

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0225601T16

According to:
FCC Regulations
Part 15.205 & Part 15.209
Part 15.247

for

Helmut Fischer GmbH

MMS Inspection DPM
Measurement equipment for corrosion market

FCC ID: 2ATFE-MMSINSPEC00

Laboratory Accreditation and Listings



Deutsche
Akkreditierungsstelle
D-PL-12047-01-01
D-PL-12047-01-03
D-PL-12047-01-04

accredited according to DIN EN ISO/IEC 17025

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1. Measurement diagrams

1.1. General Limit – Maximum power output conducted

DFT Variant

Operational bands:	b-mode		
Channel no.:	1	6	11
b-mode			
1Mbit	15,27	15,24	13,12
2Mbit	14,59	14,79	12,76
5,5Mbit	14,50	14,75	12,77
11Mbit	14,48	14,77	12,73
Operational bands:	b-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	15,269		
Margin to Limit output power:	14,73		
Declared antenna Gain max:	2,00		
EIRP	17,27		
Margin to Limit EIRP:	18,73		
Verdict:	pass		

Operational bands:	g-mode		
Channel no.:	1	6	11
g-mode			
6Mbit	12,68	12,82	11,02
9Mbit	12,52	12,71	10,97
12Mbit	12,53	12,75	10,96
18Mbit	12,49	12,68	10,96
24Mbit	11,07	11,24	9,51
36Mbit	11,25	11,36	9,60
48Mbit	10,08	9,98	8,31
54Mbit	9,07	9,05	7,59
Operational bands:	g-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	12,823		
Margin to Limit output power:	17,18		
Declared antenna Gain max:	2,00		
EIRP	14,82		
Margin to Limit EIRP:	21,18		
Verdict:	pass		

Operational bands:	n-mode		
Channel no.:	1	6	11
n-mode			
MCS0	13,88	13,41	11,56
MCS1	12,86	13,02	11,28
MCS2	12,78	12,97	11,22
MCS3	11,35	11,46	9,81
MCS4	11,79	11,74	9,65
MCS5	9,54	9,69	7,94
MCS6	8,73	8,73	7,09
MCS7	7,85	8,00	6,10
Operational bands:	n-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	13,883		
Margin to Limit output power:	16,12		
Declared antenna Gain max:	2,00		
EIRP	15,88		
Margin to Limit EIRP:	20,12		
Verdict:	pass		

Operational bands:	n-mode		
Channel no.:	3	6	9
n-mode			
MCS0	11,31		9,94
MCS1	11,42		10,15
MCS2	11,29		10,02
MCS3	8,81		7,57
MCS4	9,01		7,72
MCS5	7,78		6,71
MCS6	6,90		5,85
MCS7	6,26		4,93
Operational bands:	n-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	11,42		
Margin to Limit output power:	18,58		
Declared antenna Gain max:	2,00		
EIRP	13,42		
Margin to Limit EIRP:	22,58		
Verdict:	pass		

DPM Variant

Operational bands:	b-mode		
Channel no.:	1	6	11
b-mode			
1MBit	15,49	12,93	13,26
2Mbit	15,27	12,74	13,09
5.5Mbit	15,72	13,14	13,24
11MBit	15,61	13,00	13,27
Operational bands:	b-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	15,724		
Margin to Limit output power:	14,28		
Declared antenna Gain max:	2,00		
EIRP	17,72		
Margin to Limit EIRP:	18,28		
Verdict:	pass		

Operational bands:	g-mode		
Channel no.:	1	6	11
g-mode			
6Mbit	14,61	12,12	12,39
9Mbit	14,26	11,77	12,10
12Mbit	14,78	12,38	12,56
18Mbit	14,39	12,04	12,32
24Mbit	13,21	12,01	11,27
36Mbit	13,54	12,23	11,44
48Mbit	12,89	11,58	10,45
54Mbit	12,03	10,76	9,60
Operational bands:	g-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	14,781		
Margin to Limit output power:	15,22		
Declared antenna Gain max:	2,00		
EIRP	16,78		
Margin to Limit EIRP:	19,22		
Verdict:	pass		

Operational bands:	n-mode		
Channel no.:	1	6	11
n-mode			
MCS0	15,26	14,23	13,19
MCS1	15,64	14,45	13,53
MCS2	15,70	14,61	13,53
MCS3	13,31	12,07	11,29
MCS4	13,52	12,25	11,36
MCS5	12,07	10,93	9,87
MCS6	11,52	10,38	9,25
MCS7	10,85	9,45	8,60
Operational bands:	n-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	15,701		
Margin to Limit output power:	14,30		
Declared antenna Gain max:	2,00		
EIRP	17,70		
Margin to Limit EIRP:	18,30		
Verdict:	pass		

Operational bands:	n-mode		
Channel no.:	3	6	9
n-mode			
MCS0	13,71		12,40
MCS1	13,96		12,57
MCS2	14,18		12,74
MCS3	11,68		10,29
MCS4	12,27		10,77
MCS5	11,04		9,29
MCS6	10,76		8,98
MCS7	9,76		8,29
Operational bands:	n-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	14,18		
Margin to Limit output power:	15,82		
Declared antenna Gain max:			
EIRP	14,18		
Margin to Limit EIRP:	21,82		
Verdict:	pass		

SPG Variant

Operational bands:	b-mode		
Channel no.:	1	6	11
b-mode			
1Mbit	12,06	10,68	10,78
2Mbit	11,49	10,21	10,42
5.5Mbit	11,33	10,07	10,27
11Mbit	11,35	10,08	10,31
Operational bands:	b-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	12,06		
Margin to Limit output power:	17,94		
Declared antenna Gain max:	2,00		
EIRP	14,06		
Margin to Limit EIRP:	21,94		
Verdict:	pass		

Operational bands:	g-mode		
Channel no.:	1	6	11
g-mode			
6Mbit	10,28	9,06	9,23
9Mbit	10,31	9,07	9,24
12Mbit	10,58	9,40	9,52
18Mbit	10,66	9,41	9,53
24Mbit	7,99	6,83	6,93
36Mbit	8,16	6,92	6,99
48Mbit	7,08	5,63	5,84
54Mbit	6,11	4,61	4,90
Operational bands:	g-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	10,658		
Margin to Limit output power:	19,34		
Declared antenna Gain max:	2,00		
EIRP	12,66		
Margin to Limit EIRP:	23,34		
Verdict:	pass		

Operational bands:	n-mode		
Channel no.:	1	6	11
n-mode			
MCS0	12,12	10,60	10,40
MCS1	10,89	9,72	9,77
MCS2	10,91	9,68	9,49
MCS3	8,26	7,06	7,10
MCS4	8,29	7,08	7,06
MCS5	6,90	5,65	5,94
MCS6	6,07	4,81	5,12
MCS7	5,15	4,43	4,57
Operational bands:	n-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	12,119		
Margin to Limit output power:	17,88		
Declared antenna Gain max:	2,00		
EIRP	14,12		
Margin to Limit EIRP:	21,88		
Verdict:	pass		

Operational bands:	n-mode		
Channel no.:	3	6	9
n-mode			
MCS0	11,62		10,75
MCS1	10,67		10,23
MCS2	10,27		9,86
MCS3	7,65		7,31
MCS4	8,46		8,83
MCS5	7,54		7,16
MCS6	6,56		6,12
MCS7	5,69		5,17
Operational bands:	n-mode		
FCC&IC-Limits output power [dBm]	30,00		
FCC&IC-Limits EIRP [dBm]	36,00		
Limit Check:	Limit Check:		
Highest conducted power value over channels and modulations:	11,62		
Margin to Limit output power:	18,38		
Declared antenna Gain max:	2,00		
EIRP	13,62		
Margin to Limit EIRP:	22,38		
Verdict:	pass		

1.2. General Limit - Radiated field strength emissions below 30 MHz

2.01a_b-mode_ch01_Laying

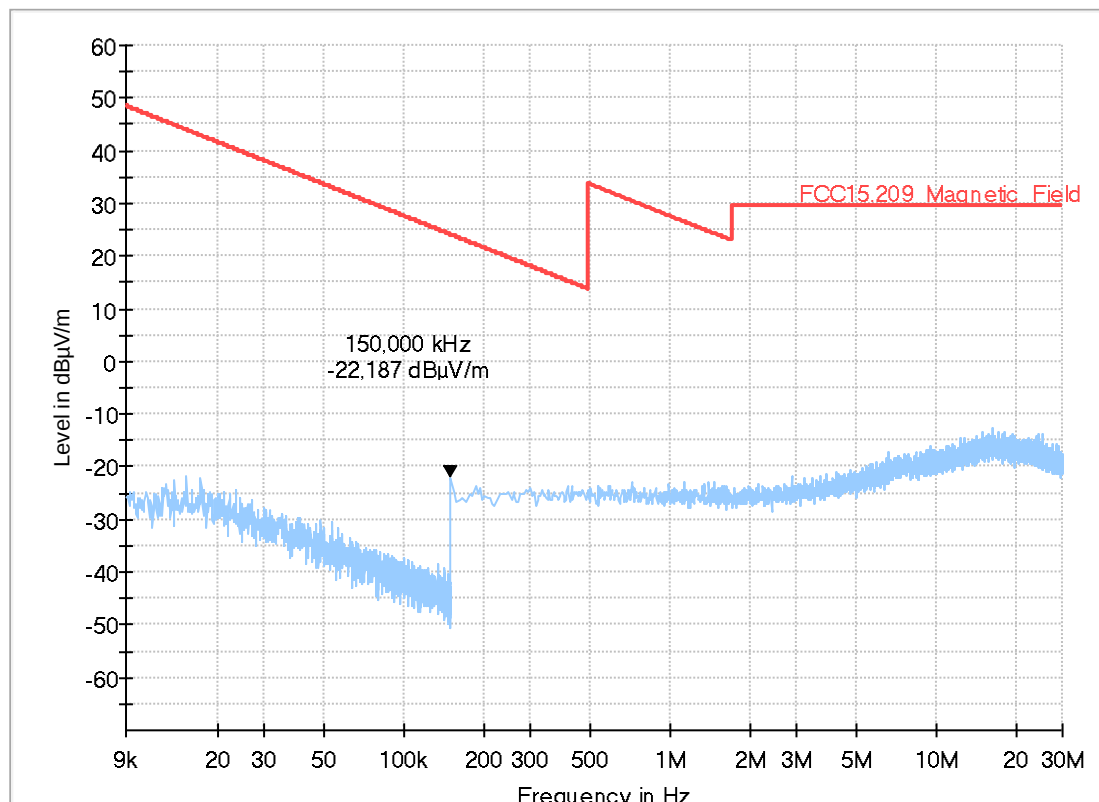
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
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 specification:	FCC 15.205 § 15.209;
Operator:	MKh
Operating Mode:	WLAN - DPM variant
Power during tests:	Batterie Betrieb
Comment 1:	b-mode 5,5MBit ch01
Environmental Conditions:	Humidity : 58,4%rH; Temperature: 20,4°C
Verdict:	Passed

EUT Information

Manufacturer:	Helmut Fischer GmbH
Model:	DPM
Type:	MMS Inspection Device
HW:	C1.3-10142823
SW:	1.1.0-S
Serial Nr.:	56
Power Supply:	Battery powered

Full Spectrum



2.01b_b-mode_ch01_Standing

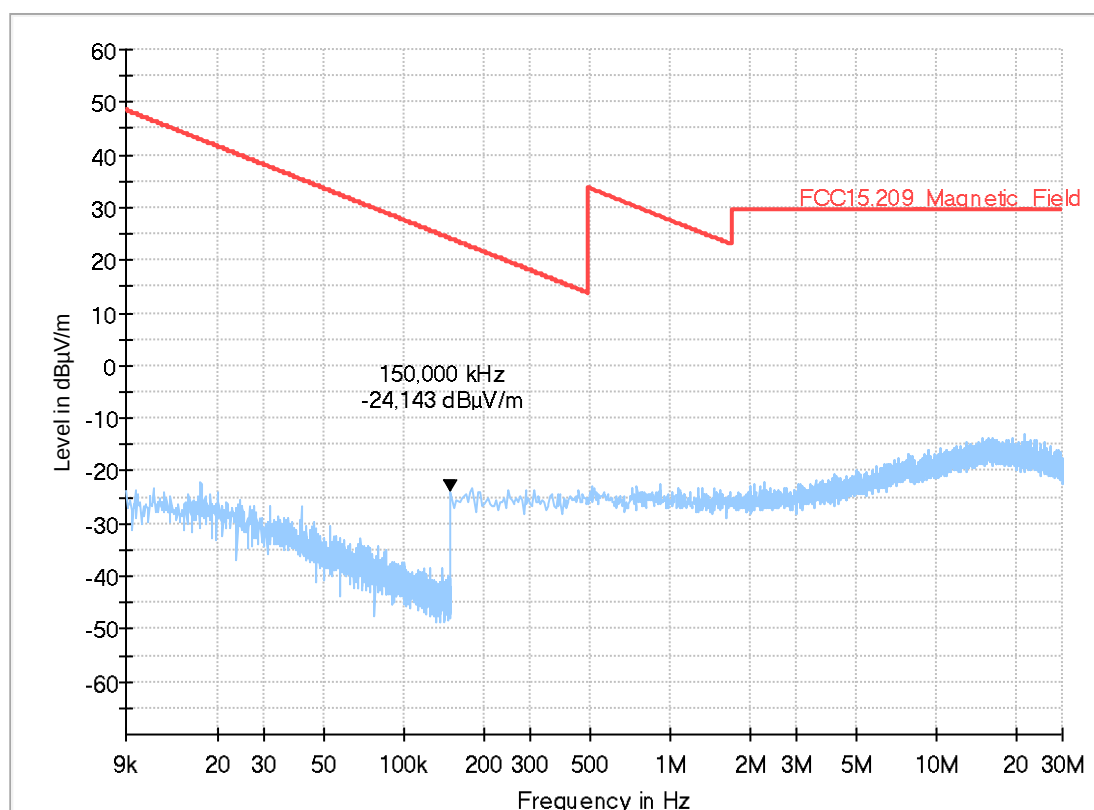
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
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 specification:	FCC 15.205 § 15.209;
Operator:	MKh
Operating Mode:	WLAN - DPM variant
Power during tests:	Batterie Betrieb
Comment 1:	b-mode 5,5MBit ch01
Environmental Conditions::	Humidity : 57,3%RH; Temperature: 20,5°C
Verdict:	Passed

EUT Information

Manufacturer:	Helmut Fischer GmbH
Model:	DPM
Type:	MMS Inspection Device
HW:	C1.3-10142823
SW:	1.1.0-S
Serial Nr.:	56
Power Supply:	Battery powered

Full Spectrum



1.3. General Limit - Radiated field strength emissions, 30 MHz - 1 GHz

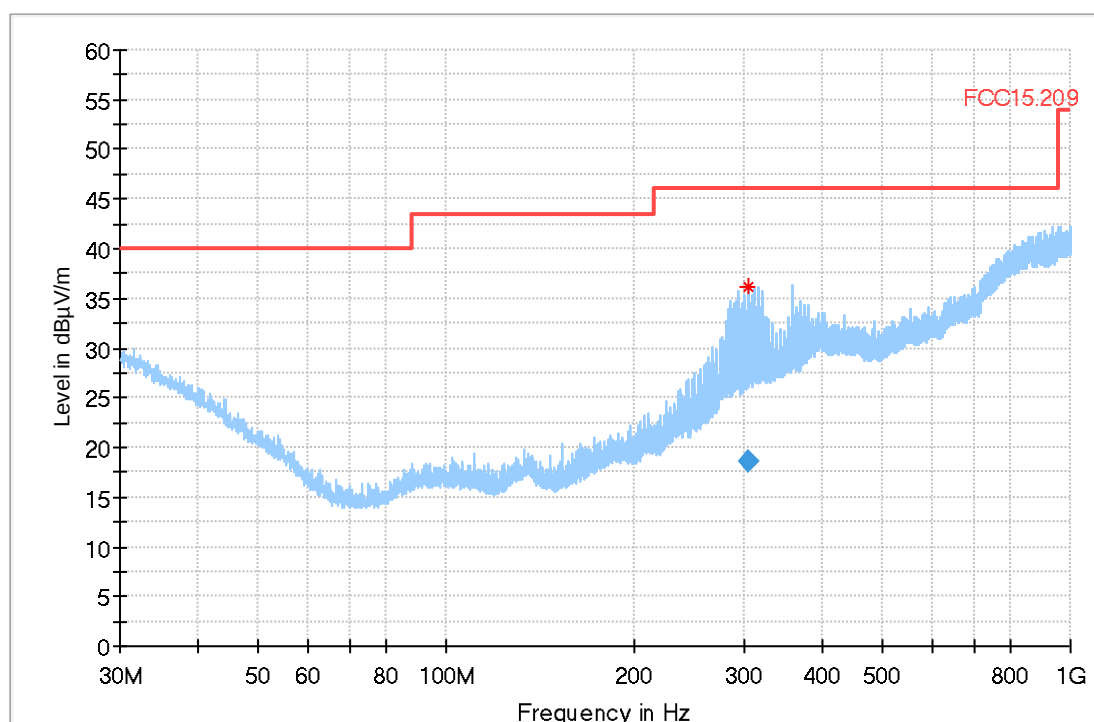
3.01a_b-mode_ch01_laying

11.06.2019 Page 1 of 4
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V9.25.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209;
 Operator: SLo
 Operating conditions: b-mode | 1Mbit| ch01
 Power during tests: 120V
 Comment 1: EUT standing (defined normal position)

EUT Information

Manufacturer: Helmut Fischer GmbH
 Model: DPM
 Type: MMS Inspection Device
 HW: C1.3-10142823
 SW: 1.1.0-S
 Serial Nr.: 56
 Power Supply: Battery powered

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
305.228000	18.49	46.00	27.51	1000.0	120.000	231.0	H	135.0	0.0	15.3

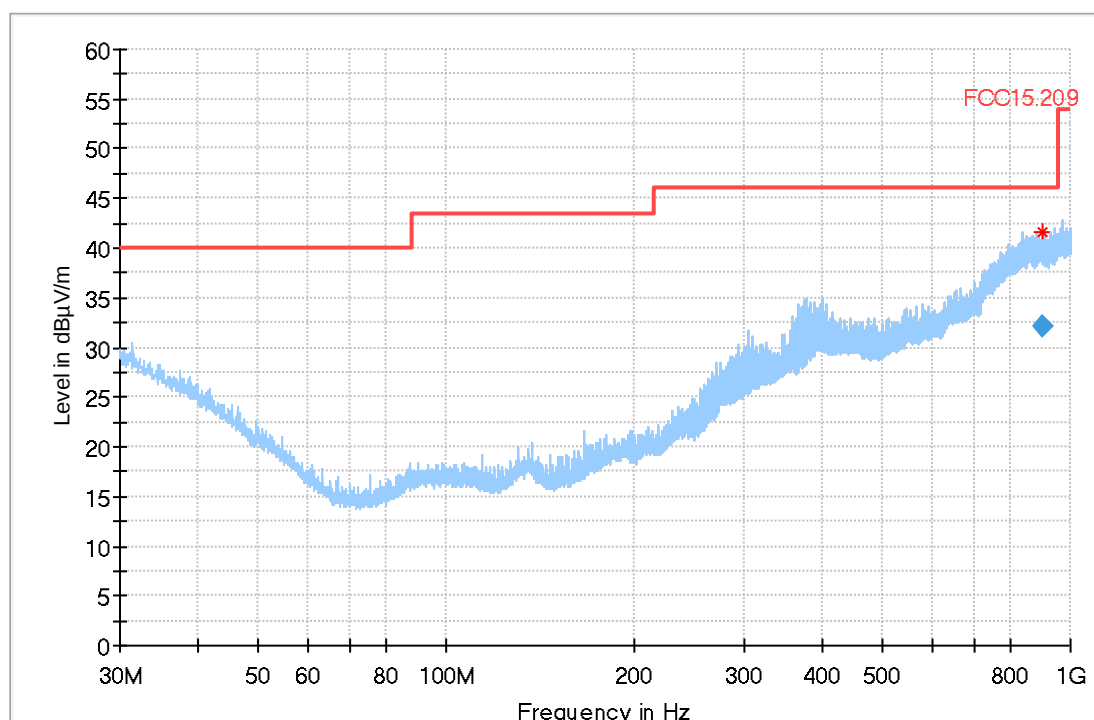
3.01b_b-mode_ch01_standing

11.06.2019 Page 1 of 4
 Test description: Electric Field Strength Measurement
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Version of Testsoftware: EMC32 V9.25.0
 Distance correction: not used
 Used filter: not used
 Technical Data: please see page 2 for detailed data of measurement setup
 Test specification.: FCC 15.209;
 Operator: TFra
 Operating conditions: b-mode | 1Mbit | ch01
 Power during tests: 2x 1.5V Battery
 Comment 1: EUT standing (defined normal position)

EUT Information

Manufacturer: Helmut Fischer GmbH
 Model: DPM
 Type: MMS Inspection Device
 HW: C1.3-10142823
 SW: 1.1.0-S
 Serial Nr.: 56
 Power Supply: Battery powered

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
902.012000	32.05	46.00	13.95	1000.0	120.000	244.0	V	350.0	0.0	27.1

3.02a_n-mode_HT40_ch03_standing

11.06.2019 Page 1 of 4

Test description: Electric Field Strength Measurement

Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance

Version of Testsoftware: EMC32 V9.25.0

Distance correction: not used

Used filter: not used

Technical Data: please see page 2 for detailed data of measurement setup

Test specification.: FCC 15.209;

Operator: TFra

Operating conditions: n-mode | HT40 | MCS0 | ch03

Power during tests: 2x 1.5V Battery

Comment 1: EUT standing (defined normal position)

EUT Information

Manufacturer: Helmut Fischer GmbH

Model: DPM

Type: MMS Inspection Device

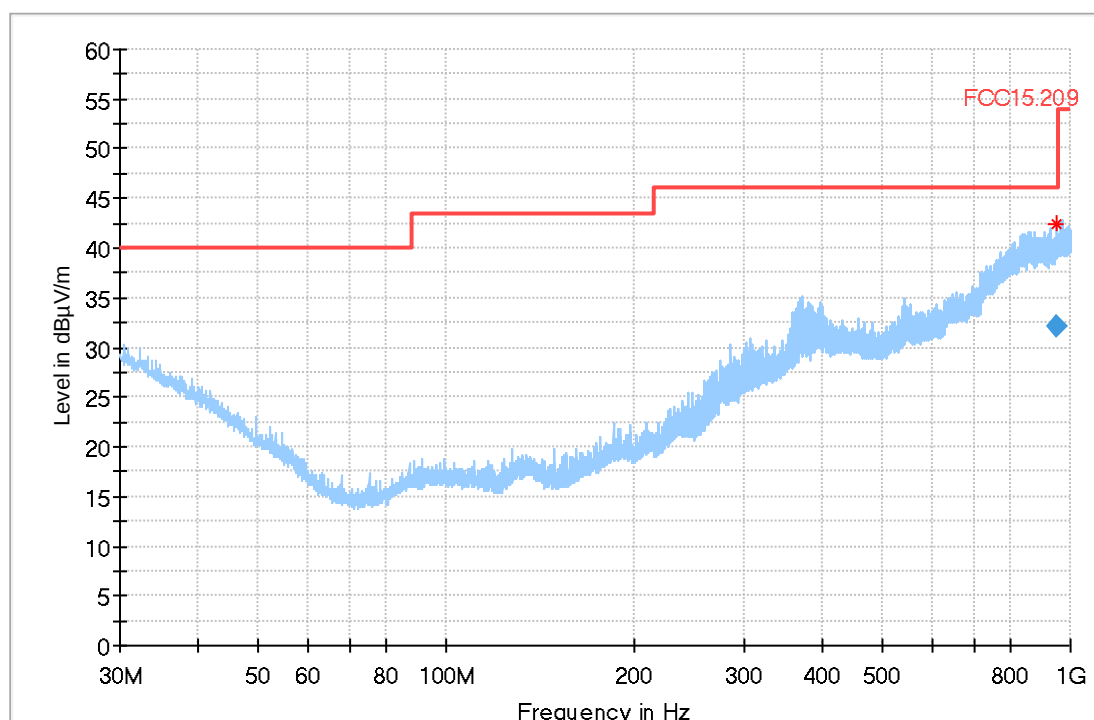
HW: C1.3-10142823

SW: 1.1.0-S

Serial Nr.: 56

Power Supply: Battery powered

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
951.268000	32.09	46.00	13.91	1000.0	120.000	253.0	V	226.0	0.0	27.4

3.02b_n-mode_HT40_ch03_laying

11.06.2019 Page 1 of 4

Test description: Electric Field Strength Measurement

Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance

Version of Testsoftware: EMC32 V9.25.0

Distance correction: not used

Used filter: not used

Technical Data: please see page 2 for detailed data of measurement setup

Test specification.: FCC 15.209;

Operator: TFra

Operating conditions: n-mode | HT40 | MCS0 | ch03

Power during tests: 2x 1.5V Battery

Comment 1: EUT standing (defined normal position)

EUT Information

Manufacturer: Helmut Fischer GmbH

Model: DPM

Type: MMS Inspection Device

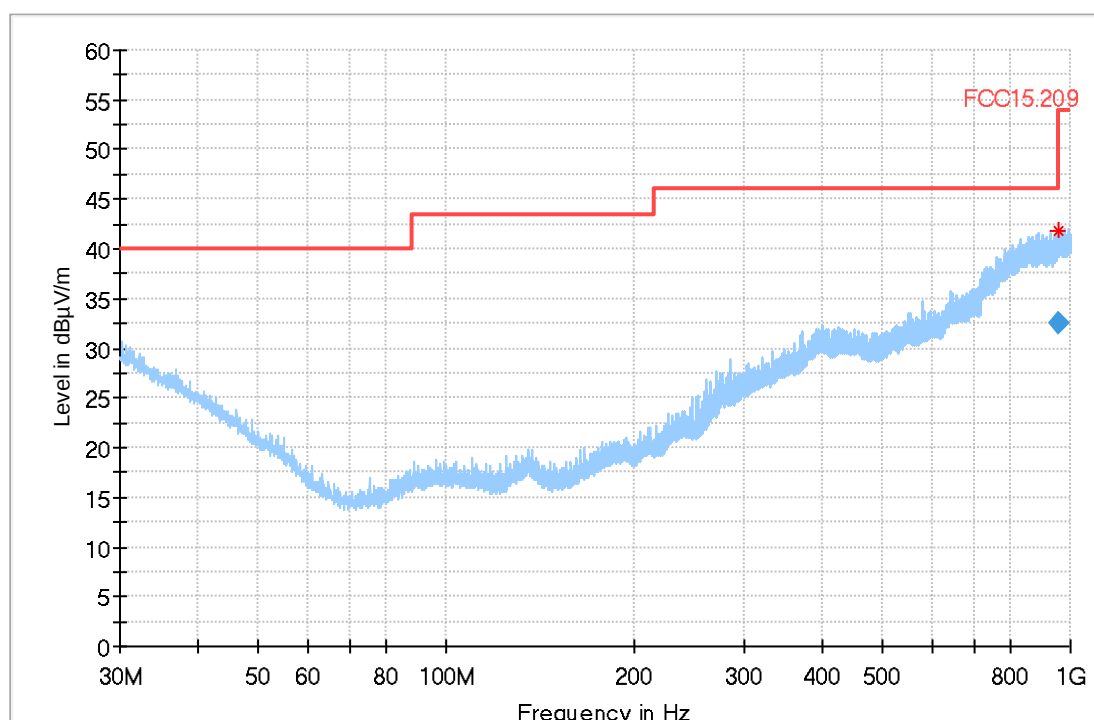
HW: C1.3-10142823

SW: 1.1.0-S

Serial Nr.: 56

Power Supply: Battery powered

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
958.968000	32.46	46.00	13.54	1000.0	120.000	165.0	V	63.0	0.0	27.6

1.4. General Limit - Radiated emissions, above 1 GHz

4.01a_b-mode_ch01_1-2,8GHz

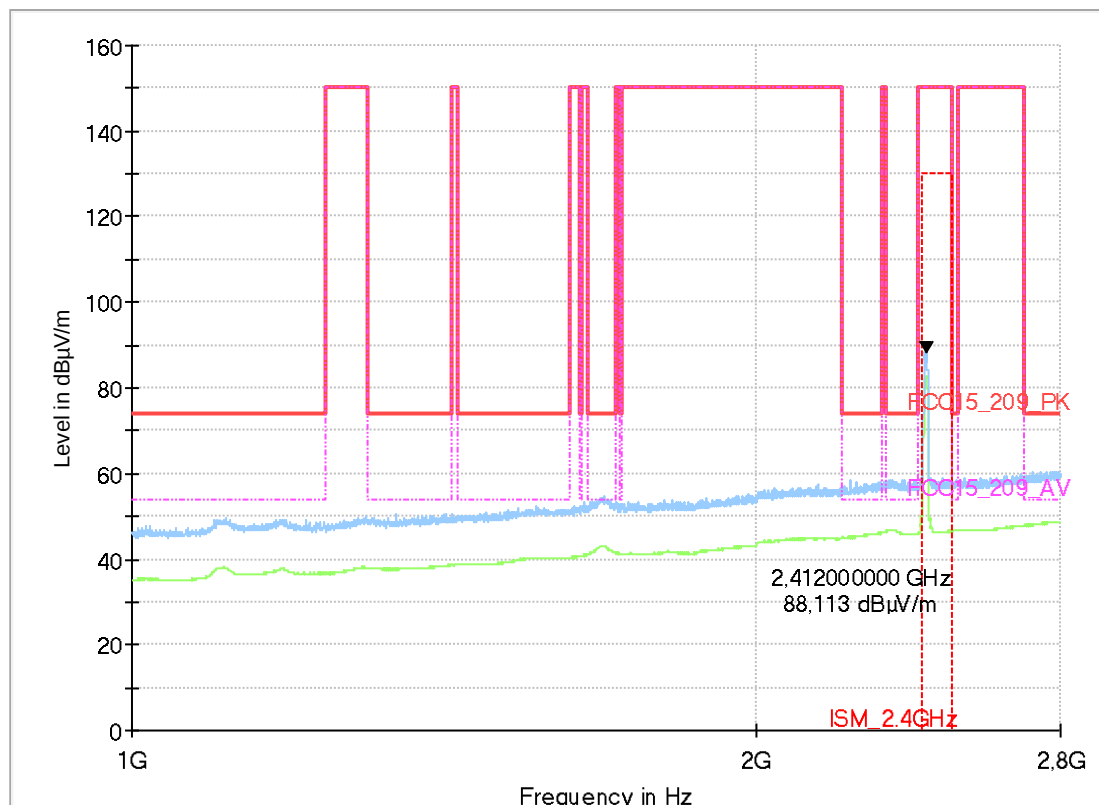
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	WLAN 2,4GHz
Operator:	LKu
Comment:	Channel no. low/middle/high
Comment2:	Modulation Type: b-mode Data Rate: 5,5Mbit
EUT Setup:	WLAN
Verdict:	Passed

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



4.01b_b-mode_ch01_2,8-18GHz

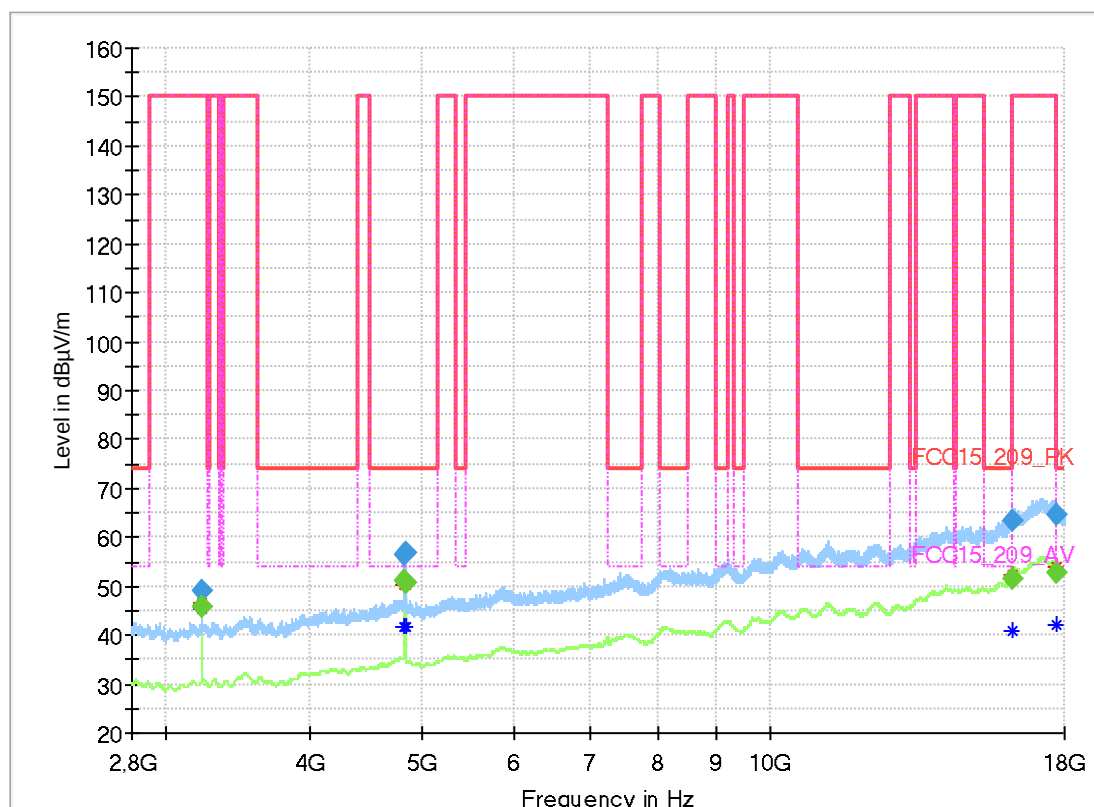
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	WLAN 2,4GHz
Operator:	RIs
Comment:	Modulation Type: b-mode Data Rate: 5,5Mbit

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin	Meas. Time (ms)	Bandwidth	Height	Pol	Azimuth	Elevation
3216.010000	---	45.85	150.00	104.15	100.0	1000.000	155.0	V	91.0	0.0
3216.010000	49.26	---	150.00	100.74	100.0	1000.000	155.0	V	92.0	0.0
4818.610000	---	50.94	54.00	3.06	100.0	1000.000	155.0	V	218.0	90.0
4818.730000	56.59	---	74.00	17.41	100.0	1000.000	155.0	V	232.0	90.0
4829.250000	56.70	---	74.00	17.30	100.0	1000.000	155.0	V	216.0	90.0
4829.370000	---	50.73	54.00	3.27	100.0	1000.000	155.0	V	230.0	90.0
16199.330000	---	51.47	54.00	2.53	100.0	1000.000	155.0	H	-20.0	90.0
16199.770000	63.31	---	74.00	10.69	100.0	1000.000	155.0	H	72.0	0.0
17700.210000	---	52.67	54.00	1.33	100.0	1000.000	155.0	V	227.0	0.0
17700.570000	64.70	---	74.00	9.30	100.0	1000.000	155.0	V	96.0	0.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr. (dB)	Comment
3216.010000	1.8	15:57:19 - 13.06.2019
3216.010000	1.8	15:49:42 - 13.06.2019
4818.610000	6.0	16:04:14 - 13.06.2019
4818.730000	6.0	15:53:28 - 13.06.2019
4829.250000	5.9	15:55:16 - 13.06.2019
4829.370000	5.9	16:06:00 - 13.06.2019
16199.330000	27.7	16:01:44 - 13.06.2019
16199.770000	27.7	15:47:38 - 13.06.2019
17700.210000	28.7	15:59:16 - 13.06.2019
17700.570000	28.7	15:51:25 - 13.06.2019

4.02a_n-mode_HT40_ch03_1-18GHz

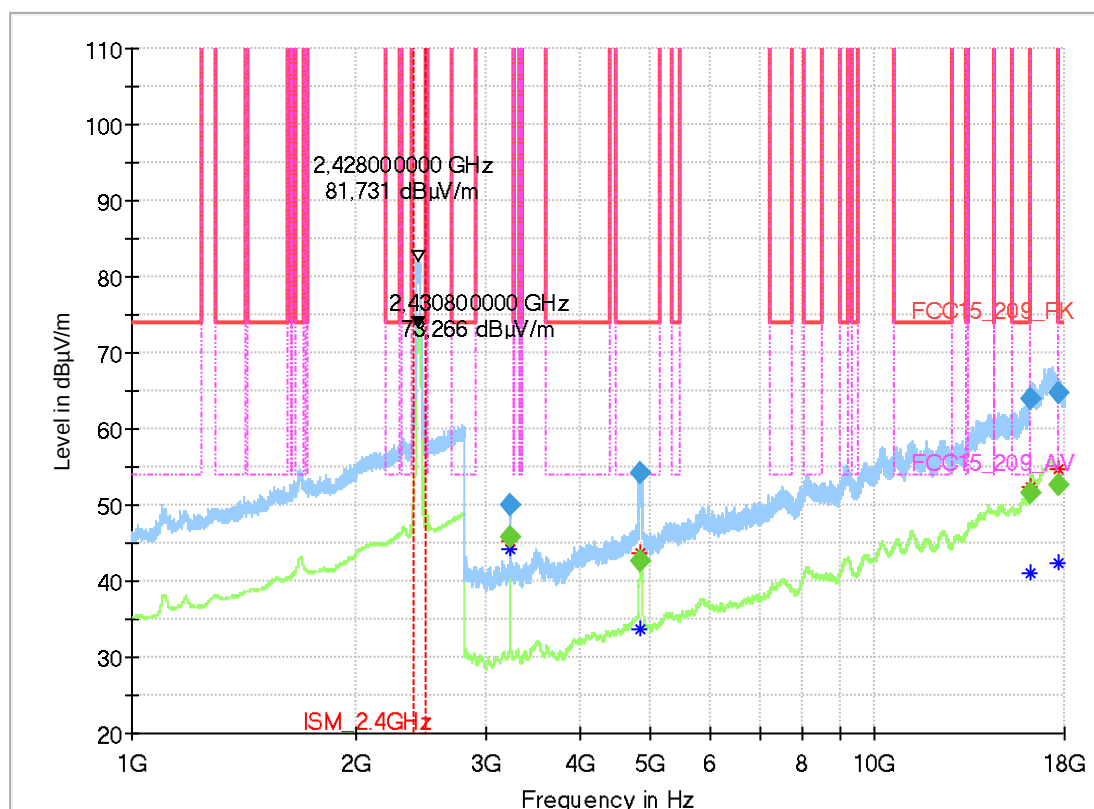
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode HT40 MCS0 ch03
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

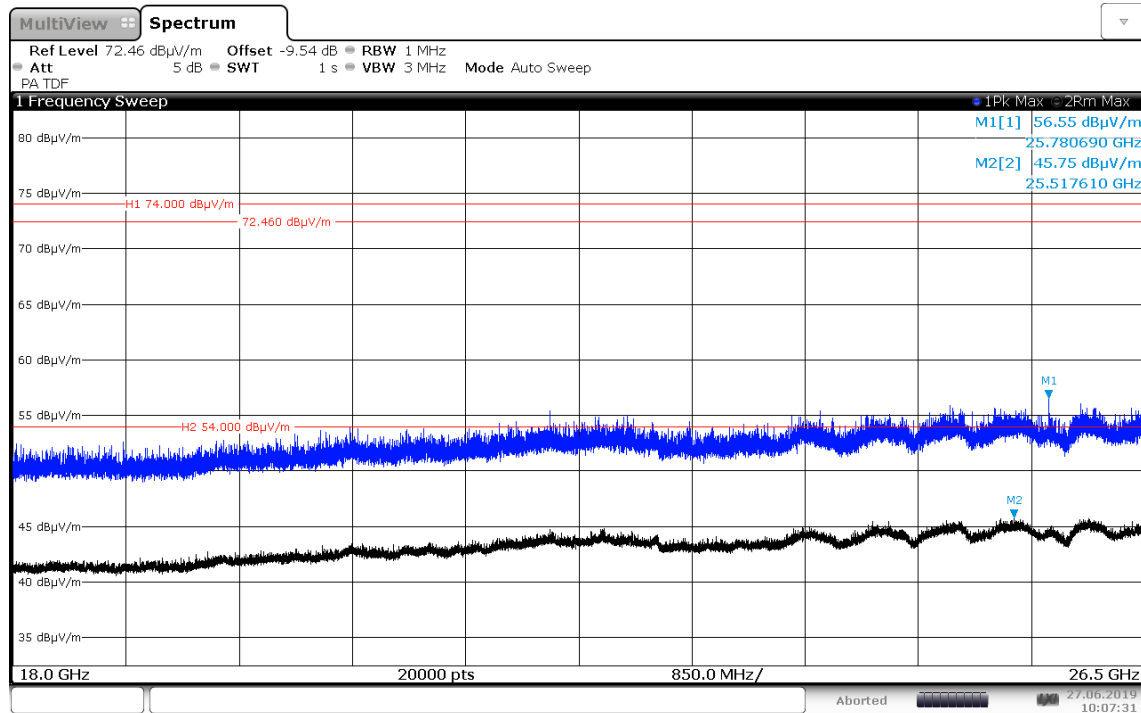
Full Spectrum



Final Result

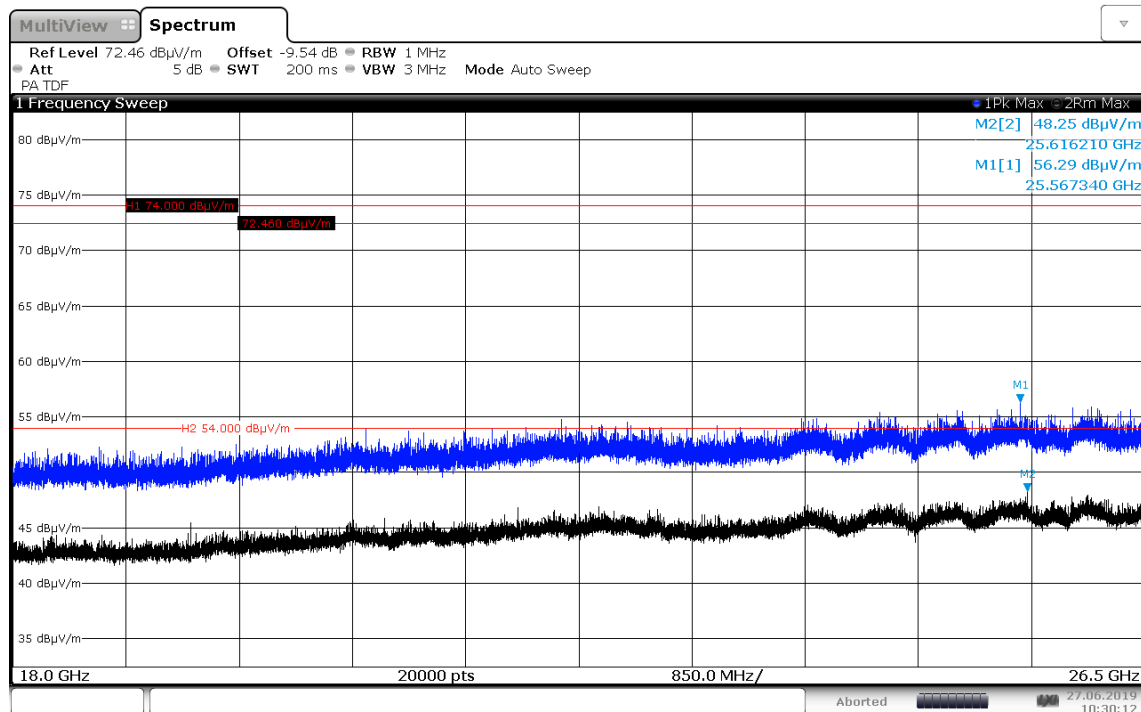
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/ m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
3227.410000	---	150.00	104.23	100.0	1000.000	V	92.0	0.0	2
3227.650000	49.97	150.00	100.03	100.0	1000.000	V	91.0	0.0	2
4841.370000	---	54.00	11.43	100.0	1000.000	V	217.0	90.0	6
4841.450000	54.12	74.00	19.88	100.0	1000.000	V	230.0	90.0	6
16198.850000	---	54.00	2.53	100.0	1000.000	V	-15.0	0.0	28
16199.650000	63.90	74.00	10.10	100.0	1000.000	H	0.0	90.0	28
17700.170000	64.82	74.00	9.18	100.0	1000.000	V	244.0	0.0	29
17700.210000	---	54.00	1.33	100.0	1000.000	H	9.0	90.0	29

4.01c_b-mode_ch01



10:07:32 27.06.2019

4.02b_n-mode_HT40_ch03



10:30:13 27.06.2019

1.5. RF-Parameter - Band Edge compliance measurements

9.01a_b-mode_ch01

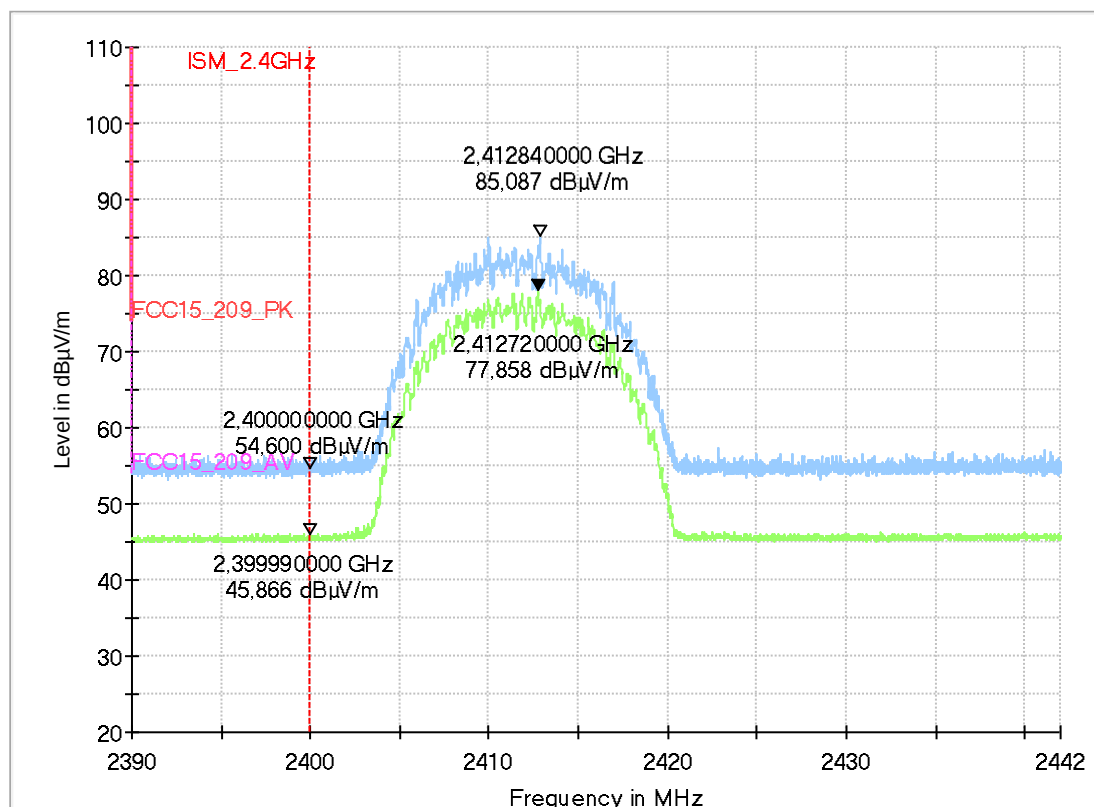
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	b-mode 5,5MBit ch01
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



9.01b_b-mode_ch11

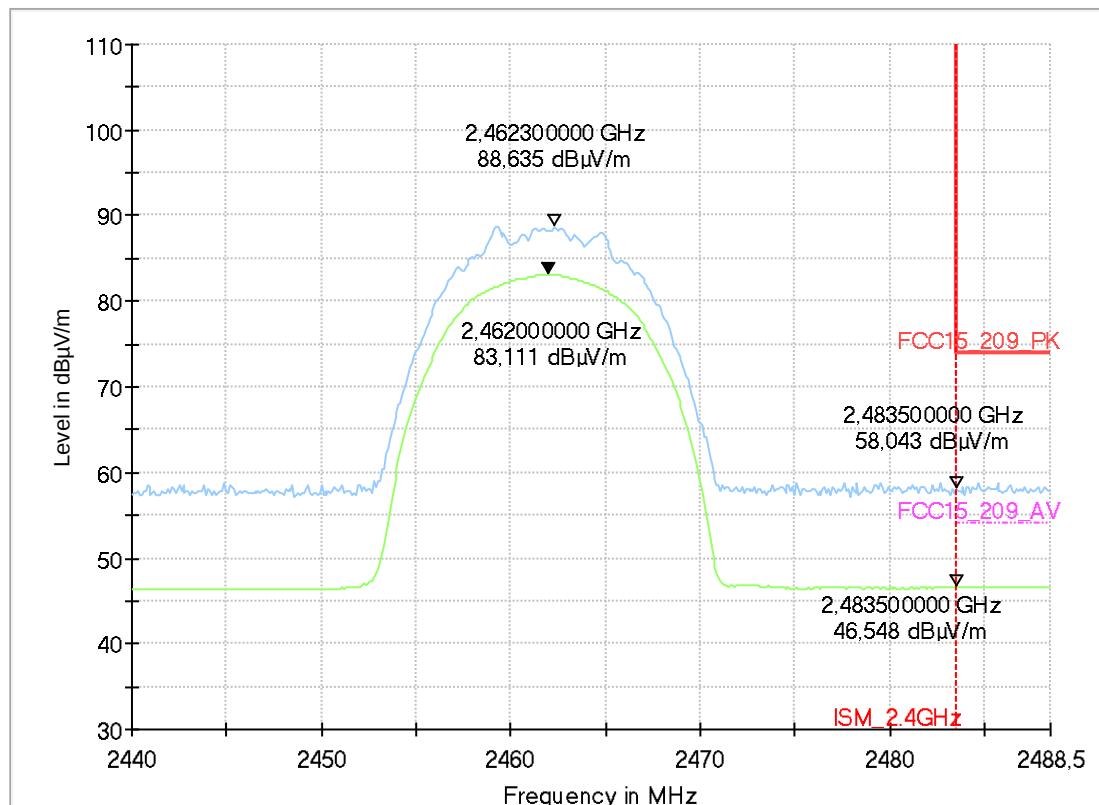
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	b-mode 5,5MBit ch11
Operator:	RI

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



9.02a_g-mode_ch01

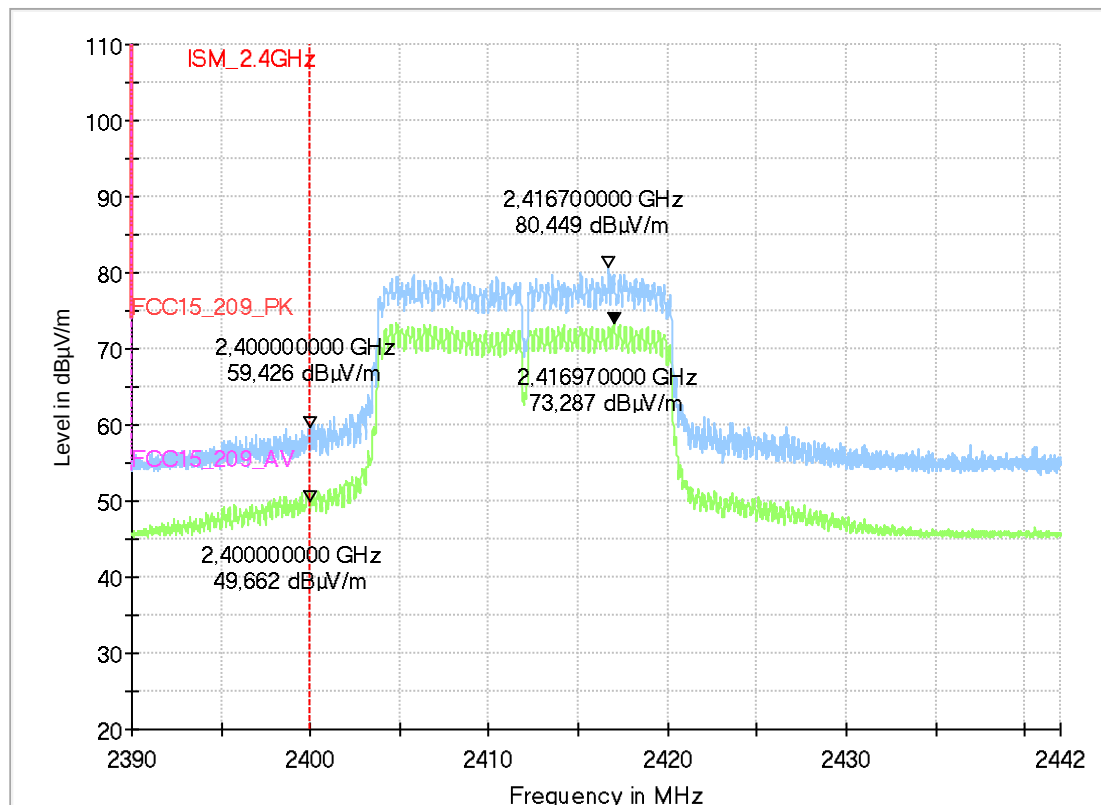
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	g-mode 12MBit ch01
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



9.02b_g-mode_ch11

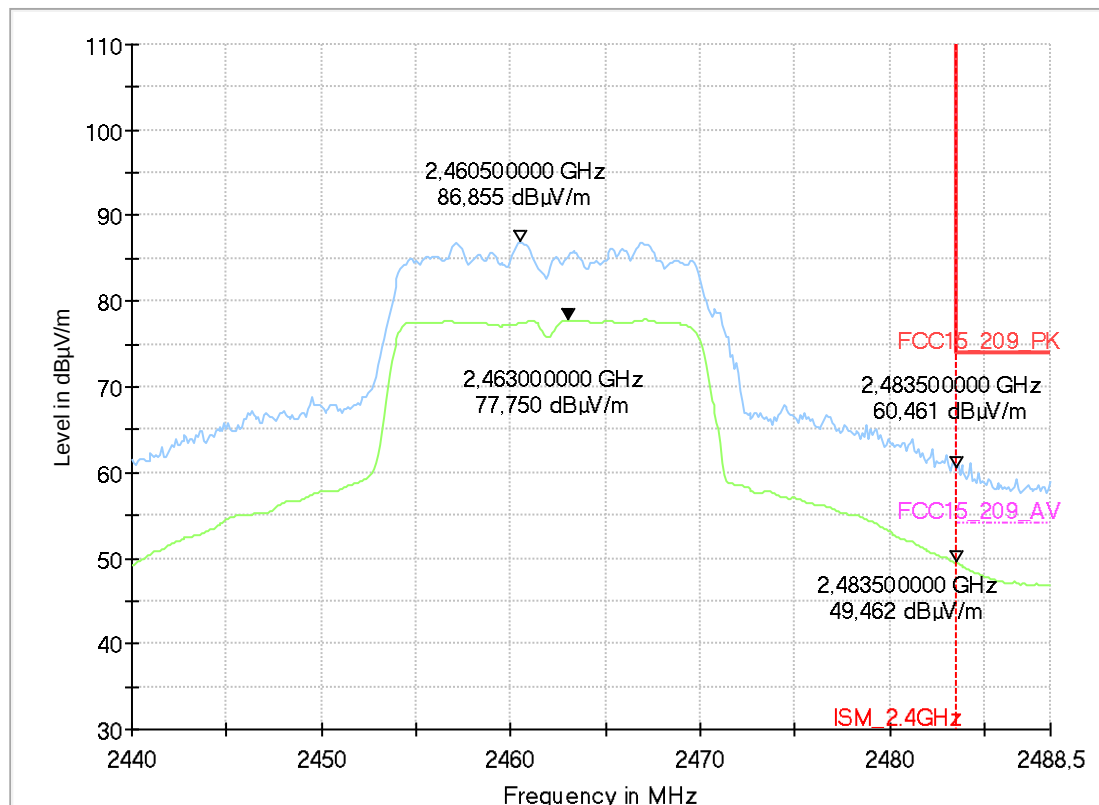
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	g-mode 12MBit ch11
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



9.03a_n-mode_ch01

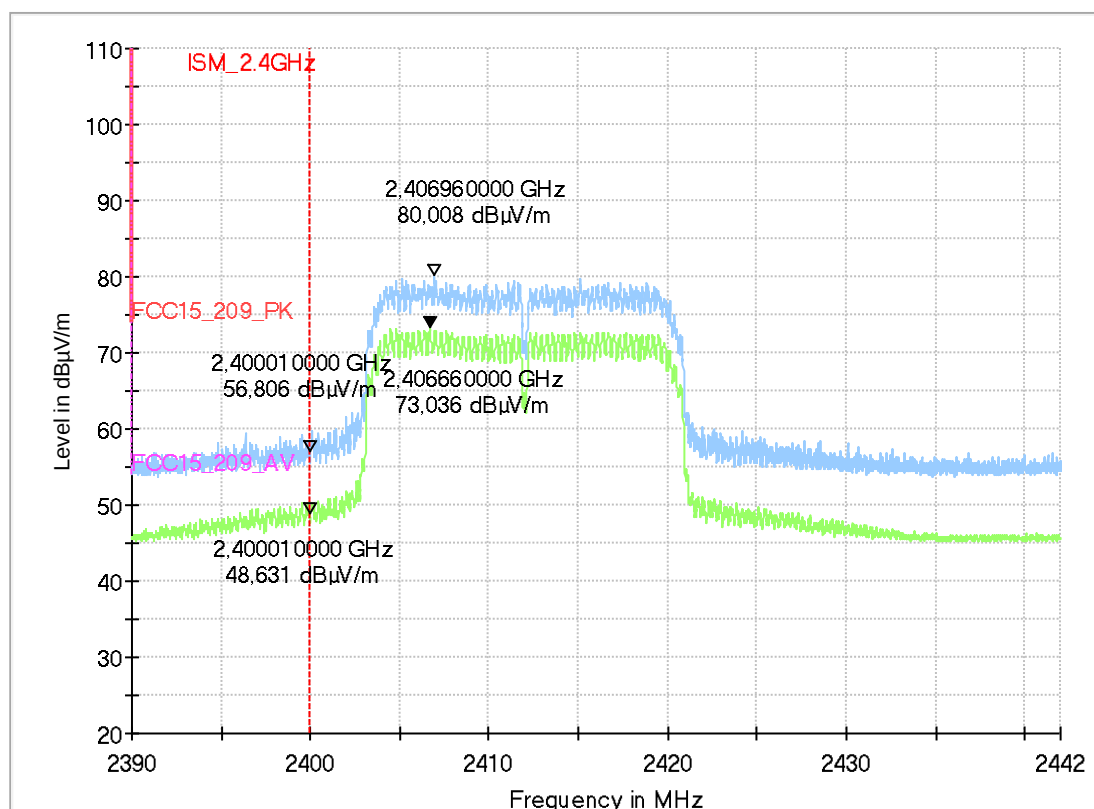
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode HT20 MCS2 ch01
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



9.03b_n-mode_ch11

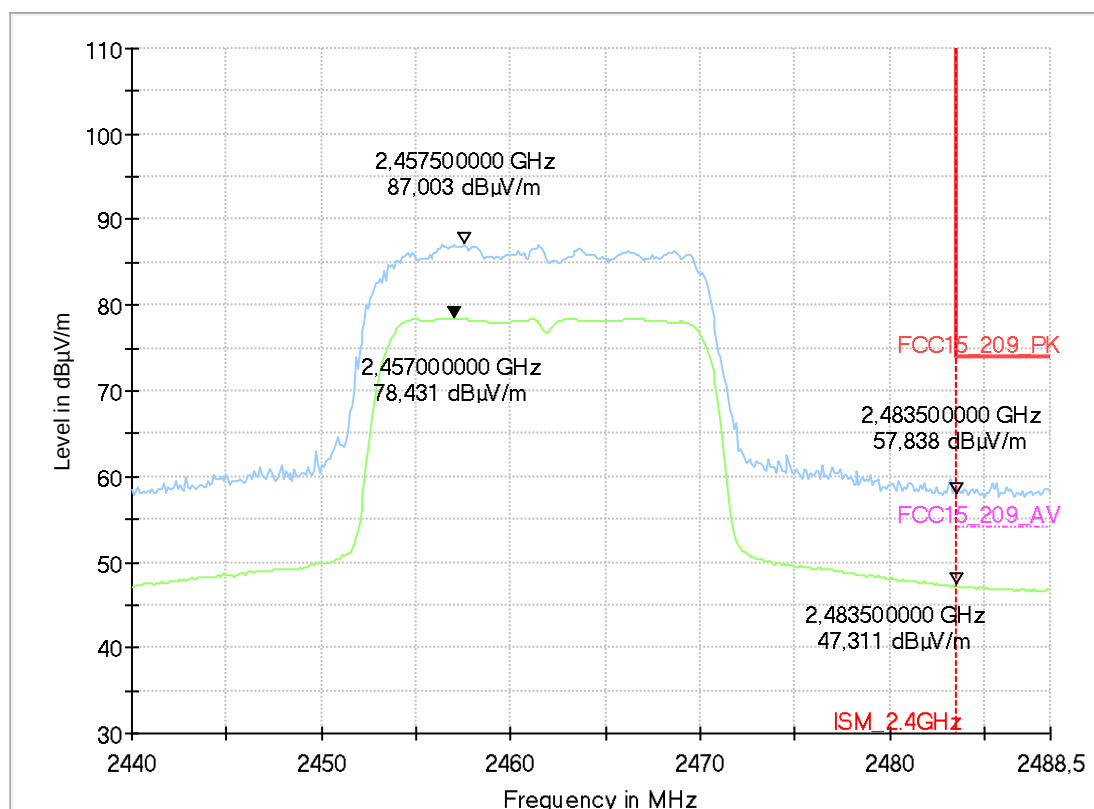
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode HT20 MCS2 ch11
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

Full Spectrum



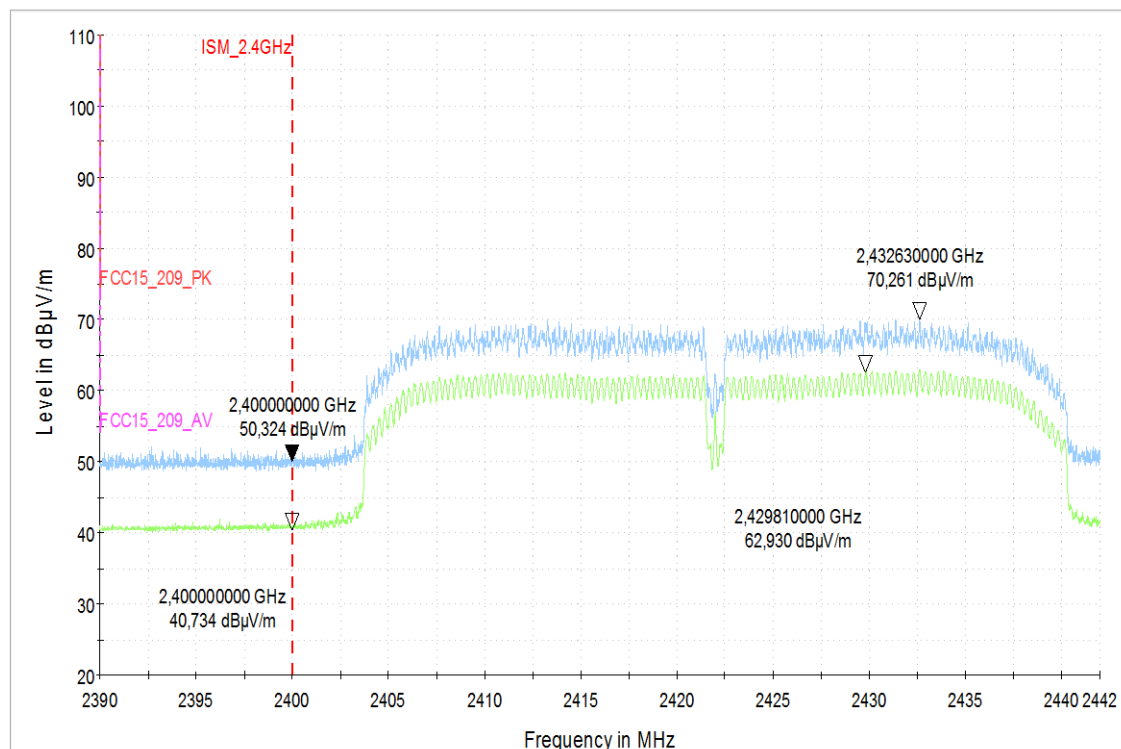
9.04a_n-mode_ch03

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode HT40 MCS0 ch03
Operator:	RLs

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)



9.04b_n-mode_ch09

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator /
Antenna polarisation:	horizontal/vertical
Operating Mode:	WLAN High
Environmental Conditions:	Humidity : 61%rH; Temperature: 21°C
Comment:	n-mode ch09
Operator:	LKu

EUT Information

Manufacturer:	Helmut Fischer GmbH
Product:	Messgerät
Model:	MMS Inspection DPM
HW version:	Revision C1.3 - 10142823
SW version:	1.1.0-S
Serial number:	56
Power Supply:	2x AA Battery (1.5V)

