

Occupied Bandwidth

Band	Channel	Freq. (MHz)	OBW (MHz)	26dB BW (MHz)
GSM 850	251	848.8	0.24611	0.3149
GSM 850	128	824.2	0.24500	0.3187
GSM 850	190	836.6	0.24430	0.3175

GSM850_Channel251



GSM850_Channel128



GSM850_Channel190



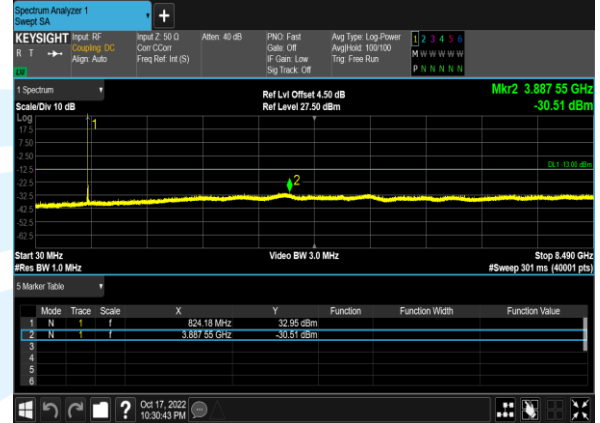
Conducted Spurious Emissions

Band	Channel	Freq (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM 850	251	848.8	-30.46	-13	PASS
GSM 850	128	824.2	-30.51	-13	PASS
GSM 850	190	836.6	-30.64	-13	PASS

GSM850_Channel251



GSM850_Channel128



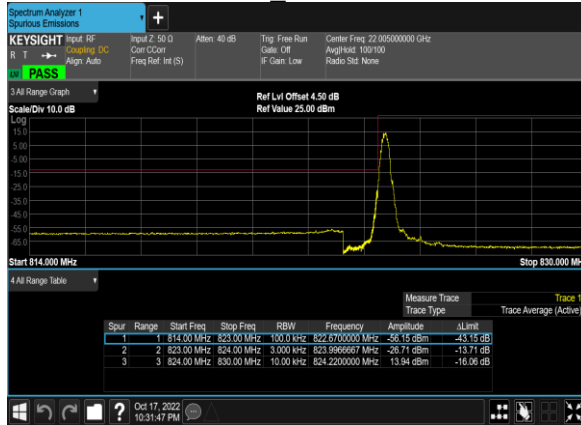
GSM850_Channel190



Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
GSM 850	128	824.2	see graph	PASS
GSM 850	251	848.8	see graph	PASS

GSM850 Channel128



GSM850 Channel251



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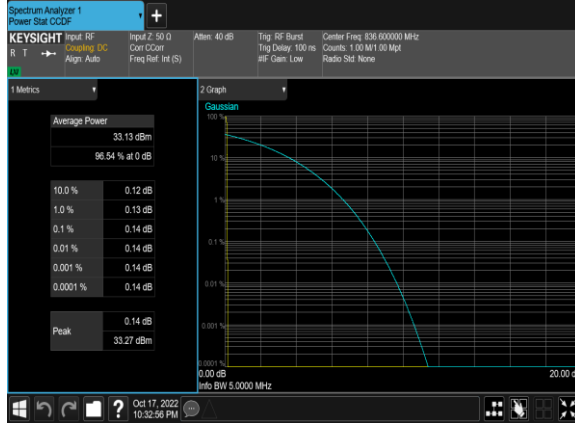
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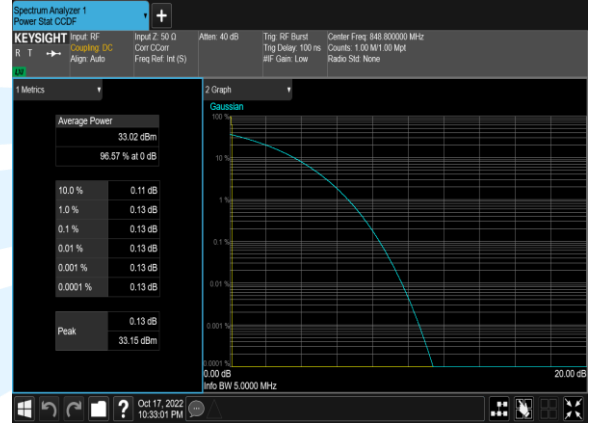
Peak to Average Ratio GPRS

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	190	836.6	1 Tx	0.14	13	PASS
GSM 850	251	848.8	1 Tx	0.13	13	PASS
GSM 850	128	824.2	1 Tx	0.14	13	PASS

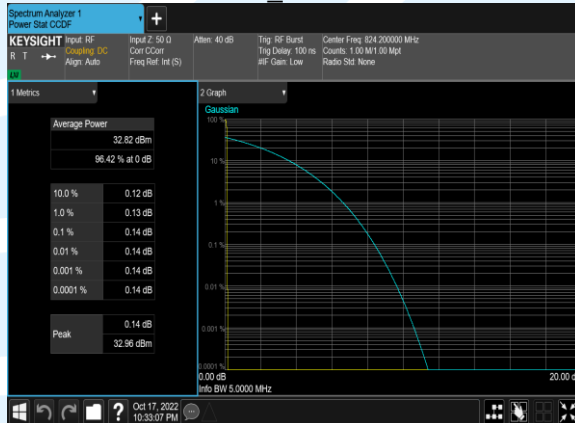
GSM850_Channel190



GSM850_Channel251



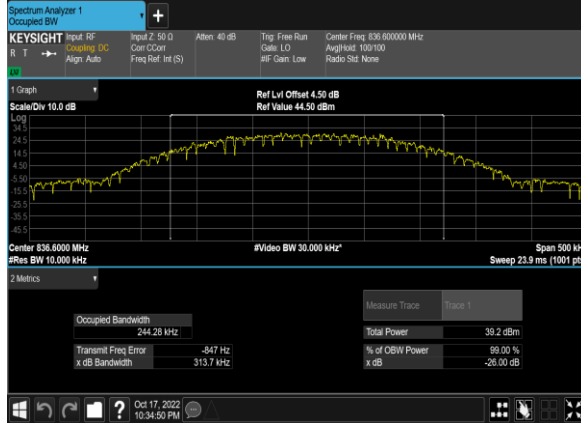
GSM850_Channel128



Occupied Bandwidth GPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)
GSM 850	190	836.6	1 Tx	0.24428	0.3137
GSM 850	251	848.8	1 Tx	0.24428	0.3213
GSM 850	128	824.2	1 Tx	0.24369	0.3231

