

Test Graphs

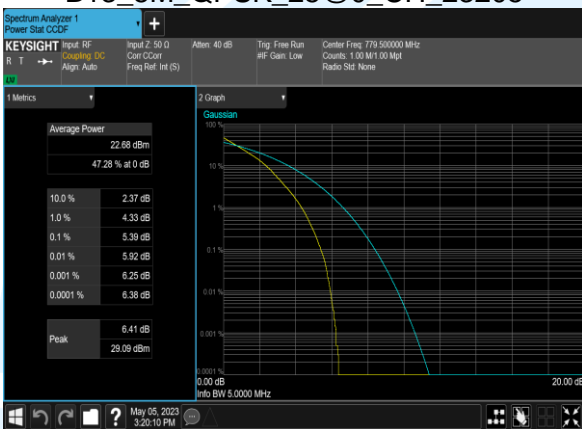
B13_10M_QPSK_50@0_CH_23230



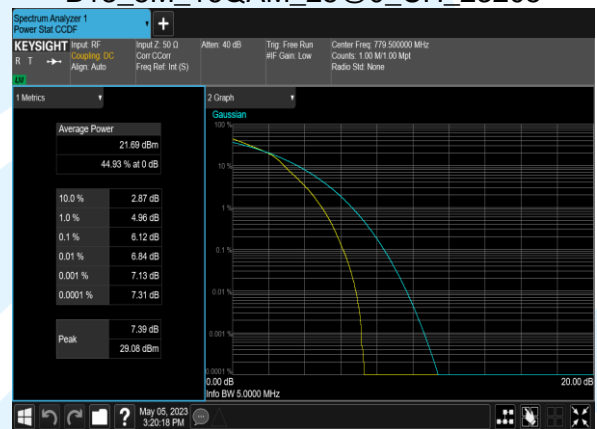
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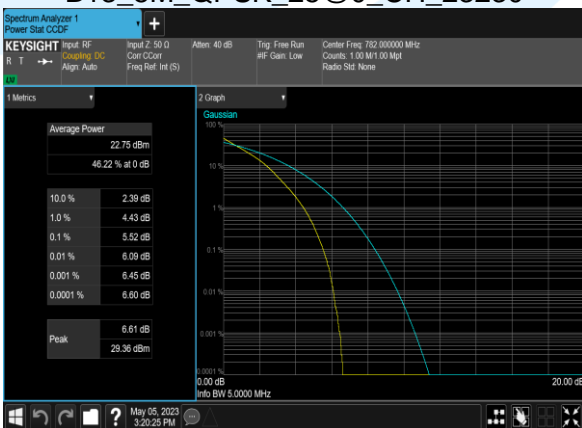
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B13_5M_16QAM_25@0_CH_23205



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B13_5M_16QAM_25@0_CH_23230



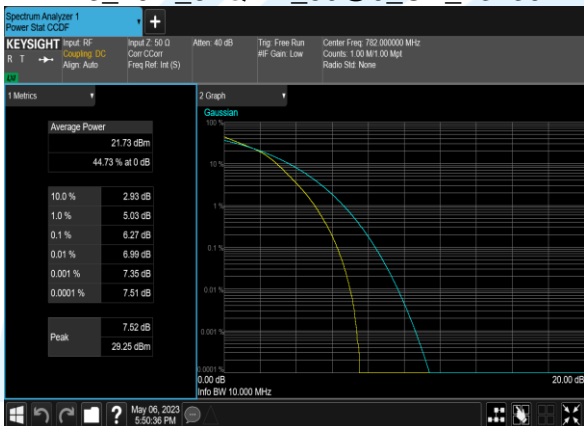
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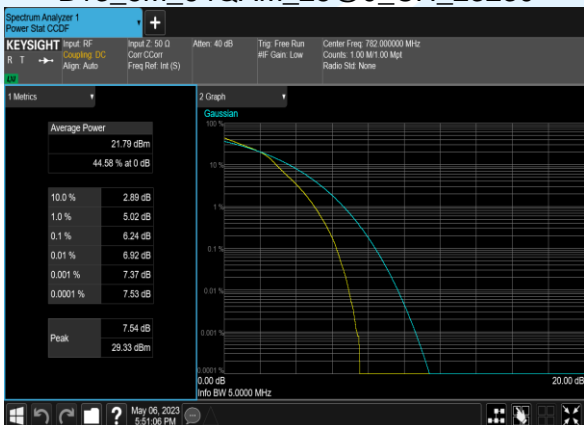
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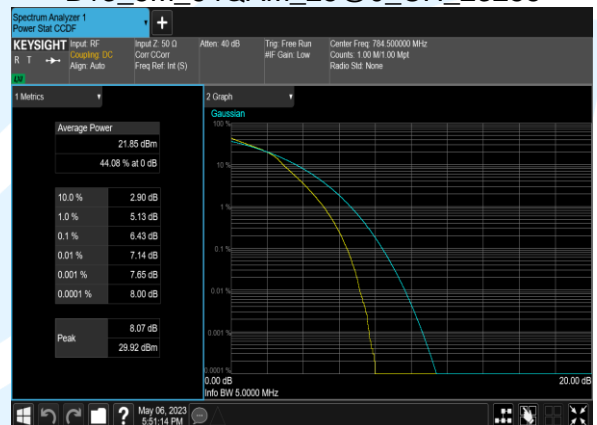
B13_5M_64QAM_25@0_CH_23205



B13_5M_64QAM_25@0_CH_23230



B13_5M_64QAM_25@0_CH_23255



Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
13	10.0	23230	782.0	QPSK	50@0	8.9308	9.385
13	10.0	23230	782.0	16QAM	50@0	8.9215	9.471
13	5.0	23205	779.5	QPSK	25@0	4.4454	4.791
13	5.0	23205	779.5	16QAM	25@0	4.4448	4.819
13	5.0	23230	782.0	QPSK	25@0	4.4575	4.795
13	5.0	23230	782.0	16QAM	25@0	4.4560	4.747
13	5.0	23255	784.5	QPSK	25@0	4.4617	4.793
13	5.0	23255	784.5	16QAM	25@0	4.4544	4.800

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
13	10.0	23230	782.0	64QAM	50@0	8.9062	9.500
13	5.0	23205	779.5	64QAM	25@0	4.4600	4.811
13	5.0	23230	782.0	64QAM	25@0	4.4568	4.795
13	5.0	23255	784.5	64QAM	25@0	4.4658	4.786

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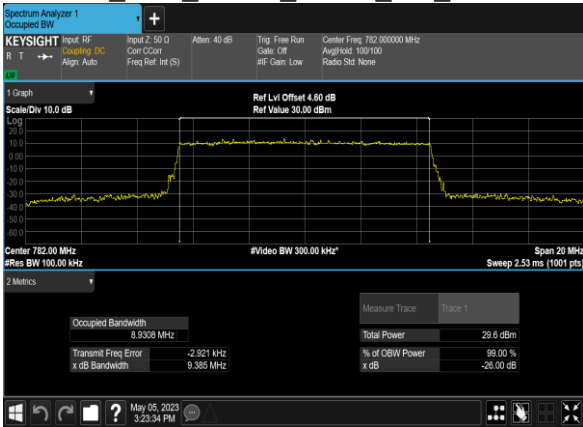
E-mail: info@uttlab.com

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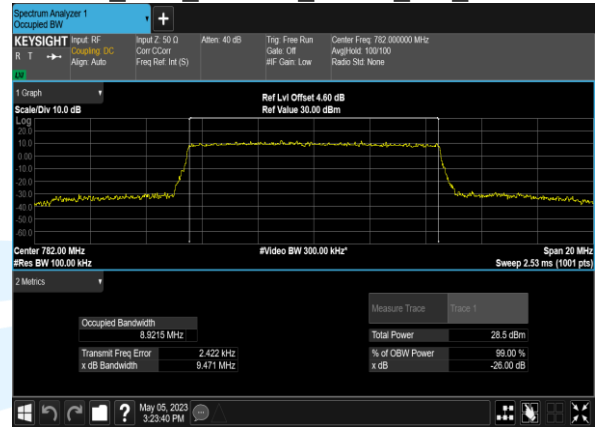
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Test Graphs

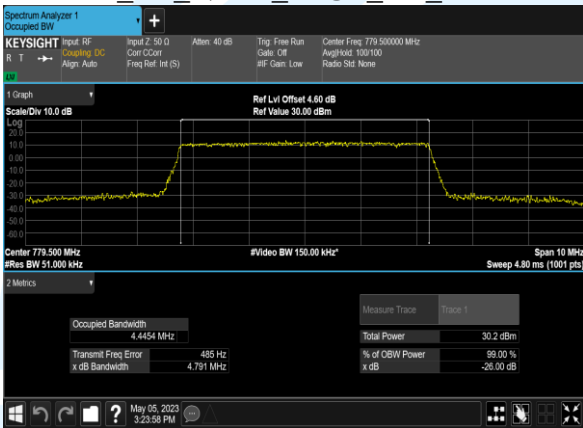
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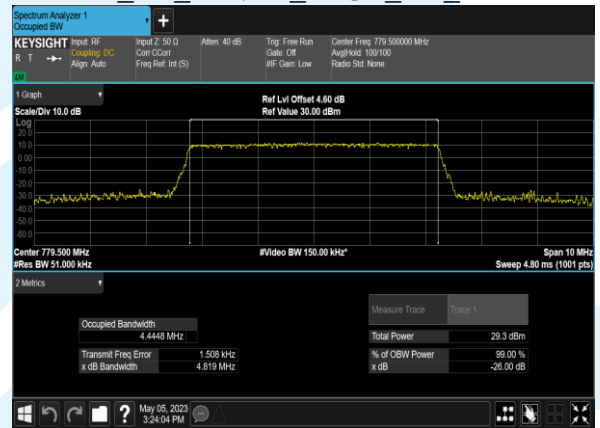
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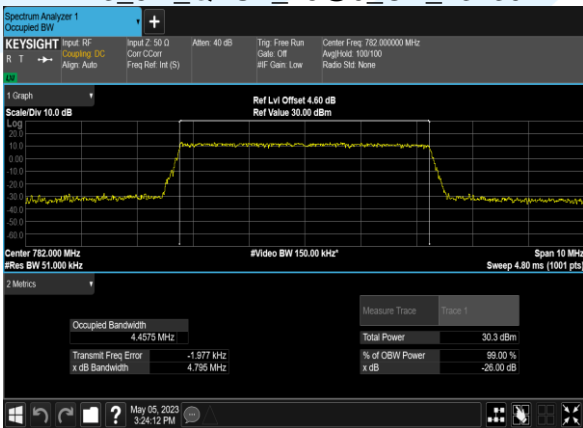
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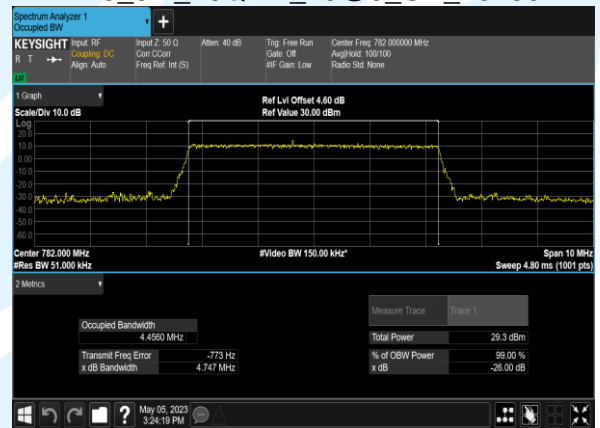
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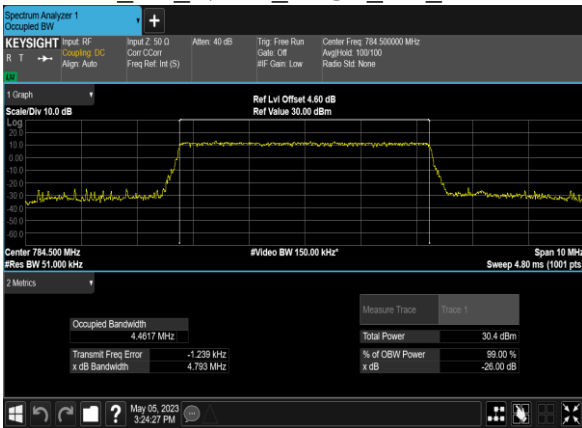
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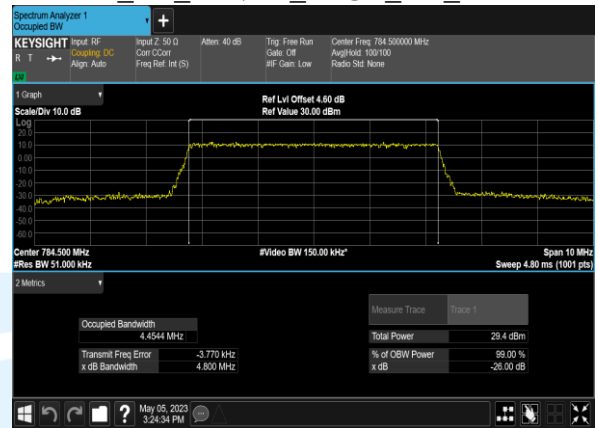
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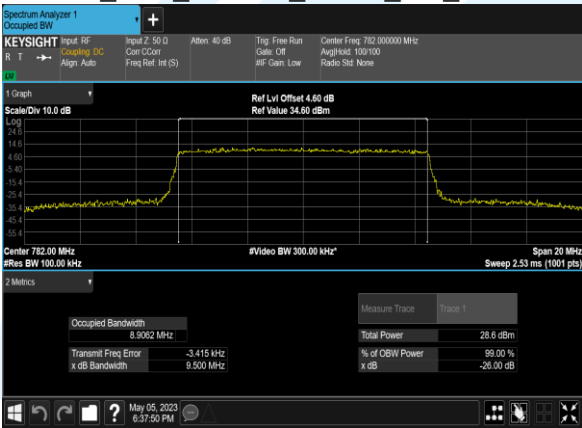
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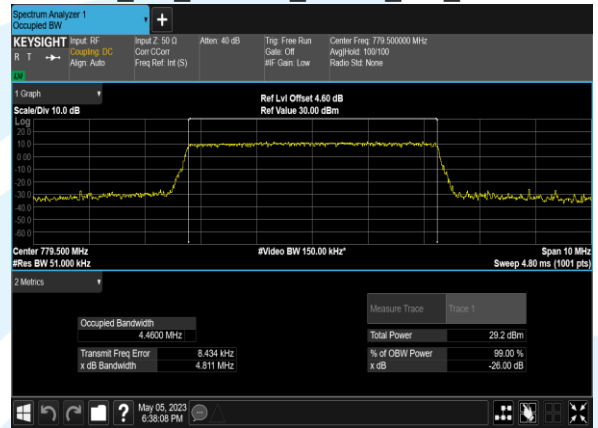
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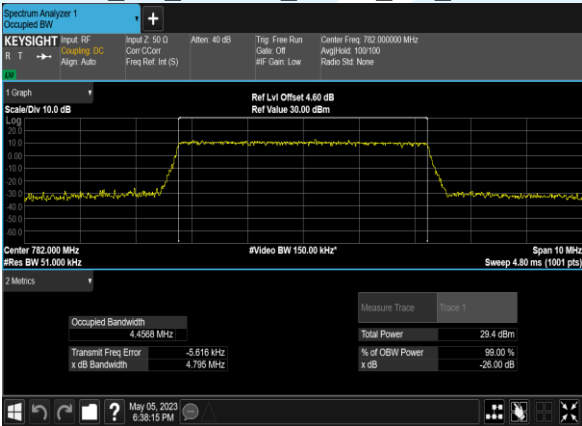
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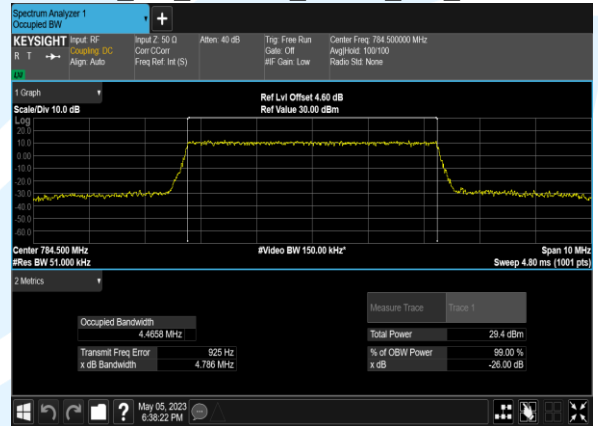
B13_5M_64QAM_25@0_CH_23205



B13_5M_64QAM_25@0_CH_23230



B13_5M_64QAM_25@0_CH_23255



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	-31.32	-13	PASS
13	10.0	23230	782.0	16QAM	1@0	-30.74	-13	PASS
13	5.0	23205	779.5	QPSK	1@0	-31.06	-13	PASS
13	5.0	23205	779.5	16QAM	1@0	-30.7	-13	PASS
13	5.0	23230	782.0	QPSK	1@0	-31.1	-13	PASS
13	5.0	23230	782.0	16QAM	1@0	-31.04	-13	PASS
13	5.0	23255	784.5	QPSK	1@0	-31.14	-13	PASS
13	5.0	23255	784.5	16QAM	1@0	-30.77	-13	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
13	10.0	23230	782.0	64QAM	1@0	-30.28	-13	PASS
13	5.0	23205	779.5	64QAM	1@0	-30.97	-13	PASS
13	5.0	23230	782.0	64QAM	1@0	-31.36	-13	PASS
13	5.0	23255	784.5	64QAM	1@0	-30.07	-13	PASS

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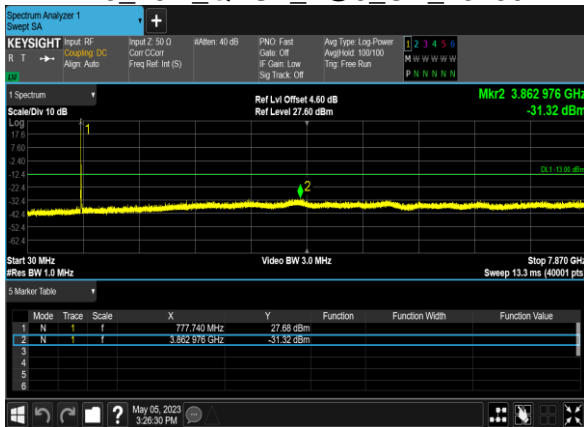
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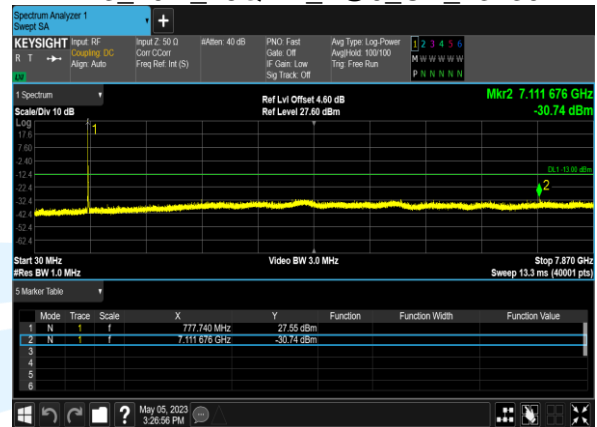
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Test Graphs

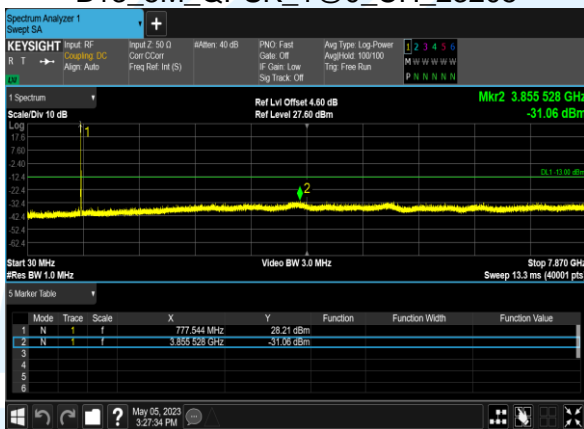
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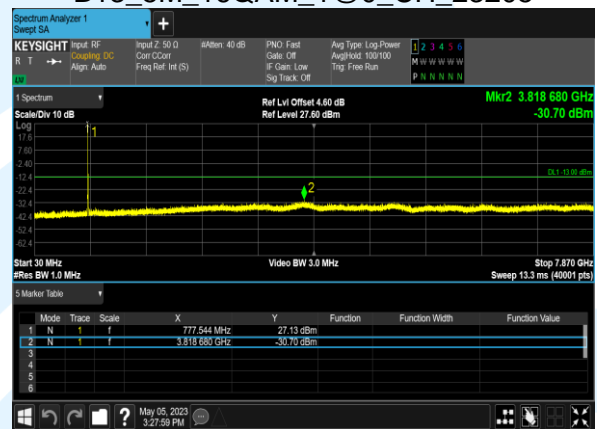
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B13_5M_QPSK_1@0_CH_23205



B13_5M_16QAM_1@0_CH_23205



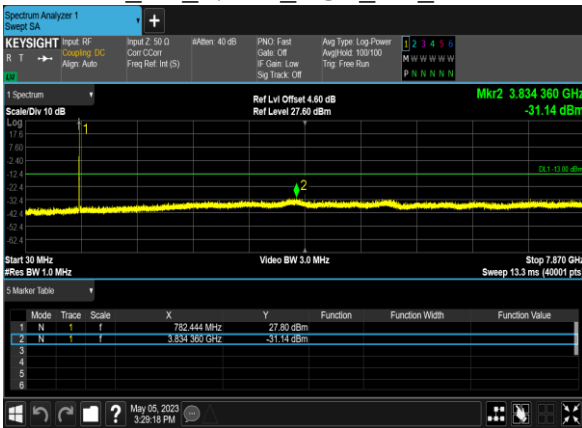
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B13_5M_16QAM_1@0_CH_23230



B13_5M_QPSK_1@0_CH_23255



B13_5M_16QAM_1@0_CH_23255



B13_10M_64QAM_1@0_CH_23230



B13_5M_64QAM_1@0_CH_23205



B13_5M_64QAM_1@0_CH_23230



B13_5M_64QAM_1@0_CH_23255



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

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
13	10.0	23230	782.0	64QAM	1@0	see graph	PASS
13	10.0	23230	782.0	64QAM	1@49	see graph	PASS
13	10.0	23230	782.0	64QAM	50@0	see graph	PASS
13	5.0	23205	779.5	64QAM	1@0	see graph	PASS
13	5.0	23205	779.5	64QAM	25@0	see graph	PASS
13	5.0	23255	784.5	64QAM	1@24	see graph	PASS
13	5.0	23255	784.5	64QAM	25@0	see graph	PASS

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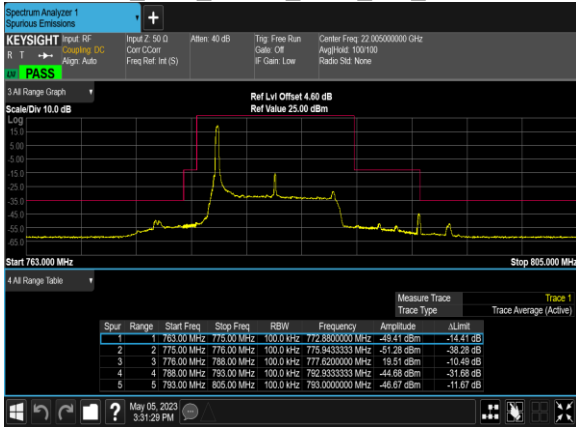
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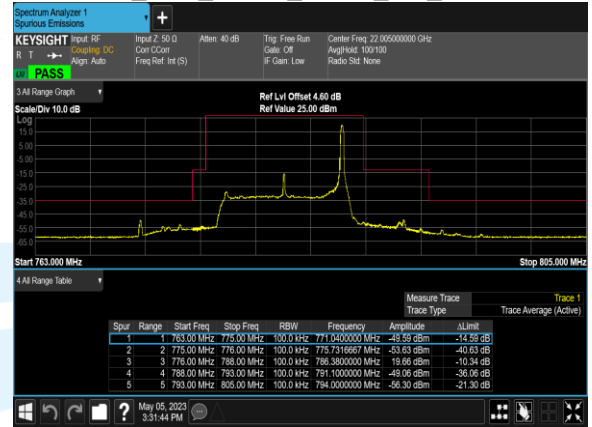
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Test Graphs

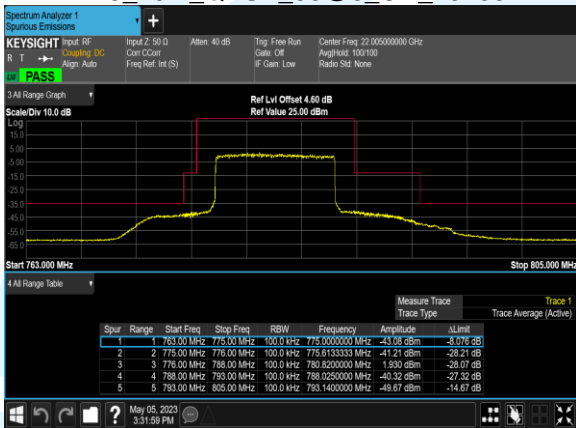
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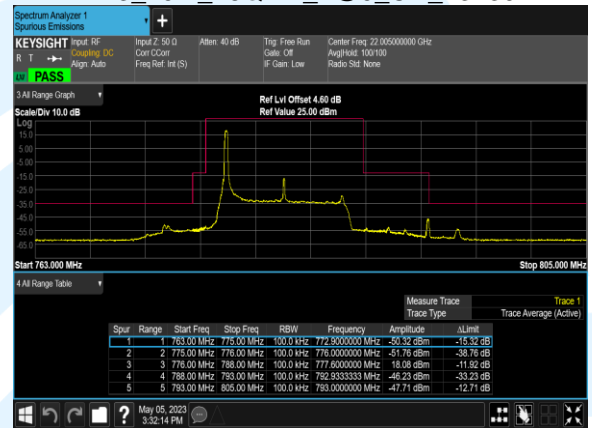
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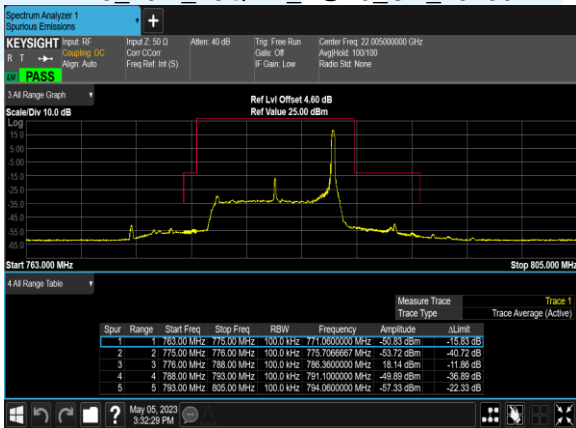
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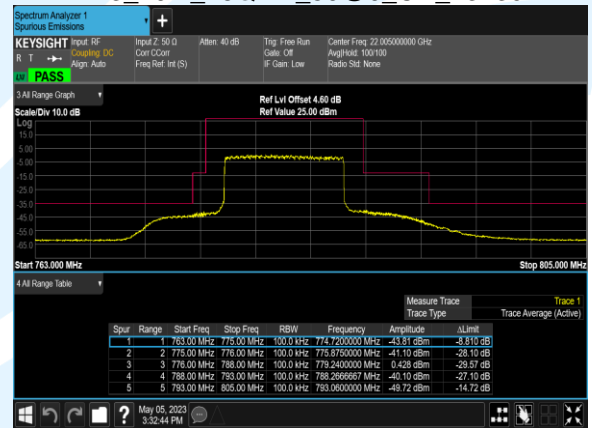
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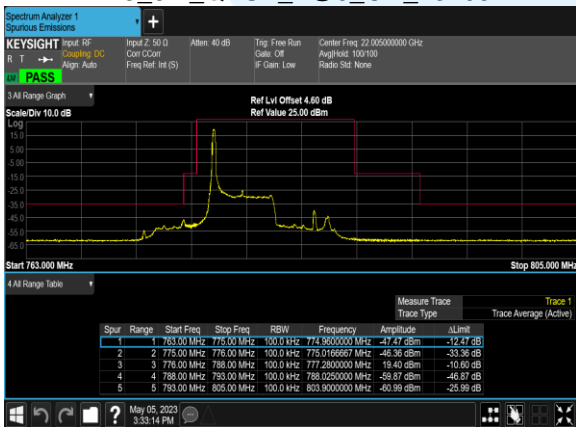
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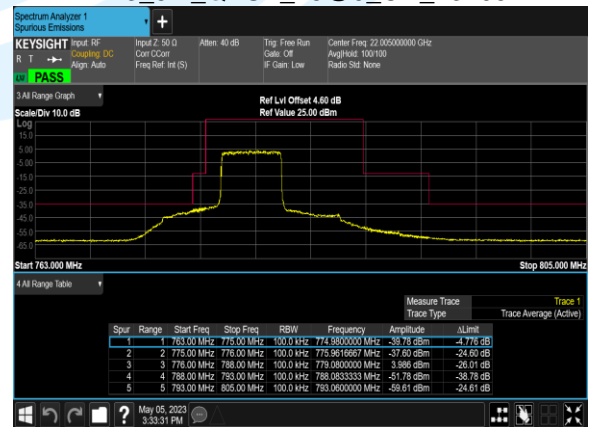
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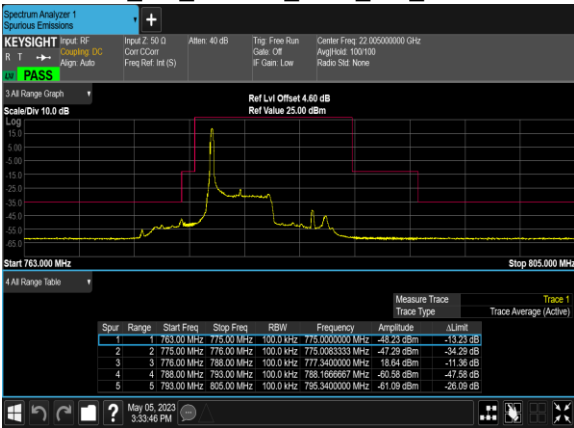
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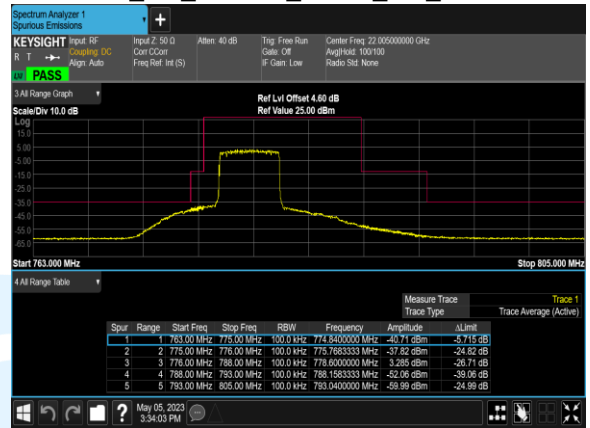
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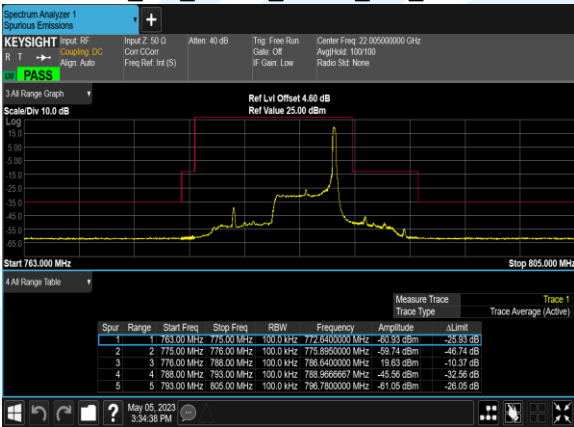
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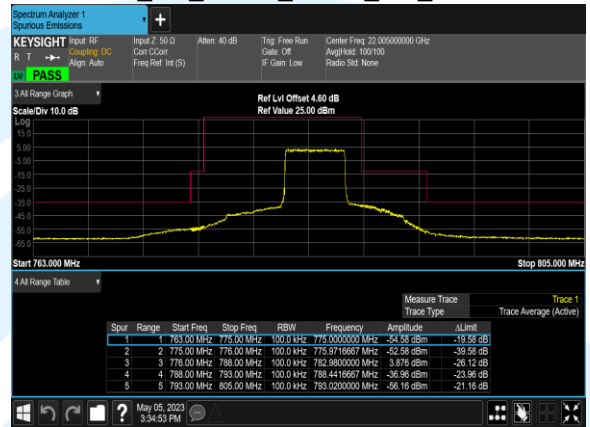
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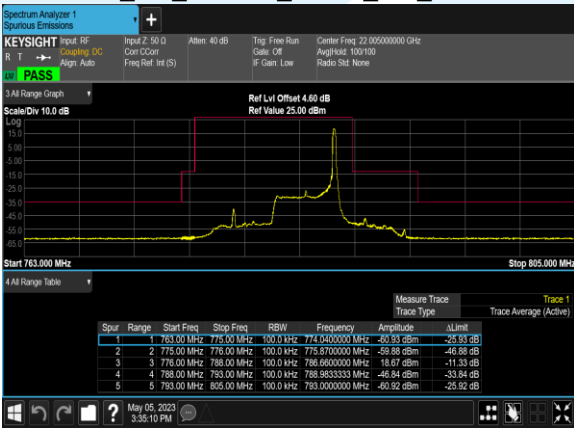
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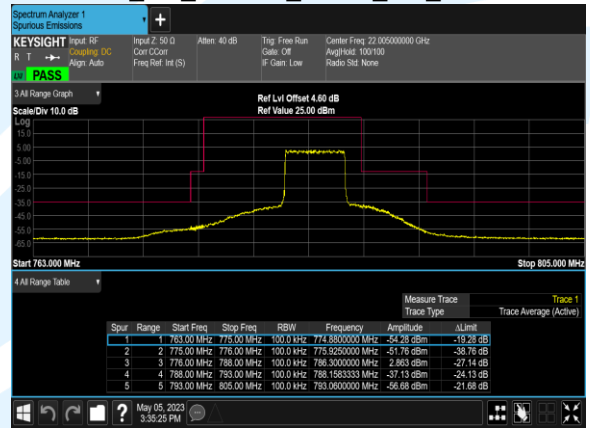
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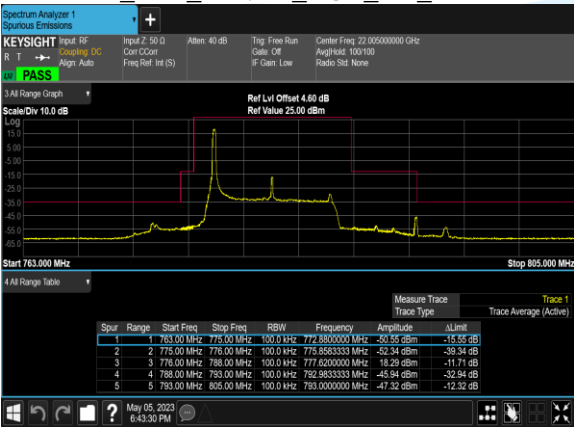
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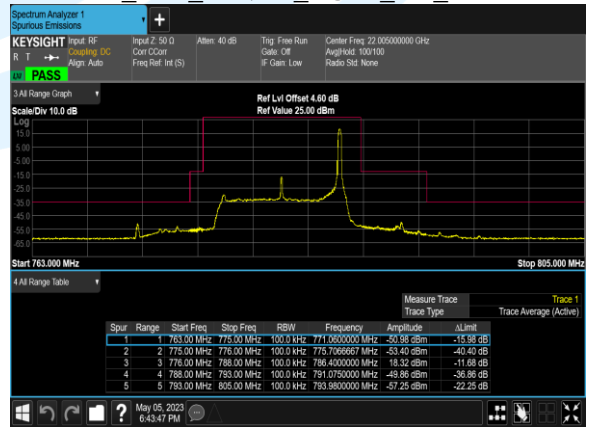
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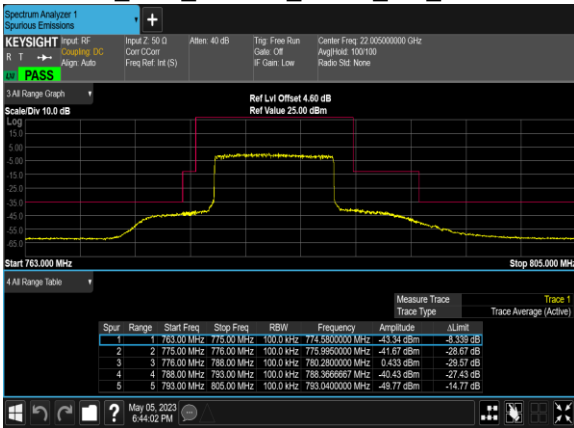
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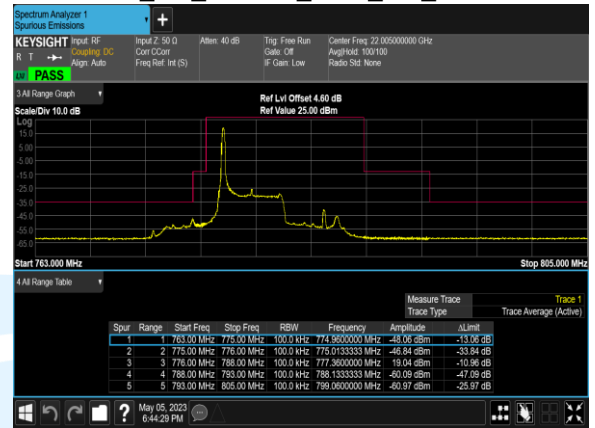
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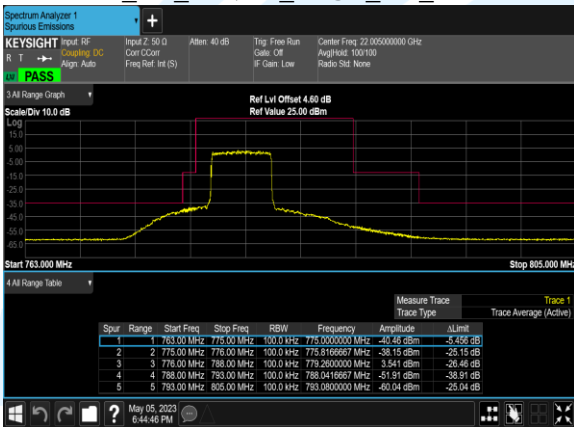
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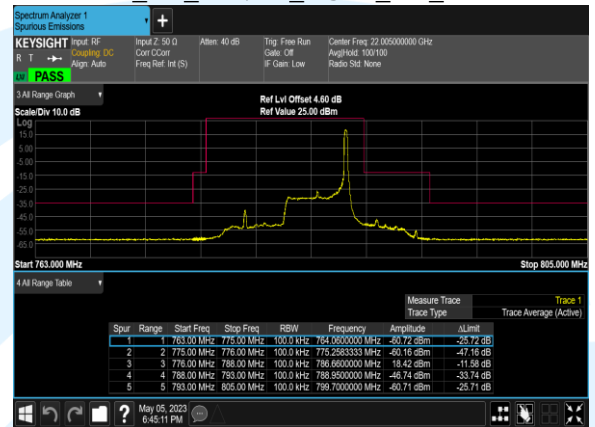
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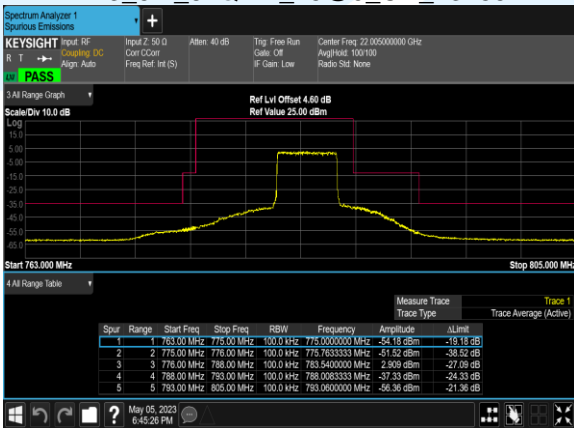
B13_5M_64QAM_25@0_CH_23205



B13_5M_64QAM_1@24_CH_23255



B13_5M_64QAM_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	5.74	13	PASS
17	10.0	23780	709.0	16QAM	50@0	6.57	13	PASS
17	10.0	23790	710.0	QPSK	50@0	5.66	13	PASS
17	10.0	23790	710.0	16QAM	50@0	6.45	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	6.00	13	PASS
17	5.0	23755	706.5	16QAM	25@0	6.71	13	PASS
17	5.0	23790	710.0	QPSK	25@0	5.82	13	PASS
17	5.0	23790	710.0	16QAM	25@0	6.56	13	PASS
17	5.0	23825	713.5	QPSK	25@0	5.44	13	PASS
17	5.0	23825	713.5	16QAM	25@0	6.18	13	PASS

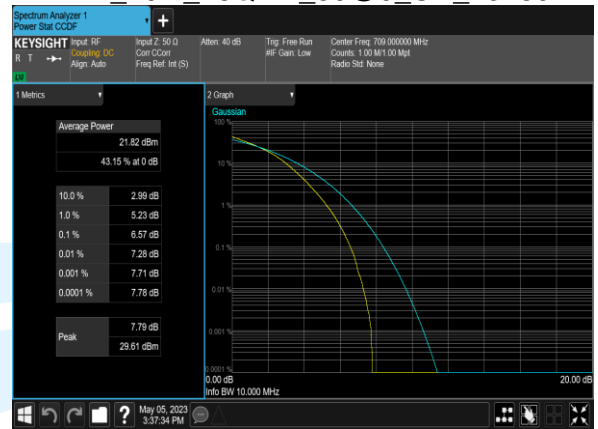
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
17	10.0	23780	709.0	64QAM	50@0	6.56	13	PASS
17	10.0	23790	710.0	64QAM	50@0	6.45	13	PASS
17	10.0	23800	711.0	64QAM	50@0	6.38	13	PASS
17	5.0	23755	706.5	64QAM	25@0	6.68	13	PASS
17	5.0	23790	710.0	64QAM	25@0	6.53	13	PASS
17	5.0	23825	713.5	64QAM	25@0	6.20	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



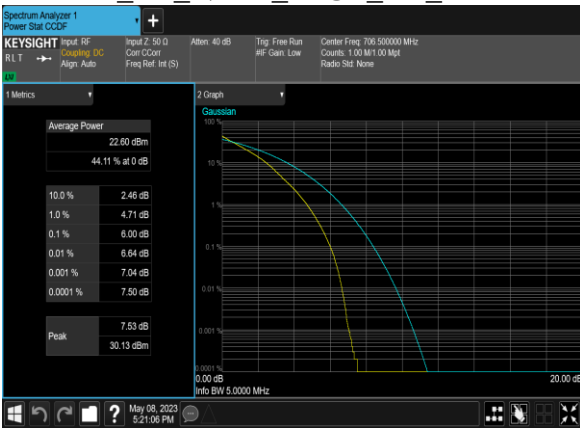
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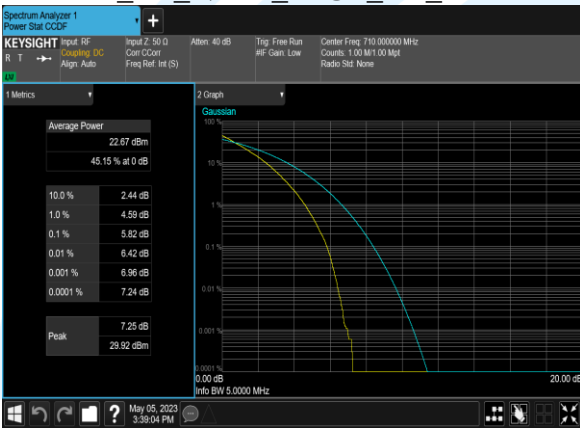
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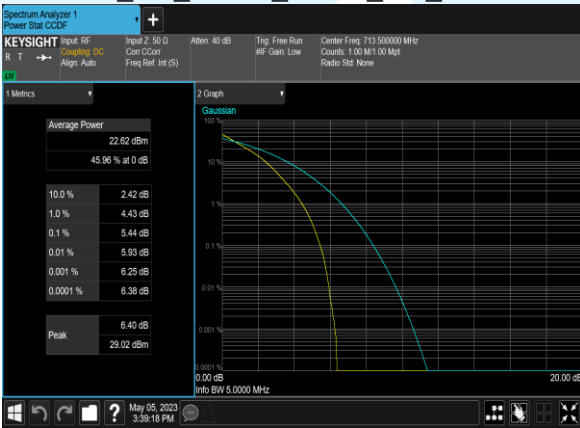
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B17_5M_16QAM_25@0_CH_23790



B17_5M_QPSK_25@0_CH_23825



B17_5M_16QAM_25@0_CH_23825



B17_10M_64QAM_50@0_CH_23780



B17_10M_64QAM_50@0_CH_23790



B17_10M_64QAM_50@0_CH_23800



B17_5M_64QAM_25@0_CH_23755



B17_5M_64QAM_25@0_CH_23790



B17_5M_64QAM_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	8.9440	9.591
17	10.0	23780	709.0	16QAM	50@0	8.9629	9.487
17	10.0	23790	710.0	QPSK	50@0	8.9434	9.403
17	10.0	23790	710.0	16QAM	50@0	8.9195	9.440
17	10.0	23800	711.0	QPSK	50@0	8.9168	9.479
17	10.0	23800	711.0	16QAM	50@0	8.8997	9.473
17	5.0	23755	706.5	QPSK	25@0	4.4657	4.787
17	5.0	23755	706.5	16QAM	25@0	4.4545	4.805
17	5.0	23790	710.0	QPSK	25@0	4.4706	4.767
17	5.0	23790	710.0	16QAM	25@0	4.4597	4.769
17	5.0	23825	713.5	QPSK	25@0	4.4813	4.777
17	5.0	23825	713.5	16QAM	25@0	4.4601	4.787

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
17	10.0	23780	709.0	64QAM	50@0	8.9313	9.482
17	10.0	23790	710.0	64QAM	50@0	8.9464	9.446
17	10.0	23800	711.0	64QAM	50@0	8.9084	9.445
17	5.0	23755	706.5	64QAM	25@0	4.4755	4.833
17	5.0	23790	710.0	64QAM	25@0	4.4635	4.806
17	5.0	23825	713.5	64QAM	25@0	4.4622	4.793

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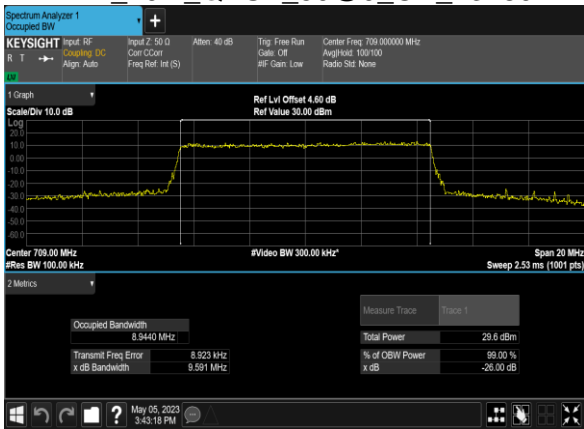
E-mail: info@uttlab.com

