

Annex 1: Measurement diagrams to
TEST REPORT
No.: 19-1-0061702T01a

According to:
47 CFR Part 15.517

for

Sewio Networks s.r.o.

Anchor Vista OmniLight

FCC ID: 2ATZ8-SWA07-00

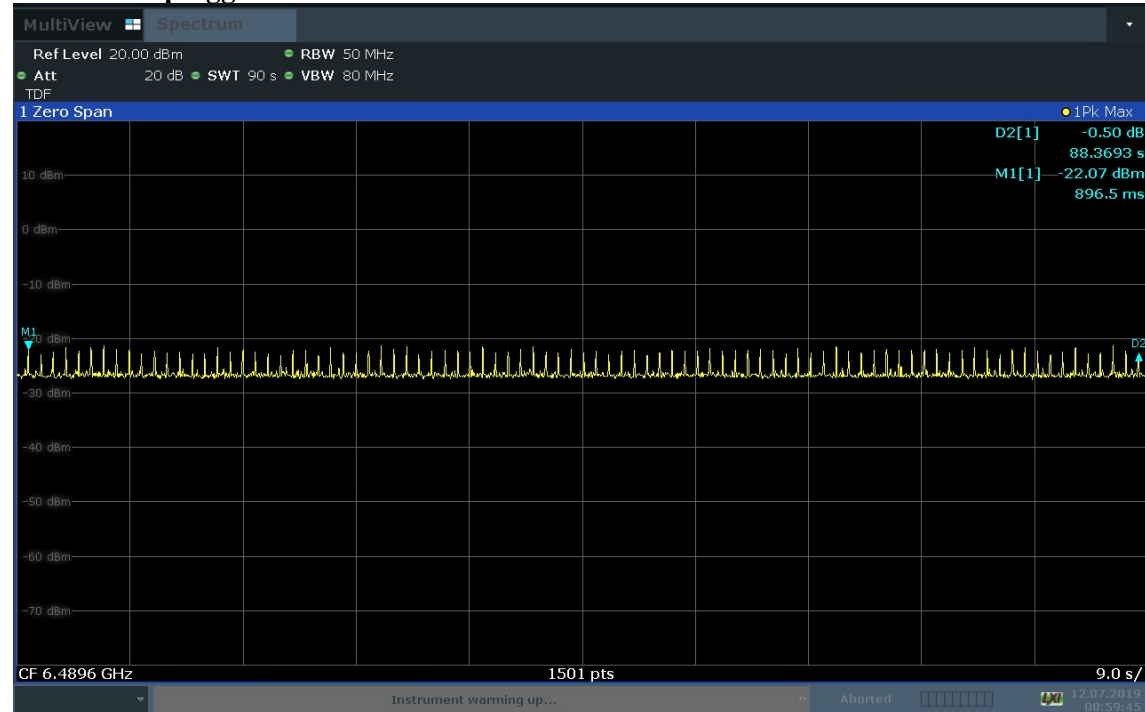
Laboratory Accreditation
 Deutsche Akkreditierungsstelle D-PL-12047-01-01 D-PL-12047-01-03 D-PL-12047-01-04
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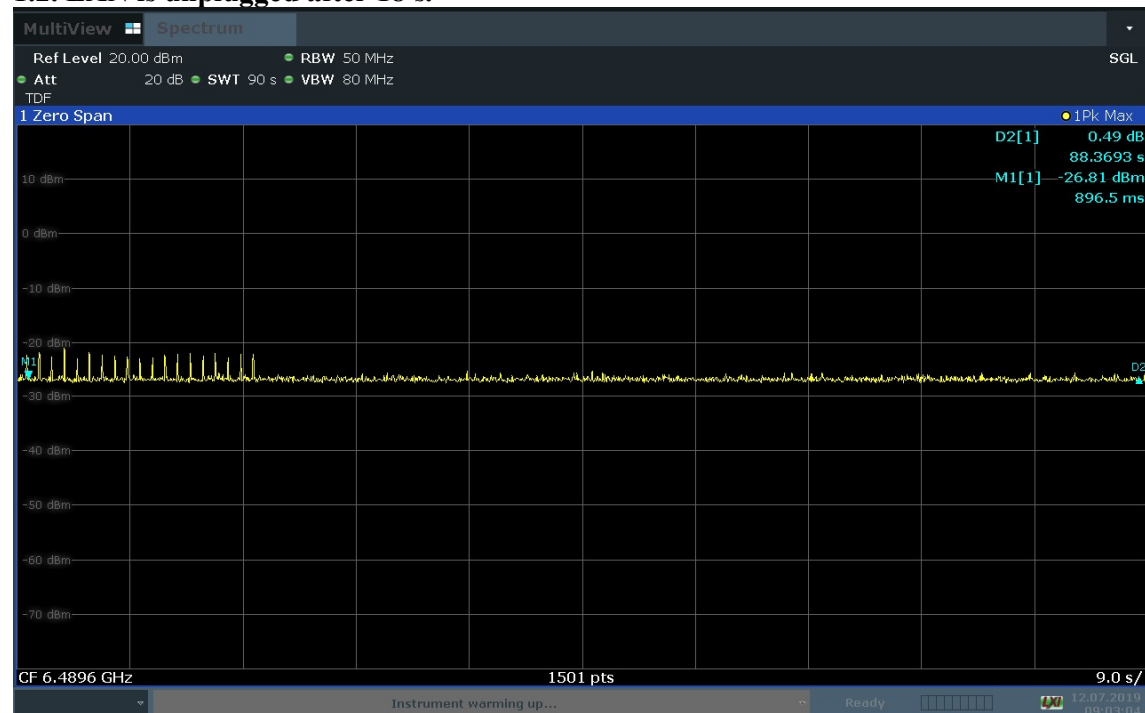
1. Transmission time measurement

1.1. LAN is plugged in.



08:59:45 12.07.2019

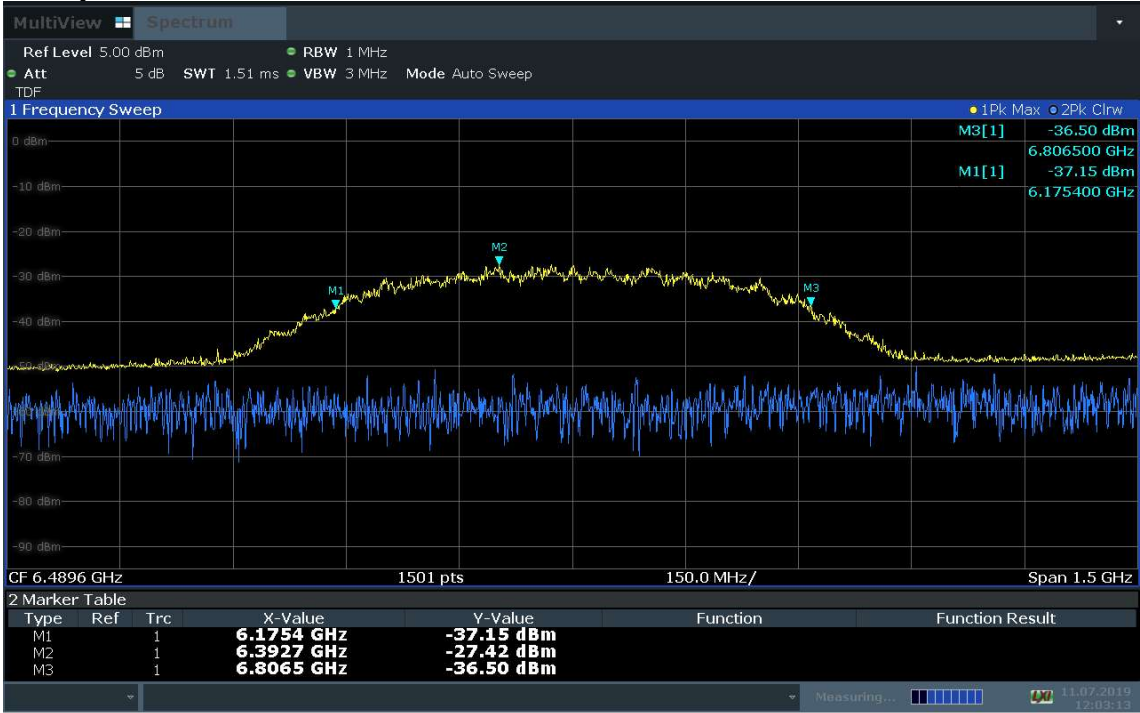
1.2. LAN is unplugged after 18 s.



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2. 10 dB bandwidth measurement

2.1. Op. Mode 1

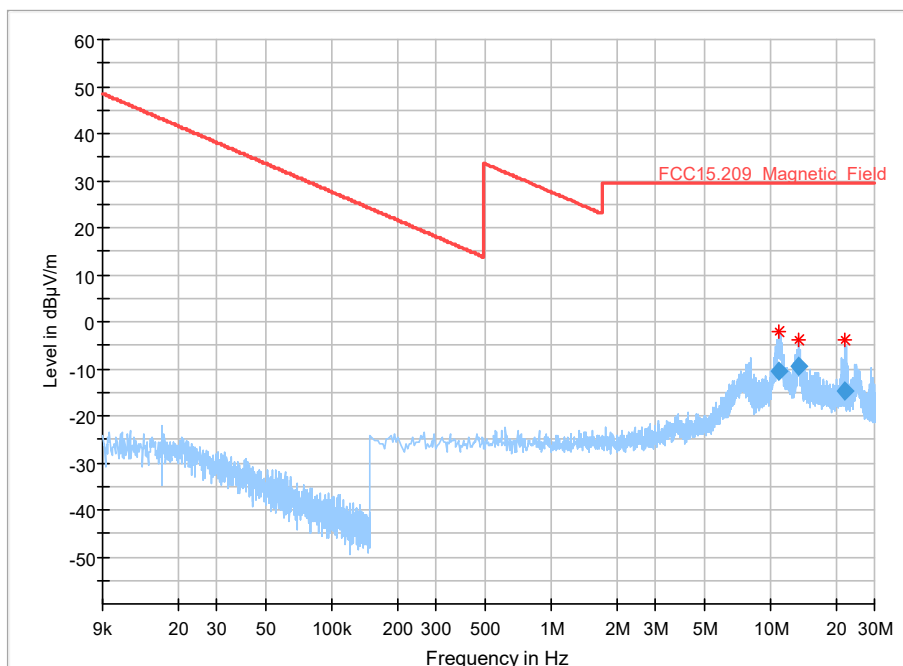


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3. General Limit - Radiated field strength emissions below 30 MHz

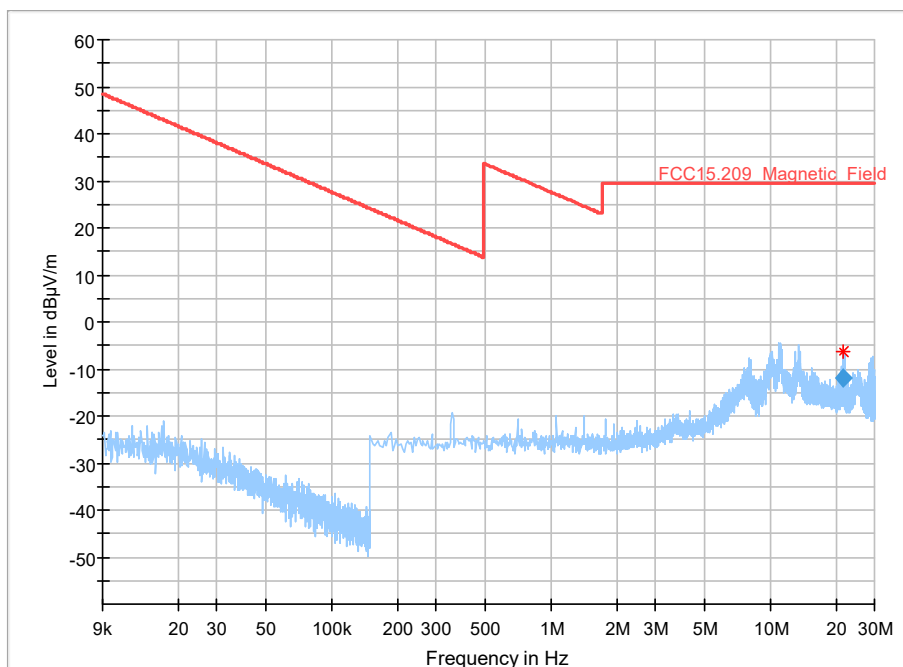
3.1. Op. Mode 1, laying

Full Spectrum



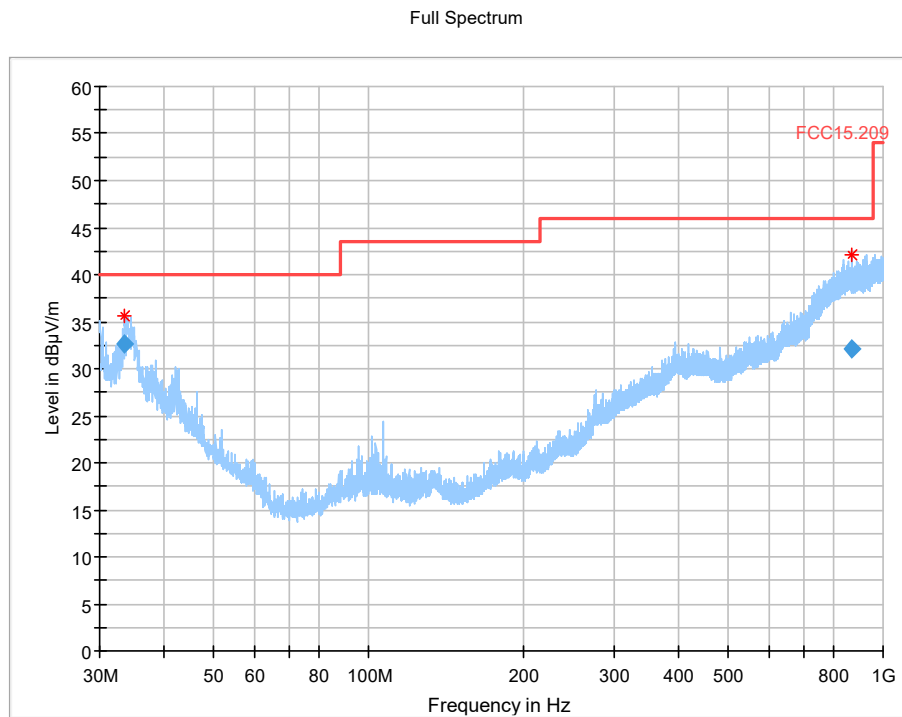
3.2. Op. Mode 1, standing

Full Spectrum

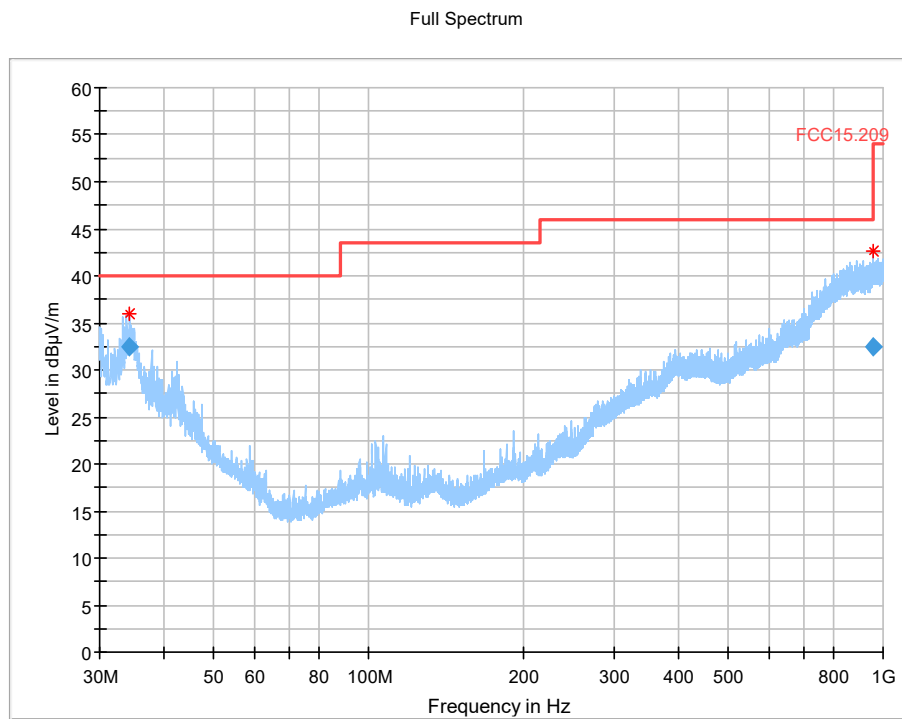


4. General Limit - Radiated field strength emissions, 30 MHz - 1 GHz

4.1. Op. Mode 1, laying

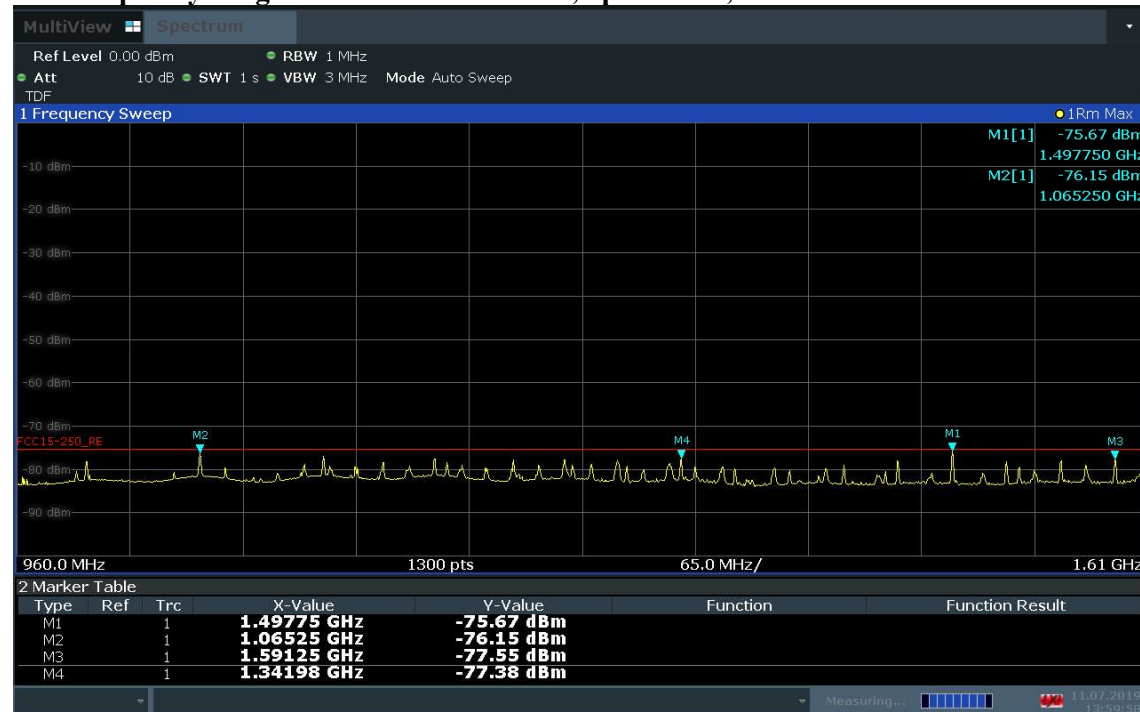


4.2. Op. Mode 1, standing



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

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



13:59:59 11.07.2019

* The limit line on the diagram has a value -75.3 dBm. This limit is the same for §15.250 and for §15.517.

5.2. Frequency range 960 MHz – 1610 MHz, op. mode 1, ANT VER, UWB ON



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5.3. Frequency range 960 MHz – 1610 MHz, op. mode 1, ANT VER, UWB OFF



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* The limit line on the diagram has a value -75.3 dBm. This limit is the same for §15.250 and for §15.517.

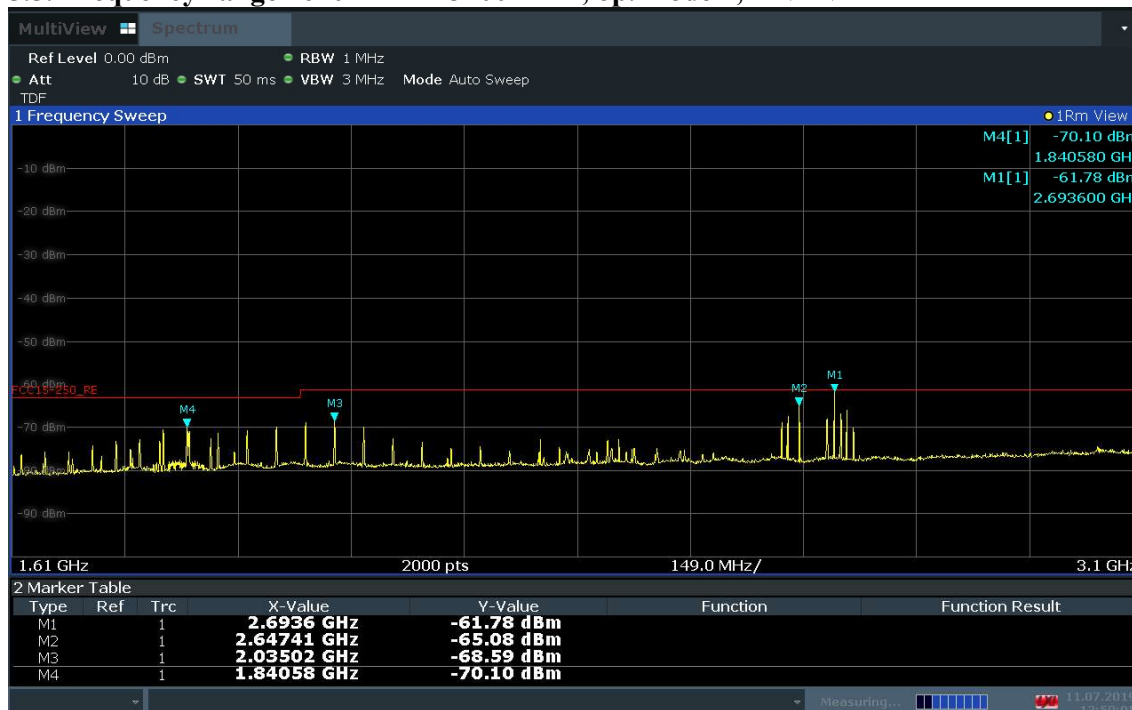
5.4. Frequency range 1610 MHz – 3100 MHz, op. mode 1, ANT HOR



13:55:41 11.07.2019

* The limit line on the diagram has a value -63.3 dBm for frequency range 1610 MHz – 1990 MHz and -61.3 dBm for frequency range 1990 MHz – 3100 MHz (according to §15.520). The limit for §15.517 is -53.3 dBm for frequency range 1610 MHz – 1990 MHz and -51.3 dBm for frequency range 1990 MHz – 3100 MHz.

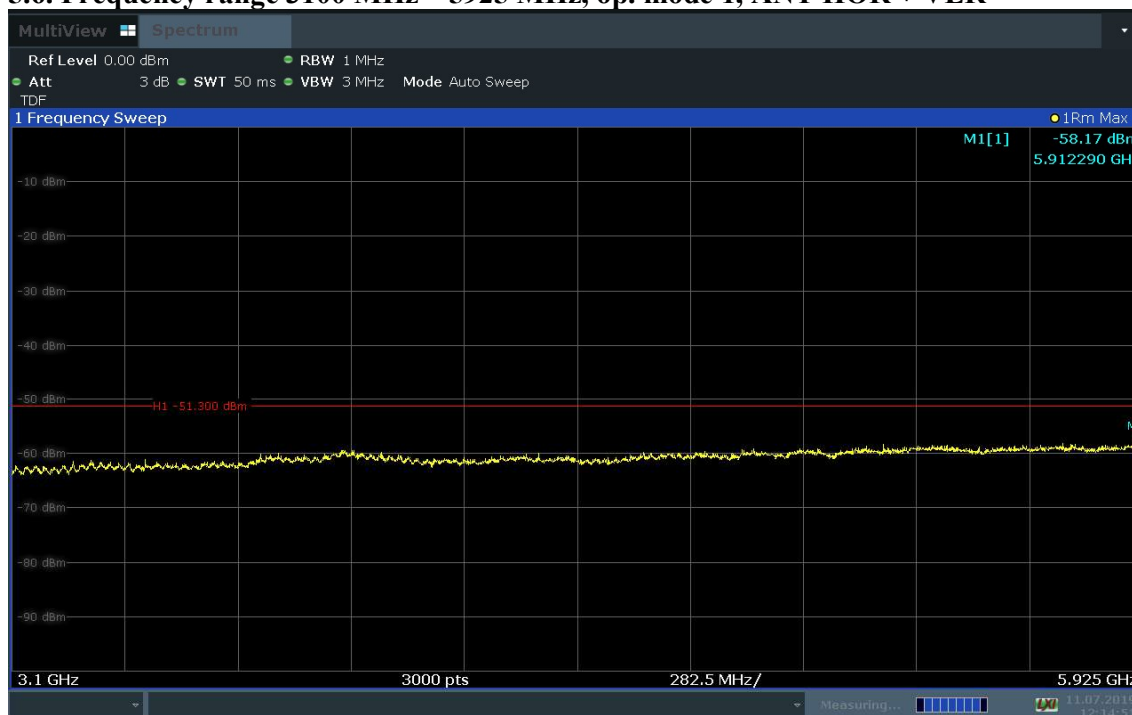
5.5. Frequency range 1610 MHz – 3100 MHz, op. mode 1, ANT VER



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* The limit line on the diagram has a value -63.3 dBm for frequency range 1610 MHz – 1990 MHz and -61.3 dBm for frequency range 1990 MHz – 3100 MHz (according to §15.520). The limit for §15.517 is -53.3 dBm for frequency range 1610 MHz – 1990 MHz and -51.3 dBm for frequency range 1990 MHz – 3100 MHz.

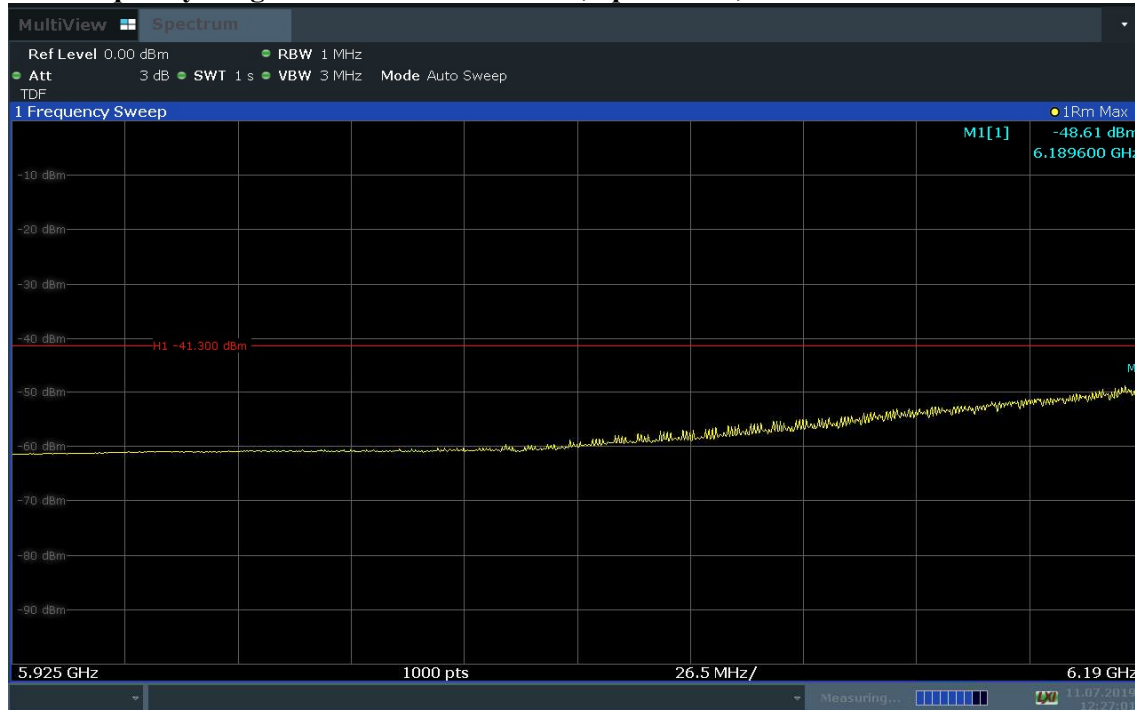
5.6. Frequency range 3100 MHz – 5925 MHz, op. mode 1, ANT HOR + VER



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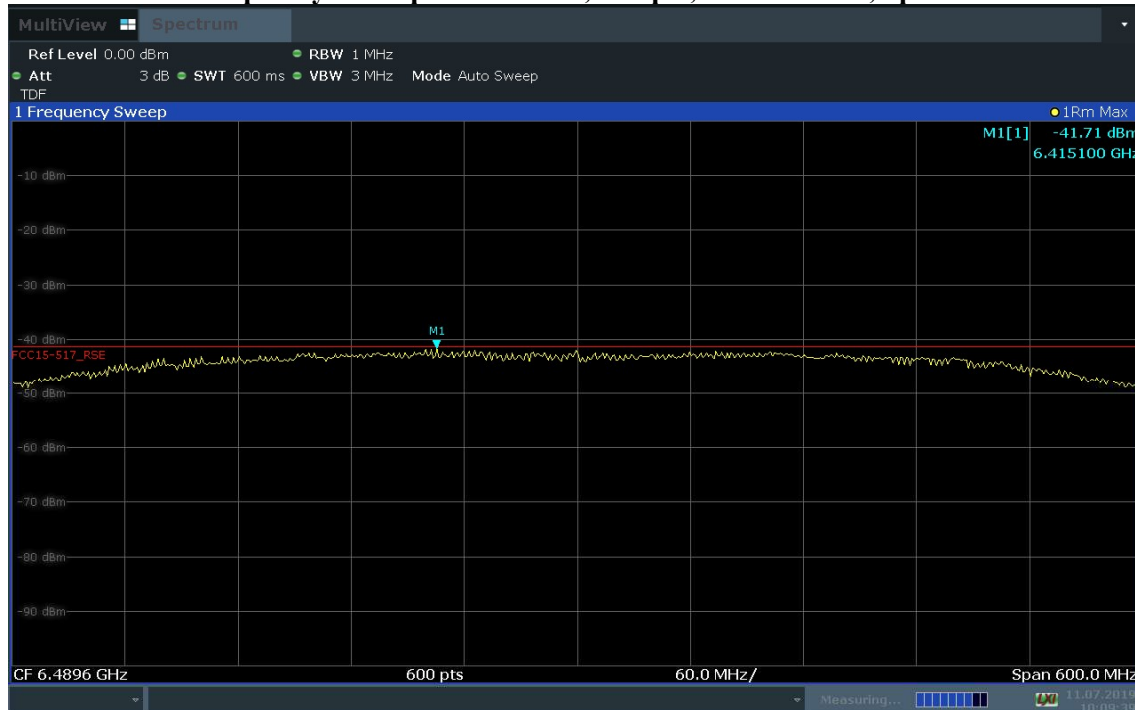
* The limit line on the diagram has a value -51.3 dBm for frequency range 3100 MHz – 5925 MHz (according to §15.520). The limit for §15.517 is -41.3 dBm for frequency range 3100 MHz – 10600 MHz.

5.7. Frequency range 5925 MHz – 6190 MHz, op. mode 1, ANT VER + HOR



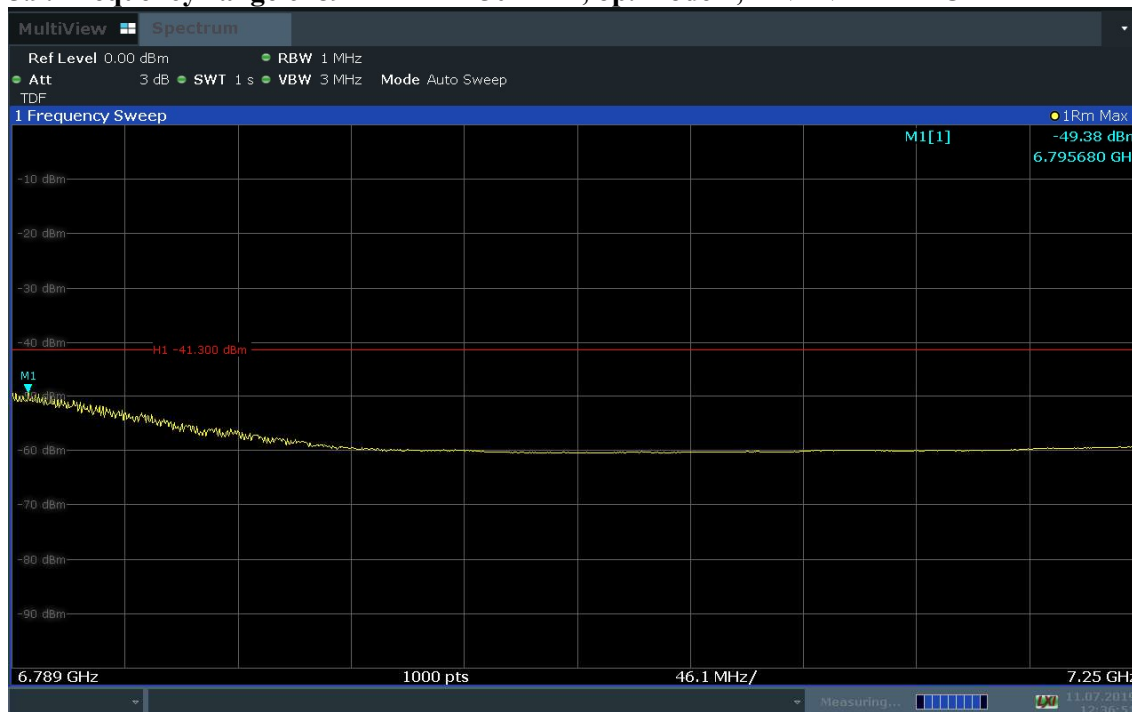
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5.8. UWB cen. frequency with span 600 MHz, 600 pts, SWT 600 ms, op. mode 1



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5.9. Frequency range 6789 MHz – 7250 MHz, op. mode 1, ANT VER + HOR



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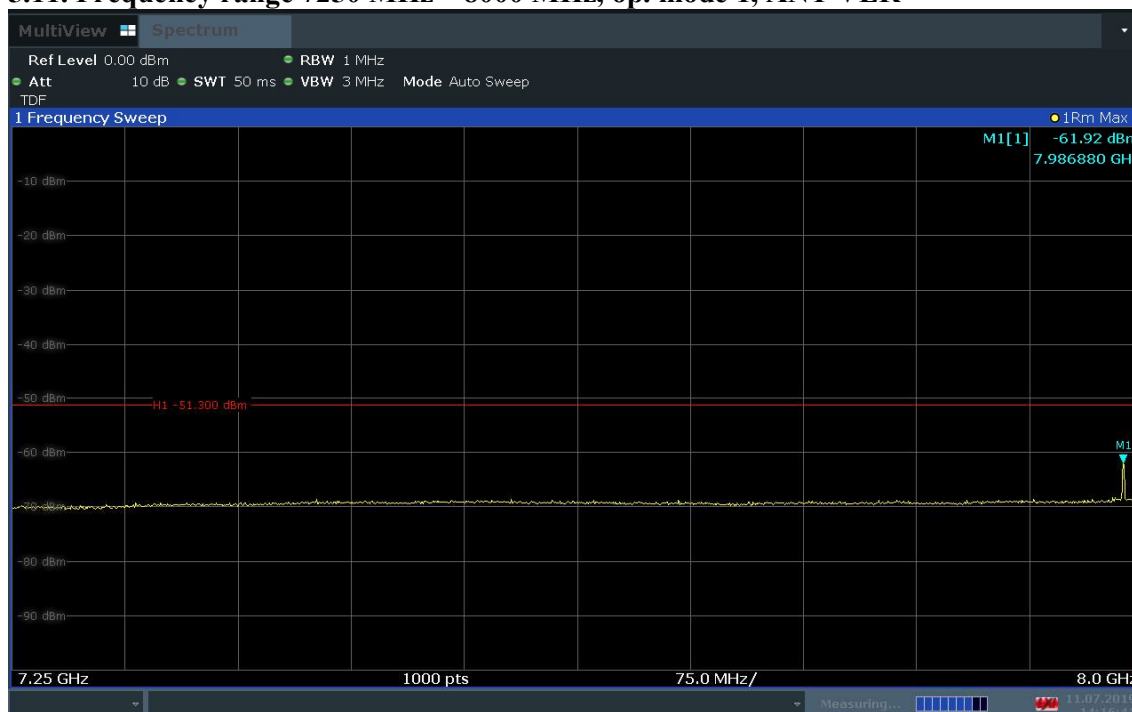
5.10. Frequency range 7250 MHz – 8000 MHz, op. mode 1, ANT HOR



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* The limit line on the diagram has a value -51.3 dBm for frequency range 7250 MHz – 8000 MHz (according to §15.520). The limit for §15.517 is -41.3 dBm for frequency range 3100 MHz – 10600 MHz.

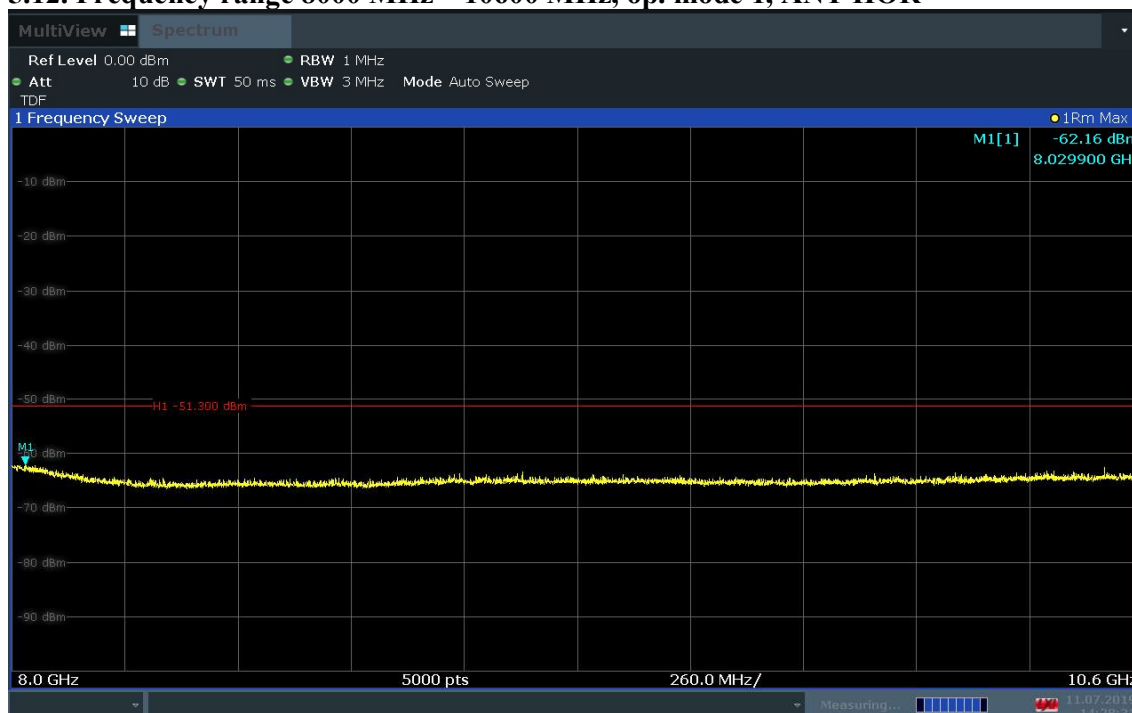
5.11. Frequency range 7250 MHz – 8000 MHz, op. mode 1, ANT VER



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* The limit line on the diagram has a value -51.3 dBm for frequency range 7250 MHz – 8000 MHz (according to §15.520). The limit for §15.517 is -41.3 dBm for frequency range 3100 MHz – 10600 MHz.

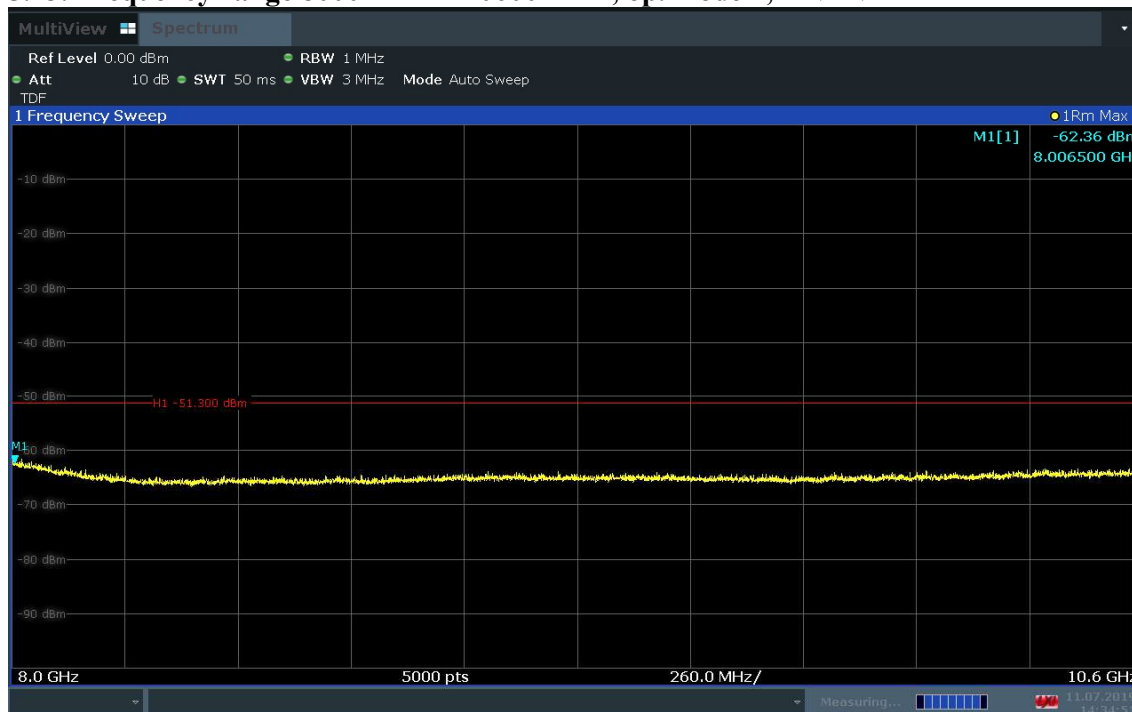
5.12. Frequency range 8000 MHz – 10600 MHz, op. mode 1, ANT HOR



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* The limit line on the diagram has a value -51.3 dBm for frequency range 8000 MHz – 10600 MHz (according to §15.520). The limit for §15.517 is -41.3 dBm for frequency range 3100 MHz – 10600 MHz.

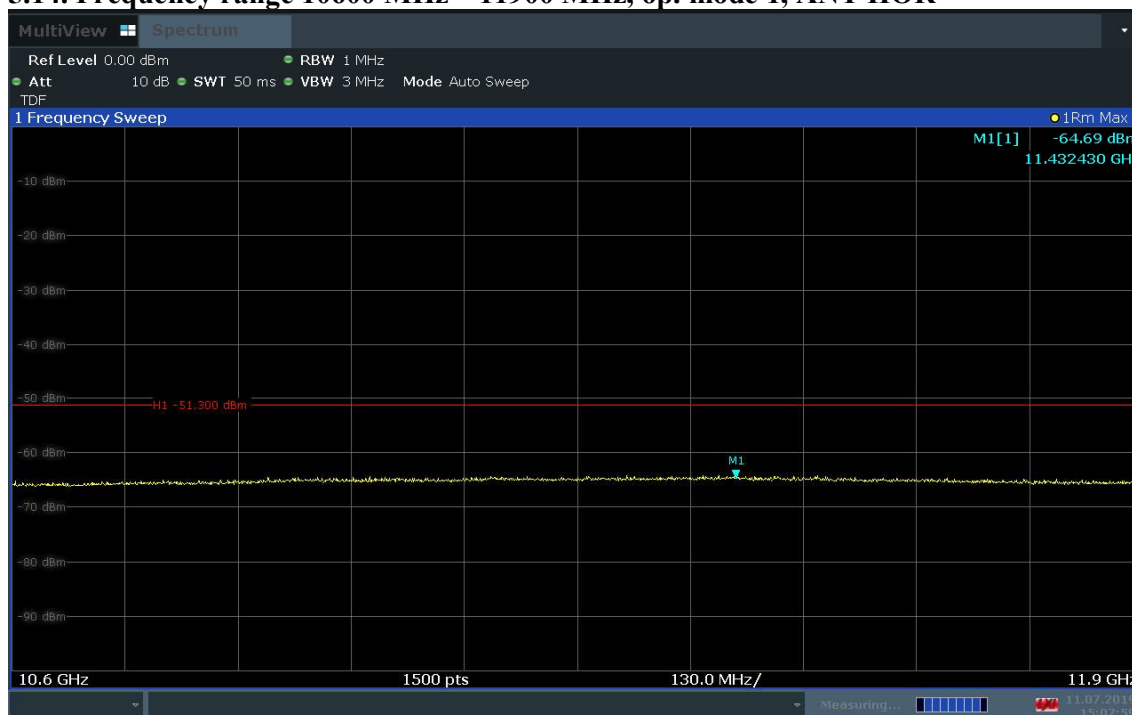
5.13. Frequency range 8000 MHz – 10600 MHz, op. mode 1, ANT VER



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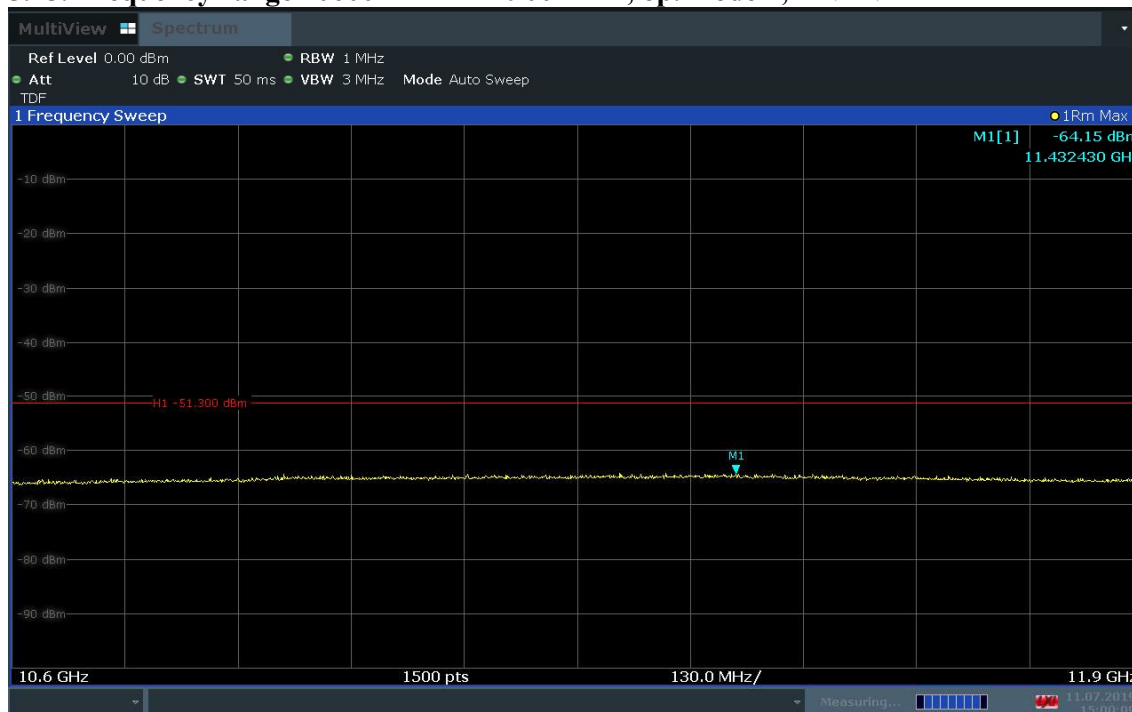
* The limit line on the diagram has a value -51.3 dBm for frequency range 8000 MHz – 10600 MHz (according to §15.520). The limit for §15.517 is -41.3 dBm for frequency range 3100 MHz – 10600 MHz.

5.14. Frequency range 10600 MHz – 11900 MHz, op. mode 1, ANT HOR



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5.15. Frequency range 10600 MHz – 11900 MHz, op. mode 1, ANT VER



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5.16. Frequency range 11900 MHz – 12400 MHz, op. mode 1, ANT HOR



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* The limit line on the diagram has a value -61.3 dBm for frequency range 11900 MHz – 12400 MHz (according to §15.520). The limit for §15.517 is -51.3 dBm for frequency range above 10600 MHz.

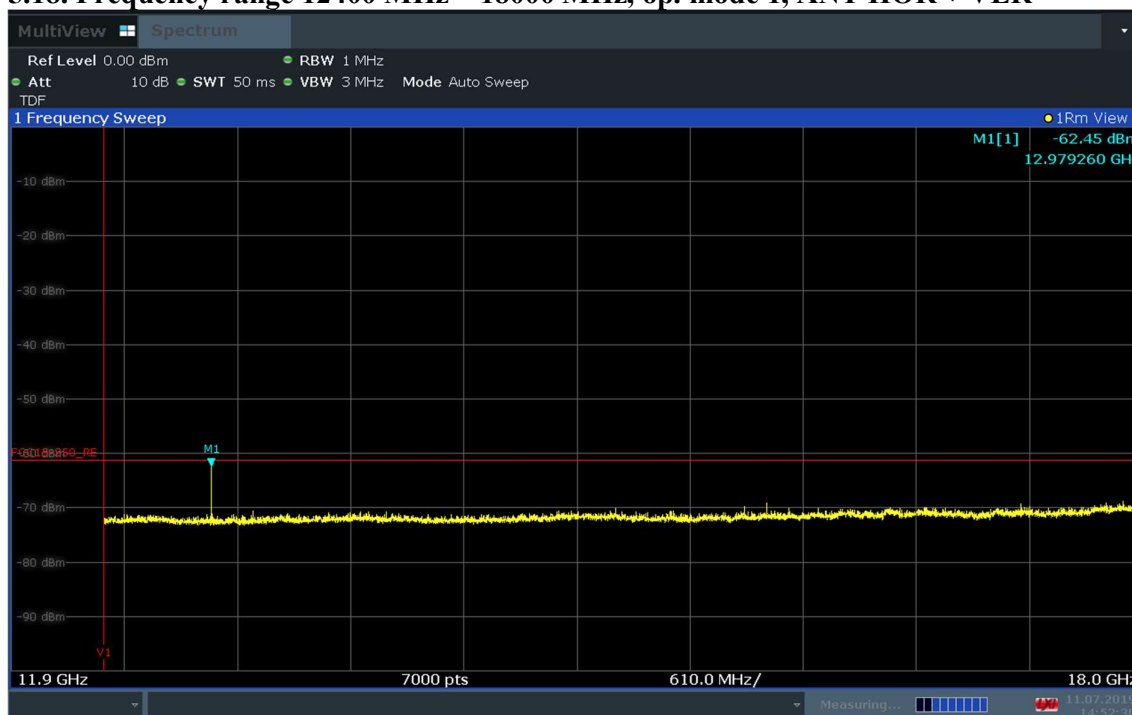
5.17. Frequency range 11900 MHz – 12400 MHz, op. mode 1, ANT VER



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* The limit line on the diagram has a value -61.3 dBm for frequency range 11900 MHz – 12400 MHz (according to §15.520). The limit for §15.517 is -51.3 dBm for frequency range above 10600 MHz.

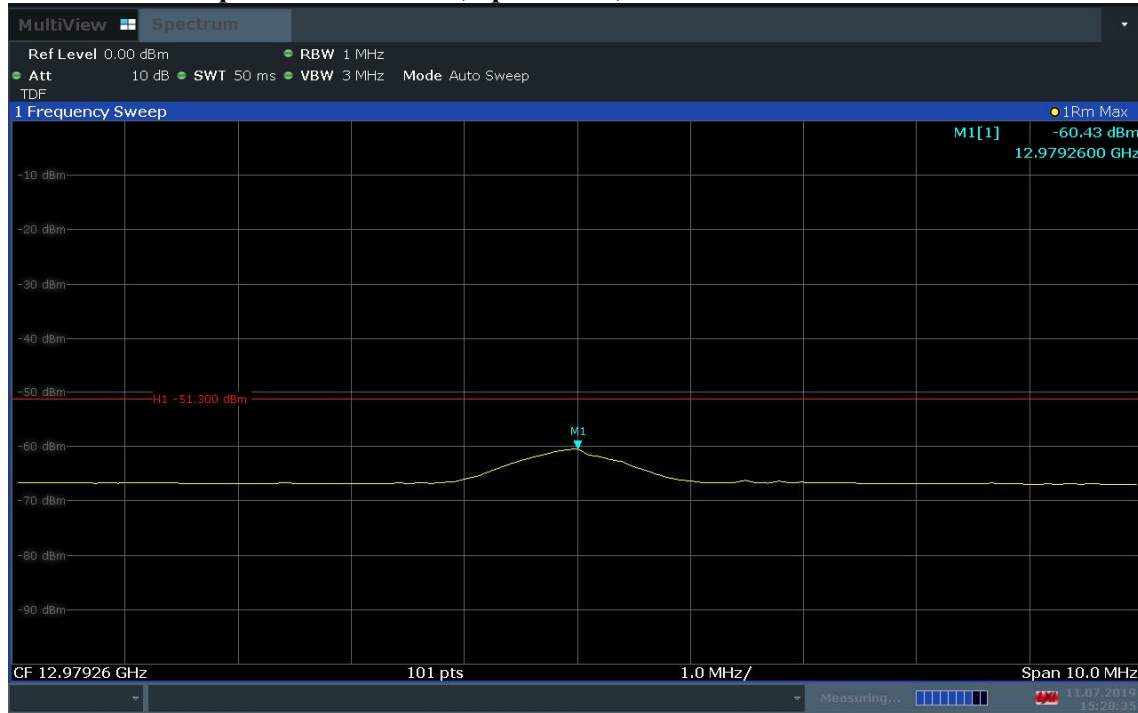
5.18. Frequency range 12400 MHz – 18000 MHz, op. mode 1, ANT HOR + VER



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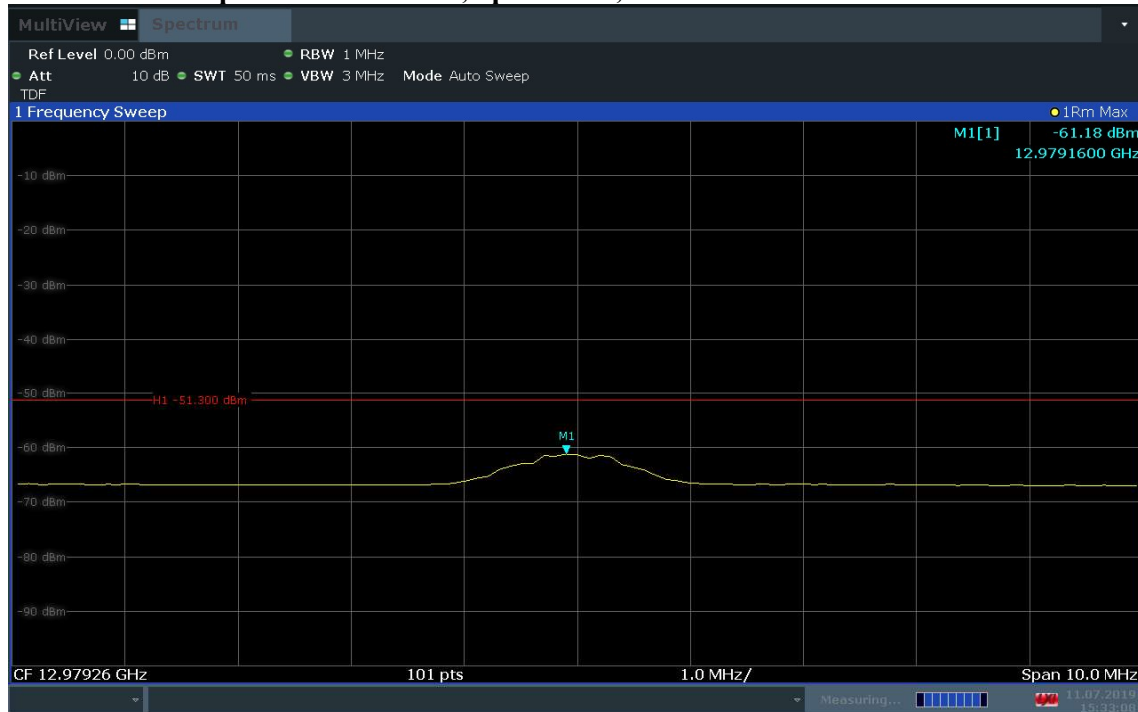
* The limit line on the diagram has a value -61.3 dBm for frequency range 12400 MHz – 18000 MHz (according to §15.520). The limit for §15.517 is -51.3 dBm for frequency range above 10600 MHz.

5.19. 12.96 GHz peak measurement, op. mode 1, ANT VER



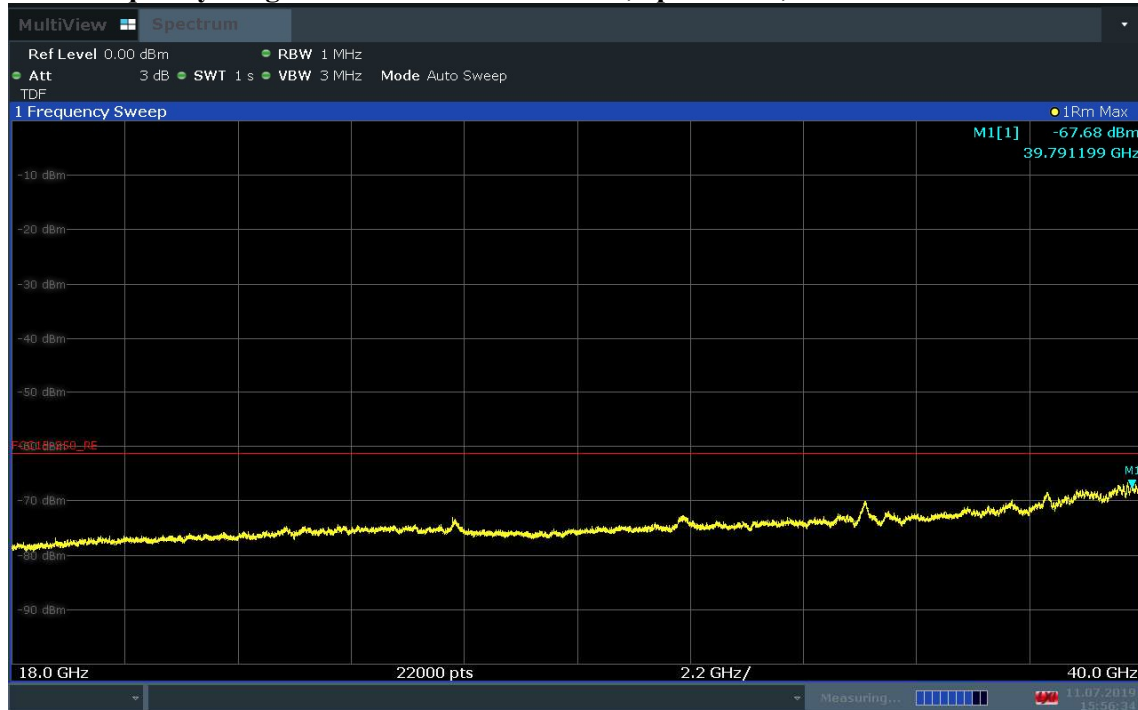
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5.20. 12.96 GHz peak measurement, op. mode 1, ANT HOR



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5.21. Frequency range 18000 MHz – 40000 MHz, op. mode 1, ANT HOR + VER

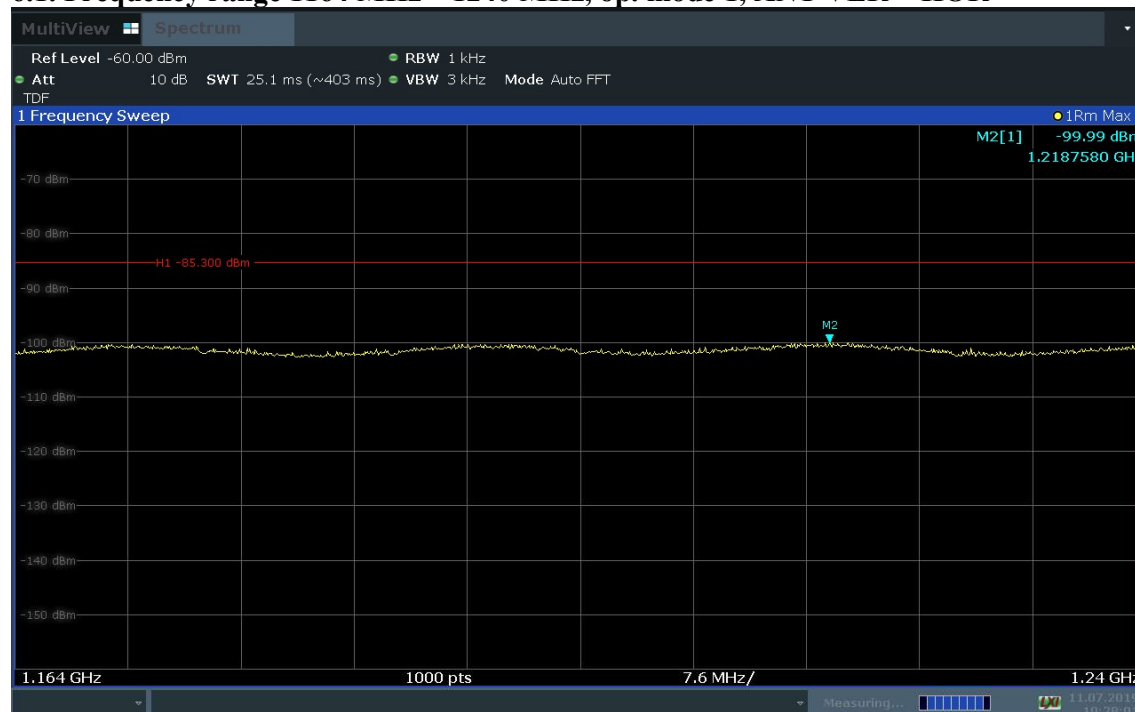


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* The limit line on the diagram has a value -61.3 dBm for frequency range 18000 MHz – 40000 MHz (according to §15.520). The limit for §15.517 is -51.3 dBm for frequency range above 10600 MHz.

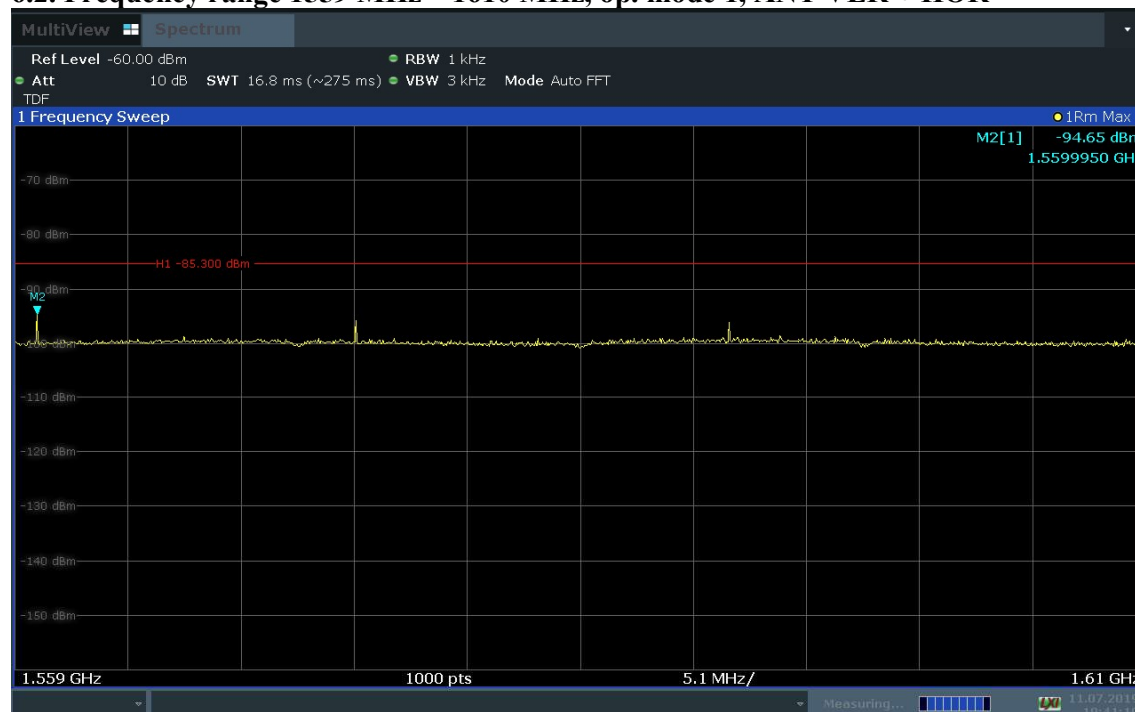
6. Radiated emissions in the GPS bands

6.1. Frequency range 1164 MHz – 1240 MHz, op. mode 1, ANT VER + HOR



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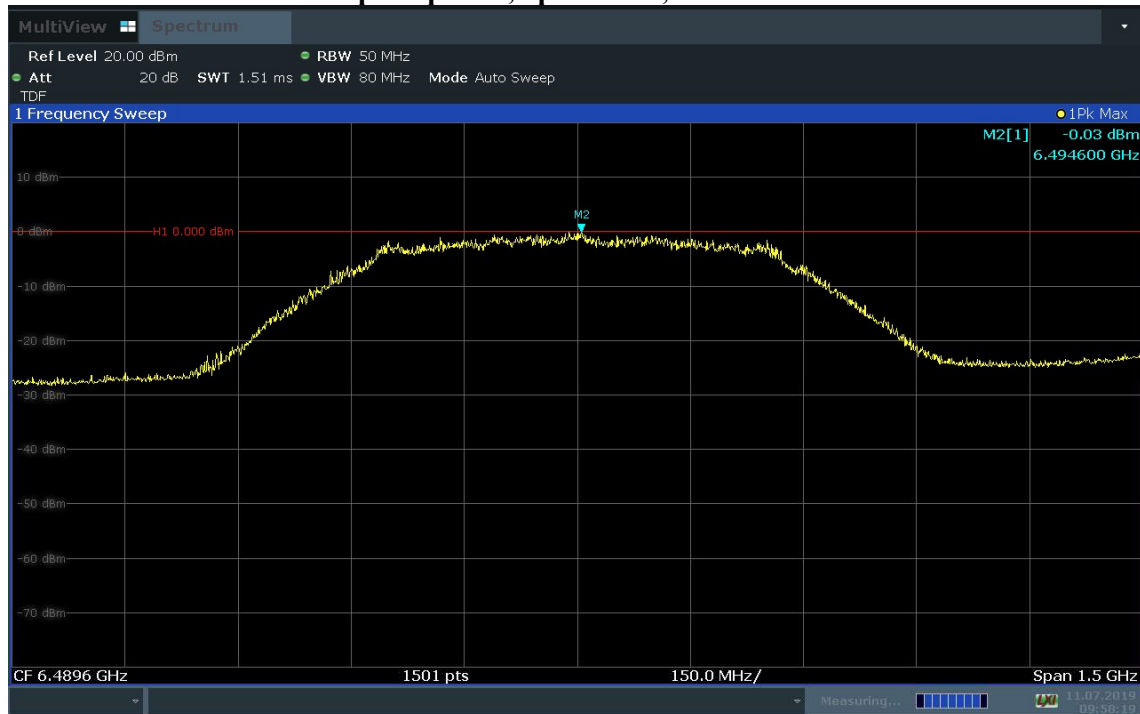
6.2. Frequency range 1559 MHz – 1610 MHz, op. mode 1, ANT VER + HOR



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7. Fundamental emission peak power

7.1. Fundamental emission peak power, op. mode 1, ANT HOR + VER



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