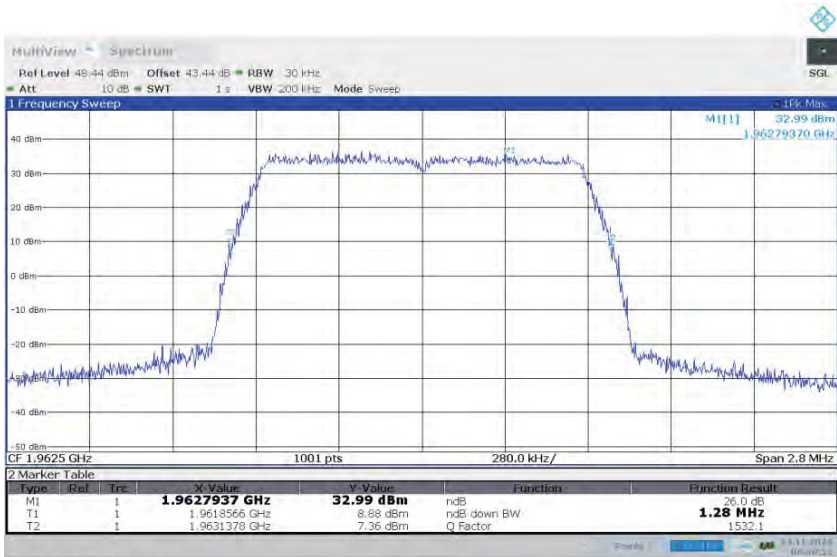


The Relative measurement procedure of occupied bandwidth (26 dB down):

