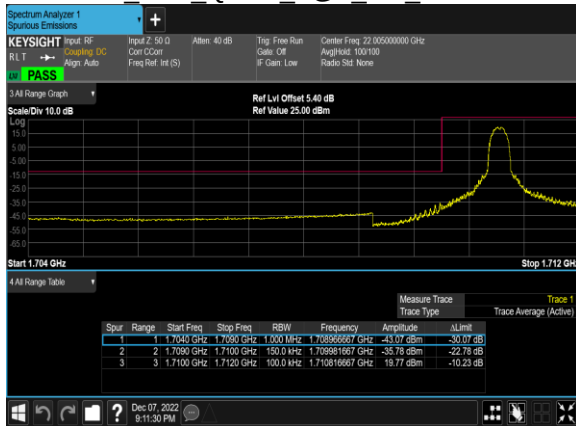
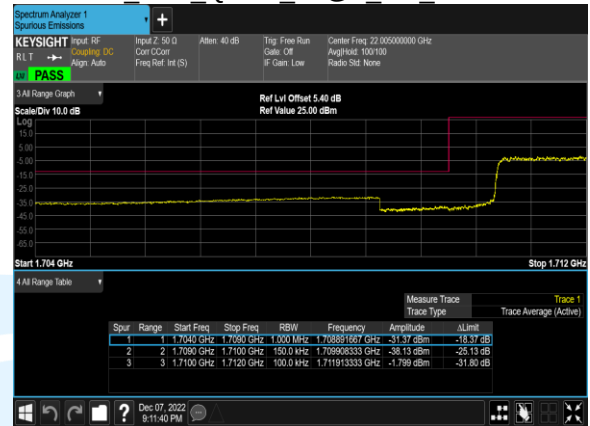


