

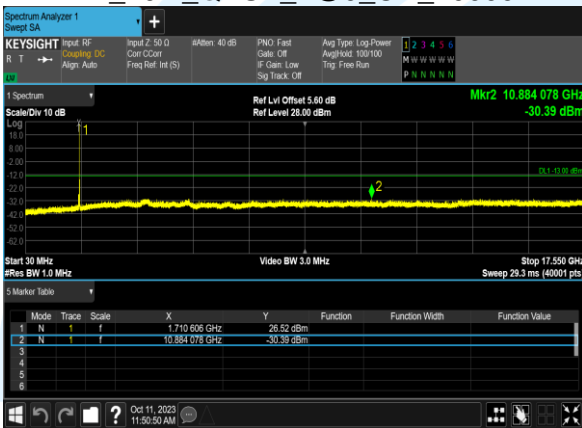
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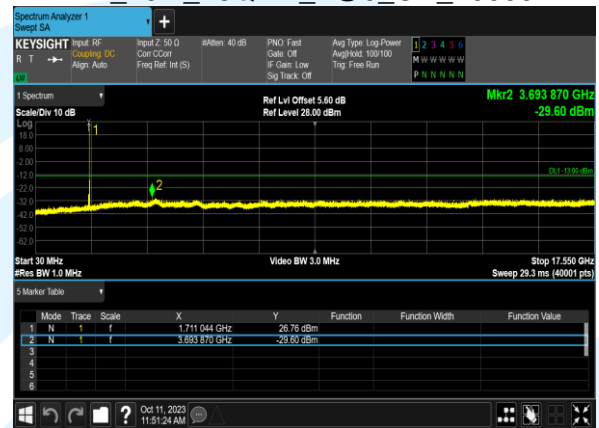
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B4_10M_QPSK_1@0_CH_20000



B4_10M_16QAM_1@0_CH_20000



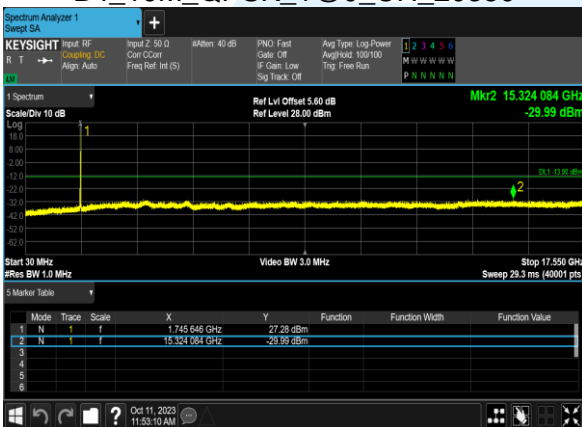
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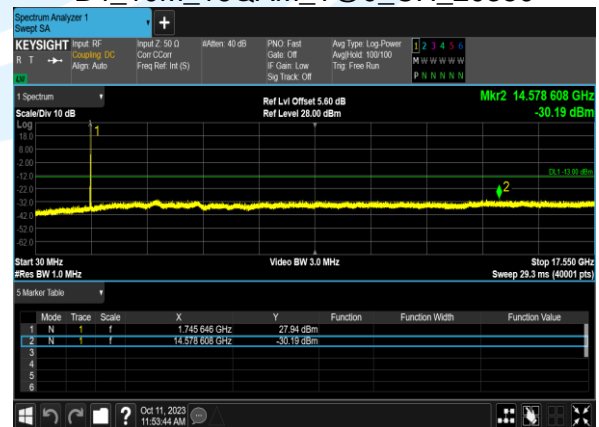
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B4_10M_QPSK_1@0_CH_20350



B4_10M_16QAM_1@0_CH_20350



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UTTR-RF-FCC4G-V1.1

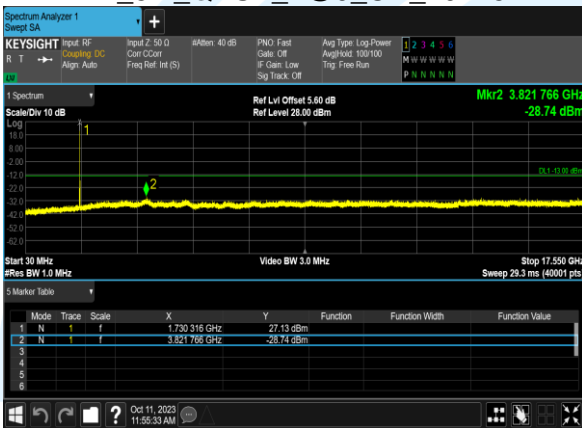
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B4_5M_16QAM_1@0_CH_19975



B4_5M_QPSK_1@0_CH_20175



B4_5M_16QAM_1@0_CH_20175



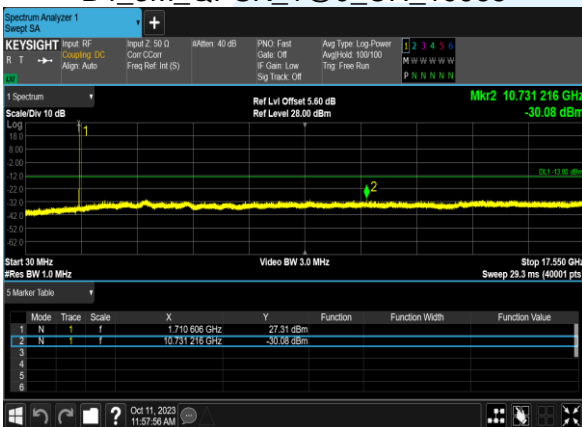
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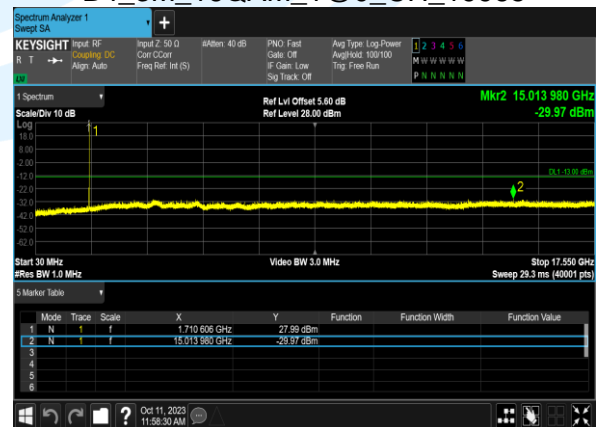
B4_5M_16QAM_1@0_CH_20375



