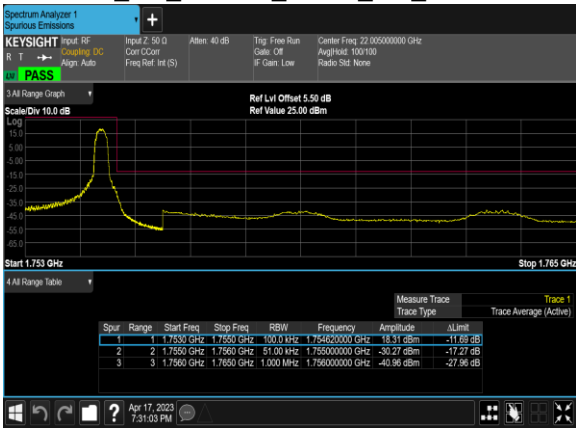
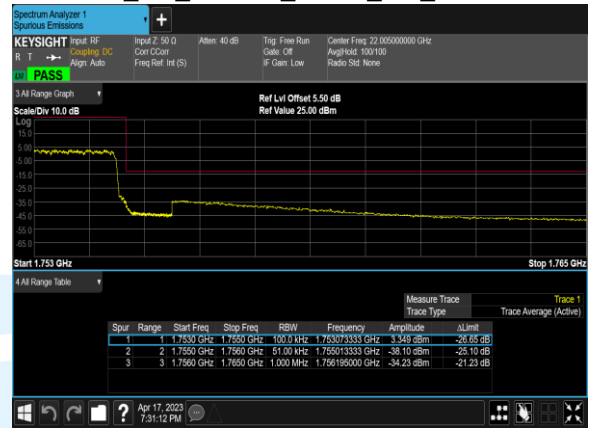


