

**3.18a\_ac-mode\_MCS7\_ch062**

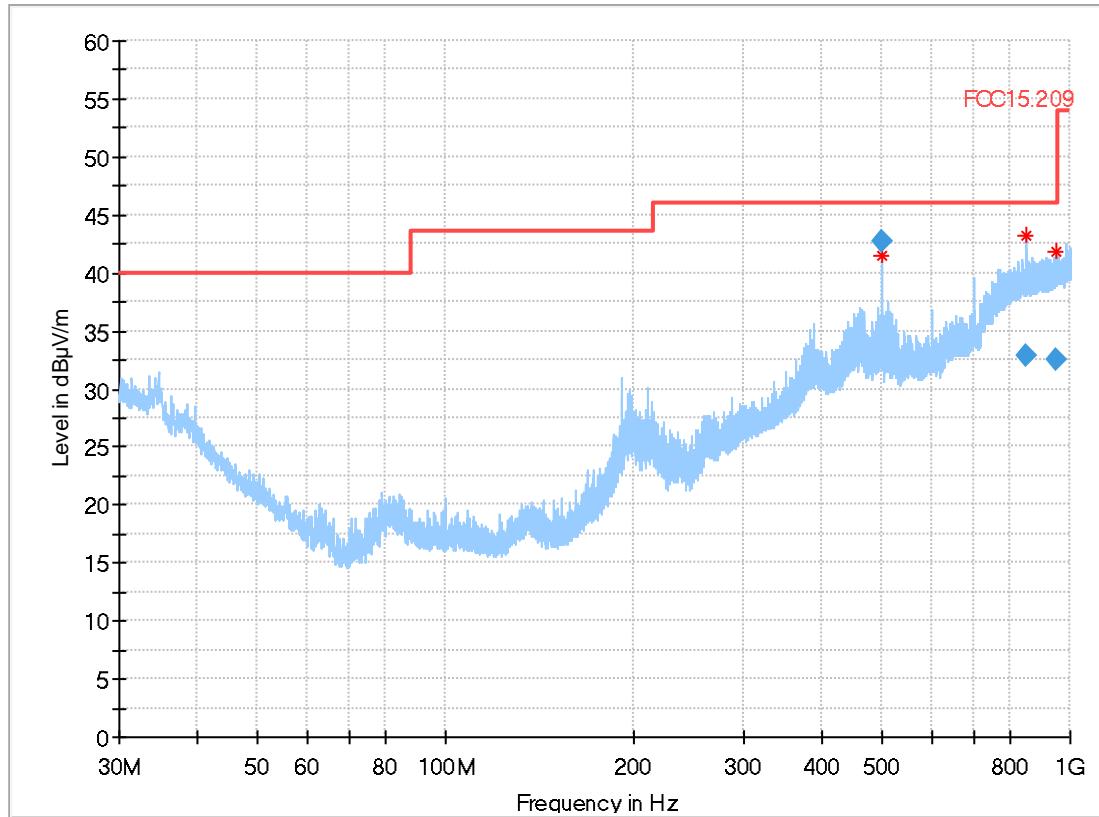
Test description:  
 Test site and distance:  
 Version of Testsoftware:  
 Distance correction:  
 Used filter:  
 Technical Data:  
 Test specification.:  
 Operator:  
 Operating conditions:  
 Power during tests:

Electric Field Strength Measurement  
 Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance  
 EMC32 V9.25.0  
 not used  
 not used  
 please see page 2 for detailed data of measurement setup  
 FCC 15.209; RSS-Gen: Issue 3  
 MSO  
 ac-mode | HT40 || MCS7 | ch062  
 120V

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: thermomix  
 Type: Household equipment with WLAN  
 HW: NWOT  
 SW: 0.18.109-201808300615  
 Serial Nr.: 18434212024100415  
 Power Supply: 120V AC

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)
499.936000	42.76	46.00	3.24	1000.0	120.000	145.0	H	-4.0	0.0	19.5
849.732000	32.85	46.00	13.15	1000.0	120.000	153.0	H	188.0	0.0	26.0
949.120000	32.49	46.00	13.51	1000.0	120.000	337.0	H	237.0	0.0	27.1

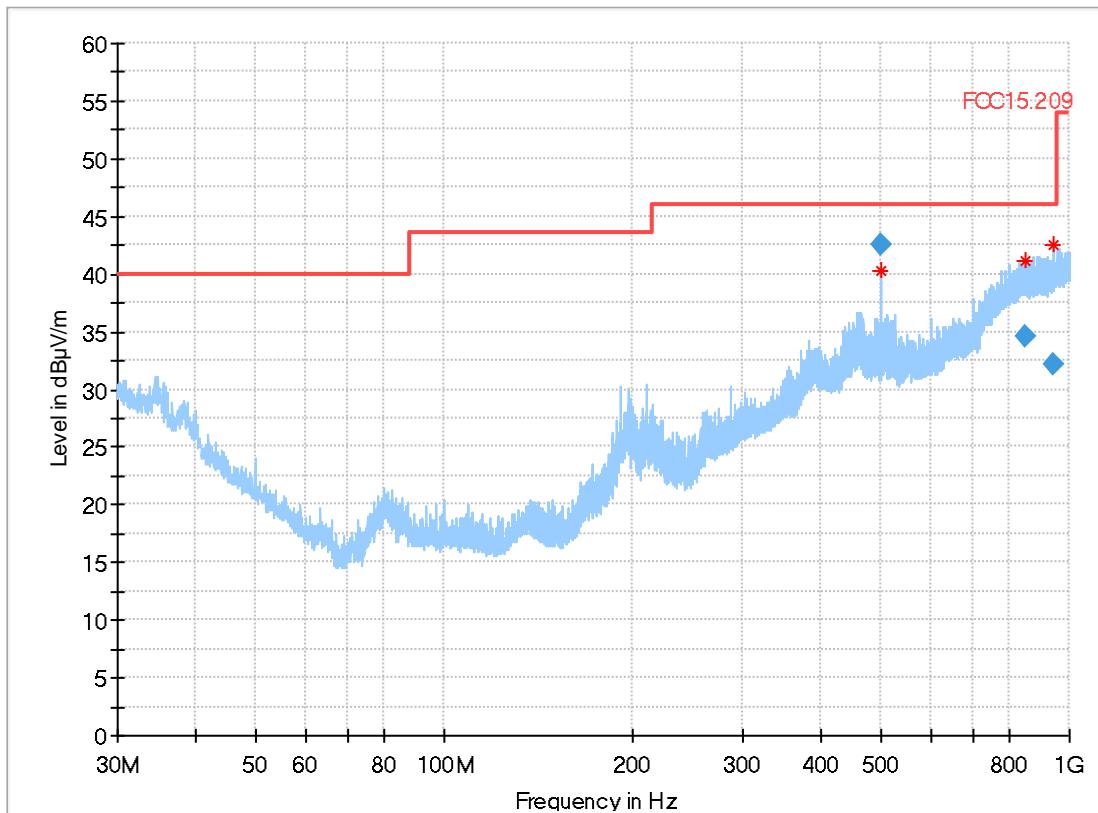
### 3.19a\_ac-mode\_MCS7\_ch134

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; RSS-Gen: Issue 3  
 Operator: MSO  
 Operating conditions: ac-mode | HT40 || MCS7 | ch134  
 Power during tests: 120V

#### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: thermomix  
 Type: Household equipment with WLAN  
 HW: NWOT  
 SW: 0.18.109-201808300615  
 Serial Nr.: 18434212024100415  
 Power Supply: 120V AC

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)
499.936000	42.49	46.00	3.51	1000.0	120.000	159.0	H	-4.0	0.0	19.5
851.104000	34.51	46.00	11.49	1000.0	120.000	112.0	H	183.0	0.0	25.7
942.256000	32.17	46.00	13.83	1000.0	120.000	368.0	H	-4.0	0.0	26.9

**3.20a\_ac-mode\_MCS7\_ch159**

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; RSS-Gen: Issue 3

Operator:

MSo

Operating conditions:

ac-mode | HT40 || MCS7 | ch159

Power during tests:

120V

**EUT Information**

Manufacturer:

Vorwerk Elektroware GmbH + Co. KG

Model:

thermomix

Type:

Household equipment with WLAN

HW:

NWOT

SW:

0.18.109-201808300615

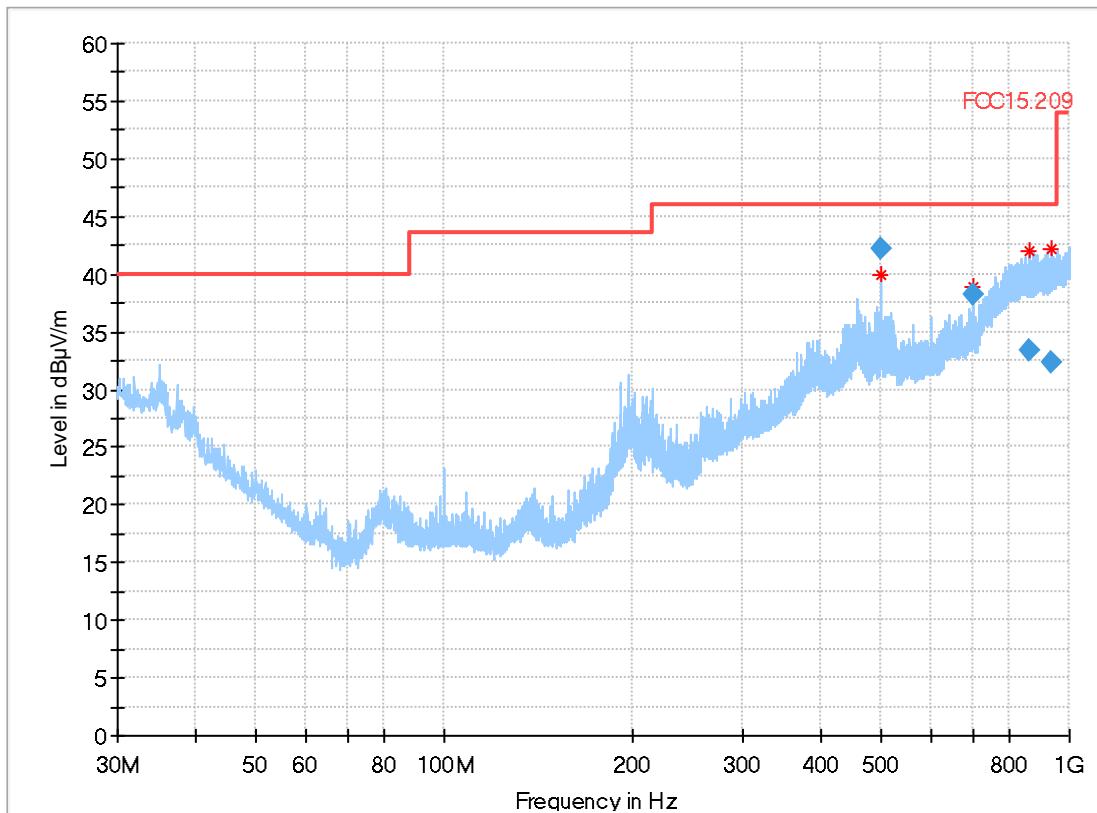
Serial Nr.:

18434212024100415

Power Supply:

120V AC

Full Spectrum

**Final Result**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margi n (dB)	Meas. Time (ms)	Bandwidth (kHz)	Heigh t (cm)	Pol	Azimut h (deg)	Elevatio n (deg)	Corr . (dB)
499.936000	42.25	46.00	3.75	1000.0	120.000	162.0	H	-6.0	0.0	19.5
699.912000	38.29	46.00	7.71	1000.0	120.000	105.0	H	-8.0	0.0	23.7
862.396000	33.34	46.00	12.66	1000.0	120.000	105.0	H	165.0	0.0	25.8
937.192000	32.32	46.00	13.68	1000.0	120.000	260.0	H	324.0	0.0	27.0

### 3.2.3. 80MHz Bandwidth

#### ac-mode

##### 3.21a\_ac-mode\_MCS0\_ch042

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; RSS-Gen: Issue 3

Operator:

TFr

Operating conditions:

ac-mode | HT80 || MCS0 | ch42

Power during tests:

120V

#### EUT Information

Manufacturer:

Vorwerk Elektroware GmbH + Co. KG

Model:

thermomix

Type:

Household equipment with WLAN

HW:

NWOT

SW:

0.18.109-201808300615

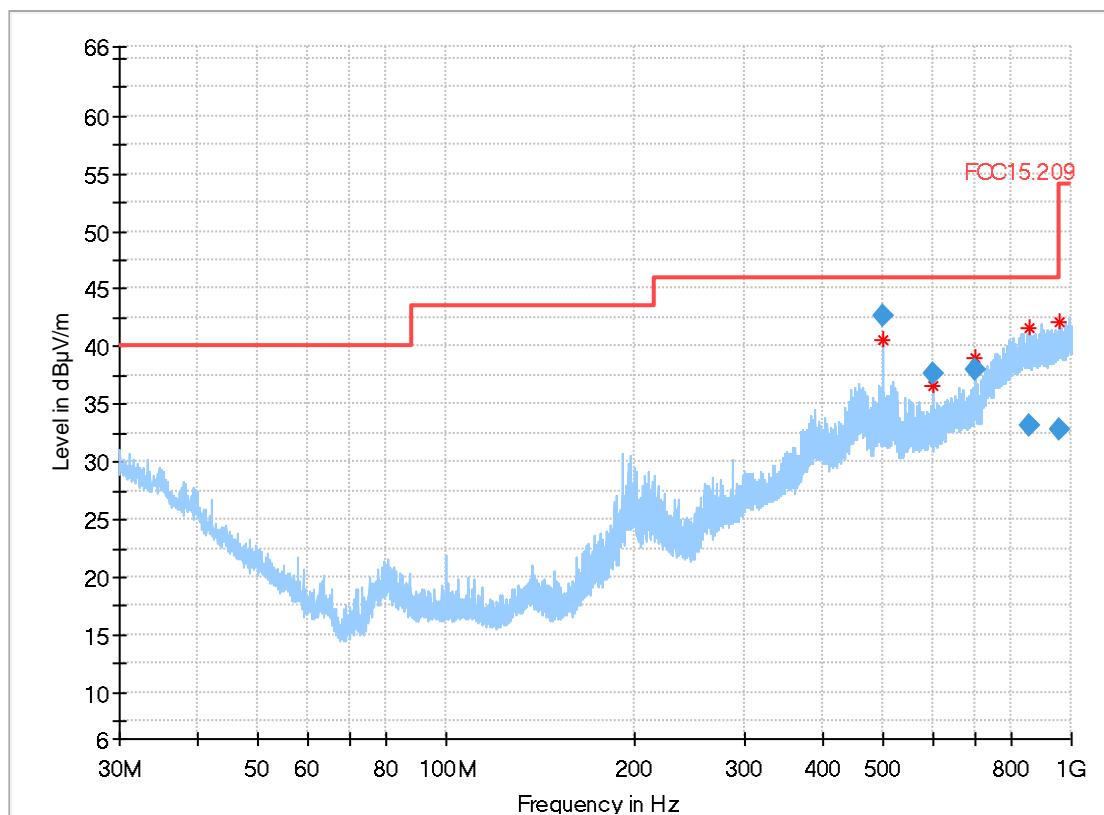
Serial Nr.:

18434212024100415

Power Supply:

120V AC

Full Spectrum



#### Final\_Result

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
499.936000	42.62	46.00	3.38	1000.0	120.000	154.0	H	4.0	0.0	19.5
599.924000	37.60	46.00	8.40	1000.0	120.000	169.0	H	208.0	0.0	22.0
699.912000	38.03	46.00	7.97	1000.0	120.000	113.0	H	2.0	0.0	23.7
856.240000	33.22	46.00	12.78	1000.0	120.000	226.0	H	164.0	0.0	25.7
958.696000	32.79	46.00	13.21	1000.0	120.000	294.0	H	225.0	0.0	27.5

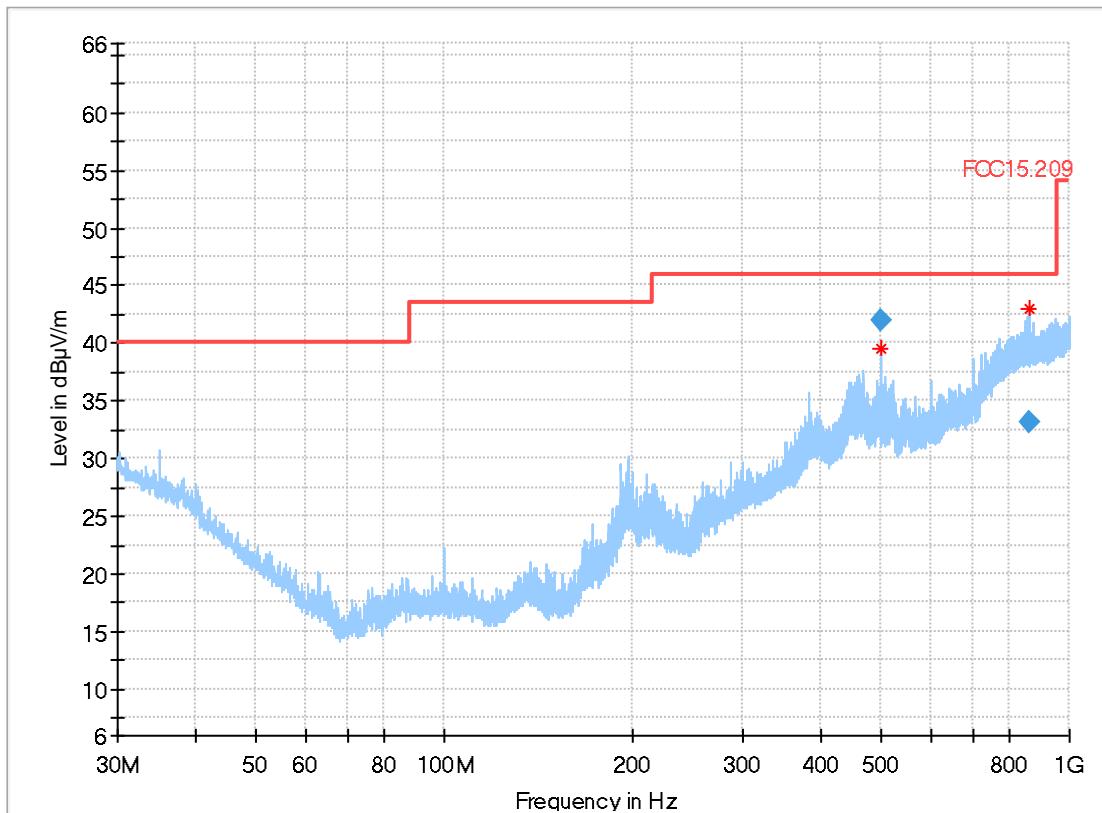
### 3.22a\_ac-mode\_MCS0\_ch58

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; RSS-Gen: Issue 3  
 Operator: TFr  
 Operating conditions: ac-mode | HT80 || MCS0 | ch106  
 Power during tests: 120V

#### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: thermomix  
 Type: Household equipment with WLAN  
 HW: NWOT  
 SW: 0.18.109-201808300615  
 Serial Nr.: 18434212024100415  
 Power Supply: 120V AC

Full Spectrum



#### Final Result

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	MARGIN (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
499.936000	42.05	46.00	3.95	1000.0	120.000	150.0	H	-9.0	0.0	19.5
864.744000	33.21	46.00	12.79	1000.0	120.000	142.0	H	140.0	0.0	25.9

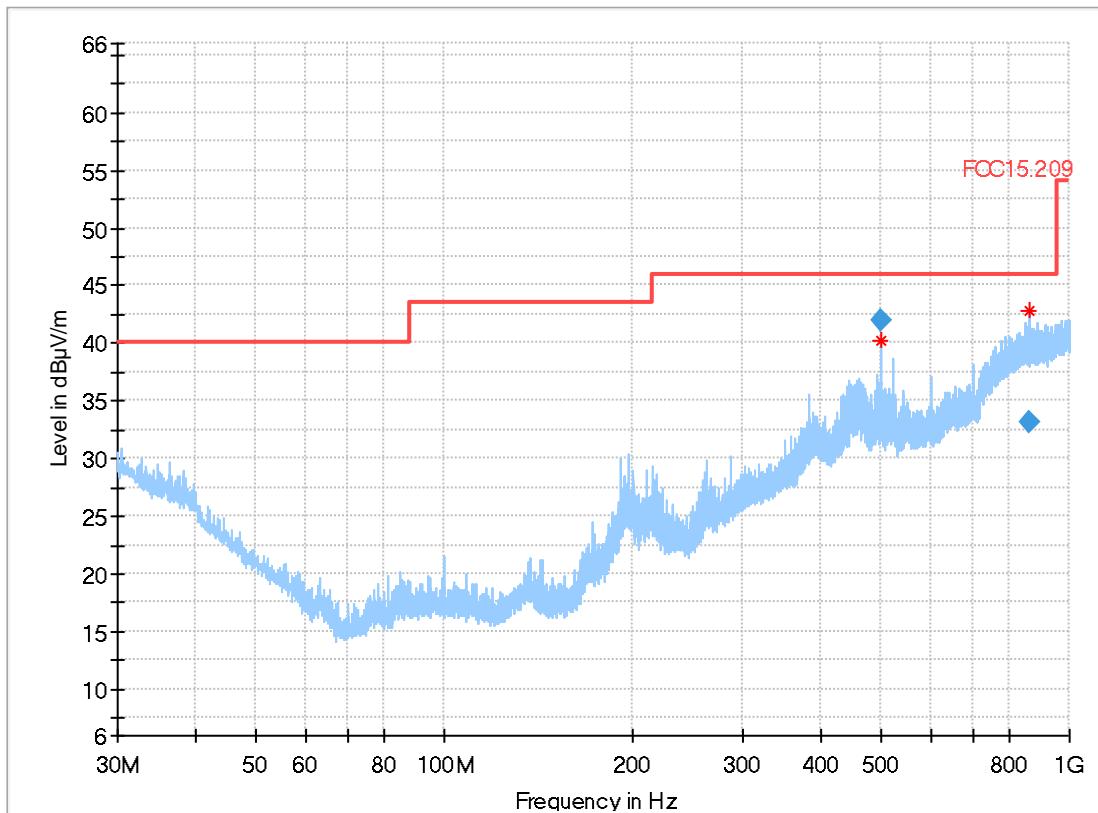
**3.23a\_ac-mode\_MCS0\_ch106**

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; RSS-Gen: Issue 3  
 Operator: TFr  
 Operating conditions: ac-mode | HT80 || MCS0 | ch106  
 Power during tests: 120V

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: thermomix  
 Type: Household equipment with WLAN  
 HW: NWOT  
 SW: 0.18.109-201808300615  
 Serial Nr.: 18434212024100415  
 Power Supply: 120V AC

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)
499.936000	42.03	46.00	3.97	1000.0	120.000	144.0	H	0.0	0.0	19.5
859.740000	33.09	46.00	12.91	1000.0	120.000	316.0	H	317.0	0.0	25.7

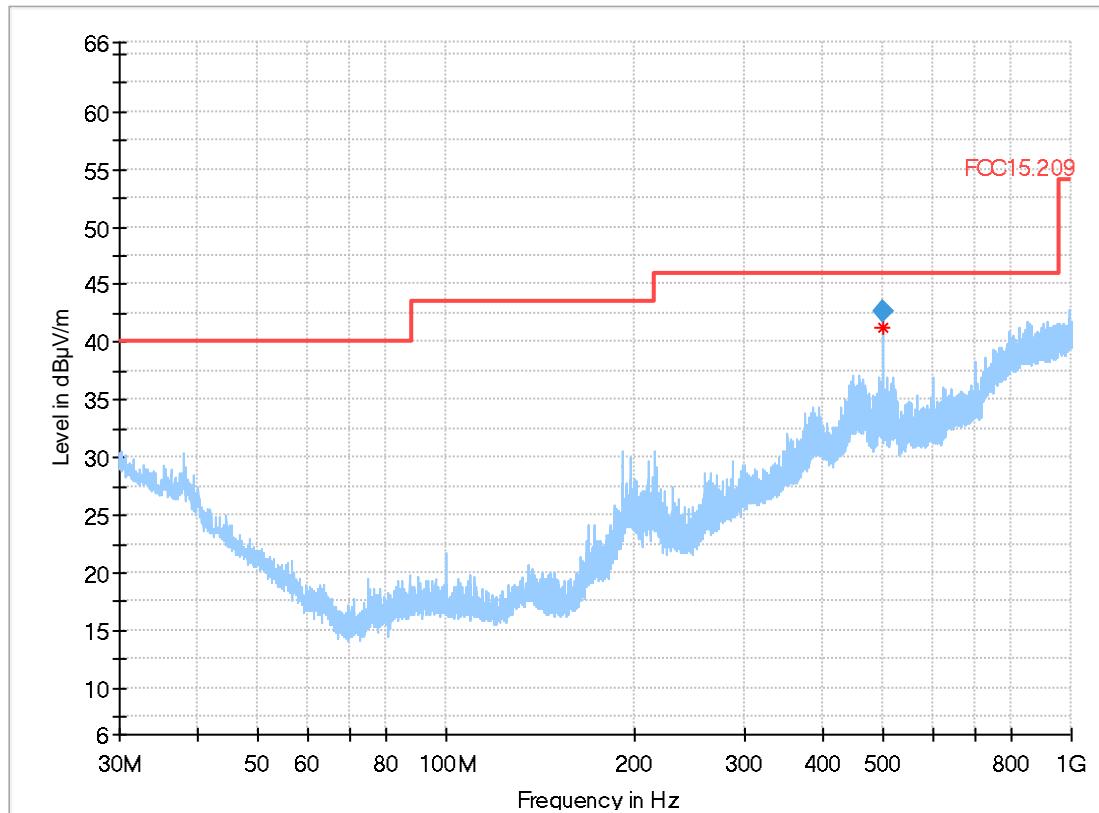
**3.24a\_ac-mode\_MCS0\_ch155**

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; RSS-Gen: Issue 3  
Operator: TFr  
Operating conditions: ac-mode | HT80 || MCS0 | ch155  
Power during tests: 120V

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum

**Final Result**

Frequency (MHz)	QuasiPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	MARGIN (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
499.936000	42.74	46.00	3.26	1000.0	120.000	157.0	H	-9.0	0.0	19.5

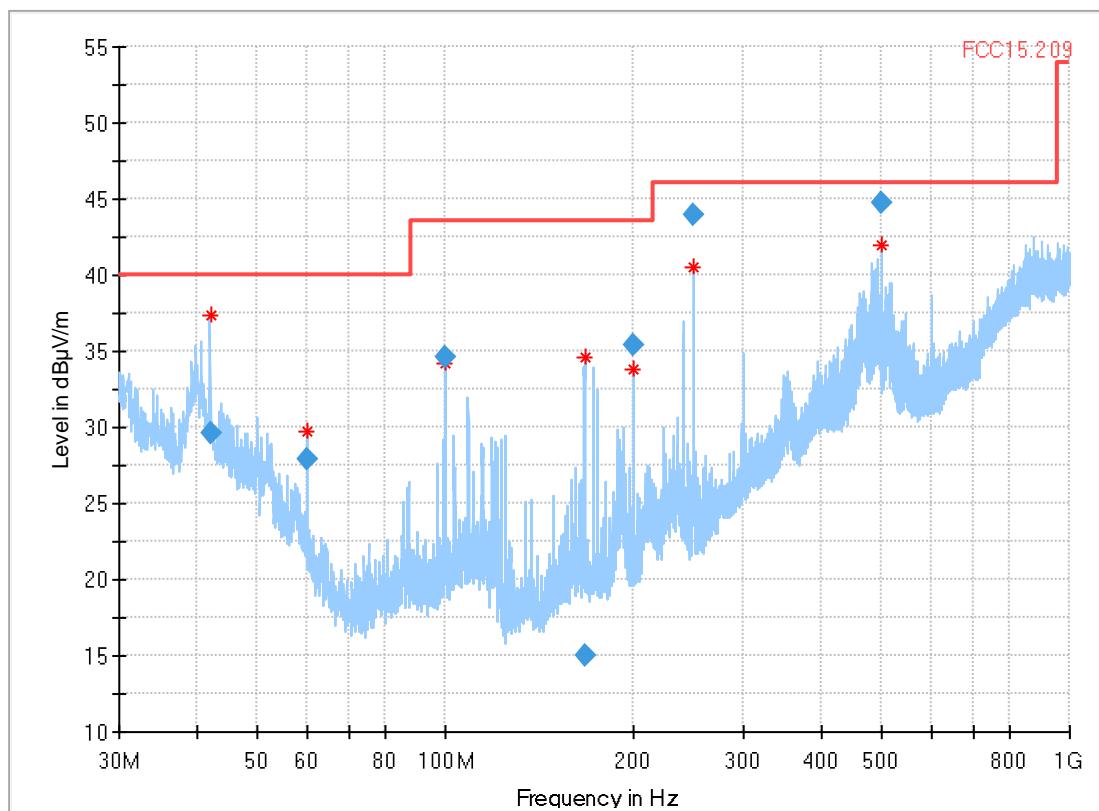
**WLAN & Bluetooth simultaneous transmissions****3.25a\_WLAN5+BT****Common Information**

