

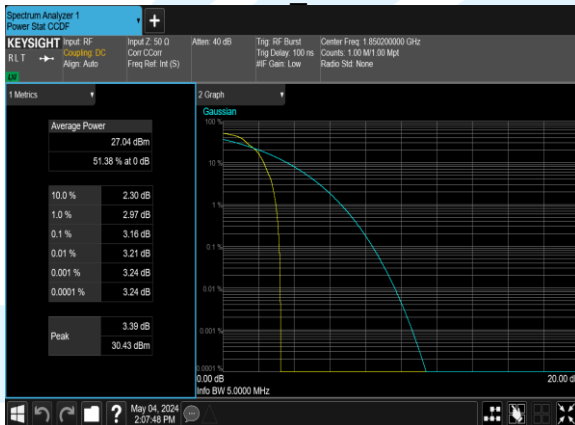
EGPRS1900 Channel661



EGPRS1900 Channel810



EGPRS1900 Channel512



Occupied Bandwidth

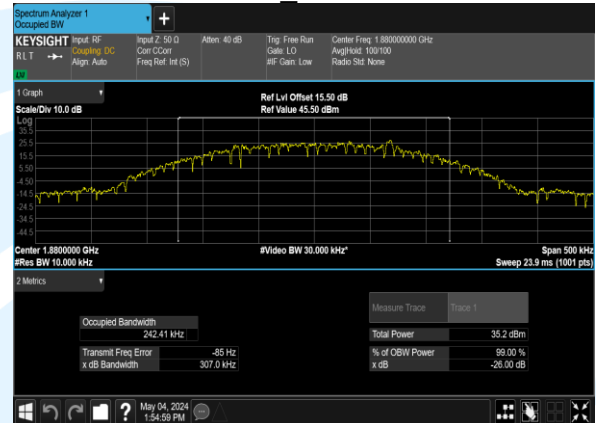
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PCS 1900	512	1850.2	1 Tx	0.24134	0.3044
PCS 1900	661	1880.0	1 Tx	0.24241	0.307
PCS 1900	810	1909.8	1 Tx	0.24311	0.3073
GPRS 1900	661	1880.0	1 Tx	0.24349	0.3143
GPRS 1900	810	1909.8	1 Tx	0.24254	0.3113
GPRS 1900	512	1850.2	1 Tx	0.24287	0.3139
EGPRS 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

