B2_3M_QPSK_15@0_CH_18900

B2_3M_16QAM_15@0_CH_18900

B2_3M_QPSK_15@0_CH_19185

B2_3M_16QAM_15@0_CH_19185

B2_1.4M_QPSK_6@0_CH_18607

B2_1.4M_16QAM_6@0_CH_18607

B2_1.4M_QPSK_6@0_CH_18900

B2_1.4M_16QAM_6@0_CH_18900

B2_1.4M_QPSK_6@0_CH_19193

B2_1.4M_16QAM_6@0_CH_19193

Conducted Spurious Emissions

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result (dBm)	Limit (dBm)	Verdict
2	20.0	18700	1860.0	QPSK	1@0	-29.02	-13	PASS
2	20.0	18700	1860.0	16QAM	1@0	-28.91	-13	PASS
2	20.0	18900	1880.0	QPSK	1@0	-28.94	-13	PASS
2	20.0	18900	1880.0	16QAM	1@0	-29.0	-13	PASS
2	20.0	19100	1900.0	QPSK	1@0	-28.06	-13	PASS
2	20.0	19100	1900.0	16QAM	1@0	-28.24	-13	PASS
2	15.0	18675	1857.5	QPSK	1@0	-28.36	-13	PASS
2	15.0	18675	1857.5	16QAM	1@0	-28.99	-13	PASS
2	15.0	18900	1880.0	QPSK	1@0	-28.72	-13	PASS
2	15.0	18900	1880.0	16QAM	1@0	-28.4	-13	PASS
2	15.0	19125	1902.5	QPSK	1@0	-29.02	-13	PASS
2	15.0	19125	1902.5	16QAM	1@0	-28.31	-13	PASS
2	10.0	18650	1855.0	QPSK	1@0	-28.44	-13	PASS
2	10.0	18650	1855.0	16QAM	1@0	-28.49	-13	PASS
2	10.0	18900	1880.0	QPSK	1@0	-29.4	-13	PASS
2	10.0	18900	1880.0	16QAM	1@0	-28.39	-13	PASS
2	10.0	19150	1905.0	QPSK	1@0	-28.65	-13	PASS
2	10.0	19150	1905.0	16QAM	1@0	-28.97	-13	PASS
2	5.0	18625	1852.5	QPSK	1@0	-28.62	-13	PASS
2	5.0	18625	1852.5	16QAM	1@0	-28.16	-13	PASS
2	5.0	18900	1880.0	QPSK	1@0	-28.89	-13	PASS
2	5.0	18900	1880.0	16QAM	1@0	-27.6	-13	PASS
2	5.0	19175	1907.5	QPSK	1@0	-28.31	-13	PASS
2	5.0	19175	1907.5	16QAM	1@0	-28.66	-13	PASS
2	3.0	18615	1851.5	QPSK	1@0	-29.0	-13	PASS
2	3.0	18615	1851.5	16QAM	1@0	-28.87	-13	PASS
2	3.0	18900	1880.0	QPSK	1@0	-28.53	-13	PASS
2	3.0	18900	1880.0	16QAM	1@0	-28.85	-13	PASS
2	3.0	19185	1908.5	QPSK	1@0	-28.57	-13	PASS
2	3.0	19185	1908.5	16QAM	1@0	-28.22	-13	PASS
2	1.4	18607	1850.7	QPSK	1@0	-28.53	-13	PASS
2	1.4	18607	1850.7	16QAM	1@0	-28.7	-13	PASS
2	1.4	18900	1880.0	QPSK	1@0	-29.05	-13	PASS
2	1.4	18900	1880.0	16QAM	1@0	-28.35	-13	PASS
2	1.4	19193	1909.3	QPSK	1@0	-28.73	-13	PASS
2	1.4	19193	1909.3	16QAM	1@0	-28.87	-13	PASS

