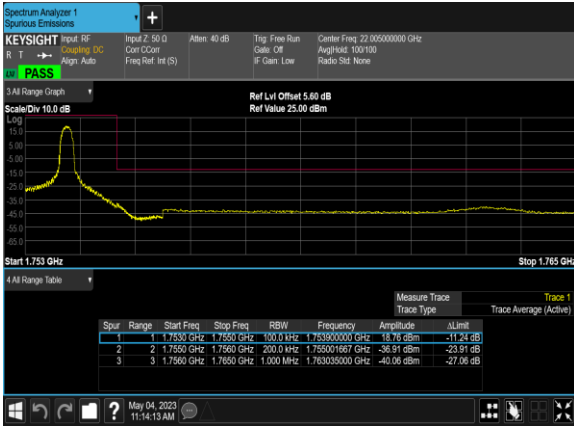
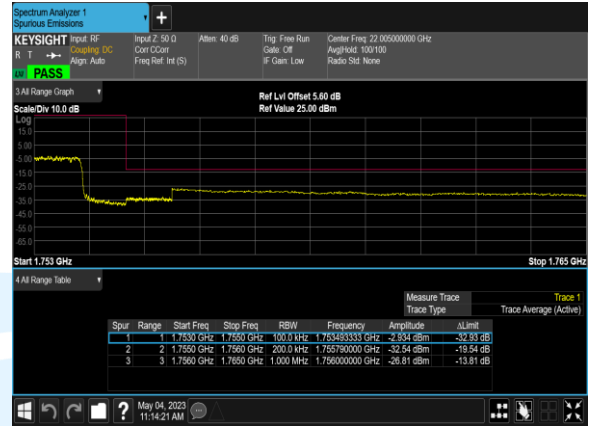


