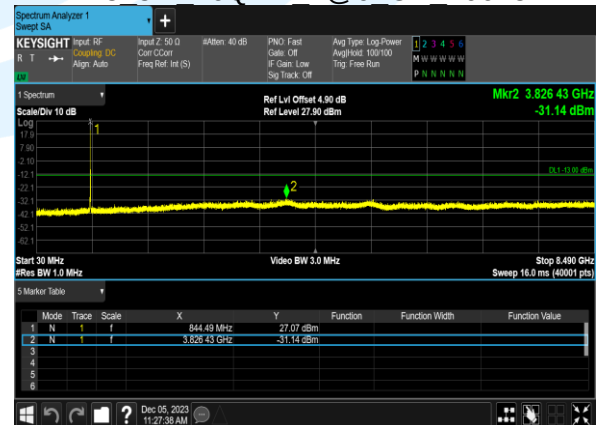
B5_5M 16QAM 1@0 CH 20525



B5_5M QPSK 1@0 CH 20625



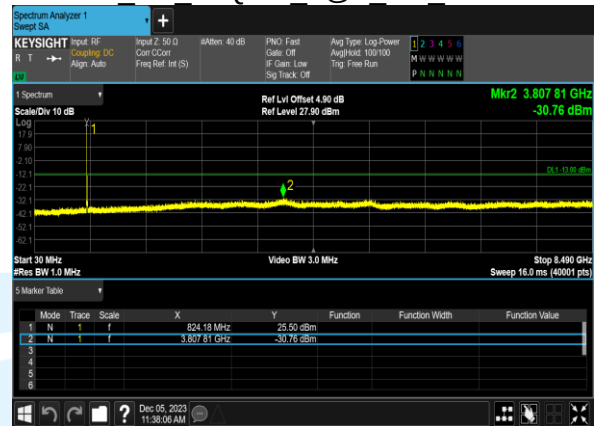
B5_5M 16QAM 1@0 CH 20625



B5 3M QPSK 1@0 CH 20415



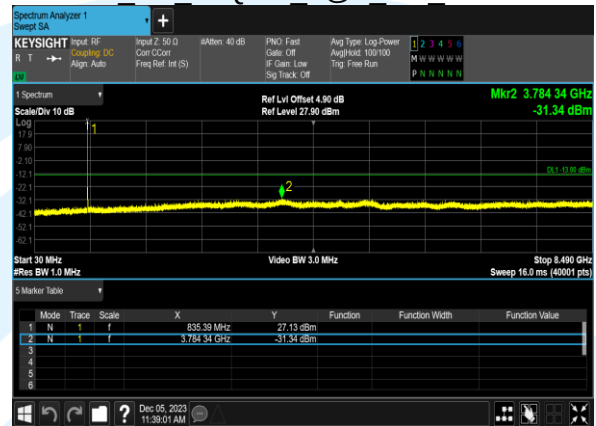
B5 3M 16QAM 1@0 CH 20415



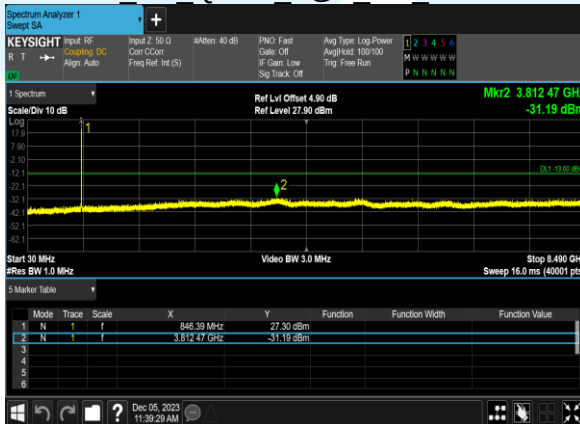
B5 3M QPSK 1@0 CH 20525



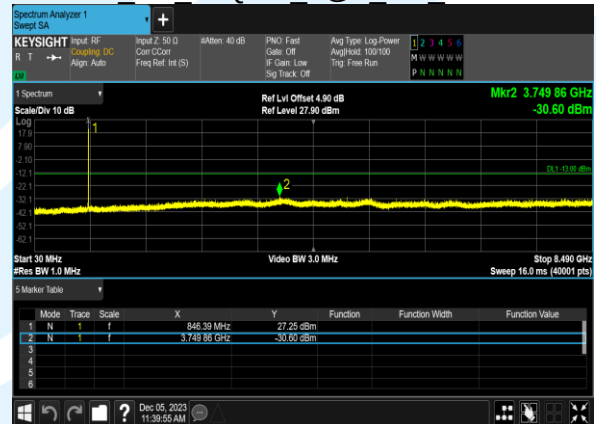
B5 3M 16QAM 1@0 CH 20525



B5 3M QPSK 1@0 CH 20635



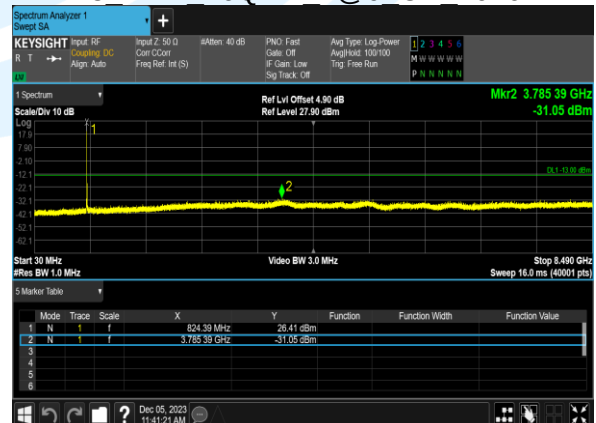
B5 3M 16QAM 1@0 CH 20635



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

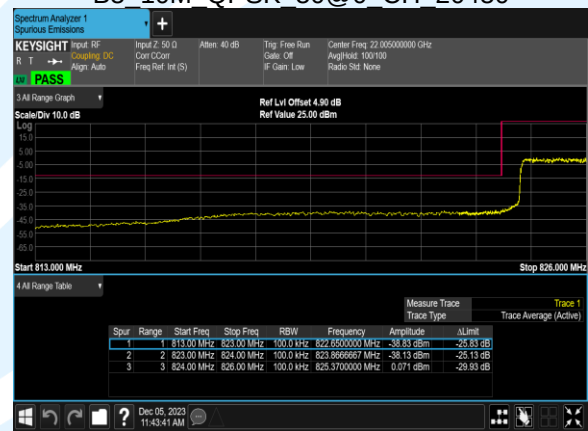
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
5	10.0	20450	829.0	QPSK	1@0	see graph	PASS