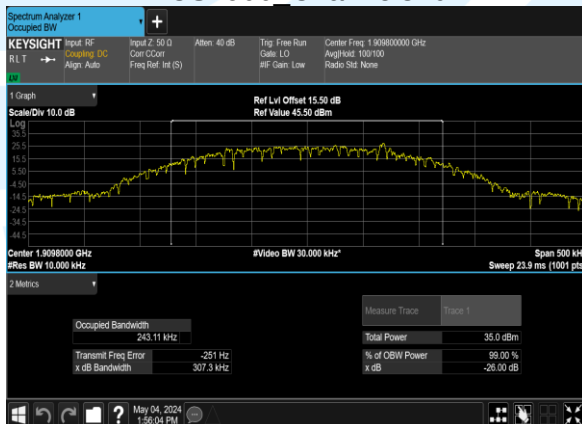
PCS1900 Channel512



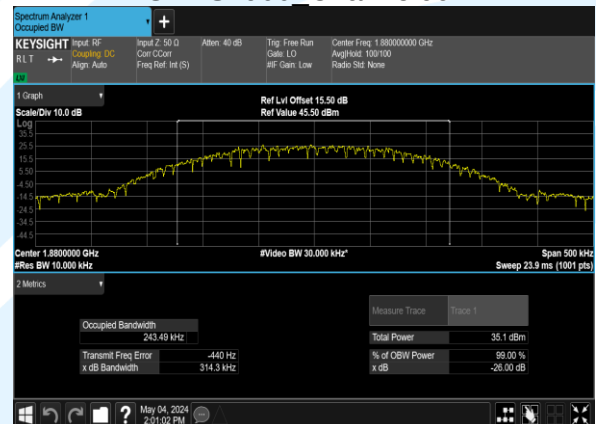
PCS1900 Channel661



PCS1900 Channel810



GPRS1900 Channel661



GPRS1900 Channel810



GPRS1900 Channel512



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EGPRS1900 Channel661



EGPRS1900 Channel810



EGPRS1900 Channel512

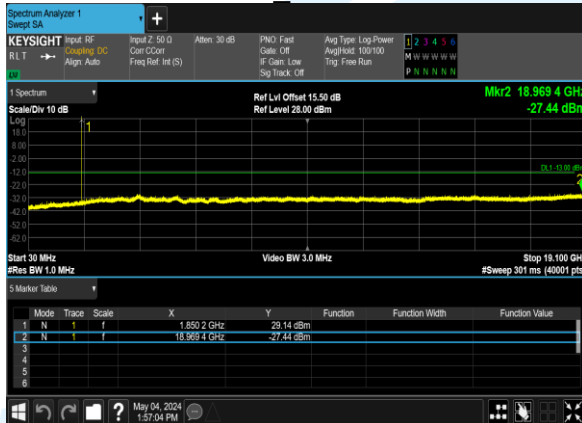


Conducted Spurious Emissions

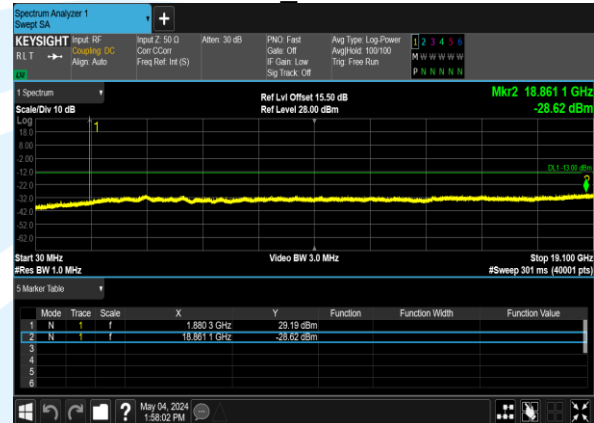
Band	Channel	Freq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
PCS 1900	512	1850.2	1 Tx	-27.44	-13	PASS
PCS 1900	661	1880.0	1 Tx	-28.62	-13	PASS
PCS 1900	810	1909.8	1 Tx	-28.54	-13	PASS
GPRS 1900	661	1880.0	1 Tx	-28.28	-13	PASS
GPRS 1900	810	1909.8	1 Tx	-28.32	-13	PASS
GPRS 1900	512	1850.2	1 Tx	-28.71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