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; RSS-Gen: Issue 3
Operator:	Mah
Operating Mode:	BT_Normalmode + Wifi 5GHz Iperf
Environmental Conditions.:	Humidity : 42,8%RH; Temperature: 21,3°C
EUT Setup:	1
Verdict:	Passed

**EUT Information**

EUT Name:	Thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Serial Number:	18434212024100415
Hardware Rev:	NWOT
Software Rev:	0.18.109-201808300615
Comment:	120V AC

Full Spectrum





**Final\_Result**

Frequency (MHz)	QuasiP eak (dB $\mu$ V /m)	Limit (dB $\mu$ V /m)	Margin (dB)	Bandwid th (kHz)	Heig ht (cm)	Pol	Azimu th (deg)	Cor .r. (dB)
42.056000	29.61	40.00	10.39	120.000	121.0	V	344.0	16.3
60.004000	27.86	40.00	12.14	120.000	227.0	V	14.0	8.8
99.988000	34.54	43.50	8.96	120.000	105.0	V	324.0	8.1
166.956000	14.99	43.50	28.51	120.000	334.0	H	30.0	10.0
200.024000	35.35	43.50	8.15	120.000	105.0	V	154.0	11.3
250.032000	43.98	46.00	2.02	120.000	123.0	H	18.0	13.0
499.936000	44.74	46.00	1.26	120.000	126.0	H	357.0	19.5

**3.3. Radiated electric field measurement 1 GHz to 7 GHz****3.3.1. 20 MHz Bandwidth**

**a-mode**  
**4.01a\_a-mode\_18MBps\_ch036**

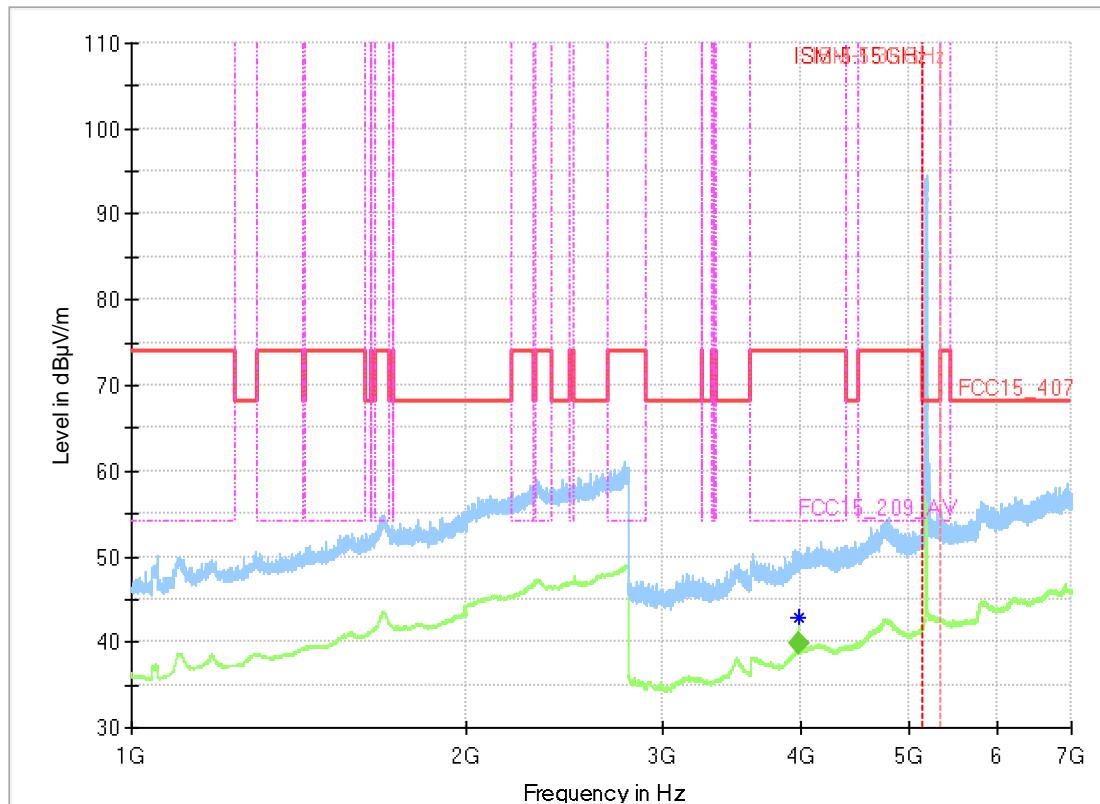
**Common Information**

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFra
Comment:	Channel no. 36
Verdict:	Passed

**EUT Information**

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	Thermomix
Type:	Household equipment with WLAN
HW version:	NWOT
SW version:	0.18.109-201808300615
Serial number:	18434212024100415
Power Supply:	120 VDC 60 Hz

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)
3983.350000	---	54.00	14.25	100.0	1000.000	H	278.0	90.0	7.6

## 4.02a\_a-mode\_18MBps\_ch064

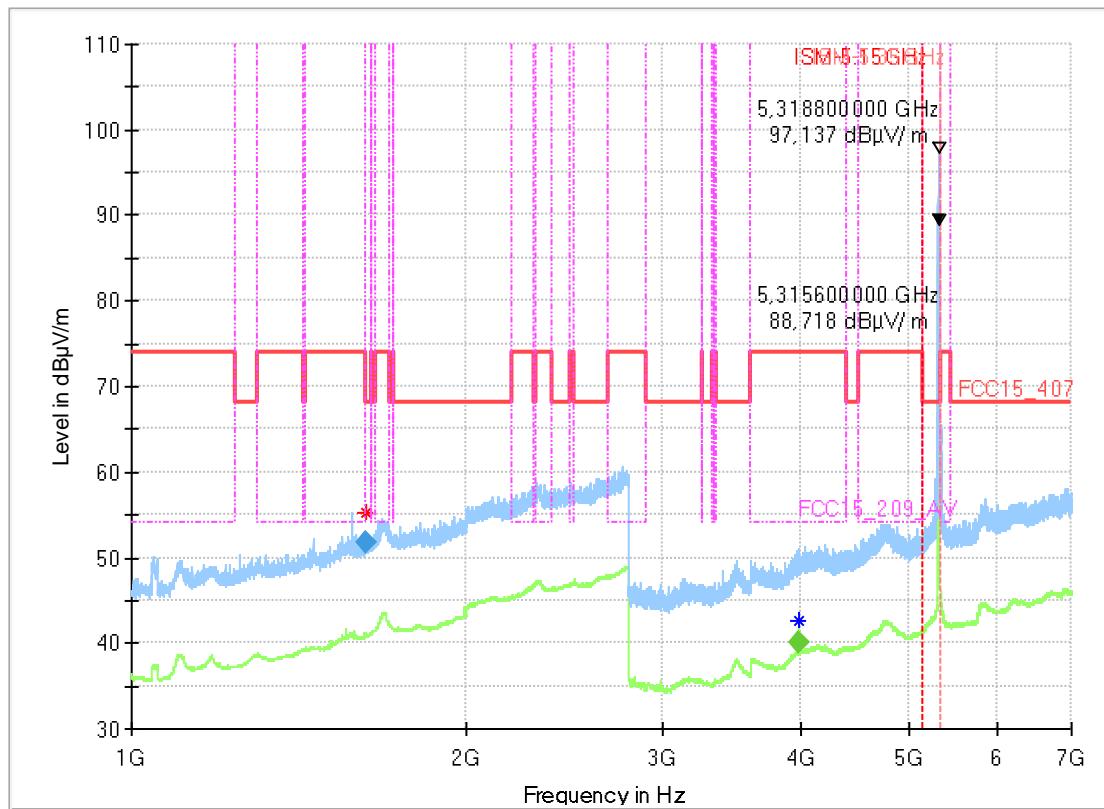
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 64  
 Verdict: Passed

### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz  
 Comments: -

Full Spectrum



### Final Result

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1626.950000	51.78	68.20	16.42	100.0	1000.000	V	63.0	0.0	37.4
3983.600000	---	54.00	14.00	100.0	1000.000	H	222.0	0.0	7.6

## 4.03a\_a-mode\_18MBps\_ch100

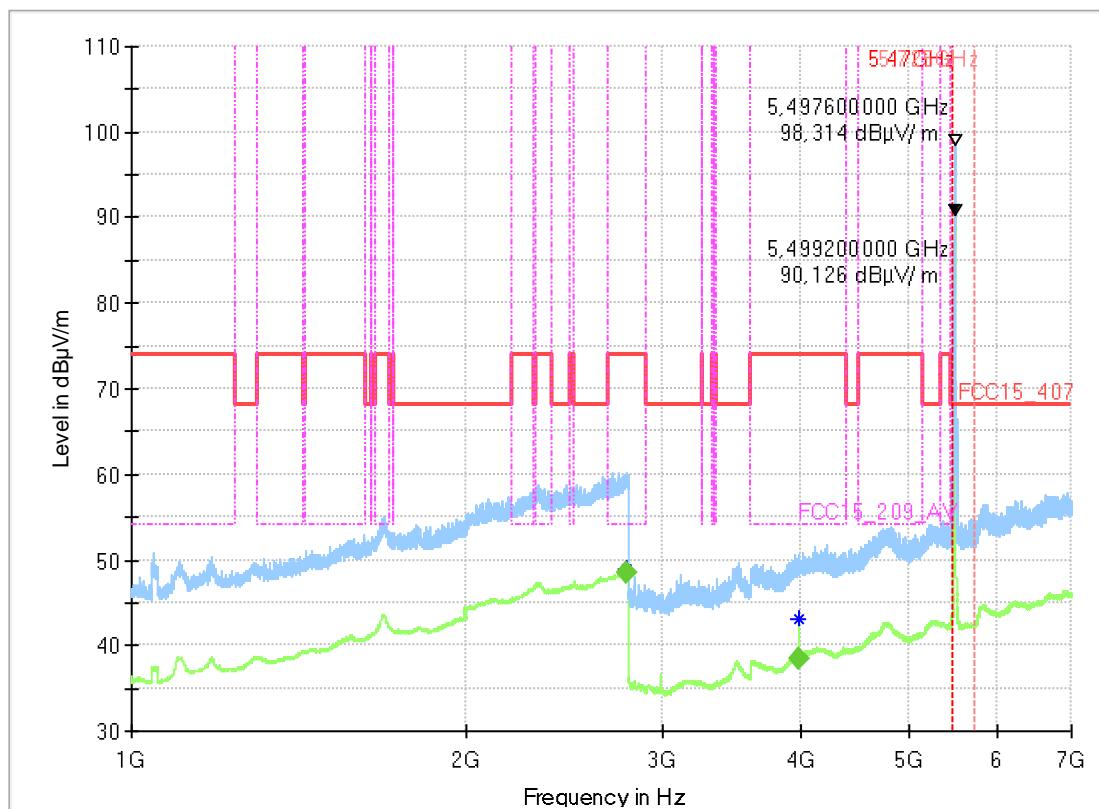
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 100  
 Verdict: Passed

### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz  
 Comments: -

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)
2791.850000	---	54.00	5.49	100.0	1000.000	V	0.0	0.0	44.1
3983.600000	---	54.00	15.68	100.0	1000.000	H	257.0	0.0	7.6

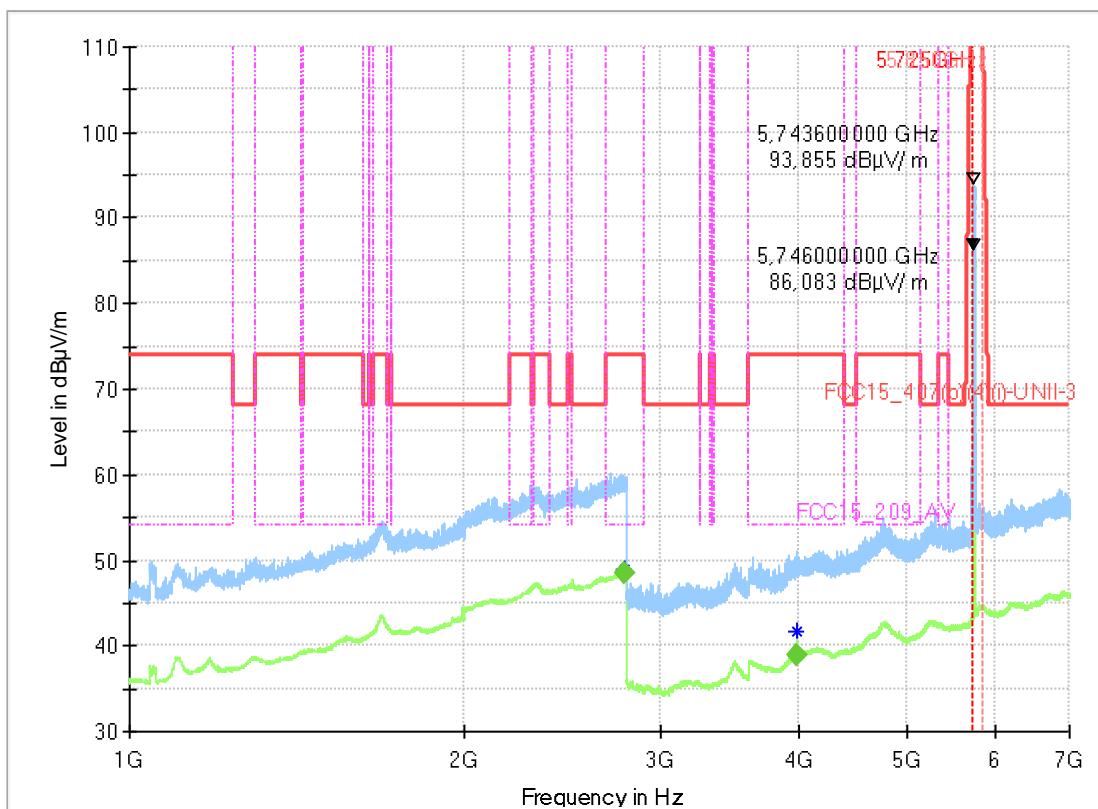
**4.04a\_a-mode\_18MBps\_ch149****Common Information**

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 149  
 Verdict: Passed

**EUT Information**

Manufacturer: KOSTAL Industrie Elektrik GmbH  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Connected Interfaces: 120 VDC 60 Hz  
 Power Supply: 230V

Full Spectrum

**Final Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2790.550000	---	54.00	5.47	100.0	1000.000	H	335.0	0.0	44.1
3983.100000	---	54.00	15.20	100.0	1000.000	V	334.0	0.0	7.6

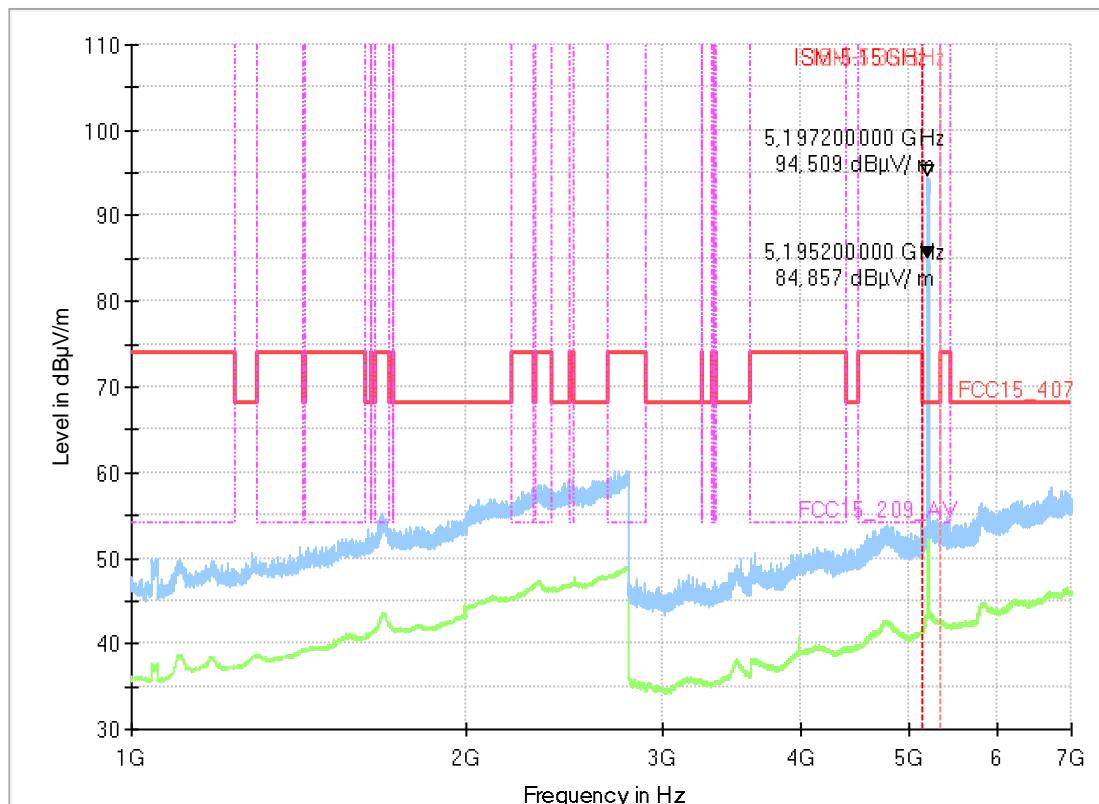
**n-mode****4.05a\_n-mode\_MCS5\_ch040****Common Information**

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	TX, continuous
Operator Name:	TFra
Comment:	Channel no. 40
Verdict:	Passed

**EUT Information**

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	Thermomix
Type:	Household equipment with WLAN
-----	-----
HW version:	NWOT
SW version:	0.18.109-201808300615
Serial number:	18434212024100415
Power Supply:	120 VDC 60 Hz

Full Spectrum



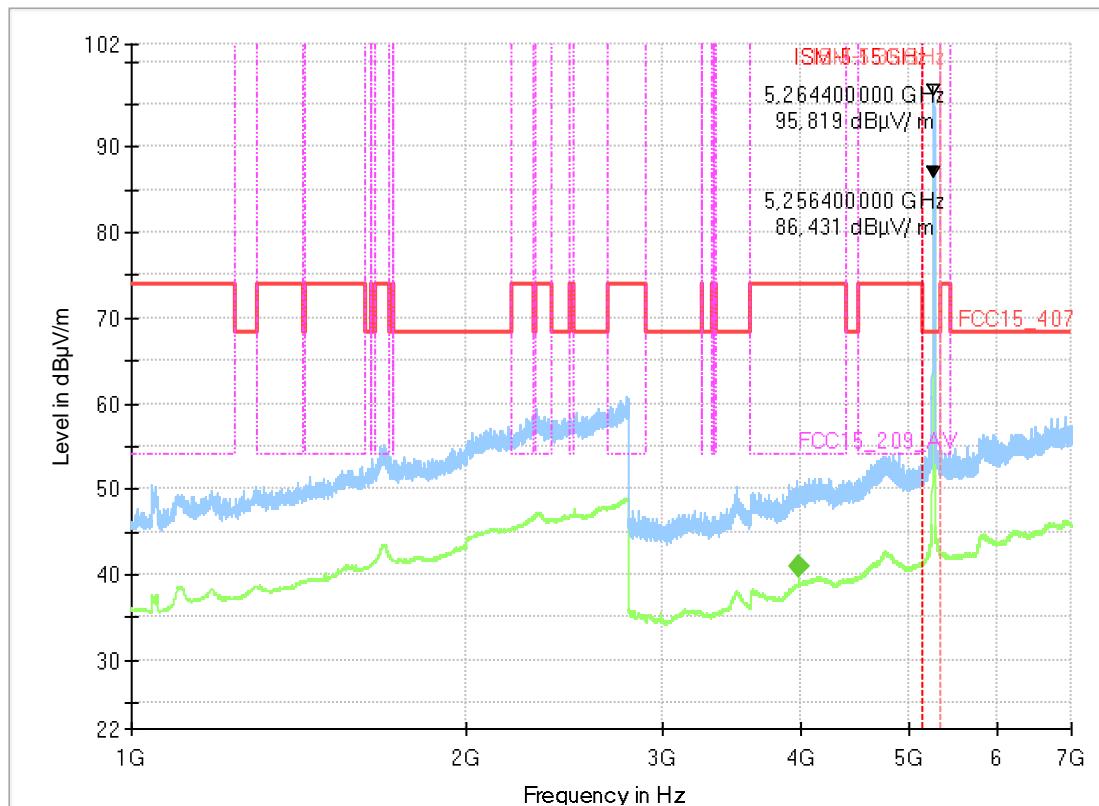
**4.06a\_n-mode\_MCS5\_ch52****Common Information**

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 52  
 Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz  
 Comments: -

Full Spectrum

**Final\_Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
3983.600000	---	54.00	12.94	100.0	1000.000	H	86.0	0.0	7.6

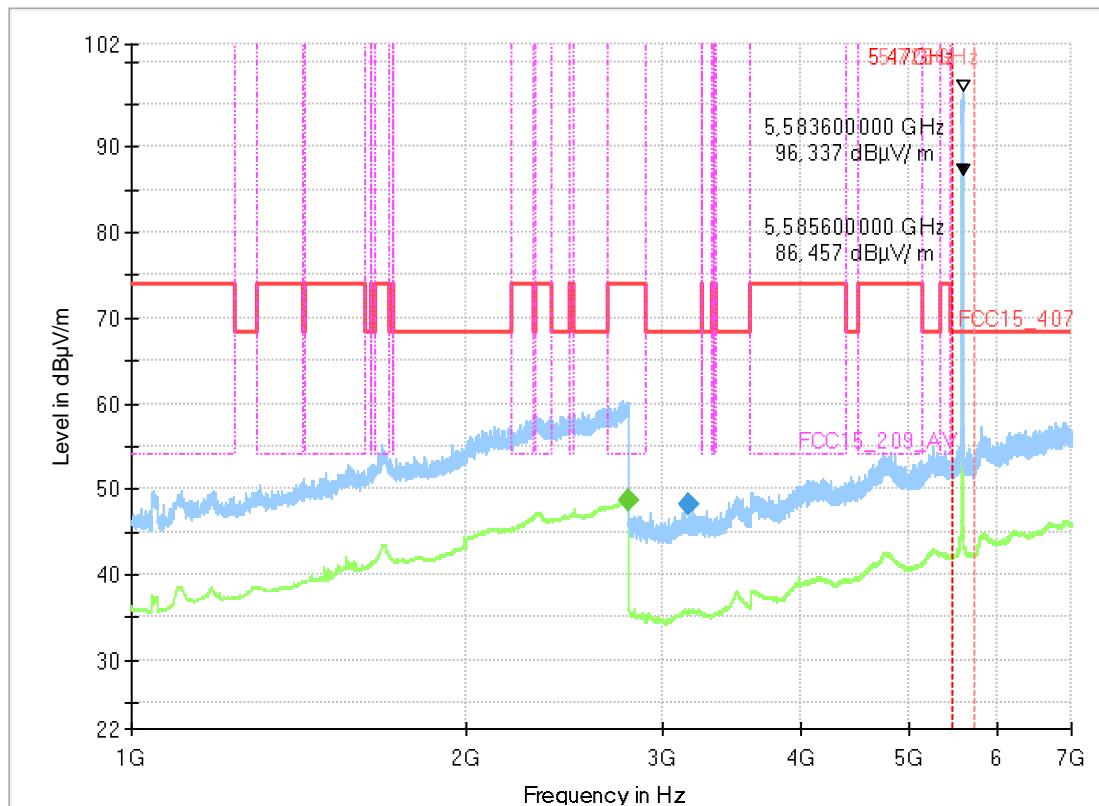
**4.07a\_n-mode\_MCS5\_ch116****Common Information**

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 116  
 Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz  
 Comments: -

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)
2799.950000	---	54.00	5.44	100.0	1000.000	V	314.0	0.0	44.2
3168.550000	48.29	68.20	19.91	100.0	1000.000	V	309.0	0.0	5.7

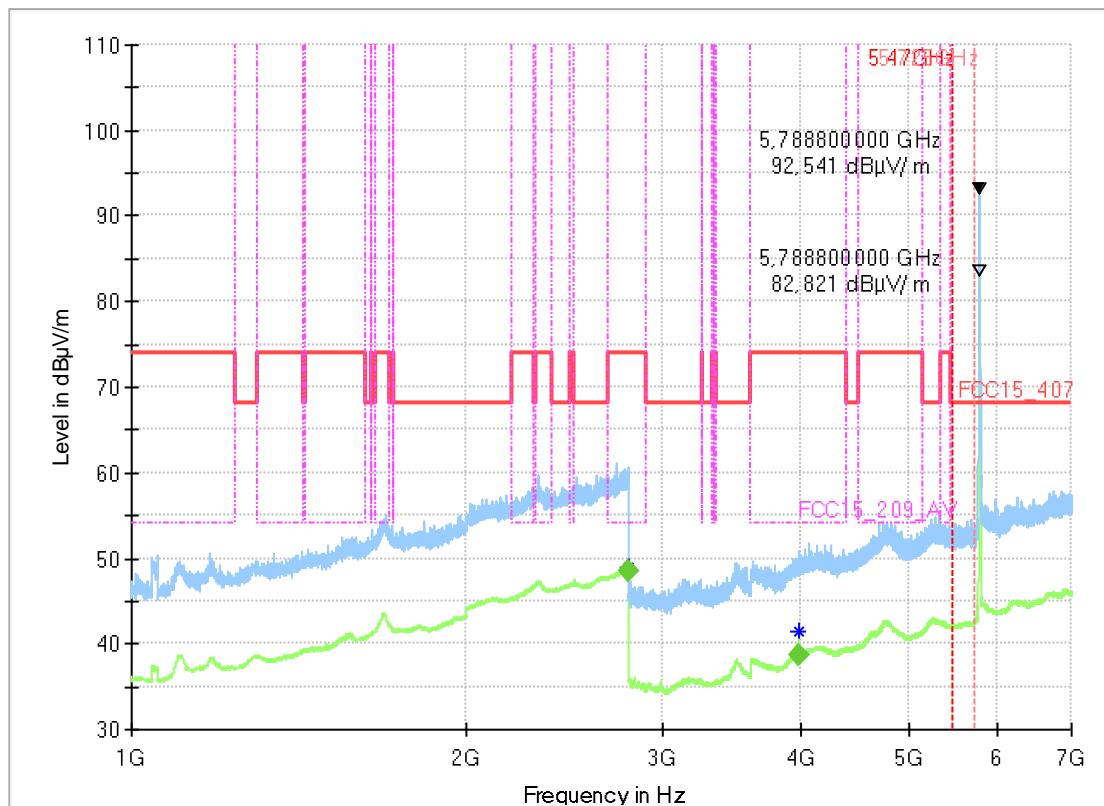
**4.08a\_n-mode\_MCS5\_ch157****Common Information**

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 157  
 Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

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)
2799.900000	---	54.00	5.43	100.0	1000.000	V	210.0	0.0	44.2
3983.350000	---	54.00	15.23	100.0	1000.000	V	320.0	0.0	7.6

