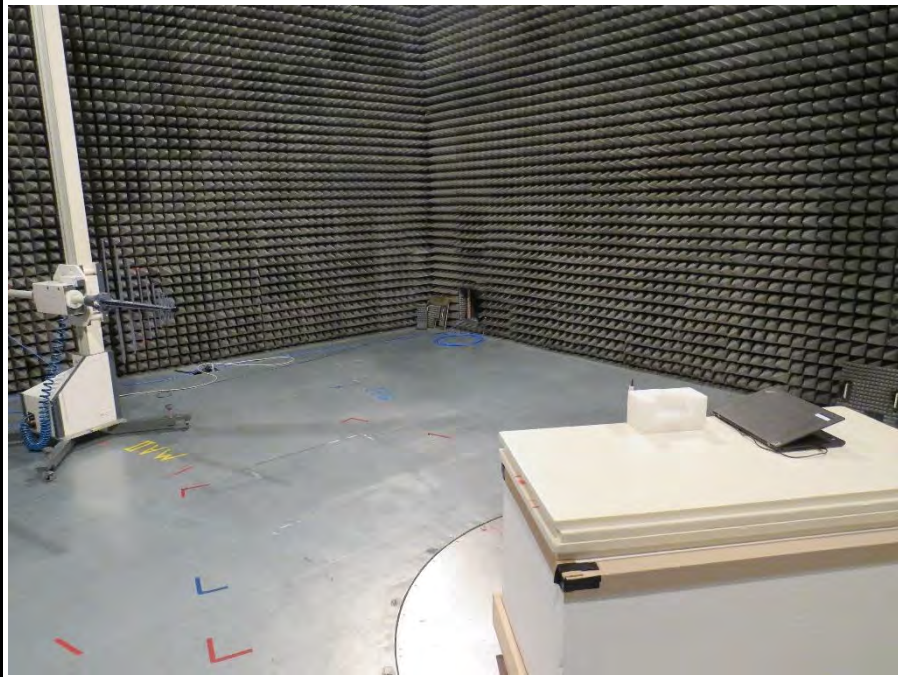
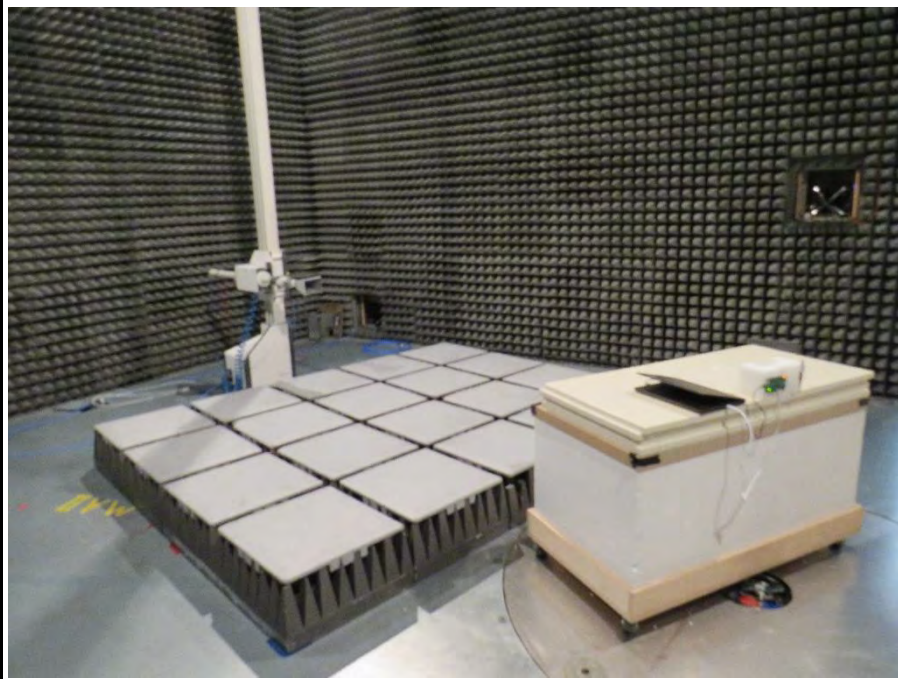


3.9.7 Setup Photos

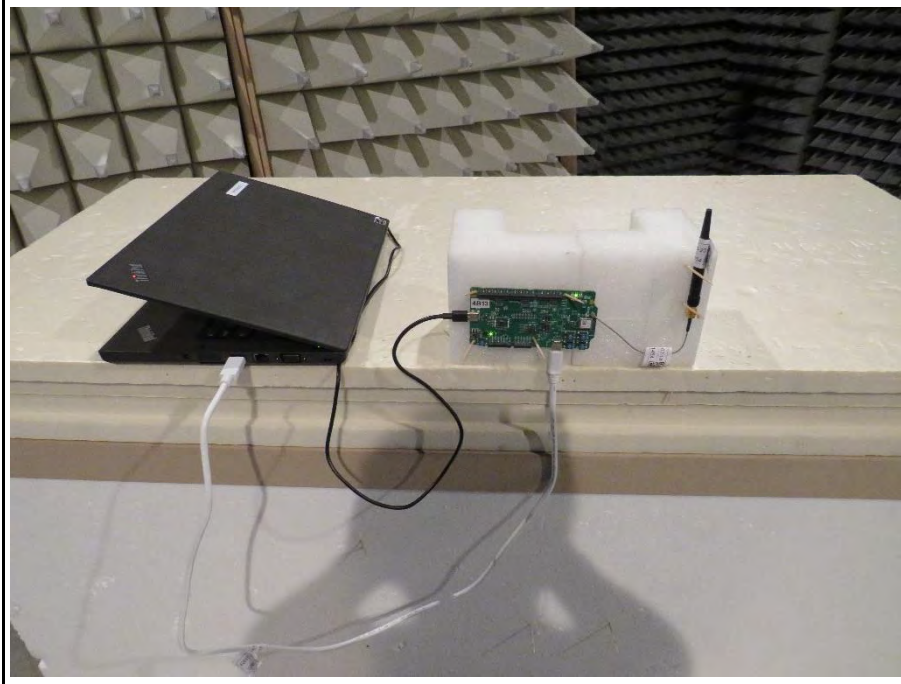
Setup for measurements below 1 GHz (NORA-W101)



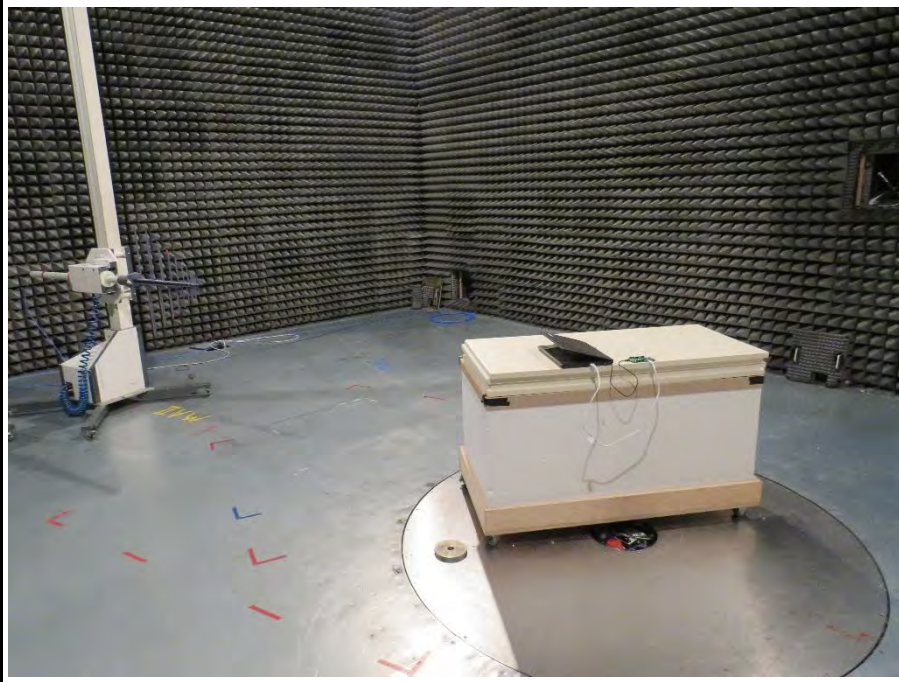
Setup for measurements above 1 GHz (NORA-W101)



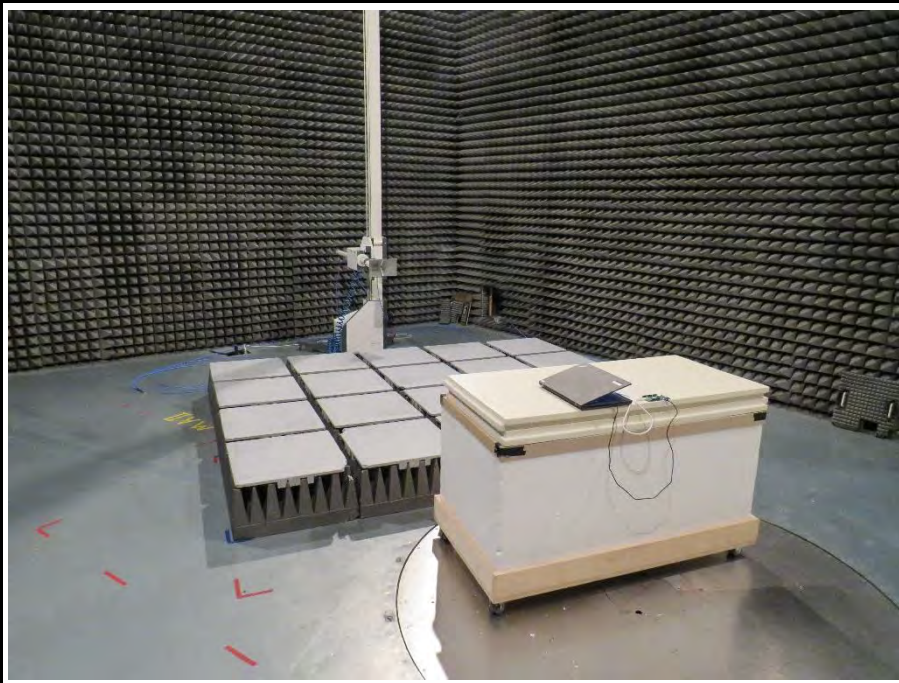
EUT Test Setup (NORA-W101)



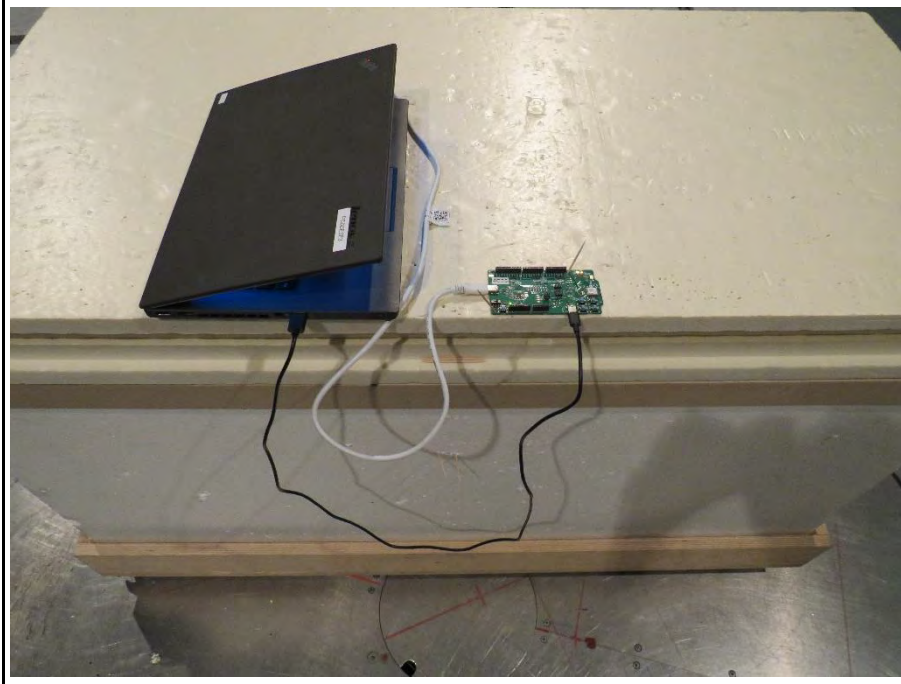
Setup for measurements below 1 GHz for Variant 1 (NORA-W106 with PCB antenna)



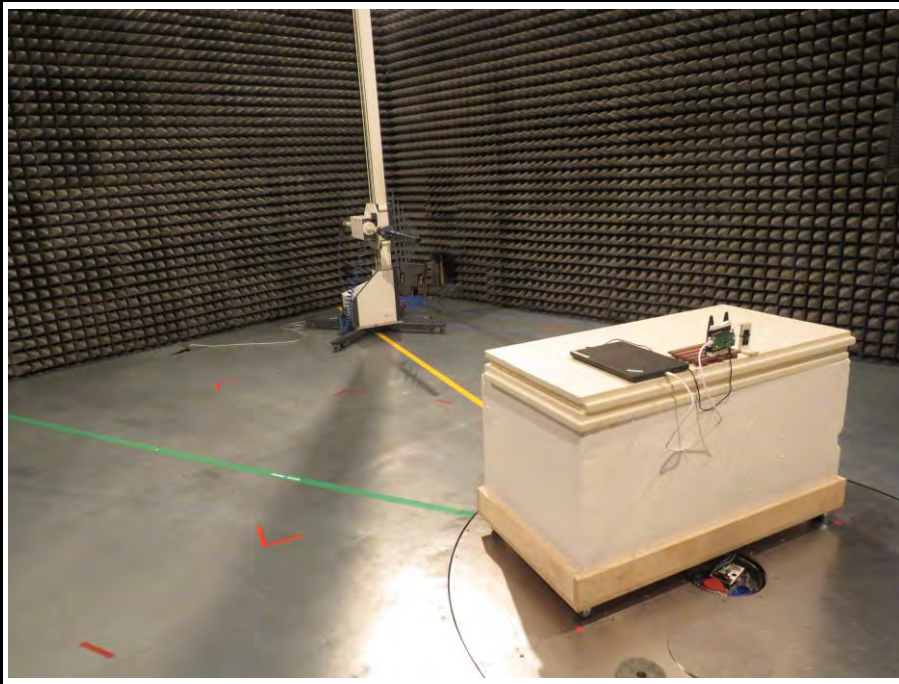
Setup for measurements above 1 GHz for Variant 1 (NORA-W106 with PCB antenna)



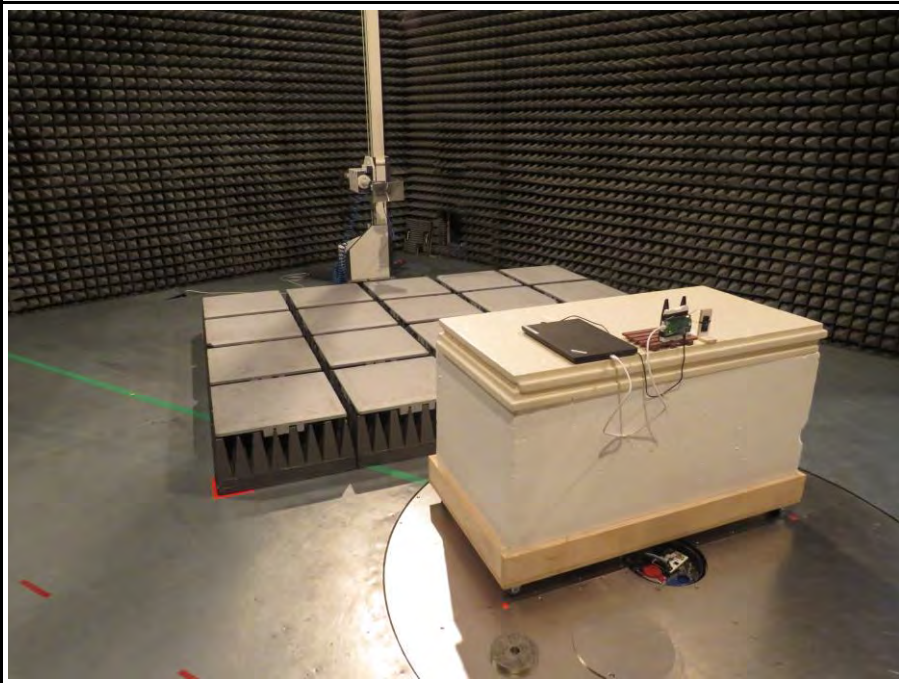
EUT Test Setup for Variant 1 (NORA-W106 with PCB antenna)



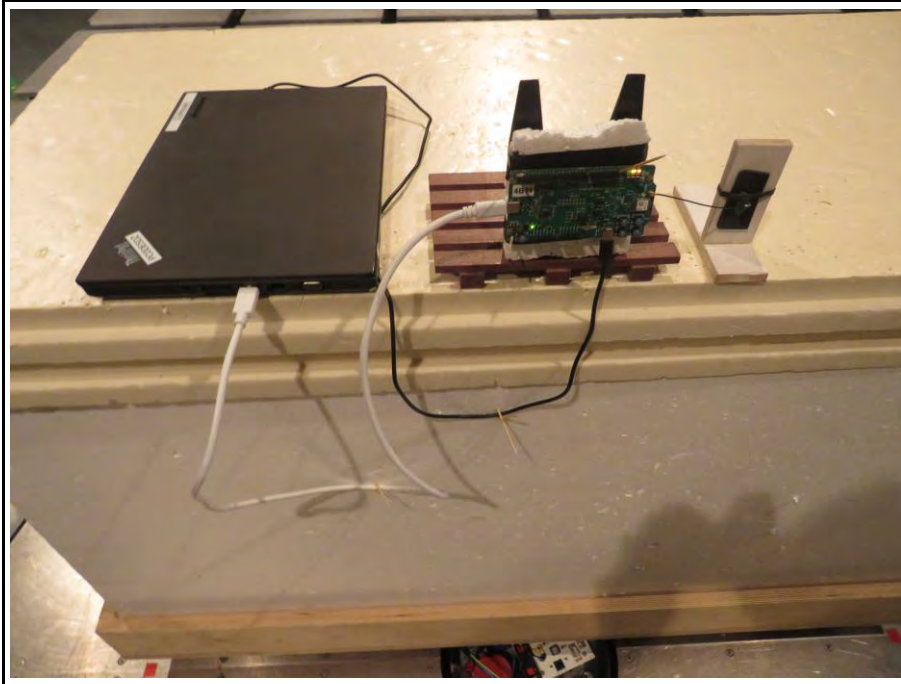
Setup for measurements below 1 GHz for Variant 2 (NORA-W101 with external antenna PN PRO-IS-237)



Setup for measurements above 1 GHz for Variant 2 (NORA-W101 with external antenna PN PRO-IS-237)



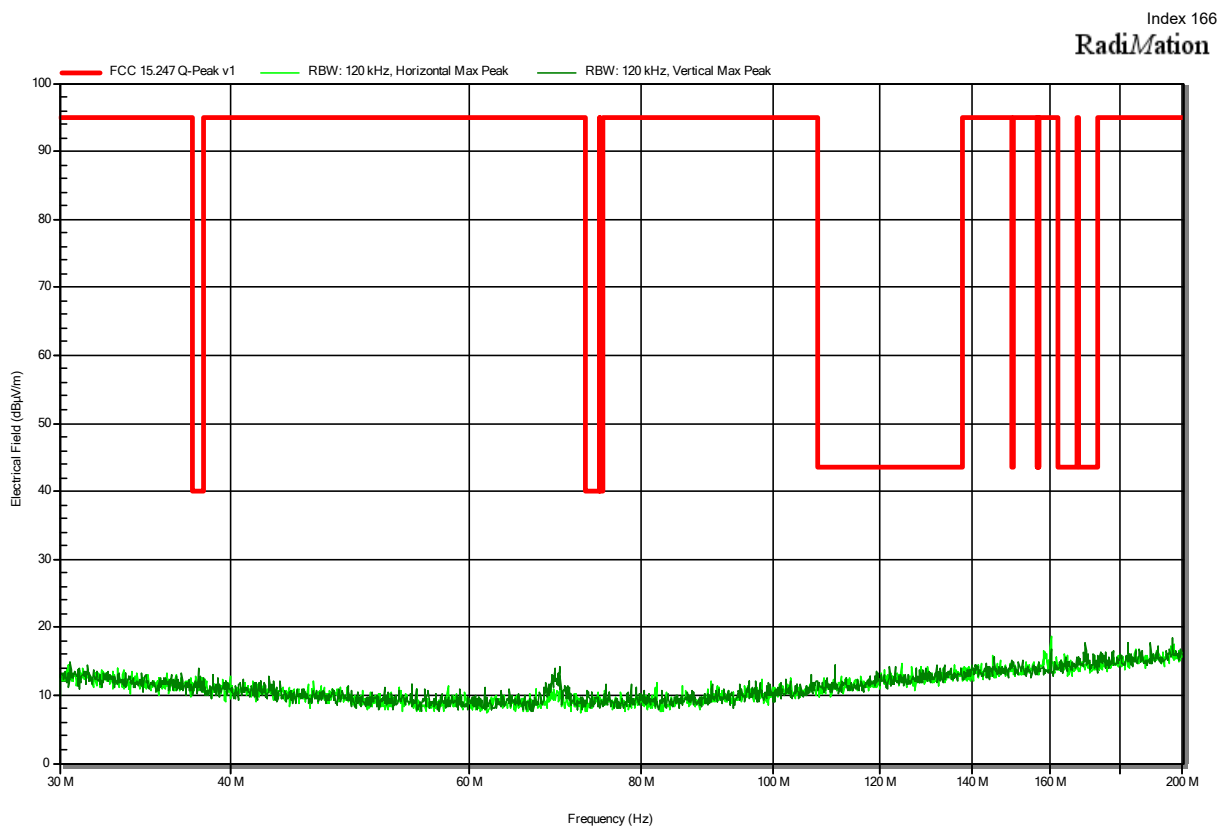
EUT Test Setup for Variant 2 (NORA-W101 with external antenna PN PRO-IS-237)



ANNEX A Transmitter spurious emissions

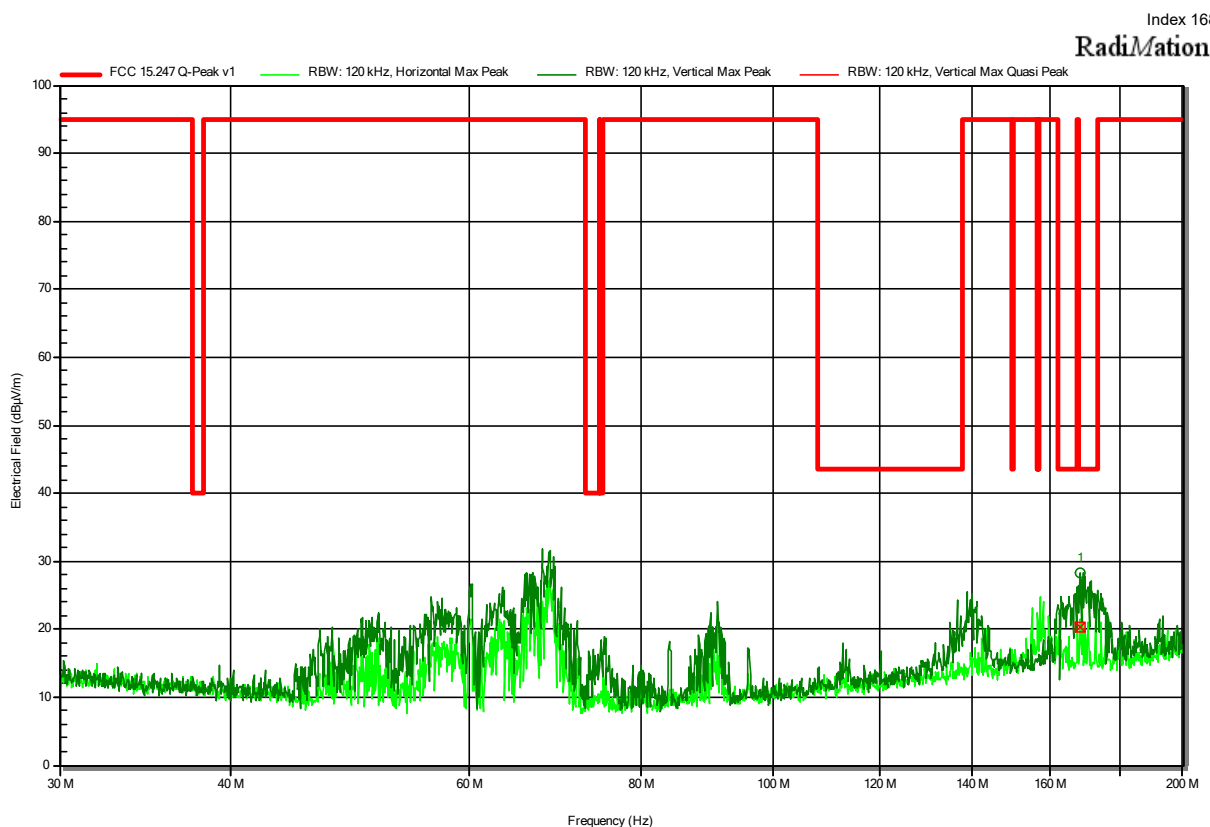
Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-02
 Note:



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

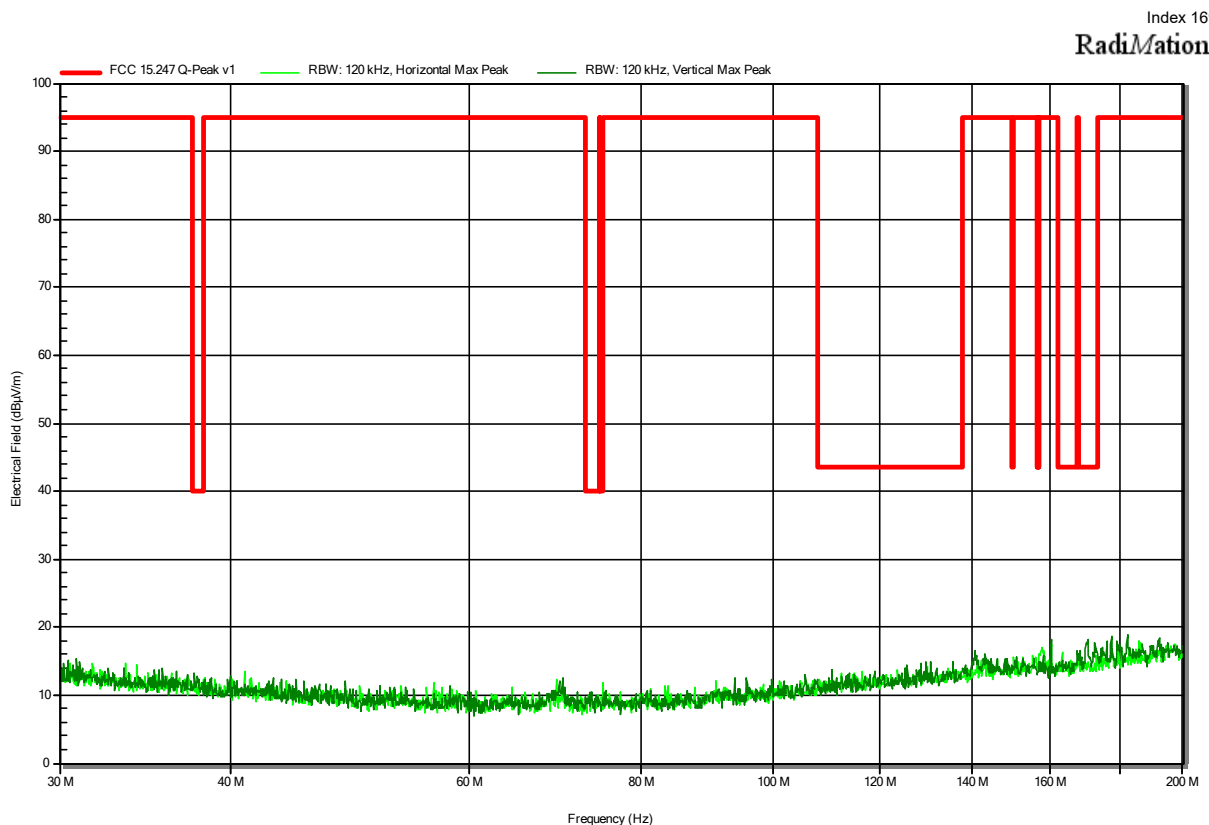
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-02
 Note:



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
168.0528 MHz	20.2 dBµV/m	43.5 dBµV/m	-23.3 dB	Pass	Vertical

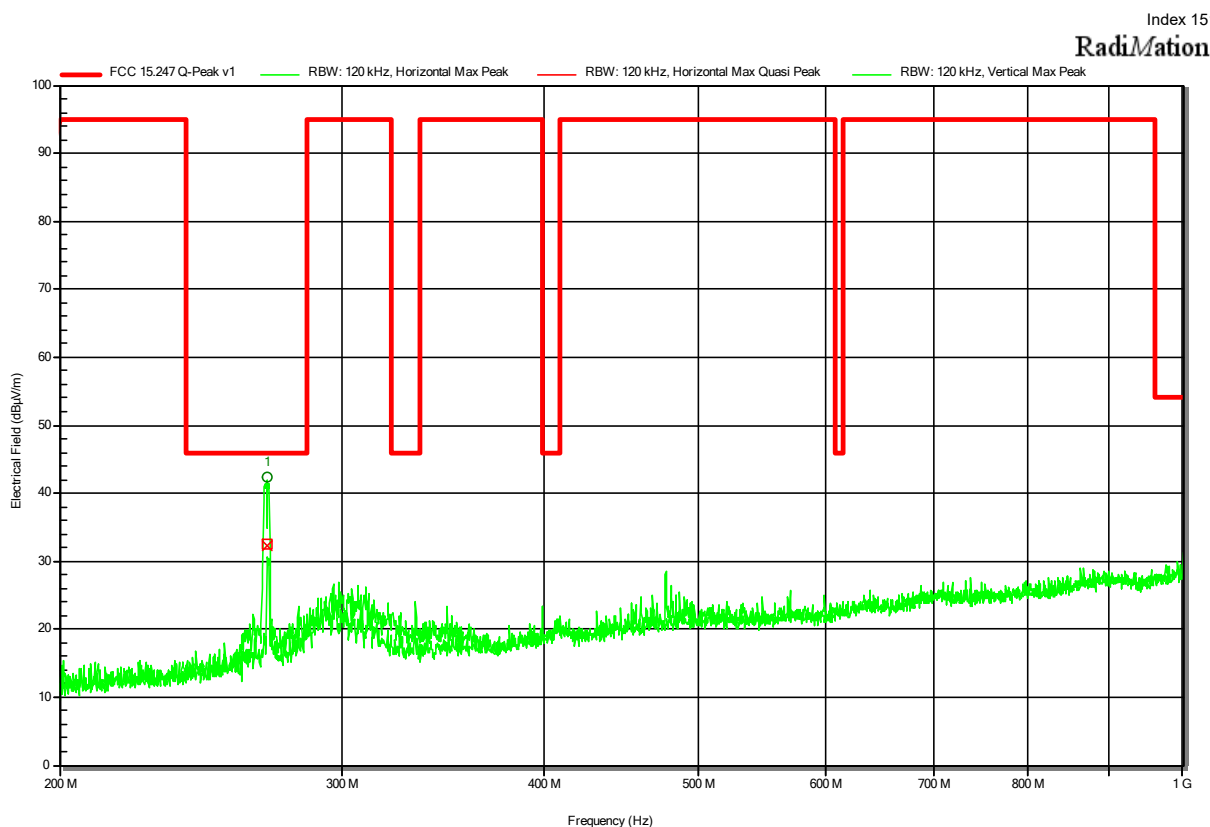
Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-02
 Note:



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

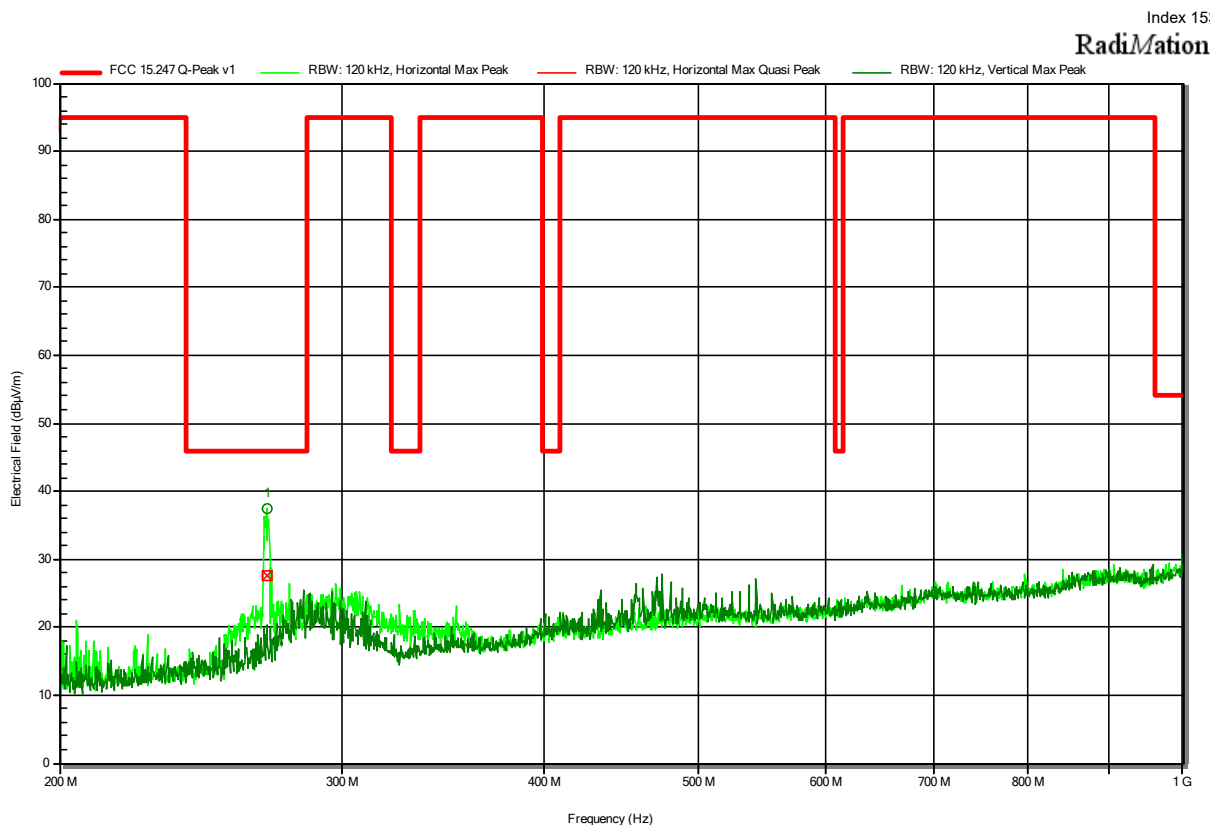
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
269.1596 MHz	32.5 dBμV/m	46 dBμV/m	-13.53 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

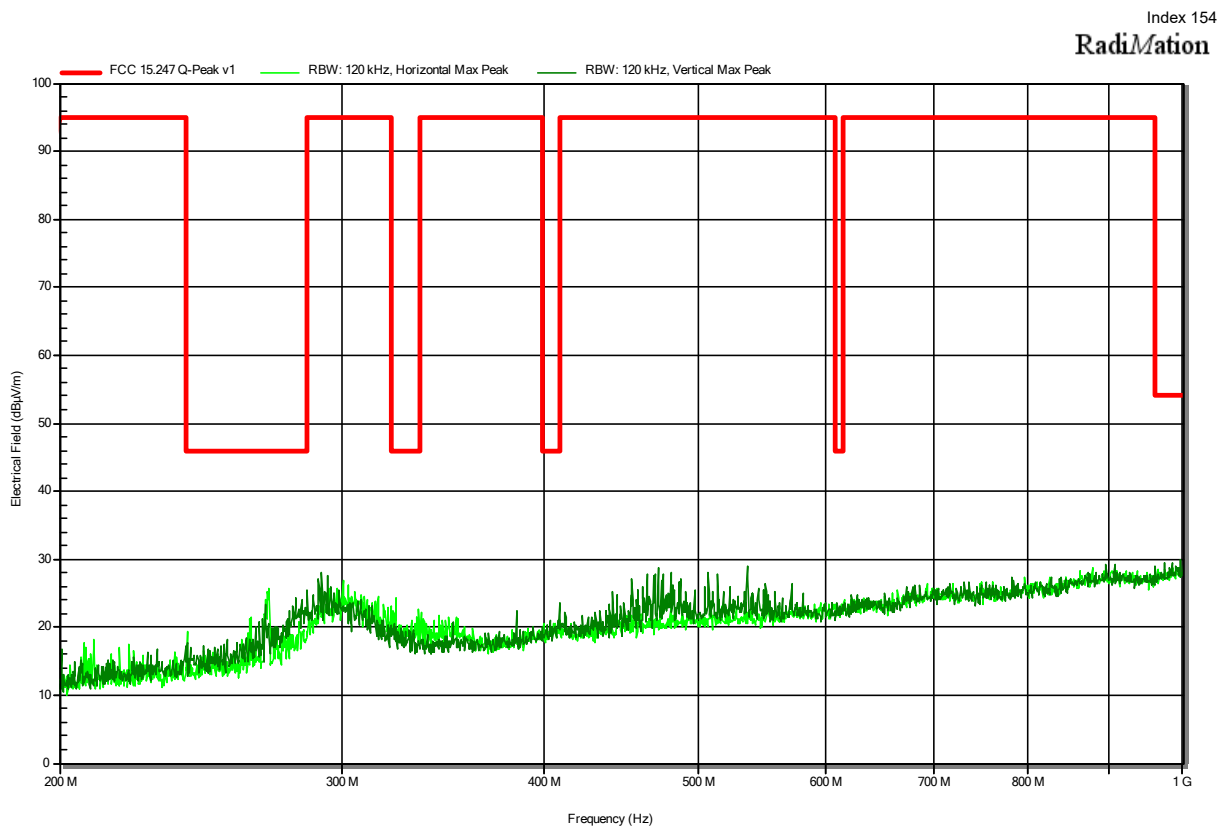
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
269.0225 MHz	27.7 dBμV/m	46 dBμV/m	-18.3 dB	Pass	Horizontal

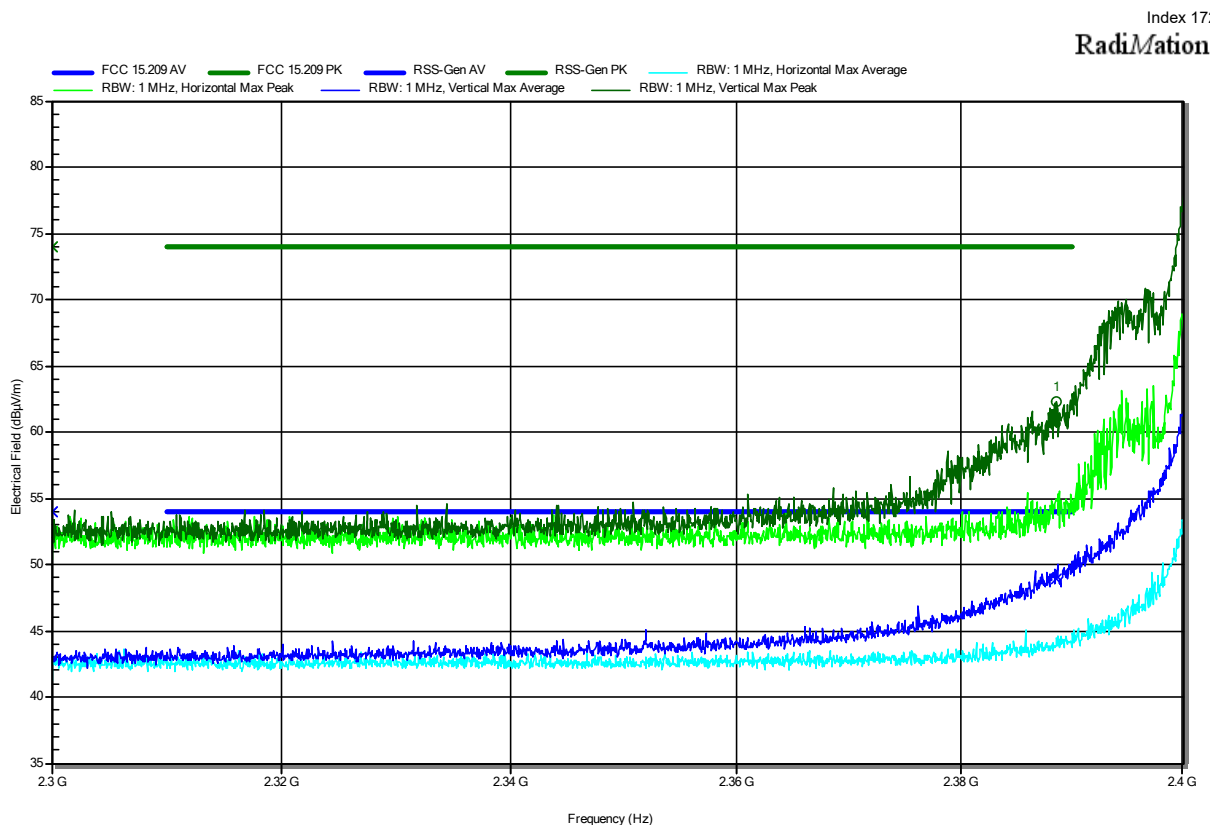
Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-02
 Note: lower bandedge



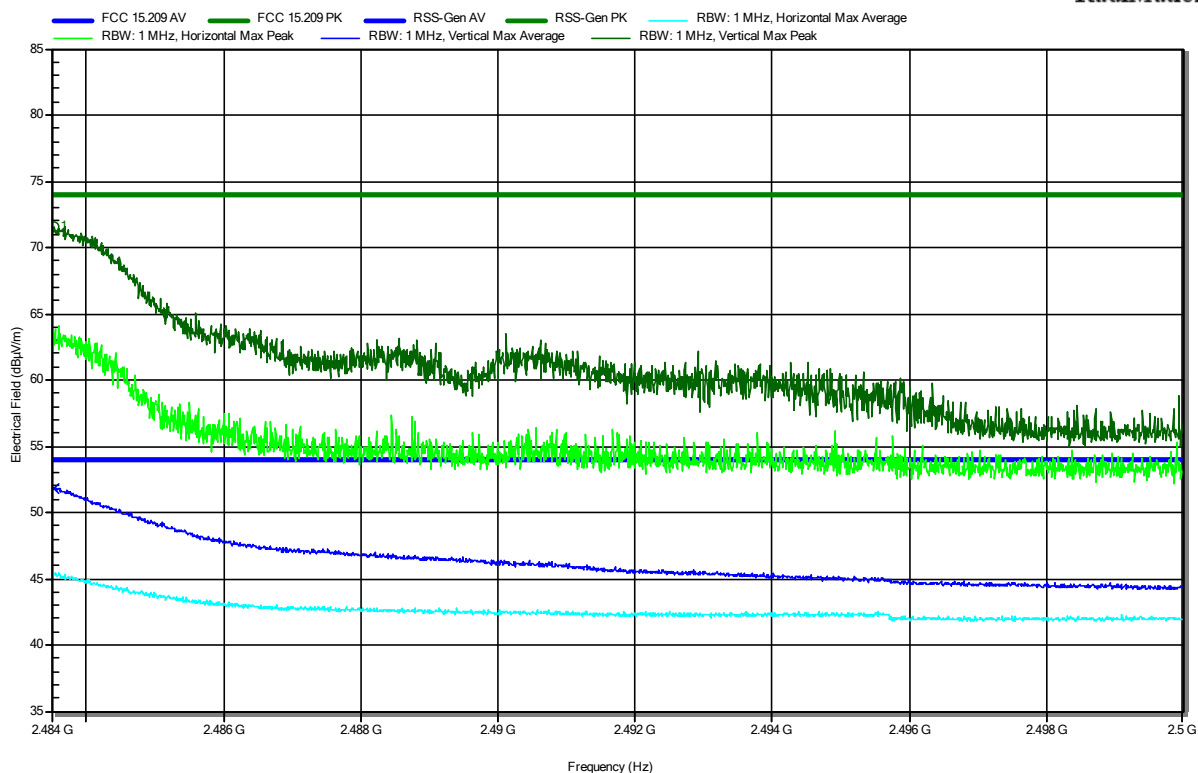
Frequency 2.3886 GHz	Peak 62.23 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -11.77 dB	Peak Status Pass	Polarization Vertical
Frequency 2.3886 GHz	Average 48.96 dBμV/m	Average Limit 54 dBμV/m	Average Difference -5.04 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-02
 Note: upper bandedge

Index 171

RadiMation



Frequency 2.4835 GHz	Peak 71.53 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -2.47 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4835 GHz	Average 51.8 dBμV/m	Average Limit 54 dBμV/m	Average Difference -2.2 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

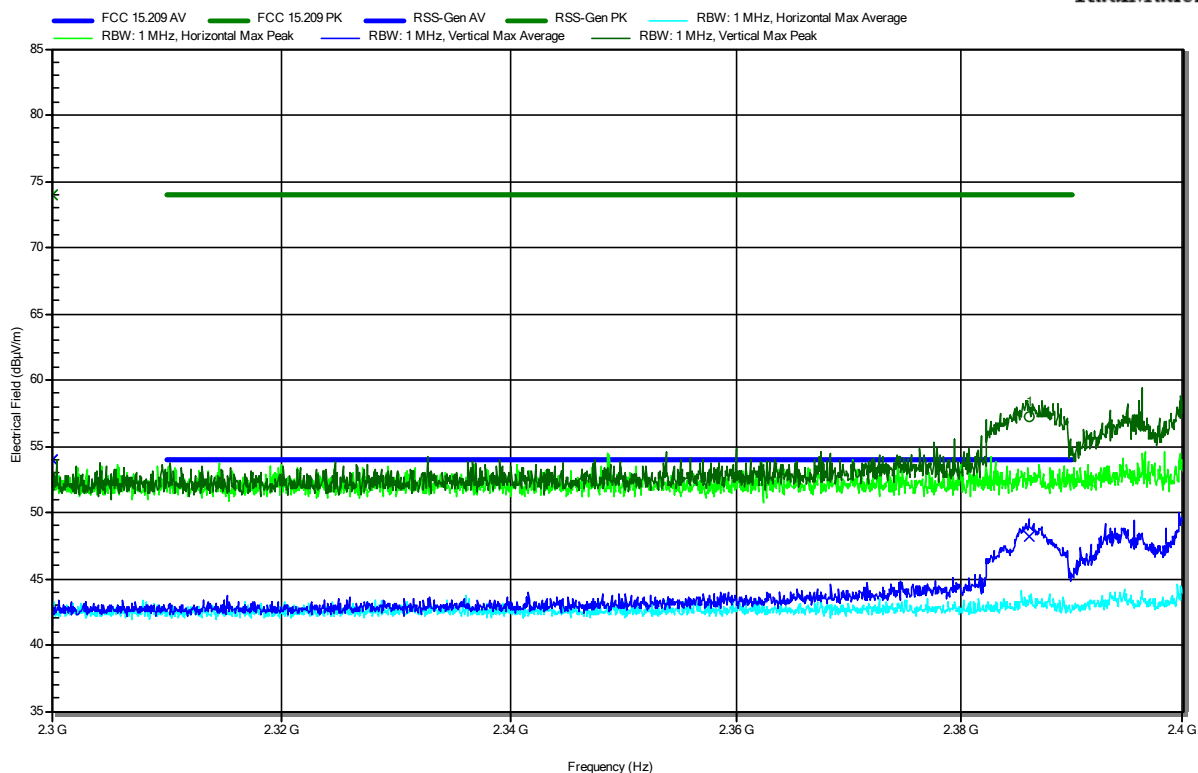
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-09
 Note: lower bandedge

