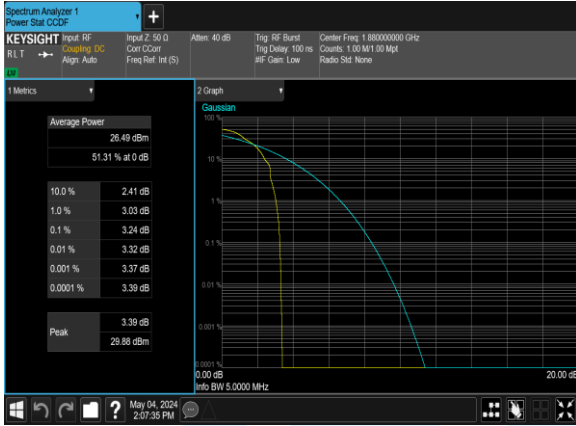
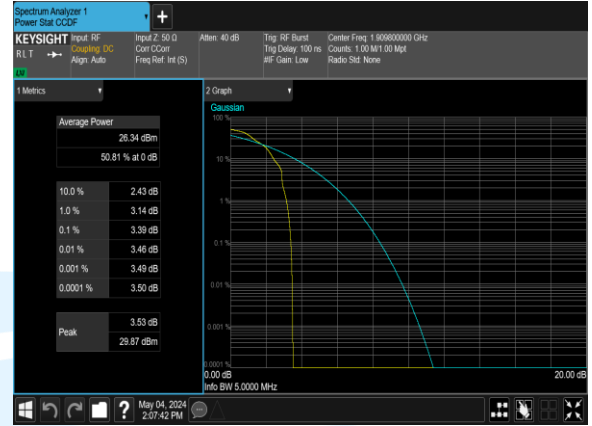


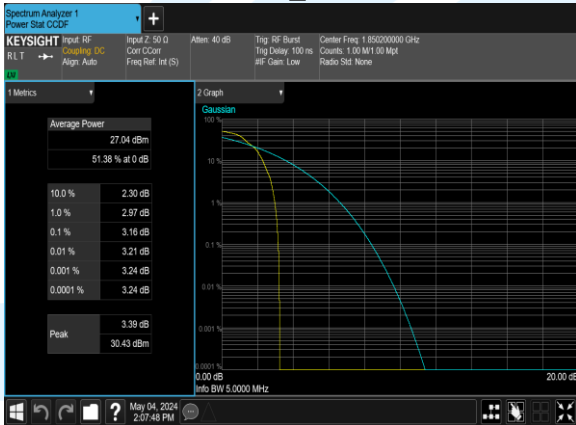
EGPRS1900_Channel661



EGPRS1900_Channel810



EGPRS1900_Channel512



Occupied Bandwidth

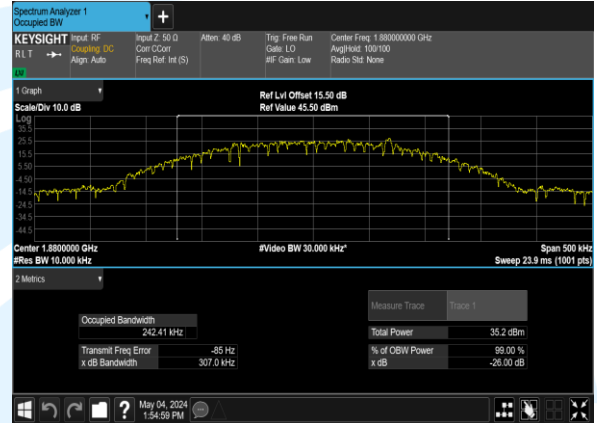
Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)
PCS 1900	512	1850.2	1 Tx	0.24134	0.3044
PCS 1900	661	1880.0	1 Tx	0.24241	0.307
PCS 1900	810	1909.8	1 Tx	0.24311	0.3073
GPRS 1900	661	1880.0	1 Tx	0.24349	0.3143
GPRS 1900	810	1909.8	1 Tx	0.24254	0.3113
GPRS 1900	512	1850.2	1 Tx	0.24287	0.3139
EGPRS 1900	661	1880.0	1 Tx	0.24141	0.3153
EGPRS 1900	810	1909.8	1 Tx	0.24308	0.3117
EGPRS 1900	512	1850.2	1 Tx	0.24494	0.3125

Test Graphs

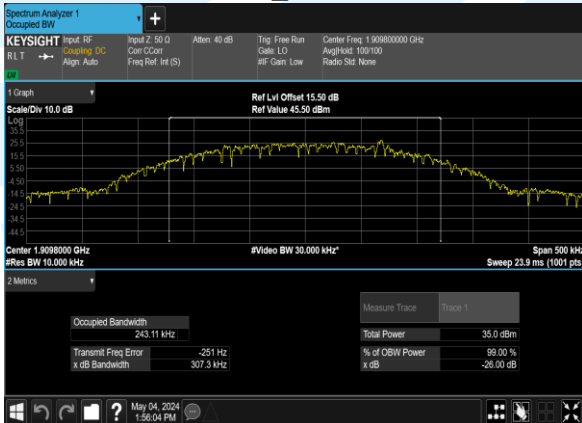
PCS1900_Channel512



PCS1900_Channel661



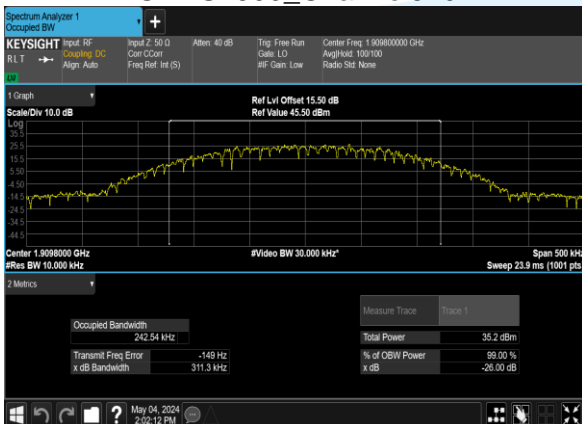
PCS1900_Channel810



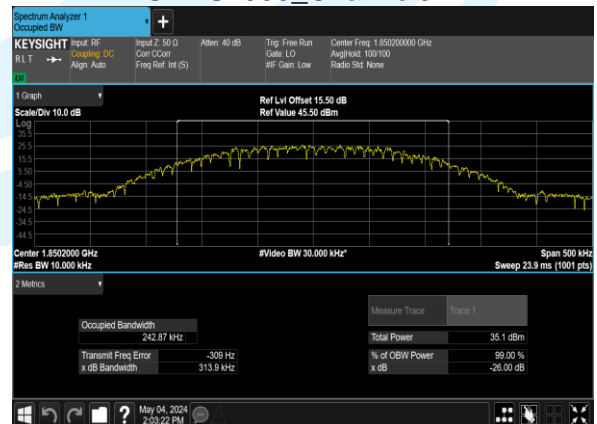
GPRS1900_Channel661



GPRS1900_Channel810



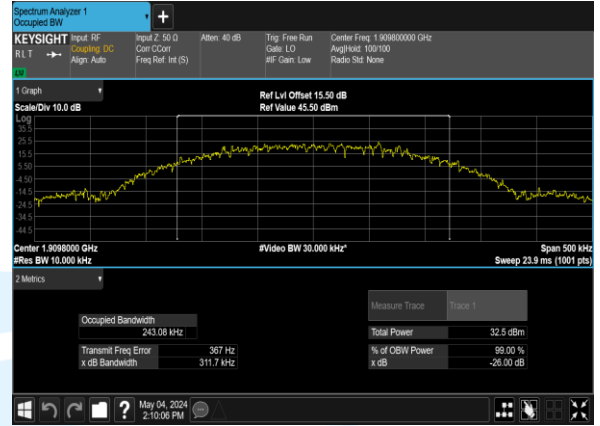
GPRS1900_Channel512



EGPRS1900_Channel661



EGPRS1900_Channel810



EGPRS1900_Channel512

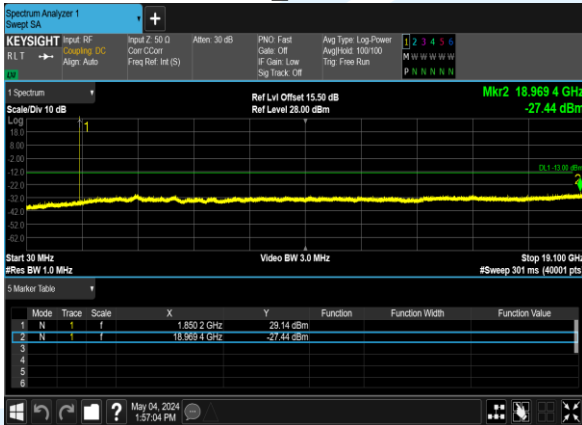


Conducted Spurious Emissions

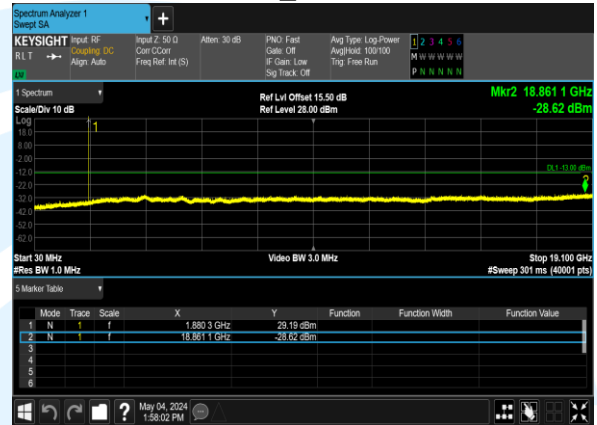
Band	Channel	Freq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
PCS 1900	512	1850.2	1 Tx	-27.44	-13	PASS
PCS 1900	661	1880.0	1 Tx	-28.62	-13	PASS
PCS 1900	810	1909.8	1 Tx	-28.54	-13	PASS
GPRS 1900	661	1880.0	1 Tx	-28.28	-13	PASS
GPRS 1900	810	1909.8	1 Tx	-28.32	-13	PASS
GPRS 1900	512	1850.2	1 Tx	-28.71	-13	PASS
EGPRS 1900	512	1850.2	1 Tx	-28.56	-13	PASS
EGPRS 1900	810	1909.8	1 Tx	-28.84	-13	PASS
EGPRS 1900	661	1880.0	1 Tx	-28.69	-13	PASS

Test Graphs

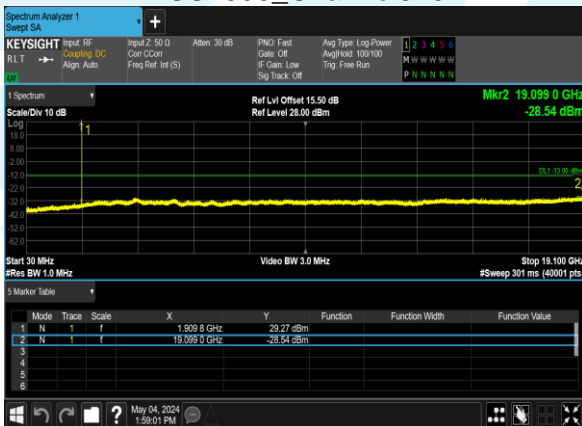
PCS1900_Channel512



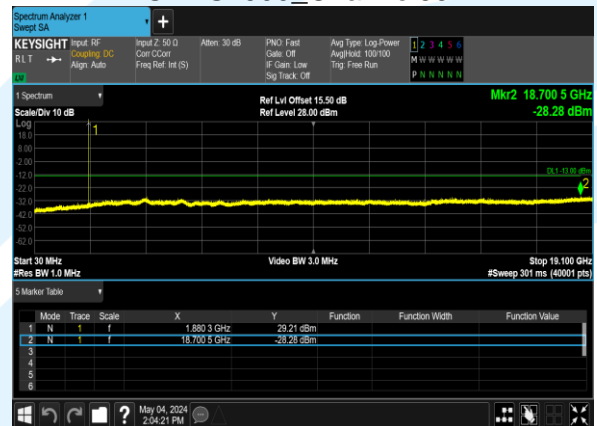
PCS1900_Channel661



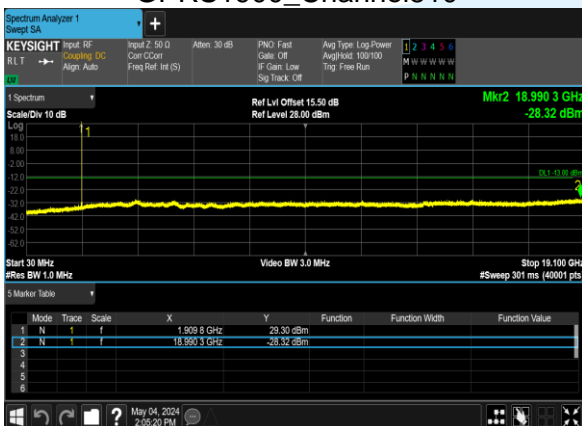
PCS1900_Channel810



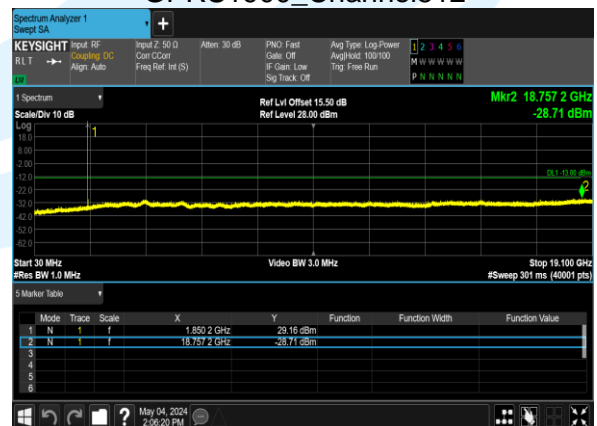
GPRS1900_Channel661



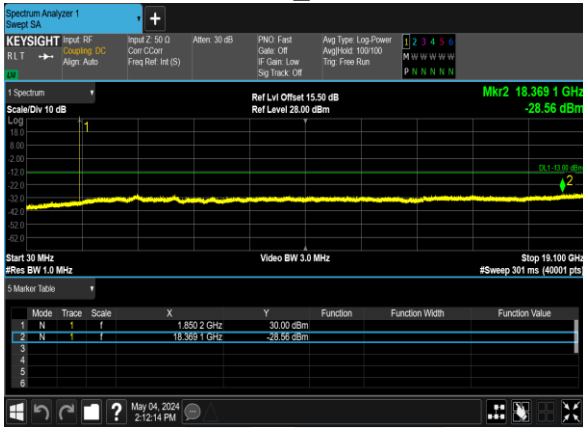
GPRS1900_Channel810



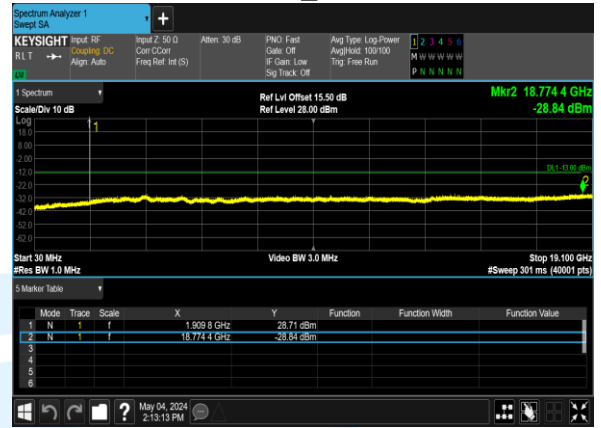
GPRS1900_Channel512



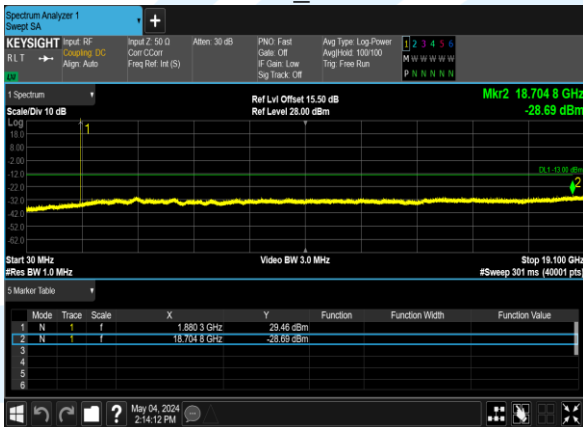
EGPRS1900_Channel512



EGPRS1900_Channel810



EGPRS1900_Channel661



Conducted Band Edge

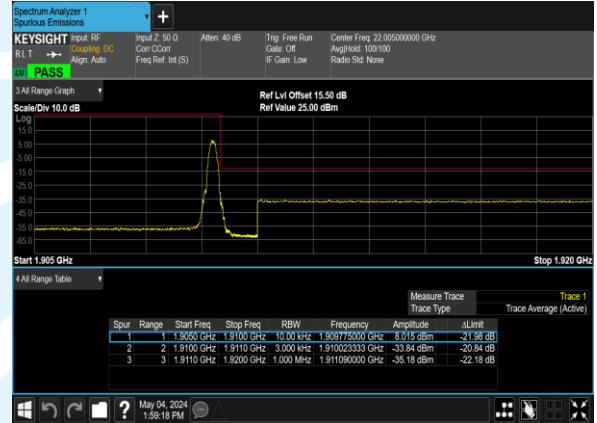
Band	Channel	Freq (MHz)	Slots	Result	Verdict
PCS 1900	512	1850.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS
GPRS 1900	810	1909.8	1 Tx	see graph	PASS
GPRS 1900	512	1850.2	1 Tx	see graph	PASS
EGPRS 1900	810	1909.8	1 Tx	see graph	PASS
EGPRS 1900	512	1850.2	1 Tx	see graph	PASS

Test Graphs

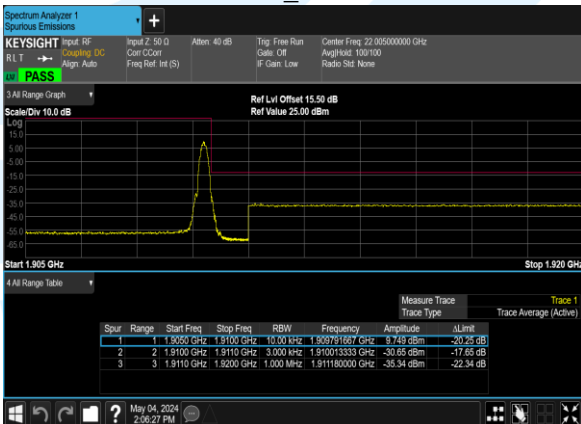
PCS1900_Channel512



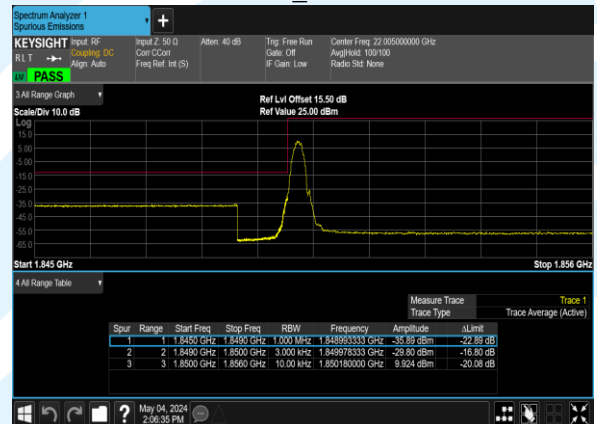
PCS1900_Channel810



GPRS1900_Channel810



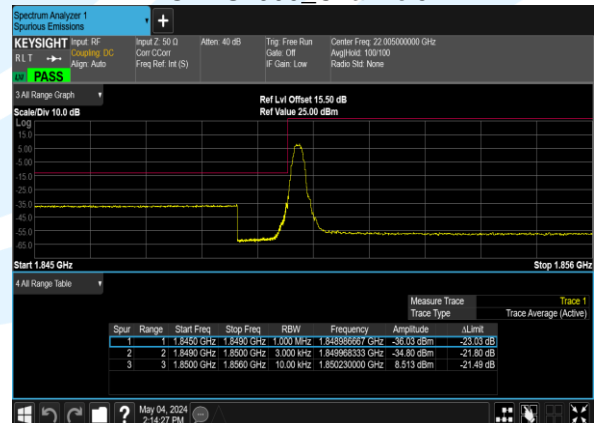
GPRS1900_Channel512



EGPRS1900_Channel810



EGPRS1900_Channel512



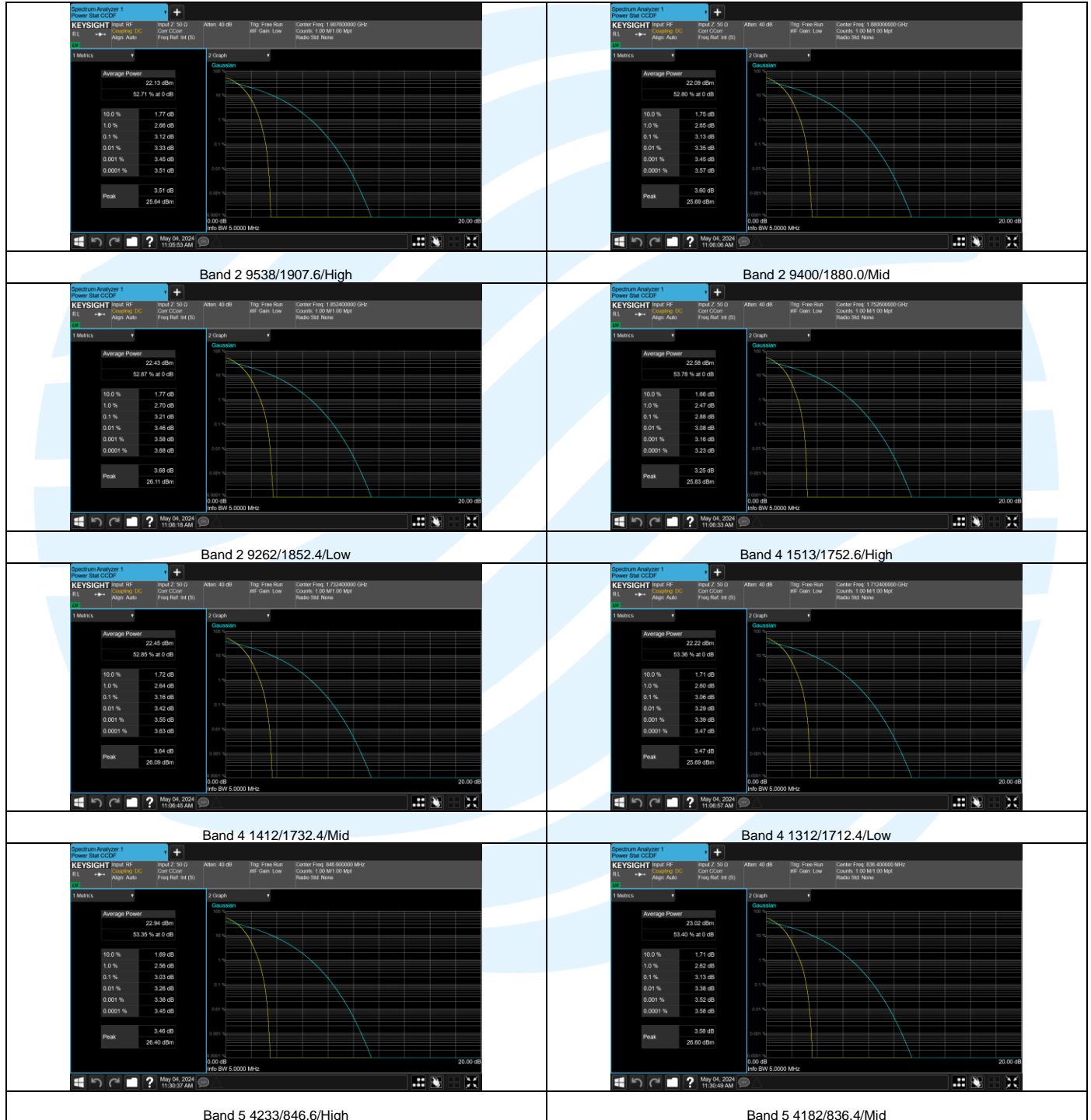
A.3 WCDMA BAND II/ BAND IV/ BAND V

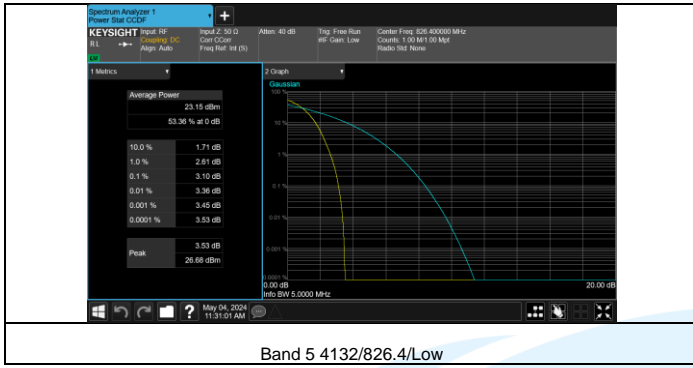
Frequency Stability

Band	Channel	Freq (MHz)	Deviation (Hz)	Deviation (ppm)	Limit(ppm)	Verdict	Environment
2	9400	1880.0	1.2	0.000639	±2.5	PASS	VL
2	9400	1880.0	0.26	0.000141	±2.5	PASS	VN
2	9400	1880.0	0.32	0.00017	±2.5	PASS	VH
2	9400	1880.0	1.37	0.000727	±2.5	PASS	-30°C
2	9400	1880.0	-0.73	-0.000388	±2.5	PASS	-20°C
2	9400	1880.0	-0.87	-0.000464	±2.5	PASS	-10°C
2	9400	1880.0	-0.96	-0.00051	±2.5	PASS	0°C
2	9400	1880.0	-0.75	-0.000399	±2.5	PASS	10°C
2	9400	1880.0	-0.28	-0.000148	±2.5	PASS	20°C
2	9400	1880.0	0.7	0.000373	±2.5	PASS	30°C
2	9400	1880.0	-0.64	-0.000342	±2.5	PASS	40°C
2	9400	1880.0	0.39	0.000205	±2.5	PASS	50°C
4	1412	1732.4	-1.73	-0.000999	±2.5	PASS	VL
4	1412	1732.4	2.35	0.001358	±2.5	PASS	VN
4	1412	1732.4	-2.21	-0.001276	±2.5	PASS	VH
4	1412	1732.4	2.89	0.001668	±2.5	PASS	-30°C
4	1412	1732.4	1.01	0.000582	±2.5	PASS	-20°C
4	1412	1732.4	-3.76	-0.002172	±2.5	PASS	-10°C
4	1412	1732.4	5.22	0.003014	±2.5	PASS	0°C
4	1412	1732.4	1.5	0.000867	±2.5	PASS	10°C
4	1412	1732.4	-3.01	-0.001738	±2.5	PASS	20°C
4	1412	1732.4	-1.92	-0.001106	±2.5	PASS	30°C
4	1412	1732.4	3.65	0.002106	±2.5	PASS	40°C
4	1412	1732.4	4.01	0.002316	±2.5	PASS	50°C
5	4182	836.4	0.32	0.000383	±2.5	PASS	VL
5	4182	836.4	0.59	0.00071	±2.5	PASS	VN
5	4182	836.4	-0.68	-0.000812	±2.5	PASS	VH
5	4182	836.4	0.74	0.000889	±2.5	PASS	-30°C
5	4182	836.4	0.5	0.000599	±2.5	PASS	-20°C
5	4182	836.4	0.32	0.000383	±2.5	PASS	-10°C
5	4182	836.4	-1.0	-0.001197	±2.5	PASS	0°C
5	4182	836.4	0.82	0.000983	±2.5	PASS	10°C
5	4182	836.4	0.42	0.000505	±2.5	PASS	20°C
5	4182	836.4	0.48	0.000573	±2.5	PASS	30°C
5	4182	836.4	-0.24	-0.000291	±2.5	PASS	40°C
5	4182	836.4	-0.53	-0.000633	±2.5	PASS	50°C

Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9538	1907.6	3.12	13	PASS
2	9400	1880.0	3.13	13	PASS
2	9262	1852.4	3.21	13	PASS
4	1513	1752.6	2.88	13	PASS
4	1412	1732.4	3.16	13	PASS
4	1312	1712.4	3.06	13	PASS
5	4233	846.6	3.03	13	PASS
5	4182	836.4	3.13	13	PASS
5	4132	826.4	3.10	13	PASS





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

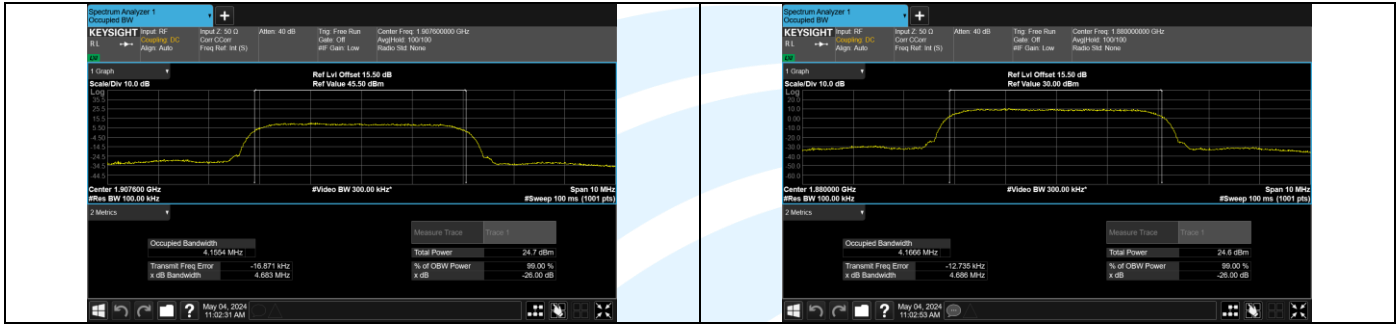
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC23G-V1.1

Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)	Verdict
2	9538	1907.6	4.1554	4.683	PASS
2	9400	1880.0	4.1666	4.686	PASS
2	9262	1852.4	4.1672	4.676	PASS
4	1513	1752.6	4.1655	4.685	PASS
4	1412	1732.4	4.1604	4.679	PASS
4	1312	1712.4	4.1642	4.678	PASS
5	4233	846.6	4.1641	4.683	PASS
5	4182	836.4	4.1594	4.681	PASS
5	4132	826.4	4.1642	4.683	PASS



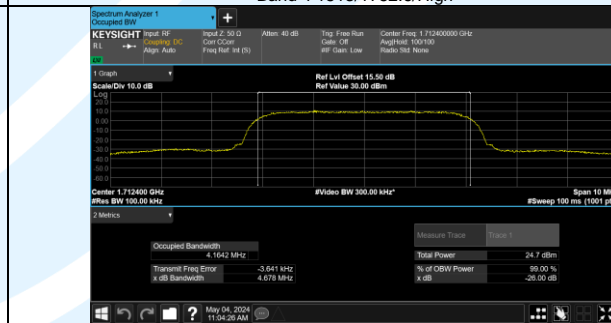
Band 2 9538/1907.6/High

Band 2 9400/1880.0/Mid



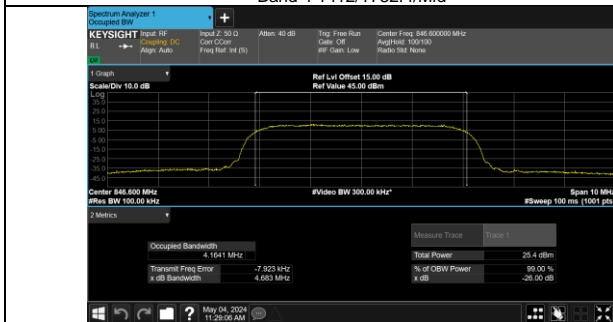
Band 2 9262/1852.4/Low

Band 4 1513/1752.6/High



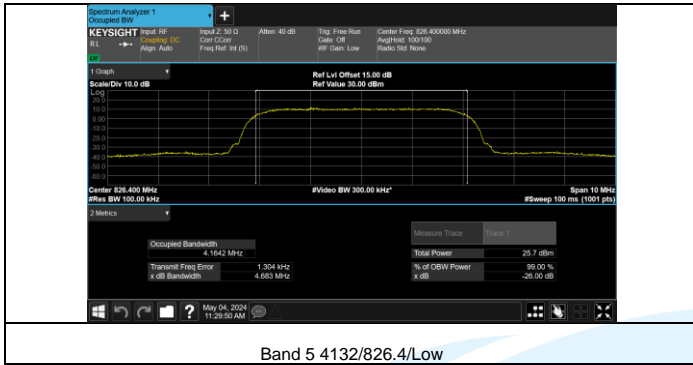
Band 4 1412/1732.4/Mid

Band 4 1312/1712.4/Low



Band 5 4233/846.6/High

Band 5 4182/836.4/Mid



Shenzhen UnionTrust Quality and Technology Co., Ltd.

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Fax: +86-755-28230886

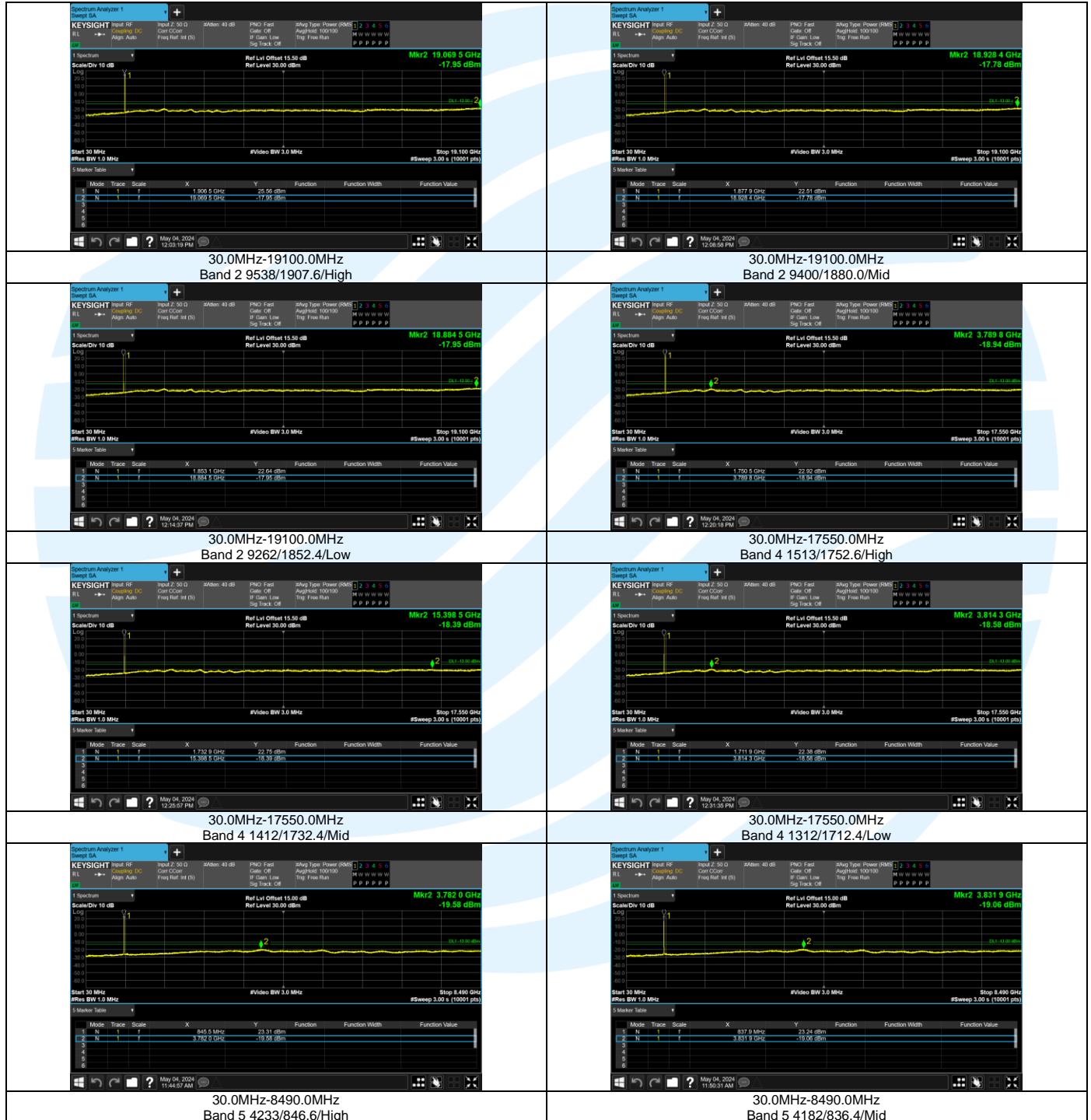
E-mail: info@uttlab.com

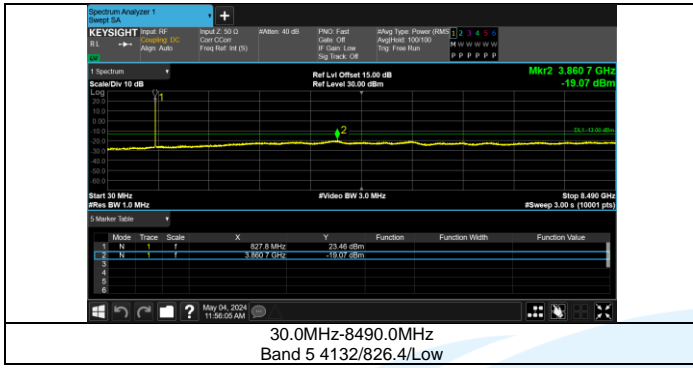
<http://www.uttlab.com>

UTTR-RF-FCC23G-V1.1

Conducted Spurious Emissions

Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
2	9538	1907.6	30.0	19100.0	-17.95	-13	PASS
2	9400	1880.0	30.0	19100.0	-17.78	-13	PASS
2	9262	1852.4	30.0	19100.0	-17.95	-13	PASS
4	1513	1752.6	30.0	17550.0	-18.94	-13	PASS
4	1412	1732.4	30.0	17550.0	-18.39	-13	PASS
4	1312	1712.4	30.0	17550.0	-18.58	-13	PASS
5	4233	846.6	30.0	8490.0	-19.58	-13	PASS
5	4182	836.4	30.0	8490.0	-19.06	-13	PASS
5	4132	826.4	30.0	8490.0	-19.07	-13	PASS





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Tel: +86-755-28230888

Fax: +86-755-28230886

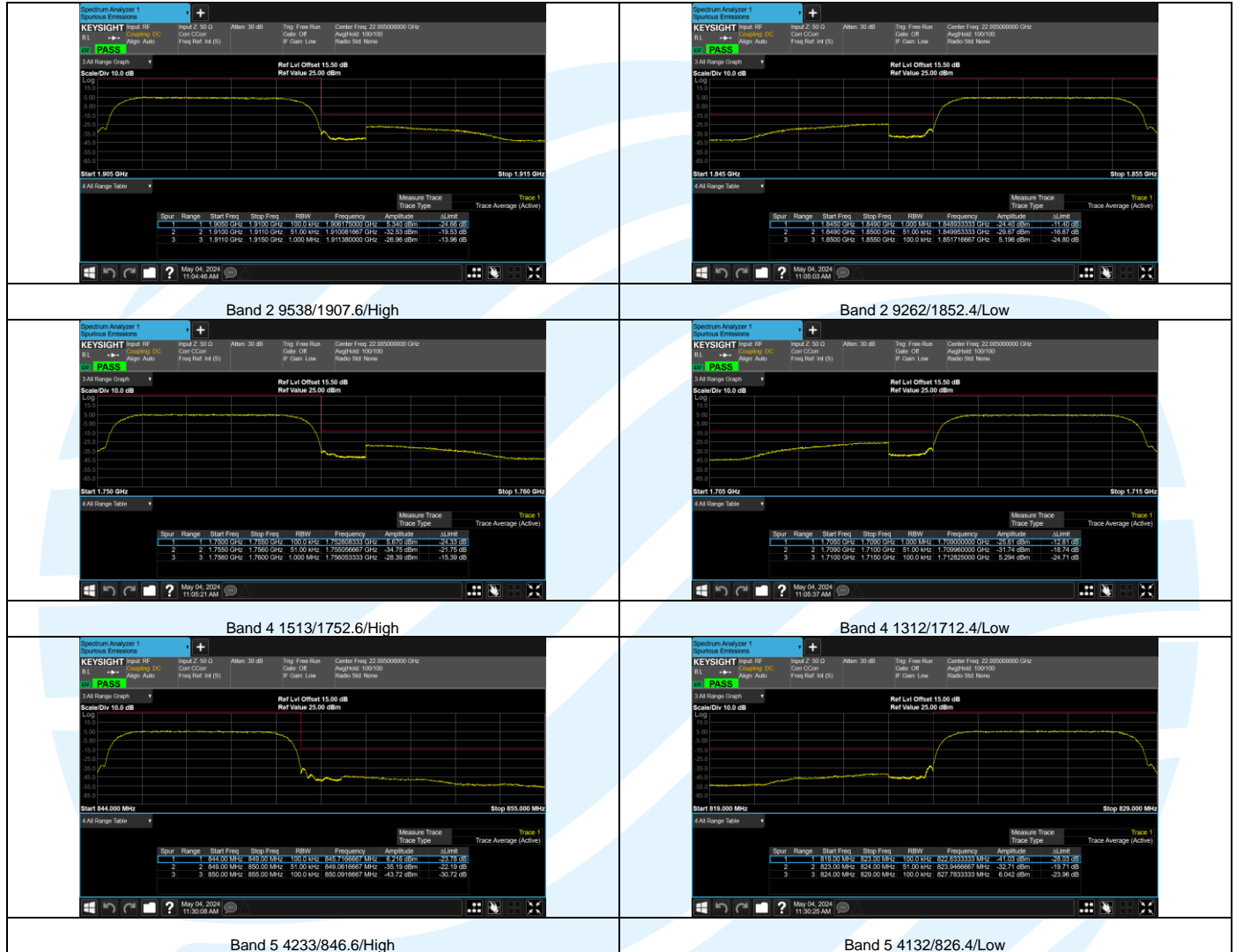
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC23G-V1.1

Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
2	9538	1907.6	see graph	PASS
2	9262	1852.4	see graph	PASS
4	1513	1752.6	see graph	PASS
4	1312	1712.4	see graph	PASS
5	4233	846.6	see graph	PASS
5	4132	826.4	see graph	PASS



APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.