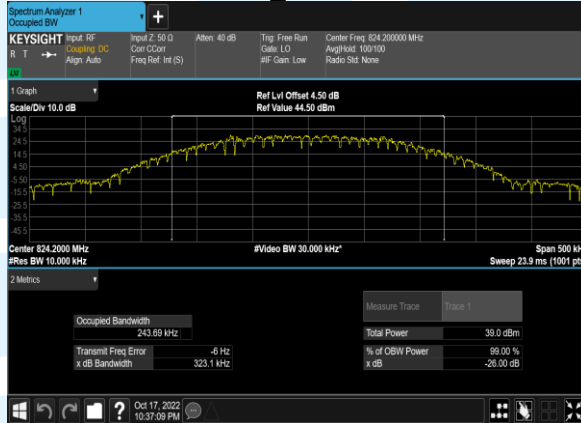
GSM850_Channel190



GSM850_Channel251



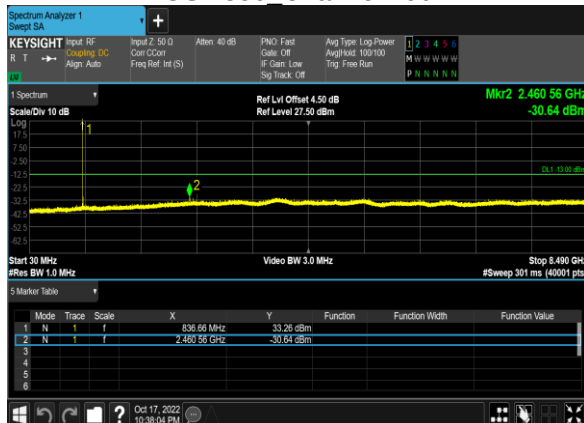
GSM850_Channel128



Conducted Spurious Emissions GPRS

Band	Channel	Freq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
GSM 850	190	836.6	1 Tx	-30.64	-13	PASS
GSM 850	251	848.8	1 Tx	-30.61	-13	PASS
GSM 850	128	824.2	1 Tx	-30.55	-13	PASS

GSM850 Channel 190



GSM850 Channel 251



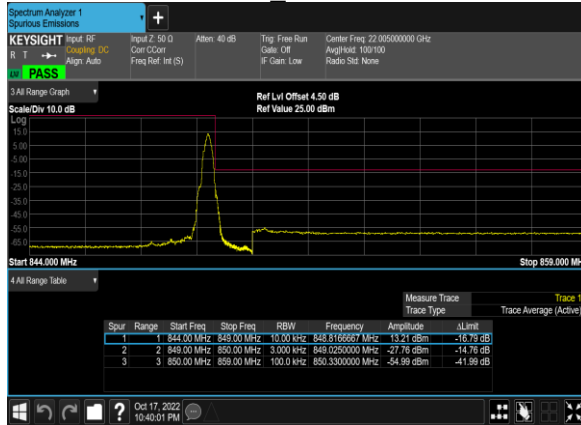
GSM850 Channel 128



Conducted Band Edge GPRS

Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	251	848.8	1 Tx	see graph	PASS
GSM 850	128	824.2	1 Tx	see graph	PASS

GSM850 Channel251



GSM850 Channel128



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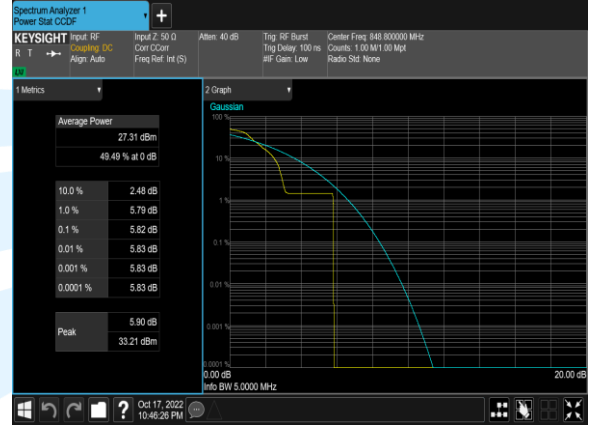
Peak to Average Ratio EGPRS

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
GSM 850	190	836.6	1 Tx	5.96	13	PASS
GSM 850	251	848.8	1 Tx	5.82	13	PASS
GSM 850	128	824.2	1 Tx	5.94	13	PASS

GSM850_Channel190



GSM850_Channel251



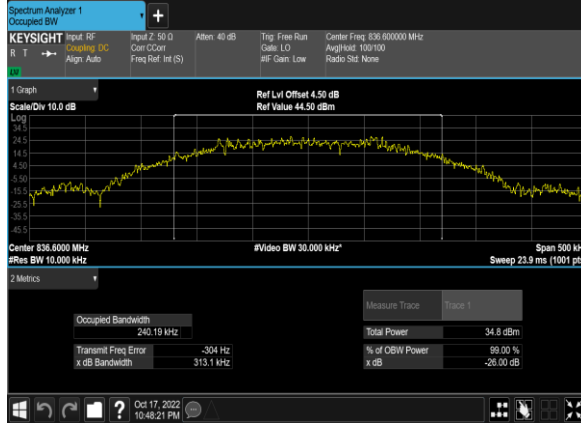
GSM850_Channel128



Occupied Bandwidth EGPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)
GSM 850	190	836.6	1 Tx	0.24019	0.3131
GSM 850	251	848.8	1 Tx	0.24437	0.3151
GSM 850	128	824.2	1 Tx	0.24512	0.3135

GSM850_Channel190



GSM850_Channel251



GSM850_Channel128



Conducted Spurious Emissions EGPRS

Band	Channel	Freq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
GSM 850	251	848.8	1 Tx	-30.66	-13	PASS
GSM 850	190	836.6	1 Tx	-30.15	-13	PASS
GSM 850	128	824.2	1 Tx	-30.57	-13	PASS

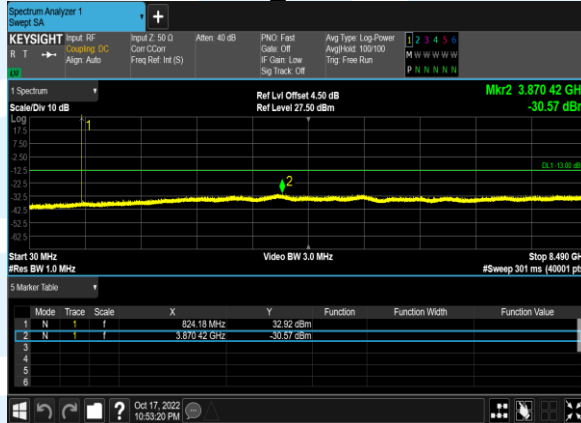
GSM850_Channel251



GSM850_Channel190



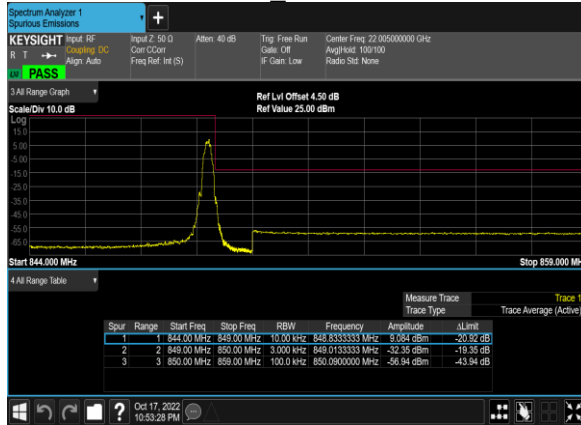
GSM850_Channel128



Conducted Band Edge EGPRS

Band	Channel	Freq (MHz)	Slots	Result	Verdict
GSM 850	251	848.8	1 Tx	see graph	PASS
GSM 850	128	824.2	1 Tx	see graph	PASS

GSM850 Channel251



GSM850 Channel128



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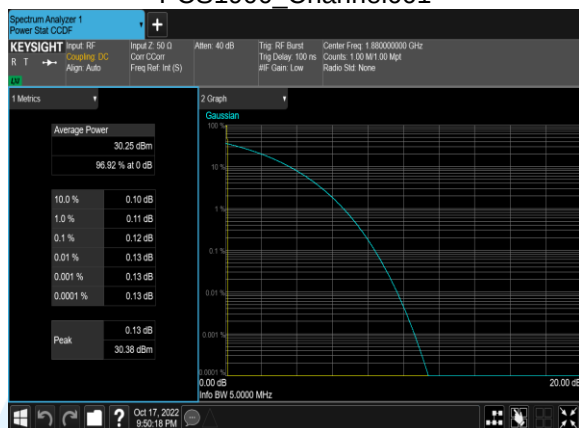
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A.2 PCS 1900

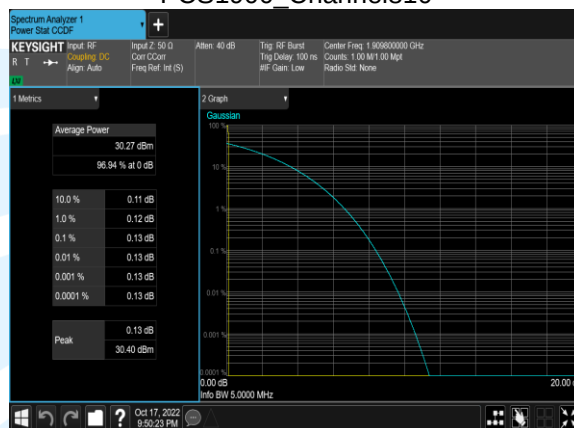
Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
PCS 1900	661	1880.0	0.12	13	PASS
PCS 1900	810	1909.8	0.13	13	PASS
PCS 1900	512	1850.2	0.12	13	PASS

PCS1900_Channel661



PCS1900_Channel810



PCS1900_Channel512



Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)
PCS 1900	810	1909.8	0.24536	0.3087
PCS 1900	512	1850.2	0.24536	0.3102
PCS 1900	661	1880.0	0.24374	0.3099

PCS1900 Channel810



PCS1900 Channel512



PCS1900 Channel661



Conducted Spurious Emissions

Band	Channel	Freq (MHz)	Result (dBm)	Limit (dBm)	Verdict
PCS 1900	810	1909.8	-29.56	-13	PASS
PCS 1900	512	1850.2	-29.62	-13	PASS
PCS 1900	661	1880.0	-29.7	-13	PASS

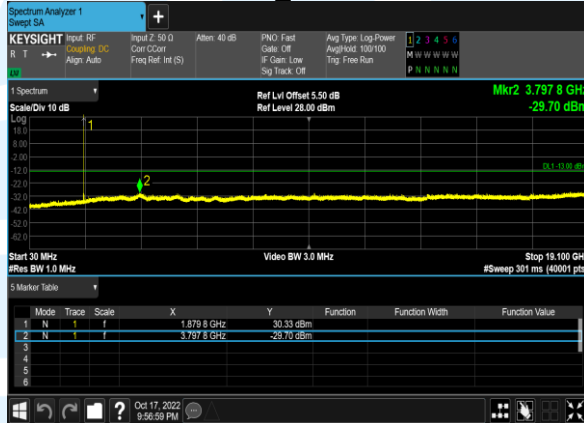
PCS1900 Channel810



PCS1900 Channel512



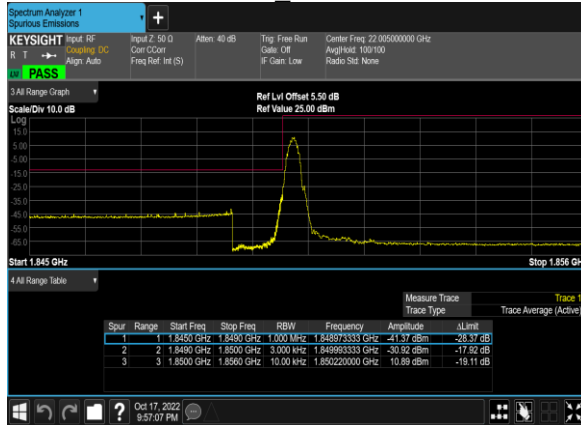
PCS1900 Channel661



Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
PCS 1900	512	1850.2	see graph	PASS
PCS 1900	810	1909.8	see graph	PASS