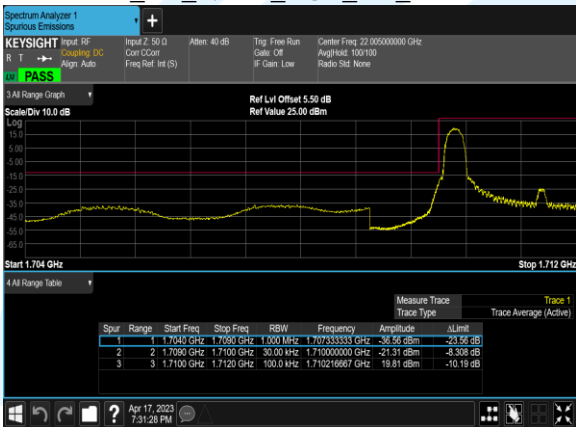
B4_5M_16QAM_1@24_CH_20375



B4_5M_16QAM_25@0_CH_20375



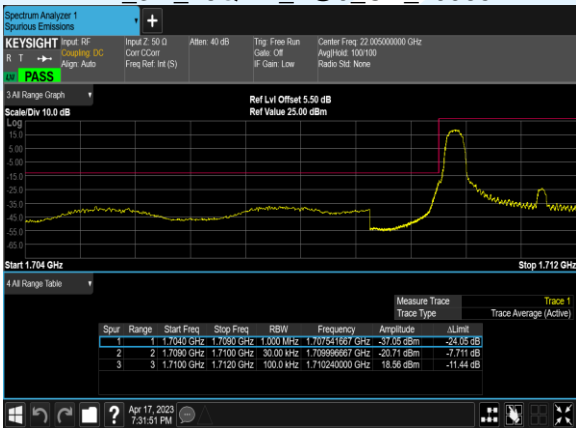
B4_3M_QPSK_1@0_CH_19965



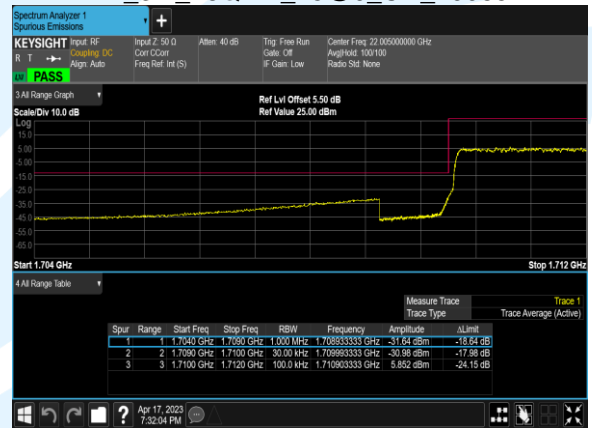
B4_3M_QPSK_15@0_CH_19965



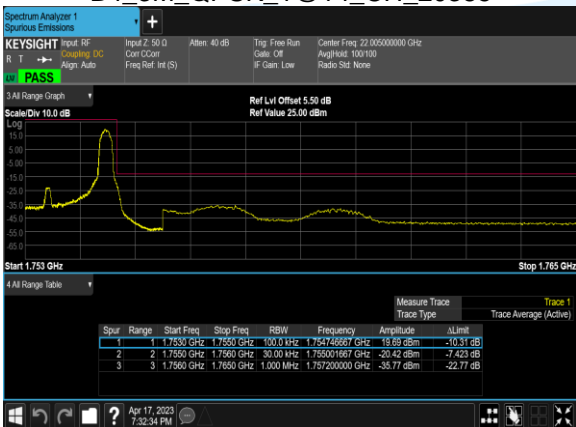
B4_3M_16QAM_1@0_CH_19965



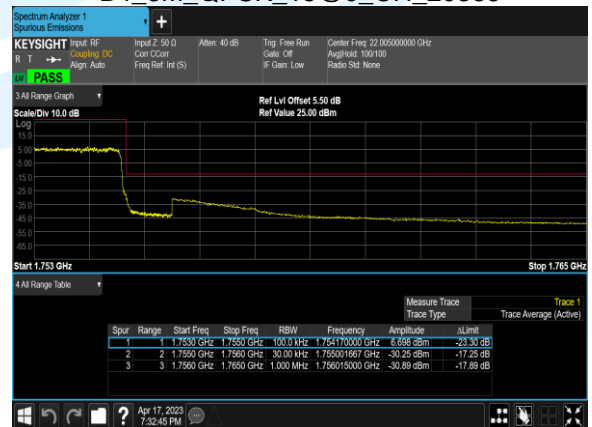
B4_3M_16QAM_15@0_CH_19965



B4_3M_QPSK_1@14_CH_20385



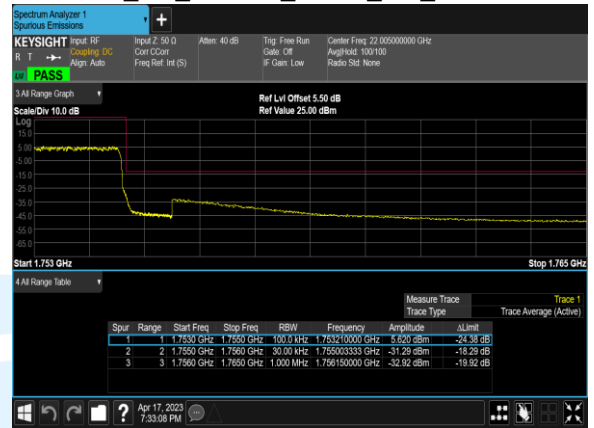
B4_3M_QPSK_15@0_CH_20385



B4_3M_16QAM_1@14_CH_20385



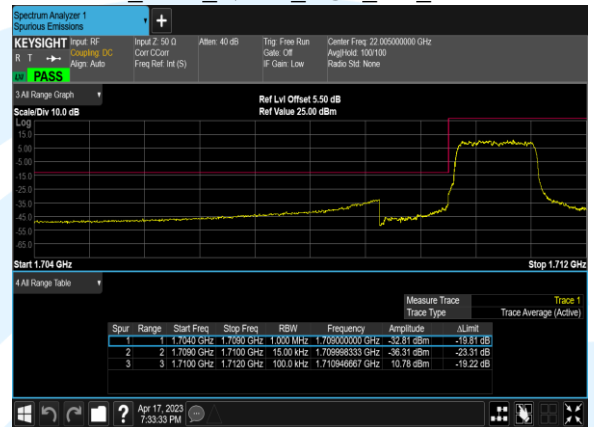
B4_3M_16QAM_15@0_CH_20385



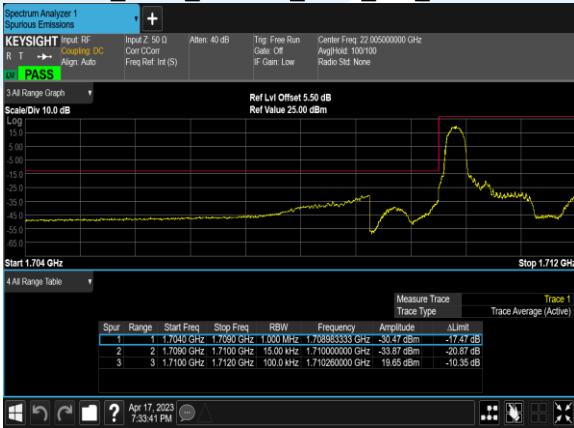
B4_1.4M_QPSK_1@0_CH_19957



B4_1.4M_QPSK_6@0_CH_19957



B4_1.4M_16QAM_1@0_CH_19957



B4_1.4M_16QAM_6@0_CH_19957



B4_1.4M_QPSK_1@5_CH_20393



B4_1.4M_QPSK_6@0_CH_20393



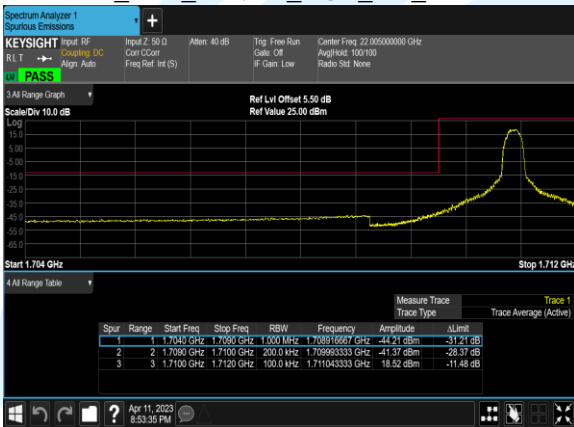
B4_1.4M_16QAM_1@5_CH_20393



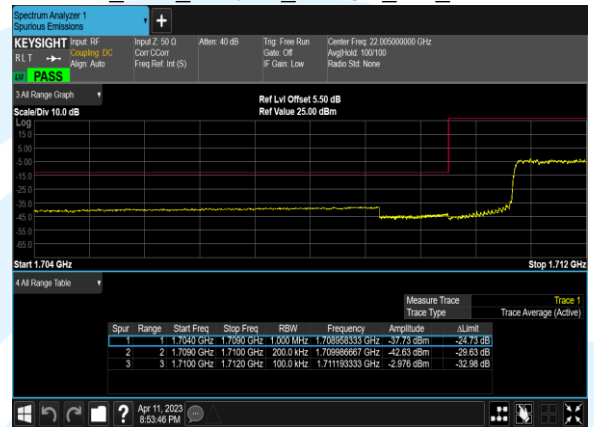
B4_1.4M_16QAM_6@0_CH_20393



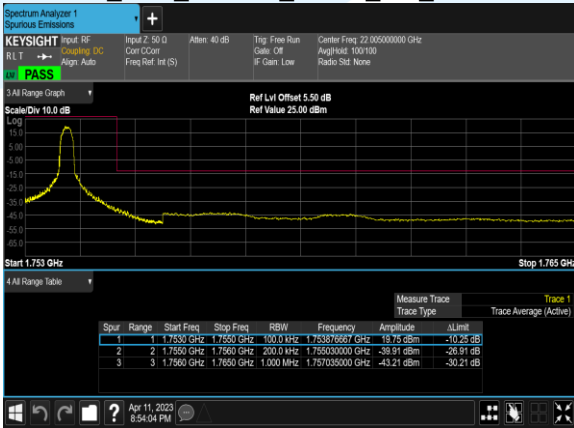
B4_20M_64QAM_1@0_CH_20050



