

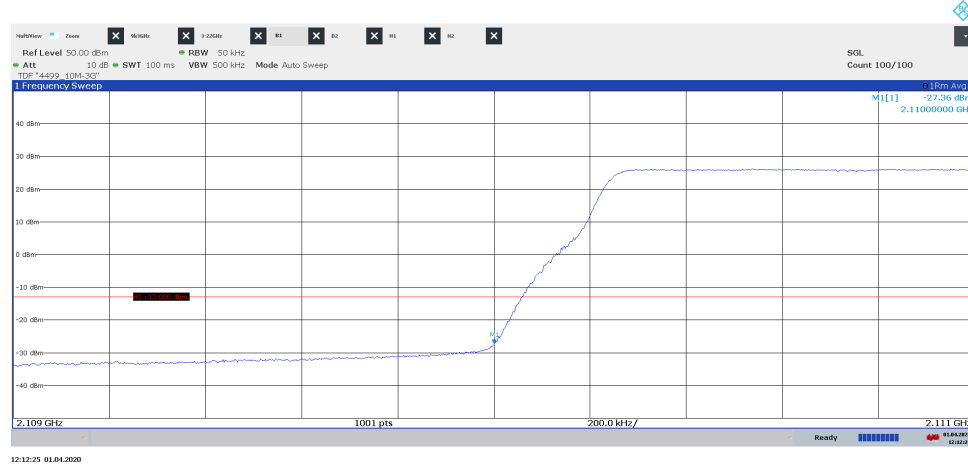
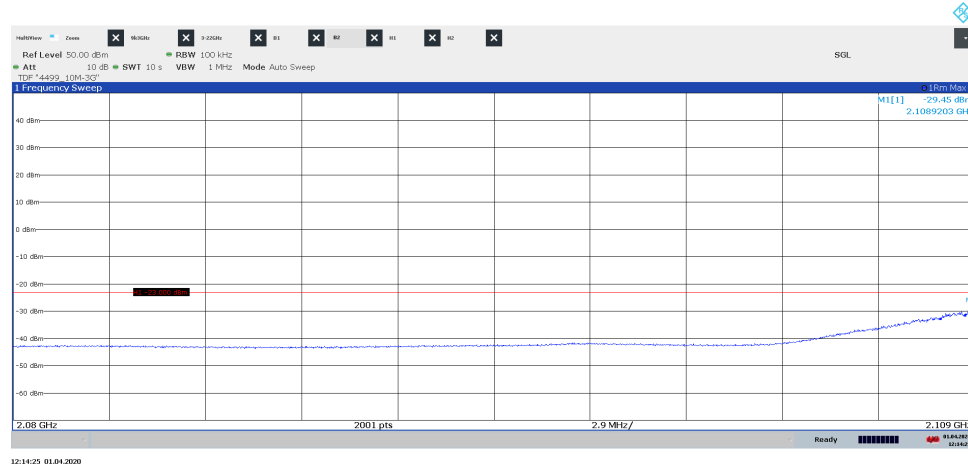
Diagram 2.33a, E-TM1.1, B<sub>5</sub>, Port D:Diagram 2.33b, E-TM1.1, B<sub>5</sub>, Port D:

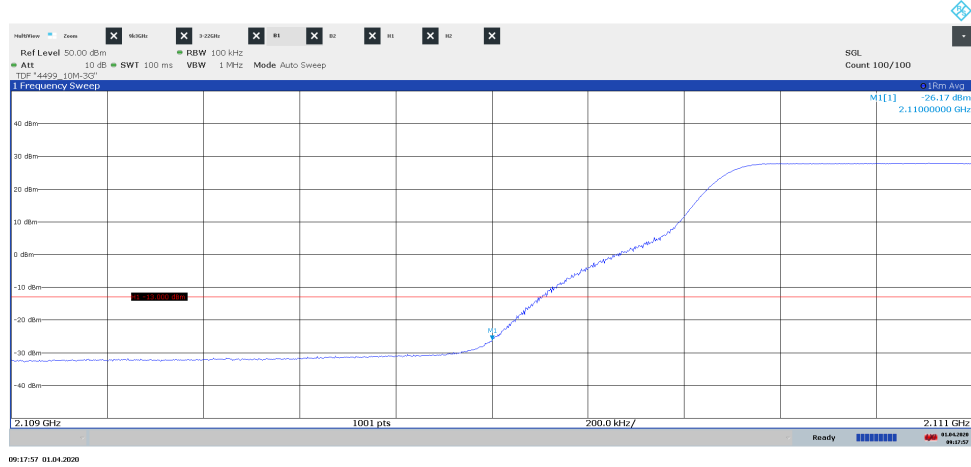
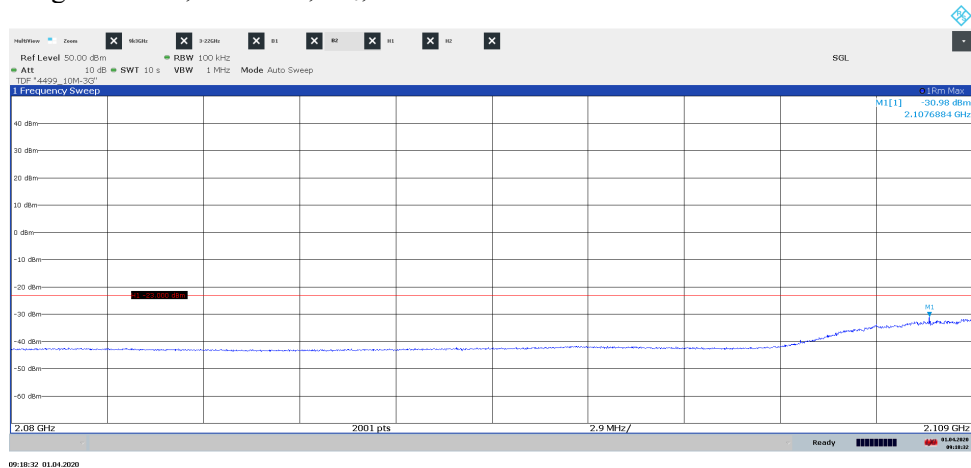
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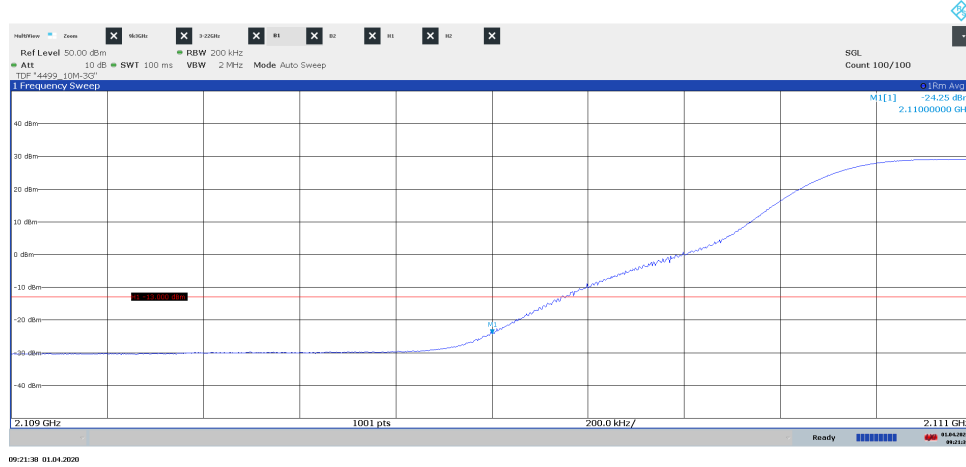
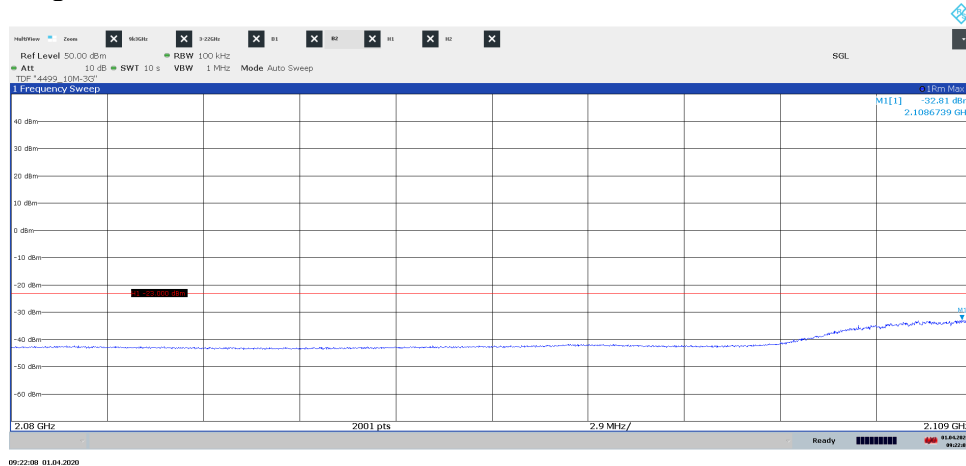
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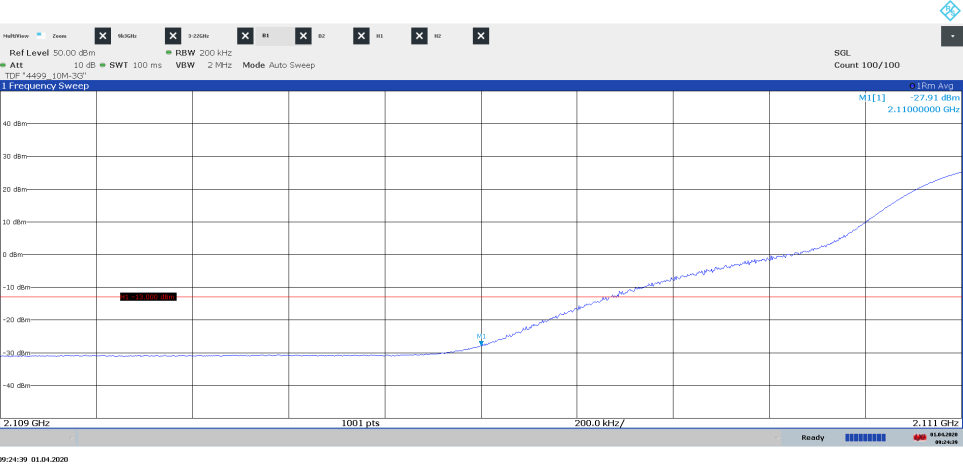
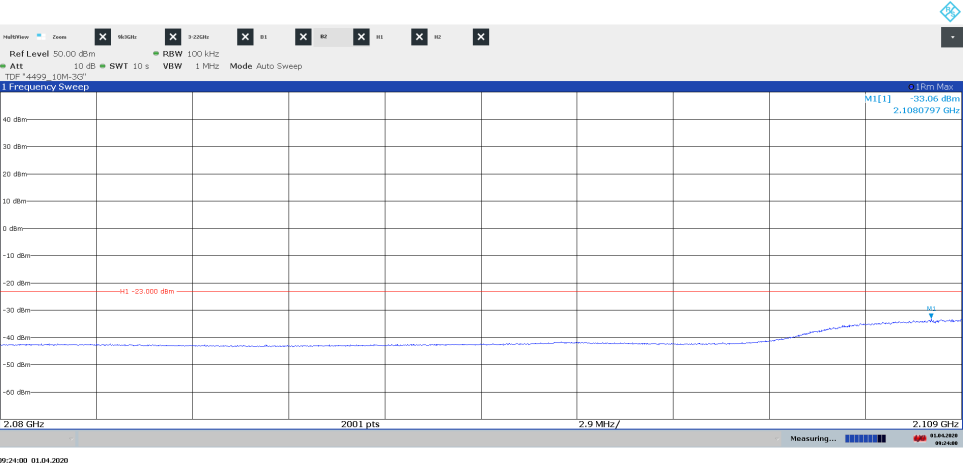
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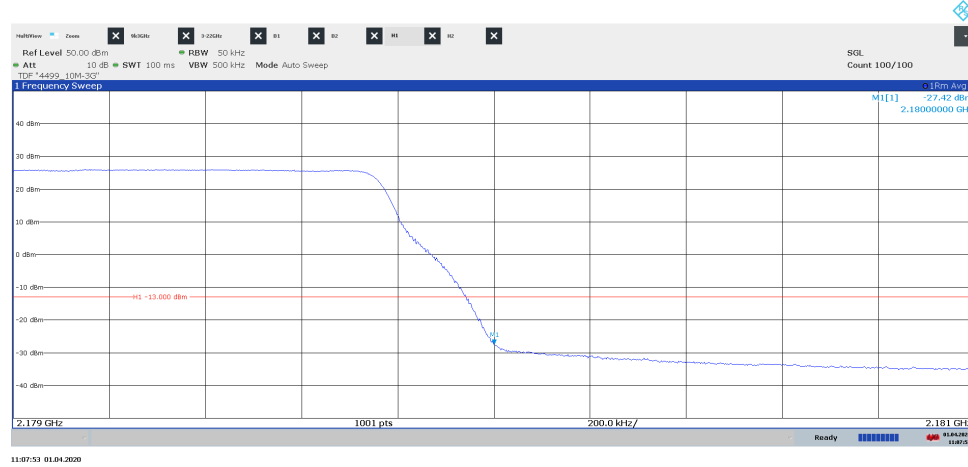
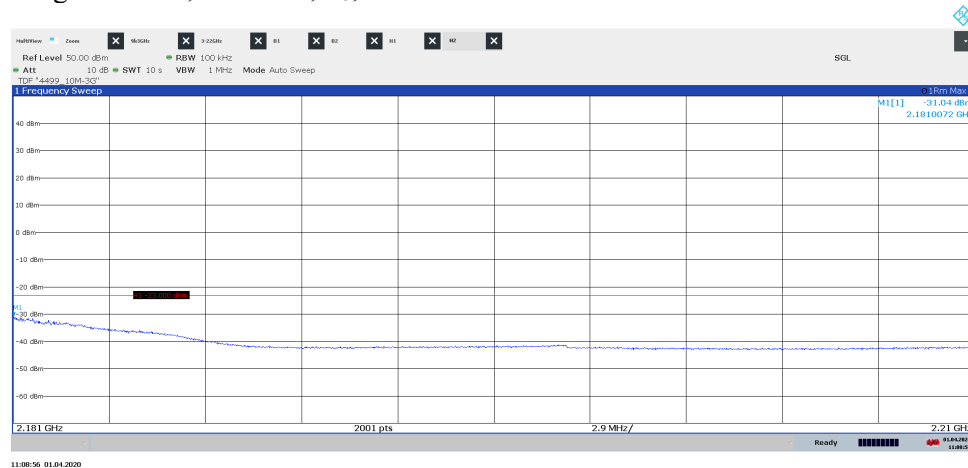
Diagram 2.37a, E-TM1.1,  $T_5$ , Port A:Diagram 2.37b, E-TM1.1,  $T_5$ , Port A:

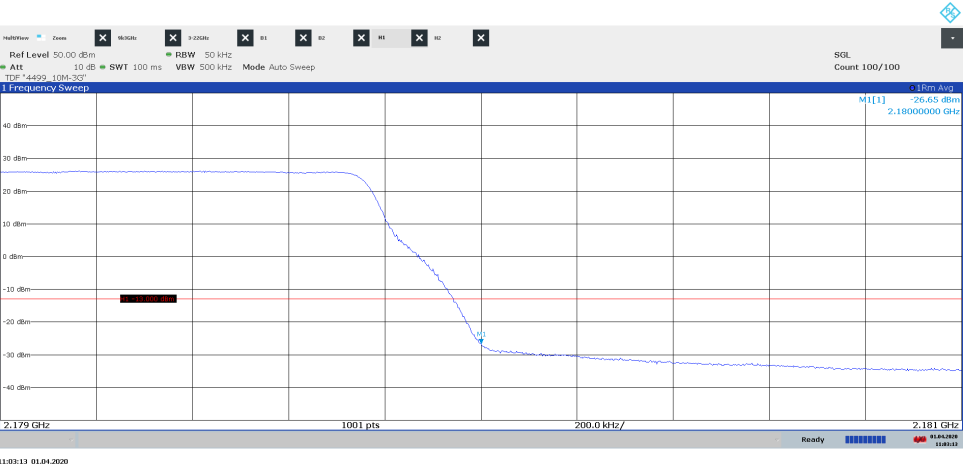
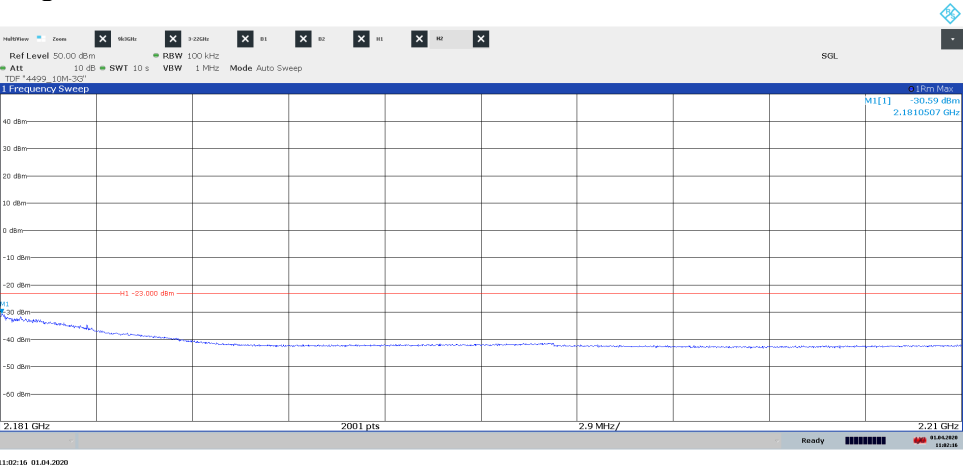
Diagram 2.38a, E-TM1.1, T<sub>5</sub>, Port B:Diagram 2.38b, E-TM1.1, T<sub>5</sub>, Port B:

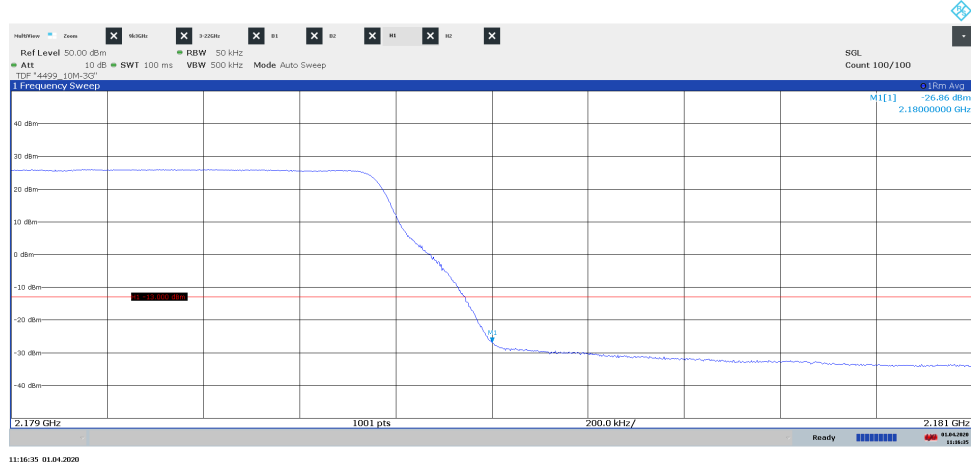
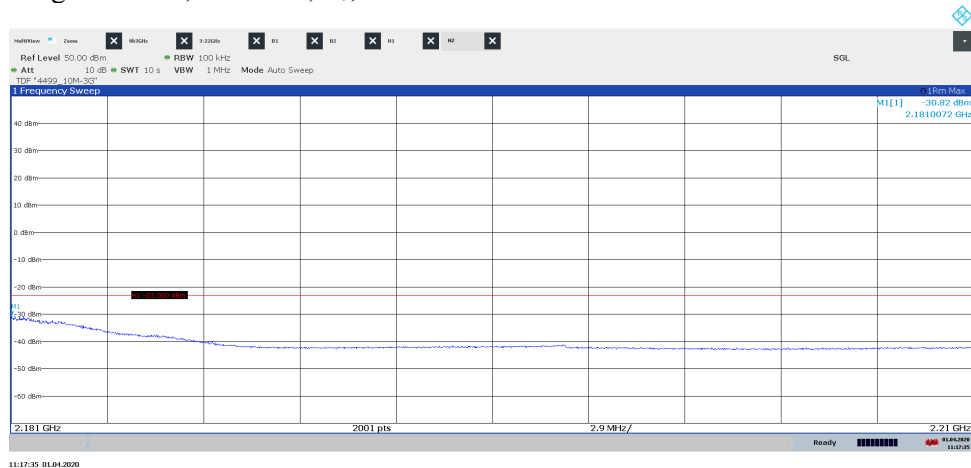
Diagram 2.39a, E-TM1.1,  $T_5$ , Port C:Diagram 2.39b, E-TM1.1,  $T_5$ , Port C:

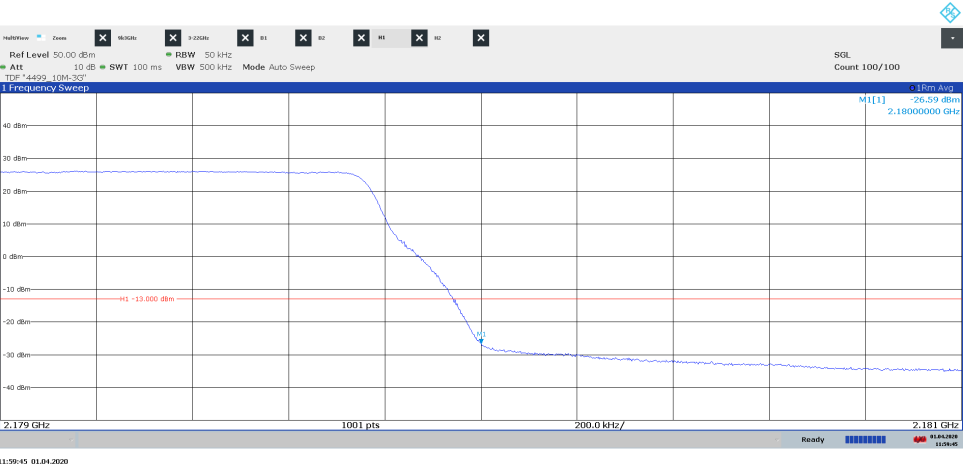
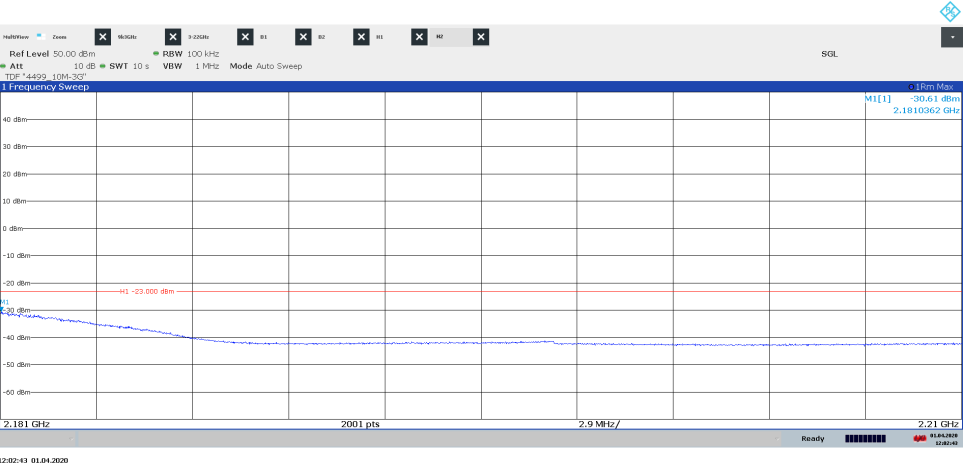
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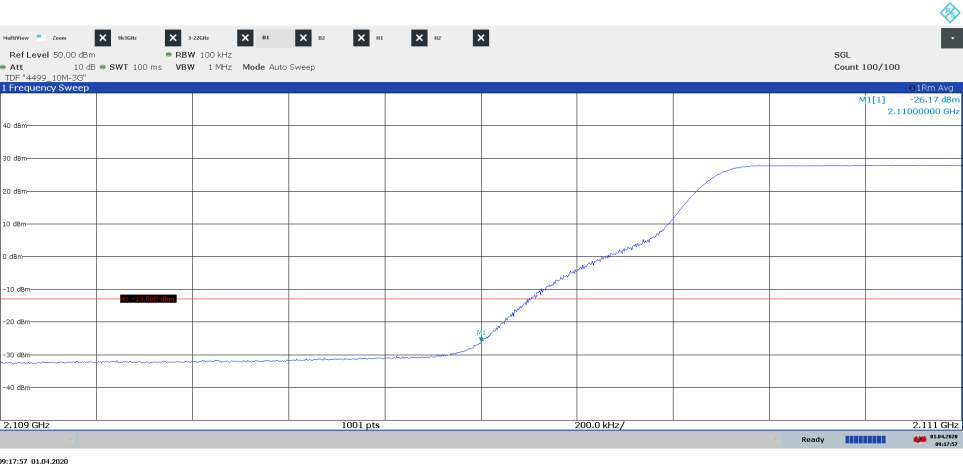
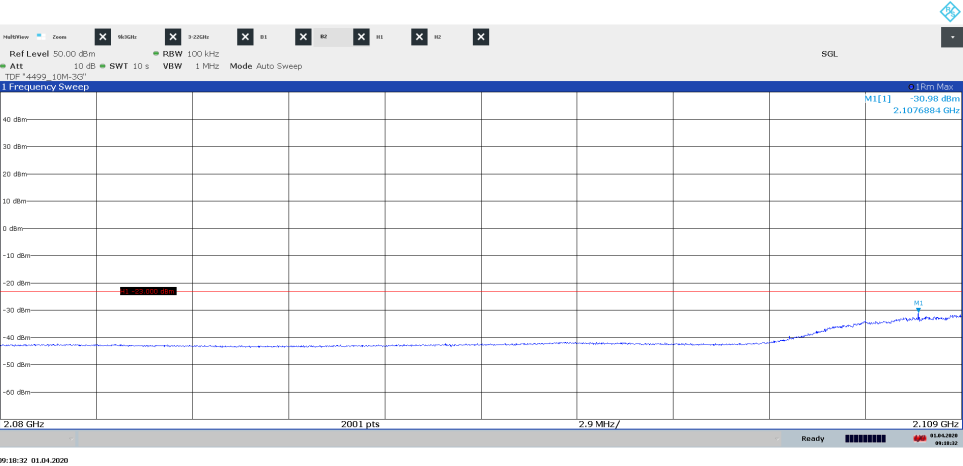
Diagram 2.41a, E-TM1.1,  $T_{10}$ , Port B:Diagram 2.41b, E-TM1.1,  $T_{10}$ , Port B:

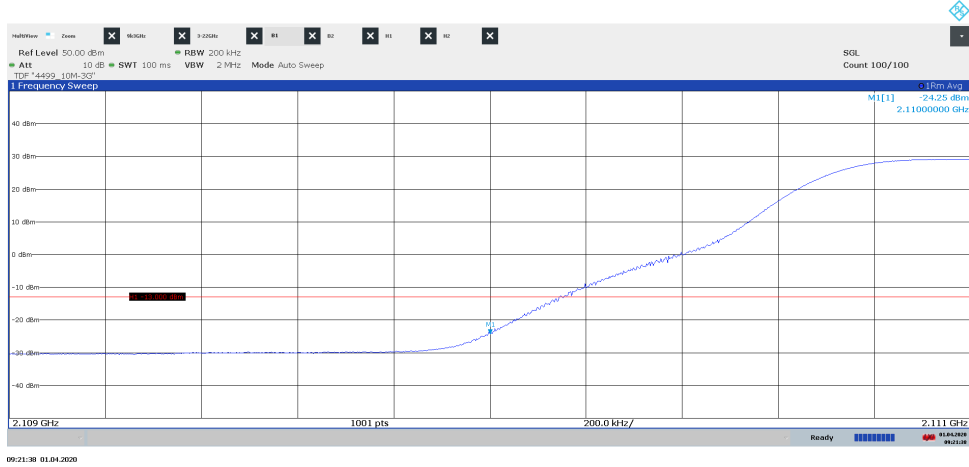
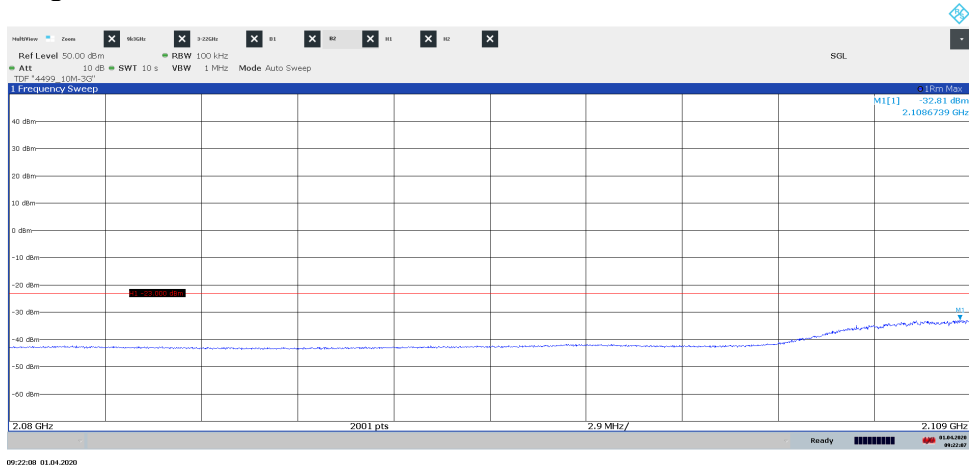
Diagram 2.42a, E-TM1.1,  $T_{15}$ , Port B:Diagram 2.42b, E-TM1.1,  $T_{15}$ , Port B:

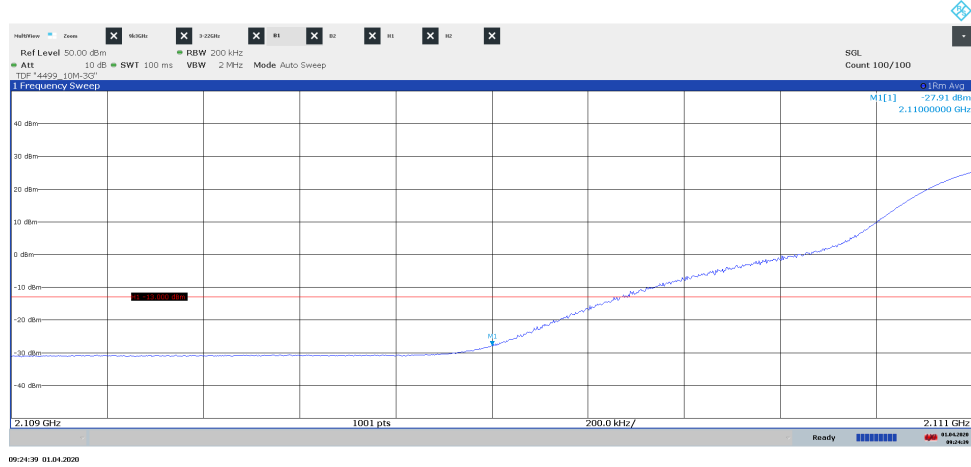
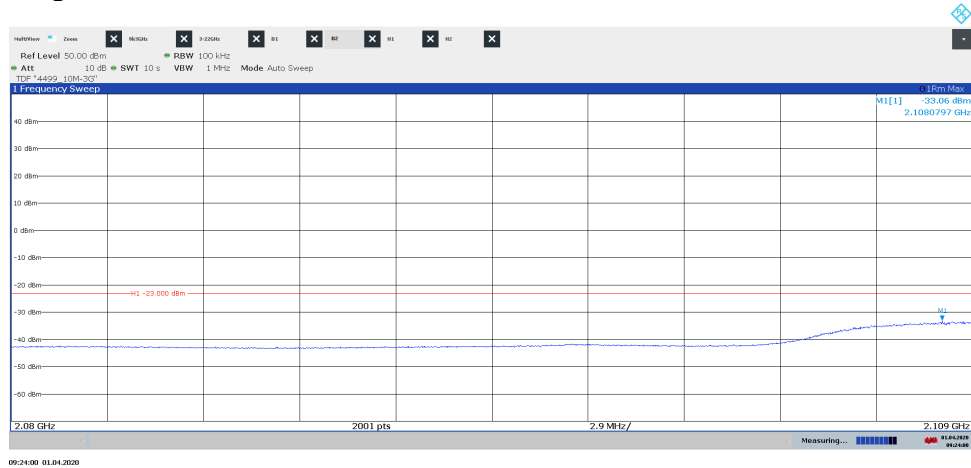
Diagram 2.43a, E-TM1.1,  $T_{20}$ , Port B:Diagram 2.43b, E-TM1.1,  $T_{20}$ , Port B:

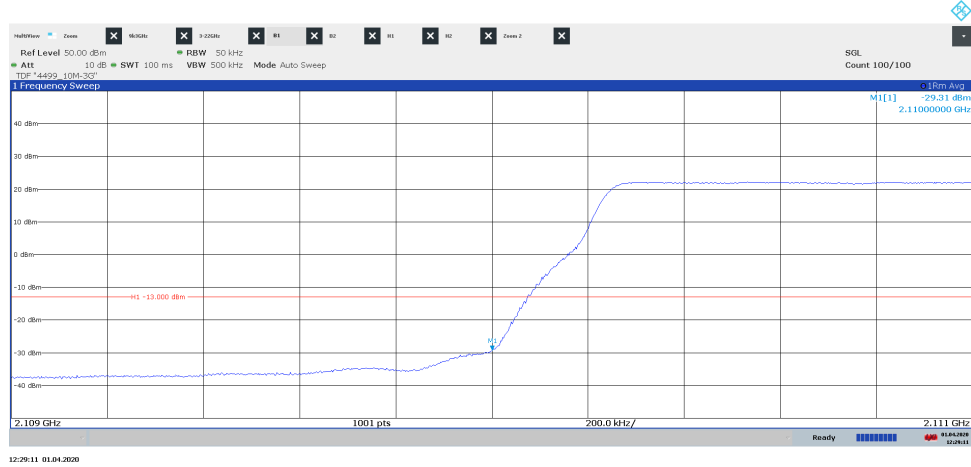
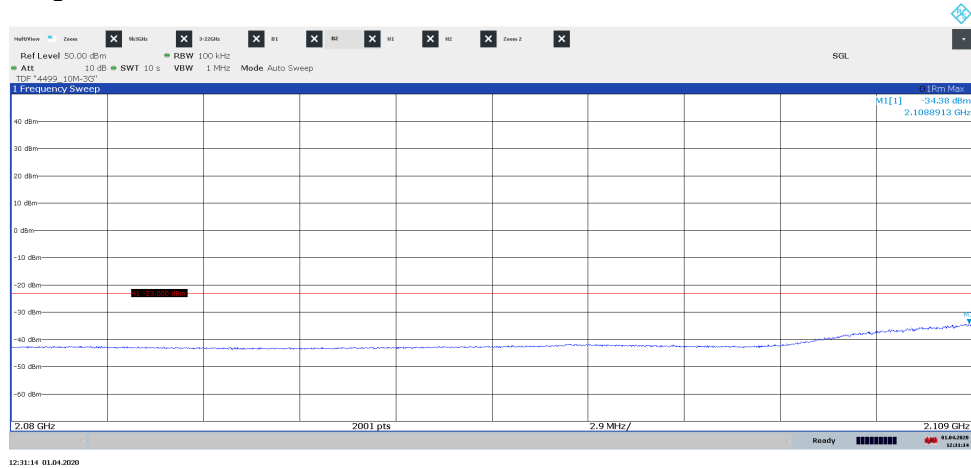
Diagram 2.44a, E-TM1.1, Bim<sub>5</sub>, Port B:Diagram 2.44b, E-TM1.1, Bim<sub>5</sub>, Port B:

Diagram 2.45a, E-TM1.1, Tim<sub>5</sub>, Port B:

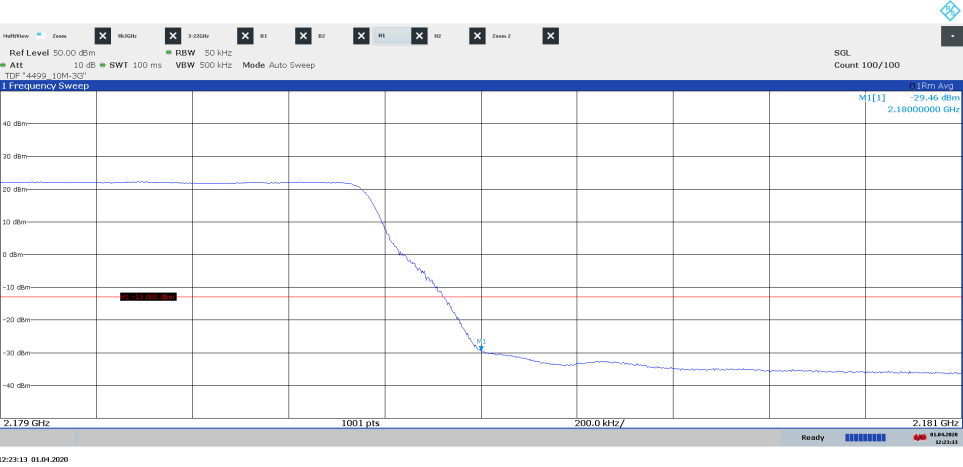


Diagram 2.45b, E-TM1.1, Tim<sub>5</sub>, Port B:

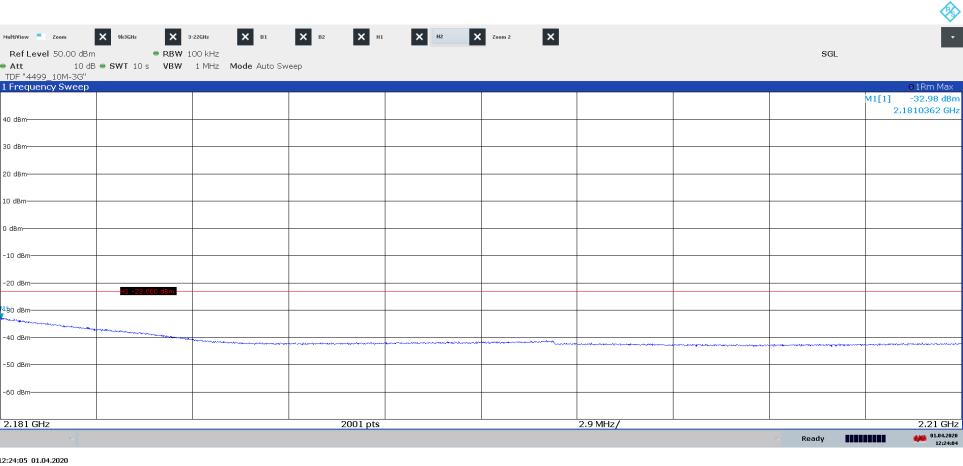


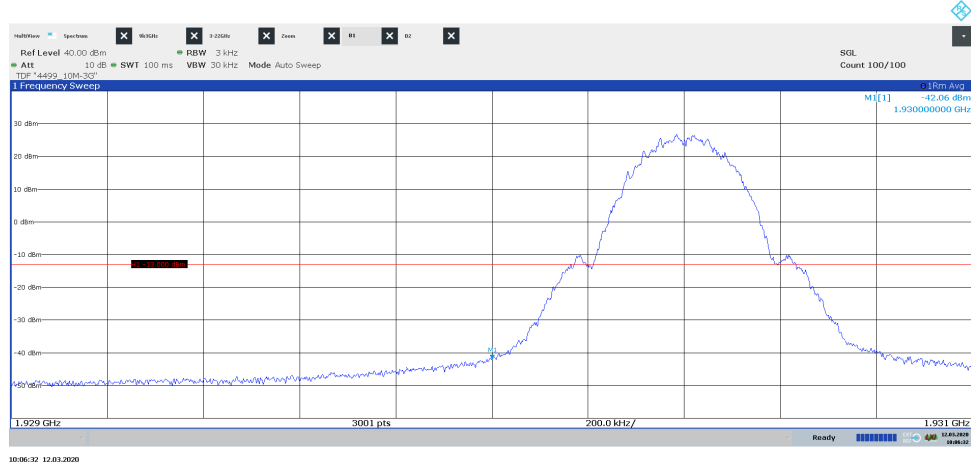
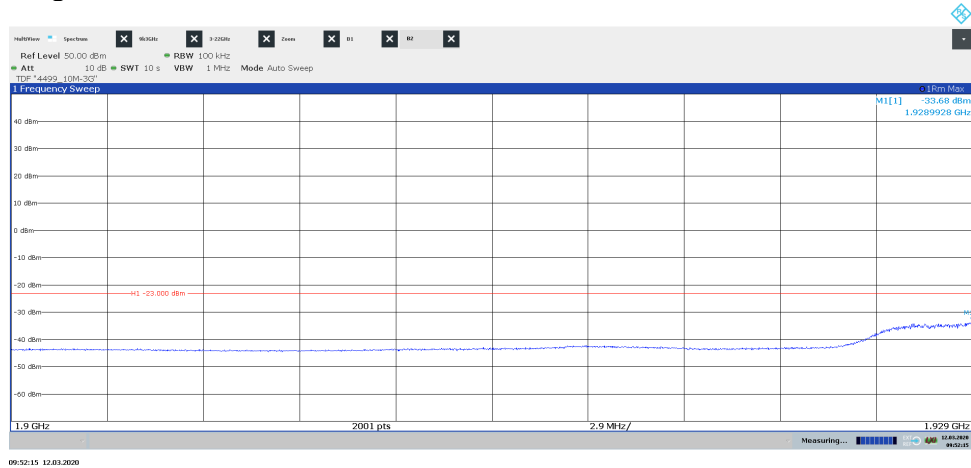
Diagram 2.46a, GSM: GMSK, LTE: E-TM1.1, B<sub>G+L</sub>, Port A:Diagram 2.46b, GSM: GMSK, LTE: E-TM1.1, B<sub>G+L</sub>, Port A:

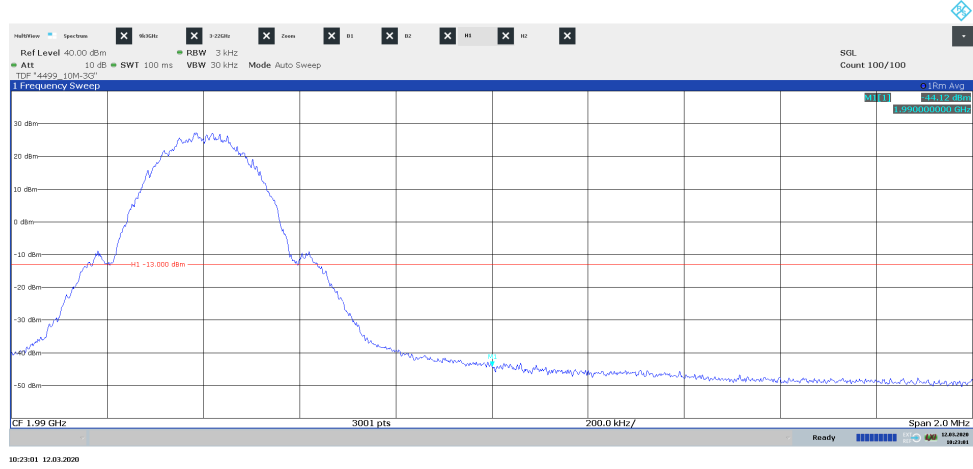
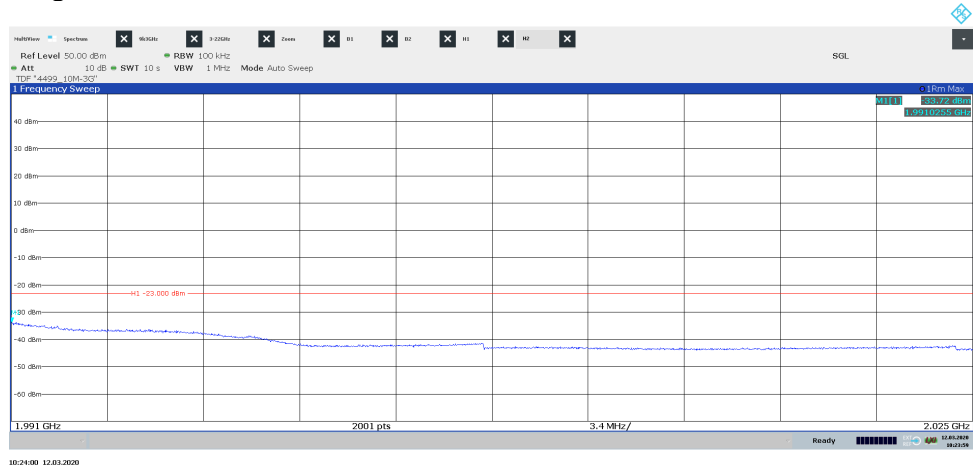
Diagram 2.47a, GSM: GMSK, LTE: E-TM1.1,  $T_{G+L}$ , Port A:Diagram 2.47b, GSM: GMSK, LTE: E-TM1.1,  $T_{G+L}$ , Port A:

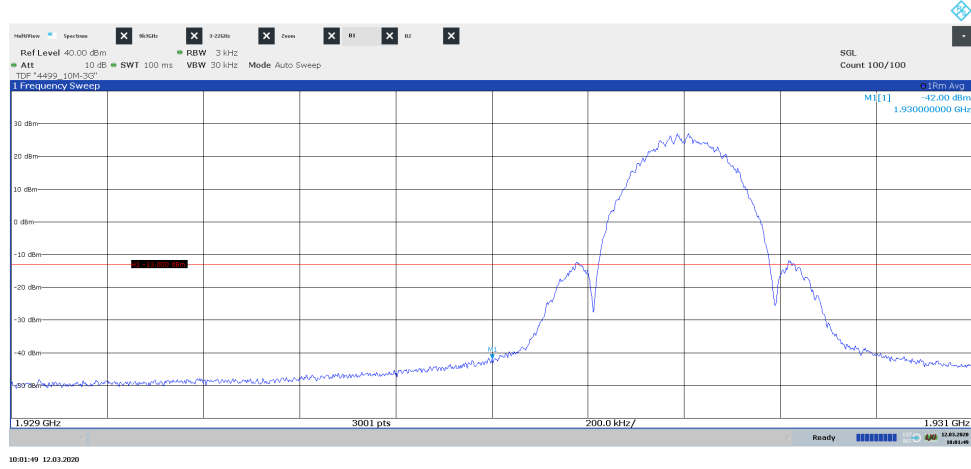
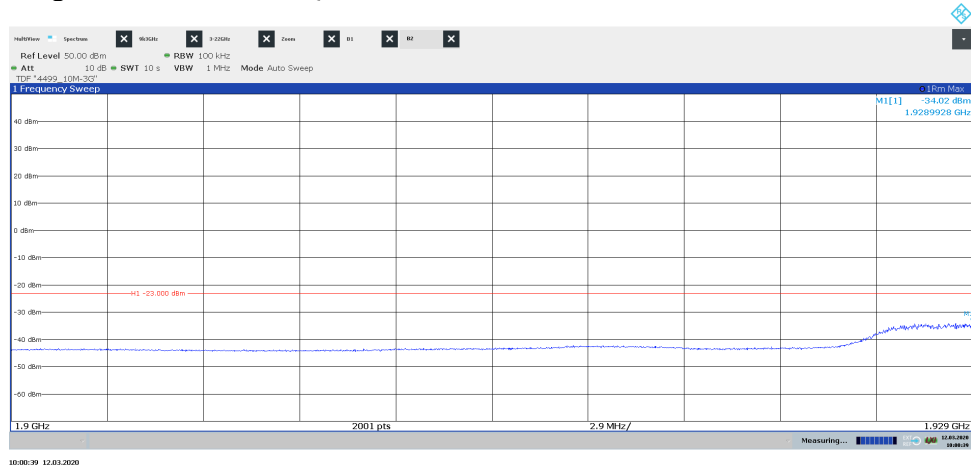
Diagram 2.48a, GSM: AQPSK, LTE: E-TM1.1, B<sub>G+L</sub>, Port A:Diagram 2.48b, GSM: AQPSK, LTE: E-TM1.1, B<sub>G+L</sub>, Port A:

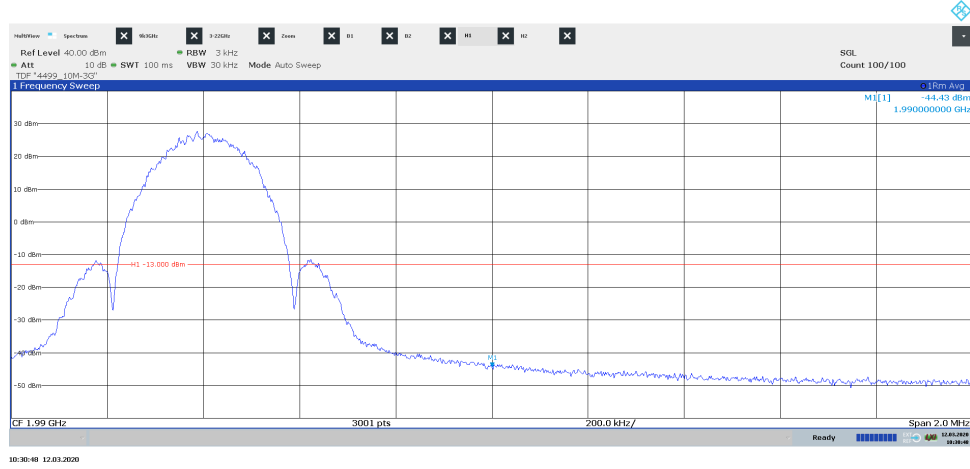
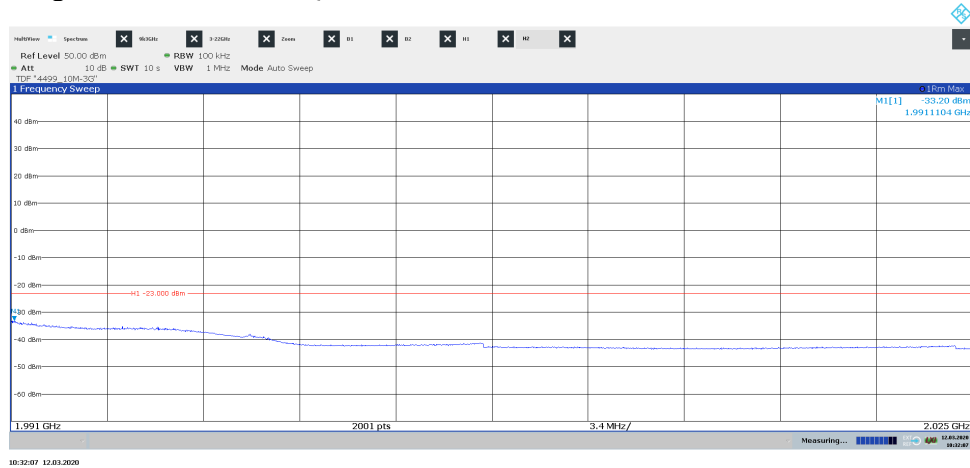
Diagram 2.49a, GSM: AQPSK, LTE: E-TM1.1,  $T_{G+L}$ , Port A:Diagram 2.49b, GSM: AQPSK, LTE: E-TM1.1,  $T_{G+L}$ , Port A:

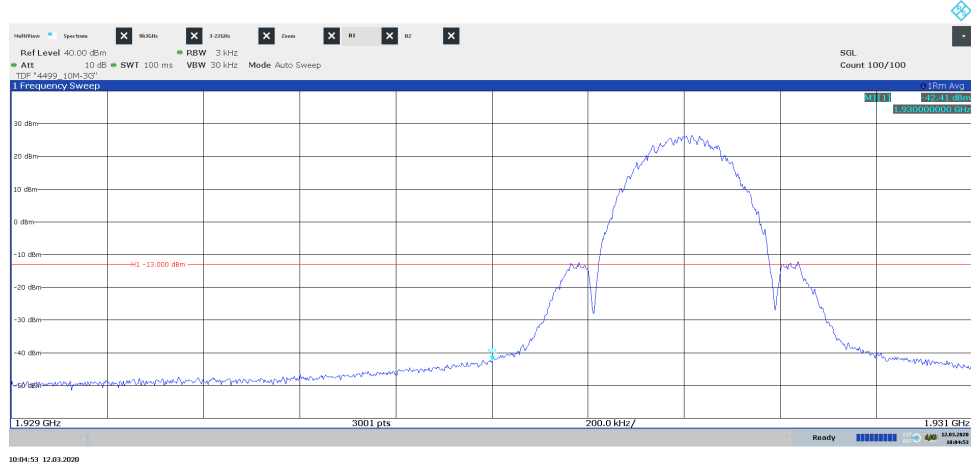
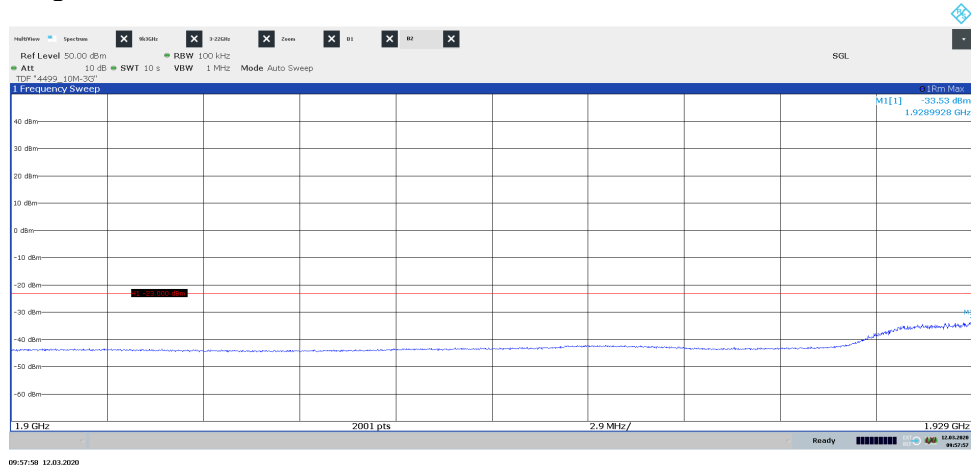
Diagram 2.50a, GSM: 8PSK, LTE: E-TM1.1,  $B_{G+L}$ , Port A:Diagram 2.50b, GSM: 8PSK, LTE: E-TM1.1,  $B_{G+L}$ , Port A:

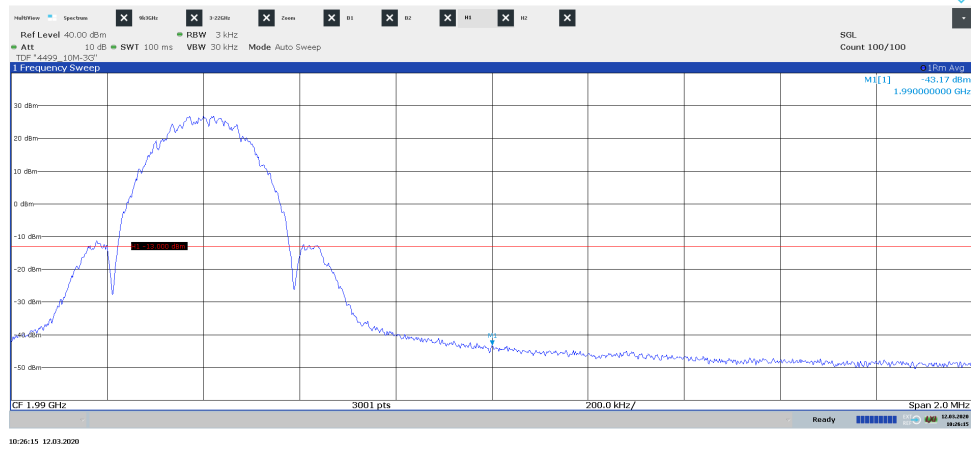
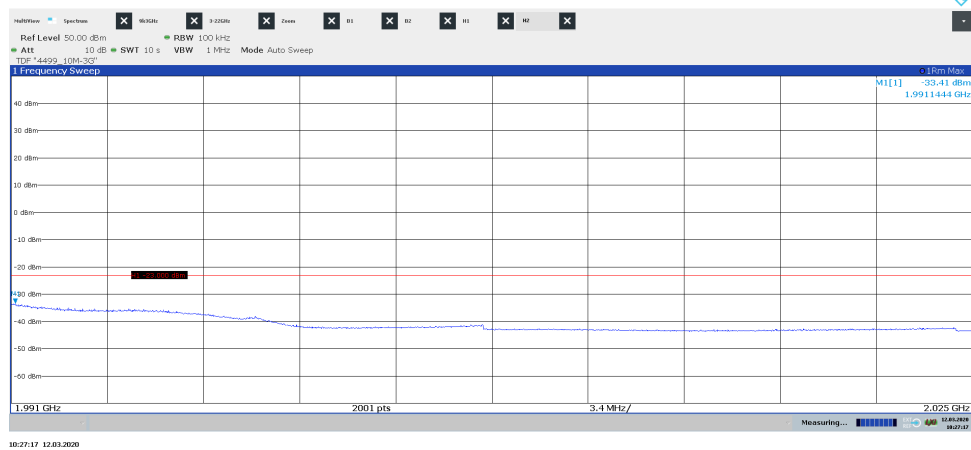
Diagram 2.51a, GSM: 8PSK, LTE: E-TM1.1,  $T_{G+L}$ , Port A:Diagram 2.51b, GSM: 8PSK, LTE: E-TM1.1,  $T_{G+L}$ , Port A:

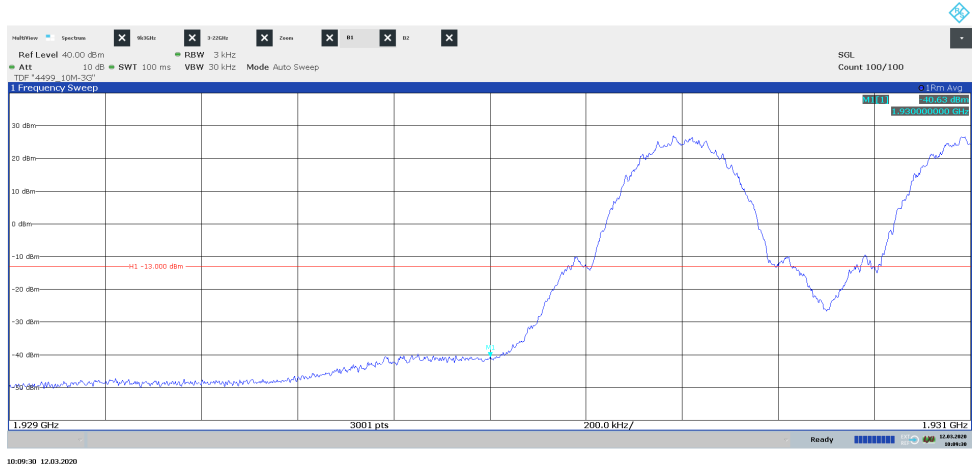
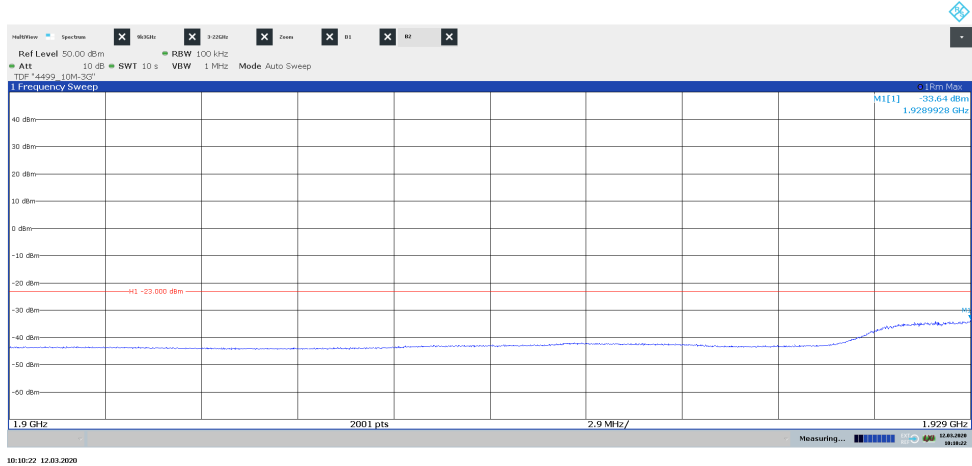
Diagram 2.52a, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port A:Diagram 2.52b, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port A:

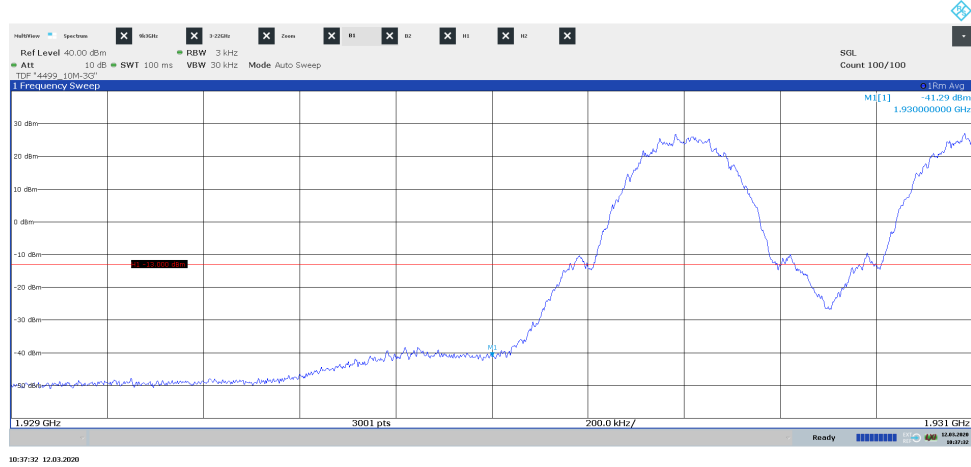
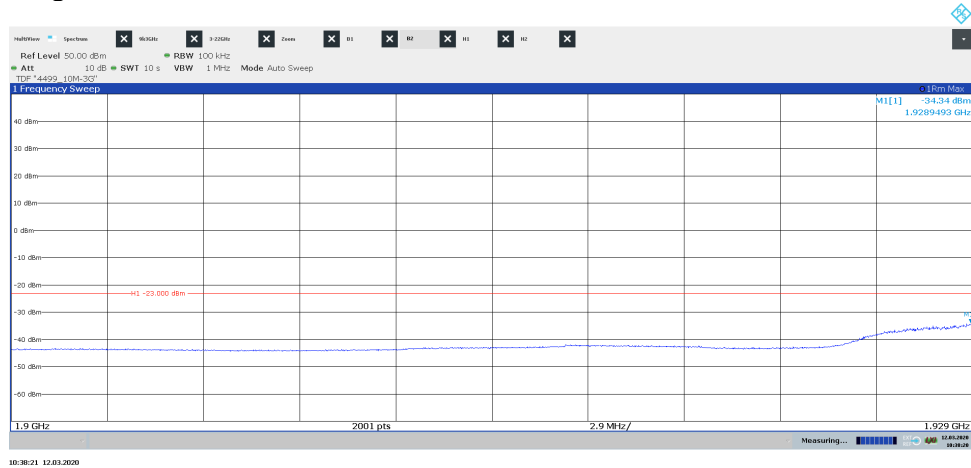
Diagram 2.53a, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port B:Diagram 2.53b, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port B:

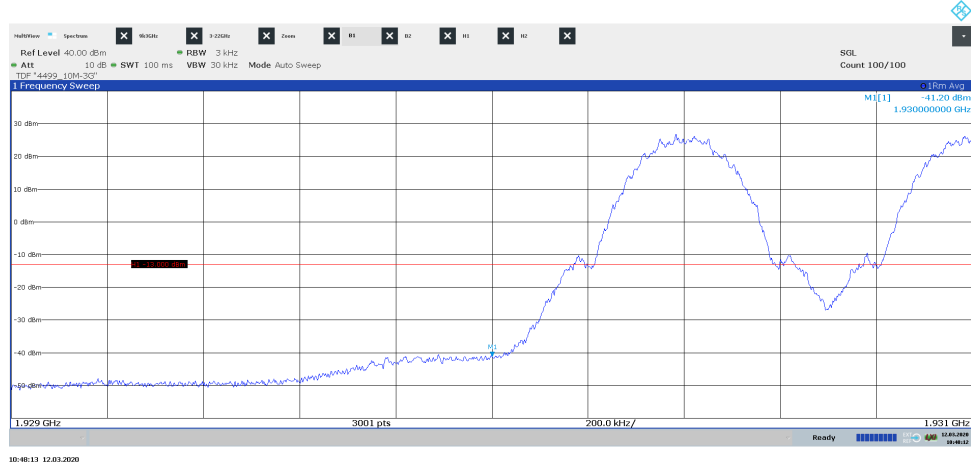
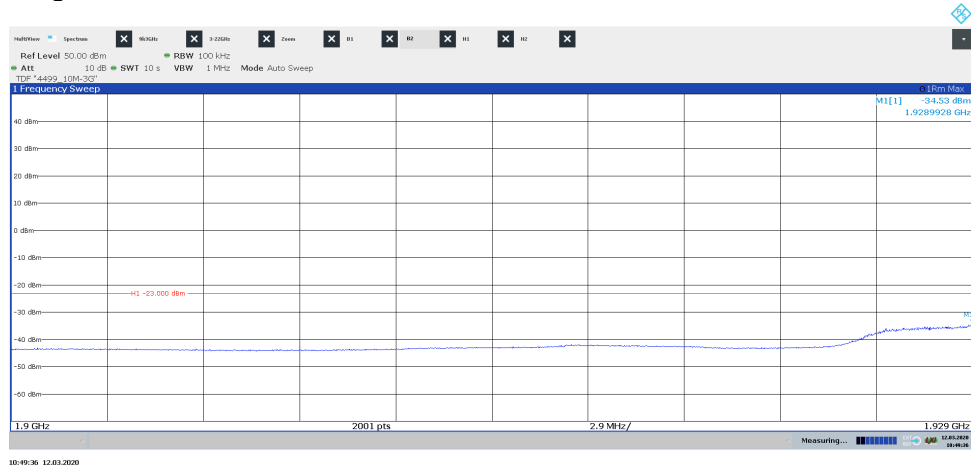
Diagram 2.54a, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port C:Diagram 2.54b, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port C:

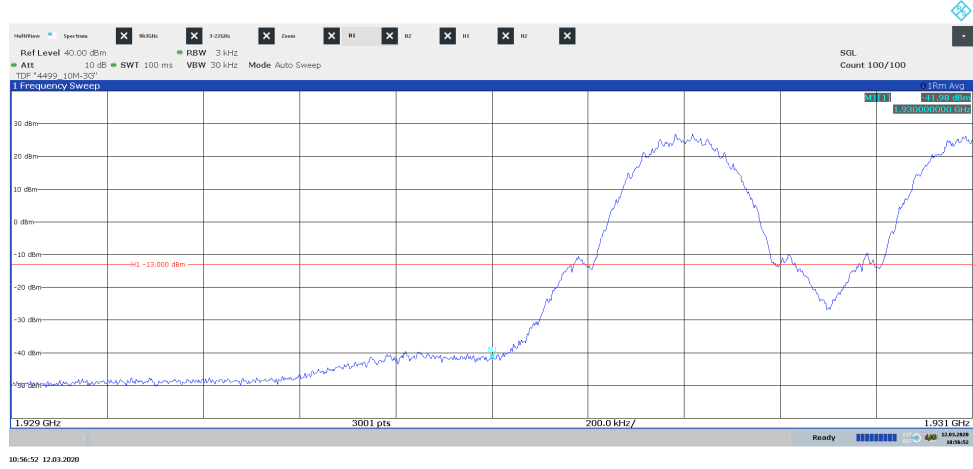
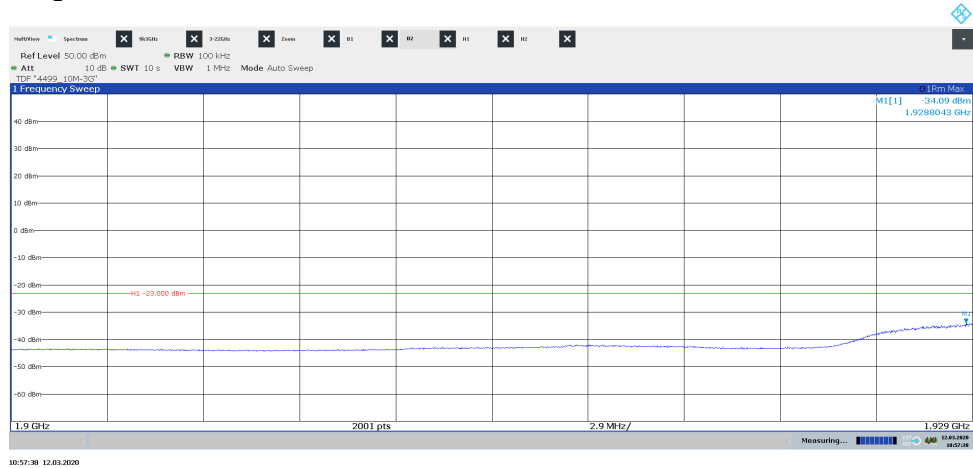
Diagram 2.55a, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port D:Diagram 2.55b, GSM: GMSK, LTE: E-TM1.1, Bim<sub>G+L</sub>, Port D:



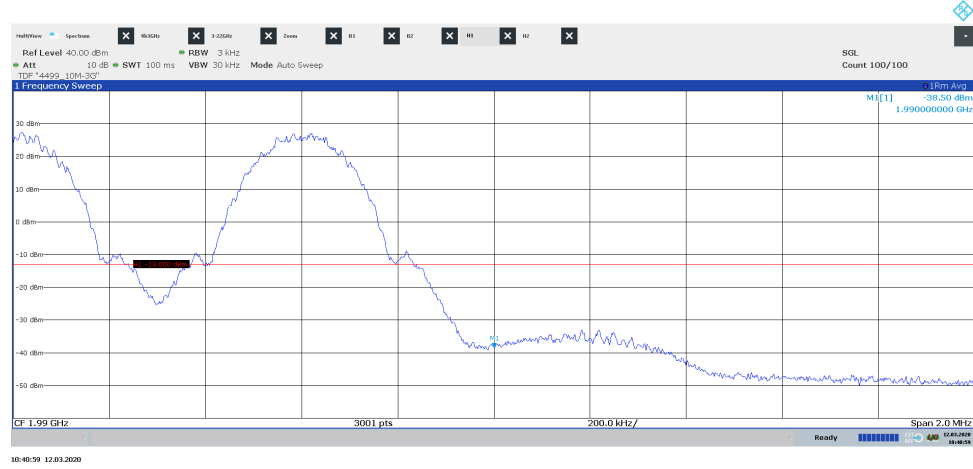
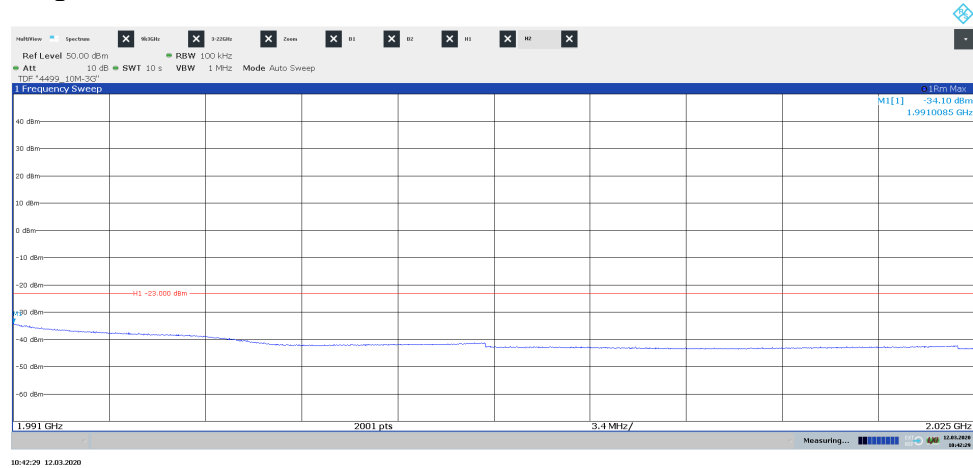
Diagram 2.57a, GSM: GMSK, LTE: E-TM1.1, Tim<sub>G+L</sub>, Port B:Diagram 2.57b, GSM: GMSK, LTE: E-TM1.1, Tim<sub>G+L</sub>, Port B:

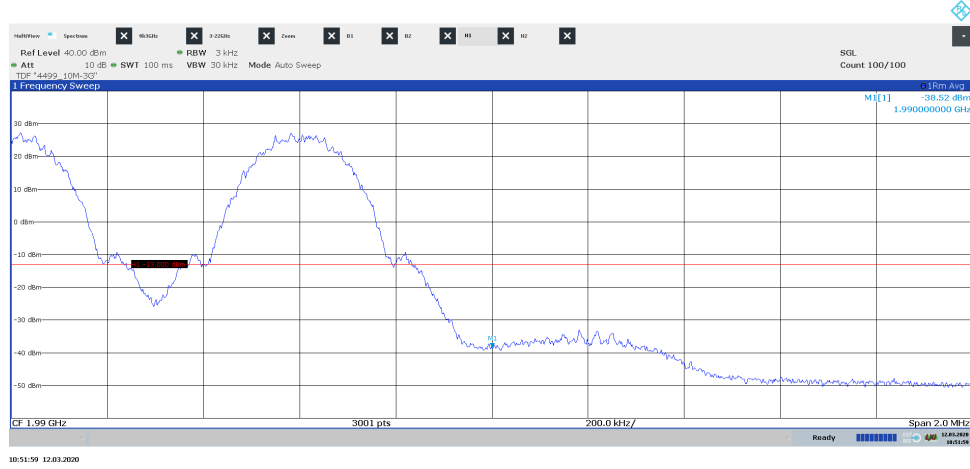
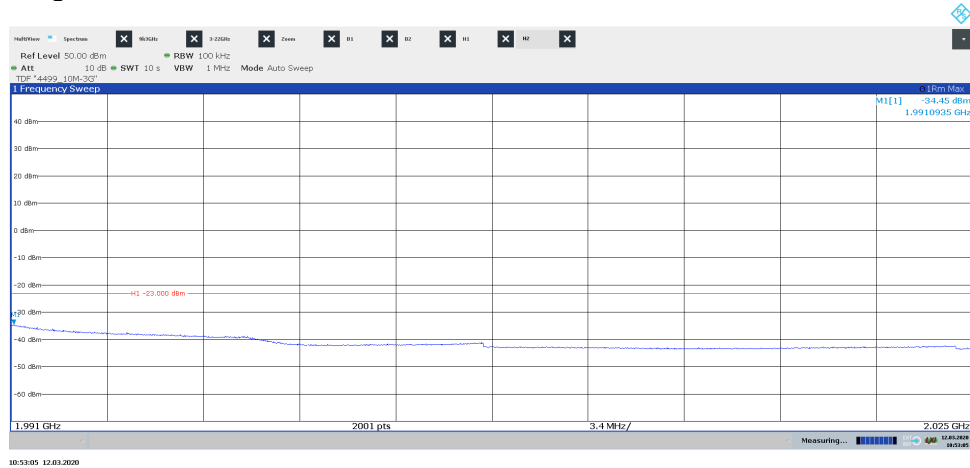
Diagram 2.58a, GSM: GMSK, LTE: E-TM1.1, Tim<sub>G+L</sub>, Port C:Diagram 2.58b, GSM: GMSK, LTE: E-TM1.1, Tim<sub>G+L</sub>, Port C:

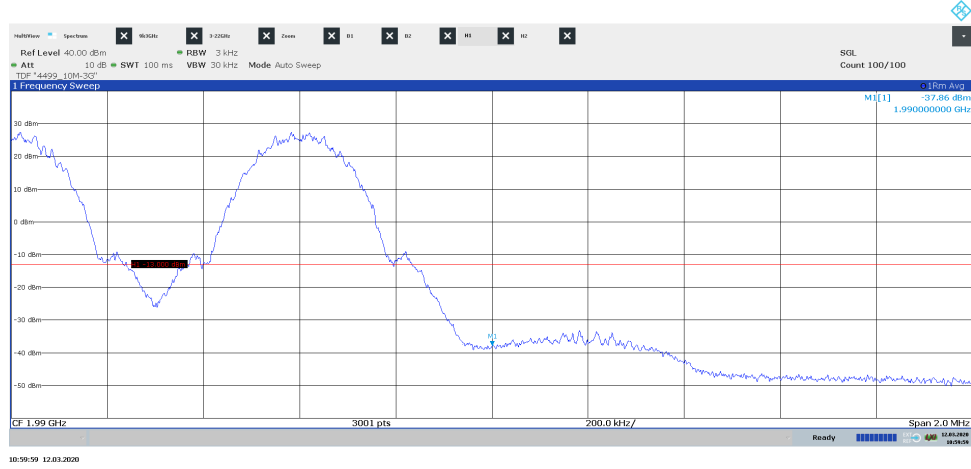
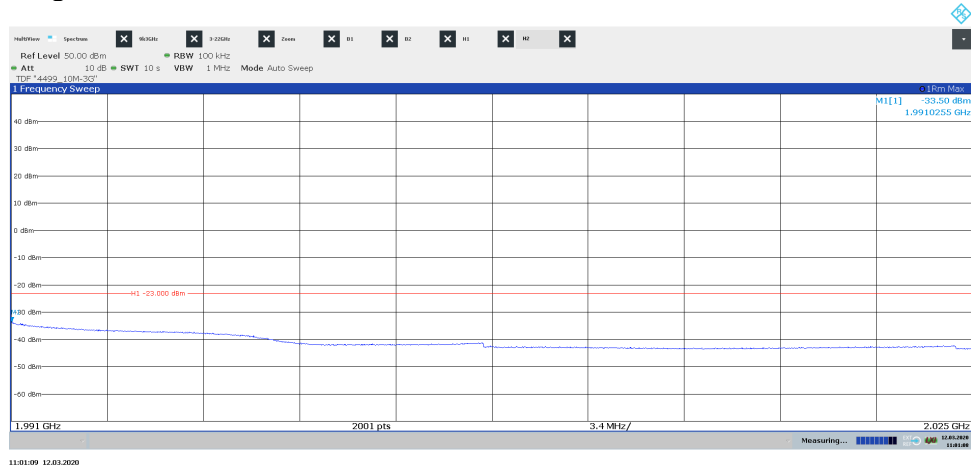
Diagram 2.59a, GSM: GMSK, LTE: E-TM1.1, Tim<sub>G+L</sub>, Port D:Diagram 2.59b, GSM: GMSK, LTE: E-TM1.1, Tim<sub>G+L</sub>, Port D:

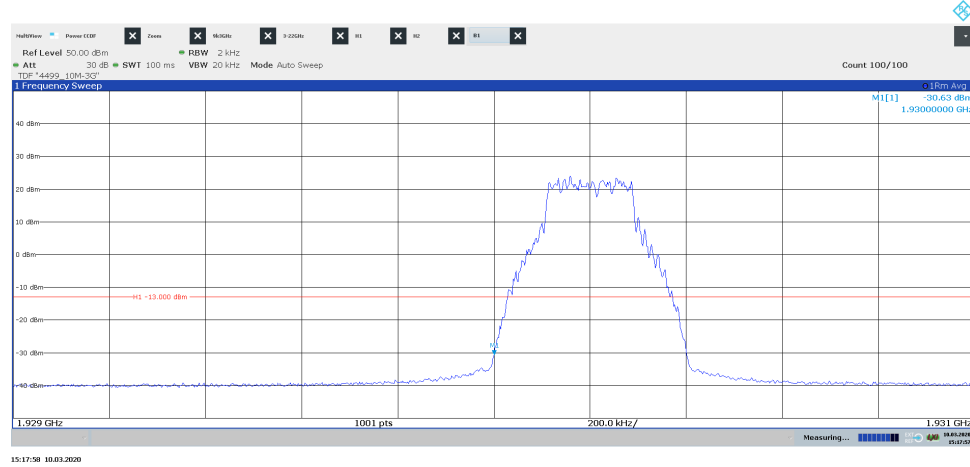
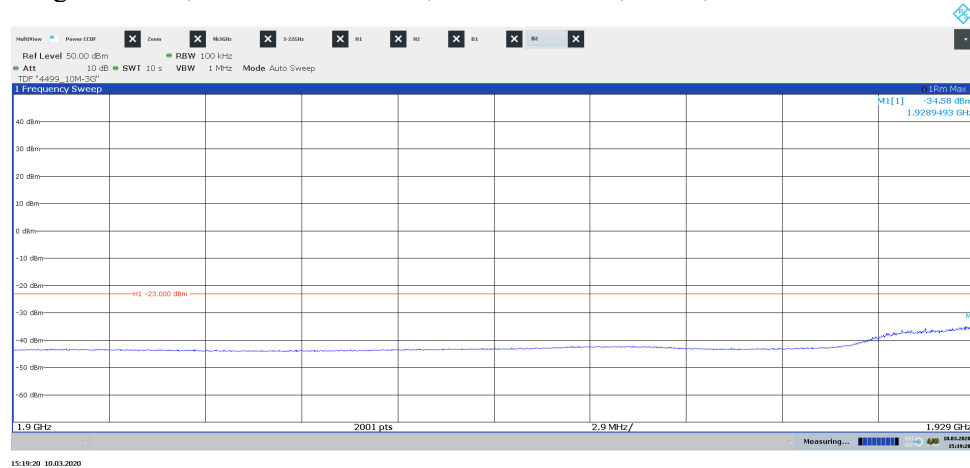
Diagram 2.60a, NB IoT SA: N-TM, LTE: E-TM1.1, B<sub>IoT+L</sub>, Port A:Diagram 2.60b, NB IoT SA: N-TM, LTE: E-TM1.1, B<sub>IoT+L</sub>, Port A:

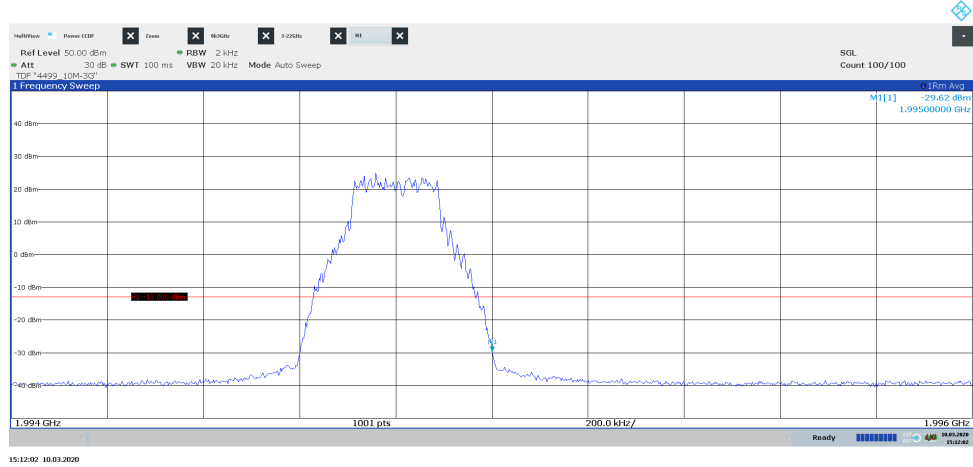
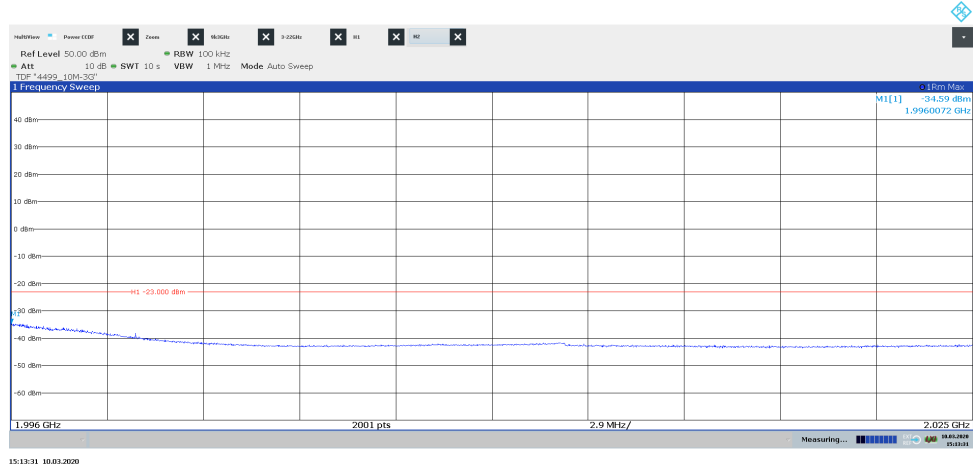
Diagram 2.61a, NB IoT SA: N-TM, LTE: E-TM1.1,  $T_{IoT+L}$ , Port A:Diagram 2.61b, NB IoT SA: N-TM, LTE: E-TM1.1,  $T_{IoT+L}$ , Port A:

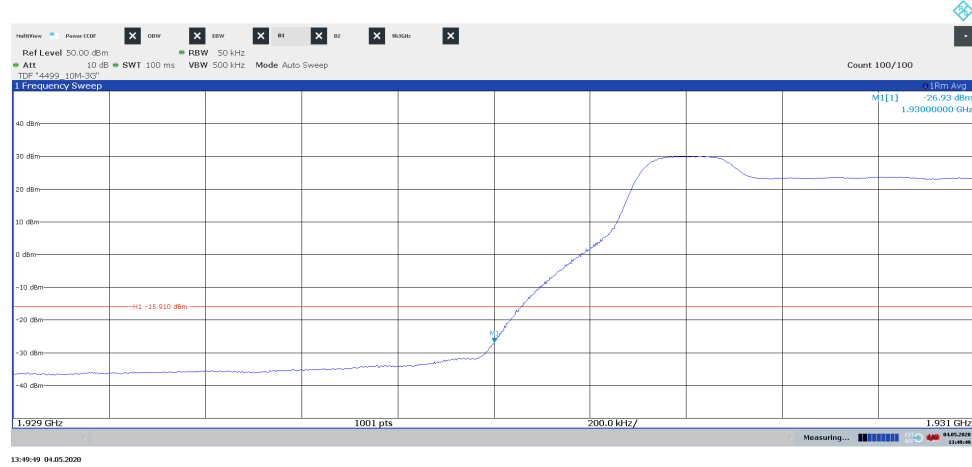
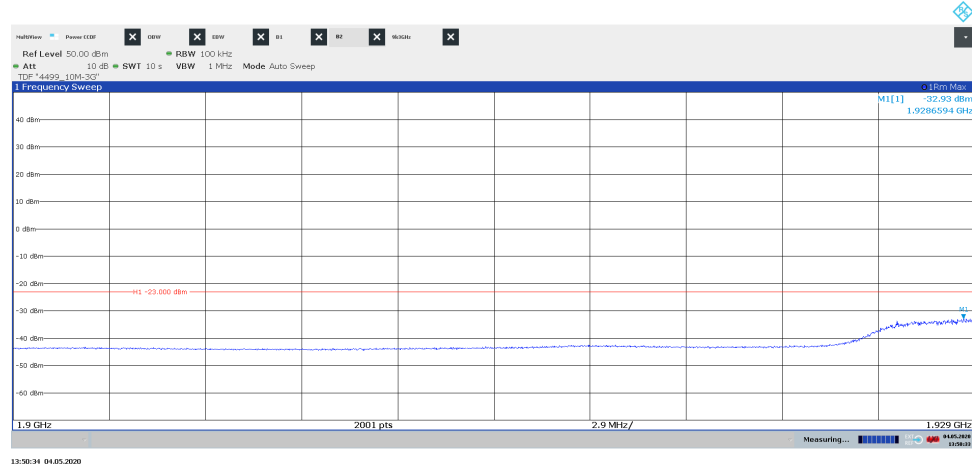
Diagram 2.62a, LTE: E-TM3.1, NB IoT GB: N-TM, B10<sub>Guard</sub>, Port A:Diagram 2.62b, LTE: E-TM3.1, NB IoT GB: N-TM, B10<sub>Guard</sub>, Port A:

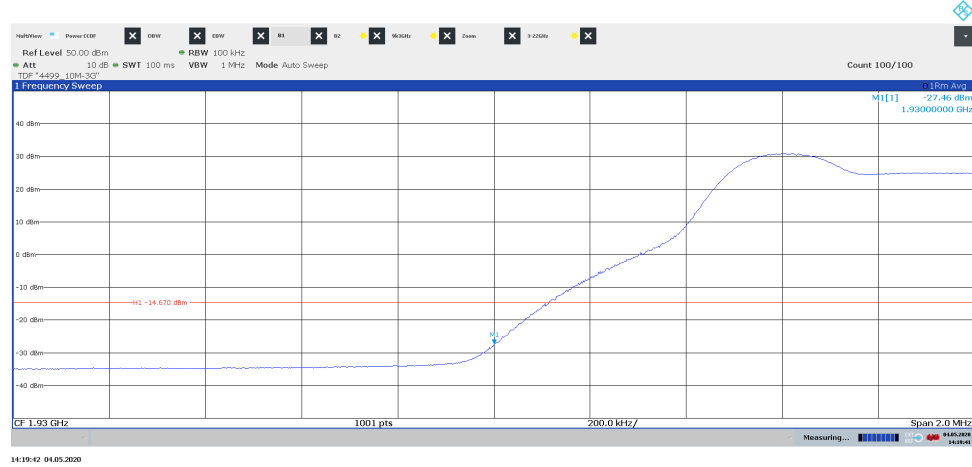
Diagram 2.63a, LTE: E-TM3.1, NB IoT GB: N-TM, B15<sub>Guard</sub>, Port A:Diagram 2.63b, LTE: E-TM3.1, NB IoT GB: N-TM, B15<sub>Guard</sub>, Port A:

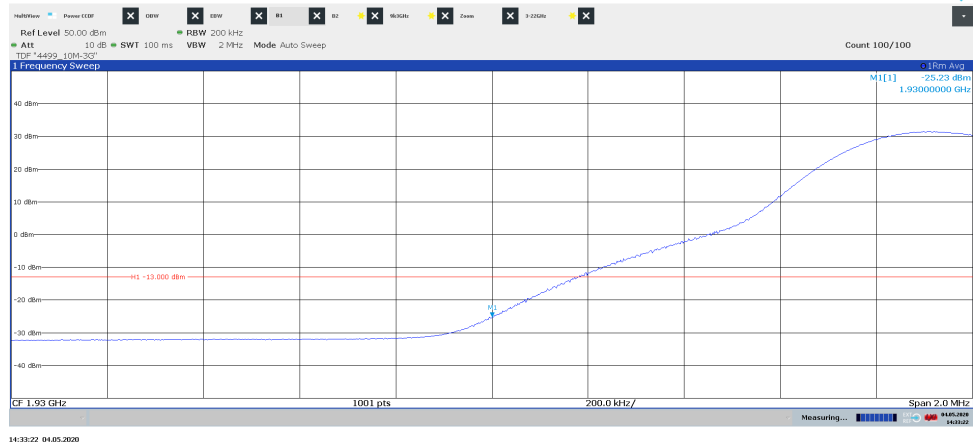
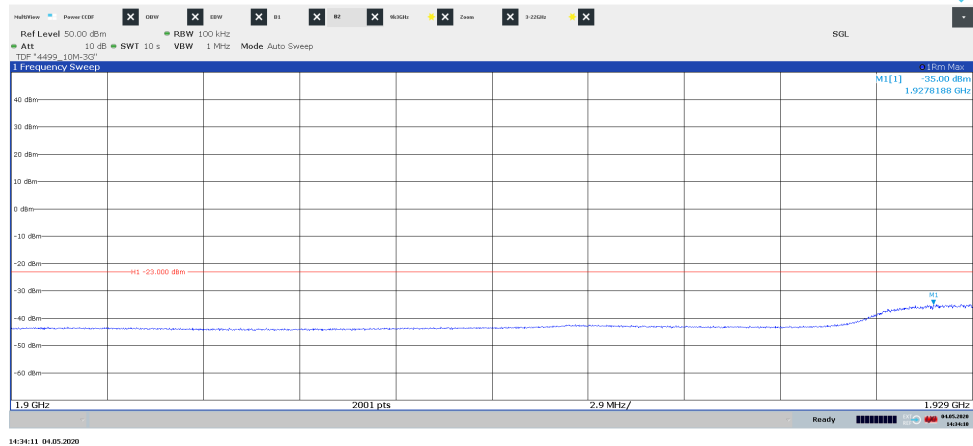
Diagram 2.64a, LTE: E-TM3.1, NB IoT GB: N-TM, B20<sub>Guard</sub>, Port A:Diagram 2.64b, LTE: E-TM3.1, NB IoT GB: N-TM, B20<sub>Guard</sub>, Port A:

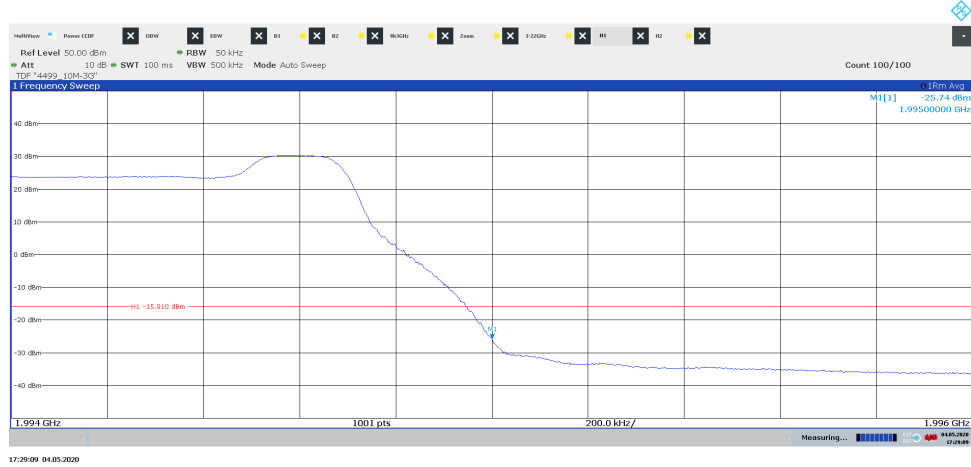
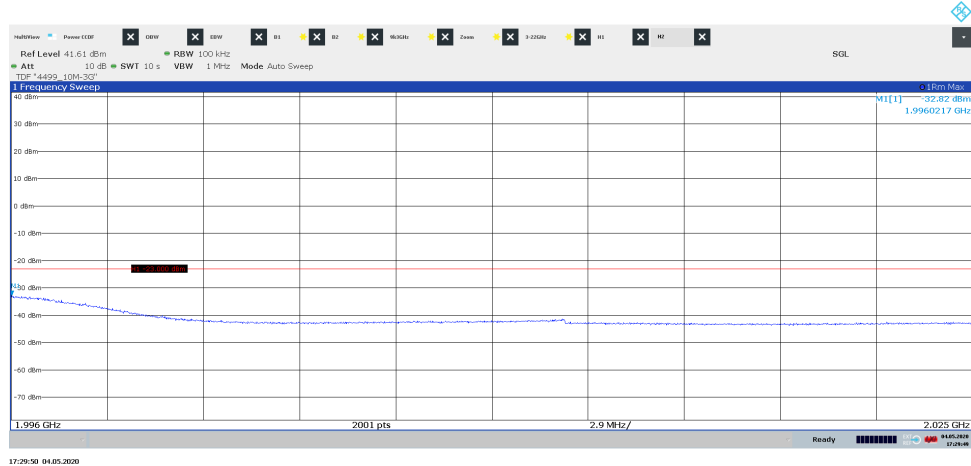
Diagram 2.65a, LTE: E-TM3.1, NB IoT GB: N-TM, T10<sub>Guard</sub>, Port A:Diagram 2.65b, LTE: E-TM3.1, NB IoT GB: N-TM, T10<sub>Guard</sub>, Port A:

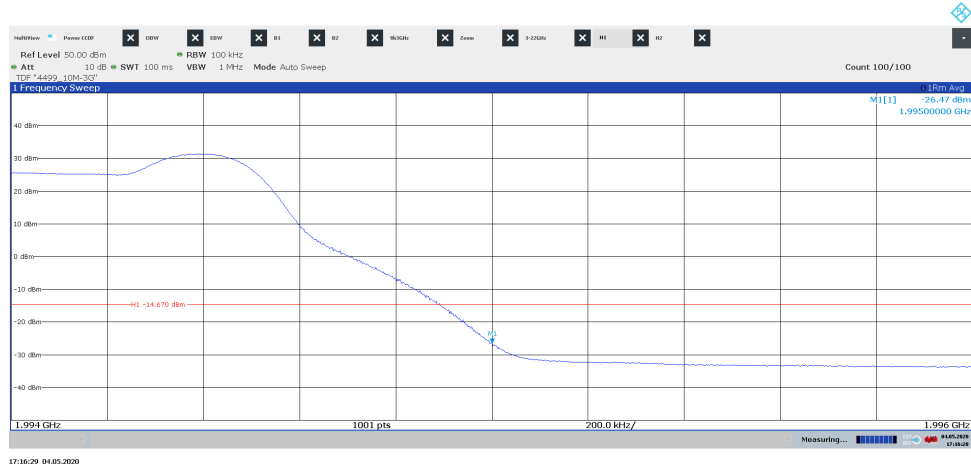
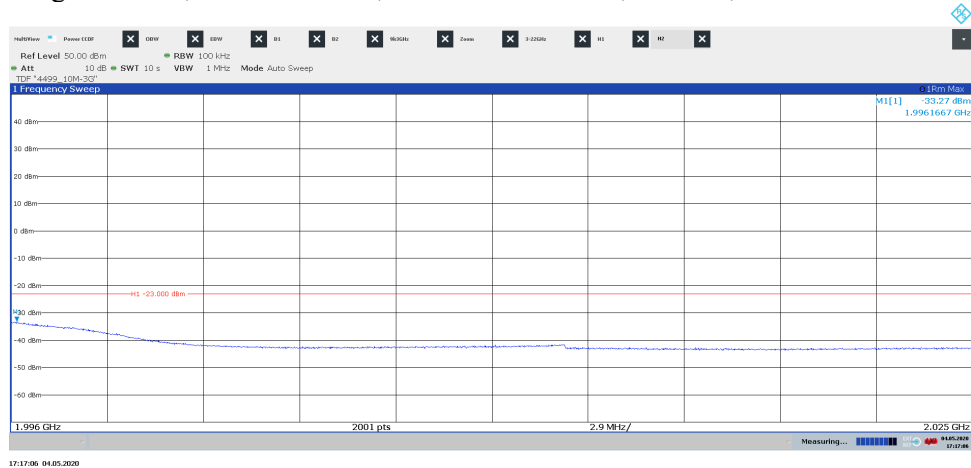
Diagram 2.66a, LTE: E-TM3.1, NB IoT GB: N-TM, T15<sub>Guard</sub>, Port A:Diagram 2.66b, LTE: E-TM3.1, NB IoT GB: N-TM, T15<sub>Guard</sub>, Port A:

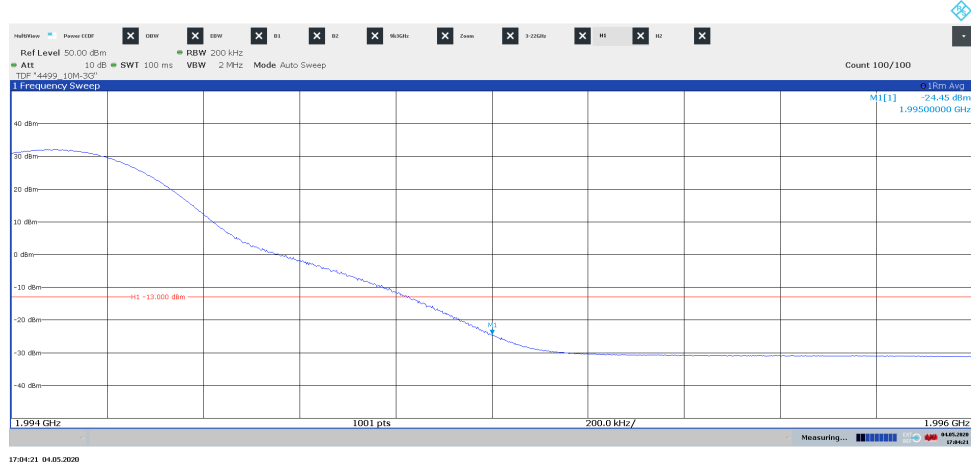
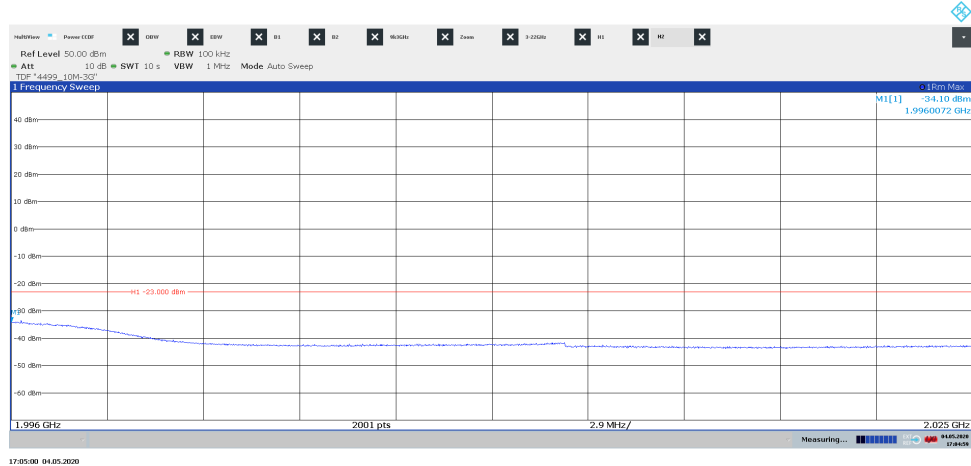
Diagram 2.67a, LTE: E-TM3.1, NB IoT GB: N-TM, T20<sub>Guard</sub>, Port A:Diagram 2.67b, LTE: E-TM3.1, NB IoT GB: N-TM, T20<sub>Guard</sub>, Port A:

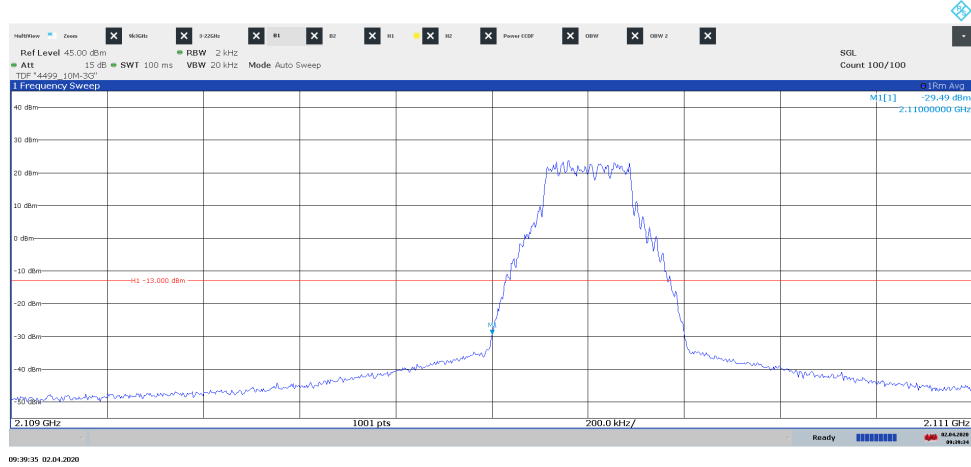
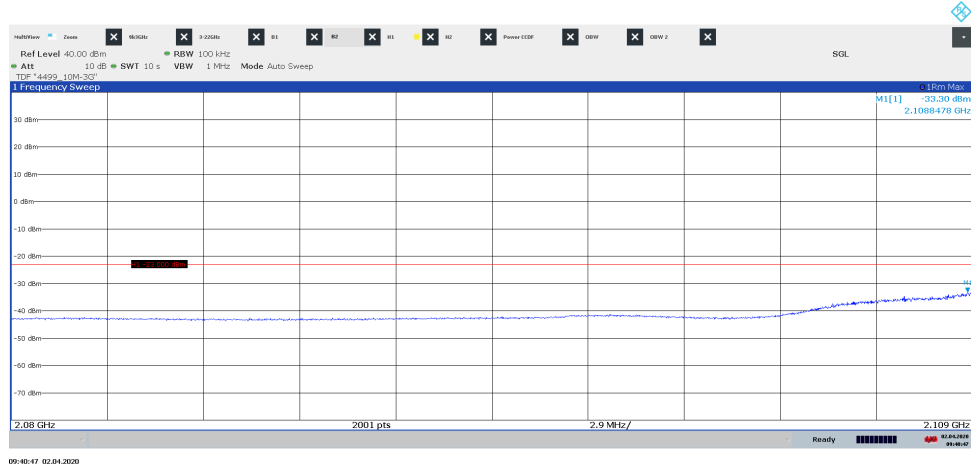
Diagram 2.68a, NB IoT SA: N-TM, LTE: E-TM1.1, B<sub>IoT+L</sub>, Port B:Diagram 2.68b, NB IoT SA: N-TM, LTE: E-TM1.1, B<sub>IoT+L</sub>, Port B:

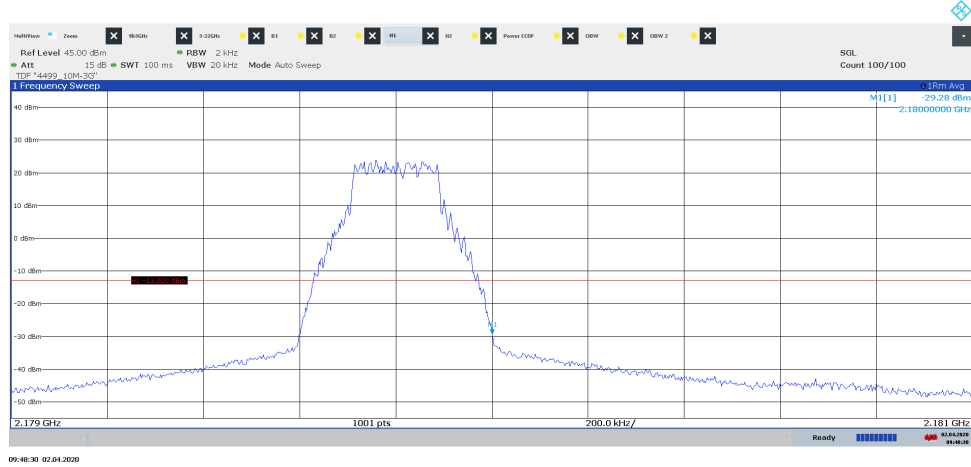
Diagram 2.69a, NB IoT SA: N-TM, LTE: E-TM1.1,  $T_{IoT+L}$ , Port B:Diagram 2.69b, NB IoT SA: N-TM, LTE: E-TM1.1,  $T_{IoT+L}$ , Port B:

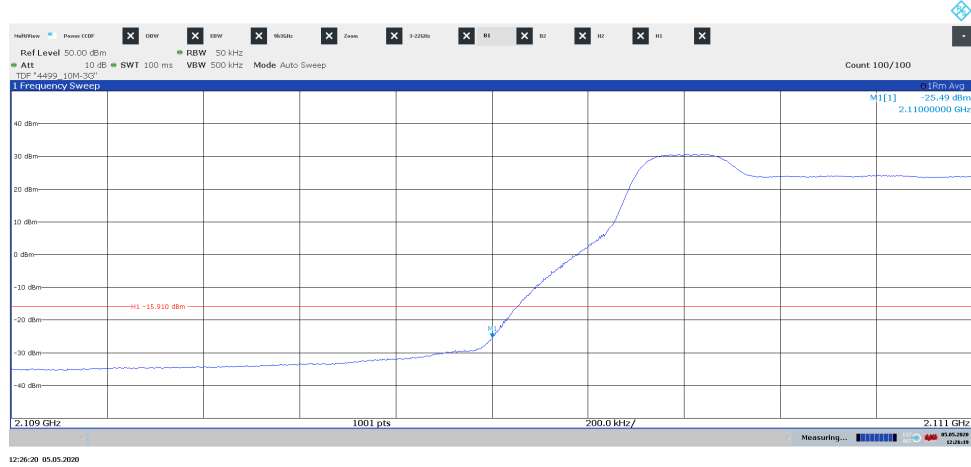
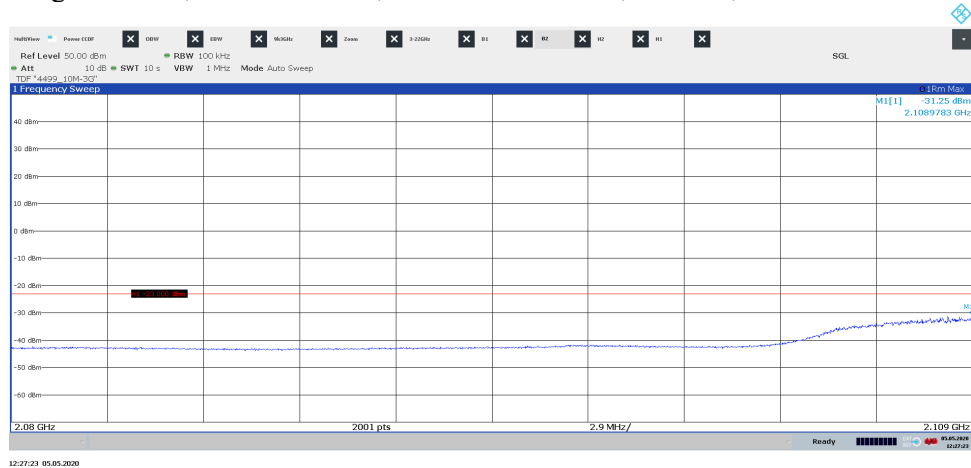
Diagram 2.70a, LTE: E-TM3.1, NB IoT GB: N-TM, B10<sub>Guard</sub>, Port B:Diagram 2.70b, LTE: E-TM3.1, NB IoT GB: N-TM, B10<sub>Guard</sub>, Port B:

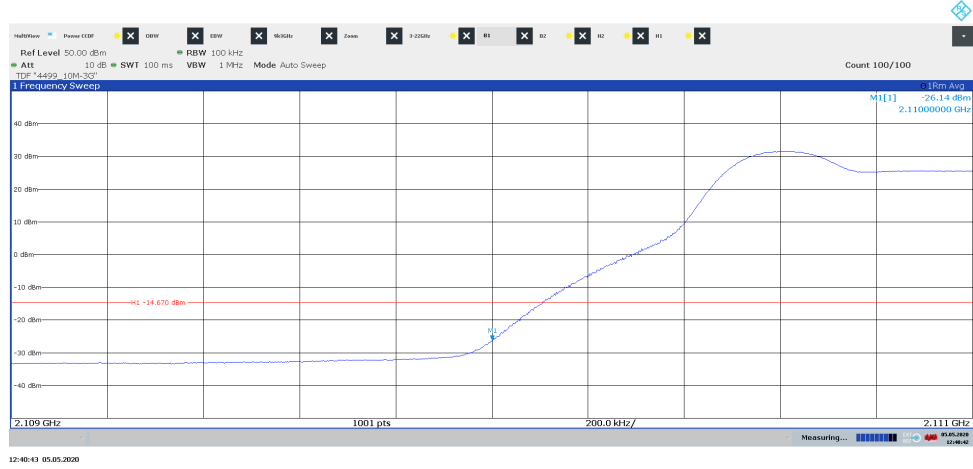
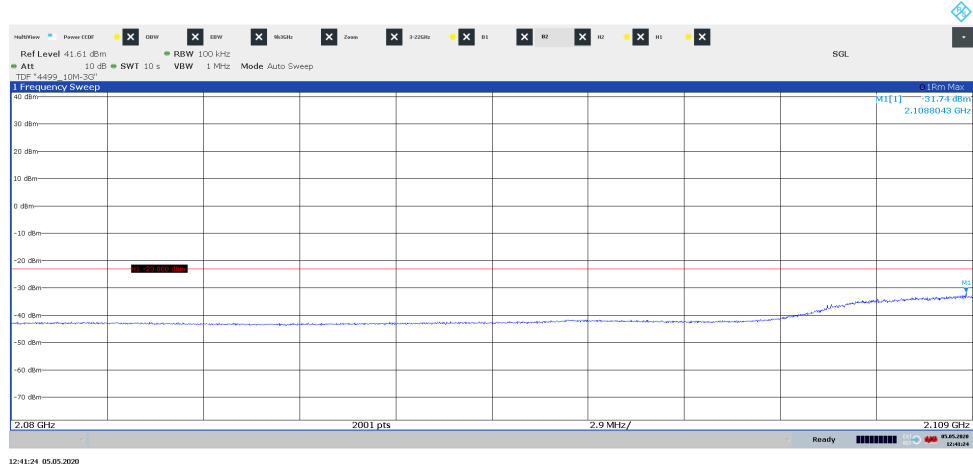
Diagram 2.71a, LTE: E-TM3.1, NB IoT GB: N-TM, B15<sub>Guard</sub>, Port B:Diagram 2.71b, LTE: E-TM3.1, NB IoT GB: N-TM, B15<sub>Guard</sub>, Port B:

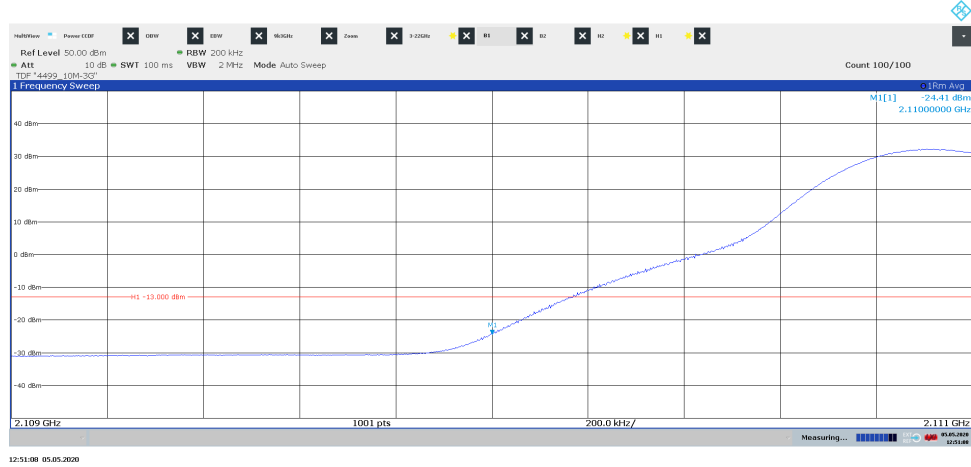
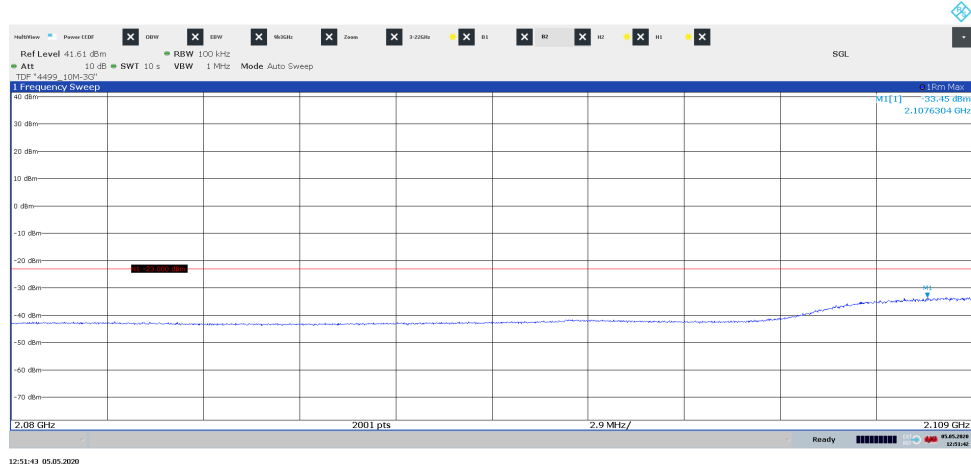
Diagram 2.72a, LTE: E-TM3.1, NB IoT GB: N-TM, B20<sub>Guard</sub>, Port B:Diagram 2.72b, LTE: E-TM3.1, NB IoT GB: N-TM, B20<sub>Guard</sub>, Port B:

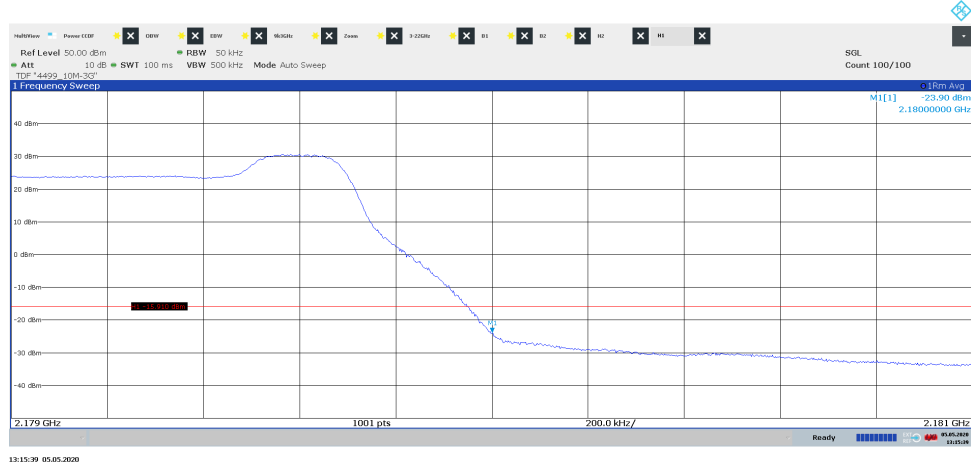
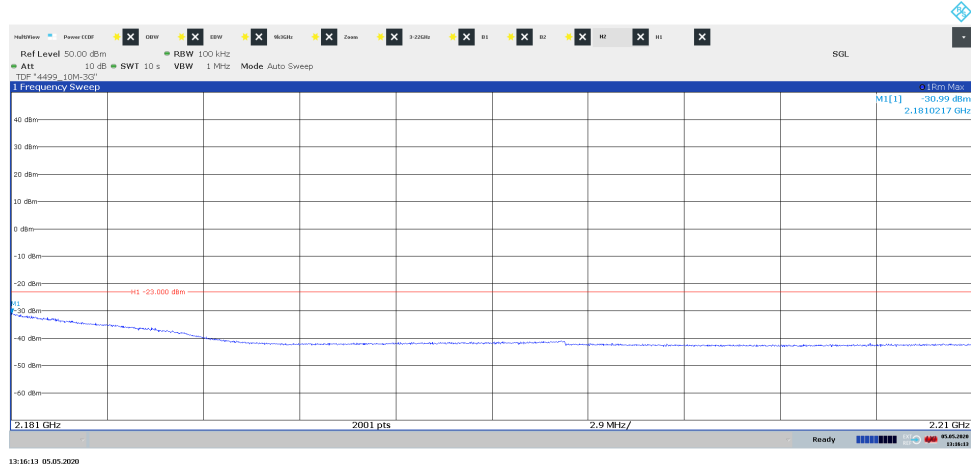
Diagram 2.73a, LTE: E-TM3.1, NB IoT GB: N-TM, T10<sub>Guard</sub>, Port B:Diagram 2.73b, LTE: E-TM3.1, NB IoT GB: N-TM, T10<sub>Guard</sub>, Port B:

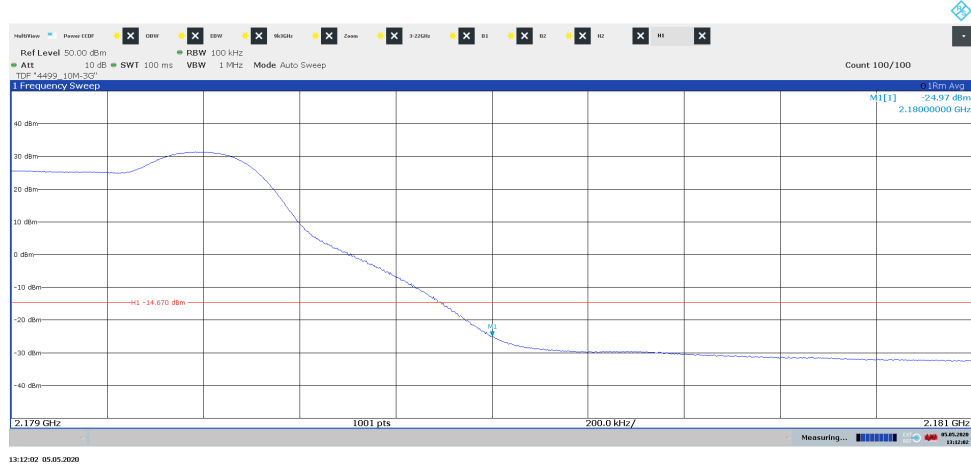
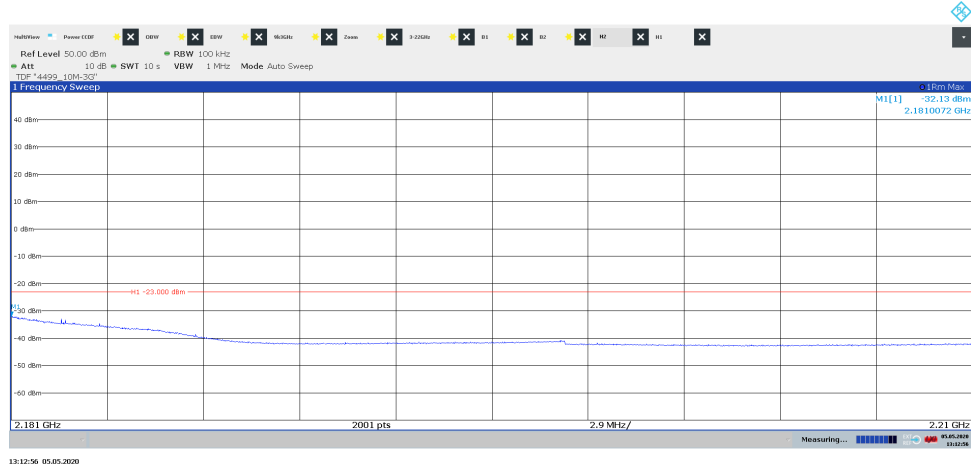
Diagram 2.74a, LTE: E-TM3.1, NB IoT GB: N-TM, T15<sub>Guard</sub>, Port B:Diagram 2.74b, LTE: E-TM3.1, NB IoT GB: N-TM, T15<sub>Guard</sub>, Port B:

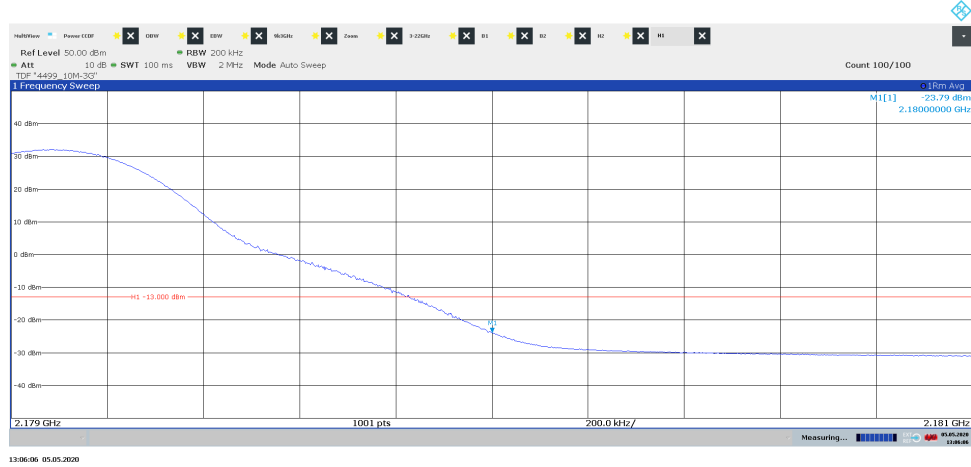
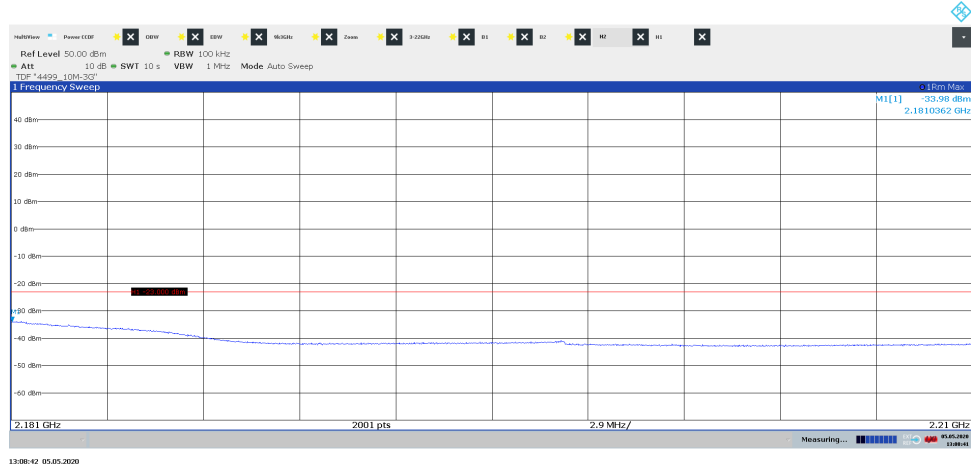
Diagram 2.75a, LTE: E-TM3.1, NB IoT GB: N-TM, T20<sub>Guard</sub>, Port B:Diagram 2.75b, LTE: E-TM3.1, NB IoT GB: N-TM, T20<sub>Guard</sub>, Port B:

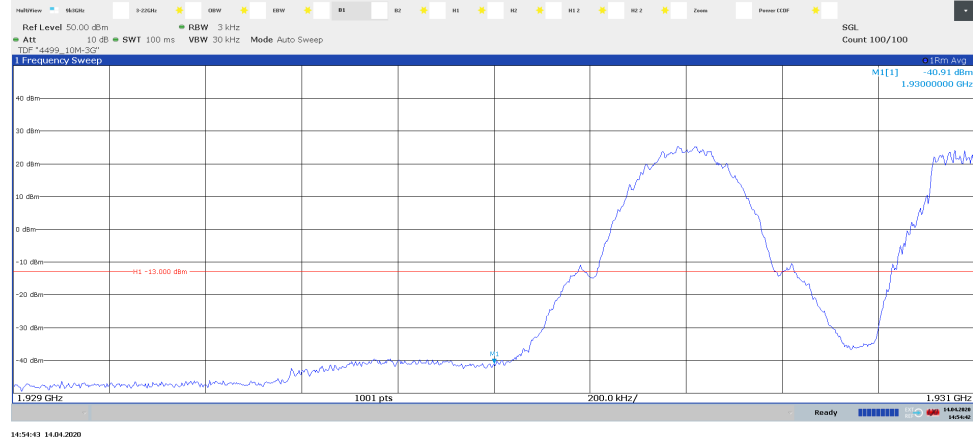
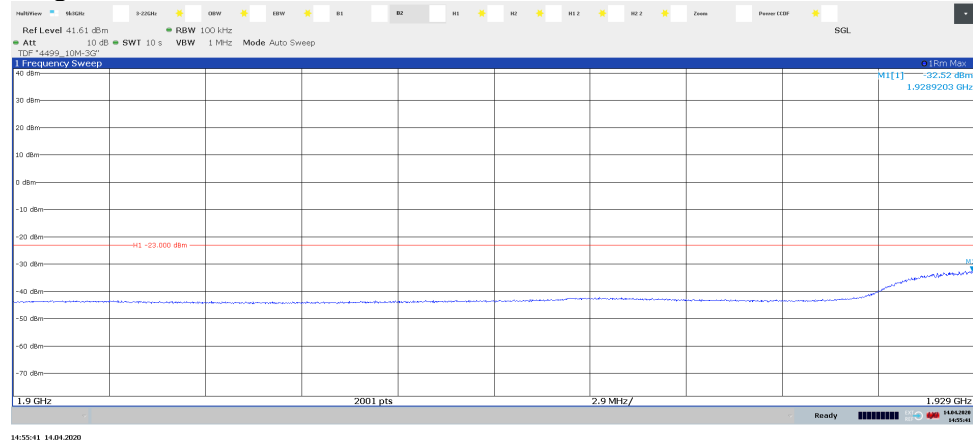
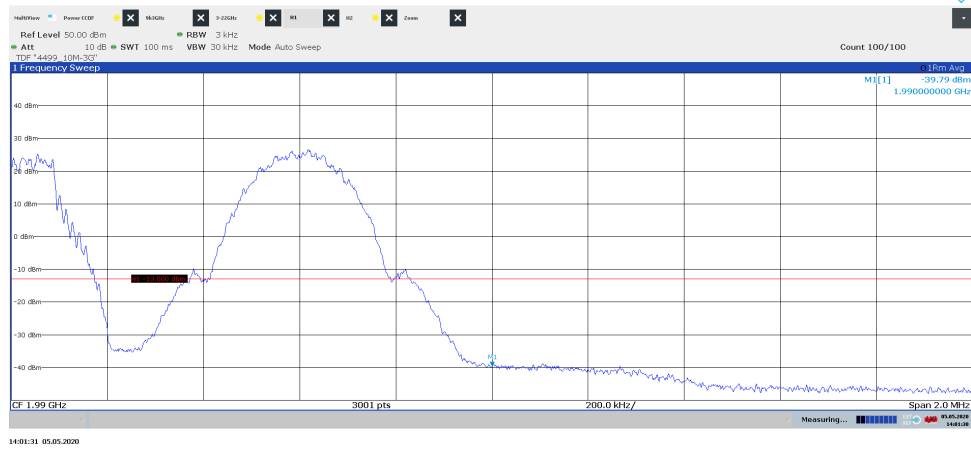
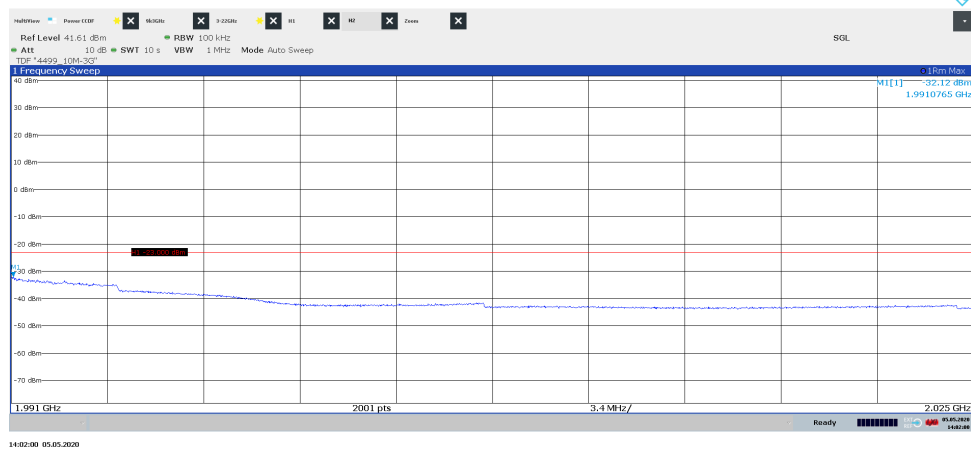
Diagram 2.76a, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1, Bim<sub>G+IoT+L</sub>, Port A:Diagram 2.76b, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1, Bim<sub>G+IoT+L</sub>, Port A:

Diagram 2.77a, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1,  $\text{Tim}_{\text{G+IoT+L}}$ , Port ADiagram 2.77b, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1,  $\text{Tim}_{\text{G+IoT+L}}$ , Port A

## Conducted spurious emission measurements according to CFR 47 §24.238 and §27.53(h) / RSS-133 6.5, RSS-139 6.6

| Date       | Temperature  | Humidity   |
|------------|--------------|------------|
| 2020-02-28 | 24 °C ± 3 °C | 11 % ± 5 % |
| 2020-03-02 | 23 °C ± 3 °C | 18 % ± 5 % |
| 2020-03-03 | 24 °C ± 3 °C | 16 % ± 5 % |
| 2020-03-05 | 24 °C ± 3 °C | 17 % ± 5 % |
| 2020-03-10 | 23 °C ± 3 °C | 18 % ± 5 % |
| 2020-03-12 | 23 °C ± 3 °C | 19 % ± 5 % |
| 2020-03-27 | 23 °C ± 3 °C | 14 % ± 5 % |
| 2020-03-31 | 23 °C ± 3 °C | 12 % ± 5 % |
| 2020-04-01 | 24 °C ± 3 °C | 16 % ± 5 % |
| 2020-04-02 | 23 °C ± 3 °C | 17 % ± 5 % |
| 2020-04-15 | 22 °C ± 3 °C | 25 % ± 5 % |
| 2020-05-04 | 23 °C ± 3 °C | 16 % ± 5 % |
| 2020-05-05 | 22 °C ± 3 °C | 14 % ± 5 % |

### Test set-up and procedure

The measurements were made per definition in ANSI C63.26, 5.7.4. The output was connected to a spectrum analyzer with the RMS detector activated.

Before comparing the results to the limit, 6 dB [ $10 \log_{10}(4)$ ] to cover 4x4 MIMO, should be added according to ANSI C63.26 6.4.4.1 c “measure and add  $10 \log_{10}(N_{\text{ANT}})$ ”.

| Measurement equipment                     | RISE number |
|-------------------------------------------|-------------|
| R&S FSW 43                                | 902 073     |
| Directional coupler                       | 901 496     |
| RF attenuator                             | 902 282     |
| High pass filter 3-27 GHz                 | 901 502     |
| Coaxial cable Megaphase                   | BX50191     |
| Coaxial cable Sucoflex 102EA              | BX50236     |
| Coaxial cable Sucoflex 102EA              | BX50237     |
| Testo 635, temperature and humidity meter | 504 203     |

Measurement uncertainty: 3.7 dB

**Results LTE****B25 max power configuration:**

## Single carrier E-TM1.1

| Diagram  | Symbolic name    | Tested Port |
|----------|------------------|-------------|
| 3.1 a-b  | B <sub>3</sub>   | RF A        |
| 3.2 a-b  | B <sub>20</sub>  | RF A        |
| 3.3 a-b  | M <sub>1.4</sub> | RF A        |
| 3.4 a-b  | M <sub>3</sub>   | RF A        |
| 3.5 a-b  | M <sub>5</sub>   | RF A        |
| 3.6 a-b  | M <sub>10</sub>  | RF A        |
| 3.7 a-b  | M <sub>10</sub>  | RF B        |
| 3.8 a-b  | M <sub>10</sub>  | RF C        |
| 3.9 a-b  | M <sub>10</sub>  | RF D        |
| 3.10 a-b | M <sub>15</sub>  | RF A        |
| 3.11 a-b | M <sub>20</sub>  | RF A        |
| 3.12 a-b | T <sub>3</sub>   | RF A        |
| 3.13 a-b | T <sub>20</sub>  | RF A        |

## Multi carrier E-TM1.1

| Diagram  | Symbolic name    | Tested Port |
|----------|------------------|-------------|
| 3.14 a-c | Bim <sub>3</sub> | RF A        |
| 3.15 a-c | Tim <sub>3</sub> | RF A        |
| 3.16 a-c | M6 <sub>10</sub> | RF A        |

Note: Measurements were mainly limited to port RF A due to the measurement result in single carrier mode that shows that the ports are electrical identical as declared by the client.

**B66 max power configuration:**

## Single carrier E-TM1.1

| Diagram  | Symbolic name   | Tested Port |
|----------|-----------------|-------------|
| 3.17 a-b | B <sub>10</sub> | RF B        |
| 3.18 a-b | M <sub>5</sub>  | RF B        |
| 3.19 a-b | M <sub>10</sub> | RF A        |
| 3.20 a-b | M <sub>10</sub> | RF B        |
| 3.21 a-b | M <sub>10</sub> | RF C        |
| 3.22 a-b | M <sub>10</sub> | RF D        |
| 3.23 a-b | M <sub>15</sub> | RF B        |
| 3.24 a-b | M <sub>20</sub> | RF B        |
| 3.25 a-b | T <sub>10</sub> | RF B        |

## Multi carrier E-TM1.1

| Diagram  | Symbolic name    | Tested Port |
|----------|------------------|-------------|
| 3.26 a-c | Bim <sub>5</sub> | RF B        |
| 3.27 a-c | Tim <sub>5</sub> | RF B        |
| 3.28 a-c | M6 <sub>10</sub> | RF B        |

## Results GSM

## B2 max power configuration:

## Multi RAT: GSM: GMSK, LTE: E-TM1.1

| Diagram  | Symbolic name    | Tested Port |
|----------|------------------|-------------|
| 3.29 a-b | B <sub>G+L</sub> | RF A        |
| 3.30 a-b | M <sub>G+L</sub> | RF A        |
| 3.31 a-b | M <sub>G+L</sub> | RF B        |
| 3.32 a-b | M <sub>G+L</sub> | RF C        |
| 3.33 a-b | M <sub>G+L</sub> | RF D        |
| 3.34 a-b | T <sub>G+L</sub> | RF A        |

## Multi RAT: GSM: GMSK, LTE: E-TM1.1

| Diagram  | Symbolic name     | Tested Port |
|----------|-------------------|-------------|
| 3.35 a-c | M4 <sub>G+L</sub> | RF A        |

## Multi RAT: GSM: 8PSK, LTE: E-TM1.1

| Diagram  | Symbolic name      | Tested Port |
|----------|--------------------|-------------|
| 3.36 a-c | Bim <sub>G+L</sub> | RF A        |
| 3.37 a-c | Tim <sub>G+L</sub> | RF A        |

## Results NB IoT SA/ GB/ IB

## B25 max power configuration:

## Multi RAT: NB IoT SA/GB/IB: N-TM, LTE: E-TM1.1

| Diagram  | Symbolic name        | Tested Port |
|----------|----------------------|-------------|
| 3.38 a-c | B <sub>IoT+L</sub>   | RF A        |
| 3.39 a-c | B <sub>IBIoT+L</sub> | RF A        |
| 3.40 a-c | M <sub>IoT+L</sub>   | RF A        |
| 3.41 a-c | M <sub>IoT+L</sub>   | RF B        |
| 3.42 a-c | M <sub>IoT+L</sub>   | RF C        |
| 3.43 a-c | M <sub>IoT+L</sub>   | RF D        |
| 3.44 a-c | M <sub>IBIoT+L</sub> | RF A        |
| 3.45 a-c | T <sub>IoT+L</sub>   | RF A        |
| 3.46 a-c | T <sub>IBIoT+L</sub> | RF A        |
| 3.47 a-c | T10 <sub>Guard</sub> | RF A        |
| 3.48 a-c | T15 <sub>Guard</sub> | RF A        |
| 3.49 a-c | T20 <sub>Guard</sub> | RF A        |

**B66 max power configuration:**

Multi RAT: NB IoT SA/GB/IB: N-TM, LTE: E-TM1.1

| Diagram  | Symbolic name        | Tested Port |
|----------|----------------------|-------------|
| 3.50 a-c | B <sub>IoT+L</sub>   | RF B        |
| 3.51 a-c | B <sub>IBIoT+L</sub> | RF B        |
| 3.52 a-c | B <sub>10Guard</sub> | RF B        |
| 3.53 a-c | B <sub>15Guard</sub> | RF B        |
| 3.54 a-c | B <sub>20Guard</sub> | RF B        |
| 3.55 a-c | M <sub>IoT+L</sub>   | RF A        |
| 3.56 a-c | M <sub>IoT+L</sub>   | RF B        |
| 3.57 a-c | M <sub>IoT+L</sub>   | RF C        |
| 3.58 a-c | M <sub>IoT+L</sub>   | RF D        |
| 3.59 a-c | M <sub>IBIoT+L</sub> | RF B        |
| 3.60 a-c | T <sub>IoT+L</sub>   | RF B        |
| 3.61 a-c | T <sub>IBIoT+L</sub> | RF B        |

**Results GSM+NB IoT SA+LTE****B2 max power configuration:**

Multi RAT GSM: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1

| Diagram  | Symbolic name          | Tested Port |
|----------|------------------------|-------------|
| 3.62 a-c | B <sub>imG+IoT+L</sub> | RF A        |
| 3.63 a-c | T <sub>imG+IoT+L</sub> | RF A        |
| 3.64 a-c | Max <sub>G+IoT+L</sub> | RF A        |

Note: Measurements were mainly limited to port RF A due to the measurement result in single carrier mode that shows that the ports are electrical identical as declared by the client.

**Remark**

The emission at 9 kHz on the plots was not generated by the test object. A complementary measurement with a smaller RBW showed that it was related to the LO feed-through.

The highest fundamental frequency is 2180 MHz. The measurements were made up to 22 GHz (10x2180 MHz = 21.80 GHz).

**Limits**

CFR 47 §24.238, §27.53(h) and RSS-133 6.5, RSS-139 6.6

- i. In the 1.0 MHz bands immediately outside and adjacent to the equipment's operating frequency block, the emission power per any 1% of the emission bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} P(\text{watts})$ .
- ii. After the first 1.0 MHz, the emission power in any 1 MHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least  $43 + 10 \log_{10} P(\text{watts})$ . If the measurement is performed using 1% of the emission bandwidth, power integration over 1.0 MHz is required.

|           |     |
|-----------|-----|
| Complies? | Yes |
|-----------|-----|

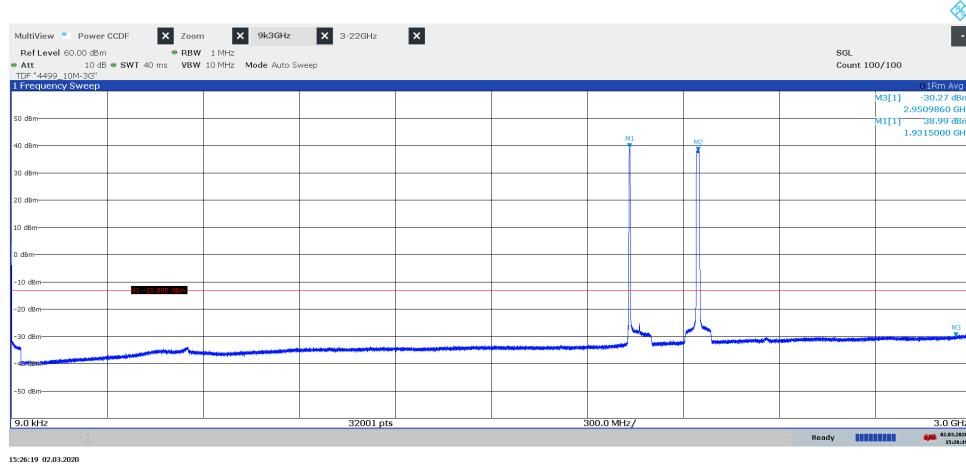
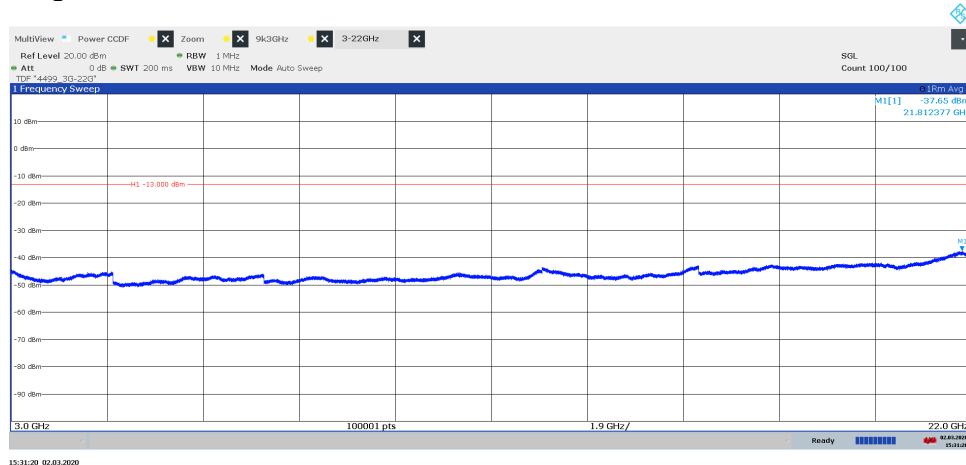
Diagram 3.1a, E-TM1.1, B<sub>3</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.1b, E-TM1.1, B<sub>3</sub>, 3 GHz – 22 GHz, Port A:

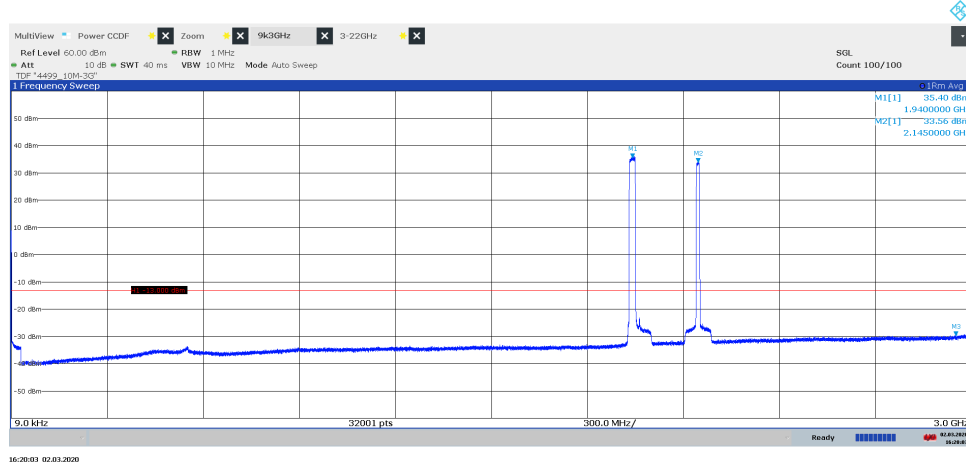
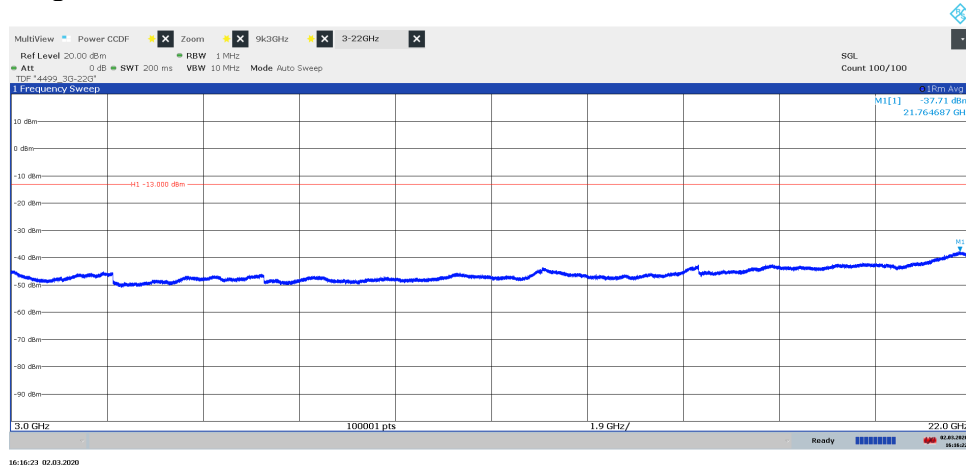
Diagram 3.2a, E-TM1.1, B<sub>20</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.2b, E-TM1.1, B<sub>20</sub>, 3 GHz – 22 GHz, Port A:

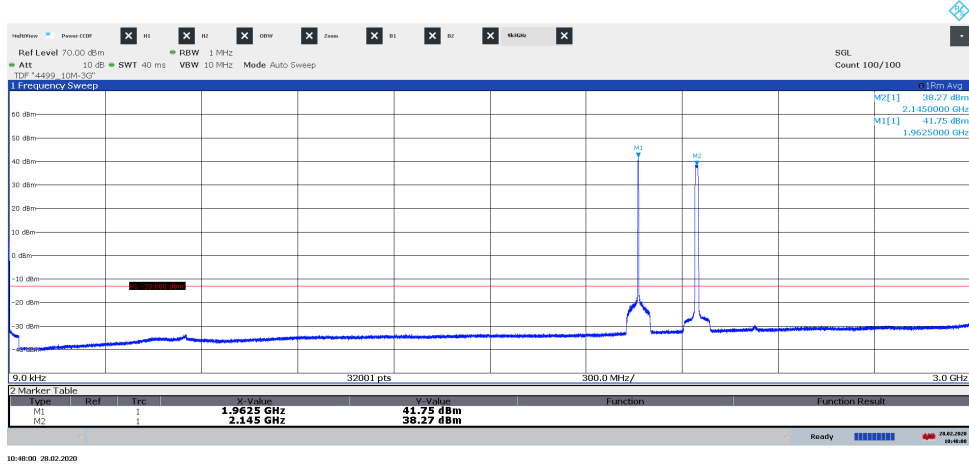
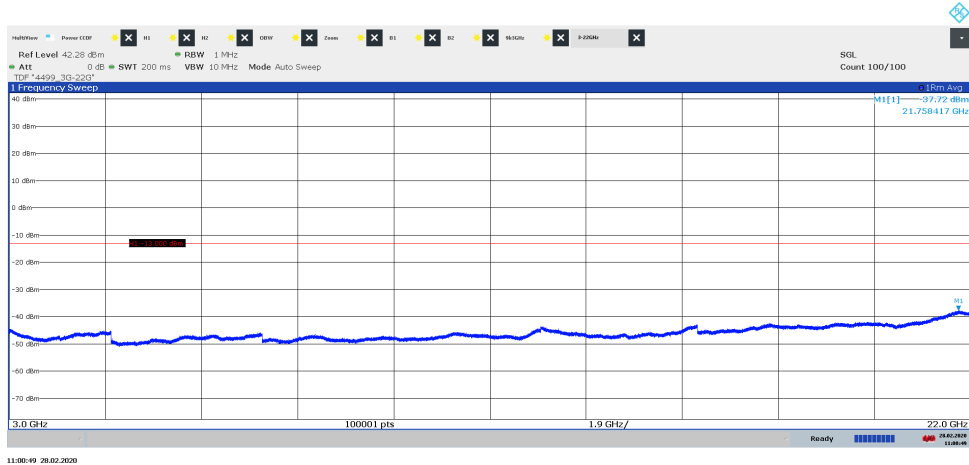
Diagram 3.3a, E-TM1.1, M<sub>1,4</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.3b, E-TM1.1, M<sub>1,4</sub>, 3 GHz – 22 GHz, Port A:

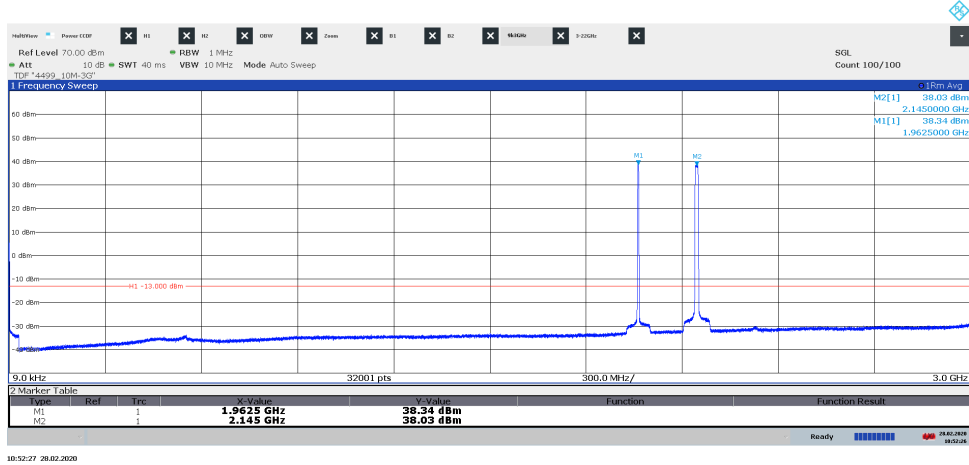
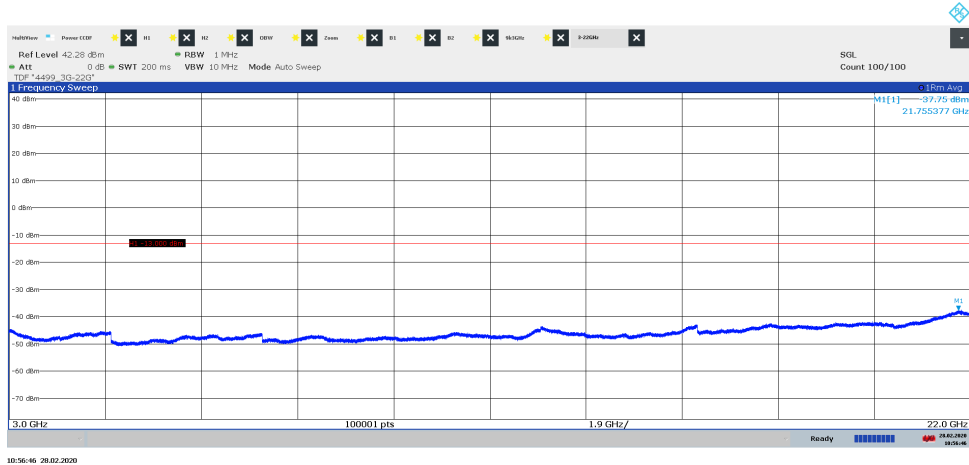
Diagram 3.4a, E-TM1.1, M<sub>3</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.4b, E-TM1.1, M<sub>3</sub>, 3 GHz – 22 GHz, Port A:

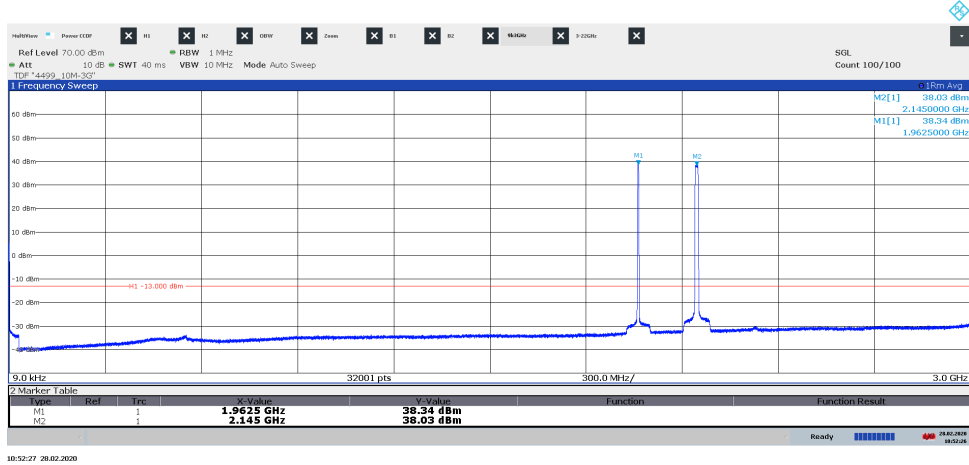
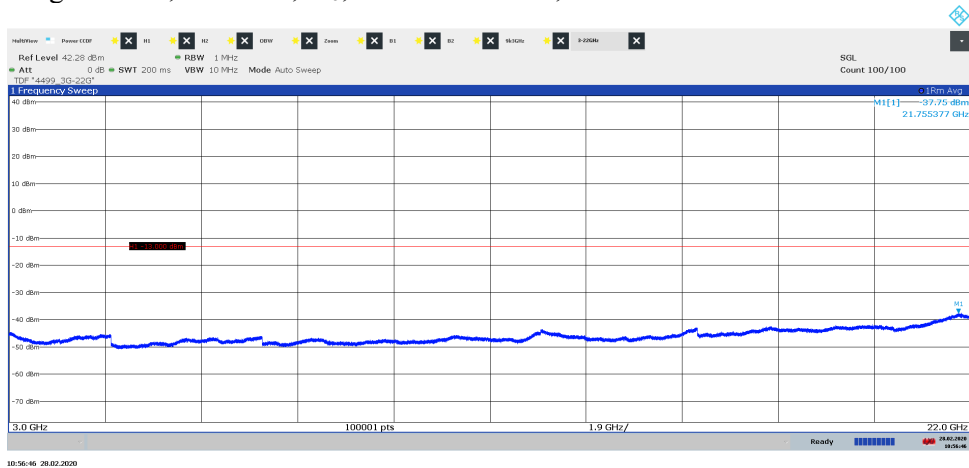
Diagram 3.5a, E-TM1.1, M<sub>5</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.5b, E-TM1.1, M<sub>5</sub>, 3 GHz – 22 GHz, Port A:

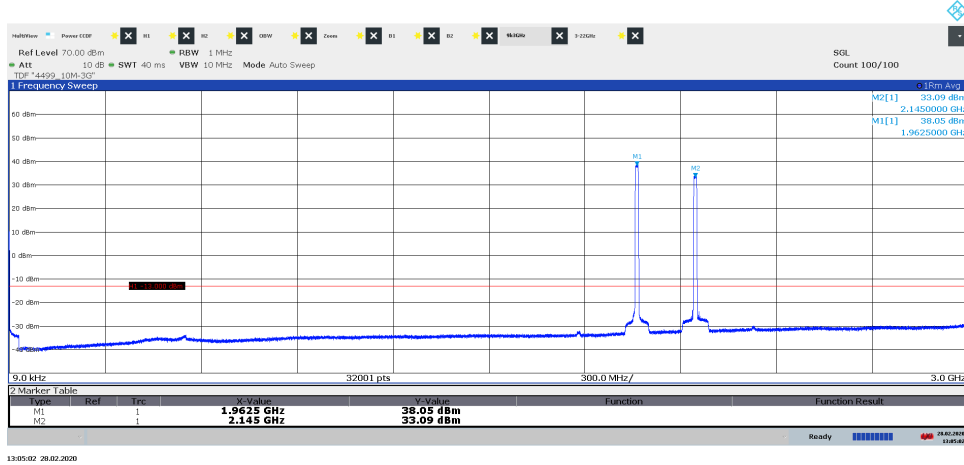
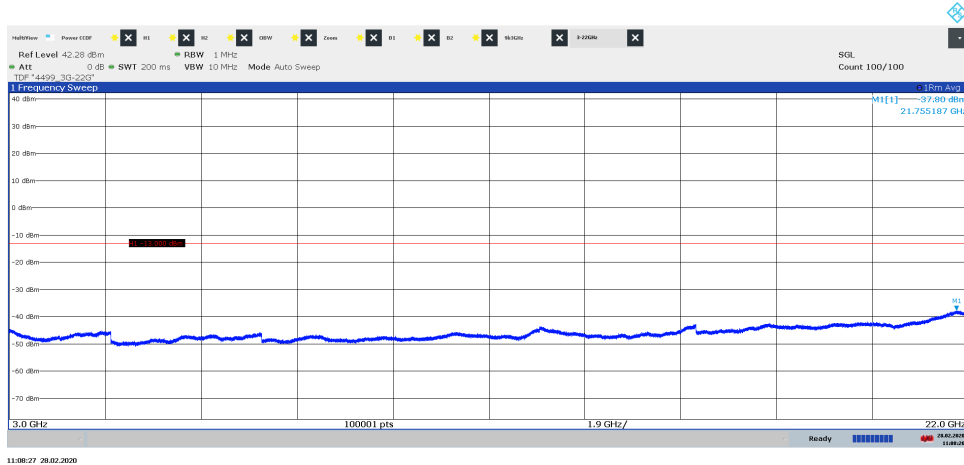
Diagram 3.6a, E-TM1.1, M<sub>10</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.6b, E-TM1.1, M<sub>10</sub>, 3 GHz – 22 GHz, Port A:

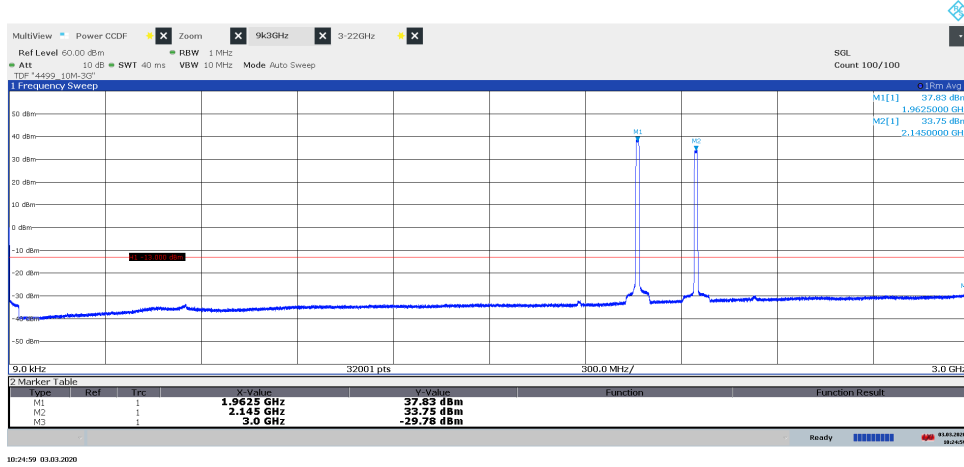
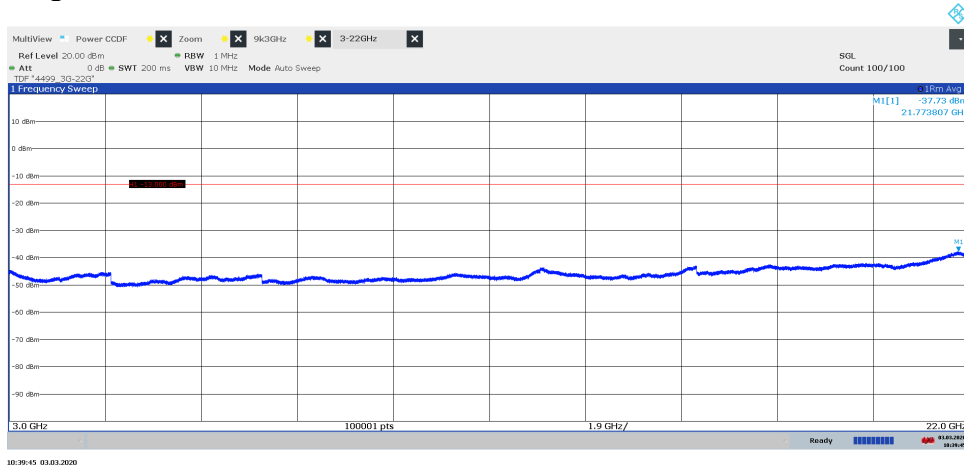
Diagram 3.7a, E-TM1.1, M<sub>10</sub>, 9 kHz – 3 GHz, Port B:Diagram 3.7b, E-TM1.1, M<sub>10</sub>, 3 GHz – 22 GHz, Port B:

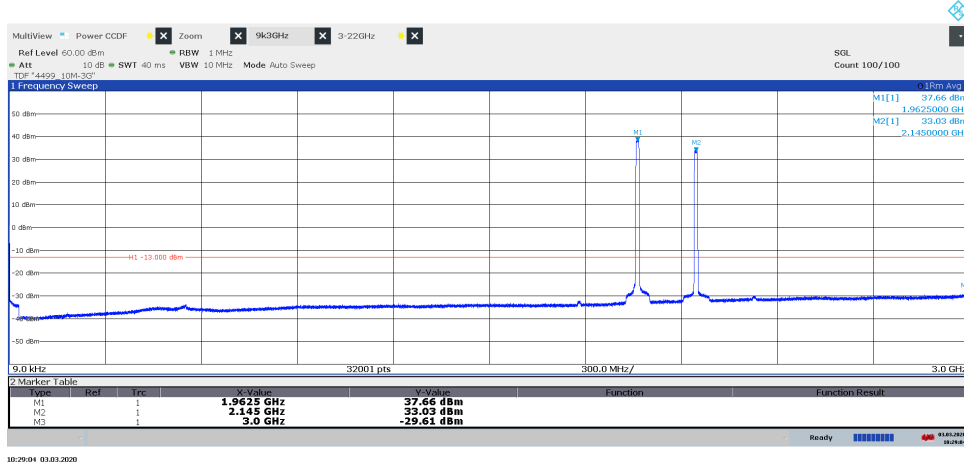
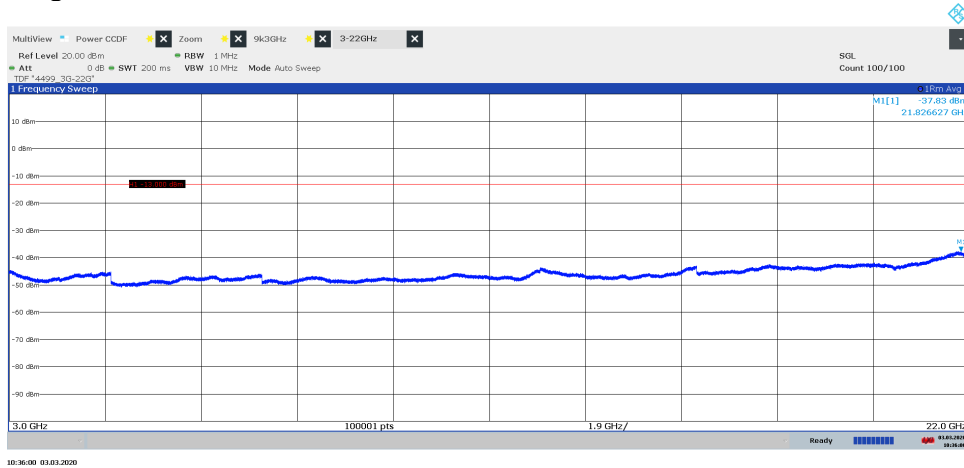
Diagram 3.8a, E-TM1.1, M<sub>10</sub>, 9 kHz – 3 GHz, Port C:Diagram 3.8b, E-TM1.1, M<sub>10</sub>, 3 GHz – 22 GHz, Port C:

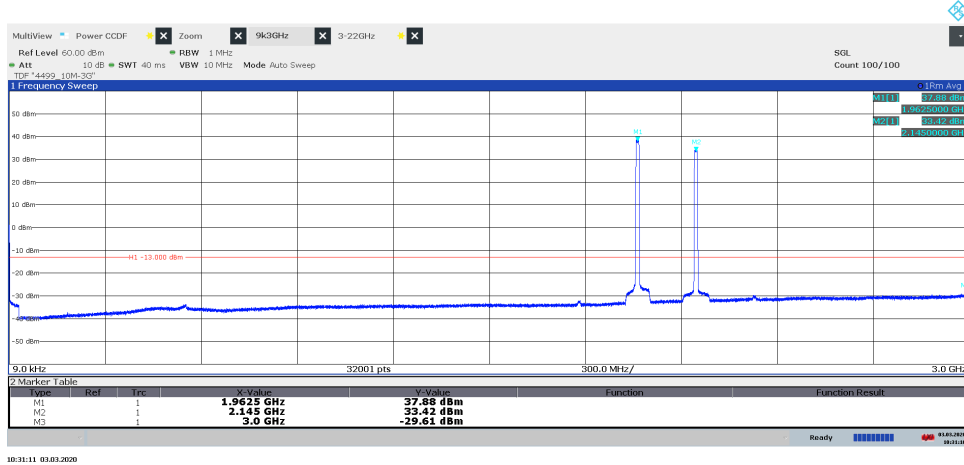
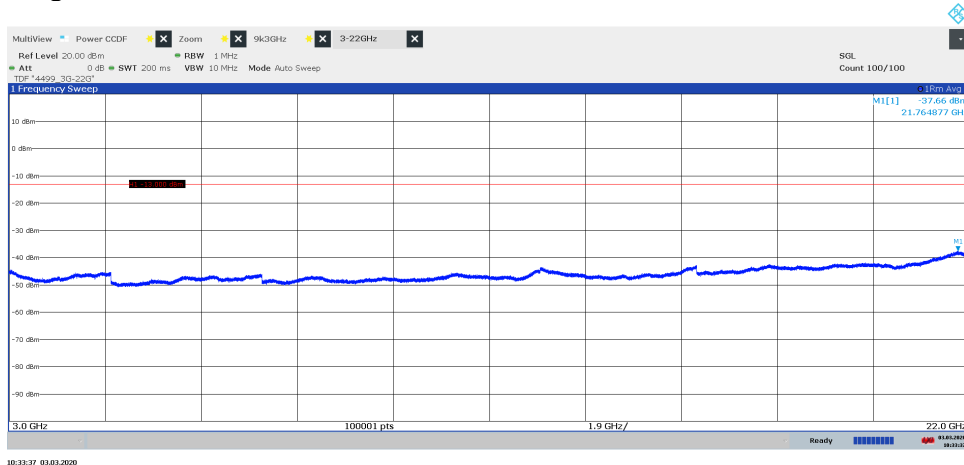
Diagram 3.9a, E-TM1.1, M<sub>10</sub>, 9 kHz – 3 GHz, Port D:Diagram 3.9b, E-TM1.1, M<sub>10</sub>, 3 GHz – 22 GHz, Port D:

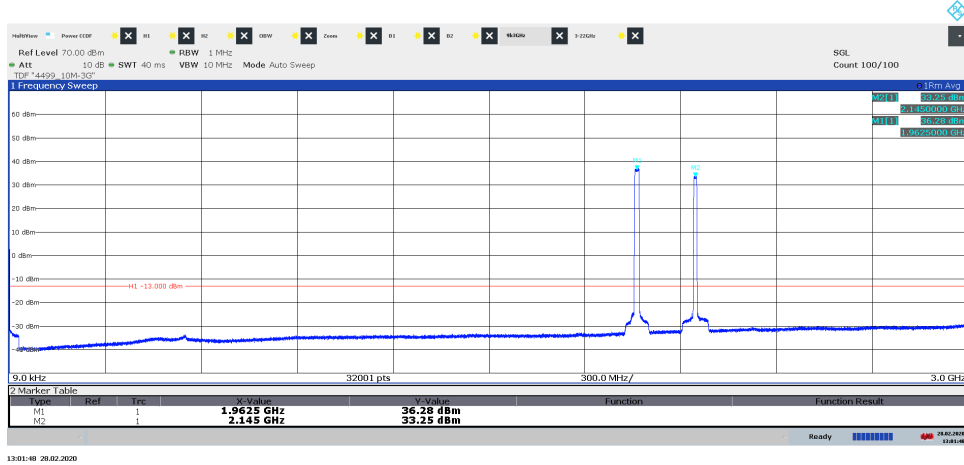
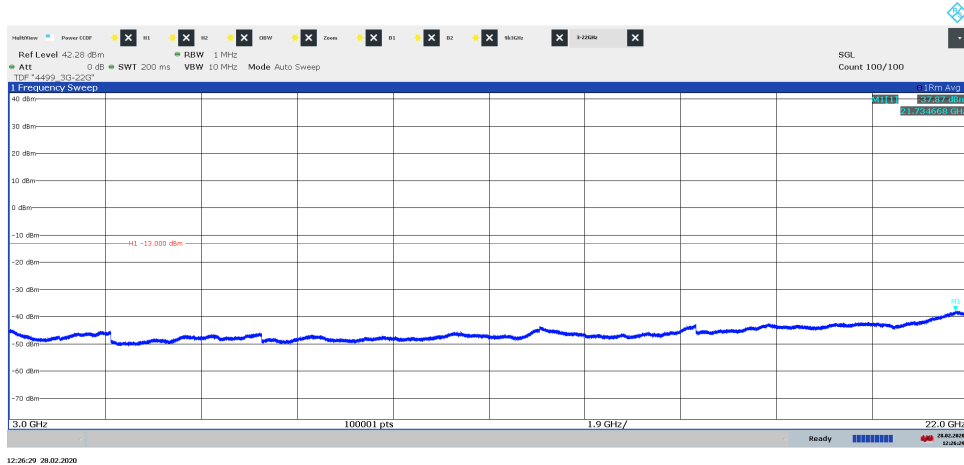
Diagram 3.10a, E-TM1.1, M<sub>15</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.10b, E-TM1.1, M<sub>15</sub>, 3 GHz – 22 GHz, Port A:

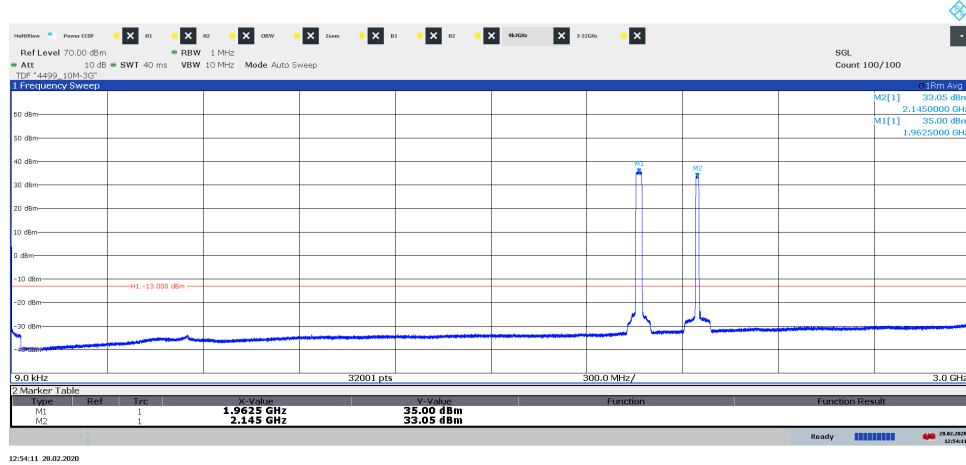
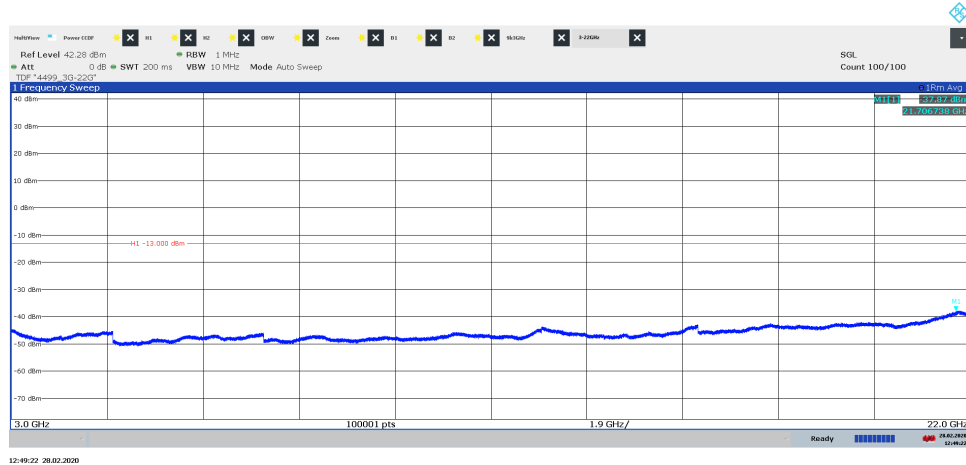
Diagram 3.11a, E-TM1.1, M<sub>20</sub>, 9 kHz – 3 GHz, Port A:Diagram 3.11b, E-TM1.1, M<sub>20</sub>, 3 GHz – 22 GHz, Port A:

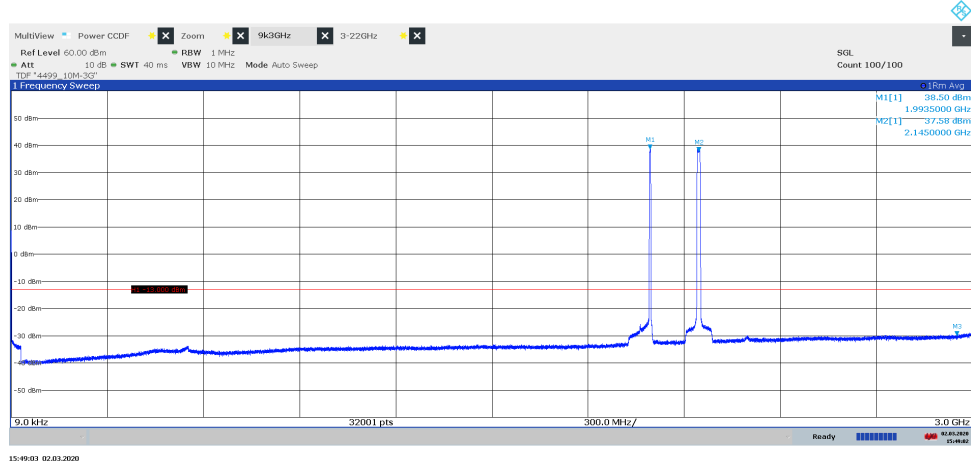
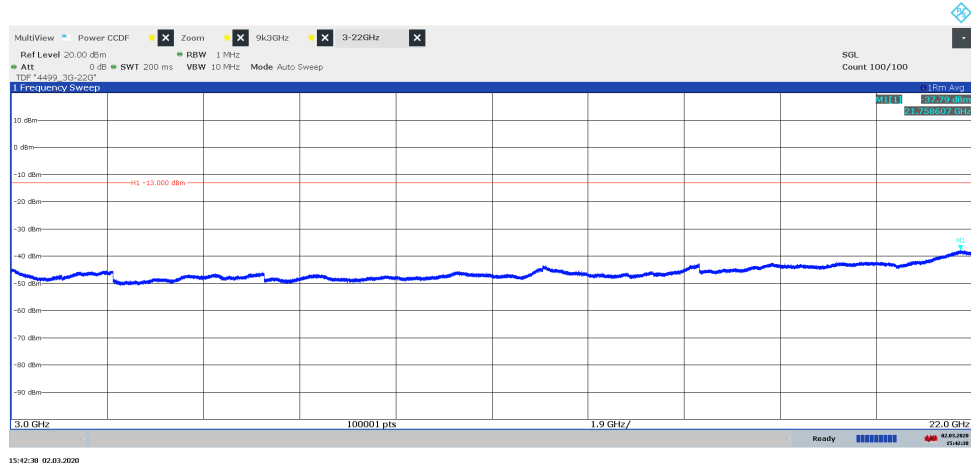
Diagram 3.12a, E-TM1.1,  $T_3$ , 9 kHz – 3 GHz, Port A:Diagram 3.12b, E-TM1.1,  $T_3$ , 3 GHz – 22 GHz, Port A:

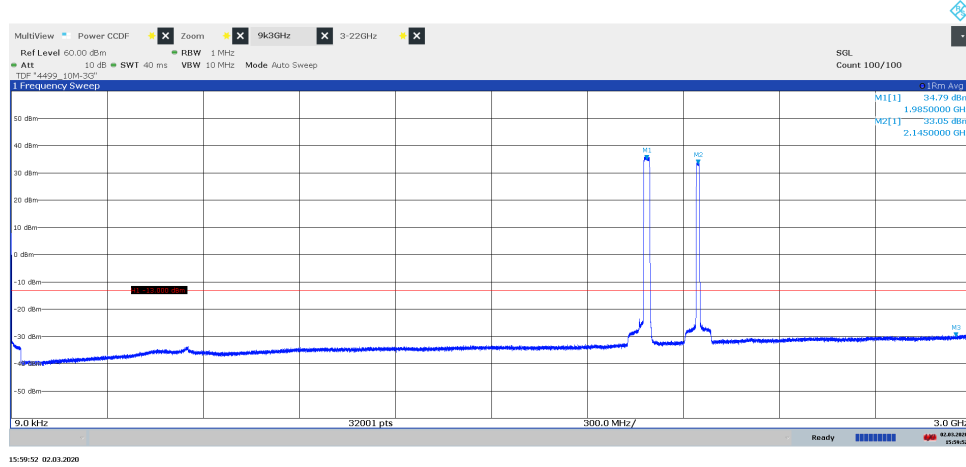
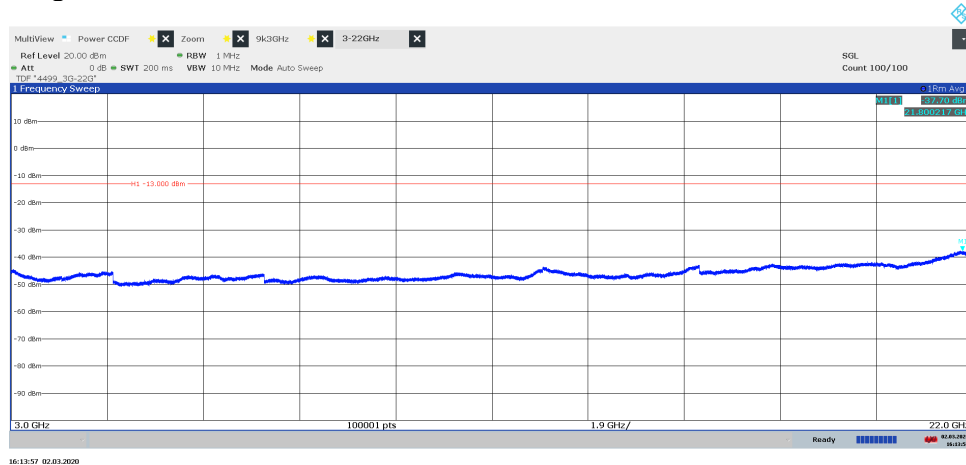
Diagram 3.13a, E-TM1.1,  $T_{20}$ , 9 kHz – 3 GHz, Port A:Diagram 3.13b, E-TM1.1,  $T_{20}$ , 3 GHz – 22 GHz, Port A:

Diagram 3.14a, E-TM1.1, Bim<sub>3</sub>, 9 kHz – 3 GHz, Port A:

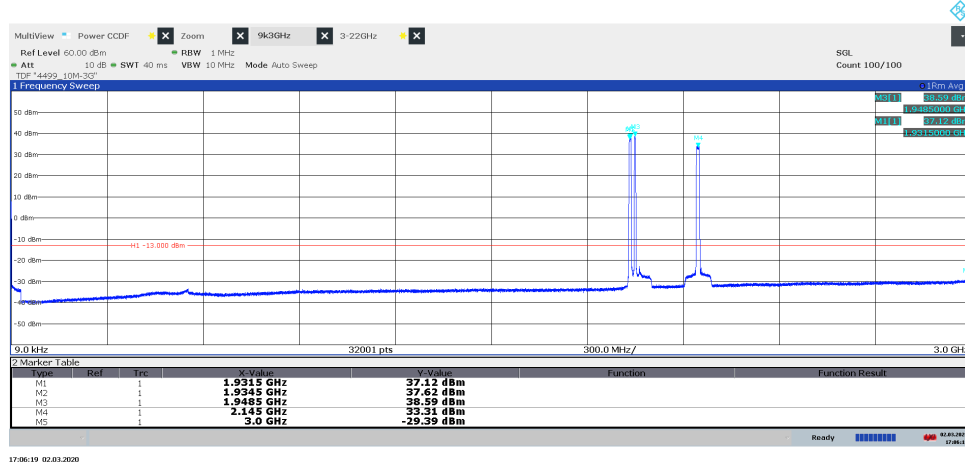
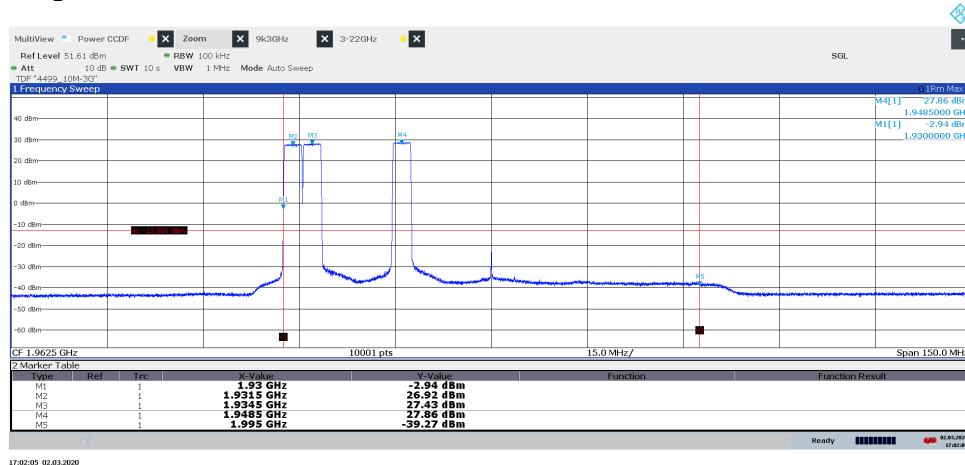


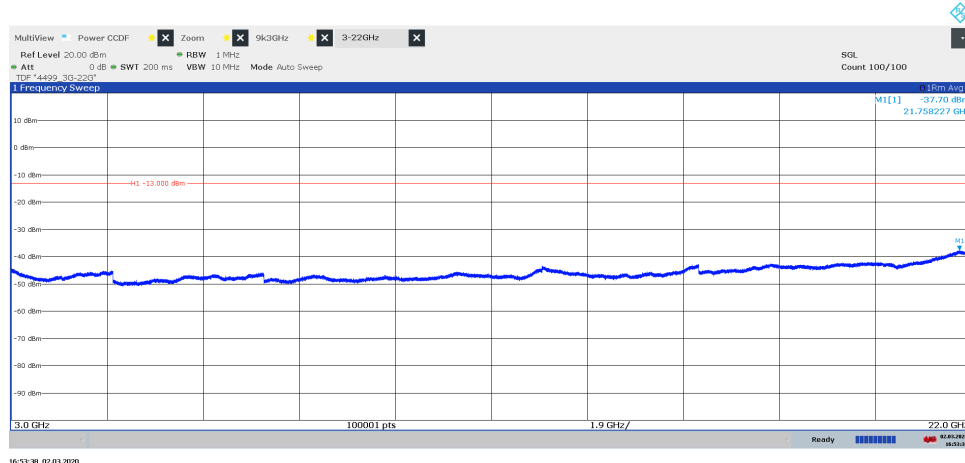
Diagram 3.14b, E-TM1.1, Bim<sub>3</sub>, 1.8875 GHz – 2.0375 GHz, Port A:



17:02:05 02.03.2020

Note: The purpose of this measurement is to find IM products, not to verify compliance at the edges.

