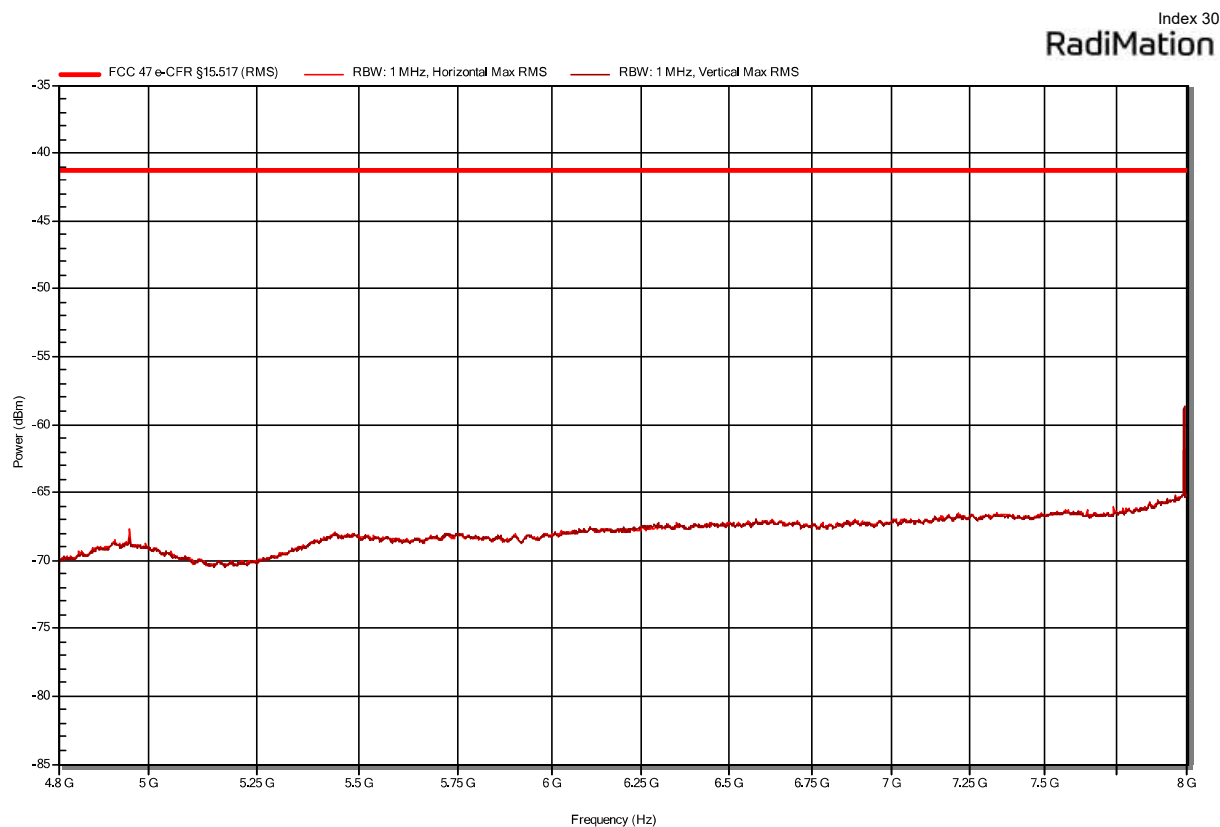


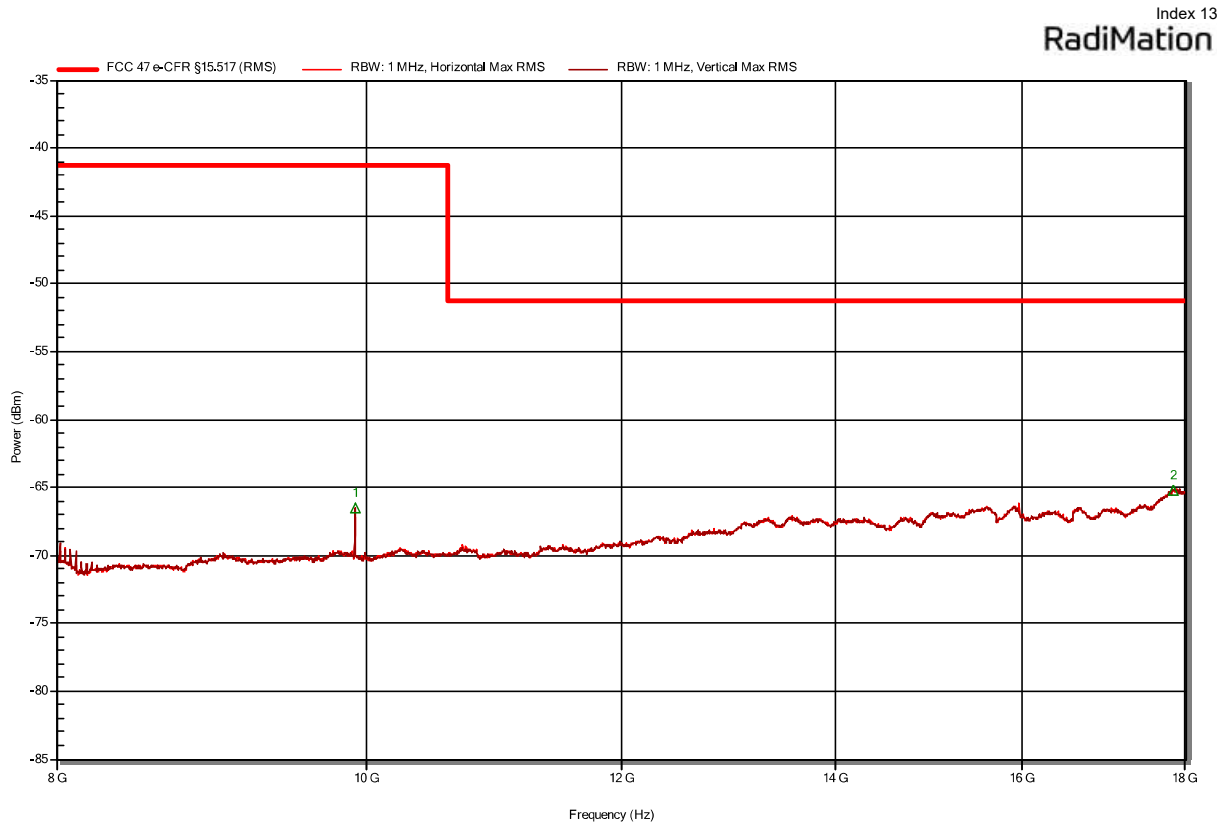
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB1
 Test Date: 2024-06-21



Radiated Spurious Emissions according to 47 CFR Part 15.517

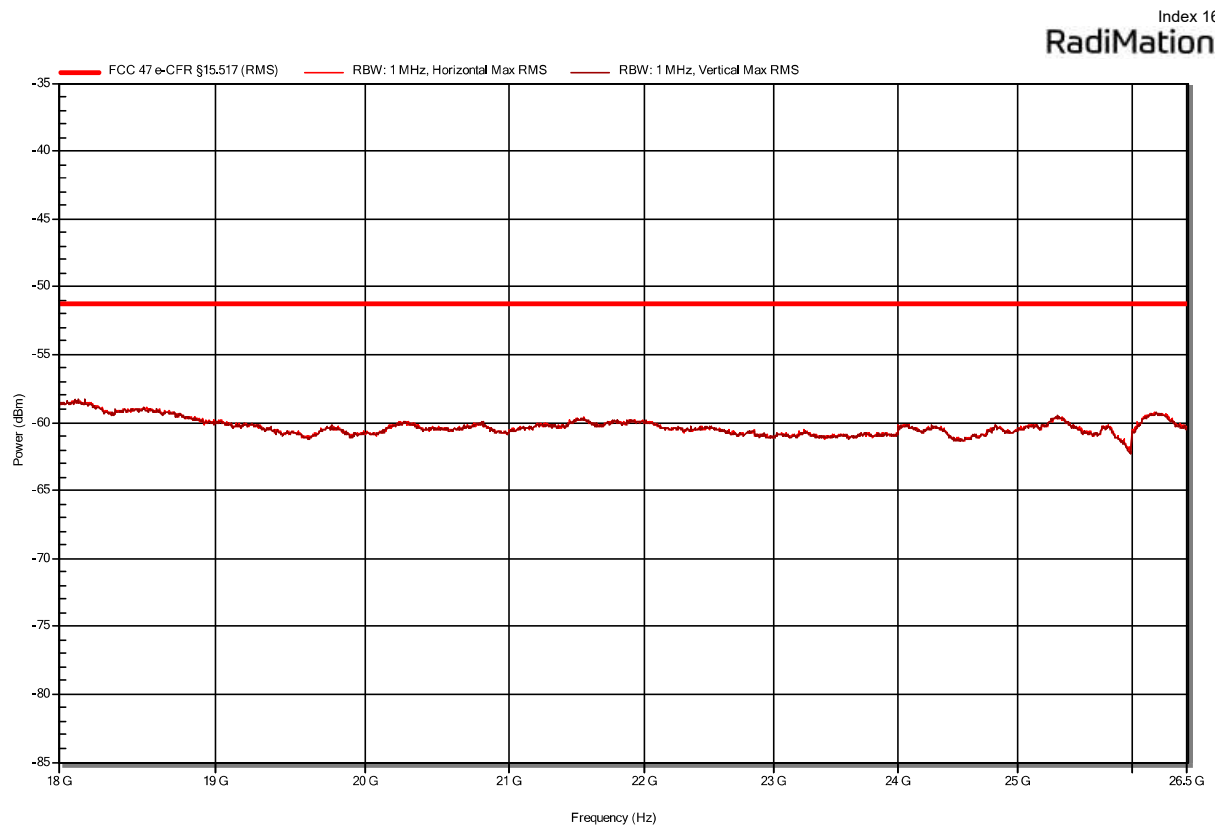
Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB1
 Test Date: 2024-06-19



Peak Number	Frequency (MHz)	RMS (dBm)	RMS (dBm)	Limit (dB)	RMS Difference	RMS Status	Polarization
1	9911.6667	-66.5	-41.3	-25.2	Pass	Pass	Vertical
2	17849.3333	-65.3	-51.3	-13.98	Pass	Pass	Vertical

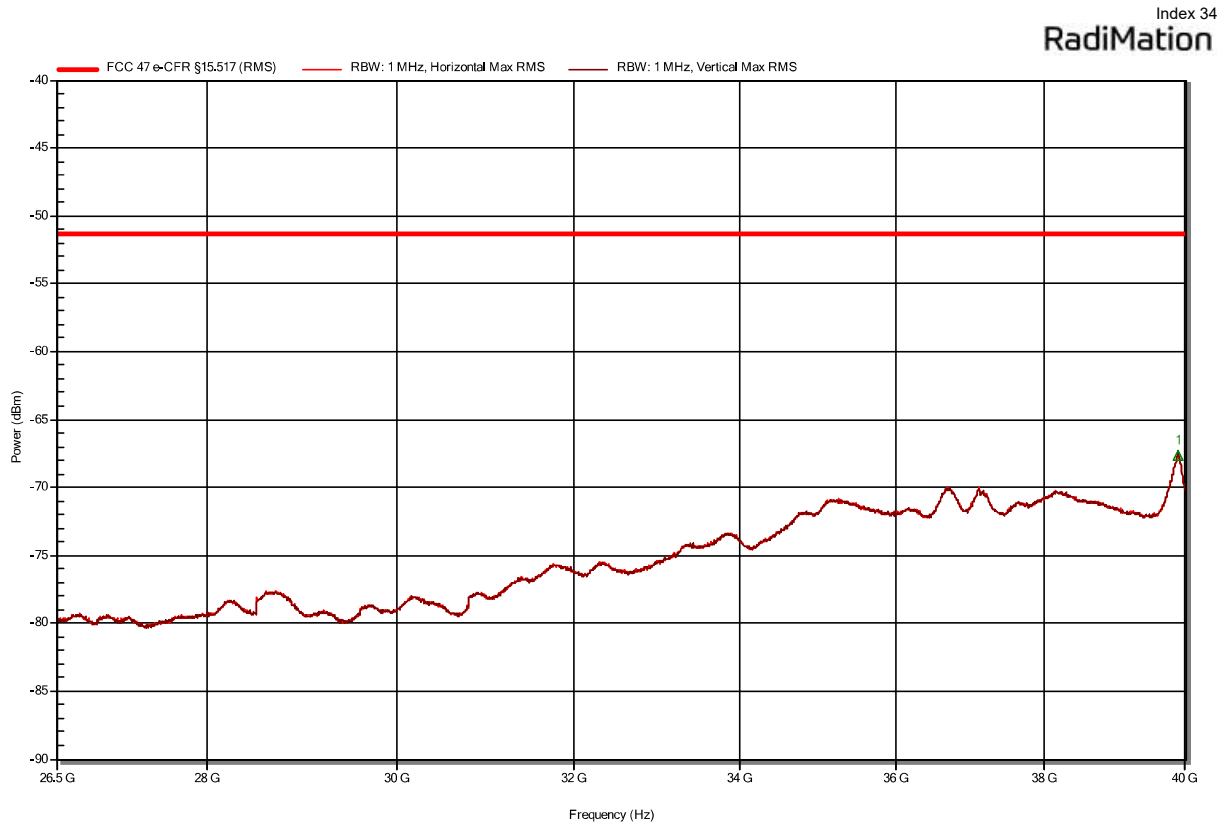
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB1
 Test Date: 2024-06-19



Radiated Spurious Emissions according to 47 CFR Part 15.517

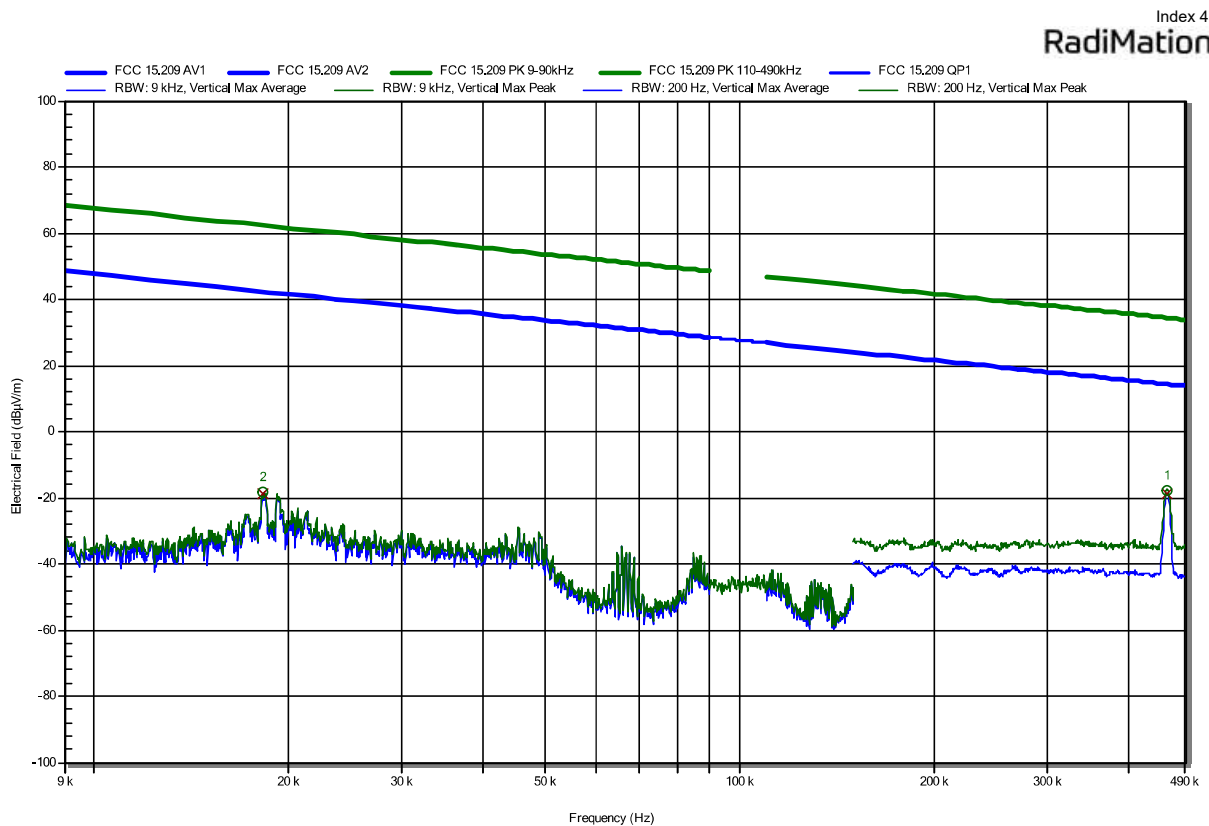
Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Flann 22240-25
 Measurement distance: 1 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB1
 Test Date: 2024-06-24



Peak Number	Frequency (MHz)	RMS (dBm)	RMS (dBm)	Limit (dB)	RMS Difference	RMS Status	Polarization
1	39898.75	-67.6	-51.3	-16.31		Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2, Vertical
 Measurement distance: 3 m, converted to 300 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-26
 Note: Antenna parallel to EUT PCB



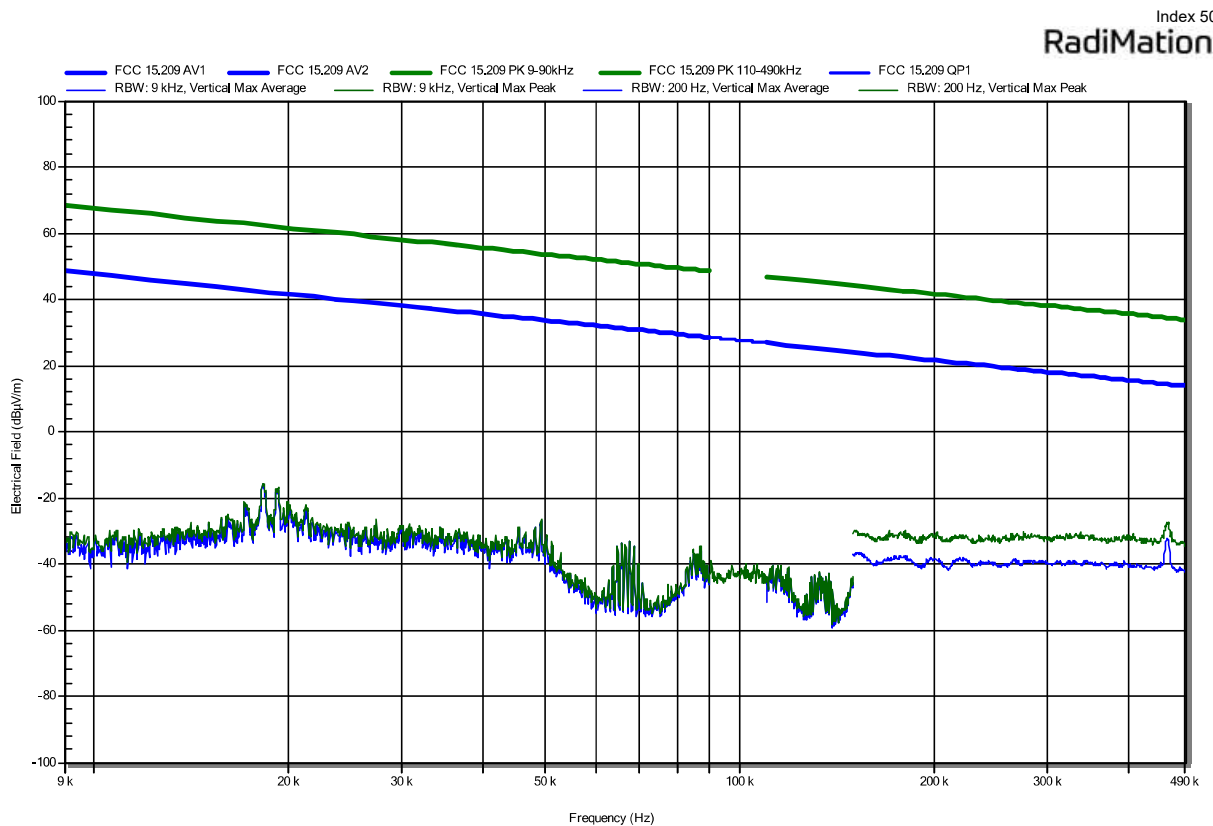
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak (dB)	Difference	Peak Status
1	0.459	-17.6	34.4		-52.01		Pass
2	0.018	-18.4	62.3		-80.76		Pass
Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average (dB)	Difference	Average Status
1	0.459	-18.7	14.4		-33.04		Pass
2	0.018	-18.7	42.3		-61		Pass

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

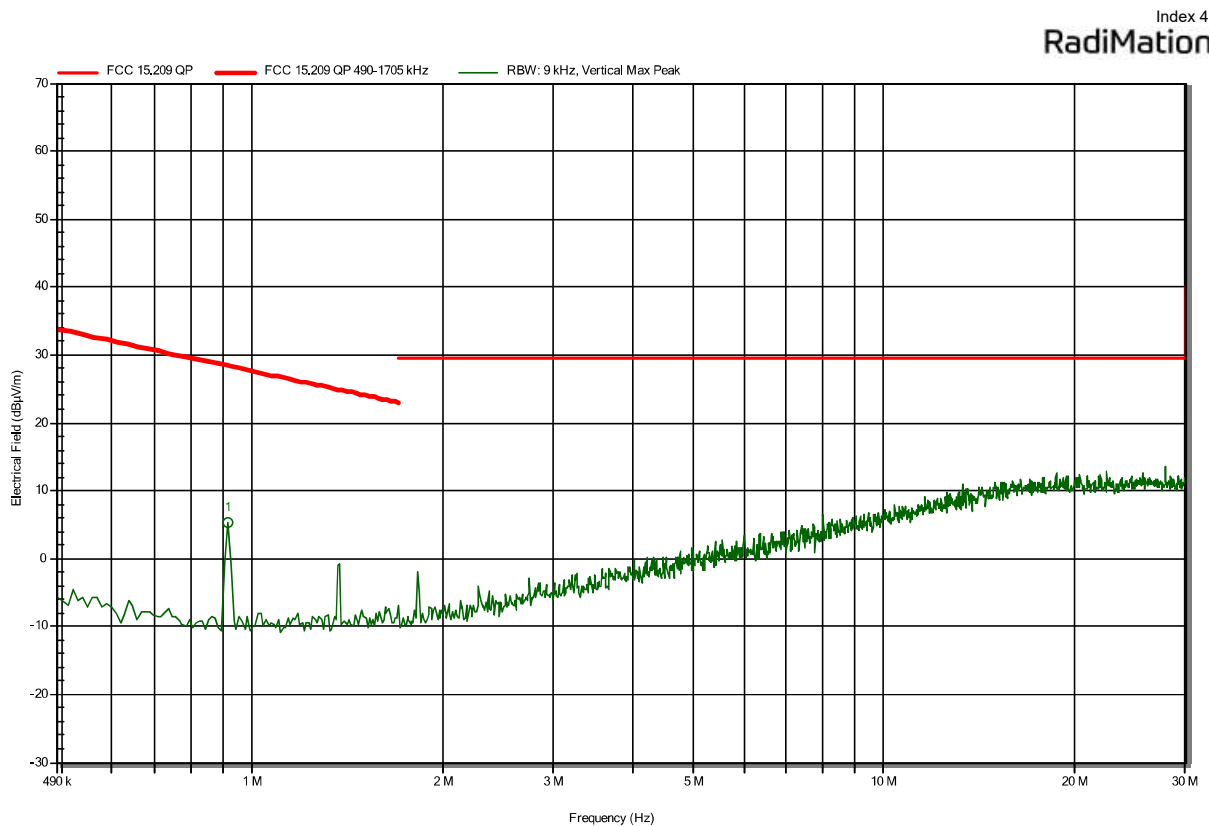
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2, Vertical
 Measurement distance: 3 m, converted to 300 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-26
 Note: Antenna perpendicular to EUT PCB



Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-26
 Note: Antenna parallel to EUT PCB



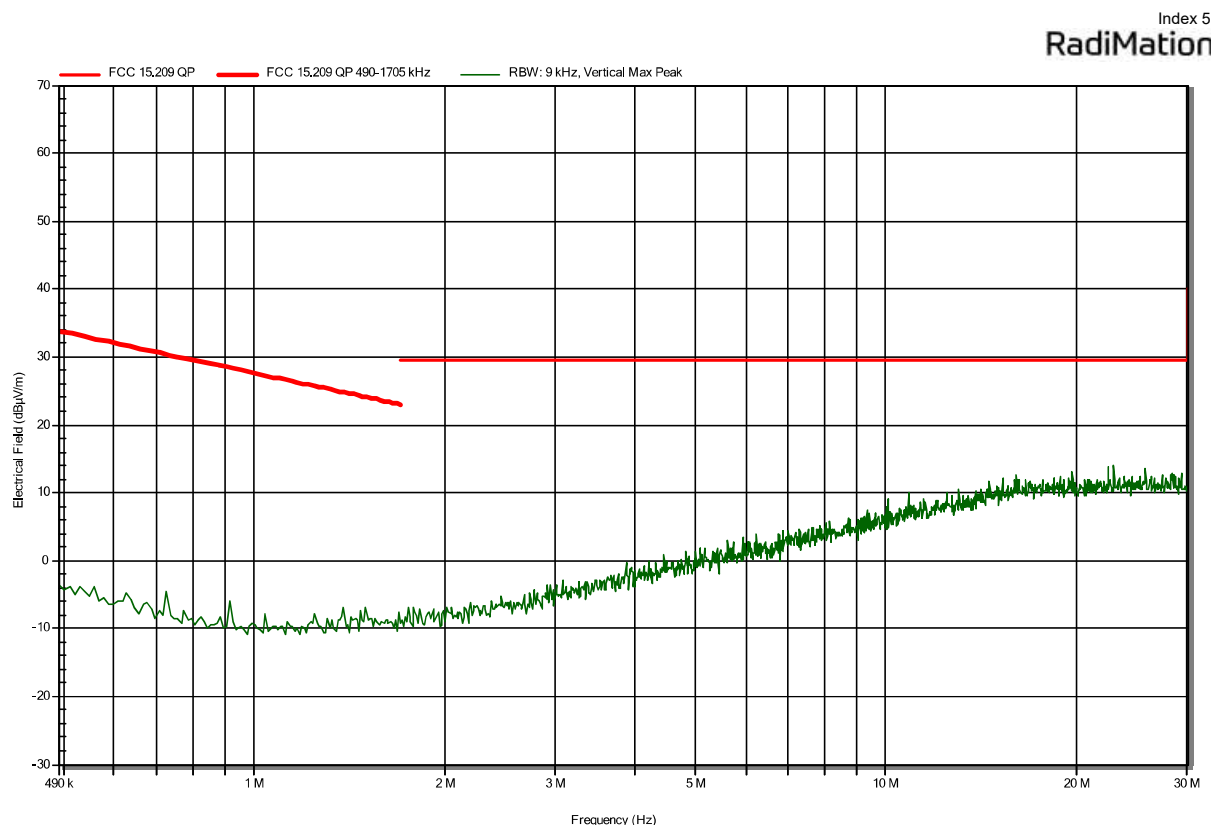
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit (dB)	Peak Difference	Peak Status	Polarization
1	0.913	5.2	28.4	-23.18		Pass	Vertical

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

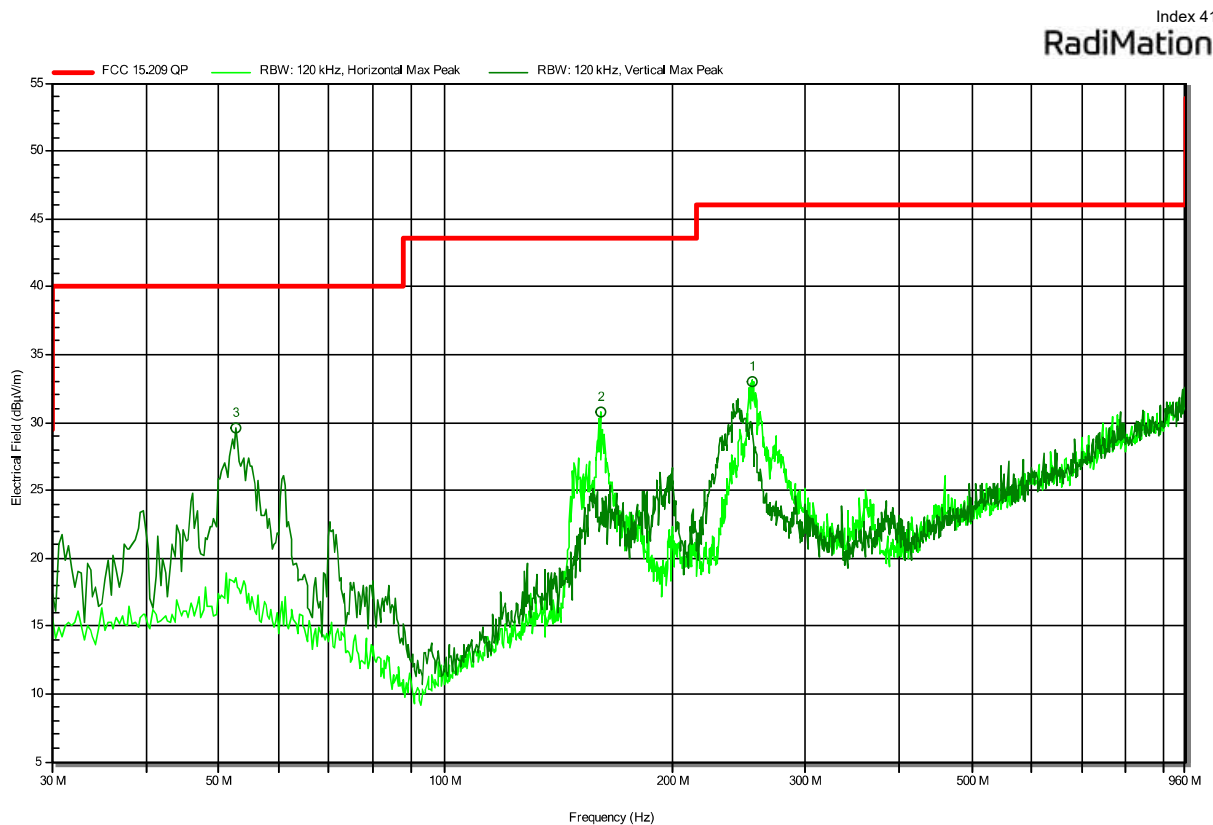
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-26
 Note: Antenna perpendicular to EUT PCB



Radiated Spurious Emissions according to 47 CFR Part 15.517

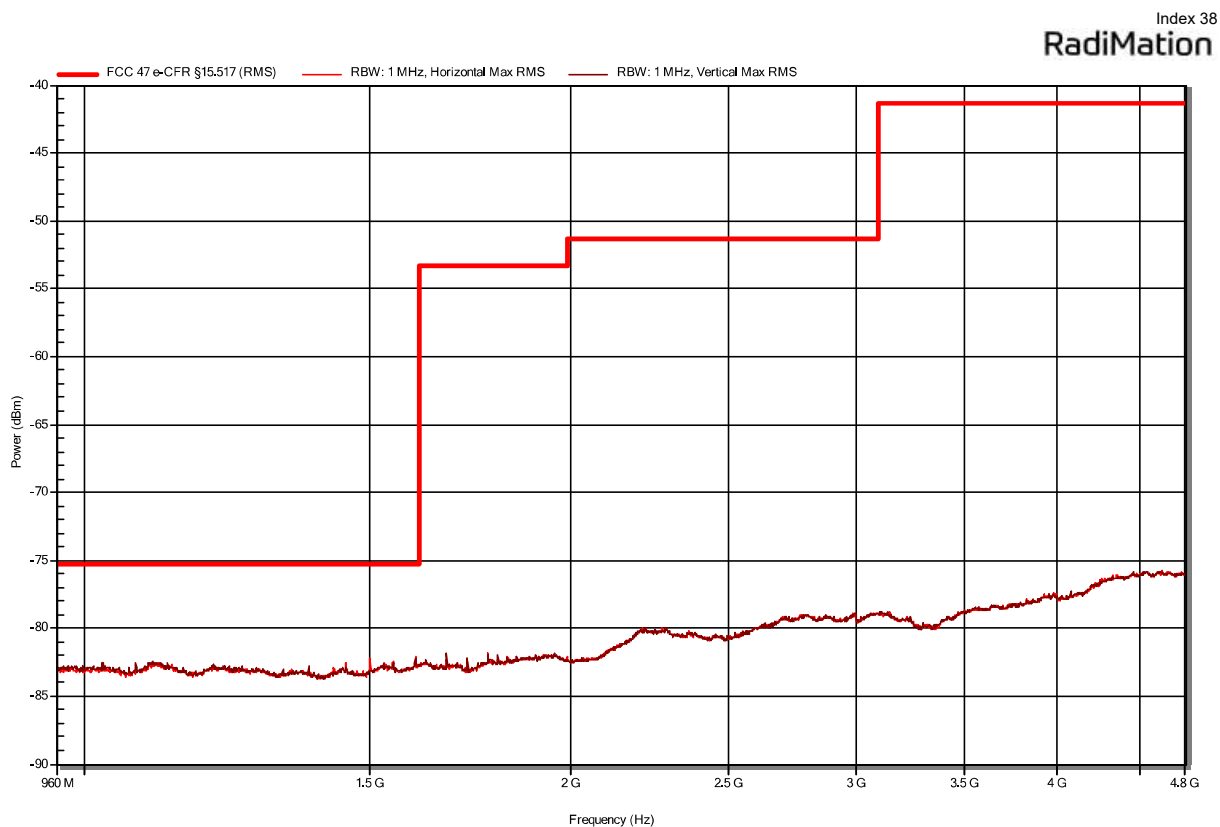
Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-25



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak Difference (dB)	Peak Status	Polarization
1	255.37	33	46		-12.99	Pass	Horizontal
2	160.51	30.8	43.5		-12.72	Pass	Horizontal
3	52.63	29.6	40		-10.41	Pass	Vertical

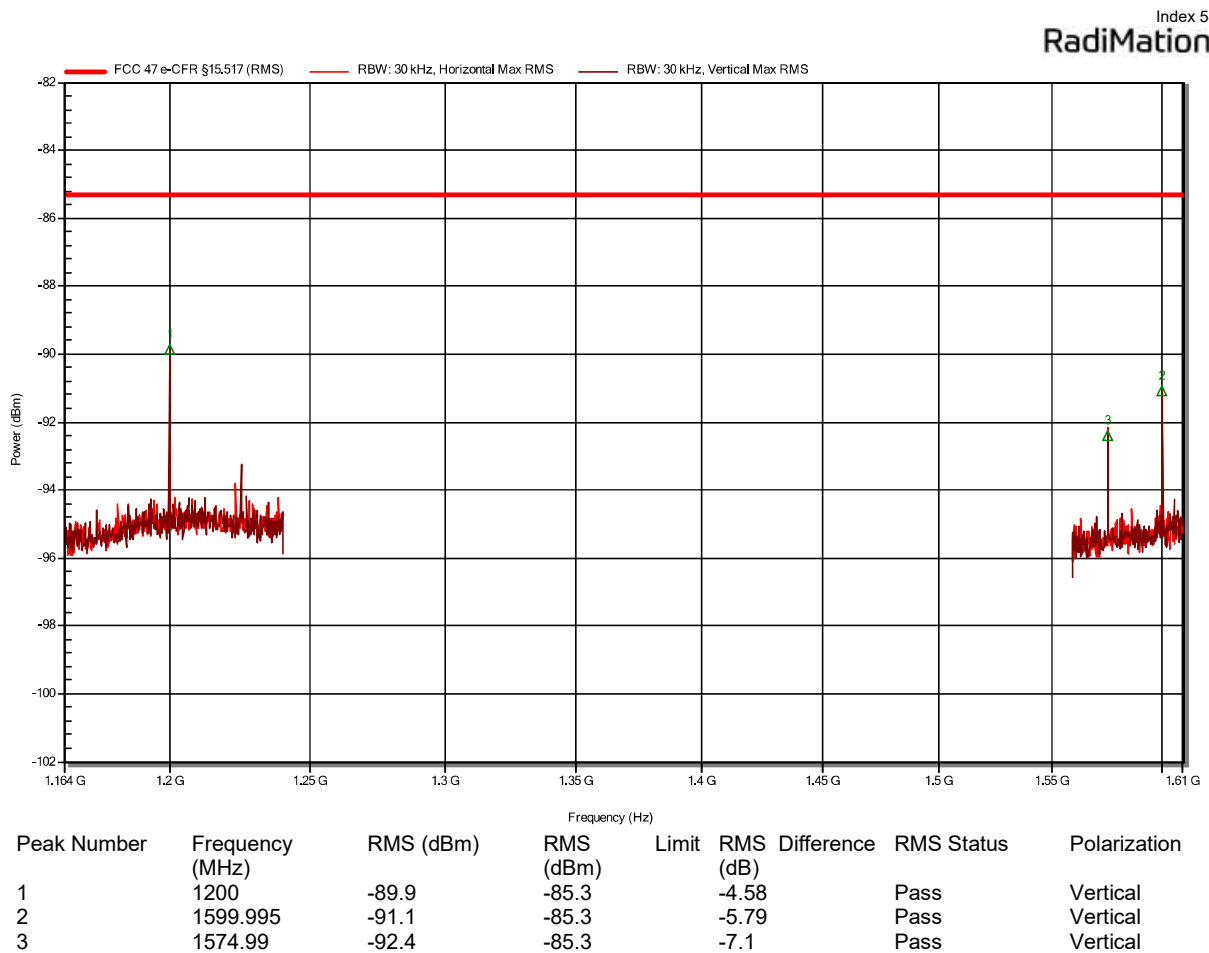
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 1.5 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-25



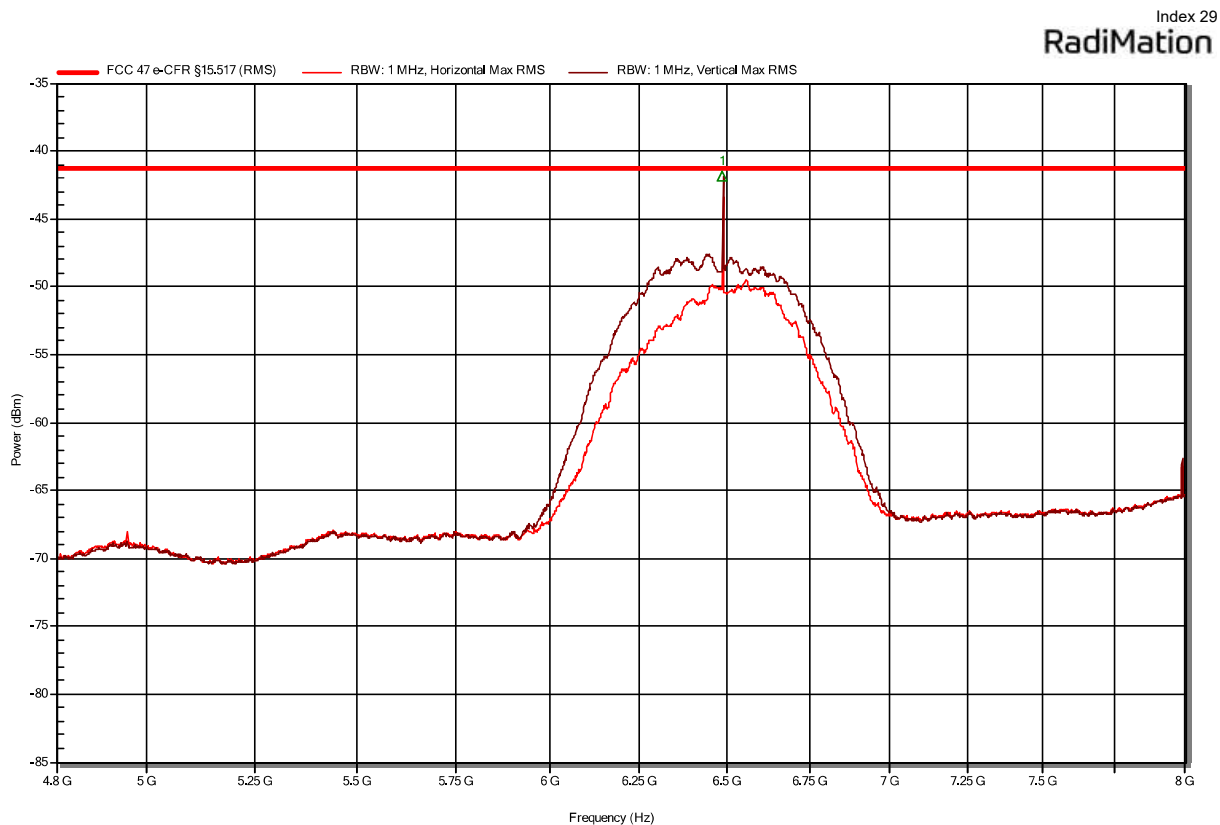
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 28 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 1.5 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-29



Radiated Spurious Emissions according to 47 CFR Part 15.517

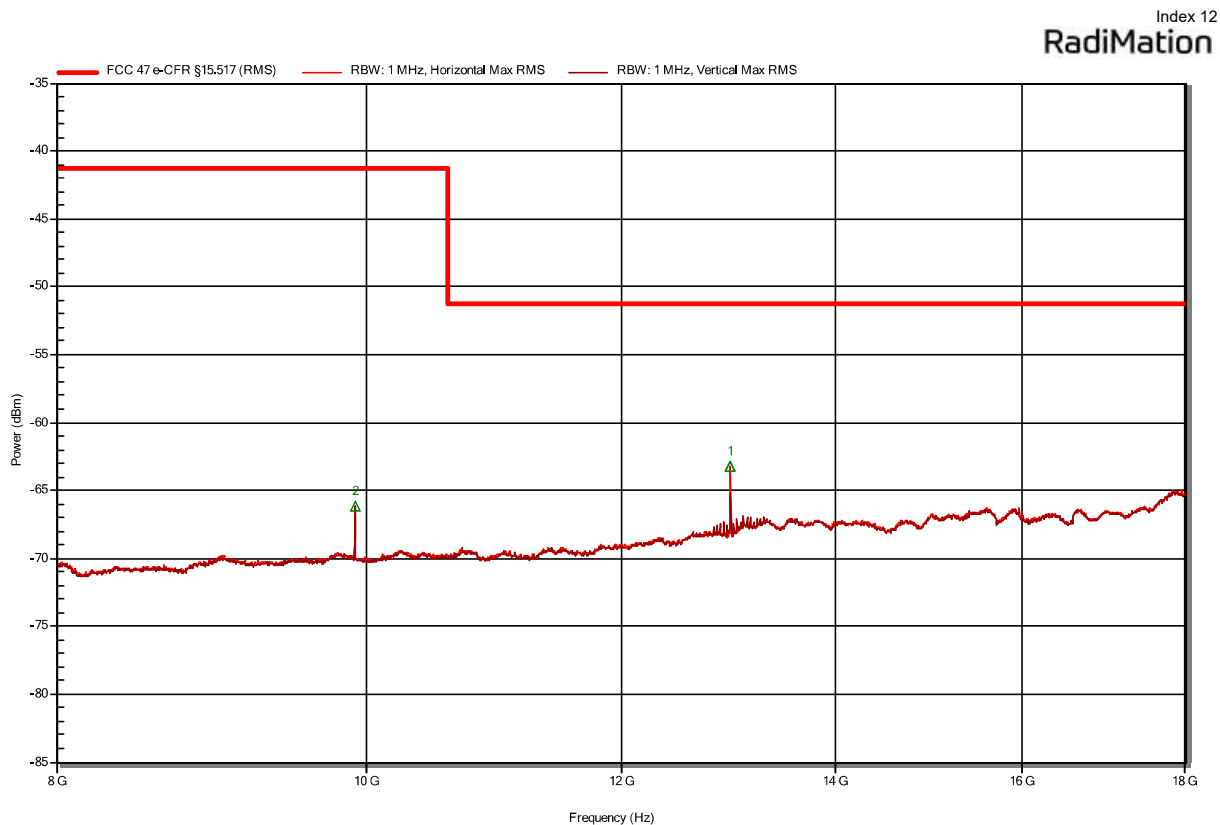
Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-21



Peak Number	Frequency (MHz)	RMS (dBm)	RMS (dBm)	Limit	RMS Difference (dB)	RMS Status	Polarization
1	6489.6	-41.9	-41.3	-0.59		Pass	Vertical

Radiated Spurious Emissions according to 47 CFR Part 15.517

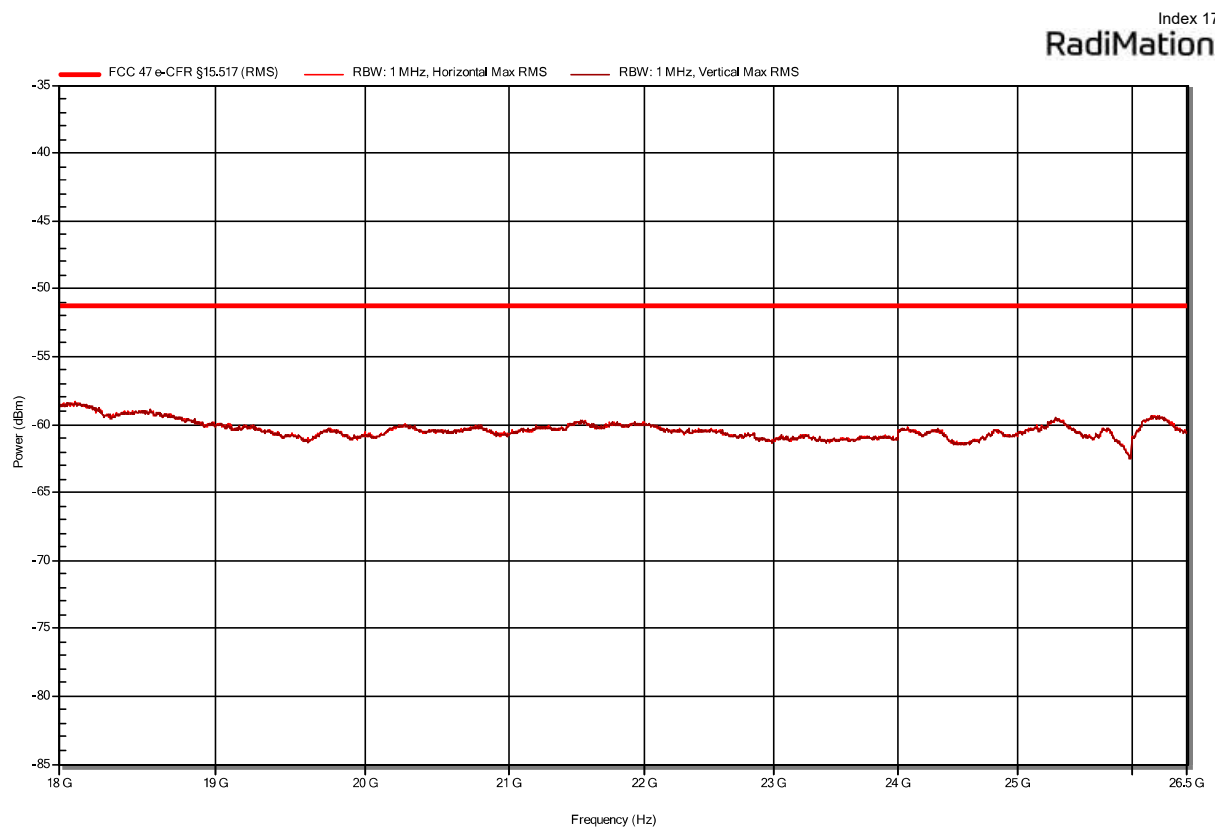
Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-19



Peak Number	Frequency (MHz)	RMS (dBm)	RMS (dBm)	Limit (dB)	RMS Difference	RMS Status	Polarization
1	12979.3333	-63.2	-51.3	-11.92		Pass	Horizontal
2	9911.6667	-66.2	-41.3	-24.9		Pass	Vertical

