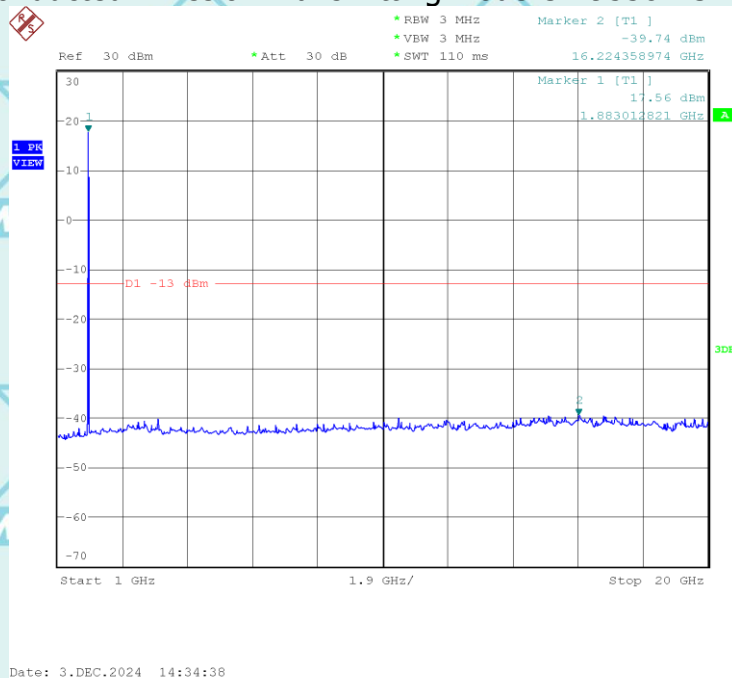
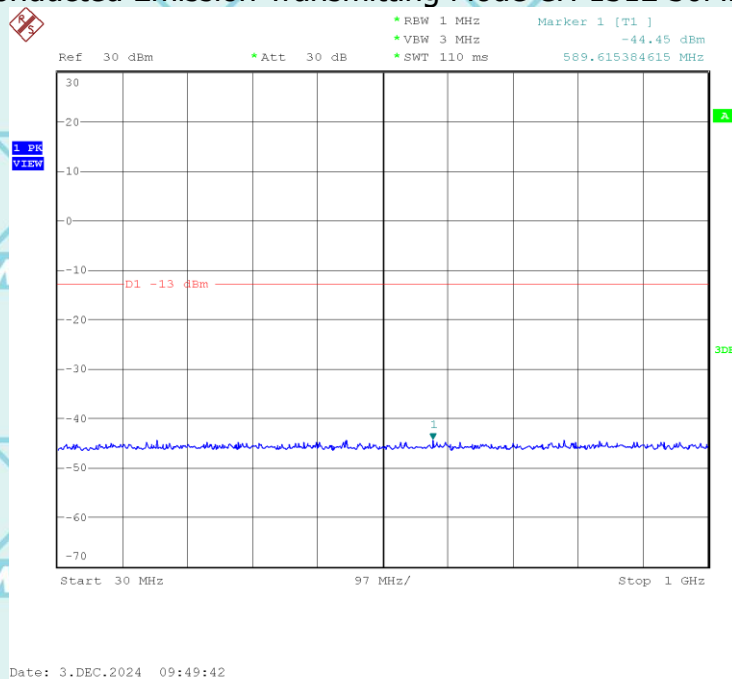


Report No.: WSCT-ANAB-R&E241200075A-RF

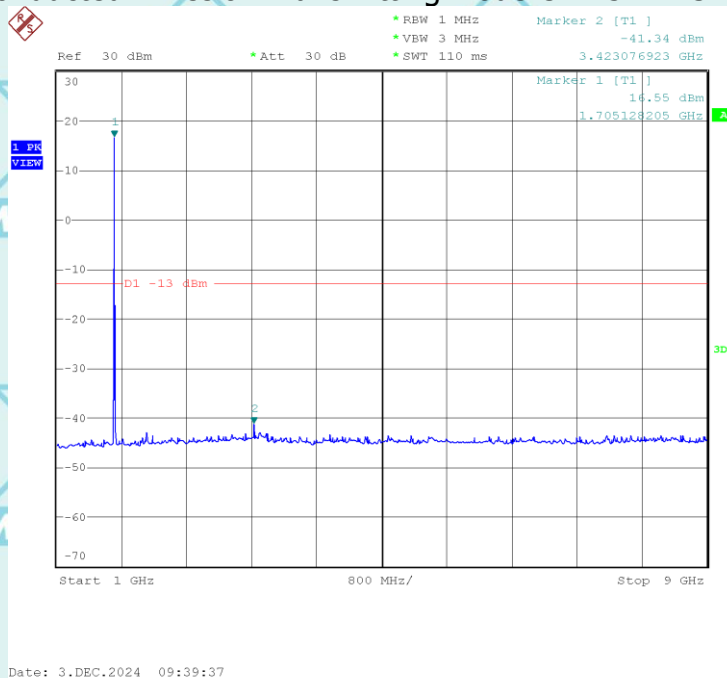
Conducted Emission Transmitting Mode CH 9538 1GHz – 20GHz



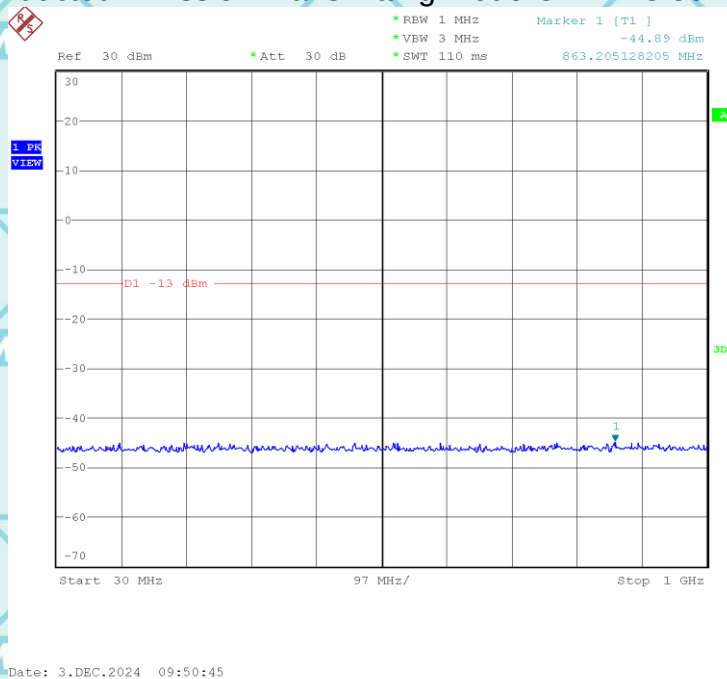
CONDUCTED EMISSION IN WCDMA Band 4
Conducted Emission Transmitting Mode CH 1312 30MHz – 1GHz



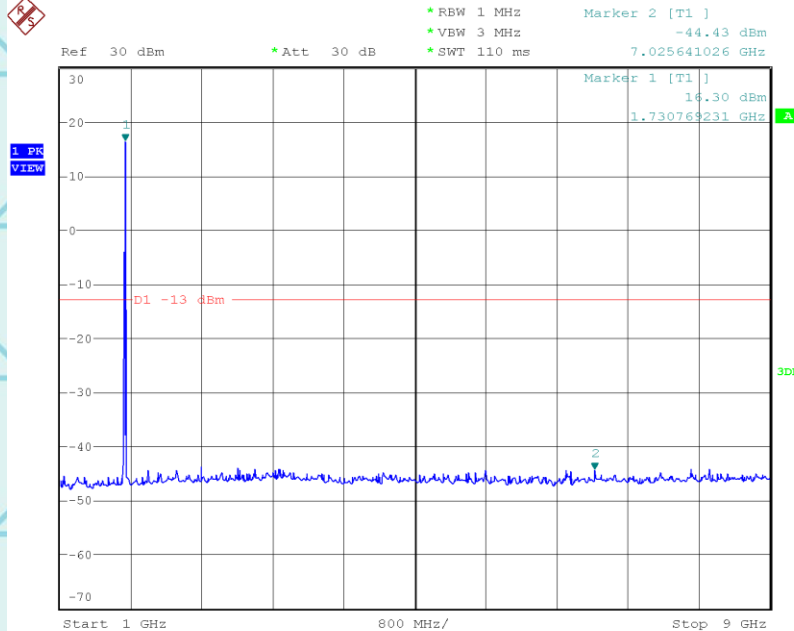
Conducted Emission Transmitting Mode CH 1312 1GHz – 20GHz



Conducted Emission Transmitting Mode CH 1413 30MHz – 1GHz

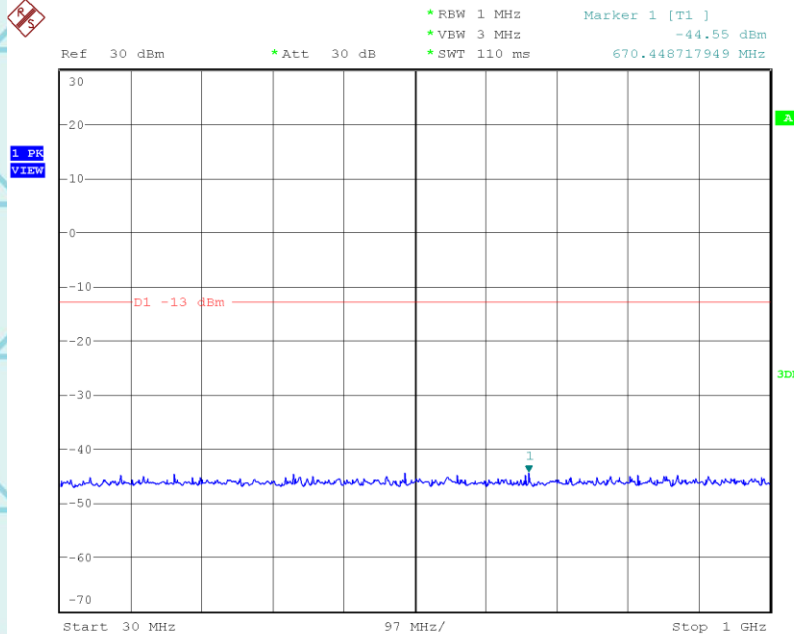


Conducted Emission Transmitting Mode CH 1413 1GHz – 20GHz



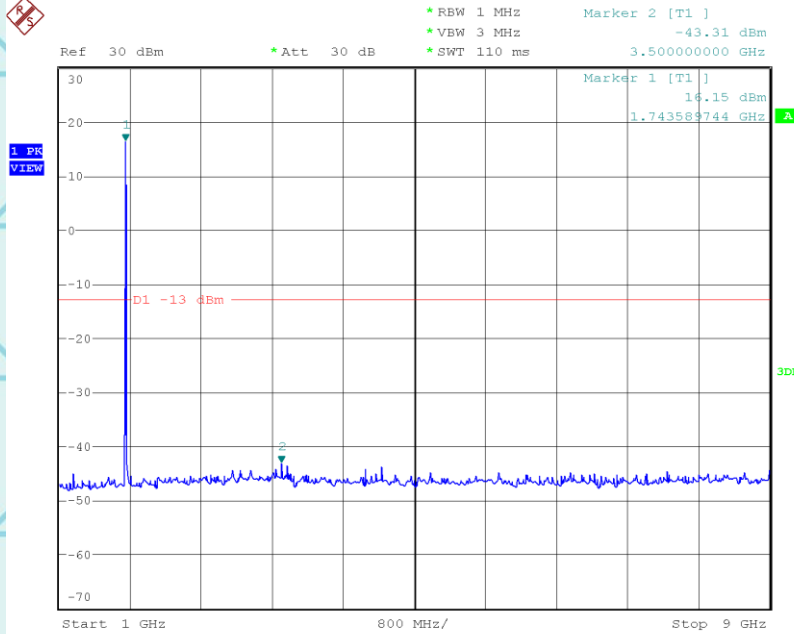
Date: 3.DEC.2024 09:40:17

Conducted Emission Transmitting Mode CH 1513 30MHz – 1GHz



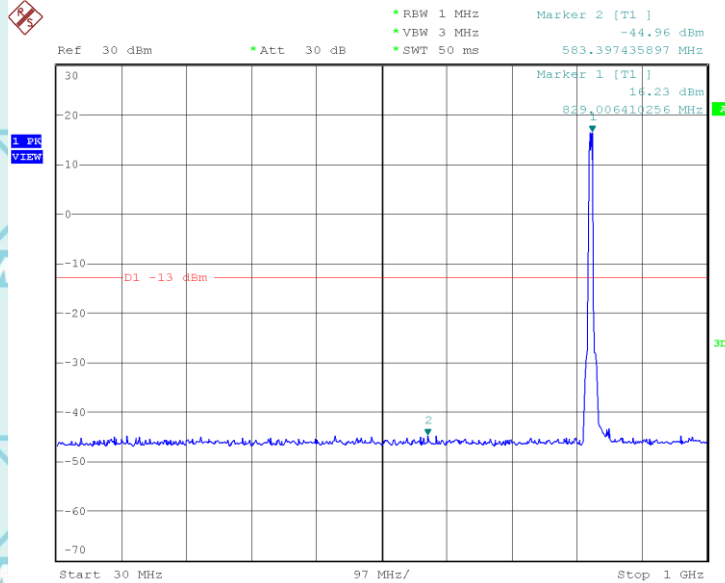
Date: 3.DEC.2024 09:51:51

Conducted Emission Transmitting Mode CH 1513 1GHz – 20GHz



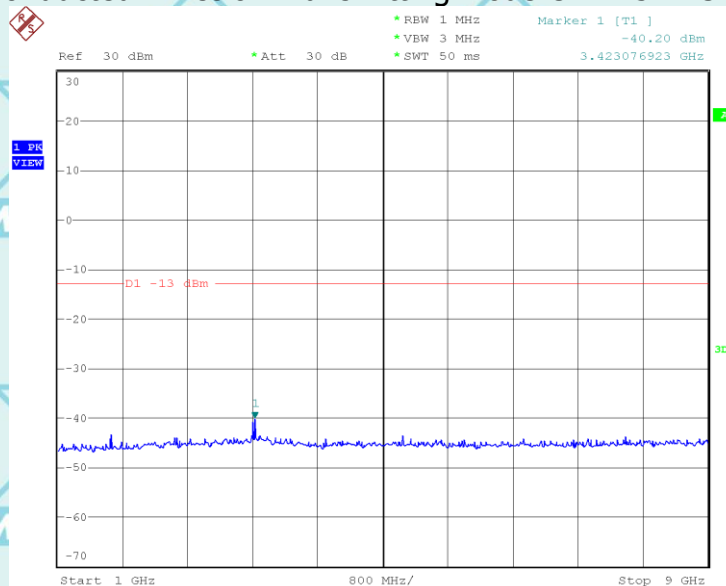
Date: 3.DEC.2024 09:40:46

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



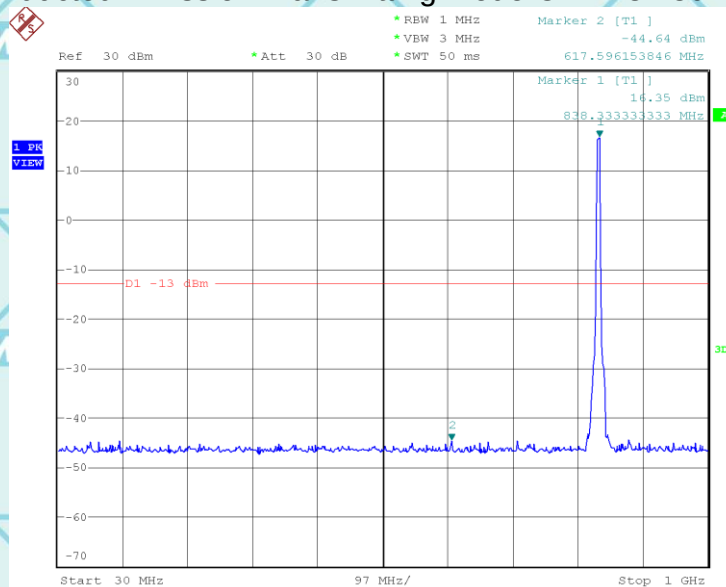
Date: 3.DEC.2024 14:20:52

Conducted Emission Transmitting Mode CH 4132 1GHz – 9GHz



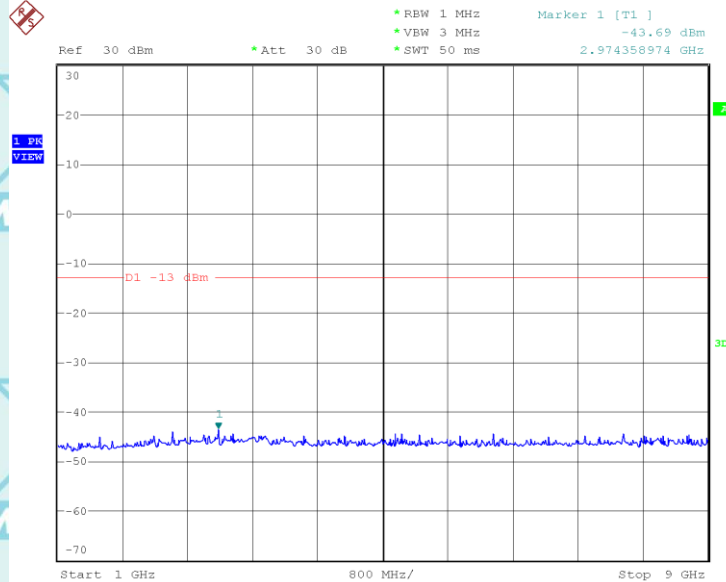
Date: 3.DEC.2024 14:16:51

Conducted Emission Transmitting Mode CH 4182 30MHz – 1GHz



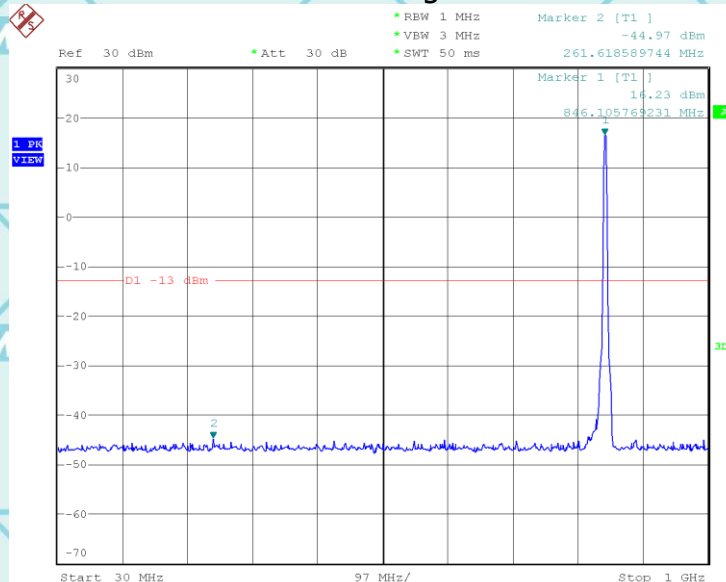
Date: 3.DEC.2024 14:19:40

Conducted Emission Transmitting Mode CH 4182 1GHz – 9GHz



Date: 3.DEC.2024 14:17:24

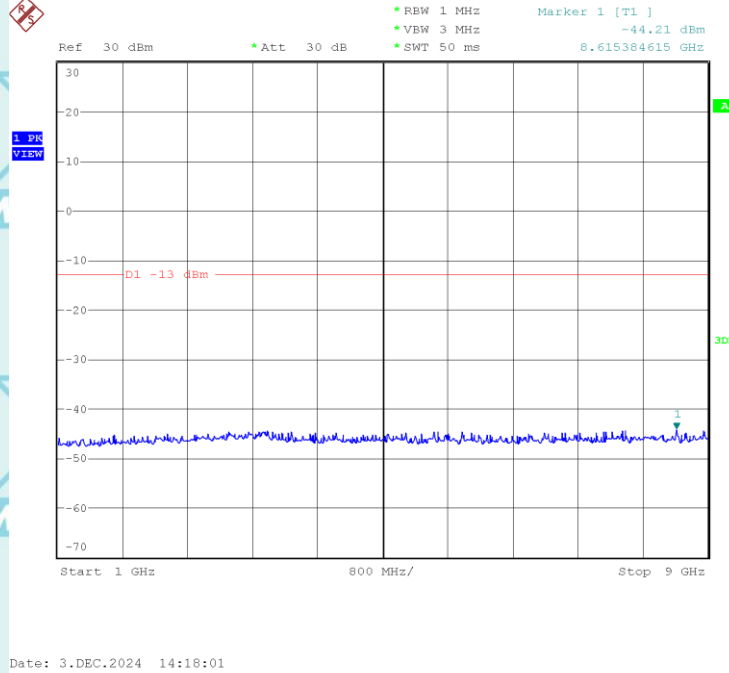
Conducted Emission Transmitting Mode CH 4233 30MHz – 1GHz



Date: 3.DEC.2024 14:18:48

Report No.: WSCT-ANAB-R&E241200075A-RF

Conducted Emission Transmitting Mode CH 4233 1GHz – 9GHz



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

Report No.: WSCT-ANAB-R&E241200075A-RF

12. FREQUENCY STABILITY

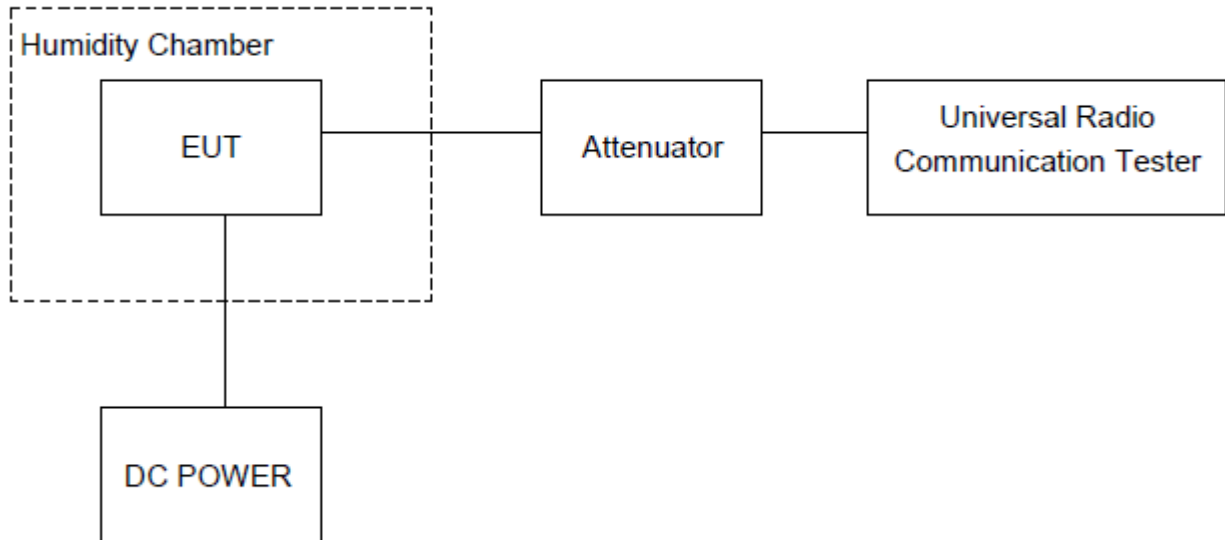
Test limit:

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:



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	42	0.051
3.86	34	0.040
4.50	44	0.053

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	42	0.051
0	42	0.051
10	38	0.046
20	36	0.043
30	37	0.045
40	41	0.049
55	38	0.046

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

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	36	0.019
3.86	38	0.020
4.50	40	0.021

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	42	0.022
0	40	0.021
10	37	0.020
20	44	0.023
30	38	0.020
40	38	0.020
55	40	0.021

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

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	42	0.050
3.86	44	0.052
4.50	37	0.045

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	44	0.052
0	40	0.048
10	44	0.052
20	42	0.050
30	38	0.046
40	40	0.048
55	42	0.050

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

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	45	0.024
3.86	35	0.018
4.50	41	0.022

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	44	0.023
0	35	0.018
10	41	0.022
20	44	0.023
30	38	0.020
40	38	0.020
55	41	0.022

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

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	34	0.041
3.86	36	0.043
4.50	43	0.051

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	40	0.048
0	41	0.049
10	44	0.053
20	34	0.041
30	37	0.044
40	41	0.049
55	40	0.047

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

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	42	0.022
3.86	39	0.021
4.50	38	0.020

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	40	0.021
0	38	0.020
10	39	0.021
20	45	0.024
30	38	0.020
40	42	0.022
55	35	0.019

UTRA BANDS

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

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	44	0.023
3.86	37	0.019
4.50	39	0.020

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	37	0.019
0	42	0.022
10	37	0.019
20	40	0.021
30	44	0.023
40	37	0.019
55	42	0.022

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

Voltage(V)	Frequency error(Hz)	Frequency error (ppm)
3.45	36	0.021
3.86	42	0.024
4.50	39	0.022

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	41	0.023
0	41	0.023
10	37	0.022
20	36	0.021
30	36	0.021
40	42	0.024
55	39	0.022

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

Voltage(V)	Frequency error(Hz)	Frequency error(ppm)
3.45	44	0.053
3.86	34	0.041
4.50	37	0.044

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

Temperature(°C)	Frequency error(Hz)	Frequency error(ppm)
-10	38	0.046
0	40	0.048
10	43	0.052
20	38	0.045
30	34	0.041
40	37	0.044
55	42	0.050

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---