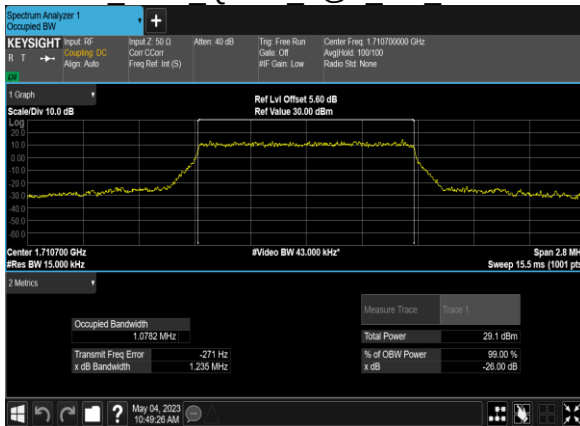
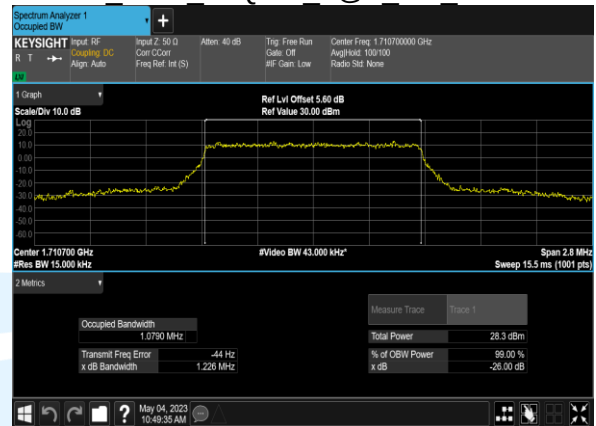