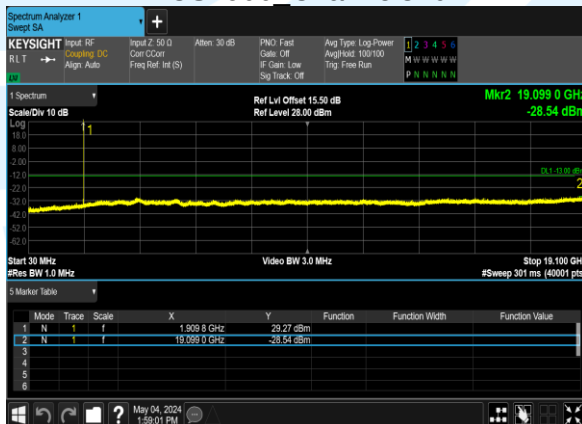
PCS1900 Channel512



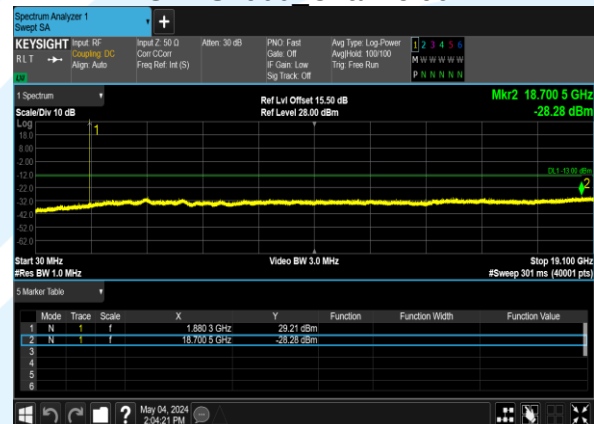
PCS1900 Channel661



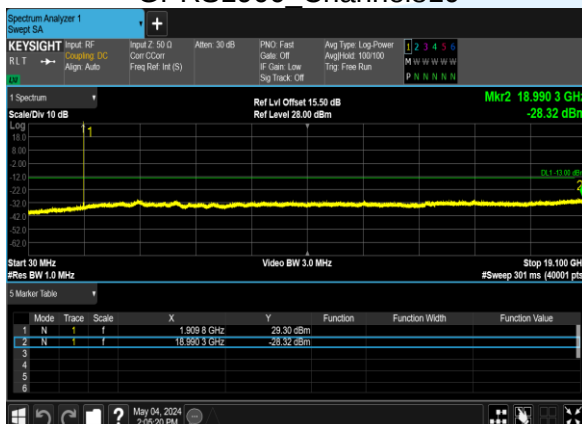
PCS1900 Channel810



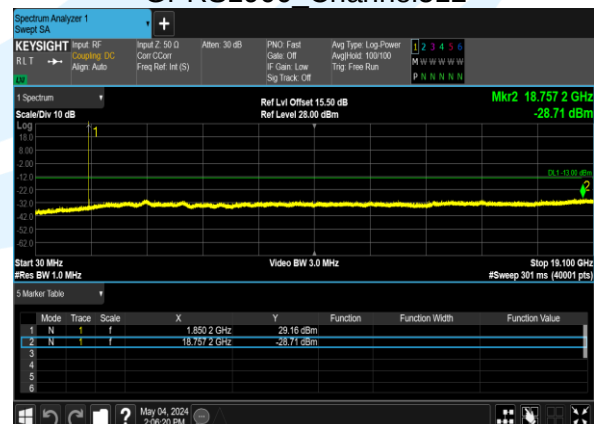
GPRS1900 Channel661



GPRS1900 Channel810



GPRS1900 Channel512



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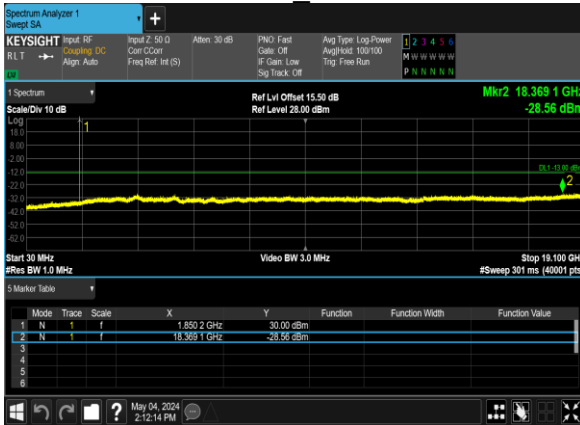
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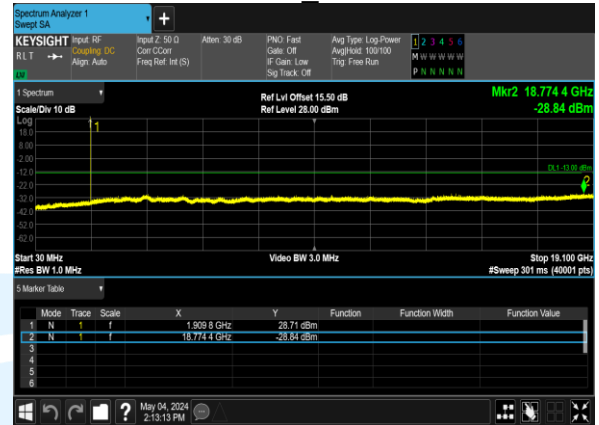
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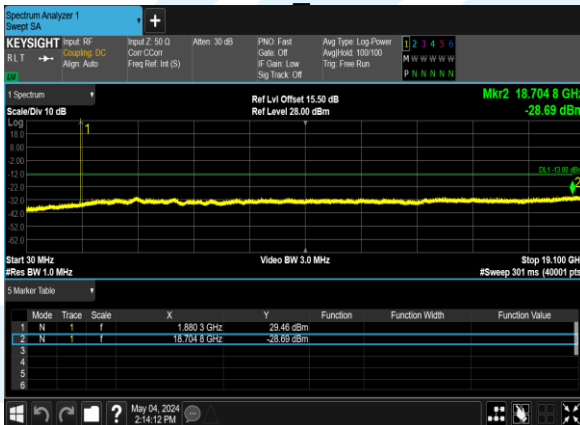
EGPRS1900 Channel512



