

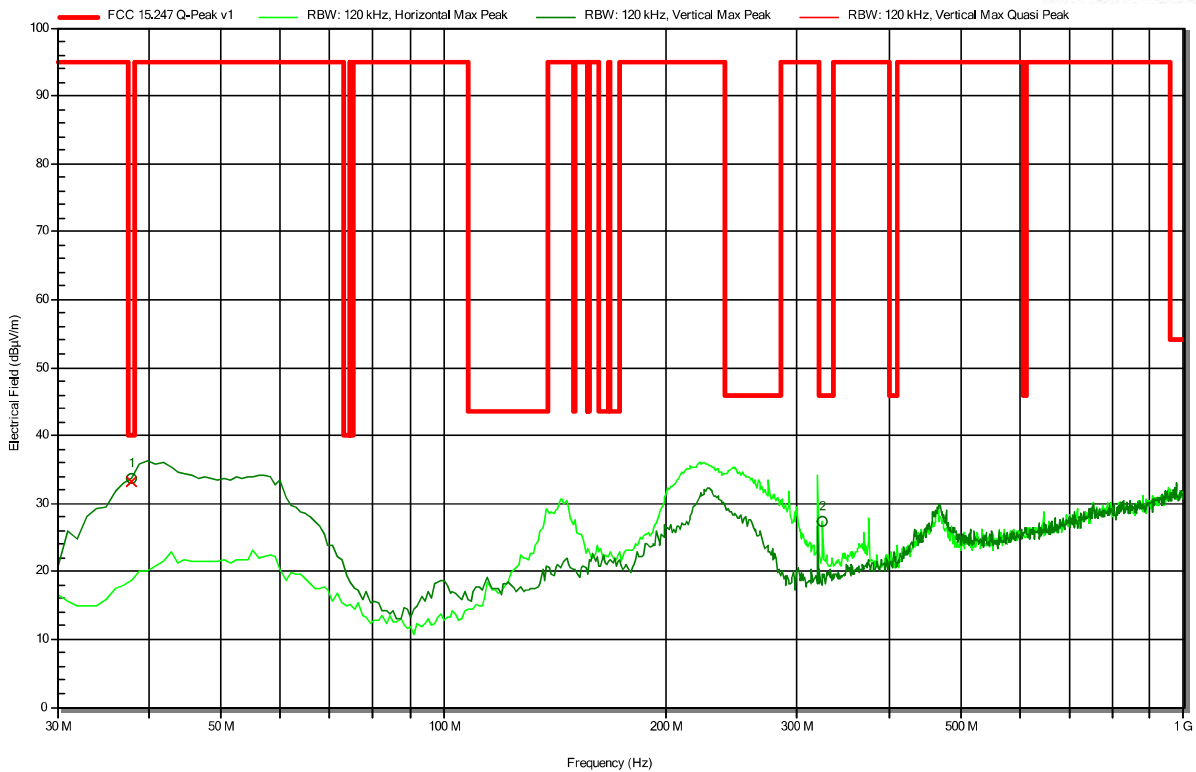
## ANNEX B Transmitter spurious emissions Antenna-2

### Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2403-2495  
 Applicant: Jungheinrich AG  
 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2023.2.6  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck VULB 9168  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2405 MHz\_Tx  
 Test Date: 2024-06-14

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RadiMation



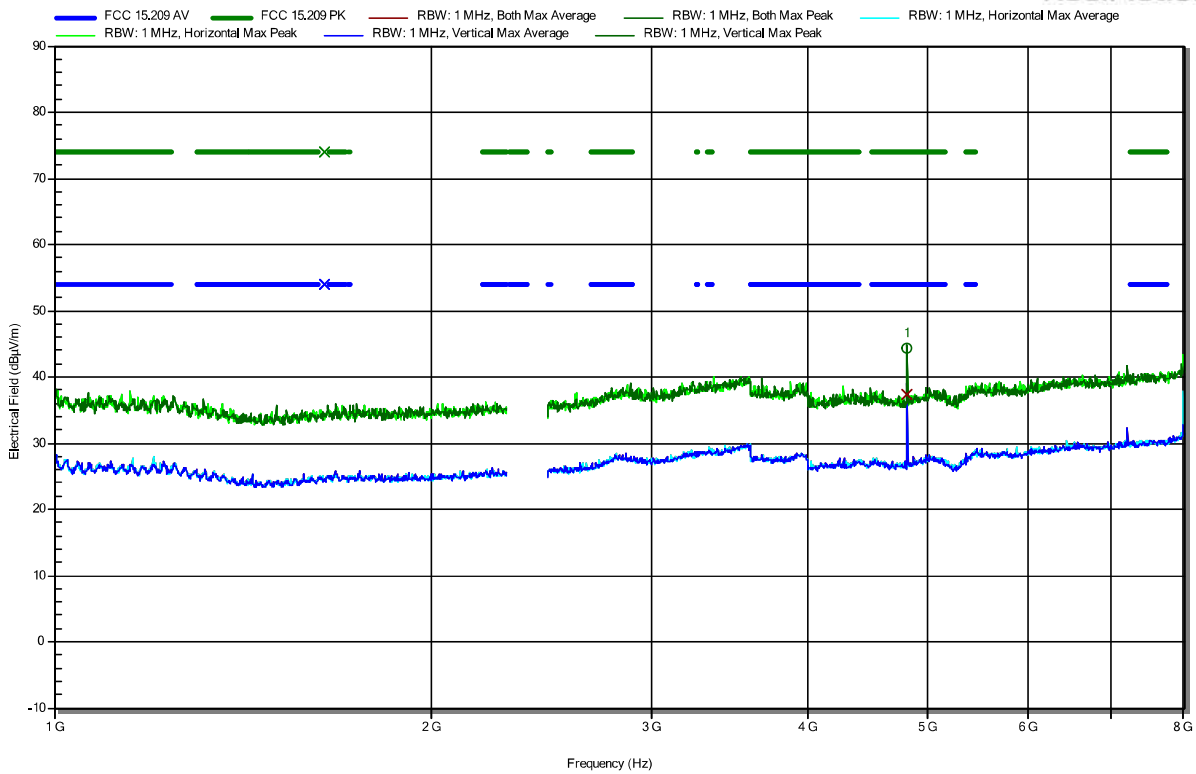
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
2	324.88	27.3	46	-18.65	Pass	Horizontal
Peak Number	Frequency (MHz)	Quasi-Peak (dBµV/m)	Quasi-Peak Limit (dBµV/m)	Quasi-Peak Difference (dB)	Quasi-Peak Status	Polarization
1	37.76	33.1	40	-6.87	Pass	Vertical