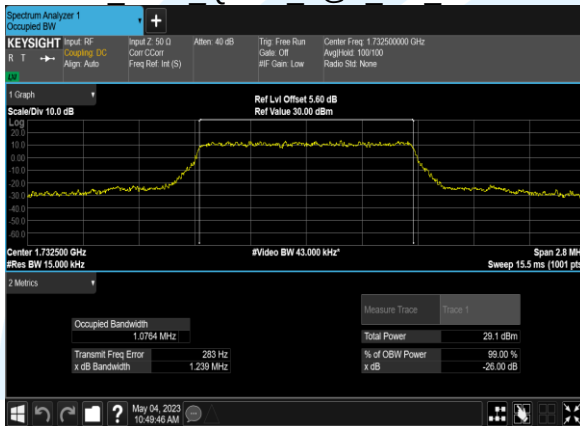
B4 1.4M QPSK 6@0 CH 19957



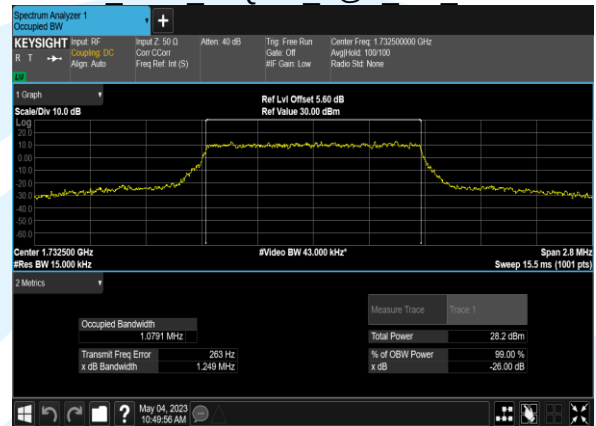
B4 1.4M 16QAM 6@0 CH 19957



B4 1.4M QPSK 6@0 CH 20175



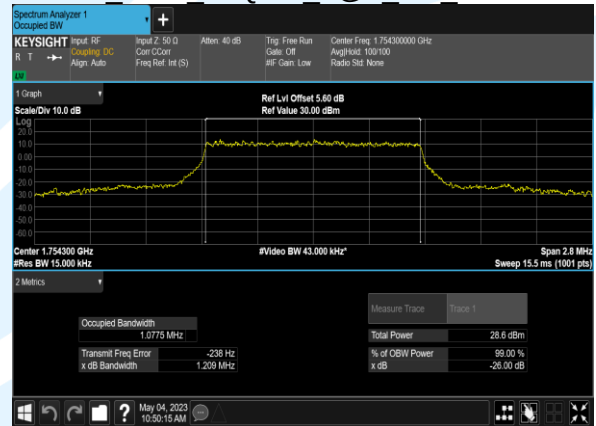
B4 1.4M 16QAM 6@0 CH 20175



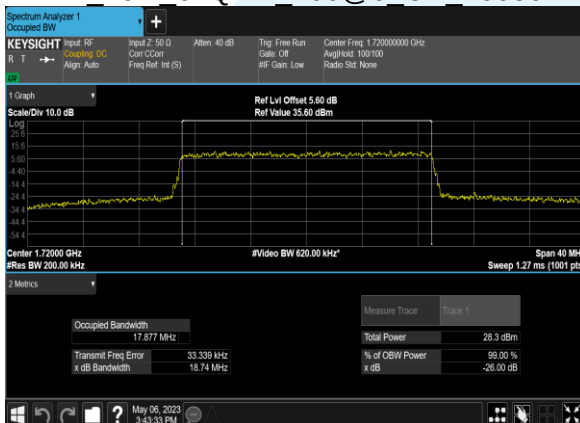
B4 1.4M QPSK 6@0 CH 20393



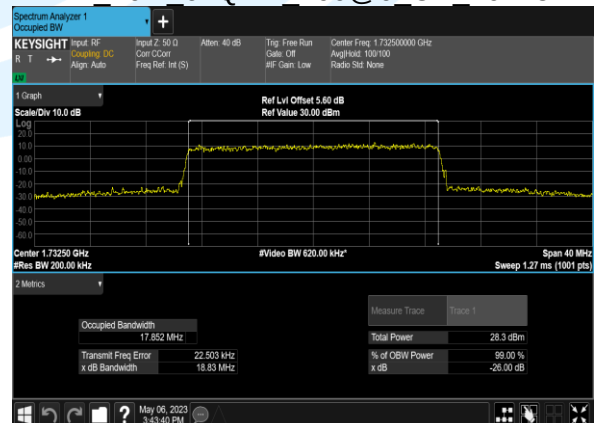
B4 1.4M 16QAM 6@0 CH 20393



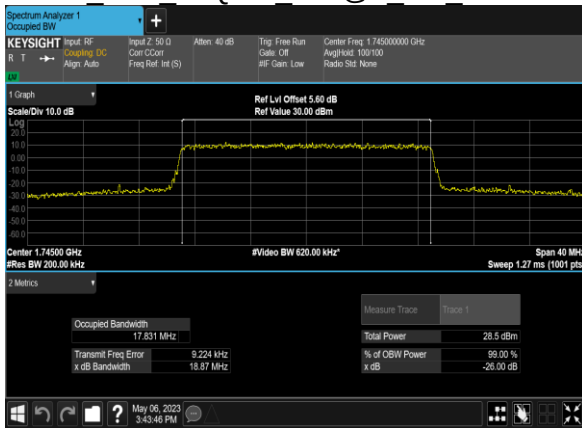
B4 20M 64QAM 100@0 CH 20050



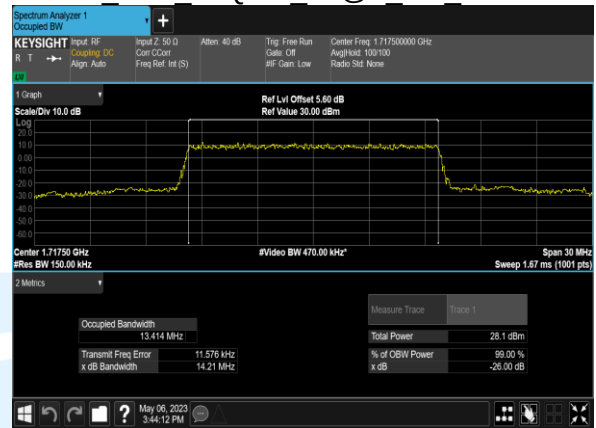
B4 20M 64QAM 100@0 CH 20175



B4 20M 64QAM 100@0 CH 20300



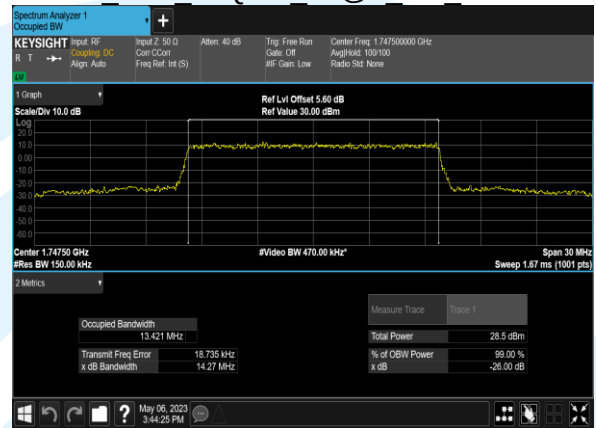
B4 15M 64QAM 75@0 CH 20025



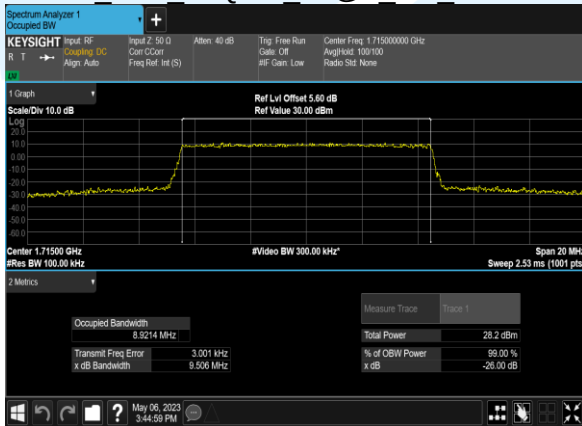
B4 15M 64QAM 75@0 CH 20175



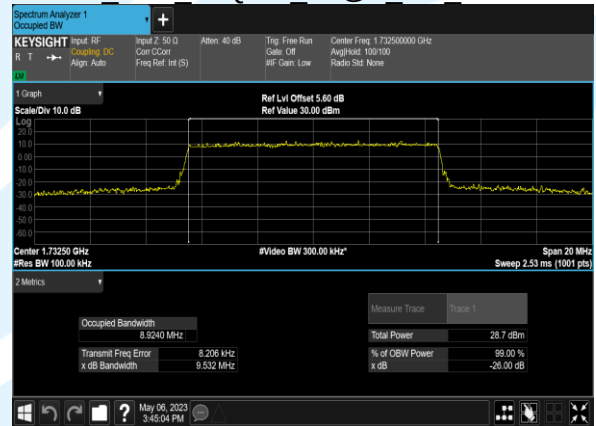
B4 15M 64QAM 75@0 CH 20325



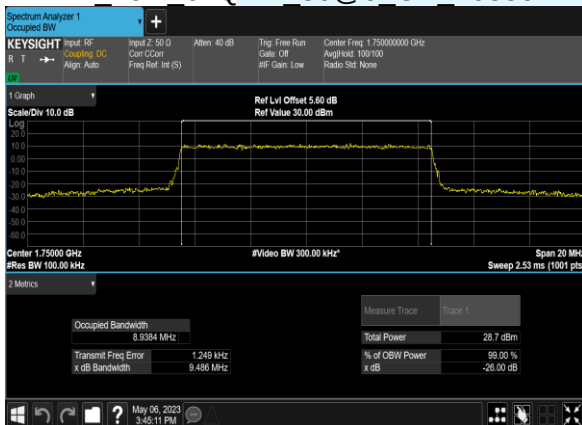
B4 10M 64QAM 50@0 CH 20000



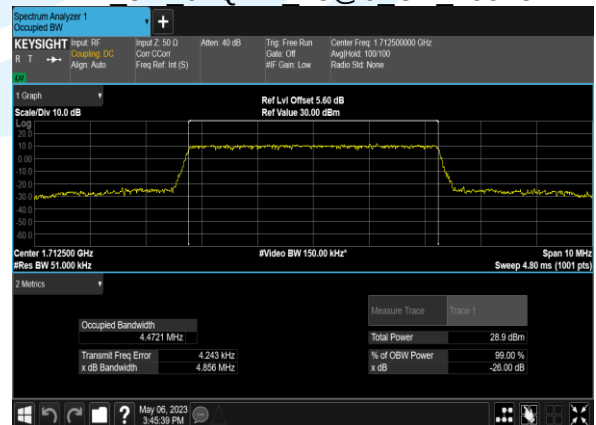
B4 10M 64QAM 50@0 CH 20175



B4 10M 64QAM 50@0 CH 20350



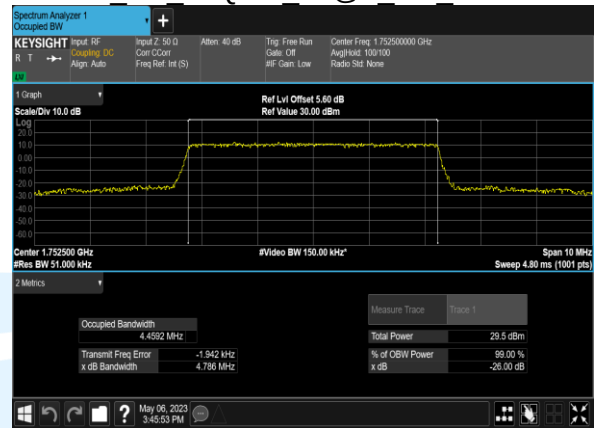
B4 5M 64QAM 25@0 CH 19975



B4 5M 64QAM 25@0 CH 20175



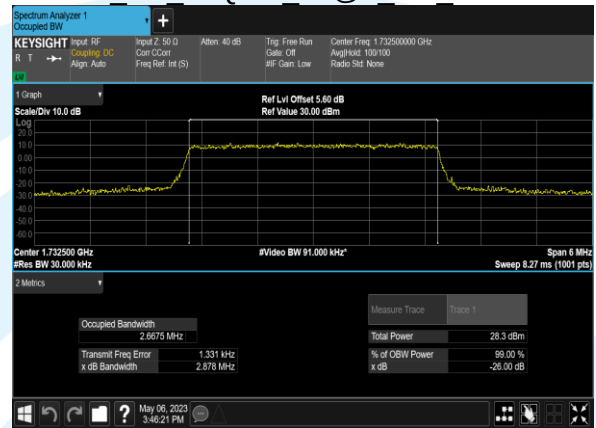
B4 5M 64QAM 25@0 CH 20375



B4 3M 64QAM 15@0 CH 19965



B4 3M 64QAM 15@0 CH 20175



B4 3M 64QAM 15@0 CH 20385



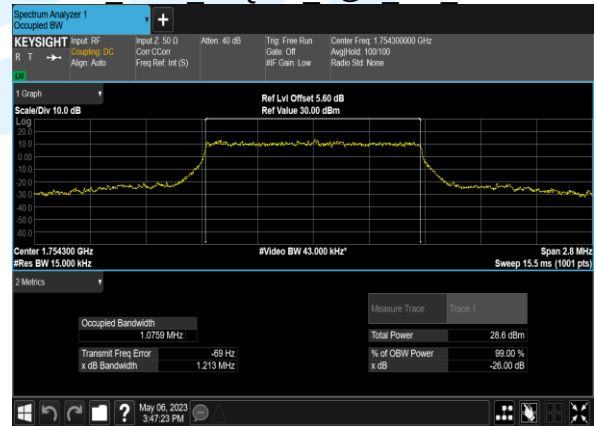
B4 1.4M 64QAM 6@0 CH 19957



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	-29.52	-13	PASS
4	20.0	20050	1720.0	16QAM	1@0	-29.75	-13	PASS
4	20.0	20175	1732.5	QPSK	1@0	-29.45	-13	PASS
4	20.0	20175	1732.5	16QAM	1@0	-29.2	-13	PASS
4	20.0	20300	1745.0	QPSK	1@0	-29.7	-13	PASS
4	20.0	20300	1745.0	16QAM	1@0	-29.58	-13	PASS
4	15.0	20025	1717.5	QPSK	1@0	-29.8	-13	PASS
4	15.0	20025	1717.5	16QAM	1@0	-29.71	-13	PASS
4	15.0	20175	1732.5	QPSK	1@0	-30.28	-13	PASS
4	15.0	20175	1732.5	16QAM	1@0	-29.96	-13	PASS
4	15.0	20325	1747.5	QPSK	1@0	-30.14	-13	PASS
4	15.0	20325	1747.5	16QAM	1@0	-29.45	-13	PASS
4	10.0	20000	1715.0	QPSK	1@0	-29.52	-13	PASS
4	10.0	20000	1715.0	16QAM	1@0	-29.9	-13	PASS
4	10.0	20175	1732.5	QPSK	1@0	-28.95	-13	PASS
4	10.0	20175	1732.5	16QAM	1@0	-30.31	-13	PASS