Index 176

RadiMation



Frequency 2.3861 GHz	Peak 57.28 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -16.72 dB	Peak Status Pass	Polarization Vertical
Frequency 2.3861 GHz	Average 48.14 dBμV/m	Average Limit 54 dBμV/m	Average Difference -5.86 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

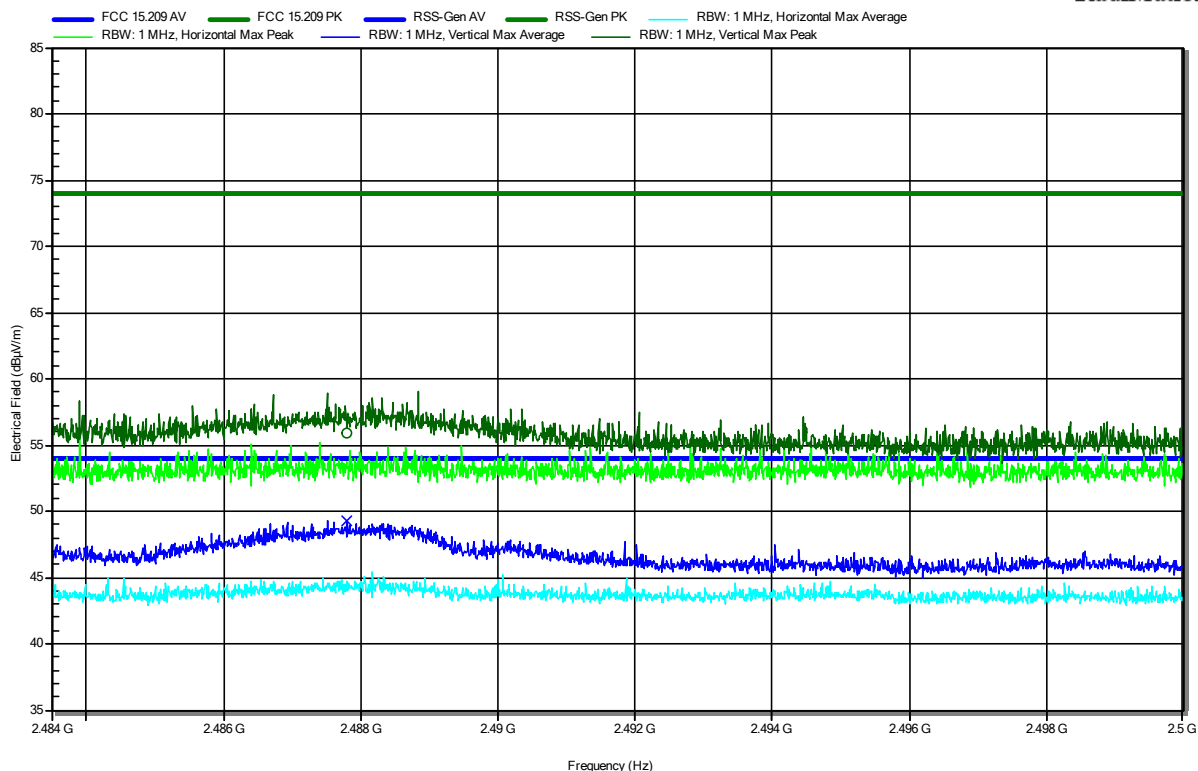
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1Mbps; CH 11_2462 MHz; DSSS; BW20
 Test Date: 2022-09-02
 Note: upper bandedge

Index 175

RadiMation



Frequency 2.4878 GHz	Peak 55.89 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -18.11 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4878 GHz	Average 49.27 dBμV/m	Average Limit 54 dBμV/m	Average Difference -4.73 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

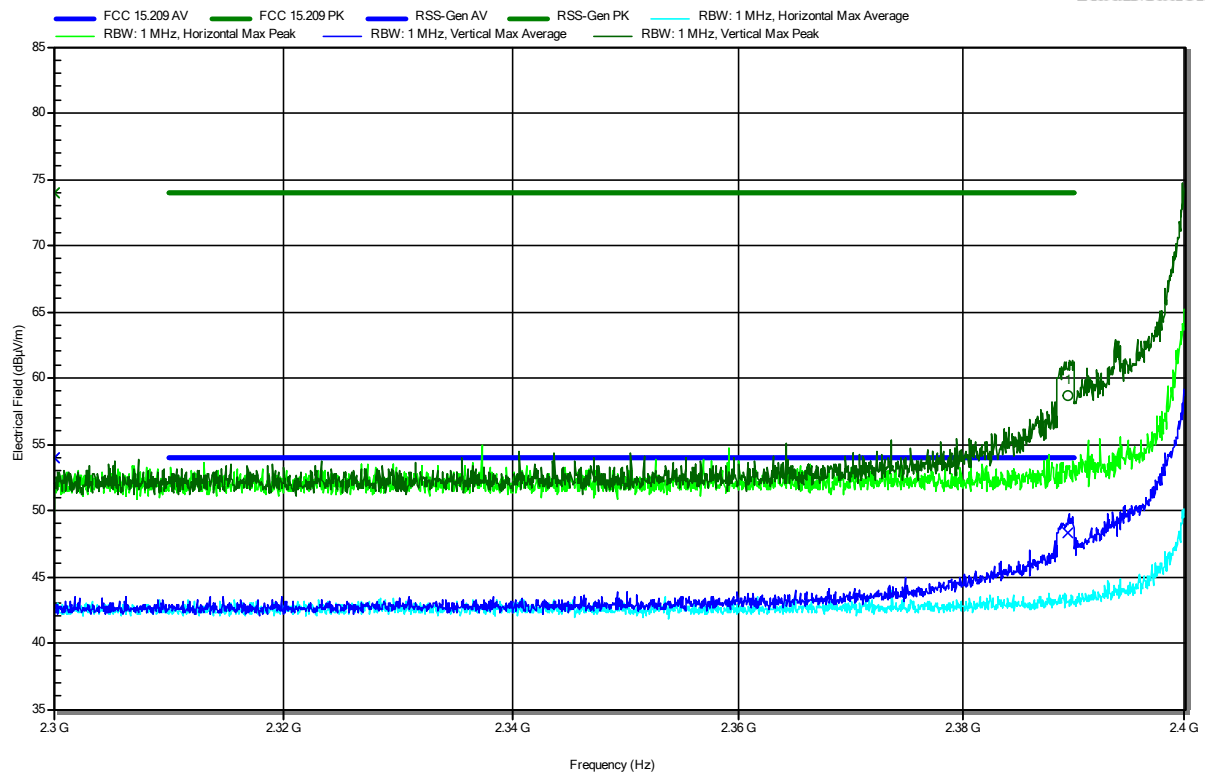
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note: lower bandedge

Index 178

RadiMation



Frequency 2.3895 GHz	Peak 58.68 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -15.32 dB	Peak Status Pass	Polarization Vertical
Frequency 2.3895 GHz	Average 48.31 dBμV/m	Average Limit 54 dBμV/m	Average Difference -5.69 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

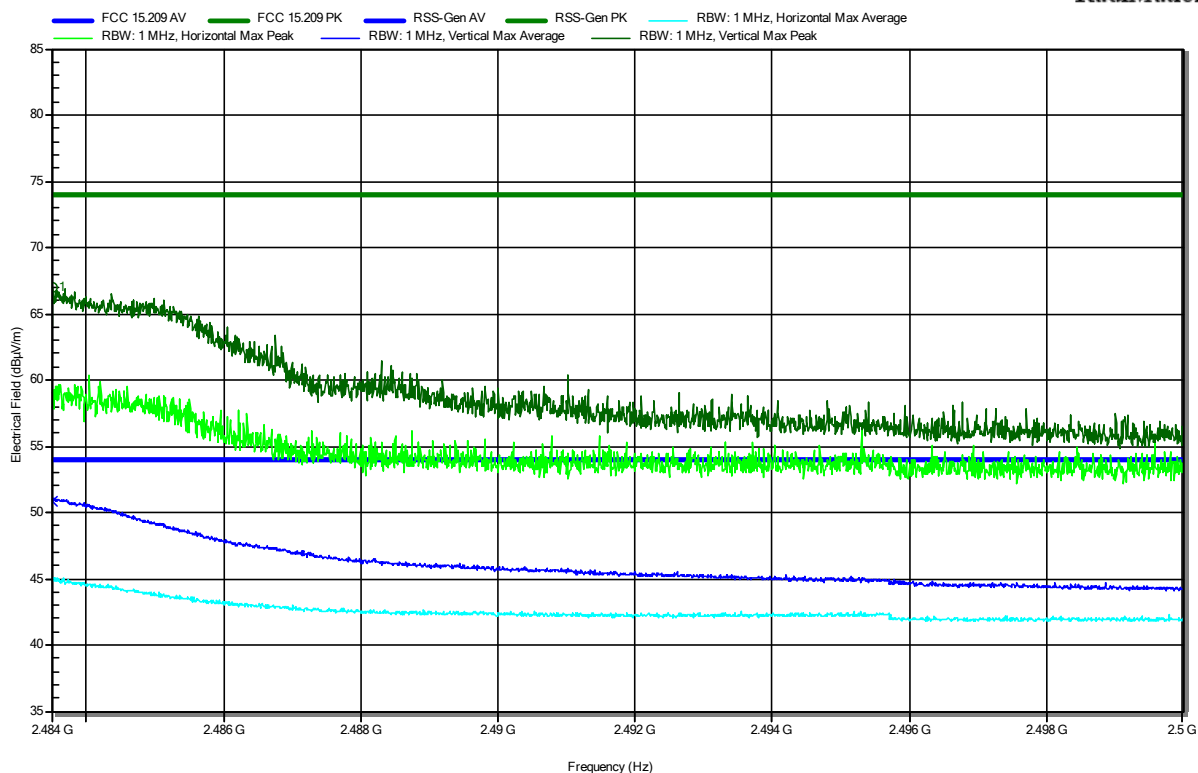
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-02
 Note: upper bandedge

Index 173

RadiMation



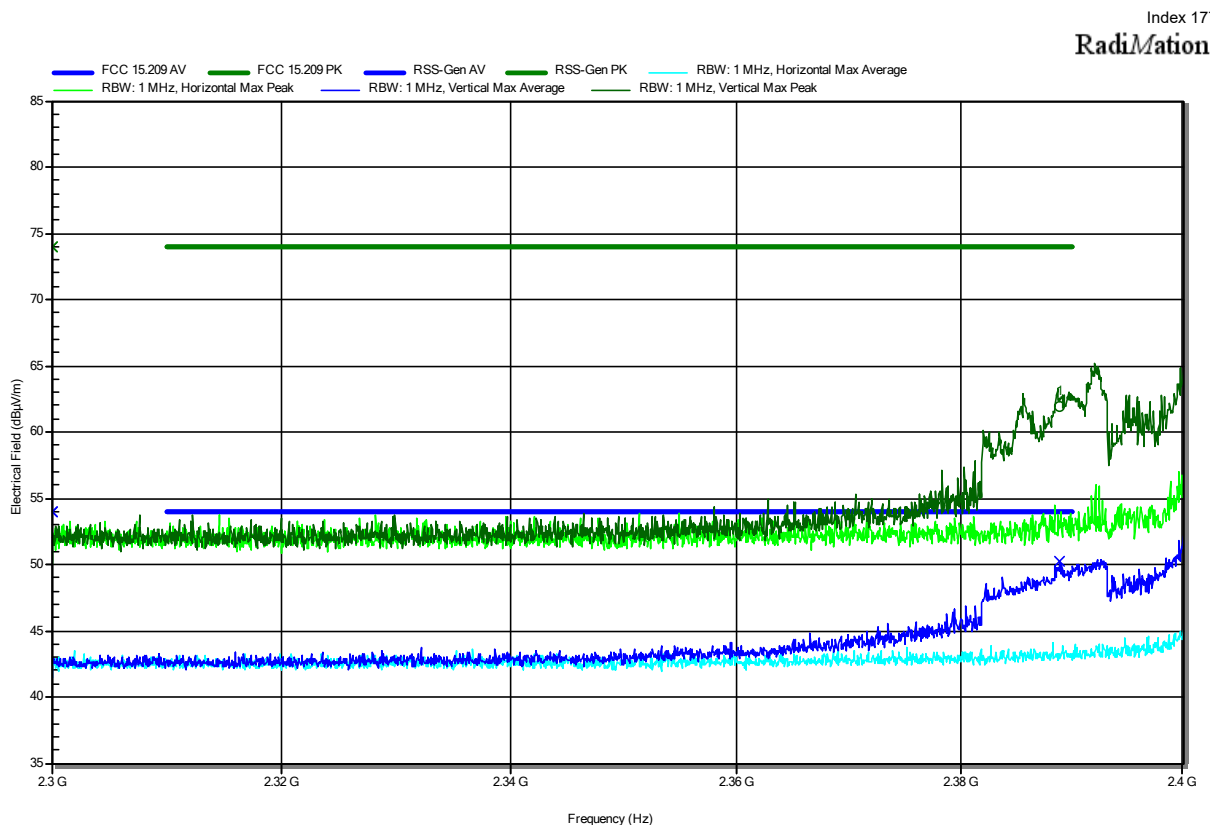
Frequency 2.4835 GHz	Peak 66.93 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -7.07 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4835 GHz	Average 50.79 dBμV/m	Average Limit 54 dBμV/m	Average Difference -3.21 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 3_2422 MHz; OFDM; BW40
 Test Date: 2022-09-09
 Note: lower bandedge



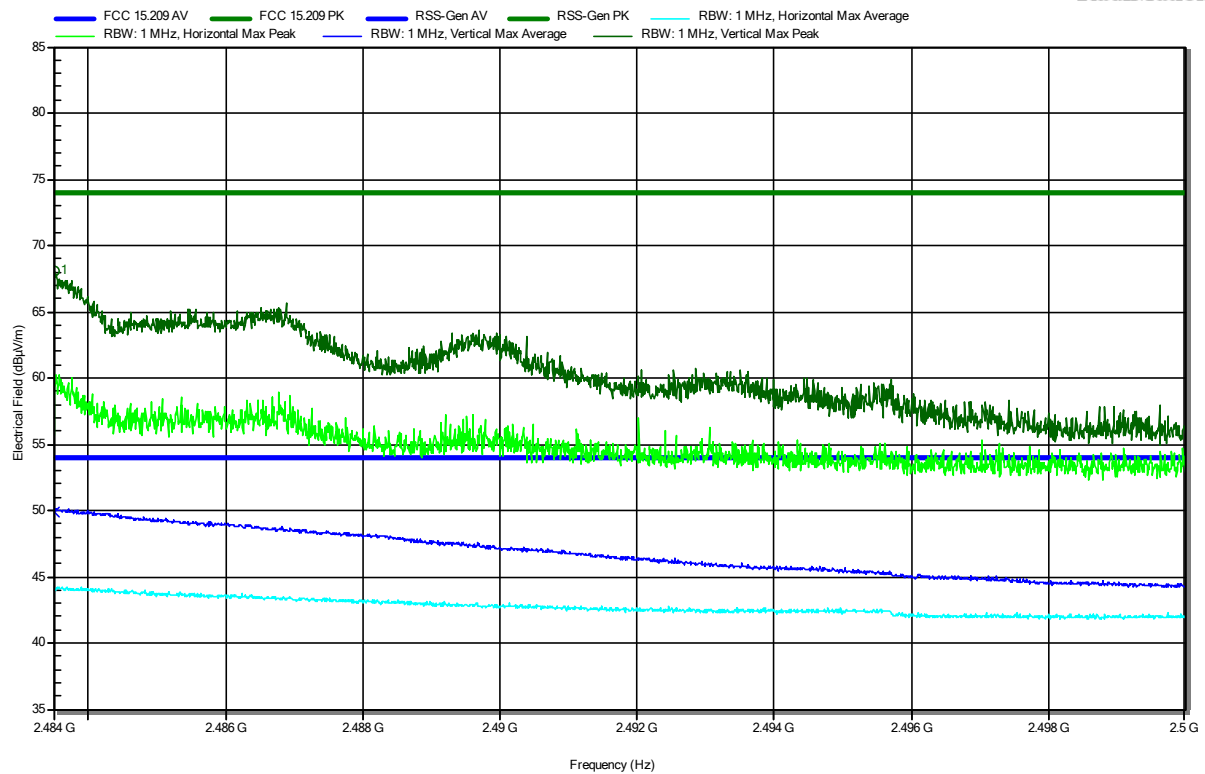
Frequency 2.3889 GHz	Peak 61.89 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -12.11 dB	Peak Status Pass	Polarization Vertical
Frequency 2.3889 GHz	Average 50.26 dBμV/m	Average Limit 54 dBμV/m	Average Difference -3.74 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 9_2452 MHz; OFDM; BW40
 Test Date: 2022-09-02
 Note: upper bandedge

Index 174

RadiMation



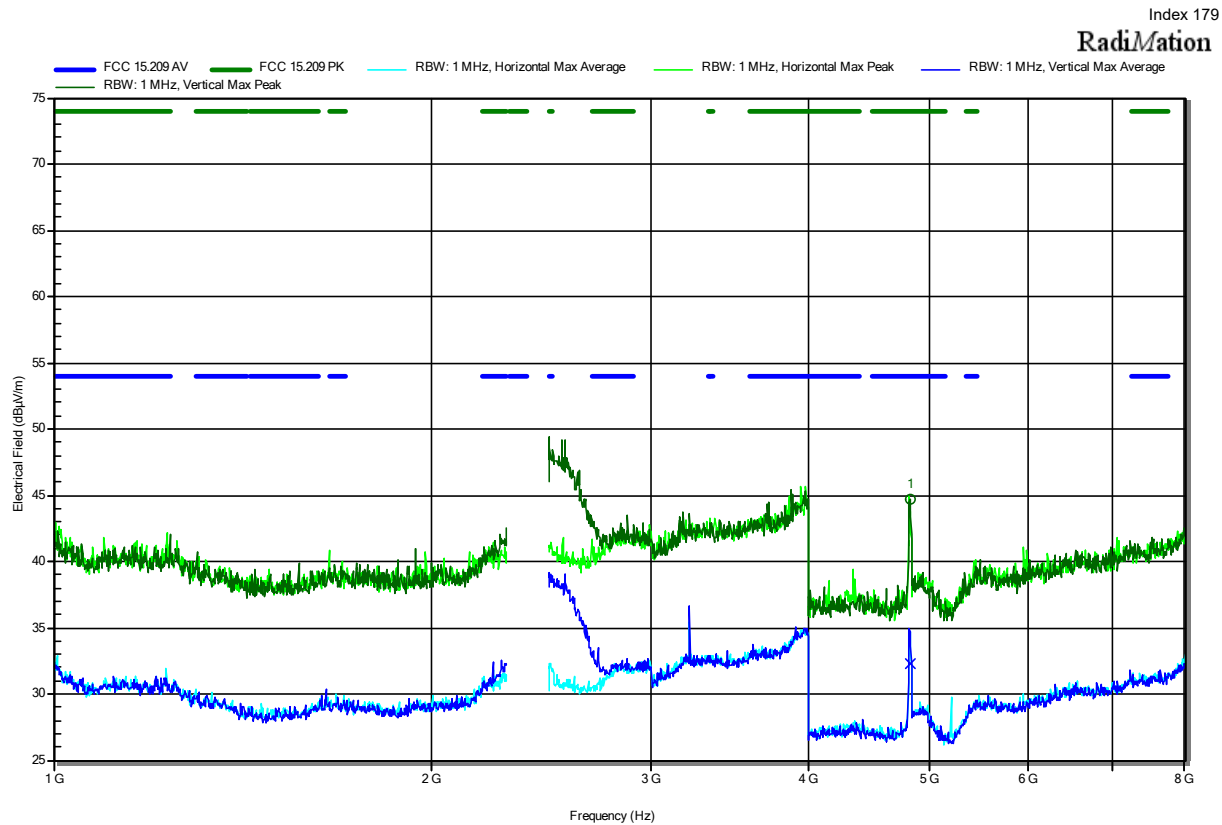
Frequency 2.4835 GHz	Peak 68.1 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -5.9 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4835 GHz	Average 49.87 dBµV/m	Average Limit 54 dBµV/m	Average Difference -4.13 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

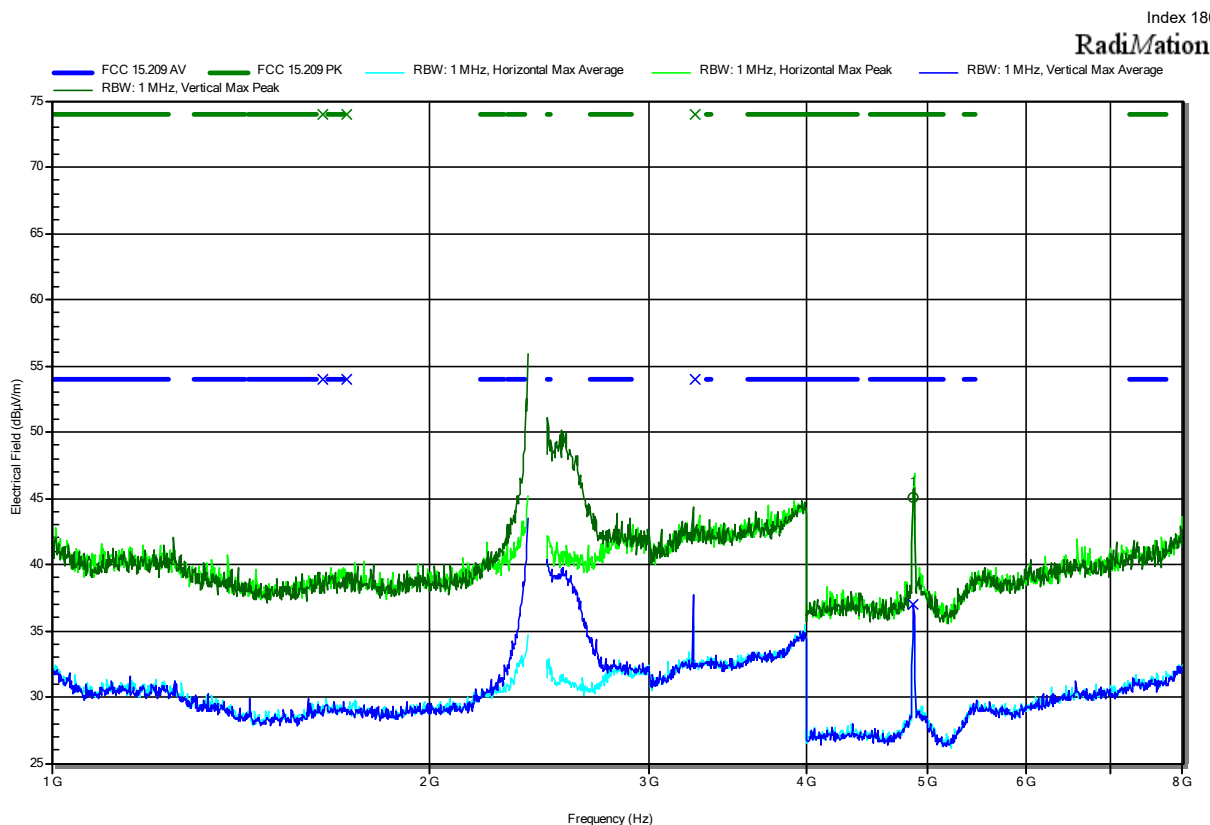
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:



Frequency 4.8251 GHz	Peak 44.65 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -29.35 dB	Peak Status Pass	Polarization Vertical
Frequency 4.8251 GHz	Average 32.3 dBμV/m	Average Limit 54 dBμV/m	Average Difference -21.7 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

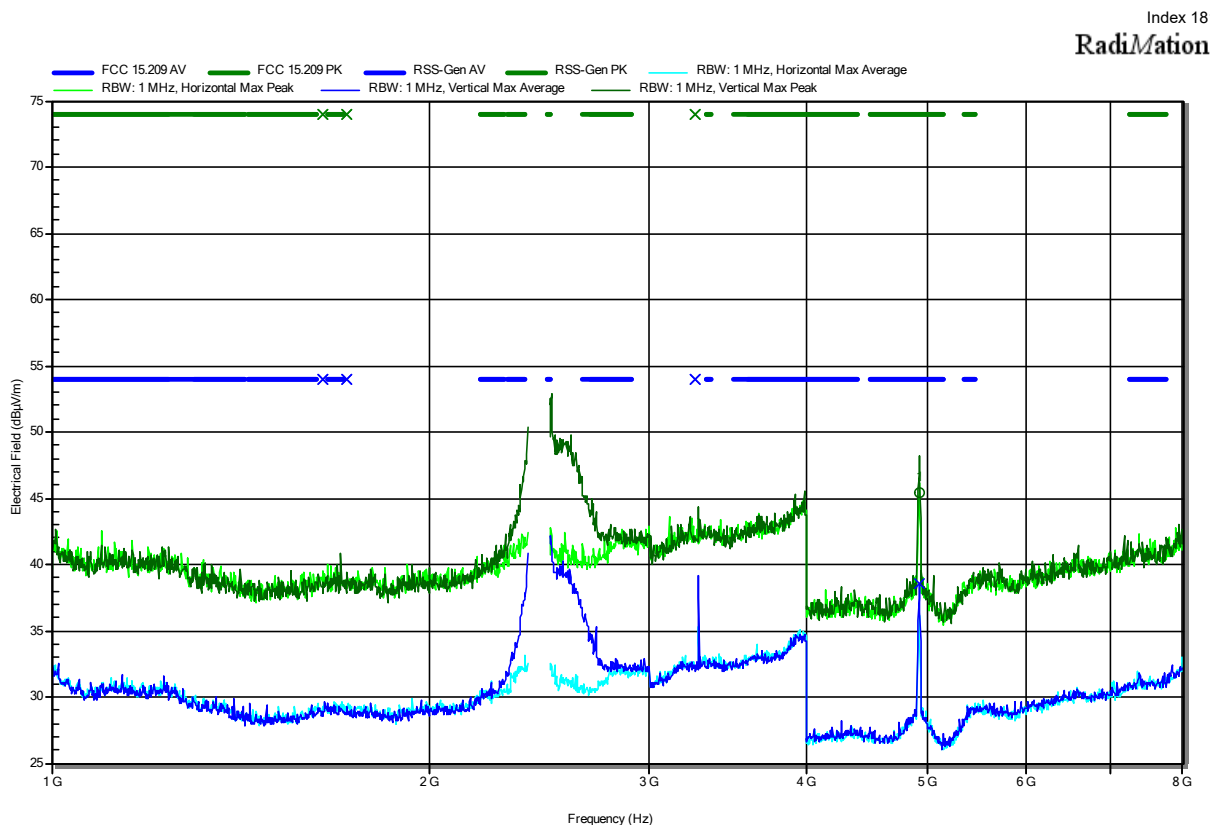
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:



Frequency 4.8747 GHz	Peak 45.09 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -28.91 dB	Peak Status Pass	Polarization Vertical
Frequency 4.8747 GHz	Average 36.97 dBμV/m	Average Limit 54 dBμV/m	Average Difference -17.03 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

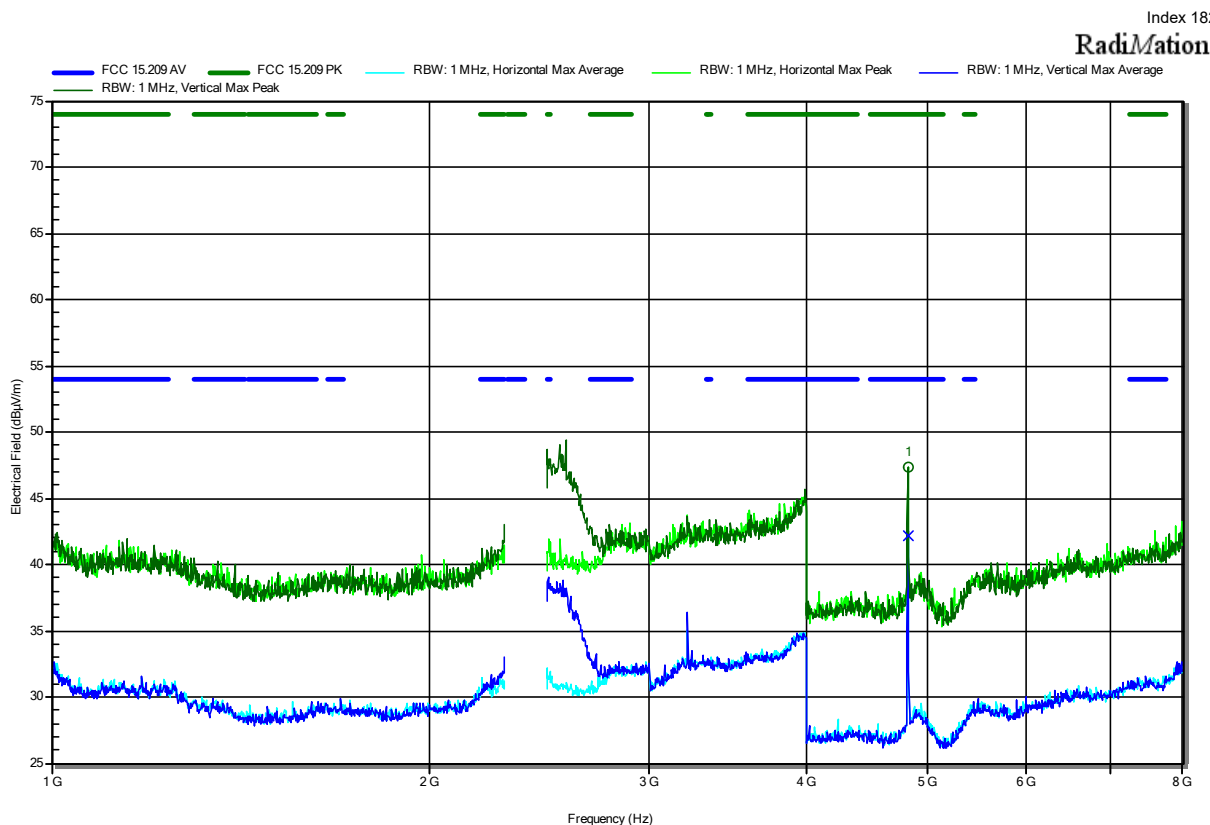
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
4.925 GHz	45.38 dBμV/m	74 dBμV/m	-28.62 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
4.925 GHz	38.59 dBμV/m	54 dBμV/m	-15.41 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-09
 Note:



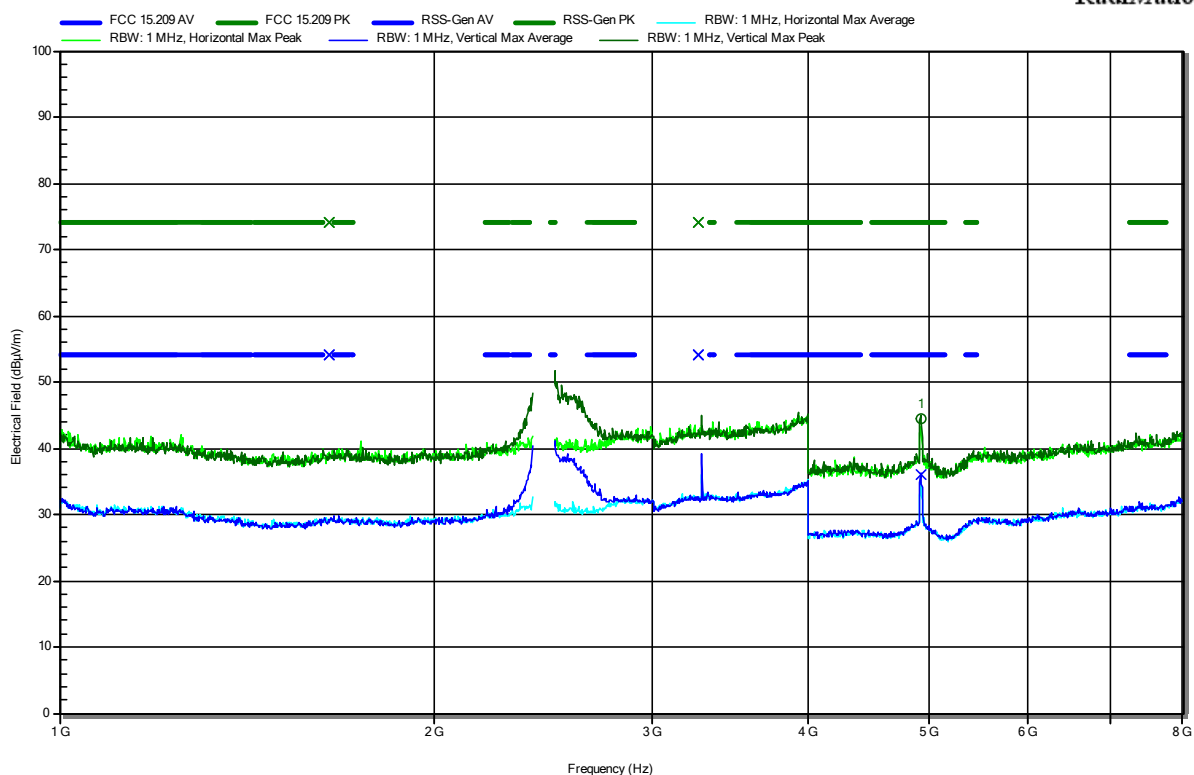
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
4.824 GHz	47.39 dBμV/m	74 dBμV/m	-26.61 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
4.824 GHz	42.17 dBμV/m	54 dBμV/m	-11.83 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

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 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 183

RadiMation



Frequency 4.924 GHz	Peak 44.55 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -29.45 dB	Peak Status Pass	Polarization Vertical
Frequency 4.924 GHz	Average 36.04 dBμV/m	Average Limit 54 dBμV/m	Average Difference -17.96 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

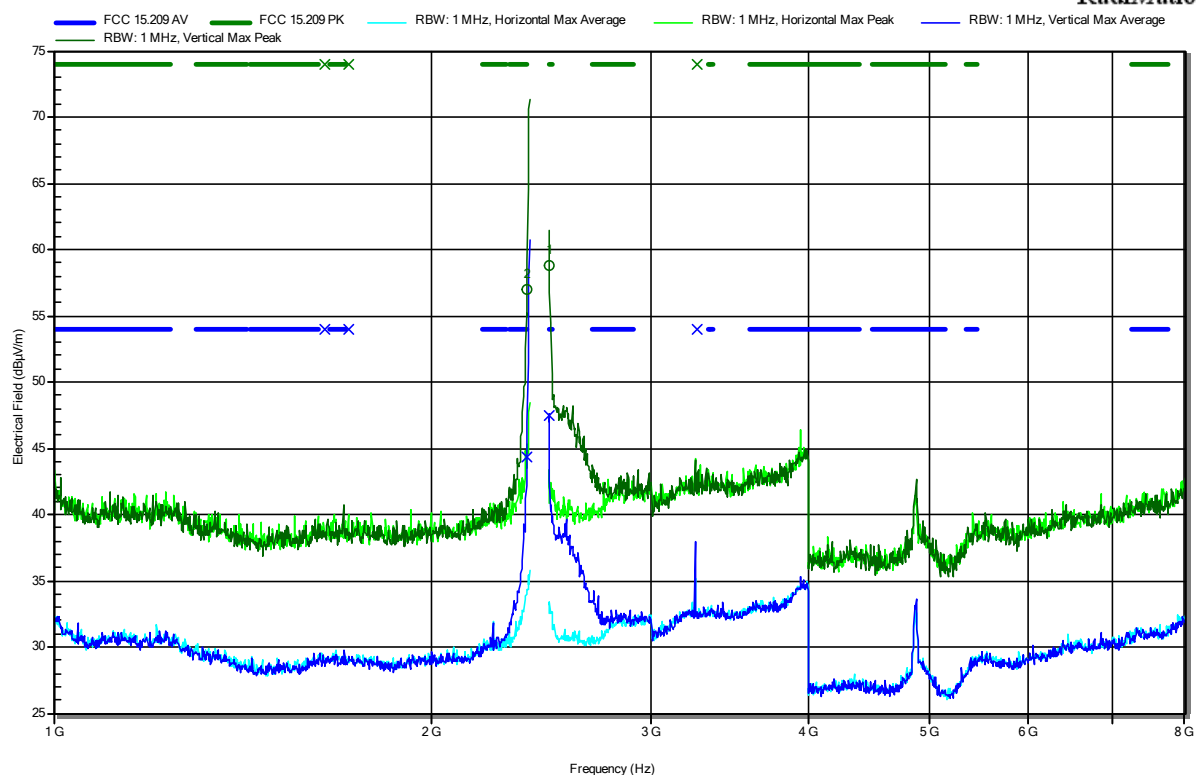
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 6_2437 MHz; OFDM; BW40
 Test Date: 2022-09-09
 Note:

Index 184

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3895 GHz	56.93 dBμV/m	74 dBμV/m	-17.07 dB	Pass	Vertical
2.4837 GHz	58.77 dBμV/m	74 dBμV/m	-15.23 dB	Pass	Vertical

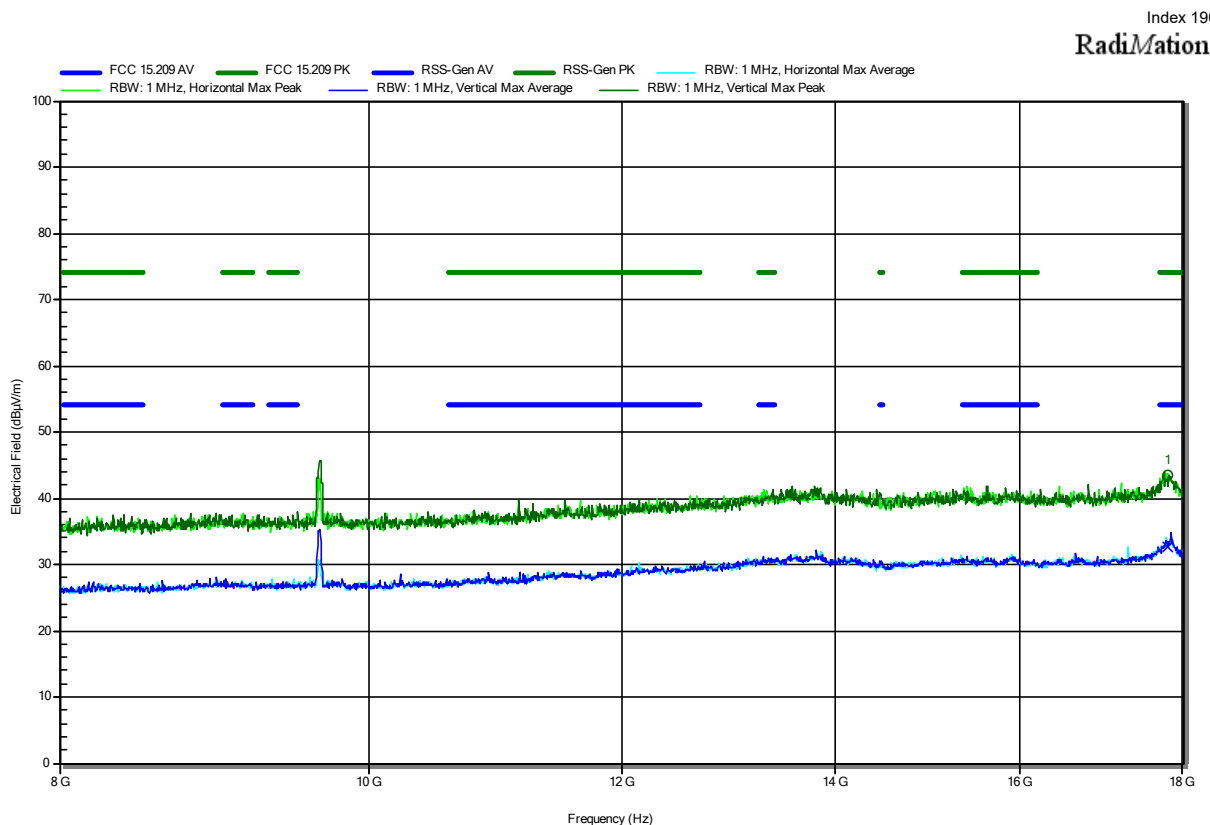
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3895 GHz	44.28 dBμV/m	54 dBμV/m	-9.72 dB	Pass	Vertical
2.4837 GHz	47.42 dBμV/m	54 dBμV/m	-6.58 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

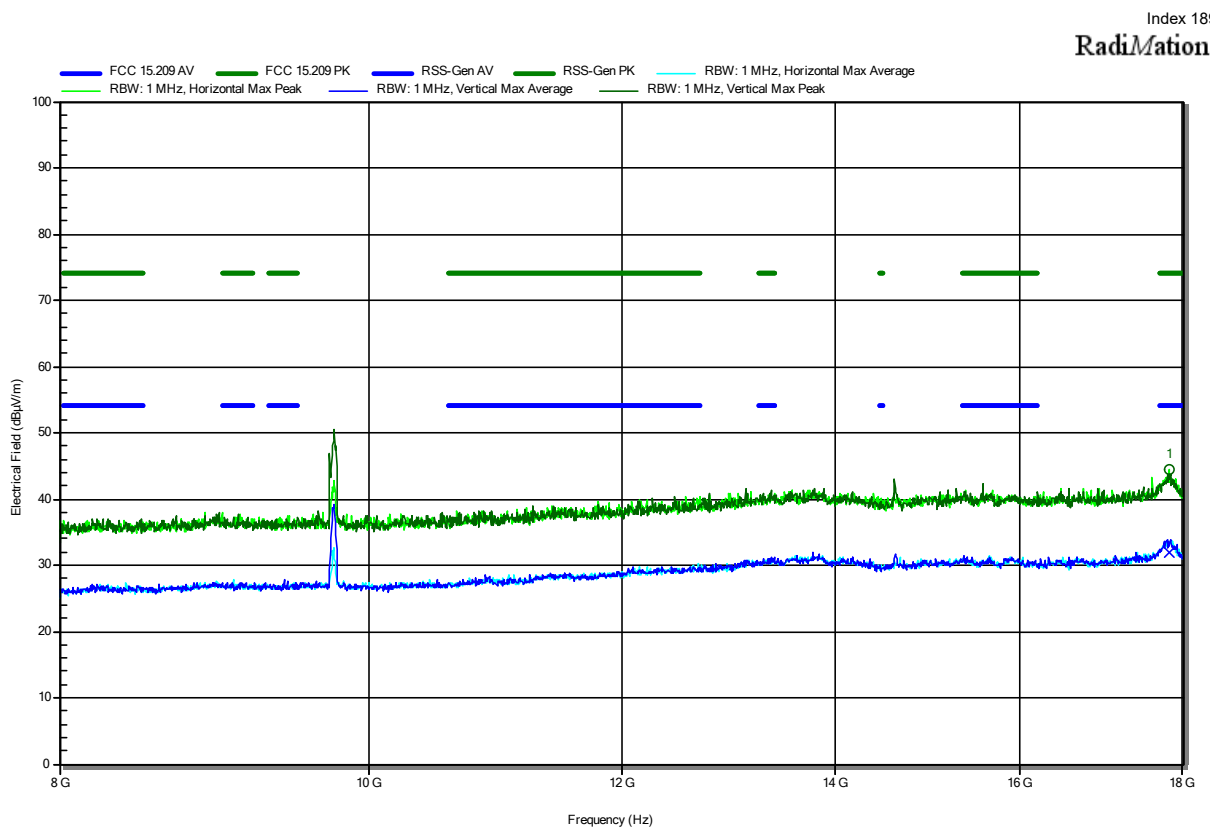
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:



Frequency 17.813 GHz	Peak 43.42 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -30.58 dB	Peak Status Pass	Polarization Vertical
Frequency 17.813 GHz	Average 32.71 dBµV/m	Average Limit 54 dBµV/m	Average Difference -21.29 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:



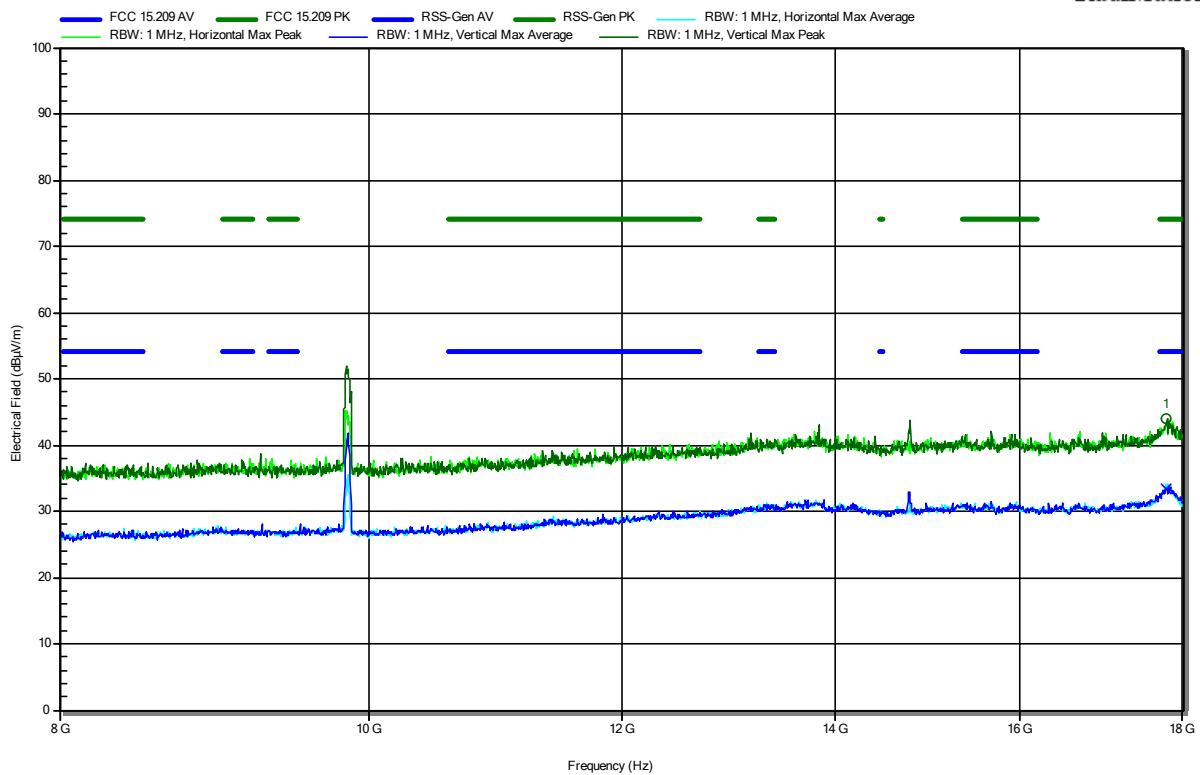
Frequency 17.816 GHz	Peak 44.56 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -29.44 dB	Peak Status Pass	Polarization Horizontal
Frequency 17.816 GHz	Average 31.81 dBµV/m	Average Limit 54 dBµV/m	Average Difference -22.19 dB	Average Status Pass	Polarization Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 188

RadiMation



Frequency 17.789 GHz	Peak 44.04 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -29.96 dB	Peak Status Pass	Polarization Vertical
Frequency 17.789 GHz	Average 33.48 dBμV/m	Average Limit 54 dBμV/m	Average Difference -20.52 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

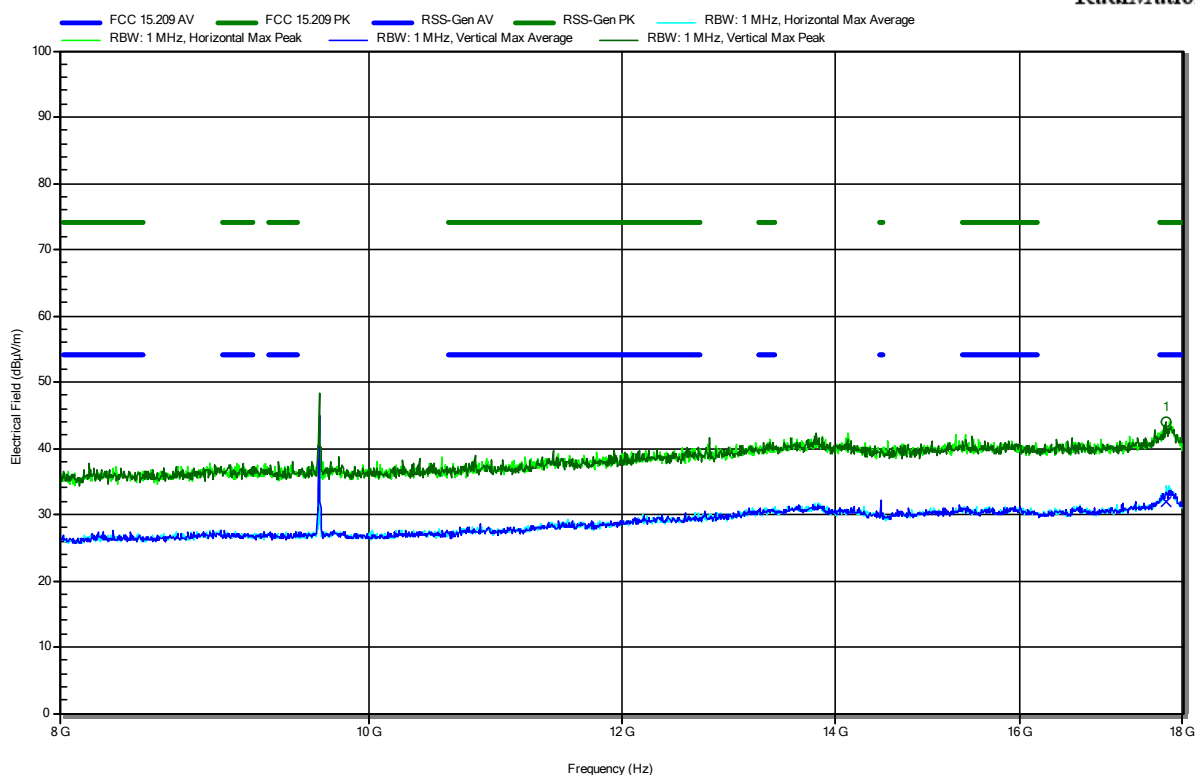
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-09
 Note:

Index 187

RadiMation



Frequency 17.778 GHz	Peak 44.04 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -29.96 dB	Peak Status Pass	Polarization Vertical
Frequency 17.778 GHz	Average 31.93 dBμV/m	Average Limit 54 dBμV/m	Average Difference -22.07 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

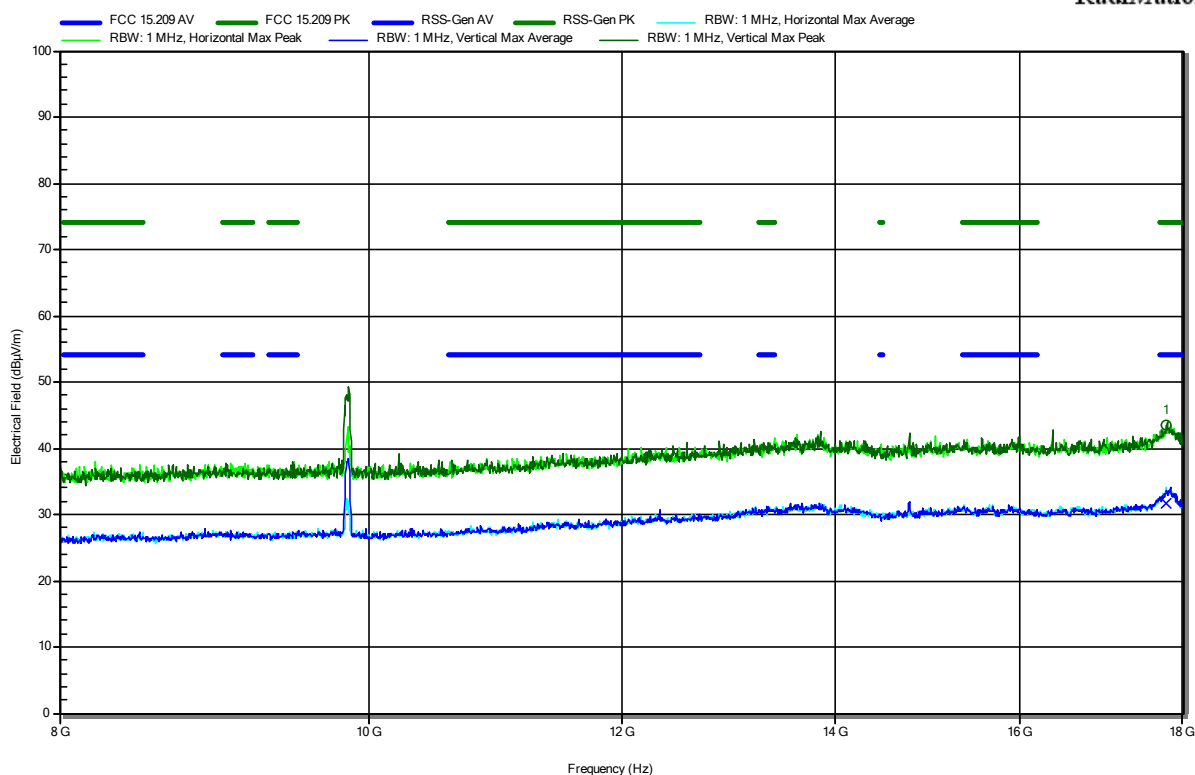
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 186

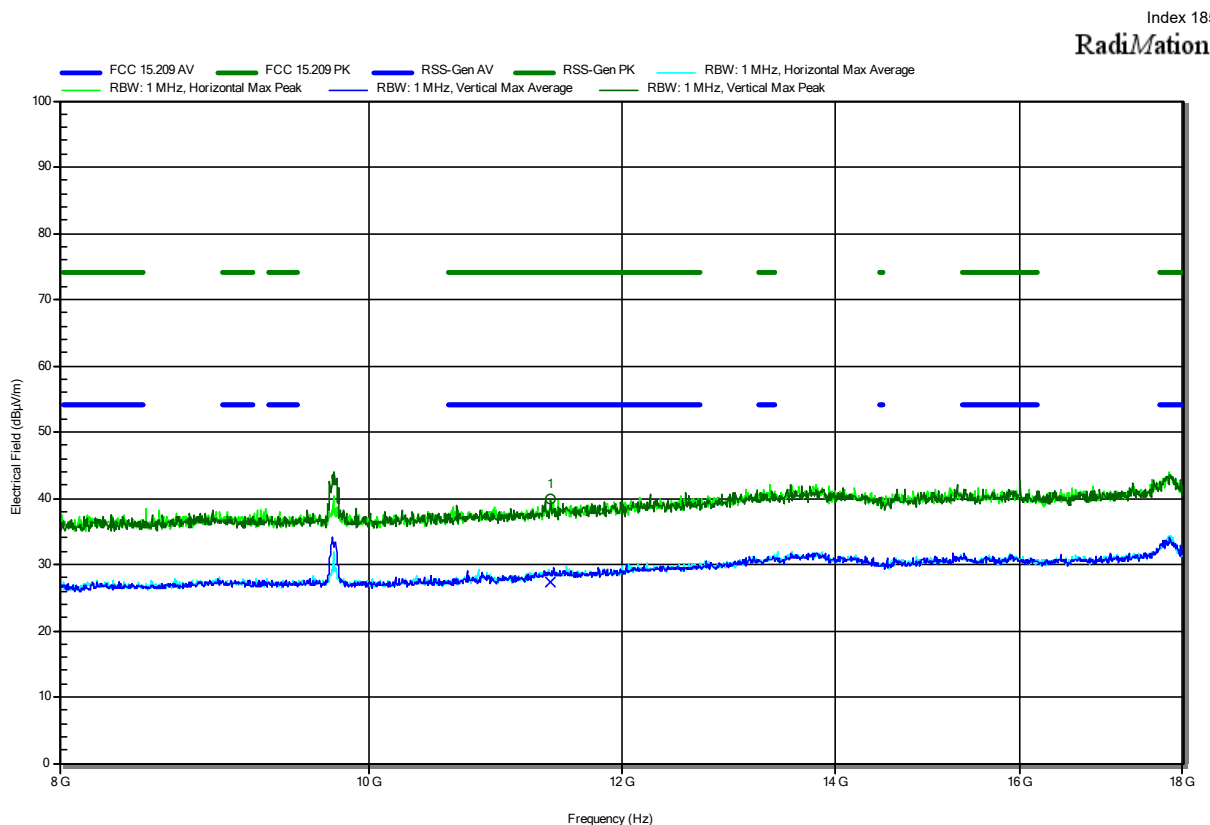
RadiMation



Frequency 17.779 GHz	Peak 43.47 dBV/m	Peak Limit 74 dBV/m	Peak Difference -30.53 dB	Peak Status Pass	Polarization Horizontal
Frequency 17.779 GHz	Average 31.62 dBV/m	Average Limit 54 dBV/m	Average Difference -22.38 dB	Average Status Pass	Polarization Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 6_2437 MHz; OFDM; BW40
 Test Date: 2022-09-09
 Note:



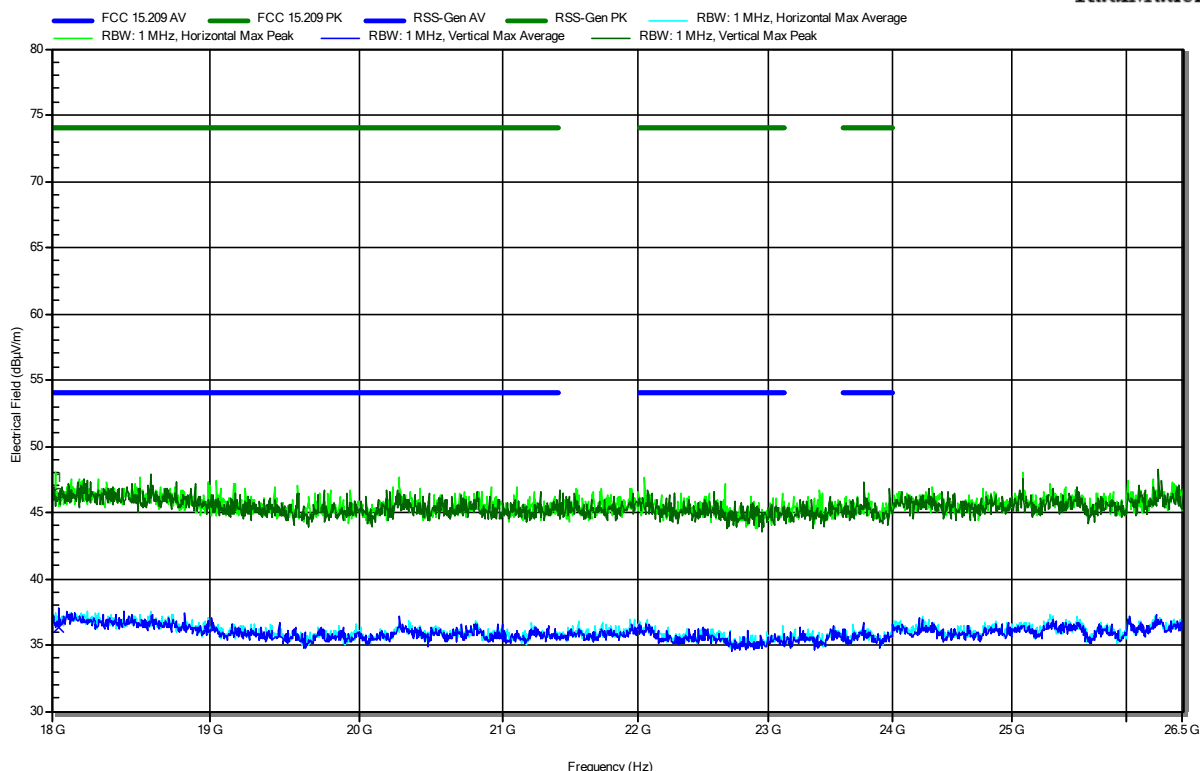
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
11.403 GHz	39.88 dBV/m	74 dBV/m	-34.12 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
11.403 GHz	27.46 dBV/m	54 dBV/m	-26.54 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 191

RadiMation



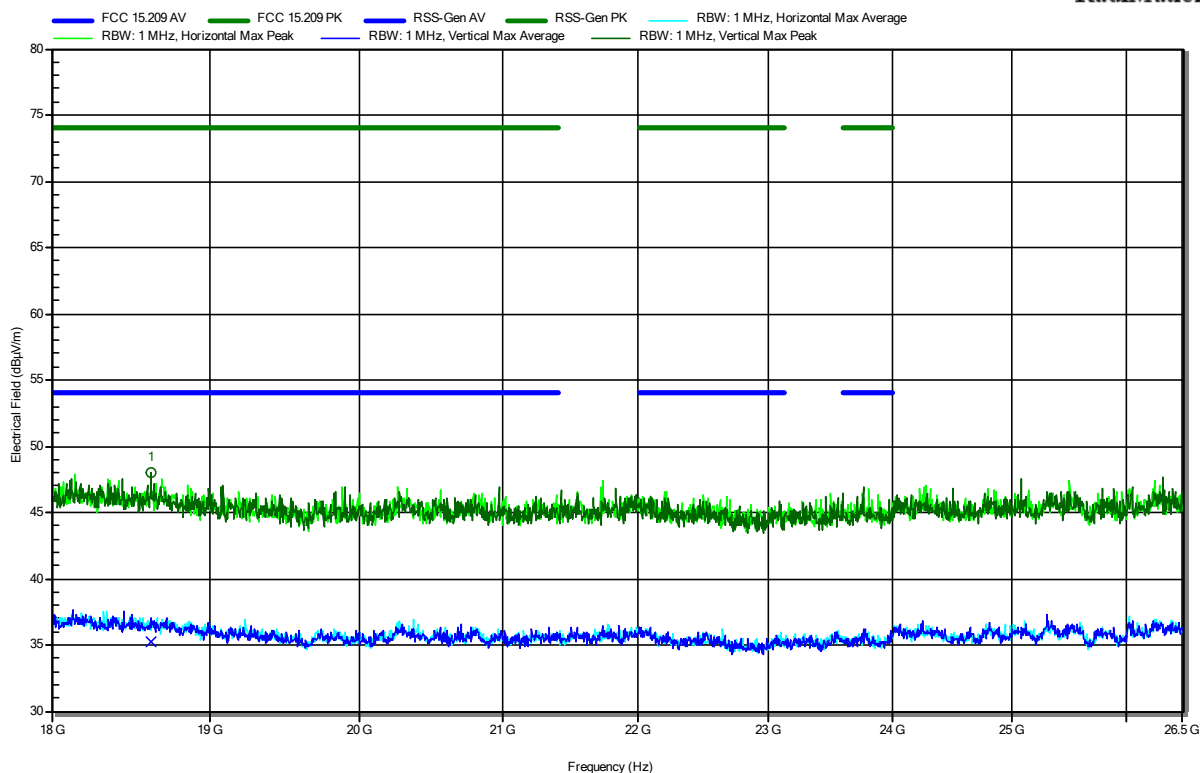
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.041 GHz	46.41 dBμV/m	74 dBμV/m	-27.59 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.041 GHz	36.27 dBμV/m	54 dBμV/m	-17.73 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 192

RadiMation



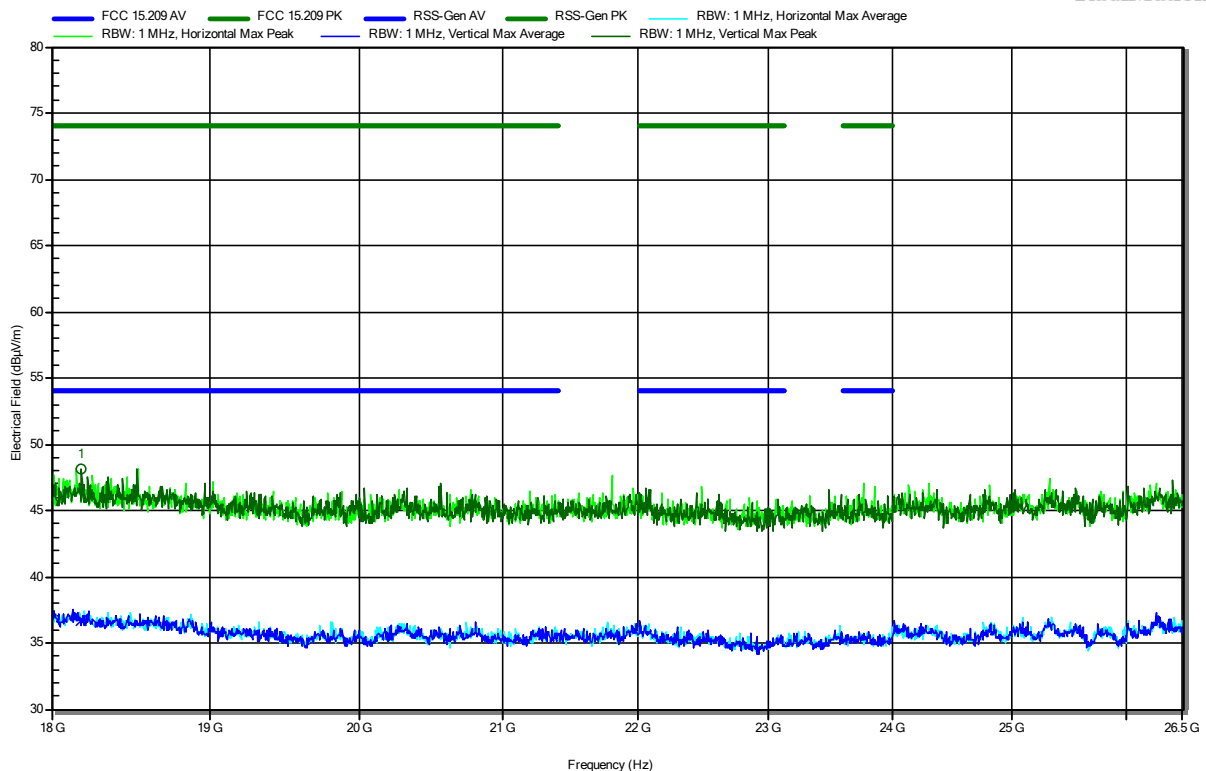
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.622 GHz	47.99 dBμV/m	74 dBμV/m	-26.01 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.622 GHz	35.19 dBμV/m	54 dBμV/m	-18.81 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 193

RadiMation



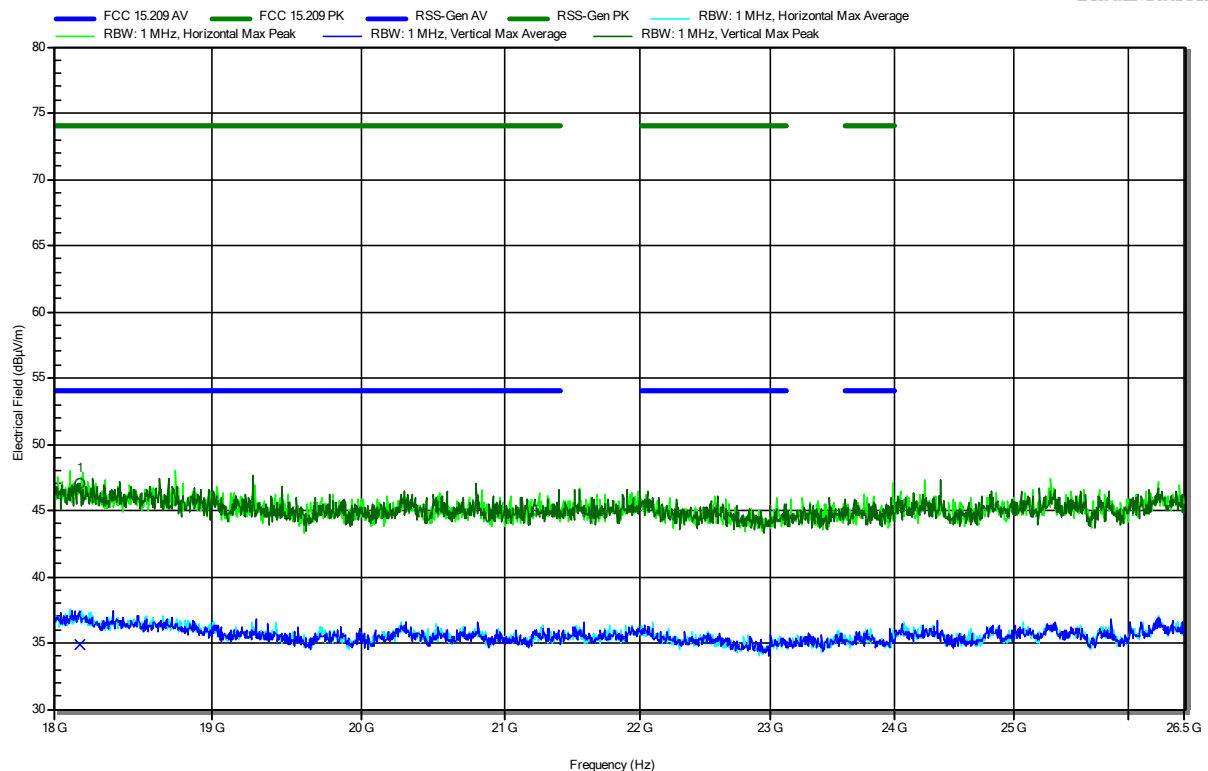
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.184 GHz	48.11 dBμV/m	74 dBμV/m	-25.89 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.184 GHz	36.69 dBμV/m	54 dBμV/m	-17.31 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-09
 Note:

Index 194

RadiMation



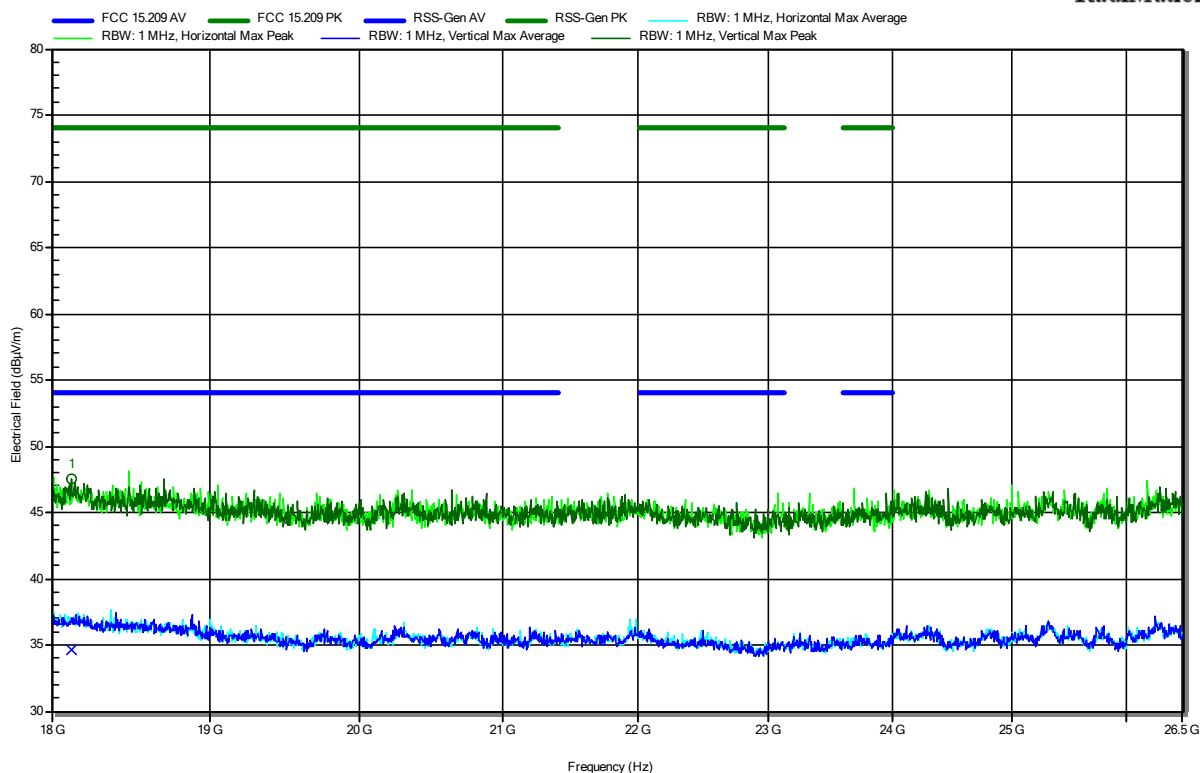
Frequency 18.163 GHz	Peak 47.01 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -26.99 dB	Peak Status Pass	Polarization Vertical
Frequency 18.163 GHz	Average 34.94 dBμV/m	Average Limit 54 dBμV/m	Average Difference -19.06 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-09
 Note:

Index 195

RadiMation



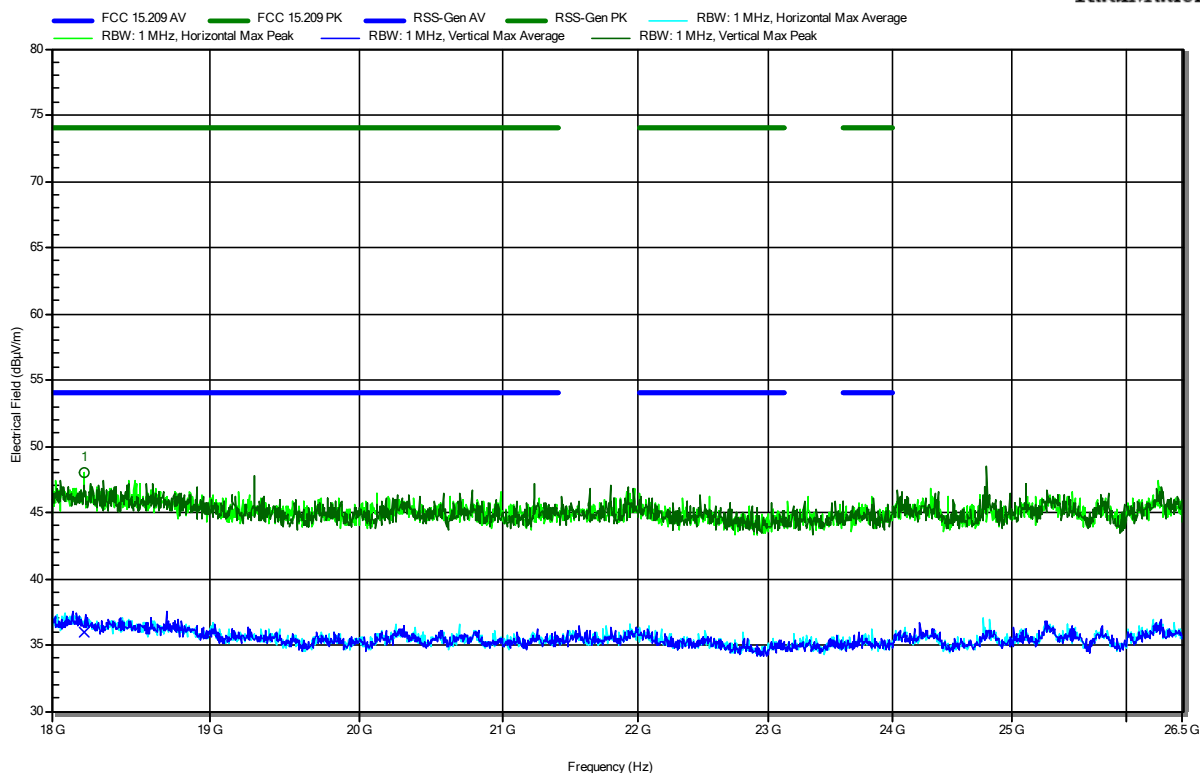
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.124 GHz	47.59 dBμV/m	74 dBμV/m	-26.41 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.124 GHz	34.64 dBμV/m	54 dBμV/m	-19.36 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 6_2437 MHz; OFDM; BW40
 Test Date: 2022-09-09
 Note:

Index 196

RadiMation

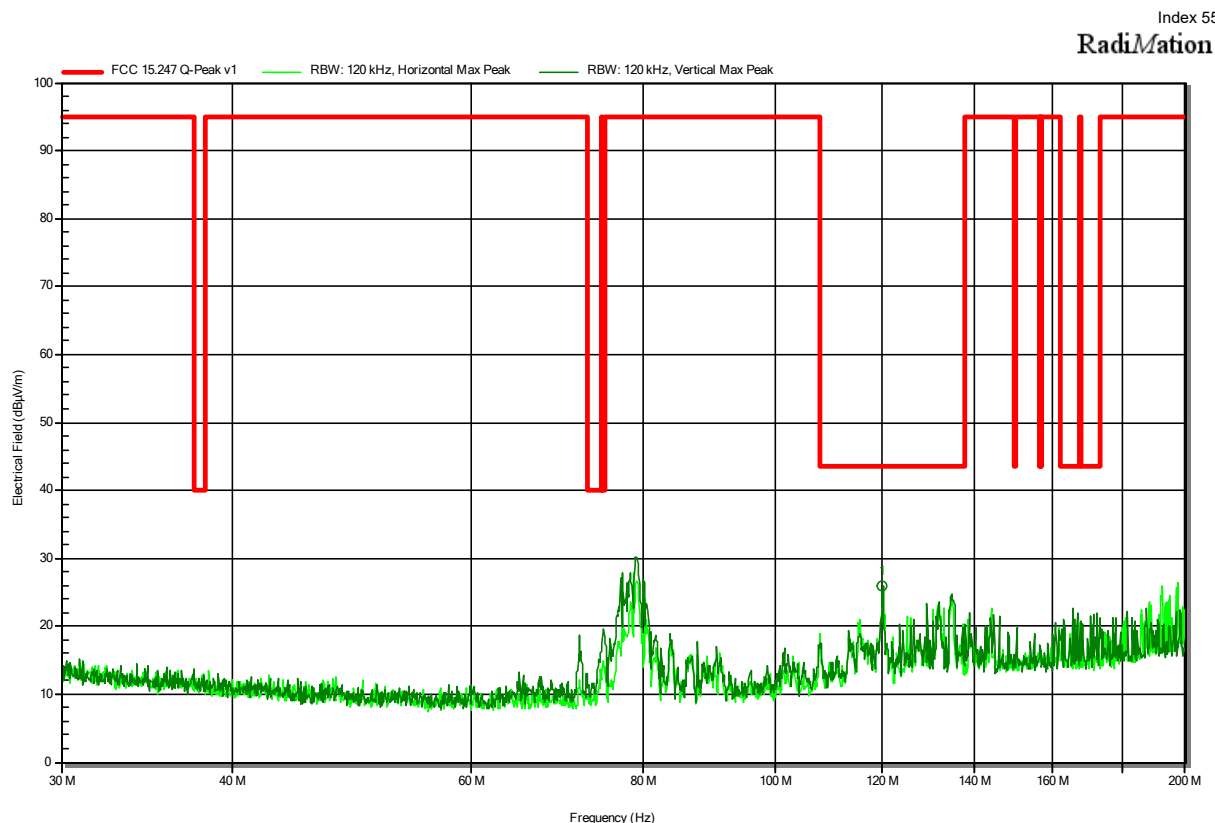


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.2 GHz	48.07 dBμV/m	74 dBμV/m	-25.93 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.2 GHz	35.95 dBμV/m	54 dBμV/m	-18.05 dB	Pass	Horizontal

ANNEX B Transmitter spurious emissions (Tested variant 1)

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
119.998 MHz	26 dBµV/m	43.5 dBµV/m	-17.48 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

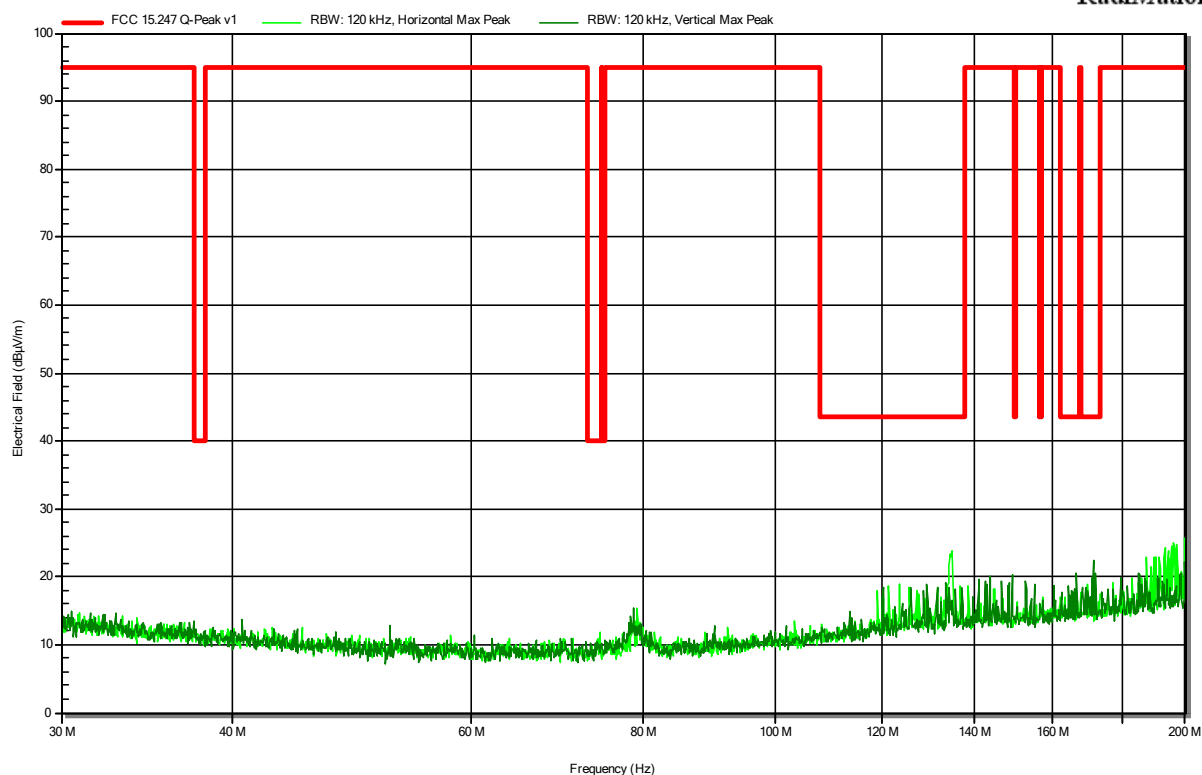
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:

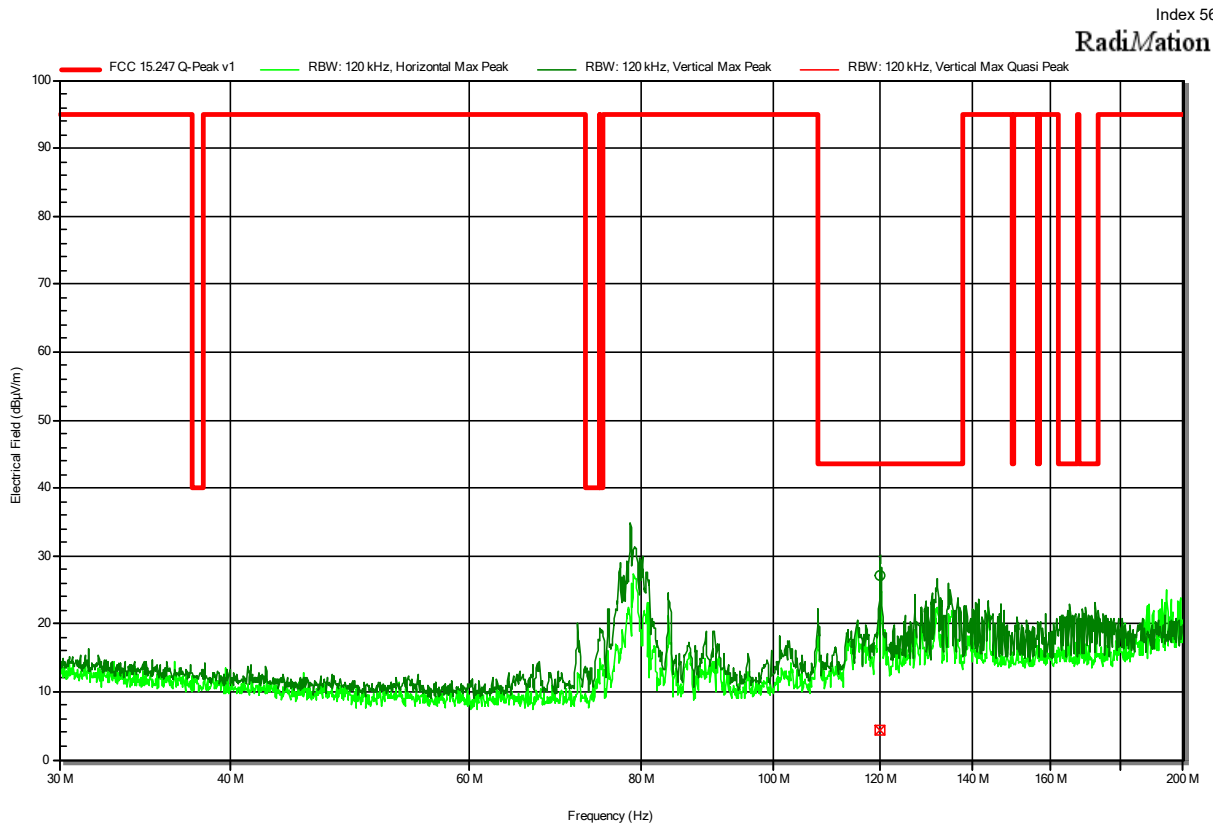
Index 54

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:



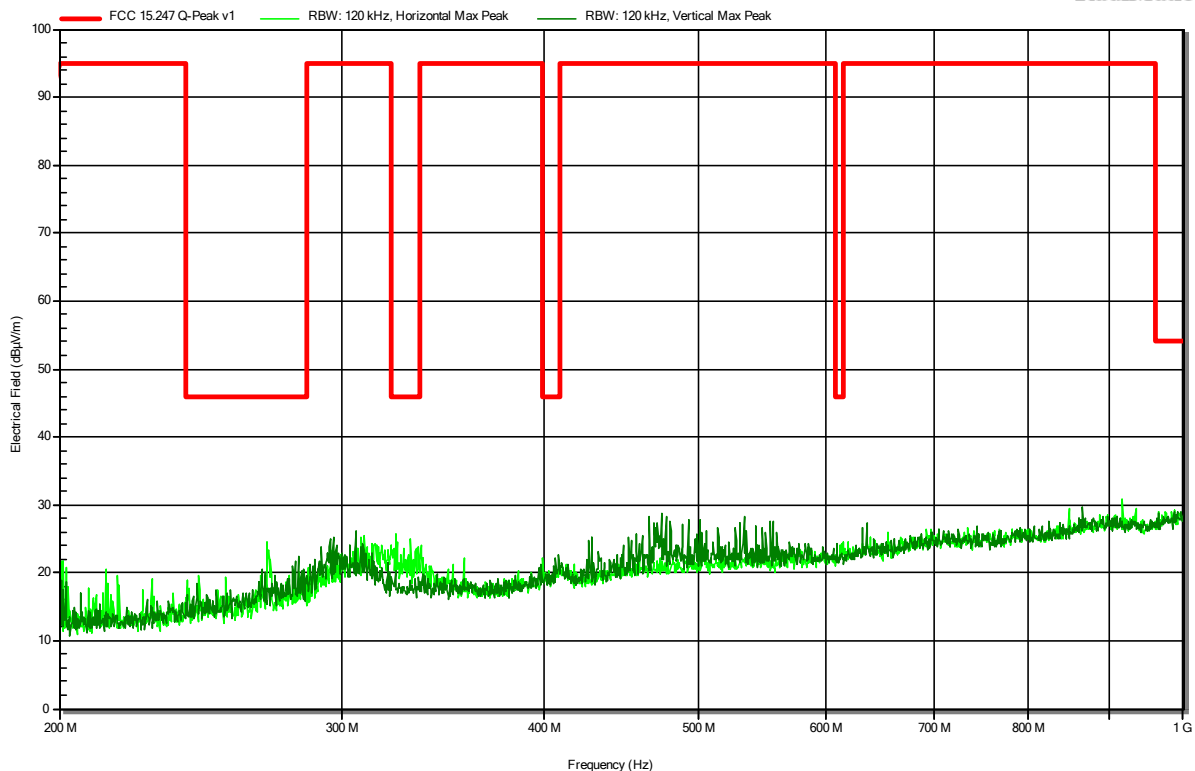
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
119.913 MHz	4.3 dBµV/m	43.5 dBµV/m	-39.22 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:

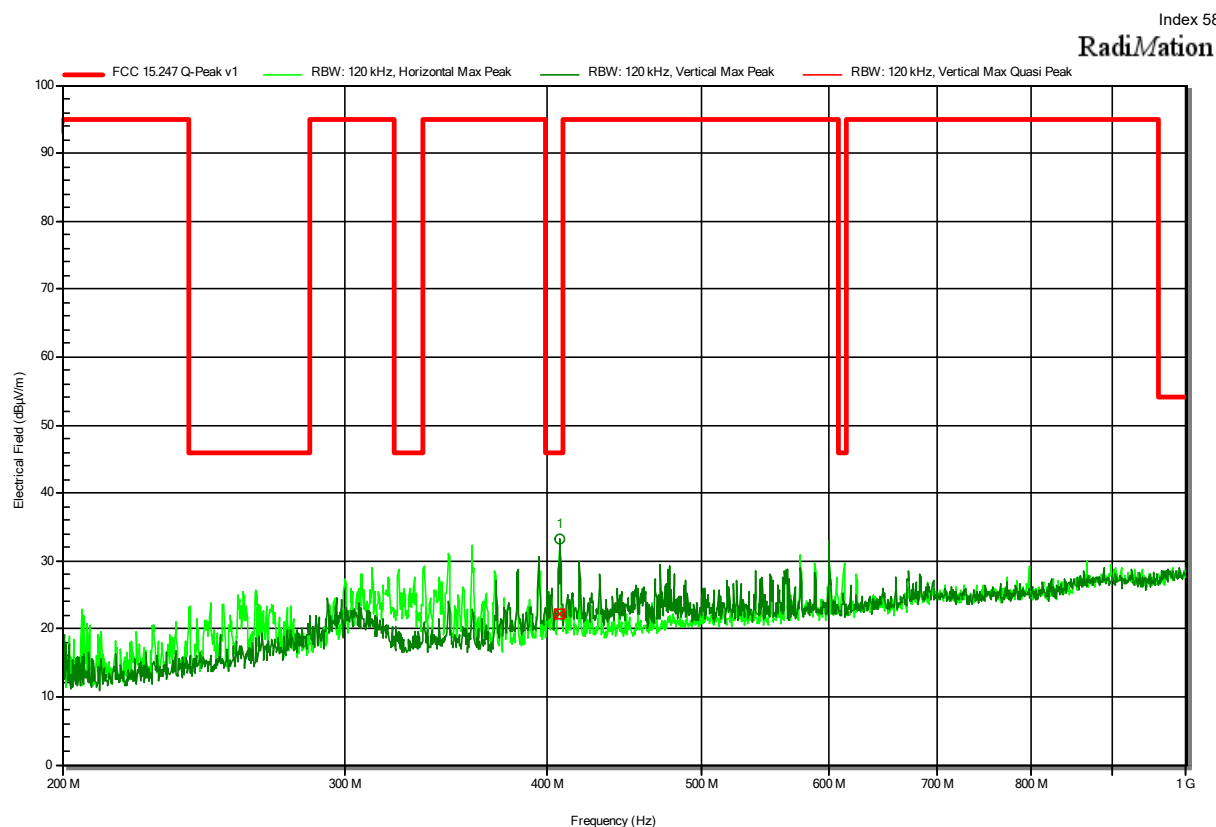
Index 59

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:



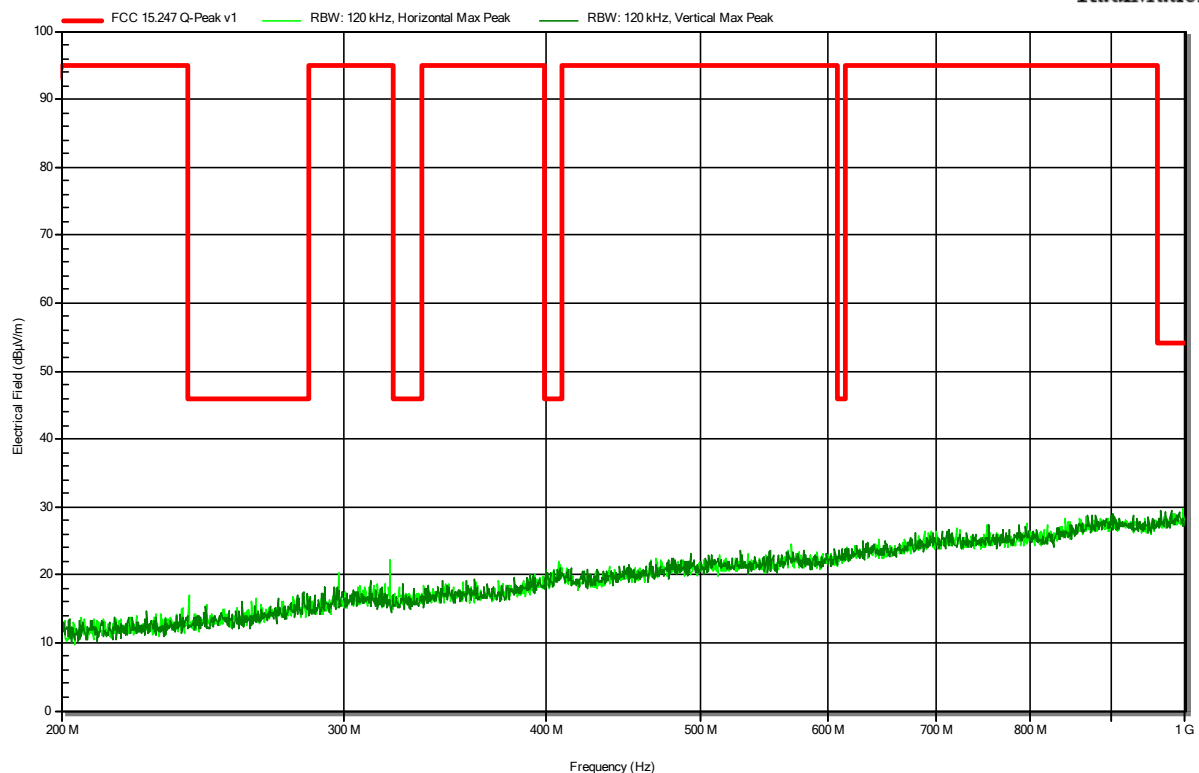
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
407.62 MHz	22.1 dBµV/m	46 dBµV/m	-23.86 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-08-29
 Note:

Index 57

RadiMation

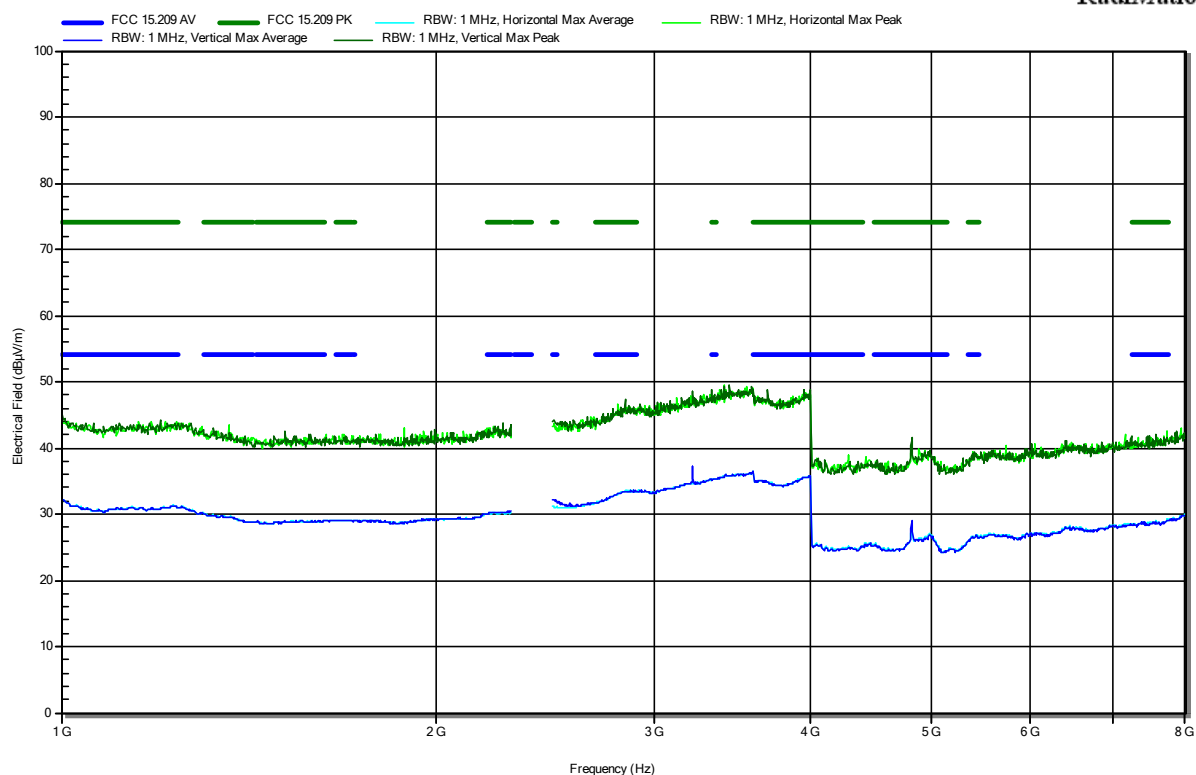


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

Index 62

RadiMation

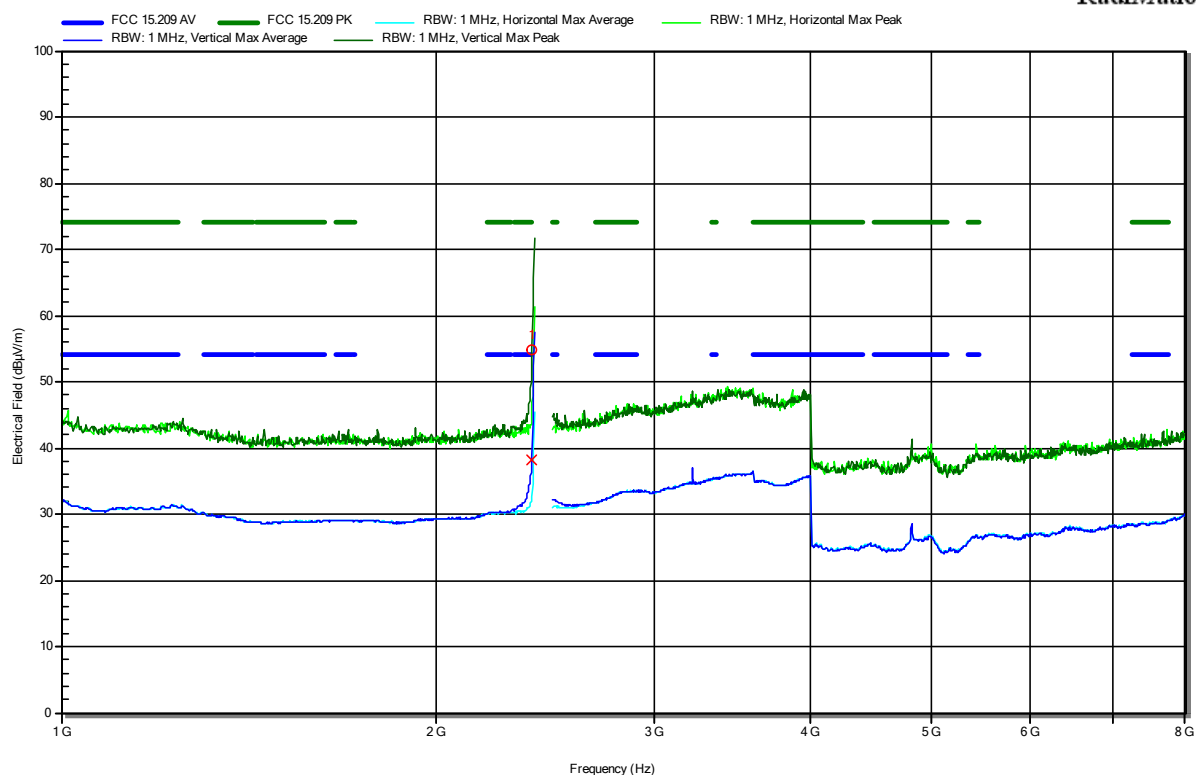


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

Index 64

RadiMation



Frequency 2.3888 GHz	Peak 54.91 dBV/m	Peak Limit 74 dBV/m	Peak Difference -19.09 dB	Peak Status Pass	Polarization Vertical
Frequency 2.3888 GHz	Average 38.11 dBV/m	Average Limit 54 dBV/m	Average Difference -15.89 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

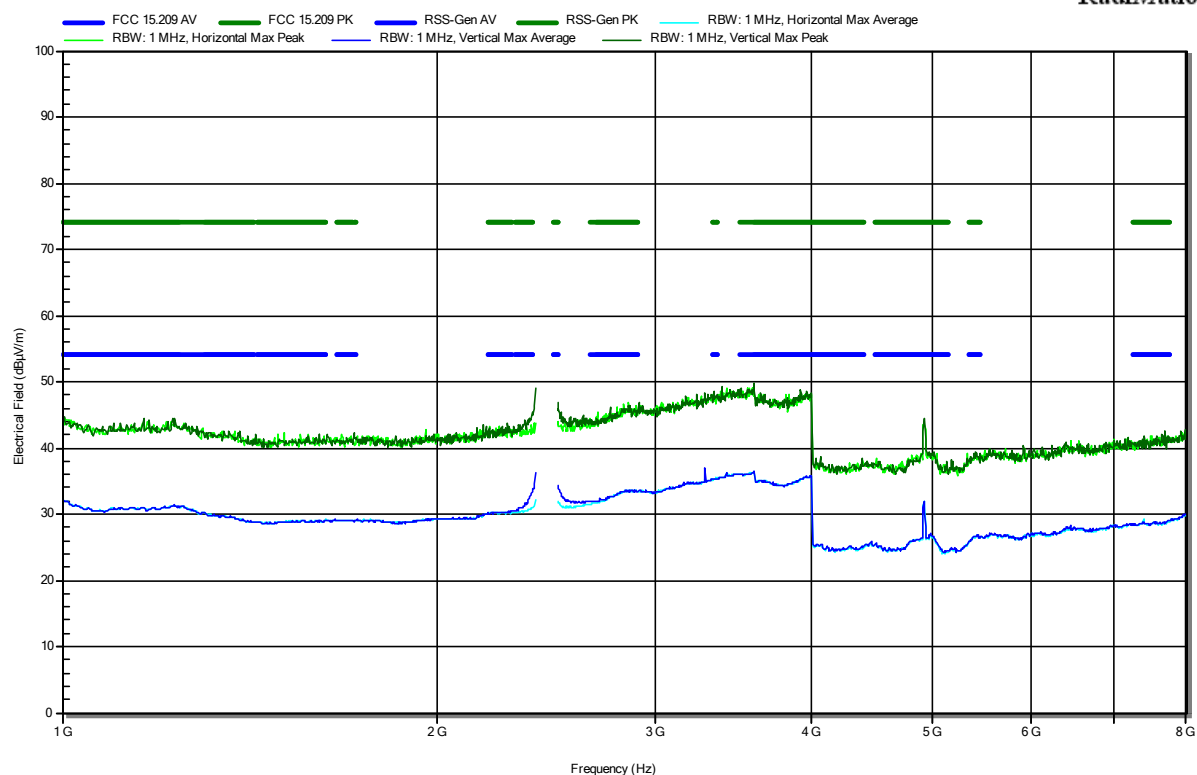
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

Index 68

RadiMation

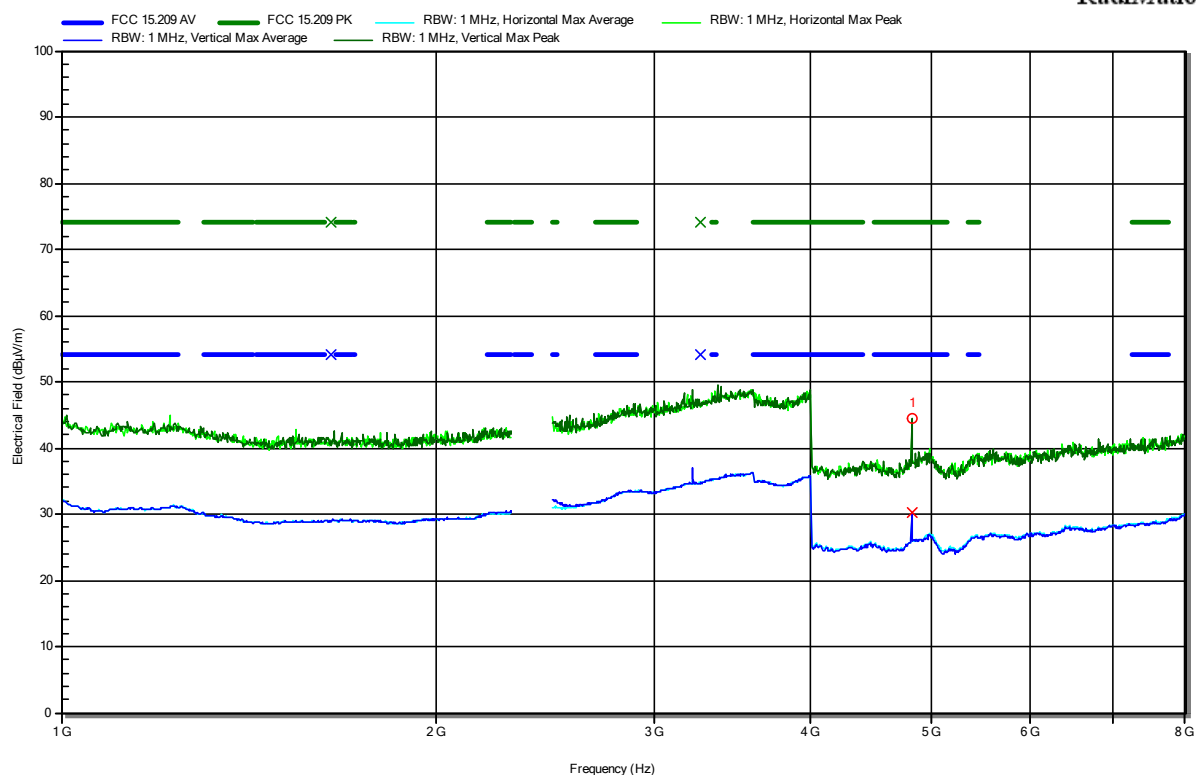


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-16
 Note:

Index 61

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
4.8205 GHz	44.51 dBV/m	74 dBV/m	-29.49 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
4.8205 GHz	30.27 dBV/m	54 dBV/m	-23.73 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

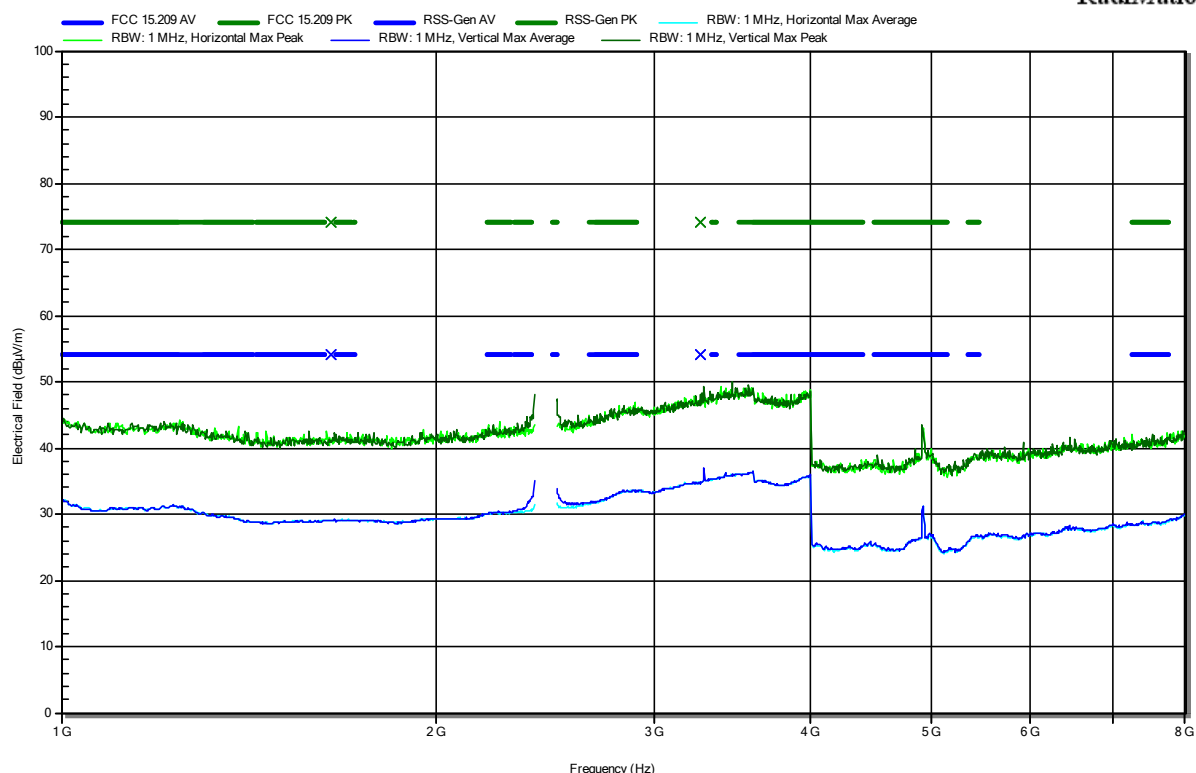
Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-09-16
 Note:

Index 67

RadiMation

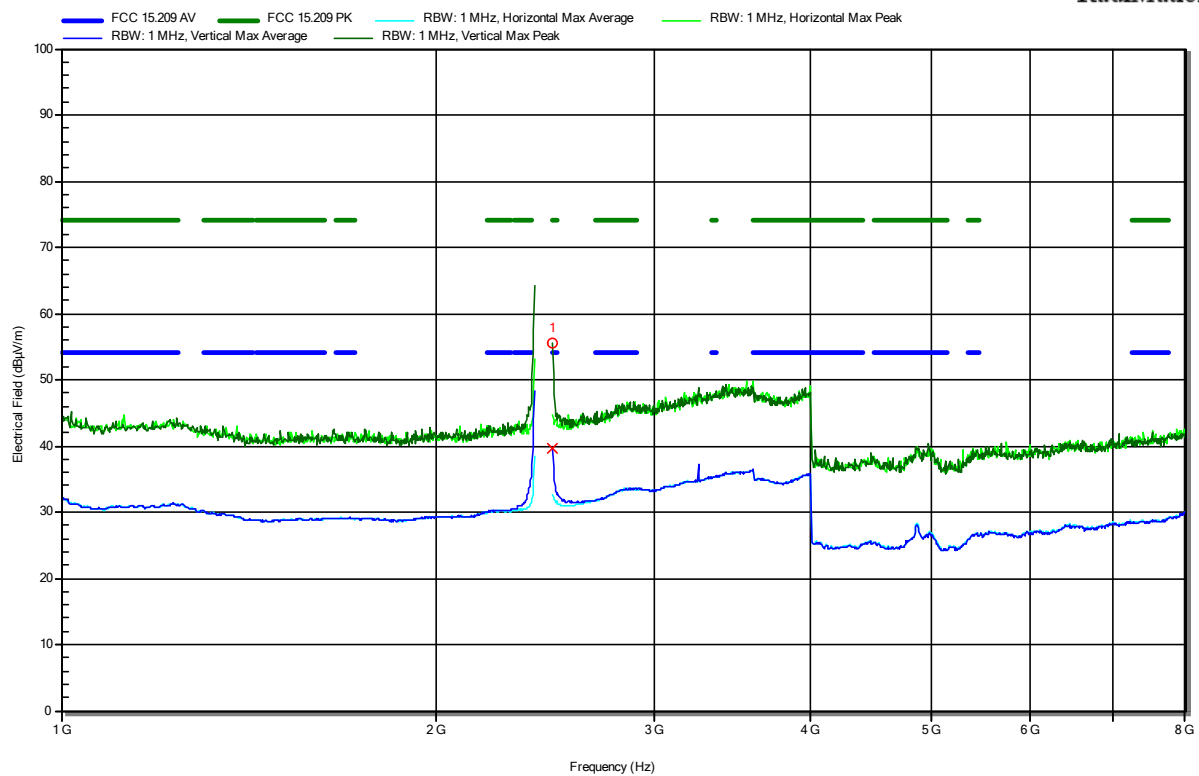


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 0; CH 6_2437 MHz; OFDM; HT40
 Test Date: 2022-09-16
 Note:

Index 63

RadiMation



Frequency 2.4835 GHz	Peak 55.61 dBV/m	Peak Limit 74 dBV/m	Peak Difference -18.39 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4835 GHz	Average 39.64 dBV/m	Average Limit 54 dBV/m	Average Difference -14.36 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

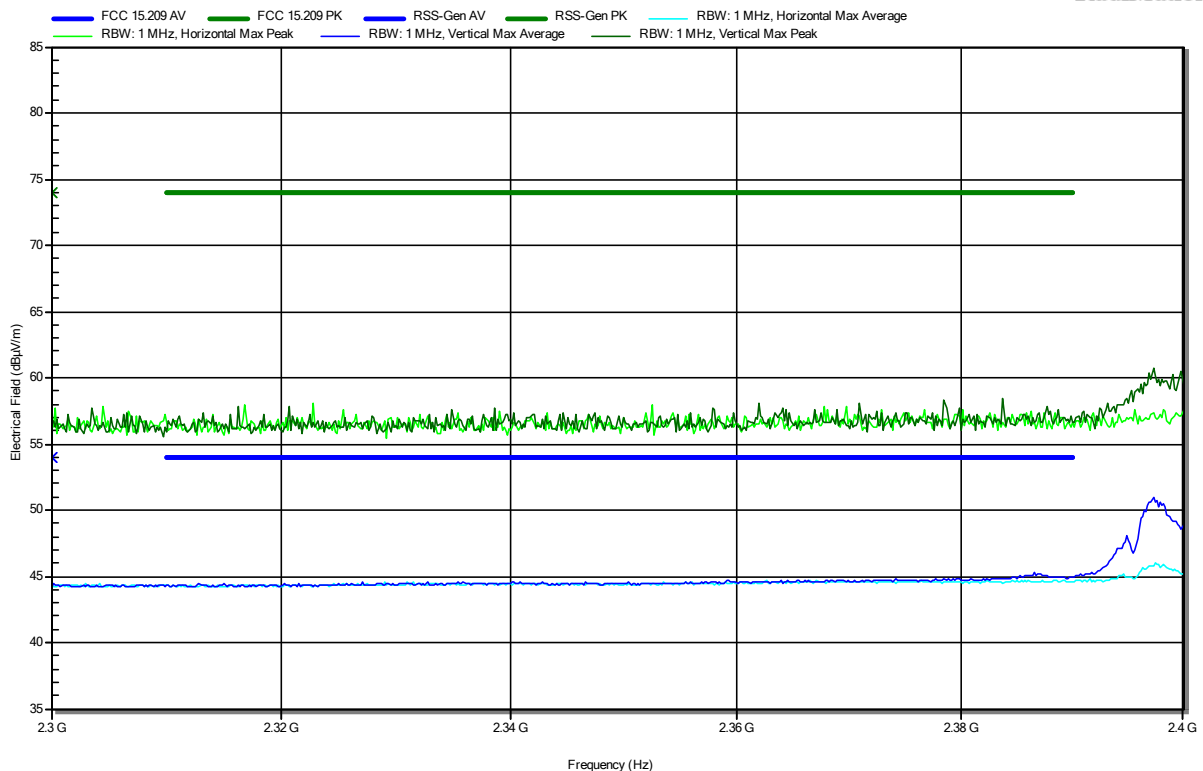
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-16
 Note: lower bandedge

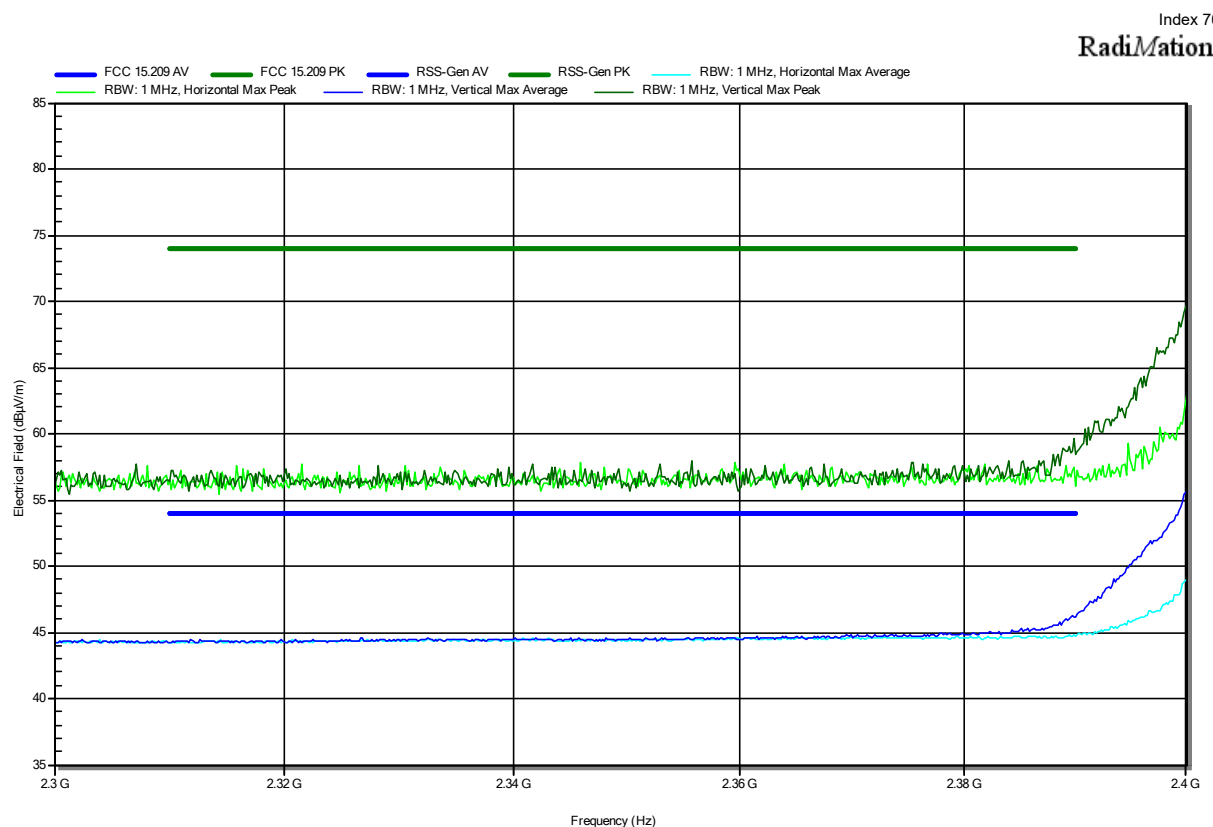
Index 69

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note: lower bandedge

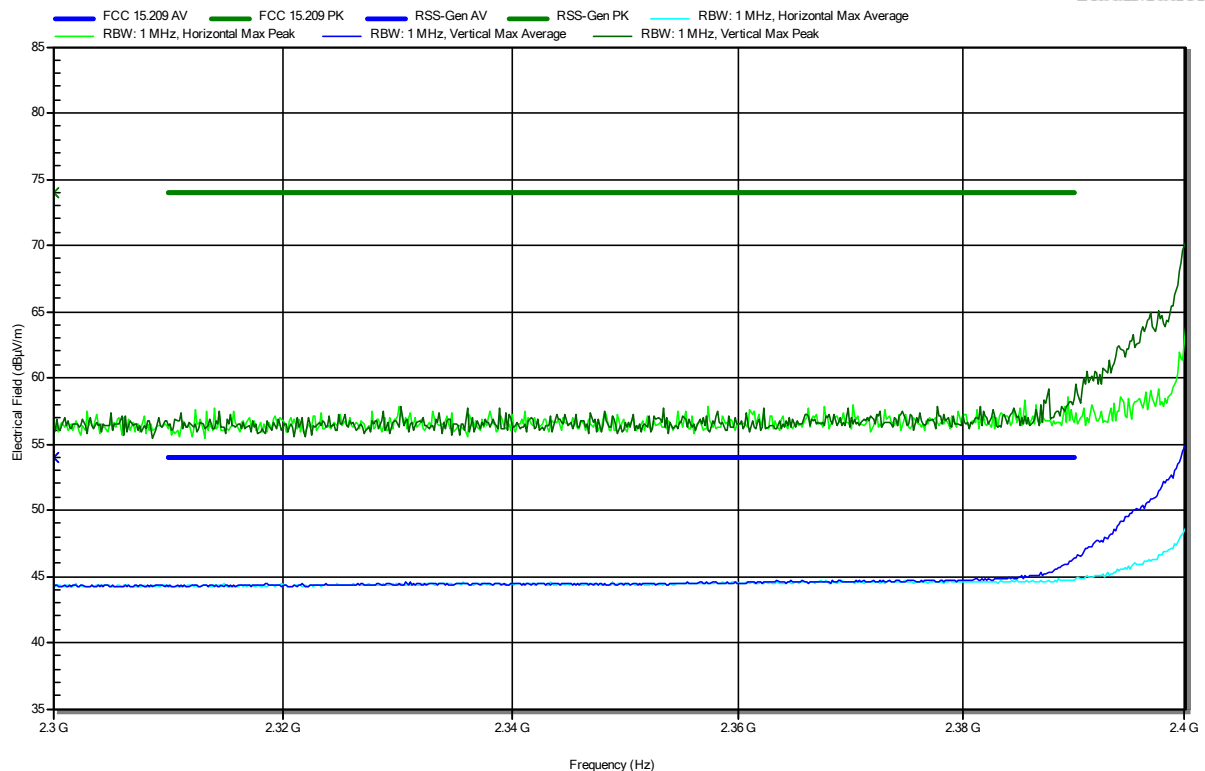


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 1; CH 1_2412 MHz; OFDM; HT20
 Test Date: 2022-09-16
 Note: lower bandedge

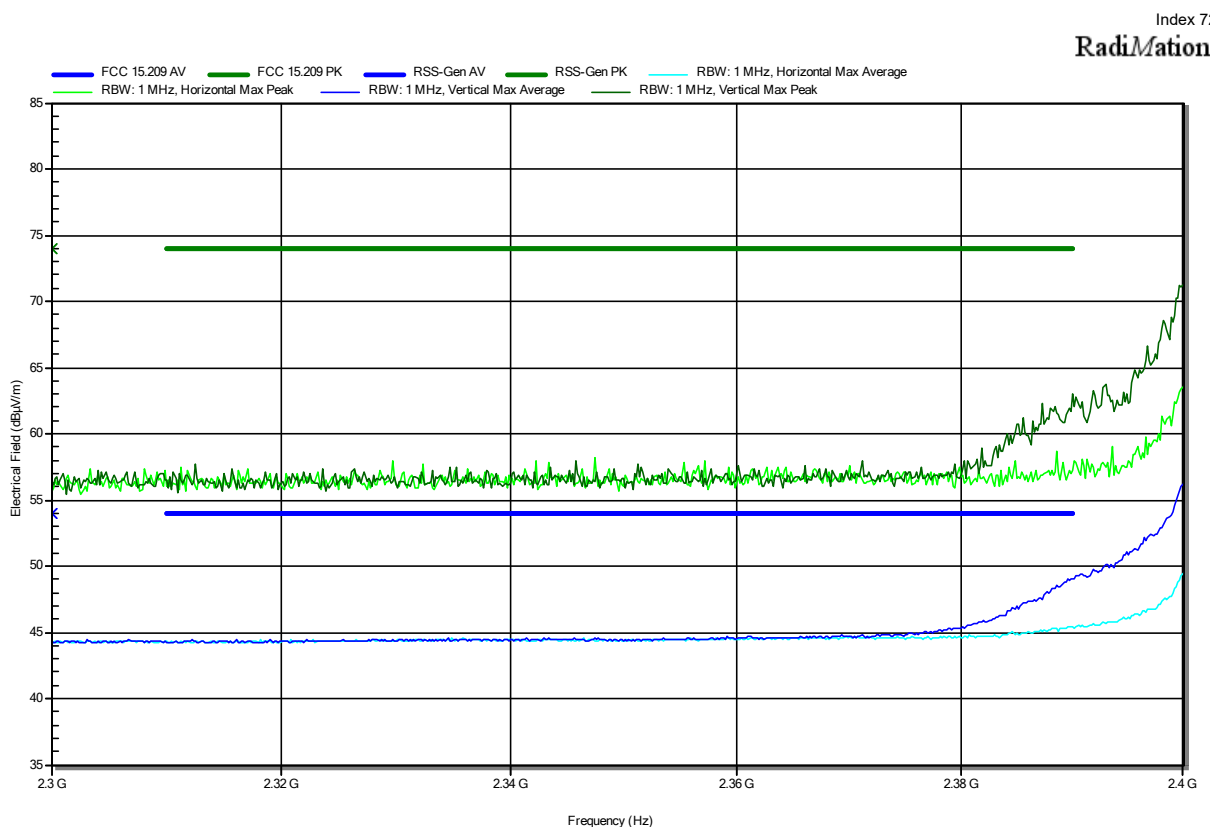
Index 71

RadiMation



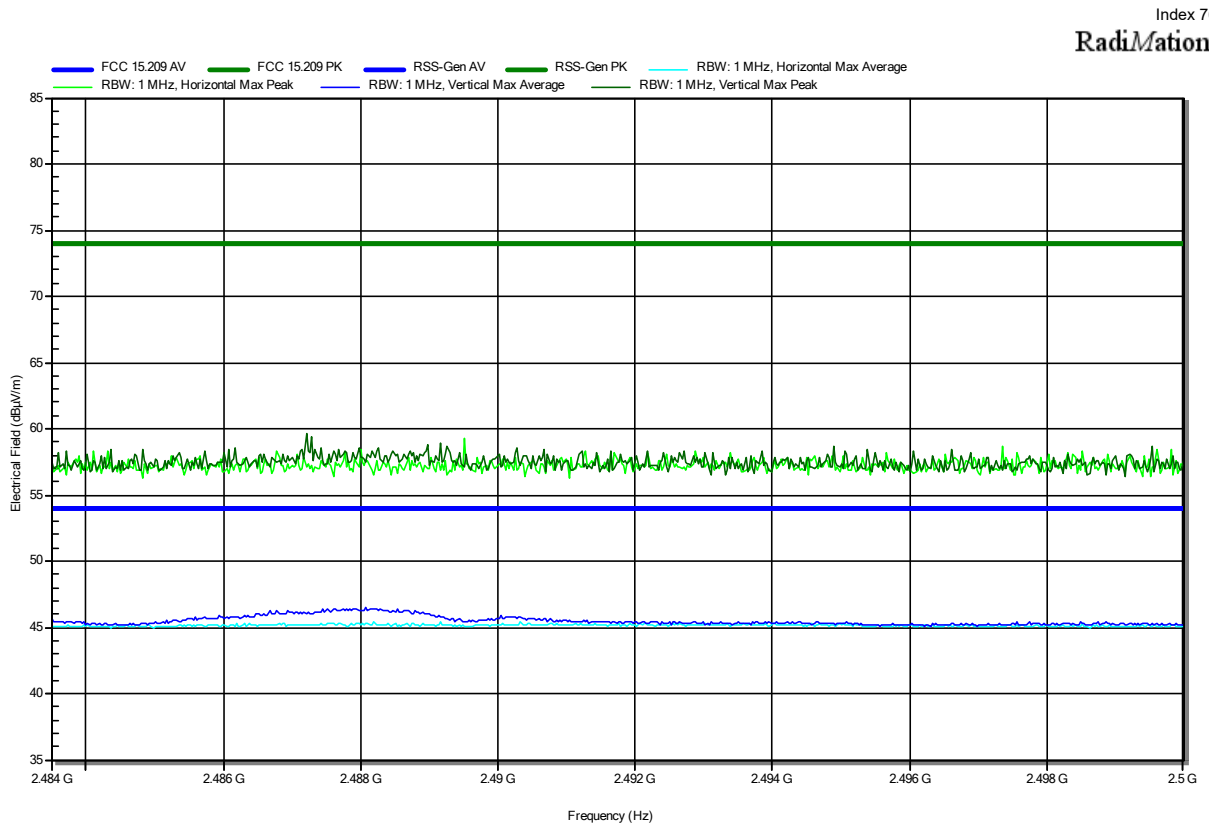
Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 0; CH 3_2422 MHz; OFDM; HT40
 Test Date: 2022-09-16
 Note: lower bandedge



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 11_2462 MHz; DSSS; BW20
 Test Date: 2022-09-16
 Note: upper bandedge

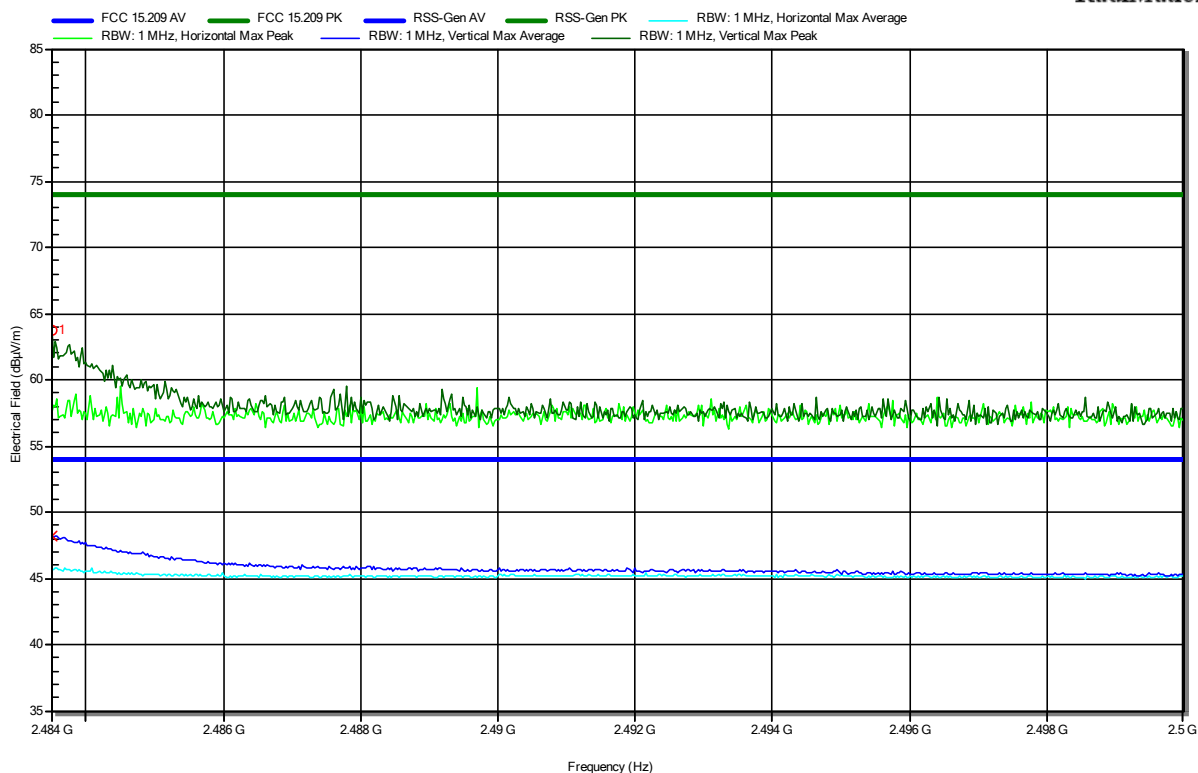


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note: upper bandedge

Index 75

RadiMation



Frequency 2.4835 GHz	Peak 63.76 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -10.24 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4835 GHz	Average 48.17 dBµV/m	Average Limit 54 dBµV/m	Average Difference -5.83 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

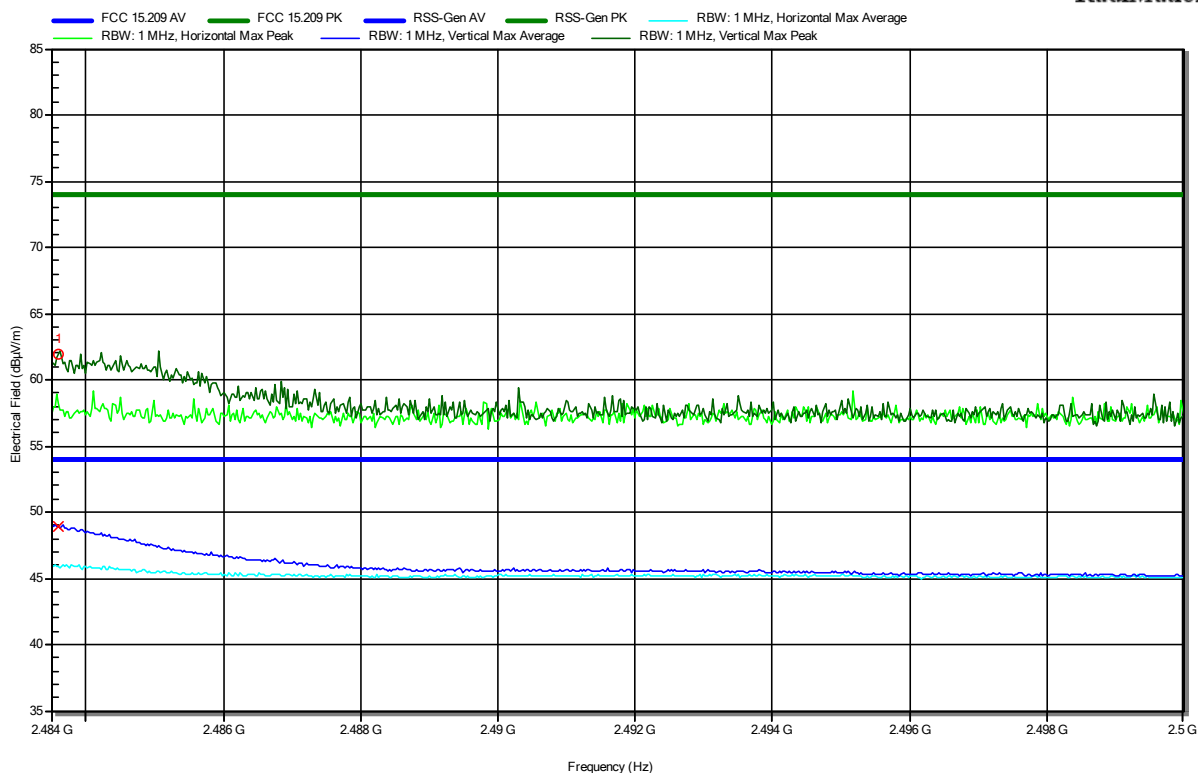
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-09-16
 Note: upper bandedge

Index 74

RadiMation



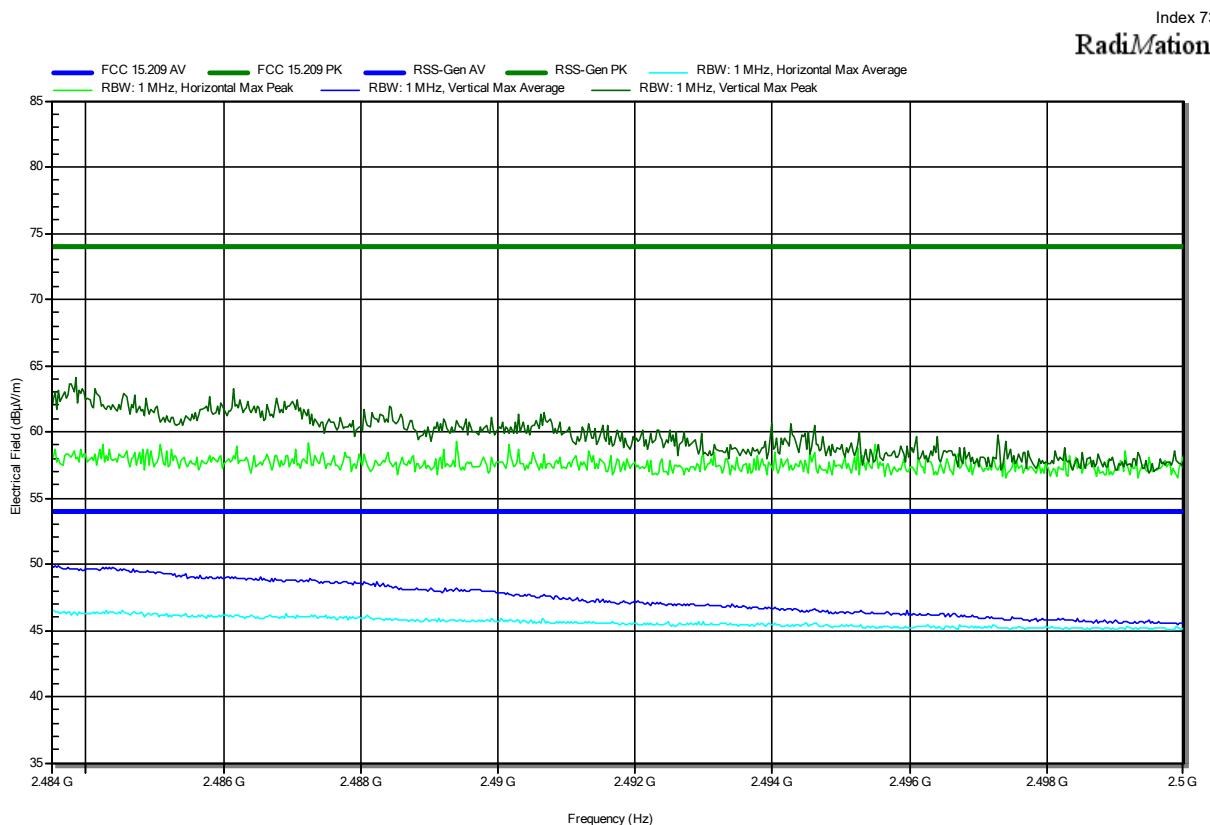
Frequency 2.4836 GHz	Peak 61.92 dBV/m	Peak Limit 74 dBV/m	Peak Difference -12.08 dB	Peak Status Pass	Polarization Vertical
Frequency 2.4836 GHz	Average 48.93 dBV/m	Average Limit 54 dBV/m	Average Difference -5.07 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 0; CH 9_2452 MHz; OFDM; HT40
 Test Date: 2022-09-16
 Note: upper bandedge