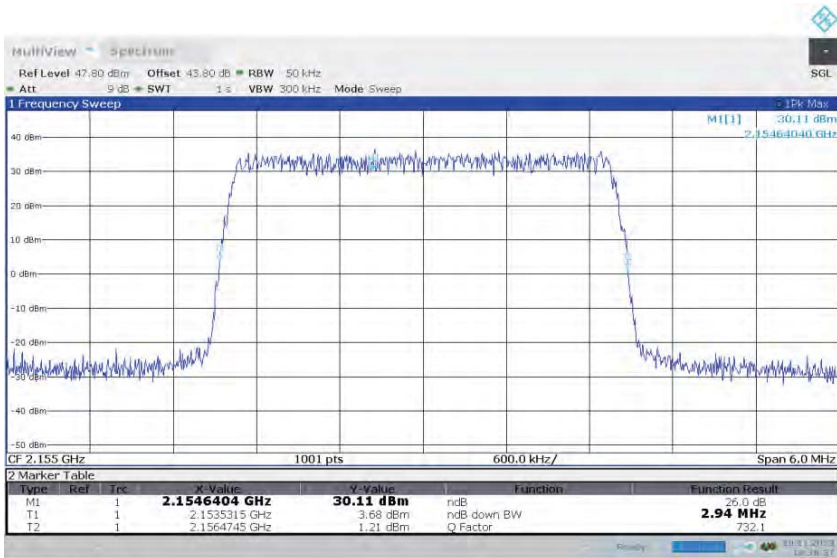
Occupied Bandwidth 1.4MHz BW B25



09:50:52 13.11.2023

E-TM 1.1, Modulation QPSK, Channel Frequency 1962.5MHz,Tx Port1

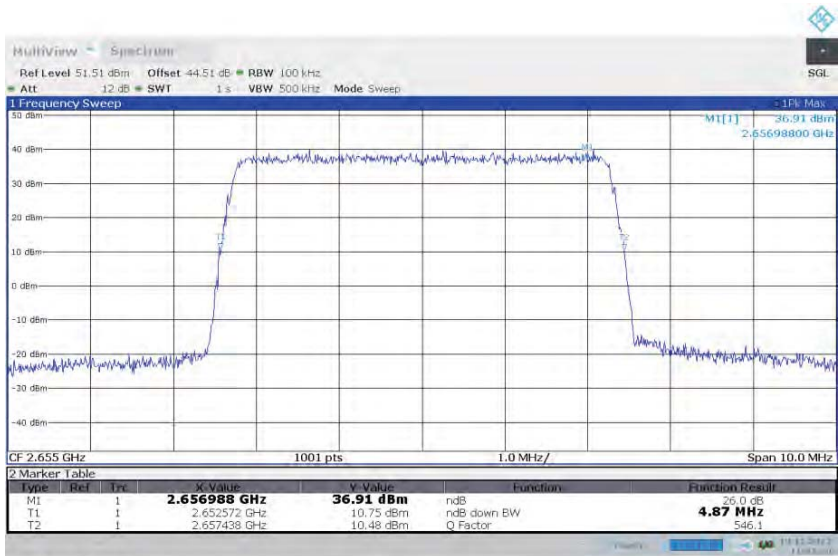
Occupied Bandwidth 3MHz BW B66



18:36:37 10.11.2023

E-TM 3.2, Modulation 16QAM, Channel Frequency 2155MHz,Tx Port1

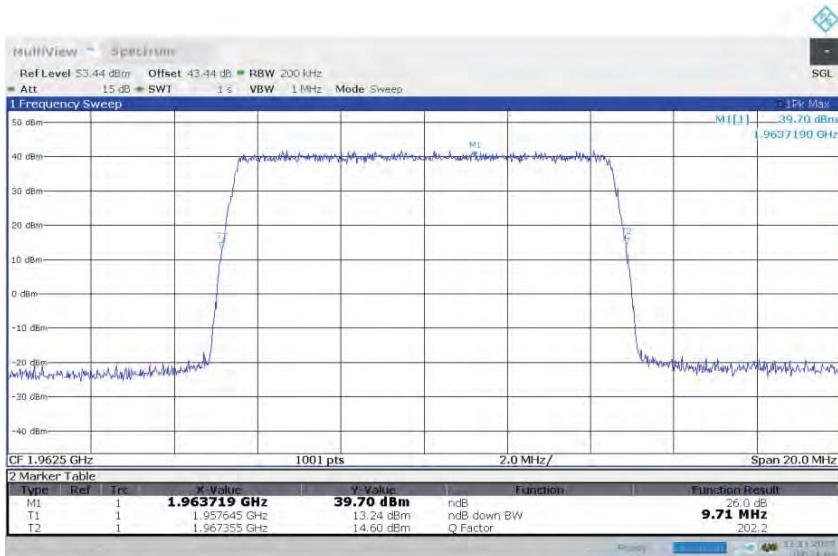
Occupied Bandwidth 5MHz BW B7



11:55:11 10.11.2023

E-TM 3.1, Modulation 64QAM, Channel Frequency 2655MHz,Tx Port1

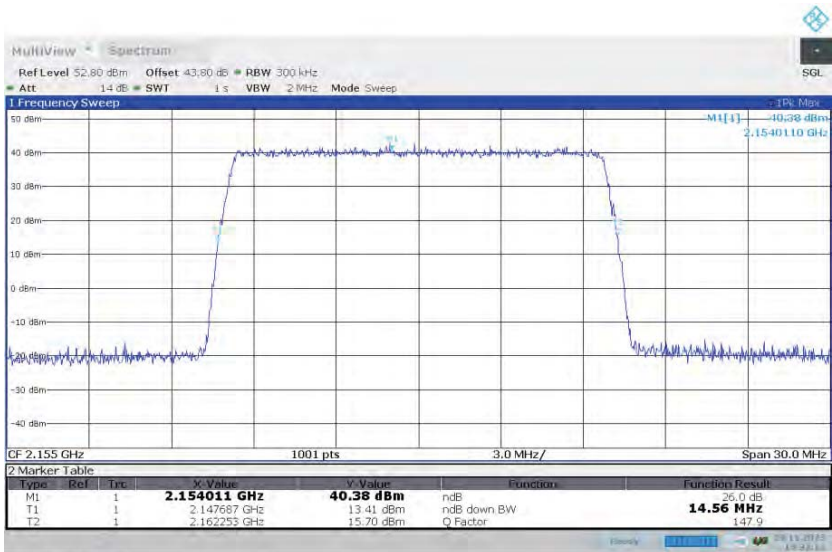
Occupied Bandwidth 10MHz BW B25



08:24:05 13.11.2023

E-TM 3.1a, Modulation 256QAM, Channel Frequency 1962.5MHz,Tx Port1

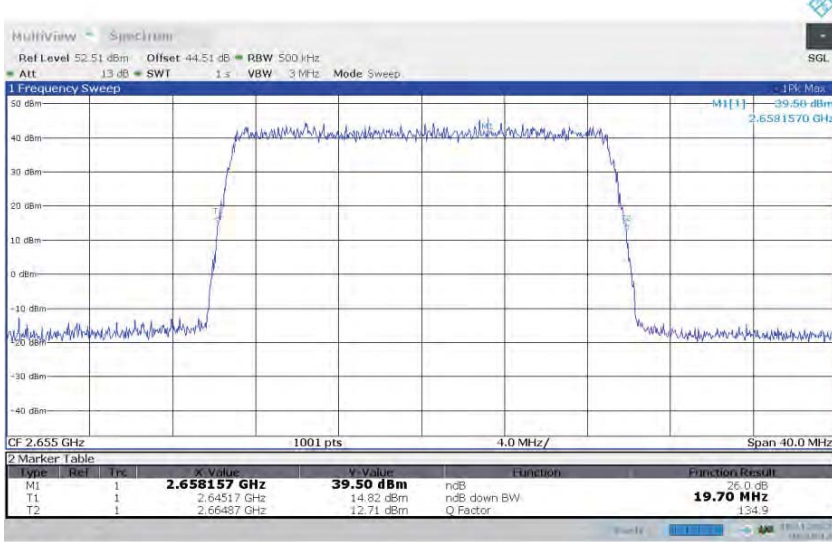
Occupied Bandwidth 15MHz BW B66



14:32:13 10.11.2023

E-TM 1.1, Modulation QPSK, Channel Frequency 2155MHz,Tx Port1

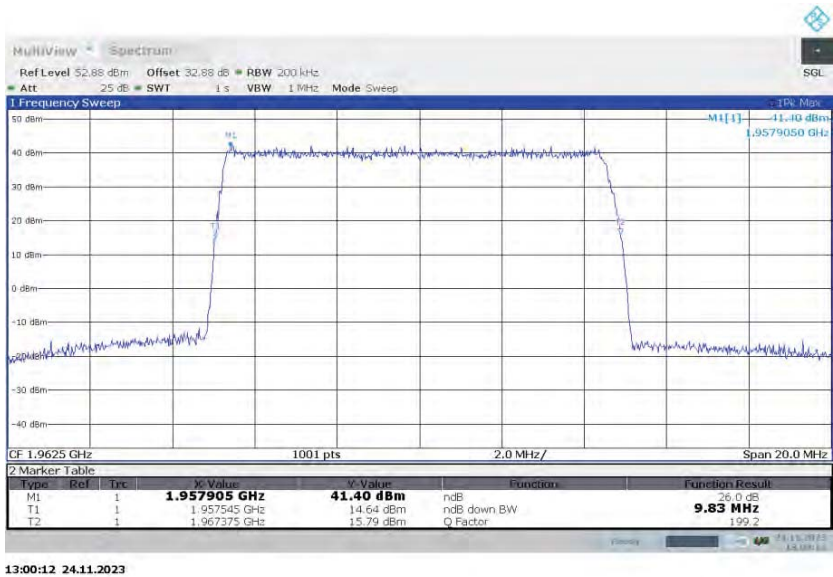
Occupied Bandwidth 20MHz BW B7



08:29:13 10.11.2023

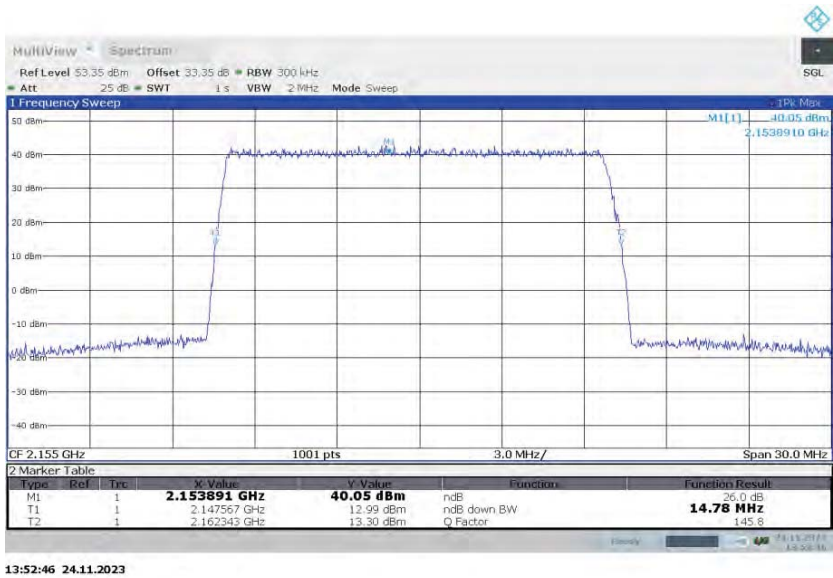
E-TM 3.2, Modulation 16QAM, Channel Frequency 2655MHz,Tx Port1

Occupied Bandwidth NB-IoT Guardband 10MHz BW B25



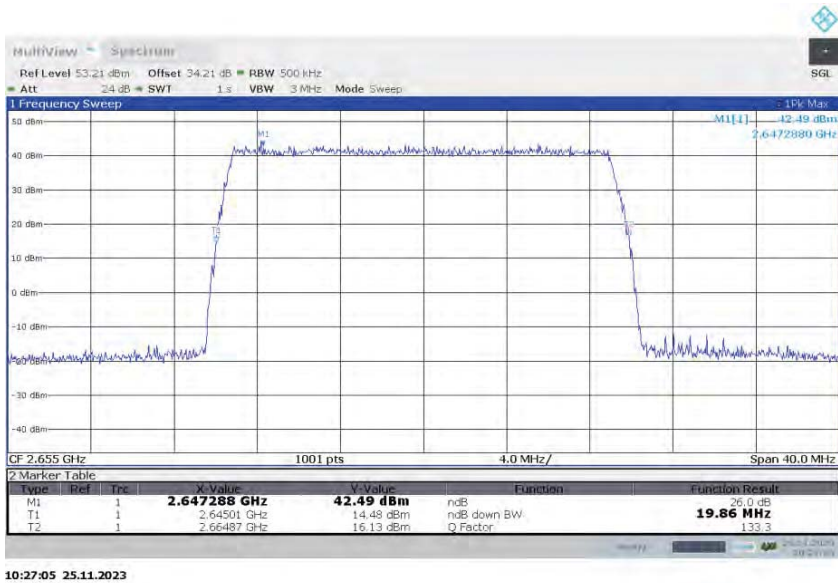
E-TM1.1 with N-TM: E-UTRA NB-IoT GB, Modulation QPSK, Channel Frequency 1962.5MHz, Tx port 1

Occupied Bandwidth NB-IoT Guardband 15MHz BW B66



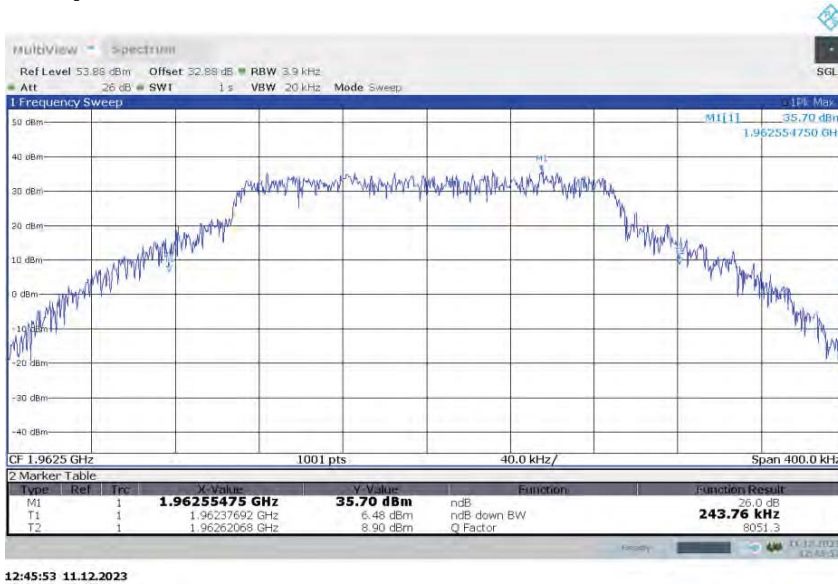
E-TM1.1 with N-TM: E-UTRA NB-IoT GB, Modulation QPSK, Channel Frequency 2155MHz, Tx port 1

Occupied Bandwidth NB-IoT Guardband 20MHz BW B7



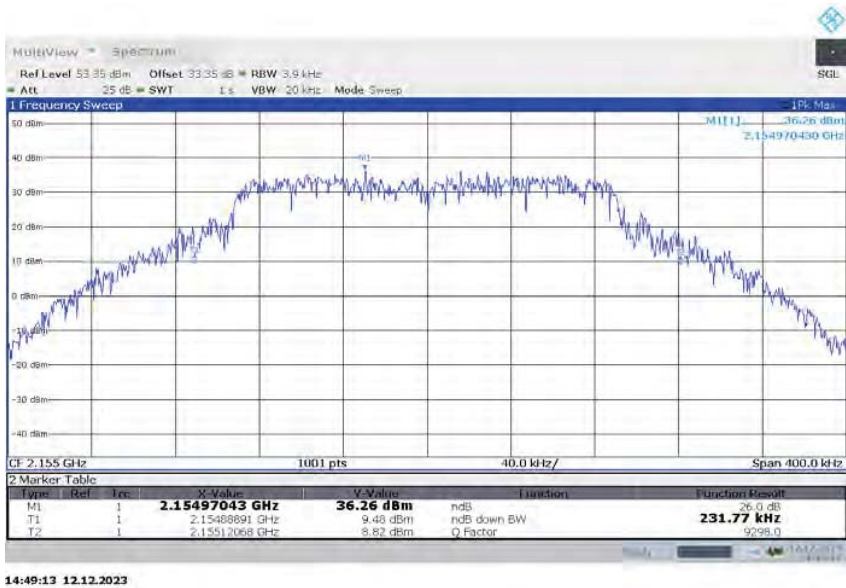
E-TM1.1 with N-TM: E-UTRA NB-IoT GB, Modulation QPSK, Channel Frequency 2655MHz, Tx port 1

Occupied Bandwidth NB-IoT Standalone 200kHz BW B25



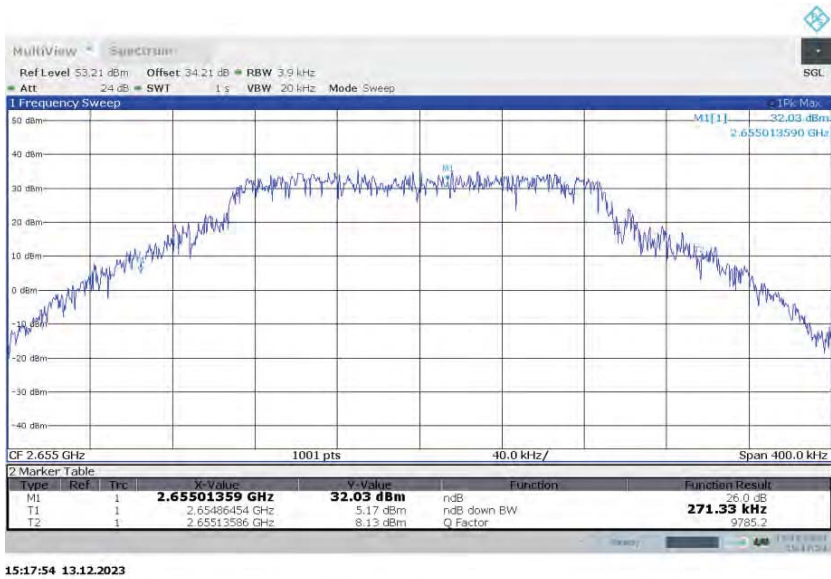
N-TM: E-UTRA NB-IoT SA, Modulation QPSK, Channel Frequency 1962.5MHz, Tx port 1

Occupied Bandwidth NB-IoT Standalone 200kHz BW B66



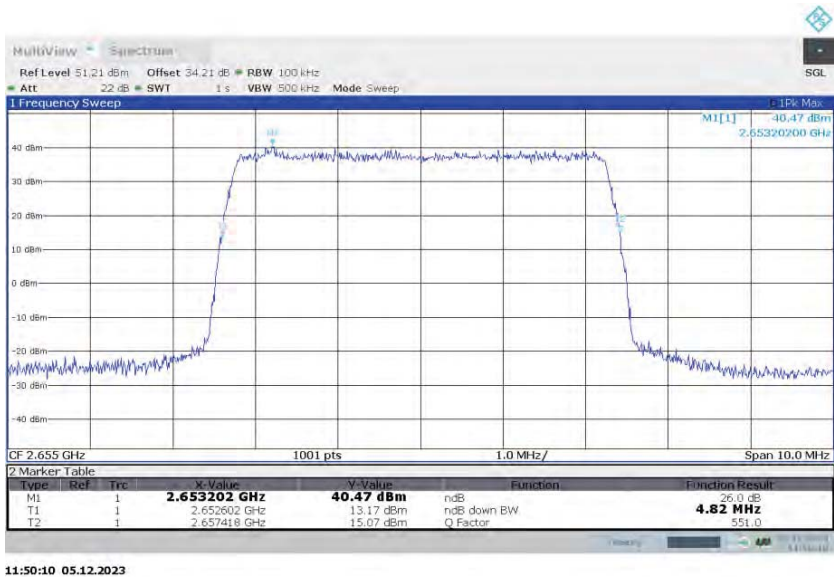
N-TM: E-UTRA NB-IoT SA, Modulation QPSK, Channel Frequency 2155MHz, Tx port 1

