

Annex 1: Measurement diagrams to
TEST REPORT
No.: 19-1-0106801T02a

According to:
FCC Regulations
Part 15.519

for

Siemens Aktiengesellschaft

SIMATIC RTLS4083T
6GT2700-5DC13

FCC ID: SCF4083T01

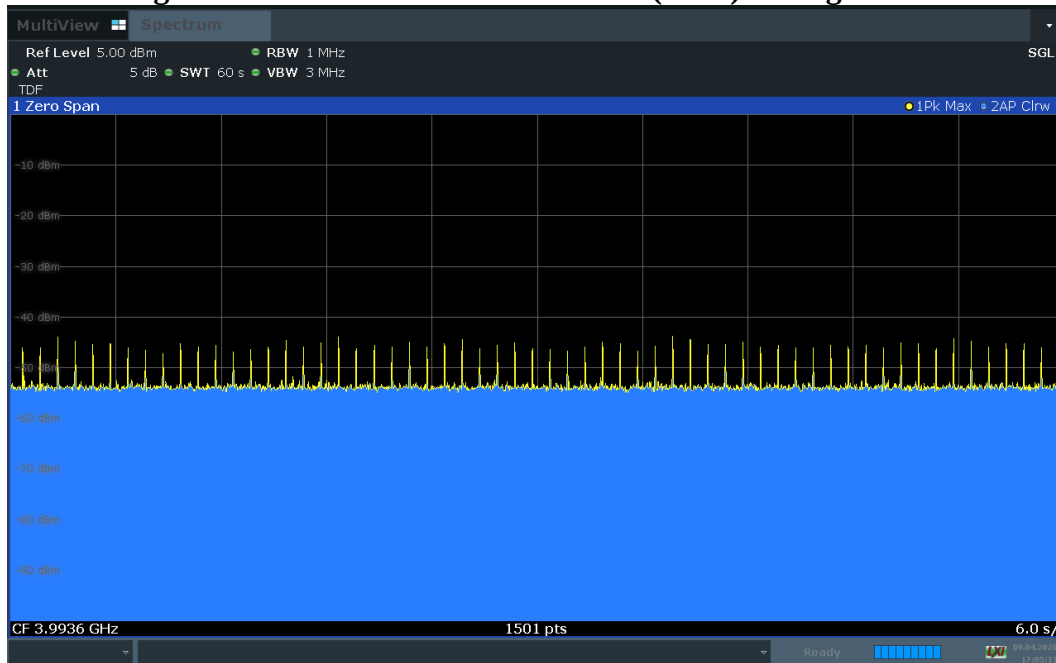
Laboratory Accreditation
 Deutsche Akkreditierungsstelle D-PL-12047-01-01 D-PL-12047-01-03 D-PL-12047-01-04
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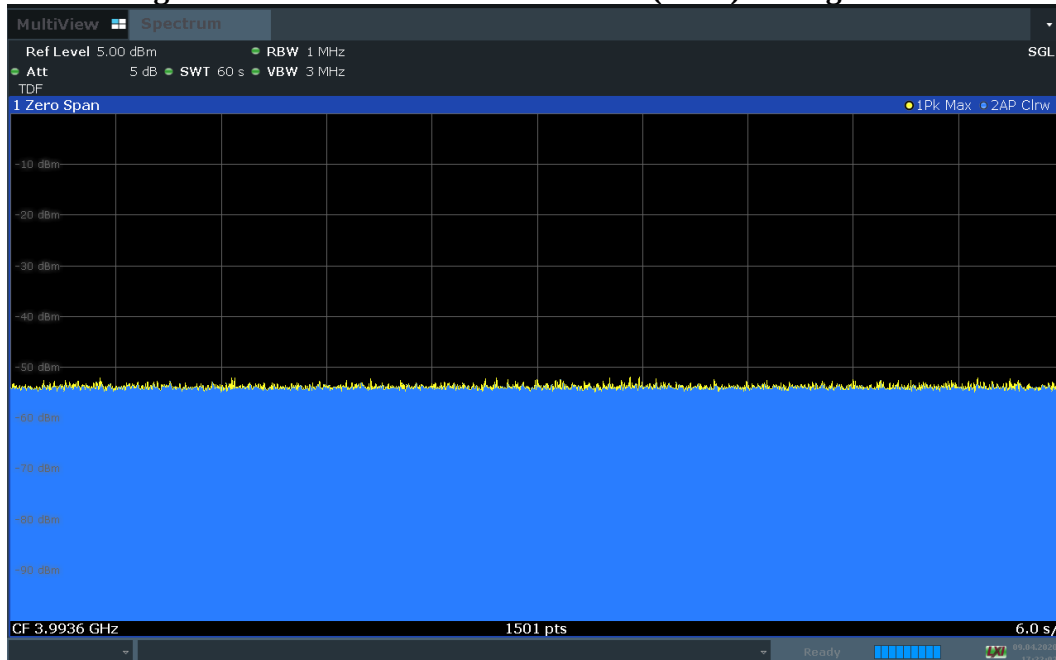
1. Transmission time measurement

1.1. Test duration 60 s. The UWB intentional radiator (EUT A) receives an acknowledgement from the associated receiver (AE 1) during all the test time.



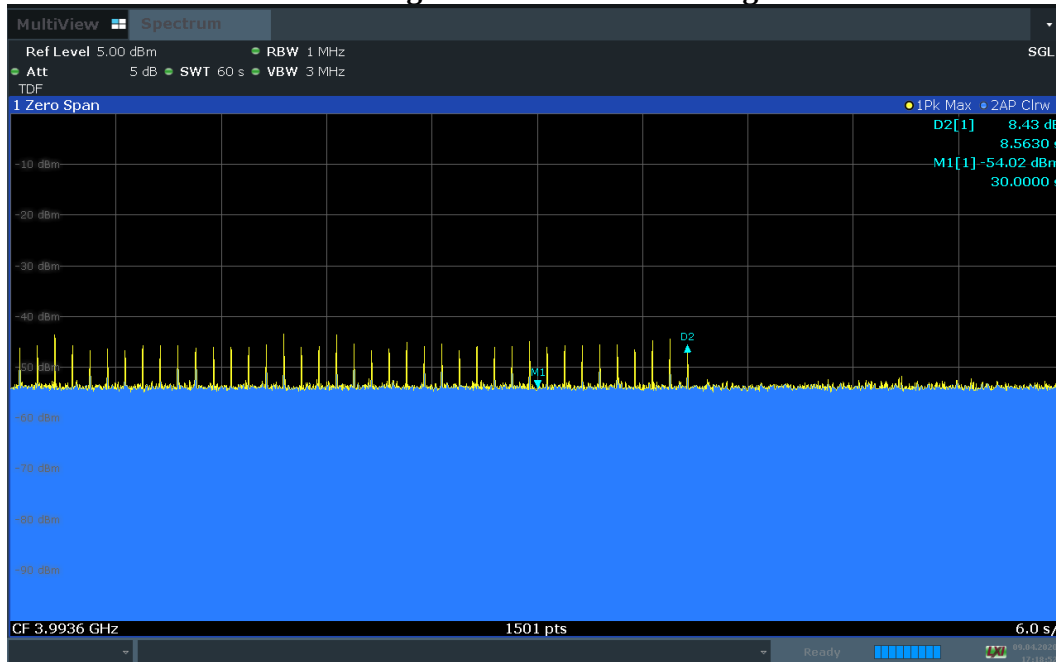
17:05:14 09.04.2020

1.2. Test duration 60 s. The UWB intentional radiator (EUT A) doesn't receive an acknowledgement from the associated receiver (AE 1) during all the test time.



17:22:03 09.04.2020

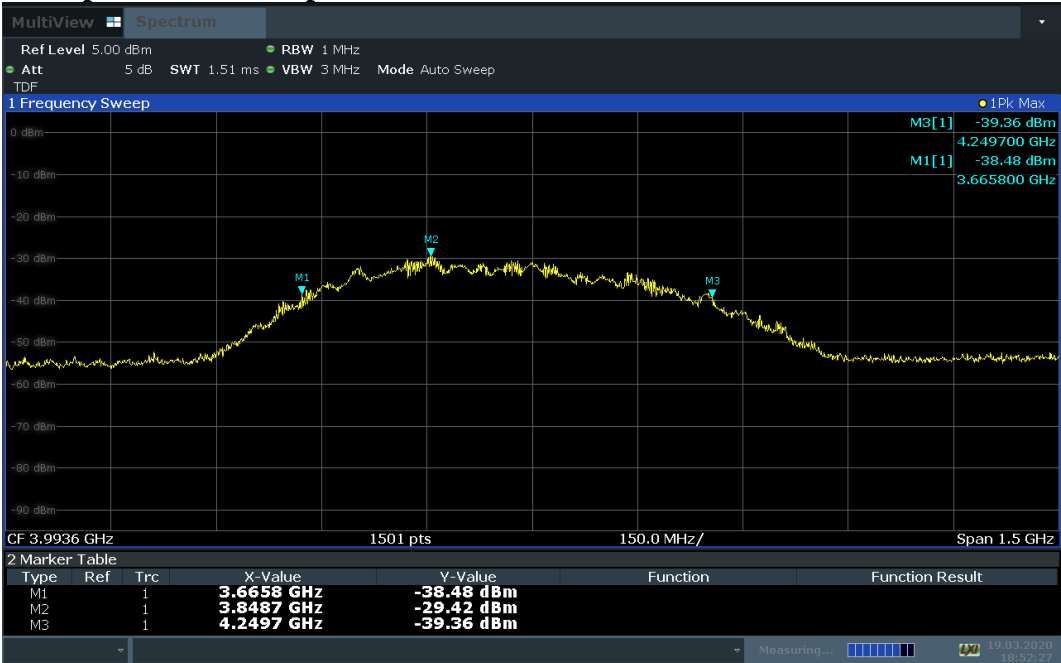
1.3. Test duration 60 s. The UWB intentional radiator (EUT A) receives an acknowledgement from the associated receiver (AE 1) during the time 0 s – 30 s. EUT A doesn't receive an acknowledgement from AE 1 during the time 30 s – 60 s.



17:18:53 09.04.2020

2. 10 dB bandwidth measurement

2.1. Op. Mode 1. Set-up 1.

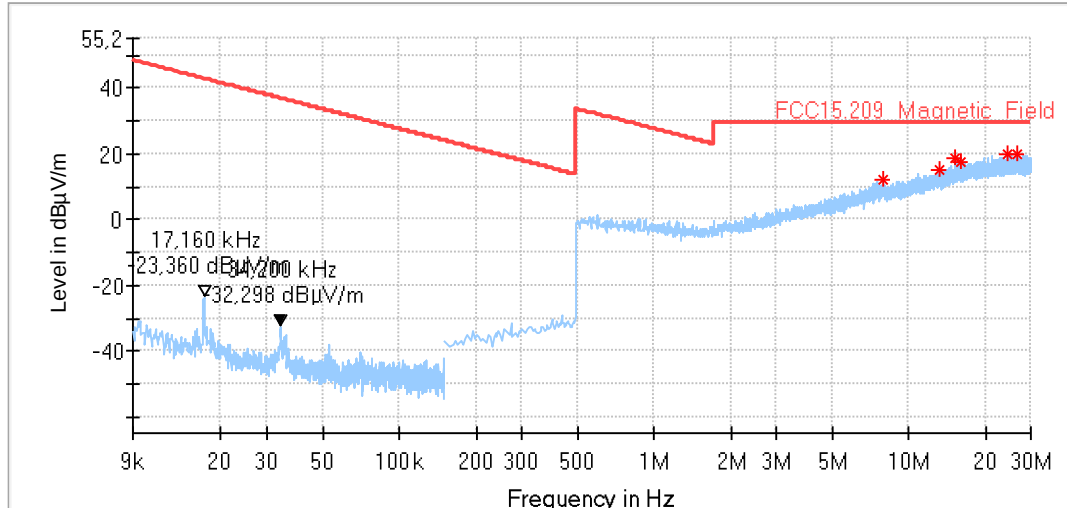


18:52:27 19.03.2020

3. General Limit - Radiated field strength emissions below 30 MHz

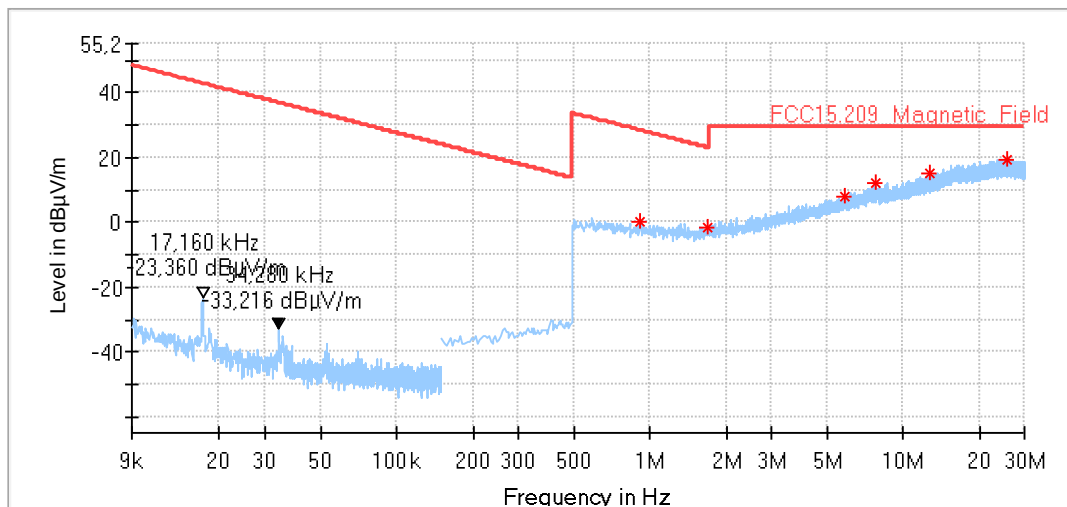
3.1. Op. Mode 1, laying, set-up 1.