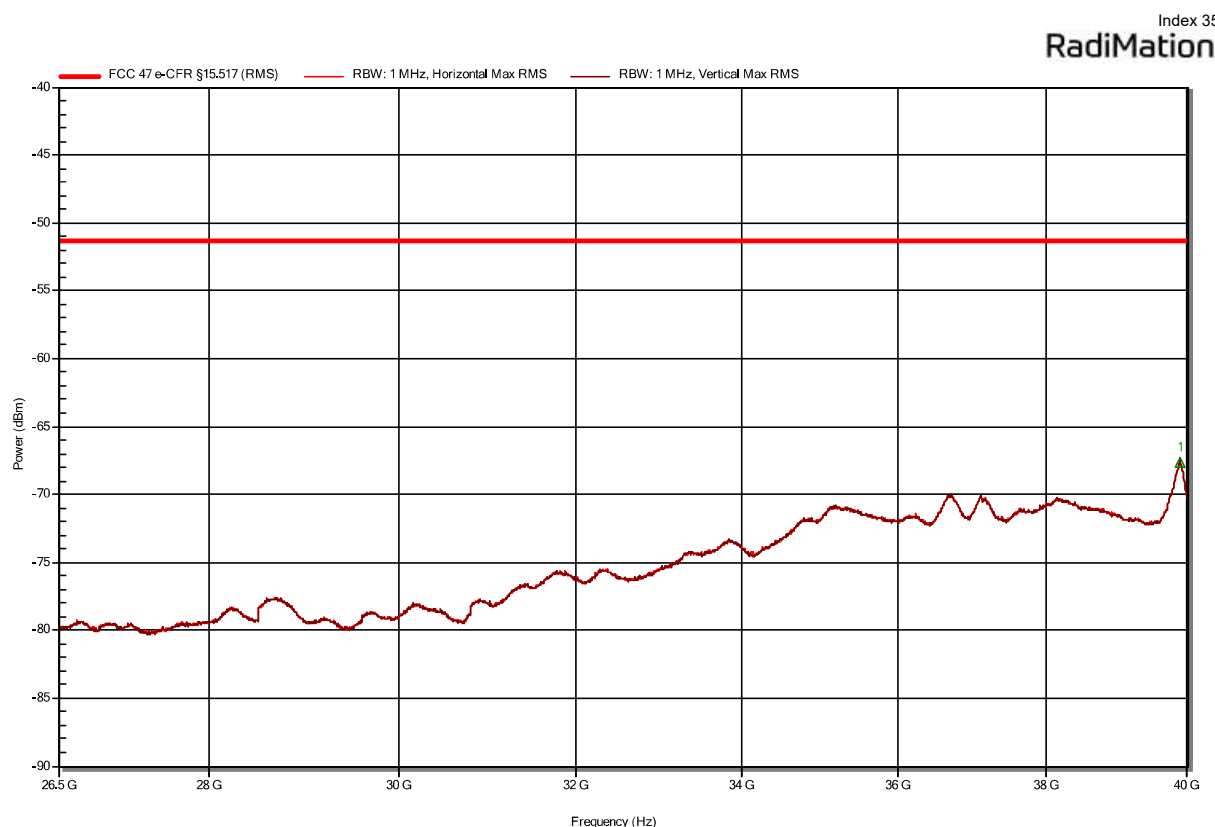
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-19



Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Flann 22240-25
 Measurement distance: 1 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB1
 Test Date: 2024-06-24

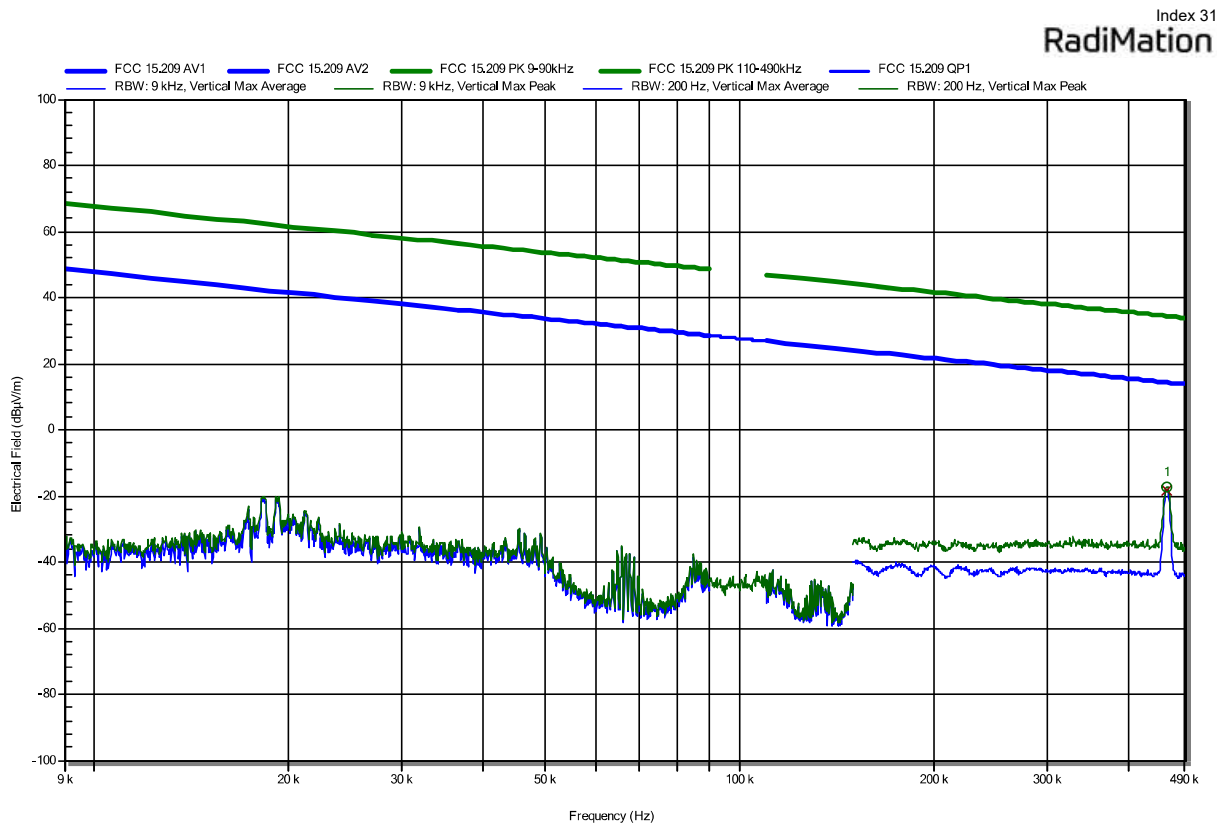


Peak Number	Frequency (MHz)	RMS (dBm)	RMS (dBm)	Limit	RMS Difference (dB)	RMS Status	Polarization
1	39900.55	-67.6	-51.3		-16.31	Pass	Vertical

ANNEX B Transmitter radiated emissions (Antenna 2 – UWB2)

Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2, Vertical
 Measurement distance: 3 m, converted to 300 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna parallel to EUT PCB



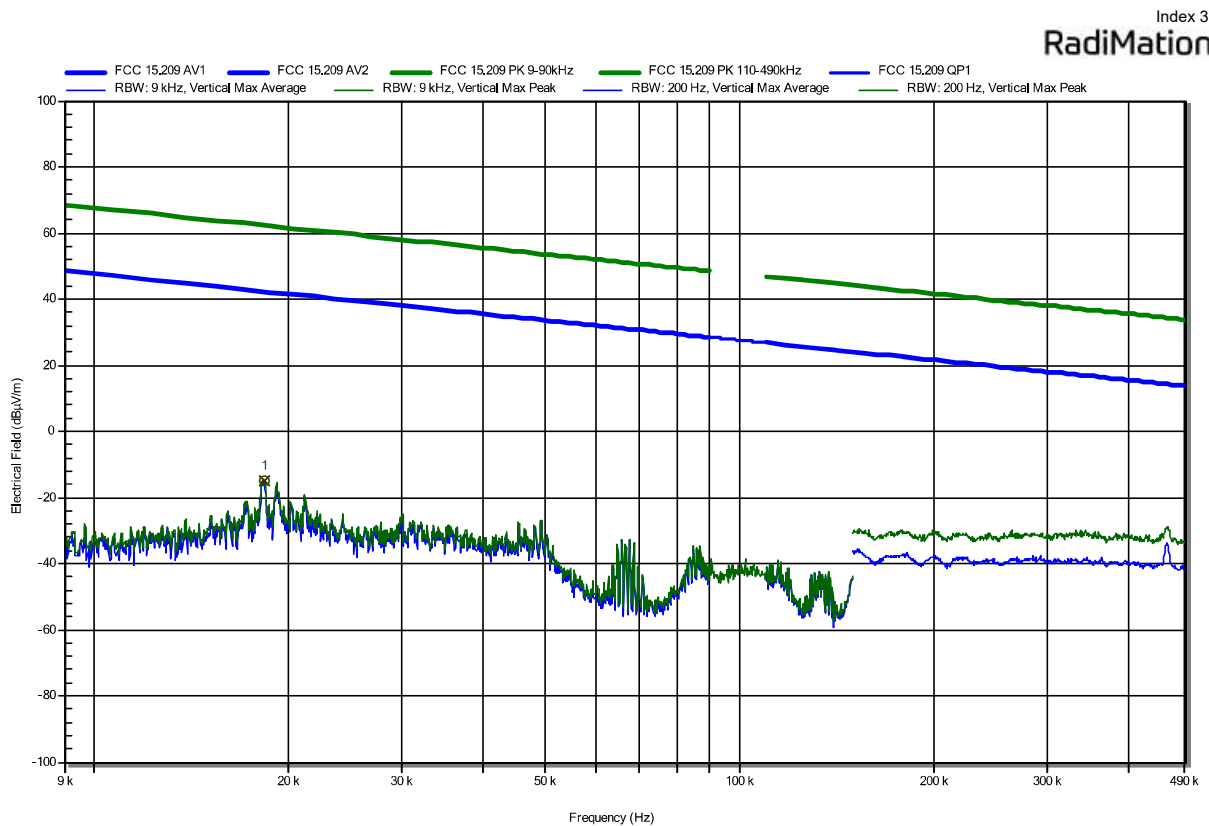
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit	Peak (dB)	Difference	Peak Status
1	0.459	-17.2	34.4		-51.54		Pass
Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit	Average (dB)	Difference	Average Status
1	0.459	-18.5	14.4		-32.89		Pass

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2, Vertical
 Measurement distance: 3 m, converted to 300 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna perpendicular to EUT PCB



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit (dB)	Difference	Peak Status
1	0.018	-14.8	62.3	-77.18		Pass
Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit (dB)	Difference	Average Status
1	0.018	-15.1	42.3	-57.38		Pass

Test Report No.: G0M-2403-2495-TFC15FUW-V01

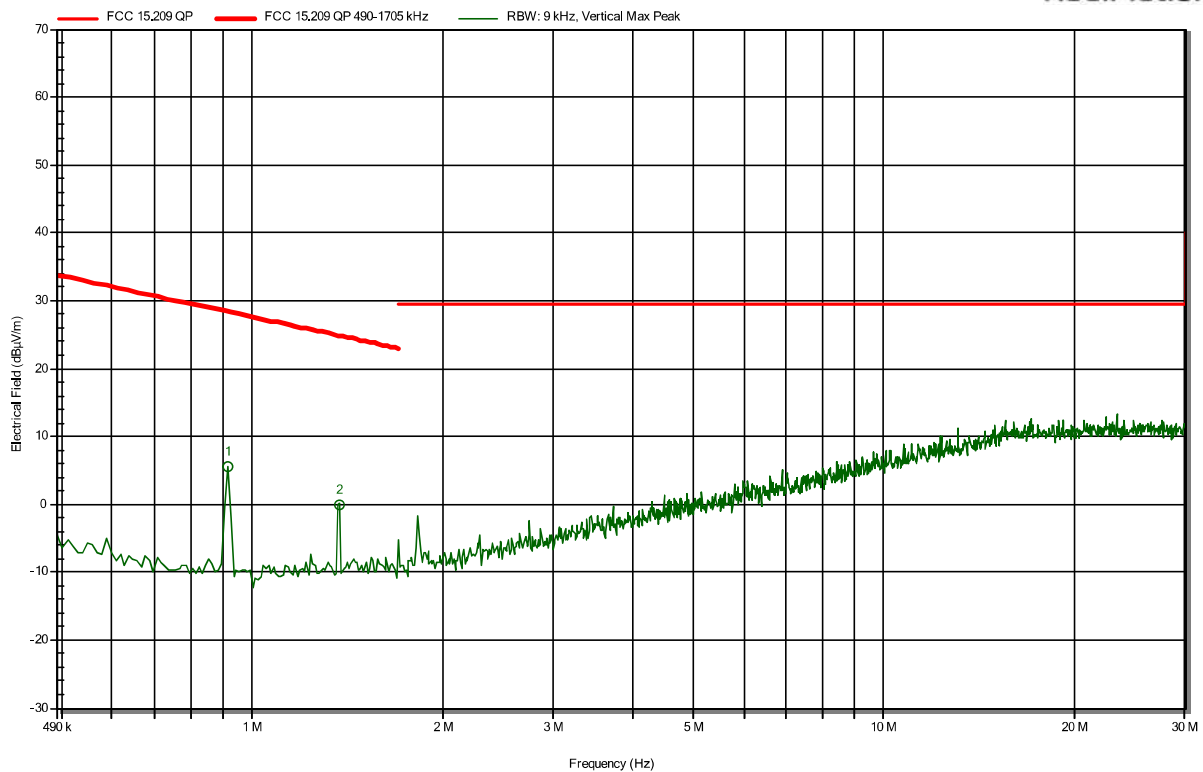
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna parallel to EUT PCB

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RadiMation



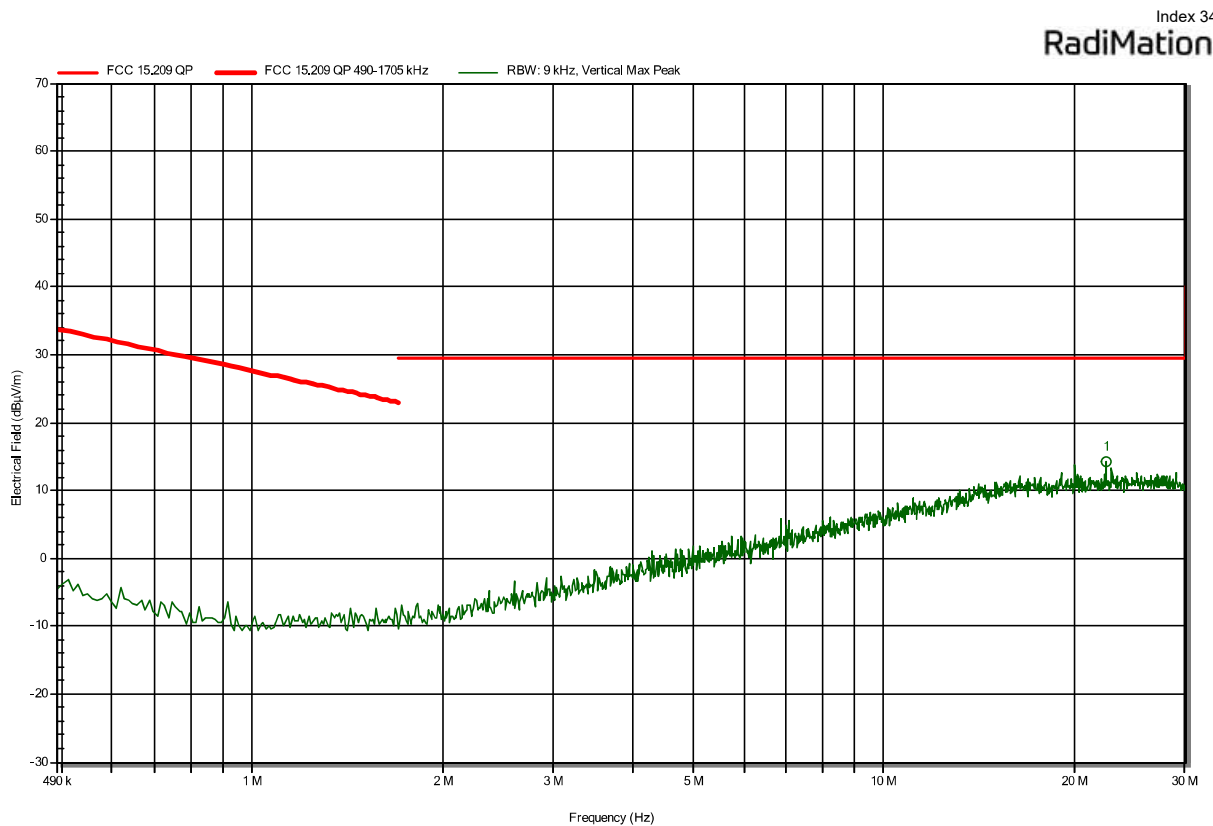
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit (dB)	Peak Difference	Peak Status	Polarization
1	0.913	5.5	28.4	-22.88	Pass	Pass	Vertical
2	1.375	0	24.9	-24.82	Pass	Pass	Vertical

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna perpendicular to EUT PCB



Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit (dB)	Peak Difference	Peak Status	Polarization
1	22.475	14.3	29.5	-15.21		Pass	Vertical