Occupied Bandwidth NB-IoT Standalone 200kHz BW B7



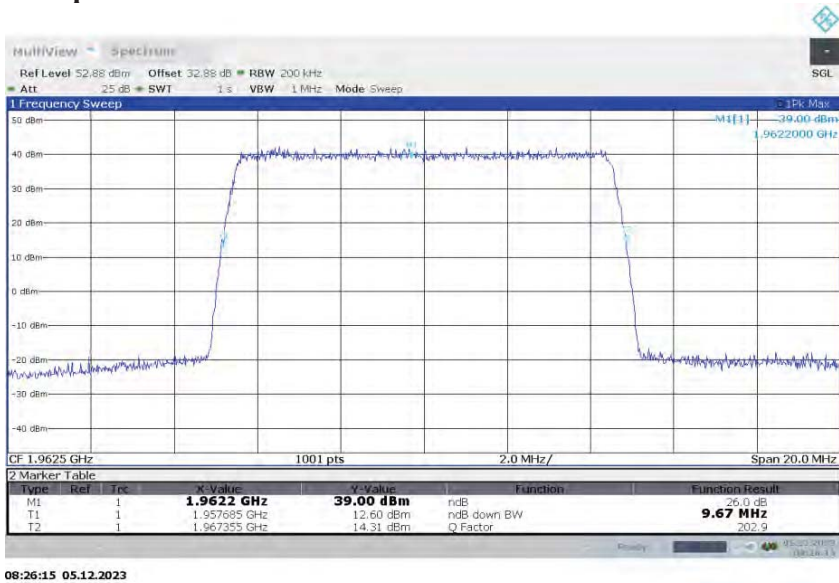
N-TM: E-UTRA NB-IoT SA, Modulation QPSK, Channel Frequency 2655MHz, Tx port 1

Occupied Bandwidth NB-IoT Inband 5MHz BW B7



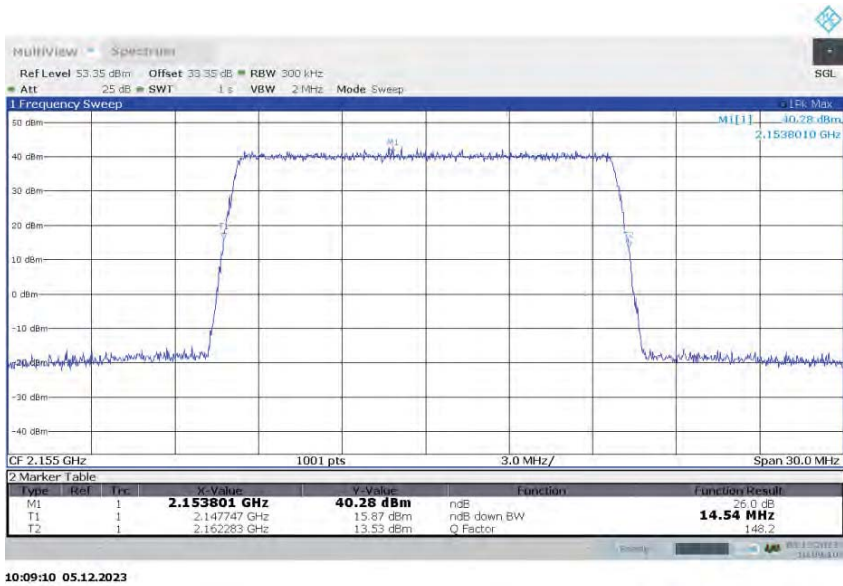
E-TM1.1 with N-TM: E-UTRA NB-IoT IB, Modulation QPSK, Channel Frequency 2655MHz, Tx port 1

Occupied Bandwidth NB-IoT Inband 10MHz BW B25



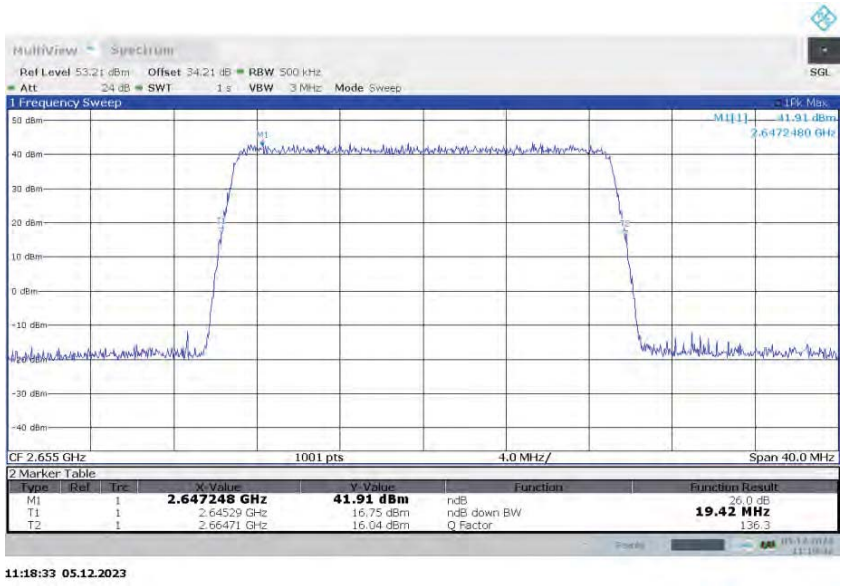
E-TM1.1 with N-TM: E-UTRA NB-IoT IB, Modulation QPSK, Channel Frequency 1962.5MHz, Tx port 1

Occupied Bandwidth NB-IoT Inband 15MHz BW B66



E-TM1.1 with N-TM: E-UTRA NB-IoT IB, Modulation QPSK, Channel Frequency 2155MHz, Tx port 1

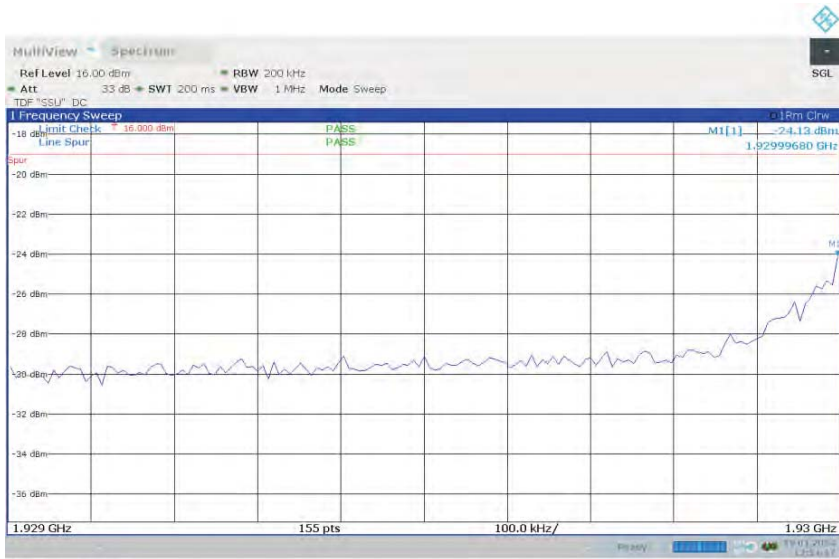
Occupied Bandwidth NB-IoT Inband 20MHz BW B7



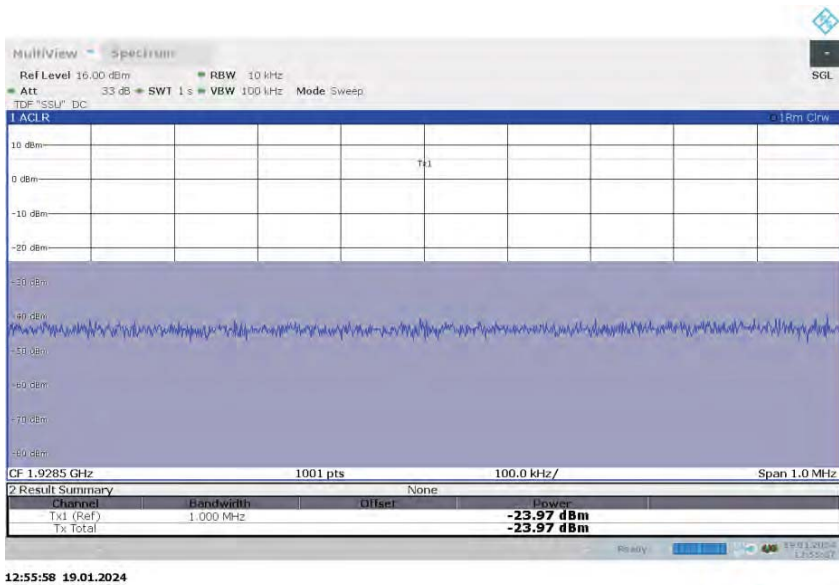
E-TM1.1 with N-TM: E-UTRA NB-IoT IB, Modulation QPSK, Channel Frequency 2655MHz, Tx port 1

5.2.4. Test No. 4: Spurious Emissions at the Antenna Terminals

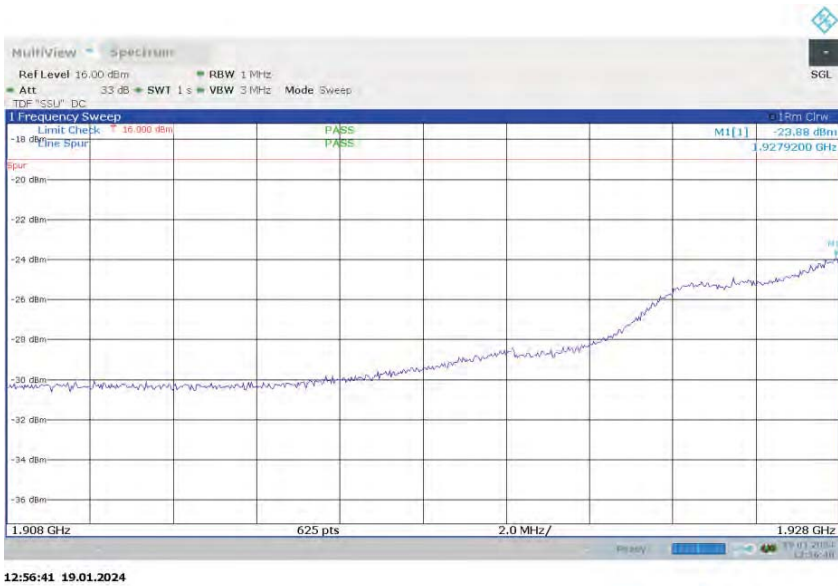
Config A TX port 1:



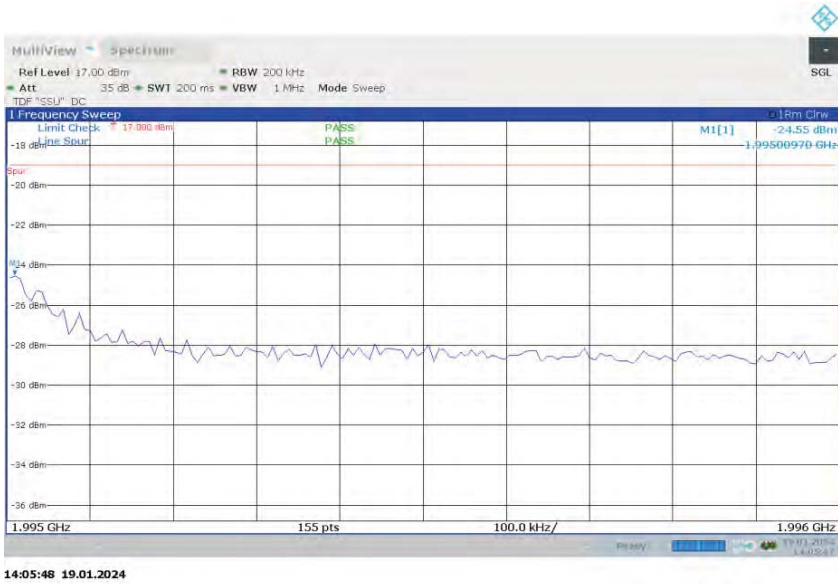
Spurious Emissions (Lower Band Edge 1929-1930MHz) – 256QAM (1940 MHz) (Band 25 E-UTRA 20MHz Channel BW)



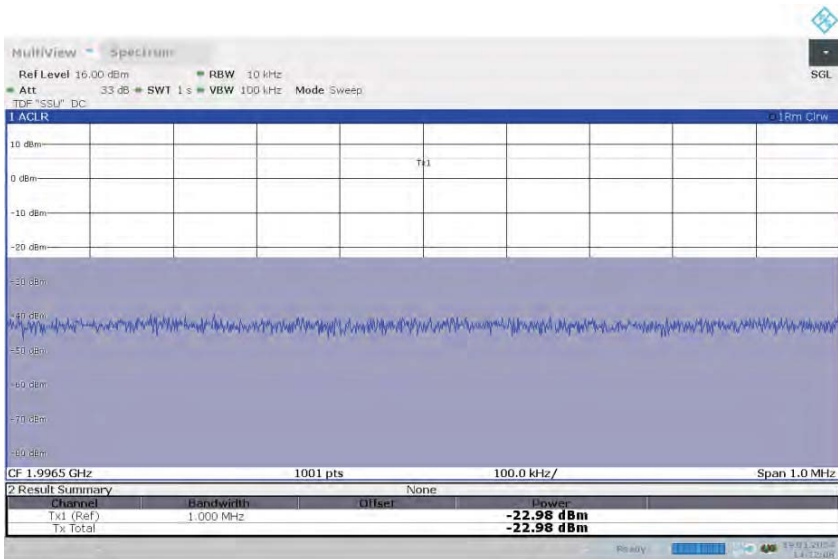
Spurious Emissions (Lower Band Edge 1928-1929MHz) – 256QAM (1940 MHz) (Band 25 E-UTRA 20MHz Channel BW)



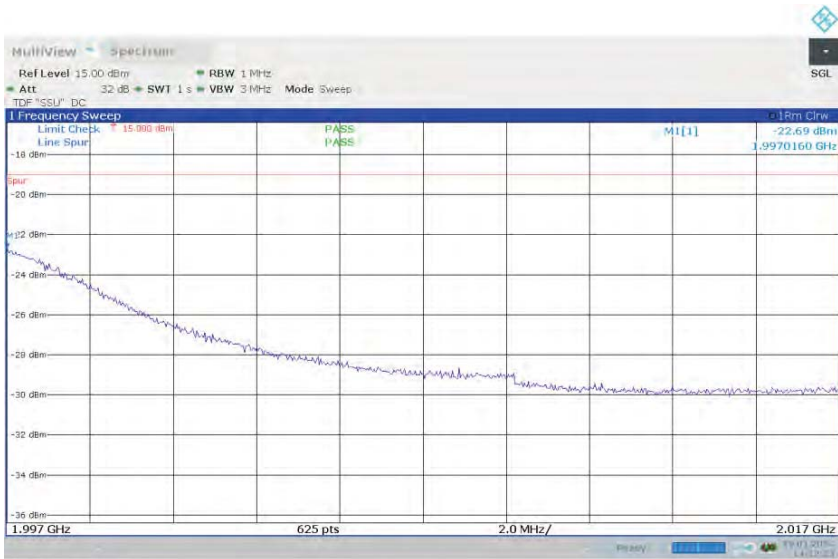
Spurious Emissions (Lower Band Edge 1908-1928MHz) – 256QAM (1940 MHz) (Band 25 E-UTRA 20MHz Channel BW)



Spurious Emissions (Upper Band Edge 1995-1996MHz) – 256QAM (1985 MHz) (Band 25 E-UTRA 20 MHz Channel BW)



Spurious Emissions (Upper Band Edge 1996-1997MHz) – 256QAM (1985 MHz)
(Band 25 E-UTRA 20 MHz Channel BW)

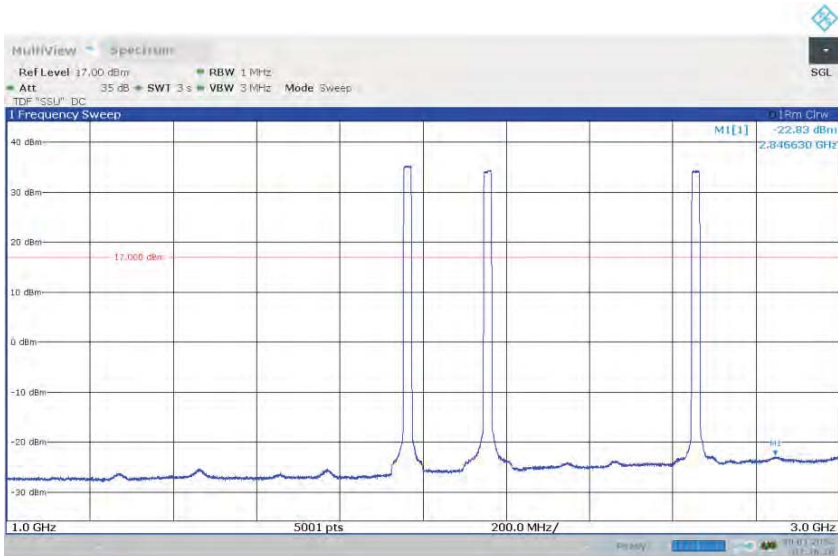


Spurious Emissions (Upper Band Edge 1997-2017MHz) – 256QAM (1985 MHz)
(Band 25 E-UTRA 20 MHz Channel BW)



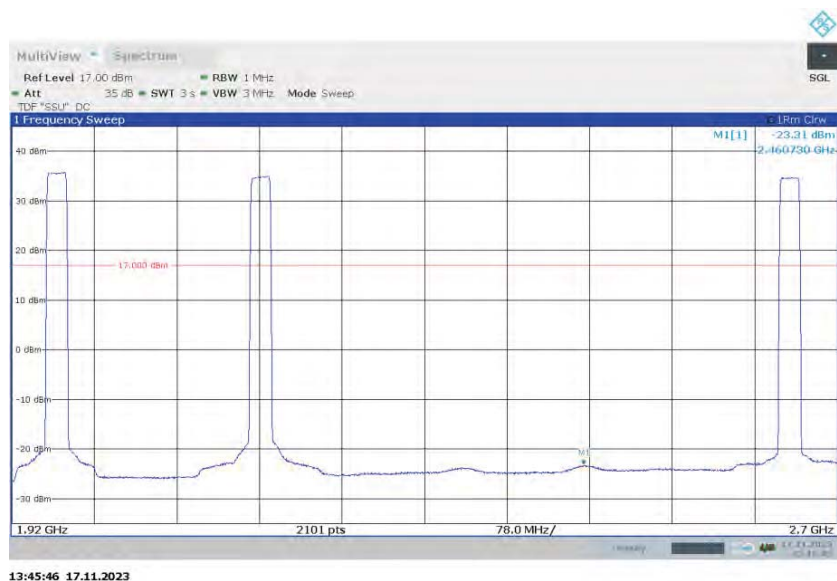
13:39:28 17.11.2023

Spurious Emissions (9kHz – 1GHz) – 256QAM (1962.5 MHz) (Band 25 E-UTRA 20MHz Channel BW)

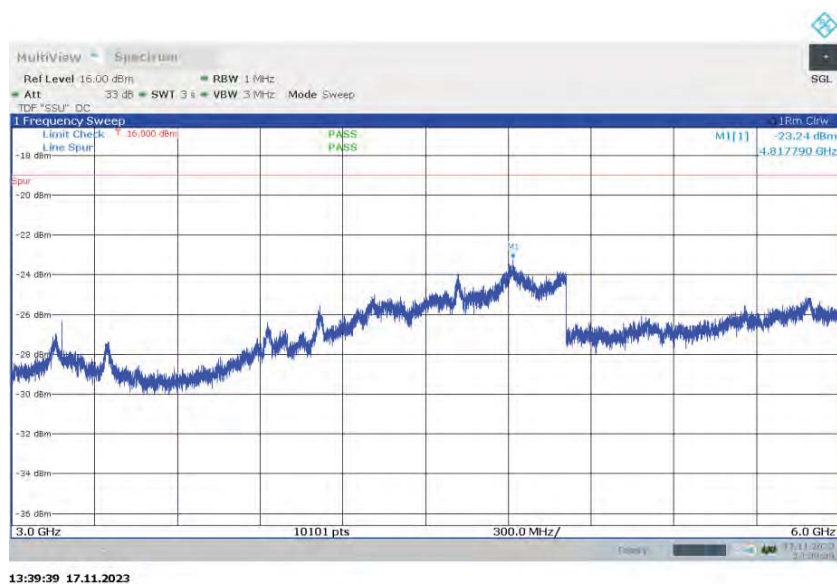


07:36:28 30.01.2024

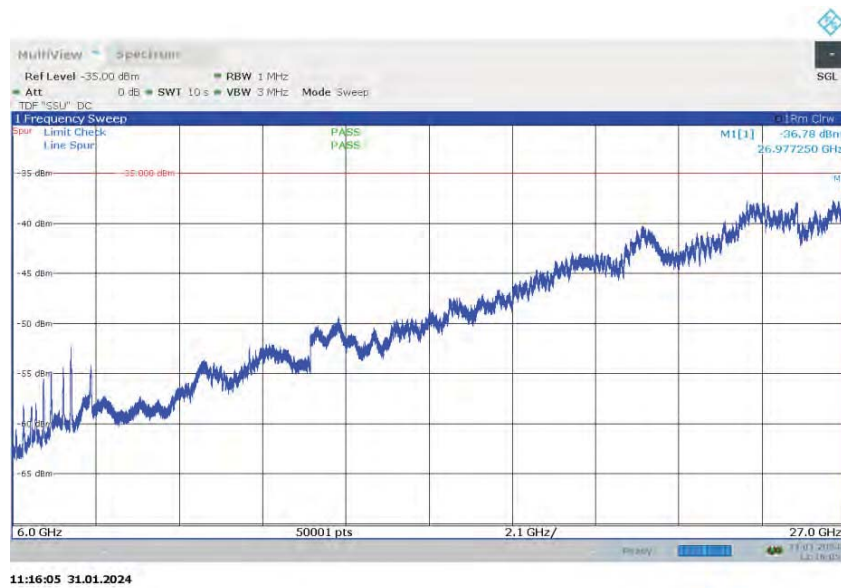
Spurious Emissions (1GHz – 3GHz) – 256QAM (1962.5MHz) (Band 25 E-UTRA 20MHz Channel BW)



