

Annex 1: Measurement diagrams to
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for

Veoneer US, Inc.

77V12CRN
77 GHz CRN Radar Sensor

FCC ID: WU877V12CRN
IC: 8436B-77V12CRN

Laboratory Accreditation



accredited according to DIN EN ISO/IEC 17025

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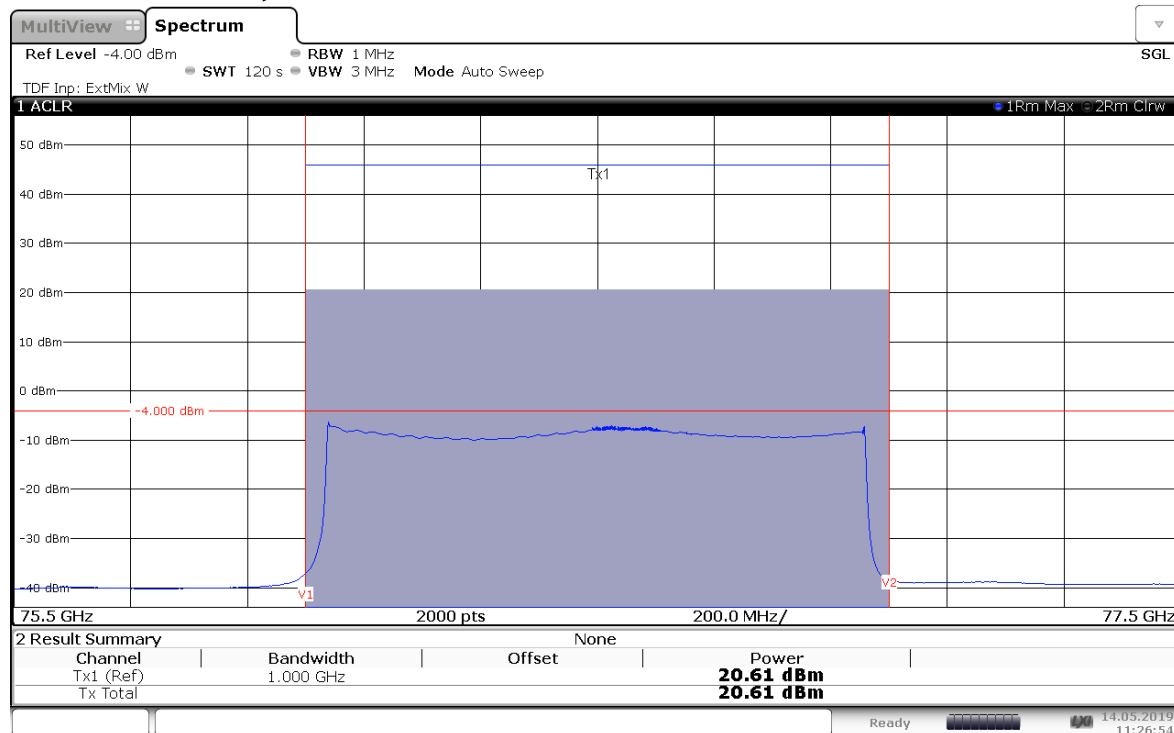
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1. The maximum peak power EIRP / peak EIRP spectral density. The maximum power EIRP/ average EIRP.

EUT A, Mode 1

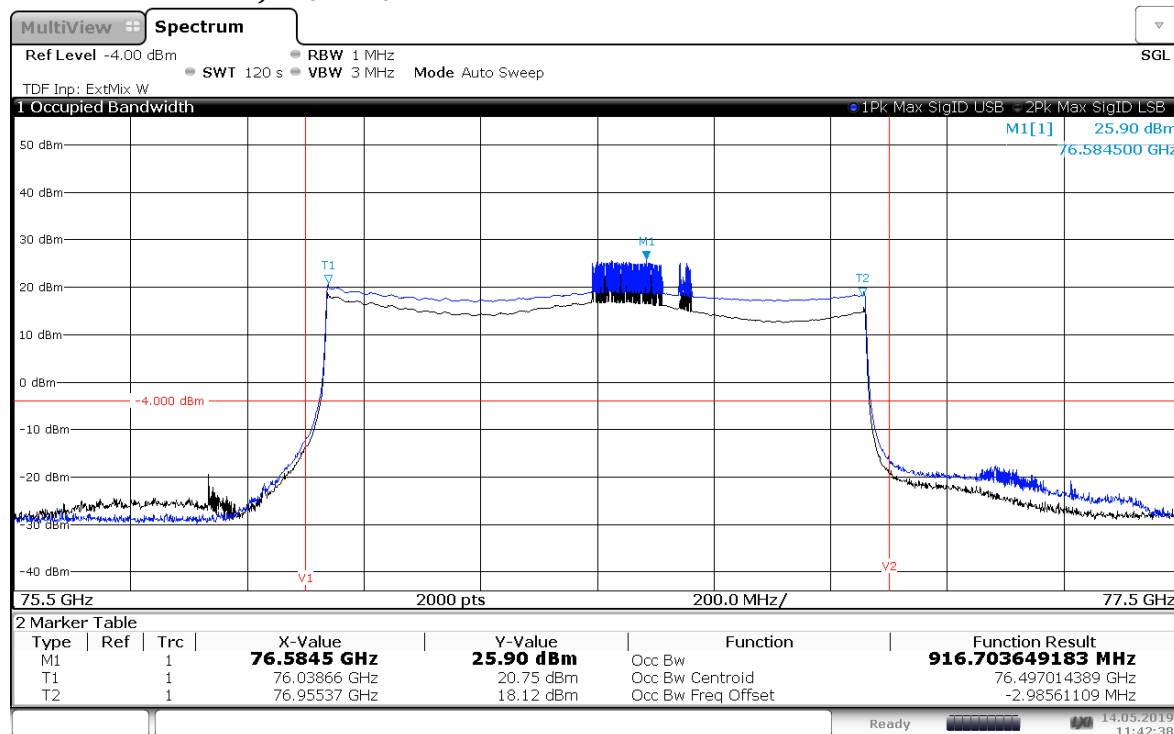
1.1. RMS Detector, T_{nom}/V_{nom}



11:26:55 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

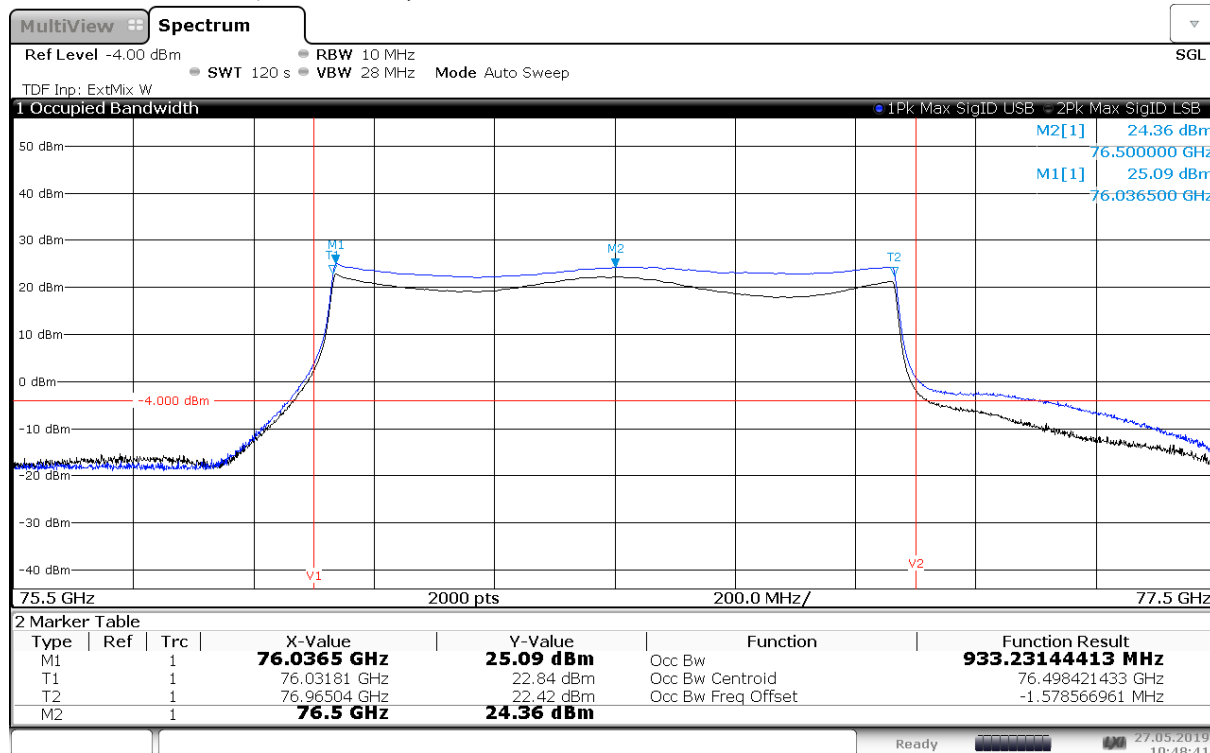
1.2. Peak Detector, T_{nom}/V_{nom}



11:42:39 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

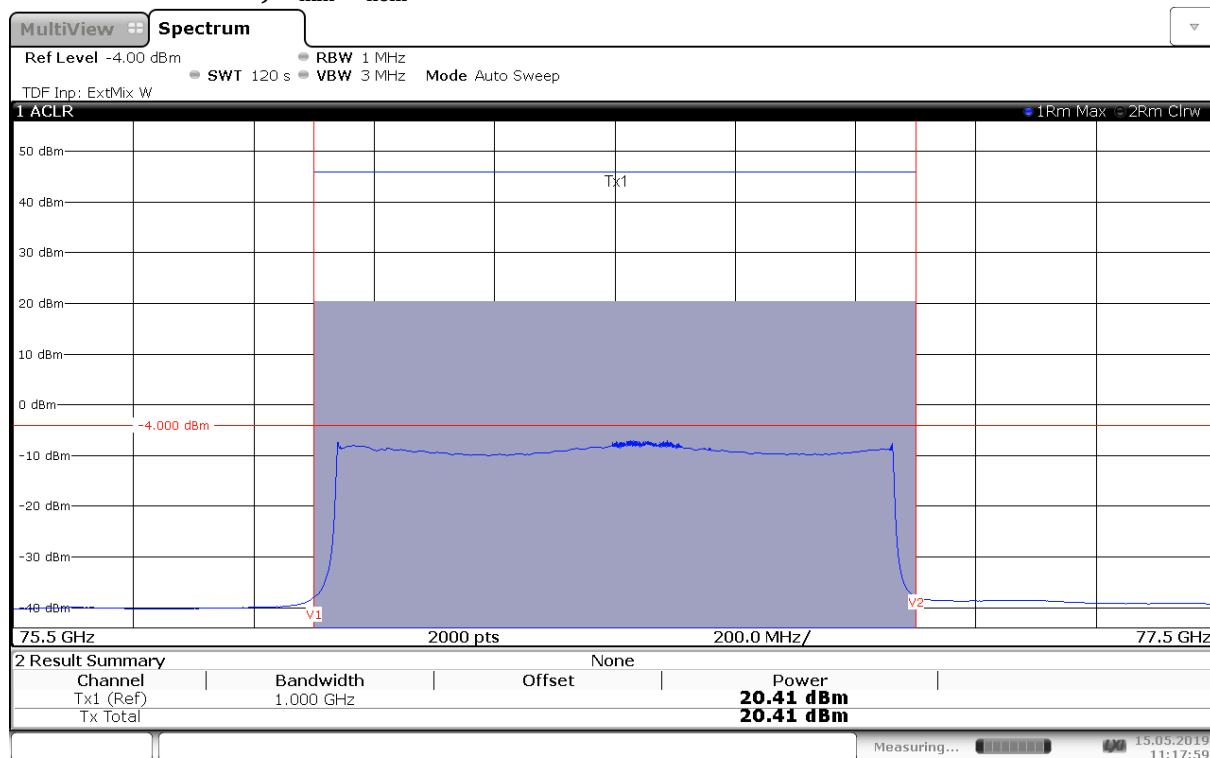
1.3. Peak Detector, T_{nom}/V_{nom} , RBW 10 MHz



10:48:42 27.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

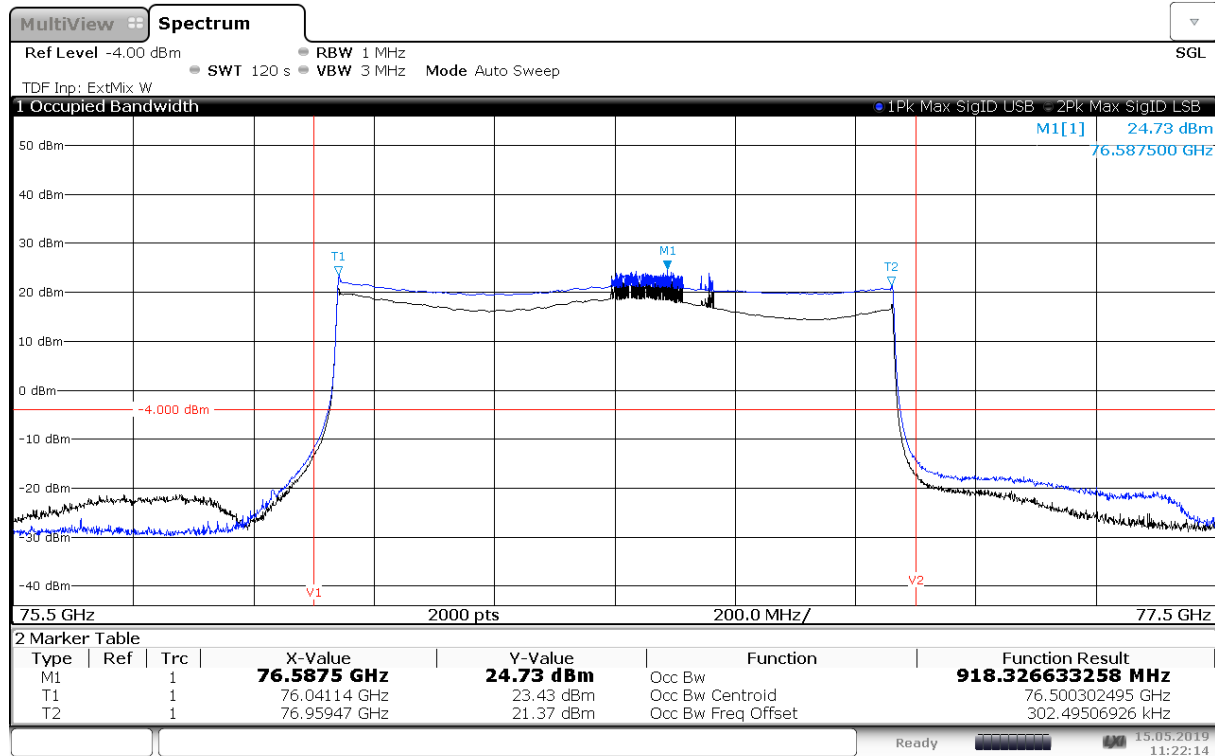
1.4. RMS Detector, T_{min}/V_{nom}



11:18:00 15.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

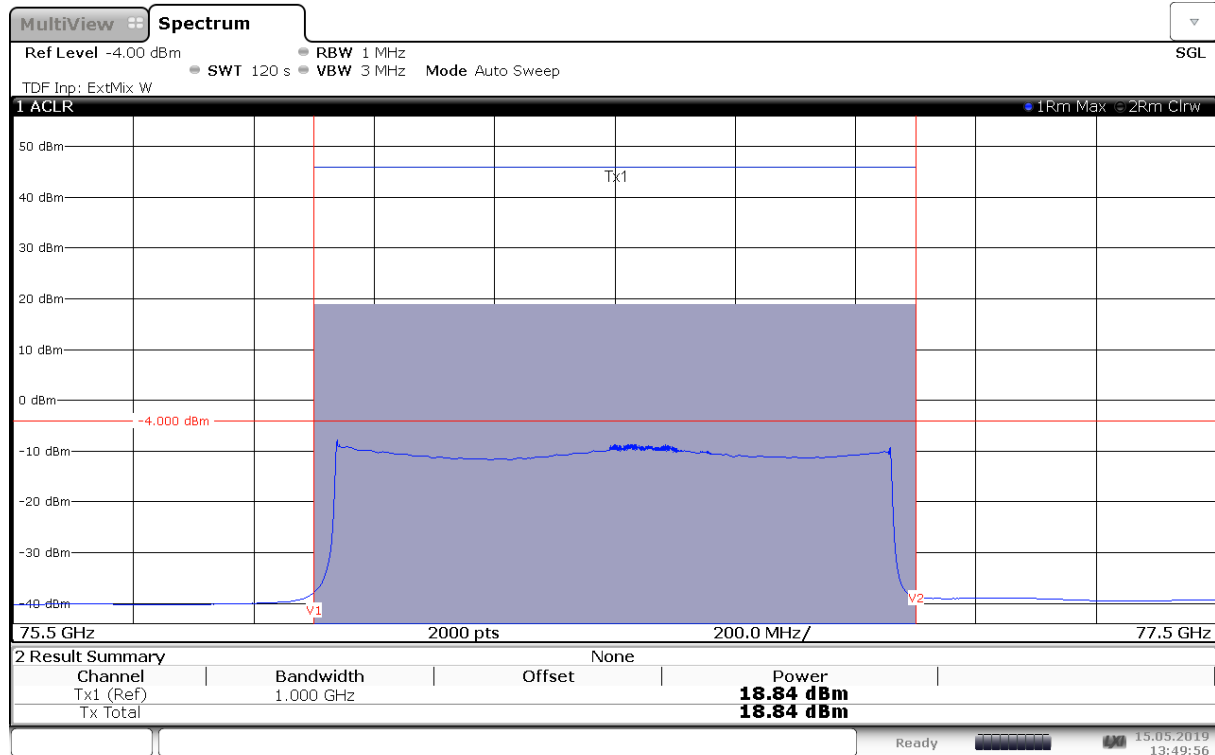
1.5. Peak Detector, T_{min}/V_{nom}



11:22:15 15.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

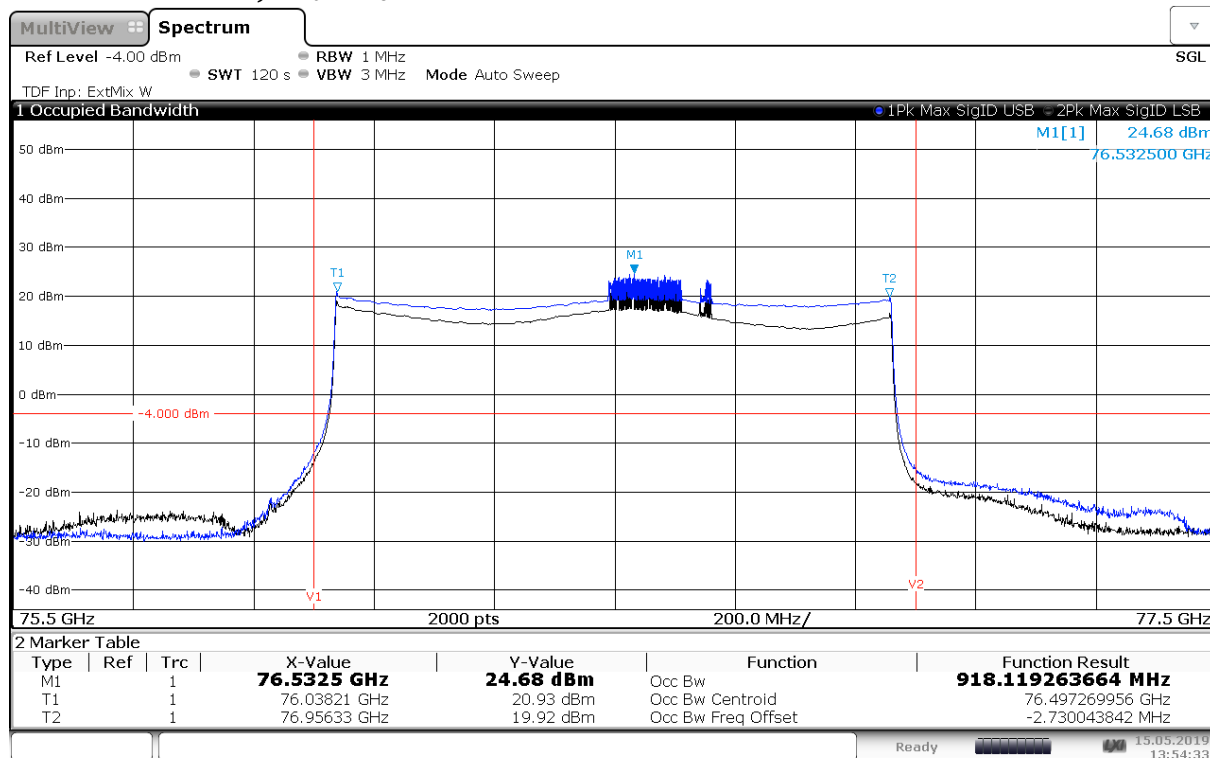
1.6. RMS Detector, T_{max}/V_{nom}



13:49:56 15.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.7. Peak Detector, $T_{\max}/V_{\text{nom}}$



13:54:34 15.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

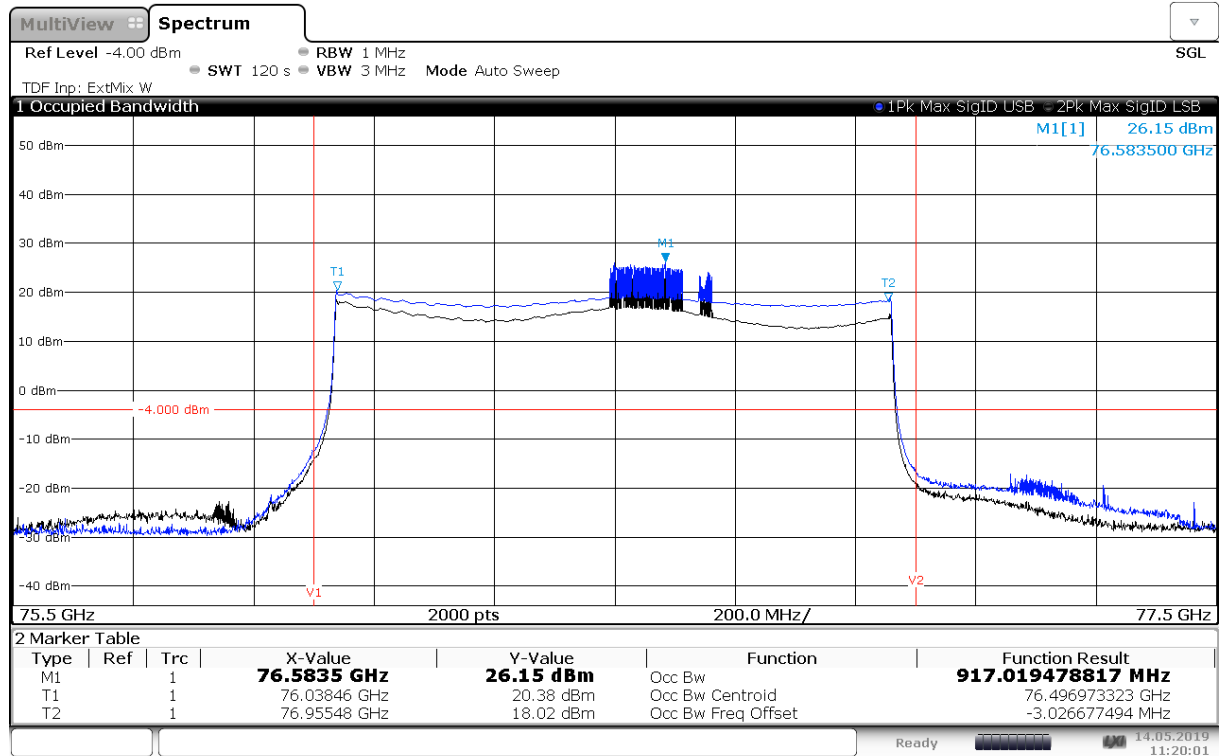
1.8. RMS Detector, $T_{\text{nom}}/V_{\text{min}}$



10:57:48 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

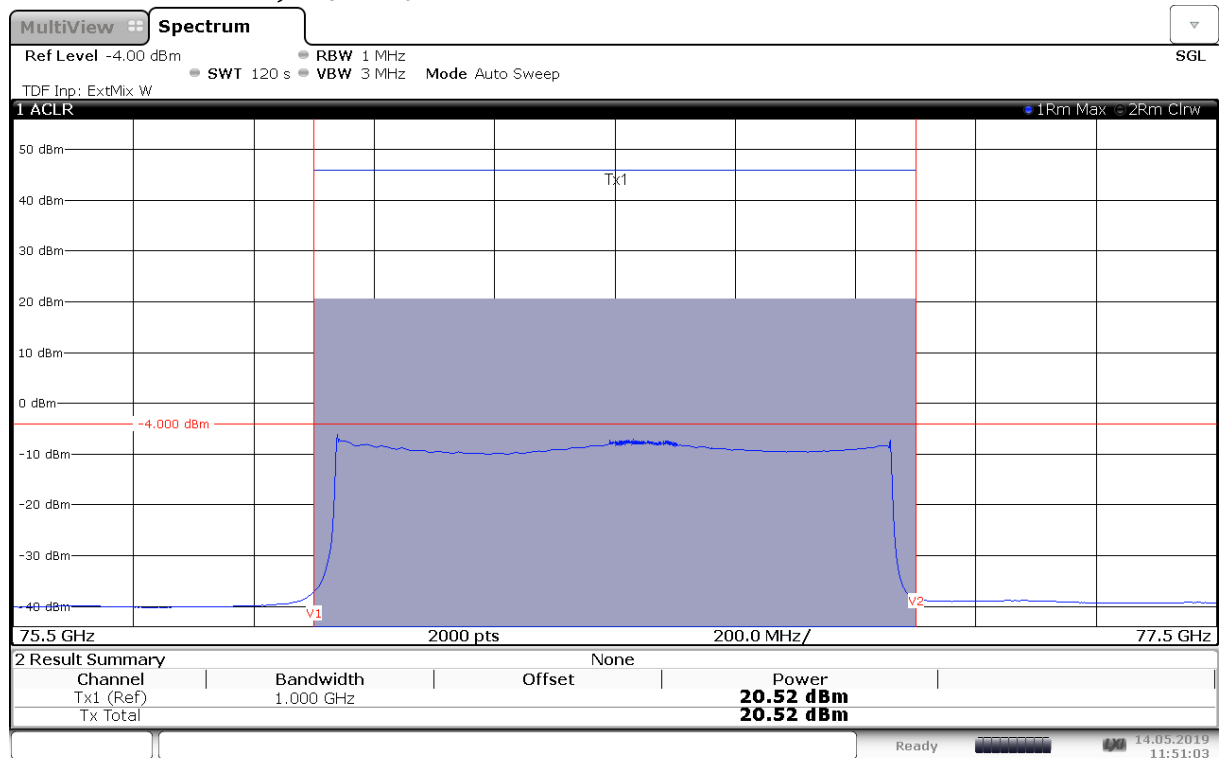
1.9. Peak Detector, $T_{\text{nom}}/V_{\text{min}}$



11:20:01 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

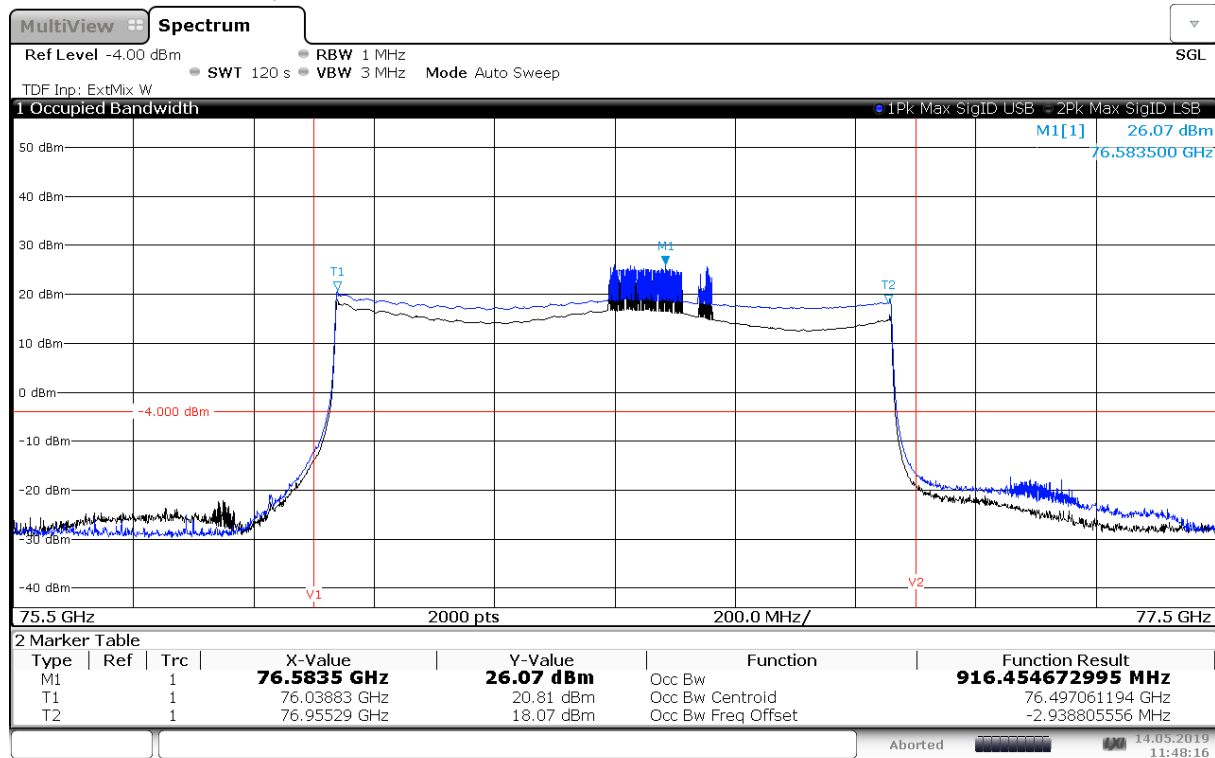
1.10. RMS Detector, $T_{\text{nom}}/V_{\text{max}}$



11:51:04 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.11. Peak Detector, T_{nom}/V_{max}

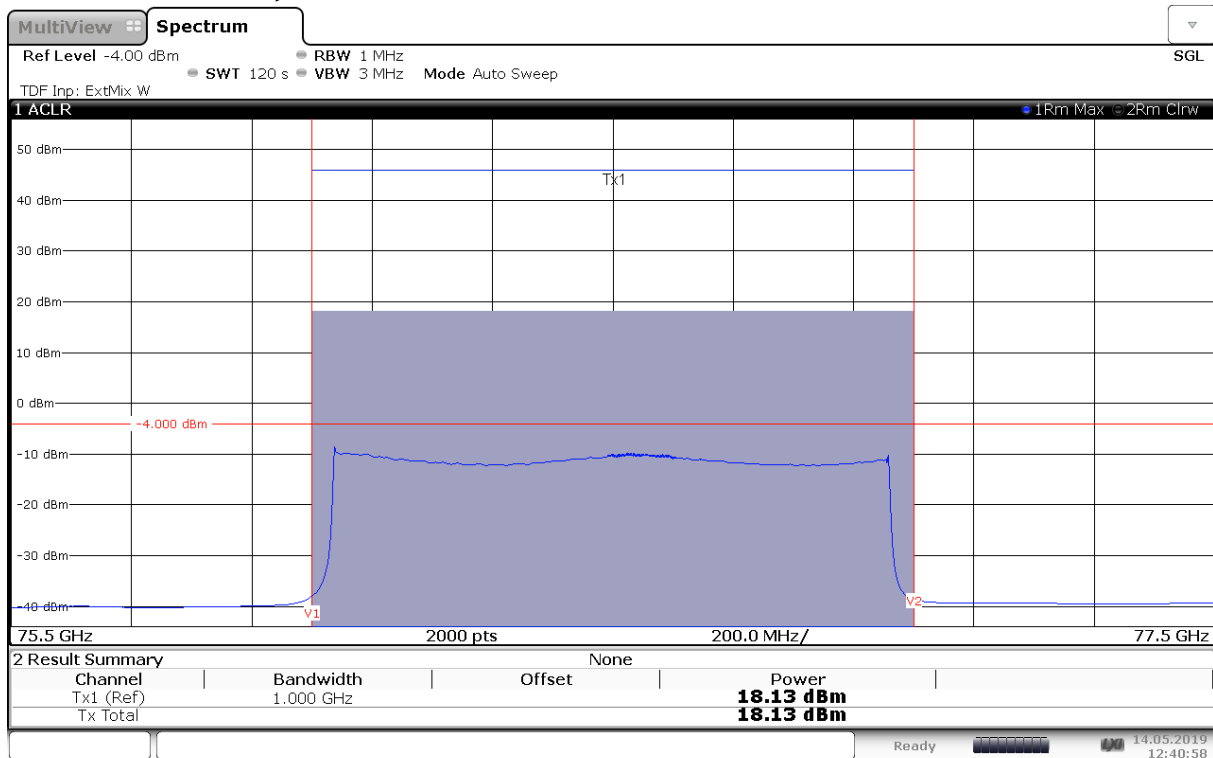


11:48:17 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

EUT B, Mode 1

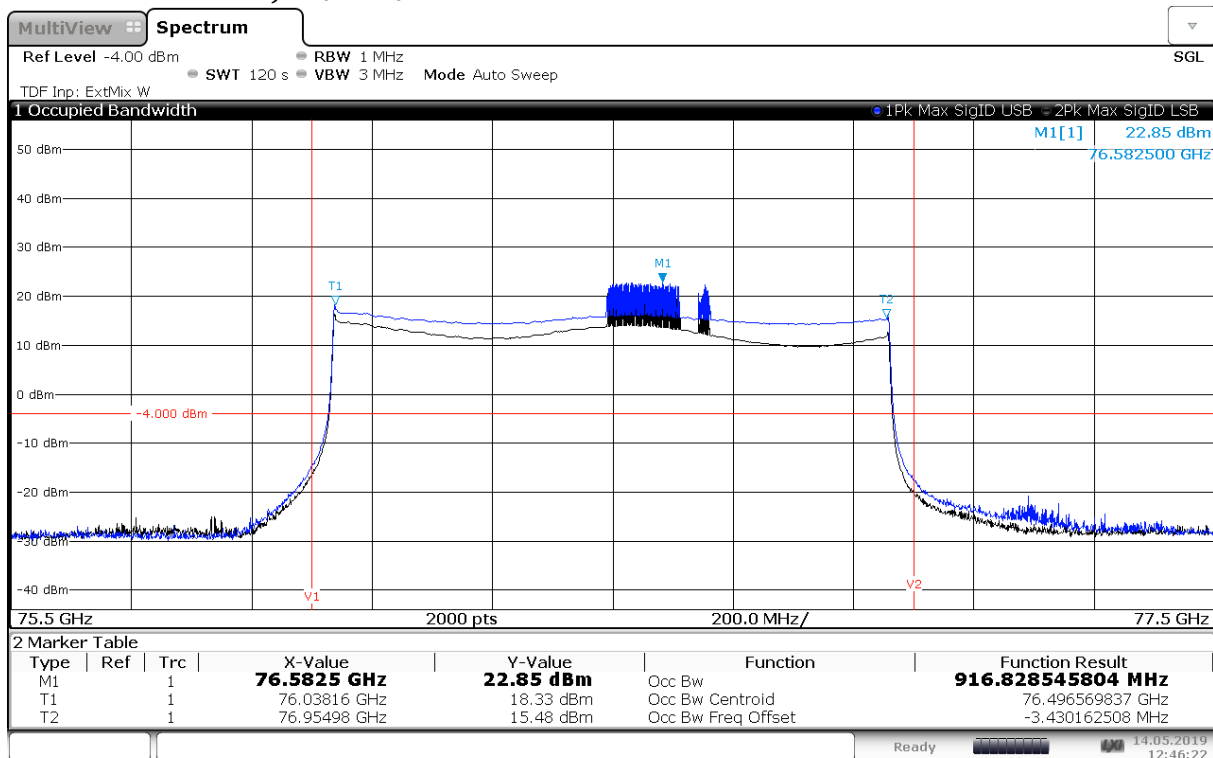
1.12. RMS Detector, T_{nom}/V_{nom}



12:40:58 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

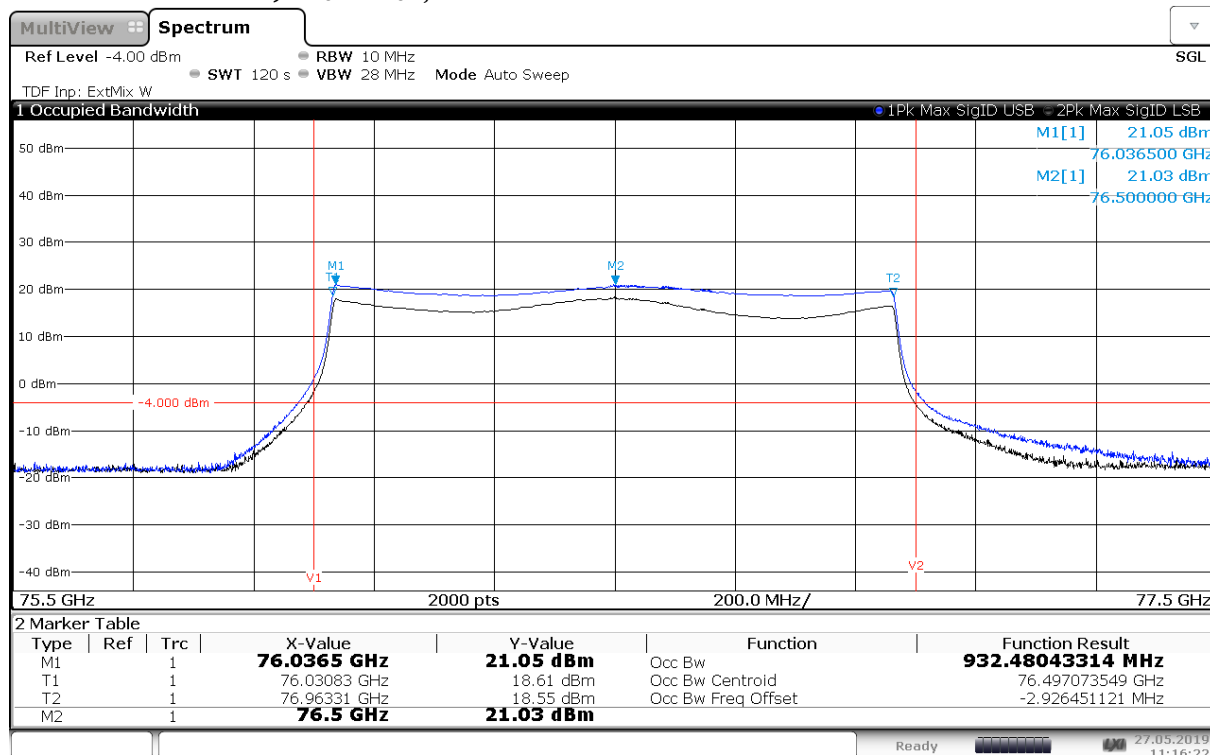
1.13. Peak Detector, T_{nom}/V_{nom}



12:46:23 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

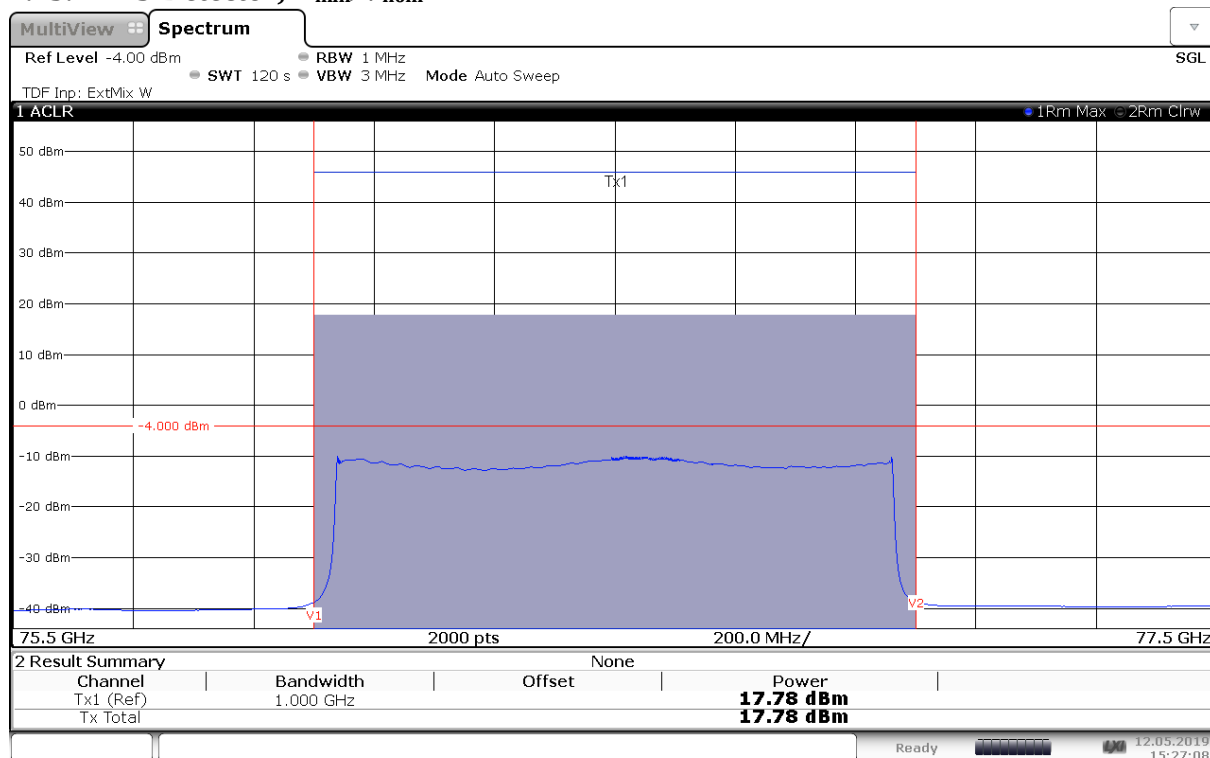
1.14. Peak Detector, T_{nom}/V_{nom} , RBW 10 MHz



11:16:23 27.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

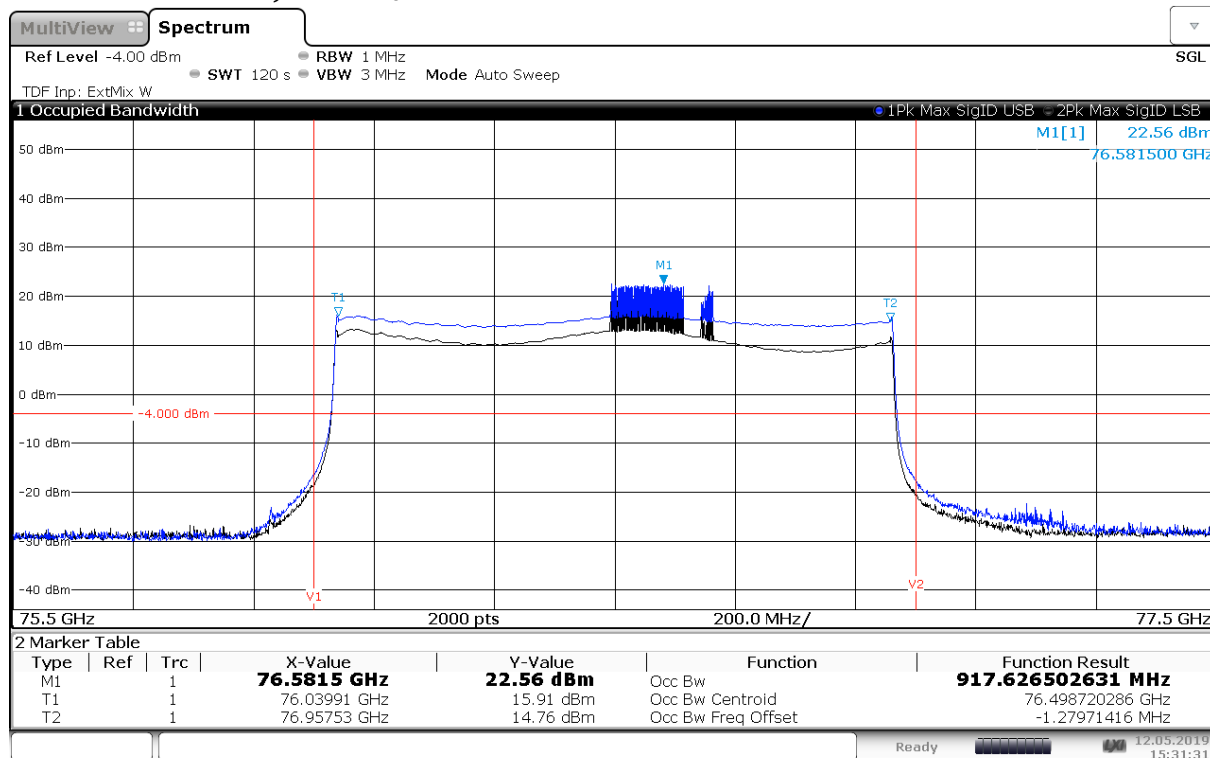
1.15. RMS Detector, T_{min}/V_{nom}



15:27:08 12.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

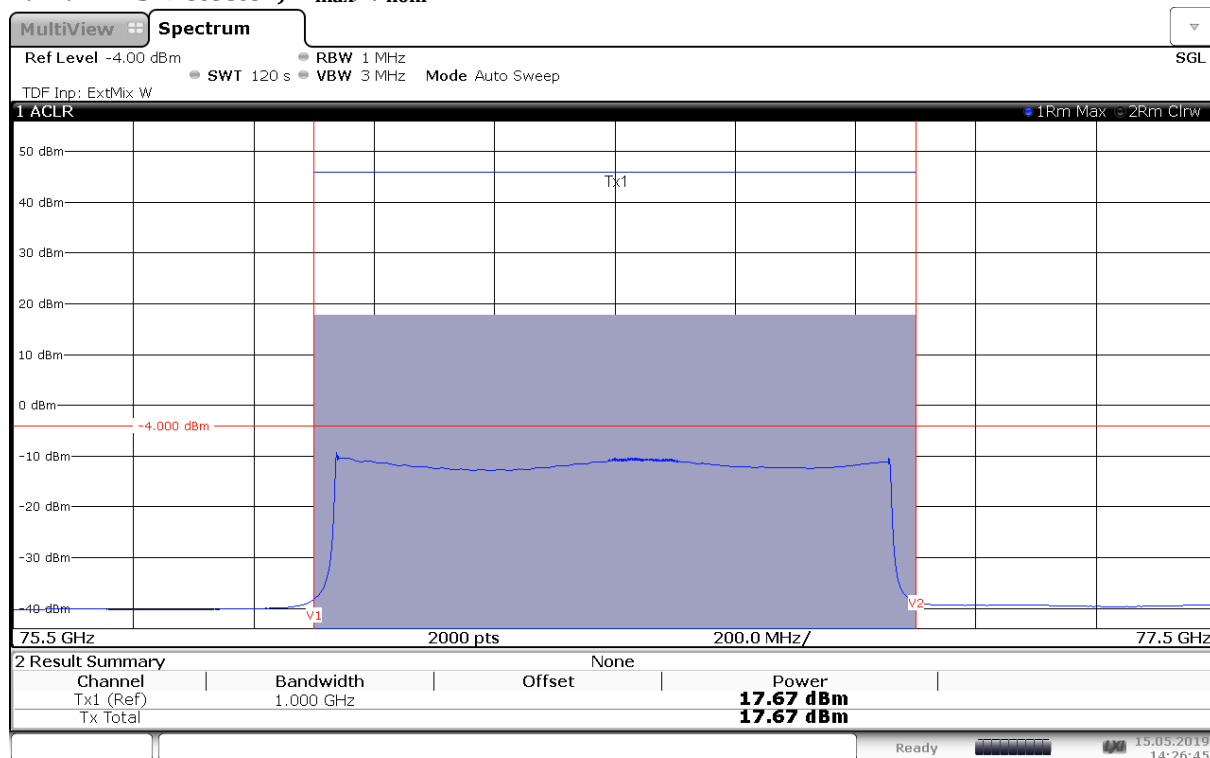
1.16. Peak Detector, T_{min}/V_{nom}



15:31:31 12.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

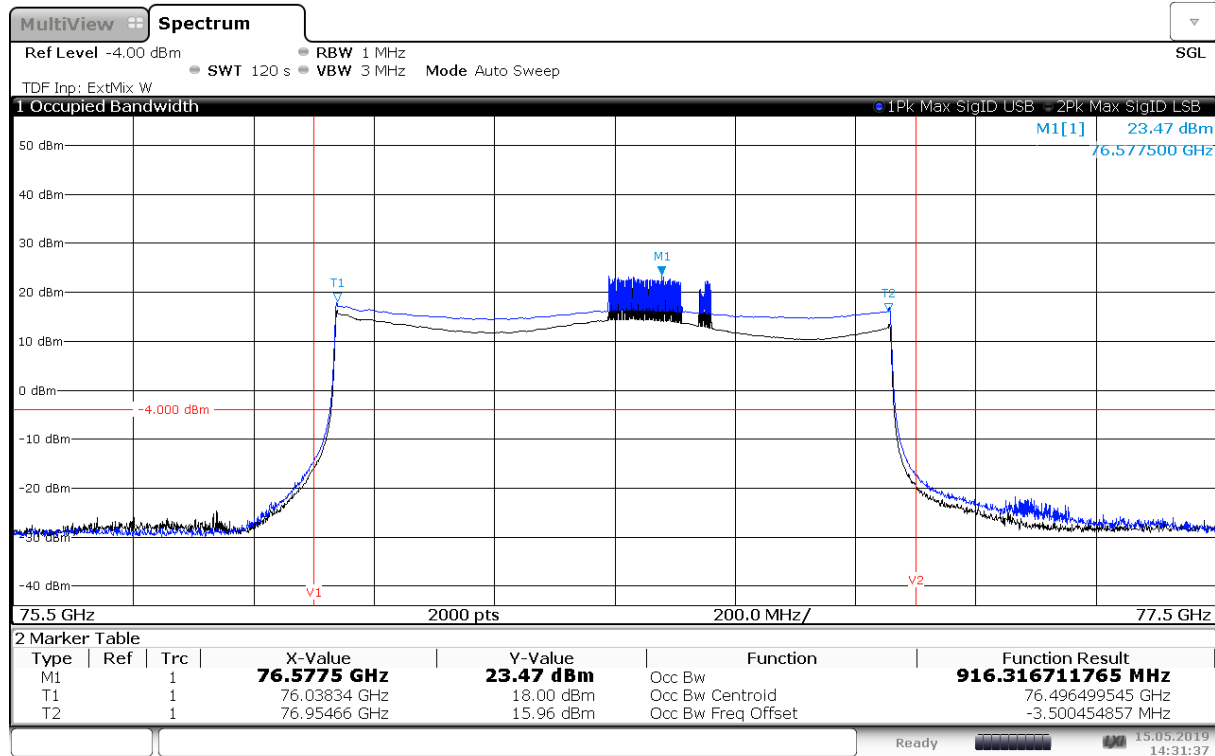
1.17. RMS Detector, T_{max}/V_{nom}



14:26:45 15.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

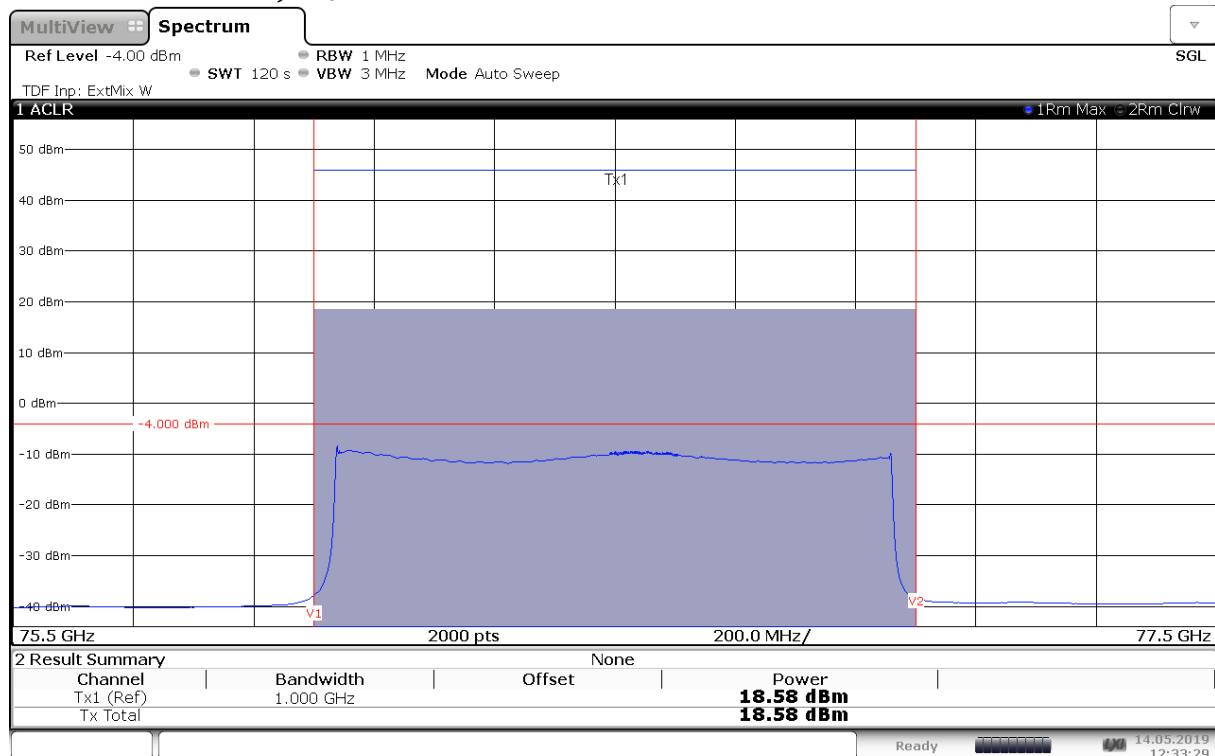
1.18. Peak Detector, $T_{\max}/V_{\text{nom}}$



14:31:38 15.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

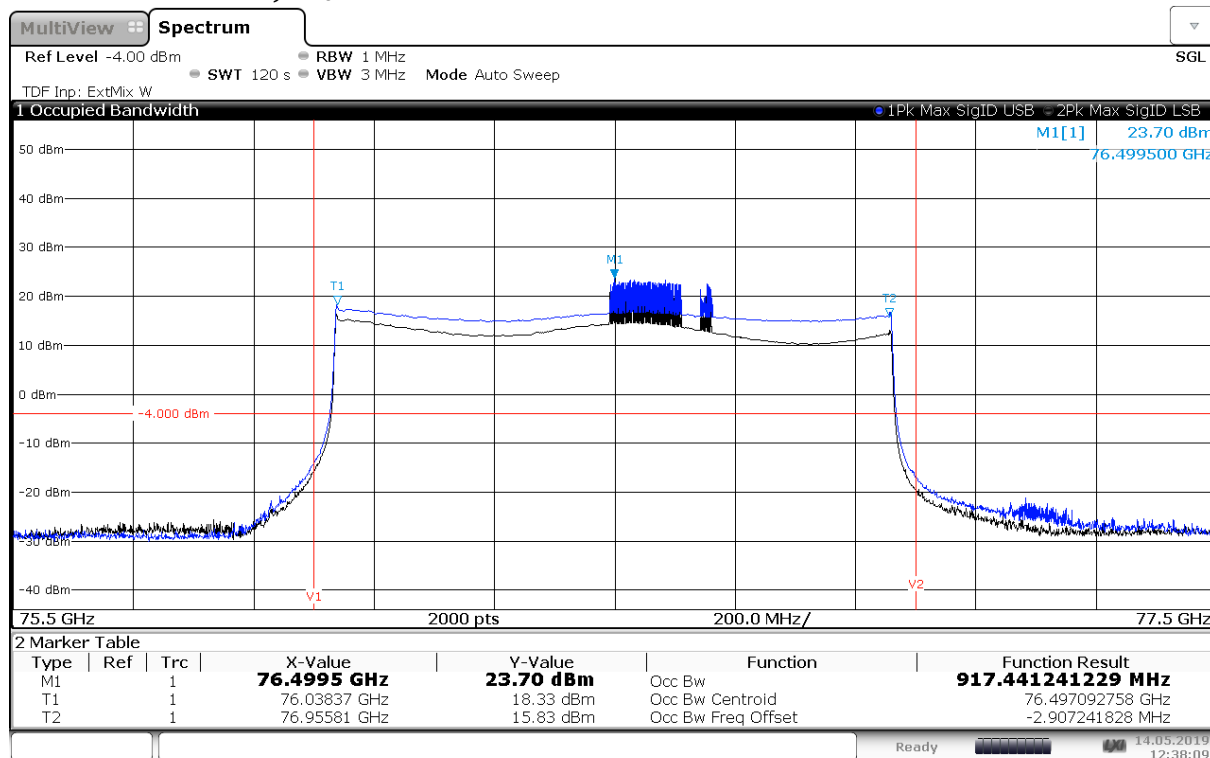
1.19. RMS Detector, $T_{\text{nom}}/V_{\text{min}}$



12:33:29 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

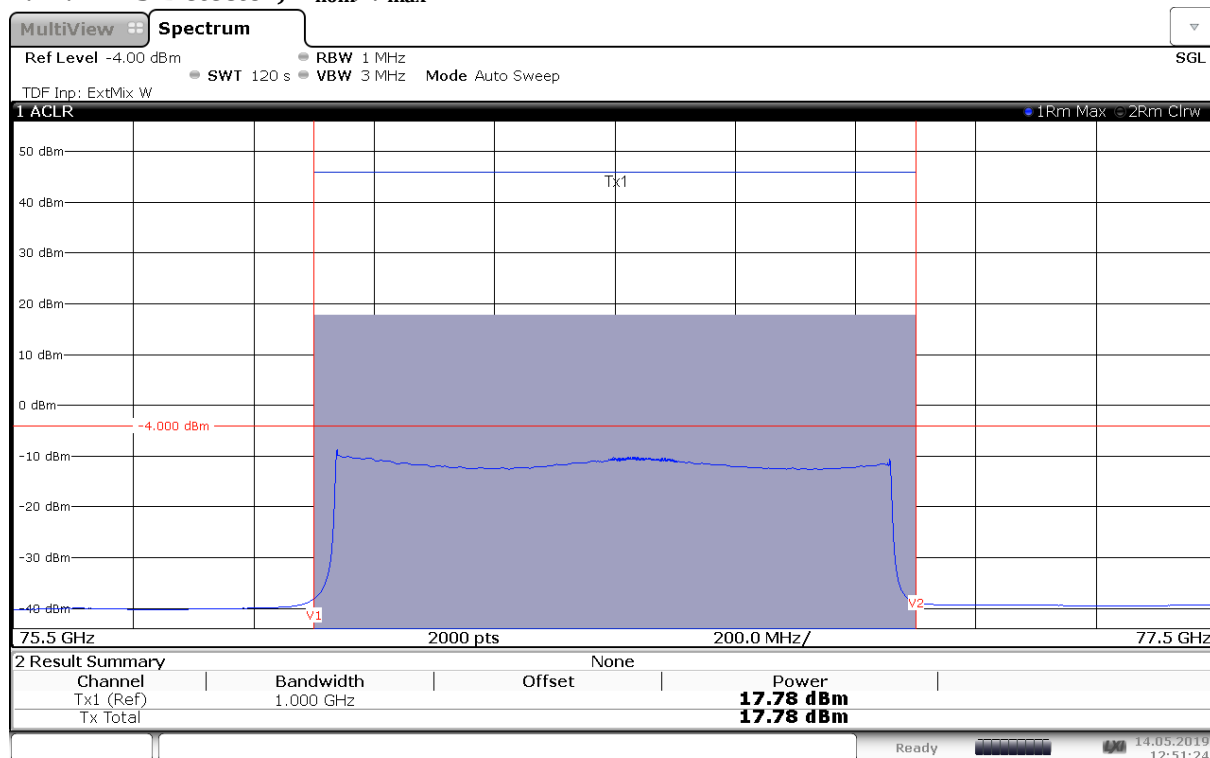
1.20. Peak Detector, T_{nom}/V_{min}



12:38:10 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

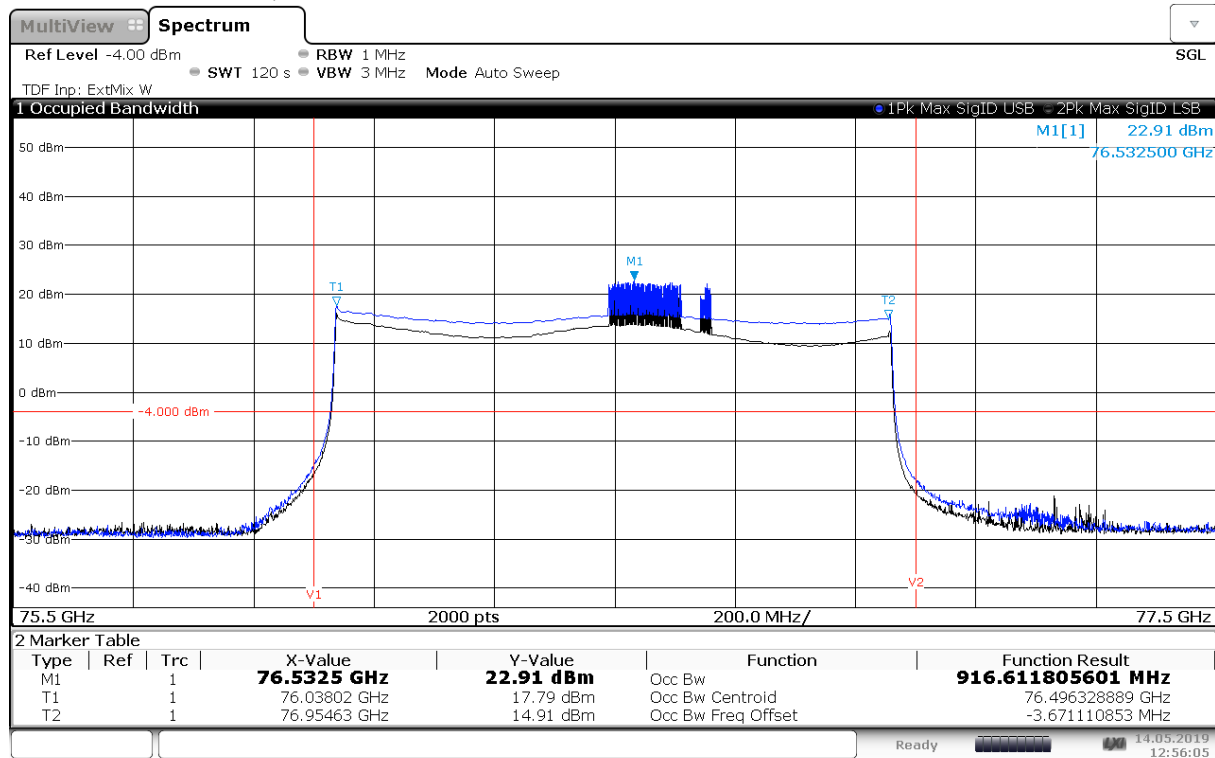
1.21. RMS Detector, T_{nom}/V_{max}



12:51:25 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.22. Peak Detector, T_{nom}/V_{max}

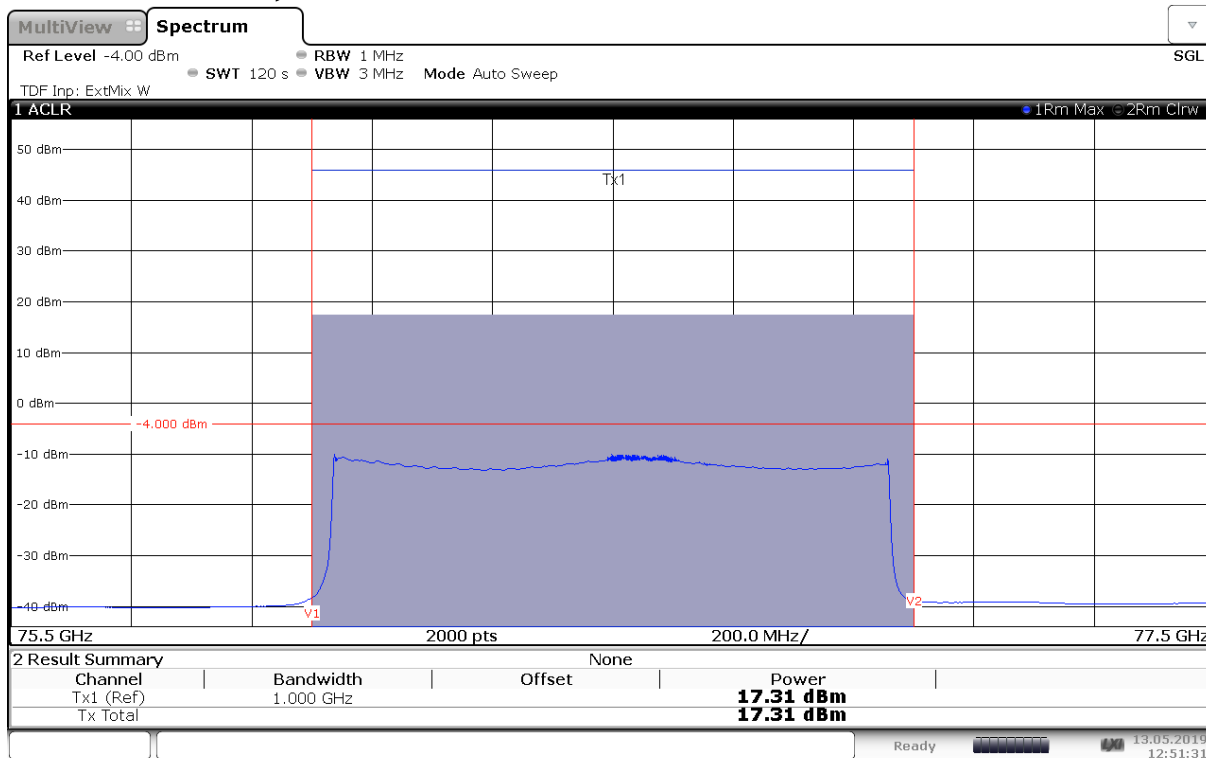


12:56:06 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

EUT C, Mode 1

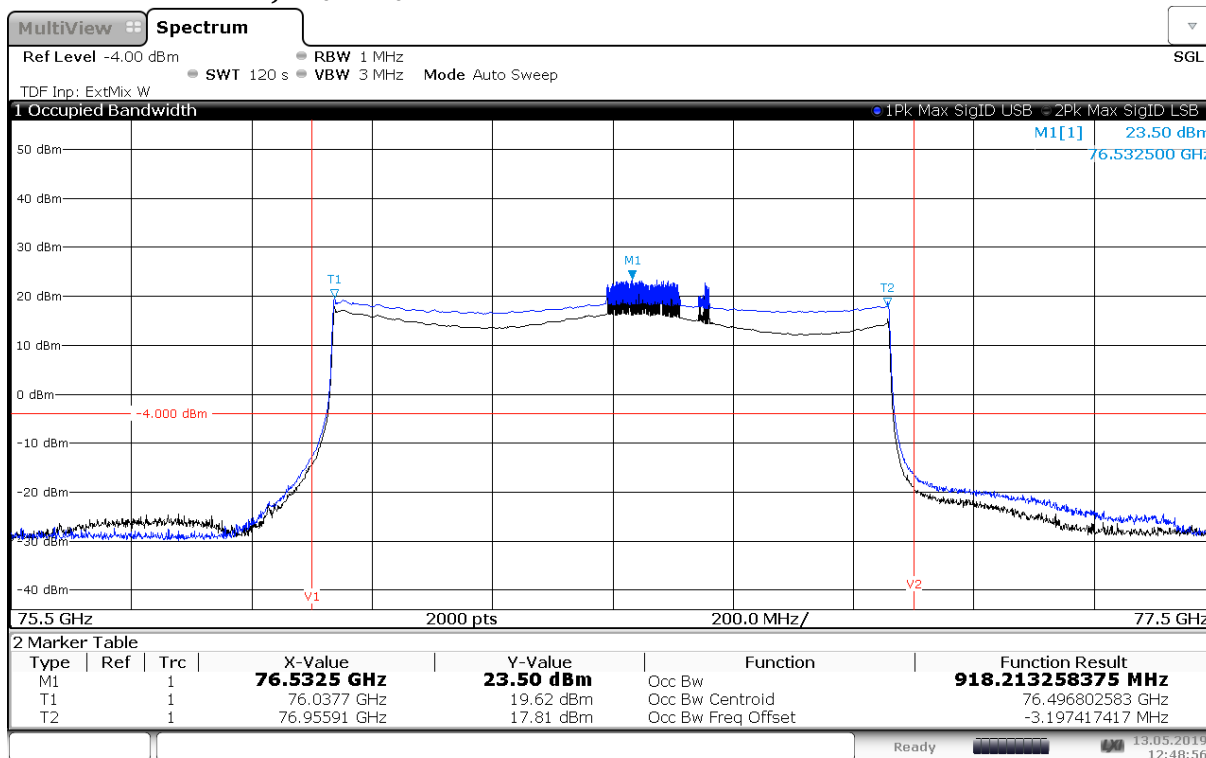
1.23. RMS Detector, T_{nom}/V_{nom}



12:51:31 13.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

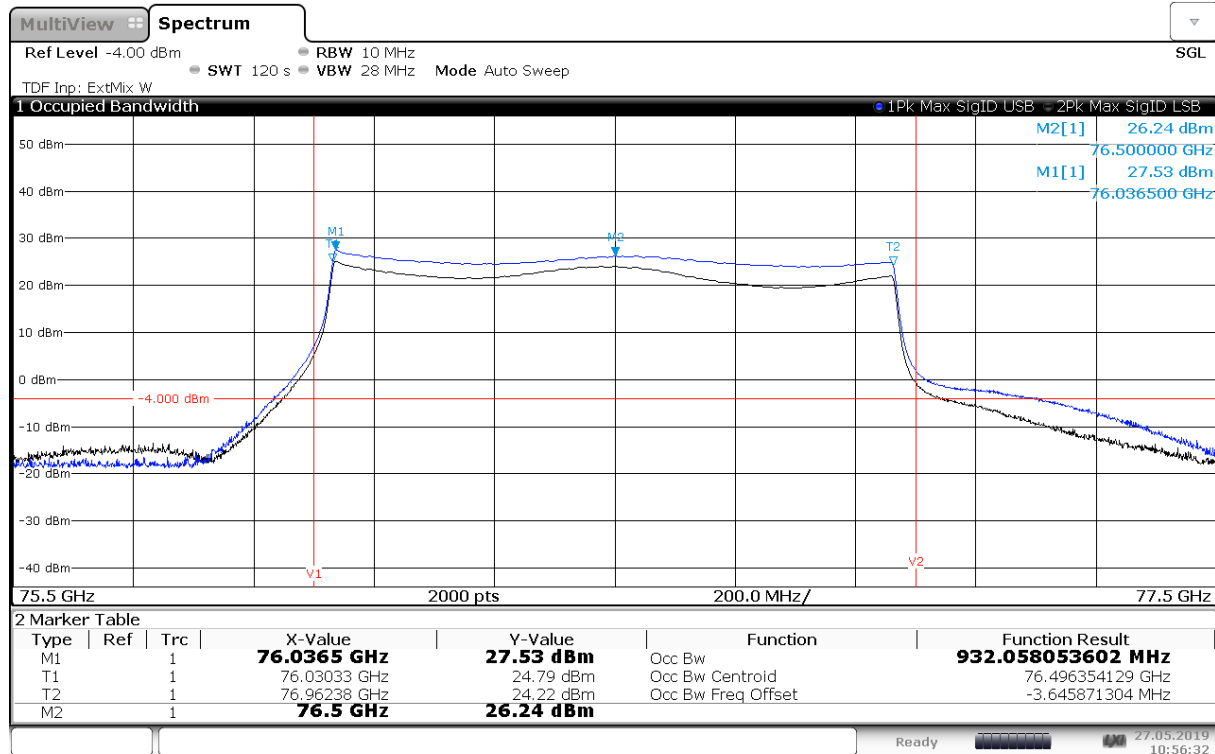
1.24. Peak Detector, T_{nom}/V_{nom}



12:48:56 13.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

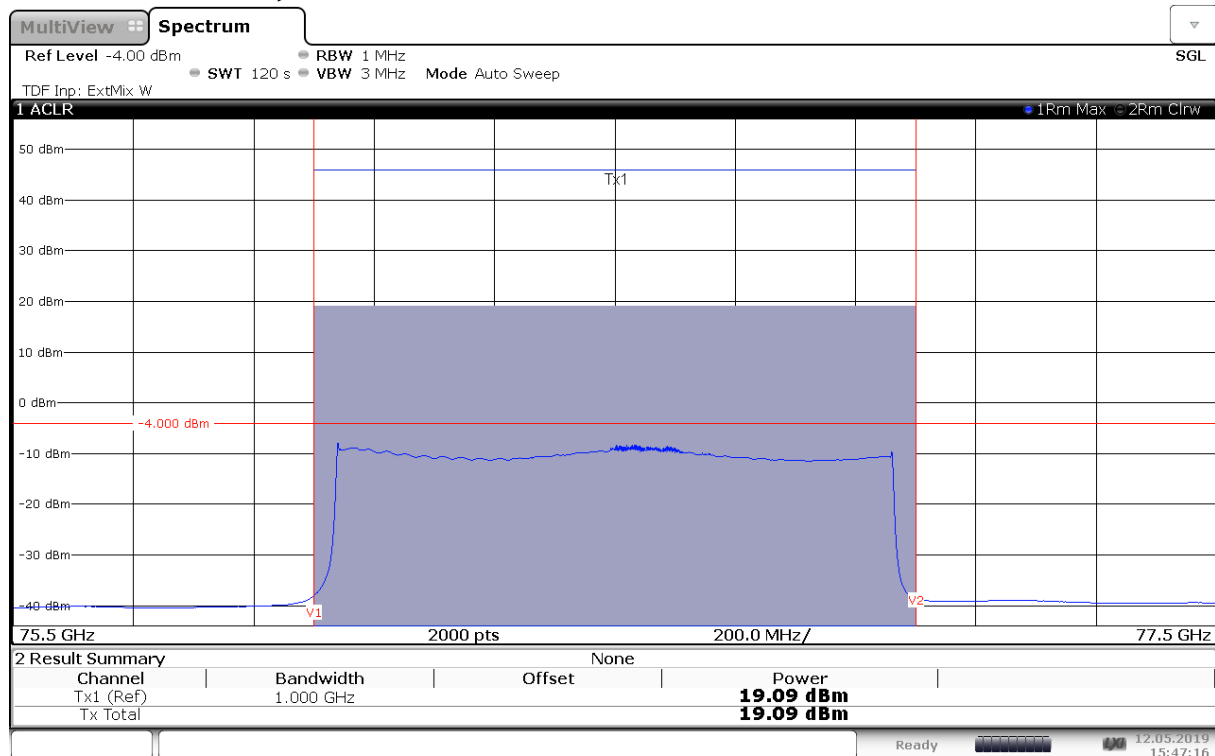
1.25. Peak Detector, T_{nom}/V_{nom} , RBW 10 MHz



10:56:32 27.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

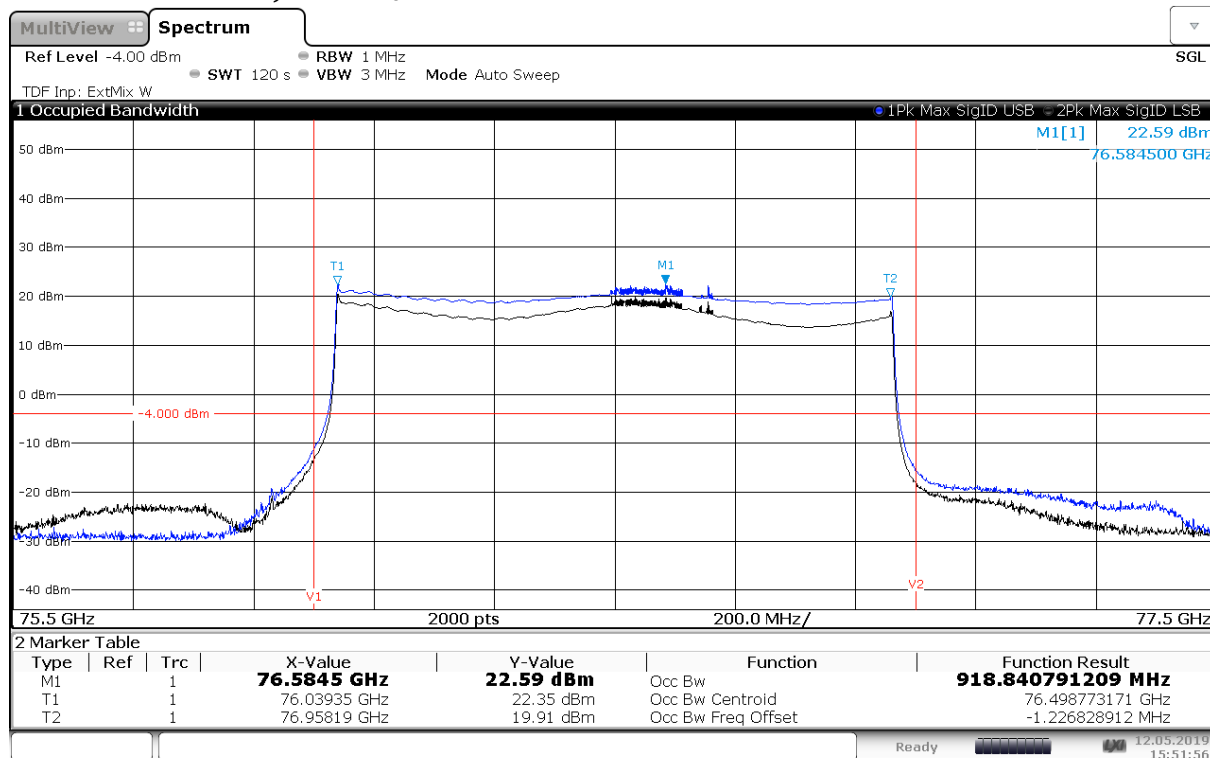
1.26. RMS Detector, T_{min}/V_{nom}



15:47:16 12.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

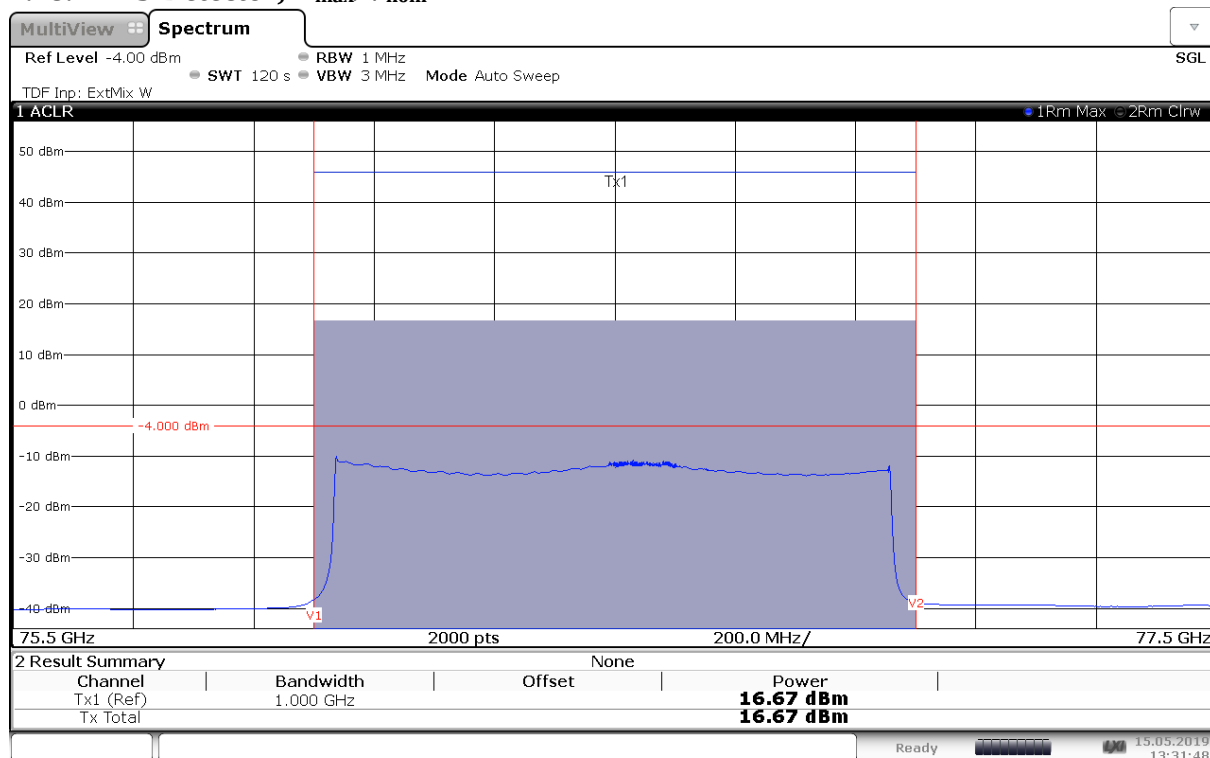
1.27. Peak Detector, T_{min}/V_{nom}



15:51:57 12.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

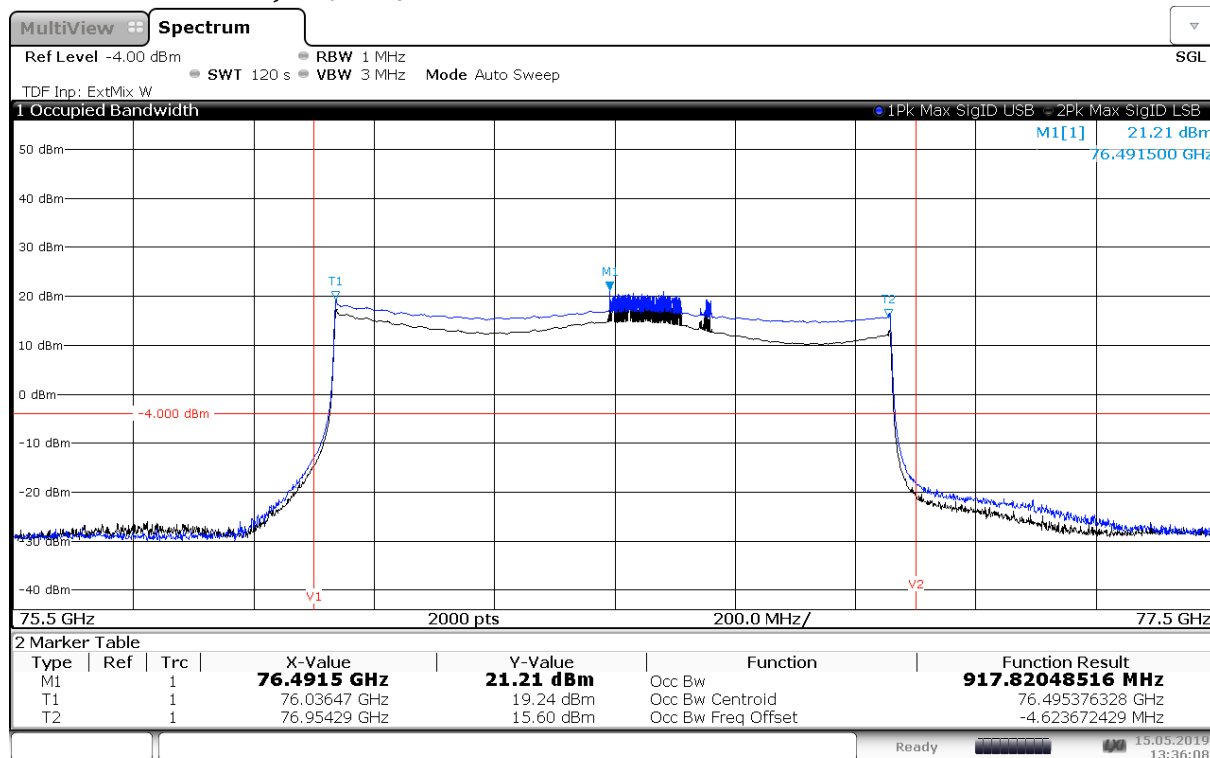
1.28. RMS Detector, T_{max}/V_{nom}



13:31:48 15.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

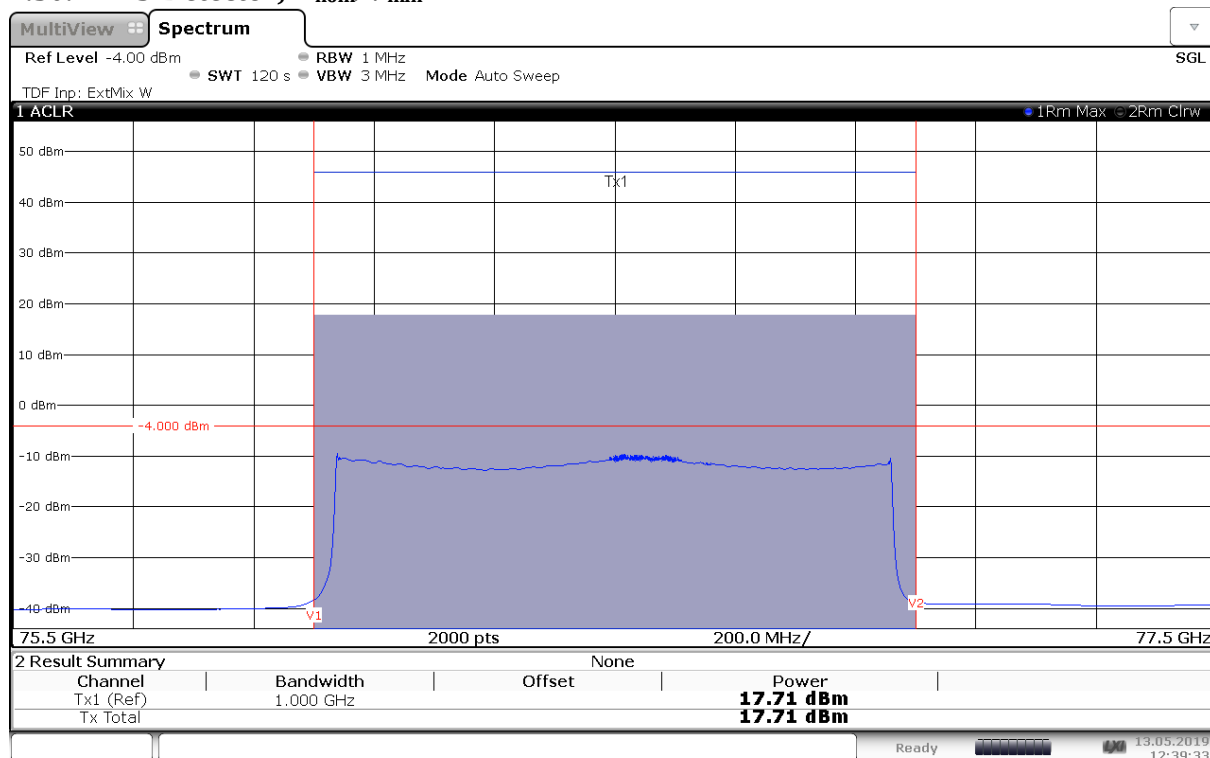
1.29. Peak Detector, $T_{\max}/V_{\text{nom}}$



13:36:08 15.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

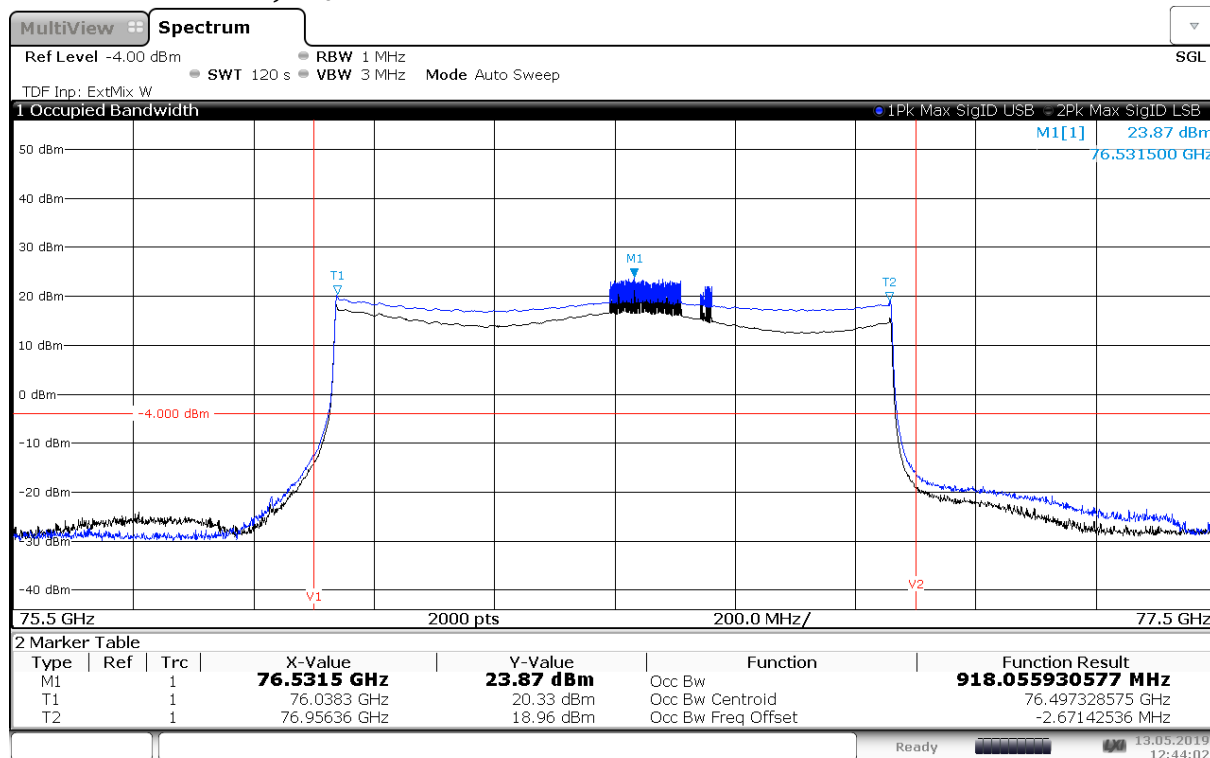
1.30. RMS Detector, $T_{\text{nom}}/V_{\text{min}}$



12:39:33 13.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

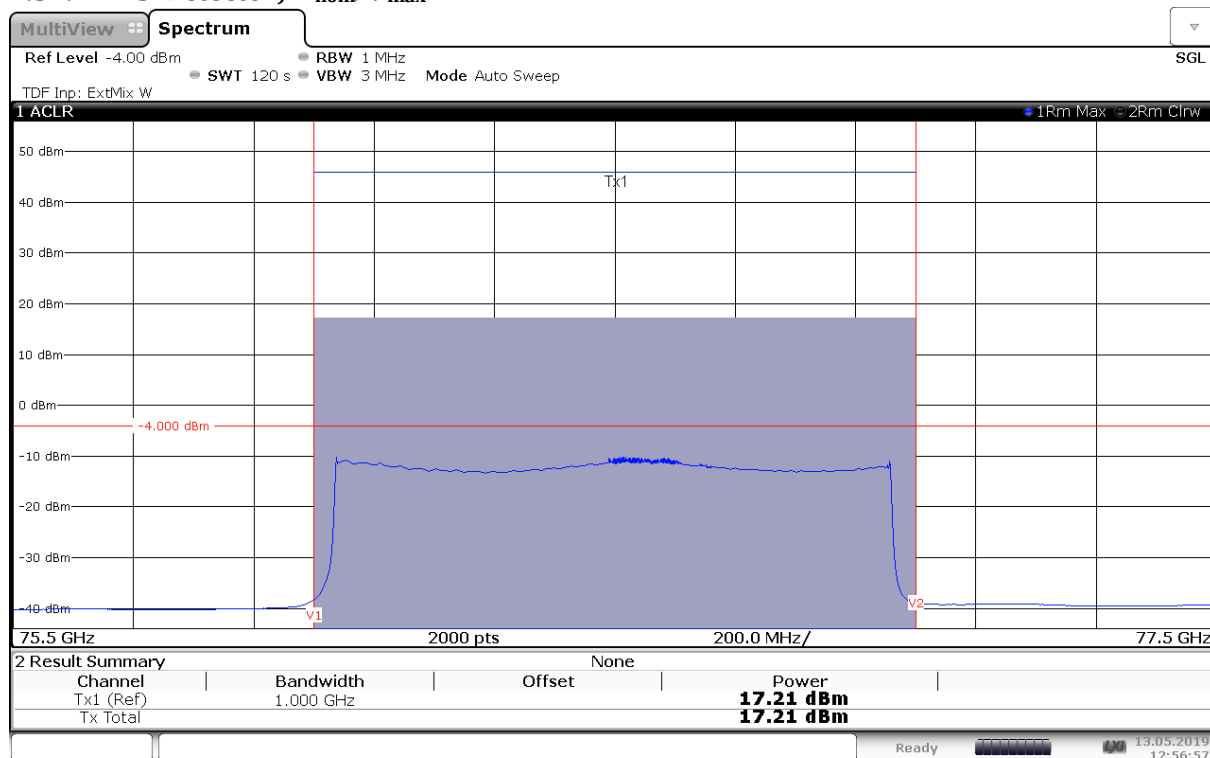
1.31. Peak Detector, T_{nom}/V_{min}



12:44:02 13.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

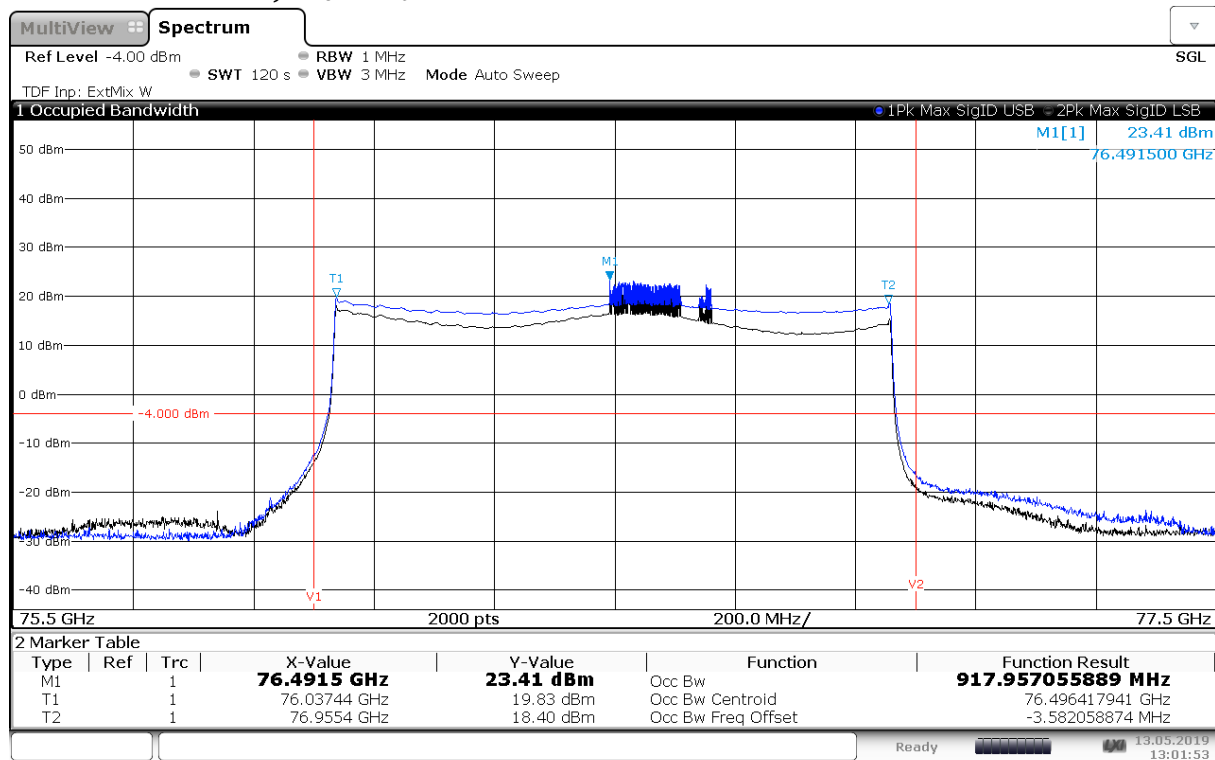
1.32. RMS Detector, T_{nom}/V_{max}



12:56:58 13.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.33. Peak Detector, T_{nom}/V_{max}

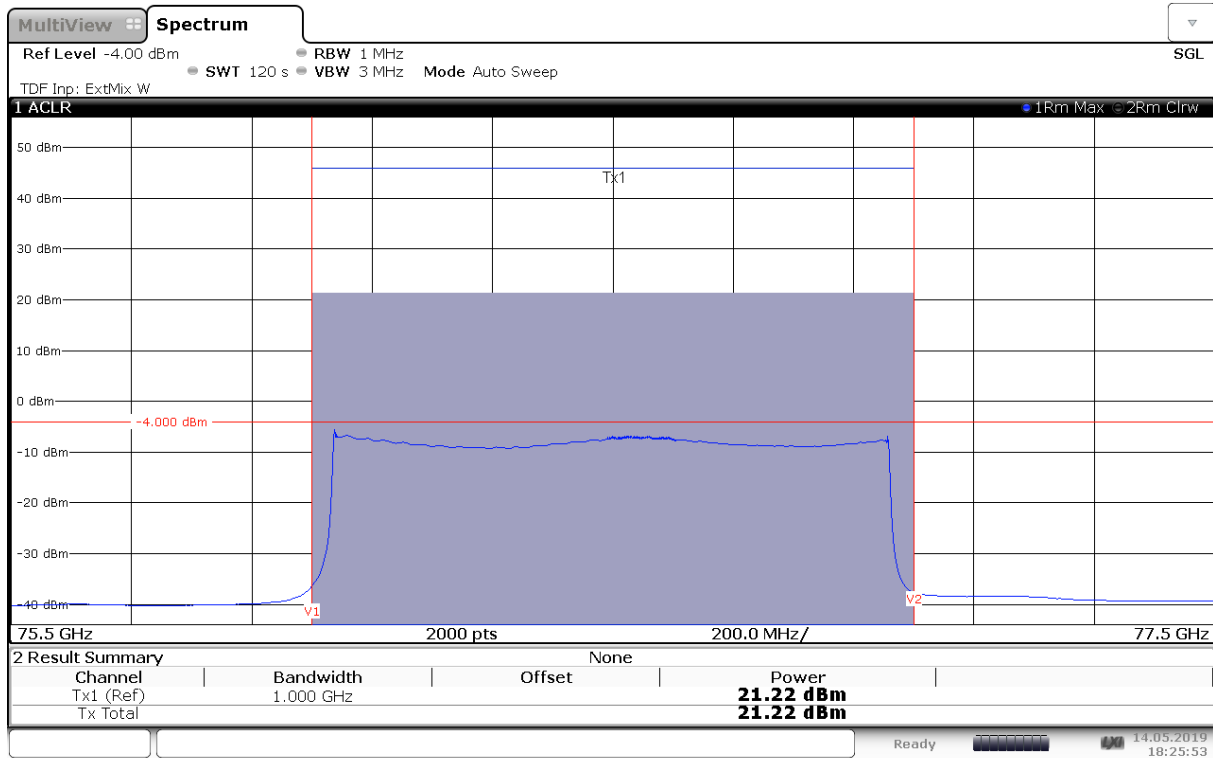


13:01:53 13.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

EUT D, Mode 1

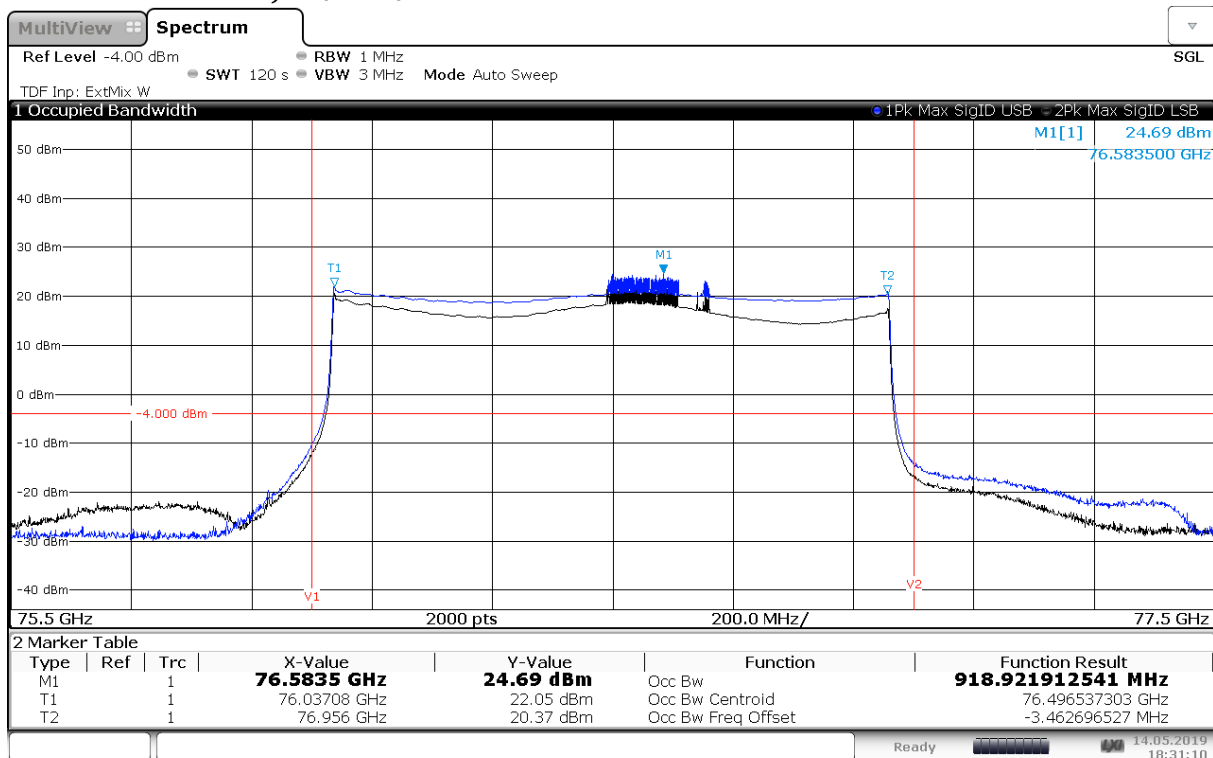
1.34. RMS Detector, T_{nom}/V_{nom}



18:25:54 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

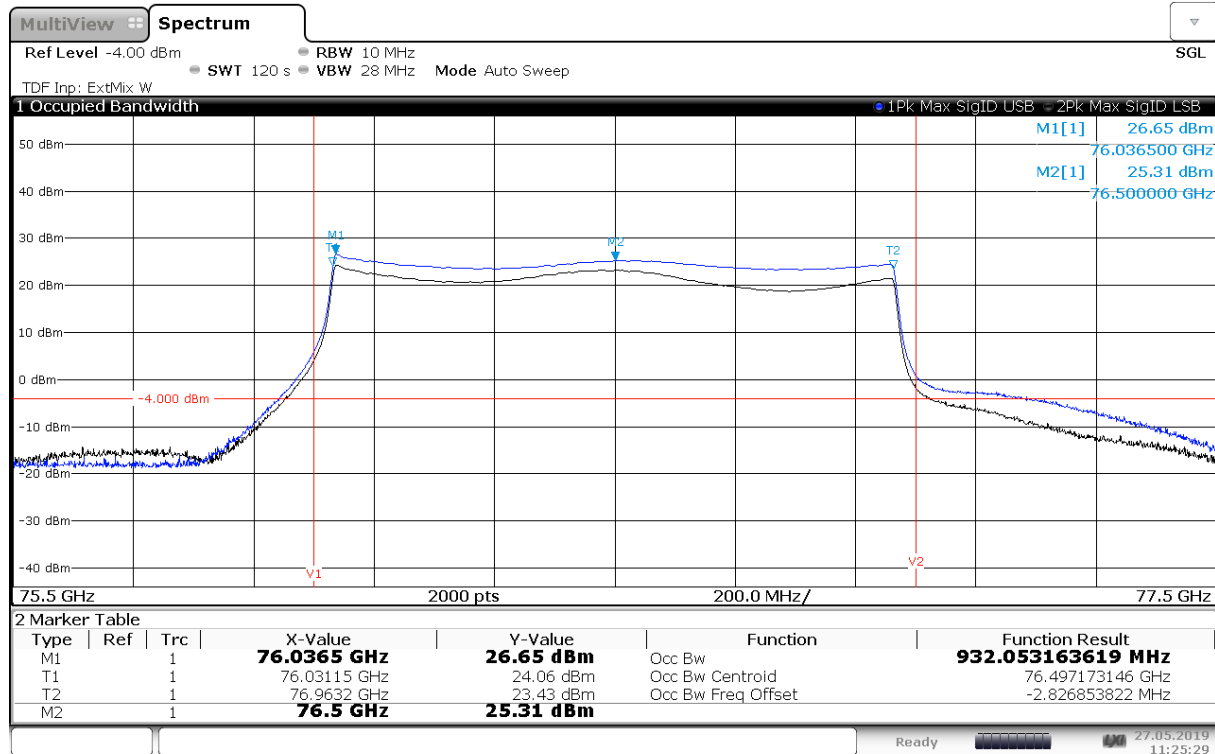
1.35. Peak Detector, T_{nom}/V_{nom}



18:31:11 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

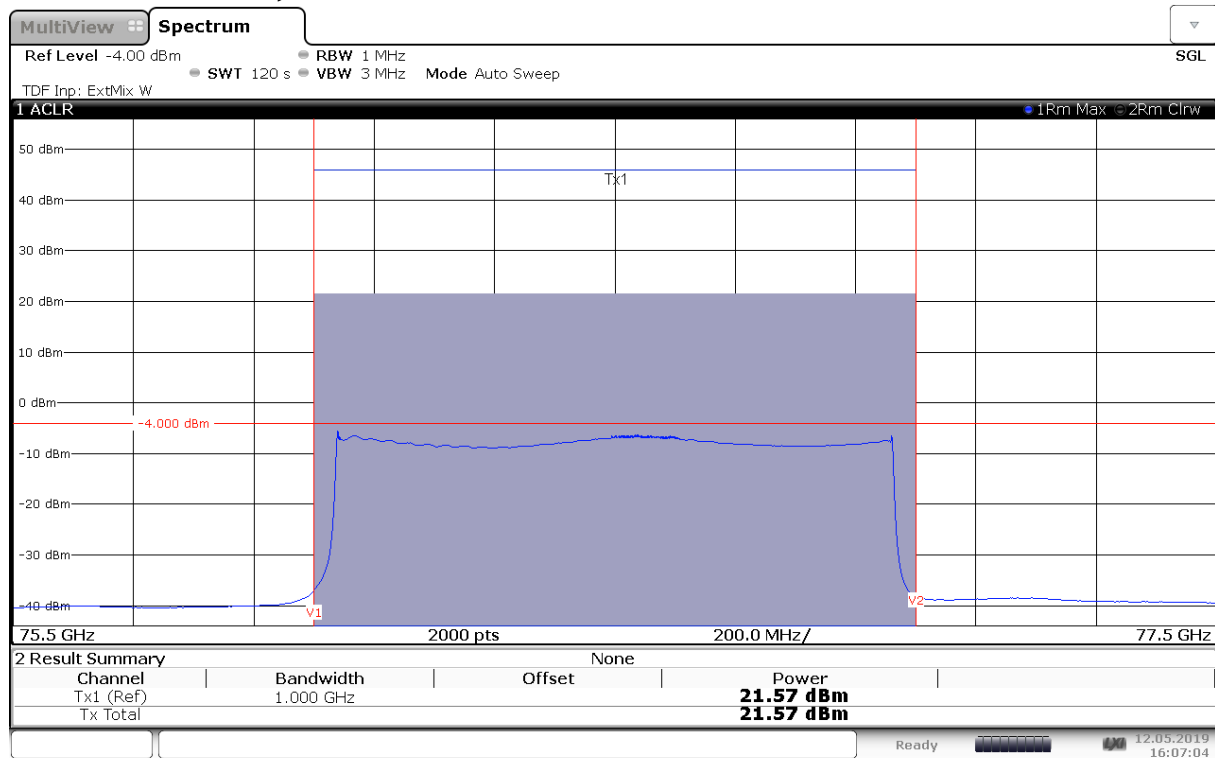
1.36. Peak Detector, T_{nom}/V_{nom} , RBW 10 MHz



11:25:29 27.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

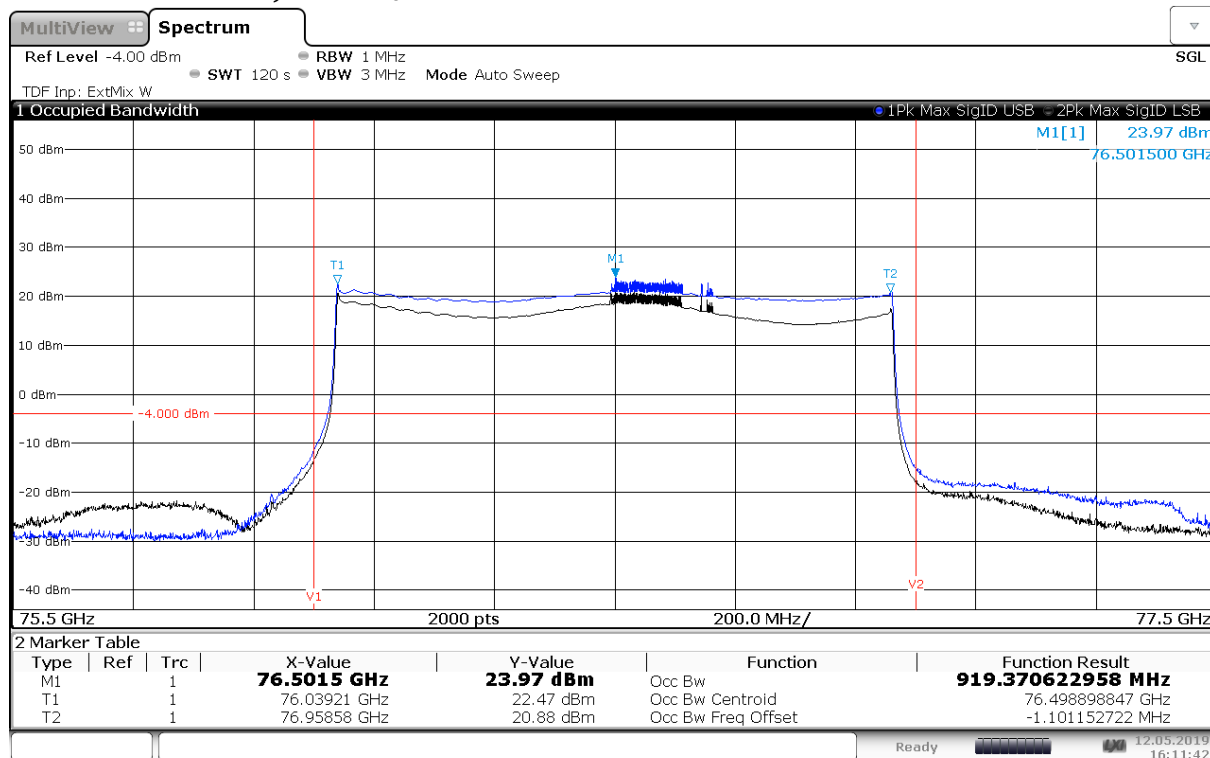
1.37. RMS Detector, T_{min}/V_{nom}



16:07:05 12.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.38. Peak Detector, T_{min}/V_{nom}



16:11:43 12.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

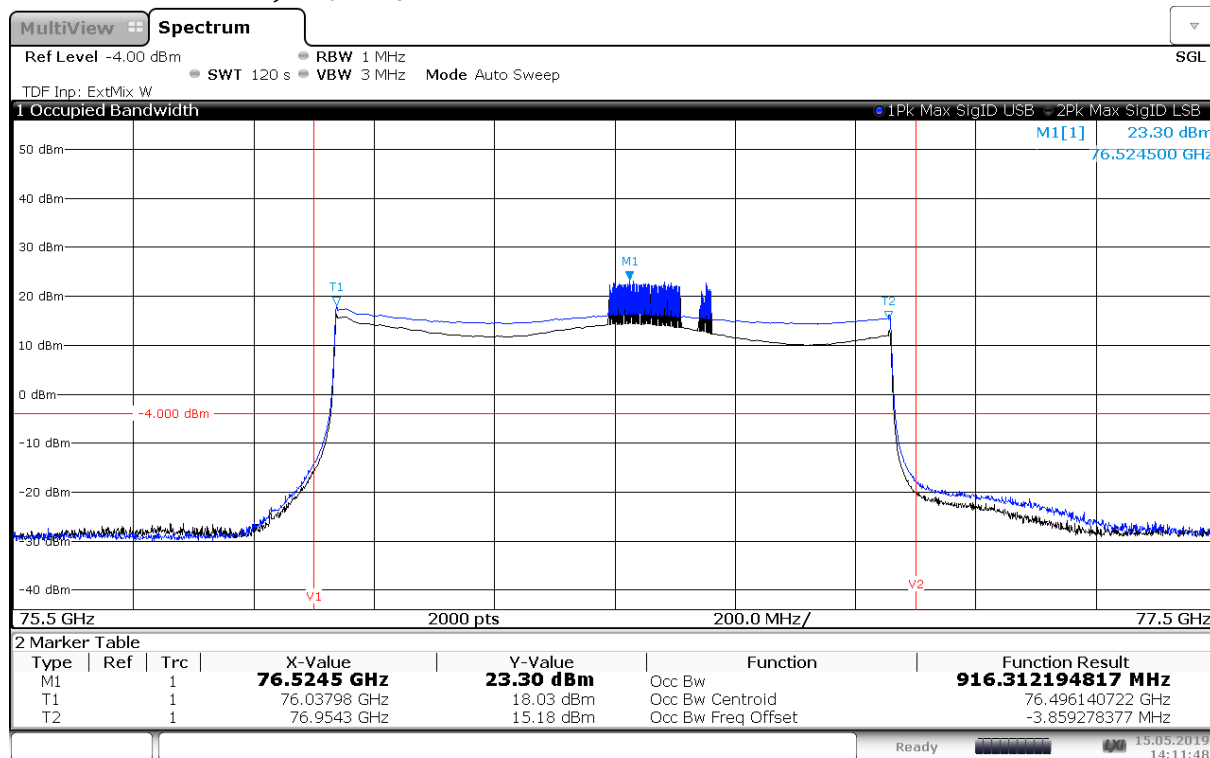
1.39. RMS Detector, T_{max}/V_{nom}



14:07:16 15.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.40. Peak Detector, $T_{\max}/V_{\text{nom}}$



14:11:49 15.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

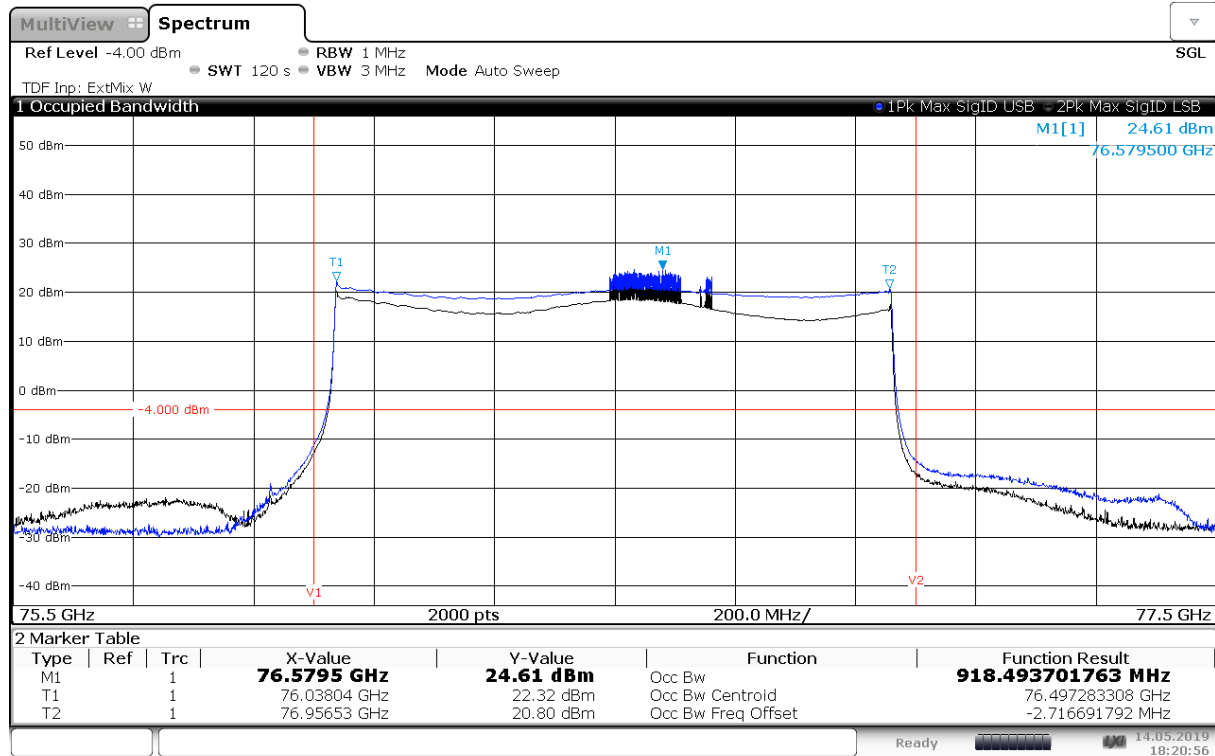
1.41. RMS Detector, $T_{\text{nom}}/V_{\text{min}}$



18:15:16 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.42. Peak Detector, T_{nom}/V_{min}



18:20:56 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

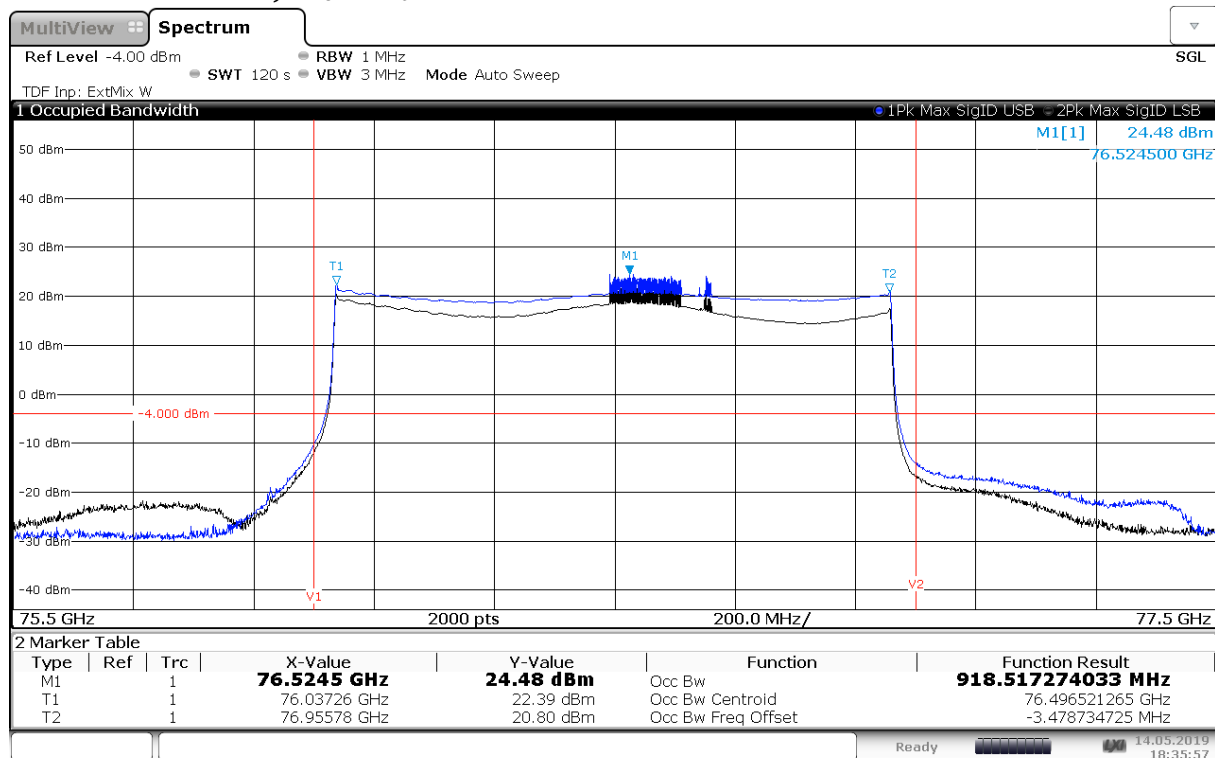
1.43. RMS Detector, T_{nom}/V_{max}



18:38:17 14.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

1.44. Peak Detector, T_{nom}/V_{max}



18:35:57 14.05.2019

* -4 dBm is only a reference line from the FSW67. Limit: 50 dBm (Average), 55 dBm (Peak).

2. Modulation characteristics

EUT A, Mode 1

2.1. Peak Detector, T_{nom}/V_{nom}

See diagram 1.2

2.2. Peak Detector, T_{min}/V_{nom}

See diagram 1.4

2.3. Peak Detector, T_{max}/V_{nom}

See diagram 1.6

2.4. Peak Detector, T_{nom}/V_{min}

See diagram 1.8

2.5. Peak Detector, T_{nom}/V_{max}

See diagram 1.10

EUT B, Mode 1

2.6. Peak Detector, T_{nom}/V_{nom}

See diagram 1.12

2.7. Peak Detector, T_{min}/V_{nom}

See diagram 1.14

2.8. Peak Detector, T_{max}/V_{nom}

See diagram 1.16

2.9. Peak Detector, T_{nom}/V_{min}

See diagram 1.18

2.10. Peak Detector, T_{nom}/V_{max}

See diagram 1.20

EUT C, Mode 1

2.11. Peak Detector, T_{nom}/V_{nom}

See diagram 1.22

2.12. Peak Detector, T_{min}/V_{nom}

See diagram 1.24

2.13. Peak Detector, T_{max}/V_{nom}

See diagram 1.26

2.14. Peak Detector, T_{nom}/V_{min}

See diagram 1.28

2.15. Peak Detector, T_{nom}/V_{max}

See diagram 1.30

EUT D, Mode 1**2.16. Peak Detector, T_{nom}/V_{nom}**

See diagram 1.32

2.17. Peak Detector, T_{min}/V_{nom}

See diagram 1.34

2.18. Peak Detector, T_{max}/V_{nom}

See diagram 1.36

2.19. Peak Detector, T_{nom}/V_{min}

See diagram 1.38

2.20. Peak Detector, T_{nom}/V_{max}

See diagram 1.40

3. Occupied bandwidth

EUT A, Mode 1

3.1. Peak Detector, $T_{\text{nom}}/V_{\text{nom}}$

See diagram 1.2

3.2. Peak Detector, $T_{\text{min}}/V_{\text{nom}}$

See diagram 1.4

3.3. Peak Detector, $T_{\text{max}}/V_{\text{nom}}$

See diagram 1.6

3.4. Peak Detector, $T_{\text{nom}}/V_{\text{min}}$

See diagram 1.8

3.5. Peak Detector, $T_{\text{nom}}/V_{\text{max}}$

See diagram 1.10

EUT B, Mode 1

3.6. Peak Detector, $T_{\text{nom}}/V_{\text{nom}}$

See diagram 1.12

3.7. Peak Detector, $T_{\text{min}}/V_{\text{nom}}$

See diagram 1.14

3.8. Peak Detector, $T_{\text{max}}/V_{\text{nom}}$

See diagram 1.16

3.9. Peak Detector, $T_{\text{nom}}/V_{\text{min}}$

See diagram 1.18

3.10. Peak Detector, $T_{\text{nom}}/V_{\text{max}}$

See diagram 1.20

EUT C, Mode 1

3.11. Peak Detector, $T_{\text{nom}}/V_{\text{nom}}$

See diagram 1.22

3.12. Peak Detector, $T_{\text{min}}/V_{\text{nom}}$

See diagram 1.24

3.13. Peak Detector, $T_{\text{max}}/V_{\text{nom}}$

See diagram 1.26

3.14. Peak Detector, $T_{\text{nom}}/V_{\text{min}}$

See diagram 1.28

3.15. Peak Detector, $T_{\text{nom}}/V_{\text{max}}$

See diagram 1.30

EUT D, Mode 1**3.16. Peak Detector, T_{nom}/V_{nom}**

See diagram 1.32

3.17. Peak Detector, T_{min}/V_{nom}

See diagram 1.34

3.18. Peak Detector, T_{max}/V_{nom}

See diagram 1.36

3.19. Peak Detector, T_{nom}/V_{min}

See diagram 1.38

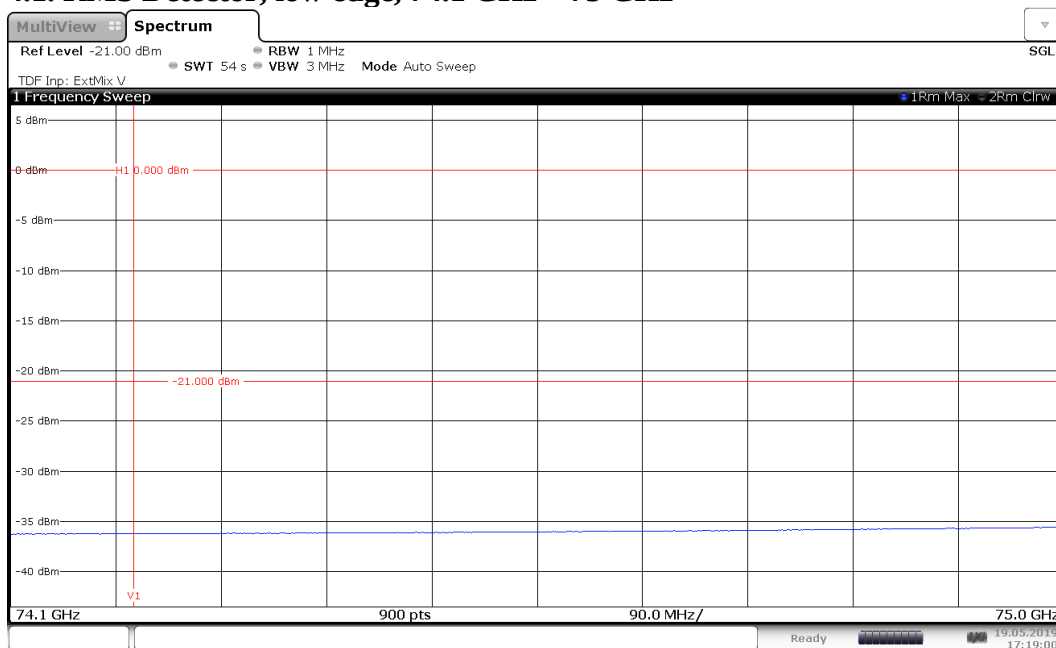
3.20. Peak Detector, T_{nom}/V_{max}

See diagram 1.40

4. Field strength of emissions (band edge)

EUT A, Mode 1

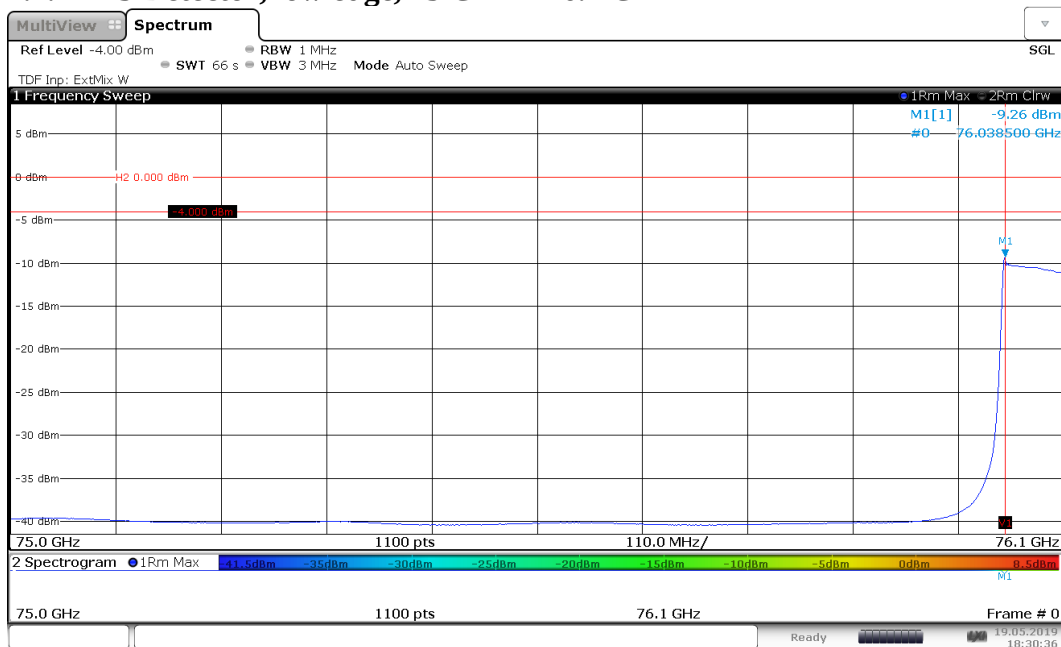
4.1. RMS Detector, low edge, 74.1 GHz – 75 GHz



17:19:00 19.05.2019

* -21 dBm is only a reference line from the FSW67. Limit is 0 dBm.

4.2. RMS Detector, low edge, 75 GHz – 76.1 GHz



18:30:36 19.05.2019

* -4 dBm is only a reference line from the FSW67. Limit is 0 dBm.

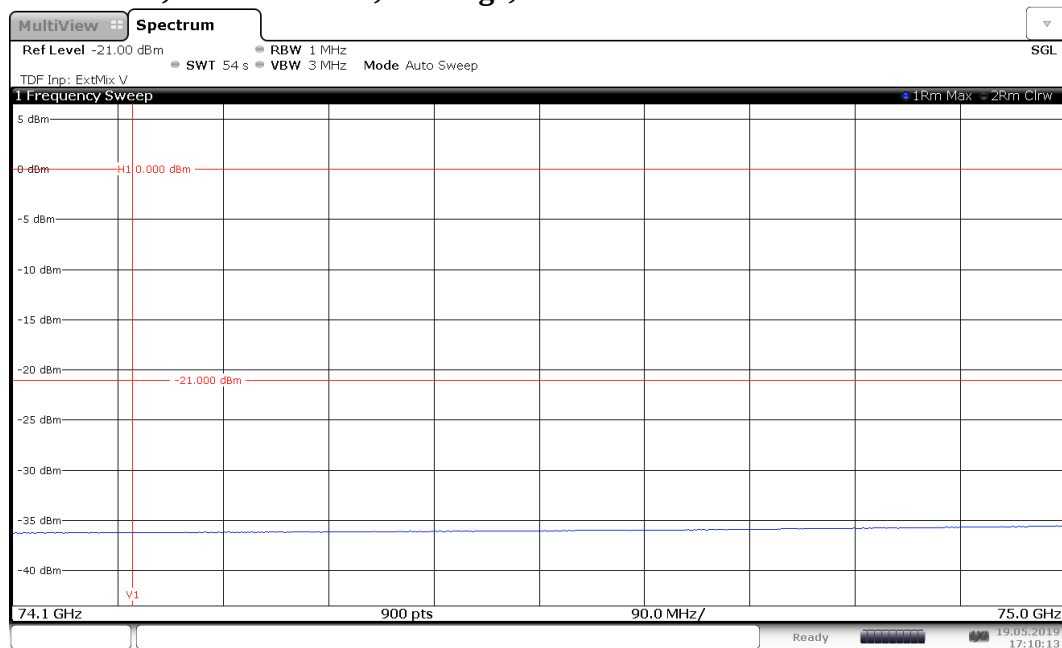
4.3. RMS Detector, high edge, SigID USB + LSB

No emissions above 77 GHz respectively 81 GHz. See diagrams in from section 5.36. 77 GHz – 78.5 GHz, ANT HOR + VER, position with the highest power (RMS), FMCW to 5.38. 79.5 GHz – 81 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW.

* Limit is 0 dBm.

EUT D, Mode 1

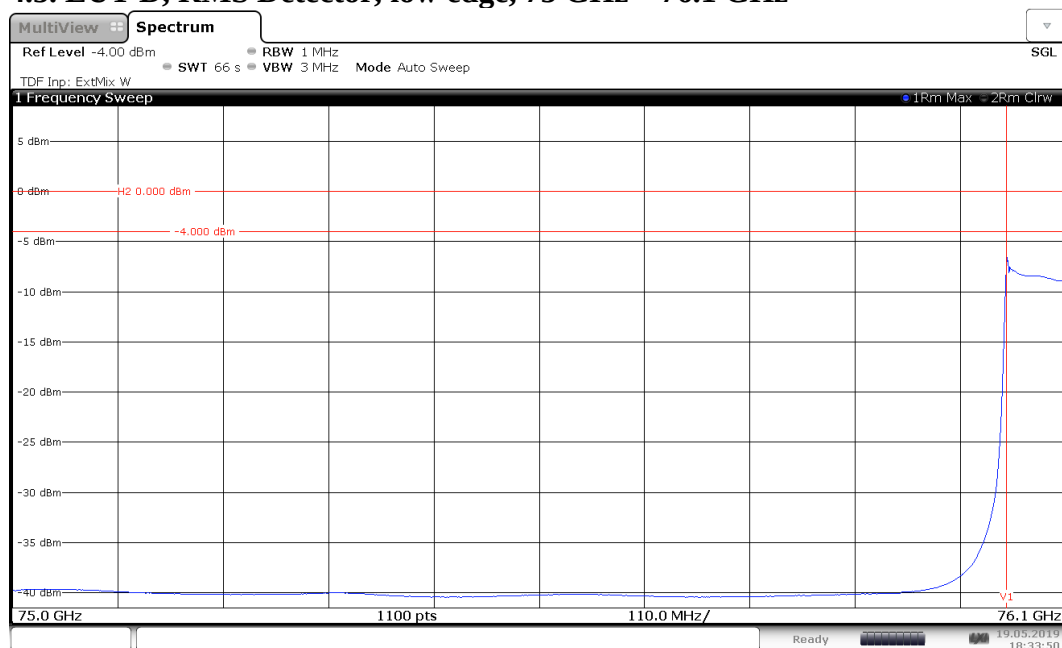
4.4. EUT C, RMS Detector, low edge, 74.1 GHz – 75 GHz



17:10:14 19.05.2019

* -21 dBmm is only a reference line from the FSW67. Limit is 0 dBm.

4.5. EUT D, RMS Detector, low edge, 75 GHz – 76.1 GHz



18:33:50 19.05.2019

* -4 dBmm is only a reference line from the FSW67. Limit is 0 dBm. V1 line marks the frequency for the low edge OBW.

4.6. EUT D, RMS Detector, high edge

No emissions above 77 GHz respectively 81 GHz. See diagrams in section 5.116. 77 GHz – 78.5 GHz, EUT D, ANT HOR + VER, position with the highest power (RMS), FMCW to 5.118. 79.5 GHz – 81 GHz, EUT D, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW.

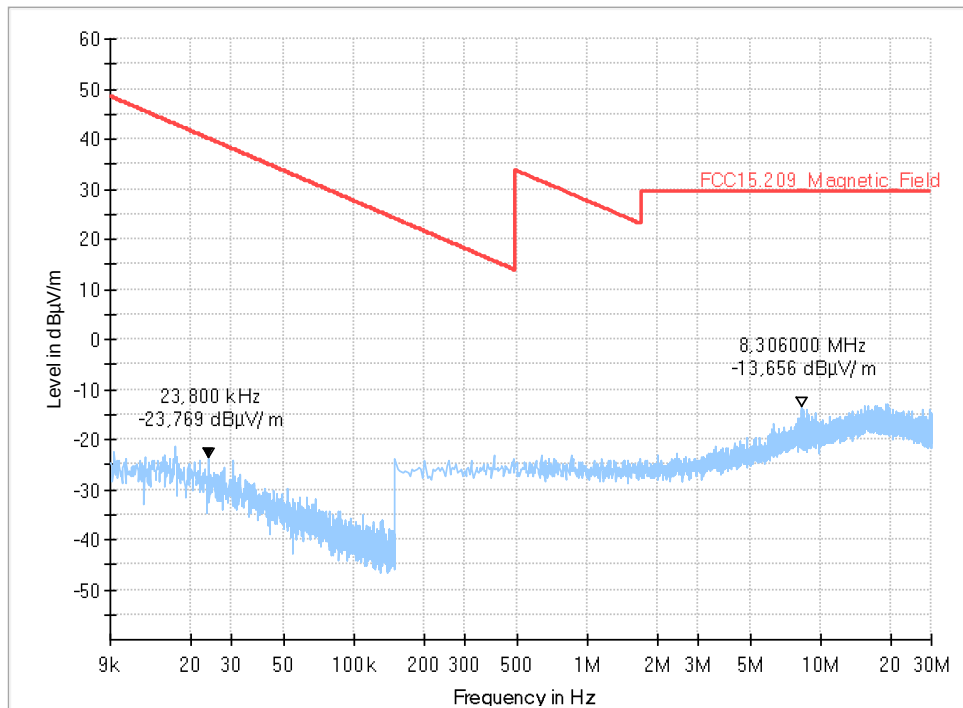
* Limit is 0 dBm.

5. Field strength of emissions (radiated spurious)

EUT A

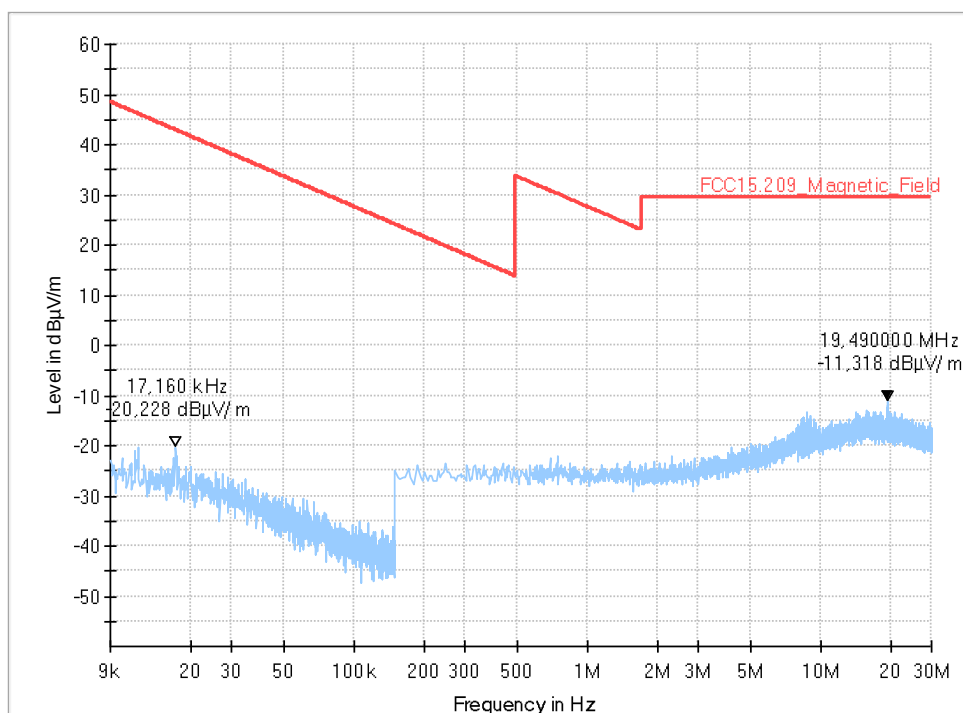
5.1. 9 kHz – 30 MHz, laying, valid for f_CW_low + f_CW_center + f_CW_high

Full Spectrum



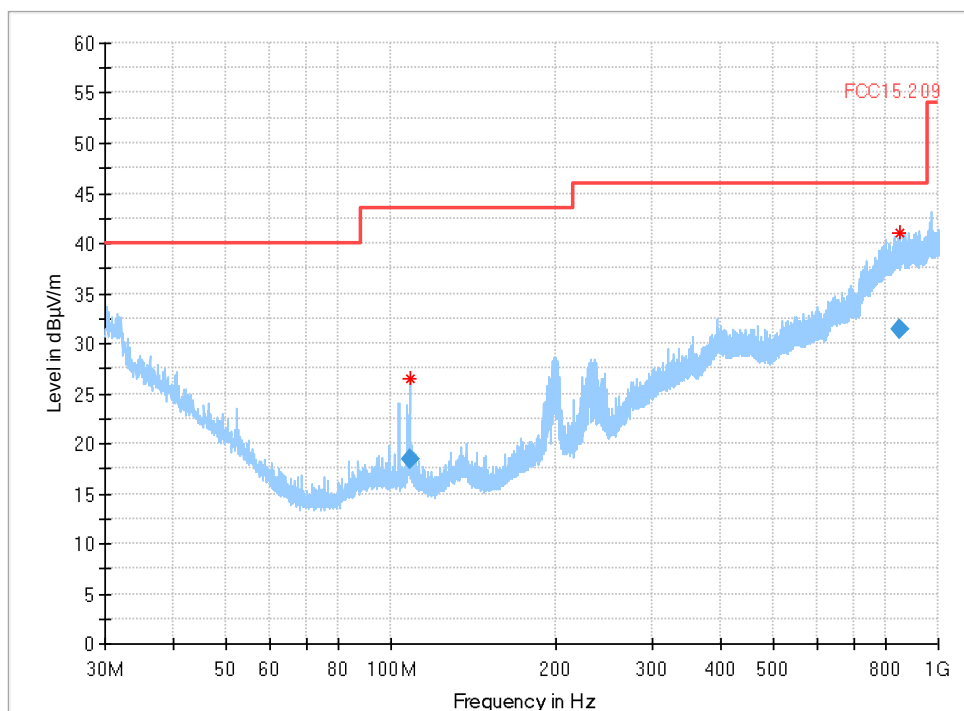
5.2. 9 kHz – 30 MHz, standing, valid for f_CW_low + f_CW_center + f_CW_high

Full Spectrum



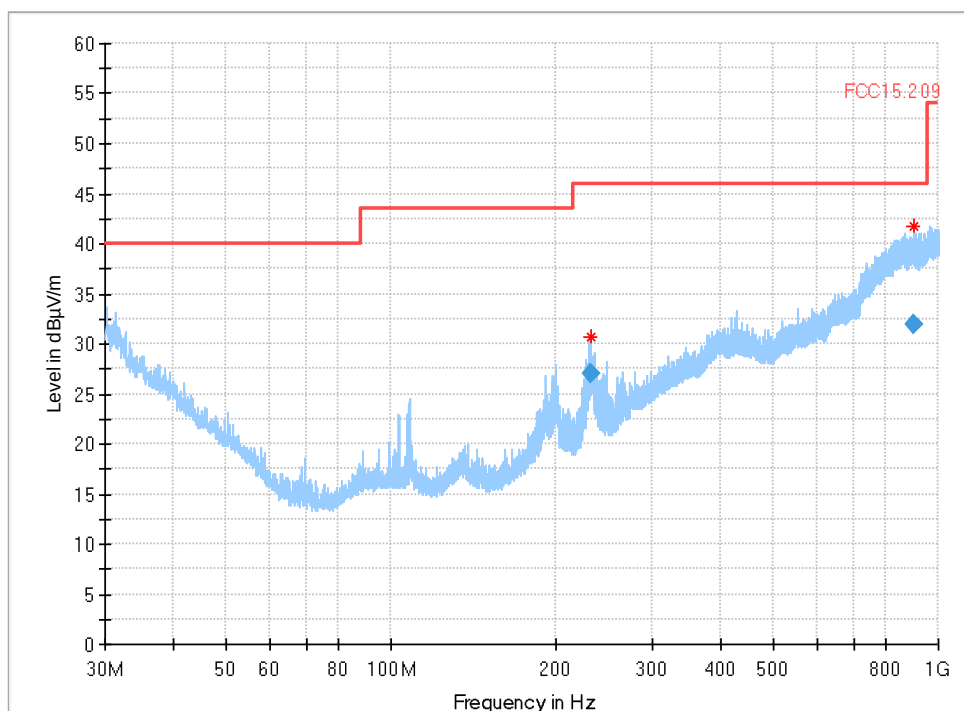
5.3. 30 MHz – 1 GHz, laying, valid for f_{CW_low} + f_{CW_center} + f_{CW_high}

Full Spectrum

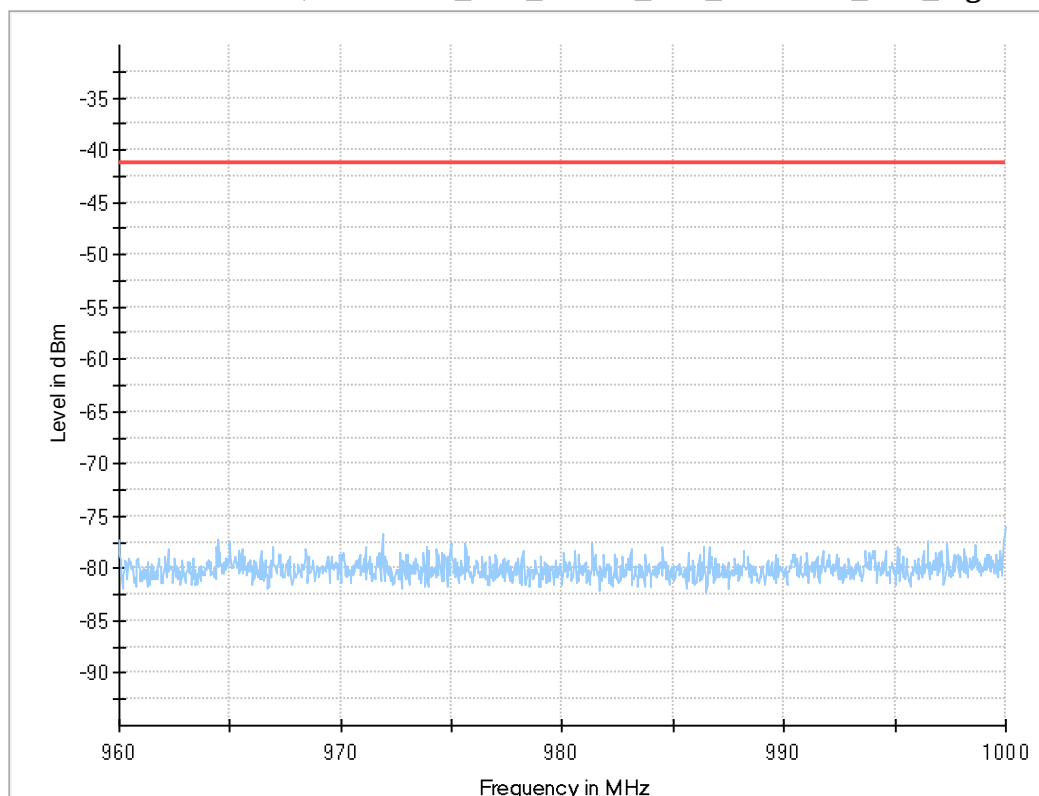


5.4. 30 MHz – 1 GHz, standing, valid for f_{CW_low} + f_{CW_center} + f_{CW_high}

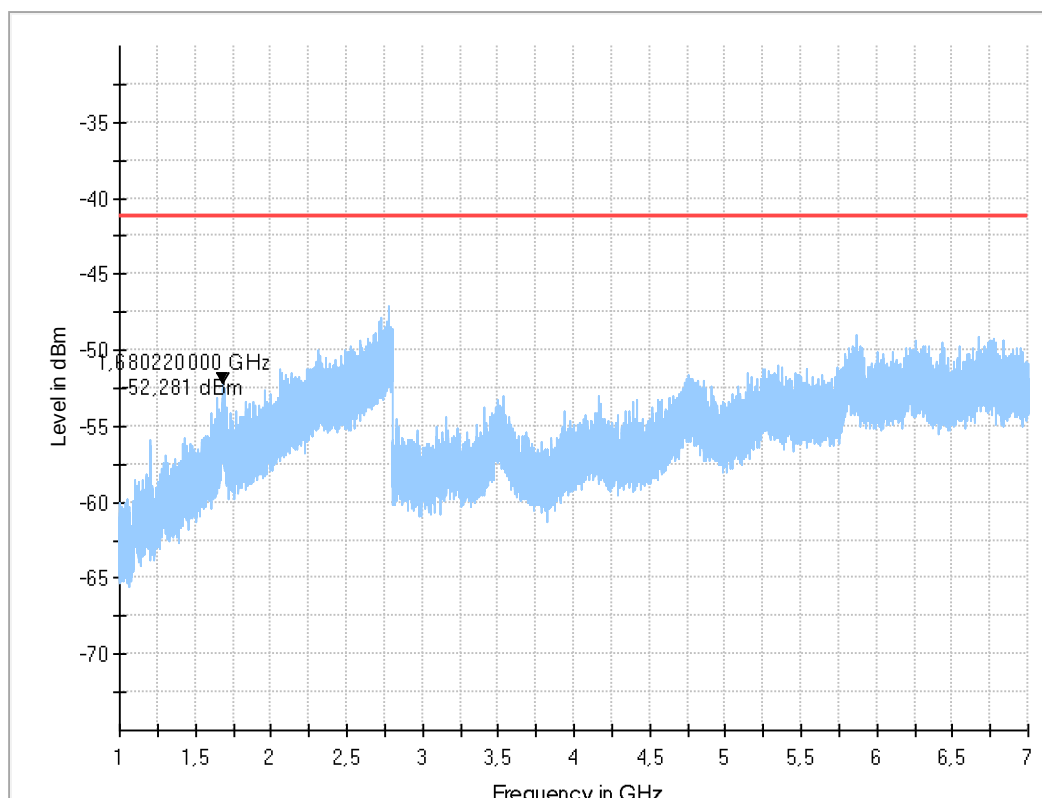
Full Spectrum



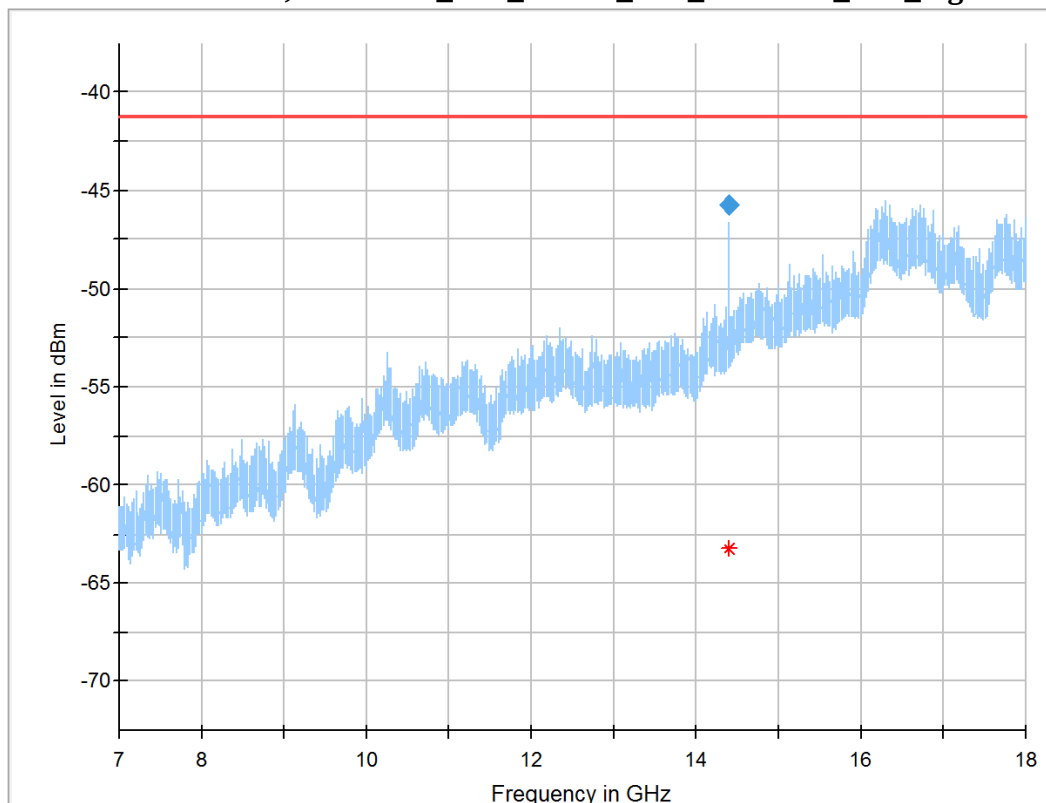
5.5. 960 MHz – 1 GHz, valid for f_{CW_low} + f_{CW_center} + f_{CW_high}



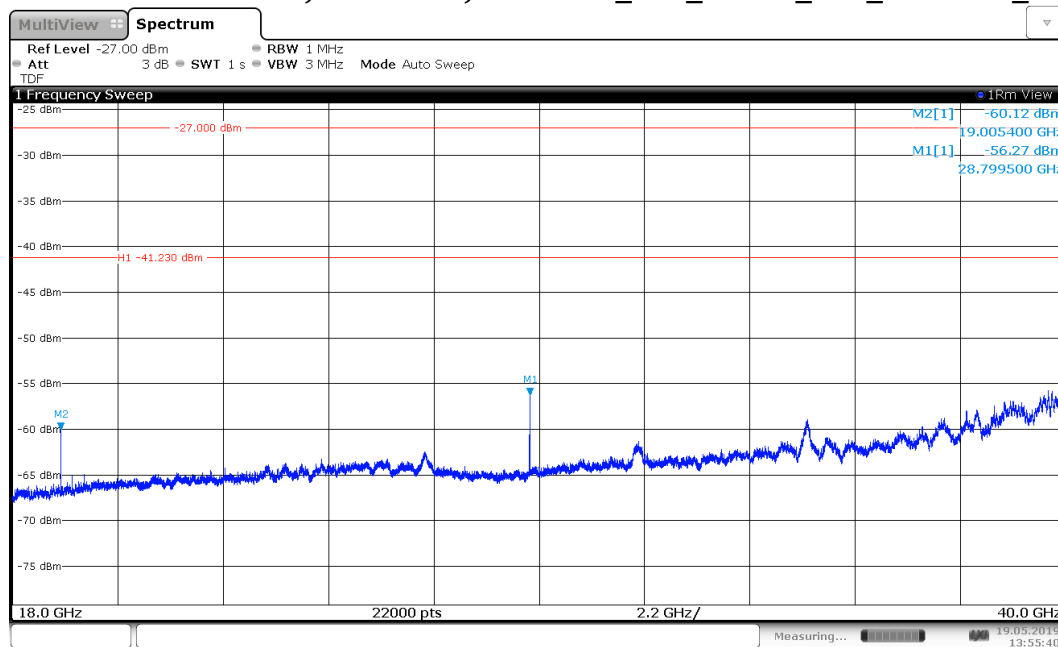
5.6. 1 GHz – 7 GHz, valid for f_{CW_low} + f_{CW_center} + f_{CW_high}



5.7. 7 GHz – 18 GHz, valid for $f_{CW_low} + f_{CW_center} + f_{CW_high}$



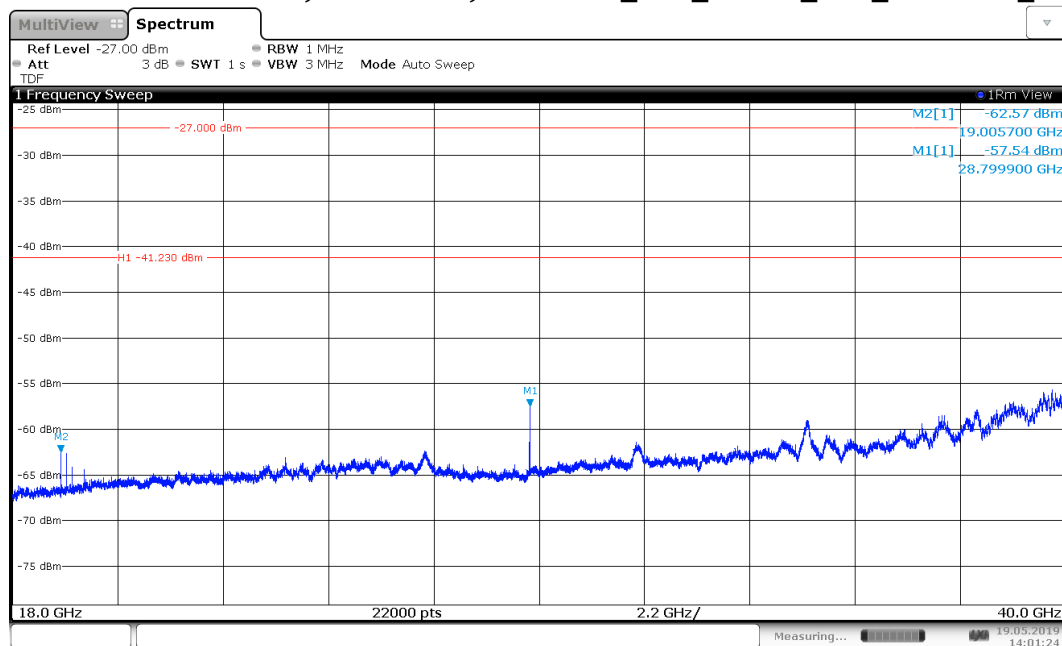
5.8. 18 GHz – 40 GHz, ANT VER, valid for $f_{CW_low} + f_{CW_center} + f_{CW_high}$



13:55:41 19.05.2019

* -27 dBm is only a reference line from the FSW67. Limit is -41.23 dBm.

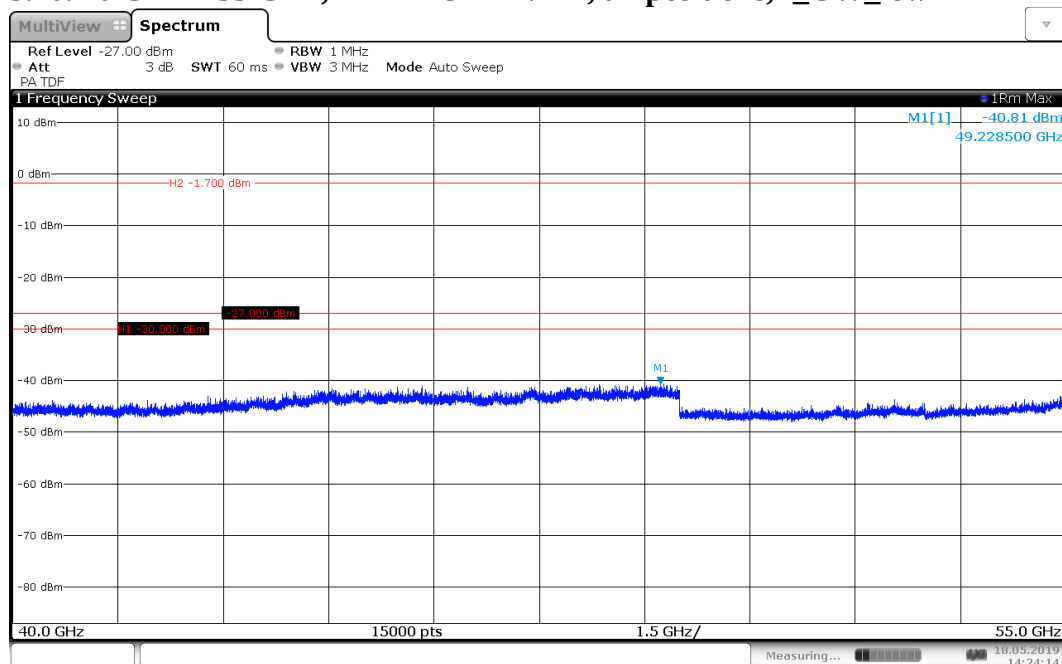
5.9. 18 GHz – 40 GHz, ANT HOR, valid for f_CW_low + f_CW_center + f_CW_high



14:01:24 19.05.2019

* -27 dBm is only a reference line from the FSW67. Limit is -41.23 dBm.

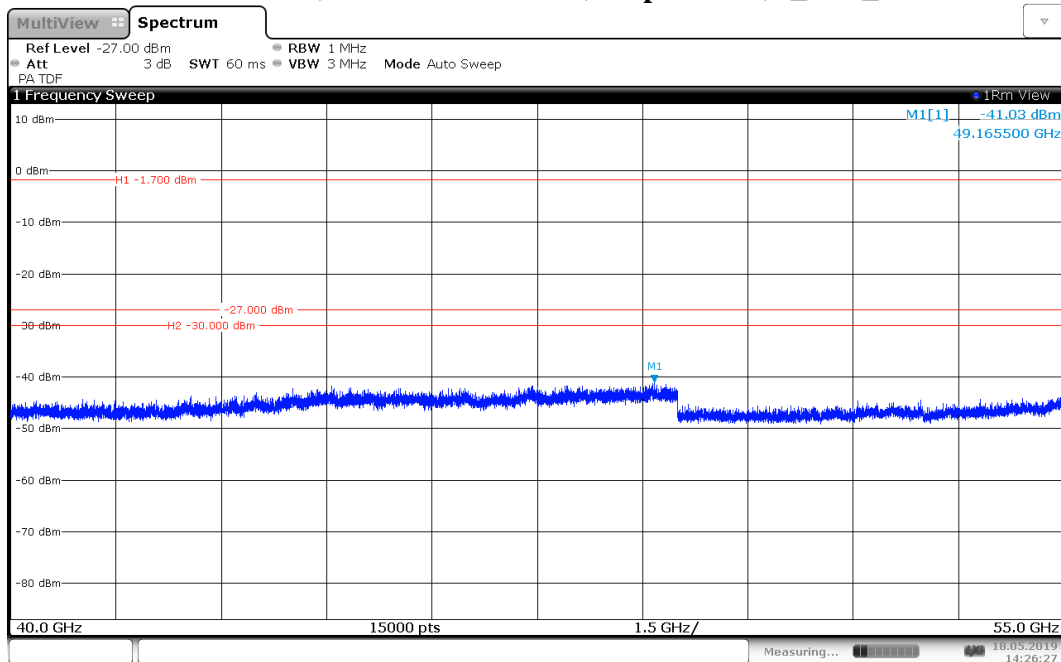
5.10. 40 GHz – 55 GHz, ANT HOR + VER, all positions, f_CW_low



14:24:14 18.05.2019

* -27 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

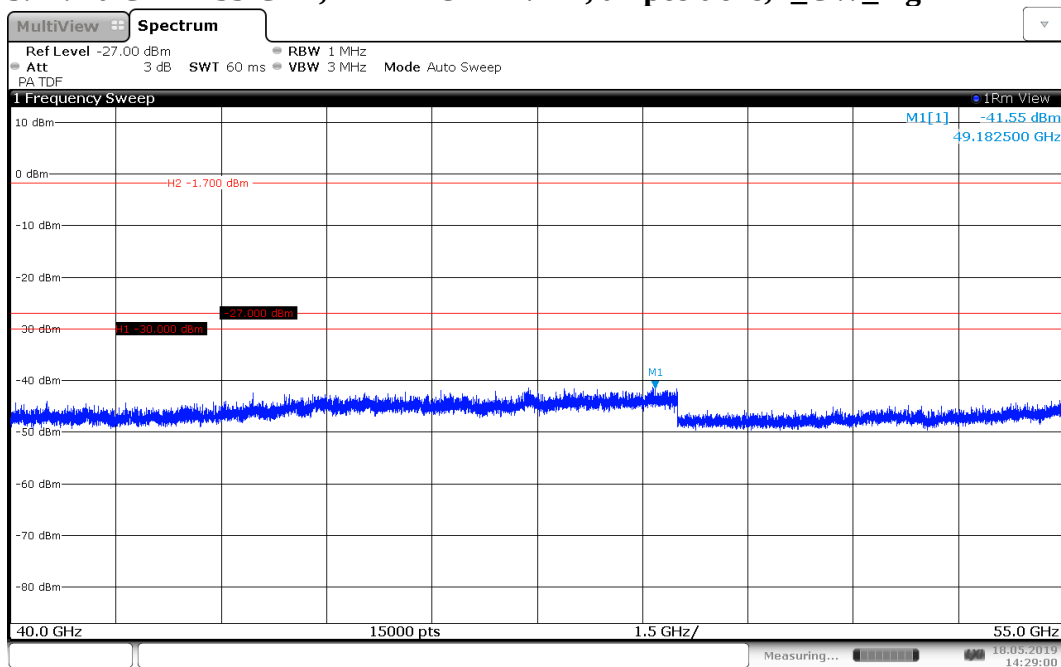
5.11. 40 GHz – 55 GHz, ANT HOR + VER, all positions, f_CW_center



14:26:28 18.05.2019

* -27 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

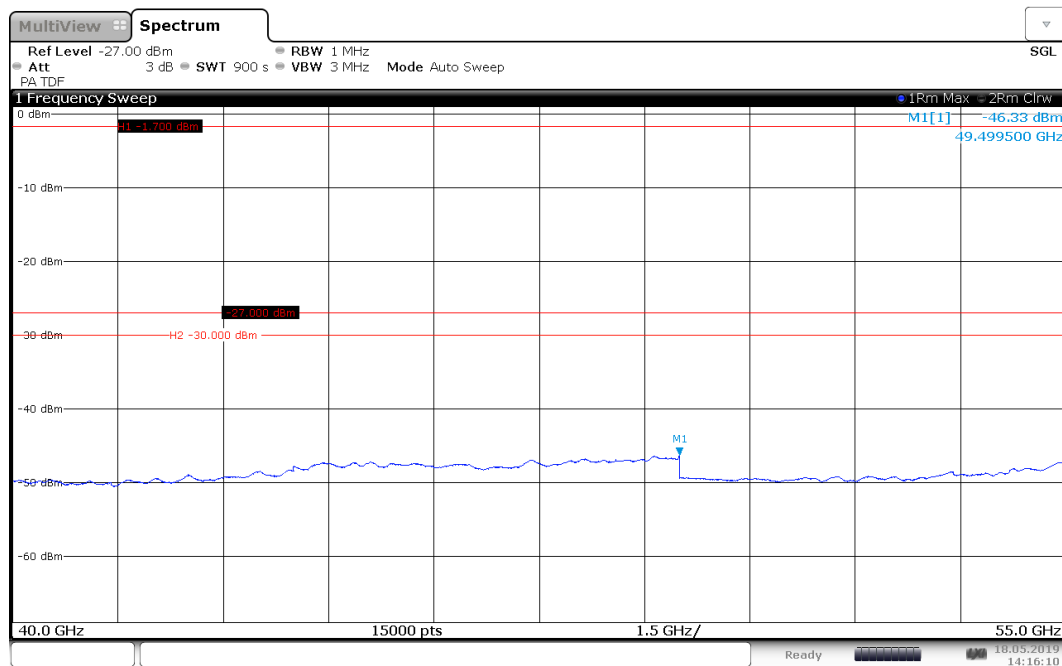
5.12. 40 GHz – 55 GHz, ANT HOR + VER, all positions, f_CW_high



14:29:00 18.05.2019

* -27 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

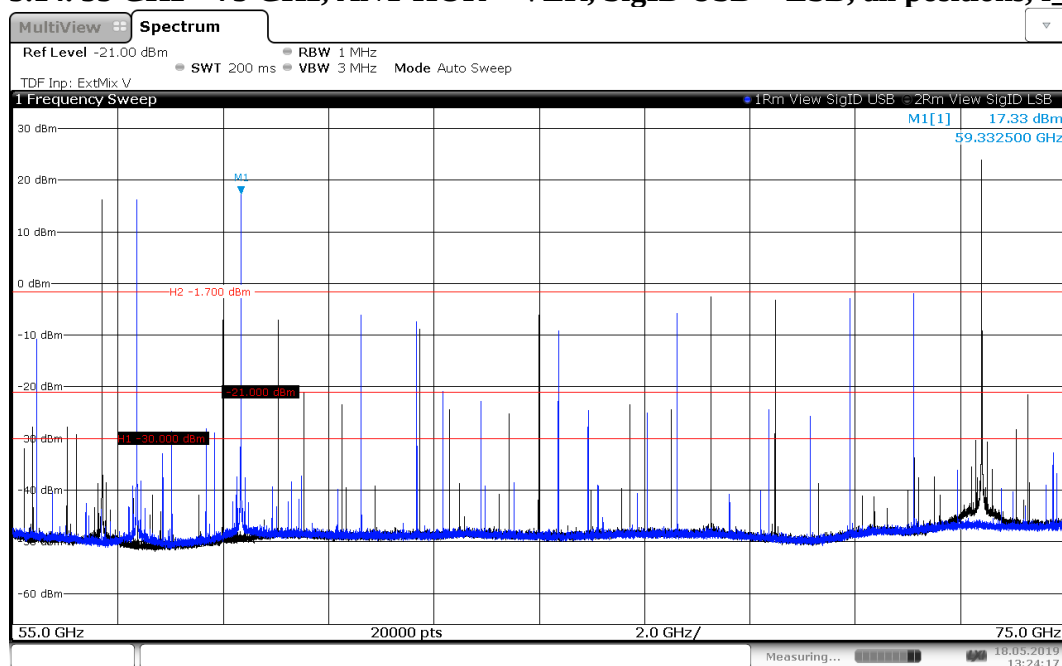
5.13. 40 GHz – 55 GHz, ANT HOR + VER, position with the highest power (RMS), FMCW



14:16:10 18.05.2019

* -27 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

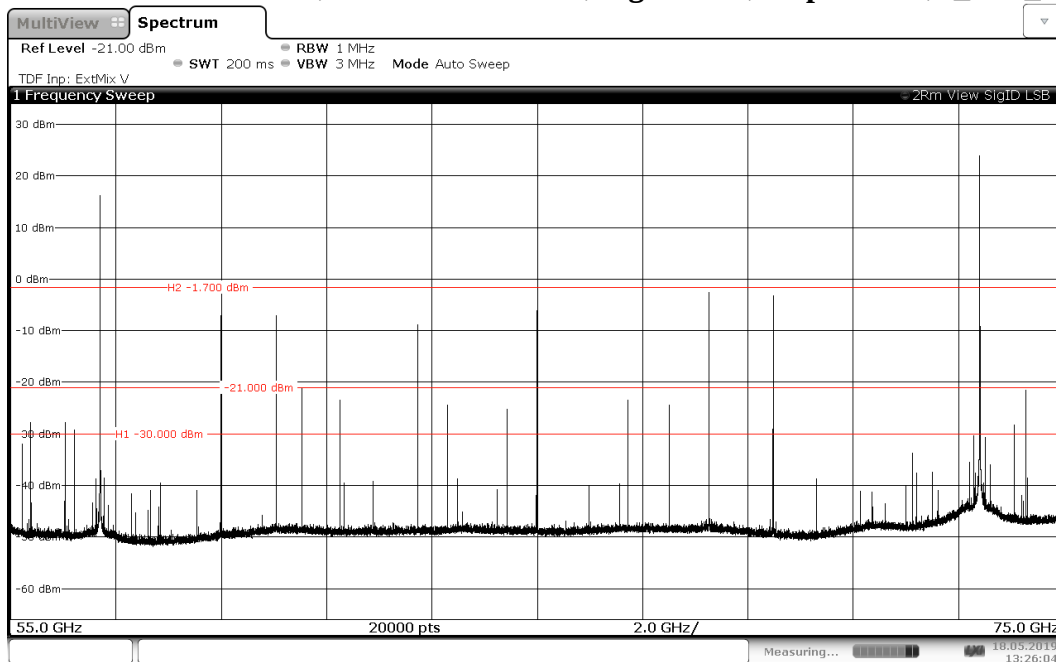
5.14. 55 GHz – 75 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_low



13:24:18 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

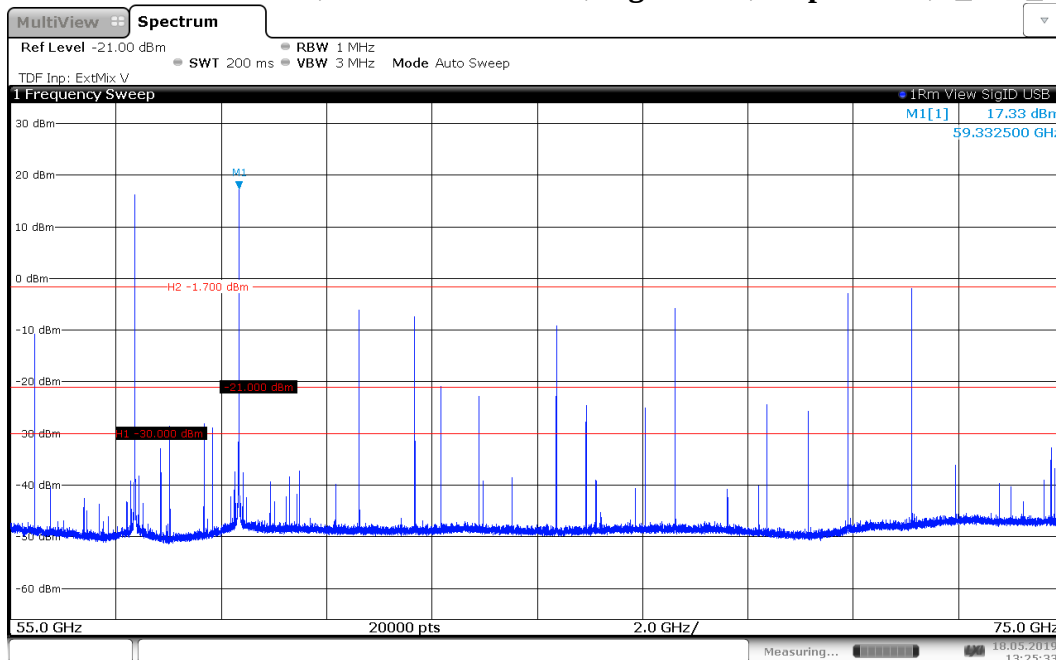
5.15. 55 GHz – 75 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_low



13:26:05 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

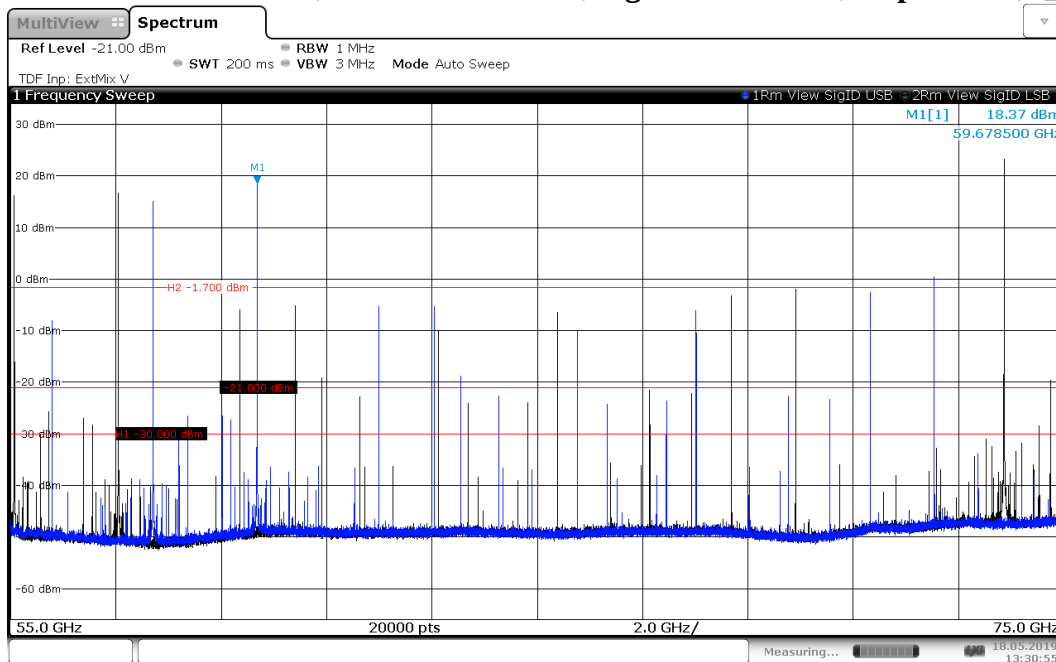
5.16. 55 GHz – 75 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_low



13:25:33 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

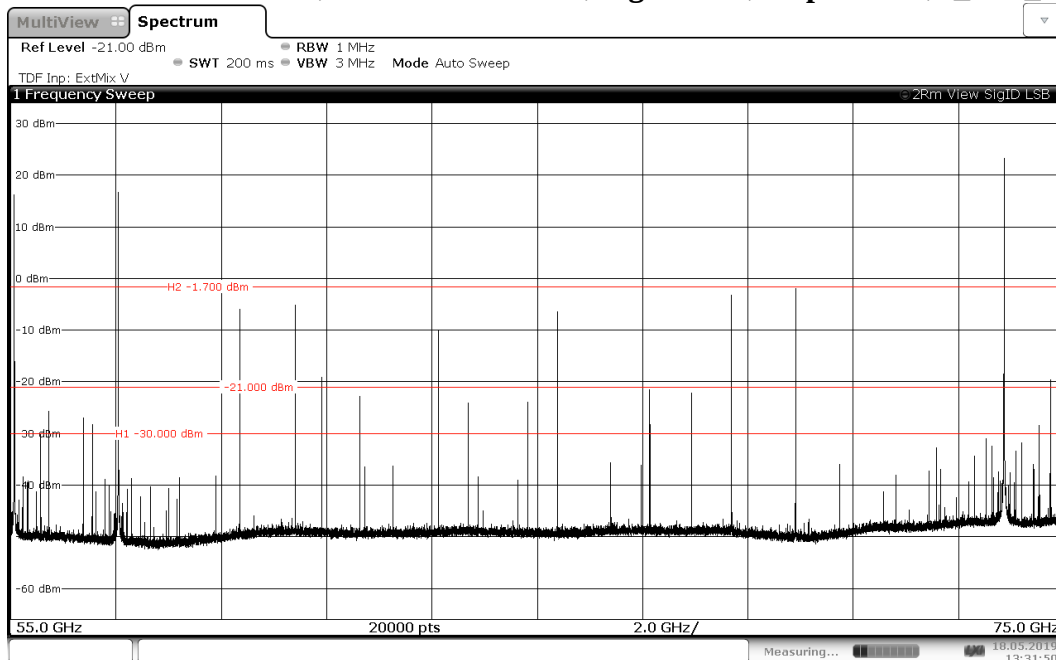
5.17. 55 GHz – 75 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_center



13:30:56 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

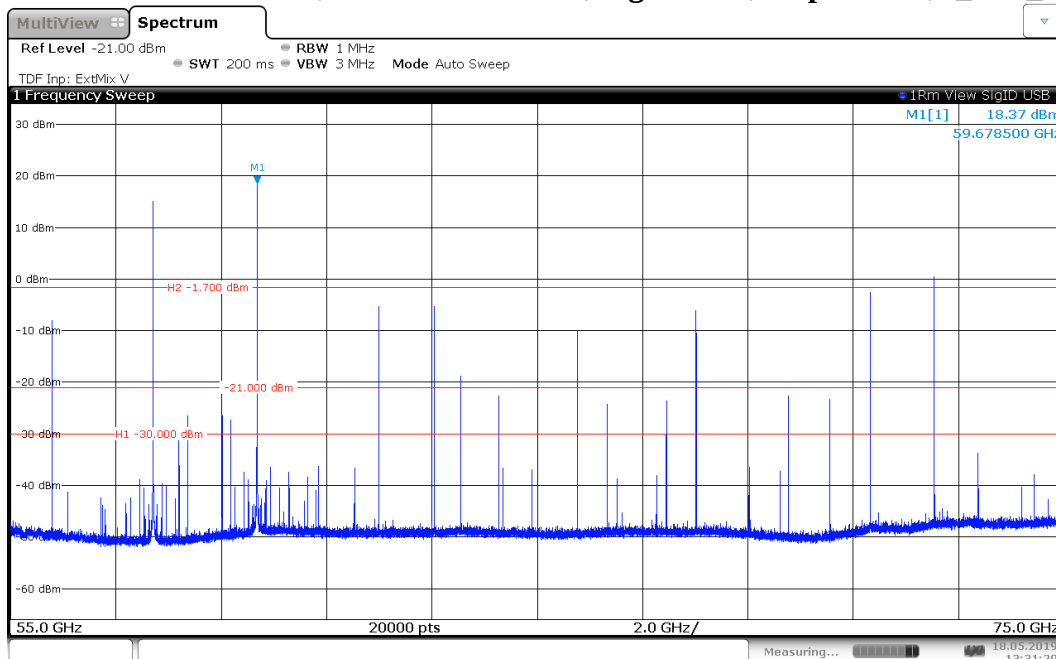
5.18. 55 GHz – 75 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_center



13:31:51 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

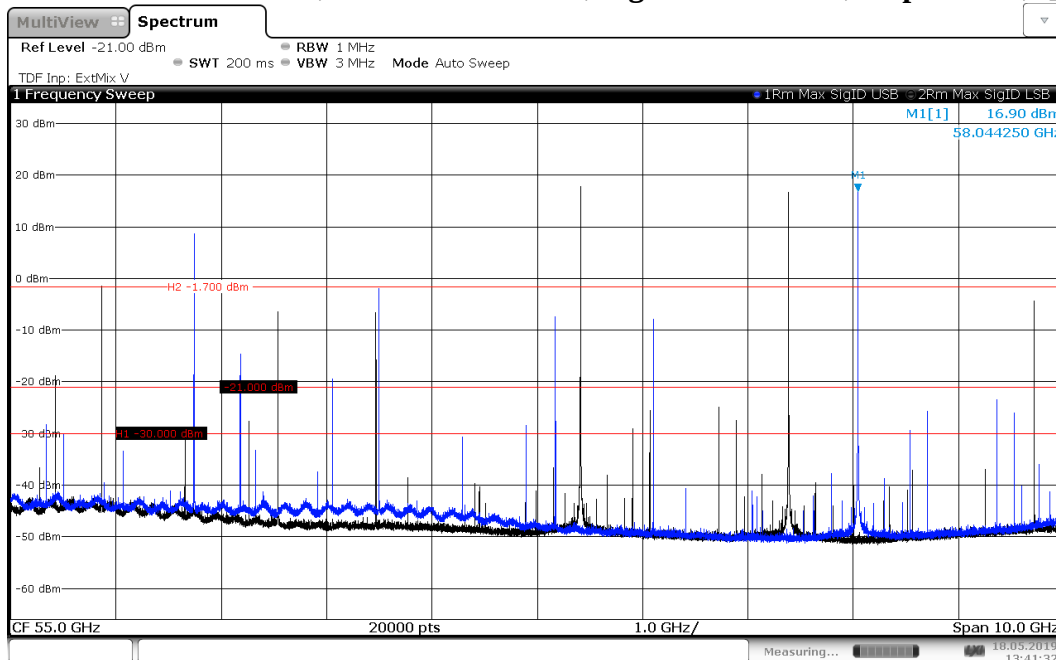
5.19. 55 GHz – 75 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_center



13:31:20 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

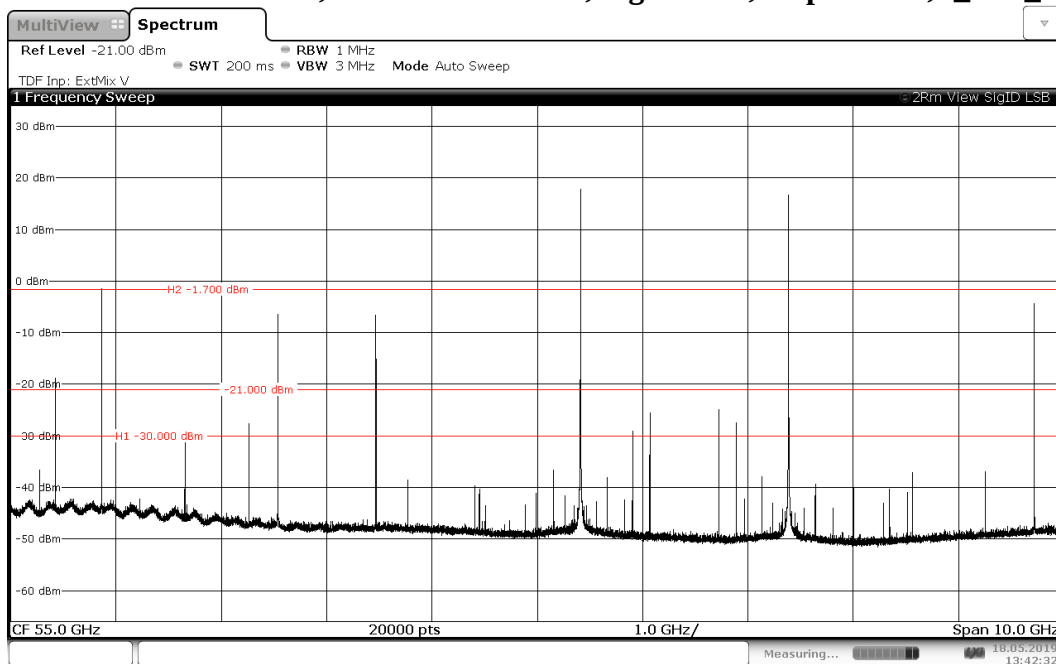
5.20. 55 GHz – 75 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_high



13:41:33 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

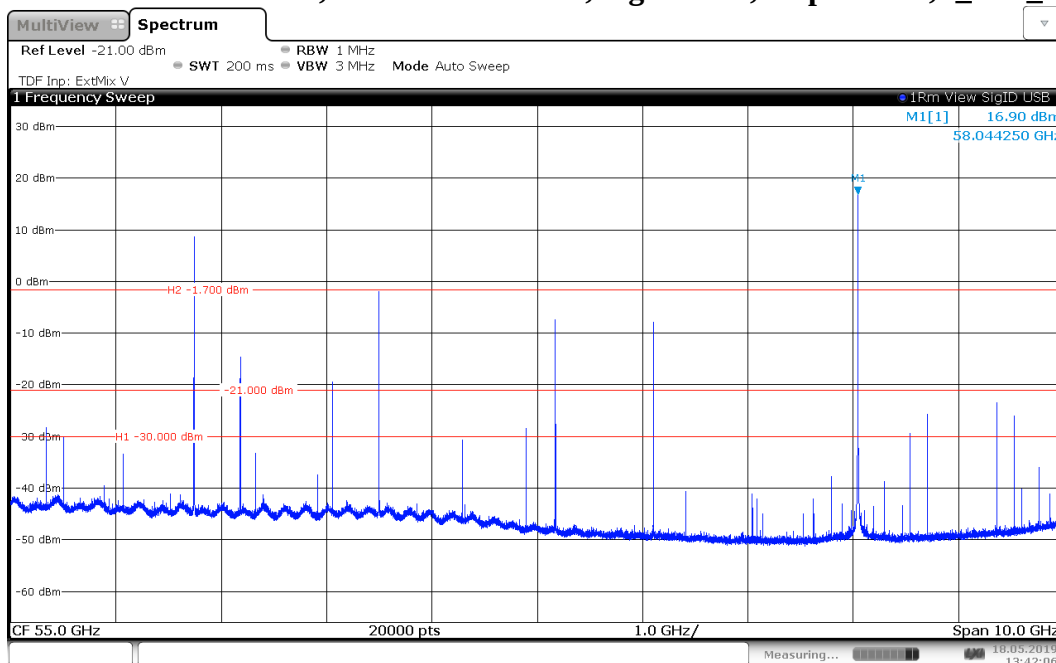
5.21. 55 GHz – 75 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_high



13:42:33 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

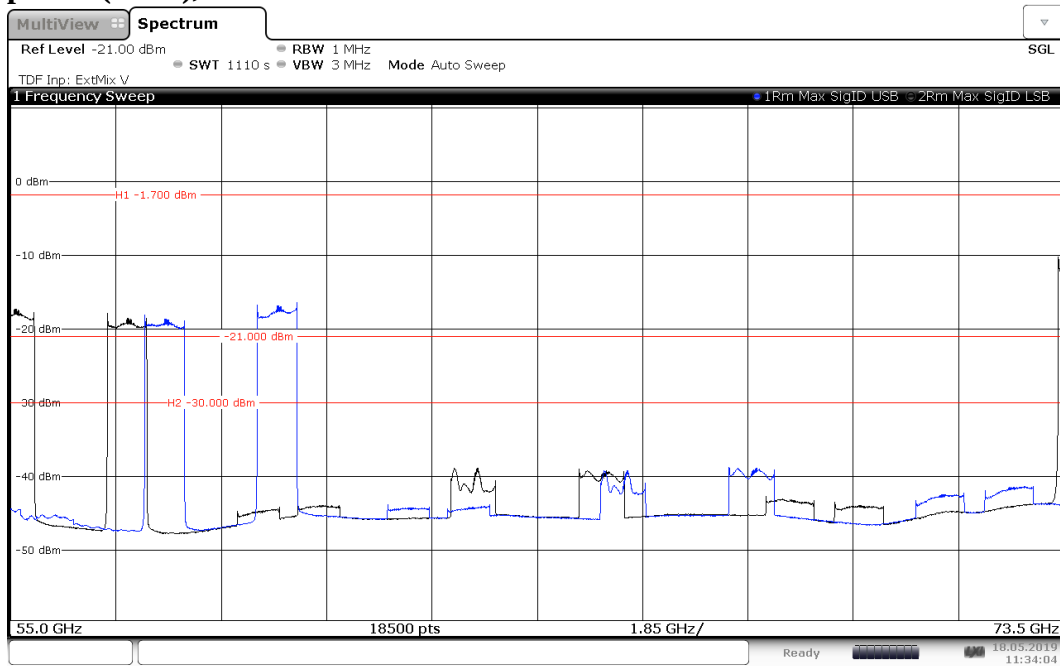
5.22. 55 GHz – 75 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_high



13:42:06 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

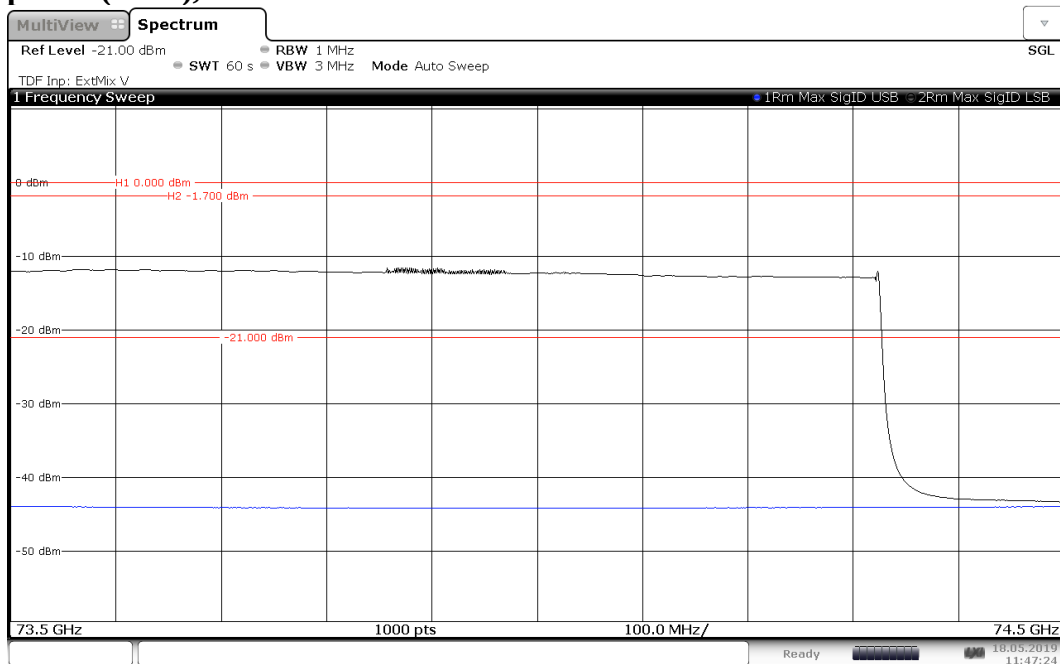
5.23. 55 GHz – 73.5 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



11:34:04 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

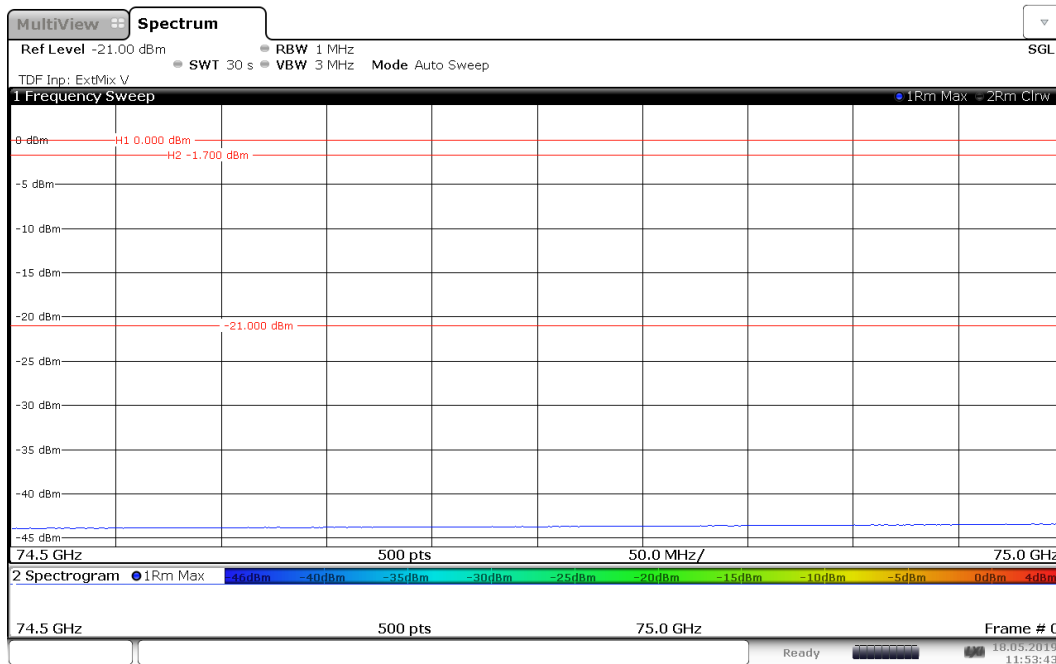
5.24. 73.5 GHz – 74.5 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



11:47:24 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and 0 dBm (ISED).

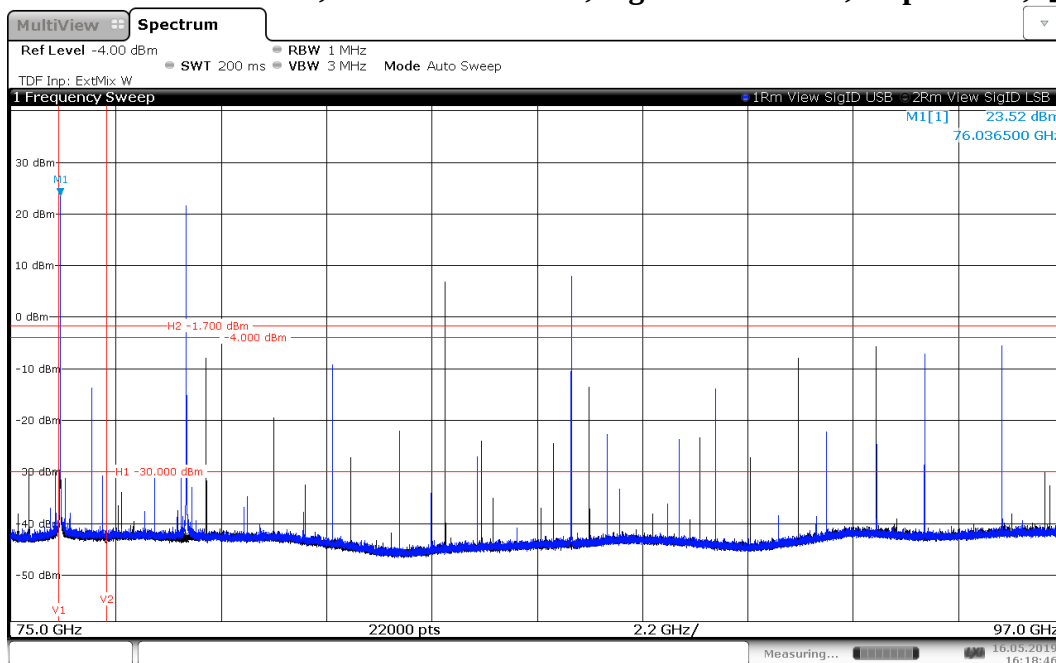
5.25. 74.5 GHz – 75 GHz, ANT HOR + VER, position with the highest power (RMS), FMCW



11:53:43 18.05.2019

* -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and 0 dBm (ISED).

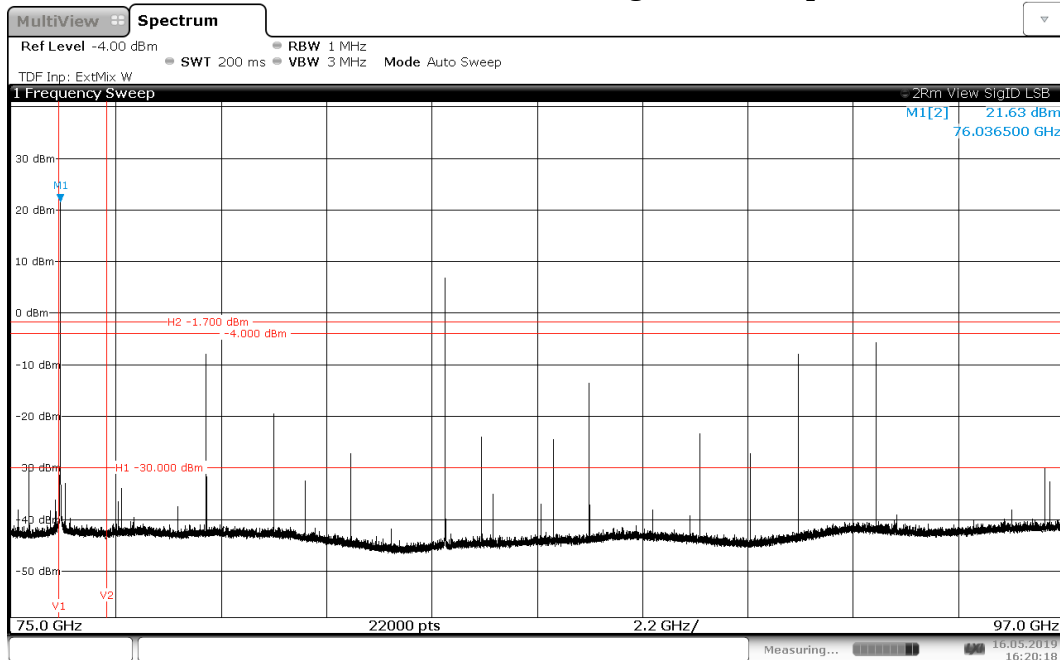
5.26. 75 GHz – 97 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_low



16:18:46 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

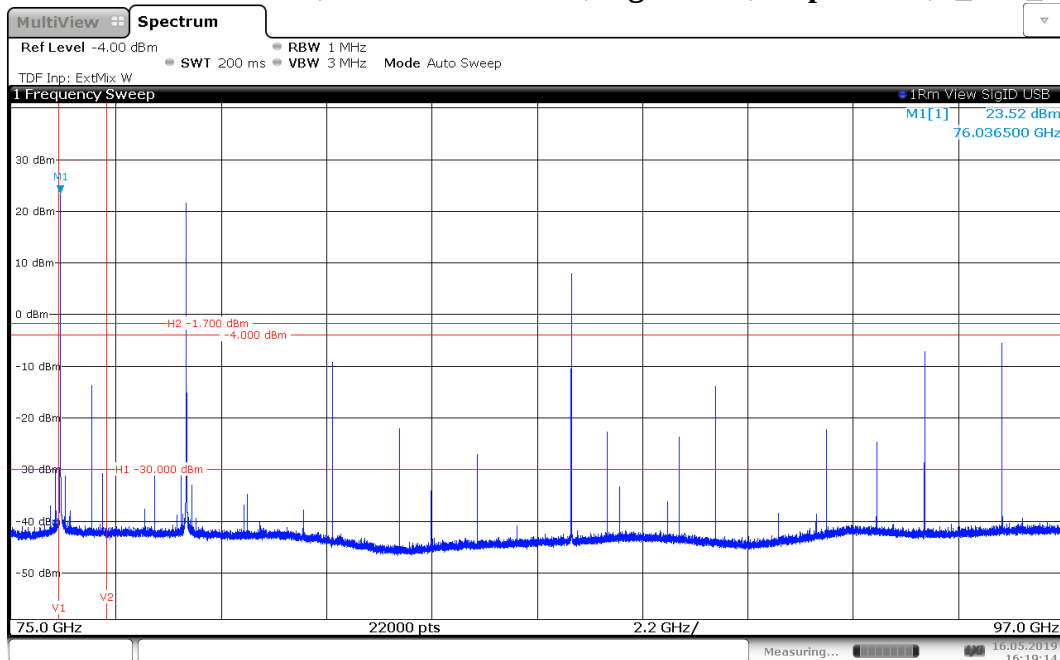
5.27. 75 GHz – 97 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_low



16:20:18 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSB traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

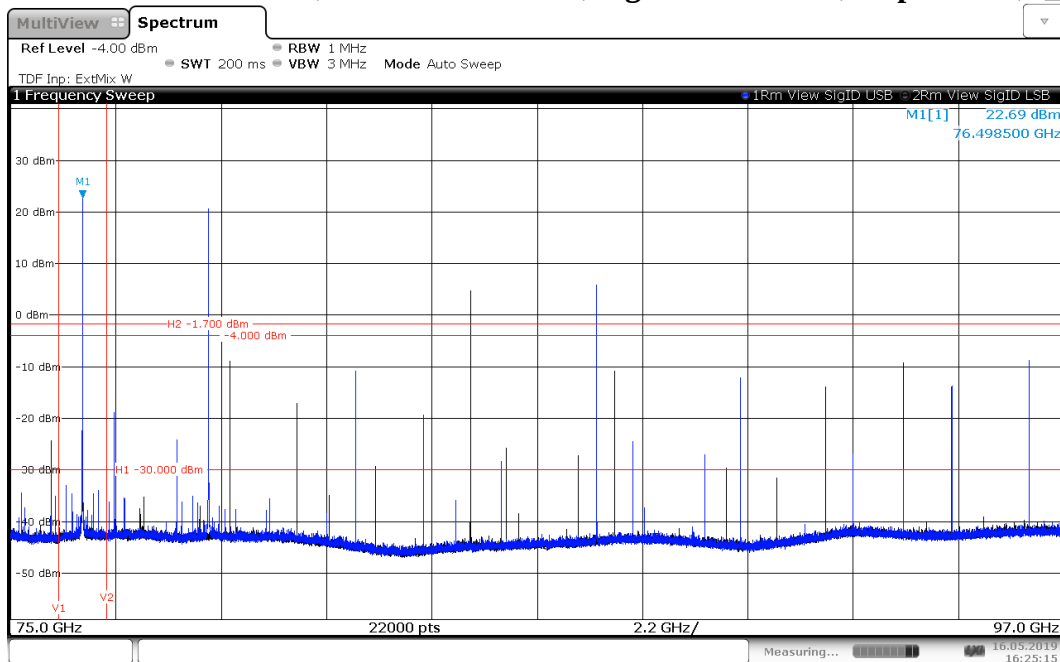
5.28. 75 GHz – 97 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_low



16:19:14 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSB traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

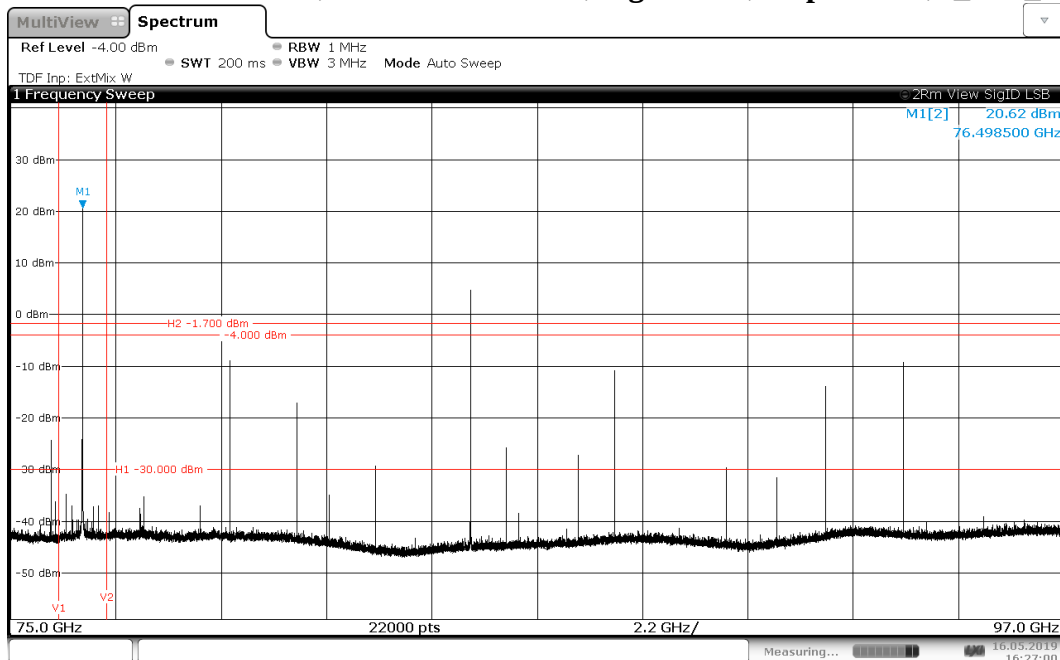
5.29. 75 GHz – 97 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_center



16:25:16 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

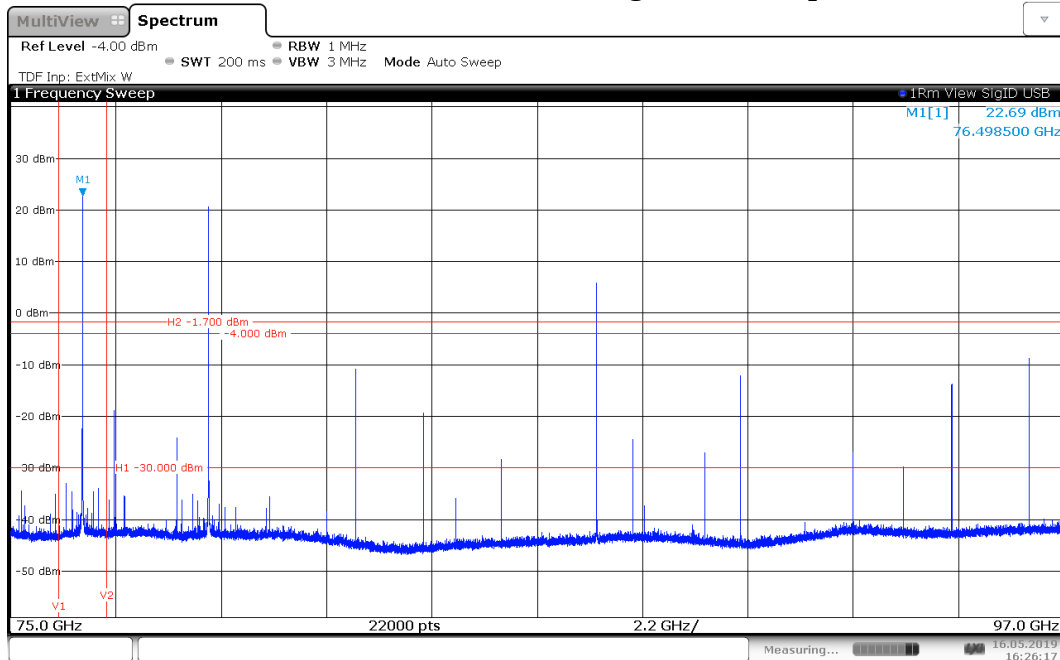
5.30. 75 GHz – 97 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_center



16:27:01 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

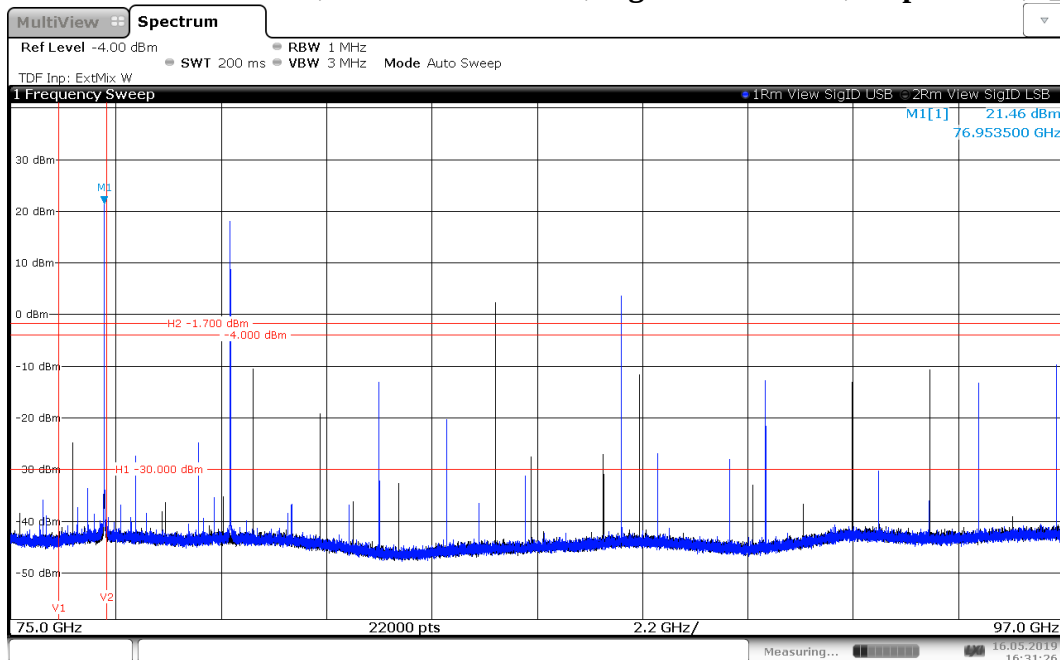
5.31. 75 GHz – 97 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_center



16:26:18 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

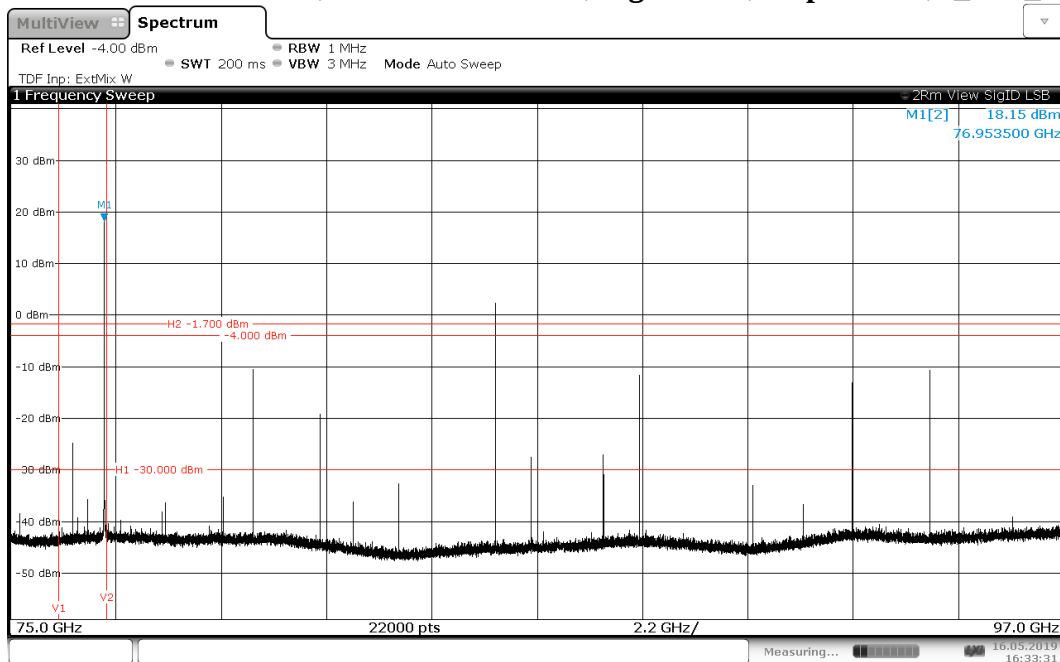
5.32. 75 GHz – 97 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_high



16:31:27 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

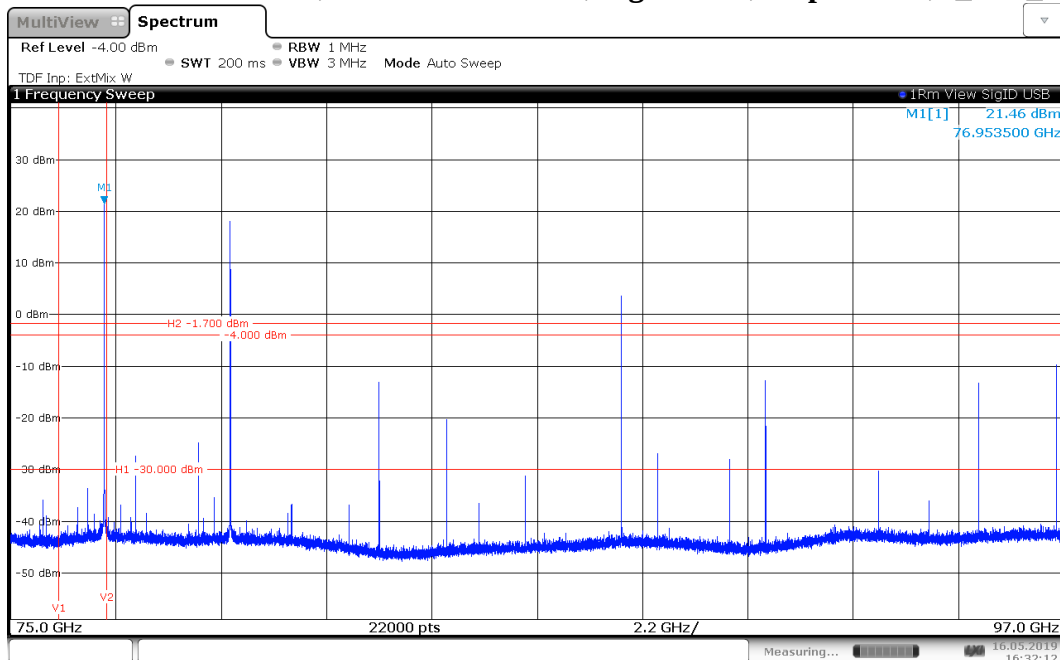
5.33. 75 GHz – 97 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_high



16:33:31 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSB traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

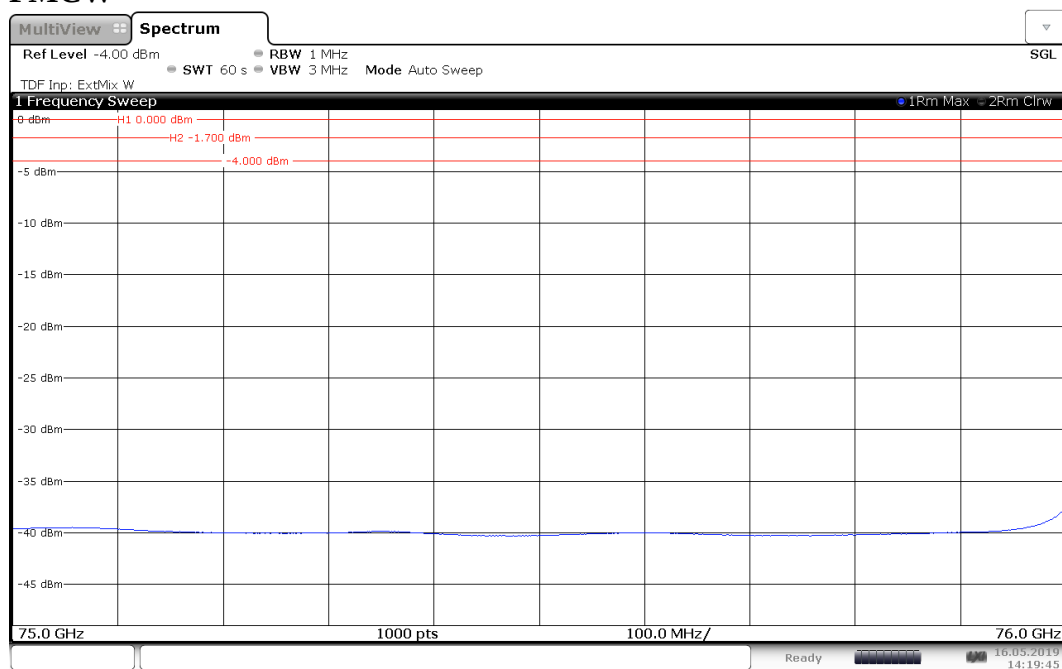
5.34. 75 GHz – 97 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_high



16:32:13 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSB traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

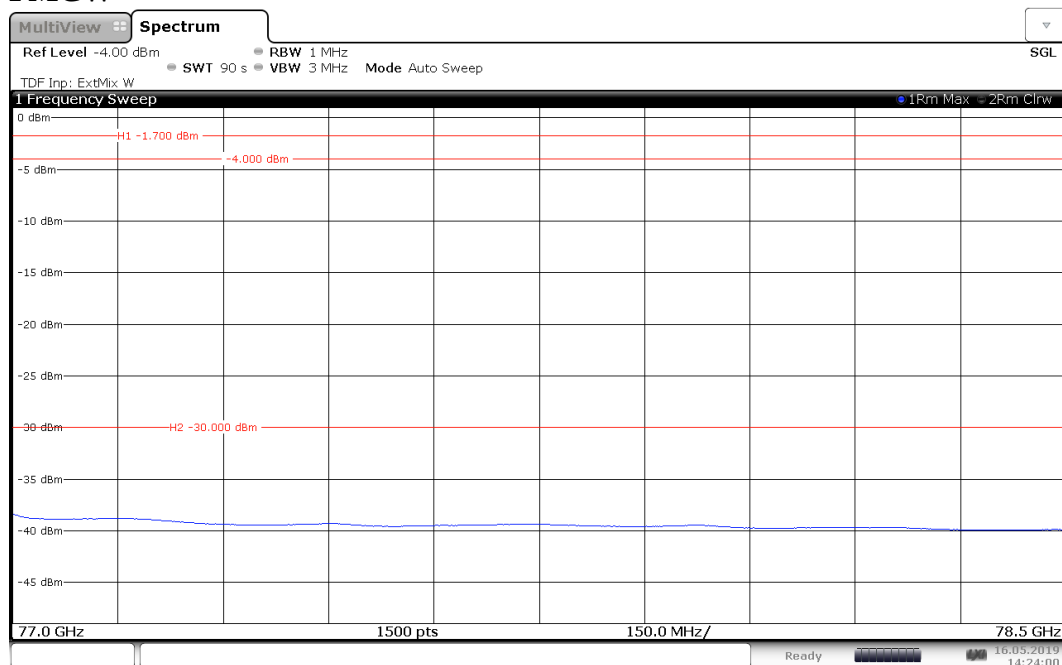
5.35. 75 GHz – 76 GHz, ANT HOR + VER, position with the highest power (RMS), FMCW



14:19:46 16.05.2019

*-4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and 0 dBm (ISED).

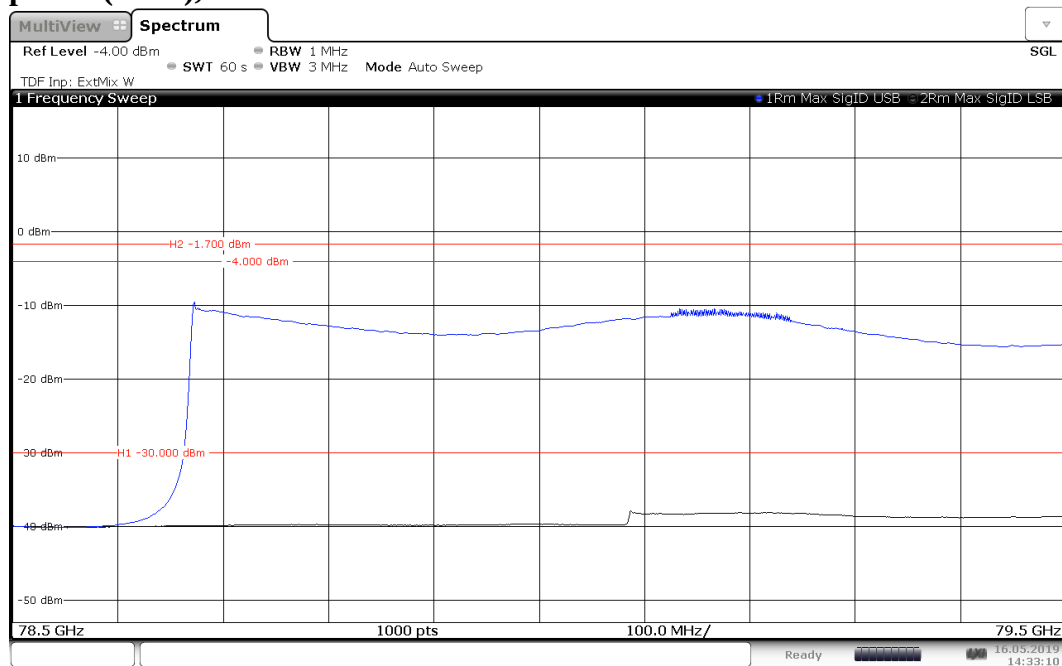
5.36. 77 GHz – 78.5 GHz, ANT HOR + VER, position with the highest power (RMS), FMCW



14:24:00 16.05.2019

* -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

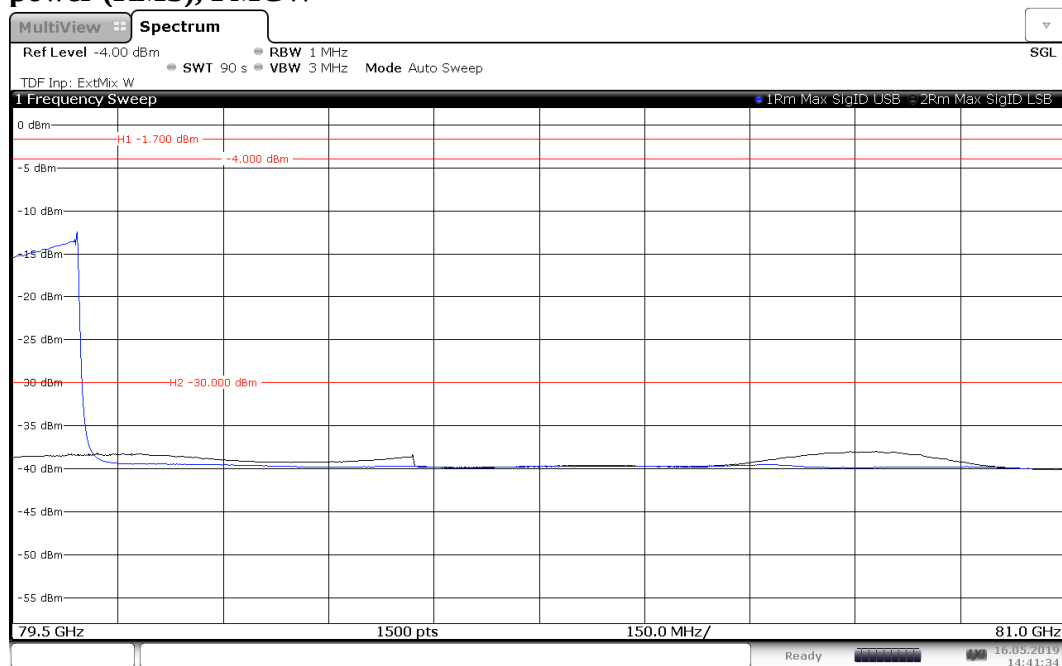
5.37. 78.5 GHz – 79.5 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



14:33:11 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

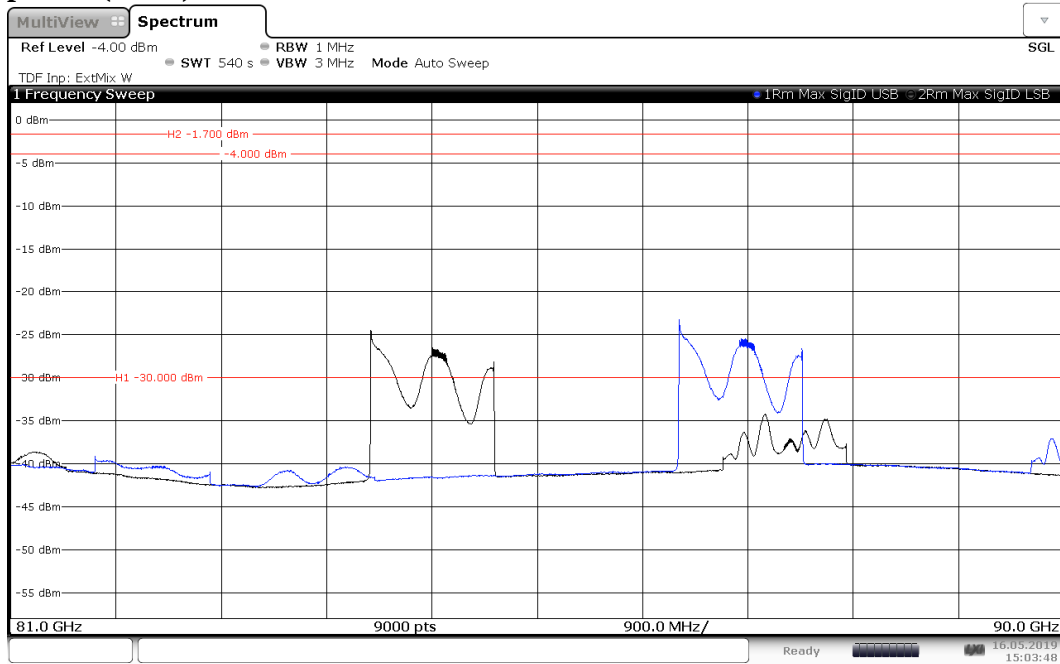
5.38. 79.5 GHz – 81 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



14:41:34 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

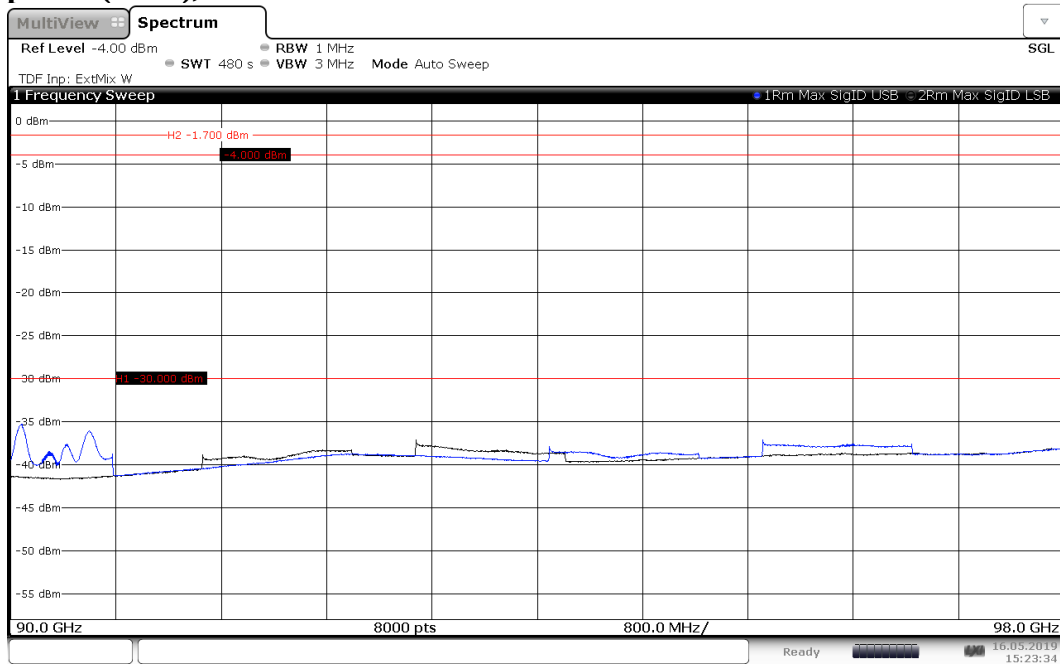
5.39. 81 GHz – 90 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



15:03:48 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

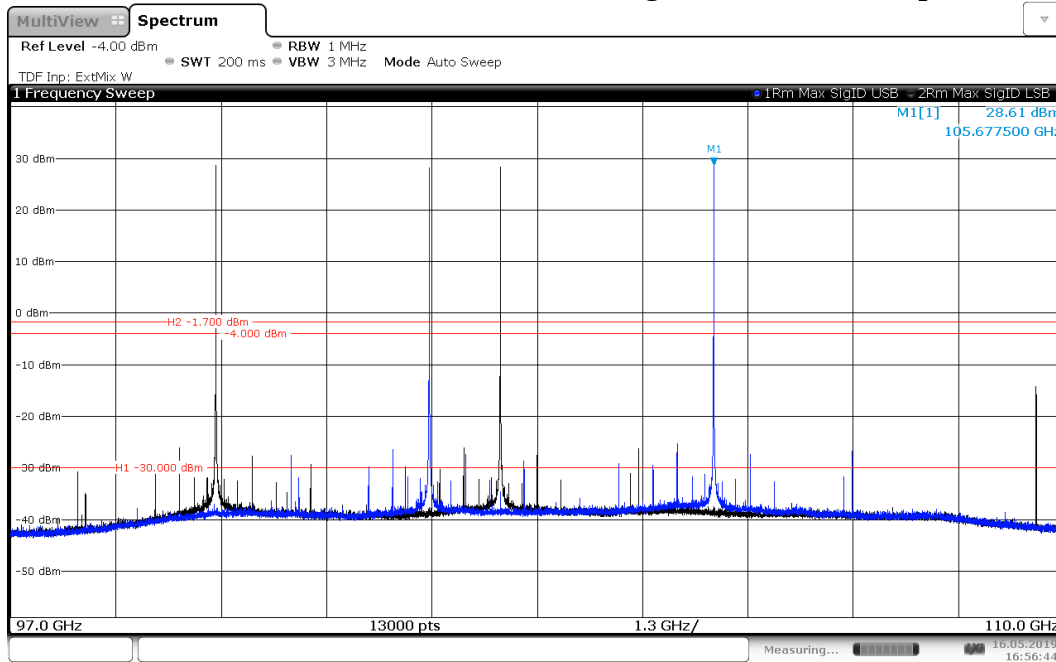
5.40. 90 GHz – 98 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



15:23:35 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

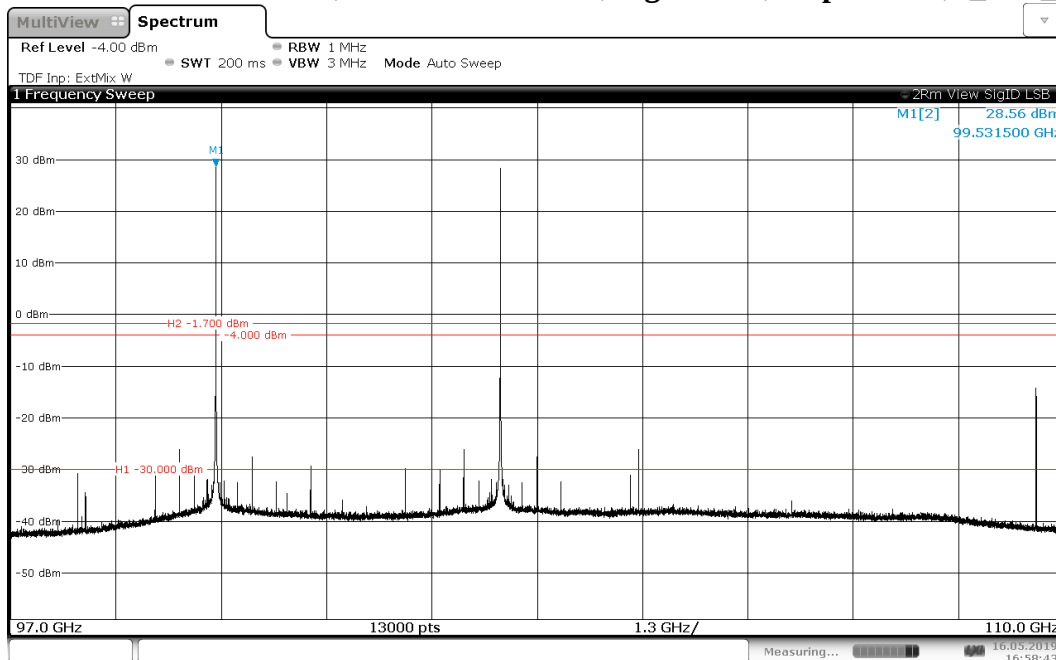
5.41. 97 GHz – 110 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_low



16:56:45 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

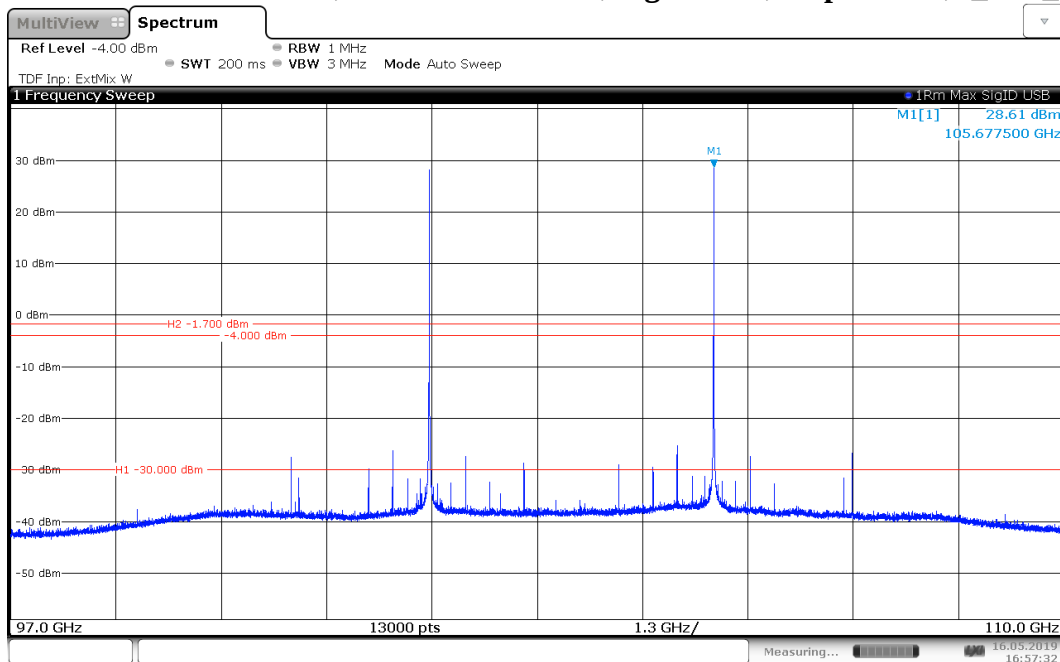
5.42. 97 GHz – 110 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_low



16:58:43 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

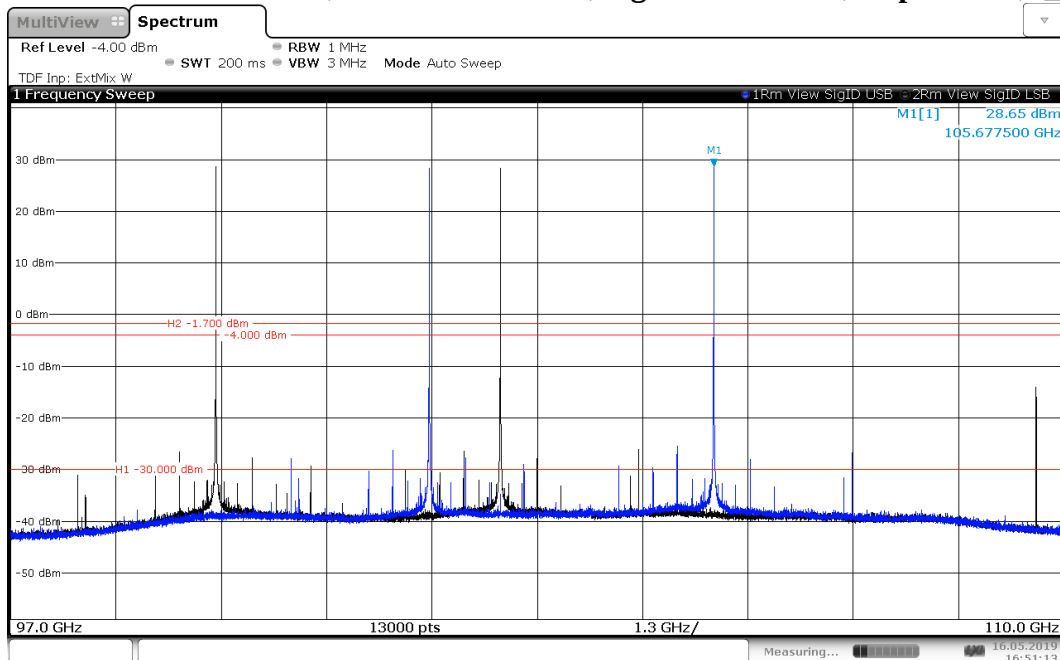
5.43. 97 GHz – 110 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_low



16:57:32 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

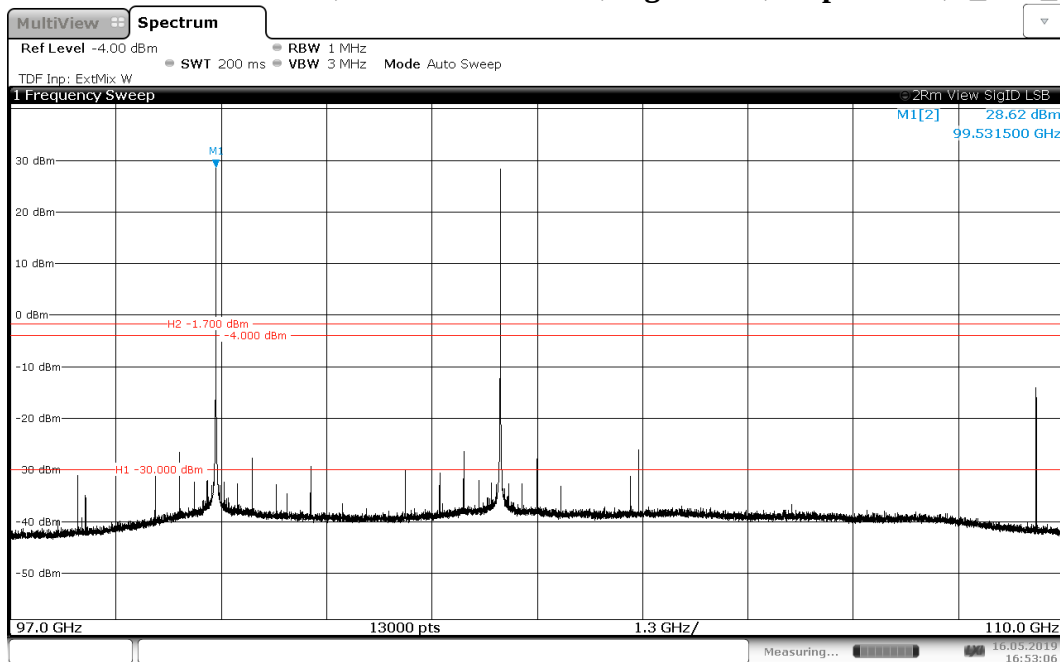
5.44. 97 GHz – 110 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_center



16:51:13 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

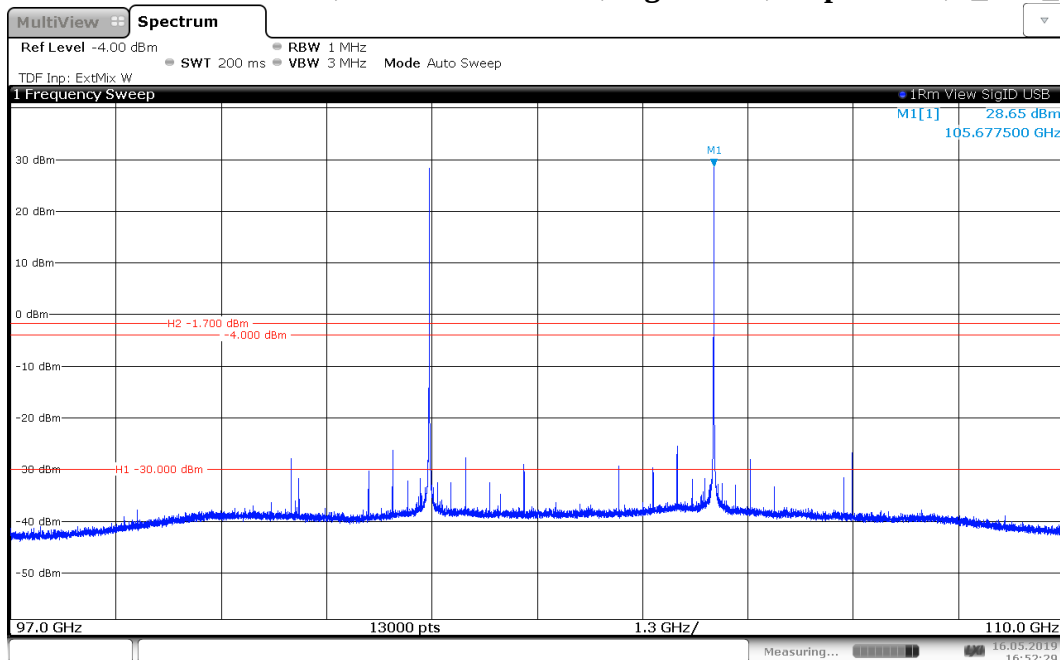
5.45. 97 GHz – 110 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_center



16:53:07 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

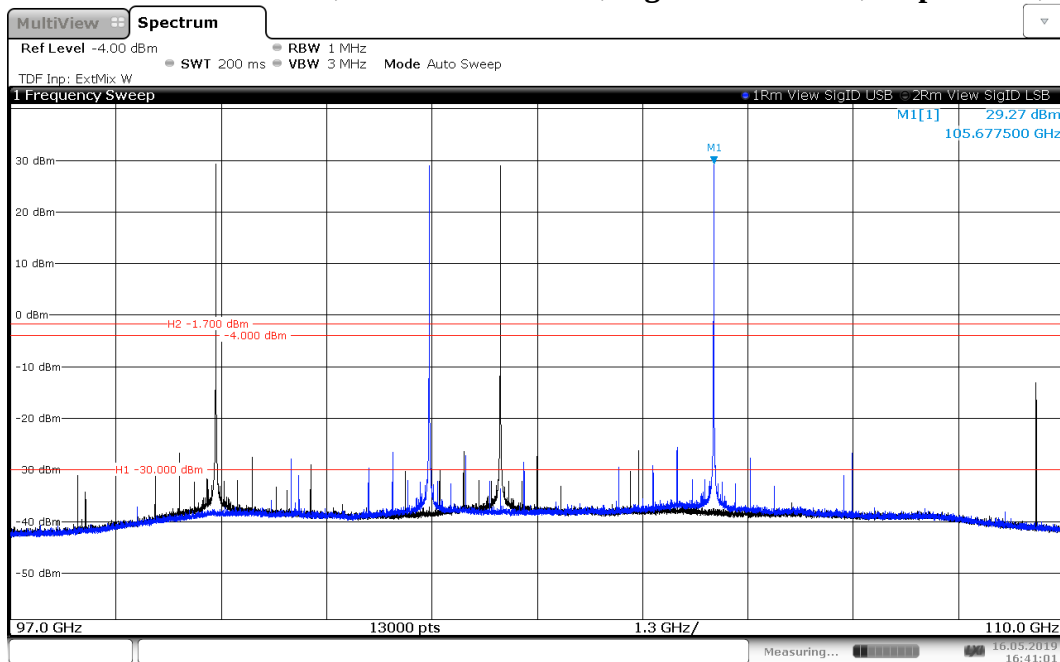
5.46. 97 GHz – 110 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_center



16:52:30 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

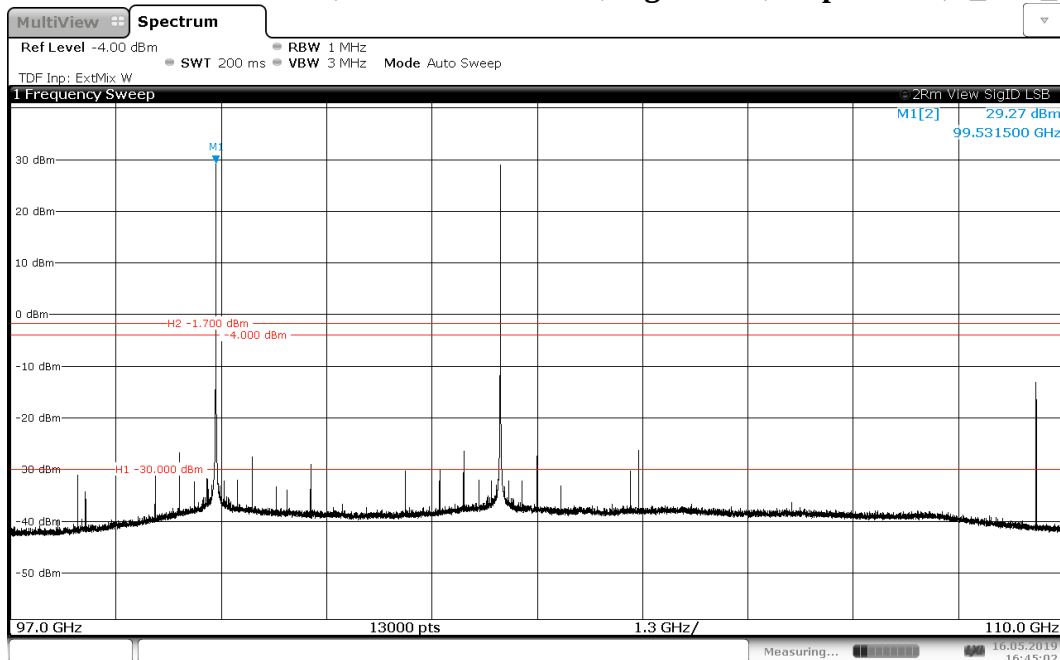
5.47. 97 GHz – 110 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_high



16:41:01 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

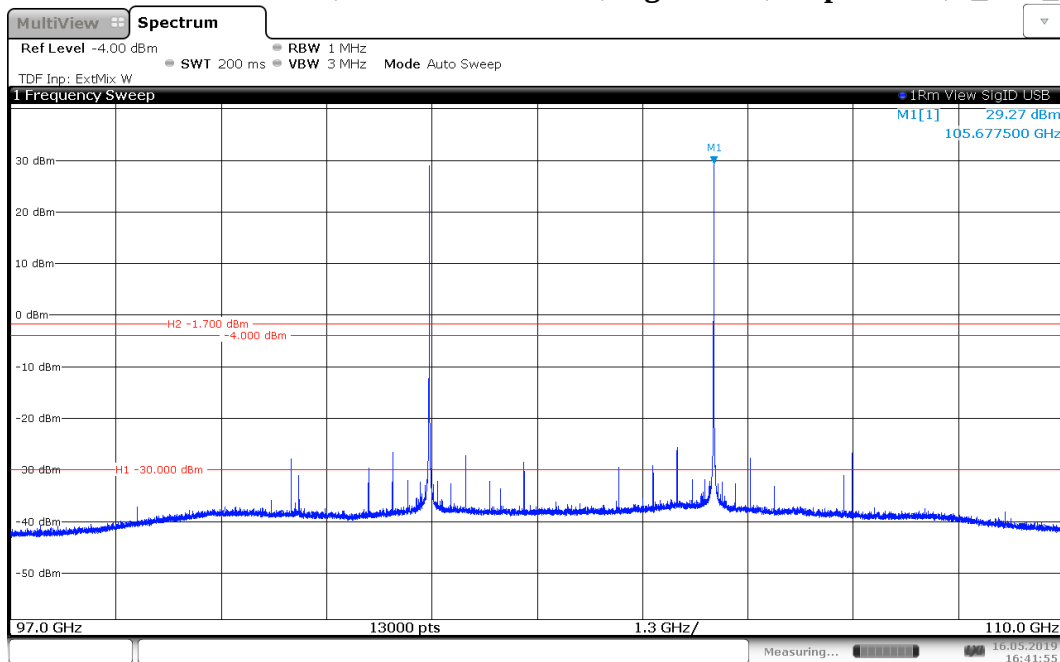
5.48. 97 GHz – 110 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_high



16:45:02 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

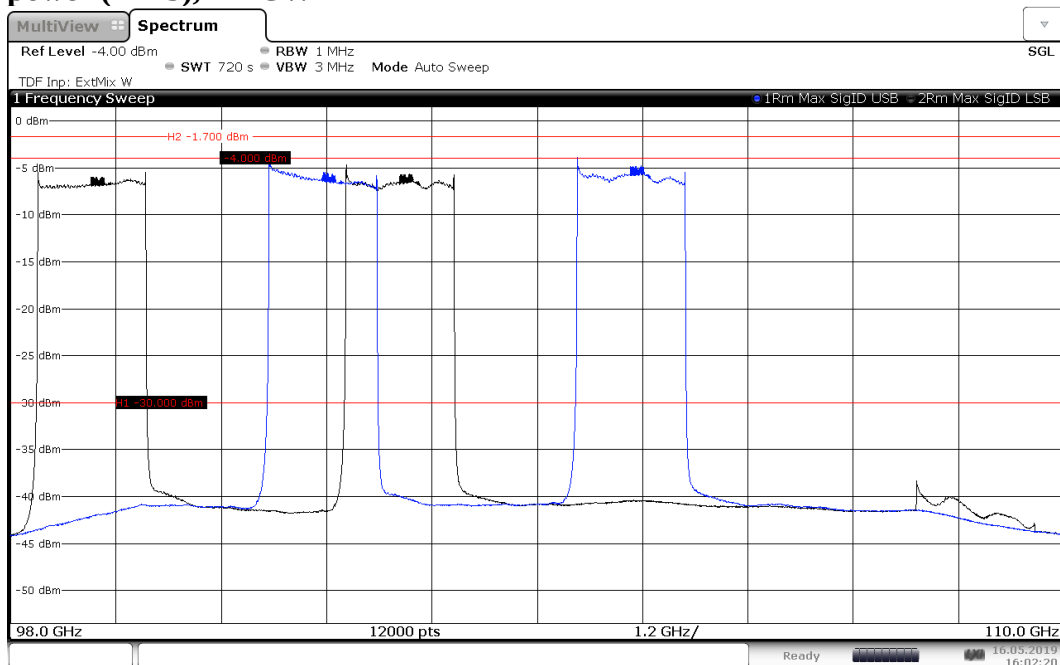
5.49. 97 GHz – 110 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_high



16:41:56 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

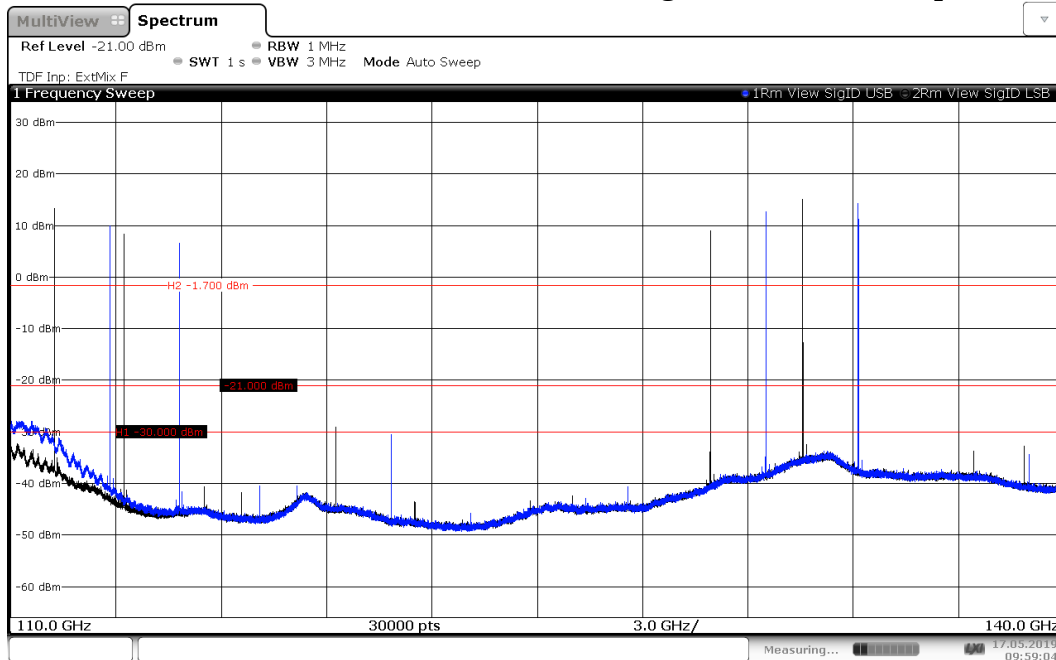
5.50. 98 GHz – 110 GHz, ANT HOR + VER, SigID USB+LSB, position with the highest power (RMS), FMCW



16:02:20 16.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -4 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

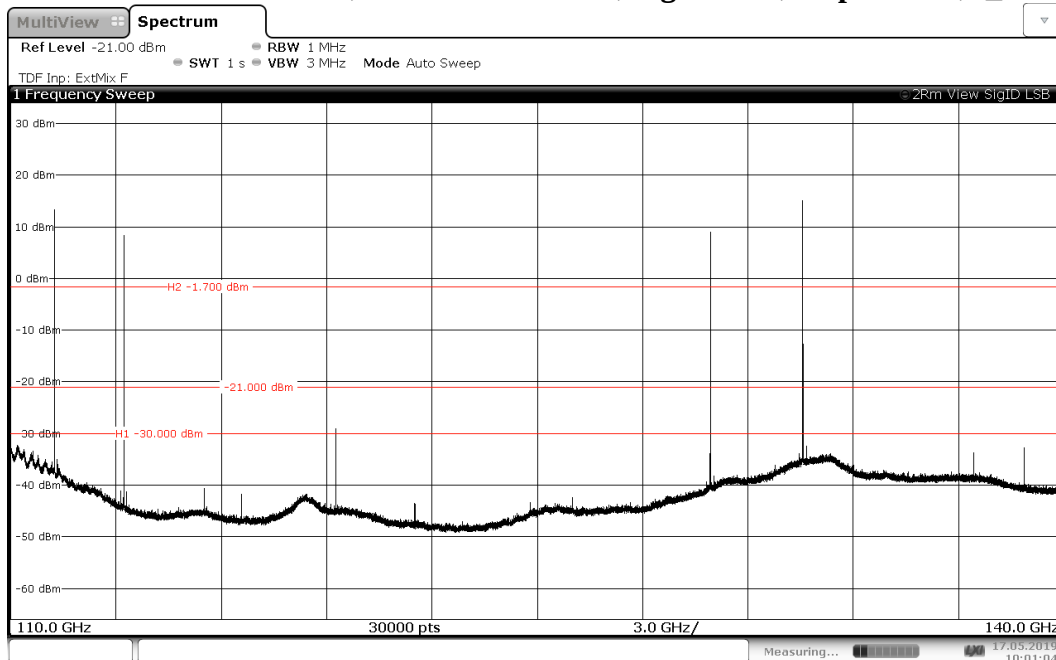
5.51. 110 GHz – 140 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_low



09:59:04 17.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

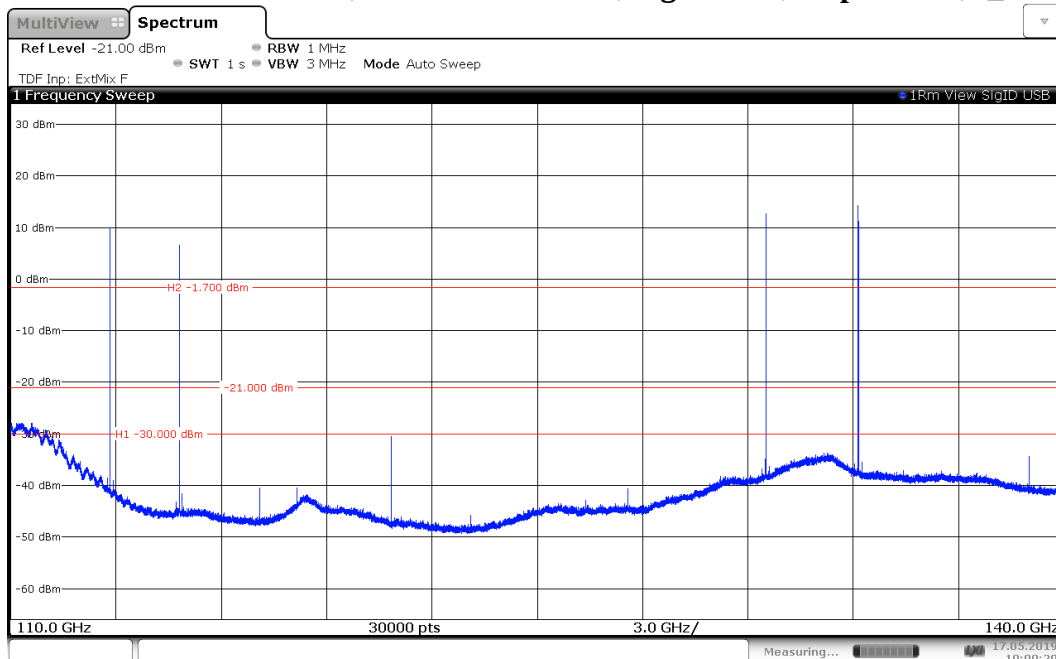
5.52. 110 GHz – 140 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_low



10:01:05 17.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

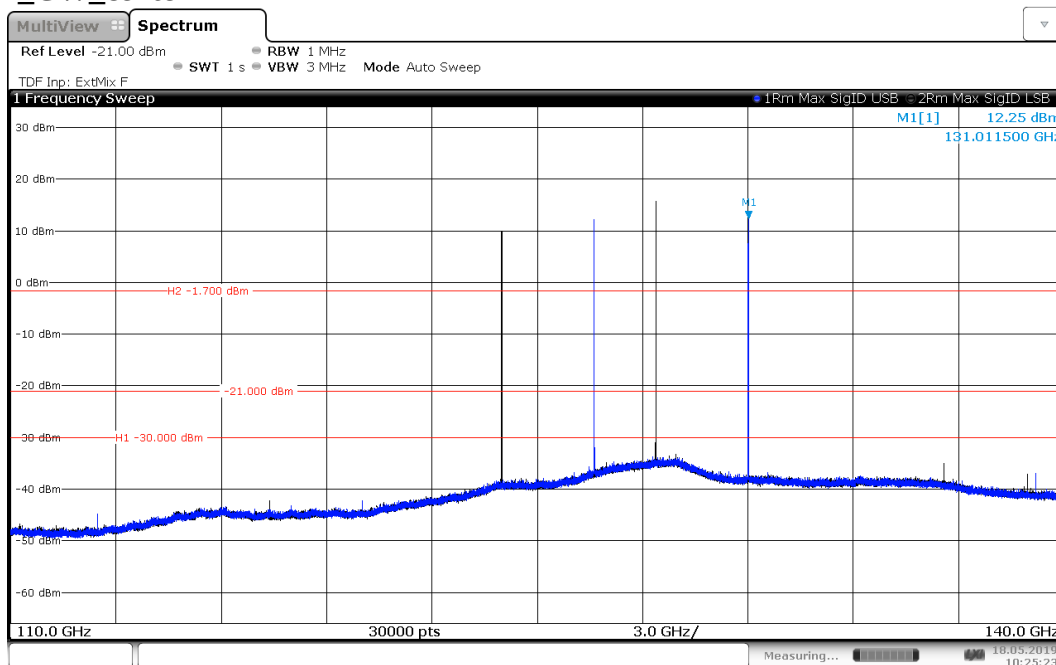
5.53. 110 GHz – 140 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_low



10:00:30 17.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

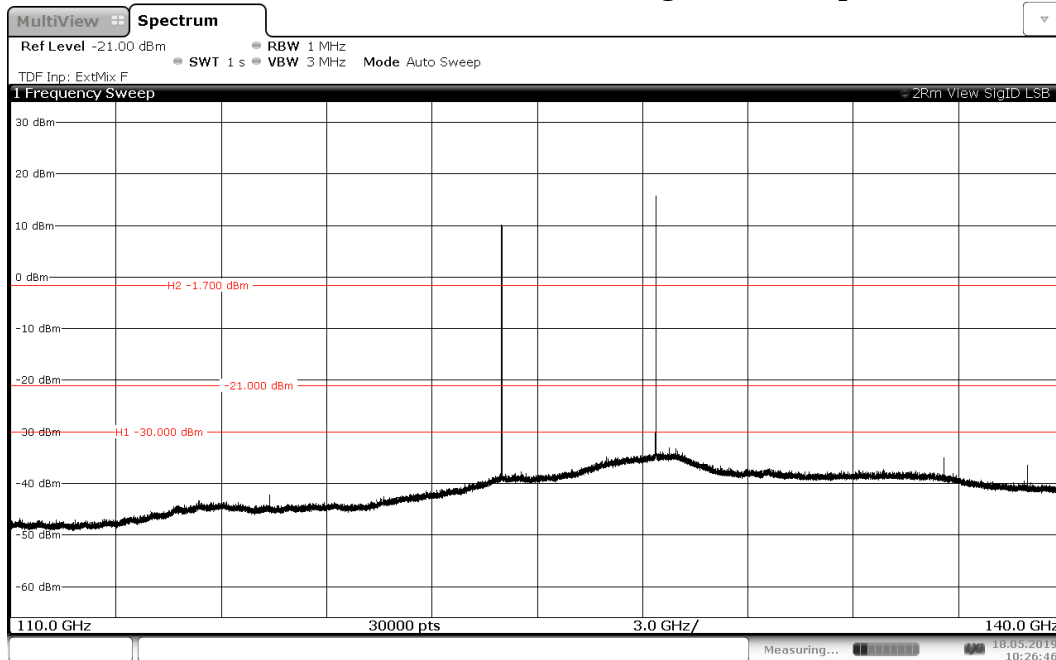
5.54. 110 GHz – 140 GHz, ANT HOR + VER, SigID USB + LSB, all positions, f_CW_center



10:25:23 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

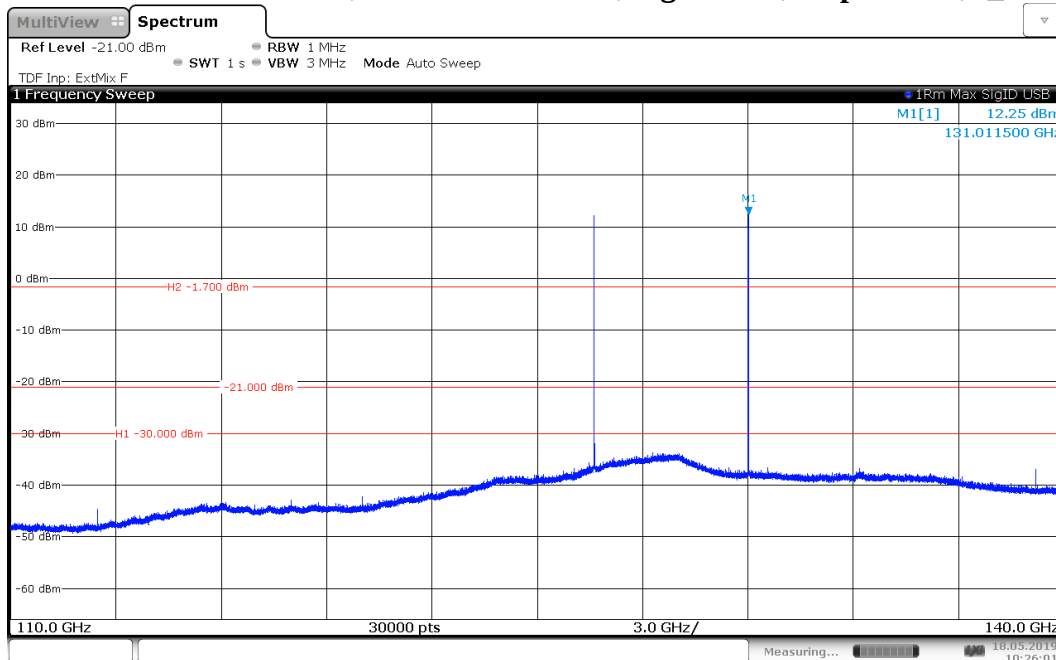
5.55. 110 GHz – 140 GHz, ANT HOR + VER, SigID LSB, all positions, f_CW_center



10:26:46 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).

5.56. 110 GHz – 140 GHz, ANT HOR + VER, SigID USB, all positions, f_CW_center



10:26:02 18.05.2019

* Signal ID function is used. The diagram shows image signals and mixer products. The real input signal is shown, only when USB and LSD traces have the same position on the frequency axis => Apart from the noise floor no real input signal was observed. See subsection 5.8.6. in the main report. -21 dBm is only a reference line from the FSW67. Limit is -1.7 dBm (FCC) and -30 dBm (ISED).