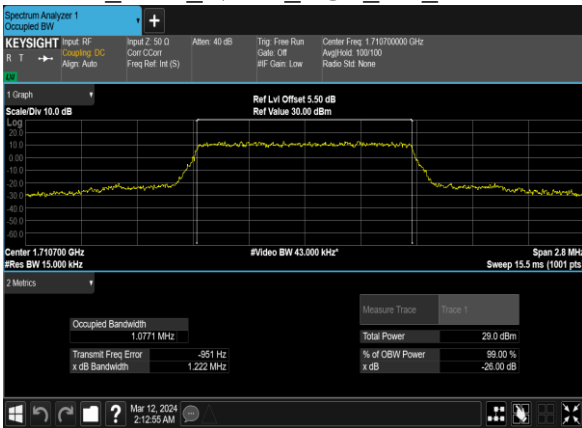


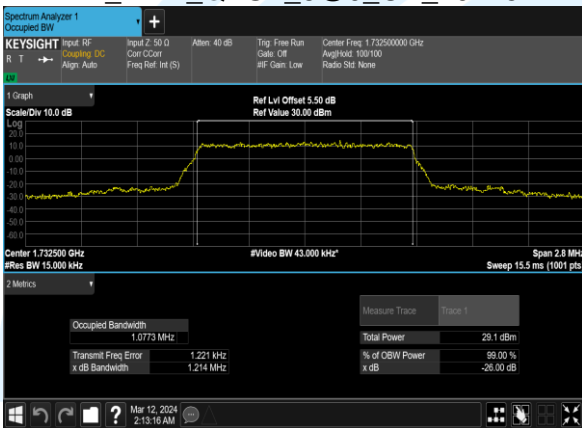
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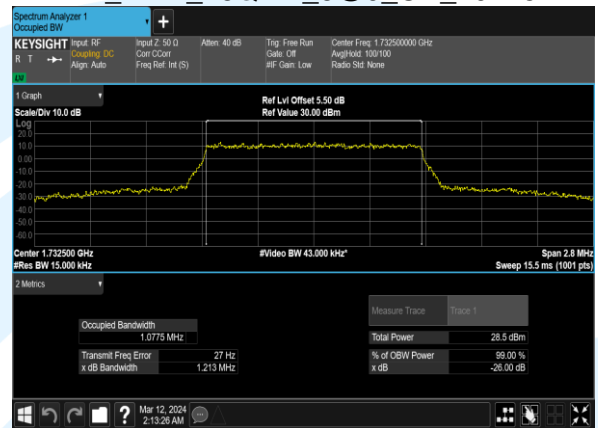
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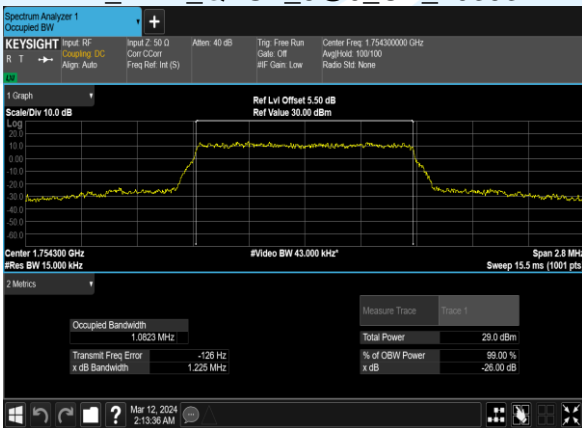
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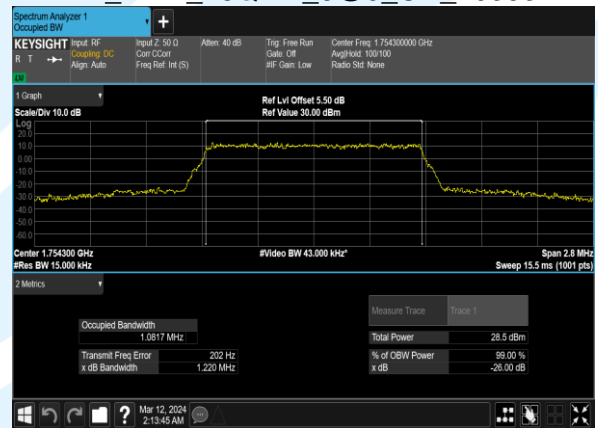
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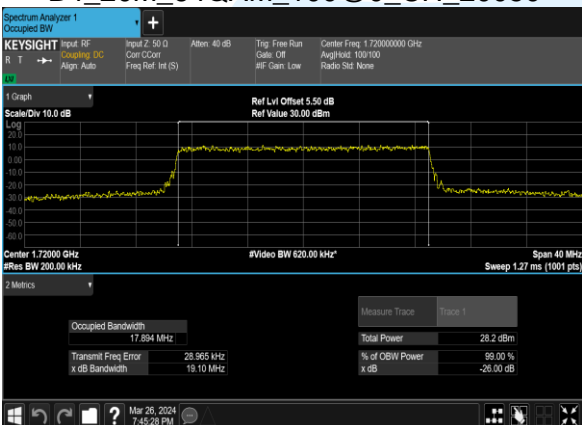
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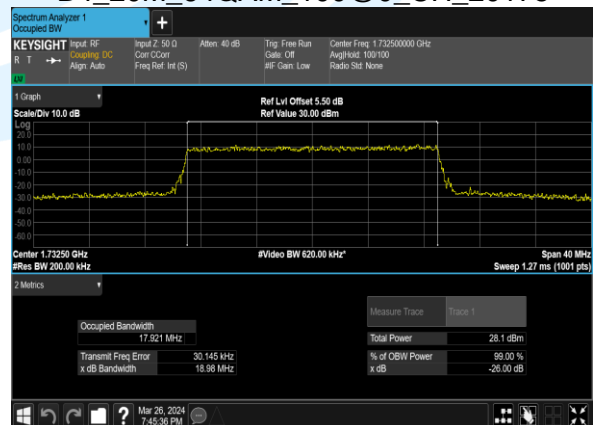
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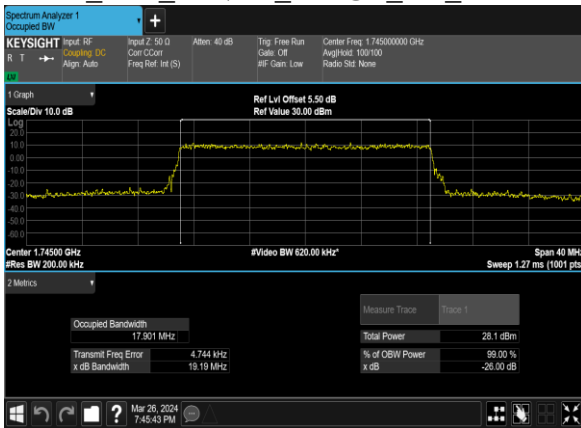
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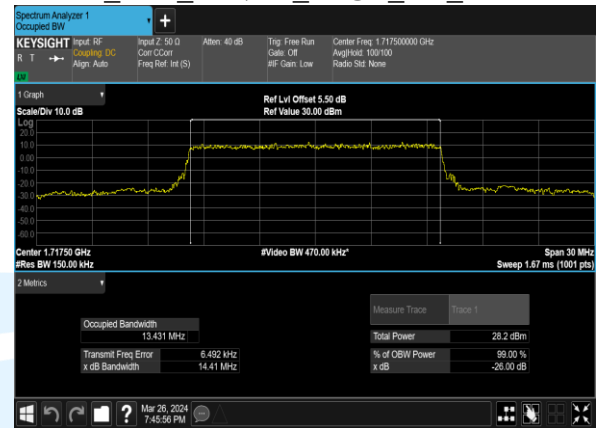
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B4_20M_64QAM_100@0_CH_20300



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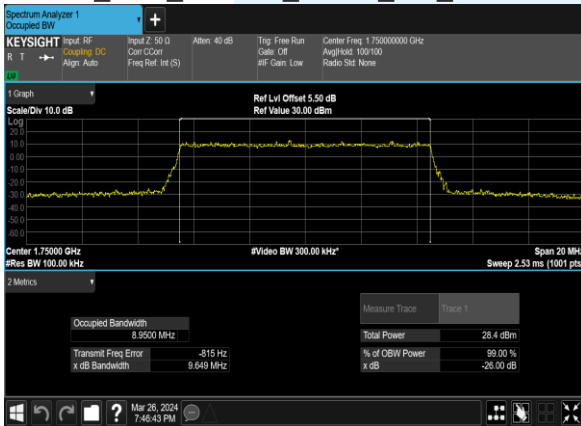
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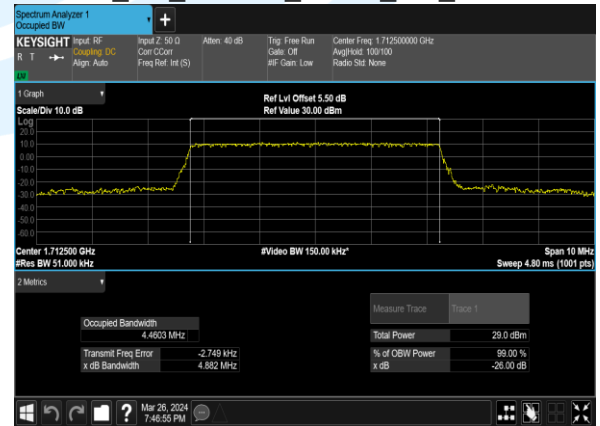
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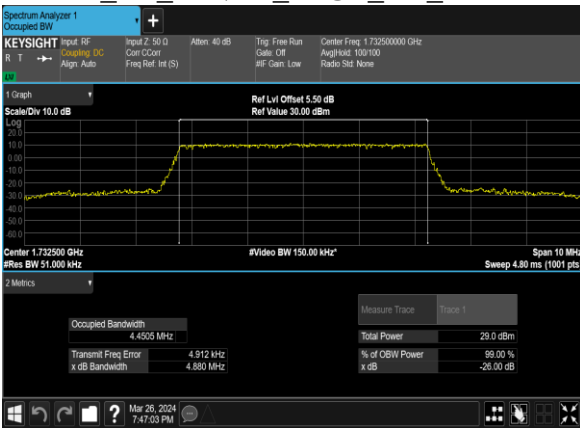
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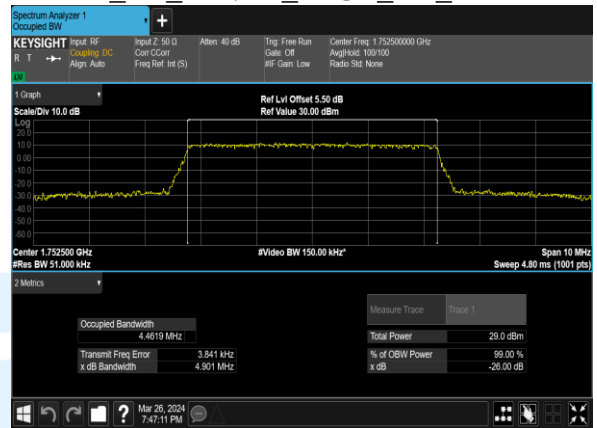
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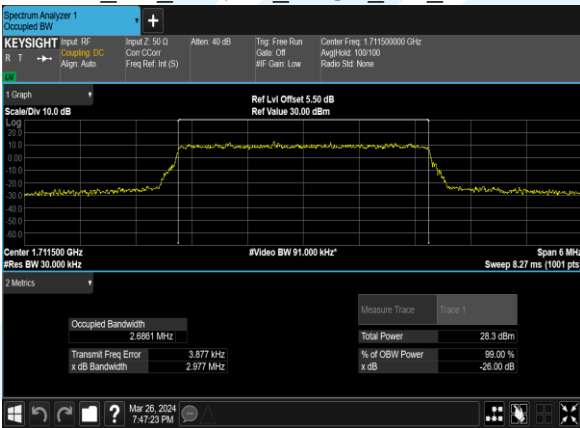
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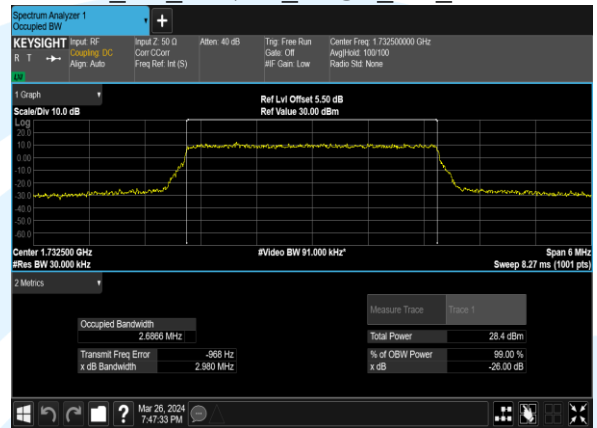
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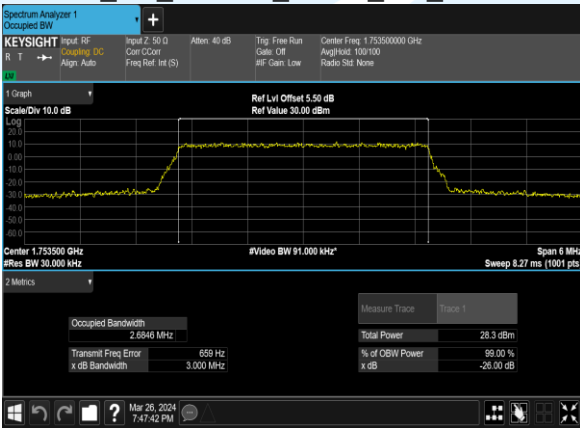
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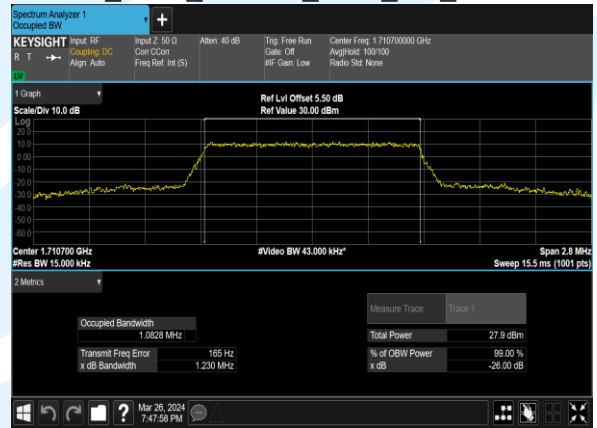
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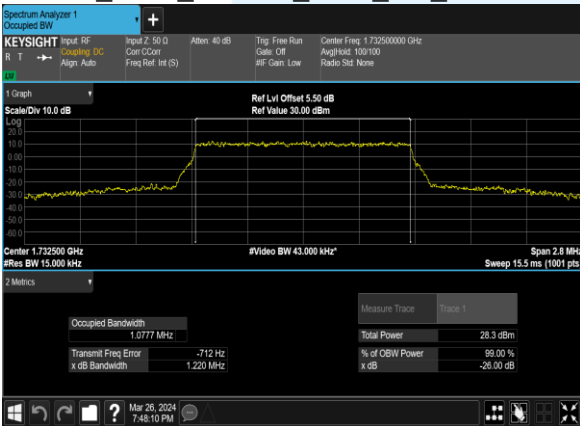
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B4_1.4M_64QAM_6@0_CH_19957



B4_1.4M_64QAM_6@0_CH_20175



B4_1.4M_64QAM_6@0_CH_20393



Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
4	20.0	20050	1720.0	QPSK	1@0	-30.04	-13	PASS
4	20.0	20050	1720.0	16QAM	1@0	-29.69	-13	PASS
4	20.0	20175	1732.5	QPSK	1@0	-30.27	-13	PASS
4	20.0	20175	1732.5	16QAM	1@0	-30.09	-13	PASS
4	20.0	20300	1745.0	QPSK	1@0	-29.35	-13	PASS
4	20.0	20300	1745.0	16QAM	1@0	-29.44	-13	PASS
4	15.0	20025	1717.5	QPSK	1@0	-29.34	-13	PASS
4	15.0	20025	1717.5	16QAM	1@0	-29.55	-13	PASS
4	15.0	20175	1732.5	QPSK	1@0	-30.0	-13	PASS
4	15.0	20175	1732.5	16QAM	1@0	-28.76	-13	PASS
4	15.0	20325	1747.5	QPSK	1@0	-29.09	-13	PASS
4	15.0	20325	1747.5	16QAM	1@0	-30.01	-13	PASS
4	10.0	20000	1715.0	QPSK	1@0	-29.48	-13	PASS
4	10.0	20000	1715.0	16QAM	1@0	-29.62	-13	PASS
4	10.0	20175	1732.5	QPSK	1@0	-29.63	-13	PASS
4	10.0	20175	1732.5	16QAM	1@0	-27.25	-13	PASS
4	10.0	20350	1750.0	QPSK	1@0	-30.47	-13	PASS
4	10.0	20350	1750.0	16QAM	1@0	-30.09	-13	PASS
4	5.0	19975	1712.5	QPSK	1@0	-25.82	-13	PASS
4	5.0	19975	1712.5	16QAM	1@0	-26.18	-13	PASS
4	5.0	20175	1732.5	QPSK	1@0	-29.86	-13	PASS
4	5.0	20175	1732.5	16QAM	1@0	-30.1	-13	PASS
4	5.0	20375	1752.5	QPSK	1@0	-30.13	-13	PASS
4	5.0	20375	1752.5	16QAM	1@0	-30.38	-13	PASS
4	3.0	19965	1711.5	QPSK	1@0	-29.74	-13	PASS
4	3.0	19965	1711.5	16QAM	1@0	-30.18	-13	PASS
4	3.0	20175	1732.5	QPSK	1@0	-29.95	-13	PASS
4	3.0	20175	1732.5	16QAM	1@0	-30.25	-13	PASS
4	3.0	20385	1753.5	QPSK	1@0	-29.49	-13	PASS
4	3.0	20385	1753.5	16QAM	1@0	-30.06	-13	PASS
4	1.4	19957	1710.7	QPSK	1@0	-30.3	-13	PASS
4	1.4	19957	1710.7	16QAM	1@0	-23.1	-13	PASS
4	1.4	20175	1732.5	QPSK	1@0	-29.73	-13	PASS
4	1.4	20175	1732.5	16QAM	1@0	-26.37	-13	PASS
4	1.4	20393	1754.3	QPSK	1@0	-29.82	-13	PASS
4	1.4	20393	1754.3	16QAM	1@0	-29.93	-13	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
4	20.0	20050	1720.0	64QAM	1@0	-30.01	-13	PASS
4	20.0	20175	1732.5	64QAM	1@0	-29.9	-13	PASS
4	20.0	20300	1745.0	64QAM	1@0	-29.58	-13	PASS
4	15.0	20025	1717.5	64QAM	1@0	-30.19	-13	PASS
4	15.0	20175	1732.5	64QAM	1@0	-28.66	-13	PASS
4	15.0	20325	1747.5	64QAM	1@0	-29.0	-13	PASS
4	10.0	20000	1715.0	64QAM	1@0	-28.5	-13	PASS
4	10.0	20175	1732.5	64QAM	1@0	-28.74	-13	PASS
4	10.0	20350	1750.0	64QAM	1@0	-29.03	-13	PASS
4	5.0	19975	1712.5	64QAM	1@0	-29.7	-13	PASS
4	5.0	20175	1732.5	64QAM	1@0	-30.01	-13	PASS
4	5.0	20375	1752.5	64QAM	1@0	-29.68	-13	PASS
4	3.0	19965	1711.5	64QAM	1@0	-29.05	-13	PASS
4	3.0	20175	1732.5	64QAM	1@0	-29.55	-13	PASS
4	3.0	20385	1753.5	64QAM	1@0	-29.38	-13	PASS
4	1.4	19957	1710.7	64QAM	1@0	-28.69	-13	PASS
4	1.4	20175	1732.5	64QAM	1@0	-30.0	-13	PASS
4	1.4	20393	1754.3	64QAM	1@0	-29.68	-13	PASS

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

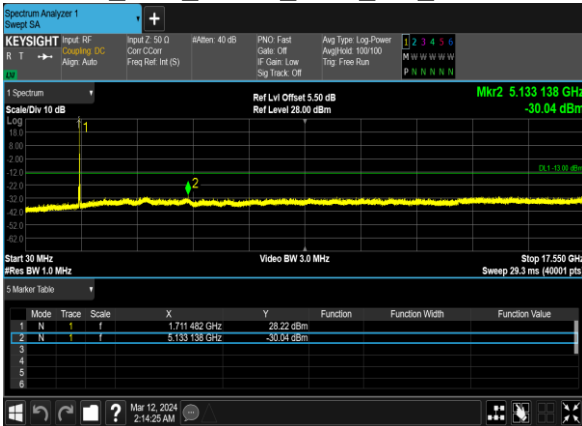
E-mail: info@uttlab.com

<http://www.uttlab.com>

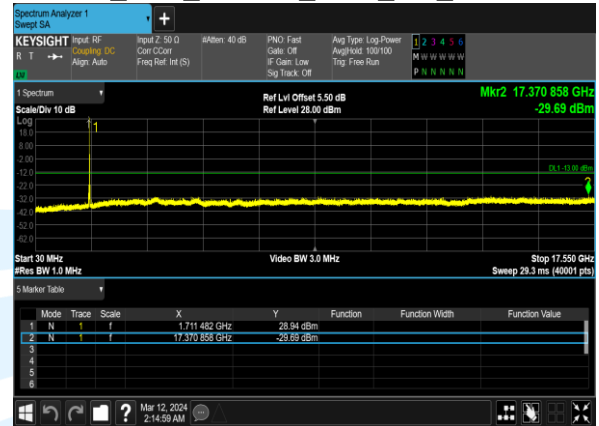
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Test Graphs

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B4_20M_16QAM_1@0_CH_20050



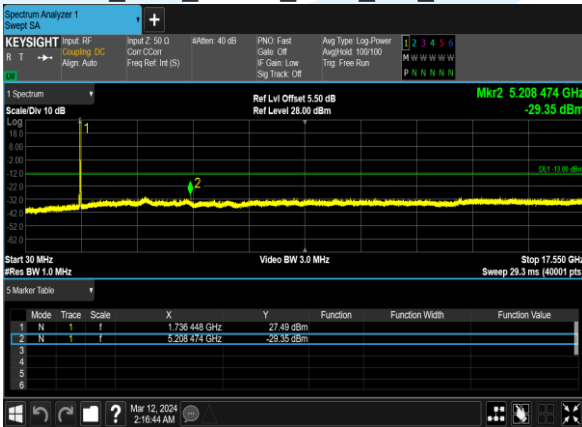
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B4_20M_16QAM_1@0_CH_20175



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B4_20M_16QAM_1@0_CH_20300



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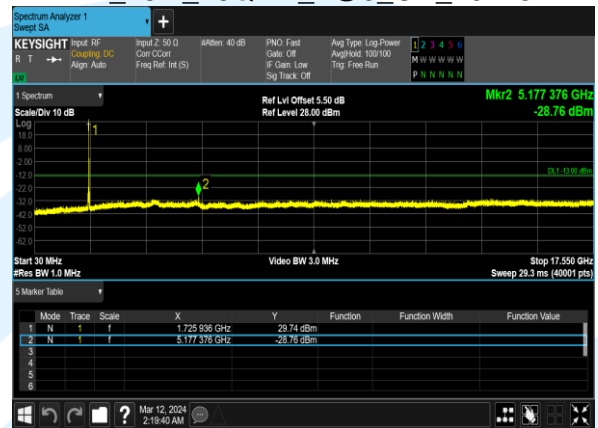
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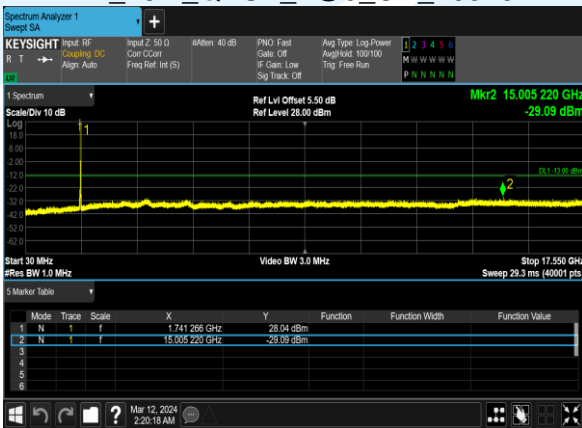
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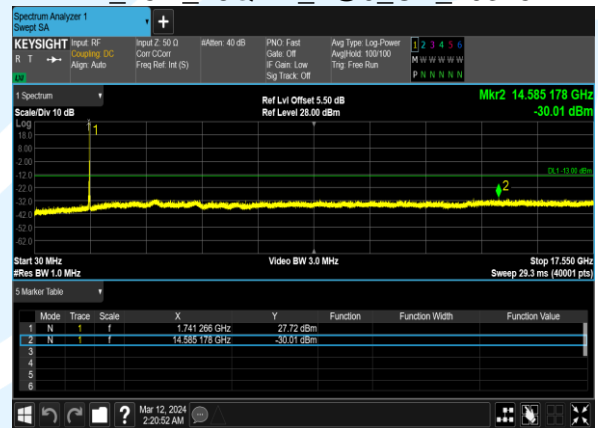
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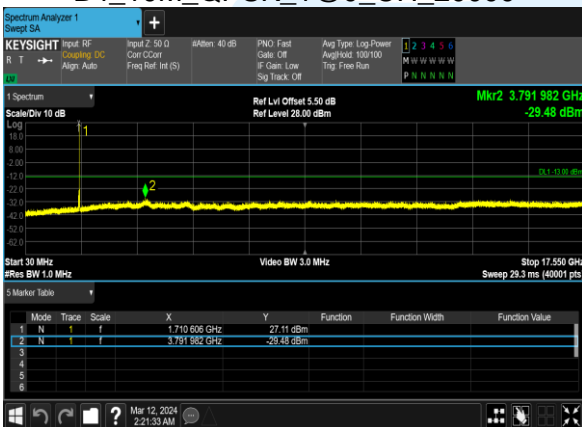
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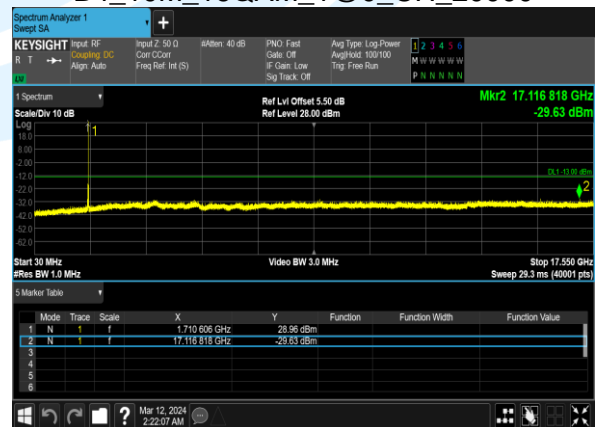
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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

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Fax: +86-755-28230886

E-mail: info@uttlab.com

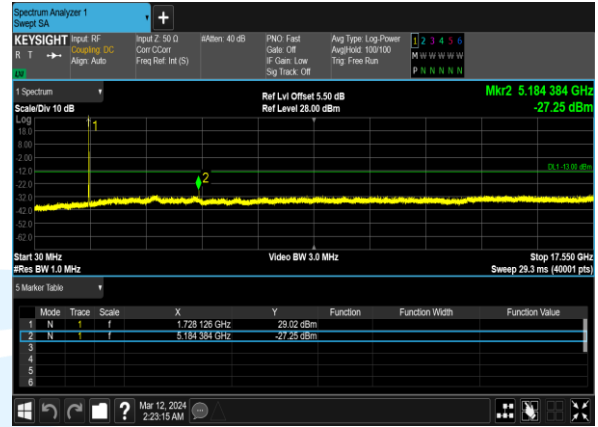
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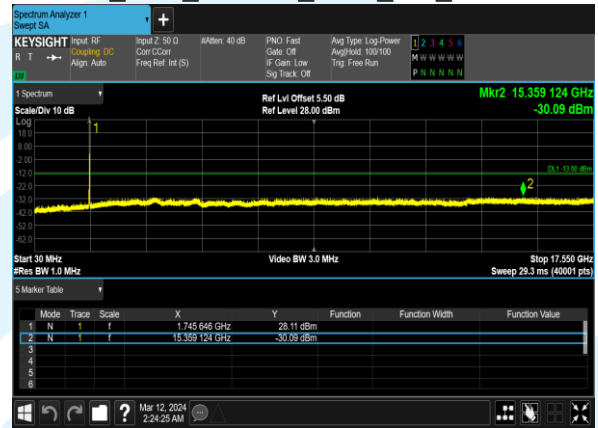
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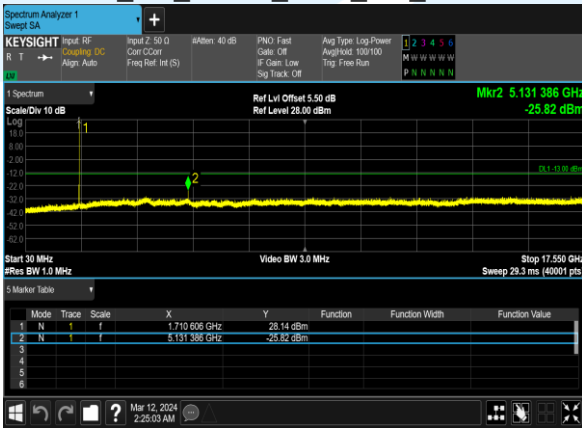
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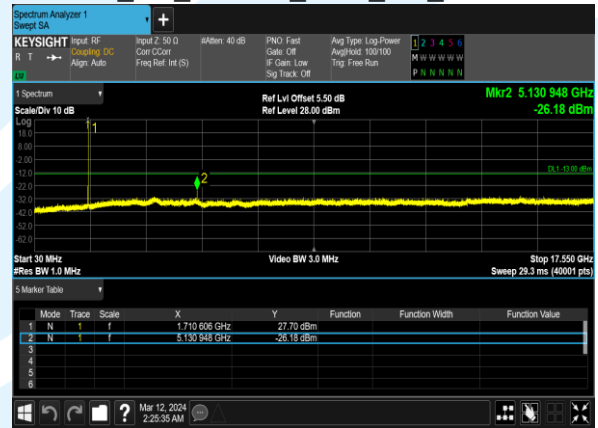
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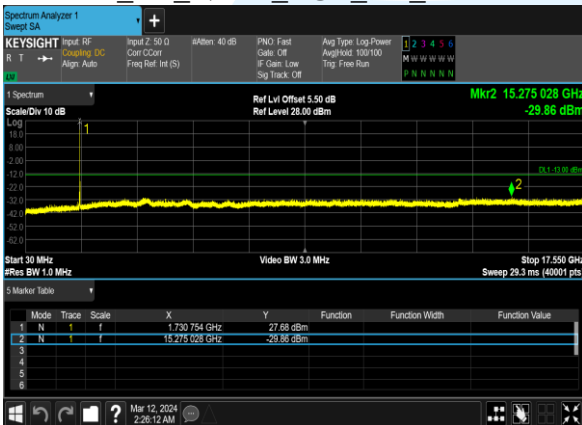
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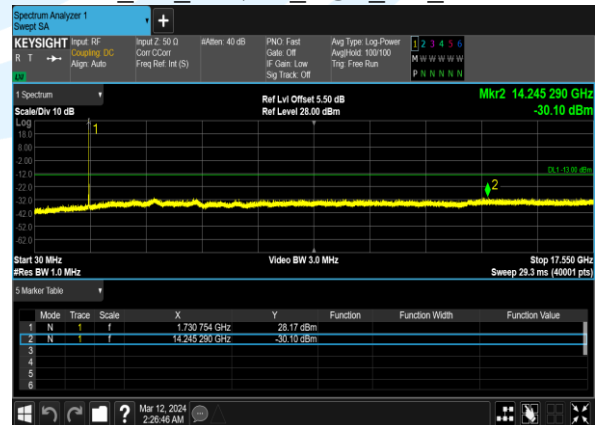
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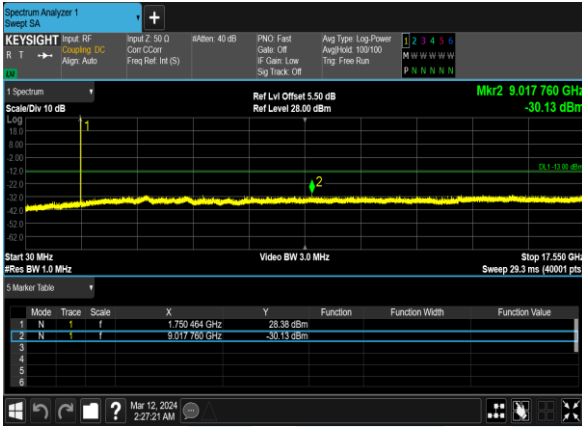
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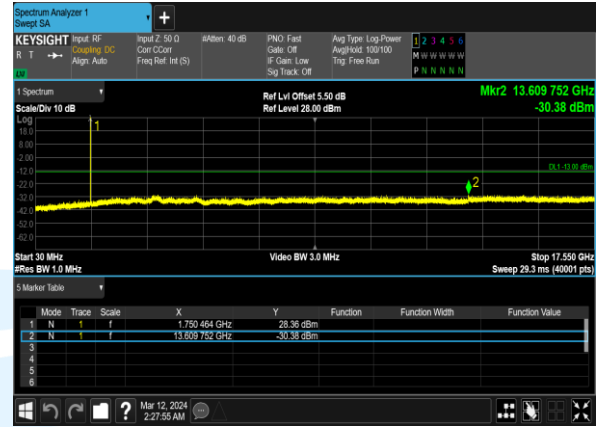
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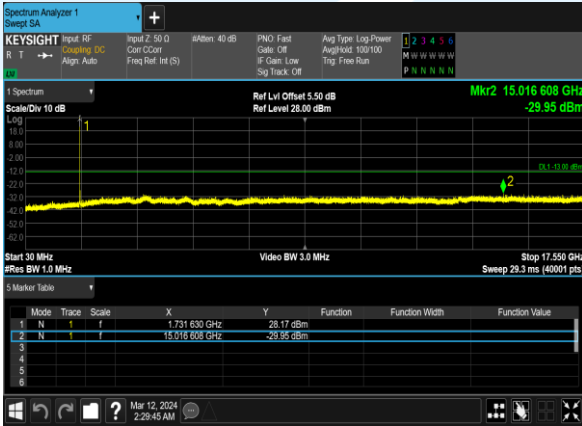
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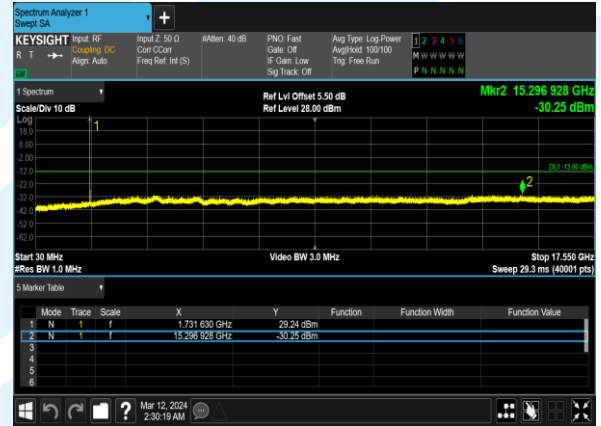
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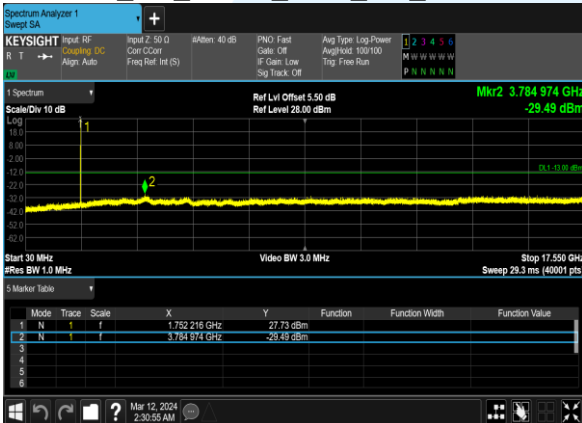
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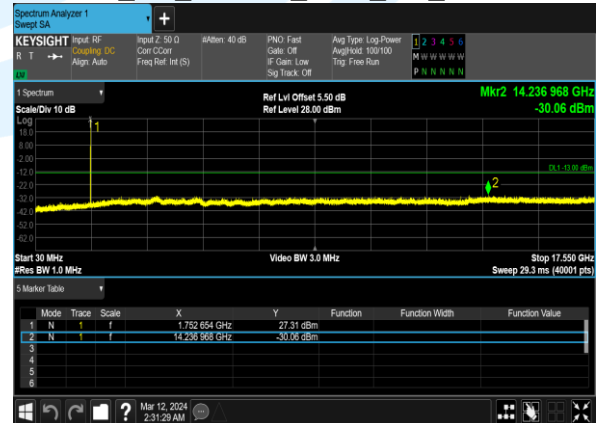
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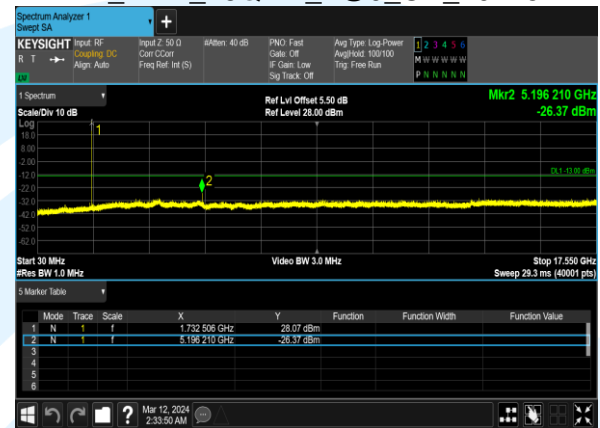
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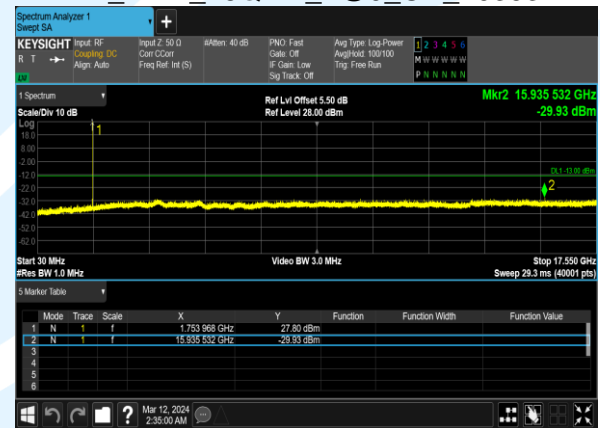
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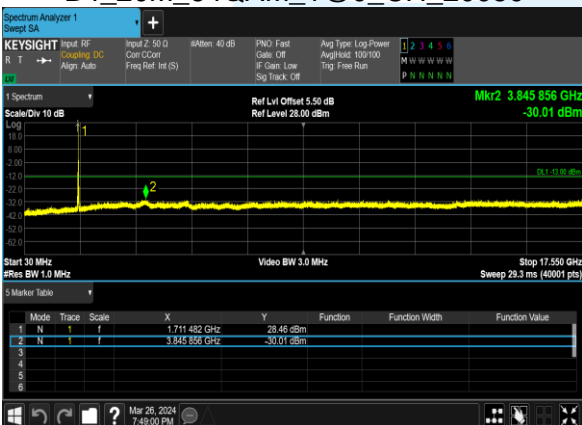
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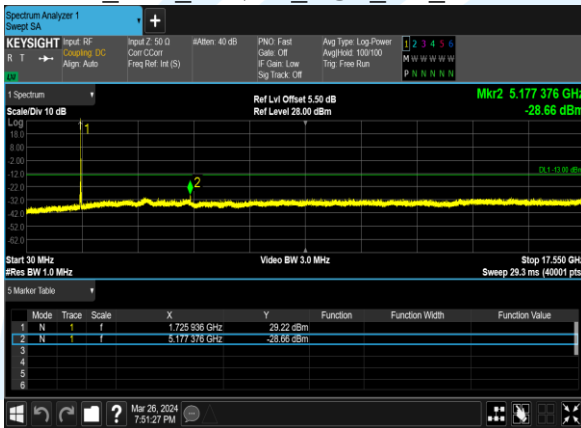
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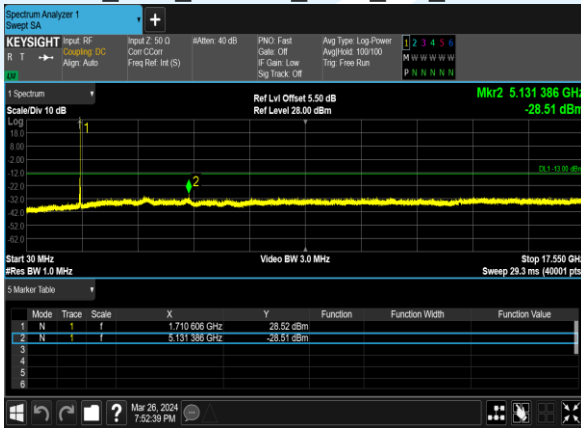
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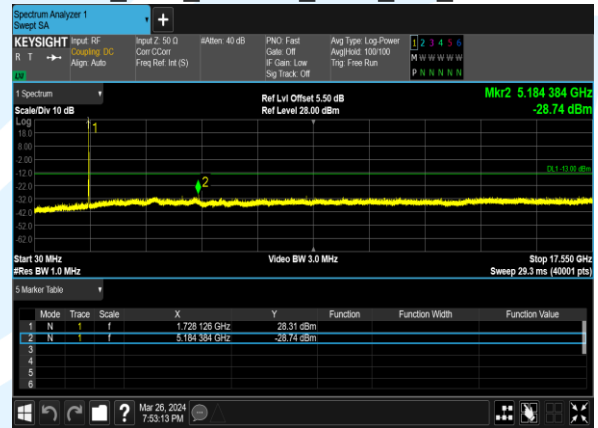
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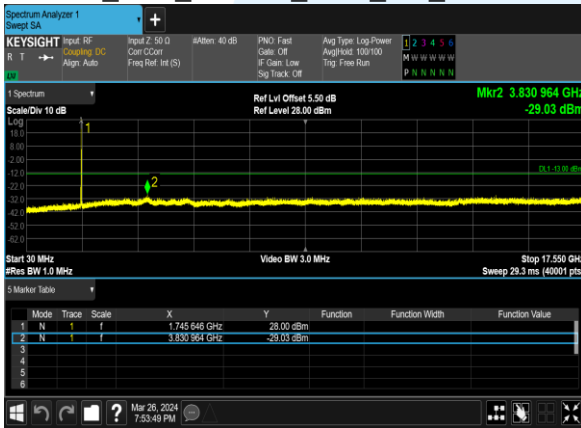
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B4_10M_64QAM_1@0_CH_20175



B4_10M_64QAM_1@0_CH_20350



B4_5M_64QAM_1@0_CH_19975



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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

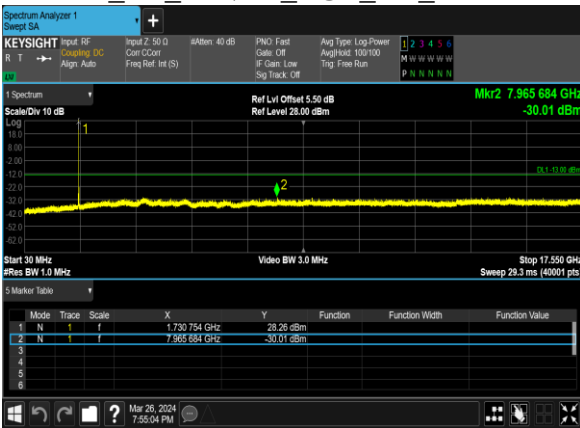
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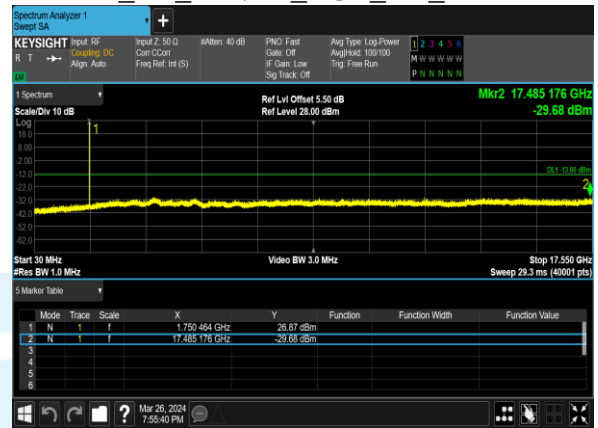
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B4_5M_64QAM_1@0_CH_20375



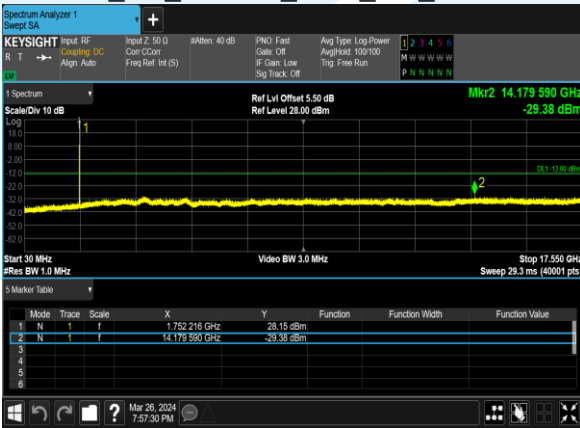
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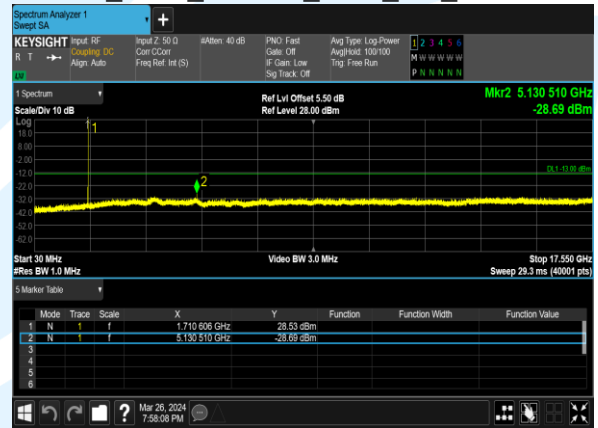
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B4_1.4M_64QAM_1@0_CH_19957



B4_1.4M_64QAM_1@0_CH_20175



B4_1.4M_64QAM_1@0_CH_20393



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Fax: +86-755-28230886

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UTTR-RF-FCC4G-V1.1

Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
4	20.0	20050	1720.0	QPSK	1@0	see graph	PASS
4	20.0	20050	1720.0	QPSK	100@0	see graph	PASS
4	20.0	20050	1720.0	16QAM	1@0	see graph	PASS
4	20.0	20050	1720.0	16QAM	100@0	see graph	PASS
4	20.0	20300	1745.0	QPSK	1@99	see graph	PASS
4	20.0	20300	1745.0	QPSK	100@0	see graph	PASS
4	20.0	20300	1745.0	16QAM	1@99	see graph	PASS
4	20.0	20300	1745.0	16QAM	100@0	see graph	PASS
4	15.0	20025	1717.5	QPSK	1@0	see graph	PASS
4	15.0	20025	1717.5	QPSK	75@0	see graph	PASS
4	15.0	20025	1717.5	16QAM	1@0	see graph	PASS
4	15.0	20025	1717.5	16QAM	75@0	see graph	PASS
4	15.0	20325	1747.5	QPSK	1@74	see graph	PASS
4	15.0	20325	1747.5	QPSK	75@0	see graph	PASS
4	15.0	20325	1747.5	16QAM	1@74	see graph	PASS
4	15.0	20325	1747.5	16QAM	75@0	see graph	PASS
4	10.0	20000	1715.0	QPSK	1@0	see graph	PASS
4	10.0	20000	1715.0	QPSK	50@0	see graph	PASS
4	10.0	20000	1715.0	16QAM	1@0	see graph	PASS
4	10.0	20000	1715.0	16QAM	50@0	see graph	PASS
4	10.0	20350	1750.0	QPSK	1@49	see graph	PASS
4	10.0	20350	1750.0	QPSK	50@0	see graph	PASS
4	10.0	20350	1750.0	16QAM	1@49	see graph	PASS
4	10.0	20350	1750.0	16QAM	50@0	see graph	PASS
4	5.0	19975	1712.5	QPSK	1@0	see graph	PASS
4	5.0	19975	1712.5	QPSK	25@0	see graph	PASS
4	5.0	19975	1712.5	16QAM	1@0	see graph	PASS
4	5.0	19975	1712.5	16QAM	25@0	see graph	PASS
4	5.0	20375	1752.5	QPSK	1@24	see graph	PASS
4	5.0	20375	1752.5	QPSK	25@0	see graph	PASS
4	5.0	20375	1752.5	16QAM	1@24	see graph	PASS
4	5.0	20375	1752.5	16QAM	25@0	see graph	PASS
4	3.0	19965	1711.5	QPSK	1@0	see graph	PASS
4	3.0	19965	1711.5	QPSK	15@0	see graph	PASS
4	3.0	19965	1711.5	16QAM	1@0	see graph	PASS
4	3.0	19965	1711.5	16QAM	15@0	see graph	PASS
4	3.0	20385	1753.5	QPSK	1@14	see graph	PASS
4	3.0	20385	1753.5	QPSK	15@0	see graph	PASS
4	3.0	20385	1753.5	16QAM	1@14	see graph	PASS
4	3.0	20385	1753.5	16QAM	15@0	see graph	PASS
4	1.4	19957	1710.7	QPSK	1@0	see graph	PASS
4	1.4	19957	1710.7	QPSK	6@0	see graph	PASS
4	1.4	19957	1710.7	16QAM	1@0	see graph	PASS
4	1.4	19957	1710.7	16QAM	6@0	see graph	PASS
4	1.4	20393	1754.3	QPSK	1@5	see graph	PASS
4	1.4	20393	1754.3	QPSK	6@0	see graph	PASS
4	1.4	20393	1754.3	16QAM	1@5	see graph	PASS
4	1.4	20393	1754.3	16QAM	6@0	see graph	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
4	20.0	20050	1720.0	64QAM	1@0	see graph	PASS
4	20.0	20050	1720.0	64QAM	100@0	see graph	PASS
4	20.0	20300	1745.0	64QAM	1@99	see graph	PASS
4	20.0	20300	1745.0	64QAM	100@0	see graph	PASS
4	15.0	20025	1717.5	64QAM	1@0	see graph	PASS
4	15.0	20025	1717.5	64QAM	75@0	see graph	PASS
4	15.0	20325	1747.5	64QAM	1@74	see graph	PASS
4	15.0	20325	1747.5	64QAM	75@0	see graph	PASS
4	10.0	20000	1715.0	64QAM	1@0	see graph	PASS
4	10.0	20000	1715.0	64QAM	50@0	see graph	PASS
4	10.0	20350	1750.0	64QAM	1@49	see graph	PASS
4	10.0	20350	1750.0	64QAM	50@0	see graph	PASS
4	5.0	19975	1712.5	64QAM	1@0	see graph	PASS
4	5.0	19975	1712.5	64QAM	25@0	see graph	PASS
4	5.0	20375	1752.5	64QAM	1@24	see graph	PASS
4	5.0	20375	1752.5	64QAM	25@0	see graph	PASS
4	3.0	19965	1711.5	64QAM	1@0	see graph	PASS
4	3.0	19965	1711.5	64QAM	15@0	see graph	PASS
4	3.0	20385	1753.5	64QAM	1@14	see graph	PASS
4	3.0	20385	1753.5	64QAM	15@0	see graph	PASS
4	1.4	19957	1710.7	64QAM	1@0	see graph	PASS
4	1.4	19957	1710.7	64QAM	6@0	see graph	PASS
4	1.4	20393	1754.3	64QAM	1@5	see graph	PASS
4	1.4	20393	1754.3	64QAM	6@0	see graph	PASS

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

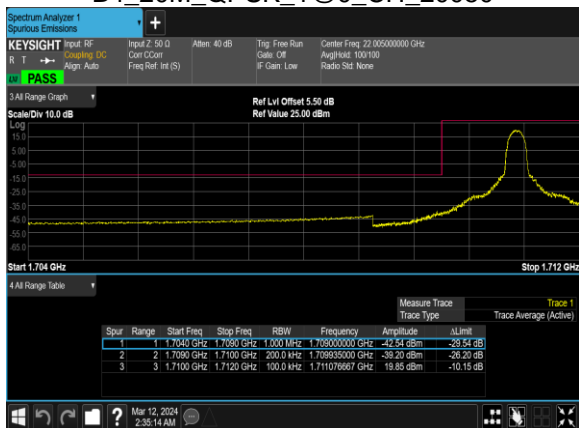
E-mail: info@uttlab.com

<http://www.uttlab.com>

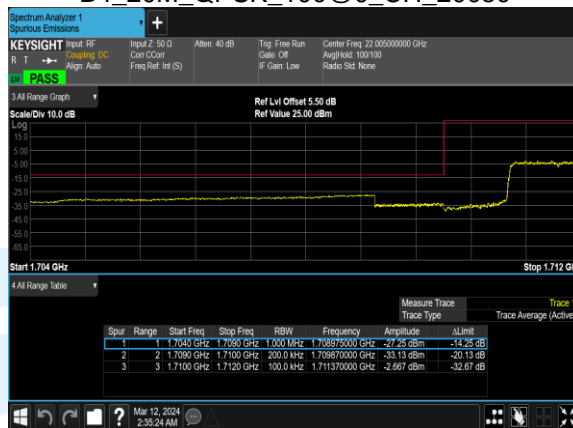
UTTR-RF-FCC4G-V1.1

Test Graphs

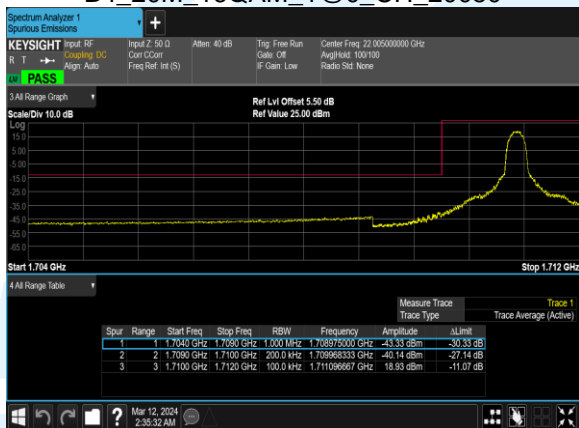
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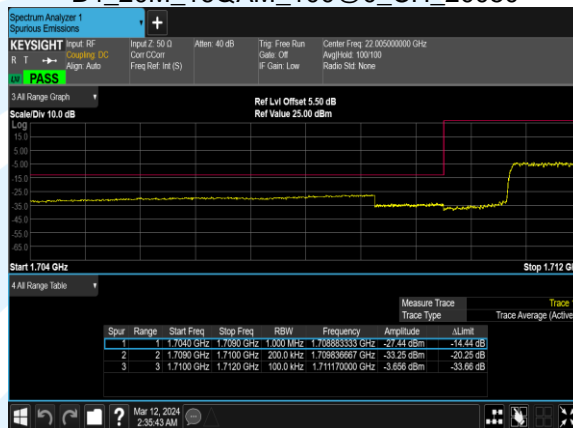
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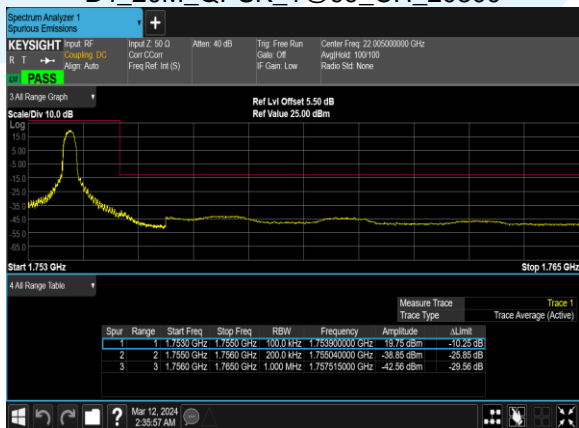
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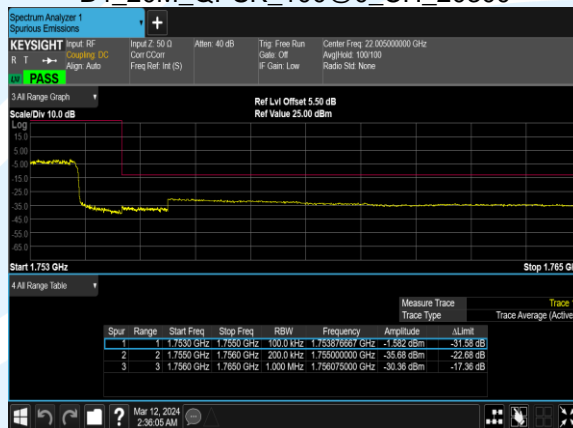
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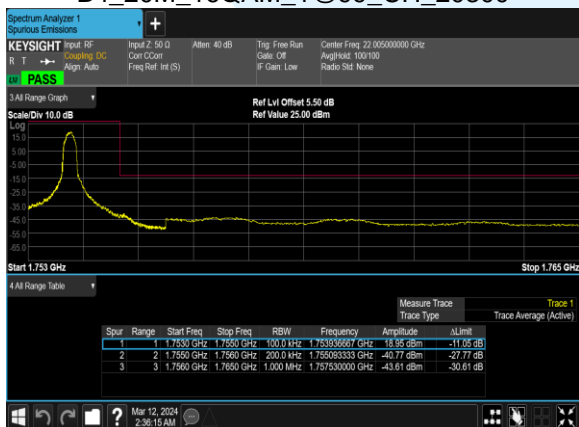
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B4_20M_QPSK_100@0_CH_20300



B4_20M_16QAM_1@99_CH_20300



B4_20M_16QAM_100@0_CH_20300