Spurious Emissions (1.92GHz – 2.7GHz) – 256QAM (1962.5MHz) (Band 25 E-UTRA 20MHz Channel BW)

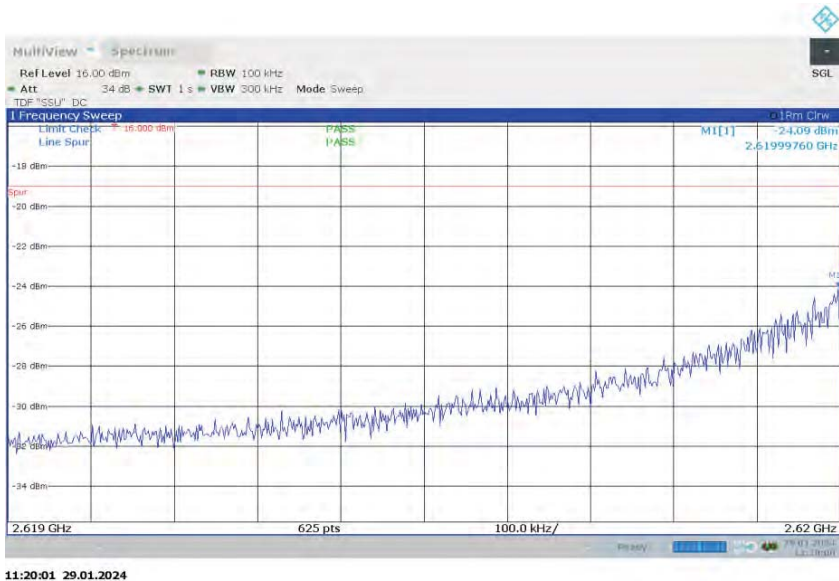


Spurious Emissions (3GHz – 6GHz) – 256QAM (1962.5MHz) (Band 25 E-UTRA 20MHz Channel BW)

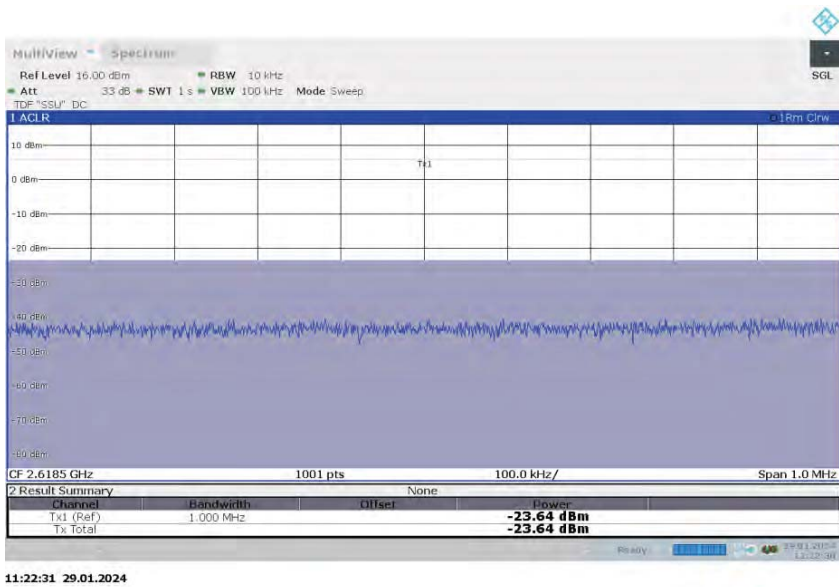


Spurious Emissions (6GHz – 27GHz) – 256QAM (1962.5MHz) (Band 25 E-UTRA 20MHz Channel BW)

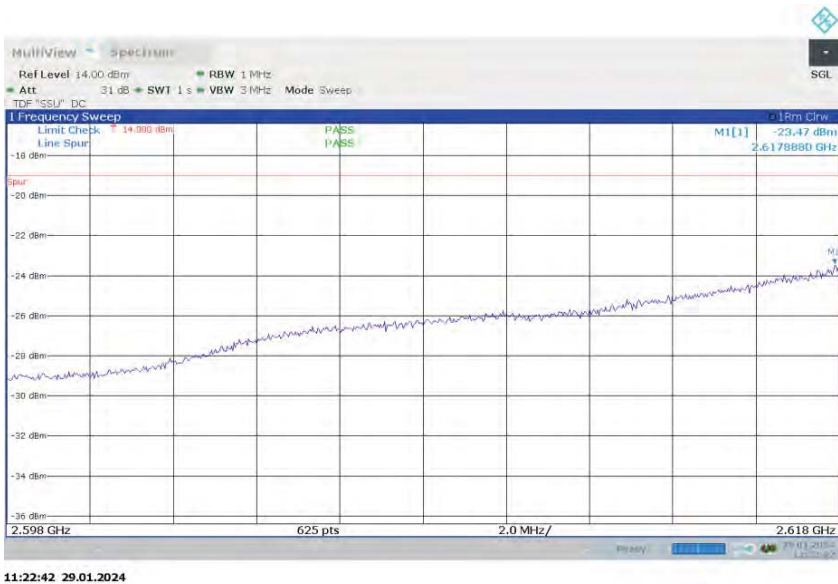
Config I TX port 1:



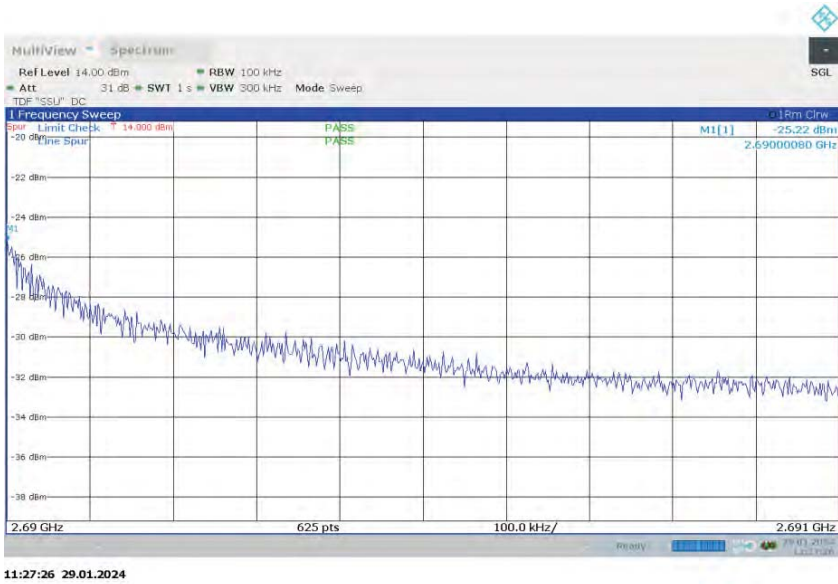
Spurious Emissions (Lower Band Edge 2619-2620MHz) – QPSK (2625 MHz)
(Band 7 NB-IoT GB 10MHz Channel BW)



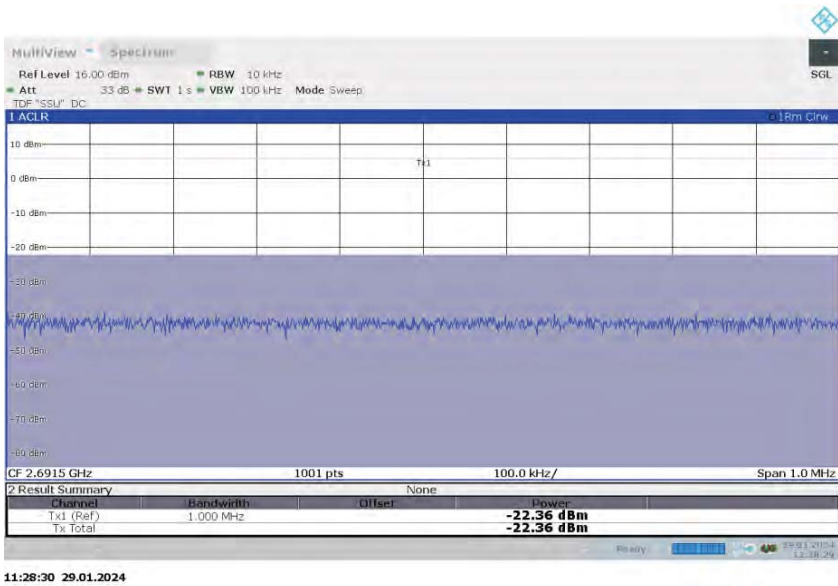
Spurious Emissions (Lower Band Edge 2618-2619MHz) – QPSK (2625 MHz)
(Band 7 NB-IoT GB 10MHz Channel BW)



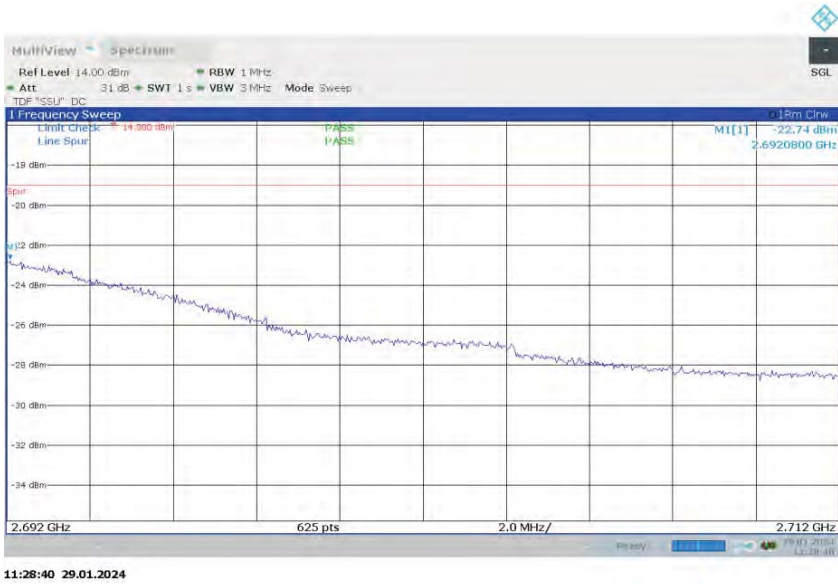
Spurious Emissions (Lower Band Edge 2598-2618MHz) – QPSK (2625 MHz)
(Band 7 NB-IoT GB 10MHz Channel BW)



