

B2_5M_64QAM_25@0_CH_18900



B2_5M_64QAM_25@0_CH_19175



B2_3M_64QAM_15@0_CH_18615



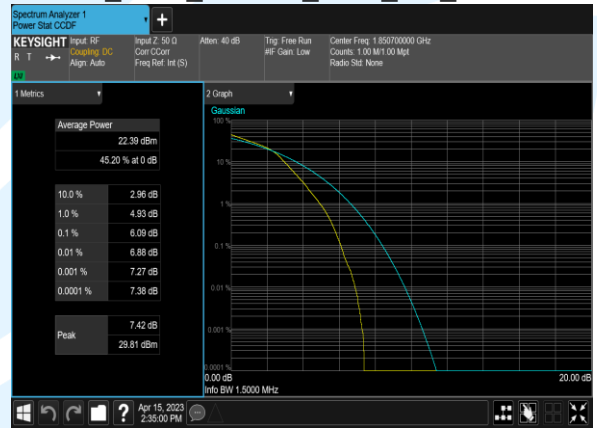
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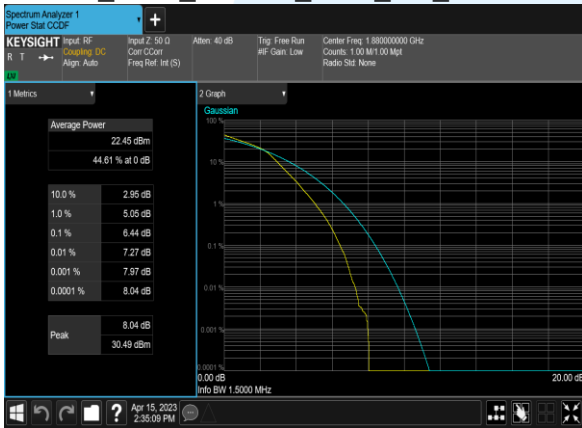
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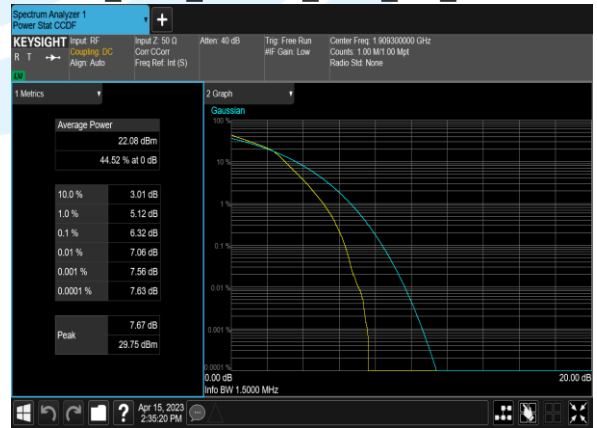
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B2_1.4M_64QAM_6@0_CH_18900



B2_1.4M_64QAM_6@0_CH_19193

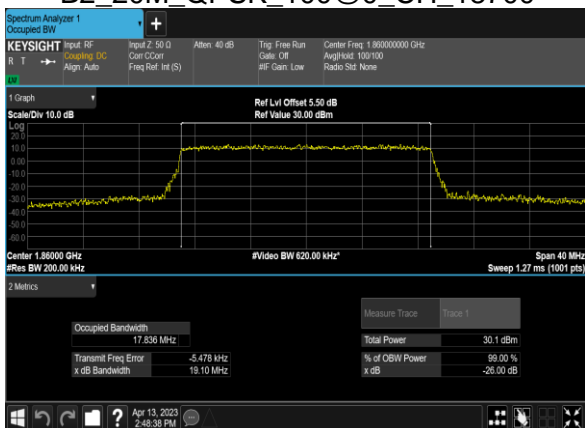


Occupied Bandwidth

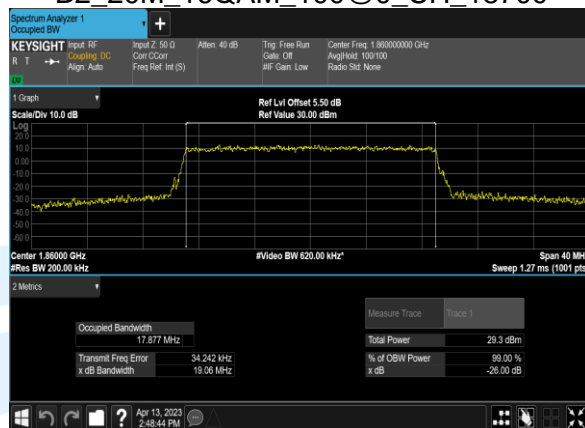
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
2	20.0	18700	1860.0	QPSK	100@0	17.836	19.10
2	20.0	18700	1860.0	16QAM	100@0	17.877	19.06
2	20.0	18900	1880.0	QPSK	100@0	17.884	19.10
2	20.0	18900	1880.0	16QAM	100@0	17.915	19.17
2	20.0	19100	1900.0	QPSK	100@0	17.829	19.19
2	20.0	19100	1900.0	16QAM	100@0	17.834	19.09
2	15.0	18675	1857.5	QPSK	75@0	13.417	14.58
2	15.0	18675	1857.5	16QAM	75@0	13.416	14.53
2	15.0	18900	1880.0	QPSK	75@0	13.430	14.42
2	15.0	18900	1880.0	16QAM	75@0	13.411	14.52
2	15.0	19125	1902.5	QPSK	75@0	13.369	14.45
2	15.0	19125	1902.5	16QAM	75@0	13.423	14.42
2	10.0	18650	1855.0	QPSK	50@0	8.9282	9.641
2	10.0	18650	1855.0	16QAM	50@0	8.9336	9.655
2	10.0	18900	1880.0	QPSK	50@0	8.9420	9.477
2	10.0	18900	1880.0	16QAM	50@0	8.9405	9.654
2	10.0	19150	1905.0	QPSK	50@0	8.9485	9.676
2	10.0	19150	1905.0	16QAM	50@0	8.9472	9.671
2	5.0	18625	1852.5	QPSK	25@0	4.4676	4.882
2	5.0	18625	1852.5	16QAM	25@0	4.4662	4.816
2	5.0	18900	1880.0	QPSK	25@0	4.4628	4.885
2	5.0	18900	1880.0	16QAM	25@0	4.4575	4.872
2	5.0	19175	1907.5	QPSK	25@0	4.4617	4.889
2	5.0	19175	1907.5	16QAM	25@0	4.4559	4.881
2	3.0	18615	1851.5	QPSK	15@0	2.6859	2.965
2	3.0	18615	1851.5	16QAM	15@0	2.6806	2.934
2	3.0	18900	1880.0	QPSK	15@0	2.6786	2.977
2	3.0	18900	1880.0	16QAM	15@0	2.6746	2.967
2	3.0	19185	1908.5	QPSK	15@0	2.6886	2.992
2	3.0	19185	1908.5	16QAM	15@0	2.6899	2.975
2	1.4	18607	1850.7	QPSK	6@0	1.0777	1.214
2	1.4	18607	1850.7	16QAM	6@0	1.0824	1.225
2	1.4	18900	1880.0	QPSK	6@0	1.0784	1.223
2	1.4	18900	1880.0	16QAM	6@0	1.0757	1.205
2	1.4	19193	1909.3	QPSK	6@0	1.0781	1.227
2	1.4	19193	1909.3	16QAM	6@0	1.0805	1.227
2	20.0	18700	1860.0	64QAM	100@0	17.789	19.07
2	20.0	18900	1880.0	64QAM	100@0	17.903	19.13
2	20.0	19100	1900.0	64QAM	100@0	17.814	18.96
2	15.0	18675	1857.5	64QAM	75@0	13.386	14.33
2	15.0	18900	1880.0	64QAM	75@0	13.398	14.60
2	15.0	19125	1902.5	64QAM	75@0	13.383	14.27
2	10.0	18650	1855.0	64QAM	50@0	8.9199	9.655
2	10.0	18900	1880.0	64QAM	50@0	8.9483	9.672
2	10.0	19150	1905.0	64QAM	50@0	8.9484	9.638
2	5.0	18625	1852.5	64QAM	25@0	4.4595	4.845
2	5.0	18900	1880.0	64QAM	25@0	4.4695	4.861
2	5.0	19175	1907.5	64QAM	25@0	4.4447	4.860
2	3.0	18615	1851.5	64QAM	15@0	2.6819	2.975
2	3.0	18900	1880.0	64QAM	15@0	2.6821	2.960
2	3.0	19185	1908.5	64QAM	15@0	2.6839	2.999
2	1.4	18607	1850.7	64QAM	6@0	1.0788	1.218
2	1.4	18900	1880.0	64QAM	6@0	1.0773	1.207
2	1.4	19193	1909.3	64QAM	6@0	1.0766	1.212