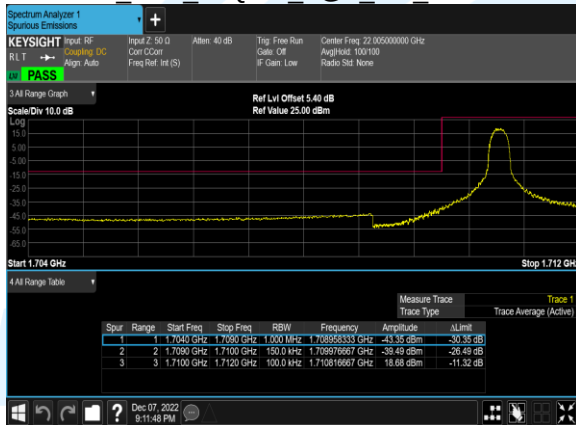
B4 15M QPSK 1@0 CH 20025



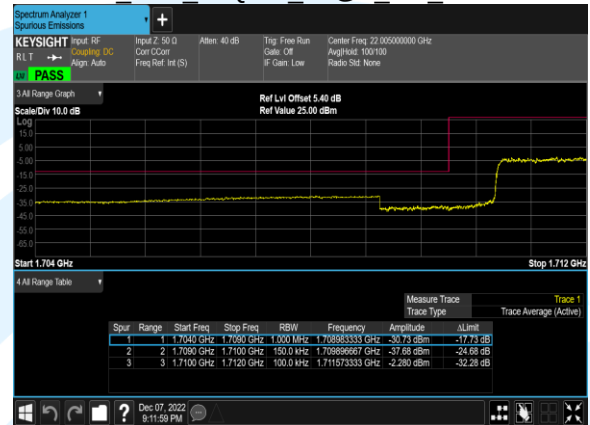
B4 15M QPSK 75@0 CH 20025



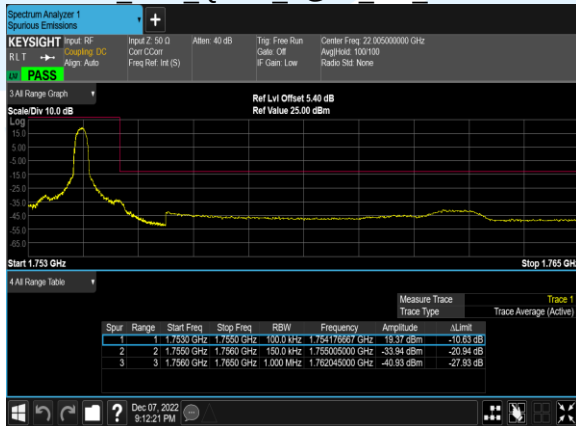
B4 15M 16QAM 1@0 CH 20025



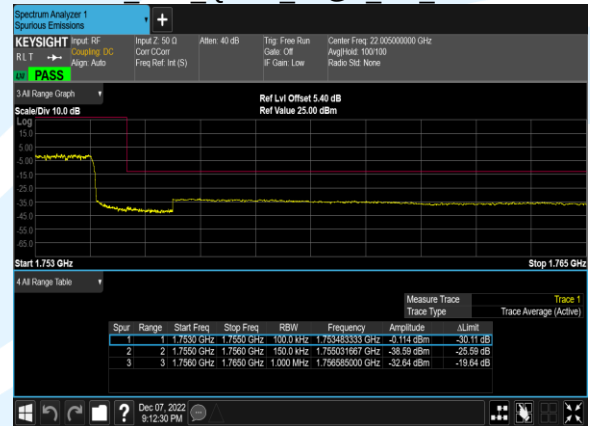
B4 15M 16QAM 75@0 CH 20025



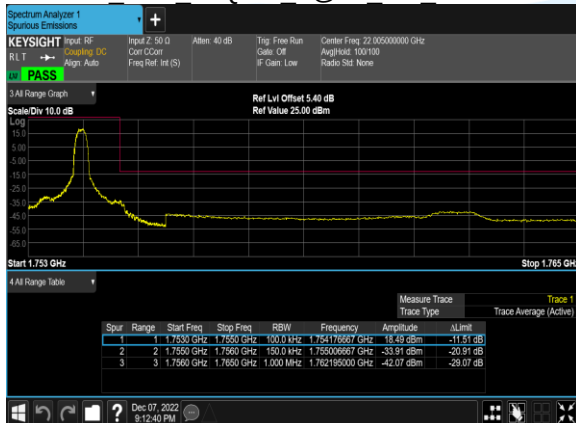
B4 15M QPSK 1@74 CH 20325



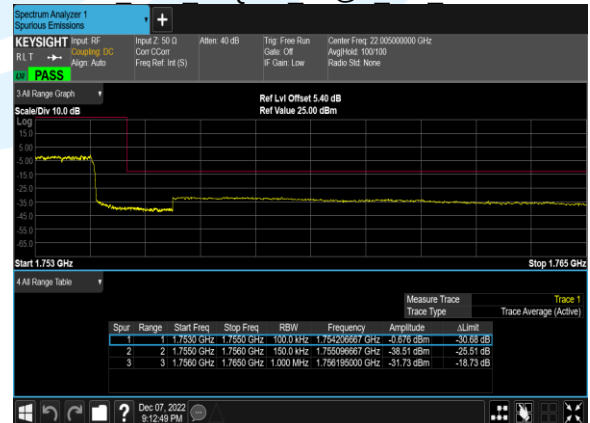
B4 15M QPSK 75@0 CH 20325



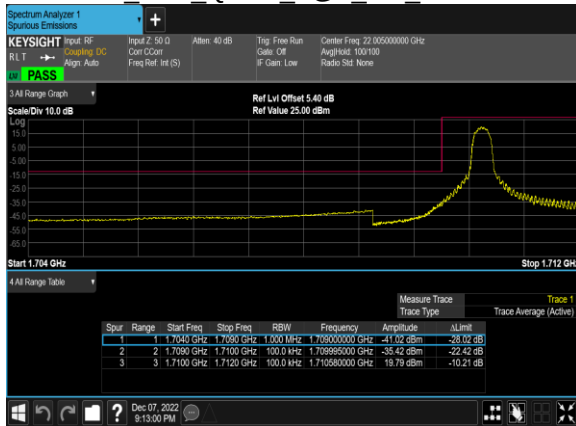
B4 15M 16QAM 1@74 CH 20325



B4 15M 16QAM 75@0 CH 20325



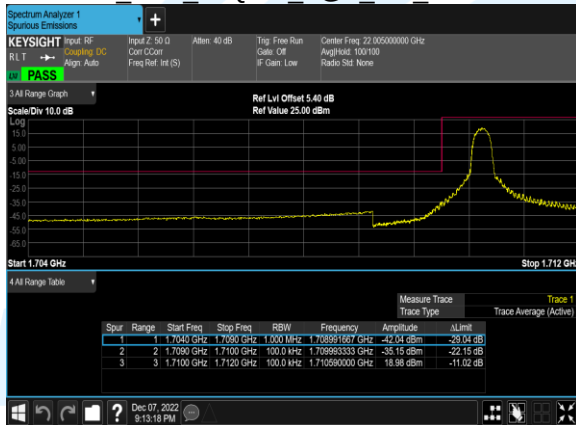
B4 10M QPSK 1@0 CH 20000



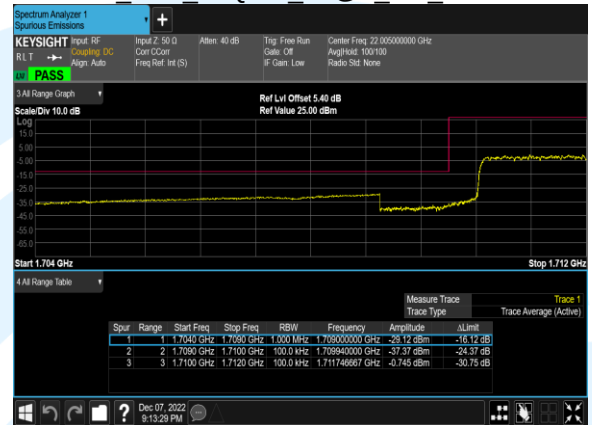
B4 10M QPSK 50@0 CH 20000



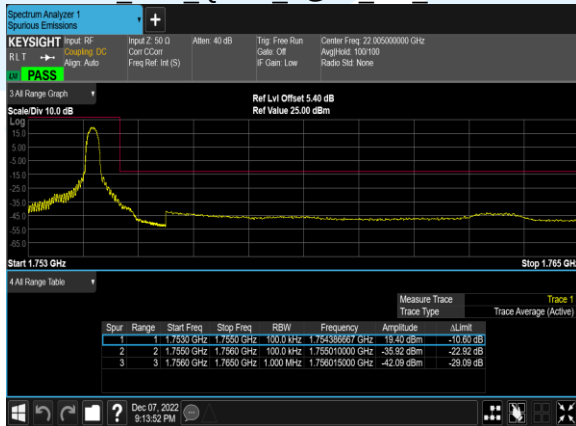
B4 10M 16QAM 1@0 CH 20000



B4 10M 16QAM 50@0 CH 20000