4	10.0	20350	1750.0	QPSK	1@0	-28.46	-13	PASS
4	10.0	20350	1750.0	16QAM	1@0	-29.82	-13	PASS
4	5.0	19975	1712.5	QPSK	1@0	-29.7	-13	PASS
4	5.0	19975	1712.5	16QAM	1@0	-29.66	-13	PASS
4	5.0	20175	1732.5	QPSK	1@0	-29.74	-13	PASS
4	5.0	20175	1732.5	16QAM	1@0	-29.41	-13	PASS
4	5.0	20375	1752.5	QPSK	1@0	-29.72	-13	PASS
4	5.0	20375	1752.5	16QAM	1@0	-29.52	-13	PASS
4	3.0	19965	1711.5	QPSK	1@0	-29.7	-13	PASS
4	3.0	19965	1711.5	16QAM	1@0	-29.82	-13	PASS
4	3.0	20175	1732.5	QPSK	1@0	-30.14	-13	PASS
4	3.0	20175	1732.5	16QAM	1@0	-30.07	-13	PASS
4	3.0	20385	1753.5	QPSK	1@0	-29.83	-13	PASS
4	3.0	20385	1753.5	16QAM	1@0	-29.39	-13	PASS
4	1.4	19957	1710.7	QPSK	1@0	-30.0	-13	PASS
4	1.4	19957	1710.7	16QAM	1@0	-29.88	-13	PASS
4	1.4	20175	1732.5	QPSK	1@0	-30.0	-13	PASS
4	1.4	20175	1732.5	16QAM	1@0	-29.62	-13	PASS
4	1.4	20393	1754.3	QPSK	1@0	-29.92	-13	PASS
4	1.4	20393	1754.3	16QAM	1@0	-29.57	-13	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
4	20.0	20050	1720.0	64QAM	1@0	-28.98	-13	PASS
4	20.0	20175	1732.5	64QAM	1@0	-30.11	-13	PASS
4	20.0	20300	1745.0	64QAM	1@0	-29.39	-13	PASS
4	15.0	20025	1717.5	64QAM	1@0	-30.07	-13	PASS
4	15.0	20175	1732.5	64QAM	1@0	-29.83	-13	PASS
4	15.0	20325	1747.5	64QAM	1@0	-28.86	-13	PASS
4	10.0	20000	1715.0	64QAM	1@0	-29.83	-13	PASS
4	10.0	20175	1732.5	64QAM	1@0	-29.43	-13	PASS
4	10.0	20350	1750.0	64QAM	1@0	-29.97	-13	PASS
4	5.0	19975	1712.5	64QAM	1@0	-29.64	-13	PASS
4	5.0	20175	1732.5	64QAM	1@0	-29.75	-13	PASS
4	5.0	20375	1752.5	64QAM	1@0	-30.14	-13	PASS
4	3.0	19965	1711.5	64QAM	1@0	-29.82	-13	PASS
4	3.0	20175	1732.5	64QAM	1@0	-29.48	-13	PASS
4	3.0	20385	1753.5	64QAM	1@0	-29.53	-13	PASS
4	1.4	19957	1710.7	64QAM	1@0	-30.25	-13	PASS
4	1.4	20175	1732.5	64QAM	1@0	-29.11	-13	PASS
4	1.4	20393	1754.3	64QAM	1@0	-30.34	-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

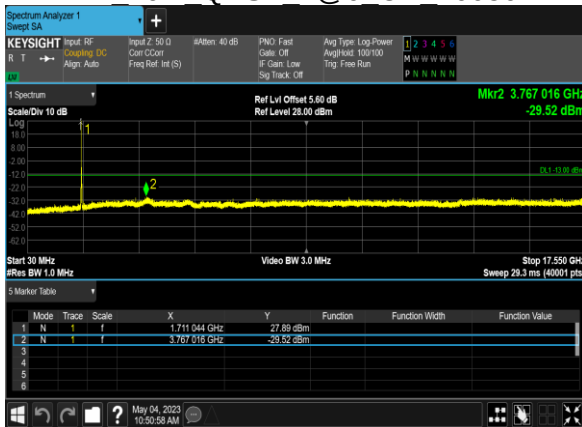
E-mail: info@uttlab.com

<http://www.uttlab.com>

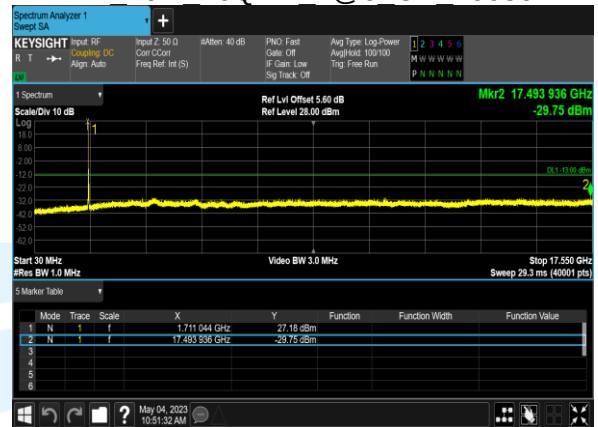
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Test Graphs