Test Graphs

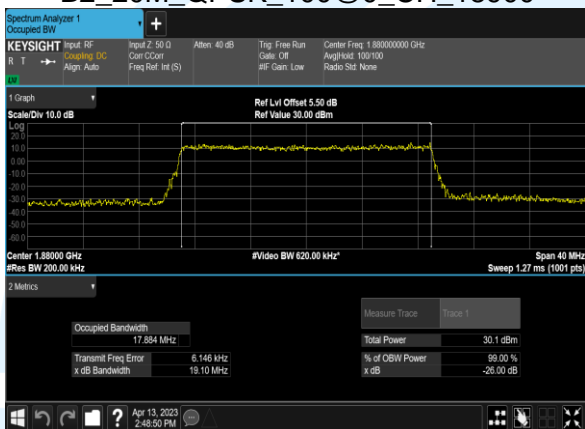
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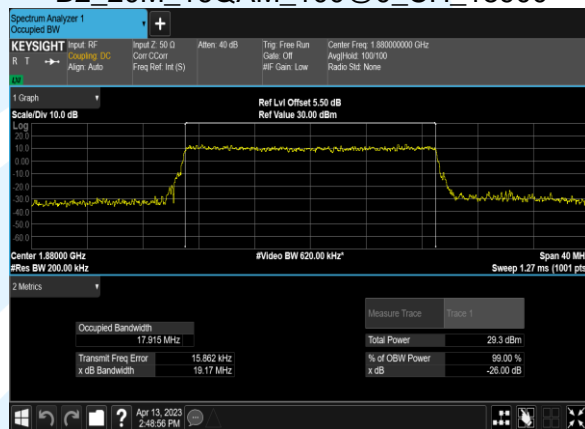
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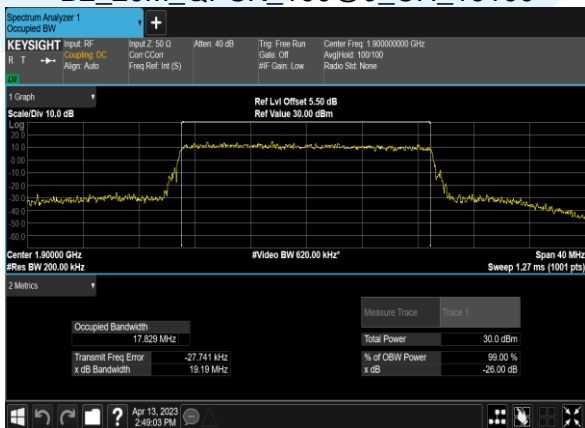
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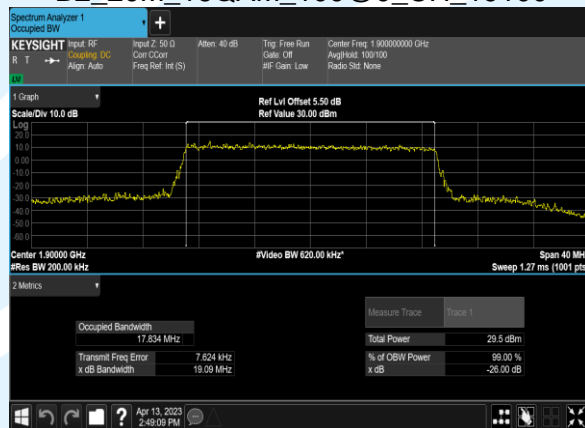
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B2_20M_QPSK_100@0_CH_19100