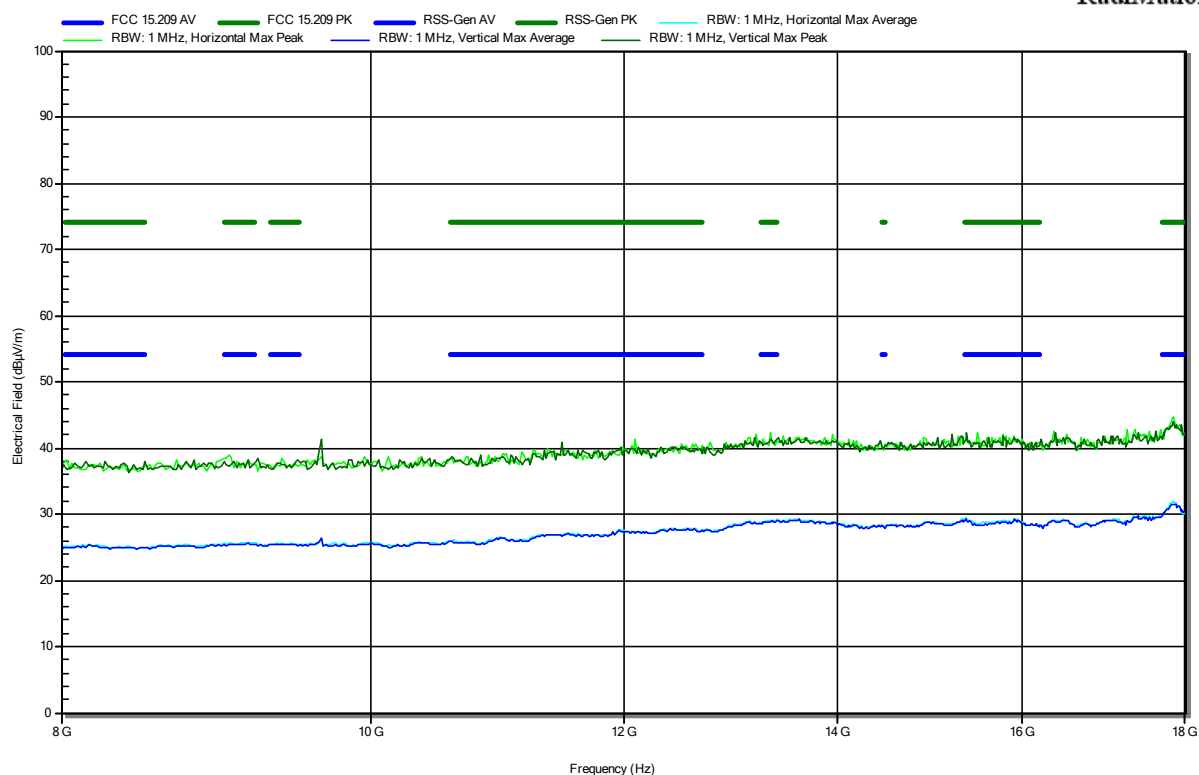


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-16
 Note:

Index 77

RadiMation

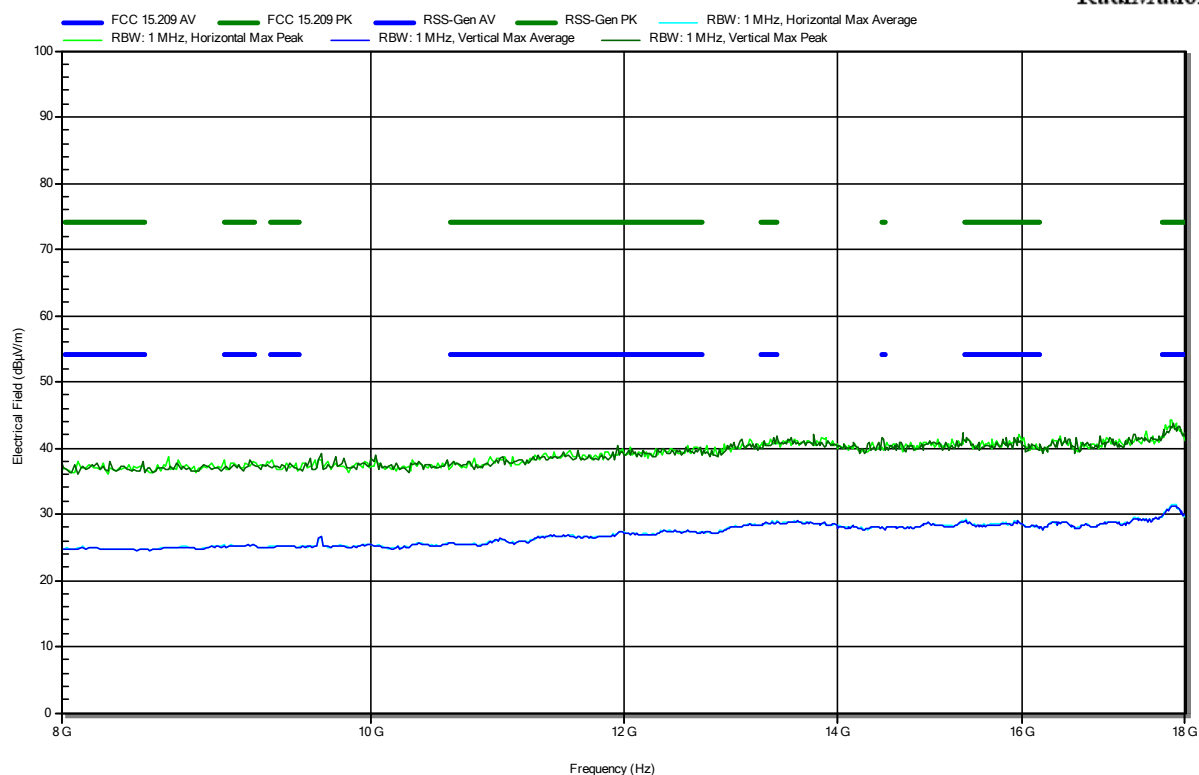


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

Index 78

RadiMation

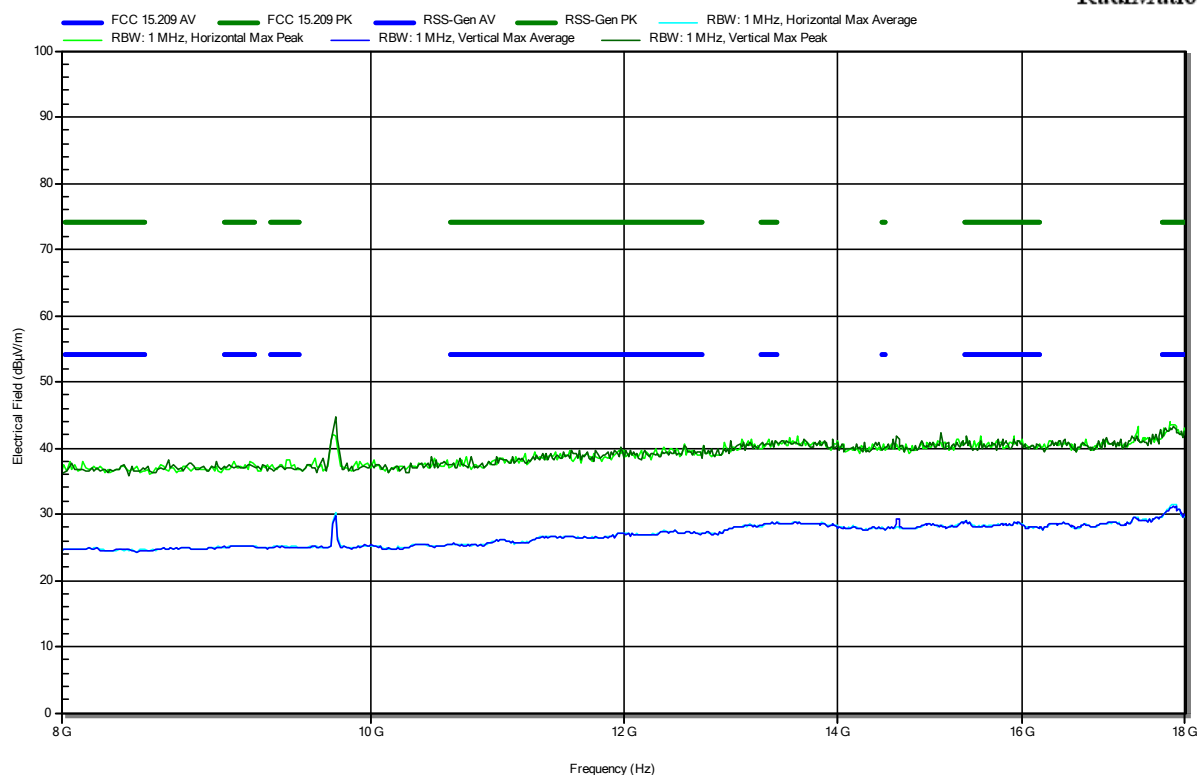


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

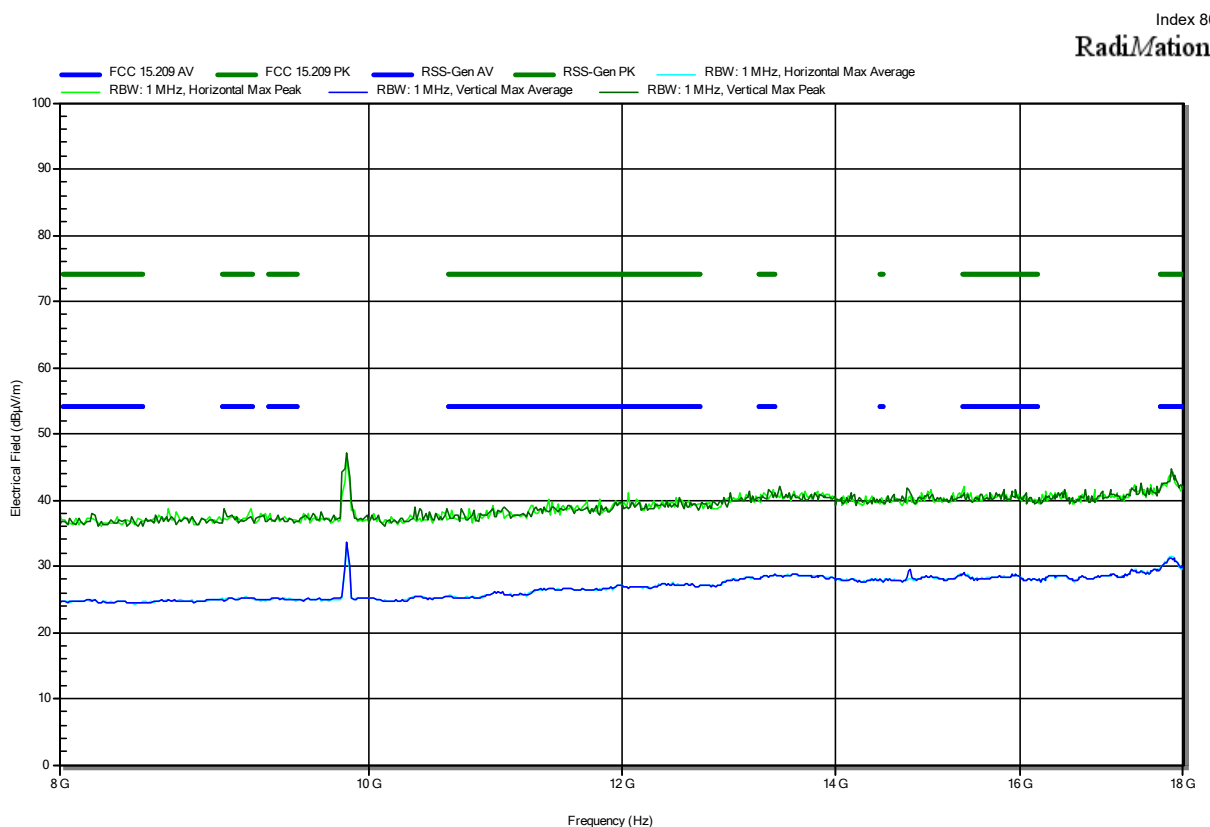
Index 79

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Pudell
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

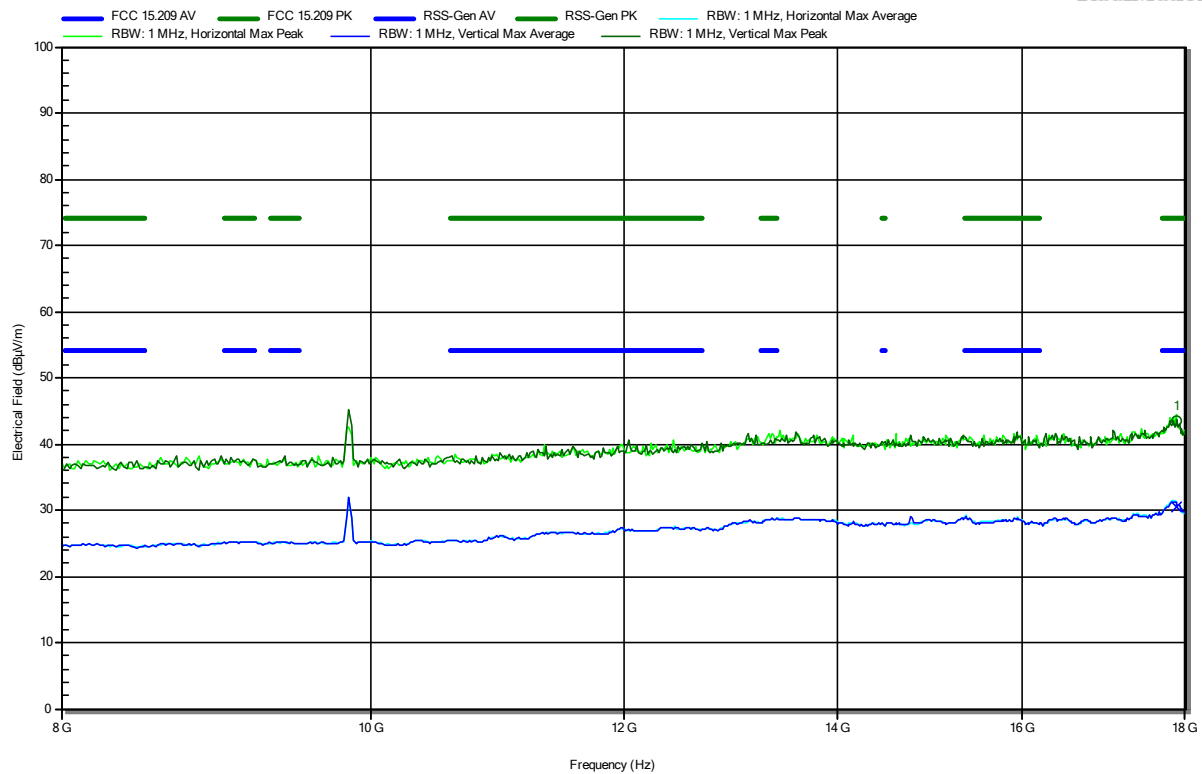


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-09-16
 Note:

Index 81

RadiMation



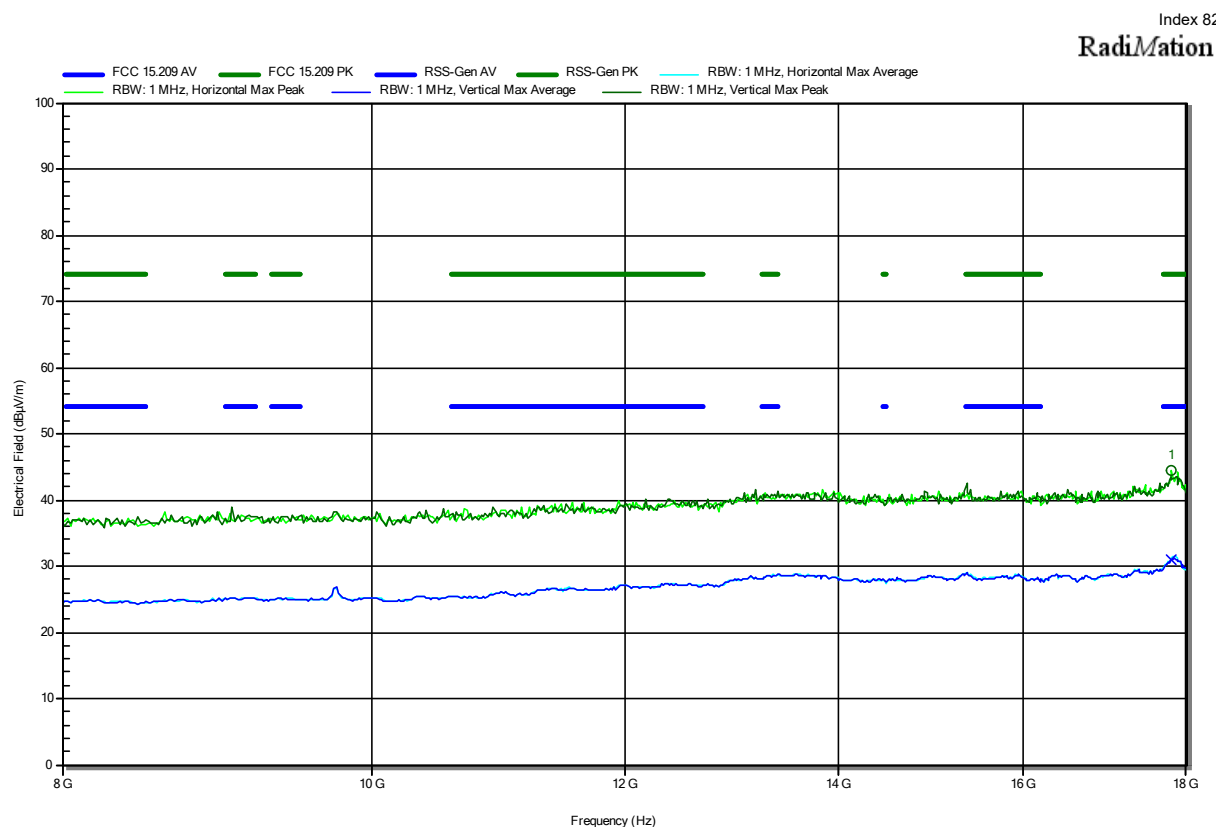
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
17.888 GHz	43.59 dBµV/m	74 dBµV/m	-30.41 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
17.888 GHz	30.38 dBµV/m	54 dBµV/m	-23.62 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 0; CH 6_2437 MHz; OFDM; HT40
 Test Date: 2022-09-16
 Note:



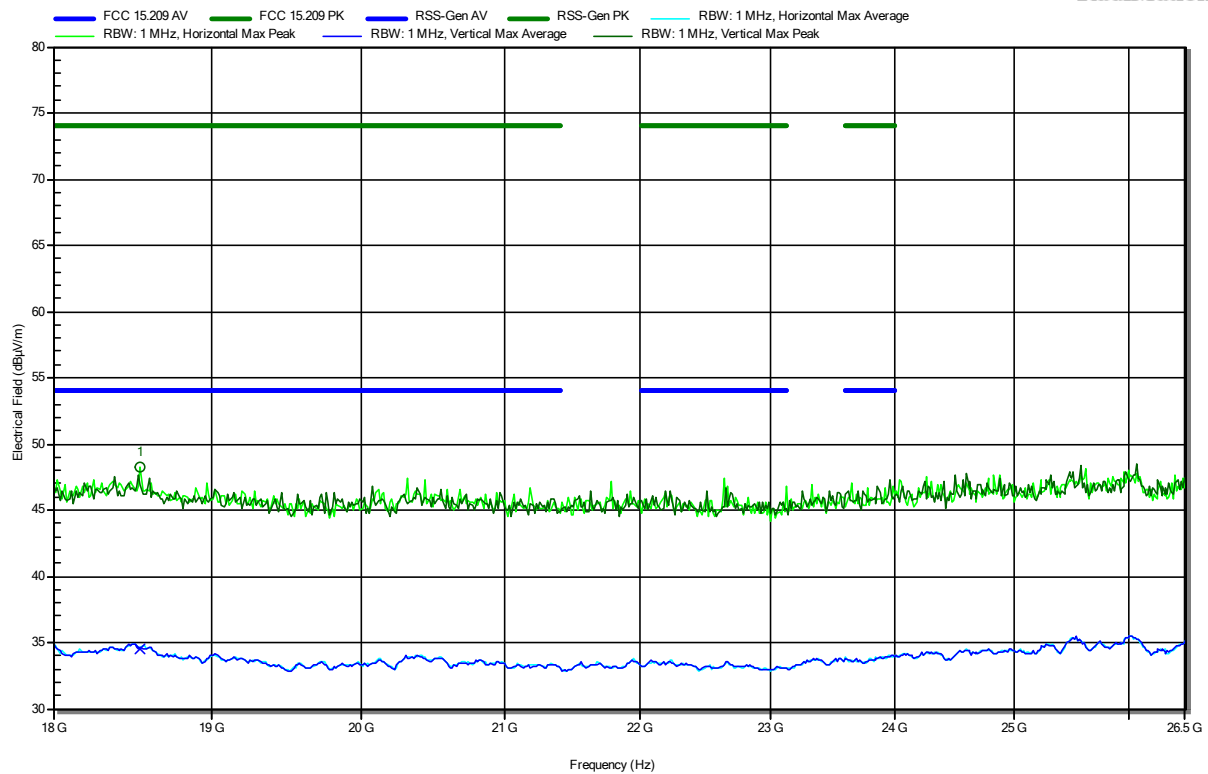
Frequency 17.808 GHz	Peak 44.41 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -29.59 dB	Peak Status Pass	Polarization Horizontal
Frequency 17.808 GHz	Average 31 dBµV/m	Average Limit 54 dBµV/m	Average Difference -23 dB	Average Status Pass	Polarization Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-09-16
 Note:

Index 85

RadiMation



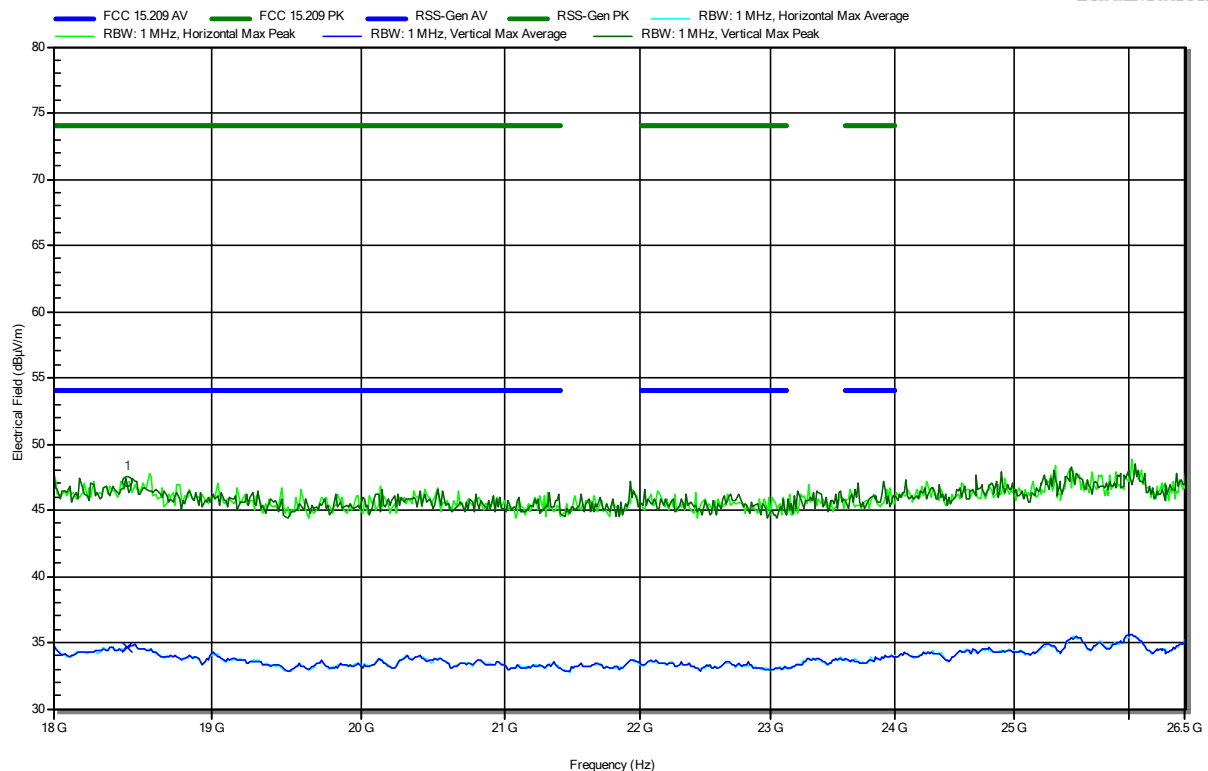
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.545 GHz	48.21 dBμV/m	74 dBμV/m	-25.79 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.545 GHz	34.51 dBμV/m	54 dBμV/m	-19.49 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

Index 86

RadiMation



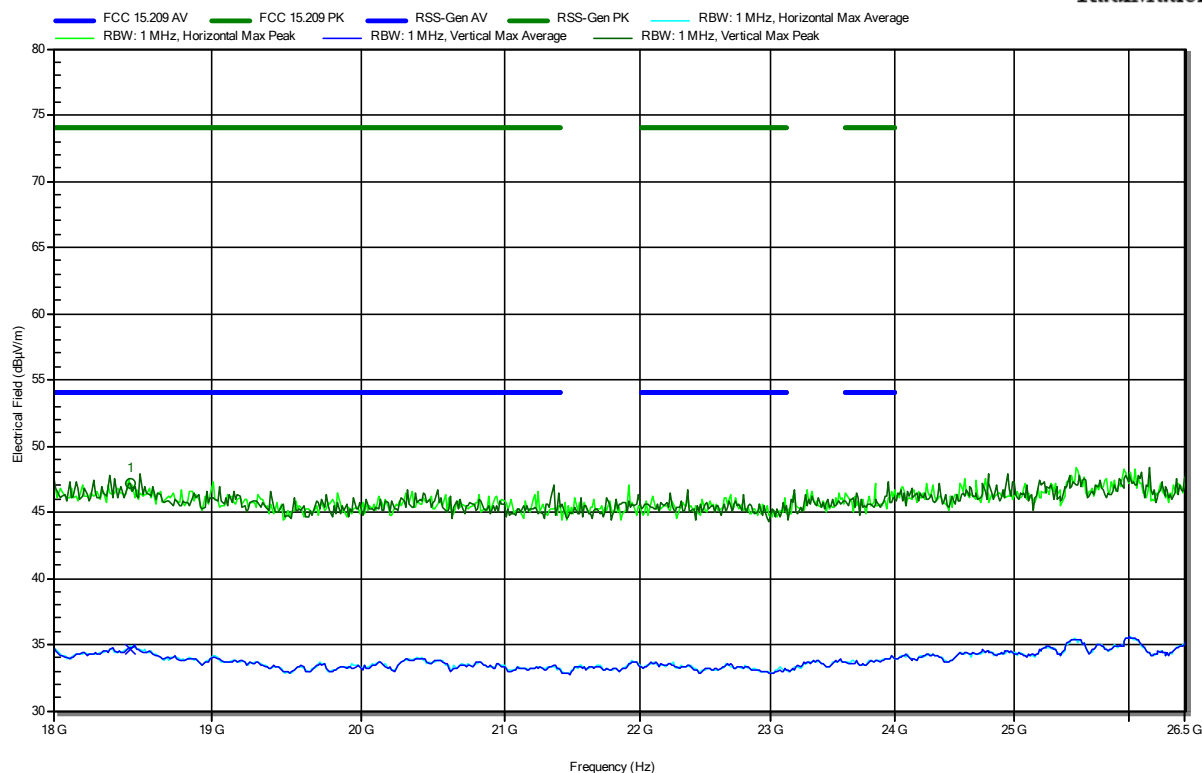
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.463 GHz	47.17 dBμV/m	74 dBμV/m	-26.83 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.463 GHz	34.61 dBμV/m	54 dBμV/m	-19.39 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:

Index 87

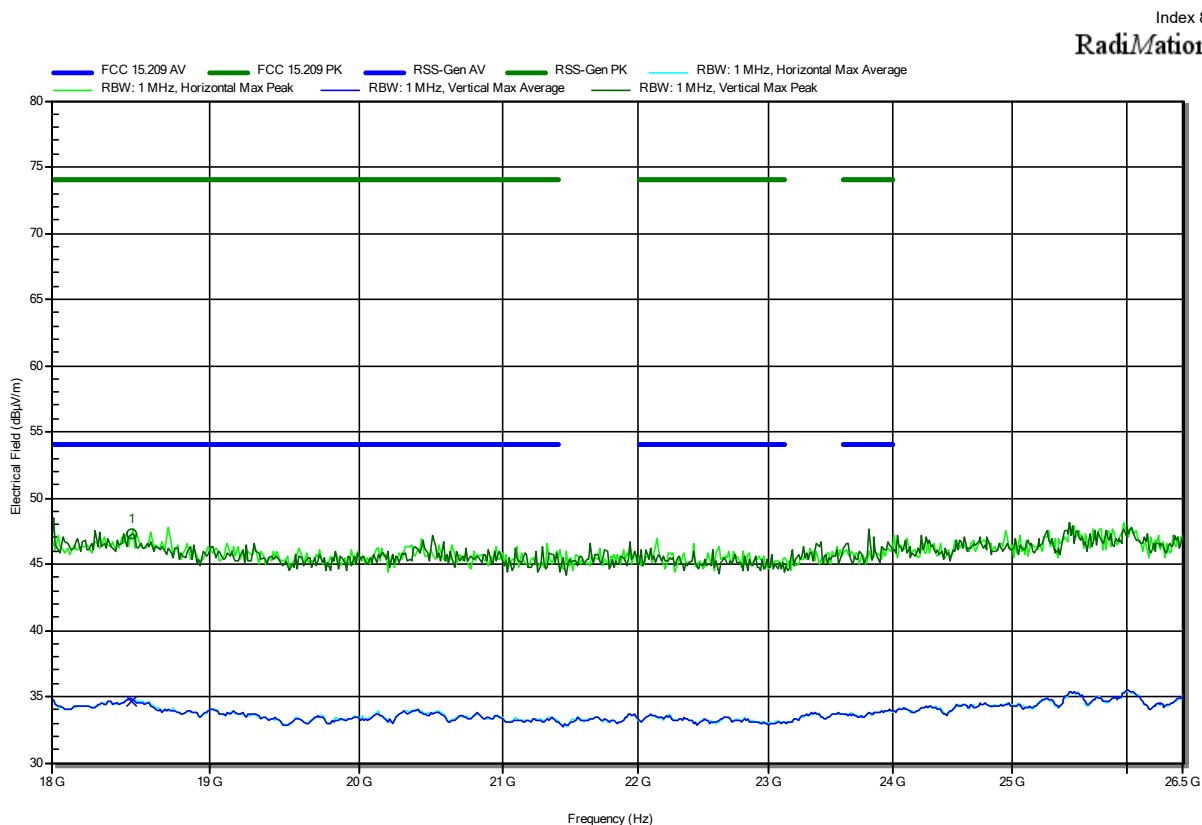
RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.477 GHz	47.18 dBμV/m	74 dBμV/m	-26.82 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.477 GHz	34.58 dBμV/m	54 dBμV/m	-19.42 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-09-16
 Note:



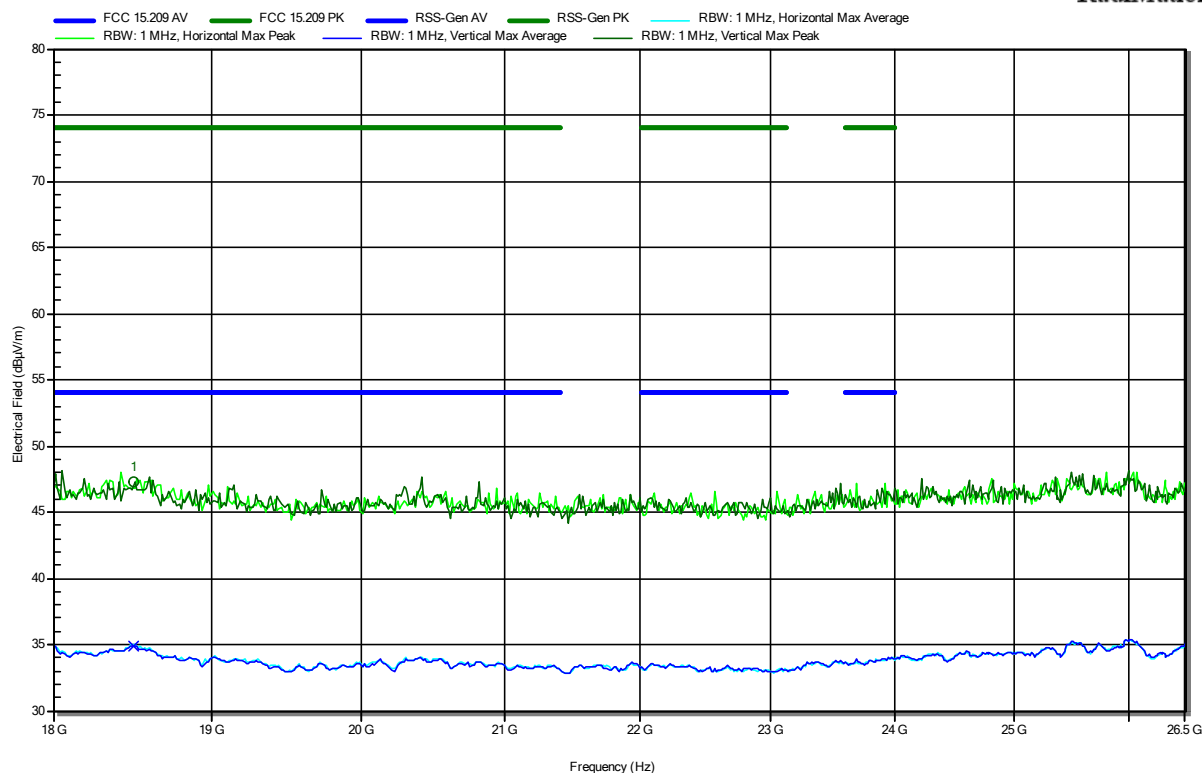
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.504 GHz	47.3 dBµV/m	74 dBµV/m	-26.7 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.504 GHz	34.69 dBµV/m	54 dBµV/m	-19.31 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-09-16
 Note:

Index 84

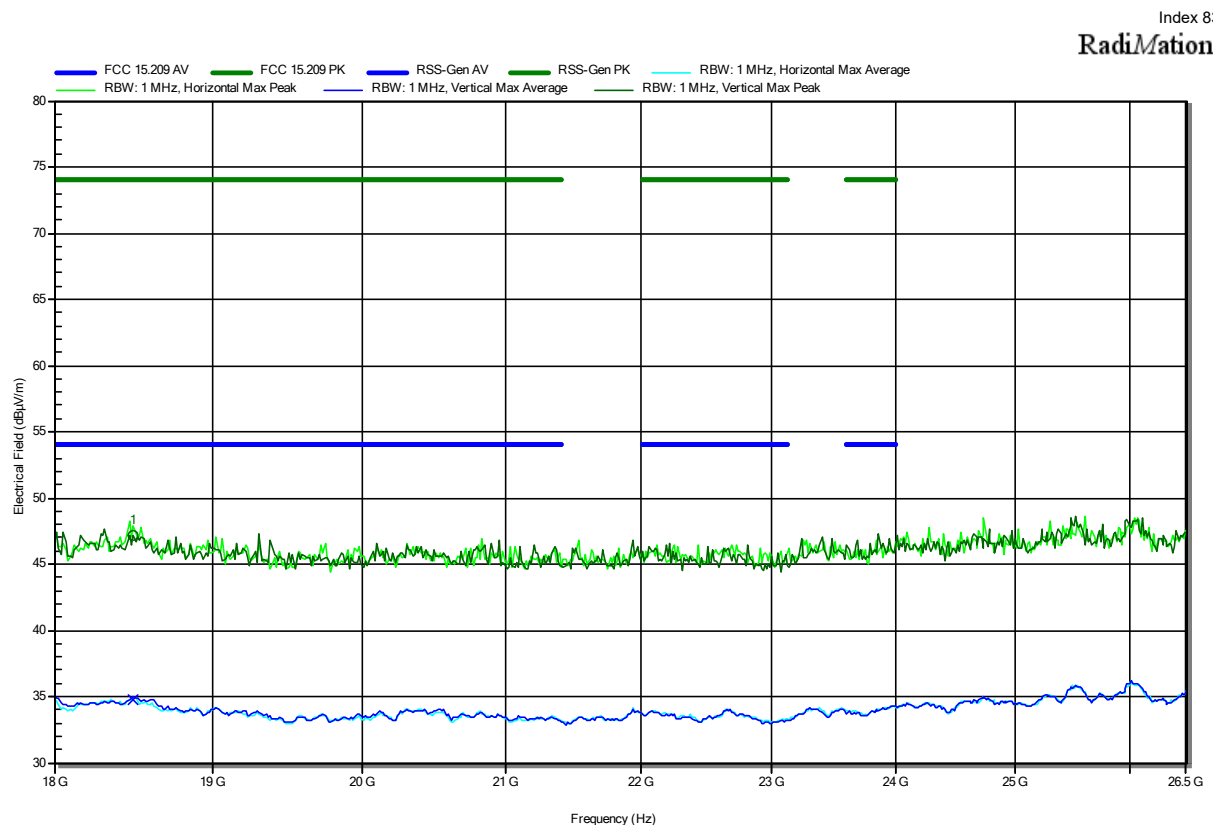
RadiMation



Frequency 18.504 GHz	Peak 47.33 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -26.67 dB	Peak Status Pass	Polarization Vertical
Frequency 18.504 GHz	Average 34.82 dBμV/m	Average Limit 54 dBμV/m	Average Difference -19.18 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247 Issue 2

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 23 °Celsius, Vnom: 3.3 VDC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS 0; CH 6_2437 MHz; OFDM; HT40
 Test Date: 2022-09-16
 Note:

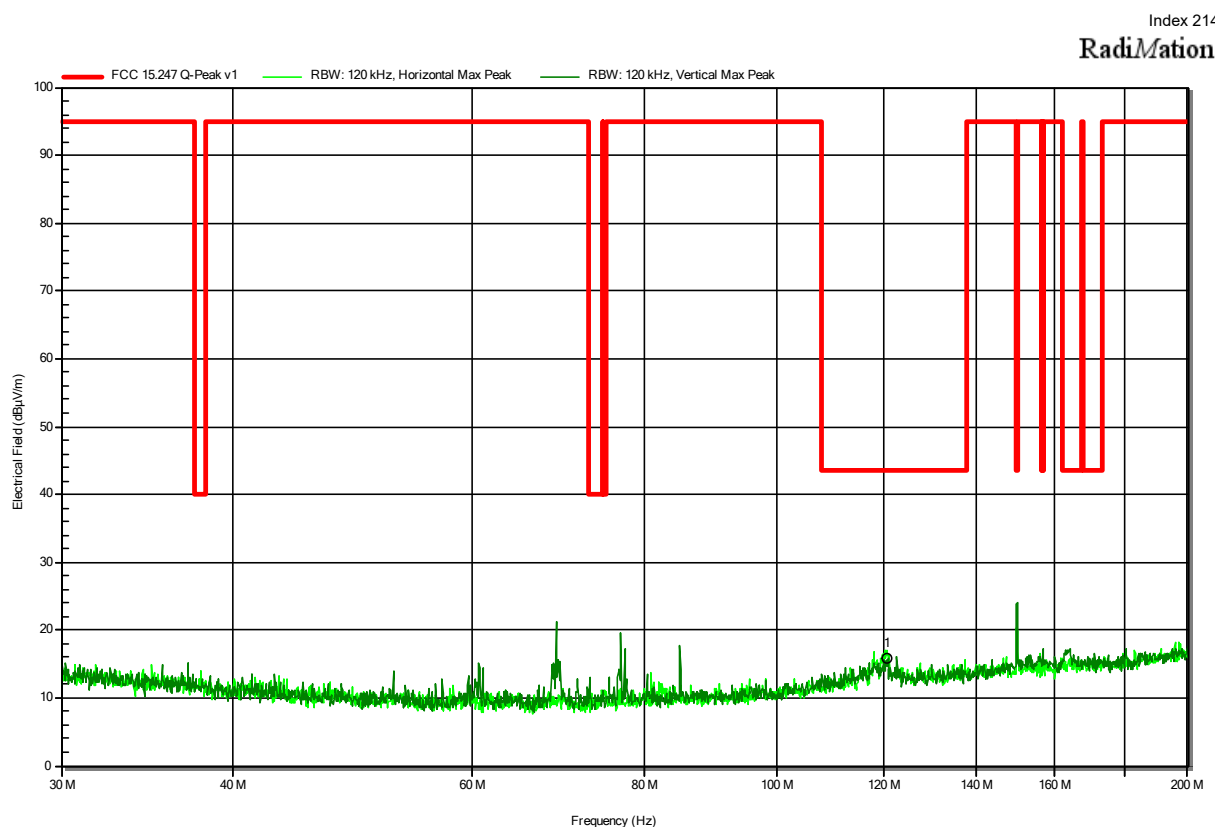


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.49 GHz	47.2 dBμV/m	74 dBμV/m	-26.8 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.49 GHz	34.78 dBμV/m	54 dBμV/m	-19.22 dB	Pass	Vertical

ANNEX C Transmitter spurious emissions (Tested variant 2)

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-11-11
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
120.661 MHz	15.8 dBµV/m	43.5 dBµV/m	-27.67 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

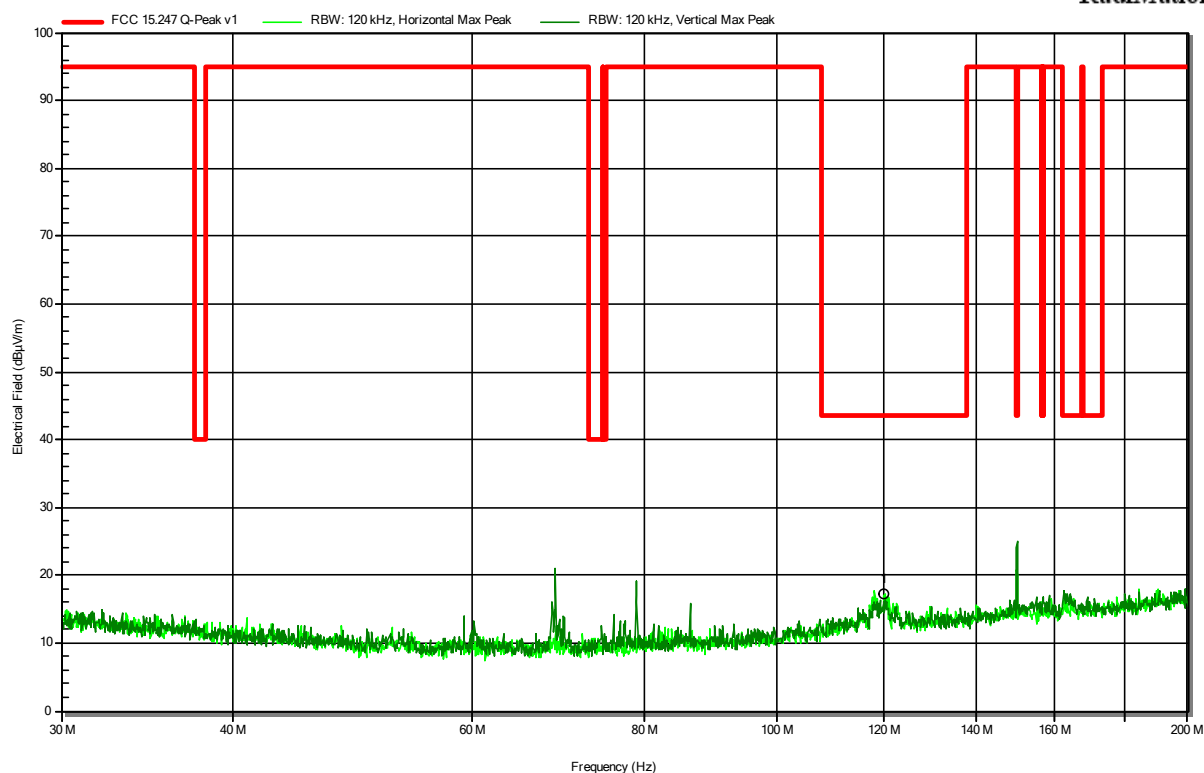
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-11-11
 Note:

Index 215

RadiMation



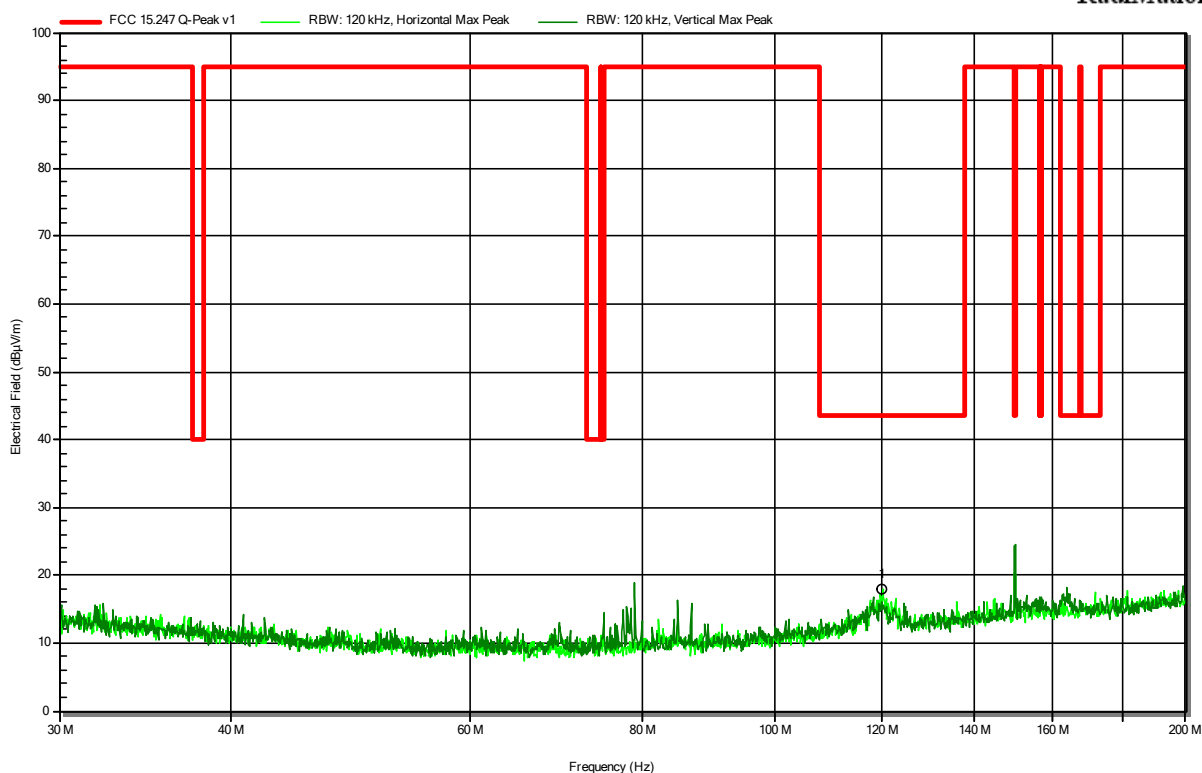
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
119.9682 MHz	17.2 dBµV/m	43.5 dBµV/m	-26.28 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-11-11
 Note:

Index 216

RadiMation



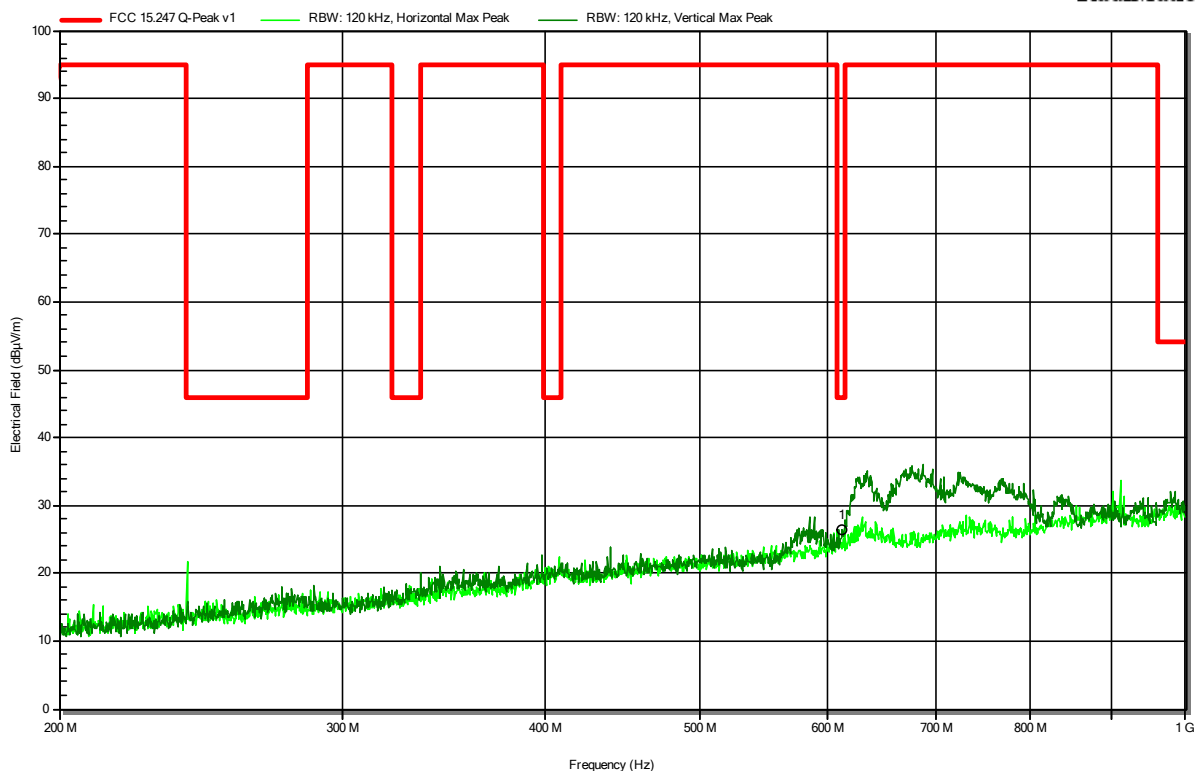
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
119.9852 MHz	18 dBµV/m	43.5 dBµV/m	-25.48 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-11-11
 Note:

Index 219

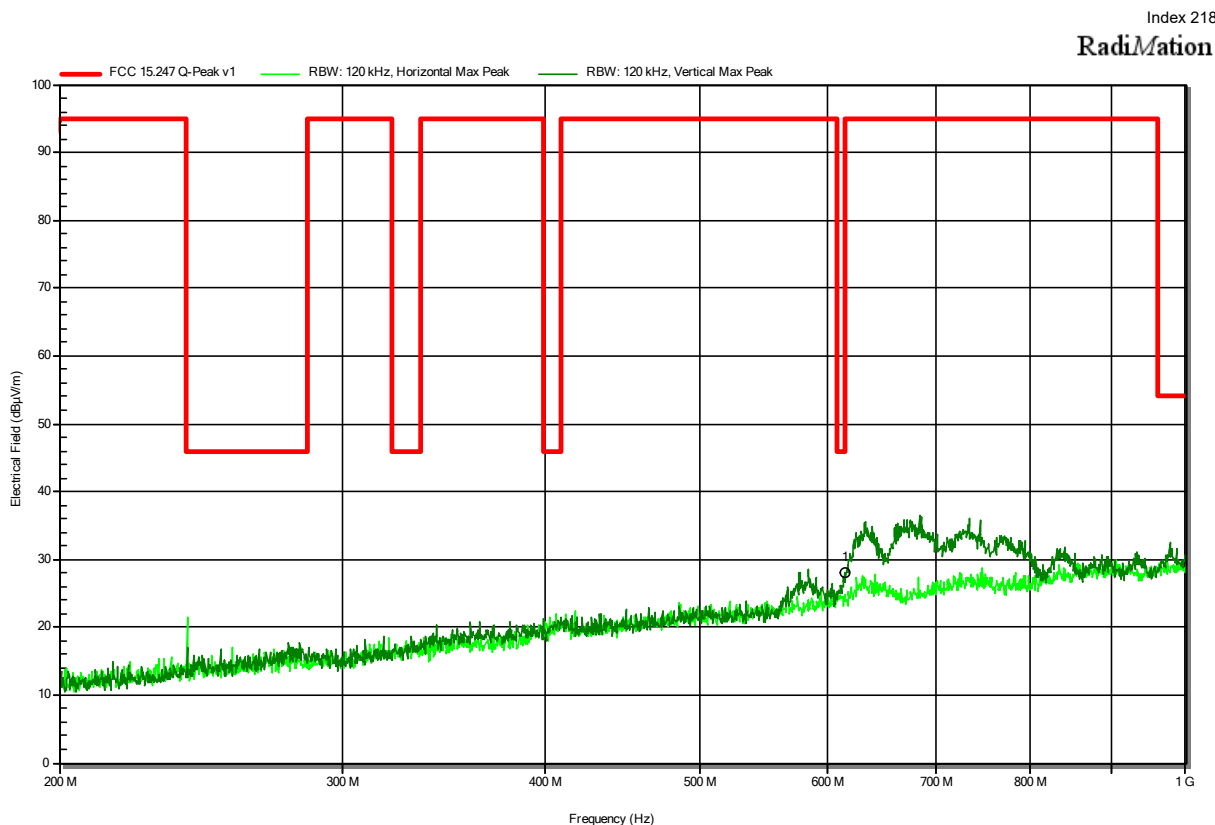
RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
611.58 MHz	26.4 dBµV/m	46 dBµV/m	-19.58 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-11-11
 Note:



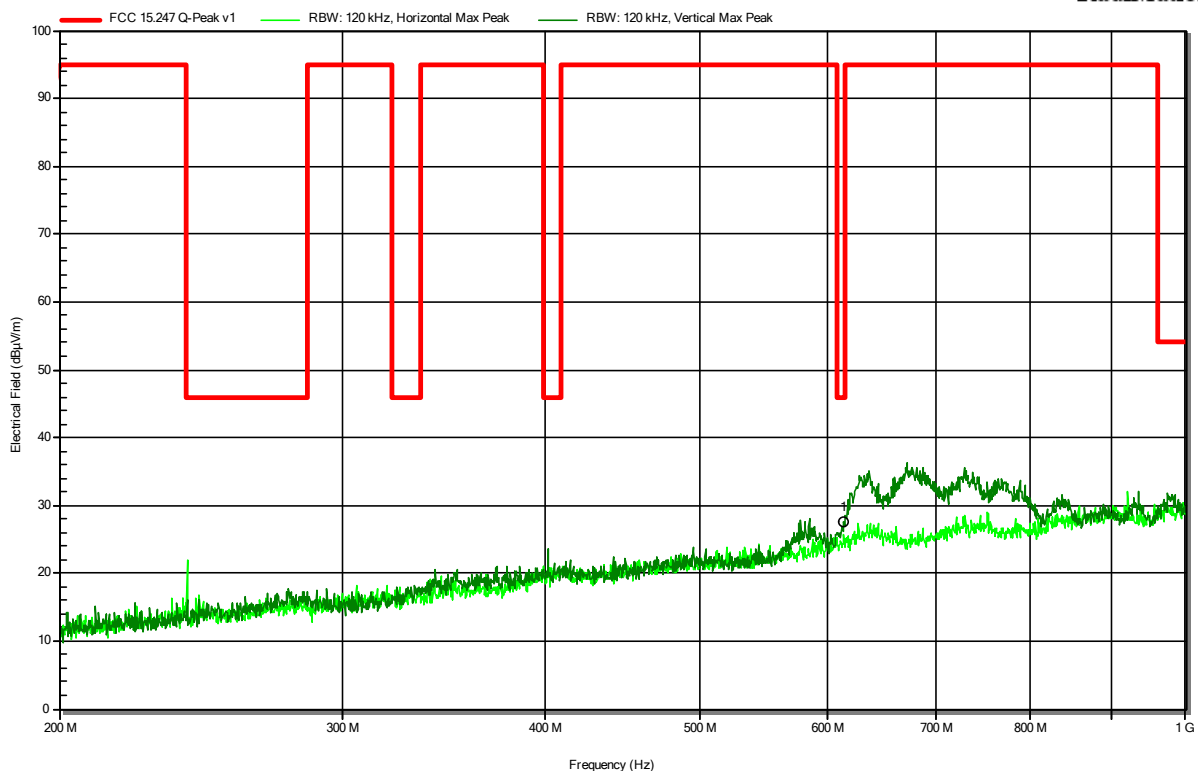
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
614.16 MHz	28 dBµV/m	95 dBµV/m	-67.02 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-11-11
 Note:

Index 217

RadiMation



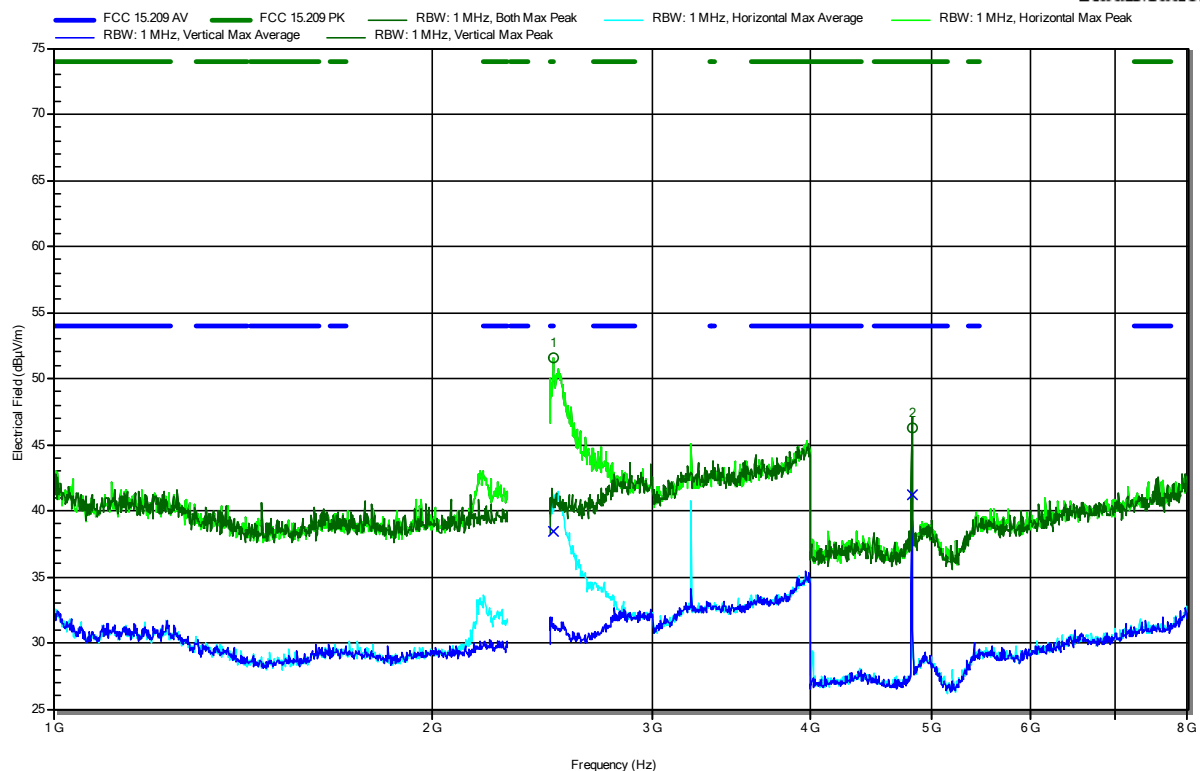
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
613.6 MHz	27.6 dBµV/m	46 dBµV/m	-18.38 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-10-20
 Note:

Index 194

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4996 GHz	51.52 dBµV/m	74 dBµV/m	-22.48 dB	Pass	Horizontal
4.824 GHz	46.28 dBµV/m	74 dBµV/m	-27.72 dB	Pass	Vertical

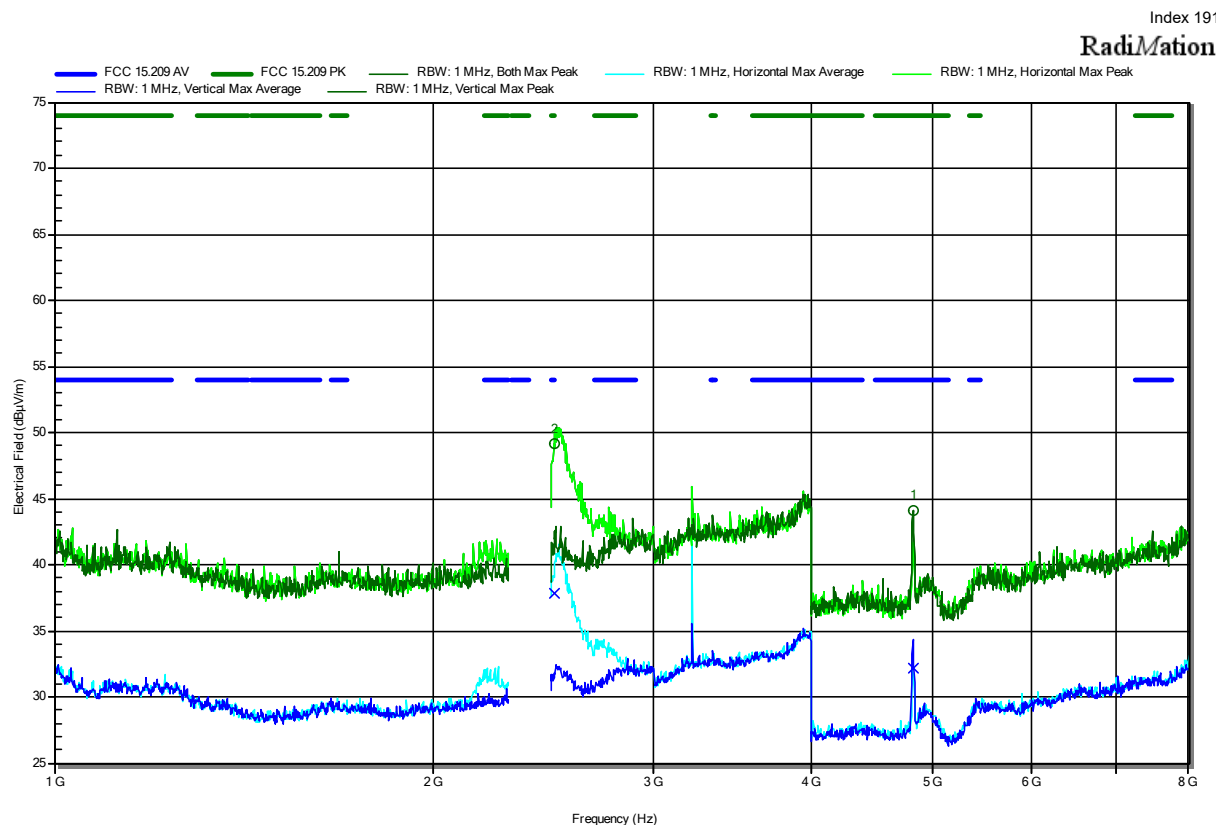
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4996 GHz	38.48 dBµV/m	54 dBµV/m	-15.52 dB	Pass	Horizontal
4.824 GHz	41.25 dBµV/m	54 dBµV/m	-12.75 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-10-19
 Note:

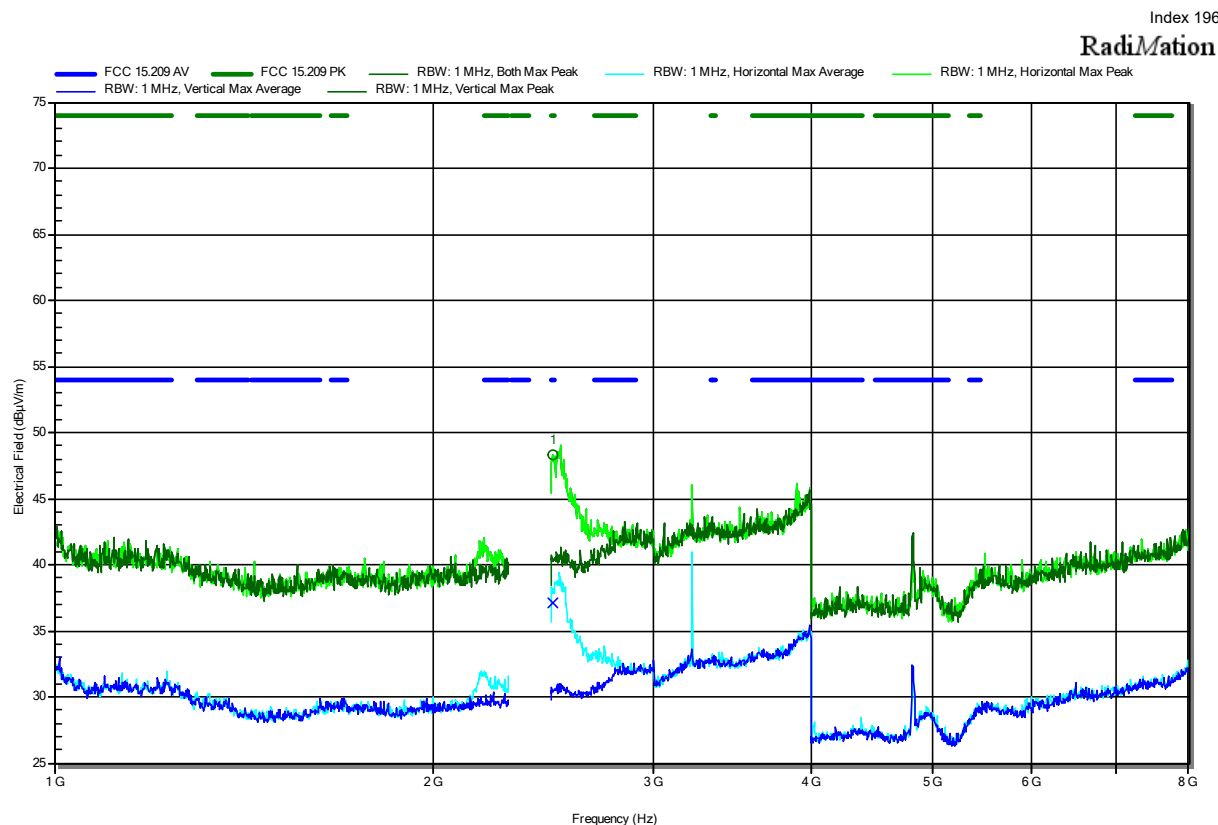


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4983 GHz	49.13 dBµV/m	74 dBµV/m	-24.87 dB	Pass	Horizontal
4.8277 GHz	44.1 dBµV/m	74 dBµV/m	-29.9 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4983 GHz	37.85 dBµV/m	54 dBµV/m	-16.15 dB	Pass	Horizontal
4.8277 GHz	32.22 dBµV/m	54 dBµV/m	-21.78 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 1_2412 MHz; OFDM; HT20
 Test Date: 2022-10-20
 Note:



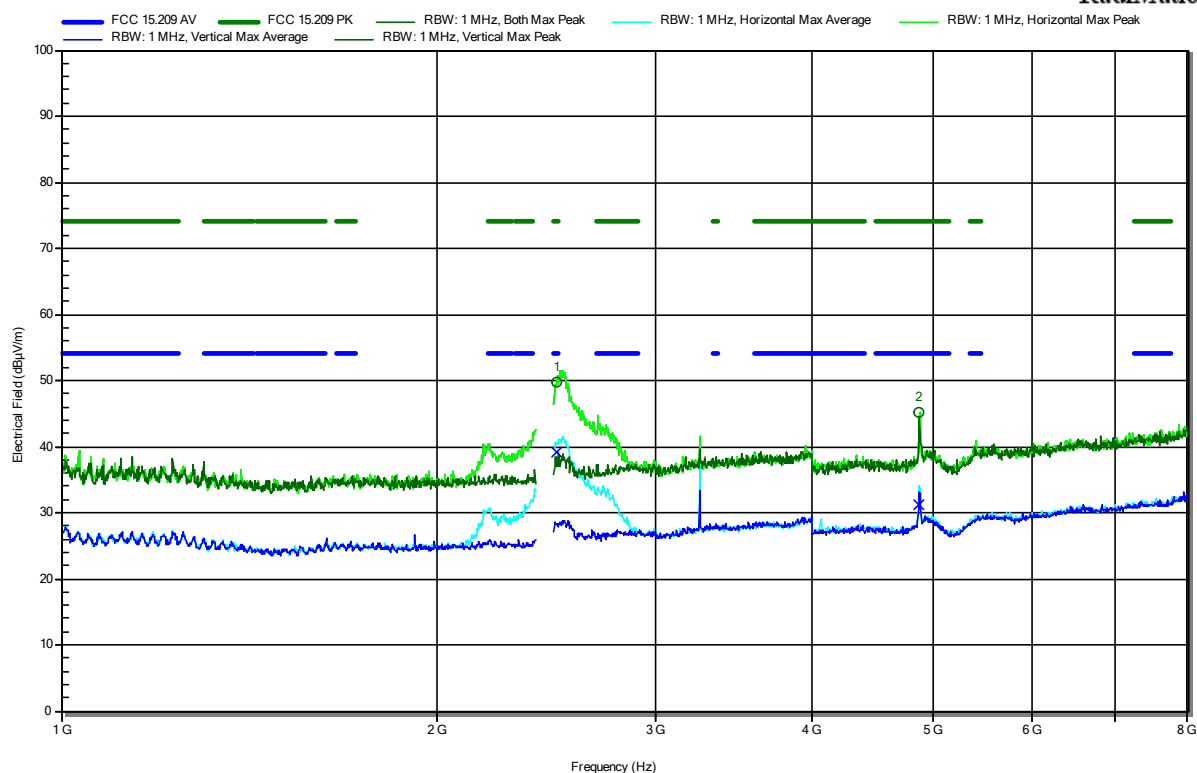
Frequency 2.4926 GHz	Peak 48.34 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -25.66 dB	Peak Status Pass	Polarization Horizontal
Frequency 2.4926 GHz	Average 37.06 dBµV/m	Average Limit 54 dBµV/m	Average Difference -16.94 dB	Average Status Pass	Polarization Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-10-20
 Note:

Index 193

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4947 GHz	49.77 dBμV/m	74 dBμV/m	-24.23 dB	Pass	Horizontal
4.8756 GHz	45.24 dBμV/m	74 dBμV/m	-28.76 dB	Pass	Horizontal

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4947 GHz	39.15 dBμV/m	54 dBμV/m	-14.85 dB	Pass	Horizontal
4.8756 GHz	31.19 dBμV/m	54 dBμV/m	-22.81 dB	Pass	Horizontal

Test Report No.: G0M-2205-1454-TFC247WF-V02

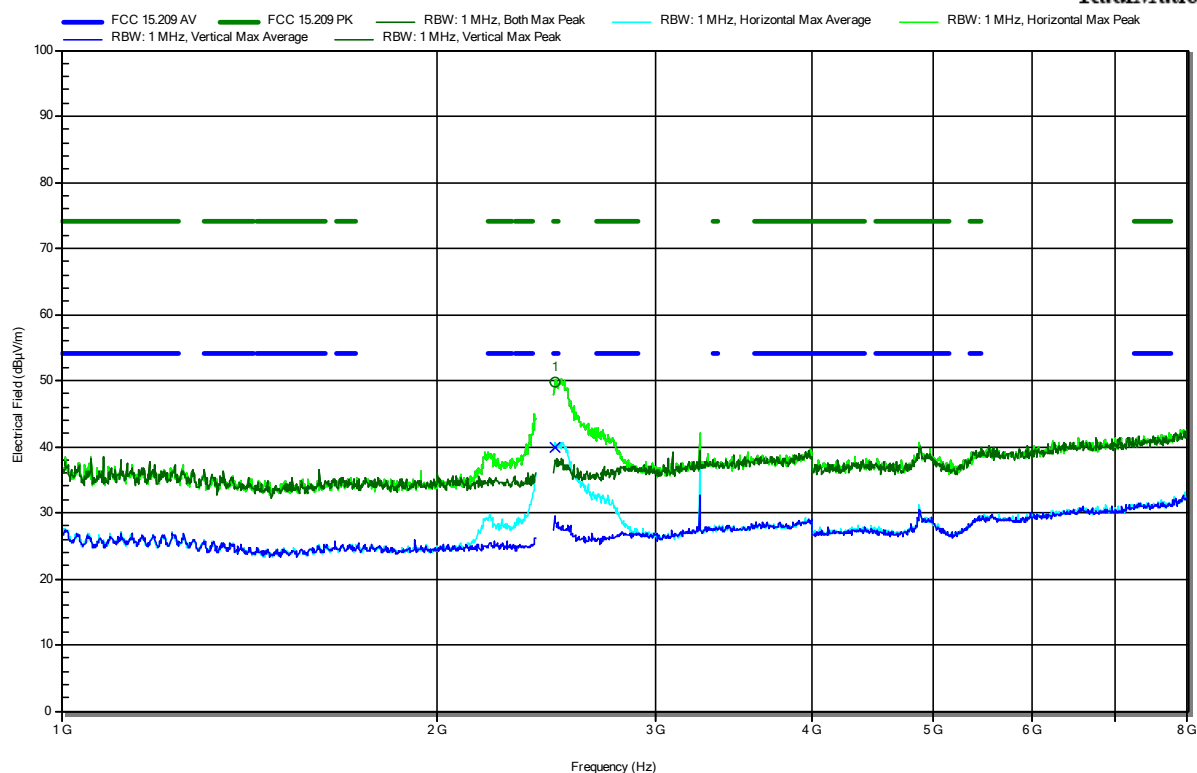
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 6_2437 MHz; OFDM; HT40
 Test Date: 2022-10-20
 Note:

Index 198

RadiMation



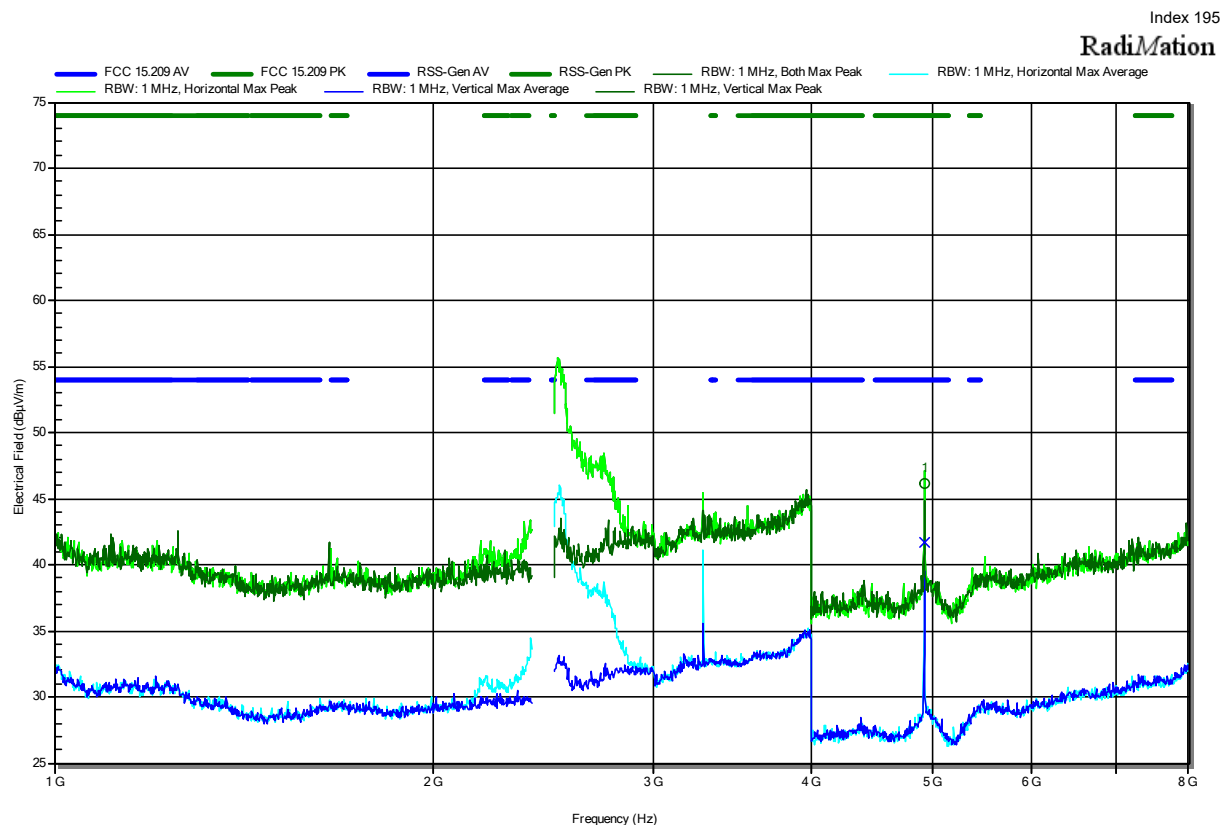
Frequency 2.489 GHz	Peak 49.87 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -24.13 dB	Peak Status Pass	Polarization Horizontal
Frequency 2.489 GHz	Average 39.94 dBµV/m	Average Limit 54 dBµV/m	Average Difference -14.06 dB	Average Status Pass	Polarization Horizontal

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 11_2462 MHz; DSSS; BW20
 Test Date: 2022-10-20
 Note:



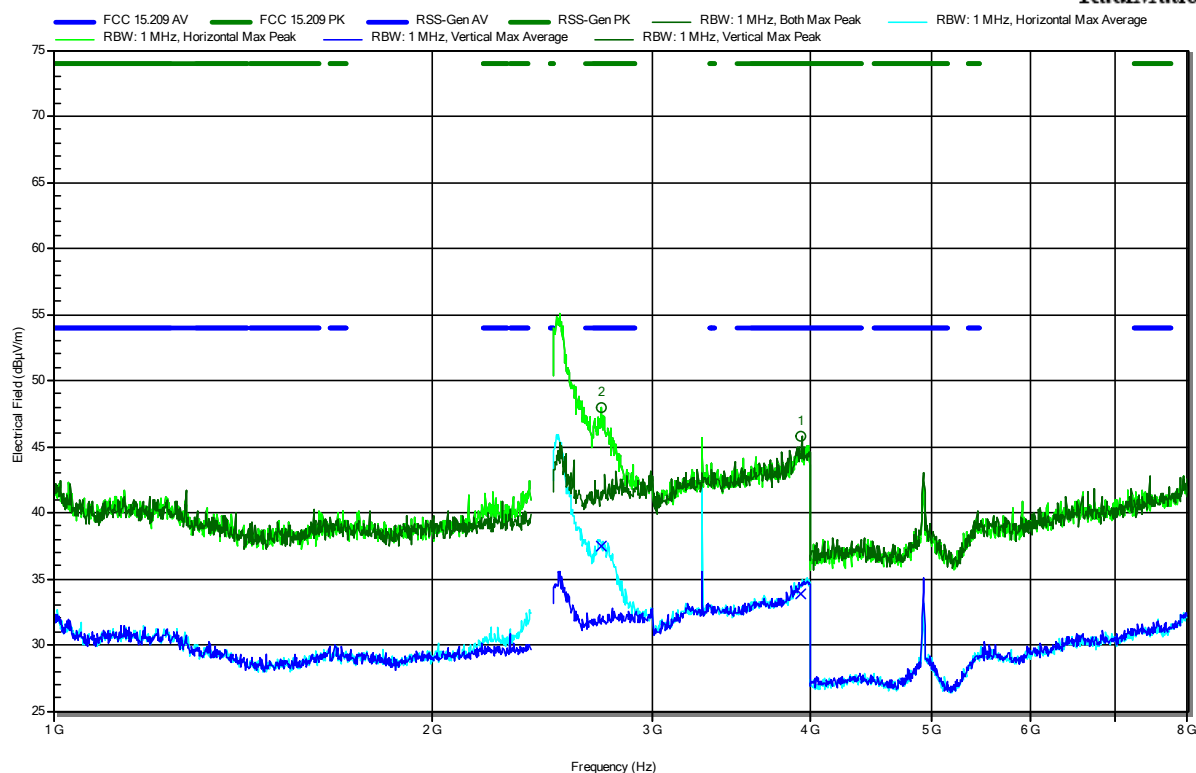
Frequency 4.924 GHz	Peak 46.17 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -27.83 dB	Peak Status Pass	Polarization Horizontal
Frequency 4.924 GHz	Average 41.71 dBµV/m	Average Limit 54 dBµV/m	Average Difference -12.29 dB	Average Status Pass	Polarization Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-10-19
 Note:

Index 192

RadiMation

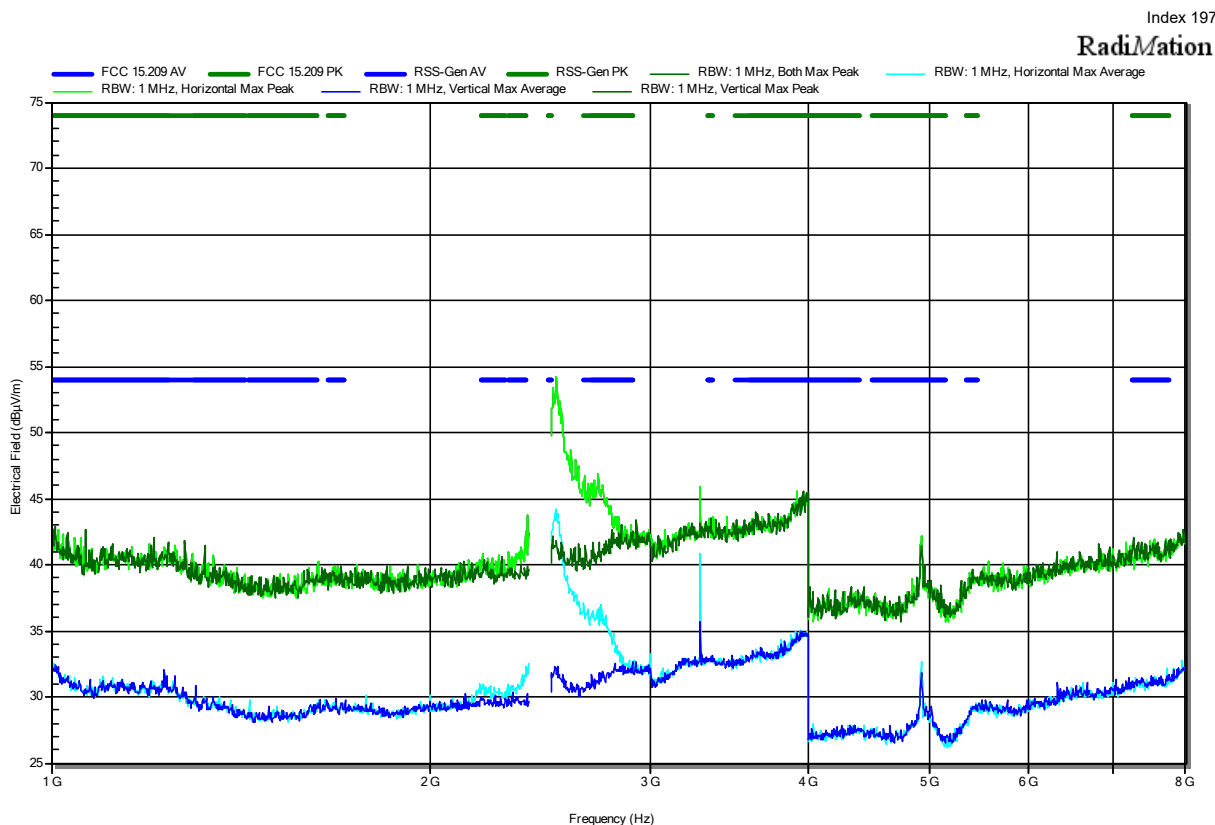


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.728 GHz	47.91 dBµV/m	74 dBµV/m	-26.09 dB	Pass	Horizontal
3.941 GHz	45.81 dBµV/m	74 dBµV/m	-28.19 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.728 GHz	37.49 dBµV/m	54 dBµV/m	-16.51 dB	Pass	Horizontal
3.941 GHz	33.83 dBµV/m	54 dBµV/m	-20.17 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-10-20
 Note:

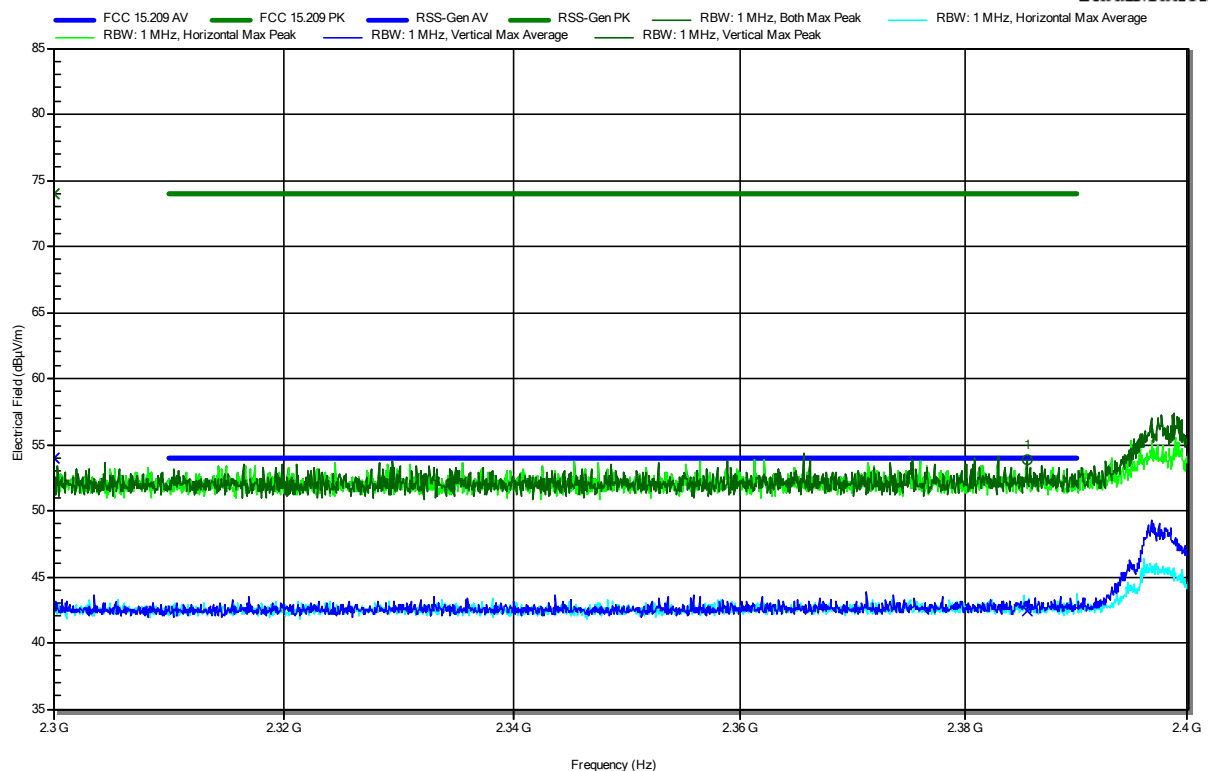


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-10-19
 Note: lower bandedge

Index 176

RadiMation



Frequency 2.3855 GHz	Peak 53.82 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -20.18 dB	Peak Status Pass	Polarization Vertical
Frequency 2.3855 GHz	Average 42.43 dBµV/m	Average Limit 54 dBµV/m	Average Difference -11.57 dB	Average Status Pass	Polarization Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

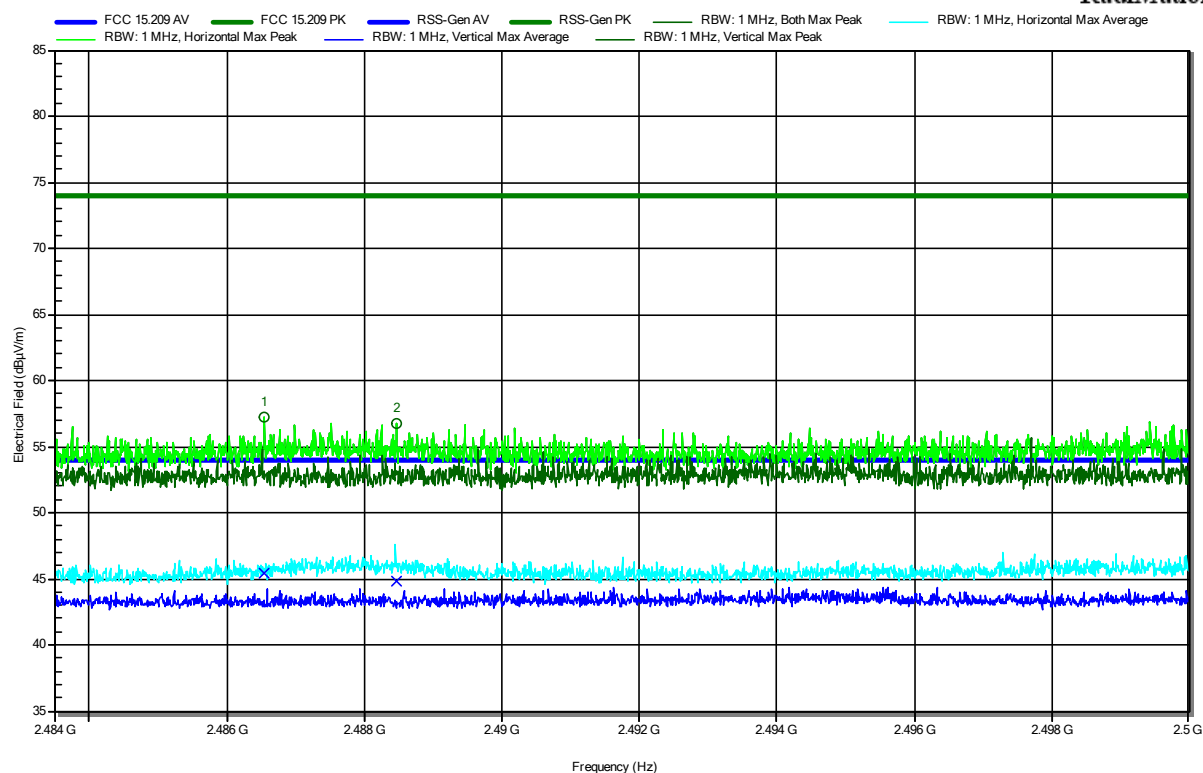
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 11_2462 MHz; DSSS; BW20
 Test Date: 2022-10-19
 Note: upper bandedge

Index 186

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4866 GHz	57.25 dBμV/m	74 dBμV/m	-16.75 dB	Pass	Horizontal
2.4885 GHz	56.78 dBμV/m	74 dBμV/m	-17.22 dB	Pass	Horizontal

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4866 GHz	45.44 dBμV/m	54 dBμV/m	-8.56 dB	Pass	Horizontal
2.4885 GHz	44.85 dBμV/m	54 dBμV/m	-9.15 dB	Pass	Horizontal

Test Report No.: G0M-2205-1454-TFC247WF-V02

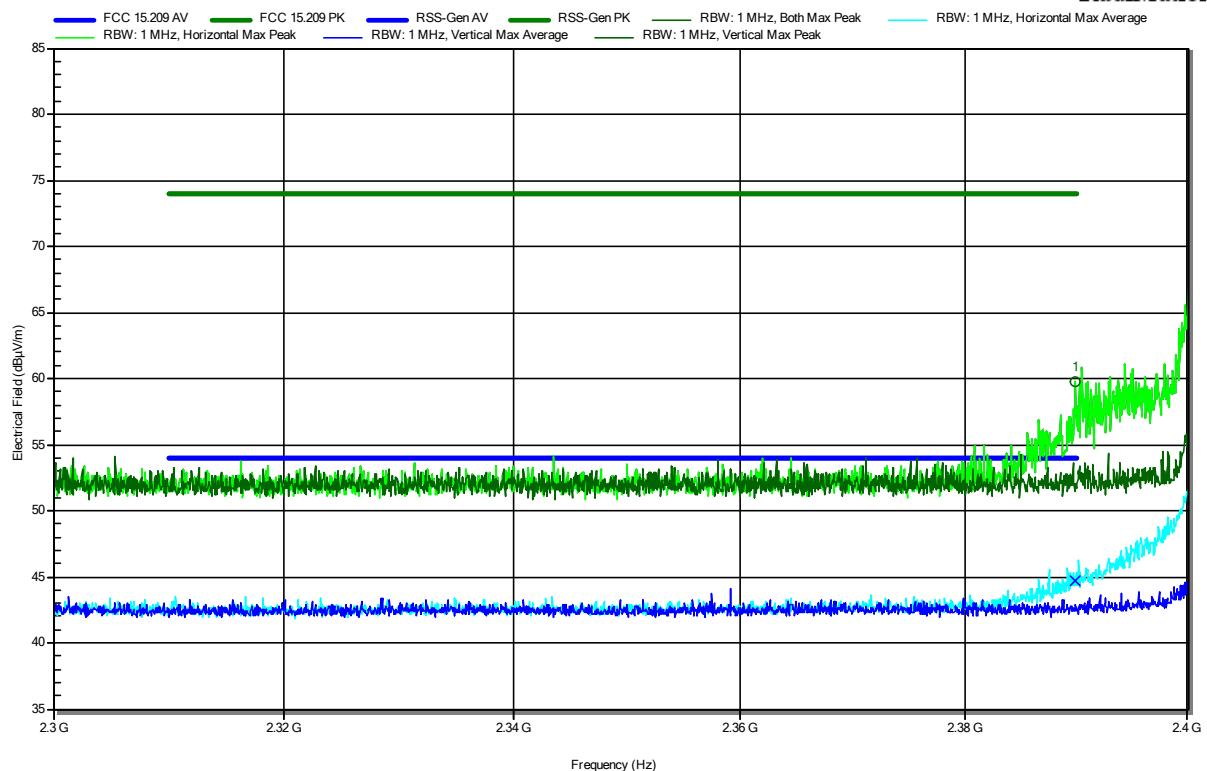
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 1 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-10-19
 Note: lower bandedge

Index 183

RadiMation



Frequency 2.3899 GHz	Peak 59.75 dBμV/m	Peak Limit 74 dBμV/m	Peak Difference -14.25 dB	Peak Status Pass	Polarization Horizontal
Frequency 2.3899 GHz	Average 44.65 dBμV/m	Average Limit 54 dBμV/m	Average Difference -9.35 dB	Average Status Pass	Polarization Horizontal

Test Report No.: G0M-2205-1454-TFC247WF-V02

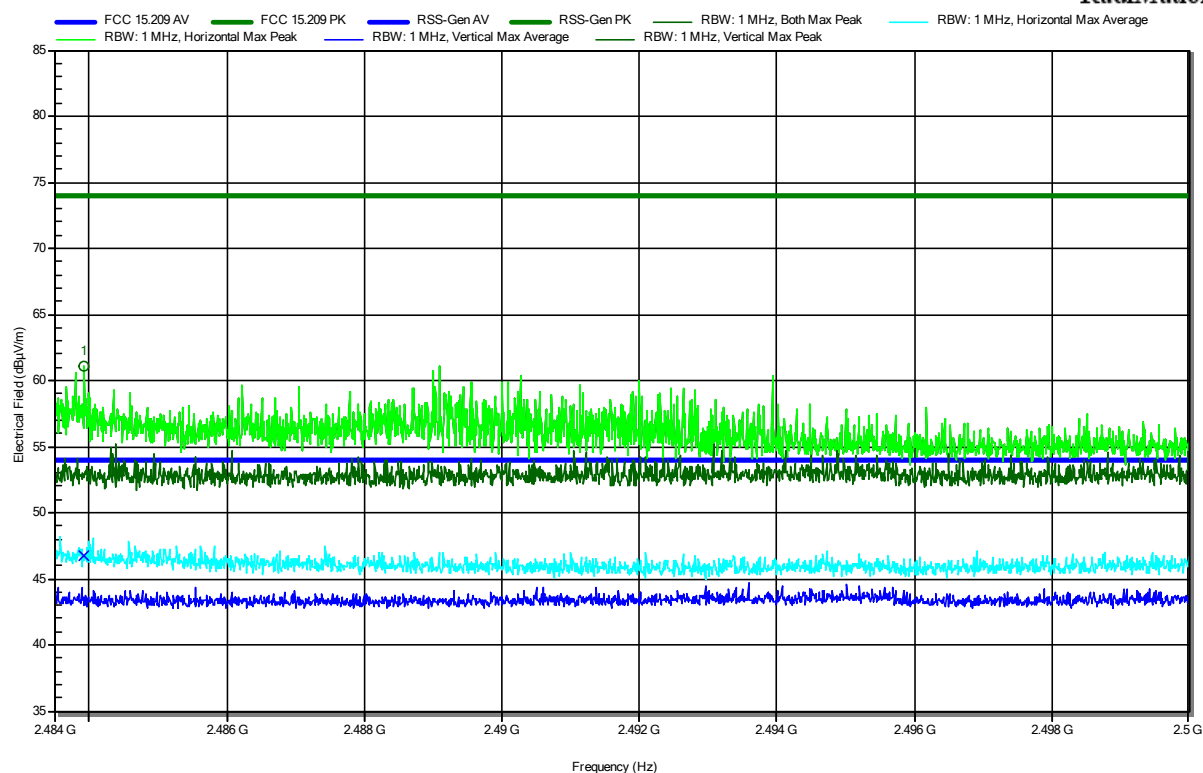
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 1 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-10-19
 Note: upper bandedge

Index 184

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4839 GHz	61.12 dBμV/m	74 dBμV/m	-12.88 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4839 GHz	46.75 dBμV/m	54 dBμV/m	-7.25 dB	Pass	Horizontal

Test Report No.: G0M-2205-1454-TFC247WF-V02

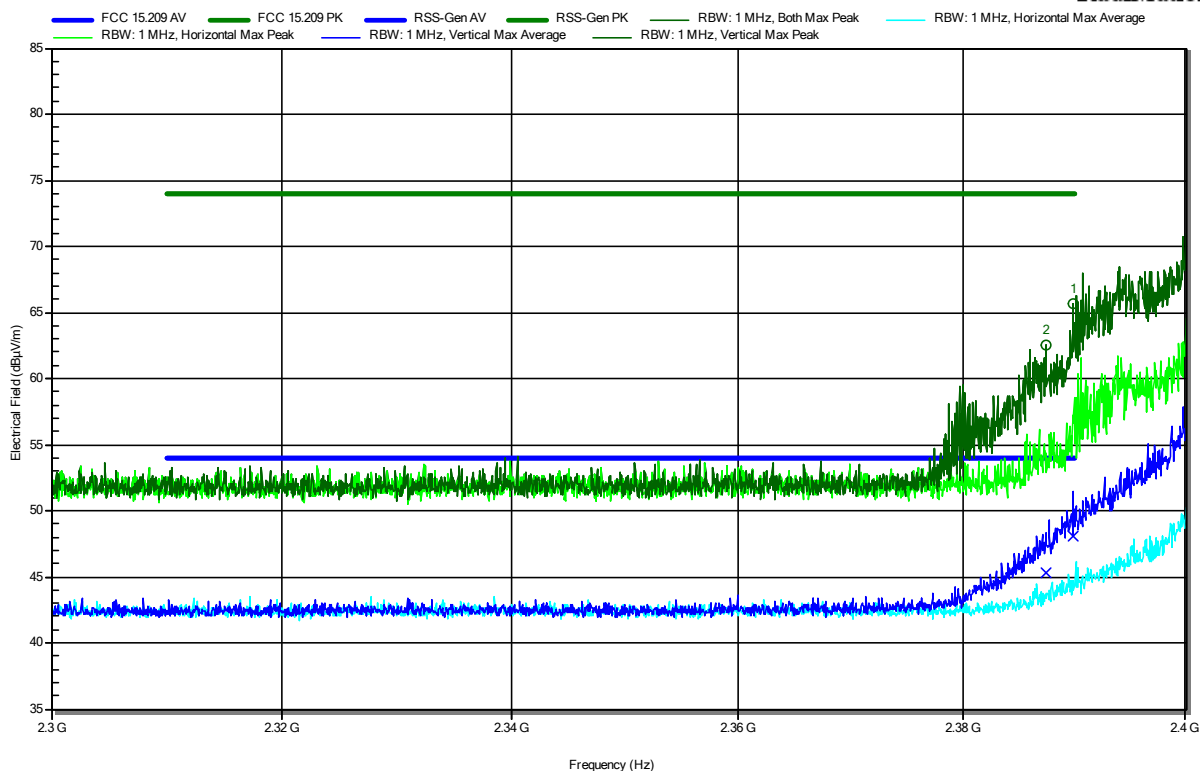
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-10-19
 Note: lower bandedge

Index 172

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3875 GHz	62.5 dBµV/m	74 dBµV/m	-11.5 dB	Pass	Vertical
2.3899 GHz	65.67 dBµV/m	74 dBµV/m	-8.33 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3875 GHz	45.26 dBµV/m	54 dBµV/m	-8.74 dB	Pass	Vertical
2.3899 GHz	48.09 dBµV/m	54 dBµV/m	-5.91 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

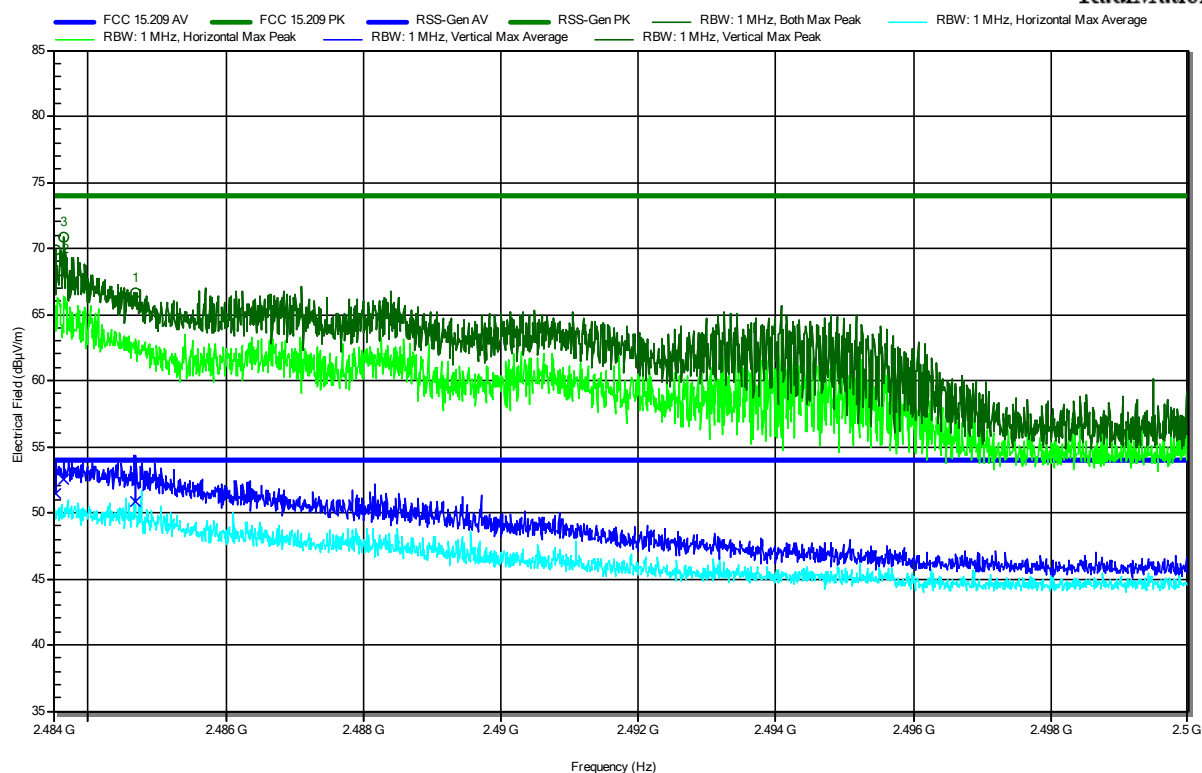
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2462 MHz; OFDM; BW20
 Test Date: 2022-10-19
 Note: upper bandedge

Index 175

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.4835 GHz	69.92 dBμV/m	74 dBμV/m	-4.08 dB	Pass	Vertical
2.4836 GHz	70.86 dBμV/m	74 dBμV/m	-3.14 dB	Pass	Vertical
2.4847 GHz	66.68 dBμV/m	74 dBμV/m	-7.32 dB	Pass	Vertical

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.4835 GHz	51.42 dBμV/m	54 dBμV/m	-2.58 dB	Pass	Vertical
2.4836 GHz	52.47 dBμV/m	54 dBμV/m	-1.53 dB	Pass	Vertical
2.4847 GHz	50.82 dBμV/m	54 dBμV/m	-3.18 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

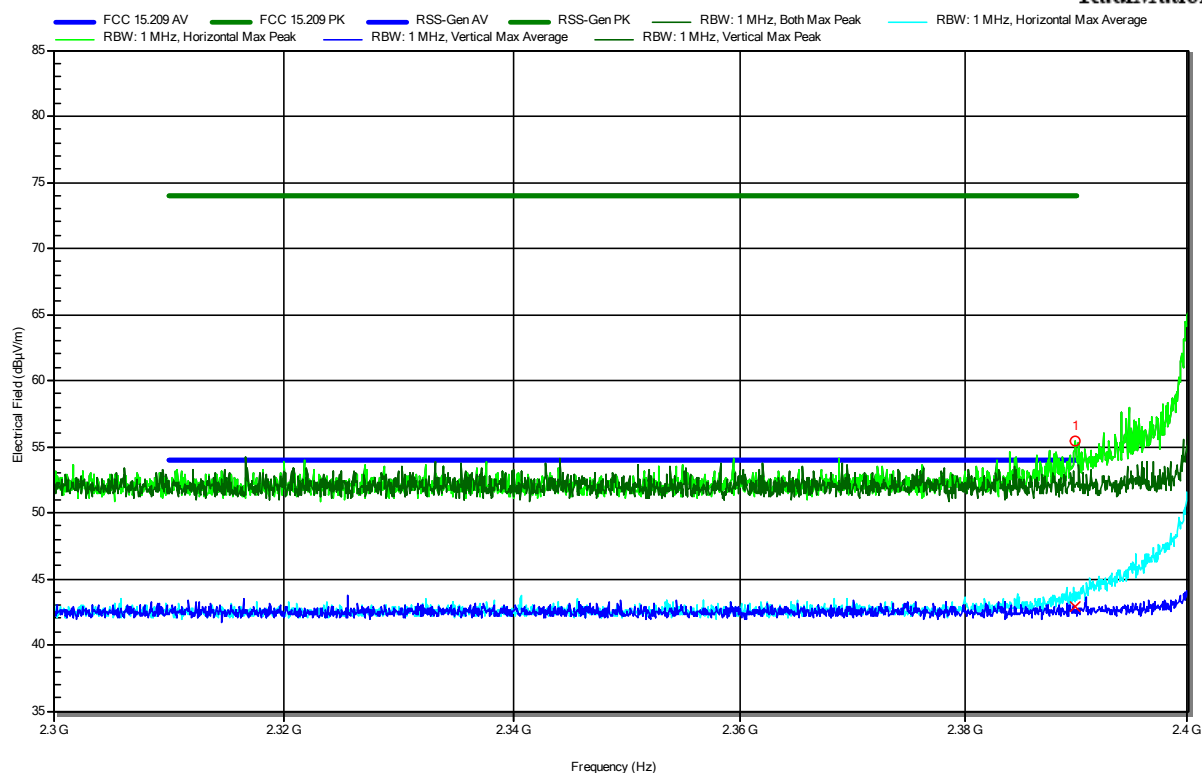
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 1_2412 MHz; OFDM; HT20
 Test Date: 2022-10-19
 Note: lower bandedge

Index 187

RadiMation



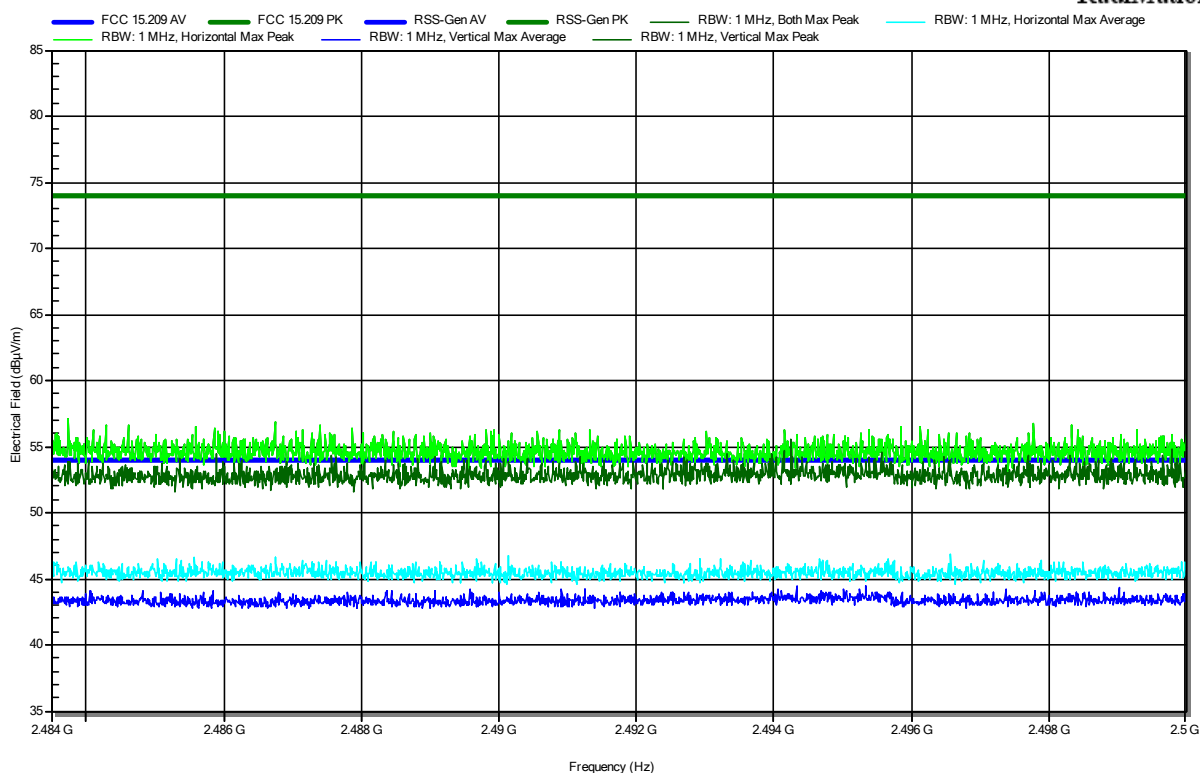
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
2.3899 GHz	55.43 dBμV/m	74 dBμV/m	-18.57 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
2.3899 GHz	42.84 dBμV/m	54 dBμV/m	-11.16 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS0; CH 9_2452 MHz; OFDM; HT40
 Test Date: 2022-10-19
 Note: upper bandedge

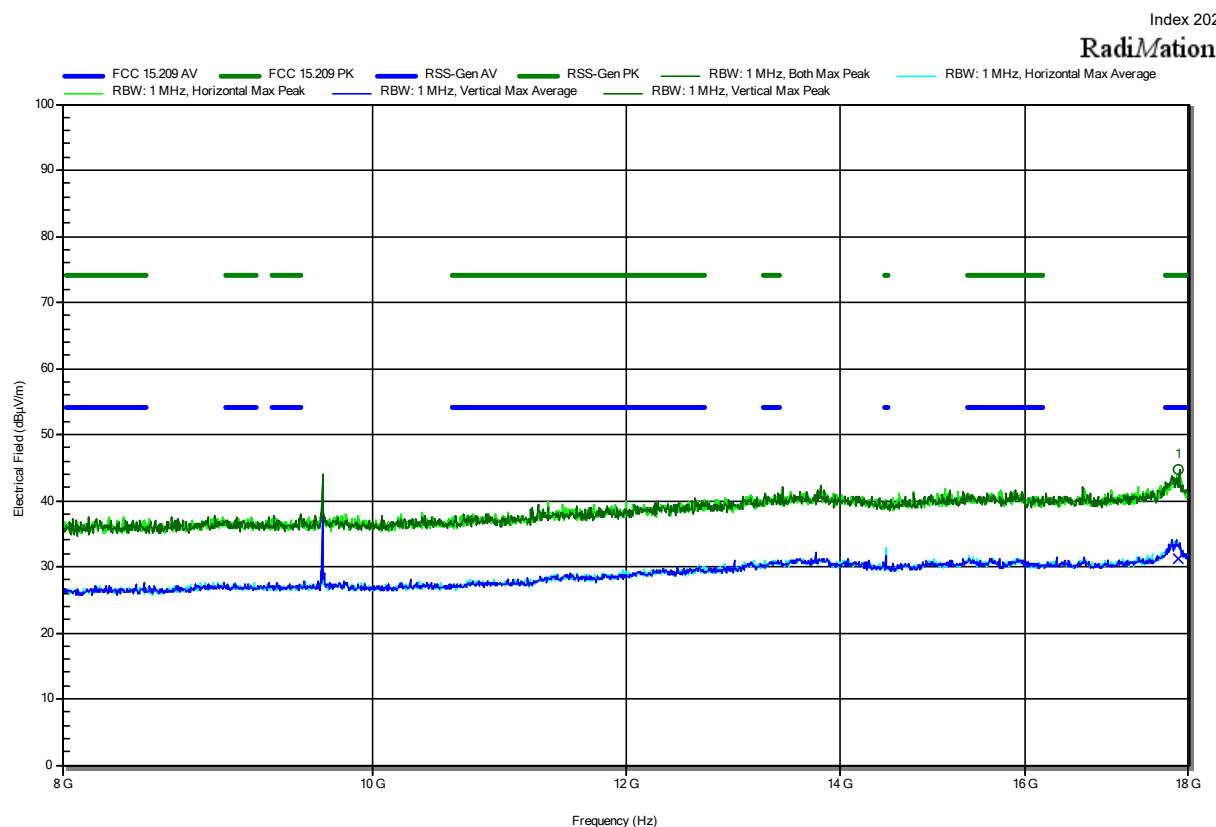
Index 190

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

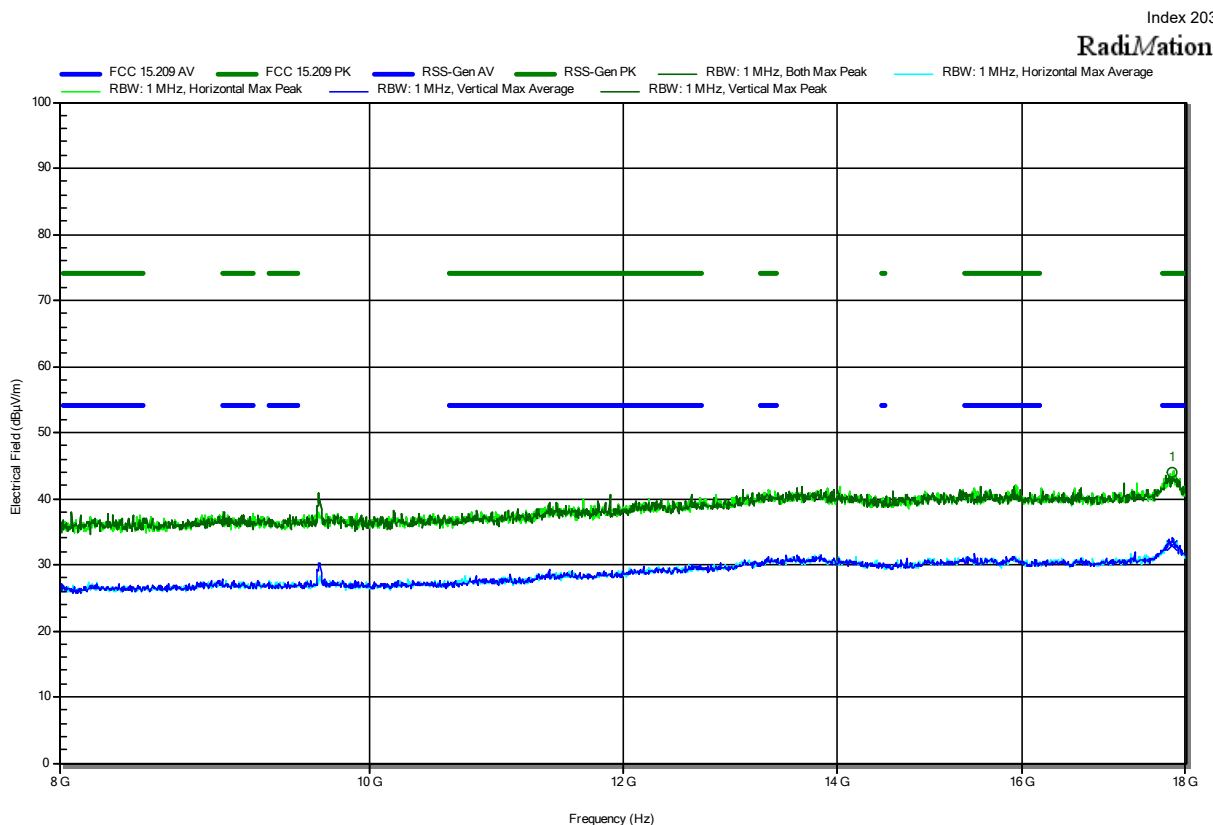
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-10-20
 Note:



Frequency 17.873 GHz	Peak 44.79 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -29.21 dB	Peak Status Pass	Polarization Vertical
Frequency 17.873 GHz	Average 31.26 dBµV/m	Average Limit 54 dBµV/m	Average Difference -22.74 dB	Average Status Pass	Polarization Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-10-20
 Note:



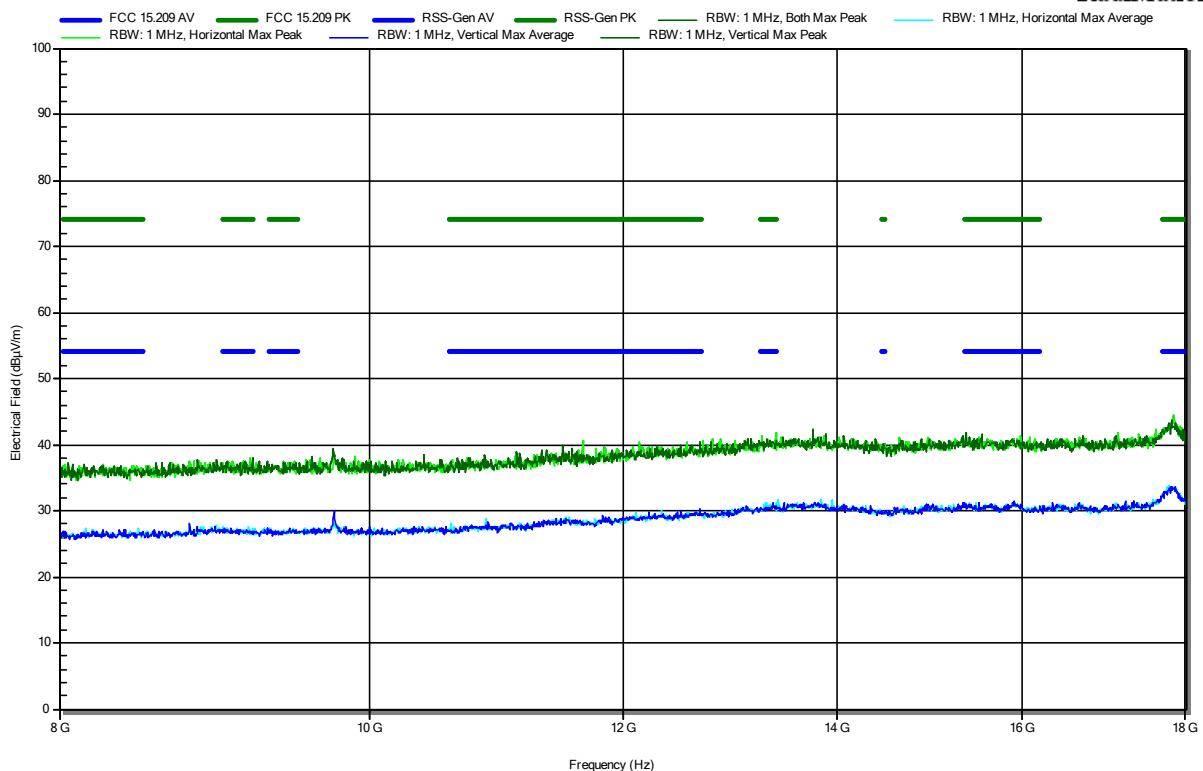
Frequency 17.835 GHz	Peak 44.09 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -29.91 dB	Peak Status Pass	Polarization Horizontal
Frequency 17.835 GHz	Average 32.81 dBµV/m	Average Limit 54 dBµV/m	Average Difference -21.19 dB	Average Status Pass	Polarization Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 6_2437 MHz; OFDM; BW20
 Test Date: 2022-10-20
 Note:

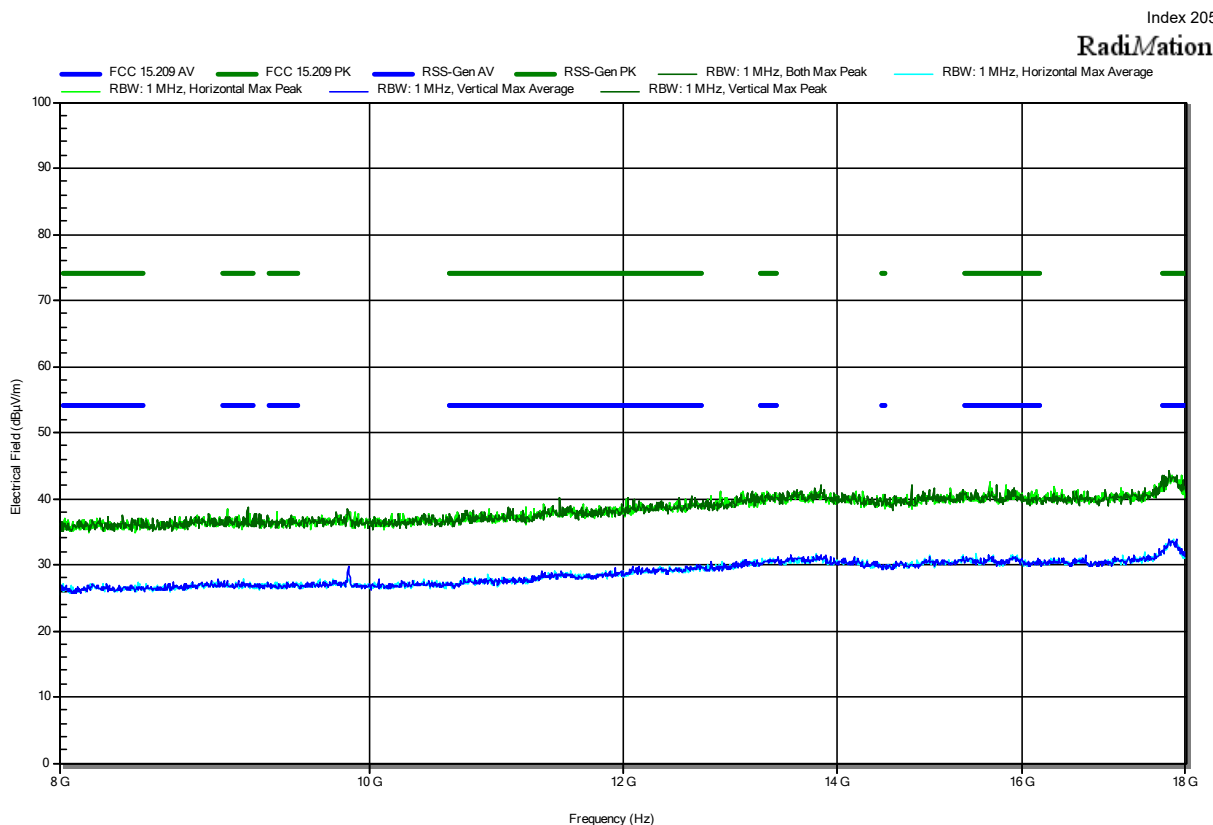
Index 204

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 6 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-10-20
 Note:

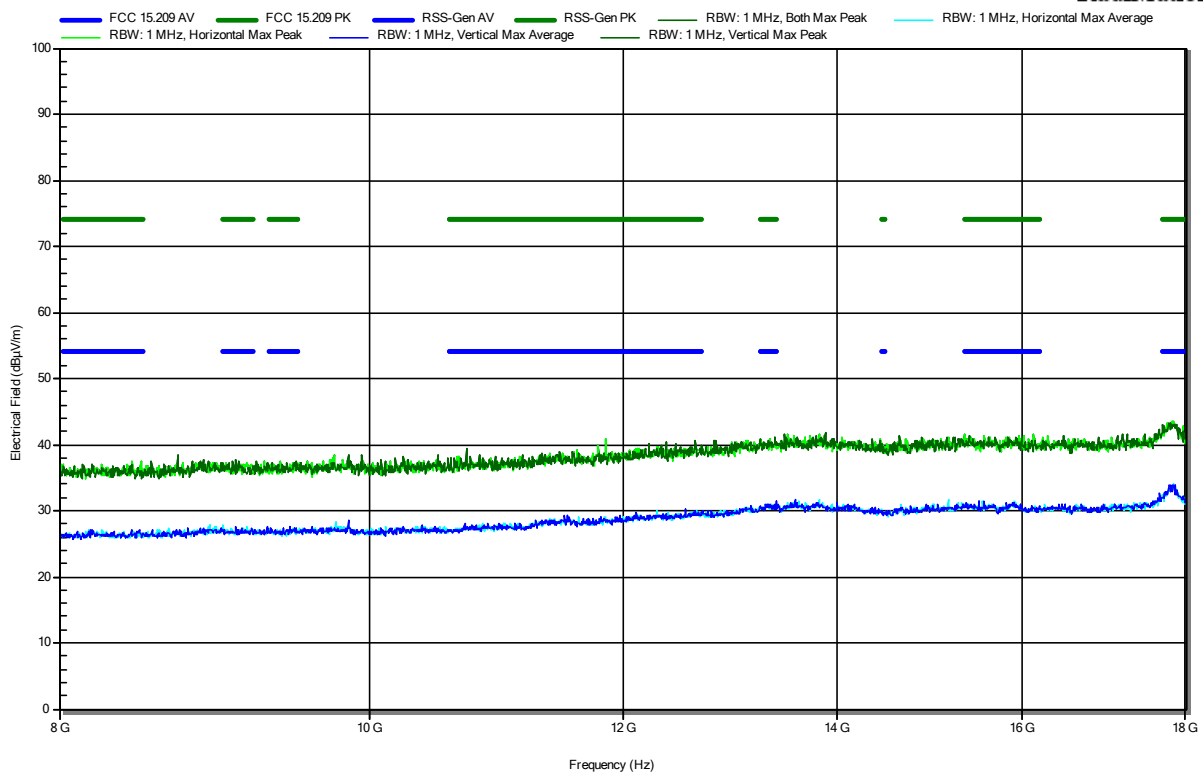


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MCS1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-10-20
 Note:

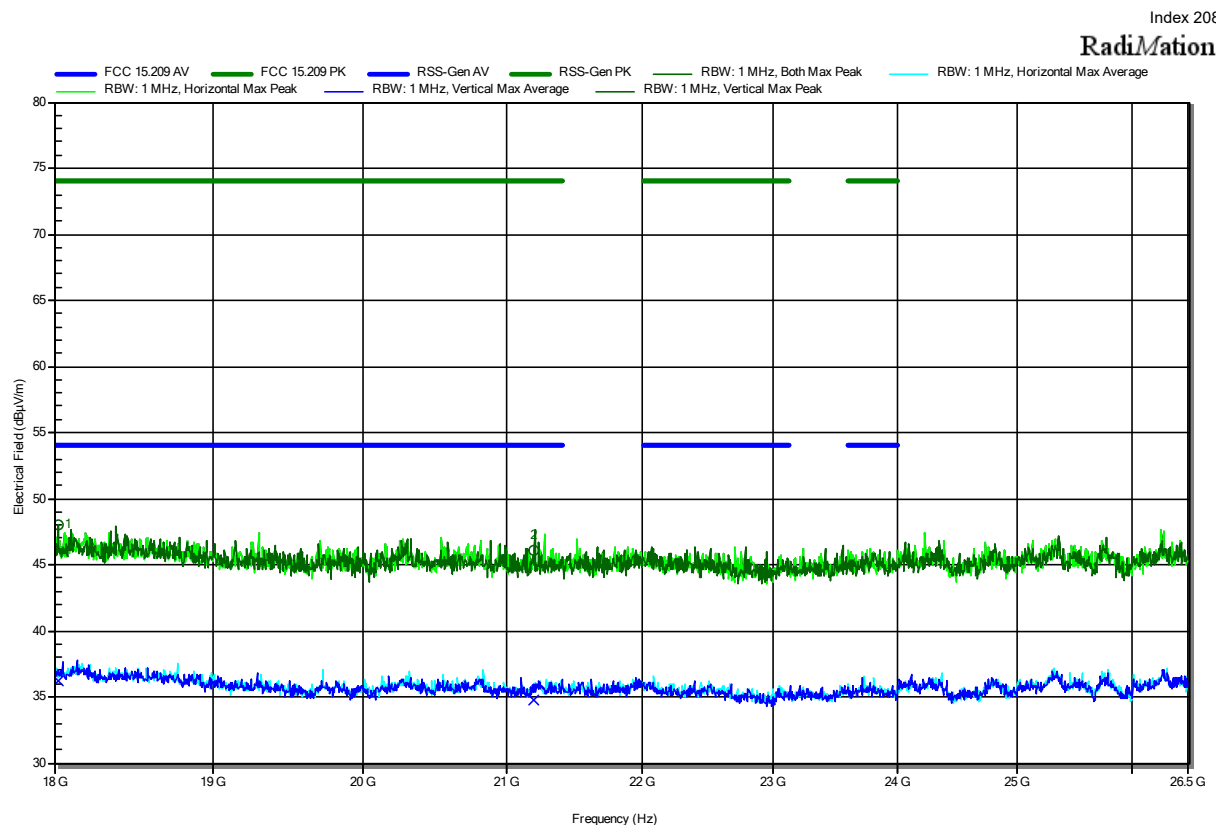
Index 206

RadiMation



Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11b; 1 Mbps; CH 1_2412 MHz; DSSS; BW20
 Test Date: 2022-10-20
 Note:

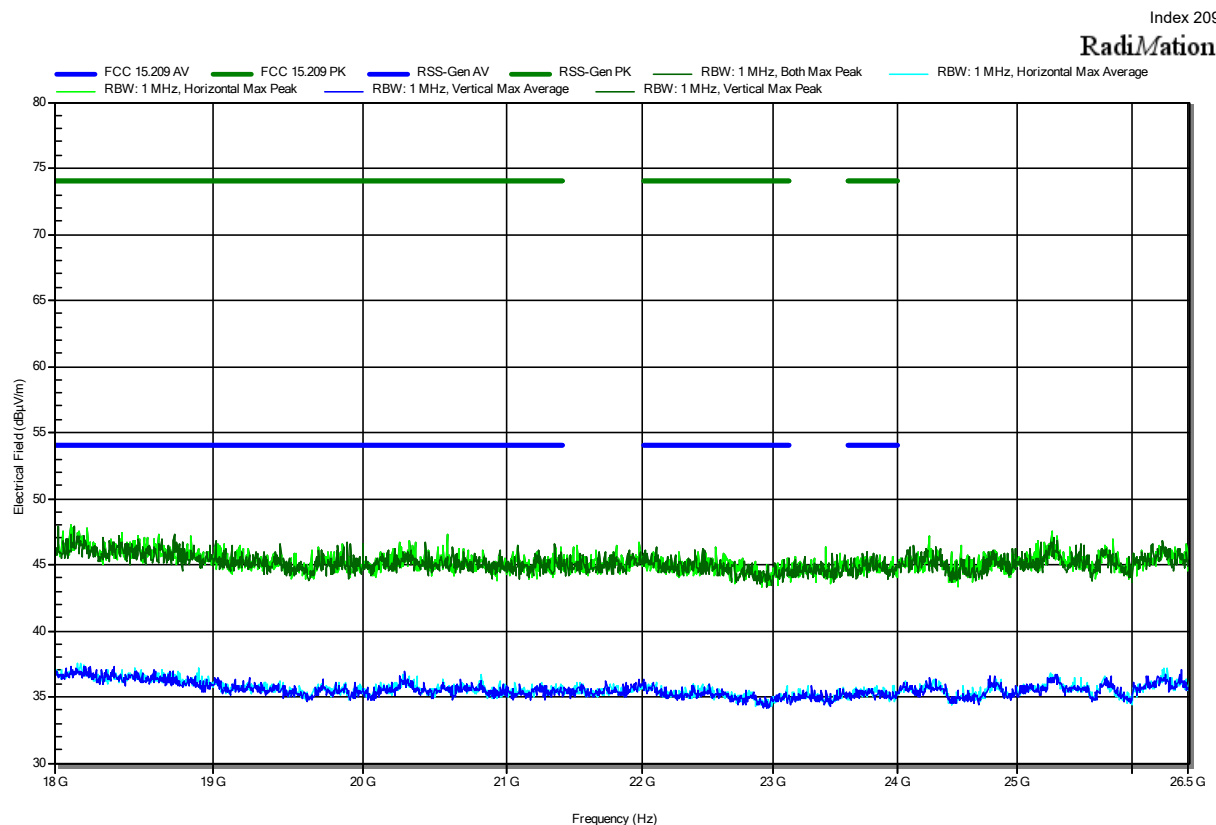


Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.025 GHz	47.98 dBµV/m	74 dBµV/m	-26.02 dB	Pass	Vertical
21.201 GHz	46.03 dBµV/m	74 dBµV/m	-27.97 dB	Pass	Horizontal

Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.025 GHz	36.2 dBµV/m	54 dBµV/m	-17.8 dB	Pass	Vertical
21.201 GHz	34.75 dBµV/m	54 dBµV/m	-19.25 dB	Pass	Horizontal

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 1 Mbps; CH 1_2412 MHz; OFDM; BW20
 Test Date: 2022-10-20
 Note:

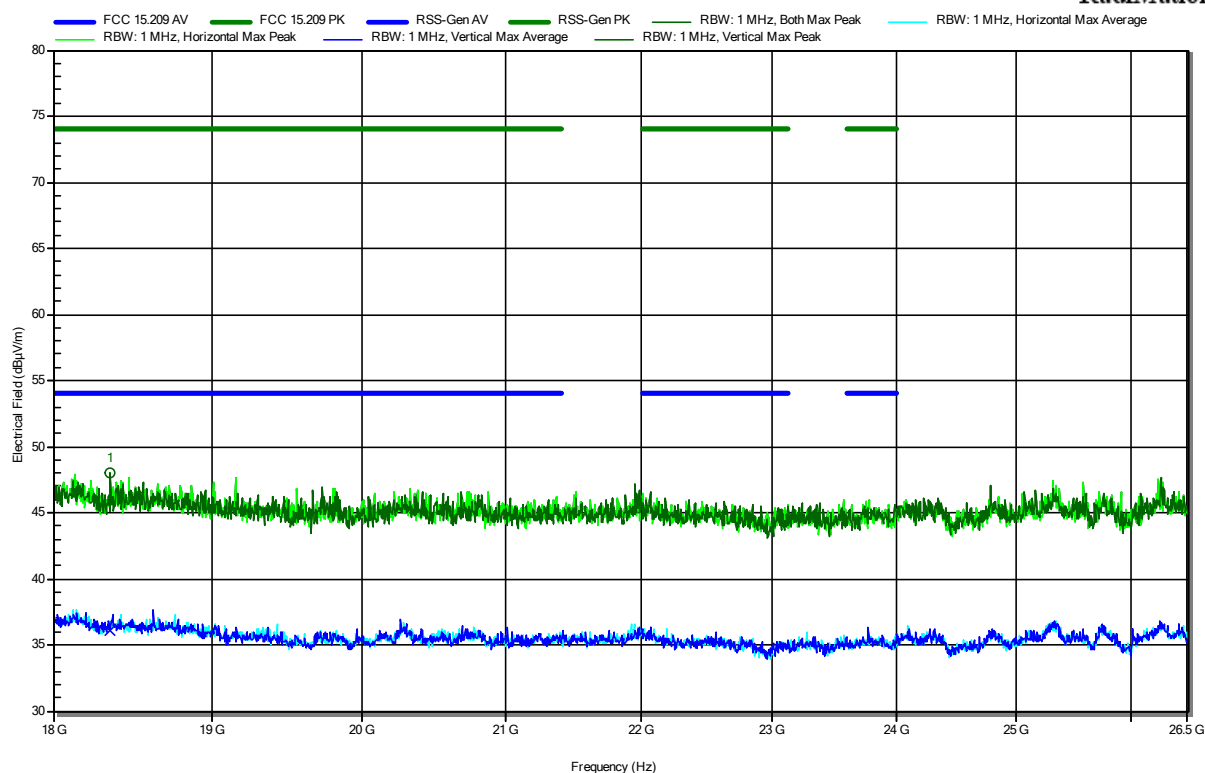


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11g; 1 Mbps; CH 11_2462 MHz; OFDM; BW20
 Test Date: 2022-10-20
 Note:

Index 210

RadiMation



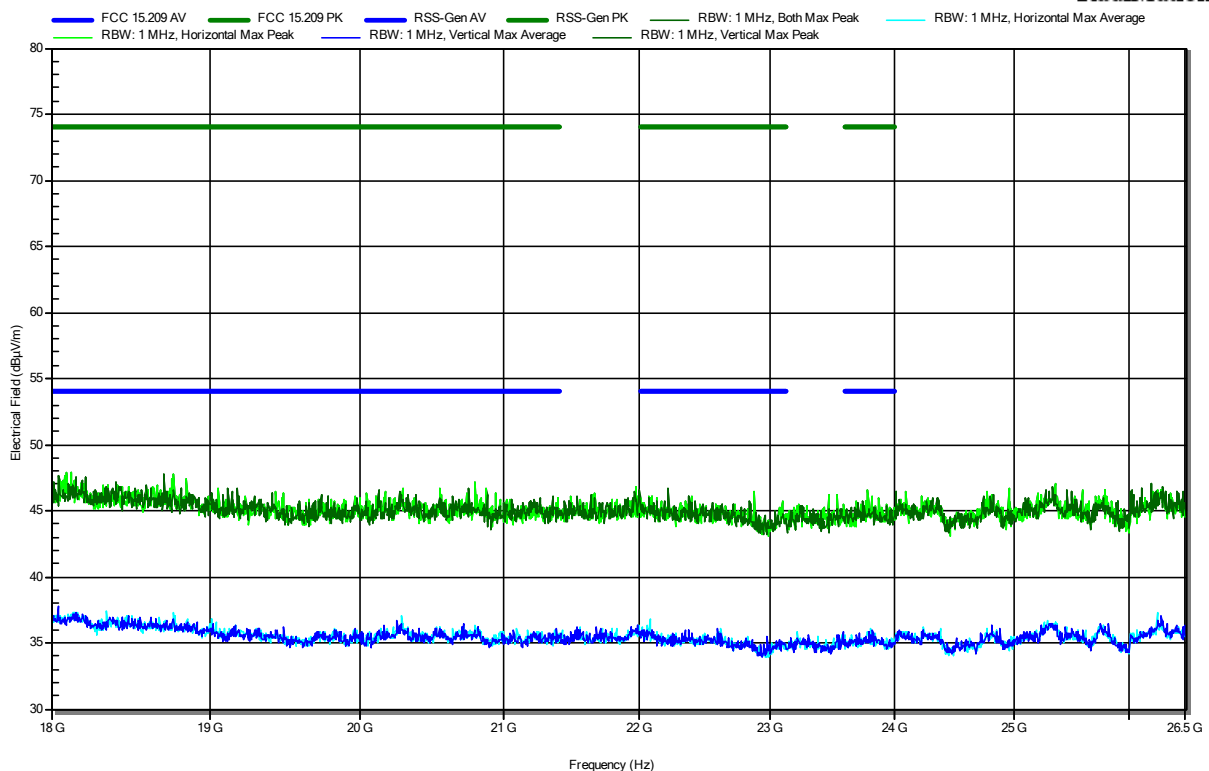
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
18.353 GHz	48.03 dBµV/m	74 dBµV/m	-25.97 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
18.353 GHz	36.1 dBµV/m	54 dBµV/m	-17.9 dB	Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MSC1; CH 11_2462 MHz; OFDM; HT20
 Test Date: 2022-10-20
 Note:

Index 211

RadiMation

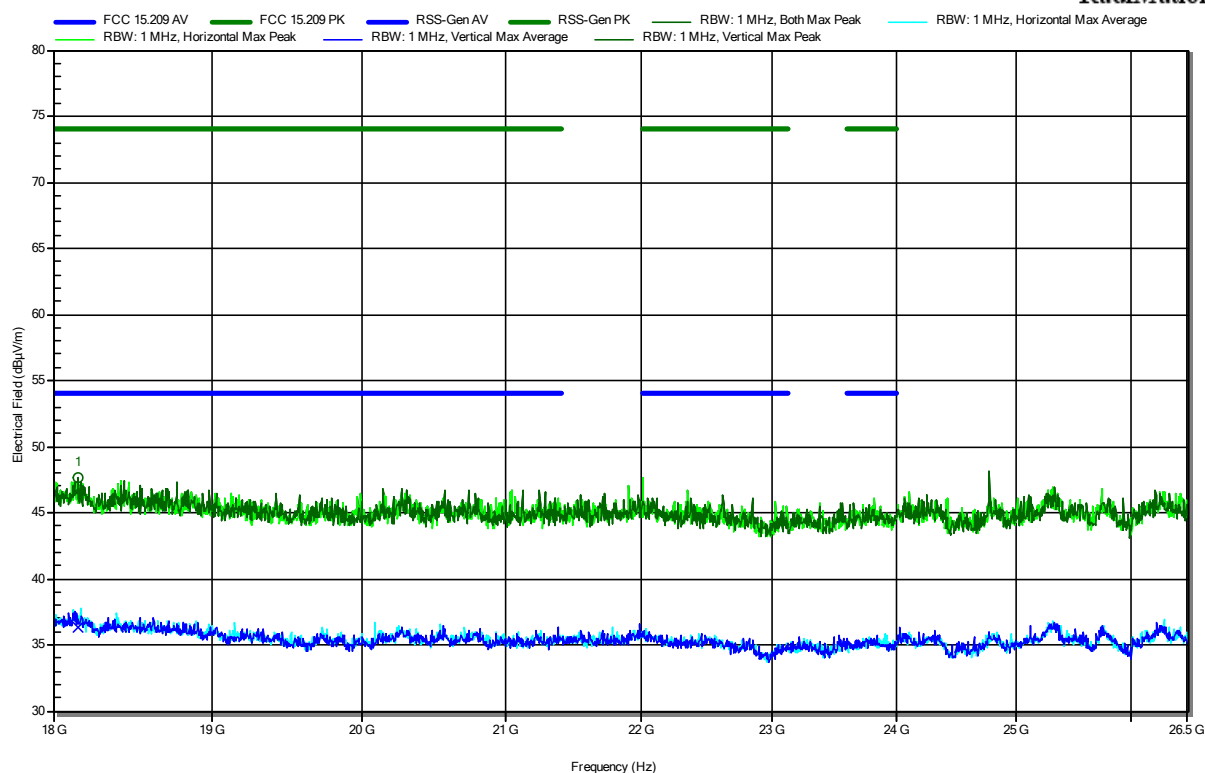


Radiated Spurious Emissions according to 47 CFR Part 15.247, RSS-247

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: R. Jaafar
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 3.3 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; IEEE802.11n; MSC0; CH 6_2437 MHz; OFDM; HT40
 Test Date: 2022-10-20
 Note:

Index 213

RadiMation



Frequency 18.153 GHz	Peak 47.6 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -26.4 dB	Peak Status Pass	Polarization Vertical
Frequency 18.153 GHz	Average 36.38 dBµV/m	Average Limit 54 dBµV/m	Average Difference -17.62 dB	Average Status Pass	Polarization Vertical

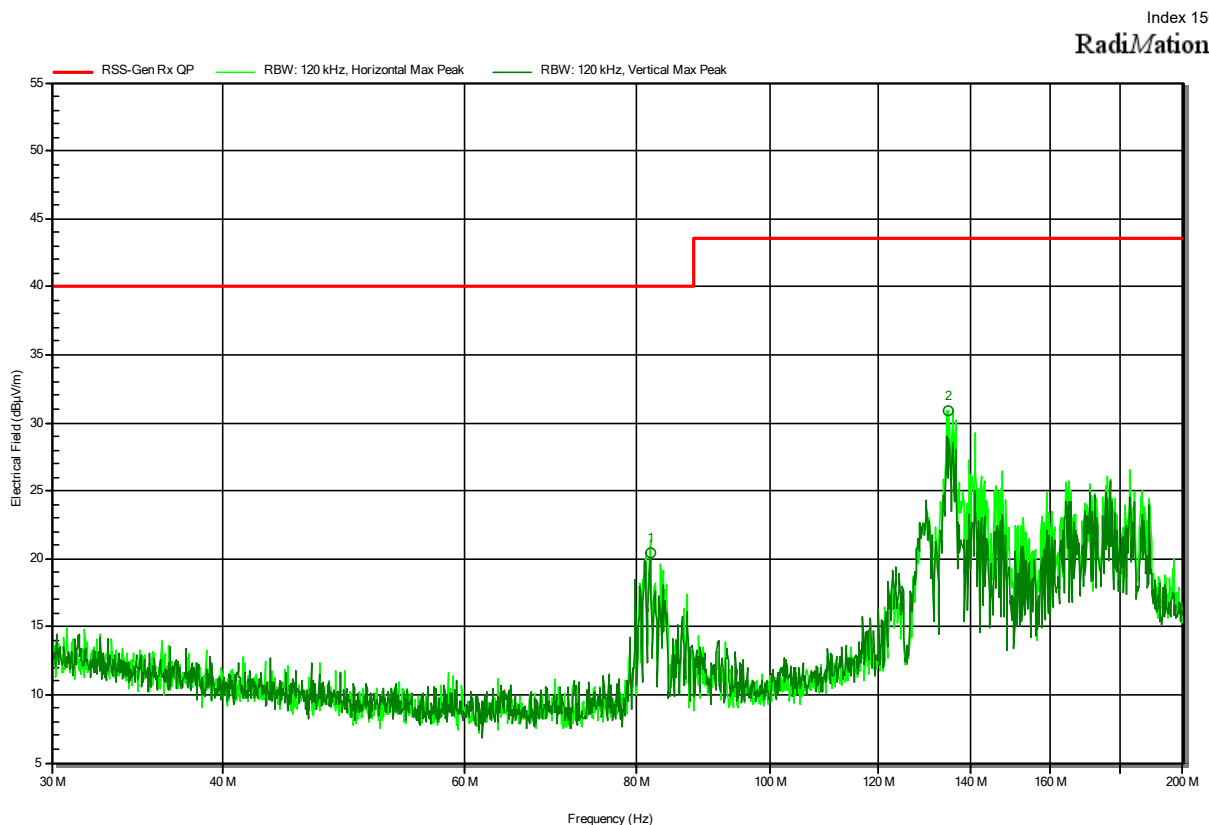
Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

ANNEX D Receiver spurious emissions

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

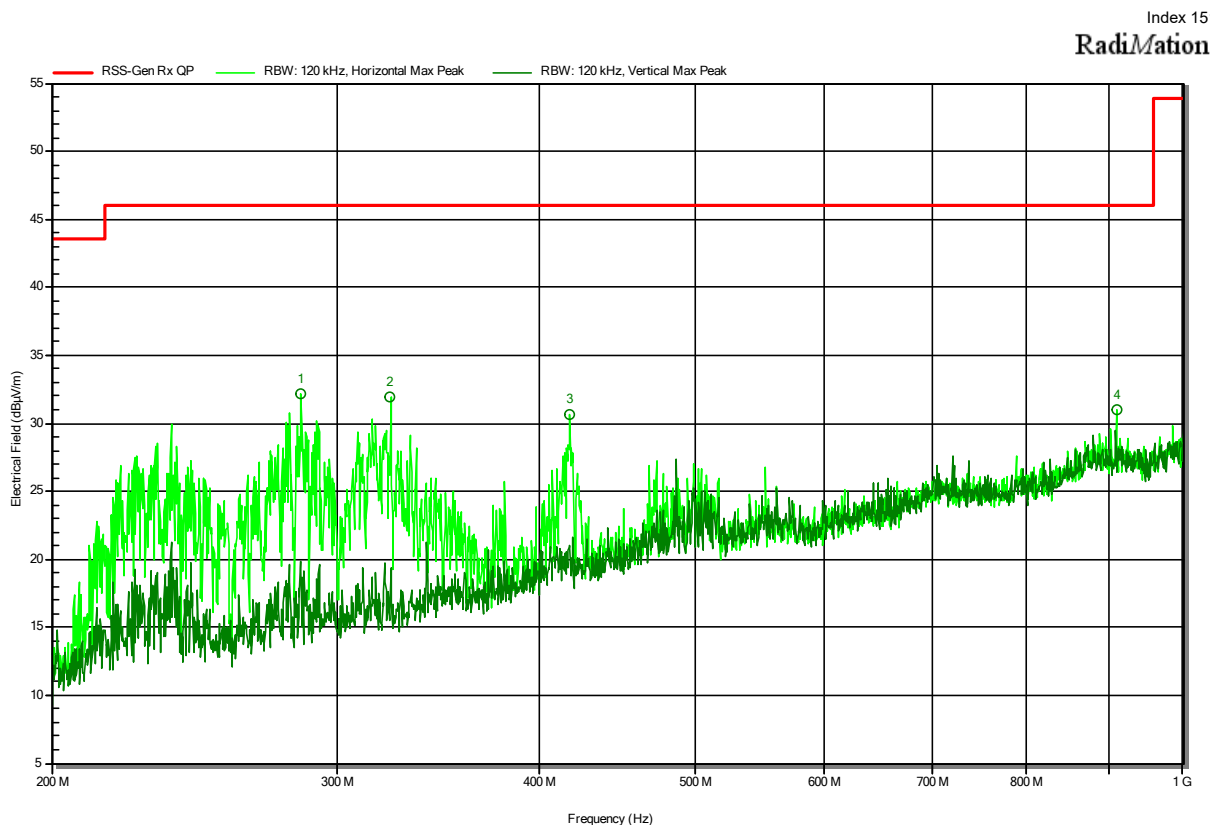
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-08-26
 Note:



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
81.816 MHz	20.5 dBµV/m	40 dBµV/m	-19.51 dB	Pass	Horizontal
135.0727 MHz	30.9 dBµV/m	43.5 dBµV/m	-12.64 dB	Pass	Horizontal

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 20 °Celsius, Vnom: 5.0 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-08-26
 Note:



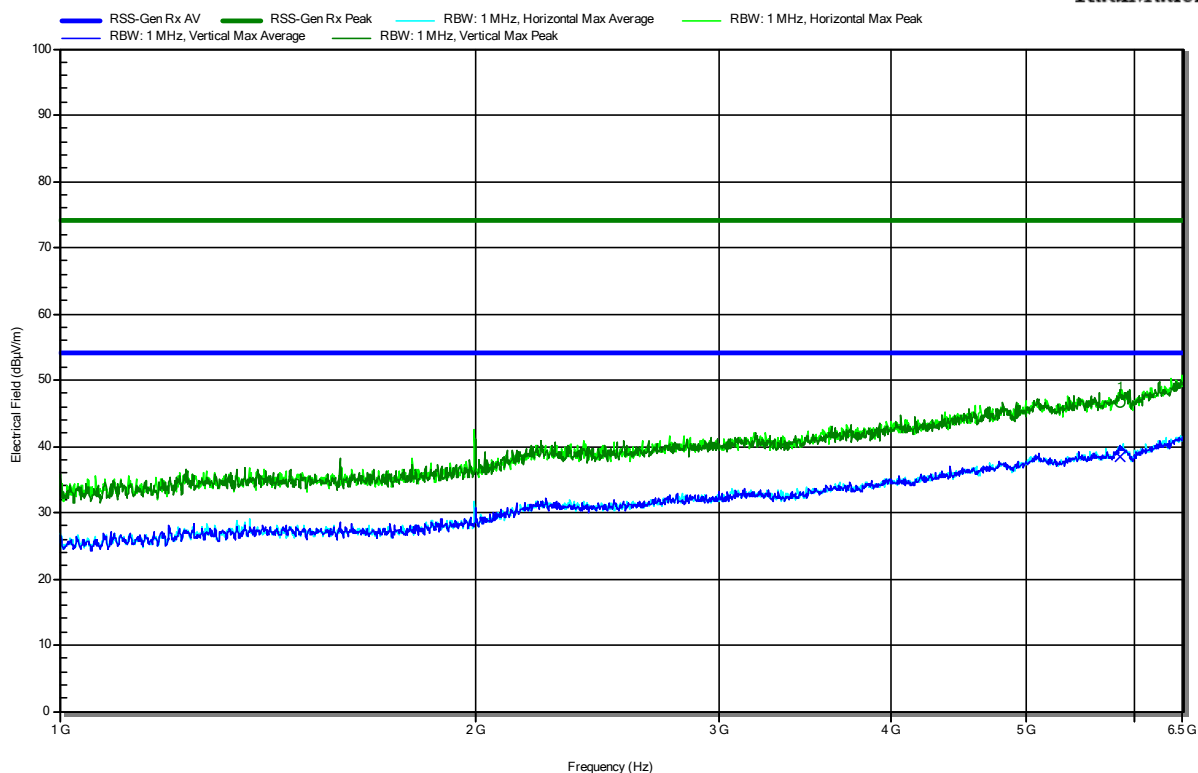
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
284.96 MHz	32.1 dBµV/m	46 dBµV/m	-13.85 dB	Pass	Horizontal
323.86 MHz	31.9 dBµV/m	46 dBµV/m	-14.11 dB	Pass	Horizontal
417.76 MHz	30.6 dBµV/m	46 dBµV/m	-15.39 dB	Pass	Horizontal
909.48 MHz	31 dBµV/m	46 dBµV/m	-15.02 dB	Pass	Horizontal

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-08-29
 Note:

Index 155

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.852 GHz	46.59 dBµV/m	74 dBµV/m	-27.41 dB	Pass	Horizontal
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
5.852 GHz	38.43 dBµV/m	53.98 dBµV/m	-15.55 dB	Pass	Horizontal

Test Report No.: G0M-2205-1454-TFC247WF-V02

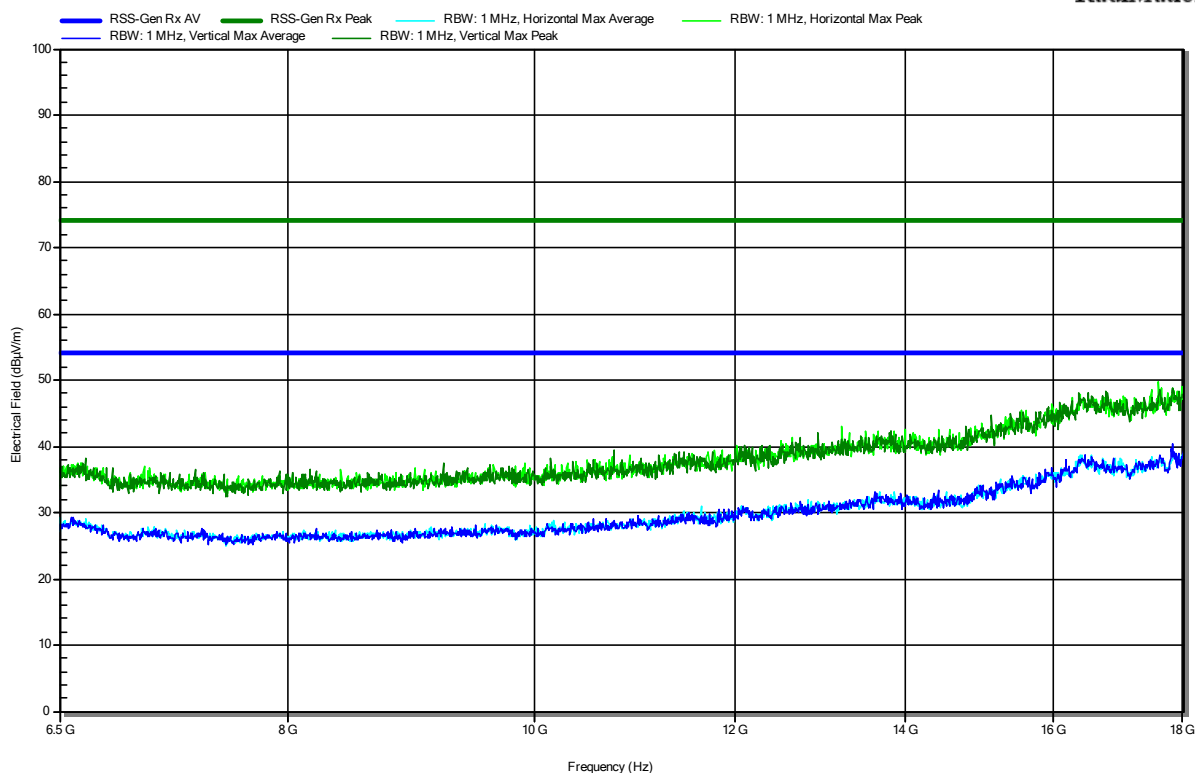
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40679
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 5.0 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-08-29
 Note:

Index 156

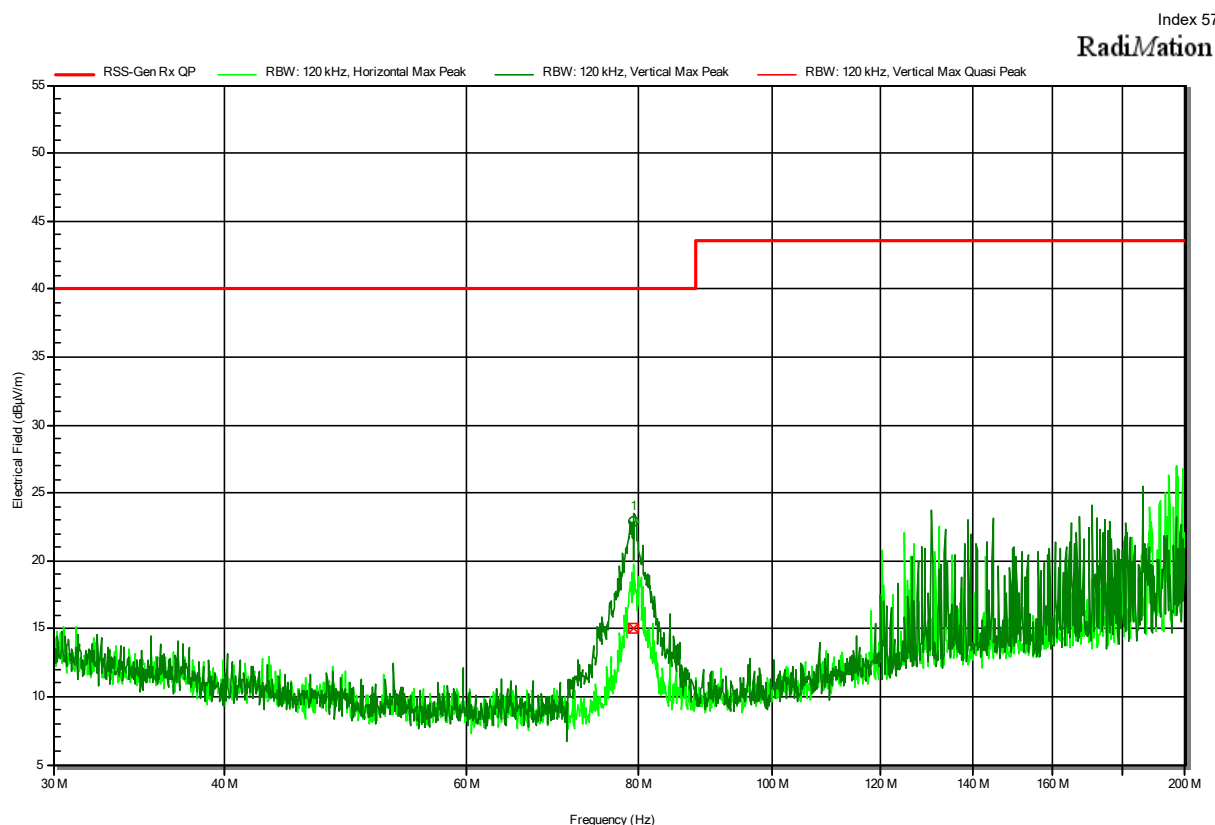
RadiMation



ANNEX E Receiver spurious emissions (Tested variant 1)

Radiated Spurious Emissions according to RSS-247 Issue 2, RSS-Gen

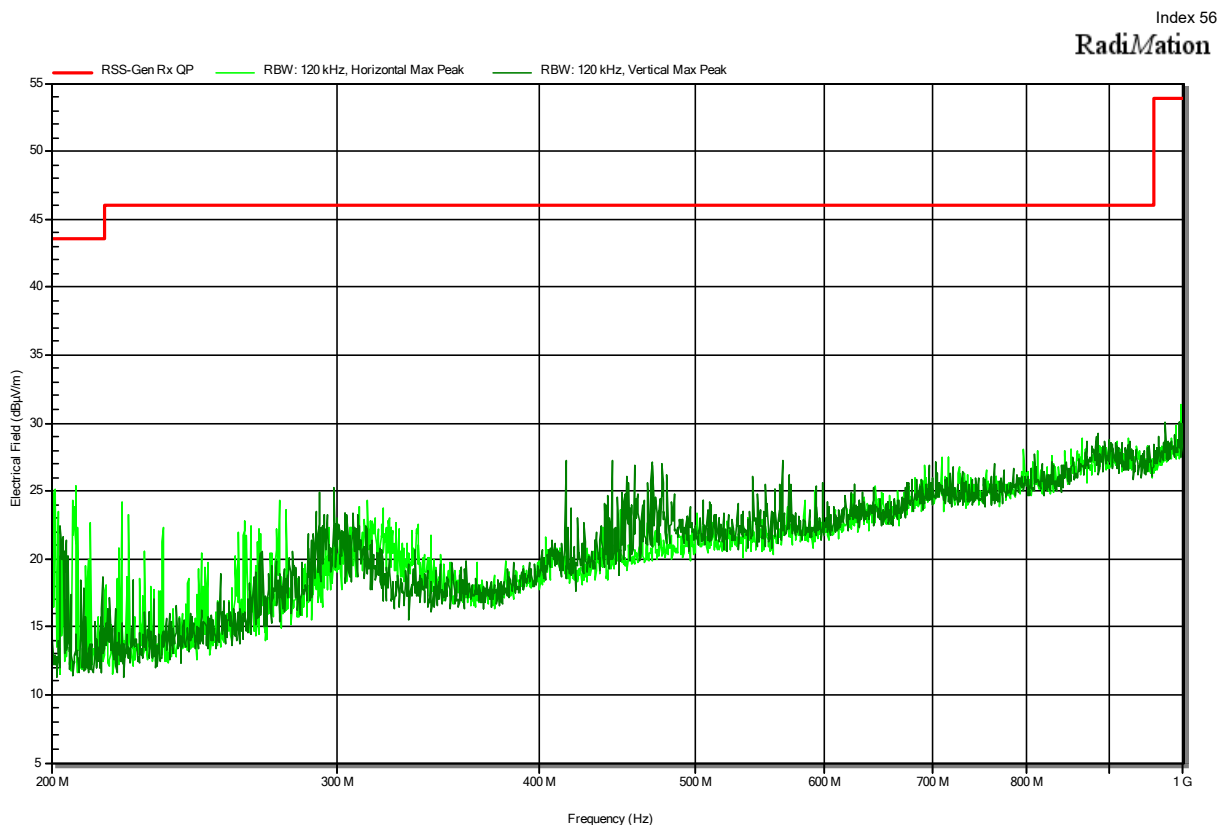
Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11g, 2437 MHz, EUT horizontal
 Test Date: 2022-08-29
 Note:



Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
79.3042 MHz	15 dBµV/m	40 dBµV/m	-25 dB	Pass	Vertical

Radiated Spurious Emissions according to RSS-247 Issue 2, RSS-Gen

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11g, 2437 MHz, EUT horizontal
 Test Date: 2022-08-29
 Note:

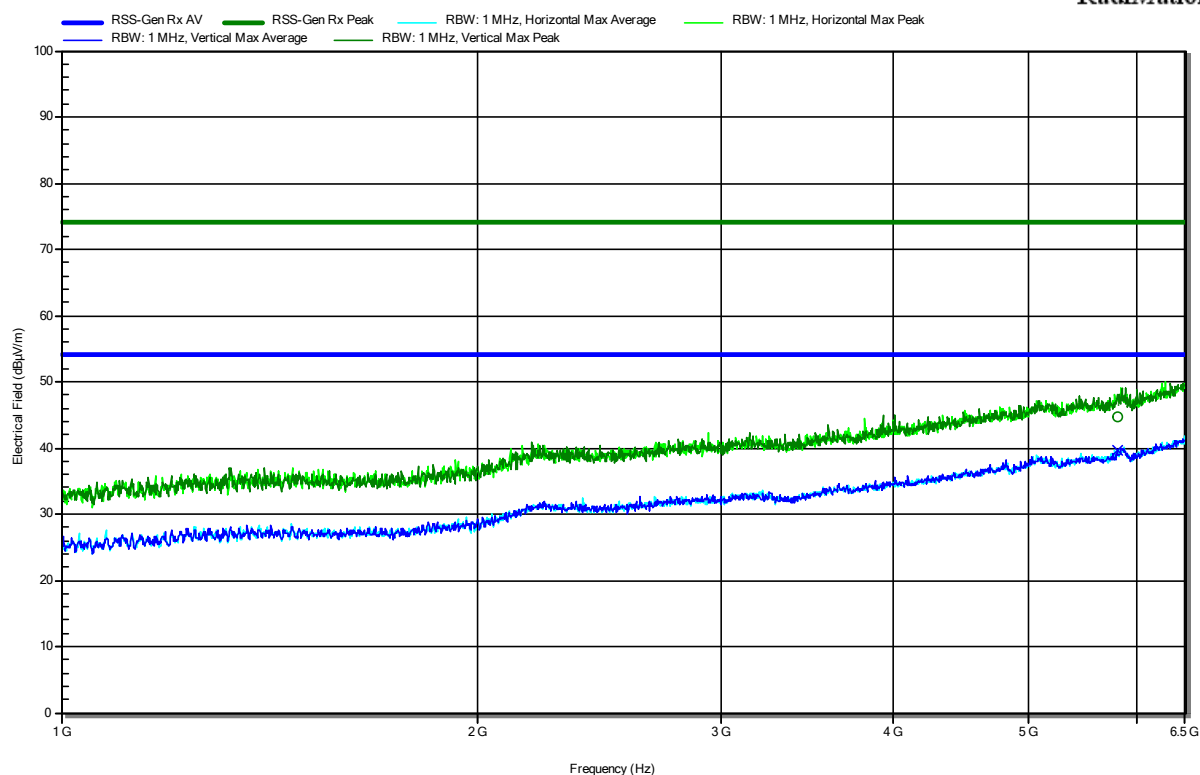


Radiated Spurious Emissions according to RSS-247 Issue 2, RSS-Gen

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11g, 2437 MHz, EUT horizontal
 Test Date: 2022-08-29
 Note:

Index 55

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
5.804 GHz	44.81 dBµV/m	74 dBµV/m	-29.19 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
5.804 GHz	39.57 dBµV/m	53.98 dBµV/m	-14.41 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

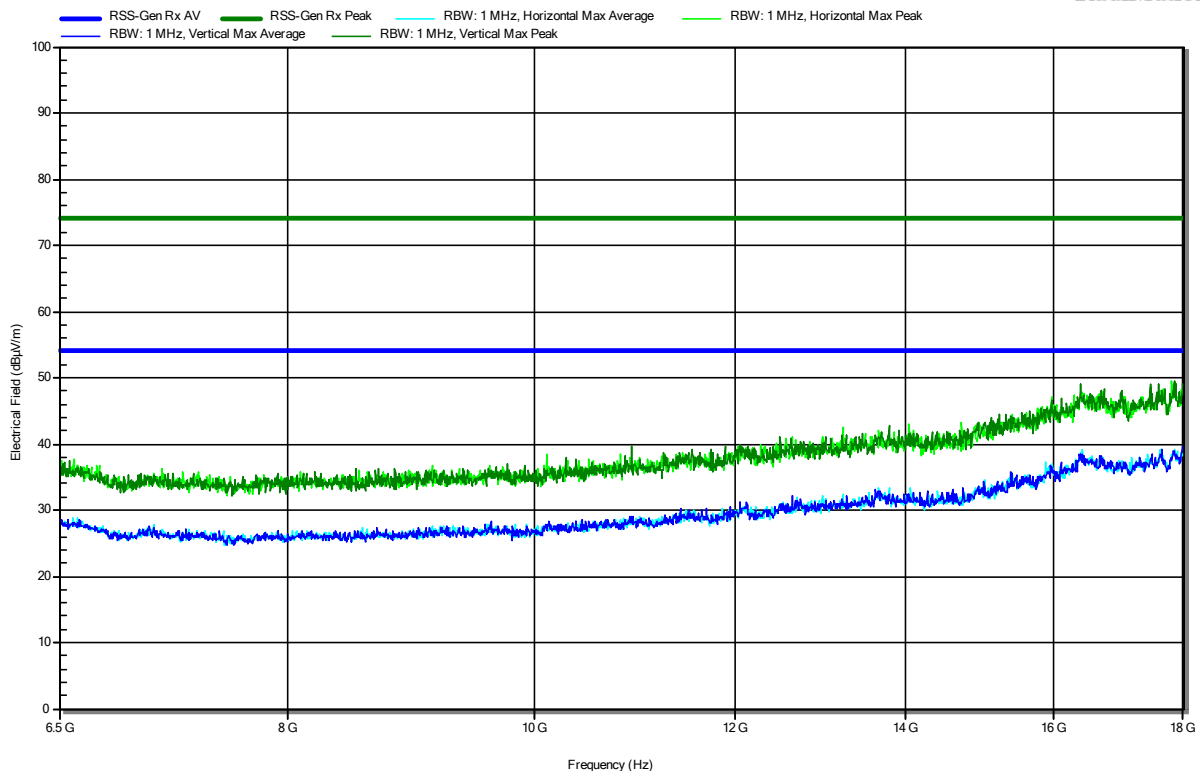
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to RSS-247 Issue 2, RSS-Gen

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W106
 Test Sample ID: 40680
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Voigt
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 VDC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Rx; IEEE 802.11g, 2437 MHz, EUT horizontal
 Test Date: 2022-08-29
 Note:

Index 54

RadiMation



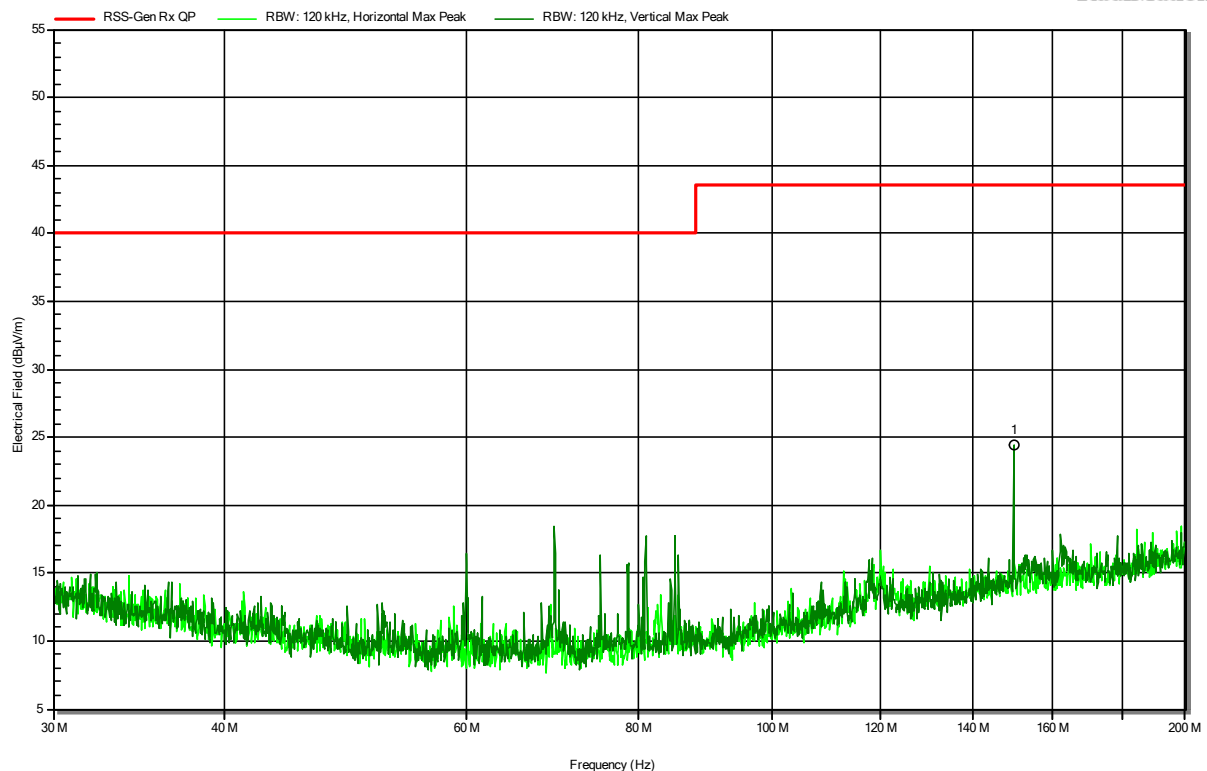
ANNEX F Receiver spurious emissions (Tested variant 2)

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HK 116
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-11-11
 Note: With external antenna (PN PRO-IS-237)

Index 219

RadiMation



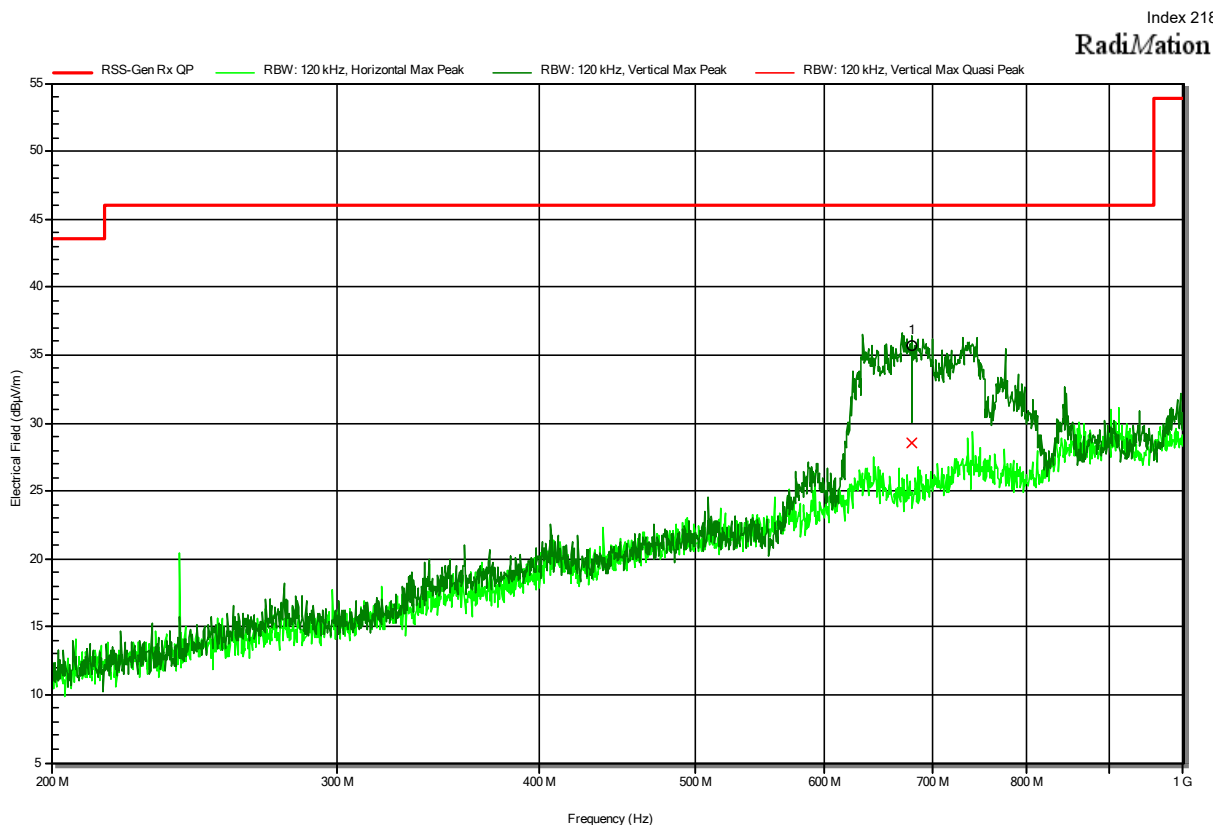
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
149.9903 MHz	24.4 dBµV/m	43.5 dBµV/m	-19.13 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 V DC
 Antenna: Rohde & Schwarz HL 223
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-11-11
 Note: With external antenna (PN PRO-IS-237)



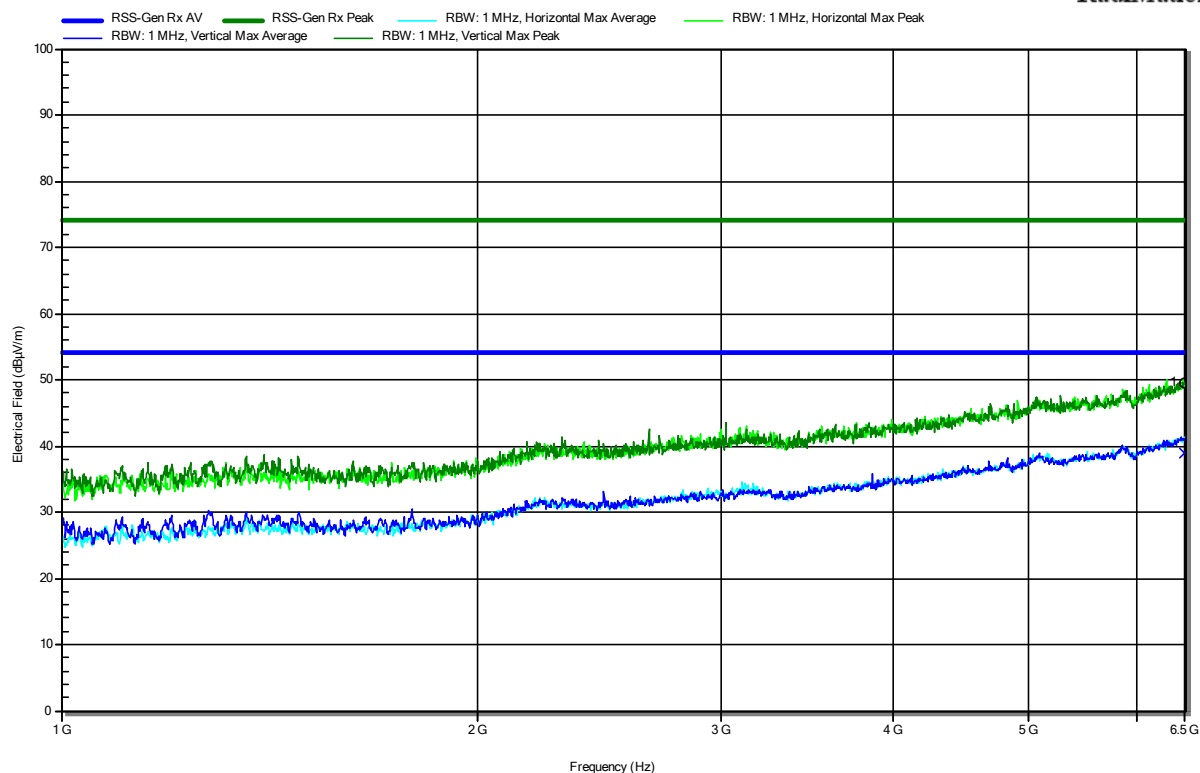
Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
679.84 MHz	35.7 dBµV/m	46 dBµV/m	-10.3 dB	Pass	Vertical
Frequency	Quasi-Peak	Quasi-Peak Limit	Quasi-Peak Difference	Quasi-Peak Status	Polarization
679.84 MHz	28.5 dBµV/m	46 dBµV/m	-17.51 dB	Pass	Vertical

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-11-11
 Note: With external antenna (PN PRO-IS-237)

Index 216

RadiMation



Frequency	Peak	Peak Limit	Peak Difference	Peak Status	Polarization
6.494 GHz	49.61 dBµV/m	74 dBµV/m	-24.39 dB	Pass	Vertical
Frequency	Average	Average Limit	Average Difference	Average Status	Polarization
6.494 GHz	38.82 dBµV/m	53.98 dBµV/m	-15.16 dB	Pass	Vertical

Test Report No.: G0M-2205-1454-TFC247WF-V02

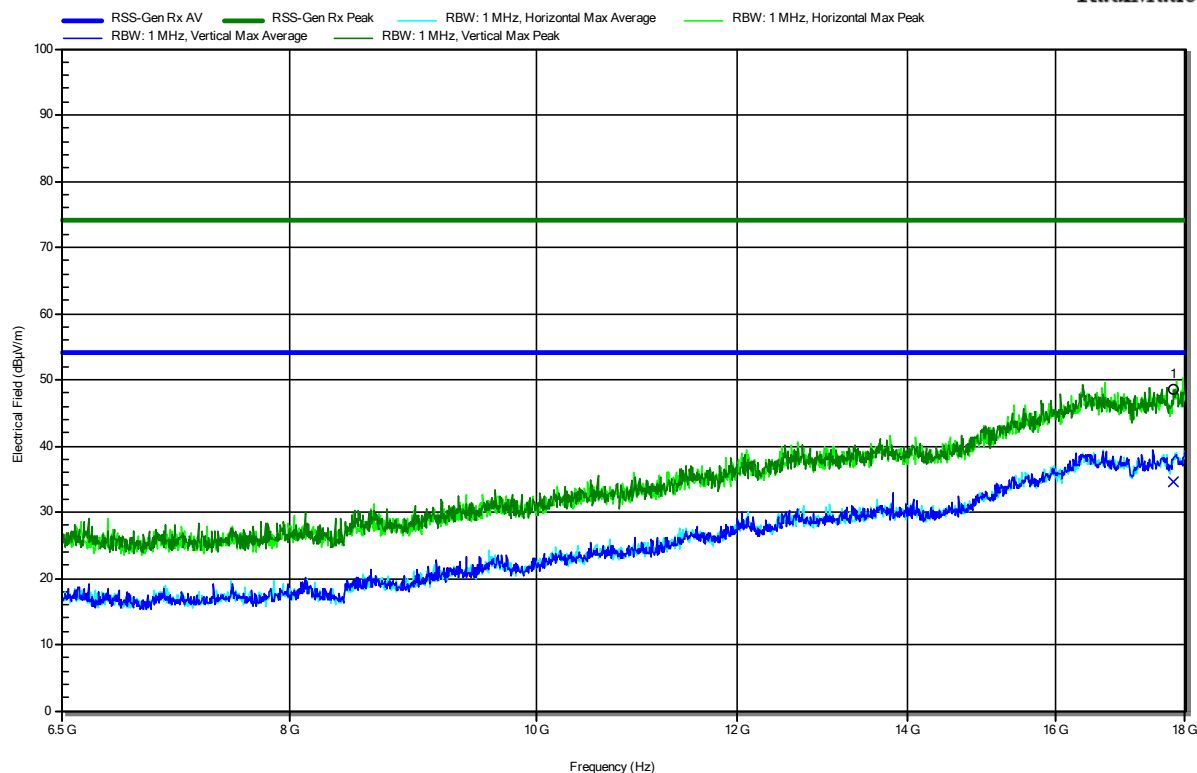
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to RSS-247, RSS-Gen Issue 5

Project Number: G0M-2205-1454
 Applicant: u-blox AG
 Model Description: Stand-alone multiradio module
 Model: NORA-W101
 Test Sample ID: 40677
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Qawasmeh
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 22 °Celsius, Vnom: 3.3 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Rx; IEEE802.11g; CH 6_2437 MHz; BW20
 Test Date: 2022-11-11
 Note: With external antenna (PN PRO-IS-237)

Index 217

RadiMation



Frequency 17.812 GHz	Peak 48.51 dBµV/m	Peak Limit 74 dBµV/m	Peak Difference -25.49 dB	Peak Status Pass	Polarization Vertical
Frequency 17.812 GHz	Average 34.54 dBµV/m	Average Limit 53.98 dBµV/m	Average Difference -19.44 dB	Average Status Pass	Polarization Vertical

== = END OF TEST REPORT == =

Test Report No.: G0M-2205-1454-TFC247WF-V02

Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany