

Annex 202 – Test Results

No. 1-9816-25-03-03_TR1-A202-R01

May 26, 2026

Description

Test Result Diagrams

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RadioLabs
2026.05.26 11:08:42 +
02'00'

Timo Franke

Lab Manager

Compliance Testing & Innovation

1 Measurement diagrams

EUT Information for all following tests

Sample: 48.023
Power Supply : 3.6 V Battery

2.01_RSE_ch0_standing

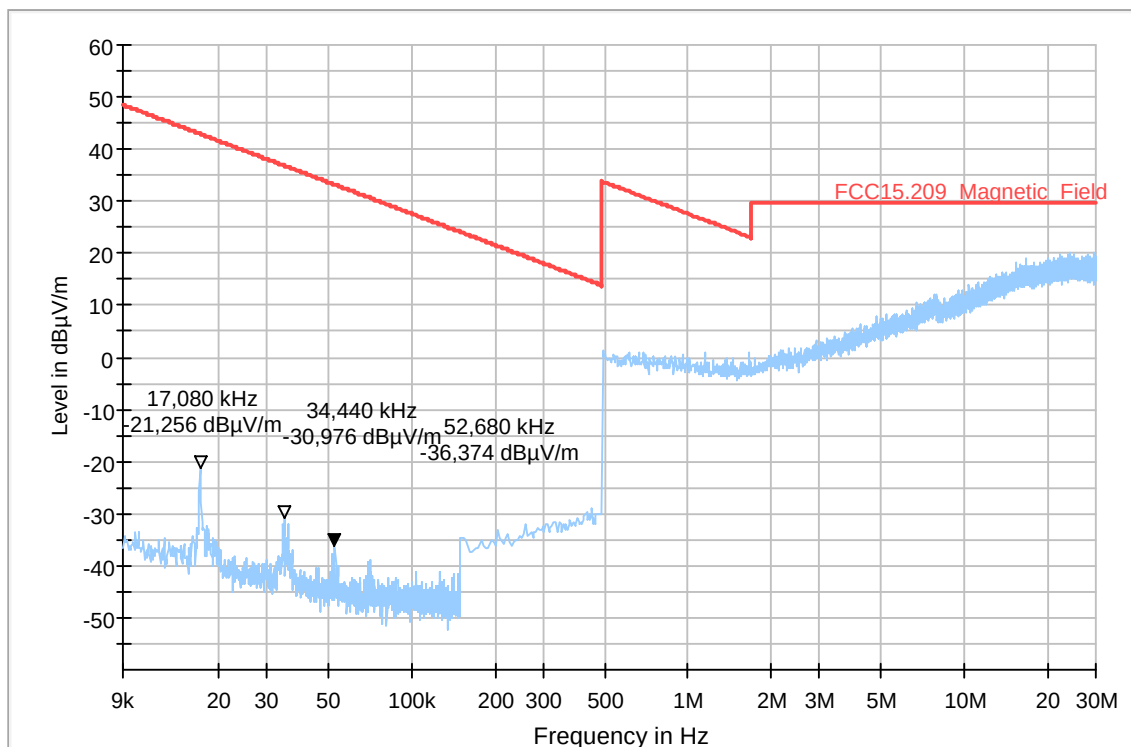
Common Information

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 18
Comment 1: Channel Low
Environmental Conditions: Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup: 1
Verdict: Passed

Full Spectrum

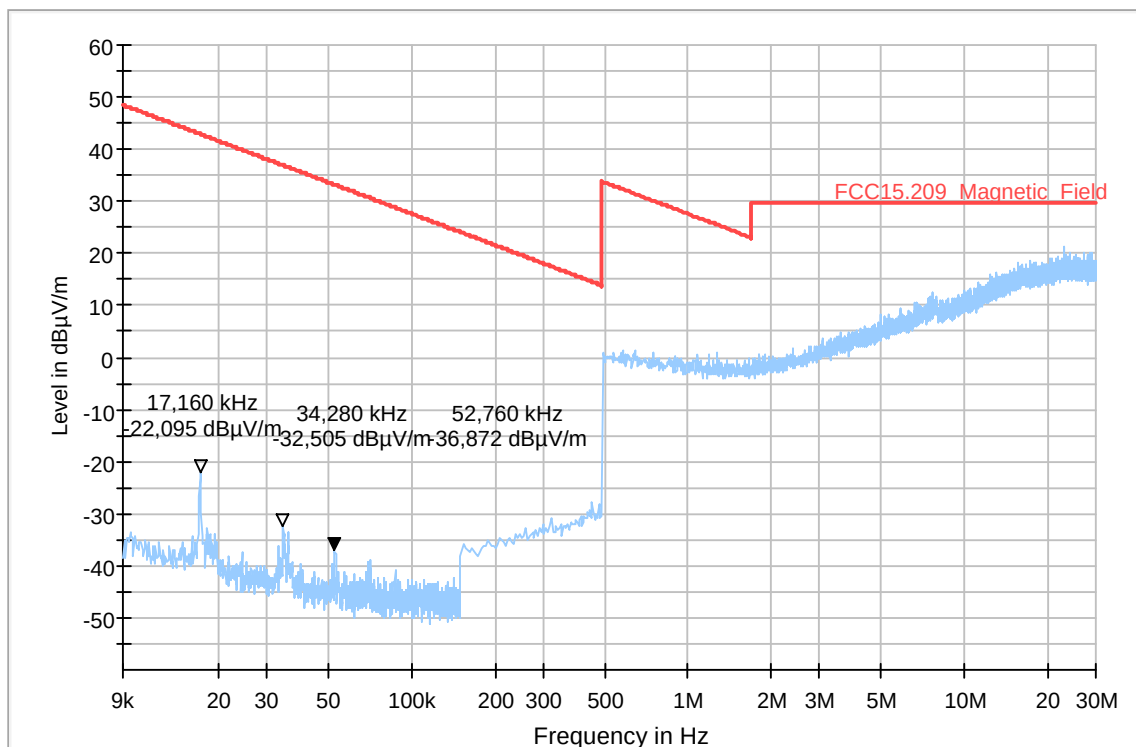


2.02_RSE_ch0_lying

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:	PSHIN
Operating Mode:	TX 902.4 MHz, PWR 18
Comment 1:	Channel Low
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

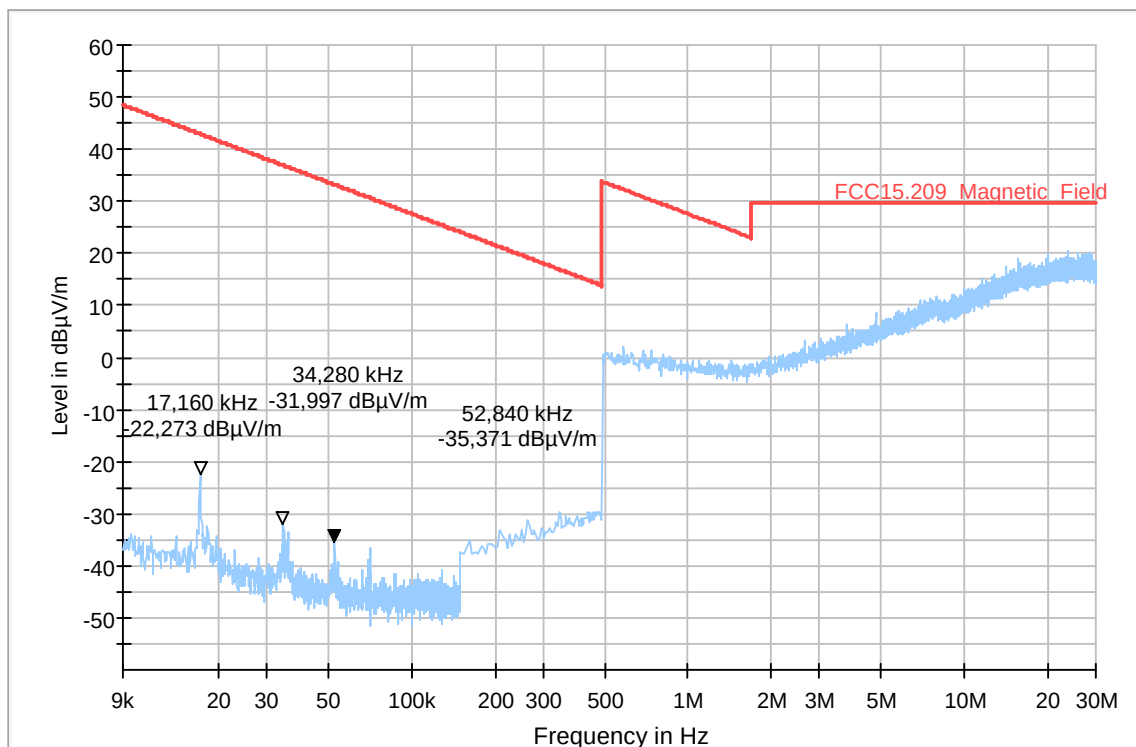


2.03_RSE_ch31_standing

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:	PSHIN
Operating Mode:	TX 914.8 MHz, PWR 18
Comment 1:	Channel Mid
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

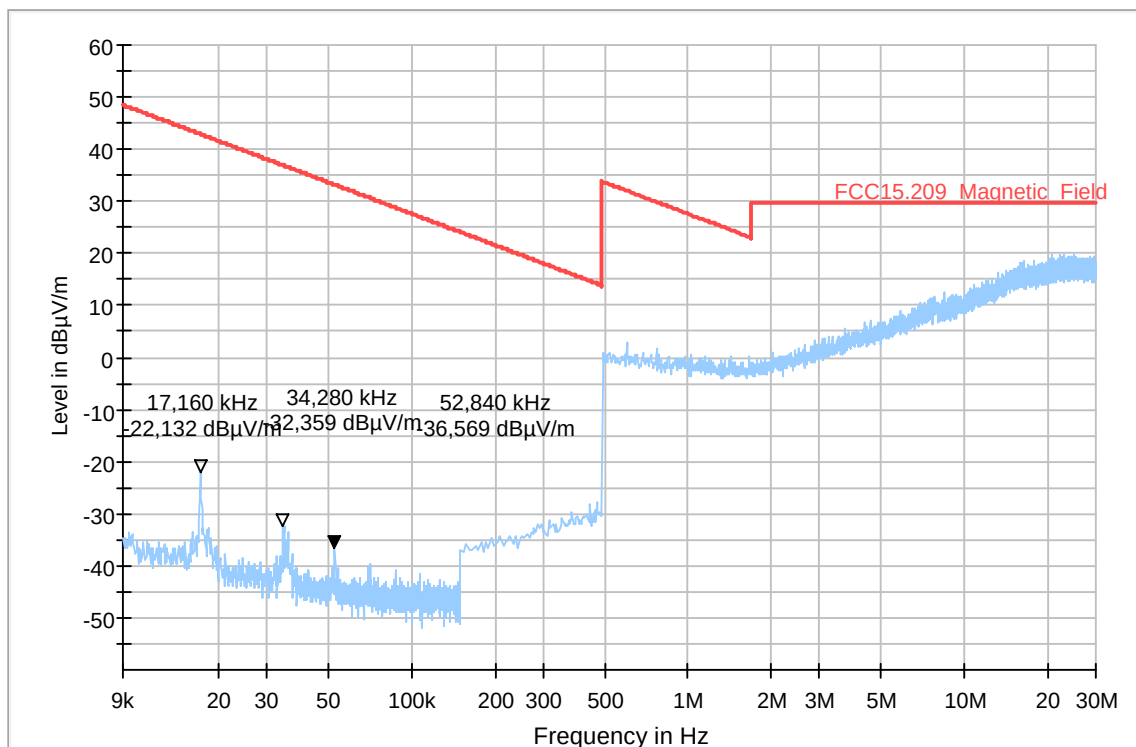


2.04_RSE_ch31_lying

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:	PShin
Operating Mode:	TX 914.8 MHz, PWR 18
Comment 1:	Channel Mid
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

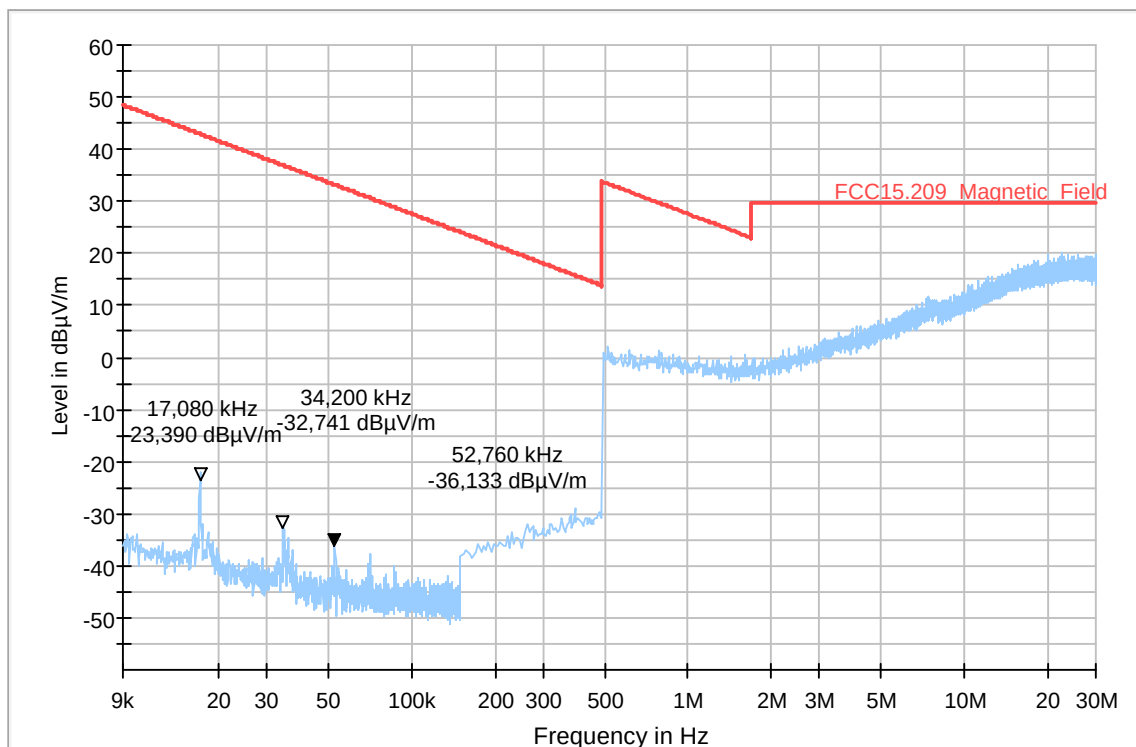


2.05_RSE_ch63_standing

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:	PShin
Operating Mode:	TX 927.6 MHz, PWR 18
Comment 1:	Channel High
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

Full Spectrum

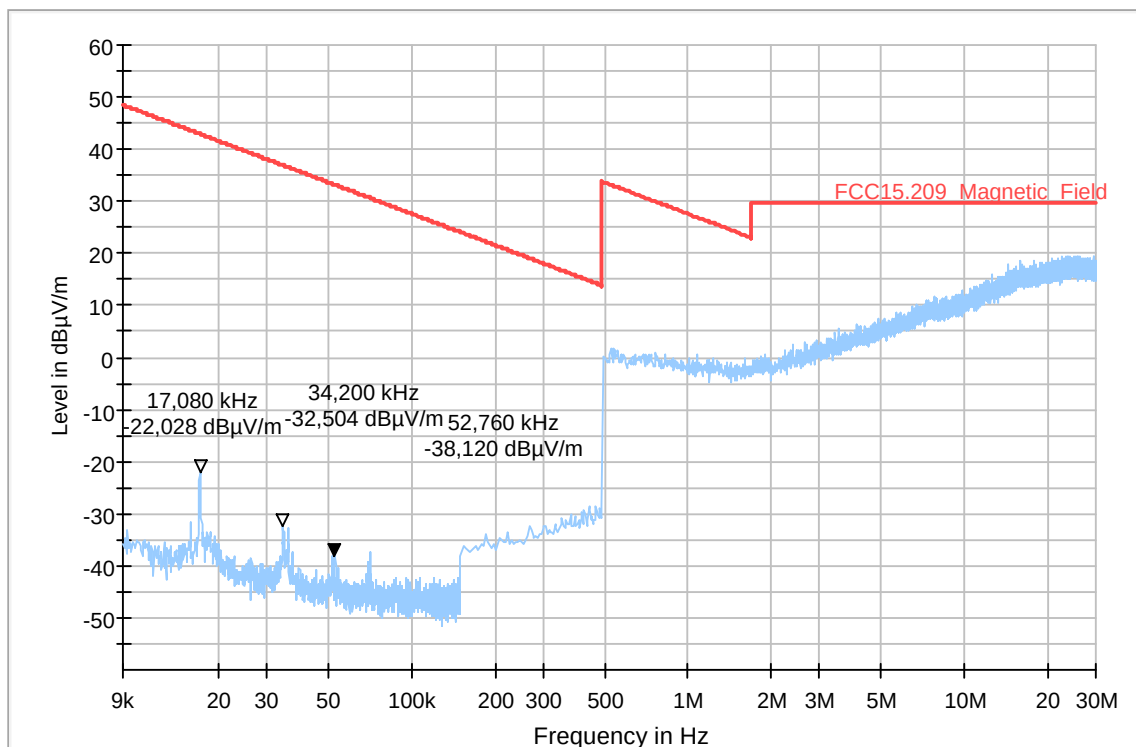


2.06_RSE_ch63_lying

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:	PShin
Operating Mode:	TX 927.6 MHz, PWR 18
Comment 1:	Channel High
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

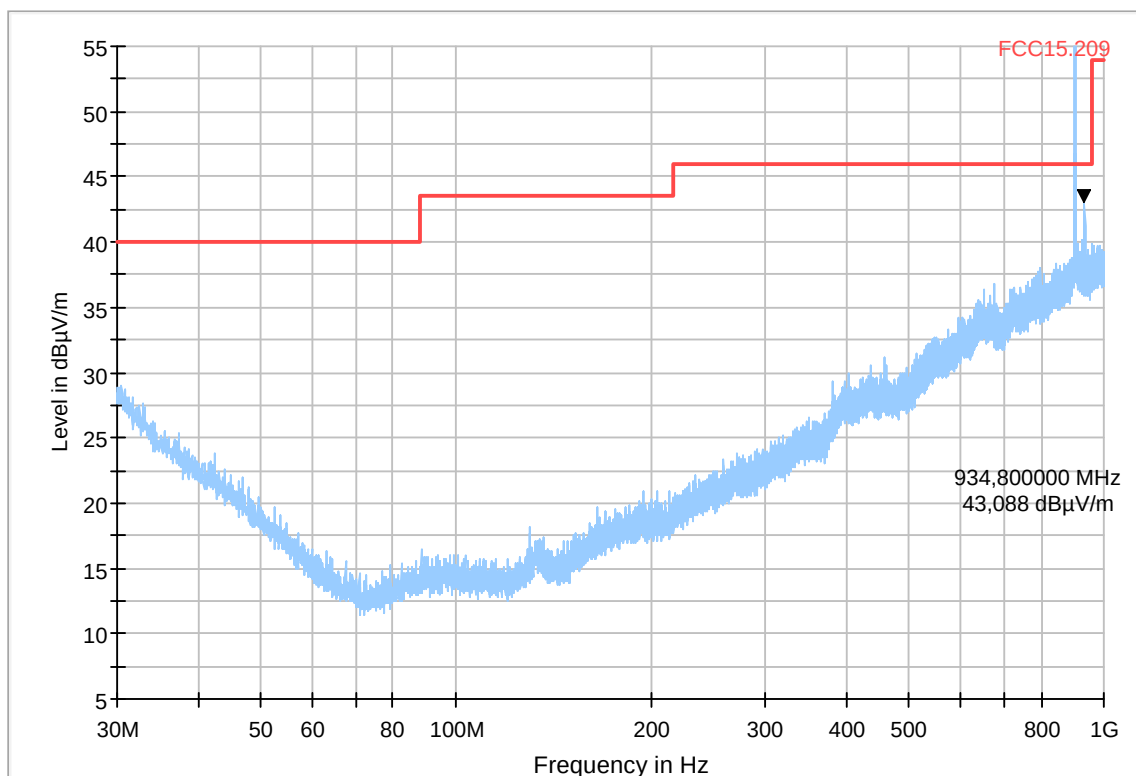
Full Spectrum



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 18
Operating channel:	Low
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

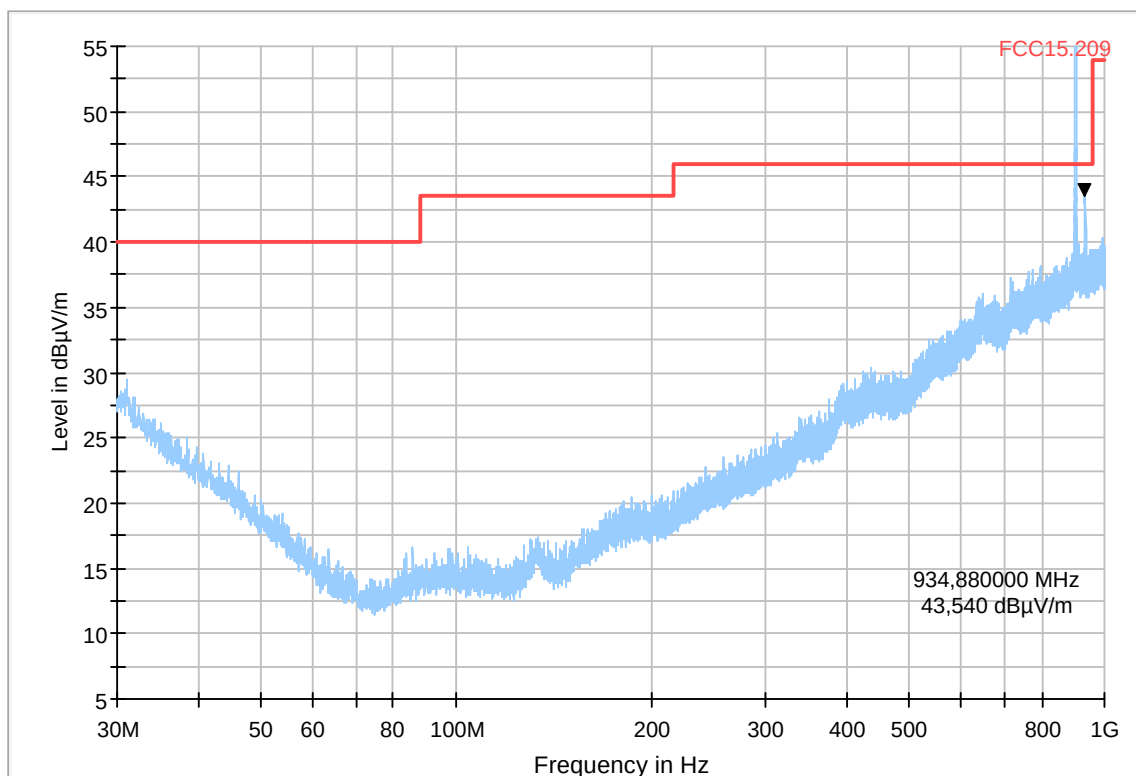


Remark: peak above limit it the wanted carrier and not relevant to the limit

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 18
Operating channel:	Low
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

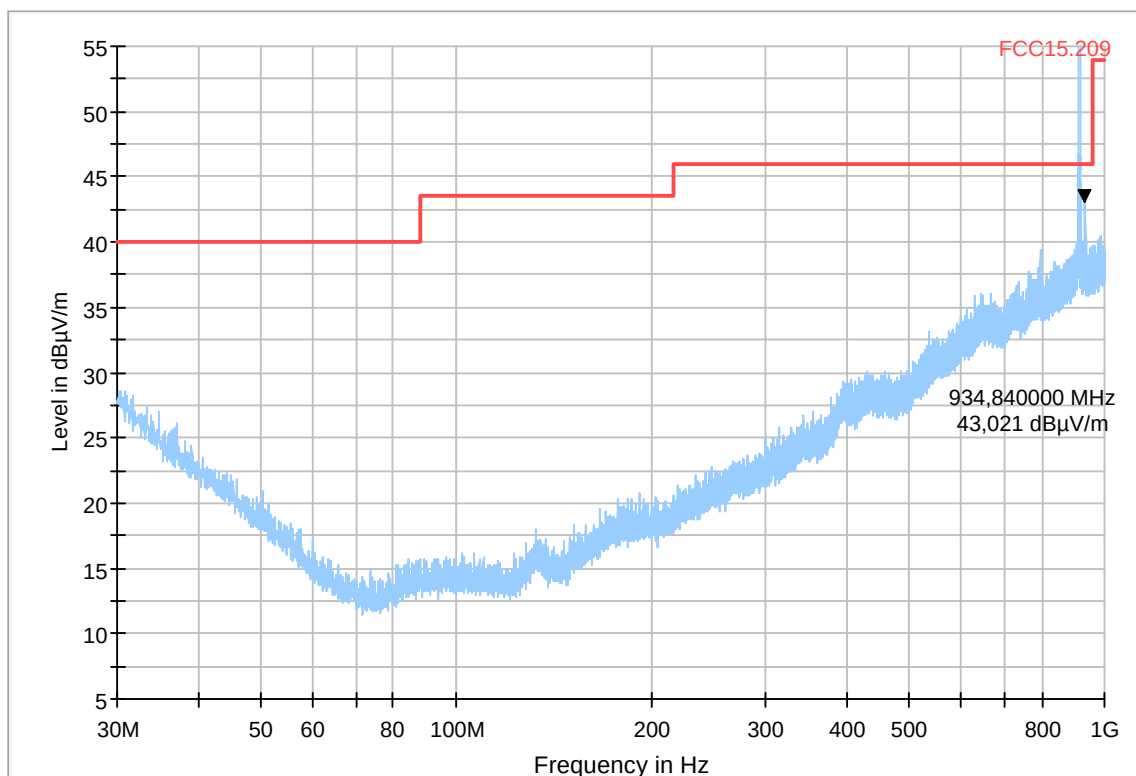


Remark: peak above limit it the wanted carrier and not relevant to the limit

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 18
Operating channel:	Mid
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

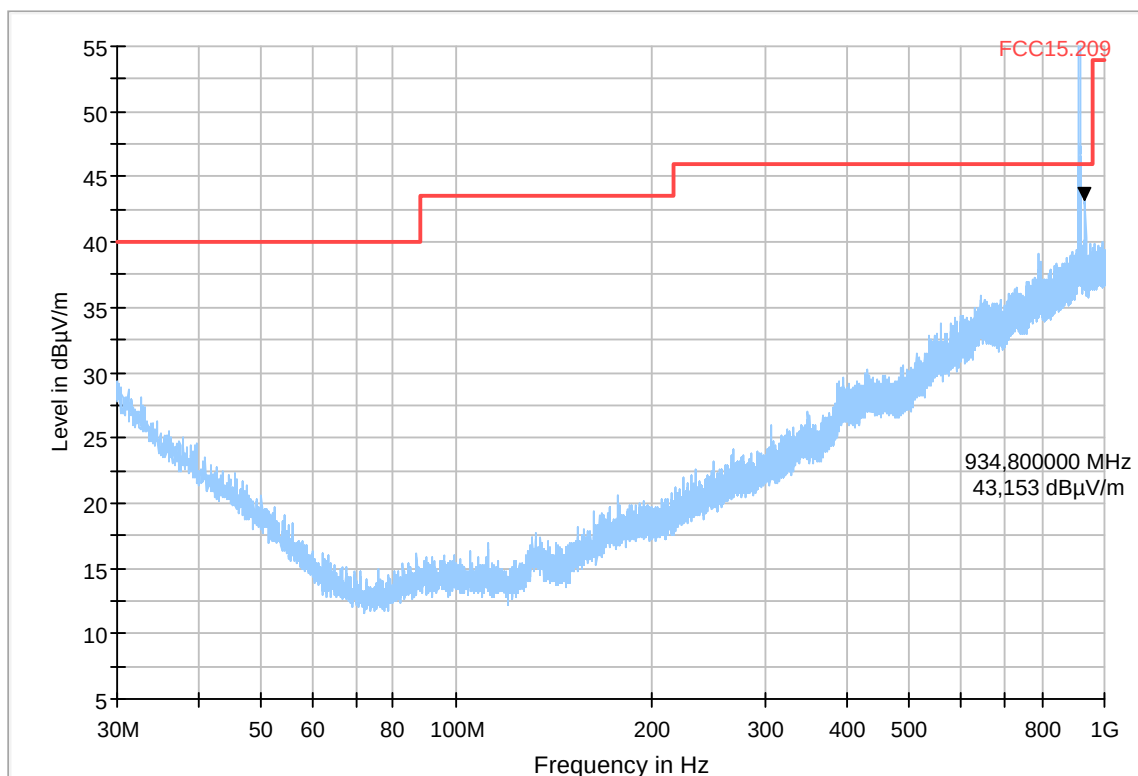


Remark: peak above limit it the wanted carrier and not relevant to the limit

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 18
Operating channel:	Mid
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

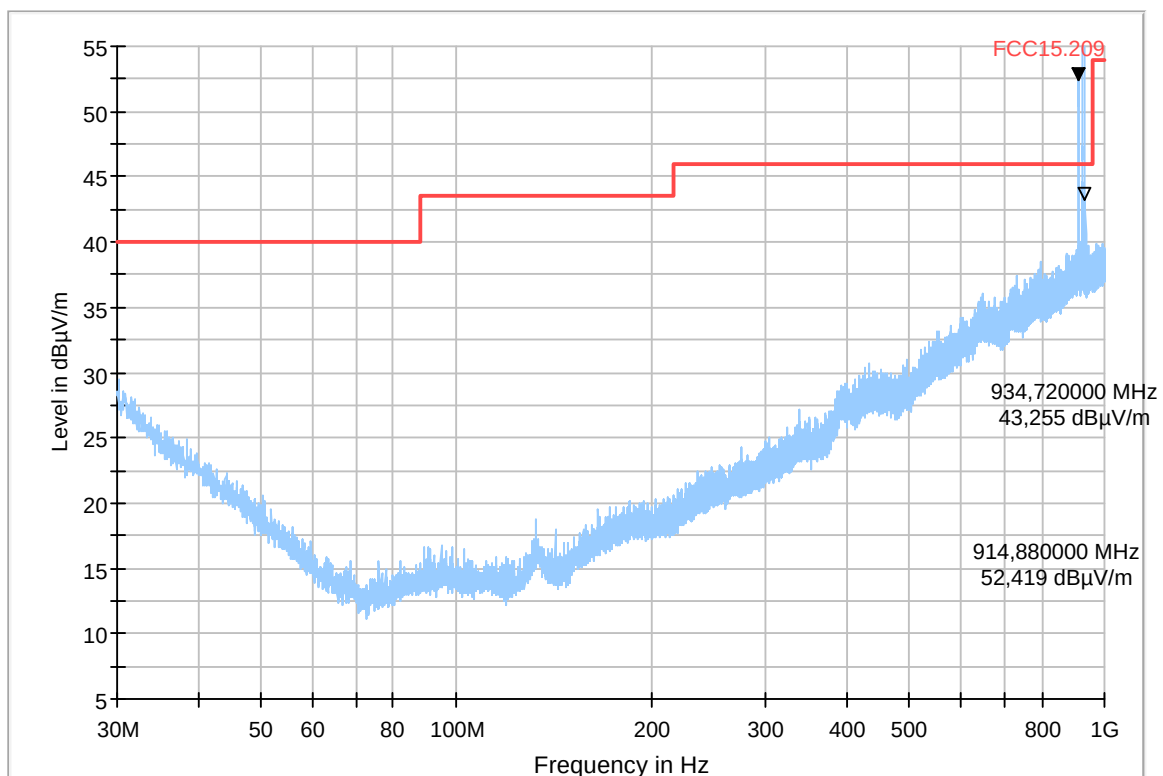


Remark: peak above limit it the wanted carrier and not relevant to the limit

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 18
Operating channel:	High
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed

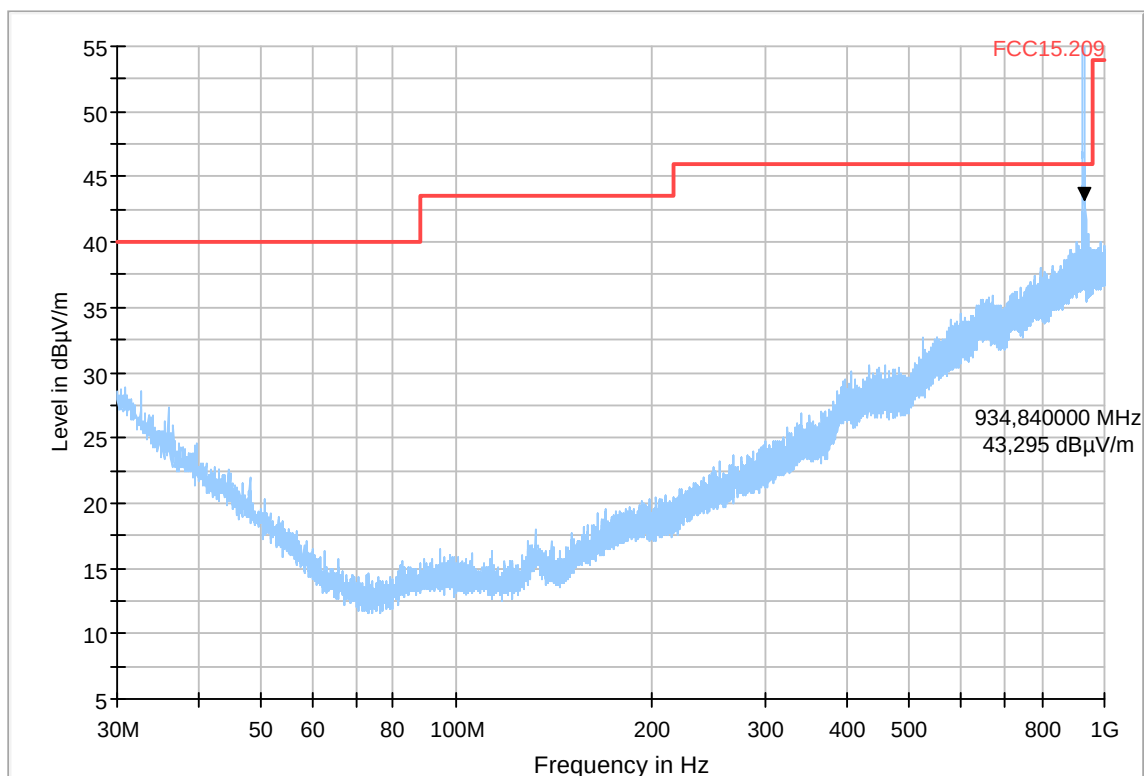


Remark: peak above limit it the wanted carrier and not relevant to the limit

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 18
Operating channel:	High
Comment:	Frequencies 934MHz due external cellular interferers, not relevant for results verdict
Verdict:	Passed



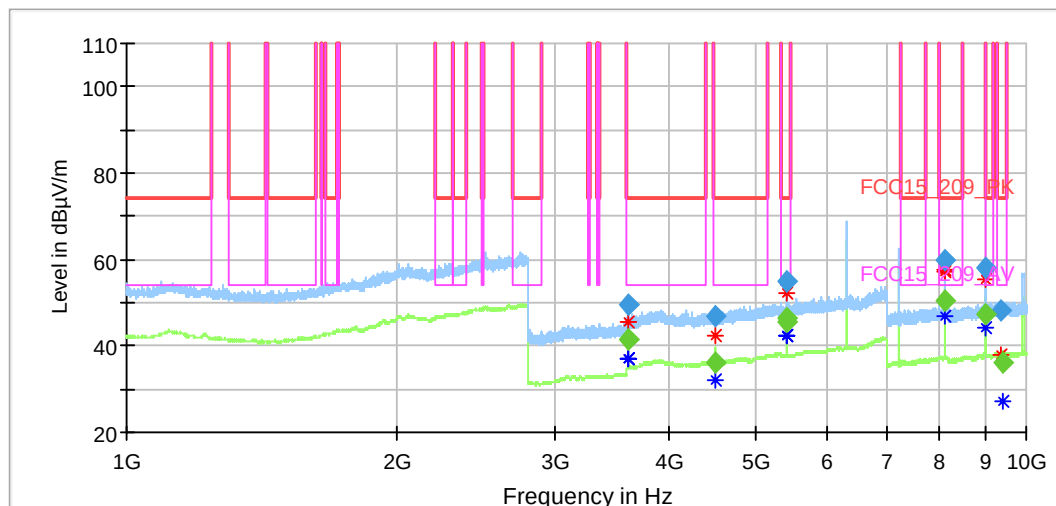
Remark: peak above limit it the wanted carrier and not relevant to the limit

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 18
Set-up no.	1
Operator:	PShin
Comment:	Channel no. 0
Environmental Conditions:	Humidity: 50 % rH; Temperature: 20 °C
Verdict:	Failed

Full Spectrum



Final_Result

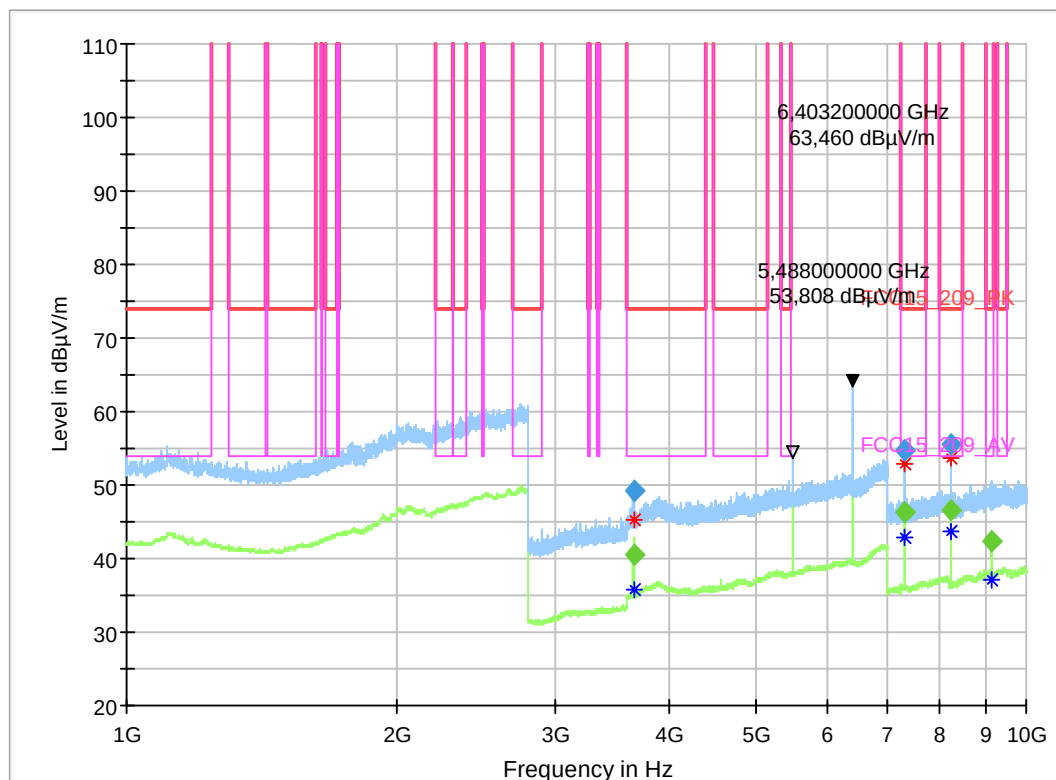
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
3609.170000	49.70	---	74.00	24.30	100.0	1000.000	155.0	V	96.0	90.0
3609.170000	---	41.71	54.00	12.29	100.0	1000.000	155.0	H	85.0	0.0
4511.450000	---	36.28	54.00	17.72	100.0	1000.000	155.0	H	136.0	0.0
4512.210000	46.92	---	74.00	27.08	100.0	1000.000	155.0	H	14.0	90.0
5413.730000	---	45.41	54.00	8.59	100.0	1000.000	155.0	H	316.0	90.0
5413.770000	---	46.50	54.00	7.50	100.0	1000.000	155.0	H	343.0	90.0
5414.650000	54.71	---	74.00	19.29	100.0	1000.000	155.0	H	344.0	90.0
8120.610000	---	50.66	54.00	3.34	100.0	1000.000	155.0	H	316.0	90.0
8122.010000	59.82	---	74.00	14.18	100.0	1000.000	155.0	H	315.0	90.0
9022.930000	57.88	---	74.00	16.12	100.0	1000.000	155.0	H	92.0	90.0
9024.450000	---	47.31	54.00	6.69	100.0	1000.000	155.0	H	94.0	90.0
9365.410000	48.23	---	74.00	25.77	100.0	1000.000	155.0	V	191.0	90.0
9440.090000	---	36.25	54.00	17.75	100.0	1000.000	155.0	H	255.0	90.0

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 18
Set-up no.	1
Operator:	PShin
Comment:	Channel no. 31
Environmental Conditions:	Humidity: 50 % rH; Temperature: 20 °C
Verdict:	Passed

Full Spectrum



Final_Result

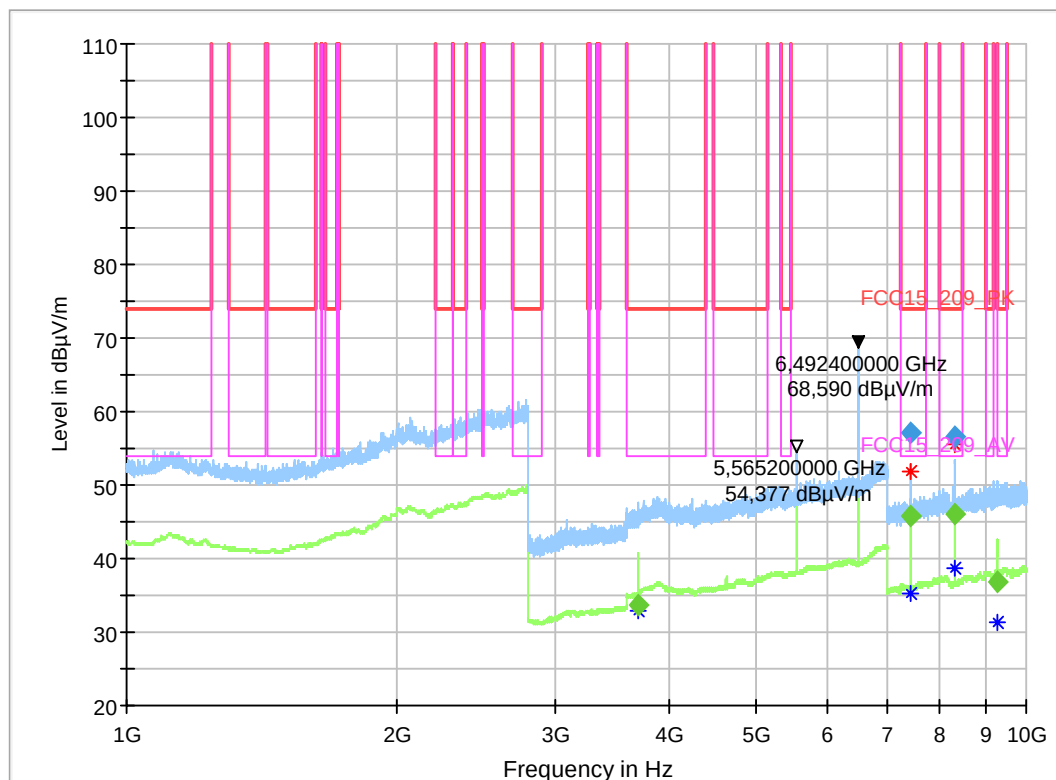
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
3658.770000	49.30	---	74.00	24.70	100.0	1000.000	155.0	H	93.0	90.0
3658.770000	---	40.61	54.00	13.39	100.0	1000.000	155.0	H	95.0	90.0
7317.530000	---	46.26	54.00	7.75	100.0	1000.000	155.0	V	201.0	0.0
7317.530000	54.77	---	74.00	19.23	100.0	1000.000	155.0	V	203.0	0.0
8233.610000	---	46.70	54.00	7.30	100.0	1000.000	155.0	V	305.0	90.0
8233.610000	55.59	---	74.00	18.41	100.0	1000.000	155.0	V	305.0	90.0
9148.450000	---	42.28	54.00	11.72	100.0	1000.000	155.0	H	63.0	90.0

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 18
Set-up no.	1
Operator:	PShin
Comment:	Channel no. 63
Environmental Conditions:	Humidity: 50 % rH; Temperature: 20 °C
Verdict:	Passed

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
3709.970000	---	33.81	54.00	20.19	100.0	1000.000	155.0	V	265.0	0.0
7419.930000	57.14	---	74.00	16.86	100.0	1000.000	155.0	V	192.0	0.0
7420.450000	---	45.86	54.00	8.14	100.0	1000.000	155.0	V	184.0	0.0
8348.650000	---	45.97	54.00	8.03	100.0	1000.000	155.0	V	64.0	90.0
8348.810000	56.64	---	74.00	17.36	100.0	1000.000	155.0	V	64.0	90.0
9275.050000	---	36.84	150.00	113.16	100.0	1000.000	155.0	H	12.0	90.0

Document History

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

- END OF DOCUMENT -