B2_20M_16QAM_100@0_CH_19100



B2_15M_QPSK_75@0_CH_18675



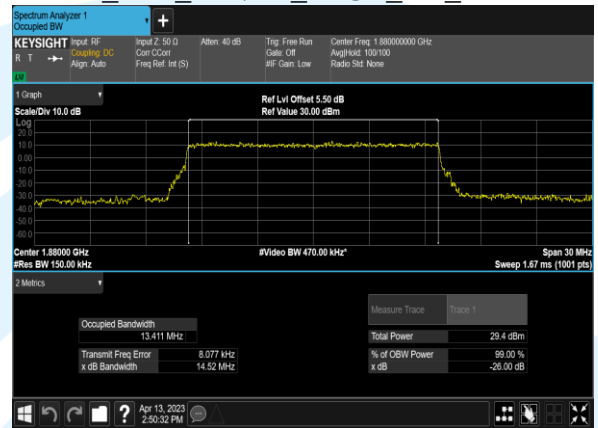
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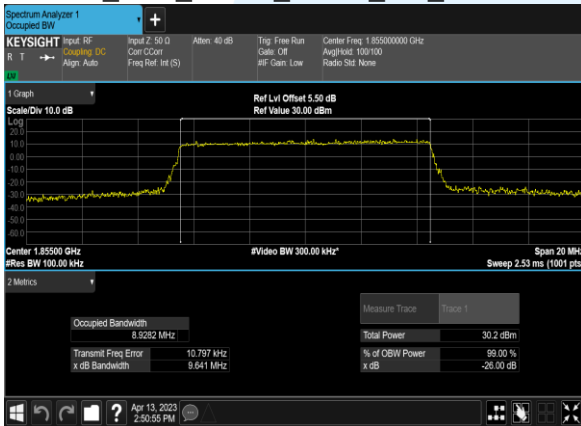
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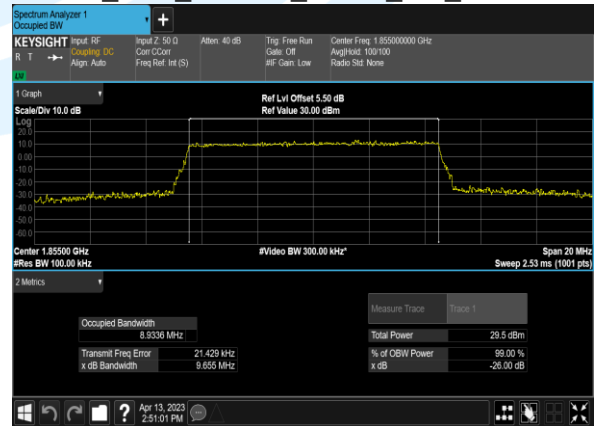
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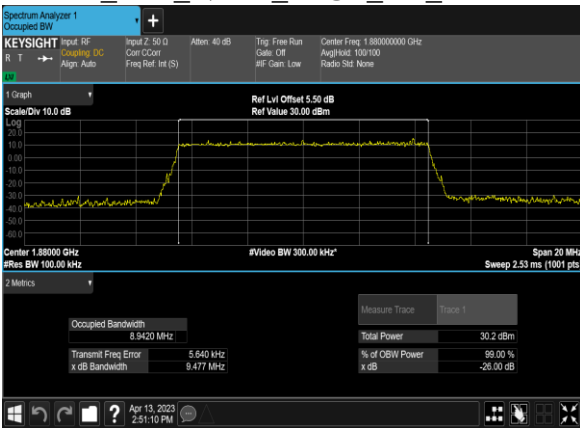
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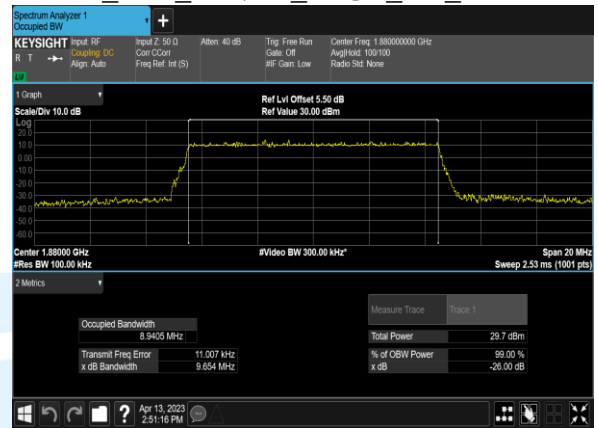
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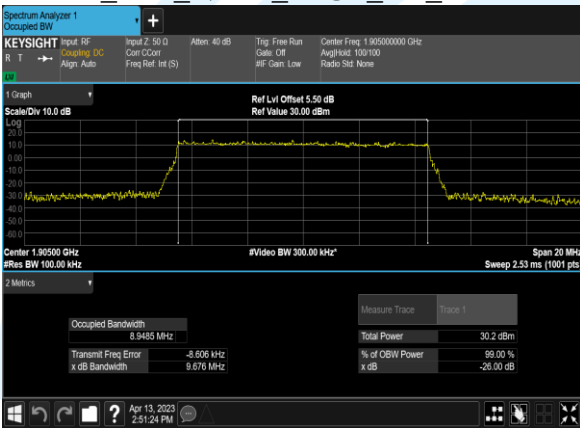
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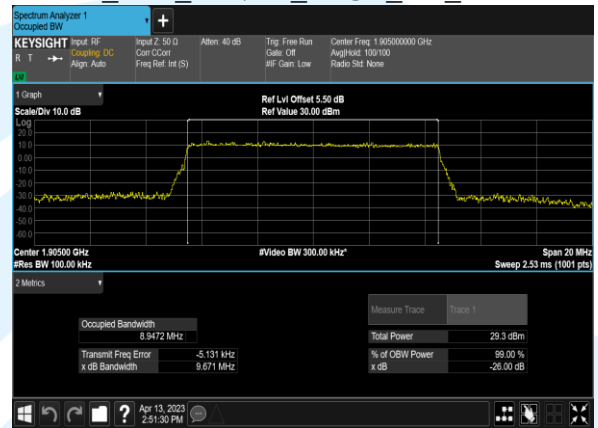
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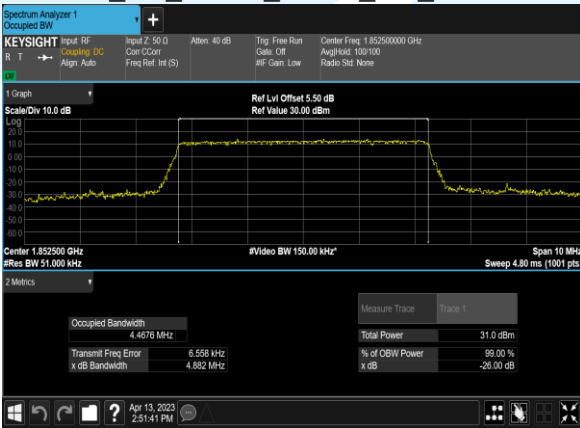
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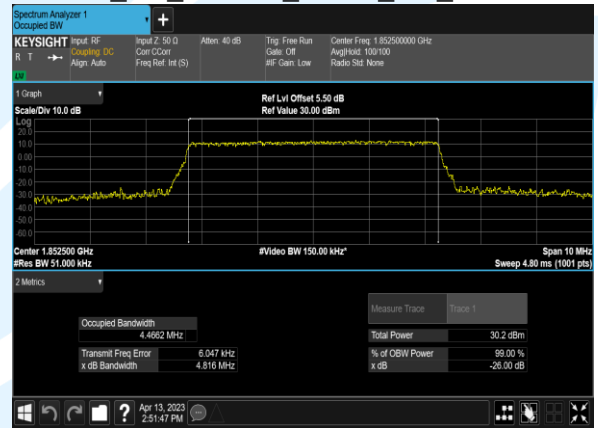
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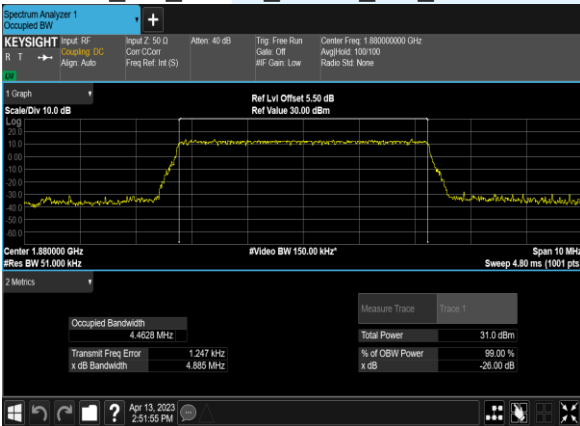
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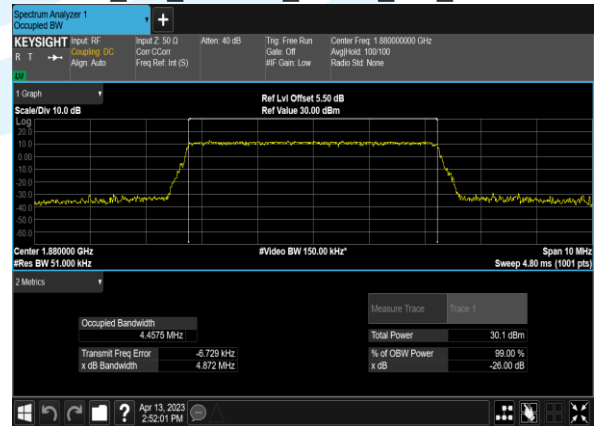
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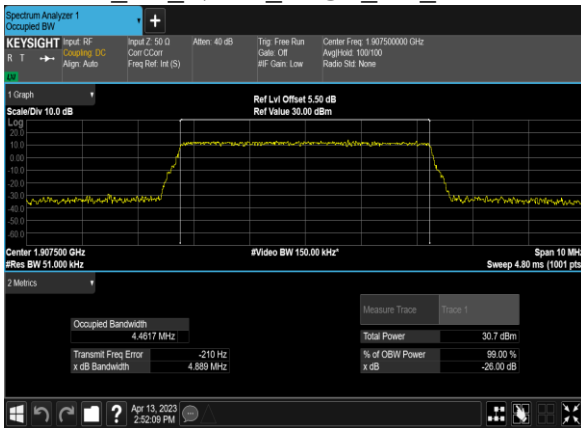
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B2_5M_16QAM_25@0_CH_18900



B2_5M_QPSK_25@0_CH_19175



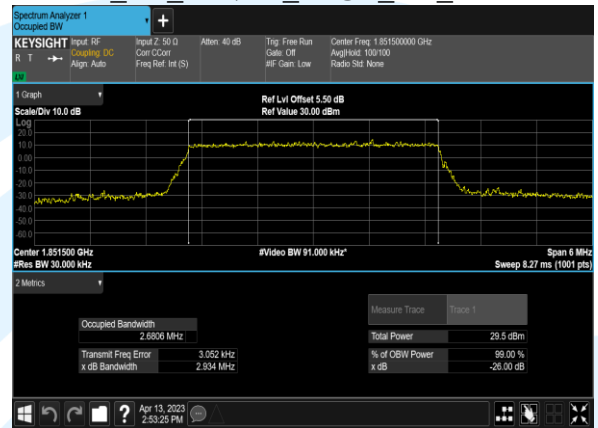
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B2_3M_QPSK_15@0_CH_18615



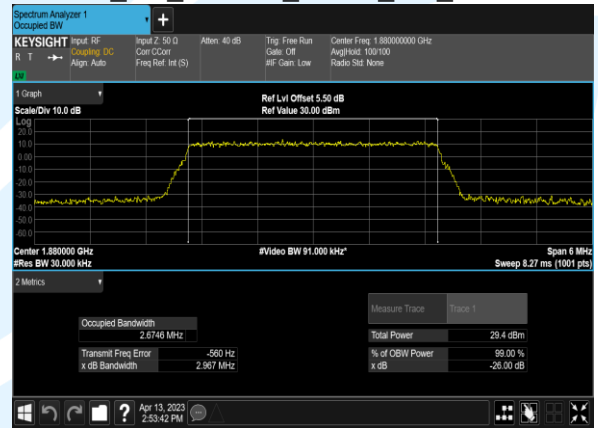
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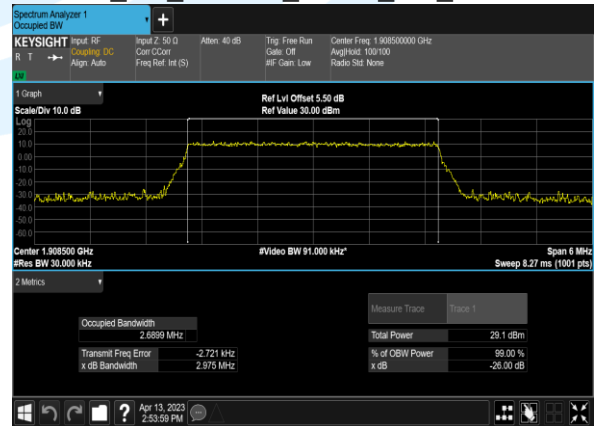
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B2_3M_QPSK_15@0_CH_19185