Test Report No.: G0M-2403-2495-TFC15FUW-V01

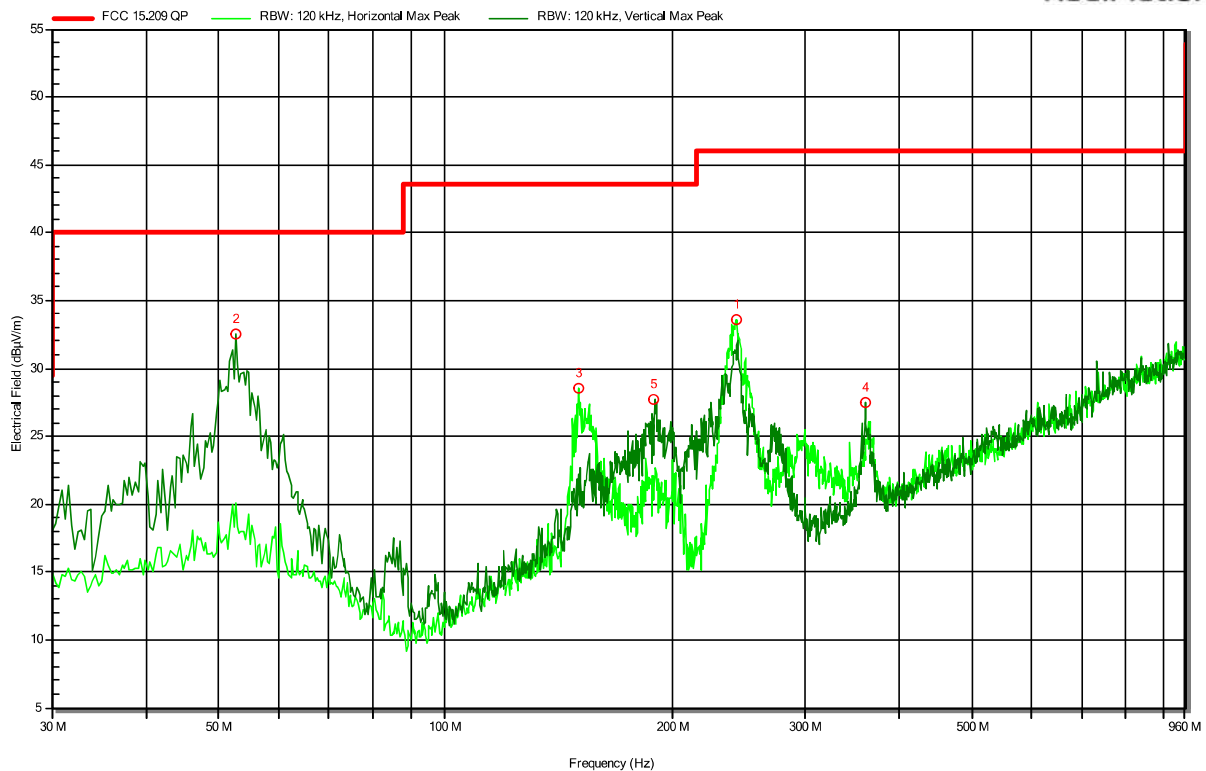
Eurofins Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-25

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RadiMation



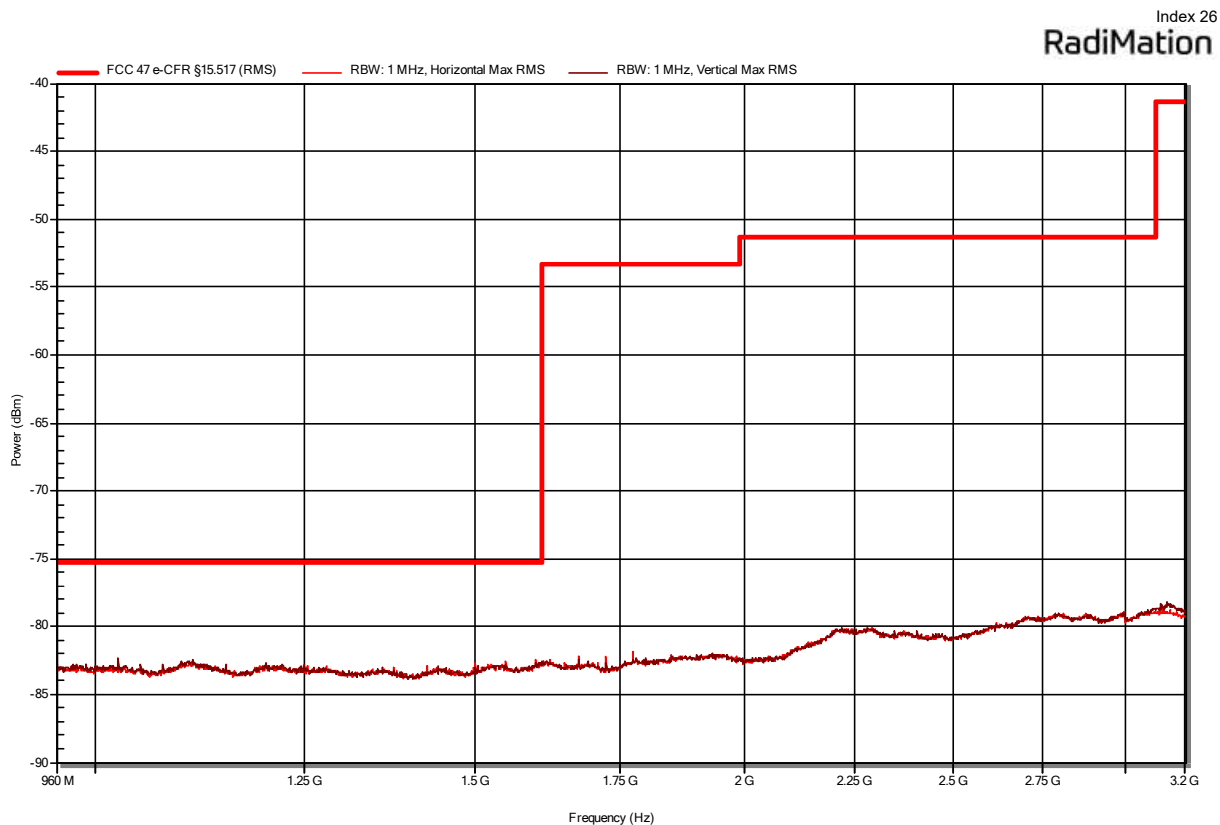
Peak Number	Frequency (MHz)	Peak (dBμV/m)	Peak (dBμV/m)	Limit (dB)	Peak Difference	Peak Status	Polarization
1	243.59	33.6	46	-12.43		Pass	Horizontal
2	52.63	32.5	40	-7.48		Pass	Vertical
3	149.97	28.5	43.5	-15.02		Pass	Horizontal
4	361.08	27.5	46	-18.49		Pass	Vertical
5	189.34	27.7	43.5	-15.75		Pass	Vertical

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

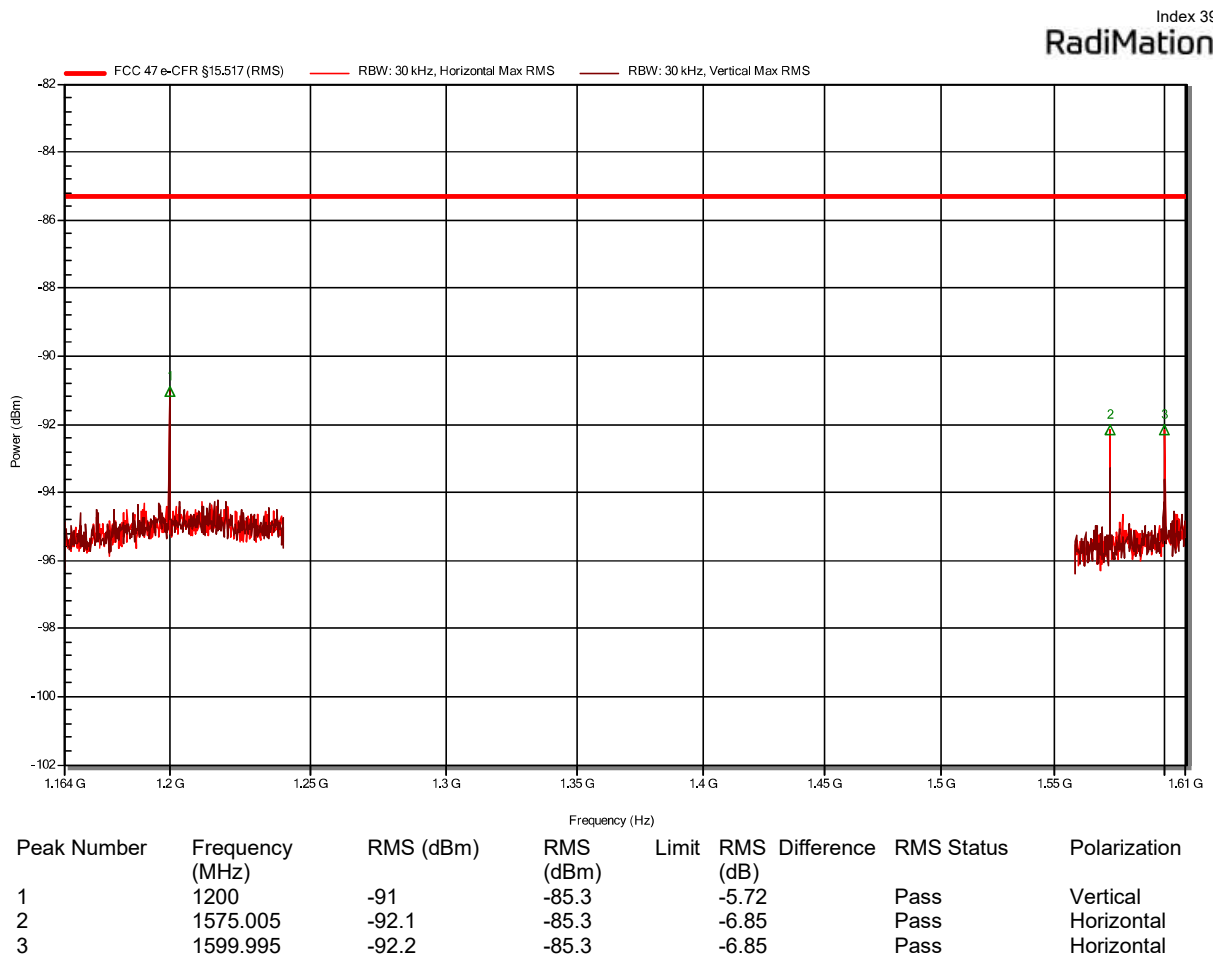
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 1.5 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-25



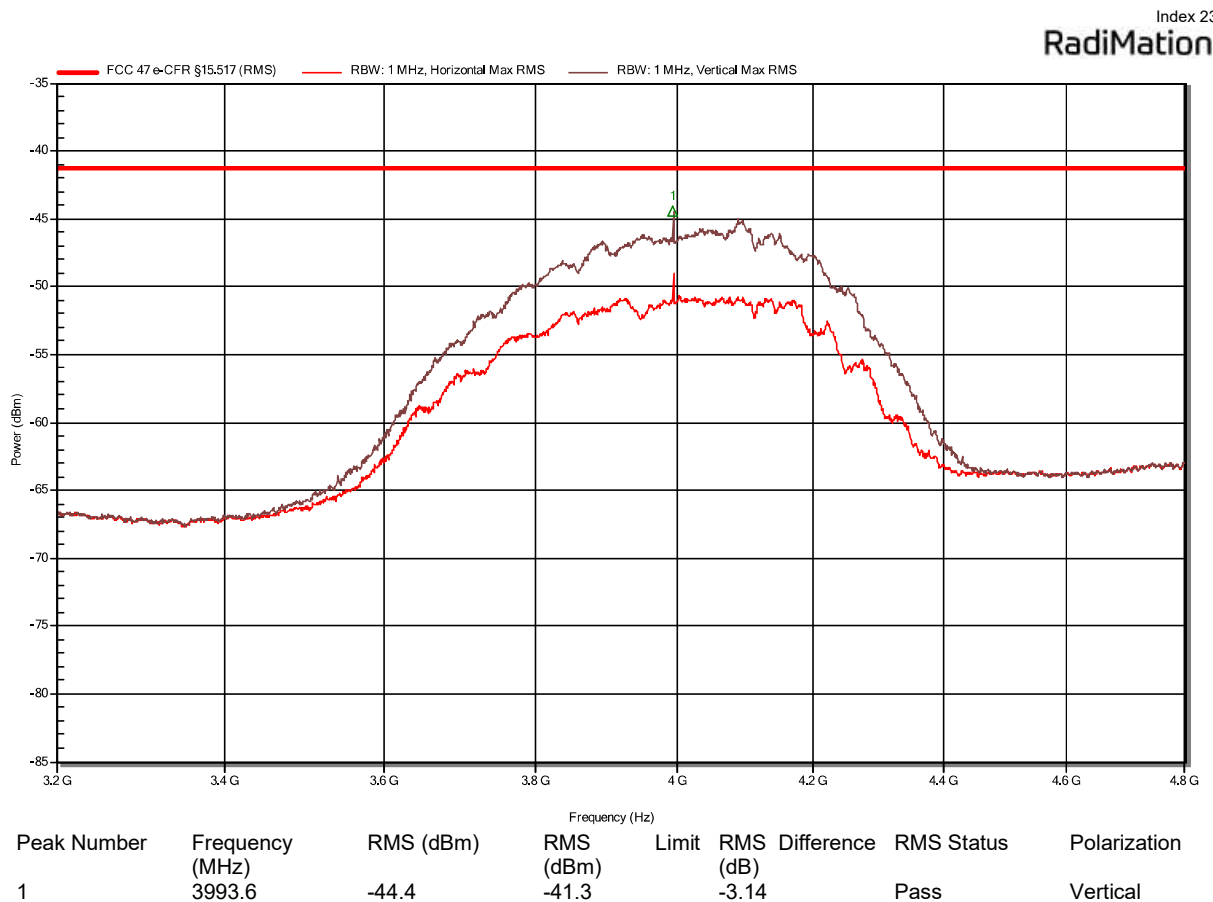
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 28 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 1.5 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-29



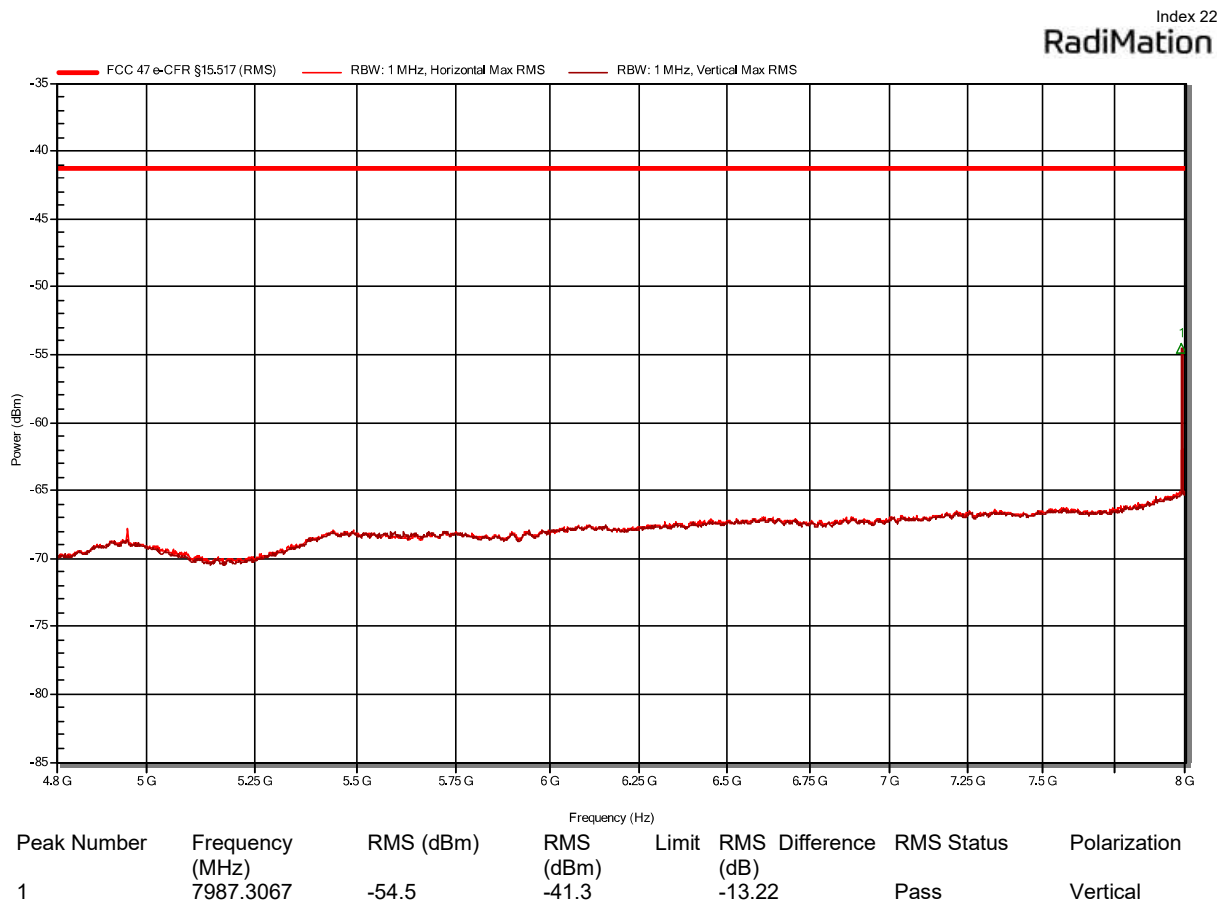
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-22



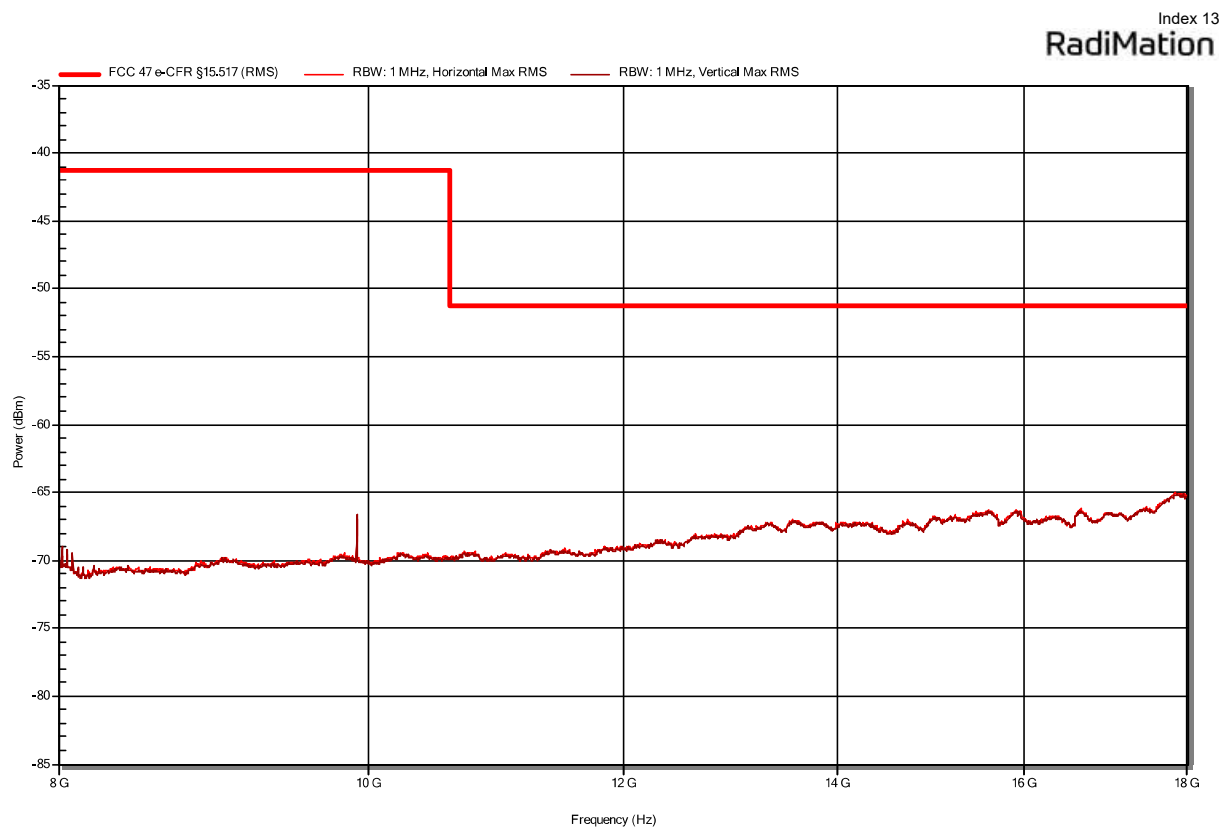
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-21



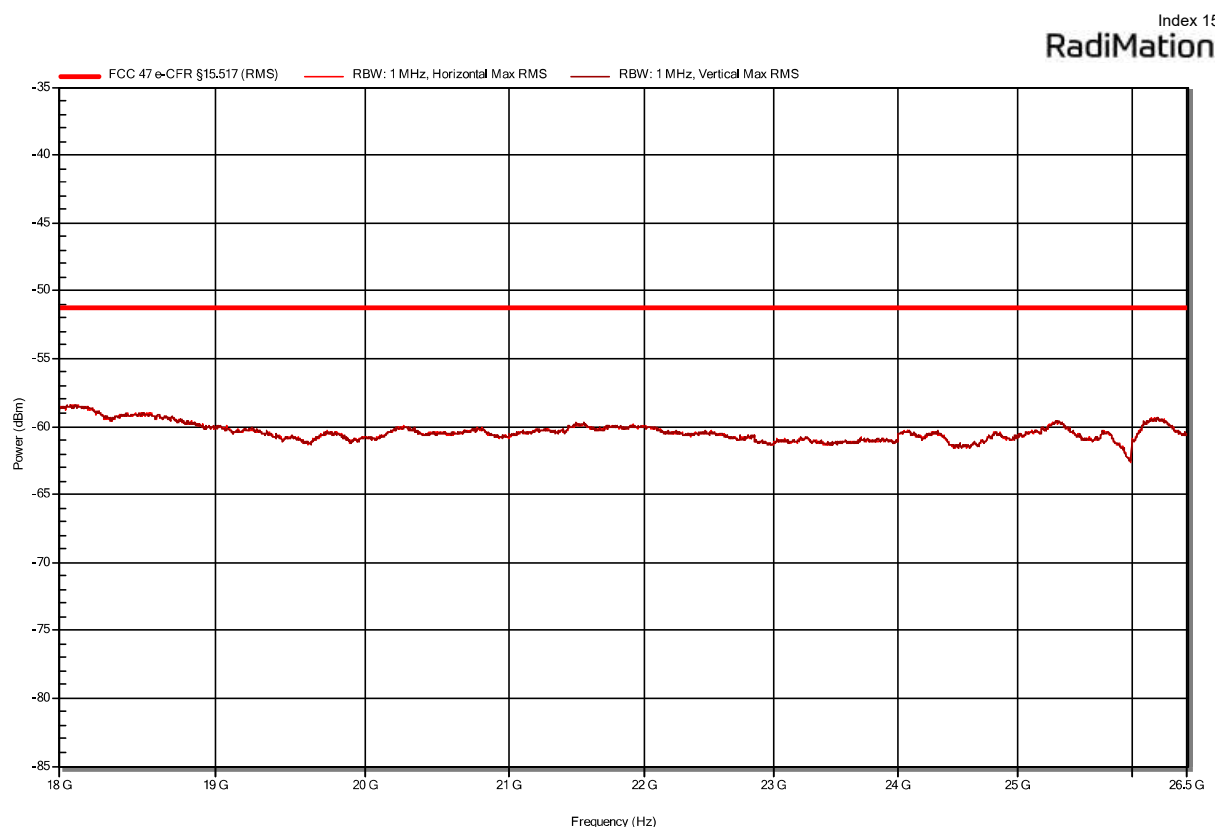
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-19



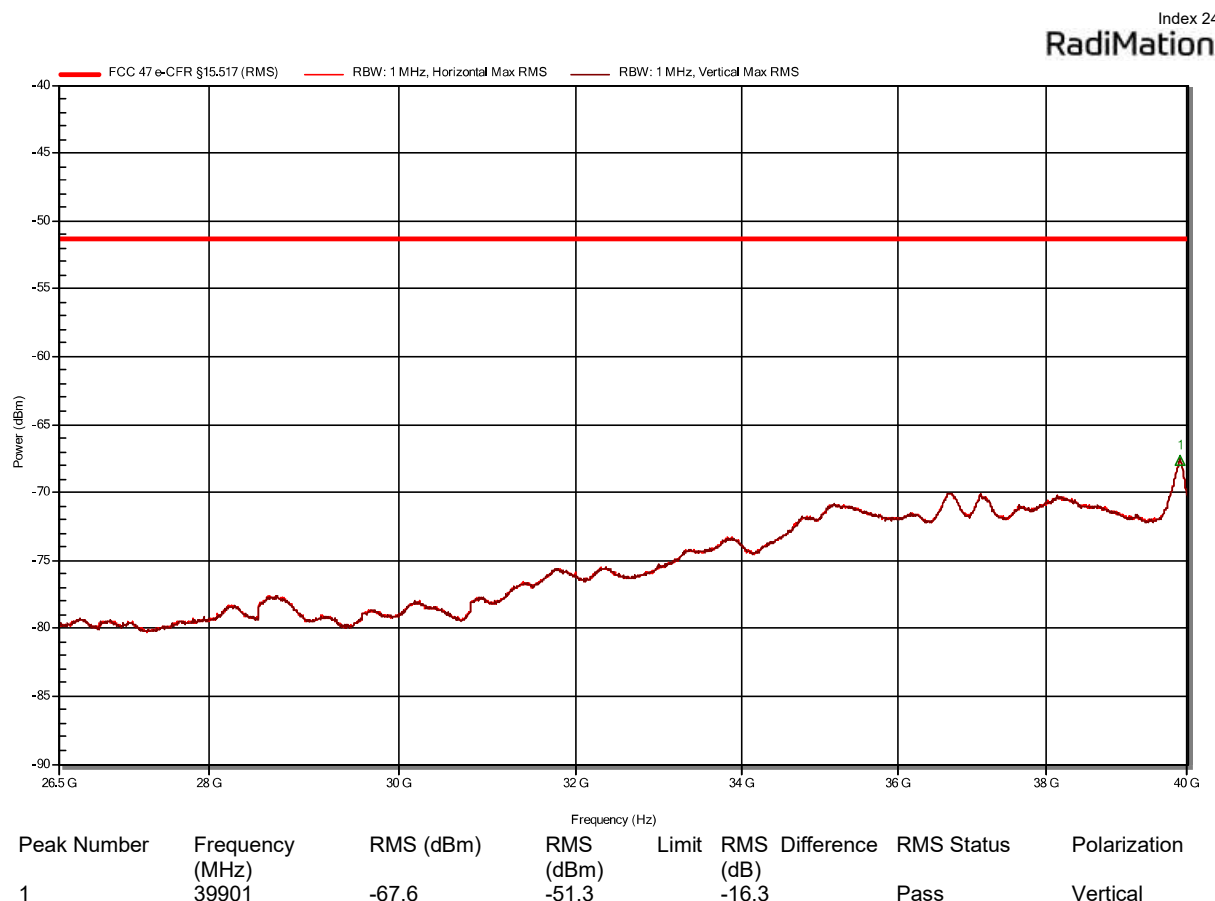
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-19



Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Flann 22240-25
 Measurement distance: 1 m
 Mode: Tx; 3993.6 MHz, BPSK, UWB2
 Test Date: 2024-06-24

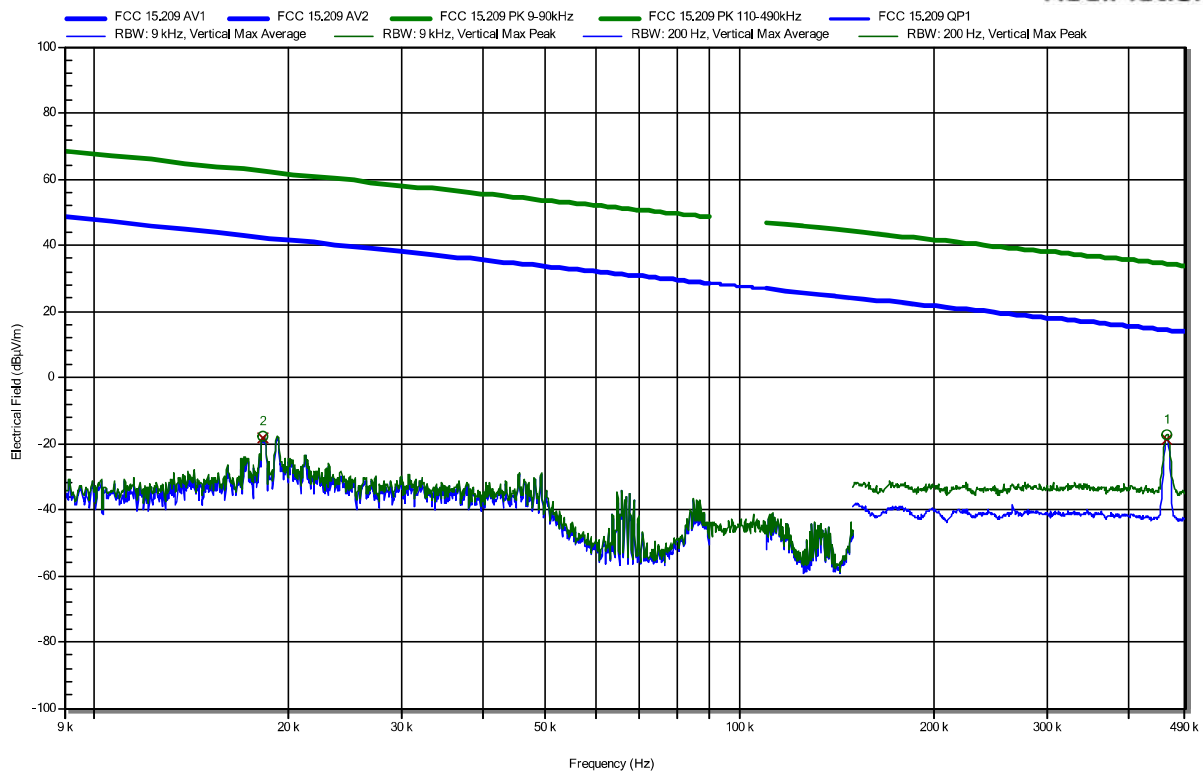


Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2, Vertical
 Measurement distance: 3 m, converted to 300 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna parallel to EUT PCB

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RadiMation



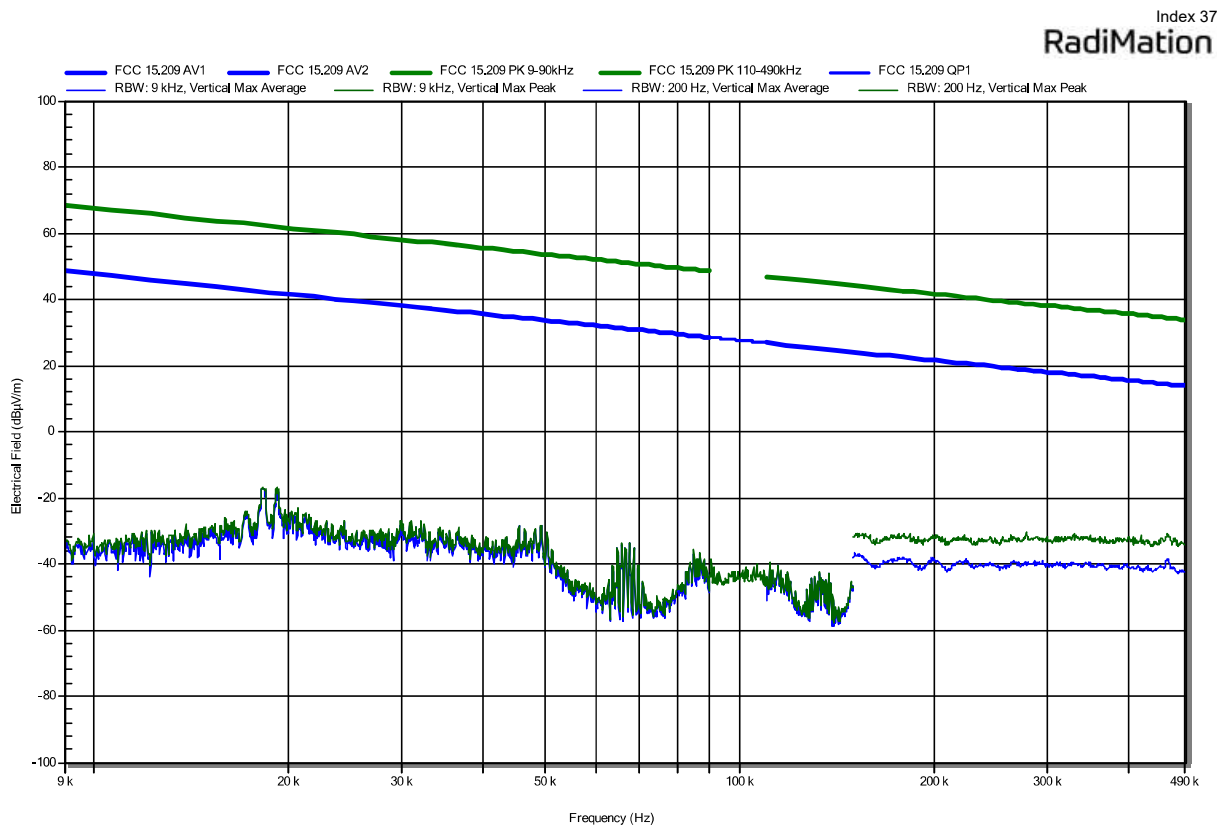
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit (dB)	Difference	Peak Status
1	0.459	-17.3	34.4	-51.63		Pass
2	0.018	-18	62.3	-80.39		Pass
Peak Number	Frequency (MHz)	Average (dBµV/m)	Average (dBµV/m)	Limit (dB)	Difference	Average Status
1	0.459	-18.6	14.4	-32.99		Pass
2	0.018	-18.4	42.3	-60.77		Pass

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

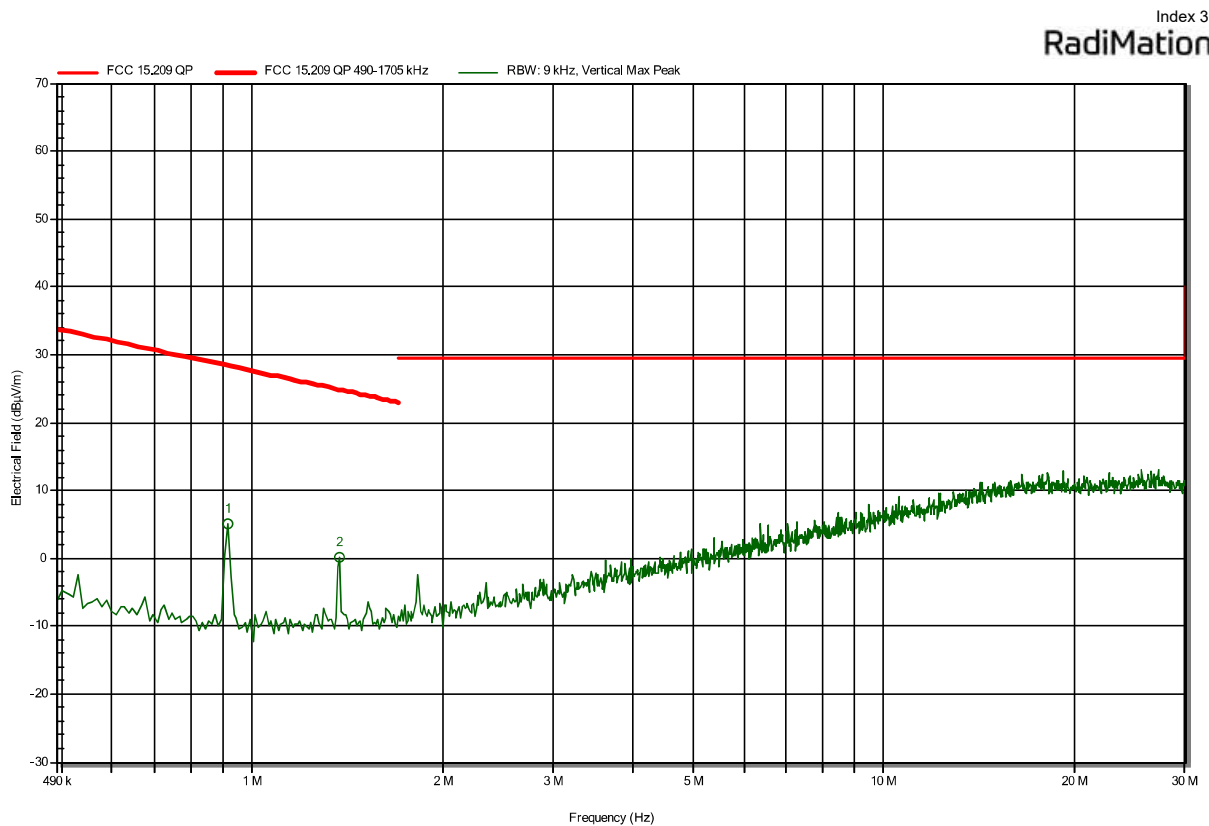
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2, Vertical
 Measurement distance: 3 m, converted to 300 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna perpendicular to EUT PCB



Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna parallel to EUT PCB



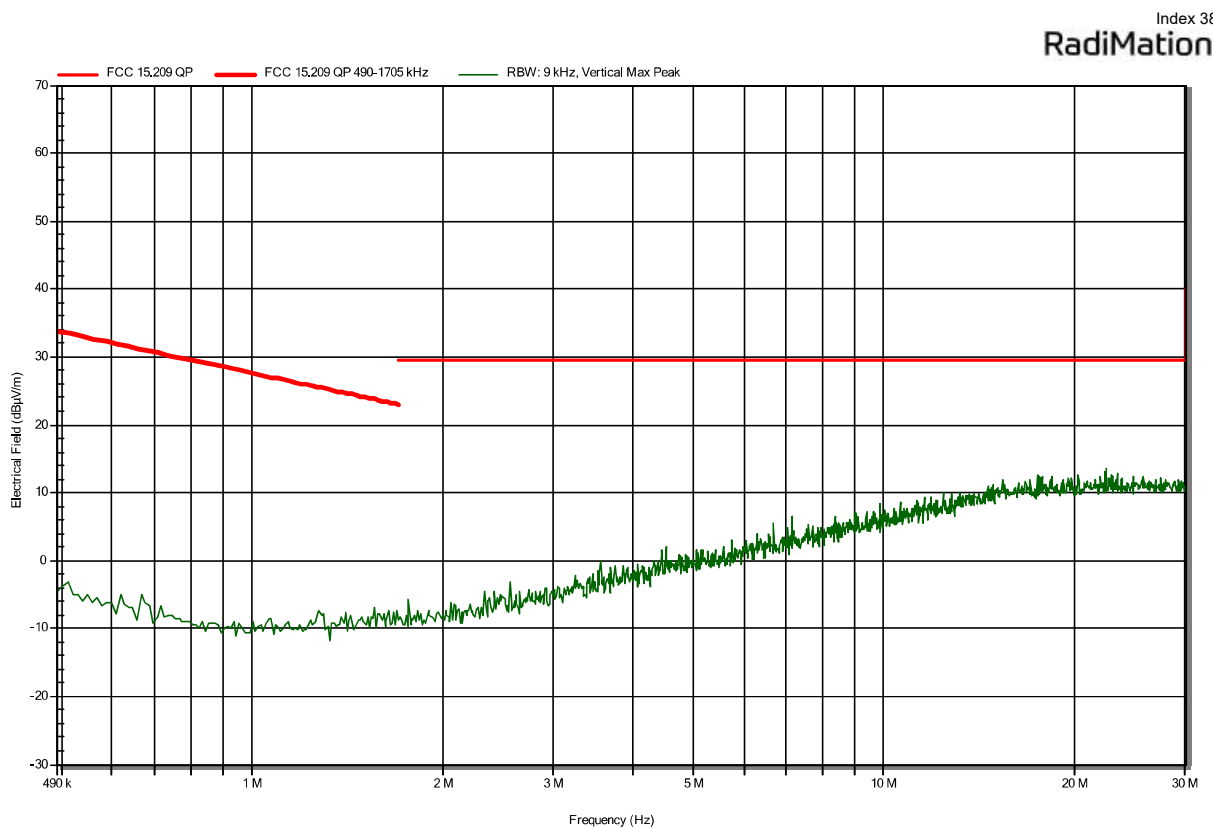
Peak Number	Frequency (MHz)	Peak (dBµV/m)	Peak (dBµV/m)	Limit (dB)	Peak Difference	Peak Status	Polarization
1	0.913	5	28.4	-23.38		Pass	Vertical
2	1.375	0.2	24.9	-24.66		Pass	Vertical

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

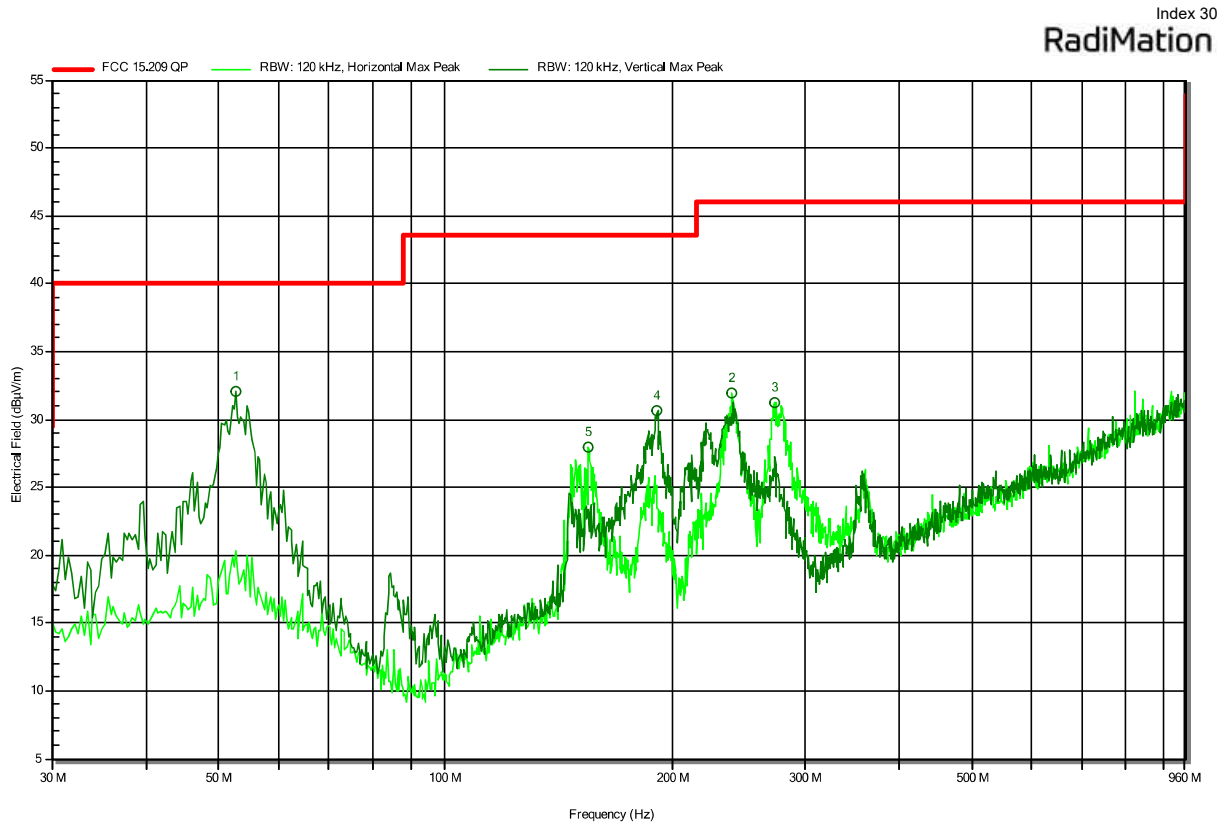
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Rohde & Schwarz HFH 2-Z2
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-26
 Note: Antenna perpendicular to EUT PCB



Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck VULB 9168
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-25



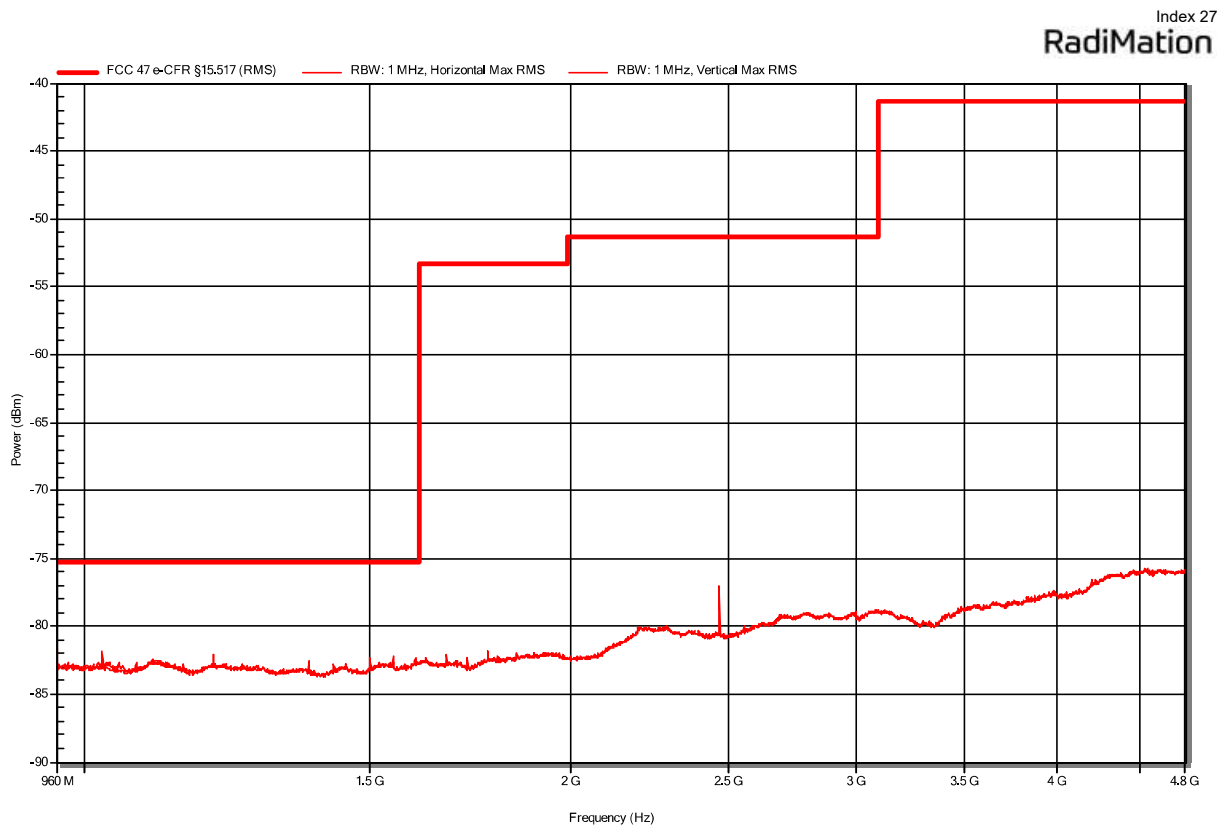
Peak Number	Frequency (MHz)	Peak (dBμV/m)	Peak (dBμV/m)	Limit (dB)	Peak Difference (dB)	Peak Status	Polarization
1	52.63	32.1	40	-7.92		Pass	Vertical
2	240.18	31.9	46	-14.12		Pass	Horizontal
3	274.28	31.2	46	-14.76		Pass	Horizontal
4	191.2	30.6	43.5	-12.86		Pass	Vertical
5	154.62	27.9	43.5	-15.59		Pass	Horizontal

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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

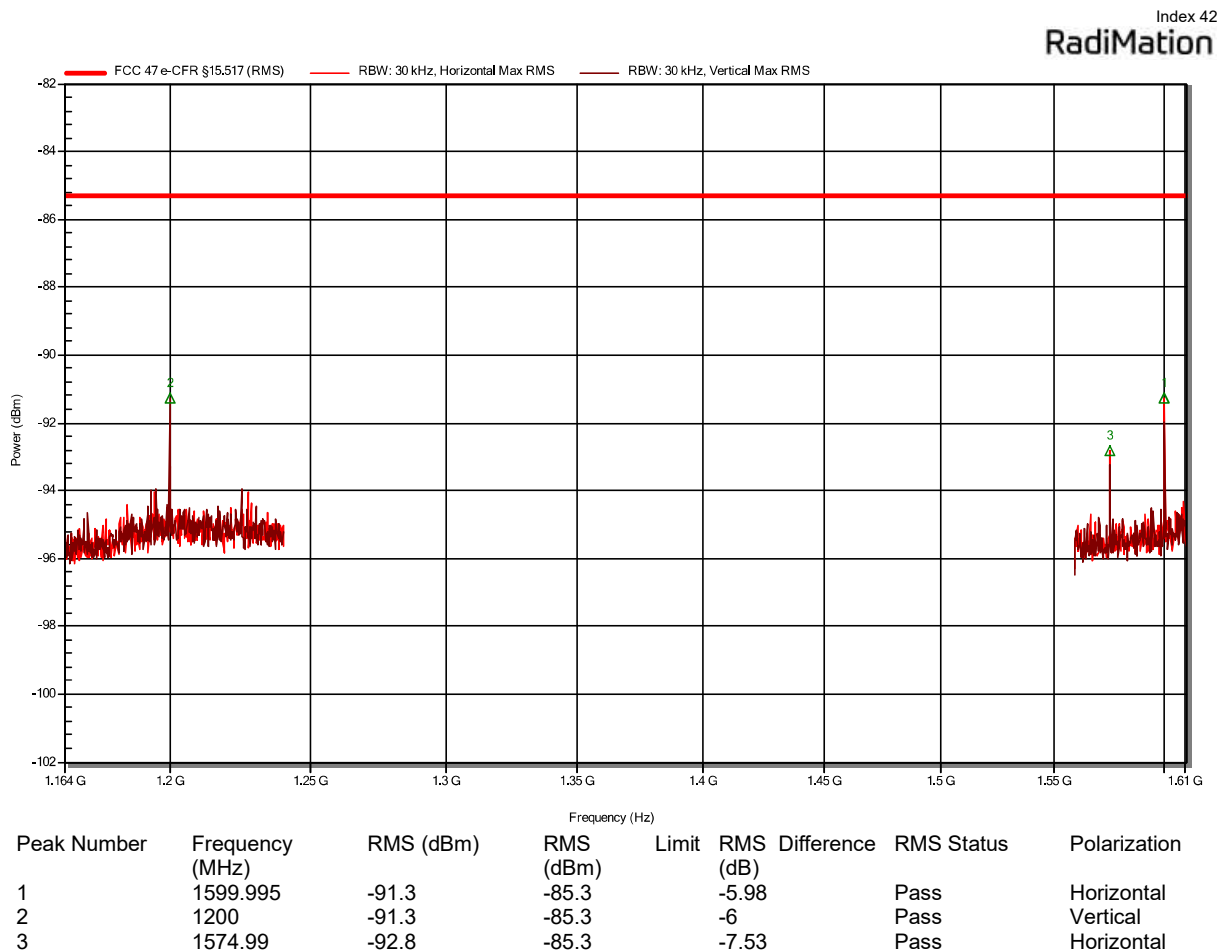
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 1.5 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-25



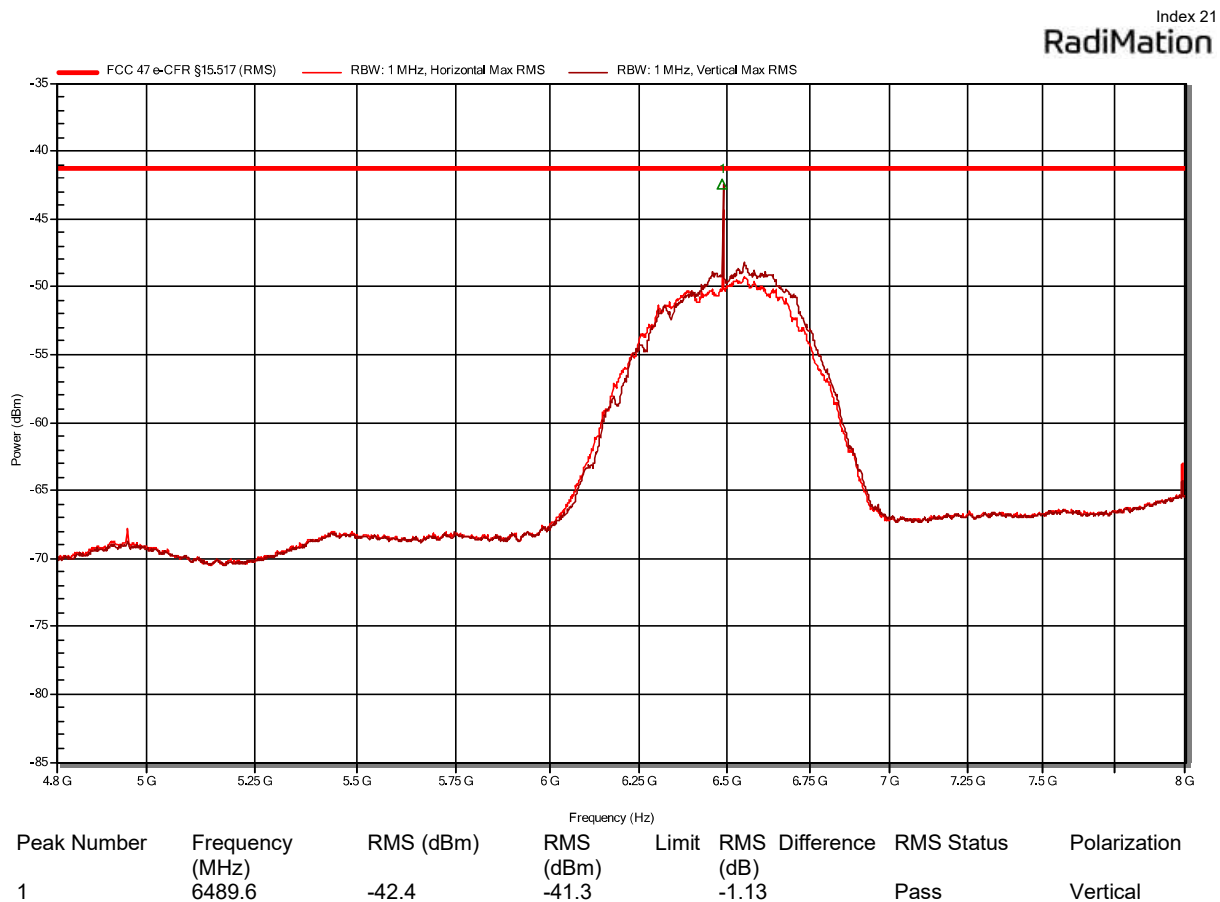
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 28 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120D
 Measurement distance: 1.5 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-29



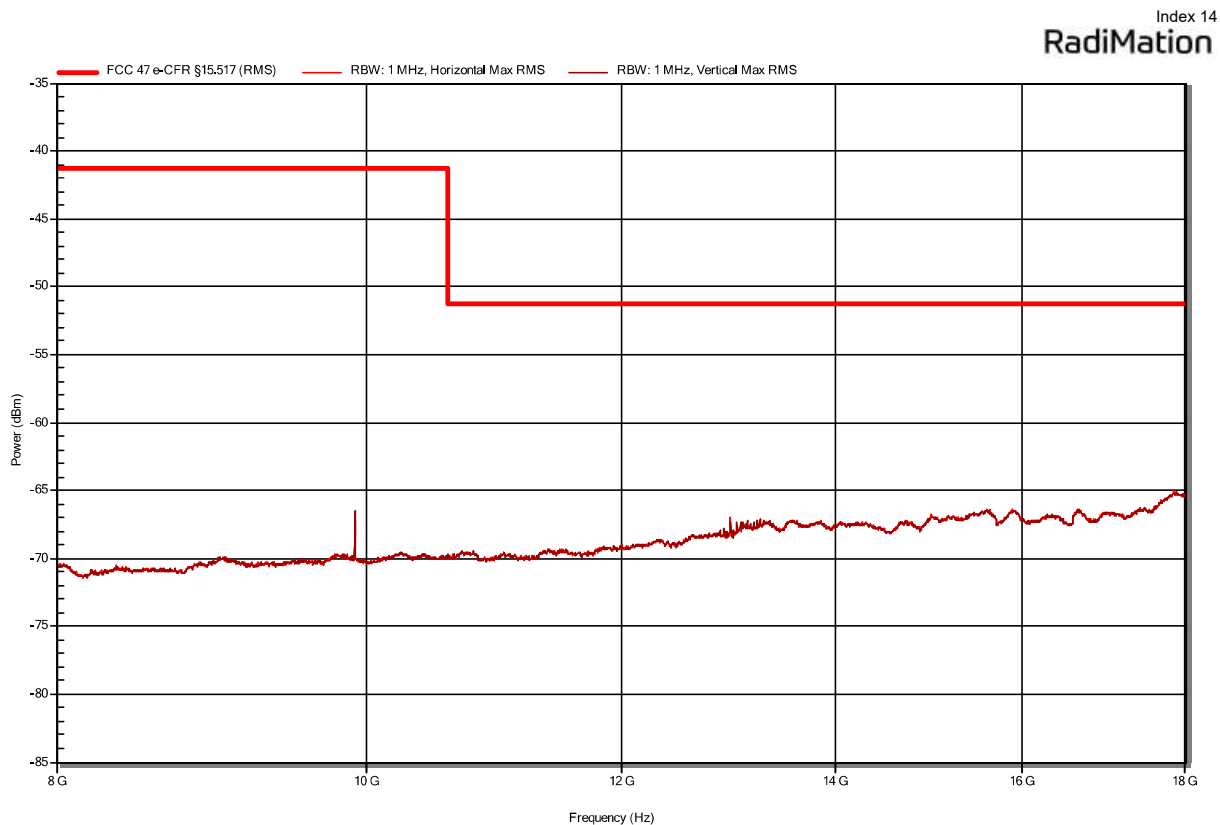
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck BBHA 9120B
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-21



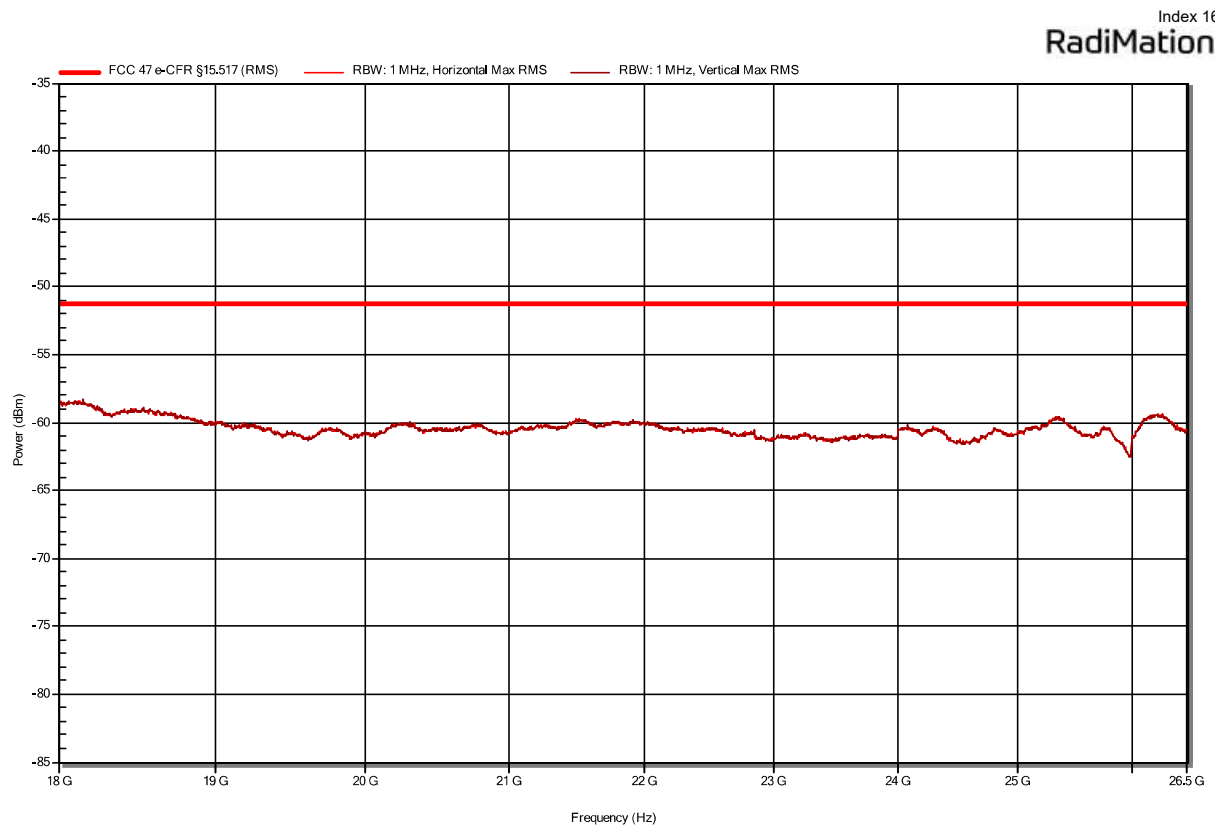
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Schwarzbeck HWRD 650
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-19



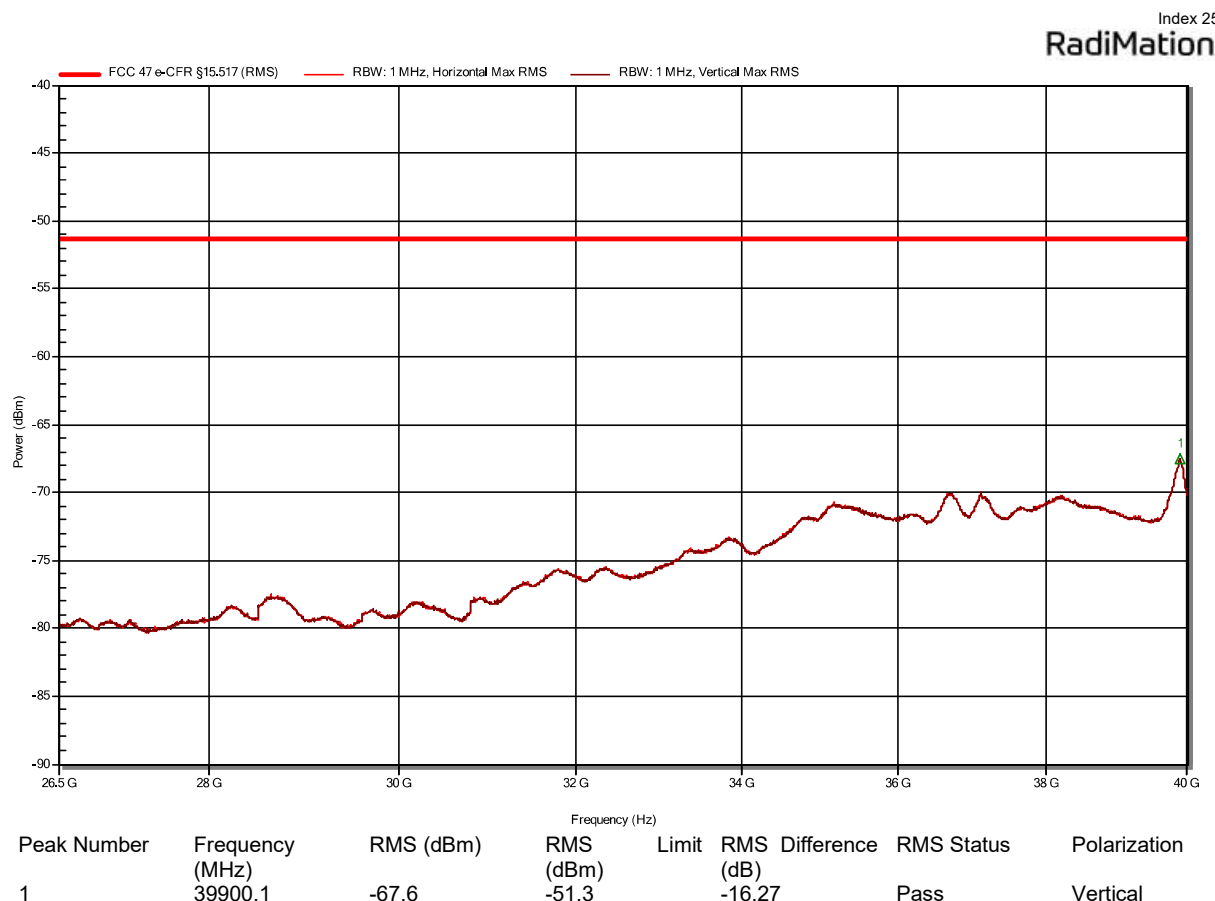
Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2020.1.8
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Amplifier Research AT4560
 Measurement distance: 3 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-19



Radiated Spurious Emissions according to 47 CFR Part 15.517

Project Number: G0M-2403-2495
 Applicant: Jungheinrich AG
 Model Description: UWB-Location-System is able to measure distances between the UWB components
 Model: 52445054, Anchor
 Test Sample ID: 48554
 Test Site: Eurofins Product Service GmbH
 Operator: Mr. Siddique
 Measurement software: RadiMation, version 2023.2.6
 Test Conditions: Tnom: 24 °Celsius, Vnom: 24 V DC
 Antenna: Flann 22240-25
 Measurement distance: 1 m
 Mode: Tx; 6489.6 MHz, BPSK, UWB2
 Test Date: 2024-06-24



=== END OF TEST REPORT ===

Test Report No.: G0M-2403-2495-TFC15FUW-V01

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