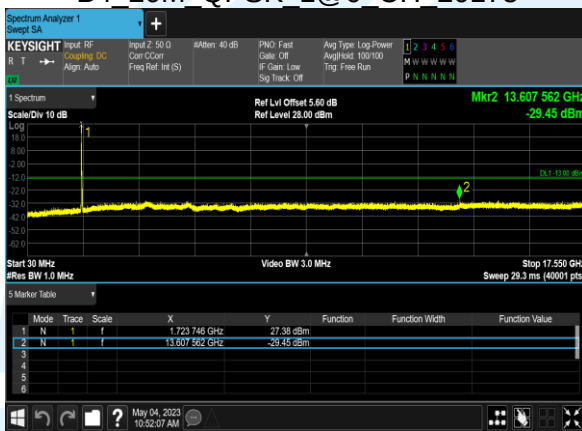
B4 20M QPSK 1@0 CH 20050



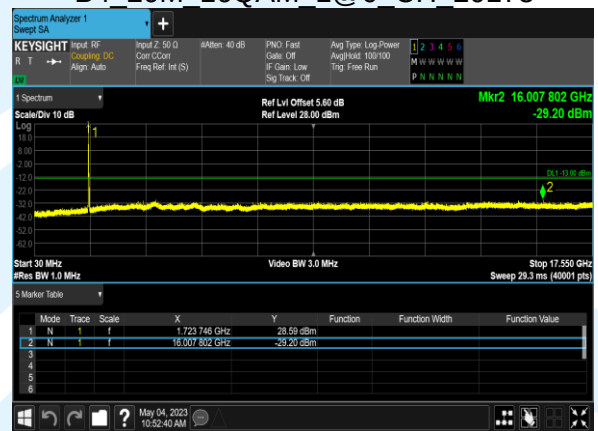
B4 20M 16QAM 1@0 CH 20050



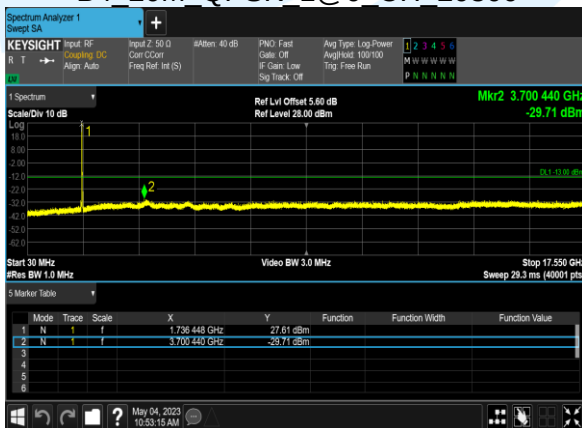
B4 20M QPSK 1@0 CH 20175



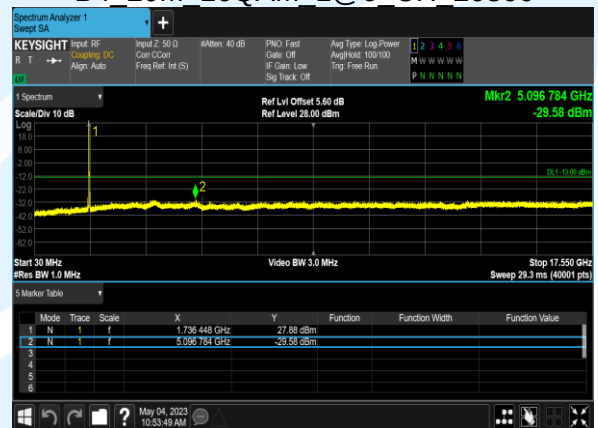
B4 20M 16QAM 1@0 CH 20175



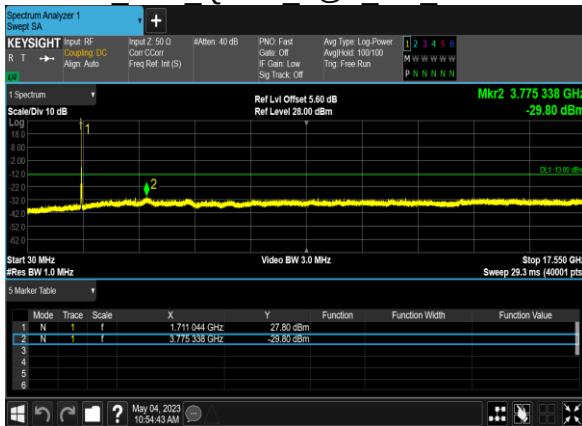
B4 20M QPSK 1@0 CH 20300



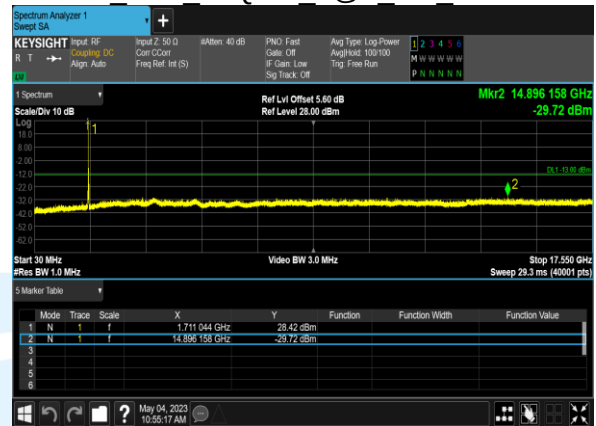
B4 20M 16QAM 1@0 CH 20300



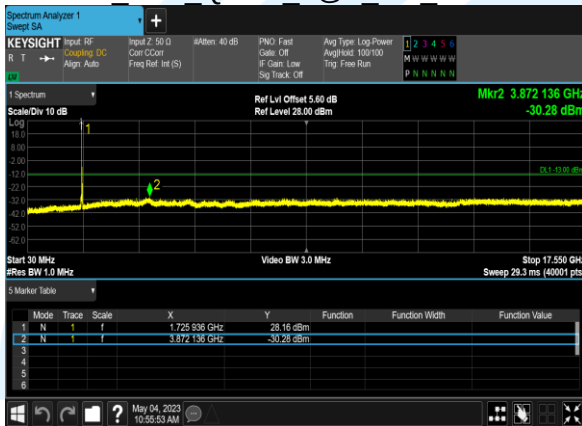
B4_15M QPSK 1@0 CH 20025



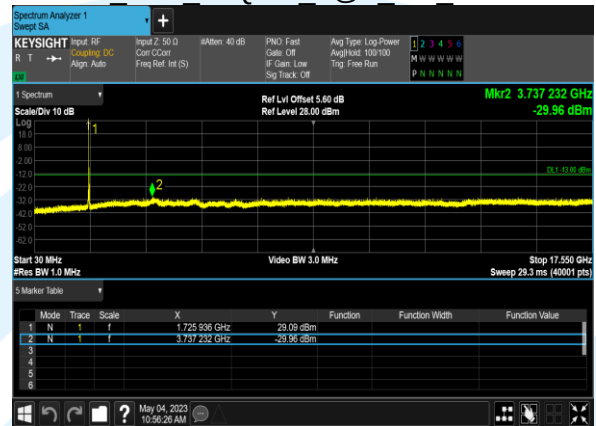
B4_15M 16QAM 1@0 CH 20025



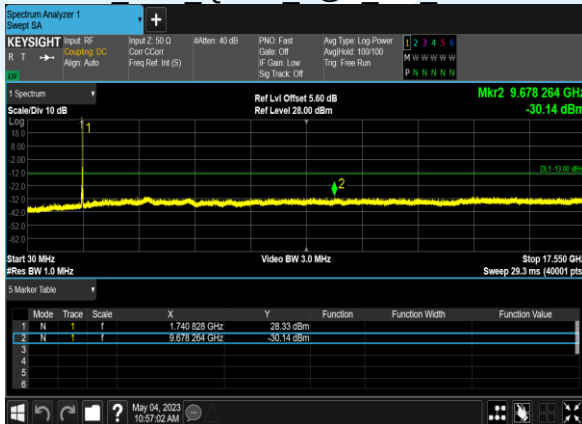
B4_15M QPSK 1@0 CH 20175



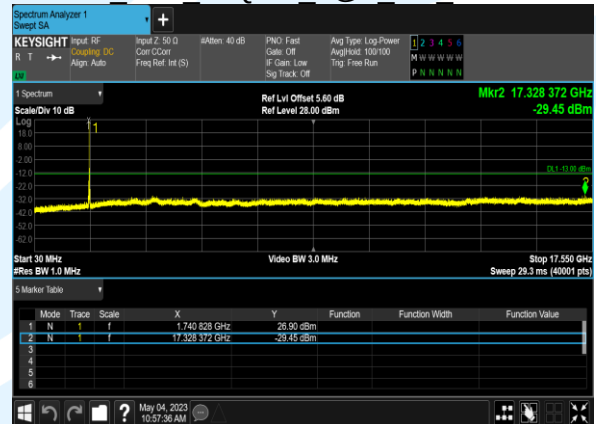
B4_15M 16QAM 1@0 CH 20175



B4_15M QPSK 1@0 CH 20325



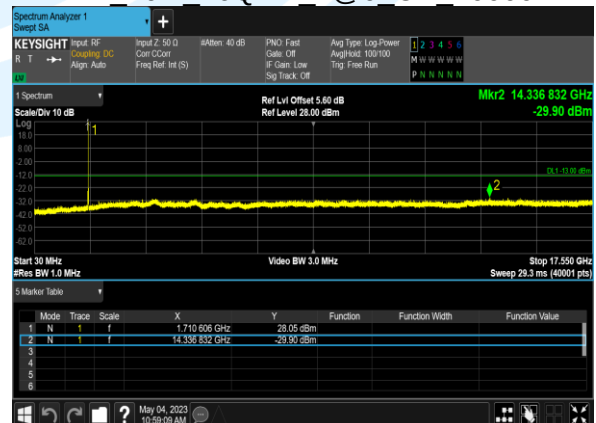