5	10.0	20450	829.0	QPSK	50@0	see graph	PASS
5	10.0	20450	829.0	16QAM	1@0	see graph	PASS
5	10.0	20450	829.0	16QAM	50@0	see graph	PASS
5	10.0	20600	844.0	QPSK	1@49	see graph	PASS
5	10.0	20600	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

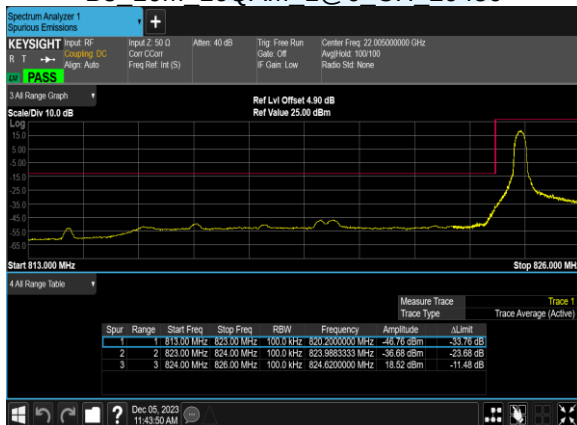
B5 10M QPSK 1@0 CH 20450



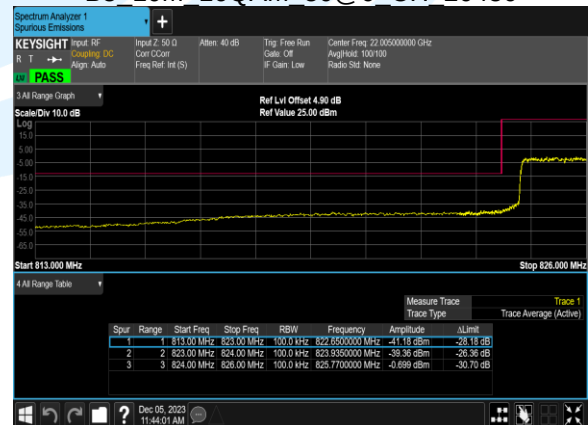
B5 10M QPSK 50@0 CH 20450



B5 10M 16QAM 1@0 CH 20450



B5 10M 16QAM 50@0 CH 20450



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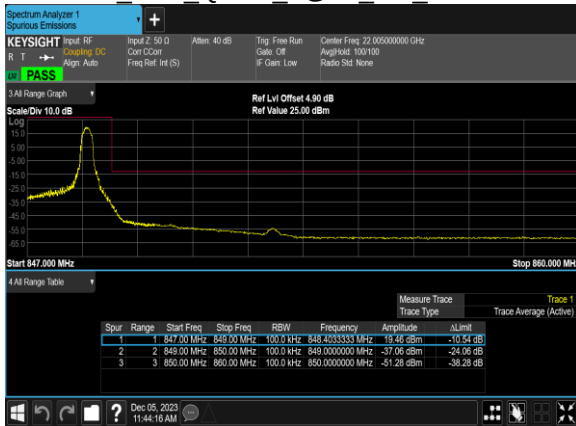
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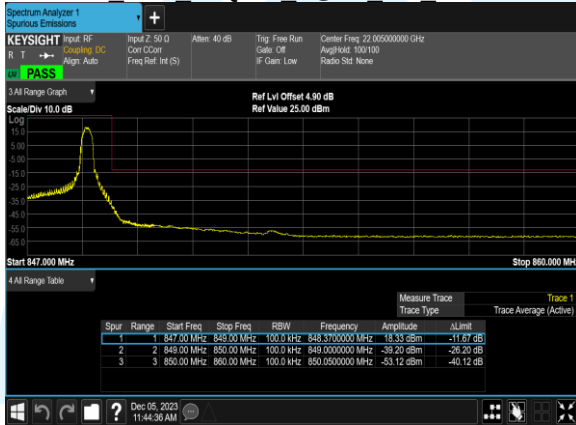
B5 10M QPSK 1@49 CH 20600



