

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0029001T03a

According to:
47 CFR Part 15.519

for

Elokon GmbH

ELOshield Pedestrian module

FCC-ID: 2ASP7-PEDM-V01



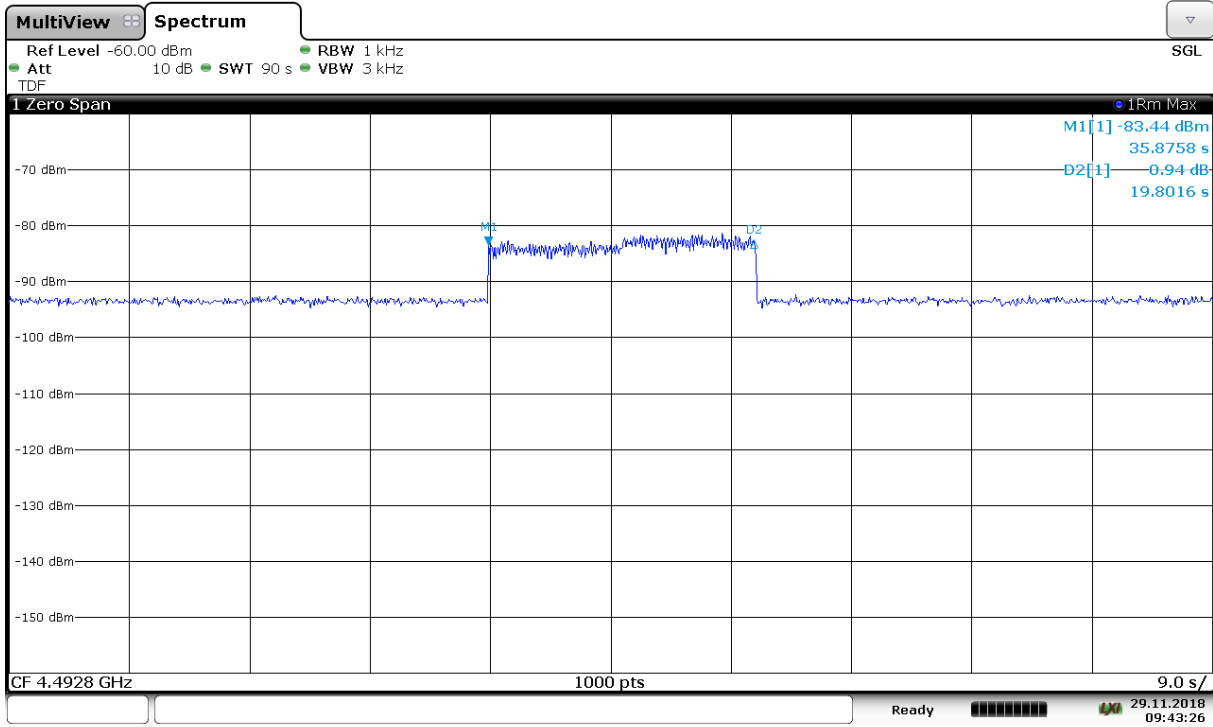
Laboratory Accreditation
  <p>Deutsche Akkreditierungsstelle D-PL-12047-01-01 D-PL-12047-01-03 D-PL-12047-01-04</p>
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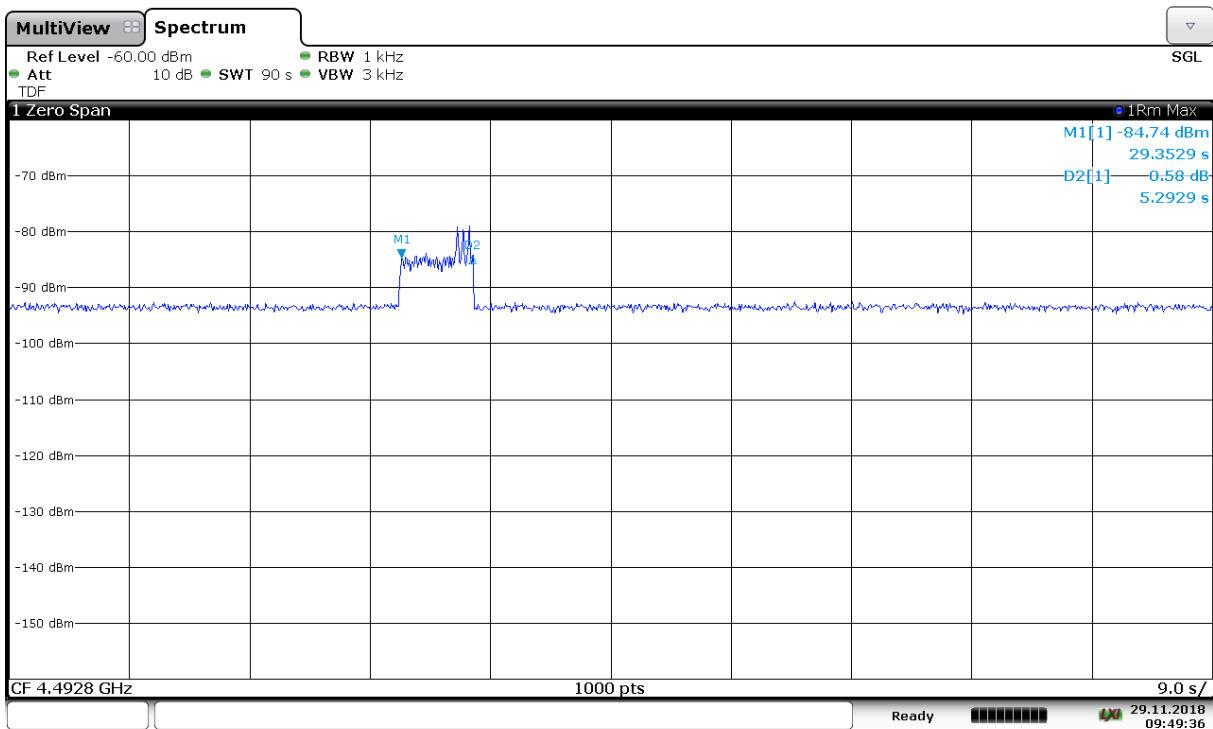
1. Transmission time measurement

1.1. EUT A and AE 3 + AE 4 are ON.



09:43:27 29.11.2018

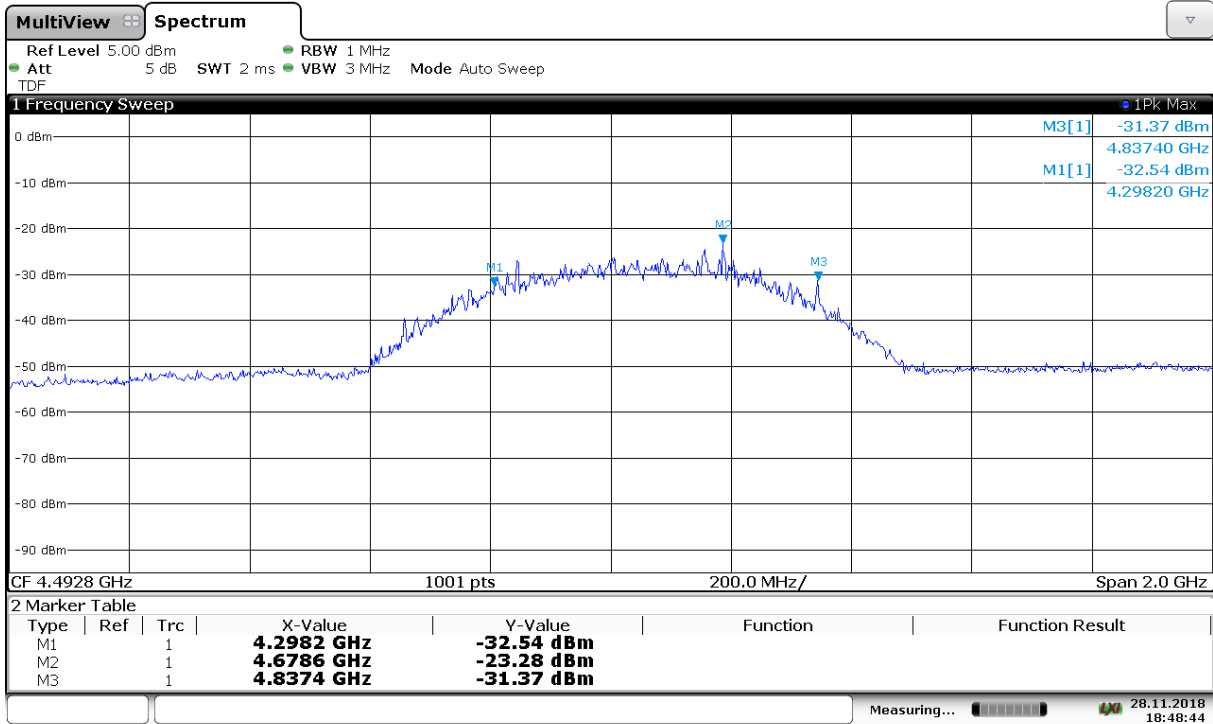
1.2. EUT A is ON, AE 3 + AE 4 are deactivated app. at time M1



