B17_10M_QPSK_50@0_CH_23800

B17_10M_16QAM_50@0_CH_23800

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

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

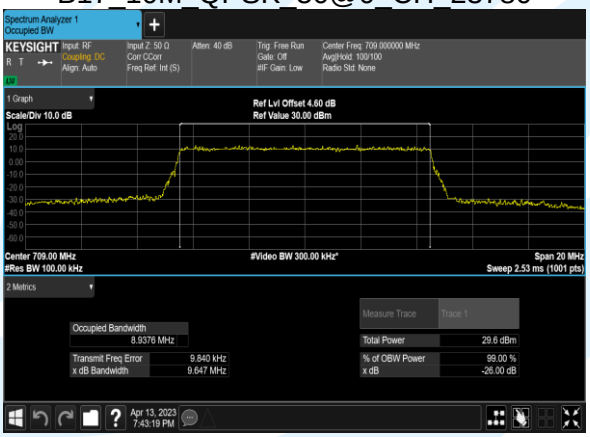
B17_5M_64QAM_25@0_CH_23825

Occupied Bandwidth

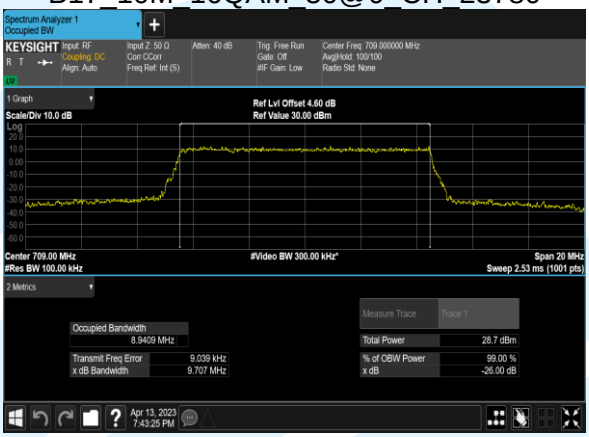
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
17	10.0	23780	709.0	QPSK	50@0	8.9376	9.647
17	10.0	23780	709.0	16QAM	50@0	8.9409	9.707
17	10.0	23790	710.0	QPSK	50@0	8.9442	9.589
17	10.0	23790	710.0	16QAM	50@0	8.9481	9.634
17	10.0	23800	711.0	QPSK	50@0	8.9513	9.670
17	10.0	23800	711.0	16QAM	50@0	8.9612	9.662
17	5.0	23755	706.5	QPSK	25@0	4.4600	4.891
17	5.0	23755	706.5	16QAM	25@0	4.4636	4.851
17	5.0	23790	710.0	QPSK	25@0	4.4517	4.837
17	5.0	23790	710.0	16QAM	25@0	4.4595	4.870
17	5.0	23825	713.5	QPSK	25@0	4.4555	4.876
17	5.0	23825	713.5	16QAM	25@0	4.4557	4.871
17	10.0	23780	709.0	64QAM	50@0	8.9291	9.631
17	10.0	23790	710.0	64QAM	50@0	8.9361	9.559
17	10.0	23800	711.0	64QAM	50@0	8.9420	9.712
17	5.0	23755	706.5	64QAM	25@0	4.4516	4.844
17	5.0	23790	710.0	64QAM	25@0	4.4603	4.847
17	5.0	23825	713.5	64QAM	25@0	4.4632	4.912

Test Graphs

B17_10M_QPSK_50@0_CH_23780



B17_10M_16QAM_50@0_CH_23780



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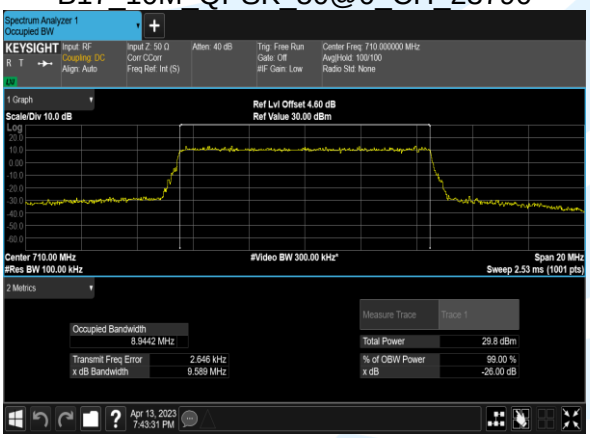
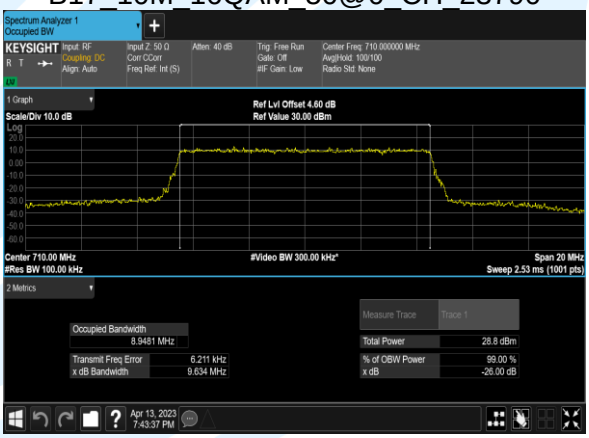


B17_10M_16QAM_50@0_CH_23790



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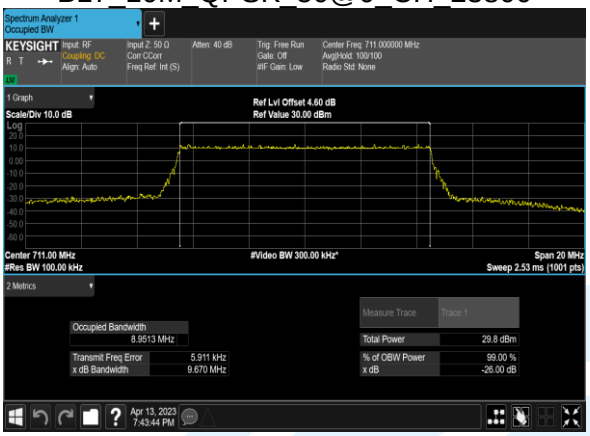

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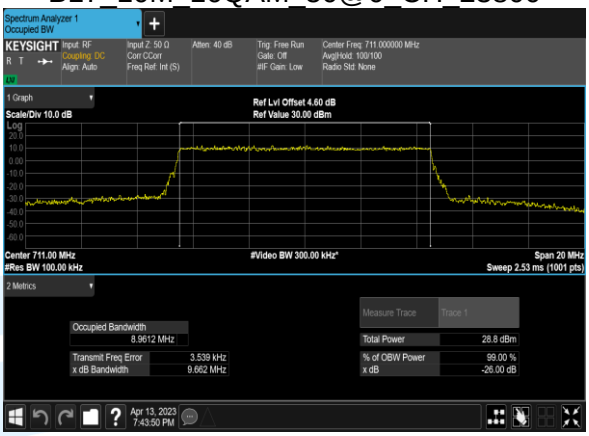
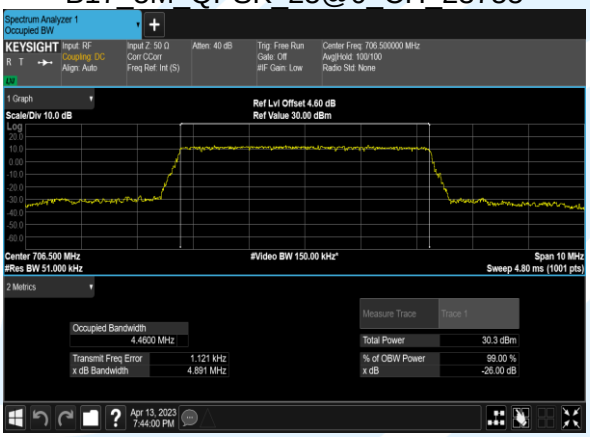
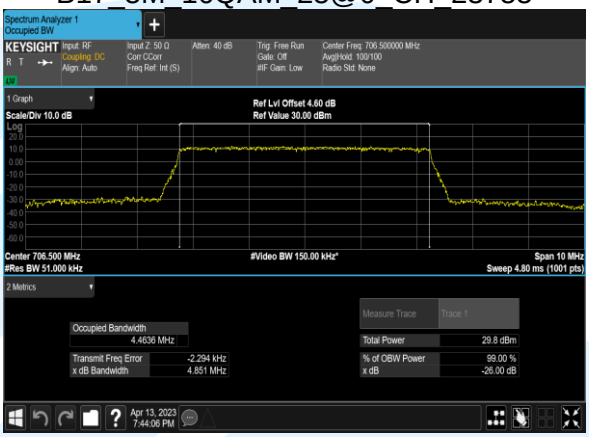