B5 10M QPSK 50@0 CH 20600



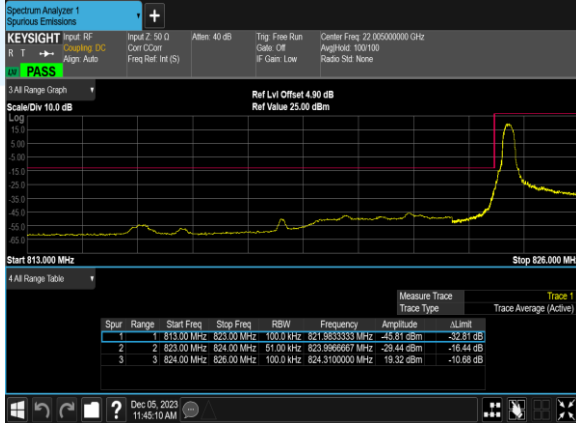
B5 10M 16QAM 1@49 CH 20600



B5 10M 16QAM 50@0 CH 20600



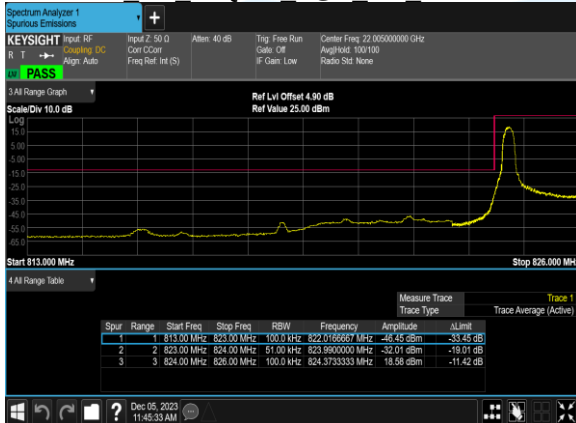
B5 5M QPSK 1@0 CH 20425



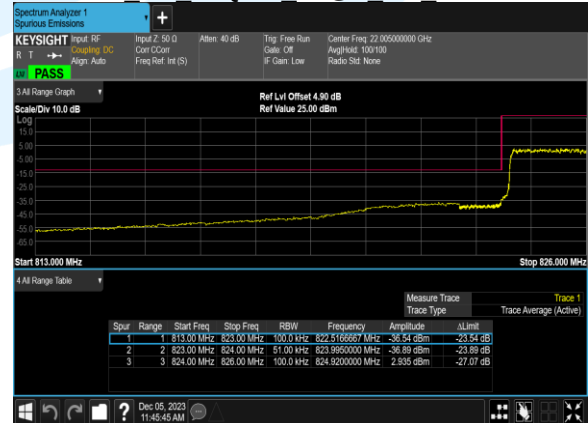
B5 5M QPSK 25@0 CH 20425



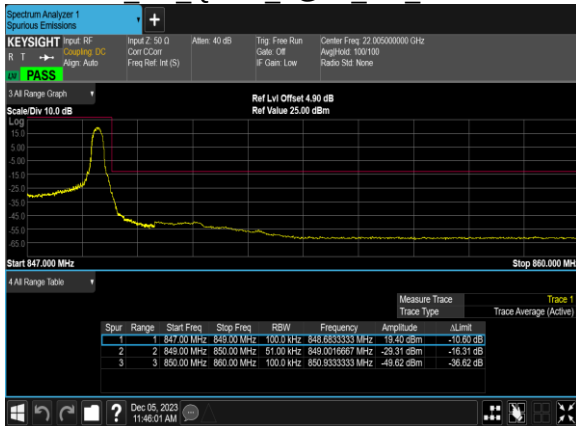
B5 5M 16QAM 1@0 CH 20425



B5 5M 16QAM 25@0 CH 20425



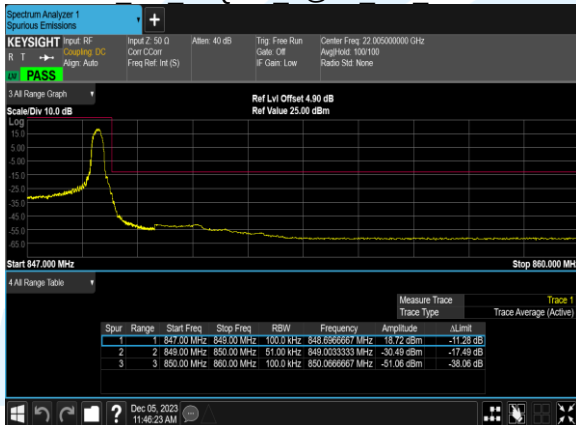
B5 5M QPSK 1@24 CH 20625



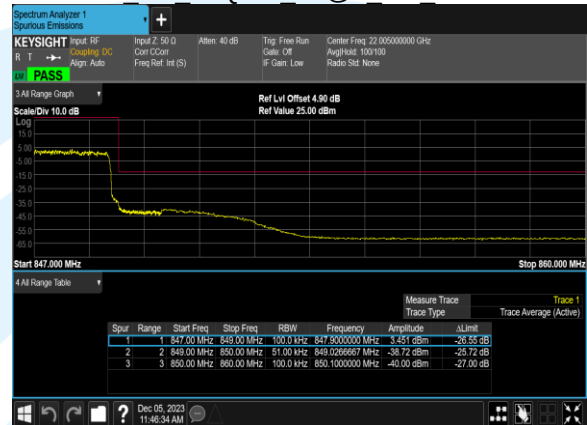
B5 5M QPSK 25@0 CH 20625



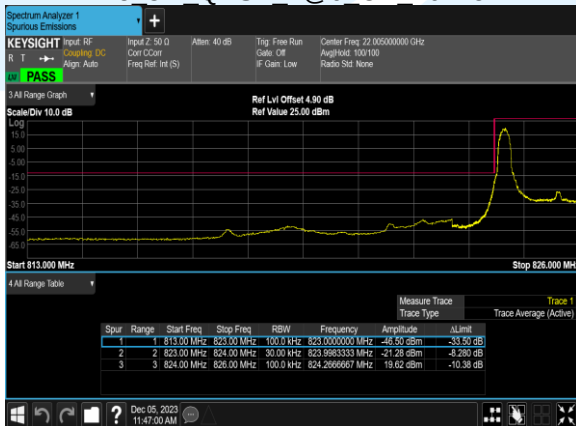
B5 5M 16QAM 1@24 CH 20625



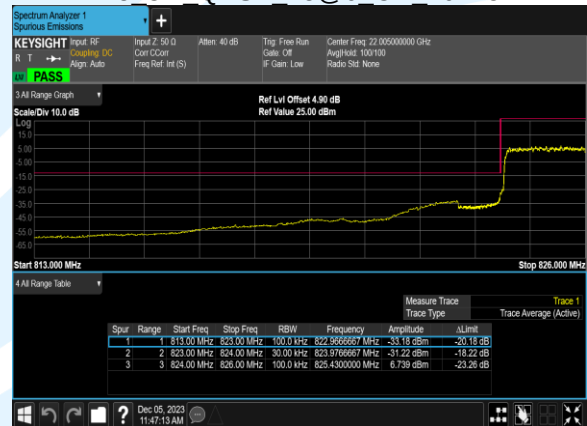
B5 5M 16QAM 25@0 CH 20625



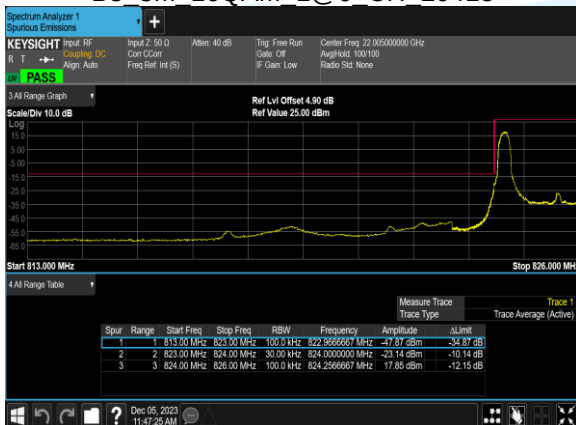
B5 3M QPSK 1@0 CH 20415



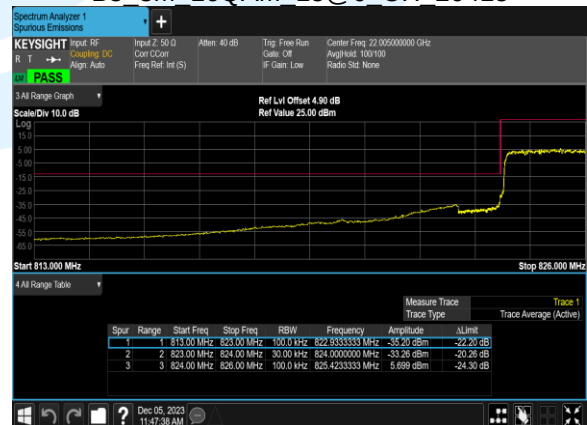
B5 3M QPSK 15@0 CH 20415



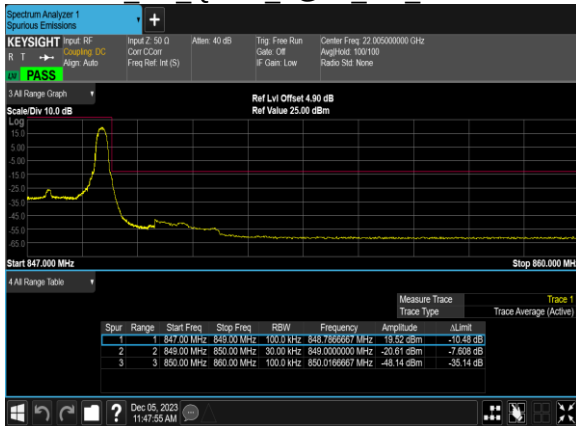
B5 3M 16QAM 1@0 CH 20415



B5 3M 16QAM 15@0 CH 20415



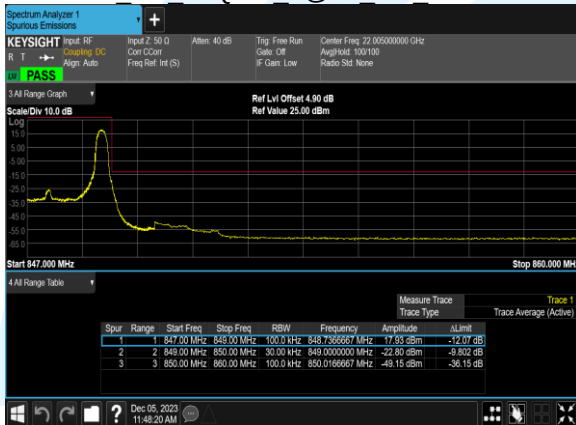
B5 3M QPSK 1@14 CH 20635



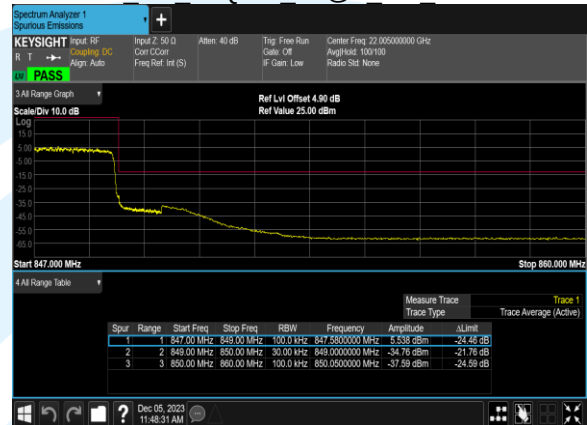
B5 3M QPSK 15@0 CH 20635



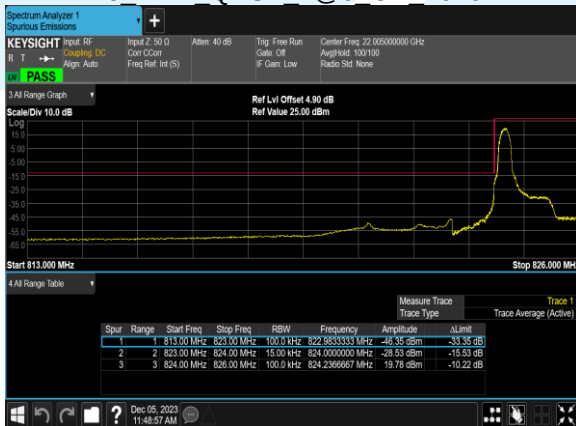
B5 3M 16QAM 1@14 CH 20635



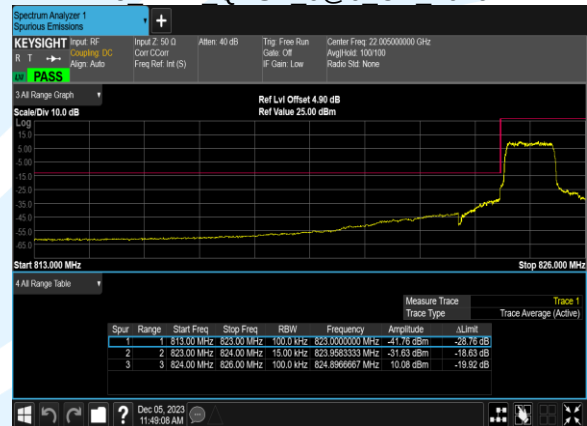
B5 3M 16QAM 15@0 CH 20635



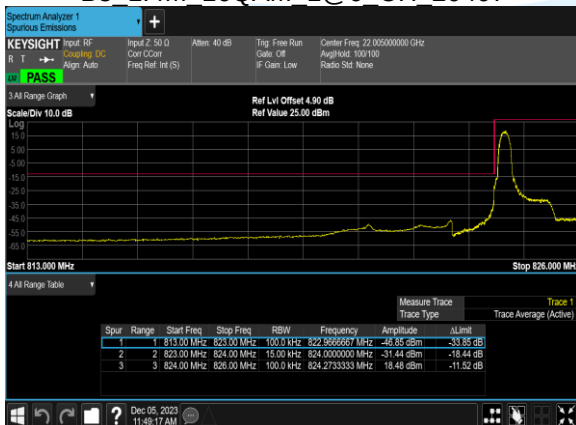
B5 1.4M QPSK 1@0 CH 20407



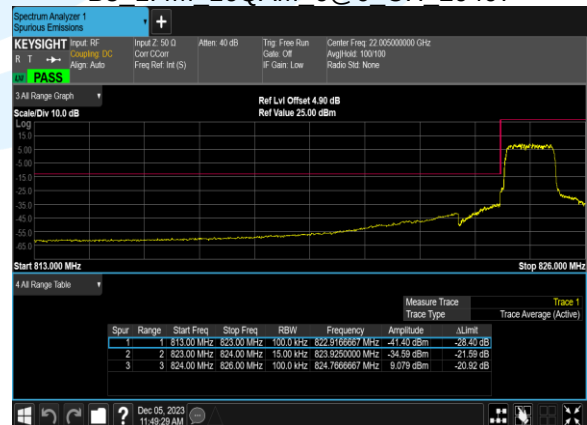
B5 1.4M QPSK 6@0 CH 20407



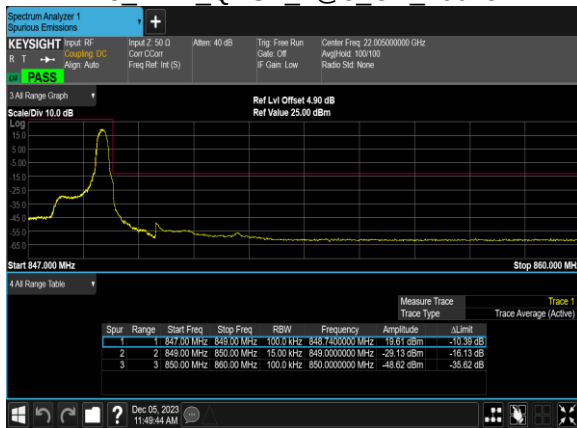
B5 1.4M 16QAM 1@0 CH 20407



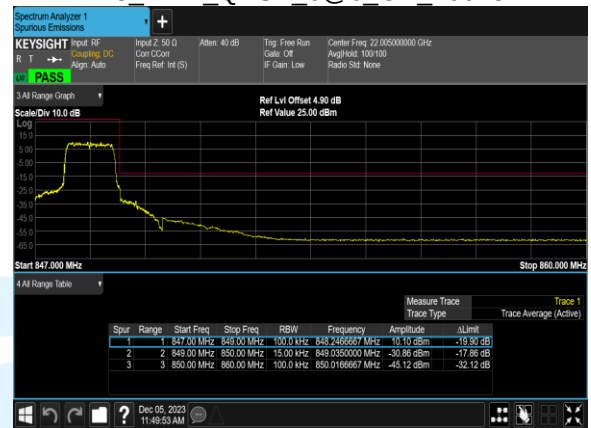
B5 1.4M 16QAM 6@0 CH 20407



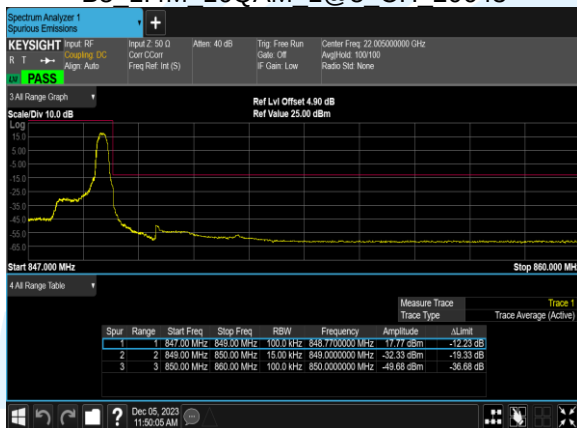
B5 1.4M QPSK 1@5 CH 20643



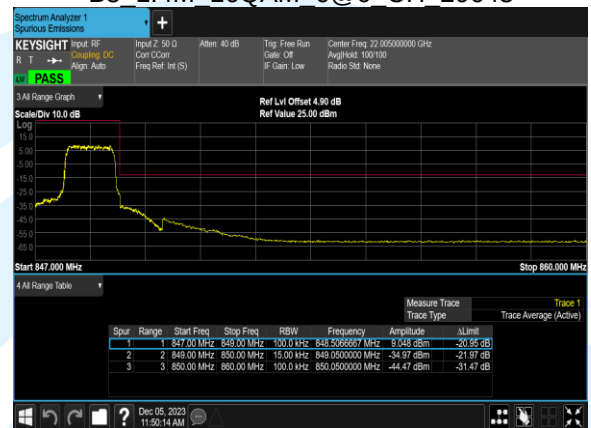
B5 1.4M QPSK 6@0 CH 20643



B5 1.4M 16QAM 1@5 CH 20643



B5 1.4M 16QAM 6@0 CH 20643



A.4 LTE BAND 7

Peak to Average Ratio

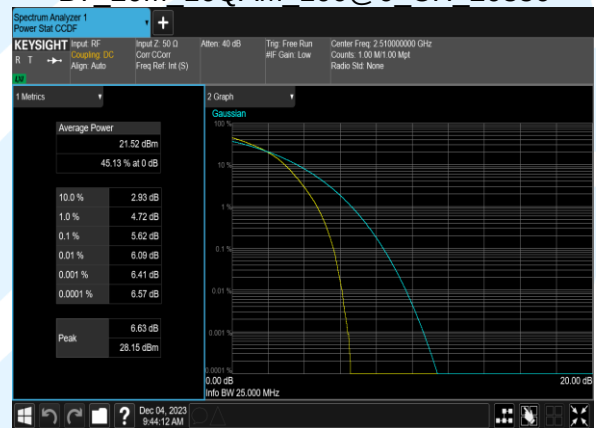
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	20.0	20850	2510.0	QPSK	100@0	4.80	13	PASS
7	20.0	20850	2510.0	16QAM	100@0	5.62	13	PASS
7	20.0	21100	2535.0	QPSK	100@0	5.07	13	PASS
7	20.0	21100	2535.0	16QAM	100@0	5.89	13	PASS
7	20.0	21350	2560.0	QPSK	100@0	5.13	13	PASS
7	20.0	21350	2560.0	16QAM	100@0	5.87	13	PASS
7	15.0	20825	2507.5	QPSK	75@0	4.75	13	PASS
7	15.0	20825	2507.5	16QAM	75@0	5.68	13	PASS
7	15.0	21100	2535.0	QPSK	75@0	5.11	13	PASS
7	15.0	21100	2535.0	16QAM	75@0	5.91	13	PASS
7	15.0	21375	2562.5	QPSK	75@0	5.13	13	PASS
7	15.0	21375	2562.5	16QAM	75@0	5.89	13	PASS
7	10.0	20800	2505.0	QPSK	50@0	4.91	13	PASS
7	10.0	20800	2505.0	16QAM	50@0	5.73	13	PASS