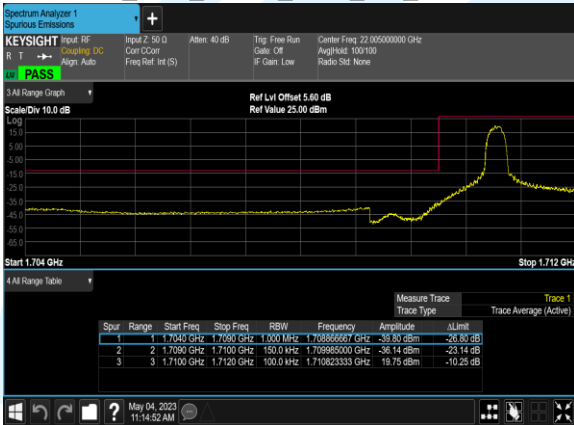
B4_20M_16QAM_1@99_CH_20300



B4_20M_16QAM_100@0_CH_20300



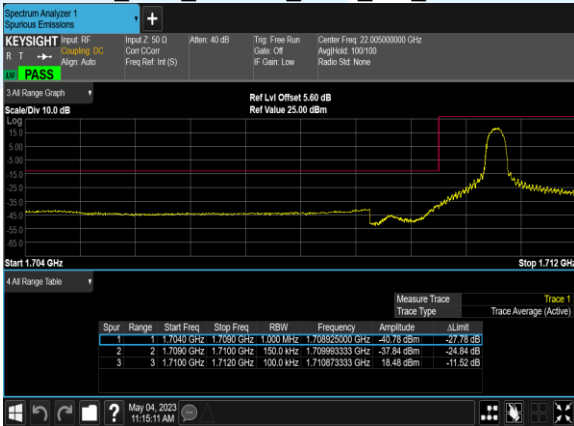
B4_15M_QPSK_1@0_CH_2025



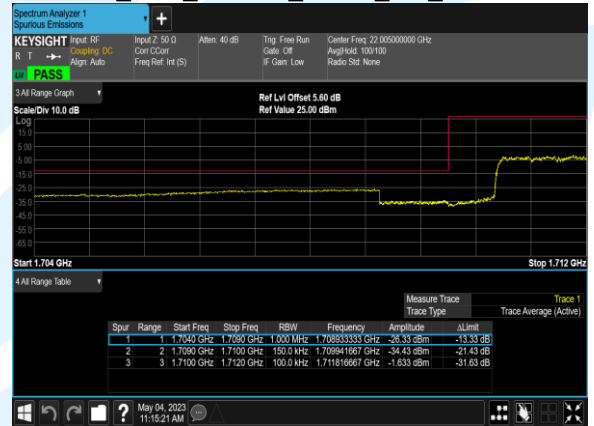
B4_15M_QPSK_75@0_CH_2025



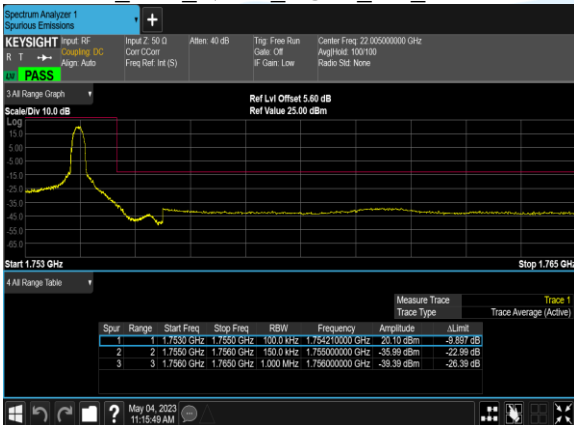
B4_15M_16QAM_1@0_CH_2025



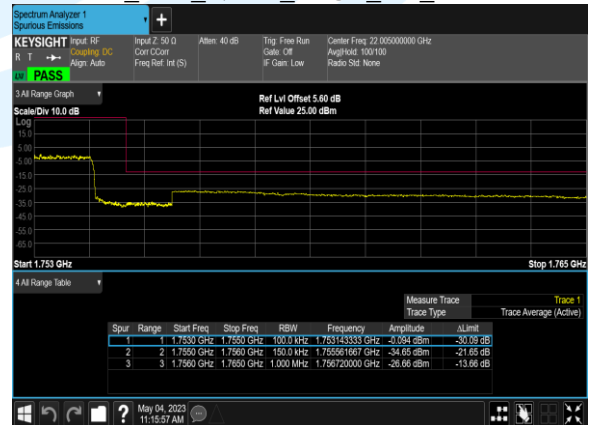
B4_15M_16QAM_75@0_CH_2025



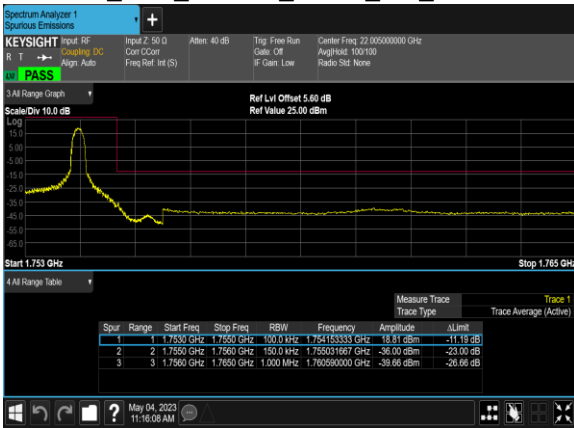
B4_15M_QPSK_1@74_CH_20325



B4_15M_QPSK_75@0_CH_20325



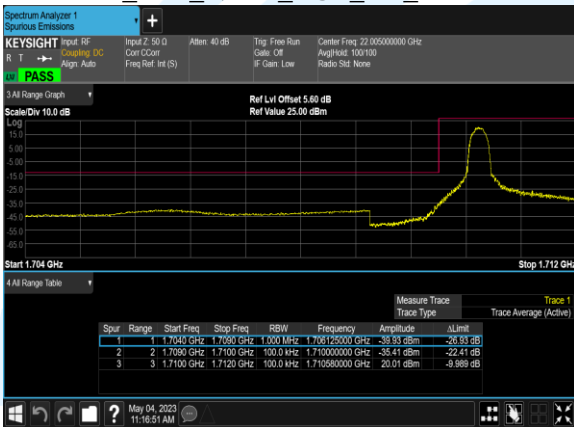
B4_15M_16QAM_1@74_CH_20325



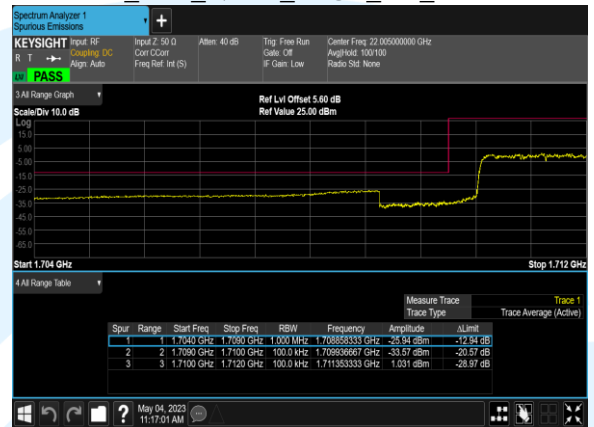
B4_15M_16QAM_75@0_CH_20325



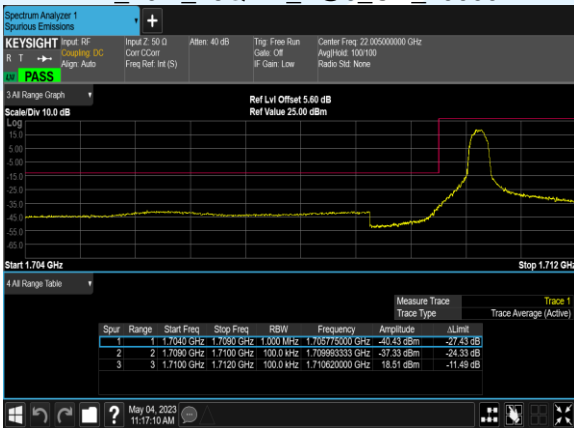
B4_10M_QPSK_1@0_CH_20000



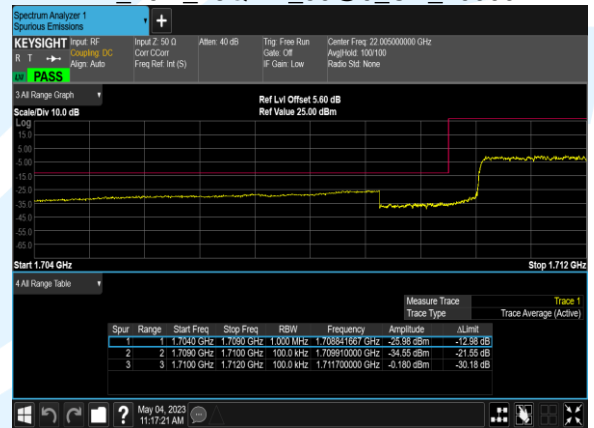
B4_10M_QPSK_50@0_CH_20000



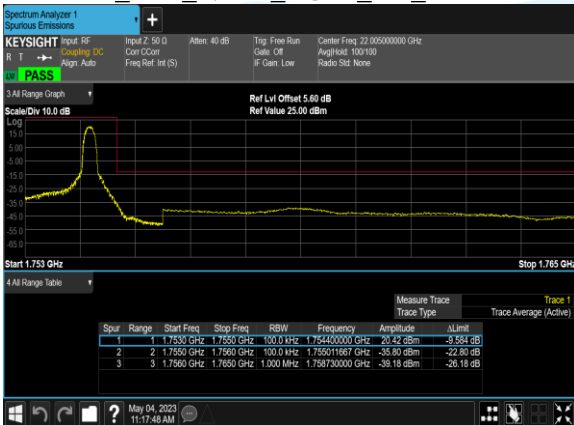
B4_10M_16QAM_1@0_CH_20000



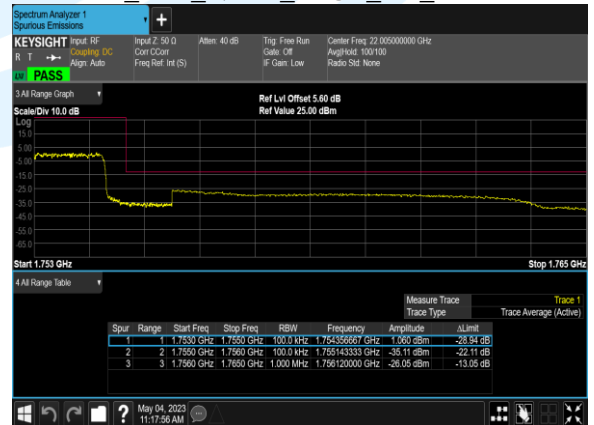
B4_10M_16QAM_50@0_CH_20000



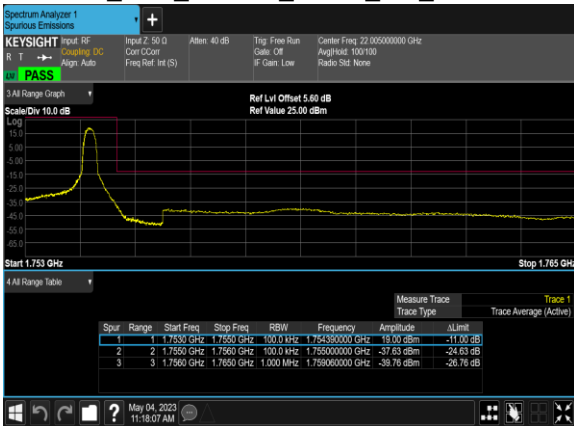
B4_10M_QPSK_1@49_CH_20350



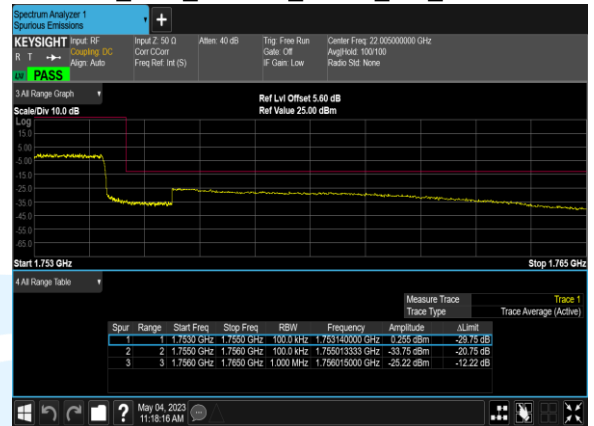
B4_10M_QPSK_50@0_CH_20350



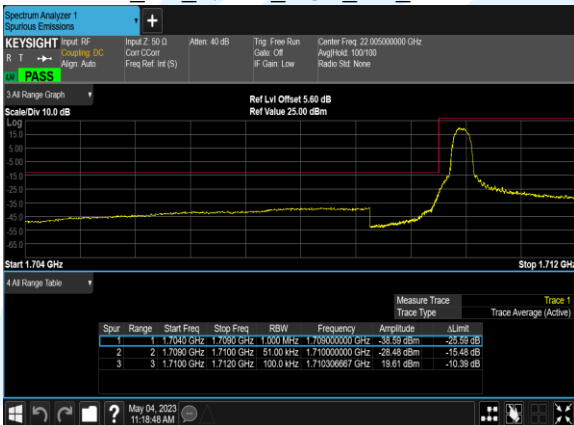
B4_10M_16QAM_1@49_CH_20350



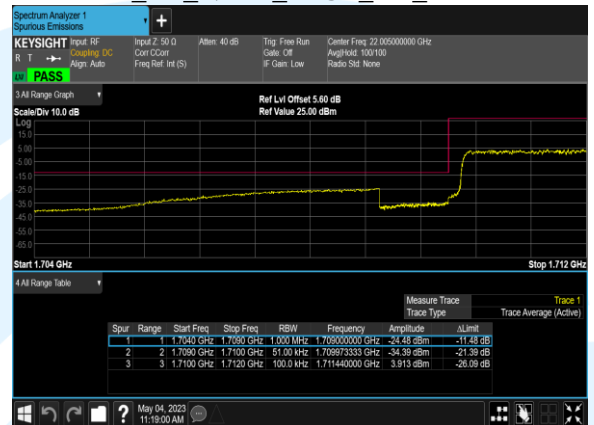
B4_10M_16QAM_50@0_CH_20350



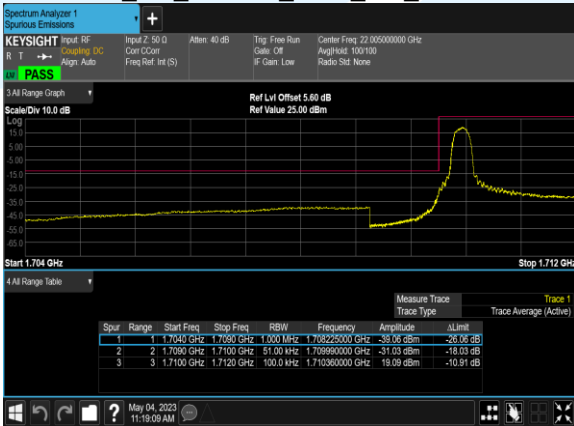
B4_5M_QPSK_1@0_CH_19975



B4_5M_QPSK_25@0_CH_19975



