

Band edge measurements according to CFR 47 §24.238 and §27.53/ RSS-133 6.5, RSS-139 6.6

Date	Temperature	Humidity
2020-02-27	24 °C ± 3 °C	13 % ± 5 %
2020-03-02	23 °C ± 3 °C	18 % ± 5 %
2020-03-10	23 °C ± 3 °C	18 % ± 5 %
2020-03-12	23 °C ± 3 °C	19 % ± 5 %
2020-03-23	23 °C ± 3 °C	18 % ± 5 %
2020-04-01	24 °C ± 3 °C	16 % ± 5 %
2020-04-02	23 °C ± 3 °C	17 % ± 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, 5.7.3. The test object was connected to a spectrum analyzer with the RMS detector activated.

A RBW of 1% of EBW may be used up to 1 MHz away from the band edges. A smaller resolution bandwidth is permitted provided that the measured power is integrated over the full required measurement bandwidth.

From 1 MHz to 30 MHz away from the band edges a RBW of 100 kHz was used. To compensate for the reduced RBW the limit was adjusted by 10 dB to -23 dBm in this frequency range.

A RBW 1% of EBW was used up to 1 MHz away from the band edges. A smaller resolution bandwidth is permitted provided that the measured power is integrated over the full required measurement bandwidth. Where a smaller RBW was used the limit in the plot is adjusted by $10 \log (RBW_{used}/RBW_{specified})$ [dB] according to the following table:

Carrier BW:	RBW _{used}	RBW _{specified} (1% of EBW)	Limit correction	Adjusted limit
10 MHz	50 kHz	97.7 kHz	-2.91 dBm	-15.91 dBm
15 MHz	100 kHz	147 kHz	-1.67 dBm	-14.67 dBm

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

Measurement equipment	RISE number
R&S FSW 43	902 073
Directional coupler	901 496
RF attenuator	902 282
Coaxial cable Megaphase	BX50191
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
2.1 a-b	$B_{1.4}$	RF A
2.2 a-b	B_3	RF A
2.3 a-b	B_3	RF B
2.4 a-b	B_3	RF C
2.5 a-b	B_3	RF D
2.6 a-b	B_5	RF A
2.7 a-b	B_{10}	RF A
2.8 a-b	B_{15}	RF A
2.9 a-b	B_{20}	RF A
2.10 a-b	$T_{1.4}$	RF A
2.11 a-b	T_3	RF A
2.12 a-b	T_3	RF B
2.13 a-b	T_3	RF C
2.14 a-b	T_3	RF D
2.15 a-b	T_5	RF A
2.16 a-b	T_{10}	RF A
2.17 a-b	T_{15}	RF A
2.18 a-b	T_{20}	RF A

Multi carrier E-TM1.1

Diagram	Symbolic name	Tested Port
2.19 a-b	B_{im3}	RF A
2.20 a-b	T_{im3}	RF A

B2 max power configuration:

Single carrier E-TM1.1

Diagram	Symbolic name	Tested Port
2.21 a-b	$T_{1.4}$	RF A
2.22 a-b	T_3	RF A
2.23 a-b	T_3	RF B
2.24 a-b	T_3	RF C
2.25 a-b	T_3	RF D
2.26 a-b	T_5	RF A
2.27 a-b	T_{10}	RF A
2.28 a-b	T_{15}	RF A
2.29 a-b	T_{20}	RF A

B66 max power configuration:

Single carrier E-TM1.1

Diagram	Symbolic name	Tested Port
2.30 a-b	B ₅	RF A
2.31 a-b	B ₅	RF B
2.32 a-b	B ₅	RF C
2.33 a-b	B ₅	RF D
2.34 a-b	B ₁₀	RF B
2.35 a-b	B ₁₅	RF B
2.36 a-b	B ₂₀	RF B
2.37 a-b	T ₅	RF A
2.38 a-b	T ₅	RF B
2.39 a-b	T ₅	RF C
2.40 a-b	T ₅	RF D
2.41 a-b	T ₁₀	RF B
2.42 a-b	T ₁₅	RF B
2.43 a-b	T ₂₀	RF B

Multi carrier E-TM1.1

Diagram	Symbolic name	Tested Port
2.44 a-b	Bim ₅	RF B
2.45 a-b	Tim ₅	RF B

Results GSM
B2 max power configuration:

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

Diagram	Symbolic name	Tested Port
2.46 a-b	B _{G+L}	RF A
2.47 a-b	T _{G+L}	RF A

Multi RAT GSM: AQPSK, LTE: E-TM1.1

Diagram	Symbolic name	Tested Port
2.48 a-b	B _{G+L}	RF A
2.49 a-b	T _{G+L}	RF A

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

Diagram	Symbolic name	Tested Port
2.50 a-b	B _{G+L}	RF A
2.51 a-b	T _{G+L}	RF A

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

Diagram	Symbolic name	Tested Port
2.52 a-b	B _{imG+L}	RF A
2.53 a-b	B _{imG+L}	RF B
2.54 a-b	B _{imG+L}	RF C
2.55 a-b	B _{imG+L}	RF D
2.56 a-b	T _{imG+L}	RF A
2.57 a-b	T _{imG+L}	RF B
2.58 a-b	T _{imG+L}	RF C
2.59 a-b	T _{imG+L}	RF D

Results NB IoT SA/ GB**B25 max power configuration:**

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

Diagram	Symbolic name	Tested Port
2.60 a-b	B _{IoT+L}	RF A
2.61 a-b	T _{IoT+L}	RF A

LTE with NB IoT GB: NB IoT GB: N-TM, LTE: E-TM3.1

Diagram	Symbolic name	Tested Port
2.62 a-b	B _{10Guard}	RF A
2.63 a-b	B _{15Guard}	RF A
2.64 a-b	B _{20Guard}	RF A
2.65 a-b	T _{10Guard}	RF A
2.66 a-b	T _{15Guard}	RF A
2.67 a-b	T _{20Guard}	RF A

B66 max power configuration:

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

Diagram	Symbolic name	Tested Port
2.68 a-b	B _{IoT+L}	RF B
2.69 a-b	T _{IoT+L}	RF B

LTE with NB IoT GB: NB IoT GB: N-TM, LTE: E-TM3.1

Diagram	Symbolic name	Tested Port
2.70 a-b	B _{10Guard}	RF B
2.71 a-b	B _{15Guard}	RF B
2.72 a-b	B _{20Guard}	RF B
2.73 a-b	T _{10Guard}	RF B
2.74 a-b	T _{15Guard}	RF B
2.75 a-b	T _{20Guard}	RF B

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

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

Diagram	Symbolic name	Tested Port
2.76 a-b	Bim _{G+IoT+L}	RF A
2.77 a-b	Tim _{G+IoT+L}	RF A

The diagrams are shown on the following pages.

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
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Diagram 2.1a, E-TM1.1, B_{1,4}, Port A:

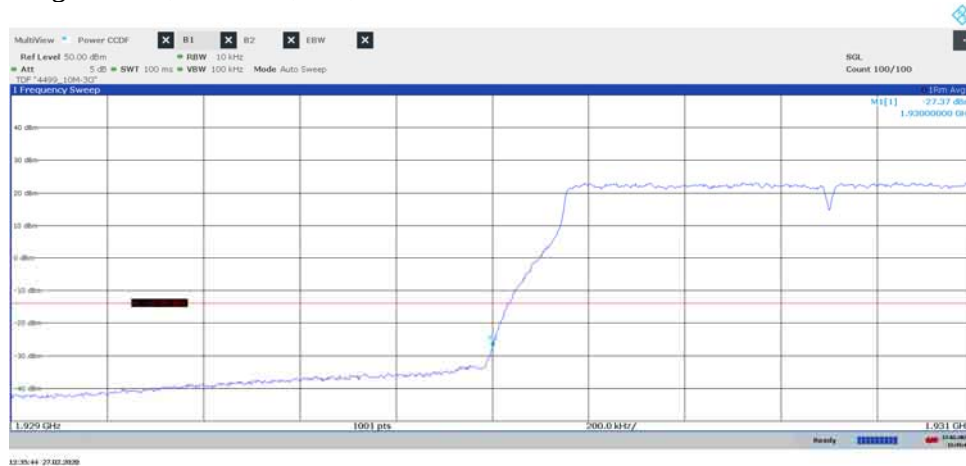


Diagram 2.1b, E-TM1.1, B_{1,4}, Port A:



Diagram 2.2a, E-TM1.1, B₃, Port A:

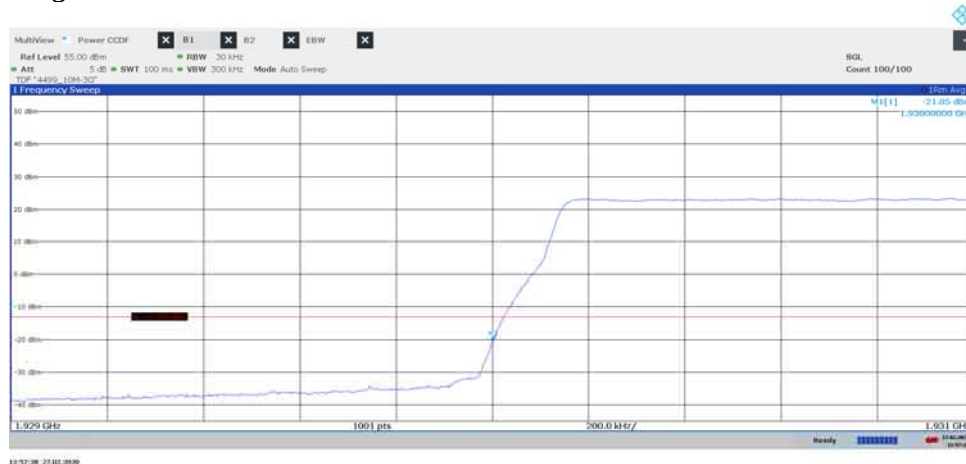


Diagram 2.2b, E-TM1.1, B₃, Port A:

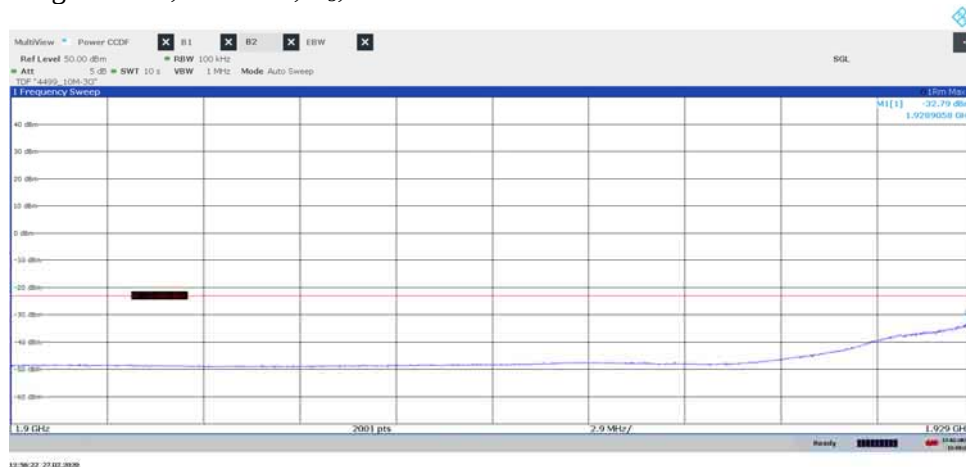


Diagram 2.3a, E-TM1.1, B₃, Port B:

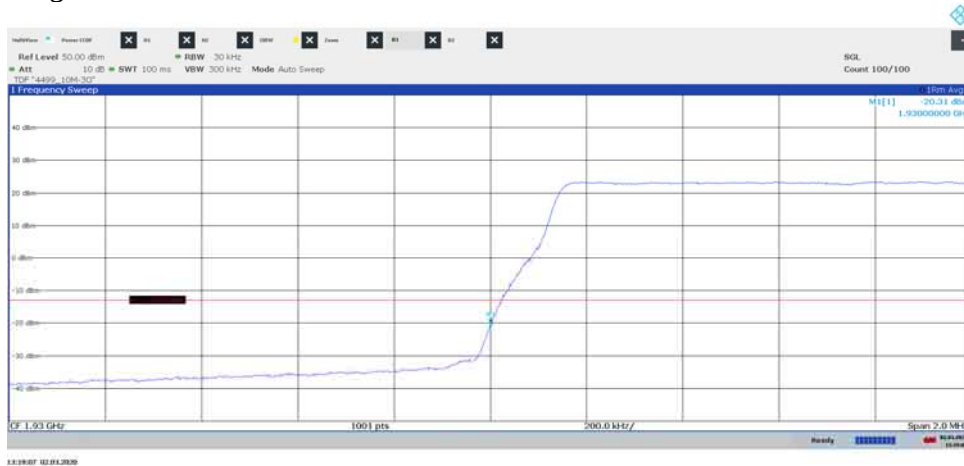


Diagram 2.3b, E-TM1.1, B₃, Port B:

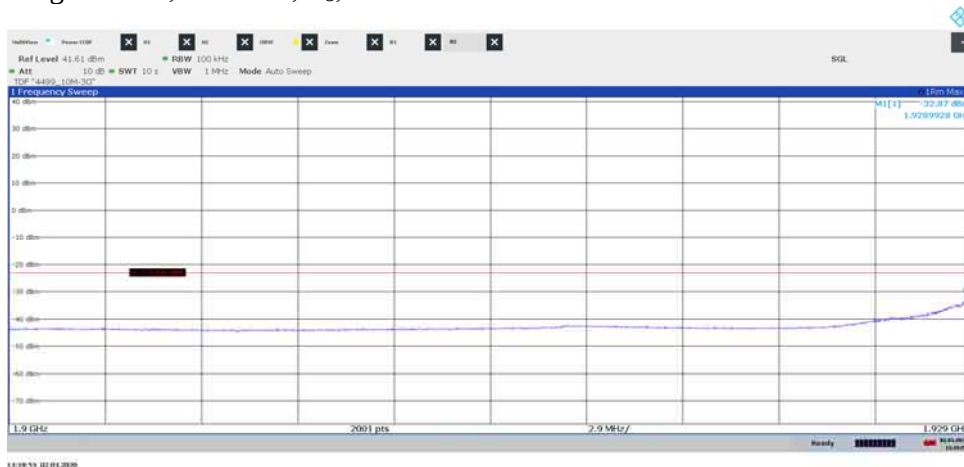


Diagram 2.4a, E-TM1.1, B₃, Port C:

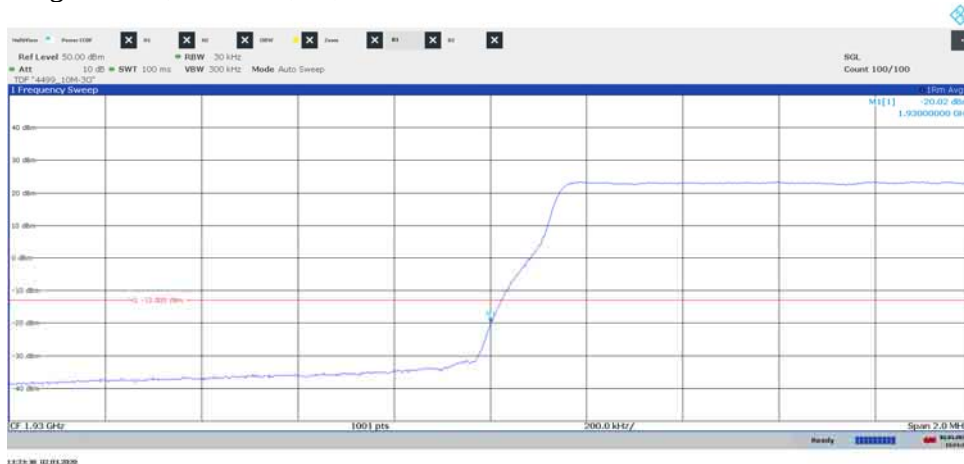


Diagram 2.4b, E-TM1.1, B₃, Port C:

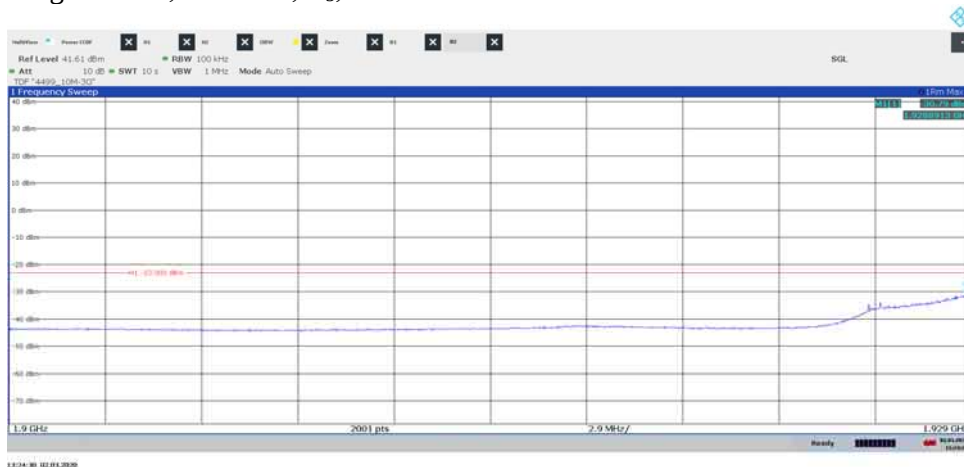


Diagram 2.5a, E-TM1.1, B₃, Port D:

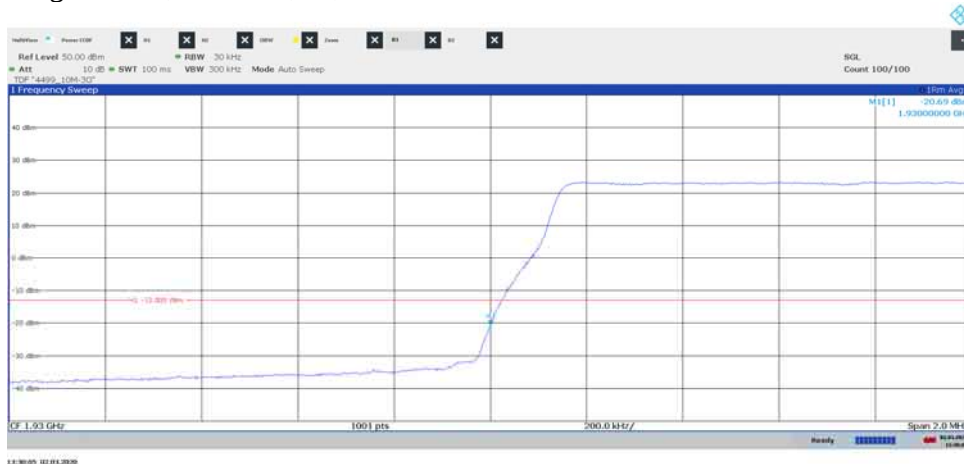


Diagram 2.5b, E-TM1.1, B₃, Port D:

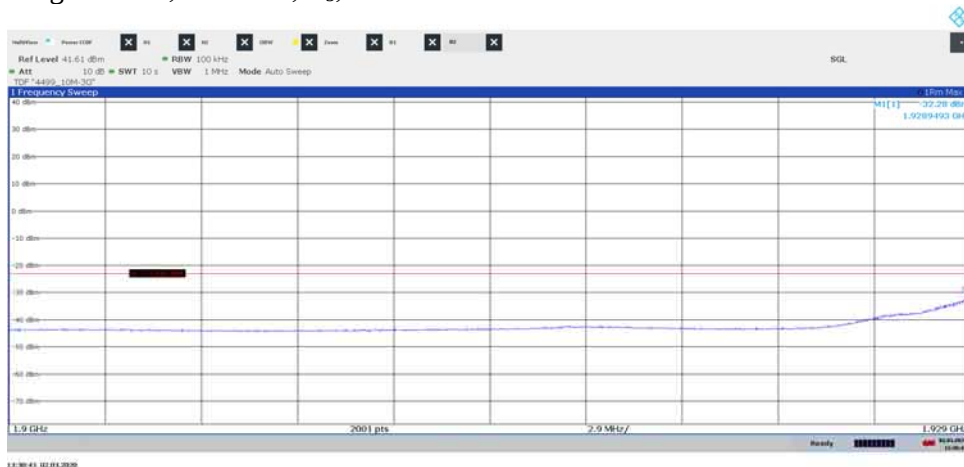


Diagram 2.6a, E-TM1.1, B₅, Port A:

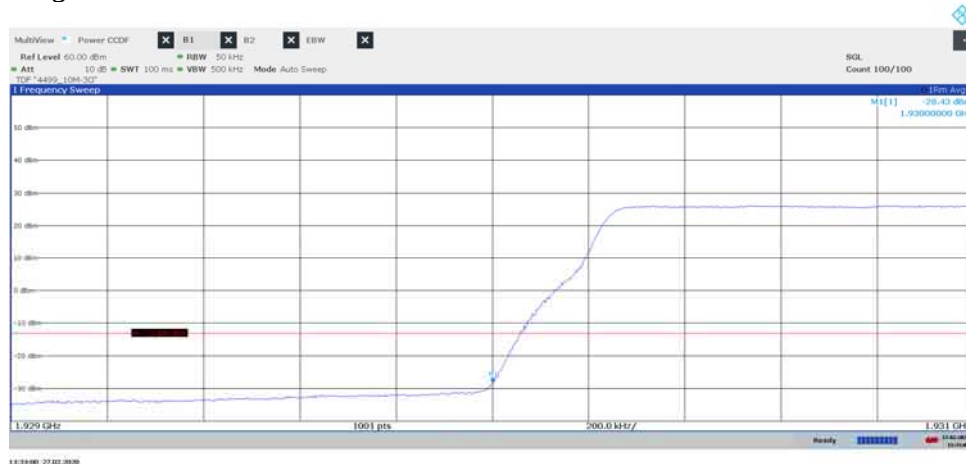


Diagram 2.6b, E-TM1.1, B₅, Port A:

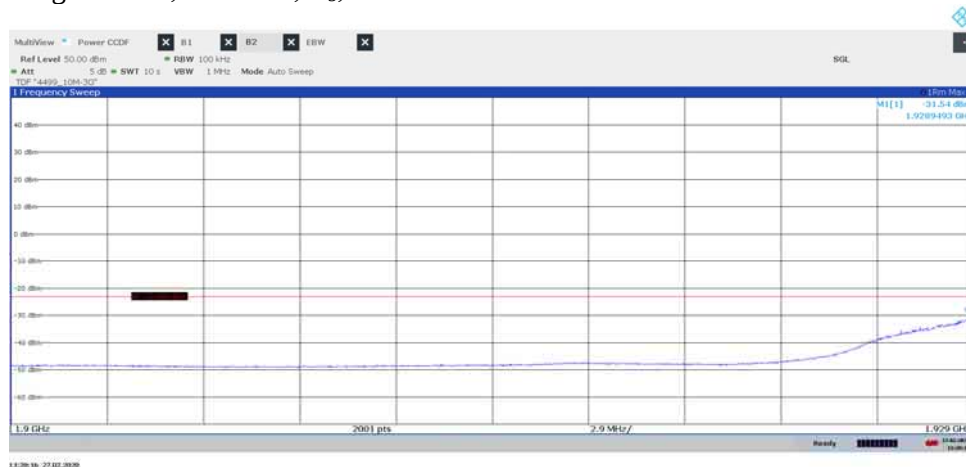


Diagram 2.7a, E-TM1.1, B₁₀, Port A:

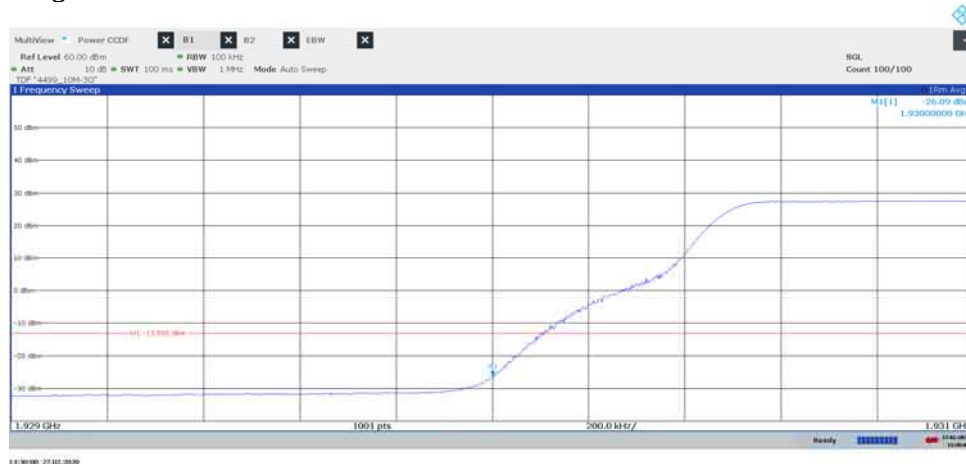


Diagram 2.7b, E-TM1.1, B₁₀, Port A:

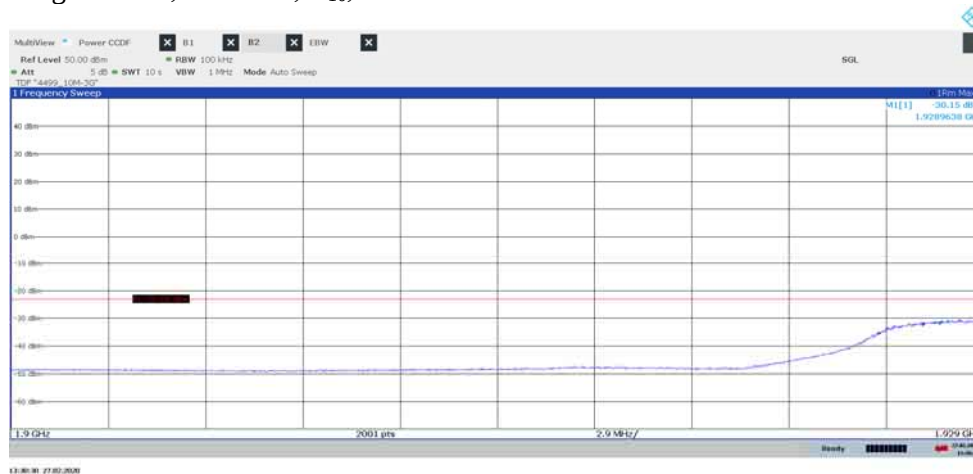




Diagram 2.9a, E-TM1.1, B₂₀, Port A:

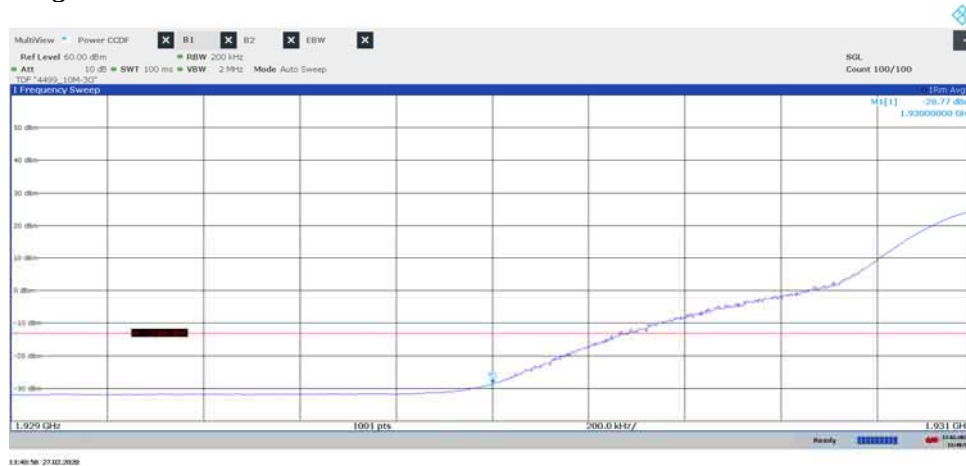


Diagram 2.9b, E-TM1.1, B₂₀, Port A:

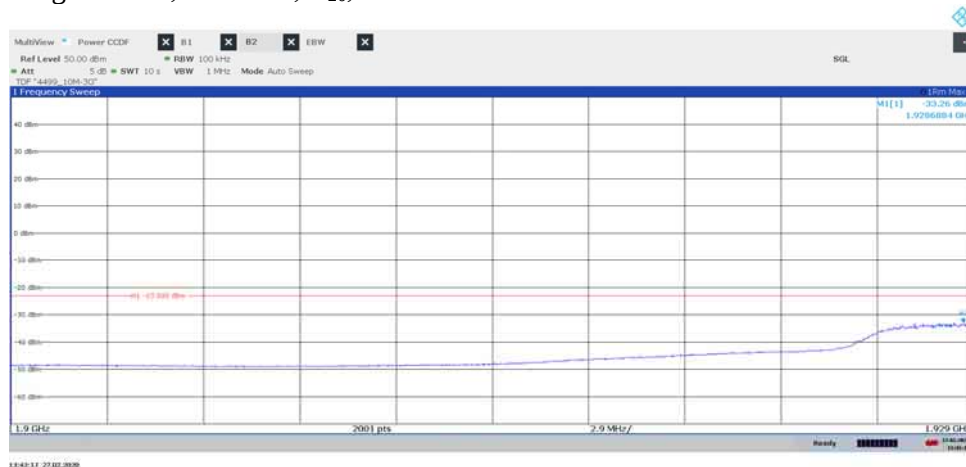




Diagram 2.11a, E-TM1.1, T₃, Port A:

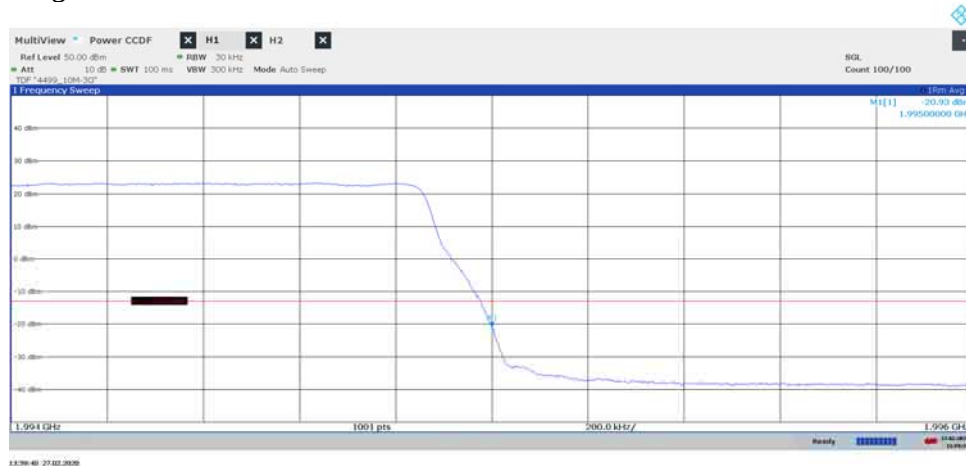


Diagram 2.11b, E-TM1.1, T₃, Port A:



Diagram 2.12a, E-TM1.1, T₃, Port B:

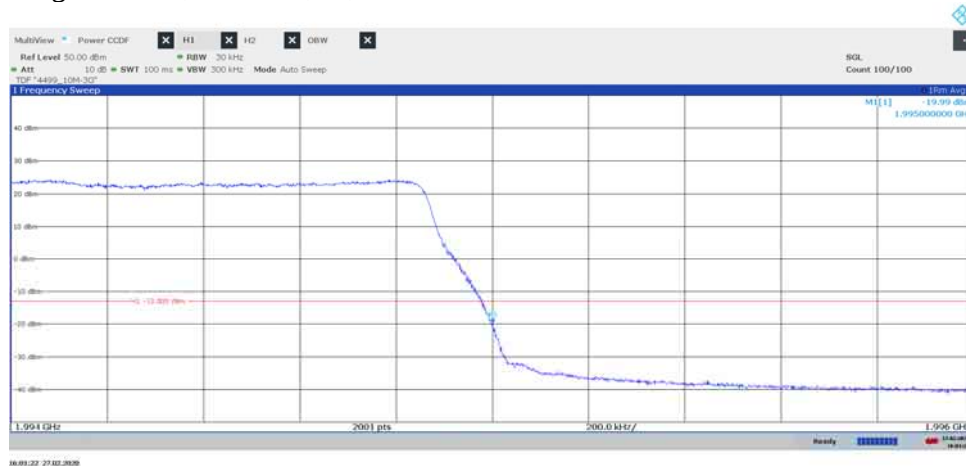


Diagram 2.12b, E-TM1.1, T₃, Port B:

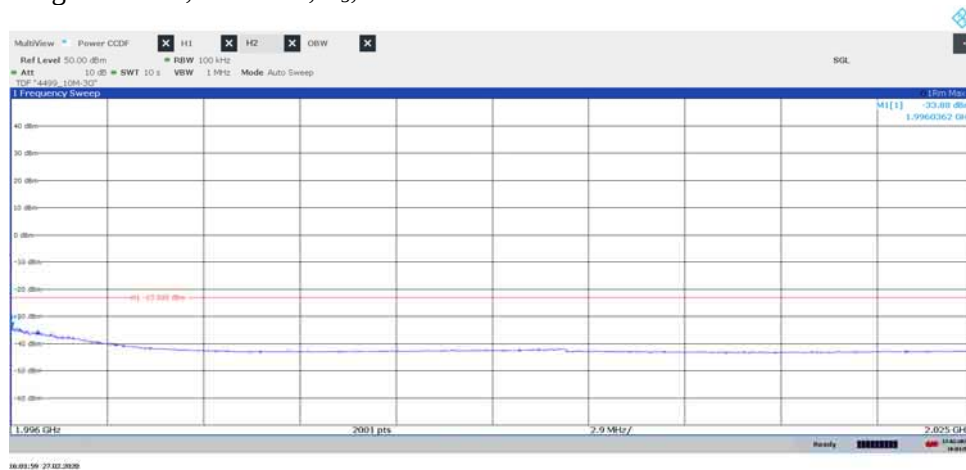


Diagram 2.13a, E-TM1.1, T₃, Port C:

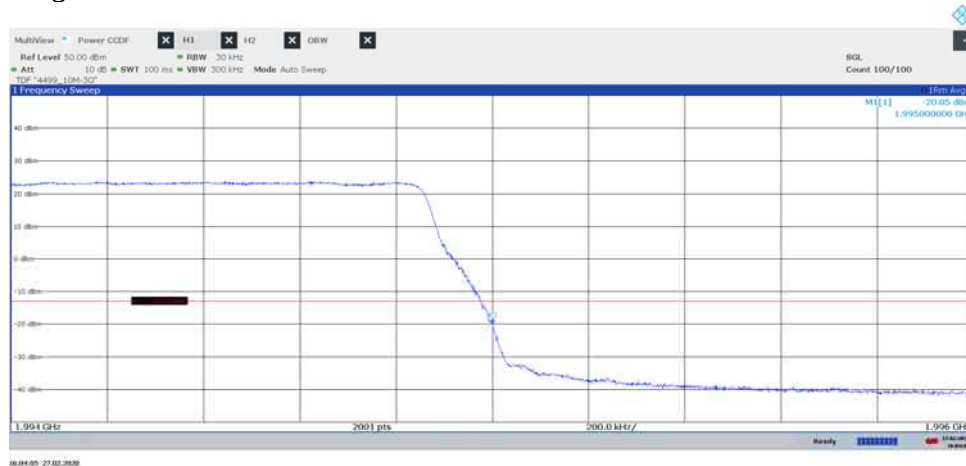


Diagram 2.13b, E-TM1.1, T₃, Port C:

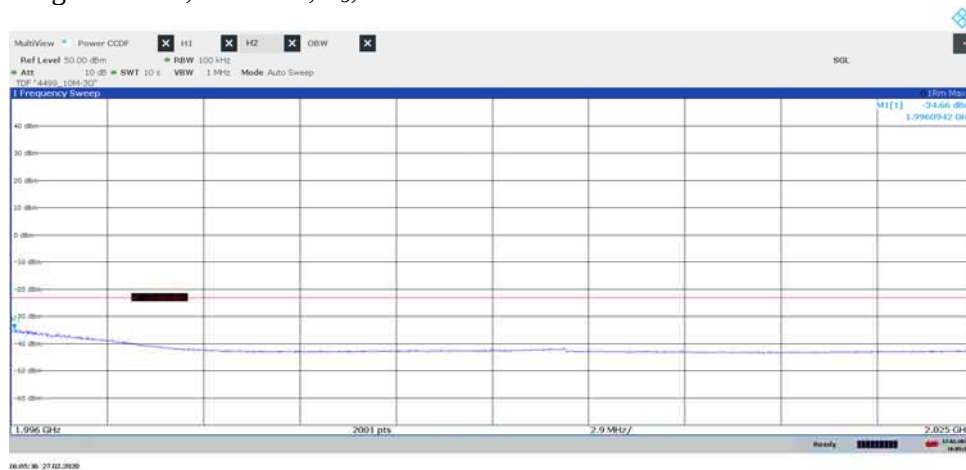


Diagram 2.14a, E-TM1.1, T₃, Port D:

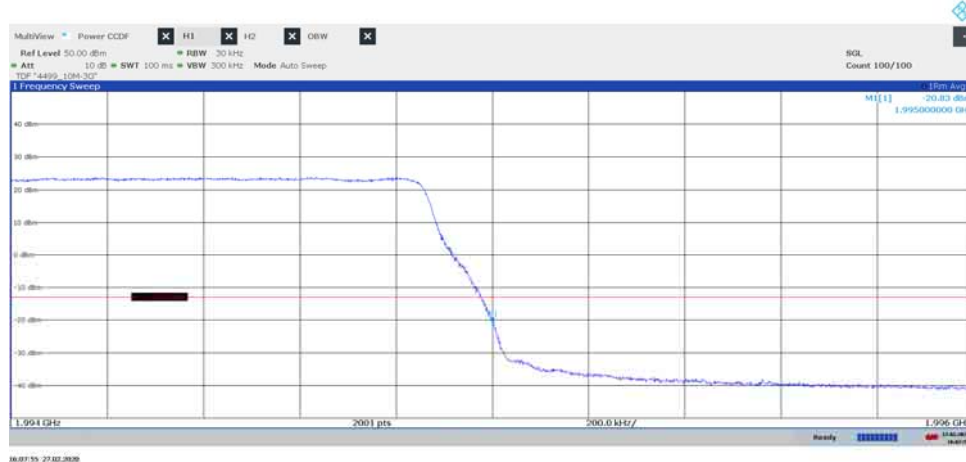


Diagram 2.14b, E-TM1.1, T₃, Port D:

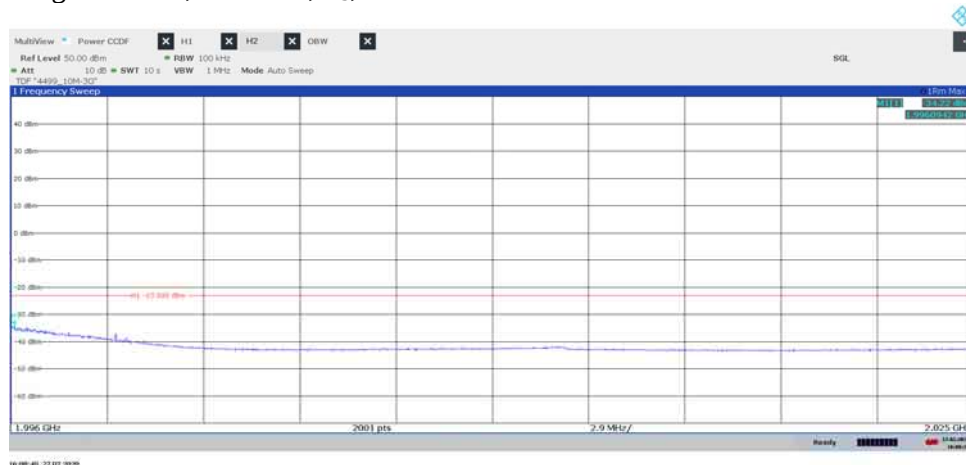


Diagram 2.15a, E-TM1.1, T₅, Port A:

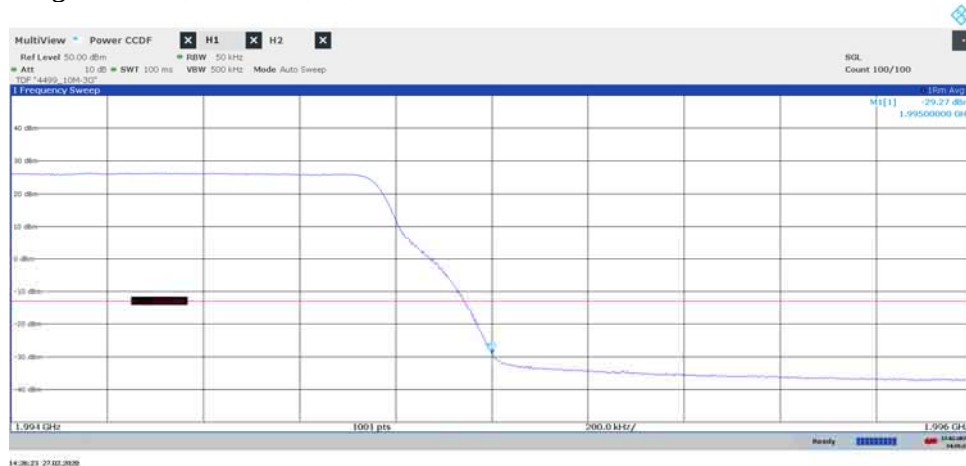


Diagram 2.15b, E-TM1.1, T₅, Port A:



Diagram 2.16a, E-TM1.1, T_{10} , Port A:

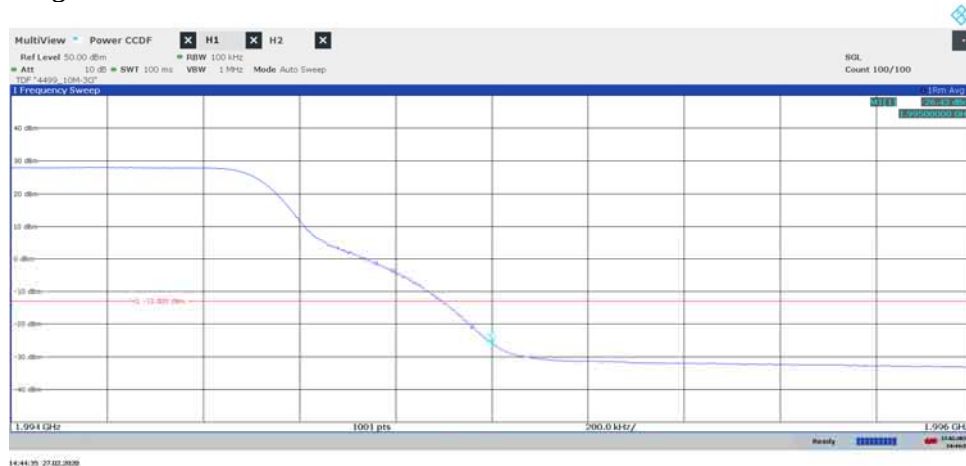


Diagram 2.16b, E-TM1.1, T_{10} , Port A:



Diagram 2.17a, E-TM1.1, T₁₅, Port A:

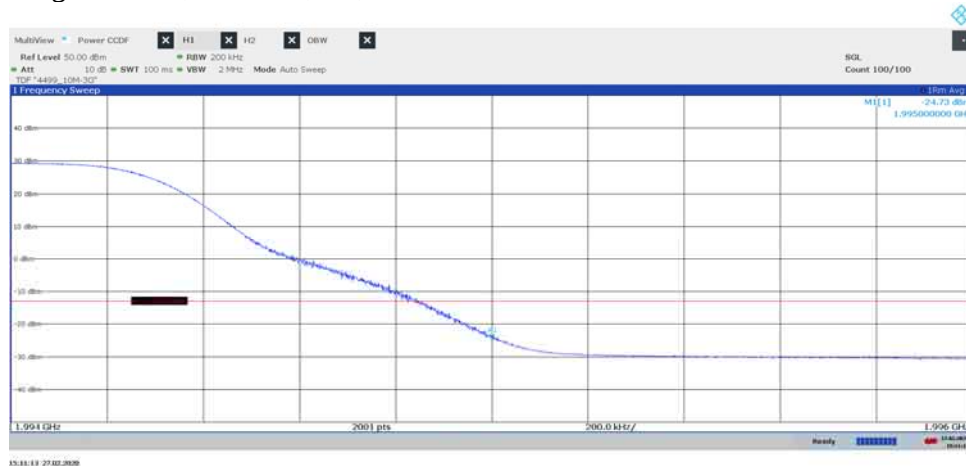


Diagram 2.17b, E-TM1.1, T₁₅, Port A:



Diagram 2.18a, E-TM1.1, T_{20} , Port A:

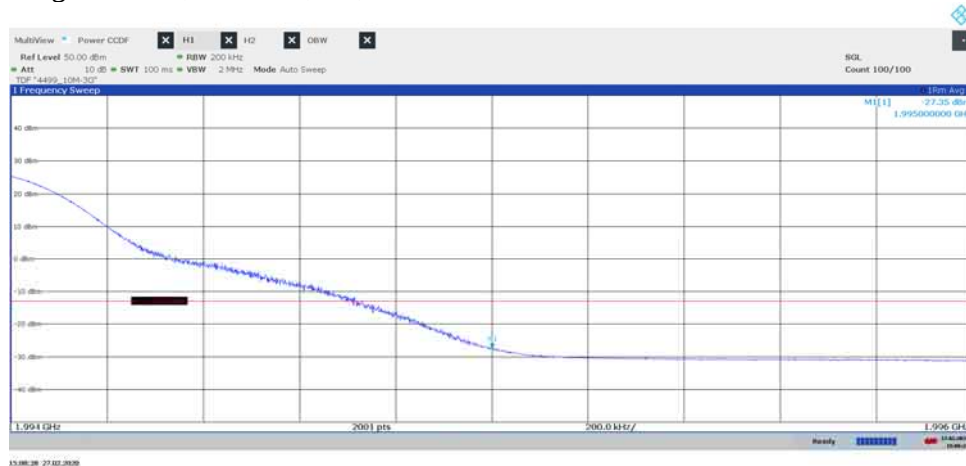


Diagram 2.18b, E-TM1.1, T_{20} , Port A:



Diagram 2.19a, E-TM1.1, Bim₃, Port A:

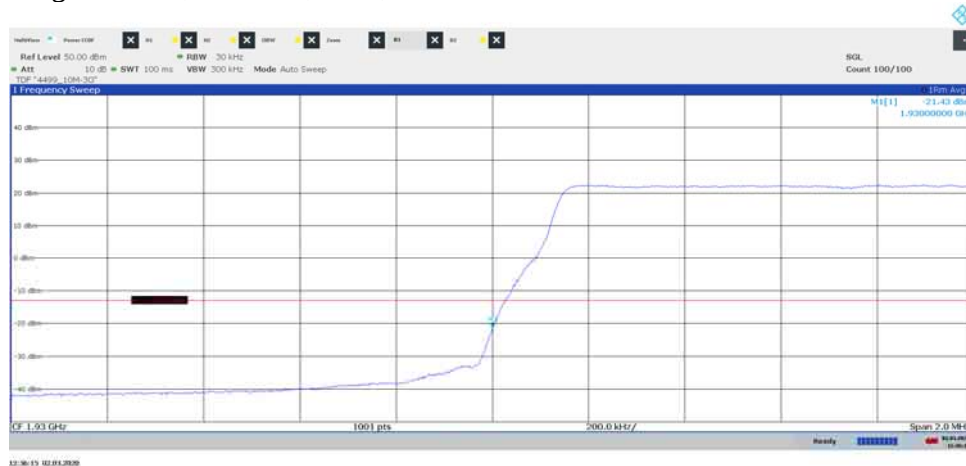


Diagram 2.19b, E-TM1.1, Bim₃, Port A:

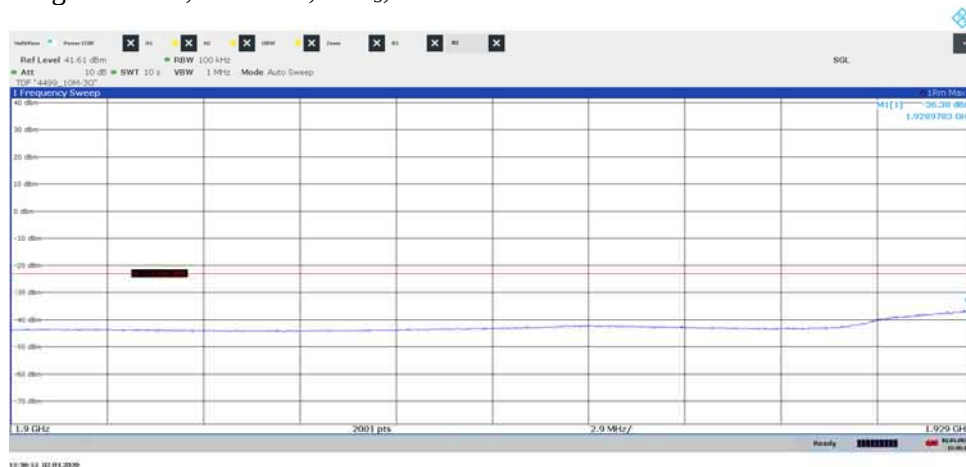


Diagram 2.20a, E-TM1.1, Tim₃, Port A:

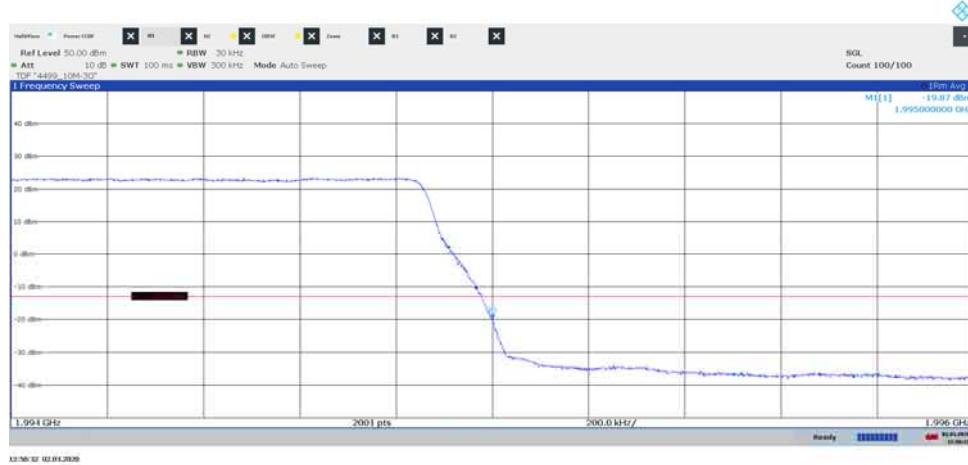


Diagram 2.20b, E-TM1.1, Tim₃, Port A:

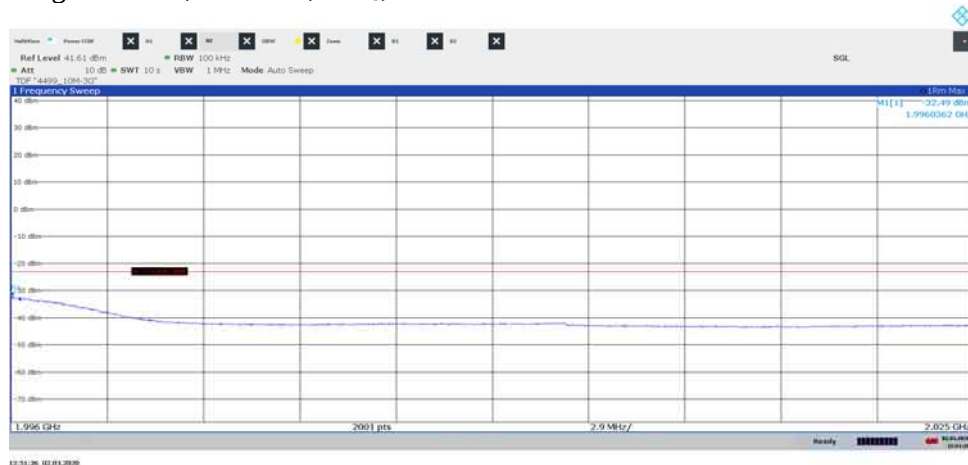


Diagram 2.21a, E-TM1.1, $T_{1.4}$, Port A:

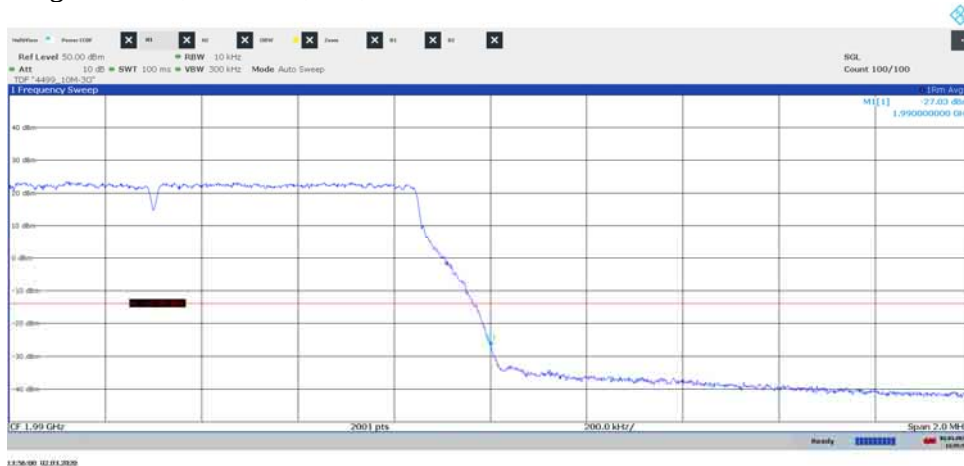


Diagram 2.21b, E-TM1.1, $T_{1.4}$, Port A:

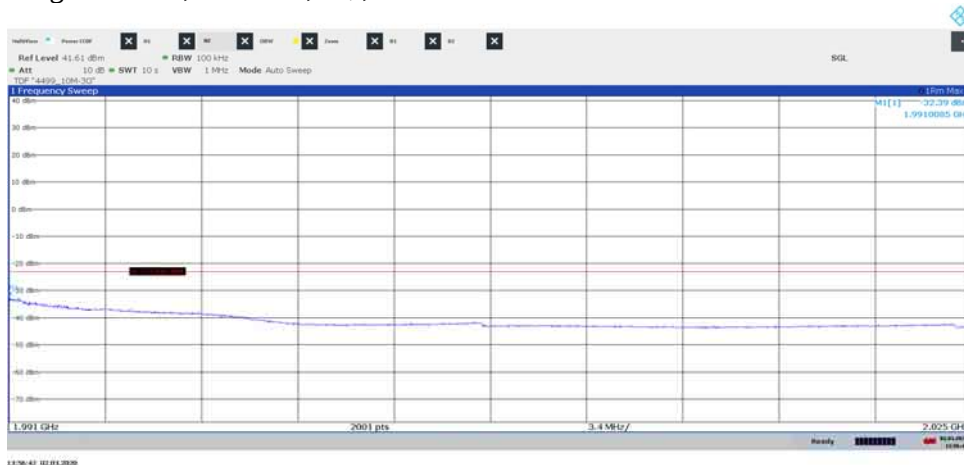


Diagram 2.22a, E-TM1.1, T₃, Port A:

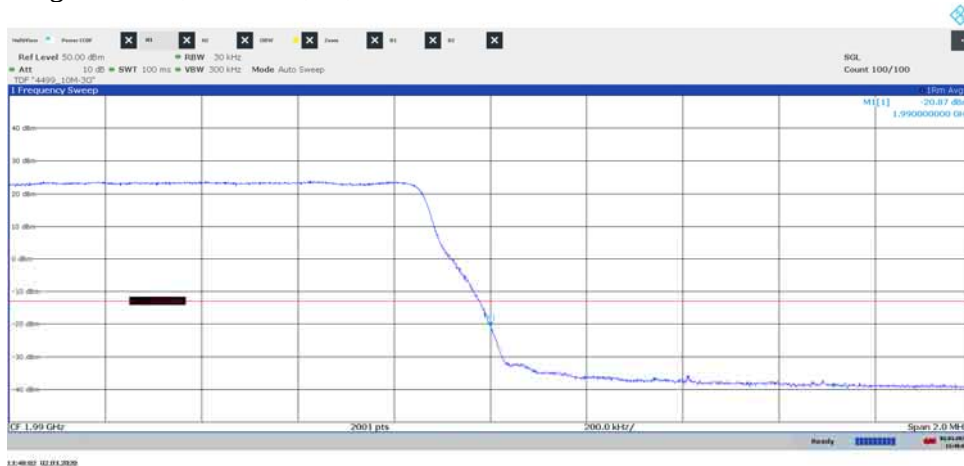


Diagram 2.22b, E-TM1.1, T₃, Port A:

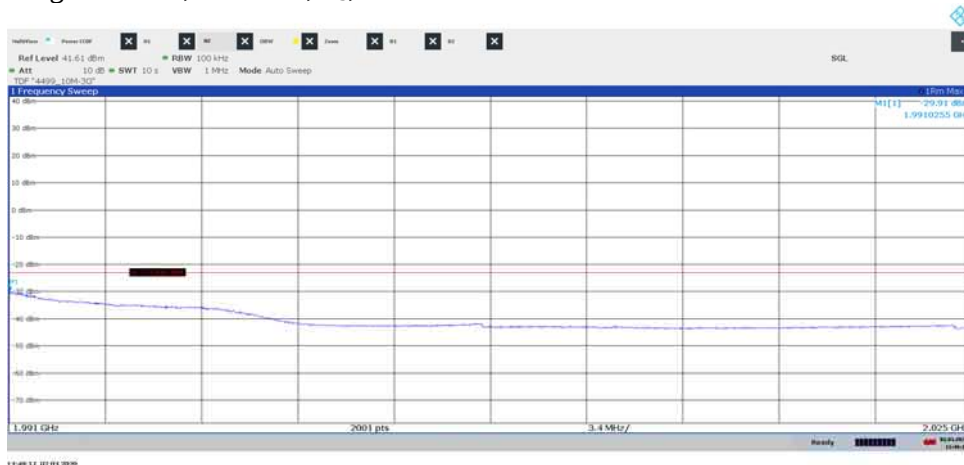


Diagram 2.23a, E-TM1.1, T₃, Port B:

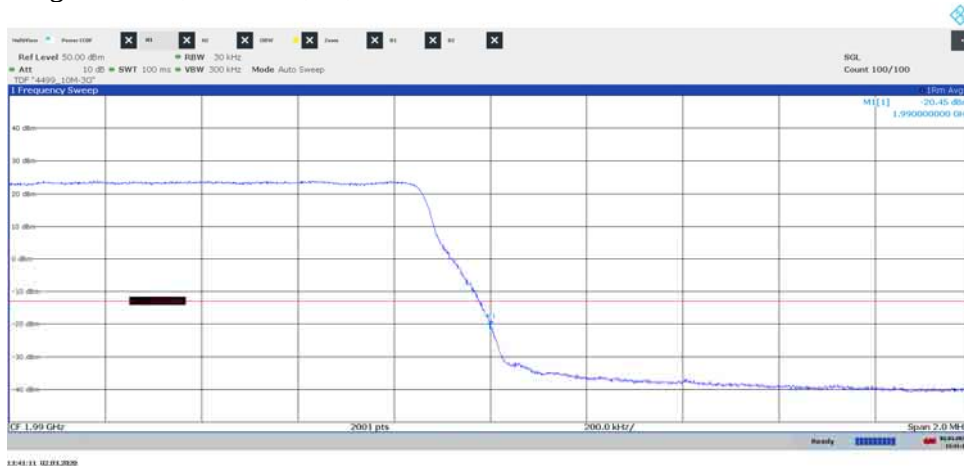


Diagram 2.23b, E-TM1.1, T₃, Port B:

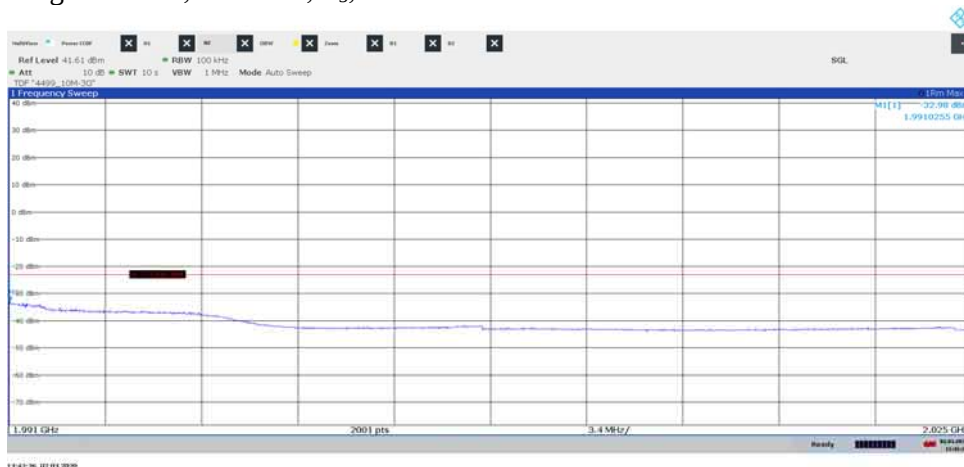


Diagram 2.24a, E-TM1.1, T₃, Port C:

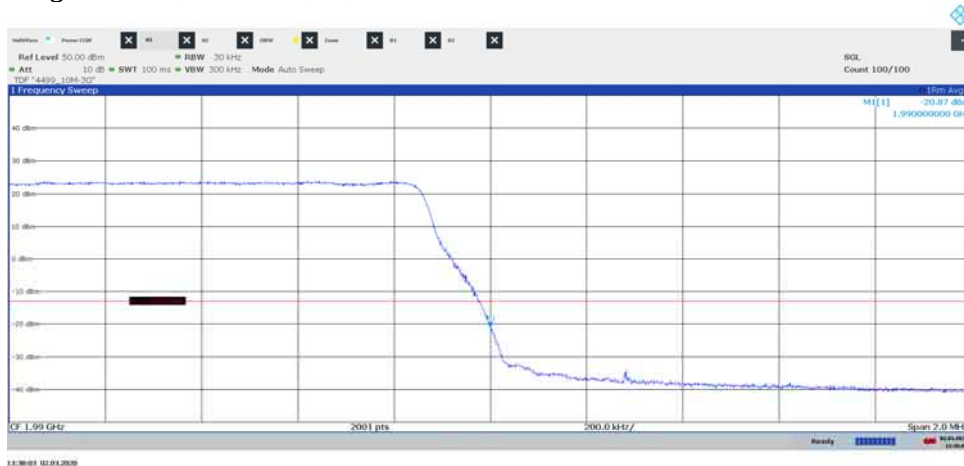


Diagram 2.24b, E-TM1.1, T₃, Port C:

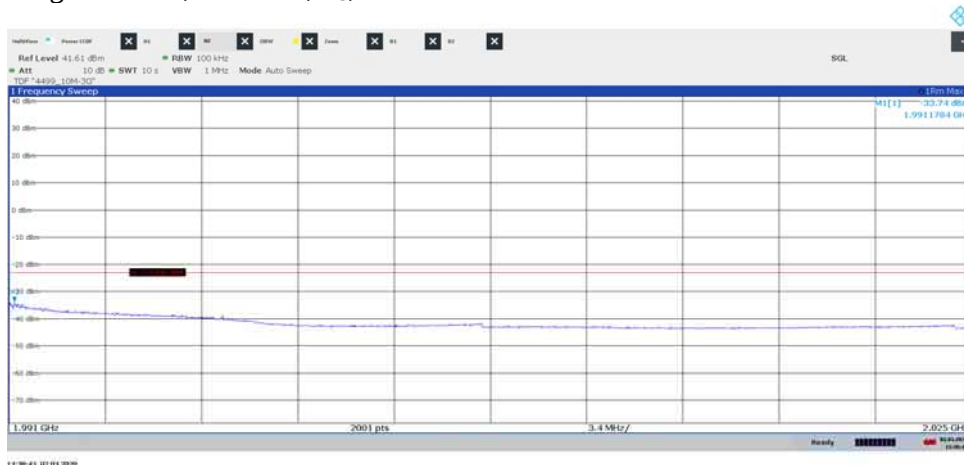


Diagram 2.25a, E-TM1.1, T_3 , Port D:

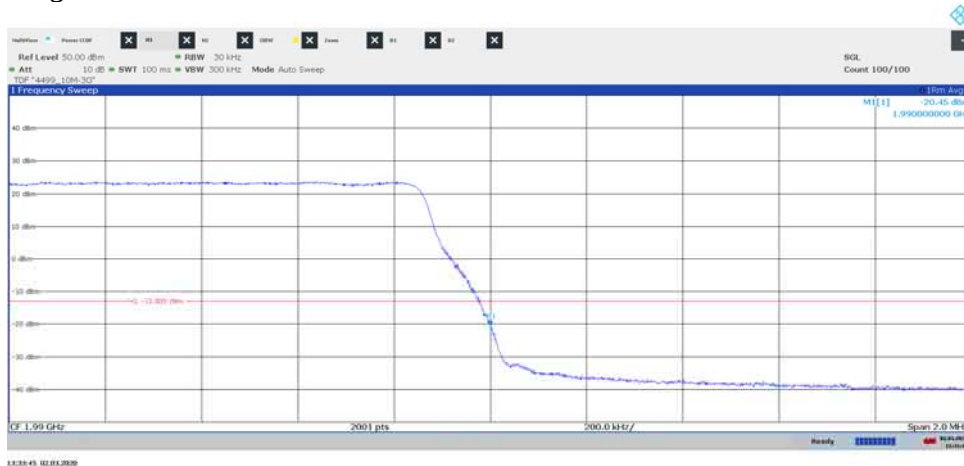


Diagram 2.25b, E-TM1.1, T_3 , Port D:

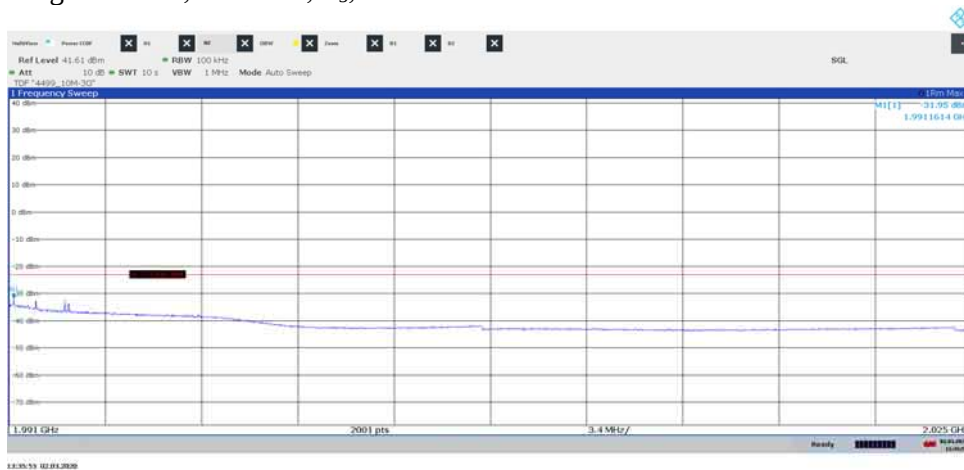


Diagram 2.26a, E-TM1.1, T_5 , Port A:

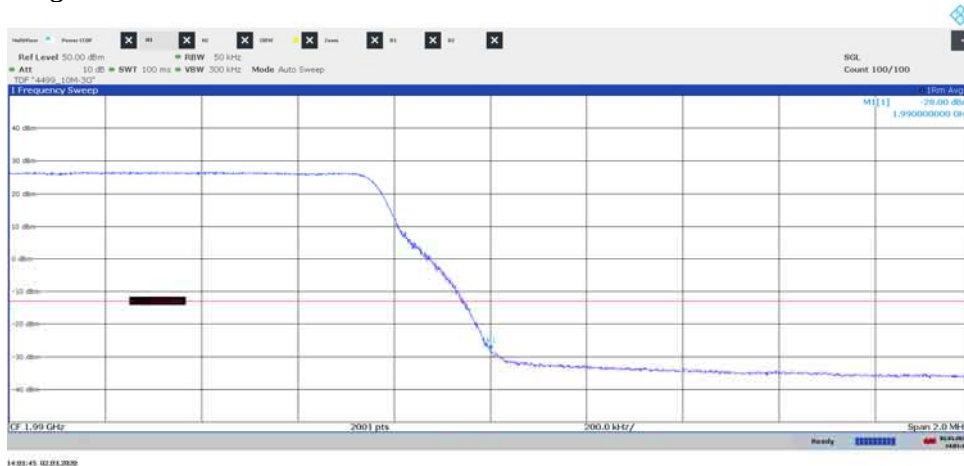


Diagram 2.26b, E-TM1.1, T_5 , Port A:

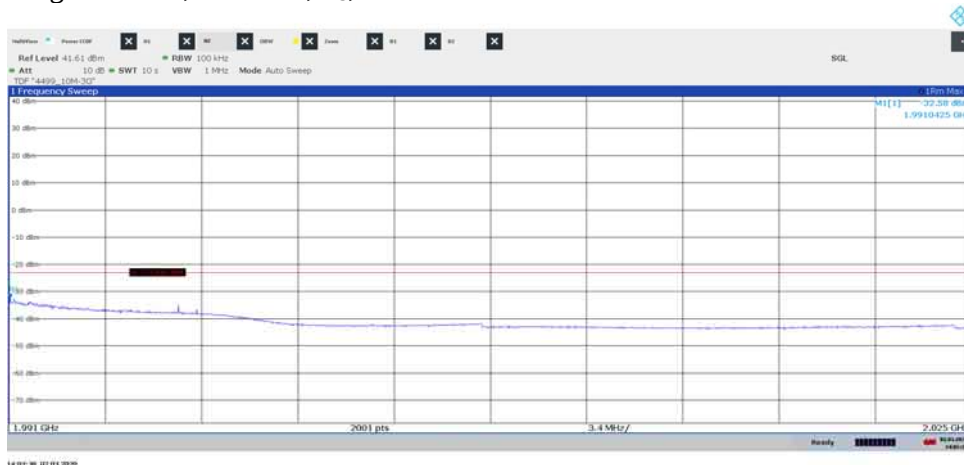


Diagram 2.27a, E-TM1.1, T_{10} , Port A:

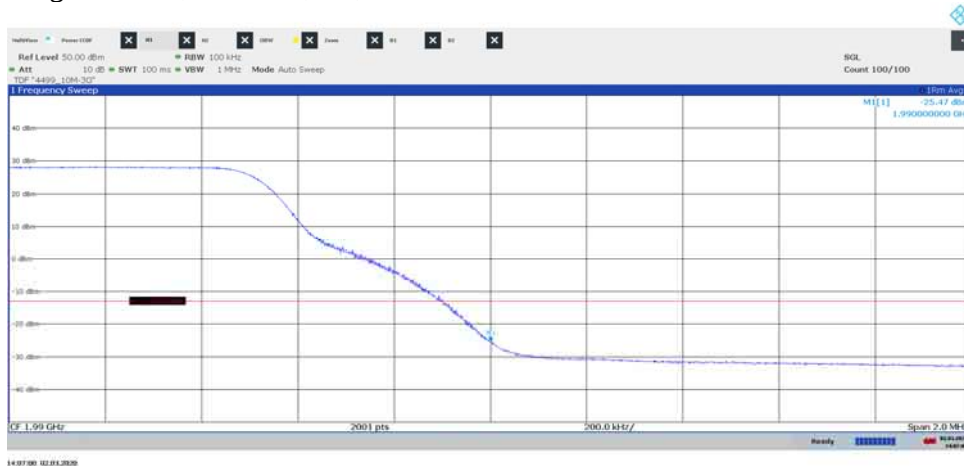


Diagram 2.27b, E-TM1.1, T_{10} , Port A:

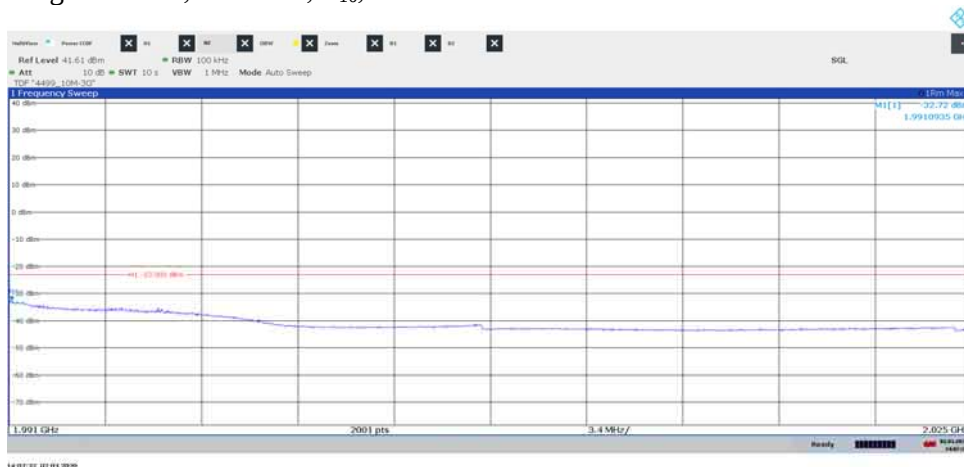


Diagram 2.28a, E-TM1.1, T₁₅, Port A:

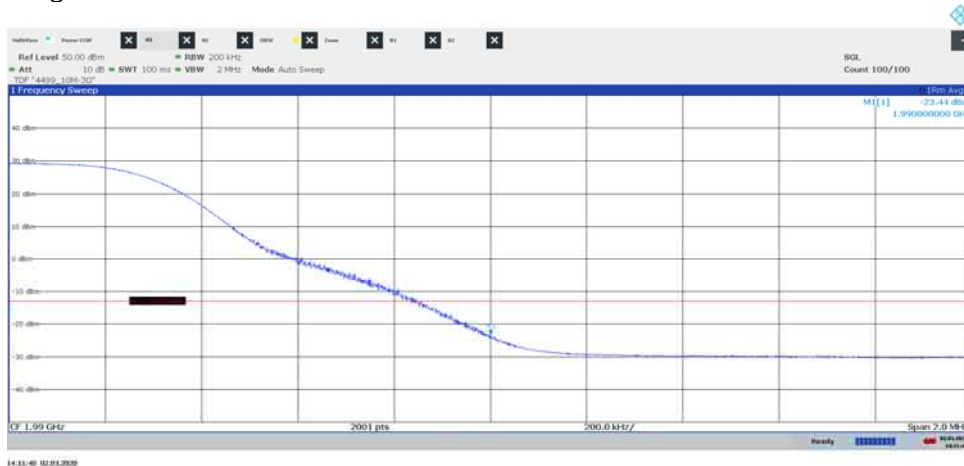


Diagram 2.28b, E-TM1.1, T₁₅, Port A:

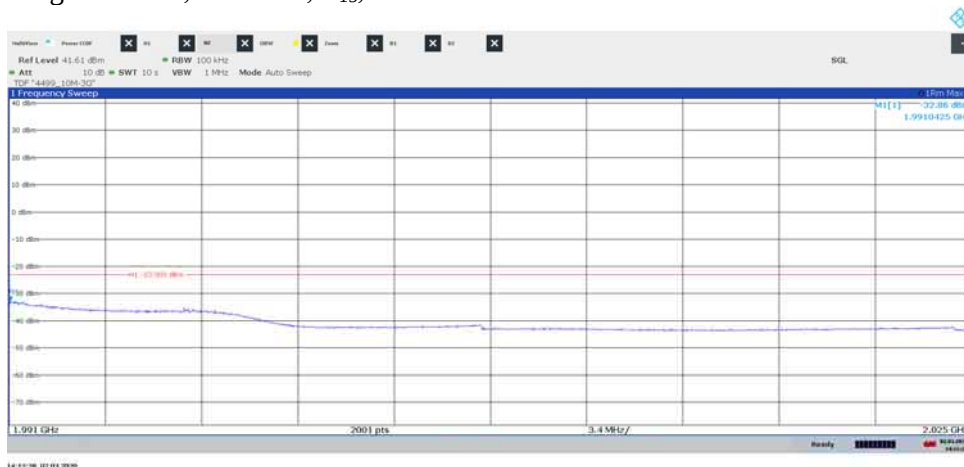


Diagram 2.29a, E-TM1.1, T_{20} , Port A:

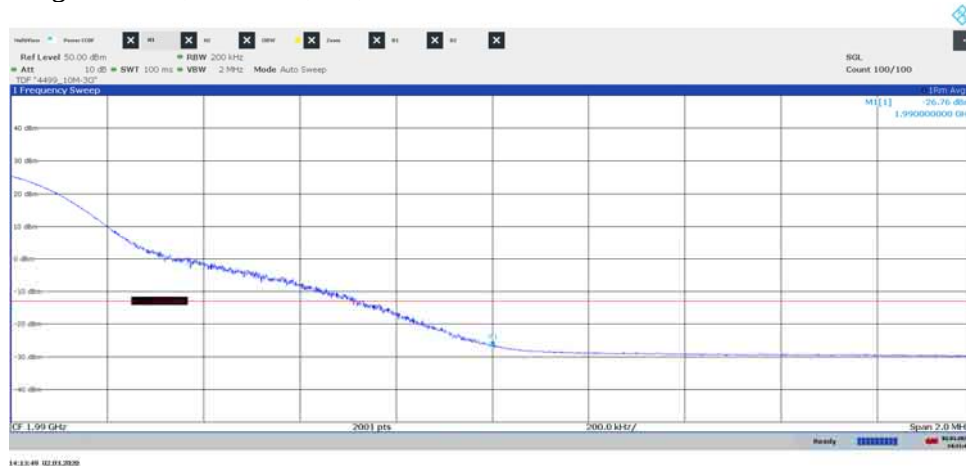


Diagram 2.29b, E-TM1.1, T_{20} , Port A:

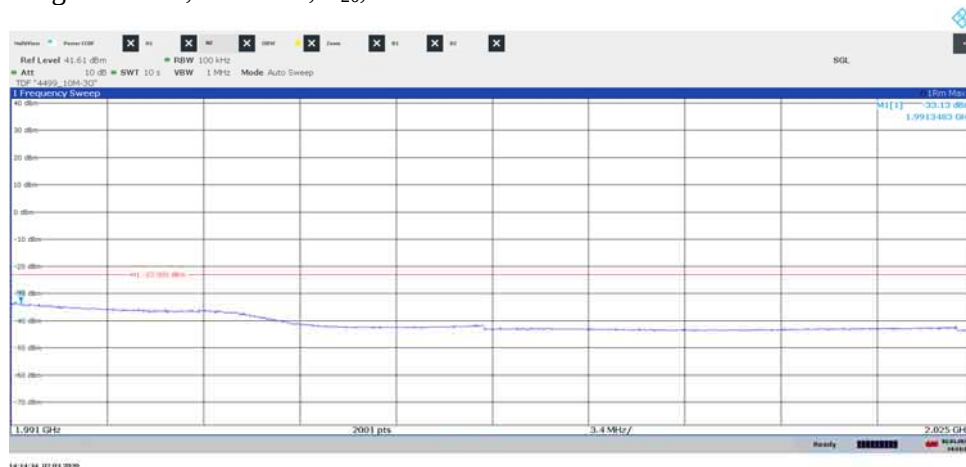


Diagram 2.30a, E-TM1.1, B₅, Port A:

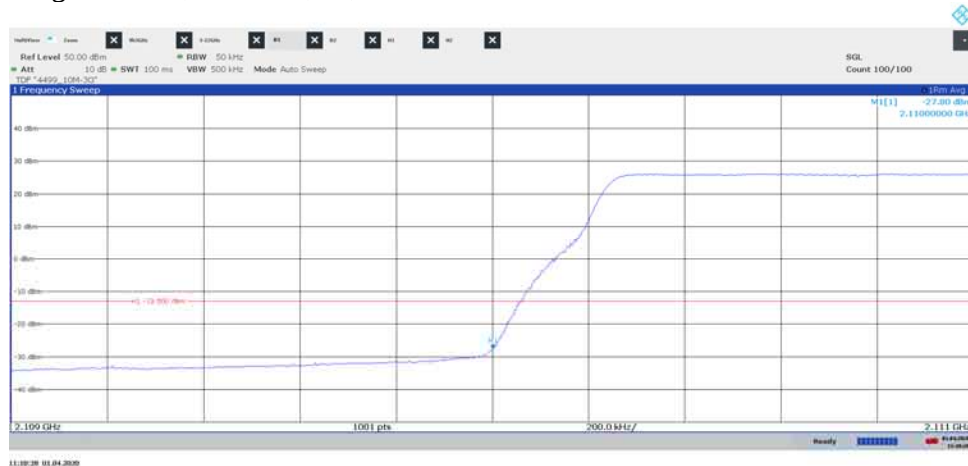


Diagram 2.30b, E-TM1.1, B₅, Port A:

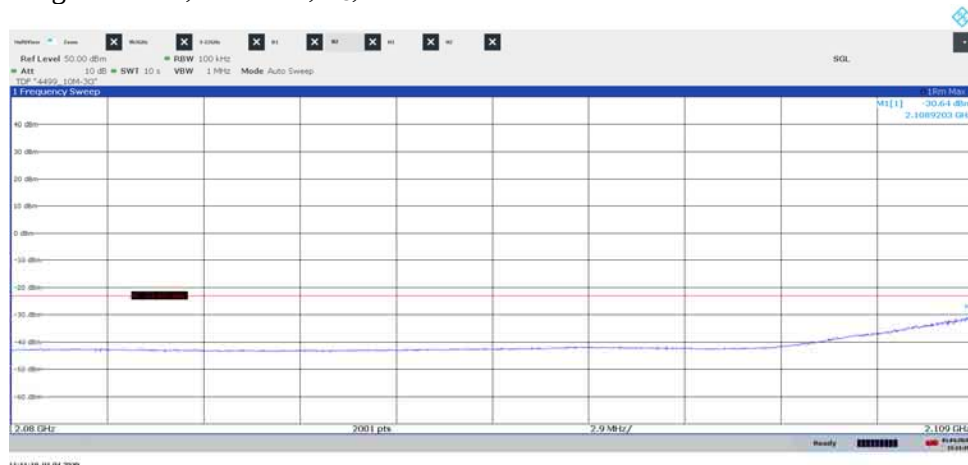


Diagram 2.31a, E-TM1.1, B₅, Port B:

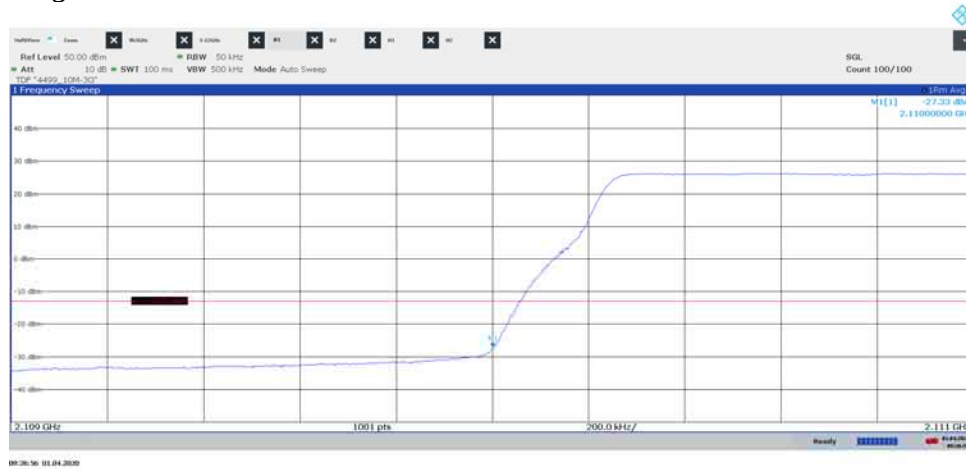


Diagram 2.31b, E-TM1.1, B₅, Port B:

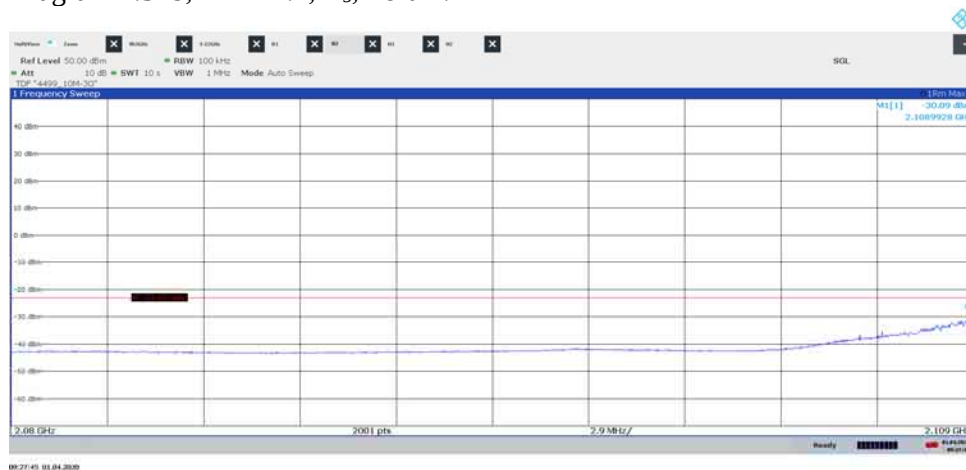


Diagram 2.32a, E-TM1.1, B₅, Port C:



Diagram 2.32b, E-TM1.1, B₅, Port C:

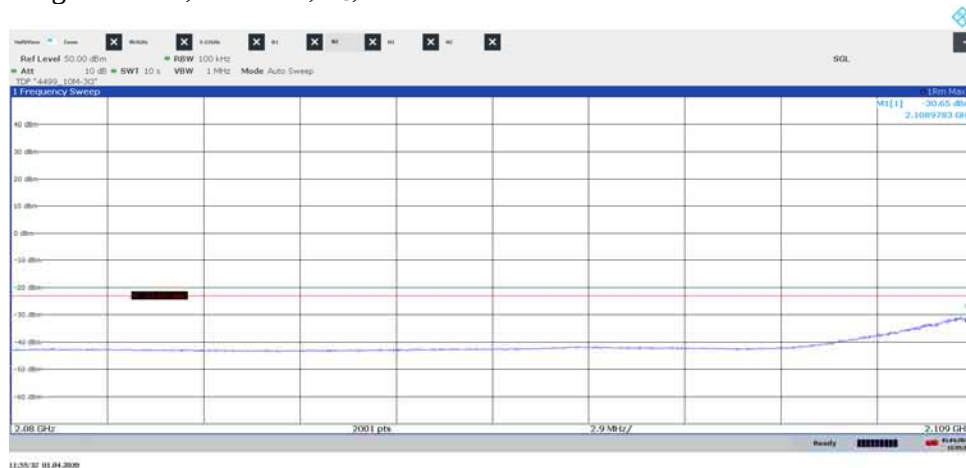


Diagram 2.33a, E-TM1.1, B₅, Port D:

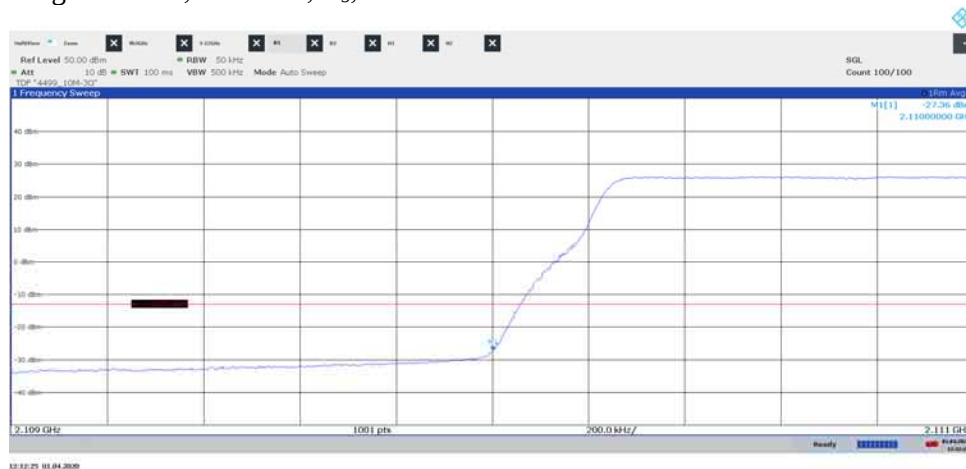


Diagram 2.33b, E-TM1.1, B₅, Port D:

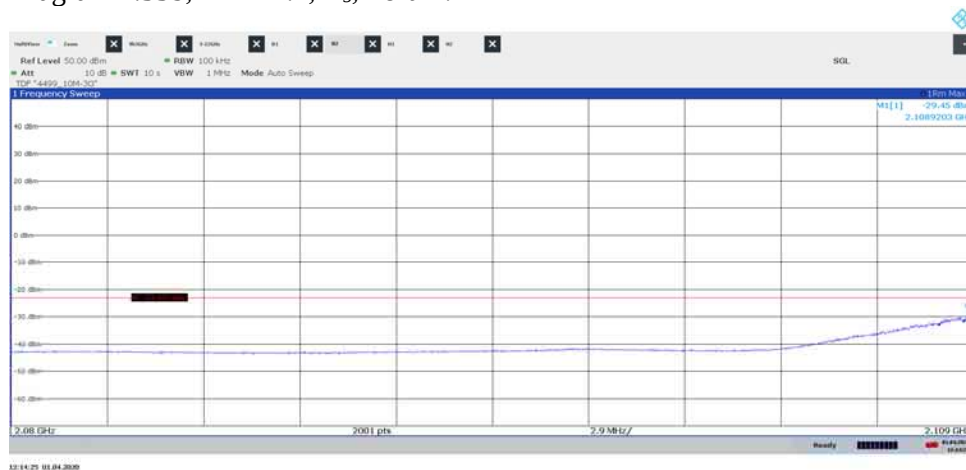


Diagram 2.34a, E-TM1.1, B₁₀, Port B:

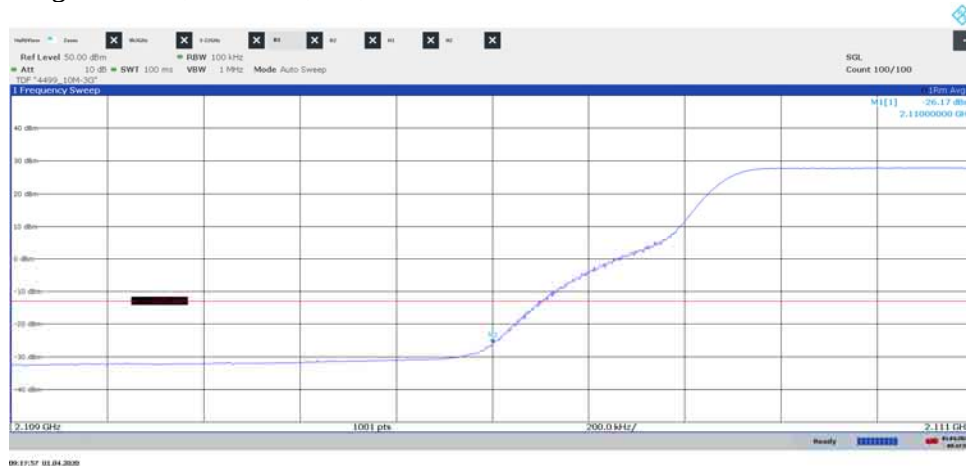


Diagram 2.34b, E-TM1.1, B₁₀, Port B:

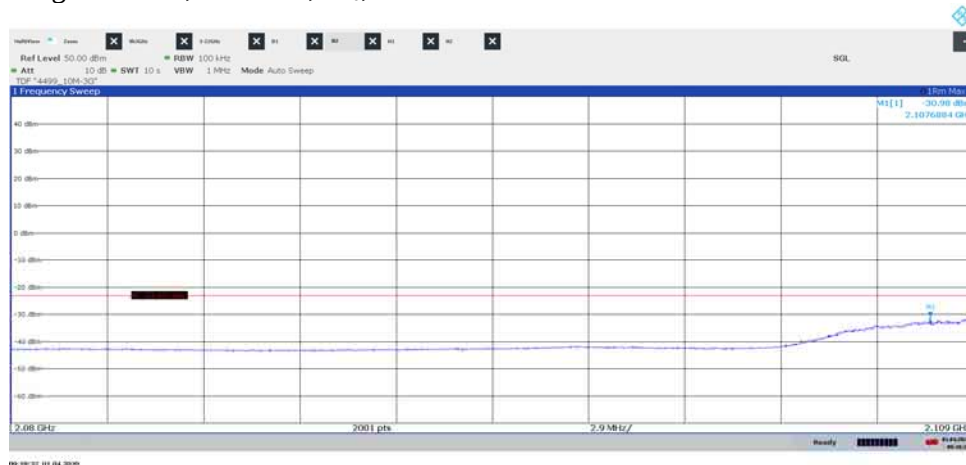


Diagram 2.35a, E-TM1.1, B₁₅, Port B:



Diagram 2.35b, E-TM1.1, B₁₅, Port B:

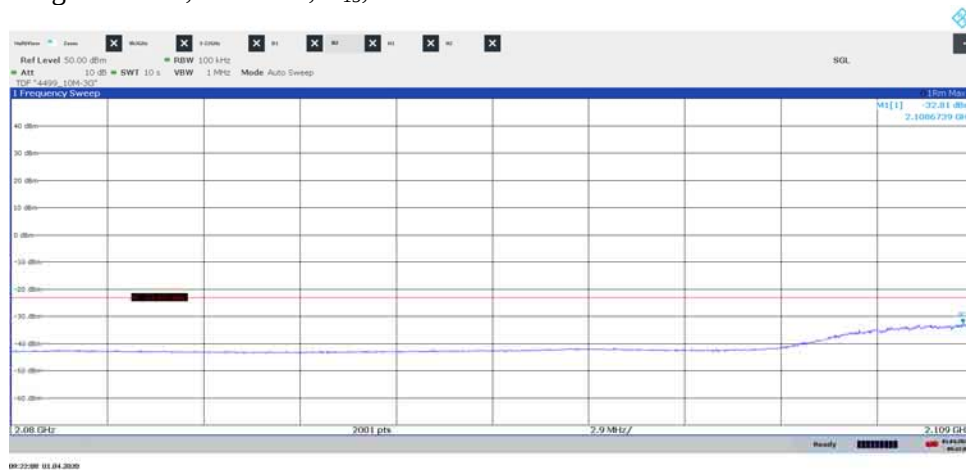


Diagram 2.36a, E-TM1.1, B₂₀, Port B:

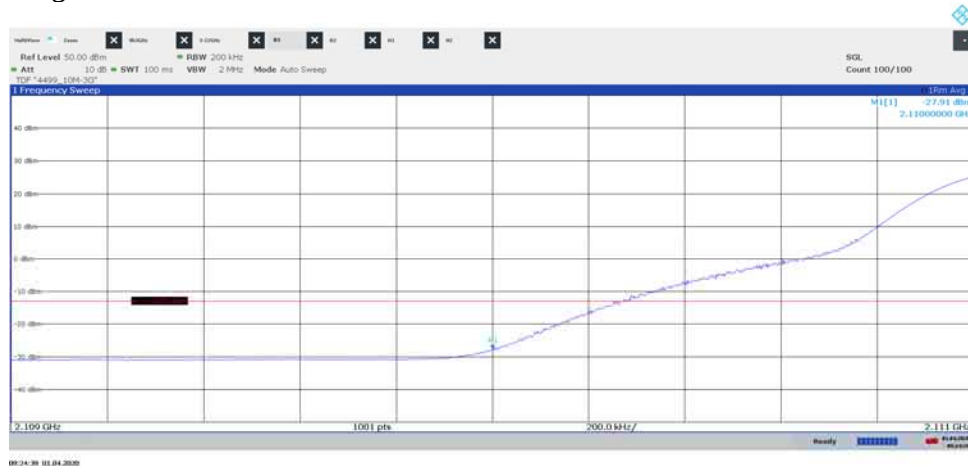


Diagram 2.36b, E-TM1.1, B₂₀, Port B:

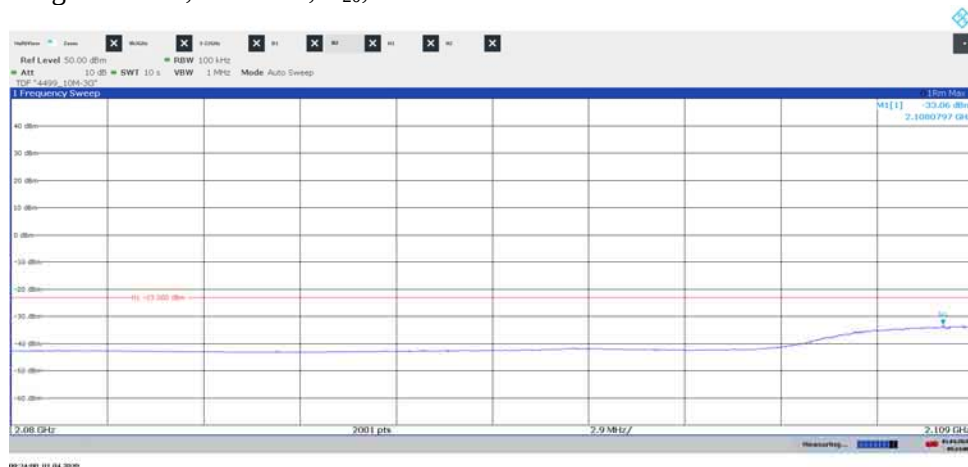


Diagram 2.37a, E-TM1.1, T₅, Port A:

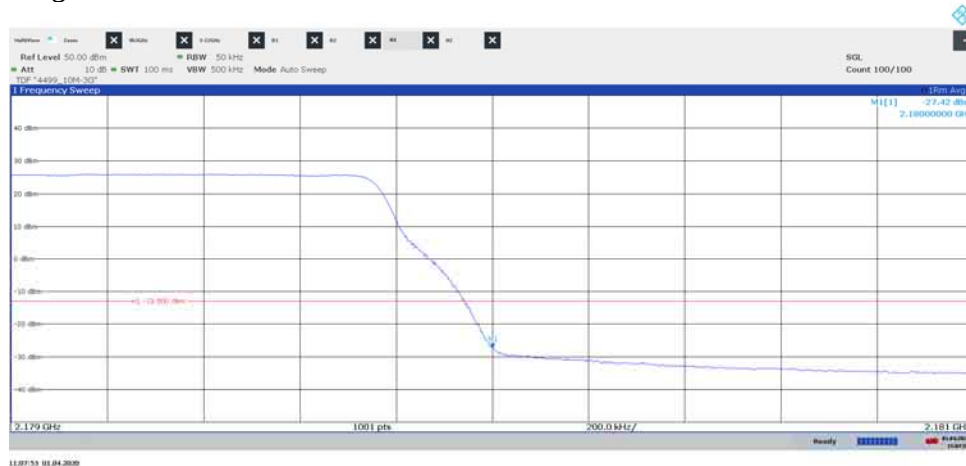


Diagram 2.37b, E-TM1.1, T₅, Port A:

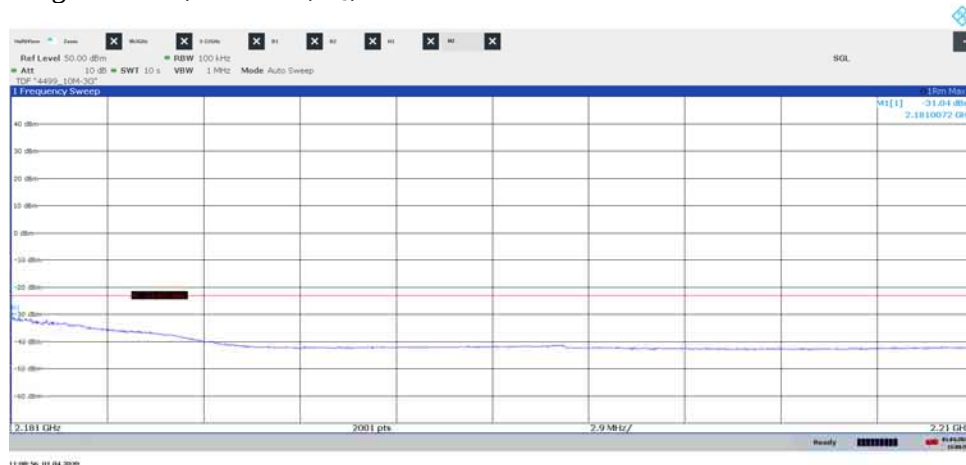


Diagram 2.38a, E-TM1.1, T₅, Port B:

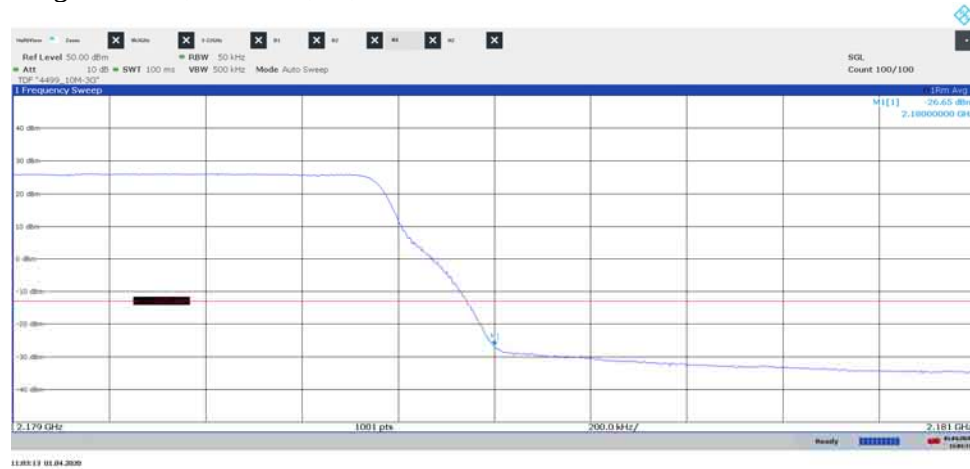


Diagram 2.38b, E-TM1.1, T₅, Port B:

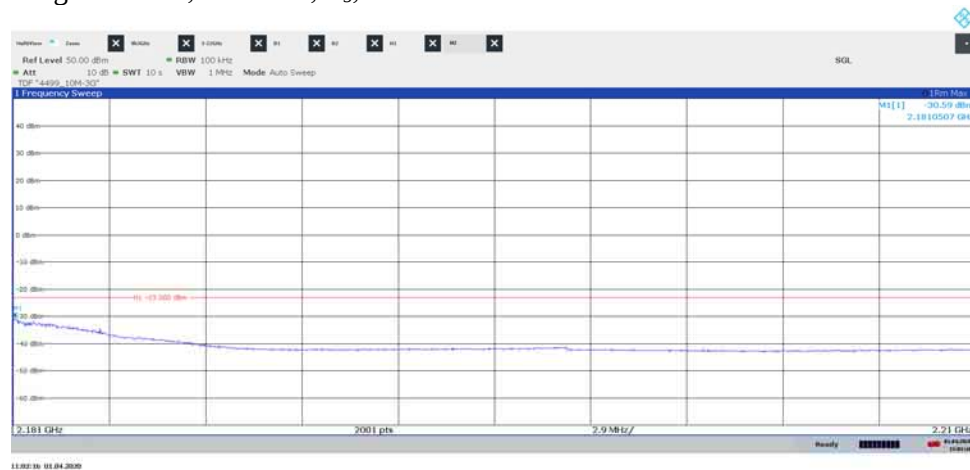


Diagram 2.39a, E-TM1.1, T₅, Port C:

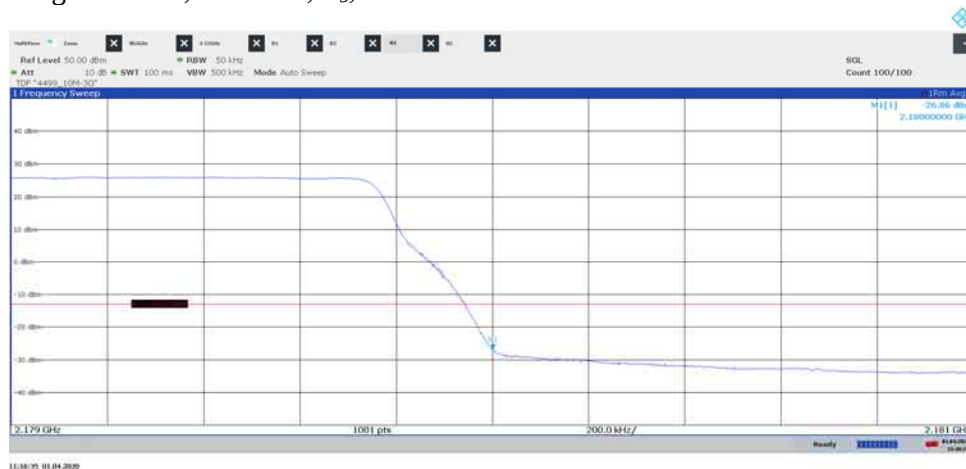


Diagram 2.39b, E-TM1.1, T₅, Port C:

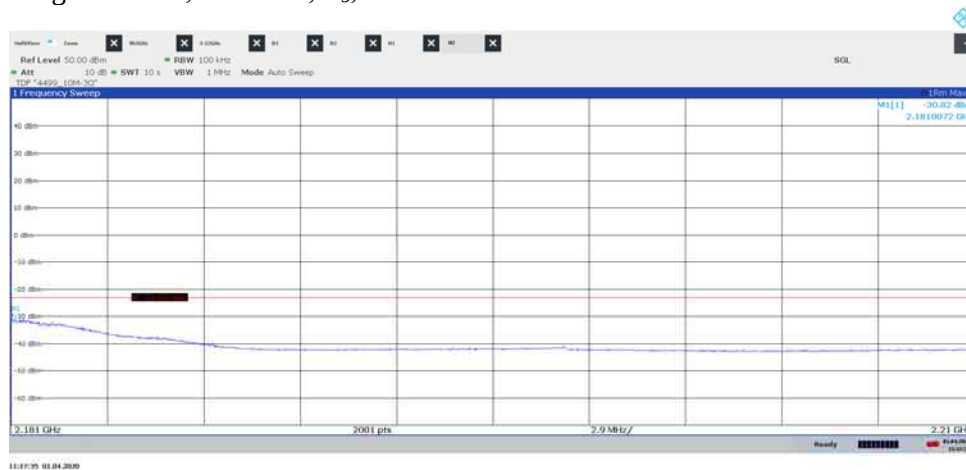


Diagram 2.40a, E-TM1.1, T₅, Port D:



Diagram 2.40b, E-TM1.1, T₅, Port D:

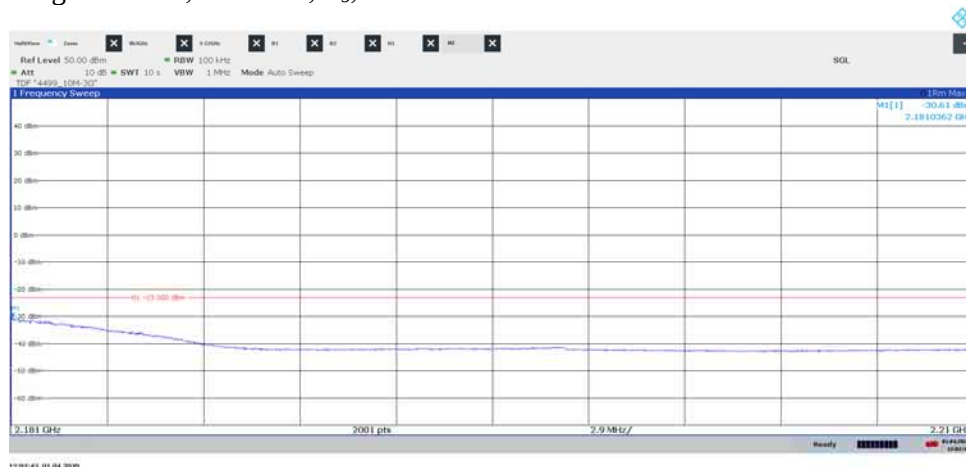


Diagram 2.41a, E-TM1.1, T_{10} , Port B:

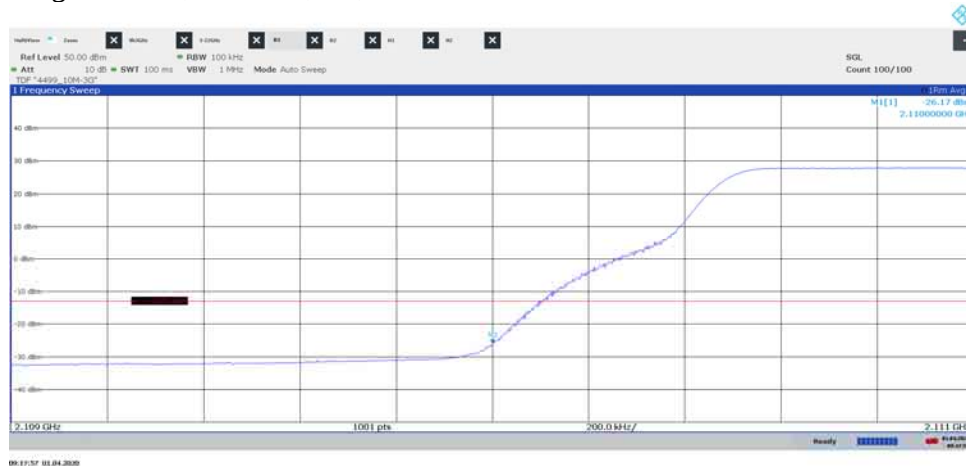


Diagram 2.41b, E-TM1.1, T_{10} , Port B:

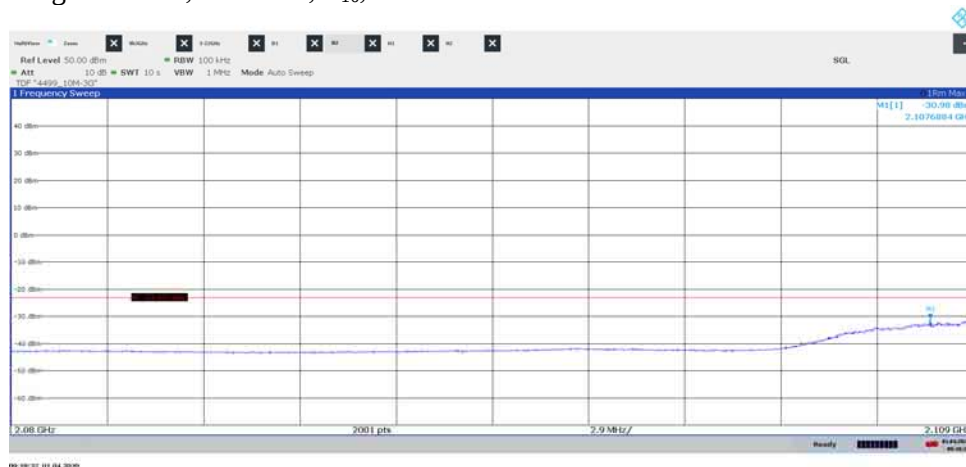


Diagram 2.42a, E-TM1.1, T₁₅, Port B:



Diagram 2.42b, E-TM1.1, T₁₅, Port B:

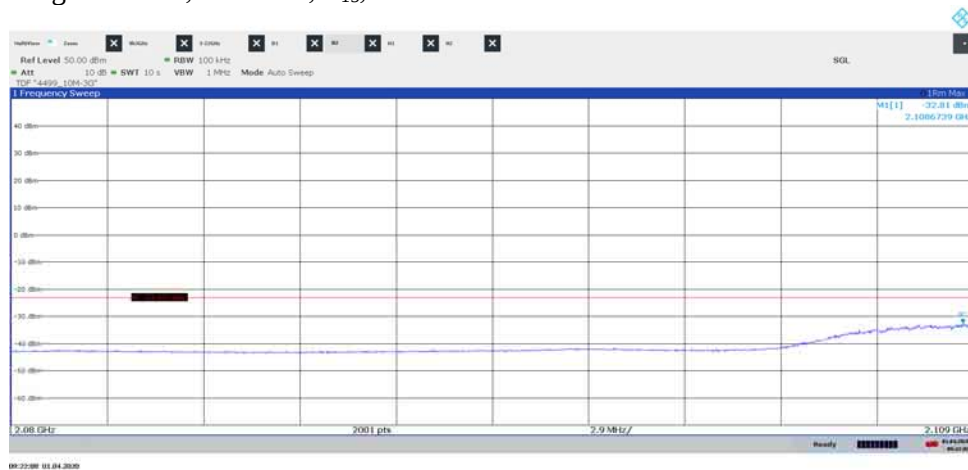


Diagram 2.43a, E-TM1.1, T_{20} , Port B:



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

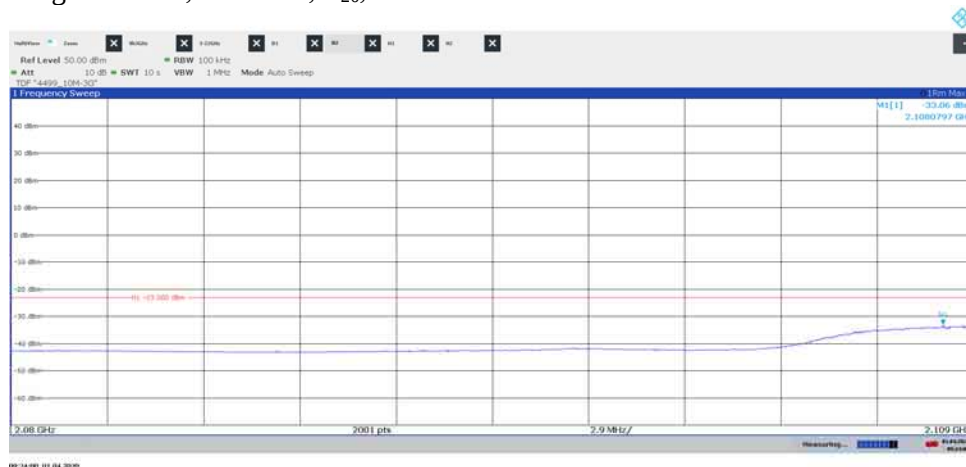


Diagram 2.44a, E-TM1.1, Bim₅, Port B:

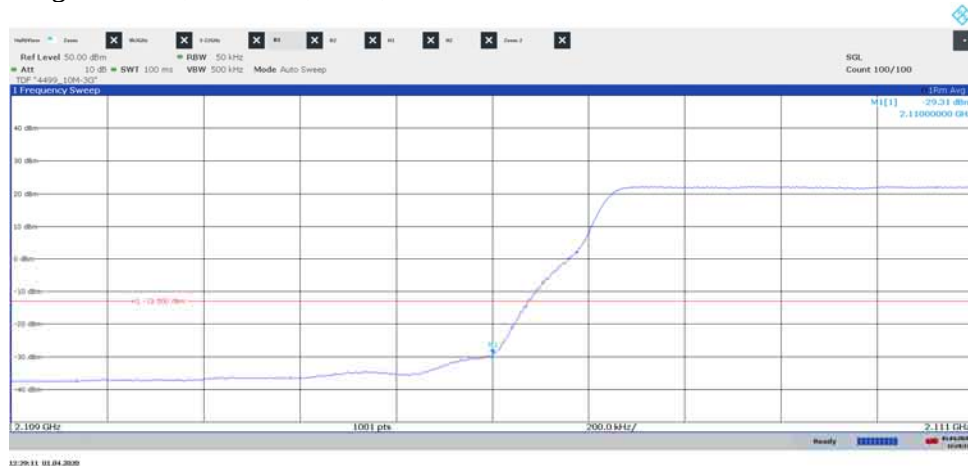


Diagram 2.44b, E-TM1.1, Bim₅, Port B:

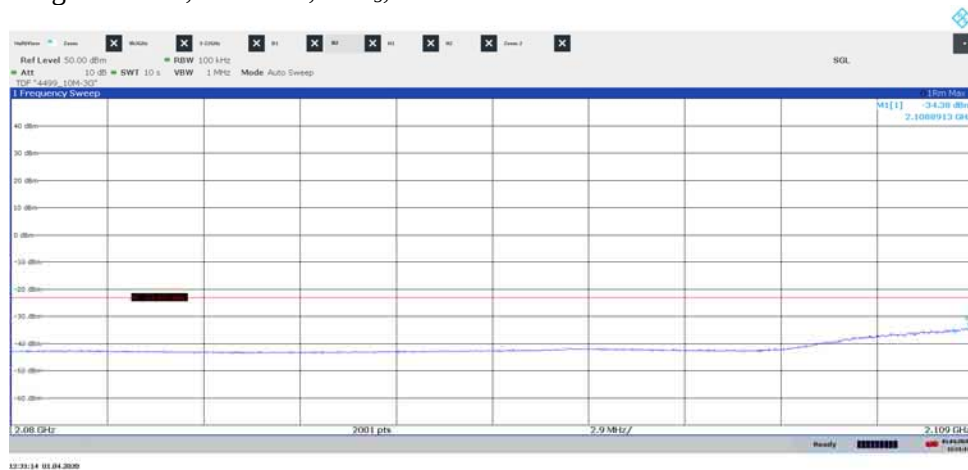


Diagram 2.45a, E-TM1.1, Tim₅, Port B:

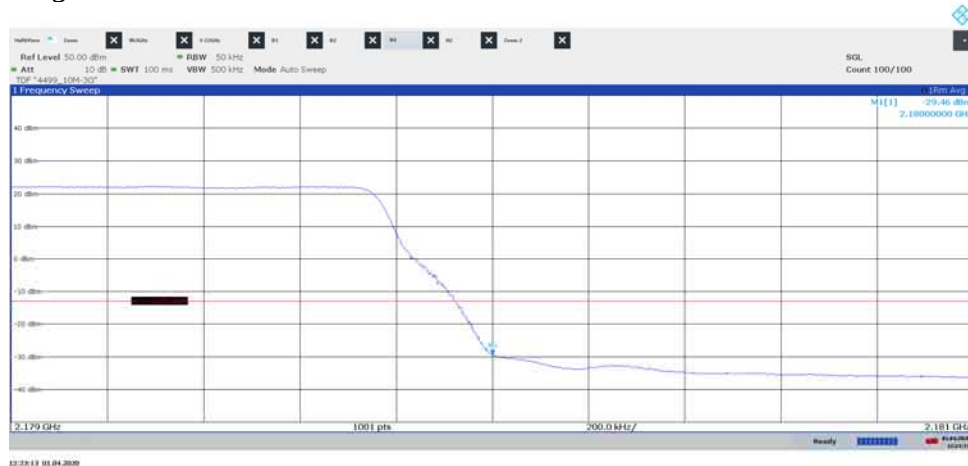


Diagram 2.45b, E-TM1.1, Tim₅, Port B:

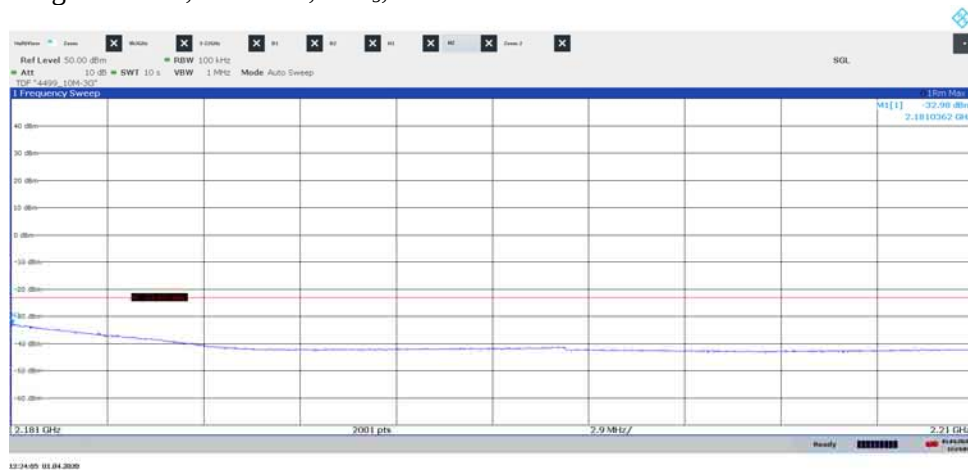


Diagram 2.46a, GSM: GMSK, LTE: E-TM1.1, B_{G+L}, Port A:

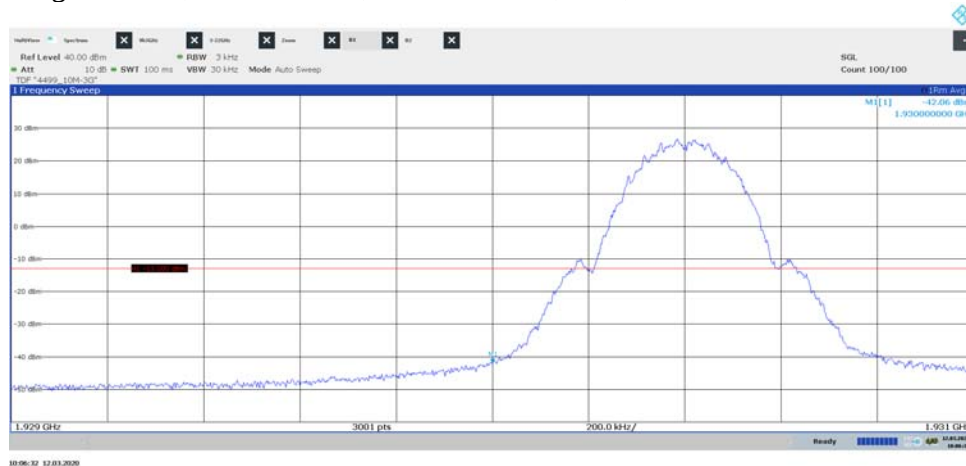


Diagram 2.46b, GSM: GMSK, LTE: E-TM1.1, B_{G+L}, Port A:

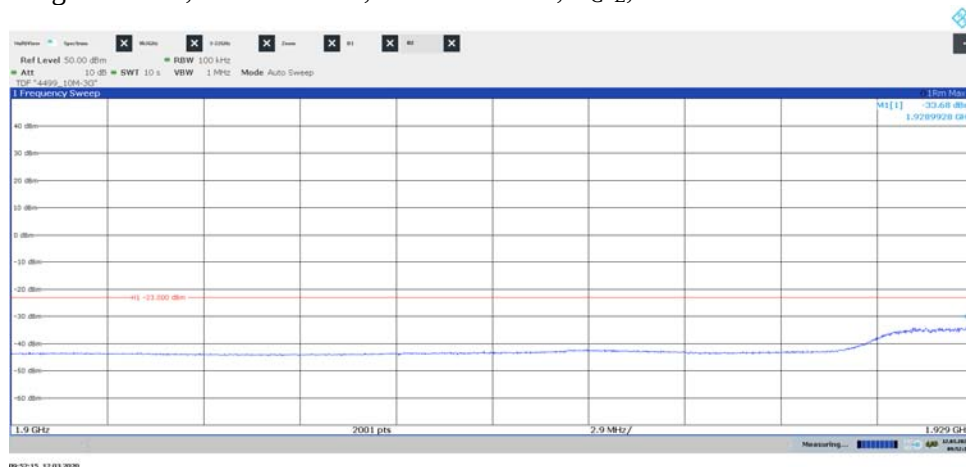


Diagram 2.47a, GSM: GMSK, LTE: E-TM1.1, T_{G+L} , Port A:

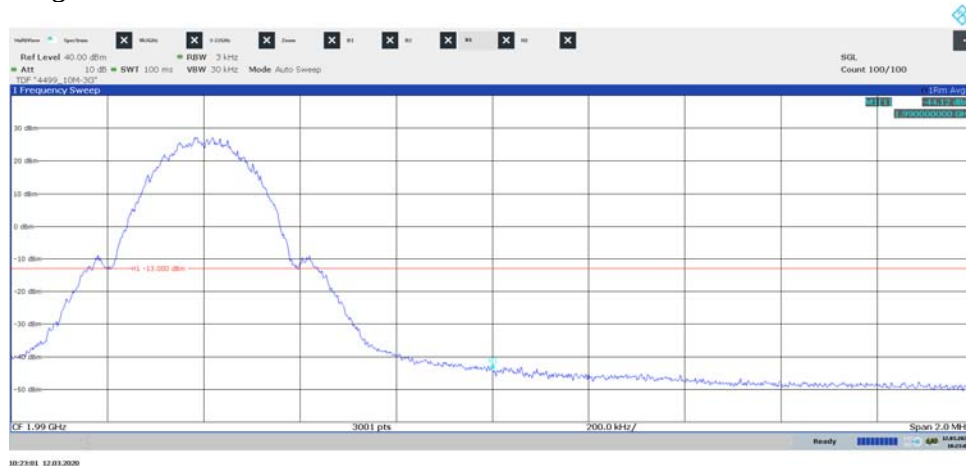


Diagram 2.47b, GSM: GMSK, LTE: E-TM1.1, T_{G+L} , Port A:

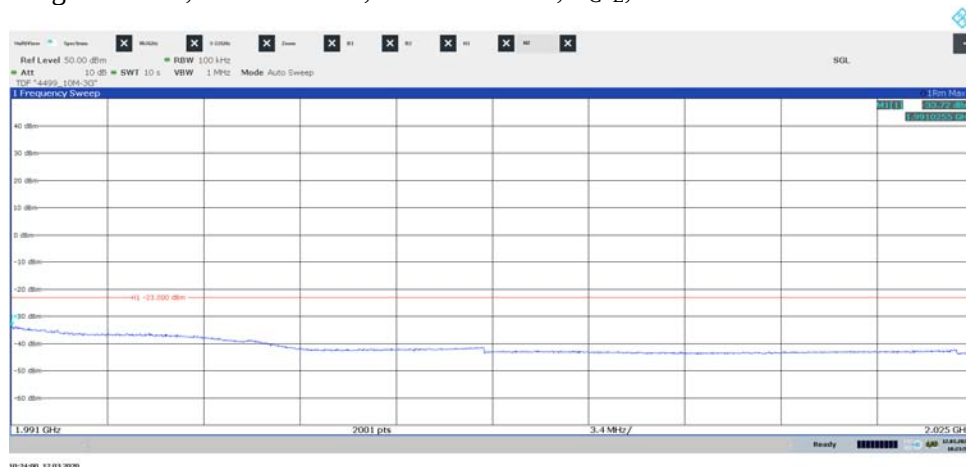


Diagram 2.48a, GSM: AQPSK, LTE: E-TM1.1, B_{G+L}, Port A:

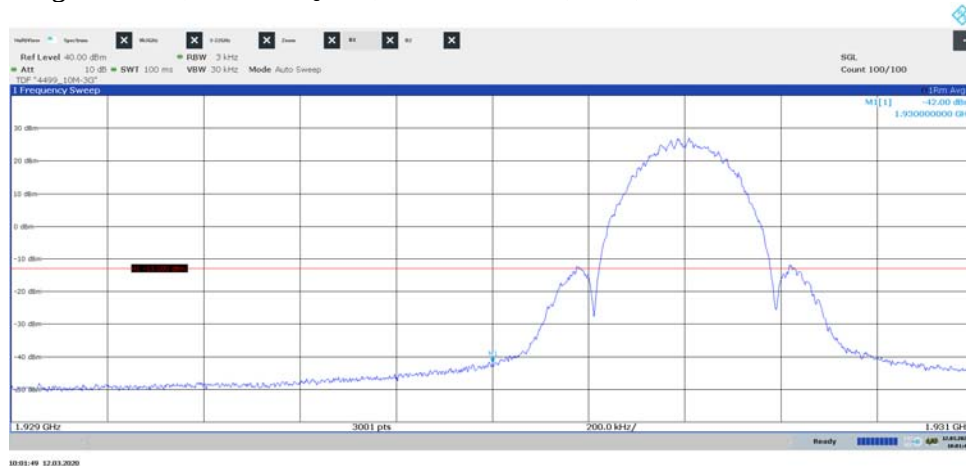


Diagram 2.48b, GSM: AQPSK, LTE: E-TM1.1, B_{G+L}, Port A:

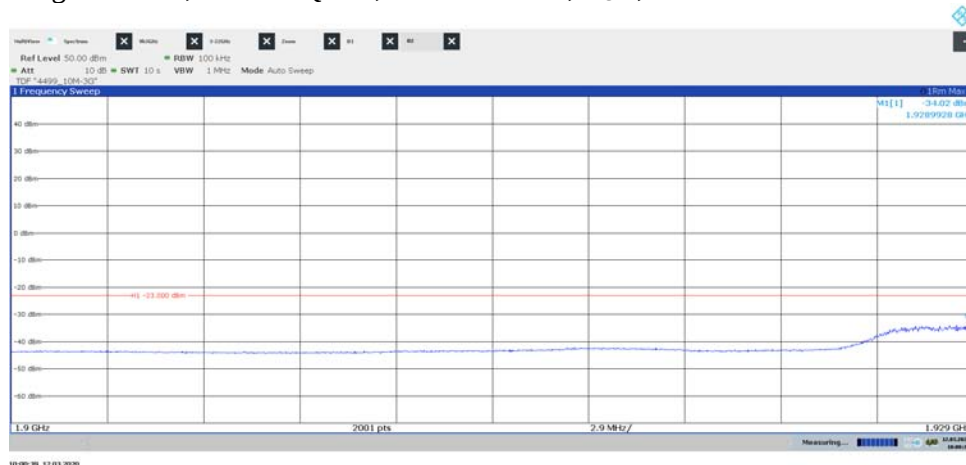


Diagram 2.49a, GSM: AQPSK, LTE: E-TM1.1, T_{G+L} , Port A:

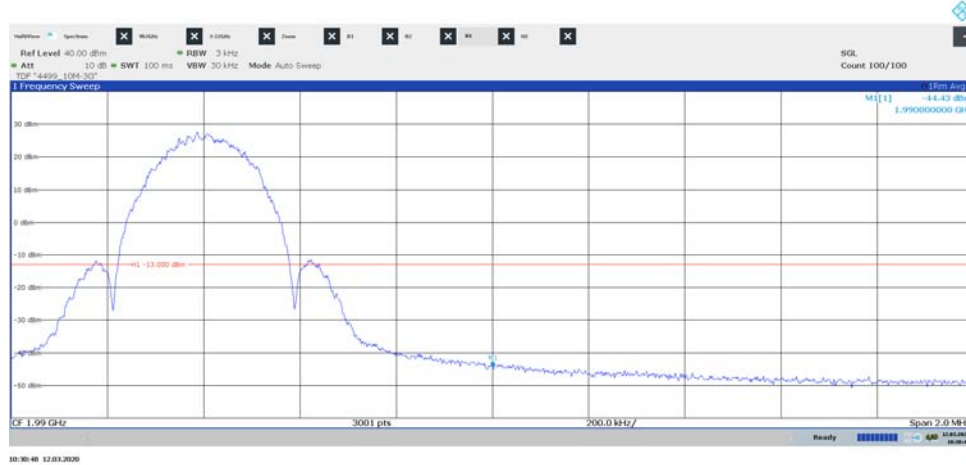


Diagram 2.49b, GSM: AQPSK, LTE: E-TM1.1, T_{G+L} , Port A:

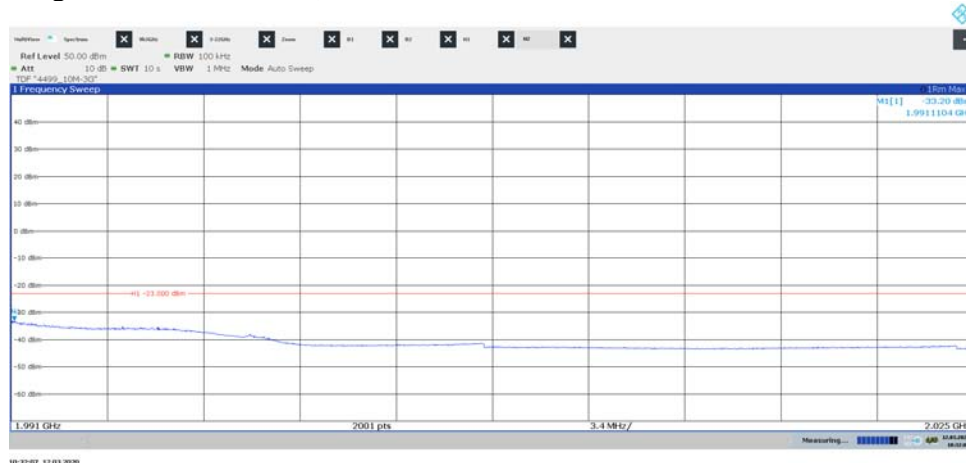


Diagram 2.50a, GSM: 8PSK, LTE: E-TM1.1, B_{G+L}, Port A:

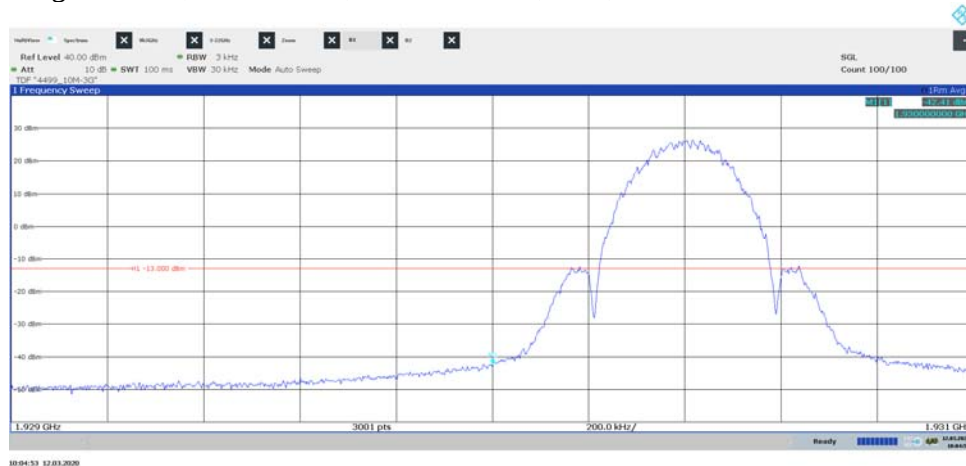


Diagram 2.50b, GSM: 8PSK, LTE: E-TM1.1, B_{G+L}, Port A:

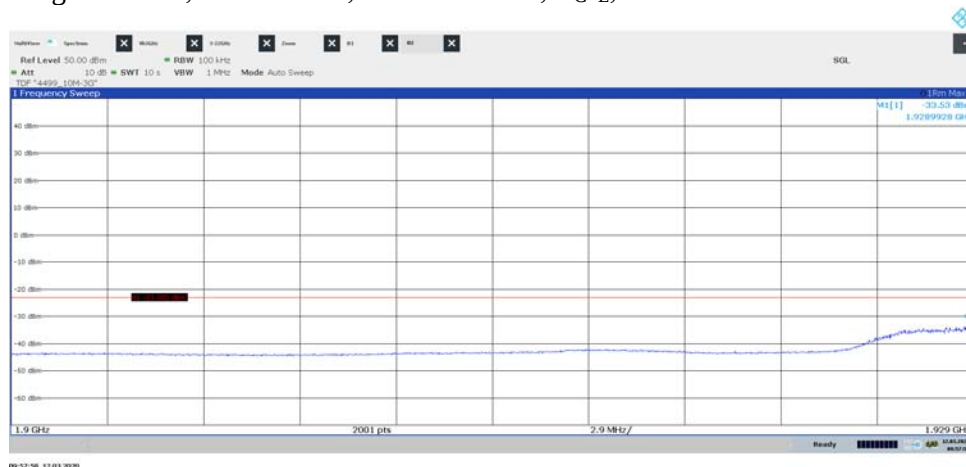


Diagram 2.51a, GSM: 8PSK, LTE: E-TM1.1, T_{G+L} , Port A:

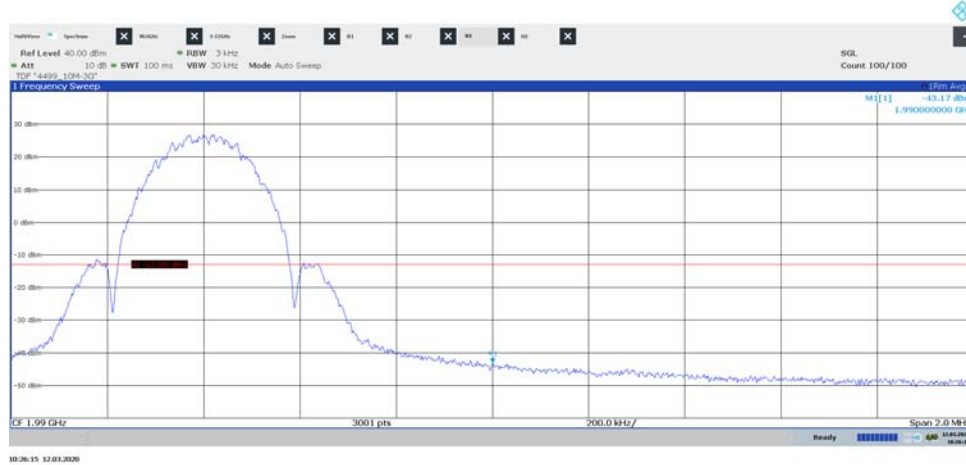


Diagram 2.51b, GSM: 8PSK, LTE: E-TM1.1, T_{G+L} , Port A:

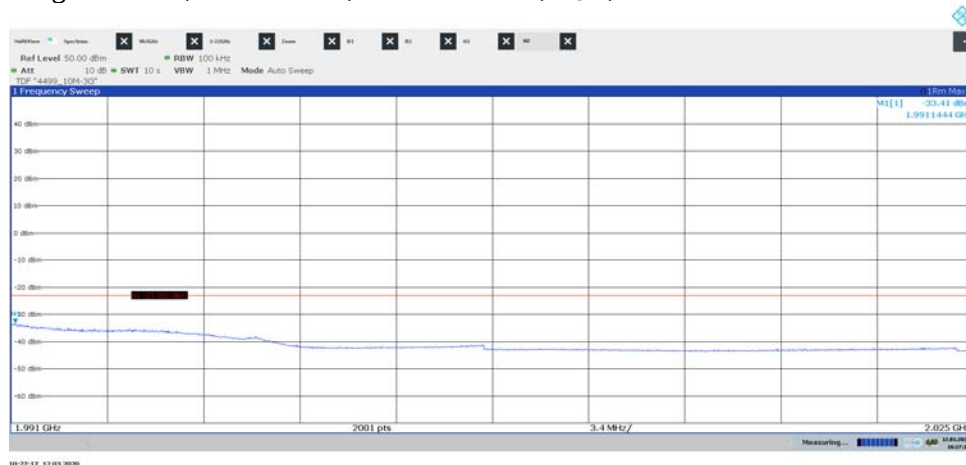


Diagram 2.52a, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port A:

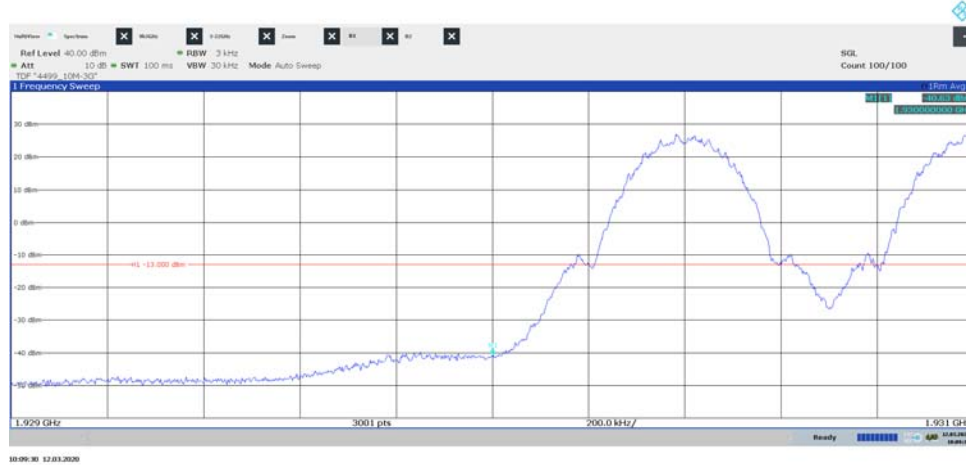


Diagram 2.52b, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port A:

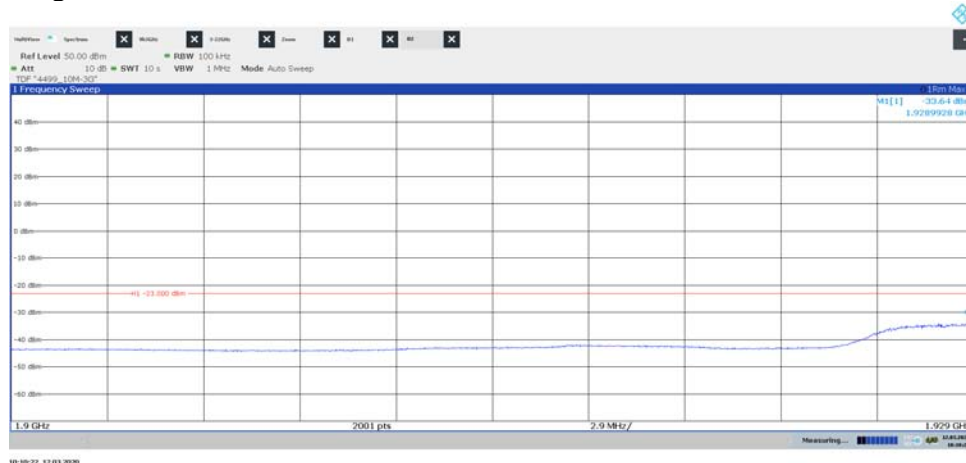


Diagram 2.53a, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port B:

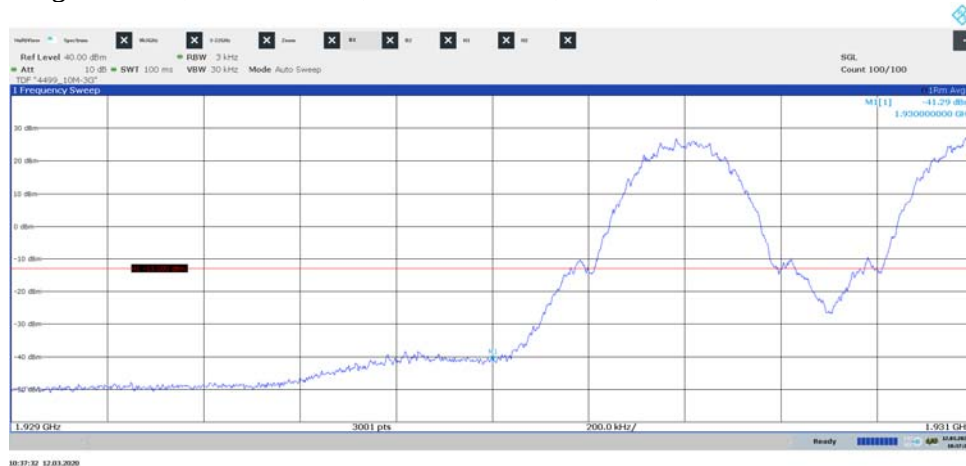


Diagram 2.53b, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port B:

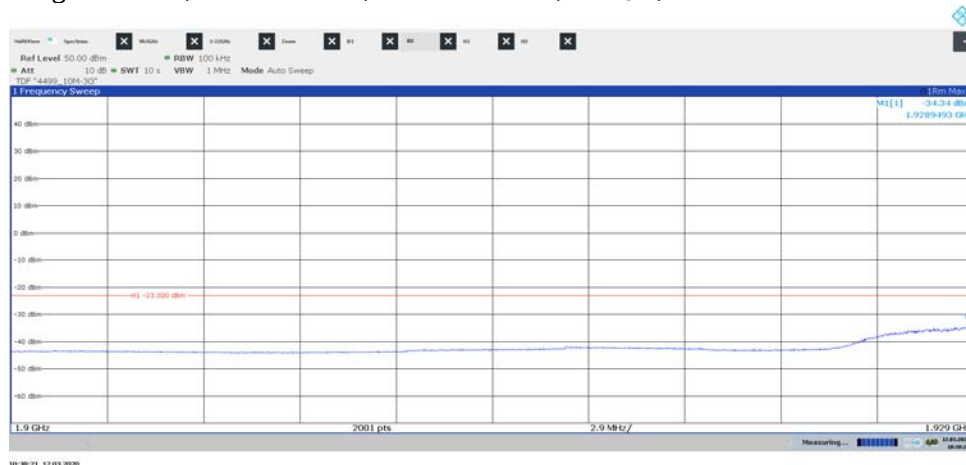


Diagram 2.54a, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port C:

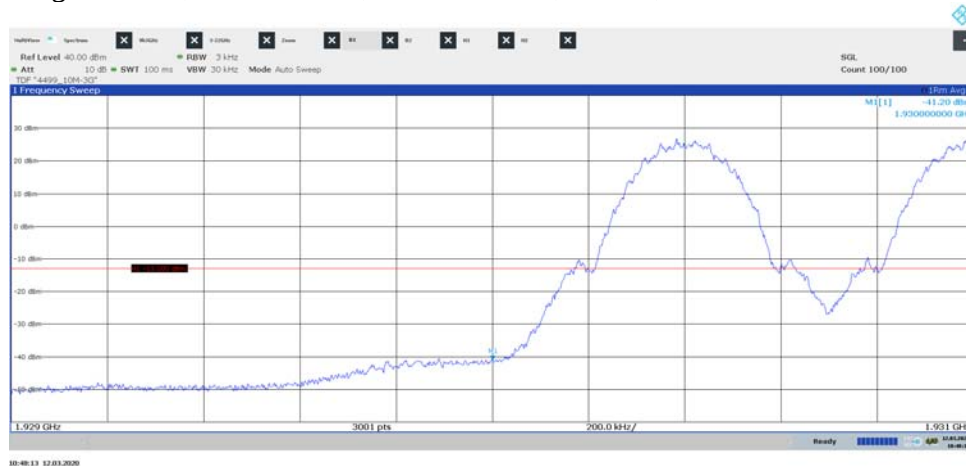


Diagram 2.54b, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port C:

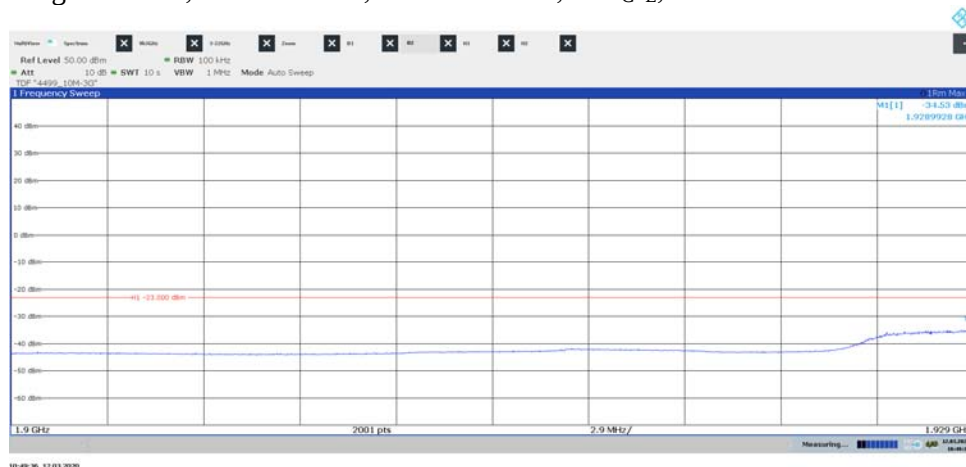


Diagram 2.55a, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port D:

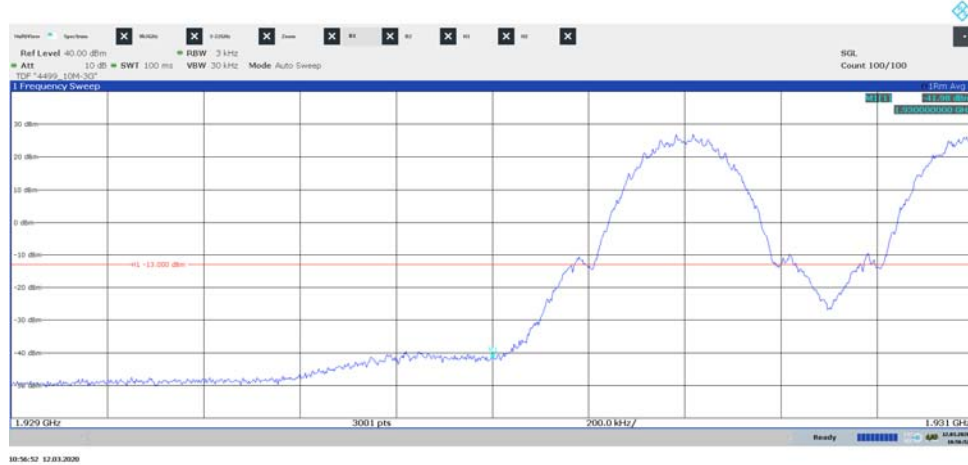


Diagram 2.55b, GSM: GMSK, LTE: E-TM1.1, Bim_{G+L}, Port D:

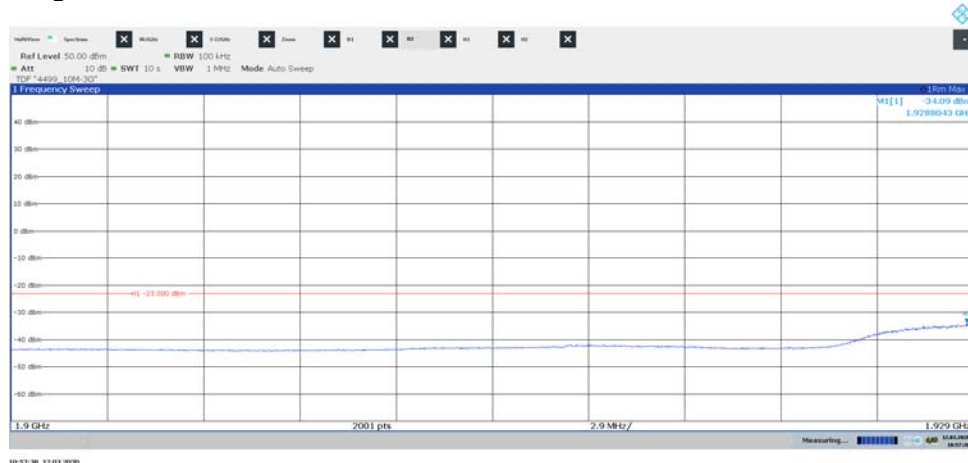


Diagram 2.56a, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port A:

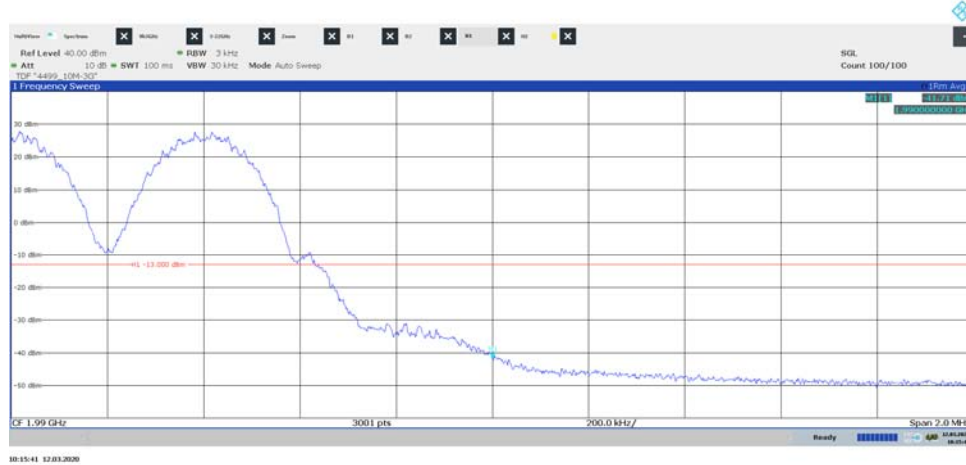


Diagram 2.56b, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port A:

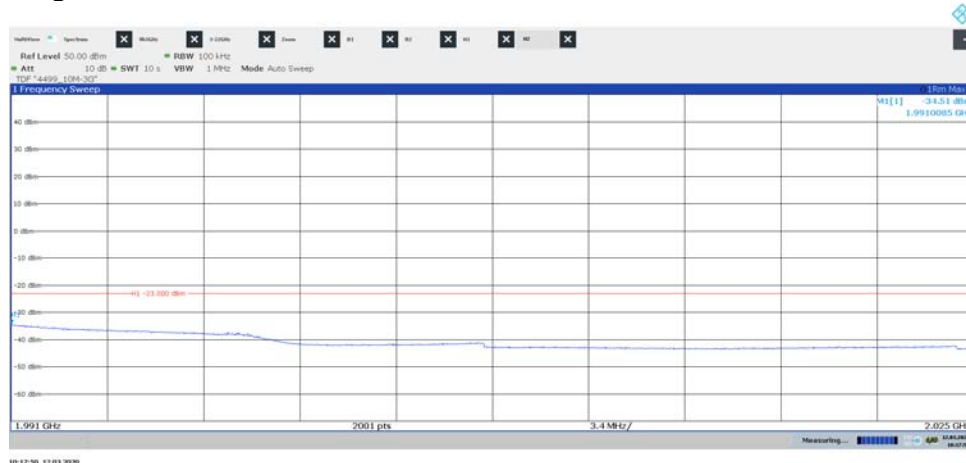


Diagram 2.57a, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port B:

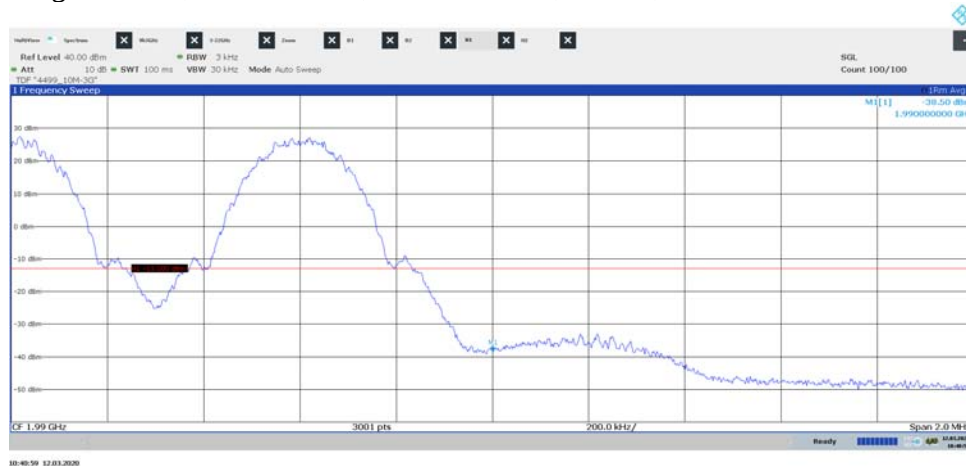


Diagram 2.57b, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port B:

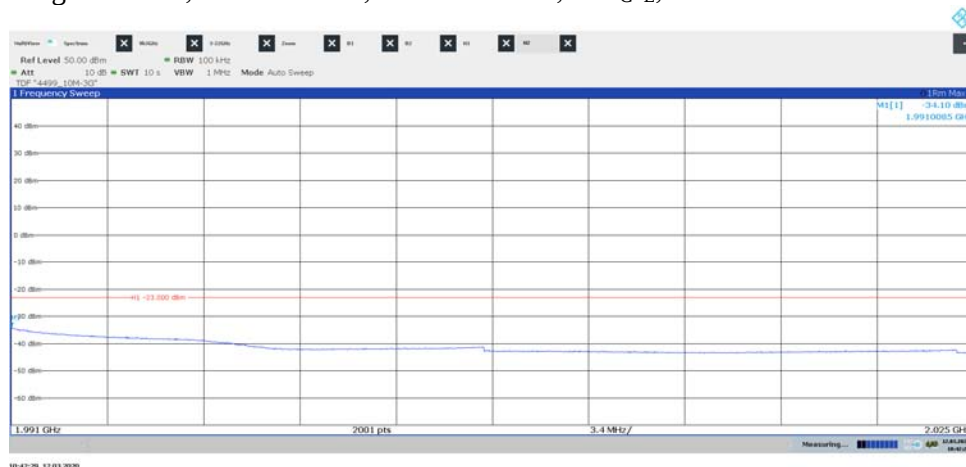


Diagram 2.58a, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port C:

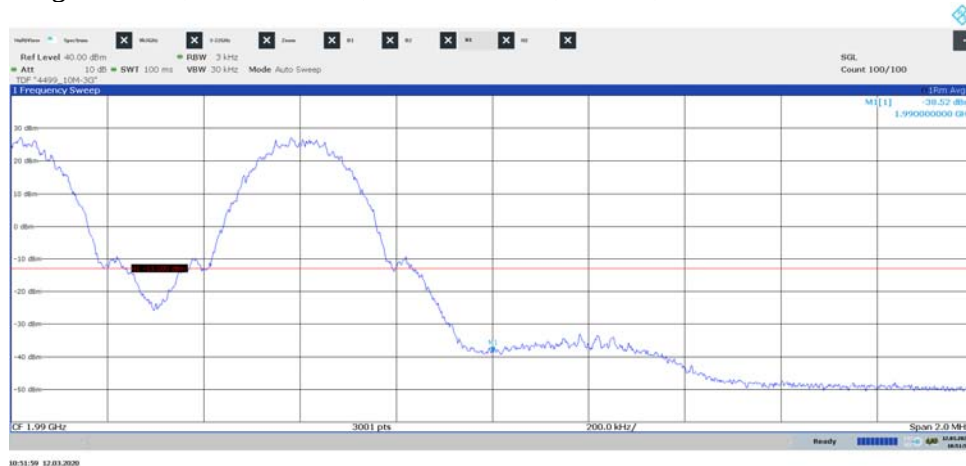


Diagram 2.58b, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port C:

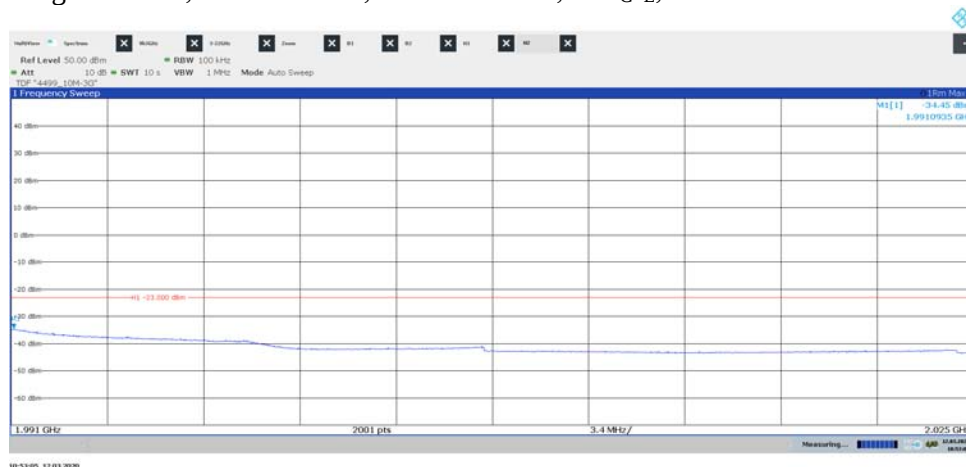


Diagram 2.59a, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port D:

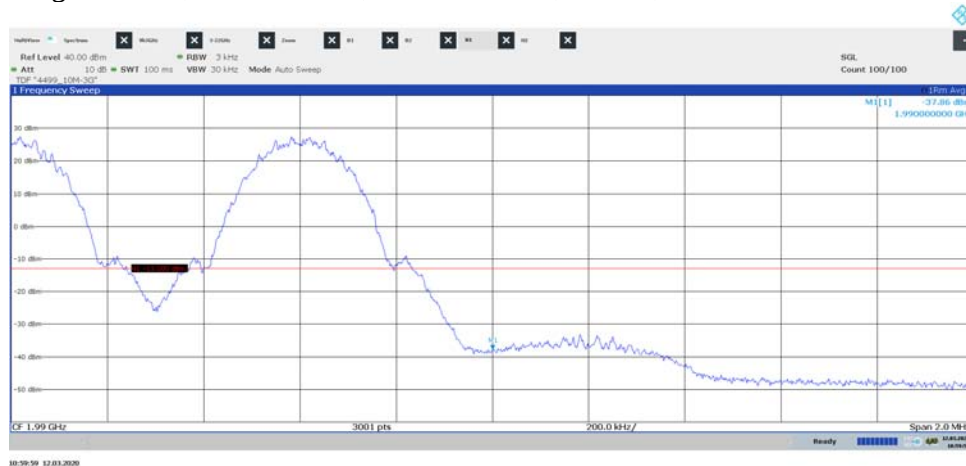


Diagram 2.59b, GSM: GMSK, LTE: E-TM1.1, Tim_{G+L}, Port D:

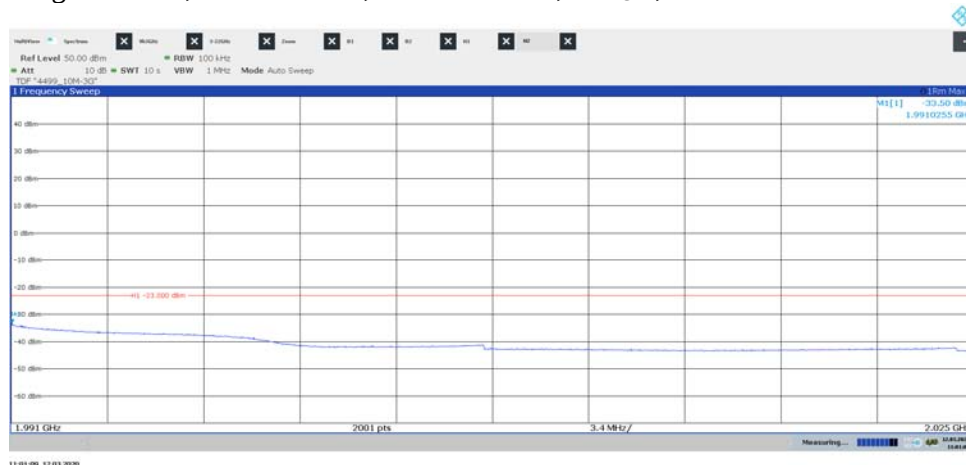


Diagram 2.60a, NB IoT SA: N-TM, LTE: E-TM1.1, B_{IoT+L}, Port A:

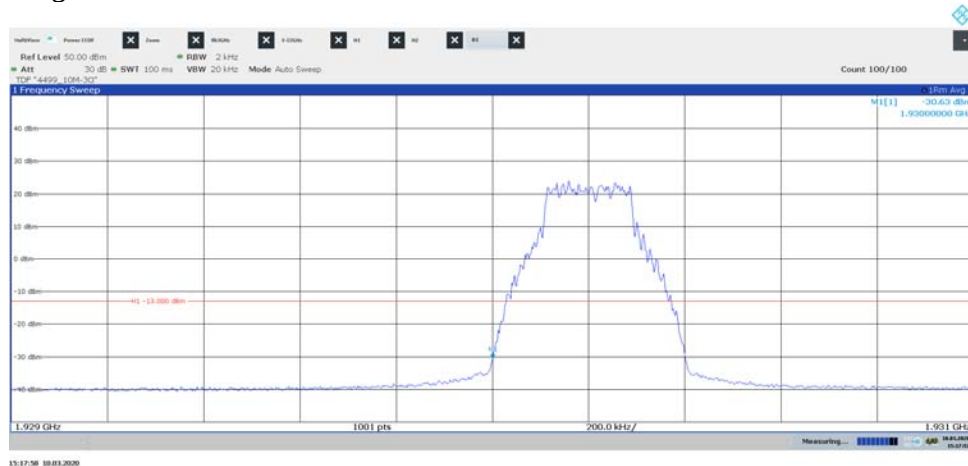


Diagram 2.60b, NB IoT SA: N-TM, LTE: E-TM1.1, B_{IoT+L}, Port A:

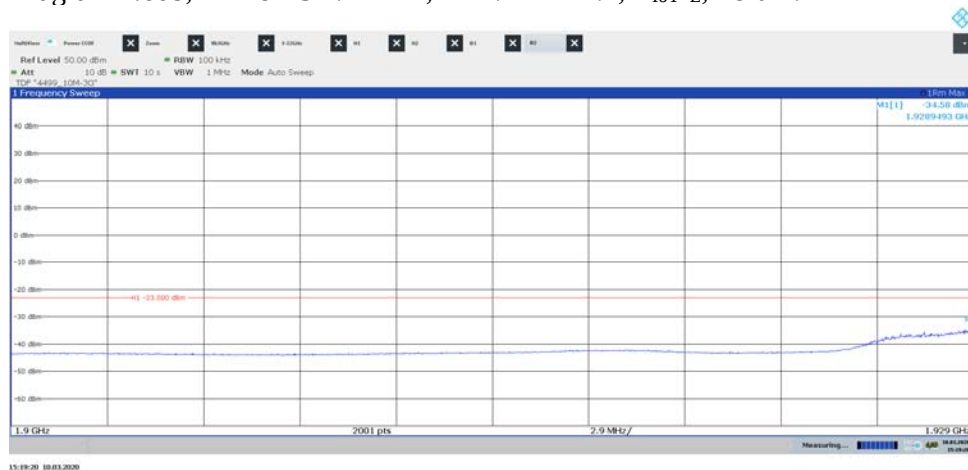


Diagram 2.61a, NB IoT SA: N-TM, LTE: E-TM1.1, T_{IoT+L} , Port A:

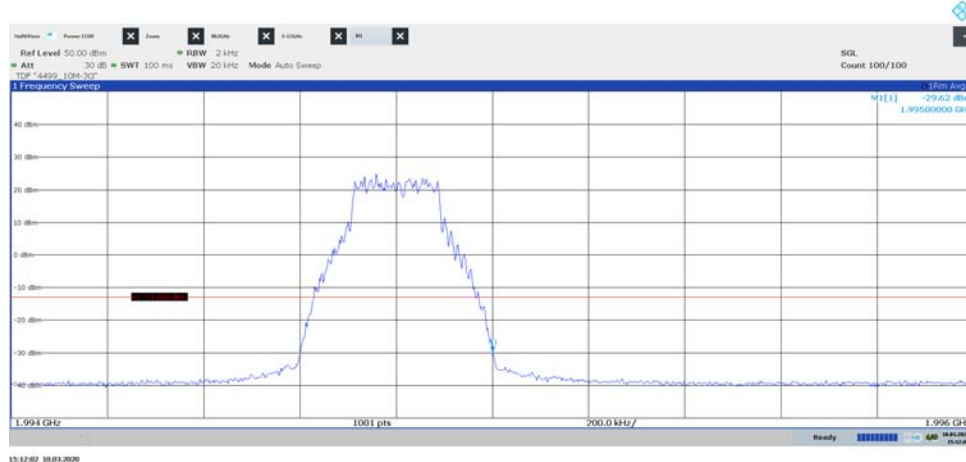


Diagram 2.61b, NB IoT SA: N-TM, LTE: E-TM1.1, T_{IoT+L} , Port A:

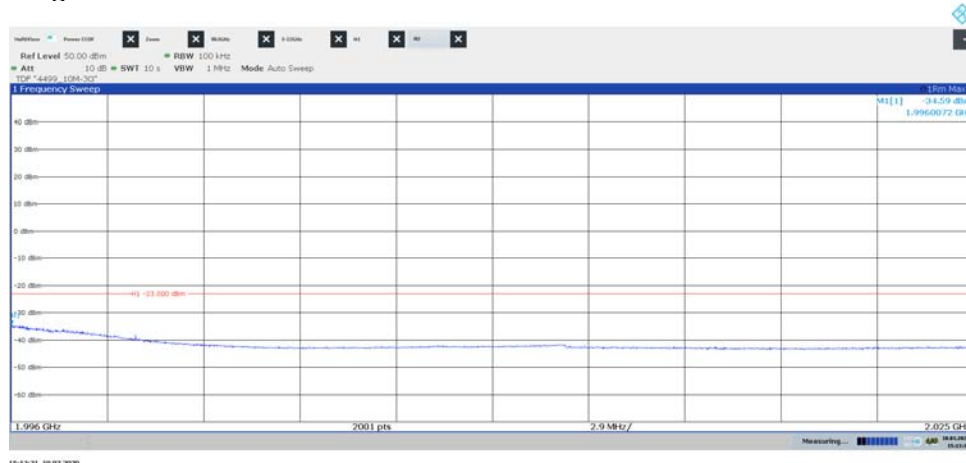


Diagram 2.62a, LTE: E-TM3.1, NB IoT GB: N-TM, B10_{Guard}, Port A:

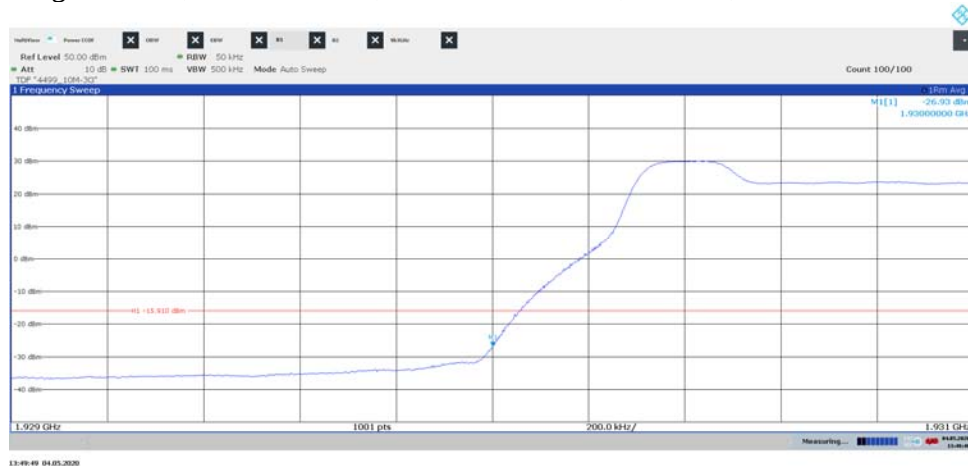


Diagram 2.62b, LTE: E-TM3.1, NB IoT GB: N-TM, B10_{Guard}, Port A:

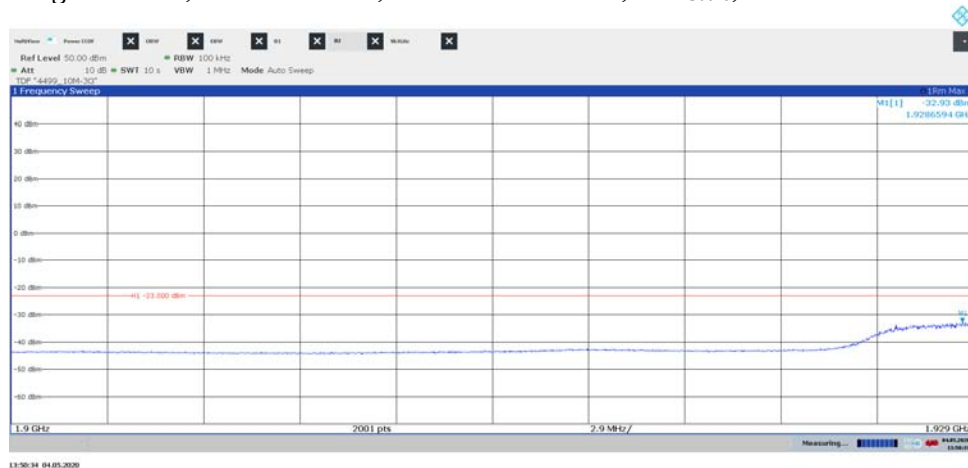


Diagram 2.63a, LTE: E-TM3.1, NB IoT GB: N-TM, B15_{Guard}, Port A:

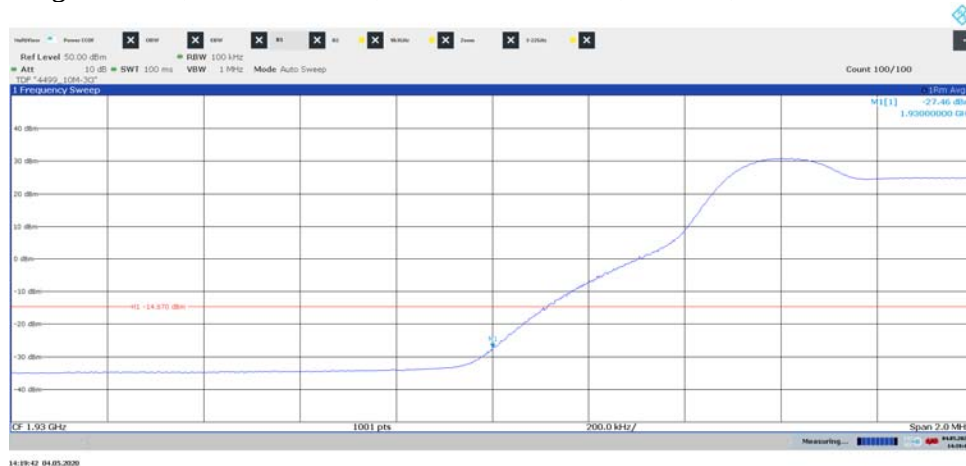


Diagram 2.63b, LTE: E-TM3.1, NB IoT GB: N-TM, B15_{Guard}, Port A:

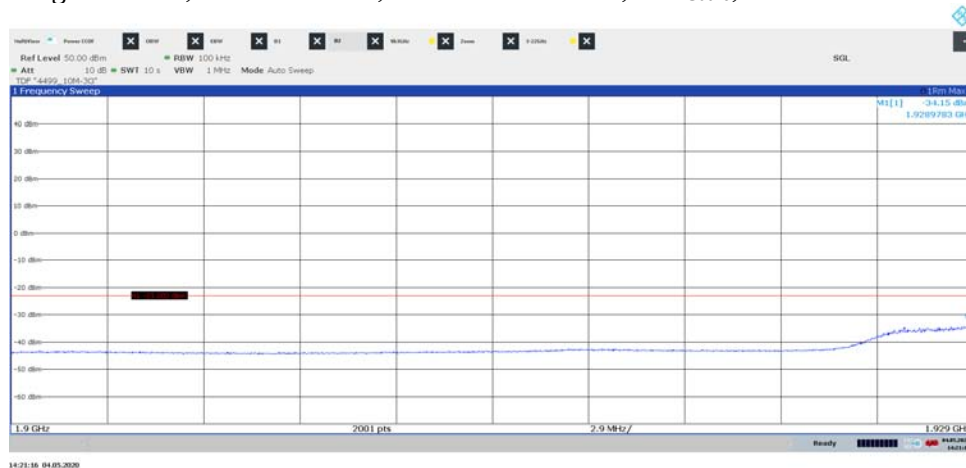


Diagram 2.64a, LTE: E-TM3.1, NB IoT GB: N-TM, B20_{Guard}, Port A:

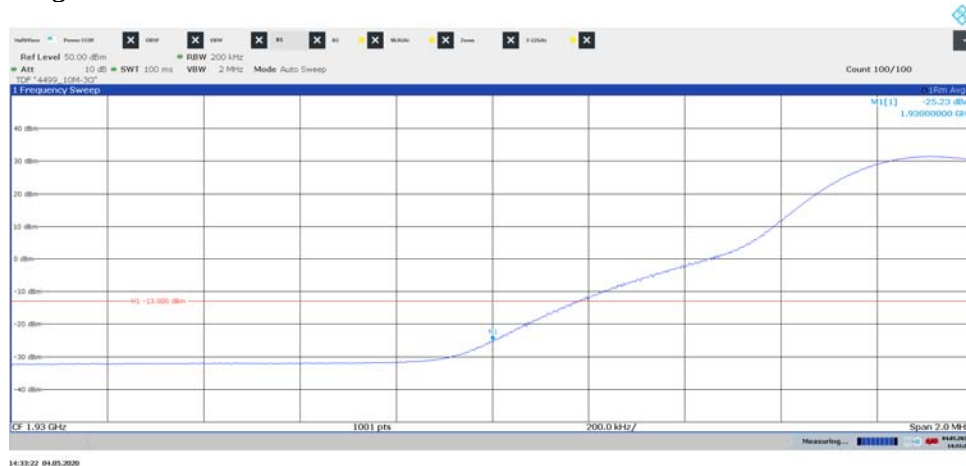


Diagram 2.64b, LTE: E-TM3.1, NB IoT GB: N-TM, B20_{Guard}, Port A:

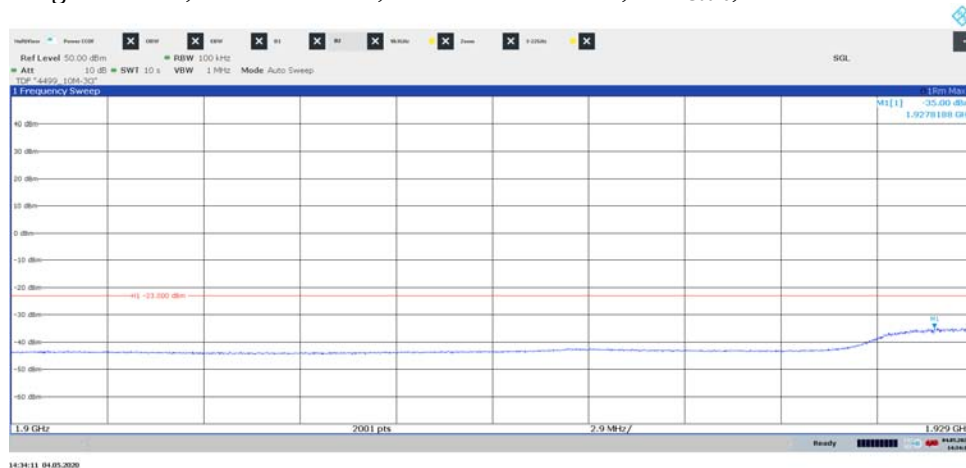


Diagram 2.65a, LTE: E-TM3.1, NB IoT GB: N-TM, T10_{Guard}, Port A:

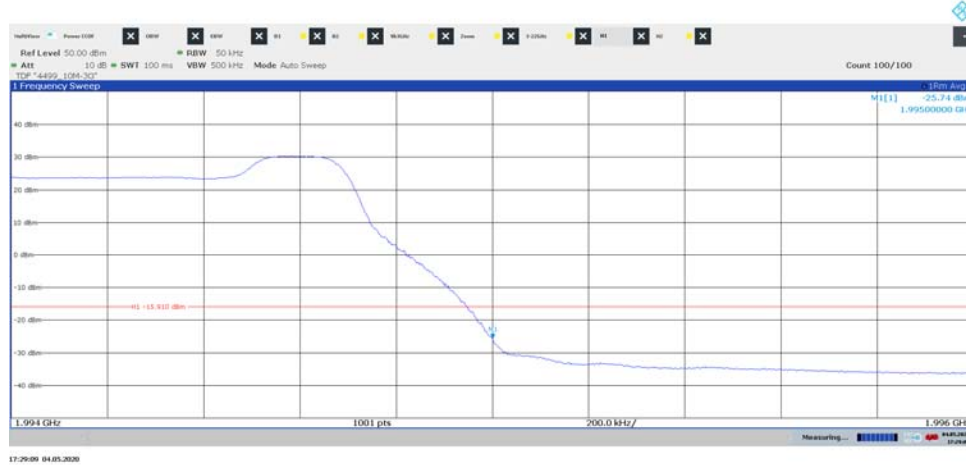


Diagram 2.65b, LTE: E-TM3.1, NB IoT GB: N-TM, T10_{Guard}, Port A:

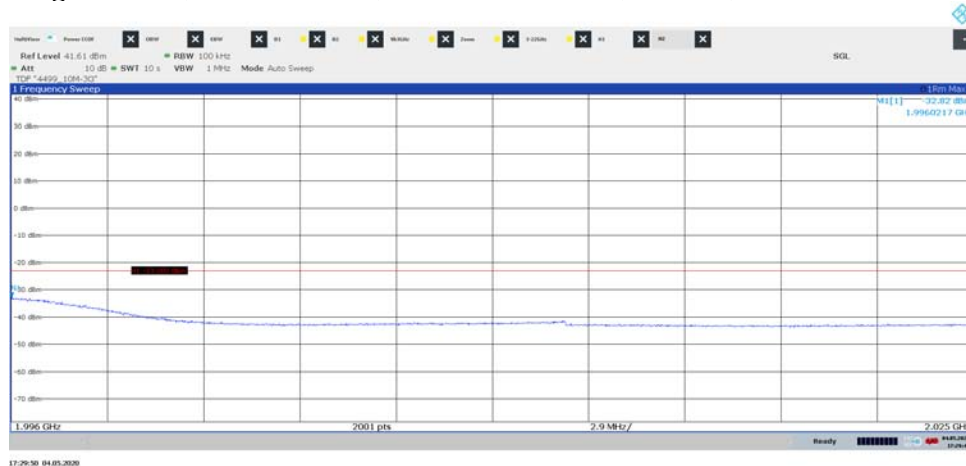


Diagram 2.66a, LTE: E-TM3.1, NB IoT GB: N-TM, T15_{Guard}, Port A:

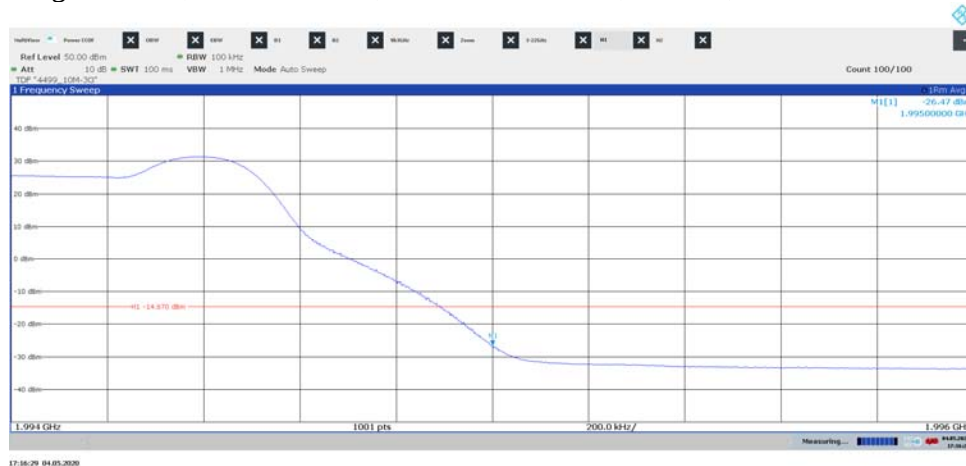


Diagram 2.66b, LTE: E-TM3.1, NB IoT GB: N-TM, T15_{Guard}, Port A:

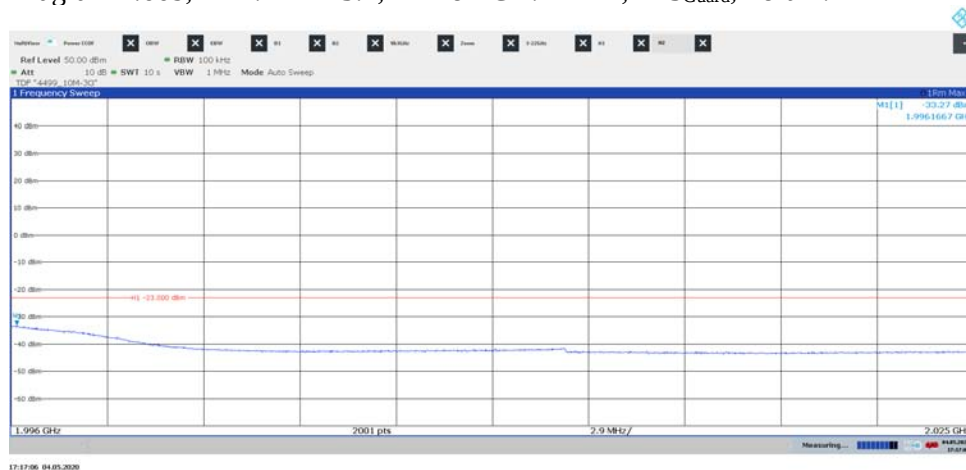


Diagram 2.67a, LTE: E-TM3.1, NB IoT GB: N-TM, T20_{Guard}, Port A:

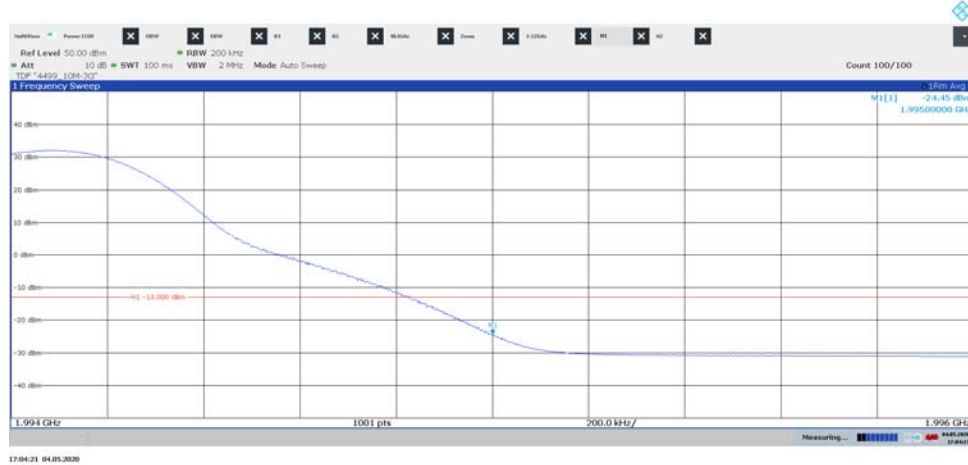


Diagram 2.67b, LTE: E-TM3.1, NB IoT GB: N-TM, T20_{Guard}, Port A:

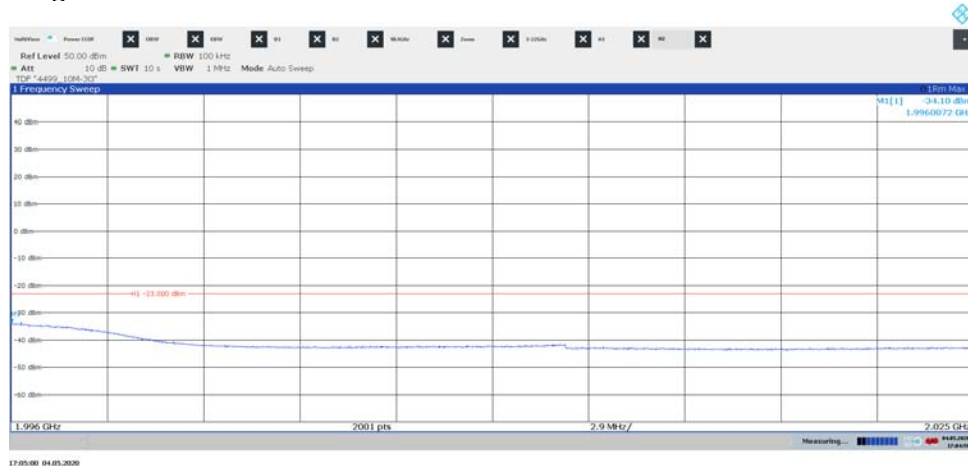


Diagram 2.68a, NB IoT SA: N-TM, LTE: E-TM1.1, B_{IoT+L}, Port B:



Diagram 2.68b, NB IoT SA: N-TM, LTE: E-TM1.1, B_{IoT+L}, Port B:

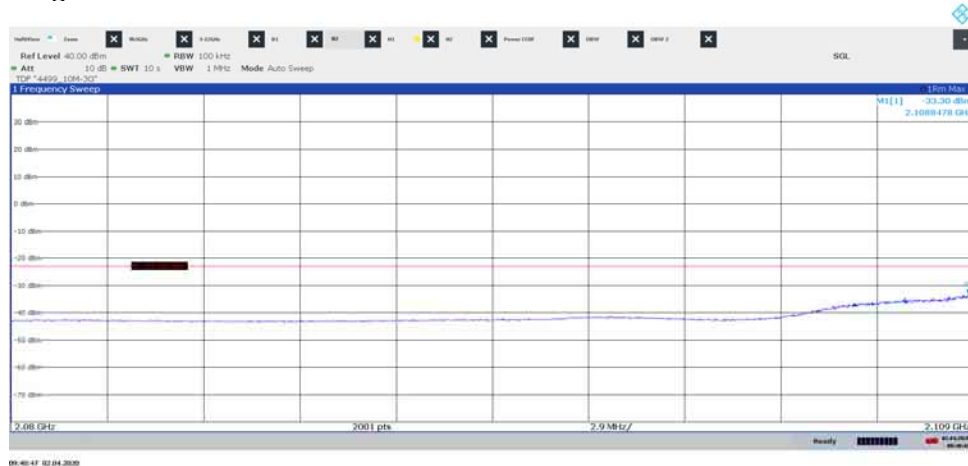


Diagram 2.69a, NB IoT SA: N-TM, LTE: E-TM1.1, T_{IoT+L} , Port B:

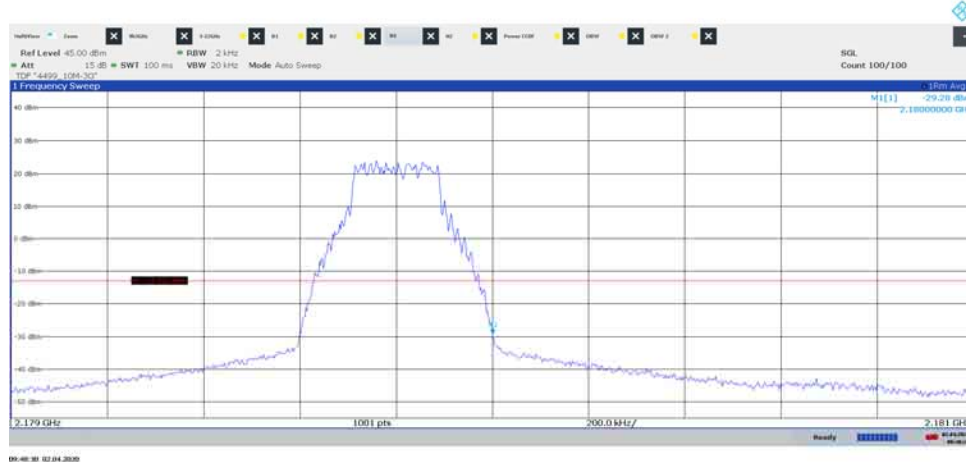


Diagram 2.69b, NB IoT SA: N-TM, LTE: E-TM1.1, T_{IoT+L} , Port B:



Diagram 2.70a, LTE: E-TM3.1, NB IoT GB: N-TM, B10_{Guard}, Port B:

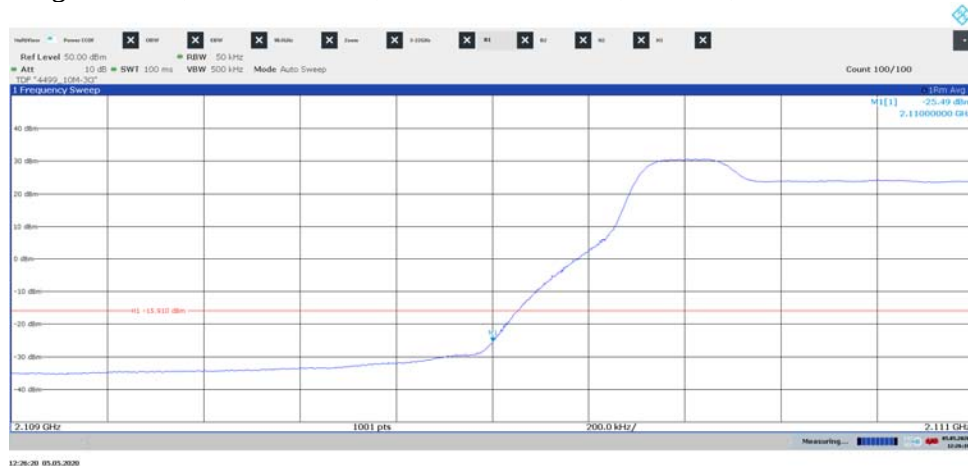


Diagram 2.70b, LTE: E-TM3.1, NB IoT GB: N-TM, B10_{Guard}, Port B:

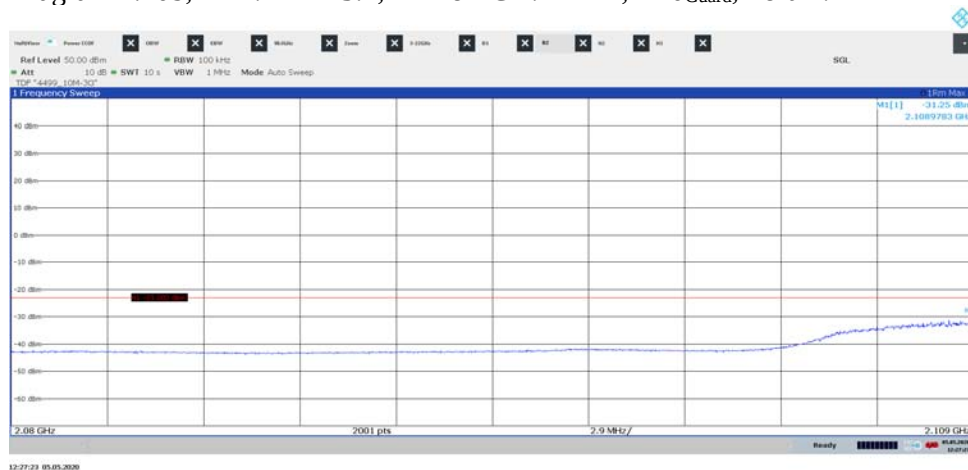


Diagram 2.71a, LTE: E-TM3.1, NB IoT GB: N-TM, B15_{Guard}, Port B:

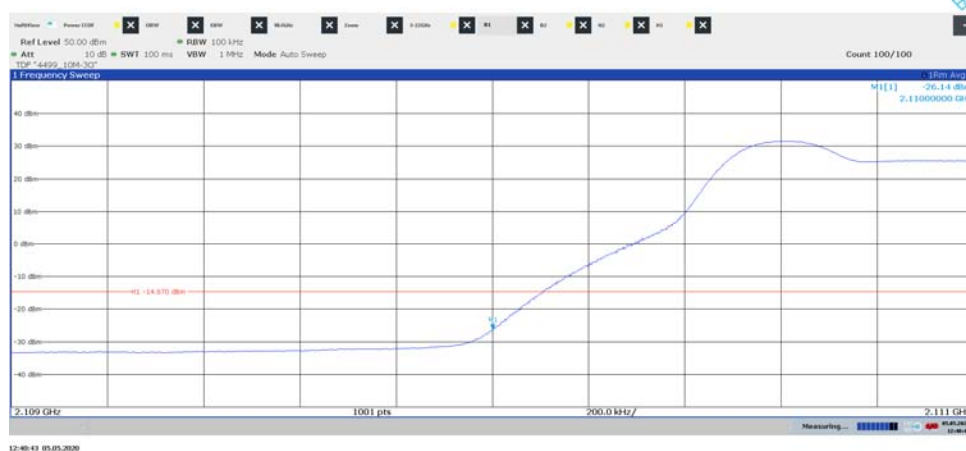


Diagram 2.71b, LTE: E-TM3.1, NB IoT GB: N-TM, B15_{Guard}, Port B:

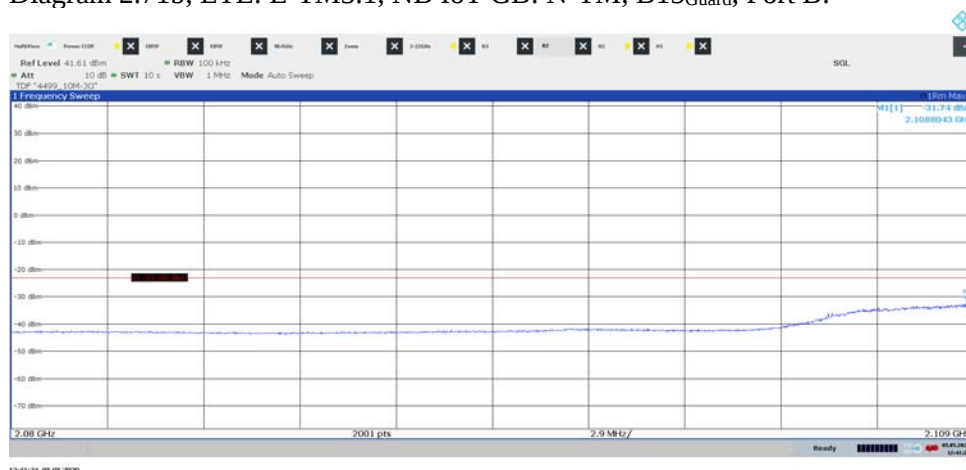


Diagram 2.72a, LTE: E-TM3.1, NB IoT GB: N-TM, B20_{Guard}, Port B:

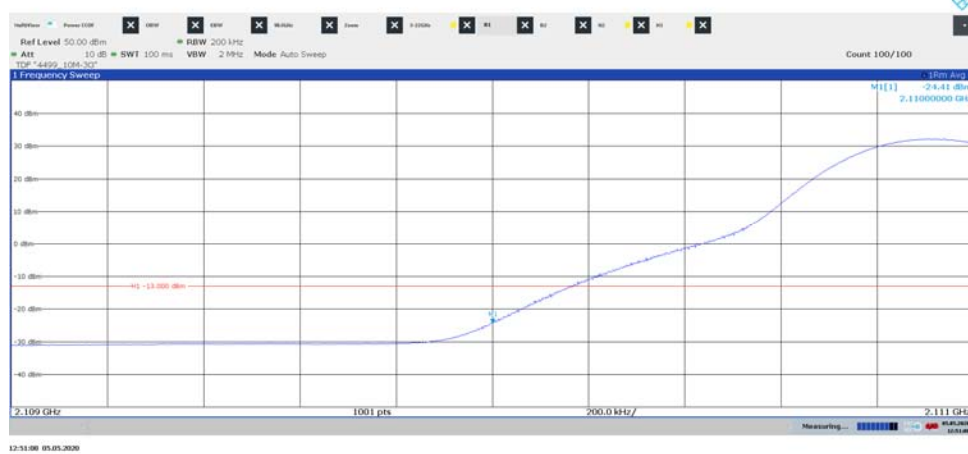


Diagram 2.72b, LTE: E-TM3.1, NB IoT GB: N-TM, B20_{Guard}, Port B:

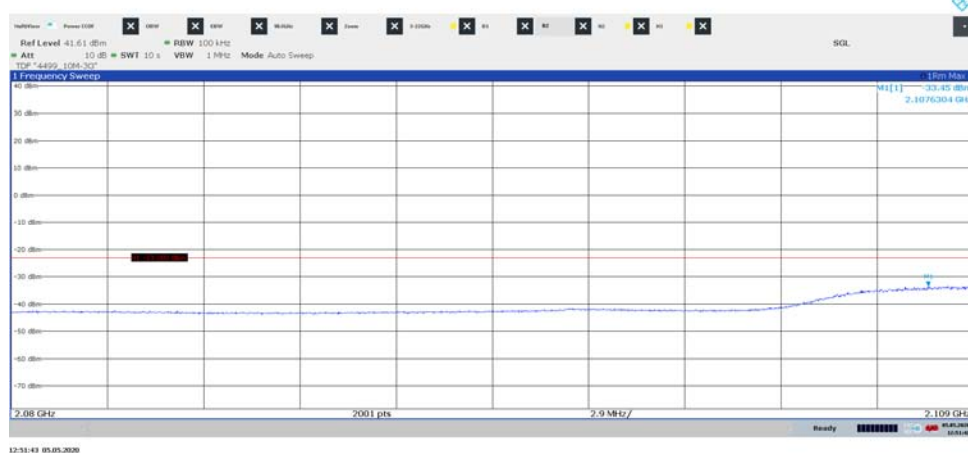


Diagram 2.73a, LTE: E-TM3.1, NB IoT GB: N-TM, T10_{Guard}, Port B:

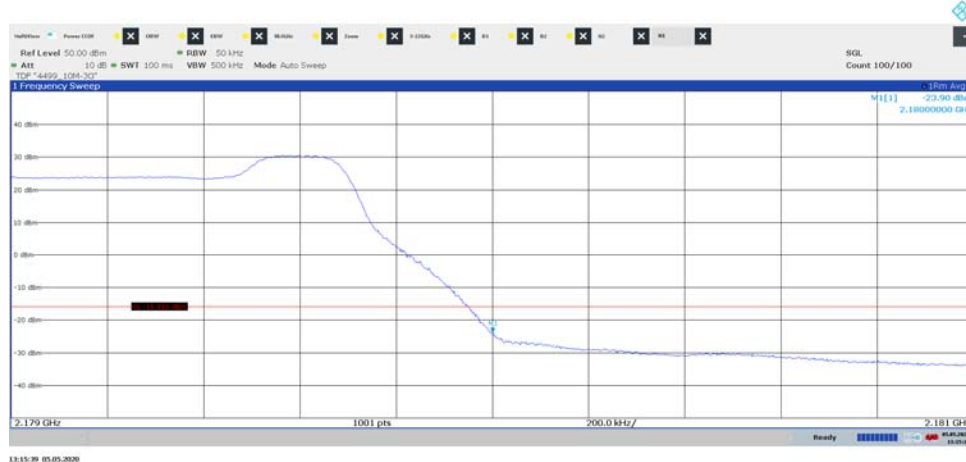


Diagram 2.73b, LTE: E-TM3.1, NB IoT GB: N-TM, T10_{Guard}, Port B:

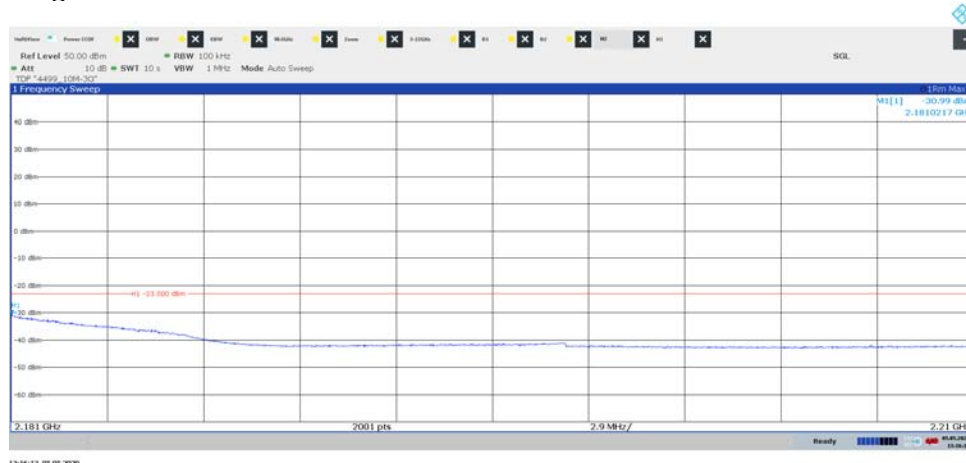


Diagram 2.74a, LTE: E-TM3.1, NB IoT GB: N-TM, T15_{Guard}, Port B:

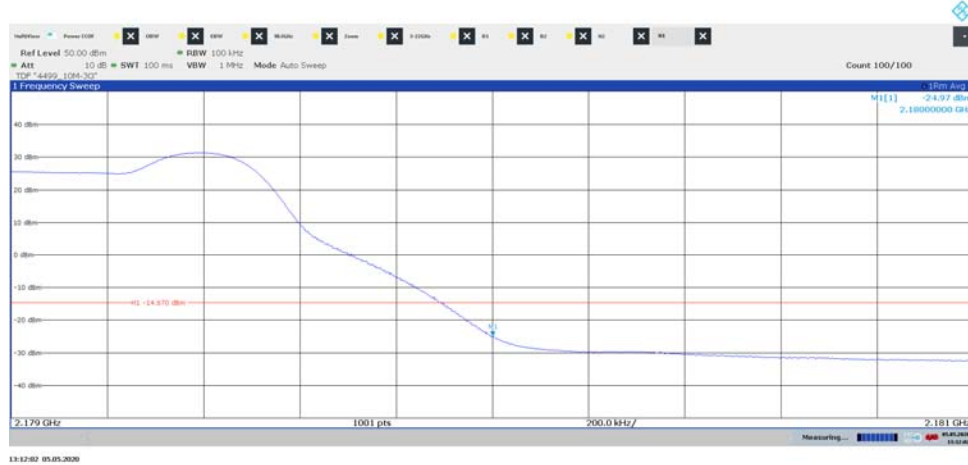


Diagram 2.74b, LTE: E-TM3.1, NB IoT GB: N-TM, T15_{Guard}, Port B:

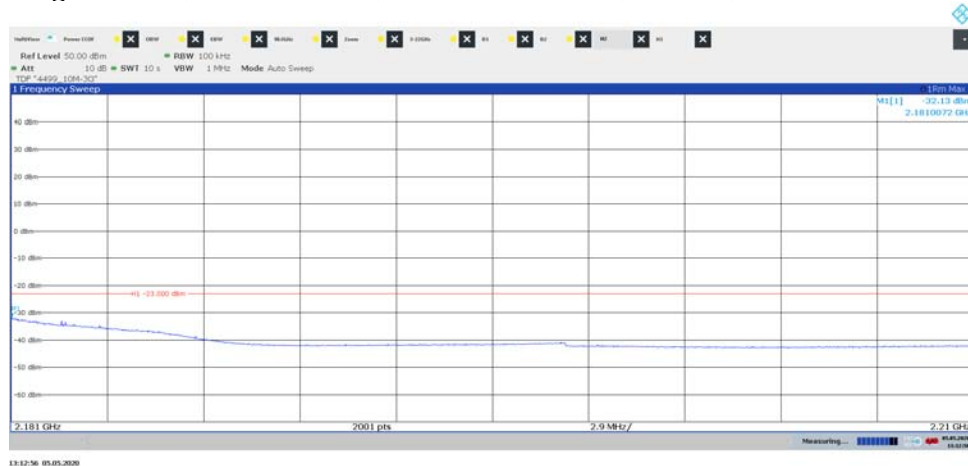


Diagram 2.75a, LTE: E-TM3.1, NB IoT GB: N-TM, T20_{Guard}, Port B:

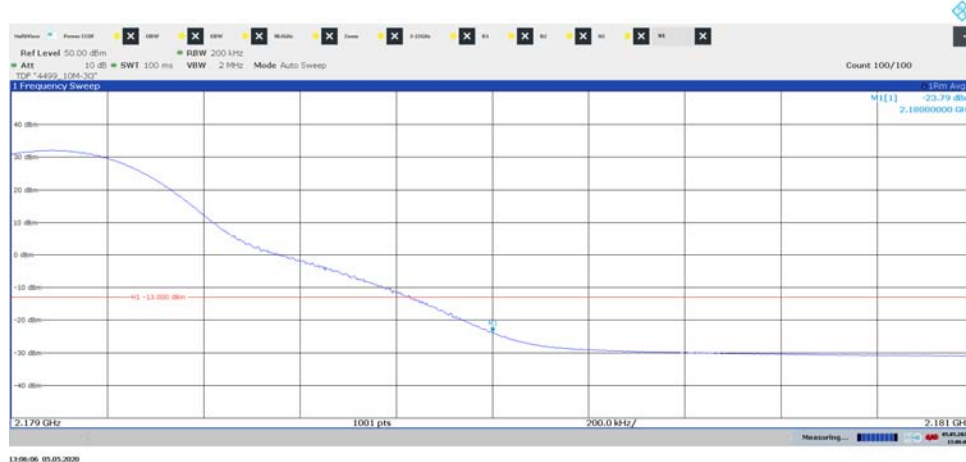


Diagram 2.75b, LTE: E-TM3.1, NB IoT GB: N-TM, T20_{Guard}, Port B:

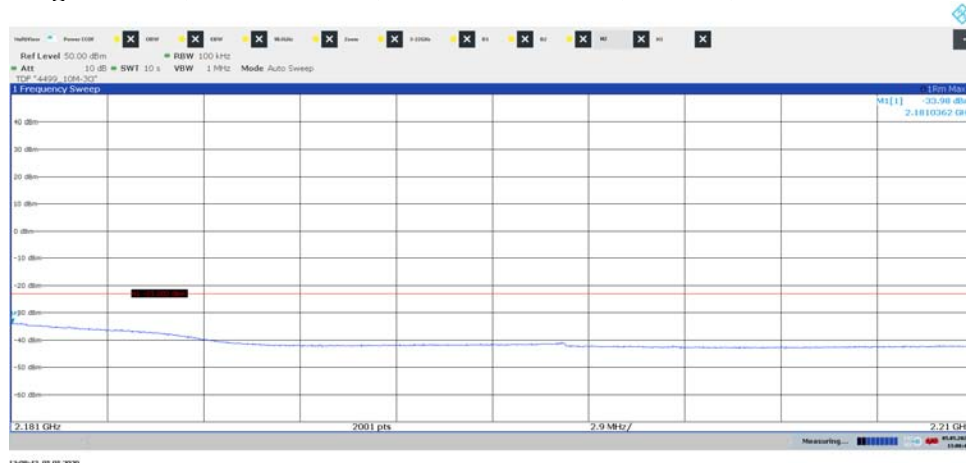


Diagram 2.76a, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1, Bim_{G+IoT+L}, Port A:

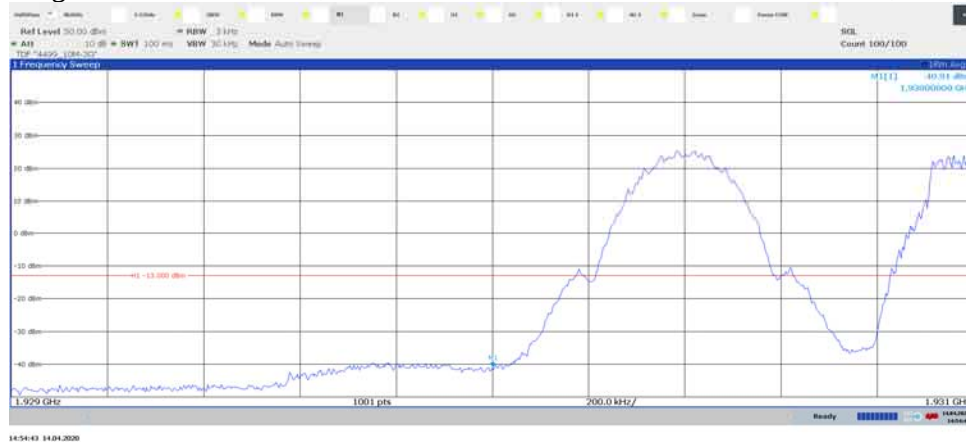


Diagram 2.76b, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1, Bim_{G+IoT+L}, Port A:

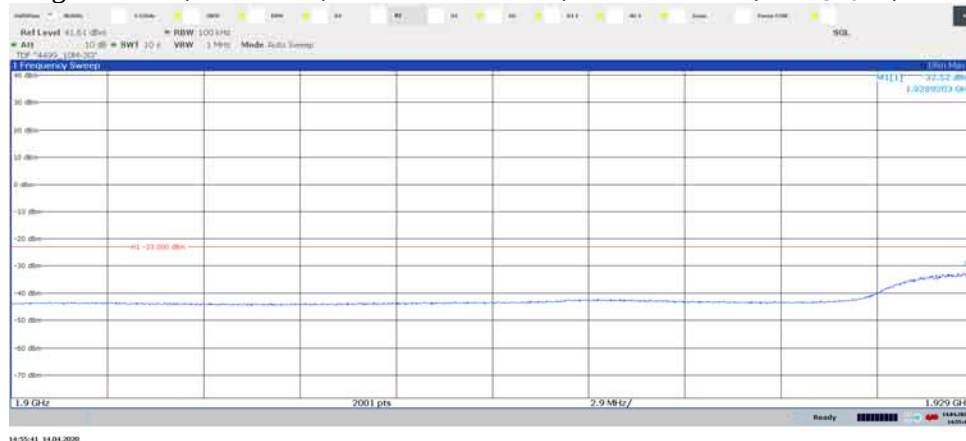


Diagram 2.77a, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1, $\text{Tim}_{\text{G+IoT+L}}$, Port A

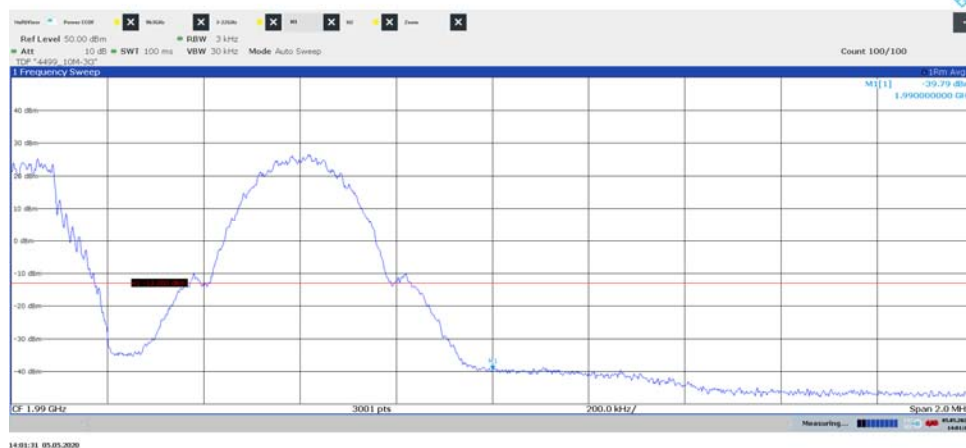


Diagram 2.77b, G: GMSK, NB IoT SA: N-TM, LTE: E-TM1.1, $\text{Tim}_{\text{G+IoT+L}}$, Port A