PCS1900 Channel512



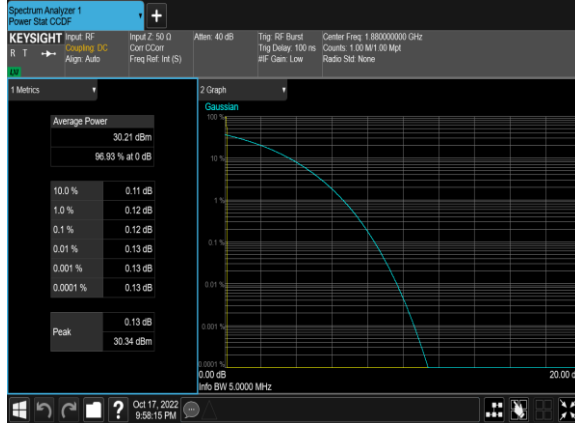
PCS1900 Channel810



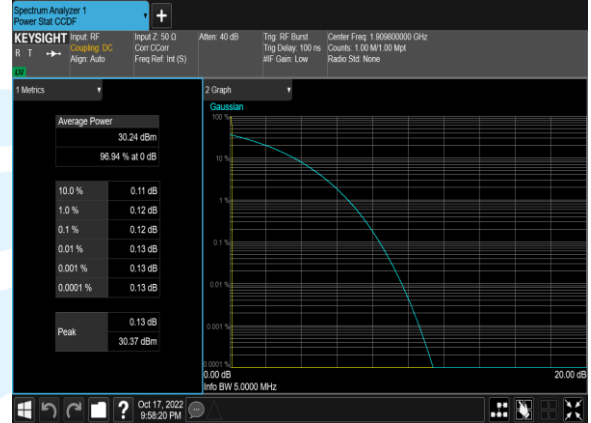
Peak to Average Ratio GPRS

Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
PCS 1900	661	1880.0	1 Tx	0.12	13	PASS
PCS 1900	810	1909.8	1 Tx	0.12	13	PASS
PCS 1900	512	1850.2	1 Tx	0.12	13	PASS

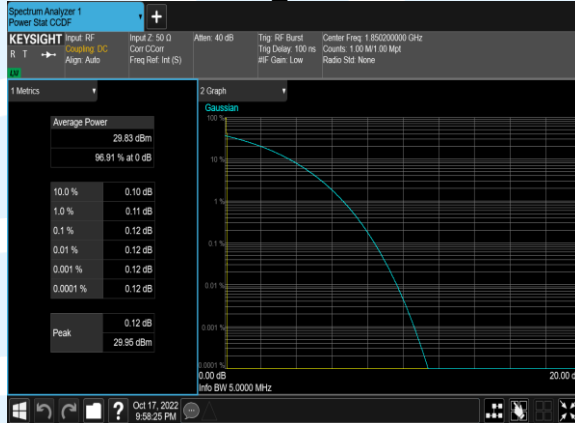
PCS1900 Channel661



PCS1900 Channel810



PCS1900 Channel512



Occupied Bandwidth GPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)
PCS 1900	661	1880.0	1 Tx	0.24416	0.3141
PCS 1900	810	1909.8	1 Tx	0.24404	0.3182
PCS 1900	512	1850.2	1 Tx	0.24381	0.3137

PCS1900 Channel661



PCS1900 Channel810



PCS1900 Channel512



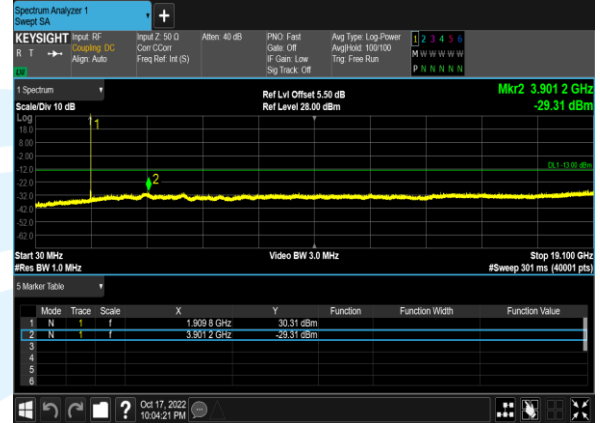
Conducted Spurious Emissions GPRS

Band	Channel	Freq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
PCS 1900	661	1880.0	1 Tx	-29.63	-13	PASS
PCS 1900	810	1909.8	1 Tx	-29.31	-13	PASS
PCS 1900	512	1850.2	1 Tx	-29.25	-13	PASS

PCS1900 Channel661



PCS1900 Channel810



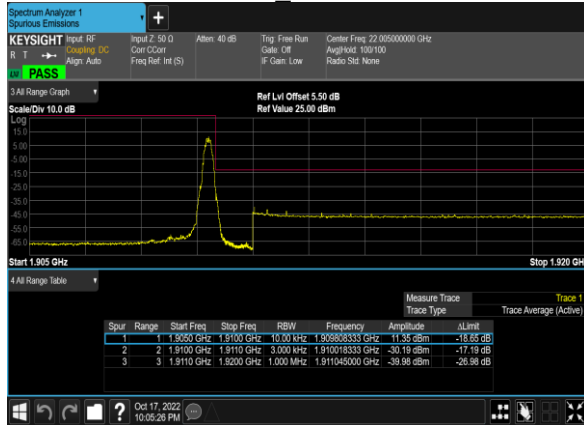
PCS1900 Channel512



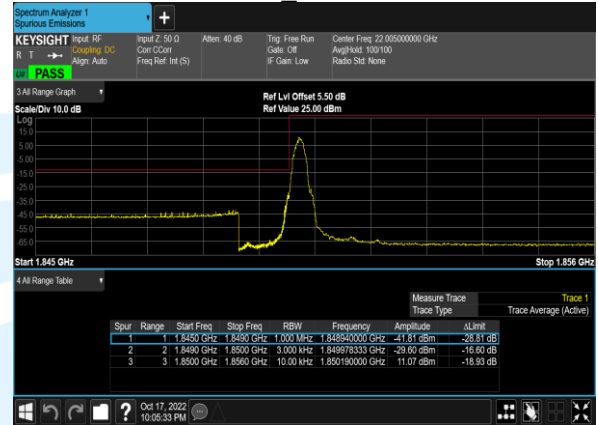
Conducted Band Edge GPRS

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

PCS1900 Channel810



PCS1900 Channel512



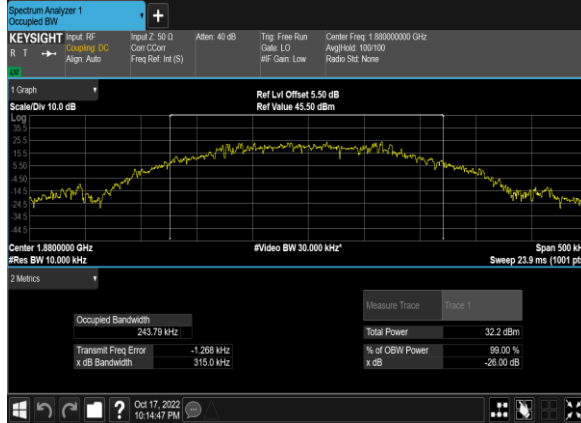
Band	Channel	Freq (MHz)	Slots	Result (dB)	Limit (dB)	Verdict
PCS 1900	661	1880.0	1 Tx	5.45	13	PASS
PCS 1900	810	1909.8	1 Tx	5.07	13	PASS
PCS 1900	512	1850.2	1 Tx	5.15	13	PASS



Occupied Bandwidth EGPRS

Band	Channel	Freq (MHz)	Slots	OBW (MHz)	26dB BW (MHz)
PCS 1900	661	1880.0	1 Tx	0.24379	0.315
PCS 1900	810	1909.8	1 Tx	0.24902	0.3094
PCS 1900	512	1850.2	1 Tx	0.23998	0.3117

PCS1900 Channel661



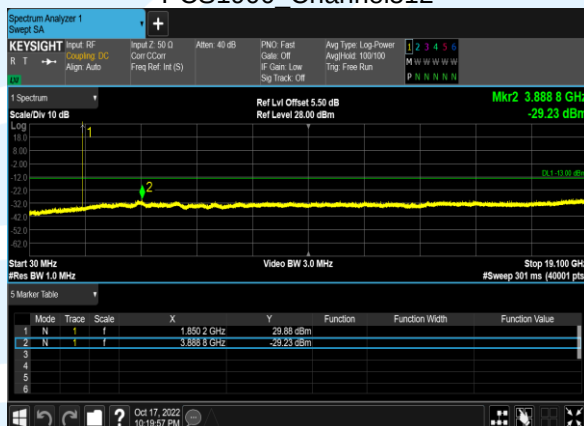
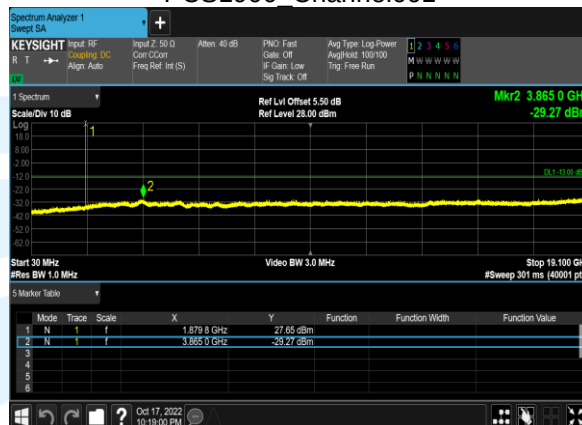
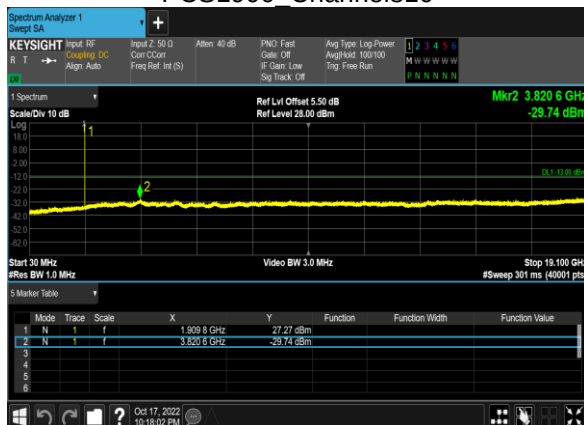
PCS1900 Channel810



PCS1900 Channel512



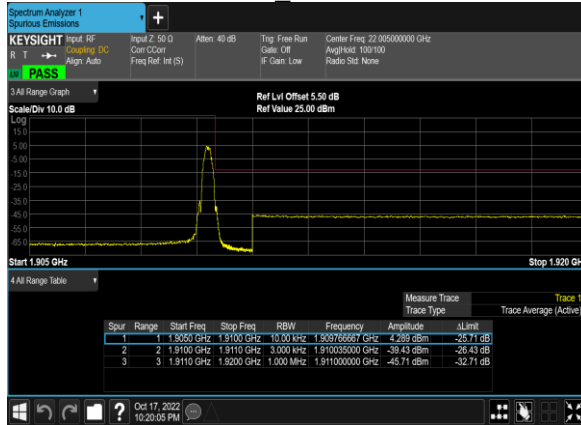
Band	Channel	Freq (MHz)	Slots	Result (dBm)	Limit (dBm)	Verdict
PCS 1900	810	1909.8	1 Tx	-29.74	-13	PASS
PCS 1900	661	1880.0	1 Tx	-29.27	-13	PASS
PCS 1900	512	1850.2	1 Tx	-29.23	-13	PASS



Conducted Band Edge EGPRS

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

PCS1900 Channel810



PCS1900 Channel512



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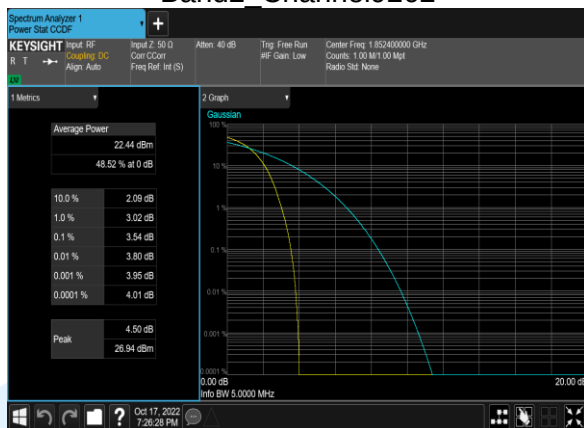
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A.3 WCDMA BAND II

Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
2	9262	1852.4	3.54	13	PASS
2	9400	1880.0	3.03	13	PASS
2	9538	1907.6	2.95	13	PASS

Band2 Channel9262



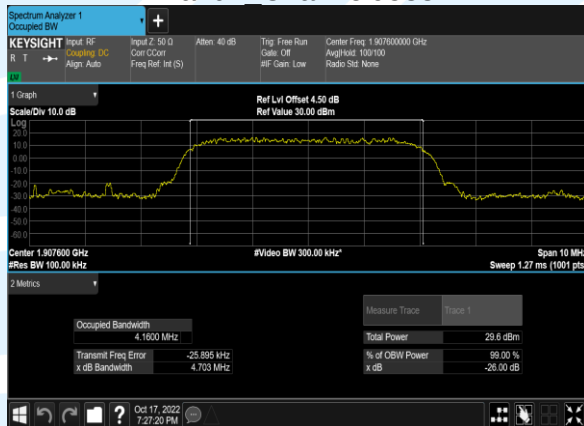
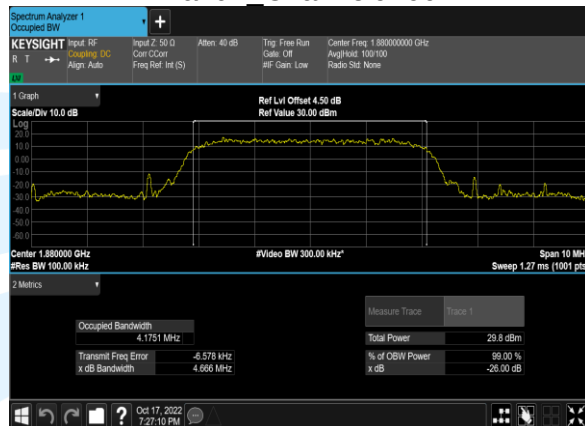
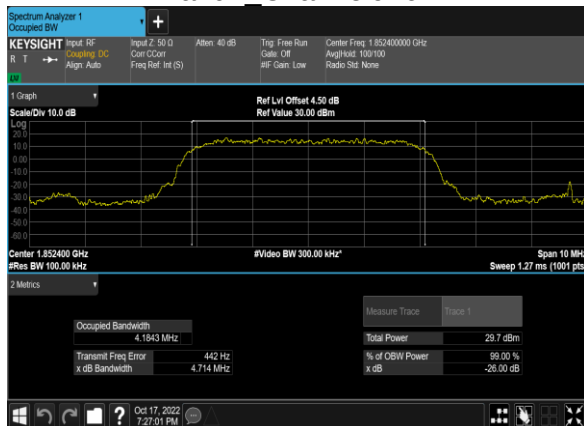
Band2 Channel9400



Band2 Channel9538



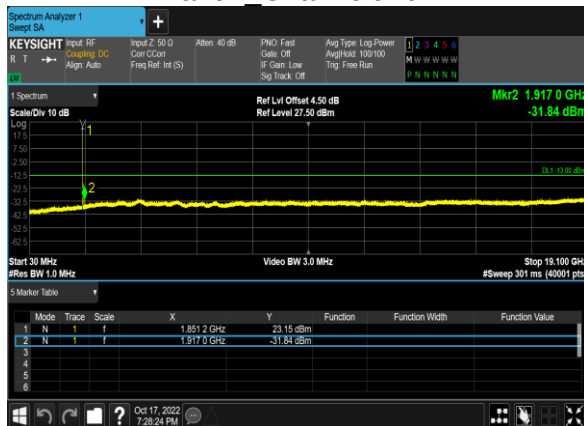
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)
2	9262	1852.4	4.1843	4.714
2	9400	1880.0	4.1751	4.666
2	9538	1907.6	4.1600	4.703



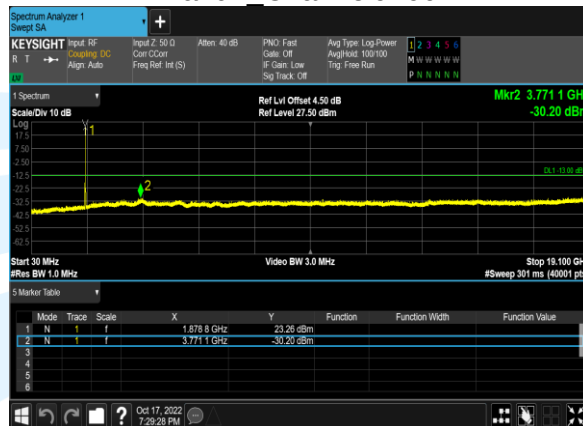
Conducted Spurious Emissions

Band	Channel	Freq (MHz)	Result (dBm)	Limit (dBm)	Verdict
2	9262	1852.4	-31.84	-13	PASS
2	9400	1880.0	-30.2	-13	PASS
2	9538	1907.6	-30.7	-13	PASS

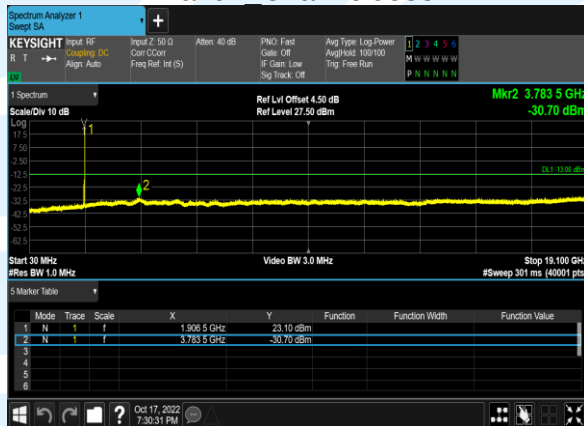
Band2 Channel9262



Band2 Channel9400



Band2 Channel9538



Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
2	9262	1852.4	see graph	PASS
2	9538	1907.6	see graph	PASS

Band2 Channel9262



Band2 Channel9538

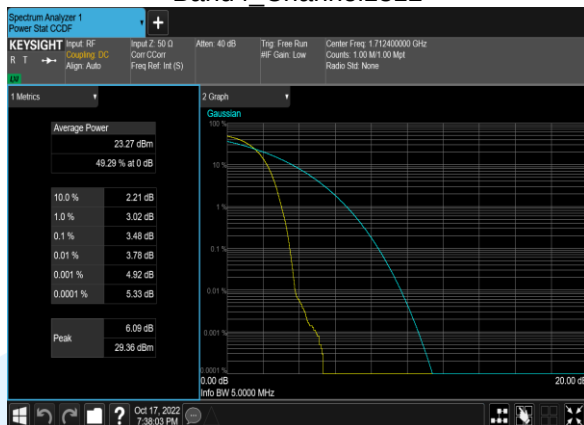


A.4 WCDMA BAND IV

Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
4	1312	1712.4	3.48	13	PASS
4	1412	1732.4	2.74	13	PASS
4	1513	1752.6	2.85	13	PASS

Band4_Channel1312



Band4_Channel1412



Band4_Channel1513



Occupied Bandwidth

Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)
4	1312	1712.4	4.1839	4.723
4	1412	1732.4	4.1779	4.722
4	1513	1752.6	4.1657	4.741

Band4_Channel1312



Band4_Channel1412



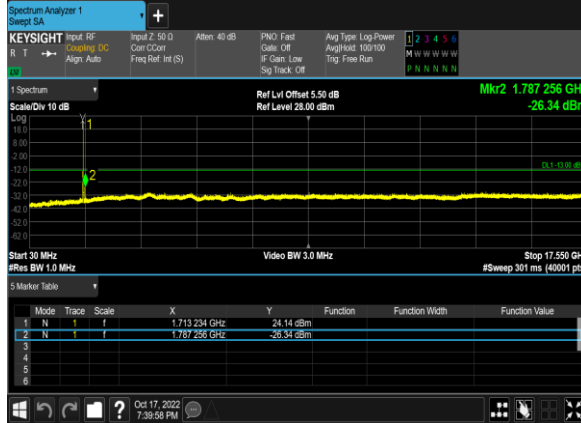
Band4_Channel1513



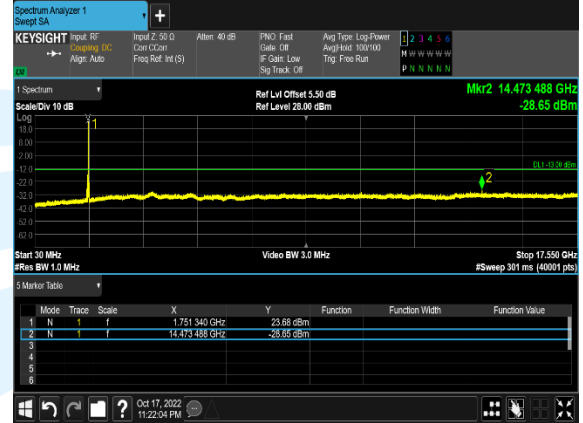
Conducted Spurious Emissions

Band	Channel	Freq (MHz)	Result (dBm)	Limit (dBm)	Verdict
4	1312	1712.4	-26.34	-13	PASS
4	1412	1732.4	-28.65	-13	PASS
4	1513	1752.6	-28.13	-13	PASS

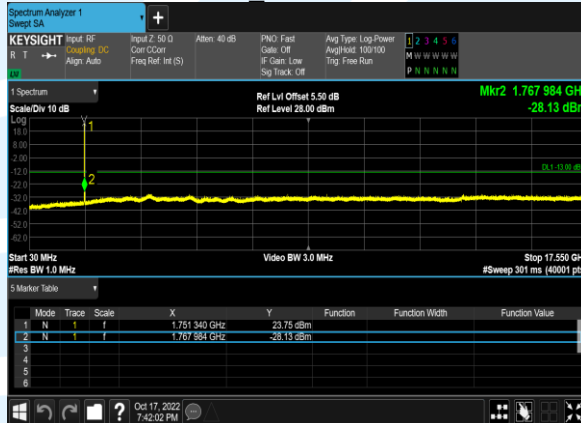
Band4_Channel1312



Band4_Channel1412



Band4_Channel1513



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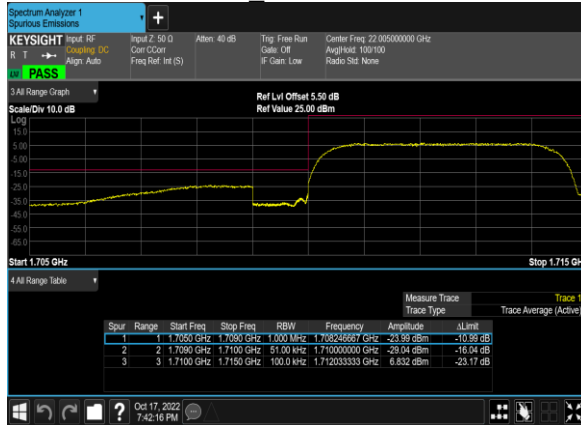
<http://www.uttlab.com>

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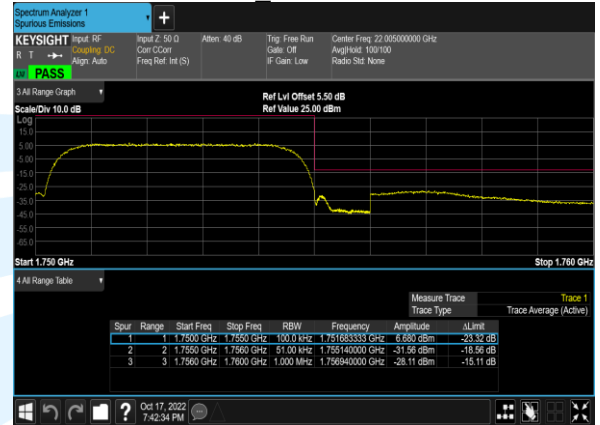
Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
4	1312	1712.4	see graph	PASS
4	1513	1752.6	see graph	PASS

Band4 Channel1312



Band4 Channel1513



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A.5 WCDMA BAND V

Peak to Average Ratio

Band	Channel	Freq (MHz)	Result (dB)	Limit (dB)	Verdict
5	4132	826.4	3.20	13	PASS
5	4182	836.4	2.91	13	PASS
5	4233	846.6	2.63	13	PASS