B4_3M_QPSK_1@0_CH_19965



B4_3M_16QAM_1@0_CH_19965



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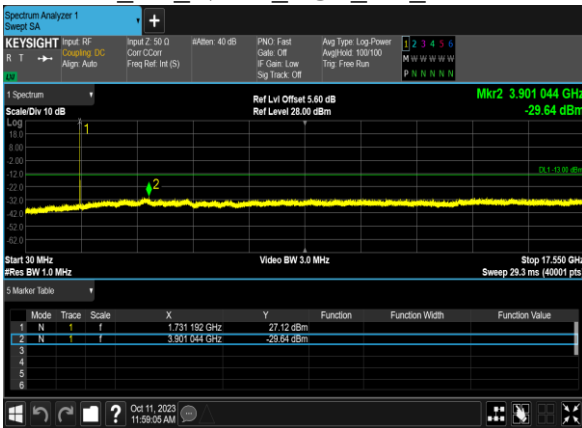
Fax: +86-755-28230886

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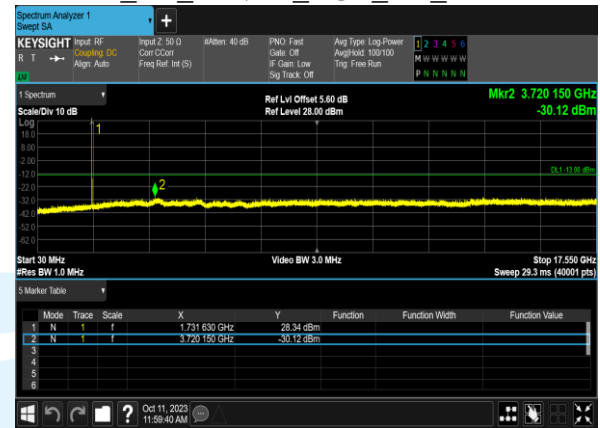
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UTTR-RF-FCC4G-V1.1

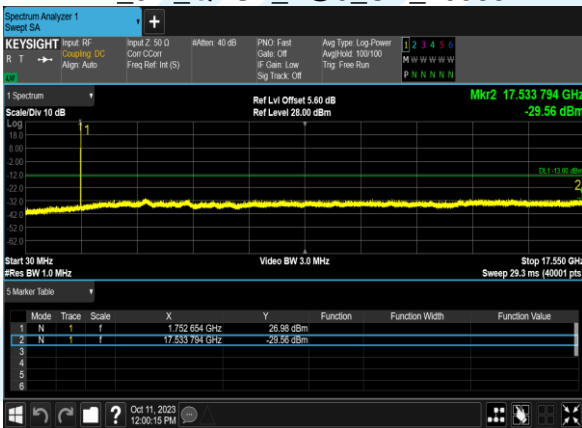
B4_3M_QPSK_1@0_CH_20175



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



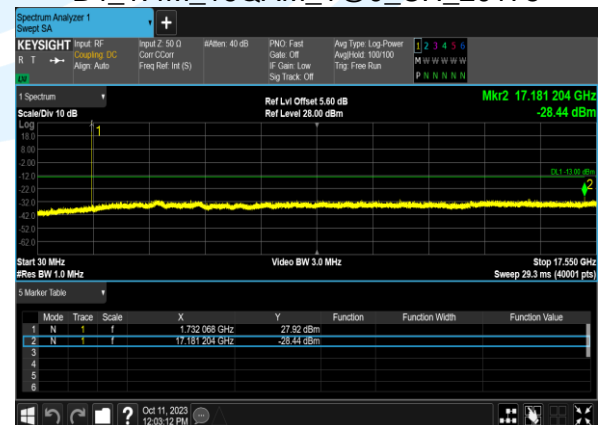
B4_1.4M_16QAM_1@0_CH_19957



B4_1.4M_QPSK_1@0_CH_20175



B4_1.4M_16QAM_1@0_CH_20175



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UTTR-RF-FCC4G-V1.1

B4_1.4M_QPSK_1@0_CH_20393



B4_1.4M_16QAM_1@0_CH_20393



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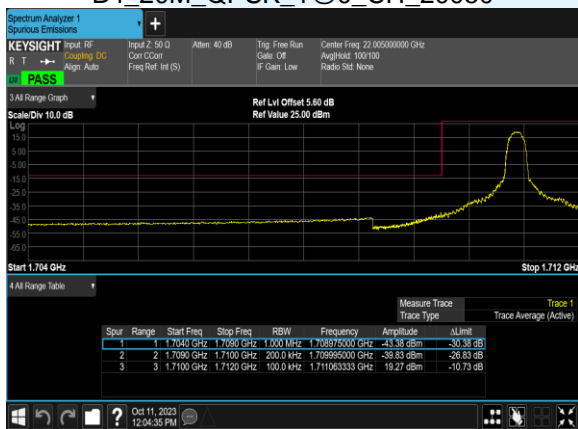
UTTR-RF-FCC4G-V1.1

Conducted Band Edge

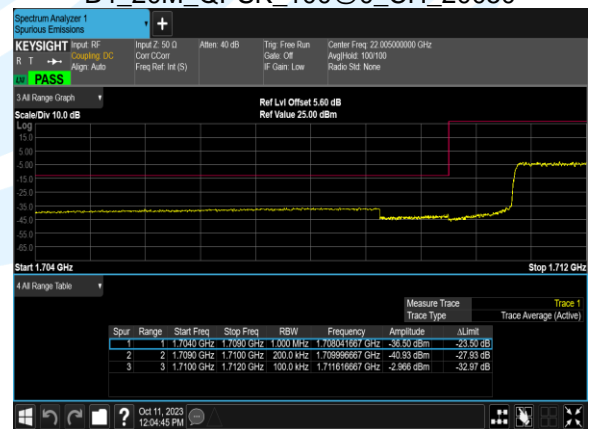
Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
4	20.0	20050	1720.0	QPSK	1@0	see graph	PASS
4	20.0	20050	1720.0	QPSK	100@0	see graph	PASS
4	20.0	20050	1720.0	16QAM	1@0	see graph	PASS
4	20.0	20050	1720.0	16QAM	100@0	see graph	PASS
4	20.0	20300	1745.0	QPSK	1@99	see graph	PASS
4	20.0	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

Test Graphs

B4_20M_QPSK_1@0_CH_20050



B4_20M_QPSK_100@0_CH_20050



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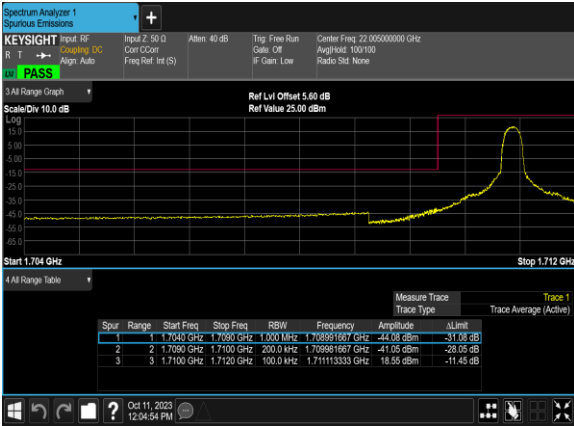
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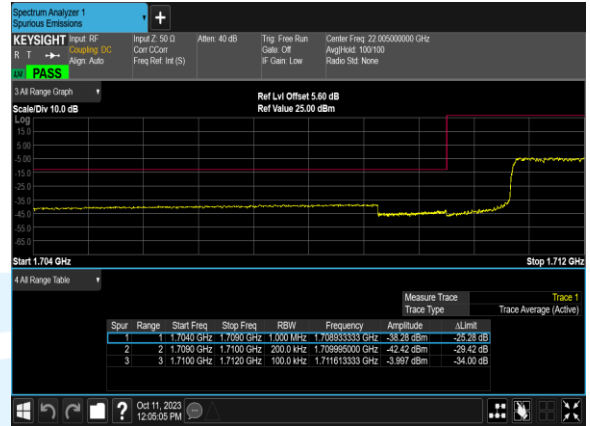
<http://www.uttlab.com>

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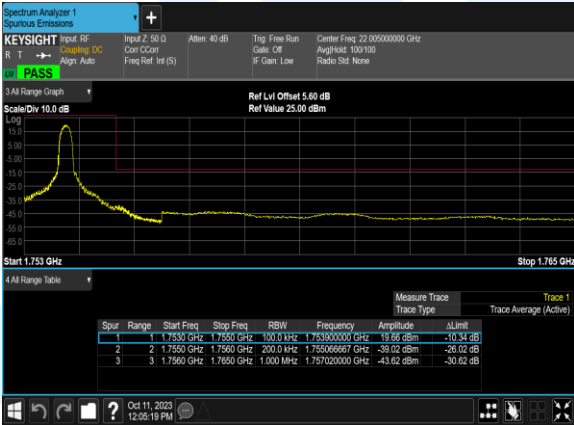
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B4_20M_16QAM_100@0_CH_20050