B4_15M 16QAM 1@0 CH 20325



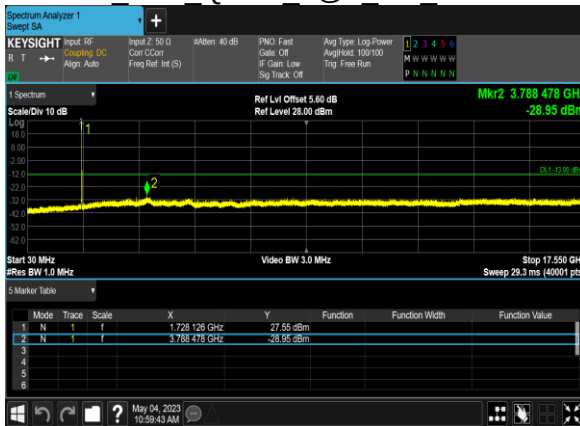
B4_10M QPSK 1@0 CH 20000



B4_10M 16QAM 1@0 CH 20000



B4_10M QPSK 1@0 CH 20175



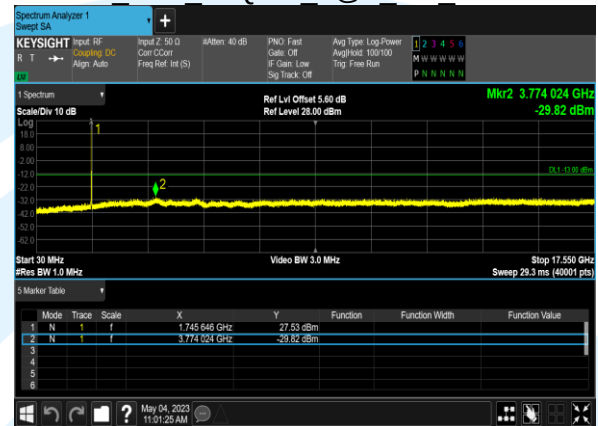
B4_10M 16QAM 1@0 CH 20175



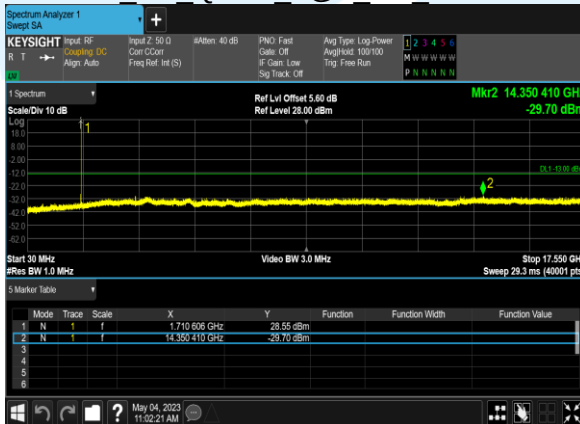
B4_10M QPSK 1@0 CH 20350



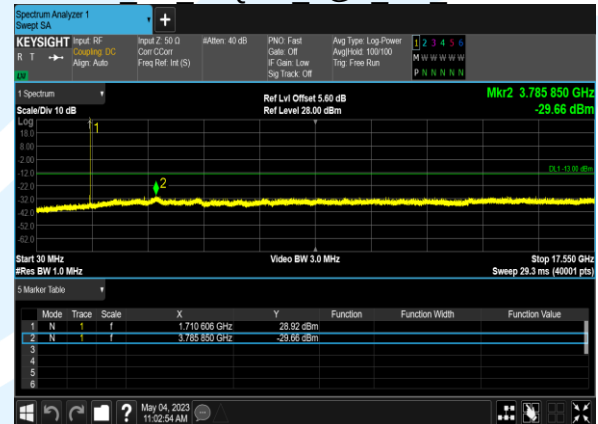
B4_10M 16QAM 1@0 CH 20350



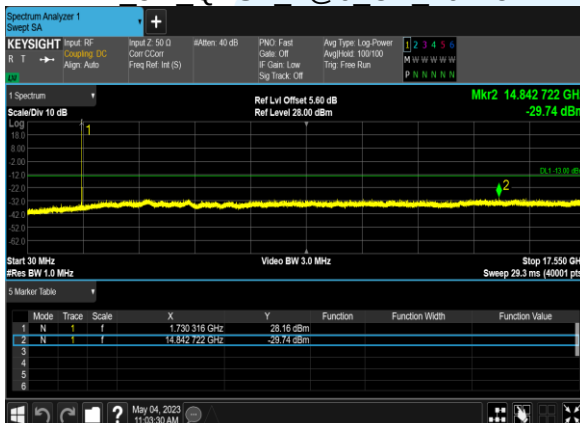
B4_5M QPSK 1@0 CH 19975



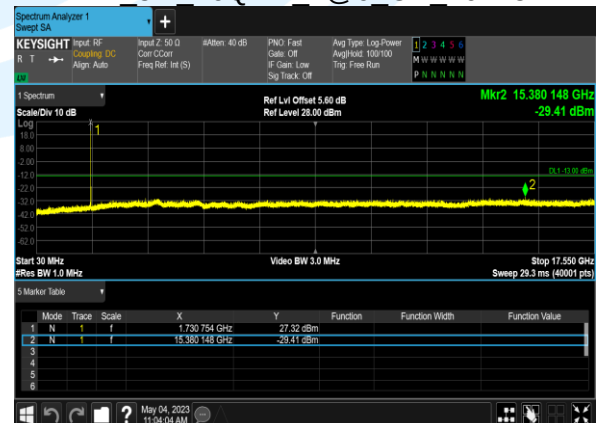
B4_5M 16QAM 1@0 CH 19975



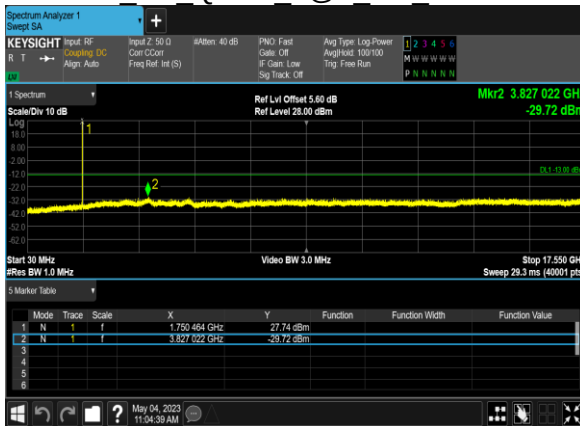
B4_5M QPSK 1@0 CH 20175



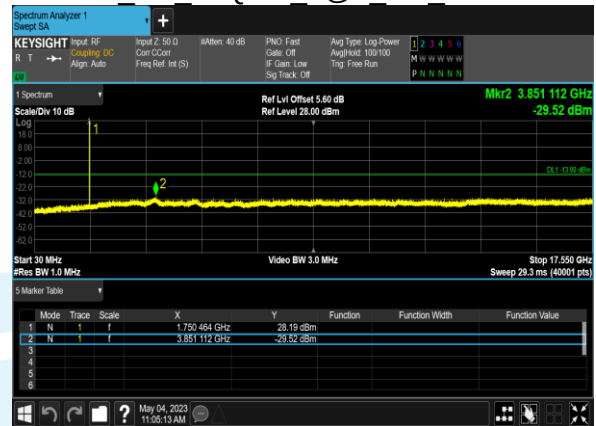
B4_5M 16QAM 1@0 CH 20175



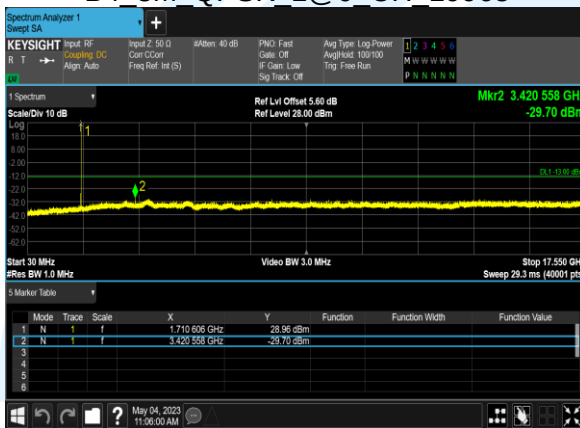
B4 5M QPSK 1@0 CH 20375



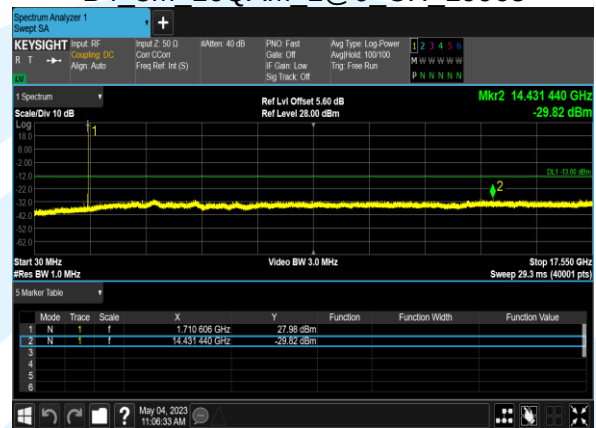
