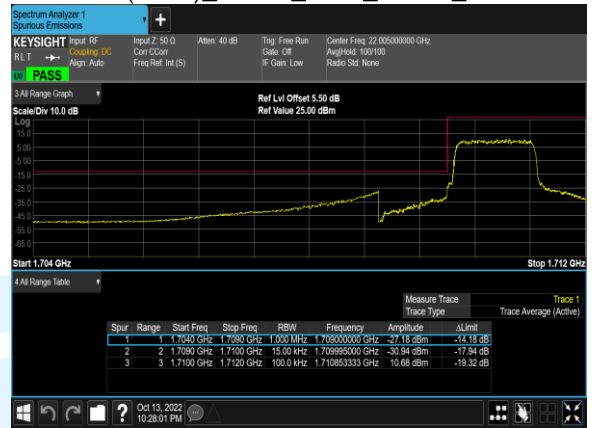


B4(1.4M)\_QPSK\_1@0\_19957\_CH



B4(1.4M)\_QPSK\_6@0\_19957\_CH



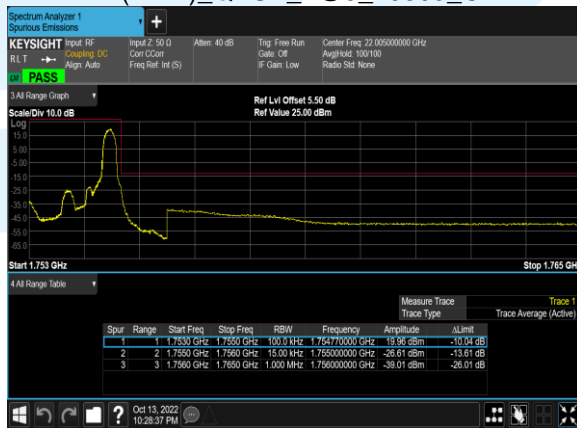
B4(1.4M)\_16QAM\_1@0\_19957\_CH



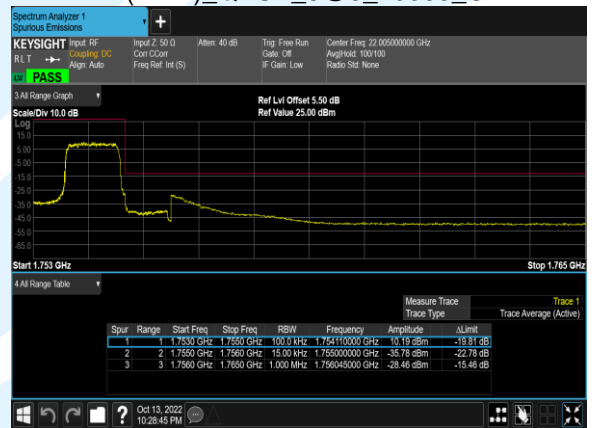
B4(1.4M)\_16QAM\_6@0\_19957\_CH



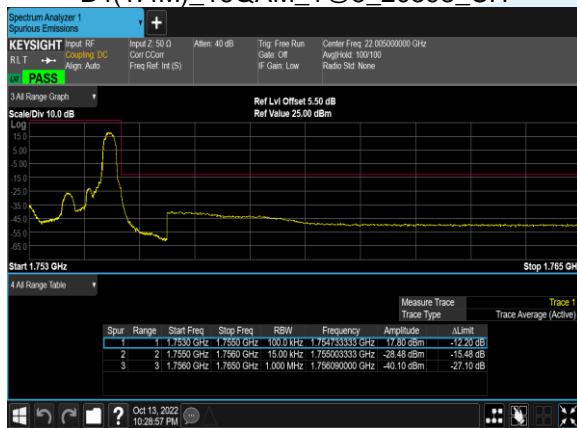
B4(1.4M)\_QPSK\_1@5\_20393\_CH



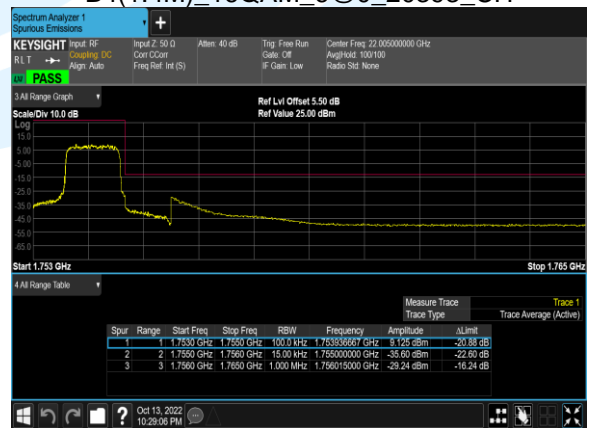
B4(1.4M)\_QPSK\_6@0\_20393\_CH



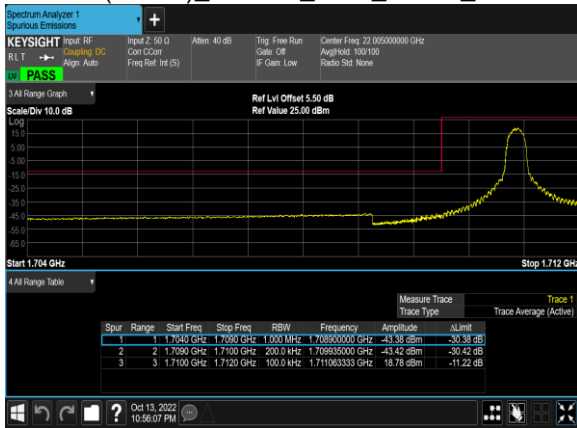
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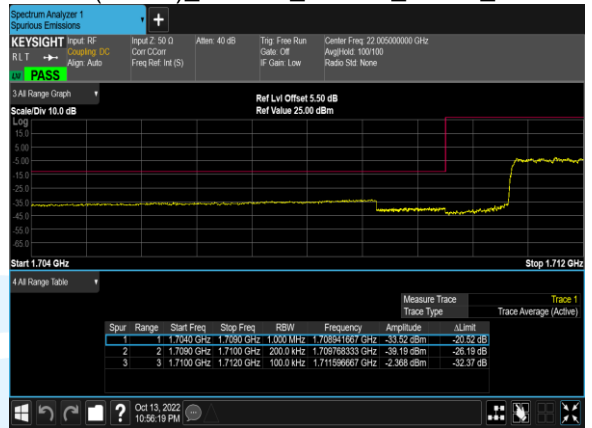
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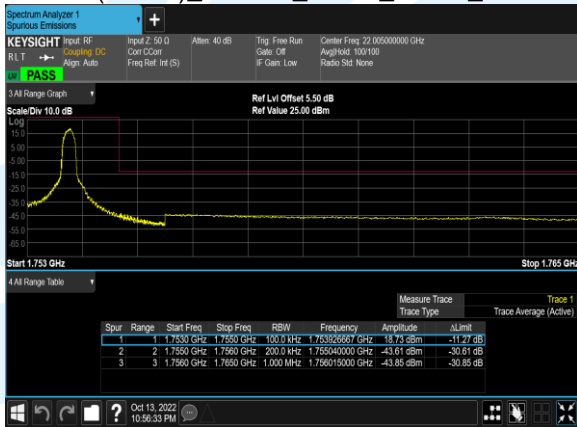
B4(20.0M)\_64QAM\_1@0\_20050\_CH