Full Spectrum



3.2. Op. Mode 1, standing, set-up 1.

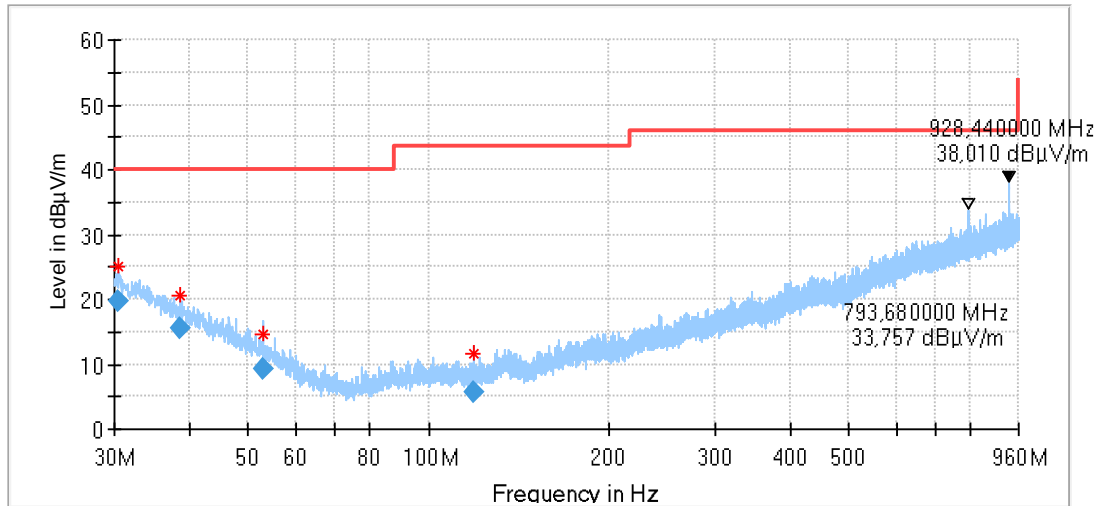
Full Spectrum



4. General Limit - Radiated field strength emissions, 30 MHz - 1 GHz

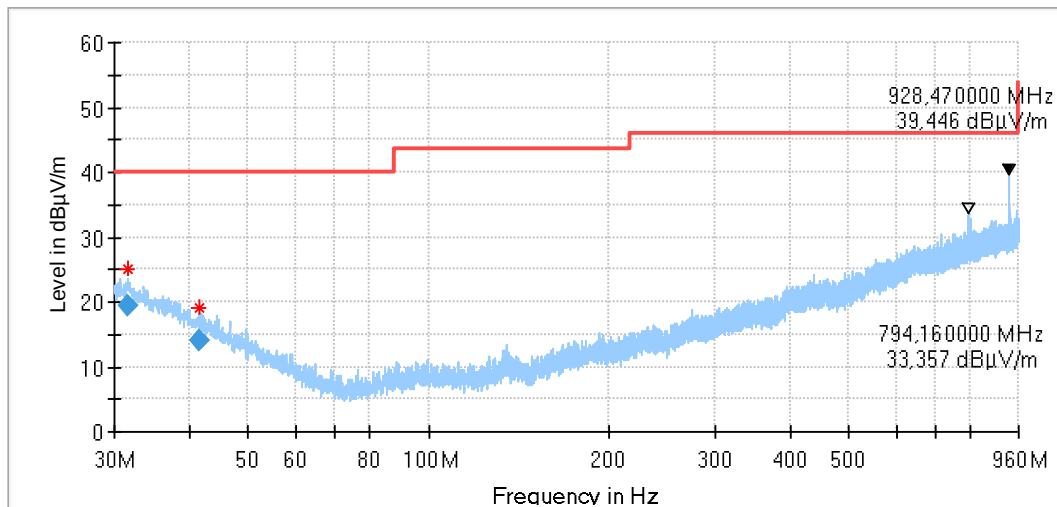
4.1. Op. Mode 1, laying, set-up 1.

Full Spectrum



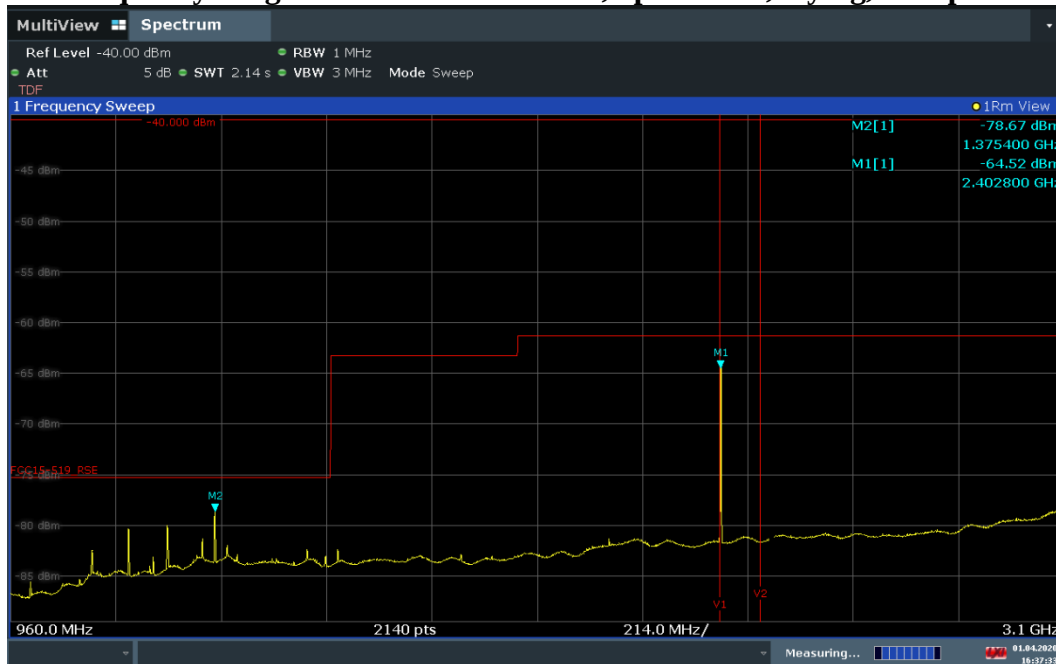
4.2. Op. Mode 1, standing, set-up 1.

Full Spectrum



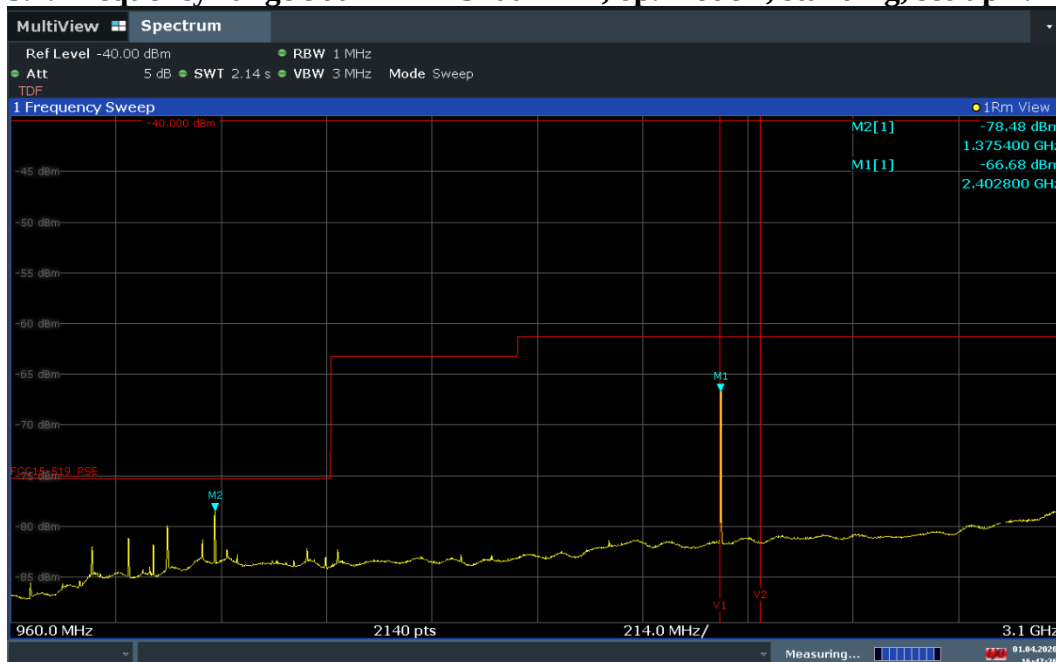
5. General Limit – Radiated field strength emissions, above 960 MHz

5.1. Frequency range 960 MHz – 3100 MHz, op. mode 1, laying, set-up 1.



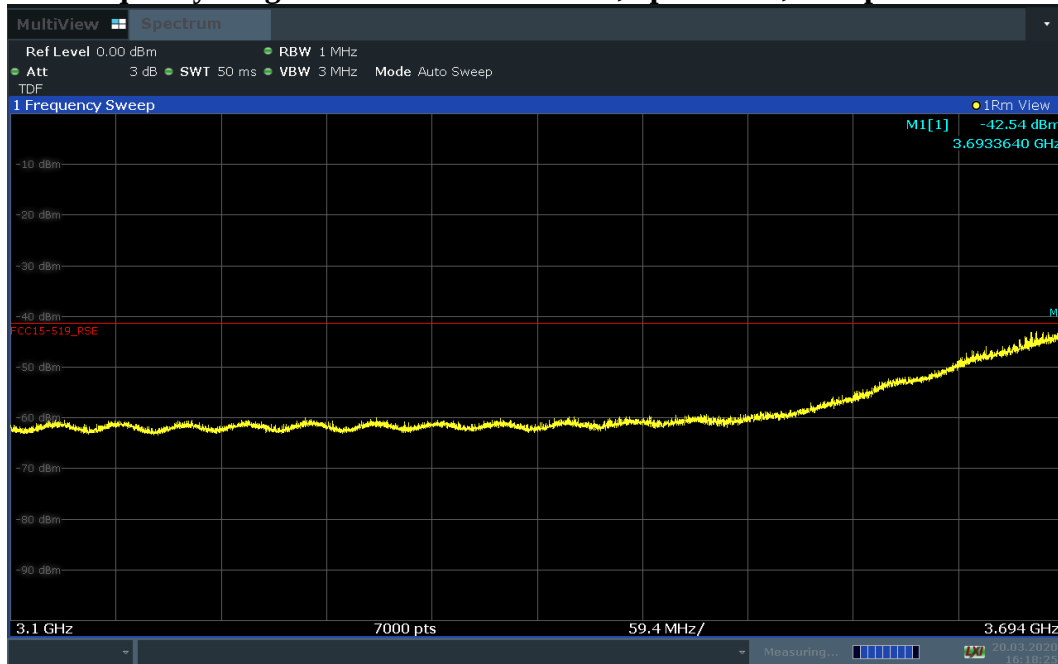
16:37:33 01.04.2020

5.2. Frequency range 960 MHz – 3100 MHz, op. mode 1, standing, set-up 1.



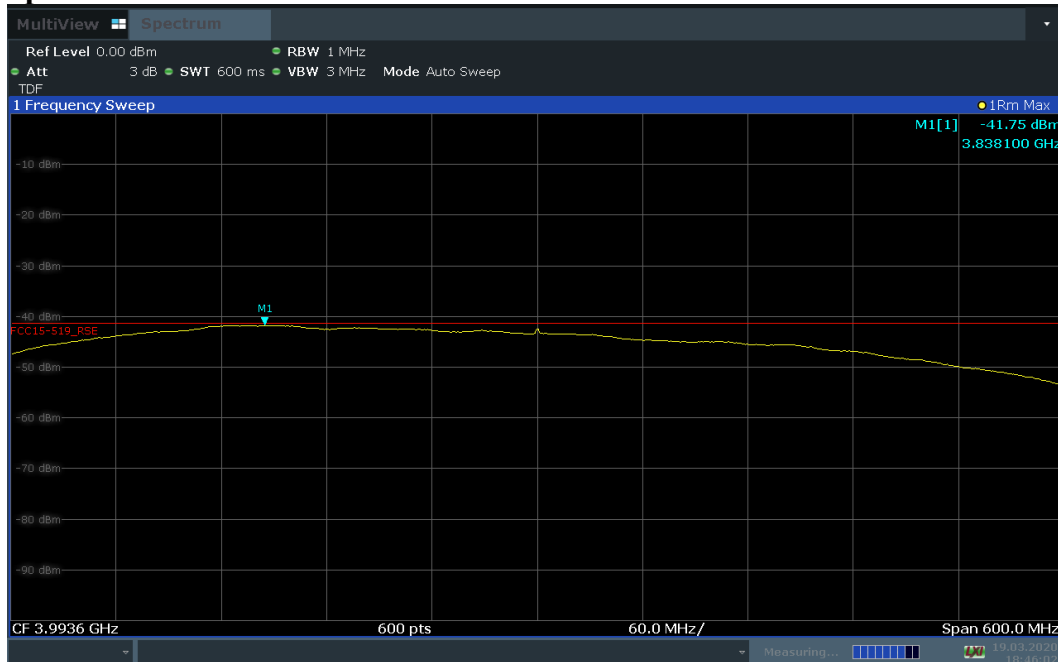
16:47:26 01.04.2020

5.3. Frequency range 3100 MHz – 3694 MHz, op. mode 1, set-up 1.



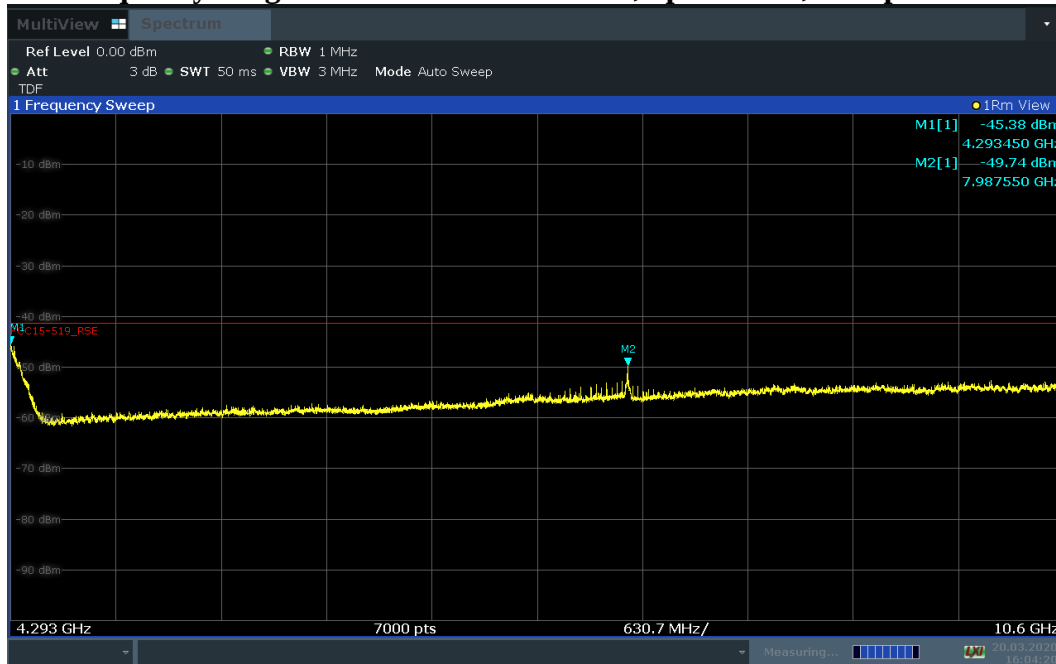
16:18:26 20.03.2020