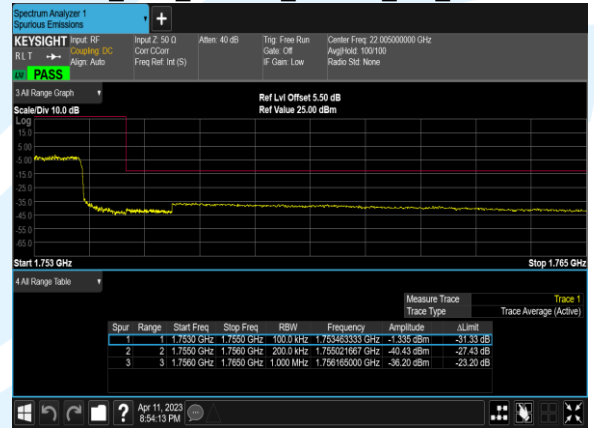
B4_20M_64QAM_100@0_CH_20050



B4_20M_64QAM_1@99_CH_20300



B4_20M_64QAM_100@0_CH_20300



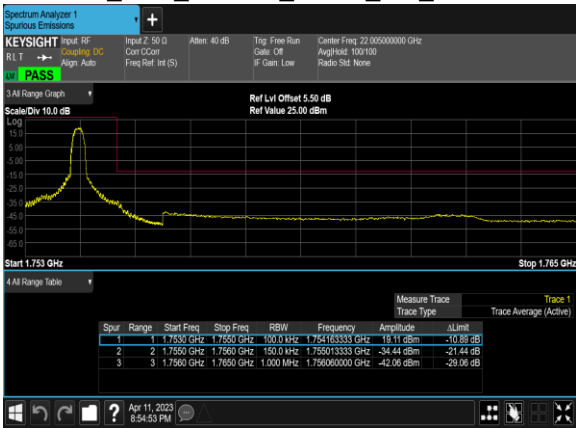
B4_15M_64QAM_1@0_CH_20025



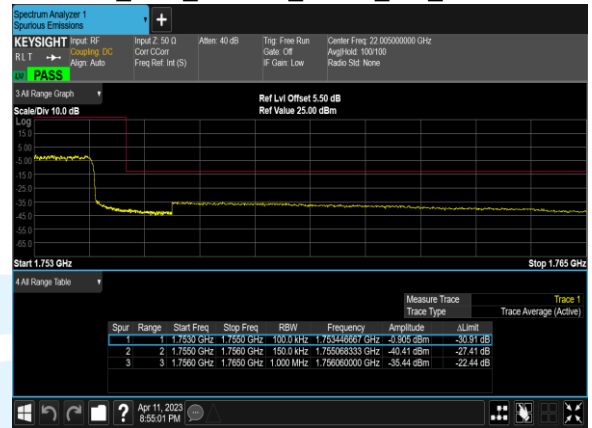
B4_15M_64QAM_75@0_CH_20025



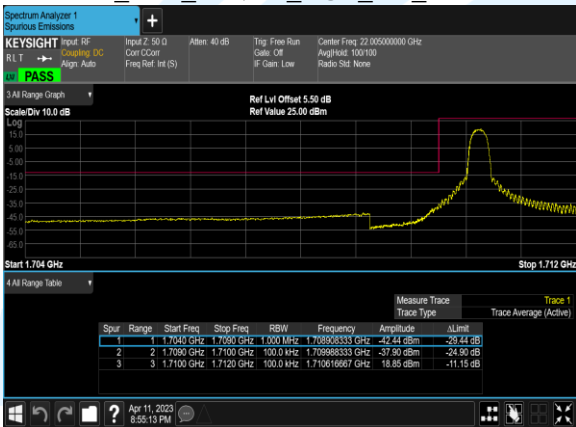
B4_15M_64QAM_1@74_CH_20325



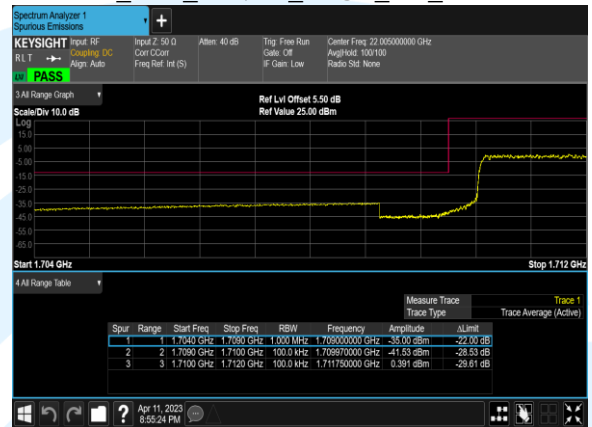
B4_15M_64QAM_75@0_CH_20325



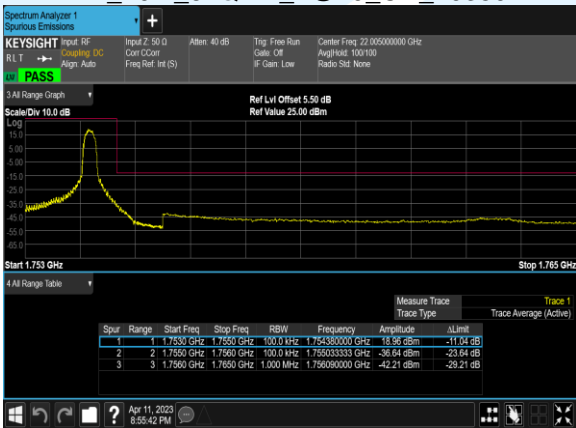
B4_10M_64QAM_1@0_CH_20000



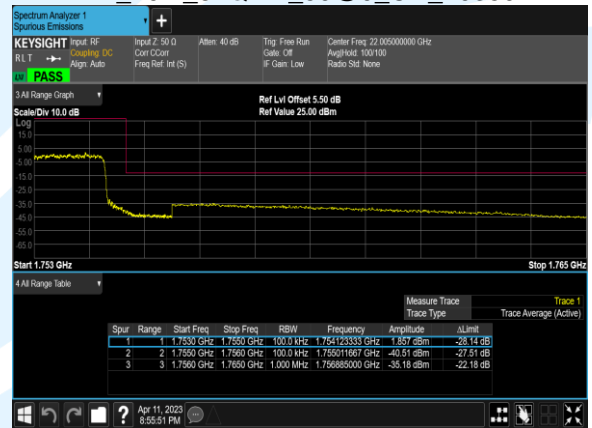
B4_10M_64QAM_50@0_CH_20000



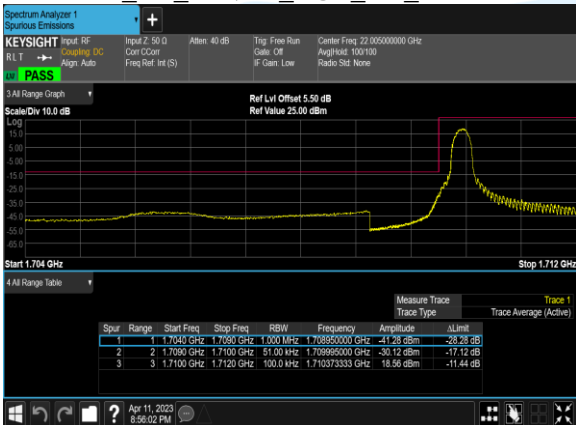
B4_10M_64QAM_1@49_CH_20350



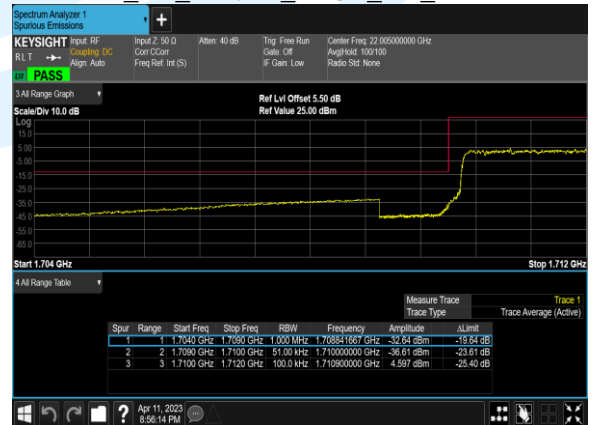
B4_10M_64QAM_50@0_CH_20350



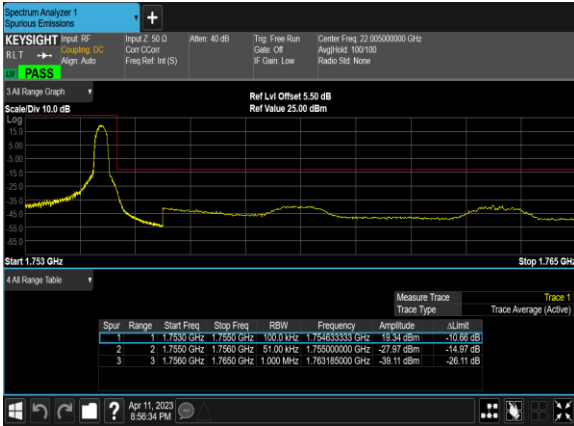
B4_5M_64QAM_1@0_CH_19975



B4_5M_64QAM_25@0_CH_19975



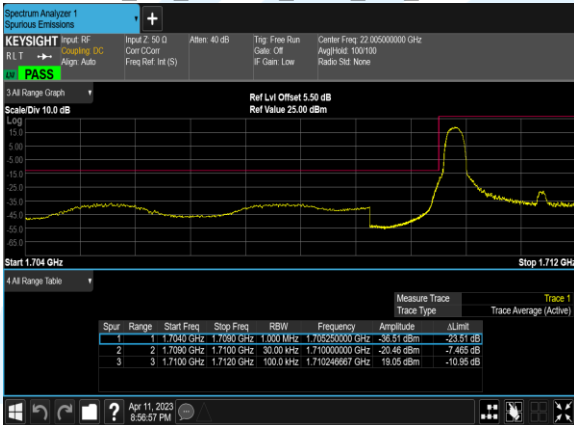
B4_5M_64QAM_1@24_CH_20375



B4_5M_64QAM_25@0_CH_20375



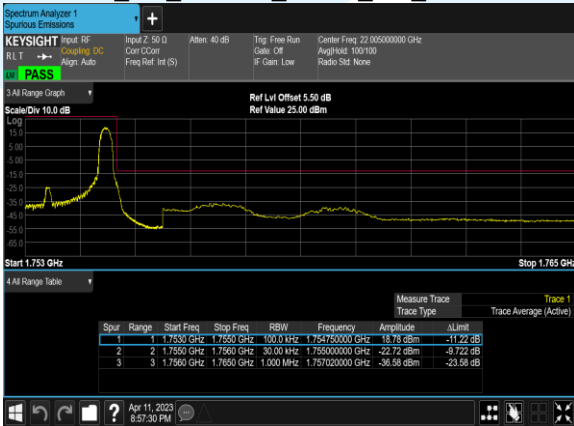
B4_3M_64QAM_1@0_CH_19965



B4_3M_64QAM_15@0_CH_19965



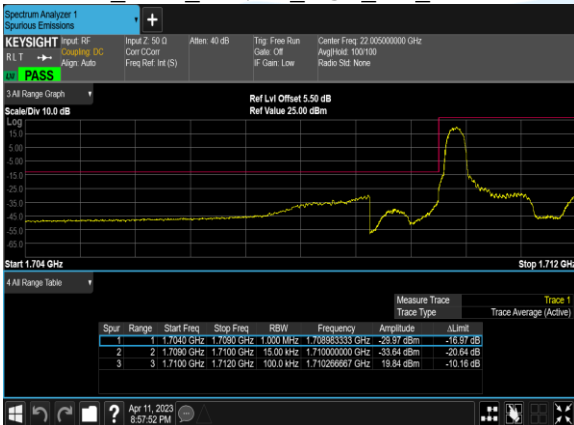
B4_3M_64QAM_1@14_CH_20385



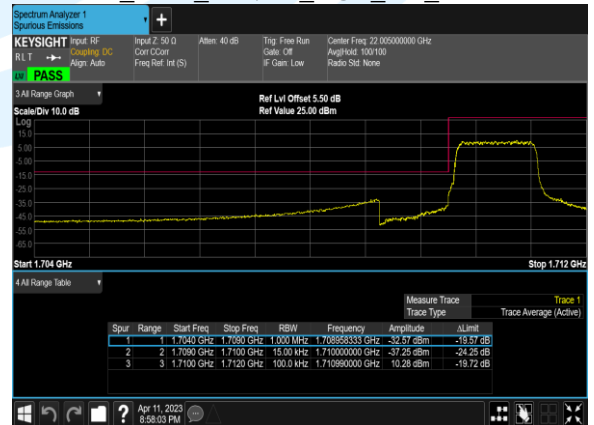
B4_3M_64QAM_15@0_CH_20385



B4_1.4M_64QAM_1@0_CH_19957



B4_1.4M_64QAM_6@0_CH_19957



B4_1.4M_64QAM_1@5_CH_20393



B4_1.4M_64QAM_6@0_CH_20393



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A.3 LTE BAND 5

Peak to Average Ratio

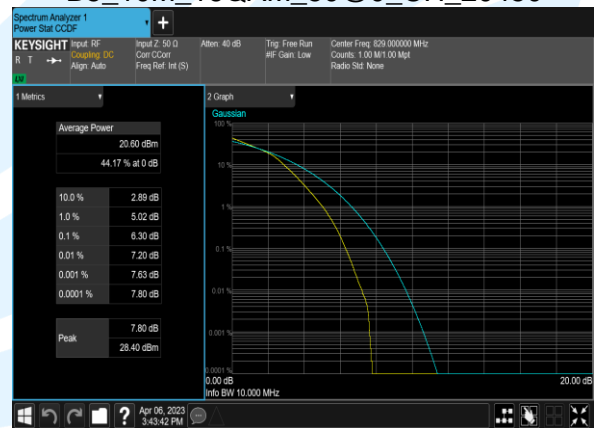
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	10.0	20450	836.5	QPSK	50@0	5.48	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.30	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.47	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.22	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.75	13	PASS
5	10.0	20600	844.0	16QAM	50@0	6.44	13	PASS
5	5.0	20425	826.5	QPSK	25@0	5.50	13	PASS
5	5.0	20425	826.5	16QAM	25@0	6.16	13	PASS
5	5.0	20525	836.5	QPSK	25@0	5.50	13	PASS
5	5.0	20525	836.5	16QAM	25@0	6.15	13	PASS
5	5.0	20625	846.5	QPSK	25@0	5.61	13	PASS
5	5.0	20625	846.5	16QAM	25@0	6.28	13	PASS
5	3.0	20415	825.5	QPSK	15@0	5.38	13	PASS
5	3.0	20415	825.5	16QAM	15@0	6.17	13	PASS
5	3.0	20525	836.5	QPSK	15@0	5.48	13	PASS
5	3.0	20525	836.5	16QAM	15@0	6.22	13	PASS
5	3.0	20635	847.5	QPSK	15@0	5.60	13	PASS
5	3.0	20635	847.5	16QAM	15@0	6.32	13	PASS
5	1.4	20407	824.7	QPSK	6@0	5.12	13	PASS
5	1.4	20407	824.7	16QAM	6@0	5.92	13	PASS
5	1.4	20525	836.5	QPSK	6@0	5.48	13	PASS
5	1.4	20525	836.5	16QAM	6@0	6.16	13	PASS
5	1.4	20643	848.3	QPSK	6@0	5.50	13	PASS
5	1.4	20643	848.3	16QAM	6@0	6.16	13	PASS
5	10.0	20450	829.0	64QAM	50@0	6.43	13	PASS
5	10.0	20525	836.5	64QAM	50@0	6.28	13	PASS
5	10.0	20600	844.0	64QAM	50@0	6.47	13	PASS
5	5.0	20425	826.5	64QAM	25@0	6.28	13	PASS
5	5.0	20525	836.5	64QAM	25@0	6.29	13	PASS
5	5.0	20625	846.5	64QAM	25@0	6.28	13	PASS
5	3.0	20415	825.5	64QAM	15@0	6.26	13	PASS
5	3.0	20525	836.5	64QAM	15@0	6.30	13	PASS
5	3.0	20635	847.5	64QAM	15@0	6.37	13	PASS
5	1.4	20407	824.7	64QAM	6@0	6.11	13	PASS
5	1.4	20525	836.5	64QAM	6@0	6.34	13	PASS
5	1.4	20643	848.3	64QAM	6@0	6.22	13	PASS

Test Graphs

B5_10M_QPSK_50@0_CH_20450



B5_10M_16QAM_50@0_CH_20450



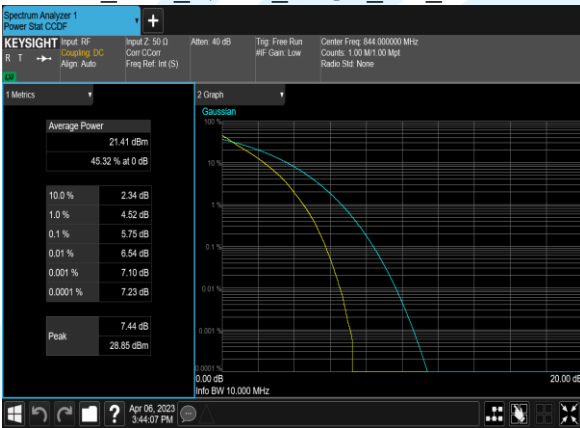
B5_10M_QPSK_50@0_CH_20525



B5_10M_16QAM_50@0_CH_20525



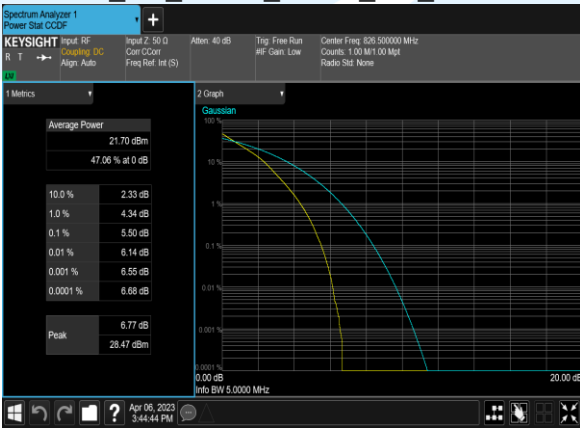
B5_10M_QPSK_50@0_CH_20600



B5_10M_16QAM_50@0_CH_20600



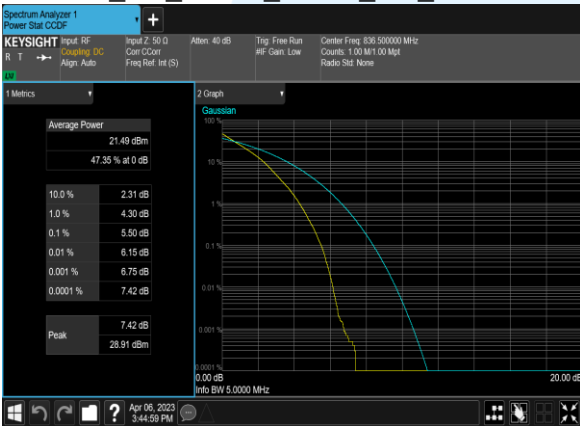
B5_5M_QPSK_25@0_CH_20425



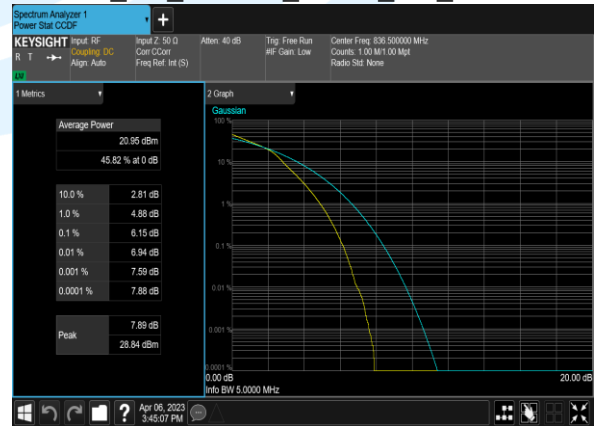
B5_5M_16QAM_25@0_CH_20425



B5_5M_QPSK_25@0_CH_20525



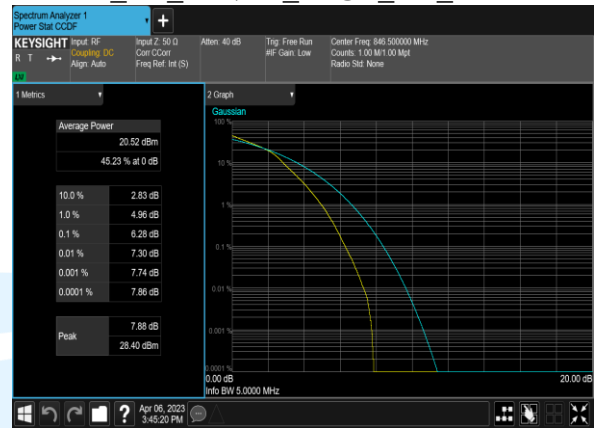
B5_5M_16QAM_25@0_CH_20525



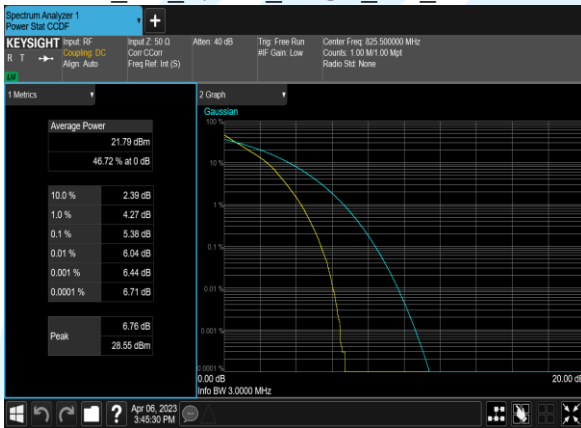
B5_5M_QPSK_25@0_CH_20625



B5_5M_16QAM_25@0_CH_20625



B5_3M_QPSK_15@0_CH_20415



B5_3M_16QAM_15@0_CH_20415



B5_3M_QPSK_15@0_CH_20525



B5_3M_16QAM_15@0_CH_20525



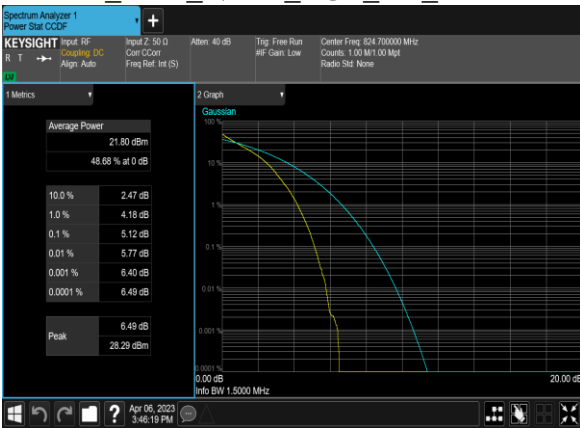
B5_3M_QPSK_15@0_CH_20635



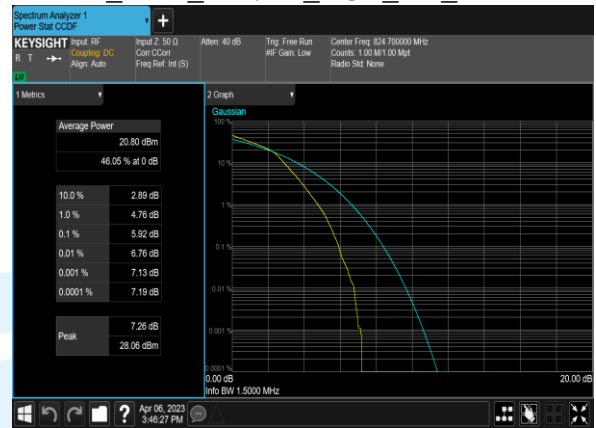
B5_3M_16QAM_15@0_CH_20635



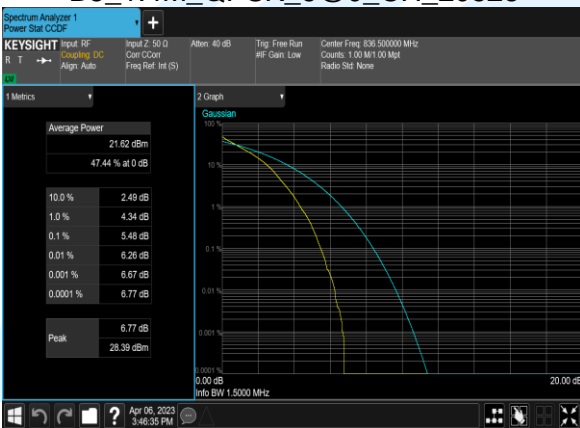
B5_1.4M_QPSK_6@0_CH_20407



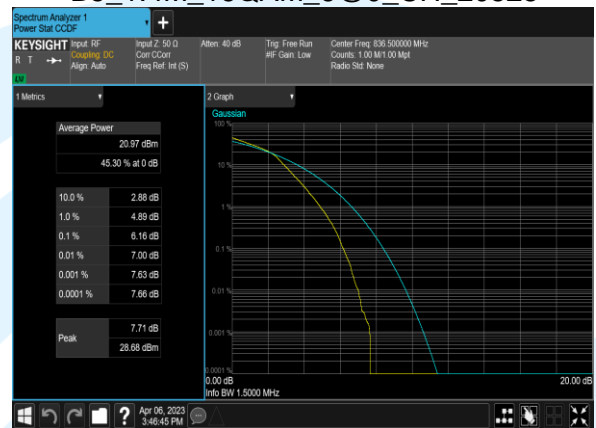
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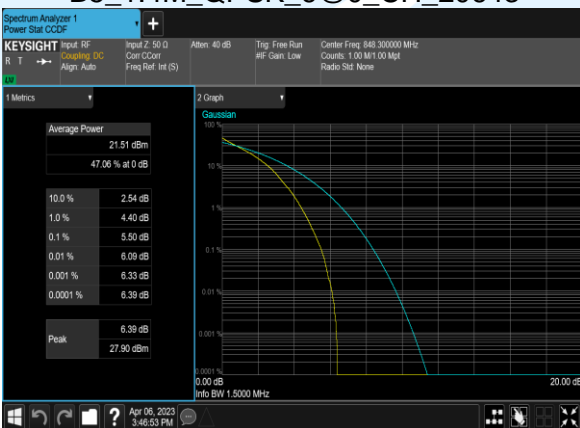
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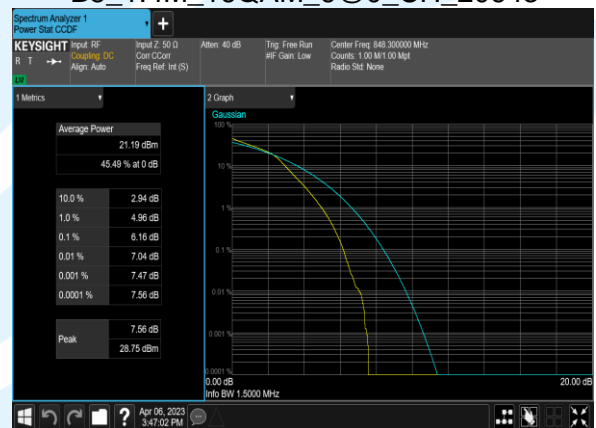
B5_1.4M_16QAM_6@0_CH_20525



