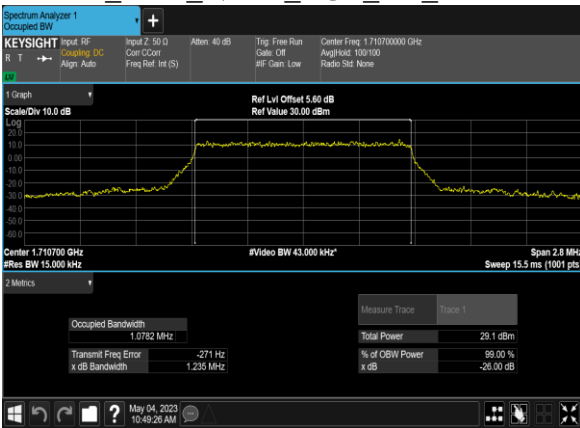


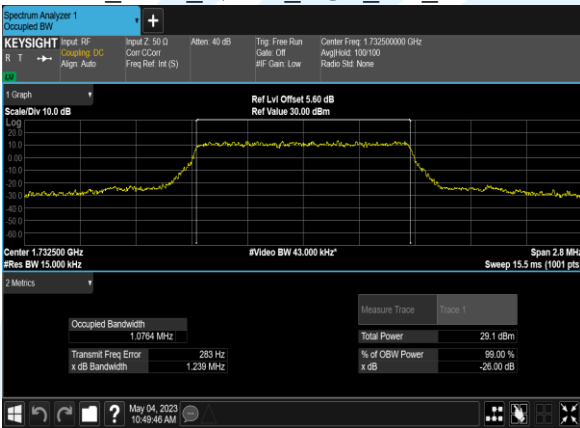
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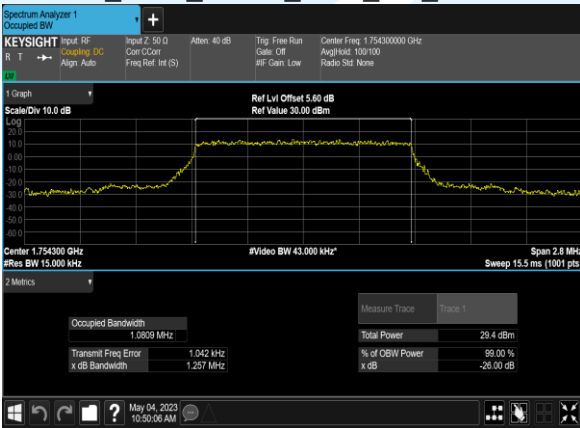
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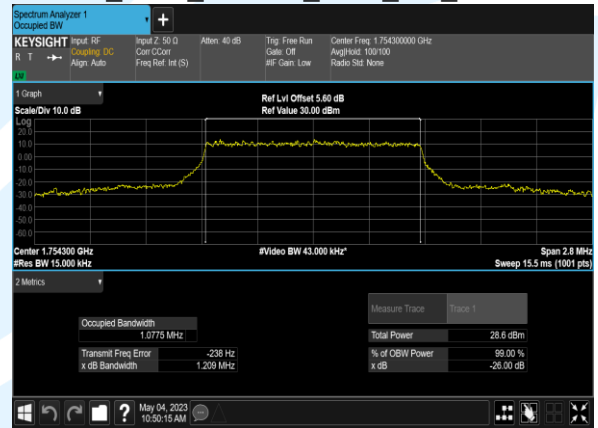
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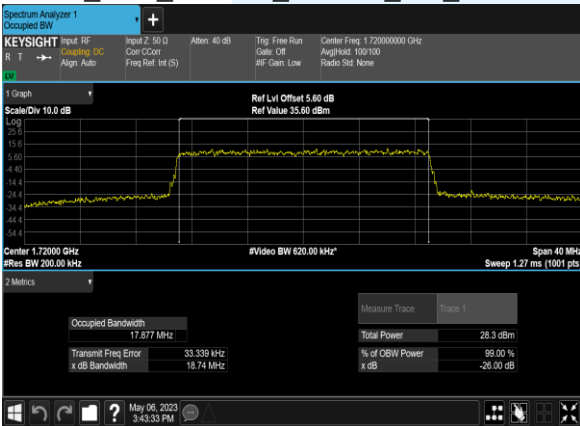
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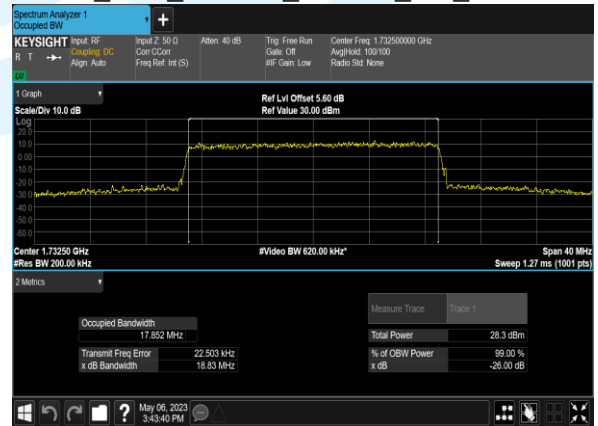
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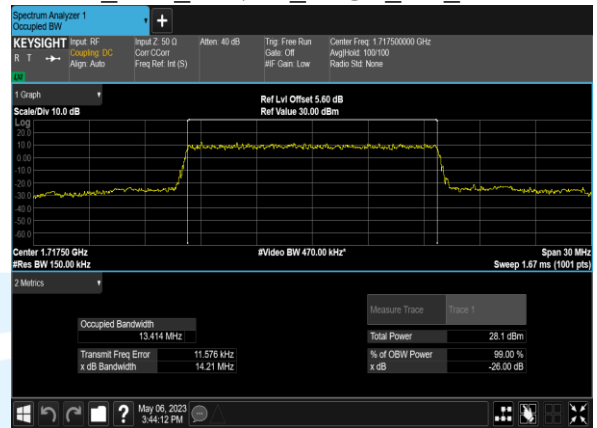
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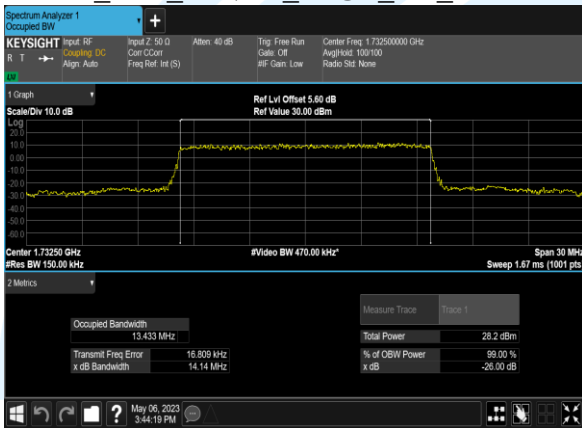
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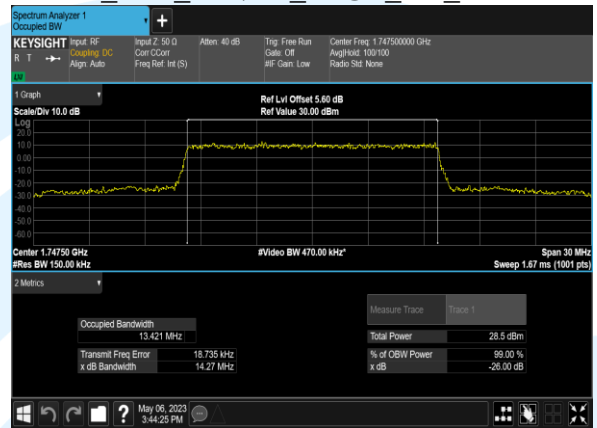
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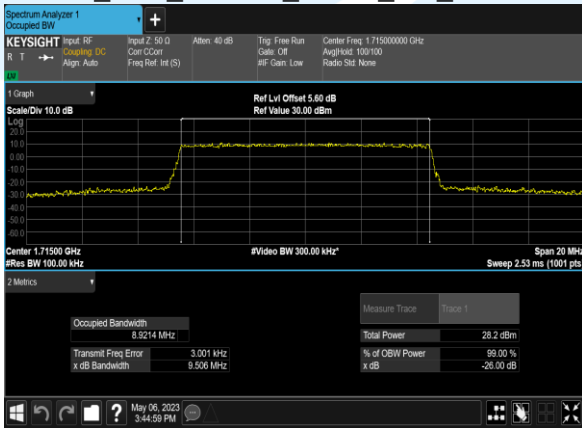
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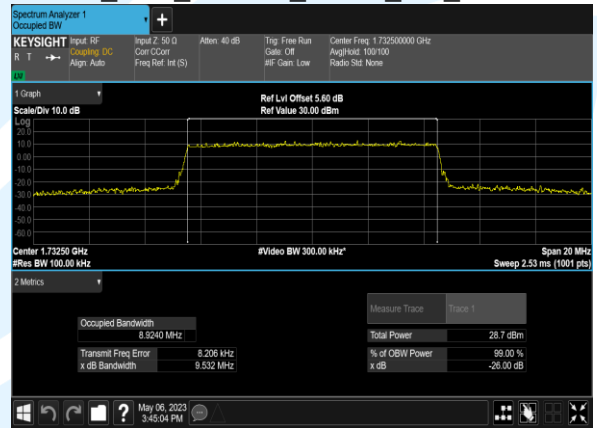
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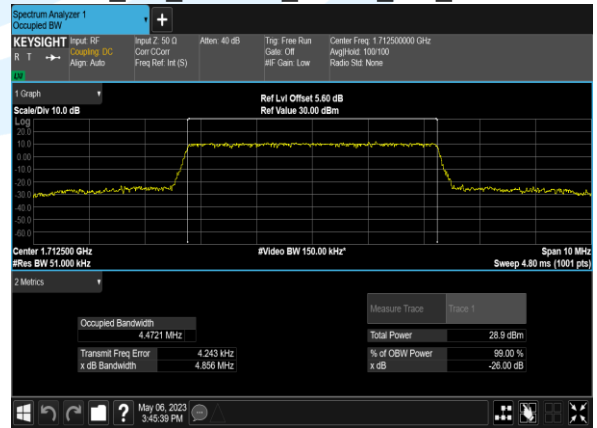
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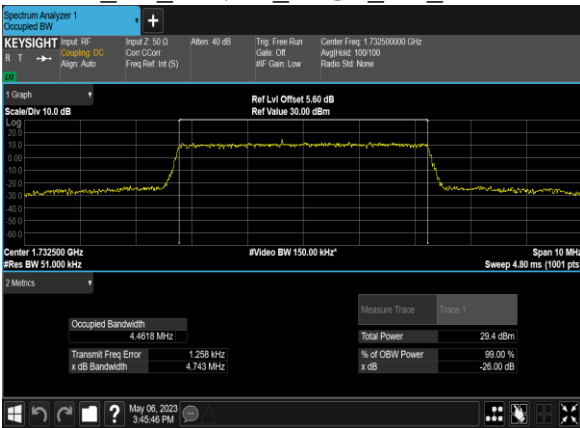
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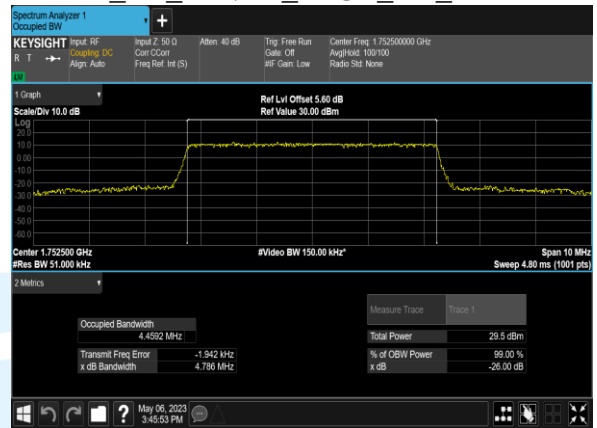