EGPRS1900 Channel810



EGPRS1900 Channel661

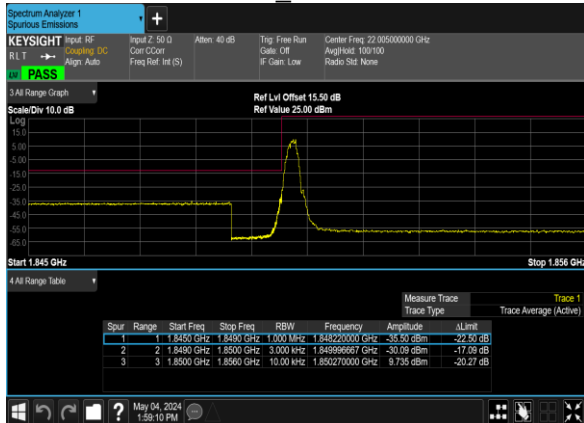


Conducted Band Edge

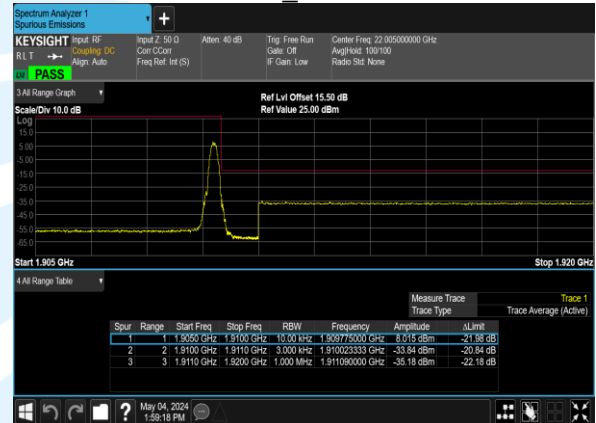
Band	Channel	Freq (MHz)	Slots	Result	Verdict
PCS 1900	512	1850.2	1 Tx	see graph	PASS
PCS 1900	810	1909.8	1 Tx	see graph	PASS
GPRS 1900	810	1909.8	1 Tx	see graph	PASS
GPRS 1900	512	1850.2	1 Tx	see graph	PASS
EGPRS 1900	810	1909.8	1 Tx	see graph	PASS
EGPRS 1900	512	1850.2	1 Tx	see graph	PASS

Test Graphs

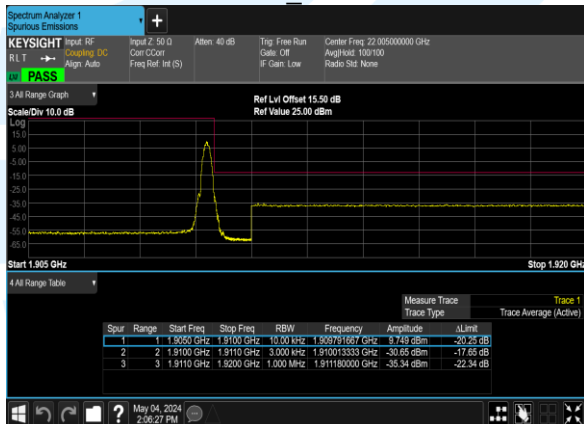
PCS1900 Channel512



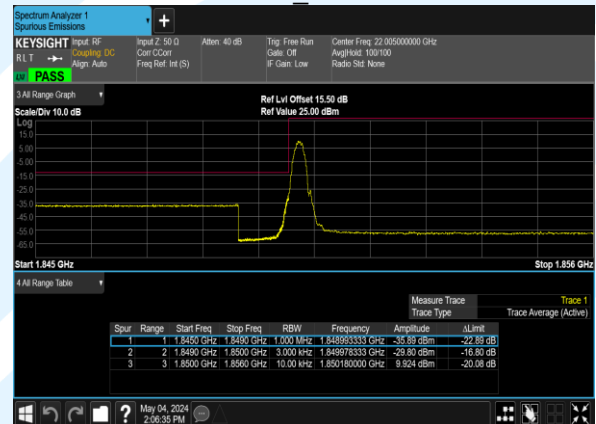
PCS1900 Channel810



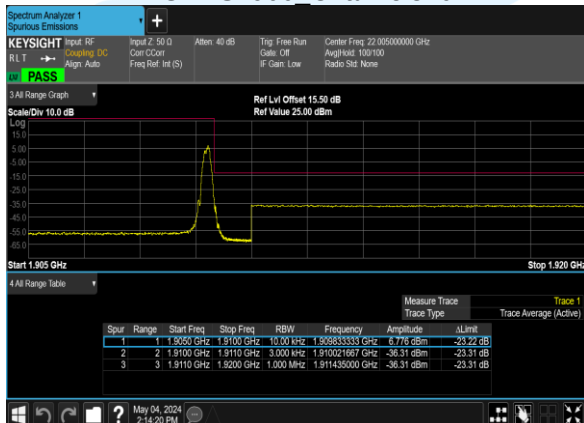
GPRS1900 Channel810



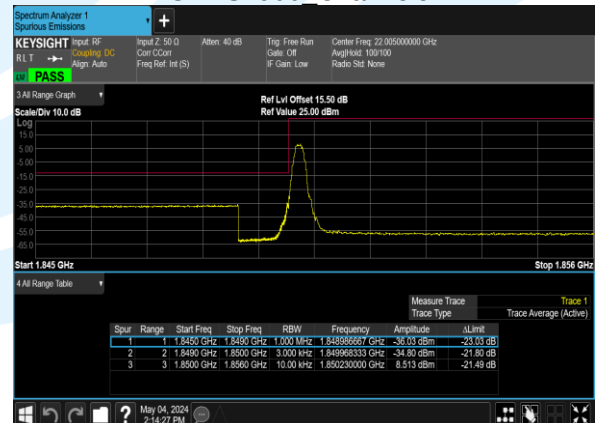
GPRS1900 Channel512



EGPRS1900 Channel810



EGPRS1900 Channel512



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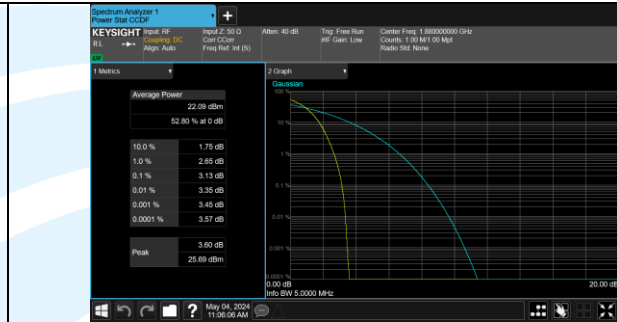
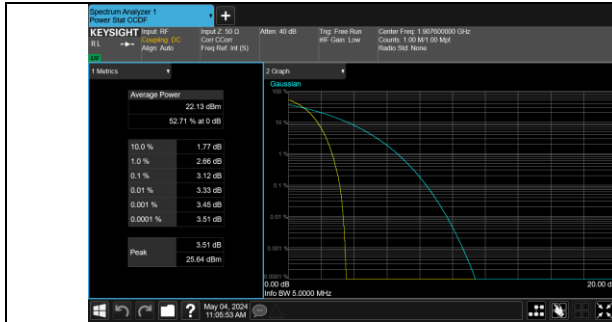
A.3 WCDMA BAND III/ BAND IV/ BAND V

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



Band 2 9538/1907.6/High

Band 2 9400/1880.0/Mid



Band 2 9262/1852.4/Low

Band 4 1513/1752.6/High



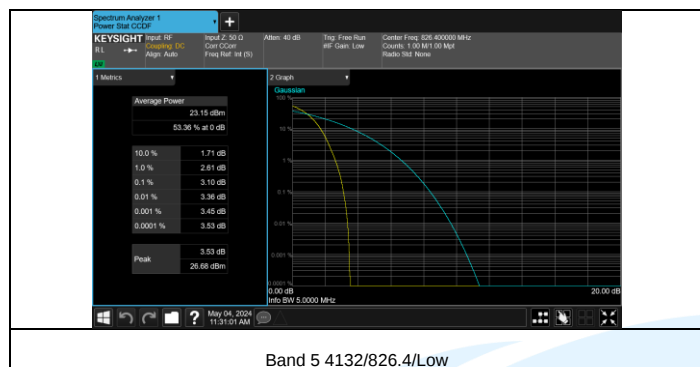
Band 4 1412/1732.4/Mid

Band 4 1312/1712.4/Low



Band 5 4233/846.6/High

Band 5 4182/836.4/Mid



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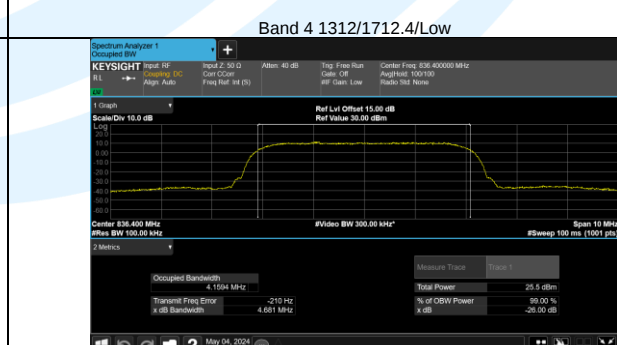
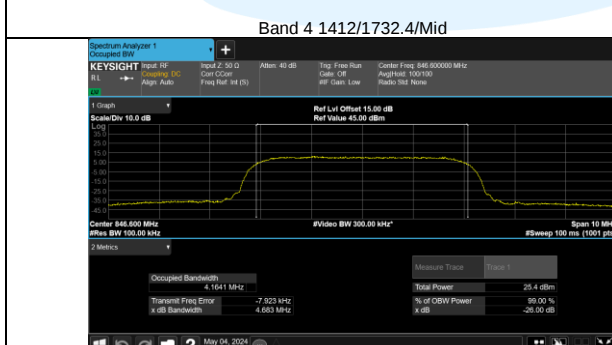
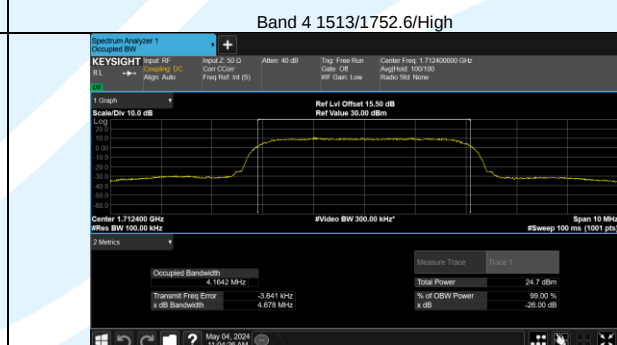
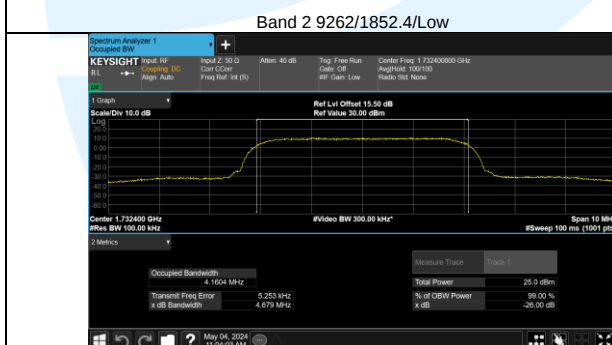
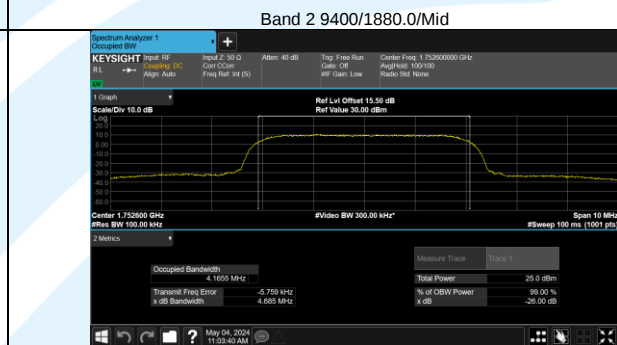
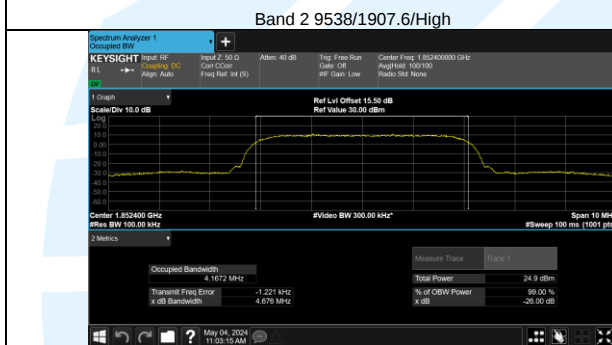
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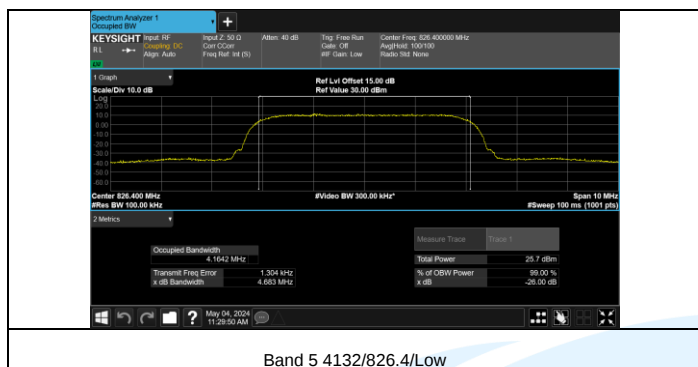
Occupied Bandwidth