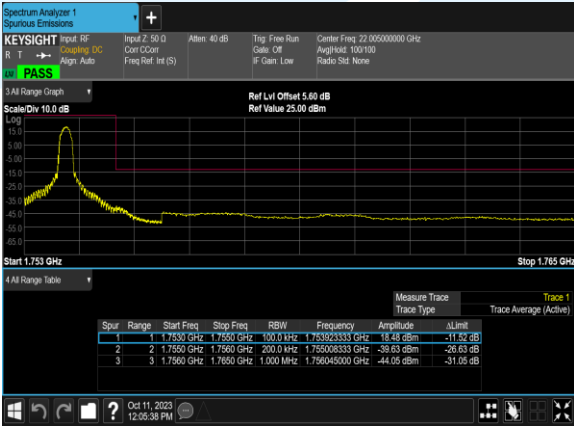
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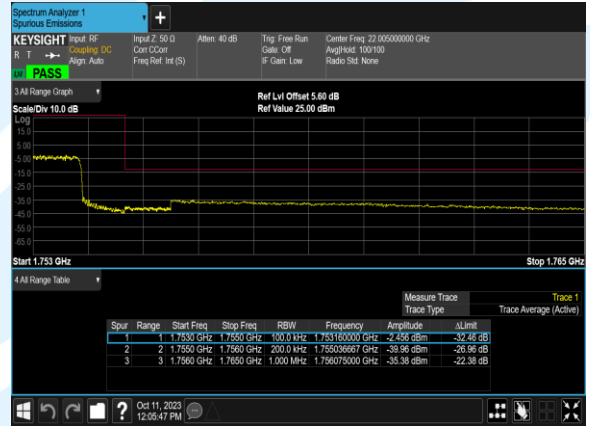
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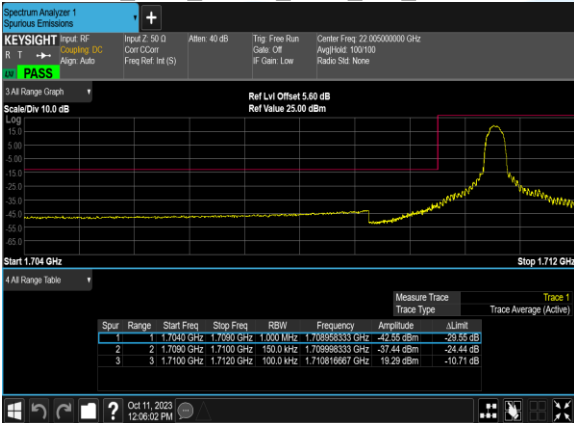
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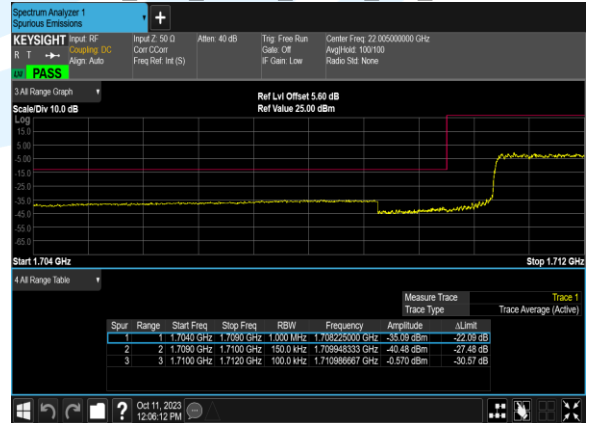
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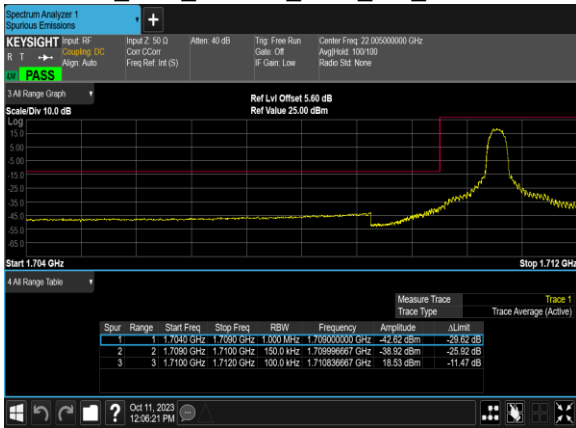
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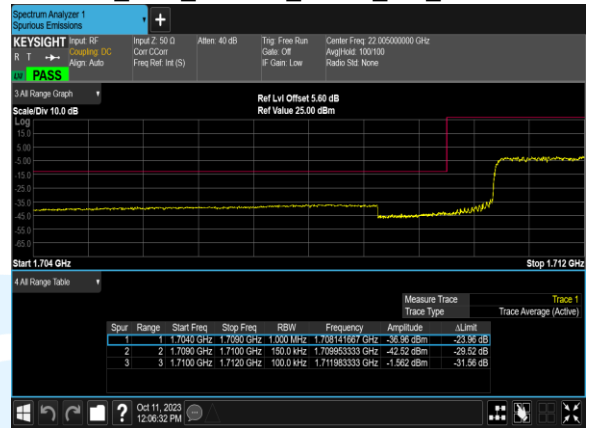
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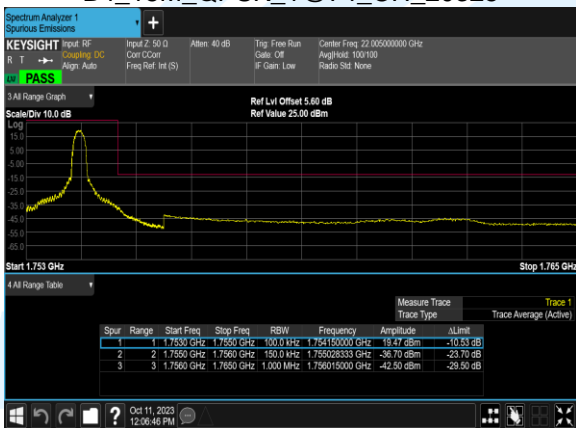
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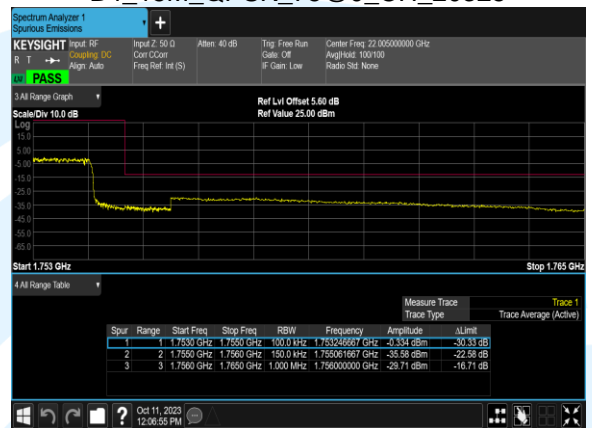
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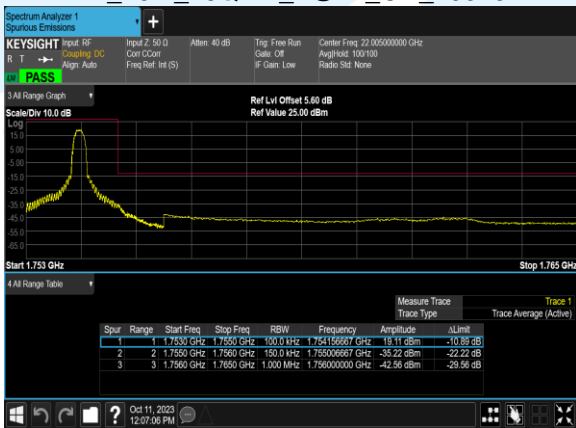
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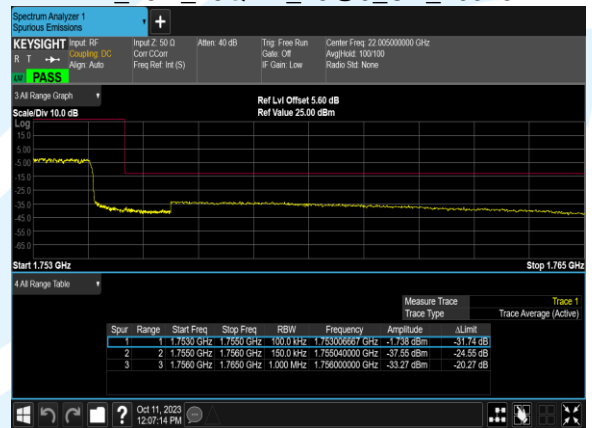
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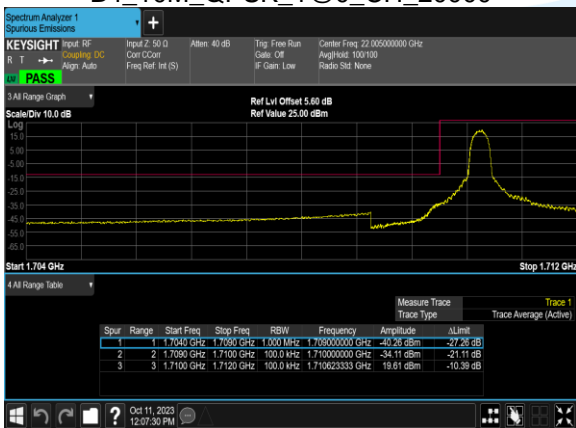
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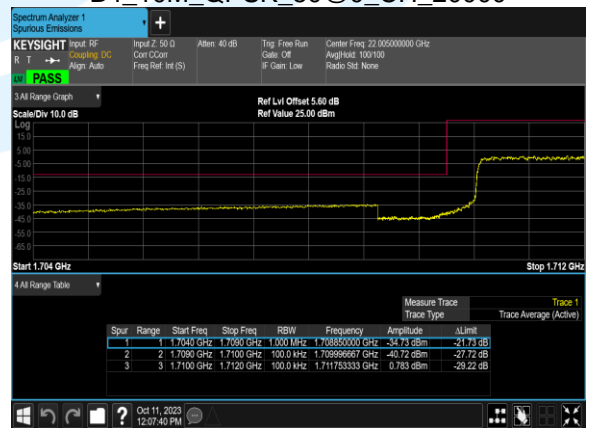
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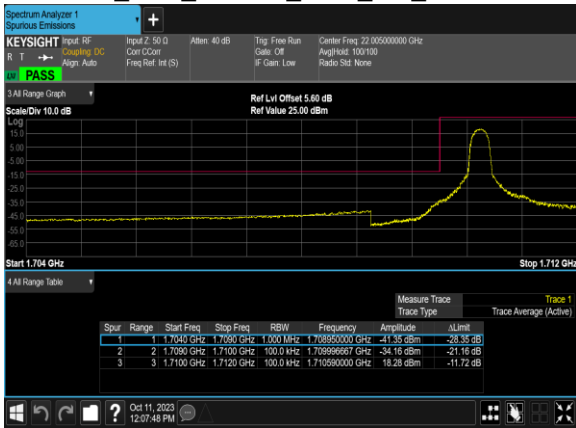
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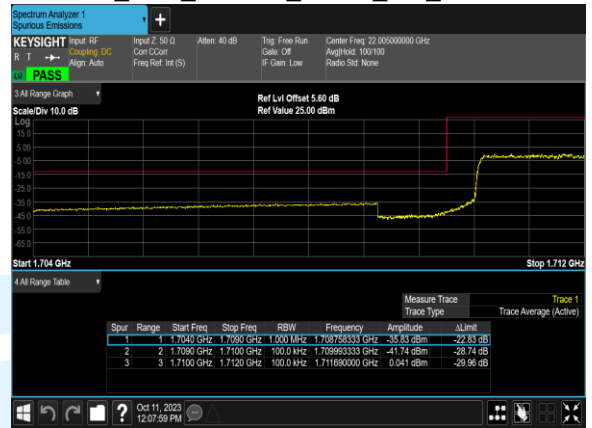
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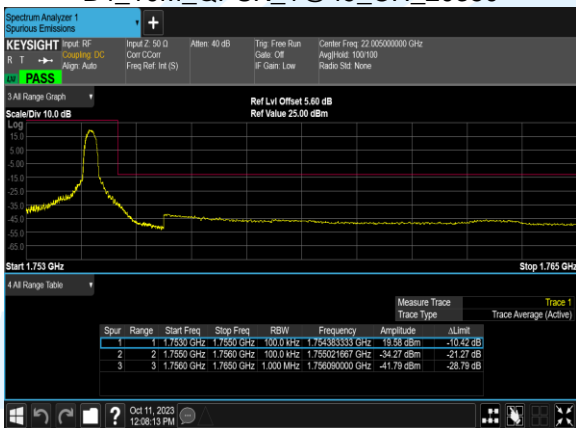
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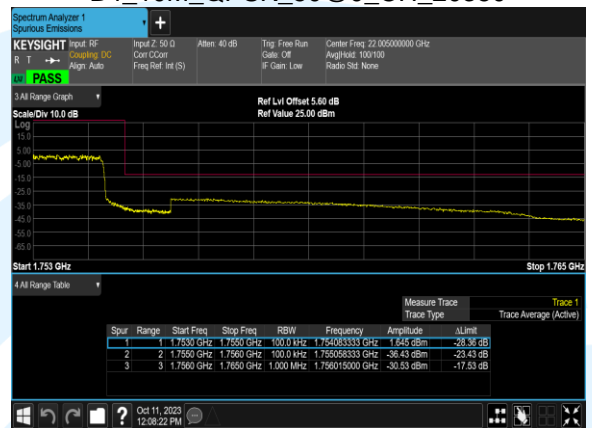
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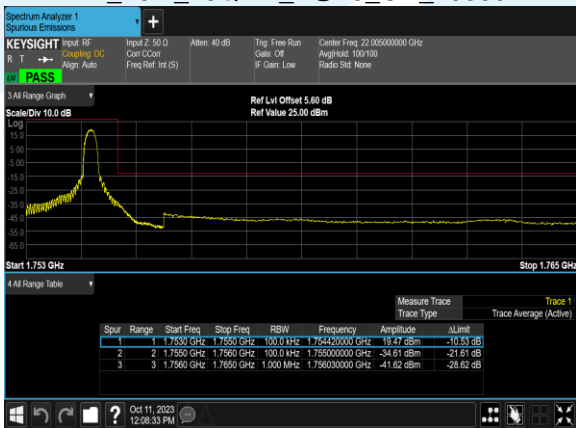
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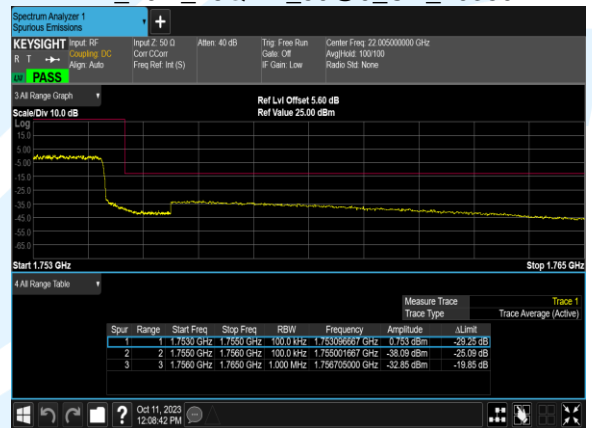
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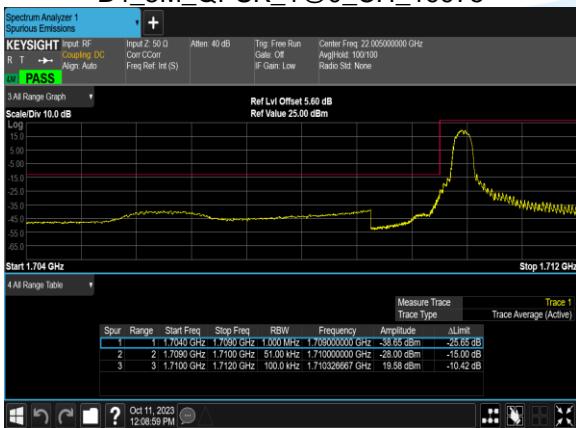
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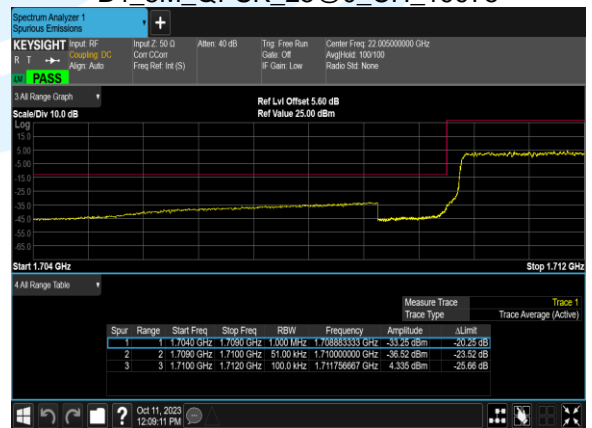
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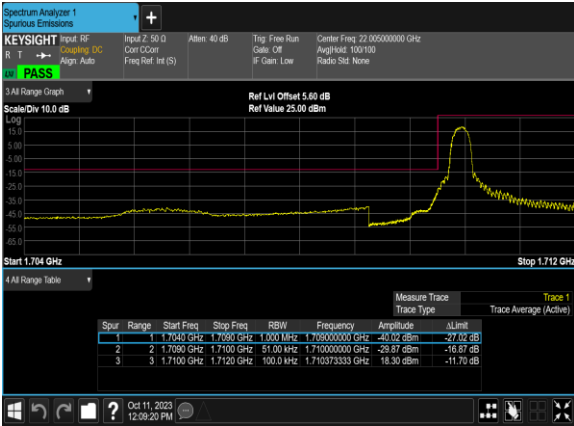
B4_5M_QPSK_1@0_CH_19975



B4_5M_QPSK_25@0_CH_19975



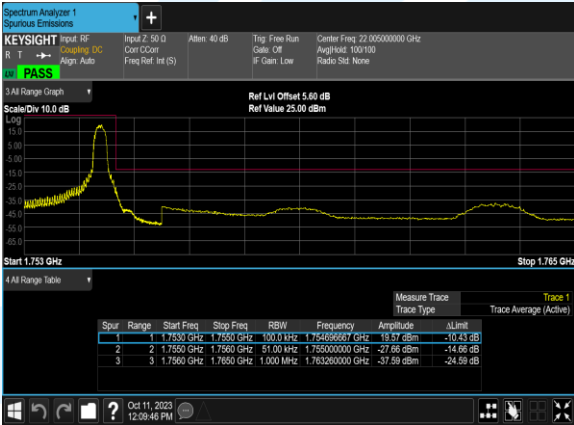
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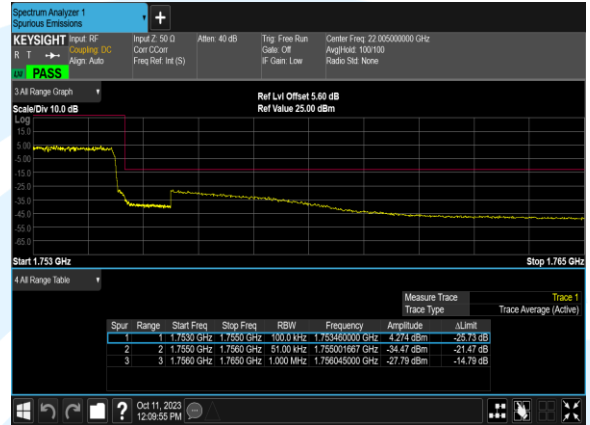
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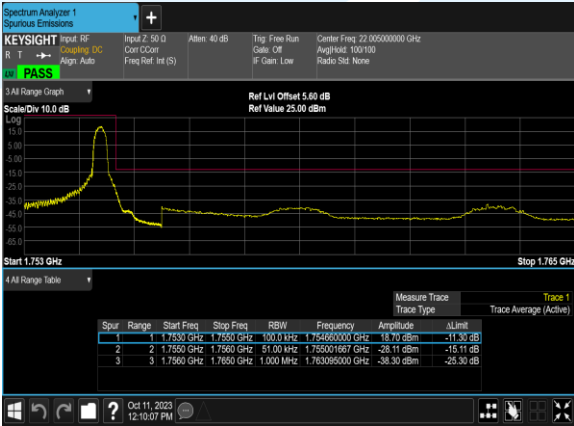
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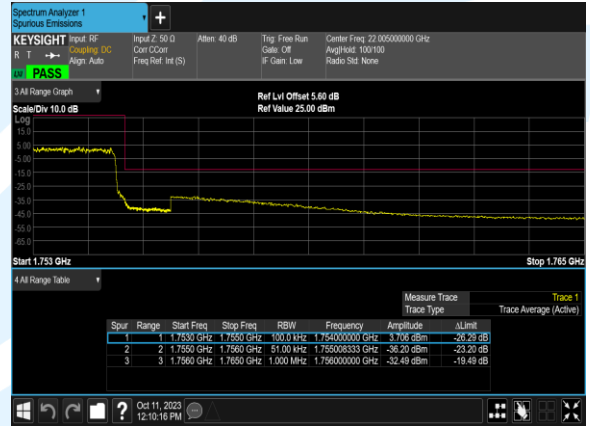
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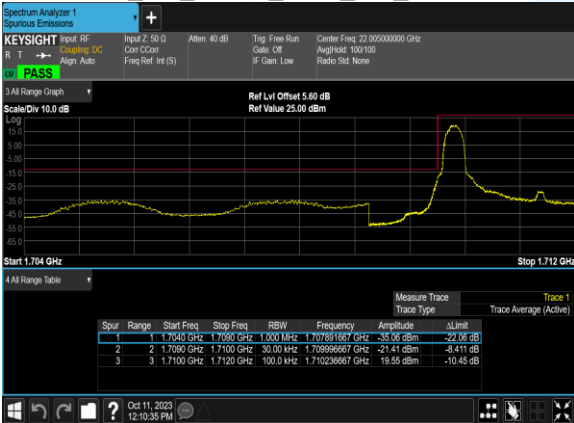
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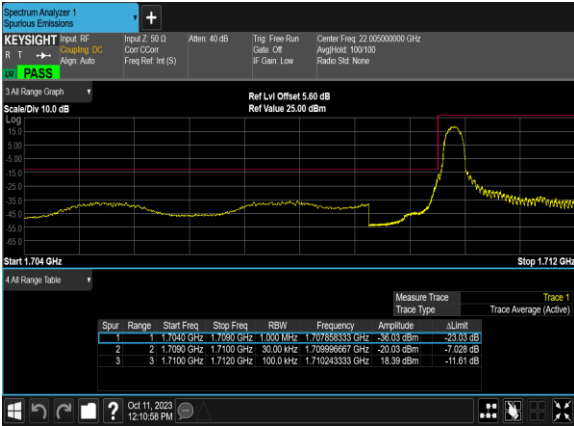
B4_3M_QPSK_1@0_CH_19965



B4_3M_QPSK_15@0_CH_19965



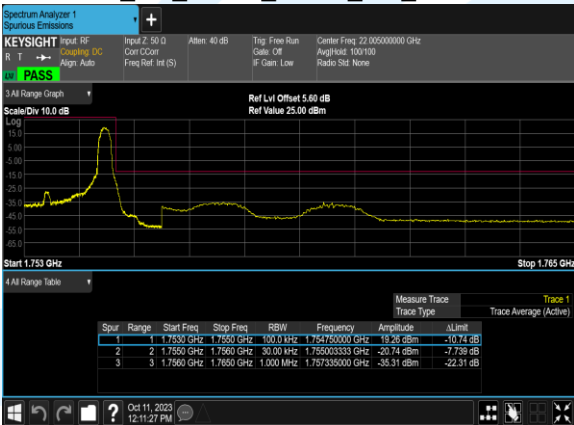
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B4_3M_16QAM_15@0_CH_19965



B4_3M_QPSK_1@14_CH_20385



B4_3M_QPSK_15@0_CH_20385



B4_3M_16QAM_1@14_CH_20385



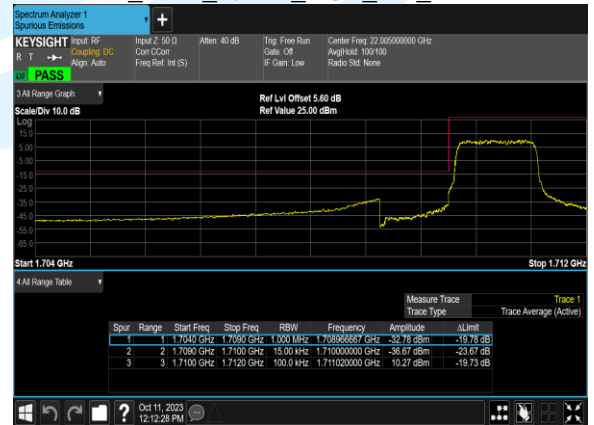
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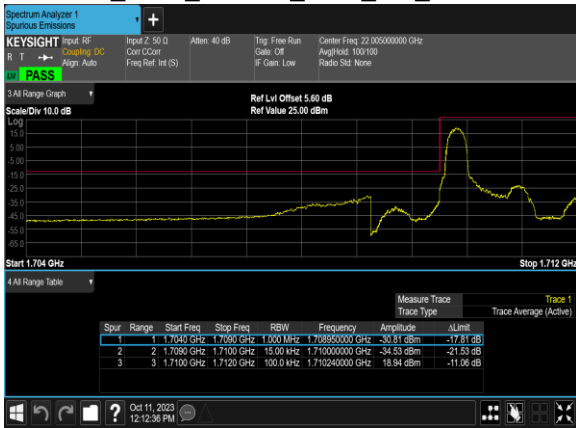
B4_1.4M_QPSK_1@0_CH_19957



B4_1.4M_QPSK_6@0_CH_19957



B4_1.4M_16QAM_1@0_CH_19957



B4_1.4M_16QAM_6@0_CH_19957



B4_1.4M_QPSK_1@5_CH_20393



B4_1.4M_QPSK_6@0_CH_20393



B4_1.4M_16QAM_1@5_CH_20393



B4_1.4M_16QAM_6@0_CH_20393



A.3 LTE BAND 5

Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	10.0	20450	829.0	QPSK	50@0	5.55	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.21	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.59	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.33	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.60	13	PASS
5	10.0	20600	844.0	16QAM	50@0	6.25	13	PASS
5	5.0	20425	826.5	QPSK	25@0	5.48	13	PASS
5	5.0	20425	826.5	16QAM	25@0	6.11	13	PASS
5	5.0	20525	836.5	QPSK	25@0	5.59	13	PASS
5	5.0	20525	836.5	16QAM	25@0	6.28	13	PASS
5	5.0	20625	846.5	QPSK	25@0	5.61	13	PASS
5	5.0	20625	846.5	16QAM	25@0	6.33	13	PASS
5	3.0	20415	825.5	QPSK	15@0	5.54	13	PASS
5	3.0	20415	825.5	16QAM	15@0	6.20	13	PASS
5	3.0	20525	836.5	QPSK	15@0	5.55	13	PASS
5	3.0	20525	836.5	16QAM	15@0	6.30	13	PASS
5	3.0	20635	847.5	QPSK	15@0	5.71	13	PASS
5	3.0	20635	847.5	16QAM	15@0	6.47	13	PASS
5	1.4	20407	824.7	QPSK	6@0	5.59	13	PASS
5	1.4	20407	824.7	16QAM	6@0	6.22	13	PASS
5	1.4	20525	836.5	QPSK	6@0	5.57	13	PASS
5	1.4	20525	836.5	16QAM	6@0	6.37	13	PASS
5	1.4	20643	848.3	QPSK	6@0	5.60	13	PASS
5	1.4	20643	848.3	16QAM	6@0	6.38	13	PASS

Test Graphs

B5_10M_QPSK_50@0_CH_20450



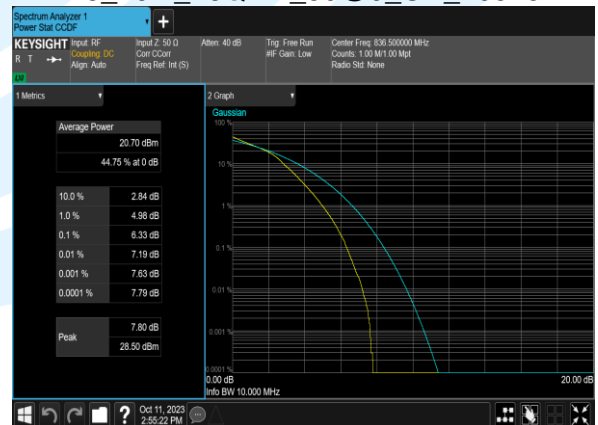
B5_10M_16QAM_50@0_CH_20450



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



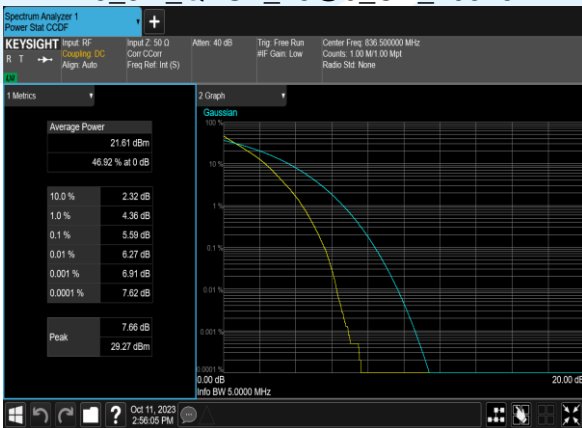
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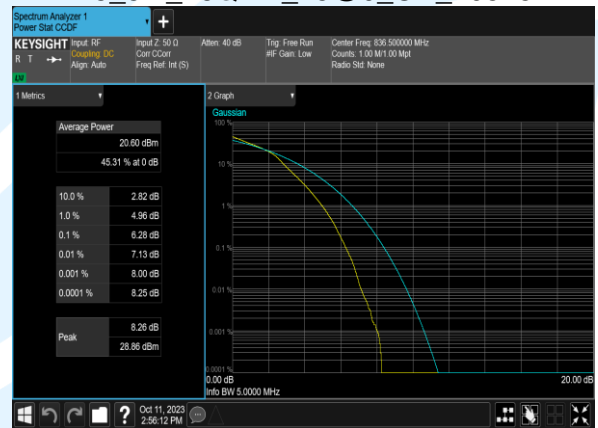
B5_5M_16QAM_25@0_CH_20425



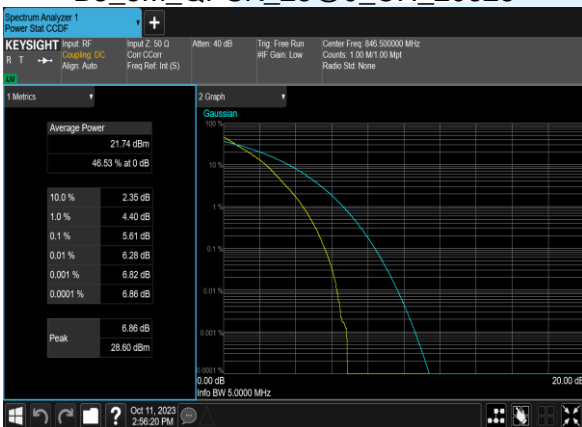
B5_5M_QPSK_25@0_CH_20525



B5_5M_16QAM_25@0_CH_20525



B5_5M_QPSK_25@0_CH_20625



B5_5M_16QAM_25@0_CH_20625