### Radiated Spurious Emissions according to 47 CFR Part 15.247

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 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck BBHA 9120B  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2405 MHz\_Tx  
 Test Date: 2024-06-13

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RadiMation



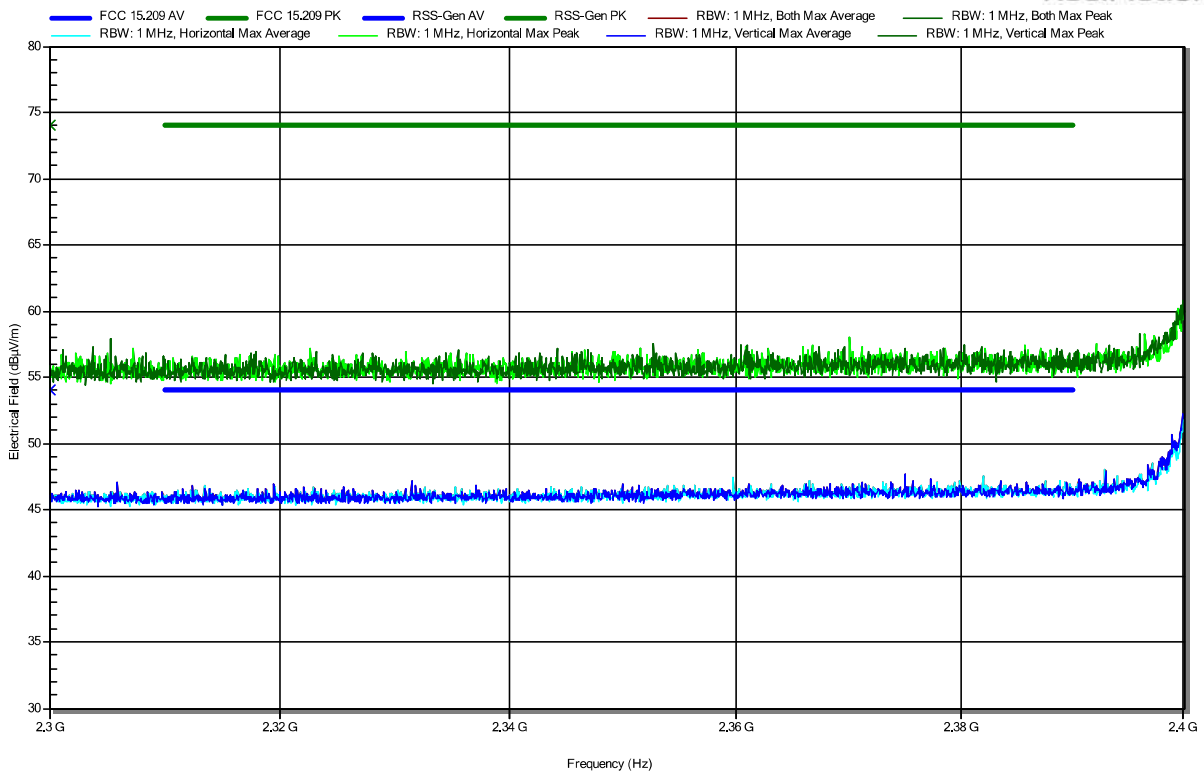
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
1	4810.9333	44.42	74	-29.58	Pass	Vertical
Peak Number	Frequency (MHz)	Average (dBµV/m)	Average Limit (dBµV/m)	Average Difference (dB)	Average Status	Polarization
1	4810.9333	37.31	54	-16.69	Pass	Vertical

### Radiated Spurious Emissions according to 47 CFR Part 15.247

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 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck BBHA 9120B  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2405 MHz\_Tx  
 Test Date: 2024-06-13  
 Note: lower bandedge

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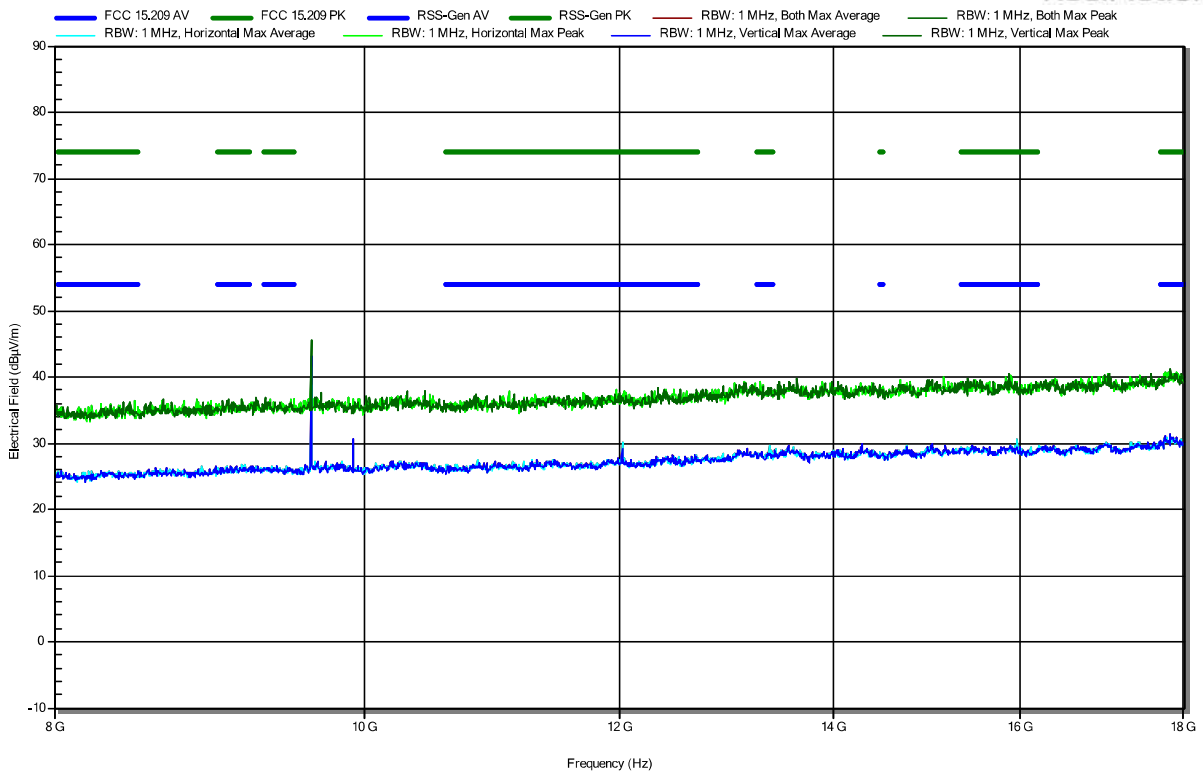


**Radiated Spurious Emissions according to 47 CFR Part 15.247**

Project Number: G0M-2403-2495  
 Applicant: Jungheinrich AG  
 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck HWRD 650  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2405 MHz\_Tx  
 Test Date: 2024-06-13

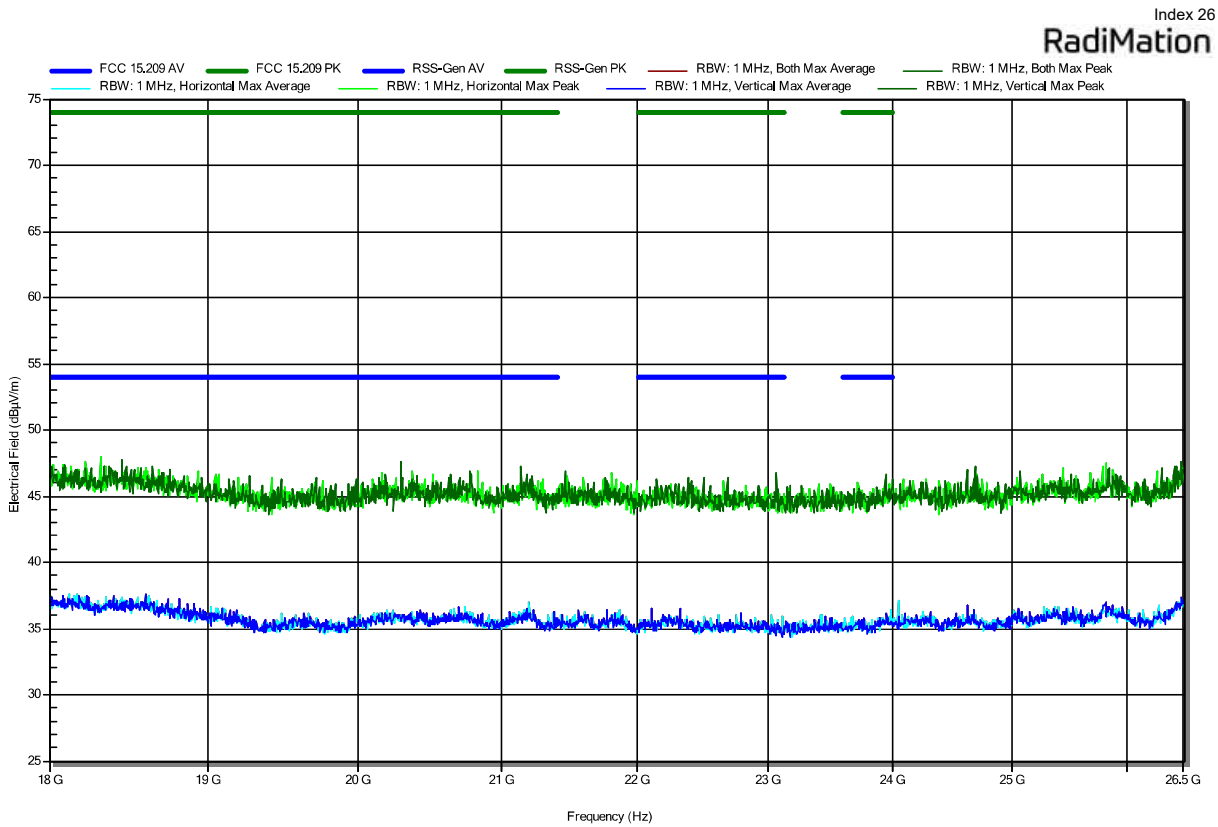
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**RadiMation**



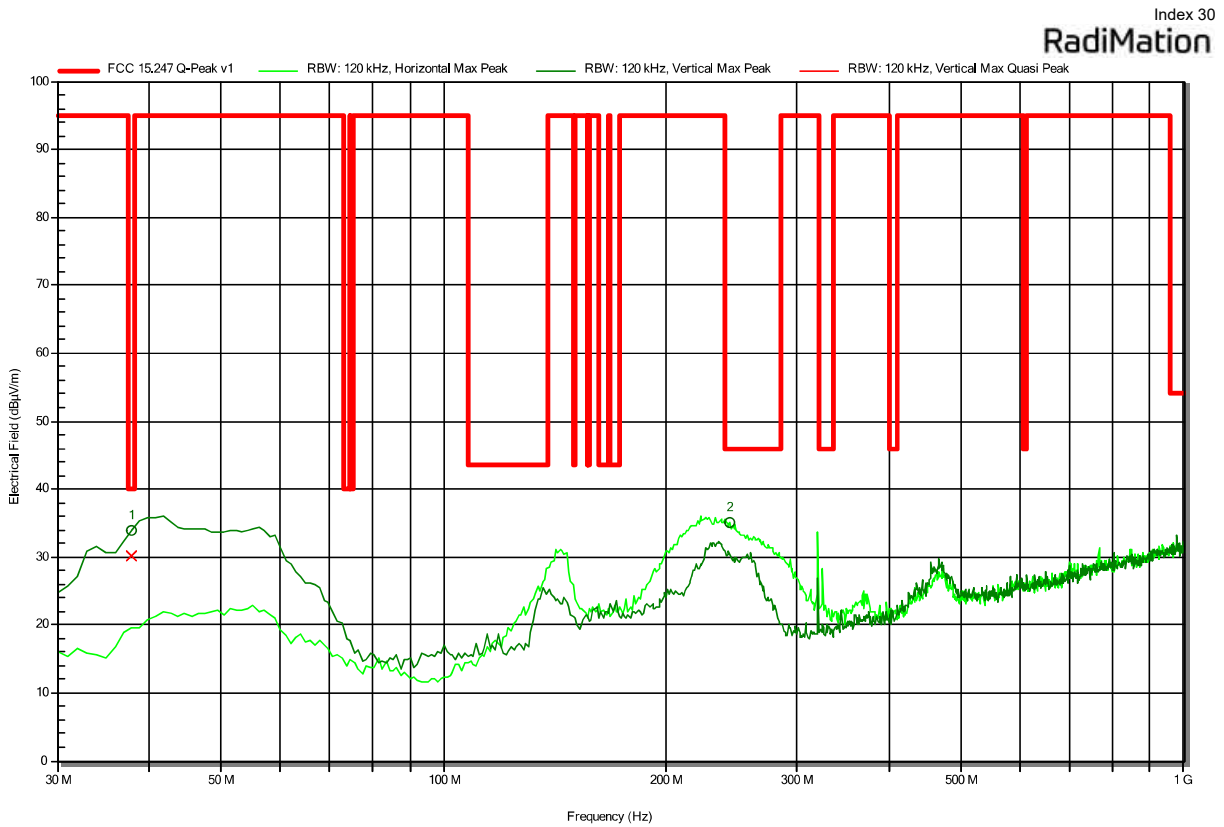
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Project Number: G0M-2403-2495  
 Applicant: Jungheinrich AG  
 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Amplifier Research AT4560  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2405 MHz\_Tx  
 Test Date: 2024-06-13



### Radiated Spurious Emissions according to 47 CFR Part 15.247

Project Number: G0M-2403-2495  
 Applicant: Jungheinrich AG  
 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2023.2.6  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck VULB 9168  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2440 MHz\_Tx  
 Test Date: 2024-06-14



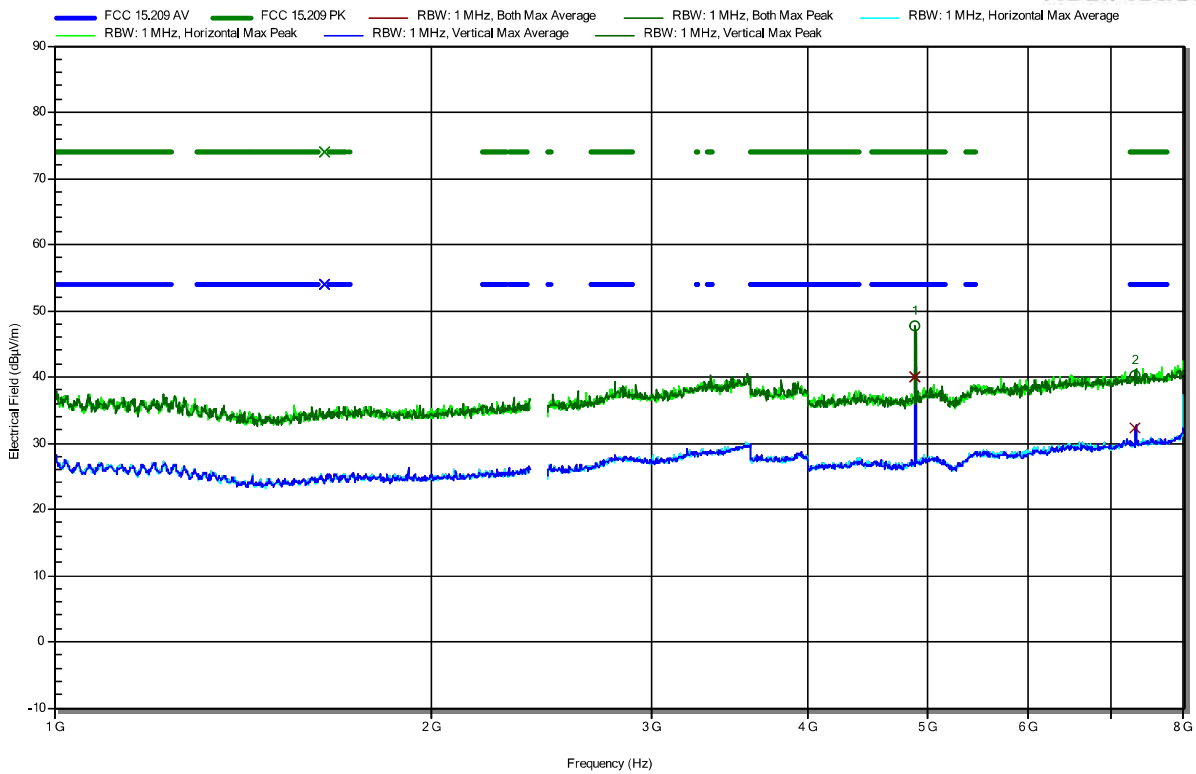
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
2	243.4	35	46	-10.95	Pass	Horizontal
Peak Number	Frequency (MHz)	Quasi-Peak (dBµV/m)	Quasi-Peak Limit (dBµV/m)	Quasi-Peak Difference (dB)	Quasi-Peak Status	Polarization
1	37.76	30.1	40	-9.88	Pass	Vertical

### Radiated Spurious Emissions according to 47 CFR Part 15.247

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 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck BBHA 9120B  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2440 MHz\_Tx  
 Test Date: 2024-06-13

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RadiMation



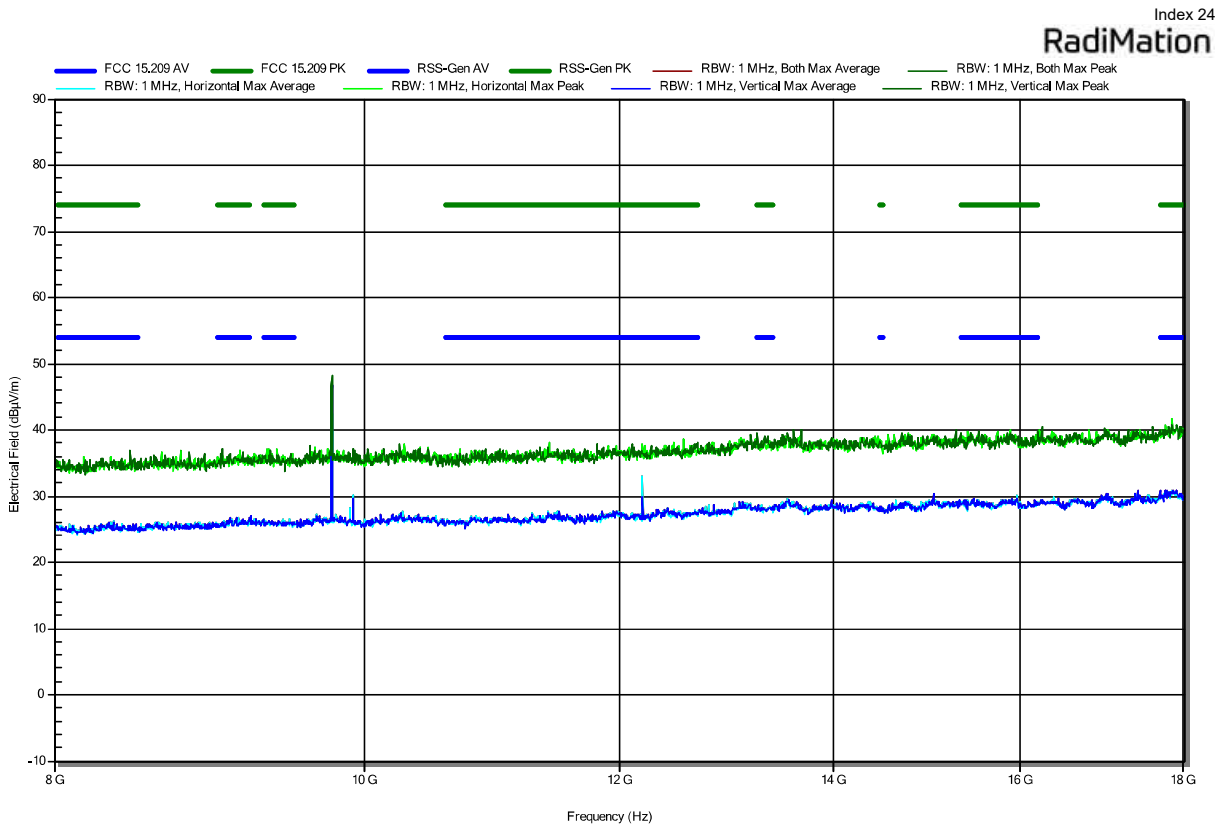
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
1	4878.9333	47.74	74	-26.26	Pass	Vertical
2	7321.8667	40.14	74	-33.86	Pass	Vertical

Peak Number	Frequency (MHz)	Average (dBµV/m)	Average Limit (dBµV/m)	Average Difference (dB)	Average Status	Polarization
1	4878.9333	40.08	54	-13.92	Pass	Vertical
2	7321.8667	32.38	54	-21.62	Pass	Vertical

### Radiated Spurious Emissions according to 47 CFR Part 15.247

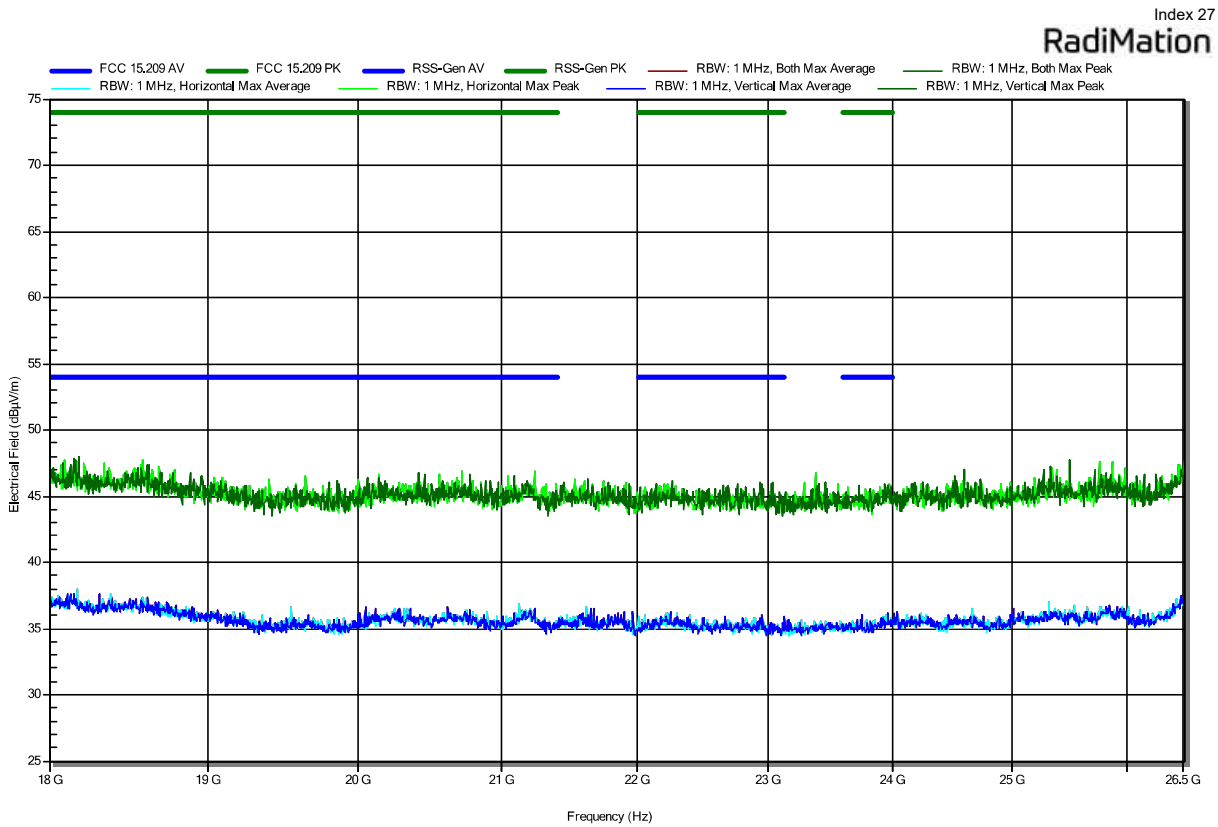
Project Number: G0M-2403-2495  
 Applicant: Jungheinrich AG  
 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck HWRD 650  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2440 MHz\_Tx  
 Test Date: 2024-06-13





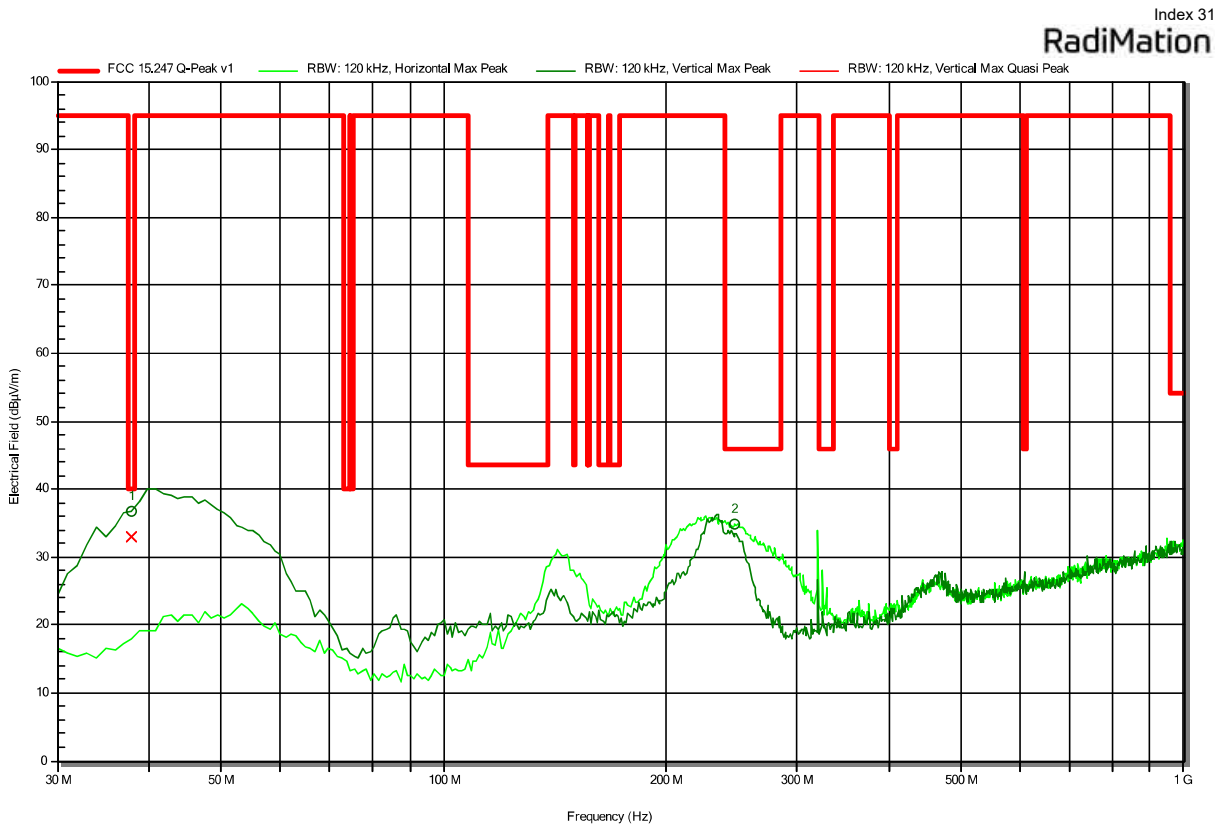
**Radiated Spurious Emissions according to 47 CFR Part 15.247**

Project Number: G0M-2403-2495  
 Applicant: Jungheinrich AG  
 Model Description: UWB-Location-System  
 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Amplifier Research AT4560  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2440 MHz\_Tx  
 Test Date: 2024-06-13



### Radiated Spurious Emissions according to 47 CFR Part 15.247

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 Model: 52445054, Anchor  
 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2023.2.6  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck VULB 9168  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2475 MHz\_Tx  
 Test Date: 2024-06-14



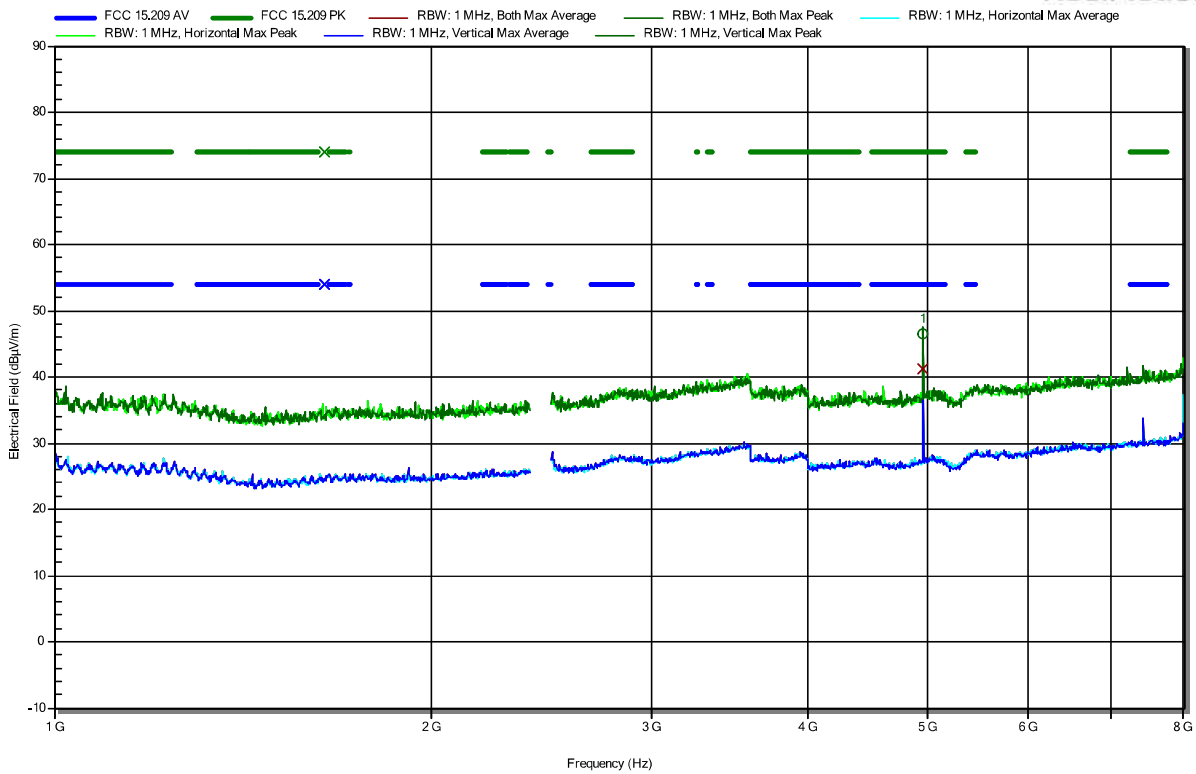
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
2	247.28	34.9	46	-11.1	Pass	Horizontal
Peak Number	Frequency (MHz)	Quasi-Peak (dBµV/m)	Quasi-Peak Limit (dBµV/m)	Quasi-Peak Difference (dB)	Quasi-Peak Status	Polarization
1	37.76	33.1	40	-6.92	Pass	Vertical