Test Graphs

B2_20M_QPSK_1@0_CH_18700   B2_20M_16QAM_1@0_CH_18700

B2_20M_QPSK_1@0_CH_18900

B2_20M_16QAM_1@0_CH_18900

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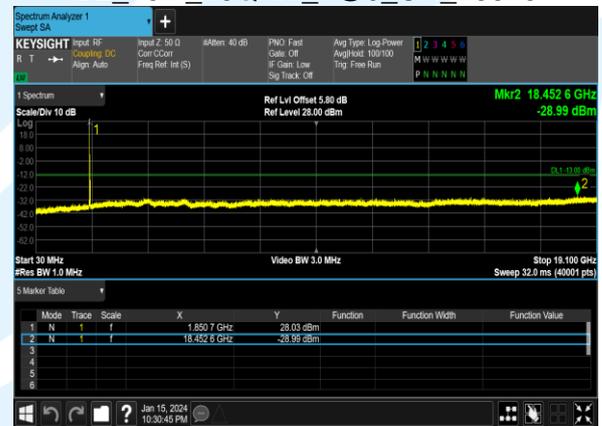

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B2_15M_QPSK_1@0_CH_18675

B2_15M_16QAM_1@0_CH_18675

B2_15M_QPSK_1@0_CH_18900

B2_15M_16QAM_1@0_CH_18900

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B2_15M_QPSK_1@0_CH_19125

B2_15M_16QAM_1@0_CH_19125

B2_10M_QPSK_1@0_CH_18650

B2_10M_16QAM_1@0_CH_18650

B2_10M_QPSK_1@0_CH_18900

B2_10M_16QAM_1@0_CH_18900

B2_10M_QPSK_1@0_CH_19150

B2_10M_16QAM_1@0_CH_19150

B2_5M_QPSK_1@0_CH_18625

B2_5M_16QAM_1@0_CH_18625

B2_5M_QPSK_1@0_CH_18900

B2_5M_16QAM_1@0_CH_18900

B2_5M_QPSK_1@0_CH_19175

B2_5M_16QAM_1@0_CH_19175

B2_3M_QPSK_1@0_CH_18615

B2_3M_16QAM_1@0_CH_18615

Shenzhen UnionTrust Quality and Technology Co., Ltd.

B2_3M_QPSK_1@0_CH_18900

B2_3M_16QAM_1@0_CH_18900

B2_3M_QPSK_1@0_CH_19185

B2_3M_16QAM_1@0_CH_19185

B2_1.4M_QPSK_1@0_CH_18607

B2_1.4M_16QAM_1@0_CH_18607

B2_1.4M_QPSK_1@0_CH_18900

B2_1.4M_16QAM_1@0_CH_18900

Shenzhen UnionTrust Quality and Technology Co., Ltd.

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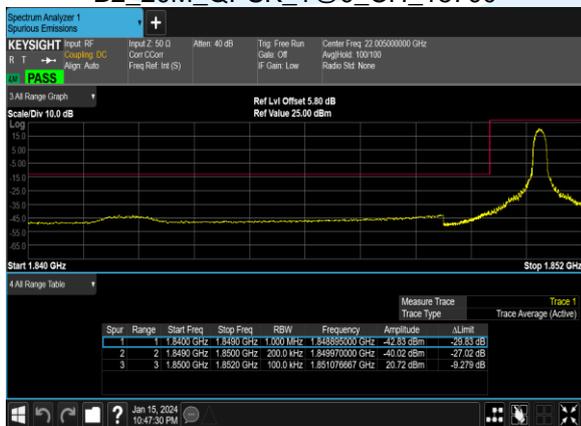Tel: +86-755-28230888   Fax: +86-755-28230886   E-mail: info@uttlab.com   http://www.uttlab.com
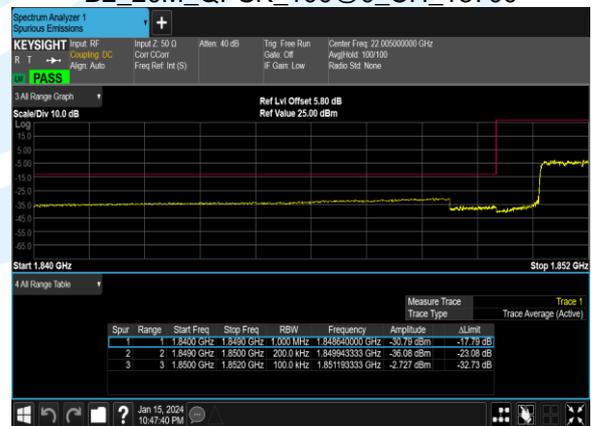UTTR-RF-FCC4G-V1.1

B2_1.4M_QPSK_1@0_CH_19193

B2_1.4M_16QAM_1@0_CH_19193

Conducted Band Edge

Band	Bandwidth (MHz)	Channel	Freq (MHz)	Modulation	RB	Result	Verdict
2	20.0	18700	1860.0	QPSK	1@0	see graph	PASS
2	20.0	18700	1860.0	QPSK	100@0	see graph	PASS
2	20.0	18700	1860.0	16QAM	1@0	see graph	PASS
2	20.0	18700	1860.0	16QAM	100@0	see graph	PASS
2	20.0	19100	1900.0	QPSK	1@99	see graph	PASS
2	20.0	19100	1900.0	QPSK	100@0	see graph	PASS
2	20.0	19100	1900.0	16QAM	1@99	see graph	PASS
2	20.0	19100	1900.0	16QAM	100@0	see graph	PASS
2	15.0	18675	1857.5	QPSK	1@0	see graph	PASS
2	15.0	18675	1857.5	QPSK	75@0	see graph	PASS
2	15.0	18675	1857.5	16QAM	1@0	see graph	PASS
2	15.0	18675	1857.5	16QAM	75@0	see graph	PASS
2	15.0	19125	1902.5	QPSK	1@74	see graph	PASS
2	15.0	19125	1902.5	QPSK	75@0	see graph	PASS
2	15.0	19125	1902.5	16QAM	1@74	see graph	PASS
2	15.0	19125	1902.5	16QAM	75@0	see graph	PASS
2	10.0	18650	1855.0	QPSK	1@0	see graph	PASS
2	10.0	18650	1855.0	QPSK	50@0	see graph	PASS
2	10.0	18650	1855.0	16QAM	1@0	see graph	PASS
2	10.0	18650	1855.0	16QAM	50@0	see graph	PASS
2	10.0	19150	1905.0	QPSK	1@49	see graph	PASS
2	10.0	19150	1905.0	QPSK	50@0	see graph	PASS
2	10.0	19150	1905.0	16QAM	1@49	see graph	PASS
2	10.0	19150	1905.0	16QAM	50@0	see graph	PASS
2	5.0	18625	1852.5	QPSK	1@0	see graph	PASS
2	5.0	18625	1852.5	QPSK	25@0	see graph	PASS
2	5.0	18625	1852.5	16QAM	1@0	see graph	PASS
2	5.0	18625	1852.5	16QAM	25@0	see graph	PASS
2	5.0	19175	1907.5	QPSK	1@24	see graph	PASS
2	5.0	19175	1907.5	QPSK	25@0	see graph	PASS
2	5.0	19175	1907.5	16QAM	1@24	see graph	PASS
2	5.0	19175	1907.5	16QAM	25@0	see graph	PASS
2	3.0	18615	1851.5	QPSK	1@0	see graph	PASS
2	3.0	18615	1851.5	QPSK	15@0	see graph	PASS
2	3.0	18615	1851.5	16QAM	1@0	see graph	PASS
2	3.0	18615	1851.5	16QAM	15@0	see graph	PASS
2	3.0	19185	1908.5	QPSK	1@14	see graph	PASS
2	3.0	19185	1908.5	QPSK	15@0	see graph	PASS
2	3.0	19185	1908.5	16QAM	1@14	see graph	PASS
2	3.0	19185	1908.5	16QAM	15@0	see graph	PASS
2	1.4	18607	1850.7	QPSK	1@0	see graph	PASS
2	1.4	18607	1850.7	QPSK	6@0	see graph	PASS
2	1.4	18607	1850.7	16QAM	1@0	see graph	PASS
2	1.4	18607	1850.7	16QAM	6@0	see graph	PASS
2	1.4	19193	1909.3	QPSK	1@5	see graph	PASS
2	1.4	19193	1909.3	QPSK	6@0	see graph	PASS
2	1.4	19193	1909.3	16QAM	1@5	see graph	PASS
2	1.4	19193	1909.3	16QAM	6@0	see graph	PASS

Test Graphs

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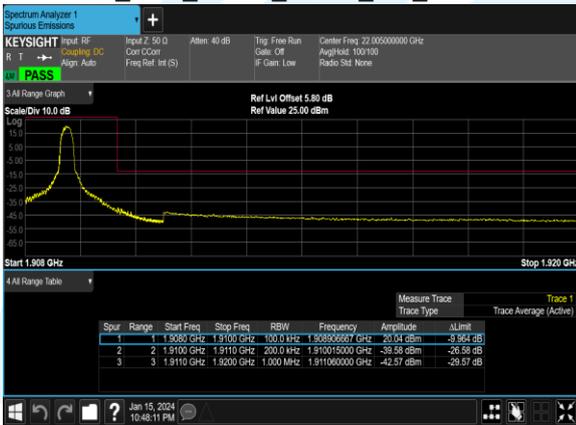

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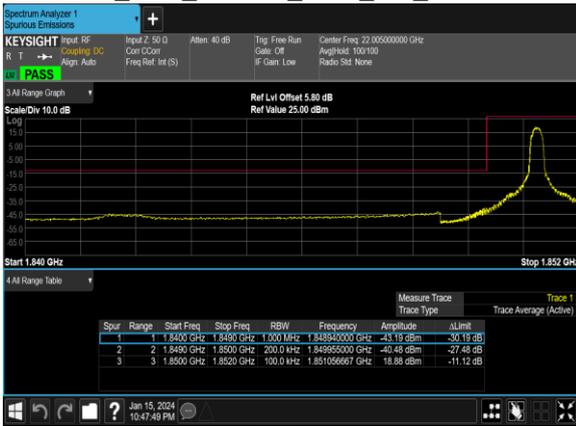
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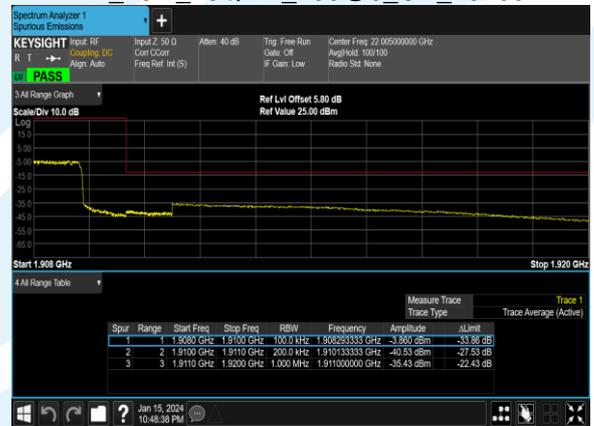## B2_20M_QPSK_1@99_CH_19100

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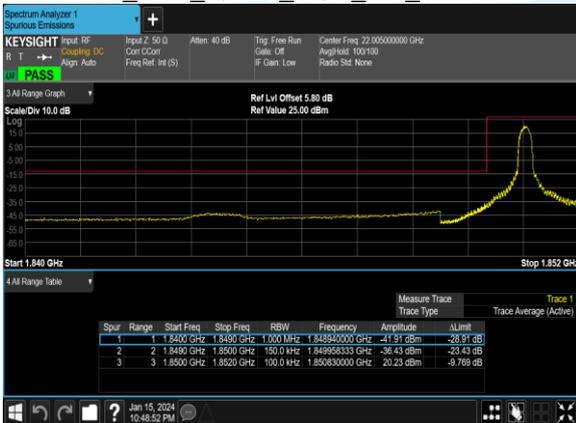## B2_20M_16QAM_1@99_CH_19100

B2_20M_16QAM_100@0_CH_19100

B2_15M_QPSK_1@0_CH_18675

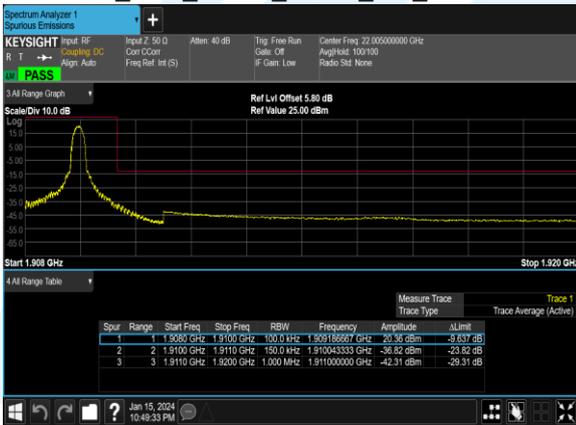## B2_15M_QPSK_75@0_CH_18675

UnionTrust
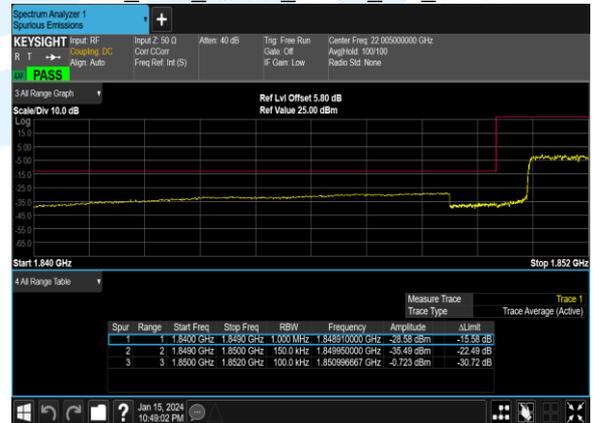
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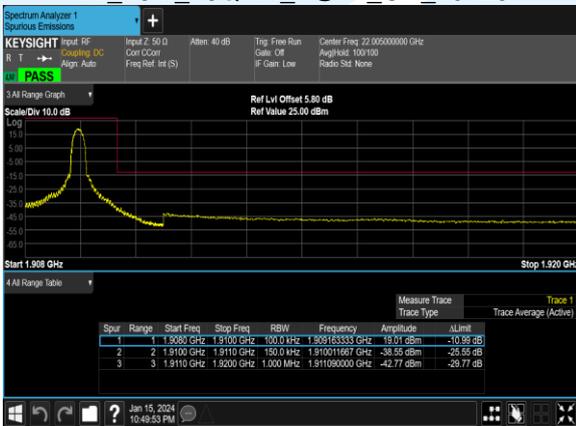### B2_15M_QPSK_1@74_CH_19125

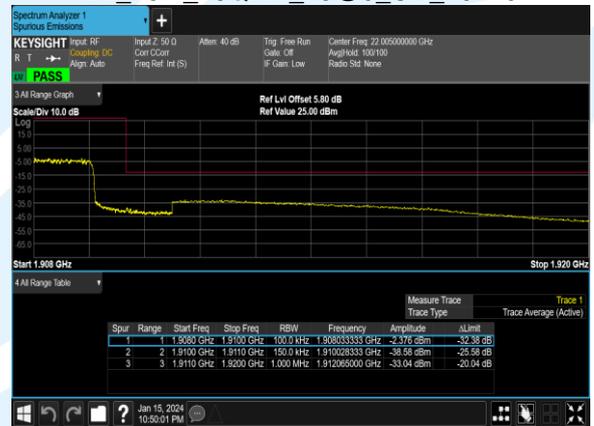### B2_15M_QPSK_75@0_CH_19125

B2_15M_16QAM_1@74_CH_19125

B2_15M_16QAM_75@0_CH_19125

B2_10M_QPSK_1@0_CH_18650

B2_10M_QPSK_50@0_CH_18650

B2_10M_16QAM_1@0_CH_18650

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.8400 GHz	1.8490 GHz	1.000 MHz	1.848940000 GHz	-41.93 dBm	-28.93 dB
2	2	1.8490 GHz	1.8500 GHz	100.0 kHz	1.849998333 GHz	-34.26 dBm	-21.26 dB
3	3	1.8500 GHz	1.8520 GHz	100.0 kHz	1.850590000 GHz	18.56 dBm	-11.44 dB

B2_10M_16QAM_50@0_CH_18650

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.8400 GHz	1.8490 GHz	1.000 MHz	1.848910000 GHz	-32.46 dBm	-19.46 dB
2	2	1.8490 GHz	1.8500 GHz	100.0 kHz	1.849980000 GHz	-39.10 dBm	-26.10 dB
3	3	1.8500 GHz	1.8520 GHz	100.0 kHz	1.851700000 GHz	-0.324 dBm	-30.32 dB

B2_10M_QPSK_1@49_CH_19150

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.9080 GHz	1.9100 GHz	100.0 kHz	1.909423333 GHz	20.17 dBm	-9.828 dB
2	2	1.9100 GHz	1.9110 GHz	100.0 kHz	1.910000000 GHz	-33.51 dBm	-20.51 dB
3	3	1.9110 GHz	1.9200 GHz	1.000 MHz	1.911075000 GHz	-40.92 dBm	-27.92 dB

B2_10M_QPSK_50@0_CH_19150

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.9080 GHz	1.9100 GHz	100.0 kHz	1.908000000 GHz	1.517 dBm	-28.48 dB
2	2	1.9100 GHz	1.9110 GHz	100.0 kHz	1.910006667 GHz	-35.50 dBm	-22.50 dB
3	3	1.9110 GHz	1.9200 GHz	1.000 MHz	1.911120000 GHz	-27.91 dBm	-14.91 dB

B2_10M_16QAM_1@49_CH_19150

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.9080 GHz	1.9100 GHz	100.0 kHz	1.909403333 GHz	19.30 dBm	-10.70 dB
2	2	1.9100 GHz	1.9110 GHz	100.0 kHz	1.910004000 GHz	-35.08 dBm	-22.08 dB
3	3	1.9110 GHz	1.9200 GHz	1.000 MHz	1.911195000 GHz	-42.34 dBm	-29.34 dB

B2_10M_16QAM_50@0_CH_19150

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.9080 GHz	1.9100 GHz	100.0 kHz	1.908256667 GHz	-0.386 dBm	-30.39 dB
2	2	1.9100 GHz	1.9110 GHz	100.0 kHz	1.910018333 GHz	-39.12 dBm	-26.12 dB
3	3	1.9110 GHz	1.9200 GHz	1.000 MHz	1.911060000 GHz	-31.95 dBm	-18.95 dB

B2_5M_QPSK_1@0_CH_18625

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.8400 GHz	1.8490 GHz	1.000 MHz	1.845760000 GHz	-38.37 dBm	-25.37 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.849996667 GHz	-28.24 dBm	-15.24 dB
3	3	1.8500 GHz	1.8520 GHz	100.0 kHz	1.850366667 GHz	20.18 dBm	-9.822 dB

B2_5M_QPSK_25@0_CH_18625

Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	1.8400 GHz	1.8490 GHz	1.000 MHz	1.848970000 GHz	-27.31 dBm	-14.31 dB
2	2	1.8490 GHz	1.8500 GHz	51.00 kHz	1.850000000 GHz	-34.29 dBm	-21.29 dB
3	3	1.8500 GHz	1.8520 GHz	100.0 kHz	1.851946667 GHz	4.365 dBm	-25.64 dB

B2_5M_16QAM_1@0_CH_18625

B2_5M_16QAM_25@0_CH_18625

B2_5M_QPSK_1@24_CH_19175

B2_5M_QPSK_25@0_CH_19175

B2_5M_16QAM_1@24_CH_19175

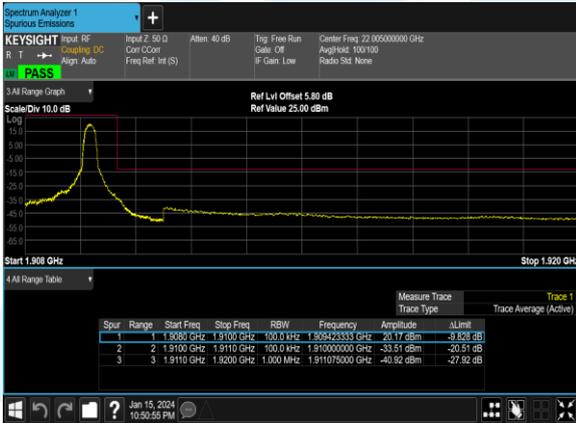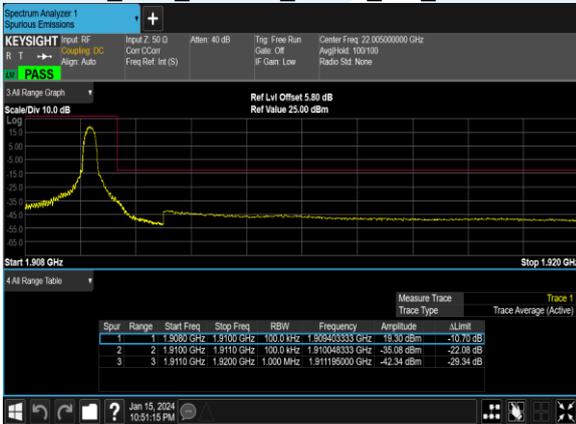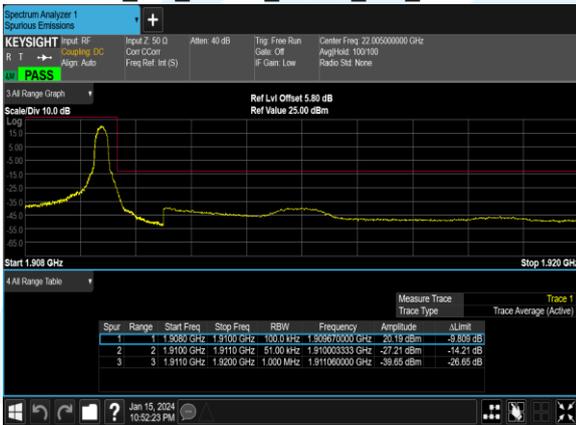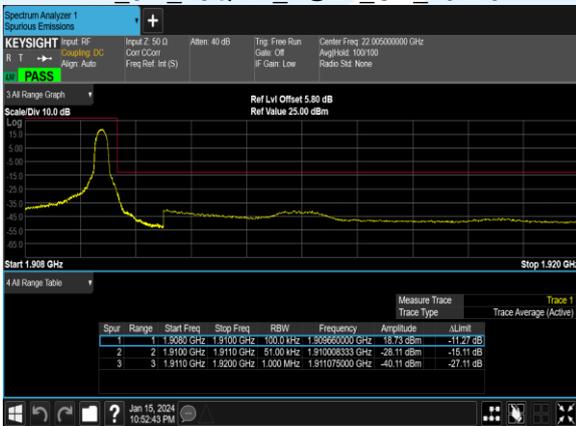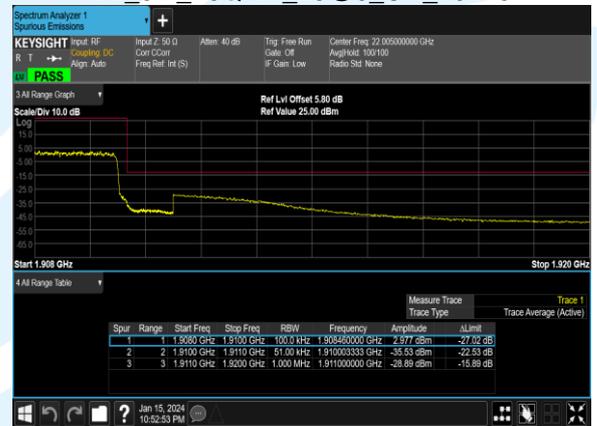## B2_5M_16QAM_25@0_CH_19175

B2_3M_QPSK_1@0_CH_18615

B2_3M_QPSK_15@0_CH_18615

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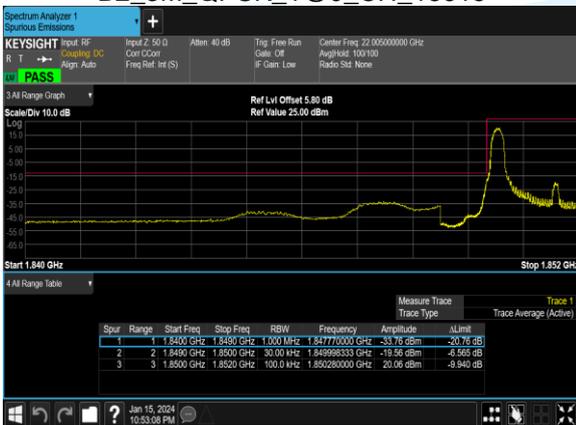
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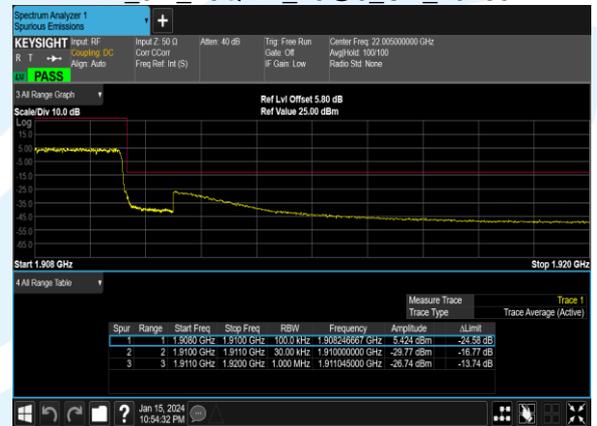

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B2_3M_16QAM_15@0_CH_19185

B2_1.4M_QPSK_1@0_CH_18607

B2_1.4M_QPSK_6@0_CH_18607