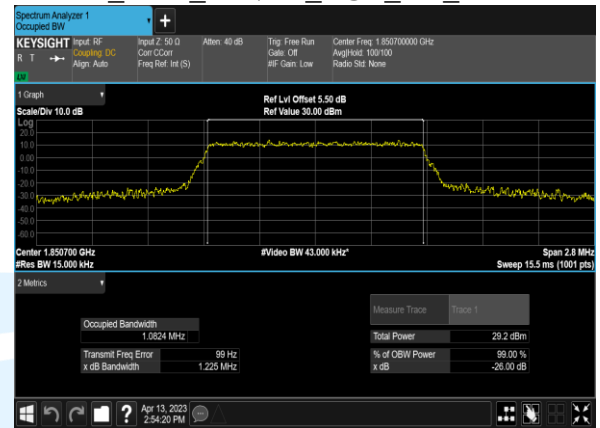
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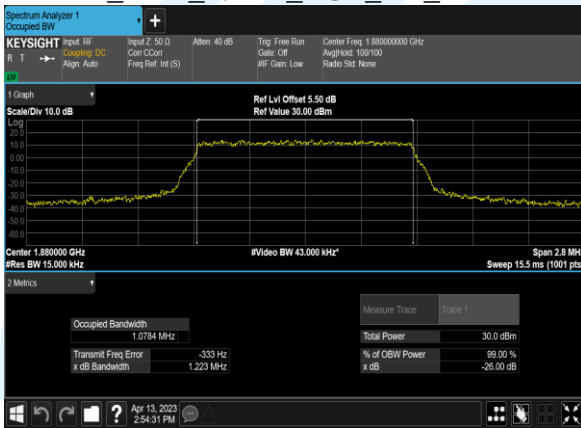
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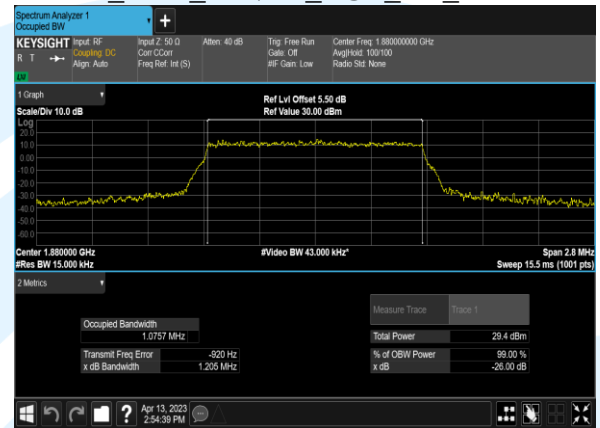
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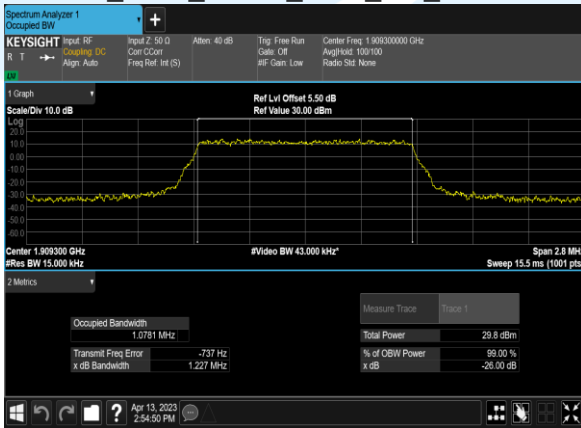
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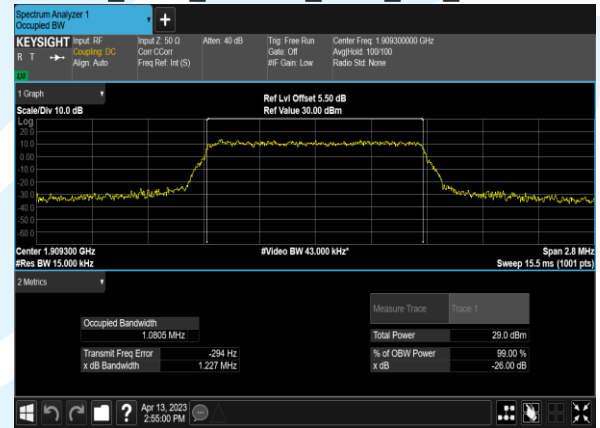
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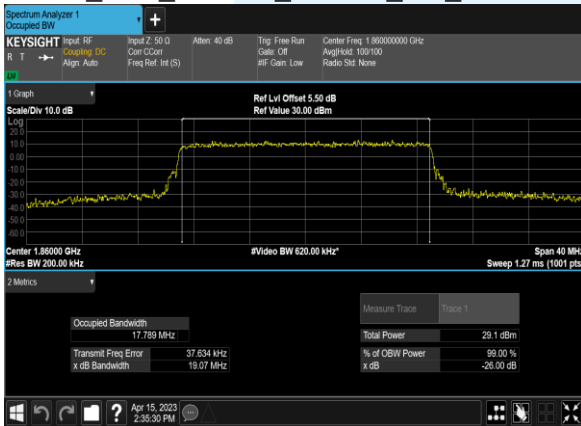
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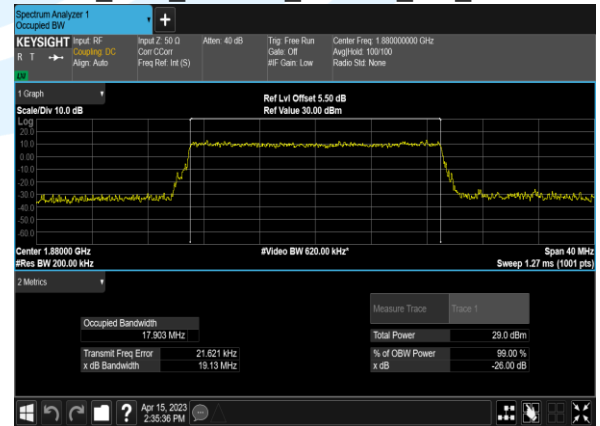
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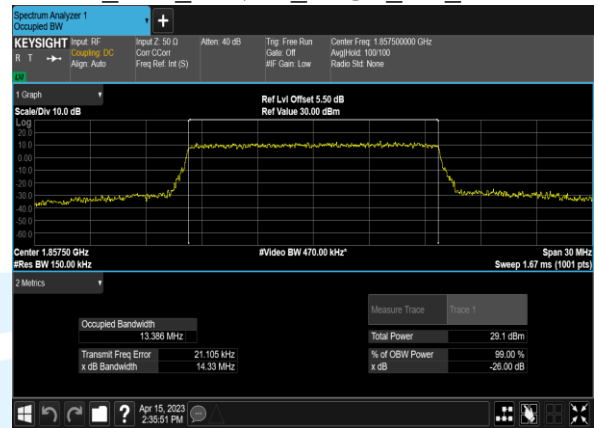
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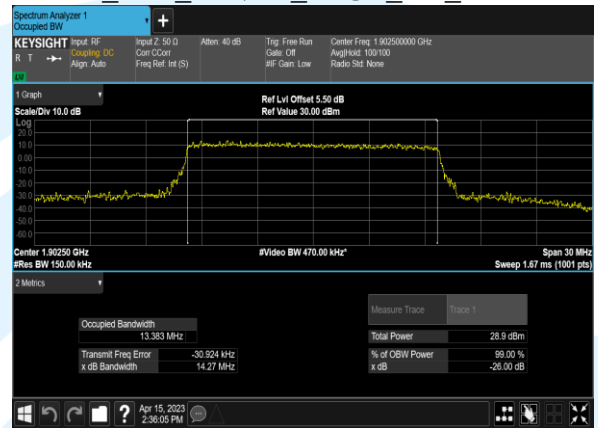
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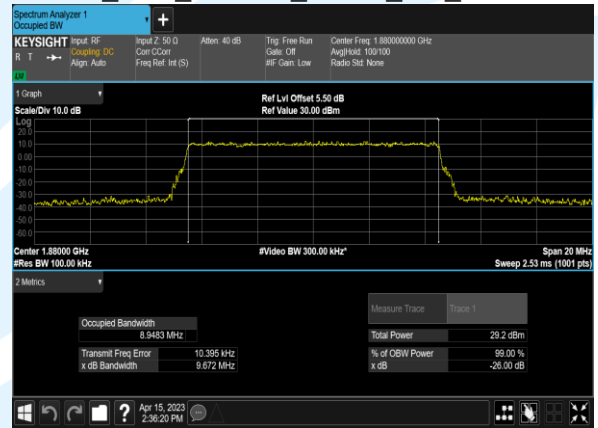
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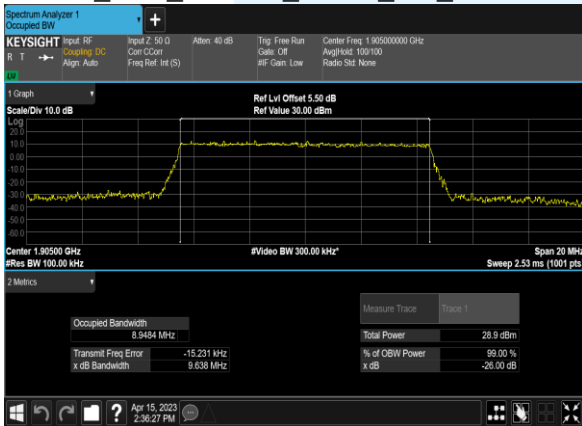
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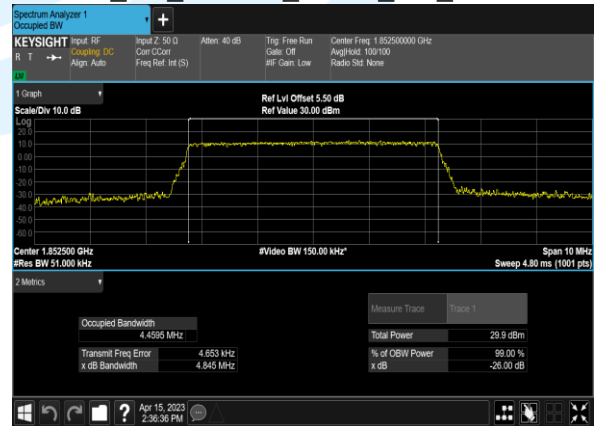
B2_10M_64QAM_50@0_CH_18900