Diagram 3.14c, E-TM1.1, Bim<sub>3</sub>, 3 GHz – 22 GHz, Port A:



16:53:30 02.03.2020

Diagram 3.15a, E-TM1.1, Tim<sub>3</sub>, 9 kHz – 3 GHz, Port A:

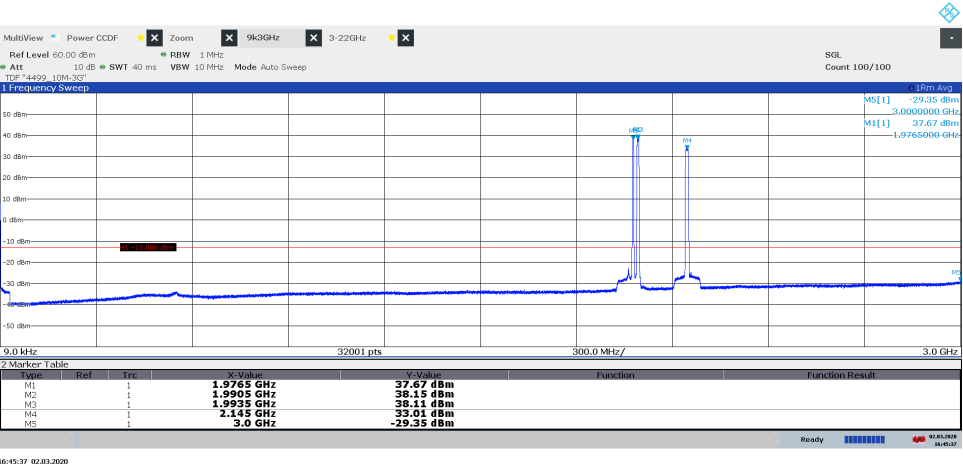
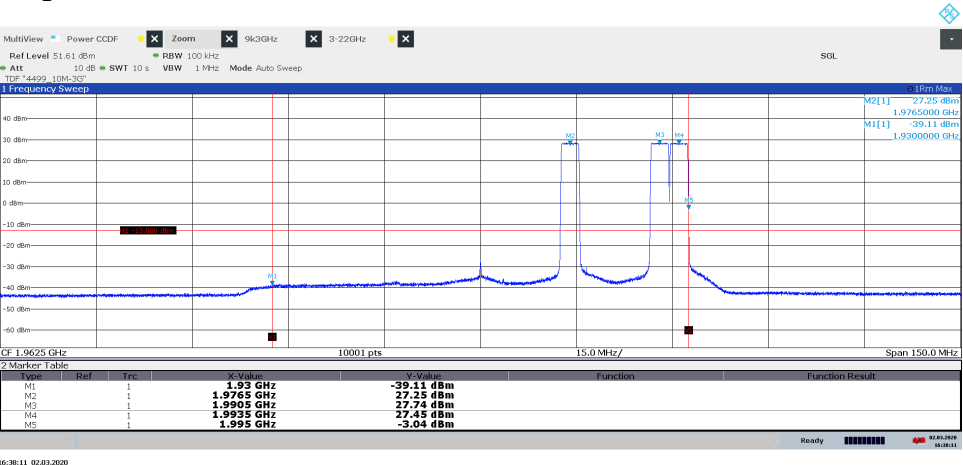


Diagram 3.15b, E-TM1.1, Tim<sub>3</sub>, 1.8875 GHz – 2.0375 GHz, Port A:



Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.15c, E-TM1.1, Tim<sub>3</sub>, 3 GHz – 22 GHz, Port A:

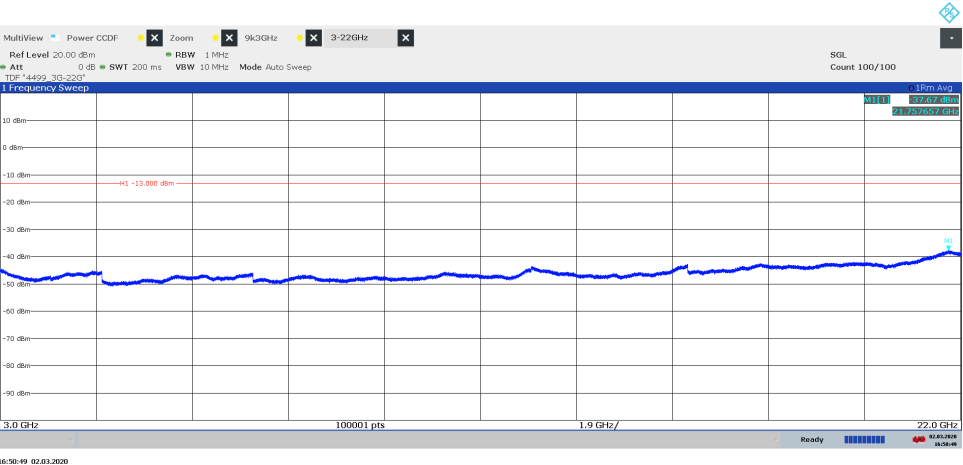


Diagram 3.16a, E-TM1.1, M6<sub>10</sub>, 9 kHz – 3 GHz, Port A:

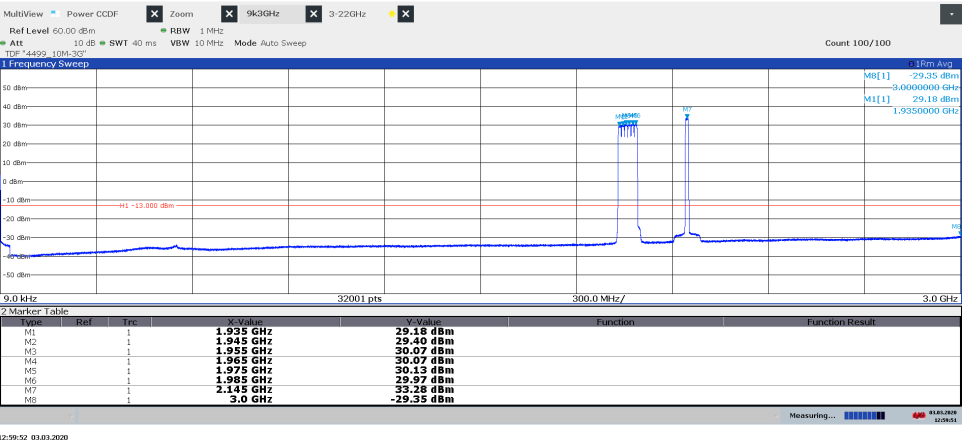


Diagram 3.16b, E-TM1.1, M6<sub>10</sub>, 1.8875 GHz – 2.0375 GHz, Port A:

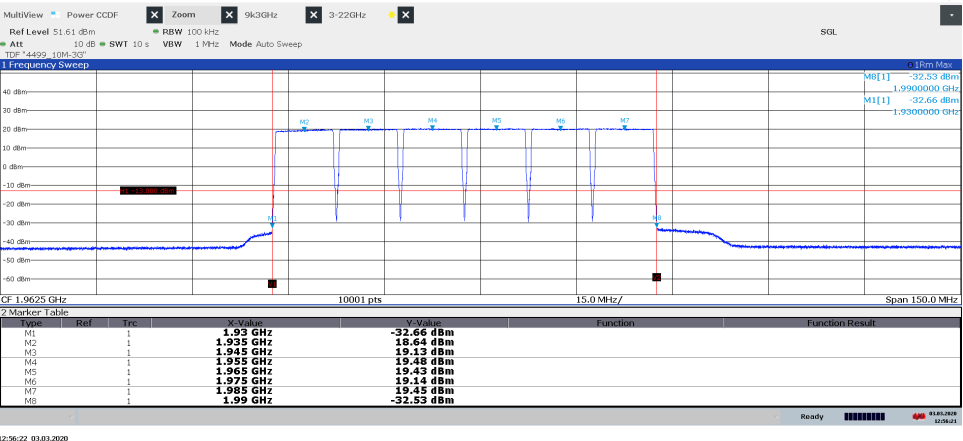


Diagram 3.16c, E-TM1.1, M6<sub>10</sub>, 3 GHz – 22 GHz, Port A:

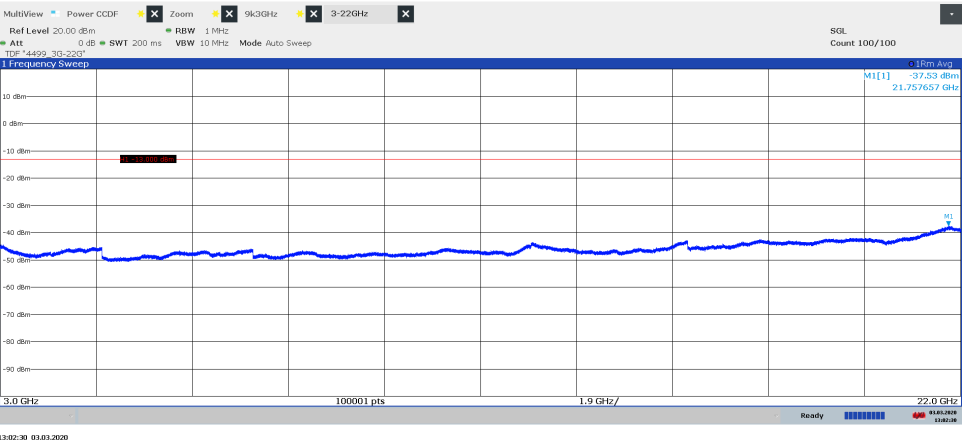


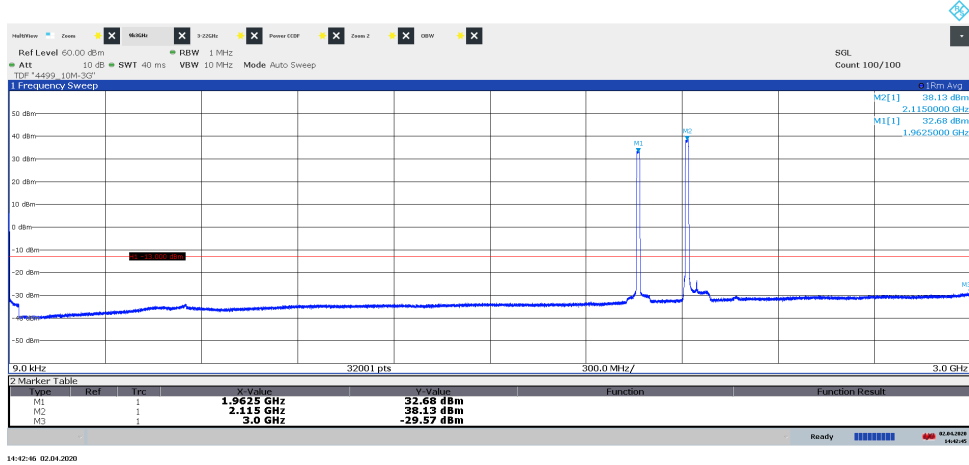
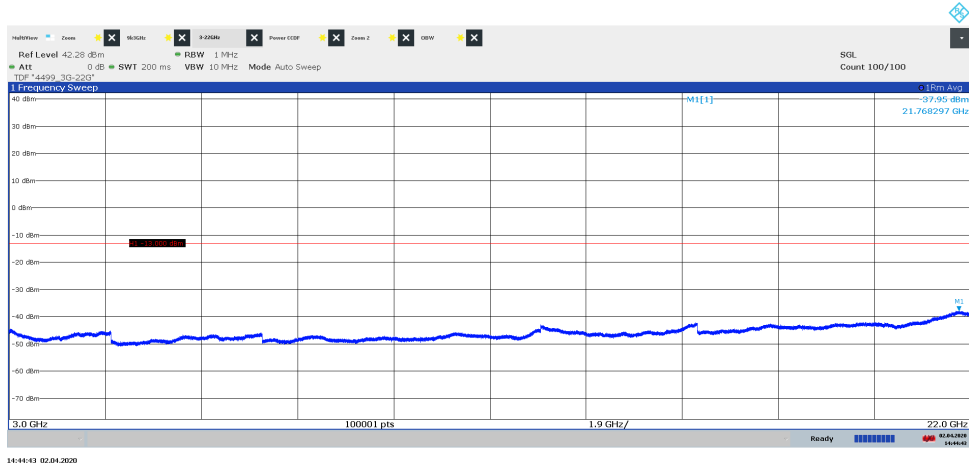
Diagram 3.17a, E-TM1.1, B<sub>10</sub>, 9 kHz – 3 GHz, Port B:Diagram 3.17b, E-TM1.1, B<sub>10</sub>, 3 GHz – 22 GHz, Port B:

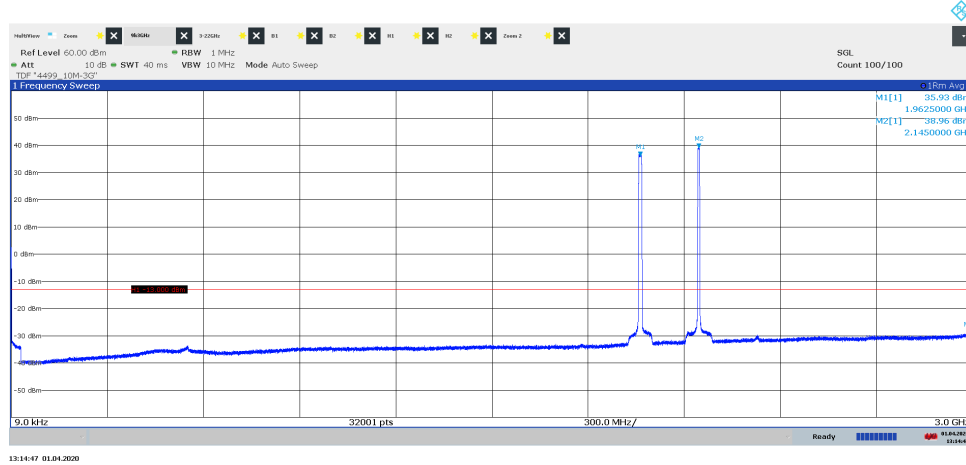
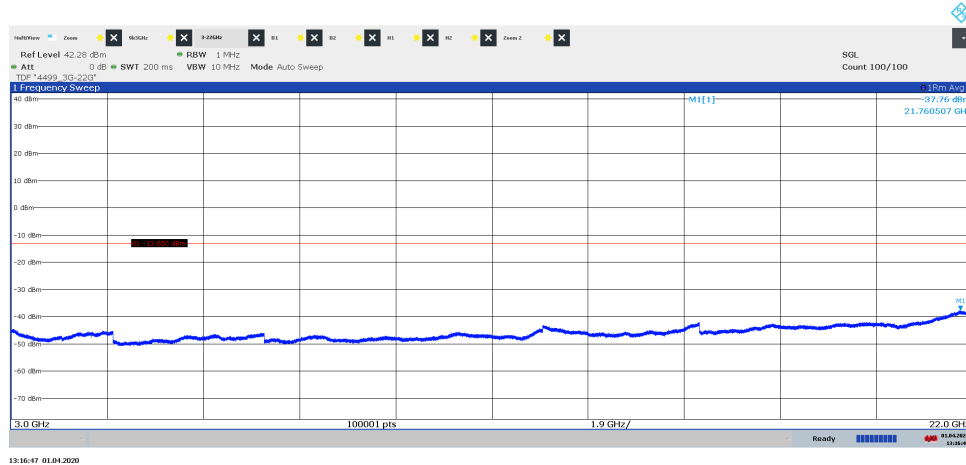
Diagram 3.18a, E-TM1.1, M<sub>5</sub>, 9 kHz – 3 GHz, Port B:Diagram 3.18b, E-TM1.1, M<sub>5</sub>, 3 GHz – 22 GHz, Port B:



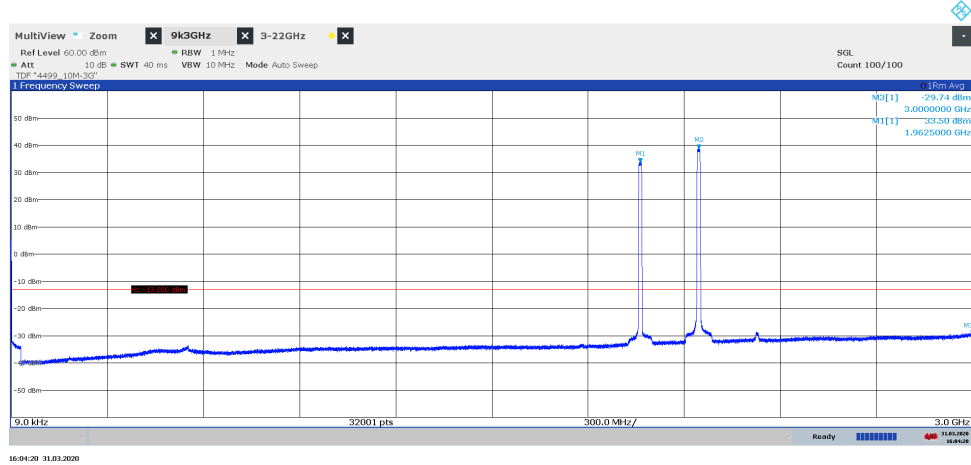
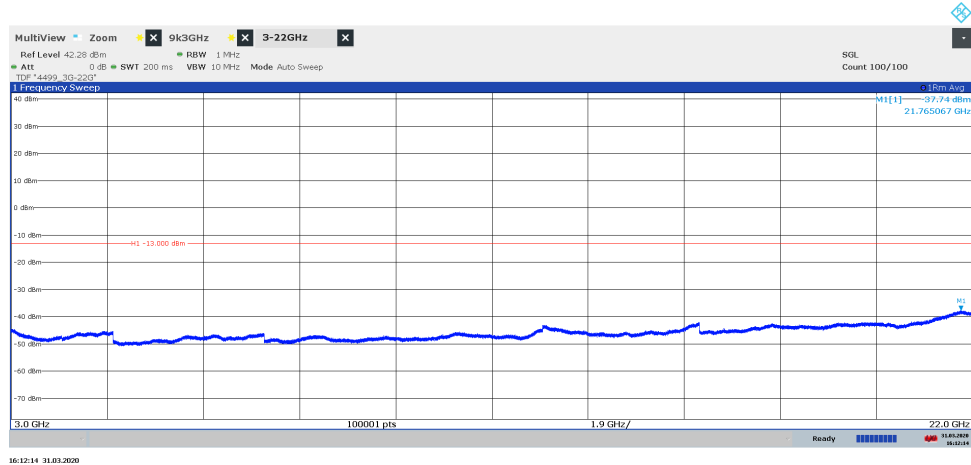
Diagram 3.20a, E-TM1.1,  $M_{10}$ , 9 kHz – 3 GHz, Port B:Diagram 3.20b, E-TM1.1,  $M_{10}$ , 3 GHz – 22 GHz, Port B:

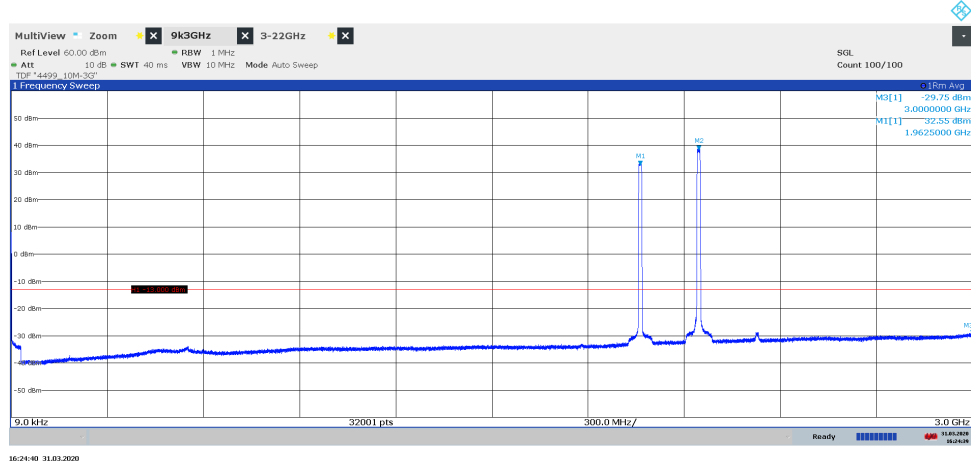
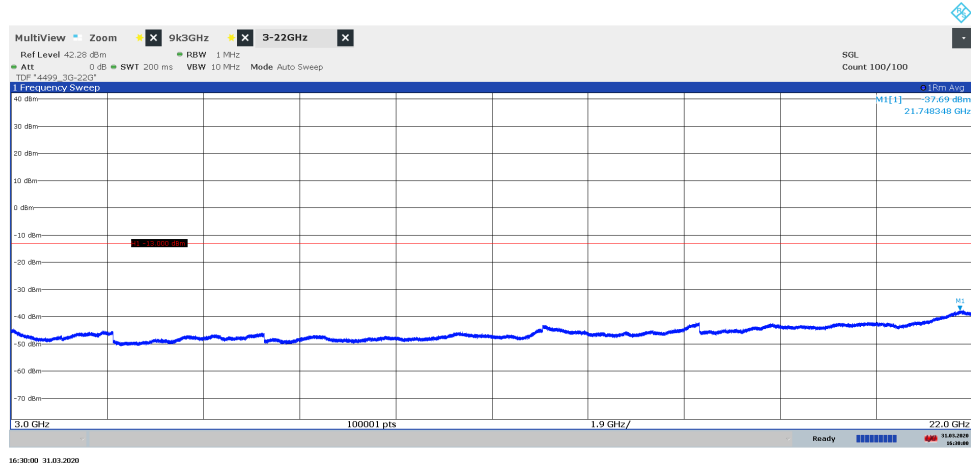
Diagram 3.21a, E-TM1.1,  $M_{10}$ , 9 kHz – 3 GHz, Port C:Diagram 3.21b, E-TM1.1,  $M_{10}$ , 3 GHz – 22 GHz, Port C:

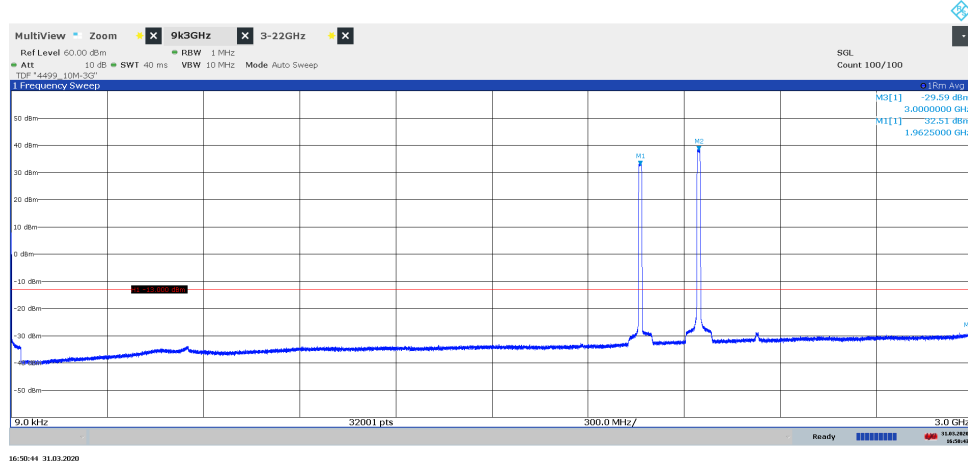
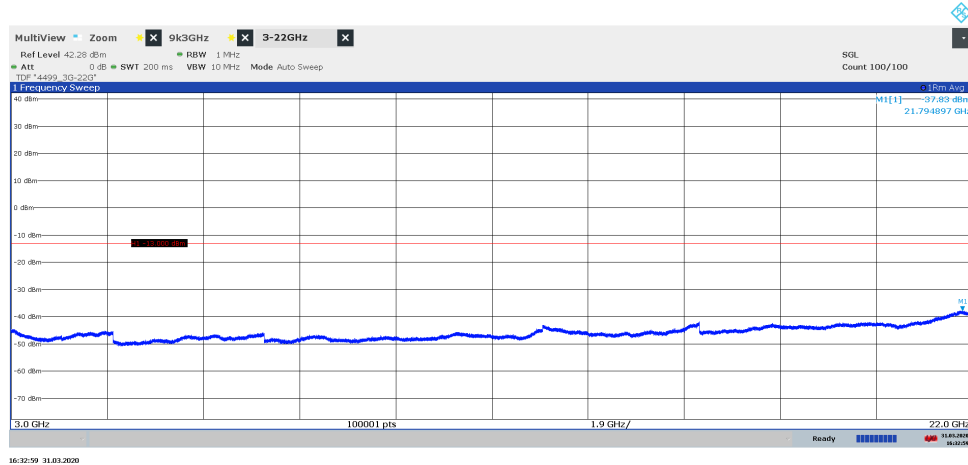
Diagram 3.22a, E-TM1.1,  $M_{10}$ , 9 kHz – 3 GHz, Port D:Diagram 3.22b, E-TM1.1,  $M_{10}$ , 3 GHz – 22 GHz, Port D:

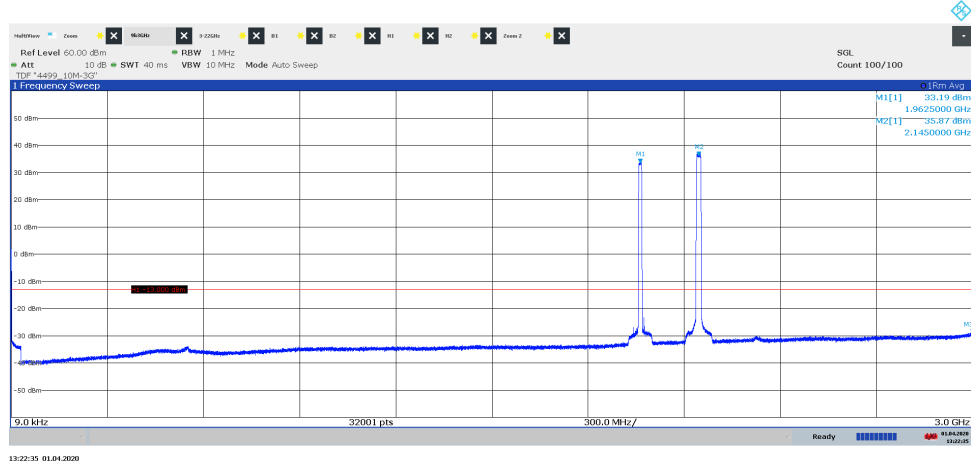
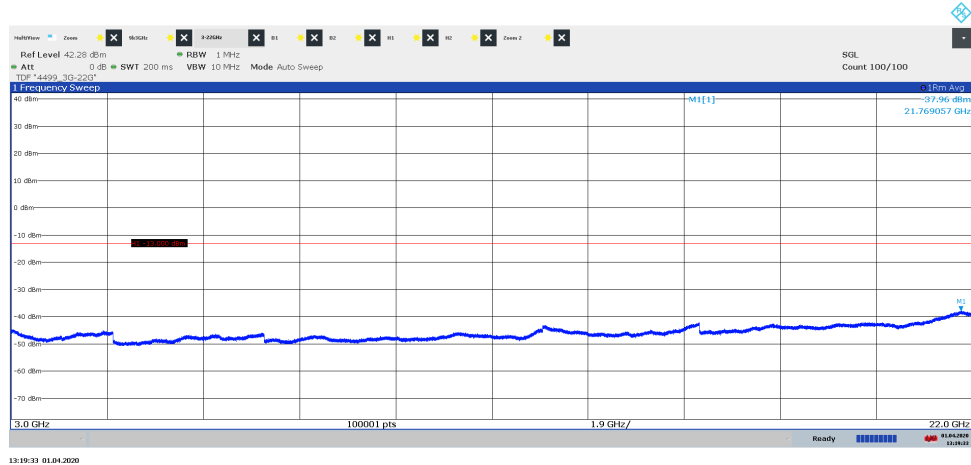
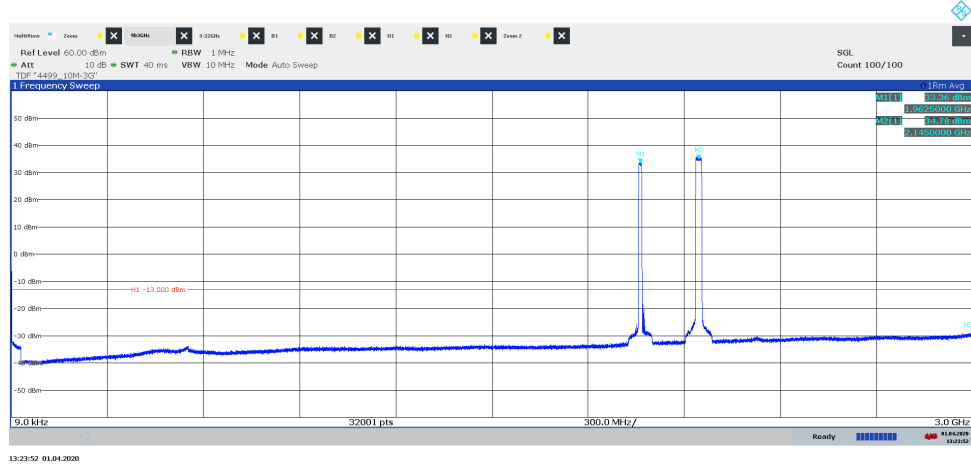
Diagram 3.23a, E-TM1.1, M<sub>15</sub>, 9 kHz – 3 GHz, Port B:Diagram 3.23b, E-TM1.1, M<sub>15</sub>, 3 GHz – 22 GHz, Port B:

Diagram 3.24a, E-TM1.1, M<sub>20</sub>, 9 kHz – 3 GHz, Port B:Diagram 3.24b, E-TM1.1, M<sub>20</sub>, 3 GHz – 22 GHz, Port B: