

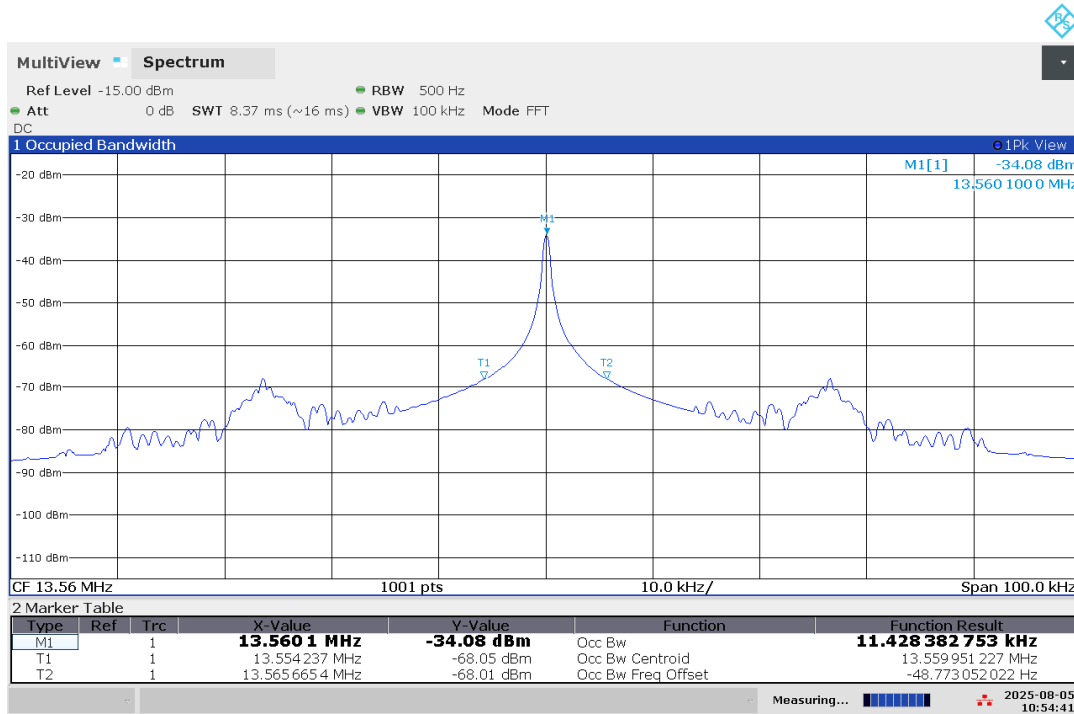
Annex 1:

Measurement diagrams 1-0246-25-01-02_TR1-A201-R01

Number of pages:	8	Date of Report:	2025-Aug-29
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	Applicant:	Belden Inc.
Product: Model:	AIM Component RFID Panel Upgrade Kit		
FCC ID:	2BQBPXXUK-Y	IC:	N/A
		PMN:	N/A
		HVIN:	N/A
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A, Part 15 Subpart C Intentional Radiators, Radiated Emission Limits, Additional Provisions § 15.225 Operation within the band 13.110-14.010 MHz Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		

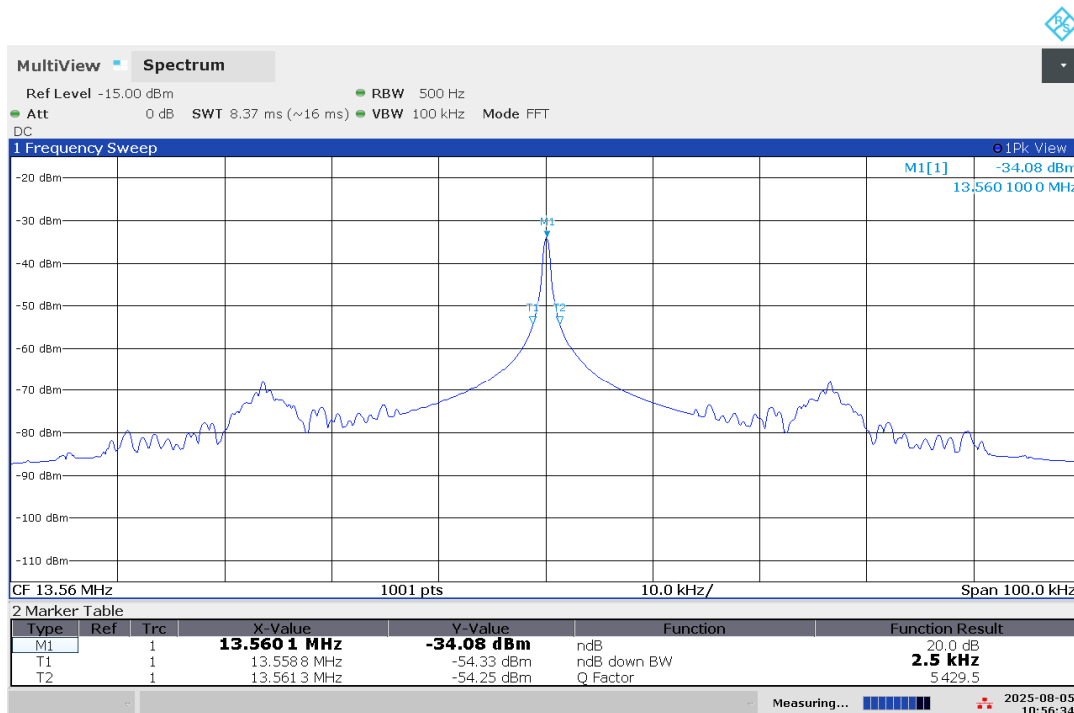
Measurement diagrams

TID001_99%_OBW



10:54:41 08/05/2025

TID002_20dB



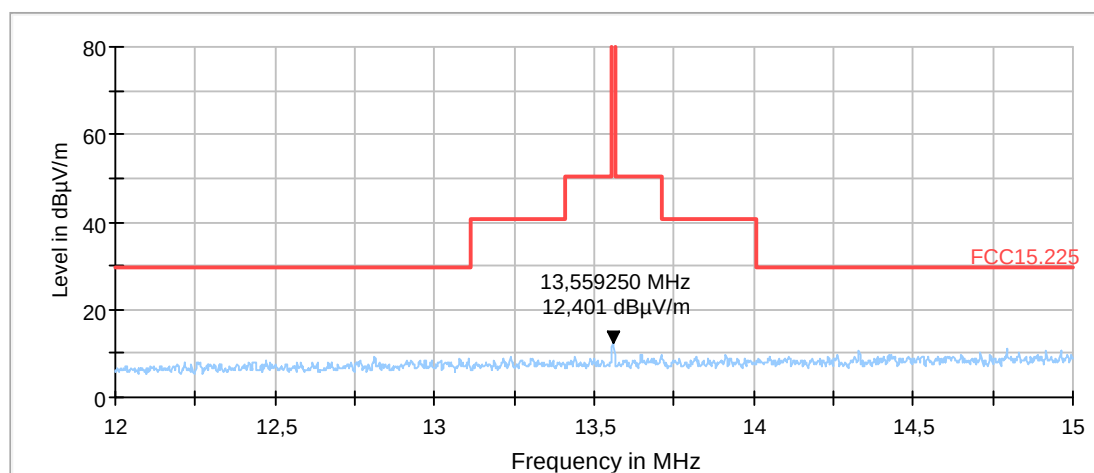
10:56:34 08/05/2025

2.01_H-Field-Mask_TXRX_standing

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.225 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
EUT:	15.398
Operating Mode:	TXRX / 48 Transponder
Power during tests:	15 V DC
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

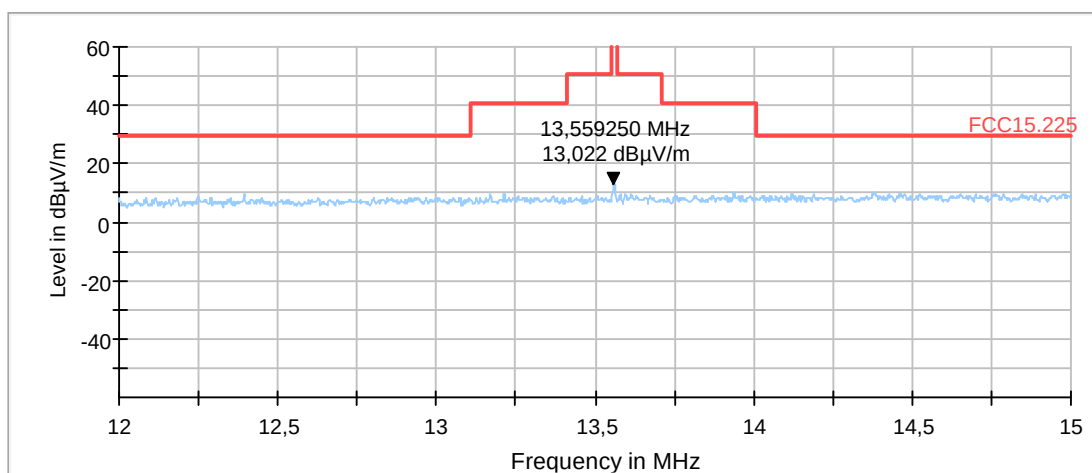


2.02_H-Field-Mask_TXRX_lying

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.225 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
EUT:	15.398
Operating Mode:	TXRX / 48 Transponder
Power during tests:	15 V DC
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

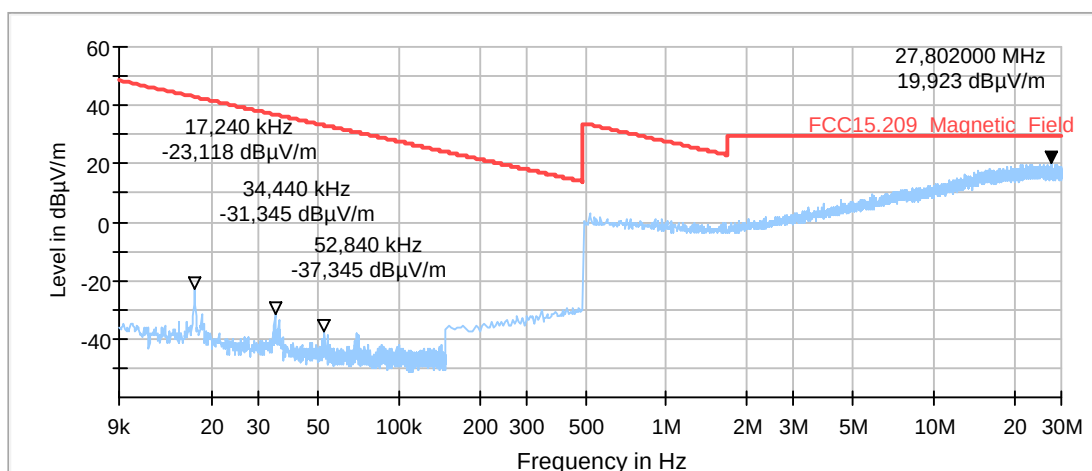


2.103_RSE_TXRX_standing

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.225 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
EUT:	15.398
Operating Mode:	TXRX / 48 Transponder
Power during tests:	15 V DC
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

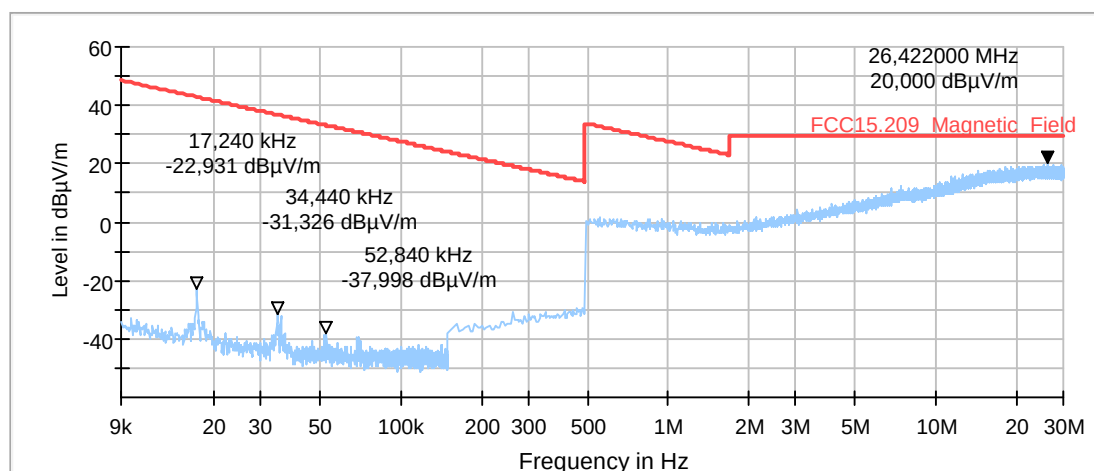


2.104_RSE_TXRX_lying

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test Standard:	FCC 15.225 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
EUT:	15.398
Operating Mode:	TXRX / 48 Transponder
Power during tests:	15 V DC
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

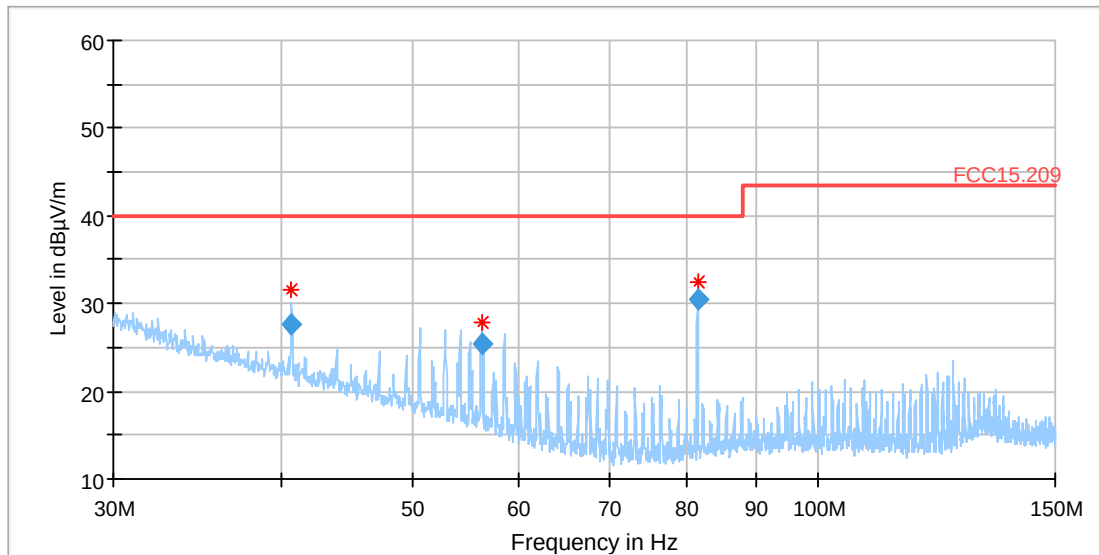
Full Spectrum



3.03_RSE_TXRX_standing_30M-150M

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetecom advanced GmbH (Essen)
Test Standard:	FCC 15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40%rH, Temperature: 21°C
Operator Name:	TFra
EUT:	15.398
Operating Mode:	TXRX / 48 Transponder
Power during tests:	15 V DC
Verdict:	Passed



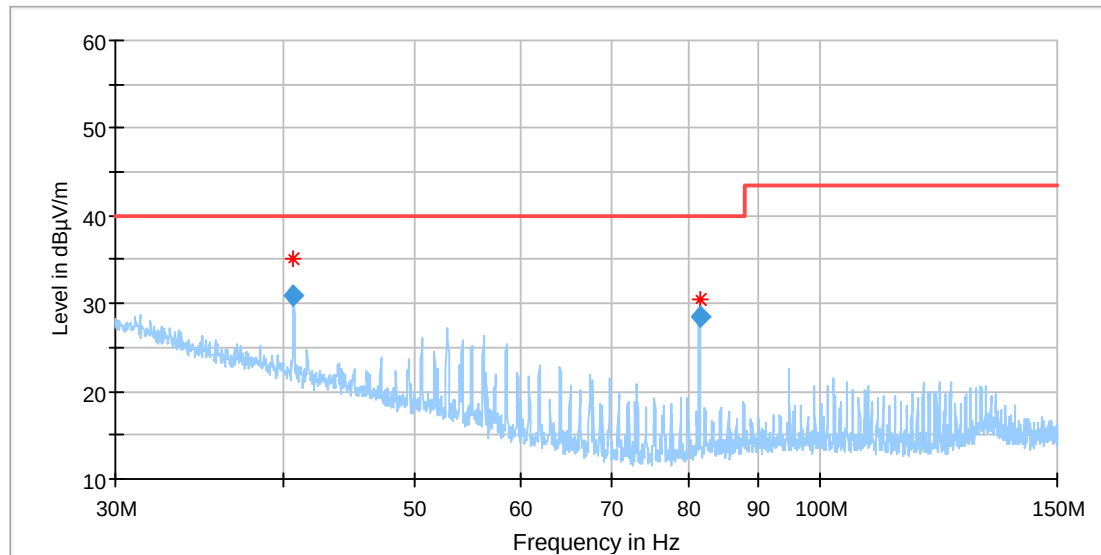
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Trd Corr. (dB/m)	Raw Rec (dBµV)
40.682000	27.58	40.00	12.42	120.000	109.0	V	270.0	15.6	15.0	12.0
56.262000	25.46	40.00	14.54	120.000	113.0	V	347.0	9.9	9.2	15.5
81.362000	30.58	40.00	9.42	120.000	136.0	V	90.0	7.0	6.1	23.6

3.04_RSE_TXRX_lying_30M-150M

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetecom advanced GmbH (Essen)
Test Standard:	FCC 15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 40%rH, Temperature: 21°C
Operator Name:	TFra
EUT:	15.398
Operating Mode:	TXRX / 48 Transponder
Power during tests:	15 V DC
Verdict:	Passed



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Trd Corr. (dB/m)	Raw Rec (dBµV)
40.678000	30.97	40.00	9.03	120.000	117.0	V	24.0	15.6	15.0	15.4
81.362000	28.42	40.00	11.58	120.000	111.0	V	334.0	7.0	6.1	21.4

End Of Annex 1