09:49:37 29.11.2018

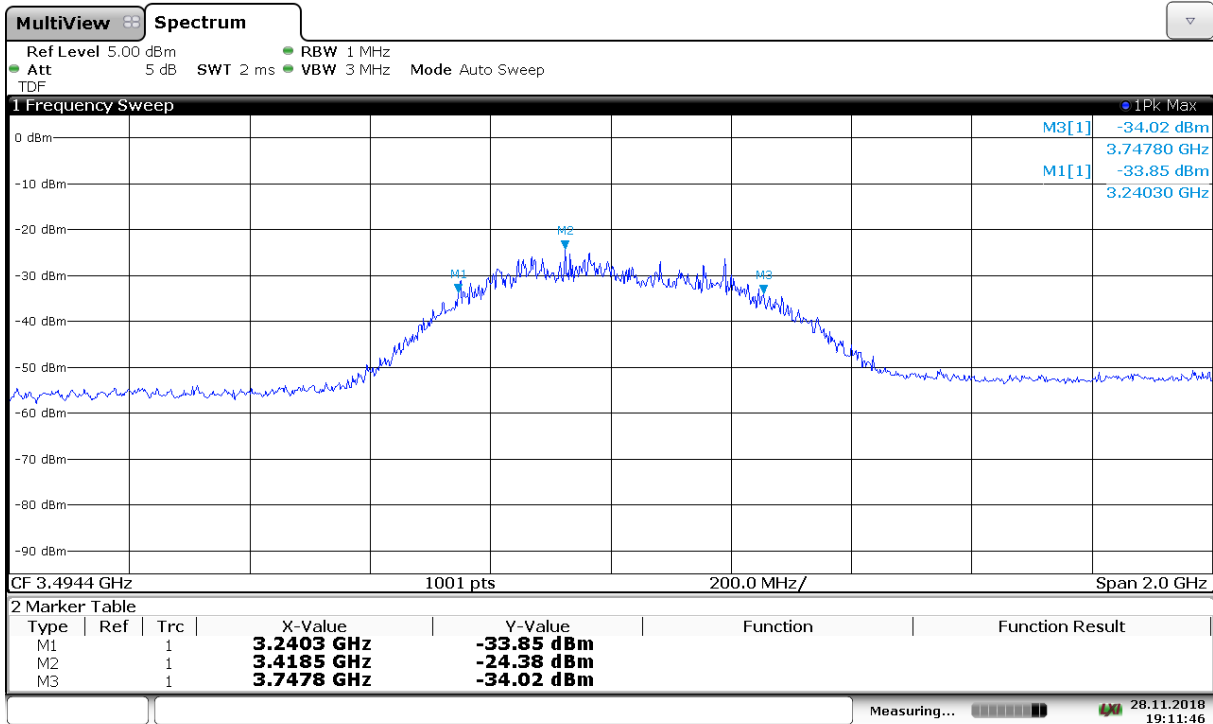
2. 10 dB bandwidth measurement

2.1. Op. mode 1



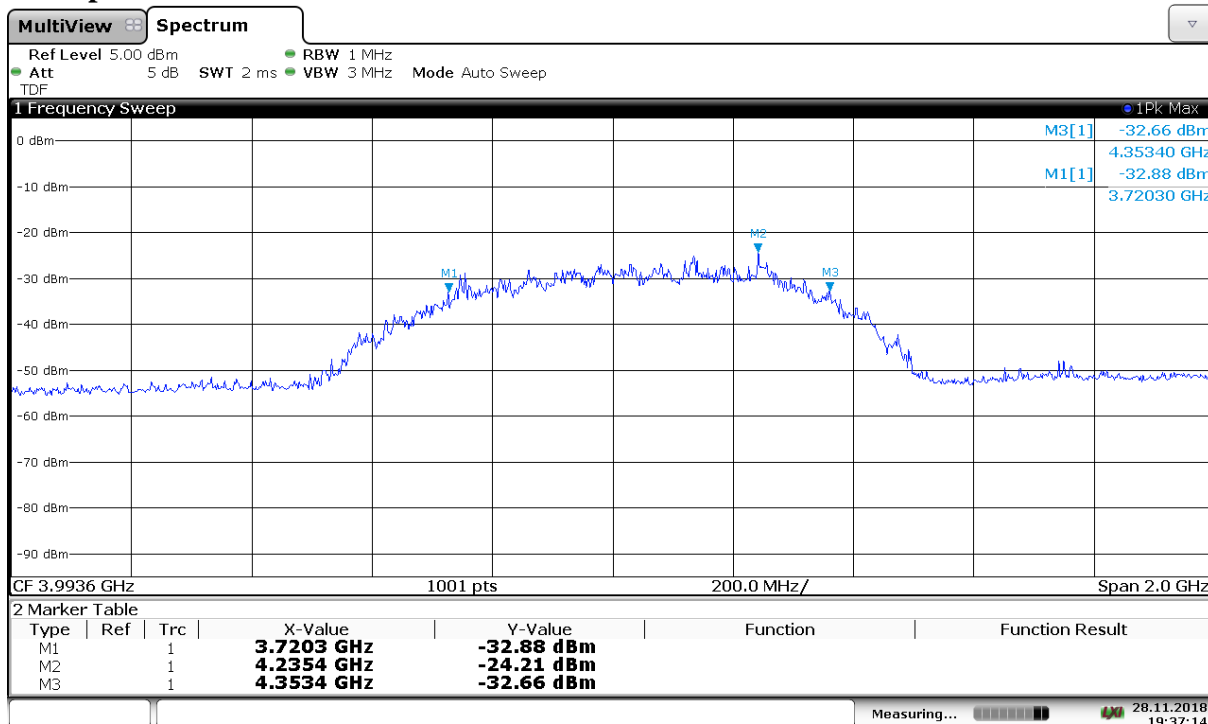
18:48:45 28.11.2018

2.2. Op. Mode 2



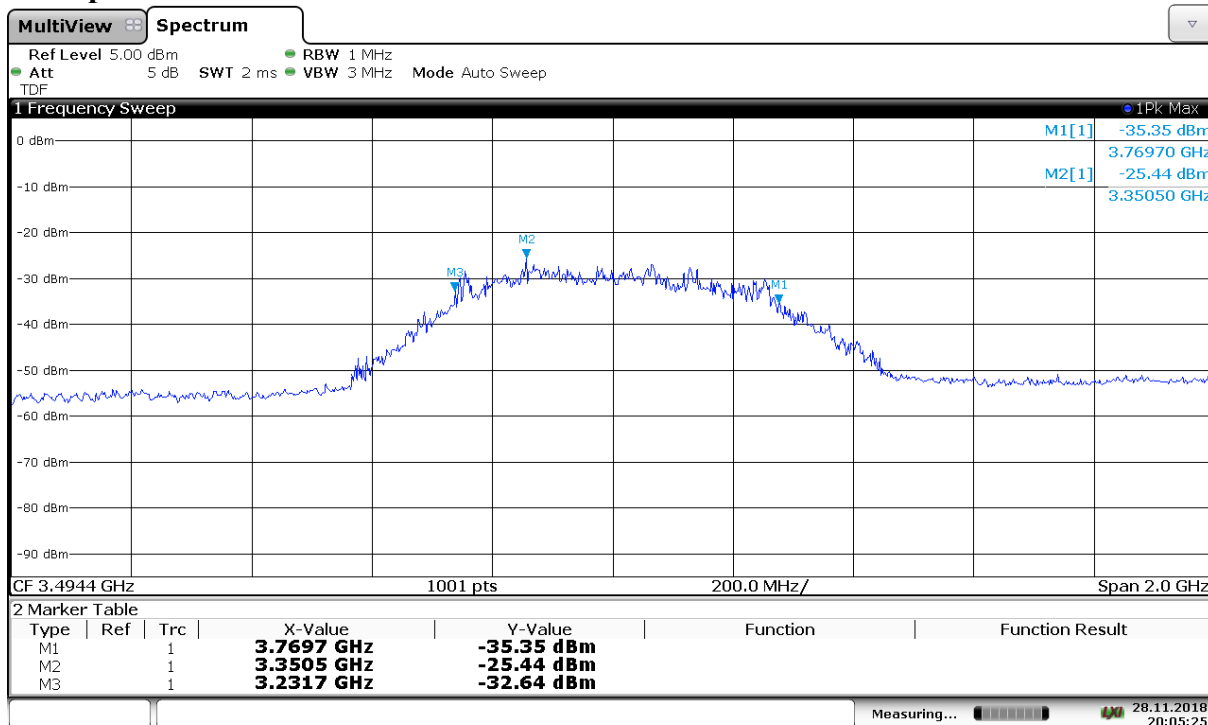
19:11:46 28.11.2018

2.3. Op. Mode 3



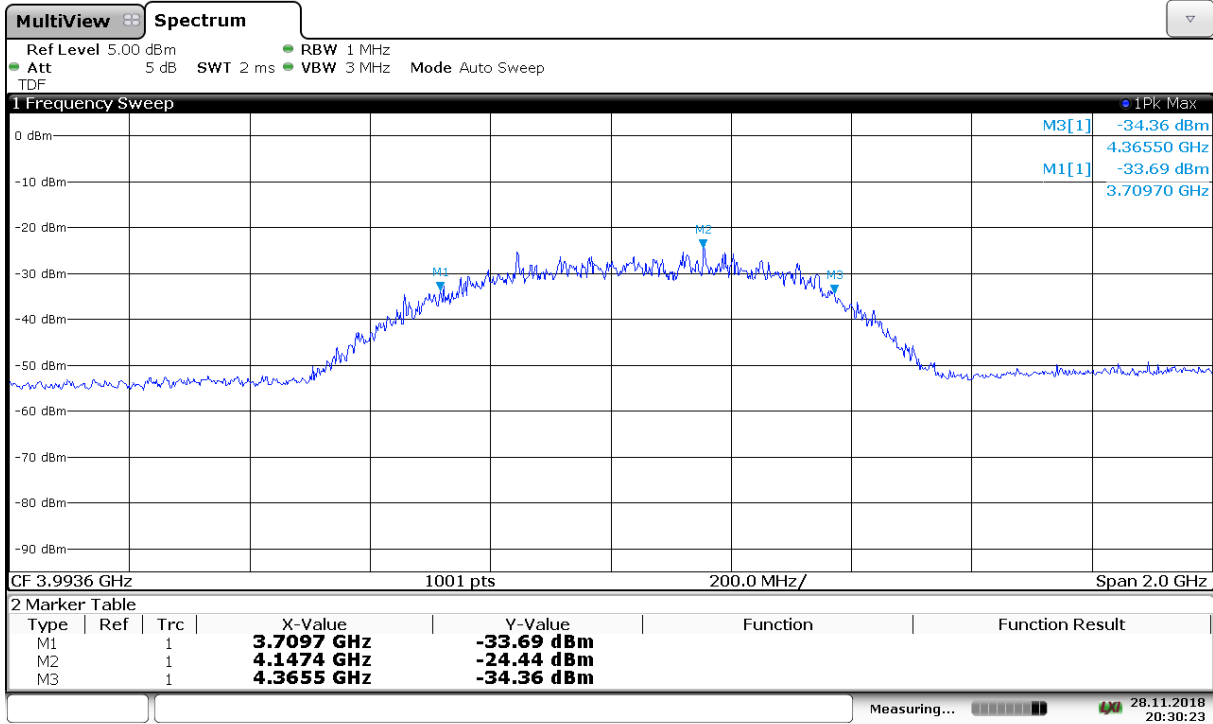
19:37:14 28.11.2018

2.4. Op. Mode 4



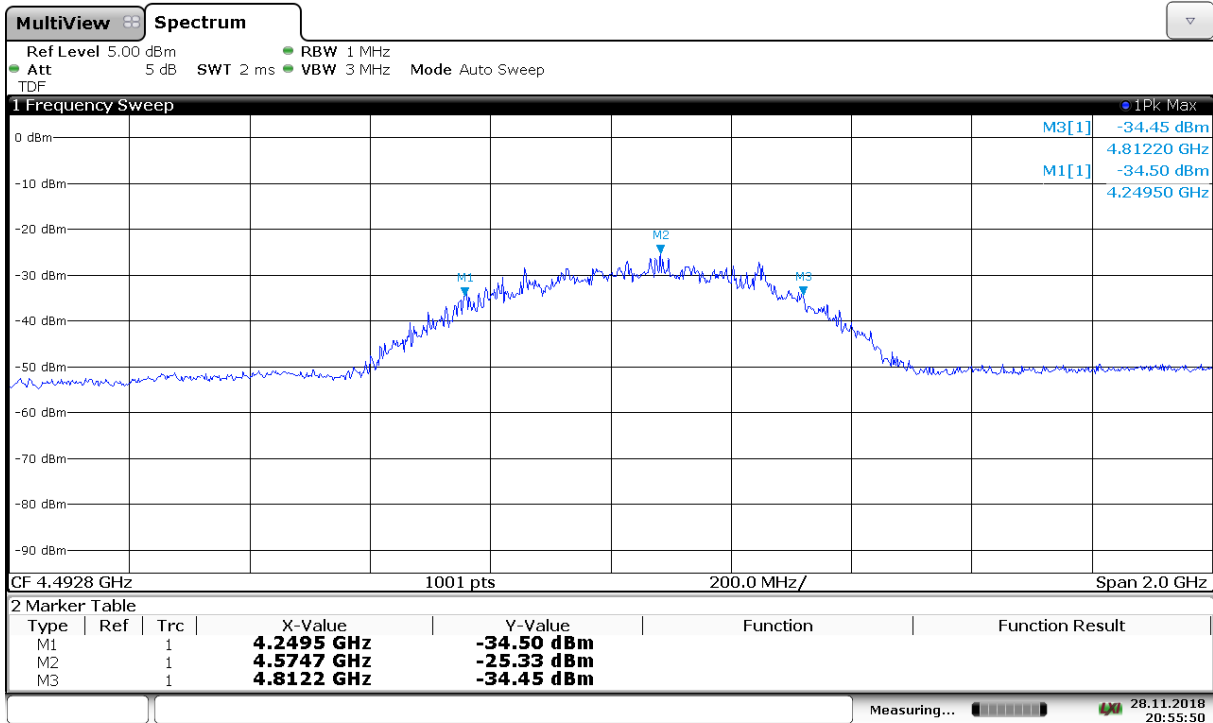
20:05:26 28.11.2018

2.5. Op. Mode 5



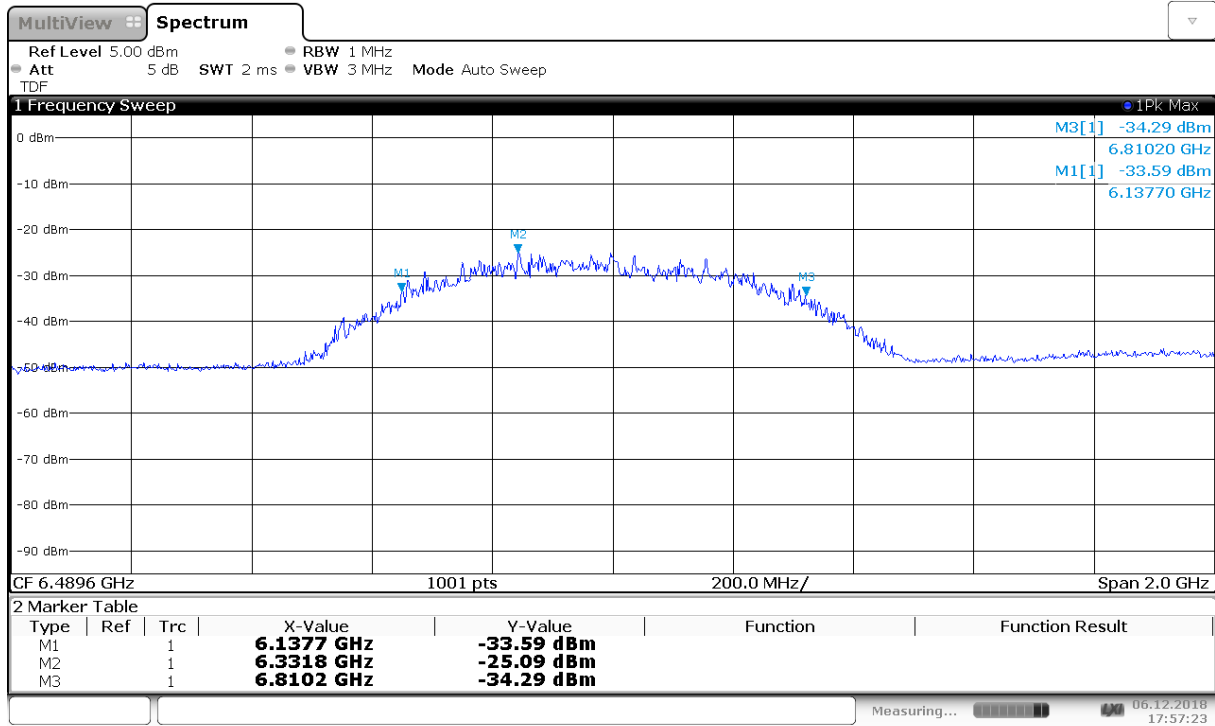
20:30:24 28.11.2018

2.6. Op. Mode 6



20:55:51 28.11.2018

2.7. Op. Mode 7

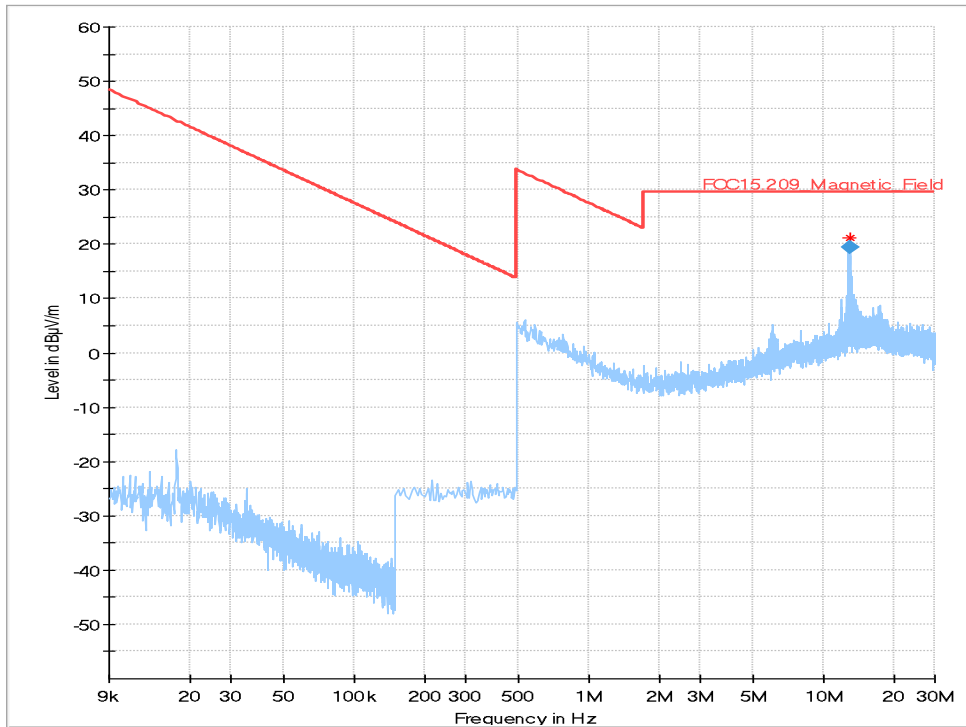


17:57:24 06.12.2018

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

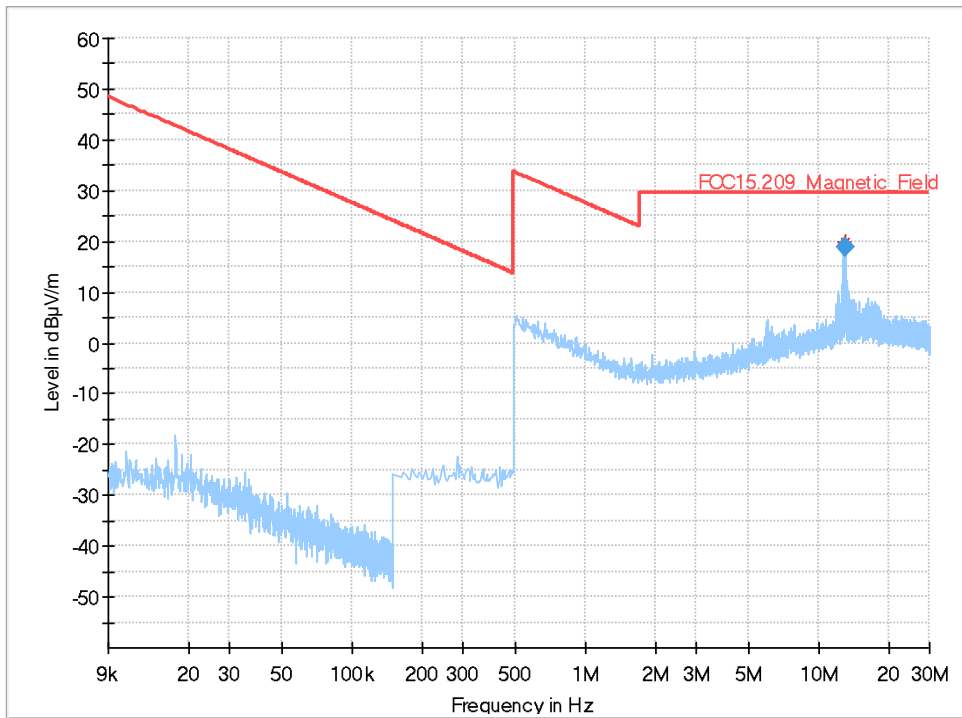
3.1. Op. Mode 1 and 7, laying

Full Spectrum



3.2. Op. Mode 1 and 7, standing

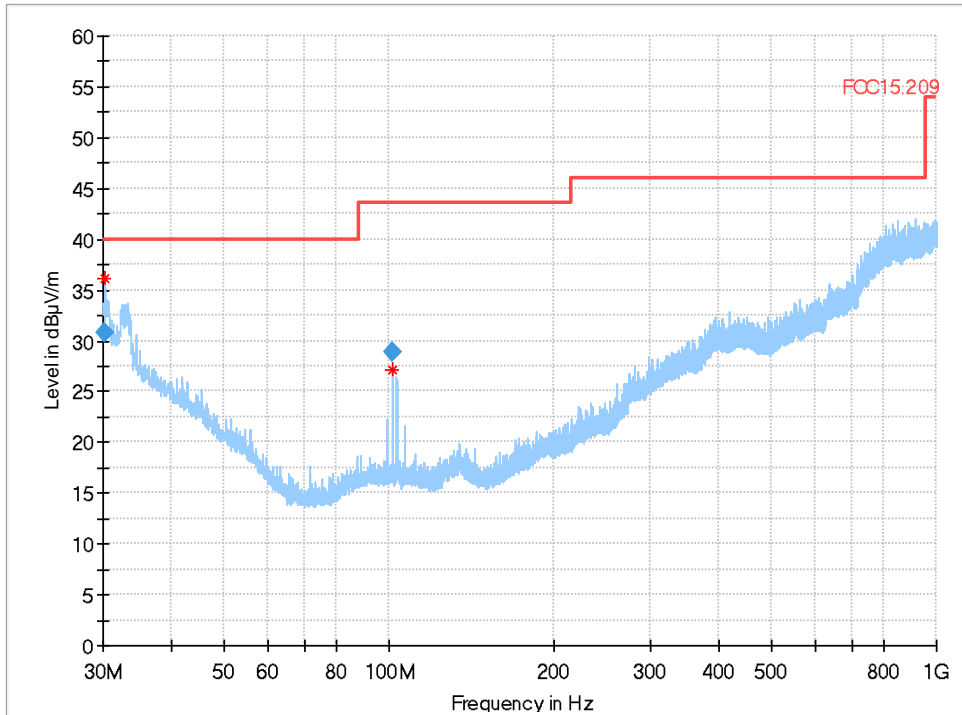
Full Spectrum



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

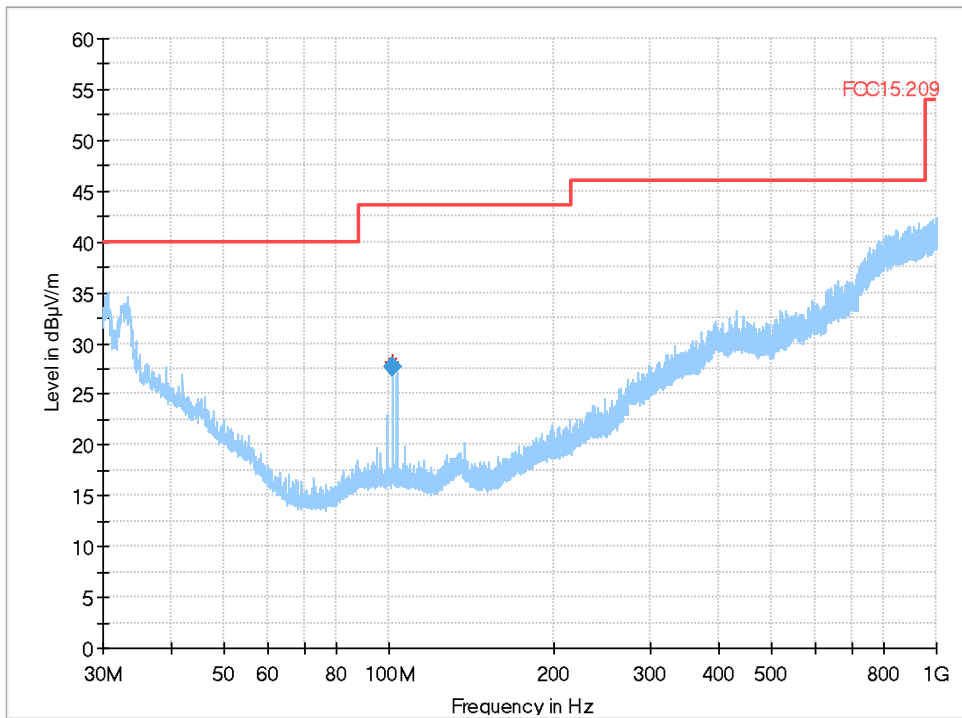
4.1. Op. Mode 1 and 7, laying

Full Spectrum



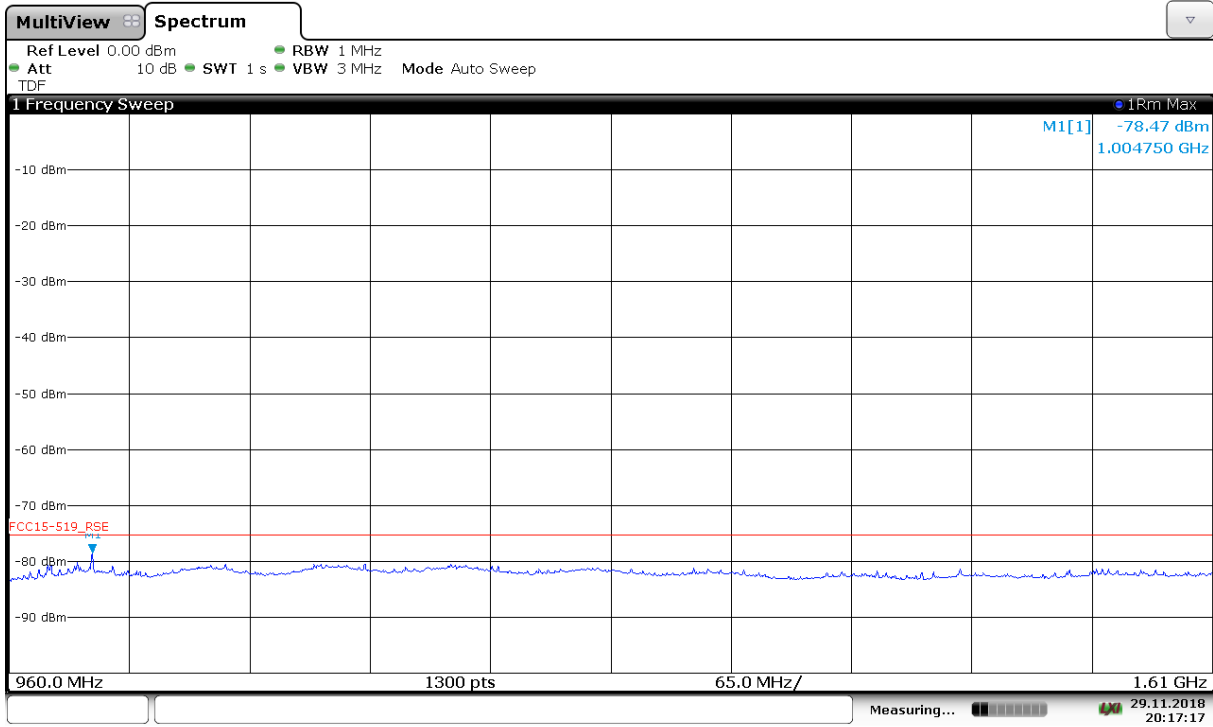
4.2. Op. Mode 1 and 7, standing

Full Spectrum



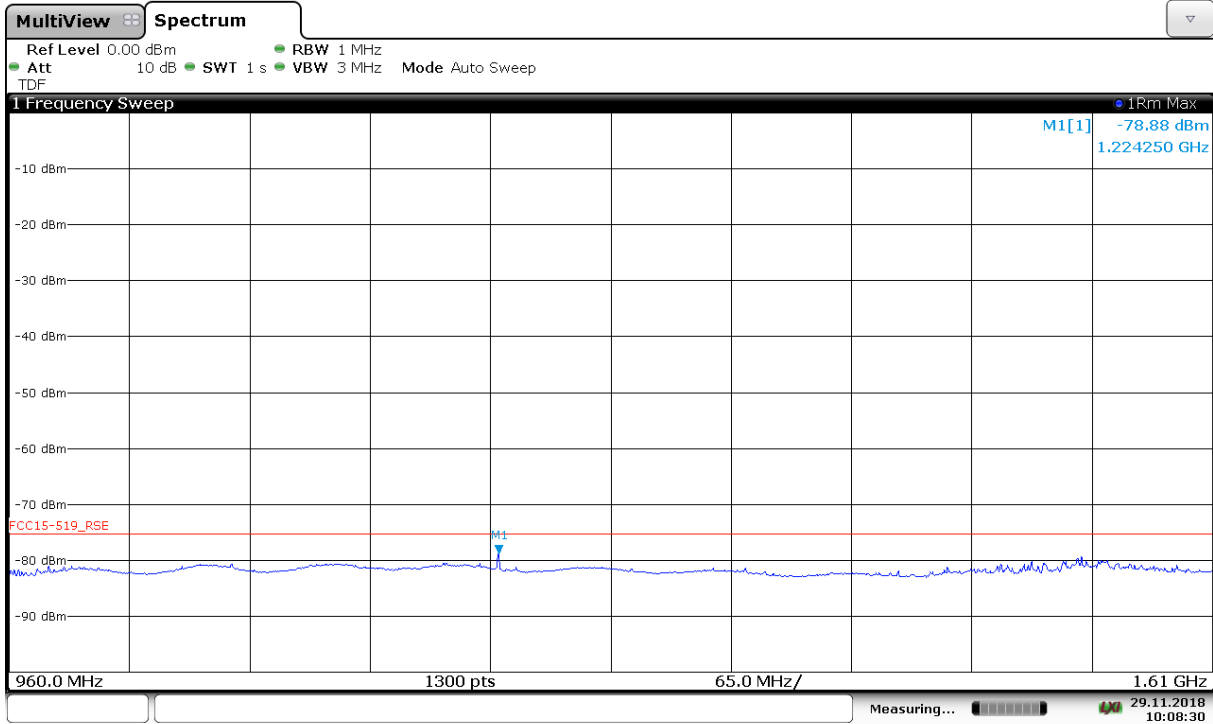
5. General Limit – Radiated field strength emissions, above 960 MHz

5.1. Frequency range 960 MHz – 1610 MHz, op. mode 1 and 7, ANT HOR



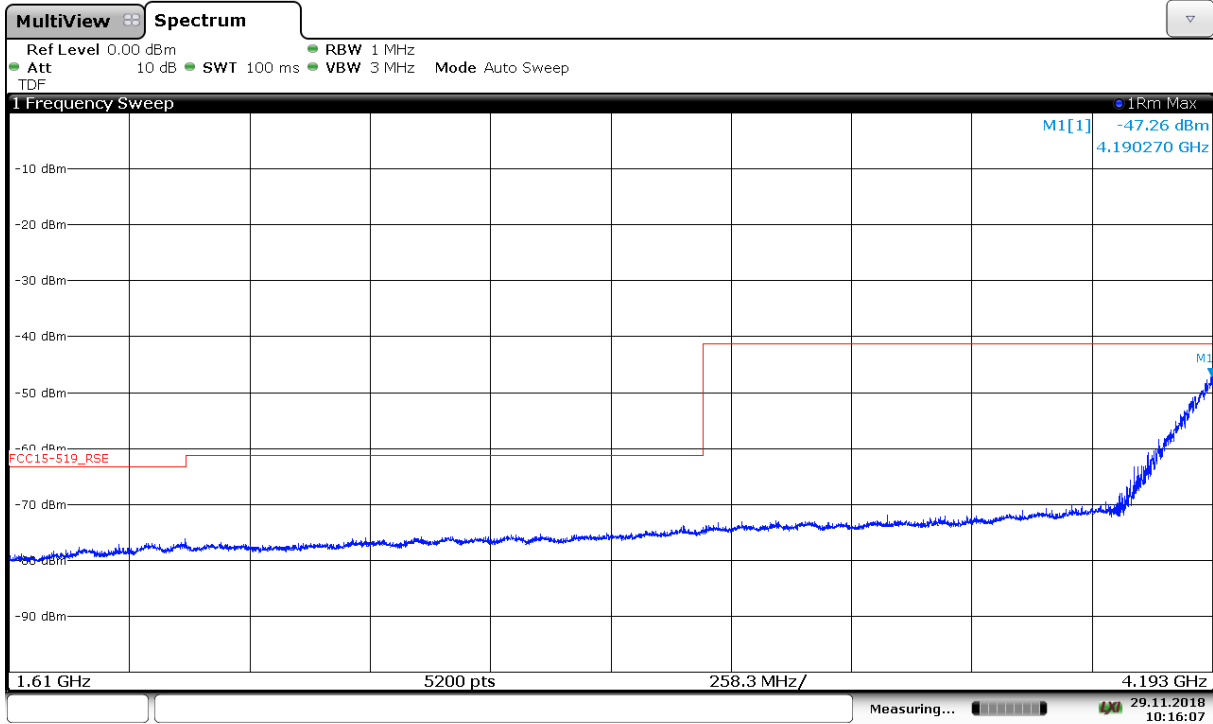
20:17:17 29.11.2018

5.2. Frequency range 960 MHz – 1610 MHz, op. mode 1 and 7, ANT VER



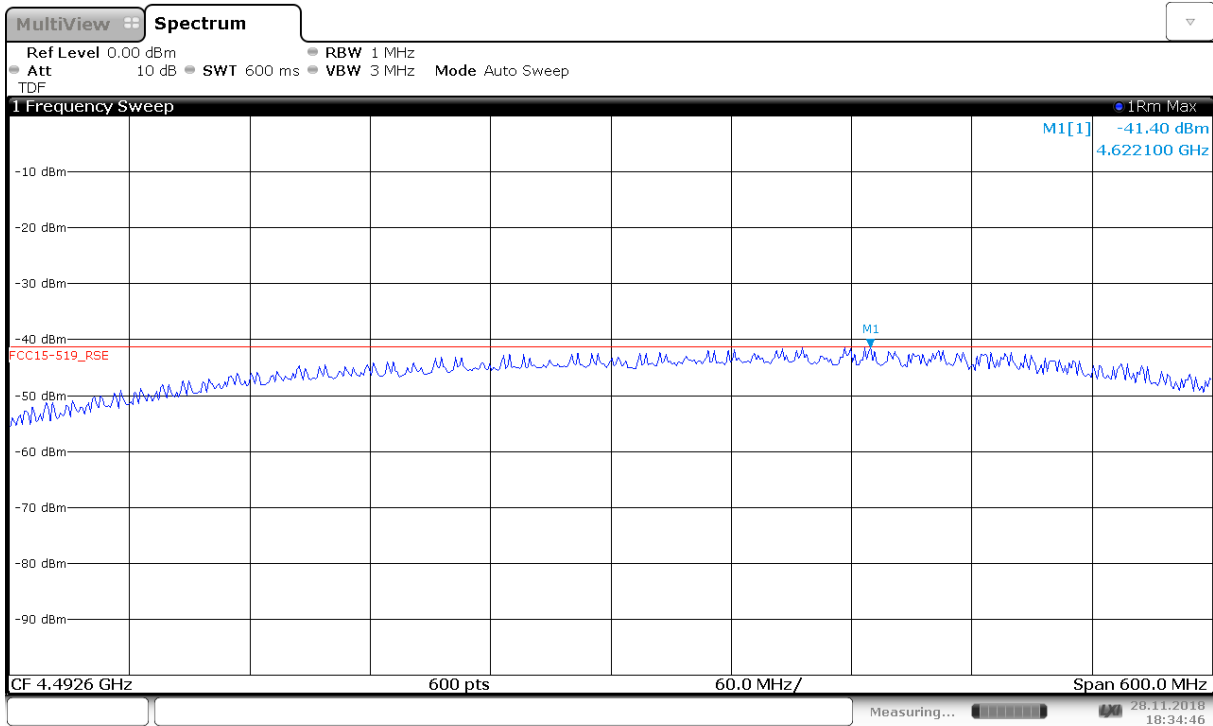
10:08:31 29.11.2018

5.3. Frequency range 1610 MHz – 4193 MHz, op. mode 1 and 7, ANT HOR + VER



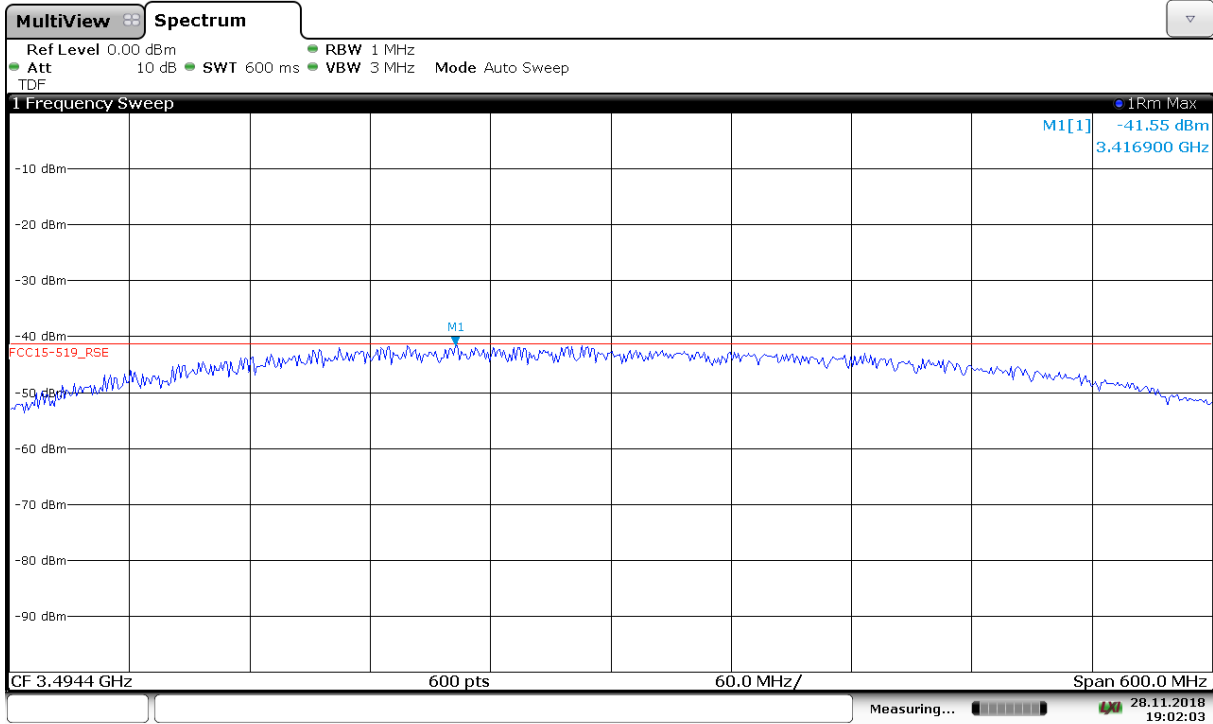
10:16:08 29.11.2018

5.4. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. mode 1 and 7, 4192.8 MHz – 4792.8 MHz



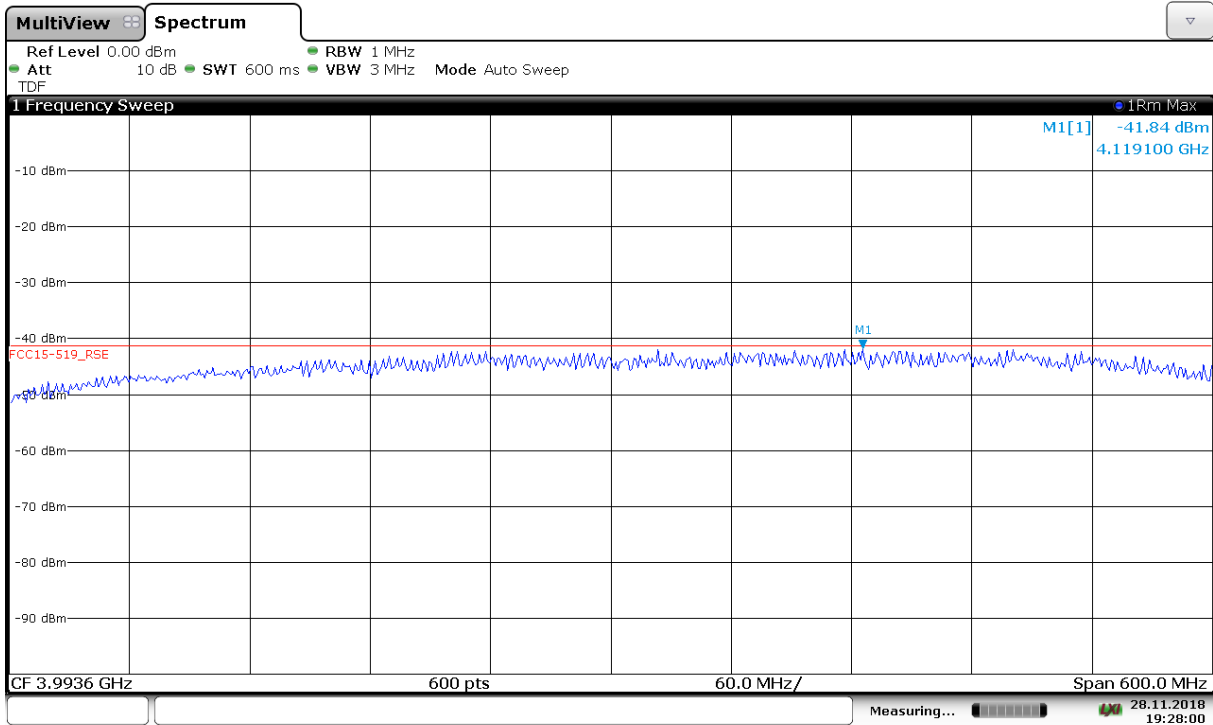
18:34:48 28.11.2018

5.5. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. mode 2 +7



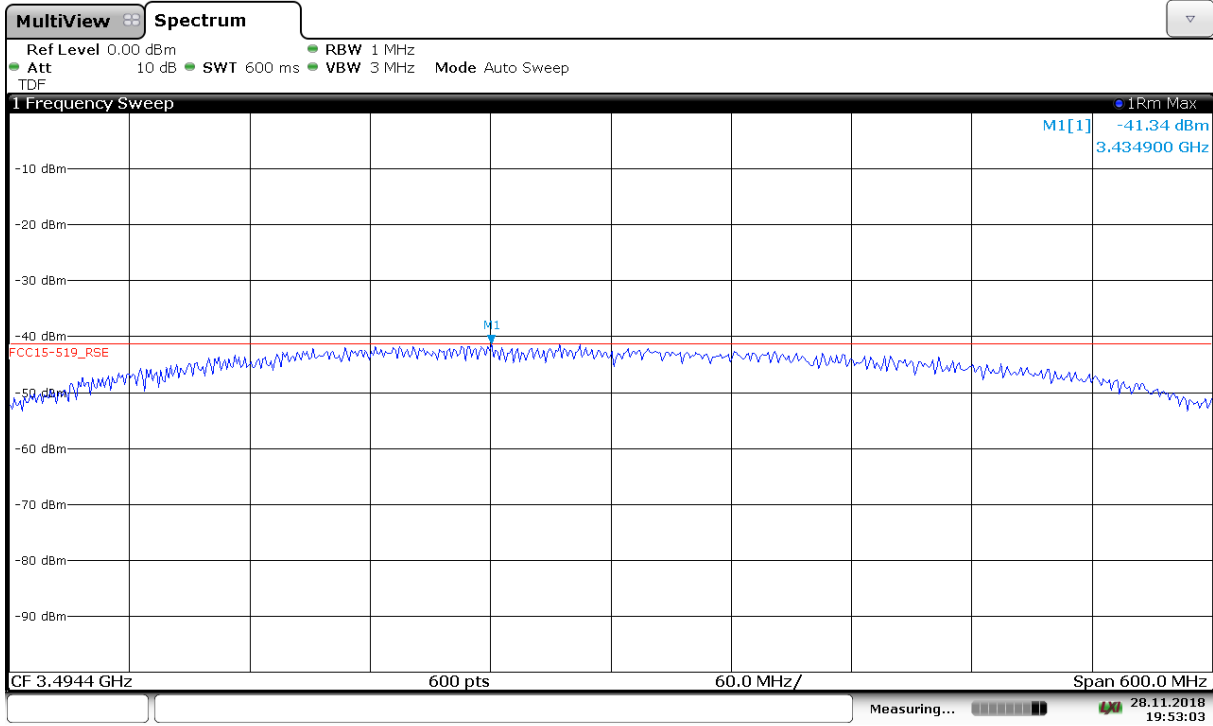
19:02:04 28.11.2018

5.6. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. mode 3 +7



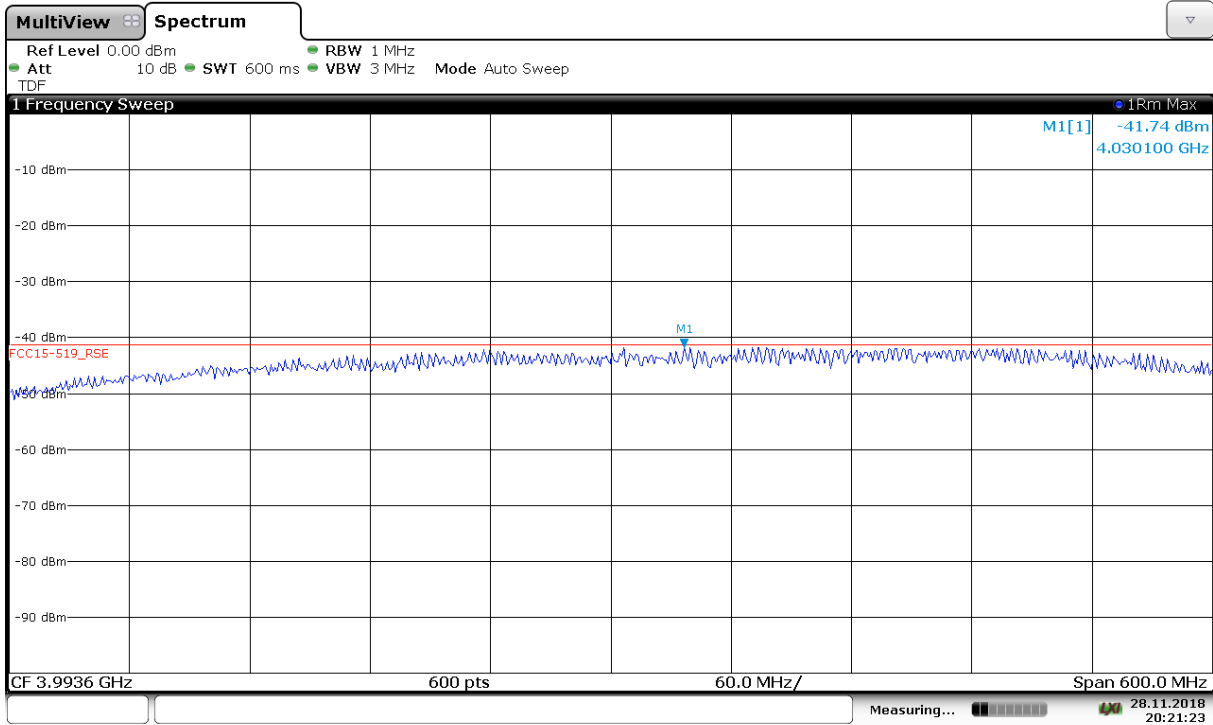
19:28:00 28.11.2018

5.7. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. mode 4 + 7



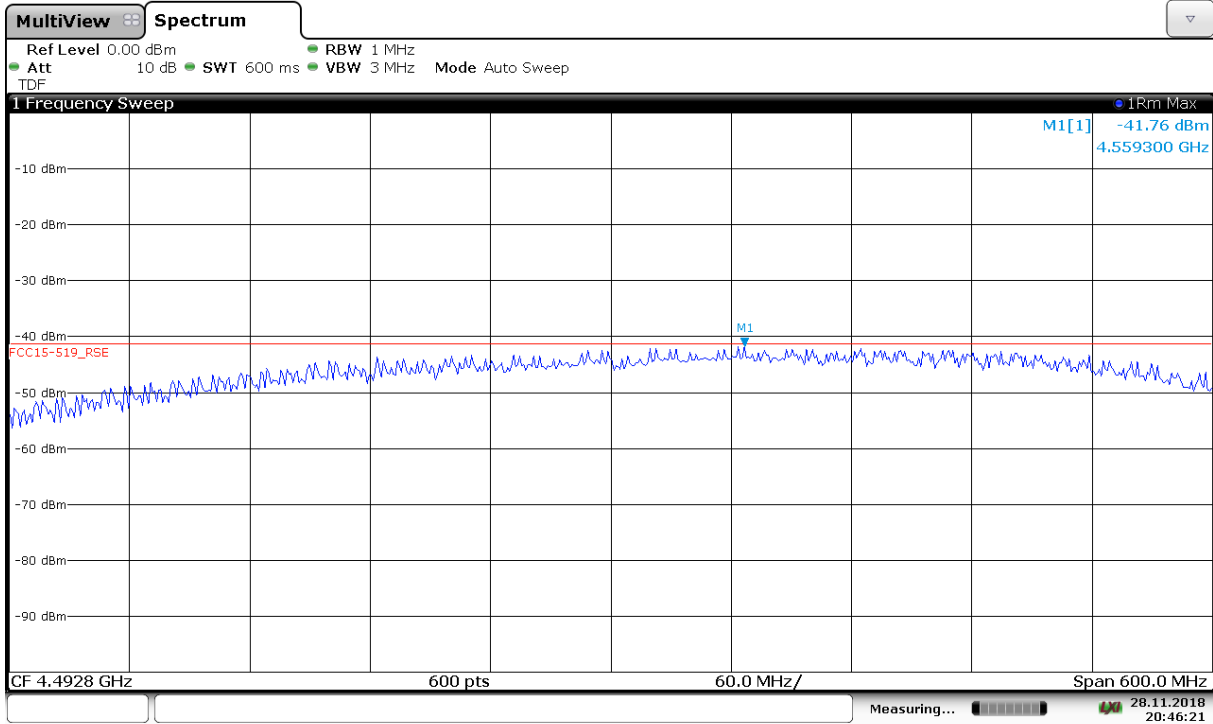
19:53:04 28.11.2018

5.8. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. mode 5 + 7



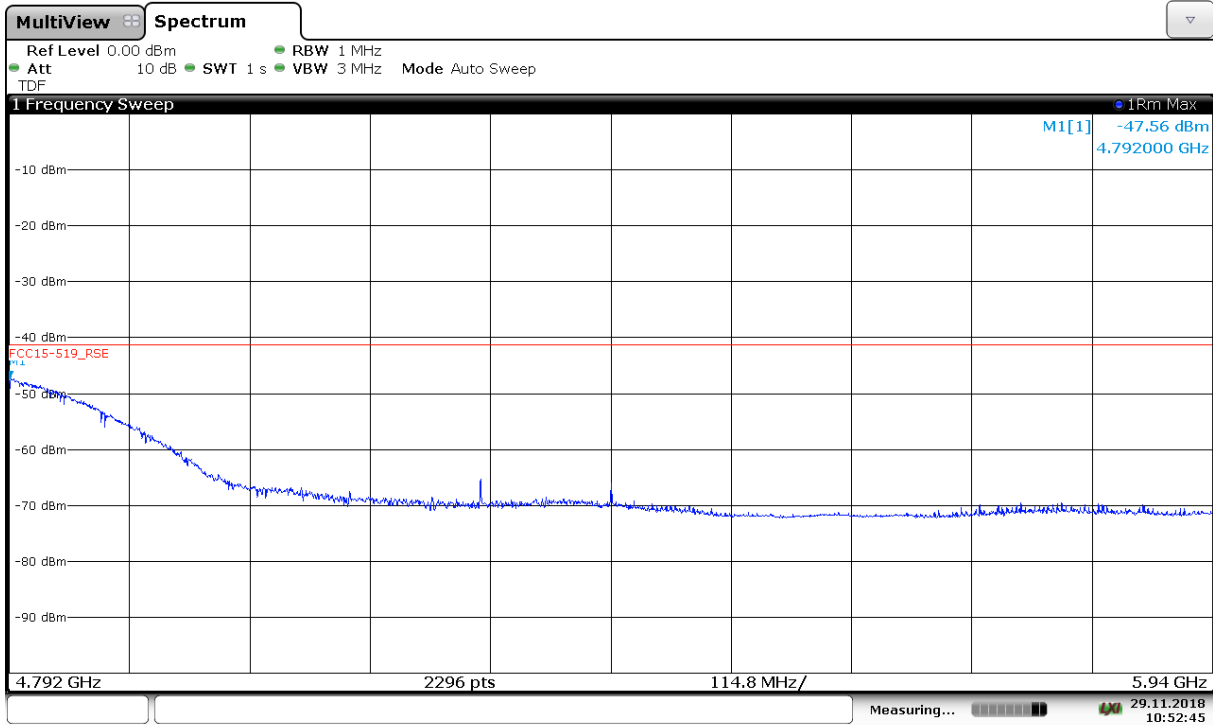
20:21:23 28.11.2018

5.9. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600ms, op. mode 6 + 7



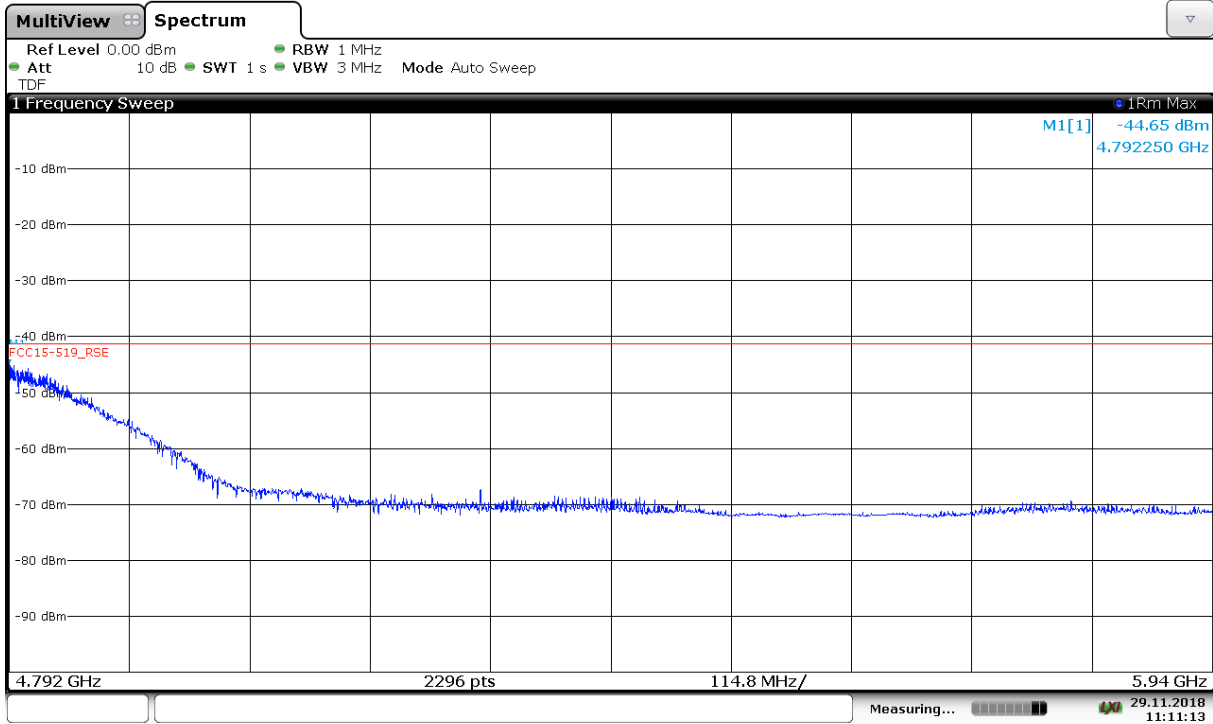
20:46:22 28.11.2018

5.10. Frequency range 4792 MHz – 5940 MHz, op. mode 1 and 7, ANT HOR



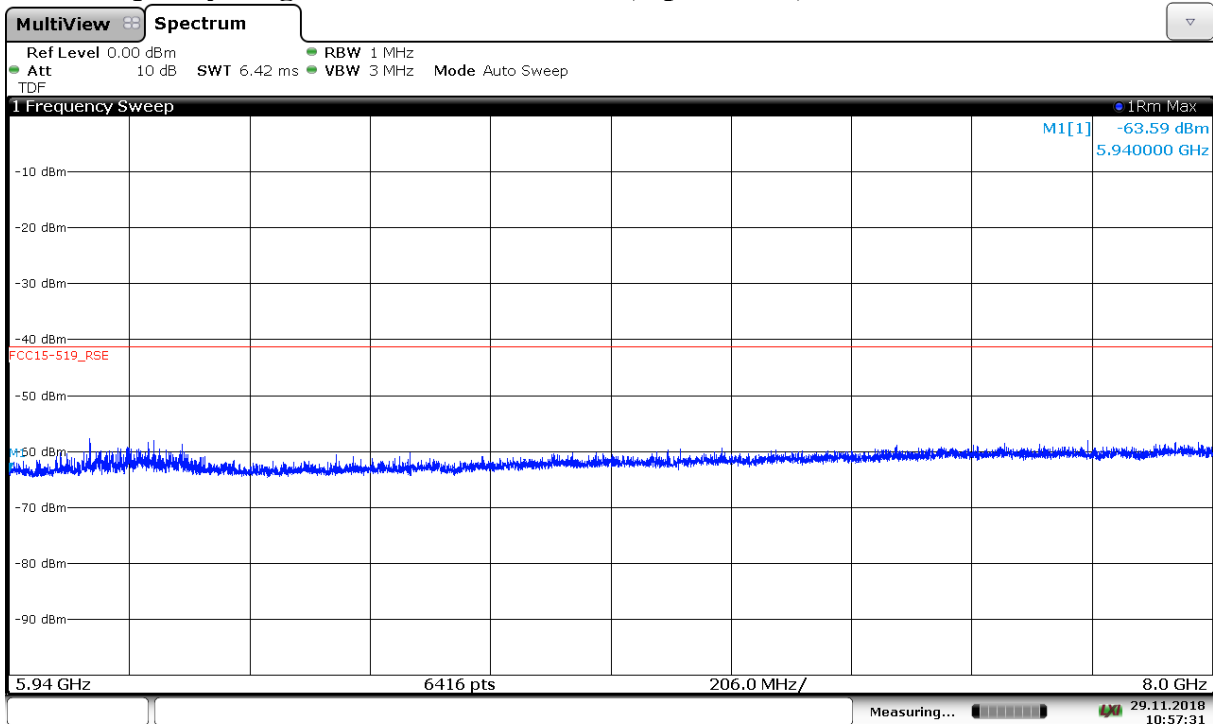
10:52:45 29.11.2018

5.11. Frequency range 4792 MHz – 5940 MHz, op. mode 1 and 7, ANT VER



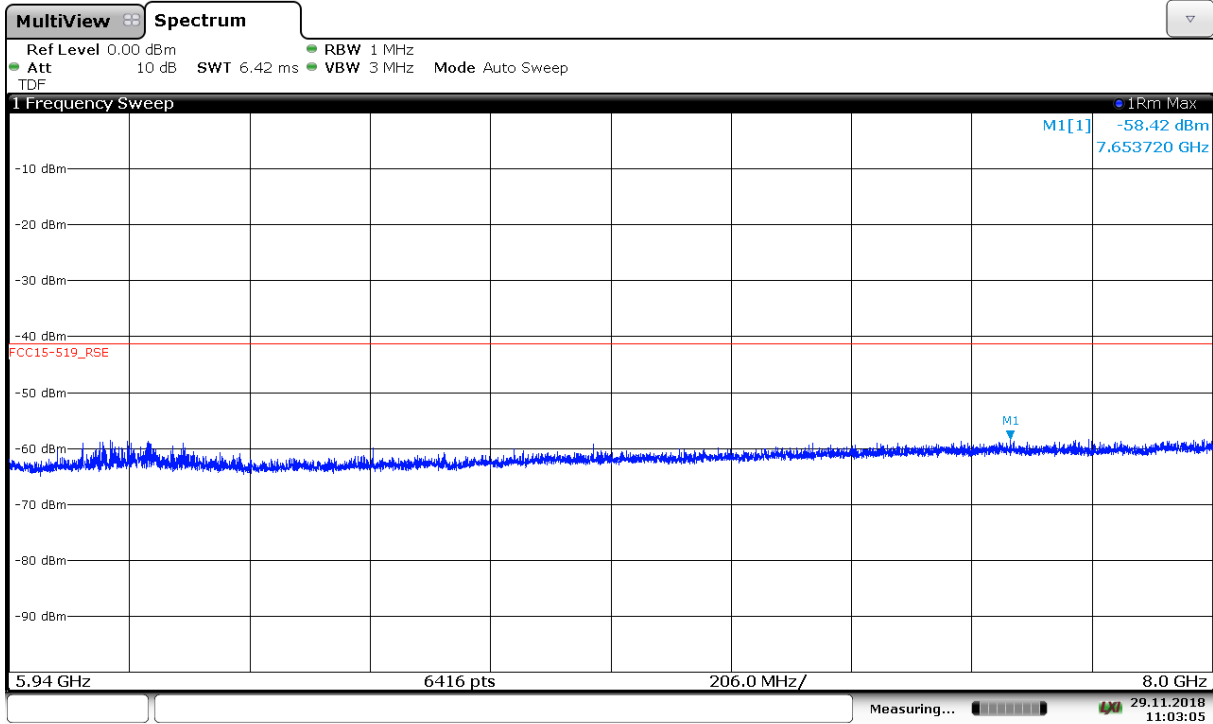
11:11:13 29.11.2018

5.12. Frequency range 5940 MHz – 8000 MHz, op. mode 1, ANT HOR



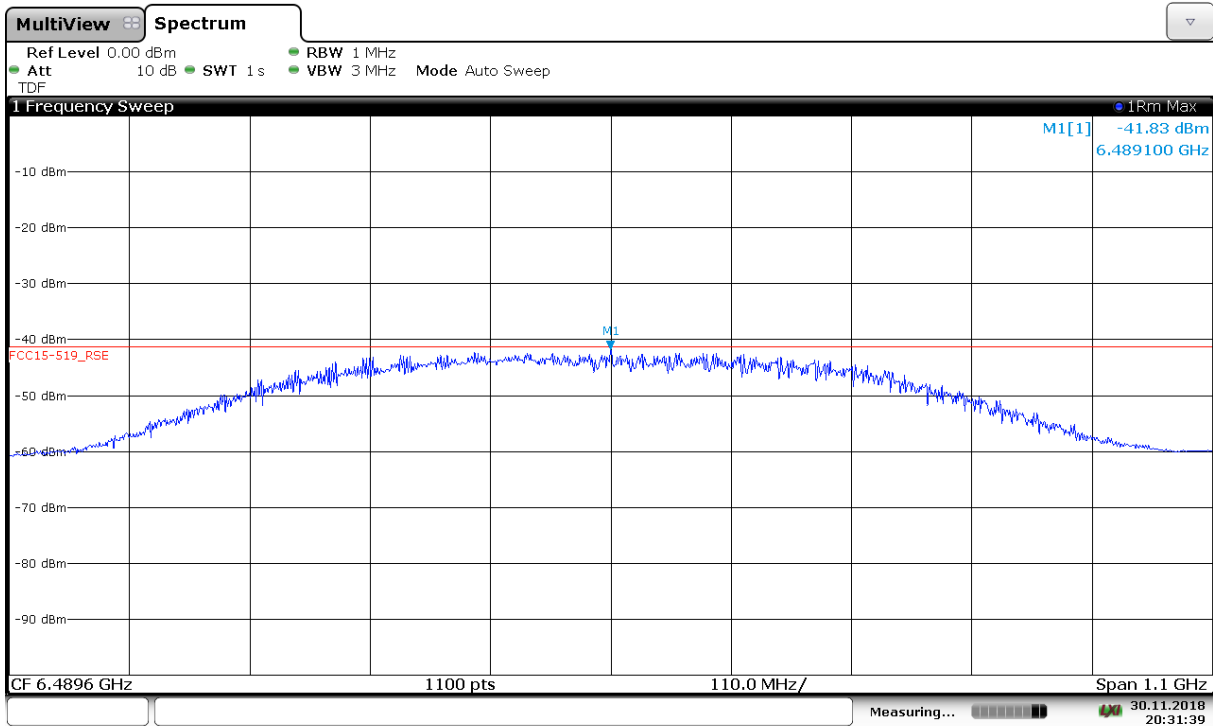
10:57:32 29.11.2018

5.13. Frequency range 5940 MHz – 8000 MHz, op. mode 1, ANT VER



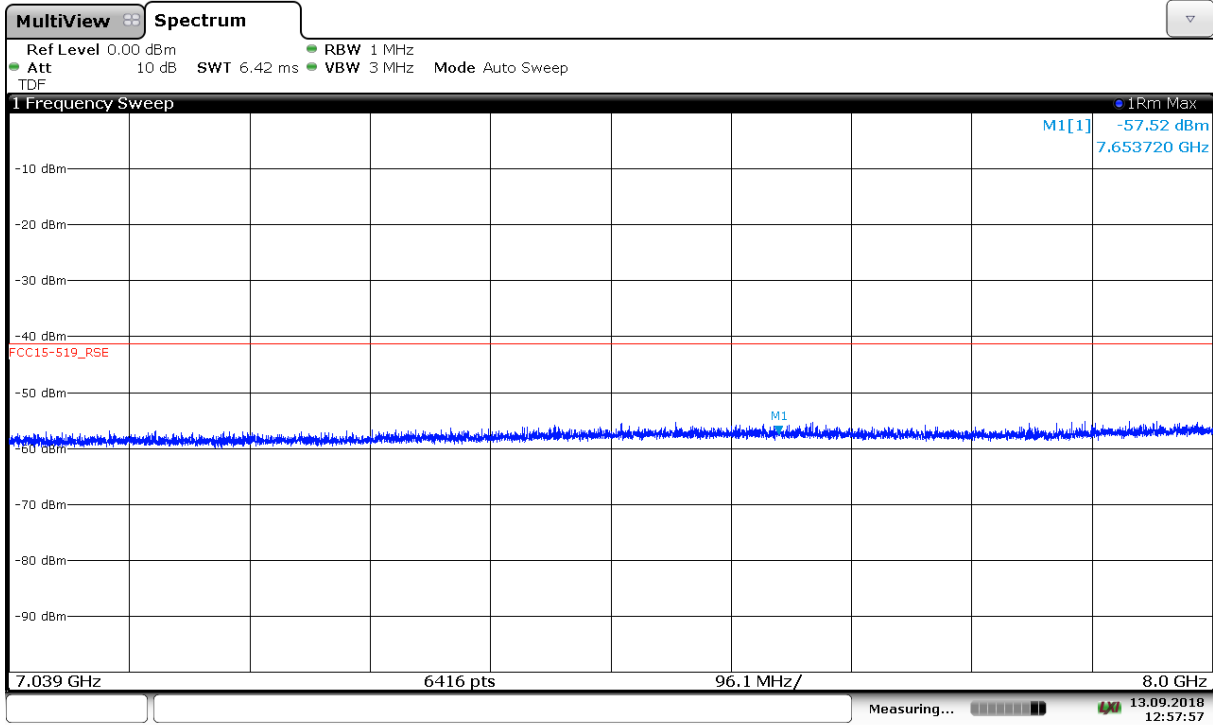
11:03:05 29.11.2018

5.14. UWB cen. frequency with span 1100 MHz, 1100 pts, SWT 1s, op. mode 1 and 7 ANT VER + HOR



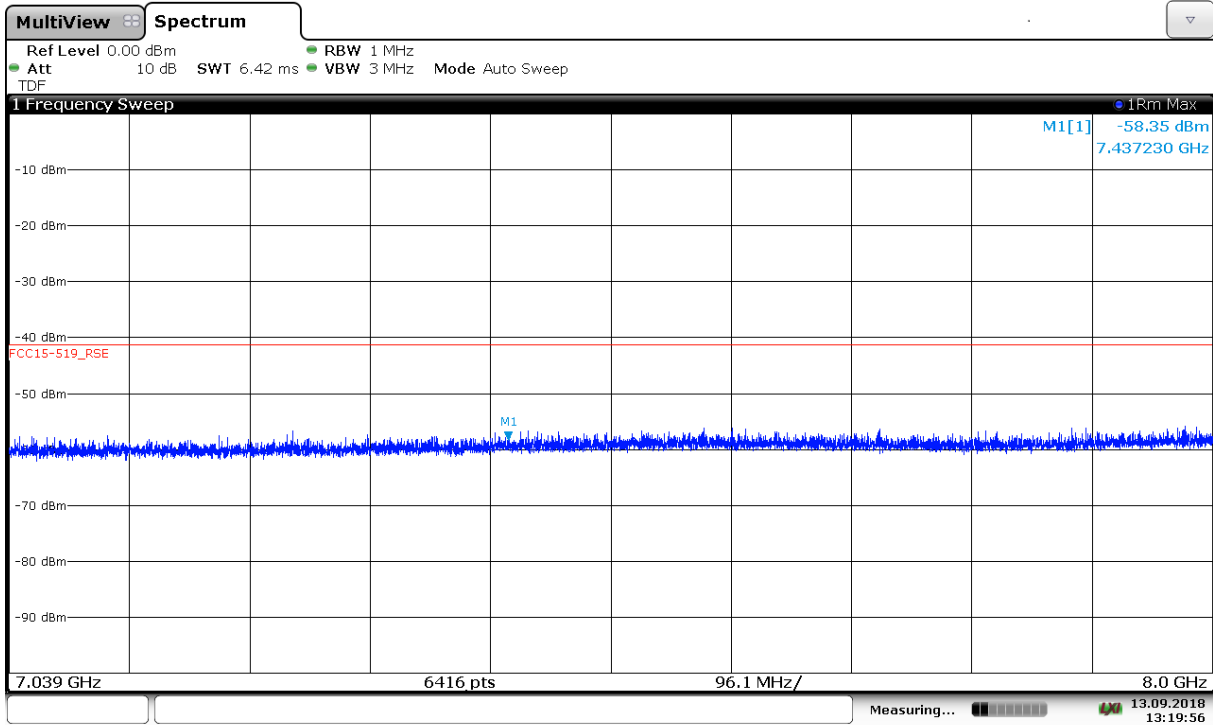
20:31:39 30.11.2018

5.15. Frequency range 7039 MHz – 8000 MHz, op. mode 1+7, ANT HOR



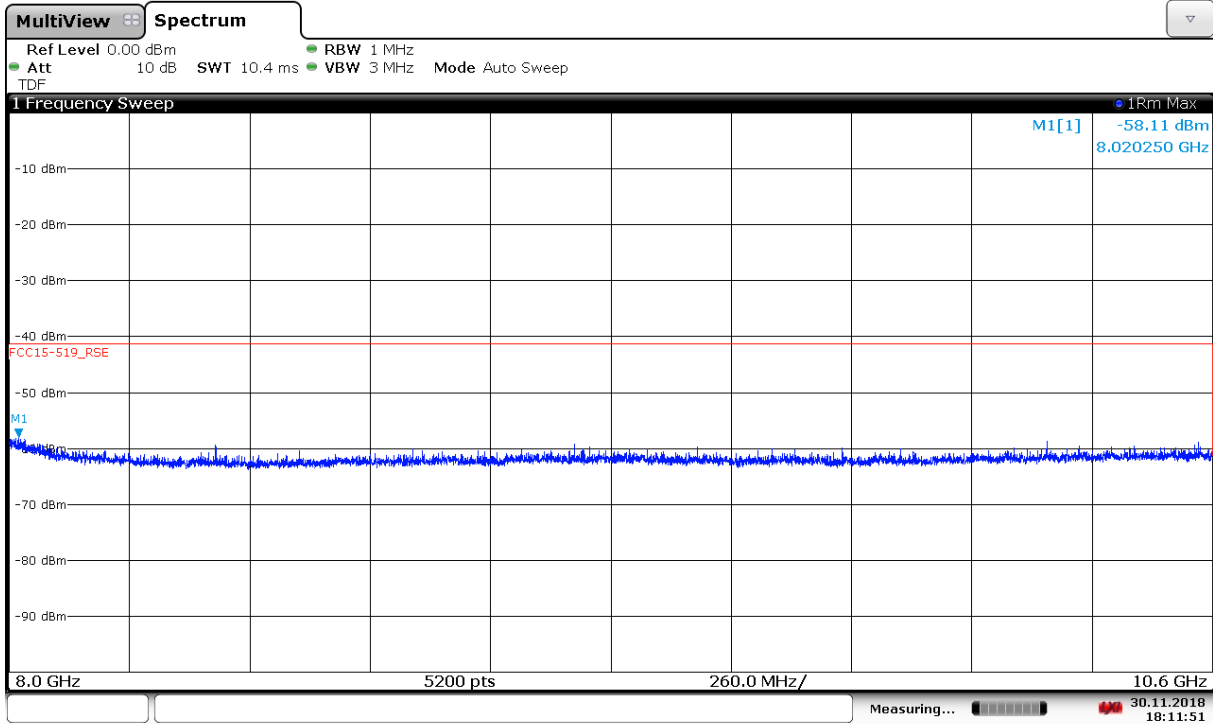
12:57:57 13.09.2018

5.16. Frequency range 7039 MHz – 8000 MHz, op. mode 1+7, ANT VER



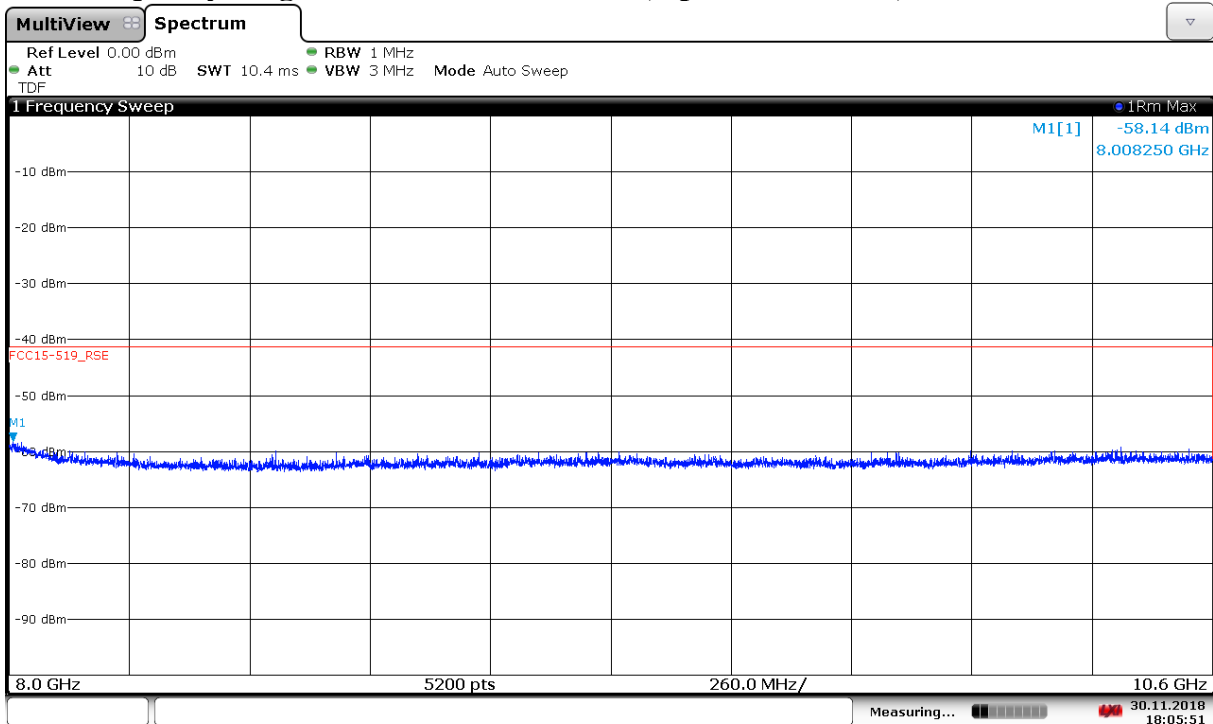
13:19:56 13.09.2018

5.17. Frequency range 8000 MHz – 10600 MHz, op. mode 1 and 7, ANT HOR



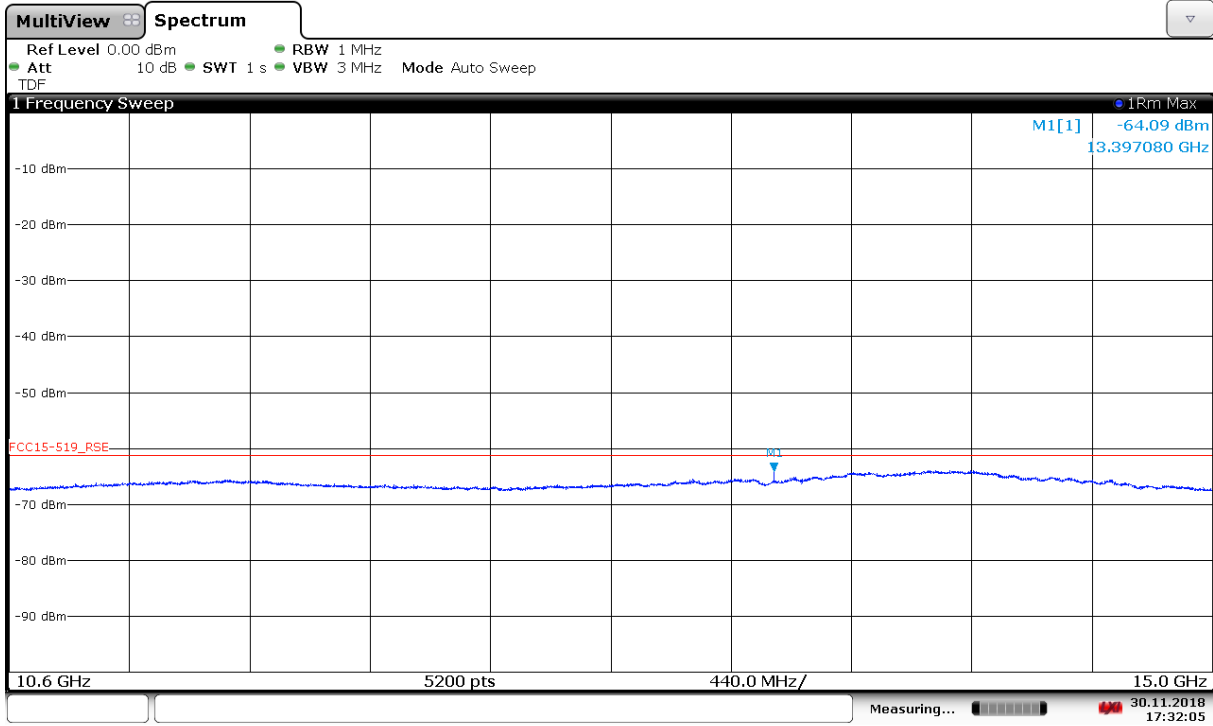
18:11:51 30.11.2018

5.18. Frequency range 8000 MHz – 10600 MHz, op. mode 1 and 7, ANT VER



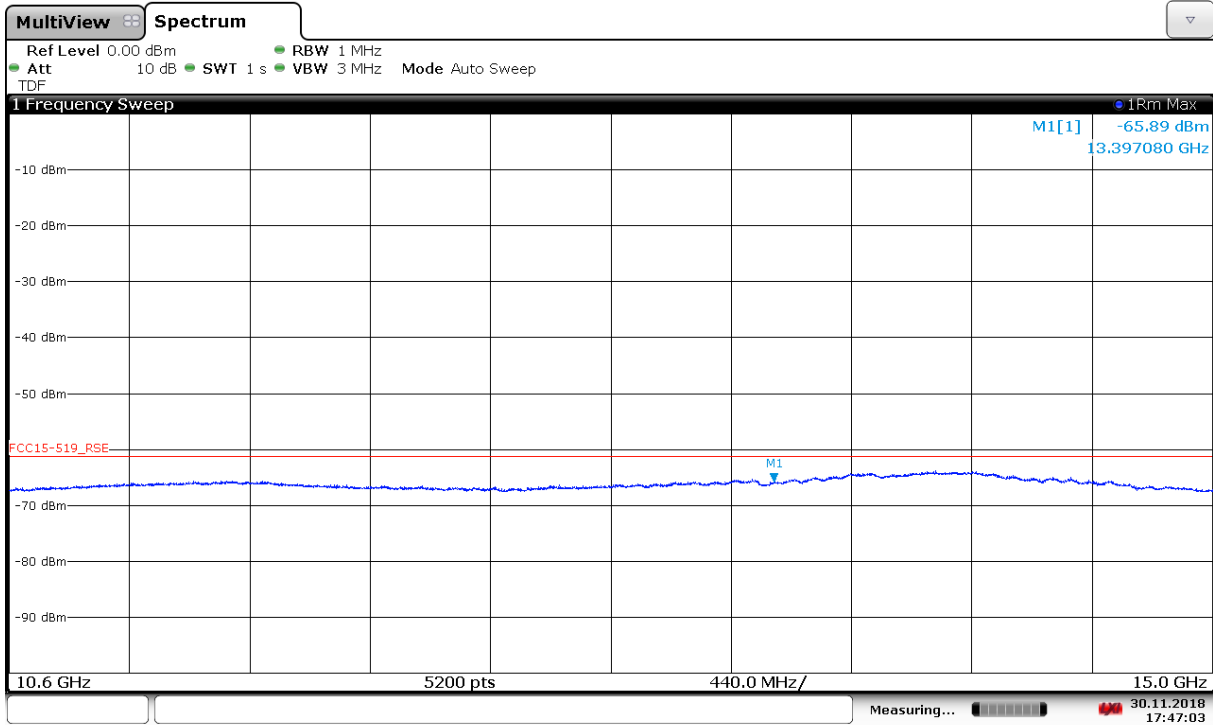
18:05:51 30.11.2018

5.19. Frequency range 10600 MHz – 15000 MHz, op. mode 1 and 7, ANT HOR



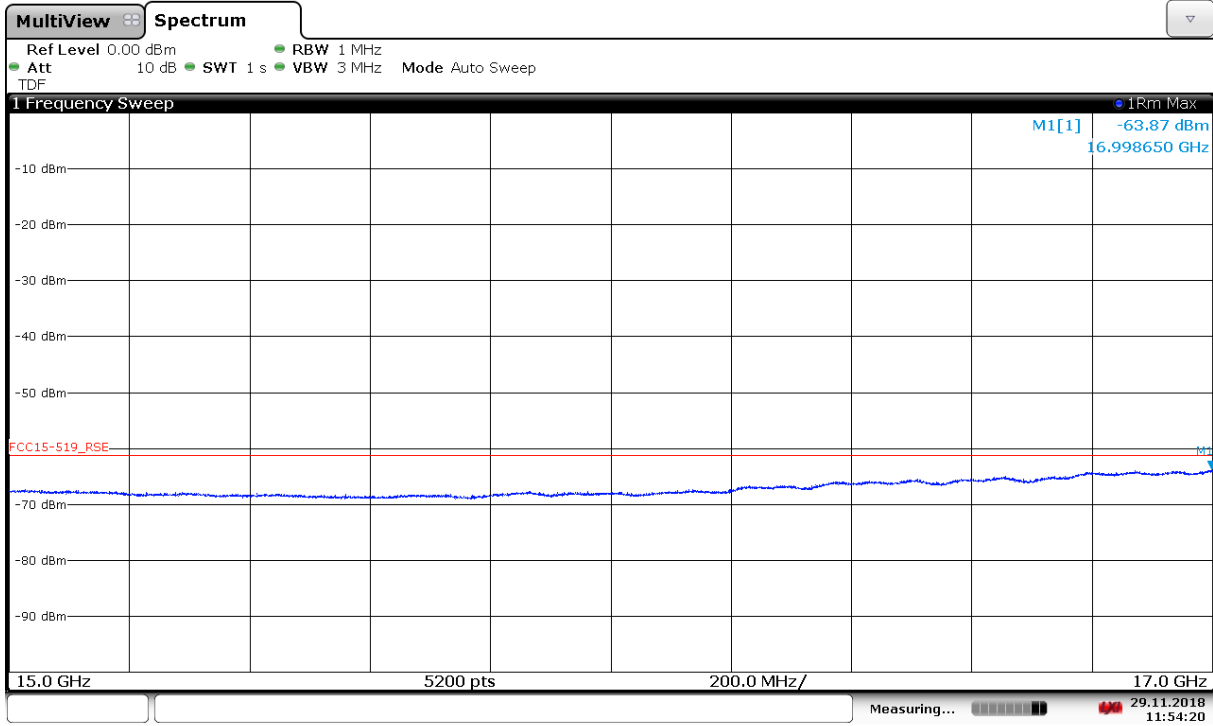
17:32:06 30.11.2018

5.20. Frequency range 10600 MHz – 15000 MHz, op. mode 1 and 7, ANT VER



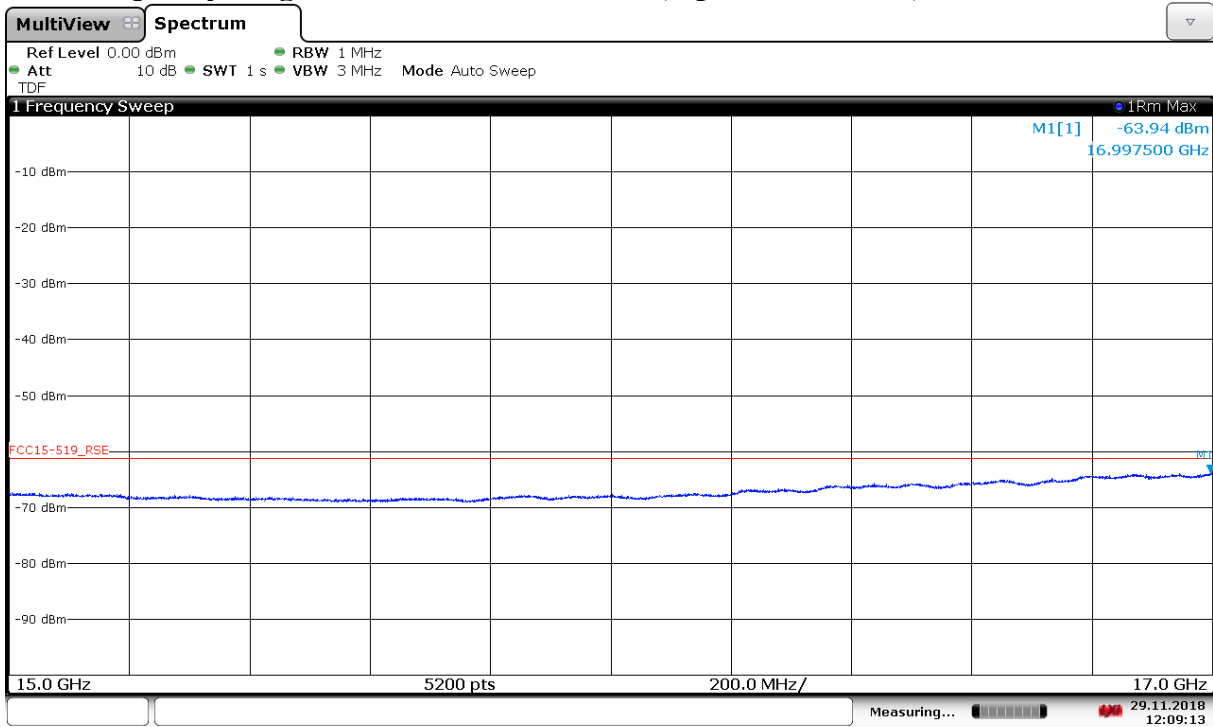
17:47:03 30.11.2018

5.21. Frequency range 15000 MHz – 17000 MHz, op. mode 1 and 7, ANT HOR



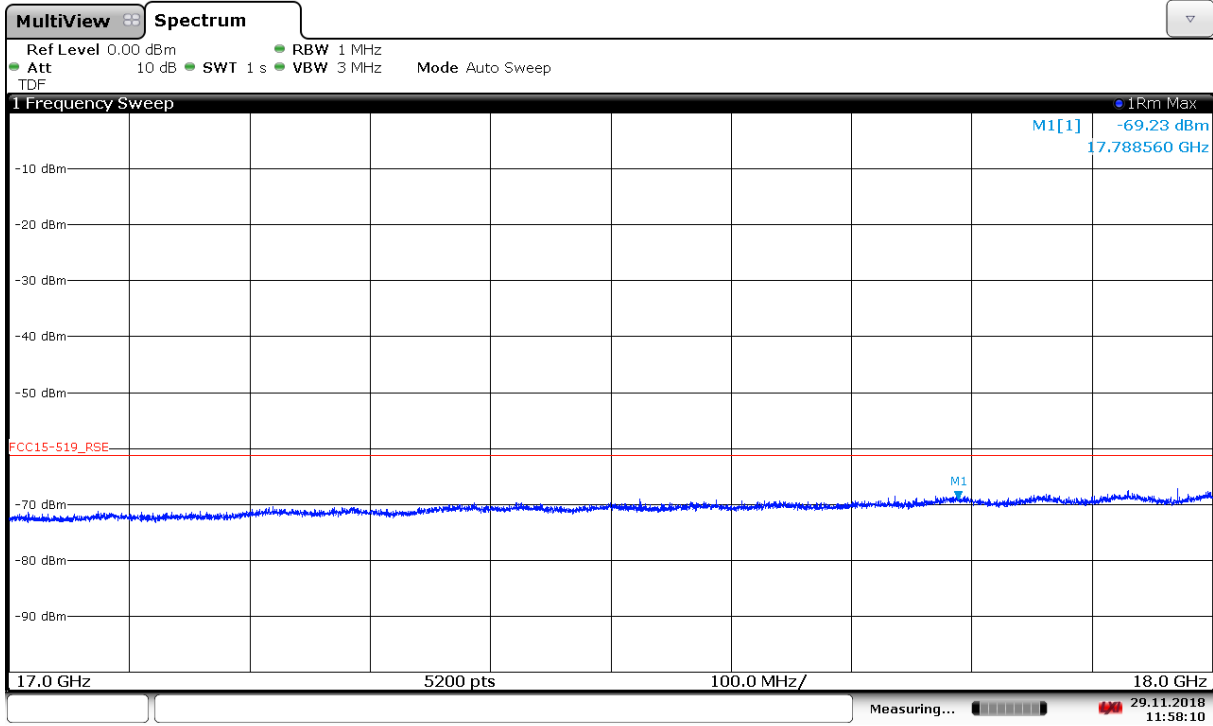
11:54:20 29.11.2018

5.22. Frequency range 15000 MHz – 17000 MHz, op. mode 1 and 7, ANT VER



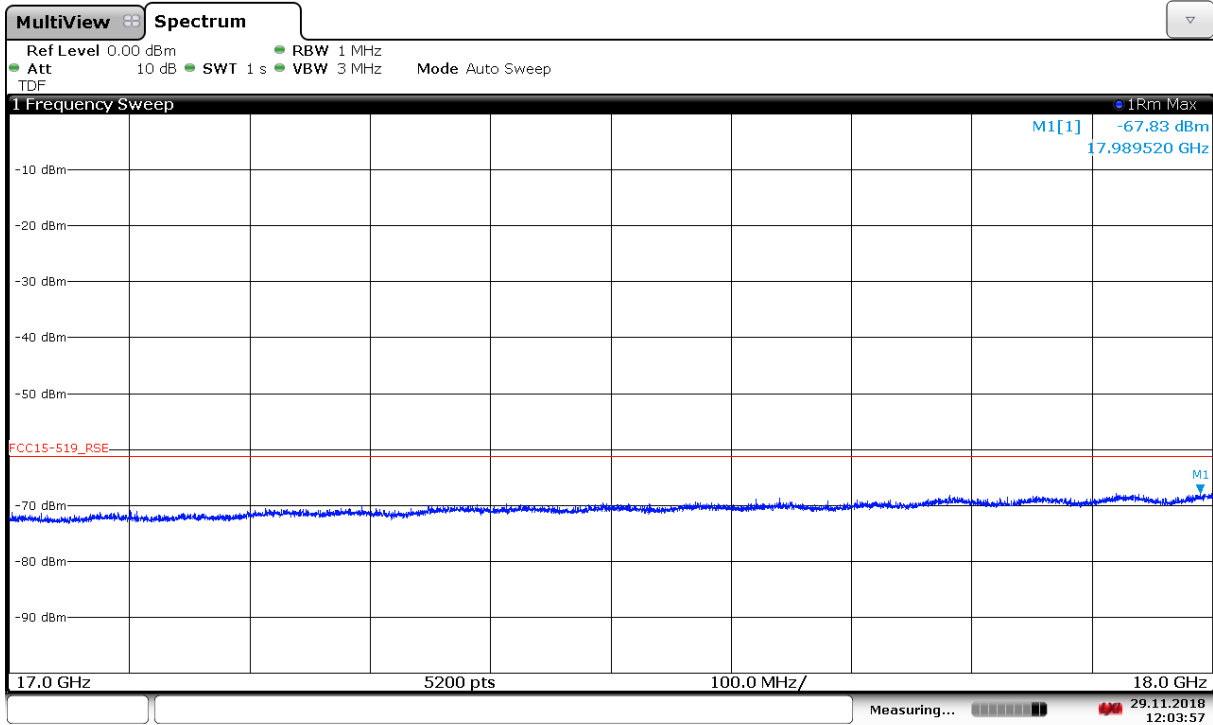
12:09:14 29.11.2018

5.23. Frequency range 17000 MHz – 18000 MHz, op. mode 1 and 7, ANT HOR



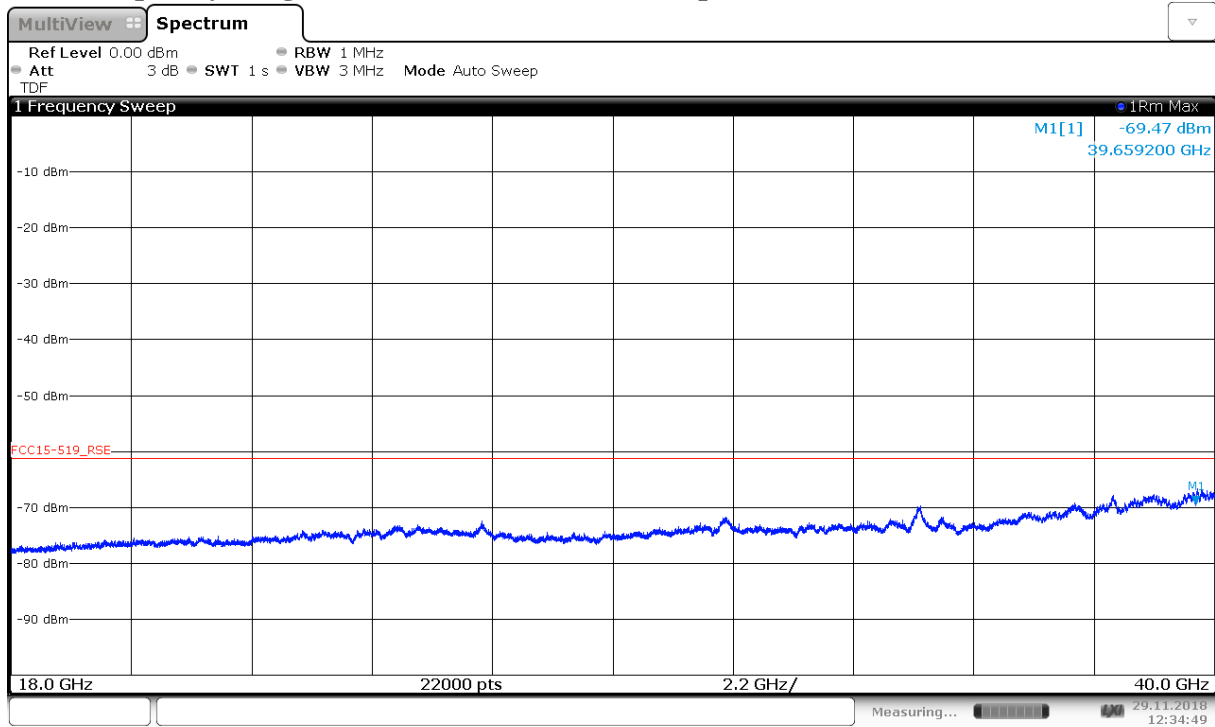
11:58:10 29.11.2018

5.24. Frequency range 17000 MHz – 18000 MHz, op. mode 1 and 7, ANT VER



12:03:57 29.11.2018

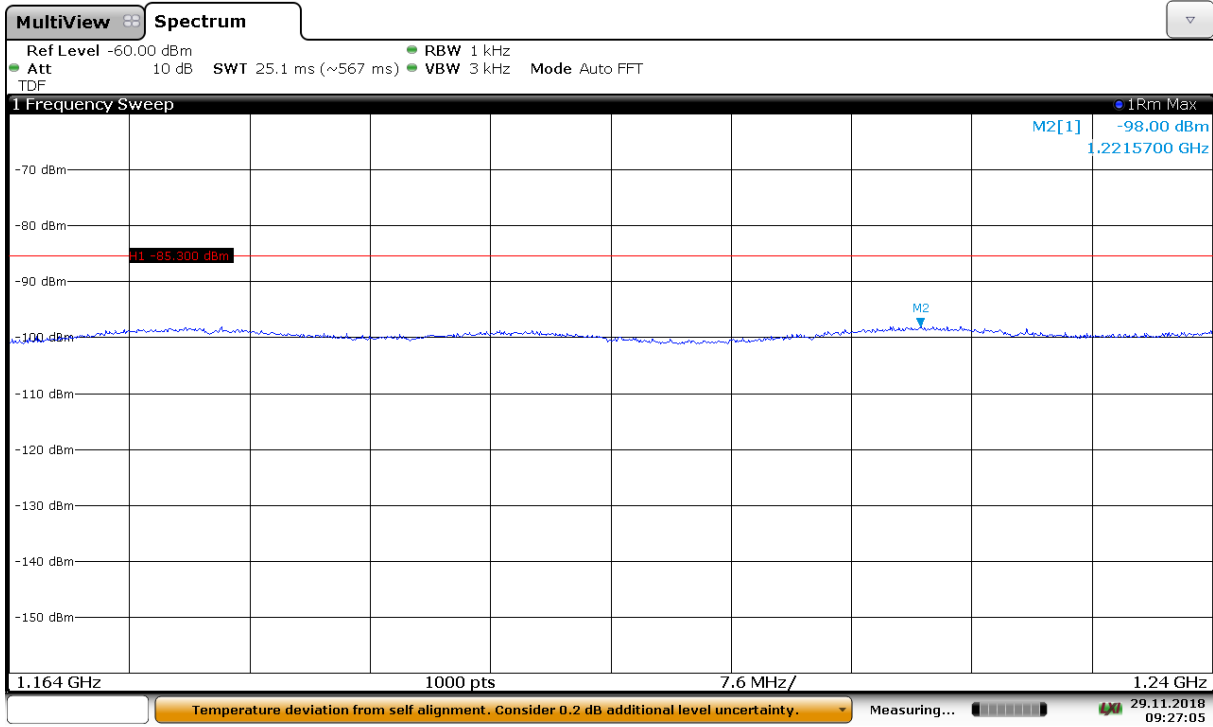
5.25. Frequency range 18000 MHz – 40000 MHz, op. mode 1 and 7, ANT HOR + VER



12:34:50 29.11.2018

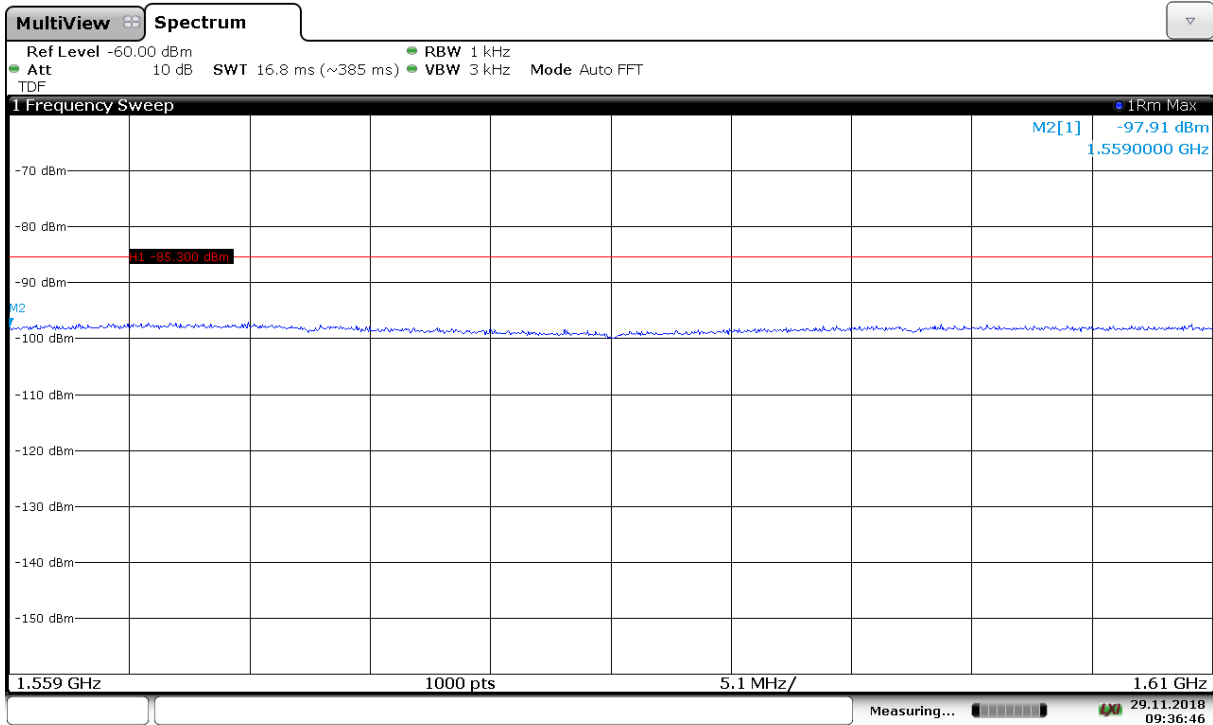
6. Radiated emissions in the GPS bands

6.1. Frequency range 1164 MHz – 1240 MHz, op. mode 1 and 7



09:27:05 29.11.2018

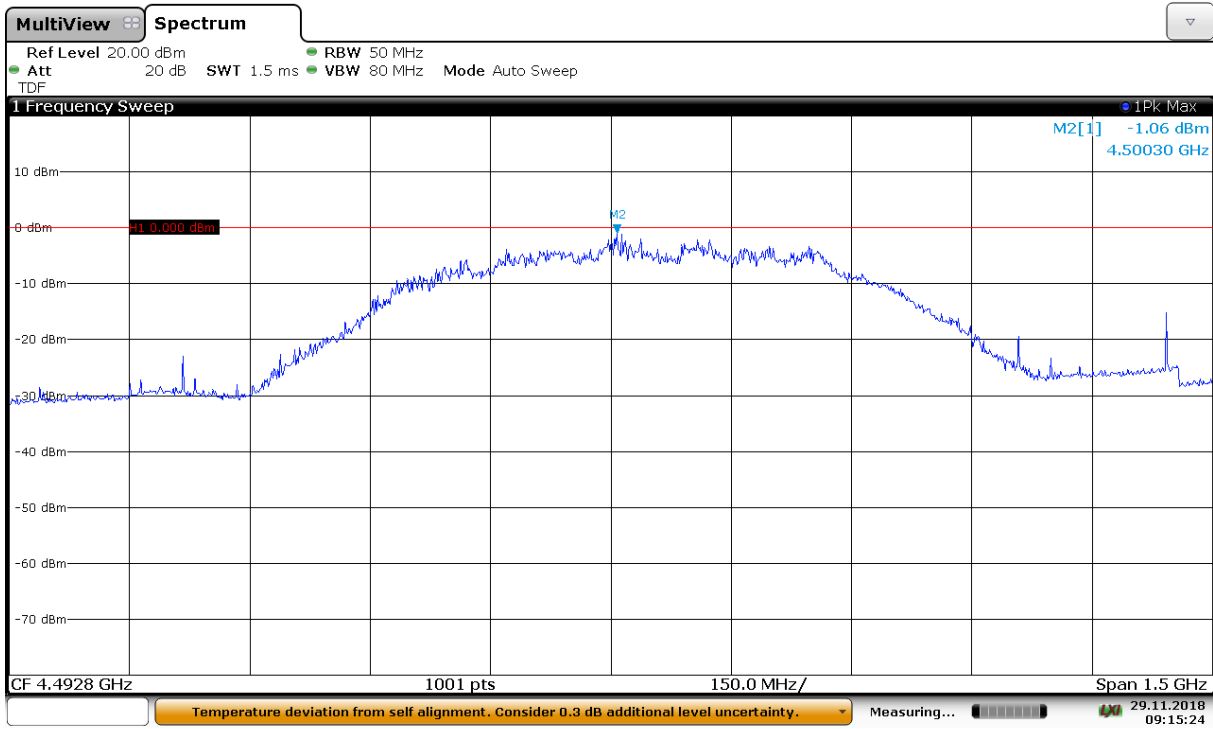
6.2. Frequency range 1559 MHz – 1610 MHz, op. mode 1 and 7



09:36:46 29.11.2018

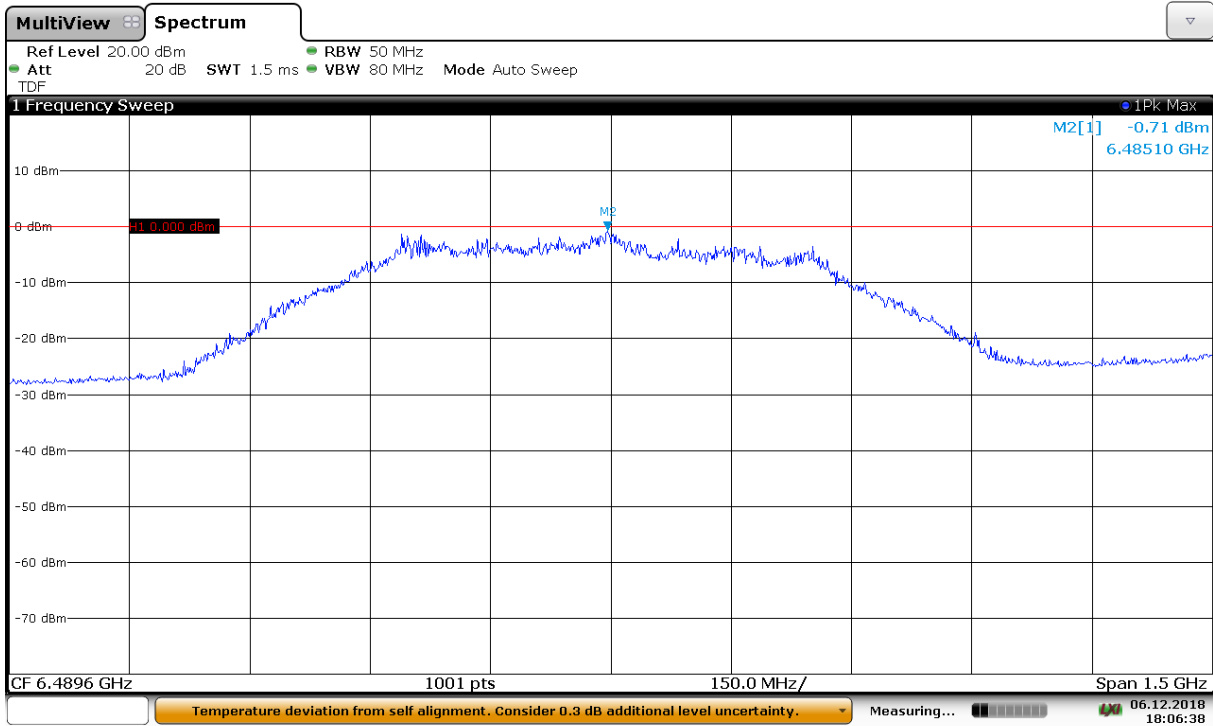
7. Fundamental emission peak power

7.1. Fundamental emission peak power, op. mode 1



09:15:24 29.11.2018

7.2. Fundamental emission peak power, op. mode 7



18:06:38 06.12.2018