

B4 3M 64QAM 1@0 CH 19965



B4 3M 64QAM 1@0 CH 19175



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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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
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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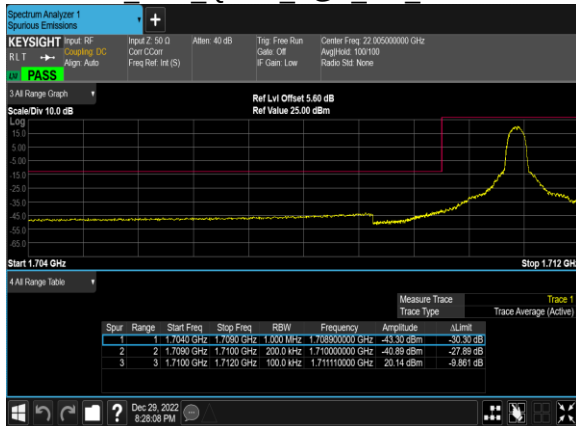
Fax: +86-755-28230886

E-mail: info@uttlab.com

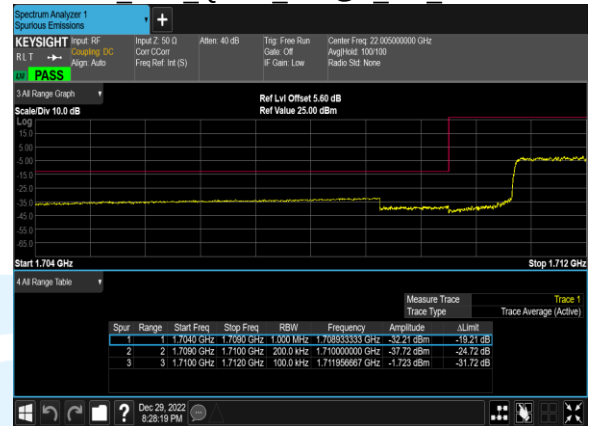
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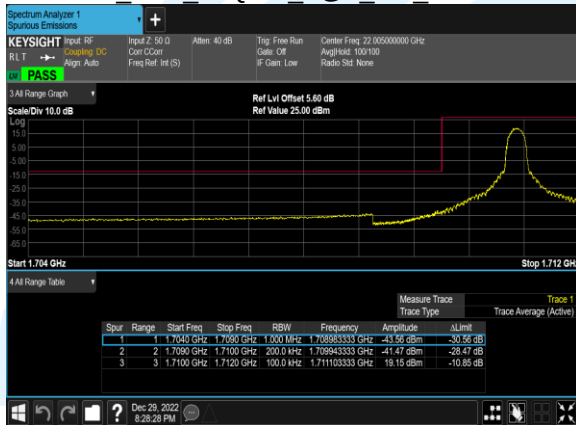
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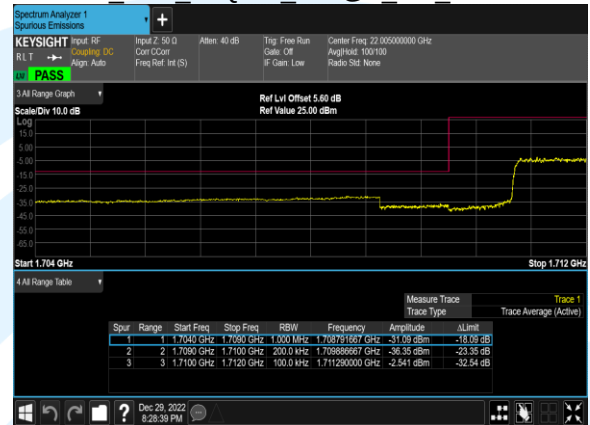
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B4 20M 16QAM 1@0 CH 20050



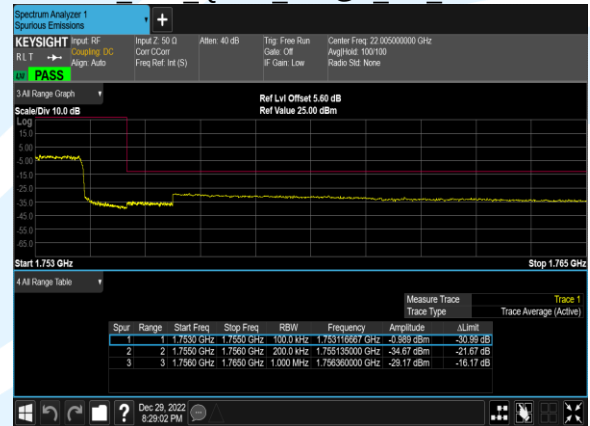
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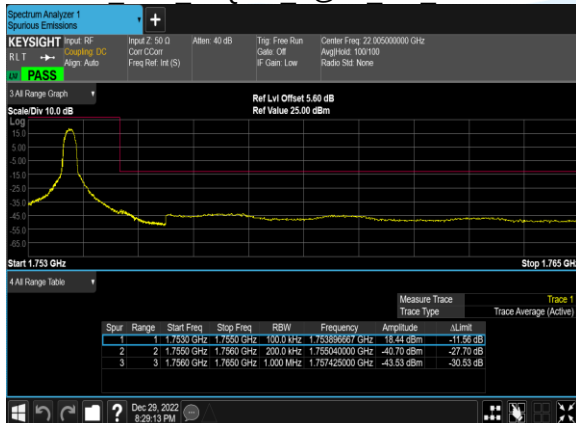
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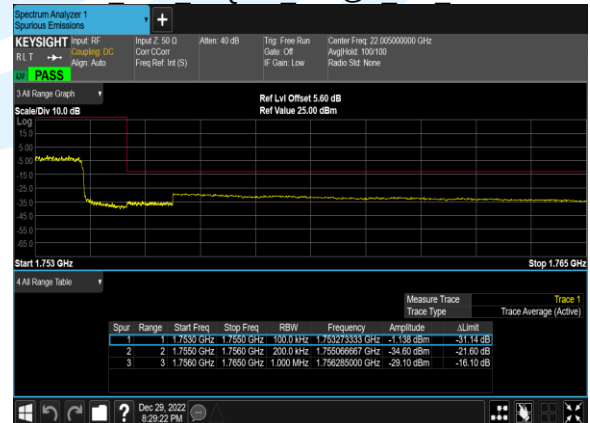
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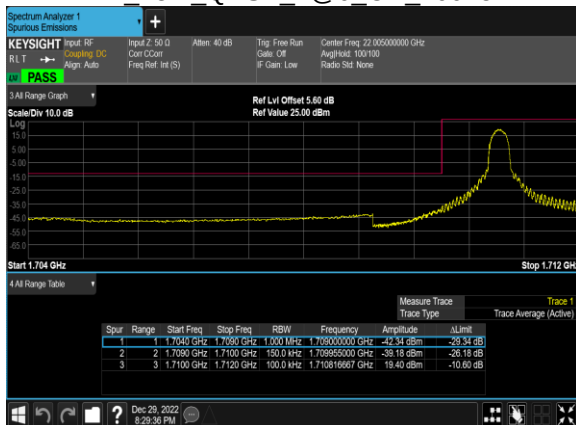
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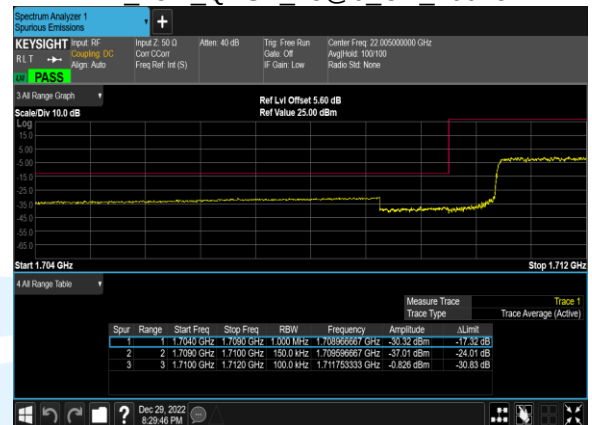
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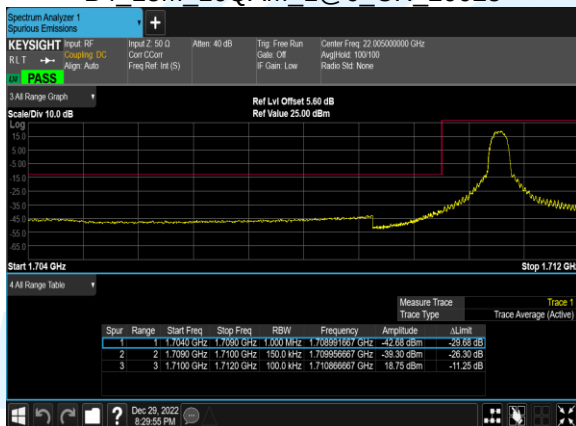
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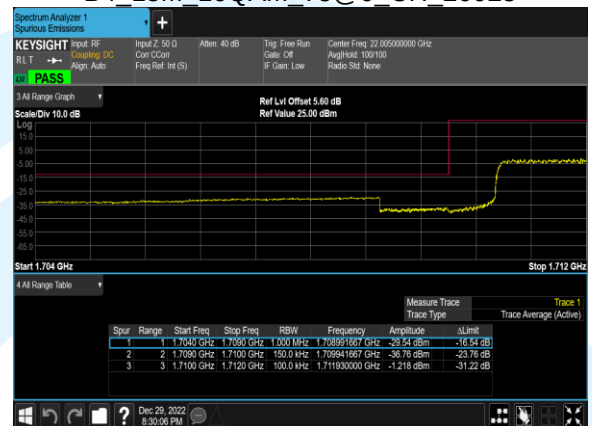
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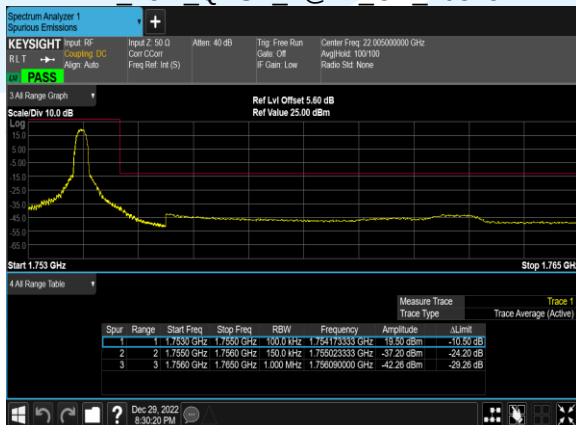
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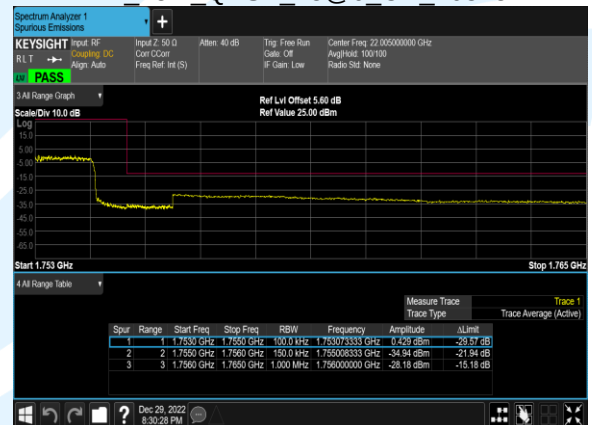
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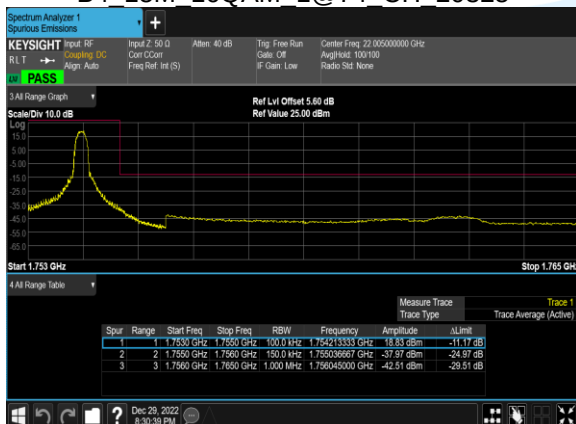
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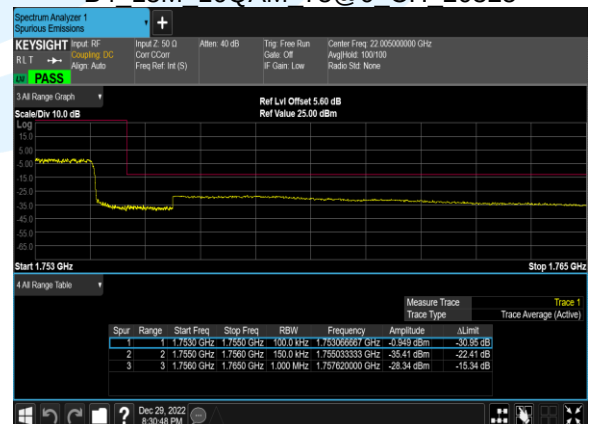
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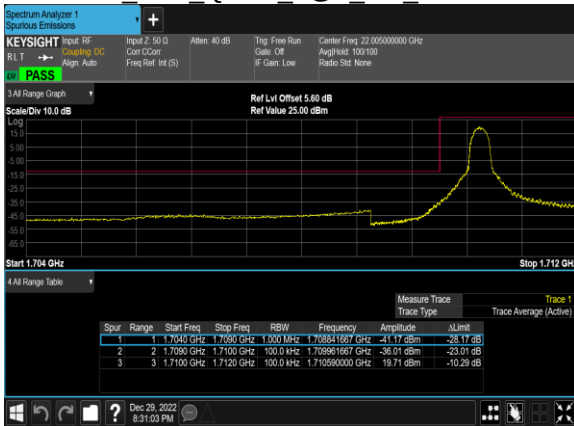
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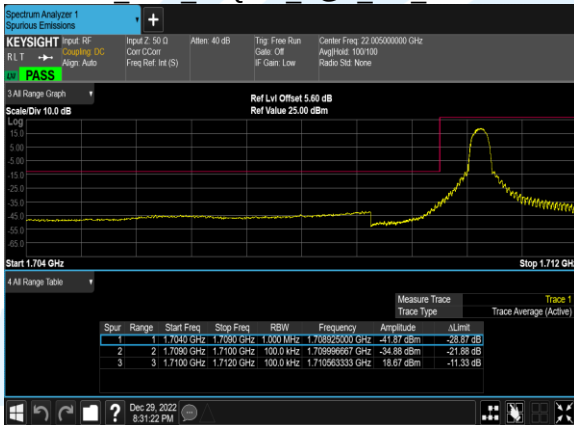
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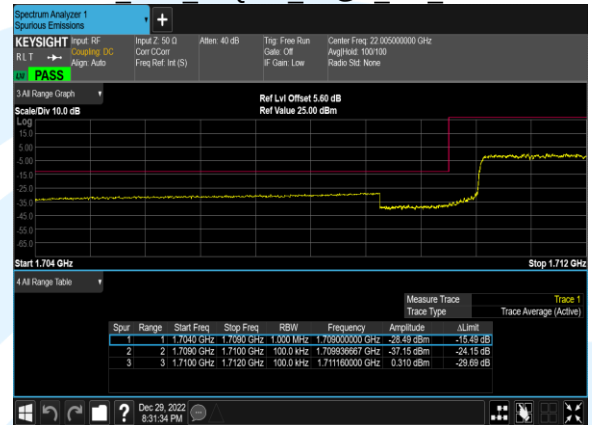
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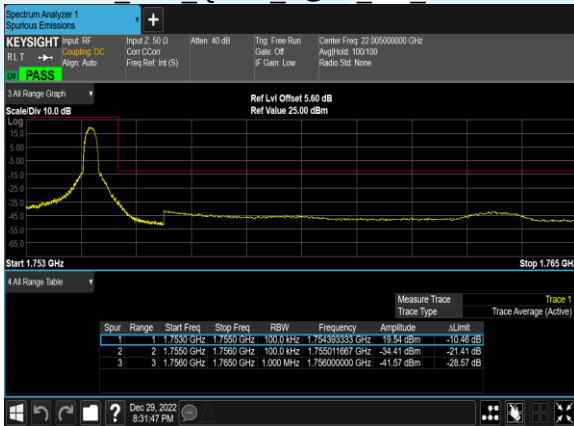
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B4 10M 16QAM 50@0 CH 20000



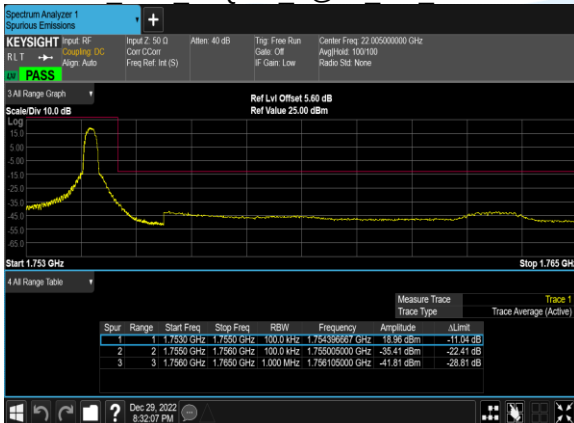
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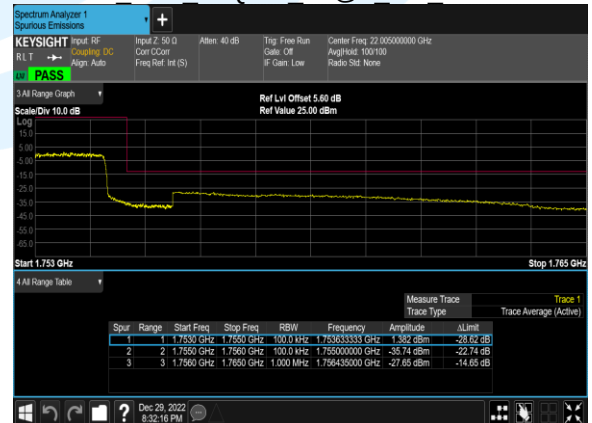
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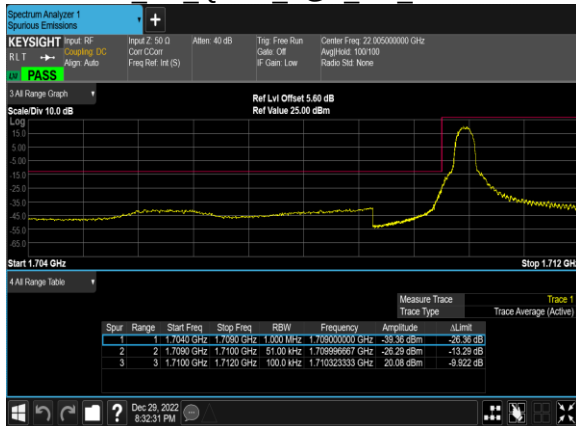
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B4 10M 16QAM 50@0 CH 20350



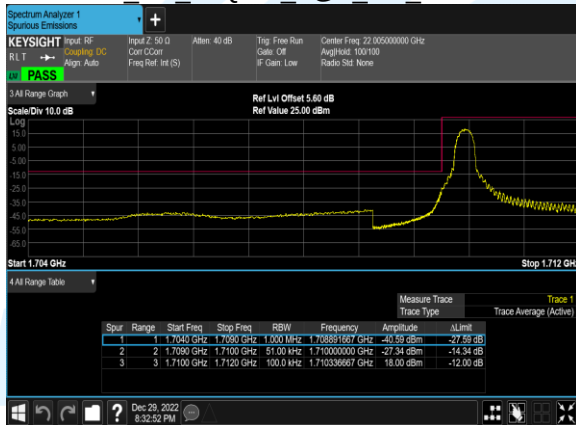
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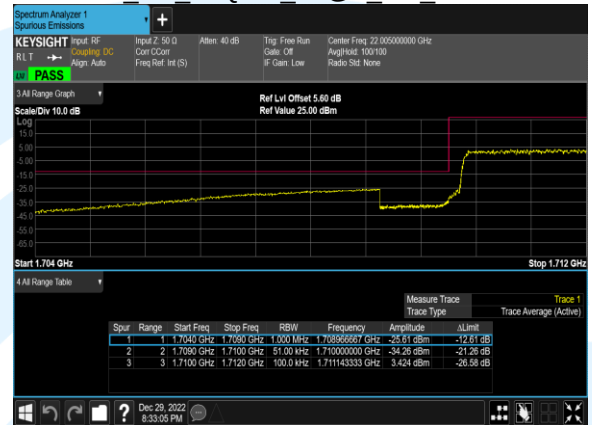
B4 5M QPSK 25@0 CH 19975



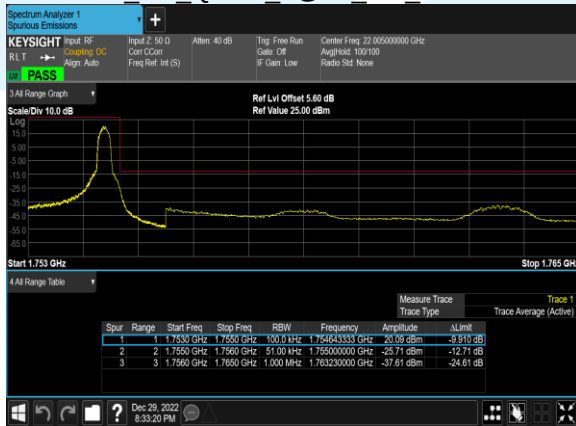
B4 5M 16QAM 1@0 CH 19975



B4 5M 16QAM 25@0 CH 19975



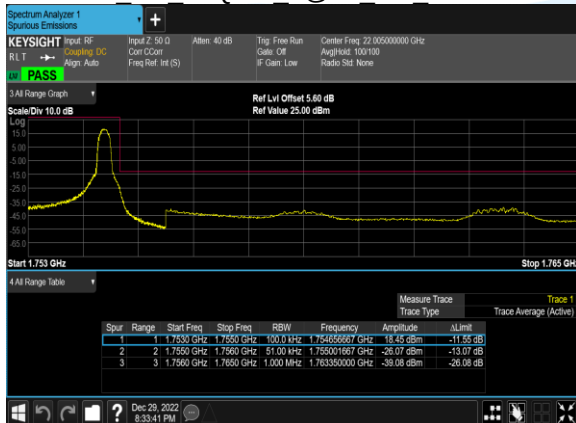
B4 5M QPSK 1@24 CH 20375



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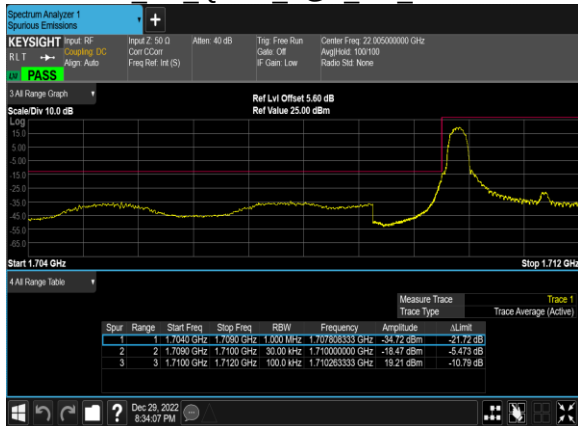
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B4 5M 16QAM 25@0 CH 20375



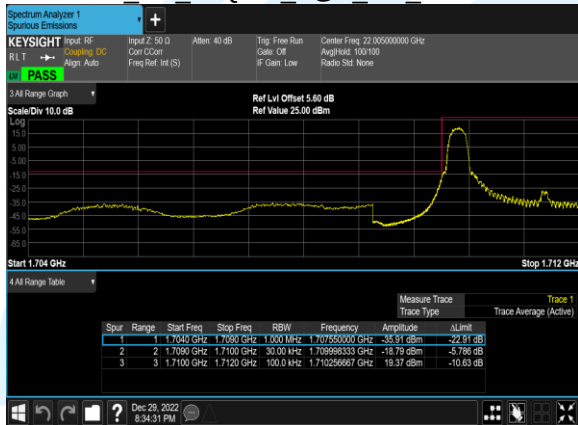
B4 3M QPSK 1@0 CH 19965



B4 3M QPSK 15@0 CH 19965



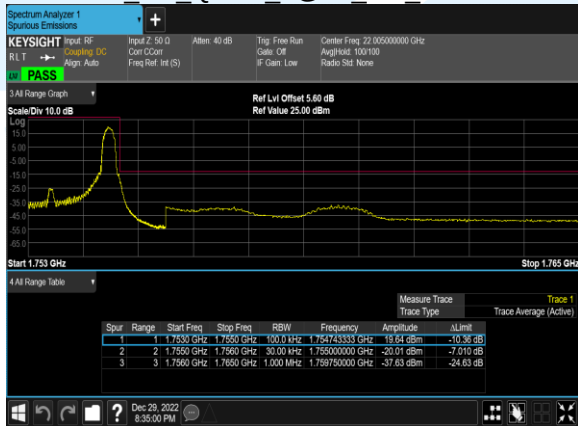
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B4 3M 16QAM 15@0 CH 19965



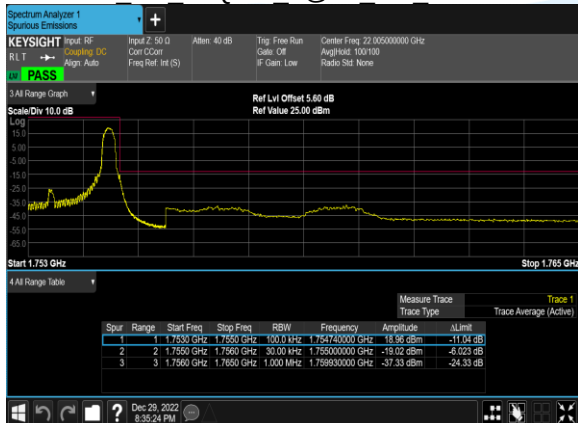
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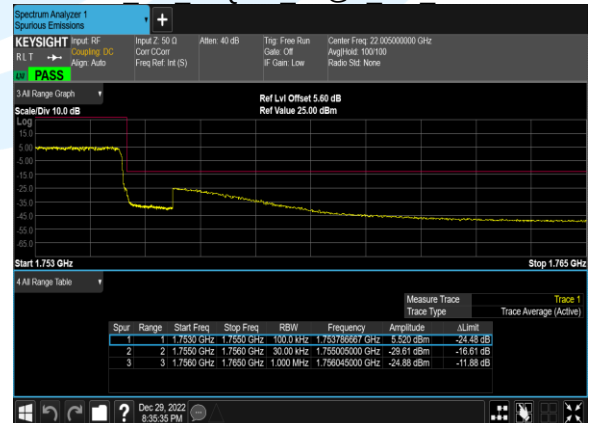
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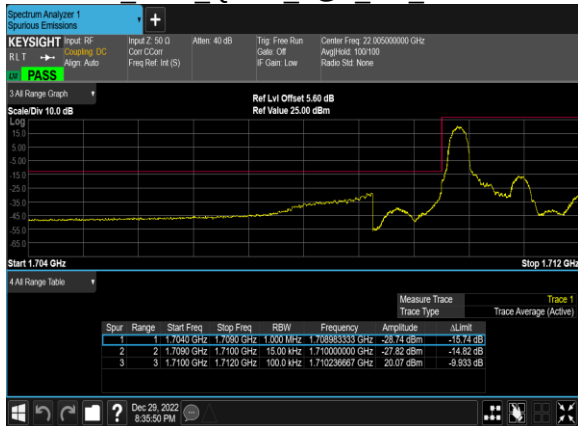
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B4 3M 16QAM 15@0 CH 20385



B4 1.4M QPSK 1@0 CH 19957



B4 1.4M QPSK 6@0 CH 19957



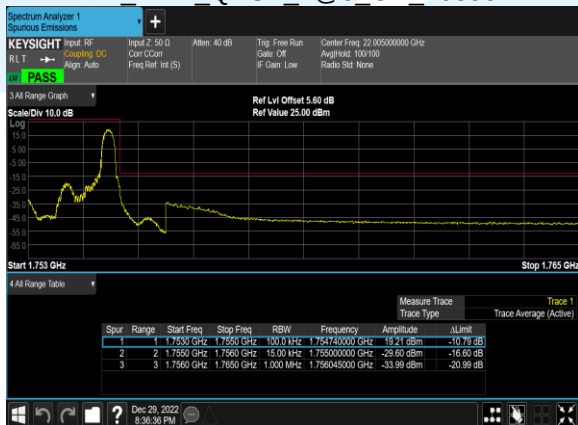
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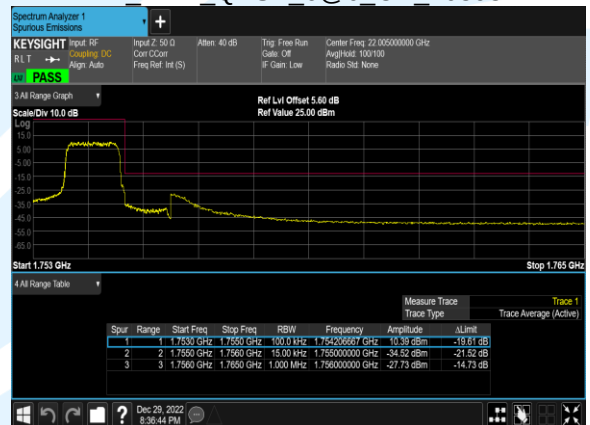
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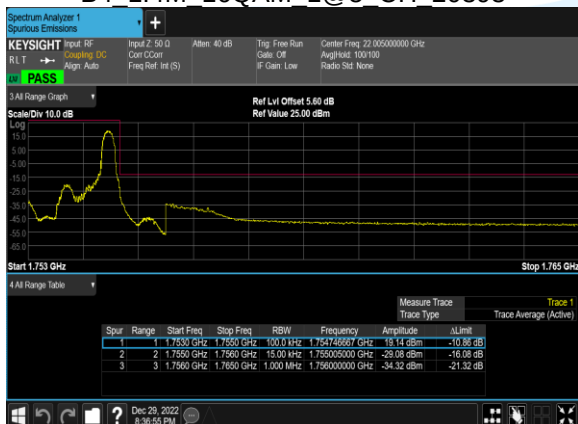
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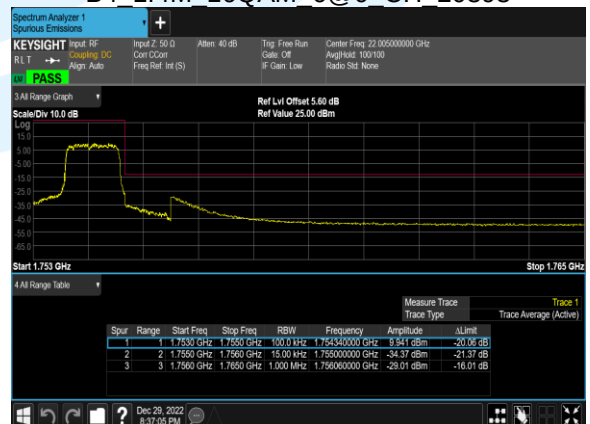
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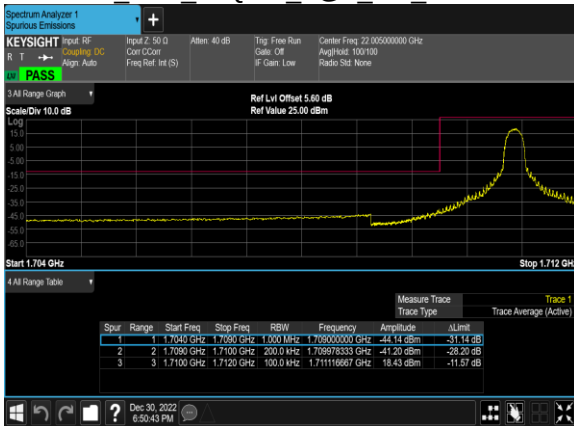
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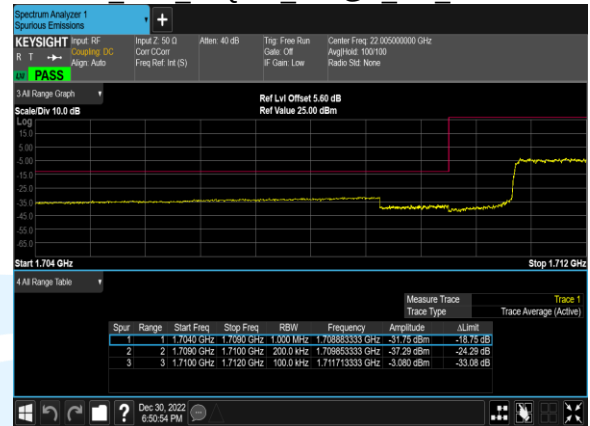
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B4 20M 64QAM 1@0 CH 20050



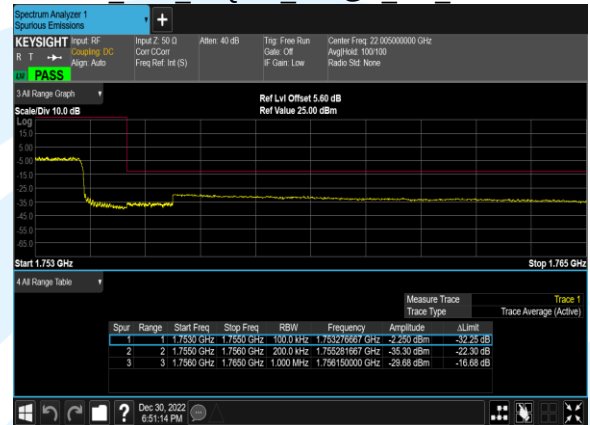
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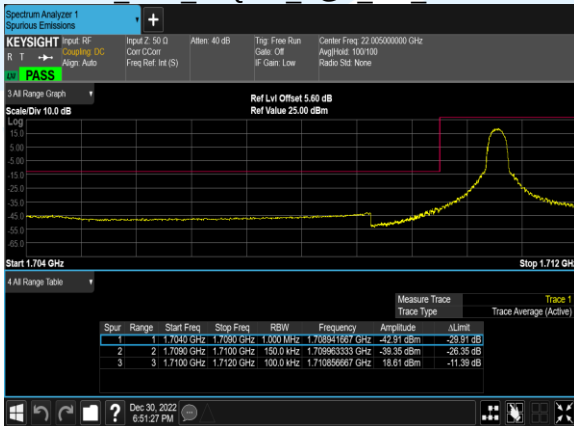
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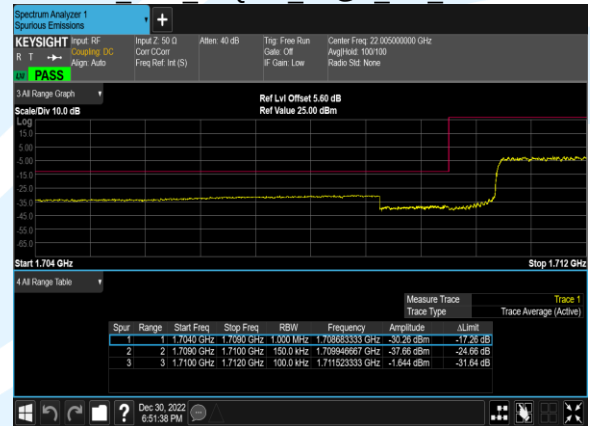
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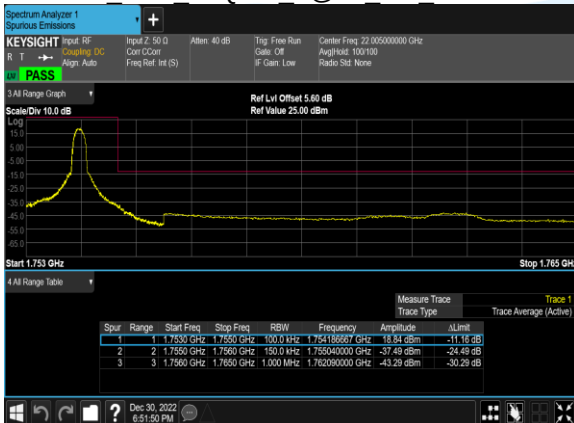
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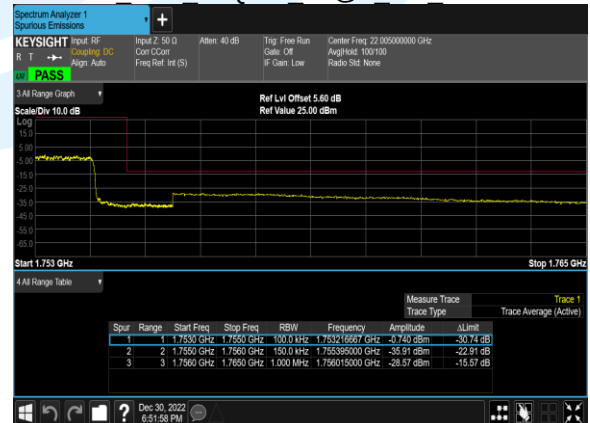
B4 15M 64QAM 75@0 CH 20025



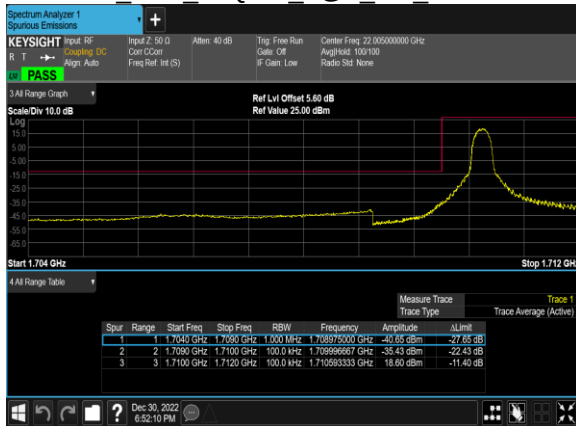
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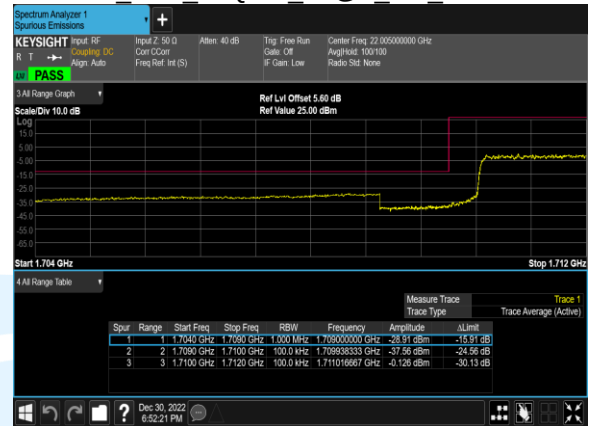
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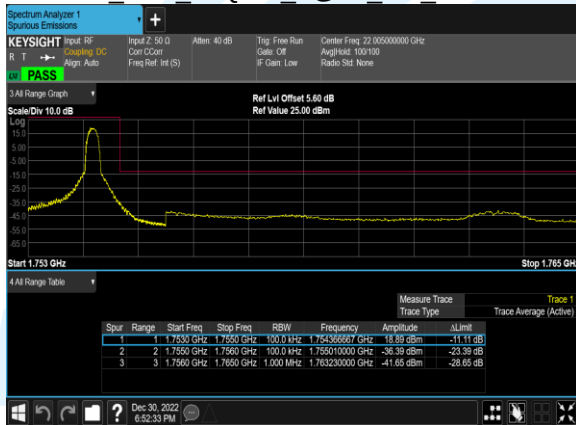
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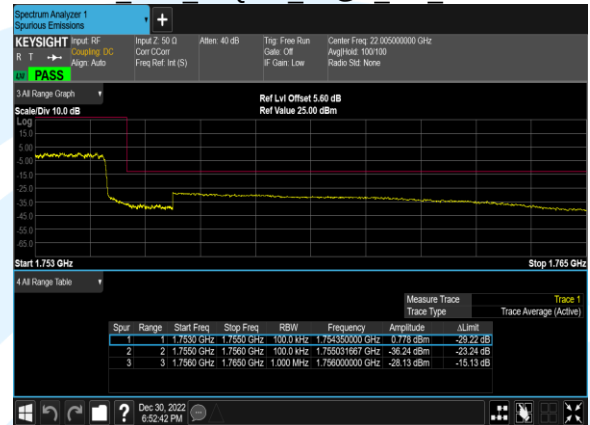
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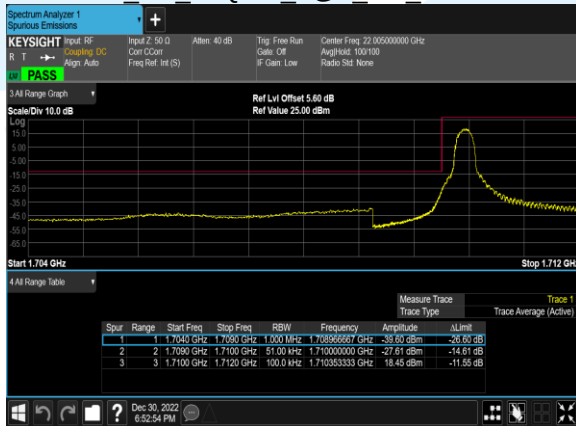
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B4 10M 64QAM 50@0 CH 20350



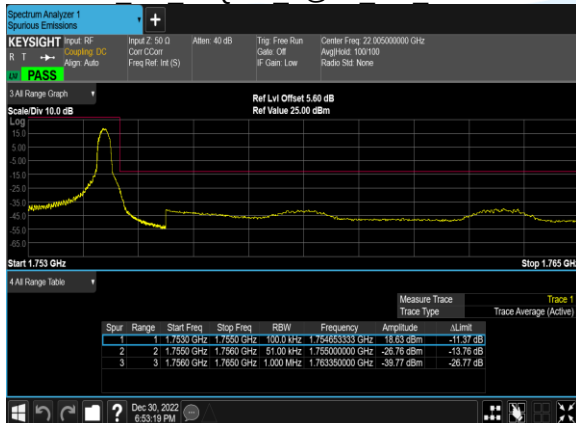
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B4 5M 64QAM 25@0 CH 19975



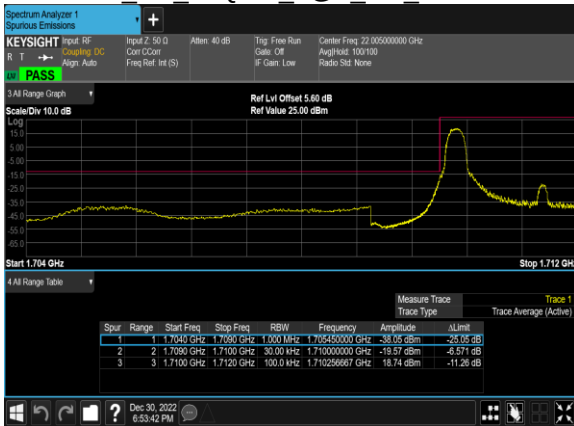
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B4 5M 64QAM 25@0 CH 20375



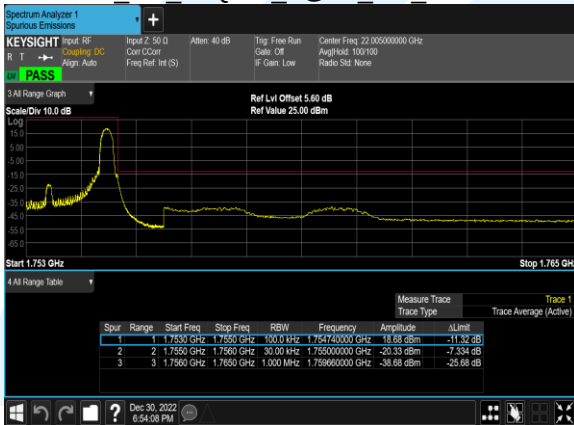
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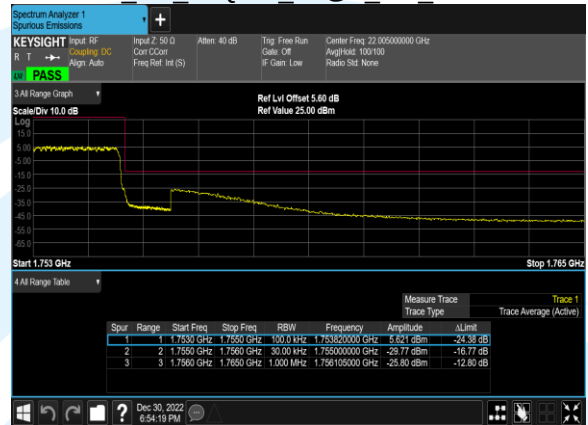
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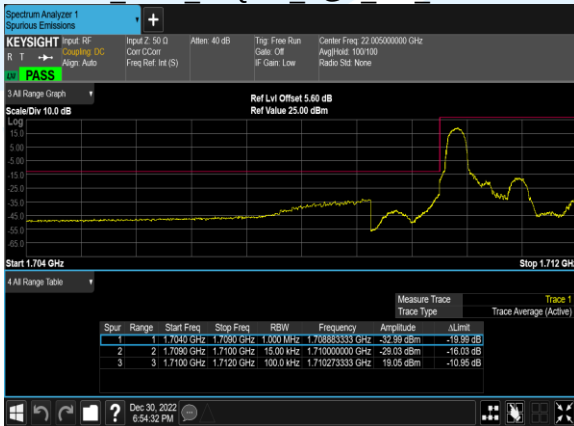
B4 3M 64QAM 1@14 CH 20385



B4 3M 64QAM 15@0 CH 20385



B4 1.4M 64QAM 1@0 CH 19957



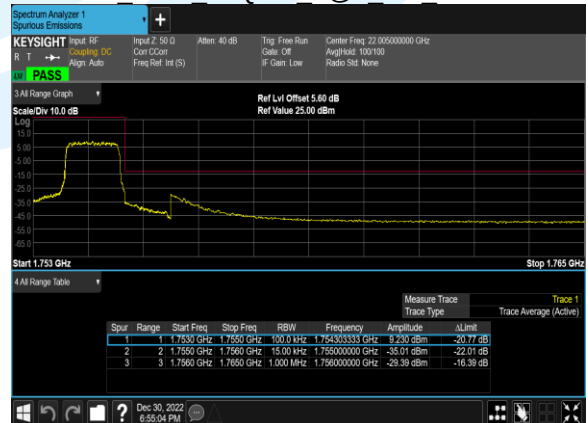
B4 1.4M 64QAM 6@0 CH 19957



B4 1.4M 64QAM 1@5 CH 20393



B4 1.4M 64QAM 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	5.36	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.13	13	PASS
5	10.0	20450	829.0	64QAM	50@0	6.13	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.65	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.31	13	PASS
5	10.0	20525	836.5	64QAM	50@0	6.33	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.45	13	PASS
5	10.0	20600	844.0	16QAM	50@0	6.12	13	PASS
5	10.0	20600	844.0	64QAM	50@0	6.10	13	PASS

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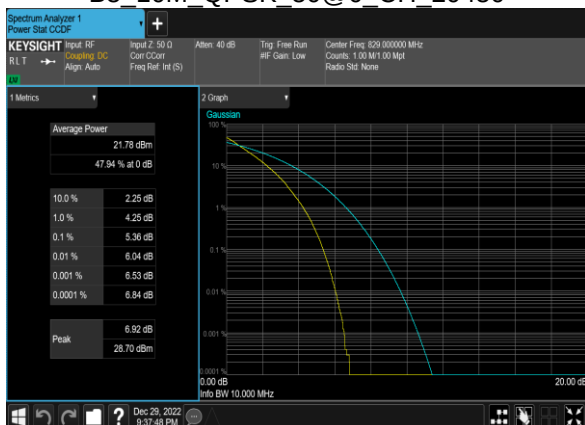
Tel: +86-755-28230888

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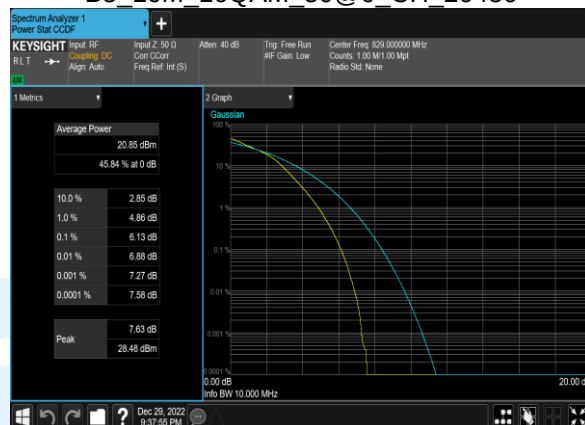
E-mail: info@uttlab.com
<http://www.uttlab.com>

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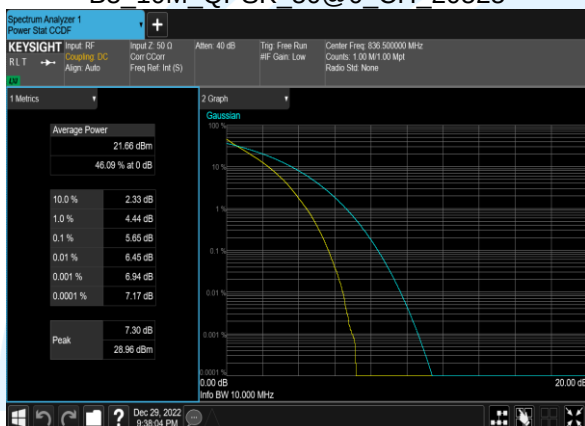
B5 10M QPSK 50@0 CH 20450



B5 10M 16QAM 50@0 CH 20450



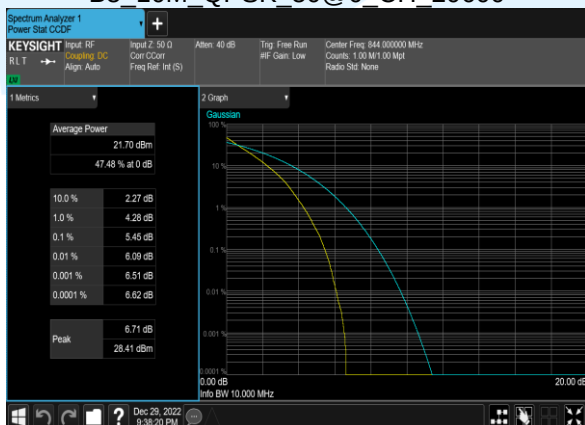
B5 10M QPSK 50@0 CH 20525



B5 10M 16QAM 50@0 CH 20525



B5 10M QPSK 50@0 CH 20600



B5 10M 16QAM 50@0 CH 20600



B5 10M 64QAM 50@0 CH 20450



B5 10M 64QAM 50@0 CH 20525



B5 10M 64QAM 50@0 CH 20600



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	9.541
5	10.0	20450	829.0	16QAM	50@0	8.9154	9.662
5	10.0	20450	829.0	64QAM	50@0	8.9172	9.572
5	10.0	20525	836.5	QPSK	50@0	8.9402	9.584
5	10.0	20525	836.5	16QAM	50@0	8.9589	9.641
5	10.0	20525	836.5	64QAM	50@0	8.9438	9.671
5	10.0	20600	844.0	QPSK	50@0	8.9304	9.599
5	10.0	20600	844.0	16QAM	50@0	8.9458	9.618
5	10.0	20600	844.0	64QAM	50@0	8.9313	9.609
5	5.0	20425	826.5	QPSK	25@0	4.4631	4.832
5	5.0	20425	826.5	16QAM	25@0	4.4546	4.870
5	5.0	20425	826.5	64QAM	25@0	4.4597	4.868
5	5.0	20525	836.5	QPSK	25@0	4.4713	4.883
5	5.0	20525	836.5	16QAM	25@0	4.4553	4.849
5	5.0	20525	836.5	64QAM	25@0	4.4679	4.882
5	5.0	20625	846.5	QPSK	25@0	4.4510	4.836
5	5.0	20625	846.5	16QAM	25@0	4.4555	4.828
5	5.0	20625	846.5	64QAM	25@0	4.4554	4.844
5	3.0	20415	825.5	QPSK	15@0	2.6791	2.930
5	3.0	20415	825.5	16QAM	15@0	2.6794	2.979
5	3.0	20415	825.5	64QAM	15@0	2.6813	2.975
5	3.0	20525	836.5	QPSK	15@0	2.6845	2.976
5	3.0	20525	836.5	16QAM	15@0	2.6834	2.959
5	3.0	20525	836.5	64QAM	15@0	2.6859	2.984
5	3.0	20635	847.5	QPSK	15@0	2.6894	2.952
5	3.0	20635	847.5	16QAM	15@0	2.6843	2.978
5	3.0	20635	847.5	64QAM	15@0	2.6821	2.985
5	1.4	20407	824.7	QPSK	6@0	1.0772	1.215
5	1.4	20407	824.7	16QAM	6@0	1.0789	1.215
5	1.4	20407	824.7	64QAM	6@0	1.0842	1.218
5	1.4	20525	836.5	QPSK	6@0	1.0801	1.217
5	1.4	20525	836.5	16QAM	6@0	1.0741	1.220
5	1.4	20525	836.5	64QAM	6@0	1.0771	1.215
5	1.4	20643	848.3	QPSK	6@0	1.0807	1.217
5	1.4	20643	848.3	16QAM	6@0	1.0805	1.224
5	1.4	20643	848.3	64QAM	6@0	1.0799	1.221