

### A.9 LTE BAND 71

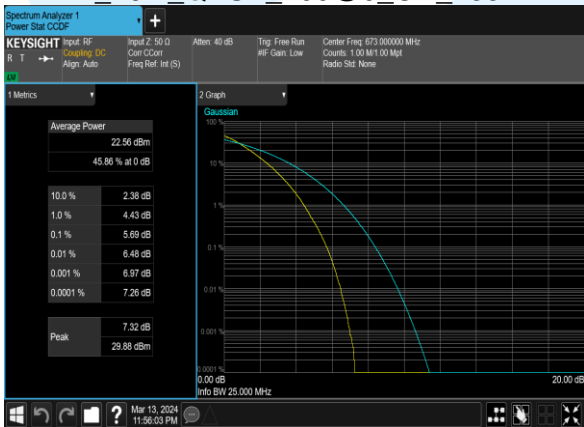
#### Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	20.0	133222	673.0	QPSK	100@0	5.69	13	PASS
71	20.0	133222	673.0	16QAM	100@0	6.34	13	PASS
71	20.0	133322	683.0	QPSK	100@0	5.67	13	PASS
71	20.0	133322	683.0	16QAM	100@0	6.36	13	PASS
71	20.0	133372	688.0	QPSK	100@0	5.60	13	PASS
71	20.0	133372	688.0	16QAM	100@0	6.39	13	PASS
71	15.0	133197	670.5	QPSK	75@0	5.46	13	PASS
71	15.0	133197	670.5	16QAM	75@0	6.22	13	PASS
71	15.0	133297	680.5	QPSK	75@0	5.55	13	PASS
71	15.0	133297	680.5	16QAM	75@0	6.22	13	PASS
71	15.0	133397	690.5	QPSK	75@0	5.45	13	PASS
71	15.0	133397	690.5	16QAM	75@0	6.26	13	PASS
71	10.0	133172	668.0	QPSK	50@0	5.77	13	PASS
71	10.0	133172	668.0	16QAM	50@0	6.42	13	PASS
71	10.0	133297	680.5	QPSK	50@0	5.73	13	PASS
71	10.0	133297	680.5	16QAM	50@0	6.40	13	PASS
71	10.0	133422	693.0	QPSK	50@0	5.72	13	PASS
71	10.0	133422	693.0	16QAM	50@0	6.45	13	PASS
71	5.0	133147	665.5	QPSK	25@0	5.62	13	PASS
71	5.0	133147	665.5	16QAM	25@0	6.24	13	PASS
71	5.0	133297	680.5	QPSK	25@0	5.68	13	PASS
71	5.0	133297	680.5	16QAM	25@0	6.31	13	PASS
71	5.0	133447	695.5	QPSK	25@0	5.69	13	PASS
71	5.0	133447	695.5	16QAM	25@0	6.29	13	PASS

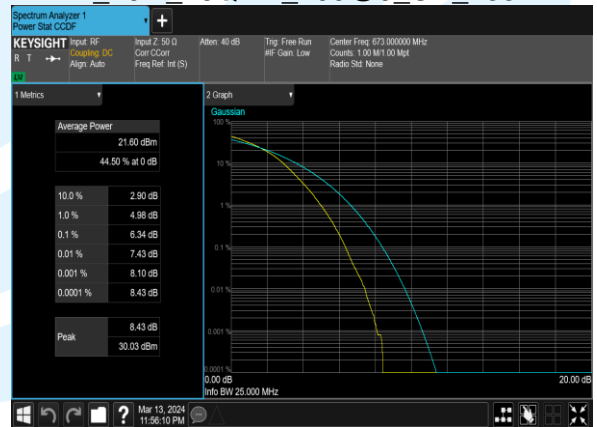
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	20.0	133222	673.0	64QAM	100@0	6.34	13	PASS
71	20.0	133322	683.0	64QAM	100@0	6.35	13	PASS
71	20.0	133372	688.0	64QAM	100@0	6.33	13	PASS
71	15.0	133197	670.5	64QAM	75@0	6.20	13	PASS
71	15.0	133297	680.5	64QAM	75@0	6.24	13	PASS
71	15.0	133397	690.5	64QAM	75@0	6.17	13	PASS
71	10.0	133172	668.0	64QAM	50@0	6.36	13	PASS
71	10.0	133297	680.5	64QAM	50@0	6.42	13	PASS
71	10.0	133422	693.0	64QAM	50@0	6.40	13	PASS
71	5.0	133147	665.5	64QAM	25@0	6.26	13	PASS
71	5.0	133297	680.5	64QAM	25@0	6.33	13	PASS
71	5.0	133447	695.5	64QAM	25@0	6.33	13	PASS

#### Test Graphs

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



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



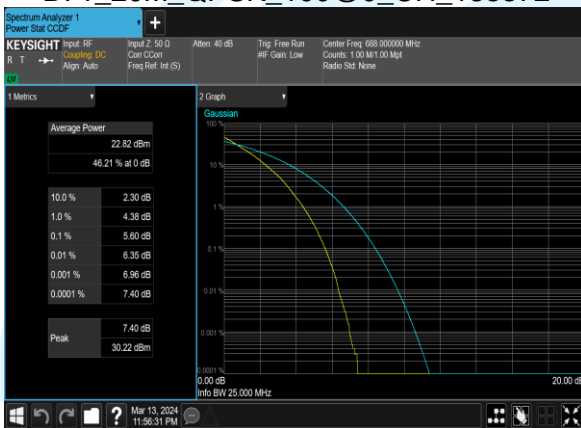
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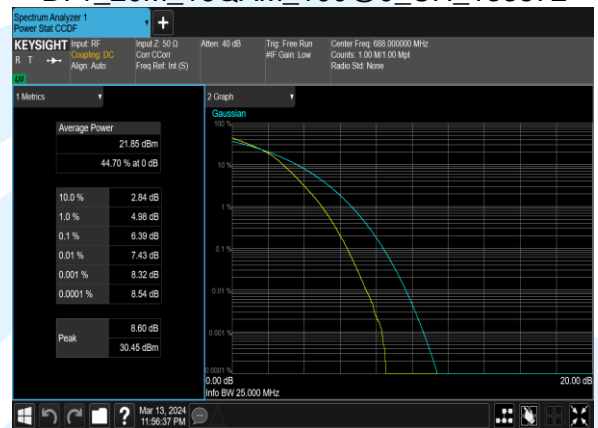
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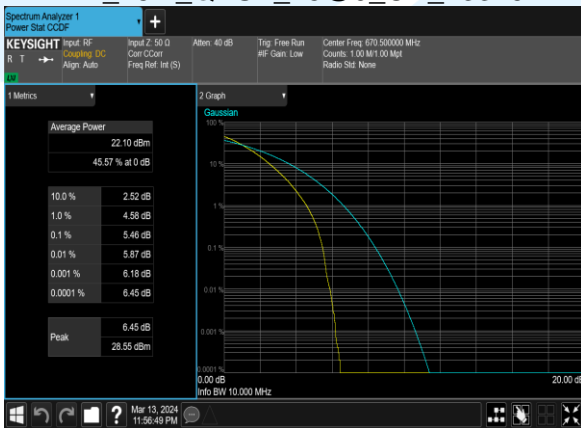
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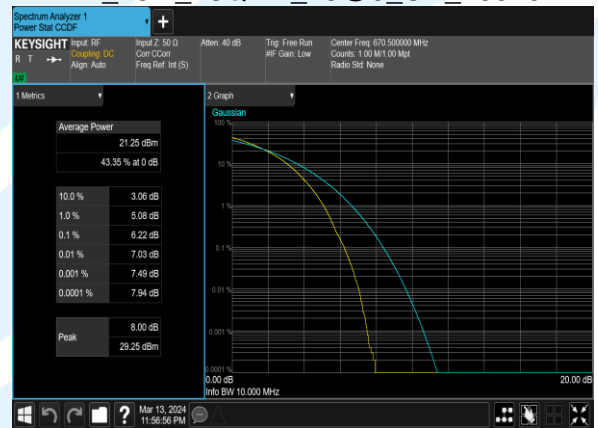
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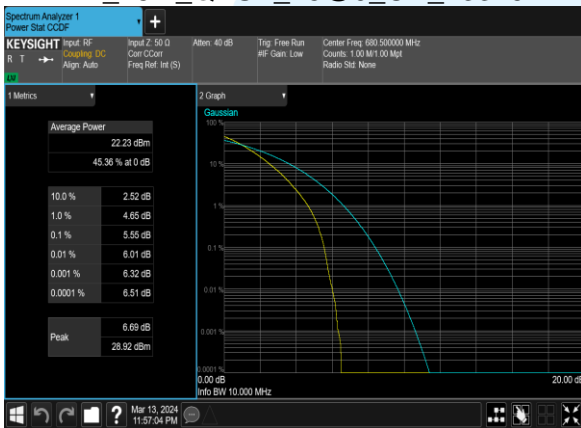
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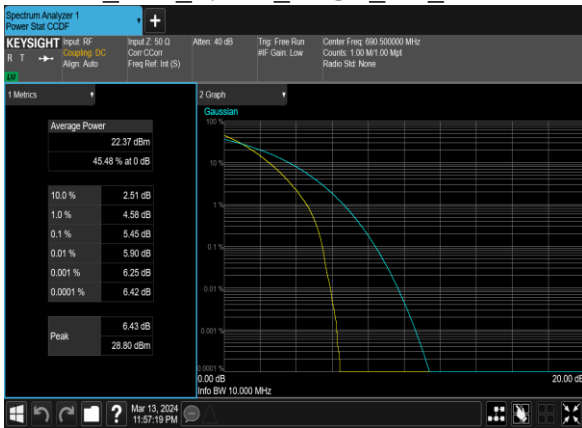
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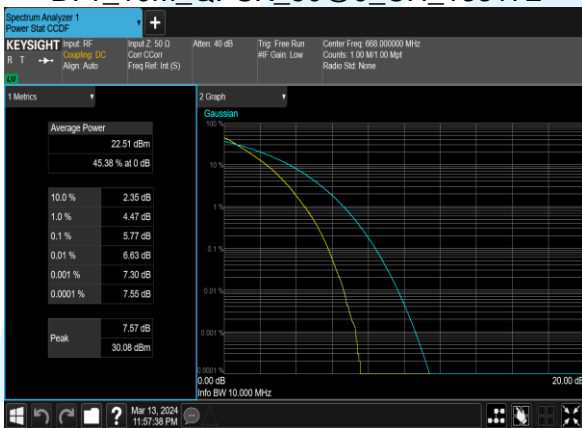
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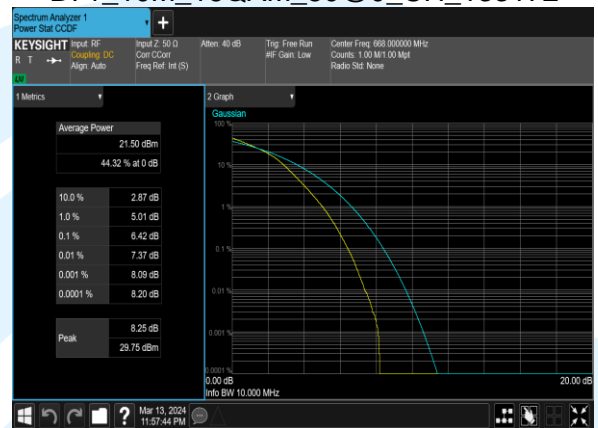
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B71\_10M\_QPSK\_50@0\_CH\_133172



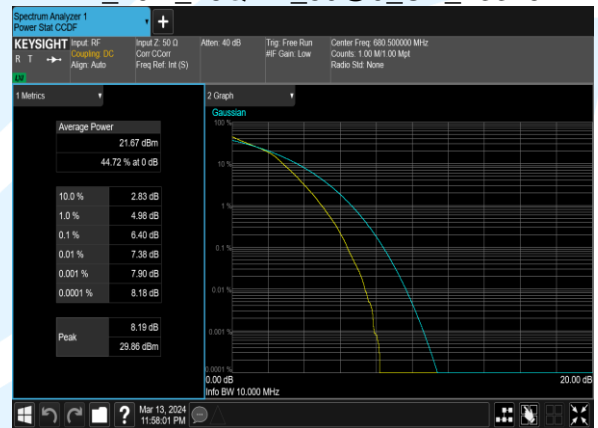
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B71\_10M\_QPSK\_50@0\_CH\_133297



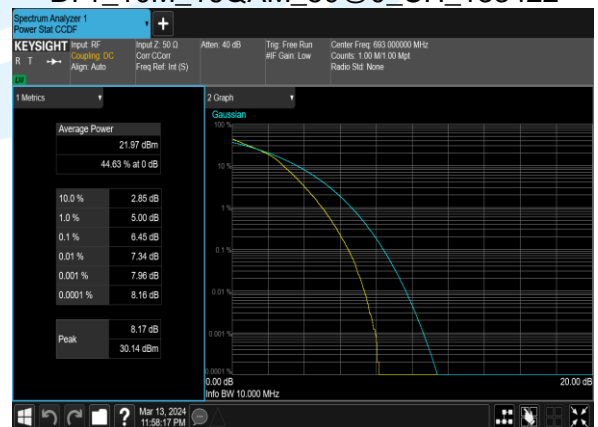
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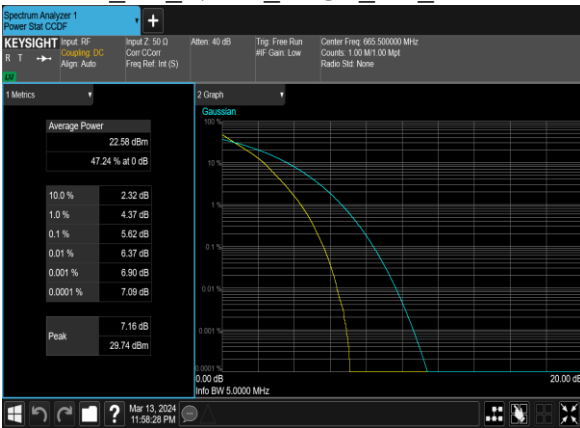
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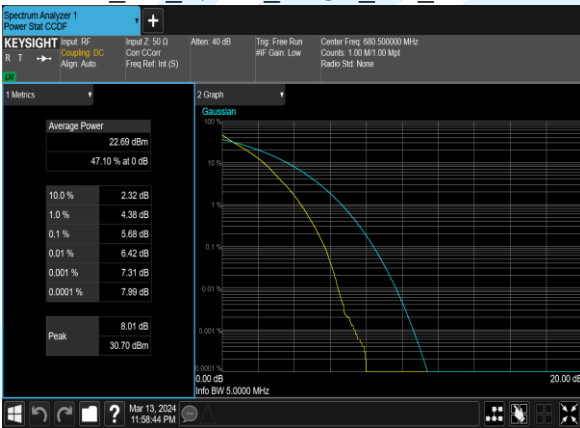
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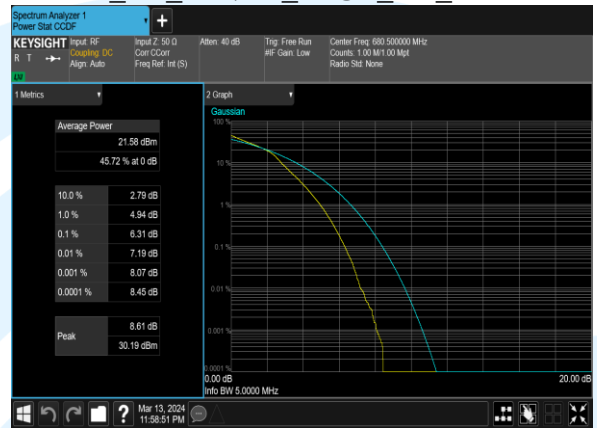
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B71\_5M\_QPSK\_25@0\_CH\_133297



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



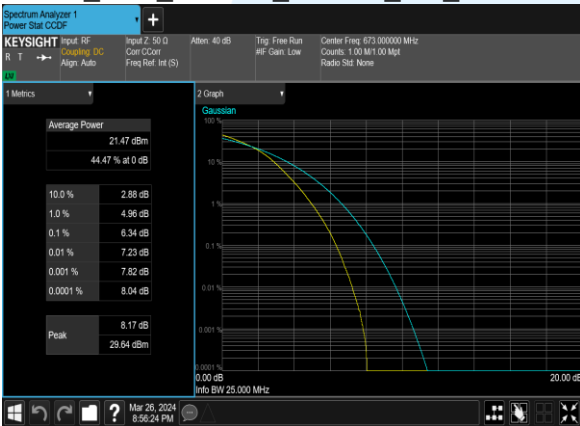
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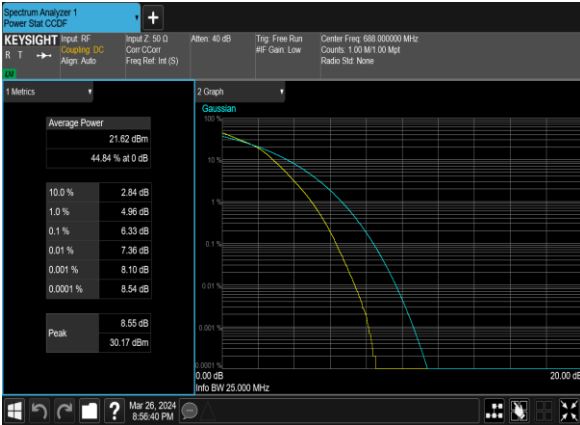
B71\_20M\_64QAM\_100@0\_CH\_133222



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



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



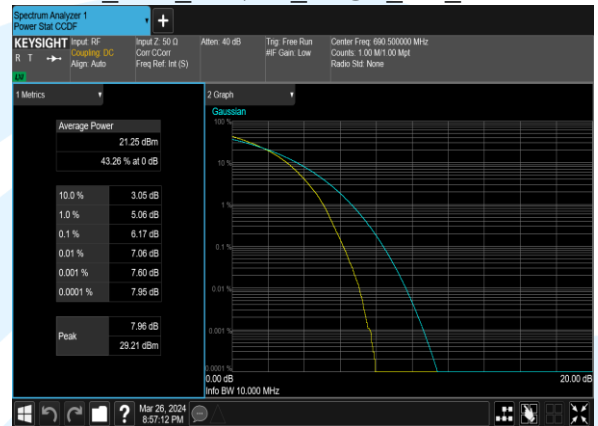
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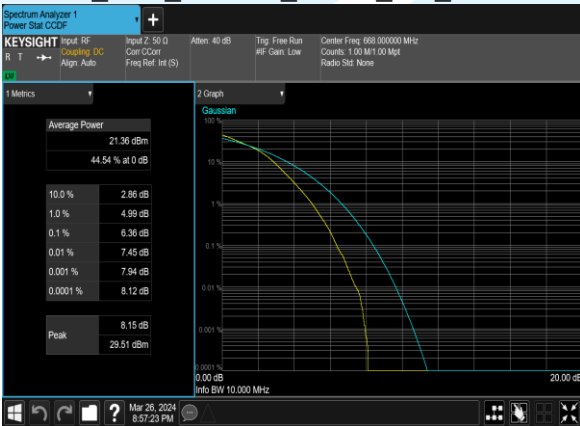
B71\_15M\_64QAM\_75@0\_CH\_133297



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



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



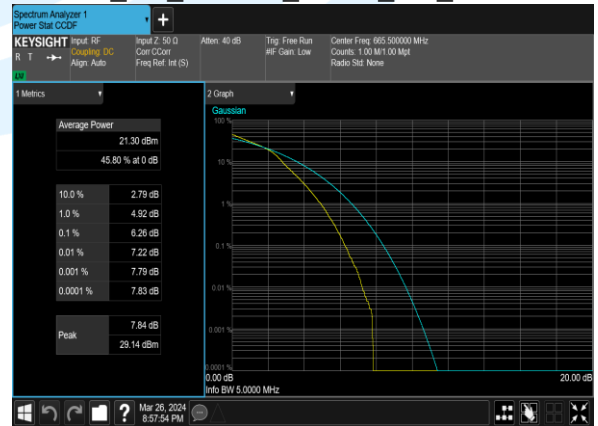
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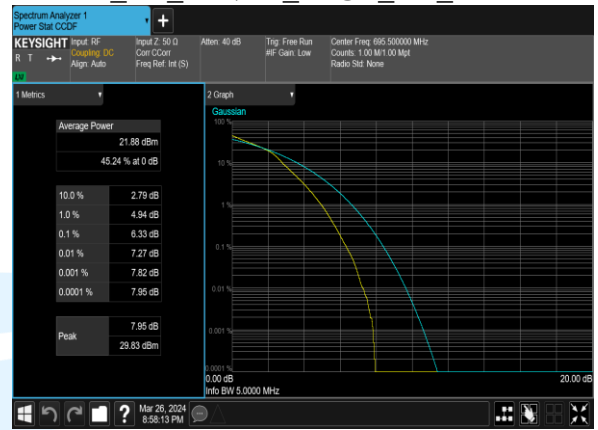
B71\_5M\_64QAM\_25@0\_CH\_133147



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



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



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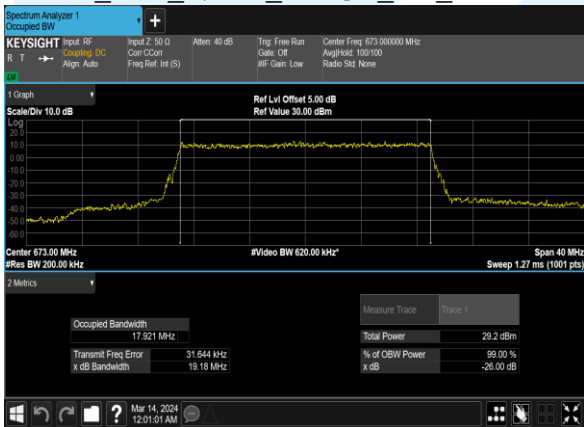
## Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	20.0	133222	673.0	QPSK	100@0	17.921	19.18
71	20.0	133222	673.0	16QAM	100@0	17.864	19.21
71	20.0	133322	683.0	QPSK	100@0	17.856	19.24
71	20.0	133322	683.0	16QAM	100@0	17.927	19.15
71	20.0	133372	688.0	QPSK	100@0	17.870	19.00
71	20.0	133372	688.0	16QAM	100@0	17.846	18.85
71	15.0	133197	670.5	QPSK	75@0	13.421	14.40
71	15.0	133197	670.5	16QAM	75@0	13.364	14.51
71	15.0	133297	680.5	QPSK	75@0	13.428	14.54
71	15.0	133297	680.5	16QAM	75@0	13.422	14.32
71	15.0	133397	690.5	QPSK	75@0	13.434	14.38
71	15.0	133397	690.5	16QAM	75@0	13.453	14.44
71	10.0	133172	668.0	QPSK	50@0	8.9633	9.644
71	10.0	133172	668.0	16QAM	50@0	8.9497	9.724
71	10.0	133297	680.5	QPSK	50@0	8.9421	9.650
71	10.0	133297	680.5	16QAM	50@0	8.9451	9.604
71	10.0	133422	693.0	QPSK	50@0	8.9544	9.753
71	10.0	133422	693.0	16QAM	50@0	8.9638	9.715
71	5.0	133147	665.5	QPSK	25@0	4.4604	4.899
71	5.0	133147	665.5	16QAM	25@0	4.4631	4.890
71	5.0	133297	680.5	QPSK	25@0	4.4594	4.863
71	5.0	133297	680.5	16QAM	25@0	4.4680	4.888
71	5.0	133447	695.5	QPSK	25@0	4.4612	4.876
71	5.0	133447	695.5	16QAM	25@0	4.4570	4.889

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	20.0	133222	673.0	64QAM	100@0	17.853	19.23
71	20.0	133322	683.0	64QAM	100@0	17.884	19.22
71	20.0	133372	688.0	64QAM	100@0	17.863	19.07
71	15.0	133197	670.5	64QAM	75@0	13.399	14.31
71	15.0	133297	680.5	64QAM	75@0	13.413	14.38
71	15.0	133397	690.5	64QAM	75@0	13.419	14.45
71	10.0	133172	668.0	64QAM	50@0	8.9169	9.688
71	10.0	133297	680.5	64QAM	50@0	8.9488	9.683
71	10.0	133422	693.0	64QAM	50@0	8.9482	9.723
71	5.0	133147	665.5	64QAM	25@0	4.4605	4.814
71	5.0	133297	680.5	64QAM	25@0	4.4578	4.852
71	5.0	133447	695.5	64QAM	25@0	4.4568	4.813

## Test Graphs

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



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





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



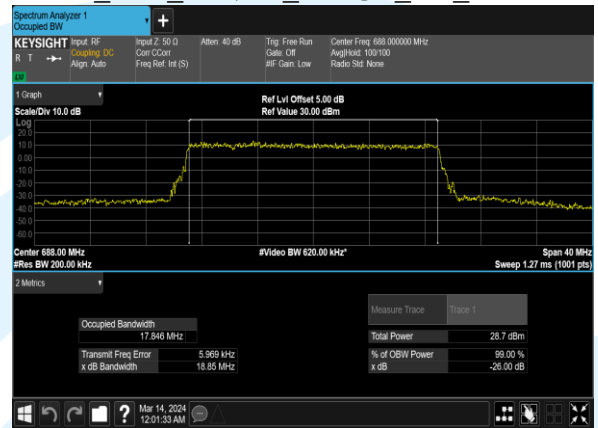
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B71\_20M\_QPSK\_100@0\_CH\_133372



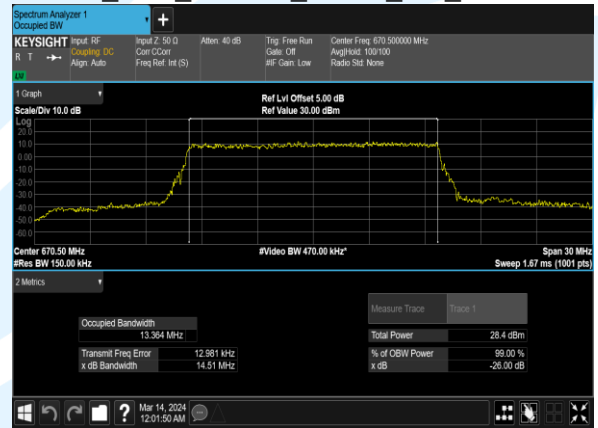
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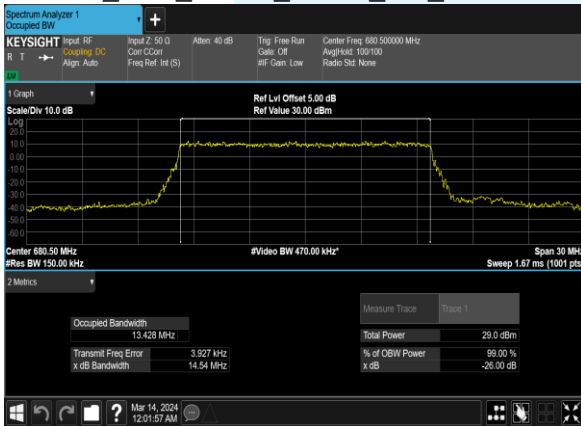
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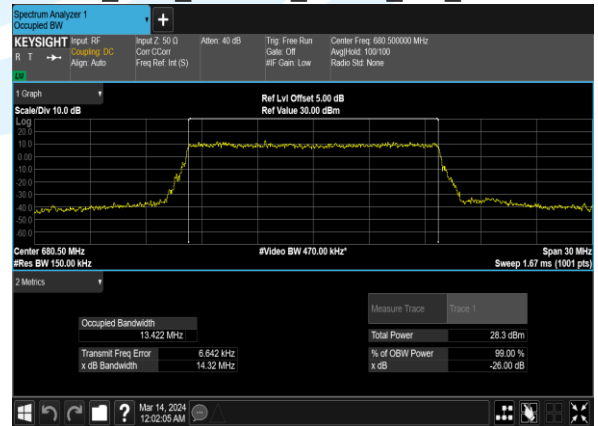
B71\_15M\_16QAM\_75@0\_CH\_133197



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



B71\_15M\_16QAM\_75@0\_CH\_133297



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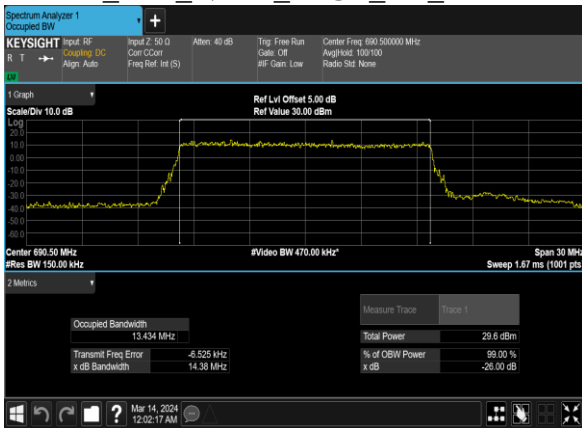
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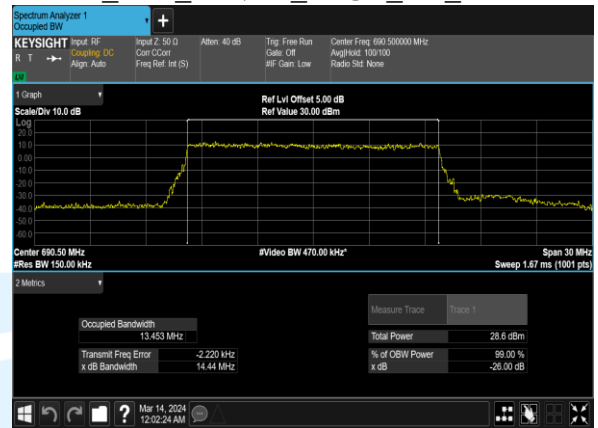
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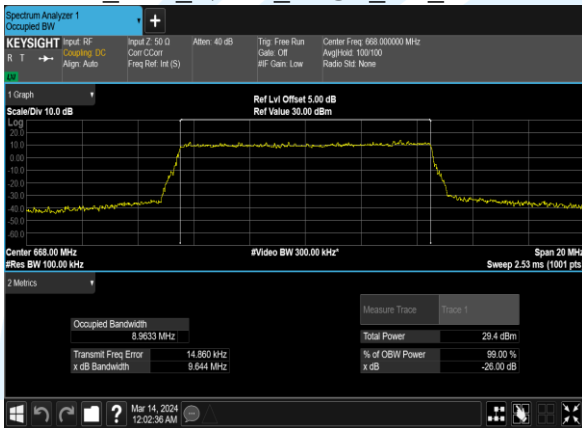
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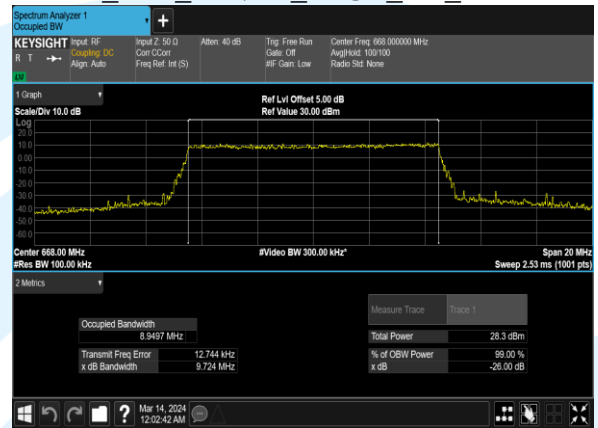
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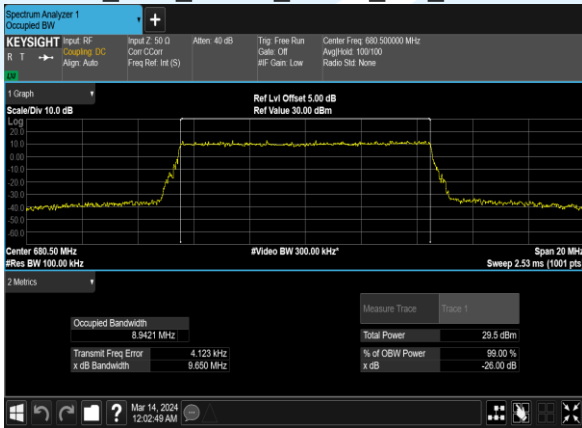
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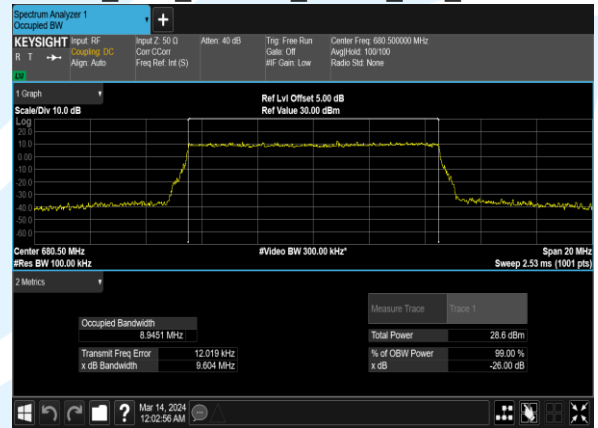
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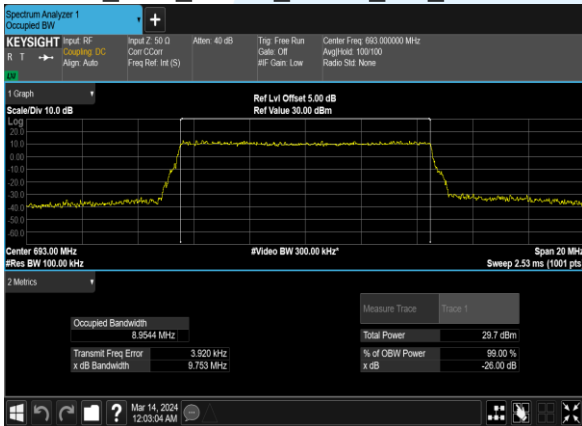
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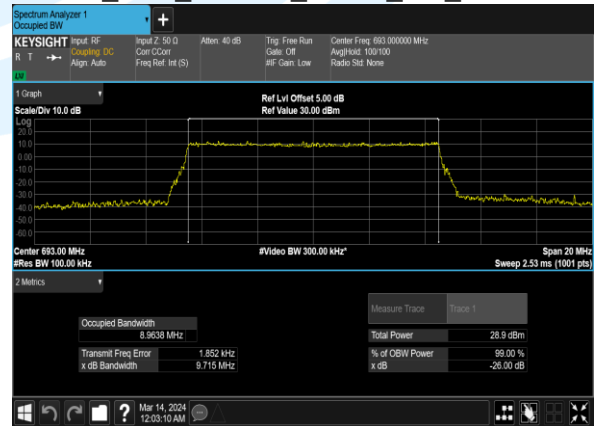
B71\_10M\_16QAM\_50@0\_CH\_133297



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



B71\_10M\_16QAM\_50@0\_CH\_133422



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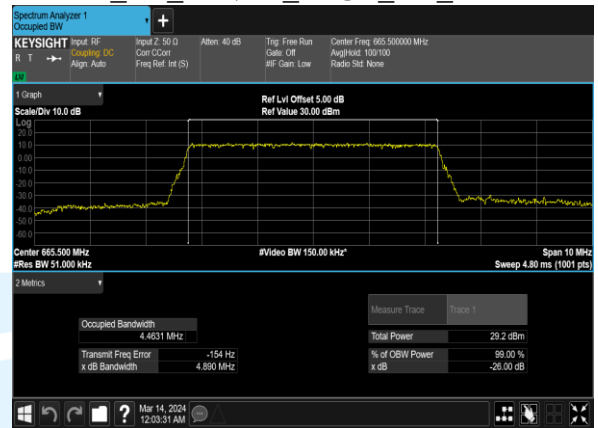
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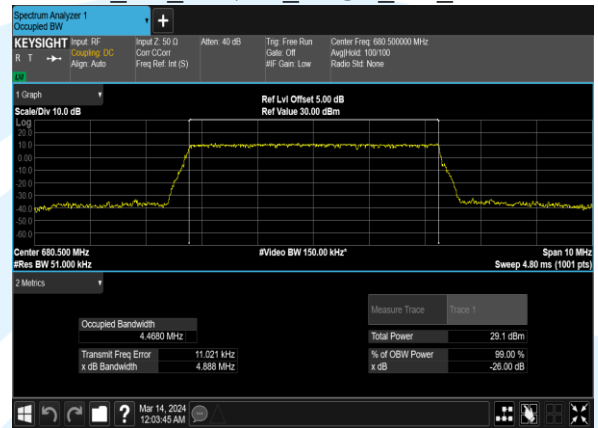
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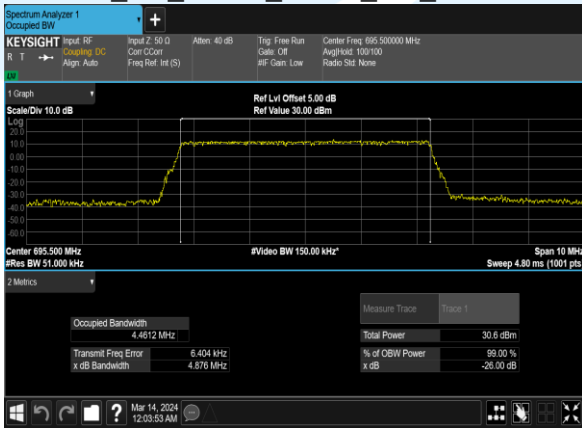
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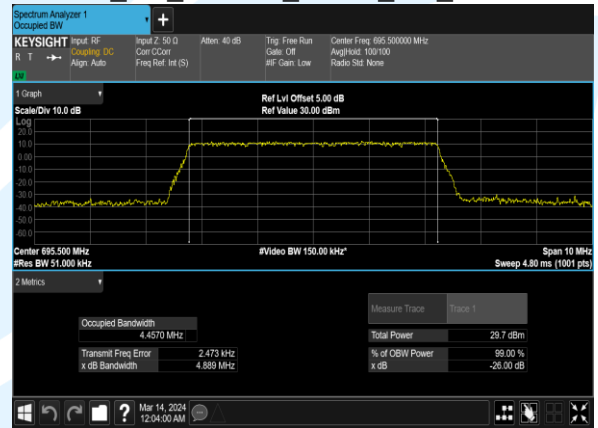
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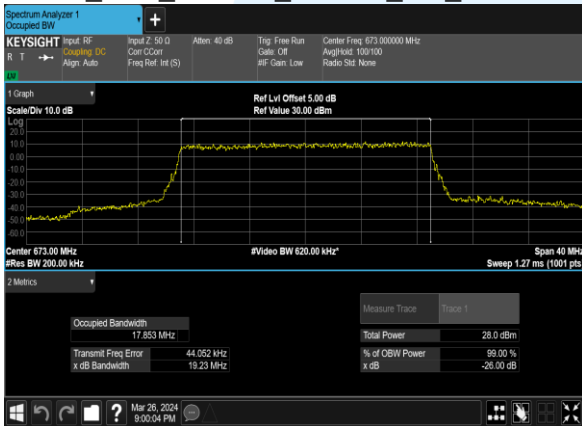
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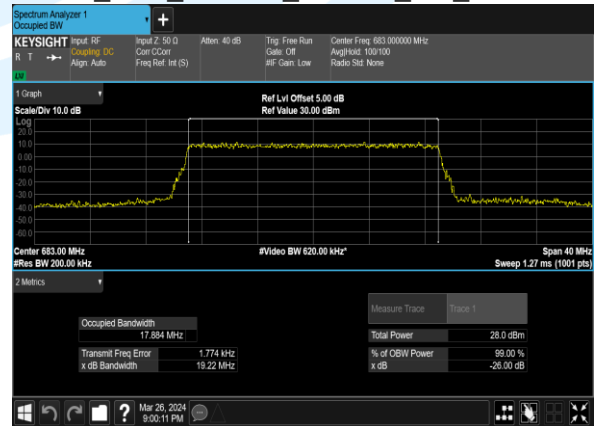
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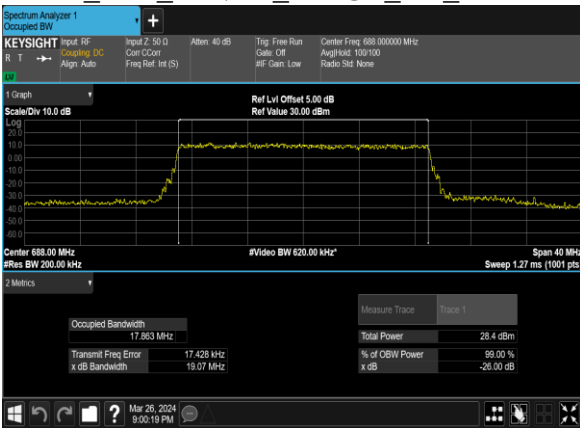
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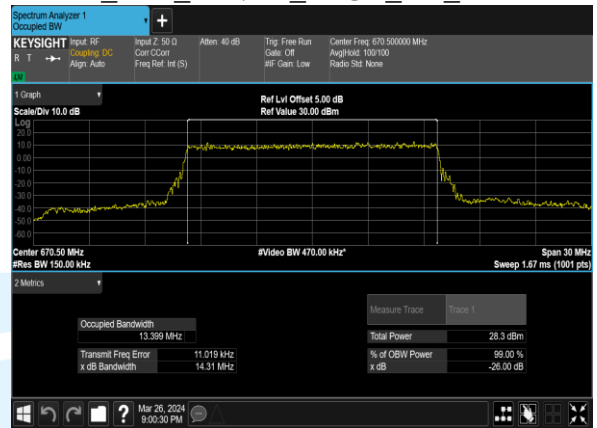
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B71\_20M\_64QAM\_100@0\_CH\_133372



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



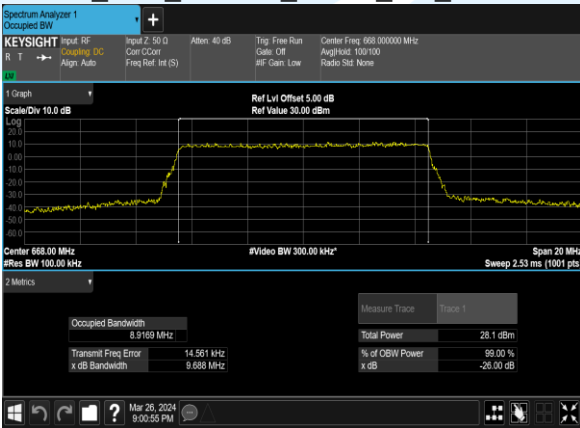
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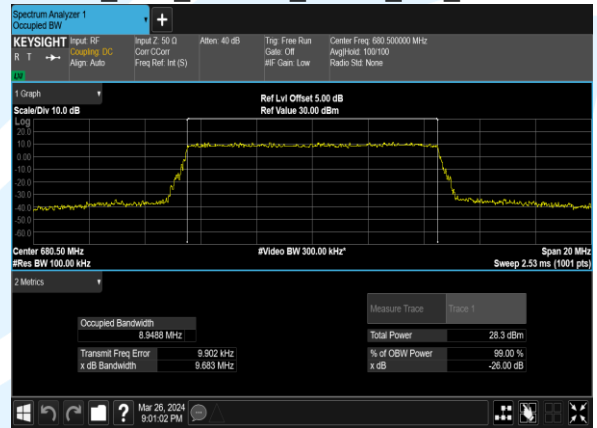
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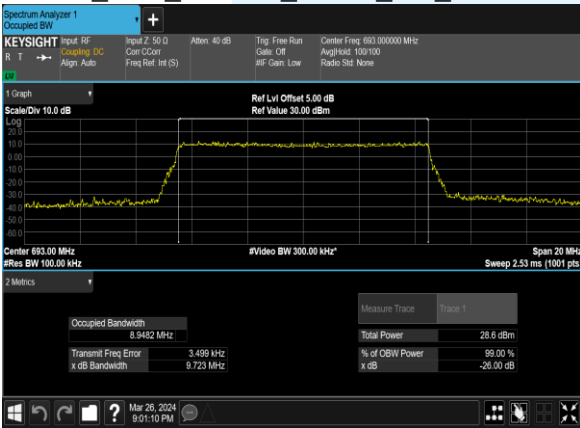
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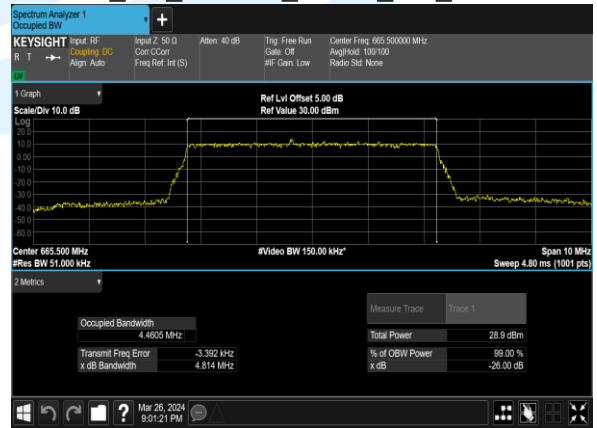
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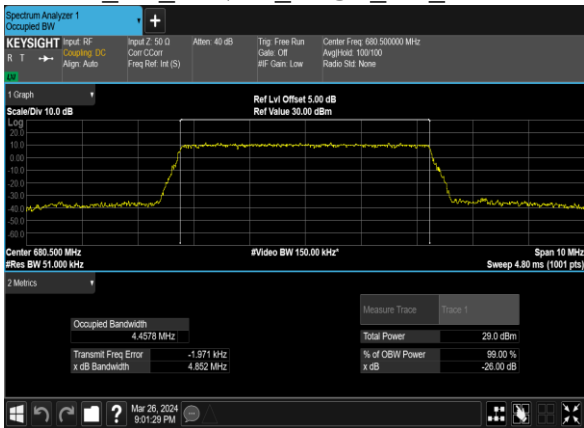
B71\_10M\_64QAM\_50@0\_CH\_133422



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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**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	-30.71	-13	PASS
71	20.0	133222	673.0	16QAM	1@0	-31.68	-13	PASS
71	20.0	133322	683.0	QPSK	1@0	-30.39	-13	PASS
71	20.0	133322	683.0	16QAM	1@0	-30.53	-13	PASS
71	20.0	133372	688.0	QPSK	1@0	-30.9	-13	PASS
71	20.0	133372	688.0	16QAM	1@0	-30.8	-13	PASS
71	15.0	133197	670.5	QPSK	1@0	-30.49	-13	PASS
71	15.0	133197	670.5	16QAM	1@0	-30.76	-13	PASS
71	15.0	133297	680.5	QPSK	1@0	-30.66	-13	PASS
71	15.0	133297	680.5	16QAM	1@0	-30.68	-13	PASS
71	15.0	133397	690.5	QPSK	1@0	-31.21	-13	PASS
71	15.0	133397	690.5	16QAM	1@0	-30.21	-13	PASS
71	10.0	133172	668.0	QPSK	1@0	-30.71	-13	PASS
71	10.0	133172	668.0	16QAM	1@0	-30.39	-13	PASS
71	10.0	133297	680.5	QPSK	1@0	-30.69	-13	PASS
71	10.0	133297	680.5	16QAM	1@0	-31.15	-13	PASS
71	10.0	133422	693.0	QPSK	1@0	-31.02	-13	PASS
71	10.0	133422	693.0	16QAM	1@0	-31.73	-13	PASS
71	5.0	133147	665.5	QPSK	1@0	-31.01	-13	PASS
71	5.0	133147	665.5	16QAM	1@0	-31.35	-13	PASS
71	5.0	133297	680.5	QPSK	1@0	-31.01	-13	PASS
71	5.0	133297	680.5	16QAM	1@0	-29.75	-13	PASS
71	5.0	133447	695.5	QPSK	1@0	-30.49	-13	PASS
71	5.0	133447	695.5	16QAM	1@0	-30.44	-13	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
71	20.0	133222	673.0	64QAM	1@0	-30.56	-13	PASS
71	20.0	133322	683.0	64QAM	1@0	-30.86	-13	PASS
71	20.0	133372	688.0	64QAM	1@0	-31.32	-13	PASS
71	15.0	133197	670.5	64QAM	1@0	-30.59	-13	PASS
71	15.0	133297	680.5	64QAM	1@0	-29.57	-13	PASS
71	15.0	133397	690.5	64QAM	1@0	-30.99	-13	PASS
71	10.0	133172	668.0	64QAM	1@0	-29.66	-13	PASS
71	10.0	133297	680.5	64QAM	1@0	-30.89	-13	PASS
71	10.0	133422	693.0	64QAM	1@0	-30.84	-13	PASS
71	5.0	133147	665.5	64QAM	1@0	-30.36	-13	PASS
71	5.0	133297	680.5	64QAM	1@0	-30.94	-13	PASS
71	5.0	133447	695.5	64QAM	1@0	-30.79	-13	PASS

**Test Graphs**

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



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



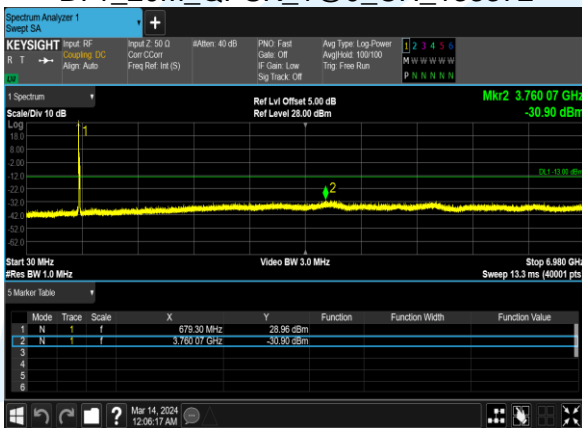
B71\_20M\_QPSK\_1@0\_CH\_133322



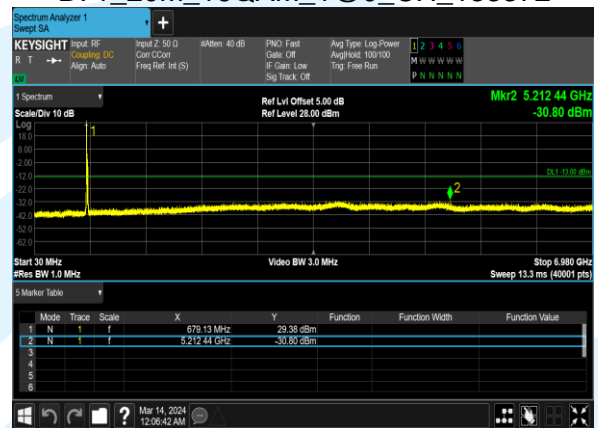
B71\_20M\_16QAM\_1@0\_CH\_133322



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



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



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



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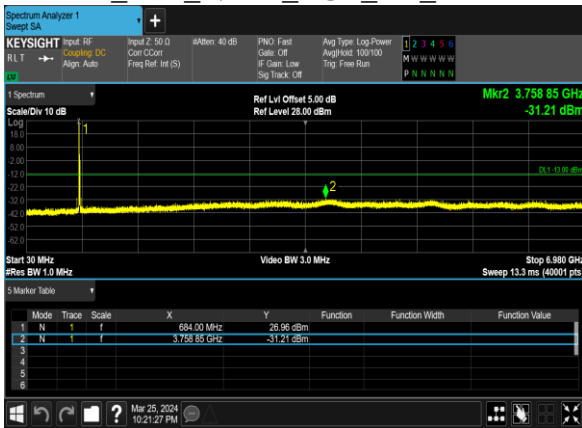
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B71\_15M\_QPSK\_1@0\_CH\_133397



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



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



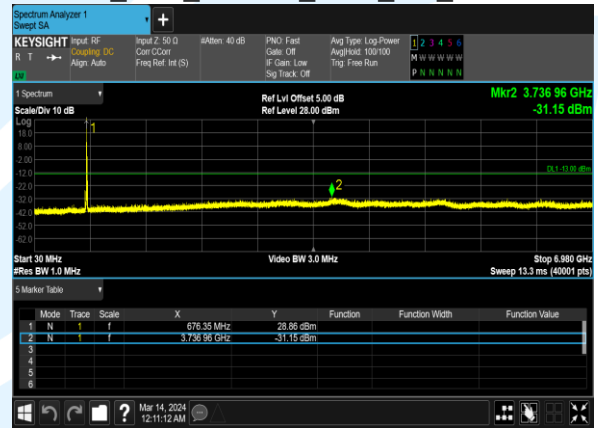
B71\_10M\_16QAM\_1@0\_CH\_133172



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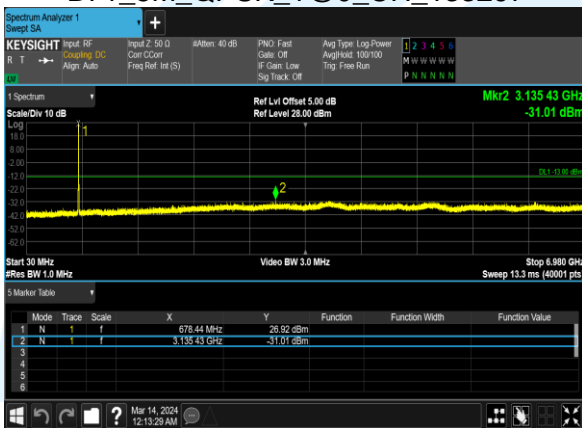
B71\_5M\_QPSK\_1@0\_CH\_133147



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



B71\_5M\_16QAM\_1@0\_CH\_133447



B71\_20M\_64QAM\_1@0\_CH\_133222



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

