

Annex 1: Measurement diagrams

24-1-0039801T013_TR2-A201-R01

Number of pages:	81	Date of Report:	2024-Nov-04
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	Applicant:	Lufthansa Technik AG
Product: Model:	Small Aircraft Cabin Management and Inflight Entertainment System (SAC) SAC0522		
FCC ID:	2BKRF SAC0522001001		
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A, Part 15 Subpart E Unlicensed National Information Infrastructure Devices § 15.407 General technical requirements		

Measurement diagrams

2.01_a-mode_6Mbps_ch36_lying

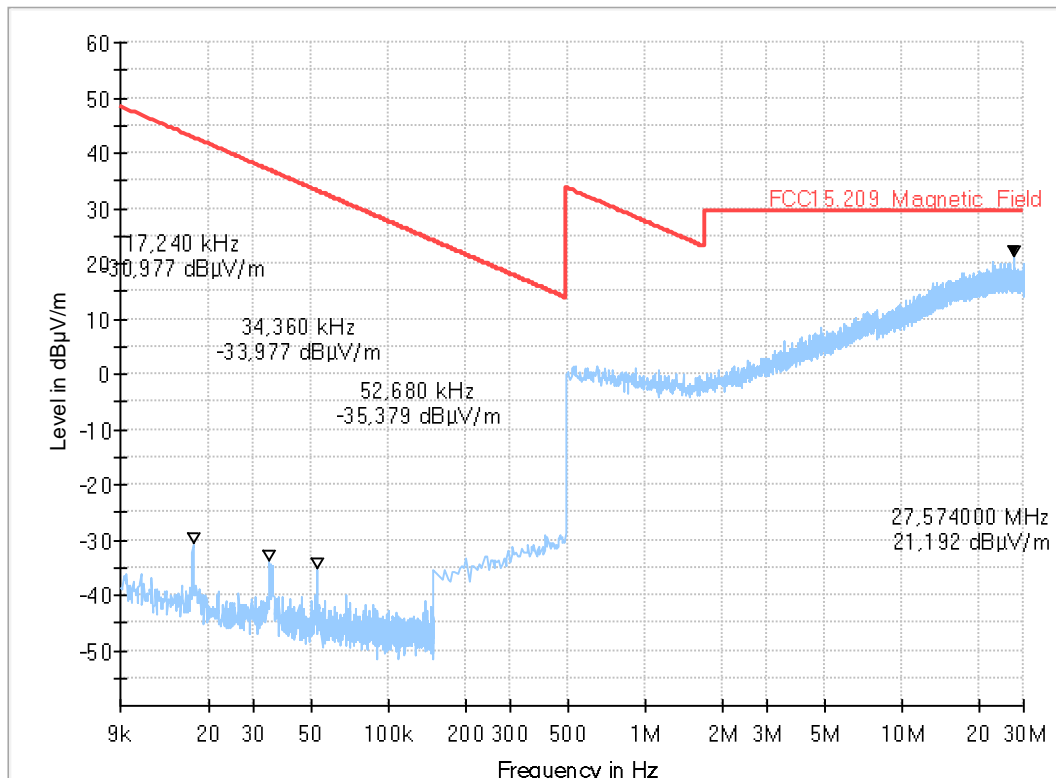
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	a-mode 6Mbps ch36 laying
Environmental Conditions:	Humidity: 44% rH; Temperature: 20.2 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-000398S02_C01
Power:	28 V DC

Full Spectrum



2.02_a-mode_6Mbps_ch36_standing

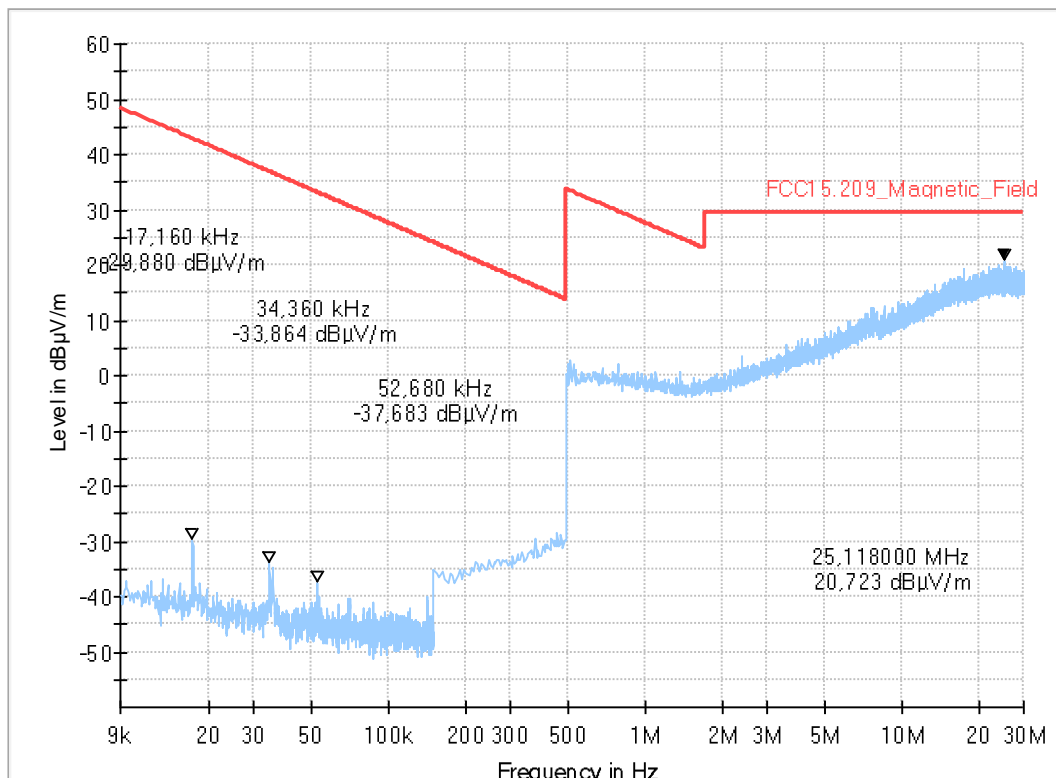
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	a-mode 6Mbps ch36 standing
Environmental Conditions:	Humidity: 44% rH; Temperature: 20.2 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-000398S02_C01
Power:	28 V DC

Full Spectrum



2.03_a-mode_6Mbps_ch40

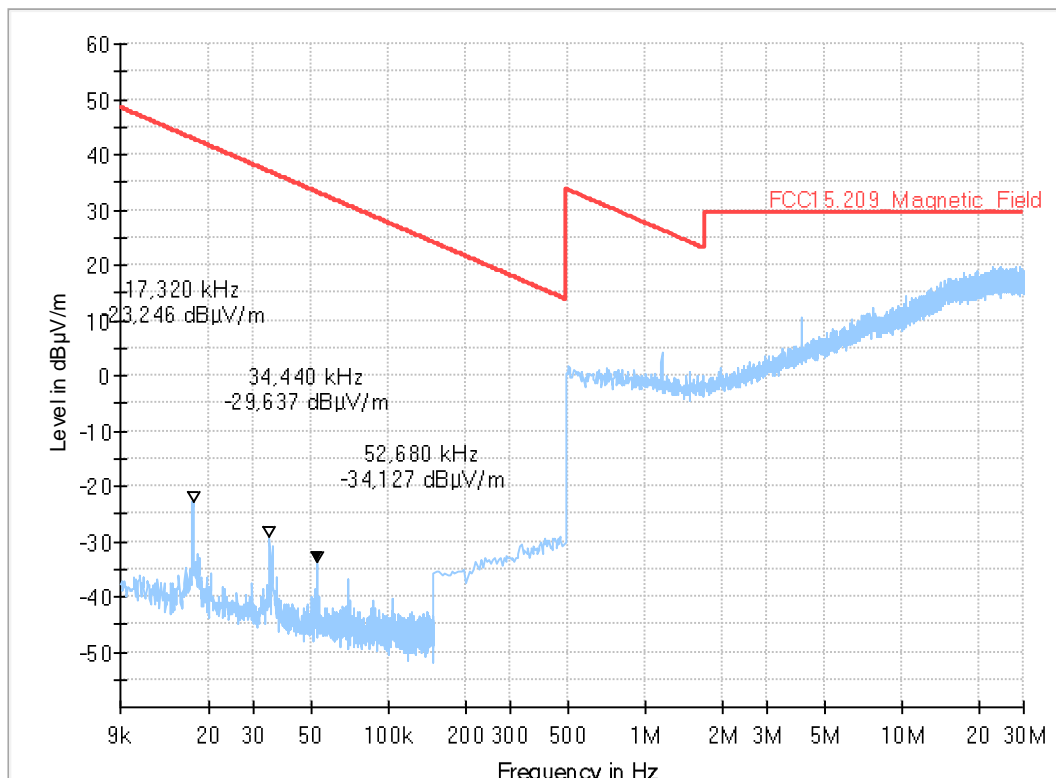
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	a-mode 6Mbps ch40
Environmental Conditions:	Humidity: 44% rH; Temperature: 20.2 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-000398S02_C01
Power:	28 V DC

Full Spectrum



2.04_a-mode_6Mbps_ch48

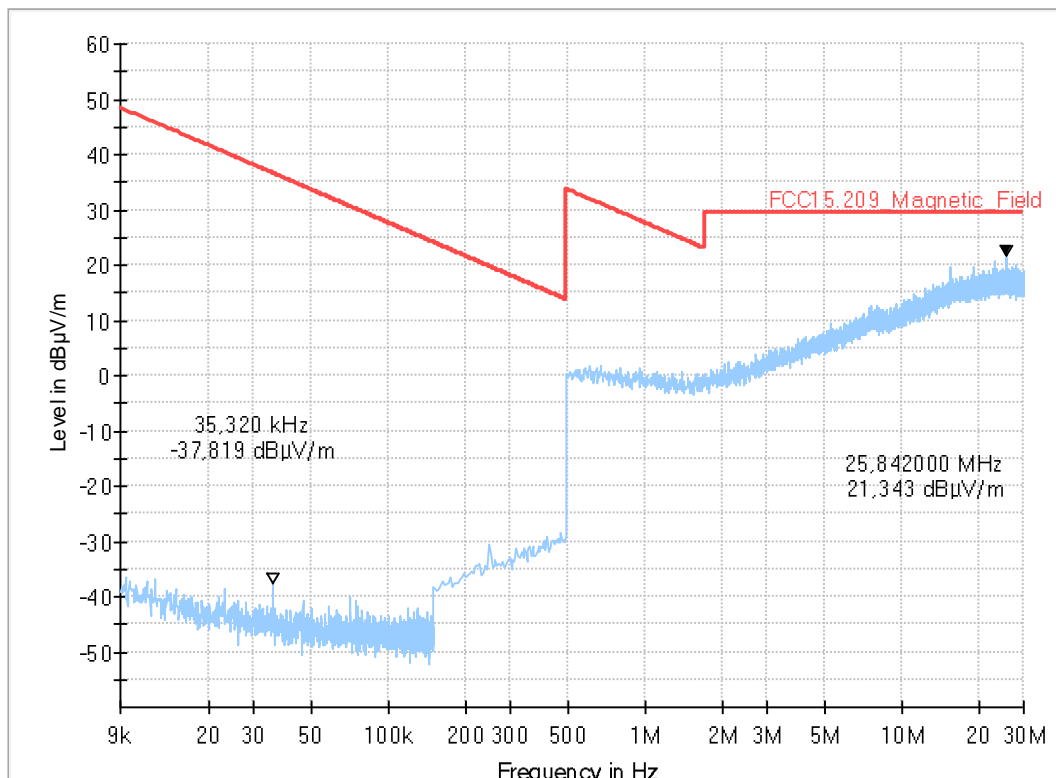
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	TFra / PSt
Operating Mode:	a-mode 6Mbps ch48
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.05_n40-mode_MCS0_ch38

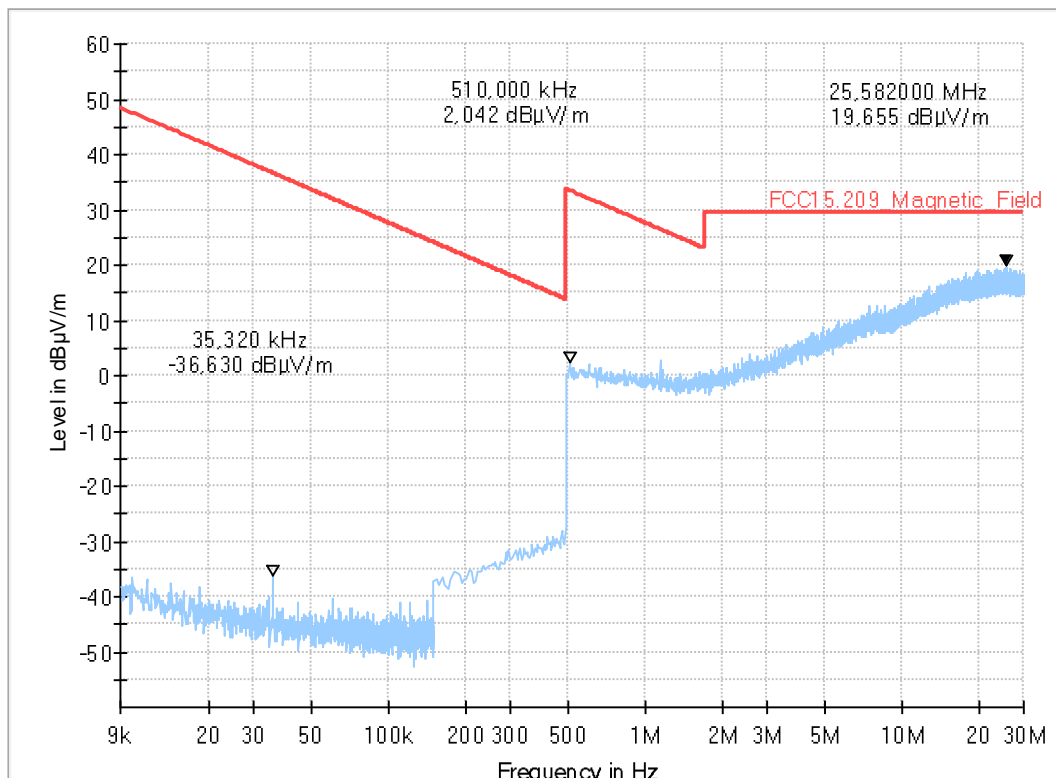
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	TFra / PSt
Operating Mode:	n-mode HT40 MCS0 ch38
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.06_n40-mode_MCS0_ch46

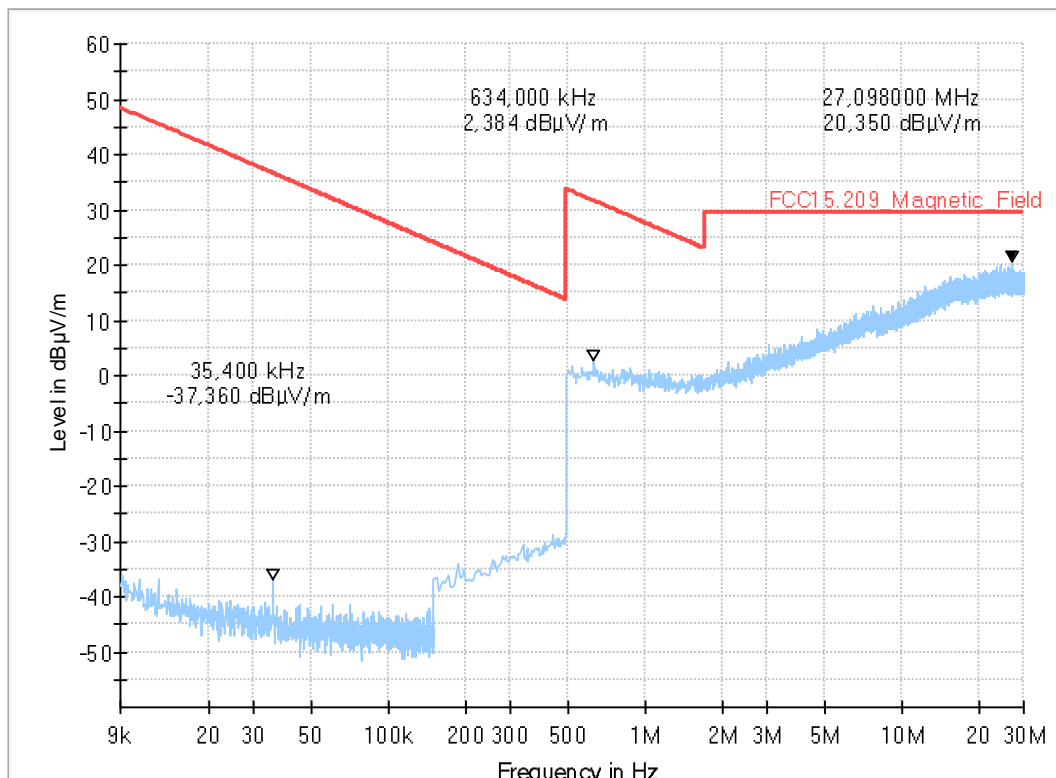
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	TFra / PSt
Operating Mode:	n-mode HT40 MCS0 ch46
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.07_n20-MIMO_MCS8_ch36

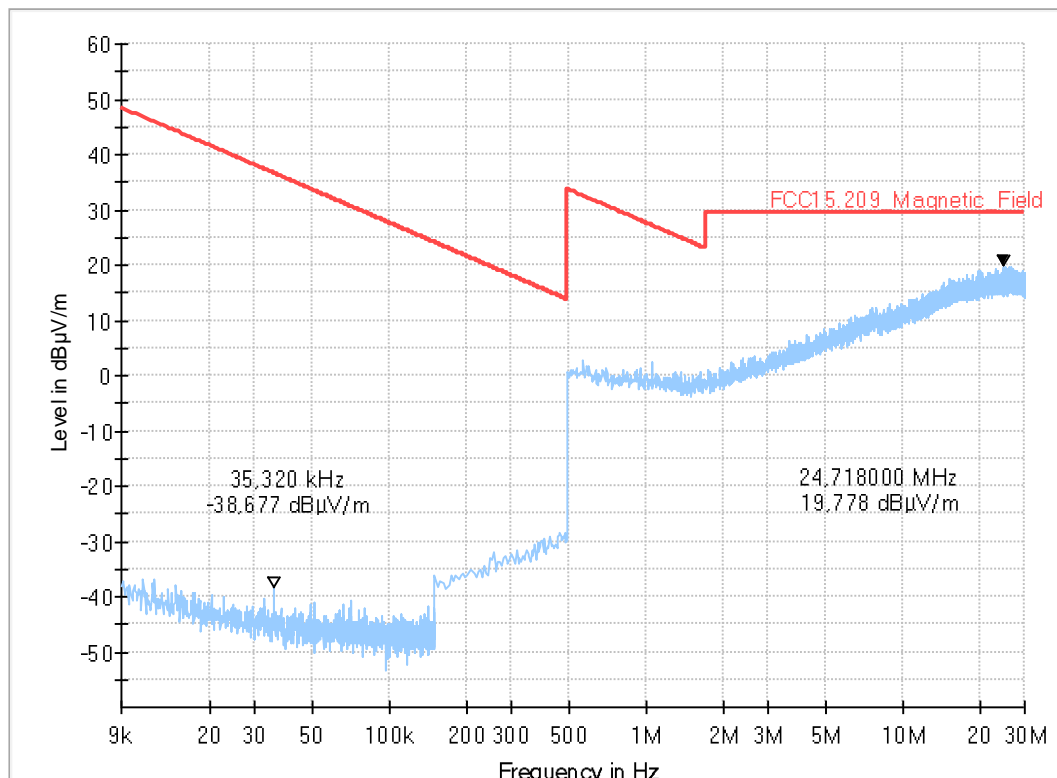
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	n-MIMO HT20 MCS8 ch36
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.08_n20-MIMO_MCS8_ch40

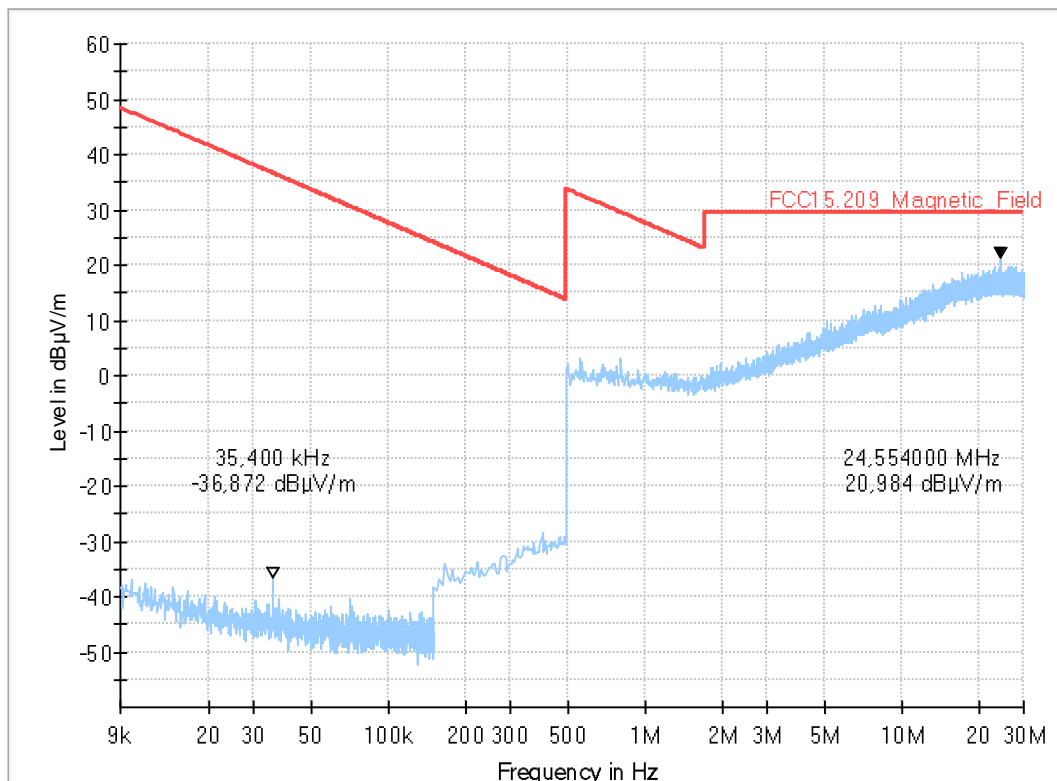
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	n-MIMO HT20 MCS8 ch40
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.09_n20-MIMO_MCS8_ch48

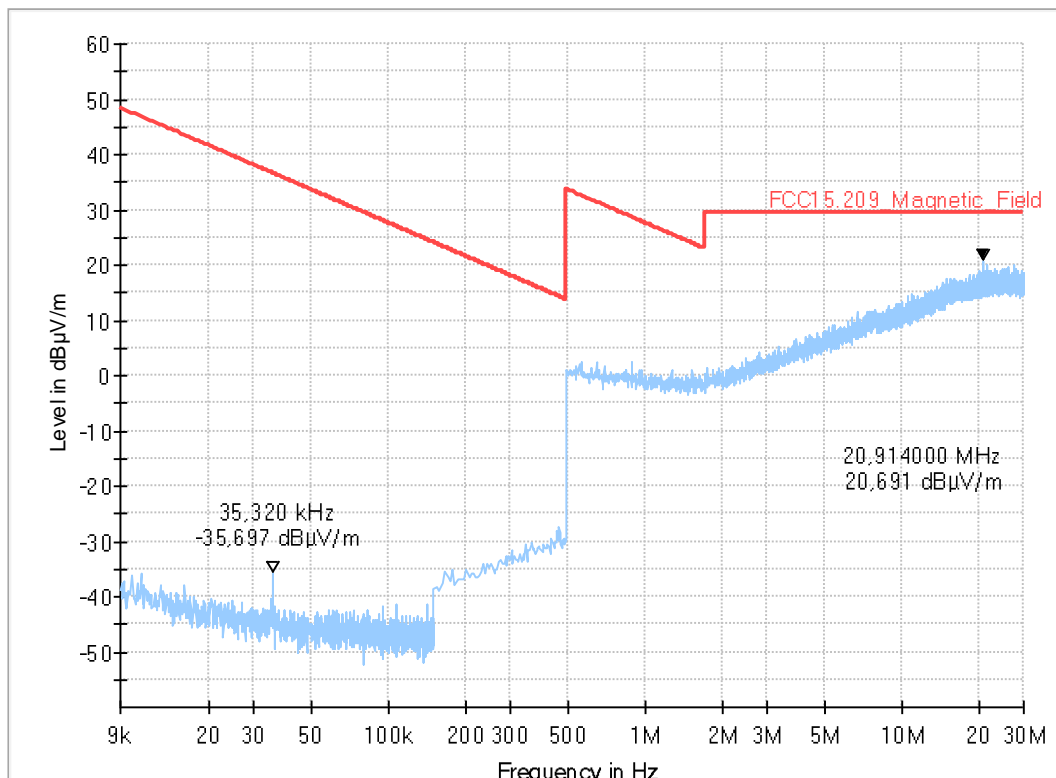
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	n-MIMO HT20 MCS8 ch48
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.10_n40-MIMO_MCS8_ch38

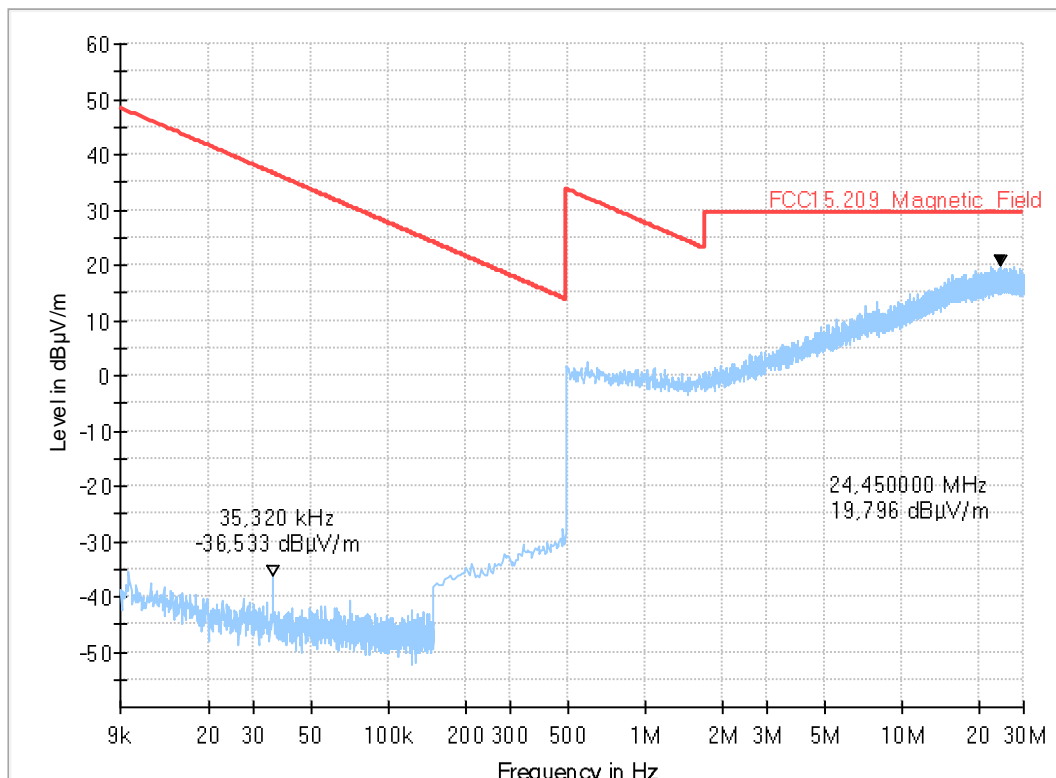
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	n-MIMO HT40 MCS8 ch38
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



2.11_n40-MIMO_MCS8_ch46

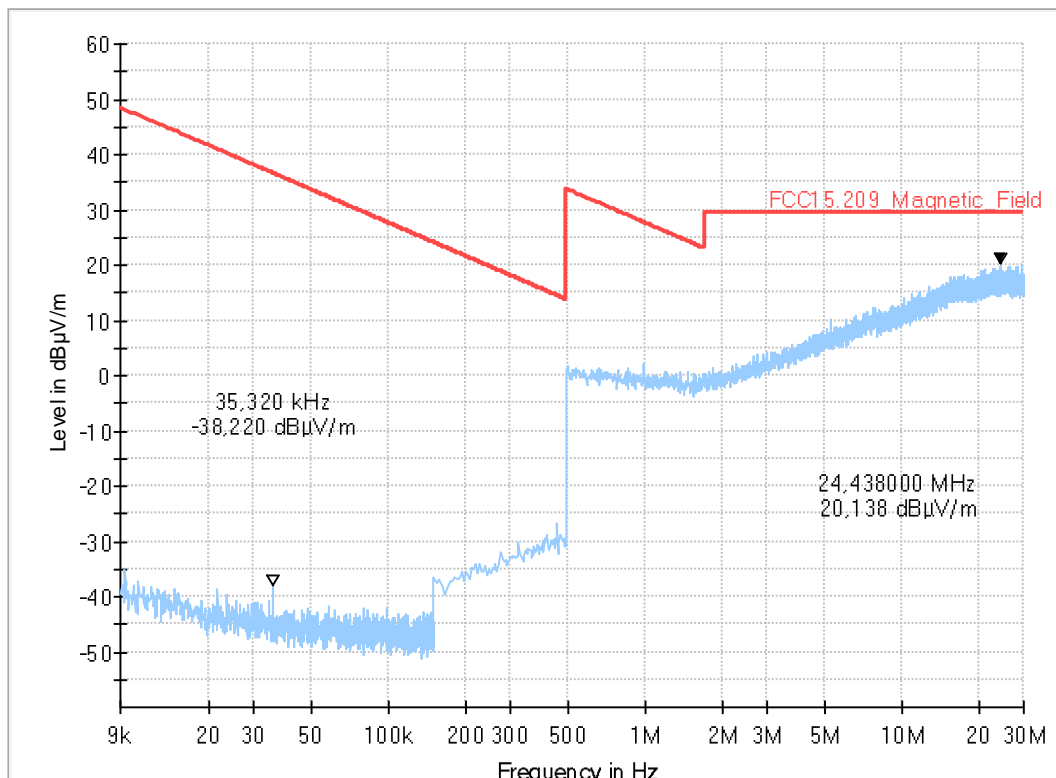
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC3) 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:	PSt
Operating Mode:	n-MIMO HT40 MCS8 ch46
Environmental Conditions:	Humidity: 50% rH; Temperature: 22.9 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC

Full Spectrum



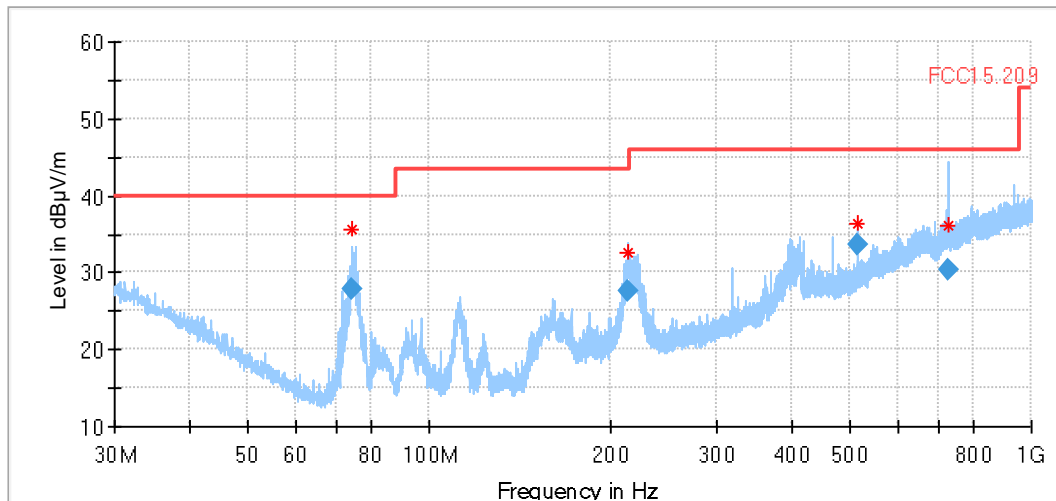
3.01_a-mode_6Mbps_ch36_lying

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetekom advanced GmbH (Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 52% rH; Temperature: 22.8 °C
Operator Name:	SOz
EUT:	1
Operating Mode:	a-mode 6Mbps ch36 lying
Comment:	Channel no. 36
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)
74.550000	27.90	40.00	12.10	120.000	168.0	V	284.0	6.4	0.0
214.166000	27.48	43.50	16.02	120.000	105.0	V	86.0	11.4	0.0
515.906000	33.59	46.00	12.41	120.000	152.0	V	214.0	20.7	0.0
726.398000	30.46	46.00	15.54	120.000	202.0	V	244.0	25.1	0.0

3.02_a-mode_6Mbps_ch36_standing

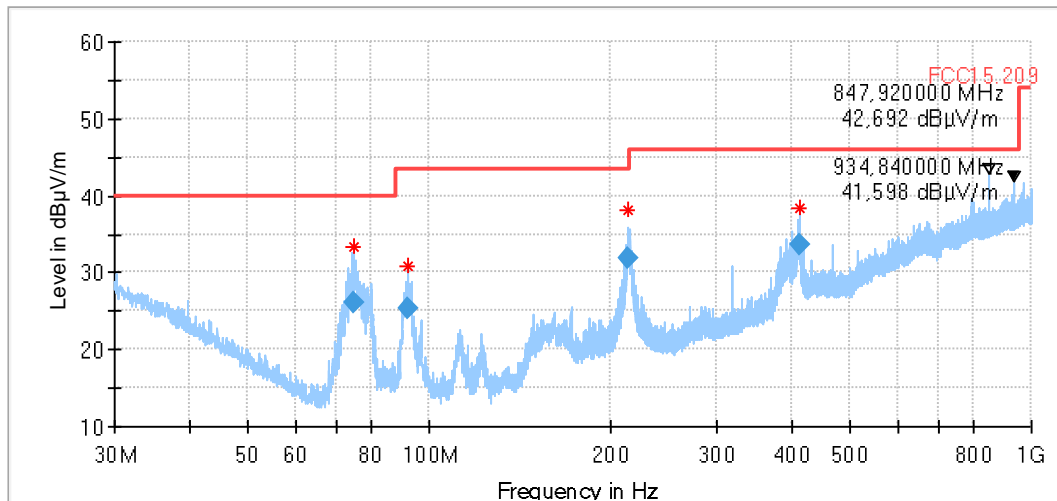
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: SOz
 EUT: 1
 Operating Mode: a-mode | 6Mbps | ch36 | standing
 Comment: Channel no. 36
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 847.92 and 934.84 MHz are outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)
75.070000	26.00	40.00	14.00	120.000	150.0	V	155.0	6.4	0.0
92.106000	25.30	43.50	18.20	120.000	126.0	V	52.0	7.9	0.0
213.990000	31.84	43.50	11.66	120.000	164.0	H	82.0	11.4	0.0
412.030000	33.56	46.00	12.44	120.000	201.0	V	44.0	19.3	0.0

3.03_a-mode_6Mbps_ch40

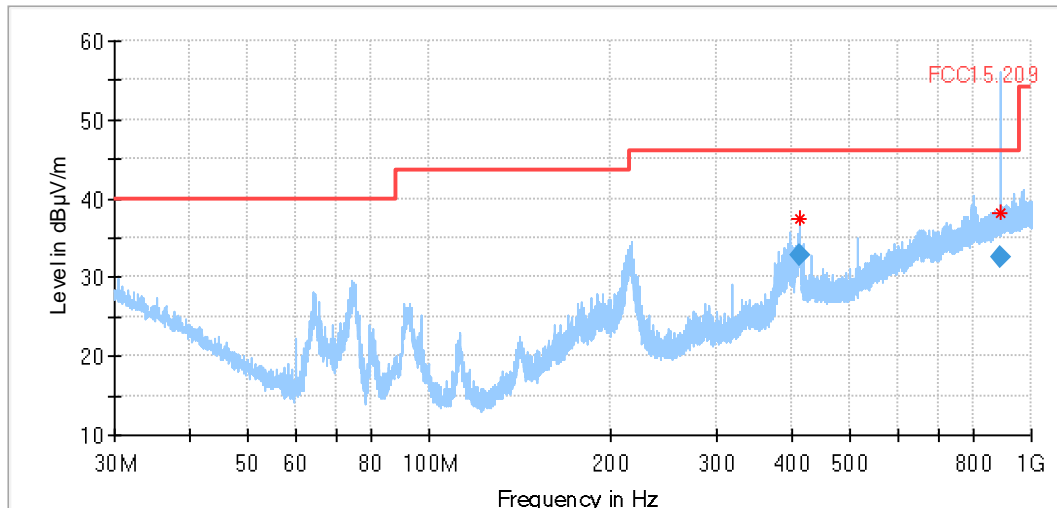
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetekom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: SOz
 EUT: 1
 Operating Mode: a-mode | 6Mbps | ch40
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 890.57 MHz is outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)
412.834000	32.86	46.00	13.14	120.000	100.0	H	126.0	19.3	0.0
890.578000	32.67	46.00	13.33	120.000	291.0	H	218.0	27.1	0.0

3.04_a-mode_6Mbps_ch48

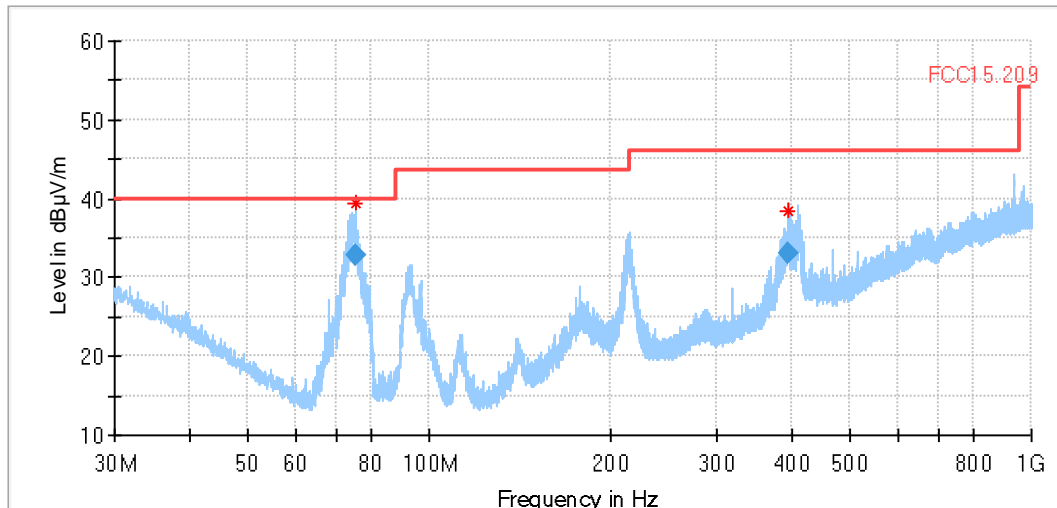
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: PSt
 EUT: 1
 Operating Mode: a-mode | 6Mbps | ch48
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)
75.234000	32.70	40.00	7.30	120.000	121.0	V	60.0	6.4	0.0
394.114000	33.03	46.00	12.97	120.000	160.0	V	8.0	19.5	0.0

3.05_n40-mode_MCS0_ch38

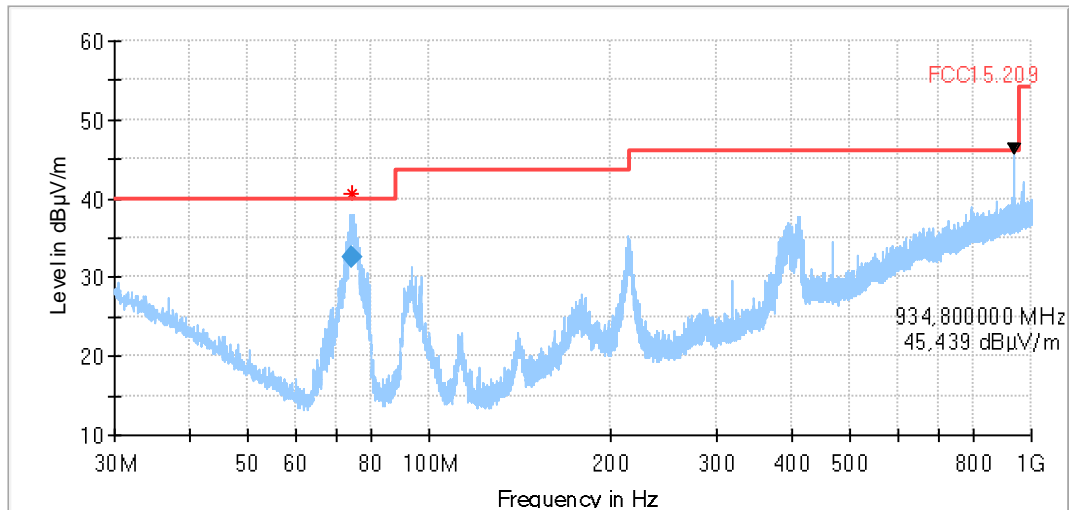
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: PSt
 EUT: 1
 Operating Mode: n-mode | HT40 | MCS0 | ch38
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 934.80 MHz is outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)
74.490000	32.52	40.00	7.48	120.000	141.0	V	87.0	6.4	0.0

3.06_n40-mode_MCS0_ch46

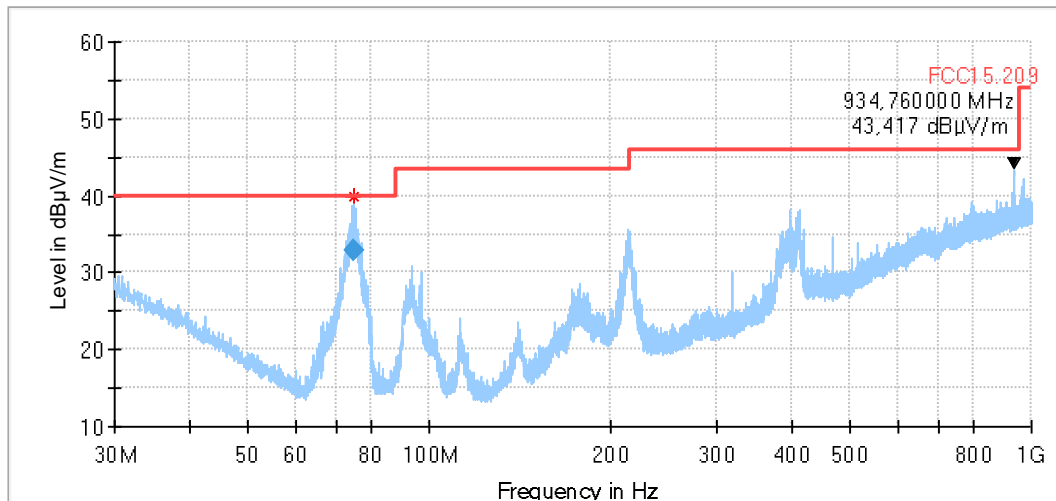
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: SOz
 EUT: 1
 Operating Mode: n-mode | HT40 | MCS0 | ch46
 Comment: Channel no. 46
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 934.76 MHz is outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Sig Path (dB)
74.882000	32.84	40.00	7.16	120.000	134.0	V	37.0	6.4	0.0

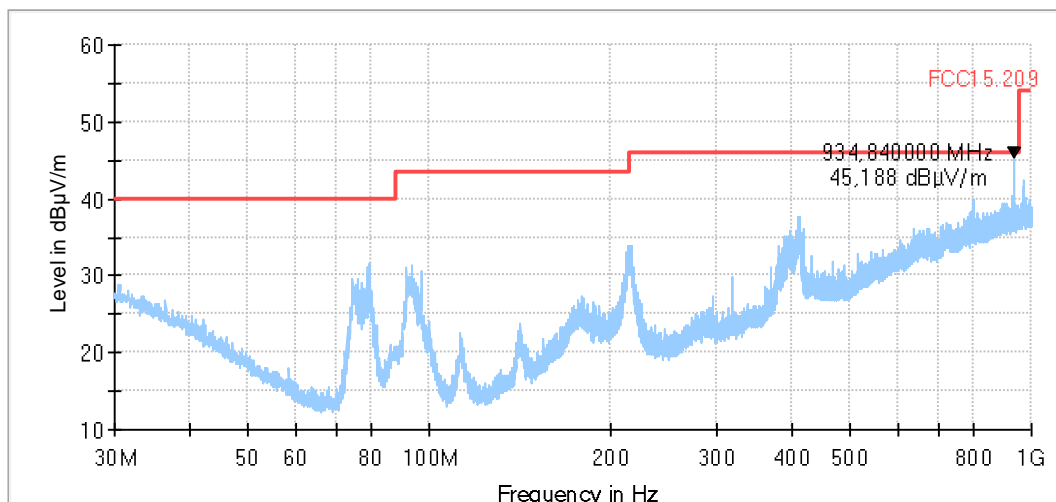
3.07_n20-MIMO_MCS8_ch36

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	cetecom advanced GmbH (Essen)
Test Standard:	FCC 15.205&15.209 & RSS Gen. Issue 5
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity: 52% rH; Temperature: 22.8 °C
Operator Name:	SOz
EUT:	1
Operating Mode:	n-MIMO HT20 MCS8 ch36
Comment:	Channel no. 36
Verdict:	Passed

EUT Information

PMT number:	24-1-00398S02_C01
Power:	28 V DC



Remark: Emission at 934.84 MHz is outside from chamber and not related to results.

3.08_n20-MIMO_MCS8_ch40

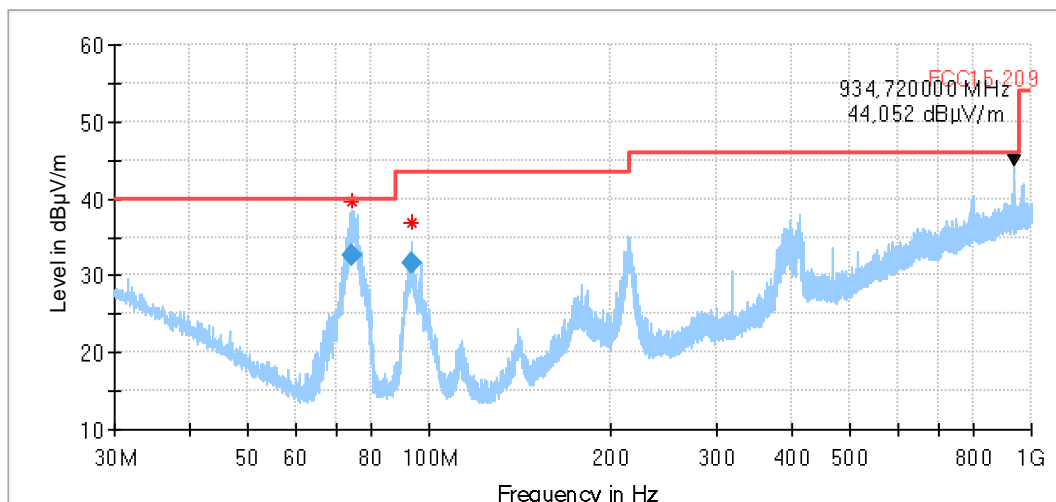
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetekom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: SOz
 EUT: 1
 Operating Mode: n-MIMO | HT20 | MCS8 | ch40
 Comment: Channel no. 40
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 934.72 MHz is outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.282000	32.51	40.00	7.49	120.000	119.0	V	46.0	6.4
93.662000	31.51	43.50	11.99	120.000	121.0	V	62.0	7.8

3.09_n20-MIMO_MCS8_ch48

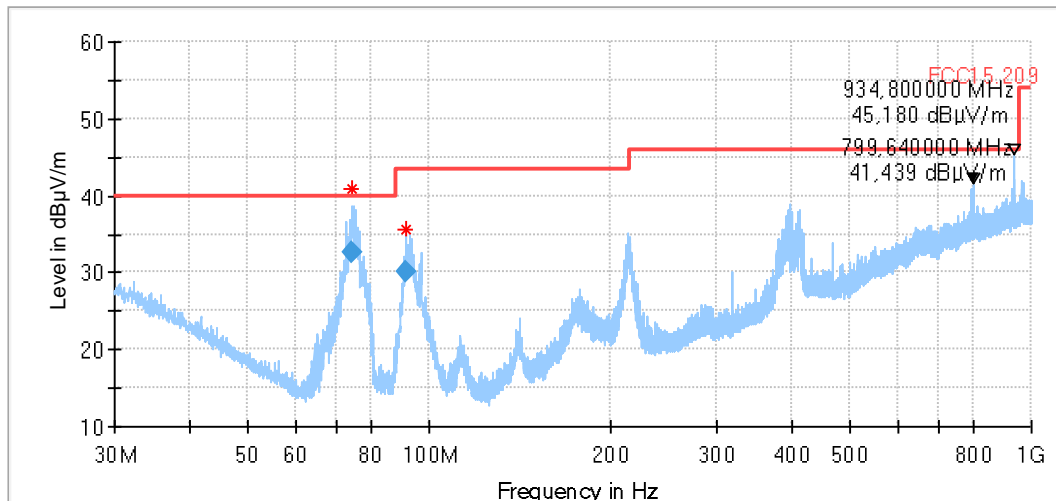
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: SOz / PShin
 EUT: 1
 Operating Mode: n-MIMO | HT20 | MCS8 | ch48
 Comment: Channel no. 48
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 799.64 and 934.80 MHz are outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.354000	32.55	40.00	7.45	120.000	118.0	V	61.0	6.4
91.746000	30.05	43.50	13.45	120.000	109.0	V	68.0	7.9

3.10_n40-MIMO_MCS8_ch38

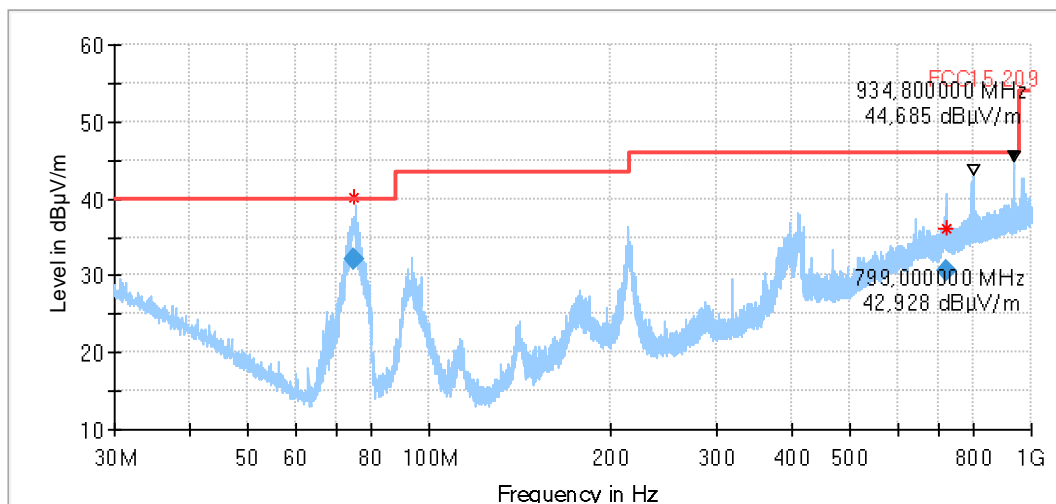
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetekom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: PShin
 EUT: 1
 Operating Mode: n-MIMO | HT40 | MCS8 | ch38
 Comment: Channel no. 38
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 799.00 and 934.80 MHz are outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
75.198000	32.08	40.00	7.92	120.000	137.0	V	97.0	6.4
724.950000	30.52	46.00	15.48	120.000	172.0	H	132.0	25.1

3.11_n40-MIMO_MCS8_ch46

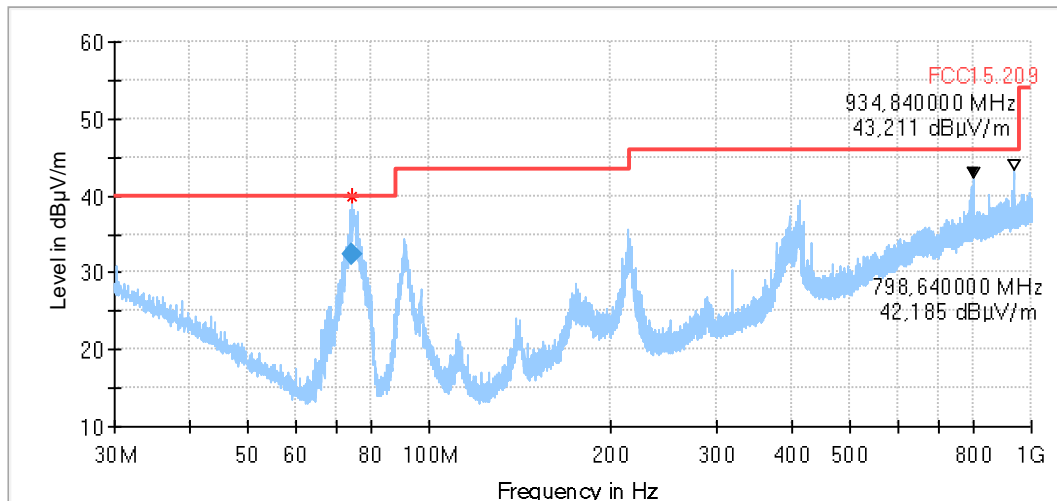
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: cetecom advanced GmbH (Essen)
 Test Standard: FCC 15.205&15.209 & RSS Gen. Issue 5
 Antenna polarisation: horizontal/vertical

 Environmental Conditions: Humidity: 52% rH; Temperature: 22.8 °C
 Operator Name: PShin
 EUT: 1
 Operating Mode: n-MIMO | HT40 | MCS8 | ch46
 Comment: Channel no. 46
 Verdict: Passed

EUT Information

PMT number: 24-1-00398S02_C01
 Power: 28 V DC



Remark: Emission at 798.64 and 934.84 MHz are outside from chamber and not related to results.

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.358000	32.25	40.00	7.75	120.000	163.0	V	171.0	6.4

4.01_a-mode_6Mbps_ch36

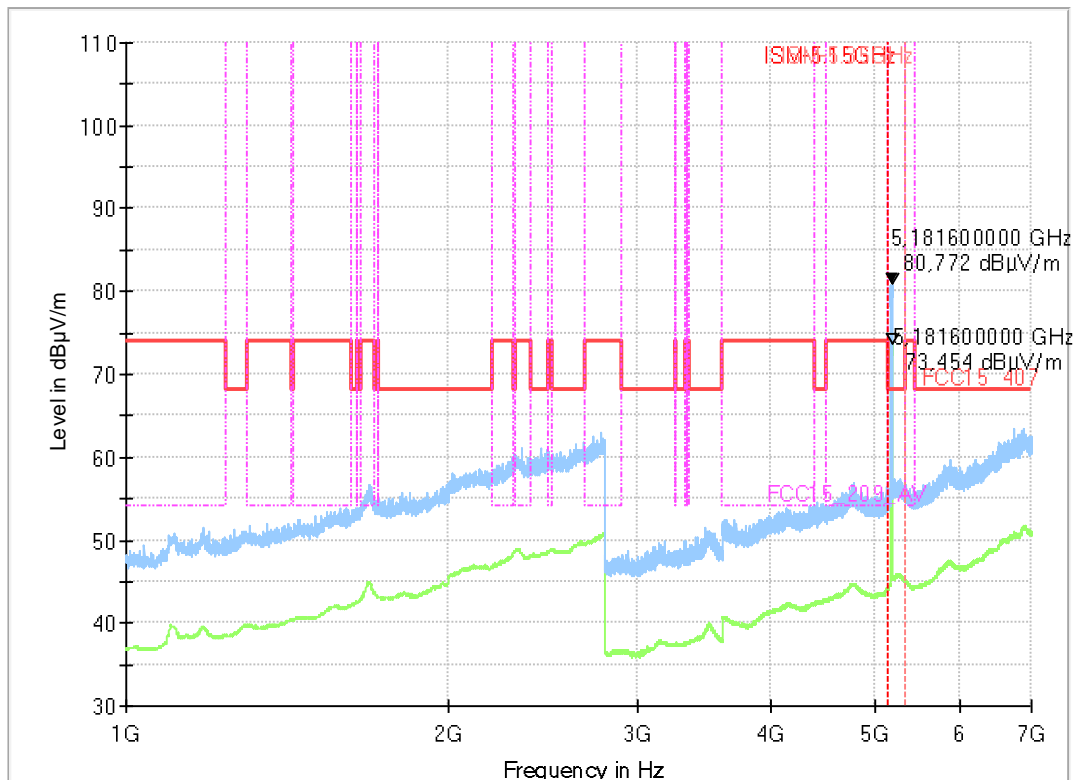
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	a-mode 6Mbps ch36
Operator:	SOz
Comment:	Channel no. 36
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.02_a-mode_6Mbps_ch40

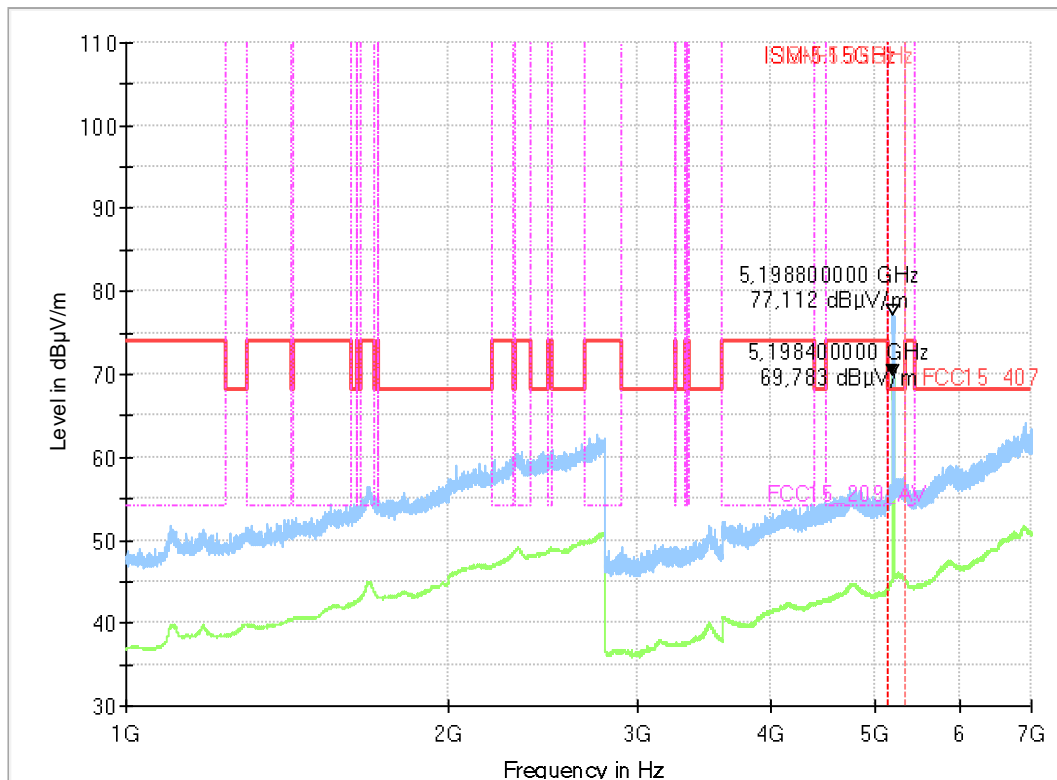
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	a-mode 6Mbps ch40
Operator:	SOz
Comment:	Channel no. 40
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.03_a-mode_6Mbps_ch48

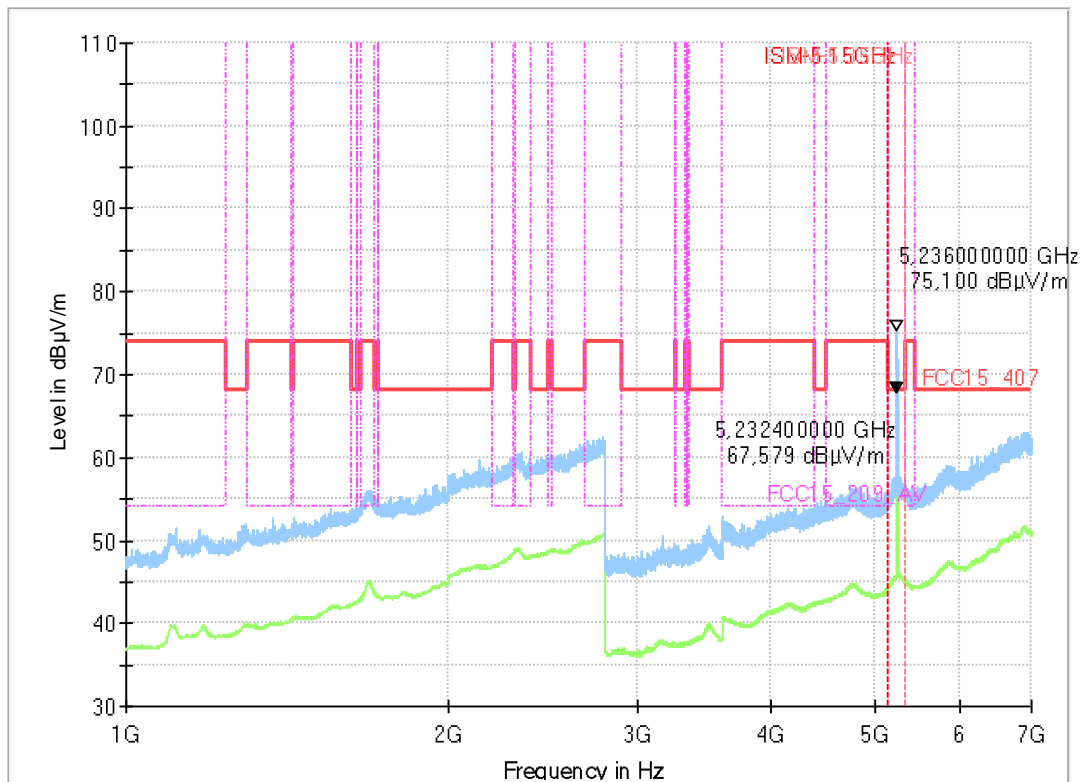
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	a-mode 6Mbps ch48
Operator:	ASa
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.04_n40-mode_MCS0_ch38

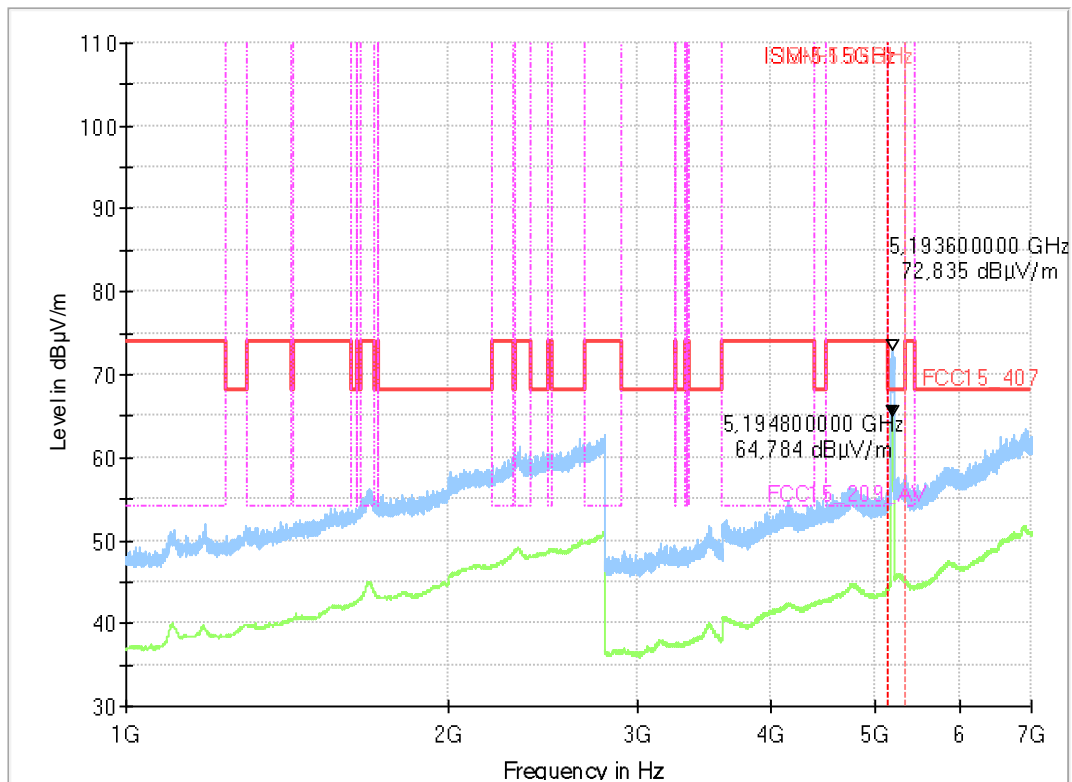
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-mode HT40 MCS0 ch38
Operator:	ASa
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.05_n40-mode_MCS0_ch46

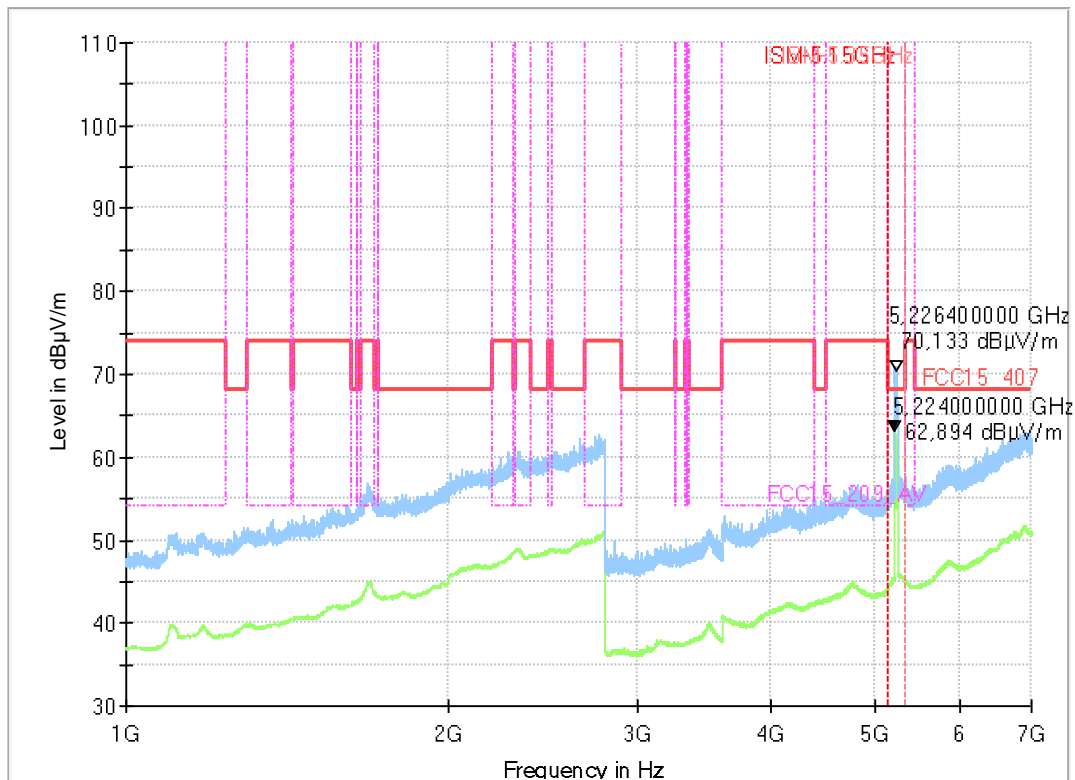
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-mode HT40 MCS0 ch46
Operator:	SOz
Comment:	Channel no. 46
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.06_n20-MIMO_MCS8_ch36

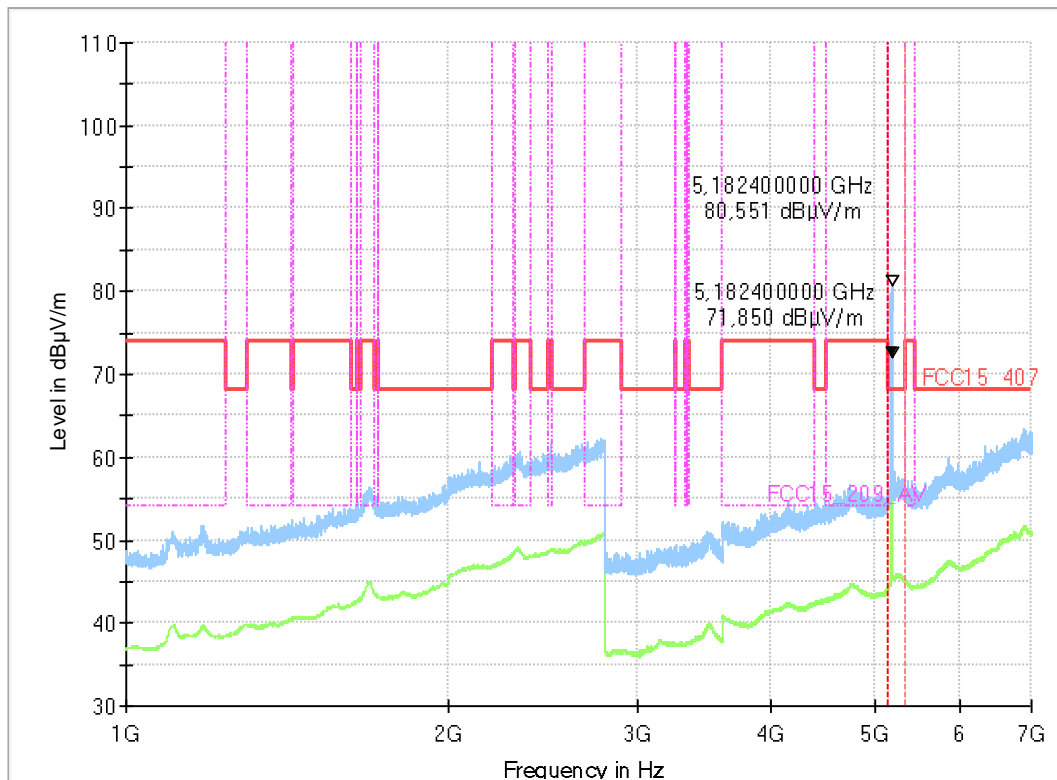
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT20 MCS8 ch36
Operator:	KTe
Comment:	Channel no. 36
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.07_n20-MIMO_MCS8_ch40

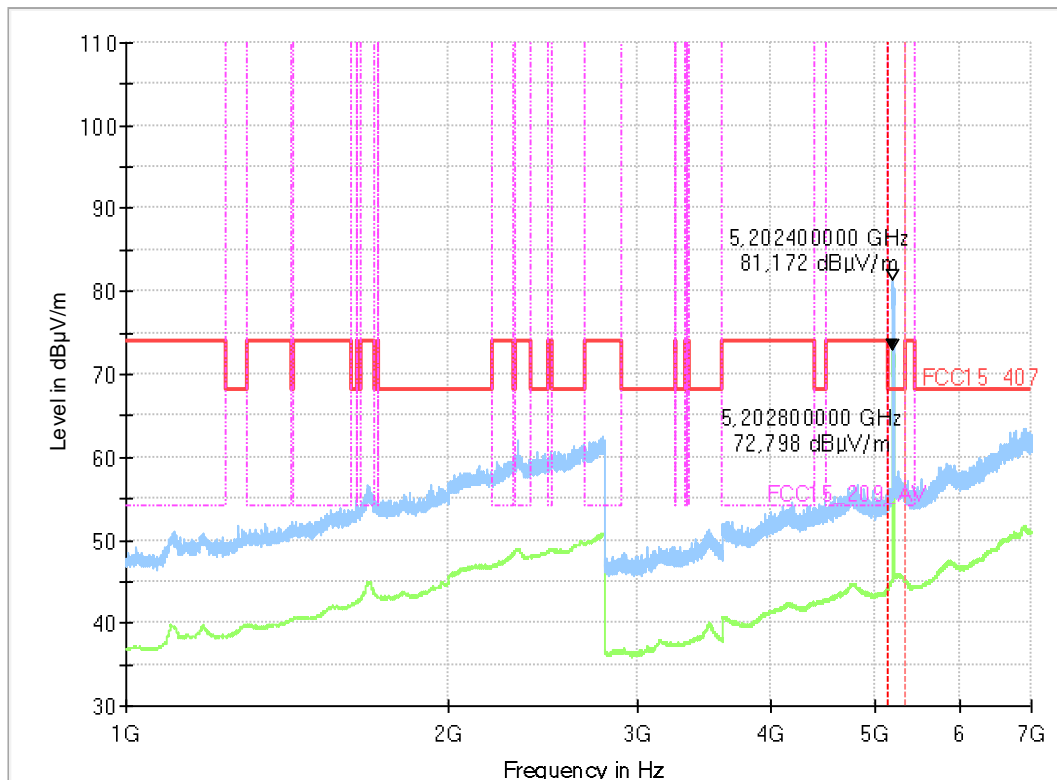
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT20 MCS8 ch40
Operator:	KTe
Comment:	Channel no. 40
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.08_n20-MIMO_MCS8_ch48

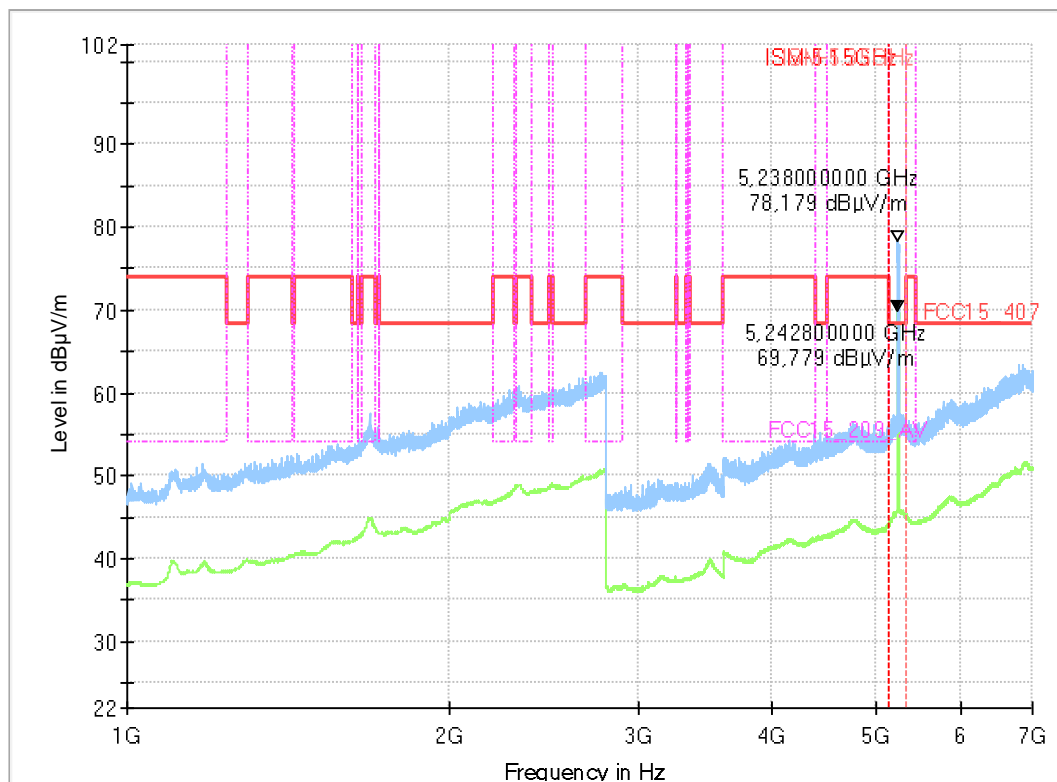
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT20 MCS8 ch48
Operator:	KTe
Comment:	Channel no. 48
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.09_n40-MIMO_MCS8_ch38

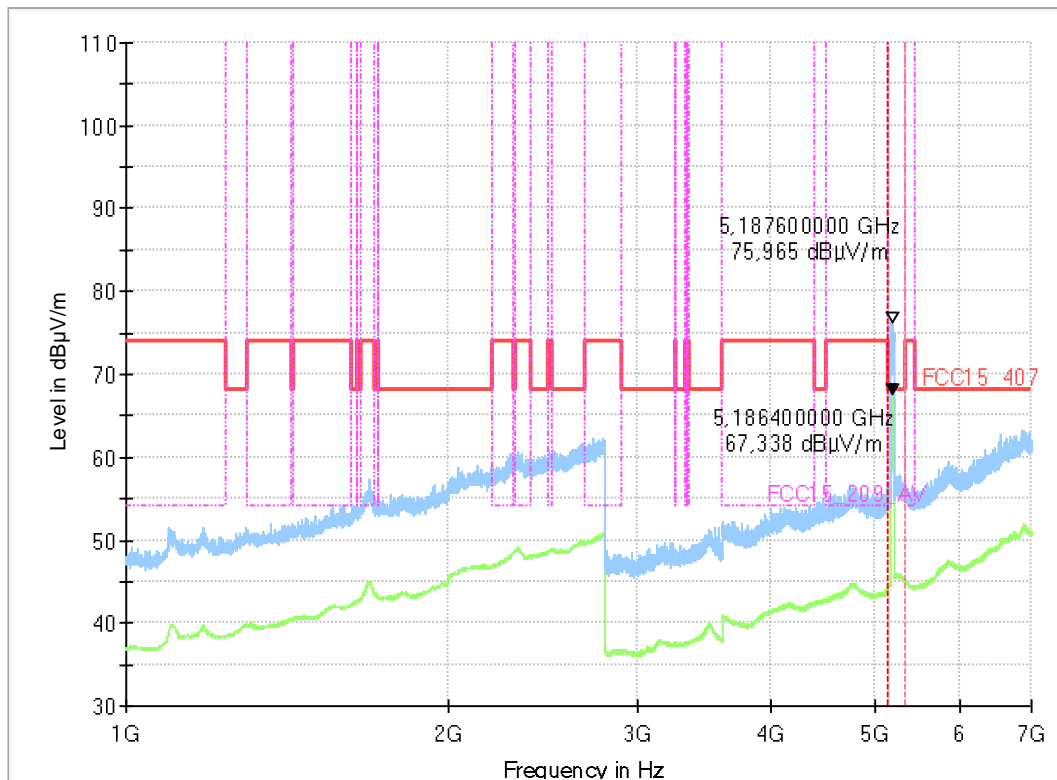
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT40 MCS8 ch38
Operator:	KTe
Comment:	Channel no. 38
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.10_n40-MIMO_MCS8_ch46

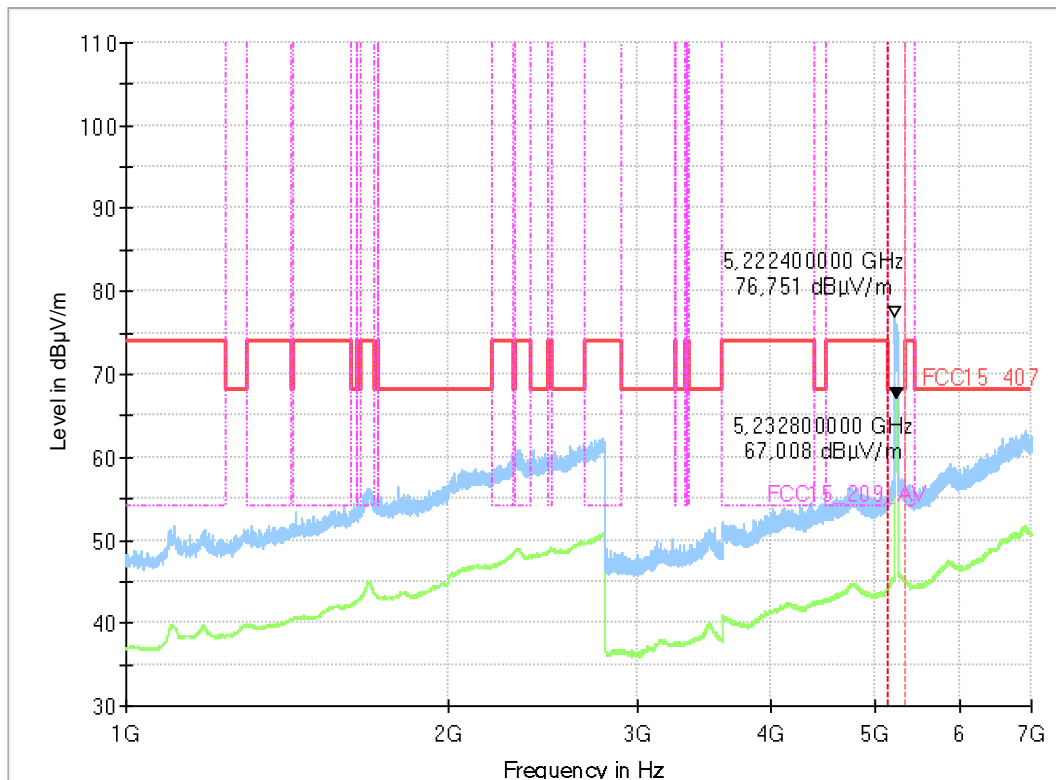
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT40 MCS8 ch46
Operator:	KTe
Comment:	Channel no. 46
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.11_a-mode_6Mbps_ch36

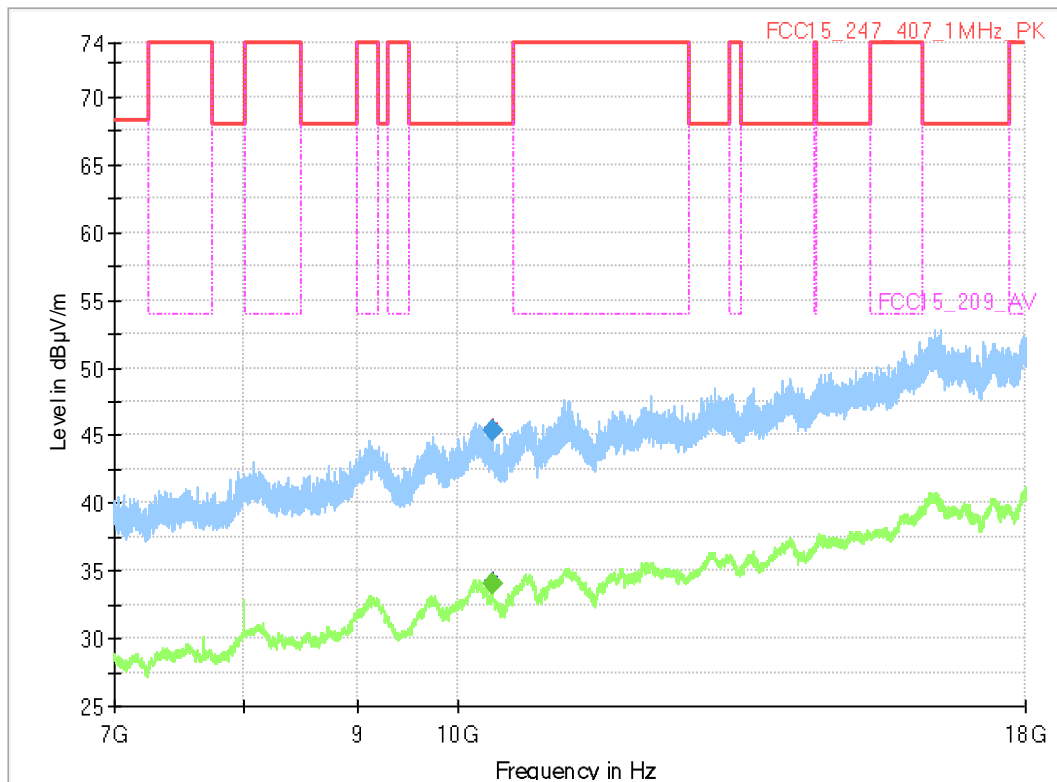
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	a-mode 6Mbps ch36
Operator:	SOz
Comment:	Channel no. 36
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.12_a-mode_6Mbps_ch40

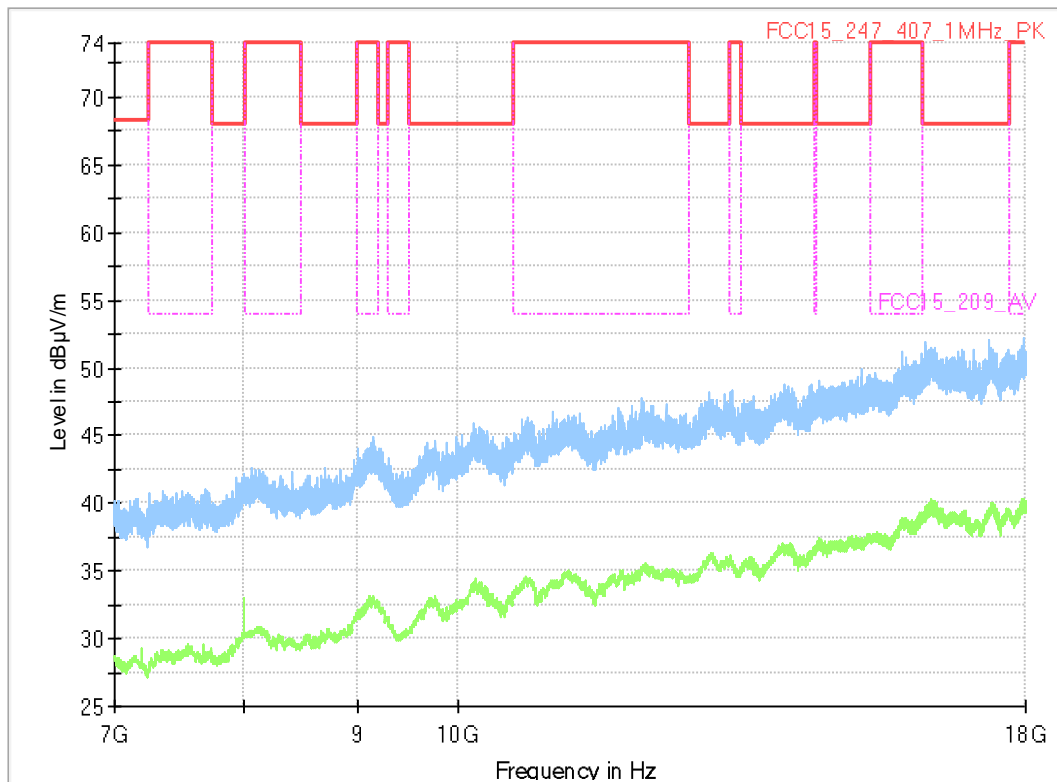
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	a-mode 6Mbps ch40
Operator:	PShin
Comment:	Channel no. 40
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.13_a-mode_6Mbps_ch48

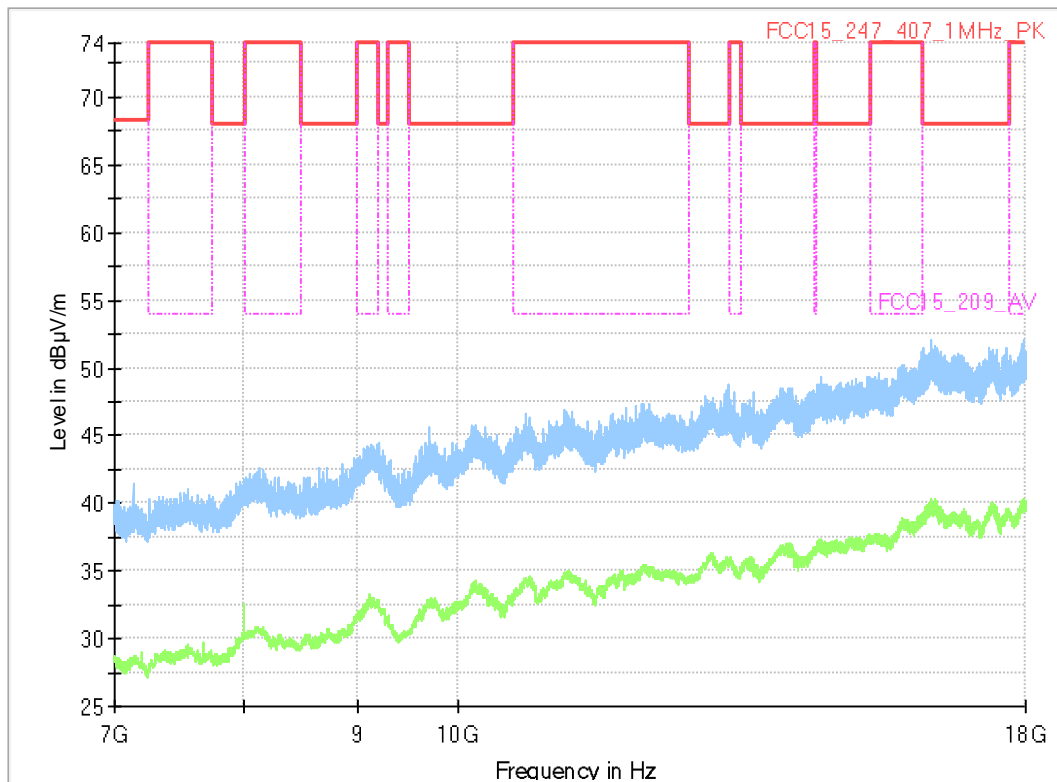
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	a-mode 6Mbps ch48
Operator:	PShin
Comment:	Channel no. 48
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.14_n40-mode_MCS0_ch38

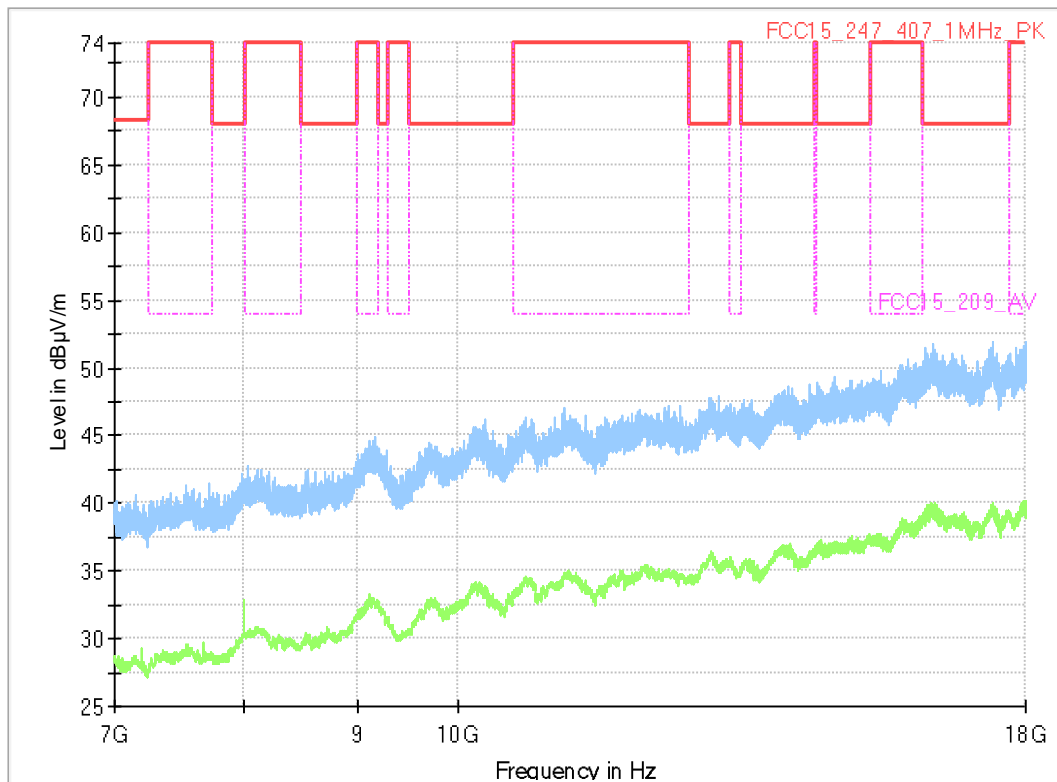
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode HT40 MCS0 ch38
Operator:	PShin
Comment:	Channel no. 38
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.15_n40-mode_MCS0_ch46

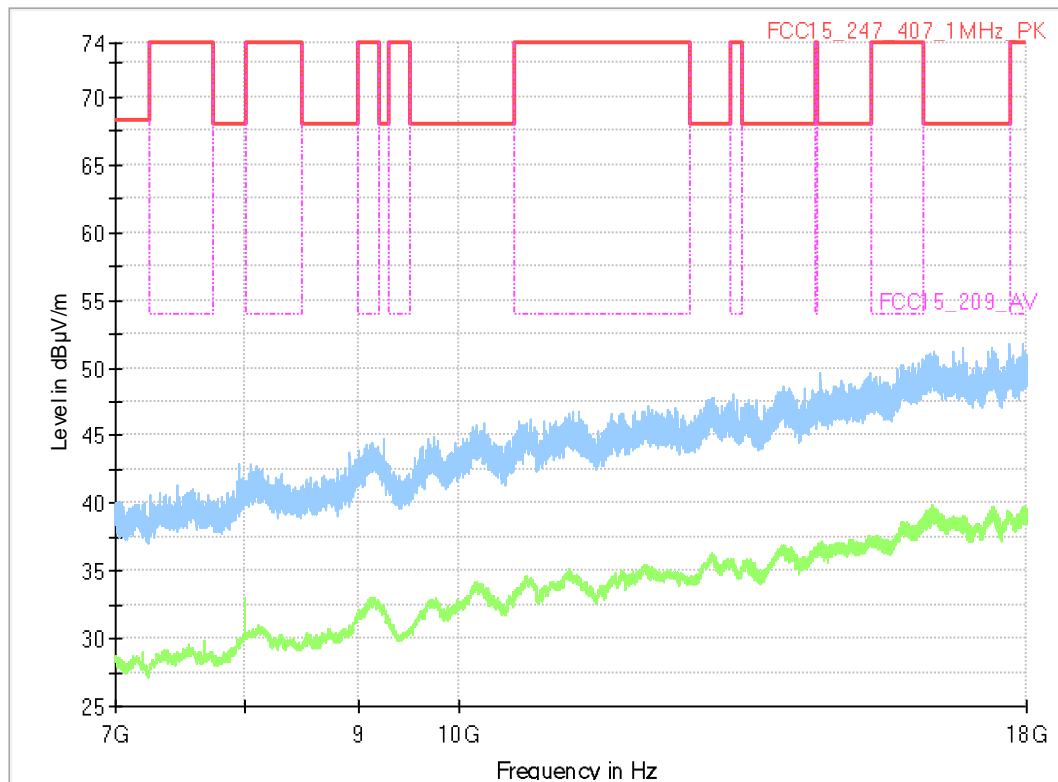
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode HT40 MCS0 ch46
Operator:	PShin/PSt
Comment:	Channel no. 46
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.16_n20-MIMO_MCS8_ch36

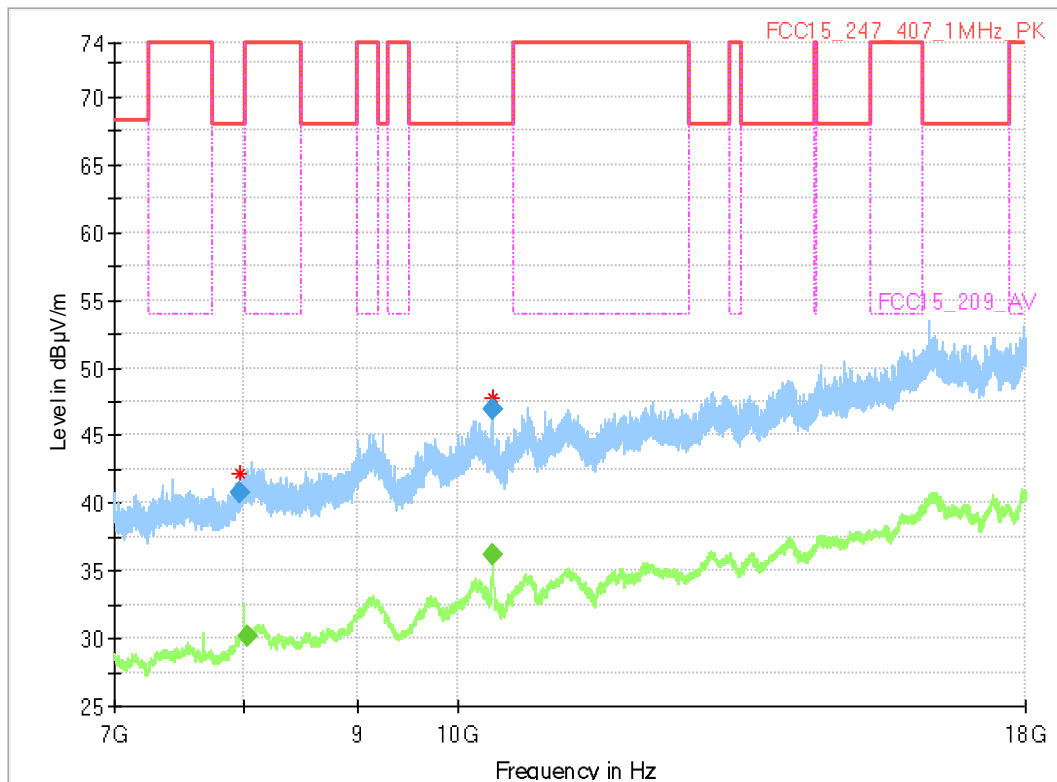
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-MIMO HT20 MCS8 ch36
Operator:	SOz
Comment:	Channel no. 36
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.17_n20-MIMO_MCS8_ch40

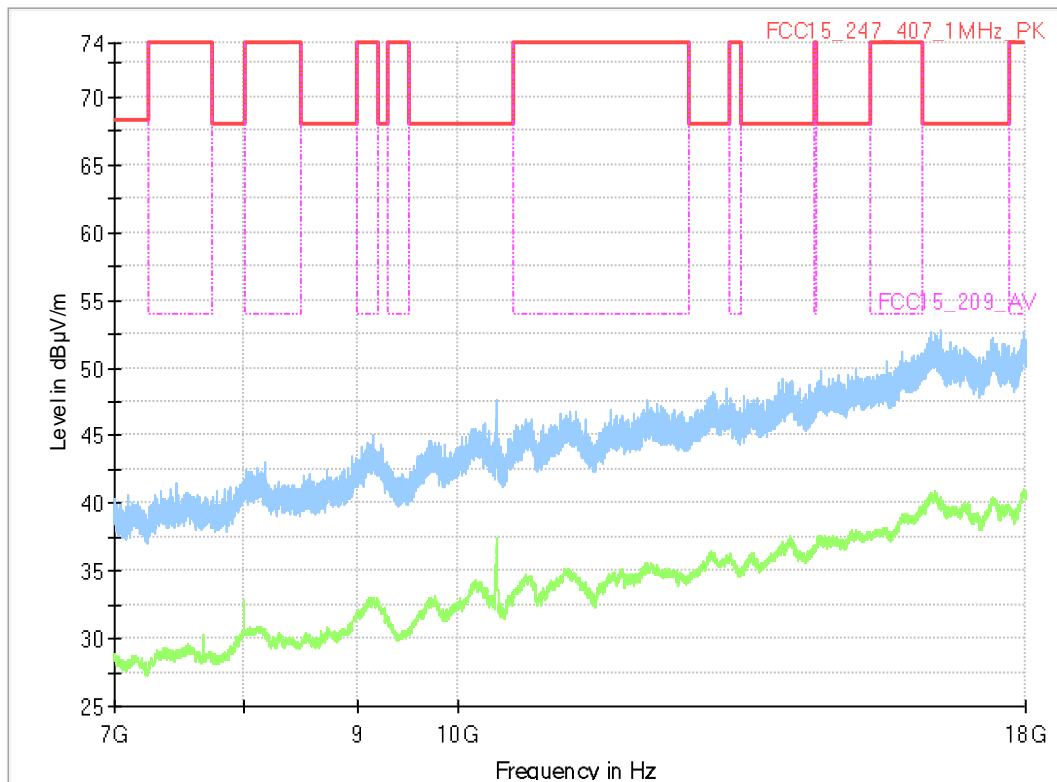
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-MIMO HT20 MCS8 ch40
Operator:	Leic
Comment:	Channel no. 40
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.18_n20-MIMO_MCS8_ch48

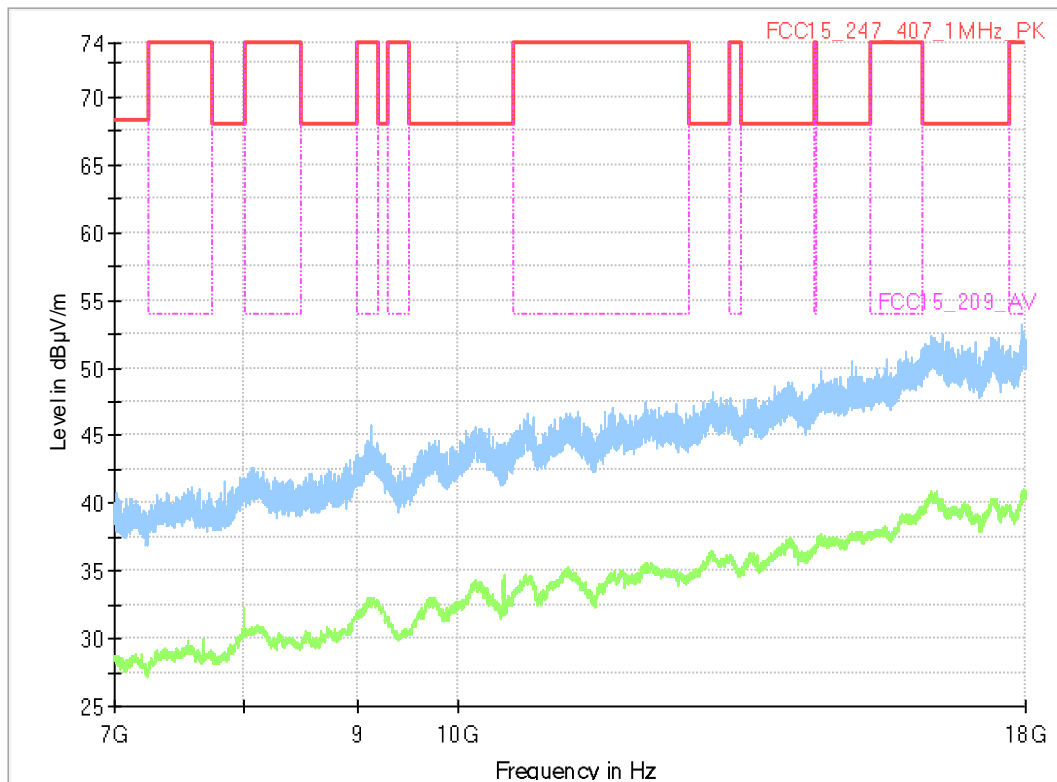
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-MIMO HT20 MCS8 ch48
Operator:	Leic
Comment:	Channel no. 48
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.19_n40-MIMO_MCS8_ch38

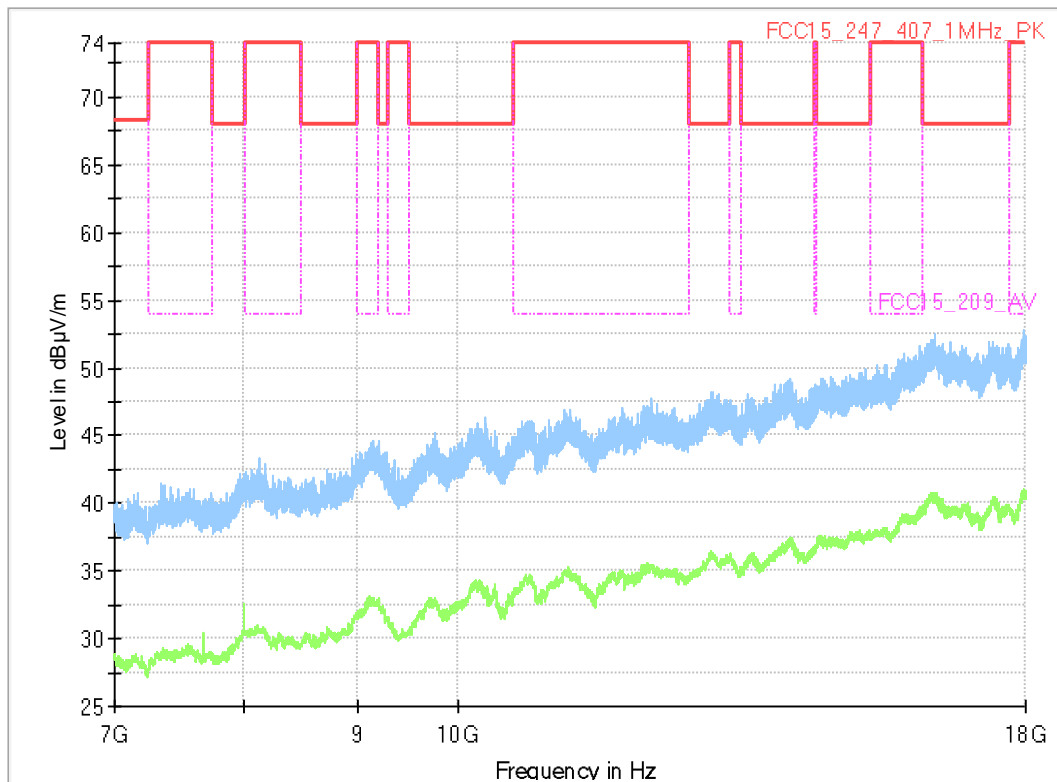
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-MIMO HT40 MCS8 ch38
Operator:	PShin
Comment:	Channel no. 38
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.20_n40-MIMO_MCS8_ch46

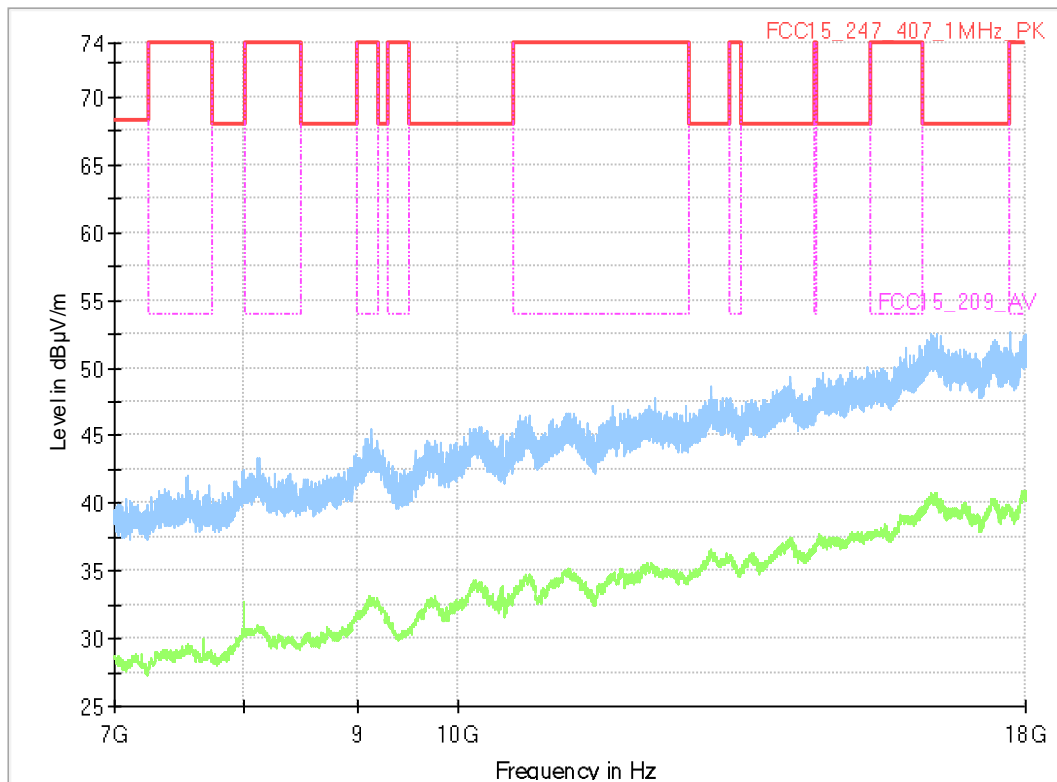
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-MIMO HT40 MCS8 ch46
Operator:	PShin/KTe
Comment:	Channel no. 46
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



4.21_a-mode_6Mbps_ch36_Lying

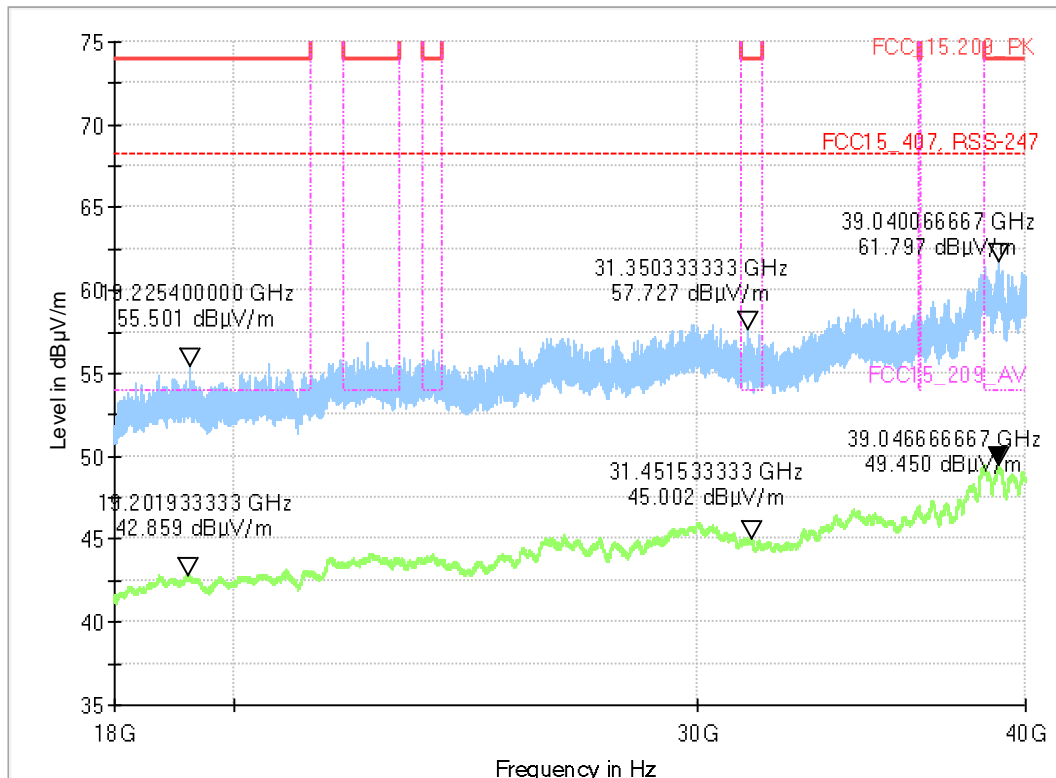
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetekom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	a-mode 6Mbps ch36
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz / PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.22_a-mode_6Mbps_ch36_Standing

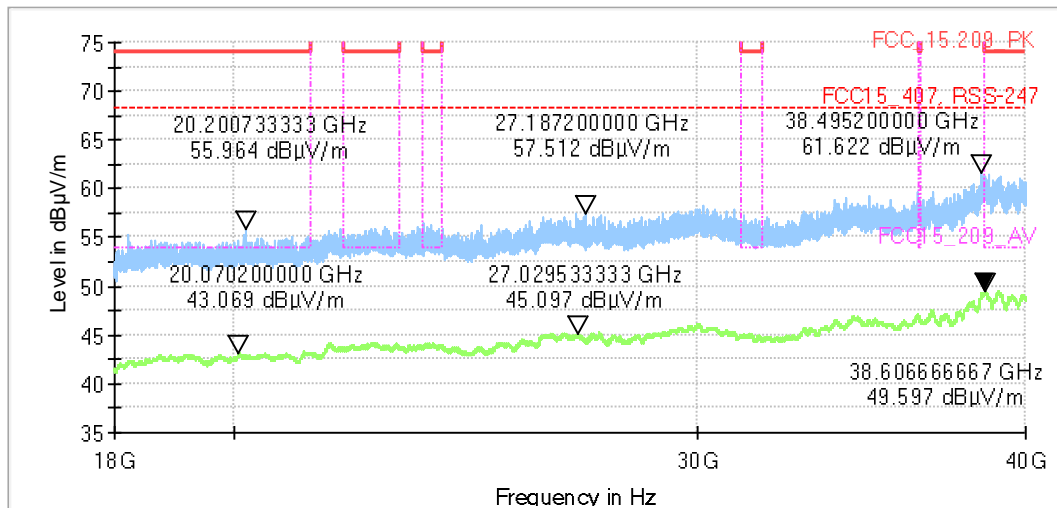
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	a-mode 6Mbps ch36
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	TFra
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.23_a-mode_6Mbps_ch40_Lying

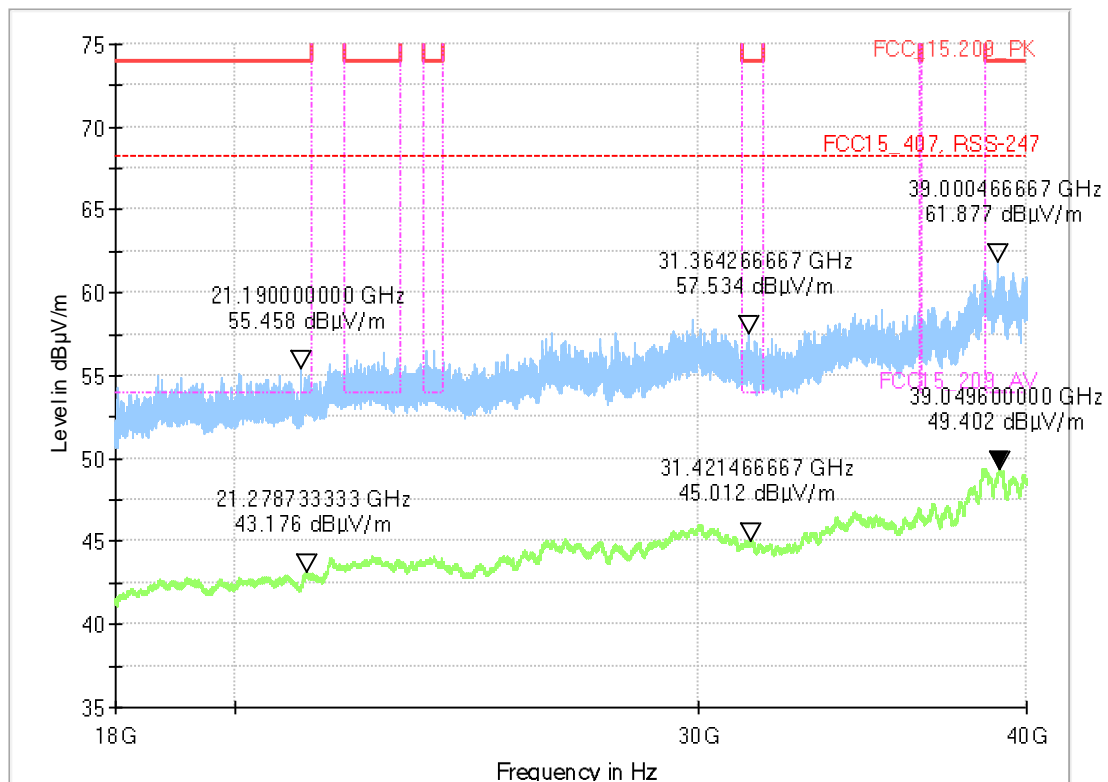
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	a-mode 6Mbps ch40
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	MNU / PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.24_a-mode_6Mbps_ch40_Standing

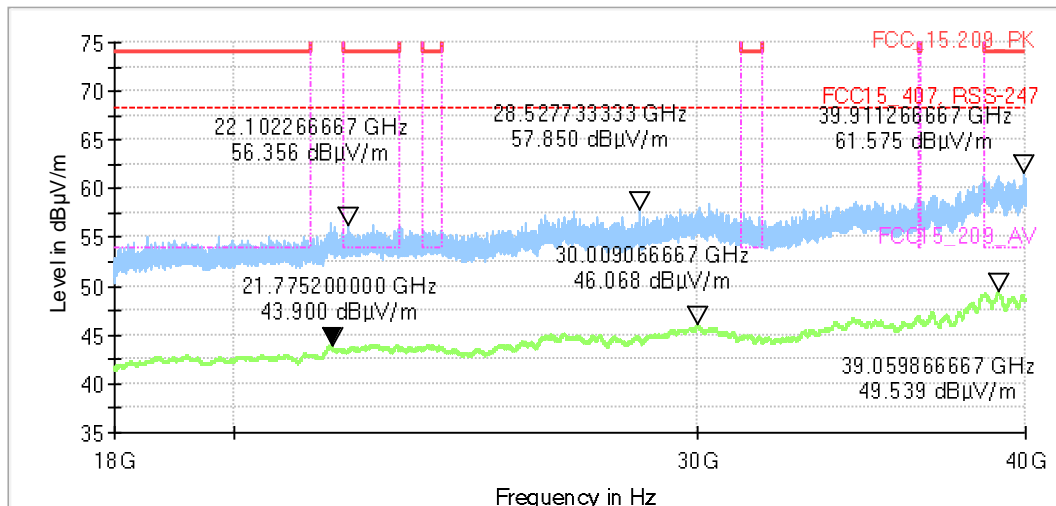
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	a-mode 6Mbps ch40
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	TFra
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.25_a-mode_6Mbps_ch48_Lying

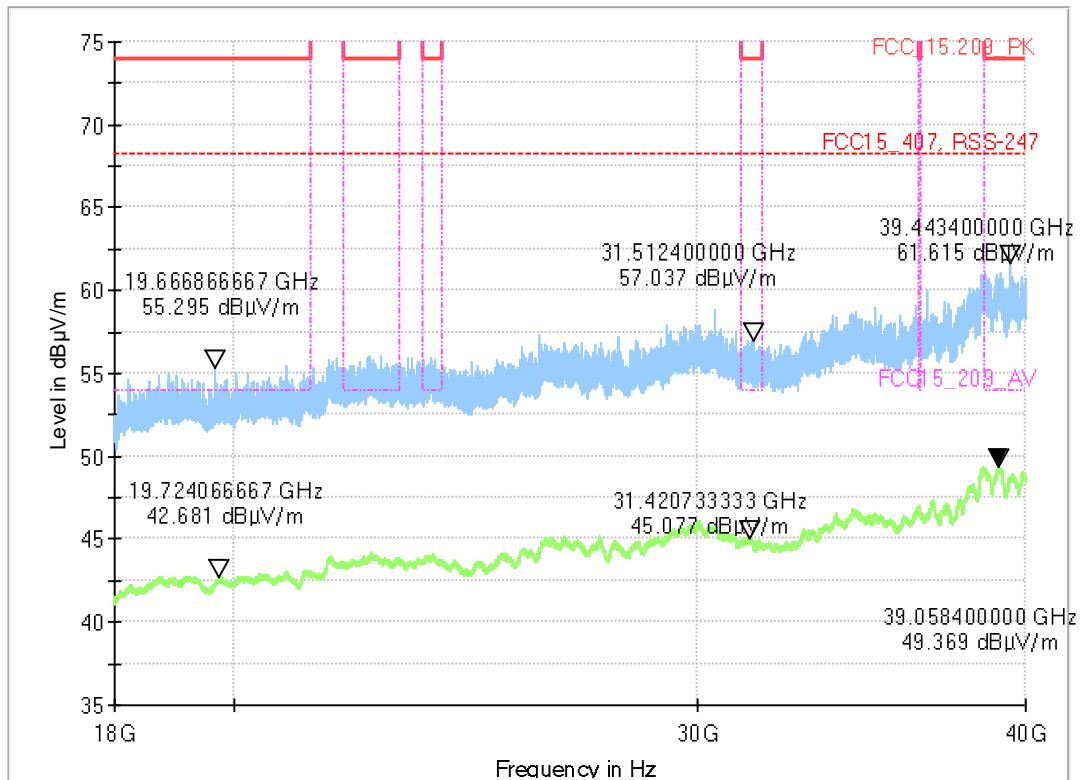
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetekom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	a-mode 6Mbps ch48
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	MNu/PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.26_a-mode_6Mbps_ch48_Standing

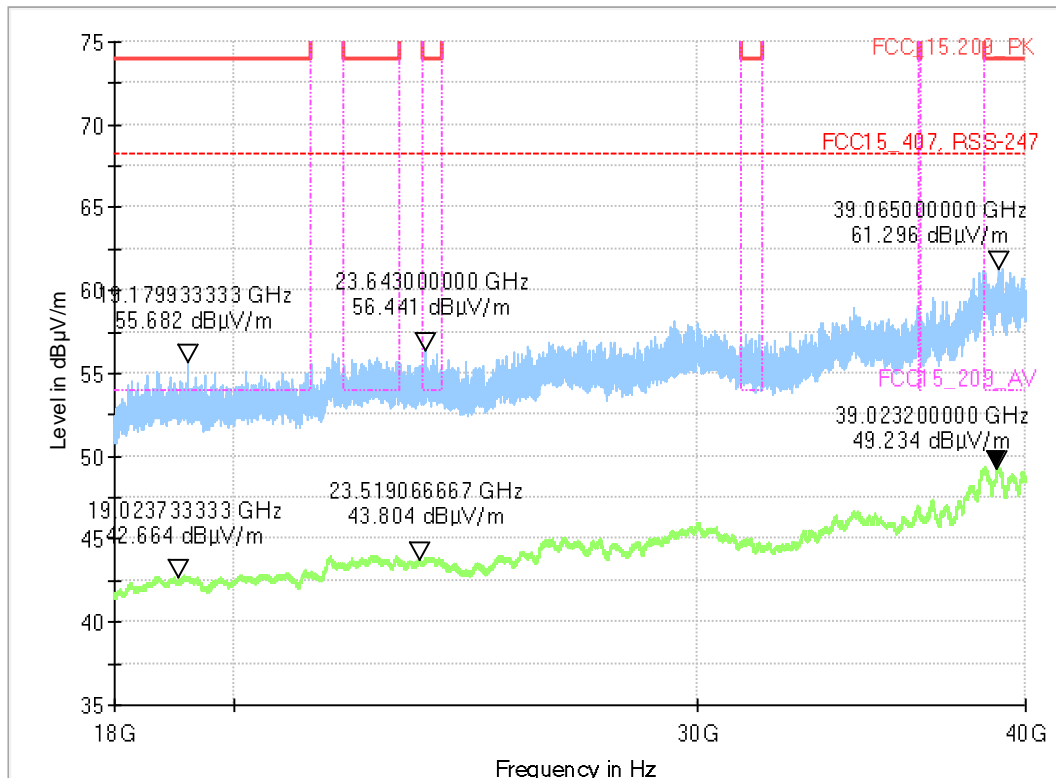
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	a-mode 6Mbps ch48
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	TFra
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.27_n40-mode_MCS0_ch38_Lying

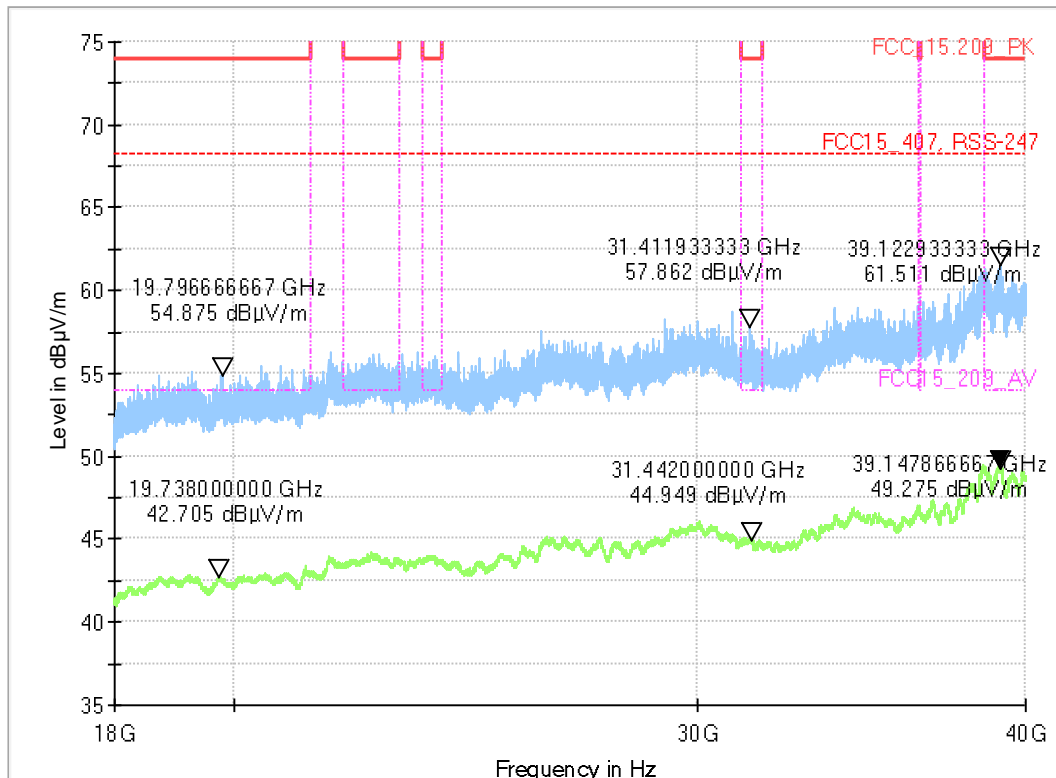
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-mode HT40 MCS0 ch38
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	MNu / PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.28_n40-mode_MCS0_ch38_Standing

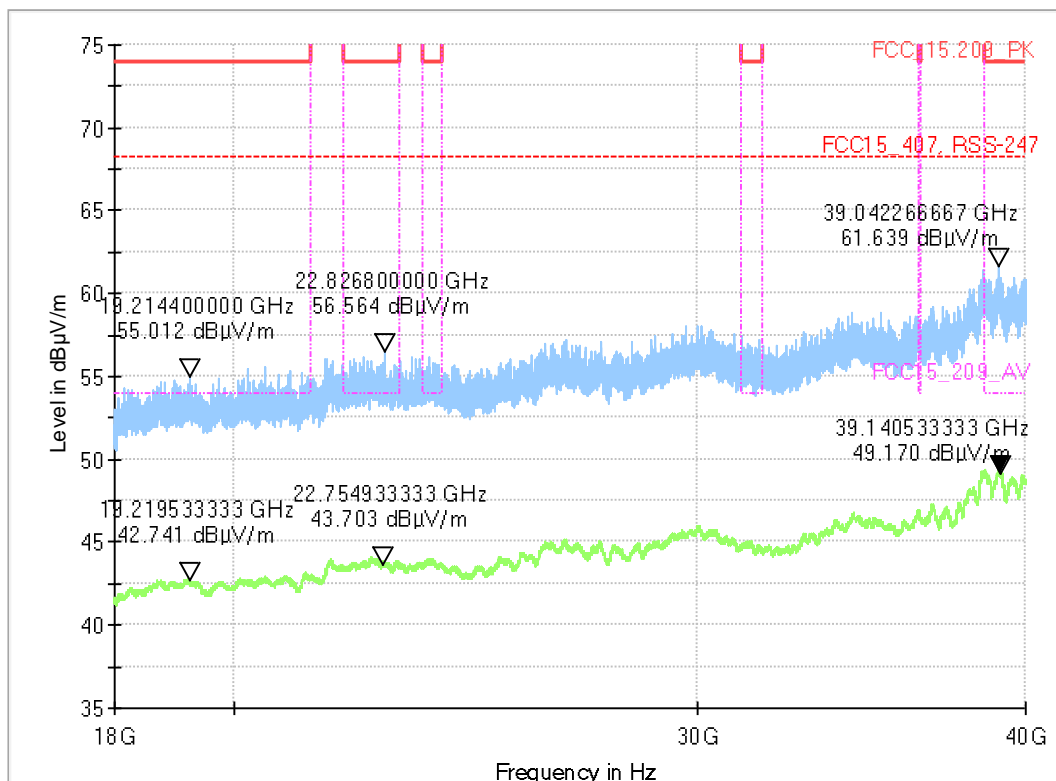
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetekom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-mode HT40 MCS0 ch38
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.29_n40-mode_MCS0_ch46_Lying

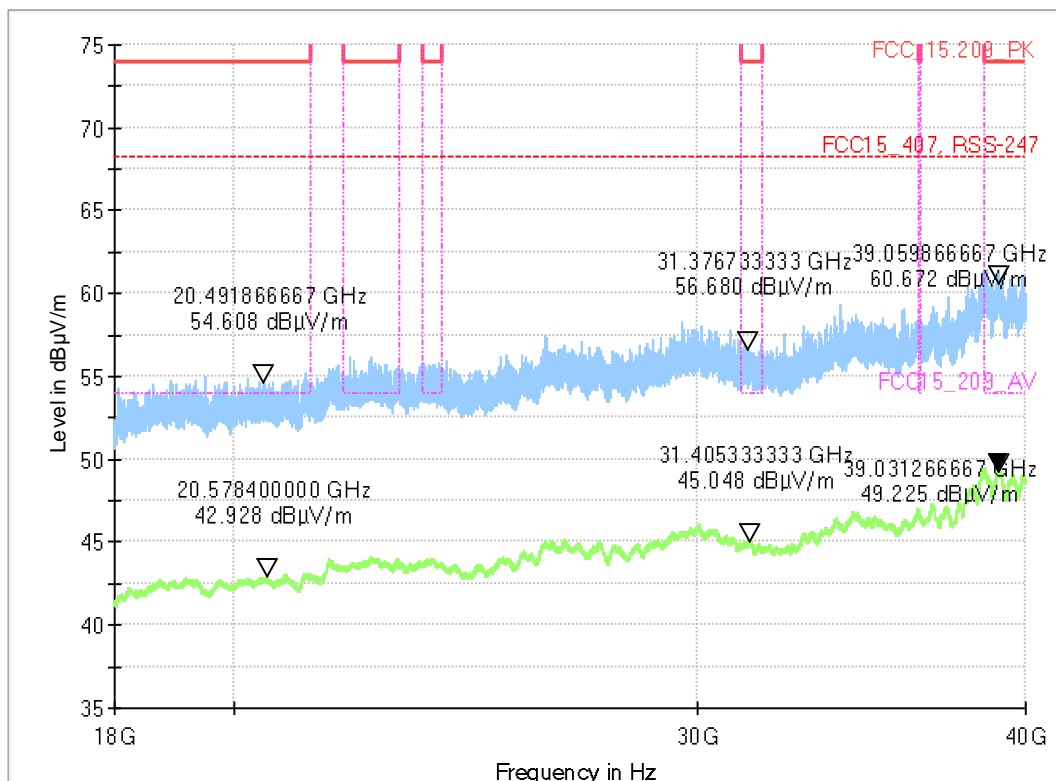
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-mode HT40 MCS0 ch46
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	MNu/PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.30_n40-mode_MCS0_ch46_Standing

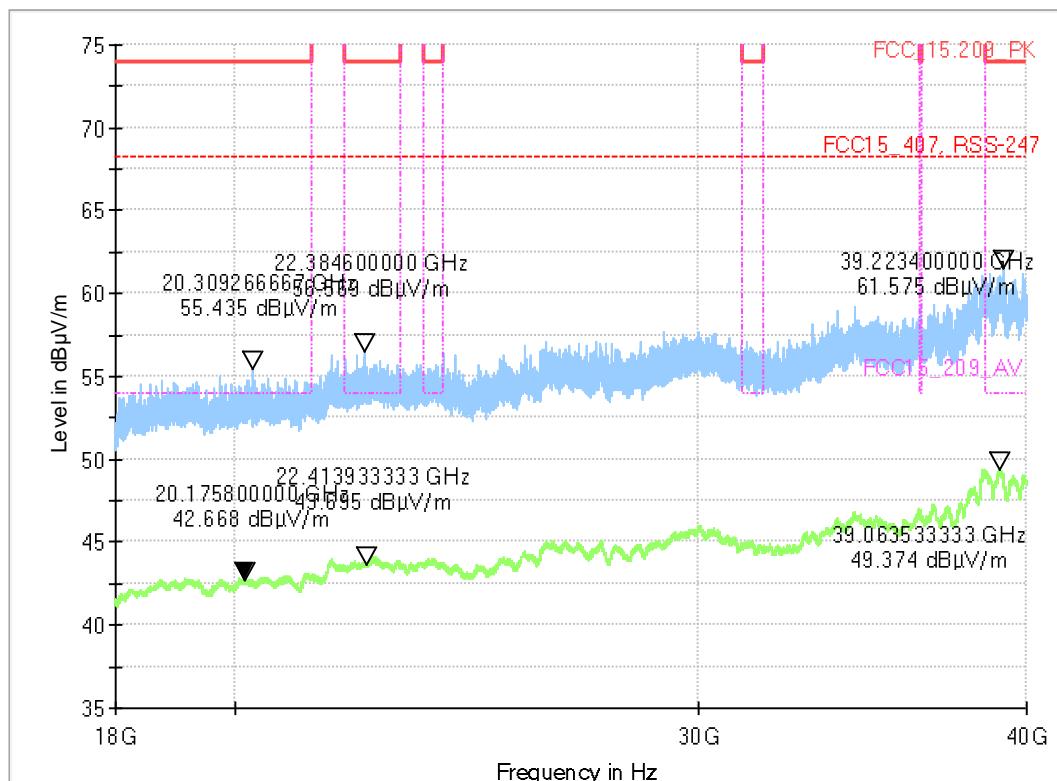
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-mode HT40 MCS0 ch46
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.31_n20-MIMO_MCS8_ch36_Lying

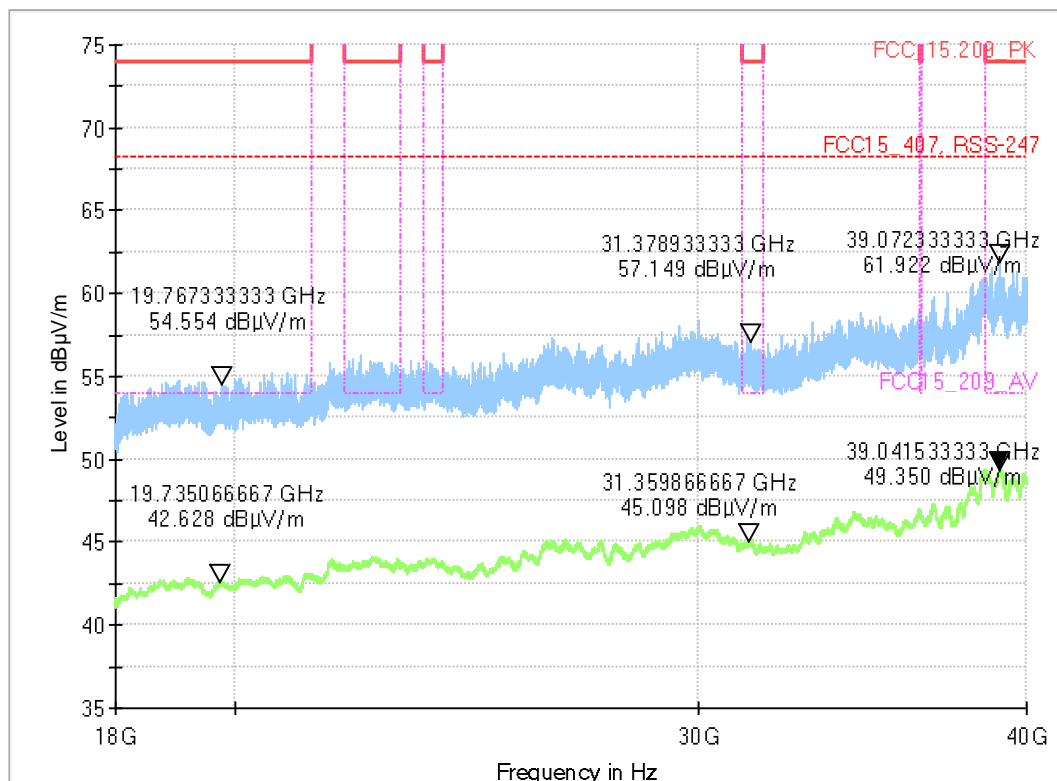
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT20 MCS8 ch36
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	MNu/PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.32_n20-MIMO_MCS8_ch36_Standing

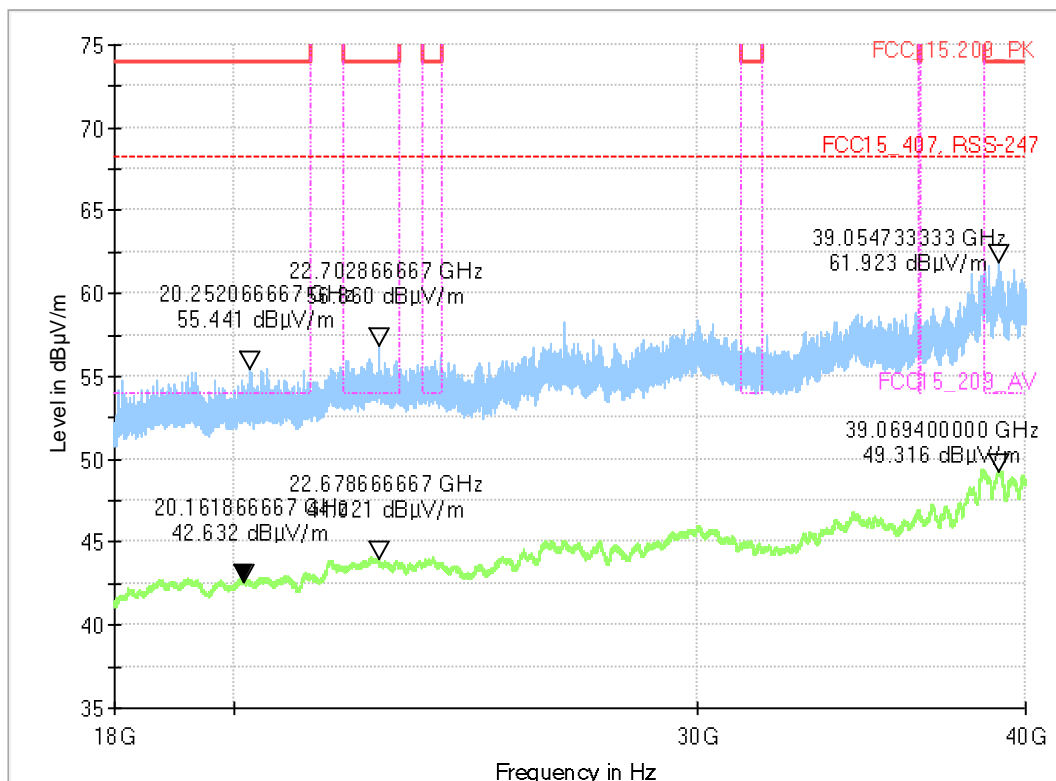
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT20 MCS8 ch36
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.33_n20-MIMO_MCS8_ch40_Lying

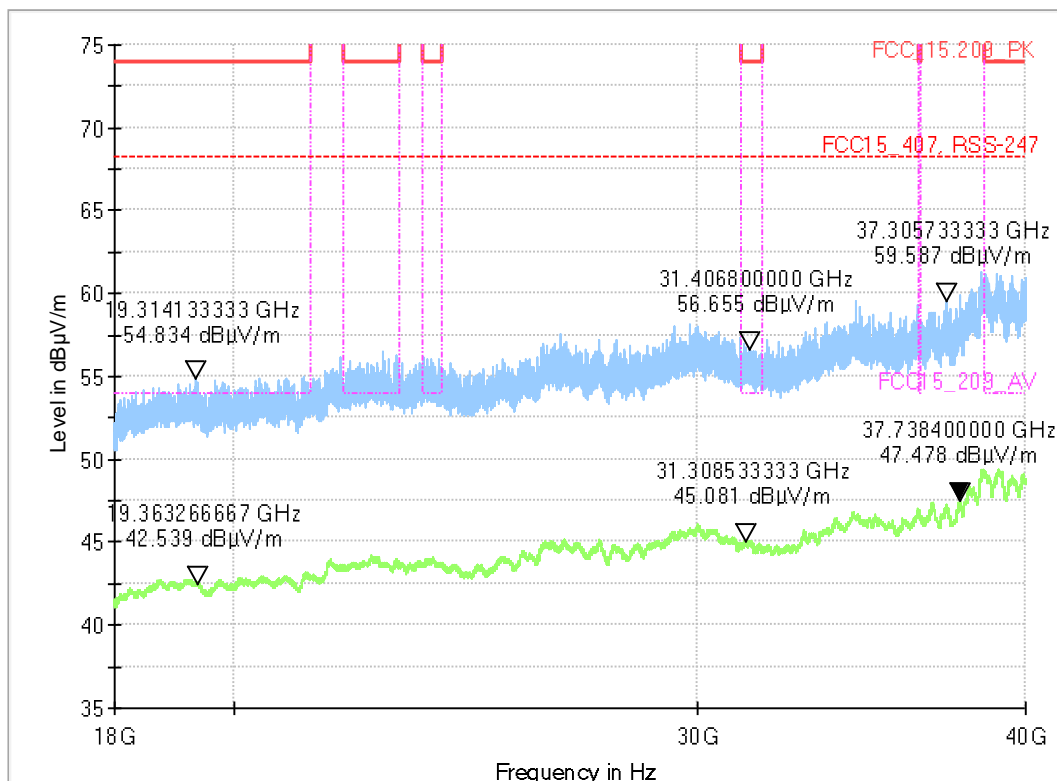
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT20 MCS8 ch40
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	MNu / PSt
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.34_n20-MIMO_MCS8_ch40_Standing

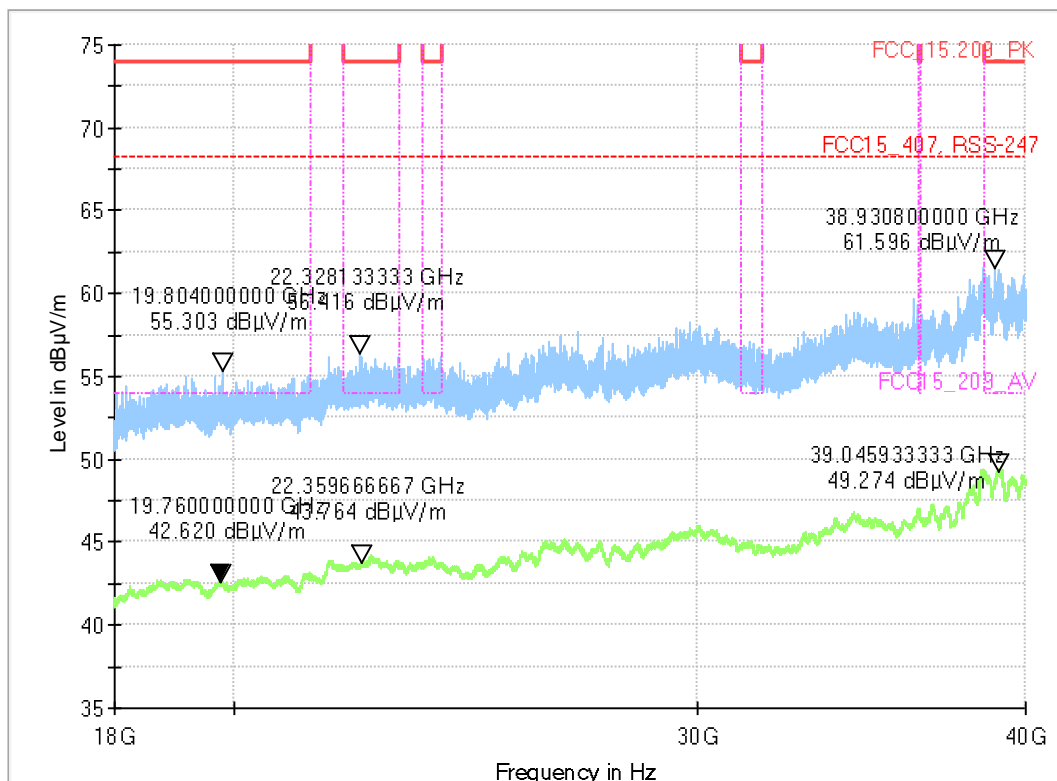
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT20 MCS8 ch40
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.35_n20-MIMO_MCS8_ch48_Lying

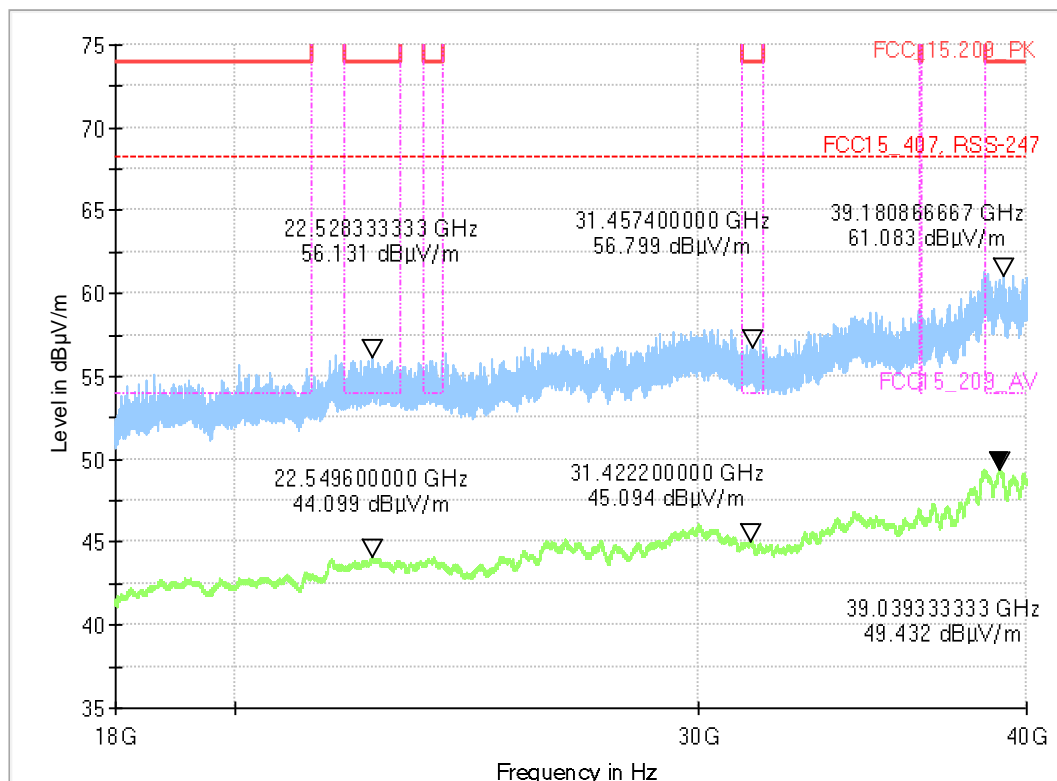
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT20 MCS8 ch48
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	TFra
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.36_n20-MIMO_MCS8_ch48_Standing

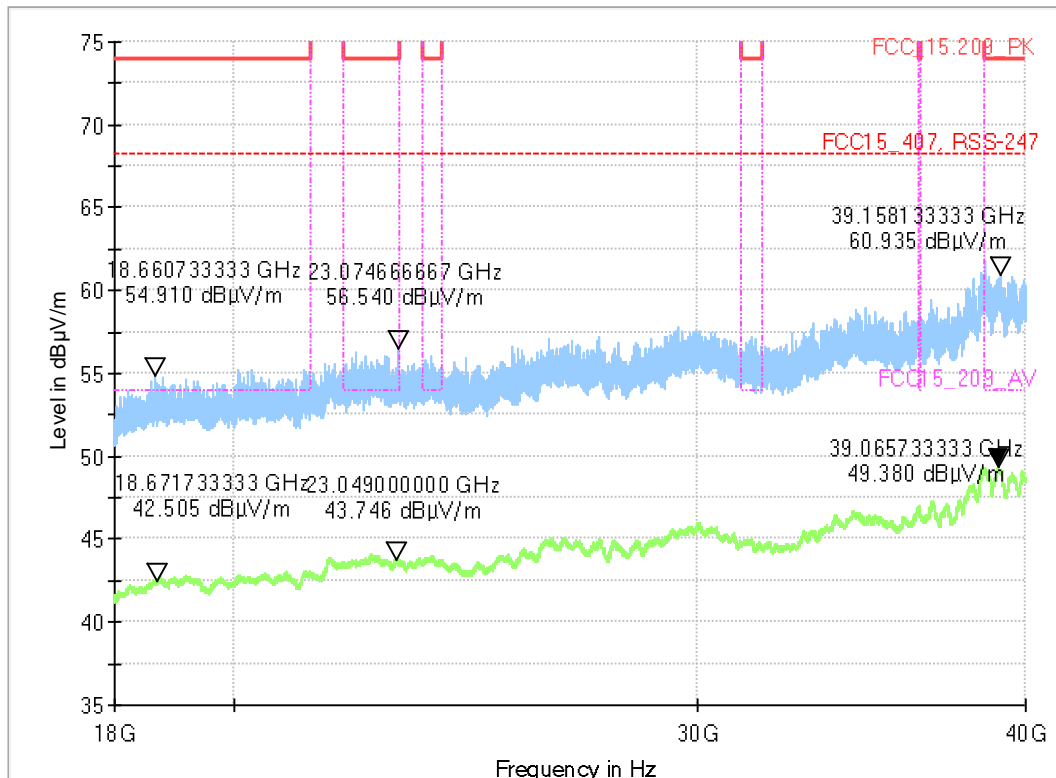
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetekom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT20 MCS8 ch48
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.37_n40-MIMO_MCS8_ch38_Lying

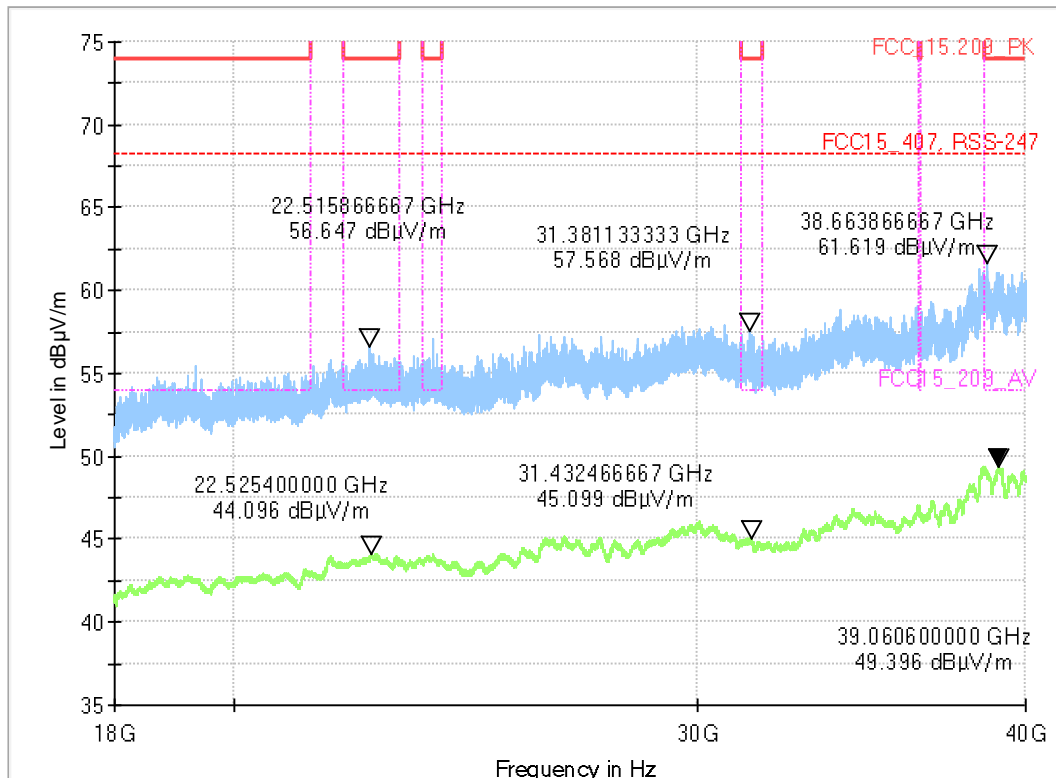
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT40 MCS8 ch38
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	TFra
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.38_n40-MIMO_MCS8_ch38_Standing

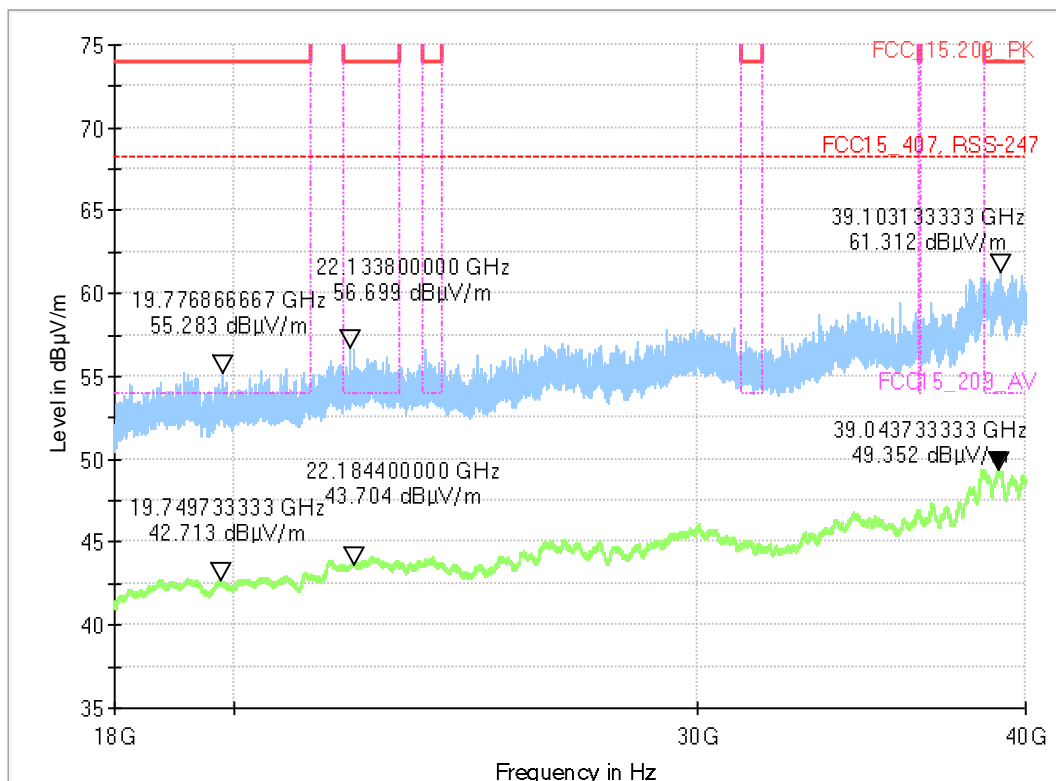
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT40 MCS8 ch38
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.39_n40-MIMO_MCS8_ch46_Lying

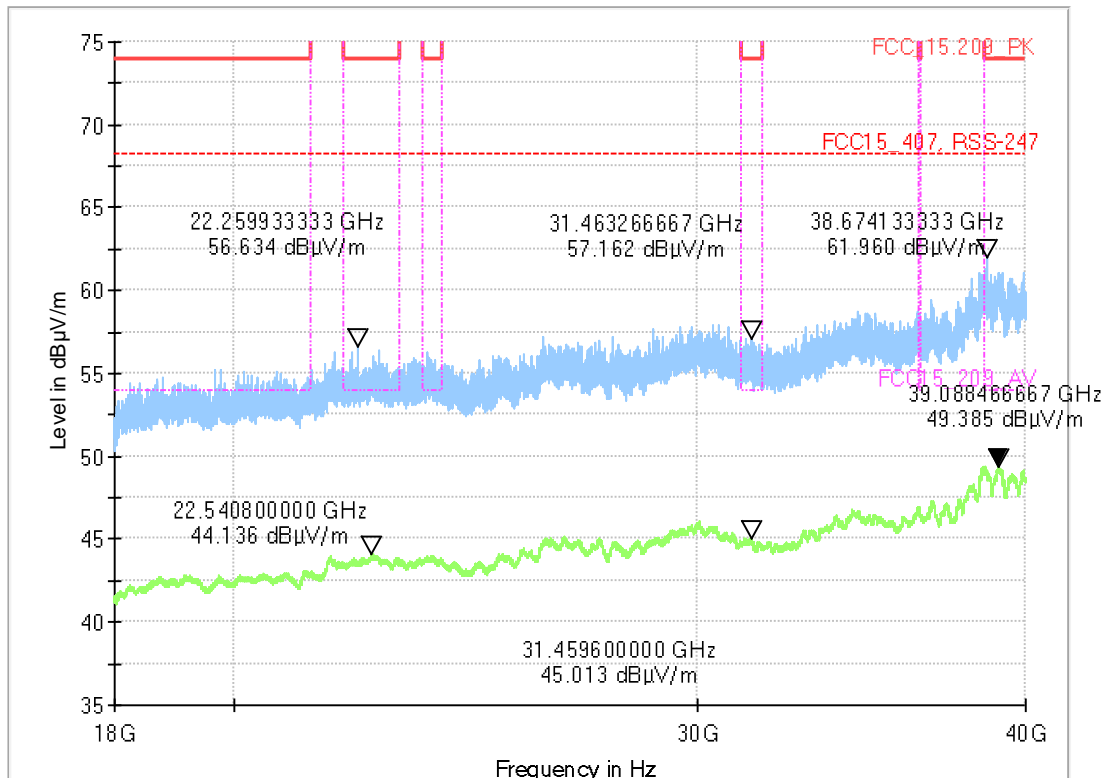
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT40 MCS8 ch46
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	TFra
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



4.40_n40-MIMO_MCS8_ch46_Standing

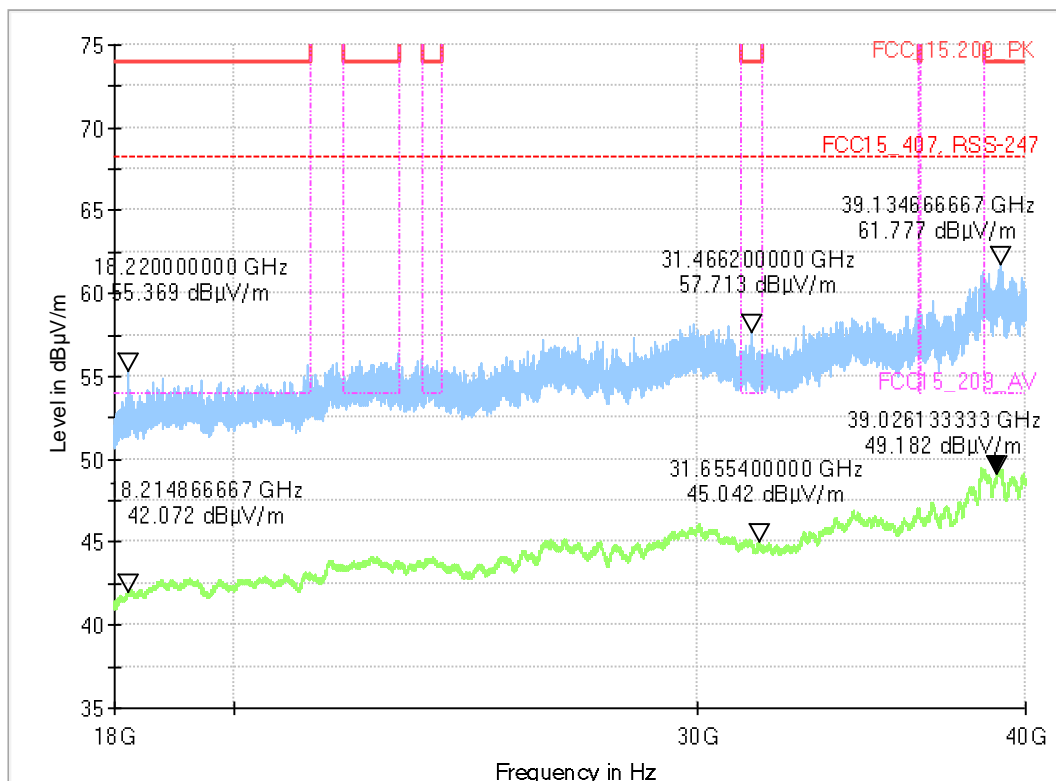
Common Information

Test Description:	Radiated field strength emission accord. §15.247/15.407 in 3m distance
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Room (FAR2)
Test Standard:	FCC Part 15.247 / 15.407
Section:	-
Operating Mode:	n-MIMO HT40 MCS8 ch46
Environmental Conditions:	Humidity: 41% rH; Temperature: 22.8 °C
Operator:	SOz
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT Sample Nr.	24-1-00398S02_C01
power:	28 V DC

Full Spectrum



9.01_a-mode_6Mbps_ch36

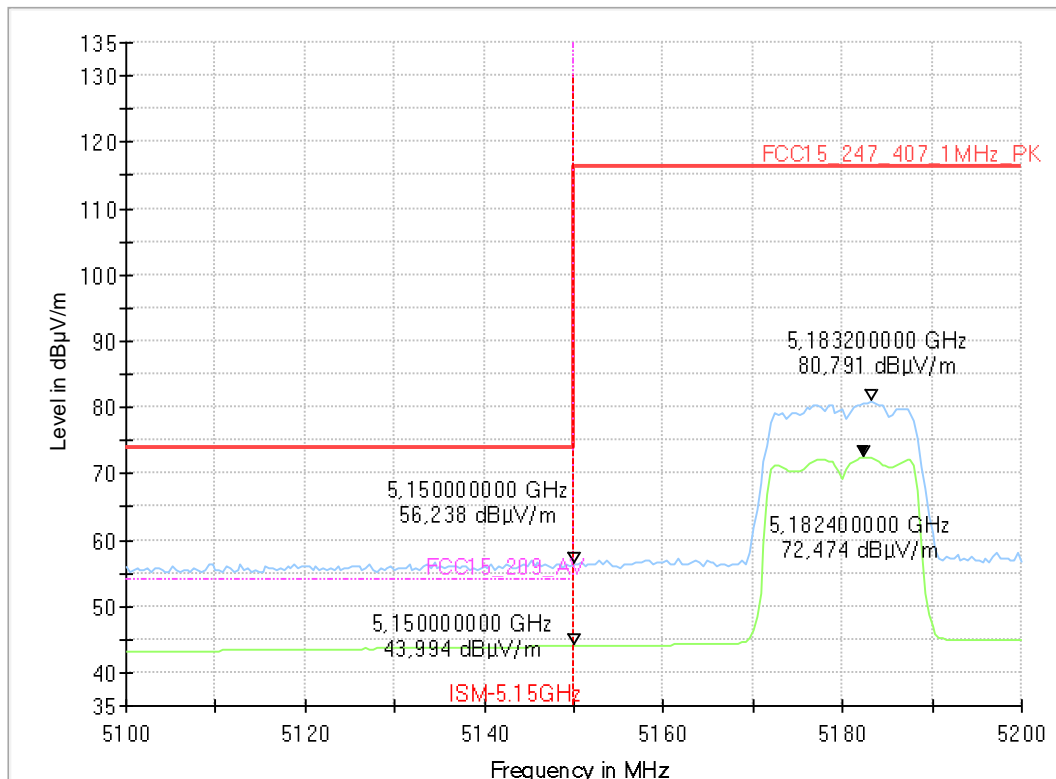
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	a-mode 6Mbps ch36
Operator:	ASa
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.02_n20-mode_MCS0_ch36

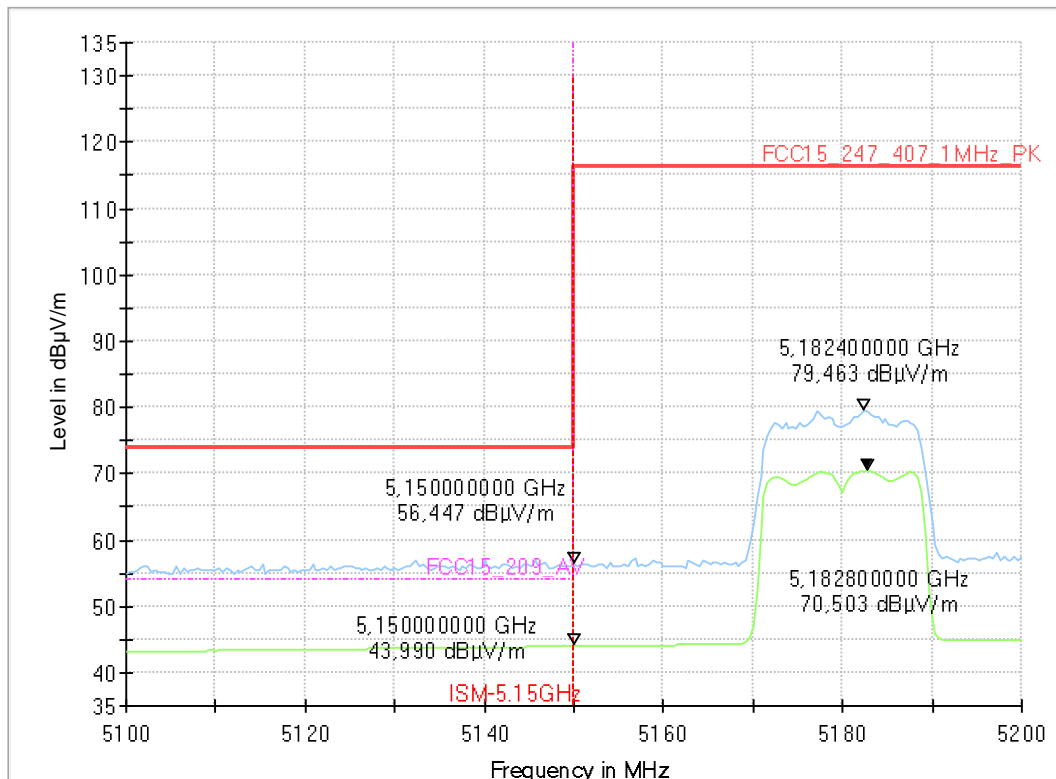
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-mode HT20 MCS0 ch36
Operator:	ASa
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.03_n20-MIMO_MCS8_ch36

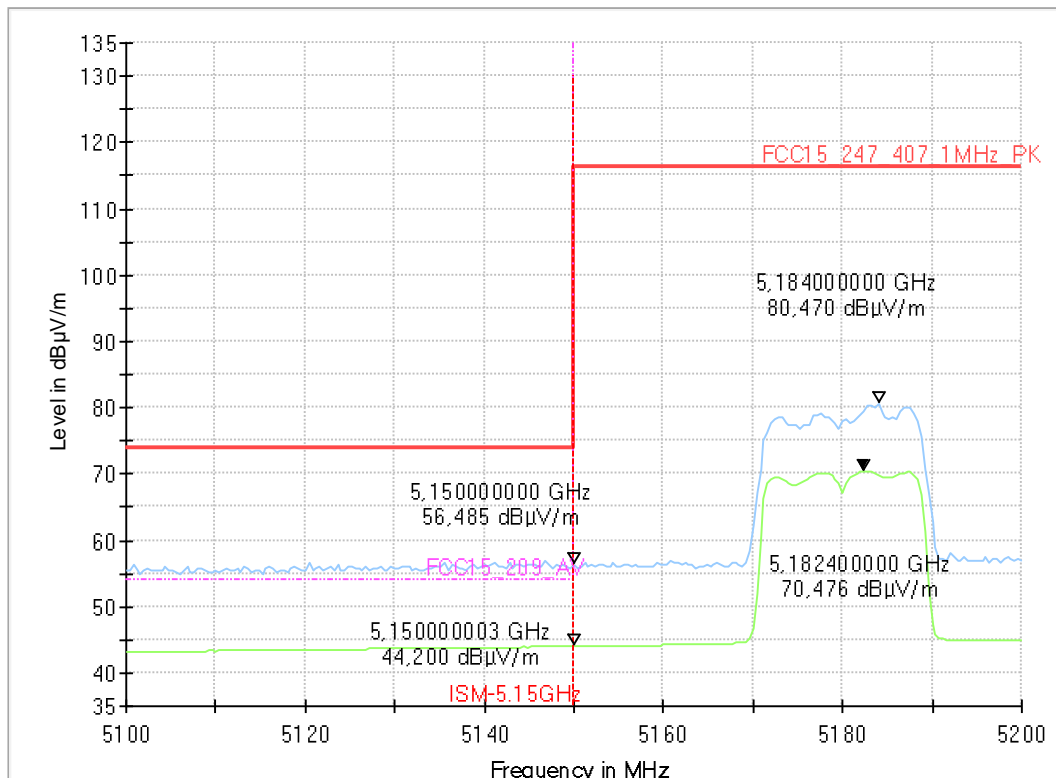
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT20 MCS8 ch36
Operator:	ASa
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity : 50%rH; Temperature: 20°C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.04_n40-mode_MCS0_ch38

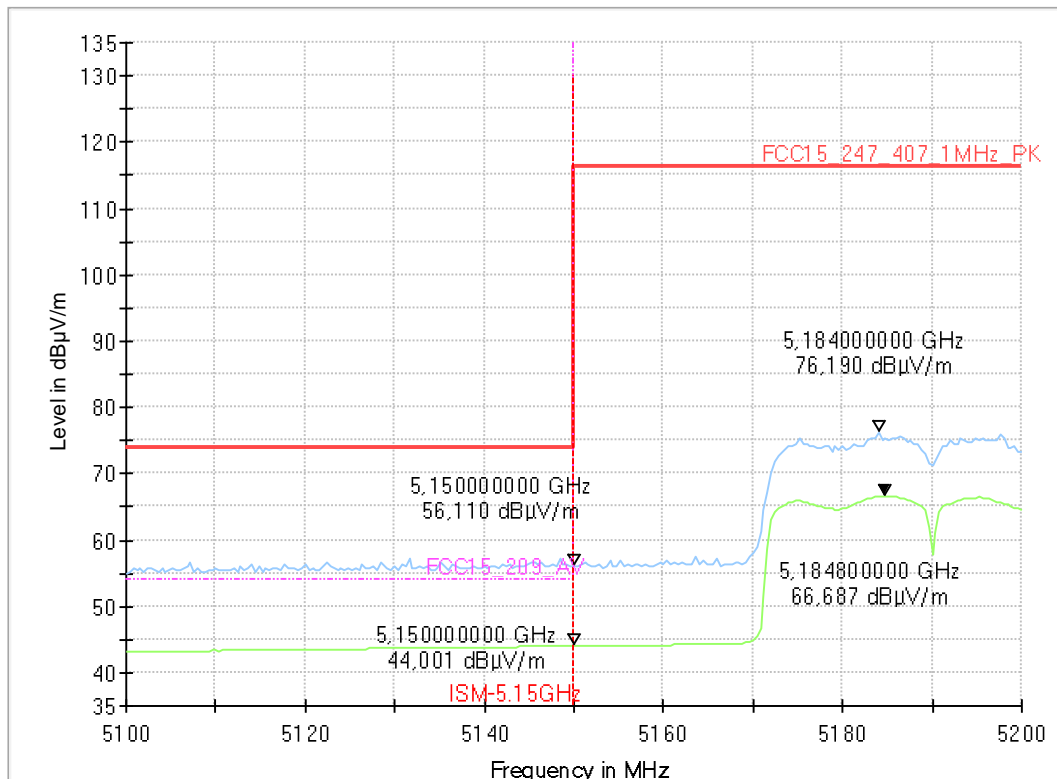
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-mode HT40 MCS0 ch38
Operator:	ASa
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity : 50%rH; Temperature: 20°C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.05_n40-MIMO_MCS8_ch38

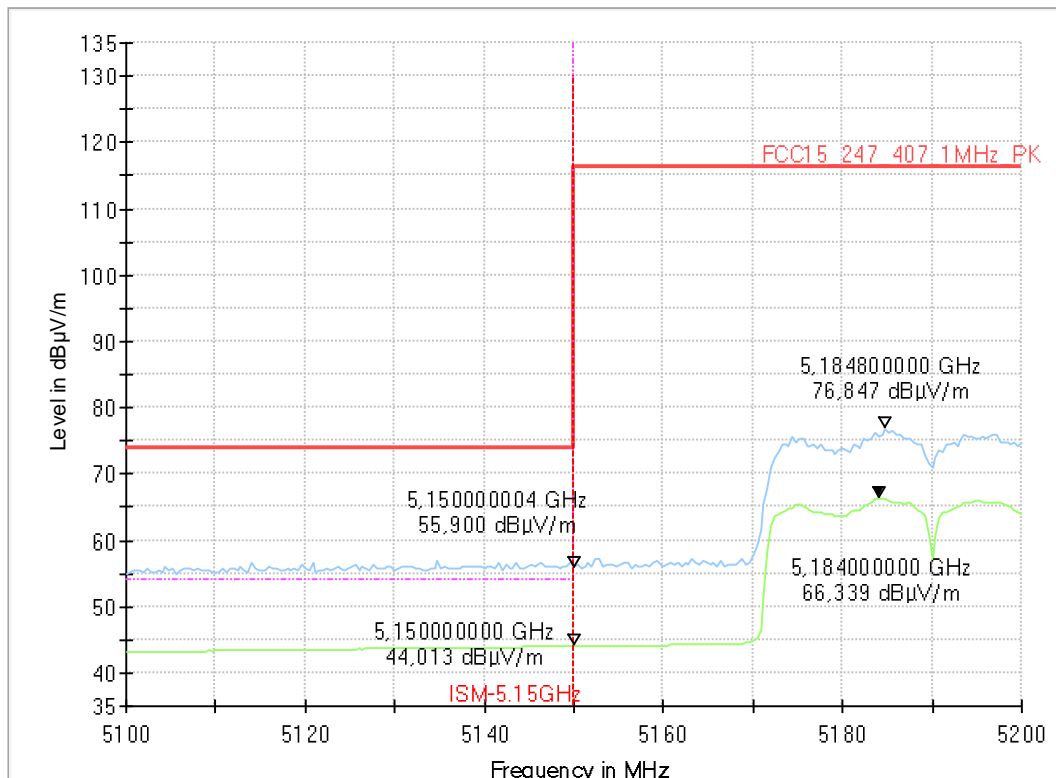
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT40 MCS8 ch38
Operator:	ASa
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply:	28 V DC

Full Spectrum



9.06_a-mode_6Mbps_ch48

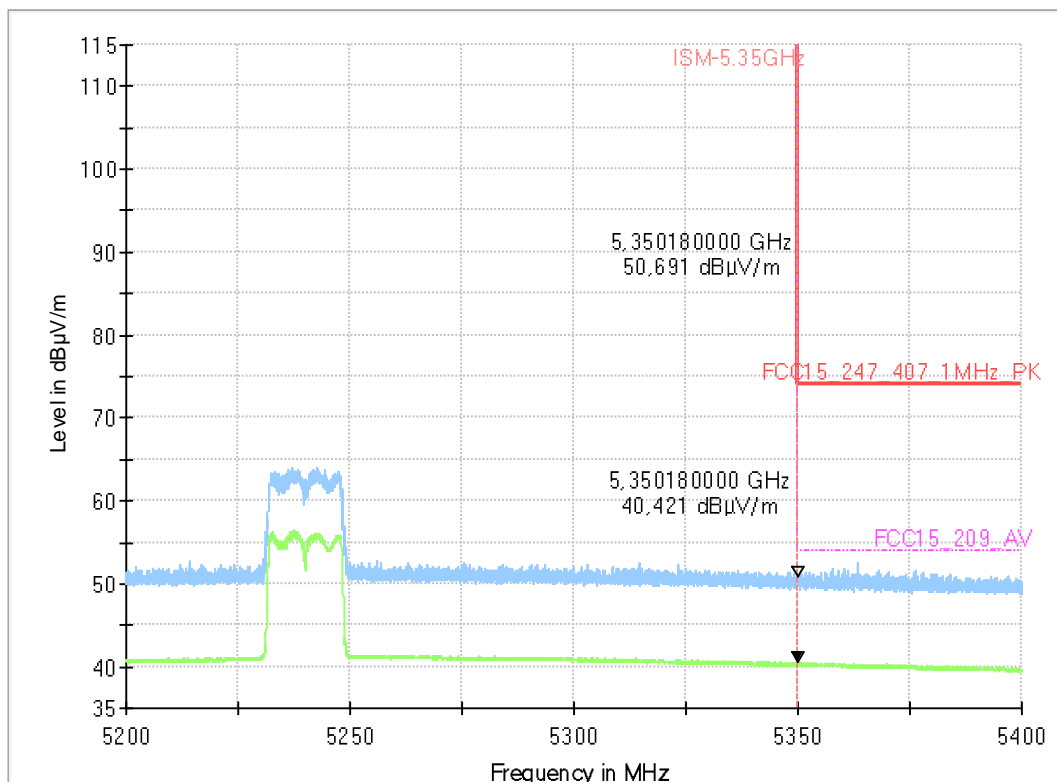
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	a-mode 6Mbps ch48
Operator:	PSt
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.07_n20-mode_MCS0_ch48

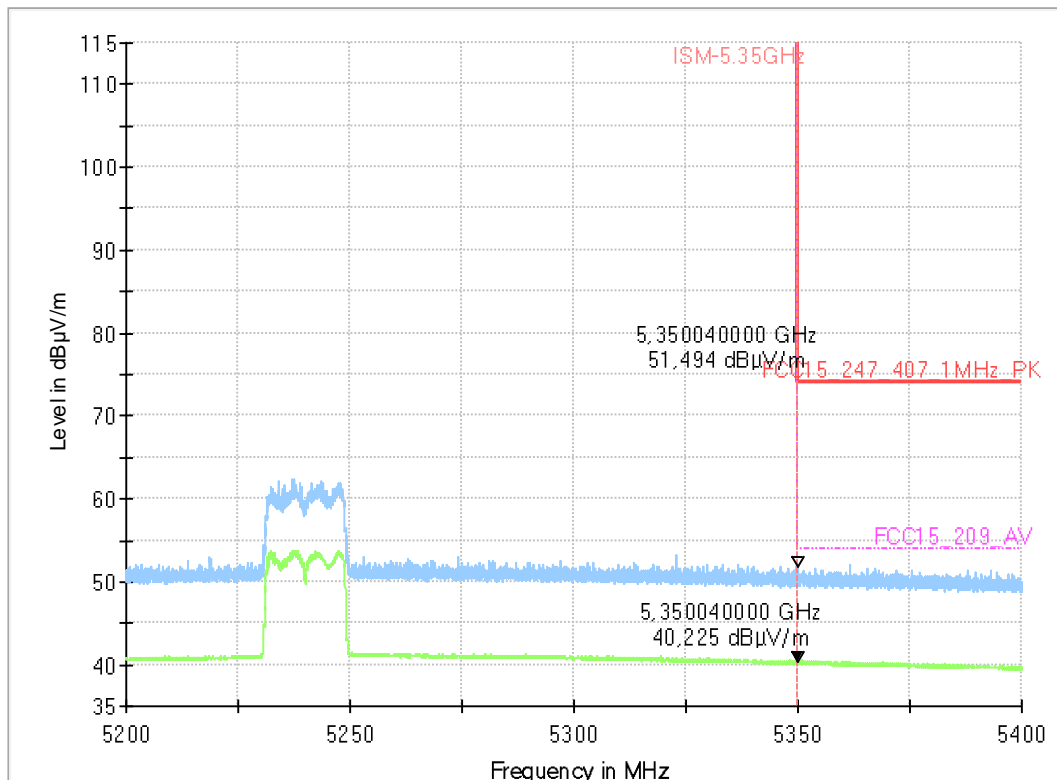
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-mode HT20 MCS0 ch48
Operator:	PSt
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.08_n20-MIMO_MCS8_ch48

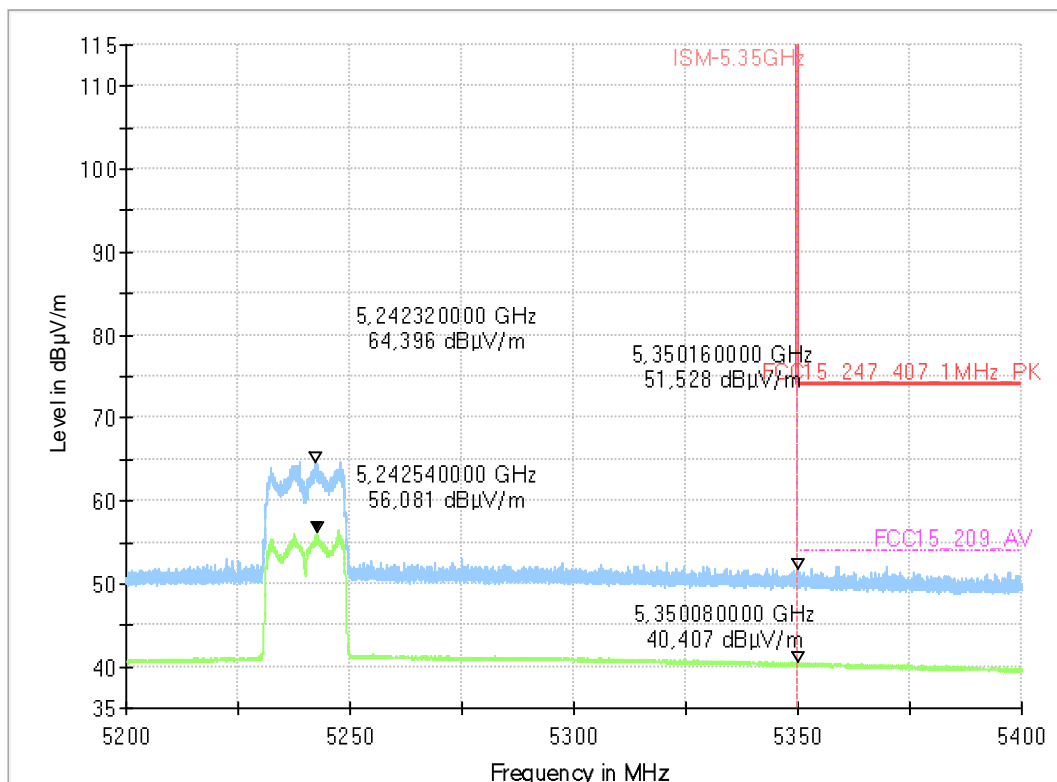
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT20 MCS8 ch48
Operator:	PSt
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.09_n40-mode_MCS0_ch46

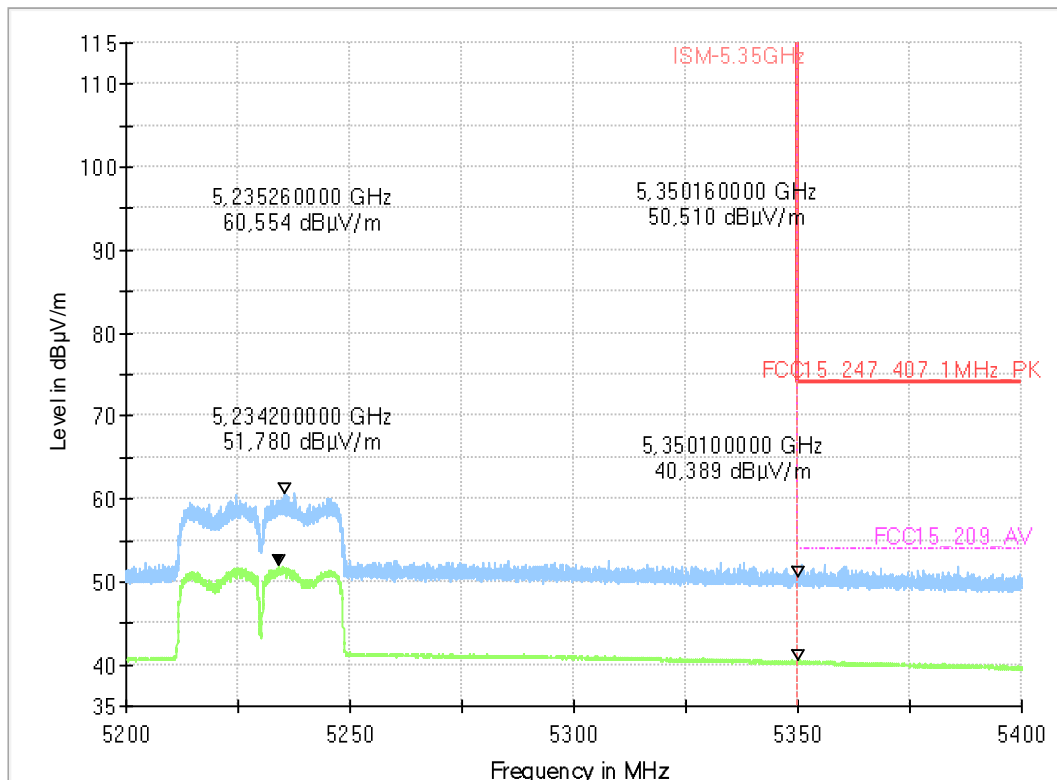
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-mode HT40 MCS0 ch46
Operator:	PSt
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.10_n40-MIMO_MCS8_ch46

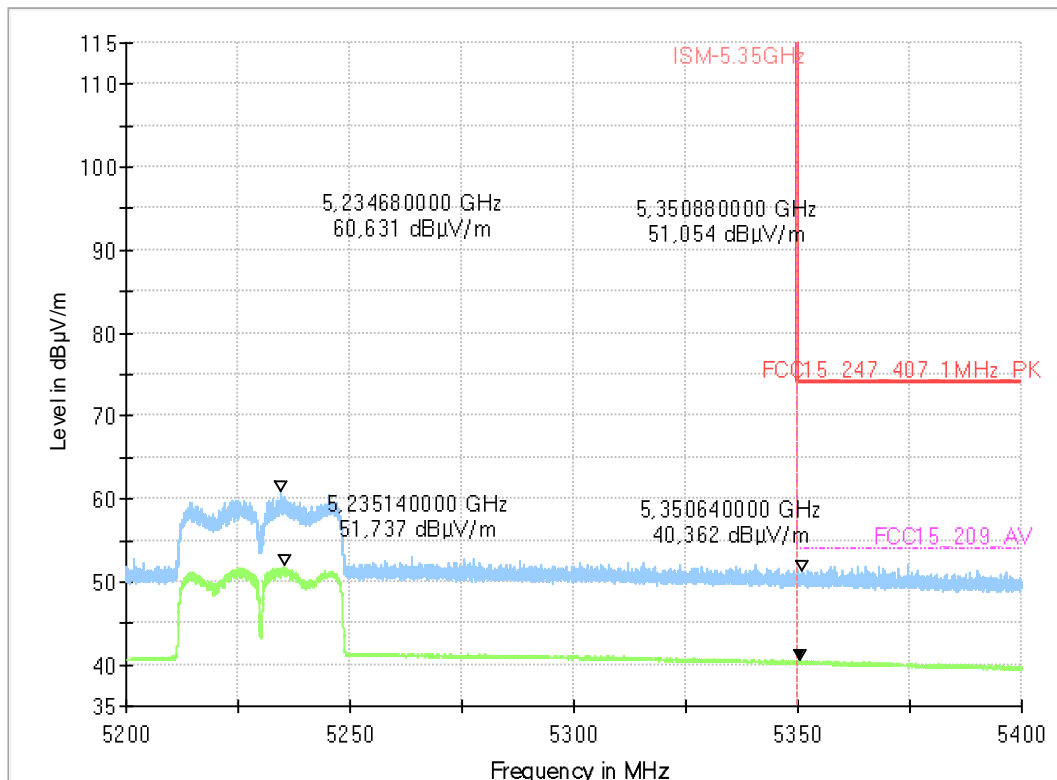
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	n-MIMO HT40 MCS8 ch46
Operator:	PSt
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.11_ac20-mode_MCS0_ch36

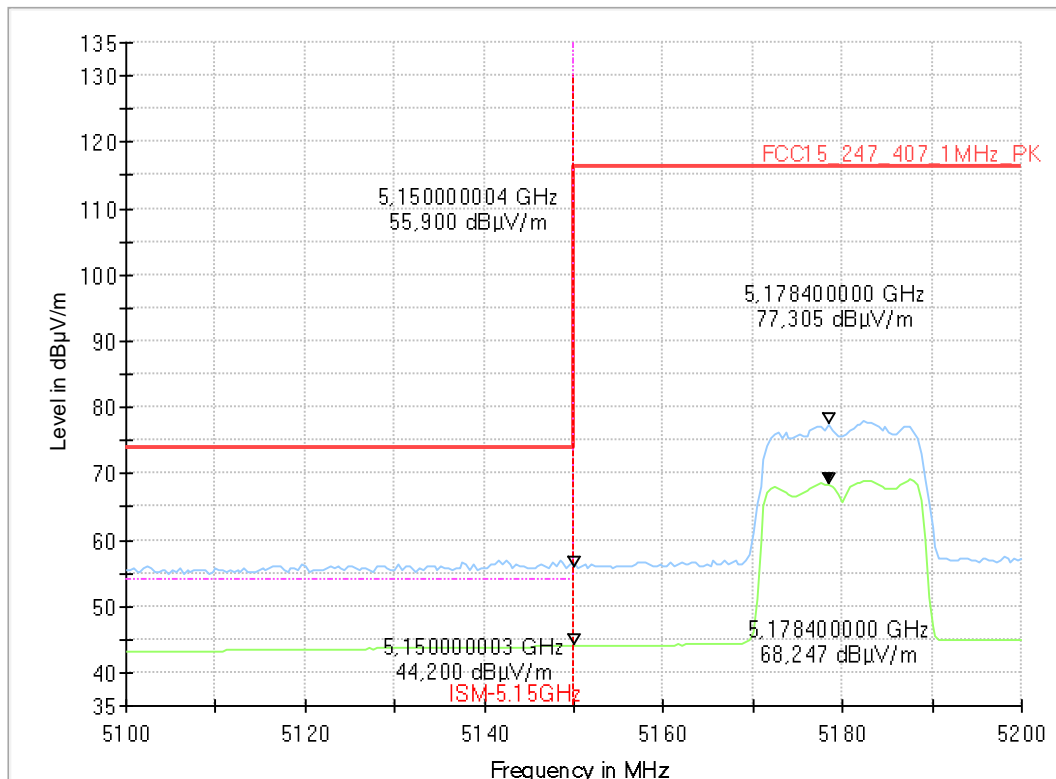
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	ac-mode VHT20 MCS0 ch36 P: 14
Operator:	PSt
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity : 50%rH; Temperature: 20°C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.12_ac40-mode_MCS0_ch38

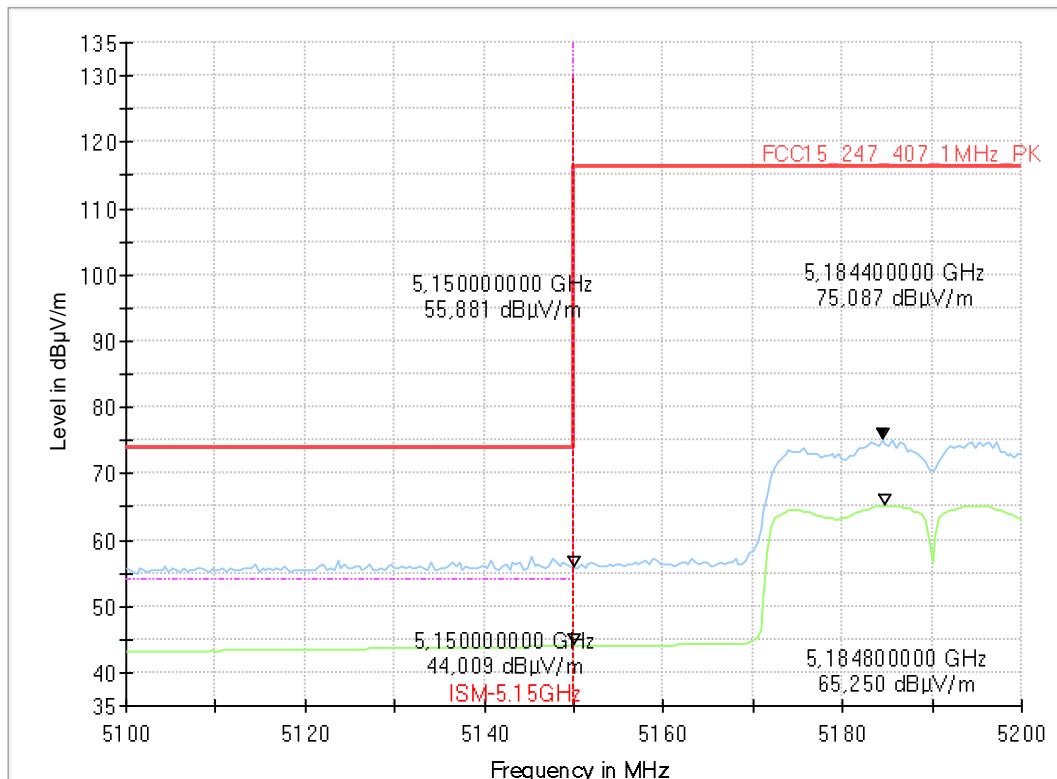
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	ac-mode VHT40 MCS0 ch38 P:13
Operator:	PSt
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity : 50%rH; Temperature: 20°C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.15_ac20-MIMO_MCS0_ch36

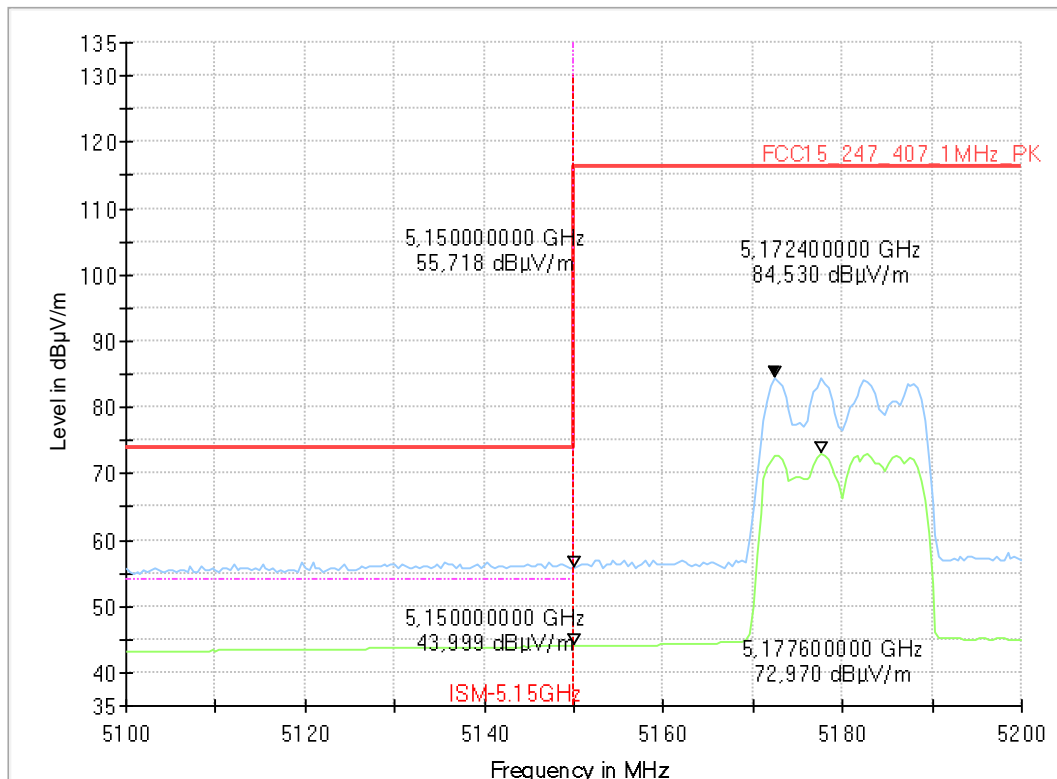
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	ac-MIMO VHT20 MCS0 ch36 P: 14
Operator:	PSt
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity : 50%rH; Temperature: 20°C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.16_ac40-MIMO_MCS0_ch38

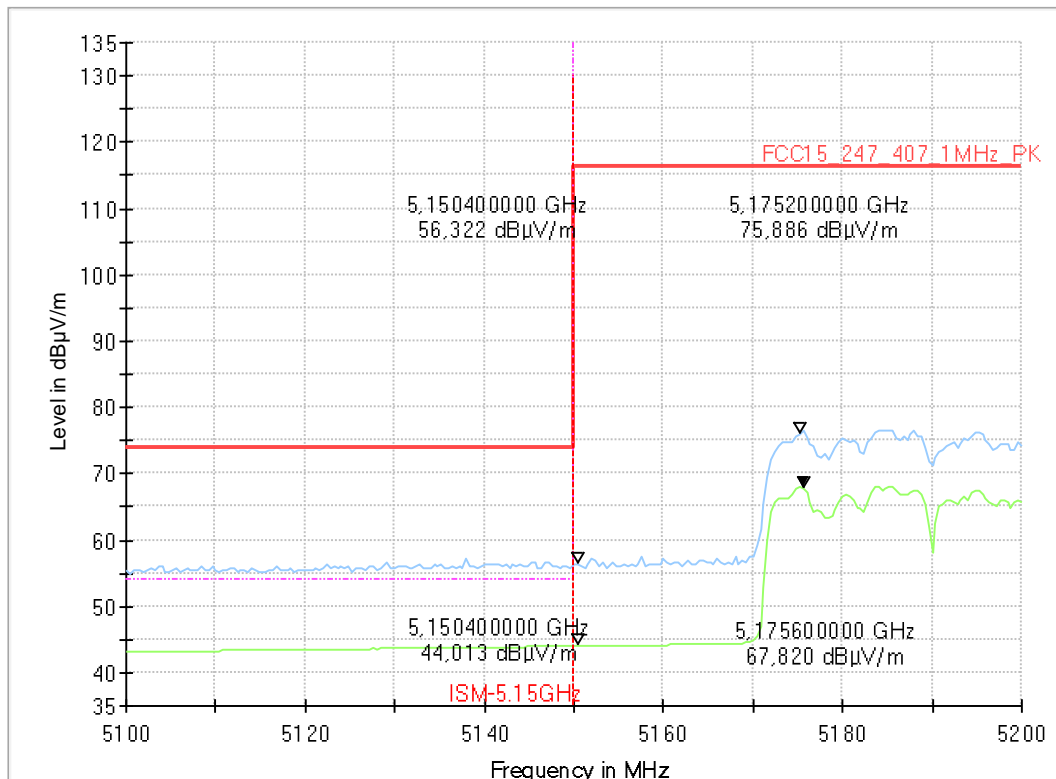
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	ac-MIMO VHT40 MCS0 ch38 P: 12
Operator:	PSt
Comment:	Channel no. low
EUT Setup:	1
Environmental Conditions:	Humidity : 50%rH; Temperature: 20°C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.19_ac20-mode_MCS0_ch48

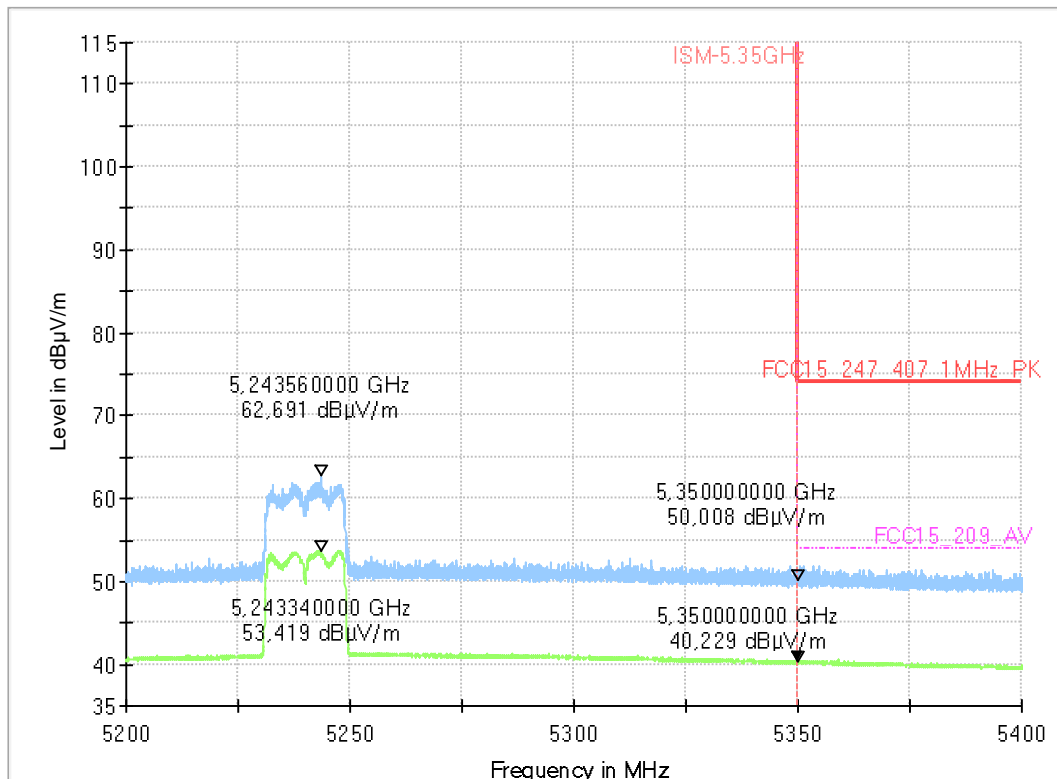
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	TX, continuous
Operator:	MNu
Comment:	ac-mode VHT20 MCS0 ch48
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.20_ac40-mode_MCS0_ch46

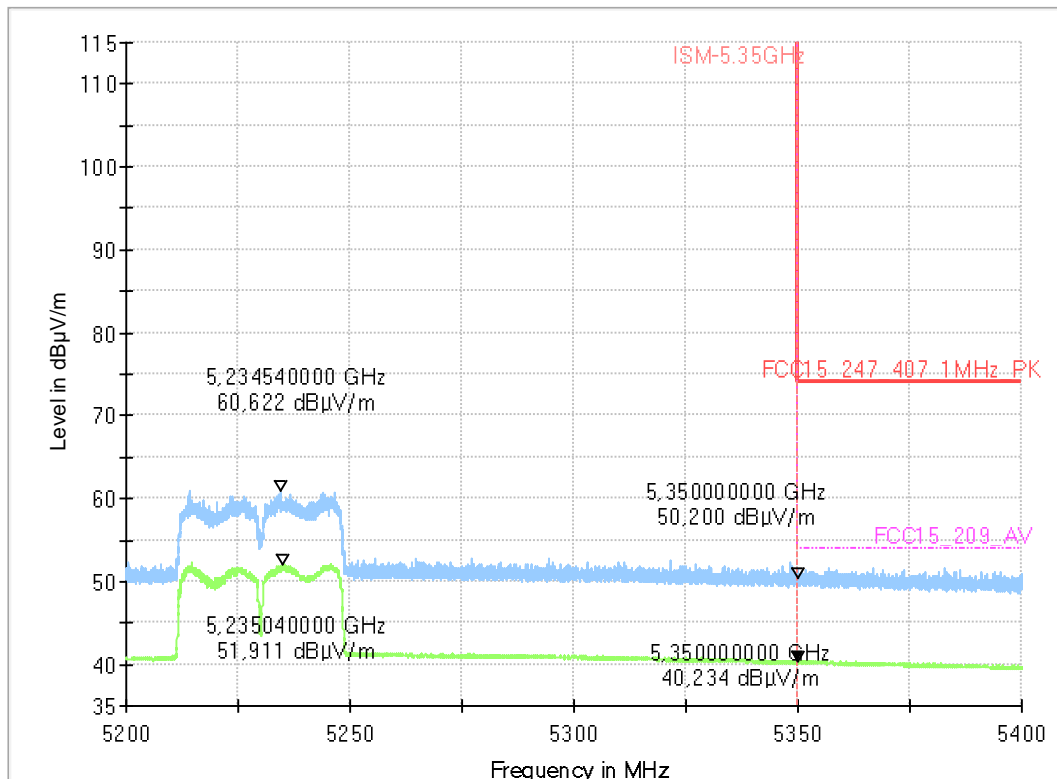
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	TX, continuous
Operator:	MNu
Comment:	ac-mode VHT20 MCS0 ch48
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.23_ac20-MIMO_MCS0_ch48

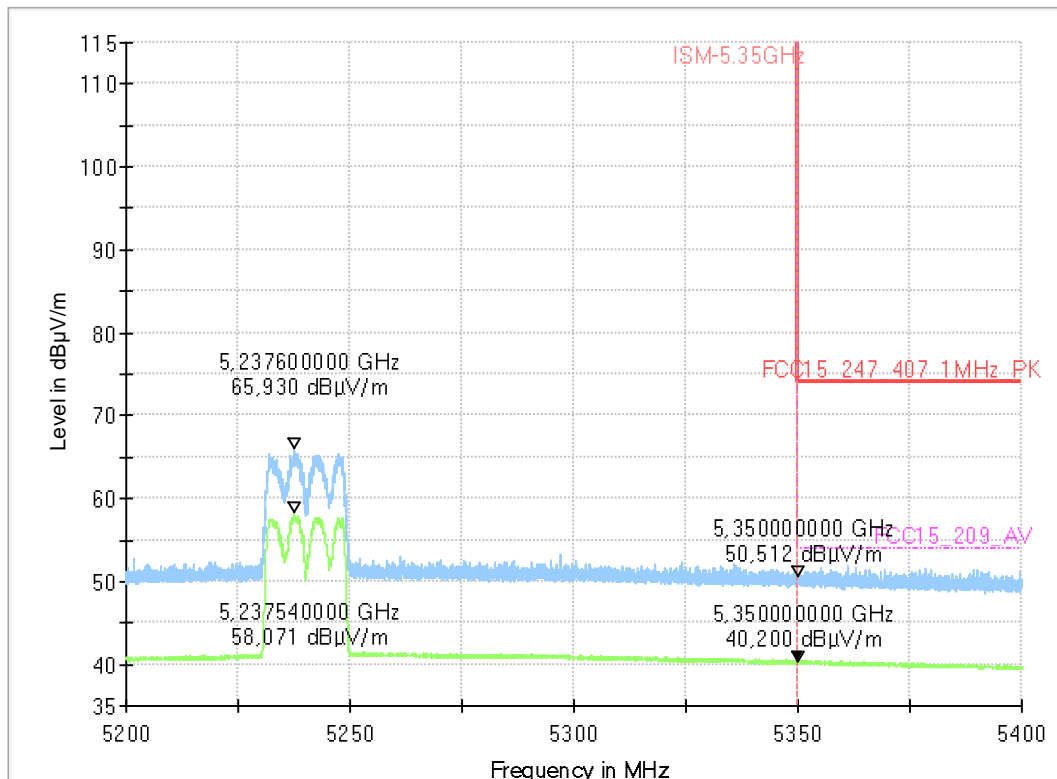
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	TX, continuous
Operator:	MNu
Comment:	ac-MIMO VHT20 MCS0 ch48
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



9.24_ac40-MIMO_MCS0_ch46

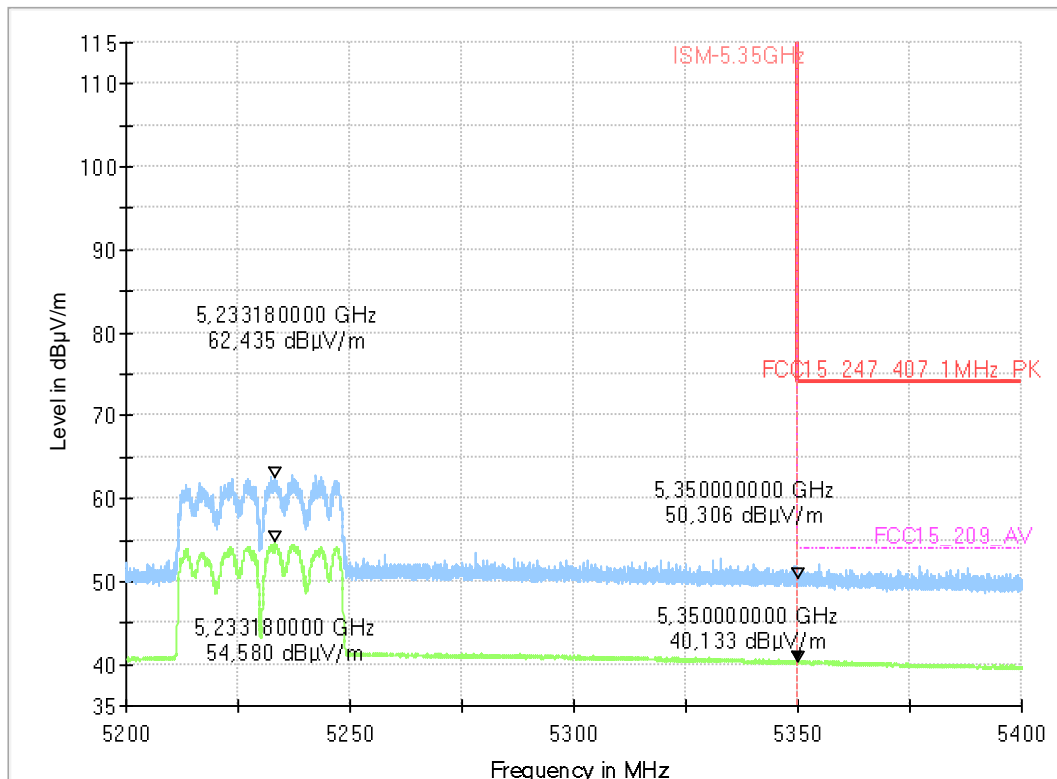
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	EMC32 V10.60.20
Operating Mode:	TX, continuous
Operator:	MNu
Comment:	ac-MIMO VHT40 MCS0 ch46
EUT Setup:	1
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	24-1-00398S02_C01
Power Supply :	28 V DC

Full Spectrum



End Of Annex 1