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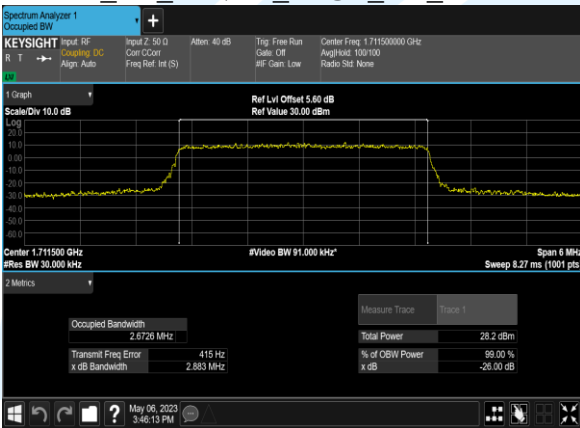
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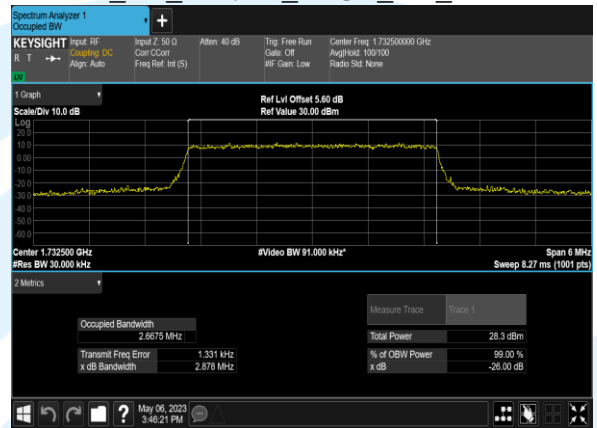
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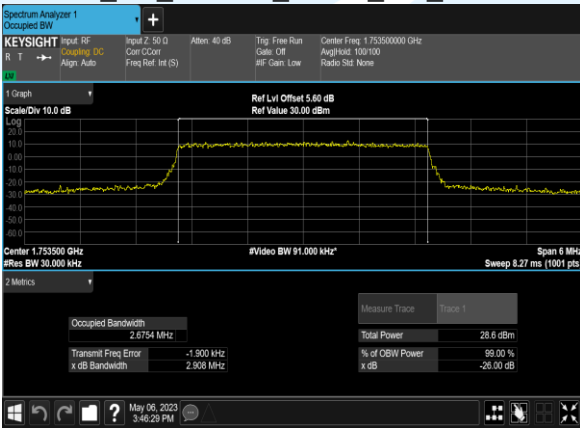
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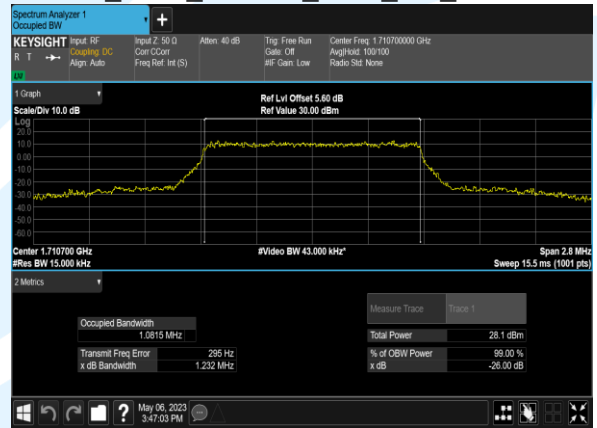
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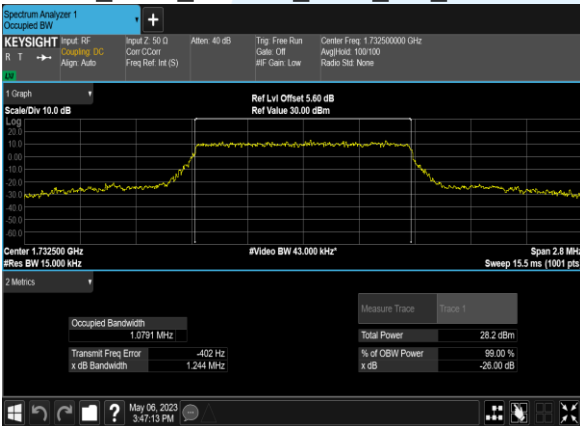
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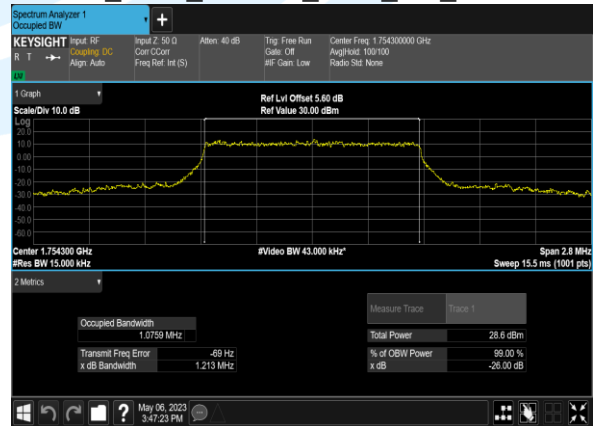
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B4_1.4M_64QAM_6@0_CH_20175



B4_1.4M_64QAM_6@0_CH_20393



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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

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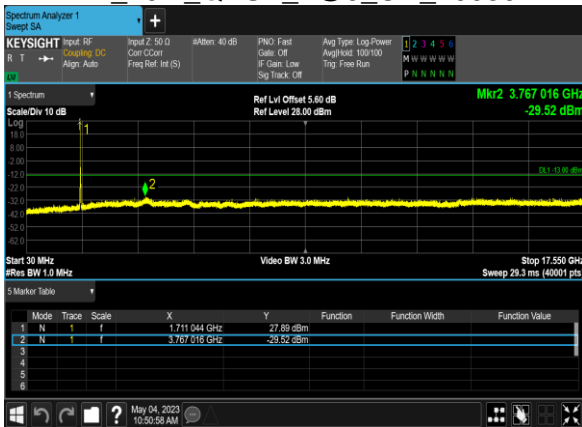
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Test Graphs

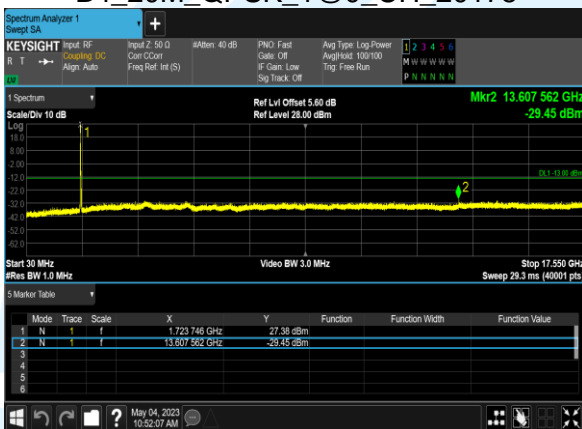
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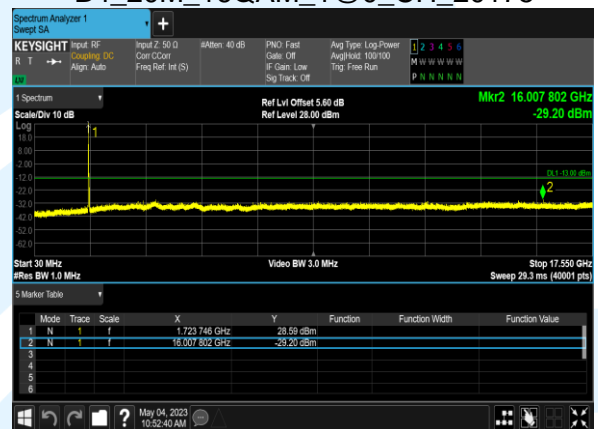
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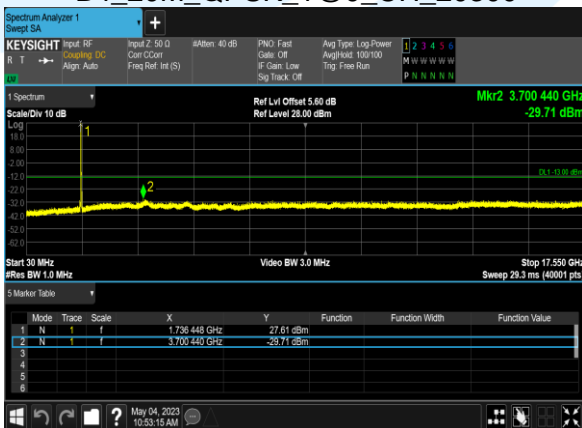
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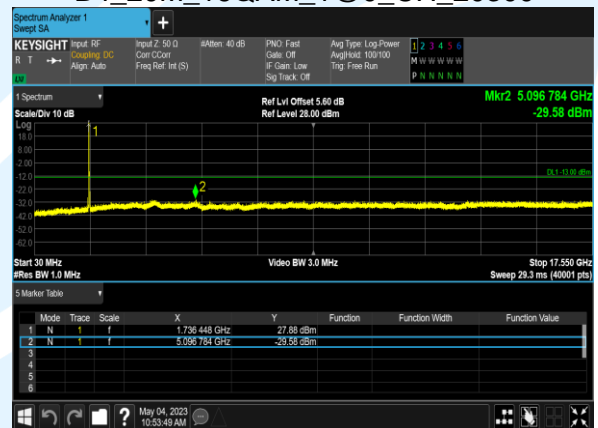
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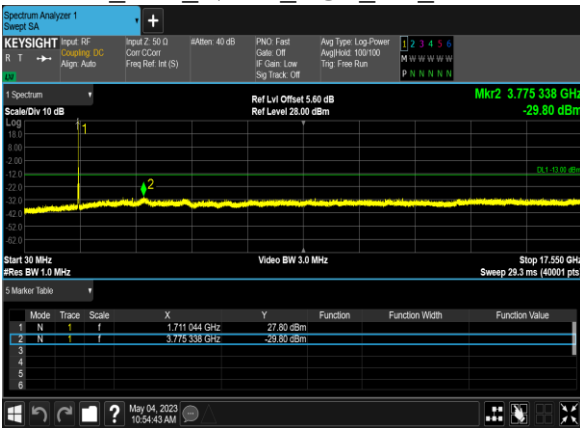
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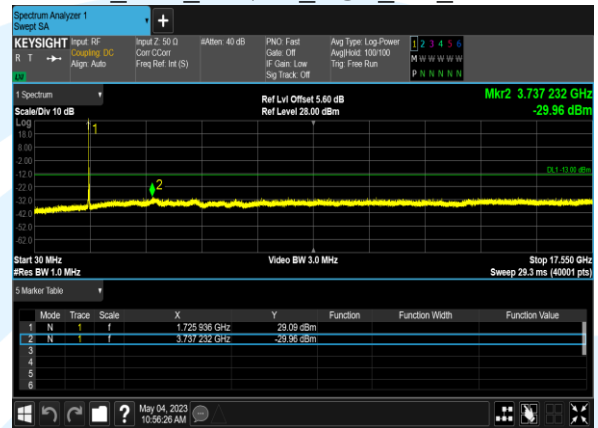
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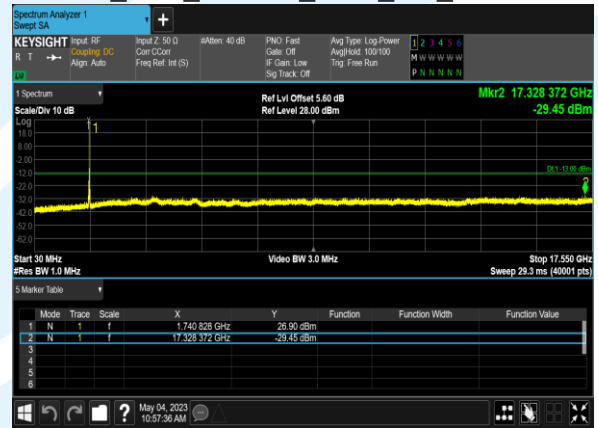
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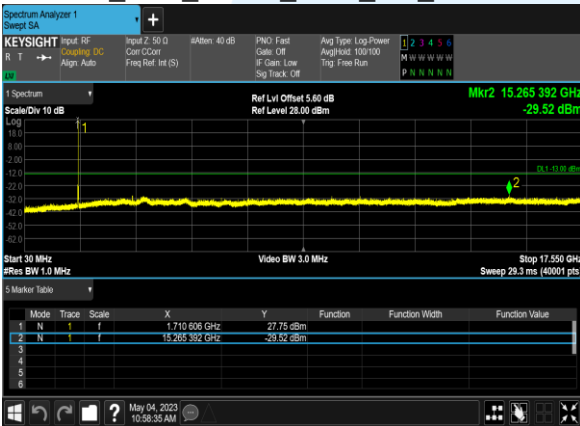
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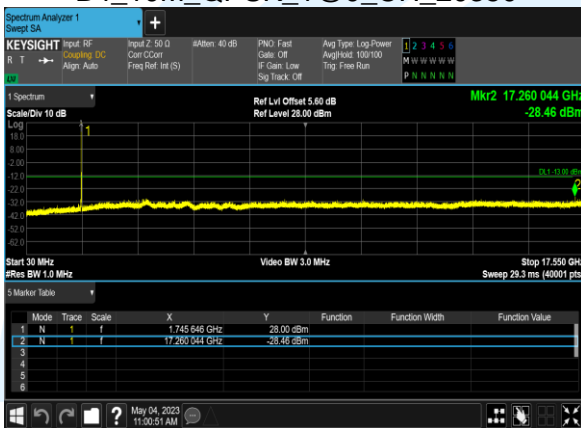
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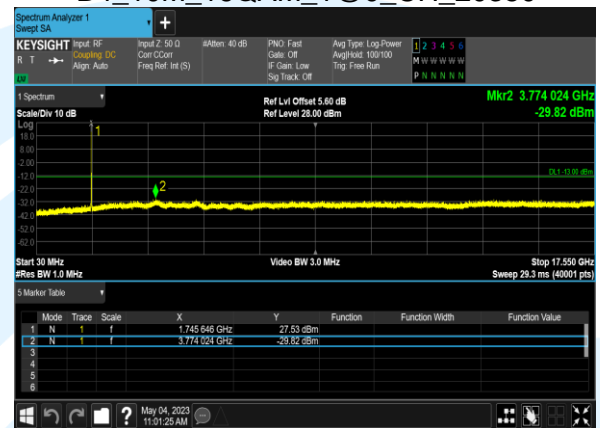
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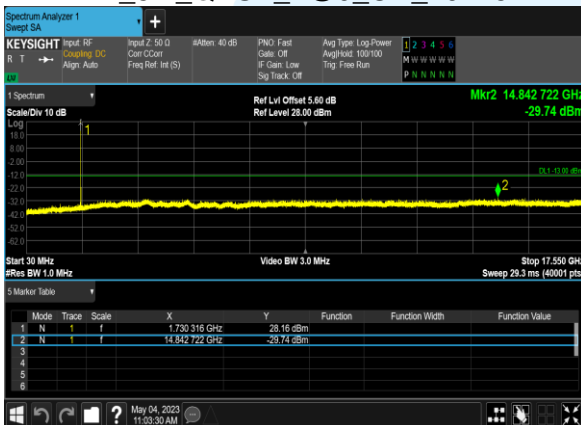
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B4_5M_QPSK_1@0_CH_20375



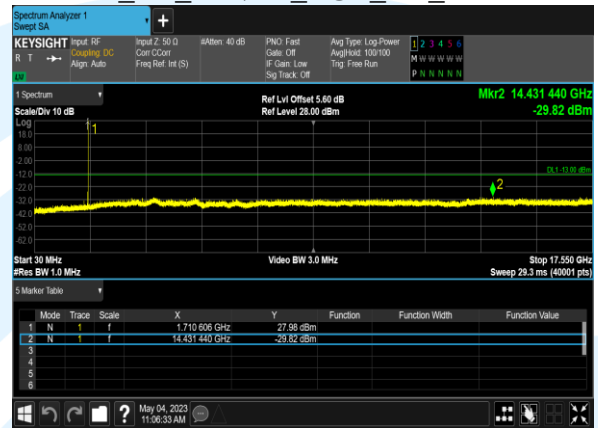
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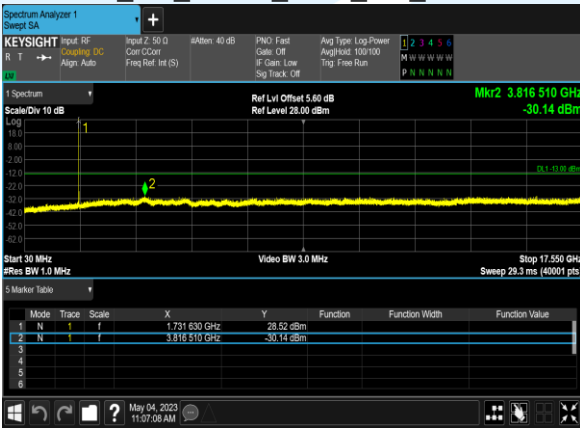
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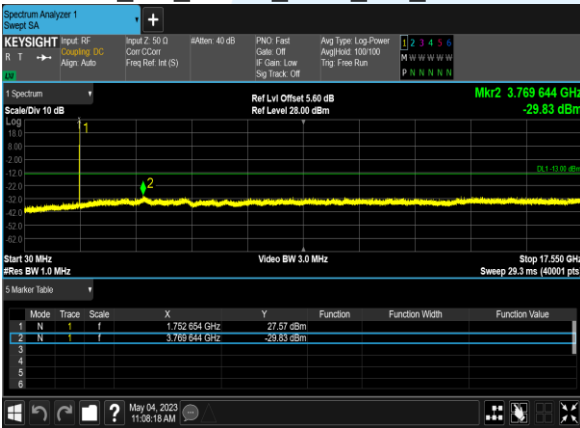
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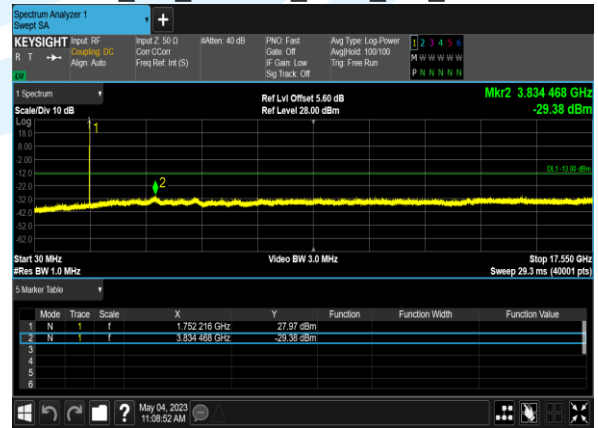
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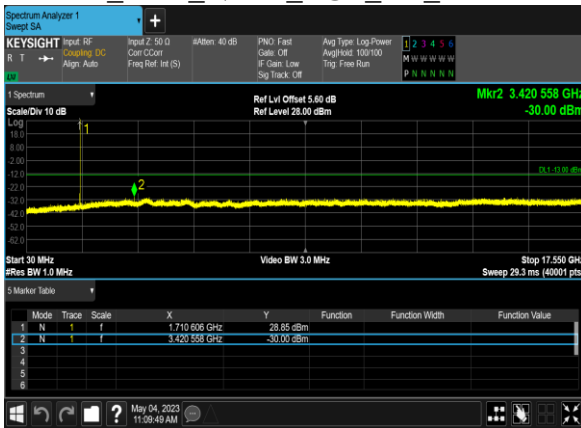
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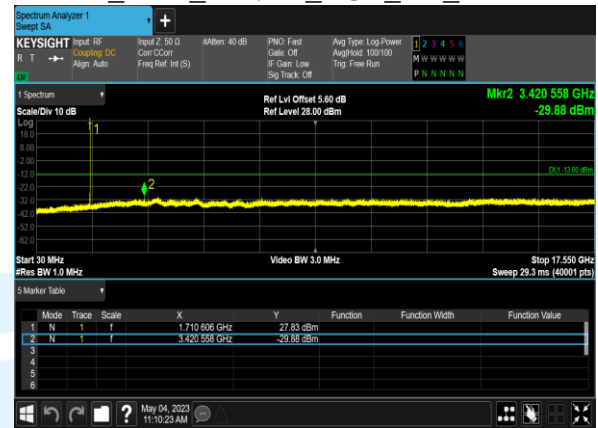
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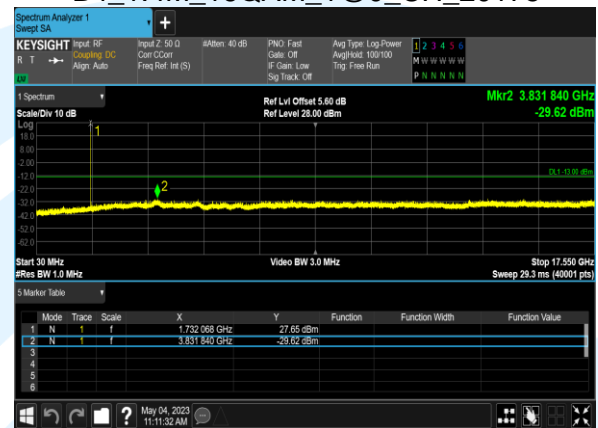
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B4_1.4M_QPSK_1@0_CH_20393



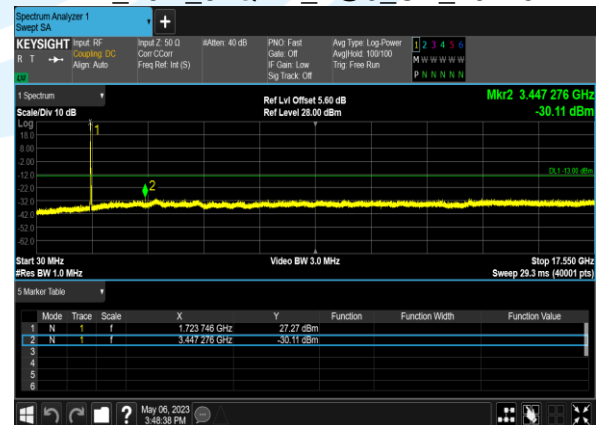
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B4_20M_64QAM_1@0_CH_20050



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B4_20M_64QAM_1@0_CH_20300



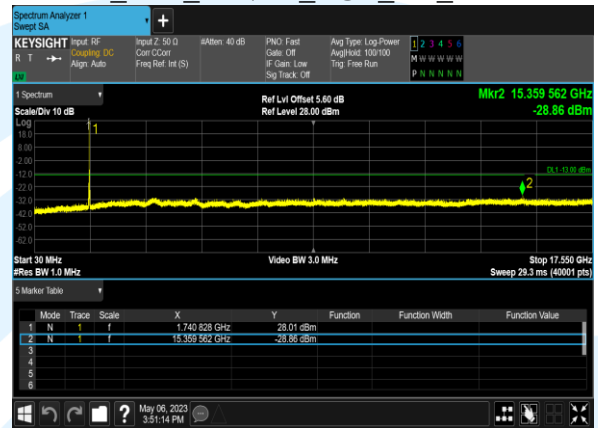
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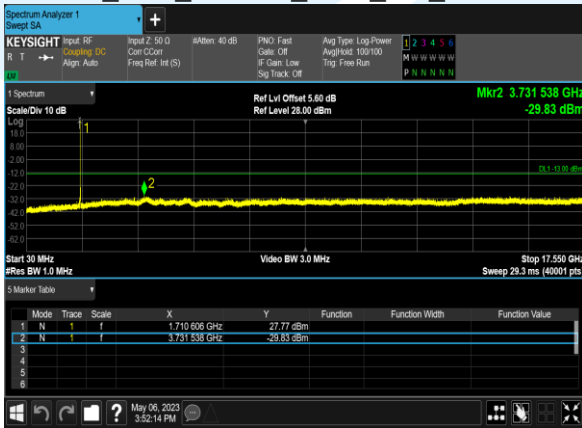
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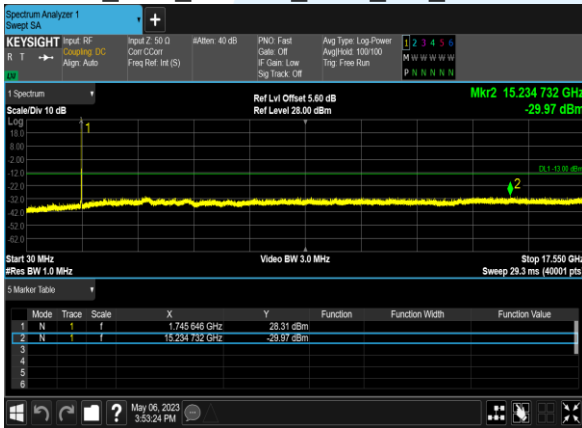
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B4_10M_64QAM_1@0_CH_20350



B4_5M_64QAM_1@0_CH_19975



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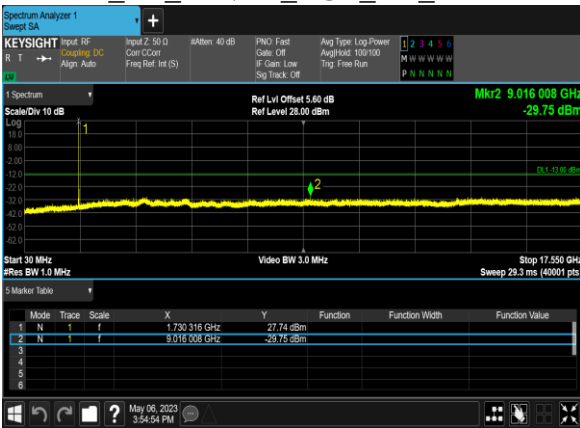
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E-mail: info@uttlab.com

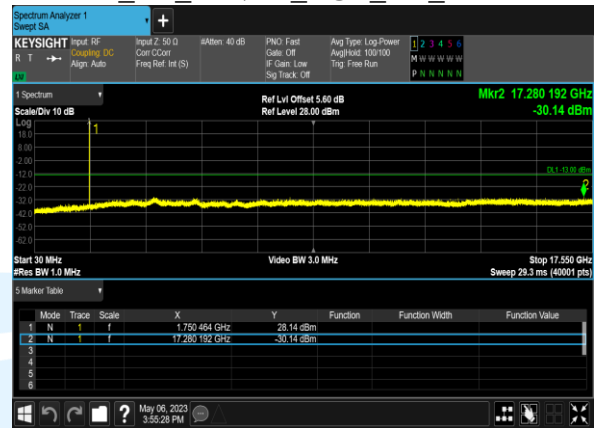
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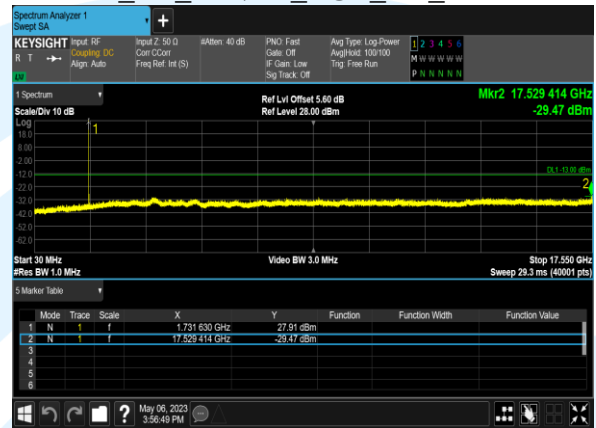
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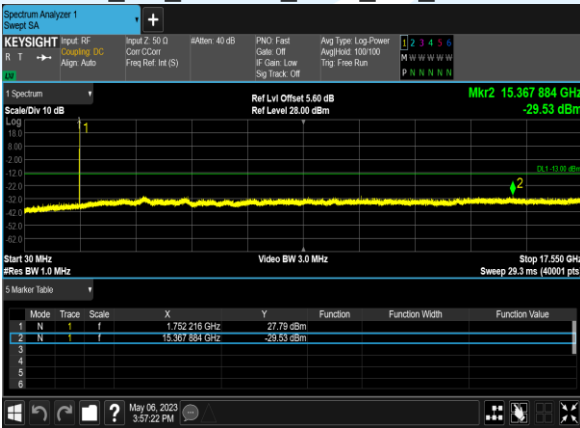
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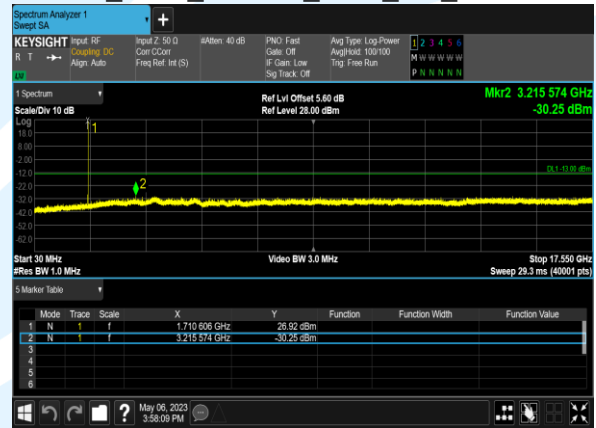
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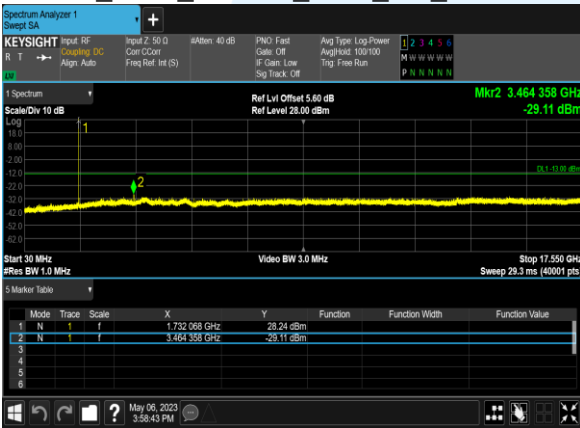
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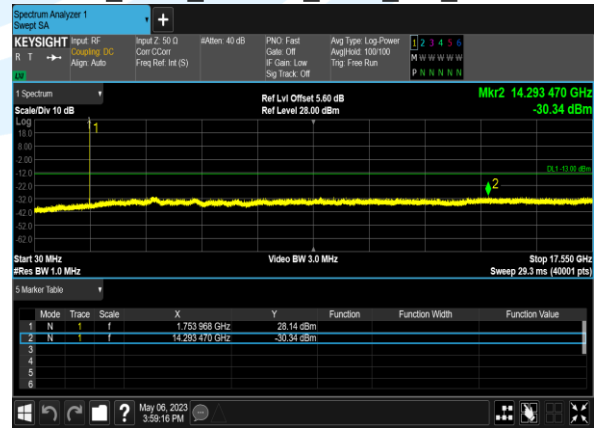
B4_1.4M_64QAM_1@0_CH_19957



B4_1.4M_64QAM_1@0_CH_20175



B4_1.4M_64QAM_1@0_CH_20393



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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

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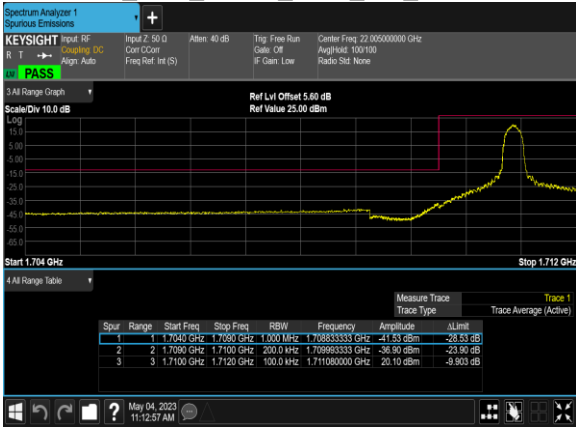
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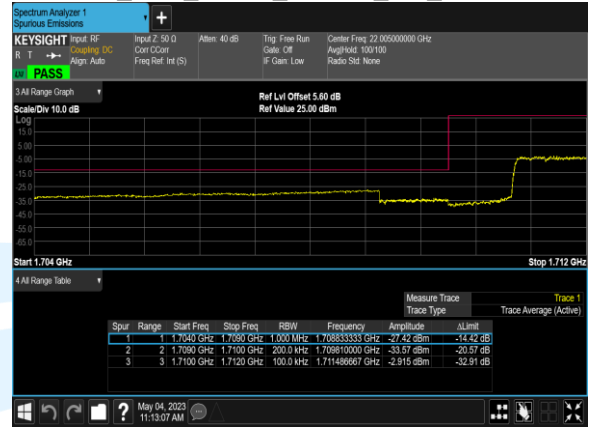
UTTR-RF-FCC4G-V1.1

Test Graphs

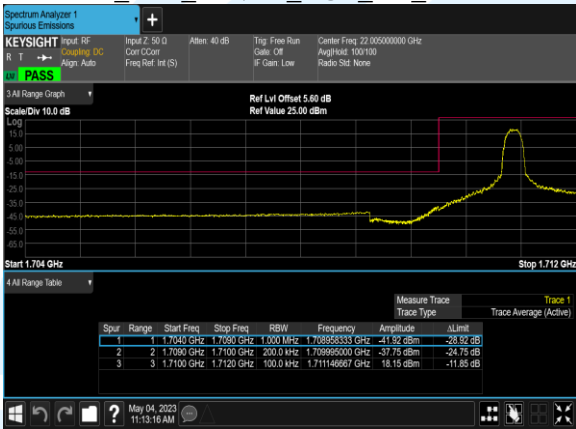
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B4_20M_QPSK_100@0_CH_20050



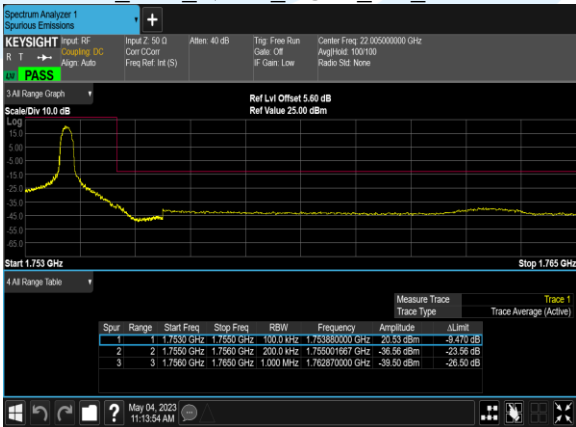
B4_20M_16QAM_1@0_CH_20050



B4_20M_16QAM_100@0_CH_20050



B4_20M_QPSK_1@99_CH_20300



B4_20M_QPSK_100@0_CH_20300

