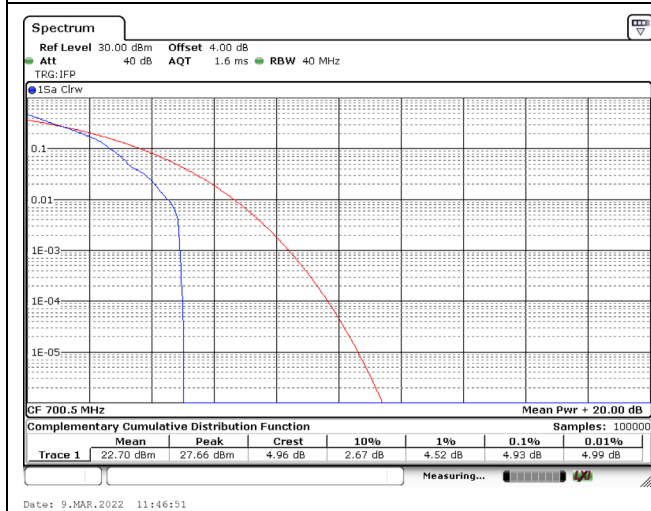
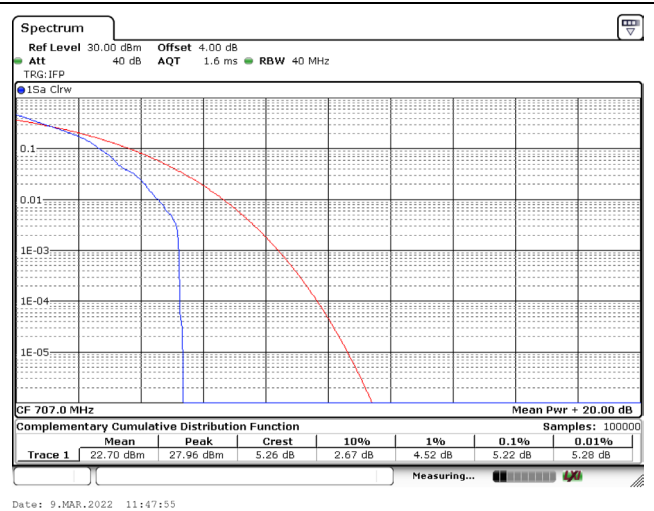
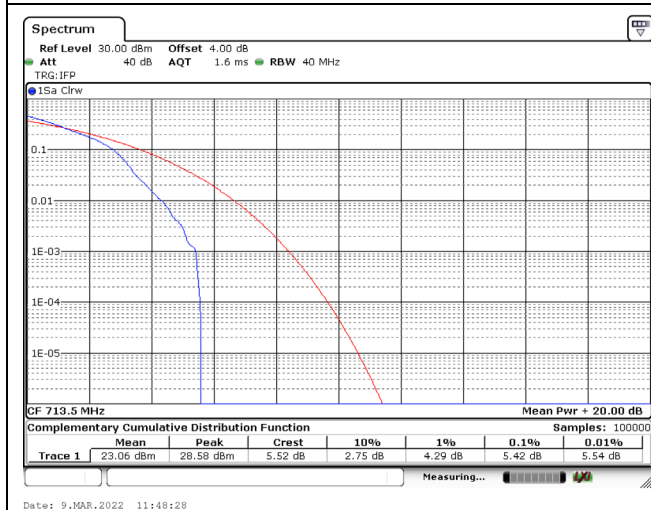
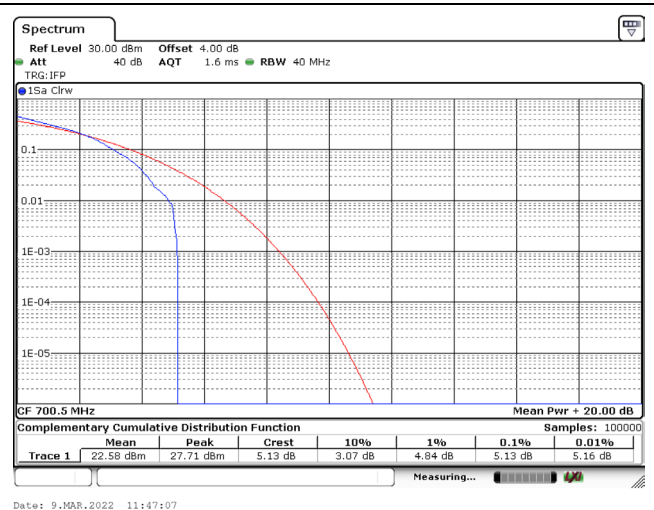
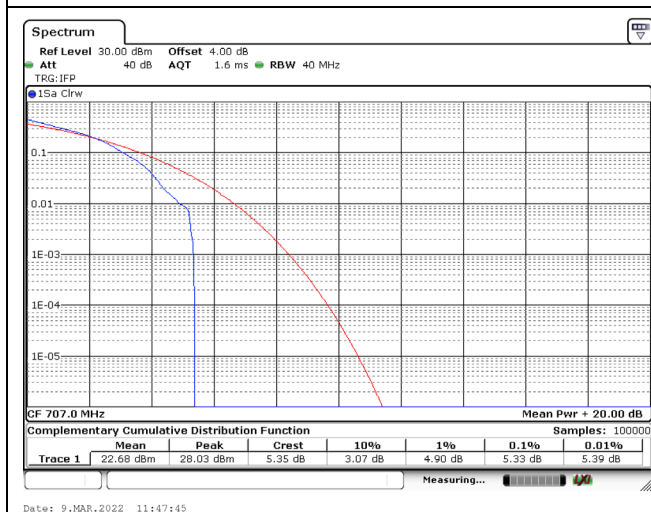
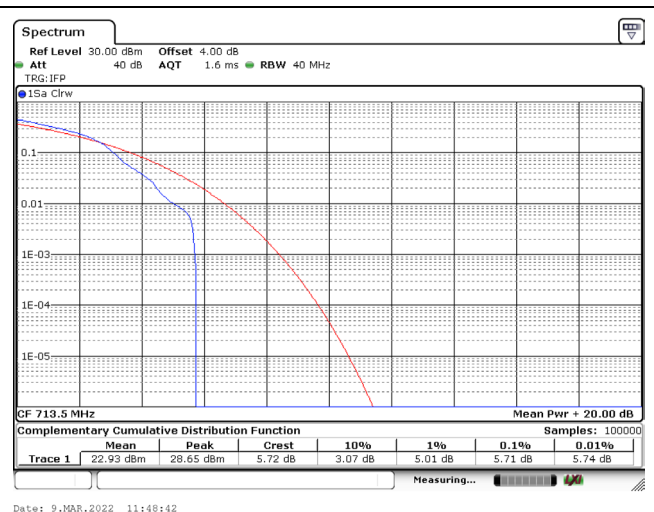
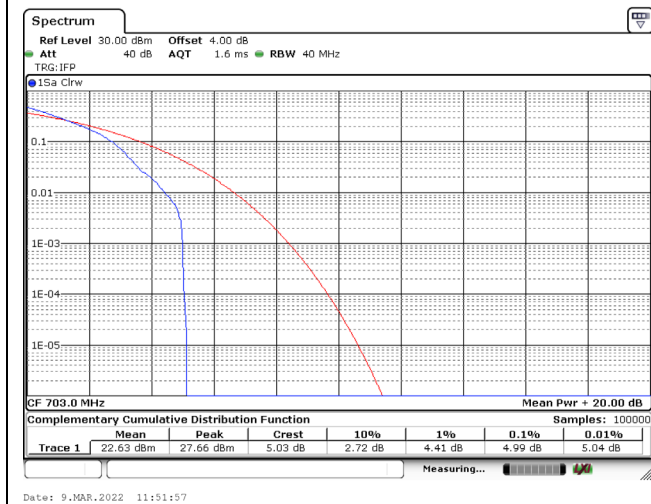
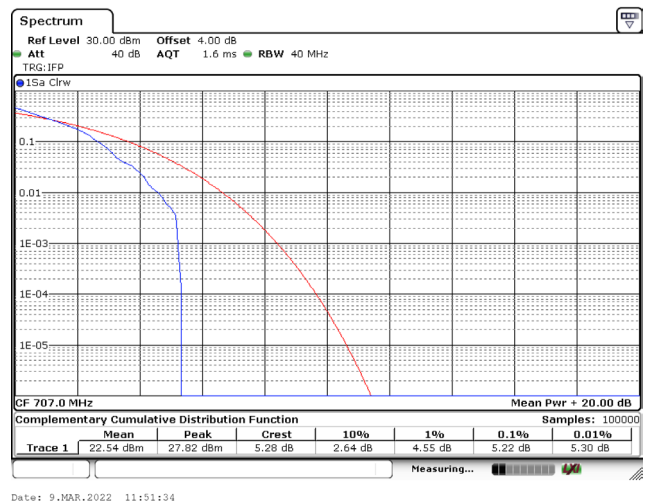


Mode 2: Cat-M1 Band 85**5 MHz / QPSK / CH134027 / 1RB0****5 MHz / QPSK / CH134092 / 1RB0****5 MHz / QPSK / CH134157 / 1RB5****5 MHz / 16-QAM / CH134027 / 1RB0****5 MHz / 16-QAM / CH134092 / 1RB0****5 MHz / 16-QAM / CH134157 / 1RB5**

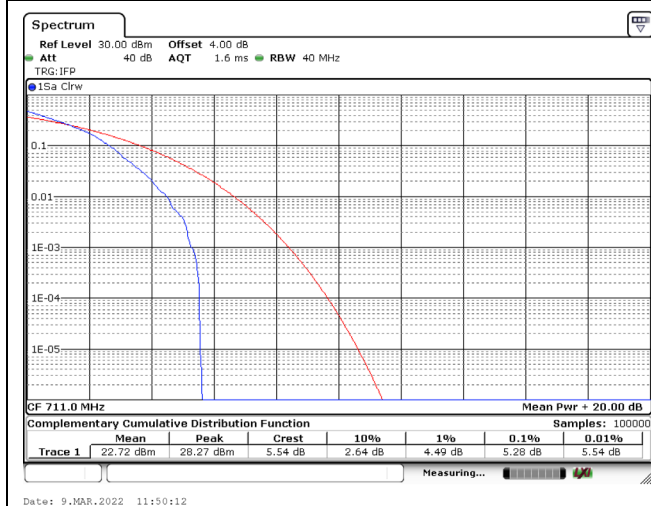
10 MHz / QPSK / CH134052 / 1RB0



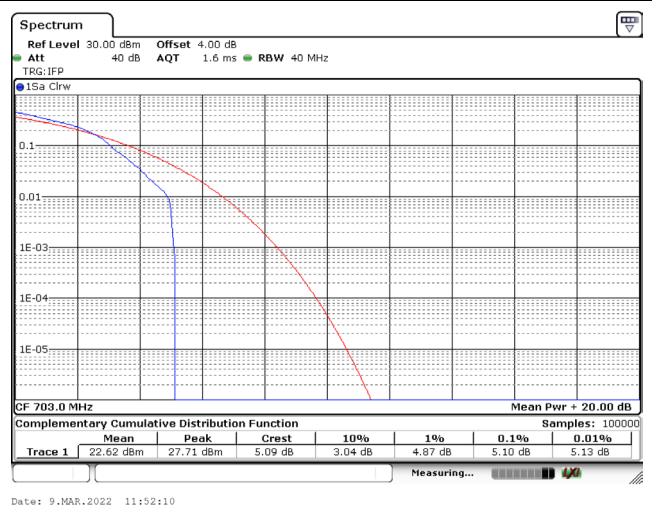
10 MHz / QPSK / CH134092 / 1RB0



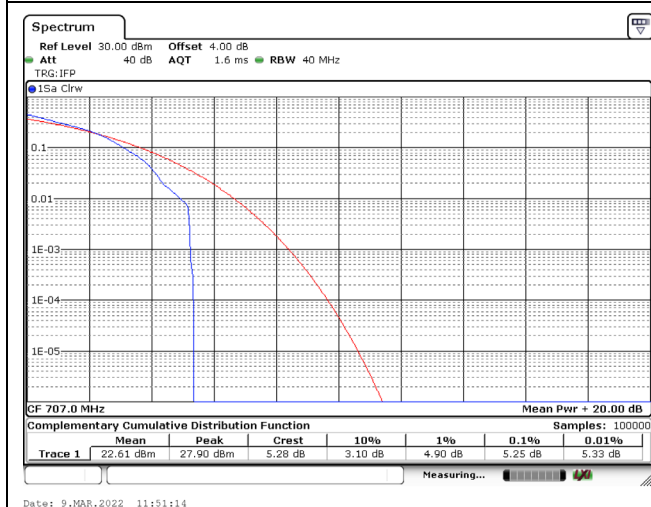
10 MHz / QPSK / CH134132 / 1RB5



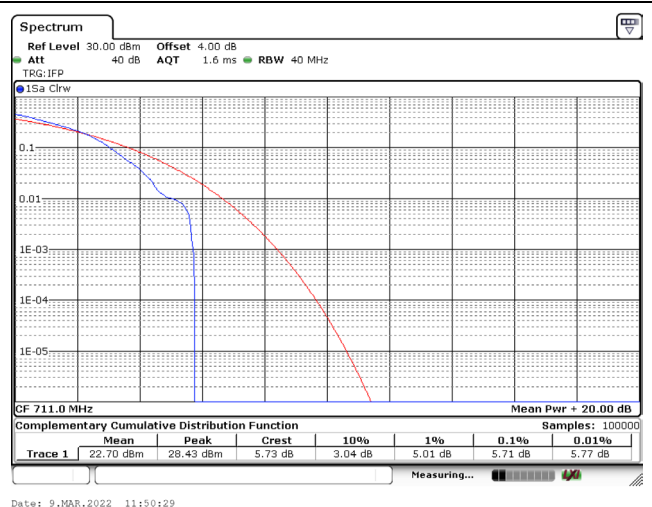
10 MHz / 16-QAM / CH134052 / 1RB0



10 MHz / 16-QAM / CH134092 / 1RB0

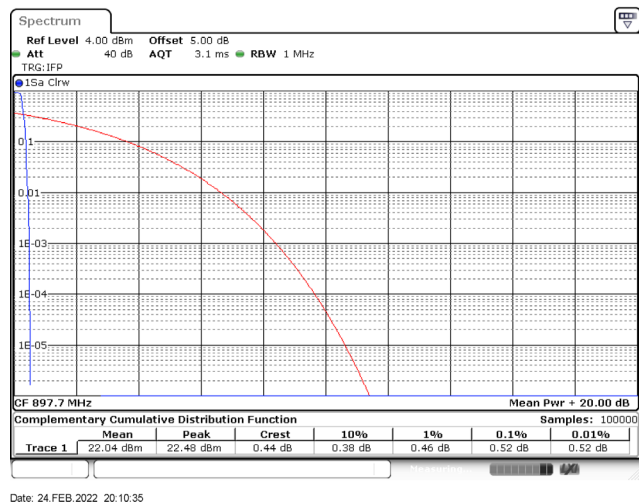


10 MHz / 16-QAM / CH134132 / 1RB5

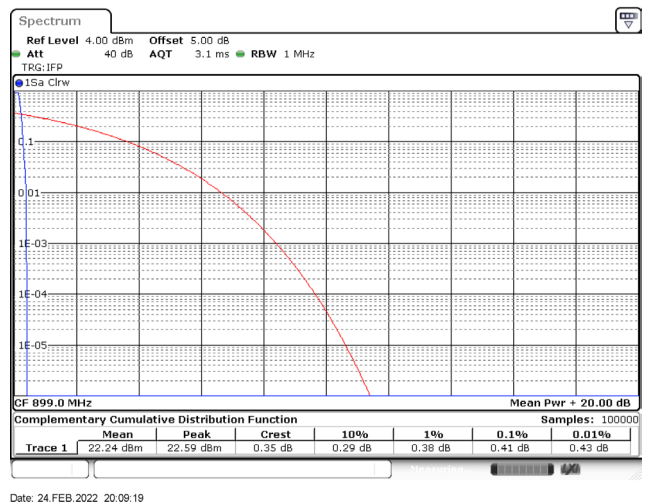


Mode 3: NB-IoT Band 8 (FCC only)

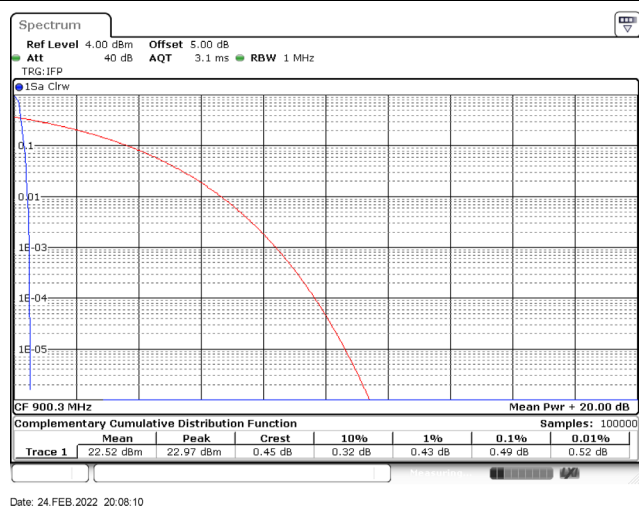
3.75 kHz / BPSK / CH21627 / 1RB0



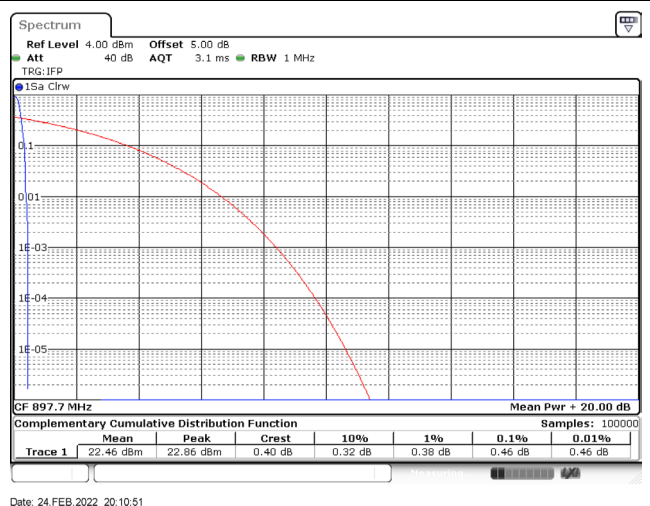
3.75 kHz / BPSK / CH21640 / 1RB0



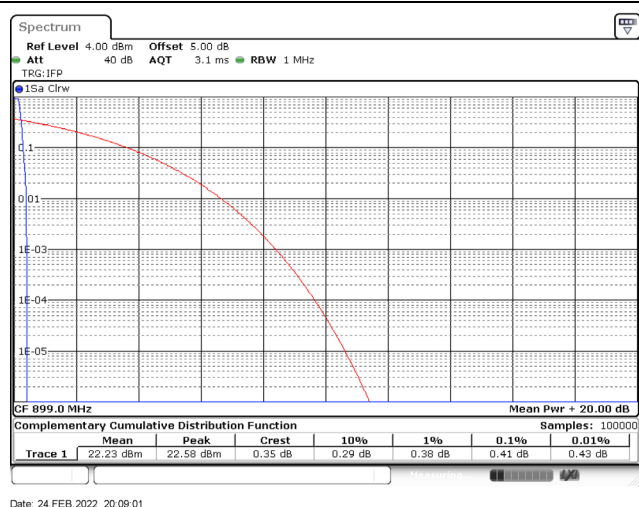
3.75 kHz / BPSK / CH21653 / 1RB47



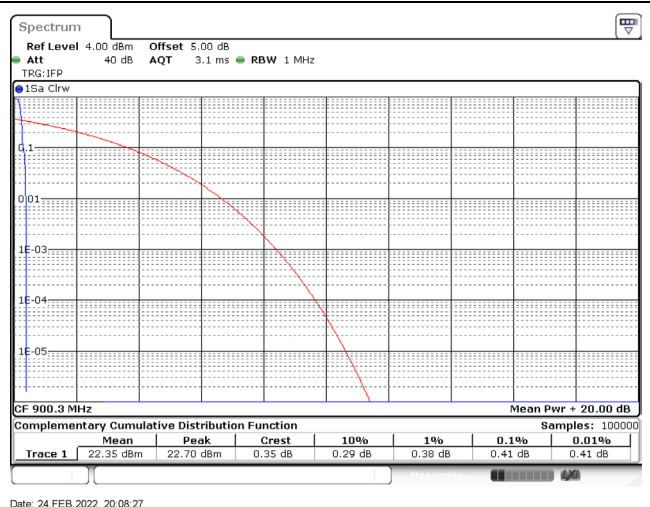
3.75 kHz / QPSK / CH21627 / 1RB0



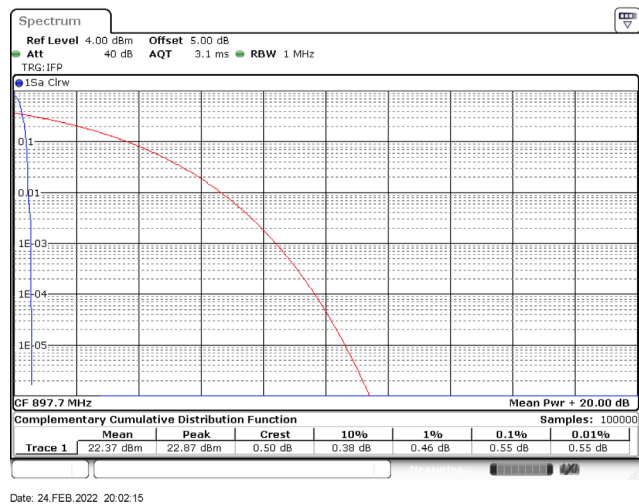
3.75 kHz / QPSK / CH21640 / 1RB0



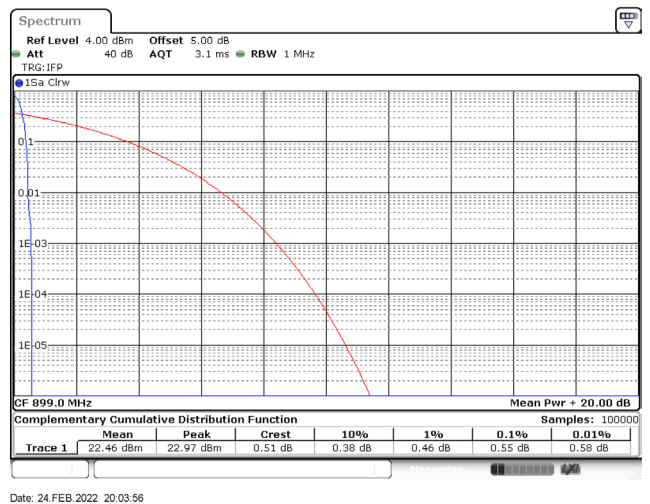
3.75 kHz / QPSK / CH21653 / 1RB47



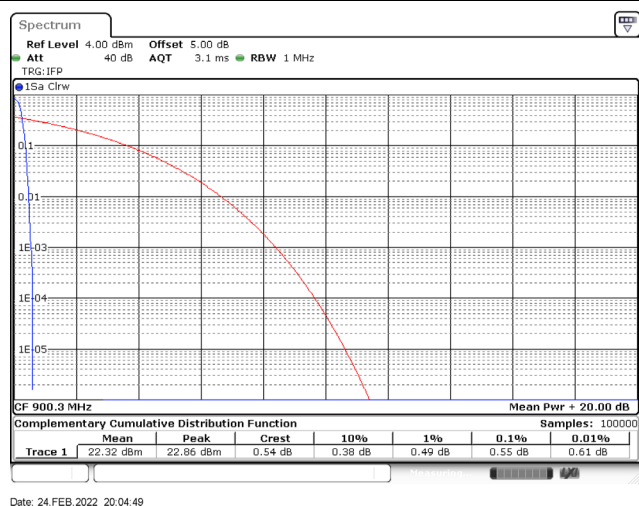
15 kHz / BPSK / CH21627 / 1RB0



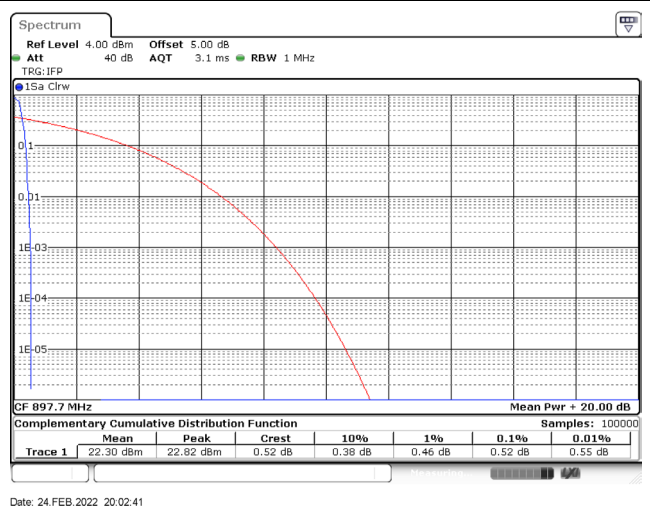
15 kHz / BPSK / CH21640 / 1RB0



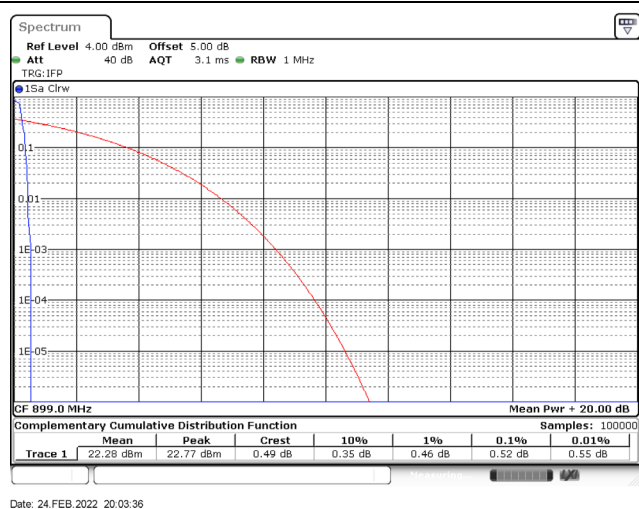
15 kHz / BPSK / CH21653 / 1RB11



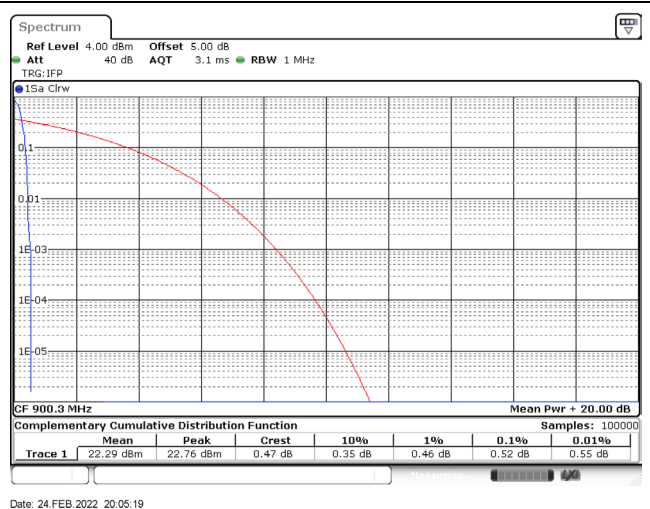
15 kHz / QPSK / CH21627 / 1RB0



15 kHz / QPSK / CH21640 / 1RB0

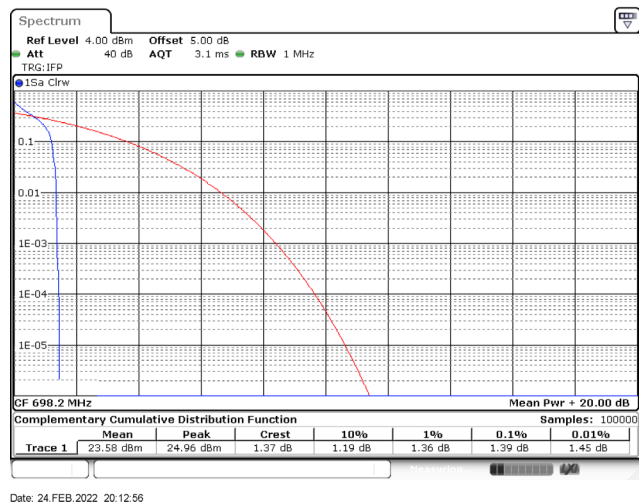


15 kHz / QPSK / CH21653 / 1RB11

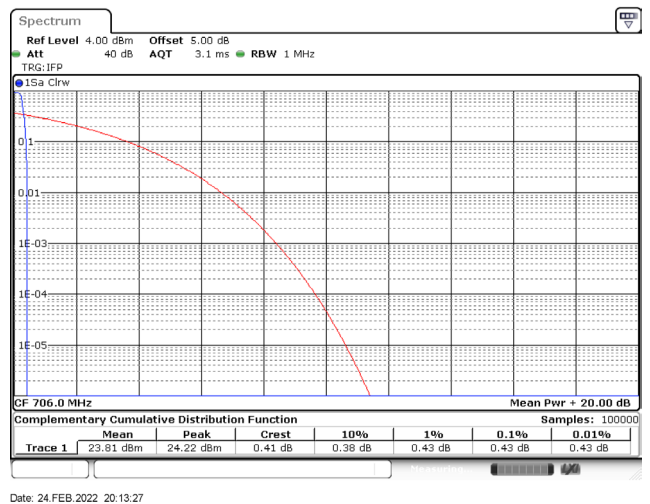


Mode 4: NB-IoT Band 85

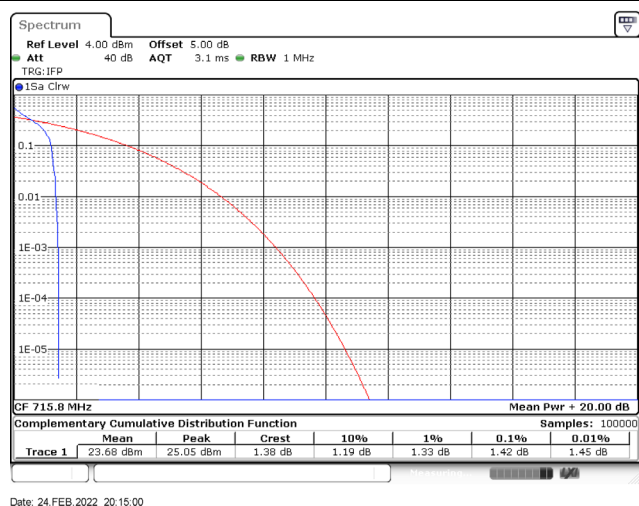
3.75 kHz / BPSK / CH134004 / 1RB0



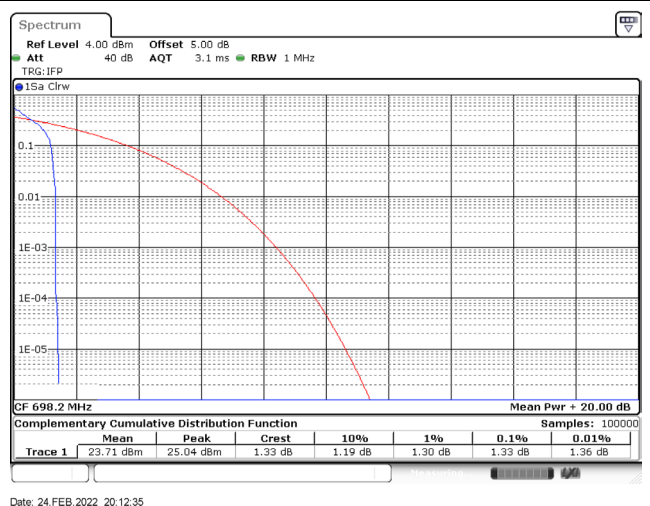
3.75 kHz / BPSK / CH134082 / 1RB0



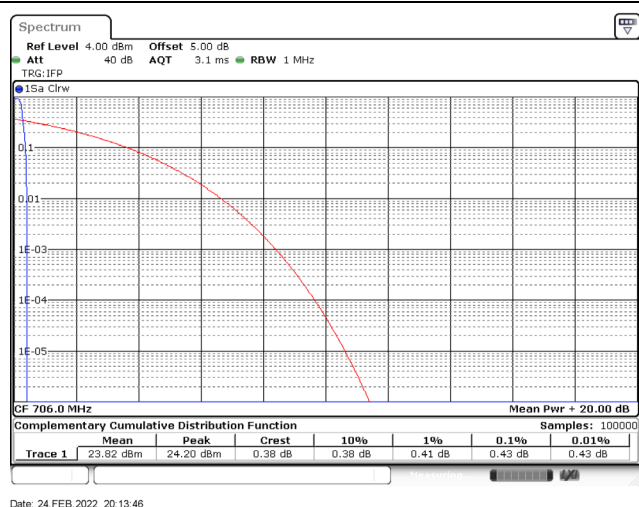
3.75 kHz / BPSK / CH134180 / 1RB47



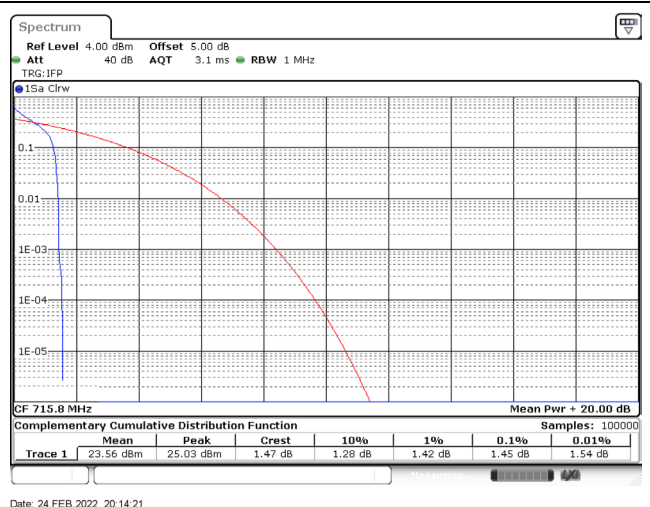
3.75 kHz / QPSK / CH134004 / 1RB0



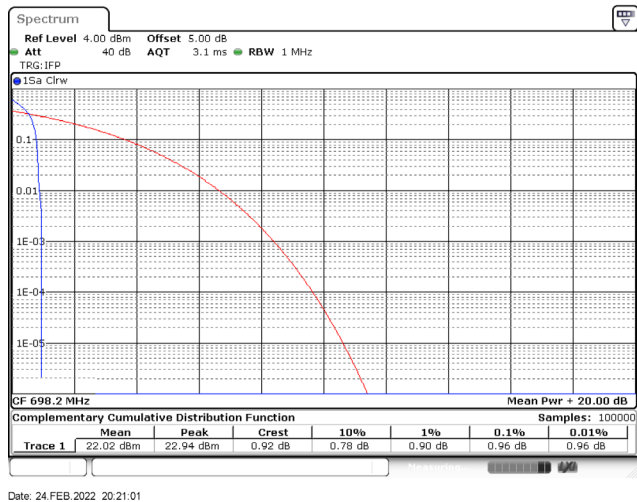
3.75 kHz / QPSK / CH134082 / 1RB0



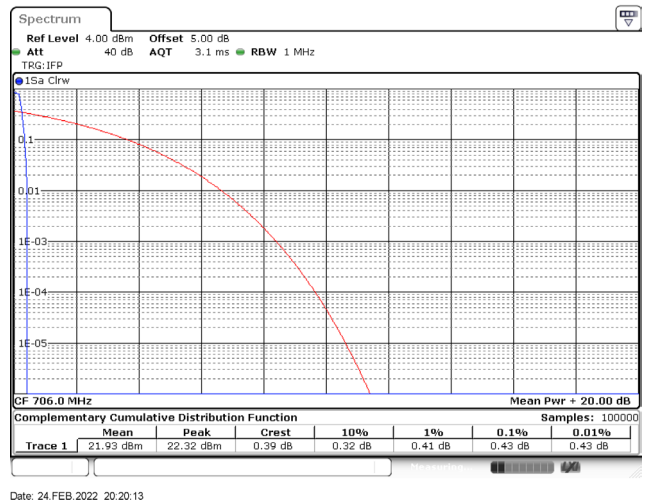
3.75 kHz / QPSK / CH134180 / 1RB47



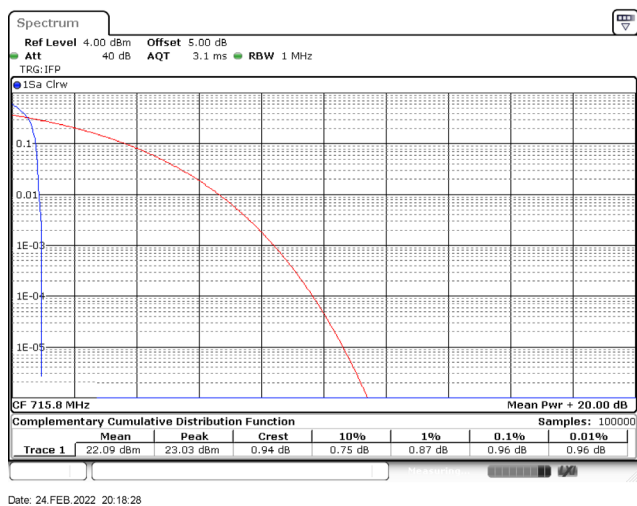
15 kHz / BPSK / CH134004 / 1RB0



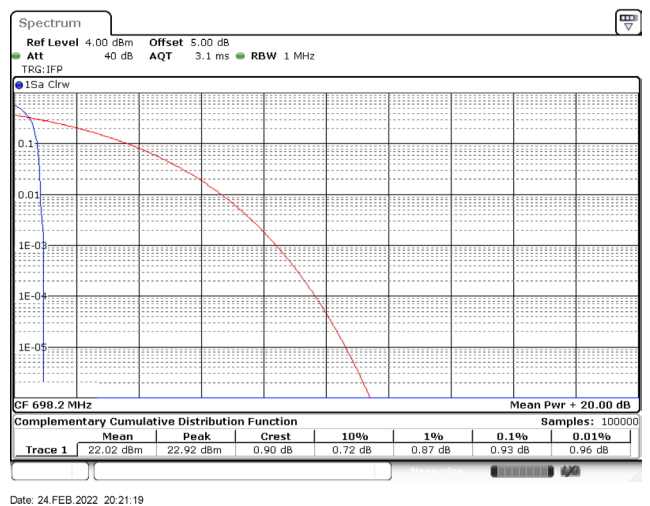
15 kHz / BPSK / CH134082 / 1RB0



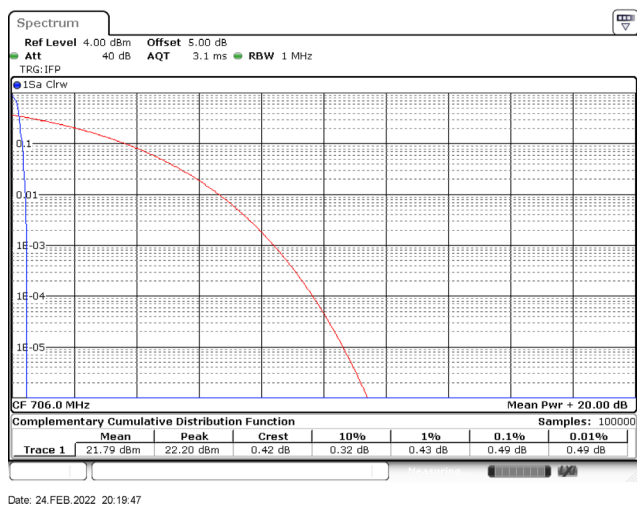
15 kHz / BPSK / CH134180 / 1RB11



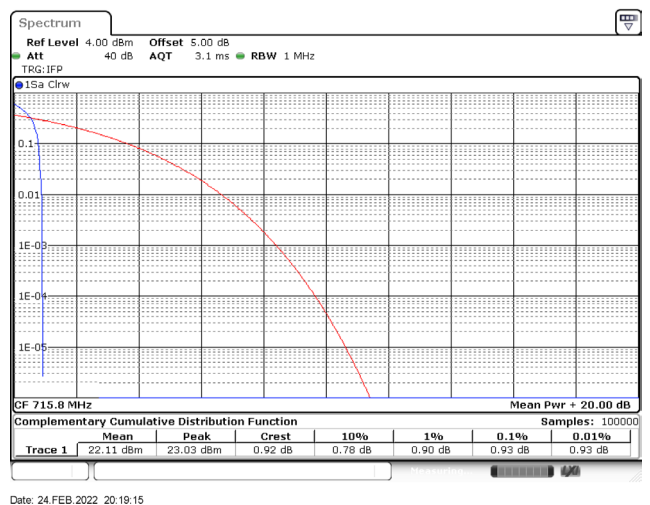
15 kHz / QPSK / CH134004 / 1RB0



15 kHz / QPSK / CH134082 / 1RB0



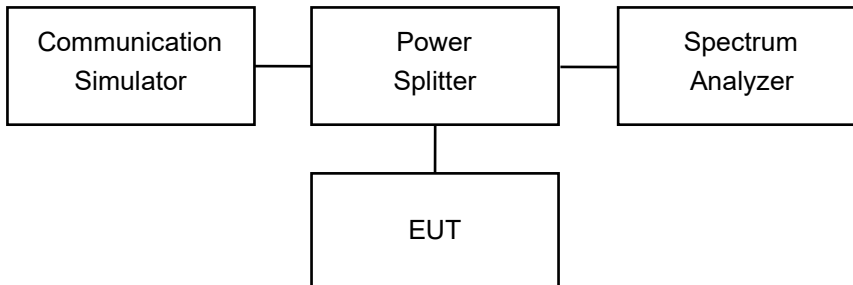
15 kHz / QPSK / CH134180 / 1RB11



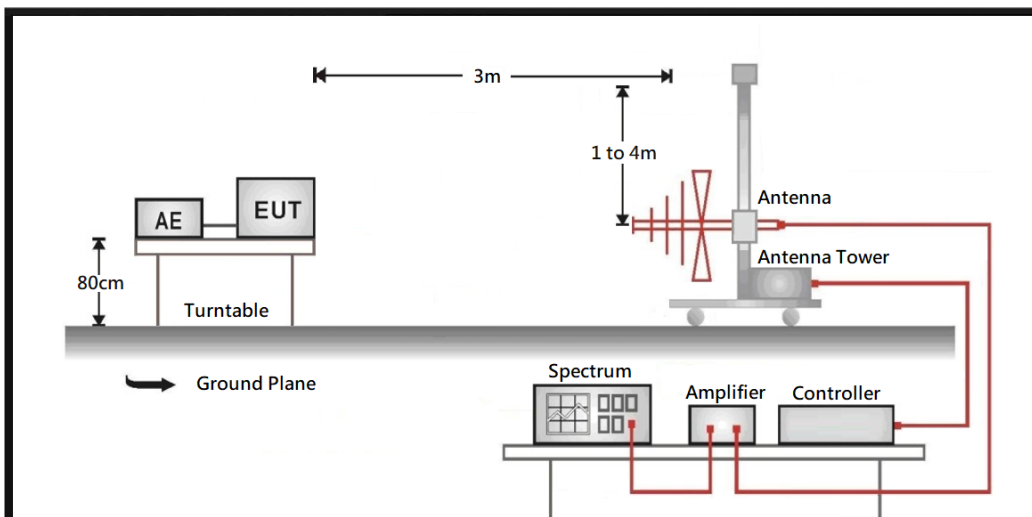
6. Spurious Emissions

6.1. Test Setup

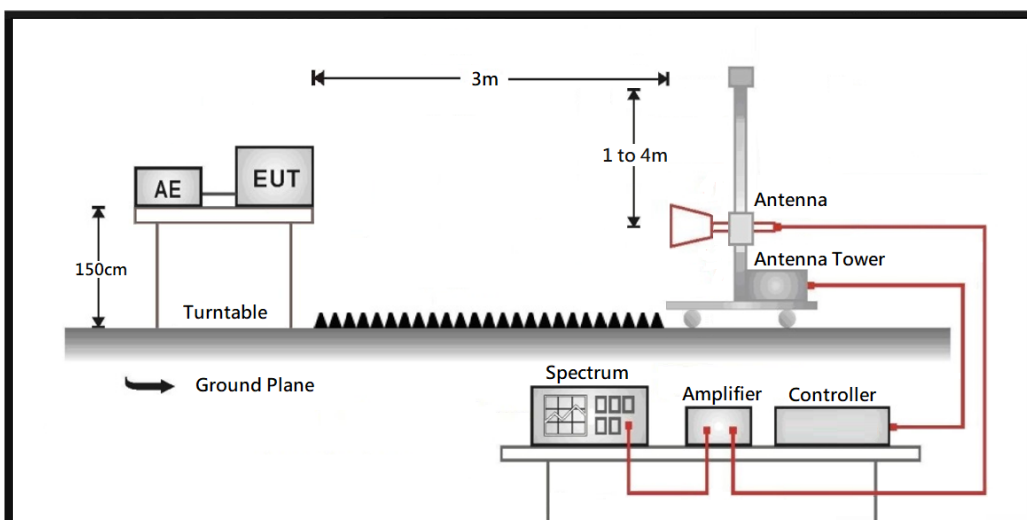
Conducted Spurious Measurement



Radiated Spurious Measurement: below 1GHz



Radiated Spurious Measurement: above 1GHz



6.2. Test Procedure

Conducted Spurious Measurement:

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. The path loss was compensated to the results for each measurement. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

Radiated Spurious Measurement:

The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations. The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic. Taking the record of maximum spurious emission.

6.3. Test Methodology and Reference Procedures

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI C63.26-2015