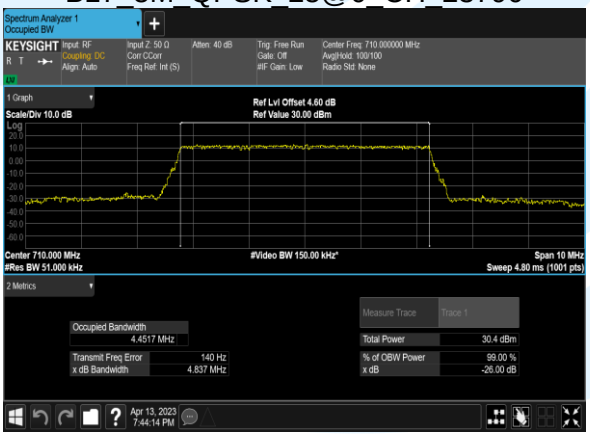
B17_5M_QPSK_25@0_CH_23755



B17_5M_16QAM_25@0_CH_23755



B17_5M_QPSK_25@0_CH_23790



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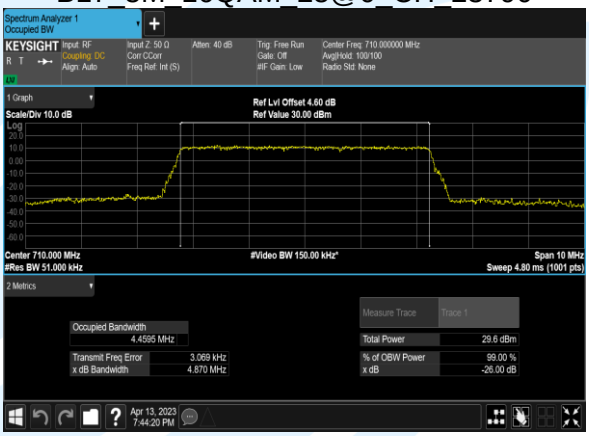
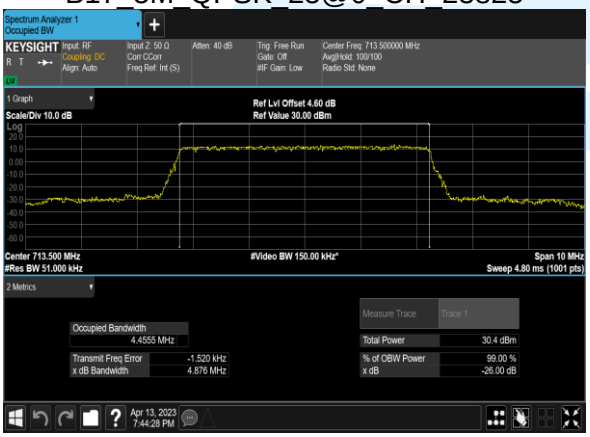
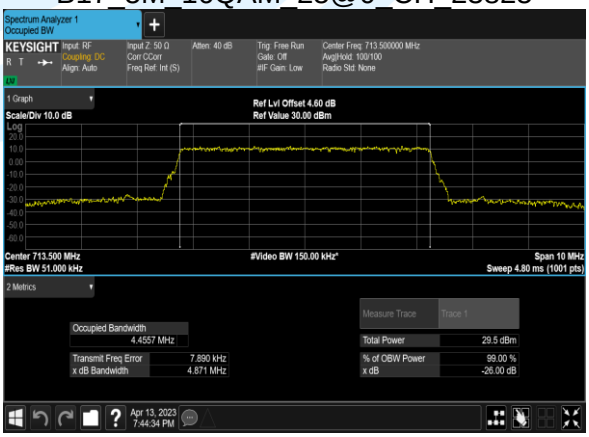


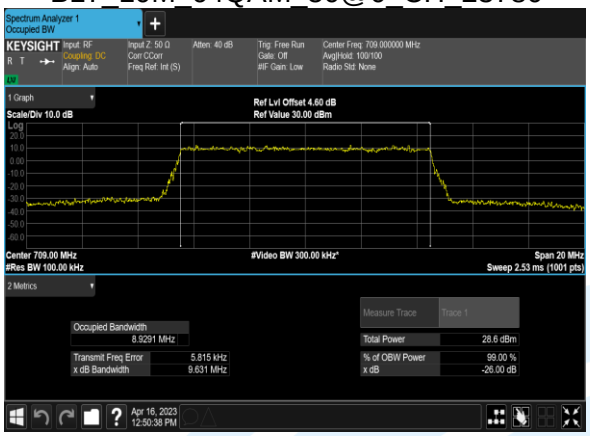
B17_5M_QPSK_25@0_CH_23825



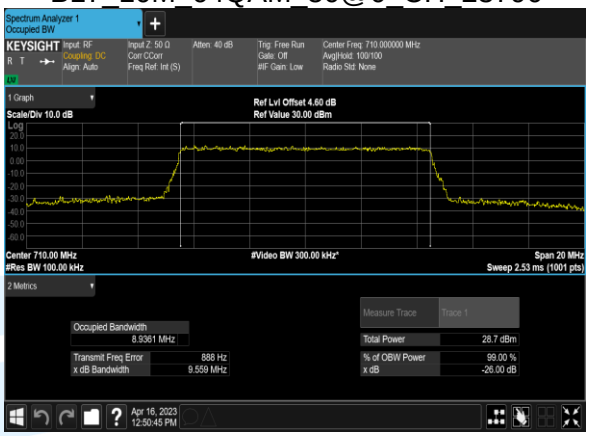
B17_5M_16QAM_25@0_CH_23825



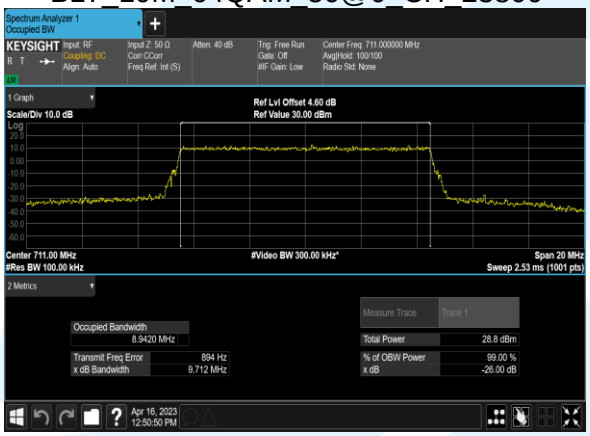
B17_10M_64QAM_50@0_CH_23780



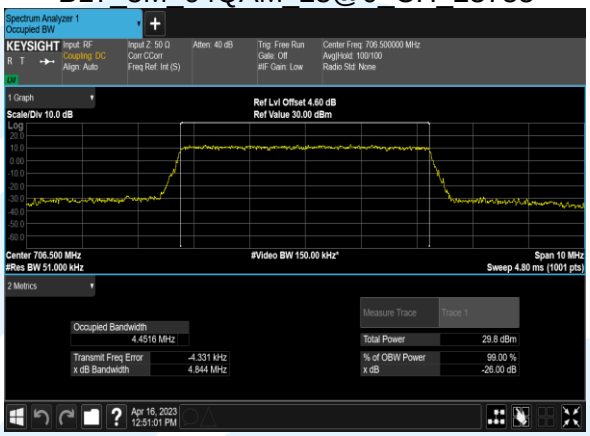
B17_10M_64QAM_50@0_CH_23790



B17_10M_64QAM_50@0_CH_23800



B17_5M_64QAM_25@0_CH_23755



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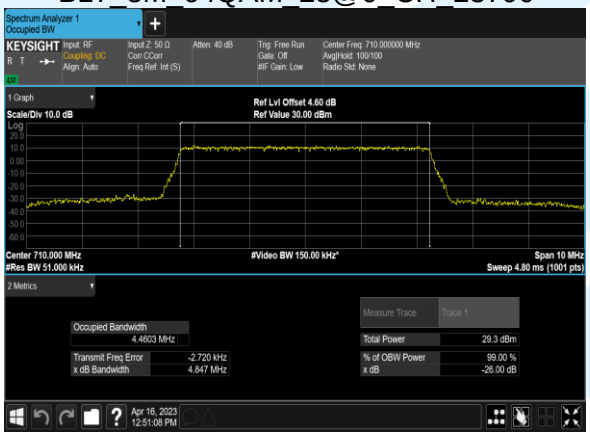
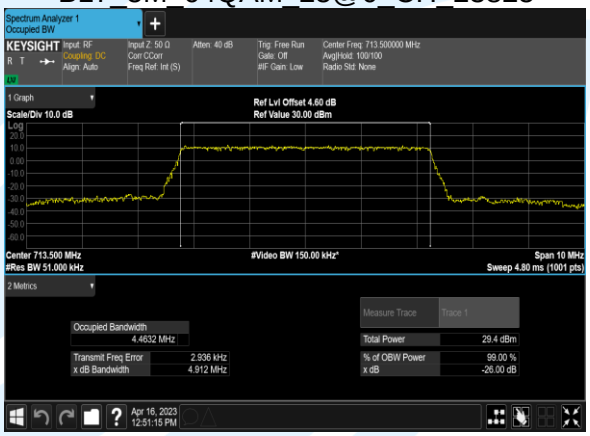


B17_5M_64QAM_25@0_CH_23825

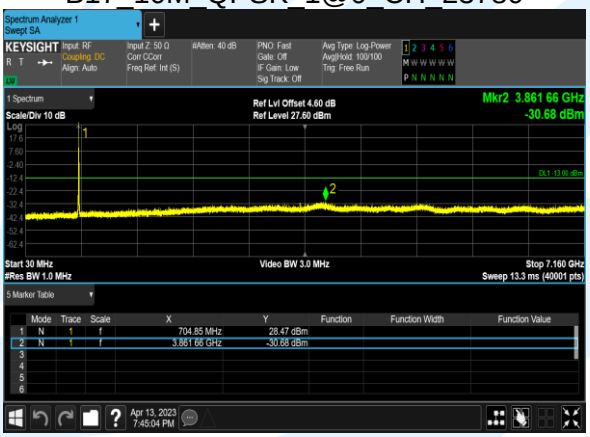


Conducted Spurious Emissions

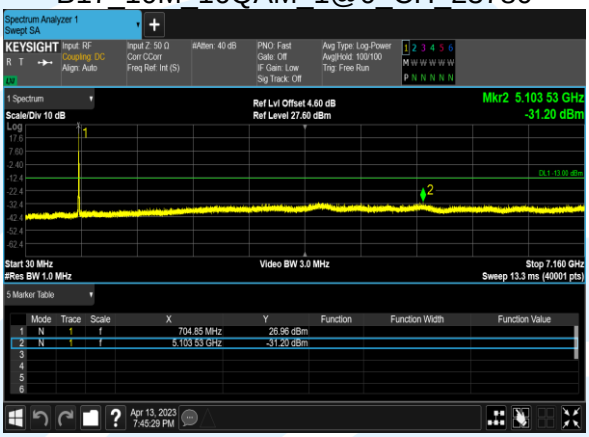
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
17	10.0	23780	709.0	QPSK	1@0	-30.68	-13	PASS
17	10.0	23780	709.0	16QAM	1@0	-31.2	-13	PASS
17	10.0	23790	710.0	QPSK	1@0	-30.25	-13	PASS
17	10.0	23790	710.0	16QAM	1@0	-31.17	-13	PASS
17	10.0	23800	711.0	QPSK	1@0	-31.61	-13	PASS
17	10.0	23800	711.0	16QAM	1@0	-31.24	-13	PASS
17	5.0	23755	706.5	QPSK	1@0	-30.36	-13	PASS
17	5.0	23755	706.5	16QAM	1@0	-30.61	-13	PASS
17	5.0	23790	710.0	QPSK	1@0	-30.99	-13	PASS
17	5.0	23790	710.0	16QAM	1@0	-31.55	-13	PASS
17	5.0	23825	713.5	QPSK	1@0	-30.31	-13	PASS
17	5.0	23825	713.5	16QAM	1@0	-31.12	-13	PASS
17	10.0	23780	709.0	64QAM	1@0	-31.06	-13	PASS
17	10.0	23790	710.0	64QAM	1@0	-31.69	-13	PASS
17	10.0	23800	711.0	64QAM	1@0	-31.45	-13	PASS
17	5.0	23755	706.5	64QAM	1@0	-30.55	-13	PASS
17	5.0	23790	710.0	64QAM	1@0	-31.33	-13	PASS
17	5.0	23825	713.5	64QAM	1@0	-31.25	-13	PASS

Test Graphs

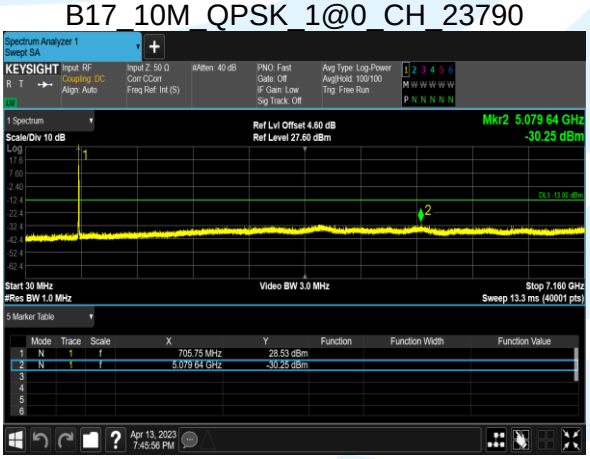
B17_10M_QPSK_1@0_CH_23780



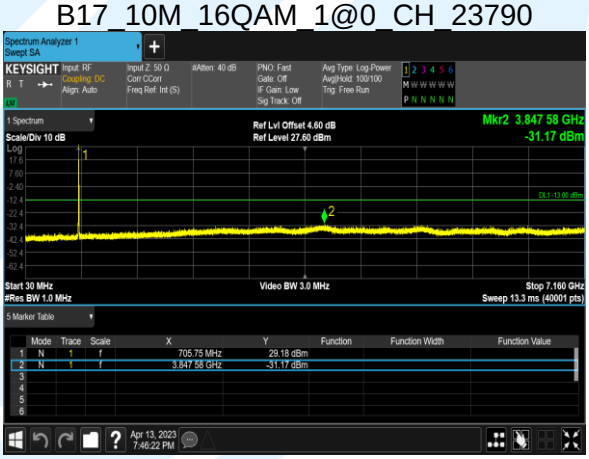
B17_10M_16QAM_1@0_CH_23780



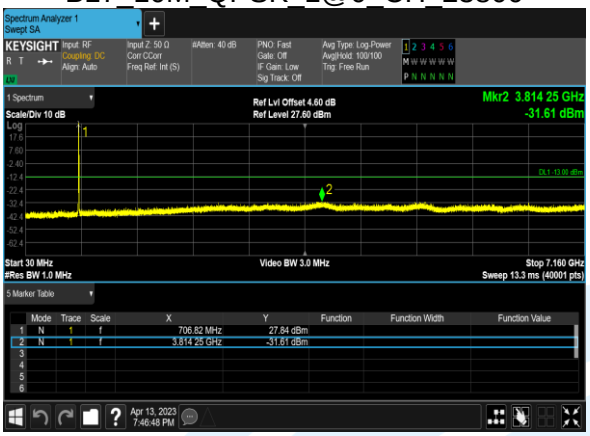
B17_10M_QPSK_1@0_CH_23790



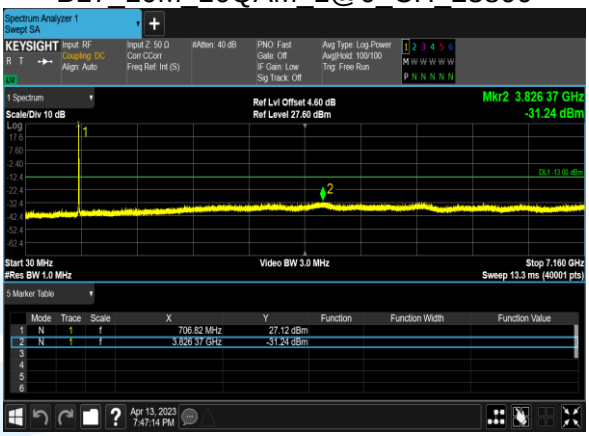
B17_10M_16QAM_1@0_CH_23790



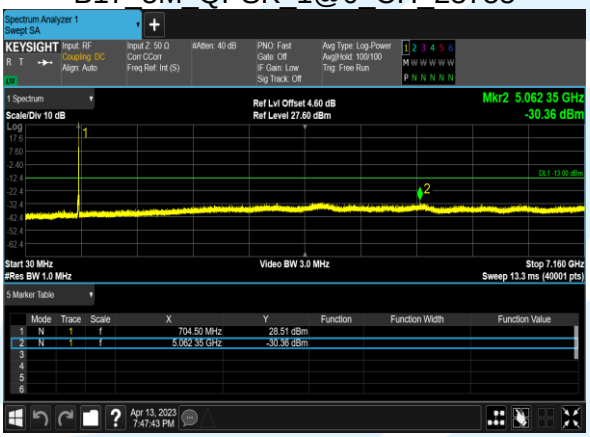
B17_10M_QPSK_1@0_CH_23800



B17_10M_16QAM_1@0_CH_23800



B17_5M_QPSK_1@0_CH_23755



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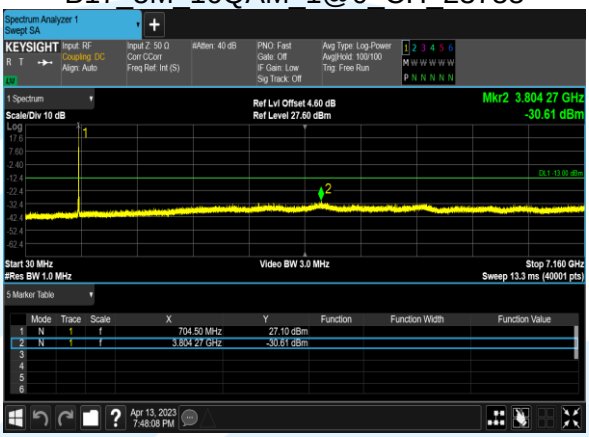
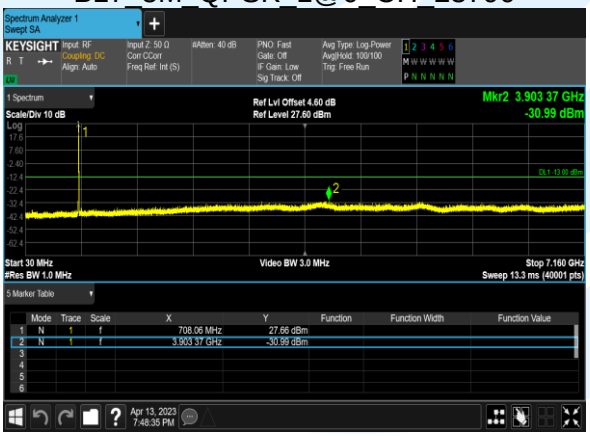
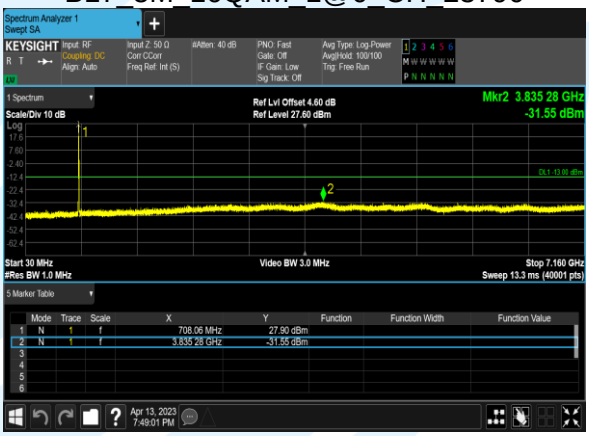


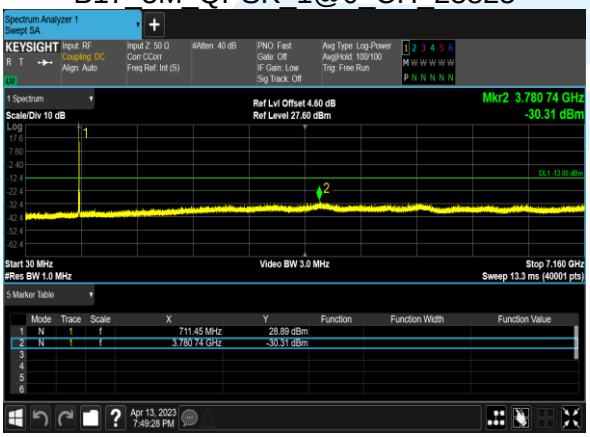
B17_5M_QPSK_1@0_CH_23790



B17_5M_16QAM_1@0_CH_23790



B17_5M_QPSK_1@0_CH_23825



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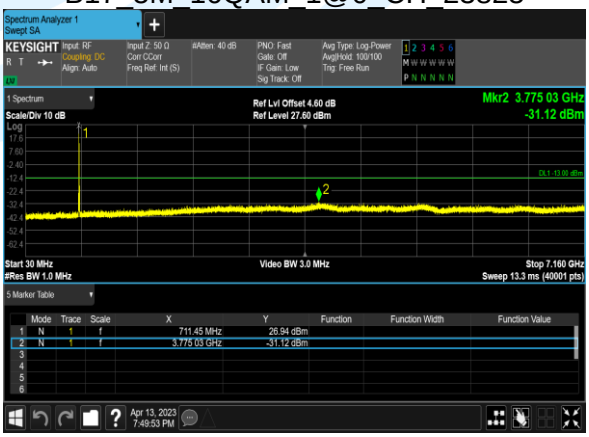
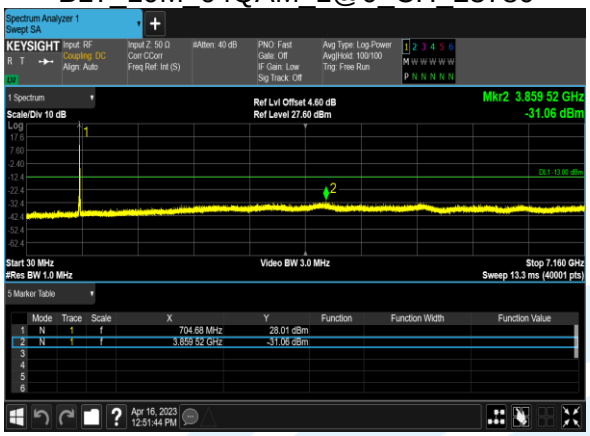
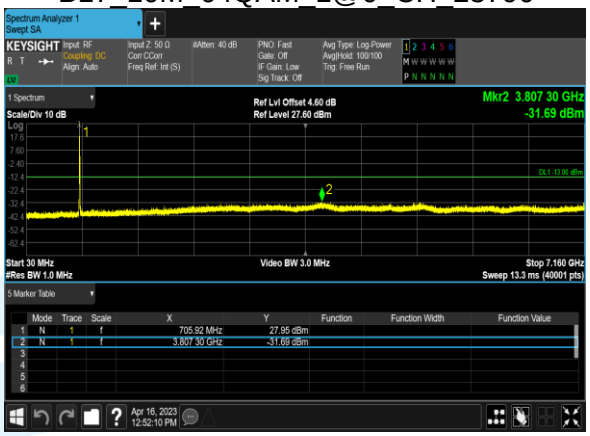


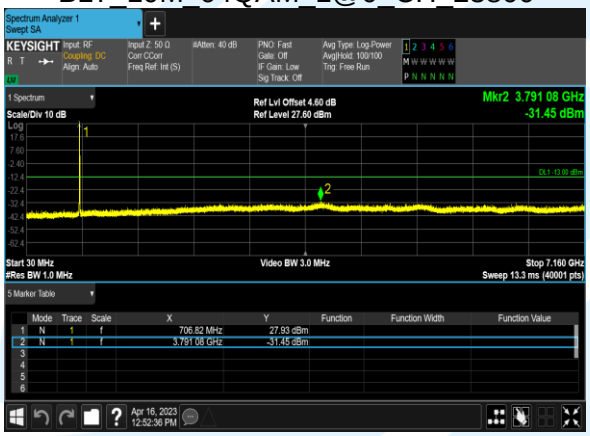
B17_10M_64QAM_1@0_CH_23780



B17_10M_64QAM_1@0_CH_23790



B17_10M_64QAM_1@0_CH_23800



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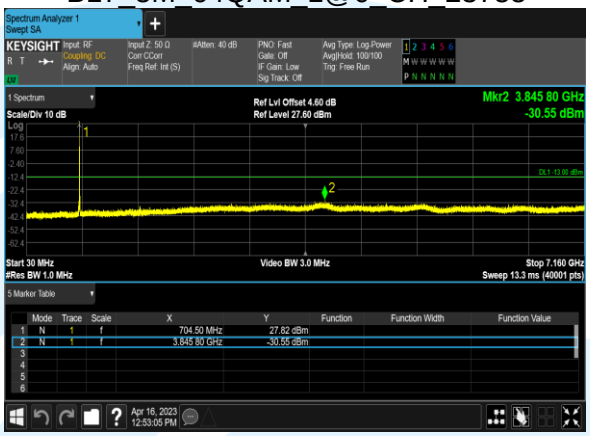

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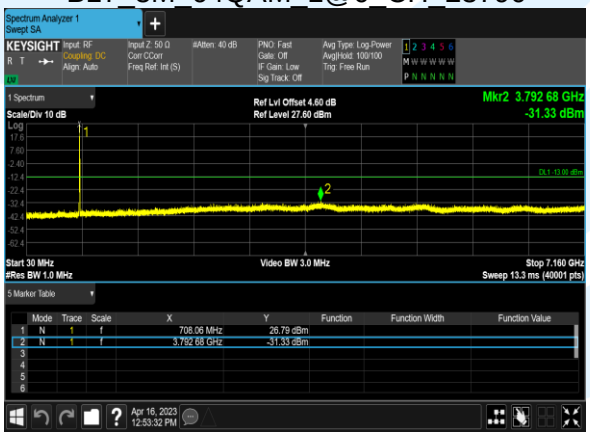
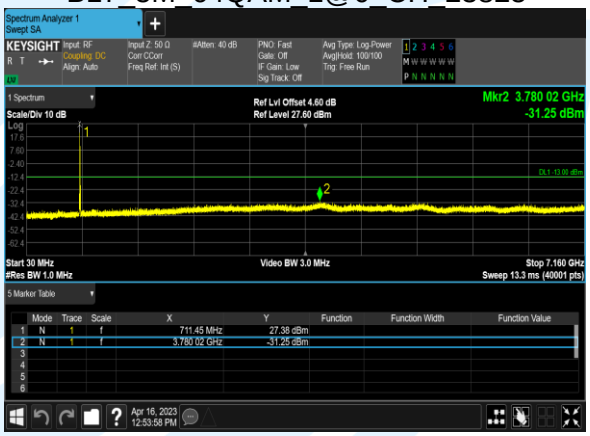


B17_5M_64QAM_1@0_CH_23825

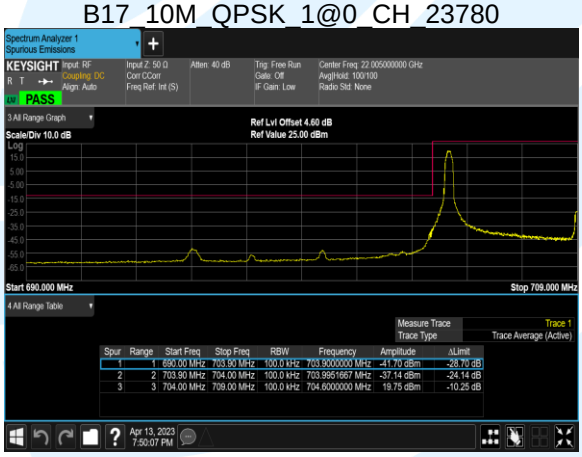


Conducted Band Edge

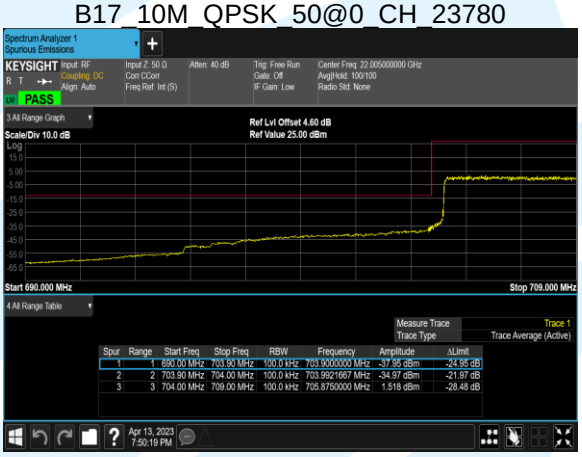
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
17	10.0	23780	709.0	QPSK	1@0	see graph	PASS
17	10.0	23780	709.0	QPSK	50@0	see graph	PASS
17	10.0	23780	709.0	16QAM	1@0	see graph	PASS
17	10.0	23780	709.0	16QAM	50@0	see graph	PASS
17	10.0	23800	711.0	QPSK	1@49	see graph	PASS
17	10.0	23800	711.0	QPSK	50@0	see graph	PASS
17	10.0	23800	711.0	16QAM	1@49	see graph	PASS
17	10.0	23800	711.0	16QAM	50@0	see graph	PASS
17	5.0	23755	706.5	QPSK	1@0	see graph	PASS
17	5.0	23755	706.5	QPSK	25@0	see graph	PASS
17	5.0	23755	706.5	16QAM	1@0	see graph	PASS
17	5.0	23755	706.5	16QAM	25@0	see graph	PASS
17	5.0	23825	713.5	QPSK	1@24	see graph	PASS
17	5.0	23825	713.5	QPSK	25@0	see graph	PASS
17	5.0	23825	713.5	16QAM	1@24	see graph	PASS
17	5.0	23825	713.5	16QAM	25@0	see graph	PASS
17	10.0	23780	709.0	64QAM	1@0	see graph	PASS
17	10.0	23780	709.0	64QAM	50@0	see graph	PASS
17	10.0	23800	711.0	64QAM	1@49	see graph	PASS
17	10.0	23800	711.0	64QAM	50@0	see graph	PASS
17	5.0	23755	706.5	64QAM	1@0	see graph	PASS
17	5.0	23755	706.5	64QAM	25@0	see graph	PASS
17	5.0	23825	713.5	64QAM	1@24	see graph	PASS
17	5.0	23825	713.5	64QAM	25@0	see graph	PASS

Test Graphs

B17_10M_QPSK_1@0_CH_23780



B17_10M_QPSK_50@0_CH_23780



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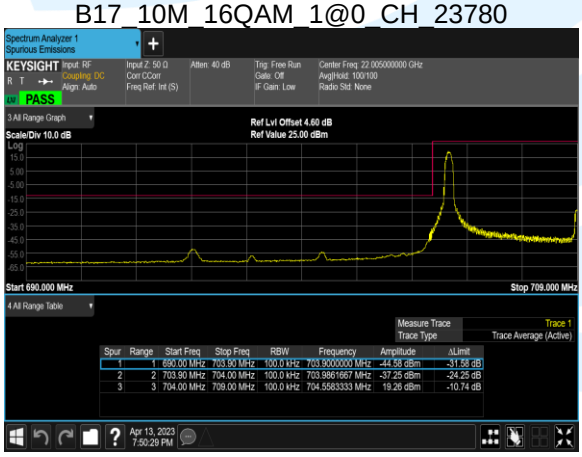