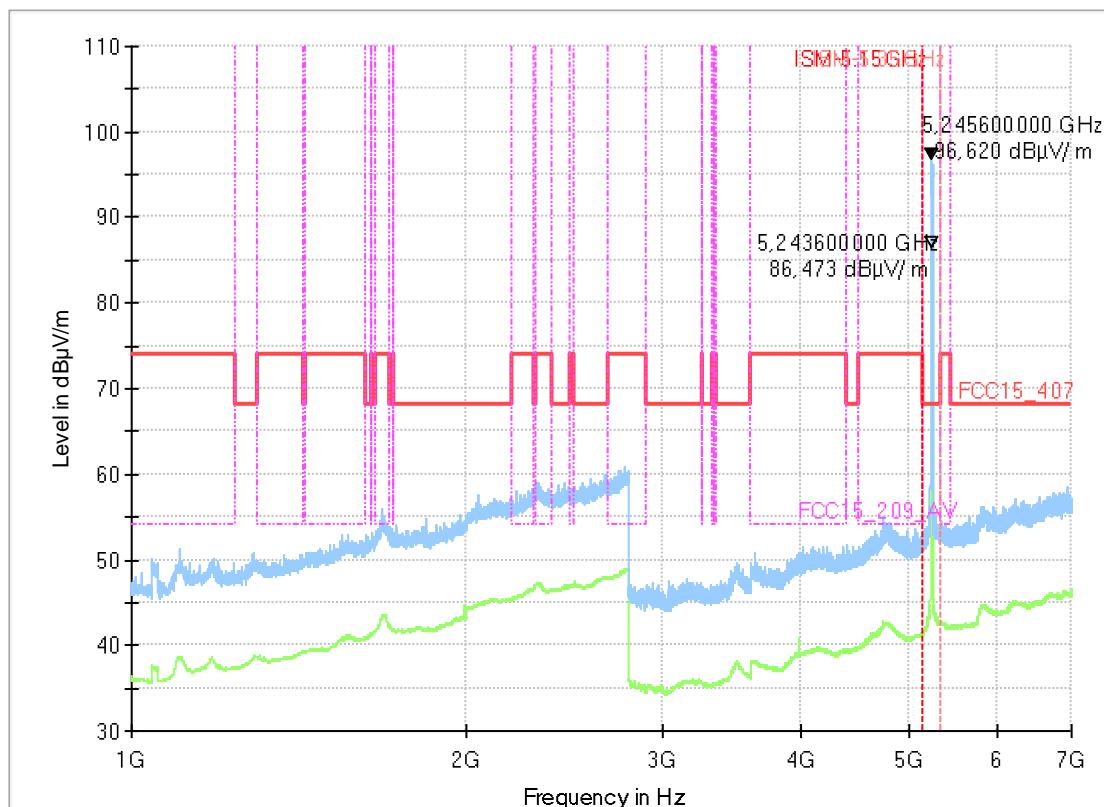
**ac-mode****4.09a\_ac-mode\_MCS5\_ch048****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: ac-mode | HT20 || MCS5 | ch048  
Operator Name: SLo

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum



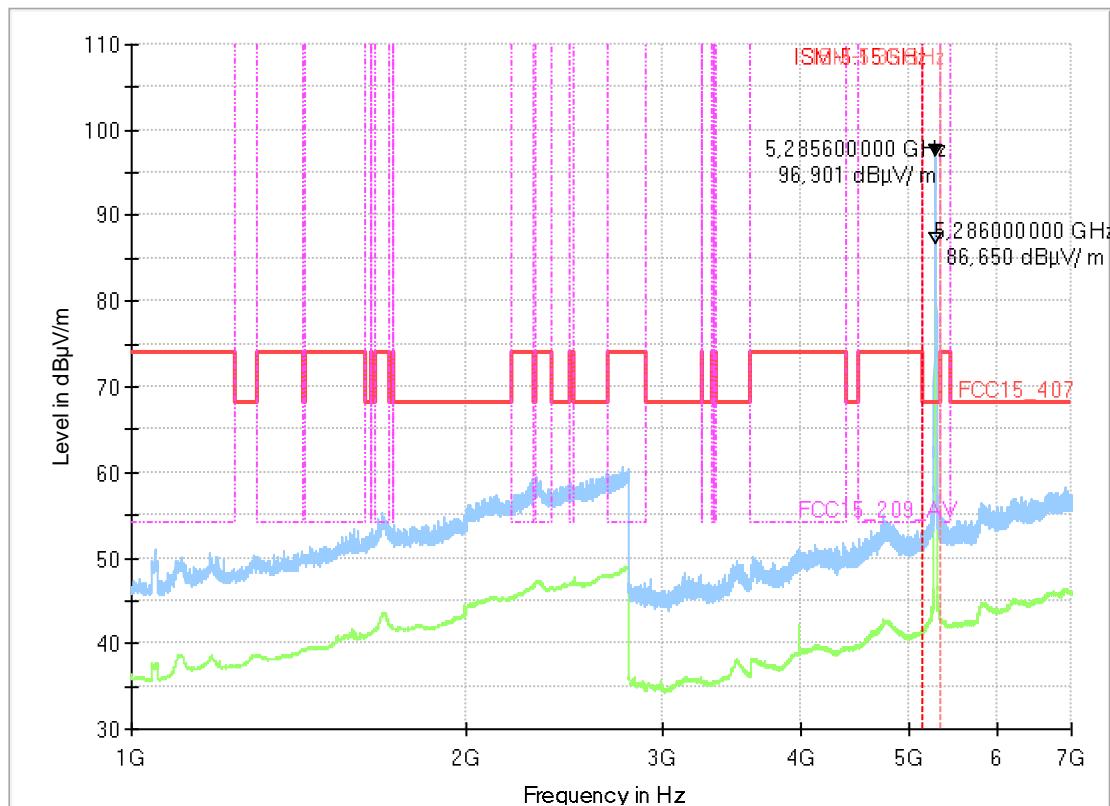
**4.10a\_ac-mode\_MCS5\_ch56****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: ac-mode | HT20 || MCS5 | ch056  
Operator Name: SLo

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum



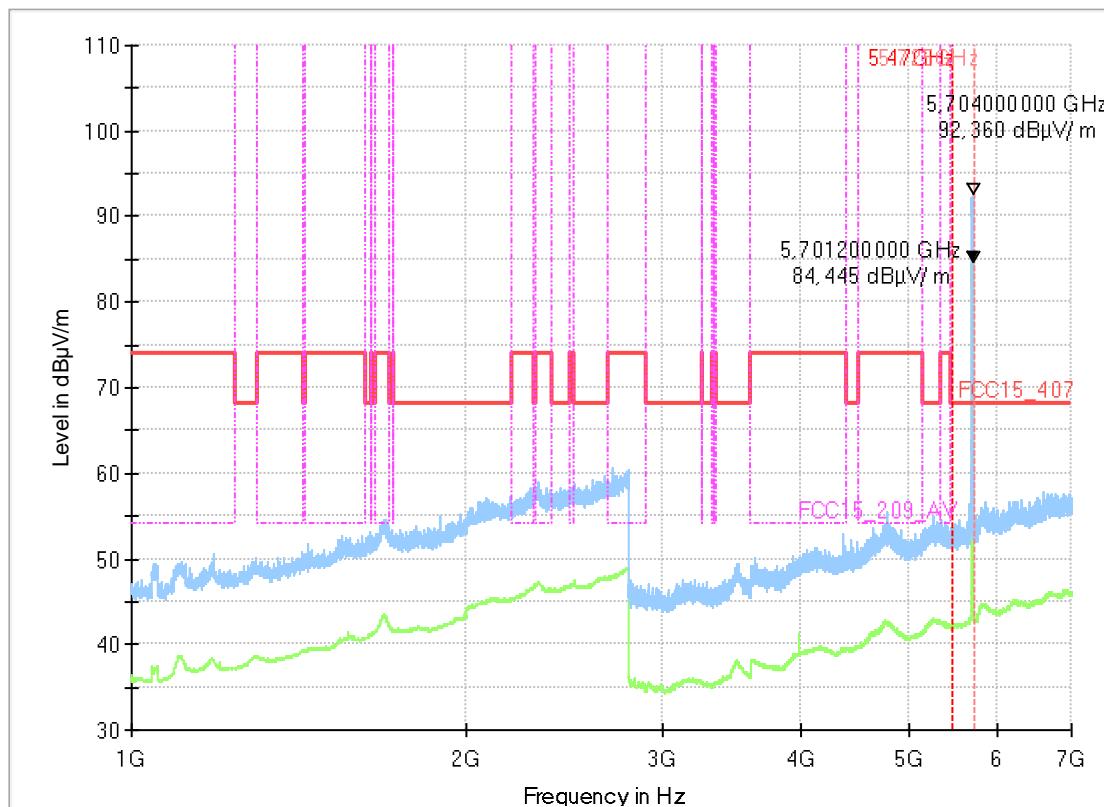
**4.11a\_ac-mode\_MCS5\_ch140****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT20 || MCS5 | ch140  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



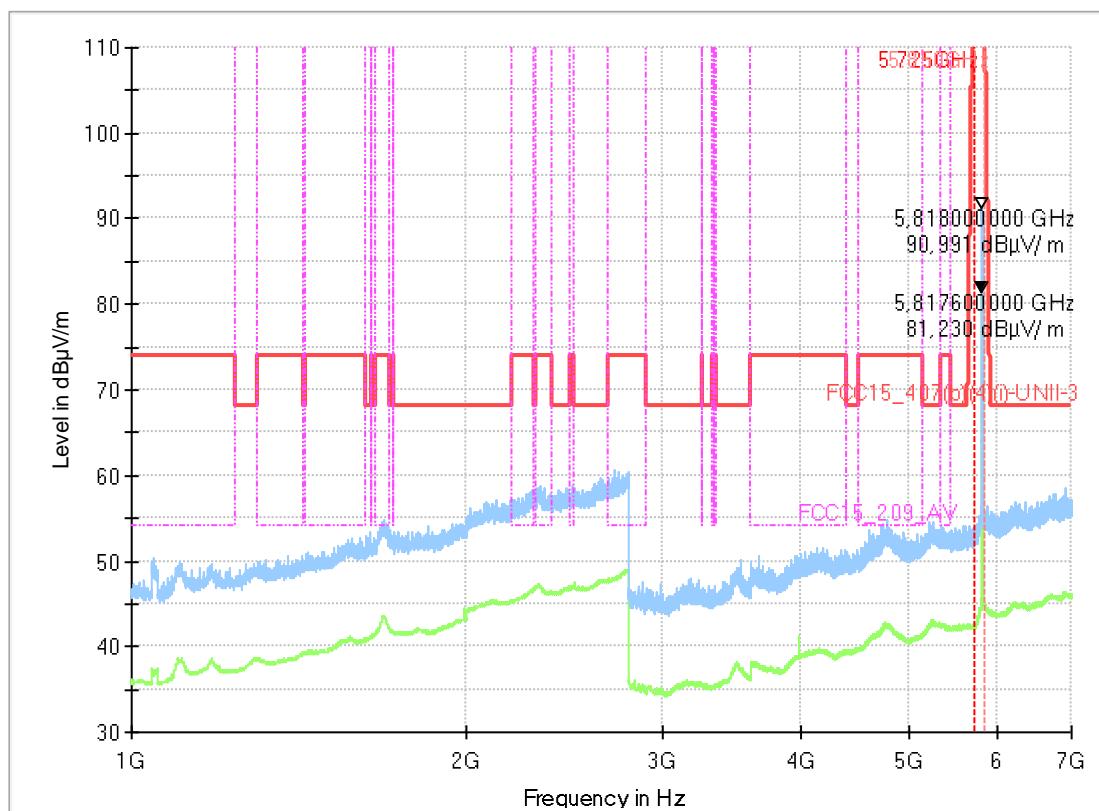
**4.12a\_ac-mode\_MCS5\_ch165****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT20 || MCS5 | ch165  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



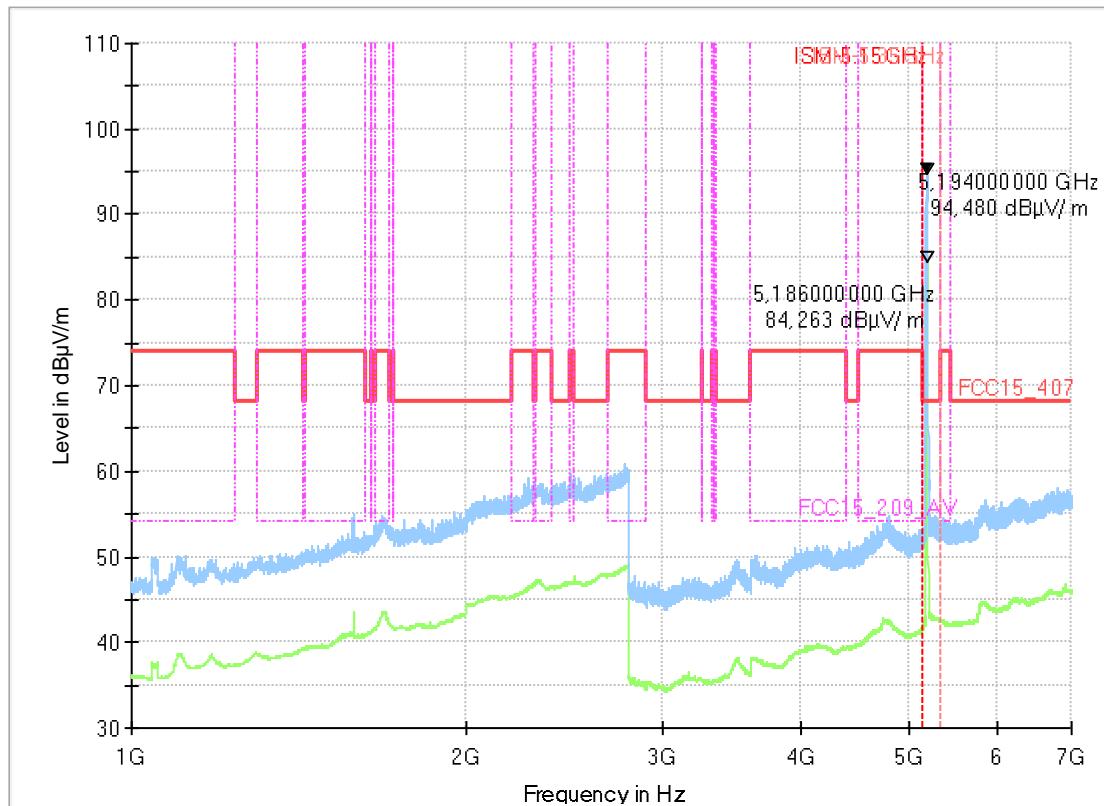
**3.3.2. 40MHz Bandwidth****n-mode****4.13a\_n-mode\_MCS7\_ch038****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: n-mode | HT40 || MCS7 | ch038  
Operator Name: SLo

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum



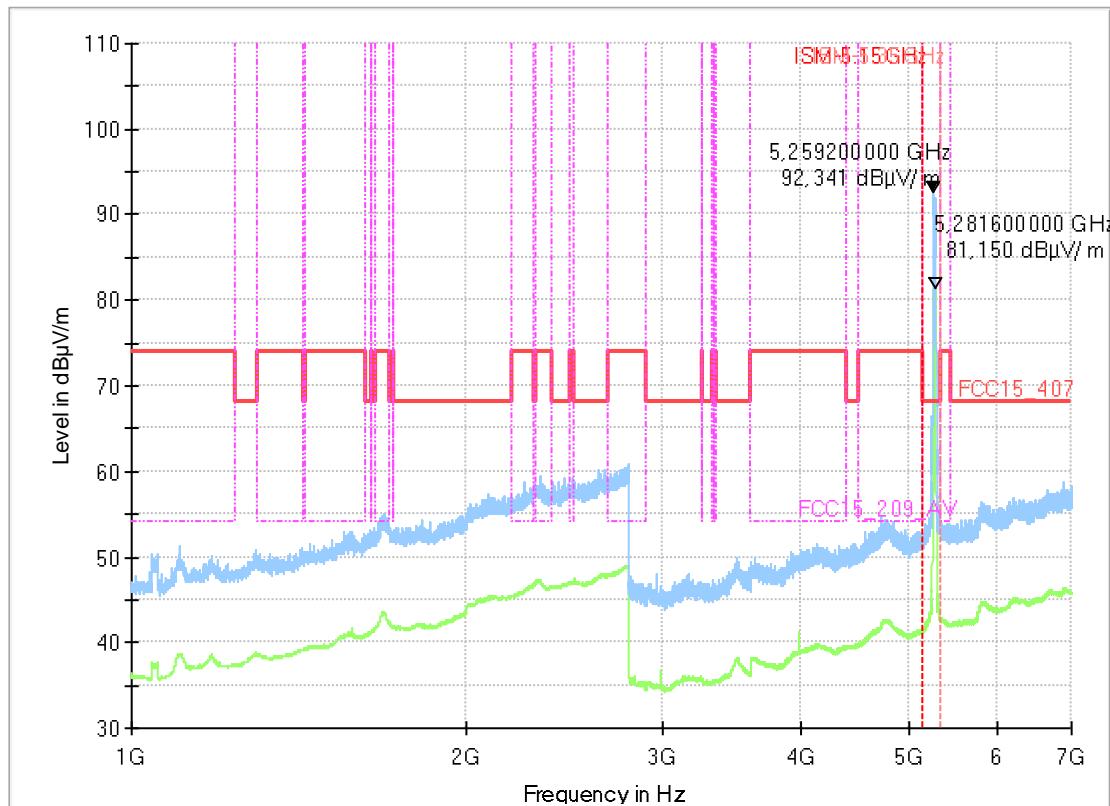
**4.14a\_n-mode\_MCS7\_ch54****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: n-mode | HT40 || MCS7| ch054  
Operator Name: SLo

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum



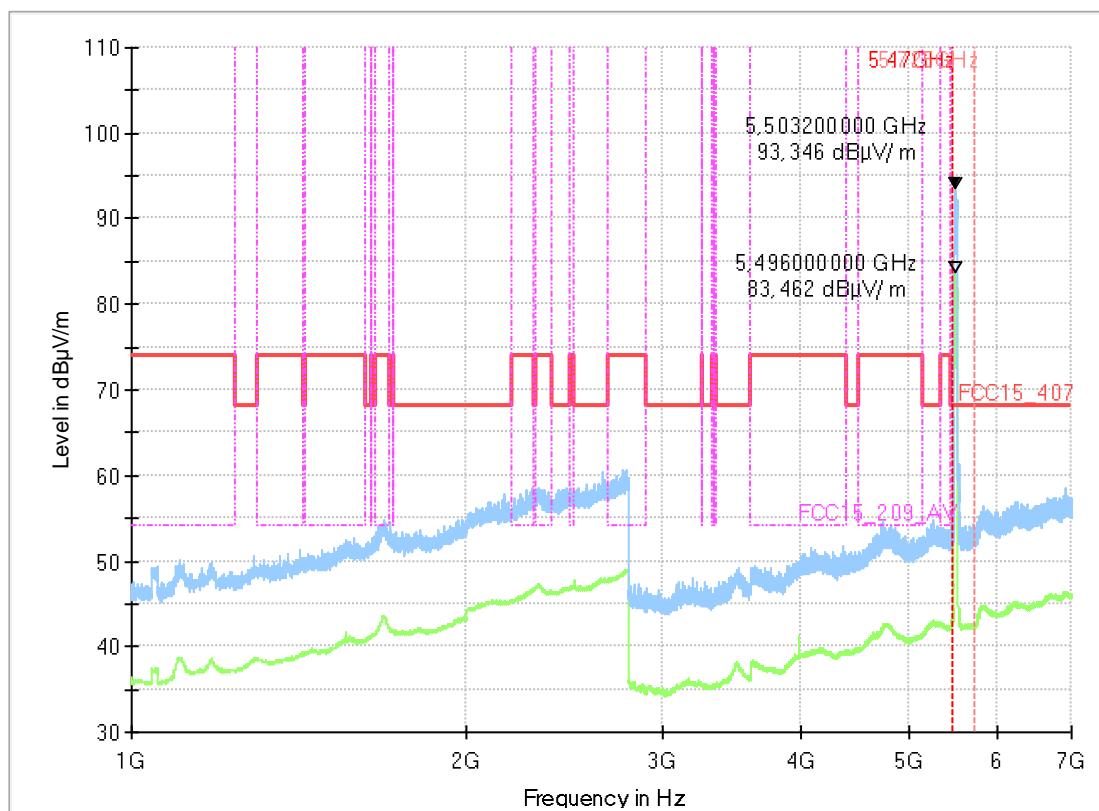
**4.15a\_n-mode\_MCS7\_ch102****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: n-mode | HT40 || MCS7 | ch102  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



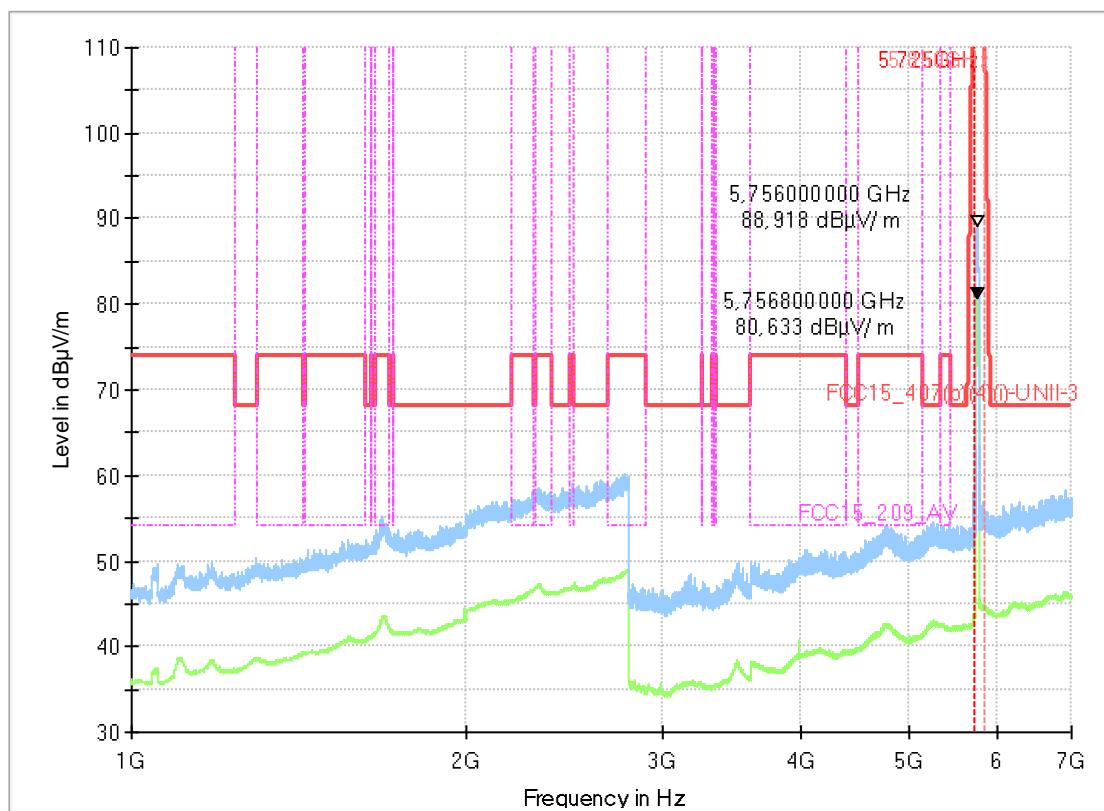
**4.16a\_n-mode\_MCS7\_ch151****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: n-mode | HT40 || MCS7 | ch151  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



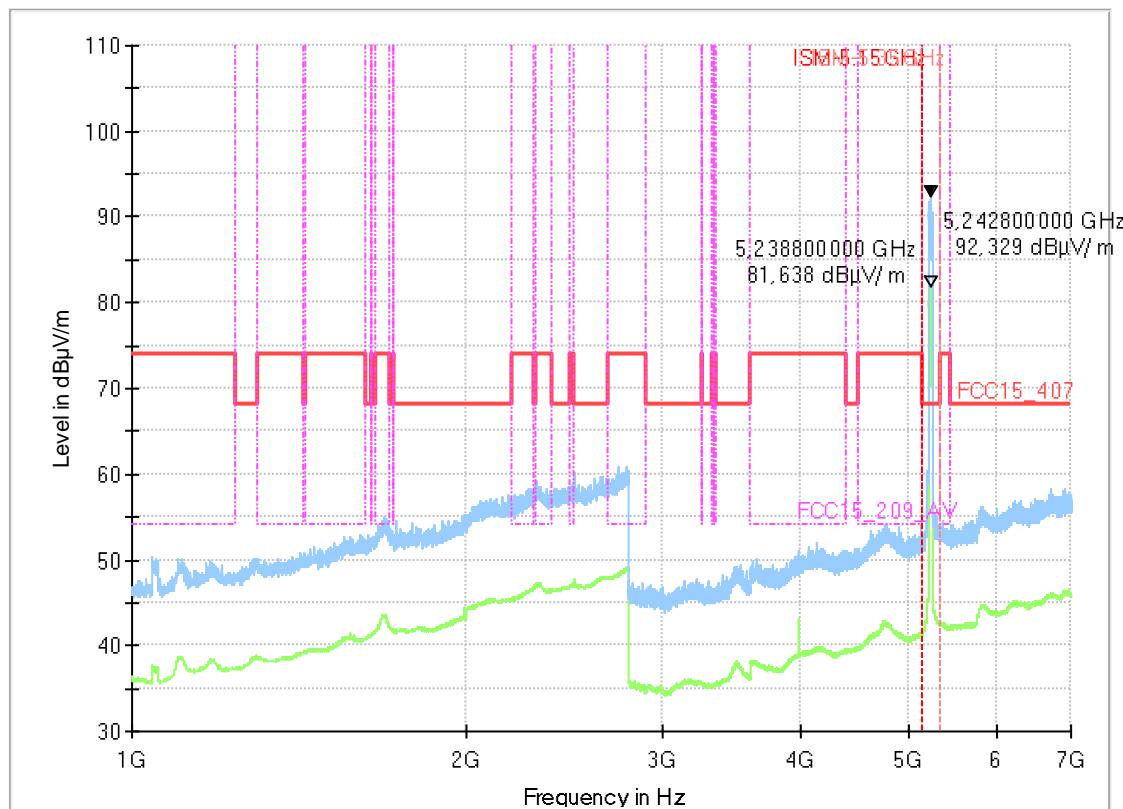
**4.17a\_ac-mode\_MCS7\_ch046****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: ac-mode | HT40 || MCS7 | ch046  
Operator Name: SLo

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum



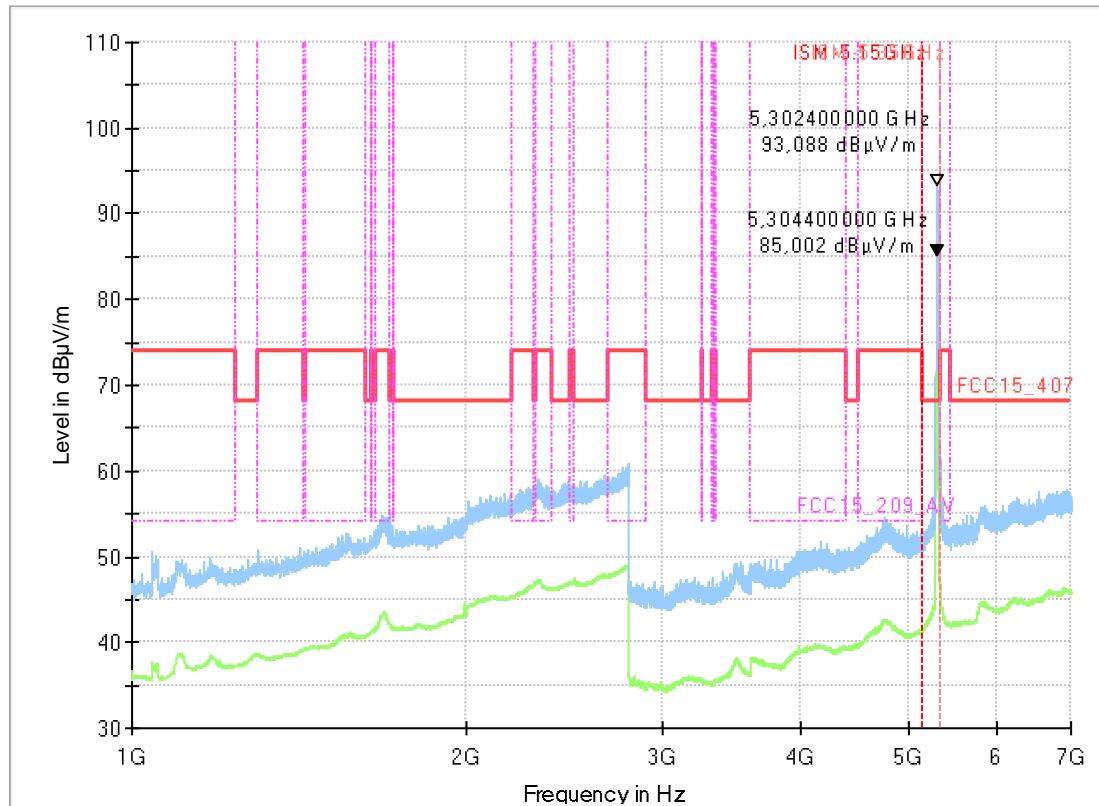
**4.18a\_ac-mode\_MCS7\_ch62****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: TX, continuous  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