B2_10M_64QAM_50@0_CH_19150



B2_5M_64QAM_25@0_CH_18625



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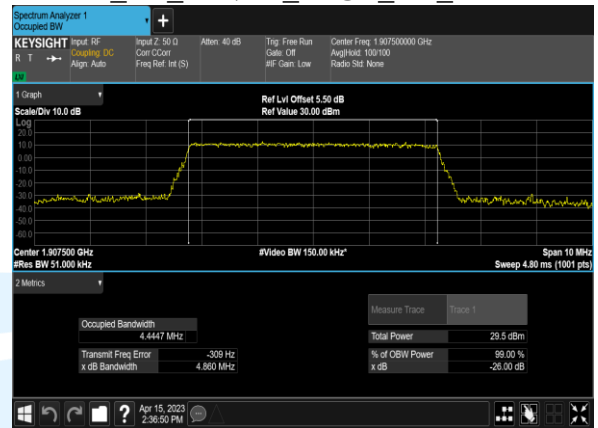
<http://www.uttlab.com>

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B2_5M_64QAM_25@0_CH_18900



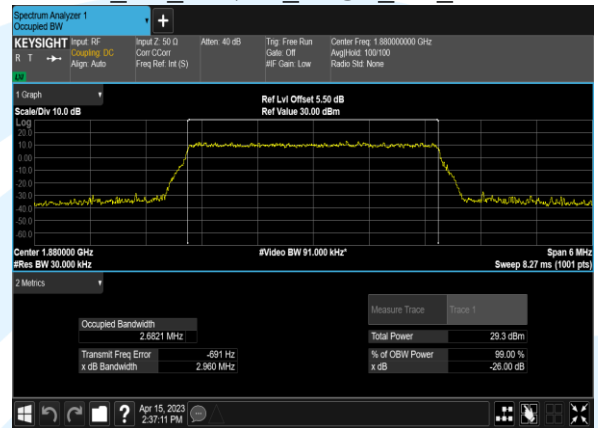
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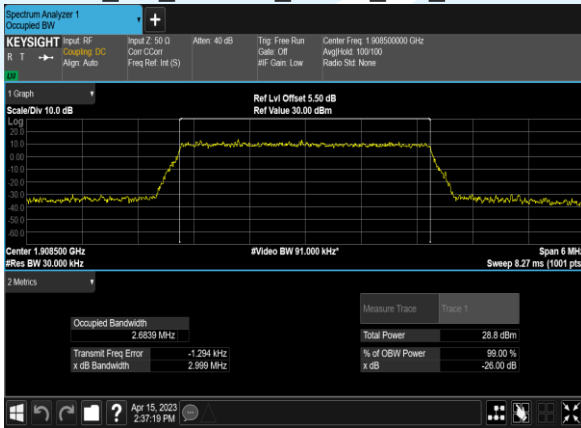
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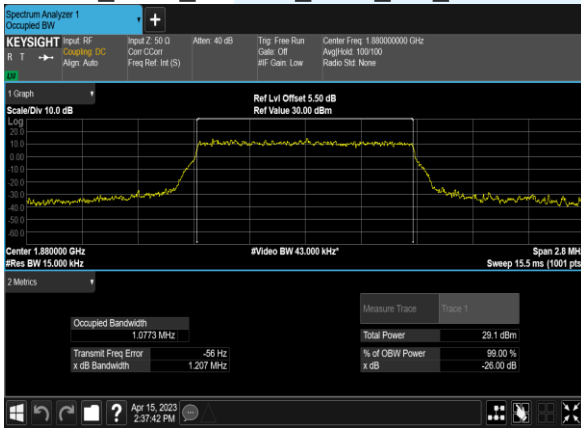
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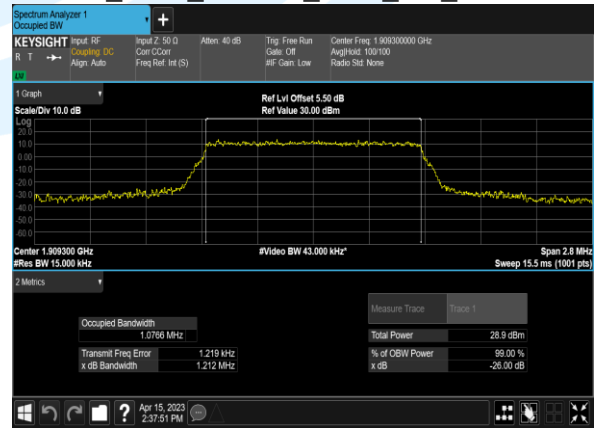
B2_1.4M_64QAM_6@0_CH_18607