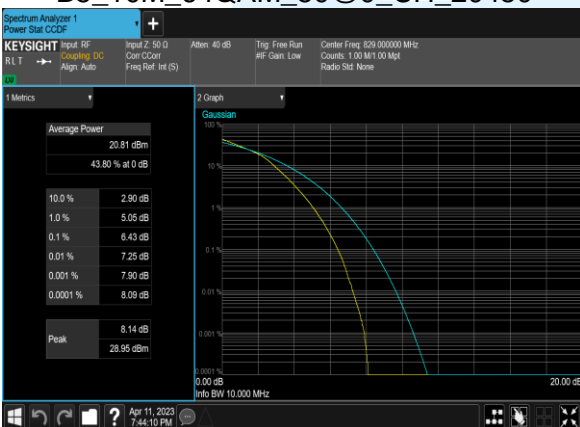
B5_1.4M_QPSK_6@0_CH_20643



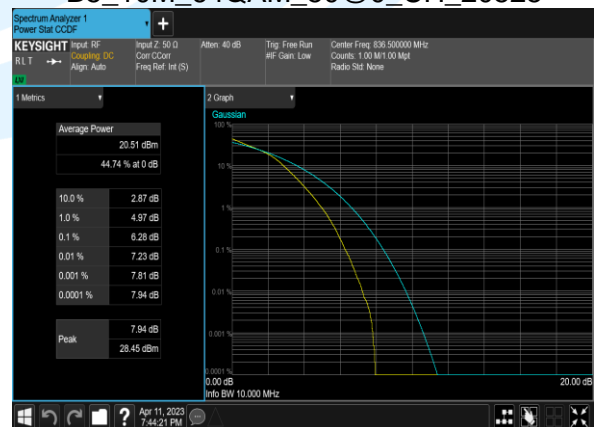
B5_1.4M_16QAM_6@0_CH_20643



B5_10M_64QAM_50@0_CH_20450



B5_10M_64QAM_50@0_CH_20525



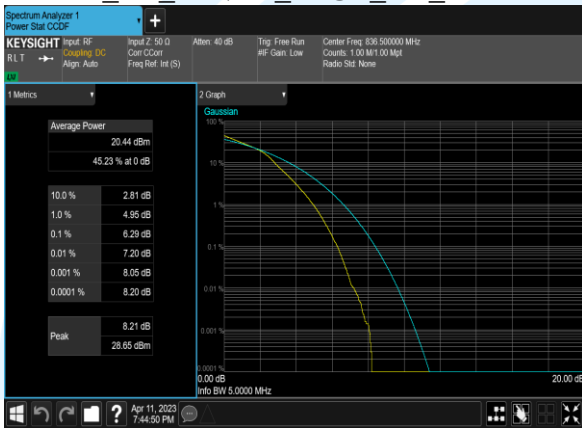
B5_10M_64QAM_50@0_CH_20600



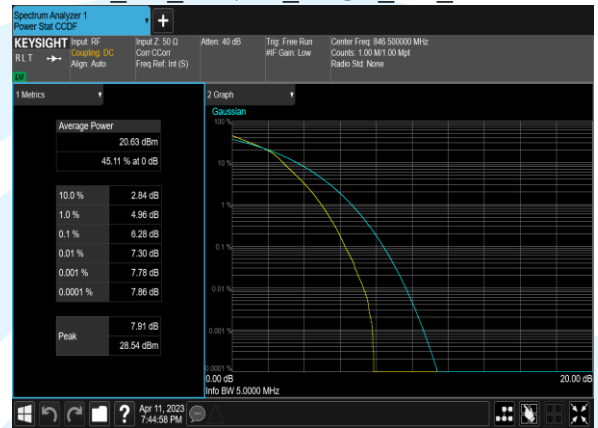
B5_5M_64QAM_25@0_CH_20425



B5_5M_64QAM_25@0_CH_20525



B5_5M_64QAM_25@0_CH_20625



B5_3M_64QAM_15@0_CH_20415



B5_3M_64QAM_15@0_CH_20525



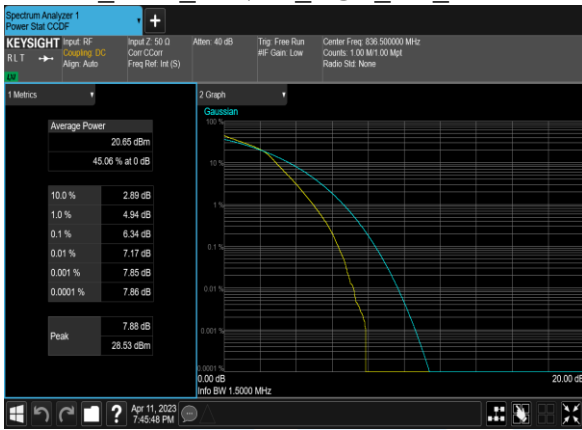
B5_3M_64QAM_15@0_CH_20635



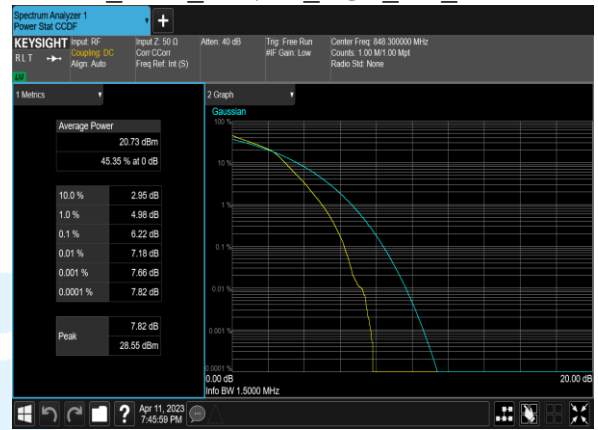
B5_1.4M_64QAM_6@0_CH_20407



B5_1.4M_64QAM_6@0_CH_20525



B5_1.4M_64QAM_6@0_CH_20643



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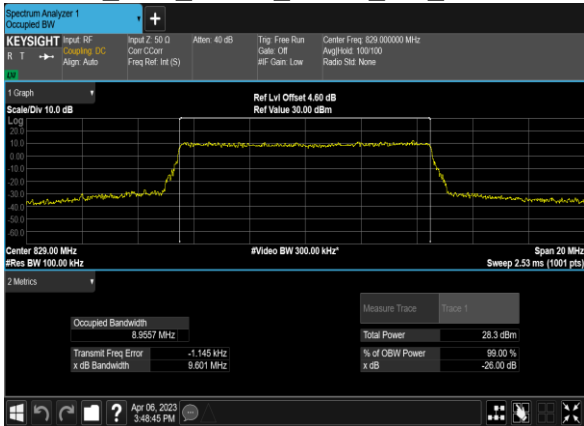
Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	10.0	20450	829.0	QPSK	50@0	8.9557	9.601
5	10.0	20450	829.0	16QAM	50@0	8.9480	9.680
5	10.0	20525	836.5	QPSK	50@0	8.9029	9.608
5	10.0	20525	836.5	16QAM	50@0	8.9372	9.523
5	10.0	20600	844.0	QPSK	50@0	8.9620	9.725
5	10.0	20600	844.0	16QAM	50@0	8.9781	9.503
5	5.0	20425	826.5	QPSK	25@0	4.4606	4.890
5	5.0	20425	826.5	16QAM	25@0	4.4594	4.911
5	5.0	20525	836.5	QPSK	25@0	4.4528	4.874
5	5.0	20525	836.5	16QAM	25@0	4.4760	4.895
5	5.0	20625	846.5	QPSK	25@0	4.4642	4.837
5	5.0	20625	846.5	16QAM	25@0	4.4637	4.887
5	3.0	20415	825.5	QPSK	15@0	2.6855	3.008
5	3.0	20415	825.5	16QAM	15@0	2.6826	2.956
5	3.0	20525	836.5	QPSK	15@0	2.6953	2.984
5	3.0	20525	836.5	16QAM	15@0	2.6797	2.945
5	3.0	20635	847.5	QPSK	15@0	2.6819	2.965
5	3.0	20635	847.5	16QAM	15@0	2.6792	2.998
5	1.4	20407	824.7	QPSK	6@0	1.0760	1.218
5	1.4	20407	824.7	16QAM	6@0	1.0786	1.220
5	1.4	20525	836.5	QPSK	6@0	1.0812	1.219
5	1.4	20525	836.5	16QAM	6@0	1.0781	1.214
5	1.4	20643	848.3	QPSK	6@0	1.0769	1.220
5	1.4	20643	848.3	16QAM	6@0	1.0778	1.224

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	10.0	20450	829.0	64QAM	50@0	8.9422	9.720
5	10.0	20525	836.5	64QAM	50@0	8.9369	9.683
5	10.0	20600	844.0	64QAM	50@0	8.9586	9.709
5	5.0	20425	826.5	64QAM	25@0	4.4612	4.857
5	5.0	20525	836.5	64QAM	25@0	4.4598	4.858
5	5.0	20625	846.5	64QAM	25@0	4.4663	4.863
5	3.0	20415	825.5	64QAM	15@0	2.6789	2.968
5	3.0	20525	836.5	64QAM	15@0	2.6790	2.981
5	3.0	20635	847.5	64QAM	15@0	2.6731	2.990
5	1.4	20407	824.7	64QAM	6@0	1.0798	1.215
5	1.4	20525	836.5	64QAM	6@0	1.0779	1.211
5	1.4	20643	848.3	64QAM	6@0	1.0771	1.224

Test Graphs

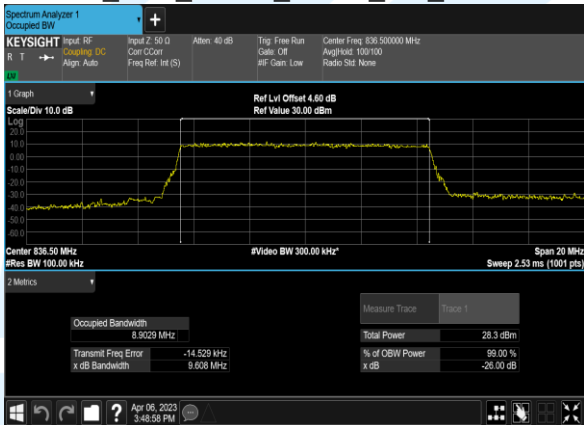
B5_10M_QPSK_50@0_CH_20450



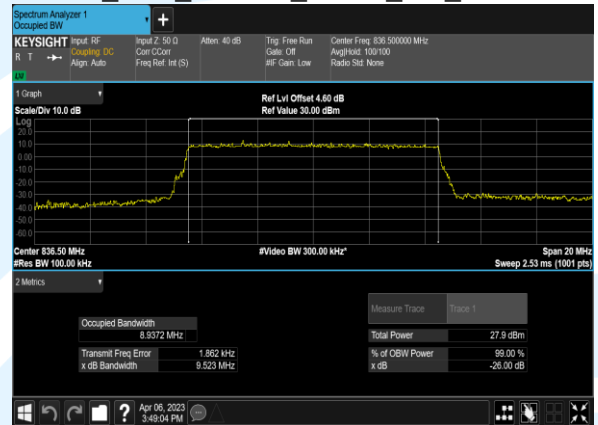
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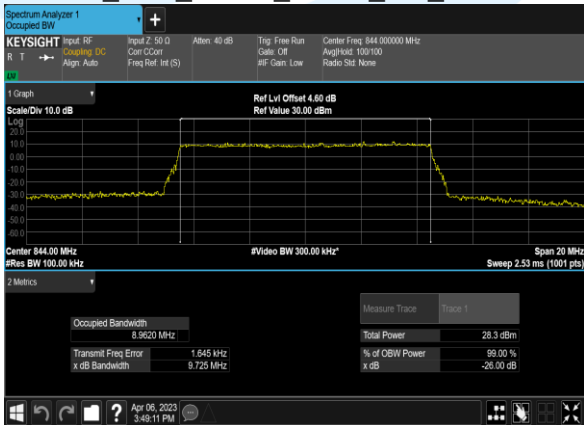
B5_10M_QPSK_50@0_CH_20525



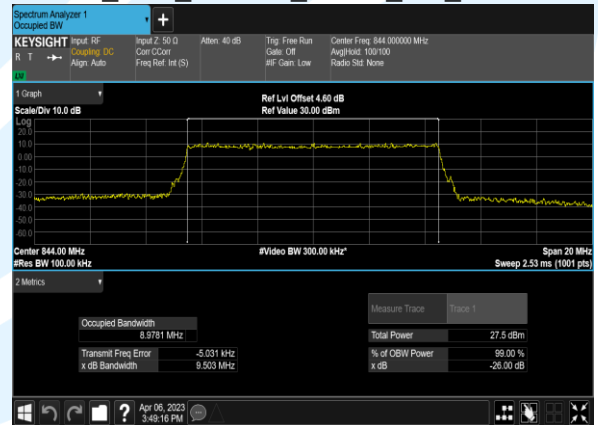
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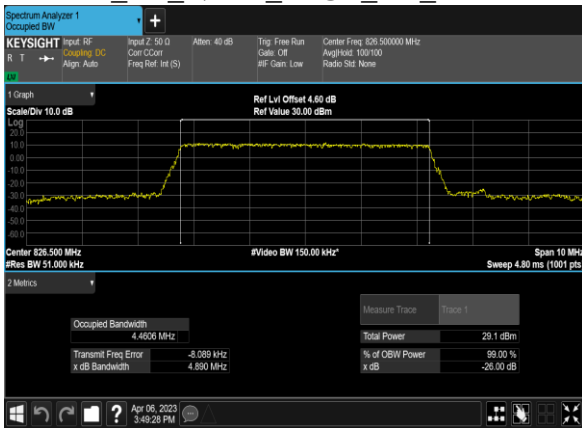
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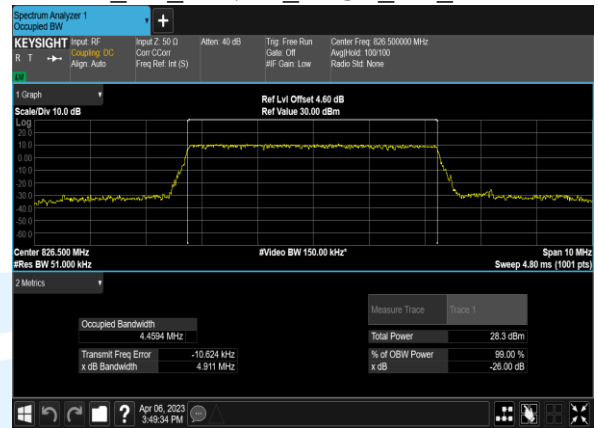
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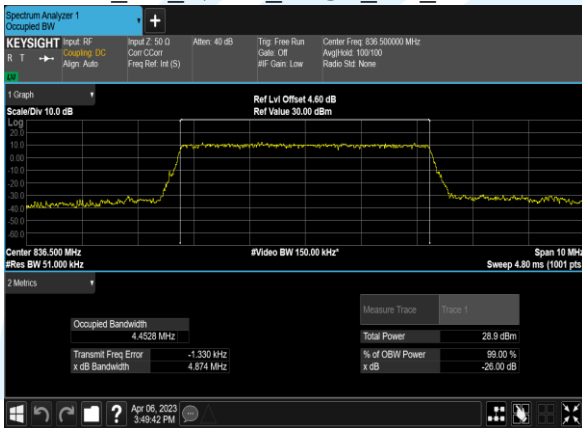
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B5_5M_16QAM_25@0_CH_20425



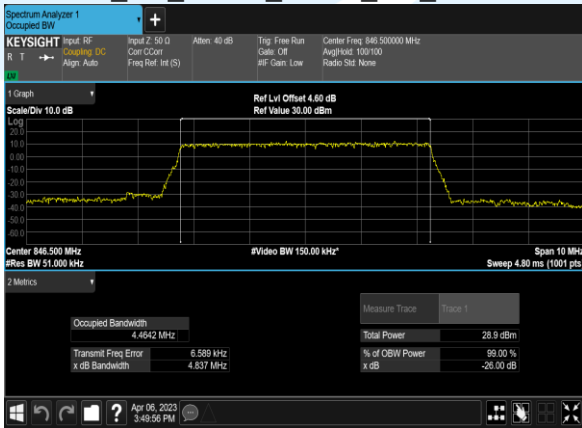
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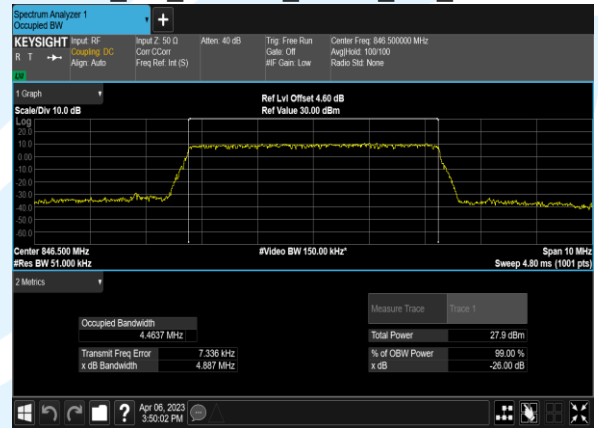
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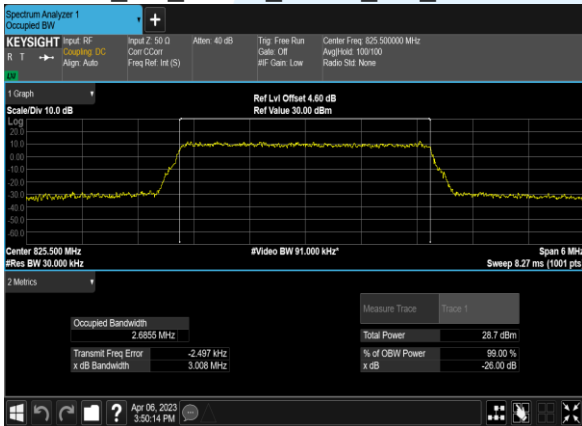
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B5_5M_16QAM_25@0_CH_20625



B5_3M_QPSK_15@0_CH_20415



B5_3M_16QAM_15@0_CH_20415

