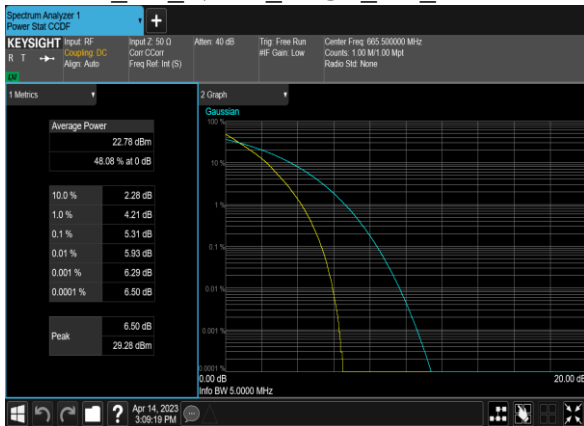


B71\_5M\_QPSK\_25@0\_CH\_133147



B71\_5M\_16QAM\_25@0\_CH\_133147



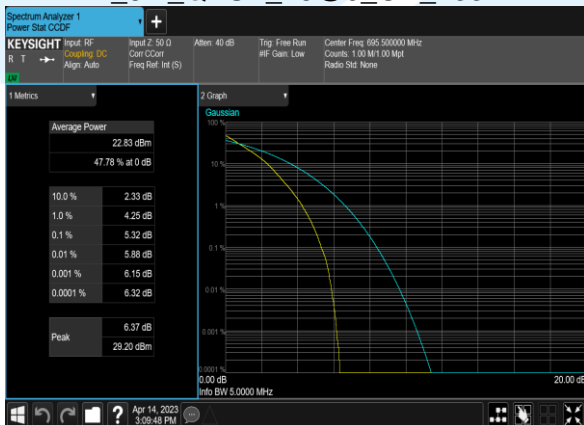
B71\_5M\_QPSK\_25@0\_CH\_133297



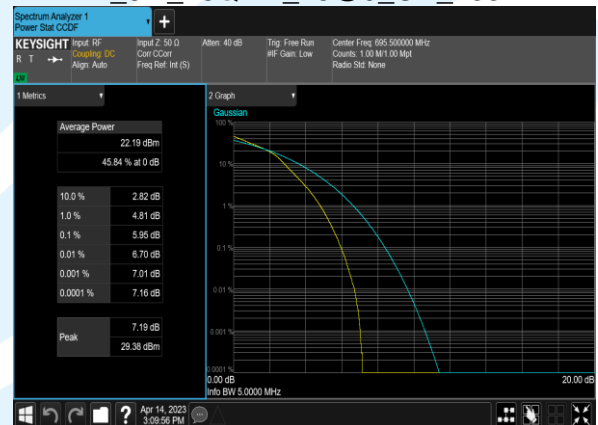
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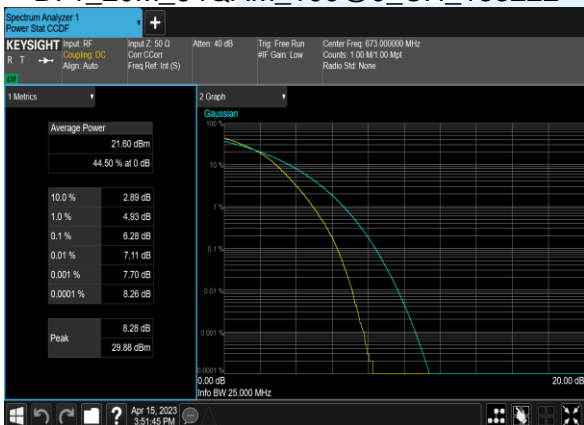
B71\_5M\_QPSK\_25@0\_CH\_133447



B71\_5M\_16QAM\_25@0\_CH\_133447



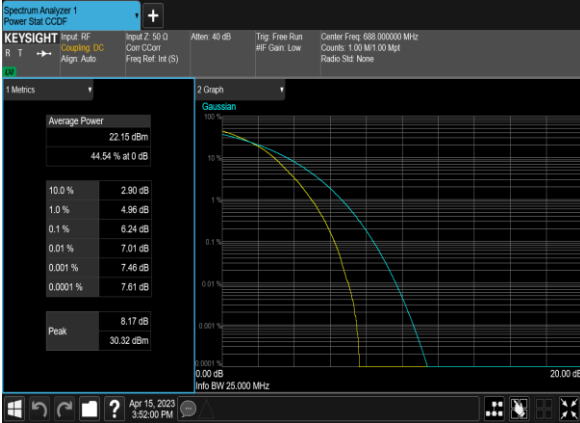
B71\_20M\_64QAM\_100@0\_CH\_133222



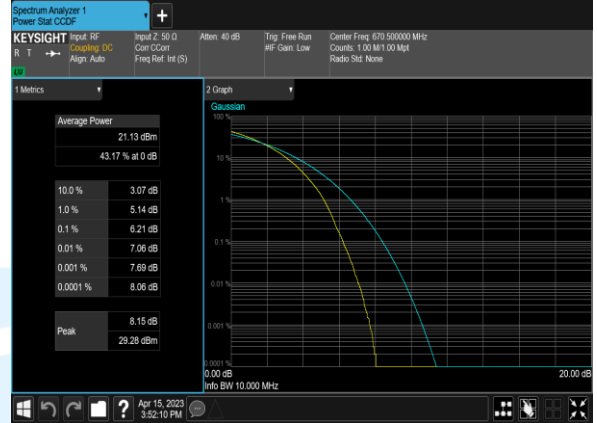
B71\_20M\_64QAM\_100@0\_CH\_133322



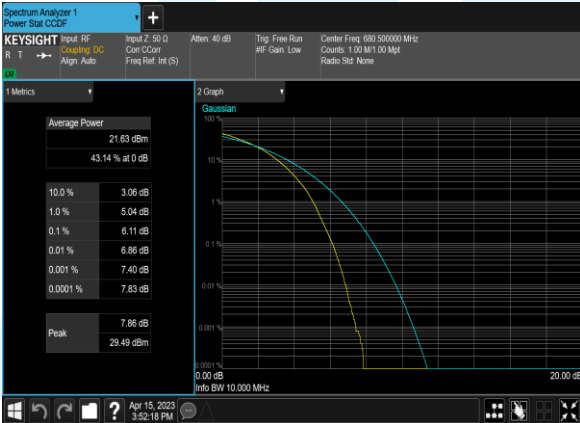
B71\_20M\_64QAM\_100@0\_CH\_133372



B71\_15M\_64QAM\_75@0\_CH\_133197



B71\_15M\_64QAM\_75@0\_CH\_133297



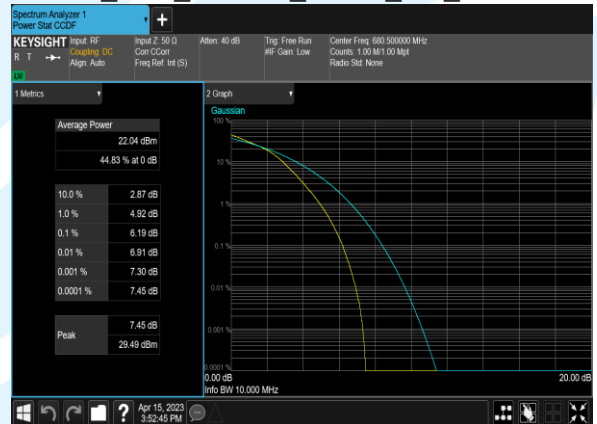
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B71\_10M\_64QAM\_50@0\_CH\_133172



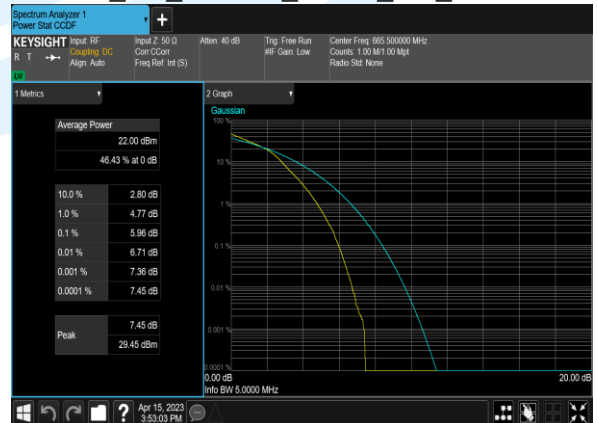
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B71\_10M\_64QAM\_50@0\_CH\_133422



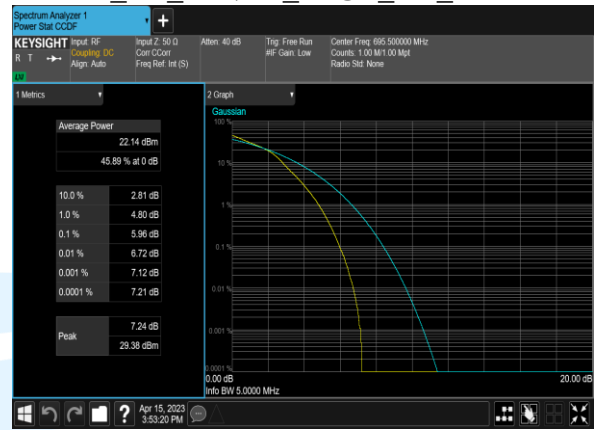
B71\_5M\_64QAM\_25@0\_CH\_133147



B71\_5M\_64QAM\_25@0\_CH\_133297



B71\_5M\_64QAM\_25@0\_CH\_133447



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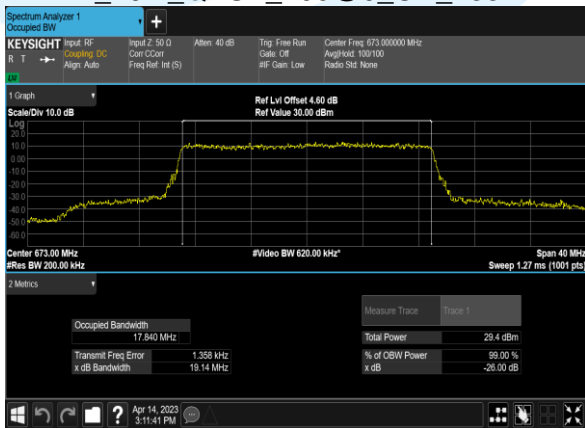
UTTR-RF-FCC4G-V1.1

## Occupied Bandwidth

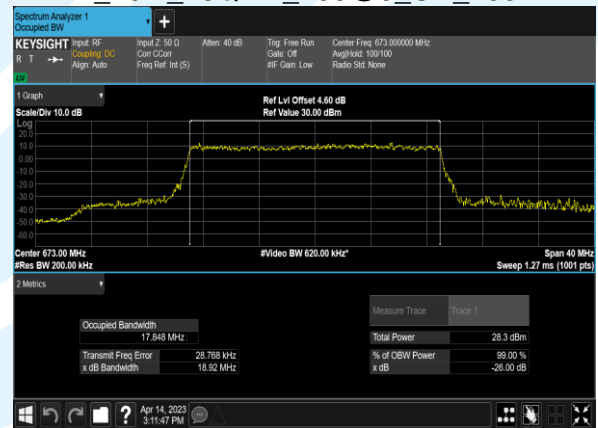
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	20.0	133222	673.0	QPSK	100@0	17.840	19.14
71	20.0	133222	673.0	16QAM	100@0	17.848	18.92
71	20.0	133322	683.0	QPSK	100@0	17.880	19.02
71	20.0	133322	683.0	16QAM	100@0	17.934	19.24
71	20.0	133372	688.0	QPSK	100@0	17.870	18.94
71	20.0	133372	688.0	16QAM	100@0	17.867	19.32
71	15.0	133197	670.5	QPSK	75@0	13.431	14.56
71	15.0	133197	670.5	16QAM	75@0	13.422	14.49
71	15.0	133297	680.5	QPSK	75@0	13.391	14.51
71	15.0	133297	680.5	16QAM	75@0	13.376	14.61
71	15.0	133397	690.5	QPSK	75@0	13.396	14.28
71	15.0	133397	690.5	16QAM	75@0	13.398	14.38
71	10.0	133172	668.0	QPSK	50@0	8.9658	9.664
71	10.0	133172	668.0	16QAM	50@0	8.9570	9.631
71	10.0	133297	680.5	QPSK	50@0	8.9295	9.609
71	10.0	133297	680.5	16QAM	50@0	8.9305	9.548
71	10.0	133422	693.0	QPSK	50@0	8.9390	9.598
71	10.0	133422	693.0	16QAM	50@0	8.9193	9.710
71	5.0	133147	665.5	QPSK	25@0	4.4466	4.845
71	5.0	133147	665.5	16QAM	25@0	4.4540	4.801
71	5.0	133297	680.5	QPSK	25@0	4.4608	4.850
71	5.0	133297	680.5	16QAM	25@0	4.4731	4.891
71	5.0	133447	695.5	QPSK	25@0	4.4476	4.842
71	5.0	133447	695.5	16QAM	25@0	4.4516	4.895
71	20.0	133222	673.0	64QAM	100@0	17.877	18.95
71	20.0	133322	683.0	64QAM	100@0	17.897	19.47
71	20.0	133372	688.0	64QAM	100@0	17.878	19.14
71	15.0	133197	670.5	64QAM	75@0	13.404	14.43
71	15.0	133297	680.5	64QAM	75@0	13.397	14.51
71	15.0	133397	690.5	64QAM	75@0	13.393	14.40
71	10.0	133172	668.0	64QAM	50@0	8.9371	9.698
71	10.0	133297	680.5	64QAM	50@0	8.9340	9.684
71	10.0	133422	693.0	64QAM	50@0	8.9177	9.617
71	5.0	133147	665.5	64QAM	25@0	4.4545	4.785
71	5.0	133297	680.5	64QAM	25@0	4.4620	4.877
71	5.0	133447	695.5	64QAM	25@0	4.4569	4.862

## Test Graphs

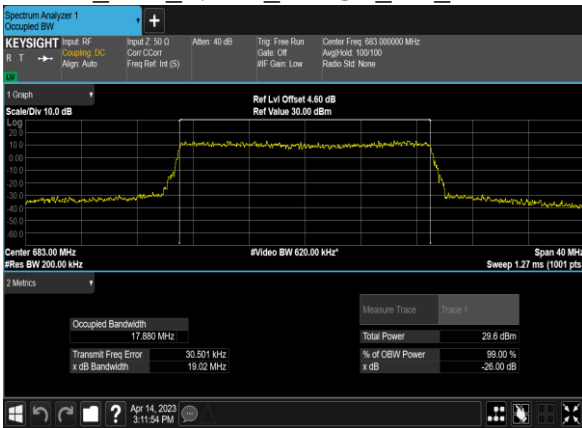
B71\_20M\_QPSK\_100@0\_CH\_133222



B71\_20M\_16QAM\_100@0\_CH\_133222



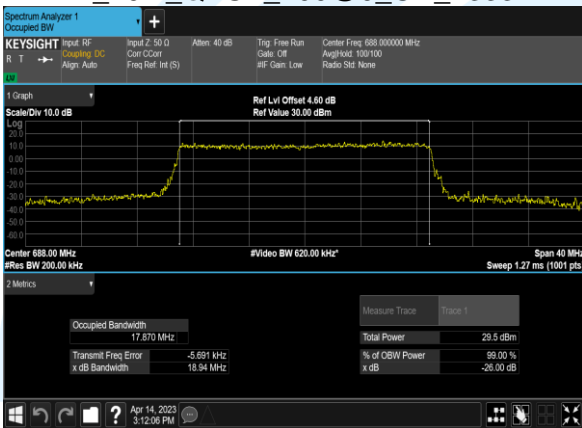
B71\_20M\_QPSK\_100@0\_CH\_133322



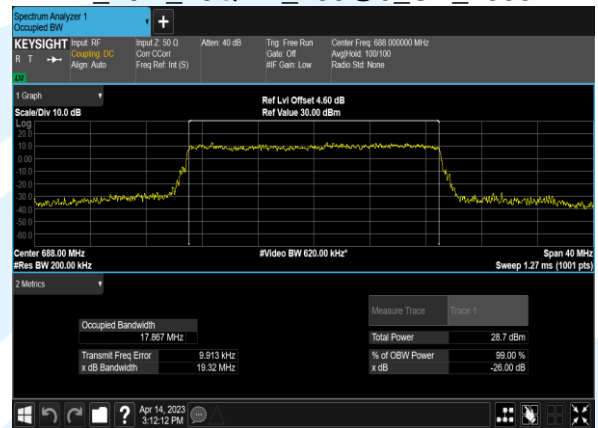
B71\_20M\_16QAM\_100@0\_CH\_133322



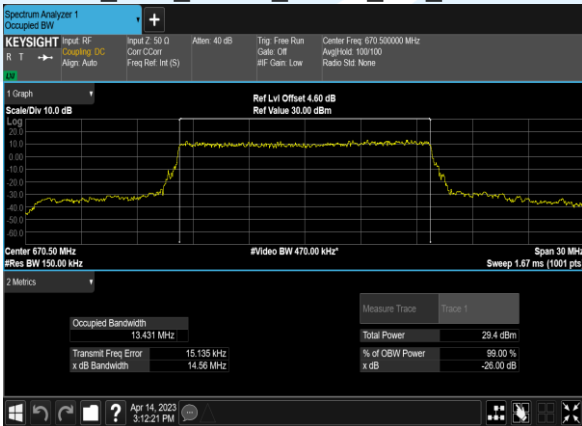
B71\_20M\_QPSK\_100@0\_CH\_133372



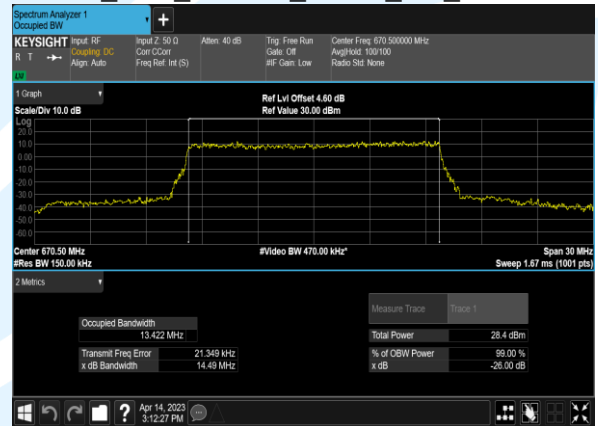
B71\_20M\_16QAM\_100@0\_CH\_133372



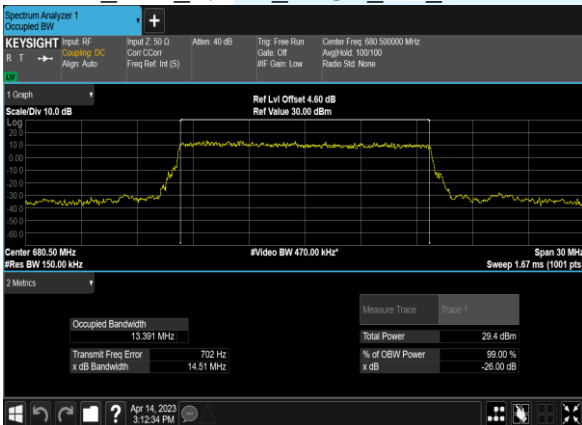
B71\_15M\_QPSK\_75@0\_CH\_133197



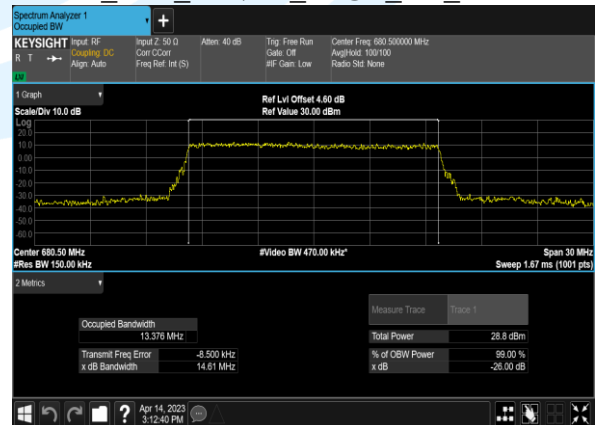
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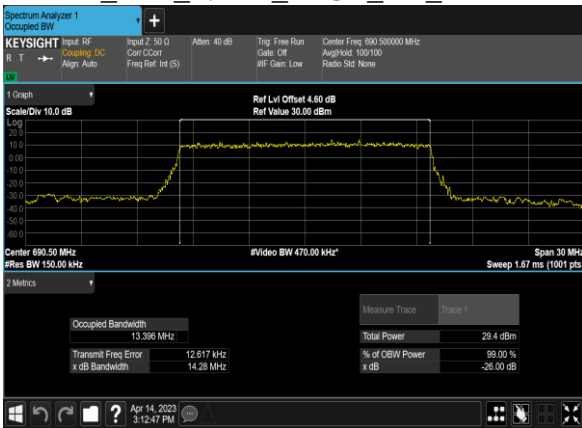
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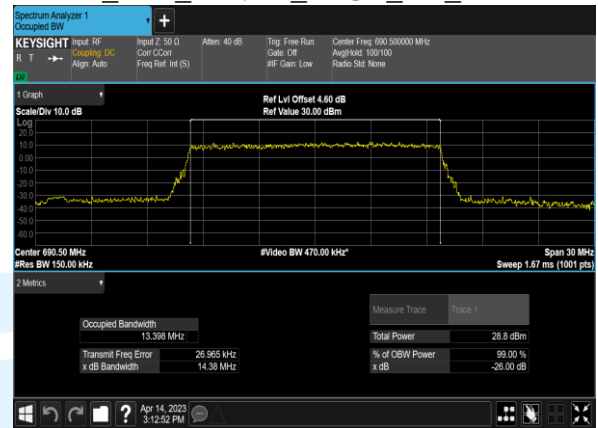
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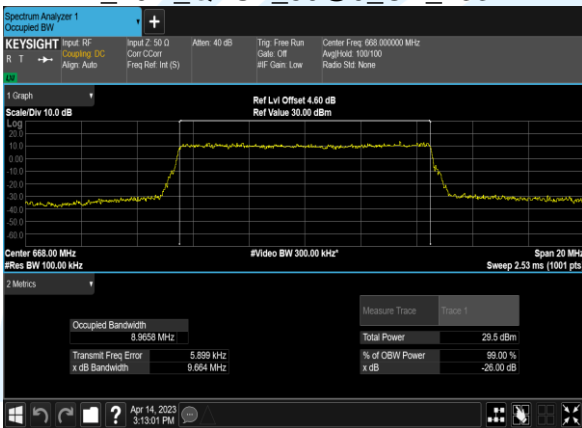
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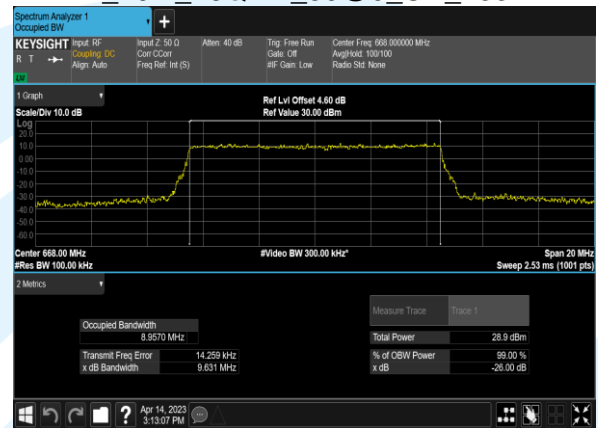
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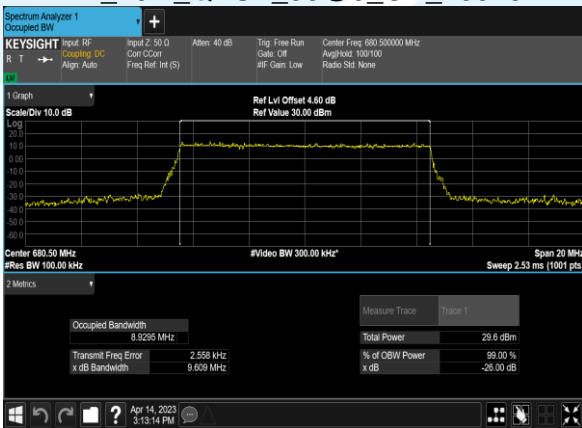
B71\_10M\_QPSK\_50@0\_CH\_133172



B71\_10M\_16QAM\_50@0\_CH\_133172



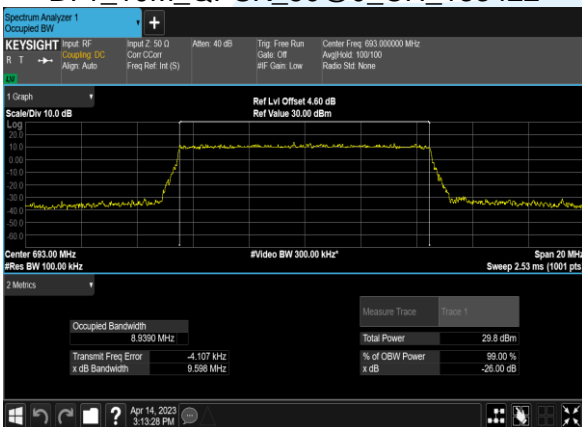
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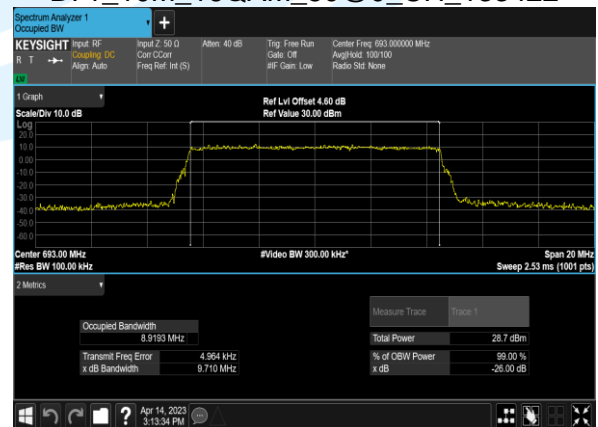
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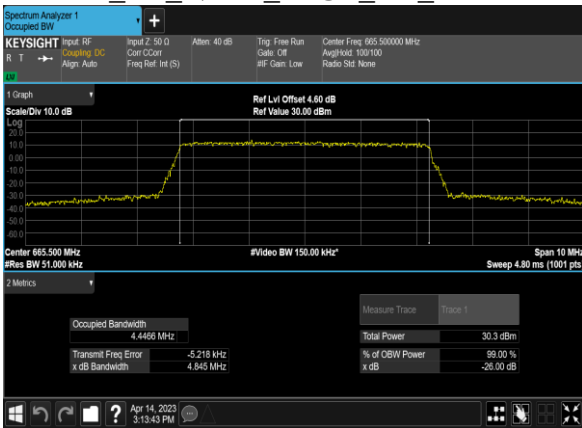
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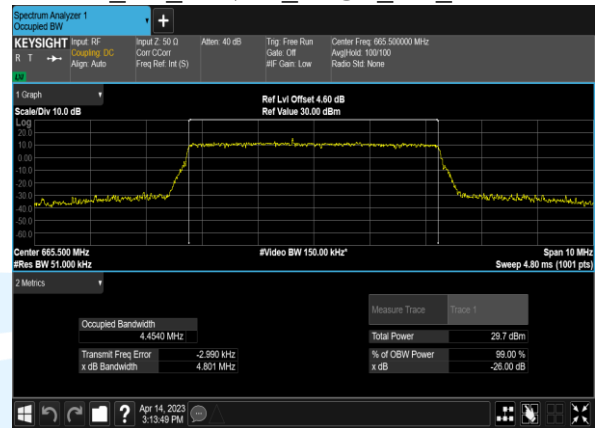
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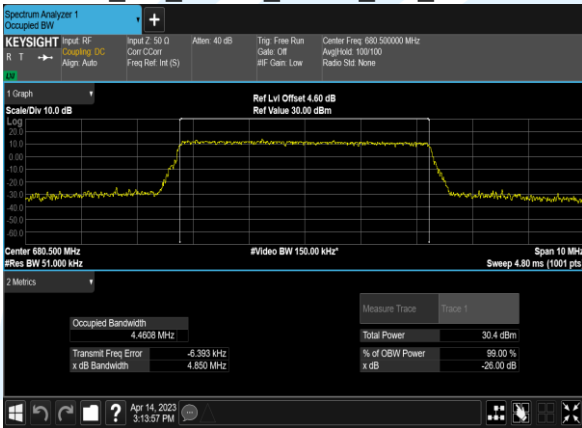
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B71\_5M\_16QAM\_25@0\_CH\_133147



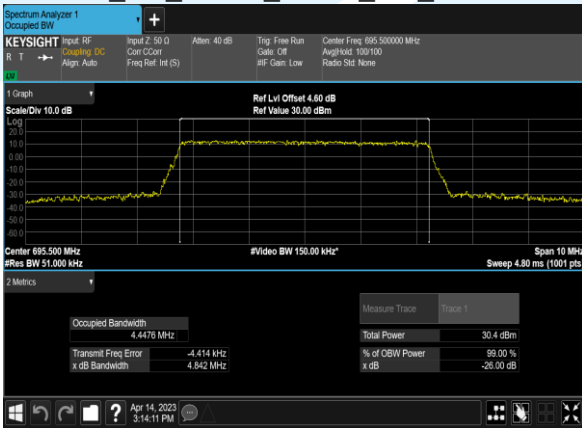
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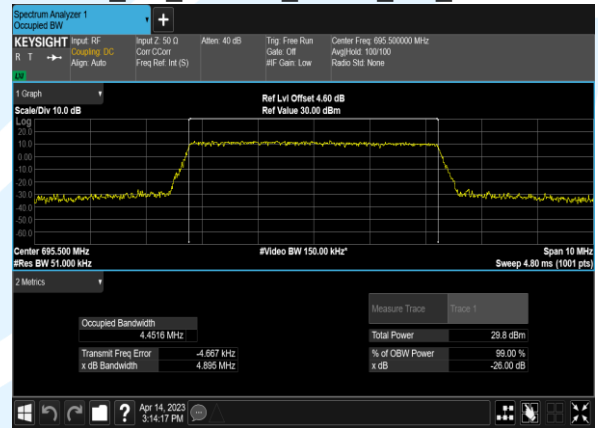
B71\_5M\_16QAM\_25@0\_CH\_133297



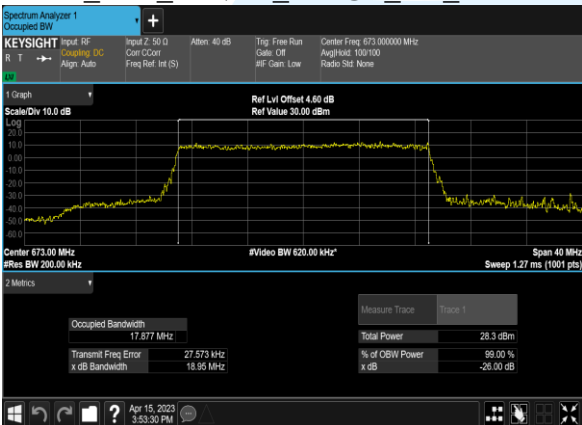
B71\_5M\_QPSK\_25@0\_CH\_133447



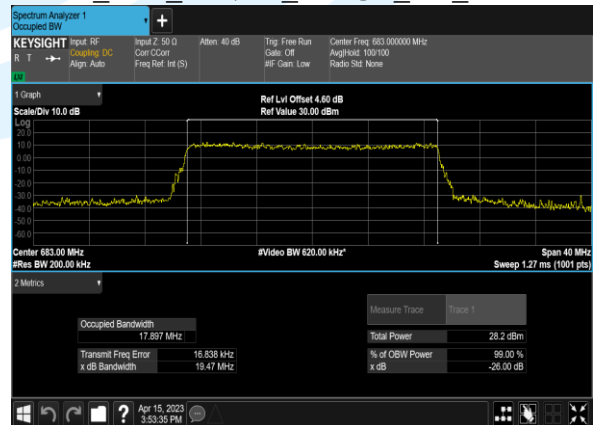
B71\_5M\_16QAM\_25@0\_CH\_133447



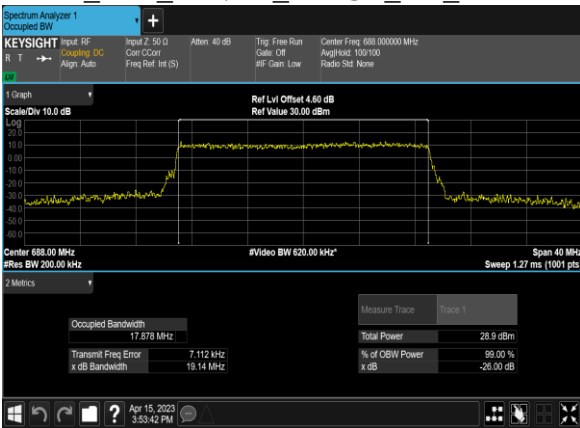
B71\_20M\_64QAM\_100@0\_CH\_133222



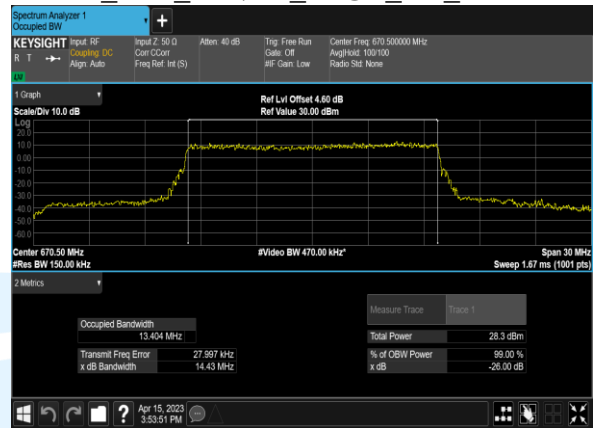
B71\_20M\_64QAM\_100@0\_CH\_133322



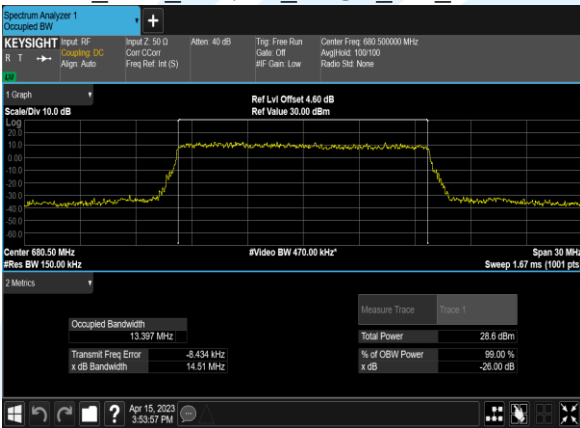
B71\_20M\_64QAM\_100@0\_CH\_133372



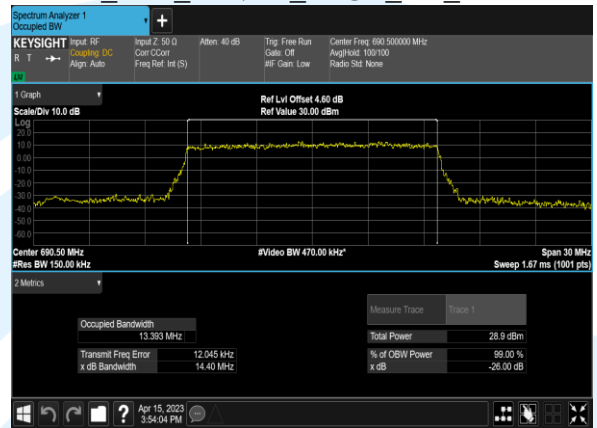
B71\_15M\_64QAM\_75@0\_CH\_133197



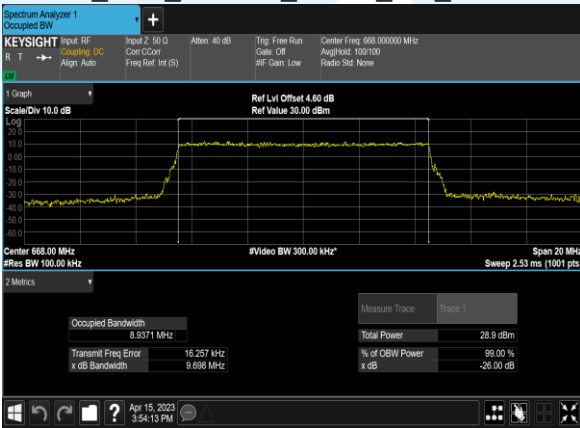
B71\_15M\_64QAM\_75@0\_CH\_133297



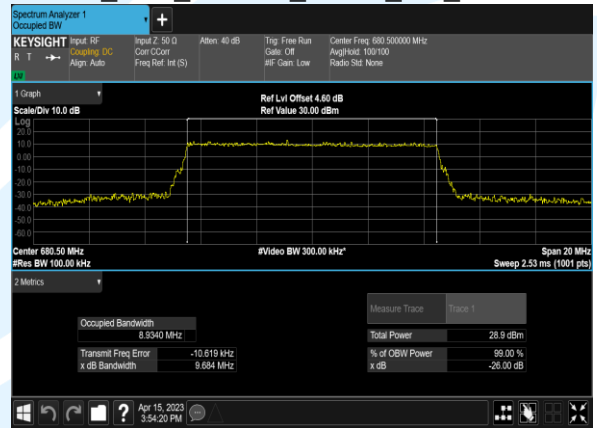
B71\_15M\_64QAM\_75@0\_CH\_133397



B71\_10M\_64QAM\_50@0\_CH\_133172



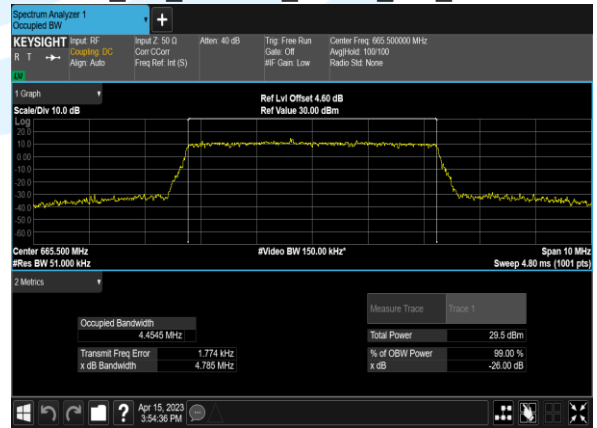
B71\_10M\_64QAM\_50@0\_CH\_133297



B71\_10M\_64QAM\_50@0\_CH\_133422



B71\_5M\_64QAM\_25@0\_CH\_133147



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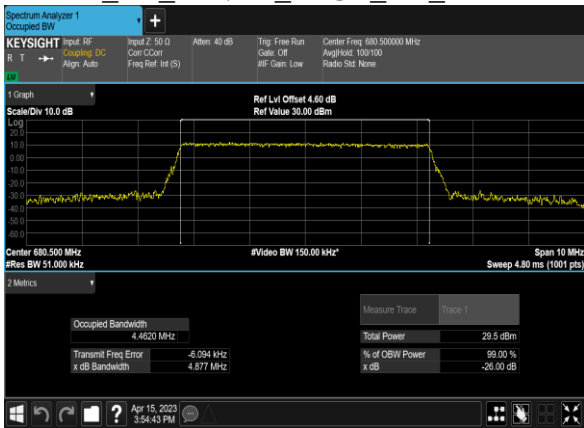
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B71\_5M\_64QAM\_25@0\_CH\_133297