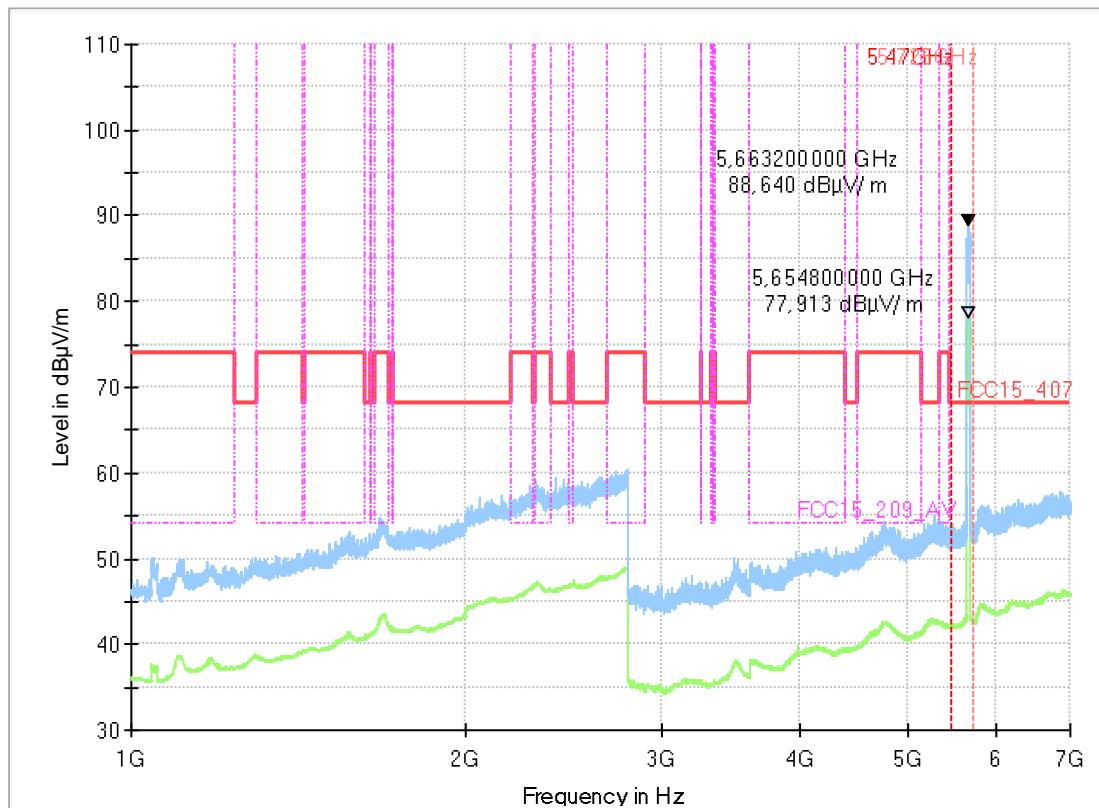
**4.19a\_ac-mode\_MCS7\_ch134****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT40 || MCS7 | ch134  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



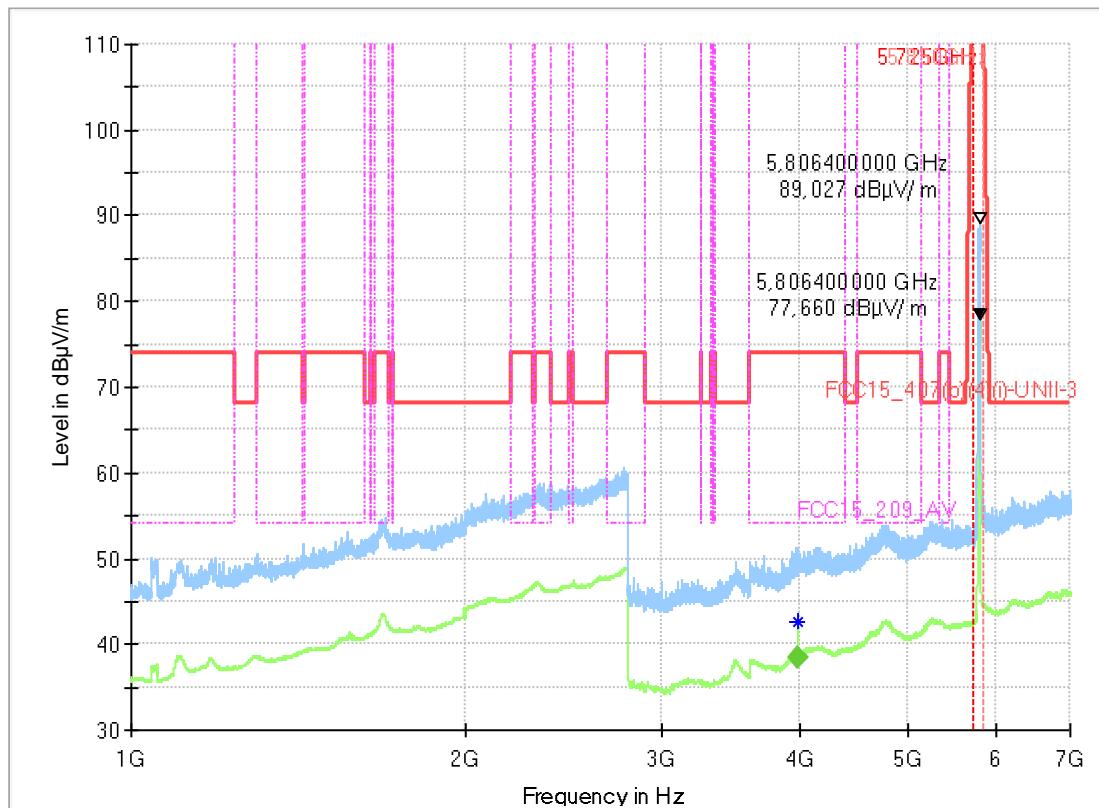
**4.20a\_ac-mode\_MCS7\_ch159****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT40 || MCS7 | ch159  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



### 3.3.3. 80MHz Bandwidth

**ac-mode**  
**4.21a\_ac-mode\_MCS0\_ch042**

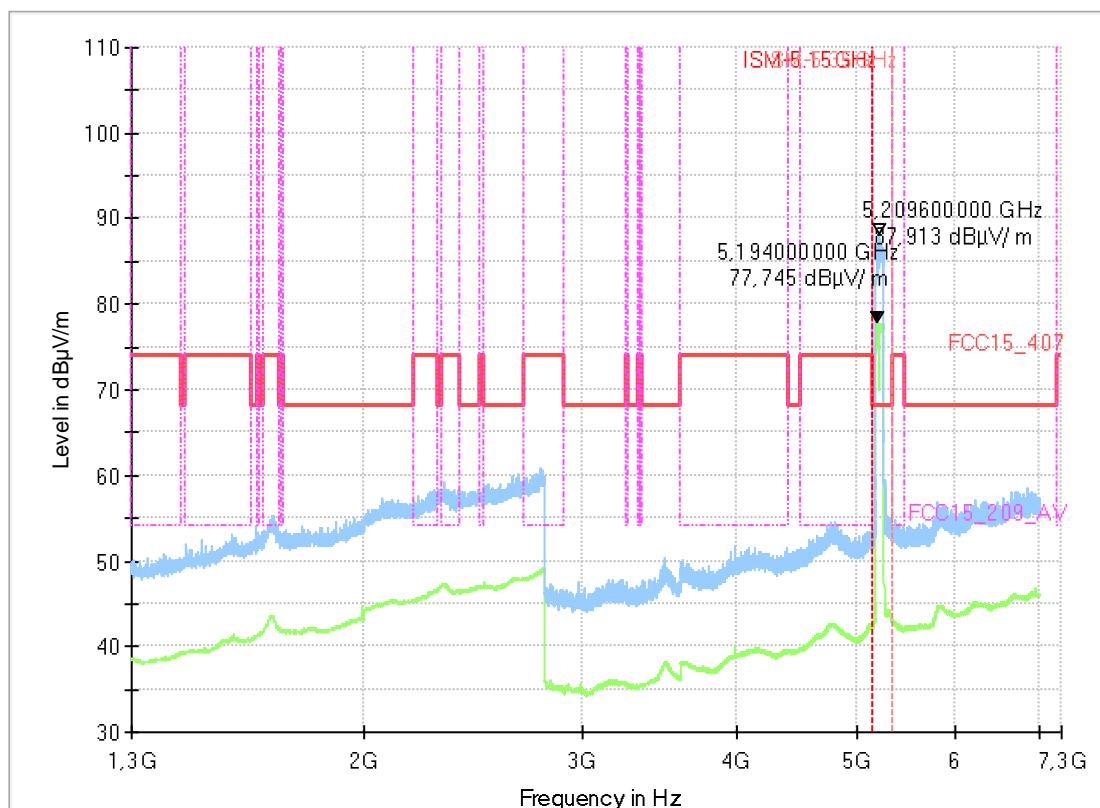
#### Common Information

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: ac-mode | HT80 || MCS0 | ch042  
Operator Name: SLo

#### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: thermomix  
Type: Household equipment with WLAN  
HW: NWOT  
SW: 0.18.109-201808300615  
Serial Nr.: 18434212024100415  
Power Supply: 120V AC

Full Spectrum



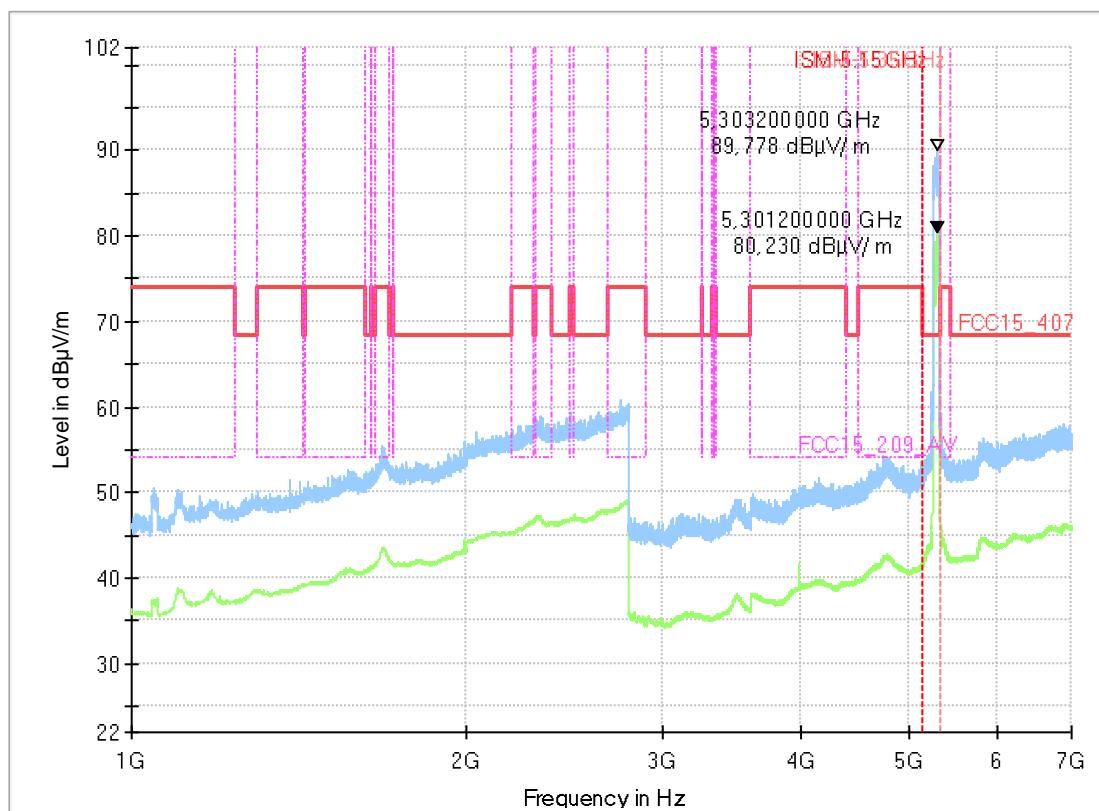
**4.22a\_ac-mode\_MCS0\_ch58****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT80 || MCS0| ch058  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



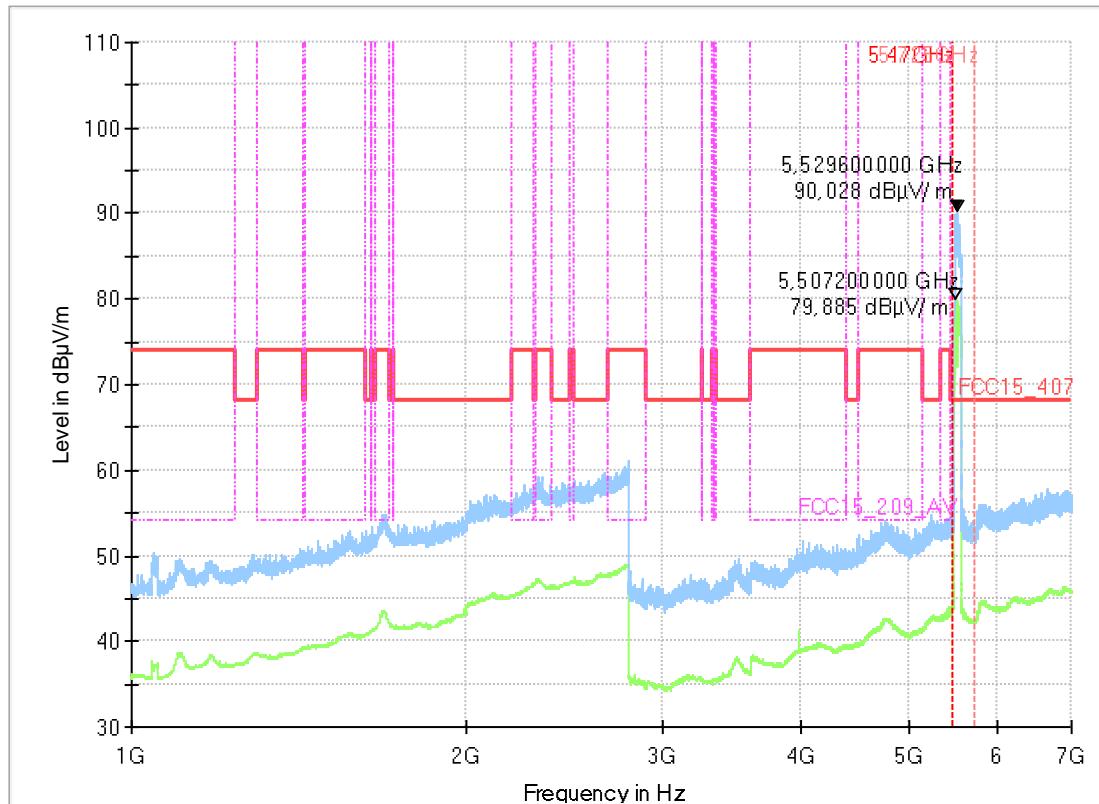
**4.23a\_ac-mode\_MCS0\_ch106****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT80 || MCS0 | ch106  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



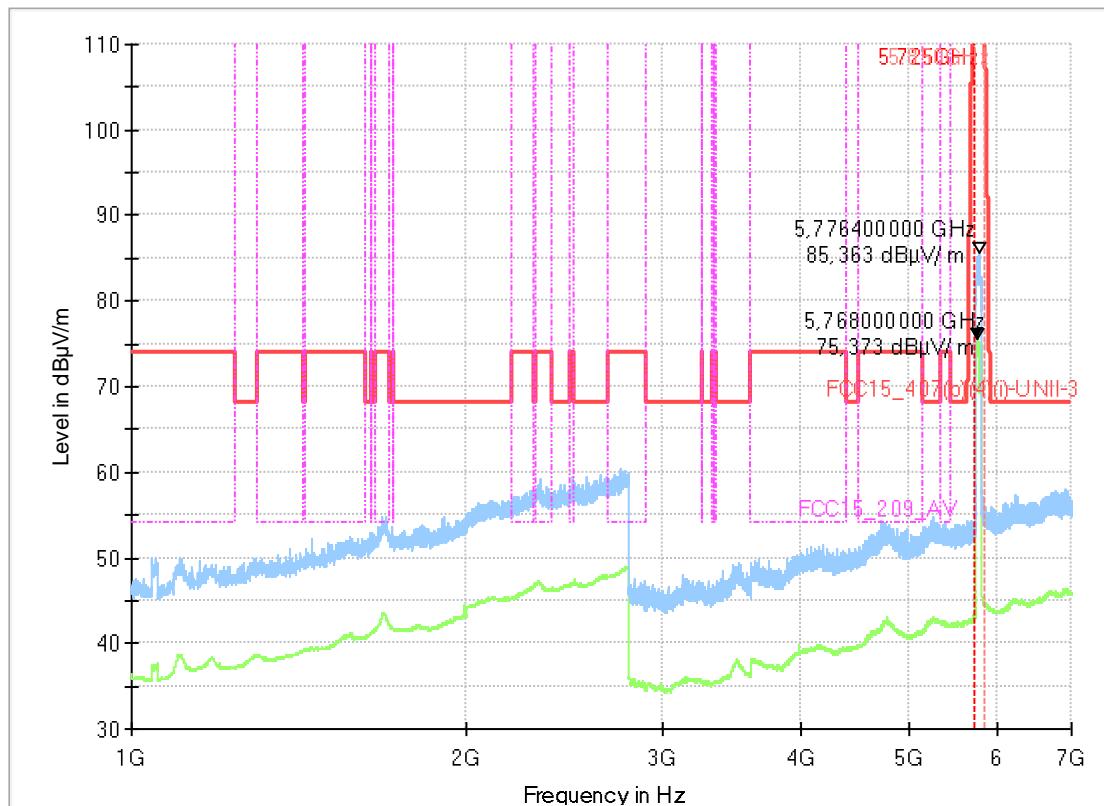
**4.24a\_ac-mode\_MCS0\_ch155****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver 9.26.00  
Operation mode: ac-mode | HT80 || MCS0 | ch155  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



## **WLAN & Bluetooth simultaneous transmissions**

## 4.25a WLAN5+BT

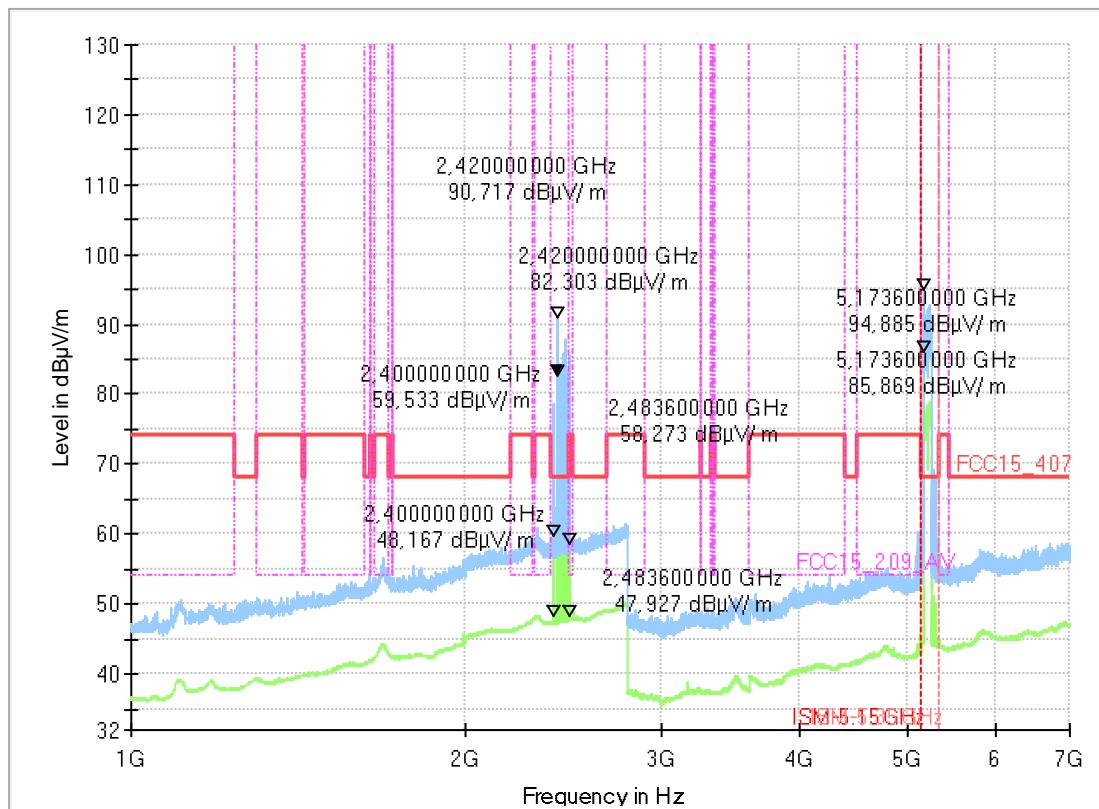
## Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operating Mode:	5GHz Wifi Iperf Connection with router + BT connection with Speaker
Operator:	Mah
Comment:	Channel no. low/middle/high Environmental Conditions::
EUT Setup:	1
Verdict:	Passed

## **EUT Information**

EUT Name:	Thermomix
Manufacturer:	Vorwerk Elektroware GmbH & Co KG.
Product:	Household equipment with WLAN
EUT Model:	NWOT
Serial Number:	18434212024100521
Hardware Rev:	
Software Rev:	
Comment:	120V AC

## Full Spectrum



### 3.4. Radiated electric field measurement 7 GHz to 18 GHz

#### 3.4.1. 20 MHz Bandwidth

**a-mode**  
**4.01b\_a-mode\_18MBps\_ch036**

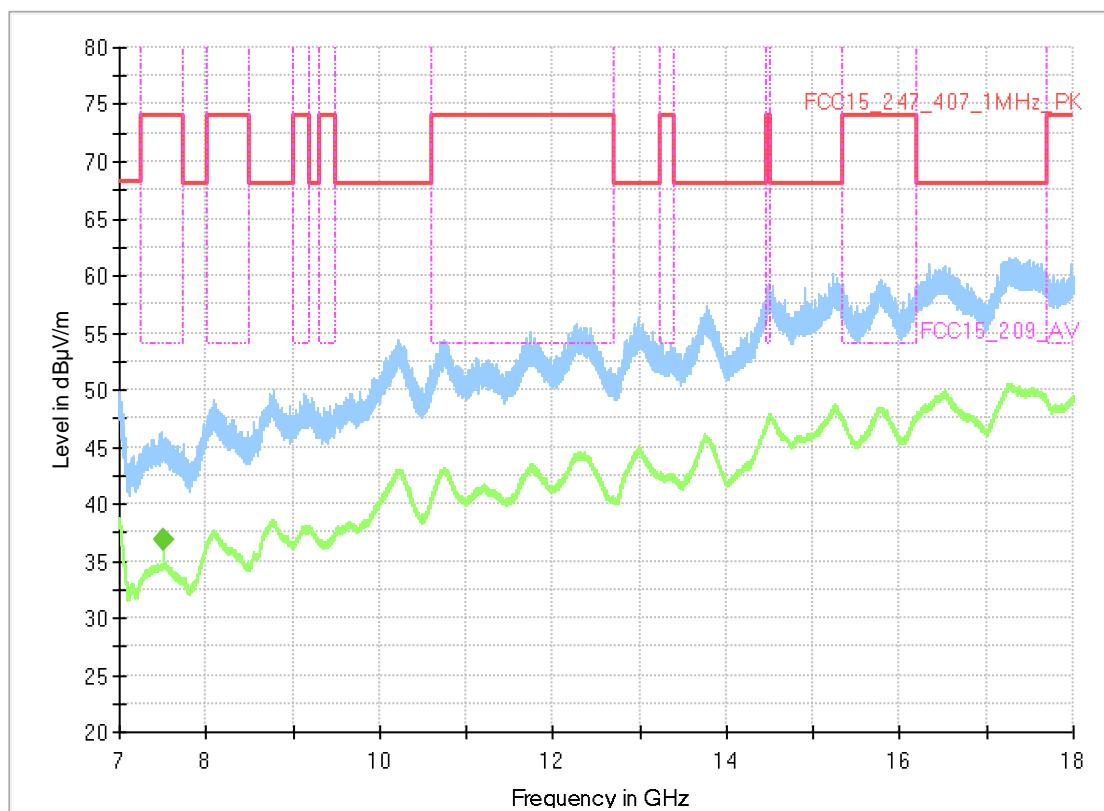
#### Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operation mode:	a-mode   18MBps   ch036
Operator Name:	HEI
Comment:	120 V AC

#### EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	Thermomix
Type:	Household equipment with WLAN
HW version:	NWOT
SW version:	0.18.109-201808300615
Serial number:	18434212024100415
Power Supply:	120 VDC 60 Hz

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)
7499.000000	---	54.00	17.21	100.0	1000.000	H	19.0	0.0	9.2

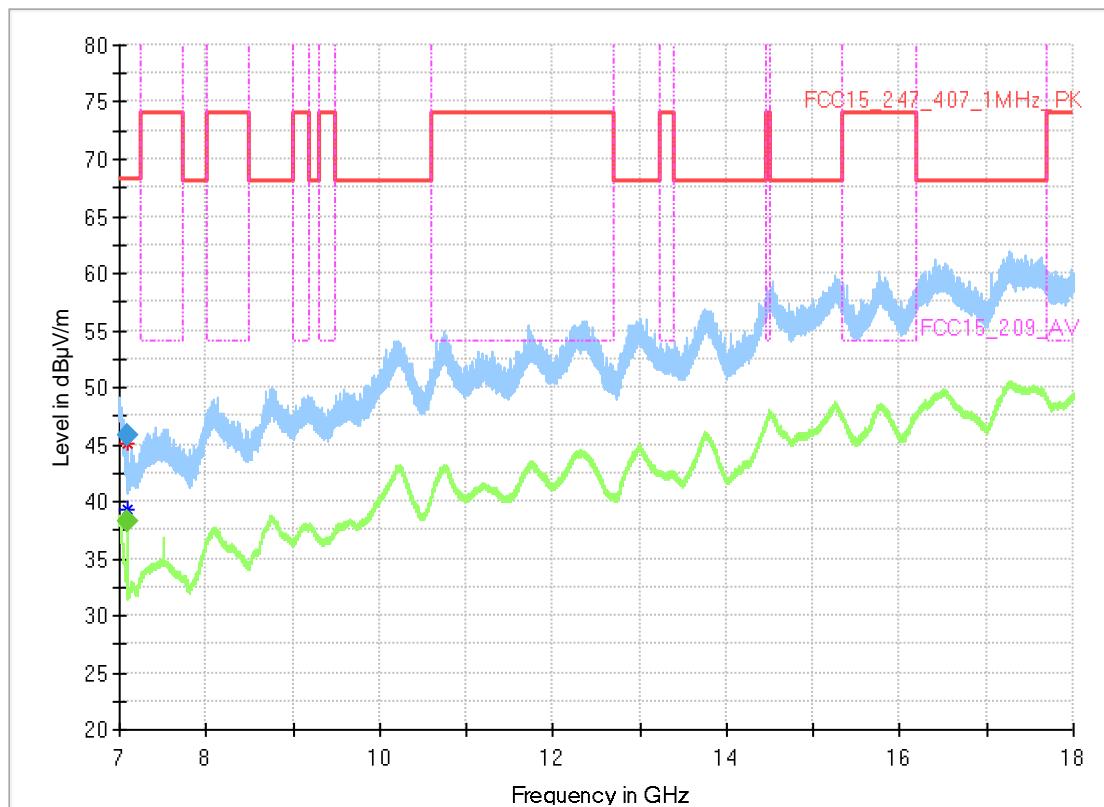
**4.02b\_a-mode\_18MBps\_ch064****Common Information**

Test Description: Radiated emission related to 1m  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
Operation mode: a-mode | 18MBps| ch064  
Operator Name: RI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

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)
7093.000000	---	150.00	111.82	100.0	1000.000	H	66.0	0.0	7.0
7093.400000	45.76	68.20	22.44	100.0	1000.000	H	121.0	0.0	6.9

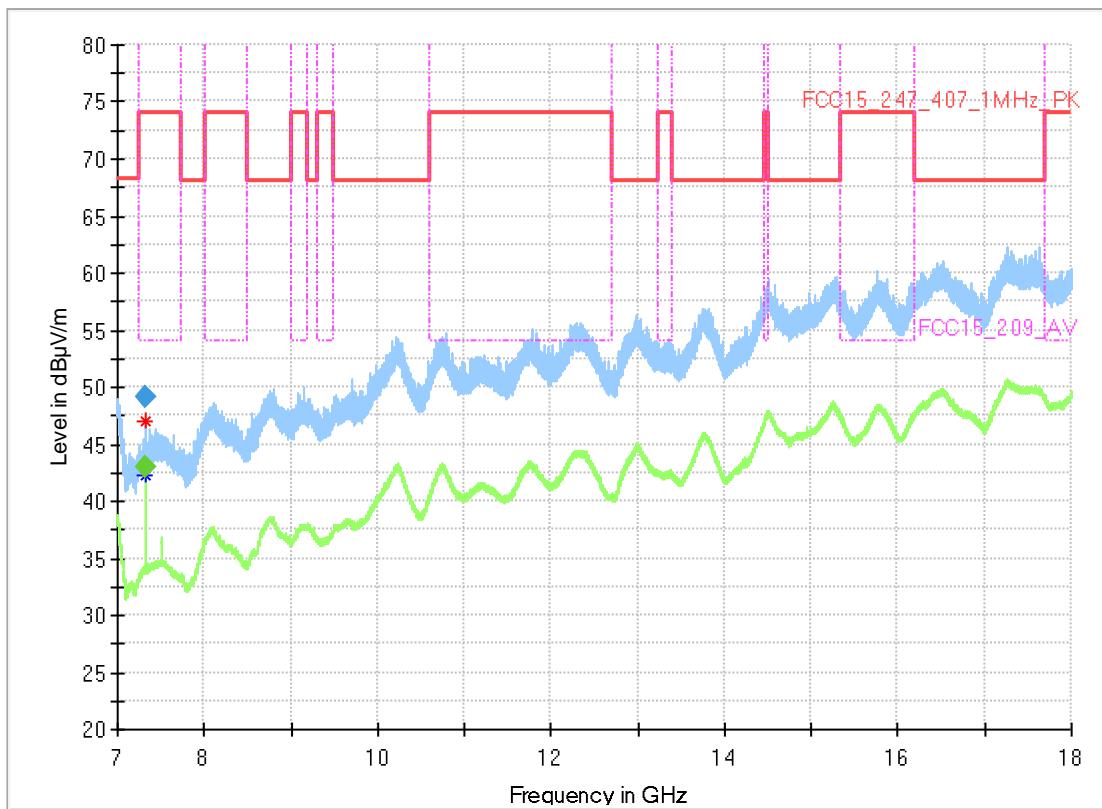
**4.03b\_a-mode\_18MBps\_ch100****Common Information**

Test Description: Radiated emission related to 1m  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
 Operation mode: a-mode | 18MBps | ch100  
 Operator Name: RIs  
 Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final\_Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
7333.400000	---	54.00	11.08	100.0	1000.000	H	54.0	0.0	8.8
7333.400000	49.11	74.00	24.89	100.0	1000.000	H	51.0	0.0	8.8

## 4.04b\_a-mode\_18MBps\_ch149

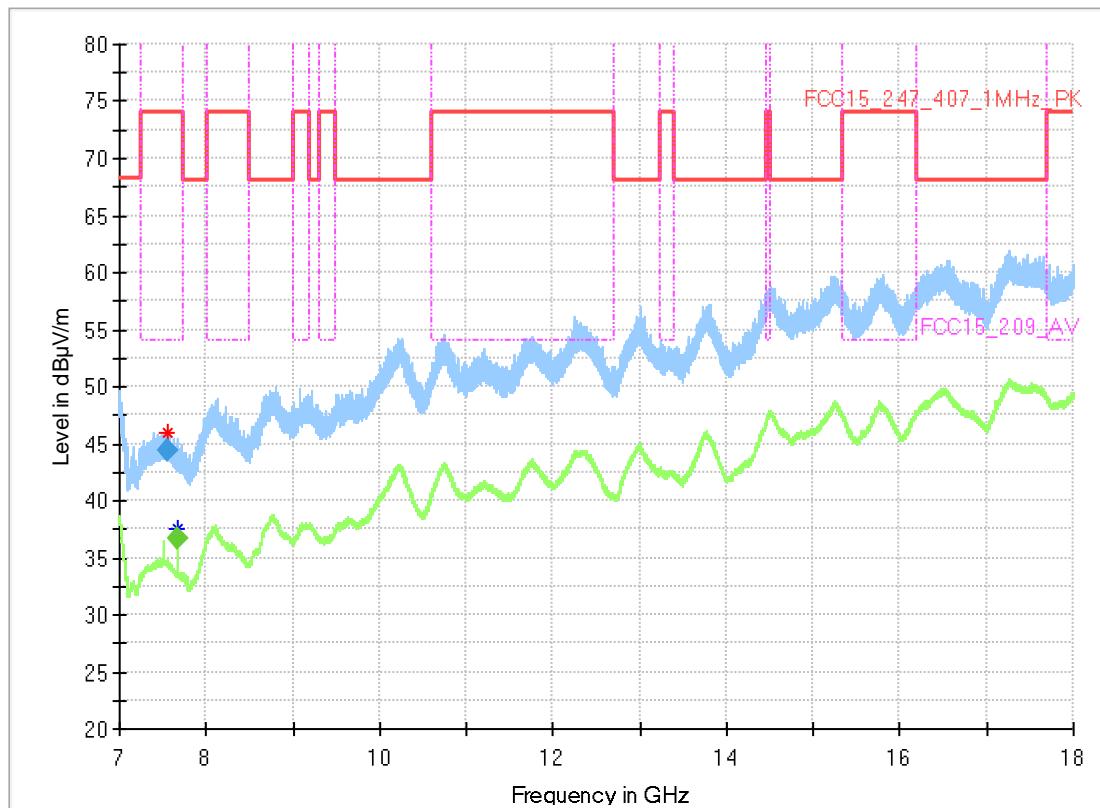
### Common Information

Test Description: Radiated emission related to 1m  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
 Operation mode: a-mode | 18MBps | ch149  
 Operator Name: RIs  
 Comment: 120 V AC

### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

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)
7562.600000	44.36	74.00	29.64	100.0	1000.000	V	31.0	0.0	9.0
7660.200000	---	54.00	17.42	100.0	1000.000	H	56.0	0.0	8.3

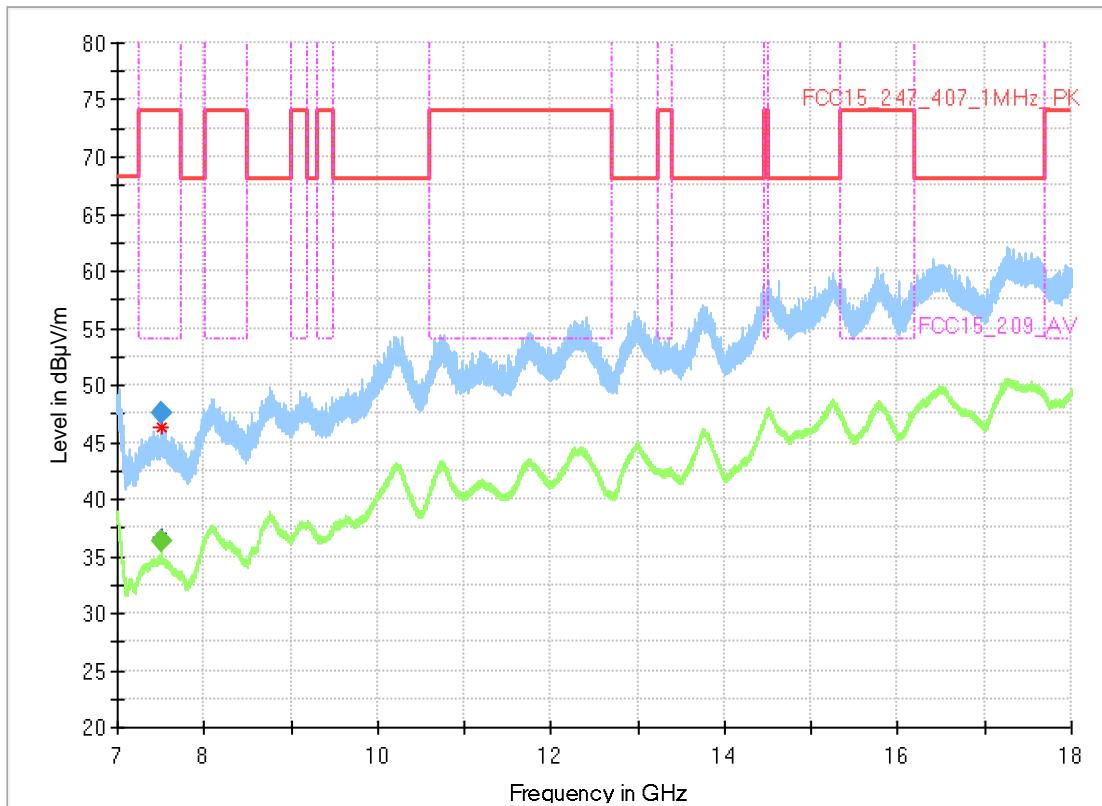
**n-mode****4.05b\_n-mode\_MCS5\_ch040****Common Information**

Test Description: Radiated emission related to 1m  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
 Operation mode: n-mode | HT20 || MCS5 | ch040  
 Operator Name: RIs  
 Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

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)
7499.000000	---	54.00	17.69	100.0	1000.000	V	77.0	0.0	9.2
7499.400000	47.50	74.00	26.50	100.0	1000.000	V	38.0	0.0	9.2

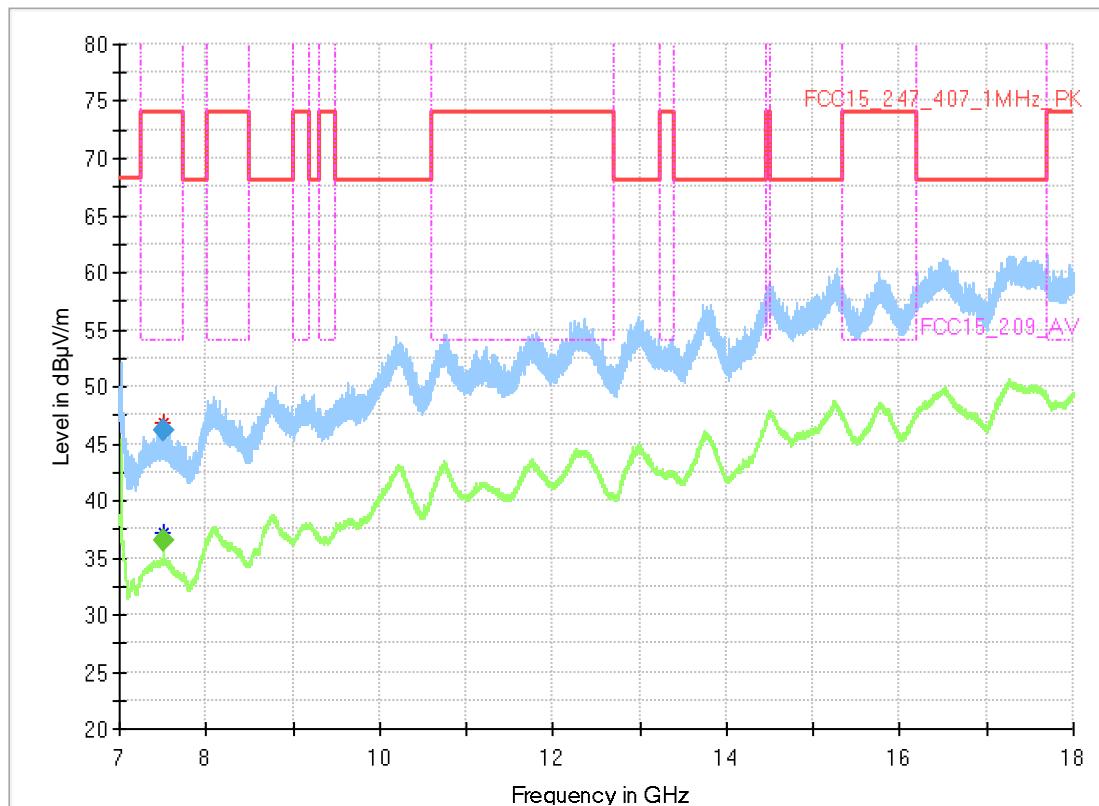
**4.06b\_n-mode\_MCS5\_ch052****Common Information**

Test Description: Radiated emission related to 1m  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
Operation mode: n-mode | HT20 || MCS5| ch052  
Operator Name: RIs  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

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)
7498.600000	46.12	74.00	27.88	100.0	1000.000	H	88.0	0.0	9.2
7499.000000	---	54.00	17.49	100.0	1000.000	H	22.0	0.0	9.2

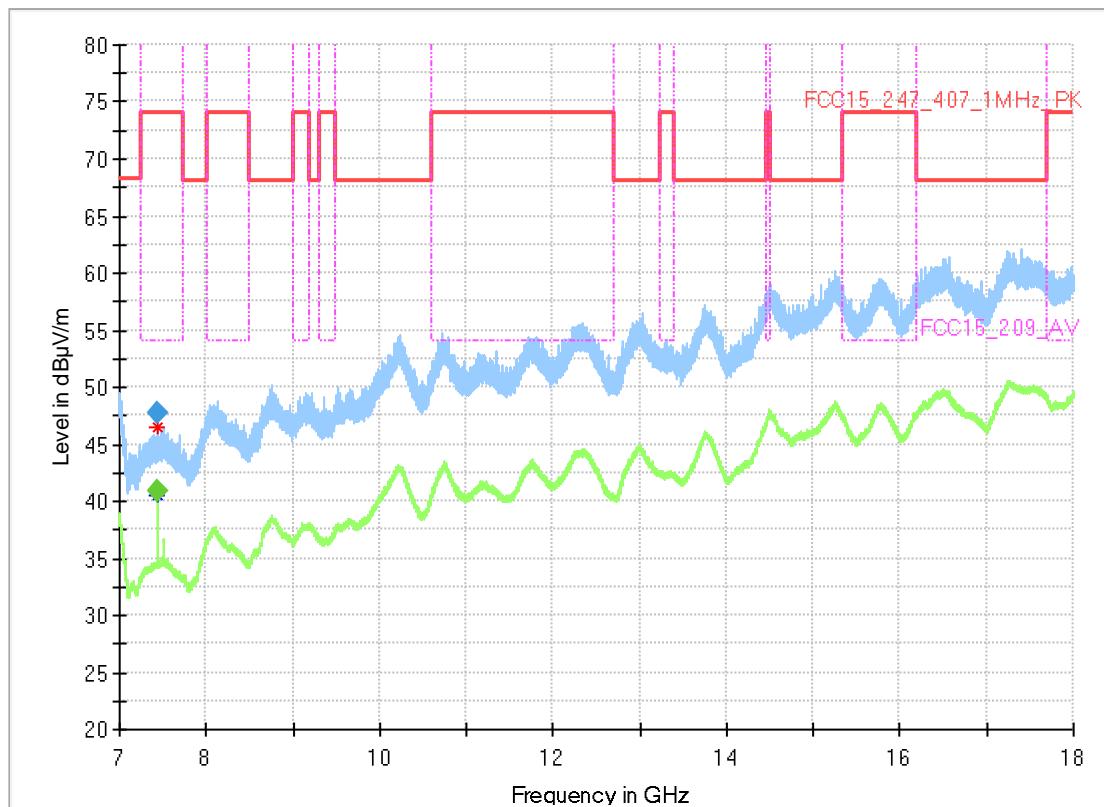
**4.07b\_n-mode\_MCS5\_ch116****Common Information**

Test Description: Radiated emission related to 1m  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
 Operation mode: n-mode | HT20 || MCS5 | ch116  
 Operator Name: RIIs  
 Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

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)
7439.800000	---	54.00	13.19	100.0	1000.000	H	57.0	0.0	9.1
7440.200000	47.71	74.00	26.29	100.0	1000.000	H	57.0	0.0	9.1

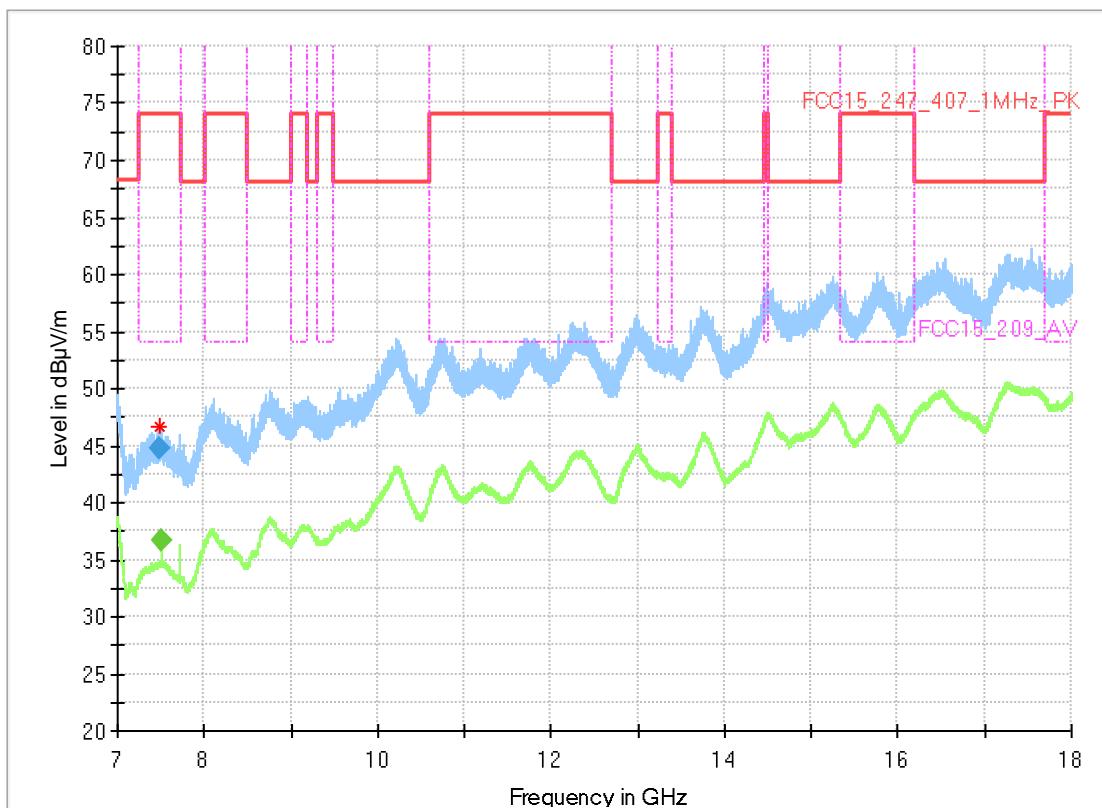
**4.08b\_n-mode\_MCS5\_ch157****Common Information**

Test Description: Radiated emission related to 1m  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
Operation mode: n-mode | HT20 || MCS5 | ch157  
Operator Name: RI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

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)
7483.400000	44.68	74.00	29.32	100.0	1000.000	H	157.0	0.0	9.2
7498.600000	---	54.00	17.35	100.0	1000.000	H	18.0	0.0	9.2

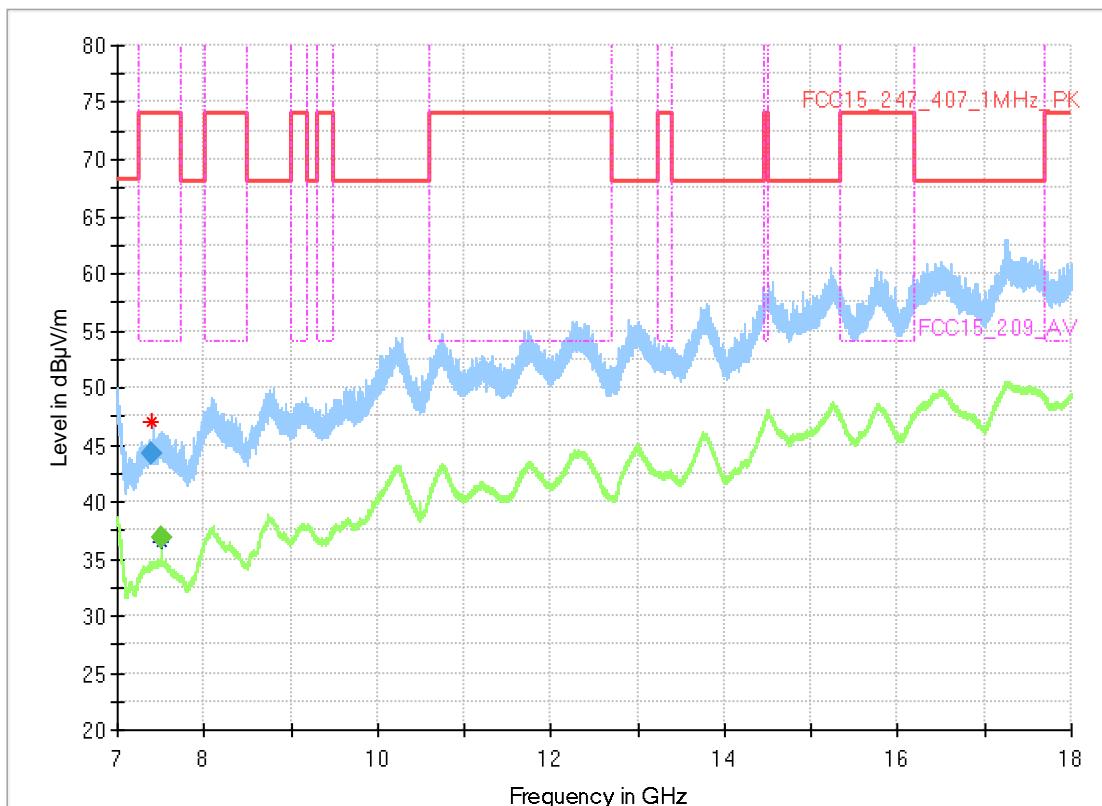
**ac-mode**
**4.09b\_ac-mode\_MCS5\_ch048**
**Common Information**

Test Description: Radiated emission related to 1m  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
 Operation mode: ac-mode | HT20 || MCS5 | ch048  
 Operator Name: RI  
 Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

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)
7402.200000	44.19	74.00	29.81	100.0	1000.000	V	32.0	0.0	9.0
7499.400000	---	54.00	17.11	100.0	1000.000	H	19.0	0.0	9.2

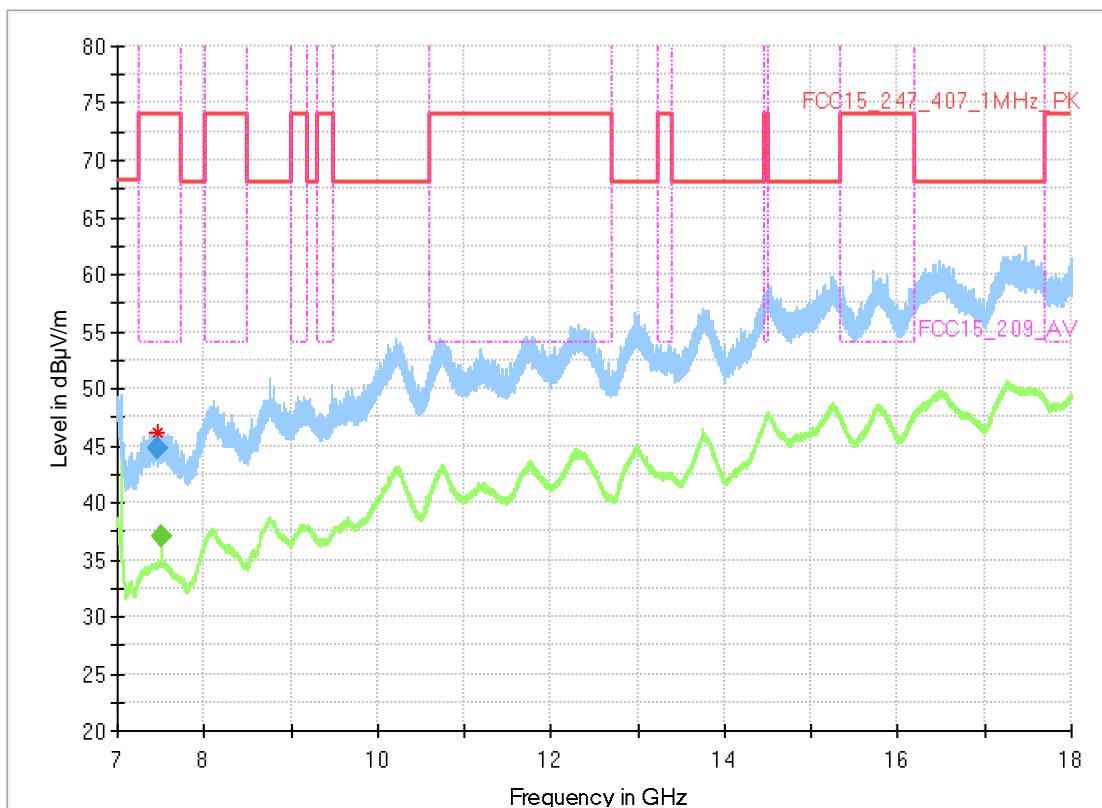
**4.10b\_ac-mode\_MCS5\_ch056****Common Information**

Test Description: Radiated emission related to 1m  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
 Operation mode: ac-mode | HT20 || MCS5| ch056  
 Operator Name: RIs  
 Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

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)
7468.600000	44.80	74.00	29.20	100.0	1000.000	H	201.0	0.0	9.2
7499.000000	---	54.00	16.92	100.0	1000.000	H	18.0	0.0	9.2

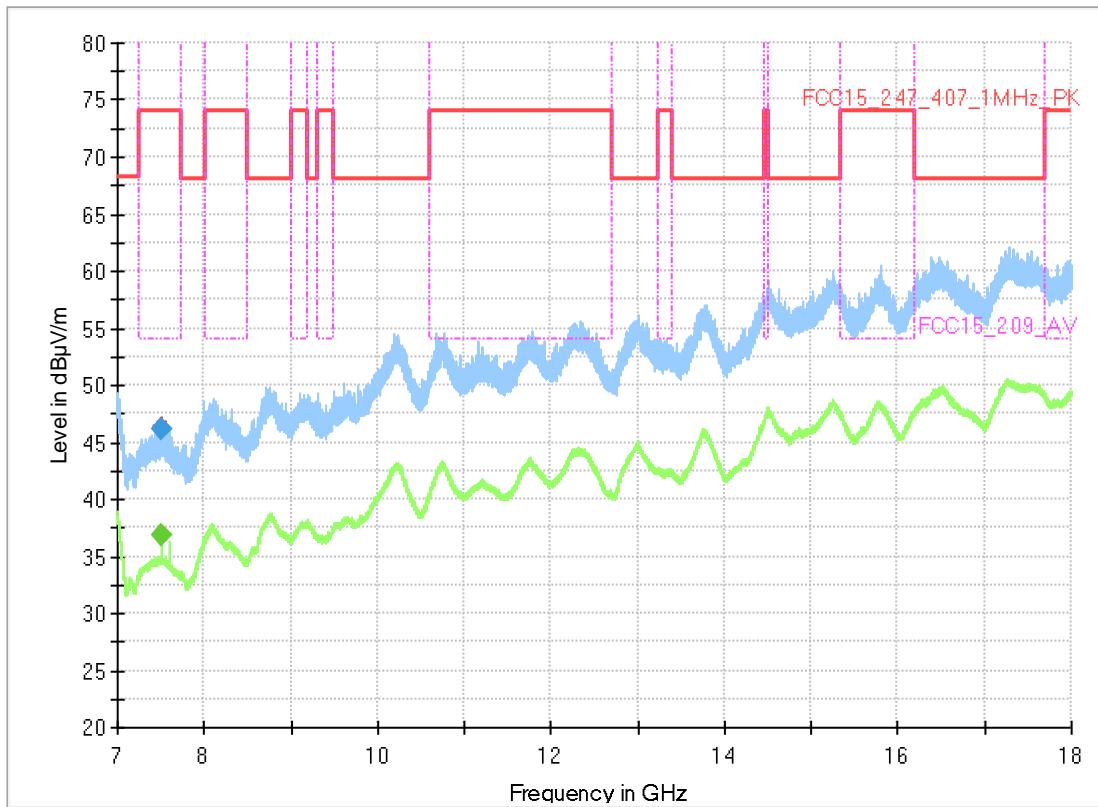
**4.11b\_ac-mode\_MCS5\_ch140****Common Information**

Test Description: Radiated emission related to 1m  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: Fully Anechoic Room (FAR) - EMC32 V9.26.00  
Operation mode: ac-mode | HT20 || MCS5 | ch140  
Operator Name: RIIs  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
7498.600000	46.22	74.00	27.78	100.0	1000.000	H	22.0	0.0	9.2
7499.400000	---	54.00	17.24	100.0	1000.000	H	19.0	0.0	9.2

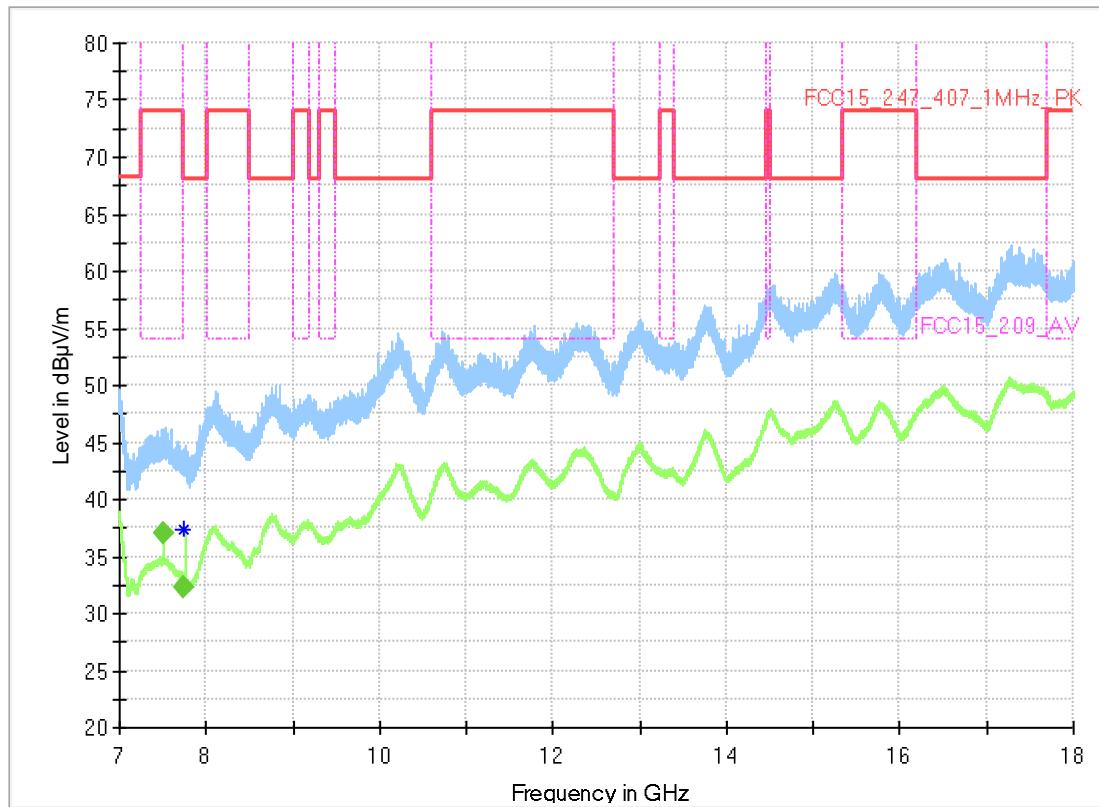
**4.12b\_ac-mode\_MCS5\_ch165****Common Information**

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 165  
 Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final Result**

Frequency (MHz)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	37.06	54.00	16.94	100.0	1000.000	H	17.0	9.2
7746.200000	32.22	54.00	21.78	100.0	1000.000	H	55.0	8.2

### 3.4.2. 40MHz Bandwidth

#### n-mode

### 4.13b\_n-mode\_MCS7\_ch038

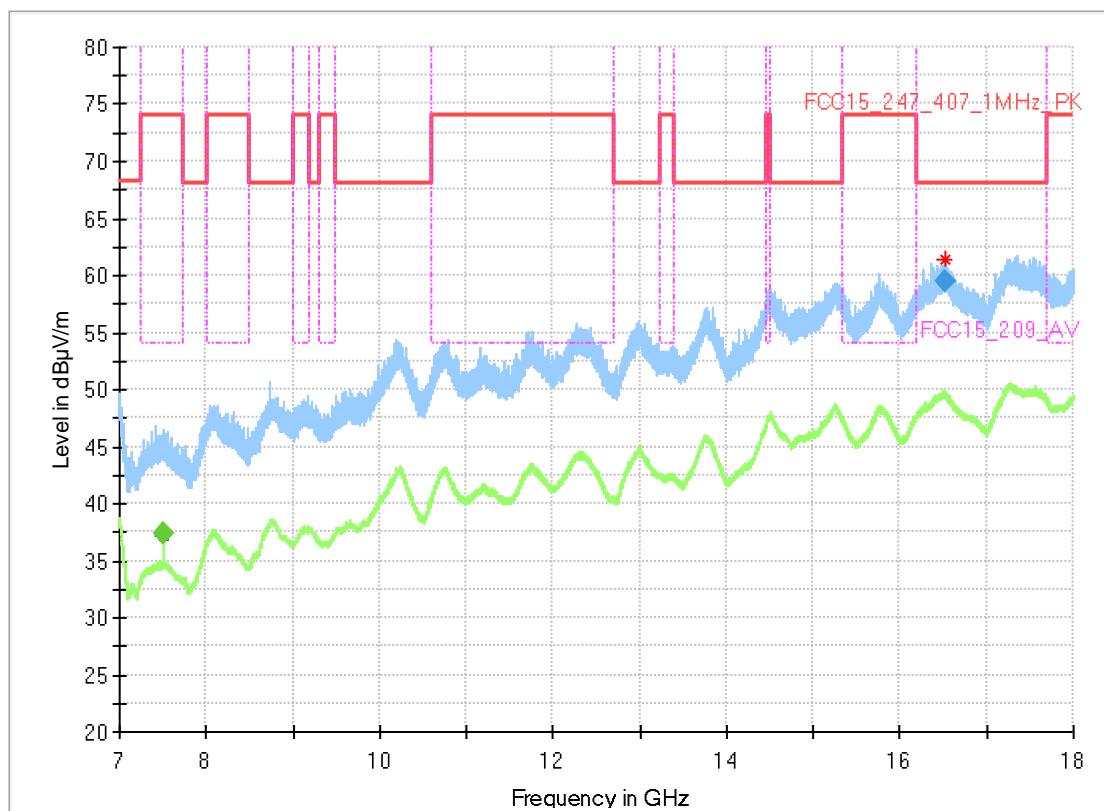
#### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 38  
 Verdict: Passed

#### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

Full Spectrum



#### Final Result

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	---	37.31	54.00	16.69	100.0	1000.000	H	35.0	9.2
16529.400000	59.48	---	68.00	8.52	100.0	1000.000	H	205.0	24.7

## 4.14b\_n-mode\_MCS7\_ch54

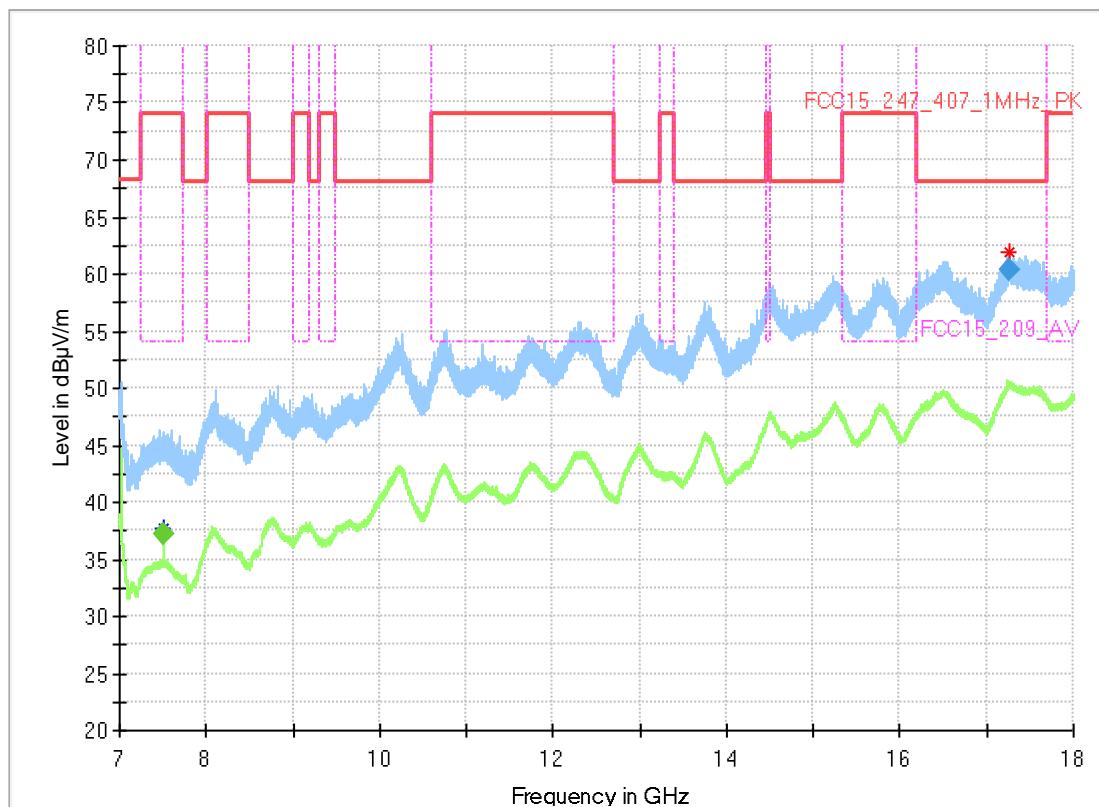
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 54  
 Verdict: Passed

### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

Full Spectrum



### Final Result

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	---	37.11	54.00	16.89	100.0	1000.000	H	17.0	9.2
17254.200000	60.38	---	68.00	7.62	100.0	1000.000	V	322.0	25.1

## 4.15b\_n-mode\_MCS7\_ch102

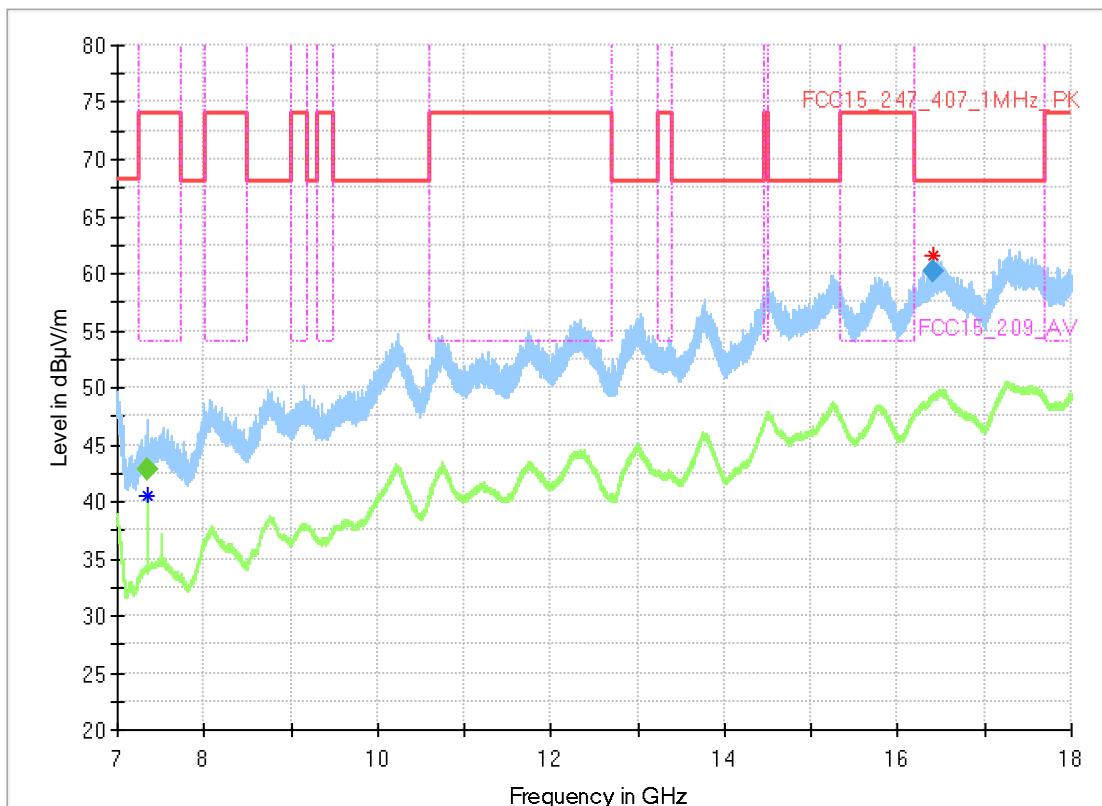
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: TX, continuous  
 Operator Name: TFra  
 Comment: Channel no. 102  
 Verdict: Passed

### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

Full Spectrum



### Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	RMS (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7346.600000	---	42.86	54.00	11.14	100.0	1000.000	H	52.0	8.8
16415.800000	60.23	---	68.00	7.77	100.0	1000.000	V	38.0	24.3

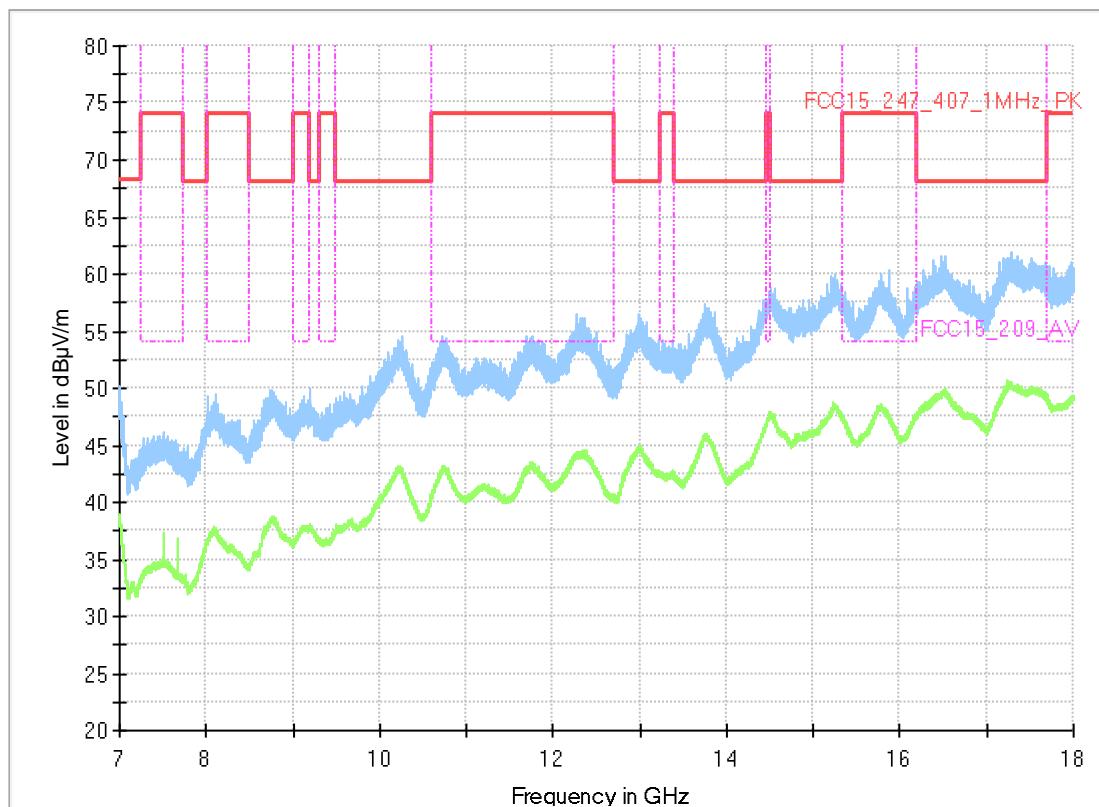
**4.16b\_n-mode\_MCS7\_ch151****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: TX, continuous  
Operator Name: TFra  
Comment: Channel no. 151  
Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



**ac-mode**  
**4.17b\_ac-mode\_MCS7\_ch046**

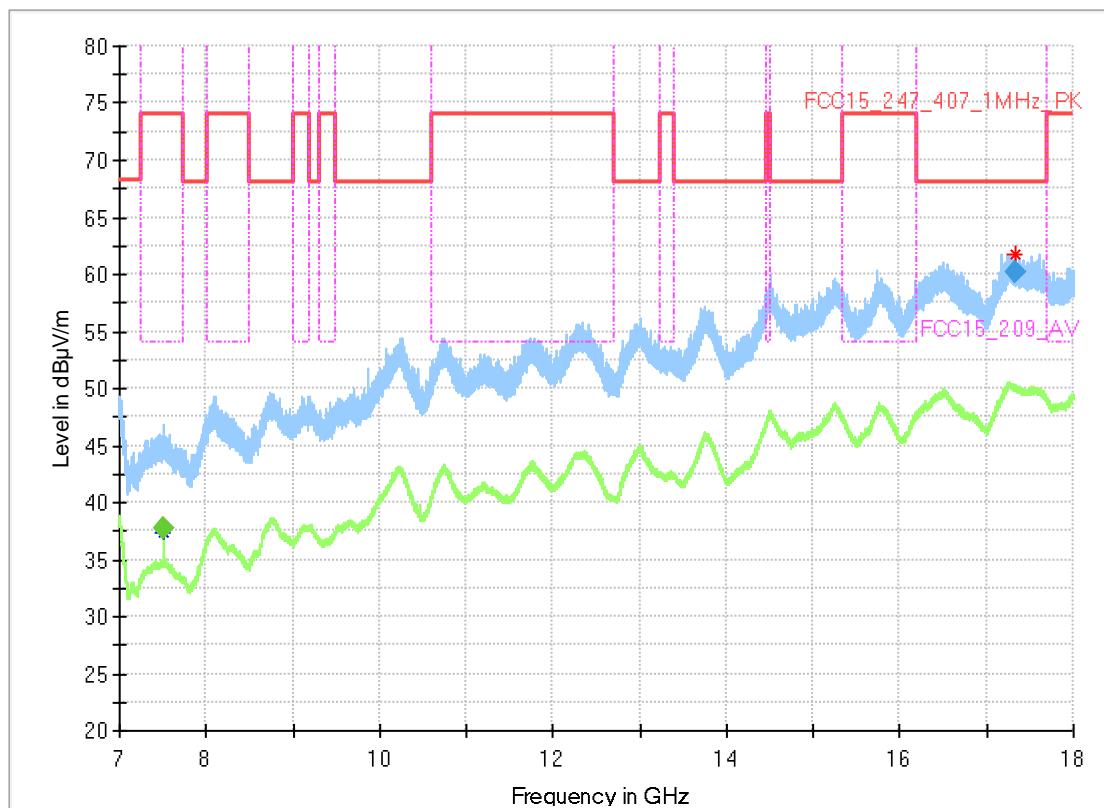
**Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: TX, continuous  
Operator Name: TFra  
Comment: Channel no. 46  
Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	---	37.71	54.00	16.29	100.0	1000.000	H	18.0	9.2
17337.800000	60.17	---	68.00	7.83	100.0	1000.000	V	178.0	24.9

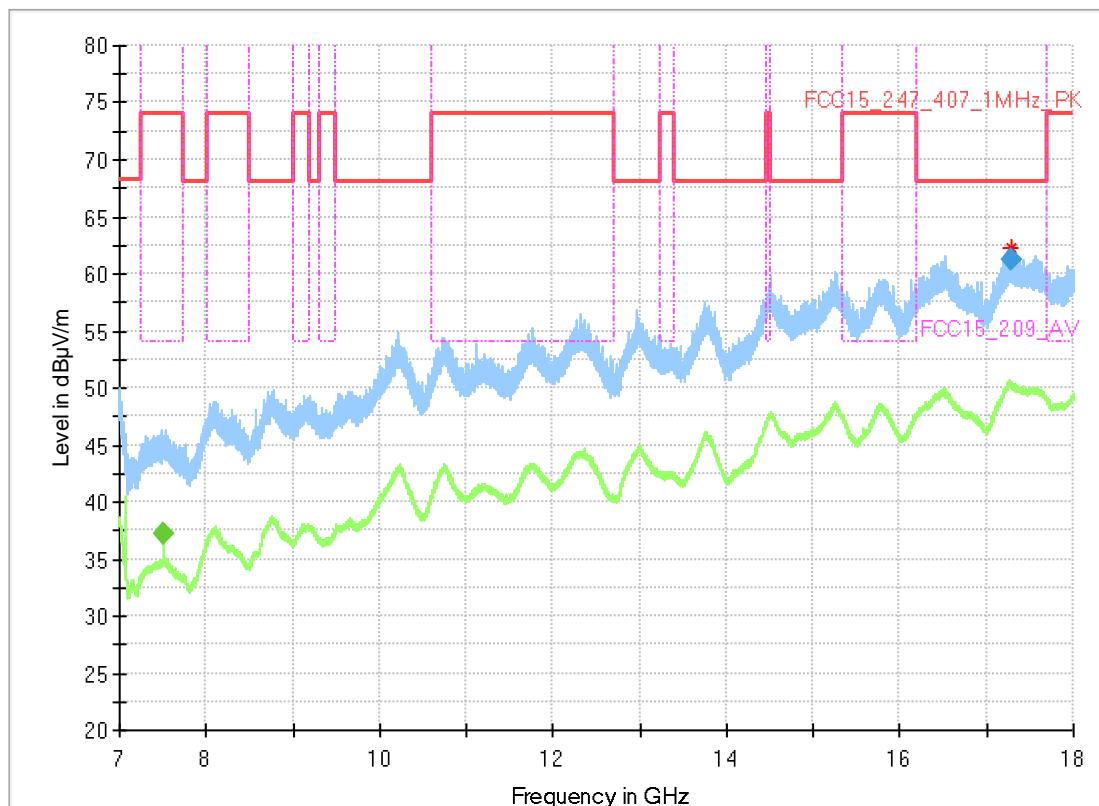
**4.18b\_ac-mode\_MCS7\_ch62****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: TX, continuous  
Operator Name: TFra  
Comment: Channel no. 62  
Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7498.600000	---	37.24	54.00	16.76	100.0	1000.000	H	15.0	9.2
17287.400000	61.19	---	68.00	6.81	100.0	1000.000	H	18.0	25.1

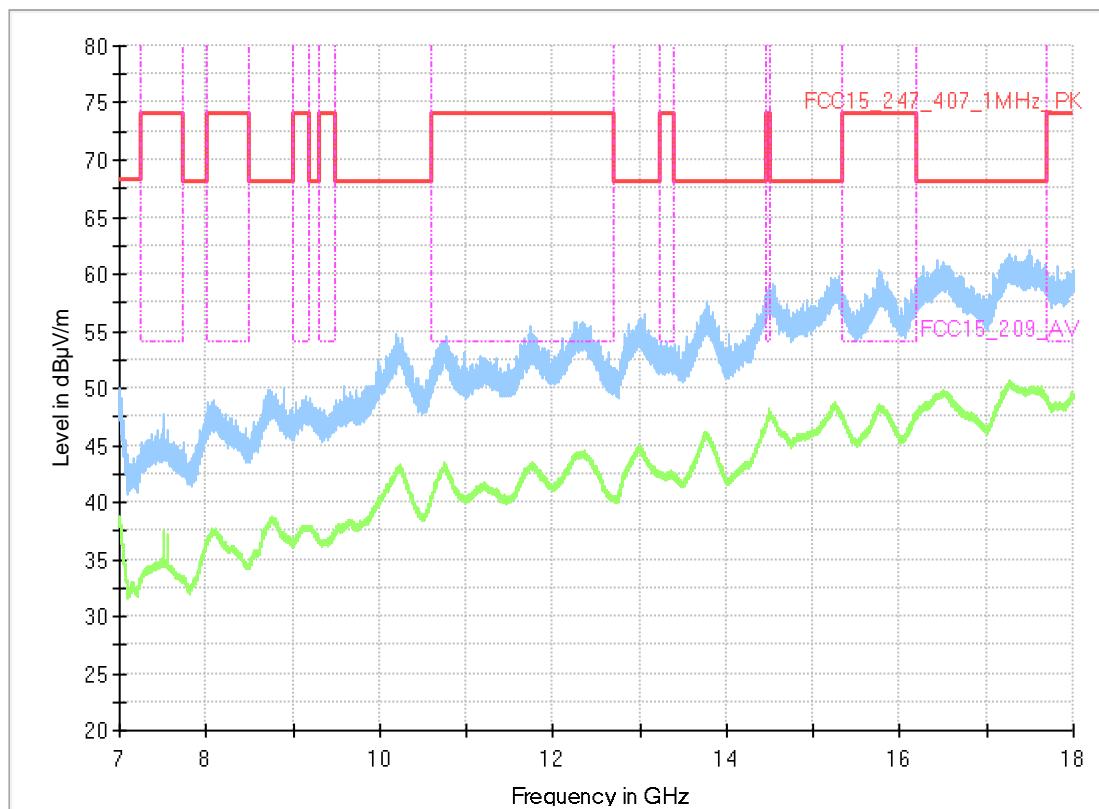
**4.19b\_ac-mode\_MCS7\_ch134****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: TX, continuous  
Operator Name: TFra  
Comment: Channel no. 134  
Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



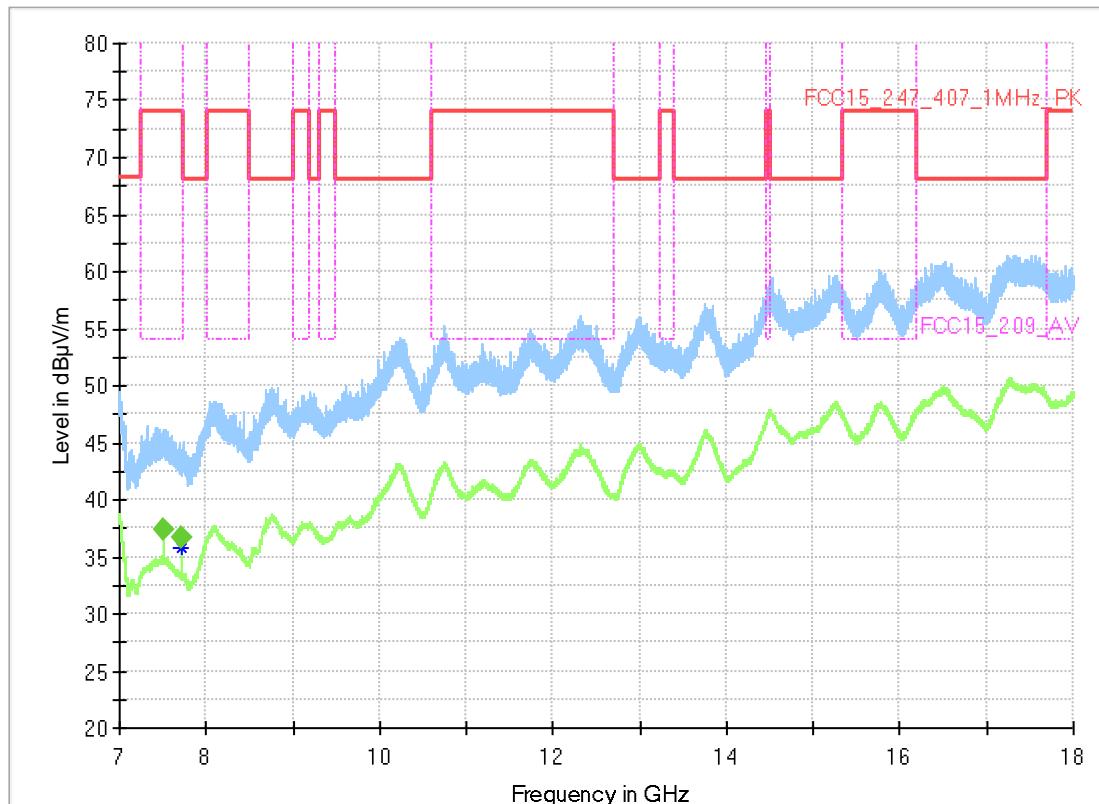
**4.20b\_ac-mode\_MCS7\_ch159****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: TX, continuous  
Operator Name: TFra  
Comment: Channel no. 159  
Verdict: Passed

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum



### 3.4.3. 80MHz Bandwidth

#### ac-mode

#### 4.21b\_ac-mode\_MCS0\_ch042

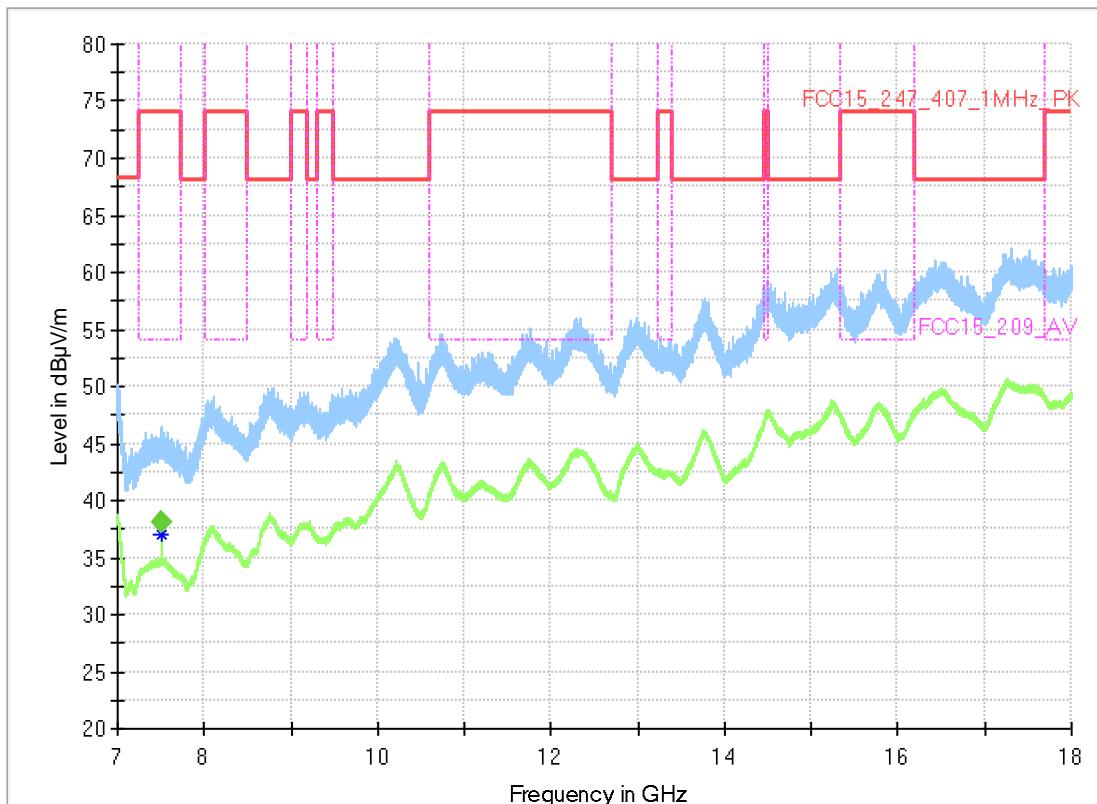
##### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: ac-mode | HT80 || MCS0 | ch042  
 Operator Name: HE1  
 Comment: 120 V AC

##### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

#### Full Spectrum



##### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	---	38.14	54.00	15.86	100.0	1000.000	H	17.0	9.2

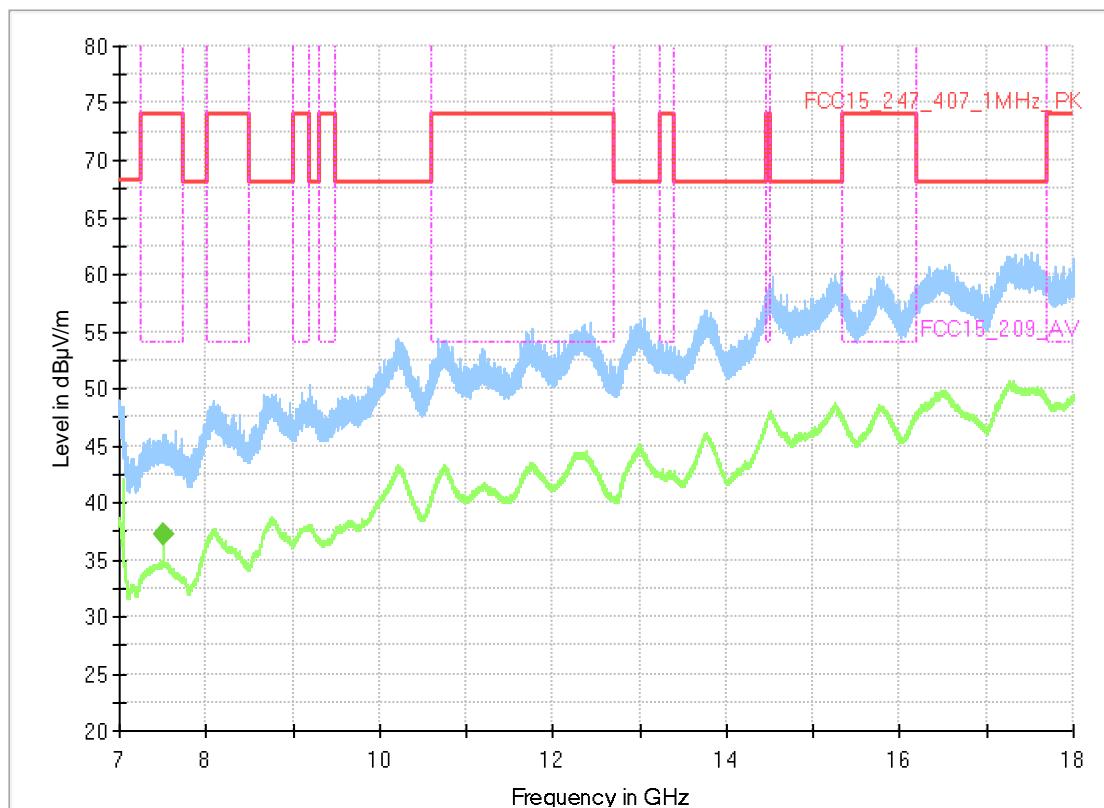
**4.22b\_ac-mode\_MCS0\_ch58****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: ac-mode | HT80 || MCS0| ch058  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	---	37.27	54.00	16.73	100.0	1000.000	H	16.0	9.2

## 4.23b\_ac-mode\_MCS0\_ch106

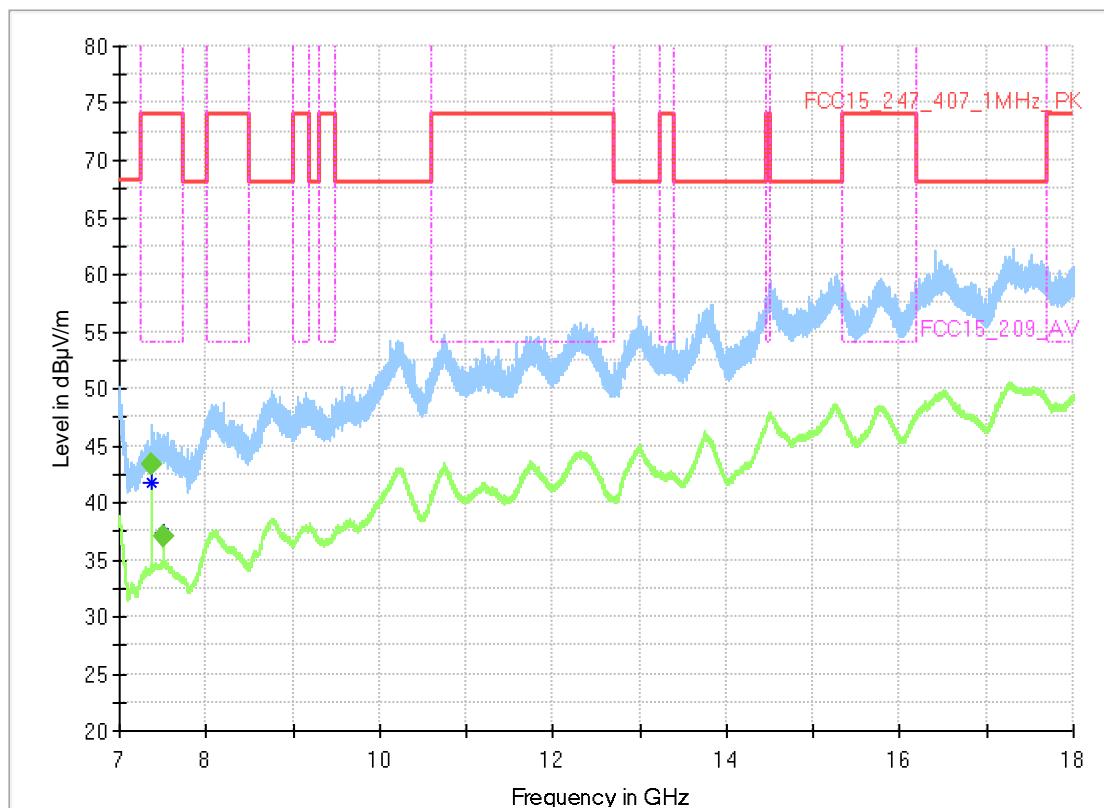
### Common Information

Test Description: Radiated field strength emission in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical  
 Software Version: #Ver  
 Operation mode: ac-mode | HT80 || MCS0 | ch106  
 Operator Name: HEI  
 Comment: 120 V AC

### EUT Information

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
 Model: Thermomix  
 Type: Household equipment with WLAN  
 HW version: NWOT  
 SW version: 0.18.109-201808300615  
 Serial number: 18434212024100415  
 Power Supply: 120 VDC 60 Hz

Full Spectrum



### Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7373.400000	---	43.40	54.00	10.60	100.0	1000.000	H	53.0	8.9
7499.000000	---	37.01	54.00	16.99	100.0	1000.000	H	18.0	9.2

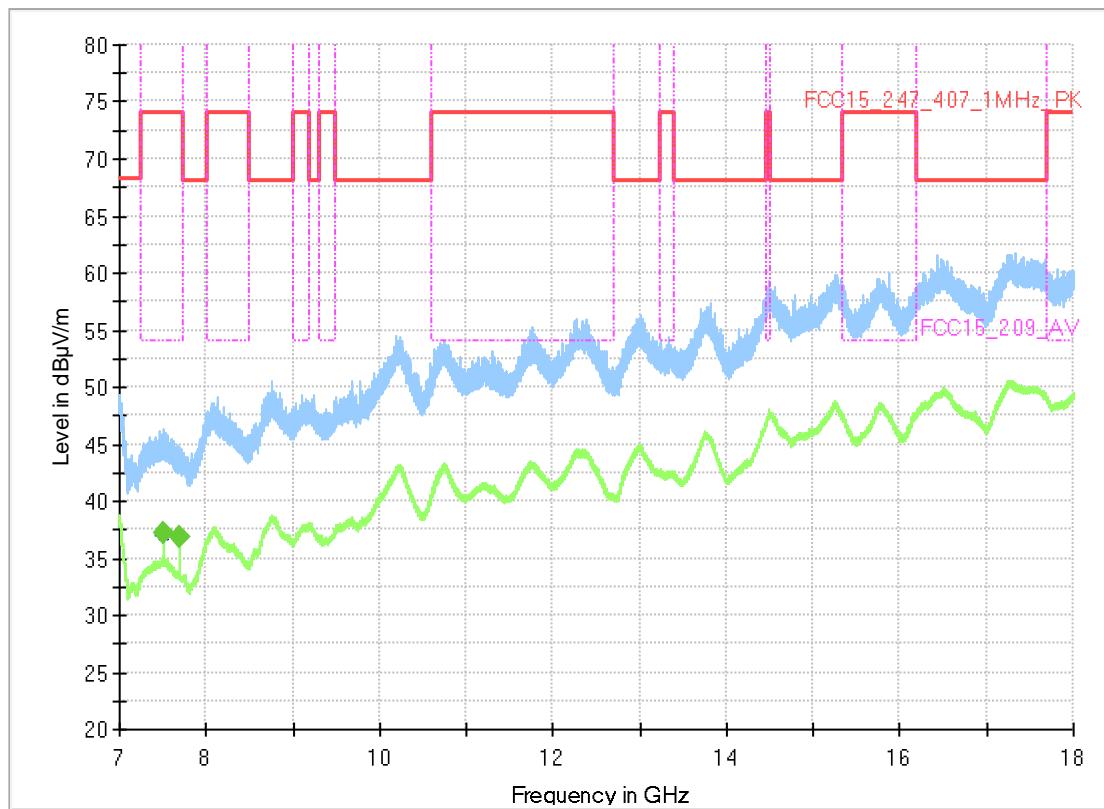
**4.24b\_ac-mode\_MCS0\_ch155****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operation mode: ac-mode | HT80 || MCS0 | ch155  
Operator Name: HEI  
Comment: 120 V AC

**EUT Information**

Manufacturer: Vorwerk Elektroware GmbH + Co. KG  
Model: Thermomix  
Type: Household equipment with WLAN  
HW version: NWOT  
SW version: 0.18.109-201808300615  
Serial number: 18434212024100415  
Power Supply: 120 VDC 60 Hz

Full Spectrum

**Final\_Result**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	RMS (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
7499.000000	---	37.25	54.00	16.75	100.0	1000.000	H	17.0	9.2
7699.800000	---	36.88	54.00	17.12	100.0	1000.000	H	57.0	8.2

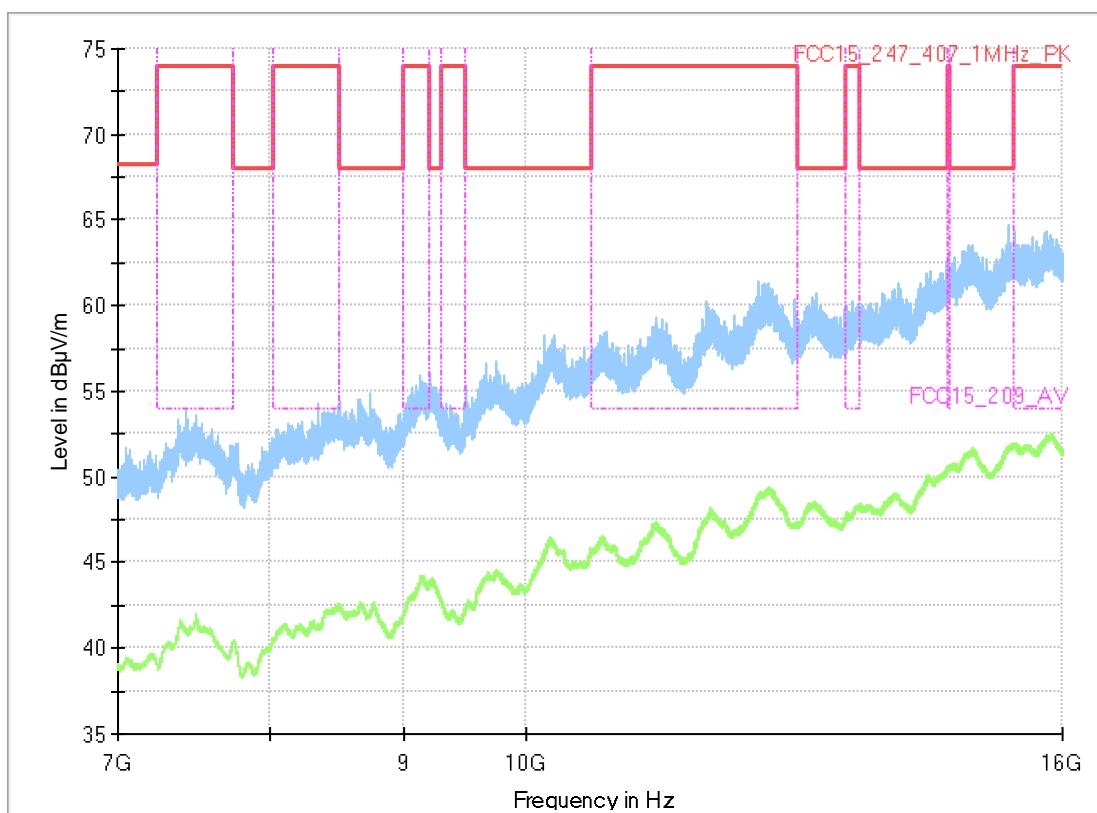
**WLAN & Bluetooth simultaneous transmissions****4.25b\_WLAN5+BT****Common Information**

Test Description: Radiated field strength emission in 3m distance  
Test Site: CETECOM GmbH Essen  
Test Standard: FCC 15.407&15.209 Intentional Radiator  
Antenna polarisation: horizontal/vertical  
Software Version: #Ver  
Operating Mode: 5GHz Wifi Iperf Connection with router + BT connection with Speaker  
Operator: FKA  
Comment: Channel no. low/middle/highEnvironmental Conditions::  
EUT Setup: 1  
Verdict: Inconclusive

**EUT Information**

EUT Name: Thermomix  
Manufacturer: Vorwerk Elektroware GmbH & Co KG.  
Product: Household equipment with WLAN  
EUT Model: NWOT  
Serial Number: 18434212024100521  
Hardware Rev:  
Software Rev:  
Comment: 120V AC

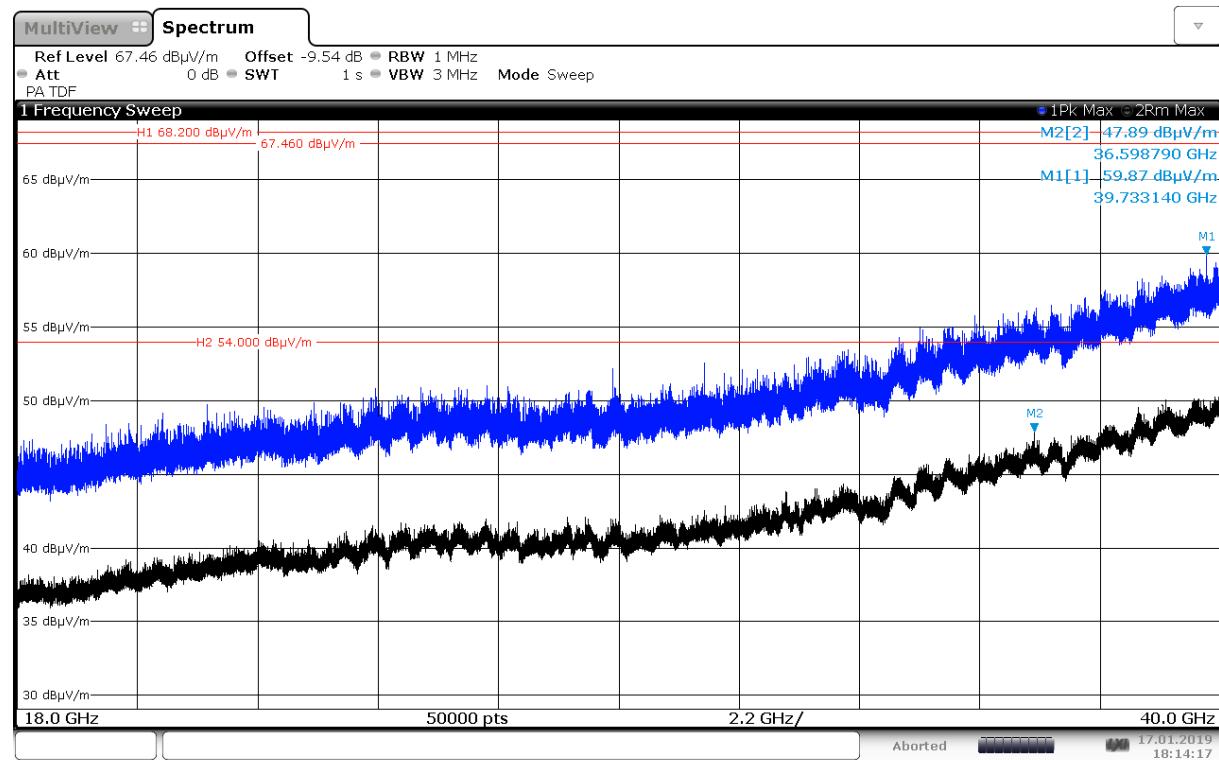
Full Spectrum



### 3.5. Radiated electric field measurement 18 GHz to 40 GHz

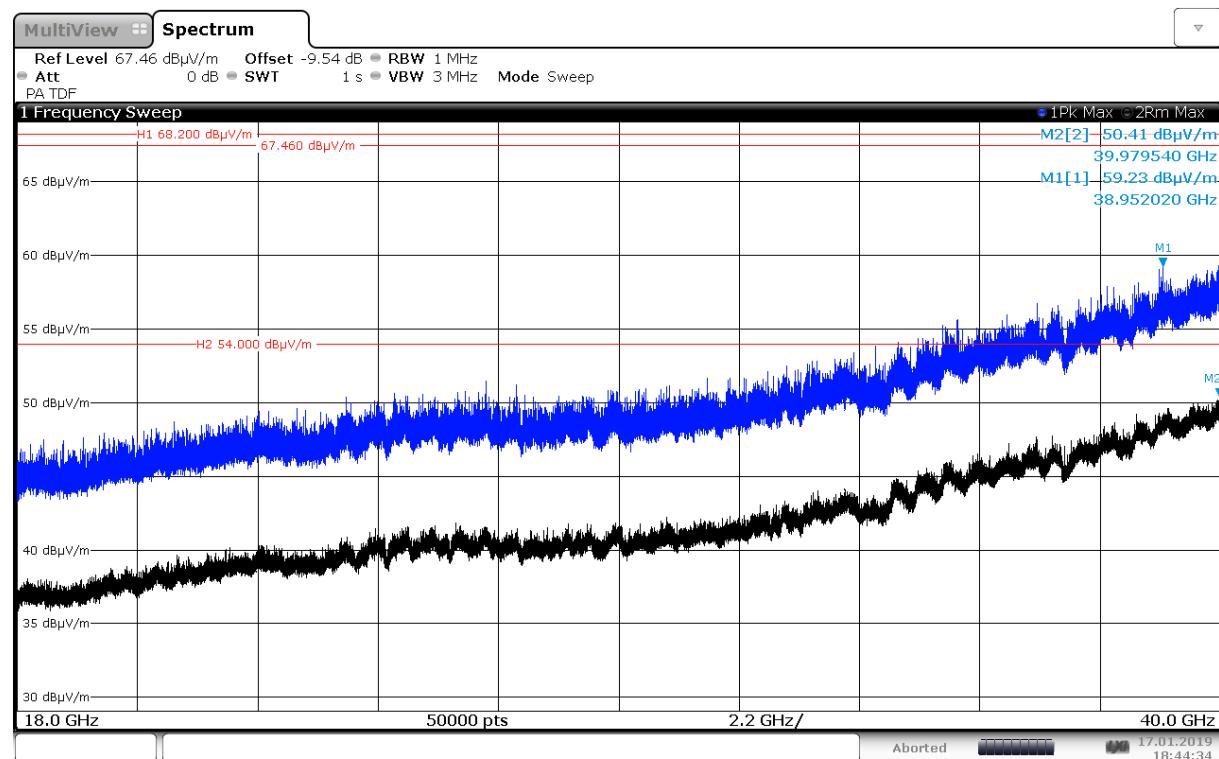
#### 3.5.1. 20 MHz Bandwidth

##### a-mode



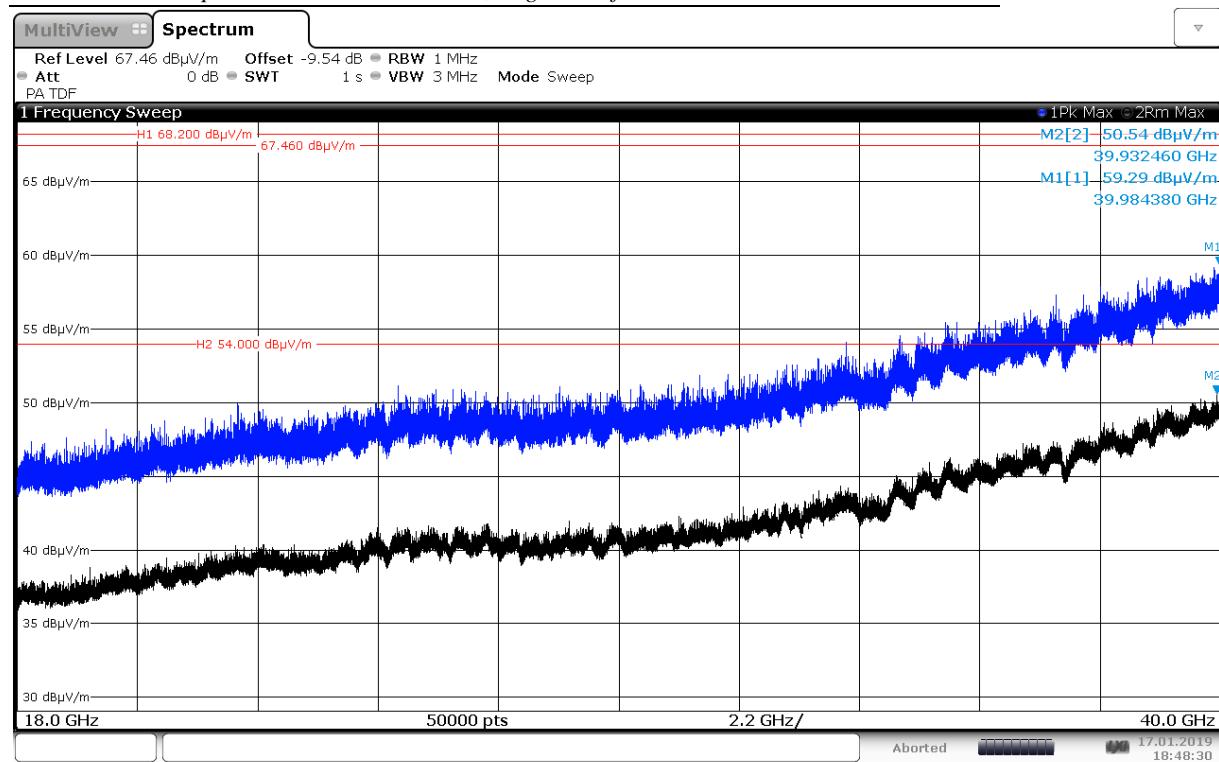
18:14:18 17.01.2019

#### 4.01c\_a-mode\_18MBps\_ch036



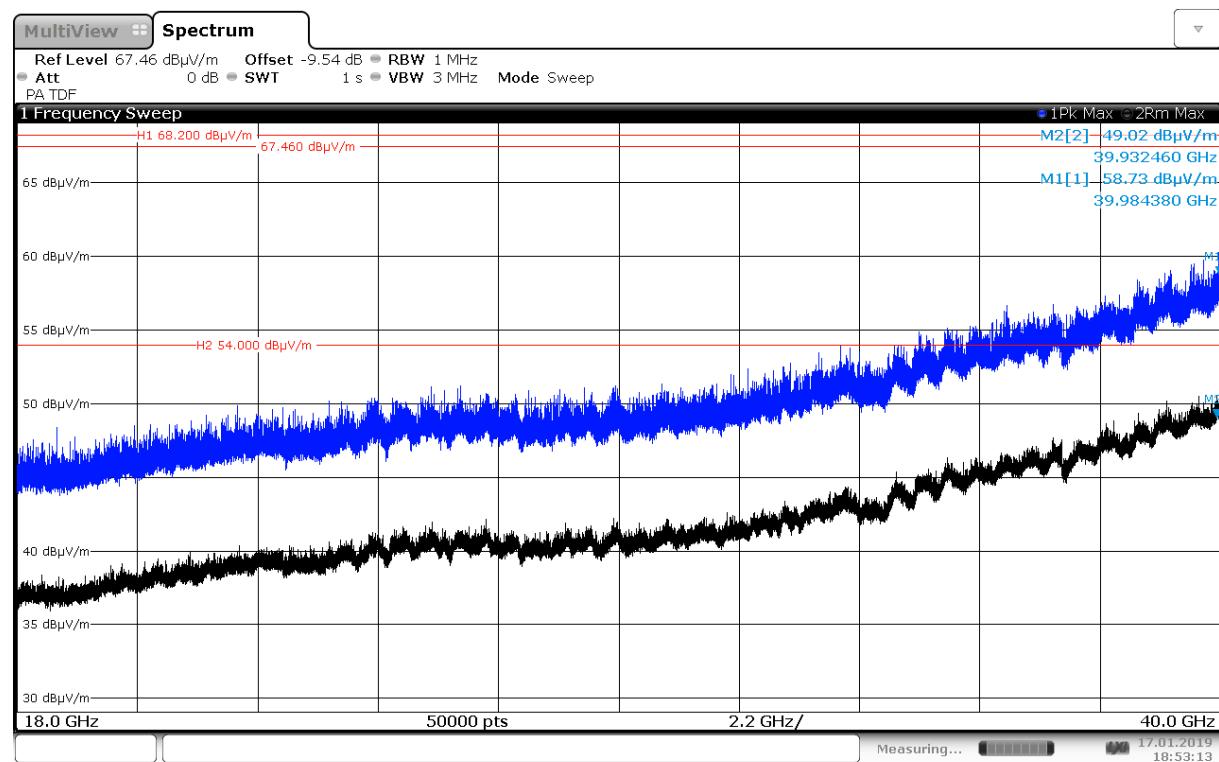
18:44:35 17.01.2019

#### 4.02c\_a-mode\_18MBps\_ch064



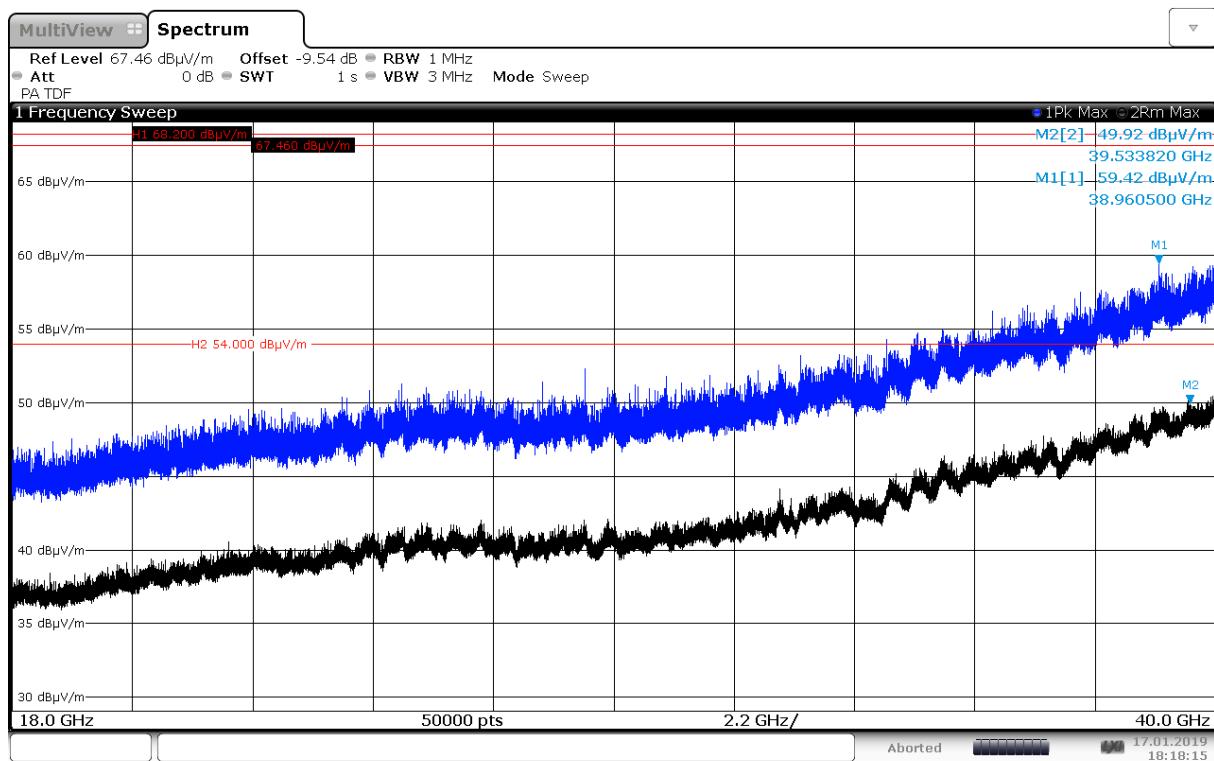
18:48:30 17.01.2019

#### 4.03c\_a-mode\_18MBps\_ch100

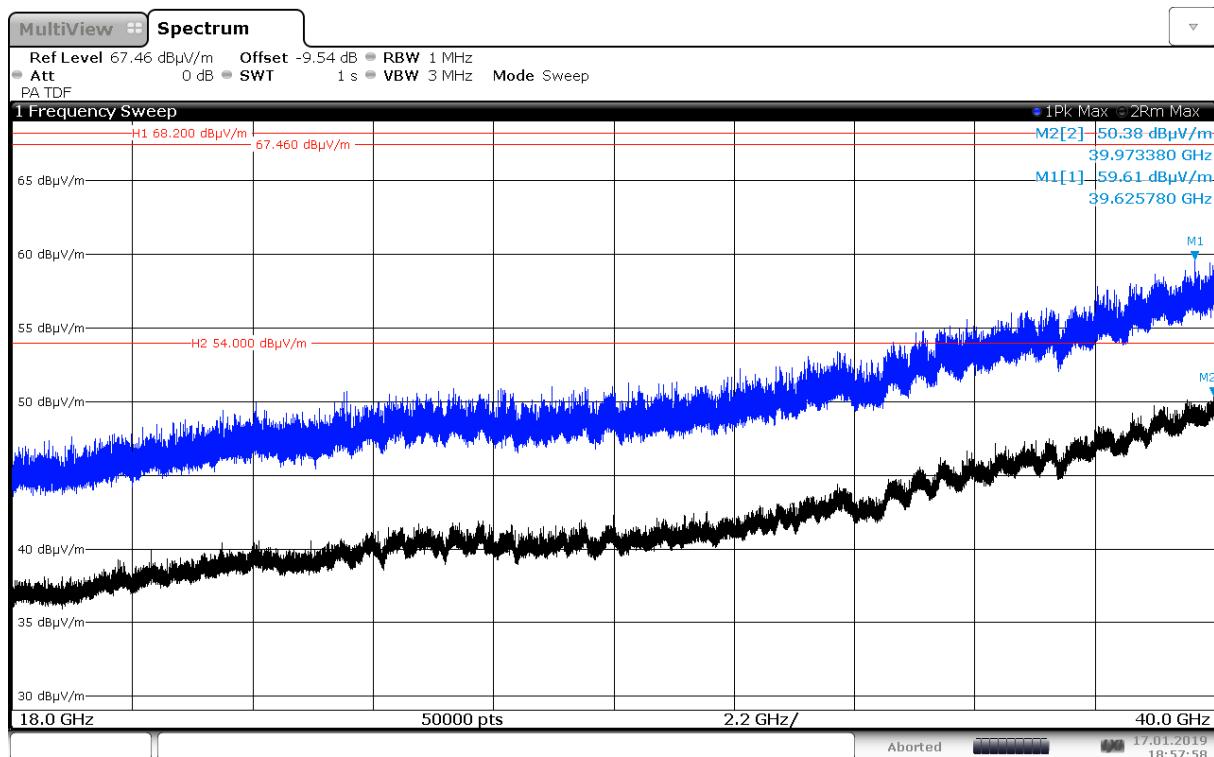


18:53:14 17.01.2019

#### 4.04c\_a-mode\_18MBps\_ch149

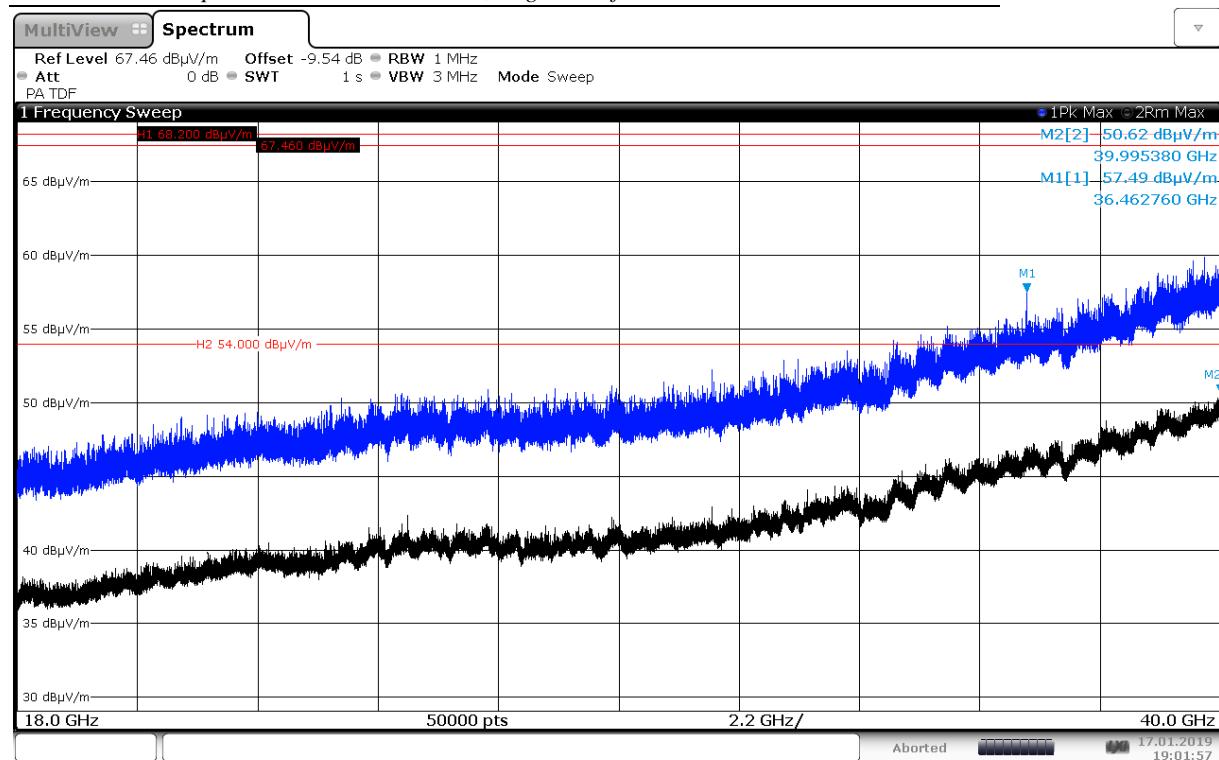
**n-mode**


18:18:15 17.01.2019

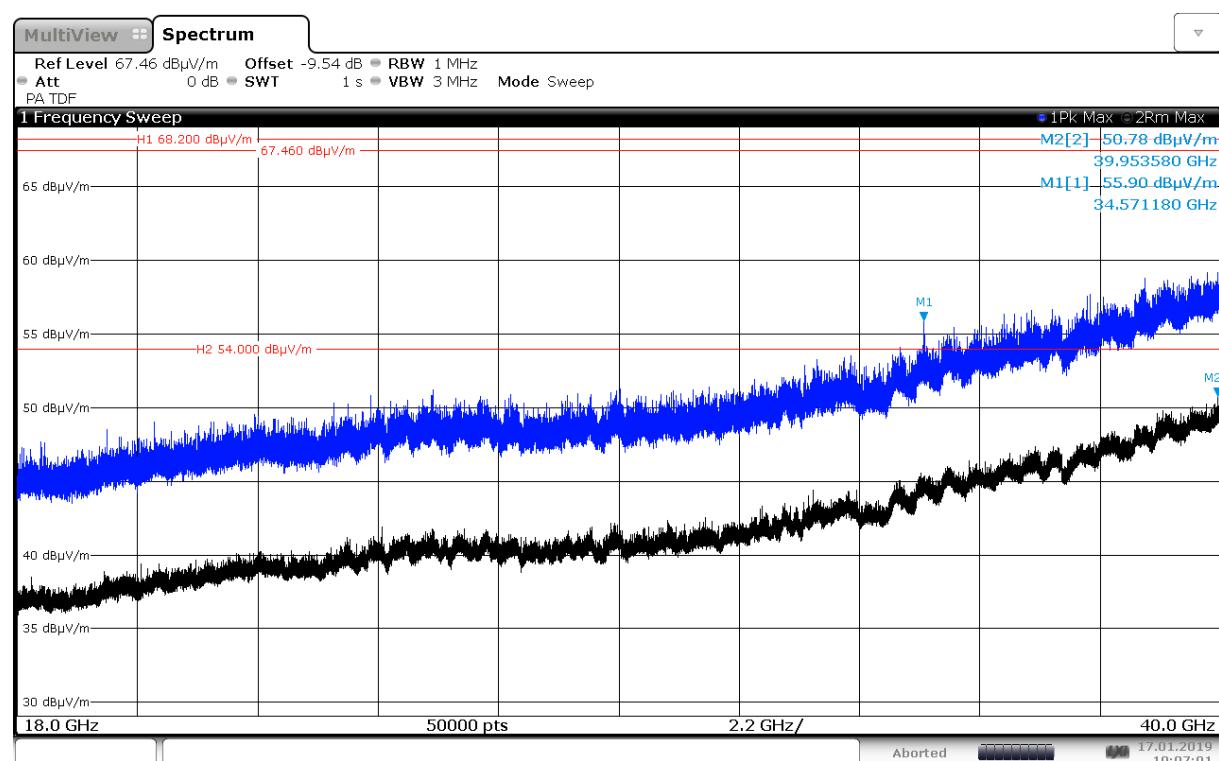
**4.05c\_n-mode\_MCS5\_ch040**


18:57:58 17.01.2019

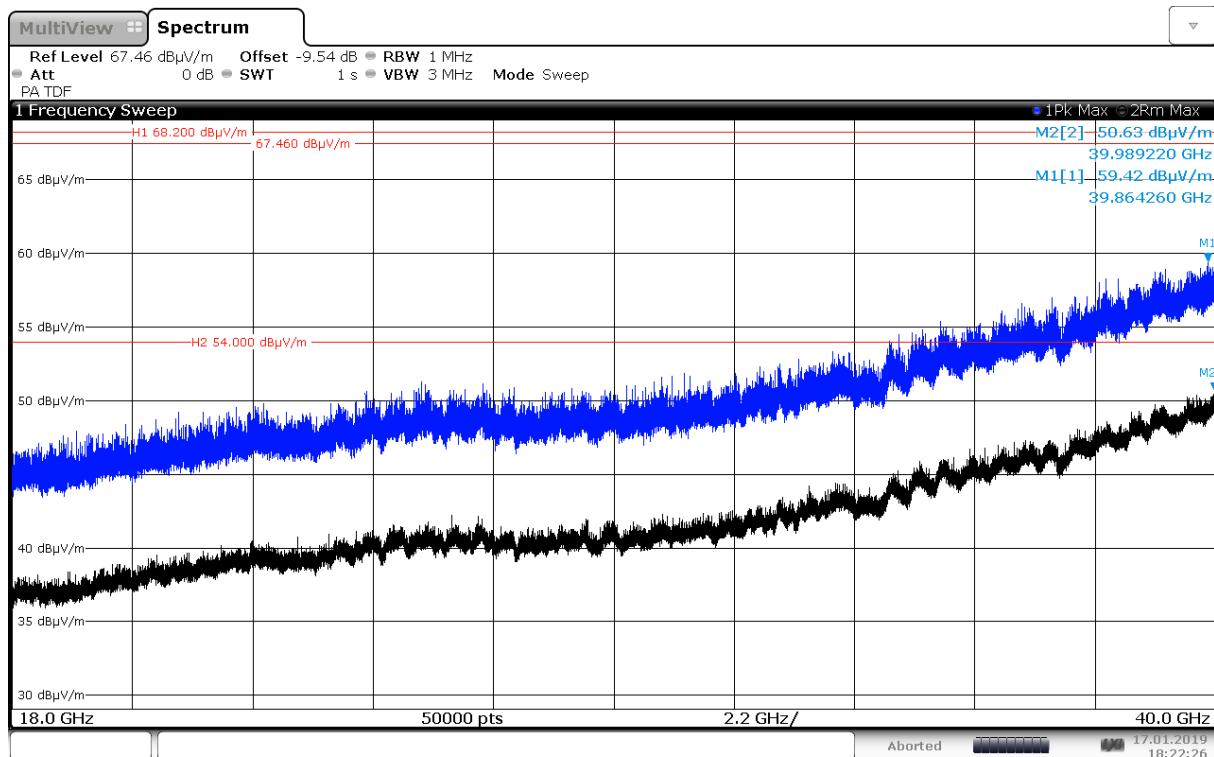
**4.06c\_n-mode\_MCS5\_ch052**



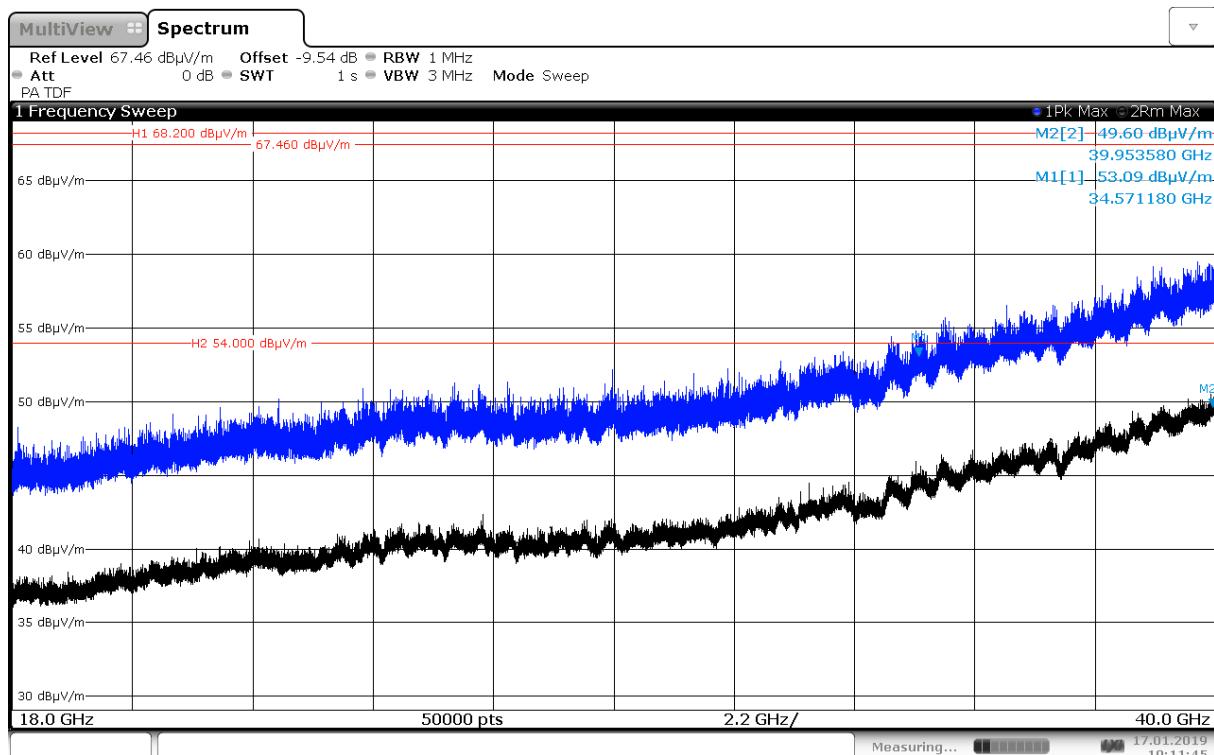
#### 4.07c\_n-mode\_MCS5\_ch116



#### 4.08c\_n-mode\_MCS5\_ch157

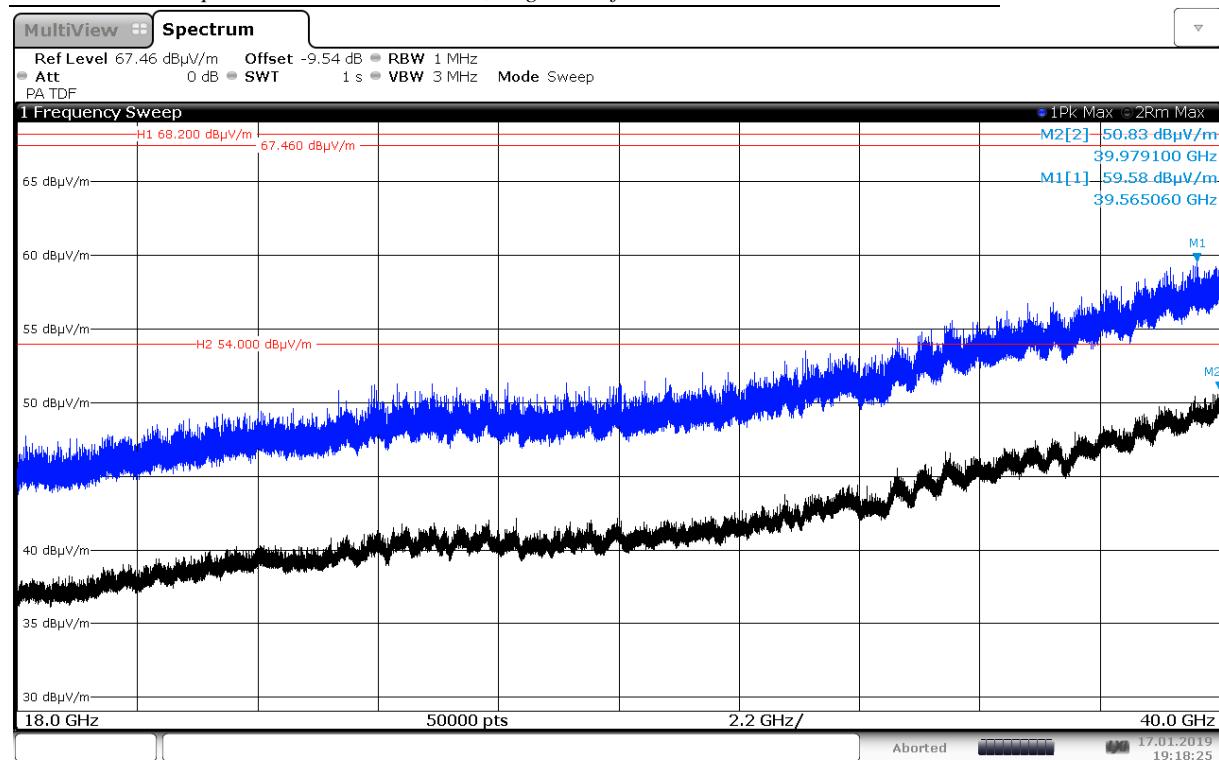
**ac-mode**


18:22:27 17.01.2019

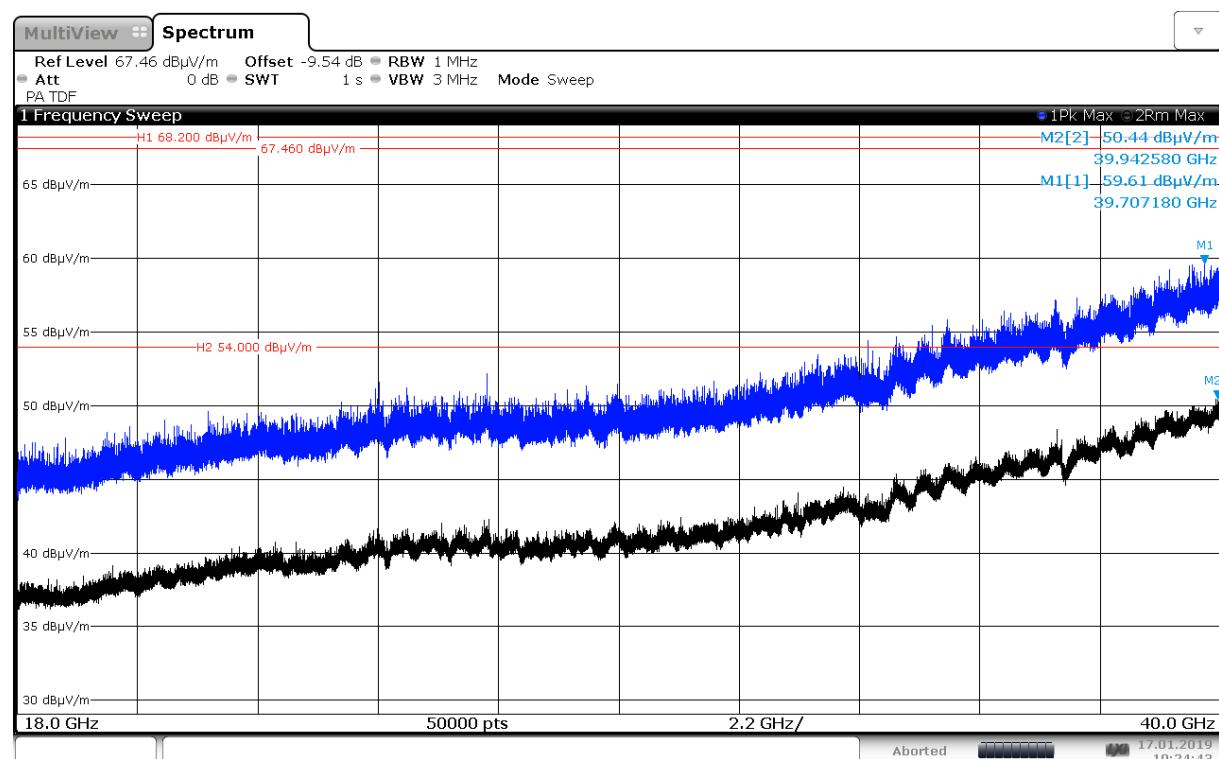
**4.09c\_ac-mode\_MCS5\_ch048**


19:11:46 17.01.2019

**4.10c\_ac-mode\_MCS5\_ch056**



#### 4.11c\_ac-mode\_MCS5\_ch140



19:24:43 17.01.2019

#### 4.12c\_ac-mode\_MCS5\_ch165