

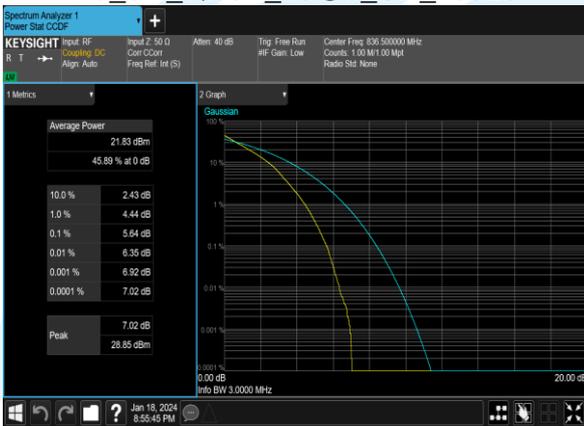
B5\_3M\_QPSK\_15@0\_CH\_20415



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



B5\_3M\_QPSK\_15@0\_CH\_20525



B5\_3M\_16QAM\_15@0\_CH\_20525



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



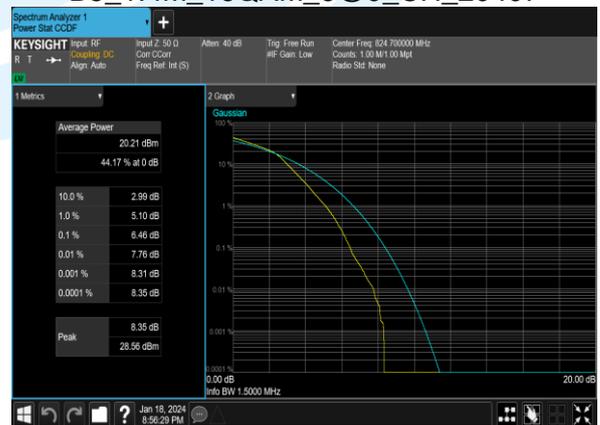
B5\_3M\_16QAM\_15@0\_CH\_20635



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



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



B5\_1.4M\_QPSK\_6@0\_CH\_20525



B5\_1.4M\_16QAM\_6@0\_CH\_20525



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



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



**Occupied Bandwidth**

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	10.0	20450	829.0	QPSK	50@0	8.9406	9.647
5	10.0	20450	829.0	16QAM	50@0	8.9324	9.573
5	10.0	20525	836.5	QPSK	50@0	8.9281	9.525
5	10.0	20525	836.5	16QAM	50@0	8.9235	9.712
5	10.0	20600	844.0	QPSK	50@0	8.9512	9.732
5	10.0	20600	844.0	16QAM	50@0	8.9281	9.608
5	5.0	20425	826.5	QPSK	25@0	4.4587	4.856
5	5.0	20425	826.5	16QAM	25@0	4.4617	4.797
5	5.0	20525	836.5	QPSK	25@0	4.4609	4.862
5	5.0	20525	836.5	16QAM	25@0	4.4507	4.891
5	5.0	20625	846.5	QPSK	25@0	4.4564	4.927
5	5.0	20625	846.5	16QAM	25@0	4.4608	4.887
5	3.0	20415	825.5	QPSK	15@0	2.6812	2.974
5	3.0	20415	825.5	16QAM	15@0	2.6740	2.947
5	3.0	20525	836.5	QPSK	15@0	2.6940	3.007
5	3.0	20525	836.5	16QAM	15@0	2.6890	2.967
5	3.0	20635	847.5	QPSK	15@0	2.6914	2.965
5	3.0	20635	847.5	16QAM	15@0	2.6746	2.961
5	1.4	20407	824.7	QPSK	6@0	1.0754	1.215
5	1.4	20407	824.7	16QAM	6@0	1.0821	1.225
5	1.4	20525	836.5	QPSK	6@0	1.0802	1.221
5	1.4	20525	836.5	16QAM	6@0	1.0706	1.212
5	1.4	20643	848.3	QPSK	6@0	1.0802	1.221
5	1.4	20643	848.3	16QAM	6@0	1.0798	1.221

**Test Graphs**

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



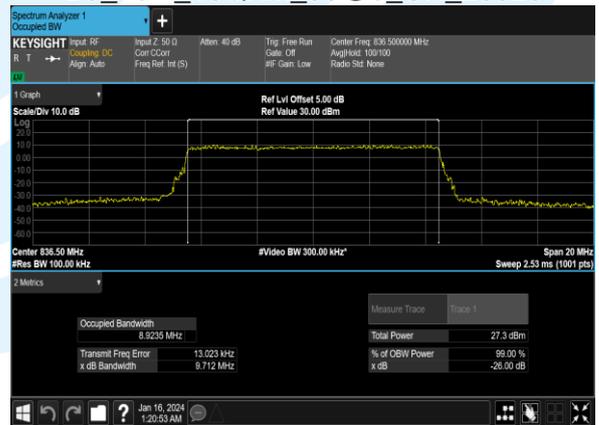
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B5\_10M\_QPSK\_50@0\_CH\_20525



B5\_10M\_16QAM\_50@0\_CH\_20525



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



B5\_10M\_16QAM\_50@0\_CH\_20600



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



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



B5\_5M\_QPSK\_25@0\_CH\_20525



B5\_5M\_16QAM\_25@0\_CH\_20525



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



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



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



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



B5\_3M\_QPSK\_15@0\_CH\_20525



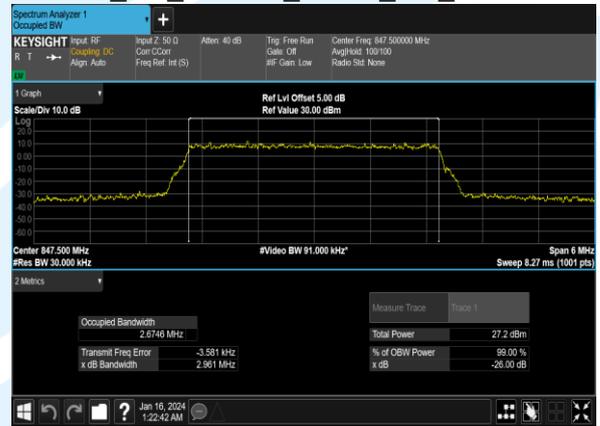
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B5\_3M\_QPSK\_15@0\_CH\_20635



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



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



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



B5\_1.4M\_QPSK\_6@0\_CH\_20525



B5\_1.4M\_16QAM\_6@0\_CH\_20525



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



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



## Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

## 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	-30.69	-13	PASS
5	10.0	20450	829.0	16QAM	1@0	-29.84	-13	PASS
5	10.0	20525	836.5	QPSK	1@0	-29.99	-13	PASS
5	10.0	20525	836.5	16QAM	1@0	-30.68	-13	PASS
5	10.0	20600	844.0	QPSK	1@0	-30.76	-13	PASS
5	10.0	20600	844.0	16QAM	1@0	-31.33	-13	PASS
5	5.0	20425	826.5	QPSK	1@0	-30.77	-13	PASS
5	5.0	20425	826.5	16QAM	1@0	-30.97	-13	PASS
5	5.0	20525	836.5	QPSK	1@0	-31.02	-13	PASS
5	5.0	20525	836.5	16QAM	1@0	-30.89	-13	PASS
5	5.0	20625	846.5	QPSK	1@0	-30.43	-13	PASS
5	5.0	20625	846.5	16QAM	1@0	-30.47	-13	PASS
5	3.0	20415	825.5	QPSK	1@0	-30.72	-13	PASS
5	3.0	20415	825.5	16QAM	1@0	-30.38	-13	PASS
5	3.0	20525	836.5	QPSK	1@0	-30.49	-13	PASS
5	3.0	20525	836.5	16QAM	1@0	-29.64	-13	PASS
5	3.0	20635	847.5	QPSK	1@0	-31.11	-13	PASS
5	3.0	20635	847.5	16QAM	1@0	-30.61	-13	PASS
5	1.4	20407	824.7	QPSK	1@0	-30.53	-13	PASS
5	1.4	20407	824.7	16QAM	1@0	-31.07	-13	PASS
5	1.4	20525	836.5	QPSK	1@0	-31.02	-13	PASS
5	1.4	20525	836.5	16QAM	1@0	-30.68	-13	PASS
5	1.4	20643	848.3	QPSK	1@0	-30.52	-13	PASS
5	1.4	20643	848.3	16QAM	1@0	-30.77	-13	PASS

## Test Graphs

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



B5\_10M\_16QAM\_1@0\_CH\_20450



B5\_10M\_QPSK\_1@0\_CH\_20525



B5\_10M\_16QAM\_1@0\_CH\_20525



B5\_10M\_QPSK\_1@0\_CH\_20600



B5\_10M\_16QAM\_1@0\_CH\_20600



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



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



B5\_5M\_QPSK\_1@0\_CH\_20525



B5\_5M\_16QAM\_1@0\_CH\_20525



B5\_5M\_QPSK\_1@0\_CH\_20625



B5\_5M\_16QAM\_1@0\_CH\_20625



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



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



B5\_3M\_QPSK\_1@0\_CH\_20525



B5\_3M\_16QAM\_1@0\_CH\_20525



B5\_3M\_QPSK\_1@0\_CH\_20635



B5\_3M\_16QAM\_1@0\_CH\_20635



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



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



B5\_1.4M\_QPSK\_1@0\_CH\_20525



B5\_1.4M\_16QAM\_1@0\_CH\_20525



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



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



## 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	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	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	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	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	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	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	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

## Test Graphs

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



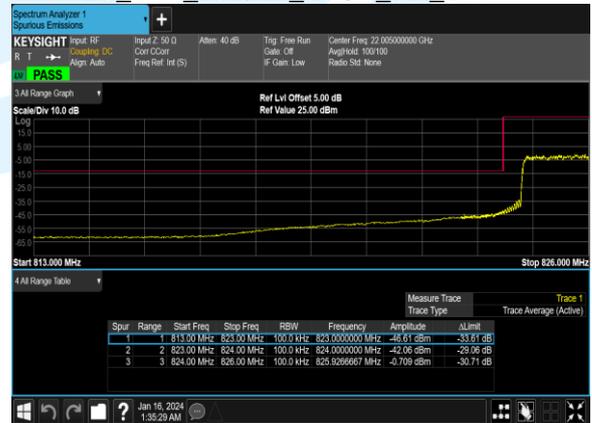
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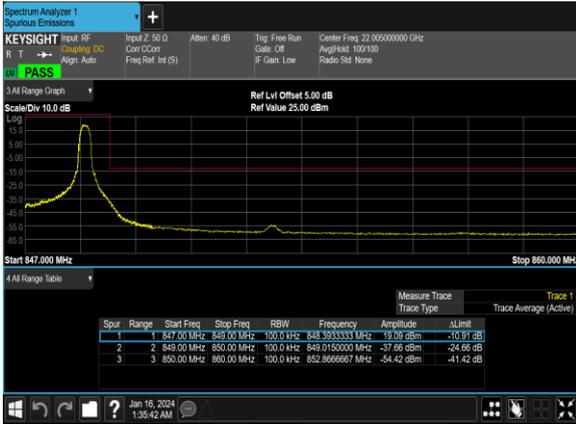
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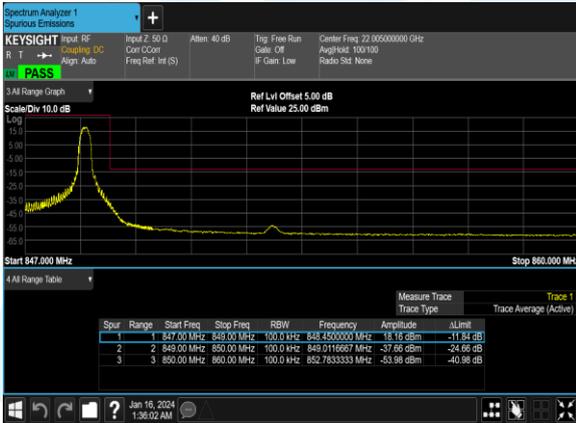
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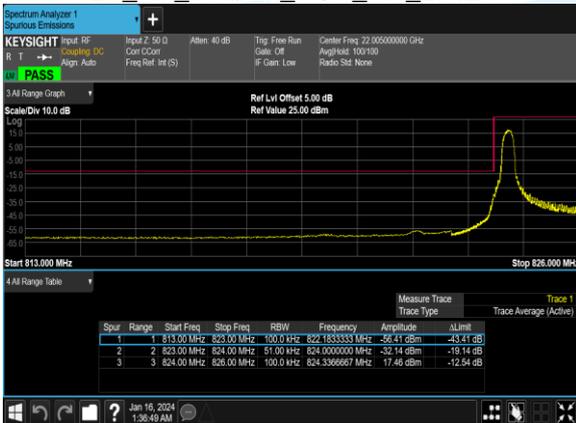
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B5\_5M\_16QAM\_1@0\_CH\_20425



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



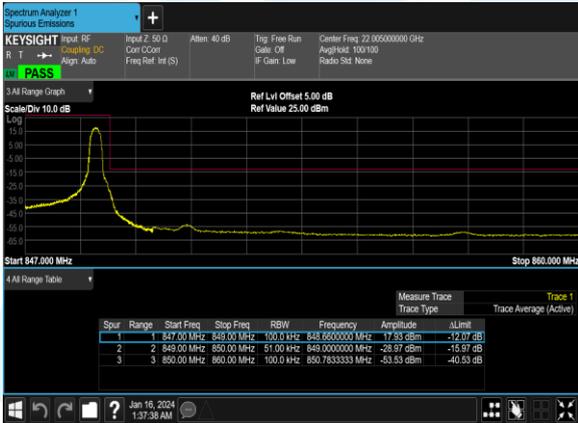
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B5\_5M\_16QAM\_1@24\_CH\_20625



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



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



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



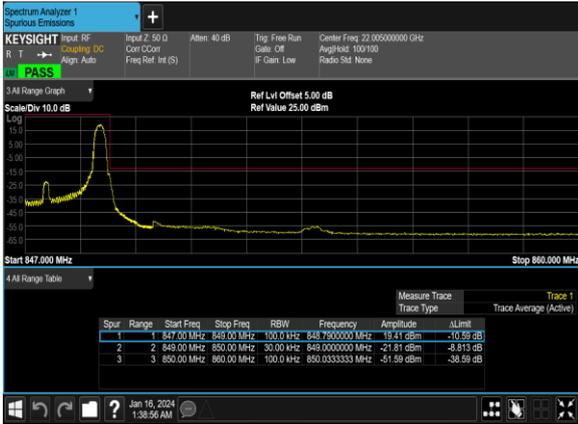
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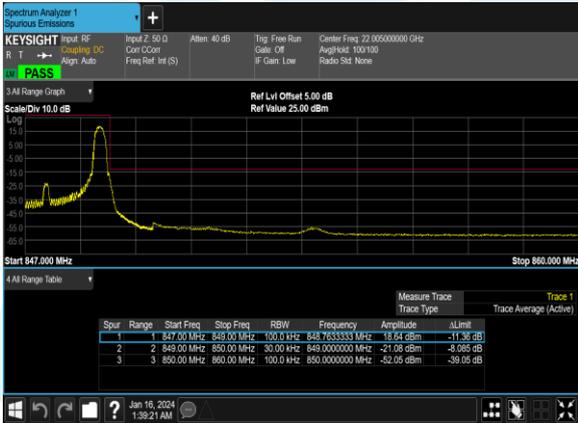
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B5\_3M\_QPSK\_15@0\_CH\_20635



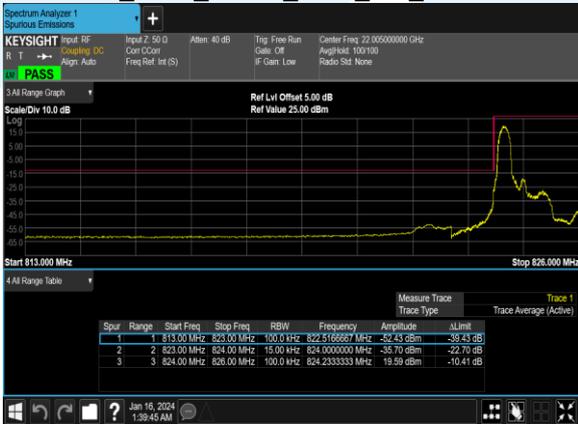
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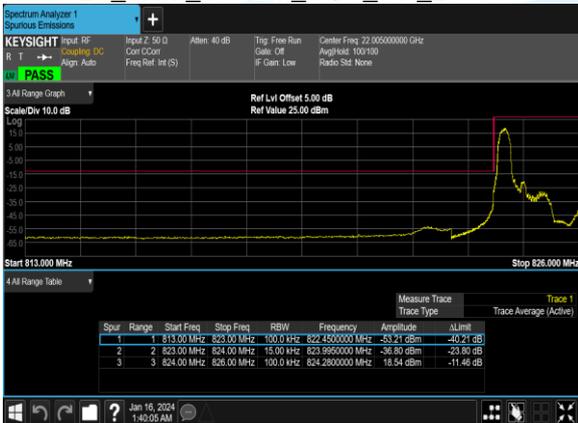
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B5\_1.4M\_QPSK\_6@0\_CH\_20407



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



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