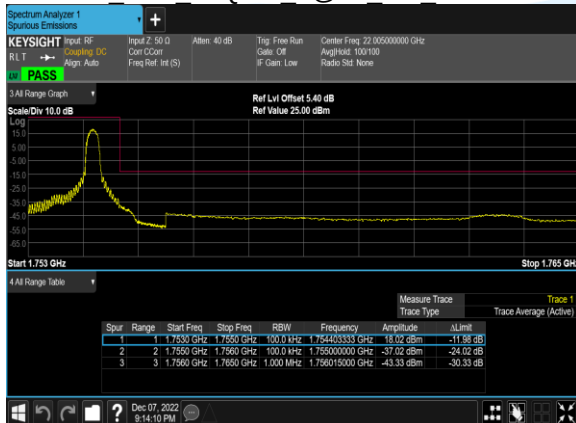
B4 10M QPSK 1@49 CH 20350



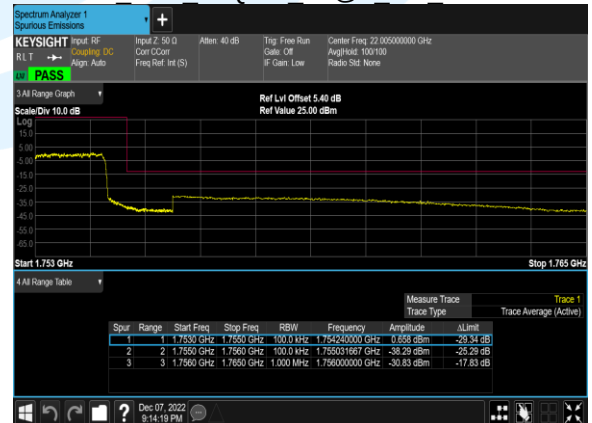
B4 10M QPSK 50@0 CH 20350



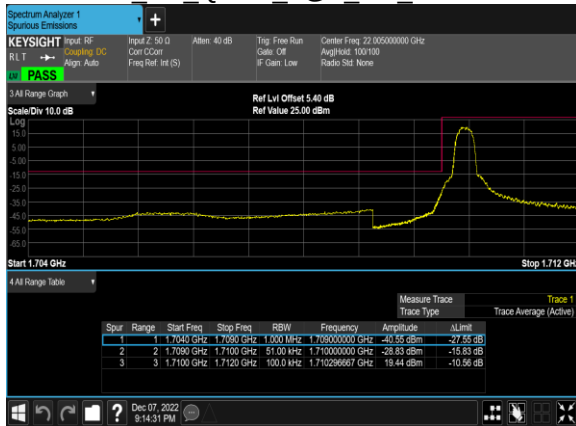
B4 10M 16QAM 1@49 CH 20350



B4 10M 16QAM 50@0 CH 20350



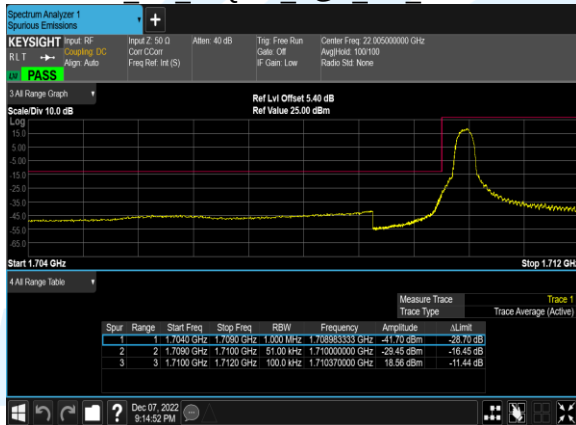
B4 5M QPSK 1@0 CH 19975



B4 5M QPSK 25@0 CH 19975



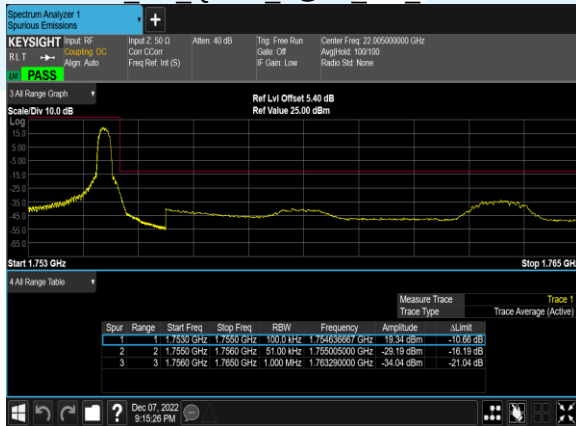
B4 5M 16QAM 1@0 CH 19975



B4 5M 16QAM 25@0 CH 19975



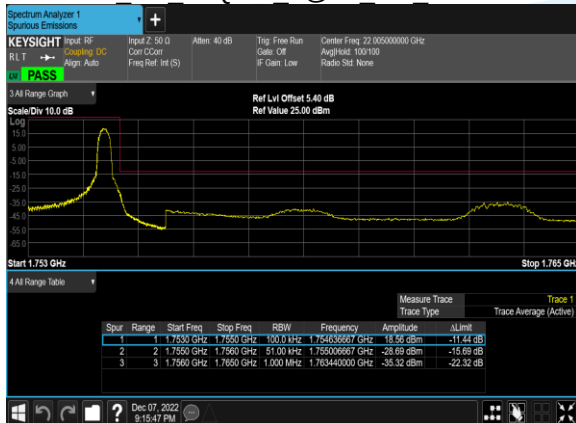
B4 5M QPSK 1@24 CH 20375



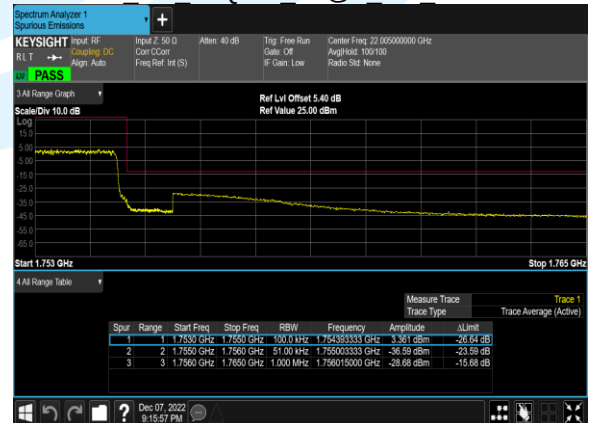
B4 5M QPSK 25@0 CH 20375



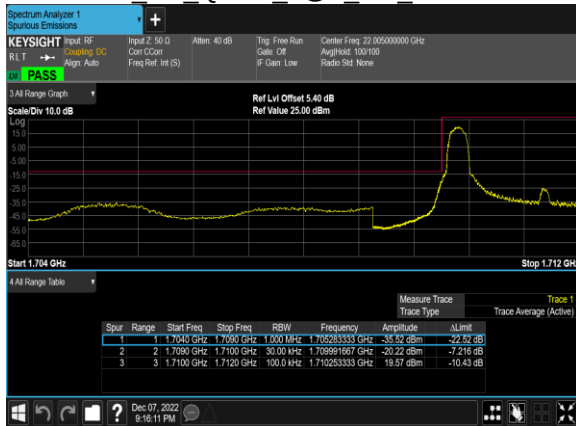
B4 5M 16QAM 1@24 CH 20375



B4 5M 16QAM 25@0 CH 20375



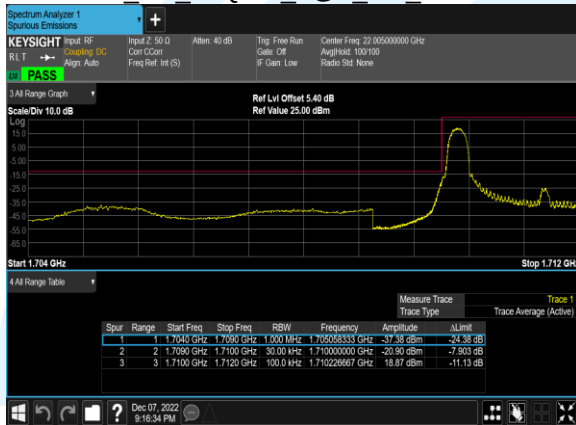
B4 3M QPSK 1@0 CH 19965



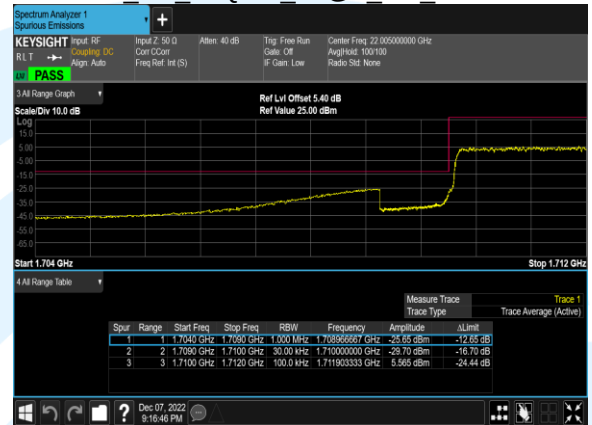
B4 3M QPSK 15@0 CH 19965



