

Diagram 2.45a LTE: ETM1.1, T<sub>5LTE</sub>, Port D:

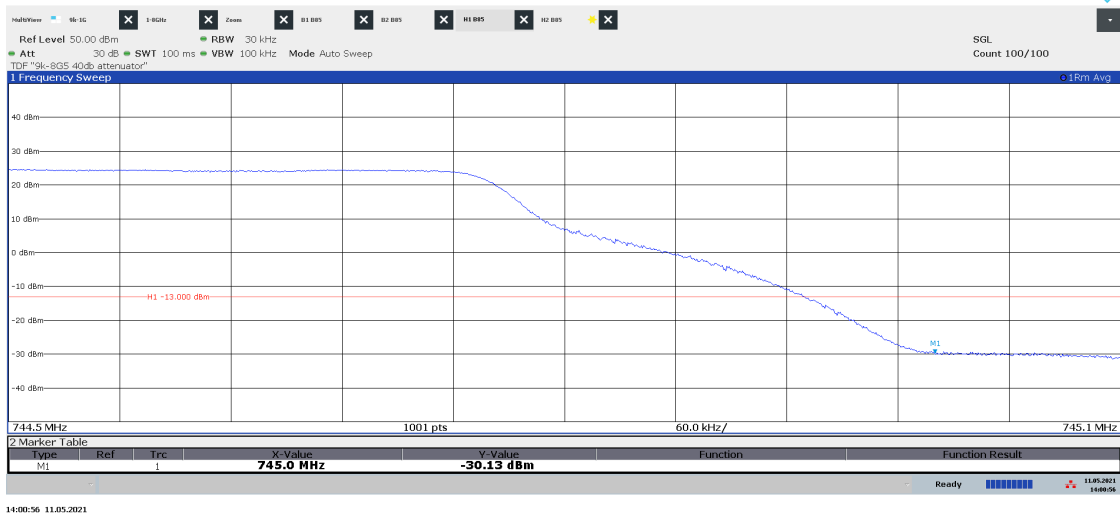


Diagram 2.45b LTE: ETM1.1, T<sub>5LTE</sub>, Port D:

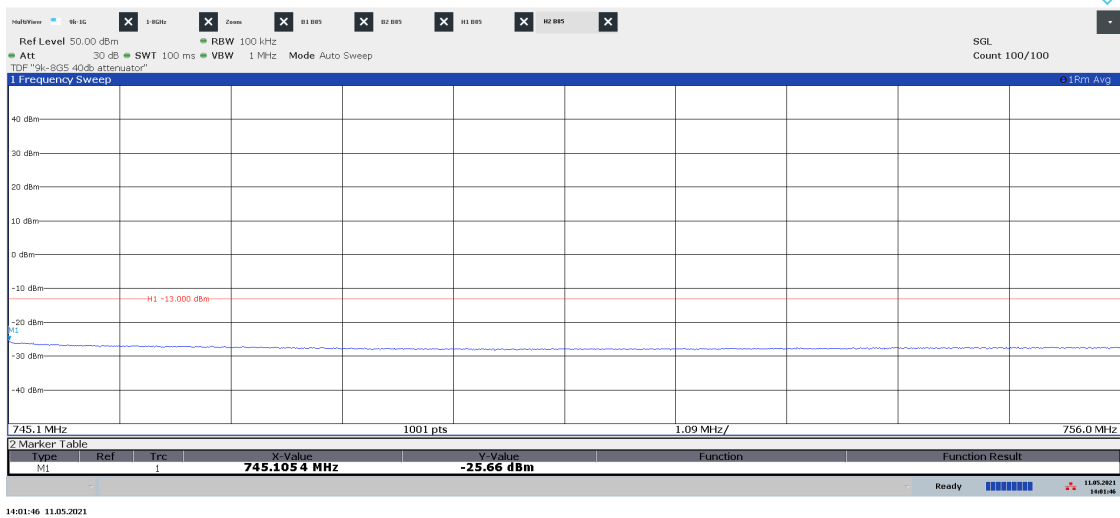


Diagram 2.46a LTE: ETM1.1, T<sub>10LTE</sub>, Port B:

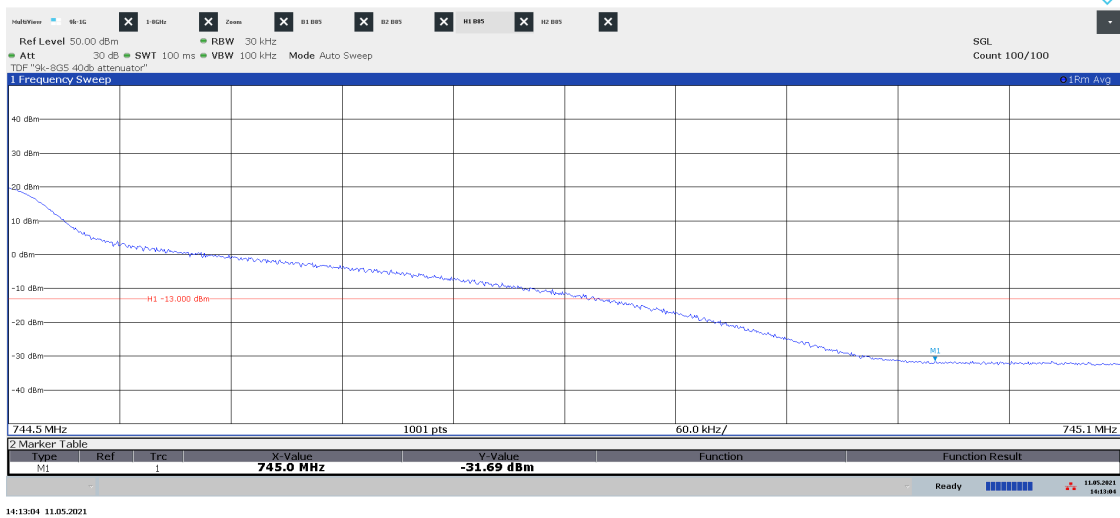


Diagram 2.46b LTE: ETM1.1, T<sub>10LTE</sub>, Port B:



Diagram 2.47a LTE: ETM1.1, Bim<sub>LTE</sub>, Port B:

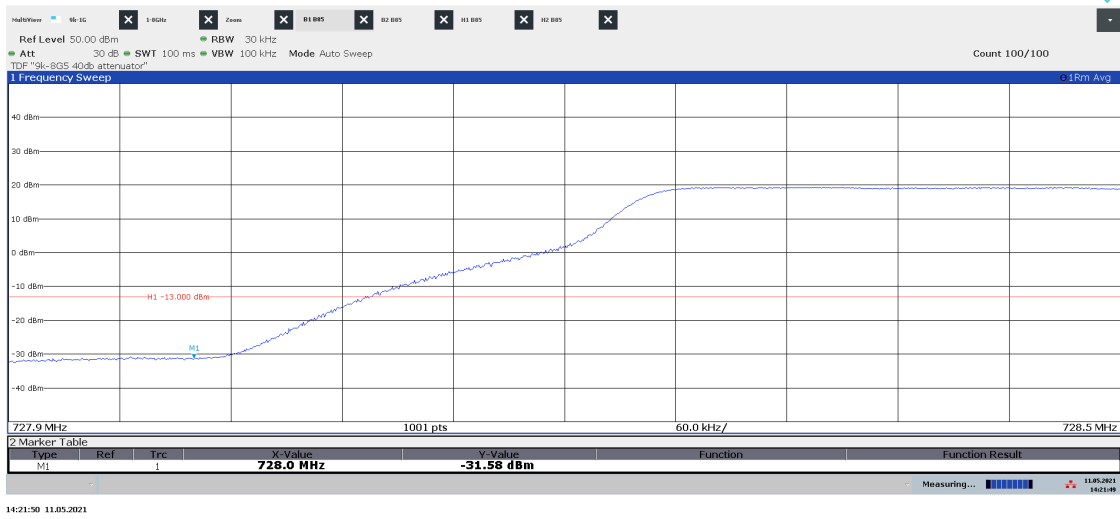


Diagram 2.47b LTE: ETM1.1, Bim<sub>LTE</sub>, Port B:



Diagram 2.48a LTE: ETM1.1, Tim<sub>LTE</sub>, Port B:

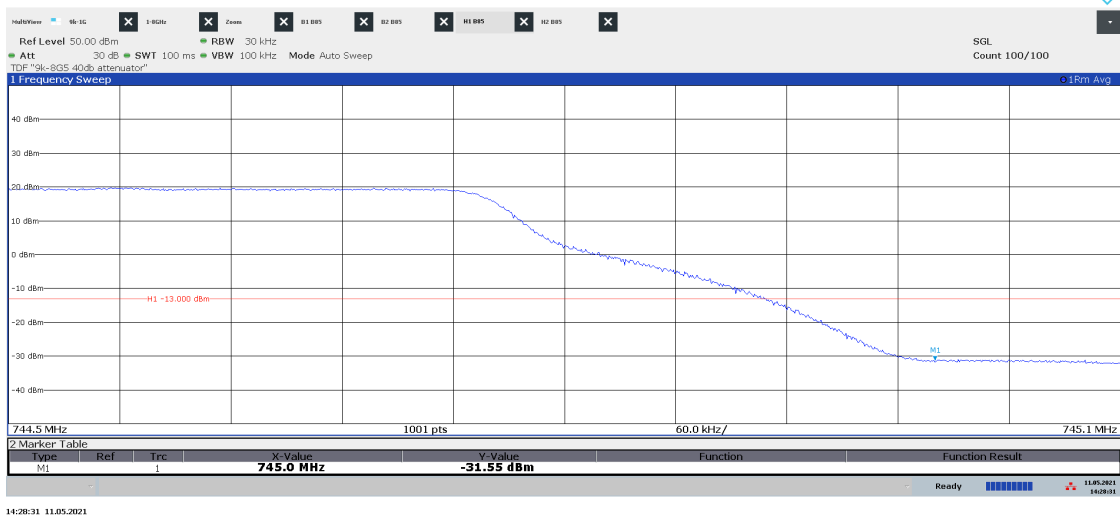


Diagram 2.48b LTE: ETM1.1, Tim<sub>LTE</sub>, Port B:

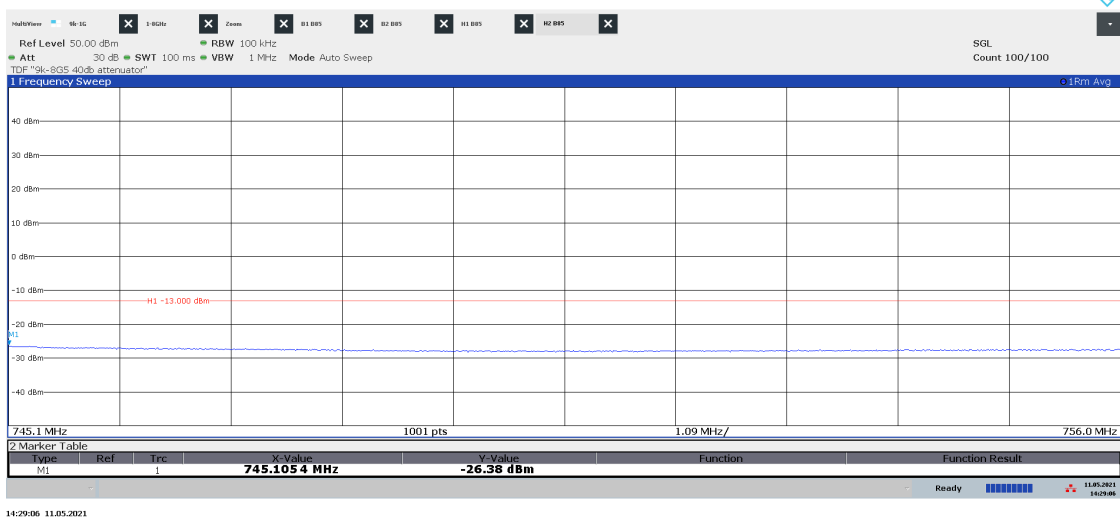


Diagram 2.49a NB IoT SA: N-TM, LTE: E-TM1.1, B<sub>IoT+L</sub>, Port B:

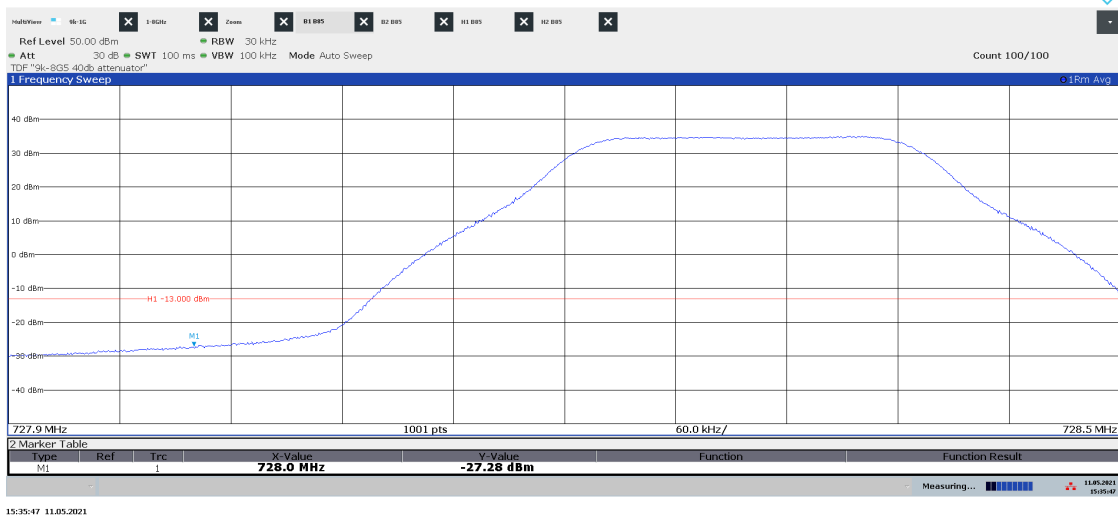


Diagram 2.49b NB IoT SA: N-TM, LTE: E-TM1.1, B<sub>IoT+L</sub>, Port B:



Diagram 2.50a NB IoT SA: N-TM, LTE: E-TM1.1, Bim<sub>2IoT+L</sub>, Port B:

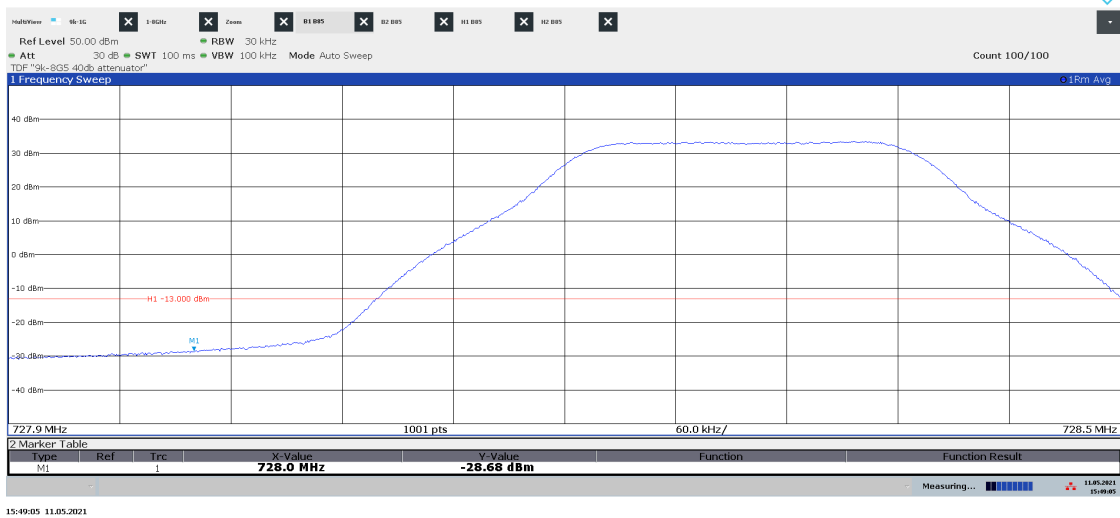


Diagram 2.50b NB IoT SA: N-TM, LTE: E-TM1.1, Bim<sub>2IoT+L</sub>, Port B:



Diagram 2.51a NB IoT SA: N-TM, LTE: E-TM1.1,  $T_{IoT+L}$ , Port B:

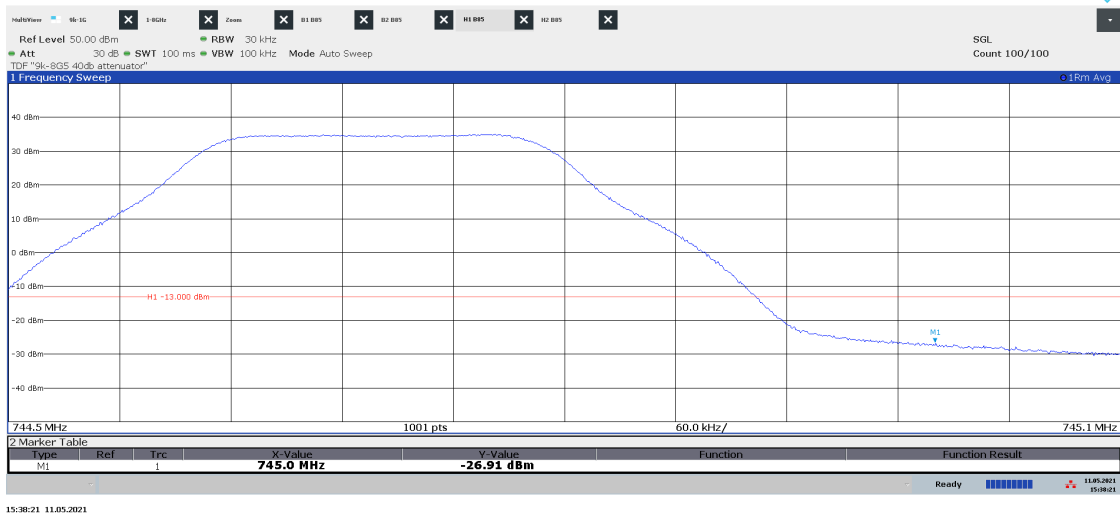


Diagram 2.51b NB IoT SA: N-TM, LTE: E-TM1.1,  $T_{IoT+L}$ , Port B:



Diagram 2.52a NB IoT SA: N-TM, LTE: E-TM1.1, Tim<sub>2IoT+L</sub>, Port B:

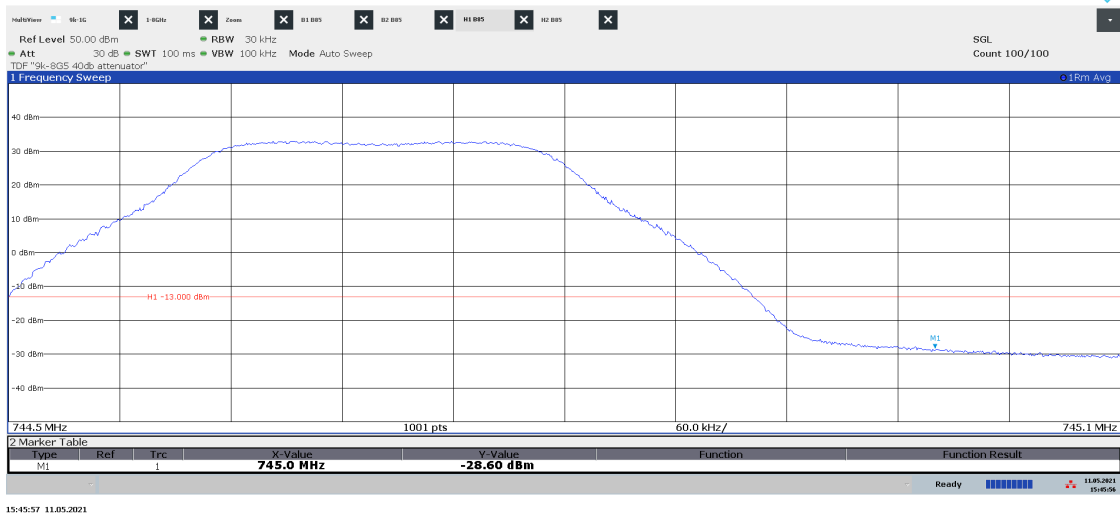


Diagram 2.52b NB IoT SA: N-TM, LTE: E-TM1.1, Tim<sub>2IoT+L</sub>, Port B:

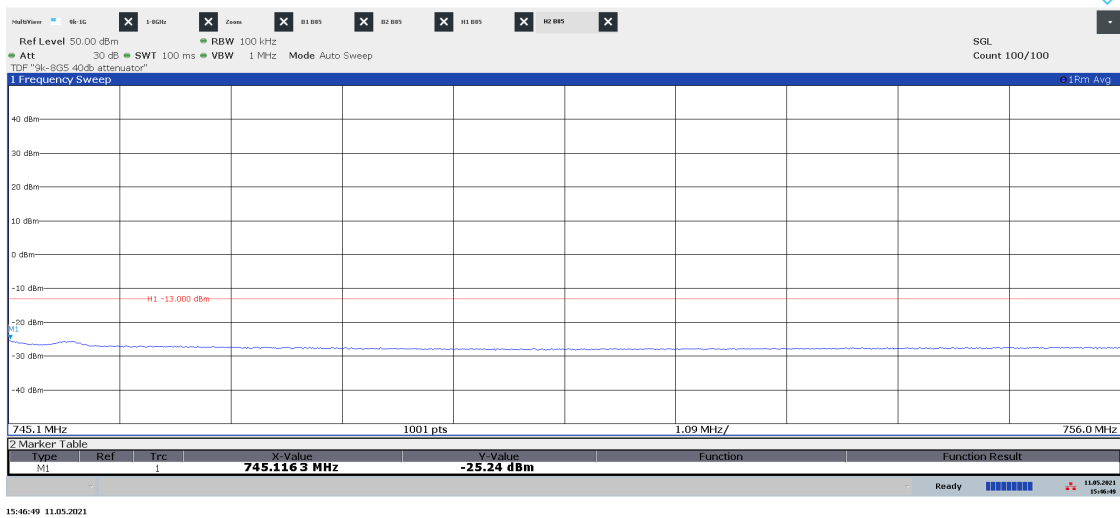




Diagram 2.53a NB IoT SA: N-TM, LTE: E-TM3.1, B10<sub>Guard</sub>, Port B:

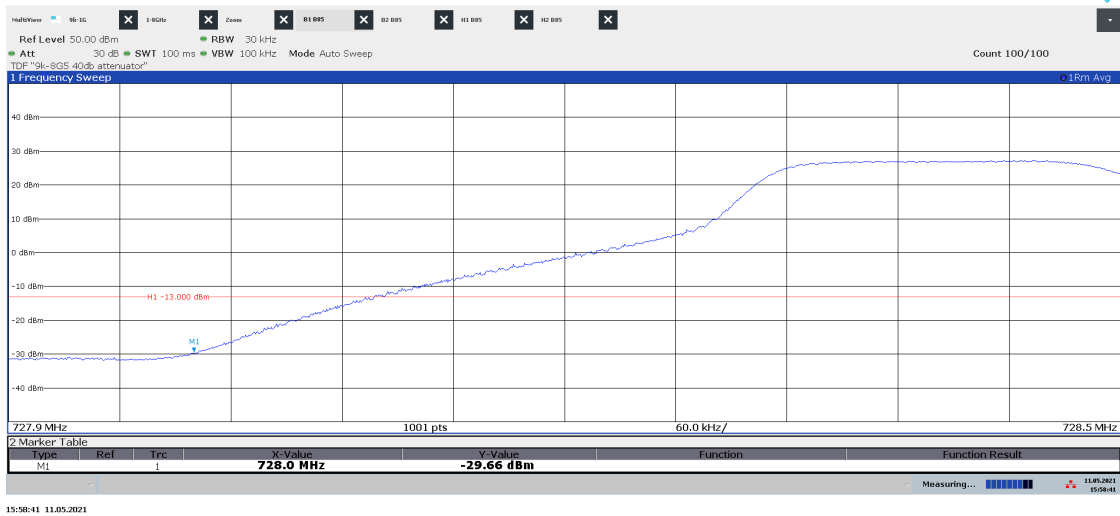


Diagram 2.53b NB IoT SA: N-TM, LTE: E-TM3.1, B10<sub>Guard</sub>, Port B:

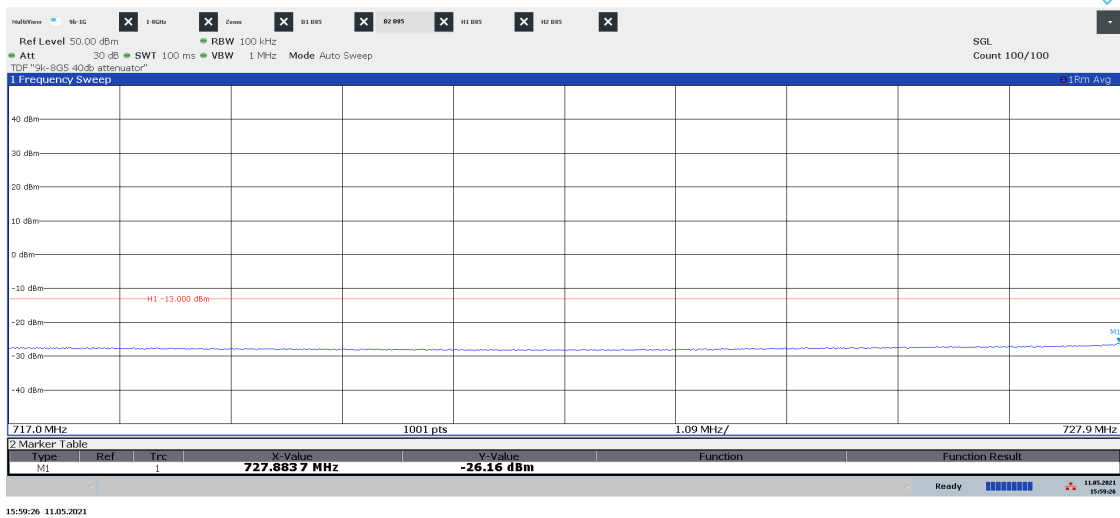


Diagram 2.54a NB IoT SA: N-TM, LTE: E-TM3.1, T10<sub>Guard</sub>, Port B:

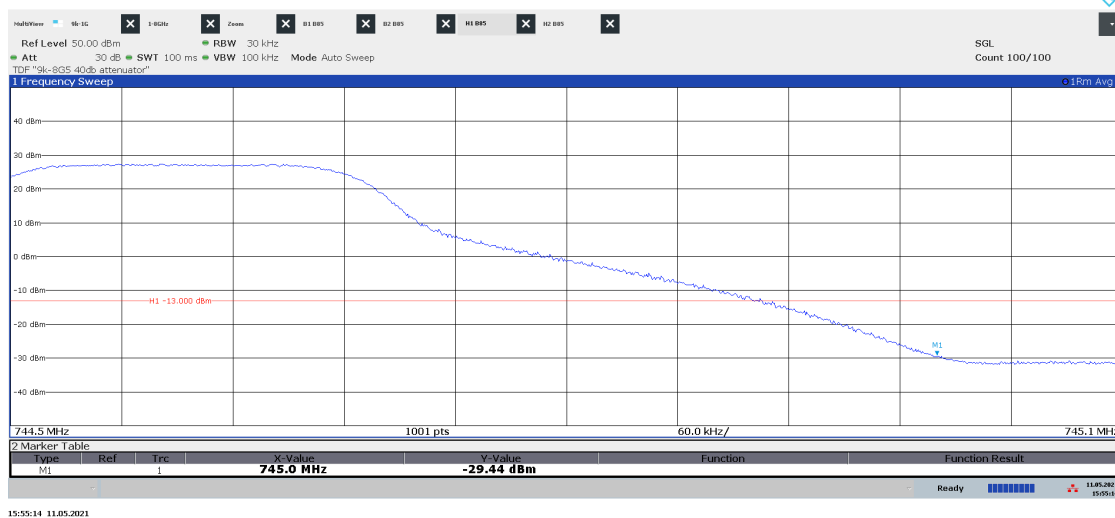
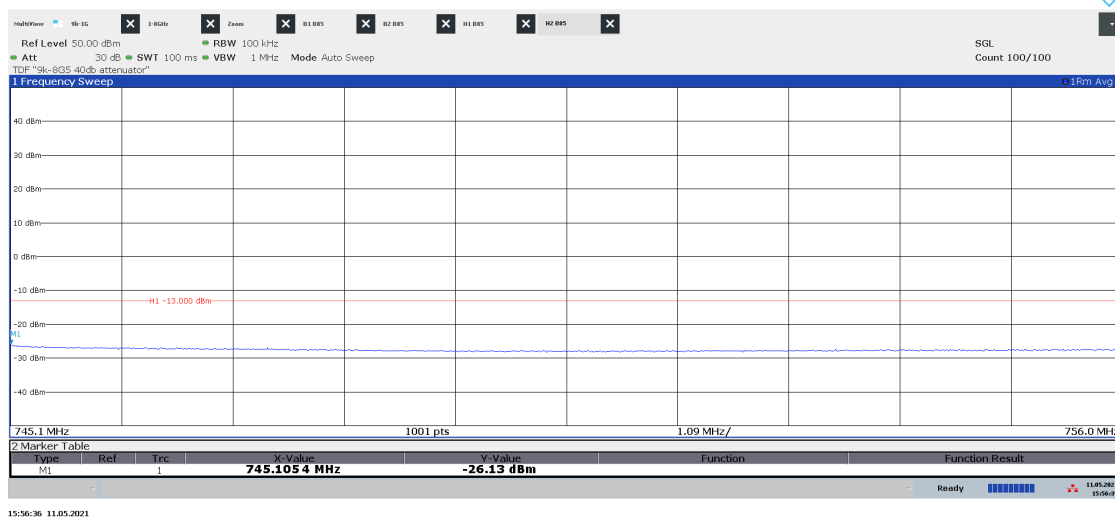


Diagram 2.54b NB IoT SA: N-TM, LTE: E-TM3.1, T10<sub>Guard</sub>, Port B:



## Conducted spurious emission measurements according to CFR 47 §27.53/ RSS-130 4.7.1

Date	Temperature	Humidity
2021-05-12	23 °C ± 3 °C	18 % ± 5 %
2021-05-18	23 °C ± 3 °C	20 % ± 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<sub>10</sub> (4)] to cover 4x4 MIMO, should be added according to ANSI C63.26 6.4.4.1 c “measure and add 10 log<sub>10</sub> (N<sub>ANT</sub>)”.

Measurement equipment	RISE number
R&S FSW 43	902 073
RF attenuator	902 282
High pass filter 1-20 GHz	901 373
Coaxial cable Sucoflex 102EA	BX50236
Coaxial cable Sucoflex 102EA	BX50237
Testo 635, temperature and humidity meter	504 203

Measurement uncertainty: 2.6 dB

For all measurements the radio was configured with the max output power per port. For measurements noted with B71 the Carrier(s) were configured with the maximum possible output power for the Carrier(s) in that band. The carrier in B85A was a 5 MHz LTE carrier on 736.5 MHz configured with the maximum output power of 40 Watts in that Band. Diagram 3.1 – 3.38

For measurements noted with B85A in, the Carrier(s) were configured with the maximum possible output power for the Carrier(s) in that band. The carrier in B71 was a 10 MHz LTE carrier on 634.5 MHz configured with the maximum output power of 60 Watts in that Band. Diagram 3.39 – 3.57

## Results NR B71

Single carrier NR: RF1-TM1.1

Diagram	Symbolic name	Tested Port
3.1 a-b	$B_{5NR}$	RF B
3.2 a-b	$M_{5NR}$	RF A
3.3 a-b	$M_{5NR}$	RF B
3.4 a-b	$M_{5NR}$	RF C
3.5 a-b	$M_{5NR}$	RF D
3.6 a-b	$M_{10NR}$	RF B
3.7 a-b	$M_{15NR}$	RF B
3.8 a-b	$M_{20NR}$	RF B
3.9 a-b	$T_{5NR}$	RF B

Multi carrier NR: RF1-TM1.1

Diagram	Symbolic name	Tested Port
3.10 a-c	$B_{imNR}$	RF B
3.11 a-c	$T_{imNR}$	RF B
3.12 a-c	$M_{6NR}$	RF B

## Results LTE B71

Single carrier E-TM1.1

Diagram	Symbolic name	Tested Port
3.13 a-b	$B_{5LTE}$	RF B
3.14 a-b	$B_{20LTE}$	RF B
3.15 a-b	$M_{5LTE}$	RF B
3.16 a-b	$M_{10LTE}$	RF A
3.17 a-b	$M_{10LTE}$	RF B
3.18 a-b	$M_{10LTE}$	RF C
3.19 a-b	$M_{10LTE}$	RF D
3.20 a-b	$M_{15LTE}$	RF B
3.21 a-b	$M_{20LTE}$	RF B
3.22 a-b	$T_{5LTE}$	RF B
3.23 a-b	$T_{20LTE}$	RF B

Multi carrier E-TM1.1

Diagram	Symbolic name	Tested Port
3.24 a-c	$B_{imLTE}$	RF B
3.25 a-c	$T_{imLTE}$	RF B
3.26 a-c	$M_{6LTE}$	RF B

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

**Results NB IoT SA/ GB/ IB B71**

Multi RAT: NB IoT SA/GB/IB: N-TM, LTE: E-TM3.1

Diagram	Symbolic name	Tested Port
3.27 a-c	$B_{IoT+L}$	RF B
3.28 a-c	$B_{IBIoT+L}$	RF B
3.29 a-c	$M_{IoT+L}$	RF B
3.30 a-c	$M_{IBIoT+L}$	RF B
3.31 a-c	$T_{IoT+L}$	RF B
3.32 a-c	$T_{IBIoT+L}$	RF B
3.33 a-c	$T_{10Guard}$	RF B
3.34 a-c	$T_{15Guard}$	RF B
3.35 a-c	$T_{20Guard}$	RF B
3.36 a-c	$B_{im2IoT+L}$	RF B
3.37 a-c	$T_{im2IoT+L}$	RF B

**Results NR + LTE + NB IoT SA B71**

Multi RAT: NB IoT SA: N-TM, LTE: E-TM1.1, NR: FR1-TM1.1

Diagram	Symbolic name	Tested Port
3.38 a-c	$MaX_{IoT+L+NR}$	RF B

### Results LTE B85A

Single carrier E-TM1.1

Diagram	Symbolic name	Tested Port
3.39 a-b	B <sub>5LTE</sub>	RF B
3.40 a-b	M <sub>5LTE</sub>	RF B
3.41 a-b	M <sub>10LTE</sub>	RF A
3.42 a-b	M <sub>10LTE</sub>	RF B
3.43 a-b	M <sub>10LTE</sub>	RF C
3.44 a-b	M <sub>10LTE</sub>	RF D
3.45 a-b	T <sub>5LTE</sub>	RF B

Multi carrier E-TM1.1

Diagram	Symbolic name	Tested Port
3.46 a-c	B <sub>imLTE</sub>	RF B
3.47 a-c	T <sub>imLTE</sub>	RF B

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

### Results NB IoT SA/ GB/ IB B85A

Multi RAT: NB IoT SA/GB/IB: N-TM, LTE: E-TM3.1

Diagram	Symbolic name	Tested Port
3.48 a-c	B <sub>IoT+L</sub>	RF B
3.49 a-c	B <sub>IBIoT+L</sub>	RF B
3.50 a-c	M <sub>IoT+L</sub>	RF B
3.51 a-c	M <sub>IBIoT+L</sub>	RF B
3.52 a-c	T <sub>IoT+L</sub>	RF B
3.53 a-c	T <sub>IBIoT+L</sub>	RF B
3.54 a-c	T <sub>10Guard</sub>	RF B
3.55 a-c	B <sub>im2IoT+LTE</sub>	RF B
3.56 a-c	T <sub>im2IoT+LTE</sub>	RF B
3.57 a-c	M <sub>2IoT+3LTE</sub>	RF B

### 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 752 MHz. The measurements were made up to 8 GHz (10x752 MHz = 7.52 GHz).

## Limits

CFR 47 §27.53 (g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least  $43 + 10 \log(P)$  dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

RSS-130 4.7.1

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least  $43 + 10 \log_{10} p$  (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

Complies?	Yes
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Diagram 3.1a NR: RF1-TM1.1, B<sub>5NR</sub>, 9 kHz – 1 GHz, Port B:

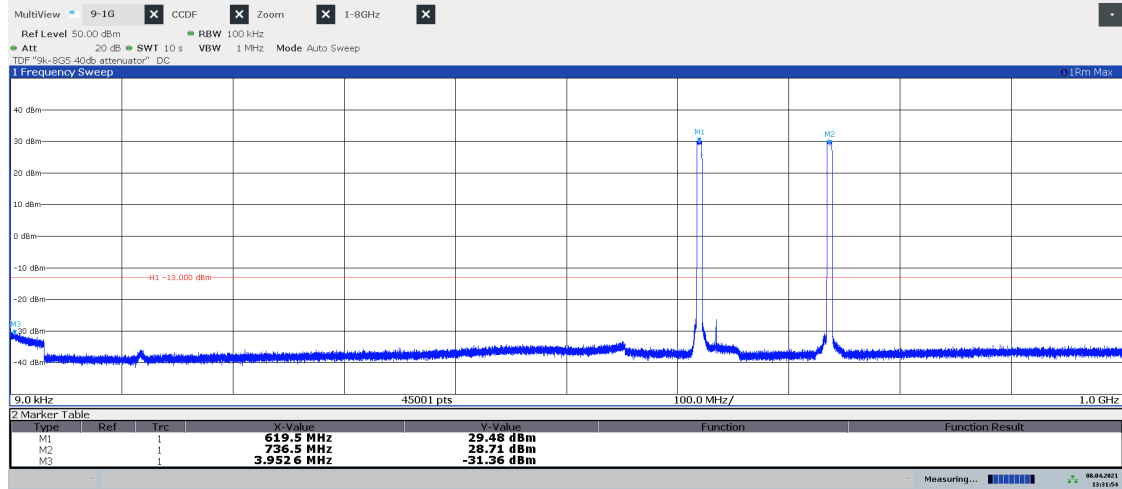


Diagram 3.1b NR: RF1-TM1.1, B<sub>5NR</sub>, 1 – 8 GHz, Port B:

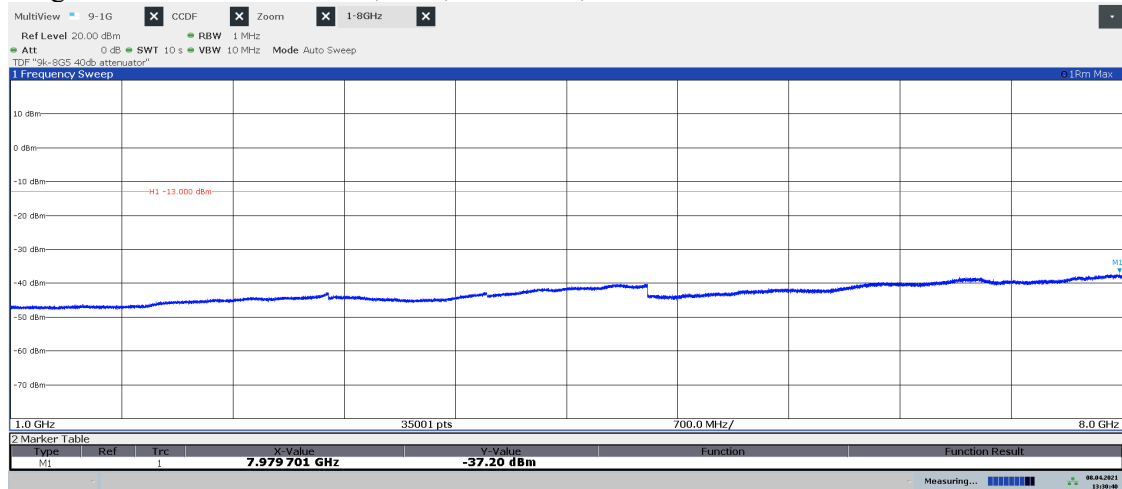




Diagram 3.2a NR: RF1-TM1.1, M<sub>5NR</sub>, 9 kHz – 1 GHz, Port A:

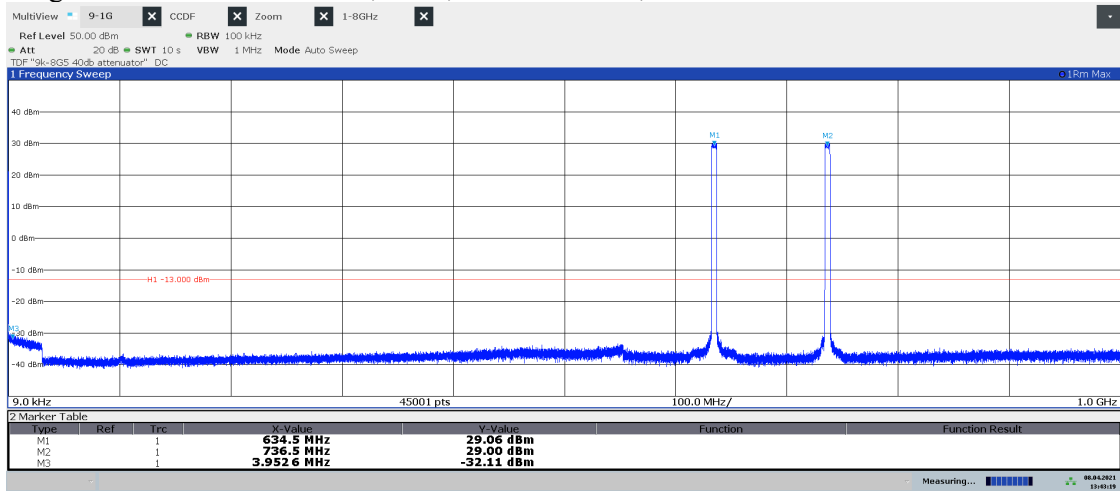


Diagram 3.2b NR: RF1-TM1.1, M<sub>5NR</sub>, 1 – 8 GHz, Port A:

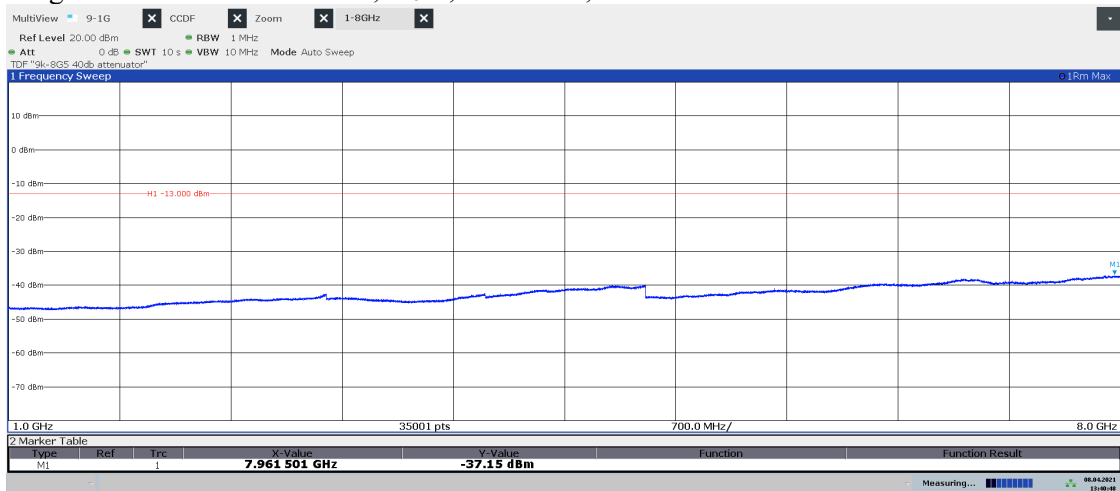
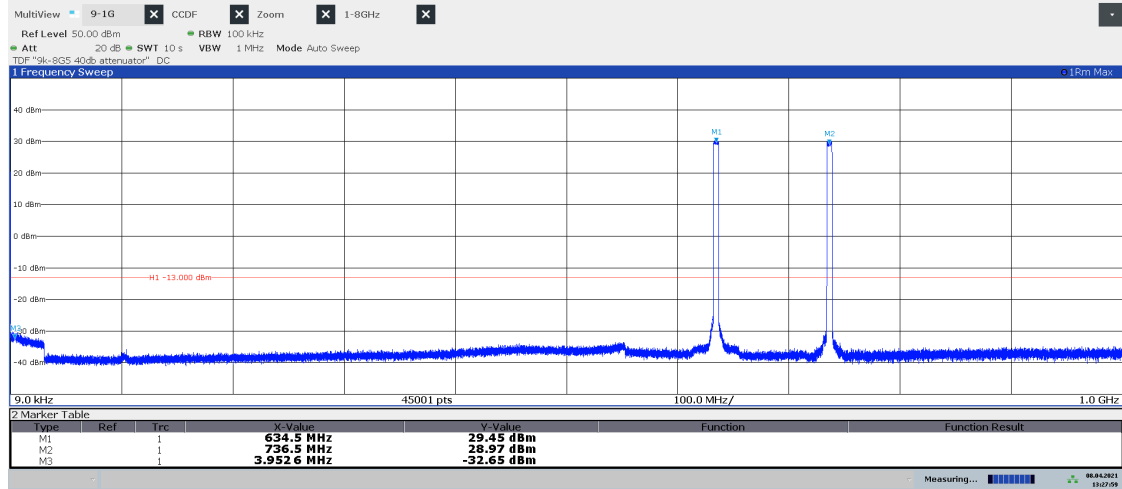
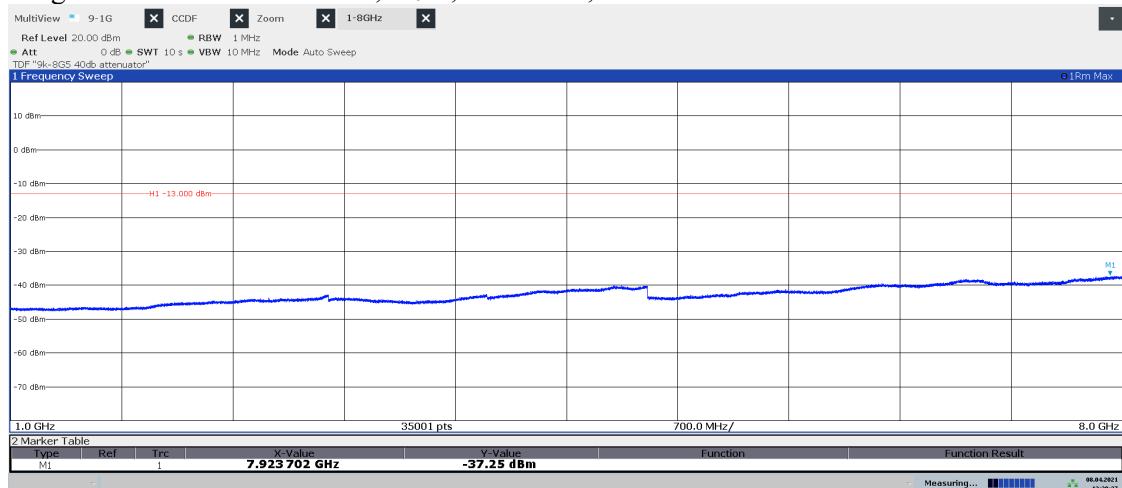


Diagram 3.3a, NR: FR1-TM1.1, M<sub>5NR</sub>, 9 kHz – 1 GHz, Port B:



13:28:00 08.04.2021

Diagram 3.3b NR: FR1-TM1.1, M<sub>5NR</sub>, 1 – 8 GHz, Port B:



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Diagram 3.4a NR: FR1-TM1.1, M<sub>5NR</sub>, 9 kHz – 1 GHz, Port C:

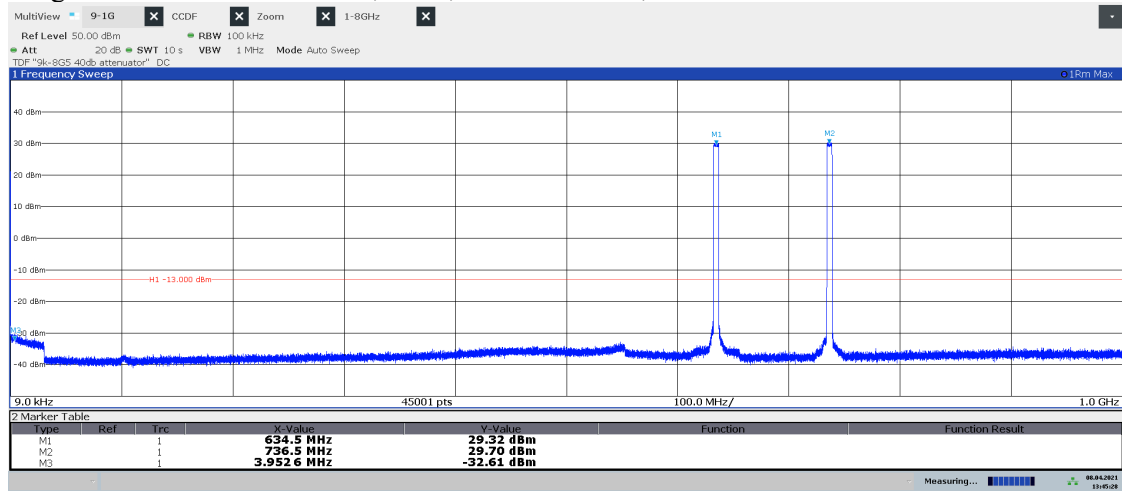


Diagram 3.4b NR: FR1-TM1.1, M<sub>5NR</sub>, 1 – 8 GHz, Port C:

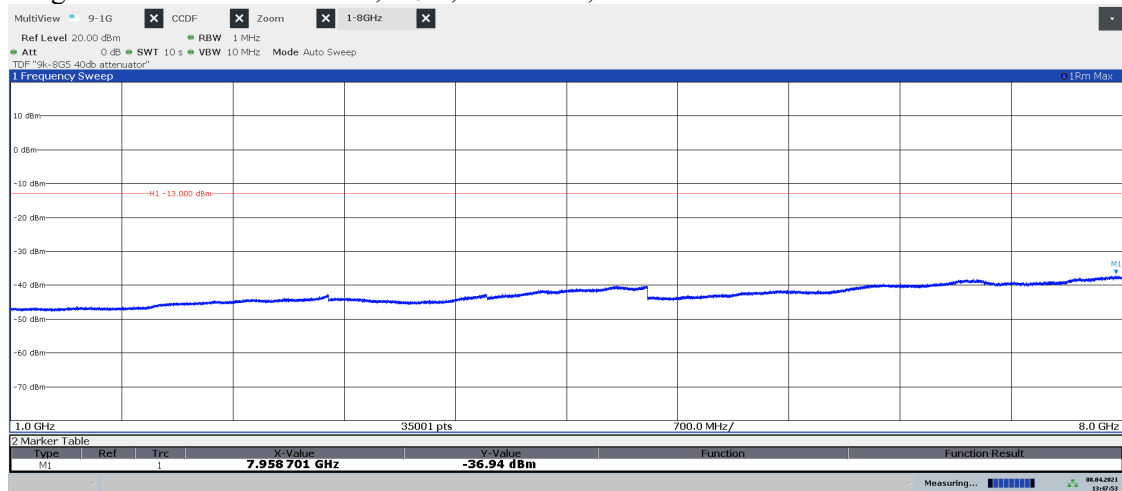


Diagram 3.5a NR: FR1-TM1.1, M<sub>5NR</sub>, 9 kHz – 1 GHz, Port D:

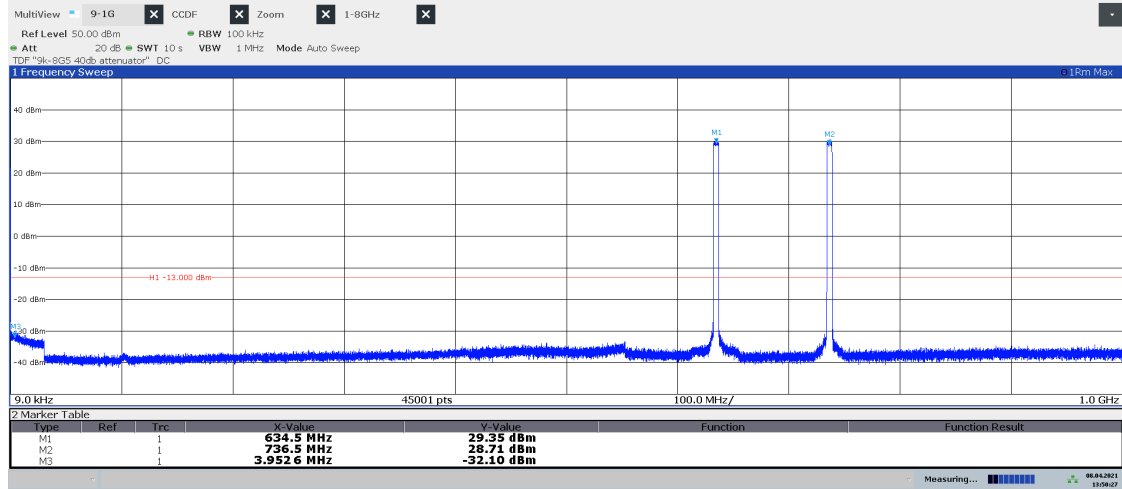


Diagram 3.5b NR: FR1-TM1.1, M<sub>5NR</sub>, 1 – 8 GHz, Port D:

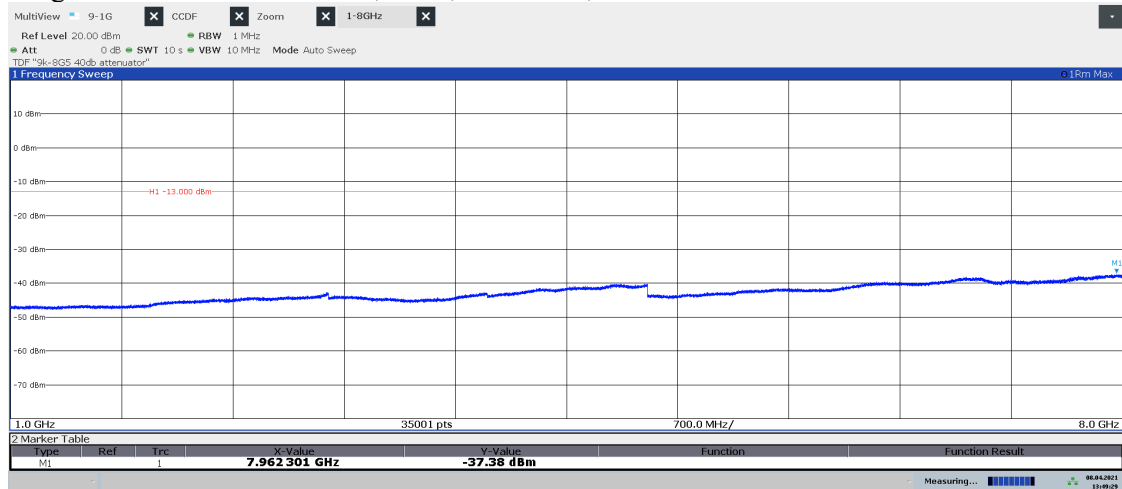


Diagram 3.6a NR: FR1-TM1.1, M<sub>10NR</sub>, 9 kHz – 1 GHz, Port B:

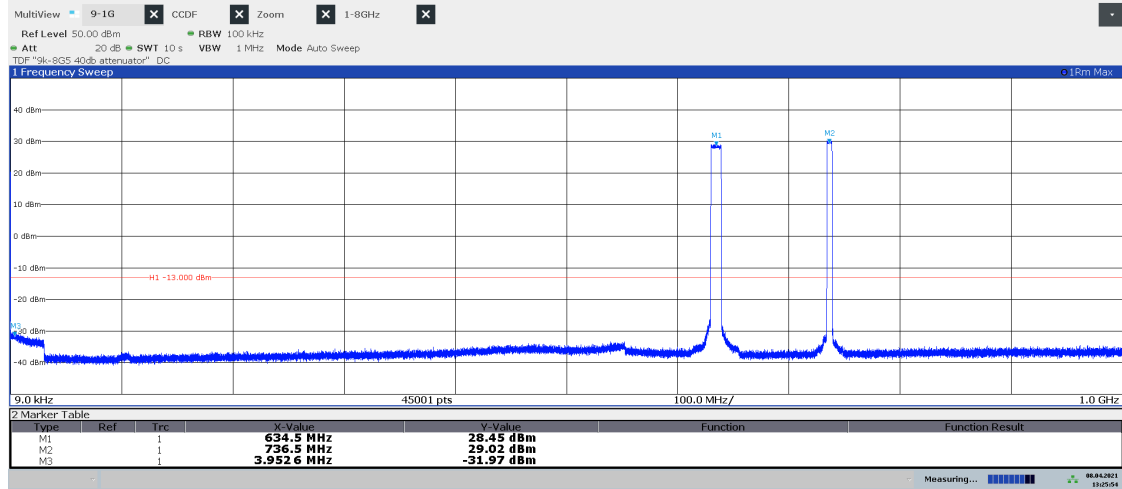


Diagram 3.6b NR: FR1-TM1.1, M<sub>10NR</sub>, 1 – 8 GHz, Port B:

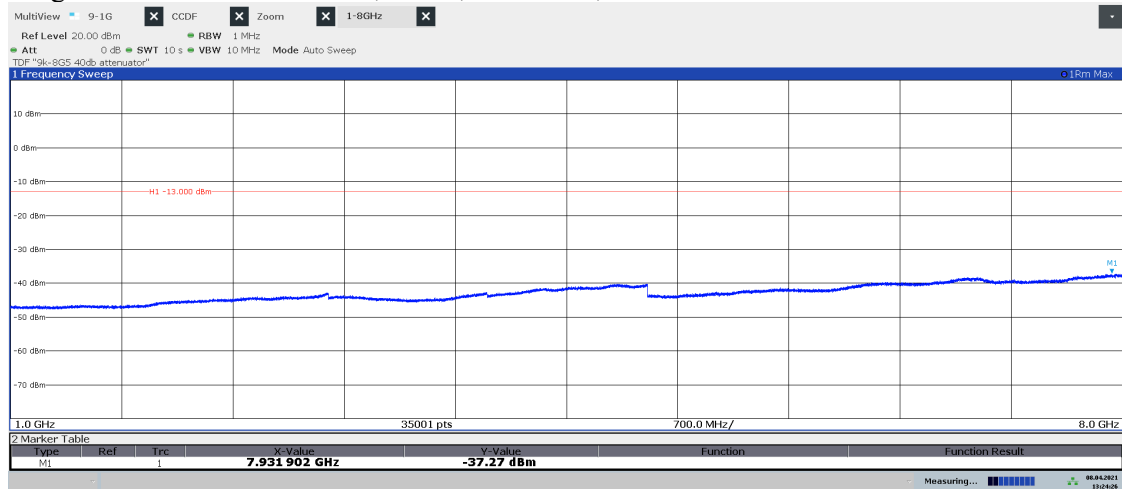


Diagram 3.7a NR: FR1-TM1.1, M<sub>15NR</sub>, 9 kHz – 1 GHz, Port B:

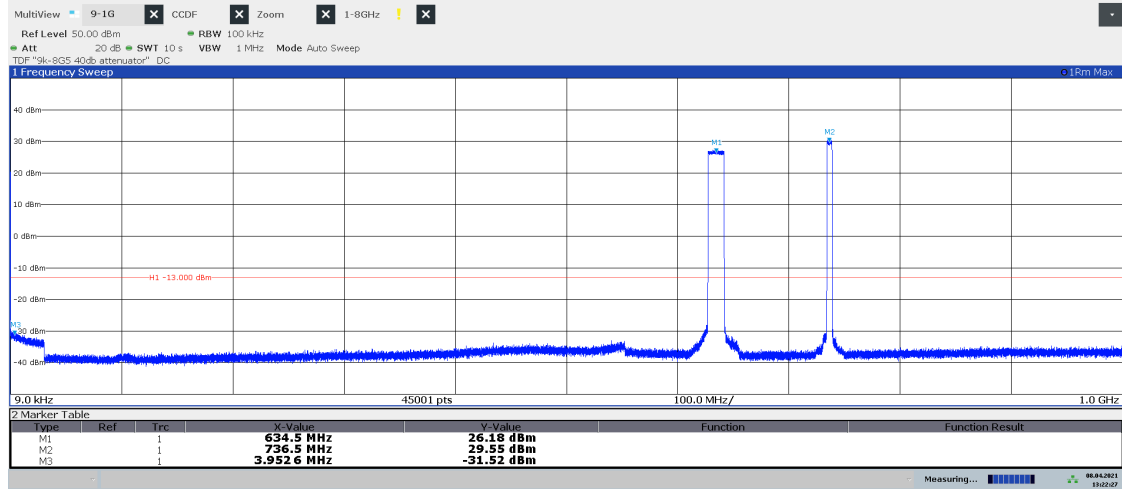


Diagram 3.7b NR: FR1-TM1.1, M<sub>15NR</sub>, 1 – 8 GHz, Port B:

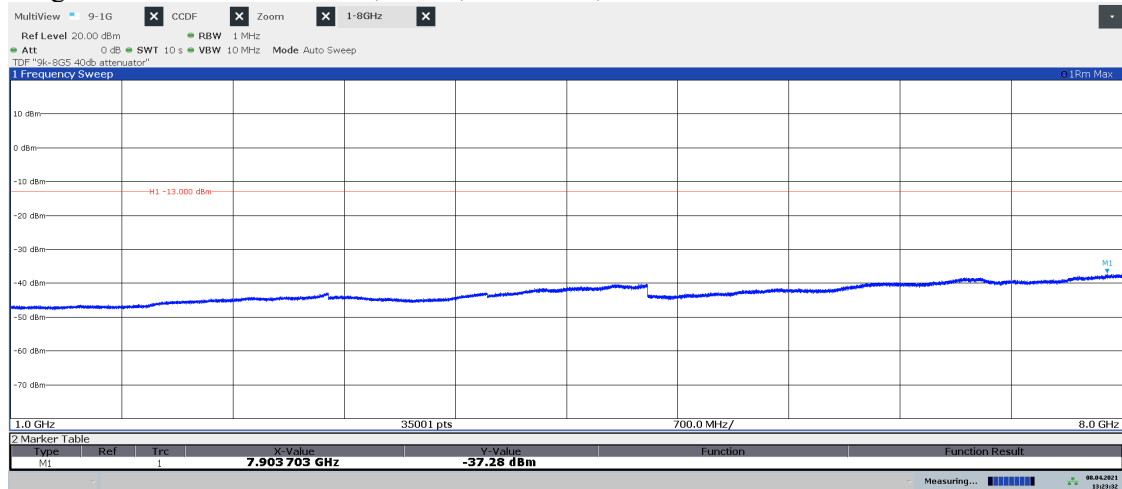


Diagram 3.8a NR: FR1-TM1.1, M<sub>20NR</sub>, 9 kHz – 1 GHz, Port B:

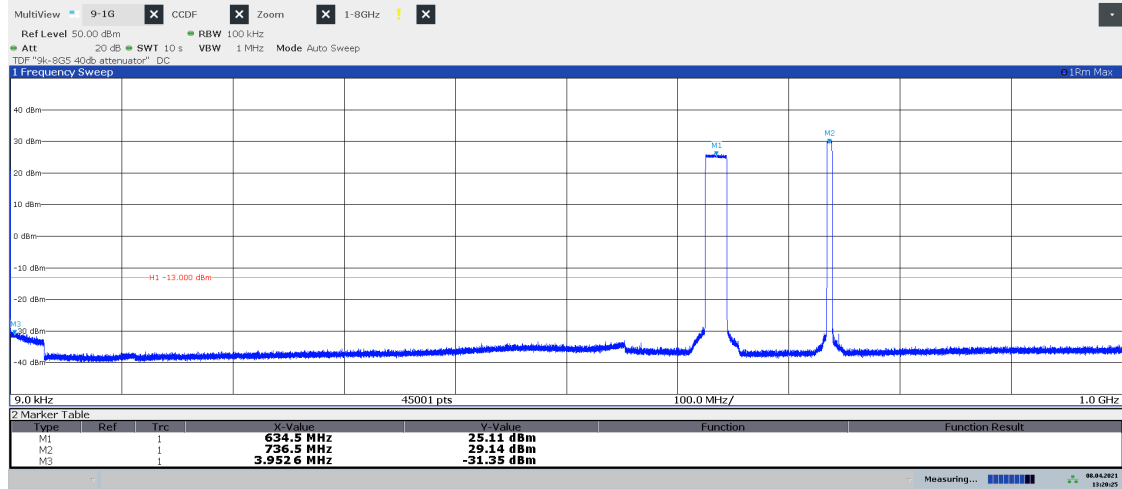


Diagram 3.8b NR: FR1-TM1.1, M<sub>20NR</sub>, 1 – 8 GHz, Port B:

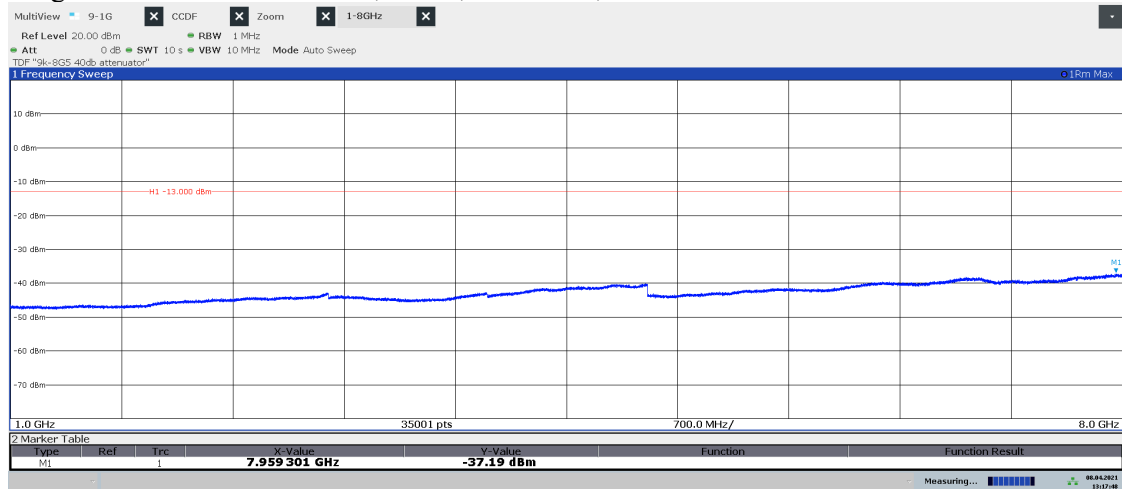


Diagram 3.9a NR: FR1-TM1.1, T<sub>5NR</sub>, 9 kHz – 1 GHz, Port B:

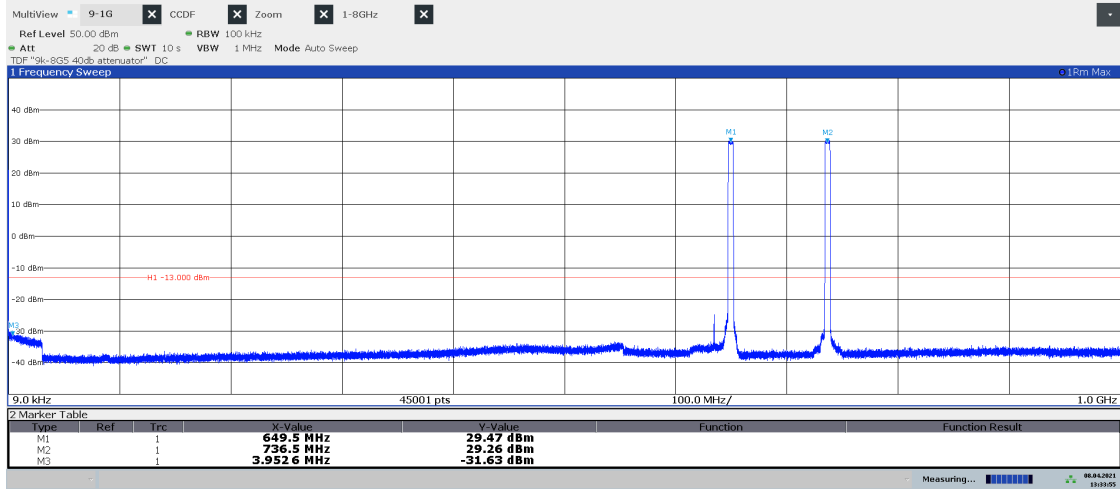


Diagram 3.9b NR: FR1-TM1.1, T<sub>5NR</sub>, 1 – 8 GHz, Port B:

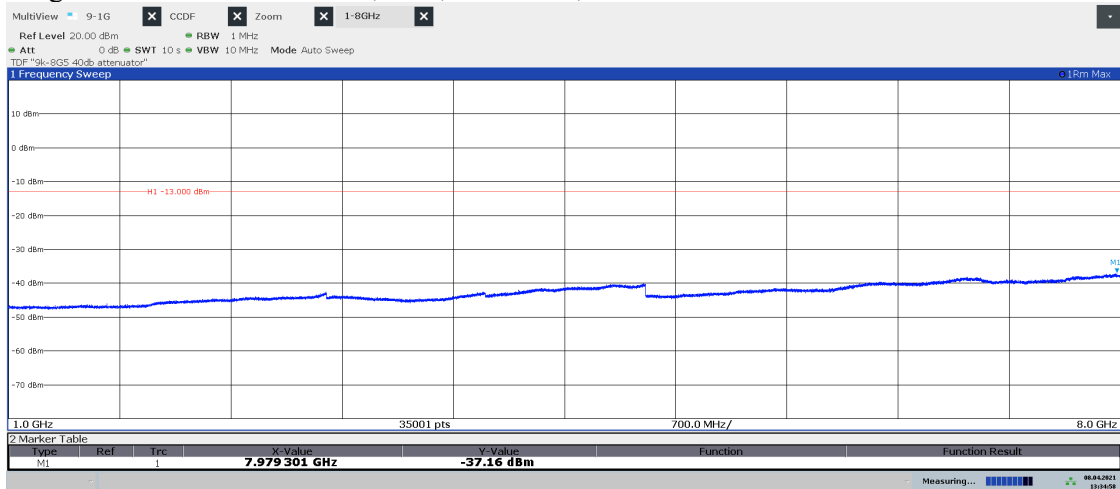
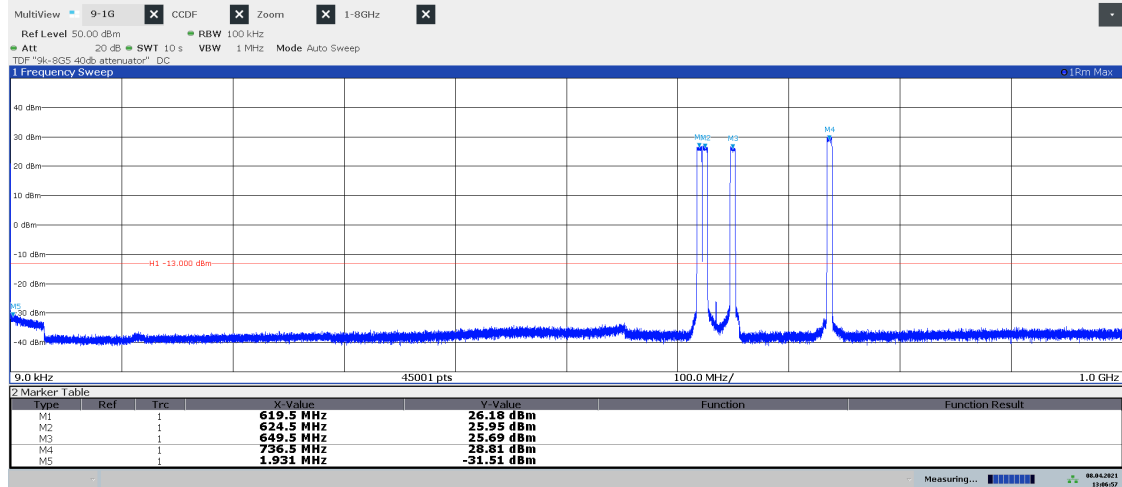


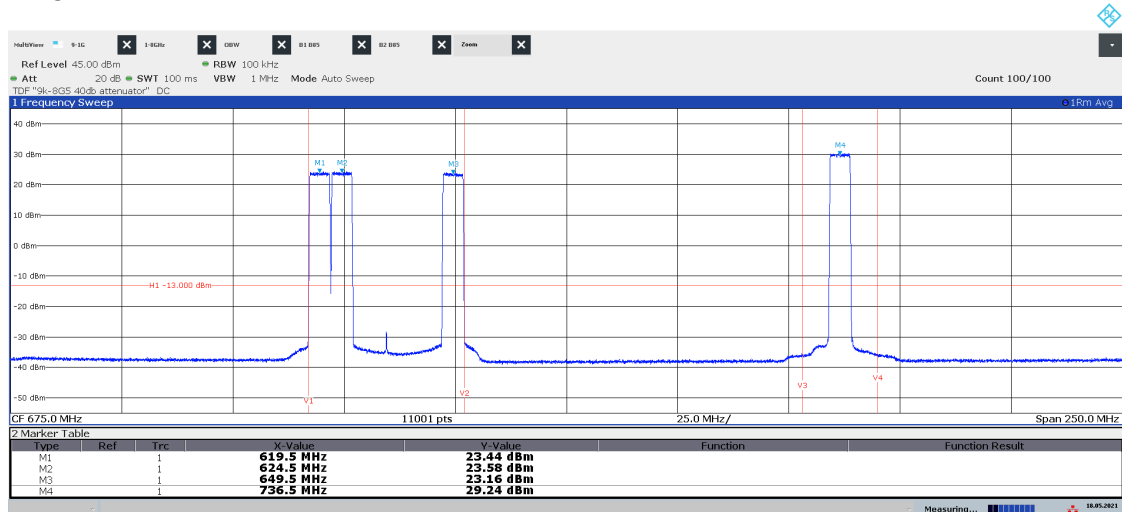


Diagram 3.10a NR: FR1-TM1.1, Bim<sub>NR</sub>, 9 kHz – 1 GHz, Port B:



13:06:57 08.04.2021

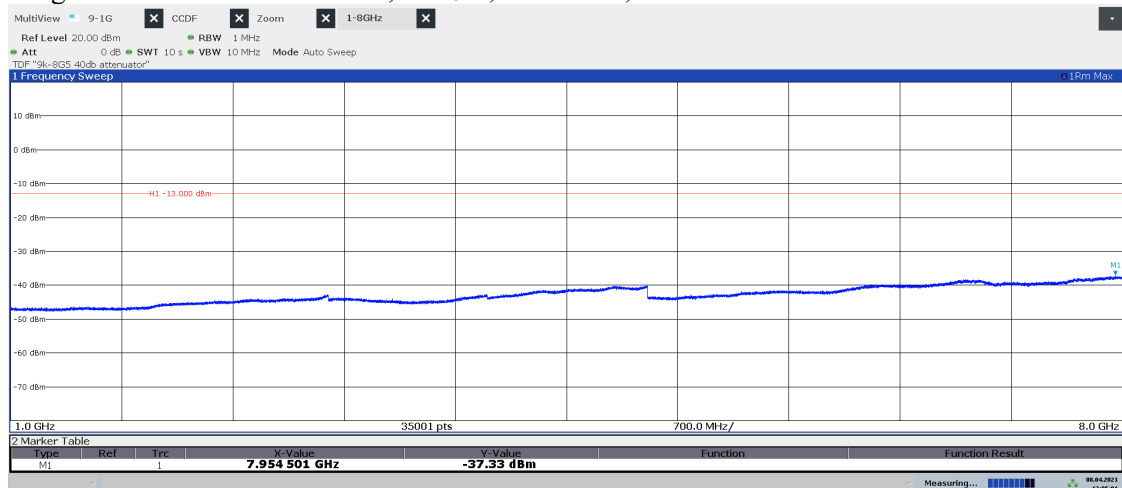
Diagram 3.10b NR: FR1-TM1.1, Bim<sub>5NR</sub>, 550 – 800 MHz, Port B:



13:37:01 18.05.2021

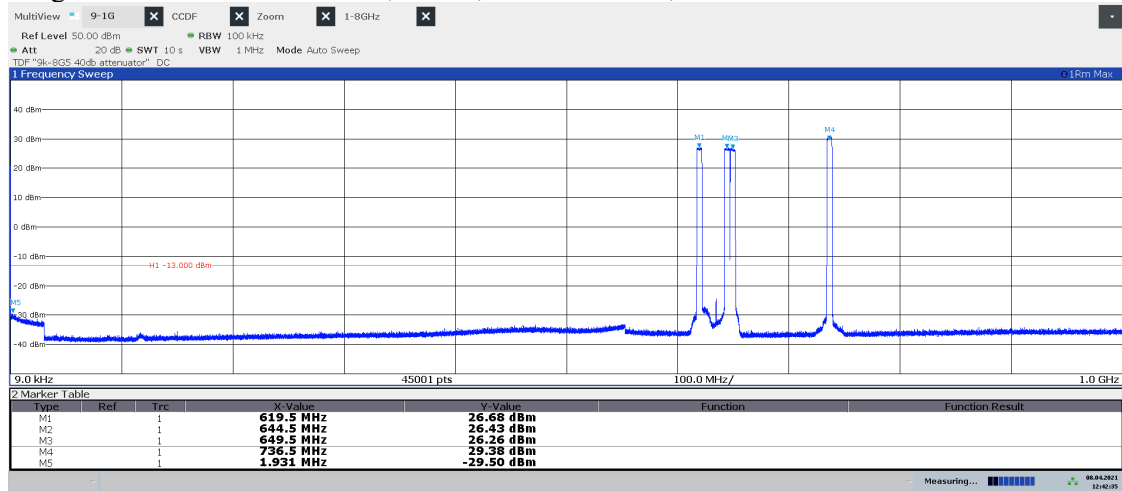
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.10c NR: FR1-TM1.1, Bim<sub>5NR</sub>, 1 – 8 GHz, Port B:



13:05:02 08.04.2021

Diagram 3.11a NR: FR1-TM1.1, Tim<sub>NR</sub>, 9 kHz – 1 GHz, Port B:



12:42:36 08.04.2021

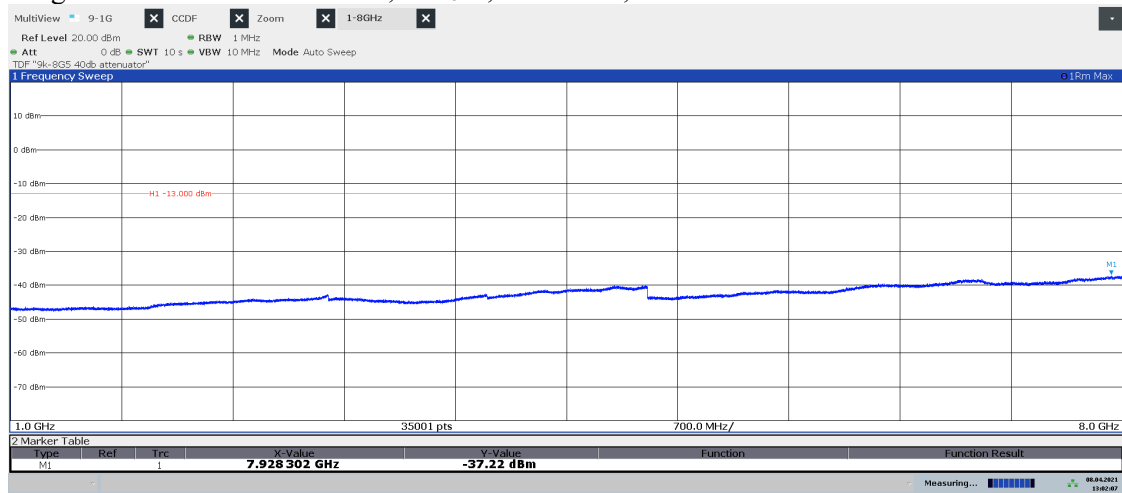
Diagram 3.11b NR: FR1-TM1.1, Tim<sub>5NR</sub>, 550 – 800 MHz, Port B:



13:39:18 18.05.2021

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

Diagram 3.11c NR: FR1-TM1.1, Tim<sub>5NR</sub>, 1 – 8 GHz, Port B:



13:02:08 08.04.2021

Diagram 3.12a NR: FR1-TM1.1, M6<sub>NR</sub>, 9 kHz – 1 GHz, Port B:

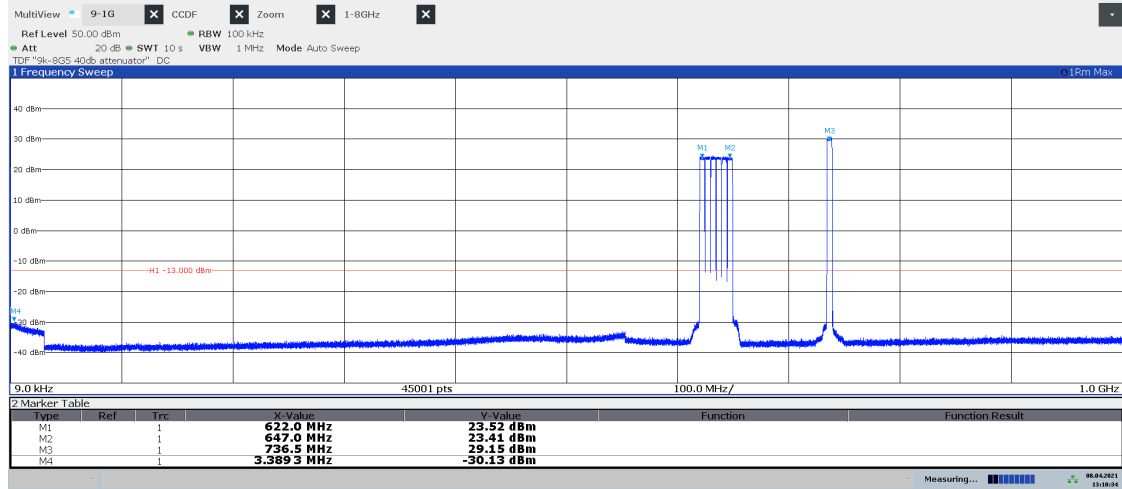
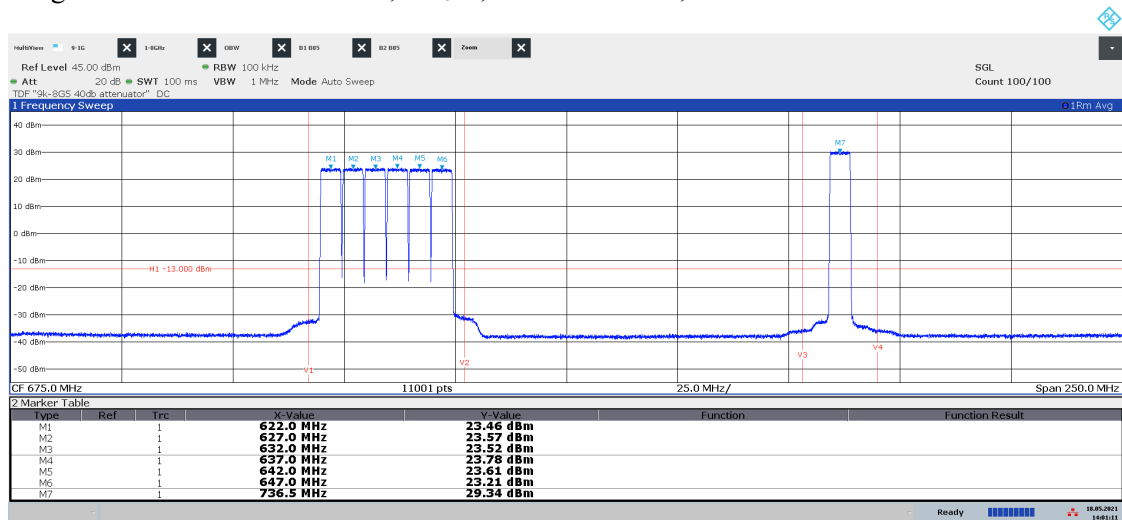


Diagram 3.12b NR: FR1-TM1.1, M6<sub>5NR</sub>, 550 – 800 MHz, Port B:



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

Diagram 3.12c NR: FR1-TM1.1, M6<sub>5NR</sub>, 1 – 8 GHz, Port B:

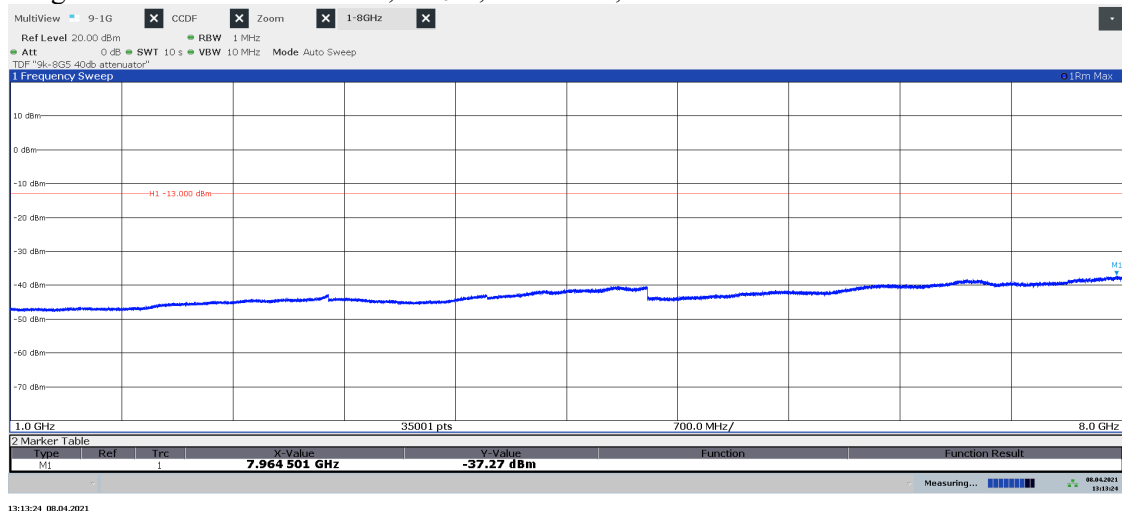


Diagram 3.13a LTE: E-TM1.1, B<sub>SLTE</sub>, 9 kHz – 1 GHz, Port B:

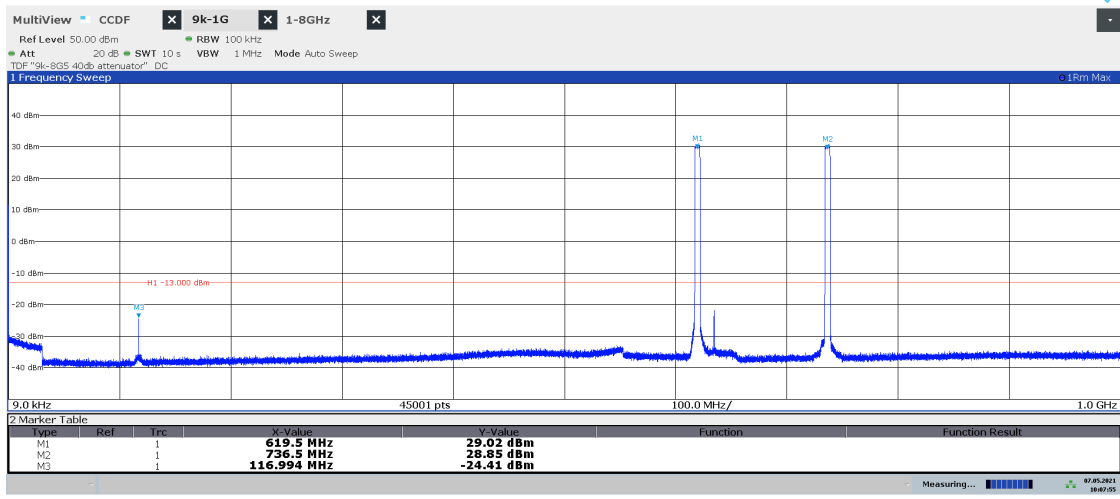


Diagram 3.13b LTE: E-TM1.1, B<sub>SLTE</sub>, 1 – 8 GHz, Port B:

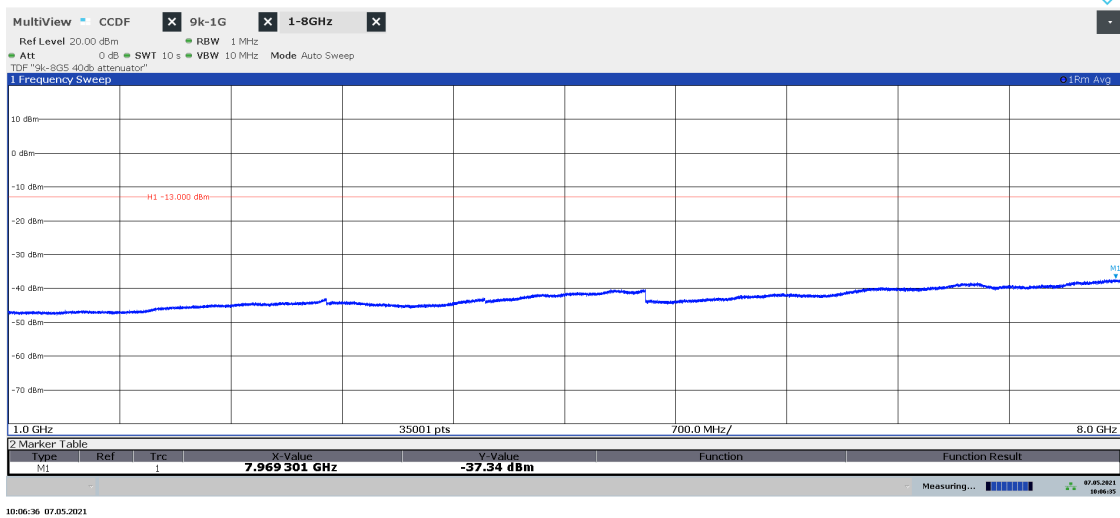


Diagram 3.14a LTE: E-TM1.1, B<sub>20LTE</sub>, 9 kHz – 1 GHz, Port B:

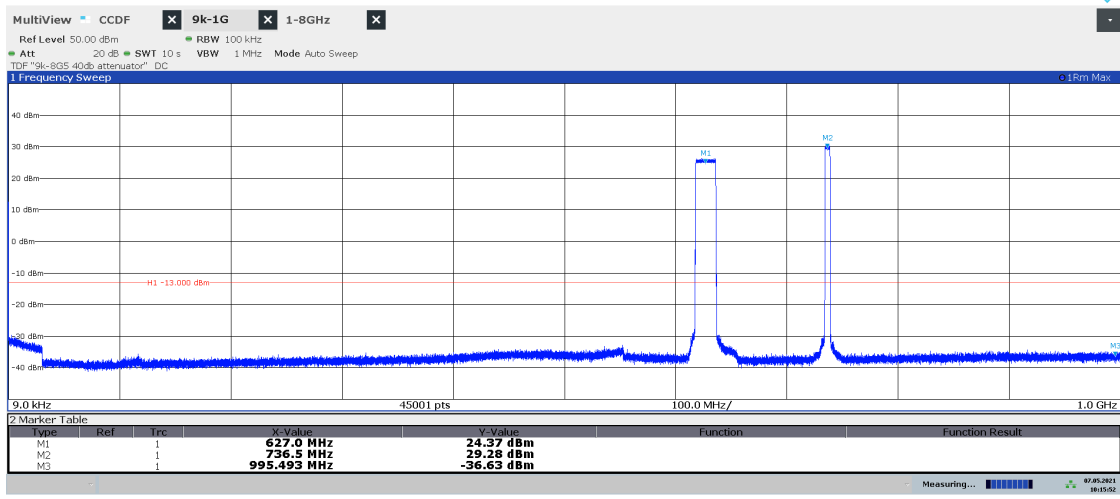


Diagram 3.14b LTE: E-TM1.1, B<sub>20LTE</sub>, 1 – 8 GHz, Port B:

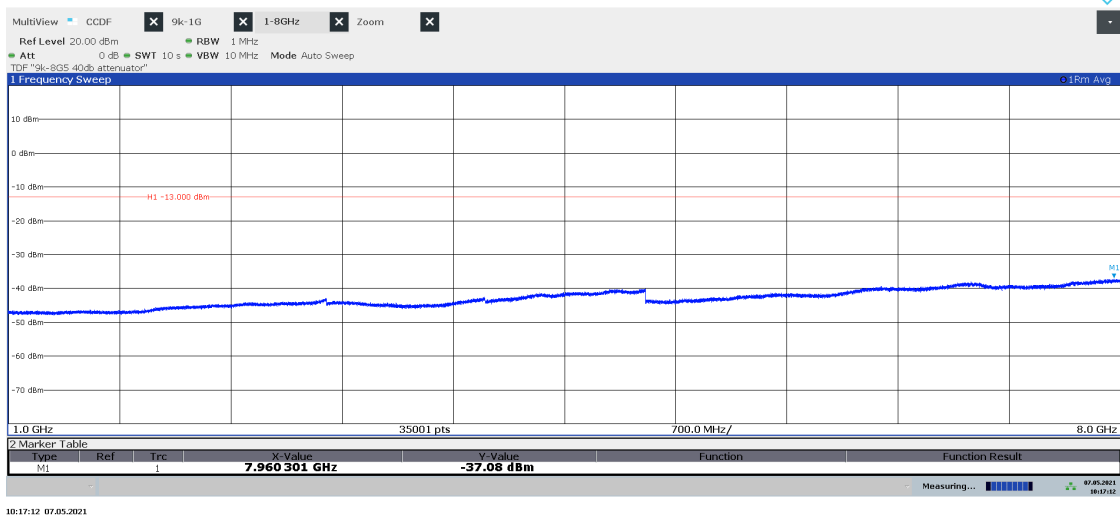


Diagram 3.15a LTE: E-TM1.1, M<sub>5LTE</sub>, 9 kHz – 1 GHz, Port B:

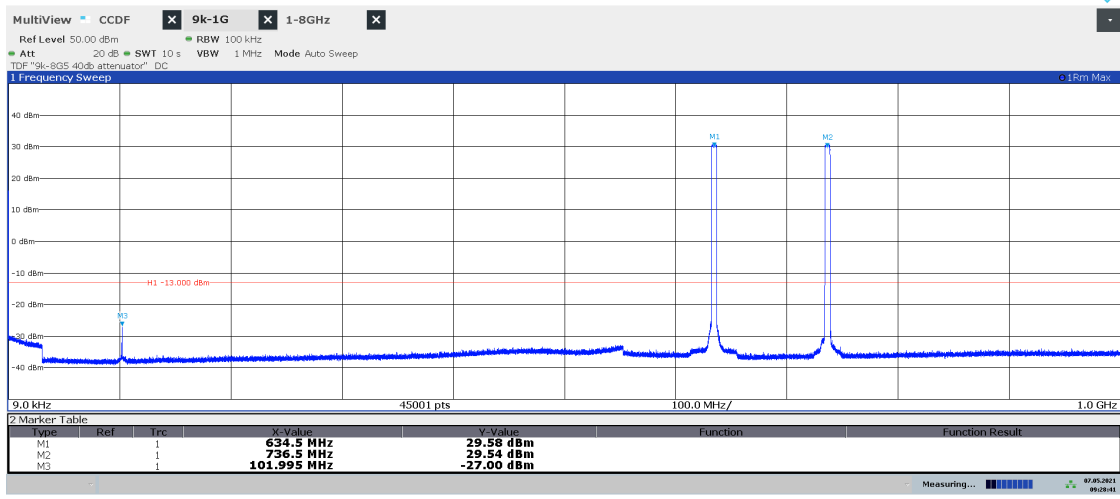


Diagram 3.15b LTE: E-TM1.1, M<sub>5LTE</sub>, 1 – 8 GHz, Port B:

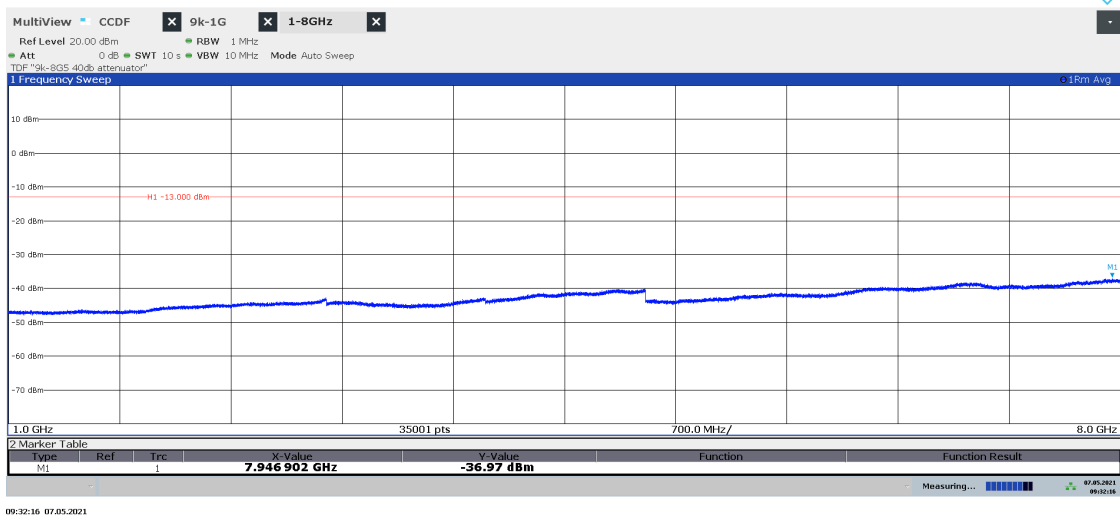
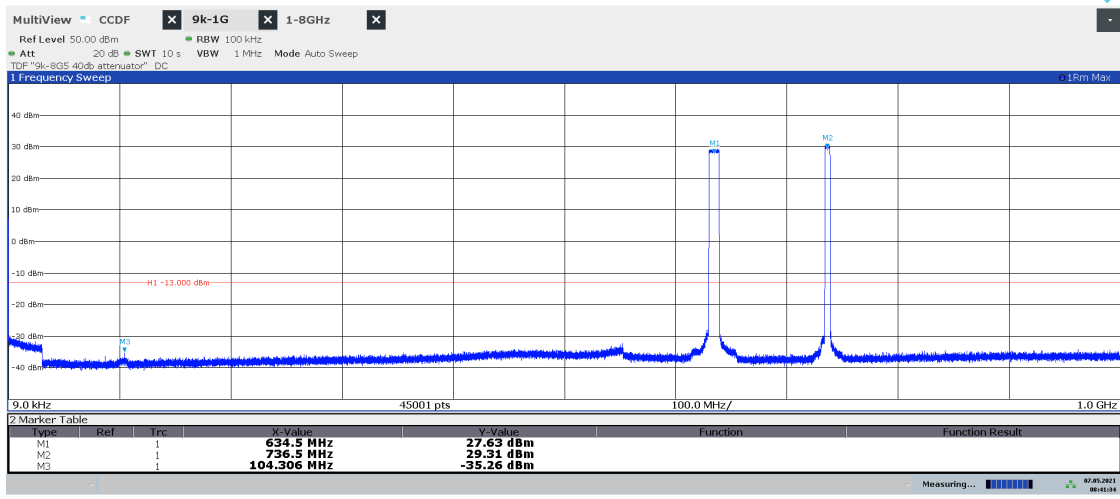
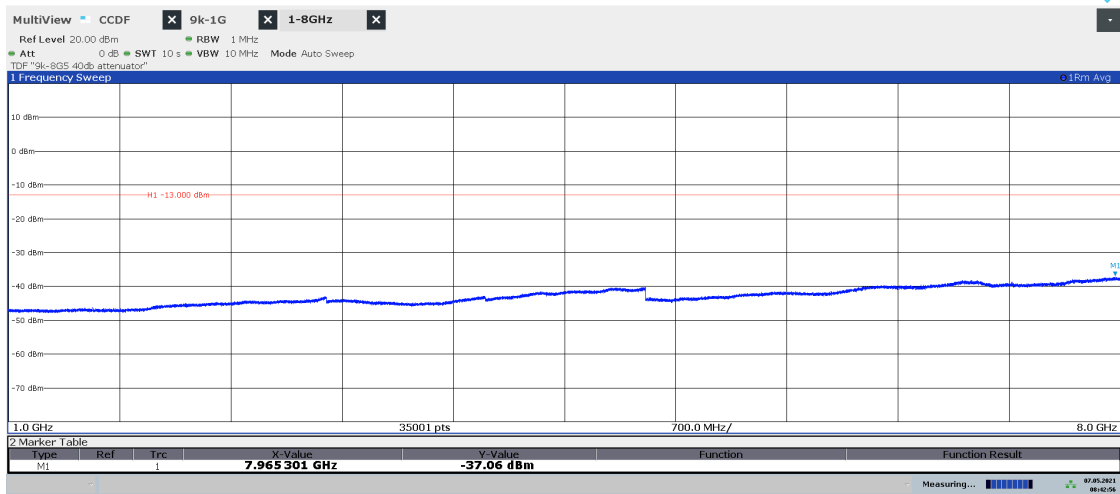


Diagram 3.16a LTE: E-TM1.1, M<sub>10LTE</sub>, 9 kHz – 1 GHz, Port A:



08:41:35 07.05.2021

Diagram 3.16b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port A:



08:42:57 07.05.2021

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

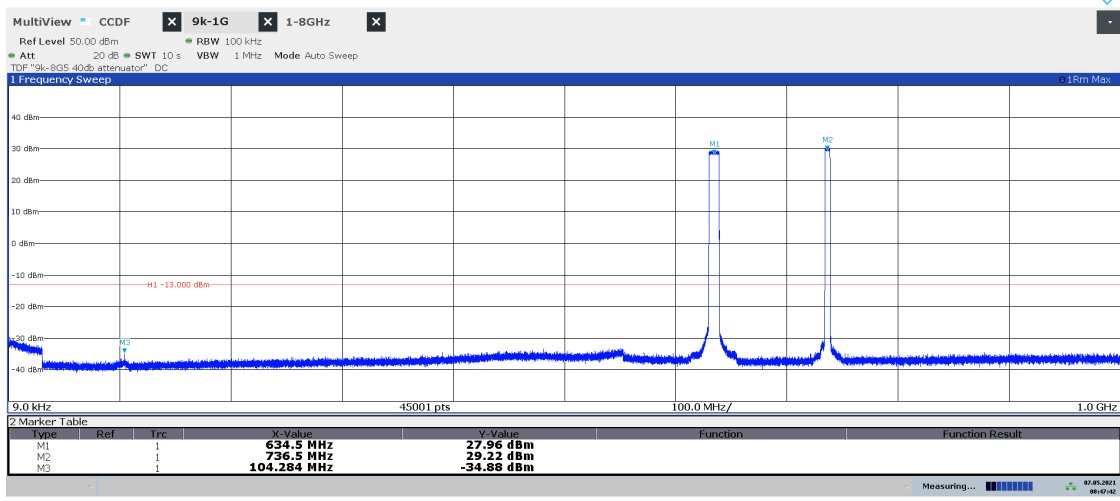


Diagram 3.17b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port B:

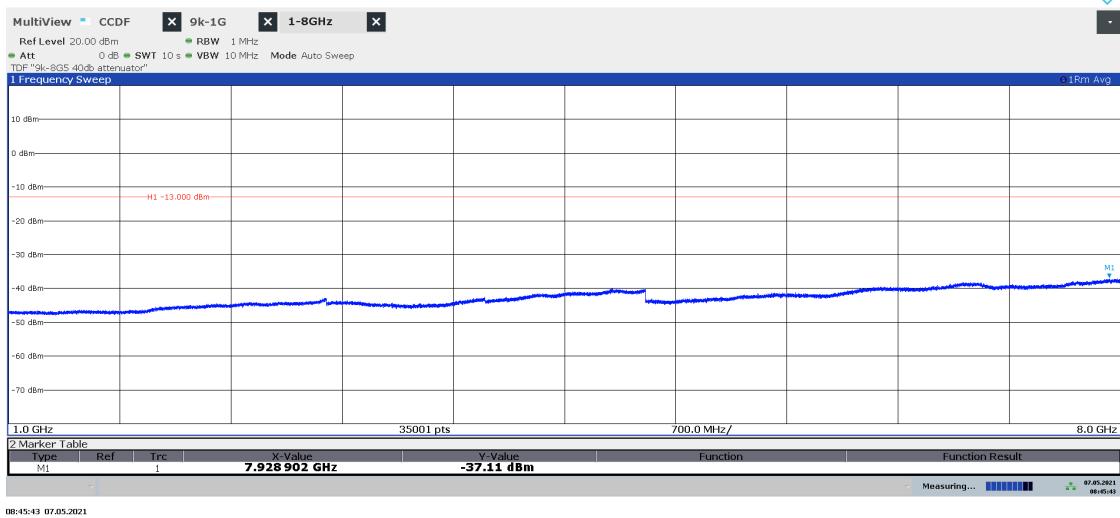
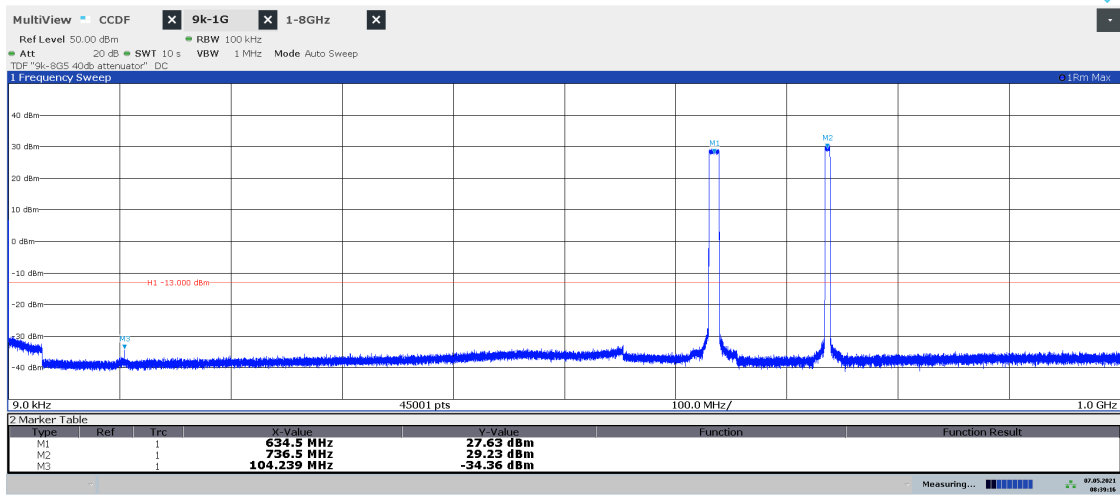


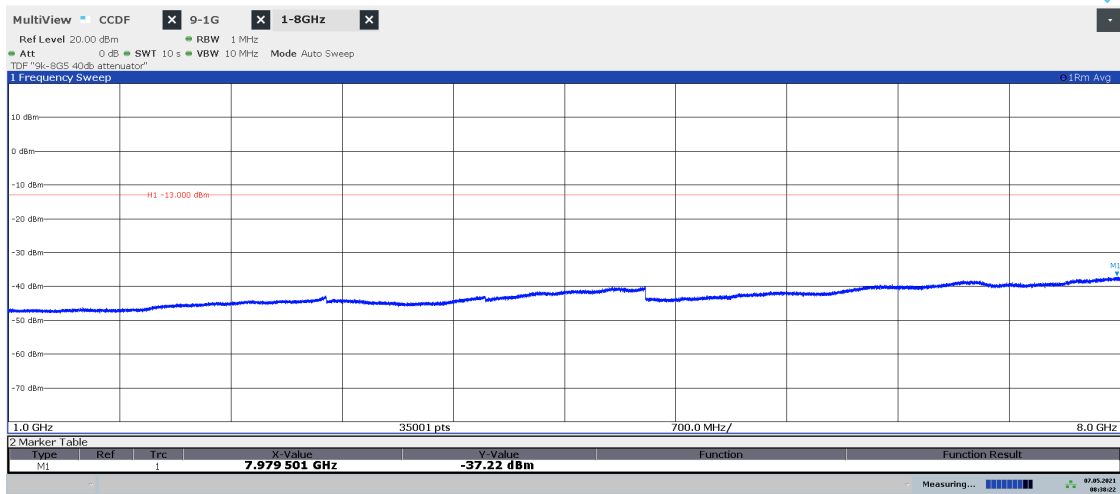


Diagram 3.18a LTE: E-TM1.1, M<sub>10LTE</sub>, 9 kHz – 1 GHz, Port C:



08:39:17 07.05.2021

Diagram 3.18b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port C:



08:38:22 07.05.2021

Diagram 3.19a LTE: E-TM1.1,  $M_{10LTE}$ , 9 kHz – 1 GHz, Port D:

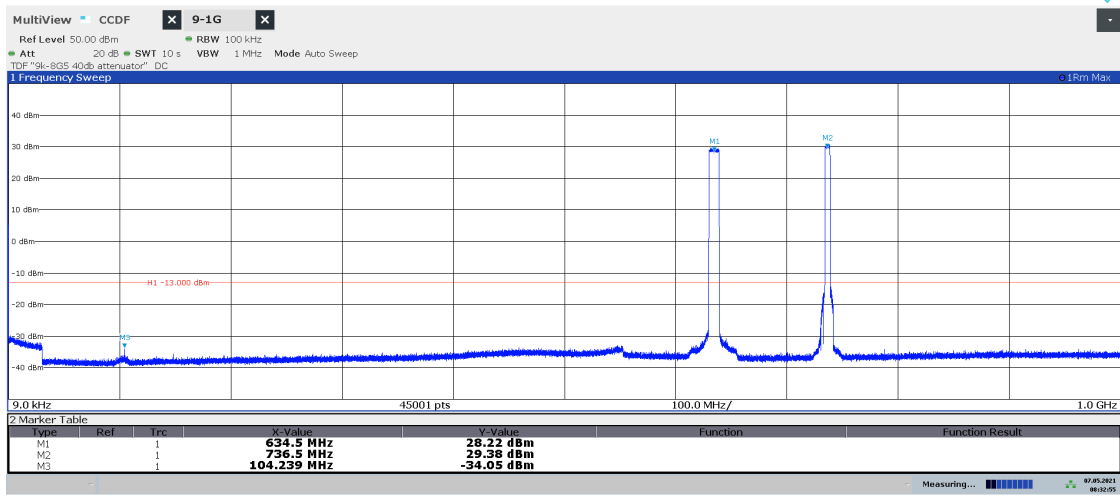


Diagram 3.19b LTE: E-TM1.1,  $M_{10LTE}$ , 1 – 8 GHz, Port D:

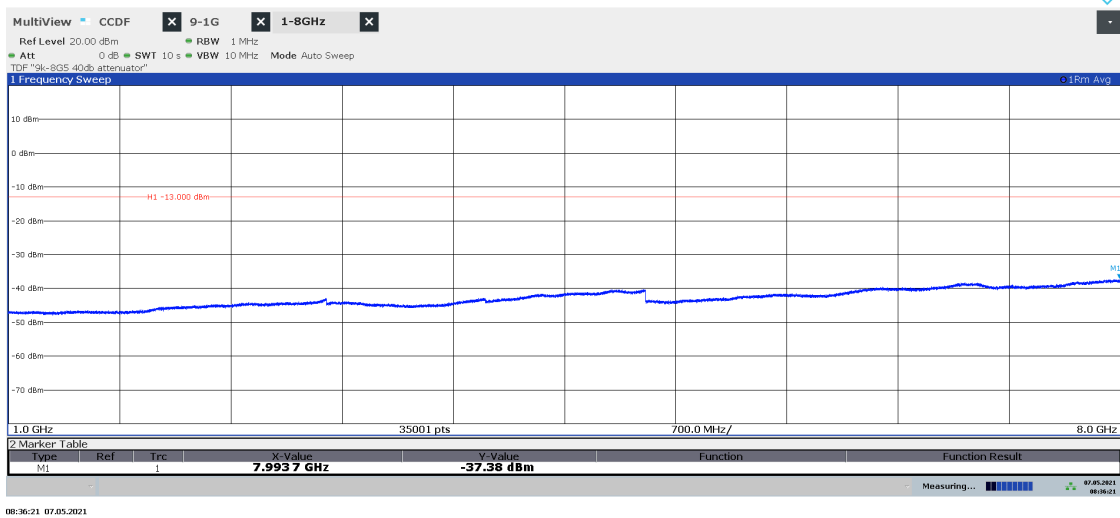


Diagram 3.20a LTE: E-TM1.1, M<sub>15LTE</sub>, 9 kHz – 1 GHz, Port B:

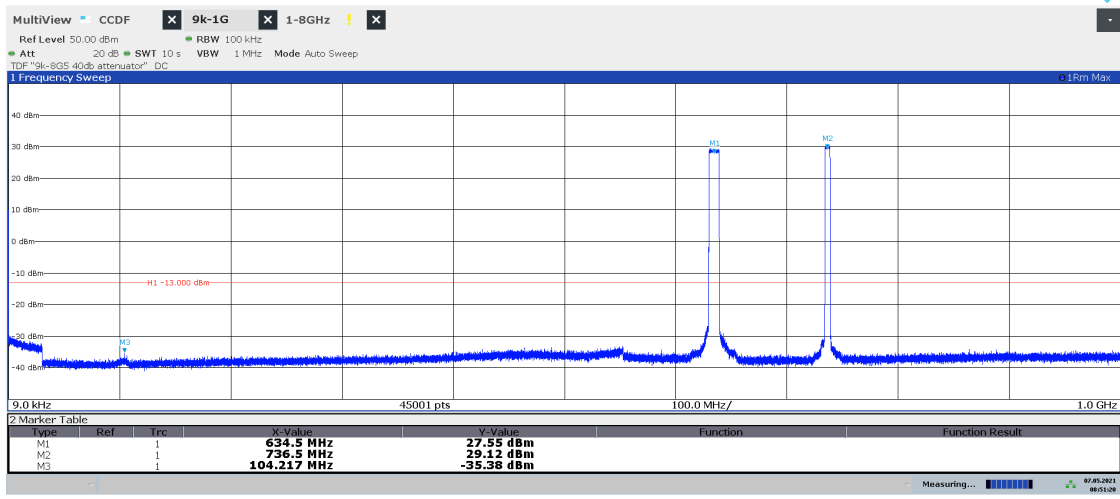


Diagram 3.20b LTE: E-TM1.1, M<sub>15LTE</sub>, 1 – 8 GHz, Port B:

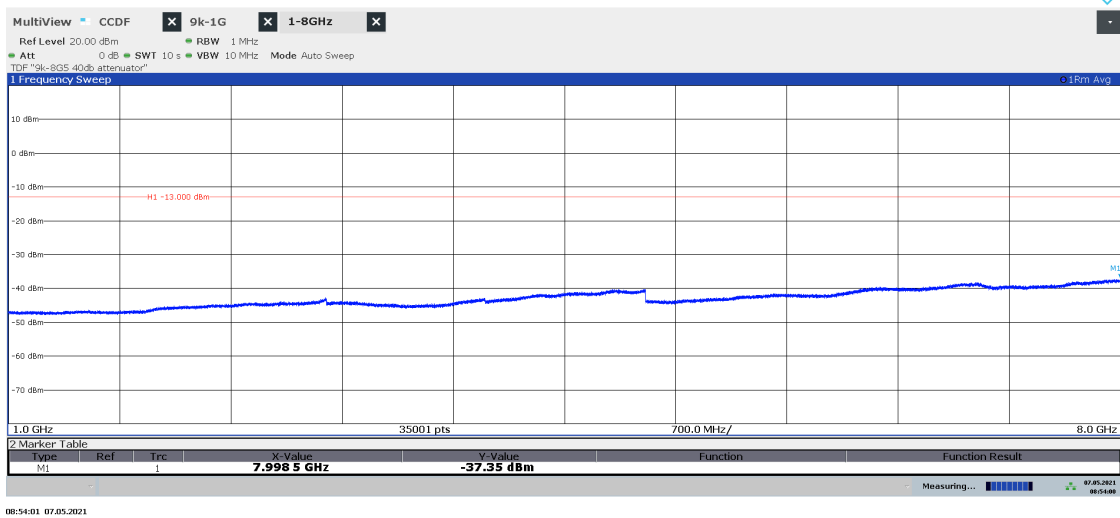


Diagram 3.21a LTE: E-TM1.1, M<sub>20LTE</sub>, 9 kHz – 1 GHz, Port B:

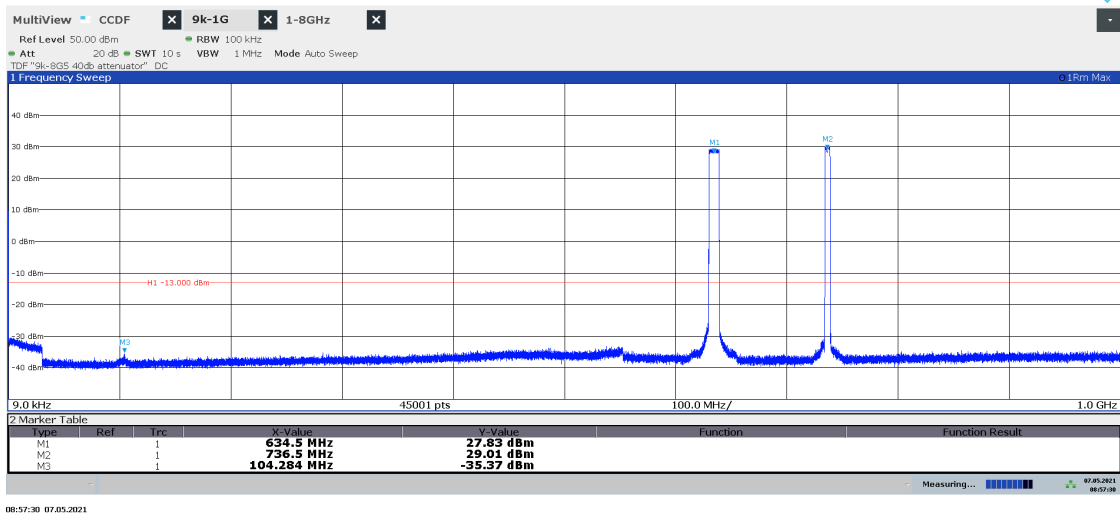


Diagram 3.21b LTE: E-TM1.1, M<sub>20LTE</sub>, 1 – 8 GHz, Port B:

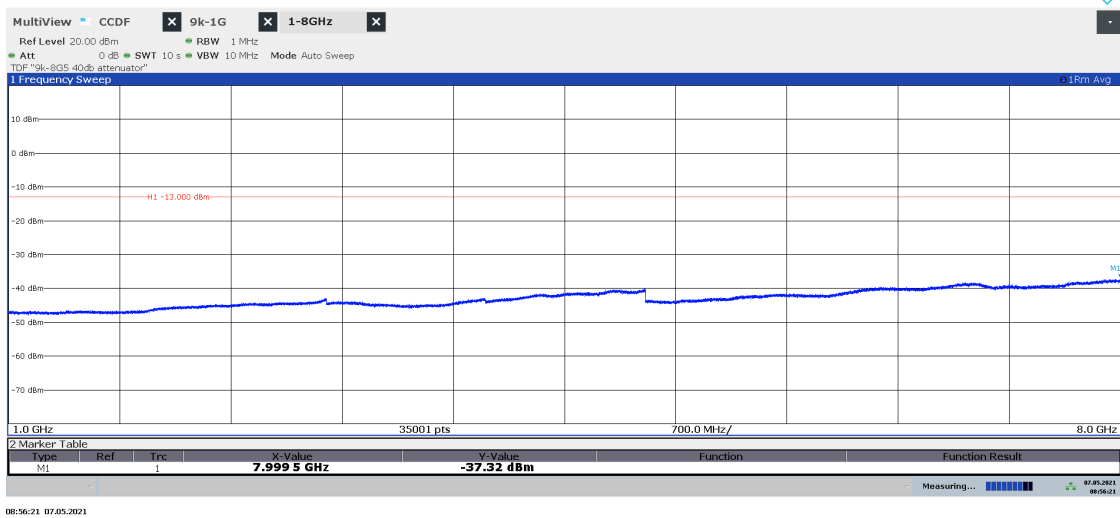
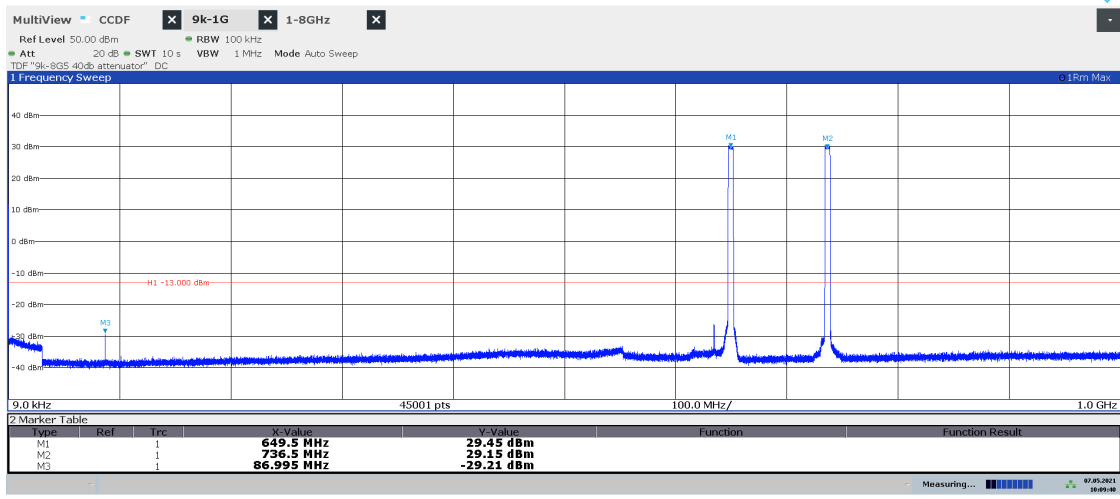
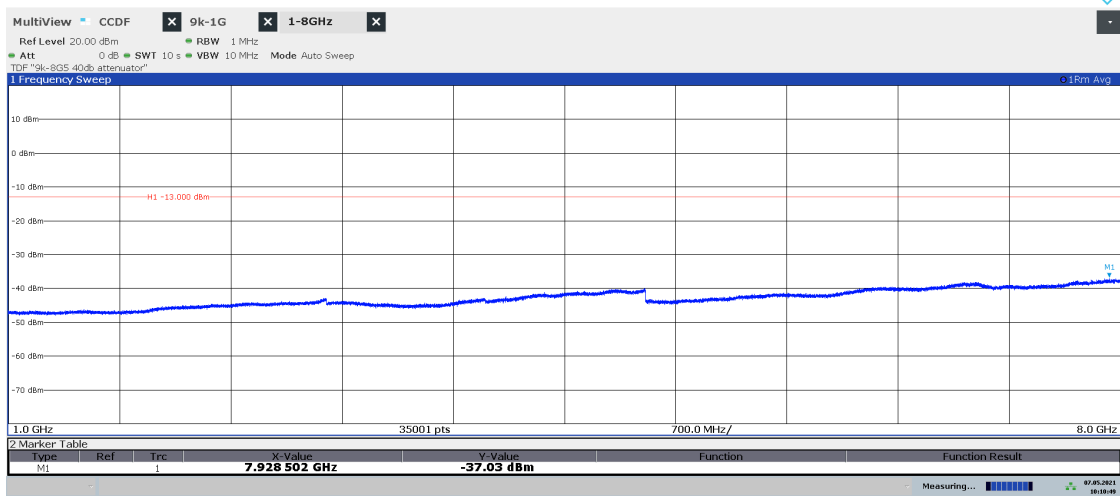


Diagram 3.22a LTE: E-TM1.1, T<sub>5LTE</sub>, 9 kHz – 1 GHz, Port B:



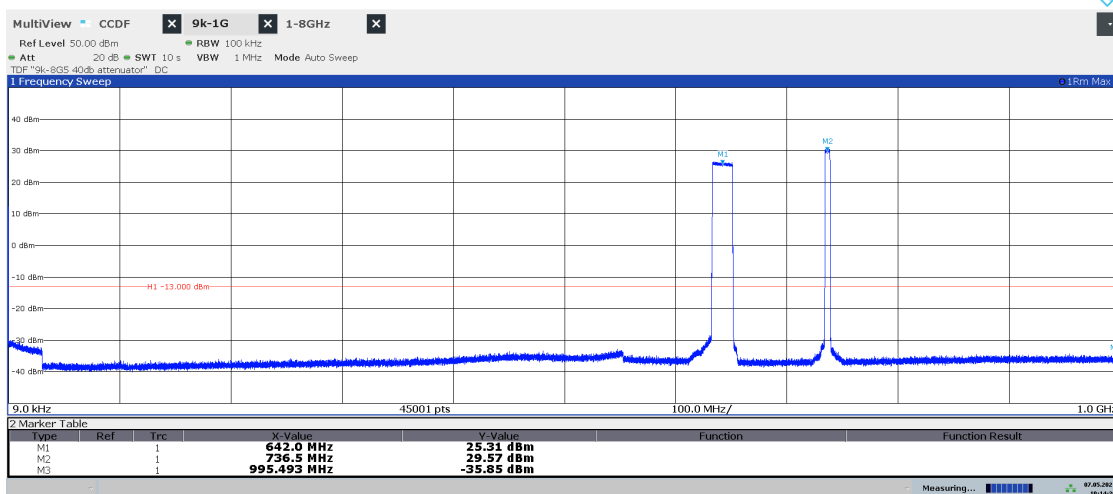
10:09:40 07.05.2021

Diagram 3.22b LTE: E-TM1.1, T<sub>5LTE</sub>, 1 – 8 GHz, Port B:



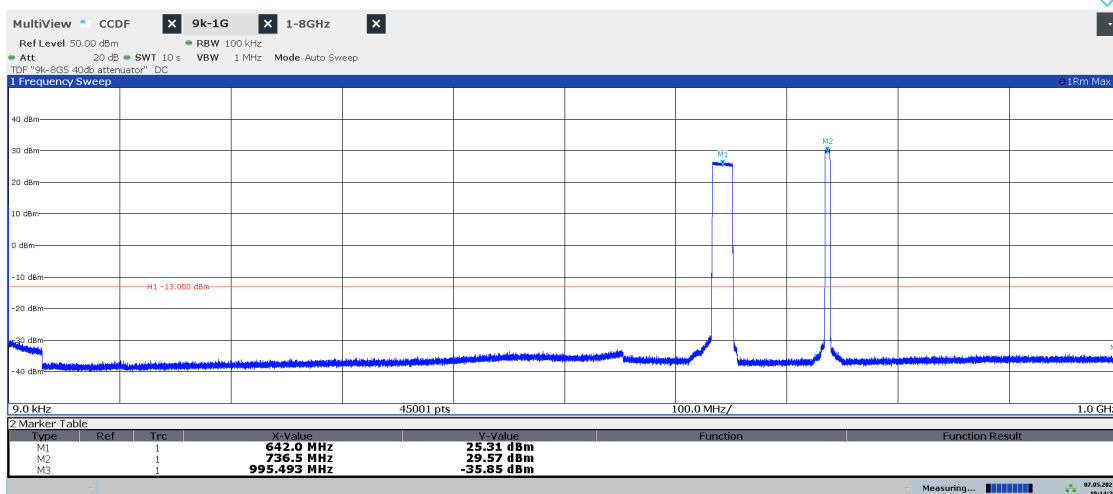
10:10:49 07.05.2021

Diagram 3.23a LTE: E-TM1.1, T<sub>20LTE</sub>, 9 kHz – 1 GHz, Port B:



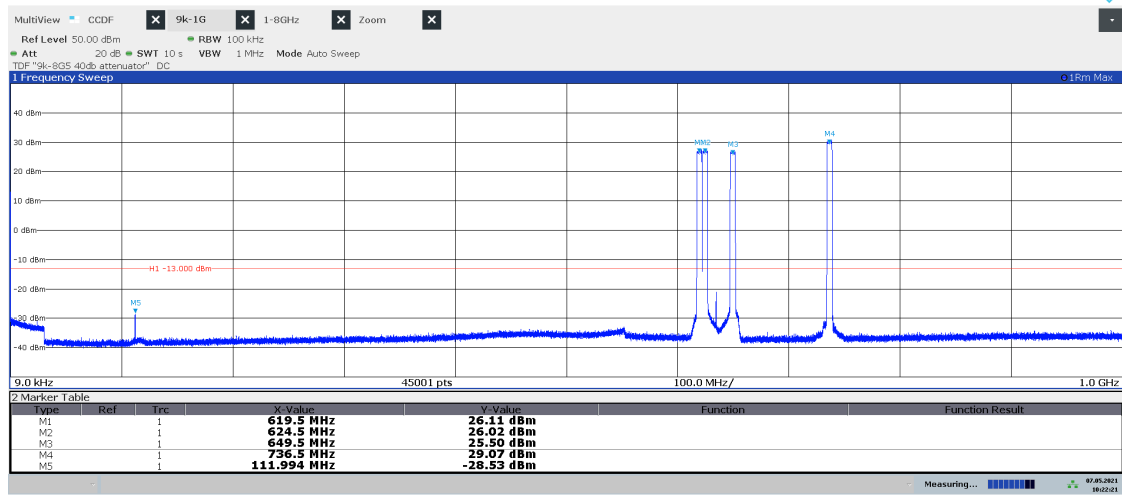
10:14:21 07.05.2021

Diagram 3.23b LTE: E-TM1.1, T<sub>20LTE</sub>, 1 – 8 GHz, Port B:



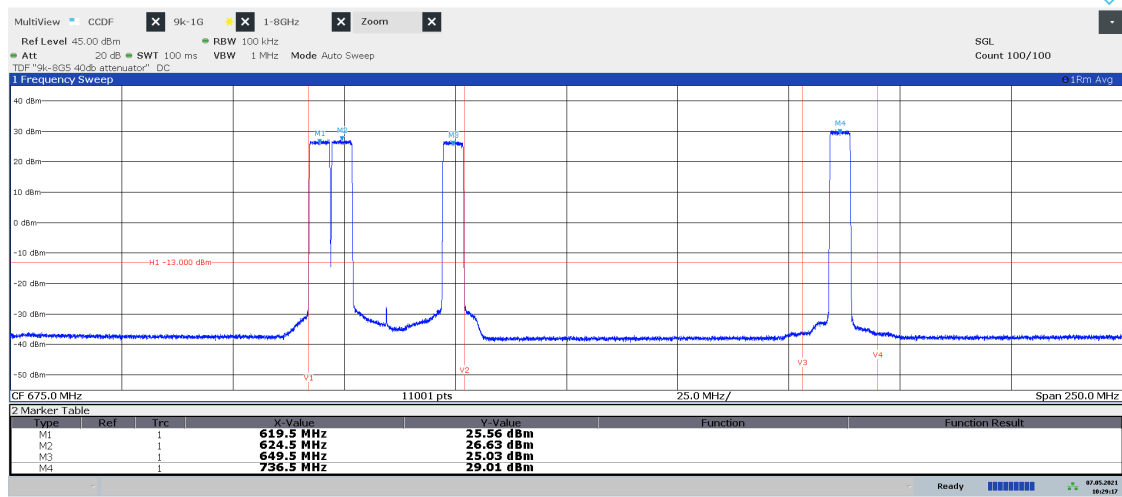
10:14:21 07.05.2021

Diagram 3.24a LTE: E-TM1.1, Bim<sub>LTE</sub>, 9 kHz – 1 GHz, Port B:



10:22:21 07.05.2021

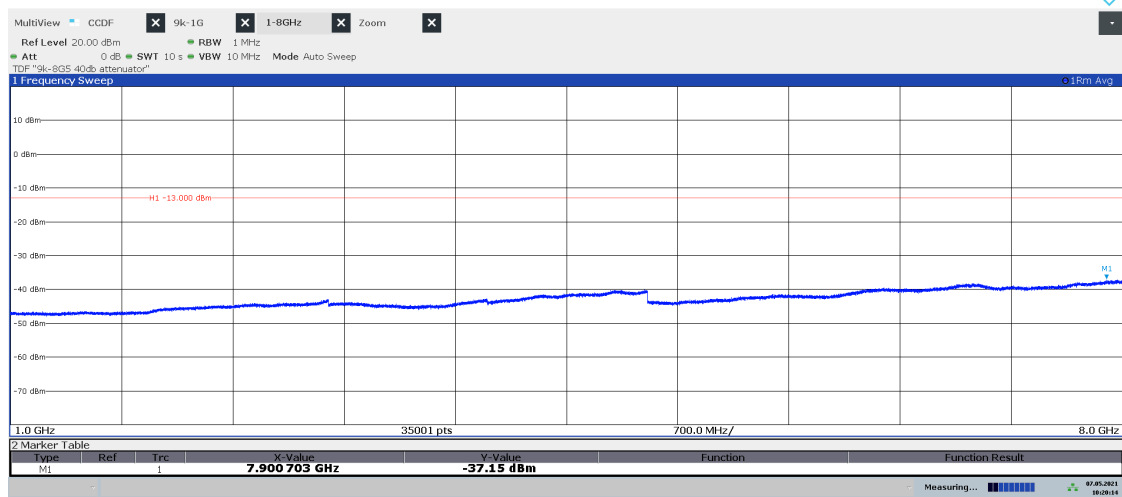
Diagram 3.24b LTE: E-TM1.1, Bim<sub>LTE</sub>, 550 – 800 MHz, Port B:



10:29:17 07.05.2021

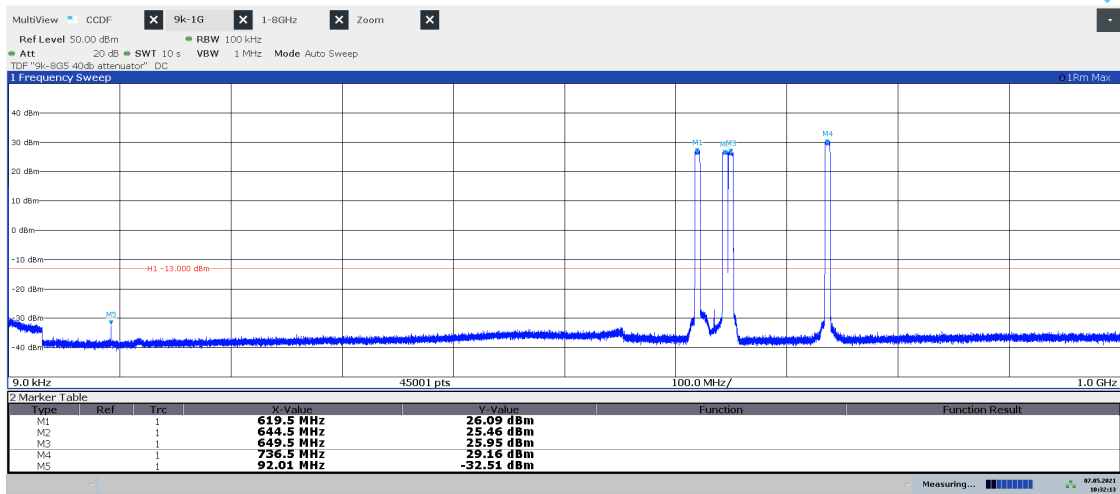
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.24c LTE: E-TM1.1, Bim<sub>LTE</sub>, 1 – 8 GHz, Port B:



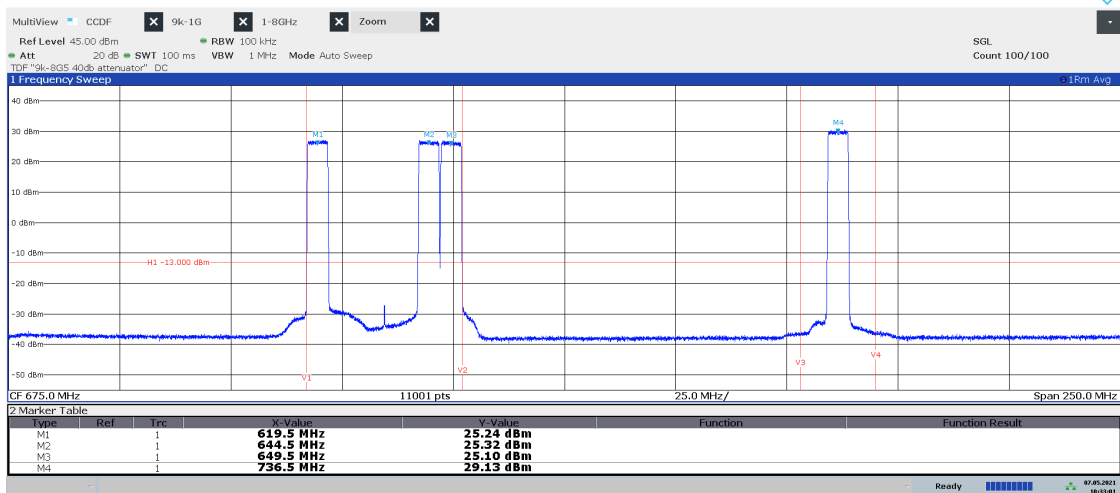
10:20:15 07.05.2021

Diagram 3.25a LTE: E-TM1.1, Tim<sub>LTE</sub>, 9 kHz – 1 GHz, Port B:



10:32:14 07.05.2021

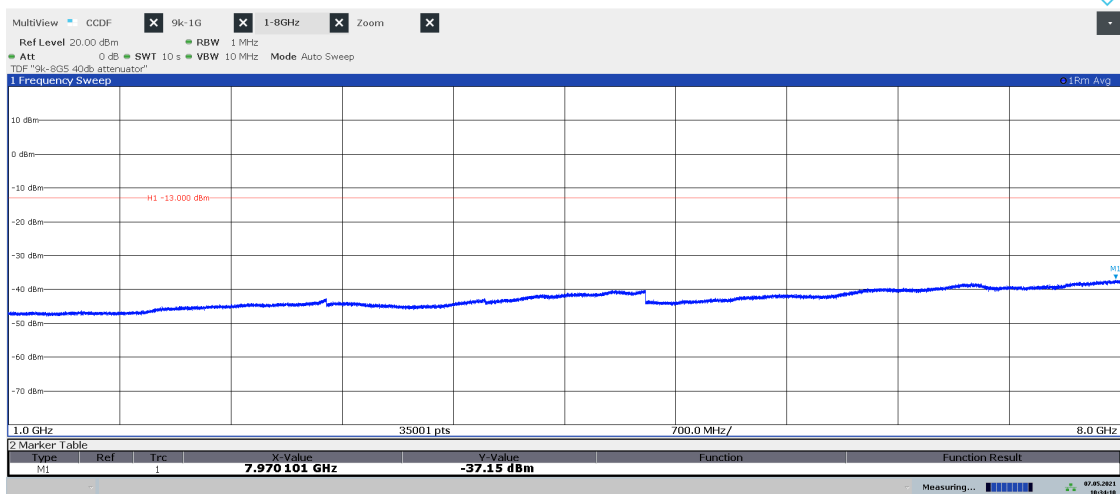
Diagram 3.25b LTE: E-TM1.1, Tim<sub>LTE</sub>, 550 – 800 MHz, Port B:



10:33:01 07.05.2021

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

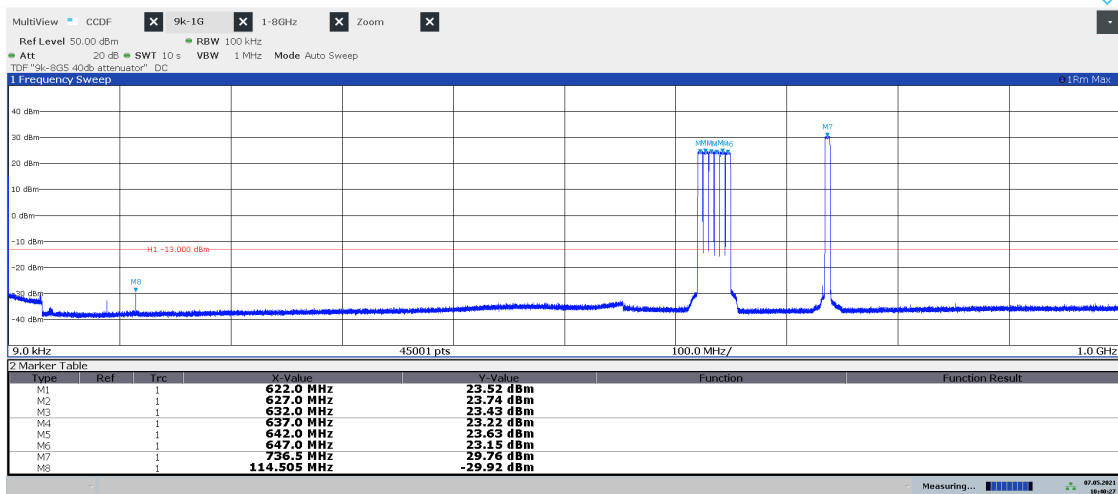
Diagram 3.25c LTE: E-TM1.1, Tim<sub>LTE</sub>, 1 – 8 GHz, Port B:



10:34:10 07.05.2021

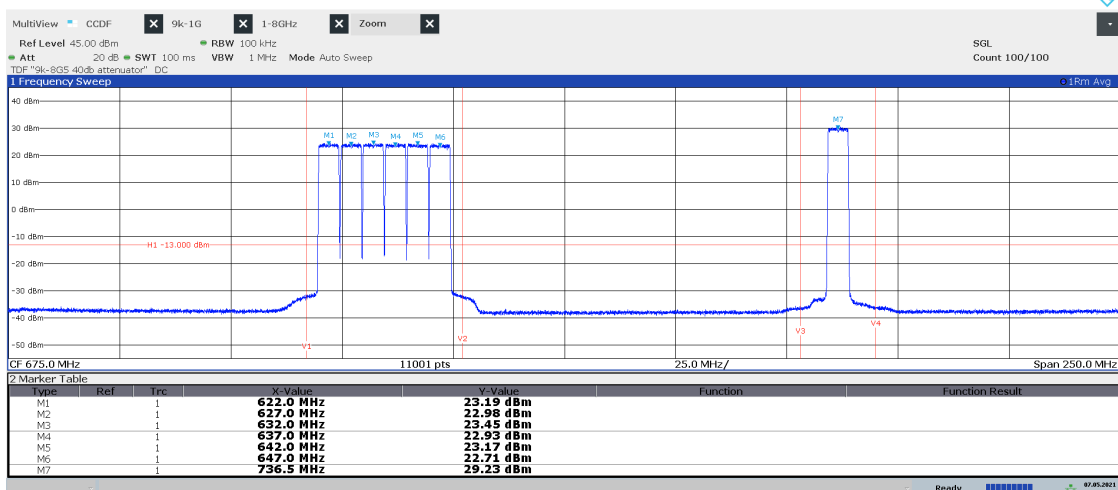


Diagram 3.26a LTE: E-TM1.1, M6<sub>LTE</sub>, 9 kHz – 1 GHz, Port B:



10:40:28 07.05.2021

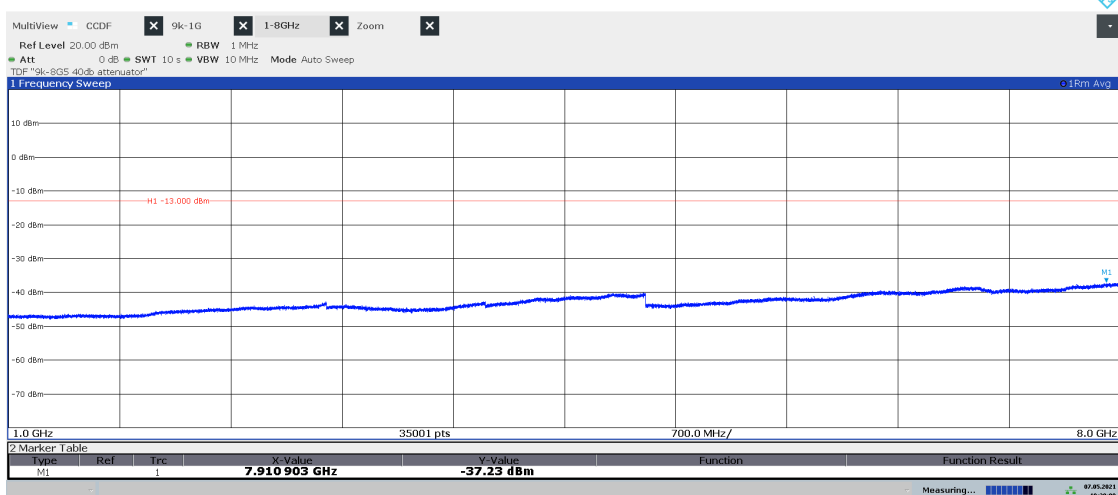
Diagram 3.26b LTE: E-TM1.1, M6<sub>LTE</sub>, 550 – 800 MHz, Port B:



10:42:52 07.05.2021

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

Diagram 3.26c LTE: E-TM1.1, M6<sub>LTE</sub>, 1 – 8 GHz, Port B:



10:38:09 07.05.2021

Diagram 3.27a NB IoT SA: N-TM, LTE: E-TM3.1,  $B_{IoT+L}$ , 9 kHz – 1 GHz, Port B:

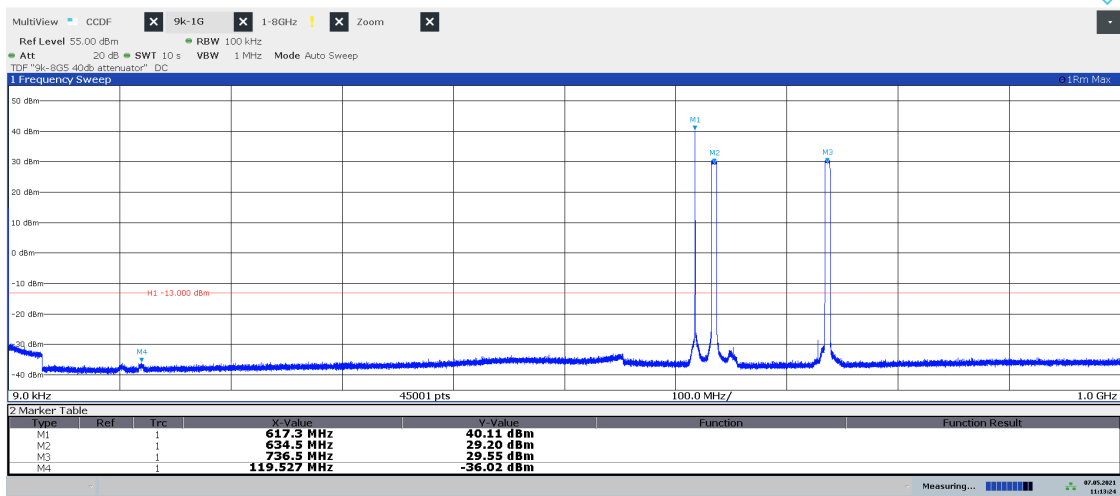
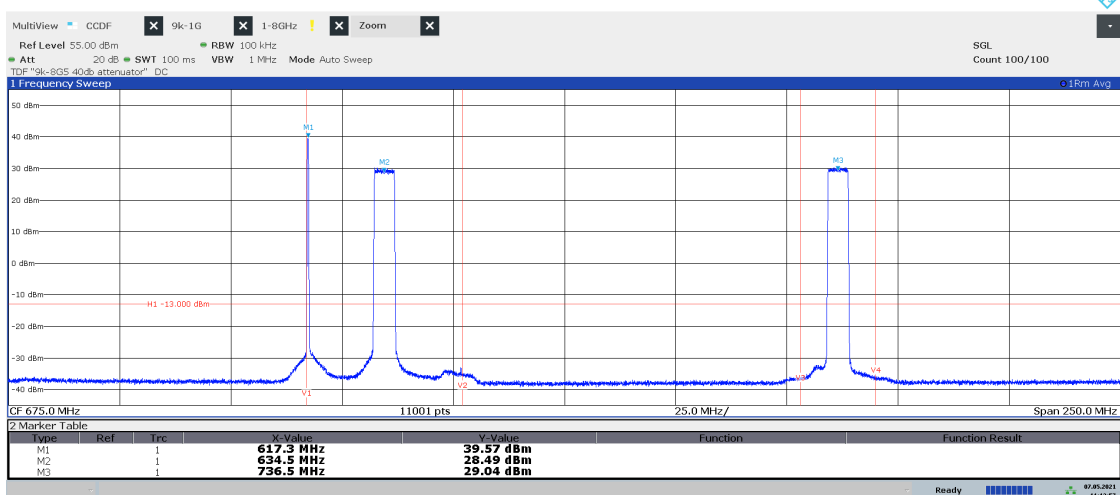


Diagram 3.27b NB IoT SA: N-TM, LTE: E-TM3.1,  $B_{IoT+L}$ , 550 – 800 MHz, Port B:



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

Diagram 3.27c NB IoT SA: N-TM, LTE: E-TM3.1,  $B_{IoT+L}$ , 1 – 8 GHz, Port B:

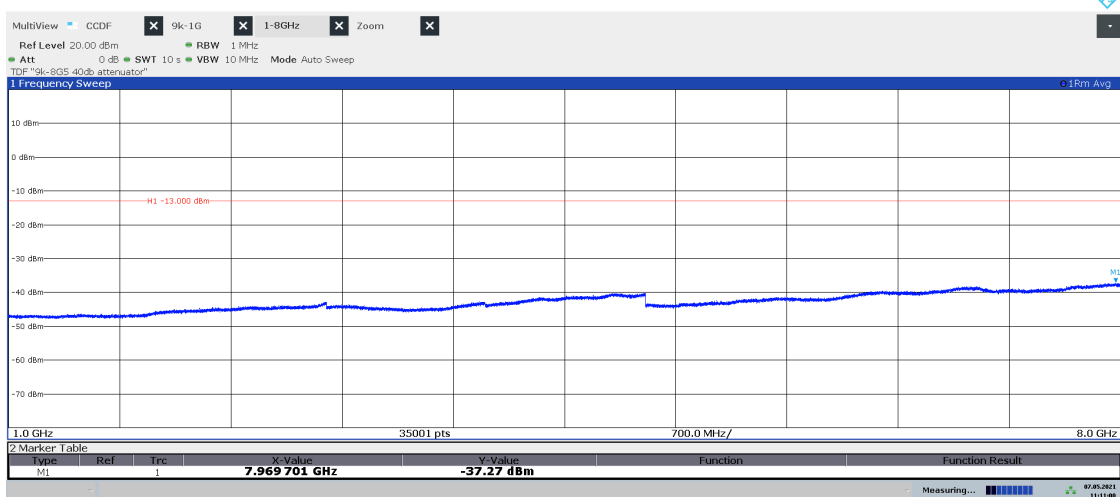


Diagram 3.28a NB IoT IB: N-TM, LTE: E-TM3.1, B<sub>IBIoT+L</sub>, 9 kHz – 1 GHz, Port B:

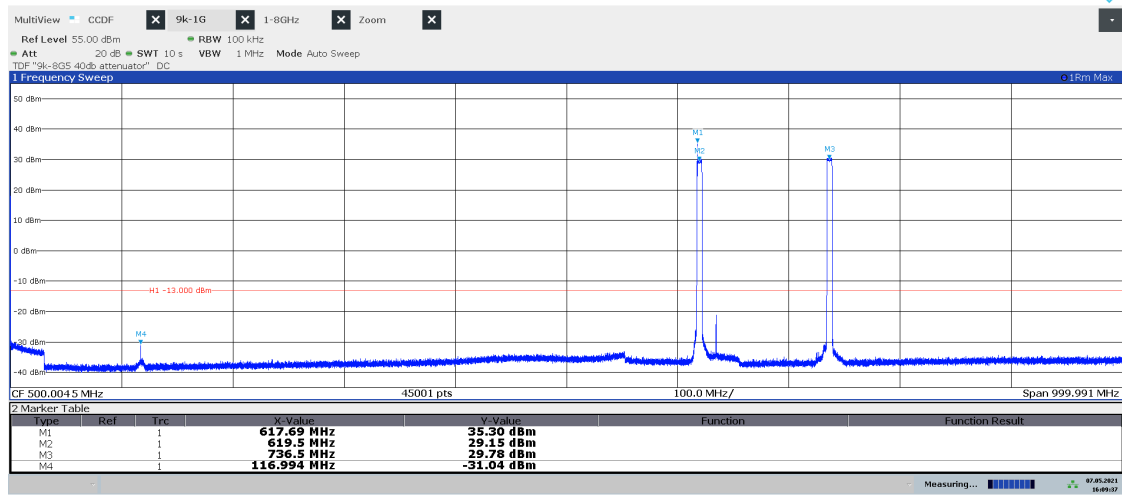
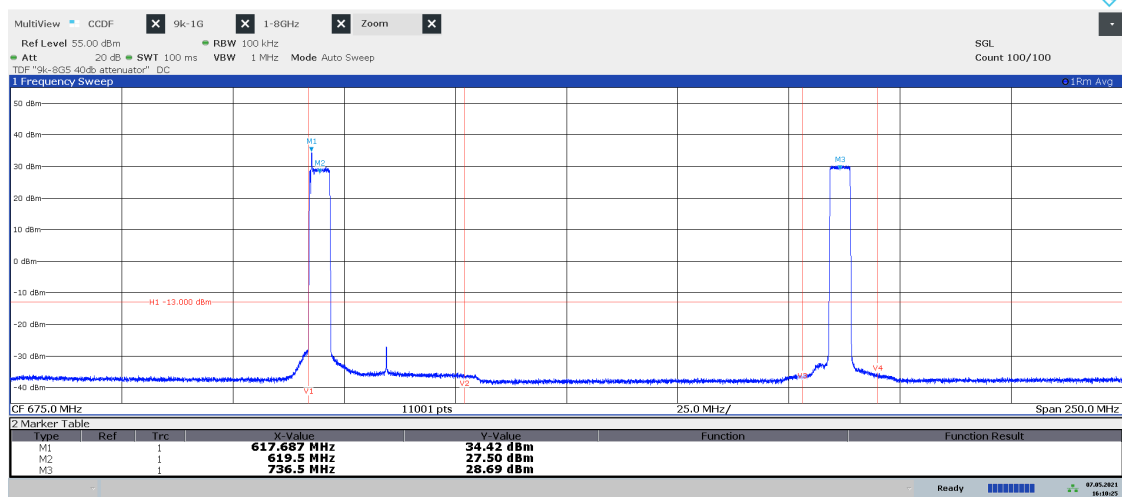


Diagram 3.28b NB IoT IB: N-TM, LTE: E-TM3.1, B<sub>IBIoT+L</sub>, 550 – 800 MHz, Port B:



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

Diagram 3.28c NB IoT IB: N-TM, LTE: E-TM3.1, B<sub>IBIoT+L</sub>, 1 – 8 GHz, Port B:

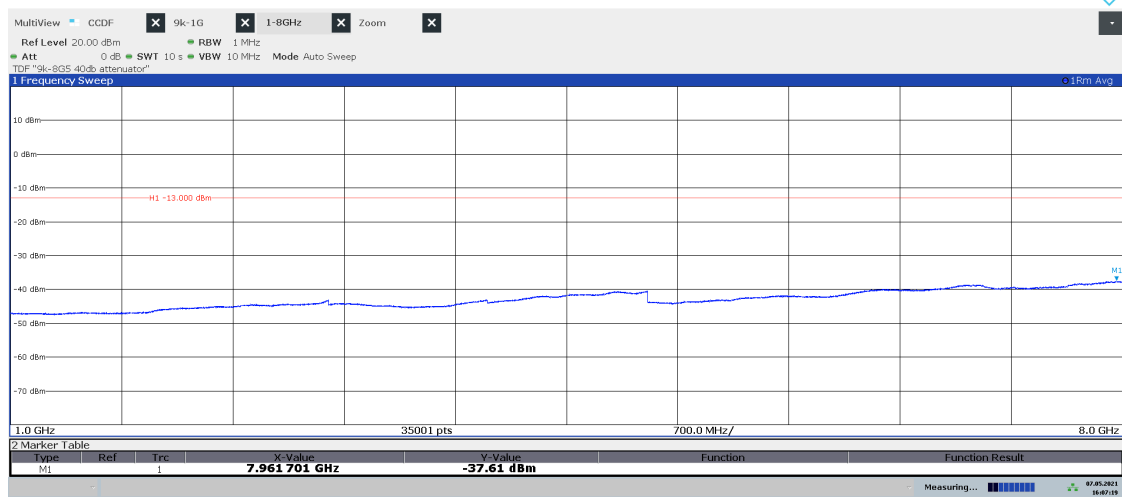


Diagram 3.29a NB IoT SA: N-TM, LTE: E-TM3.1,  $M_{IoT+L}$ , 9 kHz – 1 GHz, Port B:

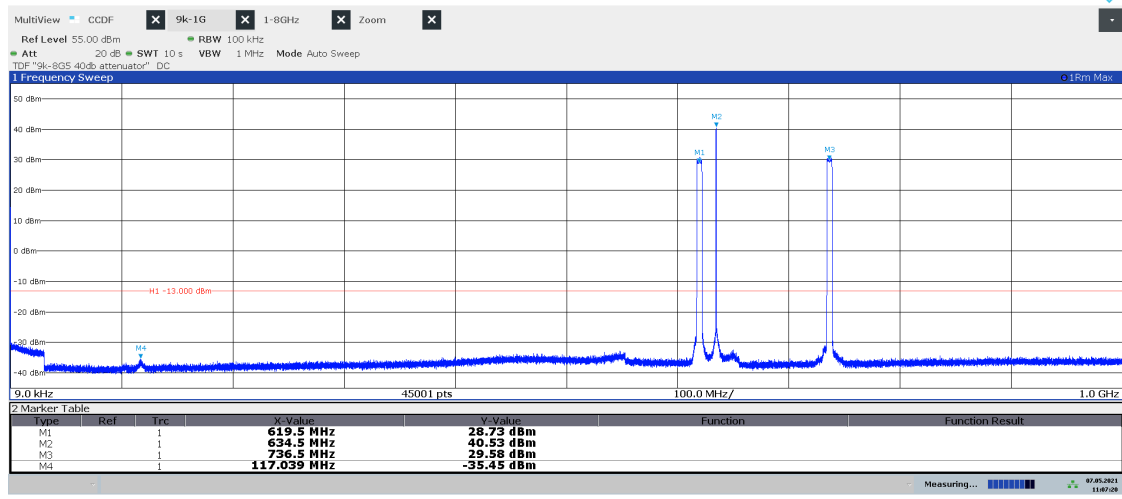
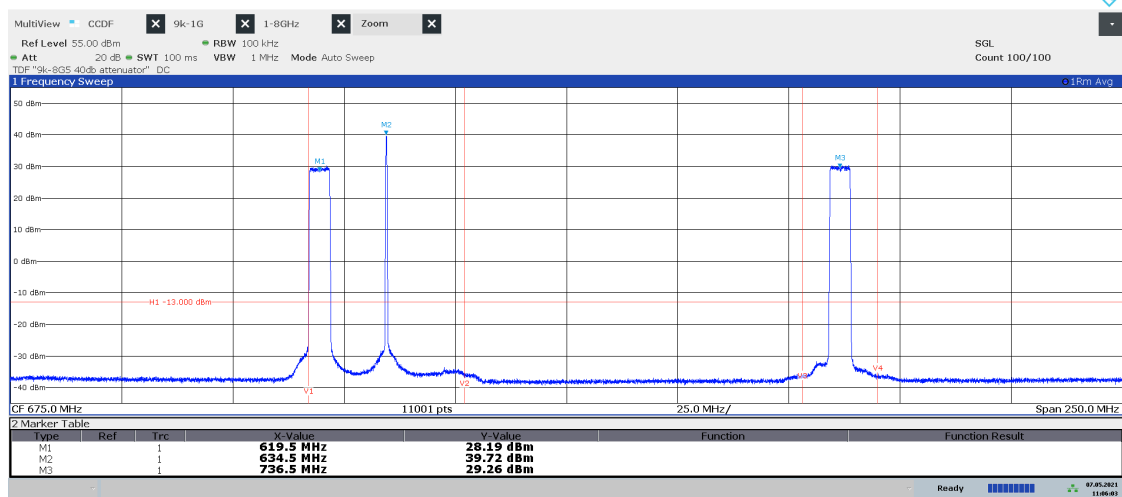


Diagram 3.29b NB IoT SA: N-TM, LTE: E-TM3.1,  $M_{IoT+L}$ , 550 – 800 MHz, Port B:



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

Diagram 3.29c NB IoT SA: N-TM, LTE: E-TM3.1,  $M_{IoT+L}$ , 1 – 8 GHz, Port B:

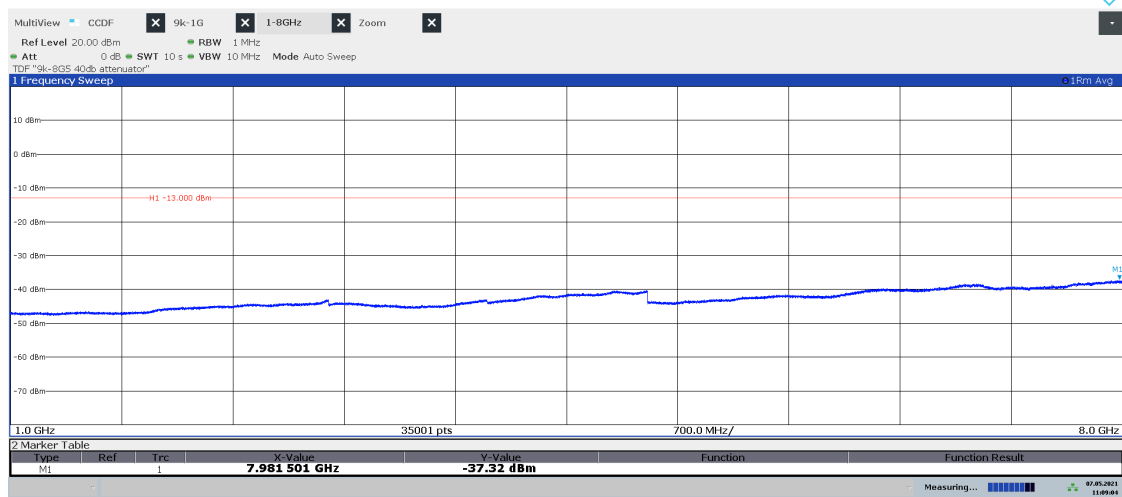
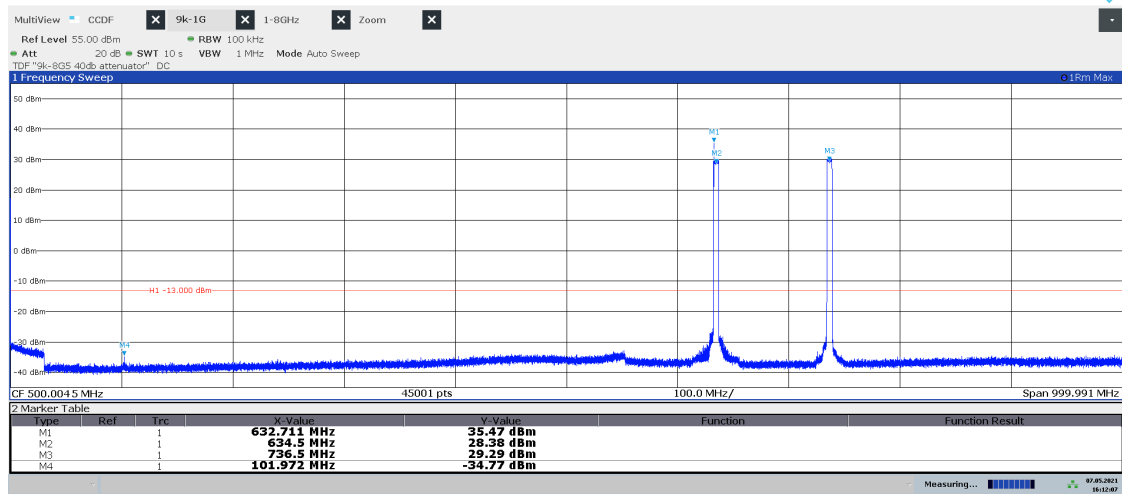
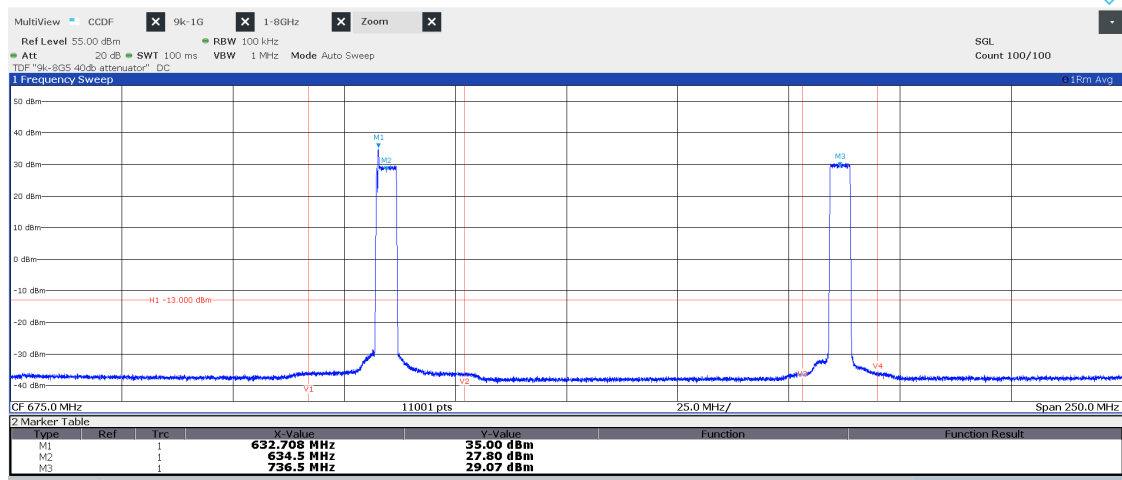


Diagram 3.30a NB IoT IB: N-TM, LTE: E-TM3.1,  $M_{IBIoT+L}$ , 9 kHz – 1 GHz, Port B:



16:12:08 07.05.2021

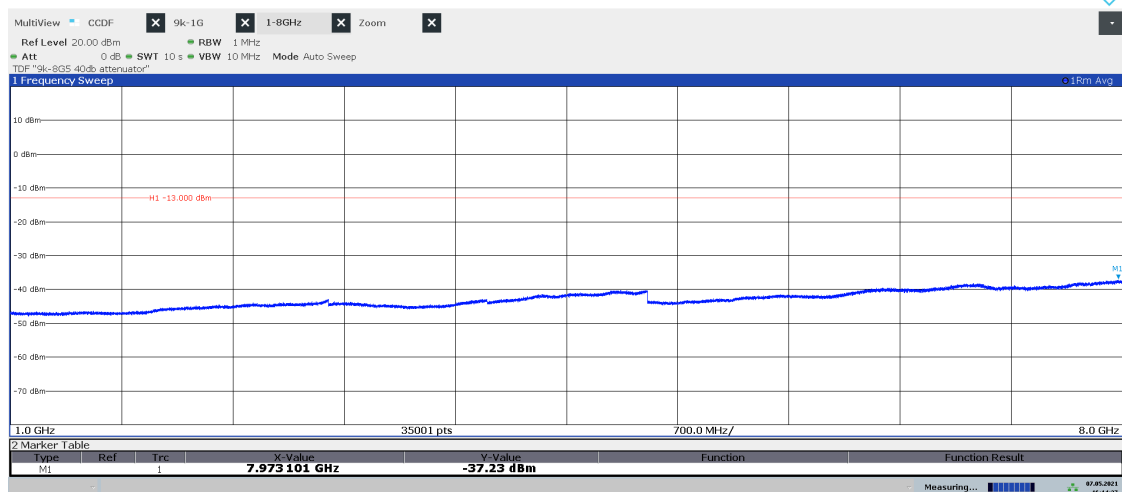
Diagram 3.30b NB IoT IB: N-TM, LTE: E-TM3.1,  $M_{IBIoT+L}$ , 550 – 800 MHz, Port B:



16:12:55 07.05.2021

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

Diagram 3.30c NB IoT IB: N-TM, LTE: E-TM3.1,  $M_{IBIoT+L}$ , 1 – 8 GHz, Port B:



16:14:27 07.05.2021

Diagram 3.31a NB IoT SA: N-TM, LTE: E-TM3.1,  $T_{IoT+L}$ , 9 kHz – 1 GHz, Port B:

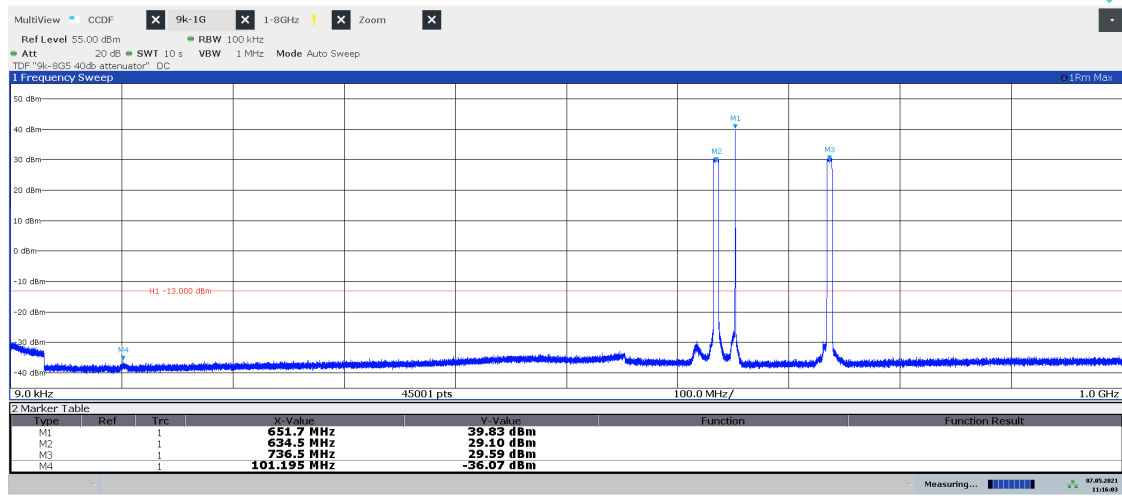
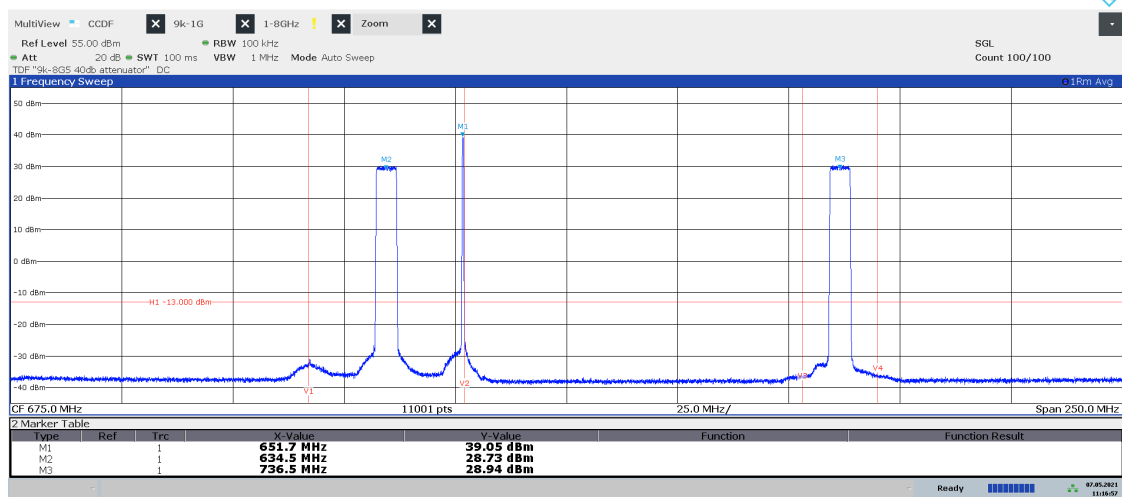


Diagram 3.31b NB IoT SA: N-TM, LTE: E-TM3.1,  $T_{IoT+L}$ , 550 – 800 MHz, Port B:



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

Diagram 3.31c NB IoT SA: N-TM, LTE: E-TM3.1,  $T_{IoT+L}$ , 1 – 8 GHz, Port B:

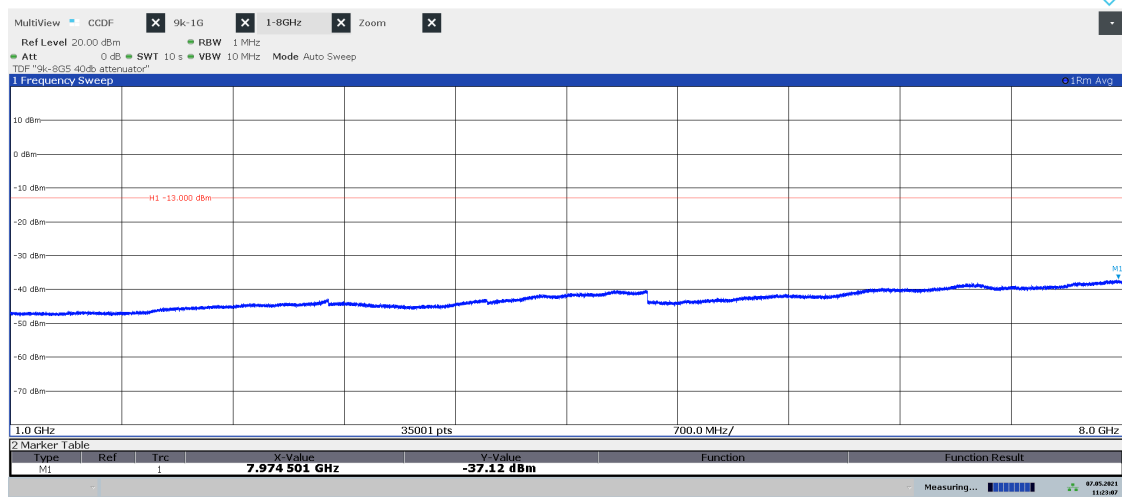


Diagram 3.32a NB IoT IB: N-TM, LTE: E-TM3.1,  $T_{IBIoT+L}$ , 9 kHz – 1 GHz, Port B:

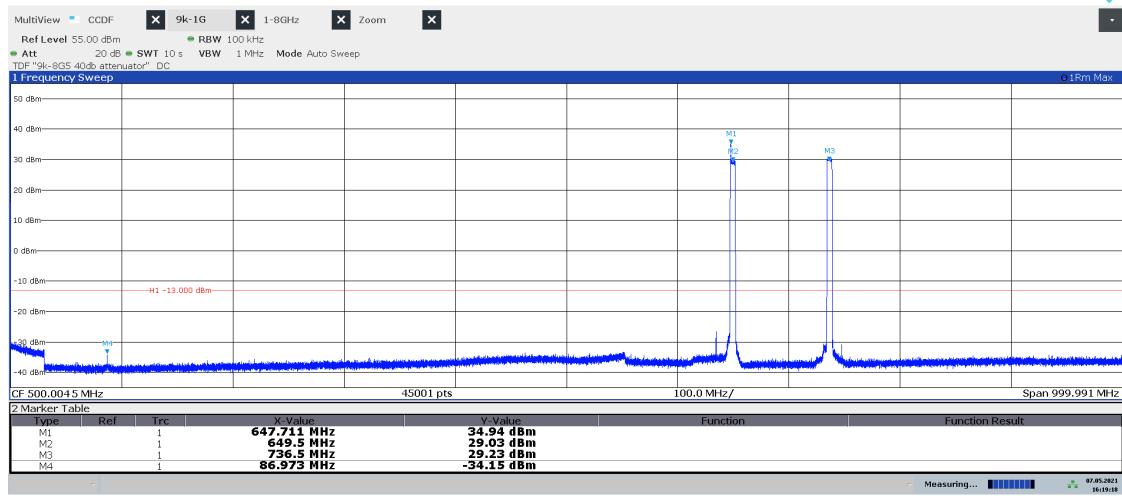
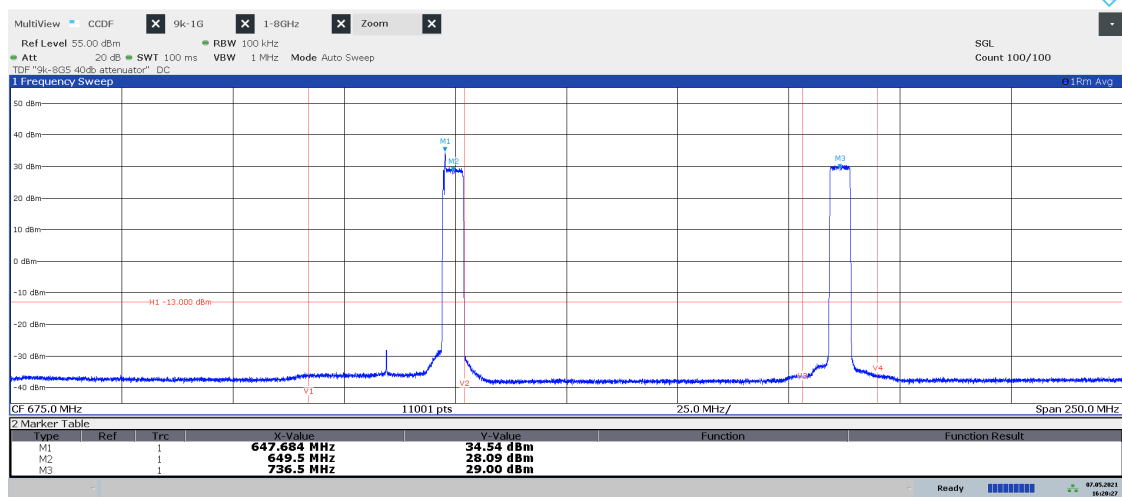


Diagram 3.32b NB IoT IB: N-TM, LTE: E-TM3.1,  $T_{IBIoT+L}$ , 550 – 800 MHz, Port B:



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

Diagram 3.32c NB IoT IB: N-TM, LTE: E-TM3.1,  $T_{IBIoT+L}$ , 1 – 8 GHz, Port B:

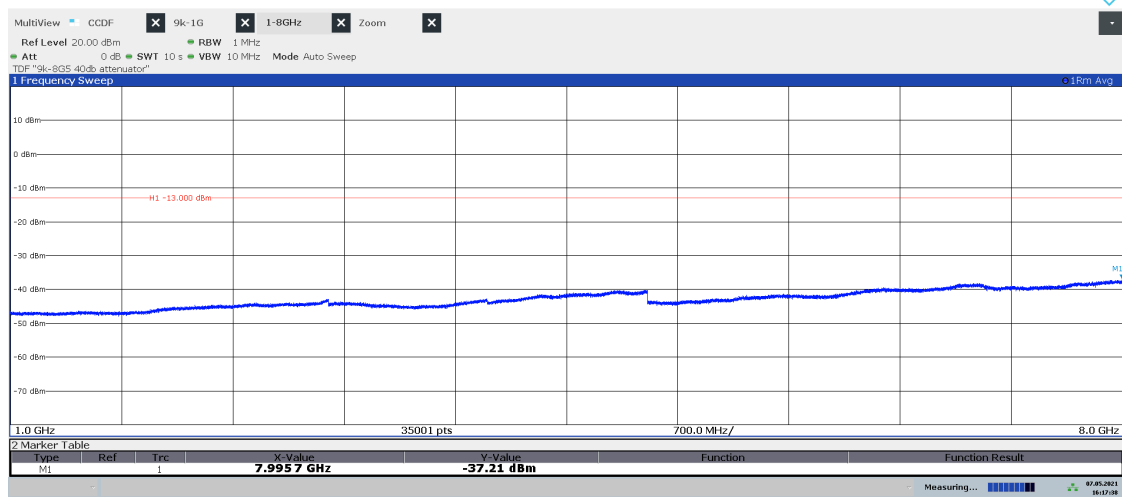


Diagram 3.33a NB IoT GB: N-TM, LTE: E-TM3.1, T10<sub>Guard</sub>, 9 kHz – 1 GHz, Port B:

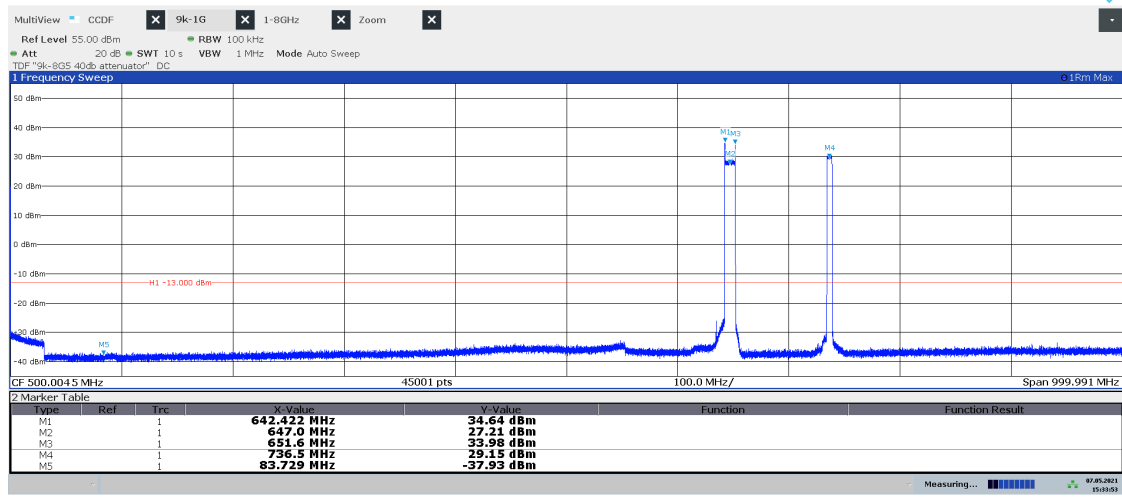
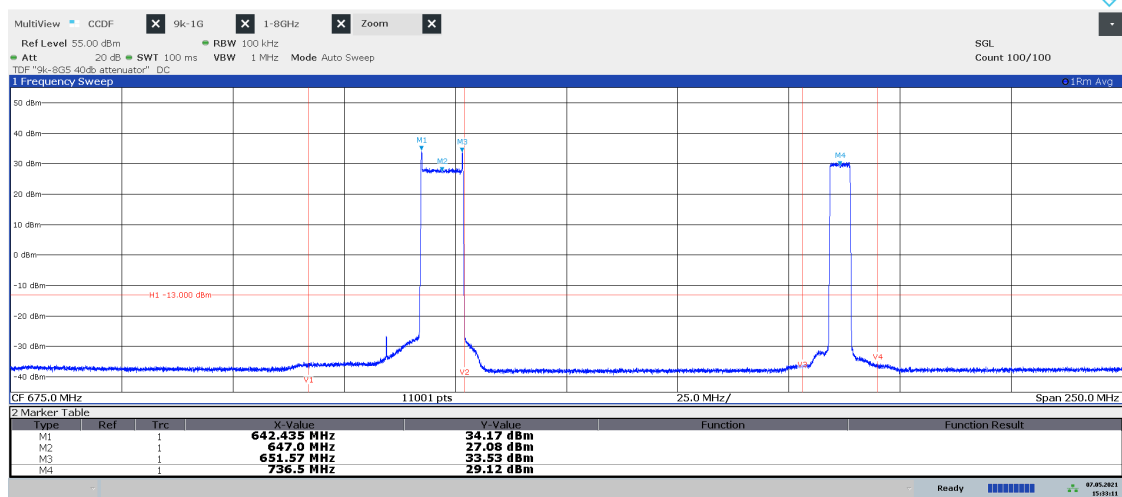


Diagram 3.33b NB IoT GB: N-TM, LTE: E-TM3.1, T10<sub>Guard</sub>, 550 – 800 MHz, Port B:



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

Diagram 3.33c NB IoT GB: N-TM, LTE: E-TM3.1, T10<sub>Guard</sub>, 1 – 8 GHz, Port B:

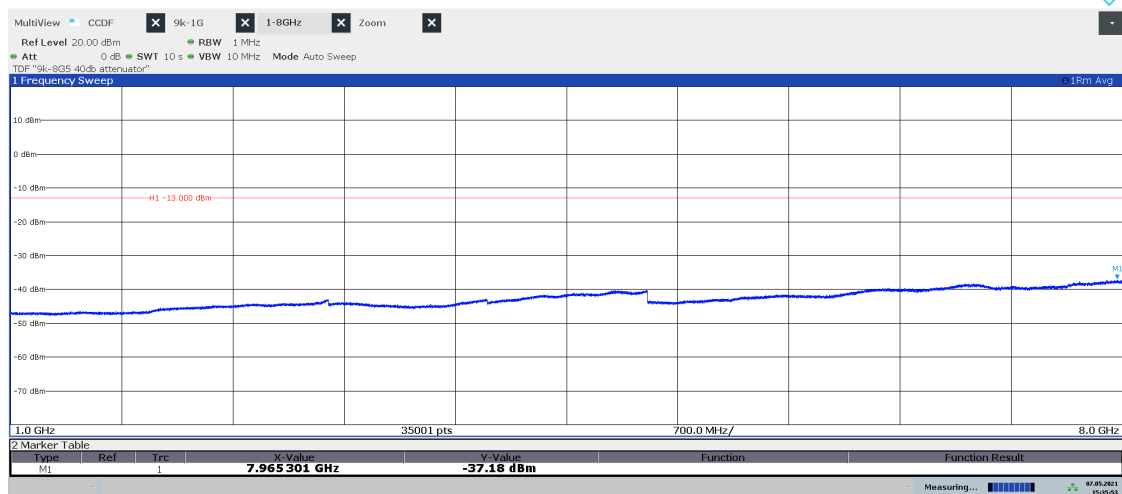
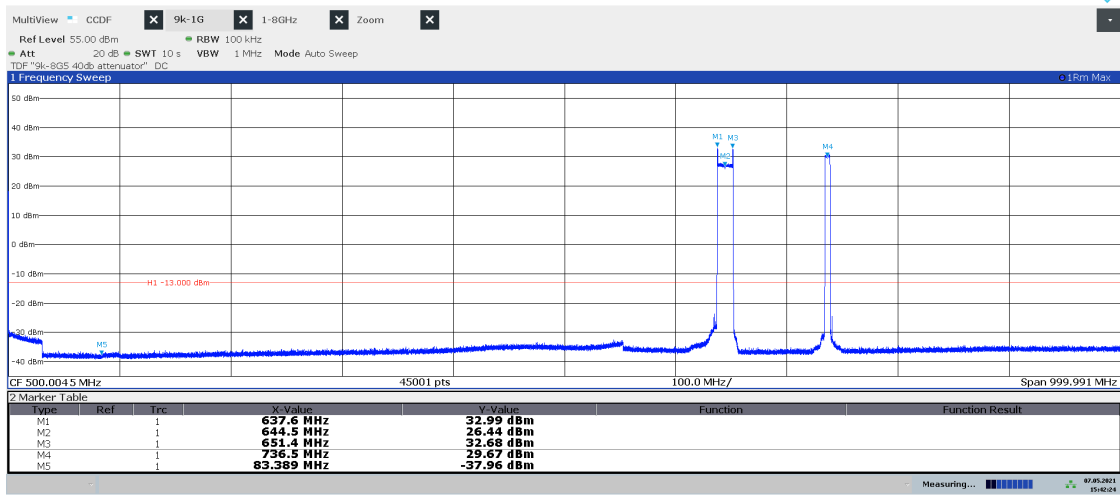


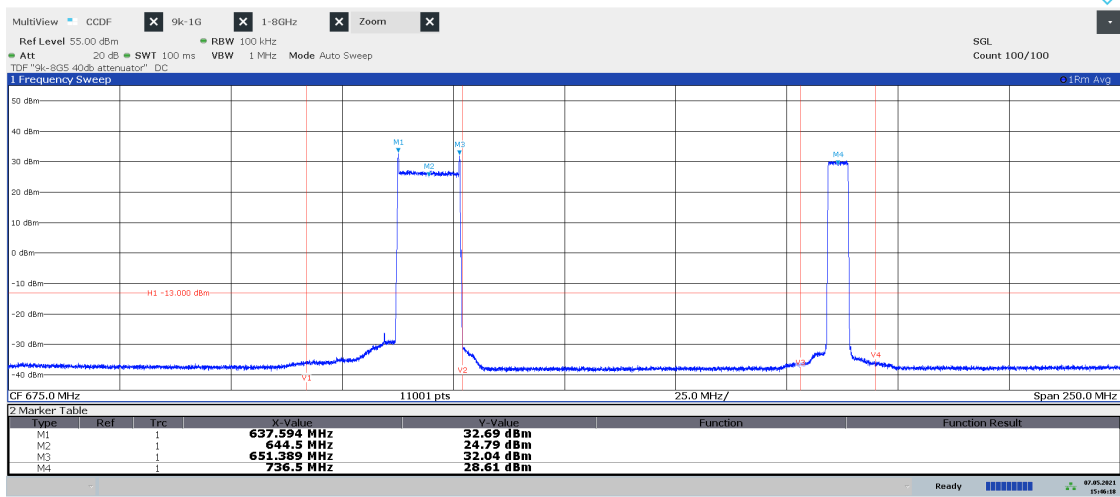


Diagram 3.34a NB IoT GB: N-TM, LTE: E-TM3.1, T15<sub>Guard</sub>, 9 kHz – 1 GHz, Port B:



15:42:24 07.05.2021

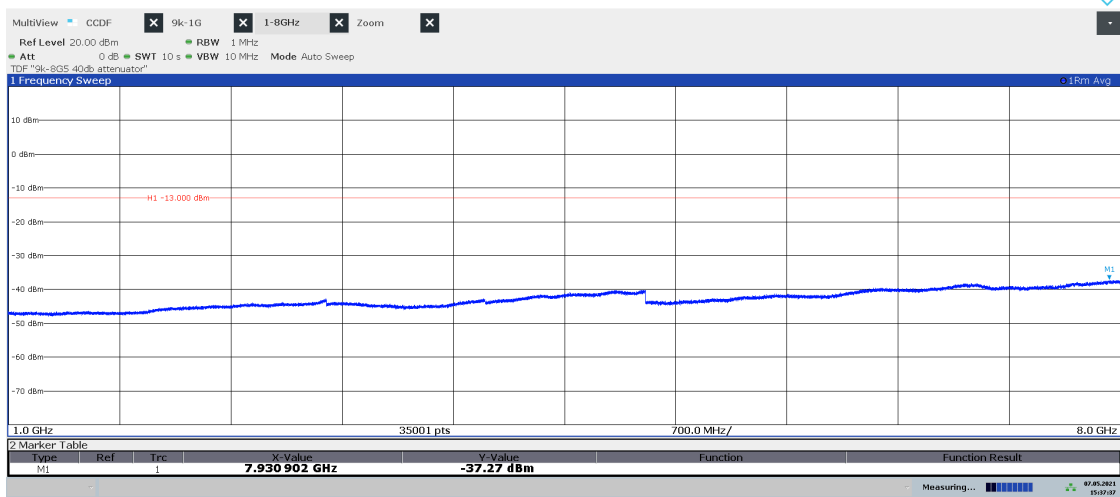
Diagram 3.34b NB IoT GB: N-TM, LTE: E-TM3.1, T15<sub>Guard</sub>, 550 – 800 MHz, Port B:



15:46:18 07.05.2021

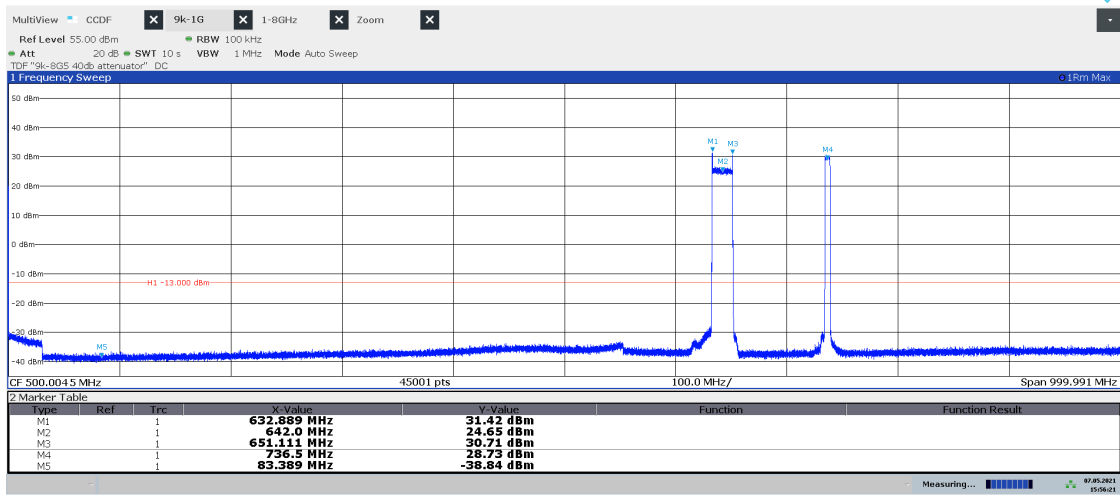
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.34c NB IoT GB: N-TM, LTE: E-TM3.1, T15<sub>Guard</sub>, 1 – 8 GHz, Port B:



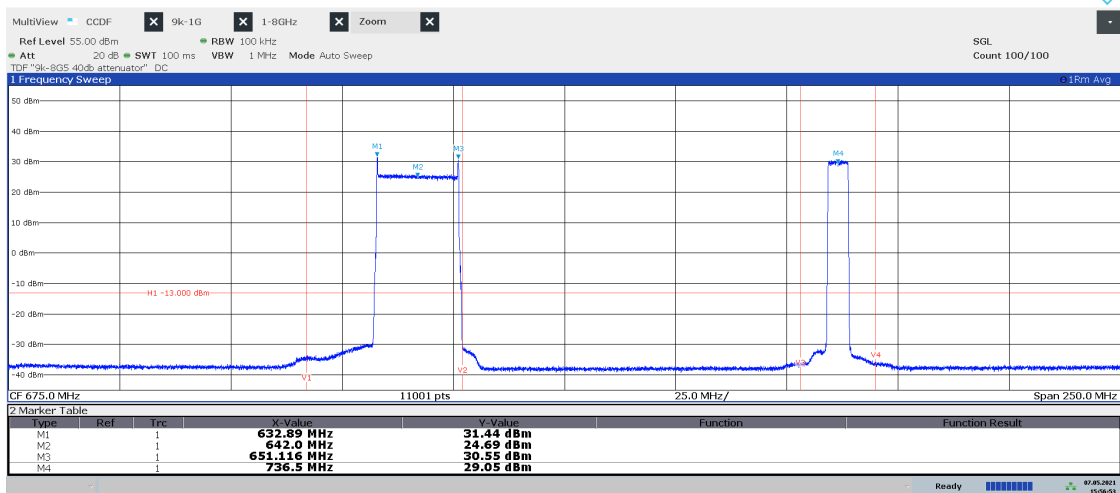
15:37:37 07.05.2021

Diagram 3.35a NB IoT GB: N-TM, LTE: E-TM3.1, T20<sub>Guard</sub>, 9 kHz – 1 GHz, Port B:



15:56:22 07.05.2021

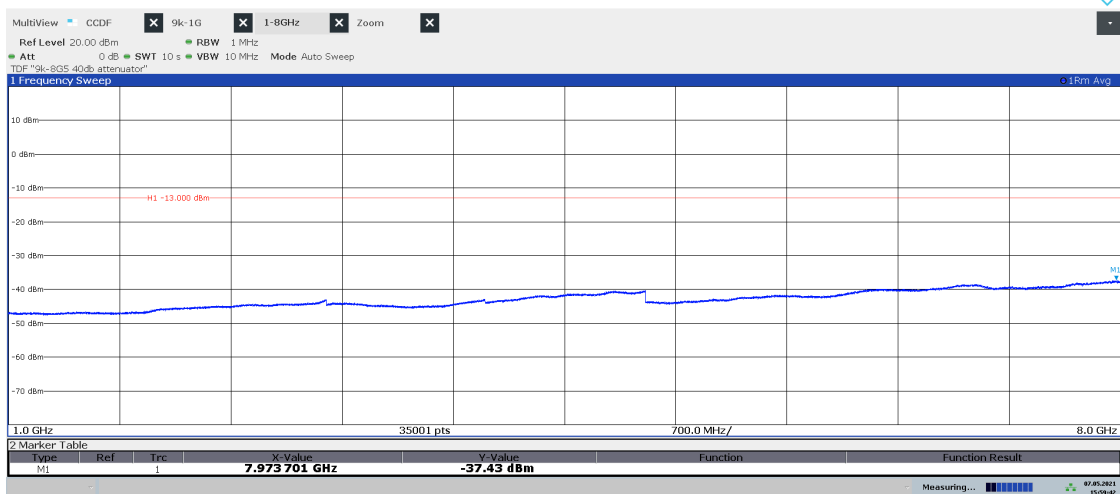
Diagram 3.35b NB IoT GB/: N-TM, LTE: E-TM3.1, T20<sub>Guard</sub>, 550 – 800 MHz, Port B:



15:56:54 07.05.2021

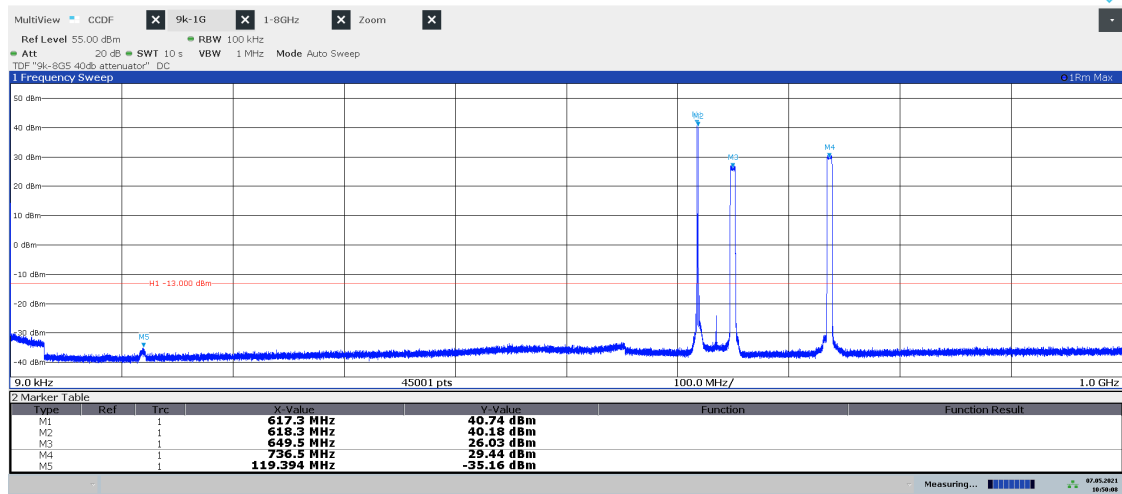
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.35c NB IoT GB: N-TM, LTE: E-TM3.1, T20<sub>Guard</sub>, 1 – 8 GHz, Port B:



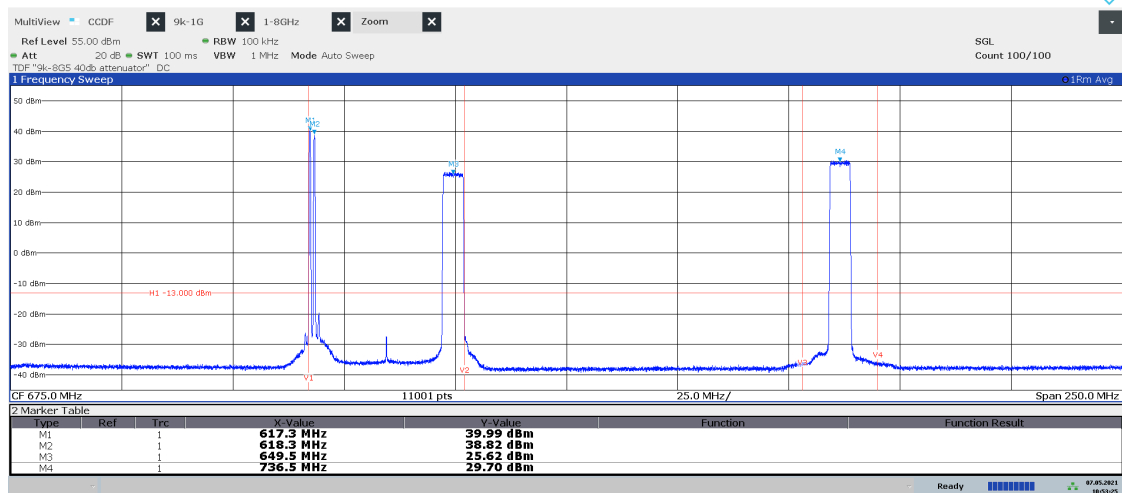
15:59:42 07.05.2021

Diagram 3.36a NB IoT SA: N-TM, LTE: E-TM3.1, Bim<sub>2IoT+L</sub>, 9 kHz – 1 GHz, Port B:



10:50:08 07.05.2021

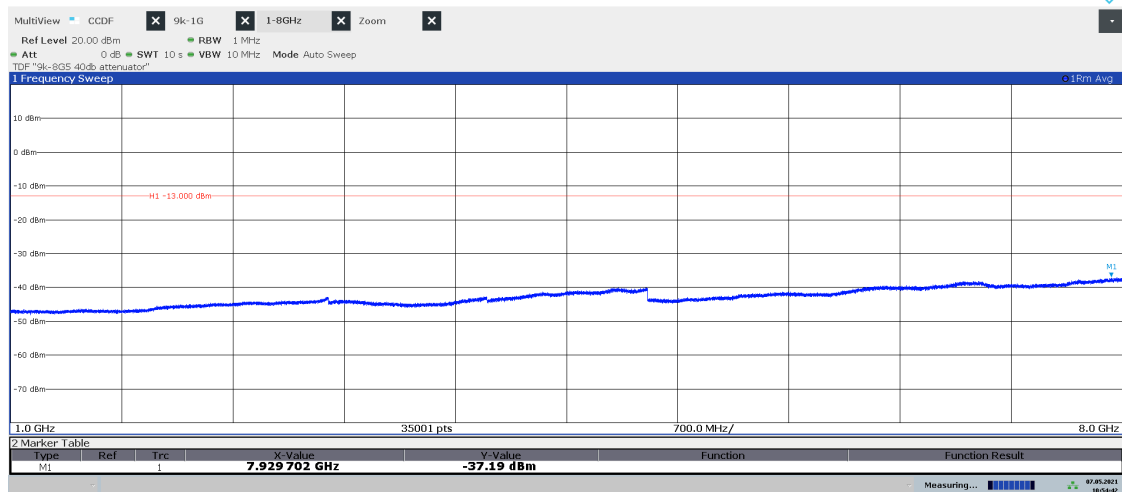
Diagram 3.36b NB IoT SA: N-TM, LTE: E-TM3.1, Bim<sub>2IoT+L</sub>, 550 – 800 MHz, Port B:



10:53:26 07.05.2021

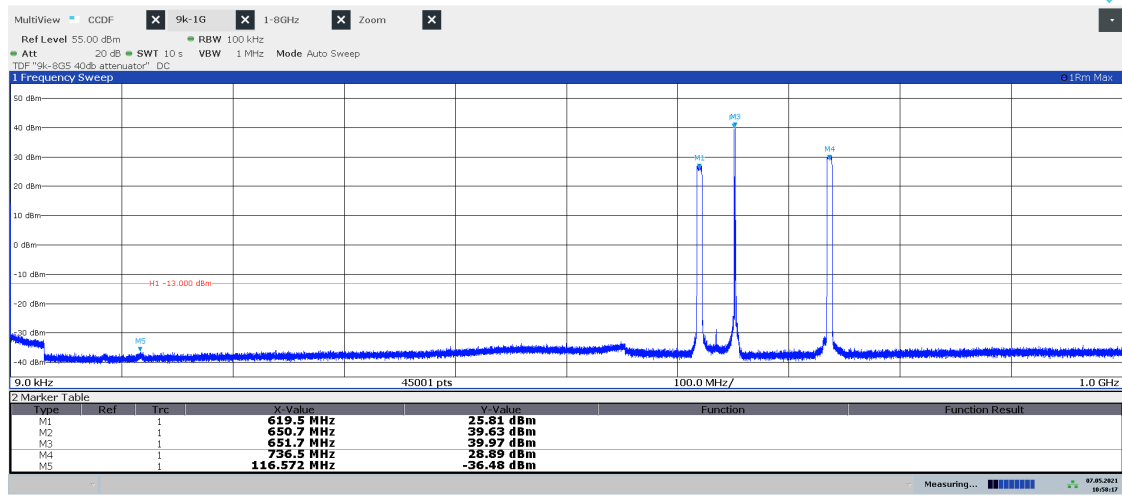
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.36c NB IoT SA: N-TM, LTE: E-TM3.1, Bim<sub>2IoT+L</sub>, 1 – 8 GHz, Port B:



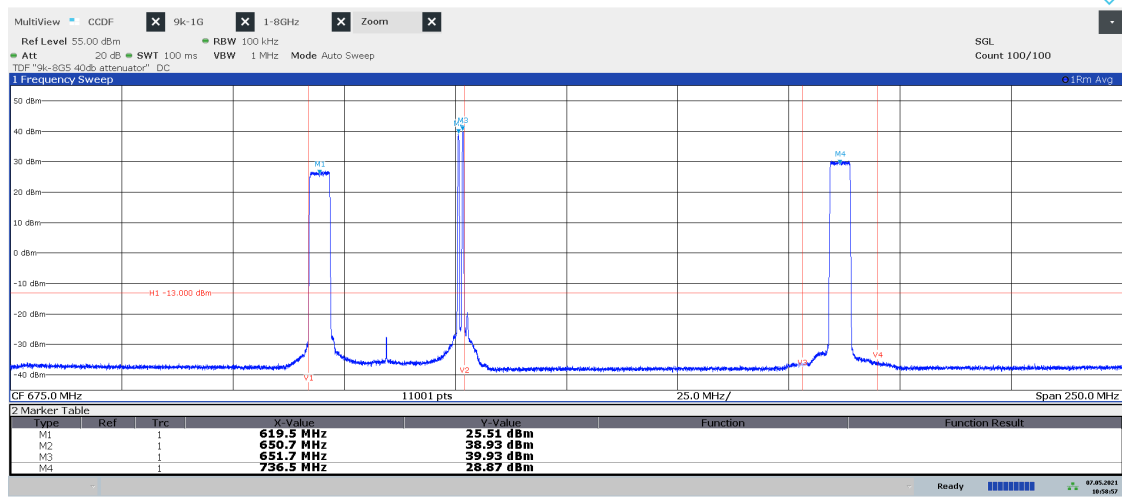
10:54:42 07.05.2021

Diagram 3.37a NB IoT SA: N-TM, LTE: E-TM3.1, Tim<sub>2IoT+L</sub>, 9 kHz – 1 GHz, Port B:



10:58:17 07.05.2021

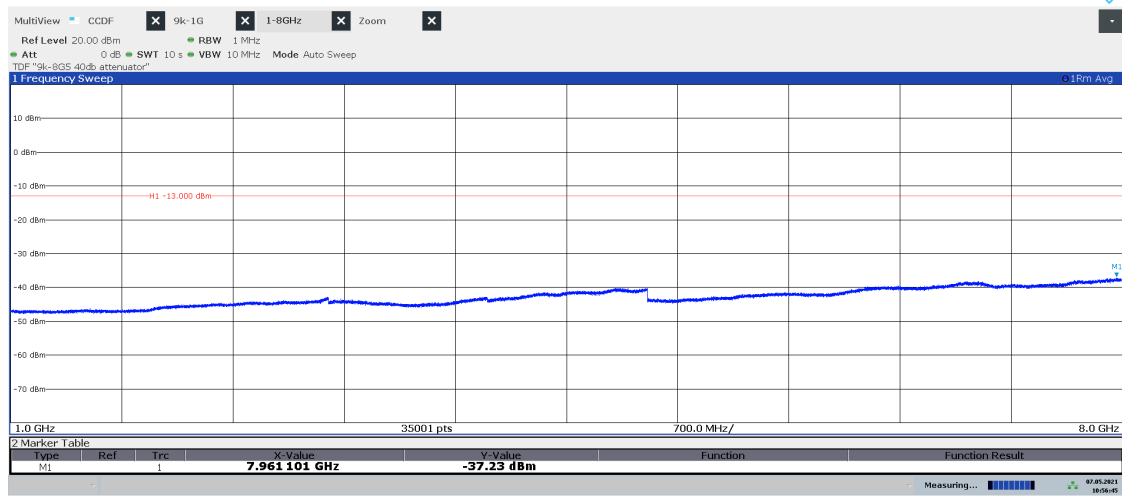
Diagram 3.37b NB IoT SA: N-TM, LTE: E-TM3.1, Tim<sub>2IoT+L</sub>, 550 – 800 MHz, Port B:



10:58:57 07.05.2021

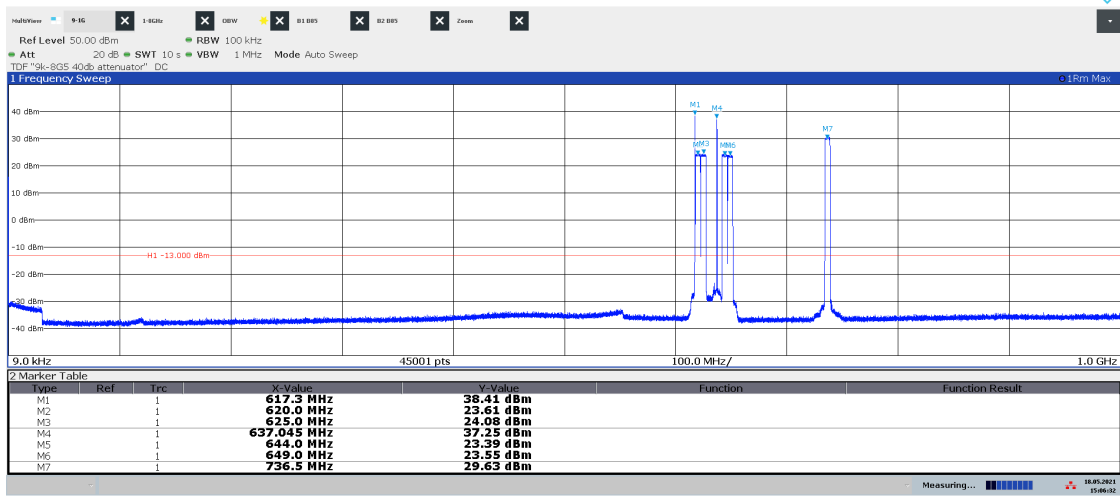
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.37c NB IoT SA: N-TM, LTE: E-TM3.1, Tim<sub>2IoT+L</sub>, 1 – 8 GHz, Port B:



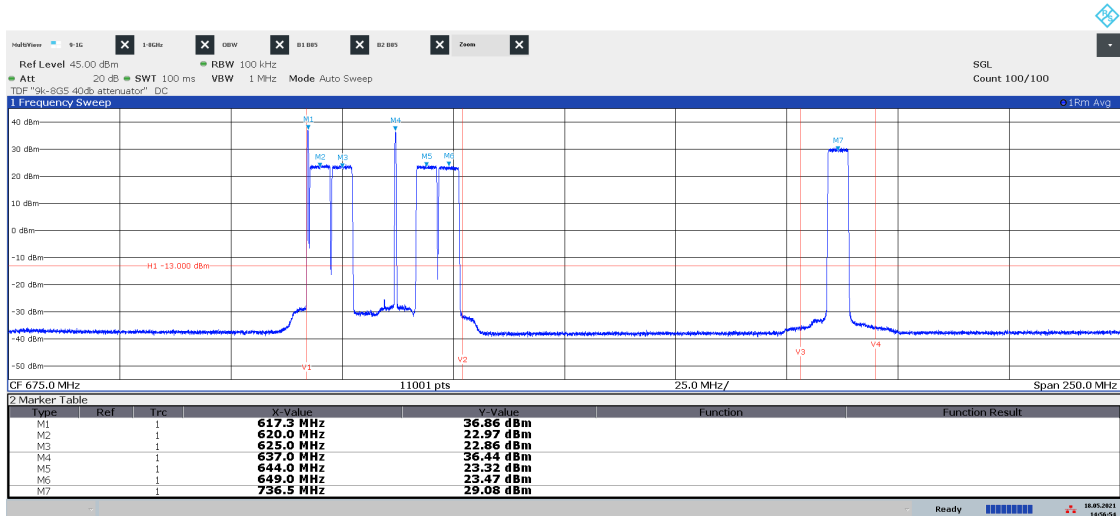
10:56:46 07.05.2021

Diagram 3.38a NB IoT SA: N-TM, LTE: E-TM1.1, NR: FR1-TM1.1,  $Max_{IoT+L+NR}$ , 9 kHz – 1 GHz, Port B:



15:06:32 18.05.2021

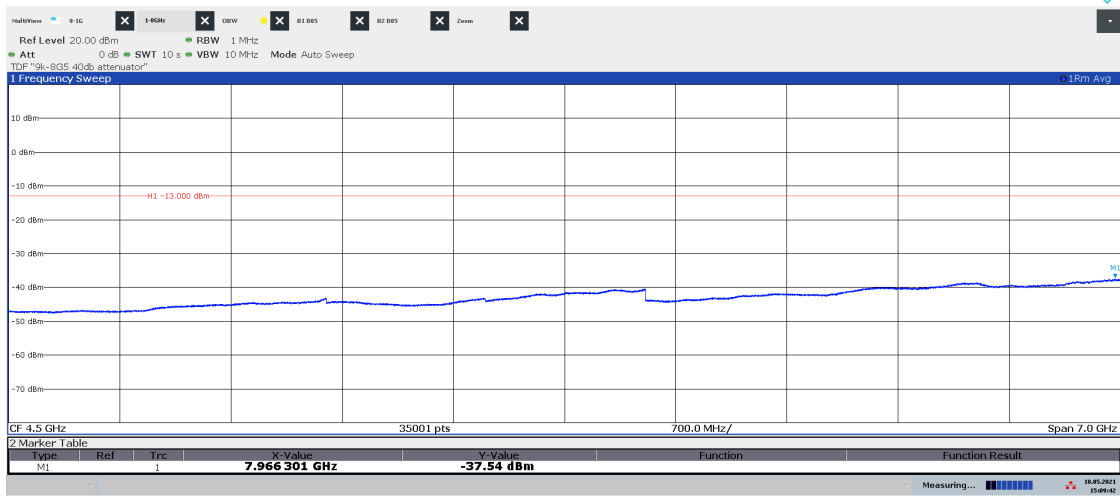
Diagram 3.38b NB IoT SA: N-TM, LTE: E-TM1.1, NR: FR1-TM1.1,  $Max_{IoT+L+NR}$ , 550 – 800 MHz, Port B:



14:56:55 18.05.2021

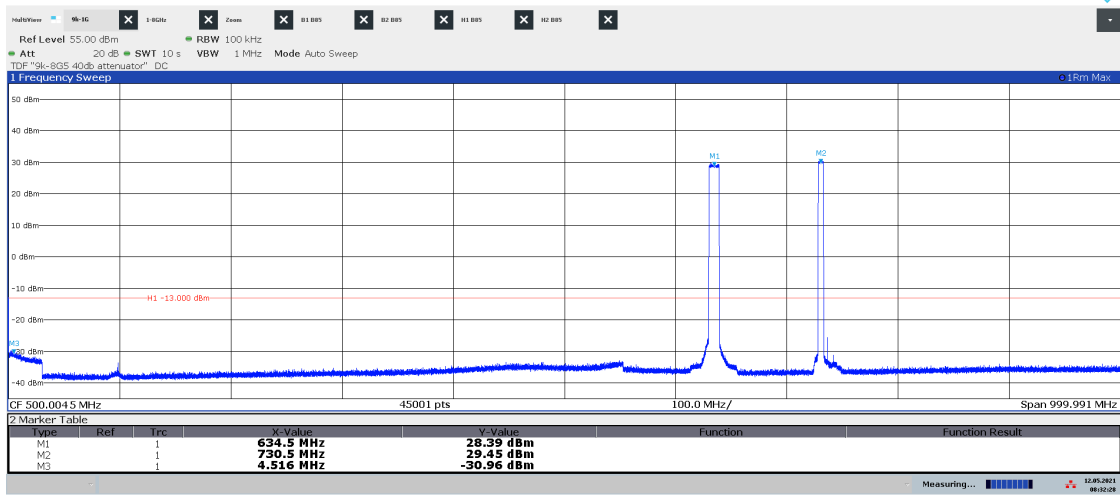
Note: The purpose of this measurement is to find IM products, not to verify compliance at the Band edges.

Diagram 3.38c NB IoT SA: N-TM, LTE: E-TM1.1, NR: FR1-TM1.1,  $\text{Max}_{\text{IoT}+\text{L}+\text{NR}}$ , 1 – 8 GHz, Port B:



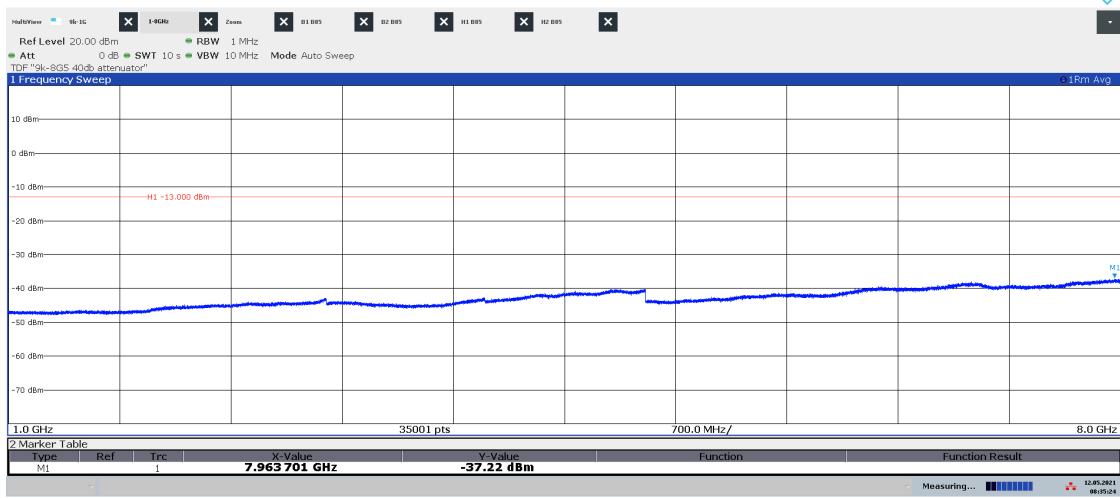
15:09:43 18.05.2021

Diagram 3.39a LTE: E-TM1.1, B<sub>SLTE</sub>, 9 kHz – 1 GHz, Port B:



08:32:28 12.05.2021

Diagram 3.39b LTE: E-TM1.1, B<sub>SLTE</sub>, 1 – 8 GHz, Port B:



08:35:24 12.05.2021

Diagram 3.40a LTE: E-TM1.1, M<sub>5LTE</sub>, 9 kHz – 1 GHz, Port B:

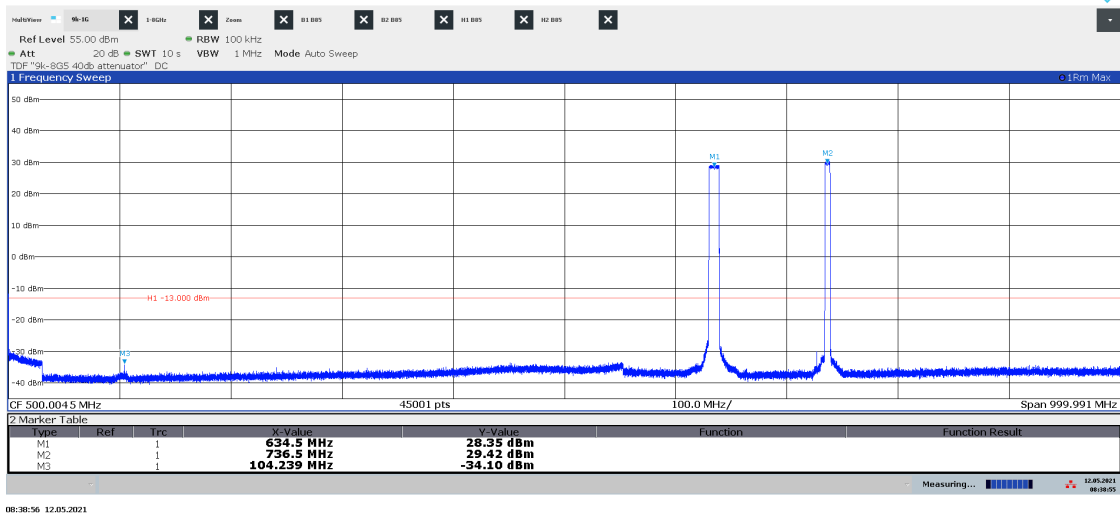


Diagram 3.40b LTE: E-TM1.1, M<sub>5LTE</sub>, 1 – 8 GHz, Port B:

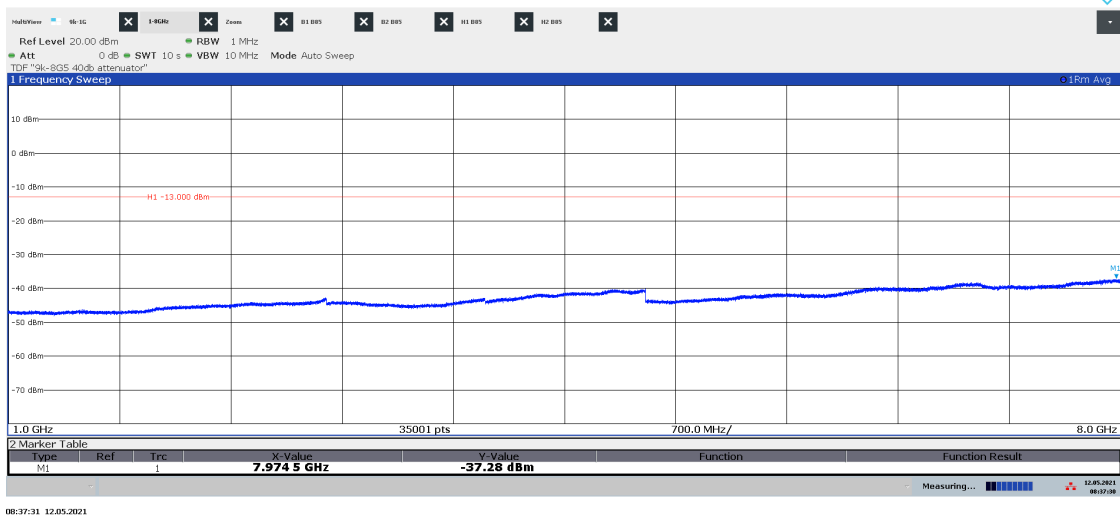
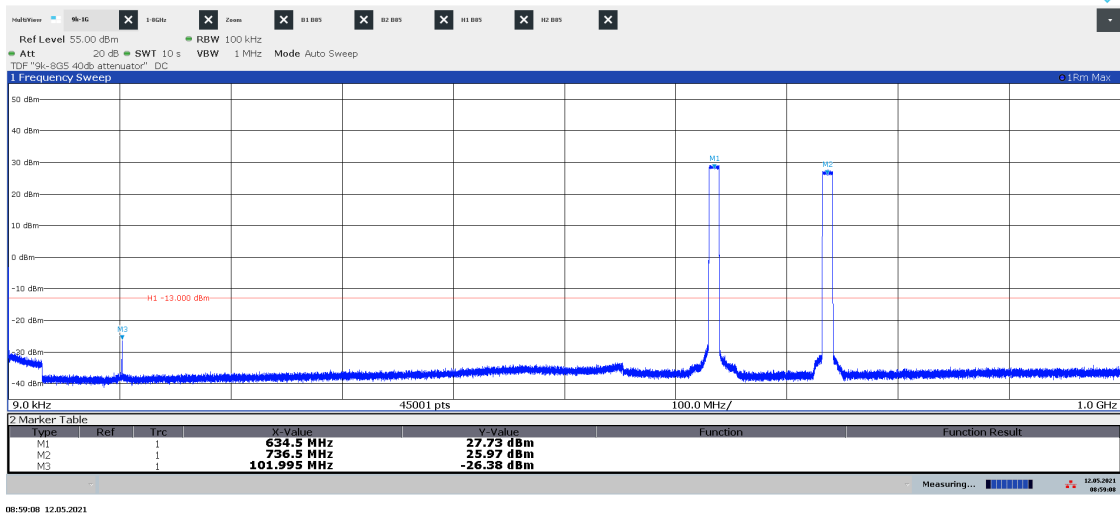


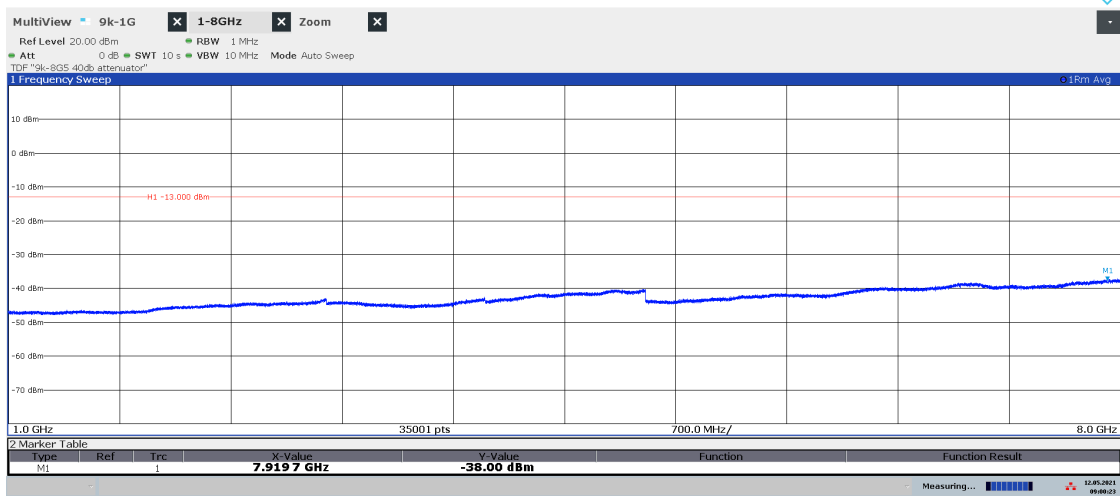


Diagram 3.41a LTE: E-TM1.1, M<sub>10LTE</sub>, 9 kHz – 1 GHz, Port A:



08:59:08 12.05.2021

Diagram 3.41b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port A:



09:00:23 12.05.2021

Diagram 3.42a LTE: E-TM1.1, M<sub>10LTE</sub>, 9 kHz – 1 GHz, Port B:

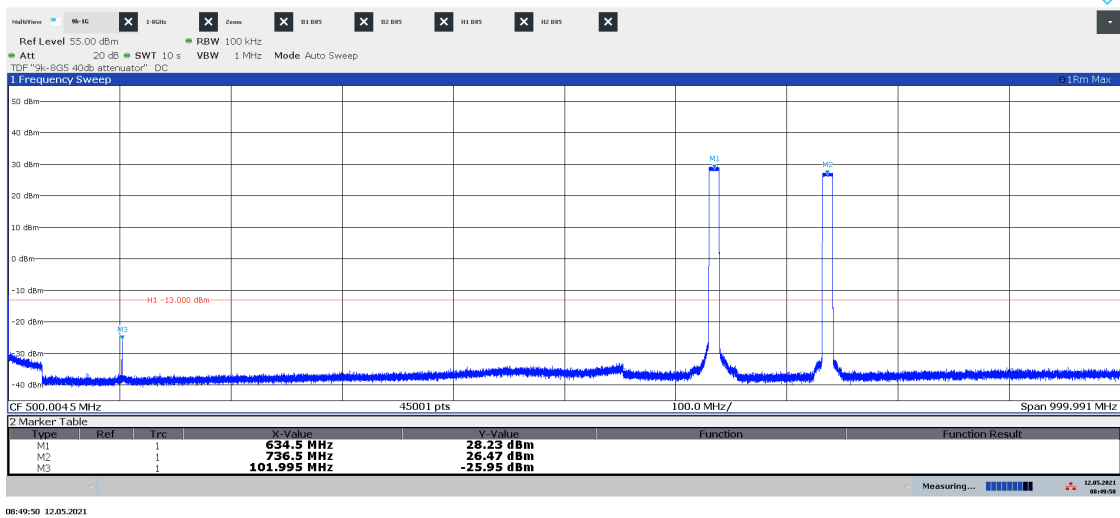


Diagram 3.42b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port B:

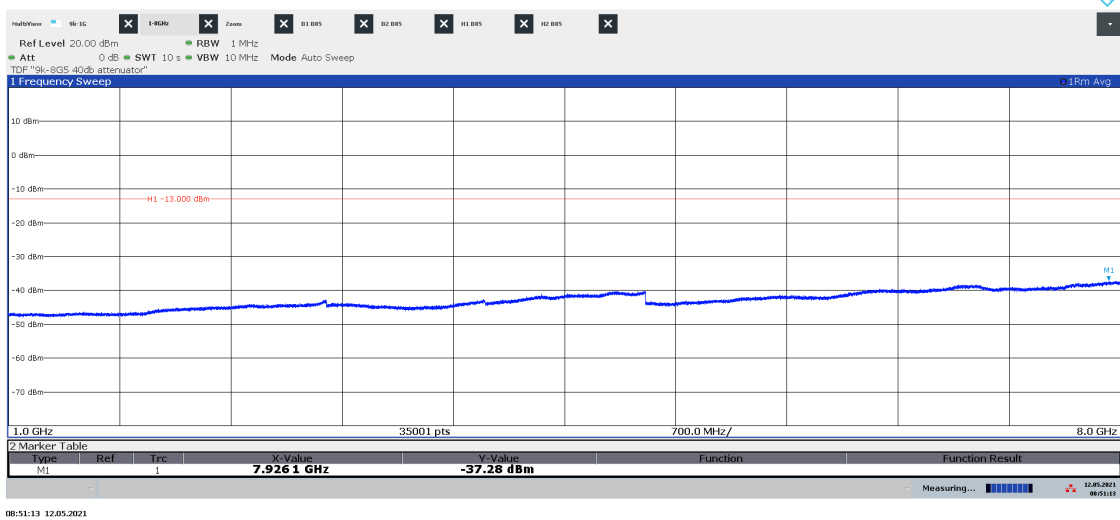
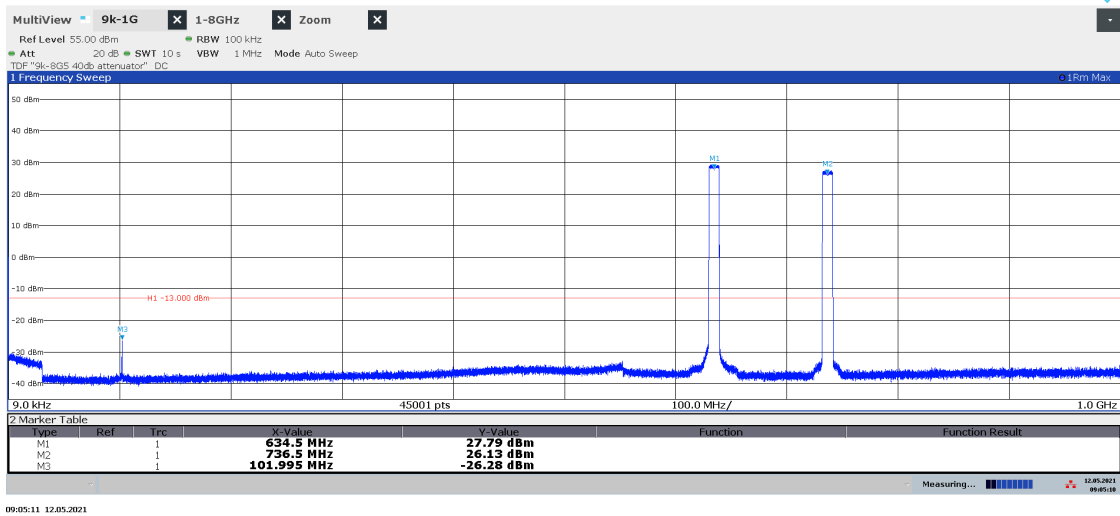
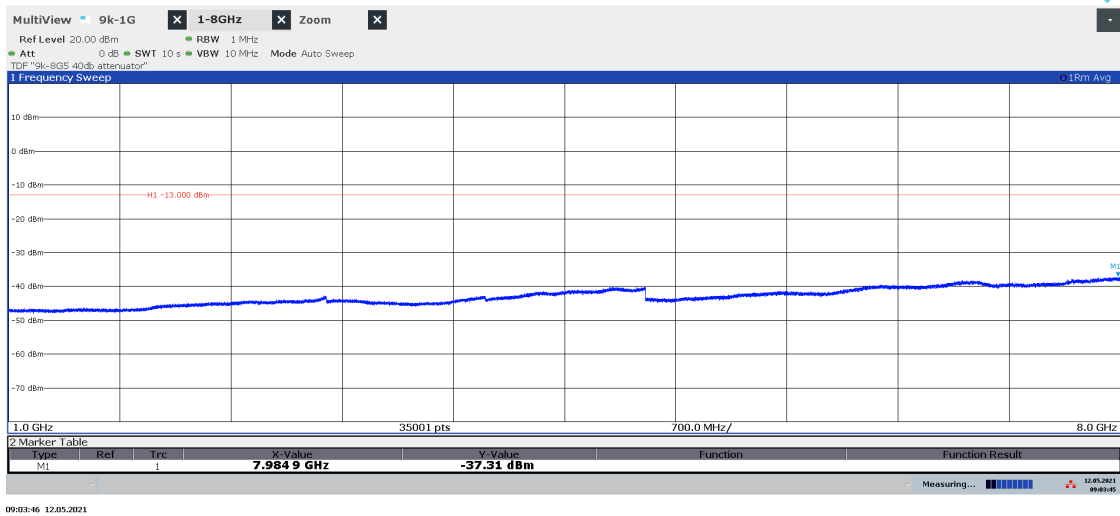


Diagram 3.43a LTE: E-TM1.1, M<sub>10LTE</sub>, 9 kHz – 1 GHz, Port C:



09:05:11 12.05.2021

Diagram 3.43b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port C:



09:03:46 12.05.2021

Diagram 3.44a LTE: E-TM1.1, M<sub>10LTE</sub>, 9 kHz – 1 GHz, Port D:

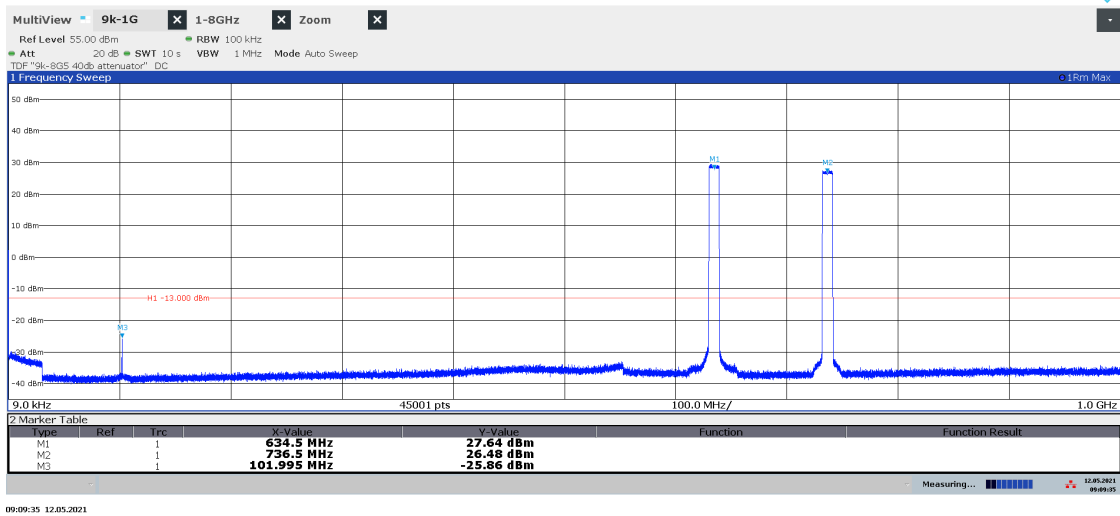


Diagram 3.44b LTE: E-TM1.1, M<sub>10LTE</sub>, 1 – 8 GHz, Port D:

