

B26_5M_QPSK_1@0_CH_26715



B26_5M_16QAM_1@0_CH_26715



B26_5M_QPSK_1@0_CH_26740



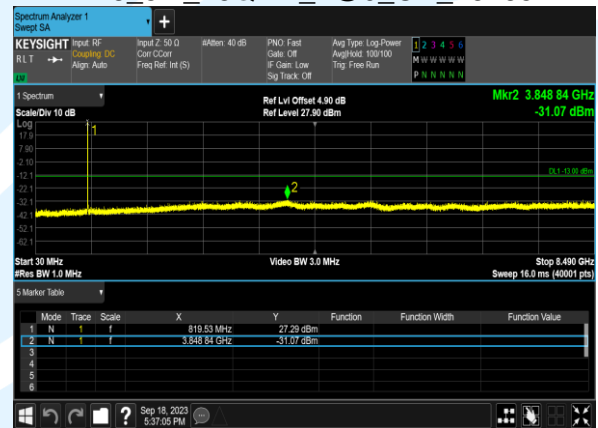
B26_5M_16QAM_1@0_CH_26740



B26_5M_QPSK_1@0_CH_26765



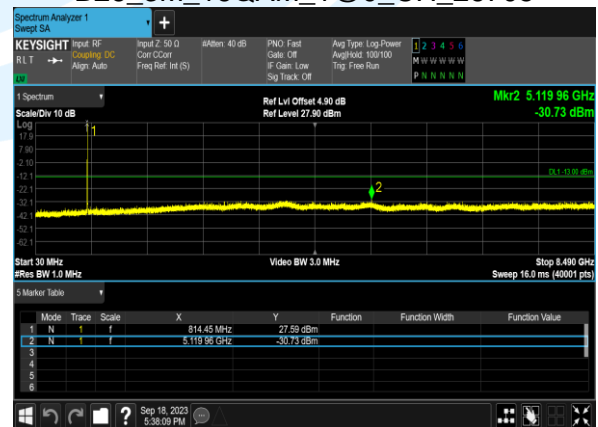
B26_5M_16QAM_1@0_CH_26765



B26_3M_QPSK_1@0_CH_26705



B26_3M_16QAM_1@0_CH_26705



Shenzhen UnionTrust Quality and Technology Co., Ltd.

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UTTR-RF-FCC4G-V1.1

B26_3M_QPSK_1@0_CH_26740



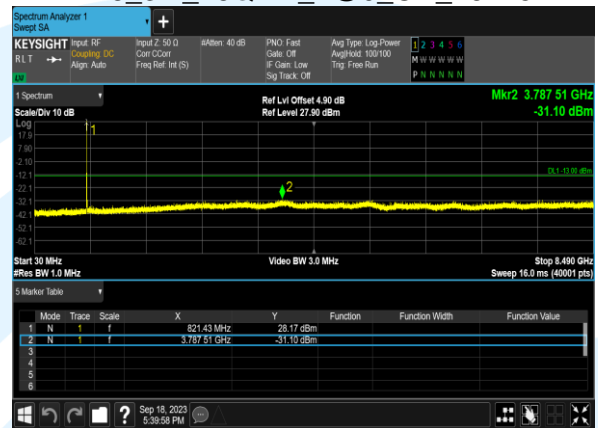
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B26_3M_QPSK_1@0_CH_26775



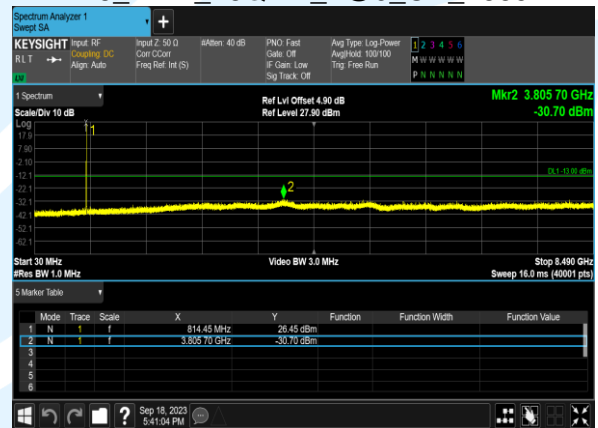
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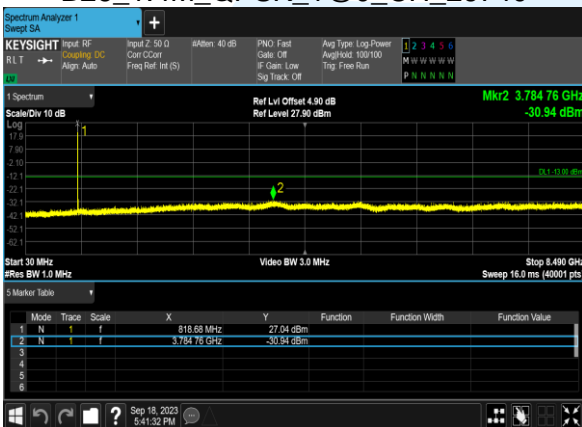
B26_1.4M_QPSK_1@0_CH_26697



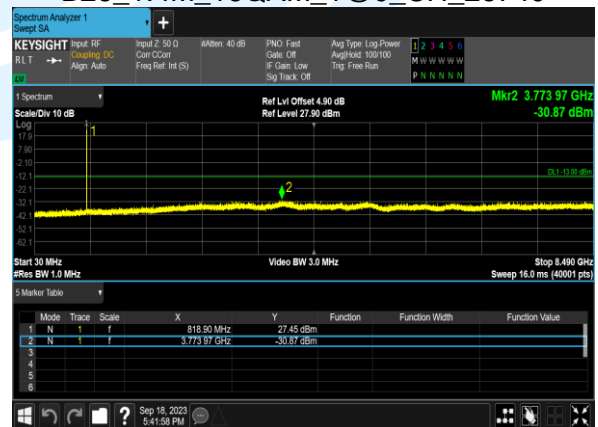
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B26_1.4M_QPSK_1@0_CH_26740



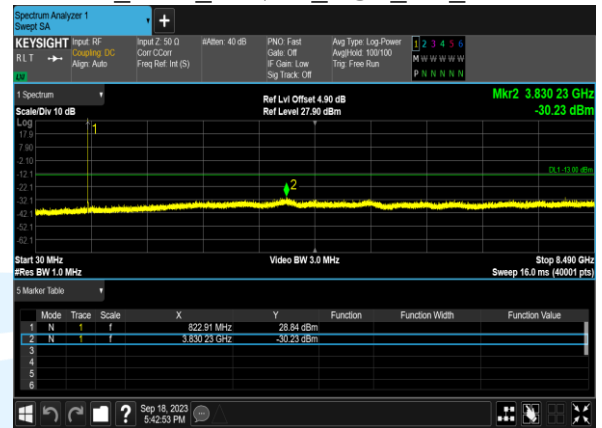
B26_1.4M_16QAM_1@0_CH_26740



B26_1.4M_QPSK_1@0_CH_26783



B26_1.4M_16QAM_1@0_CH_26783



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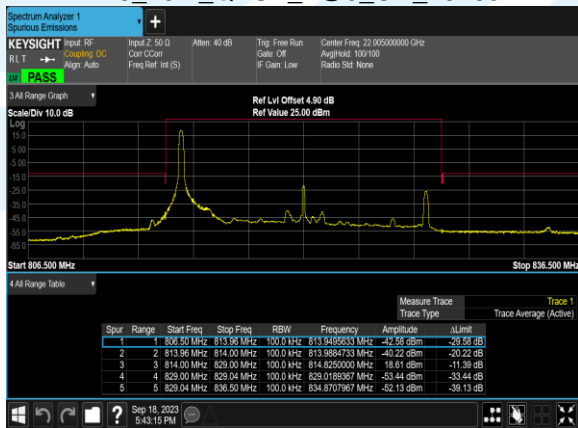
UTTR-RF-FCC4G-V1.1

Conducted Band Edge

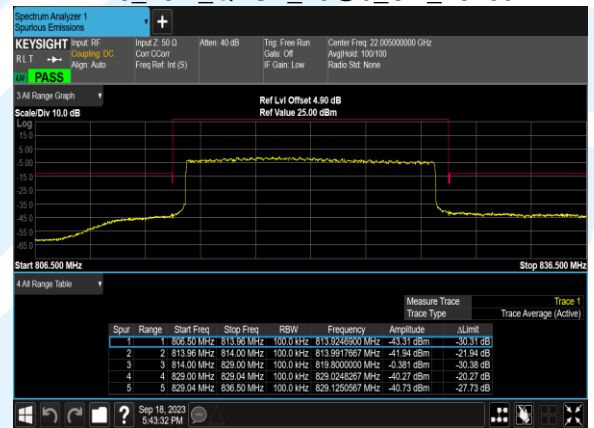
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
26	15.0	26765	821.5	QPSK	1@0	see graph	PASS
26	15.0	26765	821.5	QPSK	75@0	see graph	PASS
26	15.0	26765	821.5	16QAM	1@0	see graph	PASS
26	15.0	26765	821.5	16QAM	75@0	see graph	PASS
26	5.0	26715	816.5	QPSK	1@0	see graph	PASS
26	5.0	26715	816.5	QPSK	25@0	see graph	PASS
26	5.0	26715	816.5	16QAM	1@0	see graph	PASS
26	5.0	26715	816.5	16QAM	25@0	see graph	PASS
26	5.0	26765	821.5	QPSK	1@24	see graph	PASS
26	5.0	26765	821.5	QPSK	25@0	see graph	PASS
26	5.0	26765	821.5	16QAM	1@24	see graph	PASS
26	5.0	26765	821.5	16QAM	25@0	see graph	PASS
26	3.0	26705	815.5	QPSK	1@0	see graph	PASS
26	3.0	26705	815.5	QPSK	15@0	see graph	PASS
26	3.0	26705	815.5	16QAM	1@0	see graph	PASS
26	3.0	26705	815.5	16QAM	15@0	see graph	PASS
26	3.0	26775	822.5	QPSK	1@14	see graph	PASS
26	3.0	26775	822.5	QPSK	15@0	see graph	PASS
26	3.0	26775	822.5	16QAM	1@14	see graph	PASS
26	3.0	26775	822.5	16QAM	15@0	see graph	PASS
26	1.4	26697	814.7	QPSK	1@0	see graph	PASS
26	1.4	26697	814.7	QPSK	6@0	see graph	PASS
26	1.4	26697	814.7	16QAM	1@0	see graph	PASS
26	1.4	26697	814.7	16QAM	6@0	see graph	PASS
26	1.4	26783	823.3	QPSK	1@5	see graph	PASS
26	1.4	26783	823.3	QPSK	6@0	see graph	PASS
26	1.4	26783	823.3	16QAM	1@5	see graph	PASS
26	1.4	26783	823.3	16QAM	6@0	see graph	PASS

Test Graphs

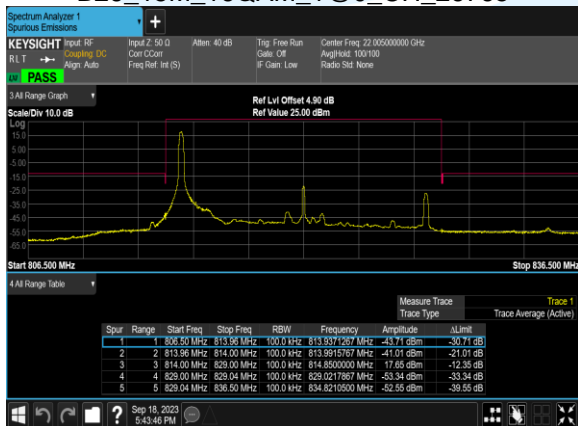
B26_15M_QPSK_1@0_CH_26765



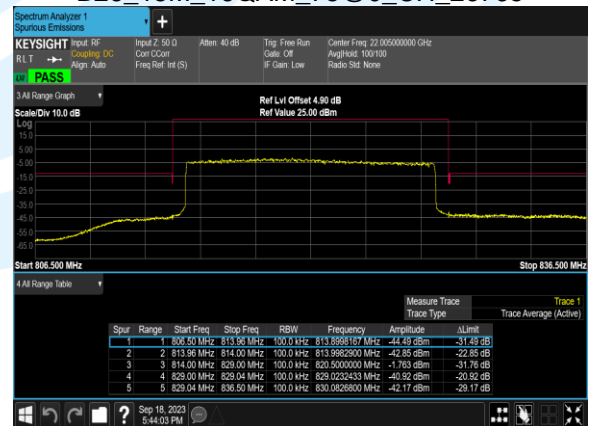
B26_15M_QPSK_75@0_CH_26765



B26_15M_16QAM_1@0_CH_26765



B26_15M_16QAM_75@0_CH_26765



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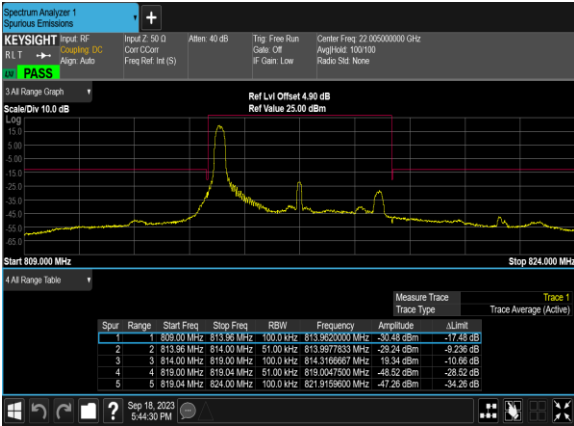
Fax: +86-755-28230886

E-mail: info@uttlab.com

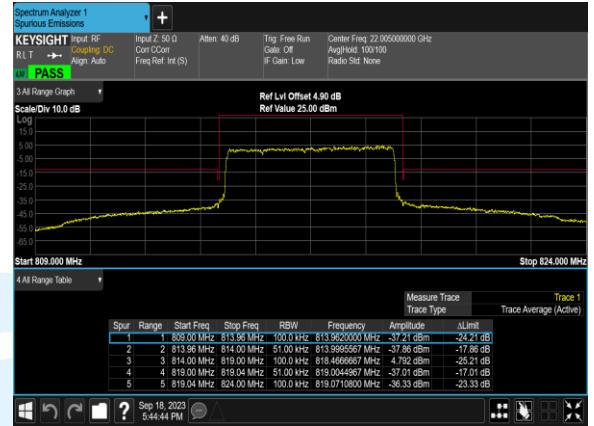
<http://www.uttlab.com>

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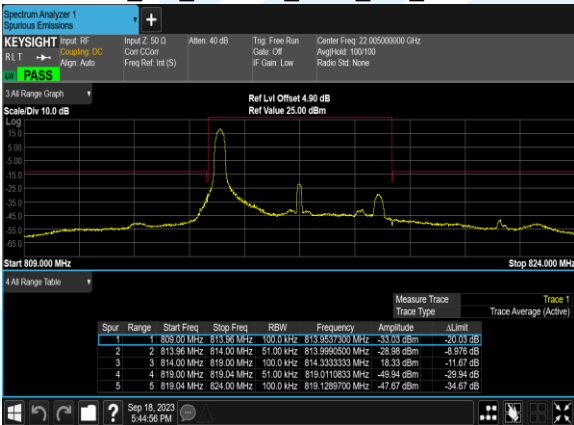
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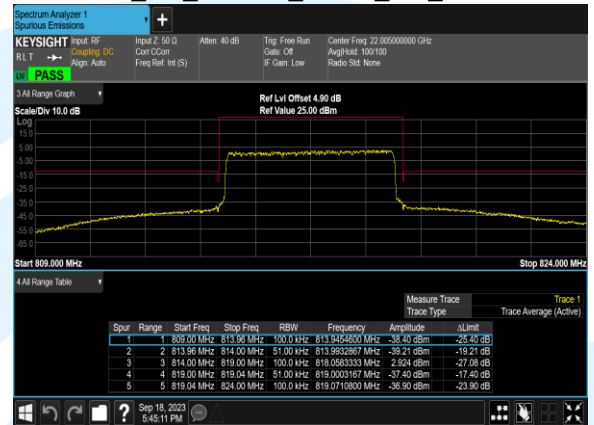
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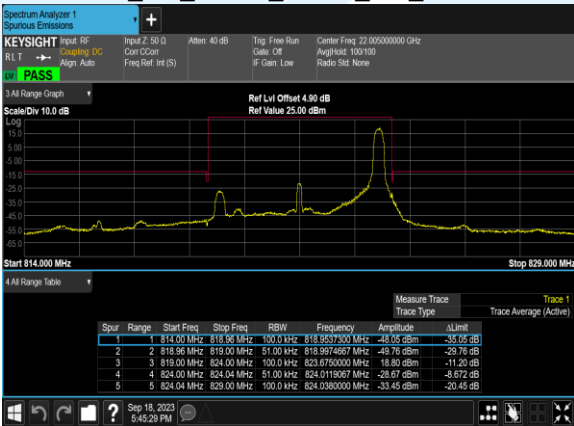
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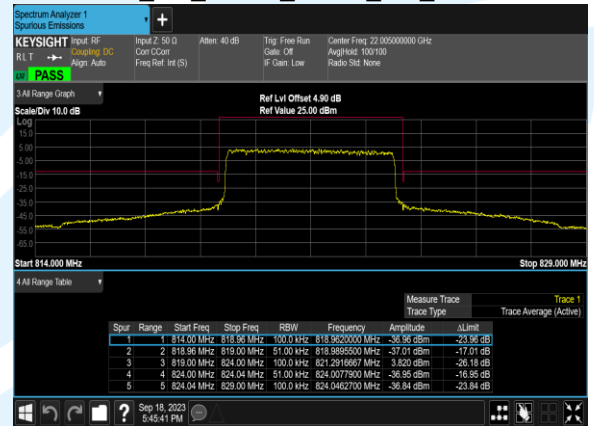
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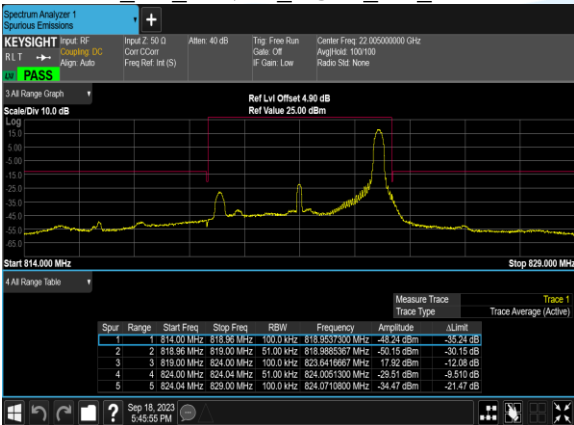
B26_5M_QPSK_1@24_CH_26765



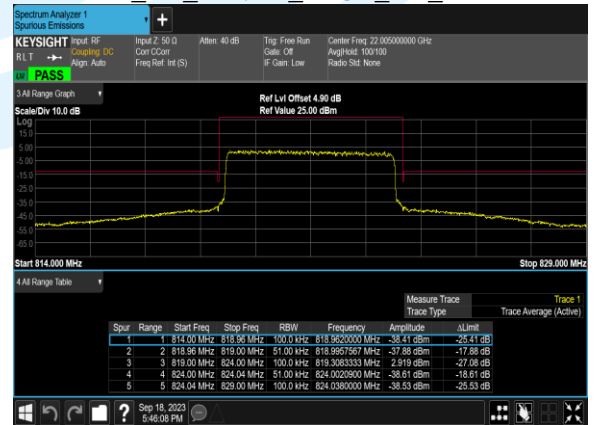
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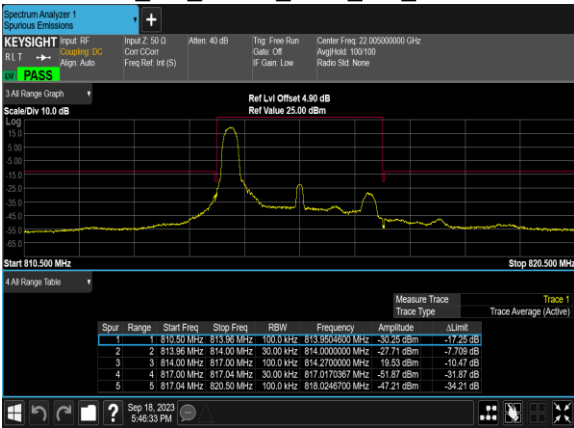
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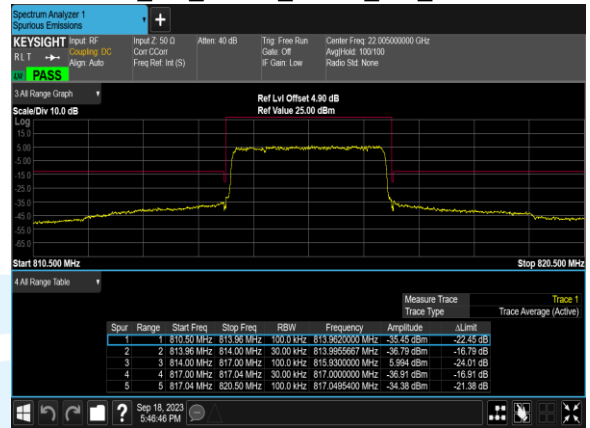
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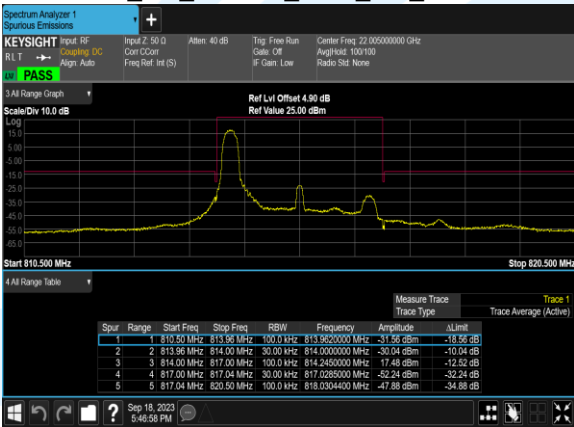
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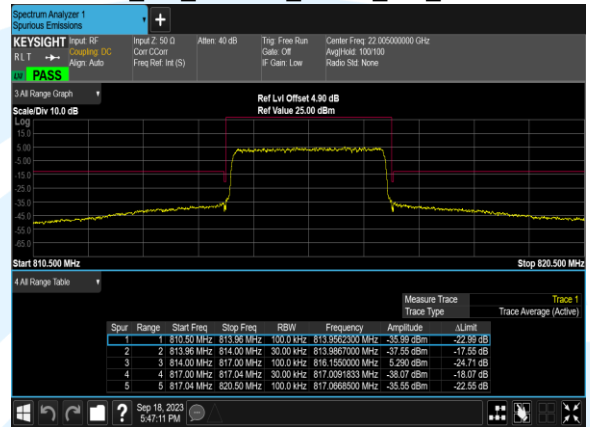
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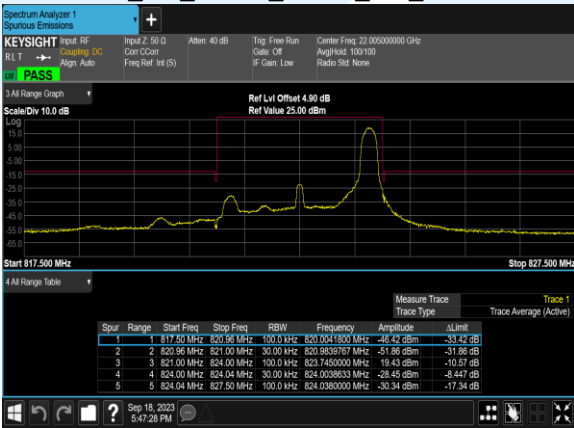
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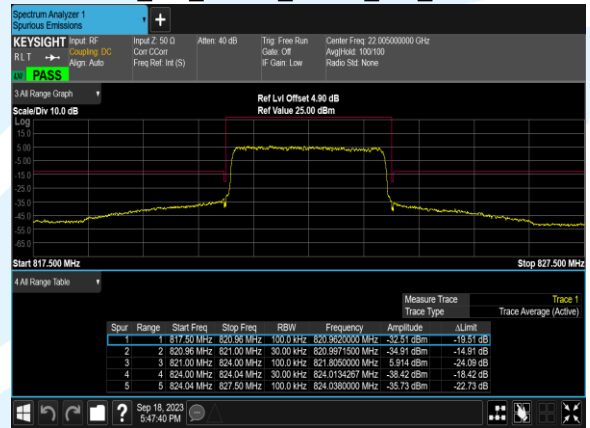
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B26_3M_QPSK_1@14_CH_26775



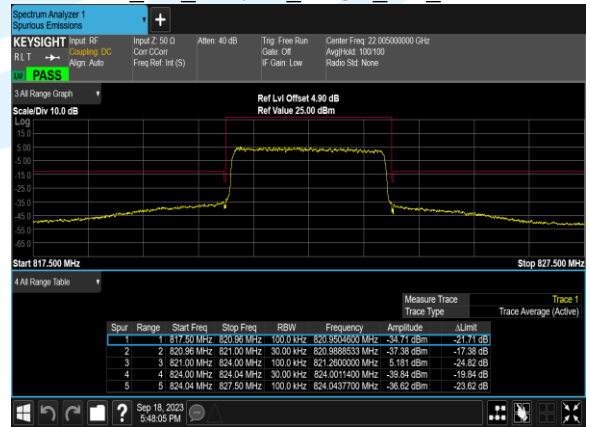
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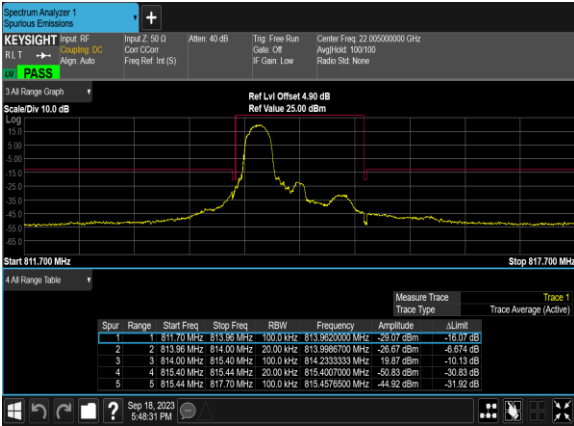
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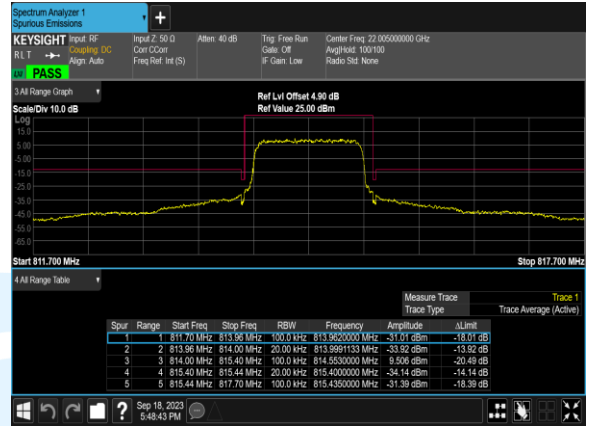
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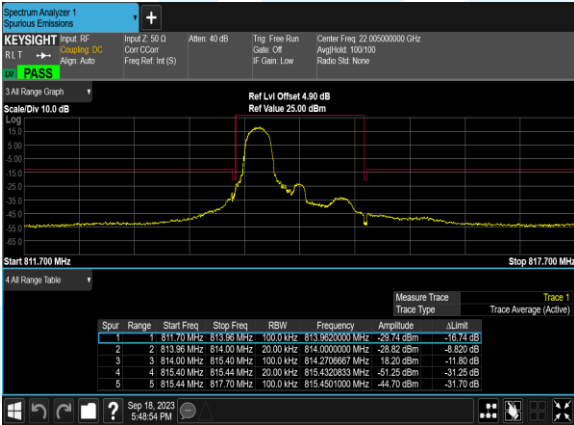
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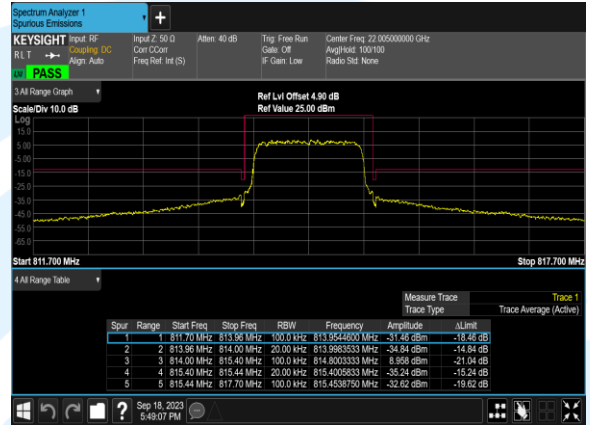
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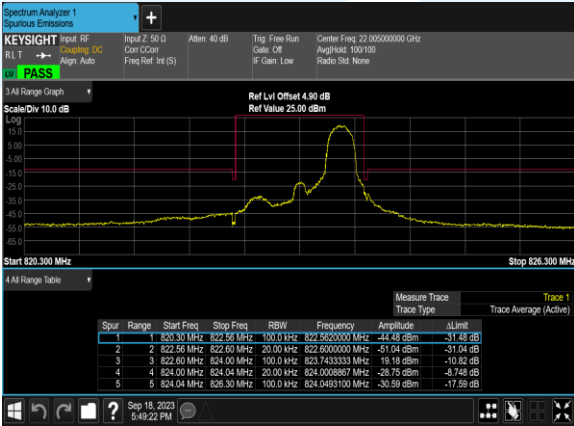
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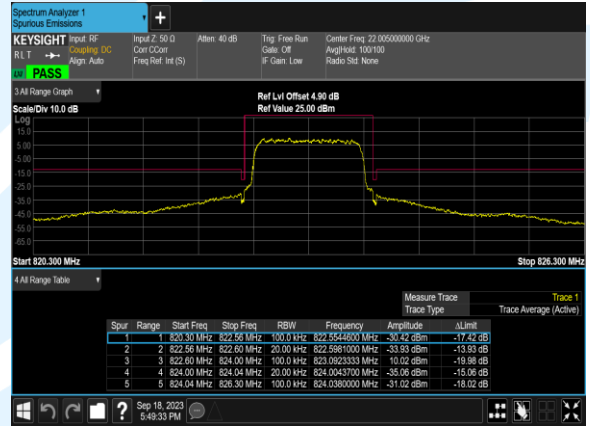
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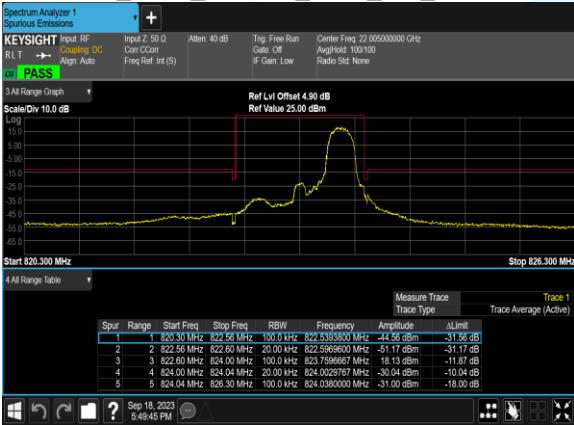
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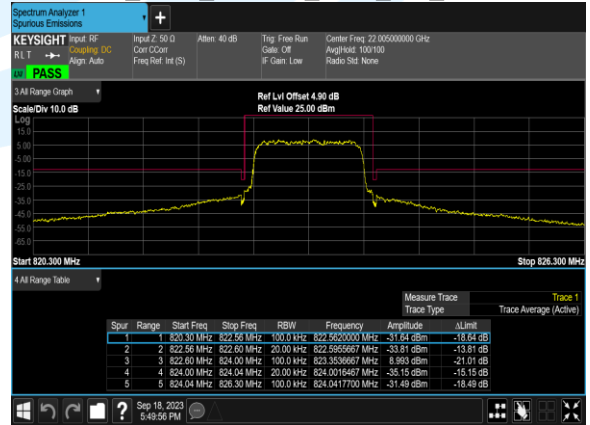
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B26_1.4M_16QAM_1@5_CH_26783



B26_1.4M_16QAM_6@0_CH_26783



A.9 LTE BAND 41

Peak to Average Ratio

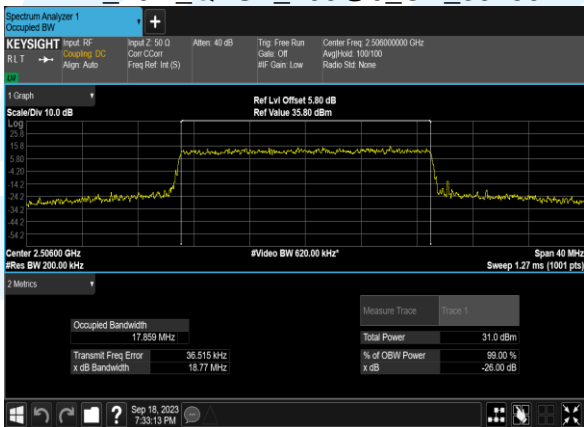
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
41	20.0	39750	2506.0	QPSK	100@0	5.76	13	PASS
41	20.0	39750	2506.0	16QAM	100@0	7.12	13	PASS
41	20.0	40620	2593.0	QPSK	100@0	4.96	13	PASS
41	20.0	40620	2593.0	16QAM	100@0	6.10	13	PASS
41	20.0	41490	2680.0	QPSK	100@0	5.25	13	PASS
41	20.0	41490	2680.0	16QAM	100@0	6.51	13	PASS
41	15.0	39725	2503.5	QPSK	75@0	5.60	13	PASS
41	15.0	39725	2503.5	16QAM	75@0	6.81	13	PASS
41	15.0	40620	2593.0	QPSK	75@0	4.97	13	PASS
41	15.0	40620	2593.0	16QAM	75@0	6.10	13	PASS
41	15.0	41515	2682.5	QPSK	75@0	5.38	13	PASS
41	15.0	41515	2682.5	16QAM	75@0	6.54	13	PASS
41	10.0	39700	2501.0	QPSK	50@0	5.75	13	PASS
41	10.0	39700	2501.0	16QAM	50@0	6.74	13	PASS
41	10.0	40620	2593.0	QPSK	50@0	4.87	13	PASS
41	10.0	40620	2593.0	16QAM	50@0	5.99	13	PASS
41	10.0	41540	2685.0	QPSK	50@0	5.32	13	PASS
41	10.0	41540	2685.0	16QAM	50@0	6.66	13	PASS
41	5.0	39675	2498.5	QPSK	25@0	5.60	13	PASS
41	5.0	39675	2498.5	16QAM	25@0	6.55	13	PASS
41	5.0	40620	2593.0	QPSK	25@0	4.94	13	PASS
41	5.0	40620	2593.0	16QAM	25@0	5.72	13	PASS
41	5.0	41565	2687.5	QPSK	25@0	5.17	13	PASS
41	5.0	41565	2687.5	16QAM	25@0	6.31	13	PASS

Occupied Bandwidth

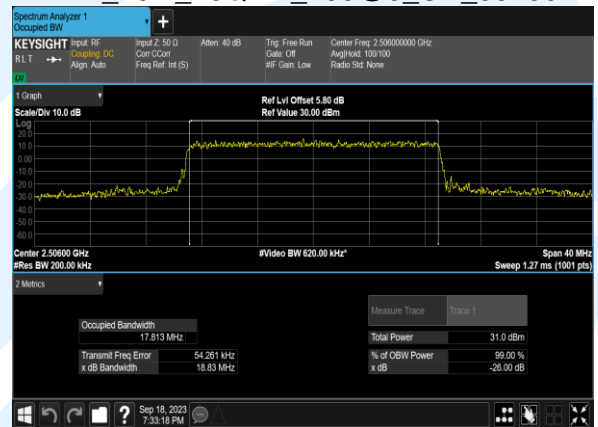
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
41	20.0	39750	2506.0	QPSK	100@0	17.859	18.77
41	20.0	39750	2506.0	16QAM	100@0	17.813	18.83
41	20.0	40620	2593.0	QPSK	100@0	17.951	18.89
41	20.0	40620	2593.0	16QAM	100@0	17.883	18.58
41	20.0	41490	2680.0	QPSK	100@0	17.841	18.76
41	20.0	41490	2680.0	16QAM	100@0	17.897	18.67
41	15.0	39725	2503.5	QPSK	75@0	13.390	14.19
41	15.0	39725	2503.5	16QAM	75@0	13.439	14.89
41	15.0	40620	2593.0	QPSK	75@0	13.460	17.93
41	15.0	40620	2593.0	16QAM	75@0	13.453	14.33
41	15.0	41515	2682.5	QPSK	75@0	13.427	14.11
41	15.0	41515	2682.5	16QAM	75@0	13.426	14.22
41	10.0	39700	2501.0	QPSK	50@0	8.9470	9.336
41	10.0	39700	2501.0	16QAM	50@0	8.9417	9.365
41	10.0	40620	2593.0	QPSK	50@0	8.9633	9.539
41	10.0	40620	2593.0	16QAM	50@0	8.9607	9.480
41	10.0	41540	2685.0	QPSK	50@0	8.9587	9.798
41	10.0	41540	2685.0	16QAM	50@0	8.9254	9.342
41	5.0	39675	2498.5	QPSK	25@0	4.4574	4.738
41	5.0	39675	2498.5	16QAM	25@0	4.4667	4.725
41	5.0	40620	2593.0	QPSK	25@0	4.4585	4.857
41	5.0	40620	2593.0	16QAM	25@0	4.4623	4.700
41	5.0	41565	2687.5	QPSK	25@0	4.4574	4.725
41	5.0	41565	2687.5	16QAM	25@0	4.4375	4.792

Test Graphs

B41_20M_QPSK_100@0_CH_39750



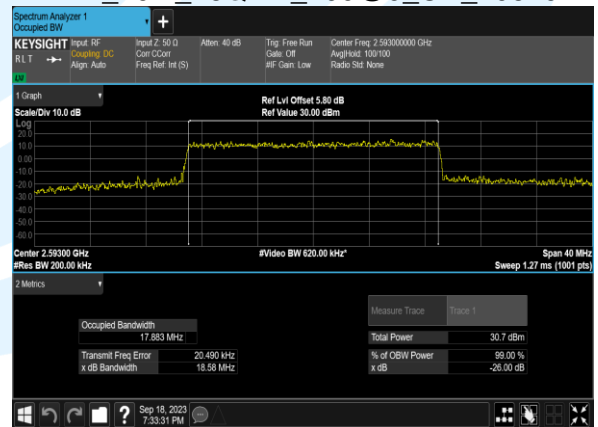
B41_20M_16QAM_100@0_CH_39750



B41_20M_QPSK_100@0_CH_40620



B41_20M_16QAM_100@0_CH_40620



B41_20M_QPSK_100@0_CH_41490



B41_20M_16QAM_100@0_CH_41490



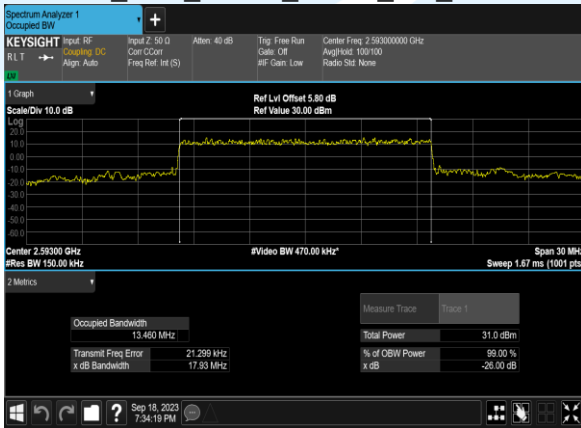
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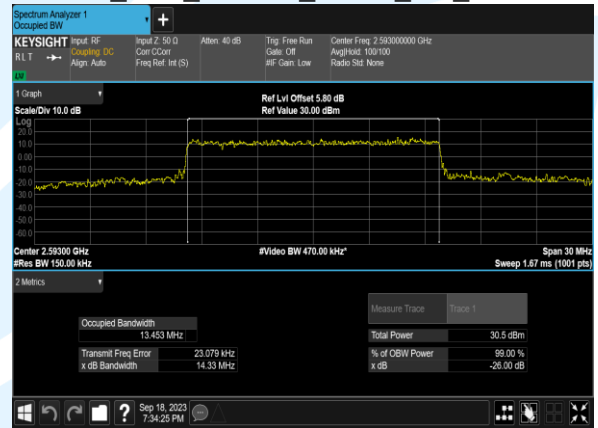
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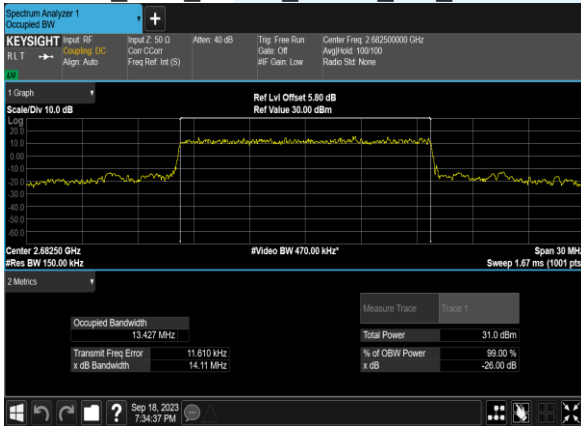
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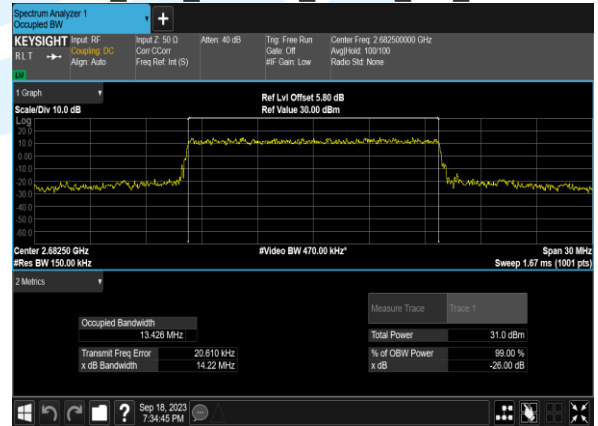
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B41_15M_QPSK_75@0_CH_41515



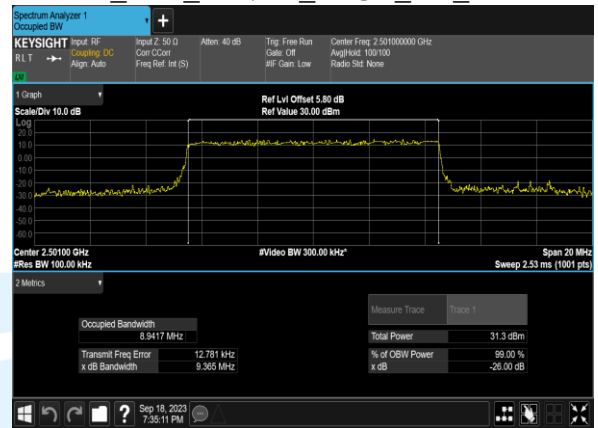
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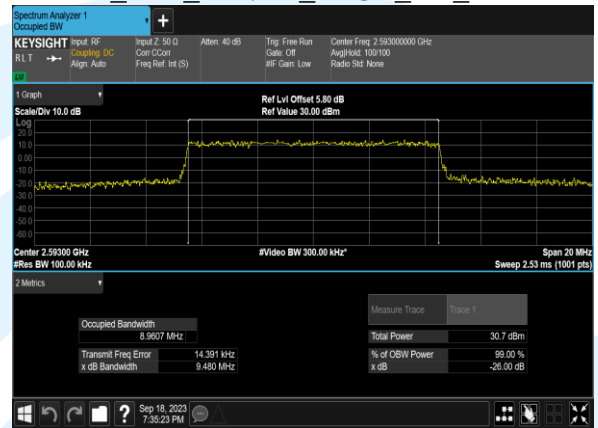
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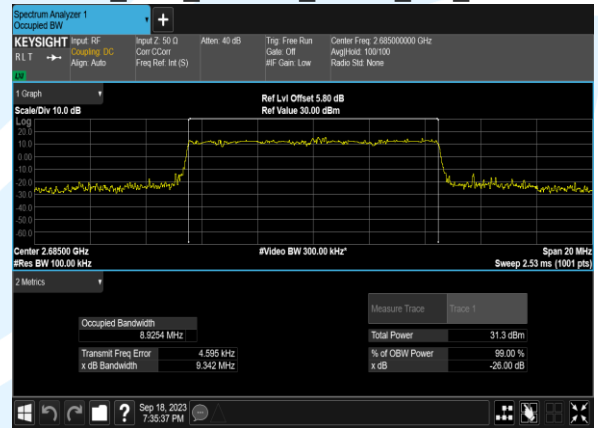
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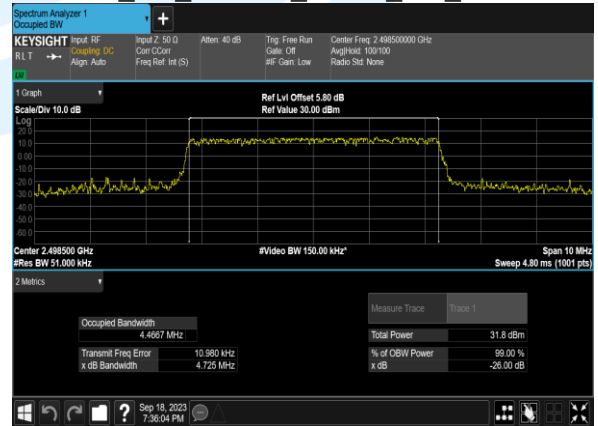
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B41_5M_16QAM_25@0_CH_39675



B41_5M_QPSK_25@0_CH_40620



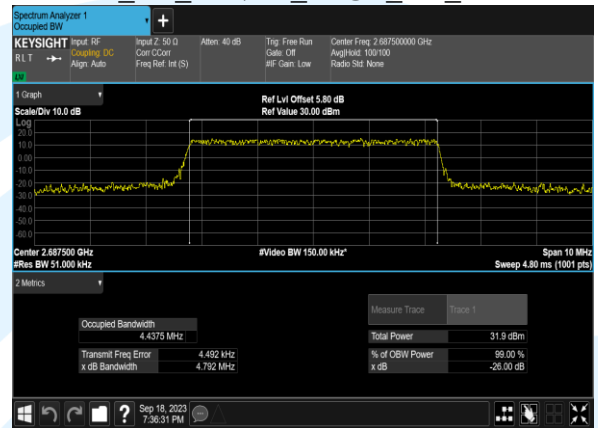
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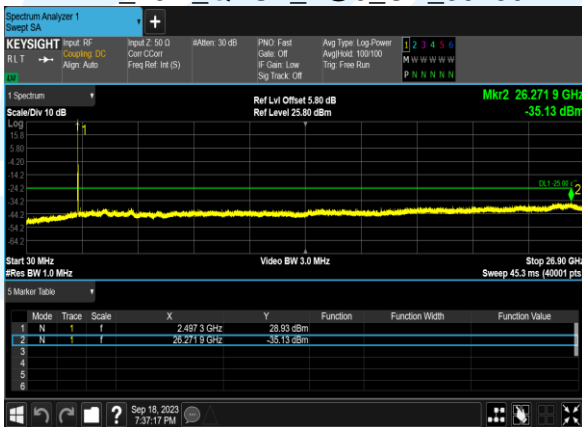


Conducted Spurious Emissions

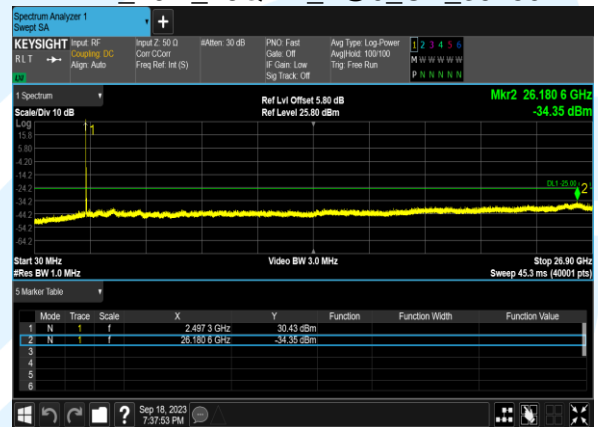
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
41	20.0	39750	2506.0	QPSK	1@0	-35.13	-25	PASS
41	20.0	39750	2506.0	16QAM	1@0	-34.35	-25	PASS
41	20.0	40620	2593.0	QPSK	1@0	-34.95	-25	PASS
41	20.0	40620	2593.0	16QAM	1@0	-35.11	-25	PASS
41	20.0	41490	2680.0	QPSK	1@0	-35.16	-25	PASS
41	20.0	41490	2680.0	16QAM	1@0	-34.92	-25	PASS
41	15.0	39725	2503.5	QPSK	1@0	-34.94	-25	PASS
41	15.0	39725	2503.5	16QAM	1@0	-34.64	-25	PASS
41	15.0	40620	2593.0	QPSK	1@0	-34.84	-25	PASS
41	15.0	40620	2593.0	16QAM	1@0	-35.34	-25	PASS
41	15.0	41515	2682.5	QPSK	1@0	-35.14	-25	PASS
41	15.0	41515	2682.5	16QAM	1@0	-35.4	-25	PASS
41	10.0	39700	2501.0	QPSK	1@0	-35.26	-25	PASS
41	10.0	39700	2501.0	16QAM	1@0	-35.09	-25	PASS
41	10.0	40620	2593.0	QPSK	1@0	-35.29	-25	PASS
41	10.0	40620	2593.0	16QAM	1@0	-35.3	-25	PASS
41	10.0	41540	2685.0	QPSK	1@0	-35.19	-25	PASS
41	10.0	41540	2685.0	16QAM	1@0	-34.99	-25	PASS
41	5.0	39675	2498.5	QPSK	1@0	-34.71	-25	PASS
41	5.0	39675	2498.5	16QAM	1@0	-34.69	-25	PASS
41	5.0	40620	2593.0	QPSK	1@0	-34.78	-25	PASS
41	5.0	40620	2593.0	16QAM	1@0	-35.66	-25	PASS
41	5.0	41565	2687.5	QPSK	1@0	-33.43	-25	PASS
41	5.0	41565	2687.5	16QAM	1@0	-34.34	-25	PASS

Test Graphs

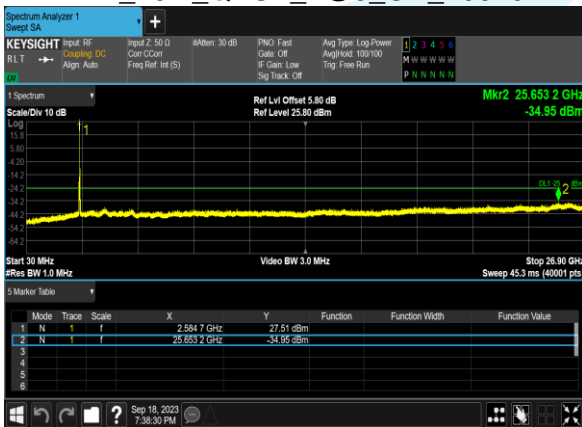
B41_20M_QPSK_1@0_CH_39750



B41_20M_16QAM_1@0_CH_39750



B41_20M_QPSK_1@0_CH_40620



B41_20M_16QAM_1@0_CH_40620

