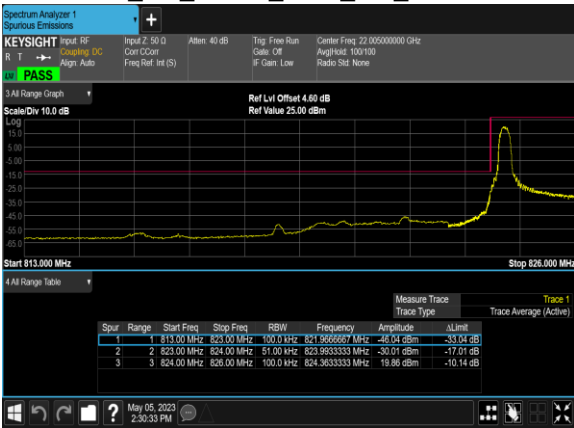


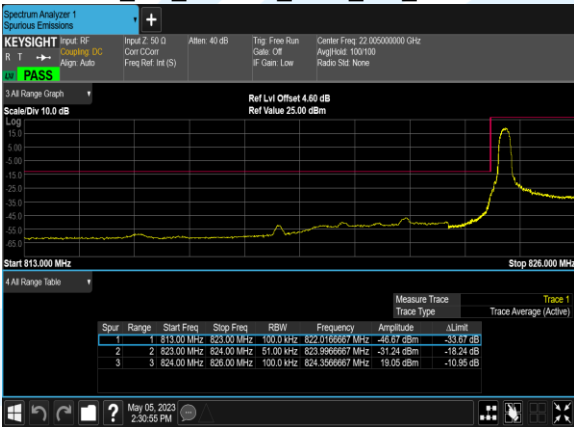
B5\_5M\_QPSK\_1@0\_CH\_20425



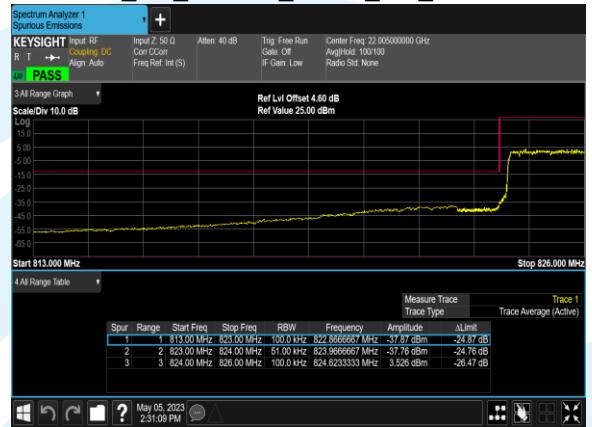
B5\_5M\_QPSK\_25@0\_CH\_20425



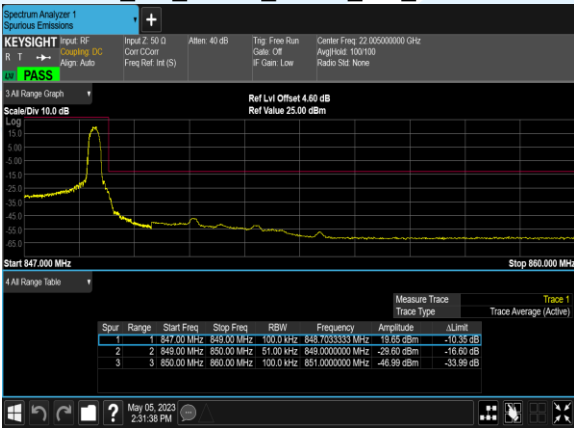
B5\_5M\_16QAM\_1@0\_CH\_20425



B5\_5M\_16QAM\_25@0\_CH\_20425



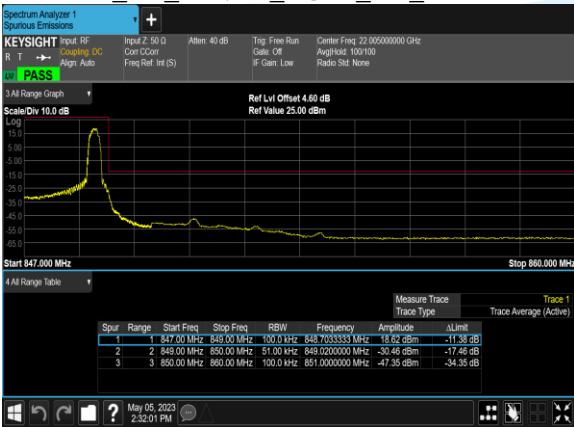
B5\_5M\_QPSK\_1@24\_CH\_20625



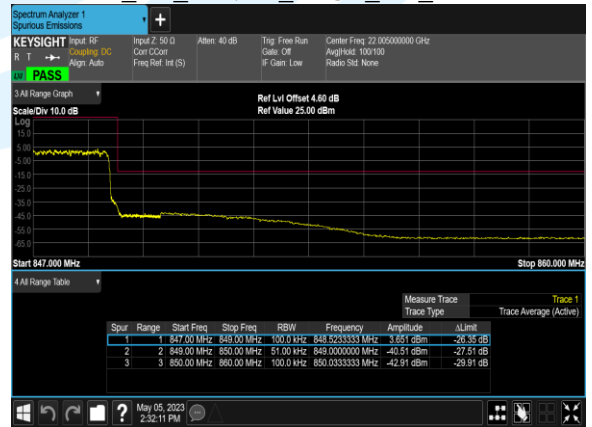
B5\_5M\_QPSK\_25@0\_CH\_20625



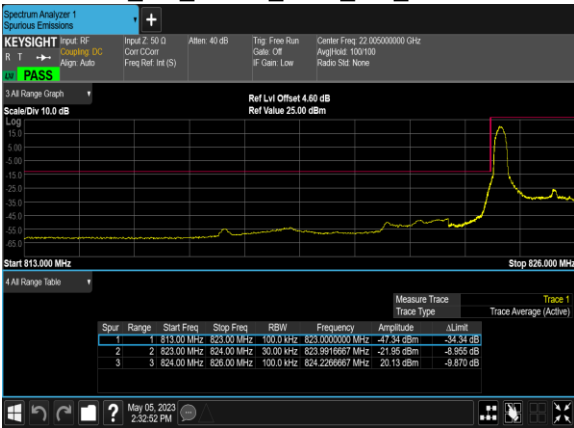
B5\_5M\_16QAM\_1@24\_CH\_20625



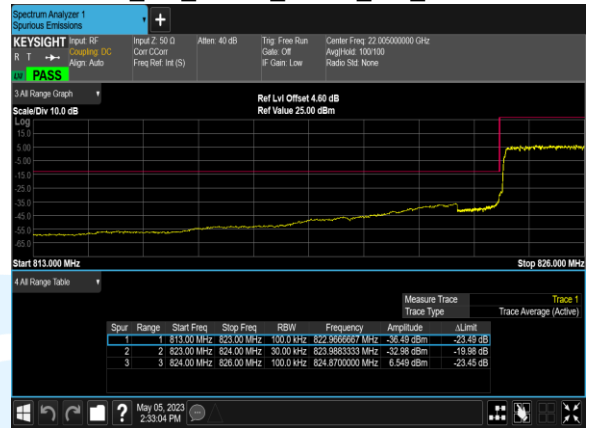
B5\_5M\_16QAM\_25@0\_CH\_20625



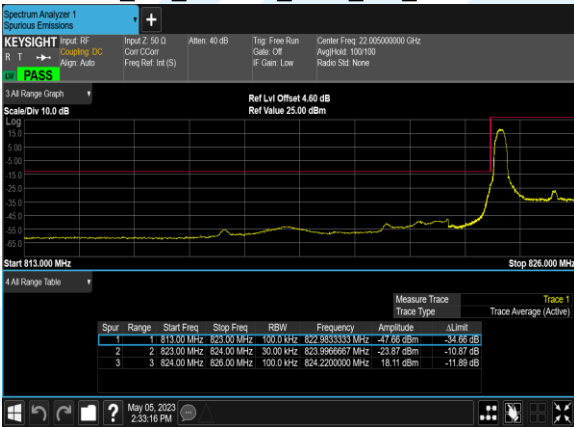
B5\_3M\_QPSK\_1@0\_CH\_20415



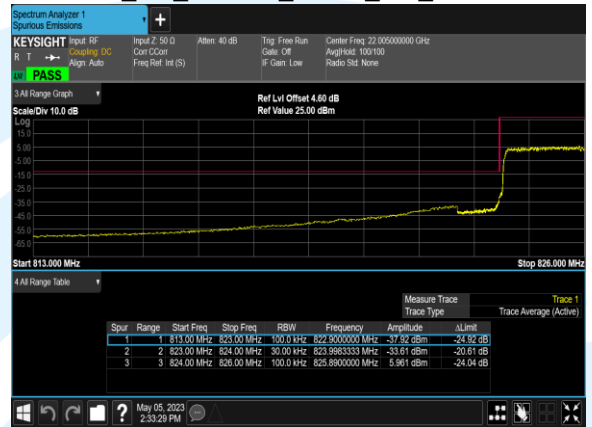
B5\_3M\_QPSK\_15@0\_CH\_20415



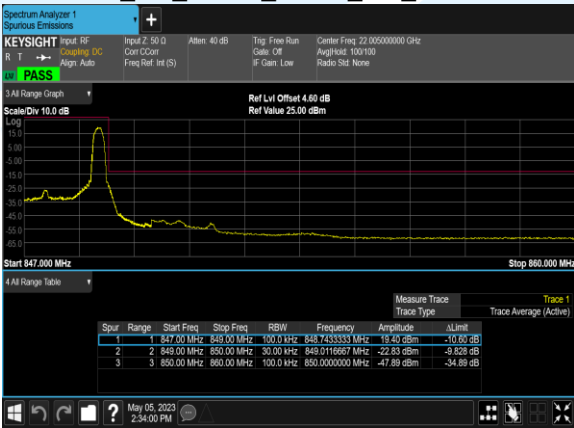
B5\_3M\_16QAM\_1@0\_CH\_20415



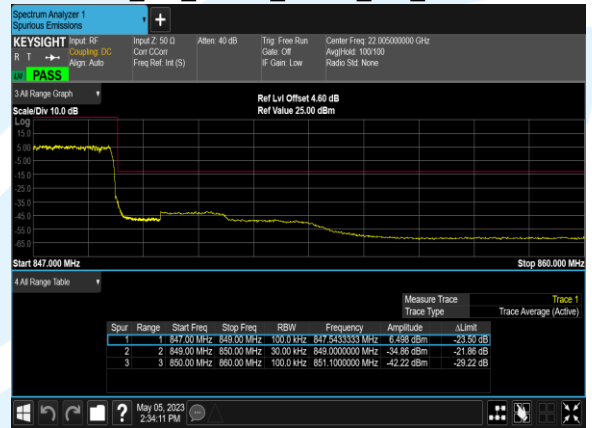
B5\_3M\_16QAM\_15@0\_CH\_20415



B5\_3M\_QPSK\_1@14\_CH\_20635



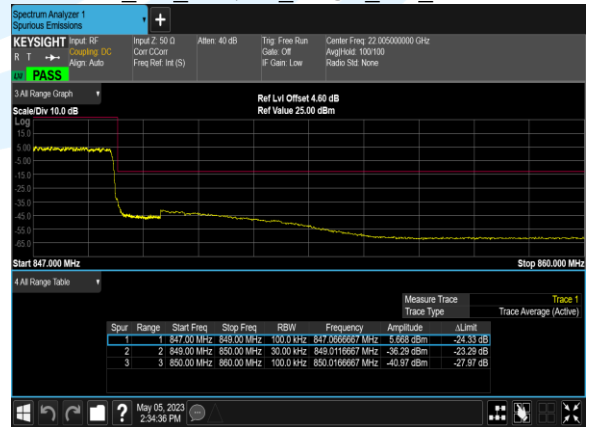
B5\_3M\_QPSK\_15@0\_CH\_20635



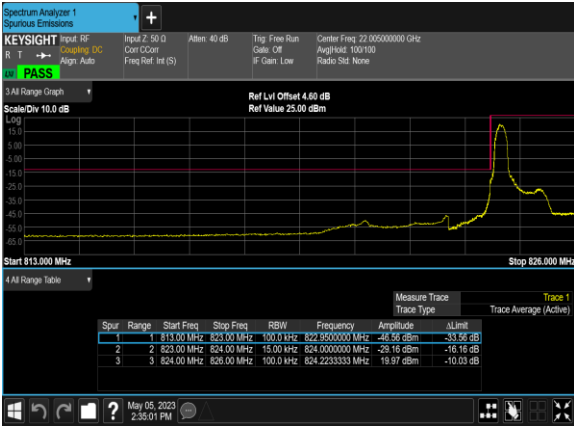
B5\_3M\_16QAM\_1@14\_CH\_20635



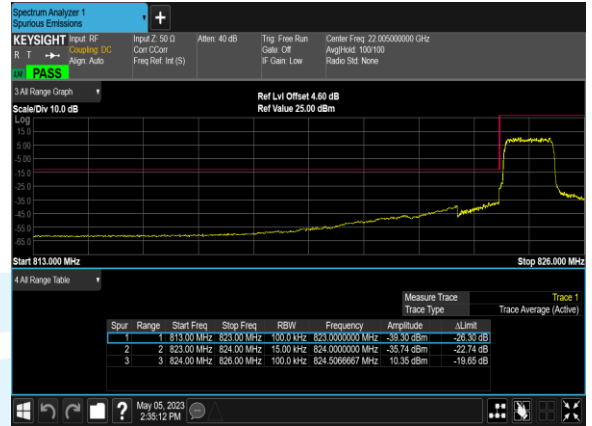
B5\_3M\_16QAM\_15@0\_CH\_20635



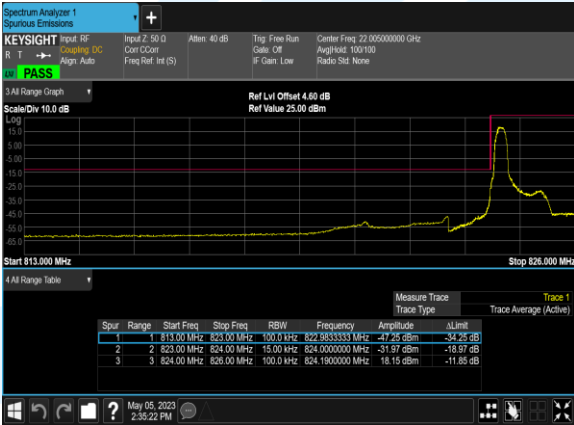
B5\_1.4M\_QPSK\_1@0\_CH\_20407



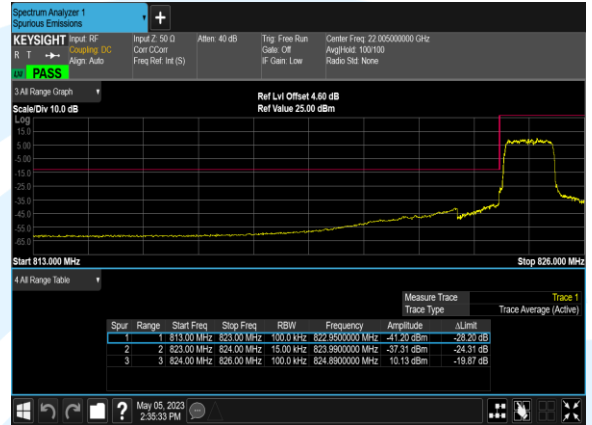
B5\_1.4M\_QPSK\_6@0\_CH\_20407



B5\_1.4M\_16QAM\_1@0\_CH\_20407



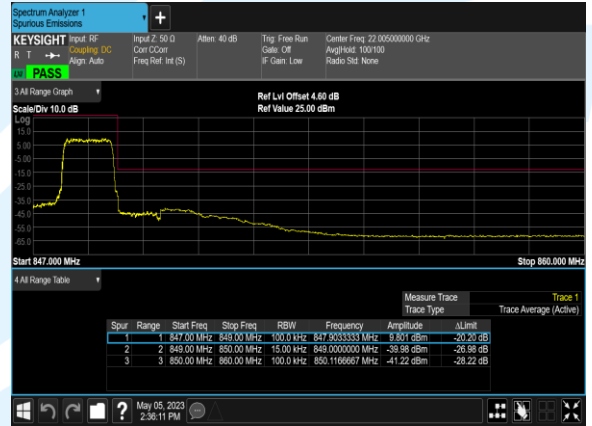
B5\_1.4M\_16QAM\_6@0\_CH\_20407



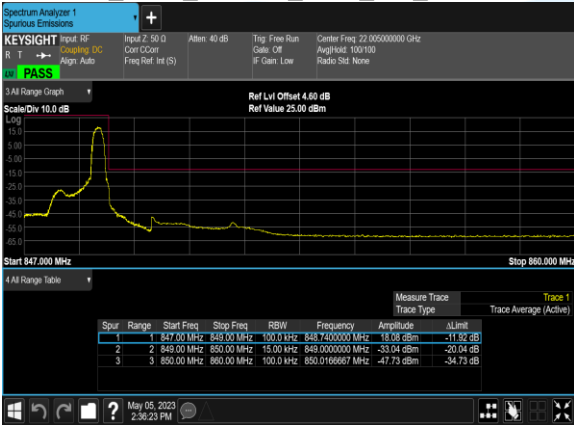
B5\_1.4M\_QPSK\_1@5\_CH\_20643



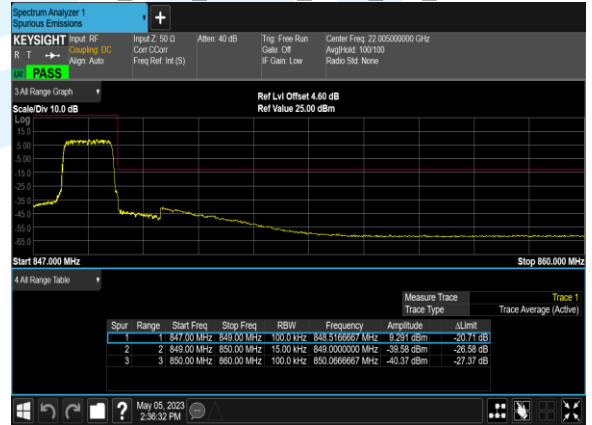
B5\_1.4M\_QPSK\_6@0\_CH\_20643



B5\_1.4M\_16QAM\_1@5\_CH\_20643



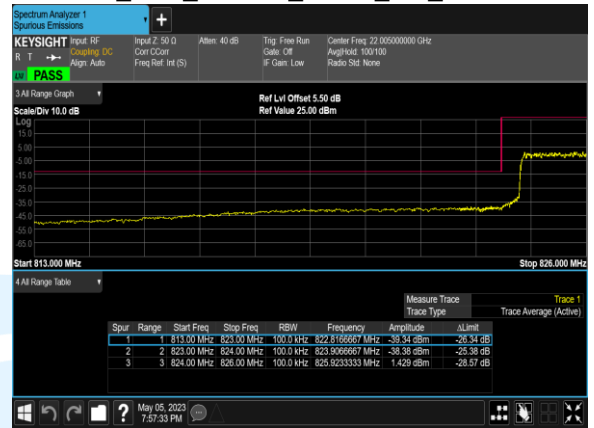
B5\_1.4M\_16QAM\_6@0\_CH\_20643



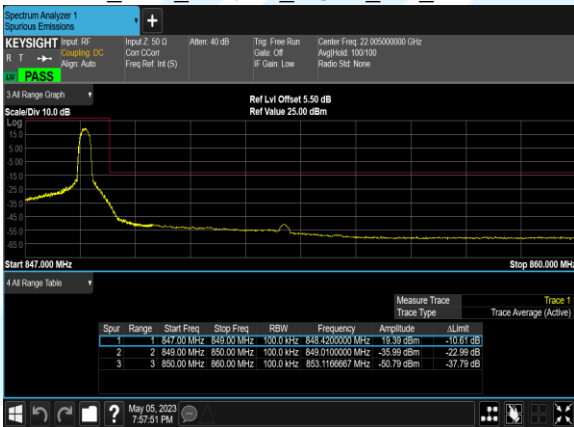
B5\_10M\_64QAM\_1@0\_CH\_20450



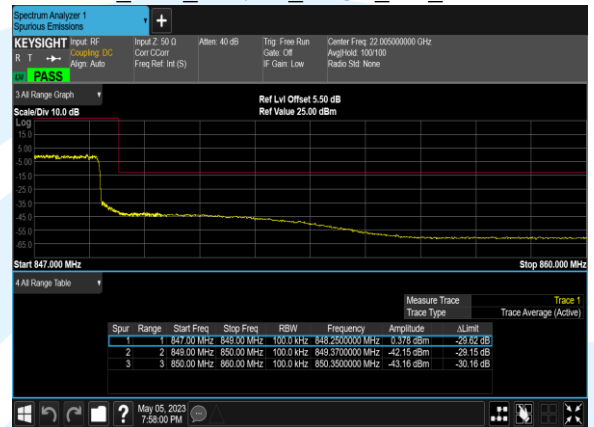
B5\_10M\_64QAM\_50@0\_CH\_20450



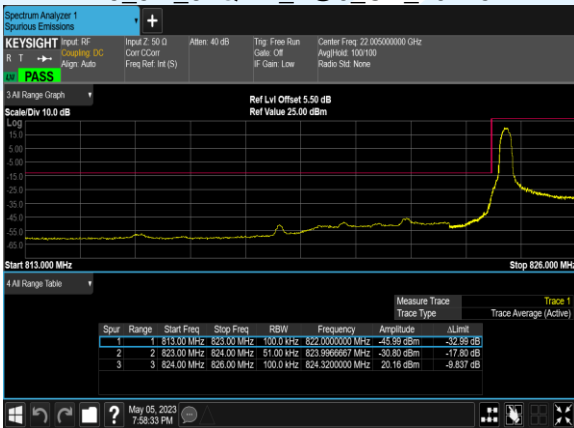
B5\_10M\_64QAM\_1@49\_CH\_20600



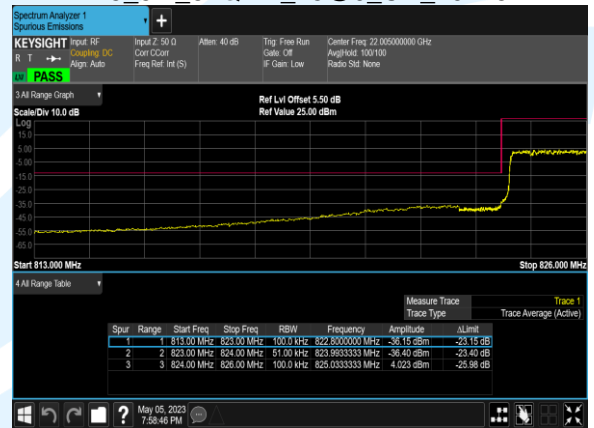
B5\_10M\_64QAM\_50@0\_CH\_20600



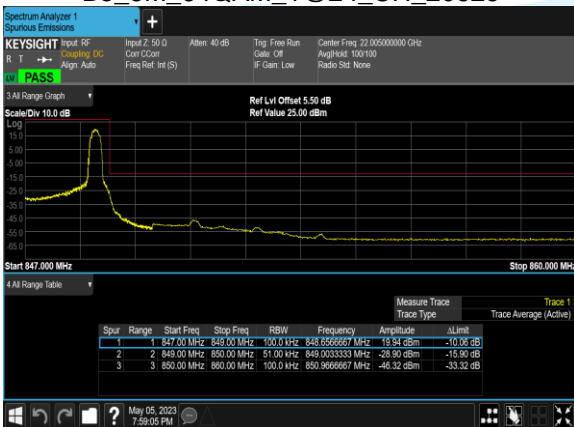
B5\_5M\_64QAM\_1@0\_CH\_20425



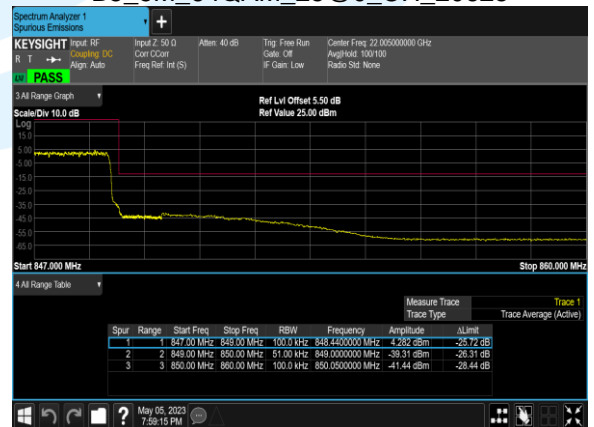
B5\_5M\_64QAM\_25@0\_CH\_20425



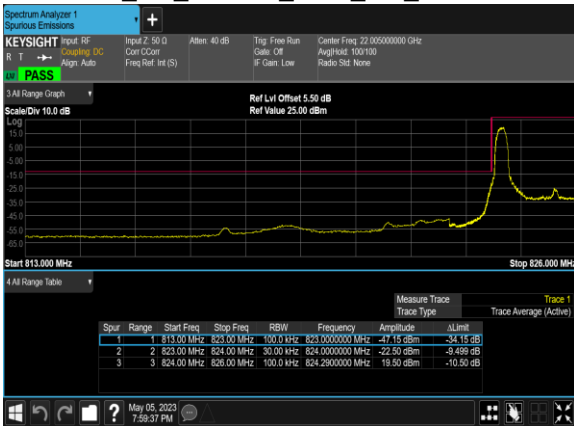
B5\_5M\_64QAM\_1@24\_CH\_20625



B5\_5M\_64QAM\_25@0\_CH\_20625



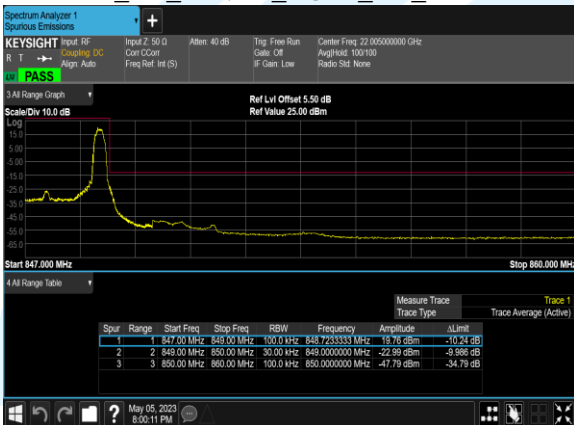
B5\_3M\_64QAM\_1@0\_CH\_20415



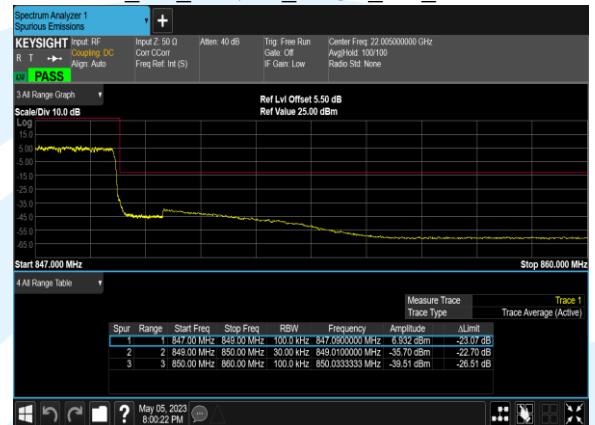
B5\_3M\_64QAM\_15@0\_CH\_20415



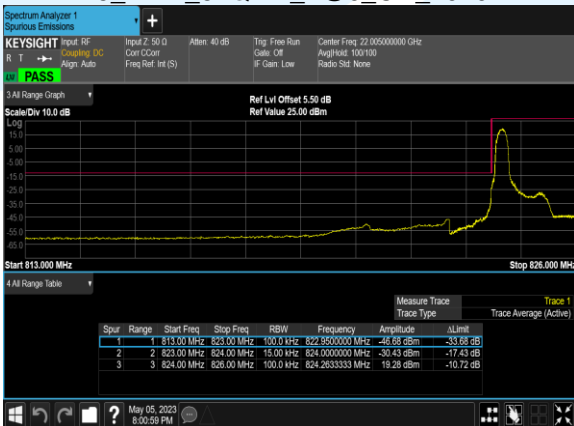
B5\_3M\_64QAM\_1@14\_CH\_20635



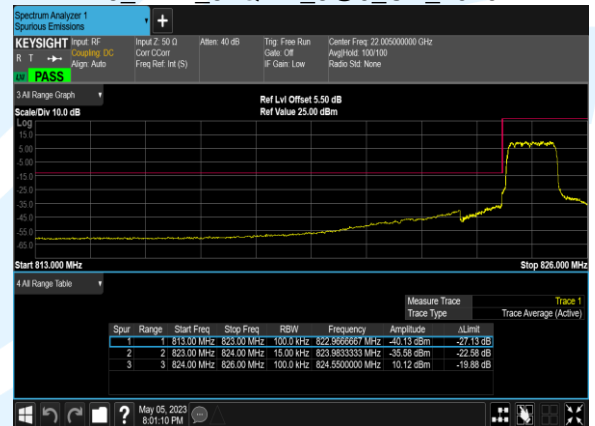
B5\_3M\_64QAM\_15@0\_CH\_20635



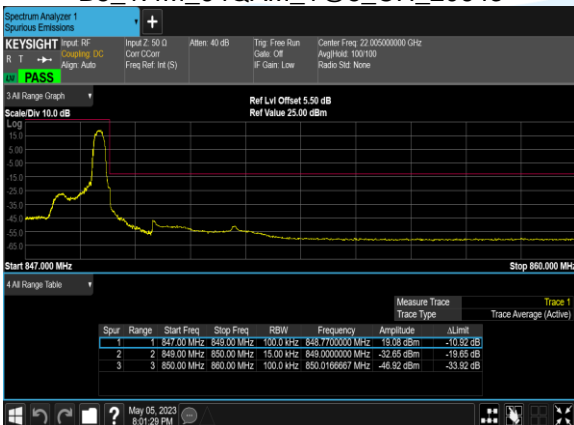
B5\_1.4M\_64QAM\_1@0\_CH\_20407



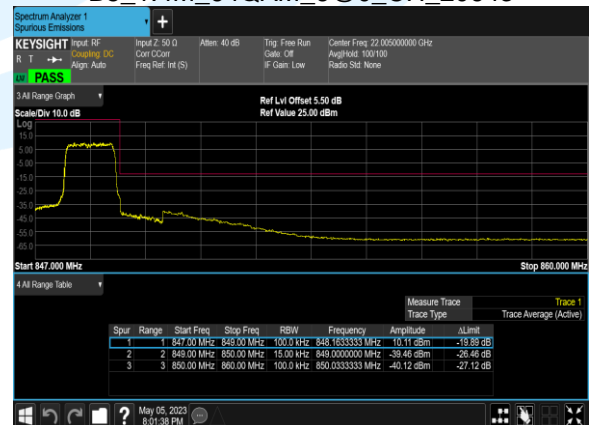
B5\_1.4M\_64QAM\_6@0\_CH\_20407



B5\_1.4M\_64QAM\_1@5\_CH\_20643



B5\_1.4M\_64QAM\_6@0\_CH\_20643



### A.4 LTE BAND 7

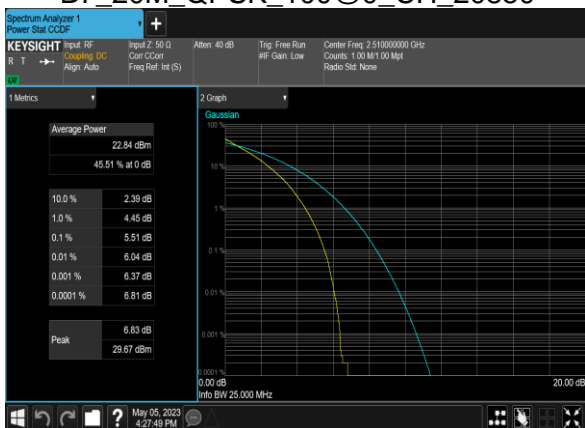
#### Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	20.0	20850	2510.0	QPSK	100@0	5.51	13	PASS
7	20.0	20850	2510.0	16QAM	100@0	6.28	13	PASS
7	20.0	21100	2535.0	QPSK	100@0	5.29	13	PASS
7	20.0	21100	2535.0	16QAM	100@0	6.13	13	PASS
7	20.0	21350	2560.0	QPSK	100@0	5.33	13	PASS
7	20.0	21350	2560.0	16QAM	100@0	6.15	13	PASS
7	15.0	20825	2507.5	QPSK	75@0	5.28	13	PASS
7	15.0	20825	2507.5	16QAM	75@0	6.14	13	PASS
7	15.0	21100	2535.0	QPSK	75@0	5.16	13	PASS
7	15.0	21100	2535.0	16QAM	75@0	6.05	13	PASS
7	15.0	21375	2562.5	QPSK	75@0	5.17	13	PASS
7	15.0	21375	2562.5	16QAM	75@0	6.06	13	PASS
7	10.0	20800	2505.0	QPSK	50@0	5.32	13	PASS
7	10.0	20800	2505.0	16QAM	50@0	6.13	13	PASS
7	10.0	21100	2535.0	QPSK	50@0	5.30	13	PASS
7	10.0	21100	2535.0	16QAM	50@0	6.08	13	PASS
7	10.0	21400	2565.0	QPSK	50@0	5.24	13	PASS
7	10.0	21400	2565.0	16QAM	50@0	6.07	13	PASS
7	5.0	20775	2502.5	QPSK	25@0	5.26	13	PASS
7	5.0	20775	2502.5	16QAM	25@0	6.07	13	PASS
7	5.0	21100	2535.0	QPSK	25@0	5.27	13	PASS
7	5.0	21100	2535.0	16QAM	25@0	6.03	13	PASS
7	5.0	21425	2567.5	QPSK	25@0	5.22	13	PASS
7	5.0	21425	2567.5	16QAM	25@0	5.92	13	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	20.0	20850	2510.0	64QAM	100@0	6.29	13	PASS
7	20.0	21100	2535.0	64QAM	100@0	6.13	13	PASS
7	20.0	21350	2560.0	64QAM	100@0	6.17	13	PASS
7	15.0	20825	2507.5	64QAM	75@0	6.15	13	PASS
7	15.0	21100	2535.0	64QAM	75@0	6.02	13	PASS
7	15.0	21375	2562.5	64QAM	75@0	6.05	13	PASS
7	10.0	20800	2505.0	64QAM	50@0	6.15	13	PASS
7	10.0	21100	2535.0	64QAM	50@0	6.10	13	PASS
7	10.0	21400	2565.0	64QAM	50@0	6.07	13	PASS
7	5.0	20775	2502.5	64QAM	25@0	6.08	13	PASS
7	5.0	21100	2535.0	64QAM	25@0	6.00	13	PASS
7	5.0	21425	2567.5	64QAM	25@0	5.99	13	PASS

## Test Graphs

B7\_20M\_QPSK\_100@0\_CH\_20850



B7\_20M\_16QAM\_100@0\_CH\_20850



B7\_20M\_QPSK\_100@0\_CH\_21100



B7\_20M\_16QAM\_100@0\_CH\_21100



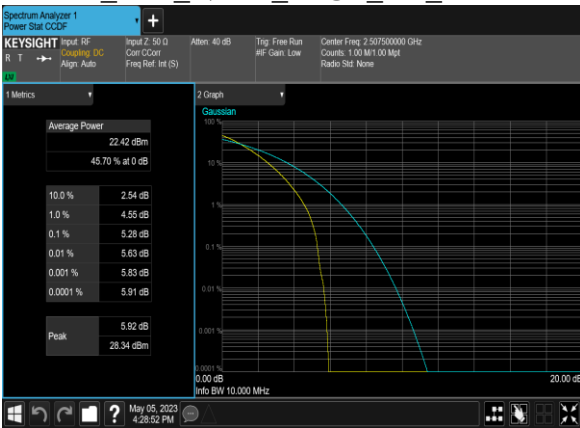
B7\_20M\_QPSK\_100@0\_CH\_21350



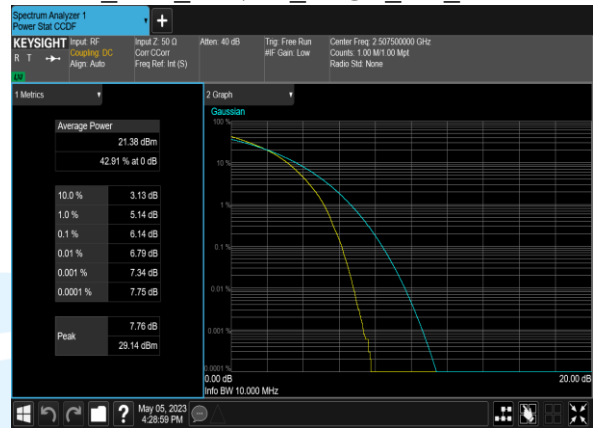
B7\_20M\_16QAM\_100@0\_CH\_21350



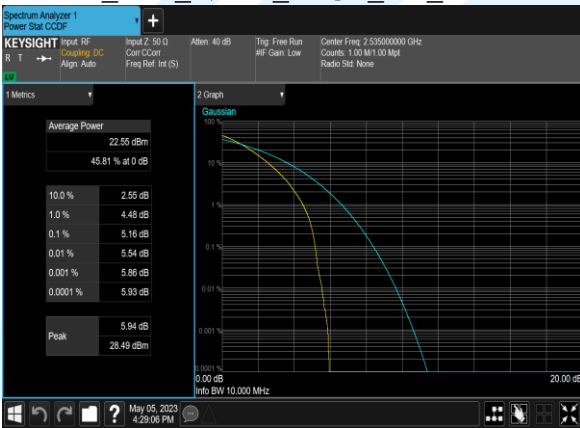
B7\_15M\_QPSK\_75@0\_CH\_20825



B7\_15M\_16QAM\_75@0\_CH\_20825



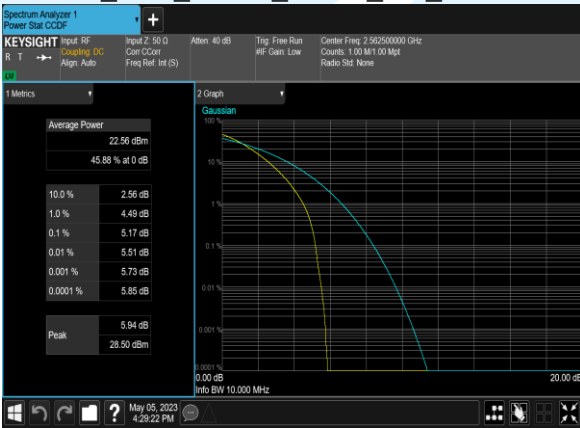
B7\_15M\_QPSK\_75@0\_CH\_21100



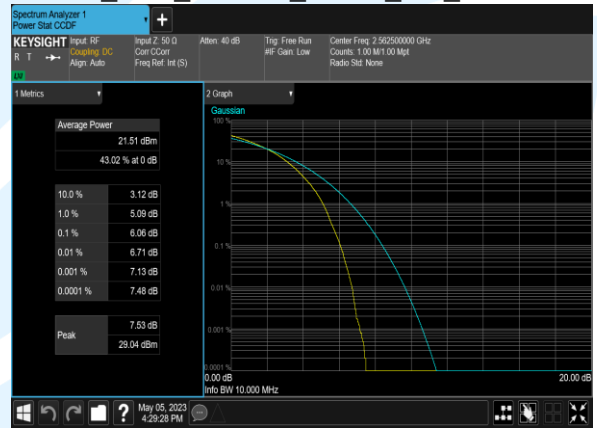
B7\_15M\_16QAM\_75@0\_CH\_21100



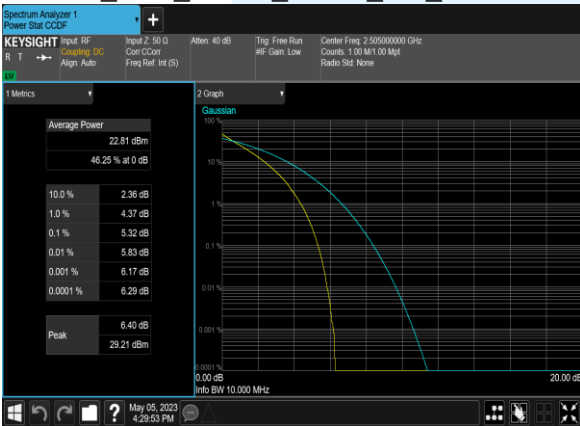
B7\_15M\_QPSK\_75@0\_CH\_21375



B7\_15M\_16QAM\_75@0\_CH\_21375



B7\_10M\_QPSK\_50@0\_CH\_20800



B7\_10M\_16QAM\_50@0\_CH\_20800

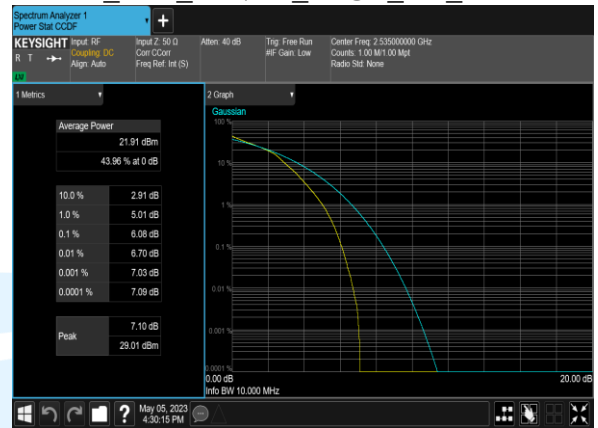




B7\_10M\_QPSK\_50@0\_CH\_21100



B7\_10M\_16QAM\_50@0\_CH\_21100



B7\_10M\_QPSK\_50@0\_CH\_21400



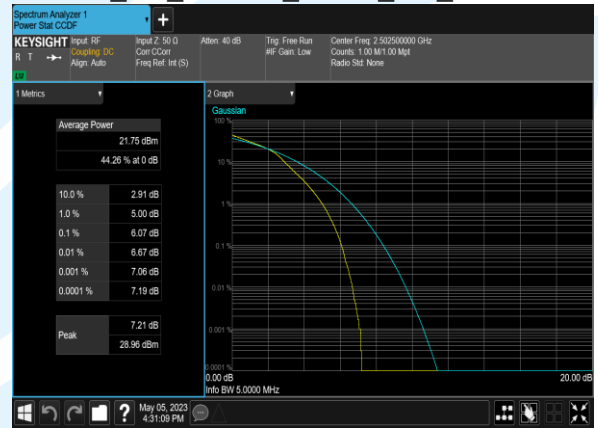
B7\_10M\_16QAM\_50@0\_CH\_21400



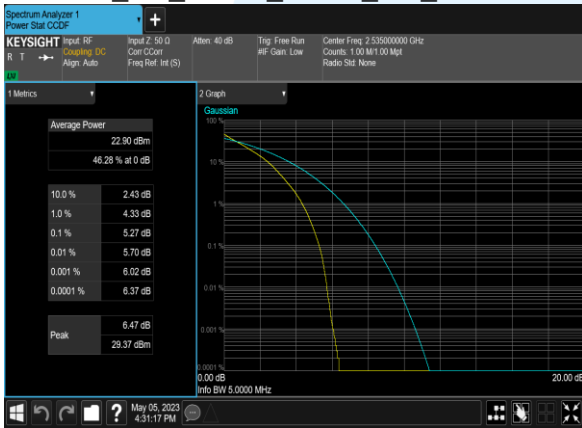
B7\_5M\_QPSK\_25@0\_CH\_20775



B7\_5M\_16QAM\_25@0\_CH\_20775



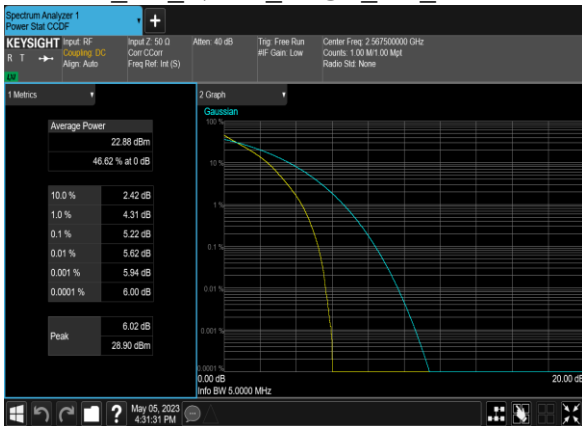
B7\_5M\_QPSK\_25@0\_CH\_21100



B7\_5M\_16QAM\_25@0\_CH\_21100



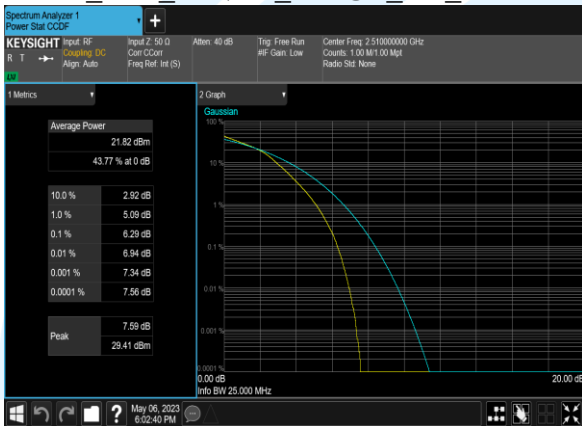
B7\_5M\_QPSK\_25@0\_CH\_21425



B7\_5M\_16QAM\_25@0\_CH\_21425



B7\_20M\_64QAM\_100@0\_CH\_20850



B7\_20M\_64QAM\_100@0\_CH\_21100



B7\_20M\_64QAM\_100@0\_CH\_21350



B7\_15M\_64QAM\_75@0\_CH\_20825



B7\_15M\_64QAM\_75@0\_CH\_21100



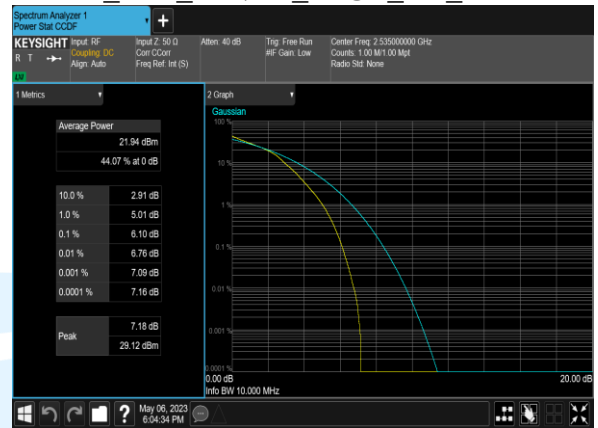
B7\_15M\_64QAM\_75@0\_CH\_21375



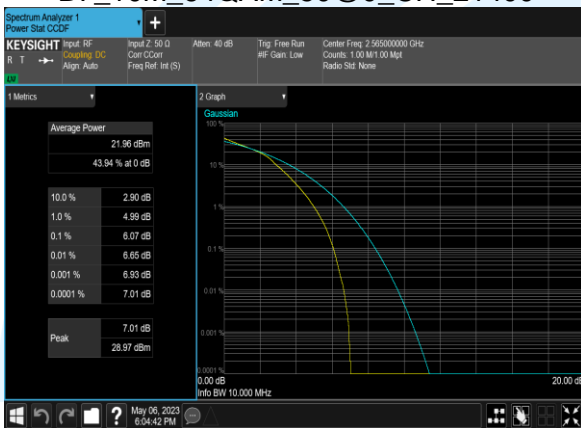
B7\_10M\_64QAM\_50@0\_CH\_20800



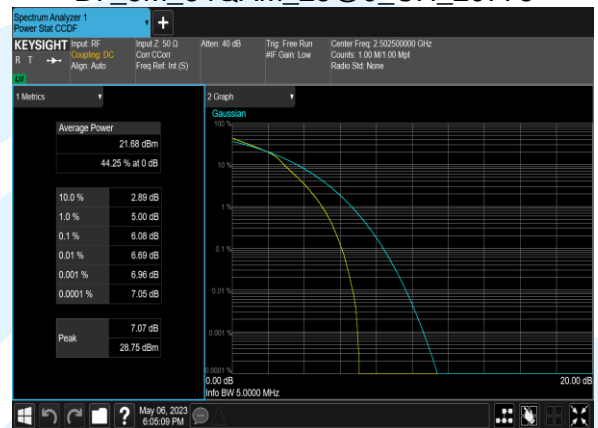
B7\_10M\_64QAM\_50@0\_CH\_21100



B7\_10M\_64QAM\_50@0\_CH\_21400



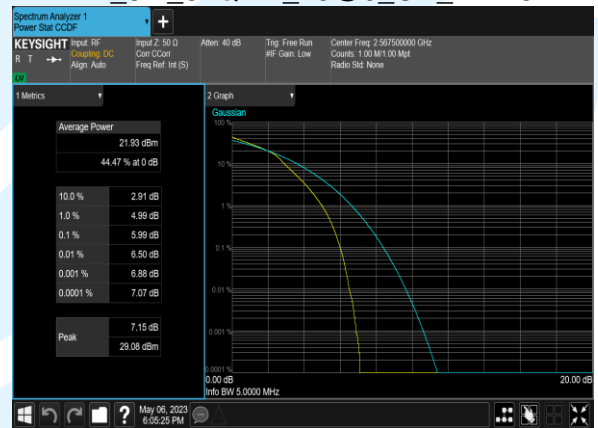
B7\_5M\_64QAM\_25@0\_CH\_20775



B7\_5M\_64QAM\_25@0\_CH\_21100



B7\_5M\_64QAM\_25@0\_CH\_21425



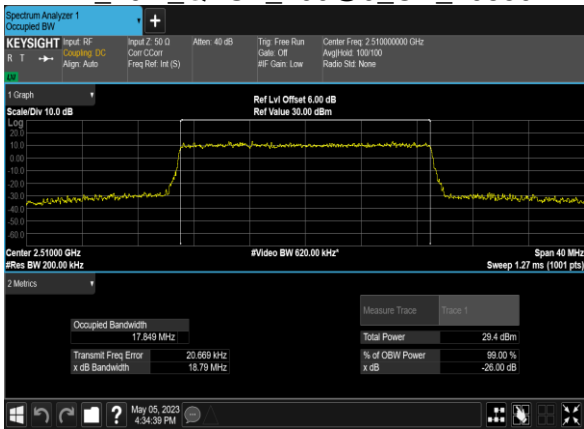
**Occupied Bandwidth**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	20.0	20850	2510.0	QPSK	100@0	17.849	18.79
7	20.0	20850	2510.0	16QAM	100@0	17.845	18.81
7	20.0	21100	2535.0	QPSK	100@0	17.849	18.74
7	20.0	21100	2535.0	16QAM	100@0	17.847	18.90
7	20.0	21350	2560.0	QPSK	100@0	17.824	18.89
7	20.0	21350	2560.0	16QAM	100@0	17.829	18.96
7	15.0	20825	2507.5	QPSK	75@0	13.415	14.11
7	15.0	20825	2507.5	16QAM	75@0	13.424	14.20
7	15.0	21100	2535.0	QPSK	75@0	13.415	14.25
7	15.0	21100	2535.0	16QAM	75@0	13.400	14.04
7	15.0	21375	2562.5	QPSK	75@0	13.379	14.19
7	15.0	21375	2562.5	16QAM	75@0	13.399	14.17
7	10.0	20800	2505.0	QPSK	50@0	8.9139	9.441
7	10.0	20800	2505.0	16QAM	50@0	8.9395	9.481
7	10.0	21100	2535.0	QPSK	50@0	8.9425	9.601
7	10.0	21100	2535.0	16QAM	50@0	8.9345	9.459
7	10.0	21400	2565.0	QPSK	50@0	8.9196	9.450
7	10.0	21400	2565.0	16QAM	50@0	8.9387	9.378
7	5.0	20775	2502.5	QPSK	25@0	4.4624	4.792
7	5.0	20775	2502.5	16QAM	25@0	4.4640	4.843
7	5.0	21100	2535.0	QPSK	25@0	4.4701	4.834
7	5.0	21100	2535.0	16QAM	25@0	4.4636	4.747
7	5.0	21425	2567.5	QPSK	25@0	4.4556	4.791
7	5.0	21425	2567.5	16QAM	25@0	4.4607	4.802

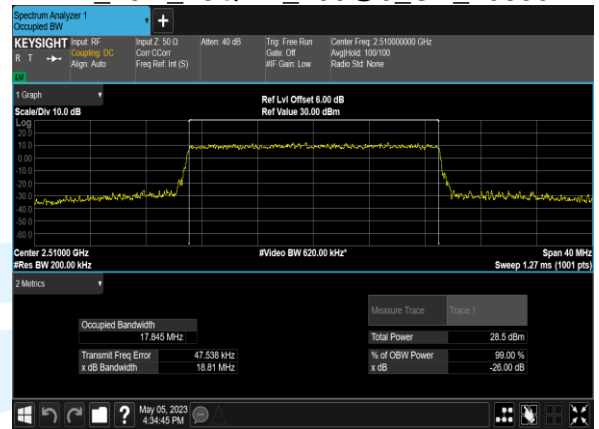
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	20.0	20850	2510.0	64QAM	100@0	17.854	18.79
7	20.0	21100	2535.0	64QAM	100@0	17.787	18.88
7	20.0	21350	2560.0	64QAM	100@0	17.840	18.86
7	15.0	20825	2507.5	64QAM	75@0	13.400	14.13
7	15.0	21100	2535.0	64QAM	75@0	13.390	14.20
7	15.0	21375	2562.5	64QAM	75@0	13.384	14.17
7	10.0	20800	2505.0	64QAM	50@0	8.9336	9.440
7	10.0	21100	2535.0	64QAM	50@0	8.9405	9.483
7	10.0	21400	2565.0	64QAM	50@0	8.9298	9.460
7	5.0	20775	2502.5	64QAM	25@0	4.4557	4.792
7	5.0	21100	2535.0	64QAM	25@0	4.4646	4.776
7	5.0	21425	2567.5	64QAM	25@0	4.4582	4.839

## Test Graphs

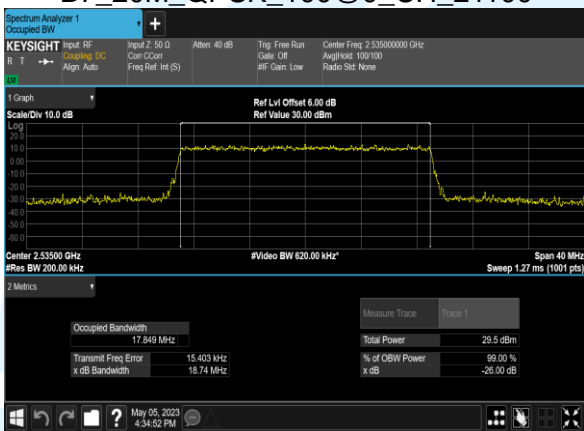
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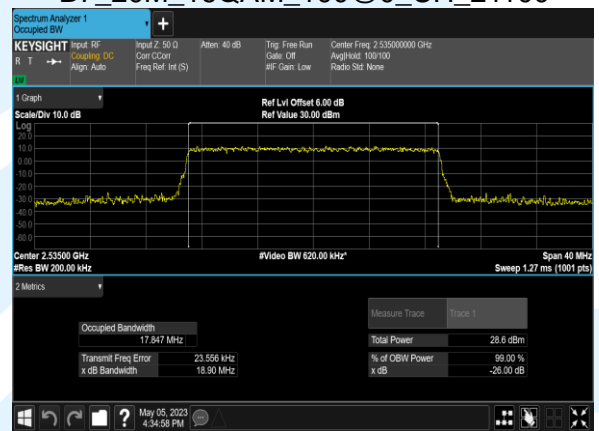
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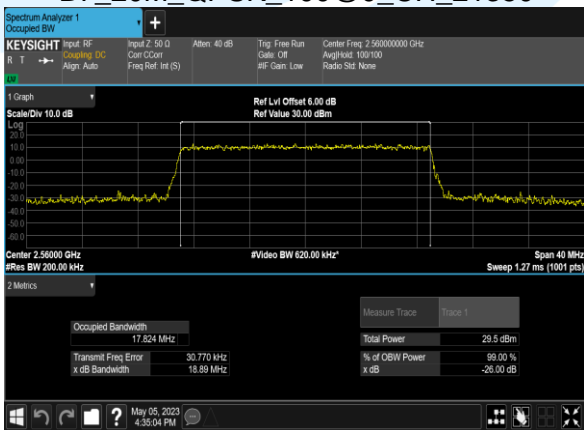
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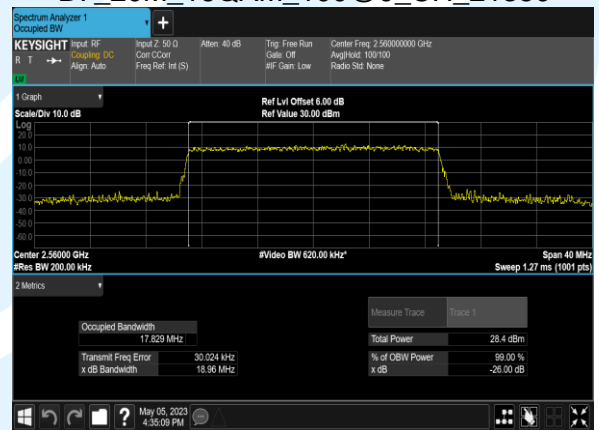
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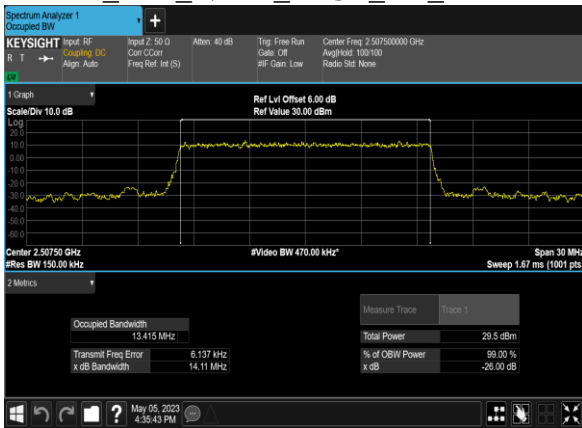
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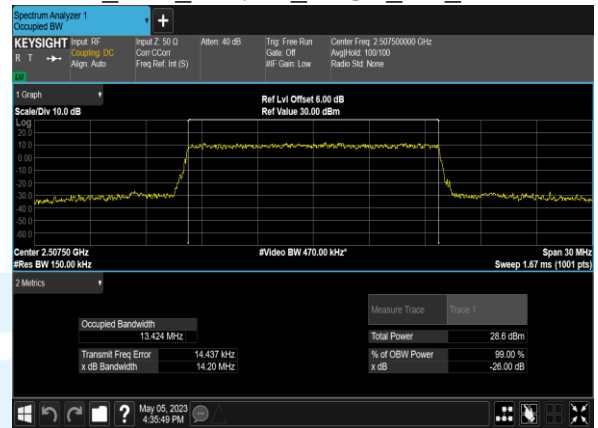
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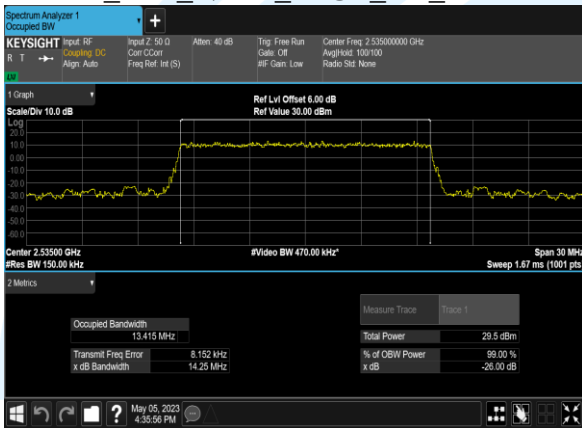
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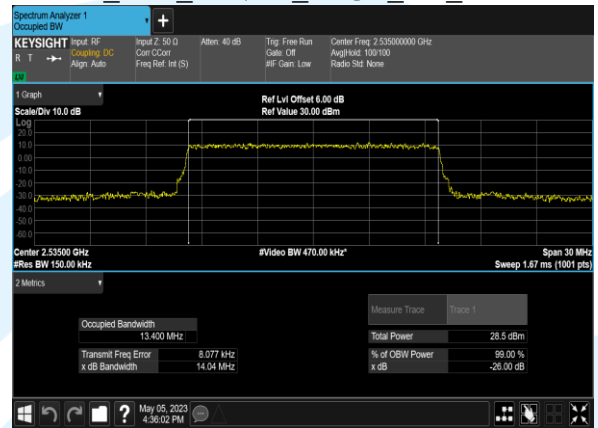
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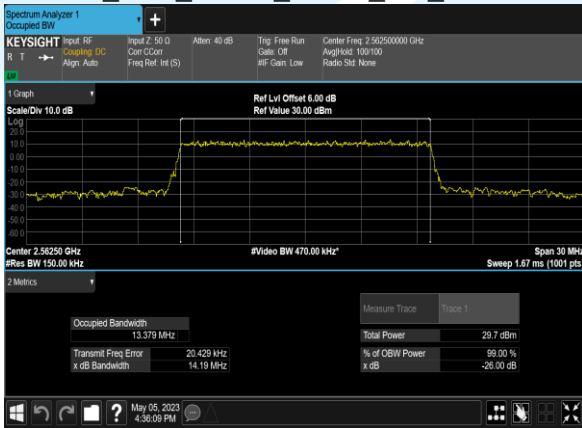
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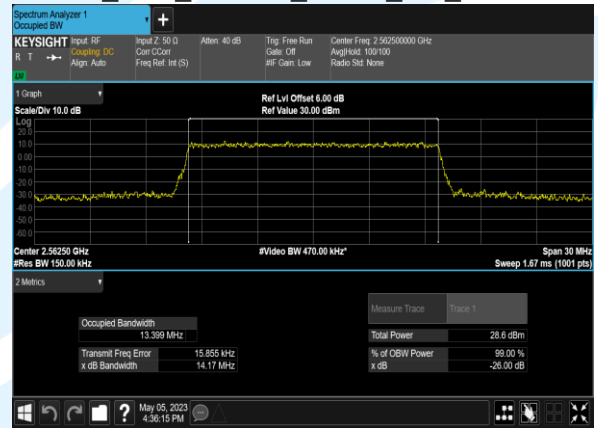
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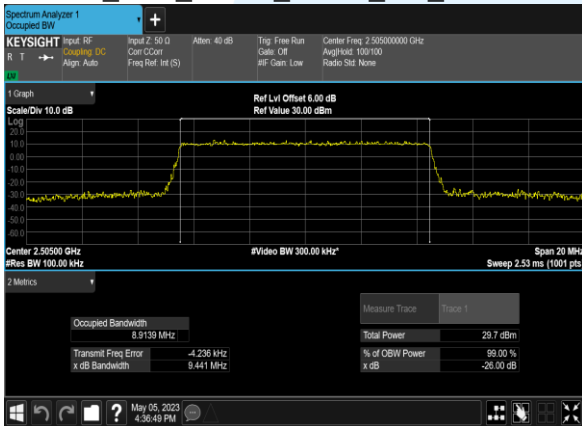
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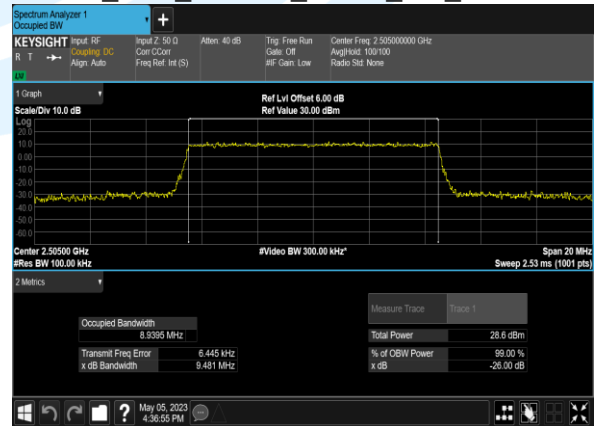
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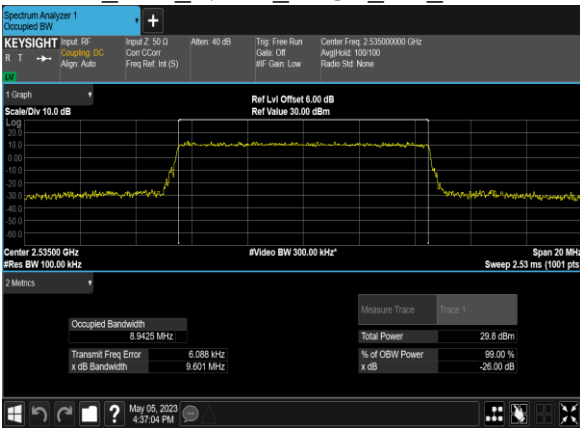
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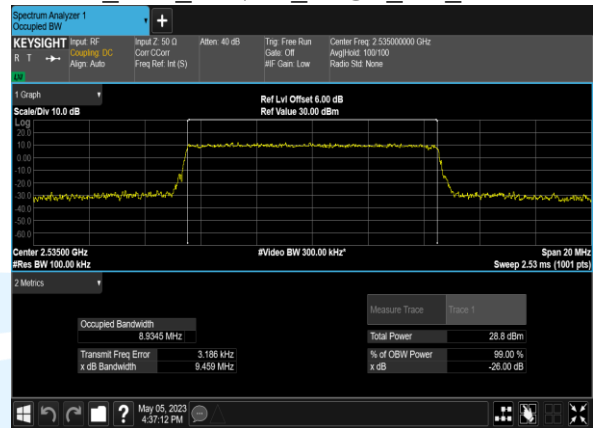
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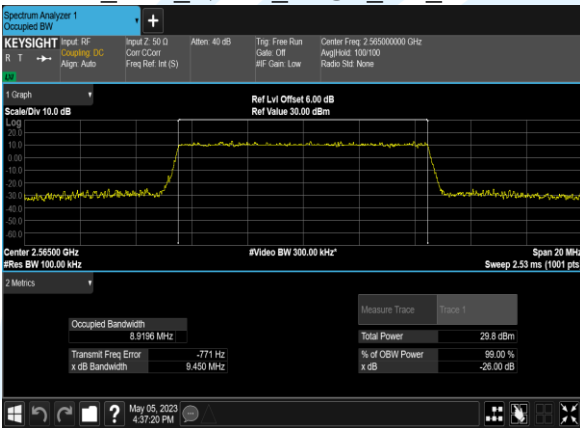
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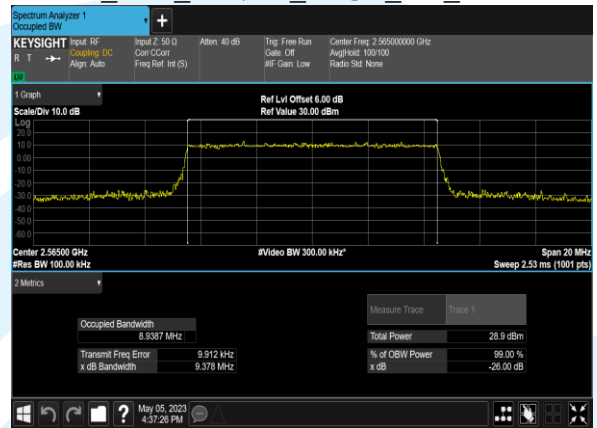
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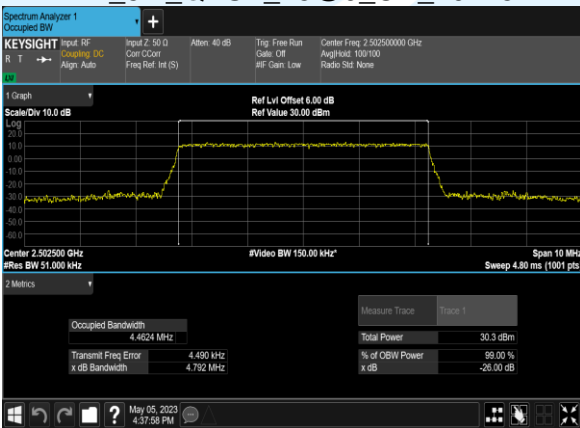
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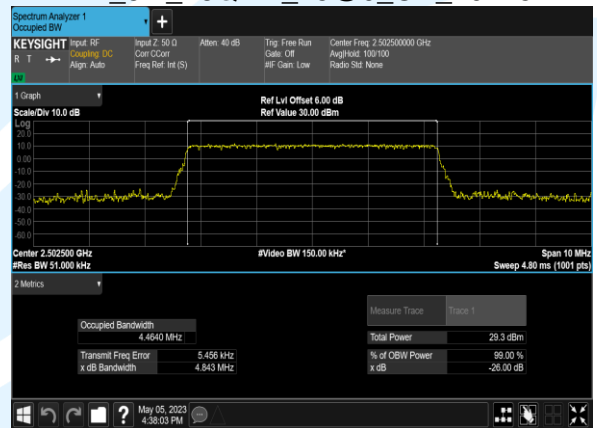
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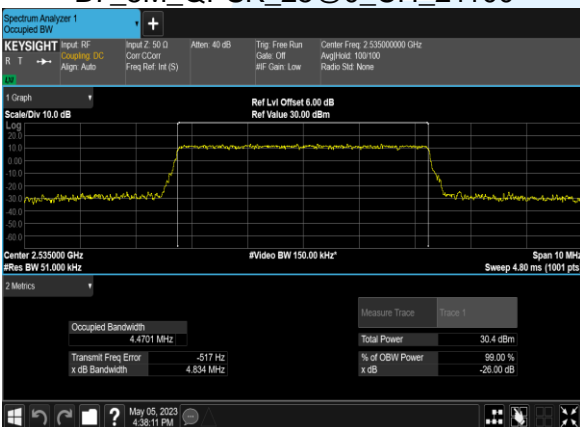
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### B7\_5M\_QPSK\_25@0\_CH\_21100



### B7\_5M\_16QAM\_25@0\_CH\_21100