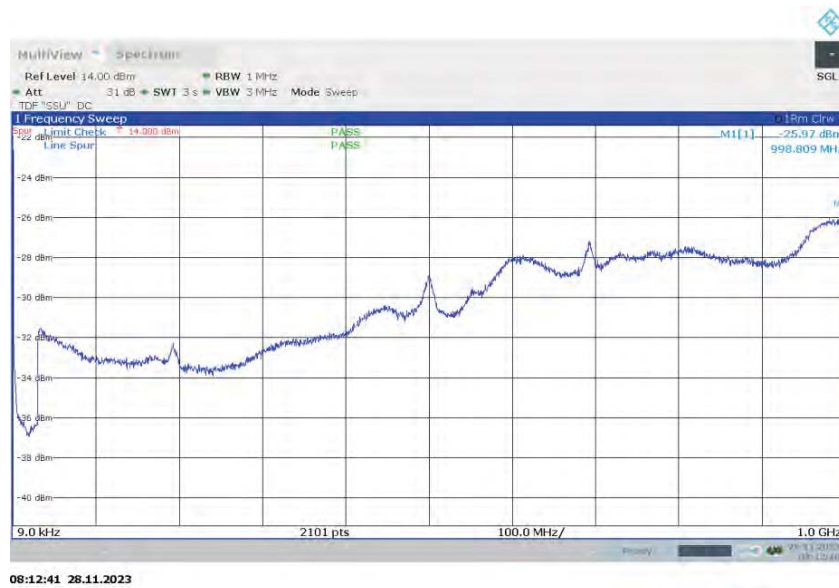
Spurious Emissions (Upper Band Edge 2690-2691MHz) – QPSK (2685 MHz)
(Band 7 NB-IoT GB 10MHz Channel BW)



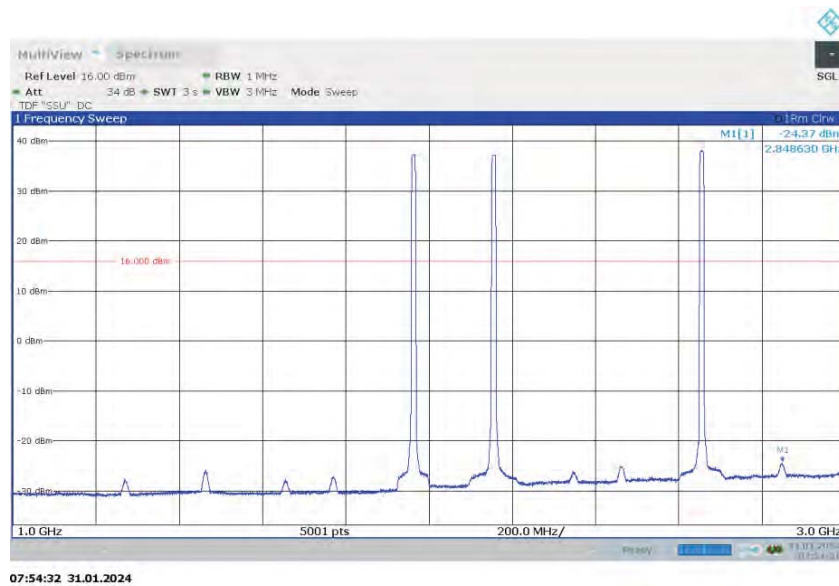
Spurious Emissions (Upper Band Edge 2691-2692MHz) – QPSK (2685 MHz)
(Band 7 NB-IoT GB 10MHz Channel BW)



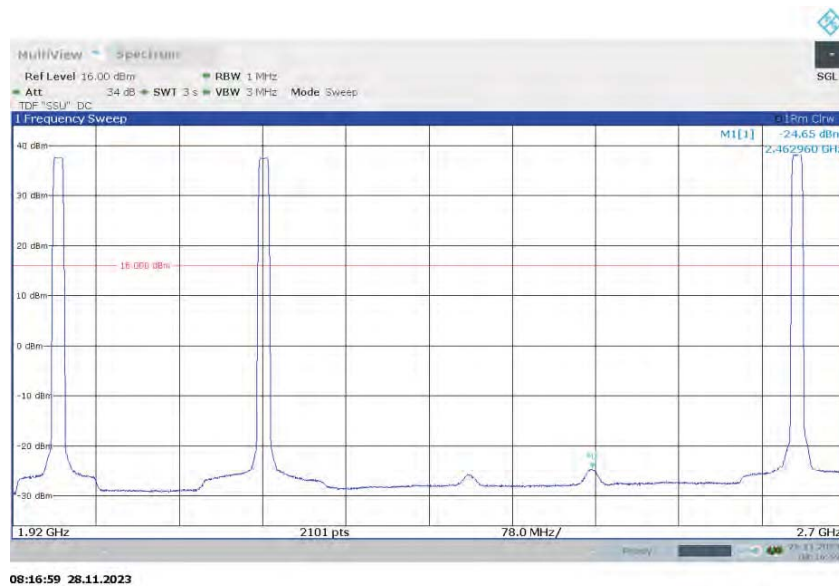
Spurious Emissions (Upper Band Edge 2692-2712MHz) – QPSK (2685 MHz)
(Band 7 NB-IoT GB 10MHz Channel BW)



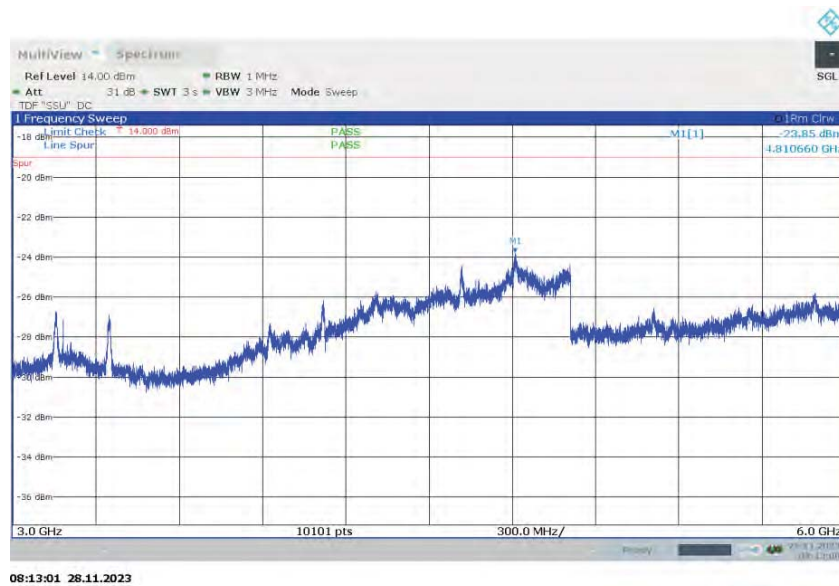
Spurious Emissions (9kHz - 1GHz) - QPSK (2655 MHz) (Band 7 NB-IoT GB 10MHz Channel BW)



Spurious Emissions (1GHz - 3GHz) - QPSK (2655 MHz) (Band 7 NB-IoT GB 10MHz Channel BW)



Spurious Emissions (1.92GHz - 2.7GHz) - QPSK (2655 MHz) (Band 7 NB-IoT GB 10MHz Channel BW)

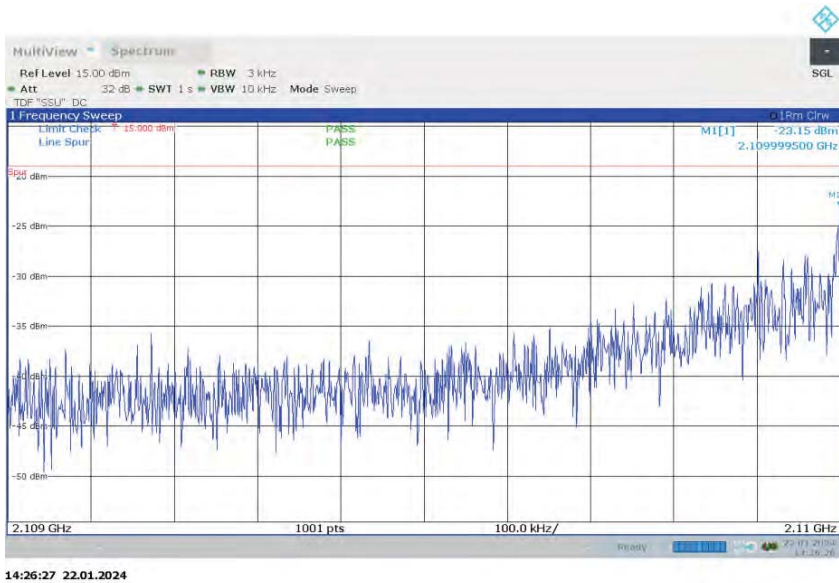


Spurious Emissions (3GHz - 6GHz) - QPSK (2655 MHz) (Band 7 NB-IoT GB 10MHz Channel BW)