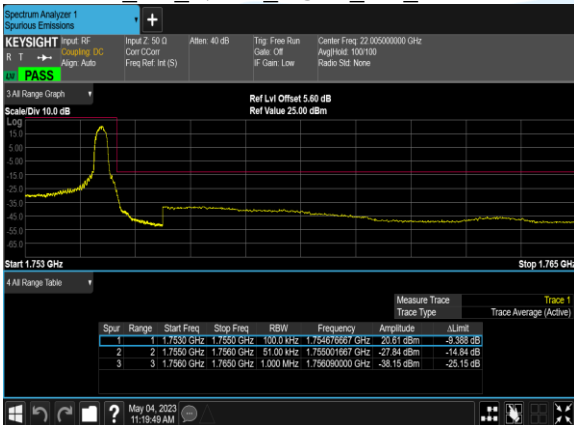
B4_5M_16QAM_1@0_CH_19975



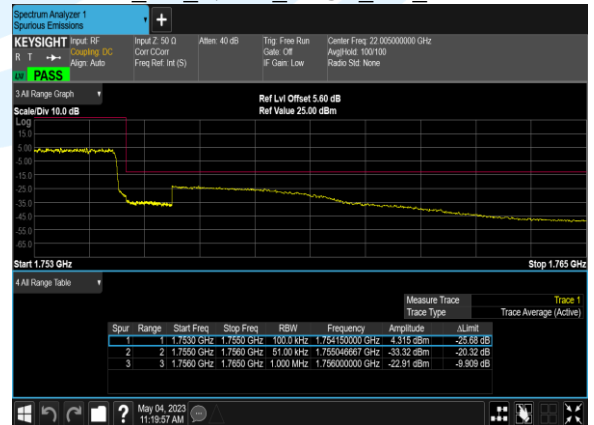
B4_5M_16QAM_25@0_CH_19975



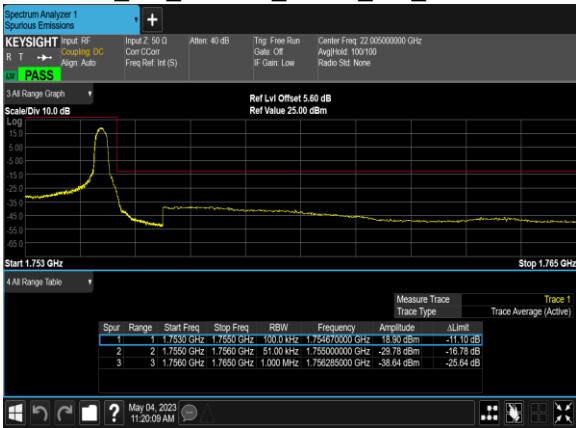
B4_5M_QPSK_1@24_CH_20375



B4_5M_QPSK_25@0_CH_20375



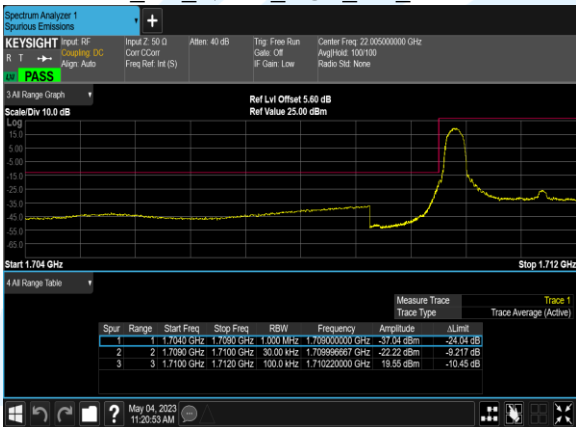
B4_5M_16QAM_1@24_CH_20375



B4_5M_16QAM_25@0_CH_20375



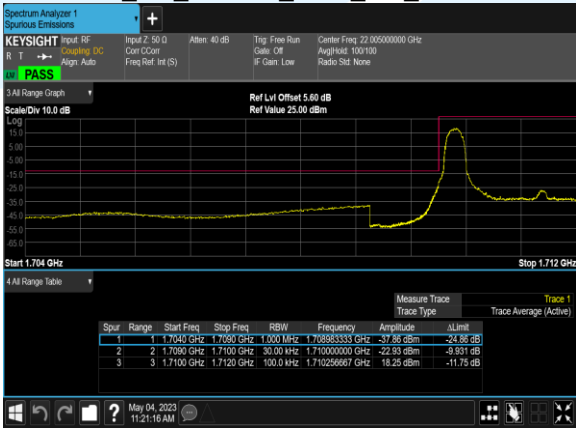
B4_3M_QPSK_1@0_CH_19965



B4_3M_QPSK_15@0_CH_19965



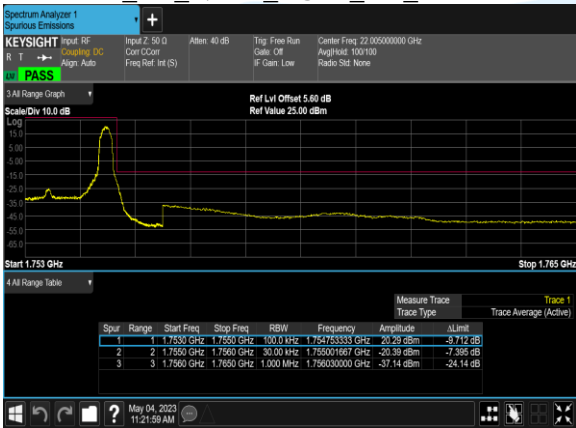
B4_3M_16QAM_1@0_CH_19965



B4_3M_16QAM_15@0_CH_19965



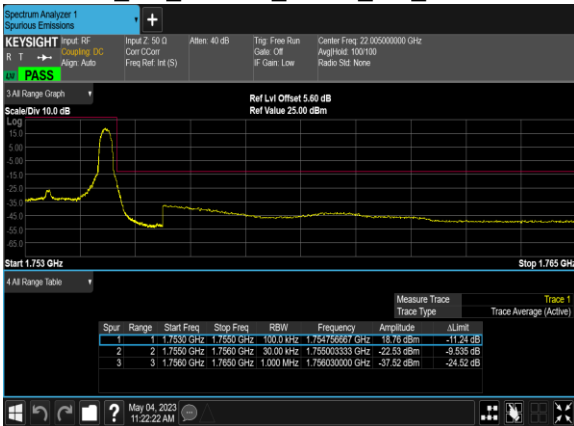
B4_3M_QPSK_1@14_CH_20385



B4_3M_QPSK_15@0_CH_20385



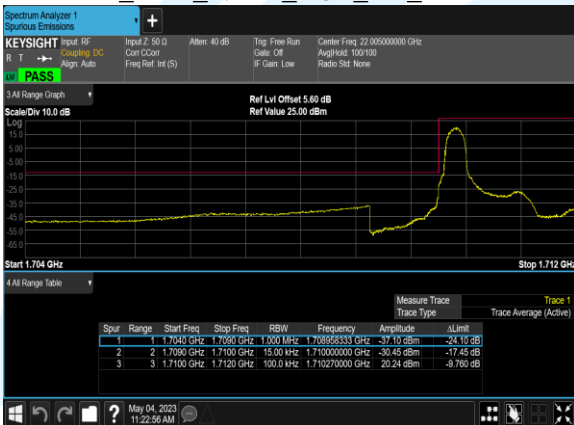
