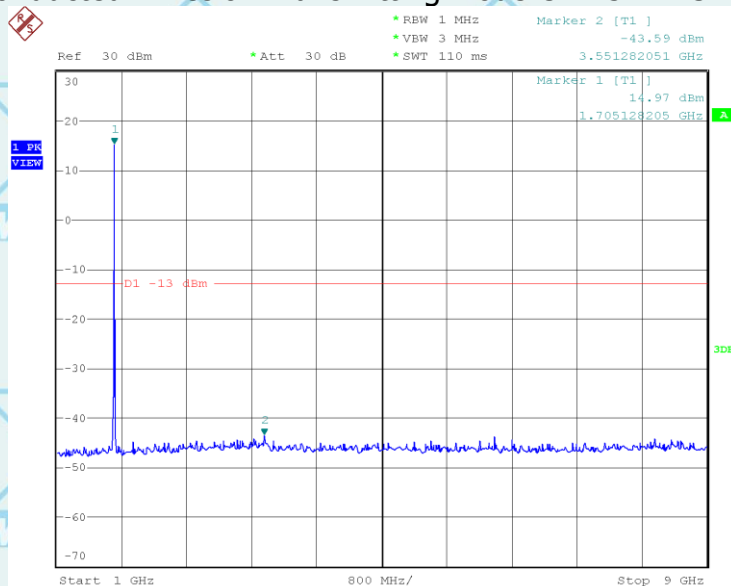


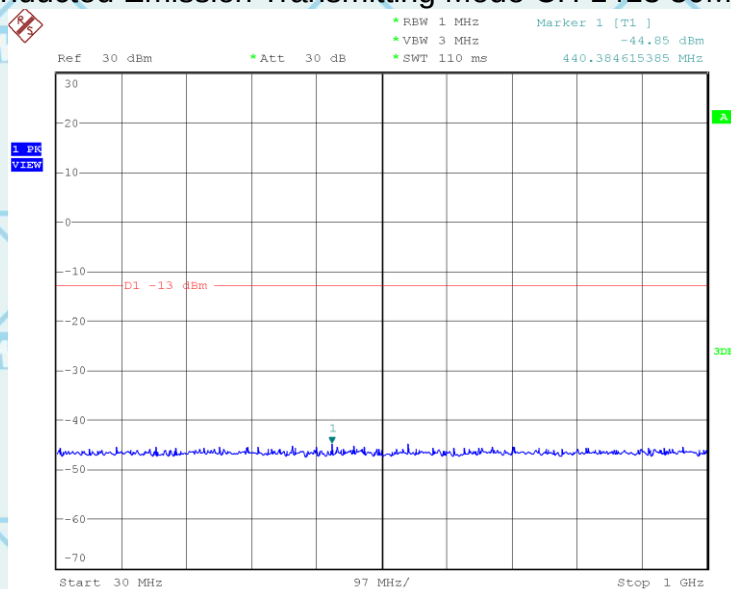


Conducted Emission Transmitting Mode CH 1312 1GHz – 20GHz



Date: 19.JUL.2024 16:15:22

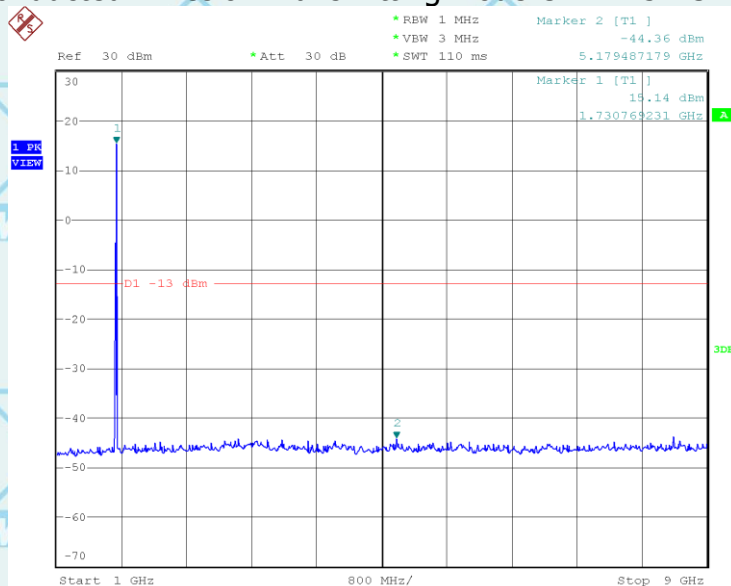
Conducted Emission Transmitting Mode CH 1413 30MHz – 1GHz



Date: 19.JUL.2024 16:13:10

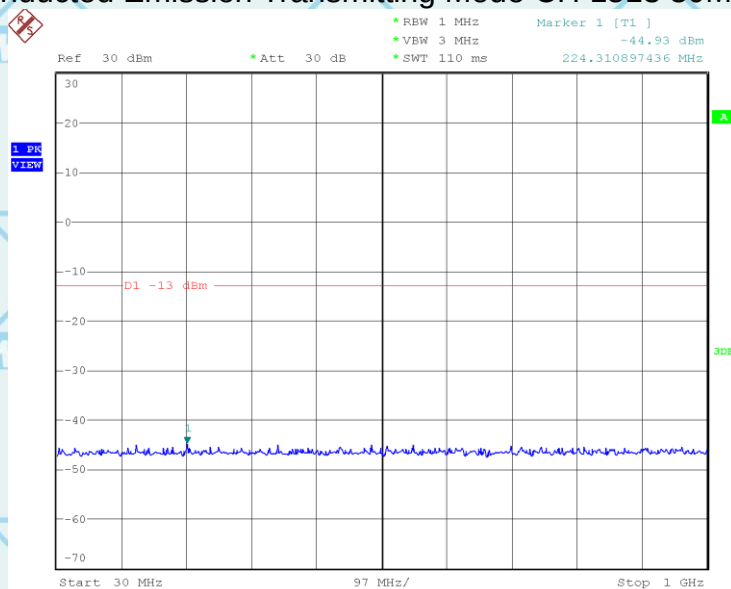


Conducted Emission Transmitting Mode CH 1413 1GHz – 20GHz



Date: 19.JUL.2024 16:15:53

Conducted Emission Transmitting Mode CH 1513 30MHz – 1GHz

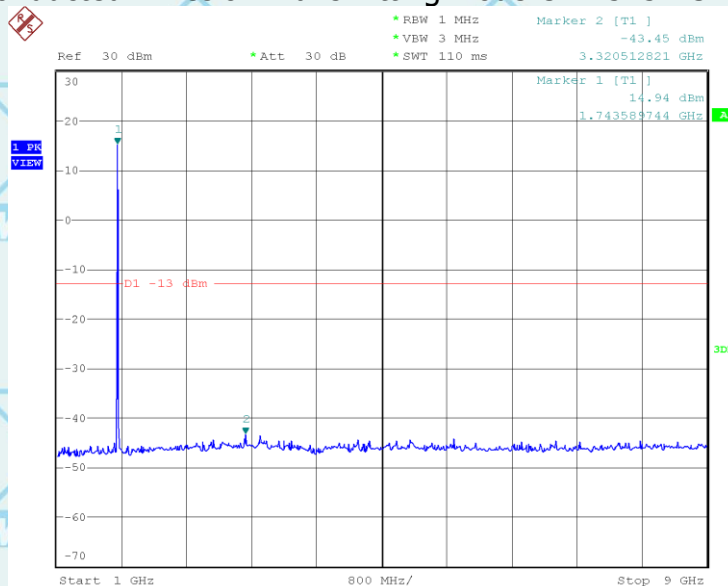


Date: 19.JUL.2024 16:12:31



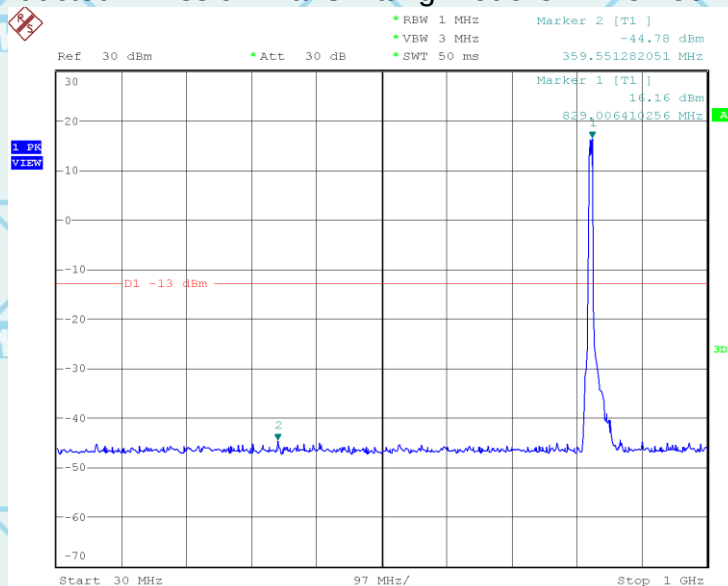


Conducted Emission Transmitting Mode CH 1513 1GHz – 20GHz



Date: 19.JUL.2024 16:16:35

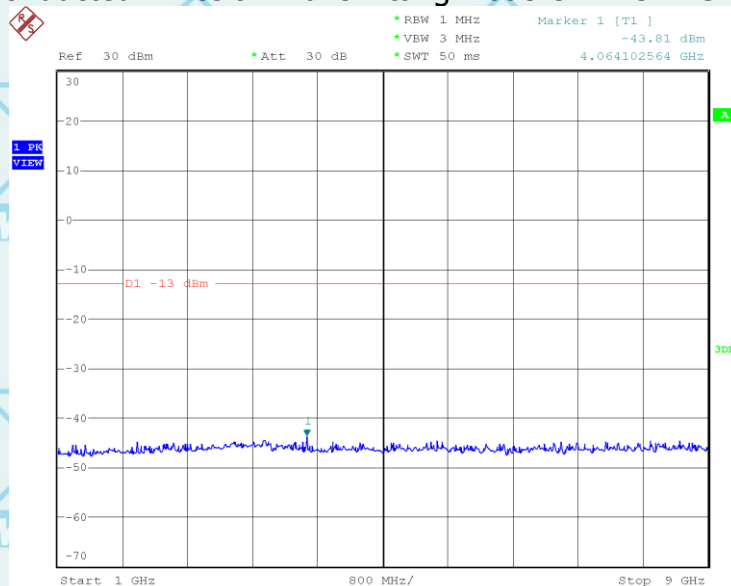
CONDUCTED EMISSION IN WCDMA Band 5 Conducted Emission Transmitting Mode CH 4132 30MHz – 1GHz



Date: 19.JUL.2024 16:10:51

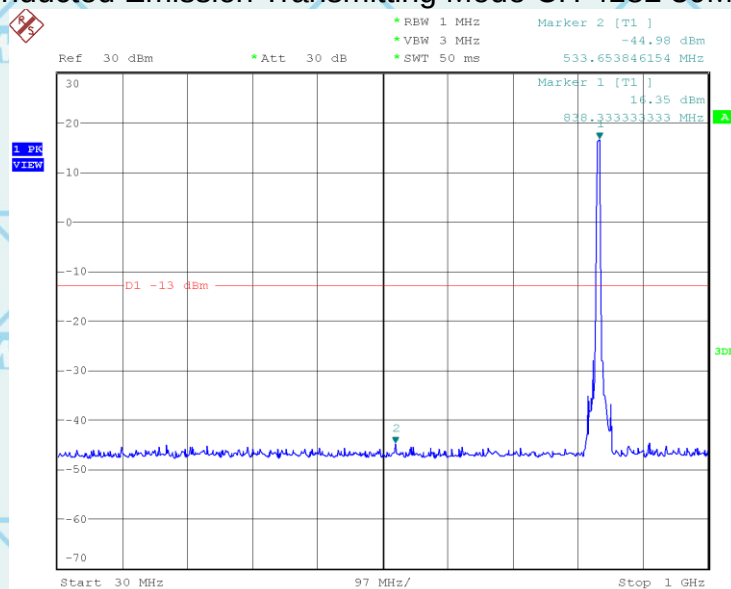


Conducted Emission Transmitting Mode CH 4132 1GHz – 9GHz



Date: 19.JUL.2024 16:07:45

Conducted Emission Transmitting Mode CH 4182 30MHz – 1GHz

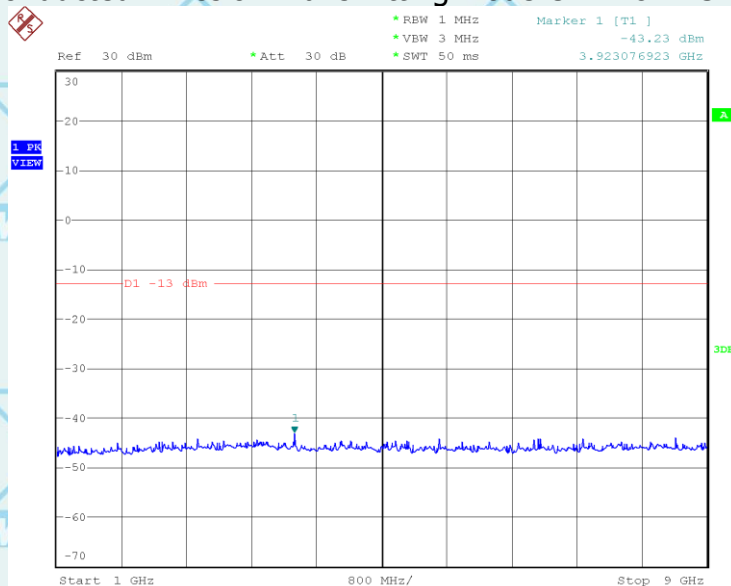


Date: 19.JUL.2024 16:10:02



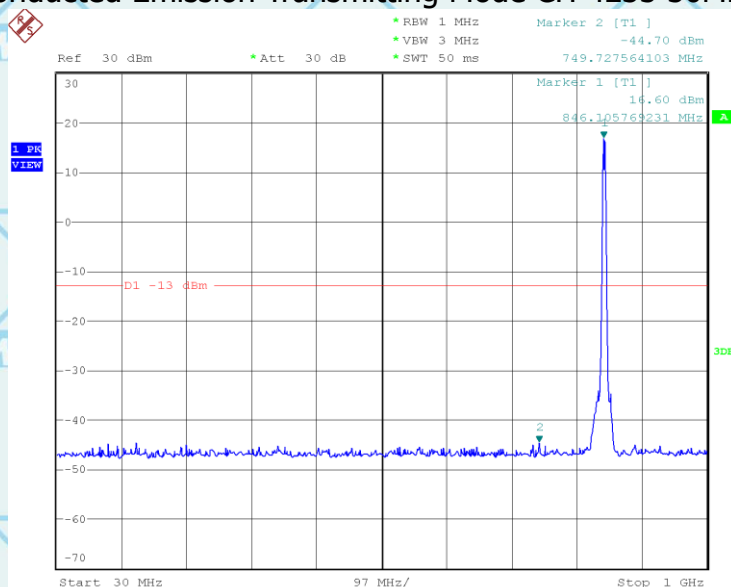


Conducted Emission Transmitting Mode CH 4182 1GHz – 9GHz



Date: 19.JUL.2024 16:08:17

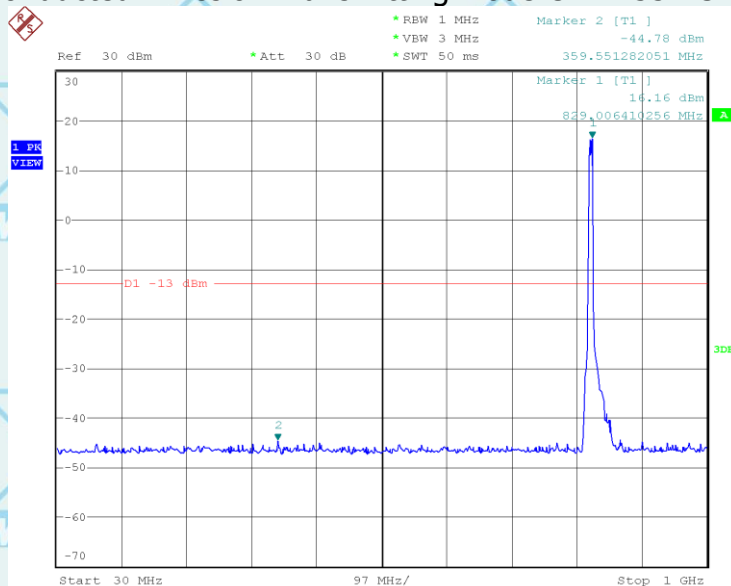
Conducted Emission Transmitting Mode CH 4233 30MHz – 1GHz



Date: 19.JUL.2024 16:09:33



Conducted Emission Transmitting Mode CH 4233 1GHz – 9GHz



Date: 19.JUL.2024 16:10:51

Note: Please refer to Annex (LTE&NR Out-of-band emissions) for more test data



Report No.: WSCT-ANAB-R&E240700032A-RF

12. FREQUENCY STABILITY

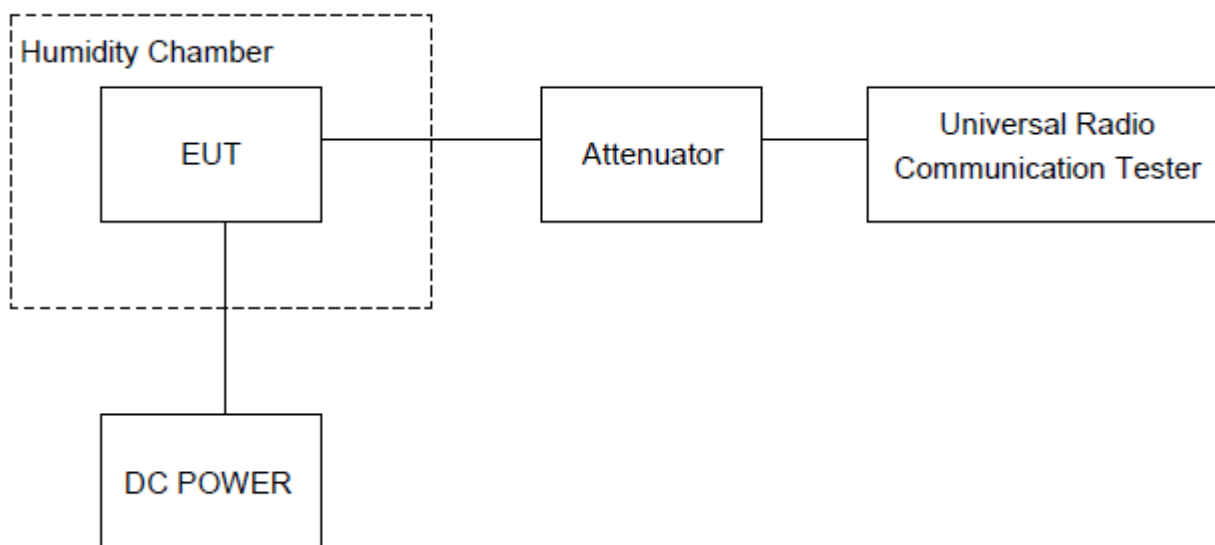
Test limit:

The frequency stability of the transmitter shall be measured while varying the ambient temperatures and supply voltages over the ranges specified in §2.1055. The specific frequency stability limits are provided in the relevant rules section(s). see section 4.

Test procedure:

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

Test setup:





For Question,
Please Contact with WSCT
www.wsct-cert.com

Report No.: WSCT-ANAB-R&E240700032A-RF

12.1. Measurement Result (Worst)

Frequency Error against Voltage for GSM 850 band (836.6MHz)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	33	0.039
3.87	32	0.039
4.45	29	0.035

Frequency Error against Temperature for GSM 850 band (836.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-20	41	0.048
0	33	0.039
10	37	0.044
20	36	0.043
30	39	0.046
40	39	0.046
60	32	0.038

Frequency Error against Voltage for PCS 1900 band (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	38	0.020
3.87	40	0.021
4.45	33	0.017

Frequency Error against Temperature for PCS 1900 band (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-20	39	0.021
0	38	0.020
10	36	0.019
20	31	0.016
30	31	0.016
40	37	0.020
60	34	0.018



Frequency Error against Voltage for GPRS 850 band (836.6MHz)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	32	0.039
3.87	28	0.034
4.45	31	0.037

Frequency Error against Temperature for GPRS 850 band (836.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-20	38	0.045
0	29	0.035
10	37	0.045
20	35	0.042
30	29	0.035
40	37	0.044
60	35	0.042

Frequency Error against Voltage for GPRS 1900 band (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	33	0.017
3.87	36	0.019
4.45	29	0.016

Frequency Error against Temperature for GPRS 1900 band (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-20	40	0.022
0	36	0.019
10	38	0.020
20	34	0.018
30	40	0.021
40	33	0.017
60	40	0.021

**Frequency Error against Voltage for EGPRS 850 band (836.6MHz)**

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	29	0.034
3.86	36	0.043
4.53	32	0.038

For Question,
Please Contact with WSCT
www.wsct-cert.com

Frequency Error against Temperature for EGPRS 850 band (836.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	39	0.047
0	31	0.037
10	29	0.034
20	31	0.037
30	31	0.037
40	29	0.035
55	33	0.040

Frequency Error against Voltage for EGPRS 1900 band (1880MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	40	0.021
3.86	35	0.019
4.53	34	0.018

Frequency Error against Temperature for EGPRS 1900 band (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	33	0.018
0	36	0.019
10	36	0.019
20	35	0.019
30	37	0.020
40	33	0.018
55	28	0.015



For Question,
Please Contact with WSCT
www.wsct-cert.com

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UTRA BANDS**Frequency Error against Voltage for WCDMA Band 2 (1880MHz)**

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	35	0.019
3.86	28	0.015
4.53	30	0.016

Frequency Error against Temperature for WCDMA Band 2 (1880MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	37	0.020
0	29	0.015
10	40	0.021
20	39	0.021
30	33	0.018
40	36	0.019
55	40	0.021

Frequency Error against Voltage for WCDMA Band 4 (1732.6MHz)

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	33	0.019
3.86	30	0.018
4.53	33	0.019

Frequency Error against Temperature for WCDMA Band 4 (1732.6MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	32	0.018
0	38	0.022
10	35	0.020
20	37	0.021
30	32	0.018
40	30	0.017
55	30	0.017



For Question,
Please Contact with WSCT
www.wsct-cert.com

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Frequency Error against Voltage for WCDMA Band 5 (836.4MHz)

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	37	0.044
3.86	35	0.041
4.53	29	0.034

Frequency Error against Temperature for WCDMA Band 5 (836.4MHz)

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	40	0.048
0	40	0.047
10	38	0.046
20	33	0.039
30	38	0.046
40	31	0.037
55	29	0.035

Note: Please refer to Annex (LTE&NR Frequency Error against) for more test data



13. Test Setup Photographs

Please refer to Annex "Set Up Photos-RF" for test setup photos

---END OF REPORT---