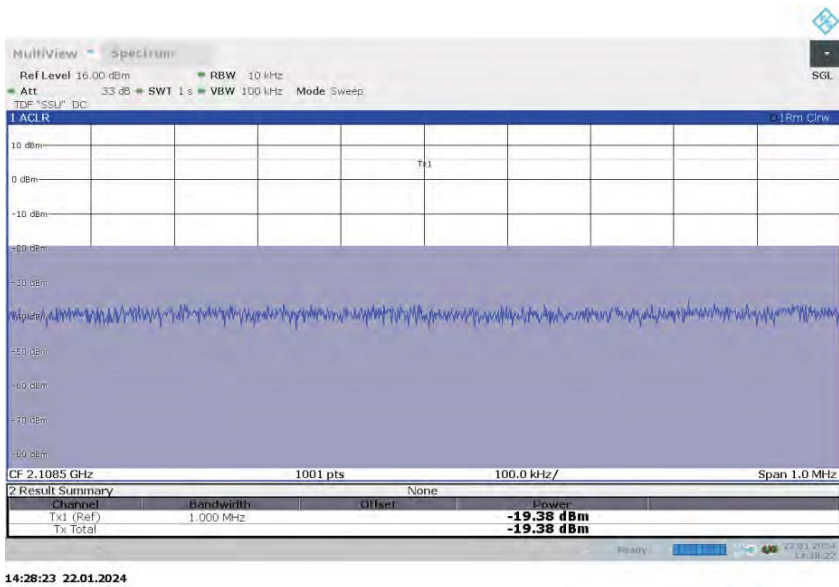


**Spurious Emissions (6GHz – 27GHz) - QPSK (2655 MHz) (Band 7 NB-IoT GB
10MHz Channel BW)**

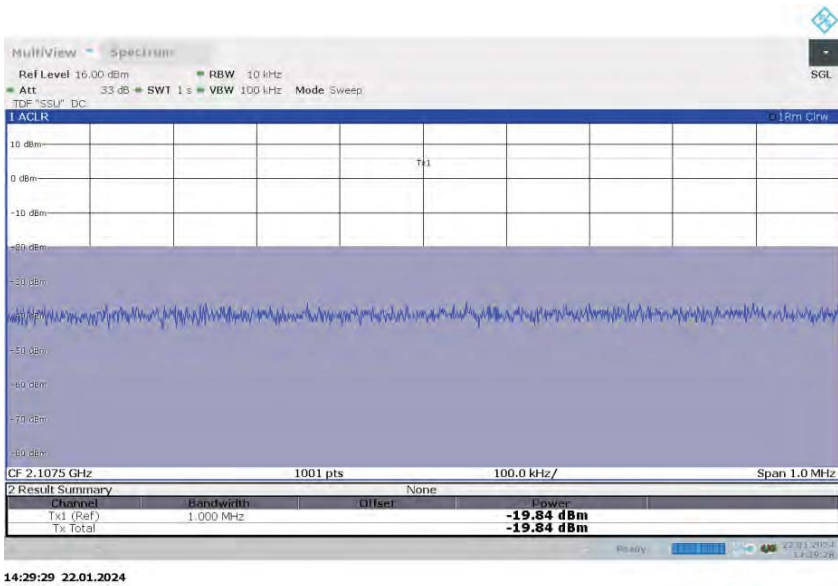
Config J TX port 1:



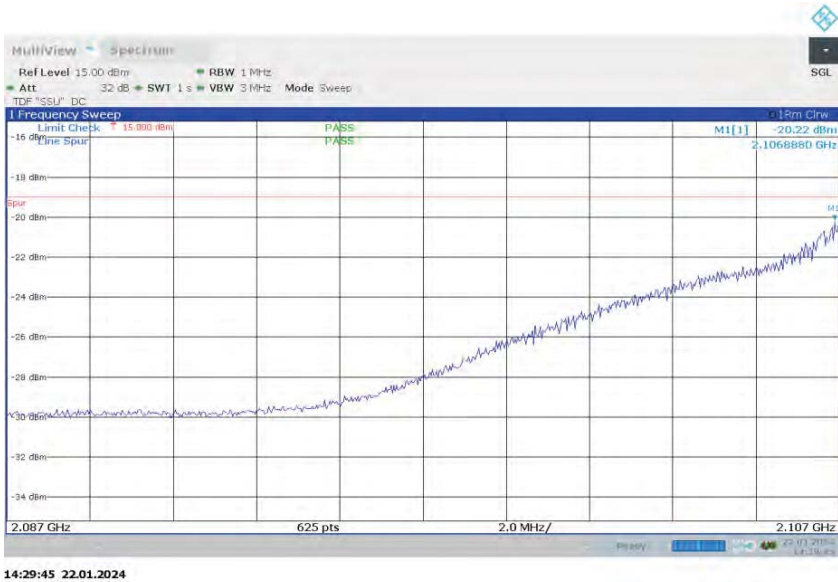
Spurious Emissions (Lower Band Edge 2109-2110MHz) – QPSK (2110.2 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



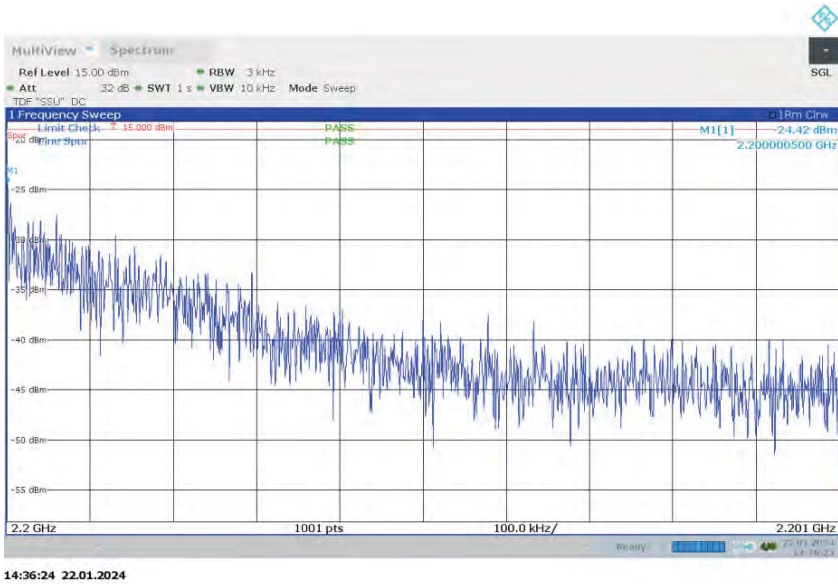
Spurious Emissions (Lower Band Edge 2108-2109MHz) – QPSK (2110.2 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



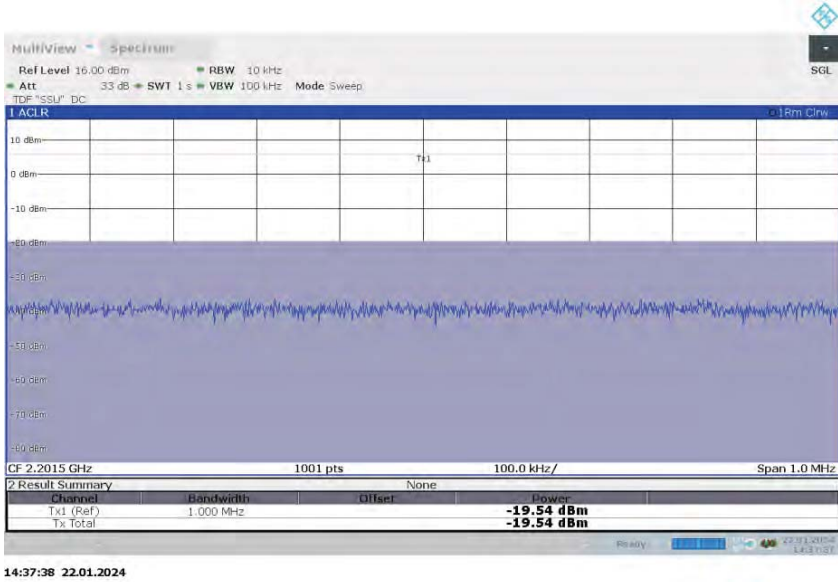
Spurious Emissions (Lower Band Edge 2107-2108MHz) – QPSK (2110.2 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



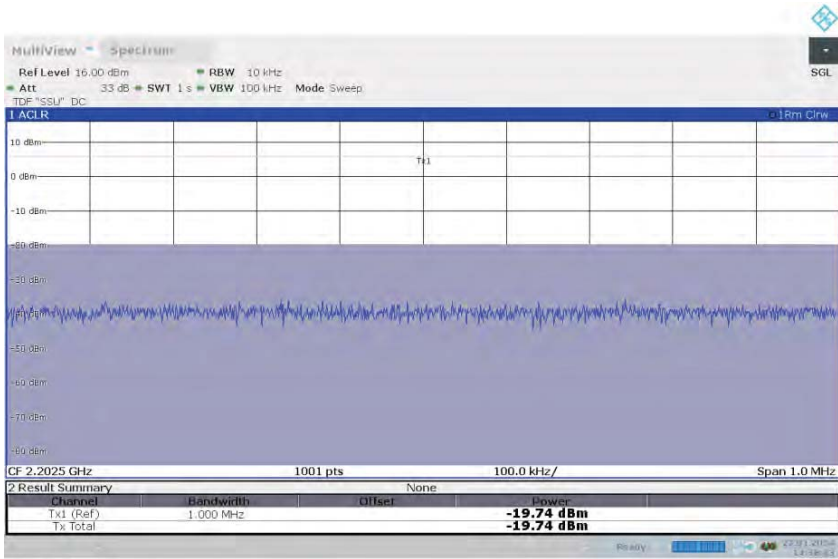
Spurious Emissions (Lower Band Edge 2087-2107MHz) – QPSK (2110.2 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



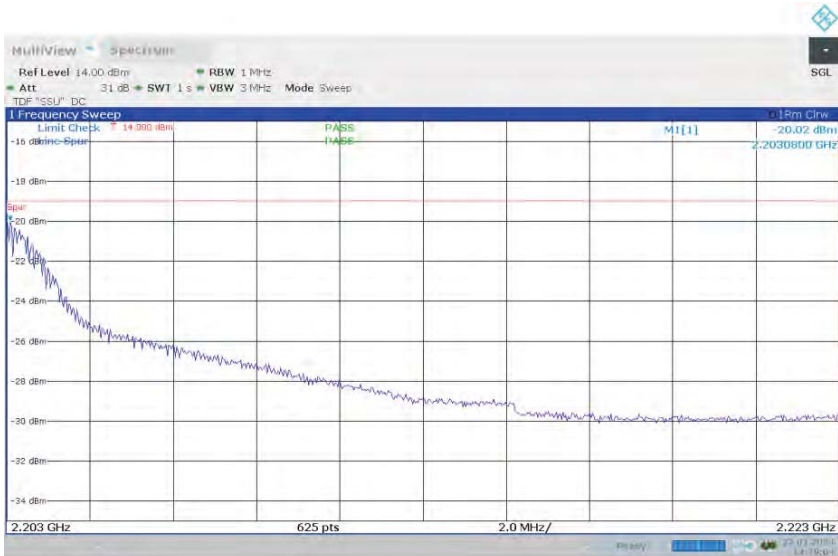
Spurious Emissions (Upper Band Edge 2200-2201MHz) – QPSK (2199.8 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



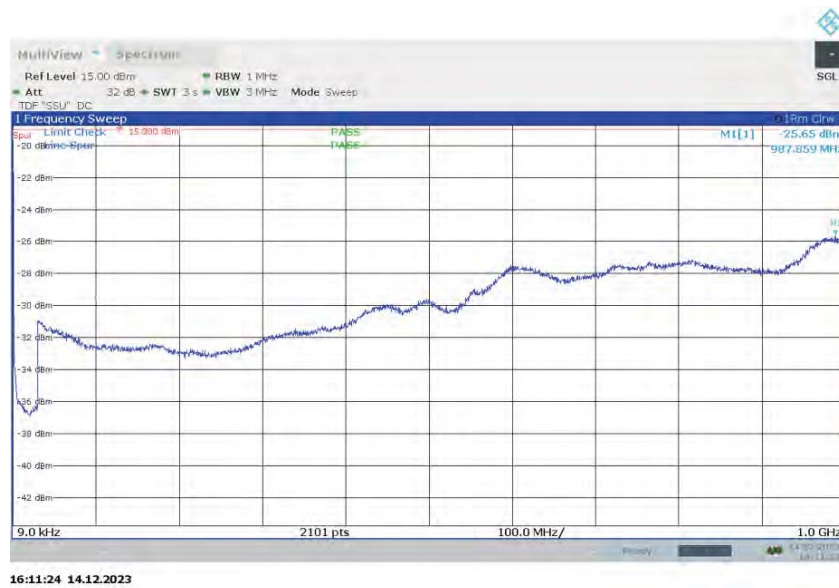
Spurious Emissions (Upper Band Edge 2201-2202MHz) – QPSK (2199.8 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



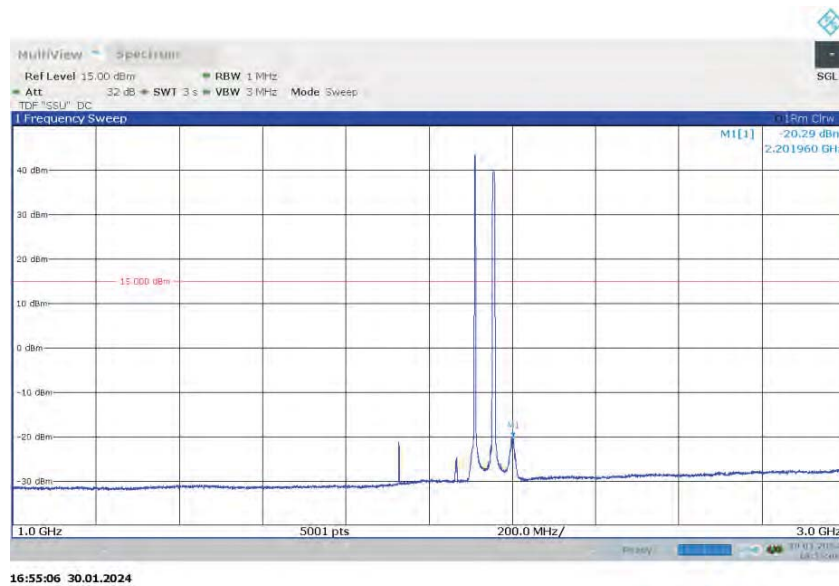
Spurious Emissions (Upper Band Edge 2202-2203MHz) – QPSK (2199.8 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



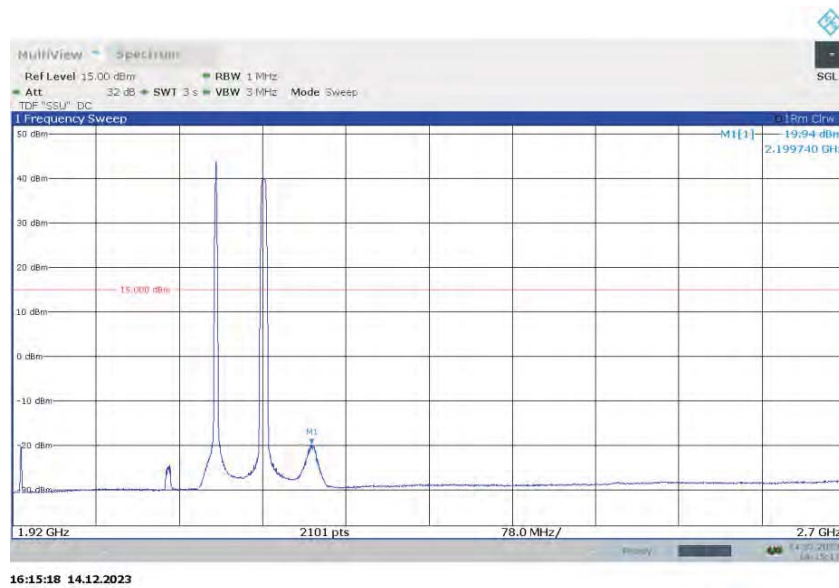
Spurious Emissions (Upper Band Edge 2203-2223MHz) – QPSK (2199.8 MHz)
(Band 66 NB-IoT SA 200kHz Channel BW)



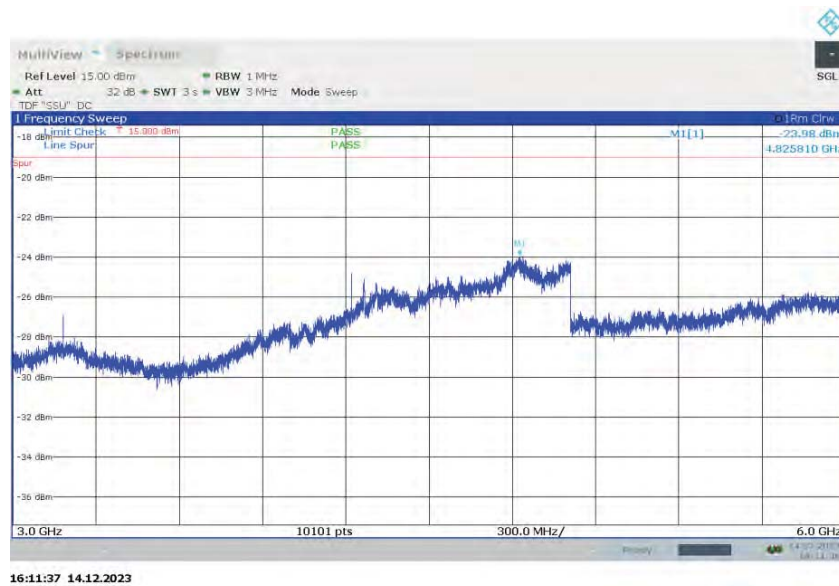
Spurious Emissions (9kHz - 1GHz) - QPSK (2110.2 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



Spurious Emissions (1GHz – 3GHz) - QPSK (2110.2 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



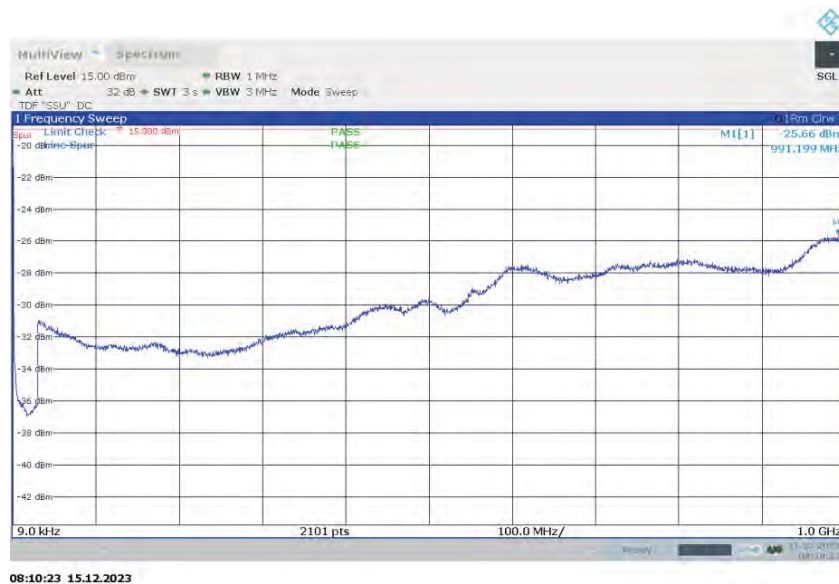
Spurious Emissions (1.92GHz – 2.7GHz) - QPSK (2110.2 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



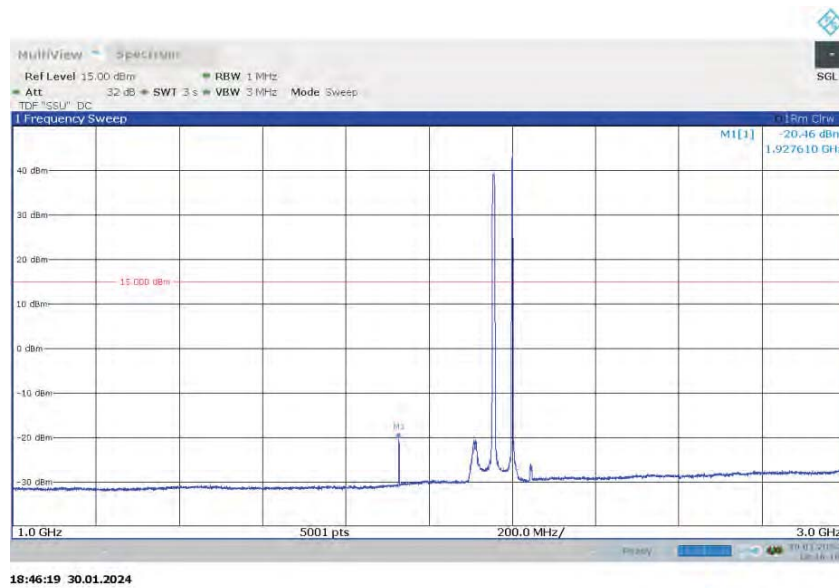
Spurious Emissions (3GHz – 6GHz) - QPSK (2110.2 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



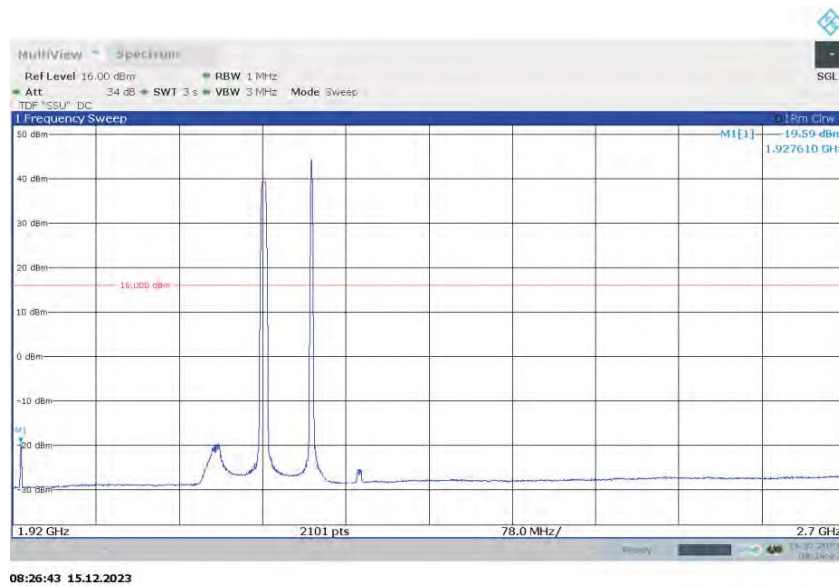
Spurious Emissions (6GHz – 27GHz) - QPSK (2110.2 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



Spurious Emissions (9kHz - 1GHz) - QPSK (2199.8 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



Spurious Emissions (1GHz – 3GHz) - QPSK (2199.8 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)



Spurious Emissions (1.92GHz – 2.7GHz) - QPSK (2199.8 MHz) (Band 66 NB-IoT SA 200kHz Channel BW)