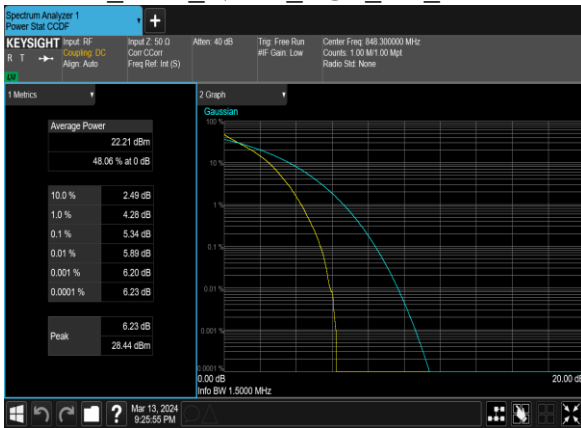
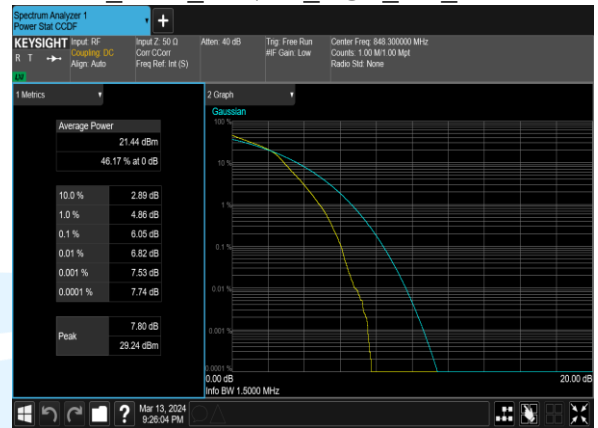


B5_1.4M_QPSK_6@0_CH_20643



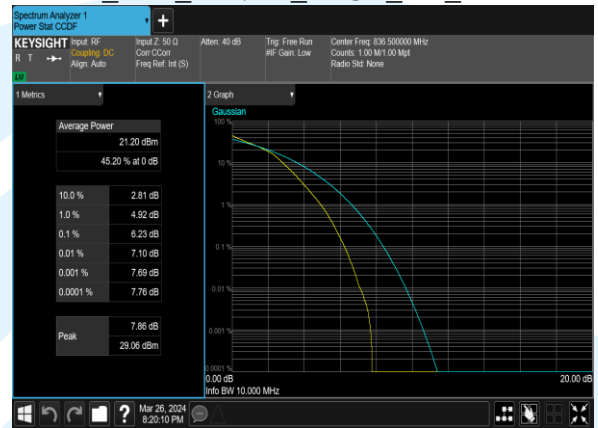
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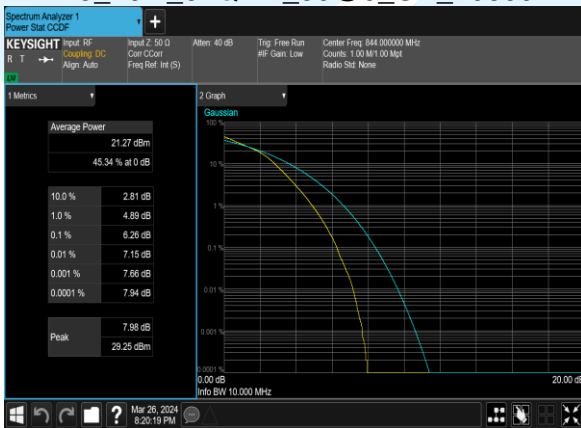
B5_10M_64QAM_50@0_CH_20450



B5_10M_64QAM_50@0_CH_20525



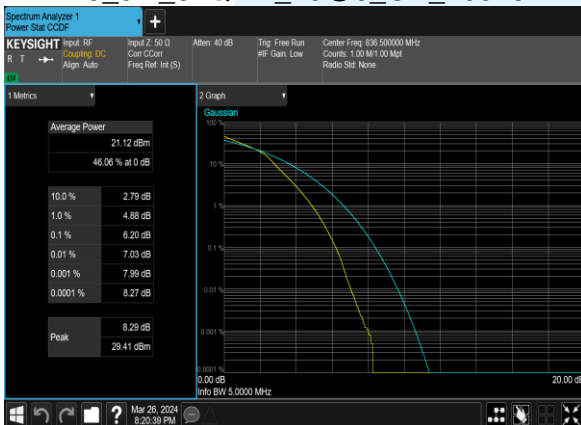
B5_10M_64QAM_50@0_CH_20600



B5_5M_64QAM_25@0_CH_20425



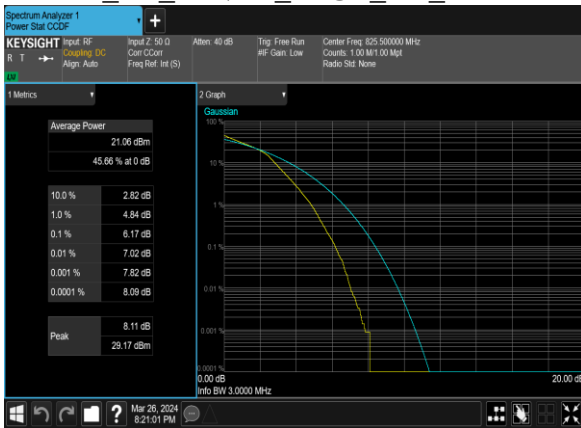
B5_5M_64QAM_25@0_CH_20525



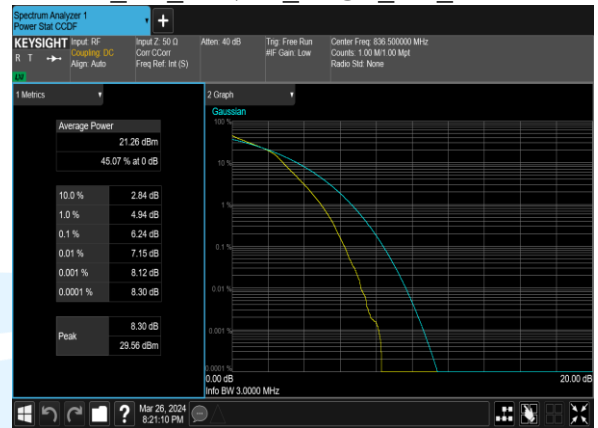
B5_5M_64QAM_25@0_CH_20625



B5_3M_64QAM_15@0_CH_20415



B5_3M_64QAM_15@0_CH_20525



B5_3M_64QAM_15@0_CH_20635



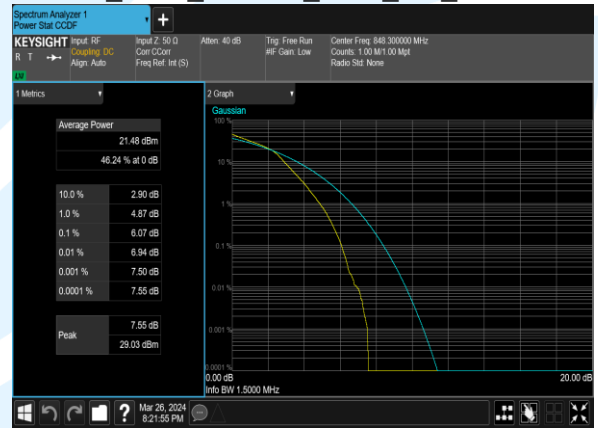
B5_1.4M_64QAM_6@0_CH_20407



B5_1.4M_64QAM_6@0_CH_20525



B5_1.4M_64QAM_6@0_CH_20643



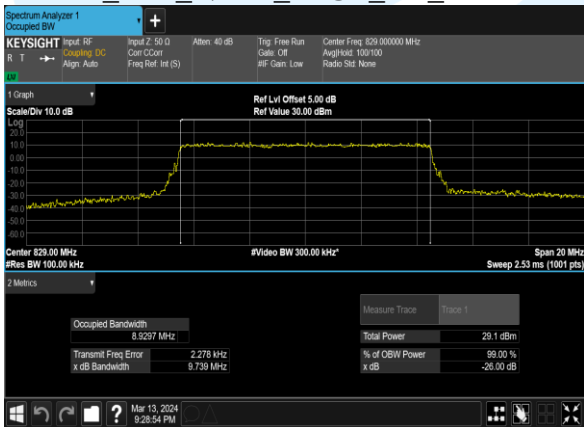
Occupied Bandwidth

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	10.0	20450	829.0	QPSK	50@0	8.9297	9.739
5	10.0	20450	829.0	16QAM	50@0	8.9387	9.622
5	10.0	20525	836.5	QPSK	50@0	8.9427	9.730
5	10.0	20525	836.5	16QAM	50@0	8.9556	9.619
5	10.0	20600	844.0	QPSK	50@0	8.9286	9.593
5	10.0	20600	844.0	16QAM	50@0	8.9367	9.607
5	5.0	20425	826.5	QPSK	25@0	4.4701	4.893
5	5.0	20425	826.5	16QAM	25@0	4.4520	4.848
5	5.0	20525	836.5	QPSK	25@0	4.4590	4.874
5	5.0	20525	836.5	16QAM	25@0	4.4638	4.847
5	5.0	20625	846.5	QPSK	25@0	4.4541	4.825
5	5.0	20625	846.5	16QAM	25@0	4.4613	4.902
5	3.0	20415	825.5	QPSK	15@0	2.6868	2.959
5	3.0	20415	825.5	16QAM	15@0	2.6762	2.961
5	3.0	20525	836.5	QPSK	15@0	2.6823	2.979
5	3.0	20525	836.5	16QAM	15@0	2.6802	2.972
5	3.0	20635	847.5	QPSK	15@0	2.6870	2.943
5	3.0	20635	847.5	16QAM	15@0	2.6862	3.003
5	1.4	20407	824.7	QPSK	6@0	1.0791	1.209
5	1.4	20407	824.7	16QAM	6@0	1.0796	1.220
5	1.4	20525	836.5	QPSK	6@0	1.0790	1.218
5	1.4	20525	836.5	16QAM	6@0	1.0769	1.216
5	1.4	20643	848.3	QPSK	6@0	1.0819	1.214
5	1.4	20643	848.3	16QAM	6@0	1.0782	1.217

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	10.0	20450	829.0	64QAM	50@0	8.9373	9.684
5	10.0	20525	836.5	64QAM	50@0	8.9409	9.592
5	10.0	20600	844.0	64QAM	50@0	8.9309	9.536
5	5.0	20425	826.5	64QAM	25@0	4.4481	4.890
5	5.0	20525	836.5	64QAM	25@0	4.4593	4.874
5	5.0	20625	846.5	64QAM	25@0	4.4578	4.871
5	3.0	20415	825.5	64QAM	15@0	2.6826	2.947
5	3.0	20525	836.5	64QAM	15@0	2.6855	2.979
5	3.0	20635	847.5	64QAM	15@0	2.6843	2.958
5	1.4	20407	824.7	64QAM	6@0	1.0806	1.222
5	1.4	20525	836.5	64QAM	6@0	1.0754	1.209
5	1.4	20643	848.3	64QAM	6@0	1.0776	1.210

Test Graphs

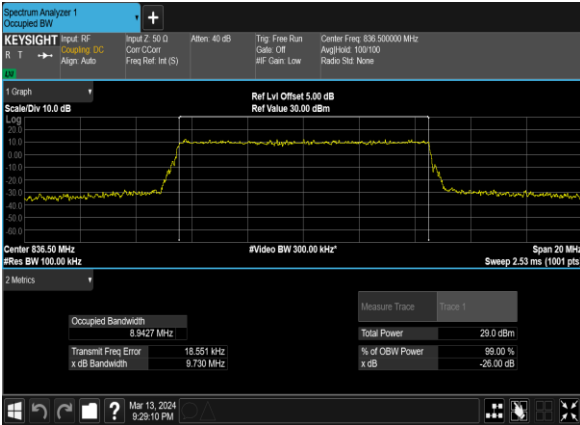
B5_10M_QPSK_50@0_CH_20450



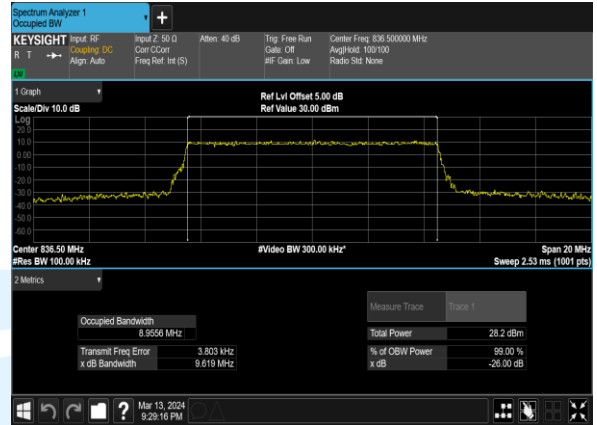
B5_10M_16QAM_50@0_CH_20450



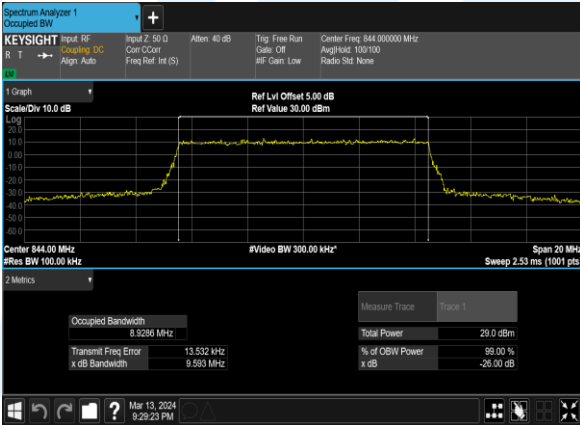
B5_10M_QPSK_50@0_CH_20525



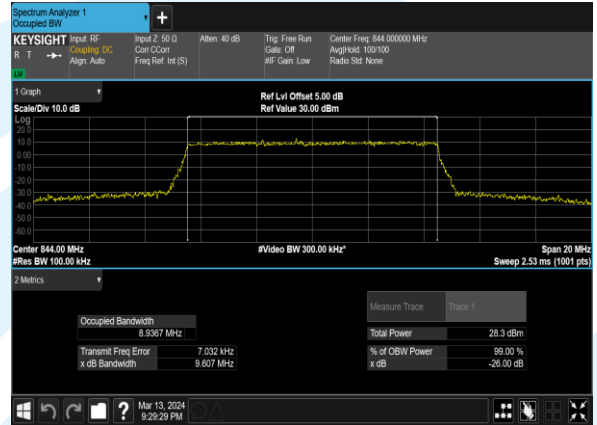
B5_10M_16QAM_50@0_CH_20525



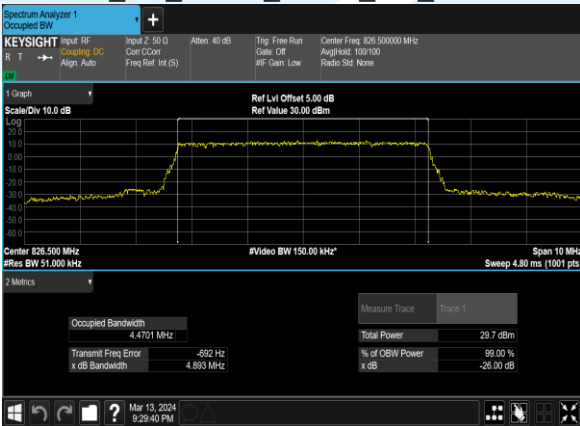
B5_10M_QPSK_50@0_CH_20600



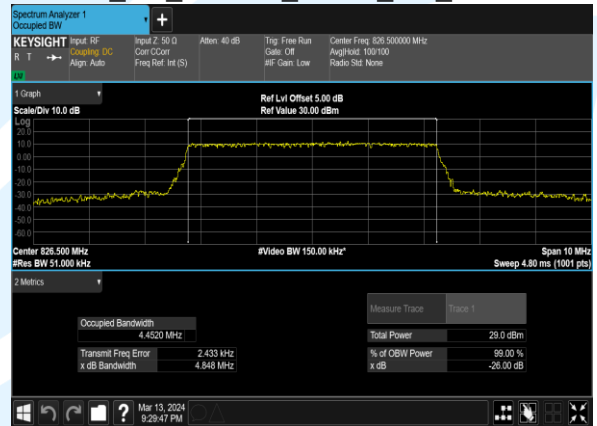
B5_10M_16QAM_50@0_CH_20600



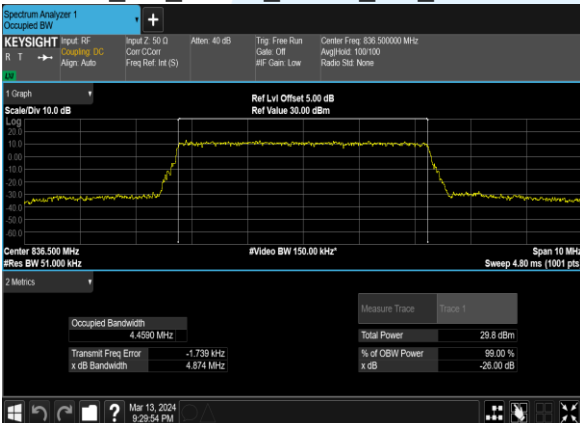
B5_5M_QPSK_25@0_CH_20425



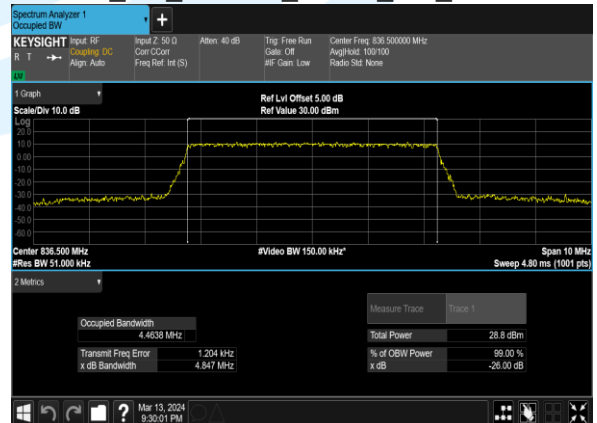
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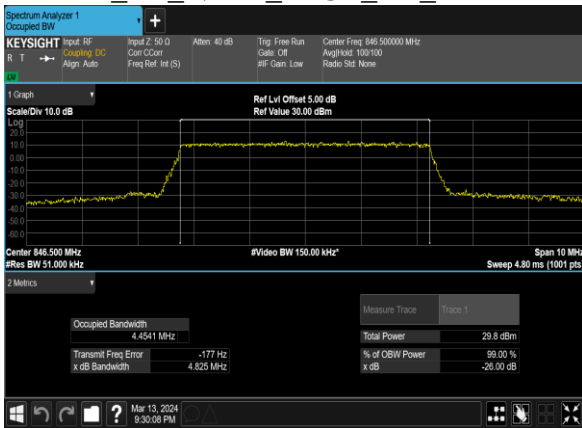
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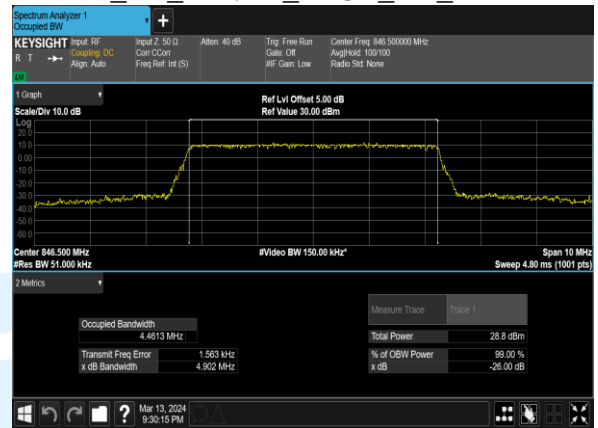
B5_5M_16QAM_25@0_CH_20525



B5_5M_QPSK_25@0_CH_20625



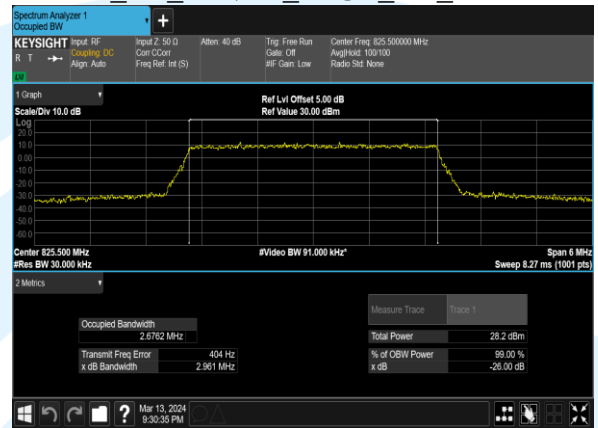
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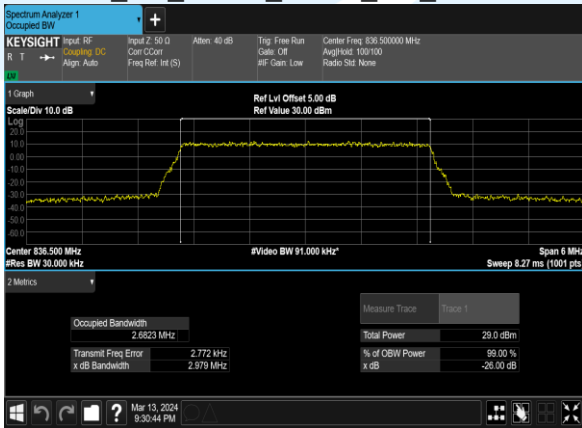
B5_3M_QPSK_15@0_CH_20415



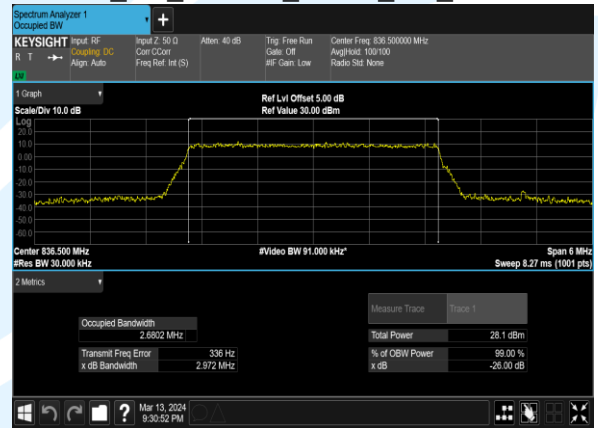
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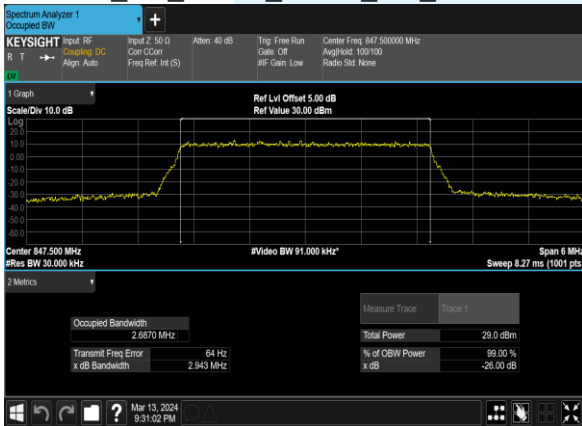
B5_3M_QPSK_15@0_CH_20525



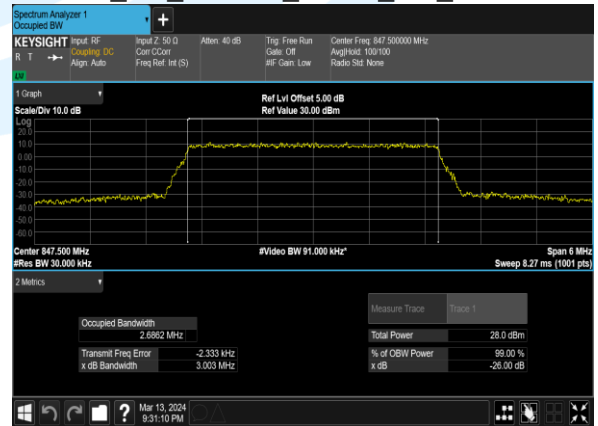
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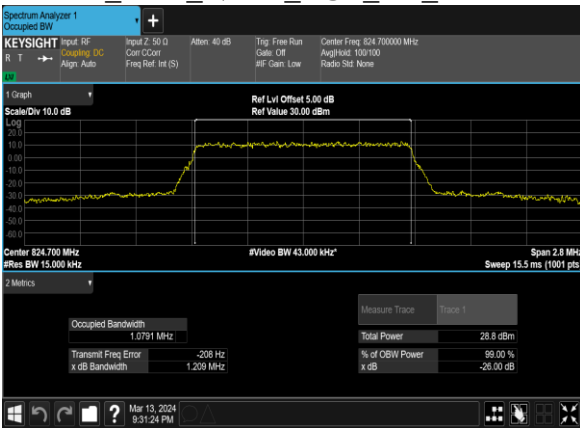
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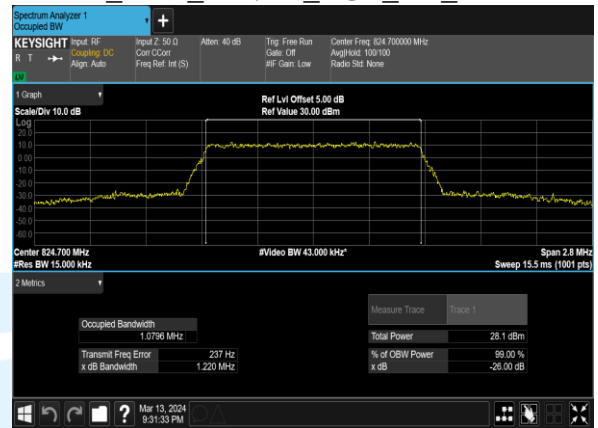
B5_3M_16QAM_15@0_CH_20635



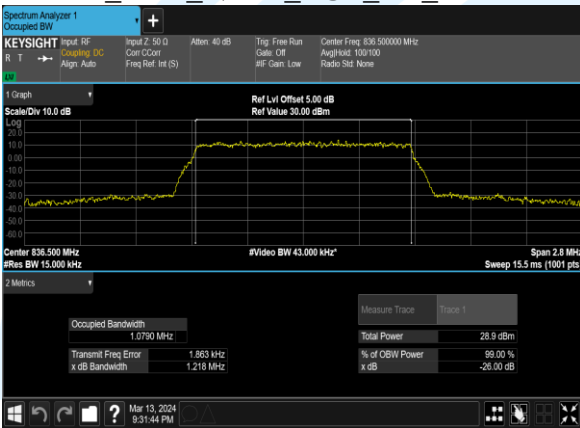
B5_1.4M_QPSK_6@0_CH_20407



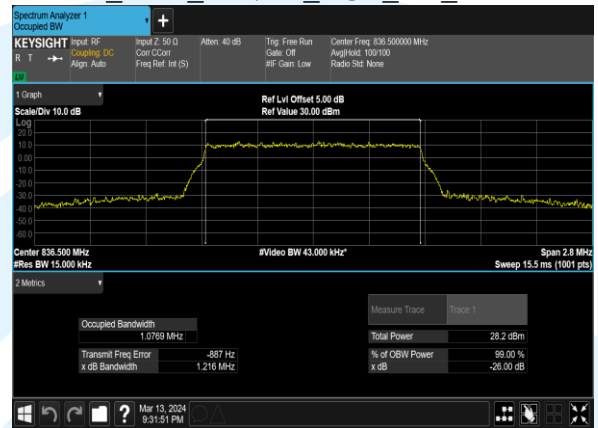
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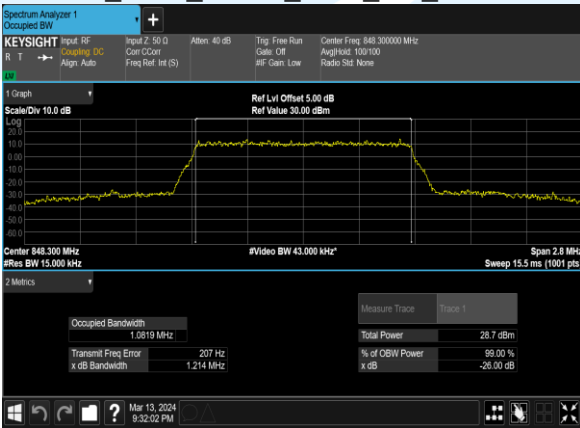
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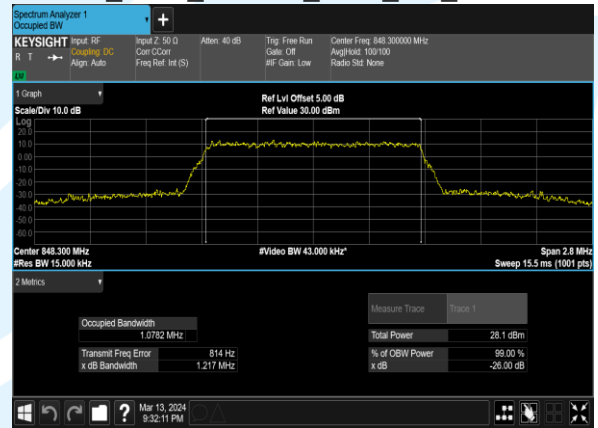
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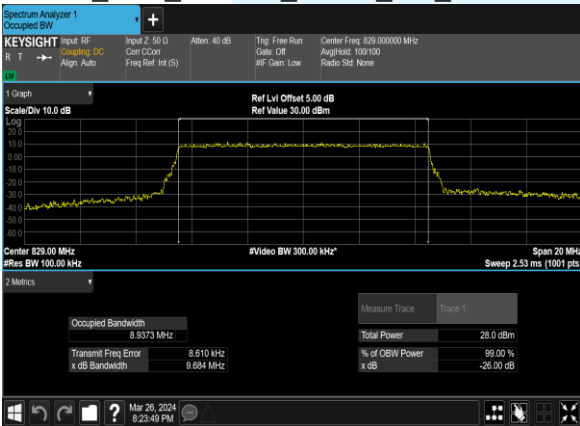
B5_1.4M_QPSK_6@0_CH_20643



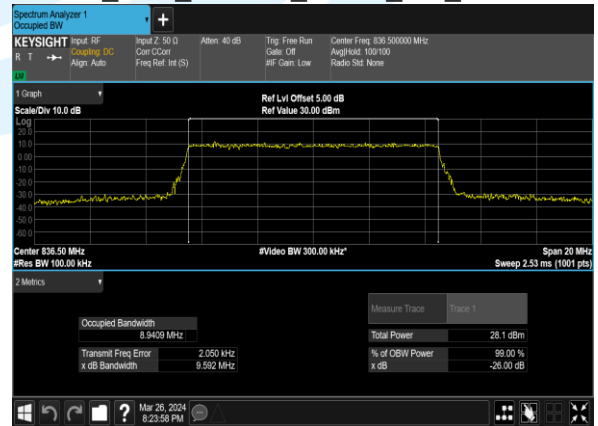
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B5_10M_64QAM_50@0_CH_20450



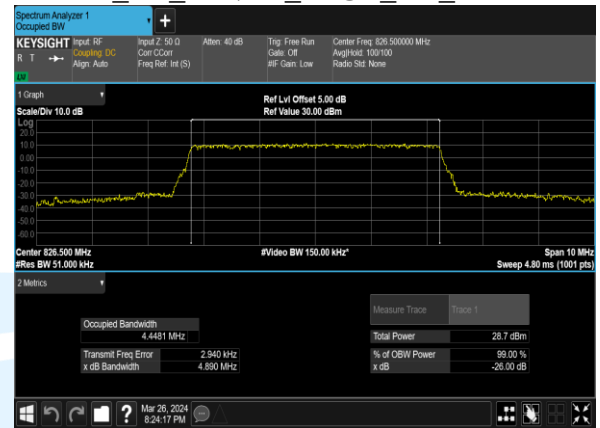
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B5_10M_64QAM_50@0_CH_20600



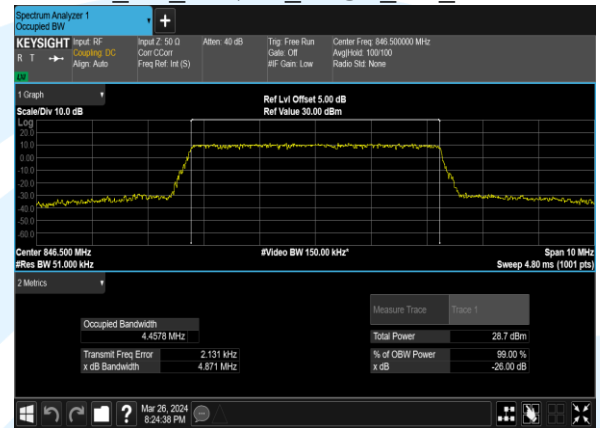
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B5_5M_64QAM_25@0_CH_20525



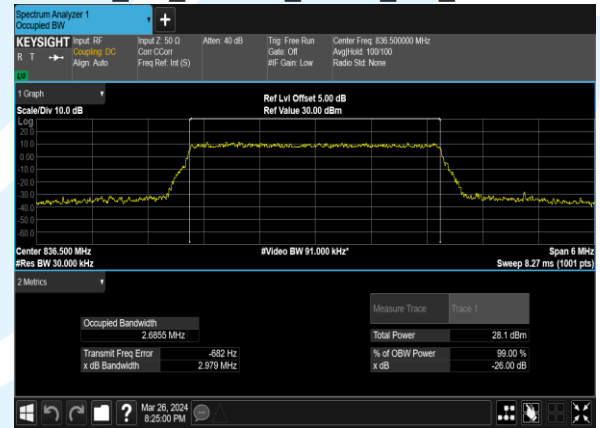
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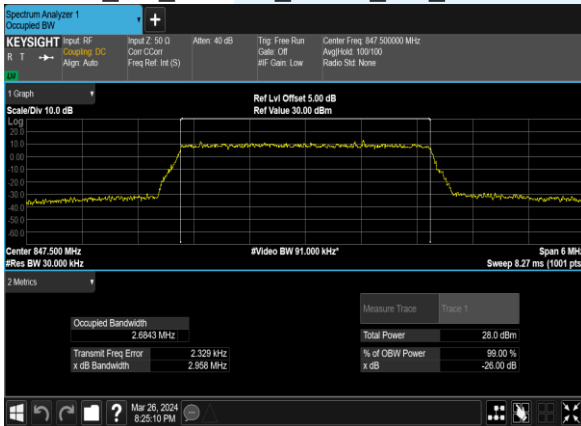
B5_3M_64QAM_15@0_CH_20415



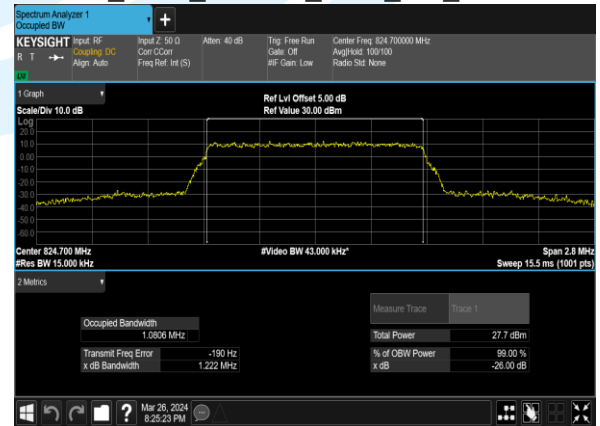
B5_3M_64QAM_15@0_CH_20525



B5_3M_64QAM_15@0_CH_20635



B5_1.4M_64QAM_6@0_CH_20407



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

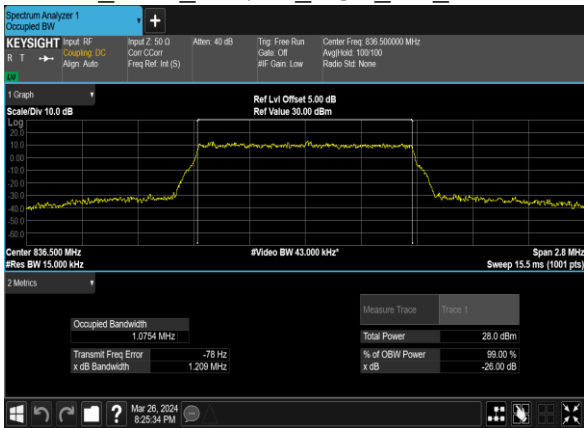
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

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B5_1.4M_64QAM_6@0_CH_20525



B5_1.4M_64QAM_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

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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	-31.63	-13	PASS
5	10.0	20450	829.0	16QAM	1@0	-31.45	-13	PASS
5	10.0	20525	836.5	QPSK	1@0	-30.05	-13	PASS
5	10.0	20525	836.5	16QAM	1@0	-30.32	-13	PASS
5	10.0	20600	844.0	QPSK	1@0	-30.33	-13	PASS
5	10.0	20600	844.0	16QAM	1@0	-31.17	-13	PASS
5	5.0	20425	826.5	QPSK	1@0	-30.14	-13	PASS
5	5.0	20425	826.5	16QAM	1@0	-30.74	-13	PASS
5	5.0	20525	836.5	QPSK	1@0	-31.22	-13	PASS
5	5.0	20525	836.5	16QAM	1@0	-31.09	-13	PASS
5	5.0	20625	846.5	QPSK	1@0	-29.96	-13	PASS
5	5.0	20625	846.5	16QAM	1@0	-31.26	-13	PASS
5	3.0	20415	825.5	QPSK	1@0	-31.1	-13	PASS
5	3.0	20415	825.5	16QAM	1@0	-31.34	-13	PASS
5	3.0	20525	836.5	QPSK	1@0	-30.88	-13	PASS
5	3.0	20525	836.5	16QAM	1@0	-29.72	-13	PASS
5	3.0	20635	847.5	QPSK	1@0	-30.81	-13	PASS
5	3.0	20635	847.5	16QAM	1@0	-30.18	-13	PASS
5	1.4	20407	824.7	QPSK	1@0	-30.26	-13	PASS
5	1.4	20407	824.7	16QAM	1@0	-31.09	-13	PASS
5	1.4	20525	836.5	QPSK	1@0	-30.29	-13	PASS
5	1.4	20525	836.5	16QAM	1@0	-31.04	-13	PASS
5	1.4	20643	848.3	QPSK	1@0	-29.84	-13	PASS
5	1.4	20643	848.3	16QAM	1@0	-30.67	-13	PASS

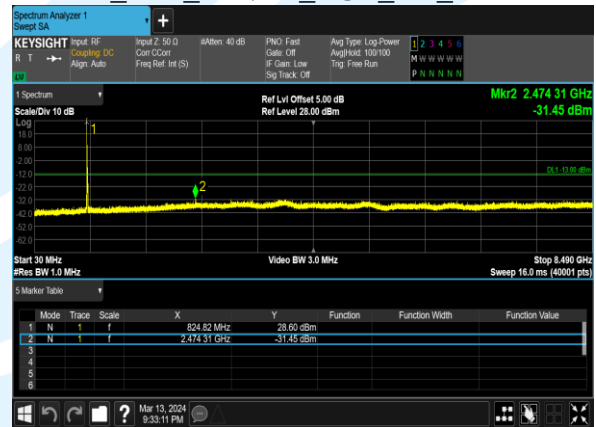
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
5	10.0	20450	829.0	64QAM	1@0	-30.46	-13	PASS
5	10.0	20525	836.5	64QAM	1@0	-30.22	-13	PASS
5	10.0	20600	844.0	64QAM	1@0	-30.22	-13	PASS
5	5.0	20425	826.5	64QAM	1@0	-30.8	-13	PASS
5	5.0	20525	836.5	64QAM	1@0	-30.24	-13	PASS
5	5.0	20625	846.5	64QAM	1@0	-29.95	-13	PASS
5	3.0	20415	825.5	64QAM	1@0	-30.72	-13	PASS
5	3.0	20525	836.5	64QAM	1@0	-30.55	-13	PASS
5	3.0	20635	847.5	64QAM	1@0	-30.68	-13	PASS
5	1.4	20407	824.7	64QAM	1@0	-30.53	-13	PASS
5	1.4	20525	836.5	64QAM	1@0	-30.44	-13	PASS
5	1.4	20643	848.3	64QAM	1@0	-30.04	-13	PASS

Test Graphs

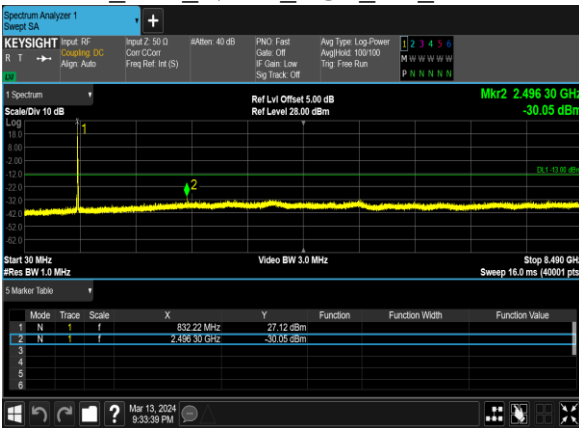
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B5_10M_16QAM_1@0_CH_20450



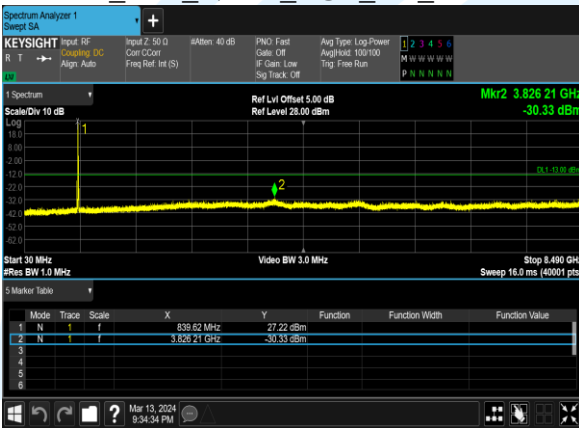
B5_10M_QPSK_1@0_CH_20525



B5_10M_16QAM_1@0_CH_20525



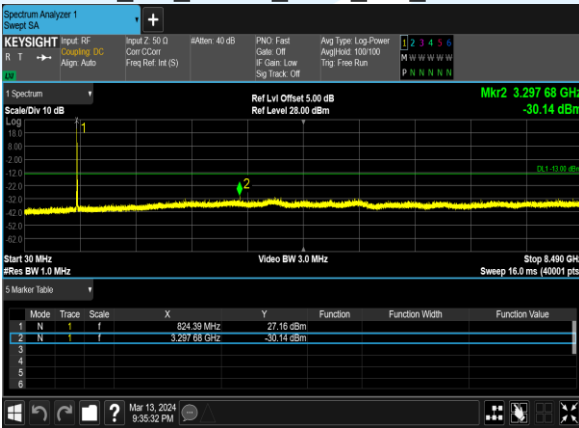
B5_10M_QPSK_1@0_CH_20600



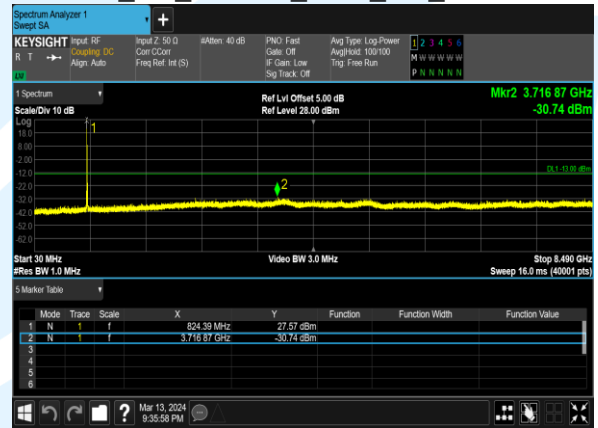
B5_10M_16QAM_1@0_CH_20600



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



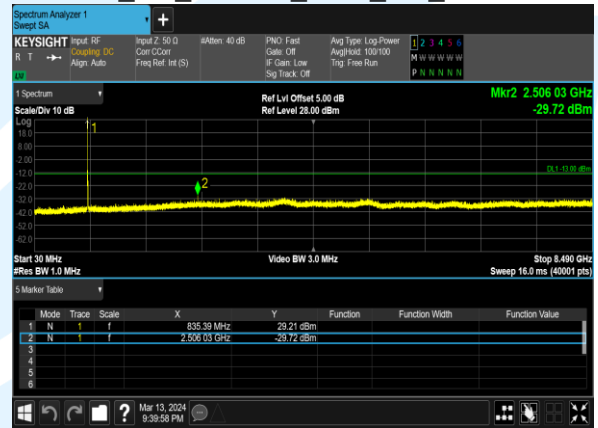
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B5_3M_QPSK_1@0_CH_20525



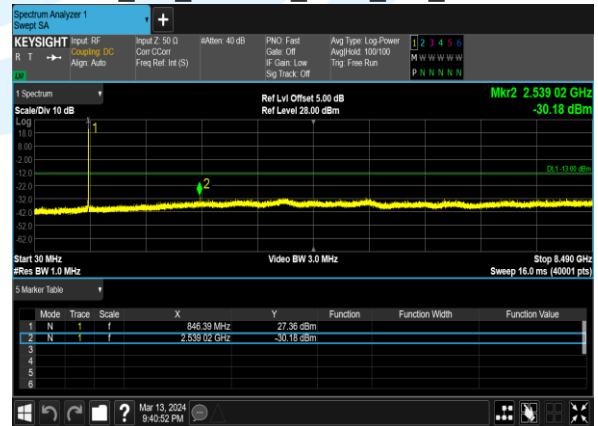
B5_3M_16QAM_1@0_CH_20525



B5_3M_QPSK_1@0_CH_20635



B5_3M_16QAM_1@0_CH_20635



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

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B5_1.4M_QPSK_1@0_CH_20407



B5_1.4M_16QAM_1@0_CH_20407



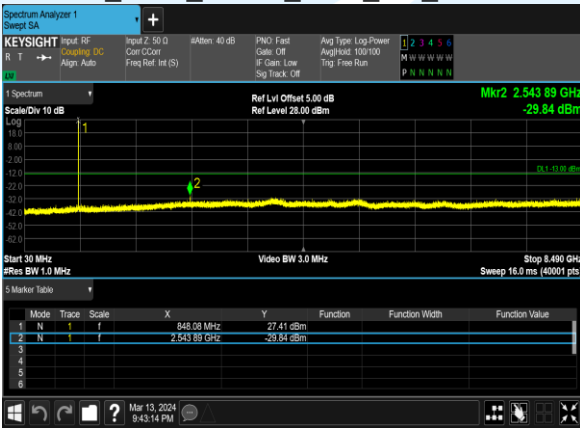
B5_1.4M_QPSK_1@0_CH_20525



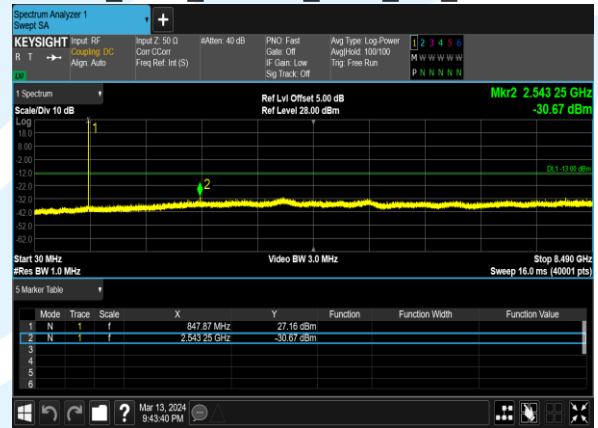
B5_1.4M_16QAM_1@0_CH_20525



B5_1.4M_QPSK_1@0_CH_20643



B5_1.4M_16QAM_1@0_CH_20643



B5_10M_64QAM_1@0_CH_20450



B5_10M_64QAM_1@0_CH_20525



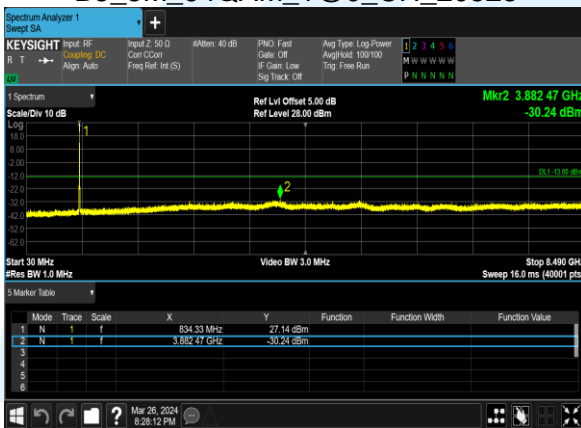
B5_10M_64QAM_1@0_CH_20600



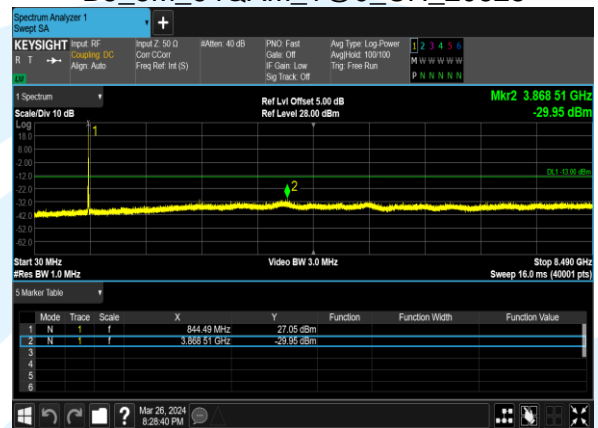
B5_5M_64QAM_1@0_CH_20425



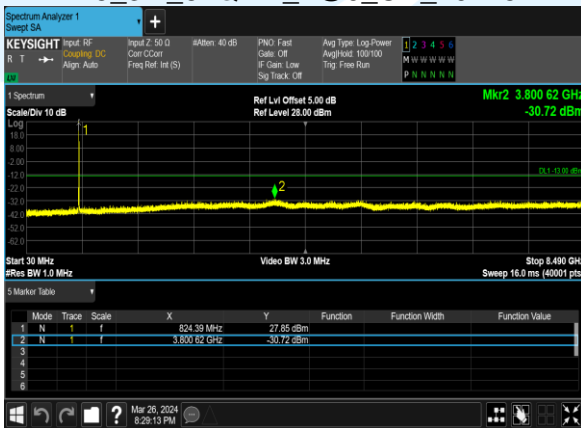
B5_5M_64QAM_1@0_CH_20525



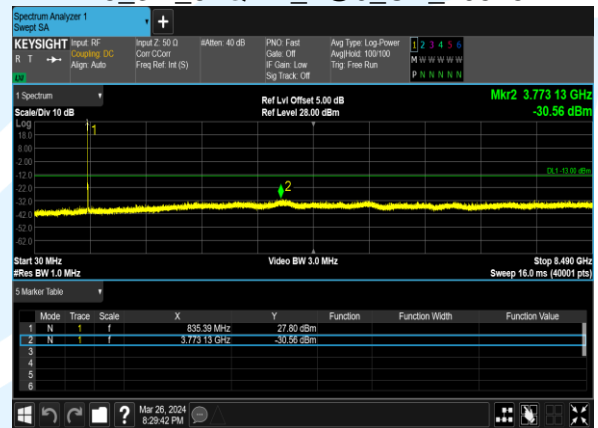
B5_5M_64QAM_1@0_CH_20625



B5_3M_64QAM_1@0_CH_20415



B5_3M_64QAM_1@0_CH_20525



B5_3M_64QAM_1@0_CH_20635



B5_1.4M_64QAM_1@0_CH_20407



B5_1.4M_64QAM_1@0_CH_20525



B5_1.4M_64QAM_1@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>

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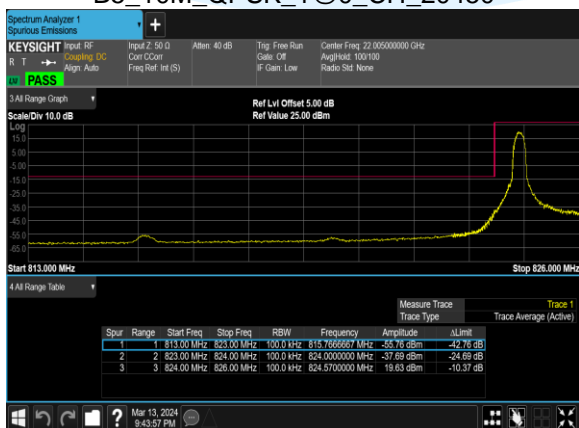
Conducted Band Edge

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	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	1@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

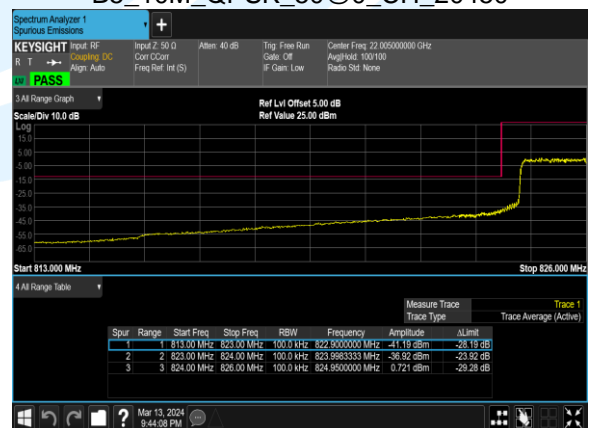
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
5	10.0	20450	829.0	64QAM	1@0	see graph	PASS
5	10.0	20450	829.0	64QAM	50@0	see graph	PASS
5	10.0	20600	844.0	64QAM	1@49	see graph	PASS
5	10.0	20600	844.0	64QAM	50@0	see graph	PASS
5	5.0	20425	826.5	64QAM	1@0	see graph	PASS
5	5.0	20425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

Test Graphs

B5_10M_QPSK_1@0_CH_20450



B5_10M_QPSK_50@0_CH_20450



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>

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