

Annex 202 – Test Results

No. 1-9816-25-01-05_TR1-A202-R01

May 26, 2026

Description

Test Result Diagrams

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authorized by

Timo Franke

Lab Manager

Compliance Testing & Innovation

1 Measurement diagrams

2.01_RSE_ch0_standing

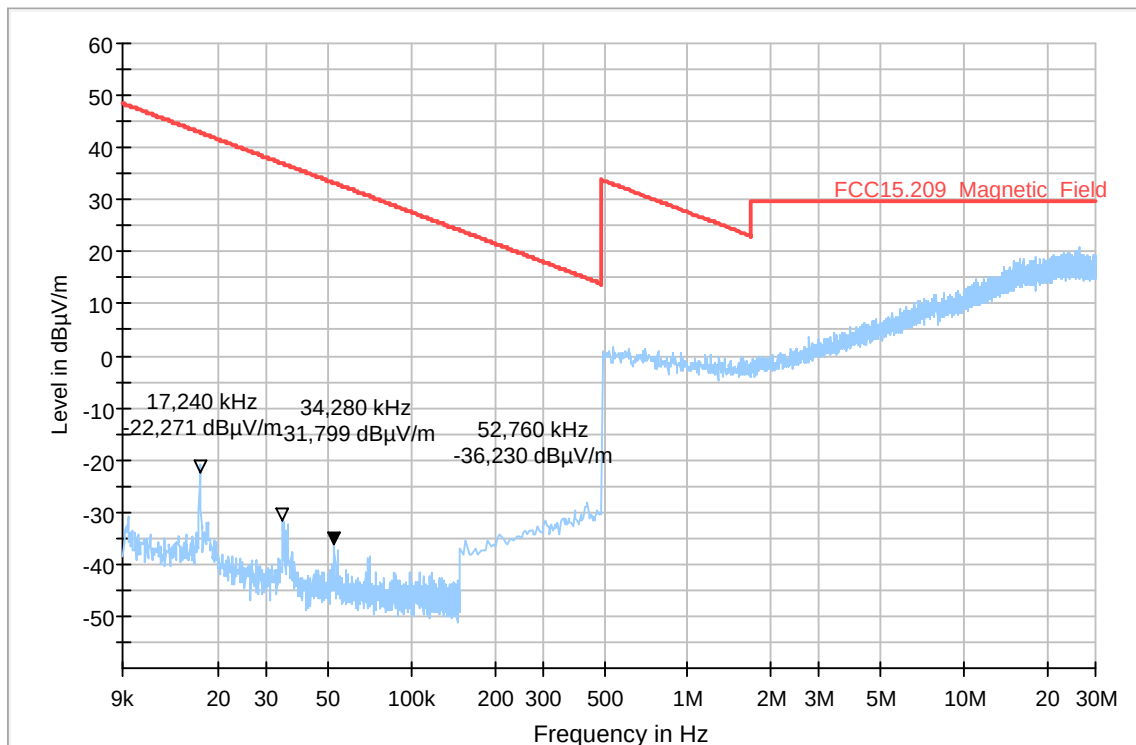
Common Information

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 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	PShin
Operating Mode:	TX 902.4 MHz, PWR 20
Comment 1:	Channel Low
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC

Full Spectrum



2.02_RSE_ch0_lying

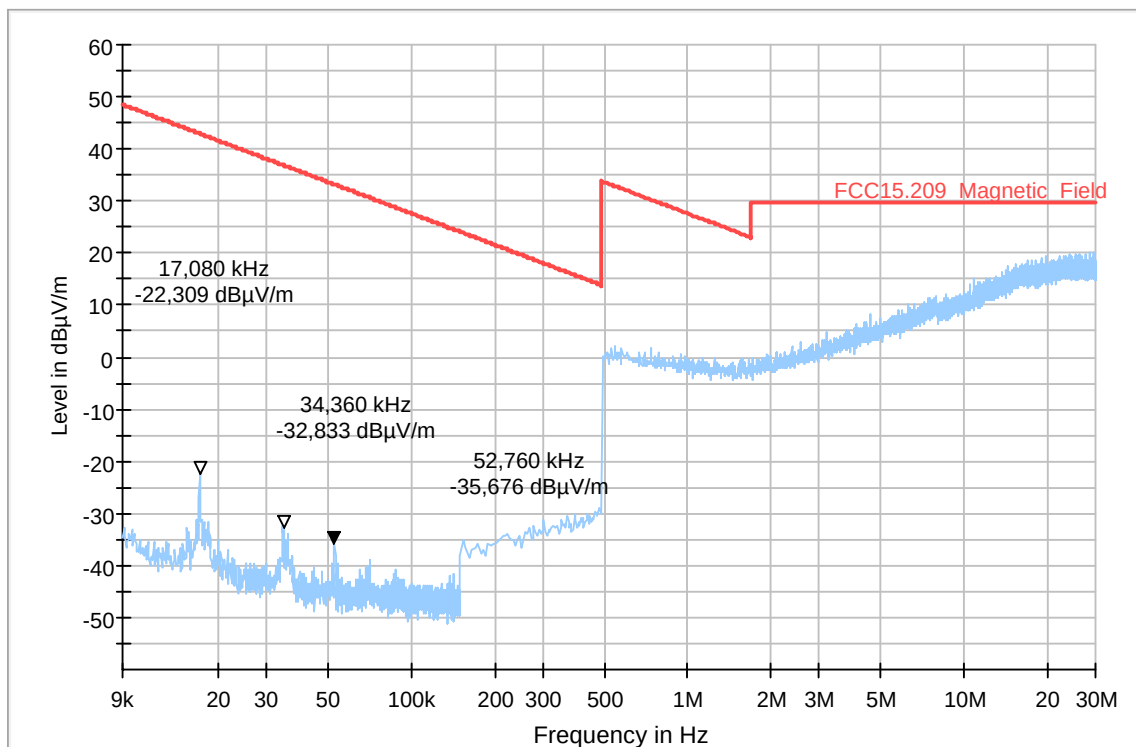
Common Information

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 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	MNu
Operating Mode:	TX 902.4 MHz, PWR 20
Comment 1:	Channel Low
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC

Full Spectrum



2.03_RSE_ch31_standing

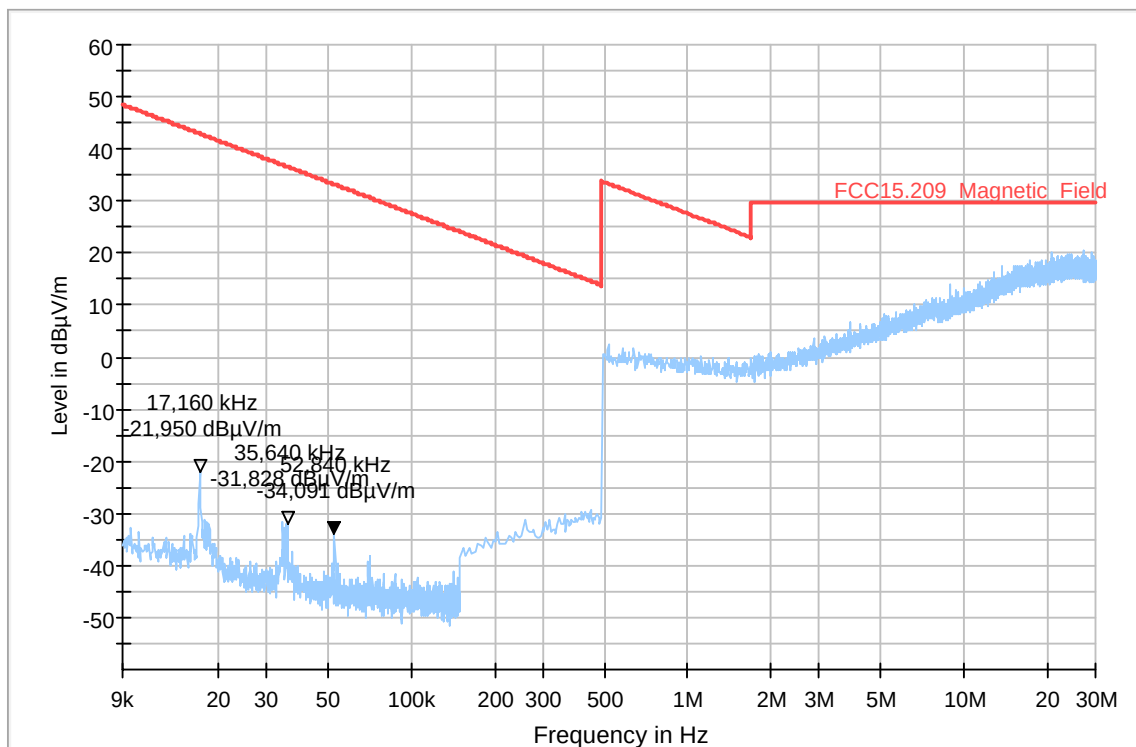
Common Information

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 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	MNu
Operating Mode:	TX 914.8 MHz, PWR 20
Comment 1:	Channel mid
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC

Full Spectrum



2.04_RSE_ch31_lying

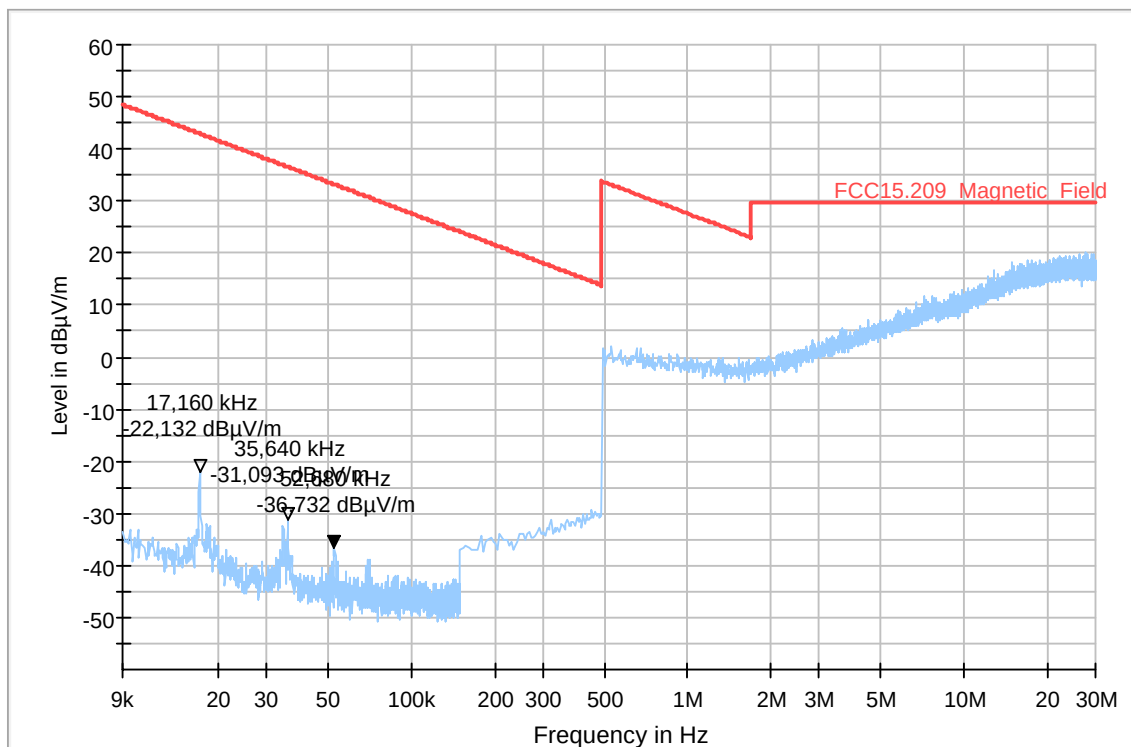
Common Information

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 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	MNu
Operating Mode:	TX 914.8 MHz, PWR 20
Comment 1:	Channel mid
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC

Full Spectrum



2.05_RSE_ch63_standing

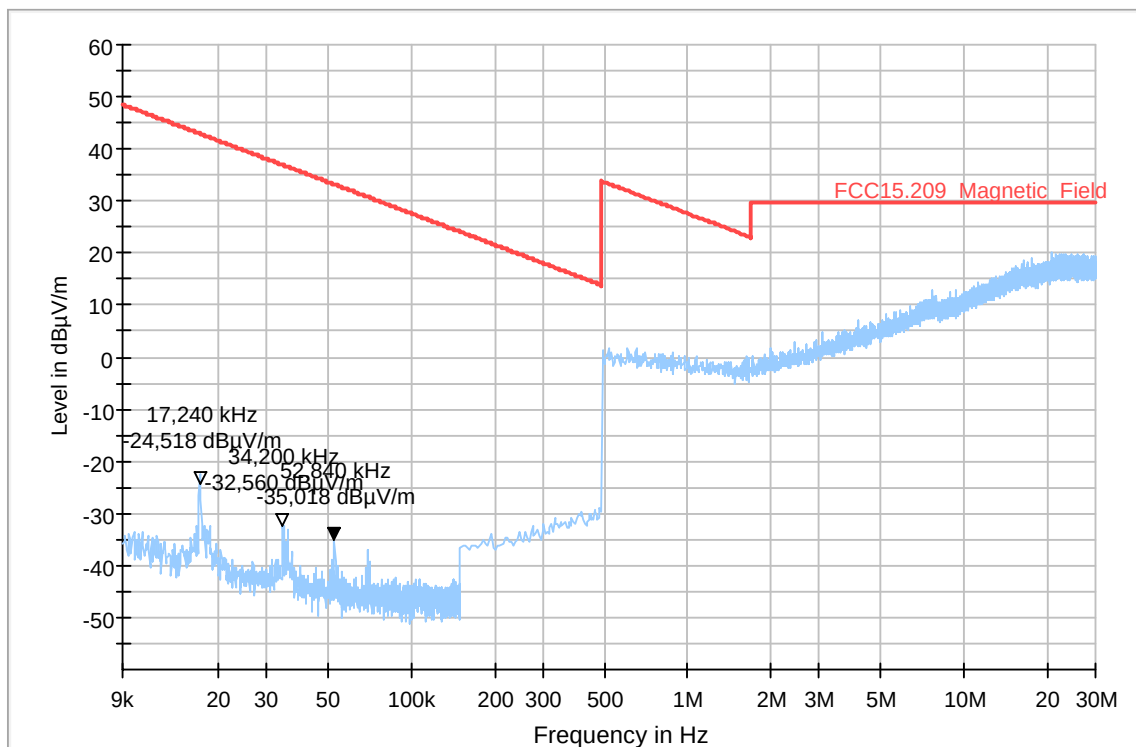
Common Information

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 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	MNu
Operating Mode:	TX 927.6 MHz, PWR 20
Comment 1:	Channel High
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC

Full Spectrum



2.06_RSE_ch63_lying

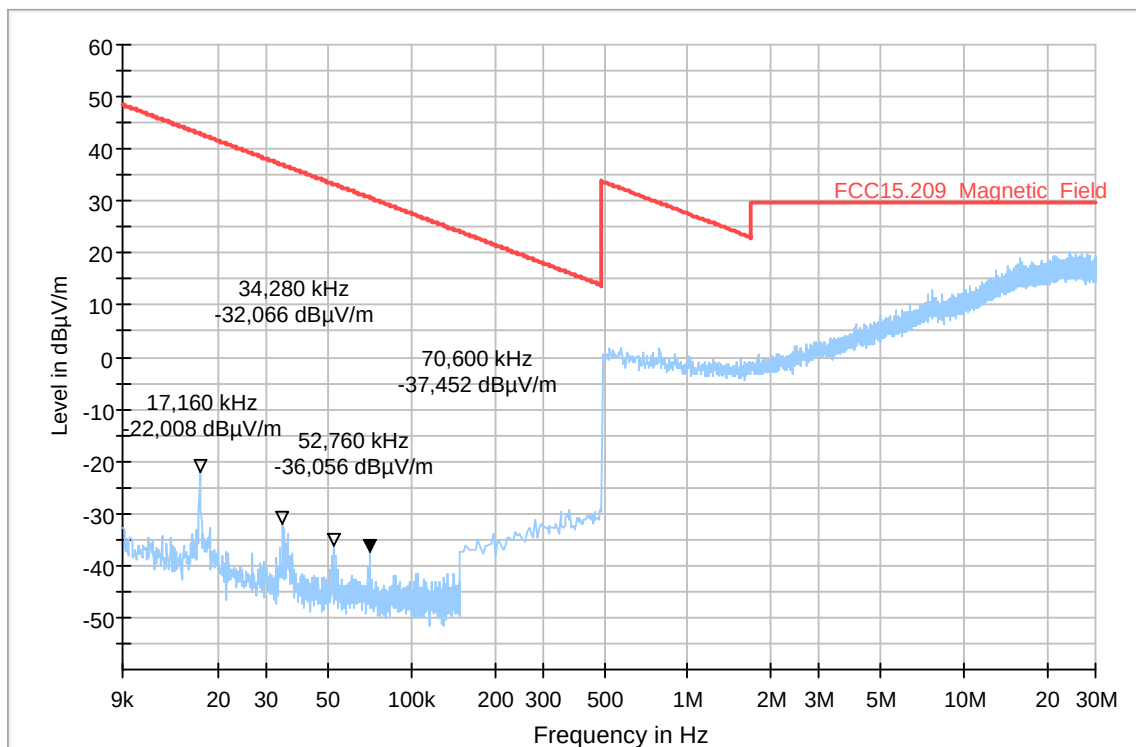
Common Information

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 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	MNu
Operating Mode:	TX 927.6 MHz, PWR 20
Comment 1:	Channel High
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC

Full Spectrum



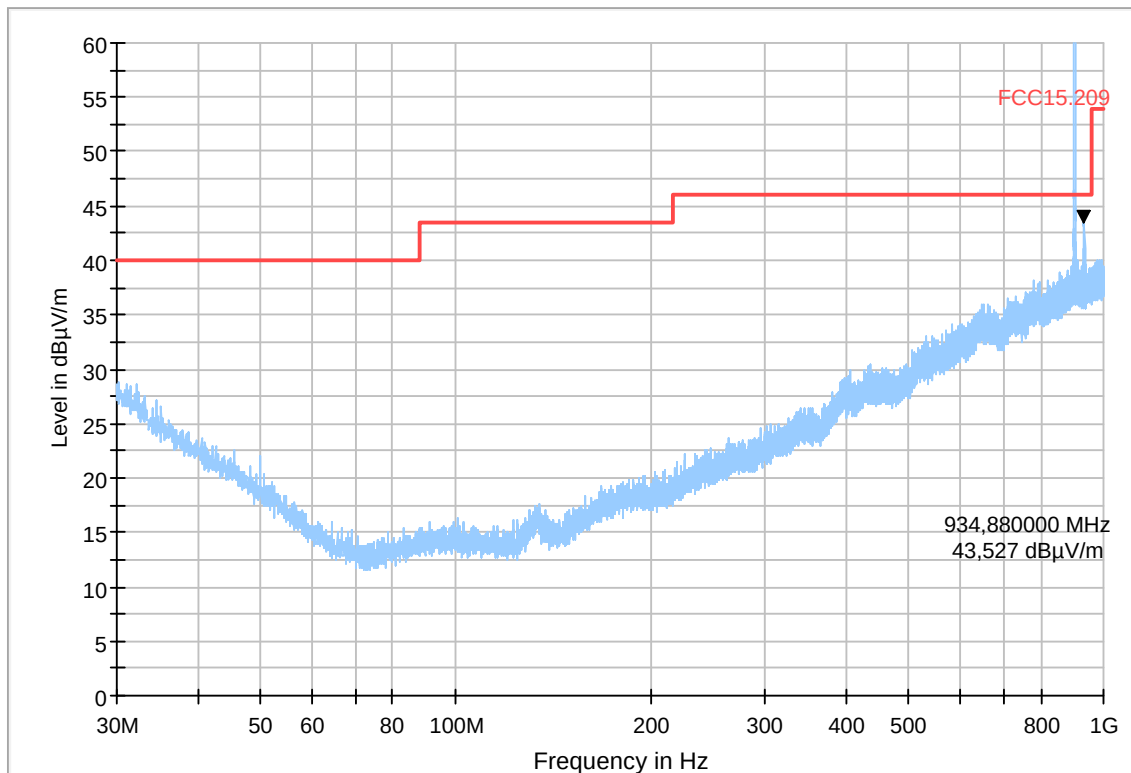
3.01_RSE_ch0_standing

Common Information

Test Description:	Radiated field strength emission in 3m distance in SAC3 anechoic-chamber
Test Site:	cetecom advanced GmbH (Lab location: Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 50 %rH; Temperature: 20 °C
Operator Name:	PShin
Operating Mode:	TX 902.4 MHz, PWR 20
Operating channel:	Low
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC



Remark: peak above limit it the wanted carrier and not relevant to the limit

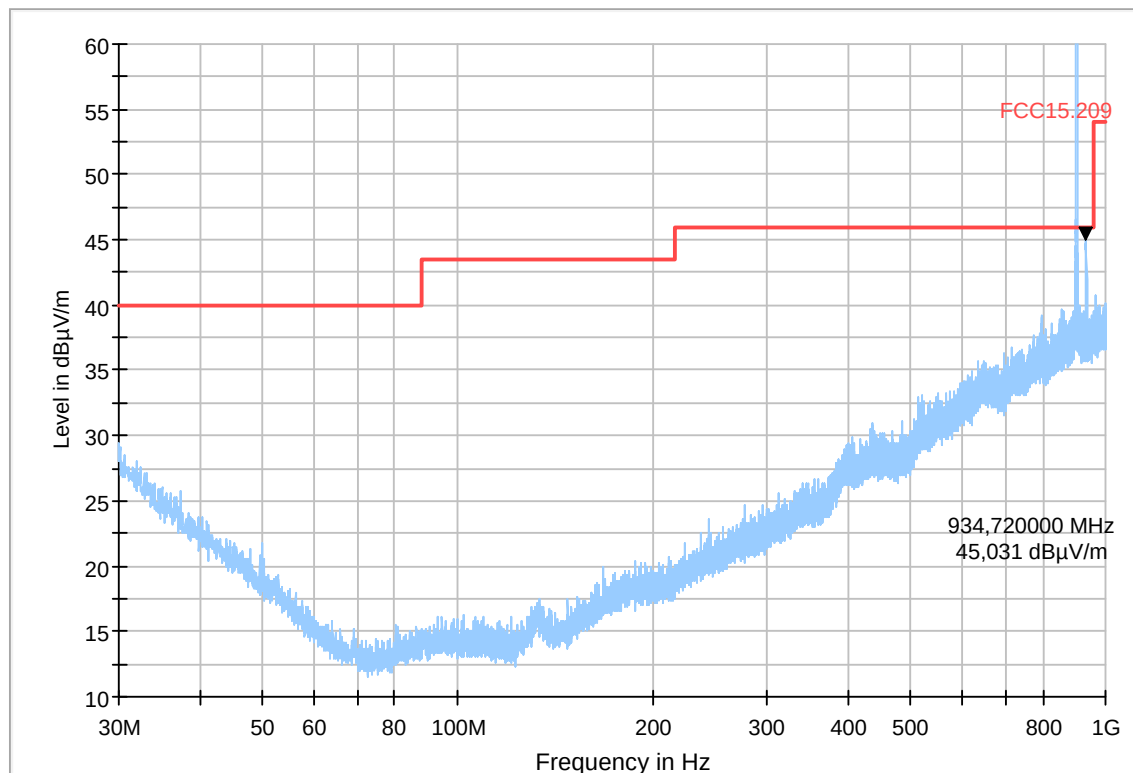
3.02_RSE_ch0_lying

Common Information

Test Description:	Radiated field strength emission in 3m distance in SAC3 anechoic-chamber
Test Site:	cetecom advanced GmbH (Lab location: Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 50 %rH; Temperature: 20 °C
Operator Name:	PShin
Operating Mode:	TX 902.4 MHz, PWR 20
Operating channel:	Low
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC



Remark: peak above limit it the wanted carrier and not relevant to the limit

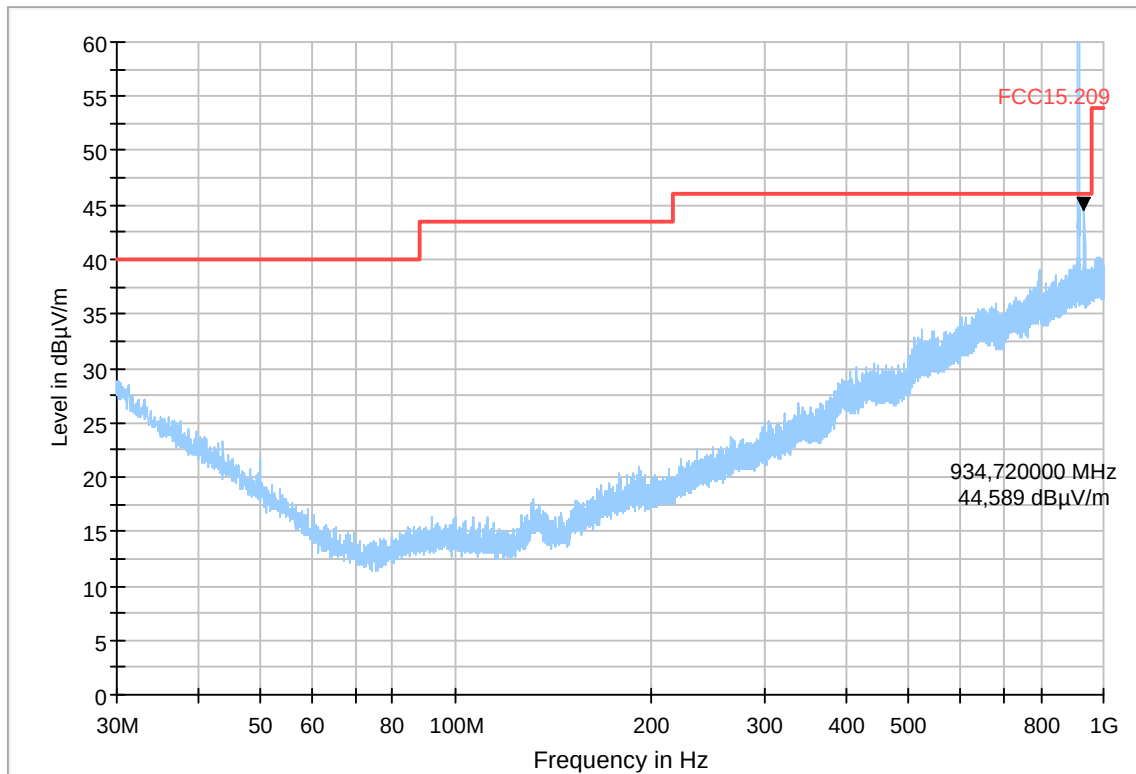
3.03_RSE_ch31_standing

Common Information

Test Description:	Radiated field strength emission in 3m distance in SAC3 anechoic-chamber
Test Site:	cetecom advanced GmbH (Lab location: Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 50 %rH; Temperature: 20 °C
Operator Name:	PShin
Operating Mode:	TX 914.8 MHz, PWR 20
Operating channel:	Mid
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC



Remark: peak above limit it the wanted carrier and not relevant to the limit

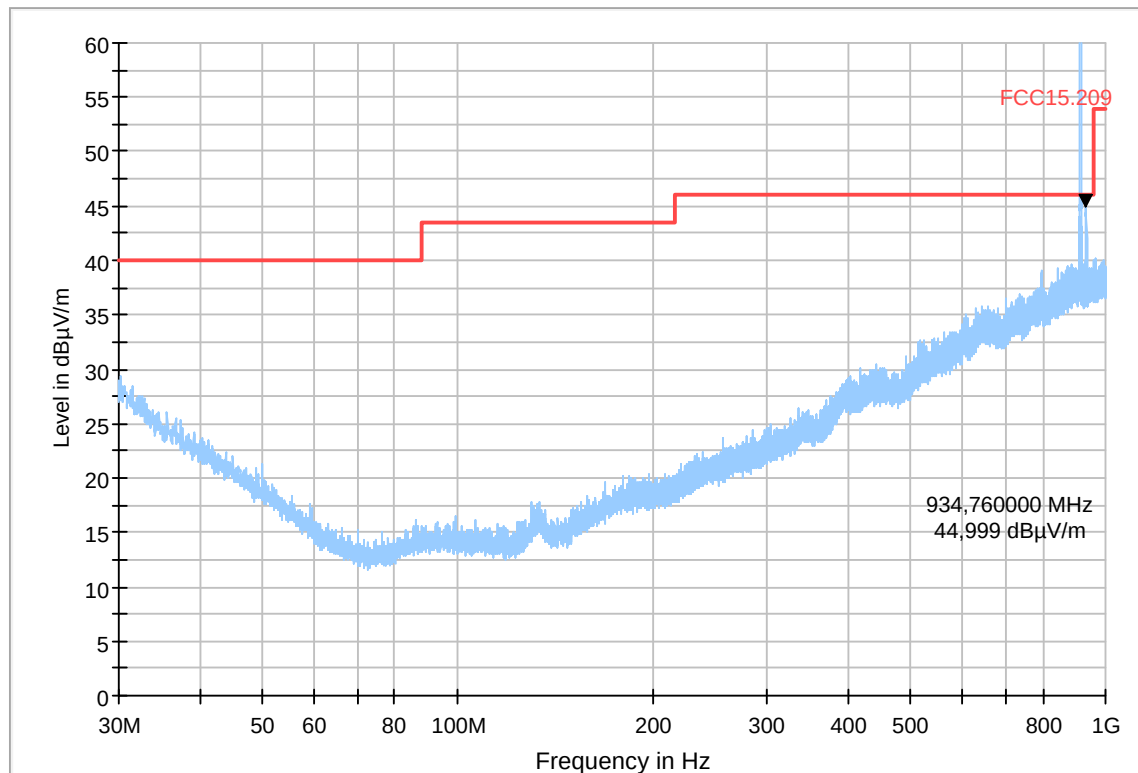
3.04_RSE_ch31_lying

Common Information

Test Description:	Radiated field strength emission in 3m distance in SAC3 anechoic-chamber
Test Site:	cetecom advanced GmbH (Lab location: Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 50 %rH; Temperature: 20 °C
Operator Name:	PShin
Operating Mode:	TX 914.8 MHz, PWR 20
Operating channel:	Mid
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC



Remark: peak above limit it the wanted carrier and not relevant to the limit

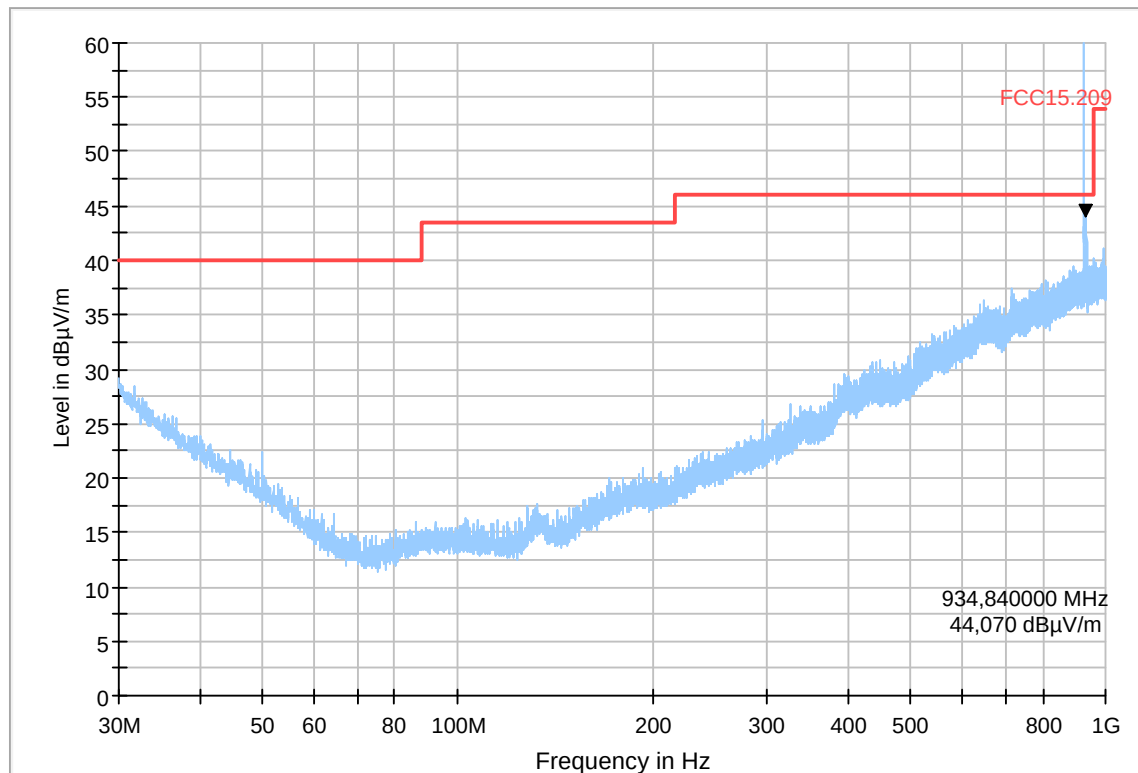
3.05_RSE_ch63_standing

Common Information

Test Description:	Radiated field strength emission in 3m distance in SAC3 anechoic-chamber
Test Site:	cetecom advanced GmbH (Lab location: Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 50 %rH; Temperature: 20 °C
Operator Name:	PShin
Operating Mode:	TX 927.6 MHz, PWR 20
Operating channel:	High
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC



Remark: peak above limit it the wanted carrier and not relevant to the limit

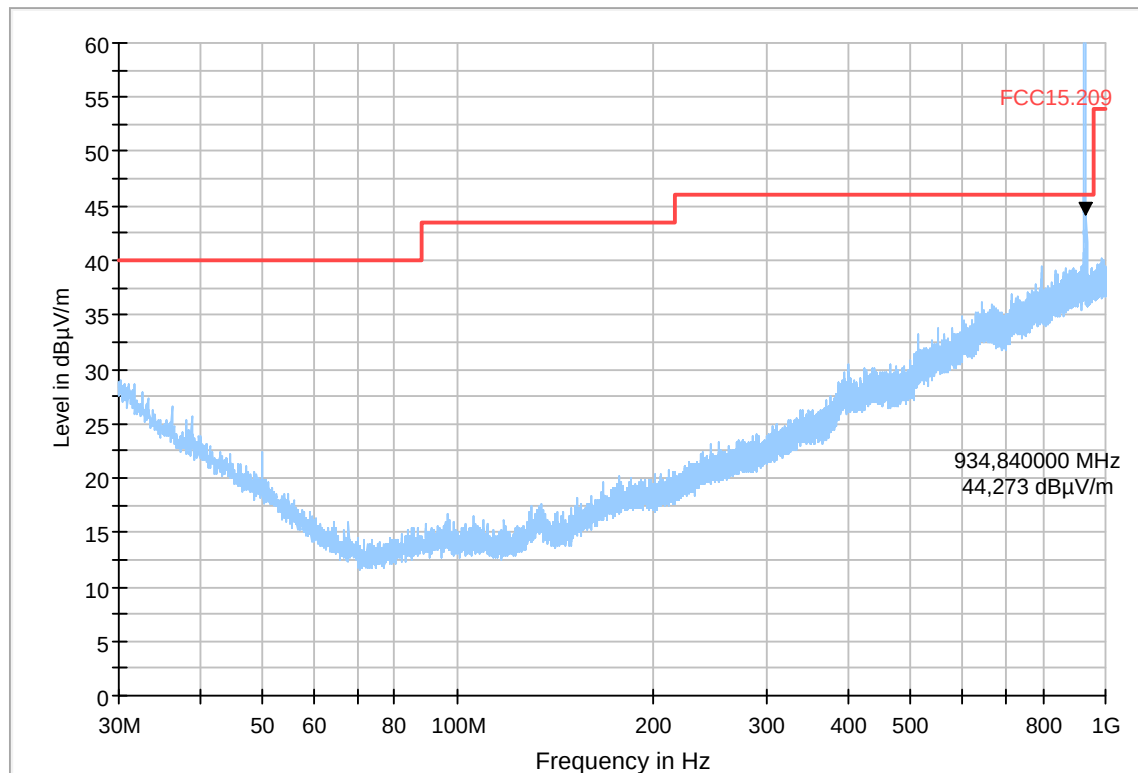
3.06_RSE_ch63_lying

Common Information

Test Description:	Radiated field strength emission in 3m distance in SAC3 anechoic-chamber
Test Site:	cetecom advanced GmbH (Lab location: Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 50 %rH; Temperature: 20 °C
Operator Name:	PShin
Operating Mode:	TX 927.6 MHz, PWR 20
Operating channel:	High
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

EUT Information

Sample:	36.415
Power Supply :	5 V DC



Remark: peak above limit it the wanted carrier and not relevant to the limit

4.01_RSE_ch0

Common Information

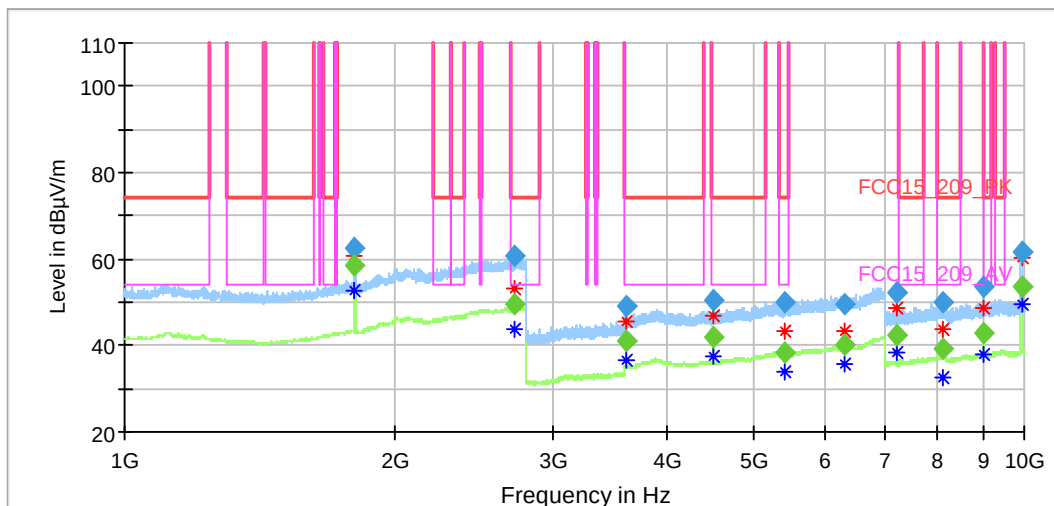
Test Description: Radiated field strength emission in 3m distance
 Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
 Antenna polarisation: horizontal/vertical

Operating Mode: TX 902.4 MHz, PWR 20
 Set-up no. 1
 Operator: MNu
 Comment: Channel no. 0
 Environmental Conditions: Humidity: 50 % rH; Temperature: 20 °C
 Verdict: Passed

EUT Information

Sample: 56.536
 Power Supply : 5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak	Average (dBµV/)	Limit (dBµV/)	Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Elevation
1804.570000	---	58.40	150.00	91.60	100.0	1000.00	155.	H	8.0	0.0
1804.570000	62.63	---	150.00	87.37	100.0	1000.00	155.	H	10.0	0.0
2706.850000	---	49.68	54.00	4.32	100.0	1000.00	155.	V	279.0	0.0
2707.330000	60.56	---	74.00	13.44	100.0	1000.00	155.	V	83.0	0.0
3609.130000	---	41.11	54.00	12.89	100.0	1000.00	155.	H	195.0	90.0
3609.130000	49.10	---	74.00	24.90	100.0	1000.00	155.	H	201.0	90.0
4512.170000	---	41.91	54.00	12.09	100.0	1000.00	155.	H	310.0	90.0
4512.170000	50.36	---	74.00	23.64	100.0	1000.00	155.	H	309.0	90.0
5413.690000	49.92	---	74.00	24.08	100.0	1000.00	155.	V	222.0	0.0
5414.610000	---	38.46	54.00	15.54	100.0	1000.00	155.	V	2.0	90.0
6316.010000	49.60	---	150.00	100.4	100.0	1000.00	155.	H	316.0	90.0
6317.090000	---	40.12	150.00	109.8	100.0	1000.00	155.	H	171.0	90.0
7219.490000	52.06	---	150.00	97.94	100.0	1000.00	155.	V	142.0	90.0
7219.530000	---	42.59	150.00	107.4	100.0	1000.00	155.	H	297.0	90.0
8121.930000	50.02	---	74.00	23.98	100.0	1000.00	155.	H	63.0	90.0
8121.970000	---	39.19	54.00	14.81	100.0	1000.00	155.	V	322.0	0.0
9022.850000	---	42.98	54.00	11.02	100.0	1000.00	155.	V	180.0	0.0
9024.370000	53.61	---	74.00	20.39	100.0	1000.00	155.	V	172.0	0.0
9926.810000	61.80	---	150.00	88.20	100.0	1000.00	155.	V	-1.0	90.0
9926.850000	---	53.59	150.00	96.41	100.0	1000.00	155.	V	198.0	0.0

4.02_RSE_ch31

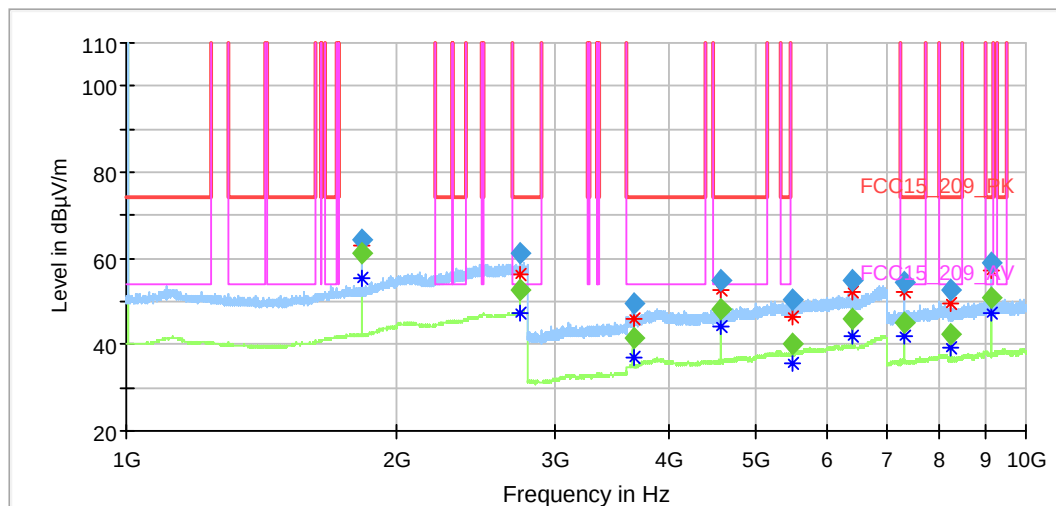
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
 Antenna polarisation: horizontal/vertical
 Operating Mode: TX 914.8 MHz, PWR 20
 Set-up no. 1
 Operator: MNu
 Comment: Channel no. 31
 Environmental Conditions: Humidity: 50 % rH; Temperature: 20 °C
 Verdict: Passed

EUT Information

Sample: 56.536
 Power Supply : 5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak	Average (dBµV/)	Limit (dBµV/)	Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Elevation
1829.370000	---	61.05	150.00	88.95	100.0	1000.00	155.	H	42.0	0.0
1829.370000	64.19	---	150.00	85.81	100.0	1000.00	155.	H	41.0	0.0
2744.050000	---	52.51	54.00	1.49	100.0	1000.00	155.	V	96.0	0.0
2744.530000	61.24	---	74.00	12.76	100.0	1000.00	155.	V	96.0	0.0
3658.730000	---	41.47	54.00	12.53	100.0	1000.00	155.	H	193.0	90.0
3659.370000	49.67	---	74.00	24.33	100.0	1000.00	155.	H	192.0	90.0
4574.170000	55.00	---	74.00	19.00	100.0	1000.00	155.	V	-32.0	90.0
4574.170000	---	48.42	54.00	5.58	100.0	1000.00	155.	V	-21.0	90.0
5489.010000	50.43	---	150.00	99.57	100.0	1000.00	155.	V	171.0	90.0
5489.050000	---	40.07	150.00	109.9	100.0	1000.00	155.	H	314.0	90.0
6402.810000	---	46.04	150.00	103.9	100.0	1000.00	155.	H	154.0	90.0
6403.850000	54.78	---	150.00	95.22	100.0	1000.00	155.	H	153.0	90.0
7317.490000	---	45.15	54.00	8.85	100.0	1000.00	155.	V	190.0	90.0
7318.690000	54.62	---	74.00	19.38	100.0	1000.00	155.	V	189.0	90.0
8233.530000	52.75	---	74.00	21.25	100.0	1000.00	155.	H	245.0	90.0
8233.570000	---	42.33	54.00	11.67	100.0	1000.00	155.	H	238.0	90.0
9146.850000	59.12	---	74.00	14.88	100.0	1000.00	155.	V	188.0	0.0
9148.370000	---	50.94	54.00	3.06	100.0	1000.00	155.	V	172.0	0.0

4.03_RSE_ch63

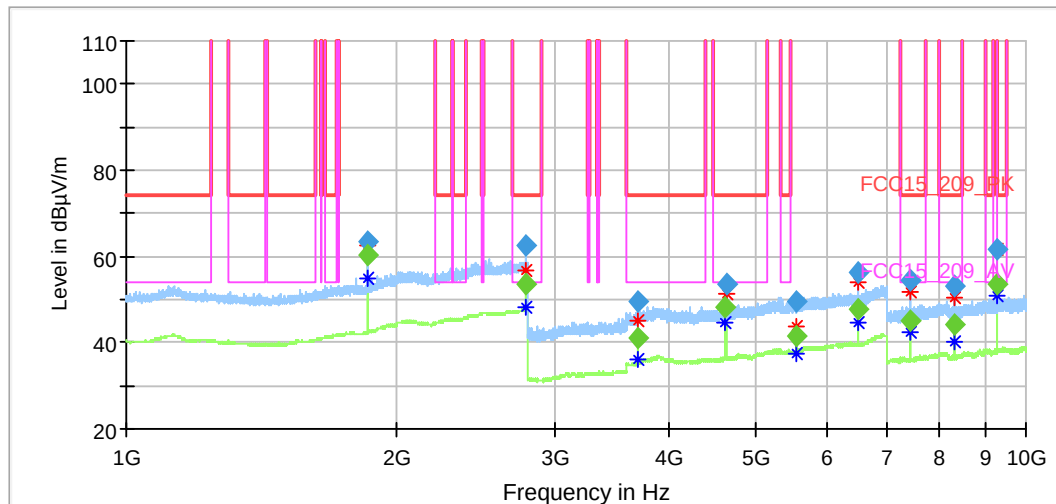
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
 Antenna polarisation: horizontal/vertical
 Operating Mode: TX 927.6 MHz, PWR 20
 Set-up no. 1
 Operator: MNu
 Comment: Channel no. 63
 Environmental Conditions: Humidity: 50 % rH; Temperature: 20 °C
 Verdict: Passed

EUT Information

Sample: 56.536
 Power Supply : 5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak	Average (dBµV/)	Limit (dBµV/)	Margin	Meas. Time	Bandwidth	Height	Pol	Azimuth	Elevation
1854.970000	---	60.42	150.00	89.58	100.0	1000.00	155.	H	21.0	0.0
1854.970000	63.65	---	150.00	86.35	100.0	1000.00	155.	H	24.0	0.0
2782.450000	62.39	---	74.00	11.61	100.0	1000.00	155.	H	-18.0	90.0
2782.450000	---	53.52	54.00	0.48	100.0	1000.00	155.	H	154.0	90.0
3709.930000	49.37	---	74.00	24.63	100.0	1000.00	155.	V	202.0	90.0
3710.530000	---	41.15	54.00	12.85	100.0	1000.00	155.	V	200.0	90.0
4637.410000	---	48.27	54.00	5.73	100.0	1000.00	155.	V	-33.0	90.0
4638.170000	53.71	---	74.00	20.29	100.0	1000.00	155.	H	132.0	0.0
5564.930000	49.71	---	150.00	100.2	100.0	1000.00	155.	V	178.0	90.0
5565.850000	---	41.31	150.00	108.6	100.0	1000.00	155.	V	41.0	90.0
6492.370000	---	47.86	150.00	102.1	100.0	1000.00	155.	H	160.0	90.0
6492.410000	56.38	---	150.00	93.62	100.0	1000.00	155.	H	154.0	90.0
7419.850000	---	44.87	54.00	9.13	100.0	1000.00	155.	V	167.0	90.0
7421.130000	54.48	---	74.00	19.52	100.0	1000.00	155.	V	190.0	90.0
8347.370000	53.17	---	74.00	20.83	100.0	1000.00	155.	H	238.0	90.0
8348.730000	---	44.14	54.00	9.86	100.0	1000.00	155.	H	237.0	90.0
9276.370000	---	53.74	150.00	96.26	100.0	1000.00	155.	V	193.0	0.0
9276.370000	61.70	---	150.00	88.30	100.0	1000.00	155.	V	193.0	0.0

Document History

Release	Applied changes	Release date
R01	Initial release	May 26, 2026

- END OF DOCUMENT -