B4_3M_16QAM_1@14_CH_20385



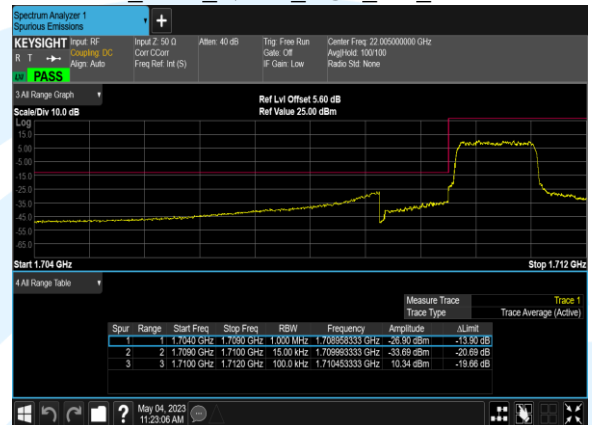
B4_3M_16QAM_15@0_CH_20385



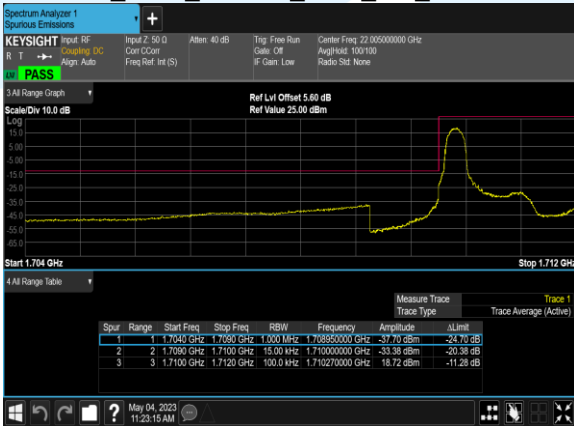
B4_1.4M_QPSK_1@0_CH_19957



B4_1.4M_QPSK_6@0_CH_19957



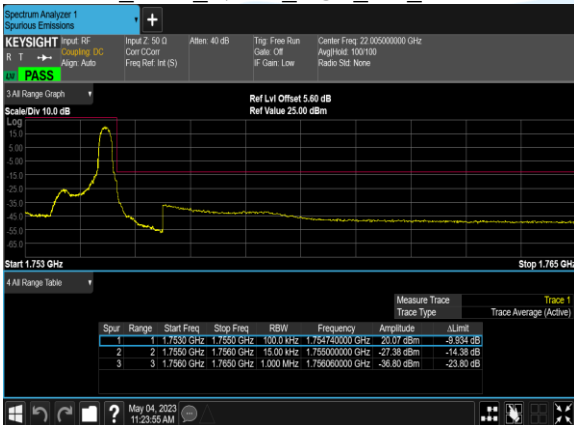
B4_1.4M_16QAM_1@0_CH_19957



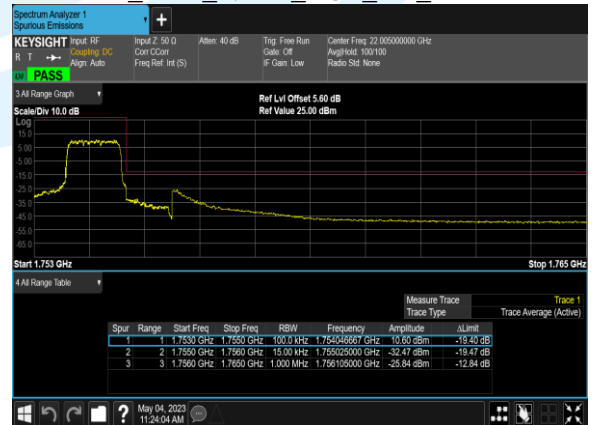
B4_1.4M_16QAM_6@0_CH_19957



B4_1.4M_QPSK_1@5_CH_20393



B4_1.4M_QPSK_6@0_CH_20393



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

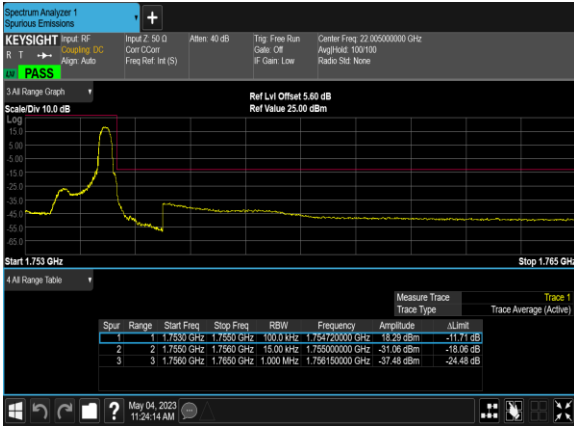
Fax: +86-755-28230886

E-mail: info@uttlab.com

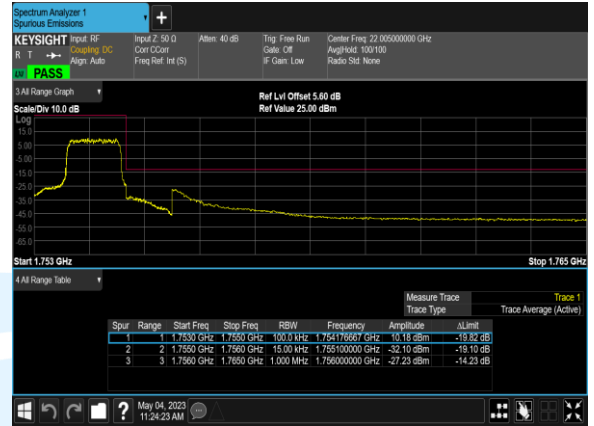
<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1

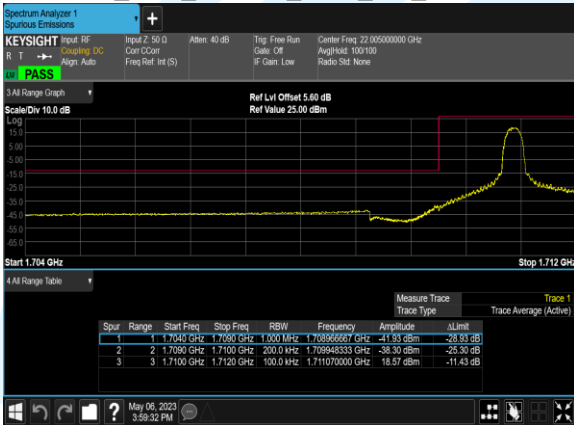
B4_1.4M_16QAM_1@5_CH_20393



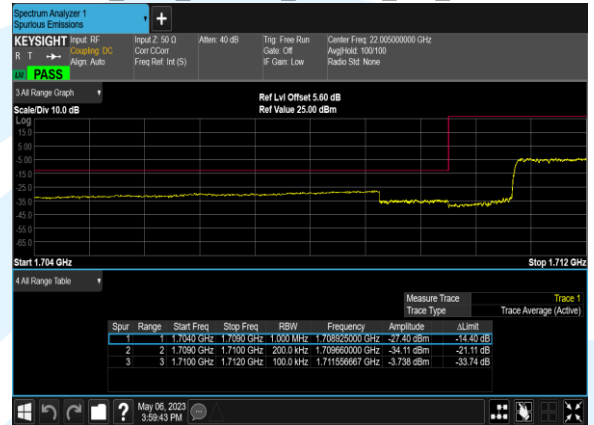
B4_1.4M_16QAM_6@0_CH_20393



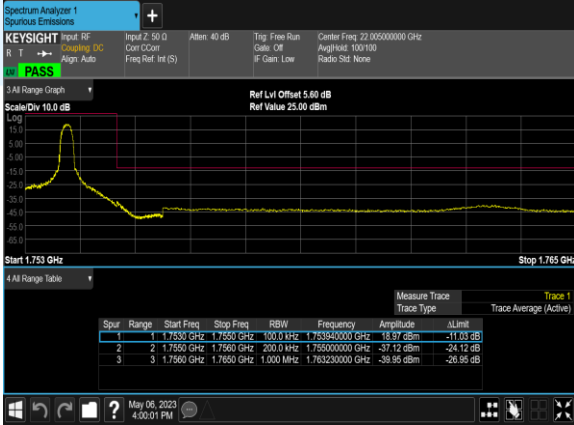
B4_20M_64QAM_1@0_CH_20050



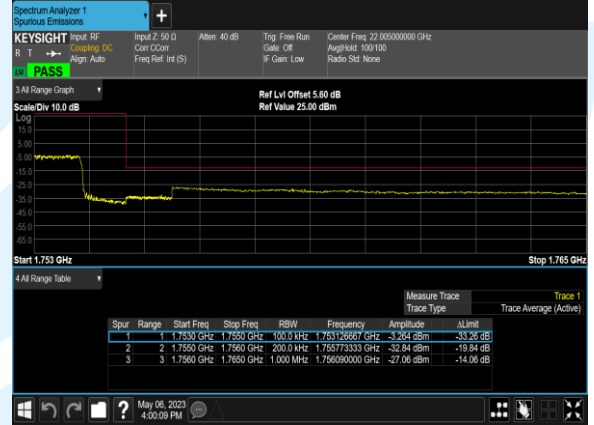
B4_20M_64QAM_100@0_CH_20050



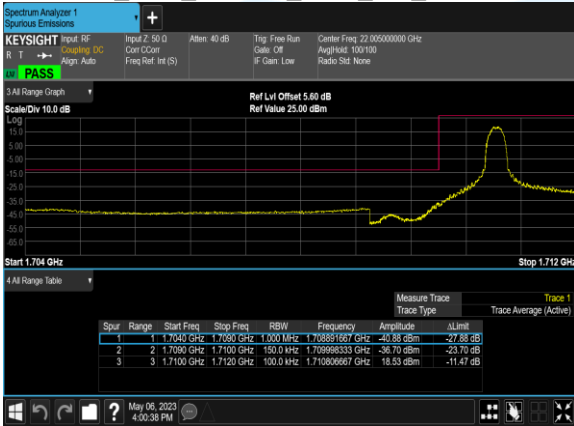
B4_20M_64QAM_1@99_CH_20300



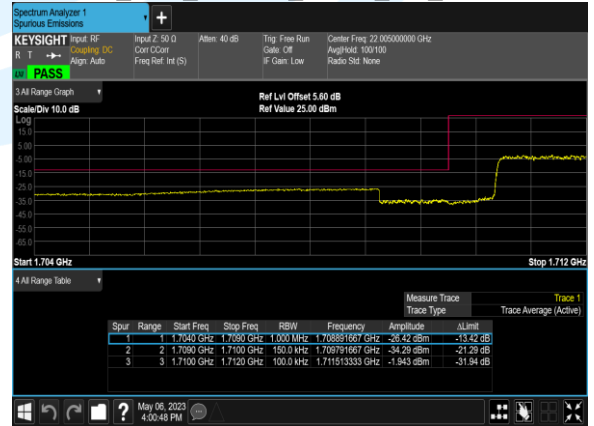
B4_20M_64QAM_100@0_CH_20300



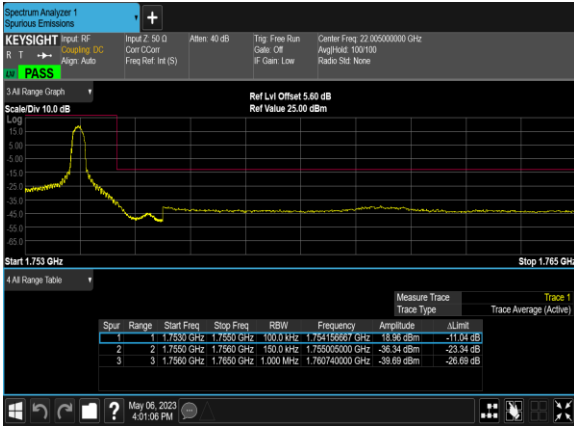
B4_15M_64QAM_1@0_CH_20025



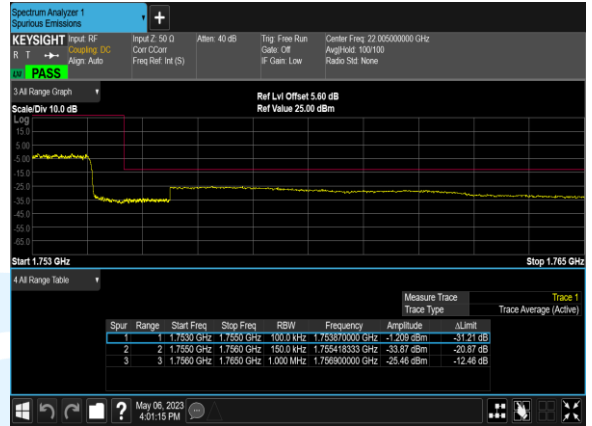
B4_15M_64QAM_75@0_CH_20025



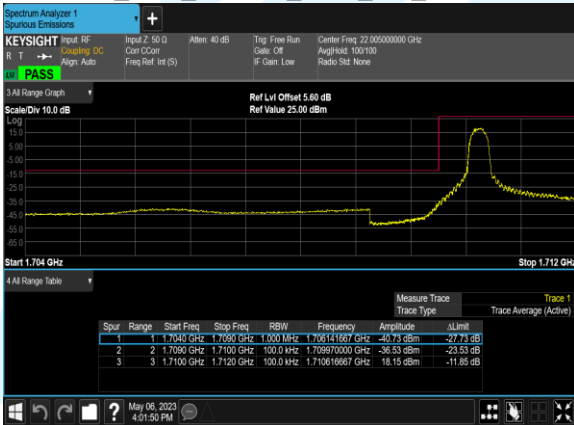
B4_15M_64QAM_1@74_CH_20325



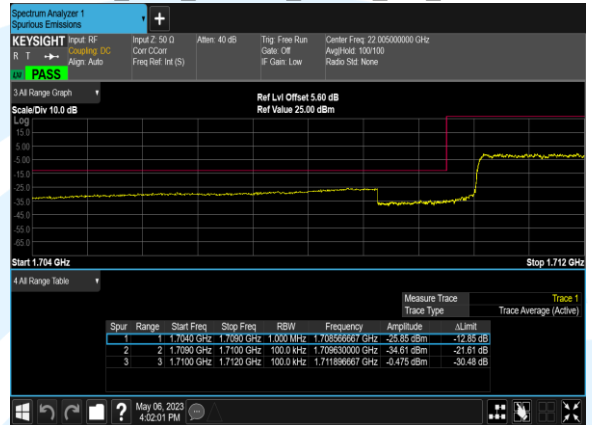
B4_15M_64QAM_75@0_CH_20325



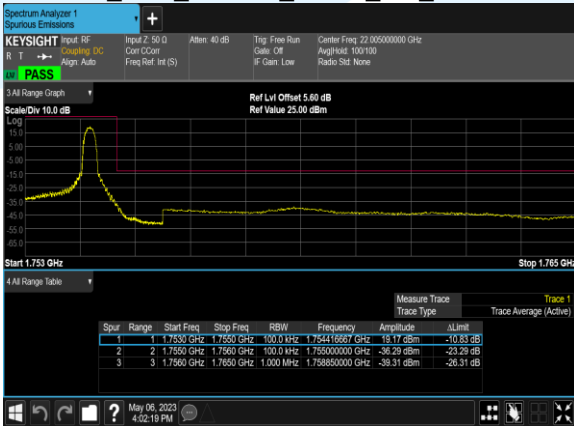
B4_10M_64QAM_1@0_CH_20000



B4_10M_64QAM_50@0_CH_20000



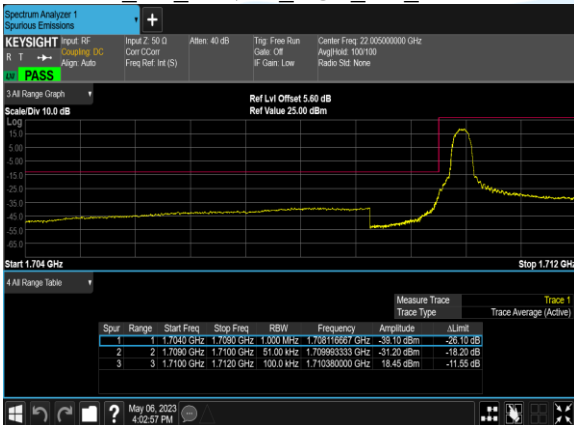
B4_10M_64QAM_1@49_CH_20350



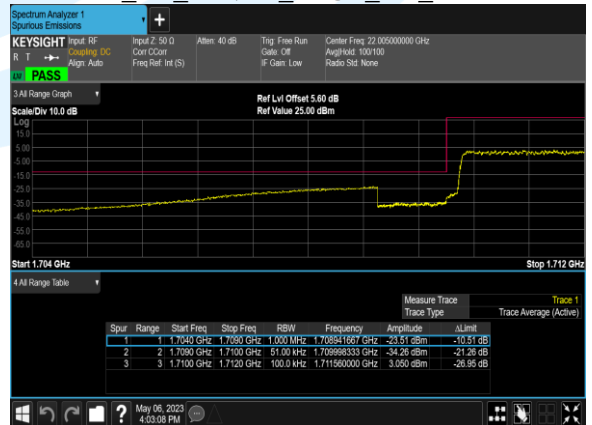
B4_10M_64QAM_50@0_CH_20350



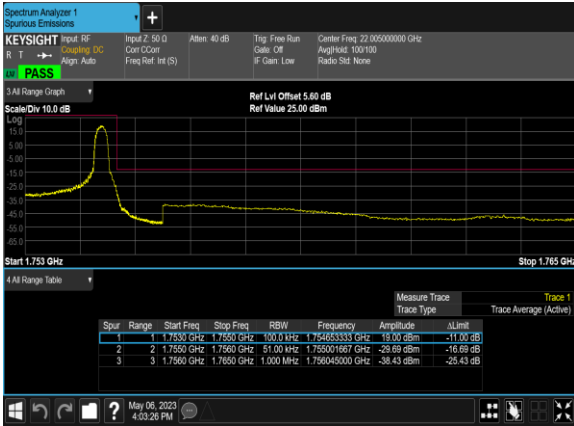
B4_5M_64QAM_1@0_CH_19975



B4_5M_64QAM_25@0_CH_19975



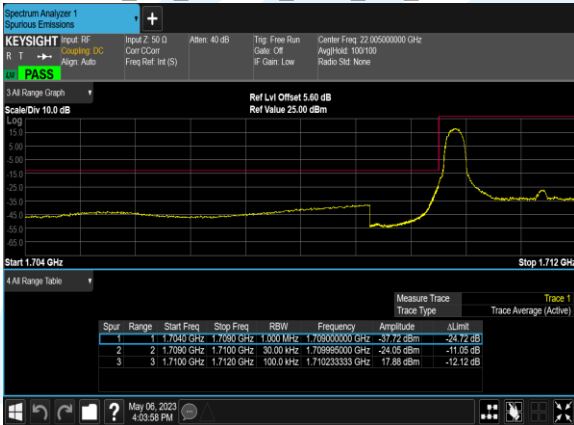
B4_5M_64QAM_1@24_CH_20375



B4_5M_64QAM_25@0_CH_20375



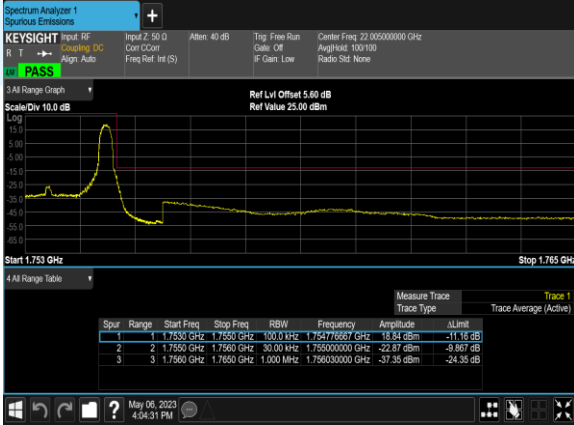
B4_3M_64QAM_1@0_CH_19965



B4_3M_64QAM_15@0_CH_19965



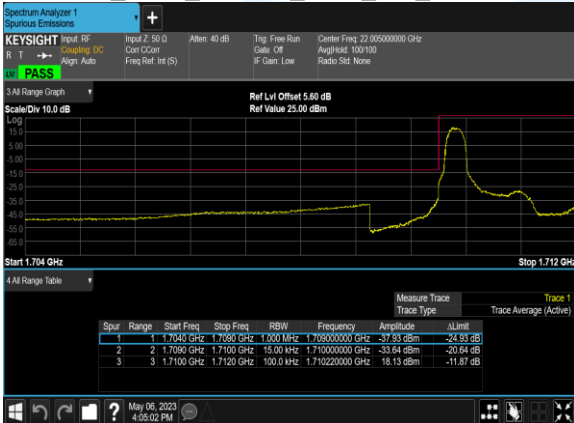
B4_3M_64QAM_1@14_CH_20385



B4_3M_64QAM_15@0_CH_20385



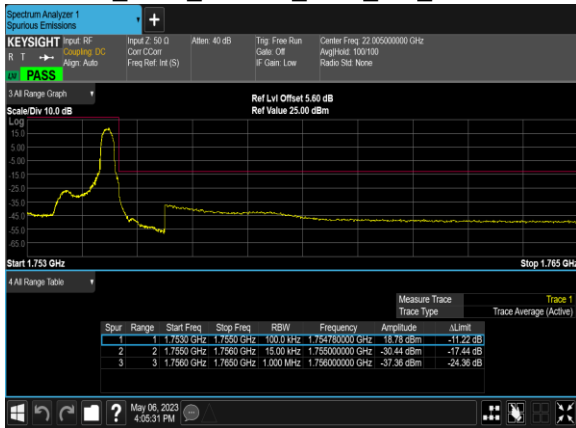
B4_1.4M_64QAM_1@0_CH_19957



B4_1.4M_64QAM_6@0_CH_19957



B4_1.4M_64QAM_1@5_CH_20393



B4_1.4M_64QAM_6@0_CH_20393



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>

UTTR-RF-FCC4G-V1.1

A.3 LTE BAND 5

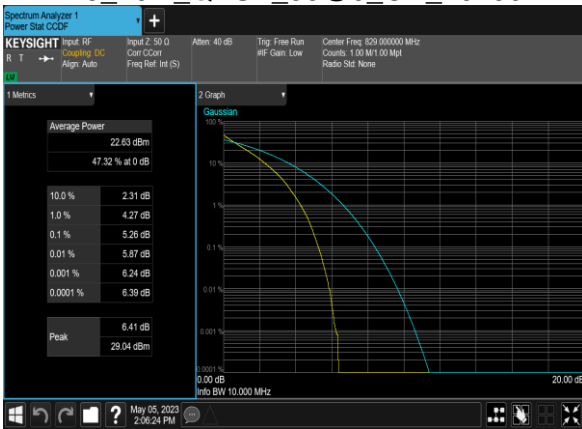
Peak to Average Ratio

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	10.0	20450	829.0	QPSK	50@0	5.26	13	PASS
5	10.0	20450	829.0	16QAM	50@0	6.03	13	PASS
5	10.0	20525	836.5	QPSK	50@0	5.45	13	PASS
5	10.0	20525	836.5	16QAM	50@0	6.28	13	PASS
5	10.0	20600	844.0	QPSK	50@0	5.45	13	PASS
5	10.0	20600	844.0	16QAM	50@0	6.22	13	PASS
5	5.0	20425	826.5	QPSK	25@0	5.08	13	PASS
5	5.0	20425	826.5	16QAM	25@0	5.83	13	PASS
5	5.0	20525	836.5	QPSK	25@0	5.58	13	PASS
5	5.0	20525	836.5	16QAM	25@0	6.29	13	PASS
5	5.0	20625	846.5	QPSK	25@0	5.65	13	PASS
5	5.0	20625	846.5	16QAM	25@0	6.38	13	PASS
5	3.0	20415	825.5	QPSK	15@0	5.07	13	PASS
5	3.0	20415	825.5	16QAM	15@0	5.90	13	PASS
5	3.0	20525	836.5	QPSK	15@0	5.50	13	PASS
5	3.0	20525	836.5	16QAM	15@0	6.32	13	PASS
5	3.0	20635	847.5	QPSK	15@0	5.53	13	PASS
5	3.0	20635	847.5	16QAM	15@0	6.42	13	PASS
5	1.4	20407	824.7	QPSK	6@0	5.08	13	PASS
5	1.4	20407	824.7	16QAM	6@0	5.89	13	PASS
5	1.4	20525	836.5	QPSK	6@0	5.53	13	PASS
5	1.4	20525	836.5	16QAM	6@0	6.32	13	PASS
5	1.4	20643	848.3	QPSK	6@0	5.67	13	PASS
5	1.4	20643	848.3	16QAM	6@0	6.52	13	PASS

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	10.0	20450	829.0	64QAM	50@0	6.03	13	PASS
5	10.0	20525	836.5	64QAM	50@0	6.22	13	PASS
5	10.0	20600	844.0	64QAM	50@0	6.20	13	PASS
5	5.0	20425	826.5	64QAM	25@0	5.79	13	PASS
5	5.0	20525	836.5	64QAM	25@0	6.26	13	PASS
5	5.0	20625	846.5	64QAM	25@0	6.37	13	PASS
5	3.0	20415	825.5	64QAM	15@0	5.84	13	PASS
5	3.0	20525	836.5	64QAM	15@0	6.28	13	PASS
5	3.0	20635	847.5	64QAM	15@0	6.46	13	PASS
5	1.4	20407	824.7	64QAM	6@0	5.83	13	PASS
5	1.4	20525	836.5	64QAM	6@0	6.26	13	PASS
5	1.4	20643	848.3	64QAM	6@0	6.45	13	PASS

Test Graphs

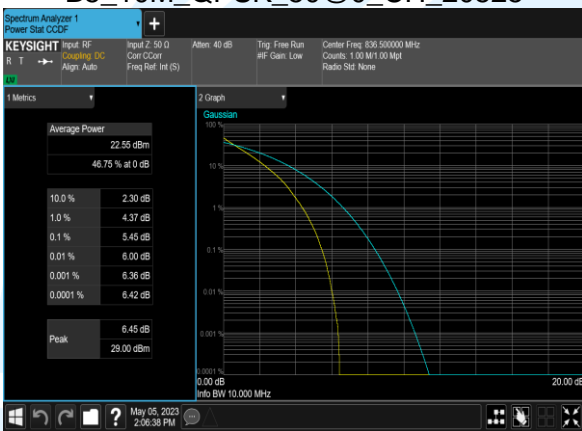
B5_10M_QPSK_50@0_CH_20450



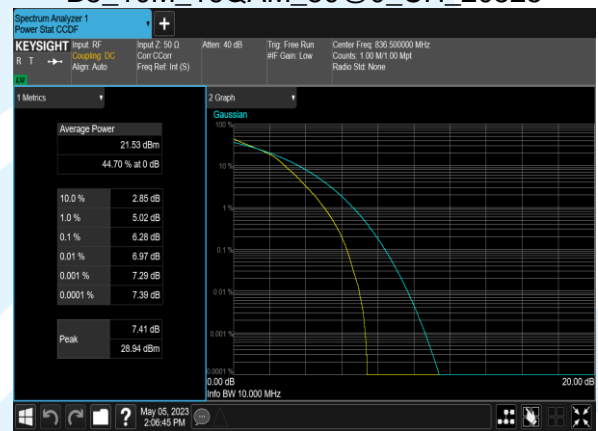
B5_10M_16QAM_50@0_CH_20450



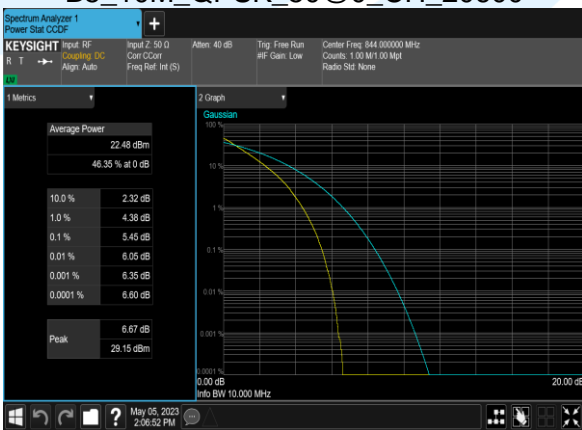
B5_10M_QPSK_50@0_CH_20525



B5_10M_16QAM_50@0_CH_20525



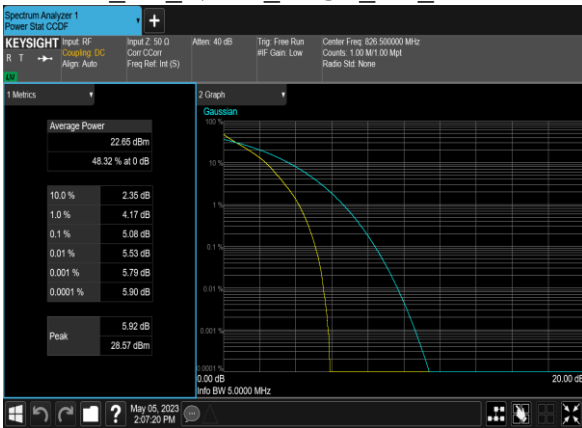
B5_10M_QPSK_50@0_CH_20600



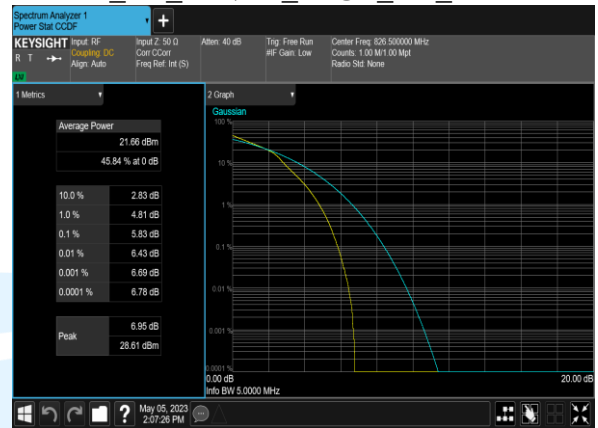
B5_10M_16QAM_50@0_CH_20600



B5_5M_QPSK_25@0_CH_20425



B5_5M_16QAM_25@0_CH_20425



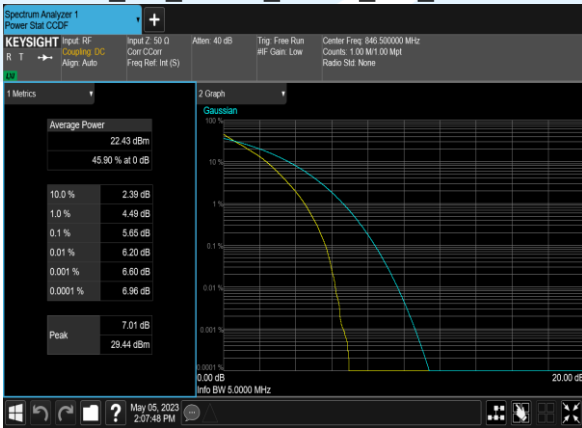
B5_5M_QPSK_25@0_CH_20525



B5_5M_16QAM_25@0_CH_20525



B5_5M_QPSK_25@0_CH_20625



B5_5M_16QAM_25@0_CH_20625



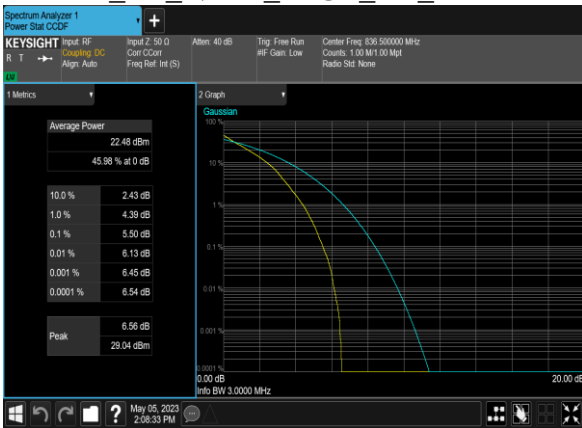
B5_3M_QPSK_15@0_CH_20415



B5_3M_16QAM_15@0_CH_20415



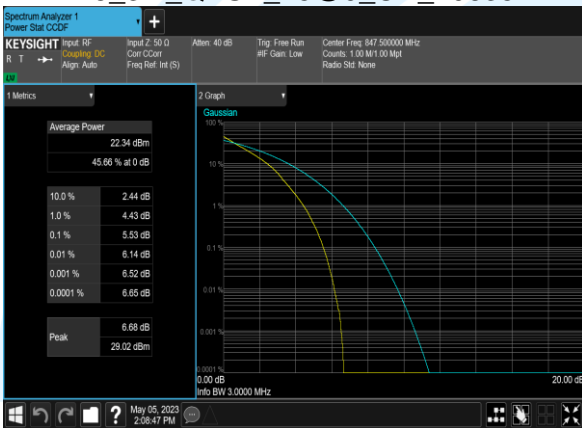
B5_3M_QPSK_15@0_CH_20525



B5_3M_16QAM_15@0_CH_20525



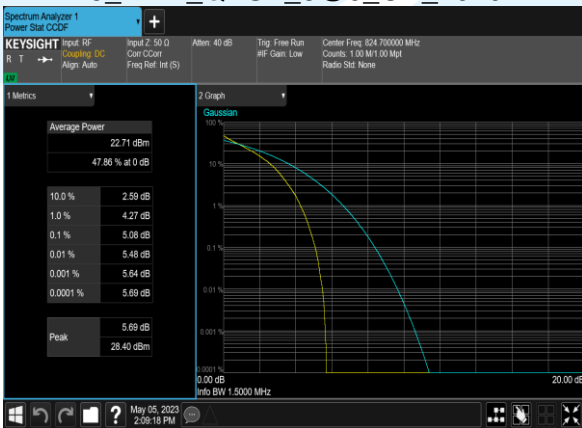
B5_3M_QPSK_15@0_CH_20635



B5_3M_16QAM_15@0_CH_20635



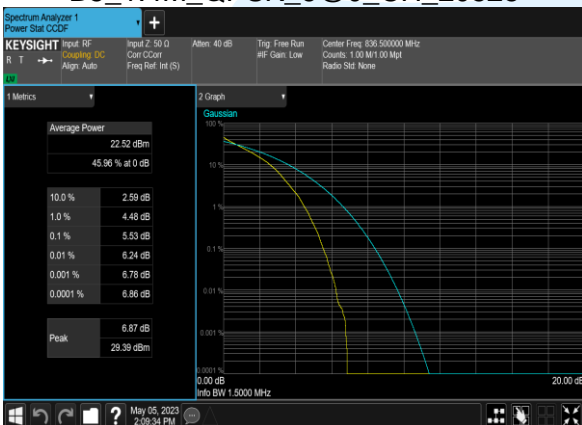
B5_1.4M_QPSK_6@0_CH_20407



B5_1.4M_16QAM_6@0_CH_20407



B5_1.4M_QPSK_6@0_CH_20525



B5_1.4M_16QAM_6@0_CH_20525