B2_1.4M_64QAM_6@0_CH_18900



B2_1.4M_64QAM_6@0_CH_19193



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UTTR-RF-FCC4G-V1.1

Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
2	20.0	18700	1860.0	QPSK	1@0	-29.11	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	-29.34	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	-28.88	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	-28.75	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	-29.49	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	-29.29	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	-29.25	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	-28.68	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	-28.64	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	-28.88	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	-29.17	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	-29.04	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	-29.02	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	-28.53	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	-29.21	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	-29.27	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	-29.15	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	-29.24	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	-29.26	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	-28.52	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	-29.33	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	-29.71	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	-28.42	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	-28.8	-13	PASS
2	3.0	18615	1851.5	QPSK	1@0	-29.22	-13	PASS
2	3.0	18615	1851.5	16QAM	1@0	-29.27	-13	PASS
2	3.0	18900	1880.0	QPSK	1@0	-28.63	-13	PASS
2	3.0	18900	1880.0	16QAM	1@0	-29.08	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	-28.51	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	-29.06	-13	PASS
2	1.4	18607	1850.7	QPSK	1@0	-28.78	-13	PASS
2	1.4	18607	1850.7	16QAM	1@0	-28.8	-13	PASS
2	1.4	18900	1880.0	QPSK	1@0	-29.41	-13	PASS
2	1.4	18900	1880.0	16QAM	1@0	-28.82	-13	PASS
2	1.4	19193	1909.3	QPSK	1@0	-28.91	-13	PASS
2	1.4	19193	1909.3	16QAM	1@0	-29.16	-13	PASS
2	20.0	18700	1860.0	64QAM	1@0	-29.11	-13	PASS
2	20.0	18900	1880.0	64QAM	1@0	-29.4	-13	PASS
2	20.0	19100	1900.0	64QAM	1@0	-29.04	-13	PASS
2	15.0	18675	1857.5	64QAM	1@0	-28.59	-13	PASS
2	15.0	18900	1880.0	64QAM	1@0	-28.9	-13	PASS
2	15.0	19125	1902.5	64QAM	1@0	-28.77	-13	PASS
2	10.0	18650	1855.0	64QAM	1@0	-28.05	-13	PASS
2	10.0	18900	1880.0	64QAM	1@0	-28.92	-13	PASS
2	10.0	19150	1905.0	64QAM	1@0	-28.62	-13	PASS
2	5.0	18625	1852.5	64QAM	1@0	-29.53	-13	PASS
2	5.0	18900	1880.0	64QAM	1@0	-28.8	-13	PASS
2	5.0	19175	1907.5	64QAM	1@0	-28.9	-13	PASS
2	3.0	18615	1851.5	64QAM	1@0	-29.13	-13	PASS
2	3.0	18900	1880.0	64QAM	1@0	-28.69	-13	PASS
2	3.0	19185	1908.5	64QAM	1@0	-29.0	-13	PASS
2	1.4	18607	1850.7	64QAM	1@0	-28.95	-13	PASS
2	1.4	18900	1880.0	64QAM	1@0	-28.74	-13	PASS
2	1.4	19193	1909.3	64QAM	1@0	-28.76	-13	PASS

Test Graphs

B2_20M_QPSK_1@0_CH_18700



B2_20M_16QAM_1@0_CH_18700



B2_20M_QPSK_1@0_CH_18900



B2_20M_16QAM_1@0_CH_18900



B2_20M_QPSK_1@0_CH_19100



B2_20M_16QAM_1@0_CH_19100



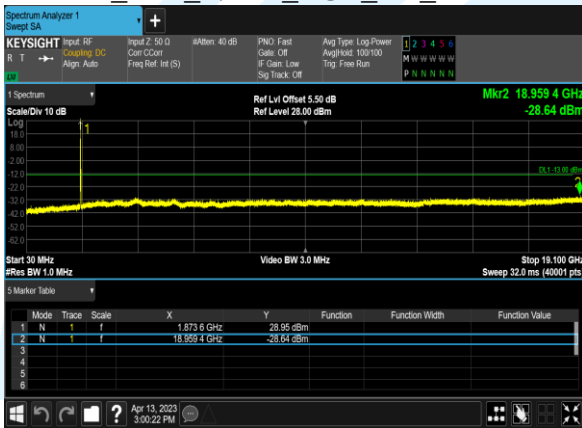
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B2_15M_16QAM_1@0_CH_18675