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 5 4233/846.6/High

Band 5 4182/836.4/Mid



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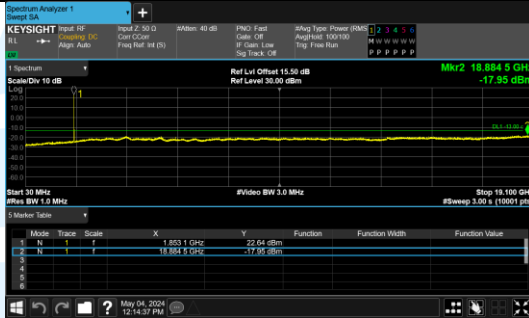
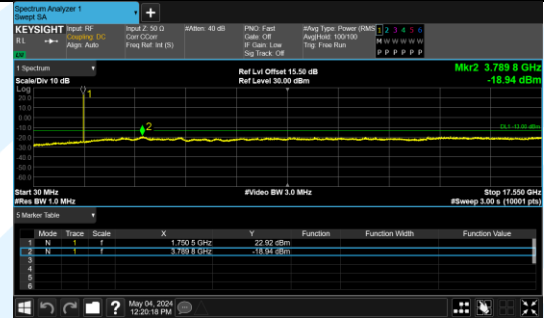
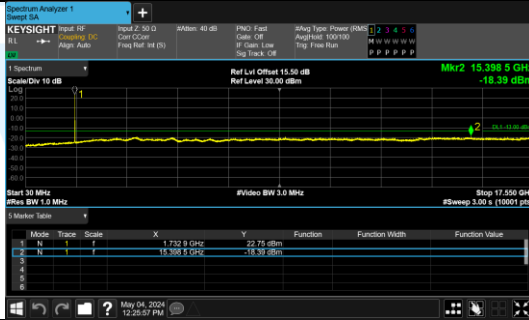
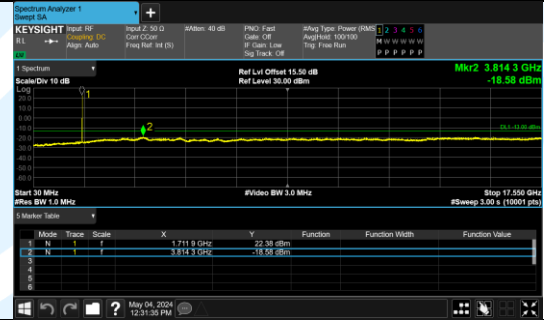
E-mail: info@uttlab.com

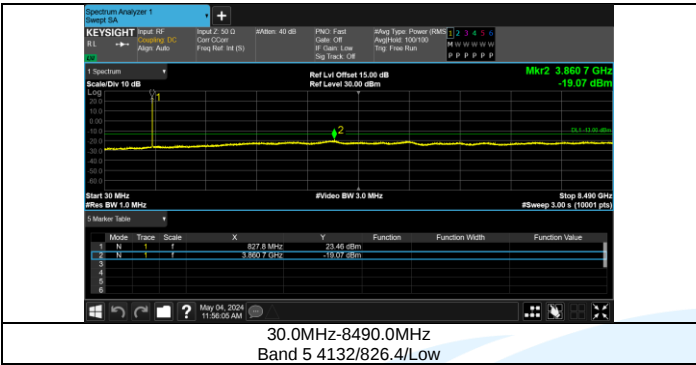
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Conducted Spurious Emissions