B71\_5M\_64QAM\_25@0\_CH\_133447



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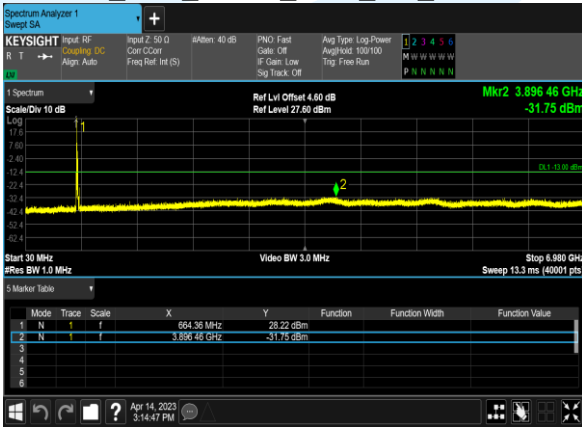
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## Conducted Spurious Emissions

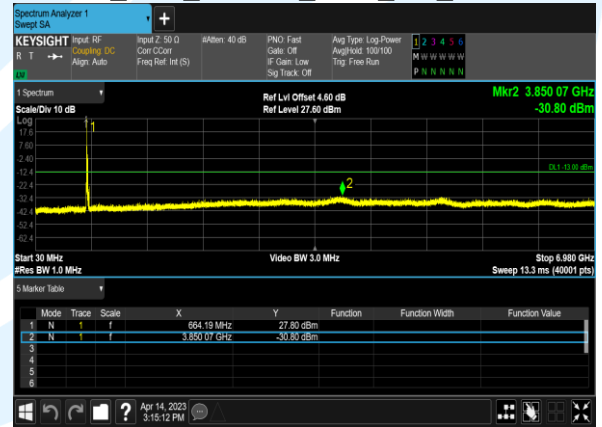
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
71	20.0	133222	673.0	QPSK	1@0	-31.75	-13	PASS
71	20.0	133222	673.0	16QAM	1@0	-30.8	-13	PASS
71	20.0	133322	683.0	QPSK	1@0	-27.46	-13	PASS
71	20.0	133322	683.0	16QAM	1@0	-31.11	-13	PASS
71	20.0	133372	688.0	QPSK	1@0	-30.47	-13	PASS
71	20.0	133372	688.0	16QAM	1@0	-30.64	-13	PASS
71	15.0	133197	670.5	QPSK	1@0	-31.2	-13	PASS
71	15.0	133197	670.5	16QAM	1@0	-30.24	-13	PASS
71	15.0	133297	680.5	QPSK	1@0	-30.25	-13	PASS
71	15.0	133297	680.5	16QAM	1@0	-30.8	-13	PASS
71	15.0	133397	690.5	QPSK	1@0	-21.05	-13	PASS
71	15.0	133397	690.5	16QAM	1@0	-20.36	-13	PASS
71	10.0	133172	668.0	QPSK	1@0	-30.67	-13	PASS
71	10.0	133172	668.0	16QAM	1@0	-31.45	-13	PASS
71	10.0	133297	680.5	QPSK	1@0	-31.19	-13	PASS
71	10.0	133297	680.5	16QAM	1@0	-31.27	-13	PASS
71	10.0	133422	693.0	QPSK	1@0	-30.85	-13	PASS
71	10.0	133422	693.0	16QAM	1@0	-30.03	-13	PASS
71	5.0	133147	665.5	QPSK	1@0	-31.04	-13	PASS
71	5.0	133147	665.5	16QAM	1@0	-30.62	-13	PASS
71	5.0	133297	680.5	QPSK	1@0	-31.46	-13	PASS
71	5.0	133297	680.5	16QAM	1@0	-30.88	-13	PASS
71	5.0	133447	695.5	QPSK	1@0	-30.63	-13	PASS
71	5.0	133447	695.5	16QAM	1@0	-30.08	-13	PASS
71	20.0	133222	673.0	64QAM	1@0	-31.64	-13	PASS
71	20.0	133322	683.0	64QAM	1@0	-30.17	-13	PASS
71	20.0	133372	688.0	64QAM	1@0	-31.06	-13	PASS
71	15.0	133197	670.5	64QAM	1@0	-31.19	-13	PASS
71	15.0	133297	680.5	64QAM	1@0	-30.96	-13	PASS
71	15.0	133397	690.5	64QAM	1@0	-22.31	-13	PASS
71	10.0	133172	668.0	64QAM	1@0	-31.05	-13	PASS
71	10.0	133297	680.5	64QAM	1@0	-30.57	-13	PASS
71	10.0	133422	693.0	64QAM	1@0	-30.57	-13	PASS
71	5.0	133147	665.5	64QAM	1@0	-31.45	-13	PASS
71	5.0	133297	680.5	64QAM	1@0	-31.44	-13	PASS
71	5.0	133447	695.5	64QAM	1@0	-30.61	-13	PASS

## Test Graphs

B71\_20M\_QPSK\_1@0\_CH\_133222



B71\_20M\_16QAM\_1@0\_CH\_133222



B71\_20M\_QPSK\_1@0\_CH\_133322



B71\_20M\_16QAM\_1@0\_CH\_133322



B71\_20M\_QPSK\_1@0\_CH\_133372



B71\_20M\_16QAM\_1@0\_CH\_133372



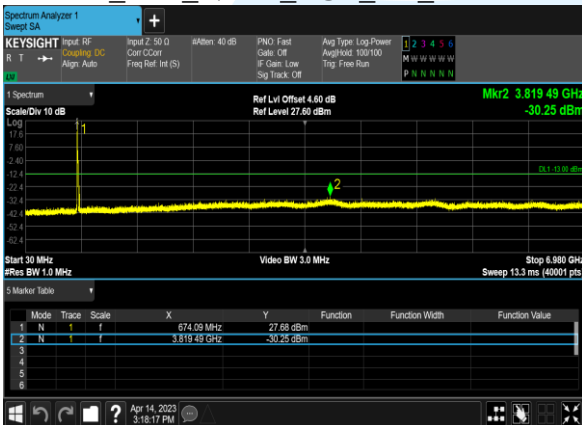
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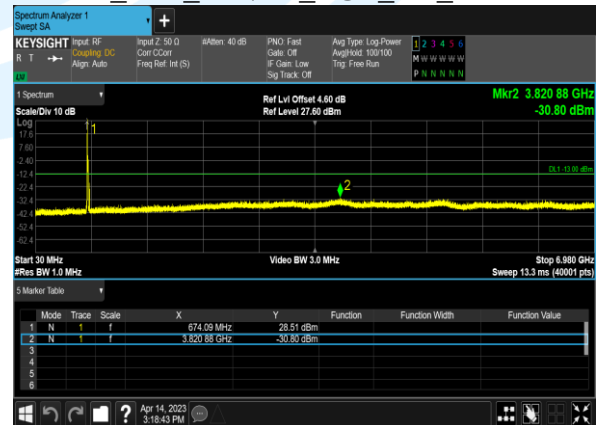
B71\_15M\_16QAM\_1@0\_CH\_133197



B71\_15M\_QPSK\_1@0\_CH\_133297



B71\_15M\_16QAM\_1@0\_CH\_133297



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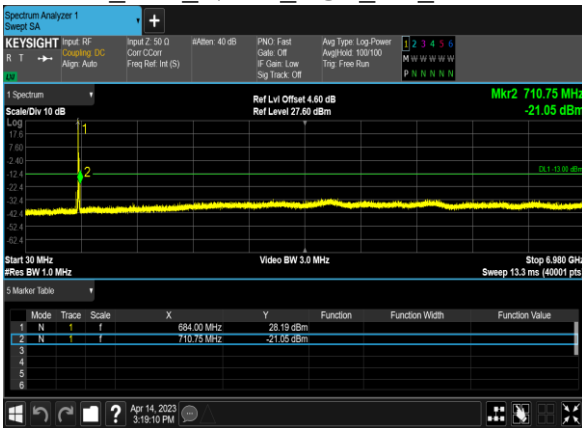
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B71\_15M\_QPSK\_1@0\_CH\_133397



B71\_15M\_16QAM\_1@0\_CH\_133397



B71\_10M\_QPSK\_1@0\_CH\_133172



B71\_10M\_16QAM\_1@0\_CH\_133172



B71\_10M\_QPSK\_1@0\_CH\_133297



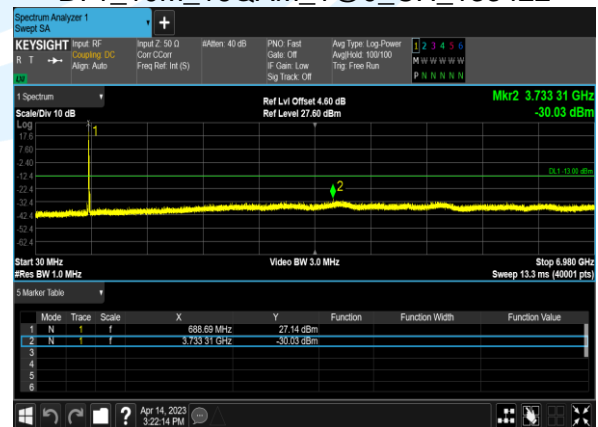
B71\_10M\_16QAM\_1@0\_CH\_133297



B71\_10M\_QPSK\_1@0\_CH\_133422



B71\_10M\_16QAM\_1@0\_CH\_133422



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B71\_5M\_QPSK\_1@0\_CH\_133147



B71\_5M\_16QAM\_1@0\_CH\_133147



B71\_5M\_QPSK\_1@0\_CH\_133297



B71\_5M\_16QAM\_1@0\_CH\_133297



B71\_5M\_QPSK\_1@0\_CH\_133447



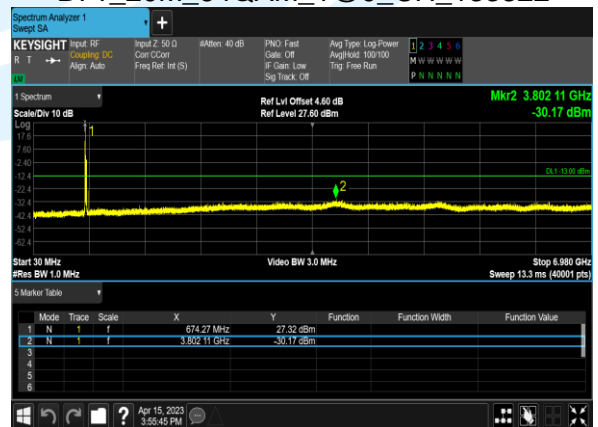
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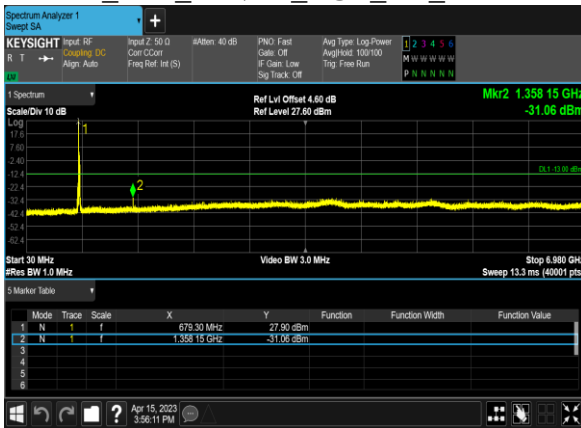
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B71\_20M\_64QAM\_1@0\_CH\_133322



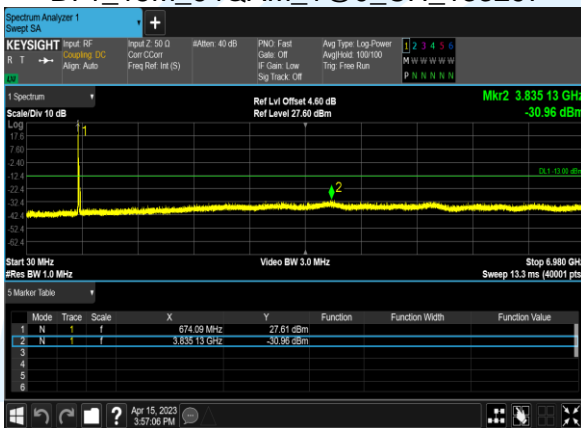
B71\_20M\_64QAM\_1@0\_CH\_133372



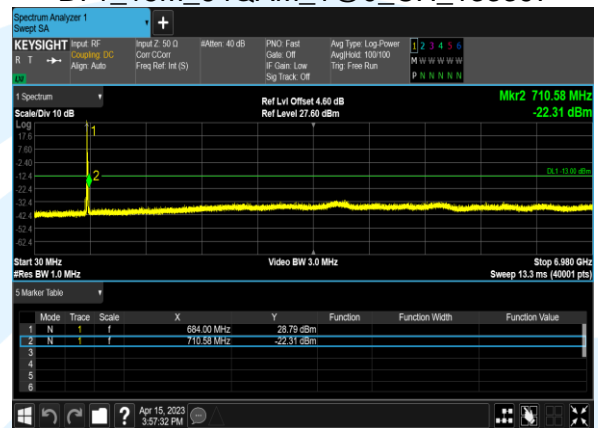
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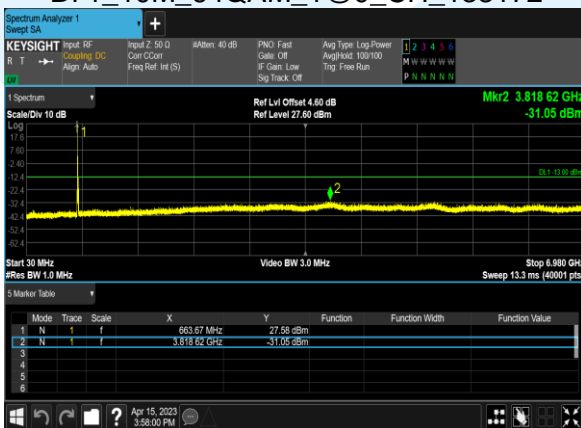
B71\_15M\_64QAM\_1@0\_CH\_133297



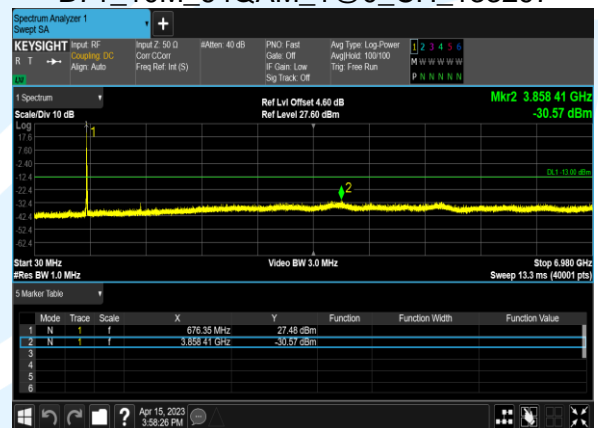
B71\_15M\_64QAM\_1@0\_CH\_133397



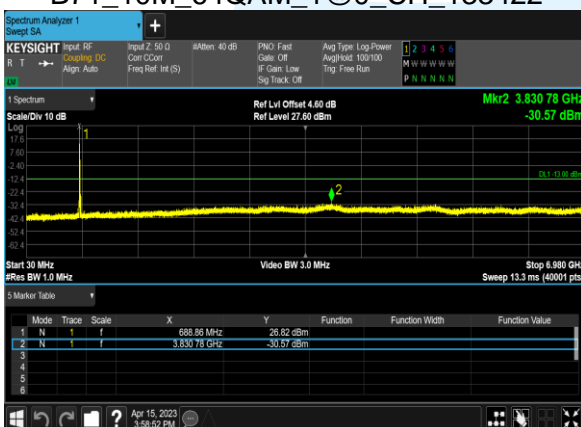
B71\_10M\_64QAM\_1@0\_CH\_133172



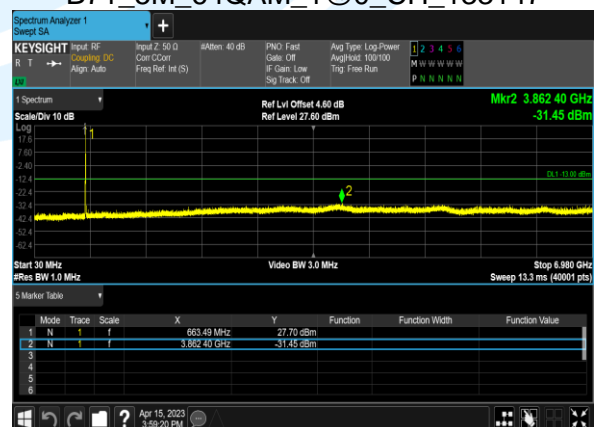
B71\_10M\_64QAM\_1@0\_CH\_133297



B71\_10M\_64QAM\_1@0\_CH\_133422



B71\_5M\_64QAM\_1@0\_CH\_133147



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B71\_5M\_64QAM\_1@0\_CH\_133447



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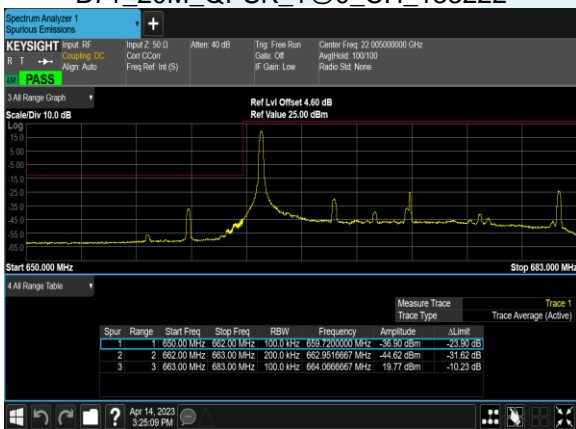
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**Conducted Band Edge**

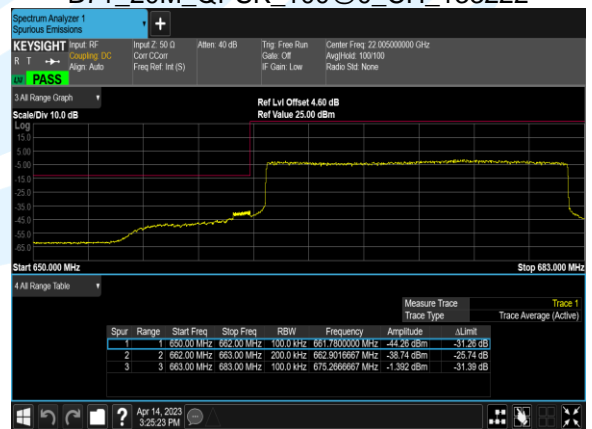
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
71	20.0	133222	673.0	QPSK	1@0	see graph	PASS
71	20.0	133222	673.0	QPSK	100@0	see graph	PASS
71	20.0	133222	673.0	16QAM	1@0	see graph	PASS
71	20.0	133222	673.0	16QAM	100@0	see graph	PASS
71	20.0	133372	688.0	QPSK	1@99	see graph	PASS
71	20.0	133372	688.0	QPSK	100@0	see graph	PASS
71	20.0	133372	688.0	16QAM	1@99	see graph	PASS
71	20.0	133372	688.0	16QAM	100@0	see graph	PASS
71	15.0	133197	670.5	QPSK	1@0	see graph	PASS
71	15.0	133197	670.5	QPSK	75@0	see graph	PASS
71	15.0	133197	670.5	16QAM	1@0	see graph	PASS
71	15.0	133197	670.5	16QAM	75@0	see graph	PASS
71	15.0	133397	690.5	QPSK	1@74	see graph	PASS
71	15.0	133397	690.5	QPSK	75@0	see graph	PASS
71	15.0	133397	690.5	16QAM	1@74	see graph	PASS
71	15.0	133397	690.5	16QAM	75@0	see graph	PASS
71	10.0	133172	668.0	QPSK	1@0	see graph	PASS
71	10.0	133172	668.0	QPSK	50@0	see graph	PASS
71	10.0	133172	668.0	16QAM	1@0	see graph	PASS
71	10.0	133172	668.0	16QAM	50@0	see graph	PASS
71	10.0	133422	693.0	QPSK	1@49	see graph	PASS
71	10.0	133422	693.0	QPSK	50@0	see graph	PASS
71	10.0	133422	693.0	16QAM	1@49	see graph	PASS
71	10.0	133422	693.0	16QAM	50@0	see graph	PASS
71	5.0	133147	665.5	QPSK	1@0	see graph	PASS
71	5.0	133147	665.5	QPSK	25@0	see graph	PASS
71	5.0	133147	665.5	16QAM	1@0	see graph	PASS
71	5.0	133147	665.5	16QAM	25@0	see graph	PASS
71	5.0	133447	695.5	QPSK	1@24	see graph	PASS
71	5.0	133447	695.5	QPSK	25@0	see graph	PASS
71	5.0	133447	695.5	16QAM	1@24	see graph	PASS
71	5.0	133447	695.5	16QAM	25@0	see graph	PASS
71	20.0	133222	673.0	64QAM	1@0	see graph	PASS
71	20.0	133222	673.0	64QAM	100@0	see graph	PASS
71	20.0	133372	688.0	64QAM	1@99	see graph	PASS
71	20.0	133372	688.0	64QAM	100@0	see graph	PASS
71	15.0	133197	670.5	64QAM	1@0	see graph	PASS
71	15.0	133197	670.5	64QAM	75@0	see graph	PASS
71	15.0	133397	690.5	64QAM	1@74	see graph	PASS
71	15.0	133397	690.5	64QAM	75@0	see graph	PASS
71	10.0	133172	668.0	64QAM	1@0	see graph	PASS
71	10.0	133172	668.0	64QAM	50@0	see graph	PASS
71	10.0	133422	693.0	64QAM	1@49	see graph	PASS
71	10.0	133422	693.0	64QAM	50@0	see graph	PASS
71	5.0	133147	665.5	64QAM	1@0	see graph	PASS
71	5.0	133147	665.5	64QAM	25@0	see graph	PASS
71	5.0	133447	695.5	64QAM	1@24	see graph	PASS
71	5.0	133447	695.5	64QAM	25@0	see graph	PASS

**Test Graphs**

B71\_20M\_QPSK\_1@0\_CH\_133222



B71\_20M\_QPSK\_100@0\_CH\_133222



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