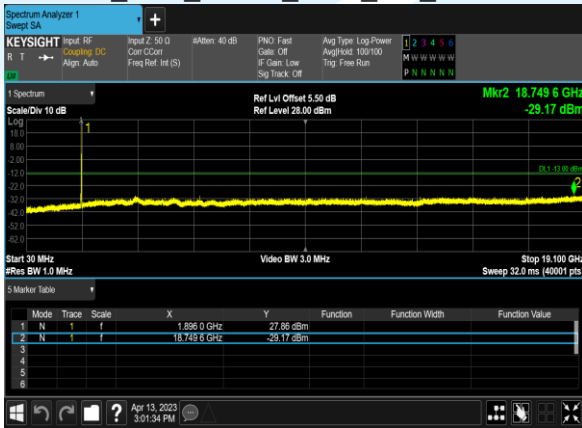
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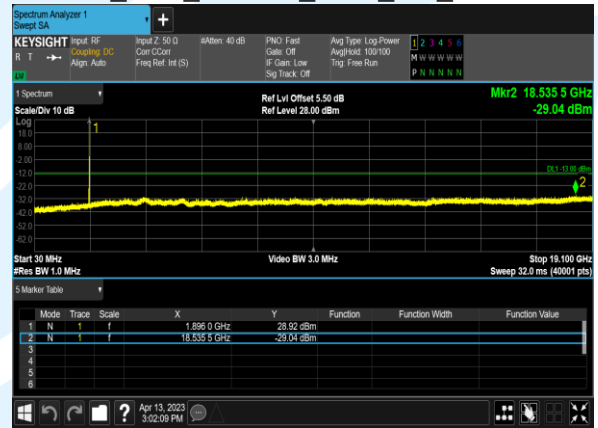
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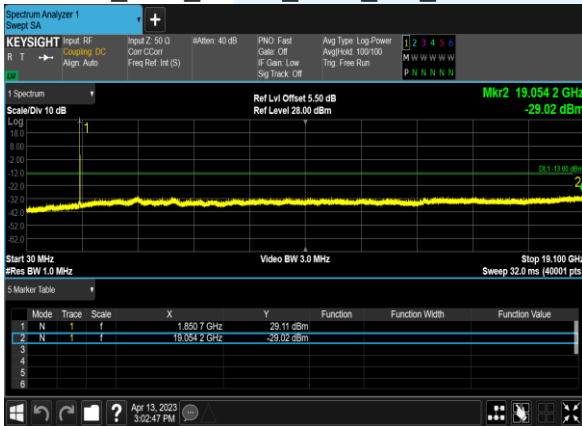
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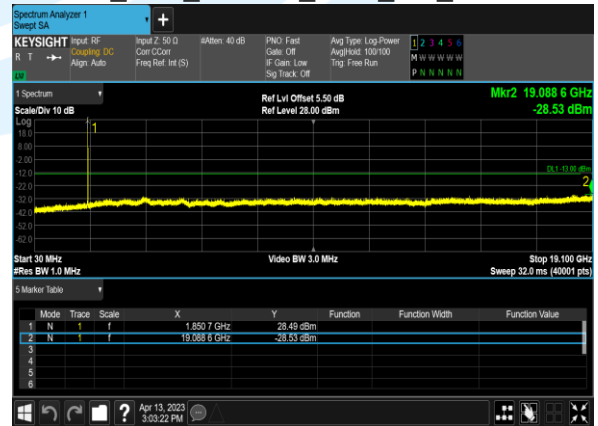
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B2_10M_QPSK_1@0_CH_18650



B2_10M_16QAM_1@0_CH_18650



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E-mail: info@uttlab.com

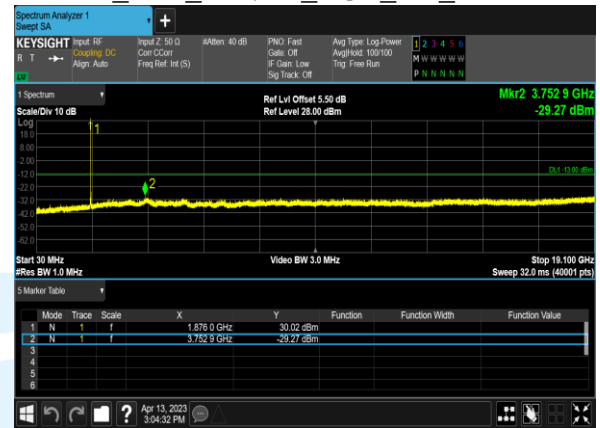
<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

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B2_10M_16QAM_1@0_CH_18900



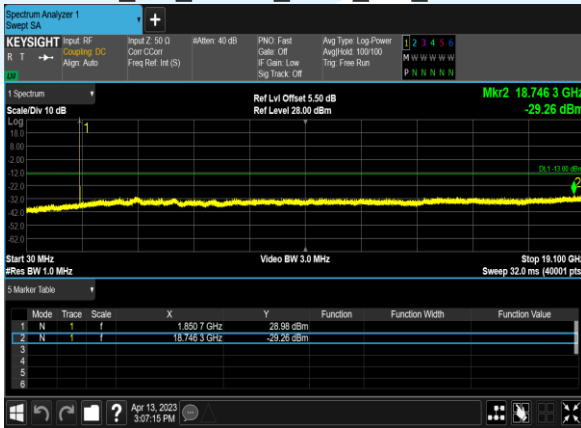
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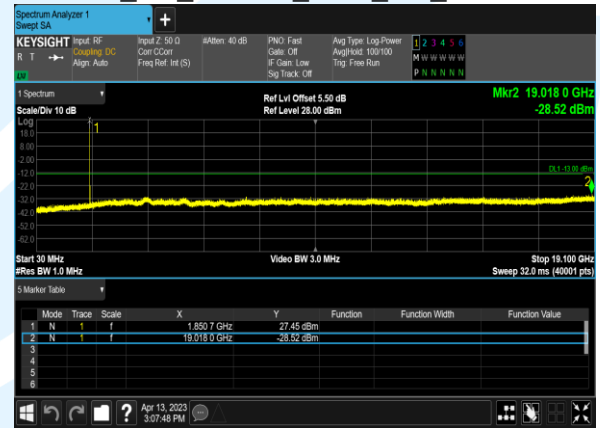
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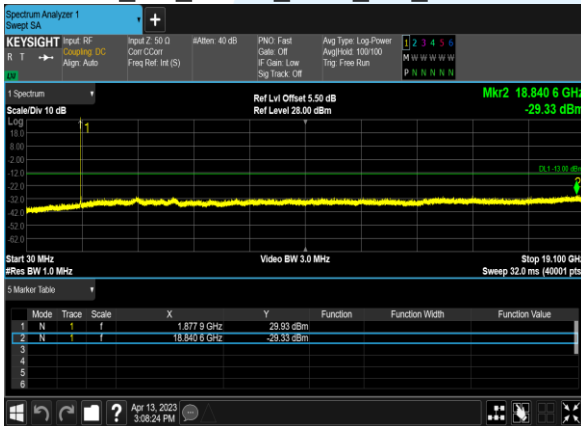
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B2_5M_16QAM_1@0_CH_18625



B2_5M_QPSK_1@0_CH_18900



B2_5M_16QAM_1@0_CH_18900

