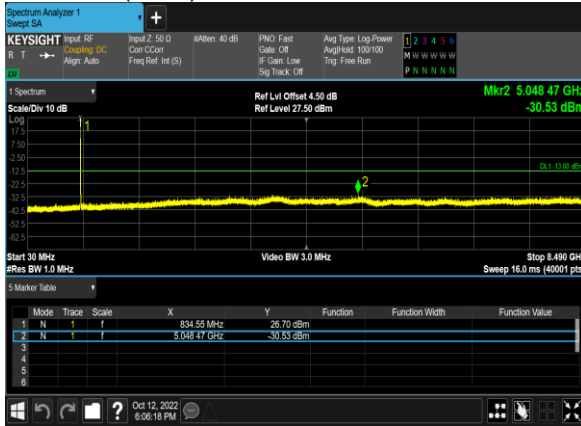
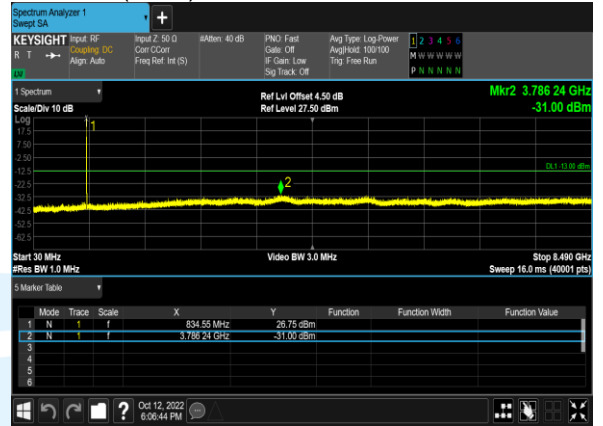


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B5(5.0M)\_16QAM\_1@0\_20525\_CH



B5(5.0M)\_QPSK\_1@0\_20625\_CH



B5(5.0M)\_16QAM\_1@0\_20625\_CH



B5(3.0M)\_QPSK\_1@0\_20415\_CH



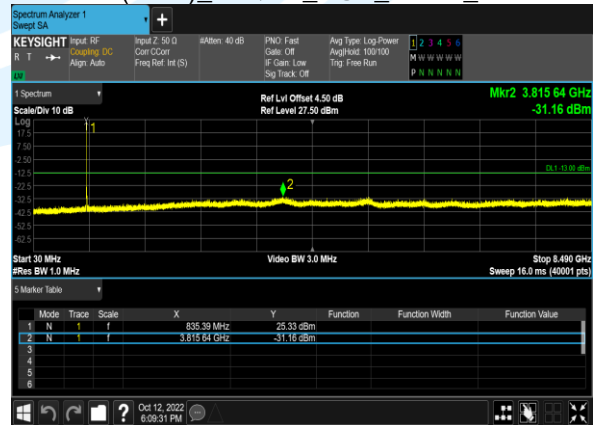
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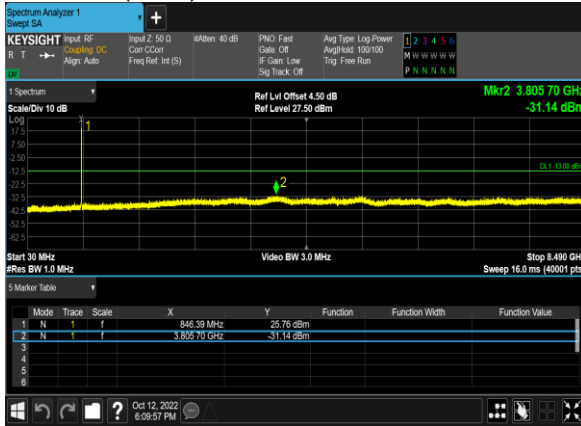
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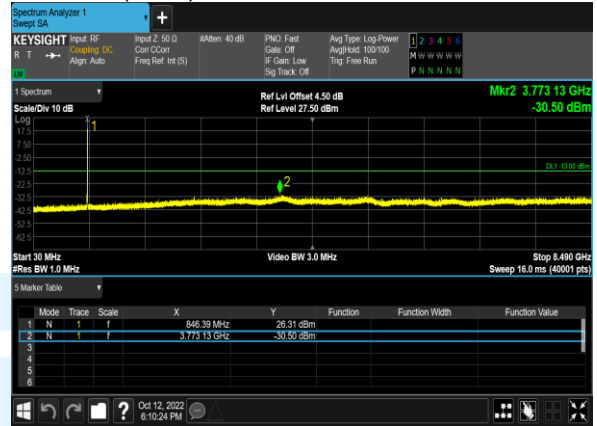
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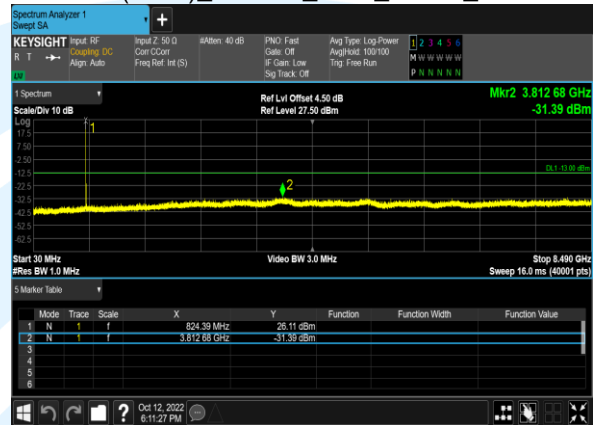
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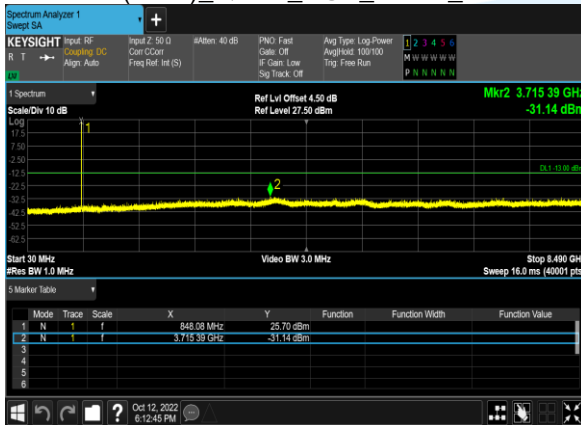
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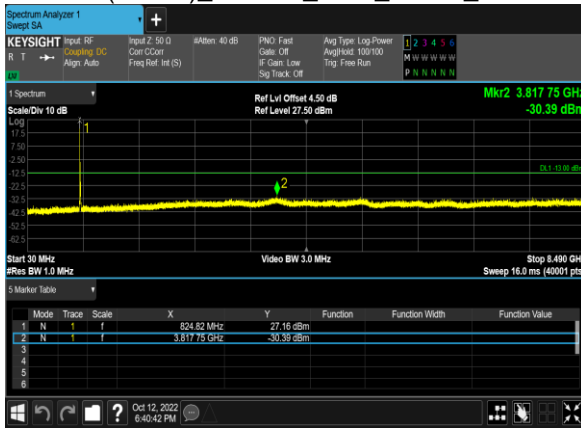
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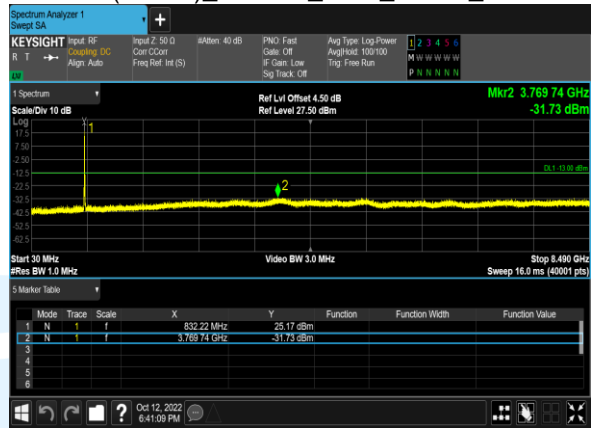
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B5(10.0M)\_64QAM\_1@0\_20450\_CH



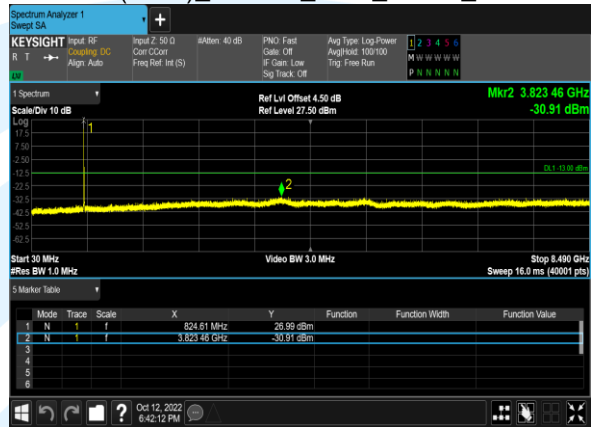
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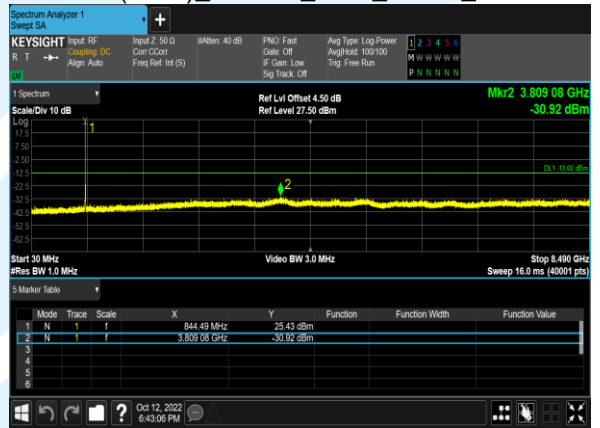
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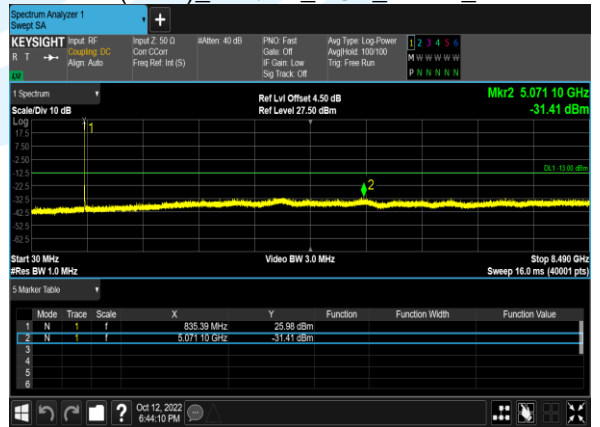
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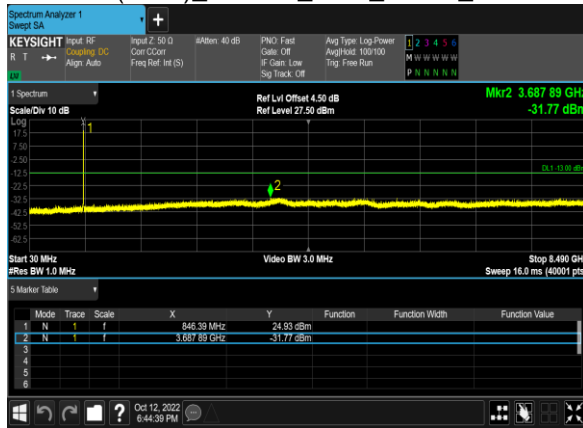
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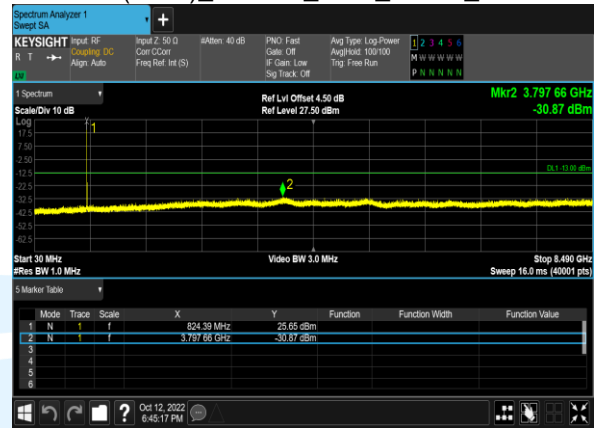
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B5(3.0M)\_64QAM\_1@0\_20635\_CH



B5(1.4M)\_64QAM\_1@0\_20407\_CH



B5(1.4M)\_64QAM\_1@0\_20525\_CH



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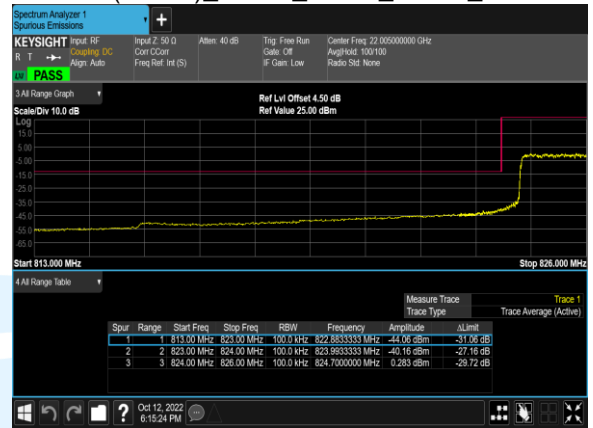
**Conducted Band Edge**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
5	10.0	20450	829.0	QPSK	1@0	see graph	PASS
5	10.0	20450	829.0	QPSK	50@0	see graph	PASS
5	10.0	20450	829.0	16QAM	1@0	see graph	PASS
5	10.0	20450	829.0	16QAM	50@0	see graph	PASS
5	10.0	20450	829.0	64QAM	1@0	see graph	PASS
5	10.0	20450	829.0	64QAM	50@0	see graph	PASS
5	10.0	20600	844.0	QPSK	1@49	see graph	PASS
5	10.0	20600	844.0	QPSK	50@0	see graph	PASS
5	10.0	20600	844.0	16QAM	1@49	see graph	PASS
5	10.0	20600	844.0	16QAM	50@0	see graph	PASS
5	10.0	20600	844.0	64QAM	1@49	see graph	PASS
5	10.0	20600	844.0	64QAM	50@0	see graph	PASS
5	5.0	20425	826.5	QPSK	1@0	see graph	PASS
5	5.0	20425	826.5	QPSK	25@0	see graph	PASS
5	5.0	20425	826.5	16QAM	1@0	see graph	PASS
5	5.0	20425	826.5	16QAM	25@0	see graph	PASS
5	5.0	20425	826.5	64QAM	1@0	see graph	PASS
5	5.0	20425	826.5	64QAM	25@0	see graph	PASS
5	5.0	20625	846.5	QPSK	1@24	see graph	PASS
5	5.0	20625	846.5	QPSK	25@0	see graph	PASS
5	5.0	20625	846.5	16QAM	1@24	see graph	PASS
5	5.0	20625	846.5	16QAM	25@0	see graph	PASS
5	5.0	20625	846.5	64QAM	1@24	see graph	PASS
5	5.0	20625	846.5	64QAM	25@0	see graph	PASS
5	3.0	20415	825.5	QPSK	1@0	see graph	PASS
5	3.0	20415	825.5	QPSK	15@0	see graph	PASS
5	3.0	20415	825.5	16QAM	1@0	see graph	PASS
5	3.0	20415	825.5	16QAM	15@0	see graph	PASS
5	3.0	20415	825.5	64QAM	1@0	see graph	PASS
5	3.0	20415	825.5	64QAM	15@0	see graph	PASS
5	3.0	20635	847.5	QPSK	1@14	see graph	PASS
5	3.0	20635	847.5	QPSK	15@0	see graph	PASS
5	3.0	20635	847.5	16QAM	1@14	see graph	PASS
5	3.0	20635	847.5	16QAM	15@0	see graph	PASS
5	3.0	20635	847.5	64QAM	1@14	see graph	PASS
5	3.0	20635	847.5	64QAM	15@0	see graph	PASS
5	1.4	20407	824.7	QPSK	1@0	see graph	PASS
5	1.4	20407	824.7	QPSK	6@0	see graph	PASS
5	1.4	20407	824.7	16QAM	1@0	see graph	PASS
5	1.4	20407	824.7	16QAM	6@0	see graph	PASS
5	1.4	20407	824.7	64QAM	1@0	see graph	PASS
5	1.4	20407	824.7	64QAM	6@0	see graph	PASS
5	1.4	20643	848.3	QPSK	1@5	see graph	PASS
5	1.4	20643	848.3	QPSK	6@0	see graph	PASS
5	1.4	20643	848.3	16QAM	1@5	see graph	PASS
5	1.4	20643	848.3	16QAM	6@0	see graph	PASS
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5	1.4	20643	848.3	64QAM	6@0	see graph	PASS

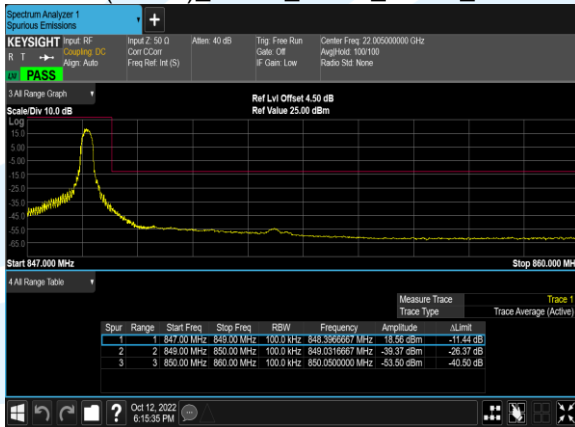
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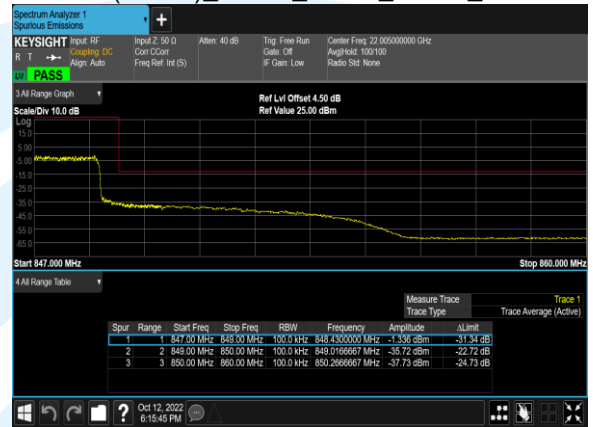
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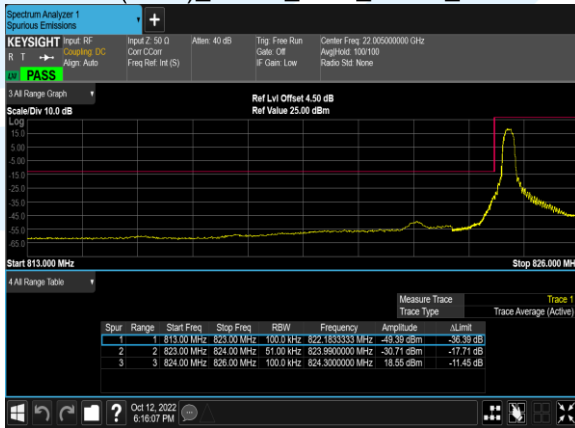
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B5(10.0M)\_QPSK\_50@0\_20600\_CH



B5(5.0M)\_QPSK\_1@0\_20425\_CH



B5(5.0M)\_QPSK\_25@0\_20425\_CH



B5(5.0M)\_QPSK\_1@24\_20625\_CH



B5(5.0M)\_QPSK\_25@0\_20625\_CH



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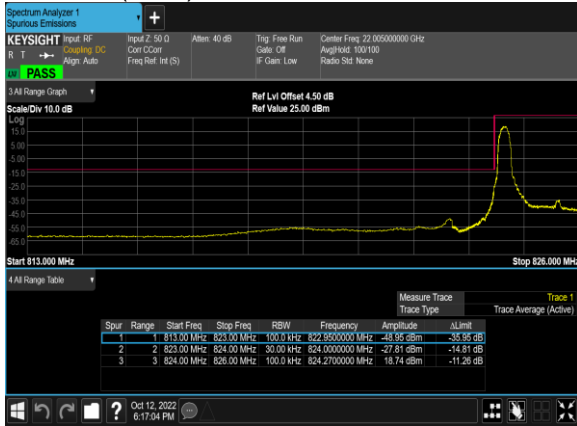
Fax: +86-755-28230886

E-mail: info@uttlab.com

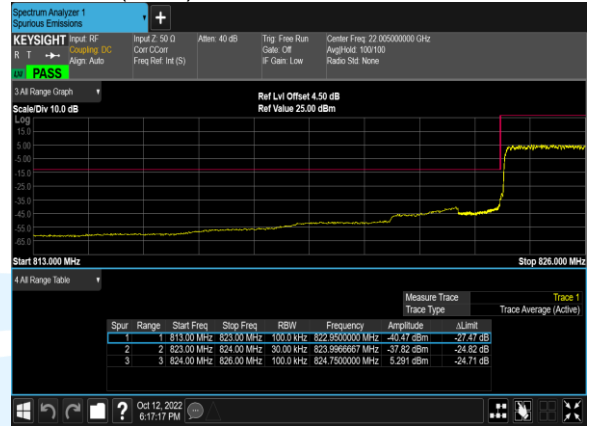
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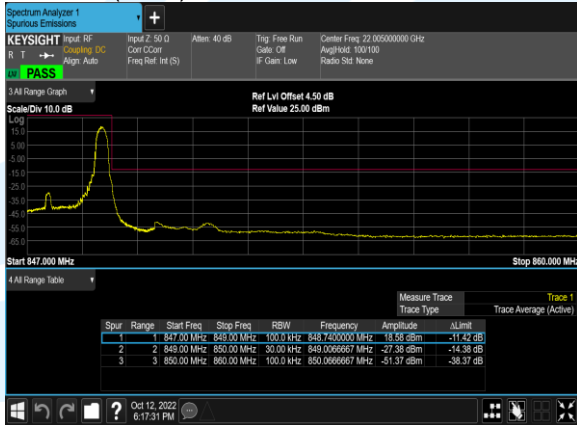
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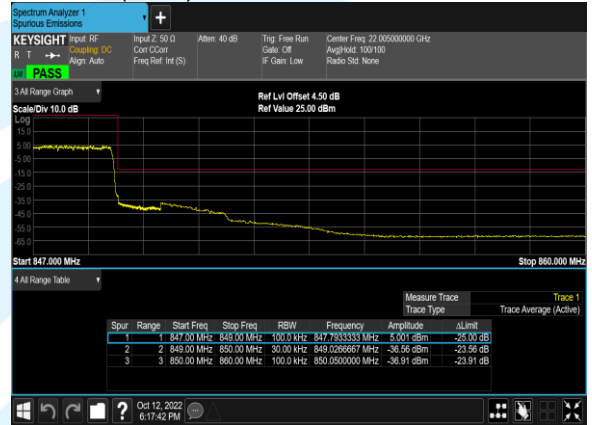
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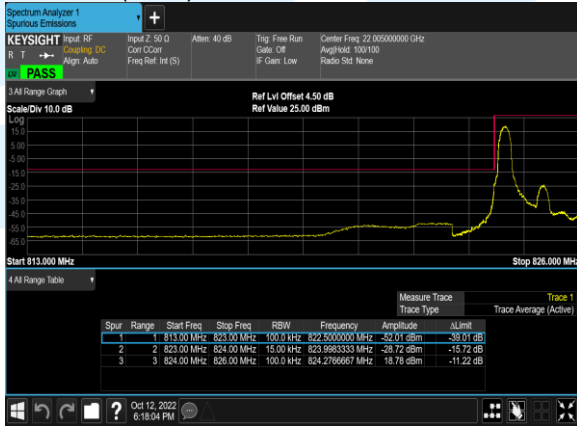
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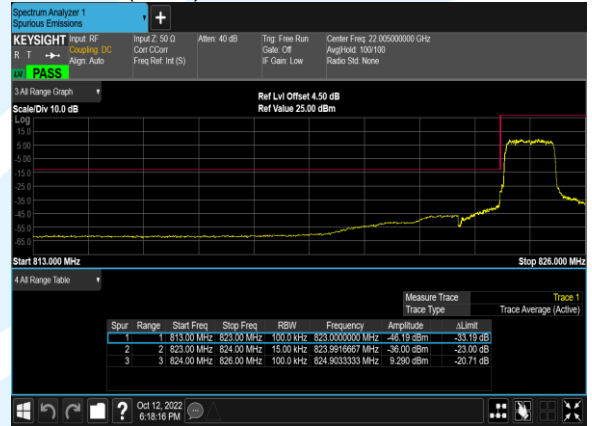
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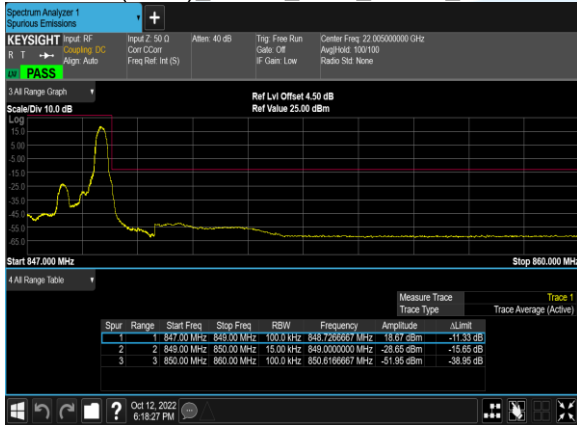
B5(1.4M)\_QPSK\_1@0\_20407\_CH



B5(1.4M)\_QPSK\_6@0\_20407\_CH



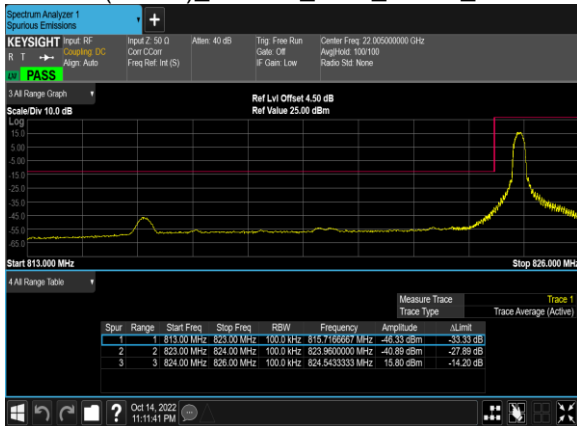
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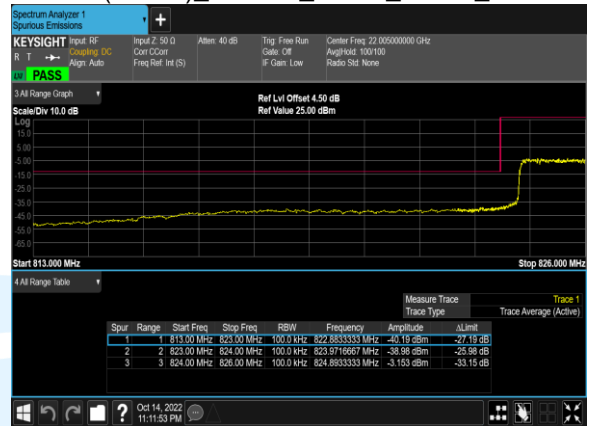
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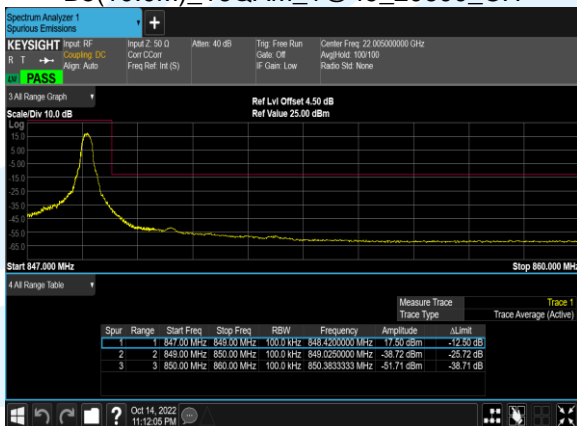
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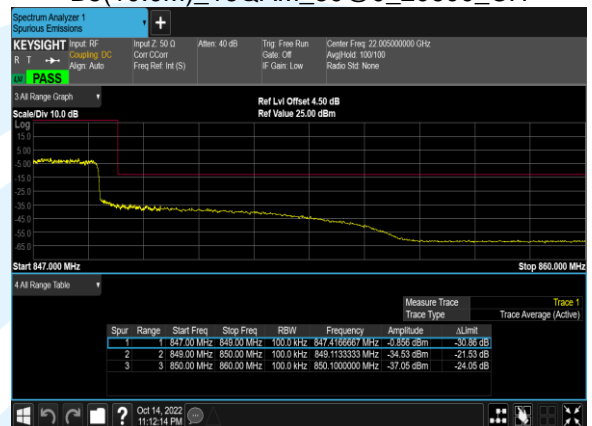
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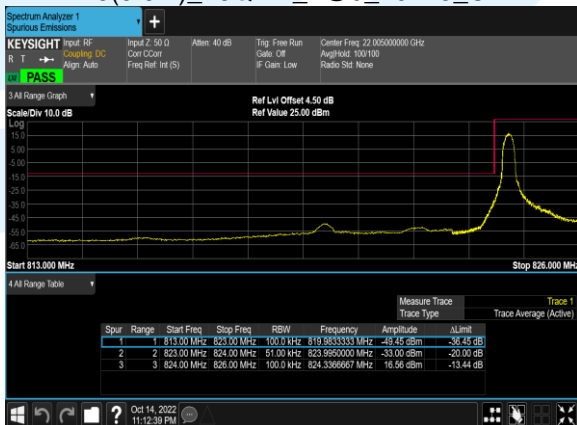
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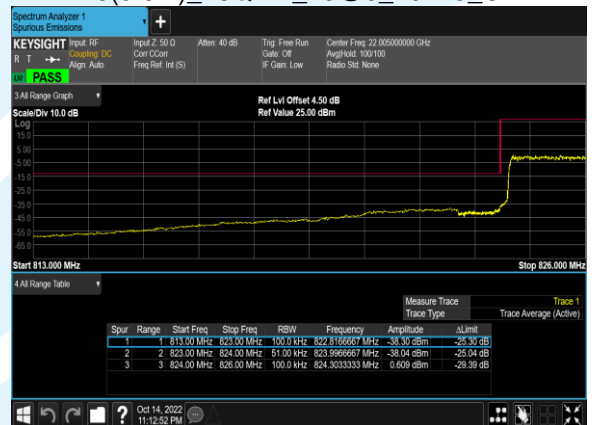
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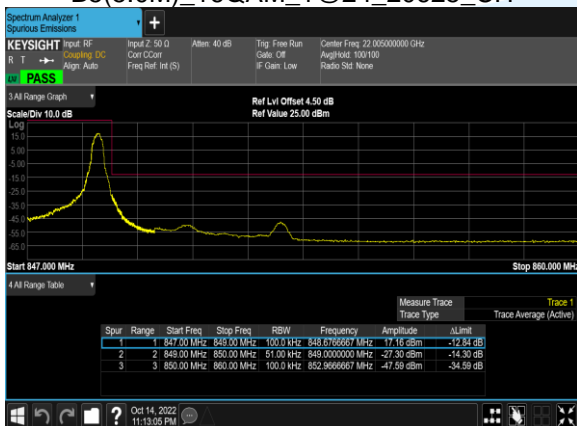
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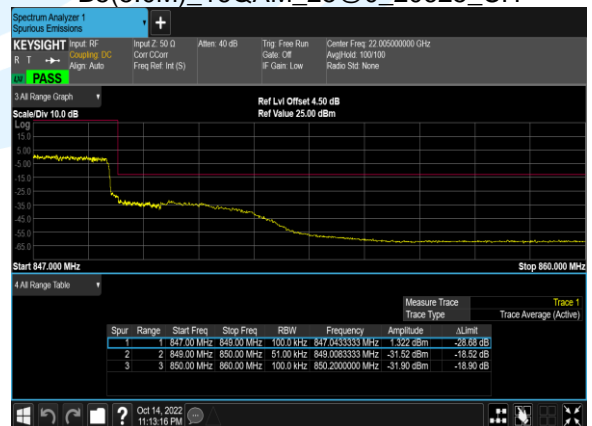
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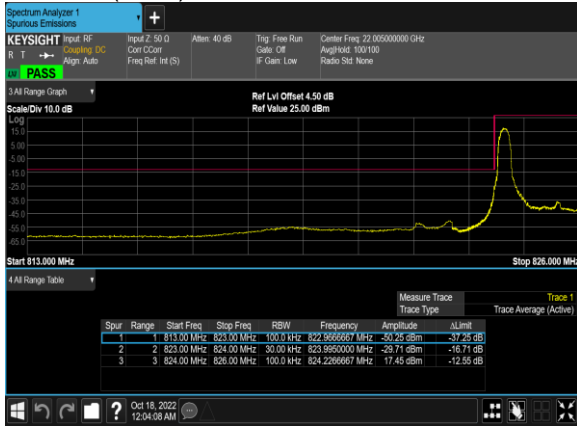


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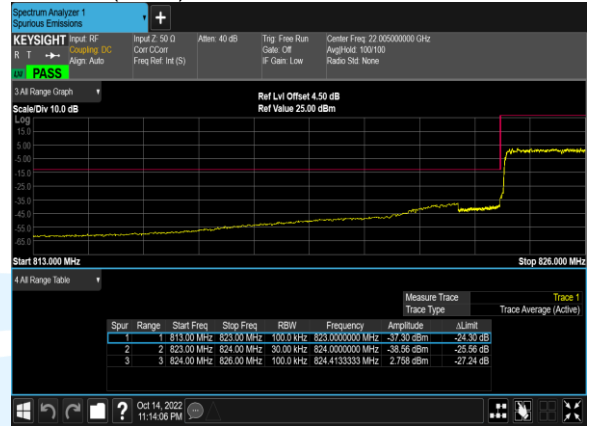




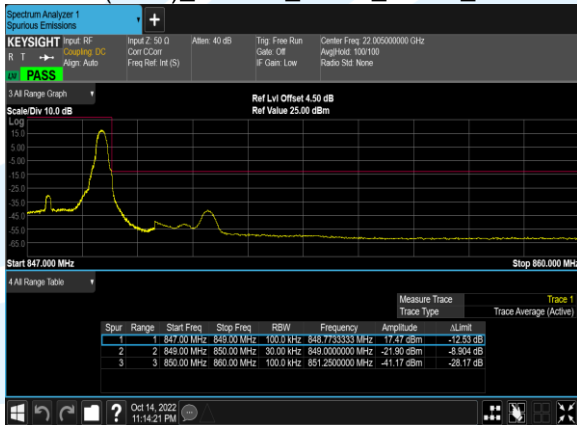
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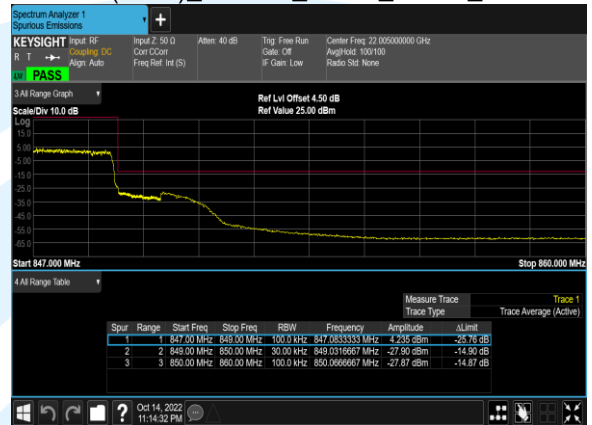
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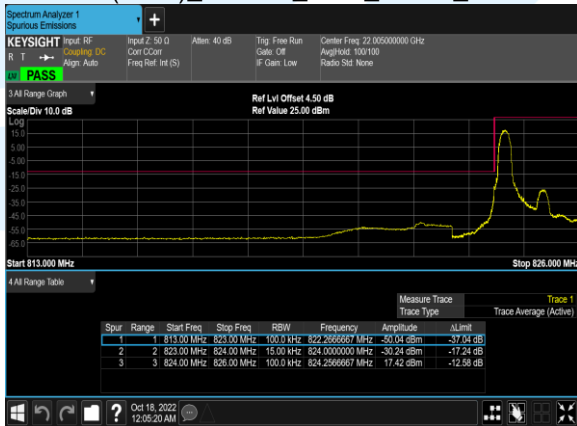
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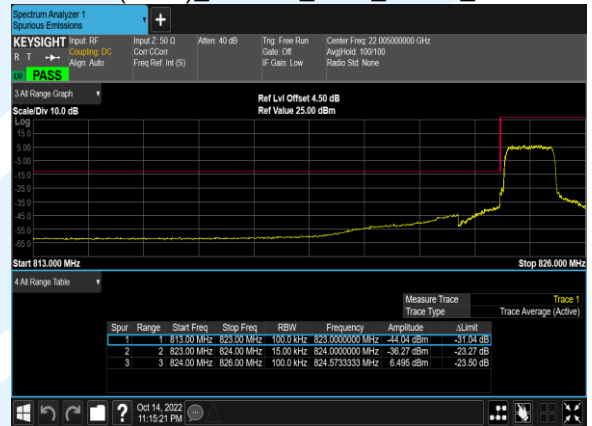
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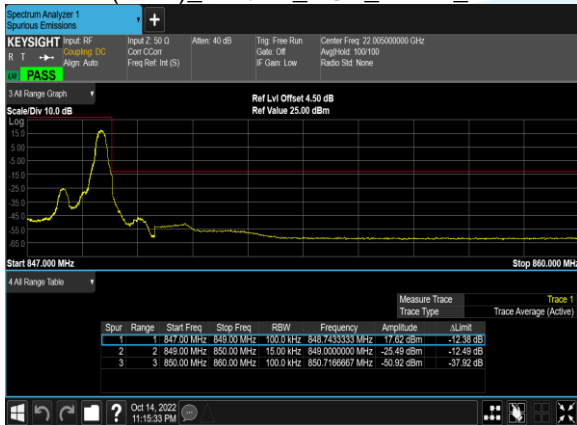
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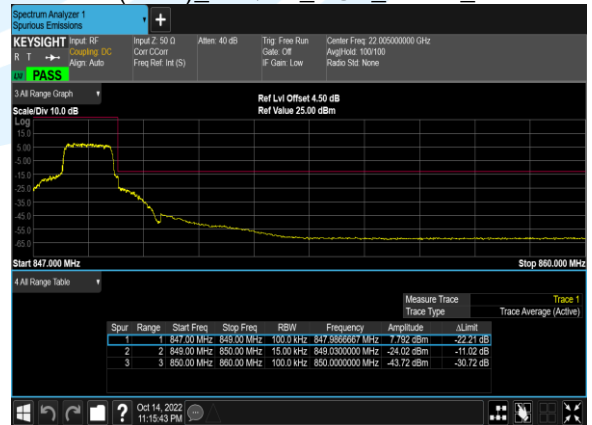
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B5(1.4M)\_16QAM\_1@5\_20643\_CH



B5(1.4M)\_16QAM\_6@0\_20643\_CH



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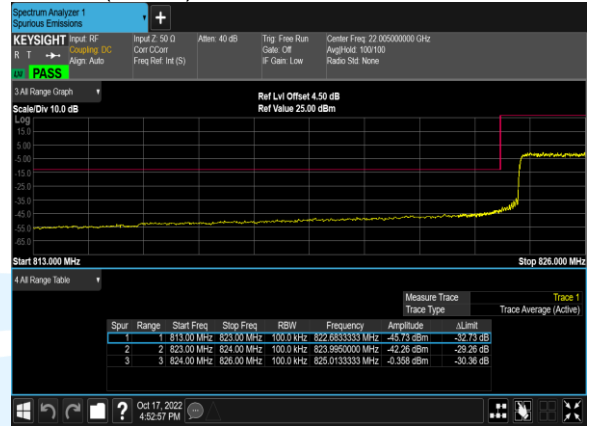
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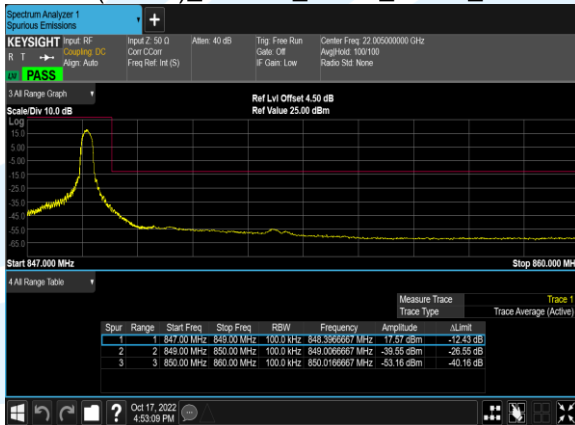
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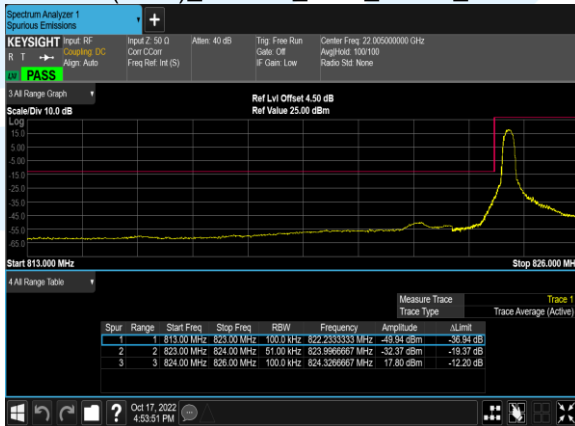
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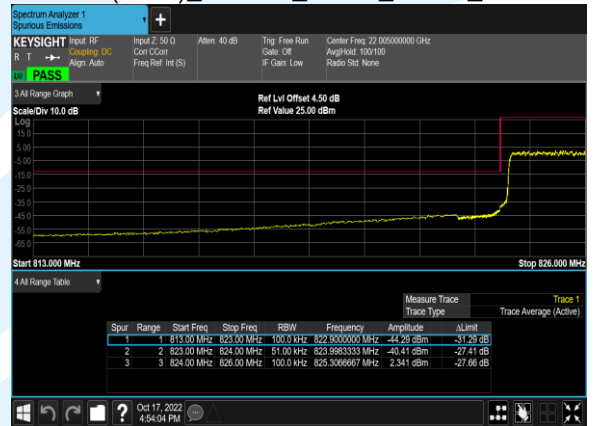
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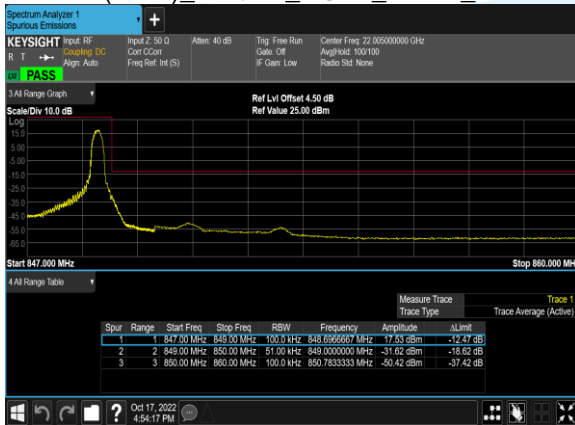
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B5(5.0M)\_64QAM\_25@0\_20425\_CH



B5(5.0M)\_64QAM\_1@24\_20625\_CH



B5(5.0M)\_64QAM\_25@0\_20625\_CH



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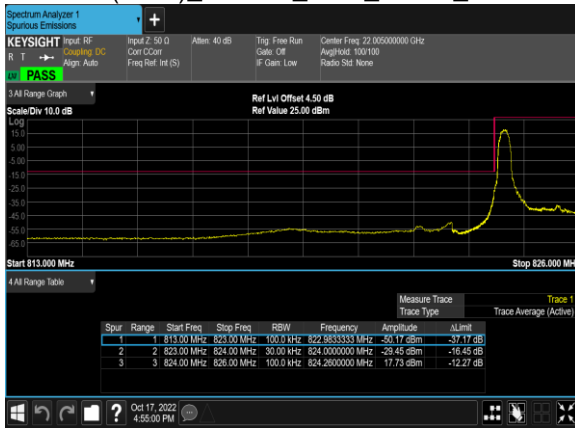
Fax: +86-755-28230886

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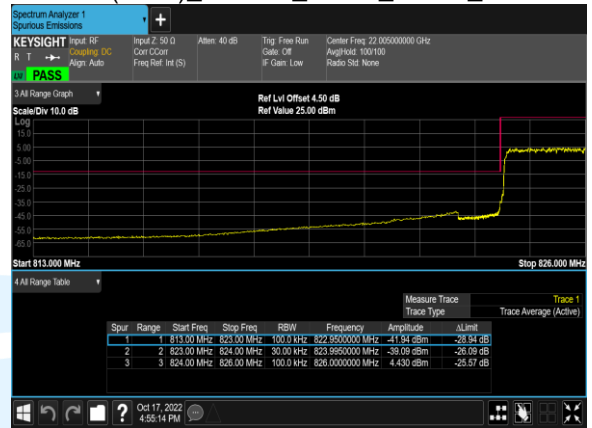
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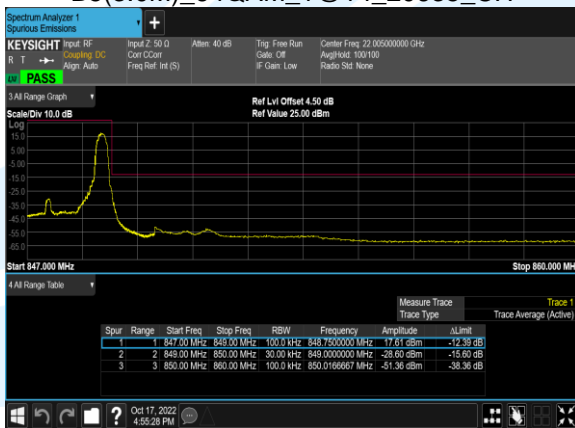
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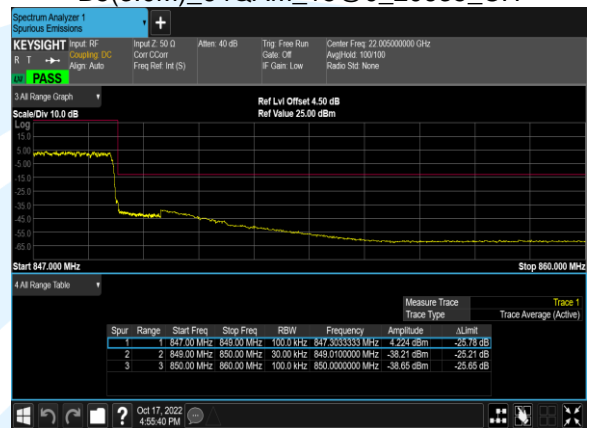
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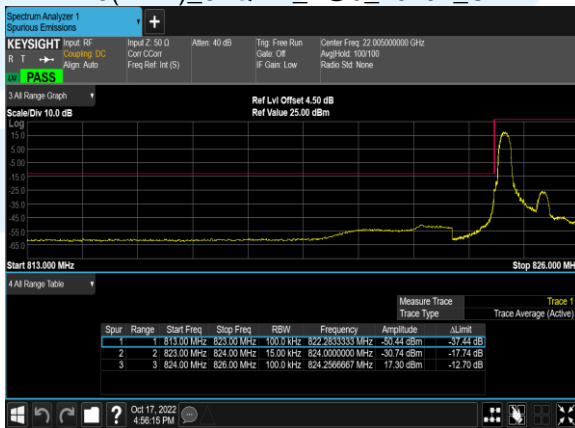
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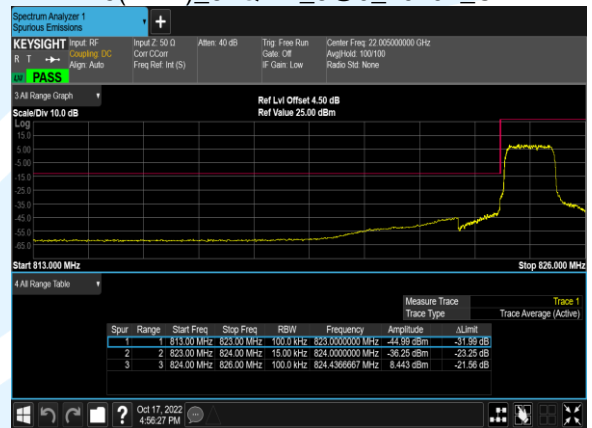
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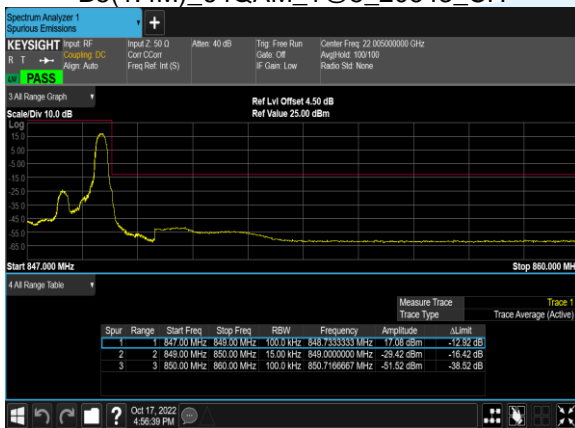
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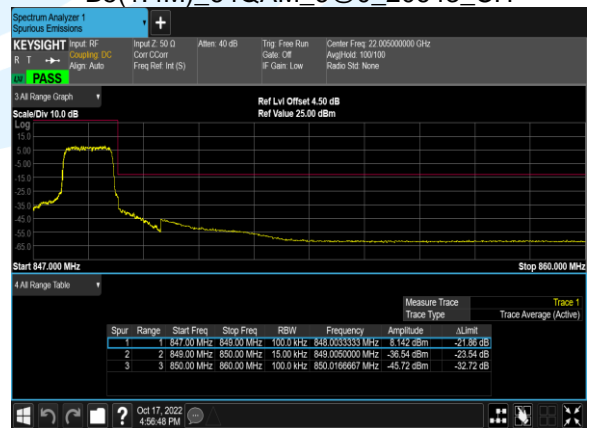
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B5(1.4M)\_64QAM\_1@5\_20643\_CH



B5(1.4M)\_64QAM\_6@0\_20643\_CH



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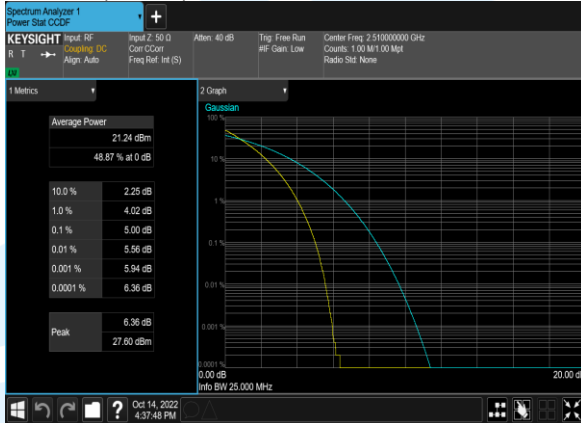
UTTR-RF-FCC4G-V1.1

## A.4 LTE BAND 7

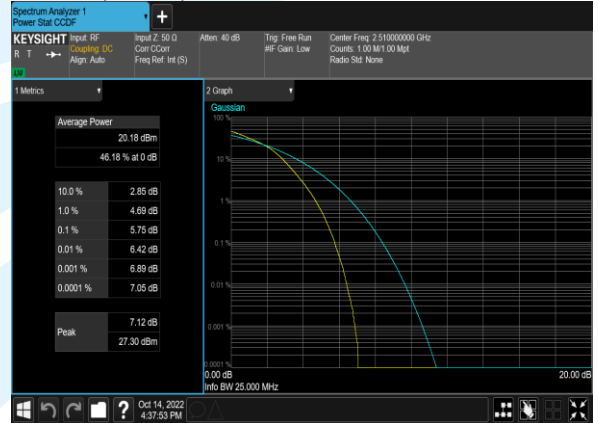
### Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
7	20.0	20850	2510.0	QPSK	100@0	5.00	13	PASS
7	20.0	20850	2510.0	16QAM	100@0	5.75	13	PASS
7	20.0	20850	2510.0	64QAM	100@0	5.78	13	PASS
7	20.0	21100	2535.0	QPSK	100@0	5.17	13	PASS
7	20.0	21100	2535.0	16QAM	100@0	5.90	13	PASS
7	20.0	21100	2535.0	64QAM	100@0	5.88	13	PASS
7	20.0	21350	2560.0	QPSK	100@0	5.26	13	PASS
7	20.0	21350	2560.0	16QAM	100@0	6.06	13	PASS
7	20.0	21350	2560.0	64QAM	100@0	6.01	13	PASS

B7(20.0M)\_QPSK\_100@0\_20850\_CH



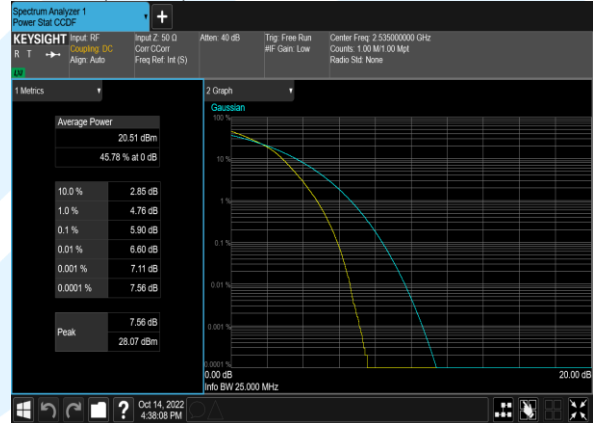
B7(20.0M)\_16QAM\_100@0\_20850\_CH



B7(20.0M)\_QPSK\_100@0\_21100\_CH



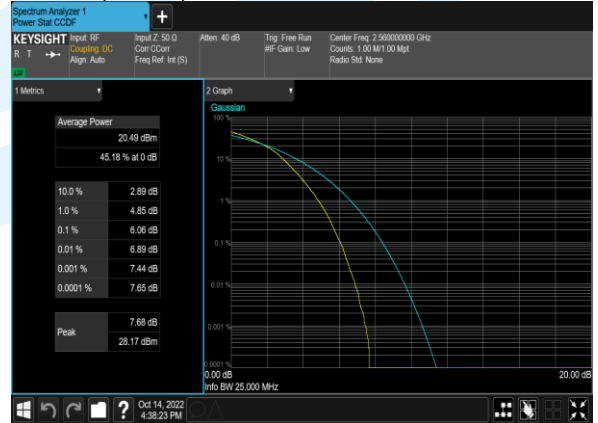
B7(20.0M)\_16QAM\_100@0\_21100\_CH



B7(20.0M)\_QPSK\_100@0\_21350\_CH



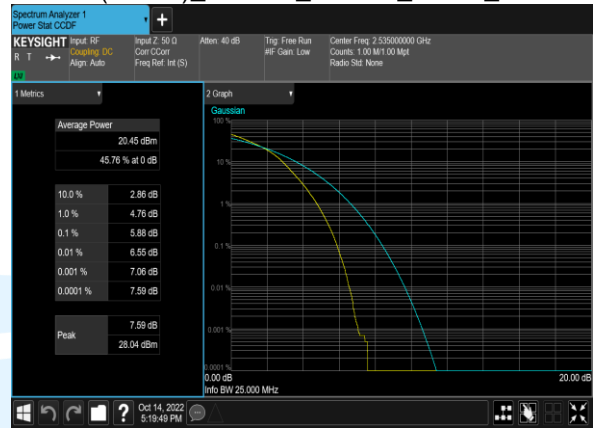
B7(20.0M)\_16QAM\_100@0\_21350\_CH



B7(20.0M)\_64QAM\_100@0\_20850\_CH



B7(20.0M)\_64QAM\_100@0\_21100\_CH



B7(20.0M)\_64QAM\_100@0\_21350\_CH



**Occupied Bandwidth**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
7	20.0	20850	2510.0	QPSK	100@0	17.800	18.84
7	20.0	20850	2510.0	16QAM	100@0	17.808	18.75
7	20.0	20850	2510.0	64QAM	100@0	17.818	18.82
7	20.0	21100	2535.0	QPSK	100@0	17.893	18.92
7	20.0	21100	2535.0	16QAM	100@0	17.845	18.87
7	20.0	21100	2535.0	64QAM	100@0	17.873	18.86
7	20.0	21350	2560.0	QPSK	100@0	17.873	18.90
7	20.0	21350	2560.0	16QAM	100@0	17.870	18.89
7	20.0	21350	2560.0	64QAM	100@0	17.874	18.80
7	15.0	20825	2507.5	QPSK	75@0	13.401	14.24
7	15.0	20825	2507.5	16QAM	75@0	13.369	14.16
7	15.0	20825	2507.5	64QAM	75@0	13.384	14.30
7	15.0	21100	2535.0	QPSK	75@0	13.419	14.32
7	15.0	21100	2535.0	16QAM	75@0	13.394	14.19
7	15.0	21100	2535.0	64QAM	75@0	13.401	14.34
7	15.0	21375	2562.5	QPSK	75@0	13.400	14.24
7	15.0	21375	2562.5	16QAM	75@0	13.403	14.28
7	15.0	21375	2562.5	64QAM	75@0	13.405	14.23
7	10.0	20800	2505.0	QPSK	50@0	8.9434	9.520
7	10.0	20800	2505.0	16QAM	50@0	8.9222	9.482
7	10.0	20800	2505.0	64QAM	50@0	8.9301	9.486
7	10.0	21100	2535.0	QPSK	50@0	8.9395	9.578
7	10.0	21100	2535.0	16QAM	50@0	8.9284	9.383
7	10.0	21100	2535.0	64QAM	50@0	8.9448	9.517
7	10.0	21400	2565.0	QPSK	50@0	8.9464	9.554
7	10.0	21400	2565.0	16QAM	50@0	8.9396	9.532
7	10.0	21400	2565.0	64QAM	50@0	8.9423	9.536
7	5.0	20775	2502.5	QPSK	25@0	4.4624	4.826
7	5.0	20775	2502.5	16QAM	25@0	4.4613	4.847
7	5.0	20775	2502.5	64QAM	25@0	4.4646	4.841
7	5.0	21100	2535.0	QPSK	25@0	4.4645	4.838
7	5.0	21100	2535.0	16QAM	25@0	4.4646	4.807
7	5.0	21100	2535.0	64QAM	25@0	4.4679	4.821
7	5.0	21425	2567.5	QPSK	25@0	4.4750	4.847
7	5.0	21425	2567.5	16QAM	25@0	4.4600	4.845
7	5.0	21425	2567.5	64QAM	25@0	4.4641	4.825