B4 3M 16QAM 1@0 CH 19965



B4 3M 16QAM 15@0 CH 19965



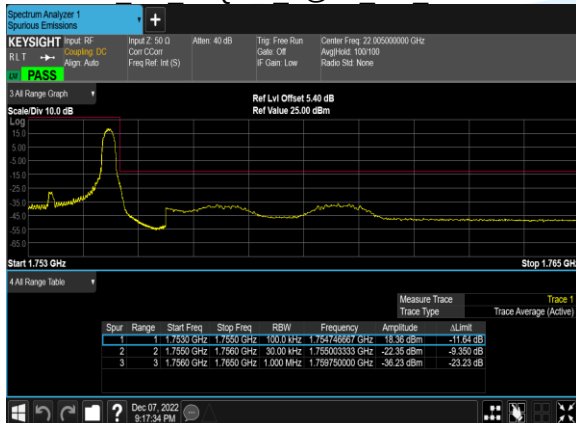
B4 3M QPSK 1@14 CH 20385



B4 3M QPSK 15@0 CH 20385



B4 3M 16QAM 1@14 CH 20385



B4 3M 16QAM 15@0 CH 20385



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



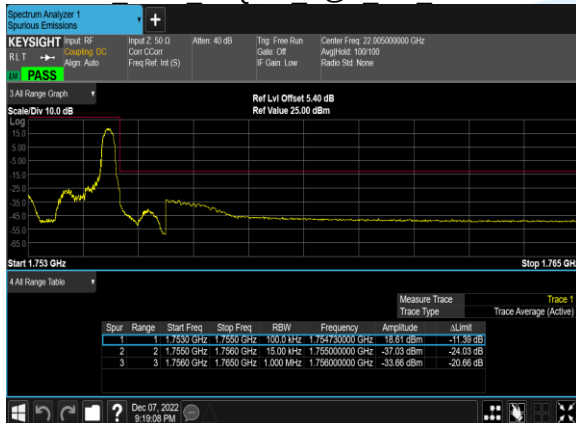
B4 1.4M QPSK 1@5 CH 20393



B4 1.4M QPSK 6@0 CH 20393



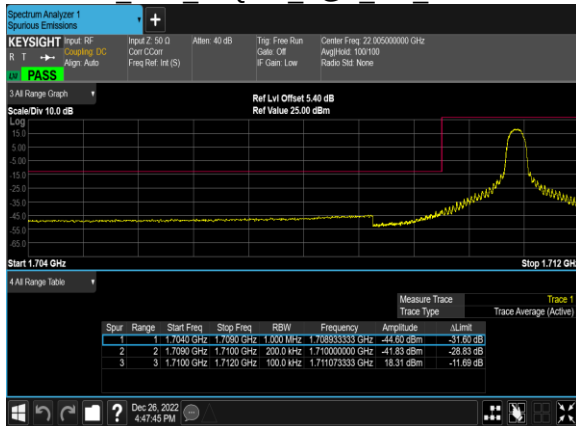
B4 1.4M 16QAM 1@5 CH 20393



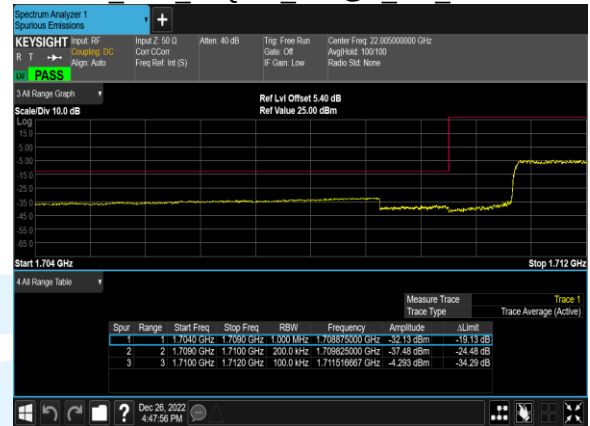
B4 1.4M 16QAM 6@0 CH 20393



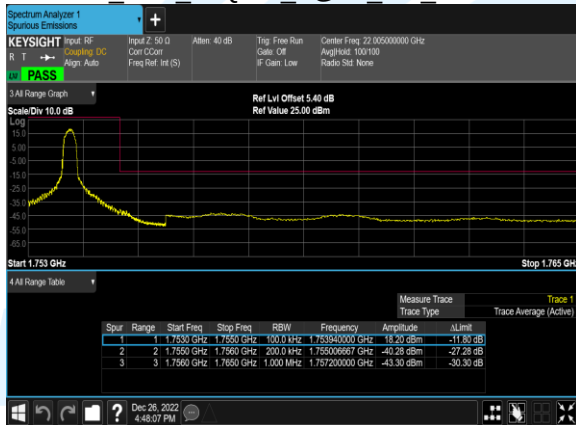
B4 20M 64QAM 1@0 CH 20050



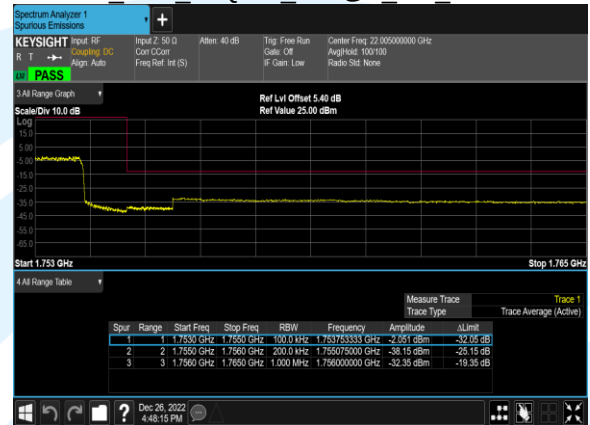
B4 20M 64QAM 100@0 CH 20050



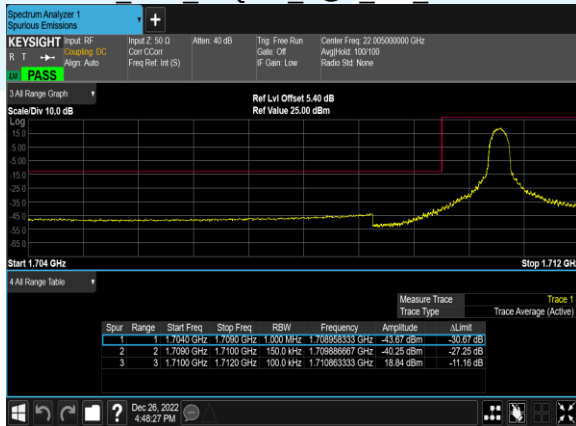
B4 20M 64QAM 1@99 CH 20300



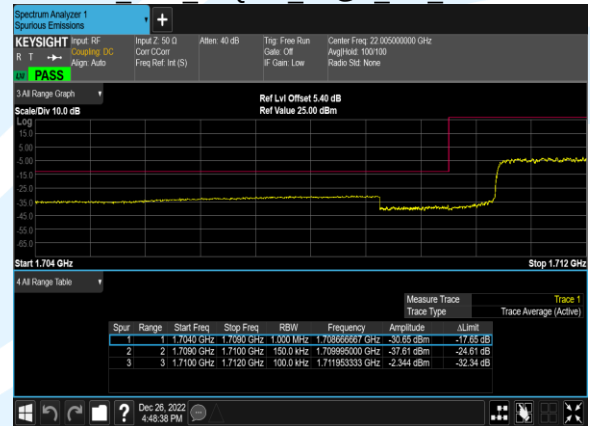
B4 20M 64QAM 100@0 CH 20300



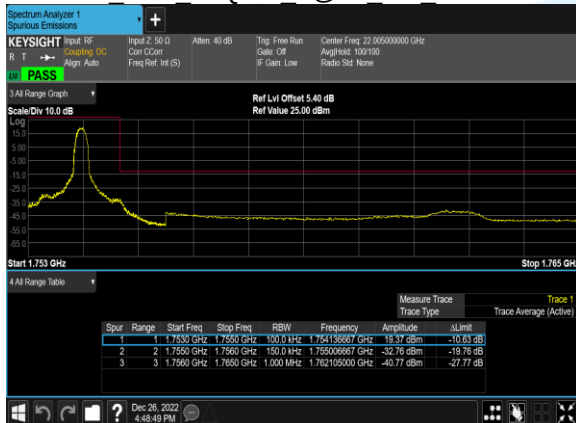
B4 15M 64QAM 1@0 CH 20025



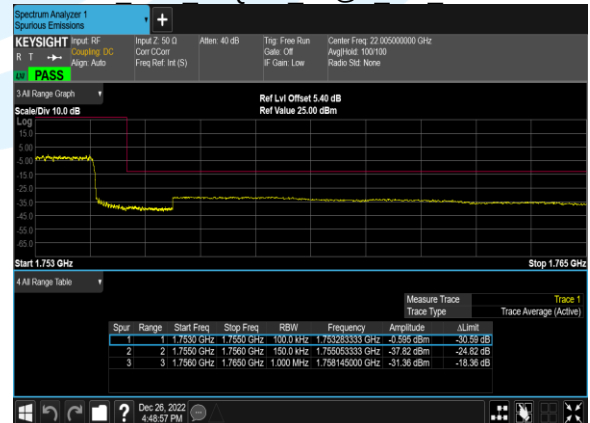
B4 15M 64QAM 75@0 CH 20025



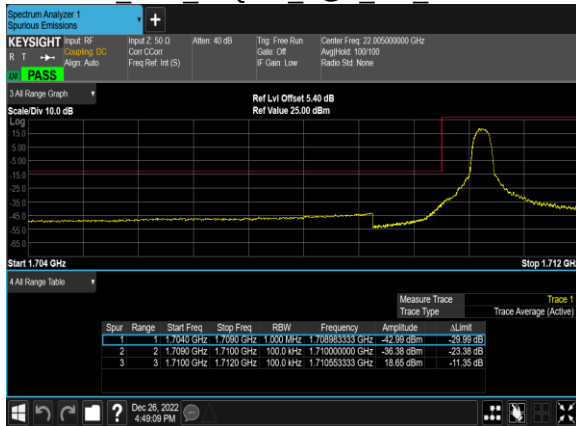
B4 15M 64QAM 1@74 CH 20325



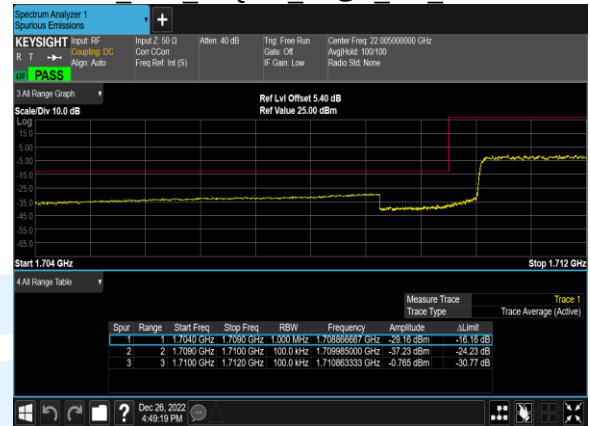
B4 15M 64QAM 75@0 CH 20325



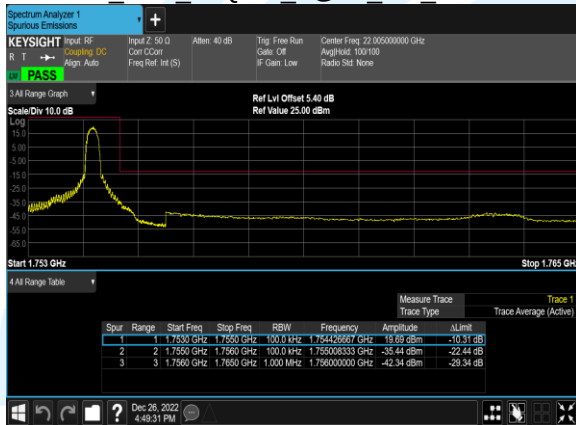
B4 10M 64QAM 1@0 CH 20000



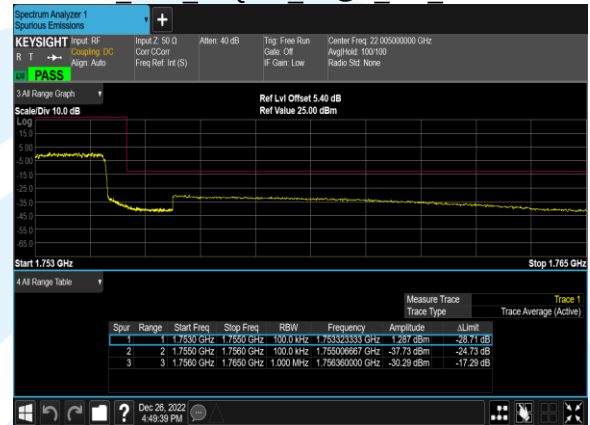
B4 10M 64QAM 50@0 CH 20000



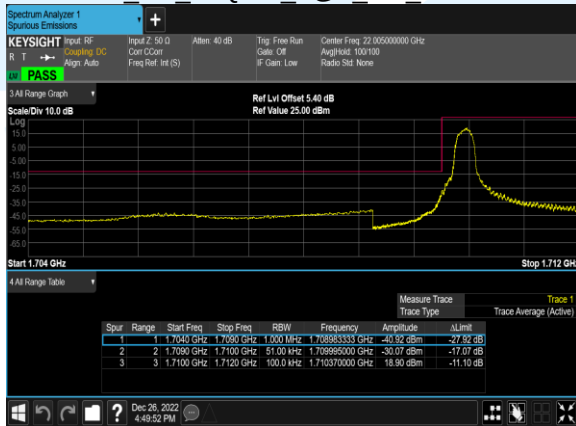
B4 10M 64QAM 1@49 CH 20350



B4 10M 64QAM 50@0 CH 20350



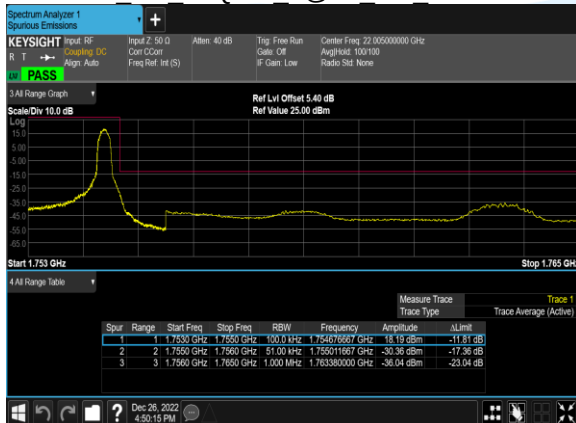
B4 5M 64QAM 1@0 CH 19975



B4 5M 64QAM 25@0 CH 19975



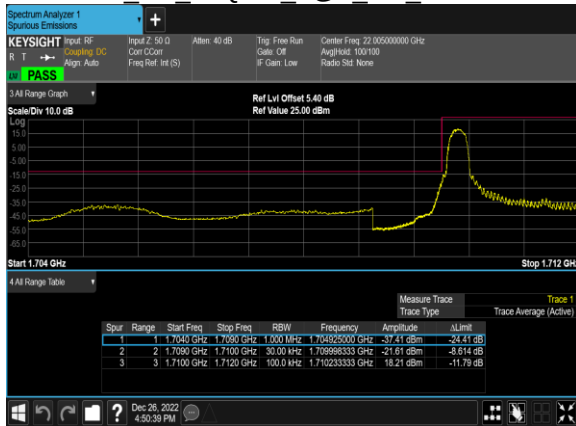
B4 5M 64QAM 1@24 CH 20375



B4 5M 64QAM 25@0 CH 20375



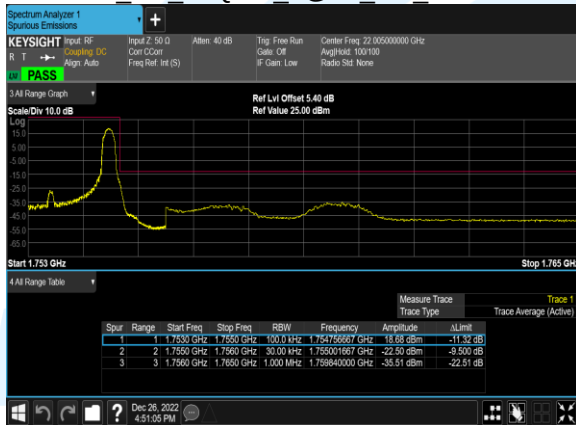
B4 3M 64QAM 1@0 CH 19965



B4 3M 64QAM 15@0 CH 19965



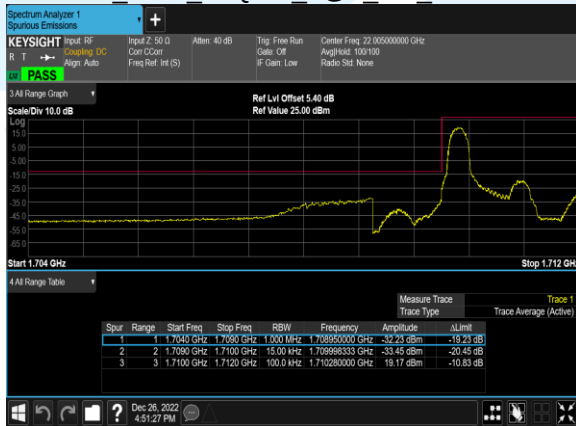
B4 3M 64QAM 1@14 CH 20385



B4 3M 64QAM 15@0 CH 20385



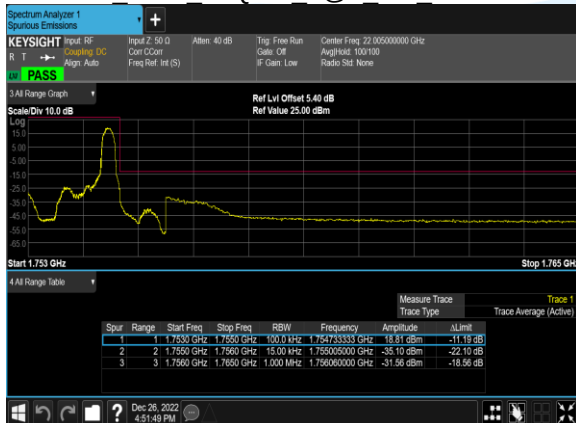
B4 1.4M 64QAM 1@0 CH 19957



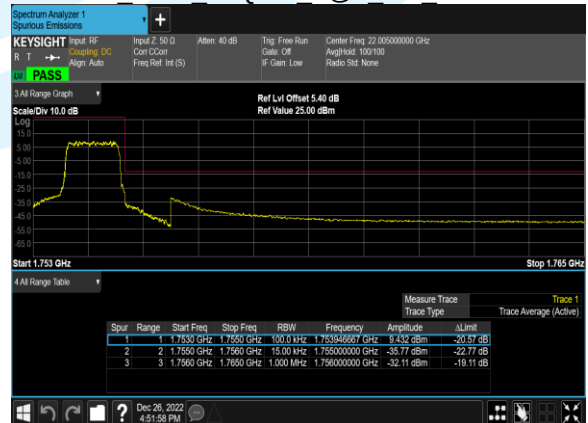
B4 1.4M 64QAM 6@0 CH 19957



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	5.75	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.39	13	PASS
5	10.0	20450	829.0	64QAM	50@0	6.38	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.42	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.14	13	PASS
5	10.0	20525	836.5	64QAM	50@0	6.15	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.73	13	PASS
5	10.0	20600	844.0	16QAM	50@0	6.35	13	PASS
5	10.0	20600	844.0	64QAM	50@0	6.35	13	PASS

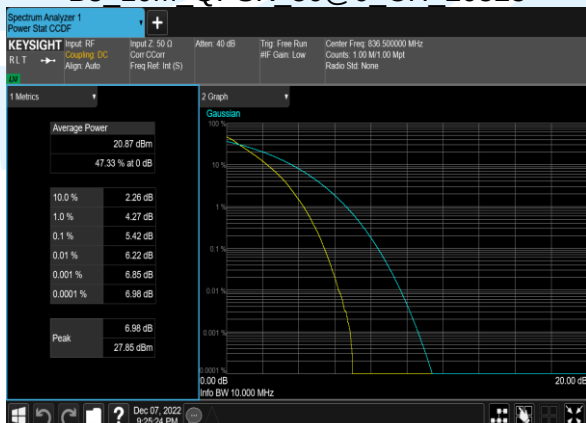
B5 10M QPSK 50@0 CH 20450



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	8.9595	9.709
5	10.0	20450	829.0	16QAM	50@0	8.9507	9.707
5	10.0	20450	829.0	64QAM	50@0	8.9572	9.712
5	10.0	20525	836.5	QPSK	50@0	8.9272	9.543
5	10.0	20525	836.5	16QAM	50@0	8.9122	9.492
5	10.0	20525	836.5	64QAM	50@0	8.9313	9.668
5	10.0	20600	844.0	QPSK	50@0	8.9362	9.662
5	10.0	20600	844.0	16QAM	50@0	8.9545	9.663
5	10.0	20600	844.0	64QAM	50@0	8.9495	9.701
5	5.0	20425	826.5	QPSK	25@0	4.4493	4.875
5	5.0	20425	826.5	16QAM	25@0	4.4623	4.810
5	5.0	20425	826.5	64QAM	25@0	4.4476	4.838
5	5.0	20525	836.5	QPSK	25@0	4.4530	4.878
5	5.0	20525	836.5	16QAM	25@0	4.4553	4.883
5	5.0	20525	836.5	64QAM	25@0	4.4548	4.838
5	5.0	20625	846.5	QPSK	25@0	4.4590	4.878
5	5.0	20625	846.5	16QAM	25@0	4.4517	4.861
5	5.0	20625	846.5	64QAM	25@0	4.4561	4.836
5	3.0	20415	825.5	QPSK	15@0	2.6798	2.970
5	3.0	20415	825.5	16QAM	15@0	2.6790	2.937
5	3.0	20415	825.5	64QAM	15@0	2.6710	2.964
5	3.0	20525	836.5	QPSK	15@0	2.6880	2.990
5	3.0	20525	836.5	16QAM	15@0	2.6777	2.935
5	3.0	20525	836.5	64QAM	15@0	2.6832	2.974
5	3.0	20635	847.5	QPSK	15@0	2.6905	2.986
5	3.0	20635	847.5	16QAM	15@0	2.6869	2.956
5	3.0	20635	847.5	64QAM	15@0	2.6849	2.946
5	1.4	20407	824.7	QPSK	6@0	1.0793	1.219
5	1.4	20407	824.7	16QAM	6@0	1.0797	1.222
5	1.4	20407	824.7	64QAM	6@0	1.0822	1.232
5	1.4	20525	836.5	QPSK	6@0	1.0781	1.215
5	1.4	20525	836.5	16QAM	6@0	1.0768	1.215
5	1.4	20525	836.5	64QAM	6@0	1.0761	1.209
5	1.4	20643	848.3	QPSK	6@0	1.0793	1.218
5	1.4	20643	848.3	16QAM	6@0	1.0776	1.221
5	1.4	20643	848.3	64QAM	6@0	1.0800	1.210

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Tel: +86-755-28230888

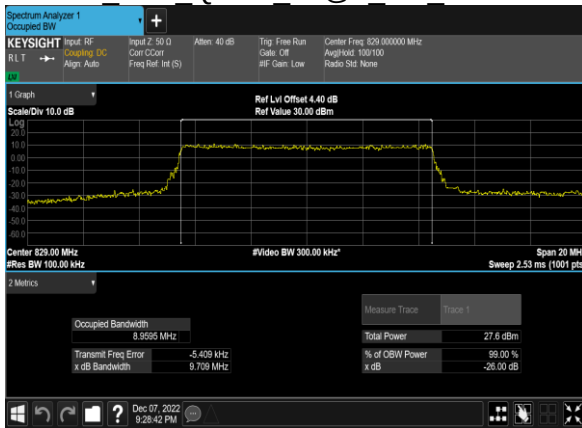
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

B5 10M QPSK 50@0 CH 20450



B5 10M 16QAM 50@0 CH 20450



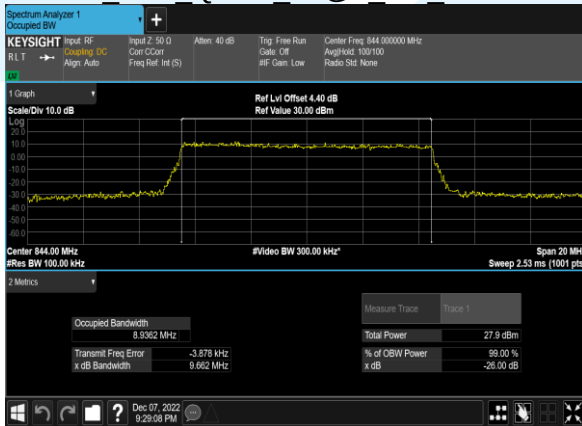
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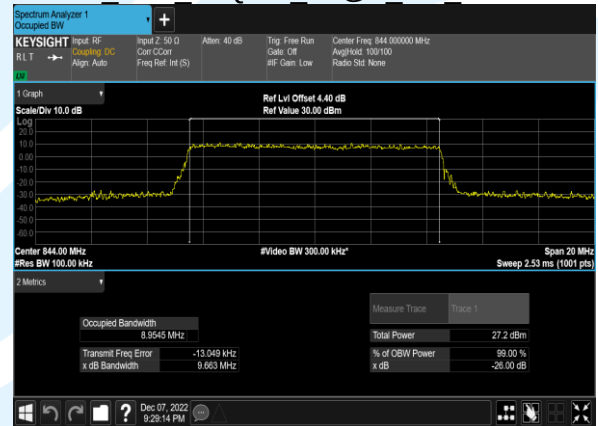
B5 10M 16QAM 50@0 CH 20525



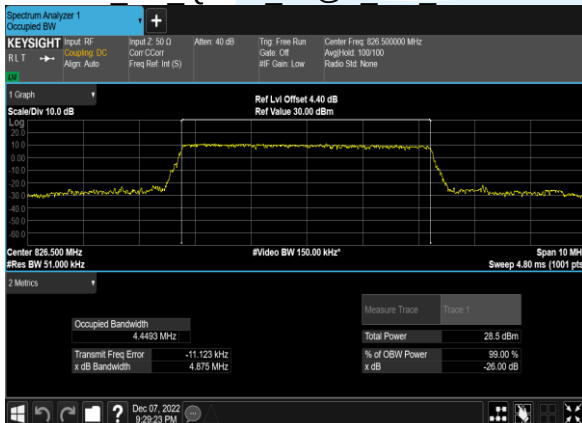
B5 10M QPSK 50@0 CH 20600



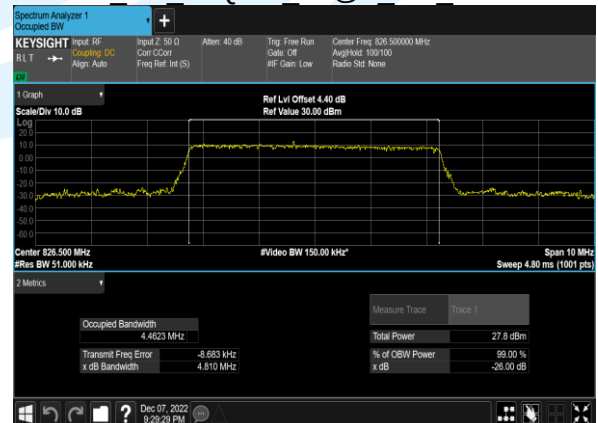
B5 10M 16QAM 50@0 CH 20600



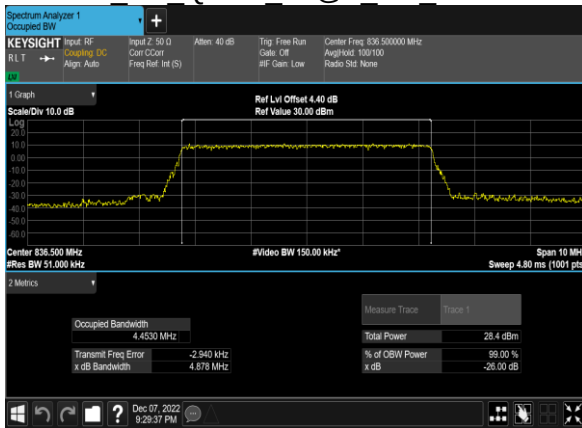
B5 5M QPSK 25@0 CH 20425



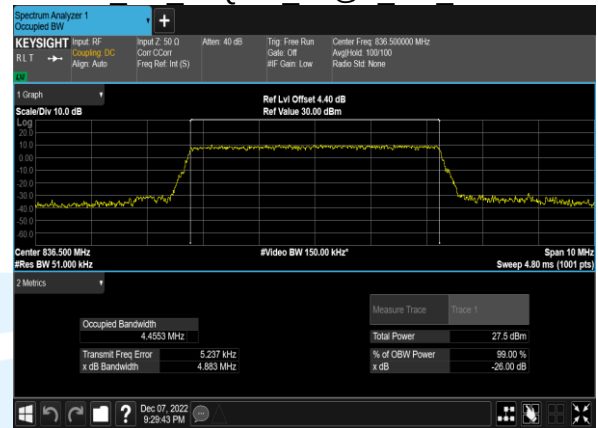
B5 5M 16QAM 25@0 CH 20425



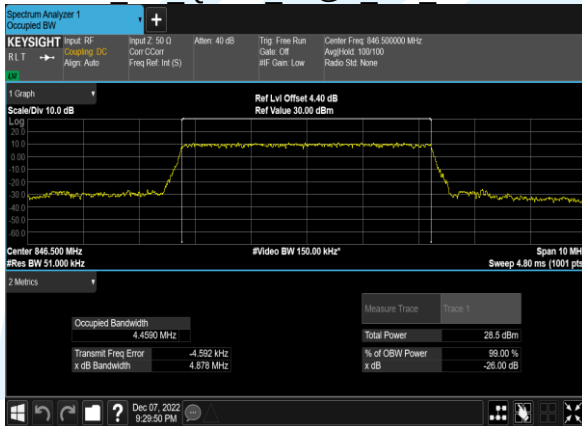
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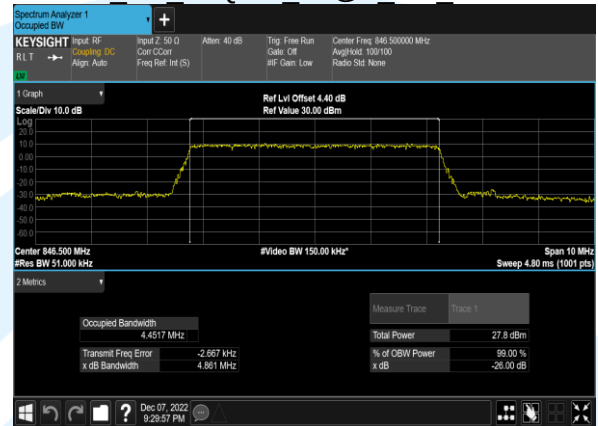
B5_5M_16QAM_25@0_CH_20525



B5_5M_QPSK_25@0_CH_20625



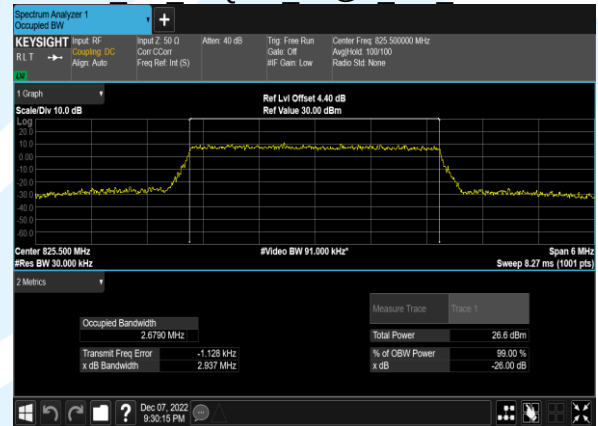
B5_5M_16QAM_25@0_CH_20625



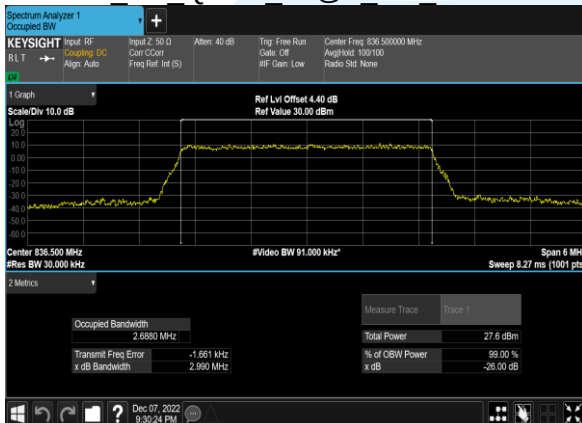
B5_3M_QPSK_15@0_CH_20415



B5_3M_16QAM_15@0_CH_20415



B5_3M_QPSK_15@0_CH_20525



B5_3M_16QAM_15@0_CH_20525