Band5 Channel4132



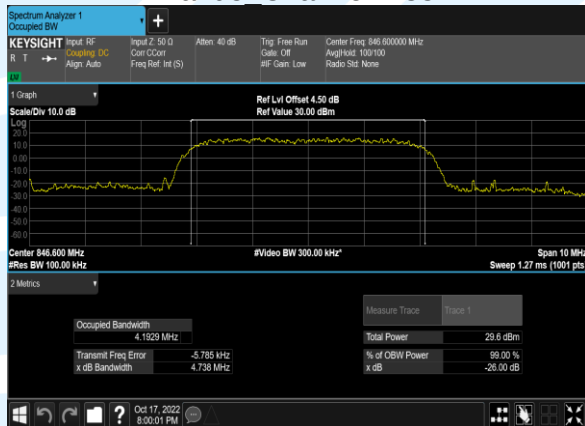
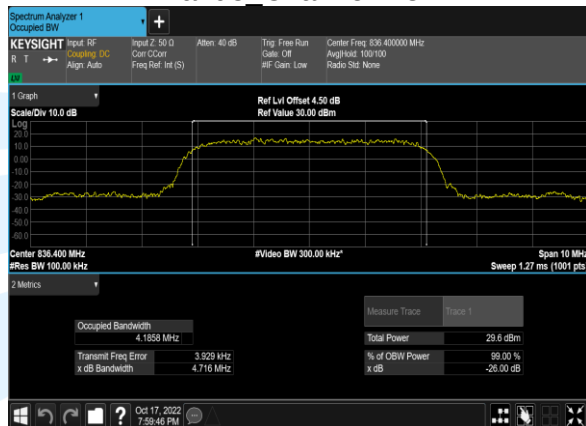
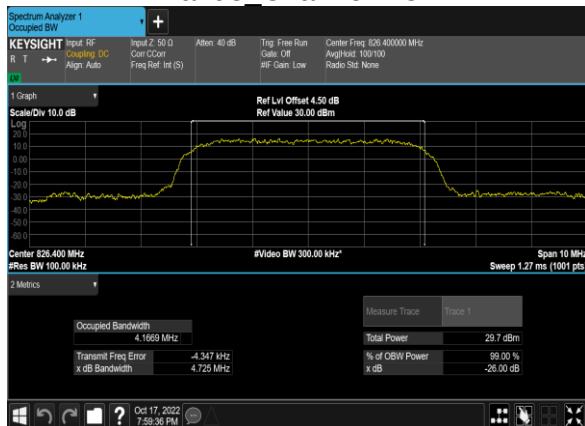
Band5 Channel4182



Band5 Channel4233



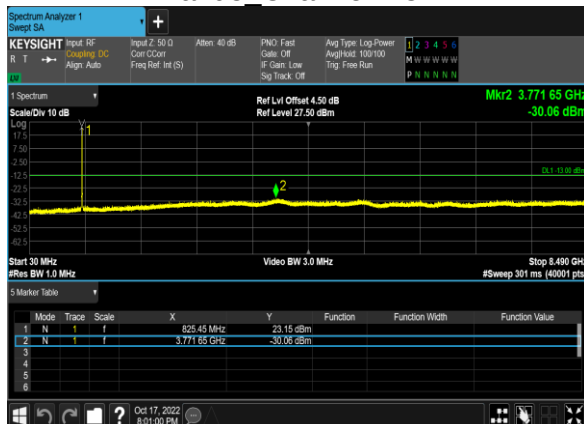
Band	Channel	Freq (MHz)	OBW (MHz)	26dB BW (MHz)
5	4132	826.4	4.1669	4.725
5	4182	836.4	4.1858	4.716
5	4233	846.6	4.1929	4.738



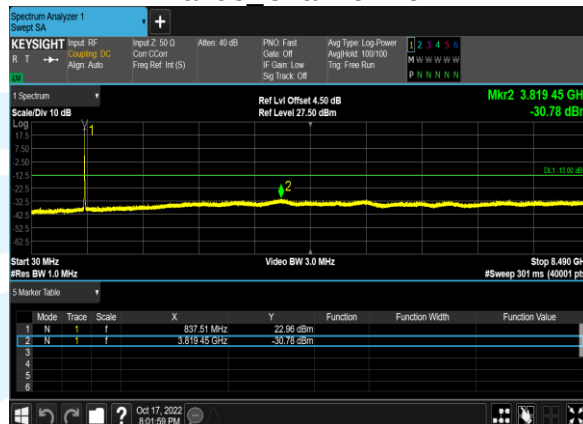
Conducted Spurious Emissions

Band	Channel	Freq (MHz)	Result (dBm)	Limit (dBm)	Verdict
5	4132	826.4	-30.06	-13	PASS
5	4182	836.4	-30.78	-13	PASS
5	4233	846.6	-30.35	-13	PASS

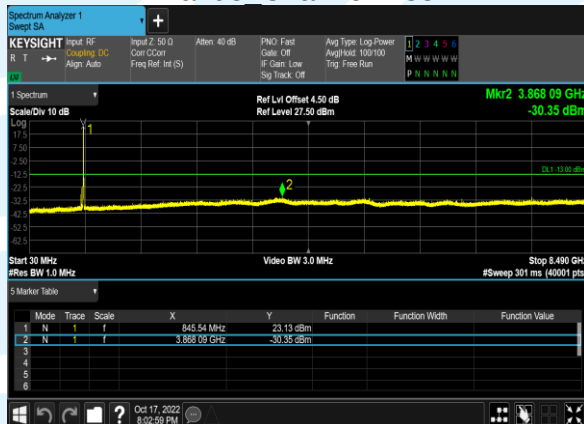
Band5 Channel4132



Band5 Channel4182



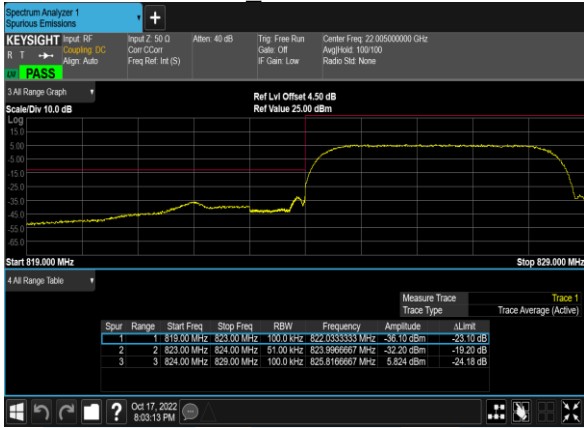
Band5 Channel4233



Conducted Band Edge

Band	Channel	Freq (MHz)	Result	Verdict
5	4132	826.4	see graph	PASS
5	4233	846.6	see graph	PASS

Band5 Channel4132



Band5 Channel4233



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.