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Test Graphs

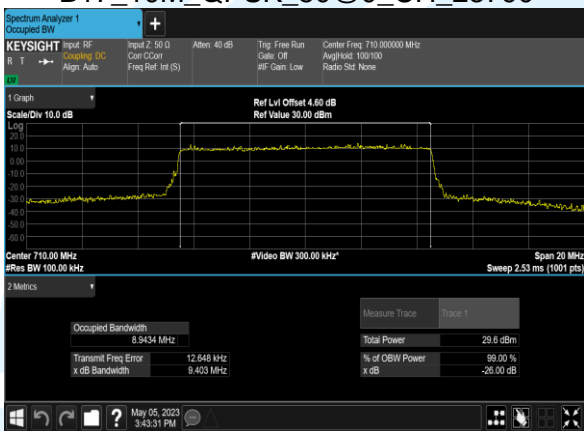
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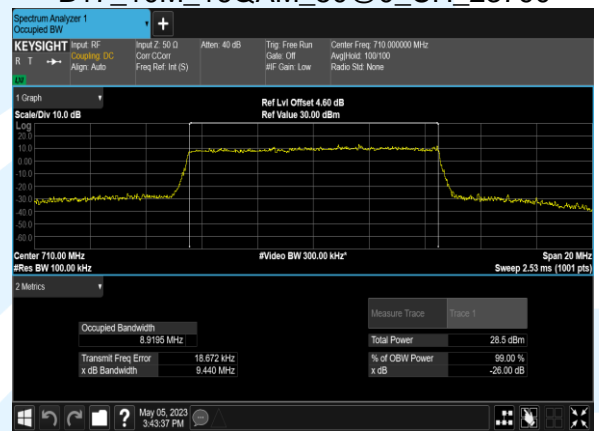
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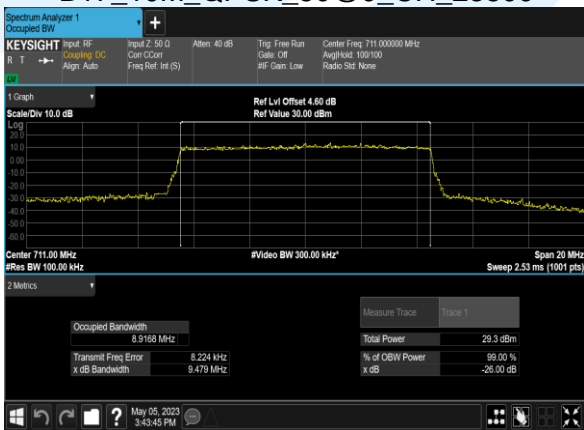
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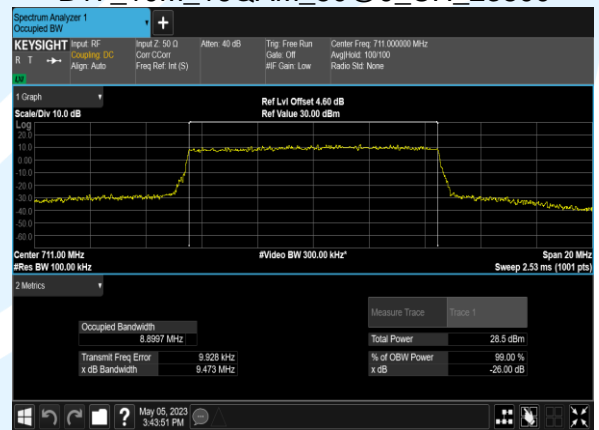
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B17_10M_16QAM_50@0_CH_23800



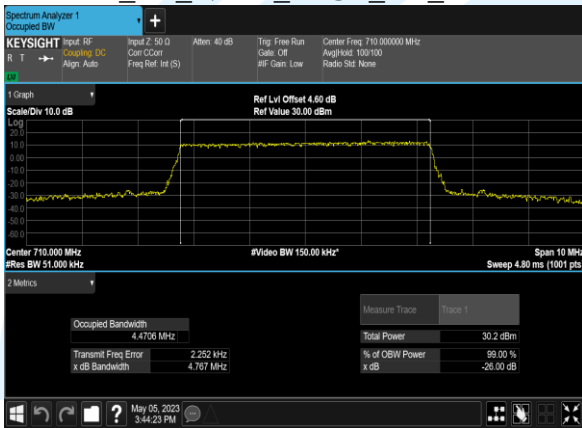
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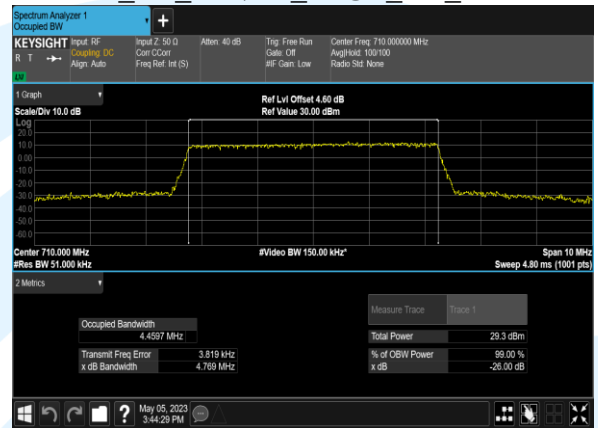
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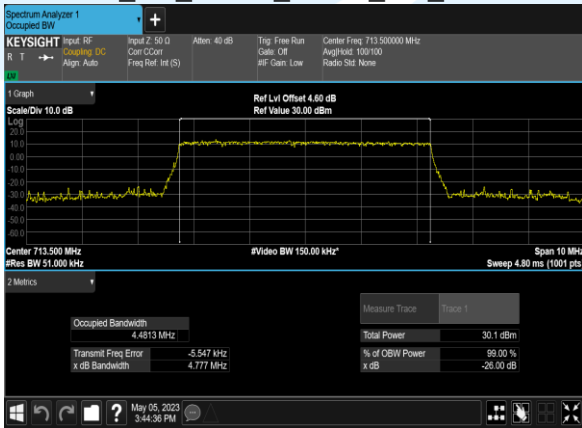
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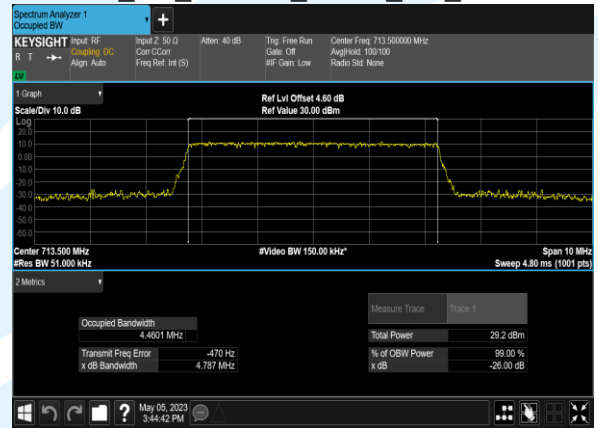
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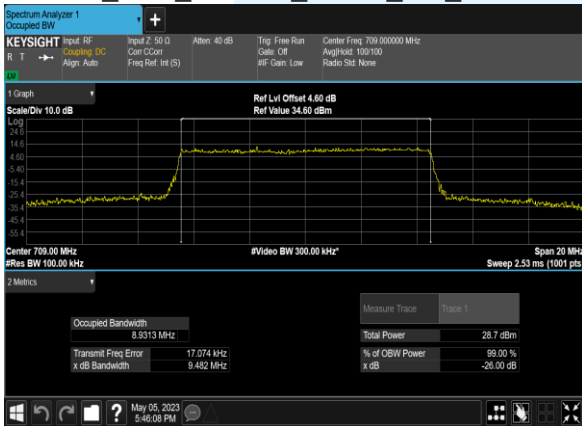
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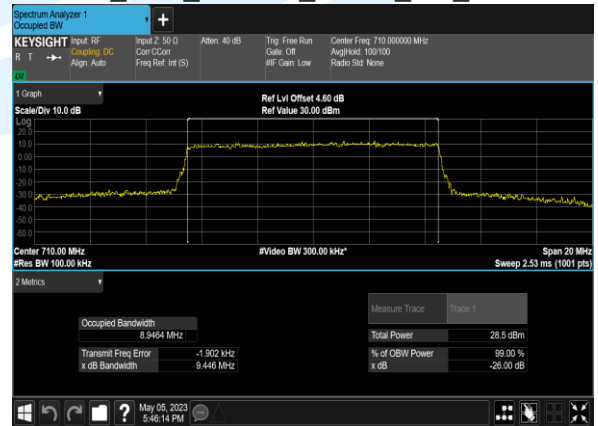
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B17_10M_64QAM_50@0_CH_23780



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