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 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck BBHA 9120B  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2475 MHz\_Tx  
 Test Date: 2024-06-13

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RadiMation

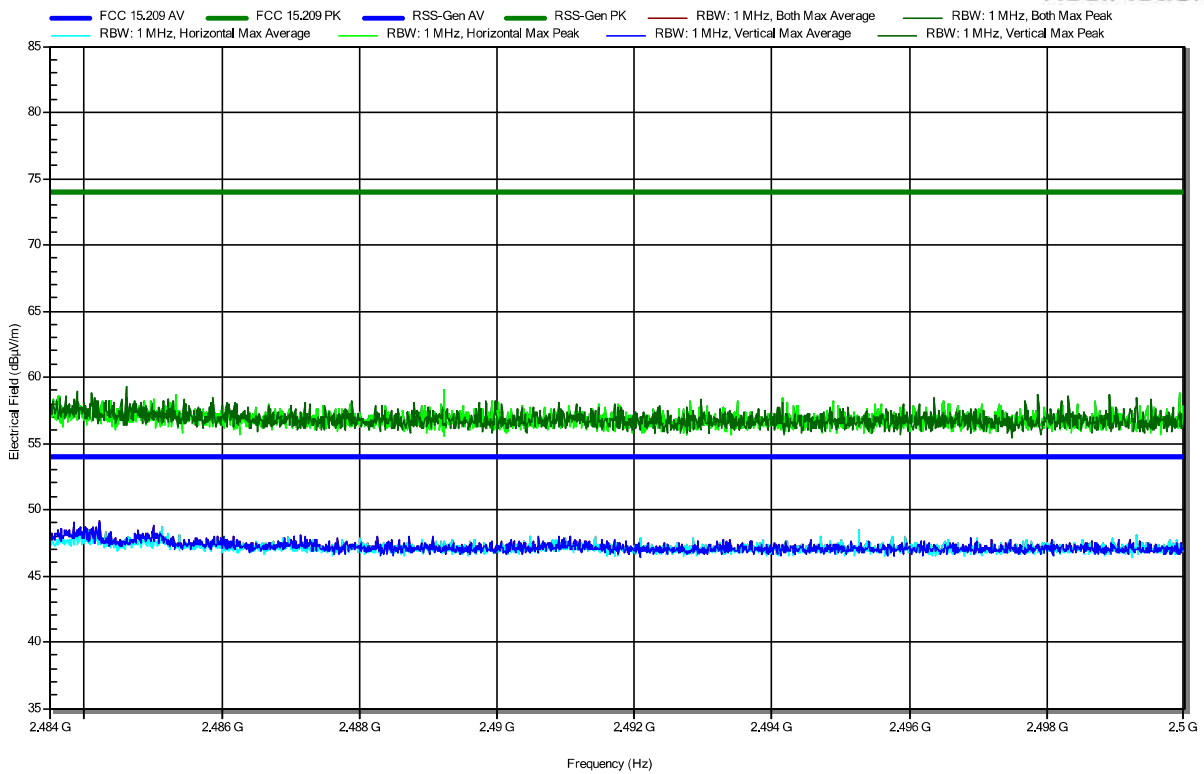


Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak Limit (dBµV/m)	Peak Difference (dB)	Peak Status	Polarization
1	4948.9333	46.47	74	-27.53	Pass	Vertical
Peak Number	Frequency (MHz)	Average (dBµV/m)	Average Limit (dBµV/m)	Average Difference (dB)	Average Status	Polarization
1	4948.9333	41.18	54	-12.82	Pass	Vertical

### Radiated Spurious Emissions according to 47 CFR Part 15.247

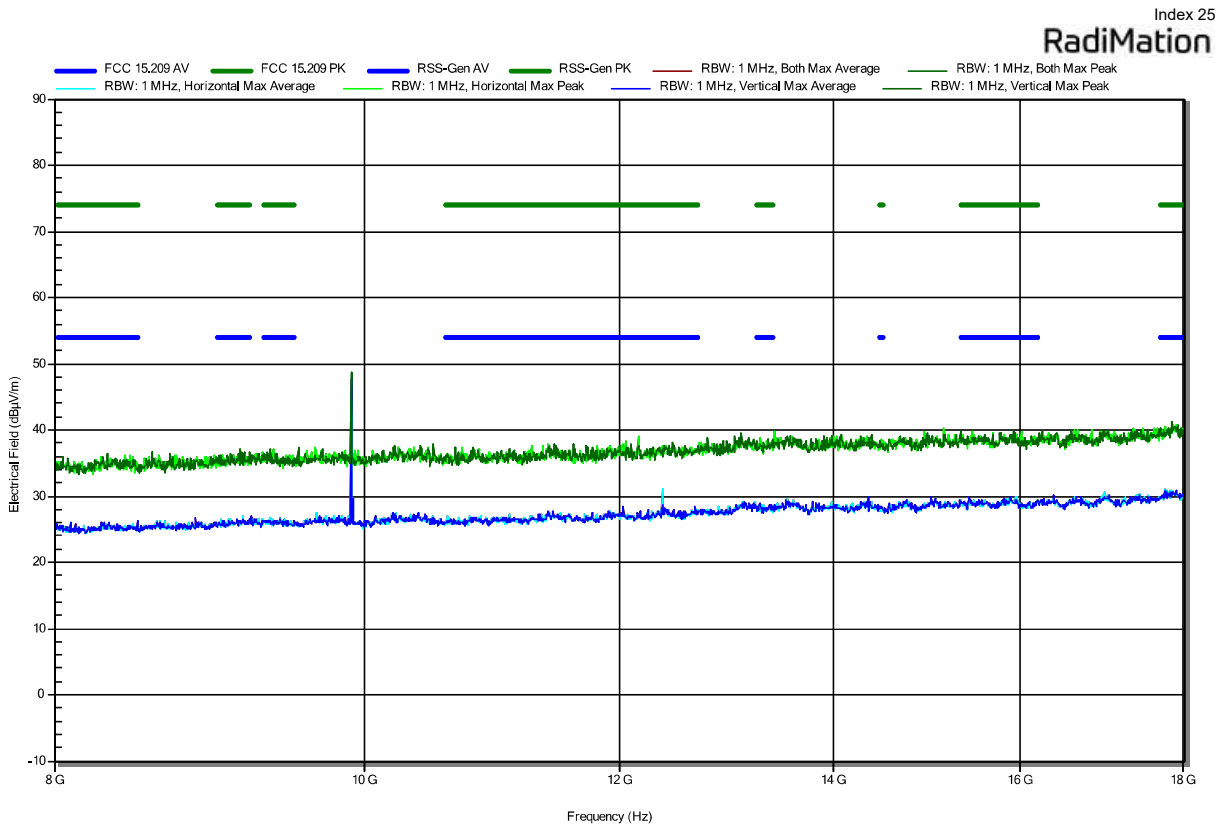
Project Number: G0M-2403-2495  
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 Model Description: UWB-Location-System  
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 Test Sample ID: 48554  
 Test Site: Eurofins Product Service GmbH  
 Operator: Mr. Ibraimov  
 Measurement software: RadiMation, version 2020.1.8  
 Test Conditions: Tnom: 25 °Celsius, Vnom: 55 V DC  
 Antenna: Schwarzbeck BBHA 9120B  
 Measurement distance: 3 m  
 Mode: Tx; 802.15.4\_2475 MHz\_Tx  
 Test Date: 2024-06-13  
 Note: upper bandedge

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RadiMation



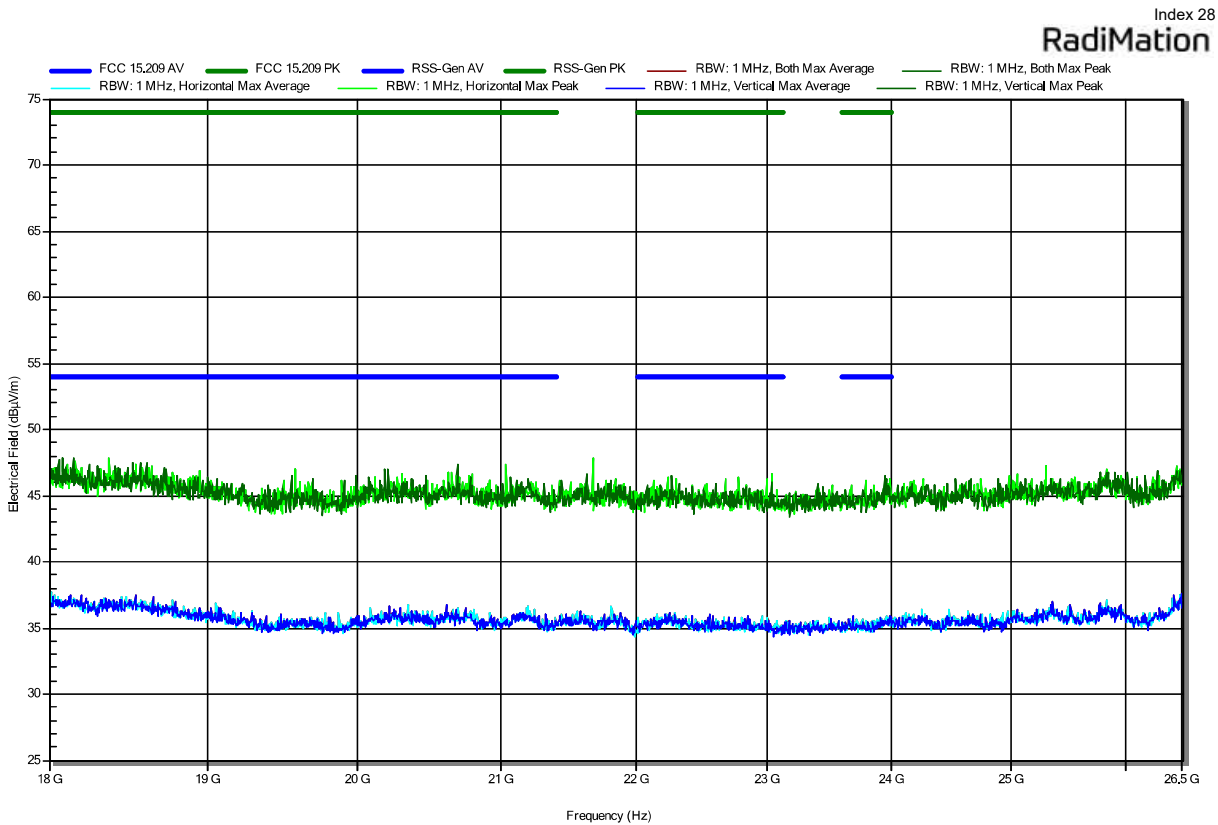
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 Test Date: 2024-06-13



=== End of test report ===