B4 5M 16QAM 1@0 CH 20375



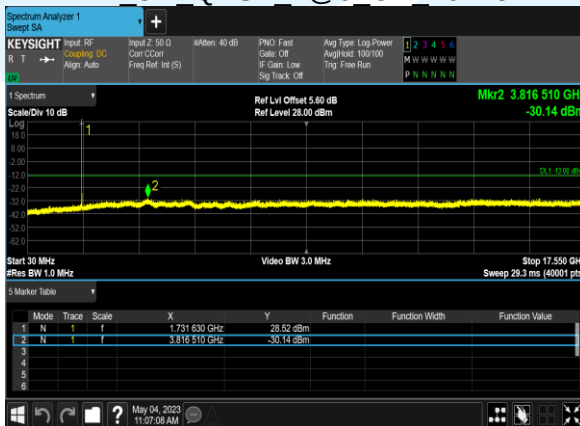
B4 3M QPSK 1@0 CH 19965



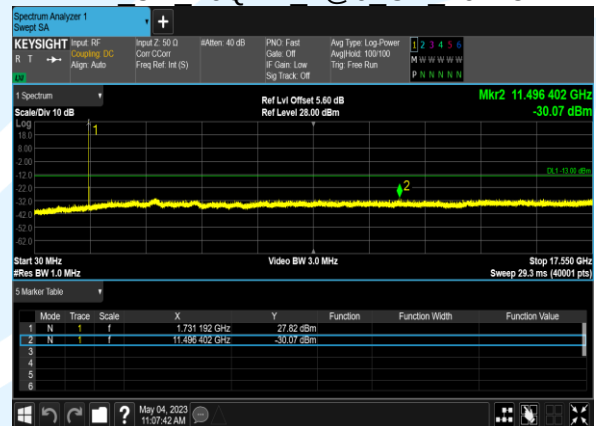
B4 3M 16QAM 1@0 CH 19965



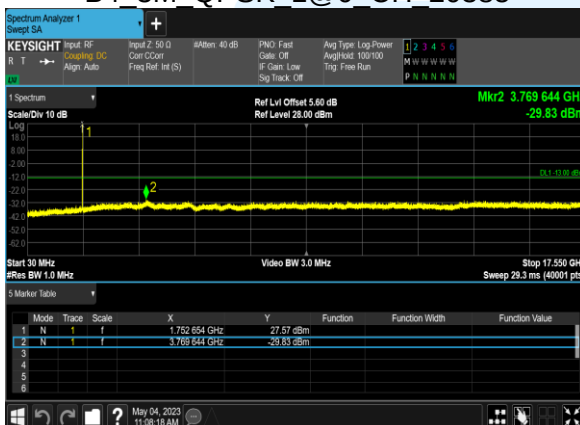
B4 3M QPSK 1@0 CH 20175



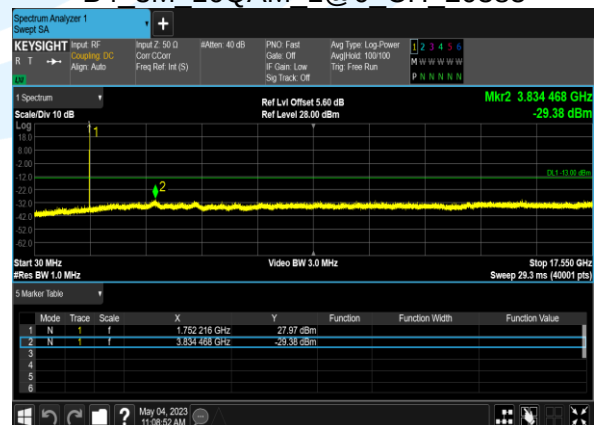
B4 3M 16QAM 1@0 CH 20175



B4 3M QPSK 1@0 CH 20385



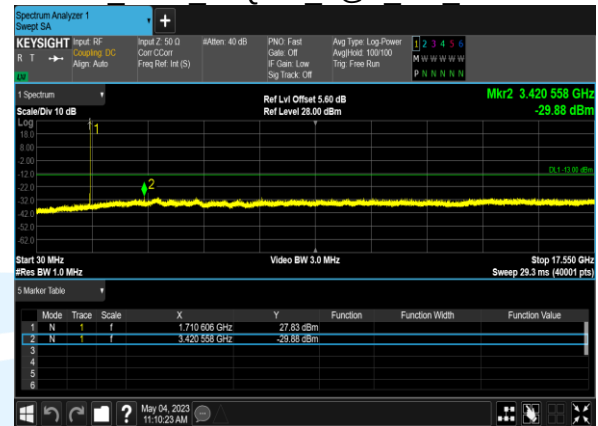
B4 3M 16QAM 1@0 CH 20385



B4 1.4M QPSK 1@0 CH 19957



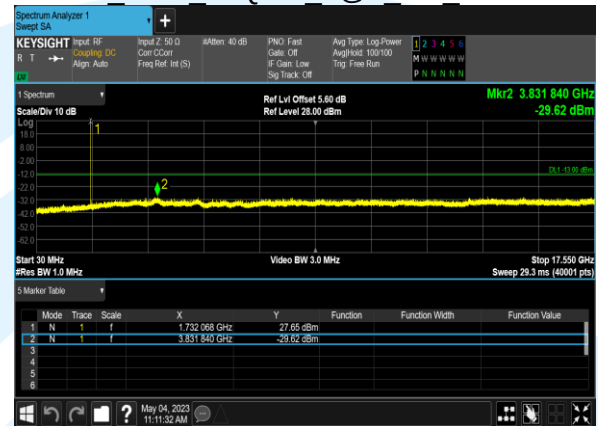
B4 1.4M 16QAM 1@0 CH 19957



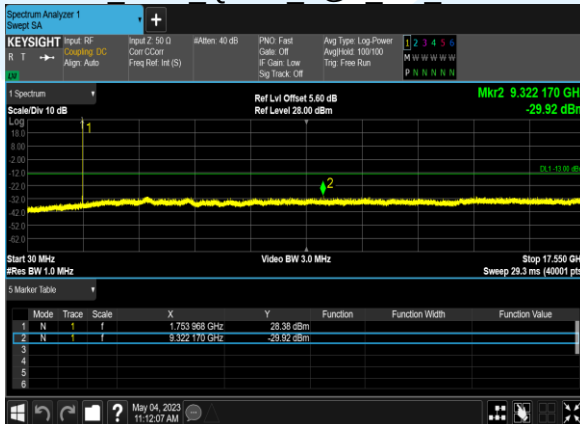
B4 1.4M QPSK 1@0 CH 20175



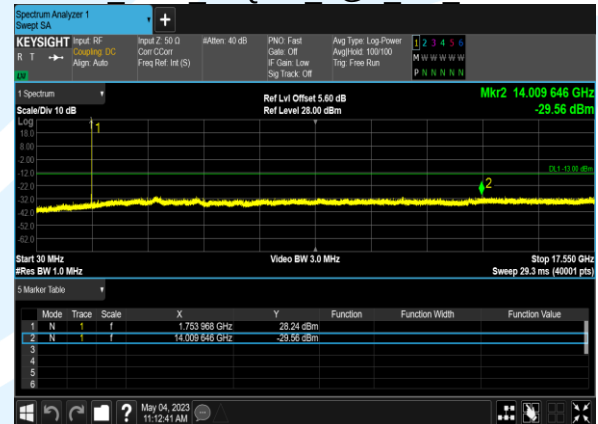
B4 1.4M 16QAM 1@0 CH 20175



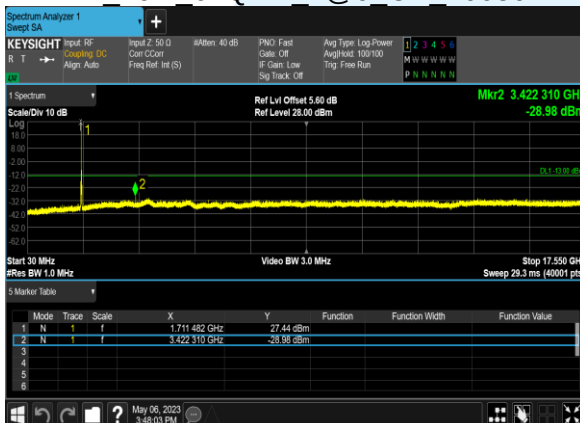
B4 1.4M QPSK 1@0 CH 20393



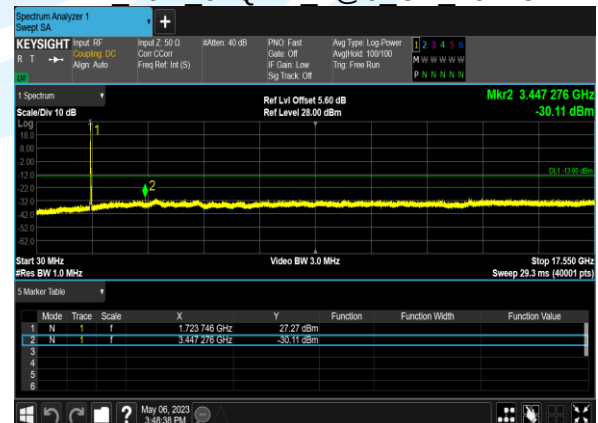