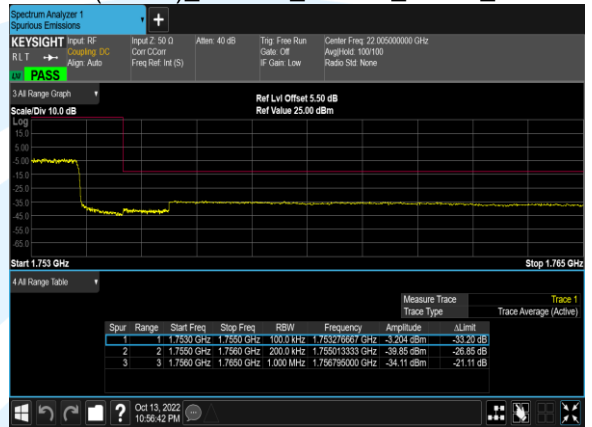
B4(20.0M)\_64QAM\_100@0\_20050\_CH



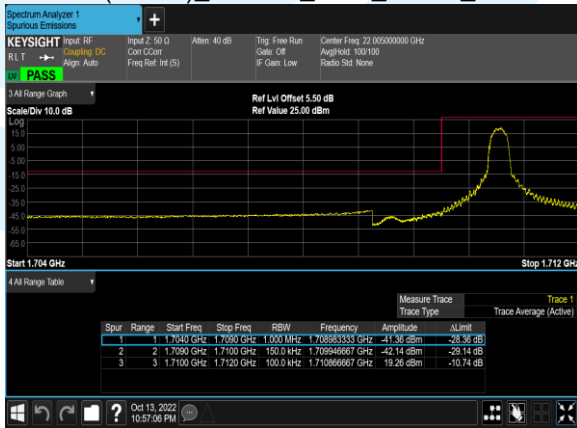
B4(20.0M)\_64QAM\_1@99\_20300\_CH



B4(20.0M)\_64QAM\_100@0\_20300\_CH



B4(15.0M)\_64QAM\_1@0\_20025\_CH



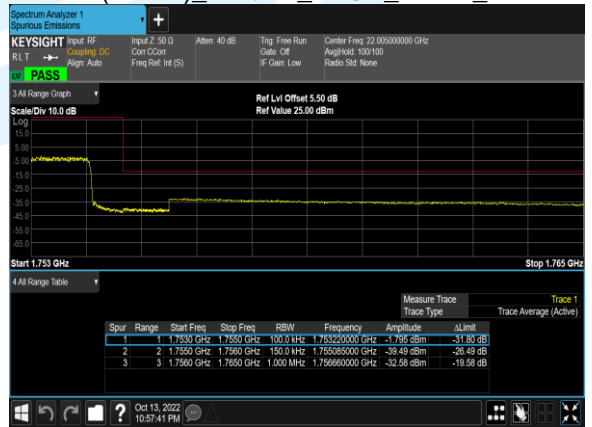
B4(15.0M)\_64QAM\_75@0\_20025\_CH



B4(15.0M)\_64QAM\_1@74\_20325\_CH



B4(15.0M)\_64QAM\_75@0\_20325\_CH



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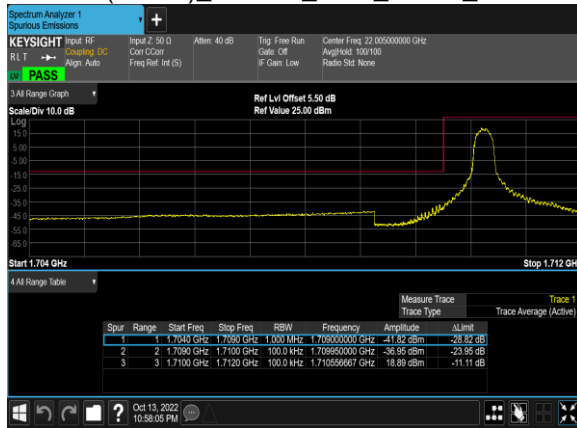
Fax: +86-755-28230886

E-mail: info@uttlab.com

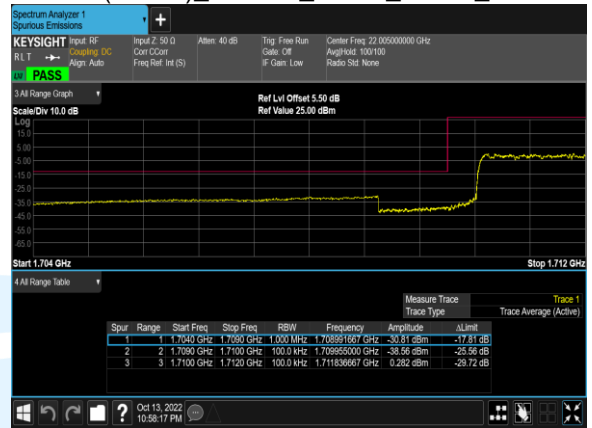
<http://www.uttlab.com>

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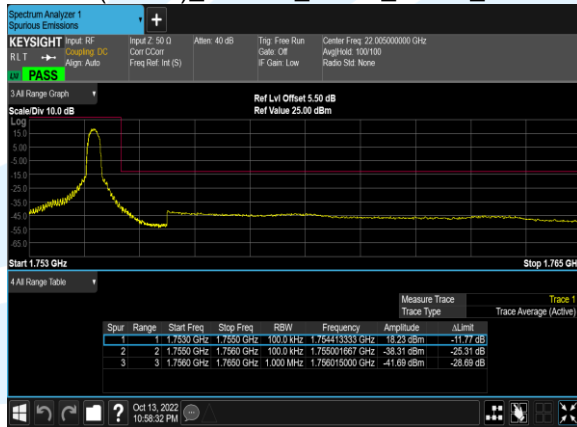
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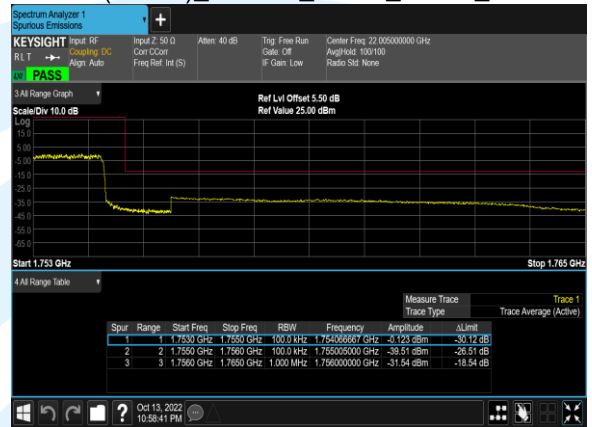
B4(10.0M)\_64QAM\_50@0\_20000\_CH



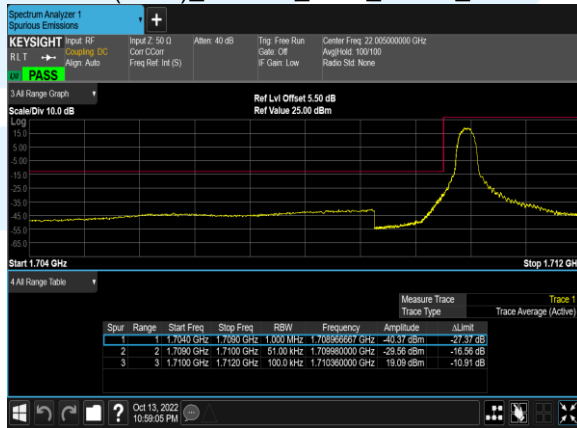
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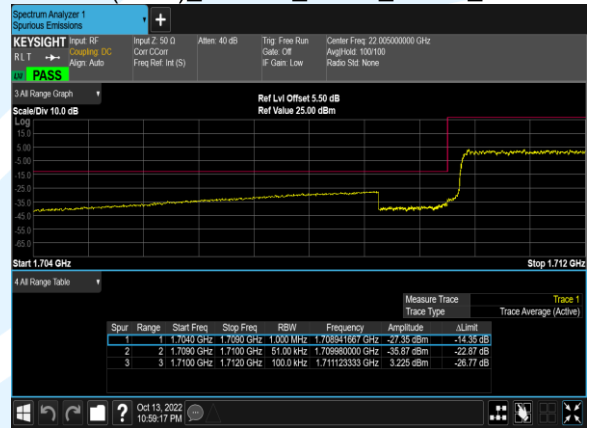
B4(10.0M)\_64QAM\_50@0\_20350\_CH



B4(5.0M)\_64QAM\_1@0\_19975\_CH



B4(5.0M)\_64QAM\_25@0\_19975\_CH



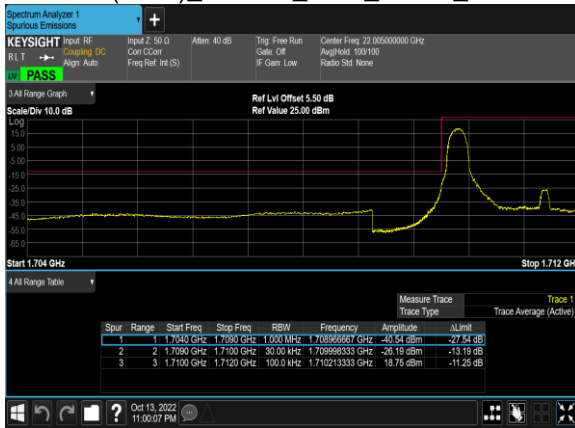
B4(5.0M)\_64QAM\_1@24\_20375\_CH



B4(5.0M)\_64QAM\_25@0\_20375\_CH



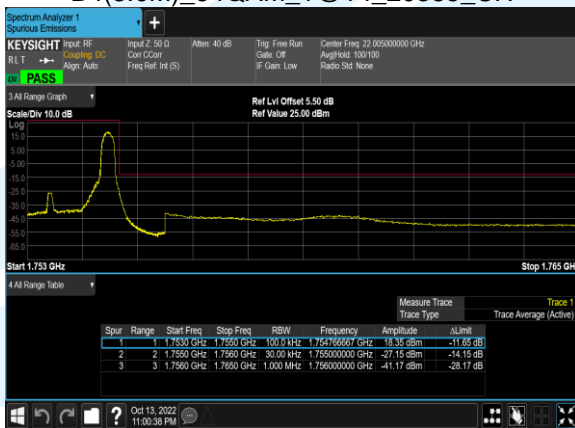
B4(3.0M)\_64QAM\_1@0\_19965\_CH



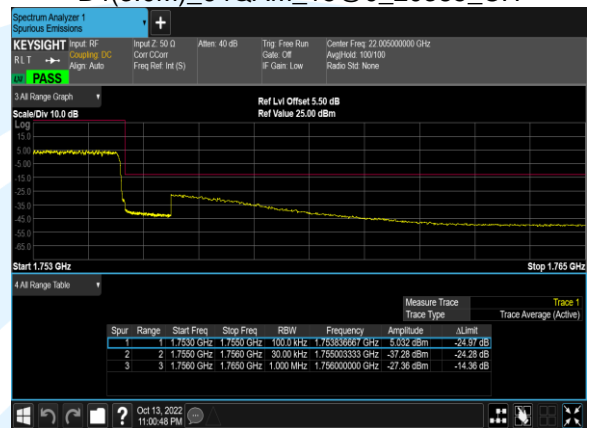
B4(3.0M)\_64QAM\_15@0\_19965\_CH



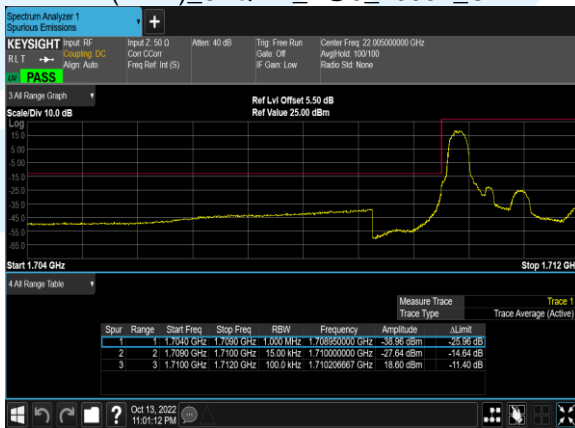
B4(3.0M)\_64QAM\_1@14\_20385\_CH



B4(3.0M)\_64QAM\_15@0\_20385\_CH



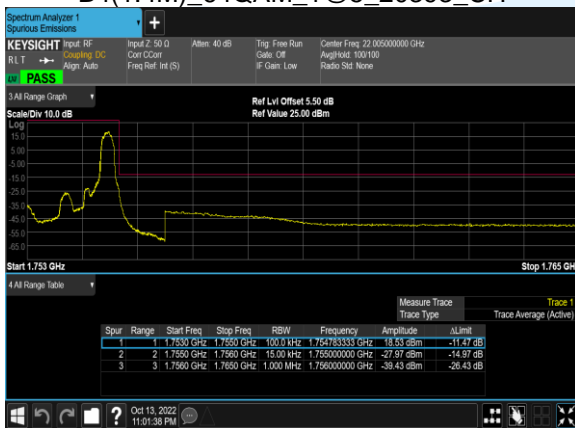
B4(1.4M)\_64QAM\_1@0\_19957\_CH



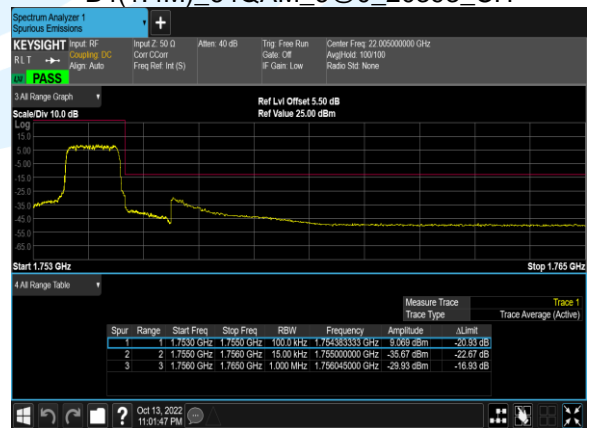
B4(1.4M)\_64QAM\_6@0\_19957\_CH



B4(1.4M)\_64QAM\_1@5\_20393\_CH



B4(1.4M)\_64QAM\_6@0\_20393\_CH



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### A.3 LTE BAND 5

#### Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	10.0	20450	829.0	QPSK	50@0	5.38	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.08	13	PASS
5	10.0	20450	829.0	64QAM	50@0	6.12	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.52	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.24	13	PASS
5	10.0	20525	836.5	64QAM	50@0	6.21	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.19	13	PASS
5	10.0	20600	844.0	16QAM	50@0	5.95	13	PASS
5	10.0	20600	844.0	64QAM	50@0	5.95	13	PASS

B5(10.0M)\_QPSK\_50@0\_20450\_CH



B5(10.0M)\_16QAM\_50@0\_20450\_CH



B5(10.0M)\_QPSK\_50@0\_20525\_CH



B5(10.0M)\_16QAM\_50@0\_20525\_CH



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



B5(10.0M)\_16QAM\_50@0\_20600\_CH



B5(10.0M)\_64QAM\_50@0\_20450\_CH



B5(10.0M)\_64QAM\_50@0\_20525\_CH



B5(10.0M)\_64QAM\_50@0\_20600\_CH

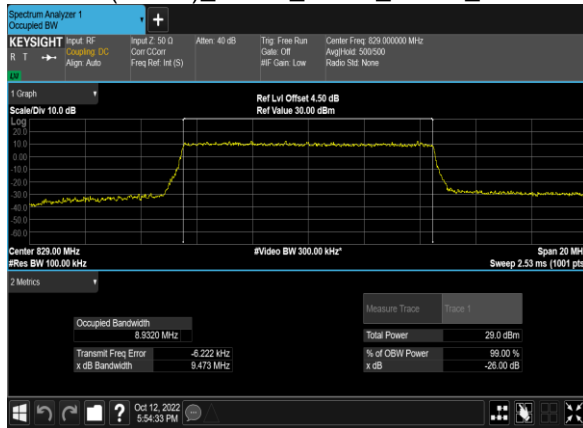


**Occupied Bandwidth**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB OBW (MHz)
5	10.0	20450	829.0	QPSK	50@0	8.9320	9.473
5	10.0	20450	829.0	16QAM	50@0	8.9284	9.455
5	10.0	20450	829.0	64QAM	50@0	8.9487	9.465
5	10.0	20525	836.5	QPSK	50@0	8.9410	9.550
5	10.0	20525	836.5	16QAM	50@0	8.9465	9.519
5	10.0	20525	836.5	64QAM	50@0	8.9372	9.429
5	10.0	20600	844.0	QPSK	50@0	8.9357	9.567
5	10.0	20600	844.0	64QAM	50@0	8.9305	9.439
5	10.0	20600	844.0	16QAM	50@0	8.9374	9.535
5	5.0	20425	826.5	QPSK	25@0	4.4600	4.801
5	5.0	20425	826.5	16QAM	25@0	4.4623	4.833
5	5.0	20425	826.5	64QAM	25@0	4.4596	4.830
5	5.0	20525	836.5	QPSK	25@0	4.4700	4.819
5	5.0	20525	836.5	16QAM	25@0	4.4599	4.755
5	5.0	20525	836.5	64QAM	25@0	4.4665	4.798
5	5.0	20625	846.5	QPSK	25@0	4.4704	4.801
5	5.0	20625	846.5	16QAM	25@0	4.4751	4.833
5	5.0	20625	846.5	64QAM	25@0	4.4708	4.822
5	3.0	20415	825.5	QPSK	15@0	2.6754	2.859
5	3.0	20415	825.5	16QAM	15@0	2.6731	2.842
5	3.0	20415	825.5	64QAM	15@0	2.6729	2.848
5	3.0	20525	836.5	QPSK	15@0	2.6734	2.848
5	3.0	20525	836.5	16QAM	15@0	2.6722	2.859
5	3.0	20525	836.5	64QAM	15@0	2.6724	2.843
5	3.0	20635	847.5	QPSK	15@0	2.6824	2.861
5	3.0	20635	847.5	16QAM	15@0	2.6747	2.840
5	3.0	20635	847.5	64QAM	15@0	2.6761	2.849
5	1.4	20407	824.7	QPSK	6@0	1.0771	1.238
5	1.4	20407	824.7	16QAM	6@0	1.0762	1.231
5	1.4	20407	824.7	64QAM	6@0	1.0775	1.234
5	1.4	20525	836.5	QPSK	6@0	1.0784	1.243
5	1.4	20525	836.5	16QAM	6@0	1.0790	1.260
5	1.4	20525	836.5	64QAM	6@0	1.0788	1.254
5	1.4	20643	848.3	QPSK	6@0	1.0788	1.243
5	1.4	20643	848.3	16QAM	6@0	1.0748	1.215
5	1.4	20643	848.3	64QAM	6@0	1.0750	1.214



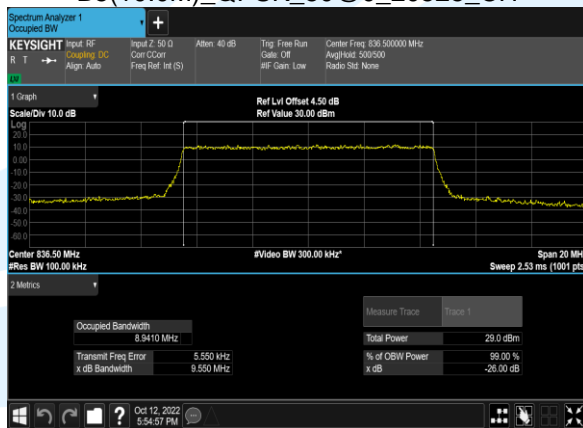
B5(10.0M)\_QPSK\_50@0\_20450\_CH



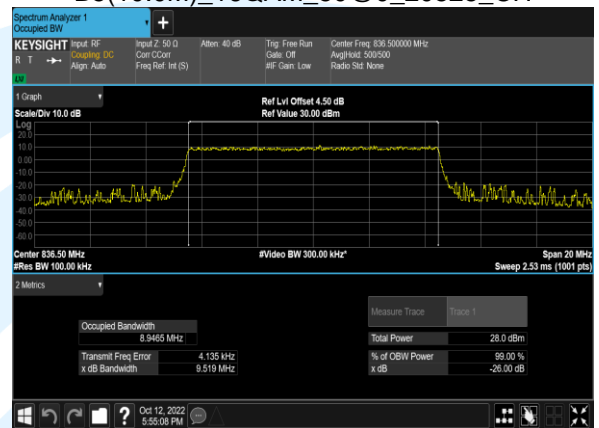
B5(10.0M)\_16QAM\_50@0\_20450\_CH



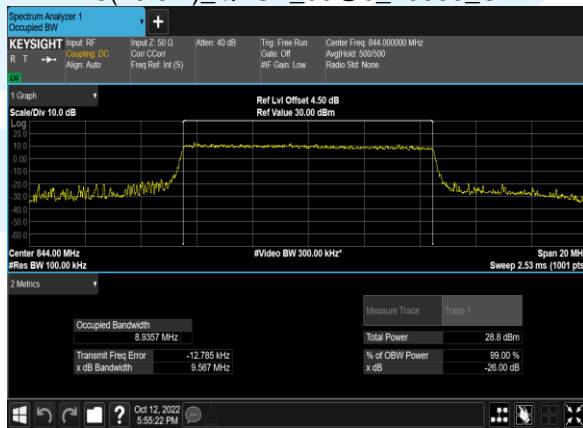
B5(10.0M)\_QPSK\_50@0\_20525\_CH



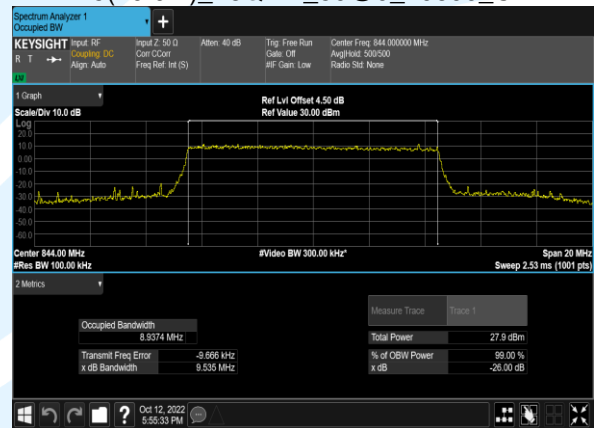
B5(10.0M)\_16QAM\_50@0\_20525\_CH



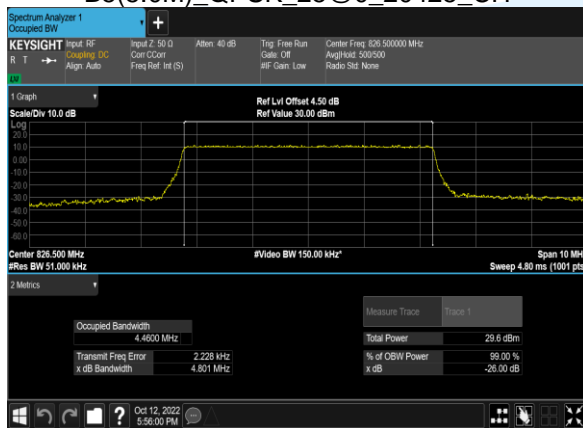
B5(10.0M)\_QPSK\_50@0\_20600\_CH



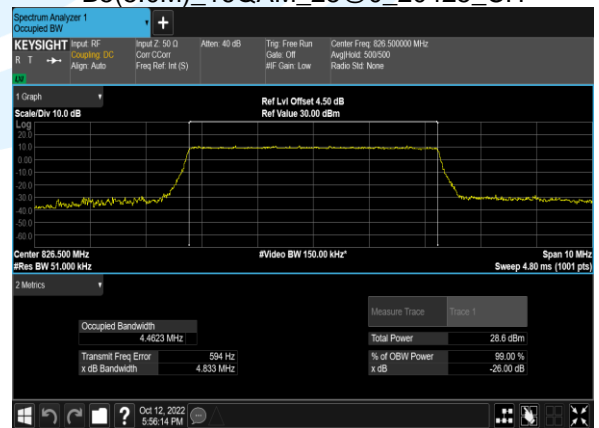
B5(10.0M)\_16QAM\_50@0\_20600\_CH



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

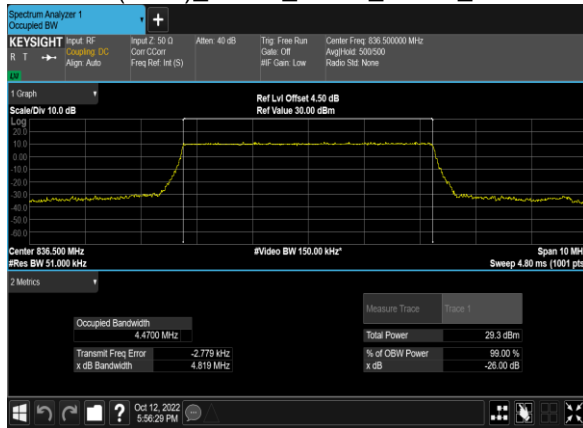


B5(5.0M)\_16QAM\_25@0\_20425\_CH

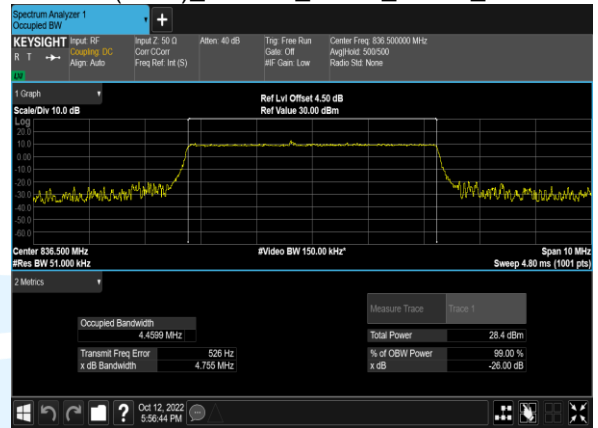




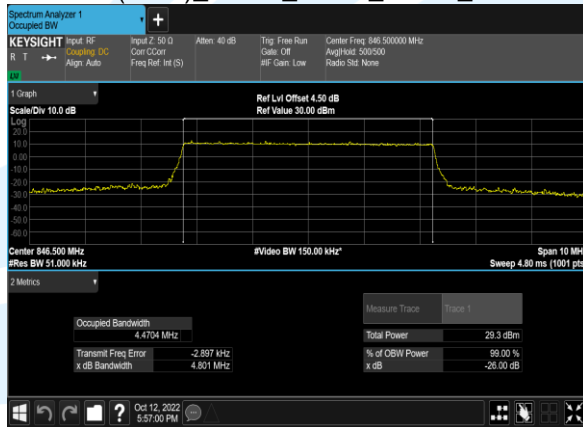
B5(5.0M) QPSK\_25@0\_20525\_CH



B5(5.0M)\_16QAM\_25@0\_20525\_CH



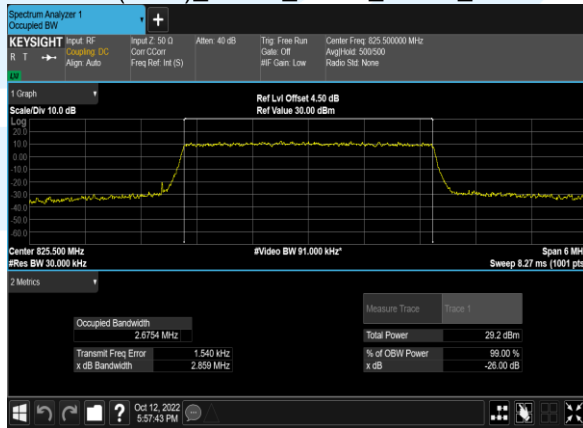
B5(5.0M) QPSK\_25@0\_20625\_CH



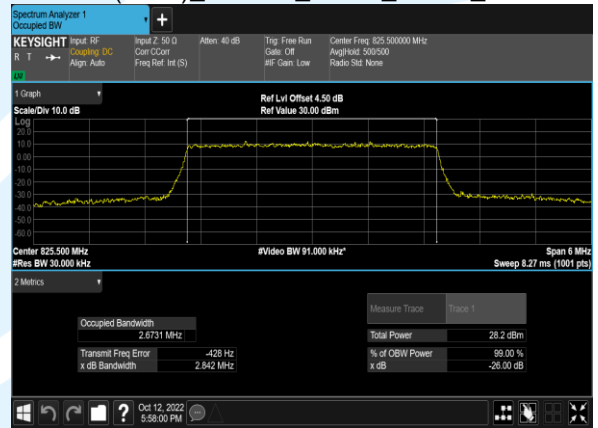
B5(5.0M)\_16QAM\_25@0\_20625\_CH



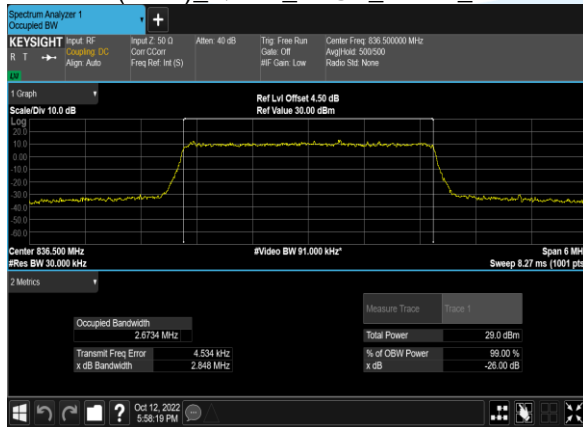
B5(3.0M) QPSK\_15@0\_20415\_CH



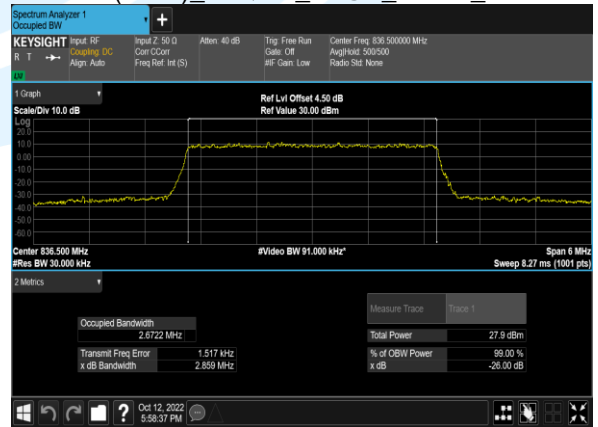
B5(3.0M) 16QAM\_15@0\_20415\_CH



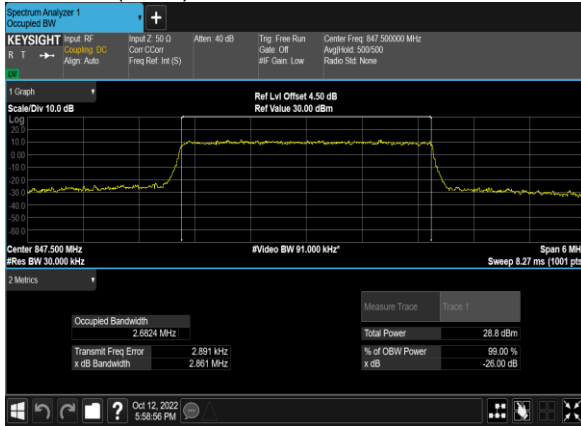
B5(3.0M) QPSK\_15@0\_20525\_CH



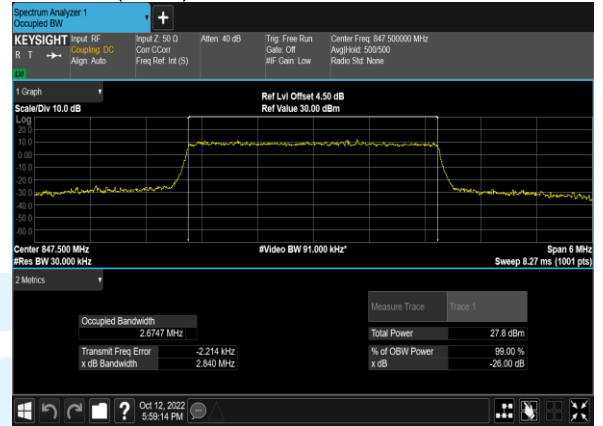
B5(3.0M)\_16QAM\_15@0\_20525\_CH



B5(3.0M) QPSK\_15@0\_20635\_CH



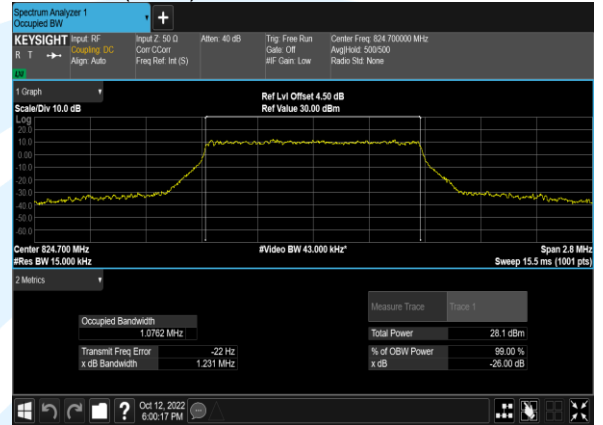
B5(3.0M)\_16QAM\_15@0\_20635\_CH



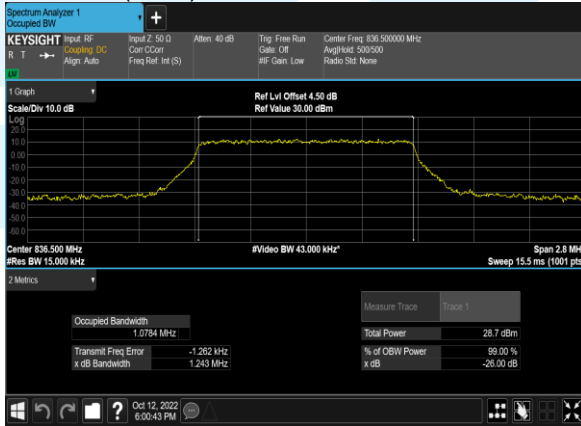
B5(1.4M)\_QPSK\_6@0\_20407\_CH



B5(1.4M)\_16QAM\_6@0\_20407\_CH



B5(1.4M) QPSK\_6@0\_20525\_CH



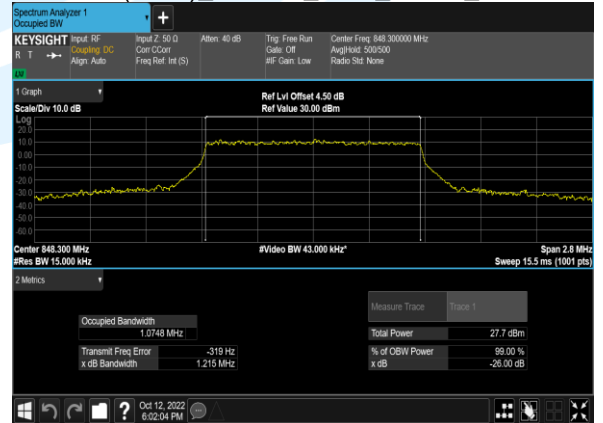
B5(1.4M) 16QAM\_6@0\_20525\_CH



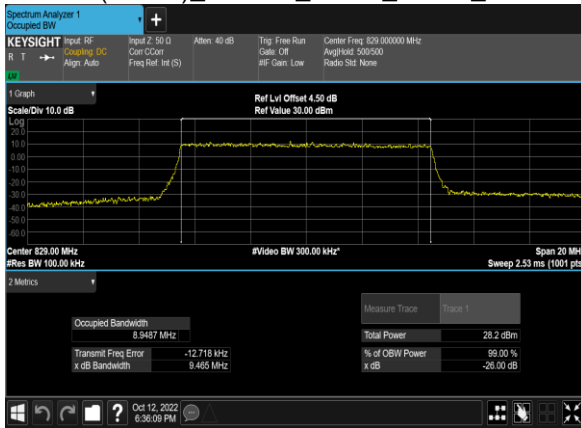
B5(1.4M) QPSK\_6@0\_20643\_CH



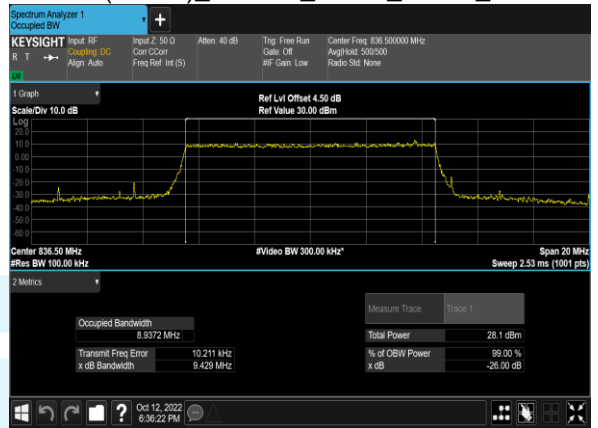
B5(1.4M) 16QAM\_6@0\_20643\_CH



B5(10.0M) 64QAM\_50@0\_20450\_CH



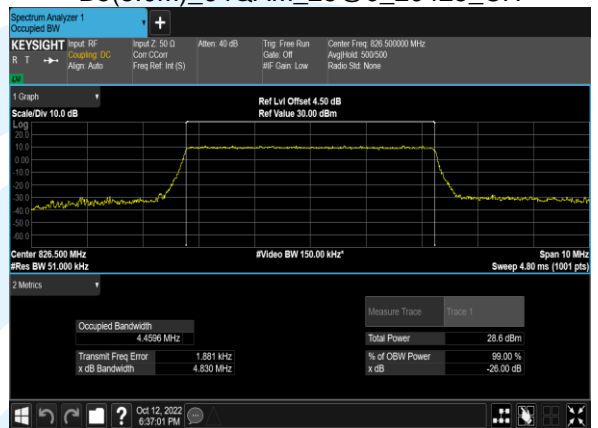
B5(10.0M) 64QAM\_50@0\_20525\_CH



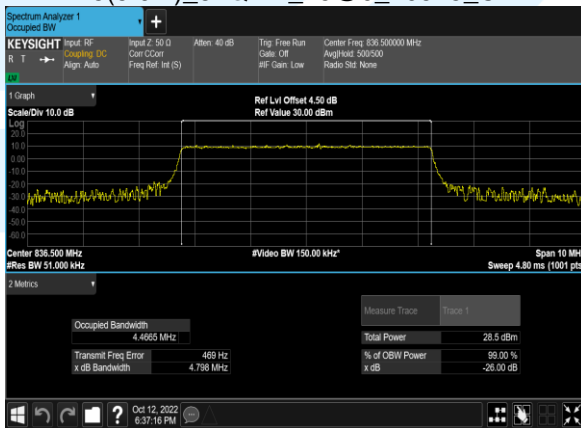
B5(10.0M) 64QAM\_50@0\_20600\_CH



B5(5.0M) 64QAM\_25@0\_20425\_CH



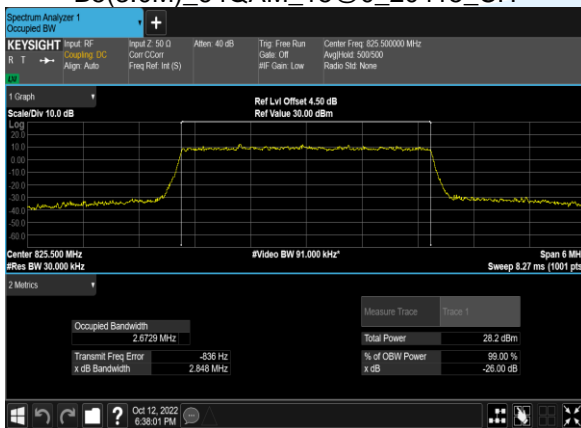
B5(5.0M) 64QAM\_25@0\_20525\_CH



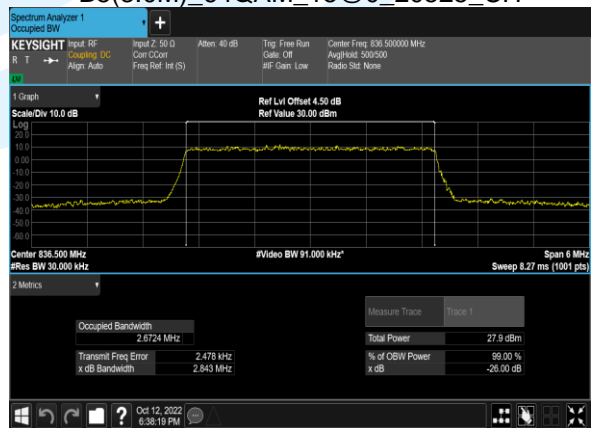
B5(5.0M) 64QAM\_25@0\_20625\_CH



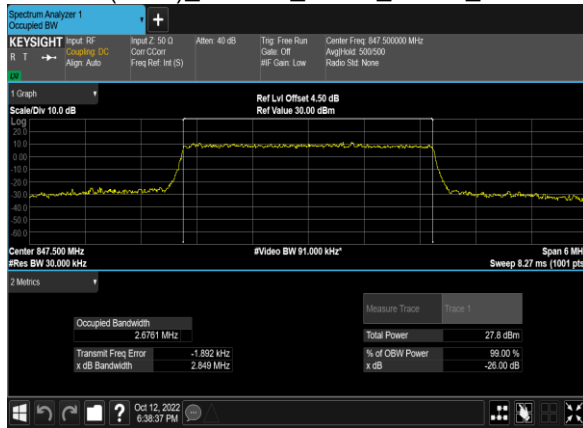
B5(3.0M) 64QAM\_15@0\_20415\_CH



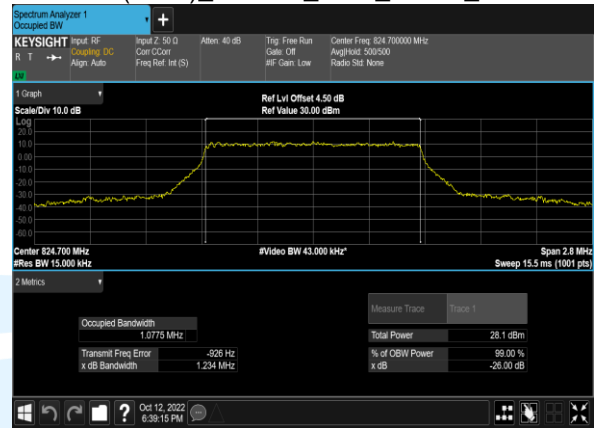
B5(3.0M) 64QAM\_15@0\_20525\_CH



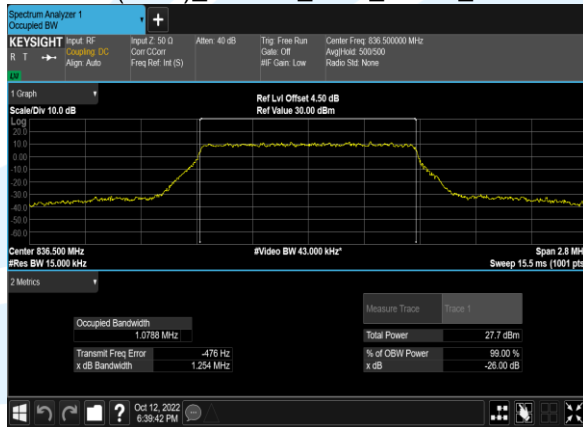
B5(3.0M)\_64QAM\_15@0\_20635\_CH



B5(1.4M)\_64QAM\_6@0\_20407\_CH



B5(1.4M)\_64QAM\_6@0\_20525\_CH



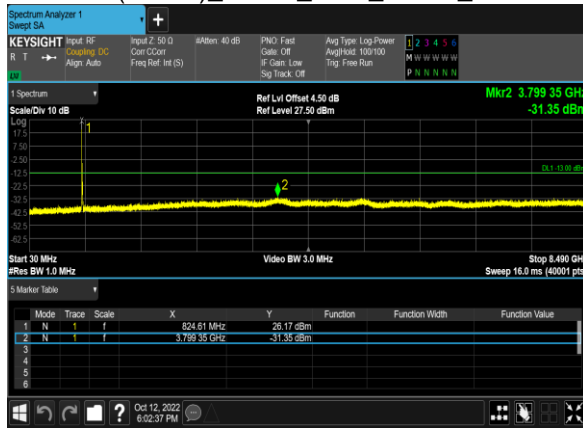
B5(1.4M)\_64QAM\_6@0\_20643\_CH



**Conducted Spurious Emissions**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
5	10.0	20450	829.0	QPSK	1@0	-31.35	-13	PASS
5	10.0	20450	829.0	16QAM	1@0	-31.29	-13	PASS
5	10.0	20450	829.0	64QAM	1@0	-30.39	-13	PASS
5	10.0	20525	836.5	QPSK	1@0	-31.0	-13	PASS
5	10.0	20525	836.5	16QAM	1@0	-30.76	-13	PASS
5	10.0	20525	836.5	64QAM	1@0	-31.73	-13	PASS
5	10.0	20600	844.0	QPSK	1@0	-30.8	-13	PASS
5	10.0	20600	844.0	16QAM	1@0	-31.4	-13	PASS
5	10.0	20600	844.0	64QAM	1@0	-30.74	-13	PASS
5	5.0	20425	826.5	QPSK	1@0	-31.21	-13	PASS
5	5.0	20425	826.5	16QAM	1@0	-30.6	-13	PASS
5	5.0	20425	826.5	64QAM	1@0	-30.91	-13	PASS
5	5.0	20525	836.5	QPSK	1@0	-30.53	-13	PASS
5	5.0	20525	836.5	16QAM	1@0	-31.0	-13	PASS
5	5.0	20525	836.5	64QAM	1@0	-30.63	-13	PASS
5	5.0	20625	846.5	QPSK	1@0	-31.15	-13	PASS
5	5.0	20625	846.5	16QAM	1@0	-31.49	-13	PASS
5	5.0	20625	846.5	64QAM	1@0	-30.92	-13	PASS
5	3.0	20415	825.5	QPSK	1@0	-31.07	-13	PASS
5	3.0	20415	825.5	16QAM	1@0	-30.54	-13	PASS
5	3.0	20415	825.5	64QAM	1@0	-31.3	-13	PASS
5	3.0	20525	836.5	QPSK	1@0	-30.32	-13	PASS
5	3.0	20525	836.5	16QAM	1@0	-31.16	-13	PASS
5	3.0	20525	836.5	64QAM	1@0	-31.41	-13	PASS
5	3.0	20635	847.5	QPSK	1@0	-31.14	-13	PASS
5	3.0	20635	847.5	16QAM	1@0	-30.5	-13	PASS
5	3.0	20635	847.5	64QAM	1@0	-31.77	-13	PASS
5	1.4	20407	824.7	QPSK	1@0	-30.74	-13	PASS
5	1.4	20407	824.7	16QAM	1@0	-31.39	-13	PASS
5	1.4	20407	824.7	64QAM	1@0	-30.88	-13	PASS
5	1.4	20525	836.5	QPSK	1@0	-30.45	-13	PASS
5	1.4	20525	836.5	16QAM	1@0	-31.35	-13	PASS
5	1.4	20643	848.3	QPSK	1@0	-31.14	-13	PASS
5	1.4	20643	848.3	16QAM	1@0	-31.08	-13	PASS
5	1.4	20643	848.3	64QAM	1@0	-30.64	-13	PASS

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



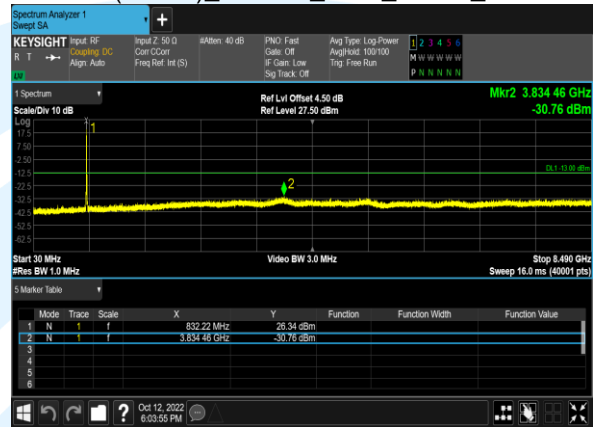
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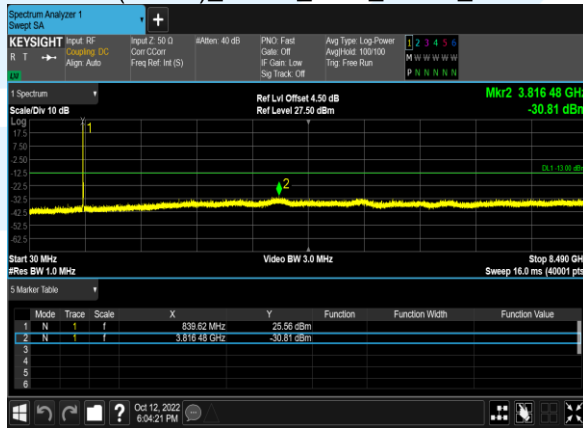
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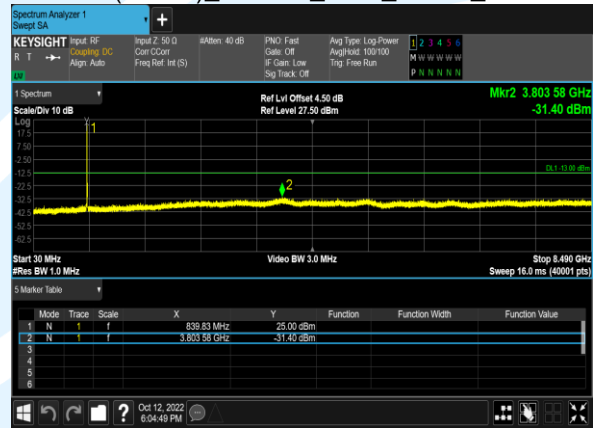
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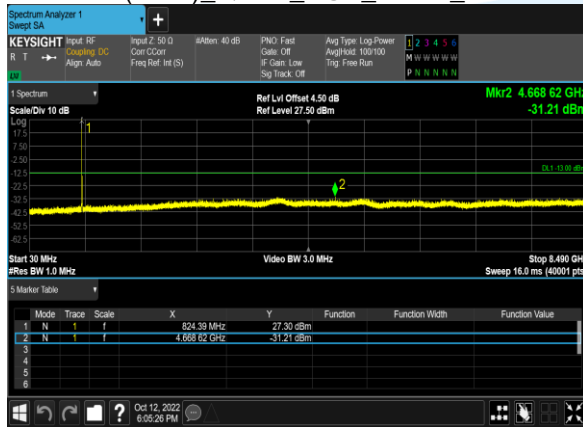
B5(10.0M)\_QPSK\_1@0\_20600\_CH



B5(10.0M)\_16QAM\_1@0\_20600\_CH



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



B5(5.0M)\_16QAM\_1@0\_20425\_CH