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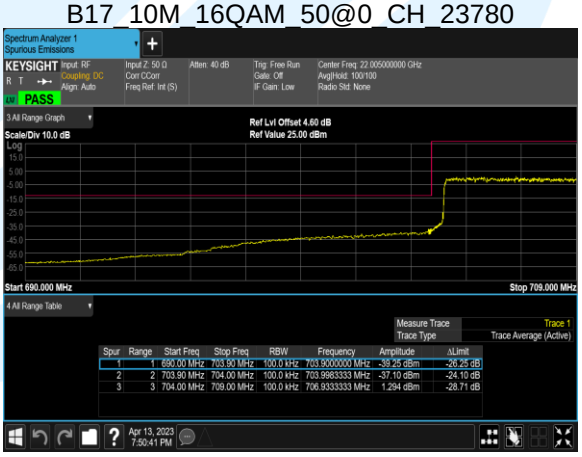

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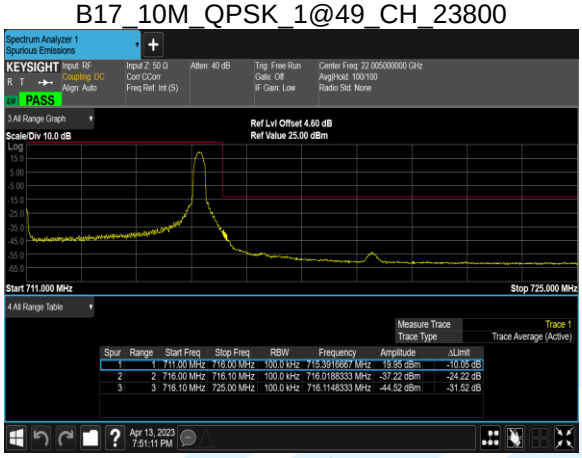

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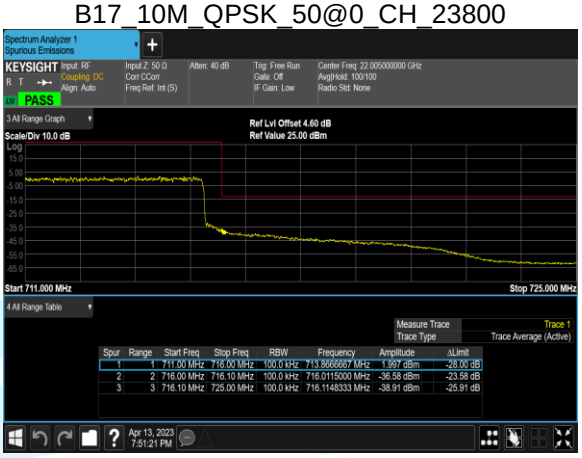

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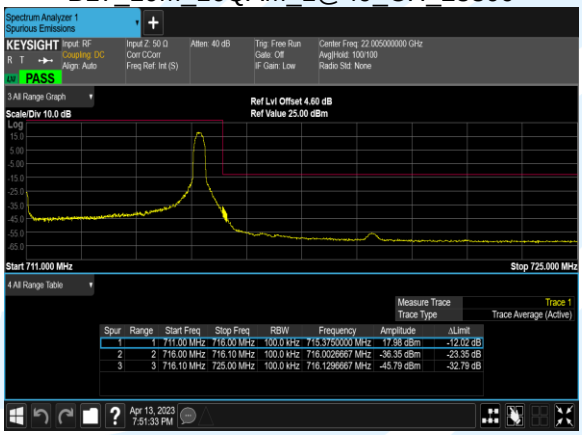

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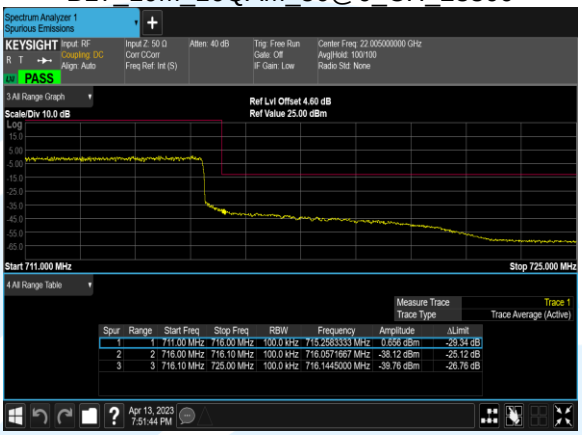

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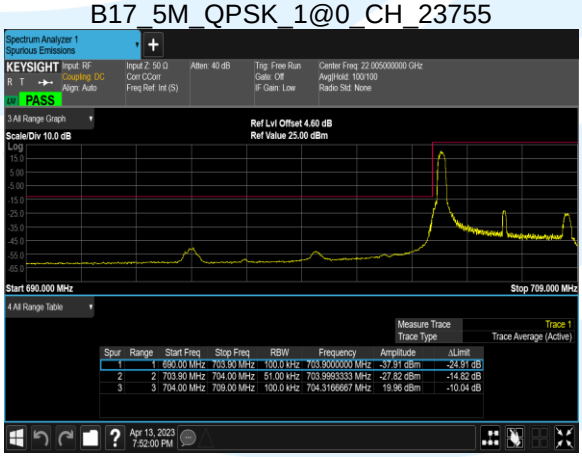

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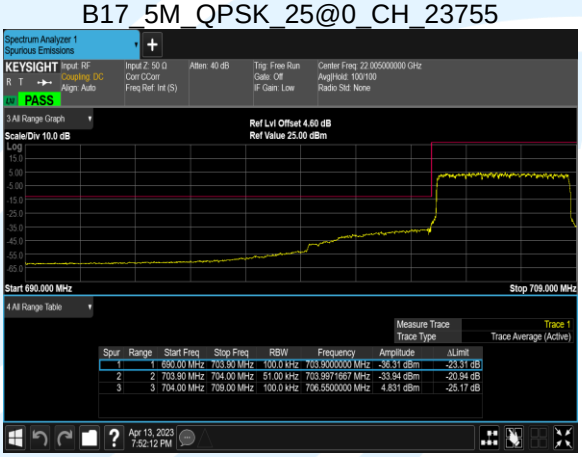

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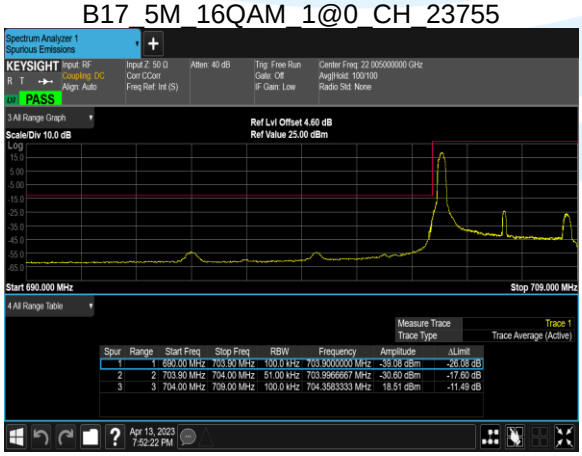

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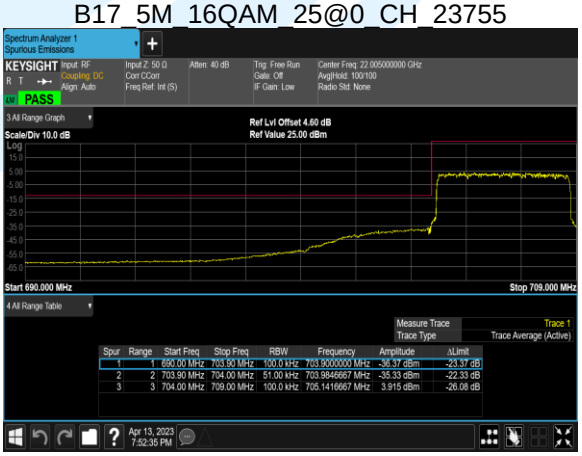

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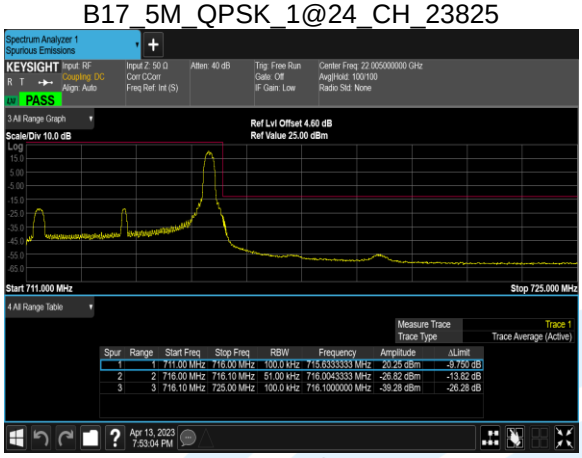

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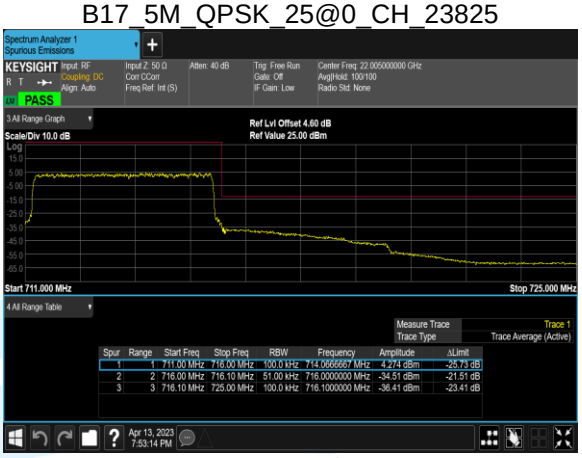

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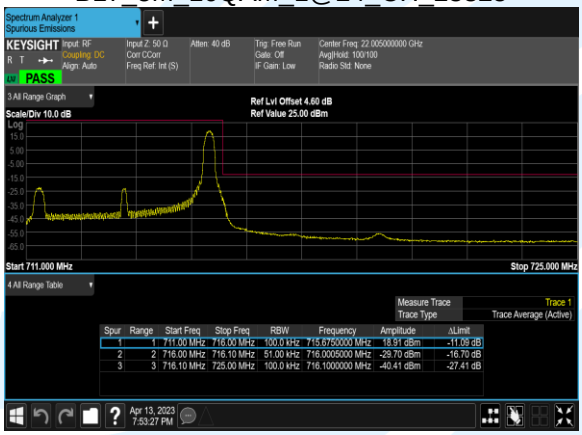

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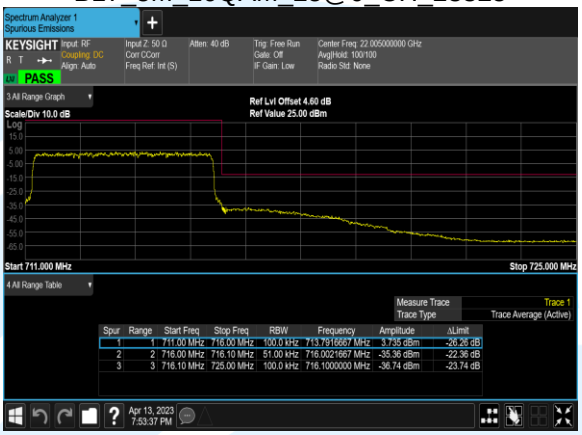

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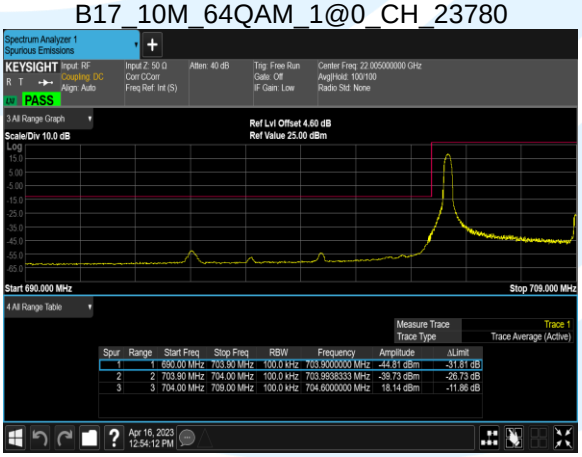

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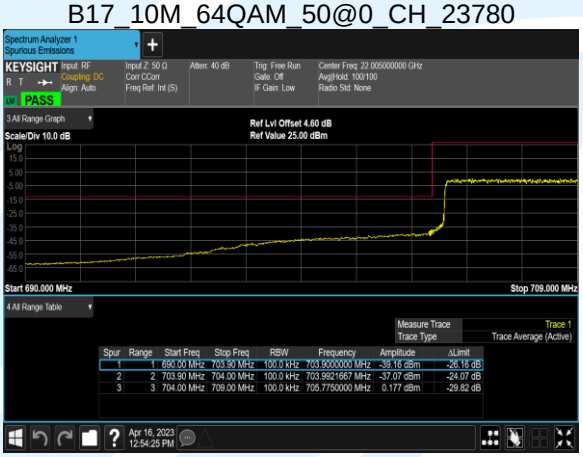

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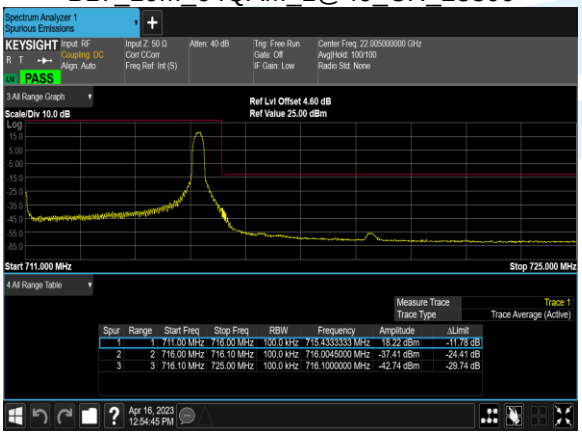

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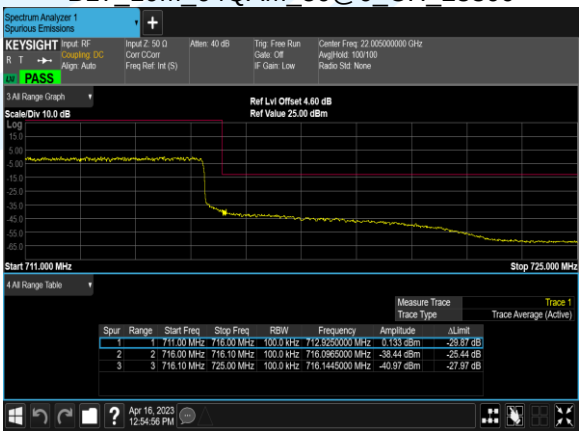

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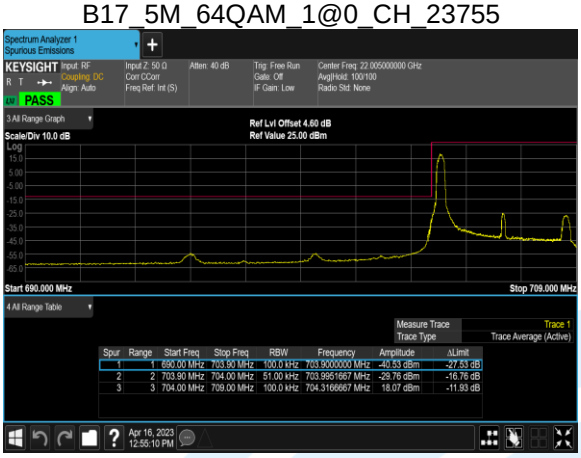

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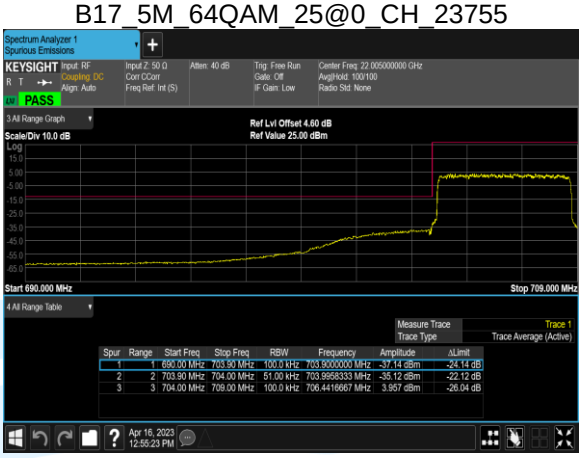

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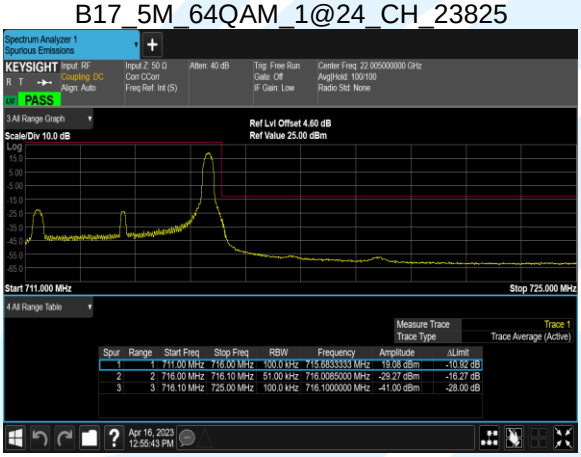

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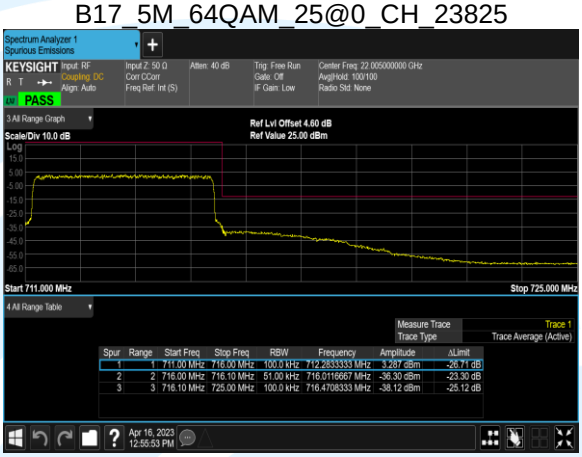


A.7 LTE BAND 38

Peak to Average Ratio

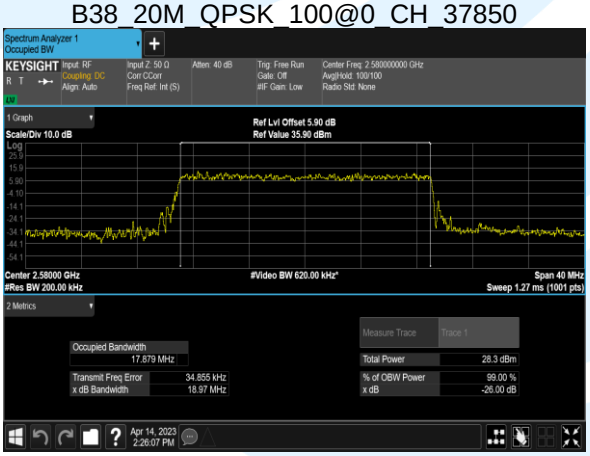
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
38	20.0	37850	2580.0	QPSK	100@0	6.59	13	PASS
38	20.0	37850	2580.0	16QAM	100@0	7.25	13	PASS
38	20.0	38000	2595.0	QPSK	100@0	6.74	13	PASS
38	20.0	38000	2595.0	16QAM	100@0	7.32	13	PASS
38	20.0	38150	2610.0	QPSK	100@0	6.64	13	PASS
38	20.0	38150	2610.0	16QAM	100@0	7.69	13	PASS
38	15.0	37825	2577.5	QPSK	75@0	6.60	13	PASS
38	15.0	37825	2577.5	16QAM	75@0	7.58	13	PASS
38	15.0	38000	2595.0	QPSK	75@0	6.50	13	PASS
38	15.0	38000	2595.0	16QAM	75@0	7.18	13	PASS
38	15.0	38175	2612.5	QPSK	75@0	6.79	13	PASS
38	15.0	38175	2612.5	16QAM	75@0	7.47	13	PASS
38	10.0	37800	2575.0	QPSK	50@0	6.71	13	PASS
38	10.0	37800	2575.0	16QAM	50@0	7.10	13	PASS
38	10.0	38000	2595.0	QPSK	50@0	6.56	13	PASS
38	10.0	38000	2595.0	16QAM	50@0	7.11	13	PASS
38	10.0	38200	2615.0	QPSK	50@0	6.53	13	PASS
38	10.0	38200	2615.0	16QAM	50@0	7.46	13	PASS
38	5.0	37775	2572.5	QPSK	25@0	6.03	13	PASS
38	5.0	37775	2572.5	16QAM	25@0	7.00	13	PASS
38	5.0	38000	2595.0	QPSK	25@0	6.06	13	PASS
38	5.0	38000	2595.0	16QAM	25@0	6.81	13	PASS
38	5.0	38225	2617.5	QPSK	25@0	6.06	13	PASS
38	5.0	38225	2617.5	16QAM	25@0	6.77	13	PASS
38	20.0	37850	2580.0	64QAM	100@0	7.34	13	PASS
38	20.0	38000	2595.0	64QAM	100@0	7.12	13	PASS
38	20.0	38150	2610.0	64QAM	100@0	7.65	13	PASS
38	15.0	37825	2577.5	64QAM	75@0	7.52	13	PASS
38	15.0	38000	2595.0	64QAM	75@0	7.14	13	PASS
38	15.0	38175	2612.5	64QAM	75@0	7.32	13	PASS
38	10.0	37800	2575.0	64QAM	50@0	6.99	13	PASS
38	10.0	38000	2595.0	64QAM	50@0	6.82	13	PASS
38	10.0	38200	2615.0	64QAM	50@0	7.44	13	PASS
38	5.0	37775	2572.5	64QAM	25@0	6.61	13	PASS
38	5.0	38000	2595.0	64QAM	25@0	6.53	13	PASS
38	5.0	38225	2617.5	64QAM	25@0	6.74	13	PASS

Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
38	20.0	37850	2580.0	QPSK	100@0	17.879	18.97
38	20.0	37850	2580.0	16QAM	100@0	17.921	18.83
38	20.0	38000	2595.0	QPSK	100@0	17.834	19.04
38	20.0	38000	2595.0	16QAM	100@0	17.873	18.62
38	20.0	38150	2610.0	QPSK	100@0	17.882	19.18
38	20.0	38150	2610.0	16QAM	100@0	17.867	19.10
38	15.0	37825	2577.5	QPSK	75@0	13.426	14.48
38	15.0	37825	2577.5	16QAM	75@0	13.449	14.40
38	15.0	38000	2595.0	QPSK	75@0	13.410	14.21
38	15.0	38000	2595.0	16QAM	75@0	13.424	14.70
38	15.0	38175	2612.5	QPSK	75@0	13.416	14.57
38	15.0	38175	2612.5	16QAM	75@0	13.387	14.52
38	10.0	37800	2575.0	QPSK	50@0	8.9204	9.488
38	10.0	37800	2575.0	16QAM	50@0	8.9482	9.467
38	10.0	38000	2595.0	QPSK	50@0	8.9181	9.898
38	10.0	38000	2595.0	16QAM	50@0	8.9227	9.638
38	10.0	38200	2615.0	QPSK	50@0	8.9538	9.634
38	10.0	38200	2615.0	16QAM	50@0	8.9377	9.541
38	5.0	37775	2572.5	QPSK	25@0	4.4561	4.894
38	5.0	37775	2572.5	16QAM	25@0	4.4444	4.859
38	5.0	38000	2595.0	QPSK	25@0	4.4646	4.818
38	5.0	38000	2595.0	16QAM	25@0	4.4515	4.865
38	5.0	38225	2617.5	QPSK	25@0	4.4641	4.776
38	5.0	38225	2617.5	16QAM	25@0	4.4437	4.819
38	20.0	37850	2580.0	64QAM	100@0	17.903	18.99
38	20.0	38000	2595.0	64QAM	100@0	17.859	18.91
38	20.0	38150	2610.0	64QAM	100@0	17.901	19.11
38	15.0	37825	2577.5	64QAM	75@0	13.383	14.33
38	15.0	38000	2595.0	64QAM	75@0	13.358	14.59
38	15.0	38175	2612.5	64QAM	75@0	13.332	14.45
38	10.0	37800	2575.0	64QAM	50@0	8.9309	9.516
38	10.0	38000	2595.0	64QAM	50@0	8.9143	9.604
38	10.0	38200	2615.0	64QAM	50@0	8.9351	9.579
38	5.0	37775	2572.5	64QAM	25@0	4.4523	4.887
38	5.0	38000	2595.0	64QAM	25@0	4.4622	4.809
38	5.0	38225	2617.5	64QAM	25@0	4.4640	4.826

Test Graphs

B38_20M_QPSK_100@0_CH_37850



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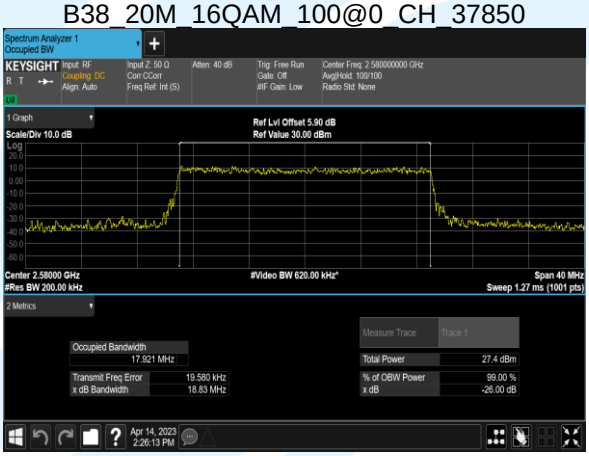

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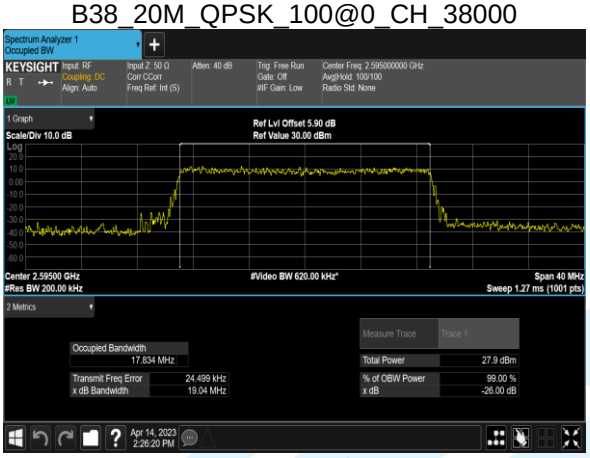

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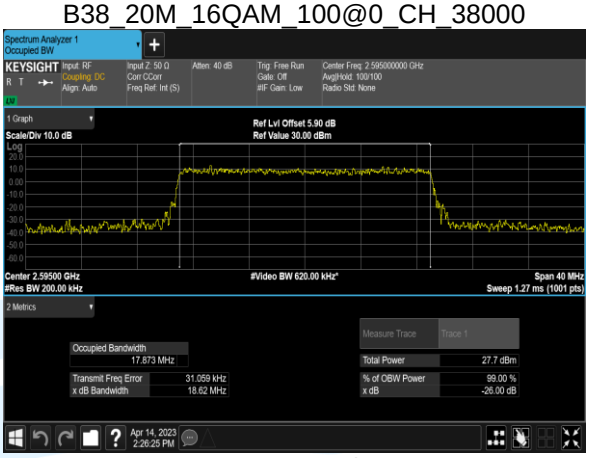

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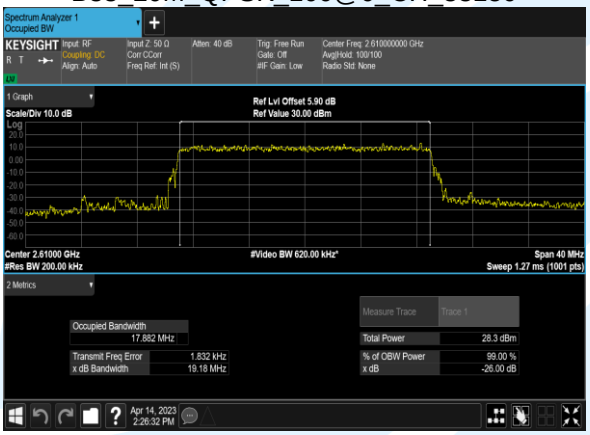

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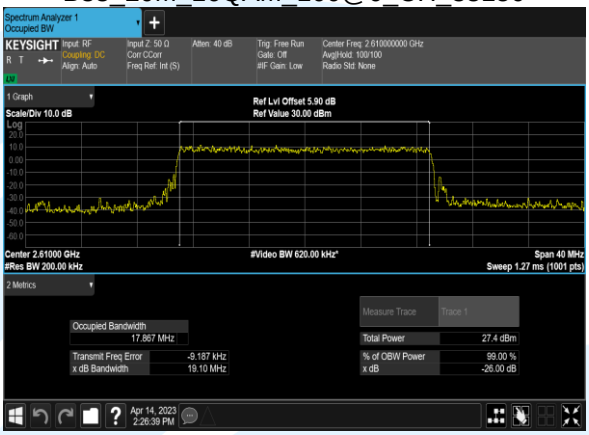

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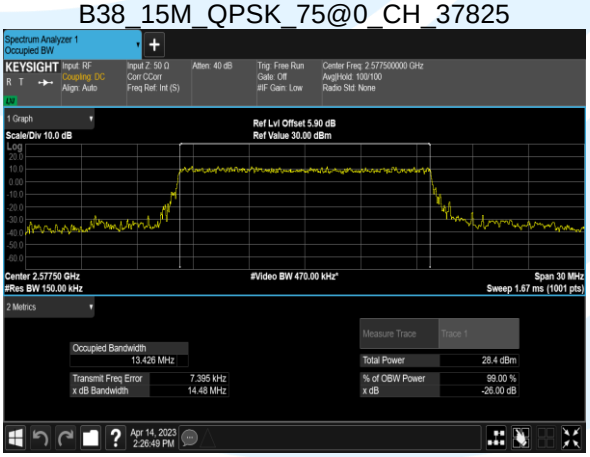

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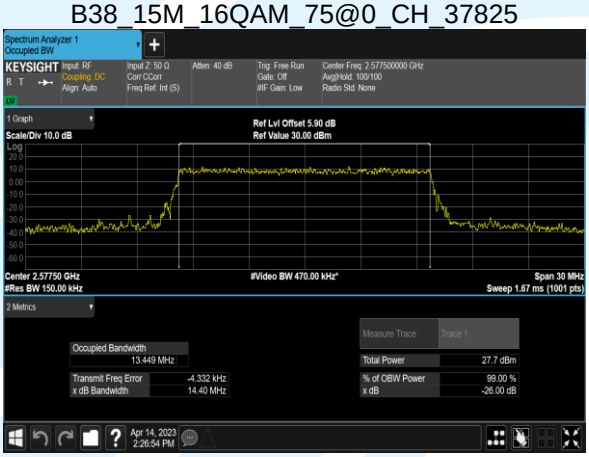

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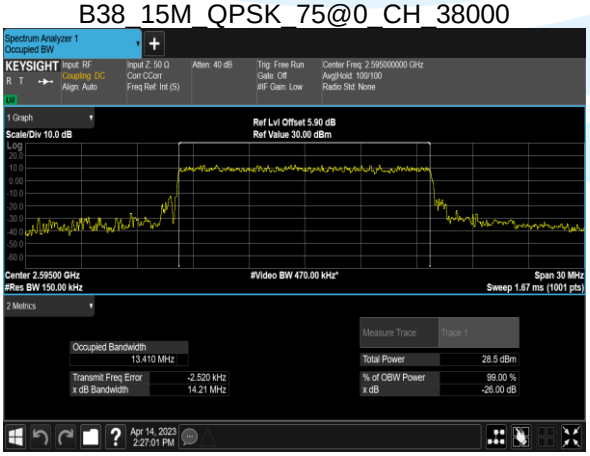

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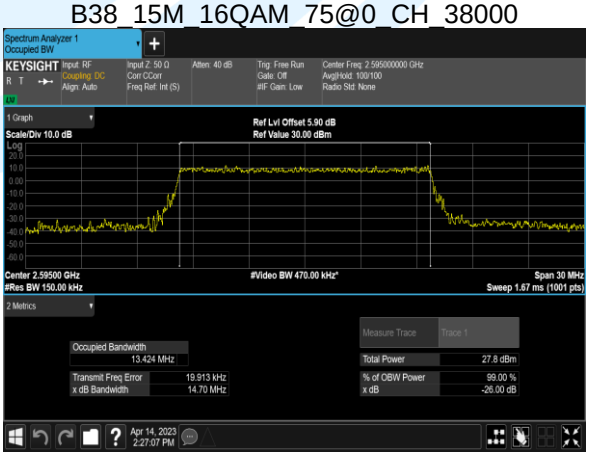

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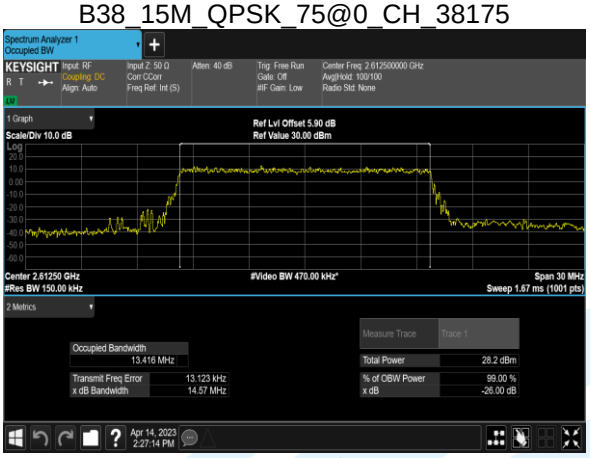

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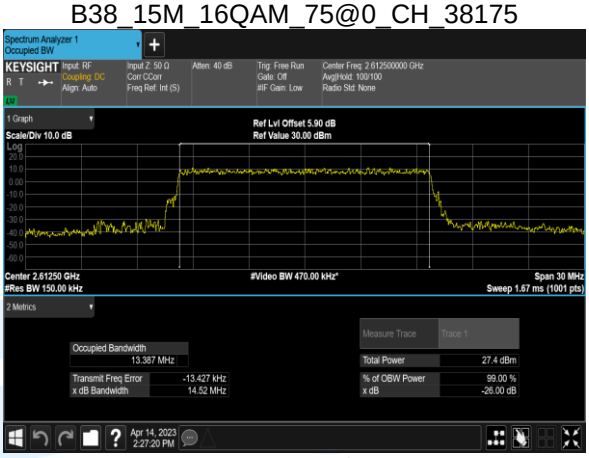

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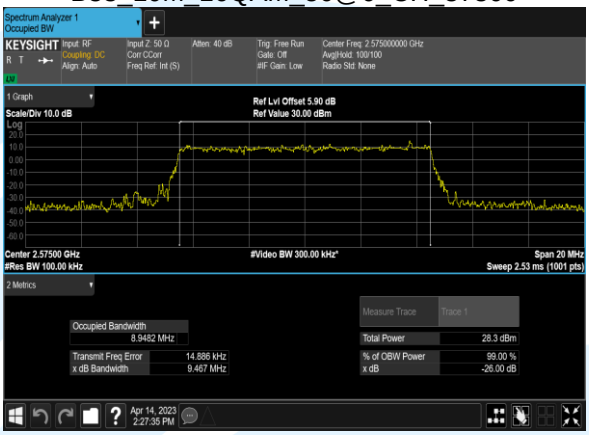

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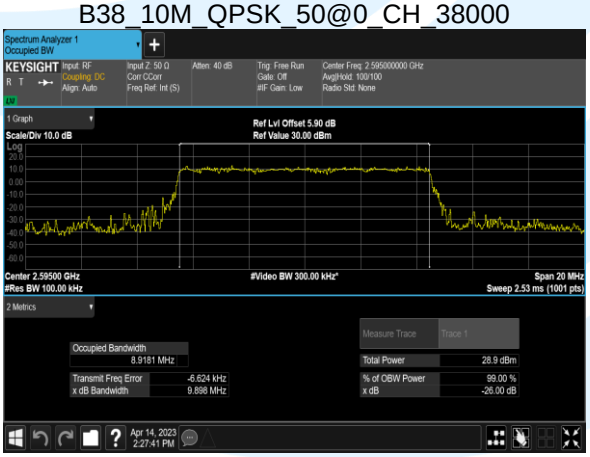

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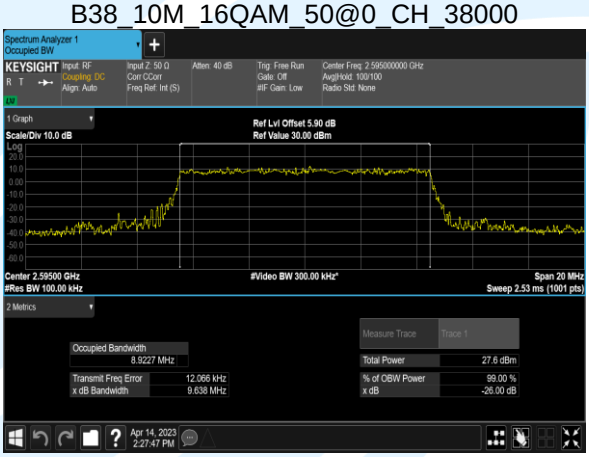

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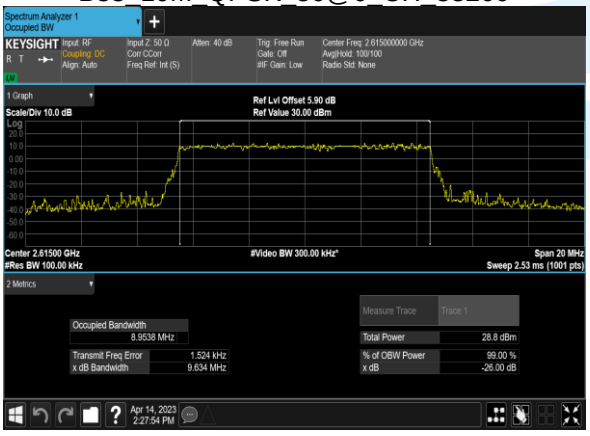
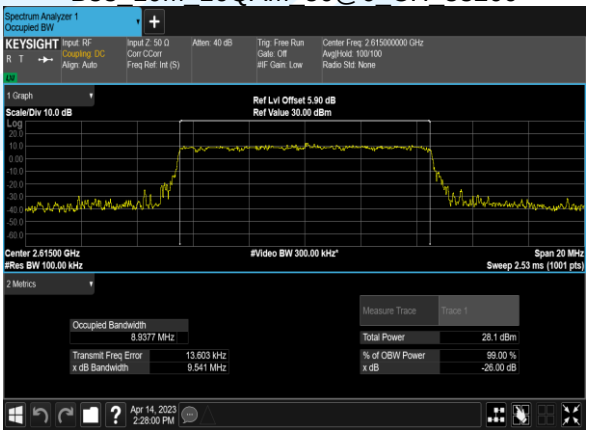
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