5.4. UWB Ch. 2 cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. Mode 1, set-up 1.



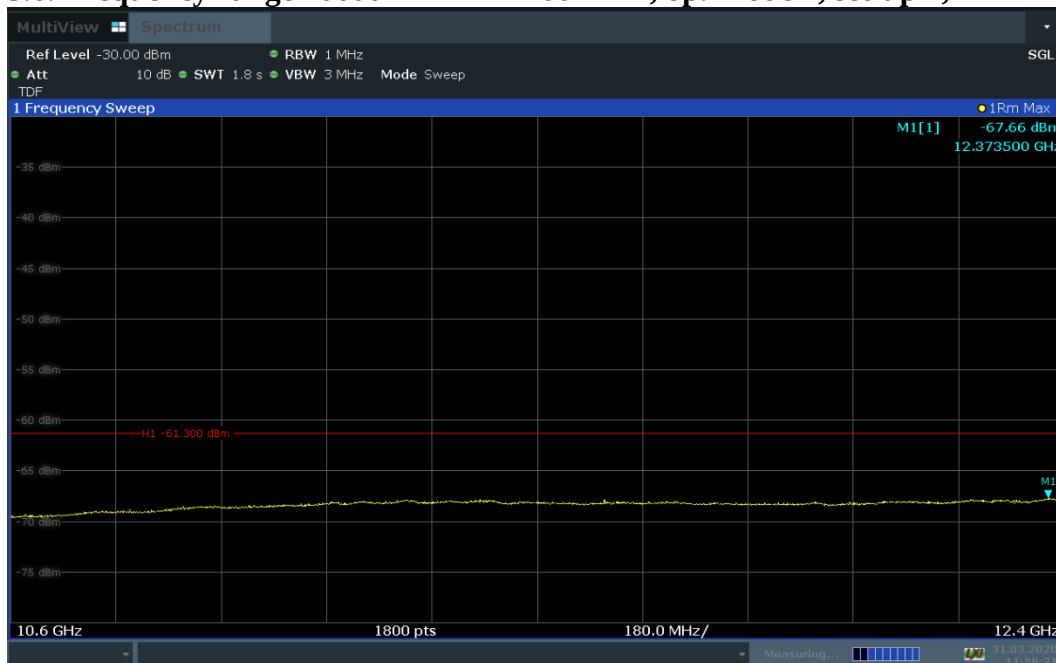
18:46:02 19.03.2020

5.5. Frequency range 4293 MHz – 10600 MHz, op. Mode 1, set-up 1.



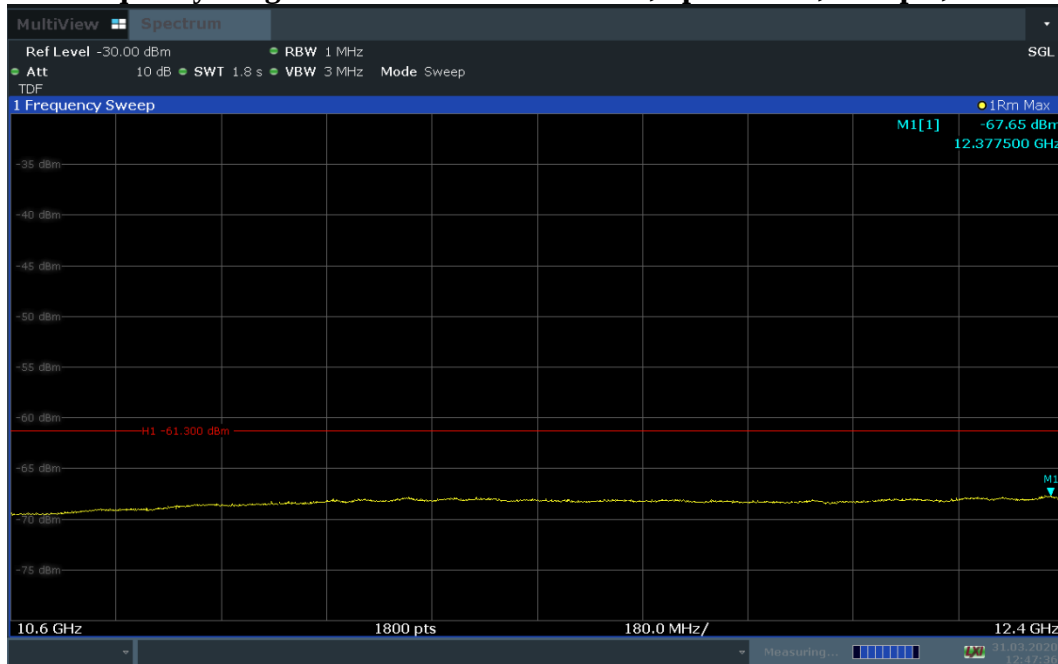
16:04:21 20.03.2020

5.6. Frequency range 10600 MHz – 12400 MHz, op. Mode 1, set-up 1, ANT HOR.



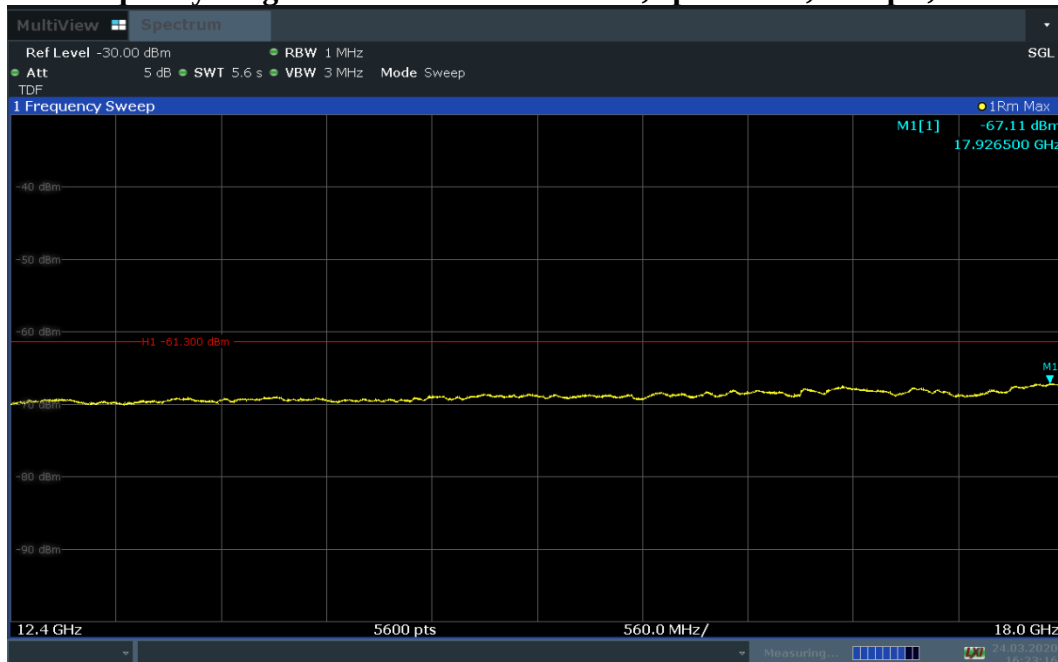
11:58:21 31.03.2020

5.7. Frequency range 10600 MHz – 12400 MHz, op. Mode 1, set-up 1, ANT VER.



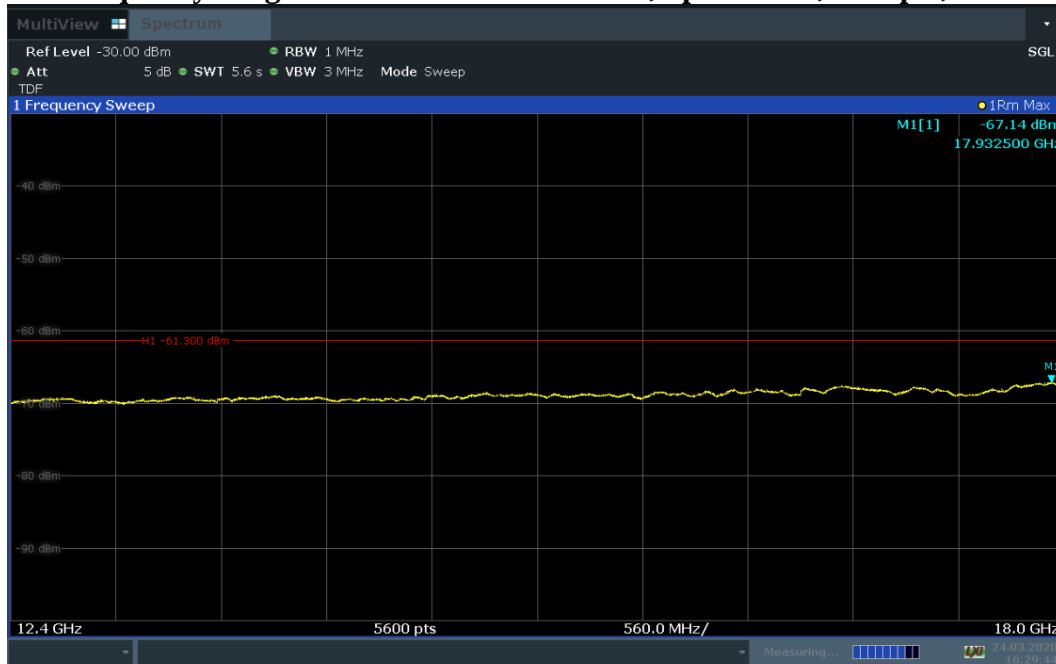
12:47:37 31.03.2020

5.8. Frequency range 12400 MHz – 18000 MHz, op. Mode 1, set-up 1, ANT VER, standing



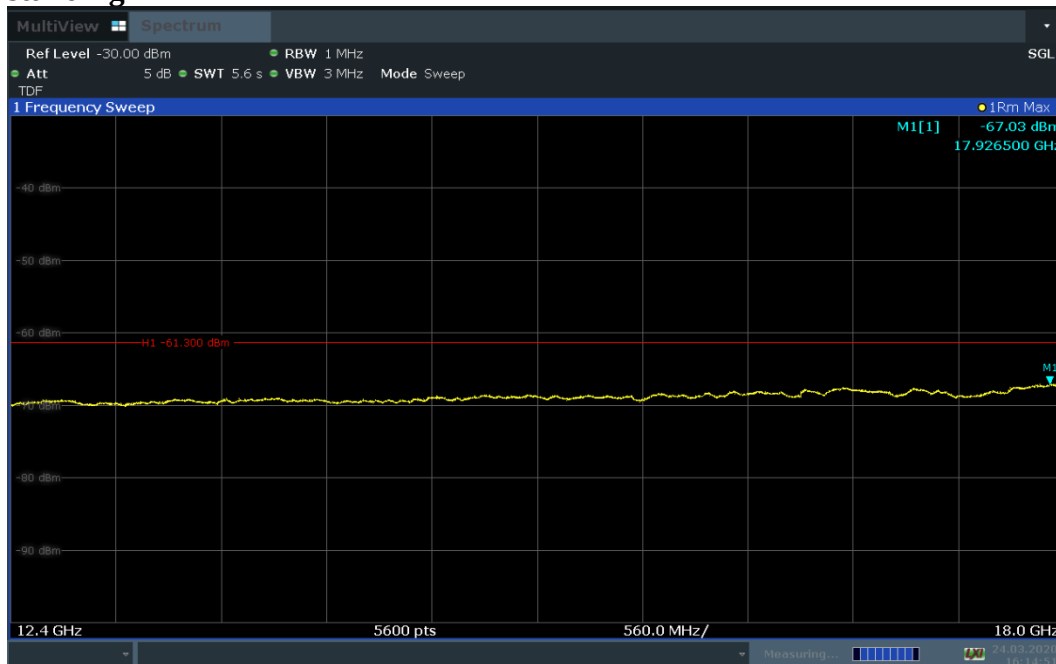
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5.9. Frequency range 12400 MHz – 18000 MHz, op. Mode 1, set-up 1, ANT VER, laying



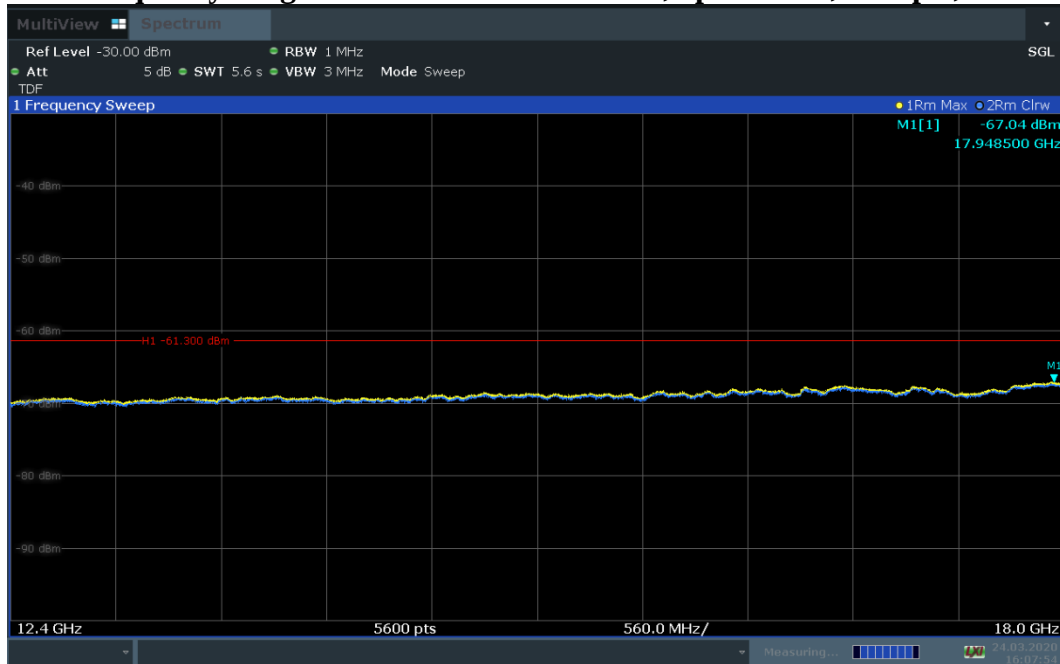
16:29:44 24.03.2020

5.10. Frequency range 12400 MHz – 18000 MHz, op. Mode 1, set-up 1, ANT HOR, standing



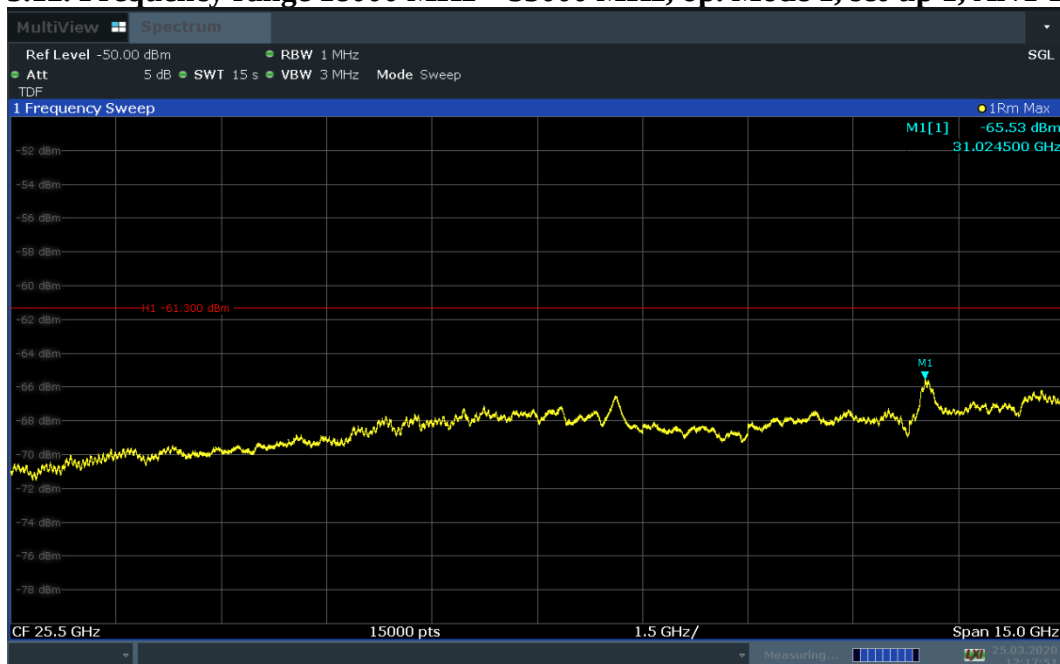
16:14:52 24.03.2020

5.11. Frequency range 12400 MHz – 18000 MHz, op. Mode 1, set-up 1, ANT HOR, laying



16:07:54 24.03.2020

5.12. Frequency range 18000 MHz – 33000 MHz, op. Mode 1, set-up 1, ANT HOR.



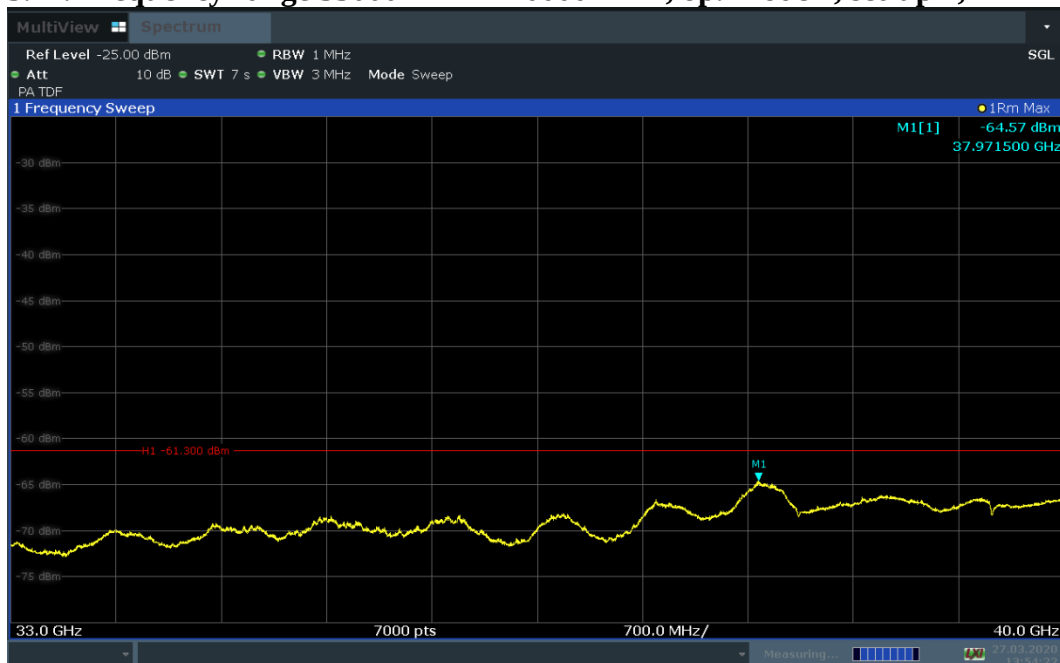
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5.13. Frequency range 18000 MHz – 33000 MHz, op. Mode 1, set-up 1, ANT VER.



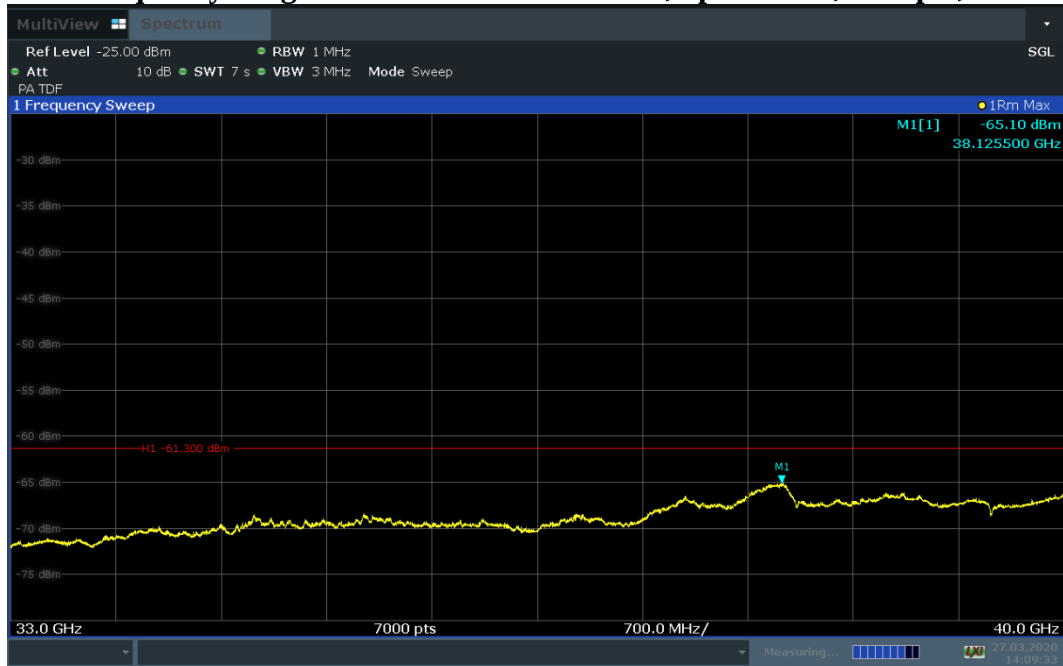
11:51:31 25.03.2020

5.14. Frequency range 33000 MHz – 40000 MHz, op. Mode 1, set-up 1, ANT HOR.



13:54:23 27.03.2020

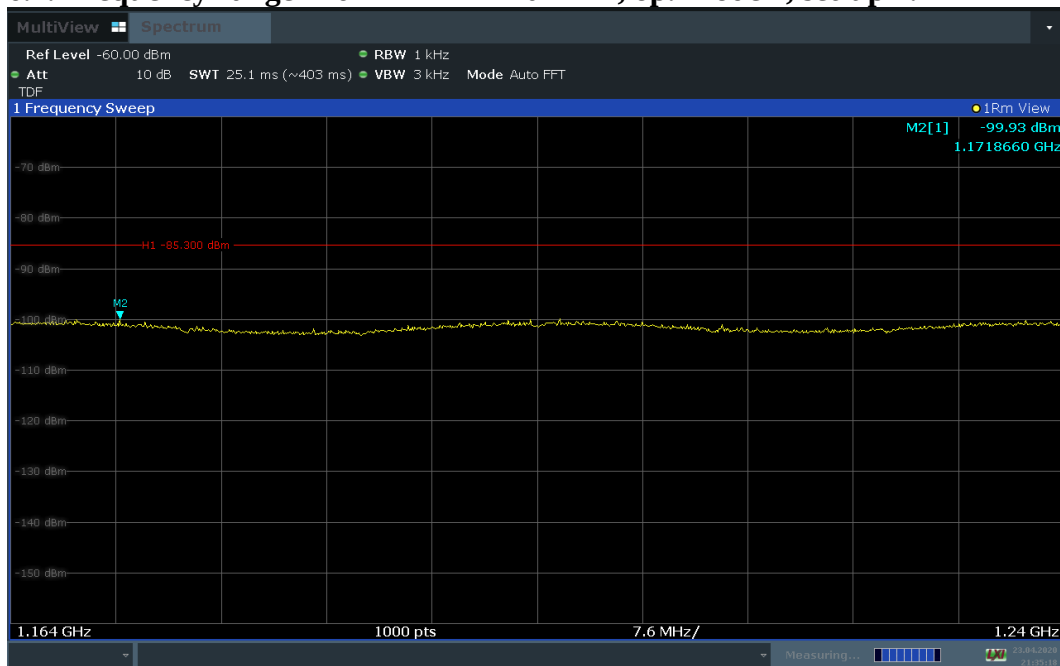
5.15. Frequency range 33000 MHz – 40000 MHz, op. Mode 1, set-up 1, ANT VER.



14:09:33 27.03.2020

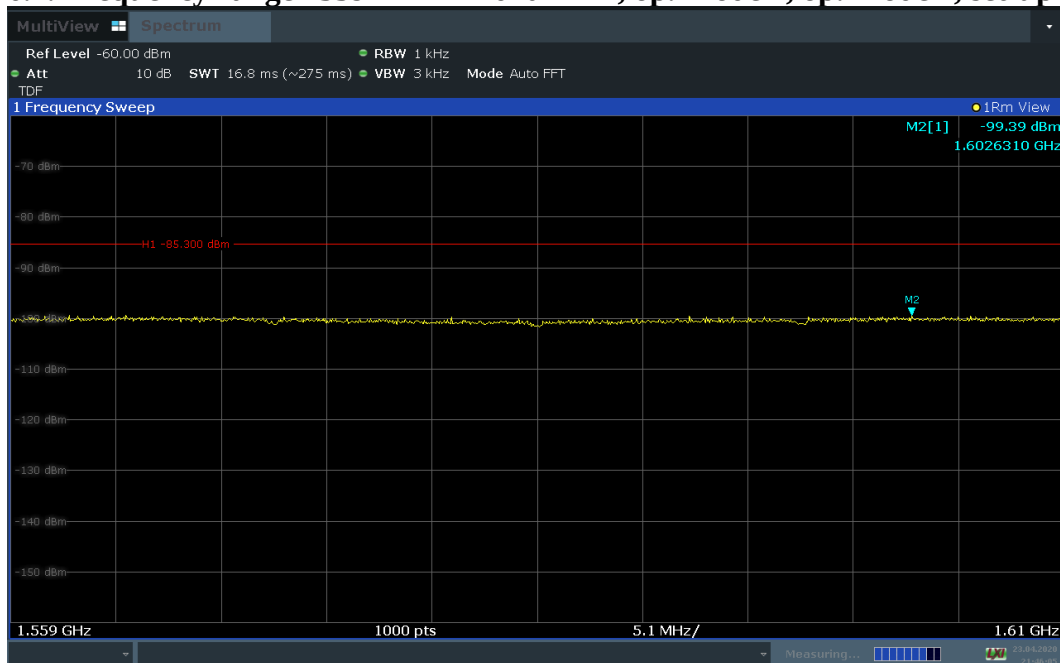
6. Radiated emissions in the GPS bands

6.1. Frequency range 1164 MHz – 1240 MHz, op. Mode 1, set-up 1.



21:35:18 23.04.2020

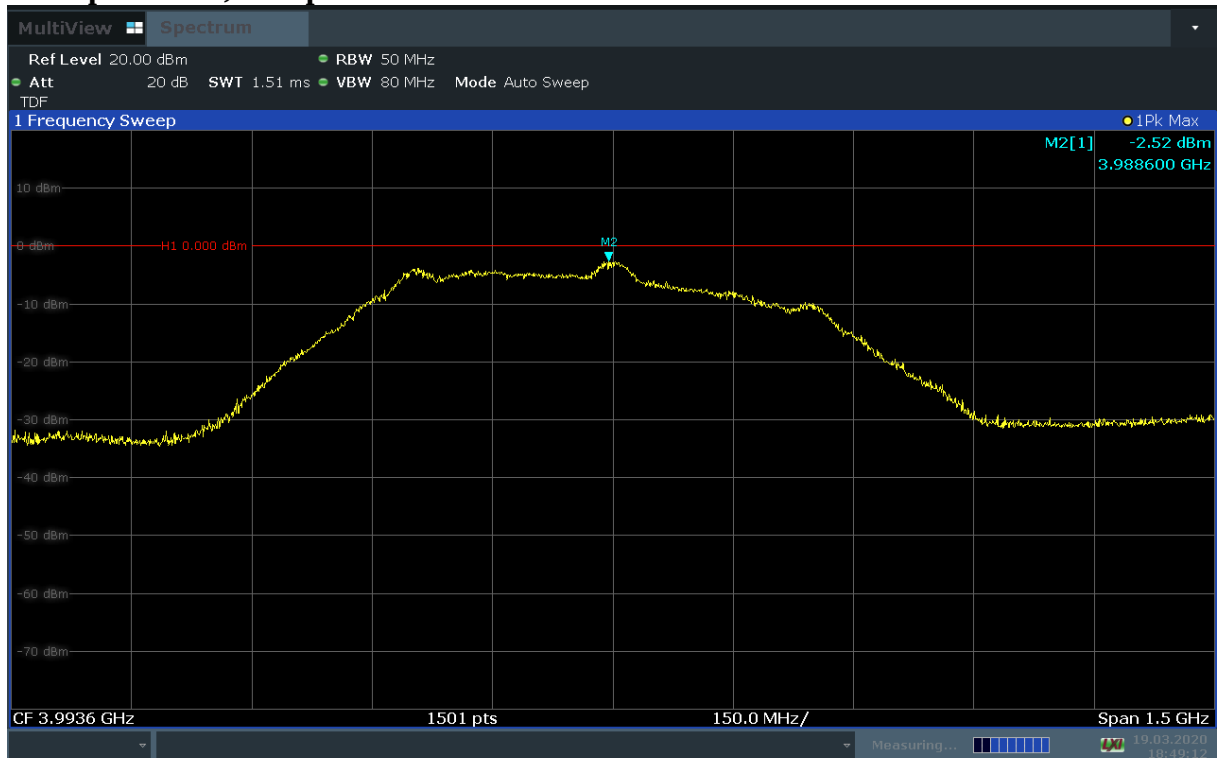
6.2. Frequency range 1559 MHz – 1610 MHz, op. Mode 1, op. Mode 1, set-up 1.



21:46:06 23.04.2020

7. Fundamental emission peak power,

7.1. Op. Mode 1, set-up 1.



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