B4 1.4M 16QAM 1@0 CH 20393



B4 20M 64QAM 1@0 CH 20050



B4 20M 64QAM 1@0 CH 20175



B4 20M 64QAM 1@0 CH 20300



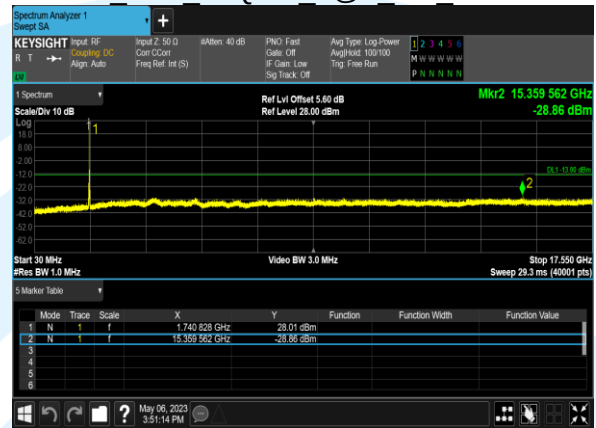
B4 15M 64QAM 1@0 CH 20025



B4 15M 64QAM 1@0 CH 20175



B4 15M 64QAM 1@0 CH 20325



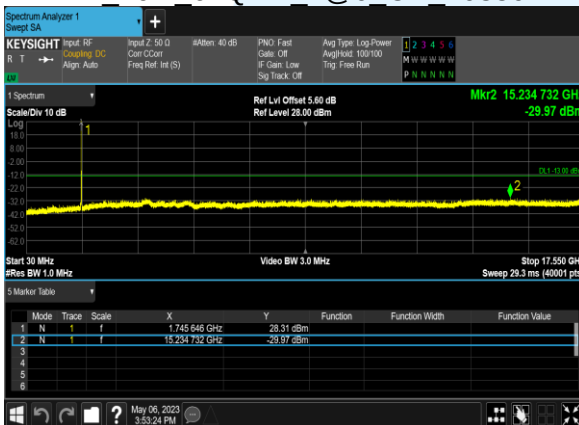
B4 10M 64QAM 1@0 CH 20000



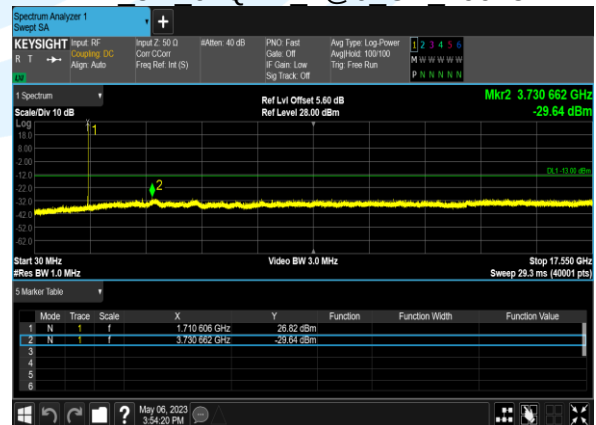
B4 10M 64QAM 1@0 CH 20175



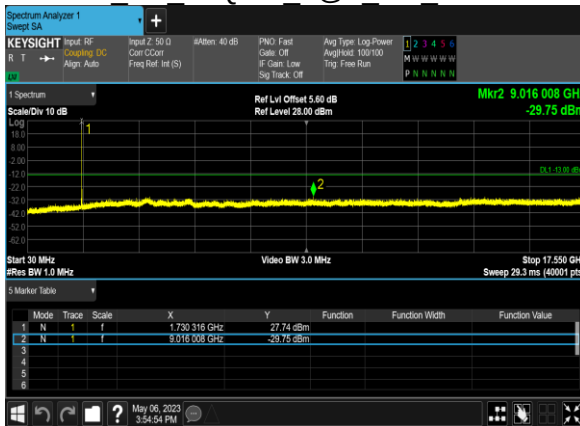
B4 10M 64QAM 1@0 CH 20350



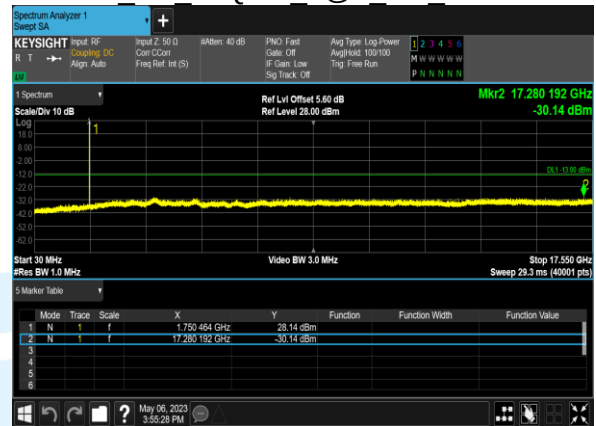
B4 5M 64QAM 1@0 CH 19975



B4 5M 64QAM 1@0 CH 20175



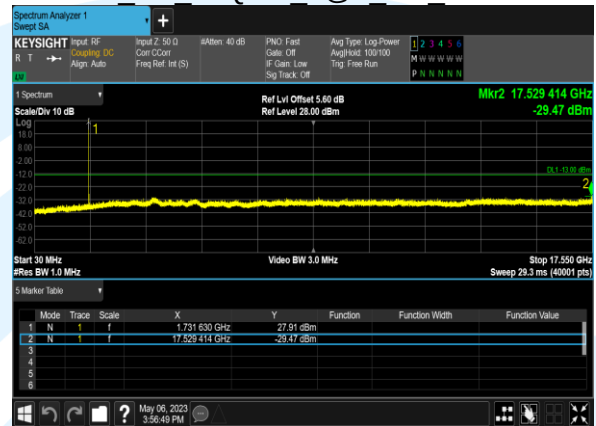
B4 5M 64QAM 1@0 CH 20375



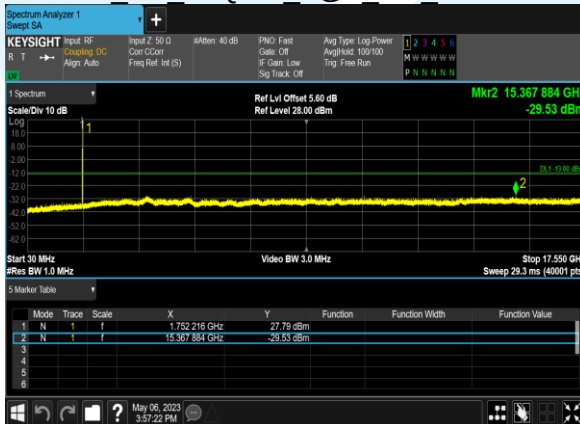
B4 3M 64QAM 1@0 CH 19965



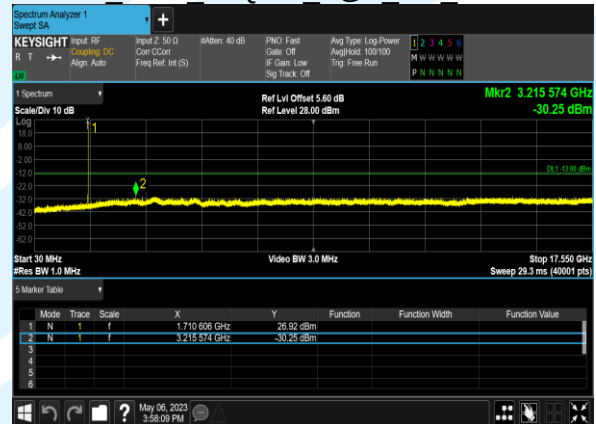
B4 3M 64QAM 1@0 CH 20175



B4 3M 64QAM 1@0 CH 20385



B4 1.4M 64QAM 1@0 CH 19957



B4 1.4M 64QAM 1@0 CH 20175



B4 1.4M 64QAM 1@0 CH 20393



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

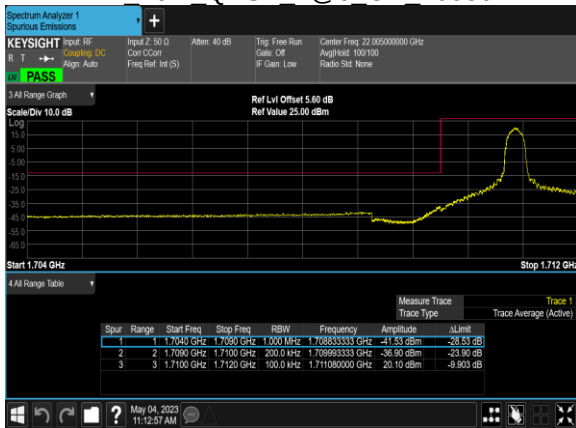
E-mail: info@uttlab.com

<http://www.uttlab.com>

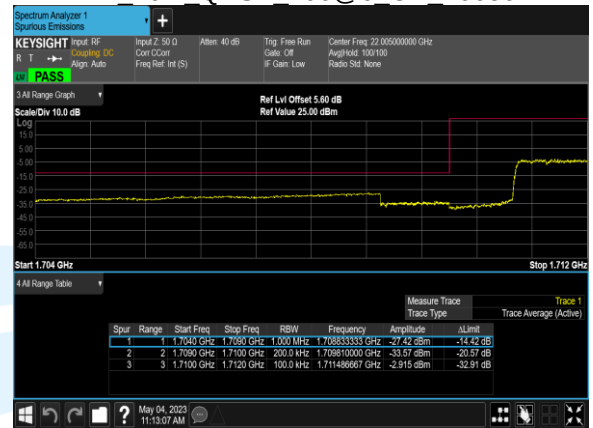
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Test Graphs

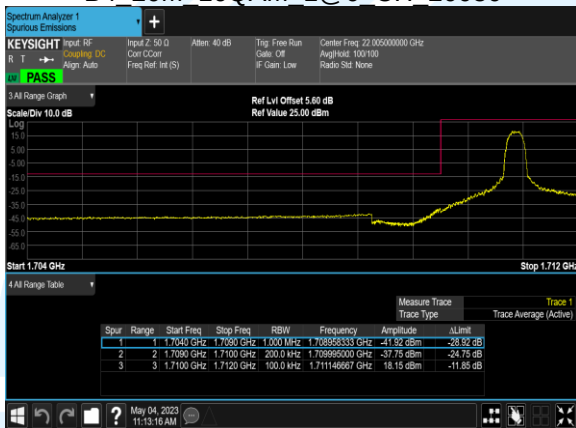
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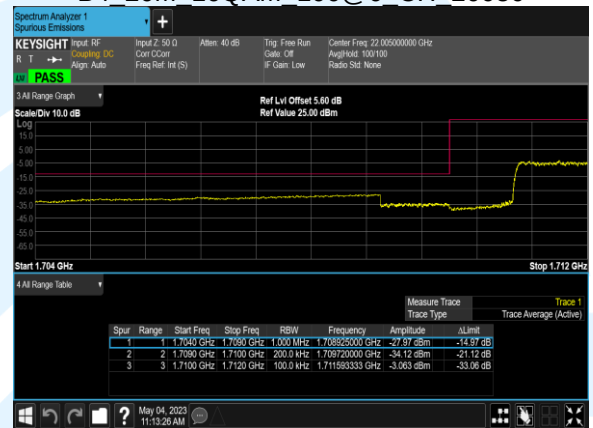
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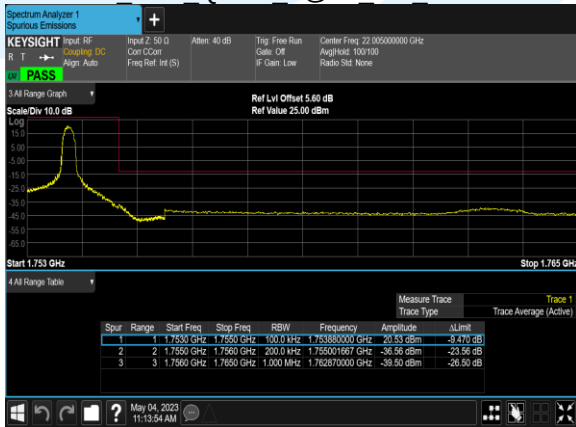
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B4 20M 16QAM 100@0 CH 20050



B4 20M QPSK 1@99 CH 20300



B4 20M QPSK 100@0 CH 20300