7	10.0	21100	2535.0	QPSK	50@0	5.16	13	PASS
7	10.0	21100	2535.0	16QAM	50@0	5.96	13	PASS
7	10.0	21400	2565.0	QPSK	50@0	5.14	13	PASS
7	10.0	21400	2565.0	16QAM	50@0	5.88	13	PASS
7	5.0	20775	2502.5	QPSK	25@0	4.96	13	PASS
7	5.0	20775	2502.5	16QAM	25@0	5.73	13	PASS
7	5.0	21100	2535.0	QPSK	25@0	5.18	13	PASS
7	5.0	21100	2535.0	16QAM	25@0	5.83	13	PASS
7	5.0	21425	2567.5	QPSK	25@0	5.21	13	PASS
7	5.0	21425	2567.5	16QAM	25@0	5.91	13	PASS

Test Graphs

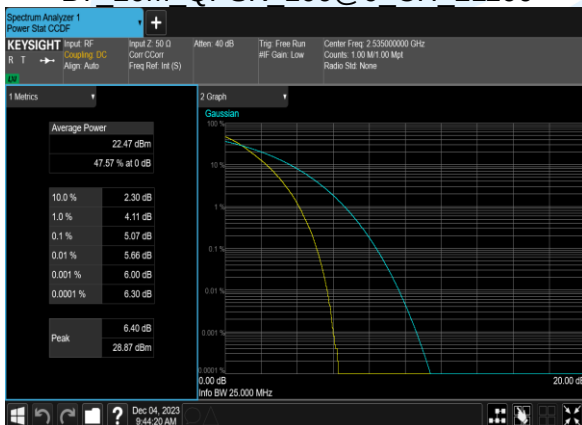
B7 20M QPSK 100@0 CH 20850



B7 20M 16QAM 100@0 CH 20850



B7 20M QPSK 100@0 CH 21100



B7 20M 16QAM 100@0 CH 21100



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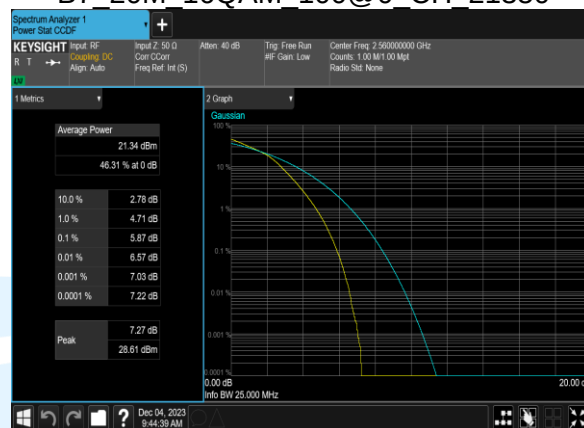
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B7 20M QPSK 100@0 CH 21350



B7 20M 16QAM 100@0 CH 21350



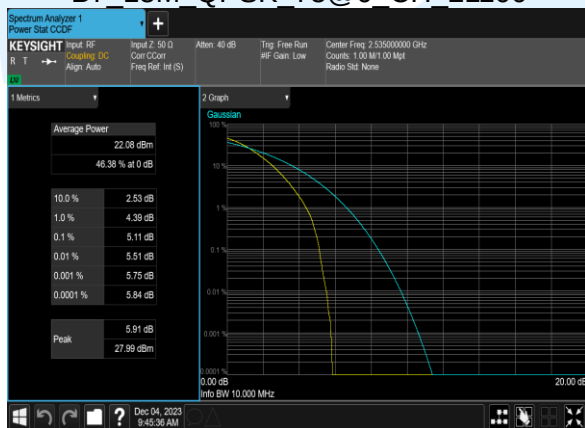
B7 15M QPSK 75@0 CH 20825



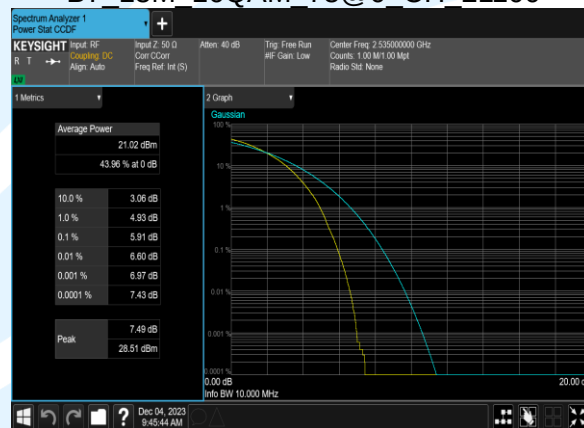
B7 15M 16QAM 75@0 CH 20825



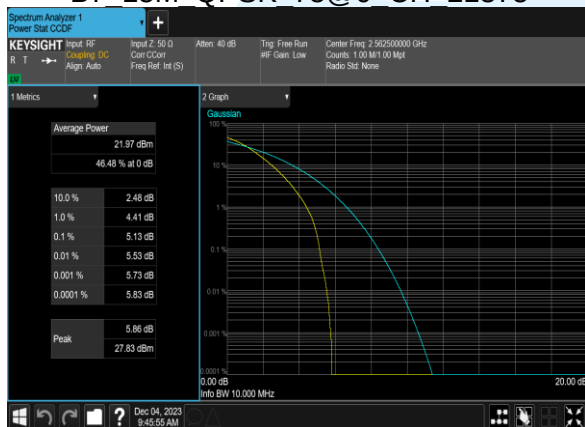
B7 15M QPSK 75@0 CH 21100



B7 15M 16QAM 75@0 CH 21100



B7 15M QPSK 75@0 CH 21375



B7 15M 16QAM 75@0 CH 21375



B7 10M QPSK 50@0 CH 20800



B7 10M 16QAM 50@0 CH 20800



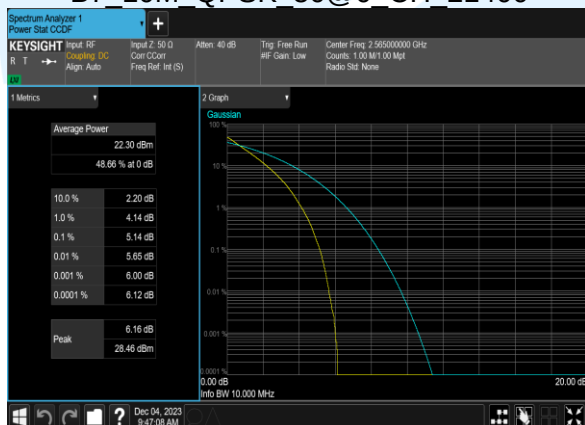
B7 10M QPSK 50@0 CH 21100



B7 10M 16QAM 50@0 CH 21100



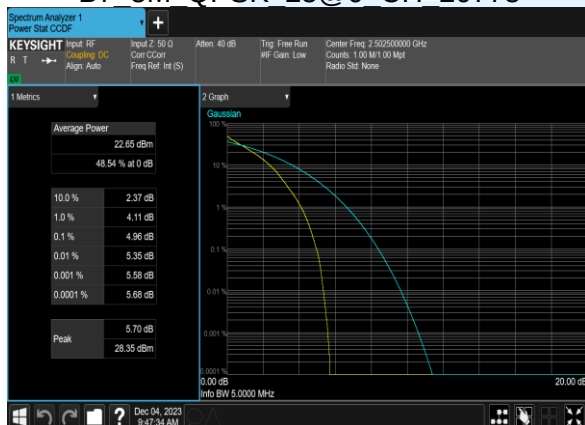
B7 10M QPSK 50@0 CH 21400



B7 10M 16QAM 50@0 CH 21400



B7 5M QPSK 25@0 CH 20775



B7 5M 16QAM 25@0 CH 20775



B7 5M QPSK 25@0 CH 21100



B7 5M 16QAM 25@0 CH 21100



B7 5M QPSK 25@0 CH 21425



B7 5M 16QAM 25@0 CH 21425

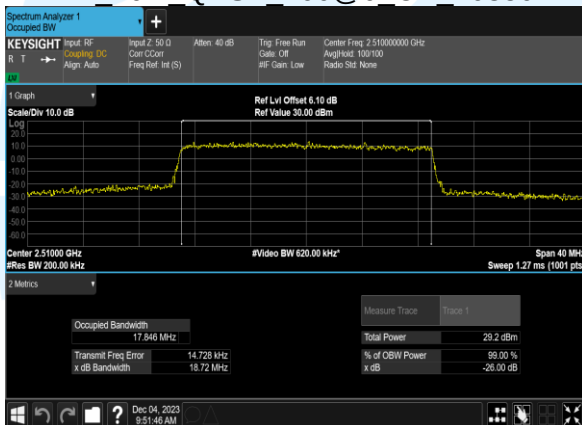


Occupied Bandwidth

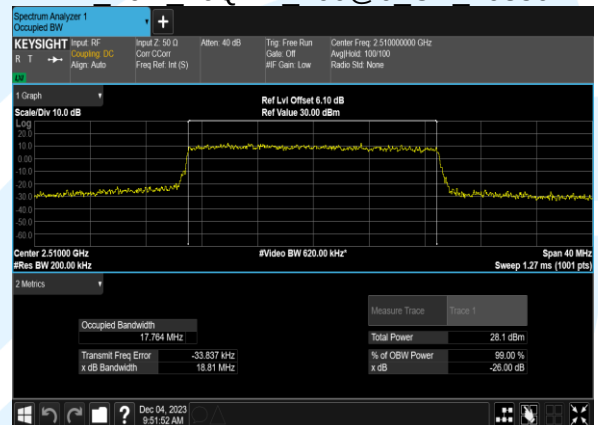
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	20.0	20850	2510.0	QPSK	100@0	17.846	18.72
7	20.0	20850	2510.0	16QAM	100@0	17.764	18.81
7	20.0	21100	2535.0	QPSK	100@0	17.843	18.86
7	20.0	21100	2535.0	16QAM	100@0	17.851	18.77
7	20.0	21350	2560.0	QPSK	100@0	17.916	19.09
7	20.0	21350	2560.0	16QAM	100@0	17.867	18.96
7	15.0	20825	2507.5	QPSK	75@0	13.391	14.05
7	15.0	20825	2507.5	16QAM	75@0	13.378	14.14
7	15.0	21100	2535.0	QPSK	75@0	13.397	14.26
7	15.0	21100	2535.0	16QAM	75@0	13.434	14.18
7	15.0	21375	2562.5	QPSK	75@0	13.438	14.33
7	15.0	21375	2562.5	16QAM	75@0	13.419	14.30
7	10.0	20800	2505.0	QPSK	50@0	8.8961	9.472
7	10.0	20800	2505.0	16QAM	50@0	8.9065	9.518
7	10.0	21100	2535.0	QPSK	50@0	8.9413	9.556
7	10.0	21100	2535.0	16QAM	50@0	8.9352	9.447
7	10.0	21400	2565.0	QPSK	50@0	8.9647	9.463
7	10.0	21400	2565.0	16QAM	50@0	8.9345	9.544
7	5.0	20775	2502.5	QPSK	25@0	4.4612	4.755
7	5.0	20775	2502.5	16QAM	25@0	4.4556	4.804
7	5.0	21100	2535.0	QPSK	25@0	4.4531	4.814
7	5.0	21100	2535.0	16QAM	25@0	4.4598	4.831
7	5.0	21425	2567.5	QPSK	25@0	4.4590	4.847
7	5.0	21425	2567.5	16QAM	25@0	4.4581	4.793

Test Graphs

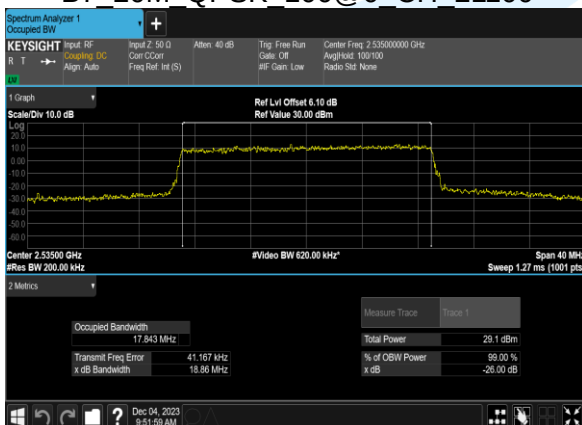
B7 20M QPSK 100@0 CH 20850



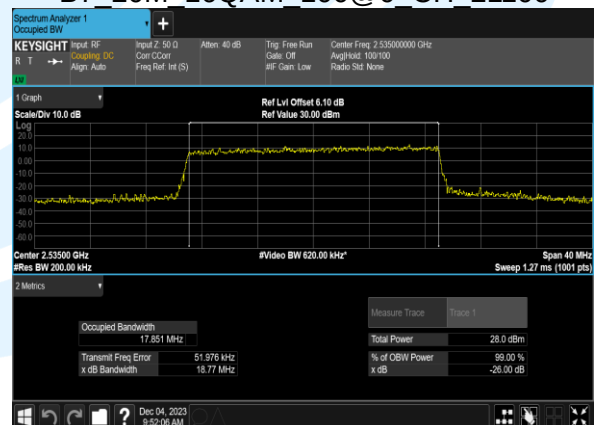
B7 20M 16QAM 100@0 CH 20850



B7 20M QPSK 100@0 CH 21100



B7 20M 16QAM 100@0 CH 21100



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