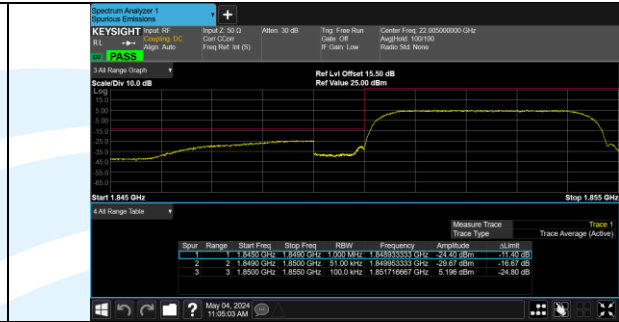
Band	Channel	Freq (MHz)	StartFreq (MHz)	StopFreq (MHz)	Result (dBm)	Limit (dBm)	Verdict
2	9538	1907.6	30.0	19100.0	-17.95	-13	PASS
2	9400	1880.0	30.0	19100.0	-17.78	-13	PASS
2	9262	1852.4	30.0	19100.0	-17.95	-13	PASS
4	1513	1752.6	30.0	17550.0	-18.94	-13	PASS
4	1412	1732.4	30.0	17550.0	-18.39	-13	PASS
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

30.0MHz-19100.0MHz
Band 2 9538/1907.6/High30.0MHz-19100.0MHz
Band 2 9400/1880.0/Mid30.0MHz-19100.0MHz
Band 2 9262/1852.4/Low30.0MHz-17550.0MHz
Band 4 1513/1752.6/High30.0MHz-17550.0MHz
Band 4 1412/1732.4/Mid30.0MHz-17550.0MHz
Band 4 1312/1712.4/Low30.0MHz-8490.0MHz
Band 5 4233/846.6/High30.0MHz-8490.0MHz
Band 5 4182/836.4/Mid



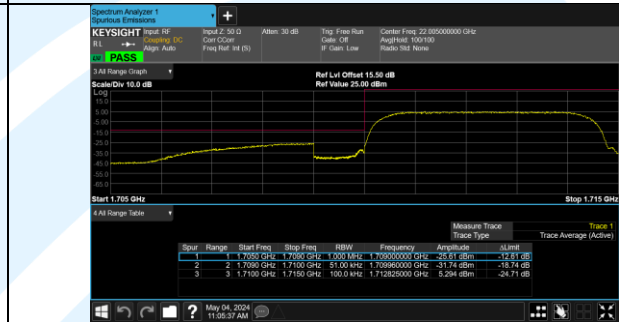
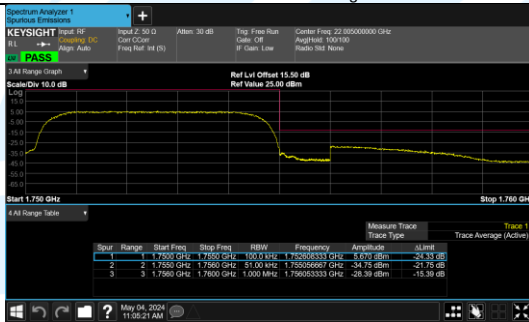
Conducted Band Edge

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



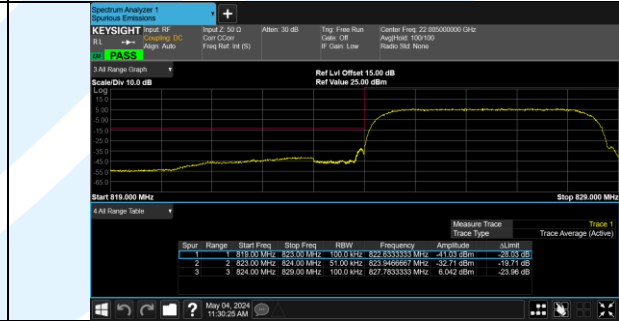
Band 2 9538/1907.6/High

Band 2 9262/1852.4/Low



Band 4 1513/1752.6/High

Band 4 1312/1712.4/Low



Band 5 4233/846.6/High

Band 5 4132/826.4/Low

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 ***

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