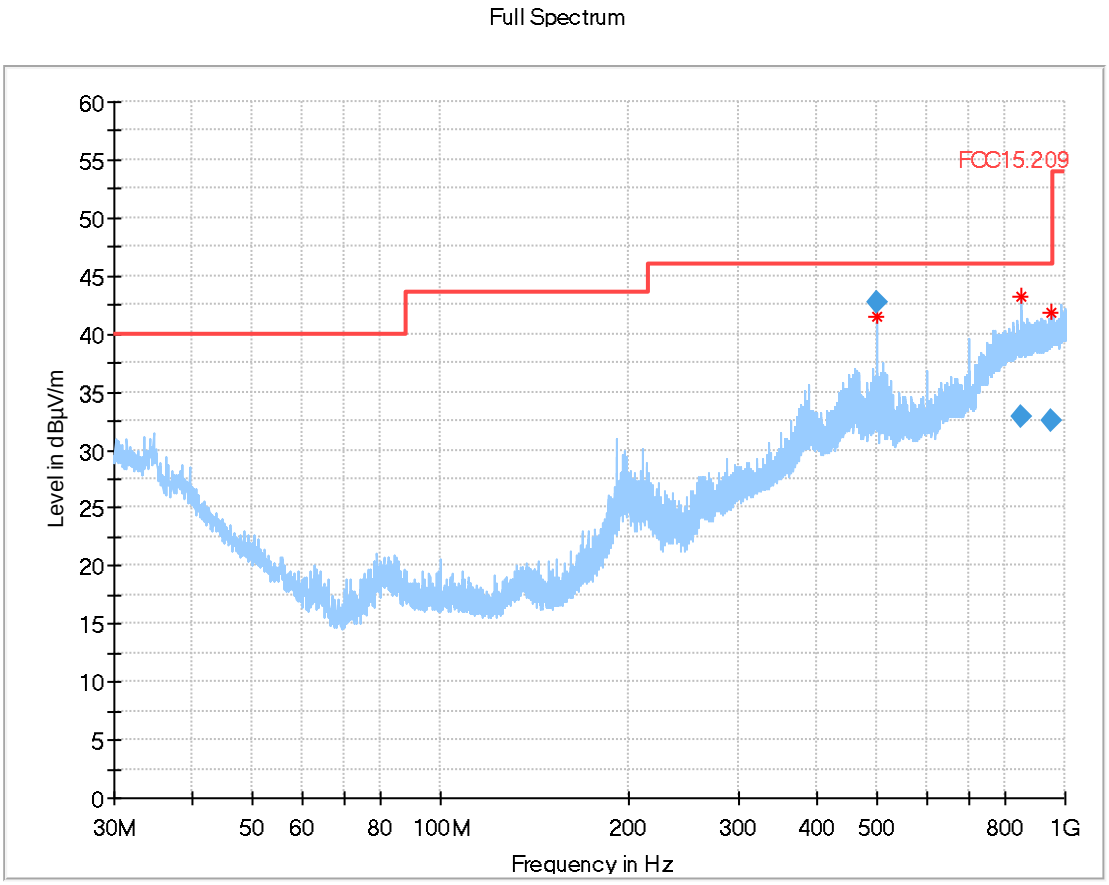
3.18a_ac-mode_MCS7_ch062

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 | ch062
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



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

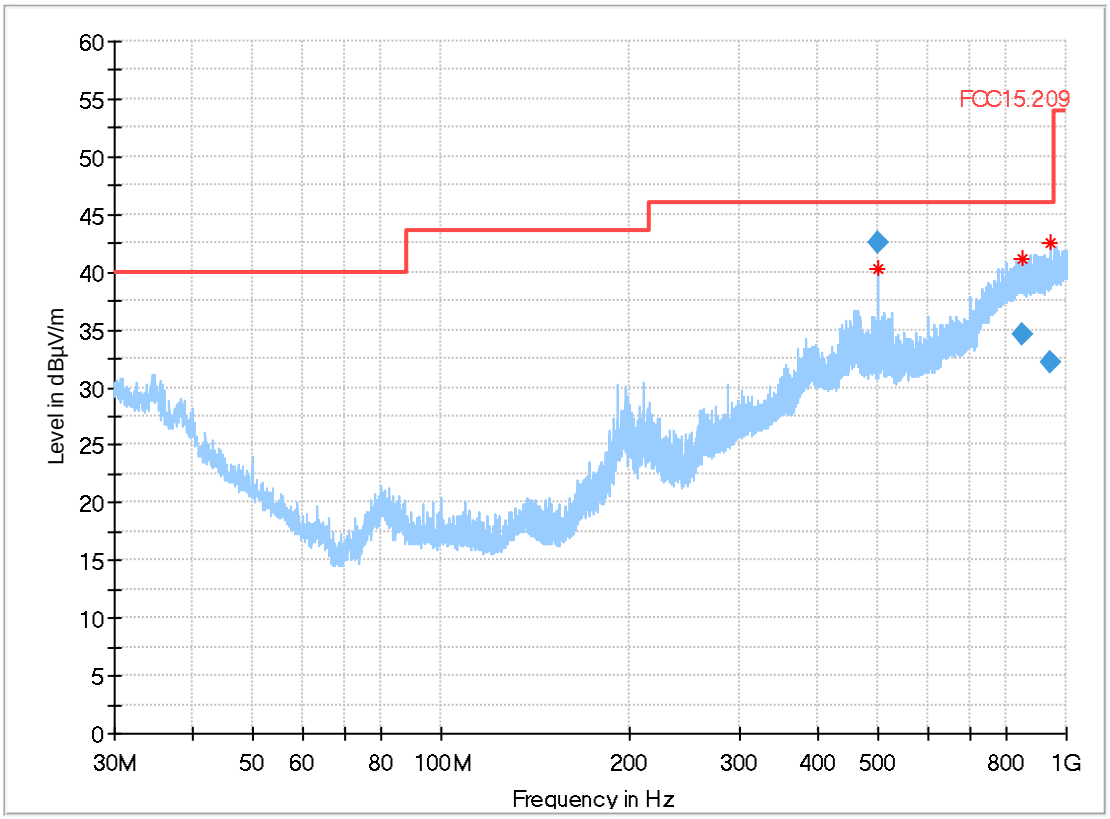
3.19a_ac-mode_MCS7_ch134

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

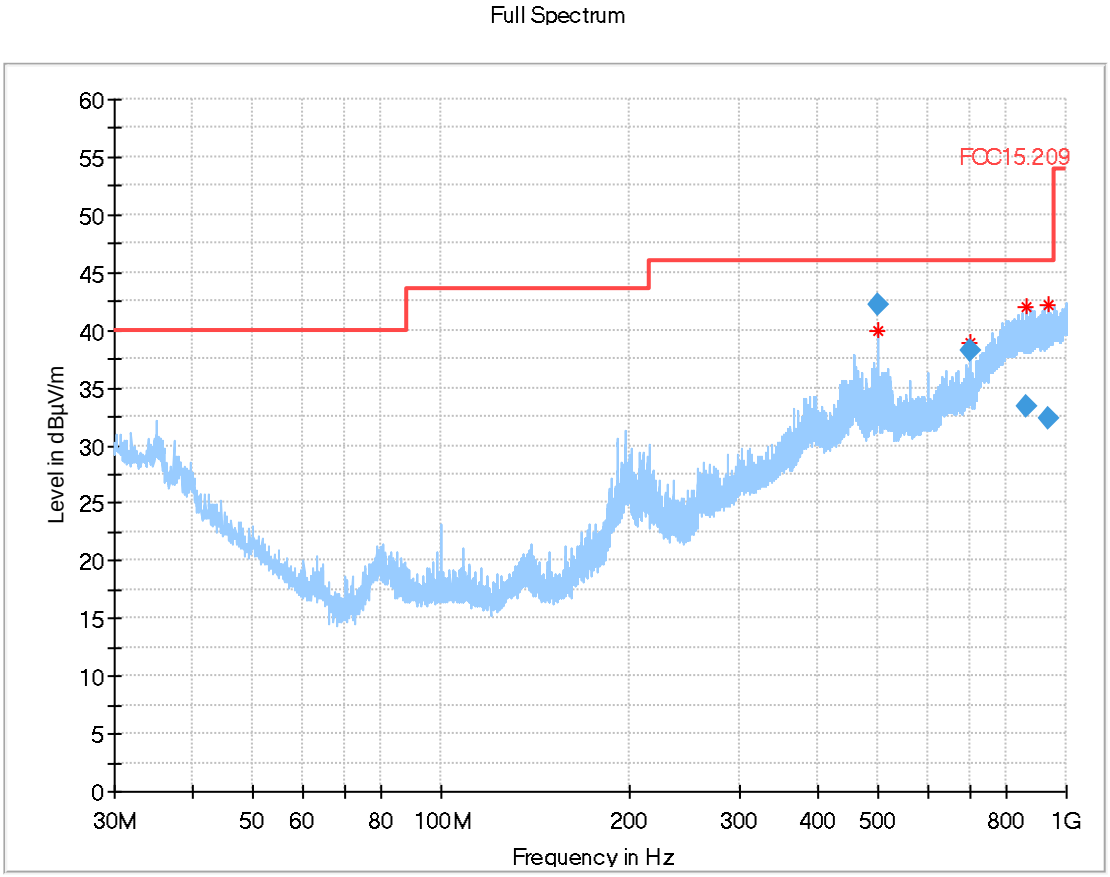
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
499.936000	42.49	46.00	3.51	1000.0	120.000	159.0	H	-4.0	0.0	19.5
851.104000	34.51	46.00	11.49	1000.0	120.000	112.0	H	183.0	0.0	25.7
942.256000	32.17	46.00	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



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	42.25	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

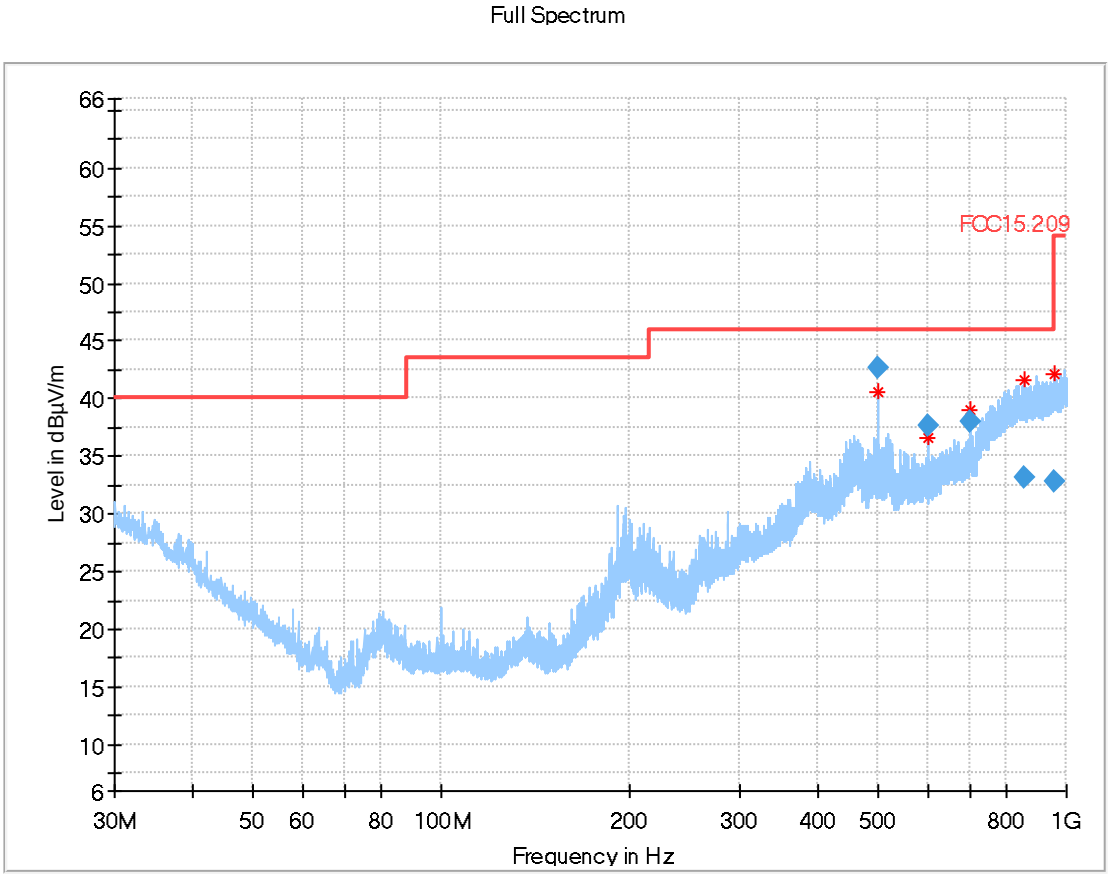
ac-mode

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



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	42.62	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

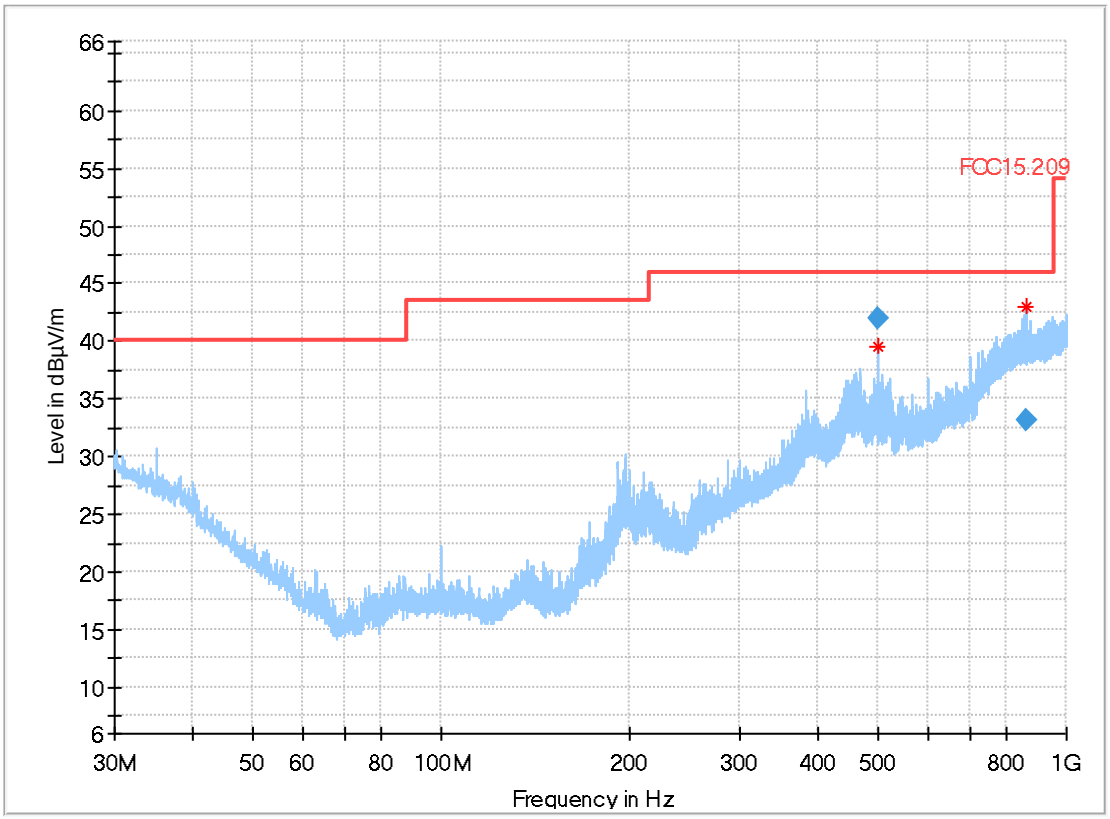
3.22a_ac-mode_MCS0_ch58

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 (dBµV/m)	Limit (dBµV/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

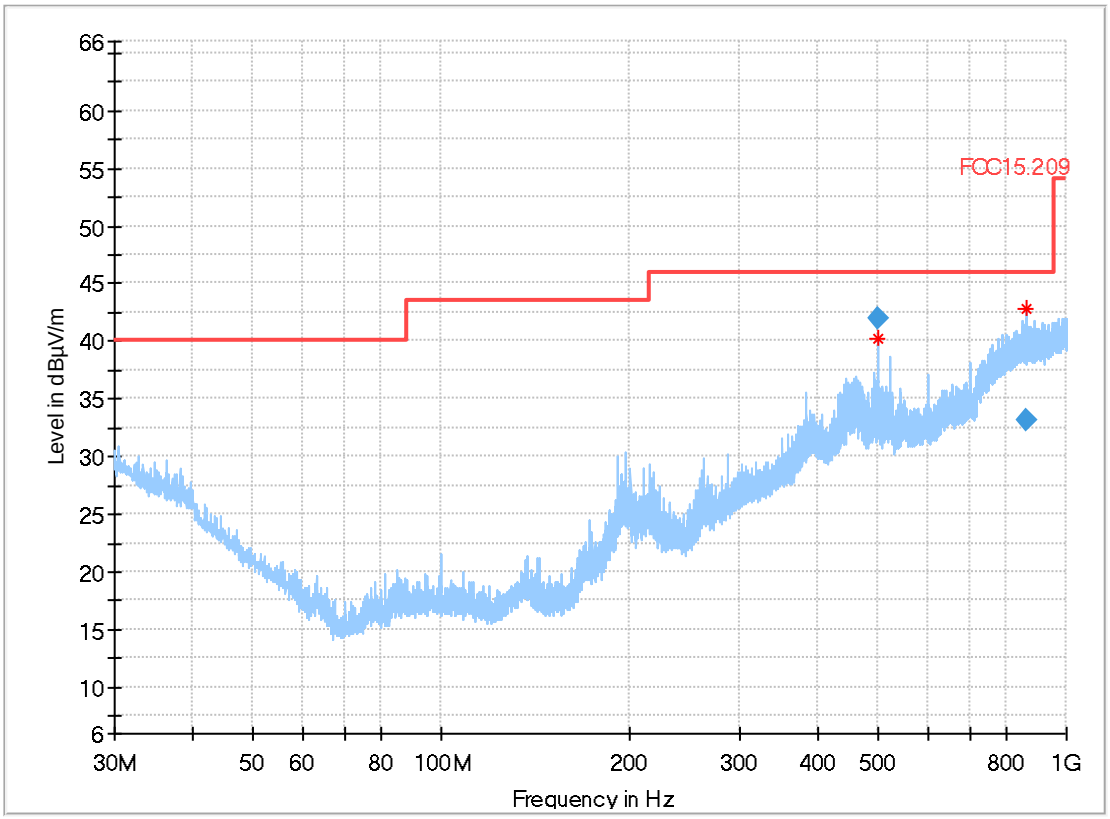
3.23a_ac-mode_MCS0_ch106

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

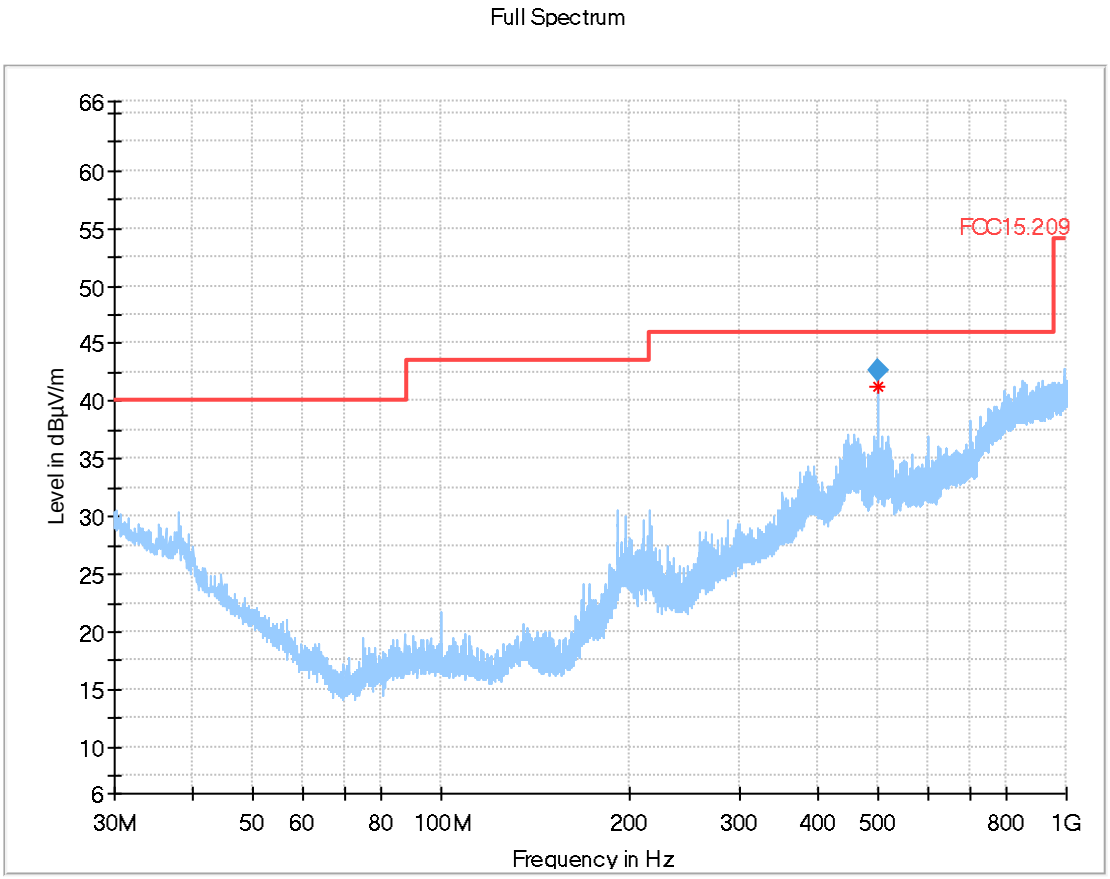
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
499.936000	42.03	46.00	3.97	1000.0	120.000	144.0	H	0.0	0.0	19.5
859.740000	33.09	46.00	12.91	1000.0	120.000	316.0	H	317.0	0.0	25.7

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



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	42.74	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

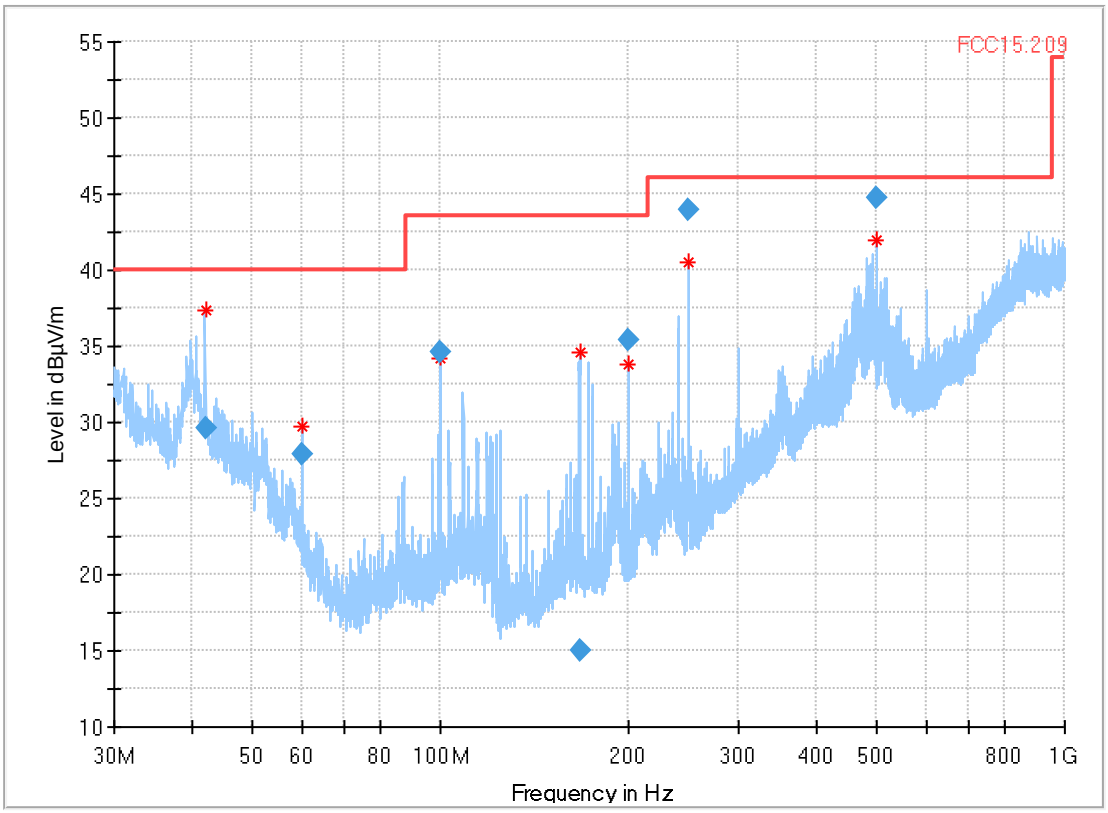
Common Information

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)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (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

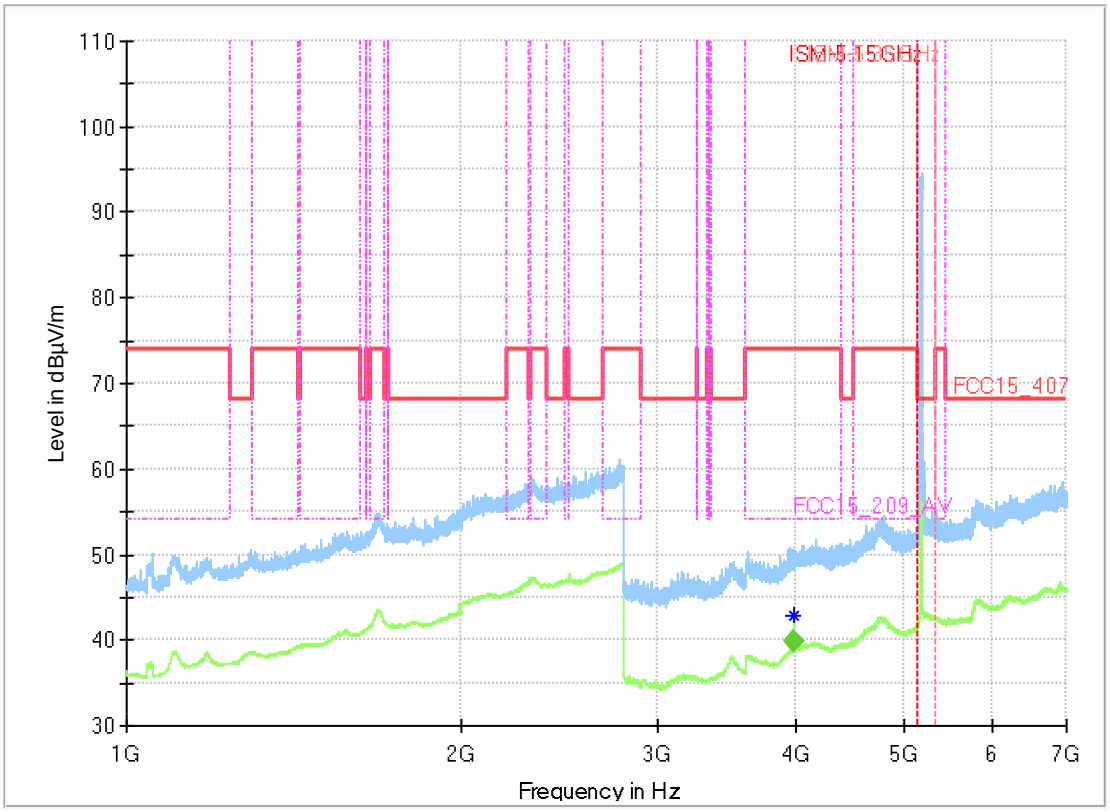
Common Information

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

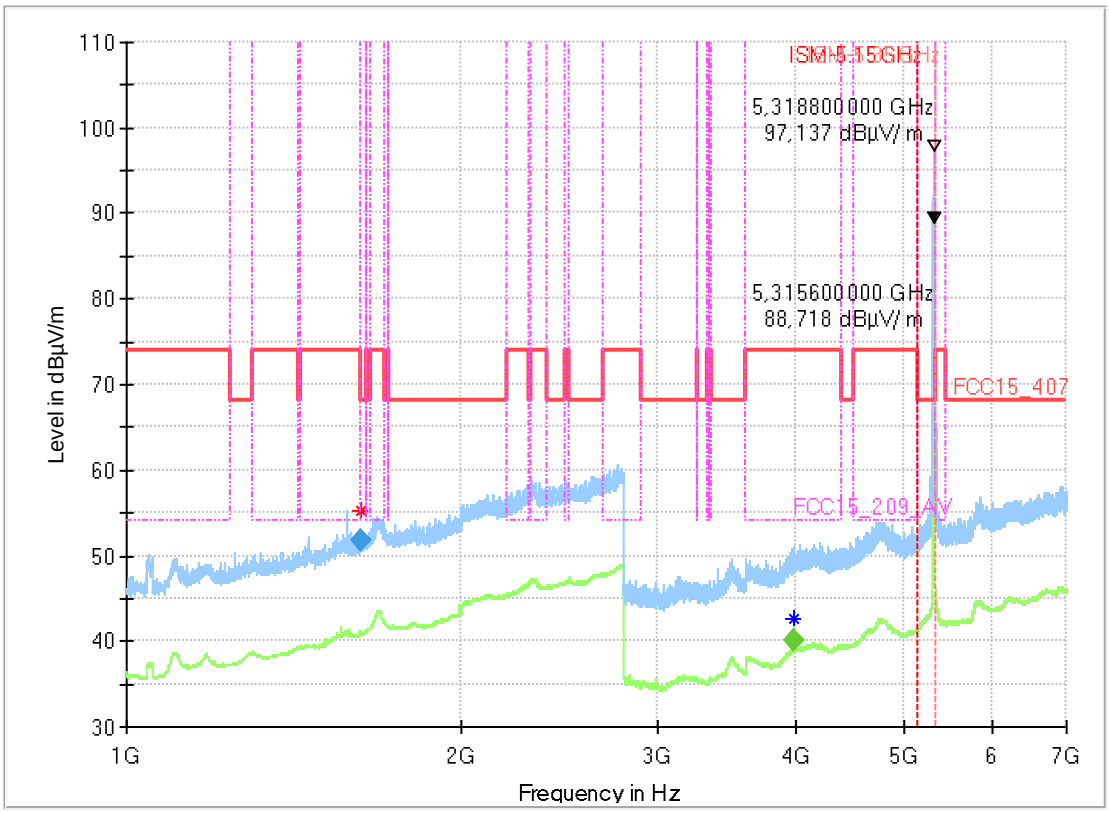
Common Information

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 (dBµV/m)	Limit (dBµV/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

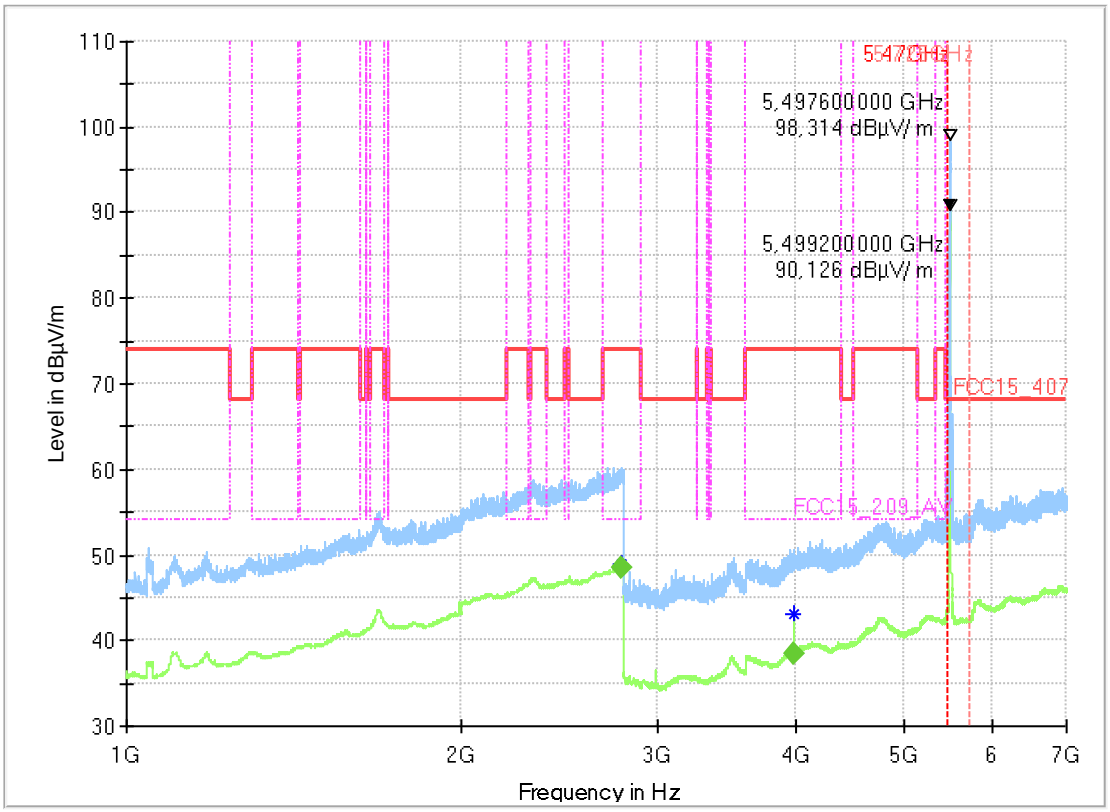
Common Information

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

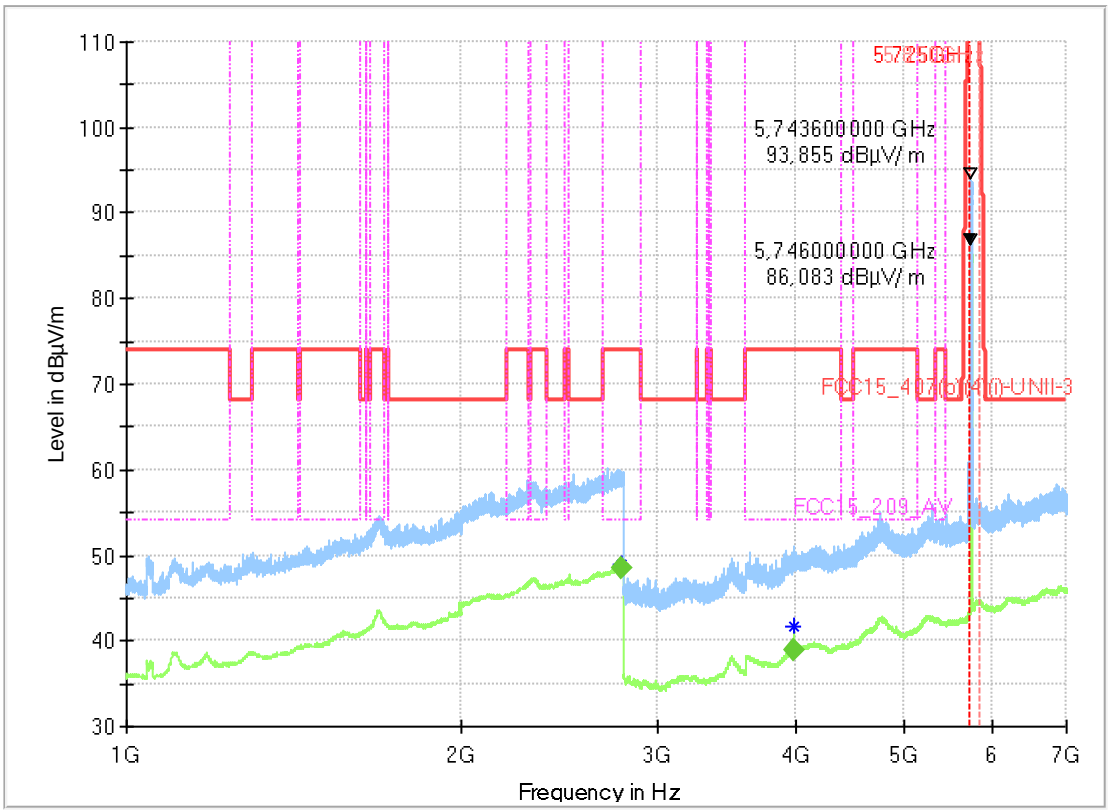
Common Information

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 (dBµV/m)	Limit (dBµV/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

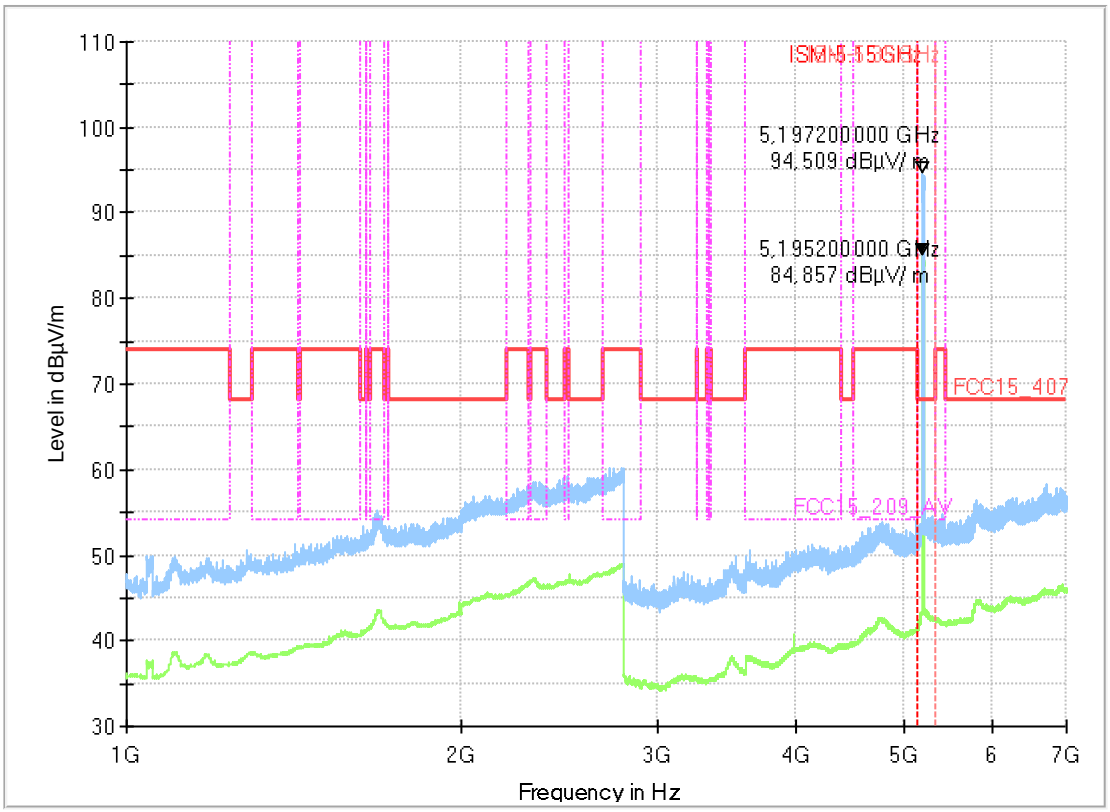
Common Information

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

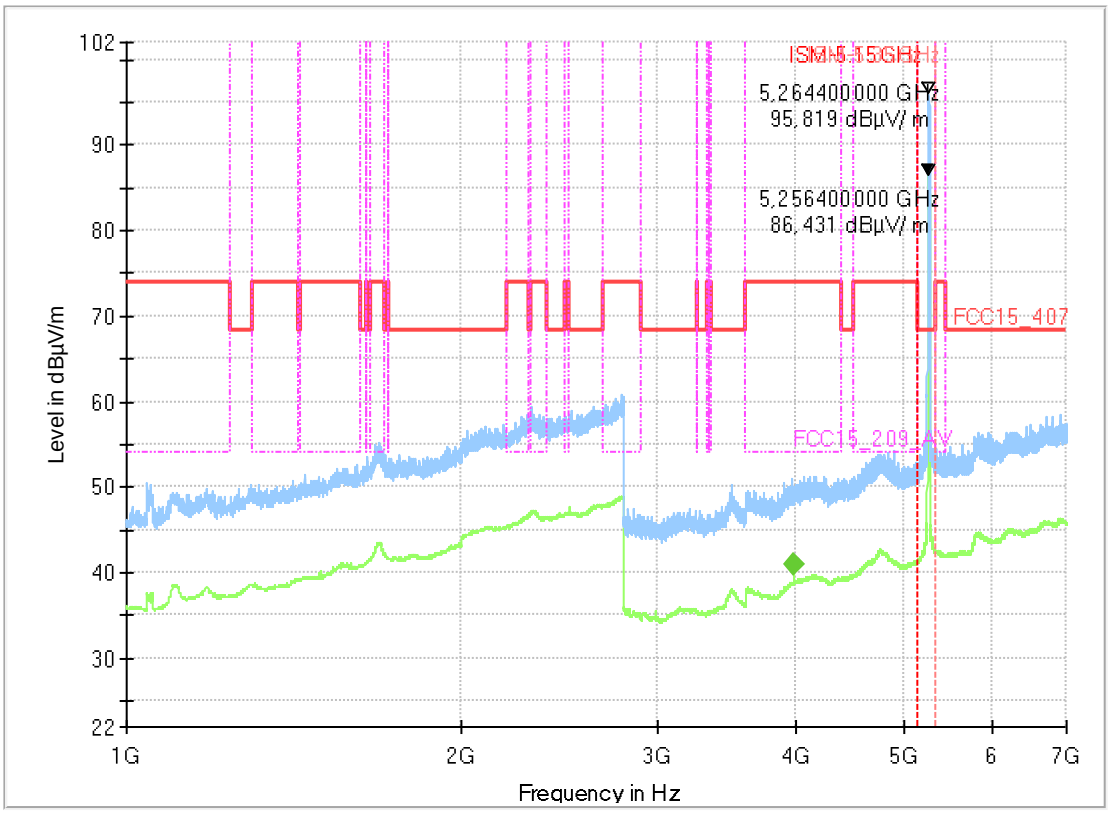
Common Information

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 (dBµV/m)	Limit (dBµV/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

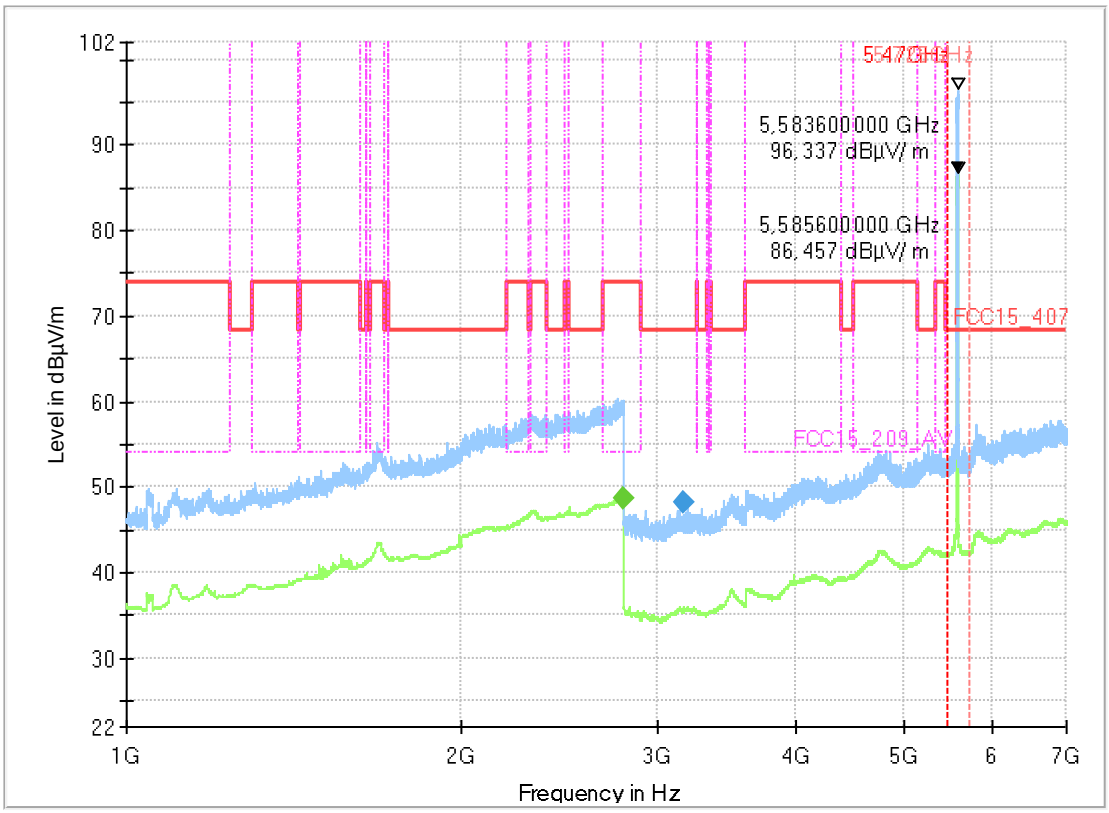
Common Information

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

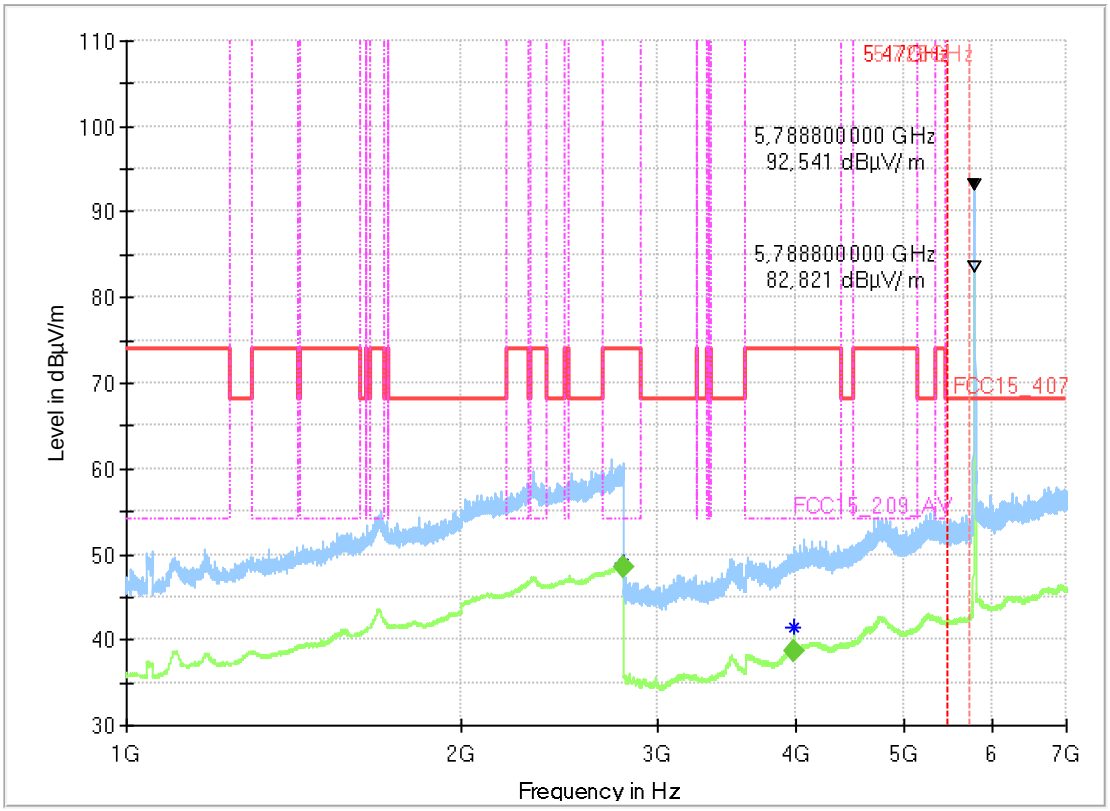
Common Information

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

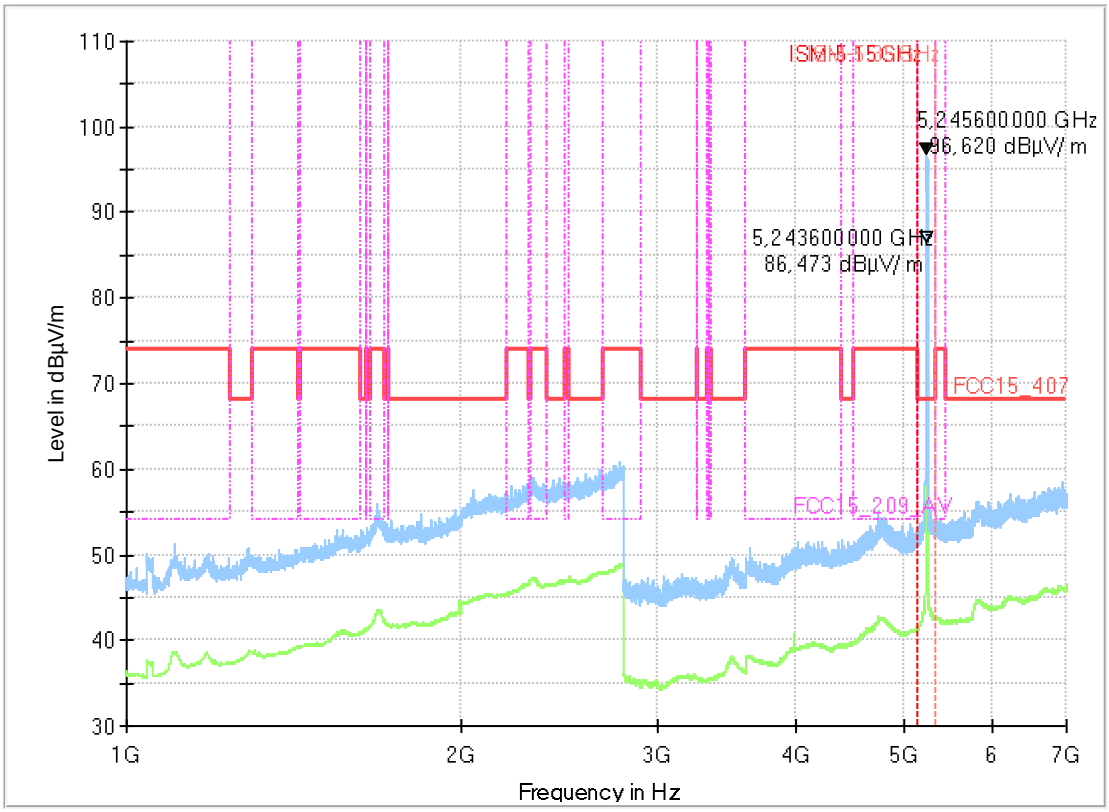
Common Information

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

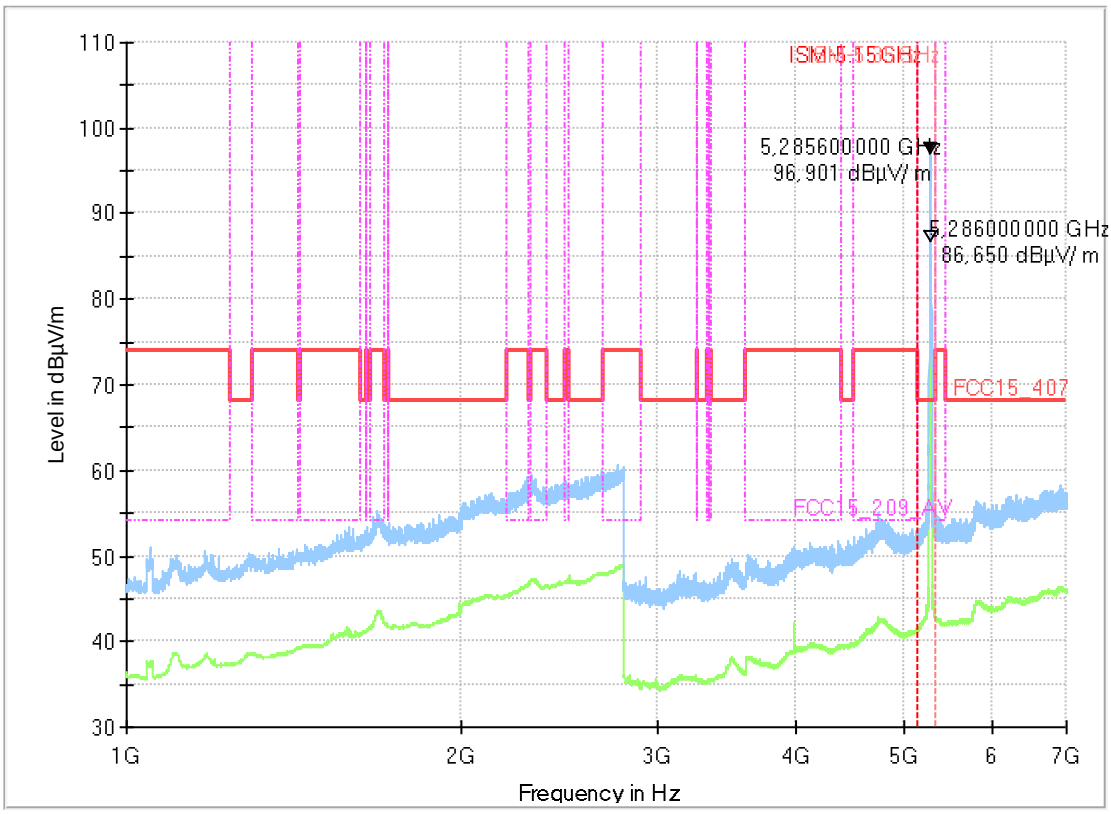
Common Information

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

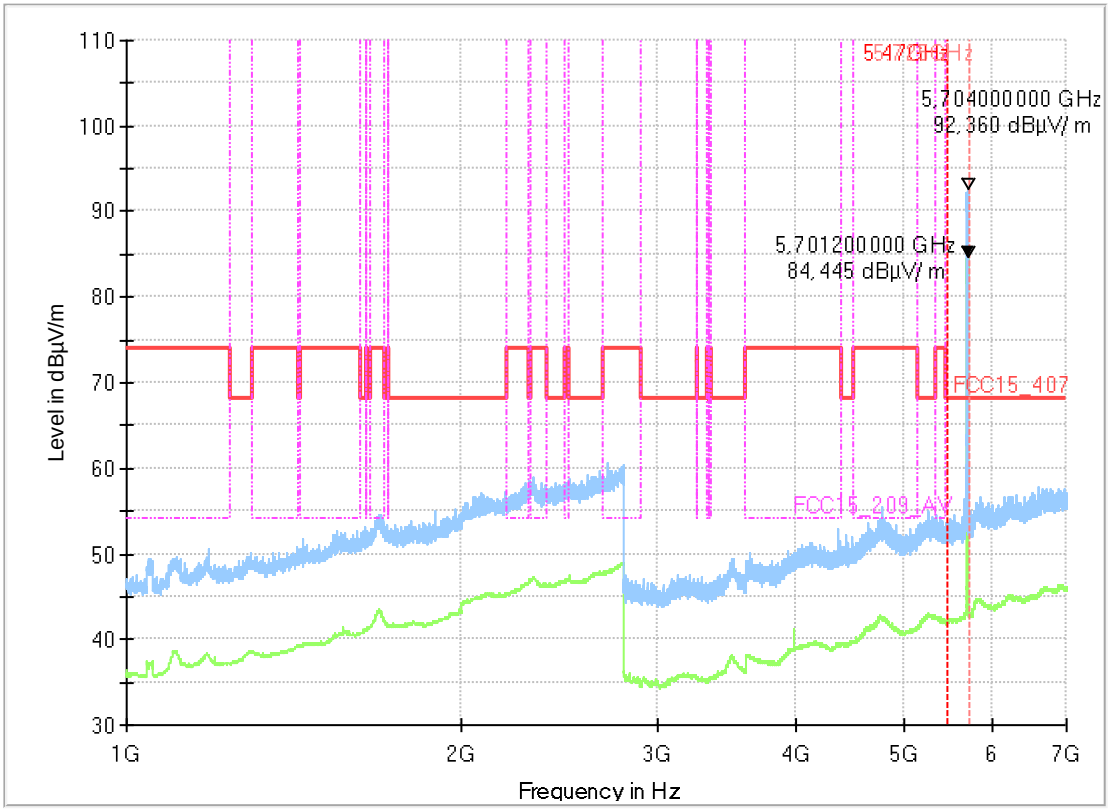
Common Information

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:	HEl
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



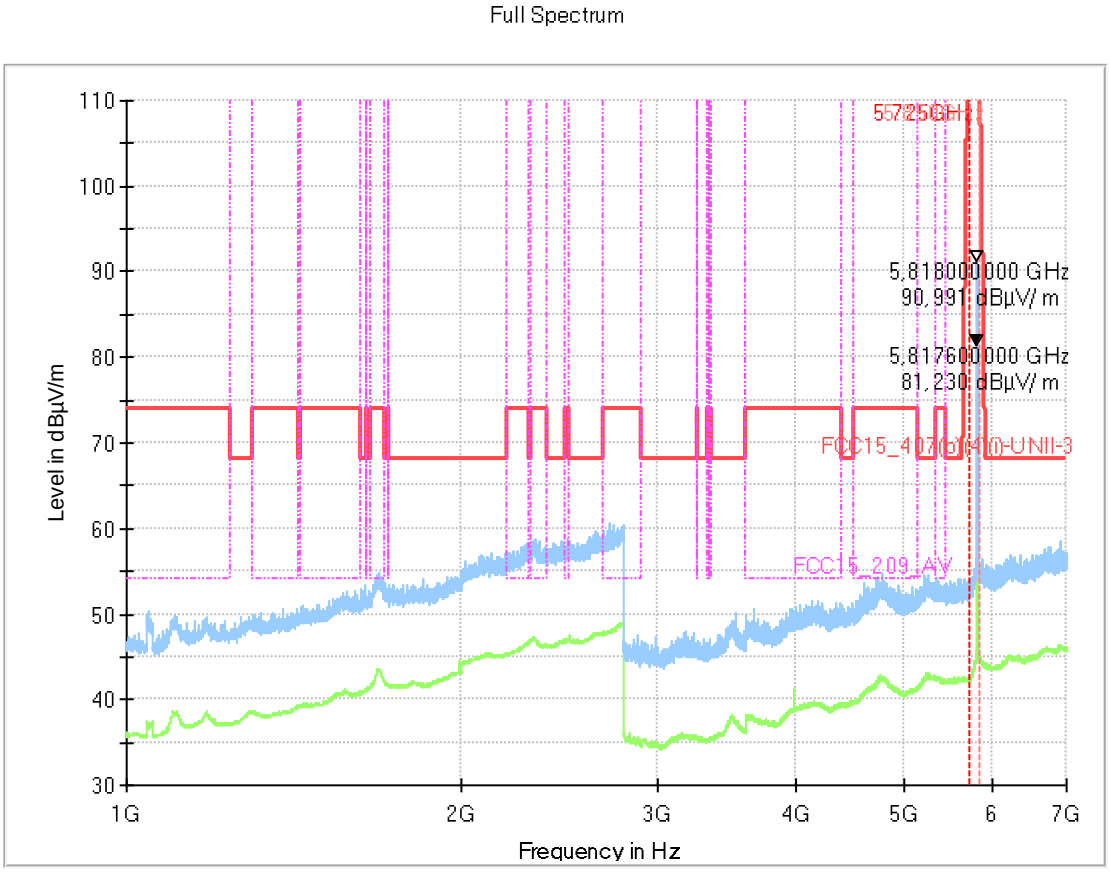
4.12a_ac-mode_MCS5_ch165

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:	HEl
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



3.3.2. 40MHz Bandwidth

n-mode

4.13a_n-mode_MCS7_ch038

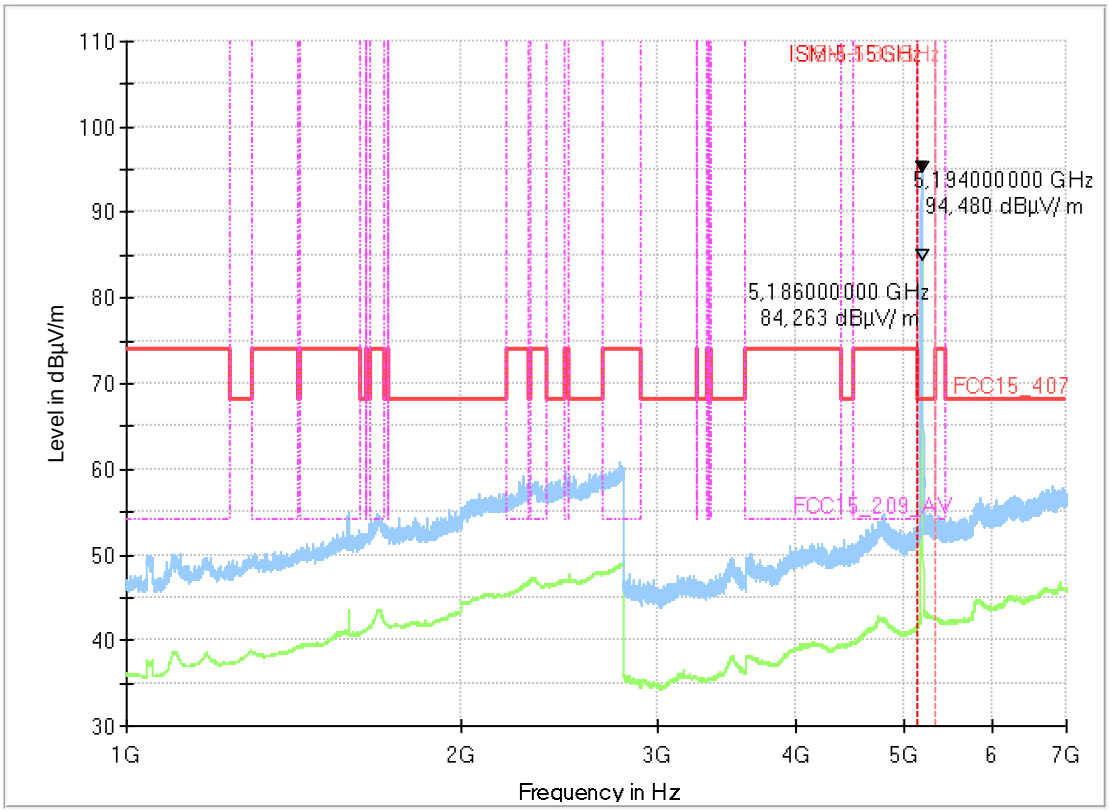
Common Information

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

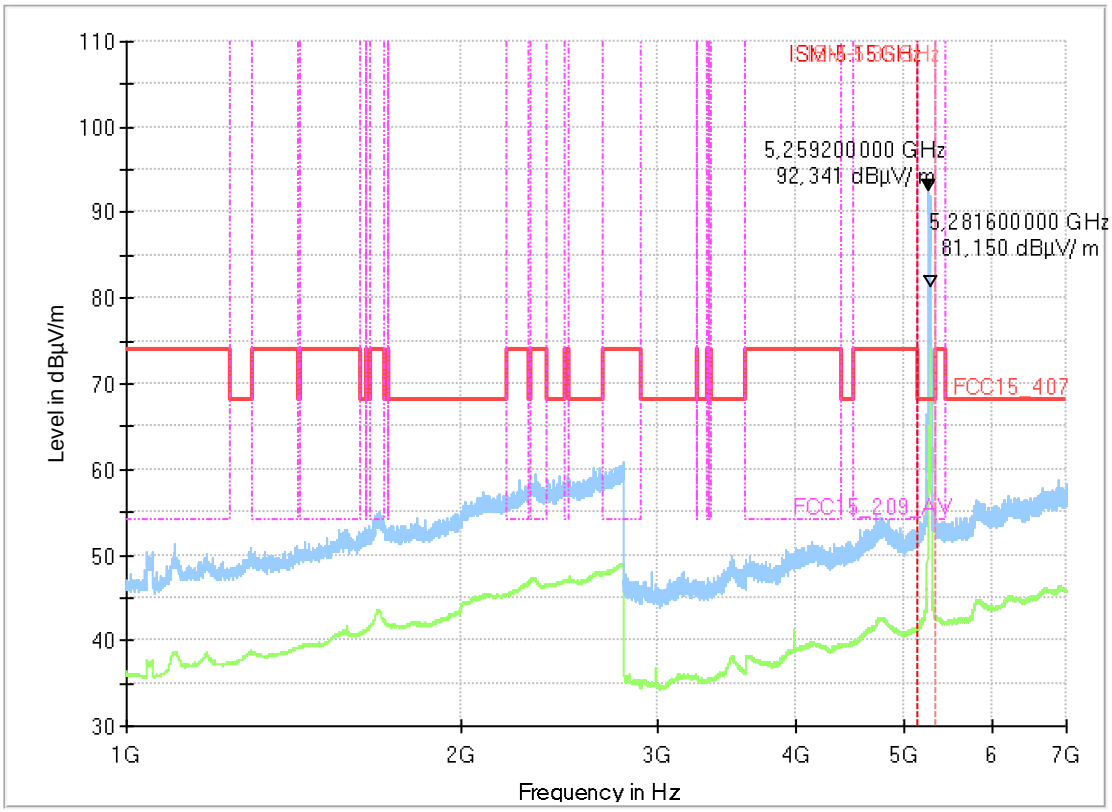
Common Information

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

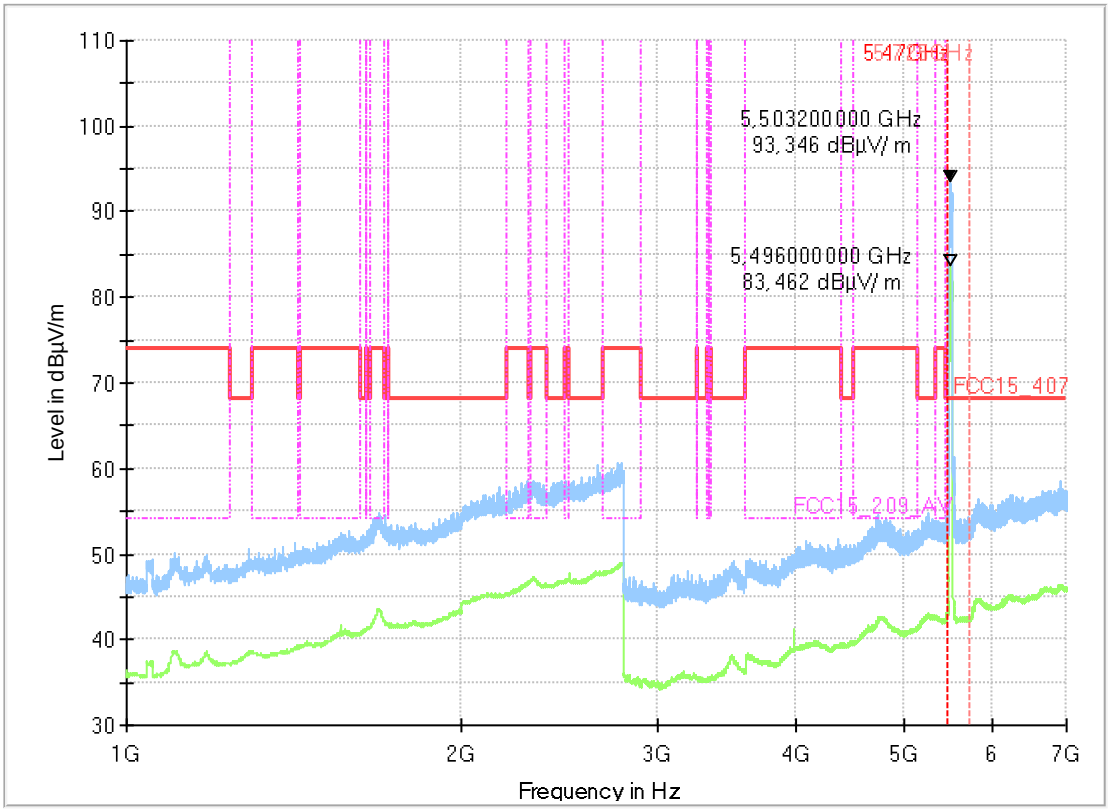
Common Information

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:	HEl
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

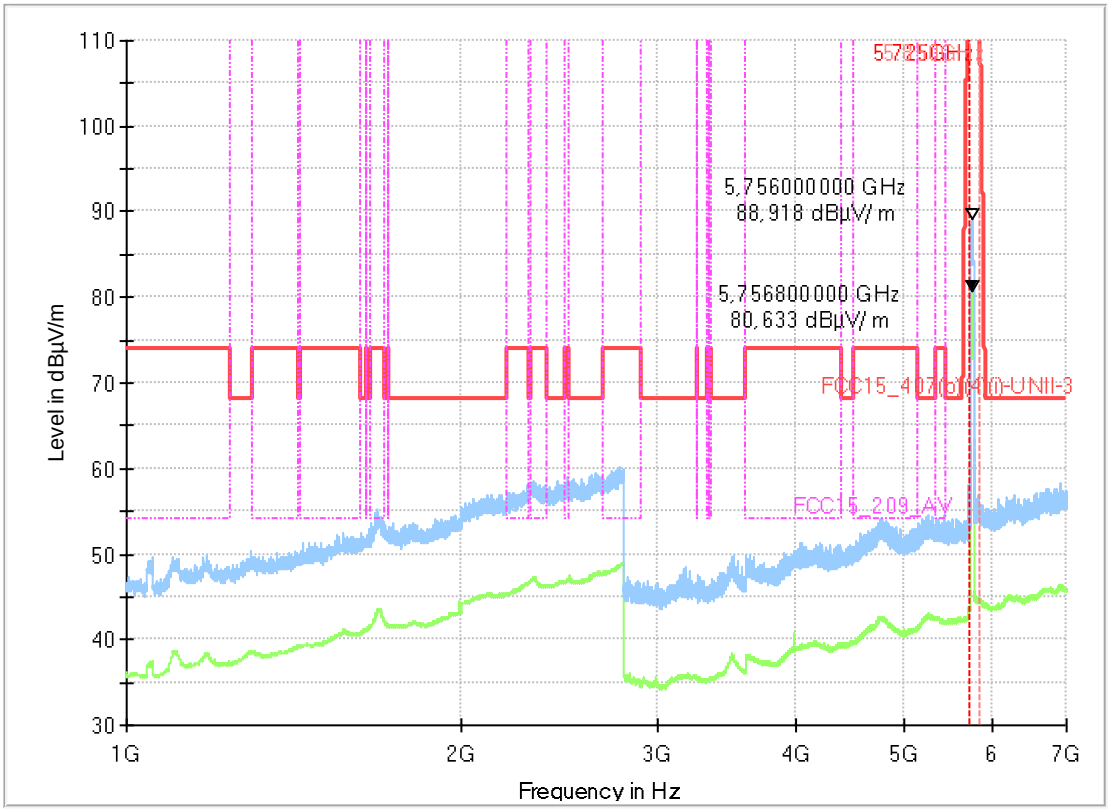
Common Information

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:	HEl
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

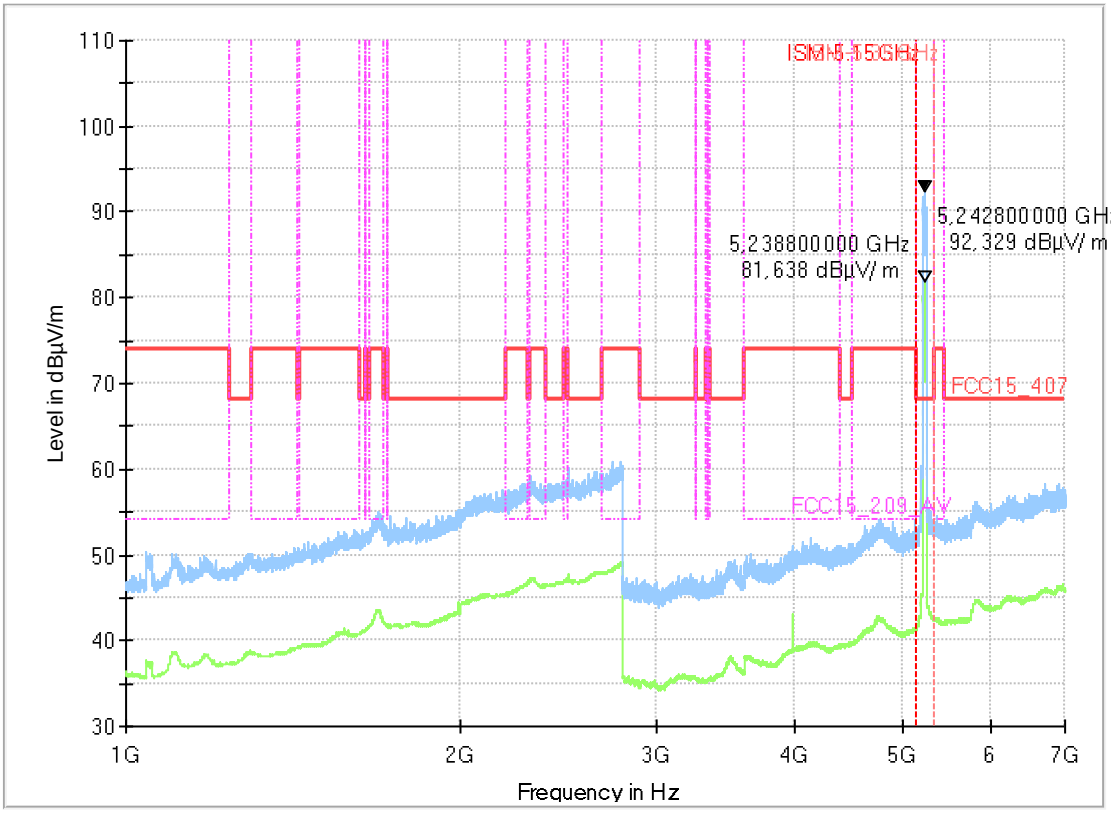
Common Information

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

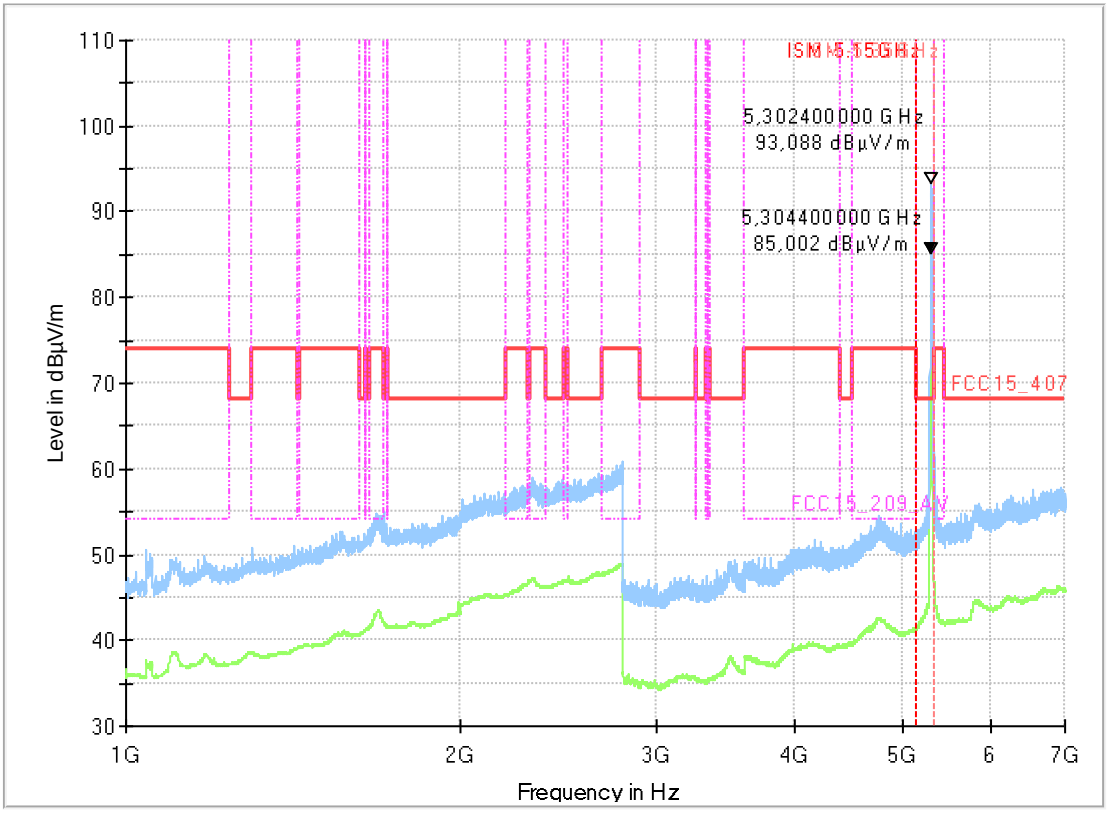
Common Information

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:	HEl
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



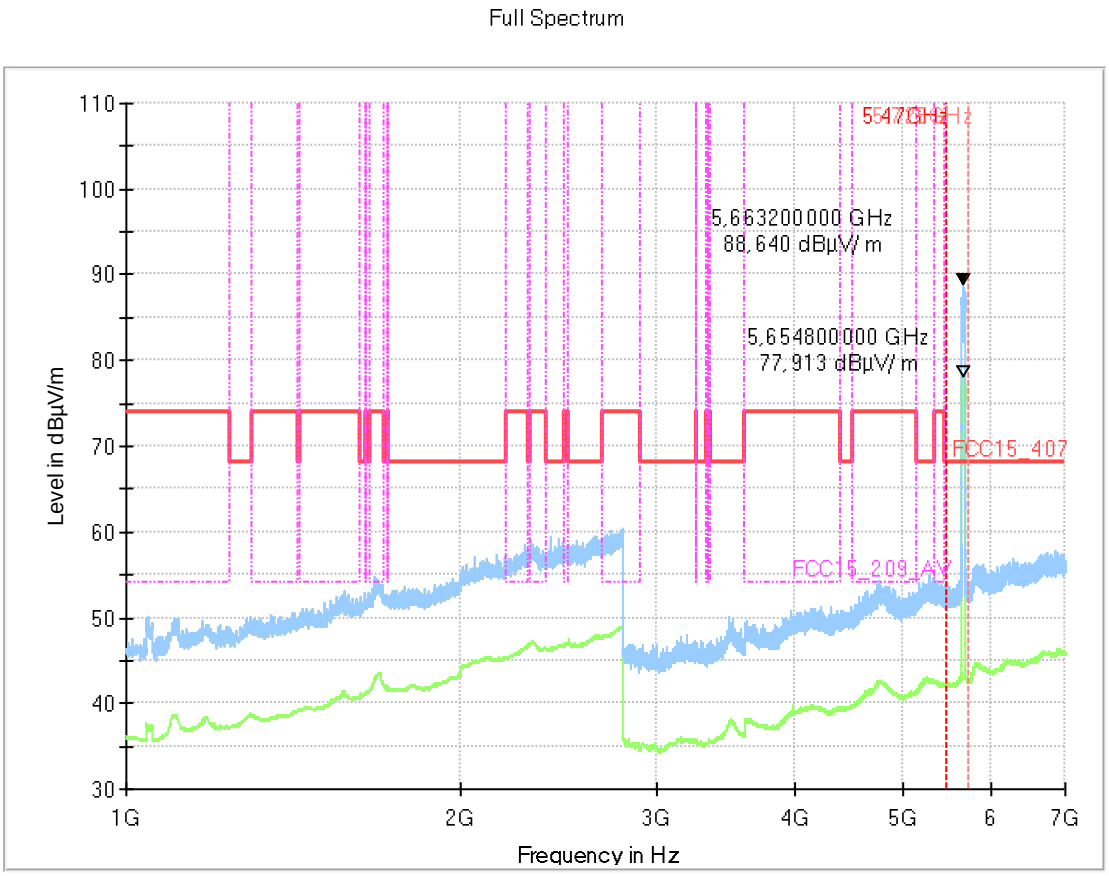
4.19a_ac-mode_MCS7_ch134

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:	HEl
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



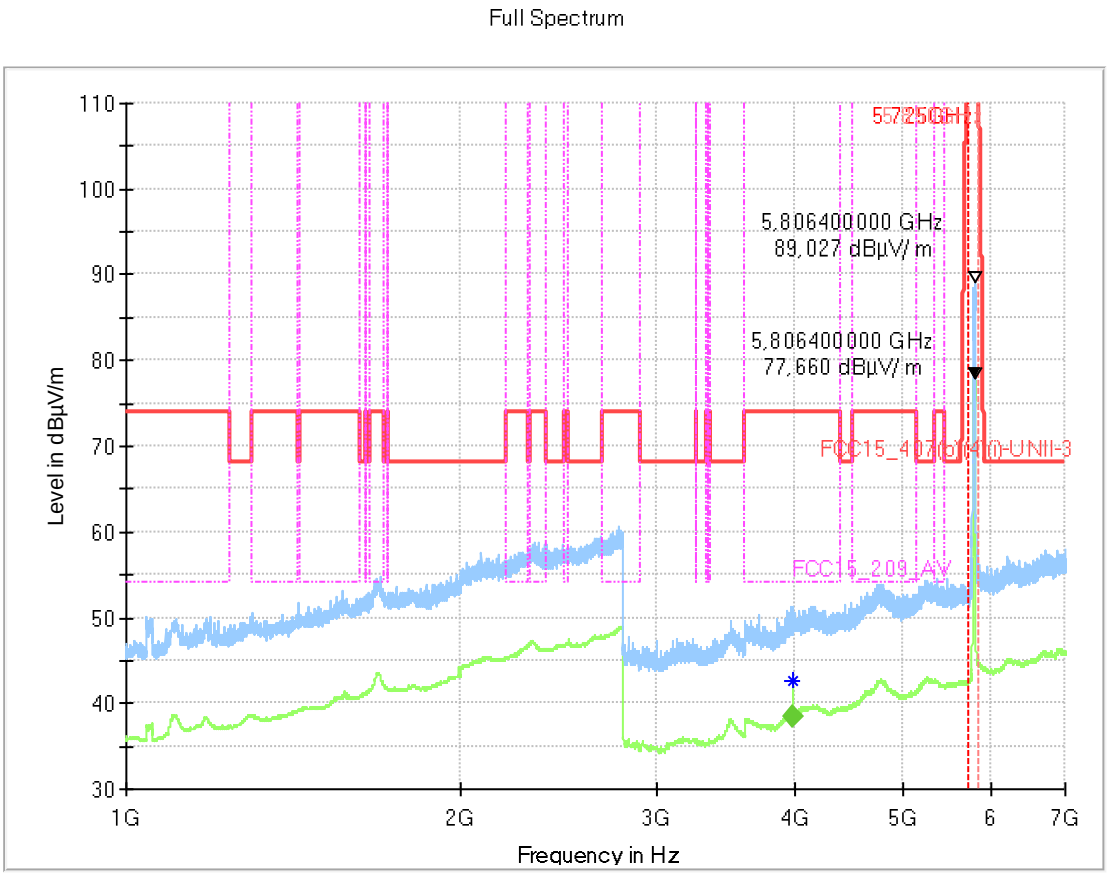
4.20a_ac-mode_MCS7_ch159

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:	HEl
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



3.3.3. 80MHz Bandwidth

ac-mode
4.21a_ac-mode_MCS0_ch042

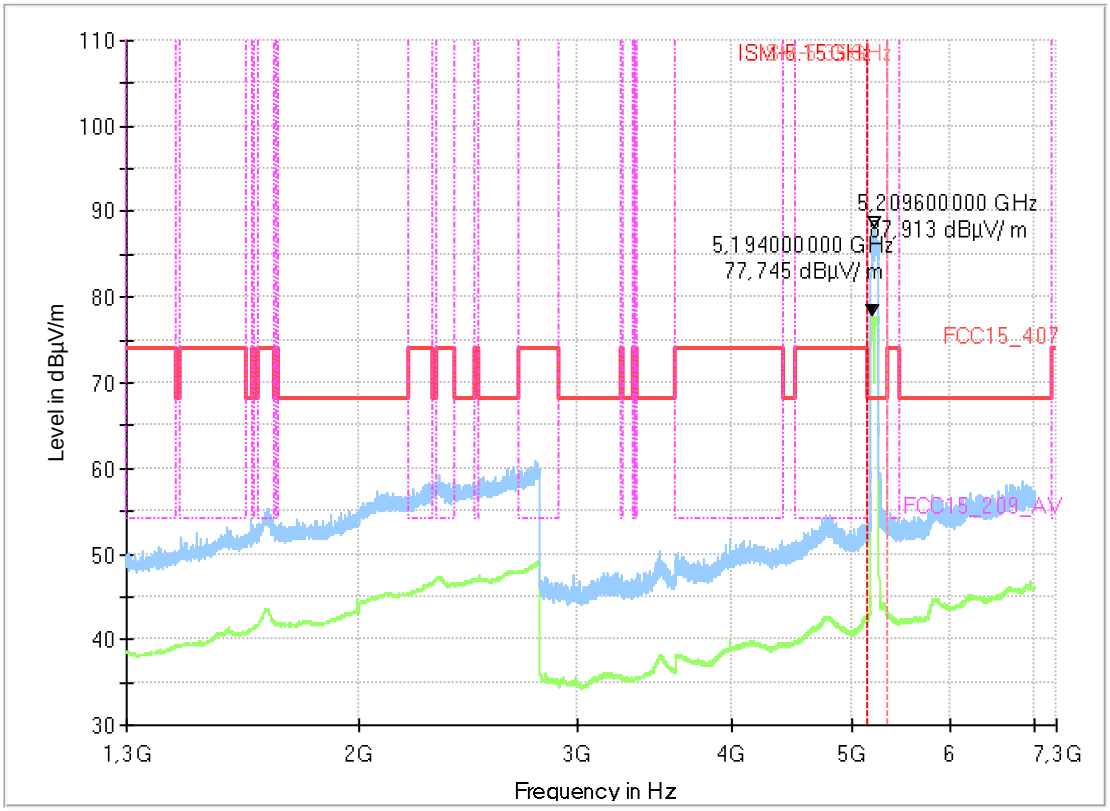
Common Information

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

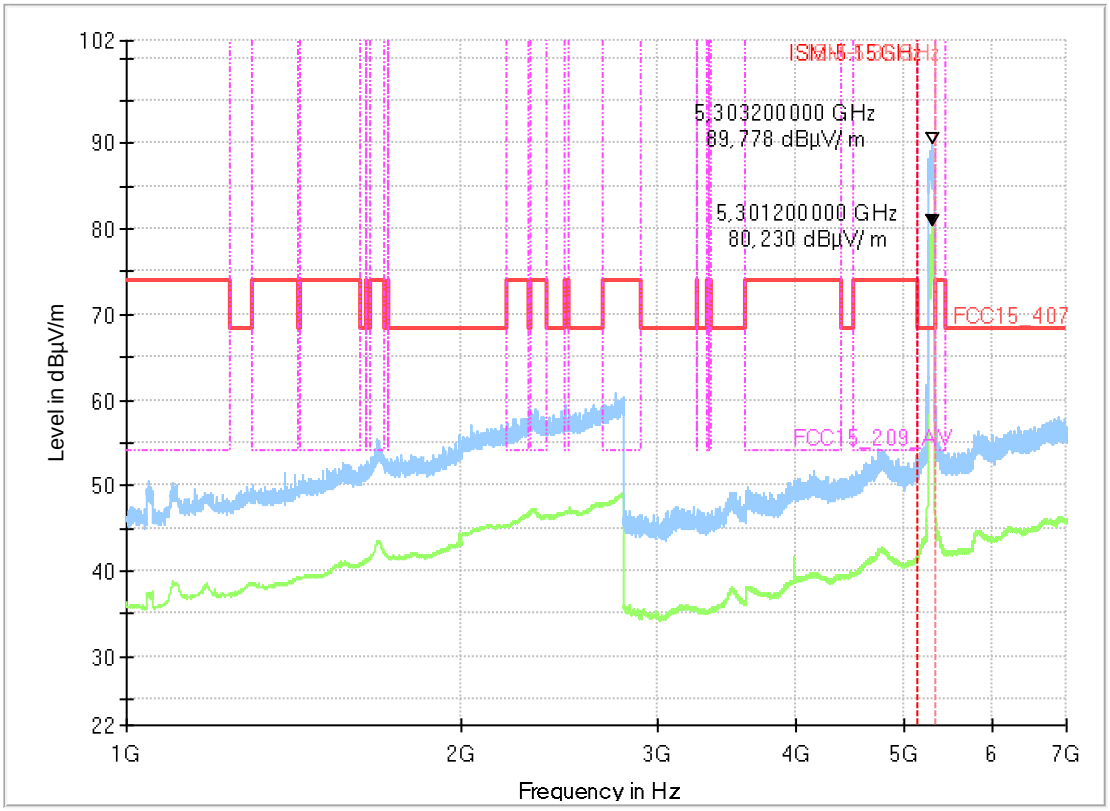
Common Information

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:	HEl
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

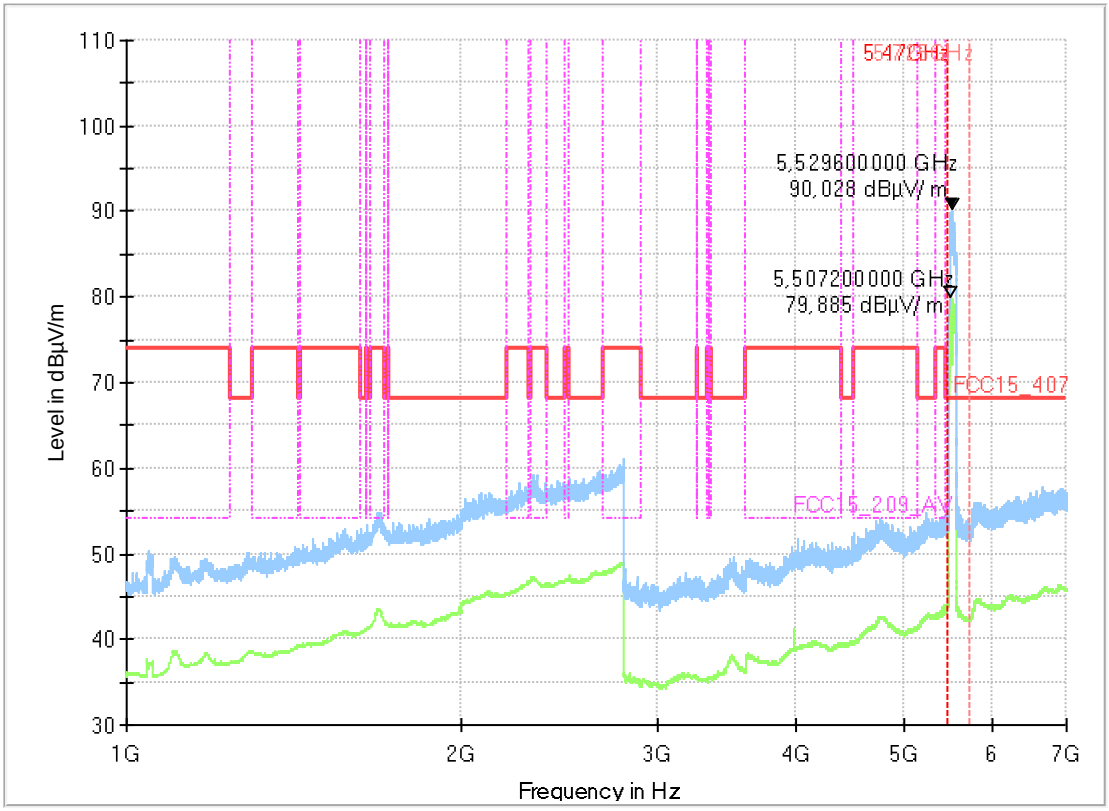
Common Information

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:	HEl
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

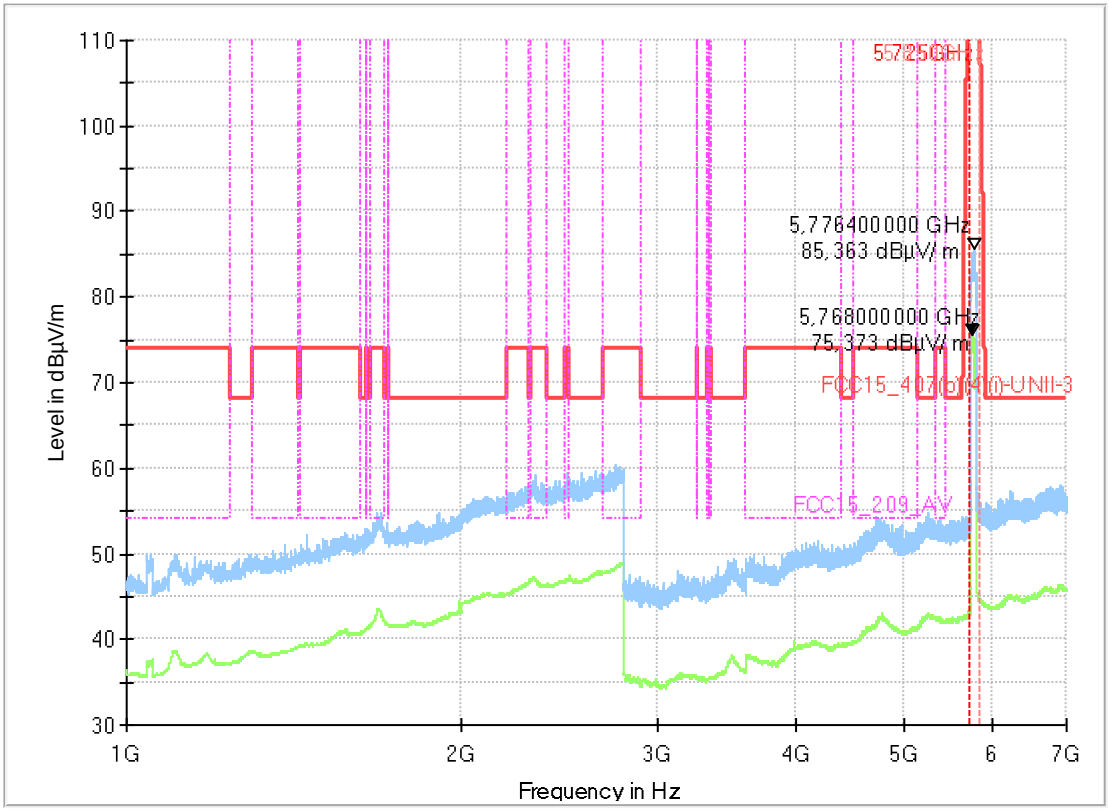
Common Information

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:	HEl
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

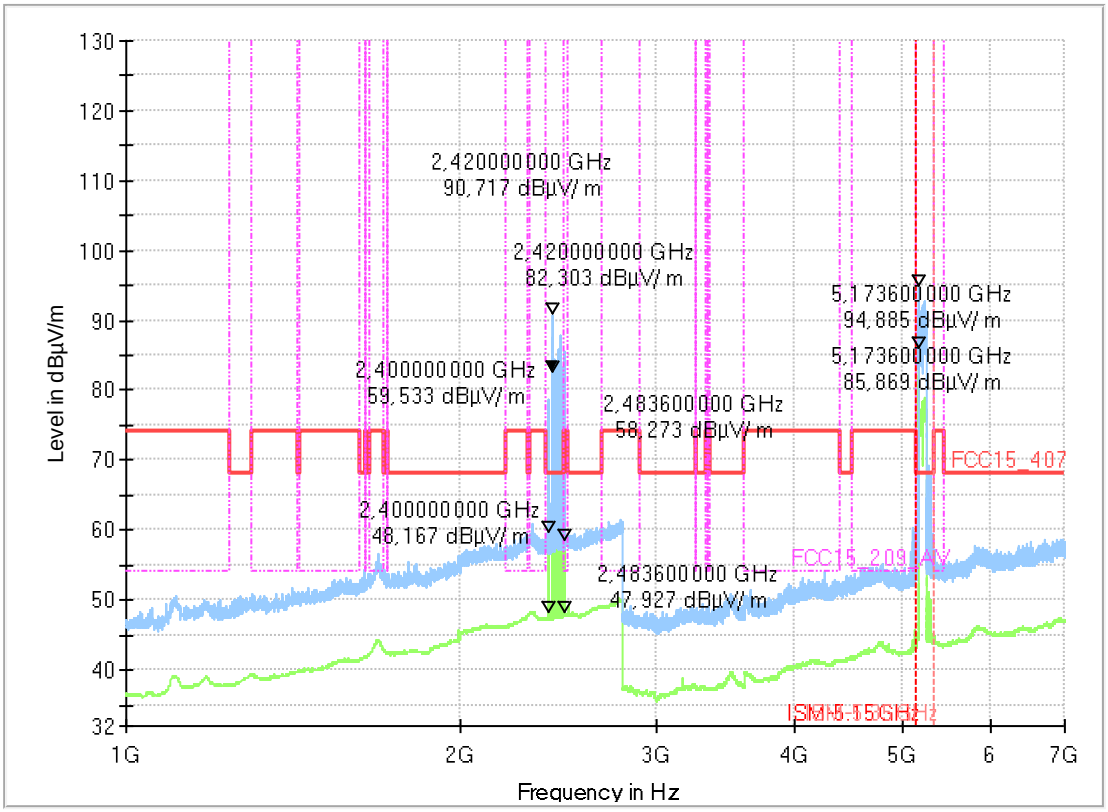
Common Information

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/highEnvironmental 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

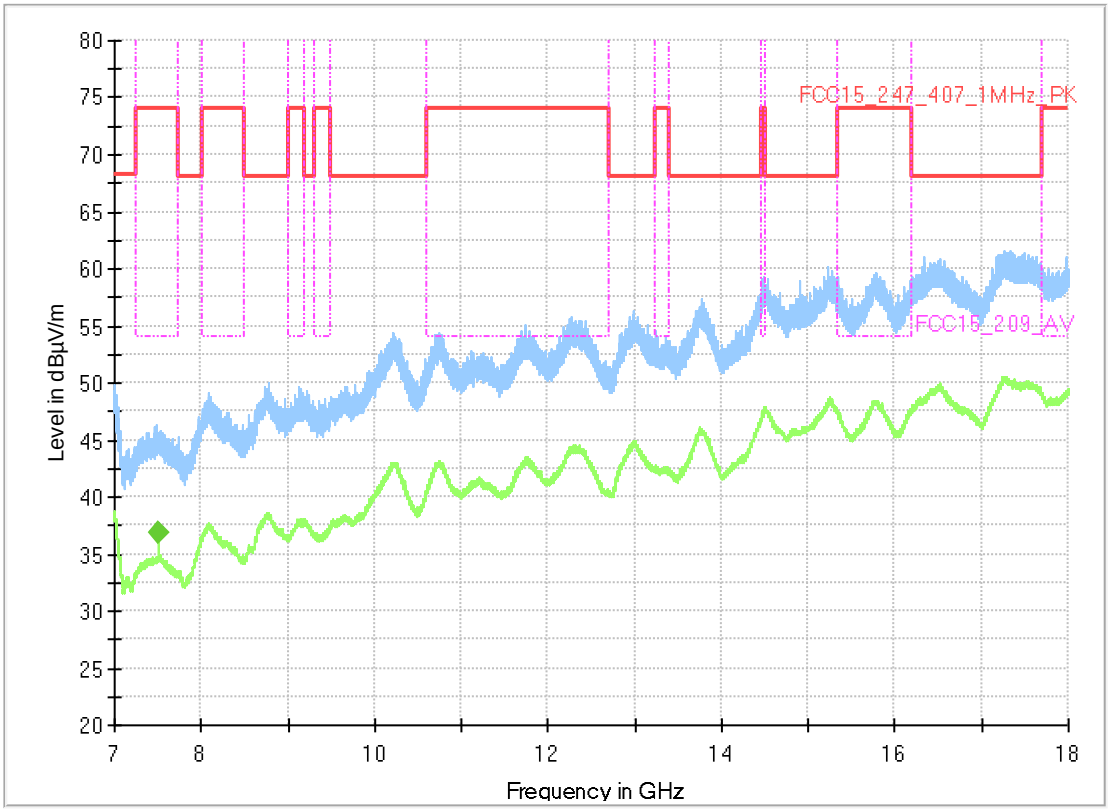
Common Information

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:	HEl
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

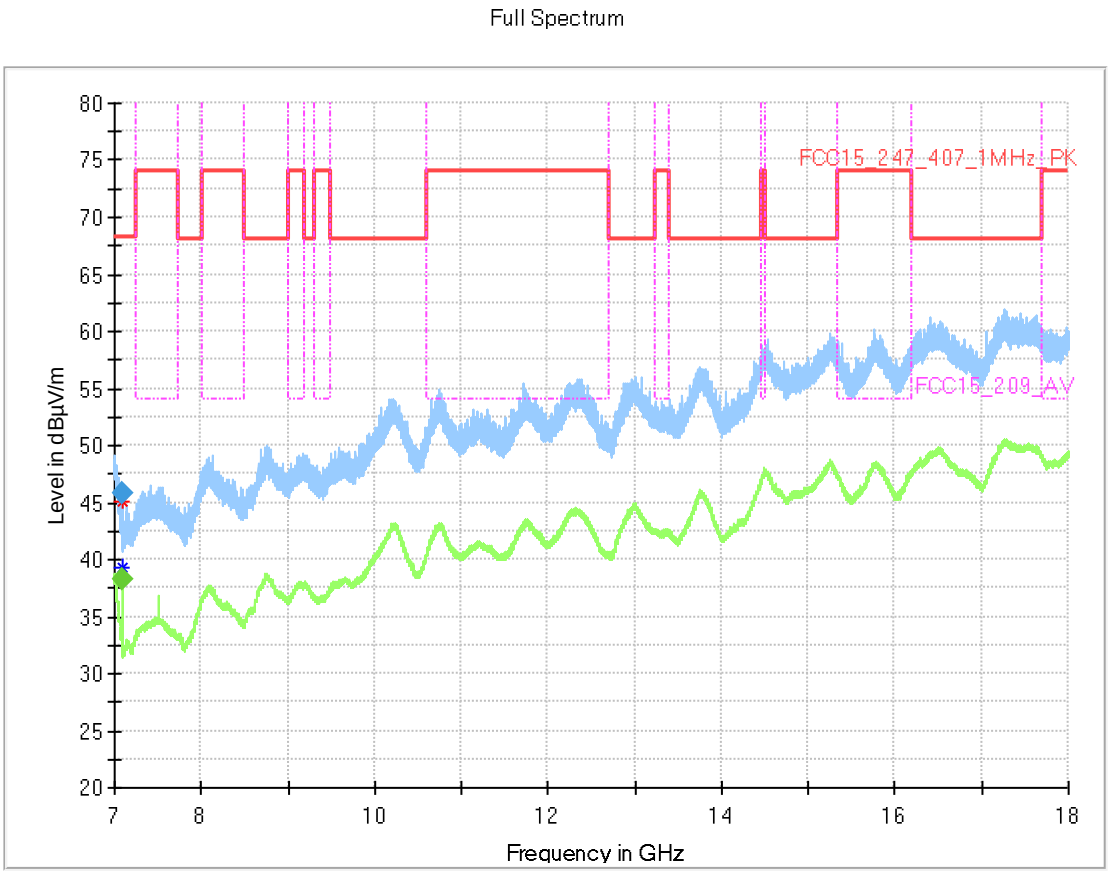
4.02b_a-mode_18MBps_ch064

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:	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



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

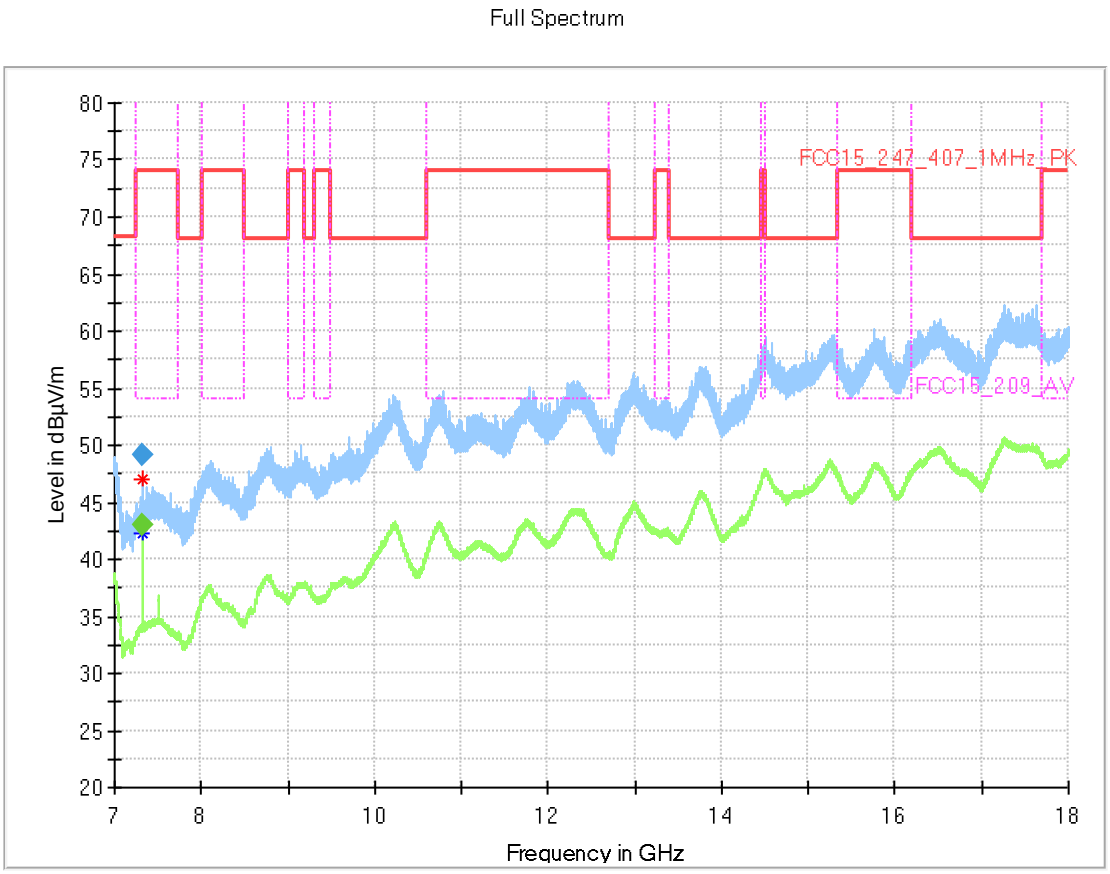
4.03b_a-mode_18MBps_ch100

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



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/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

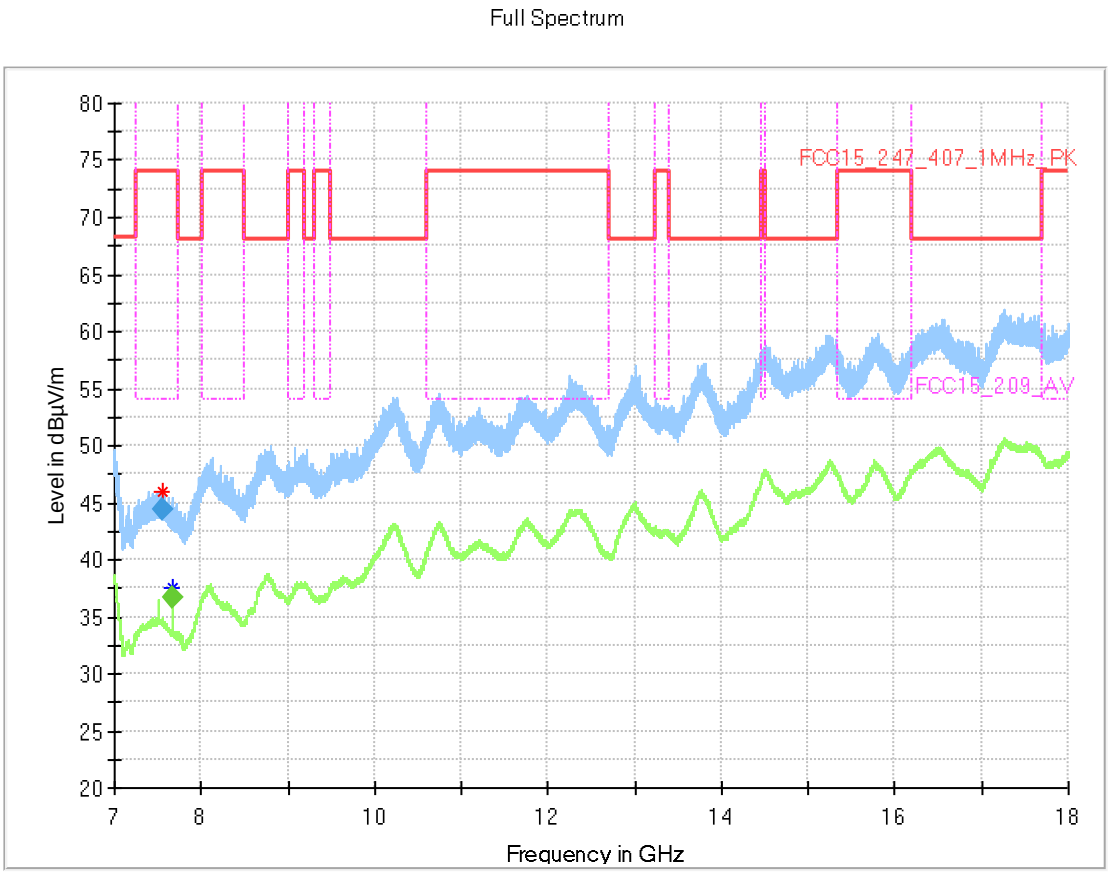
4.04b_a-mode_18MBps_ch149

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



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

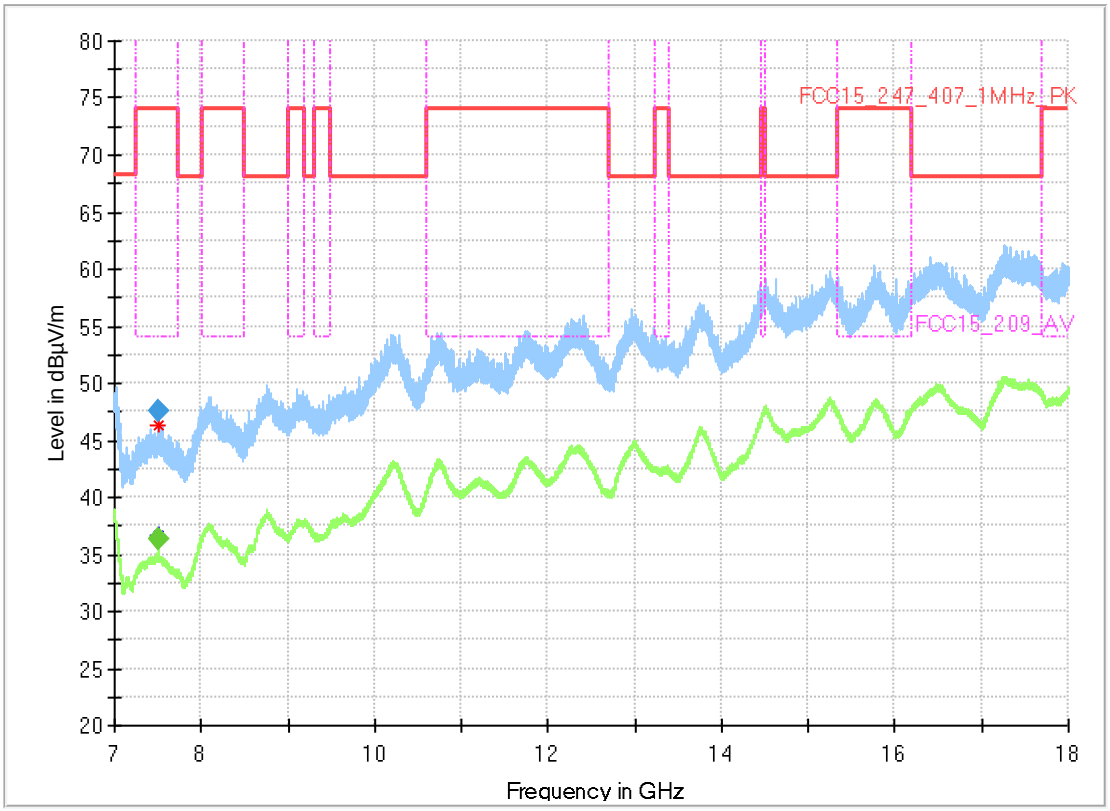
4.05b_n-mode_MCS5_ch040

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



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

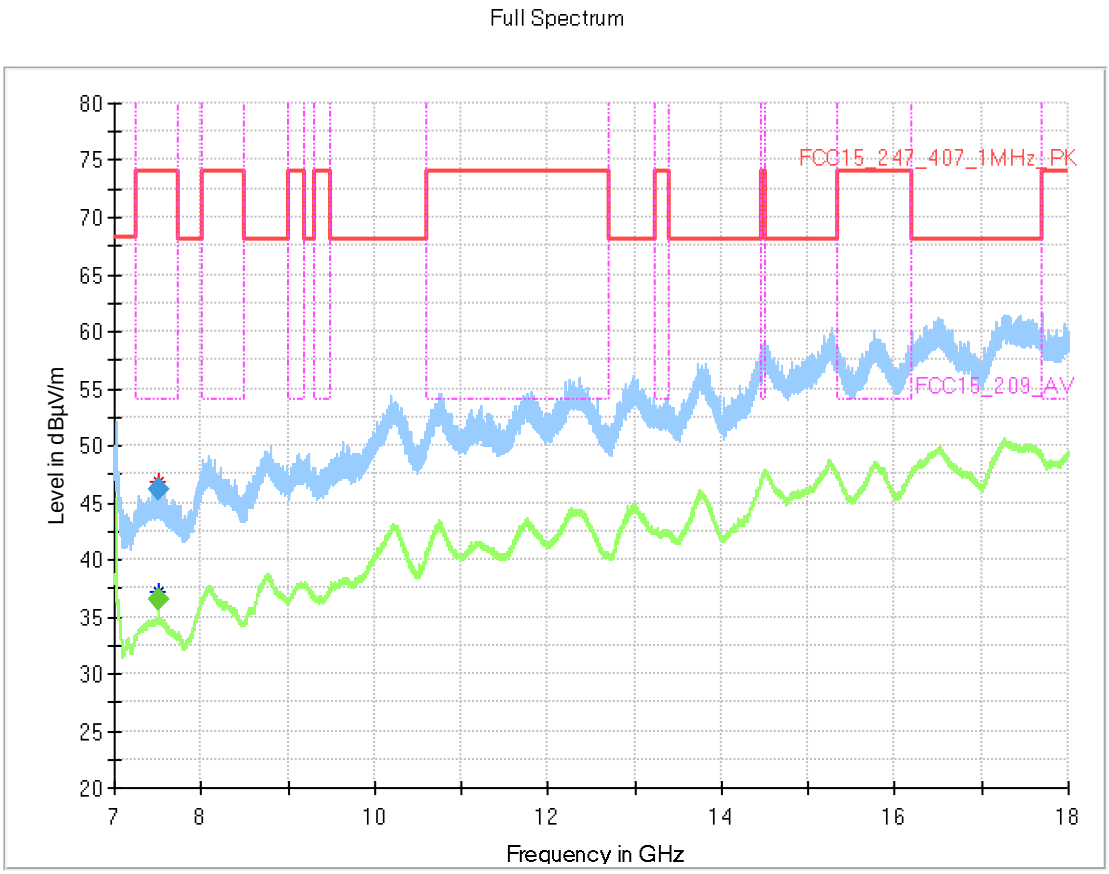
4.06b_n-mode_MCS5_ch052

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



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

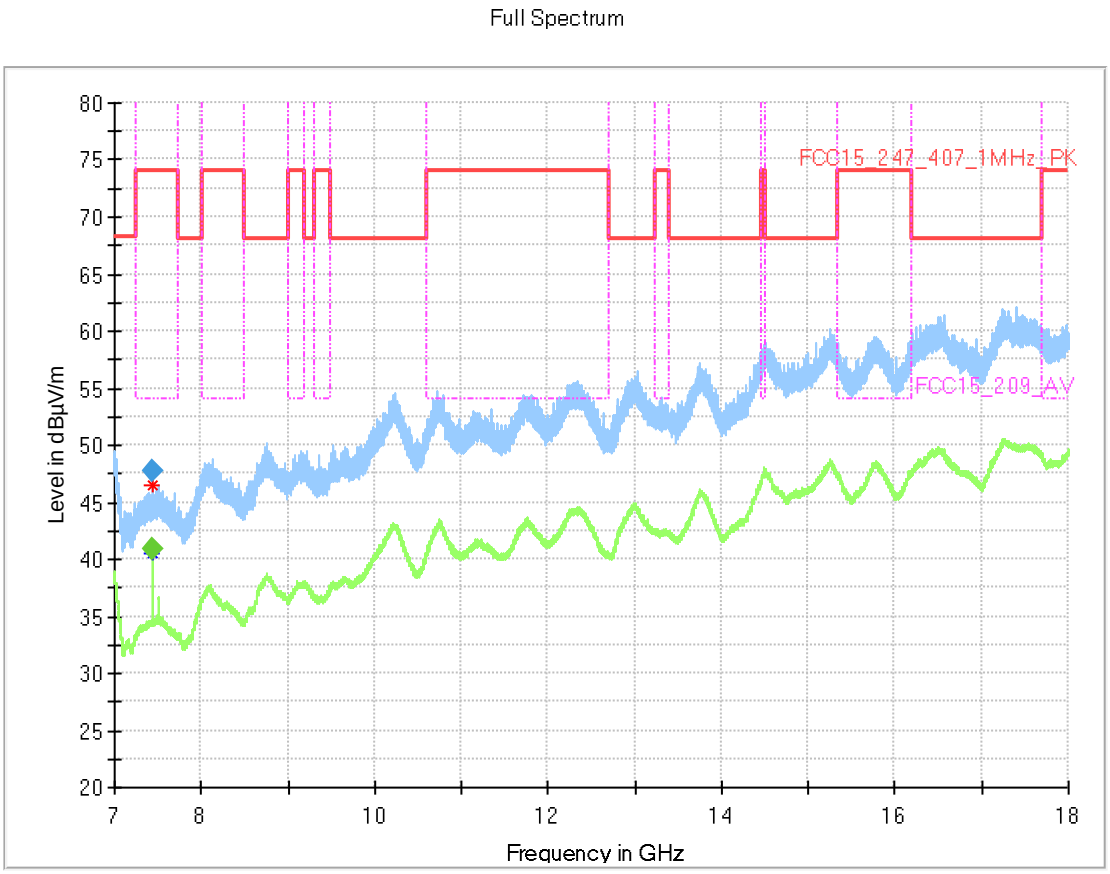
4.07b_n-mode_MCS5_ch116

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:	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



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

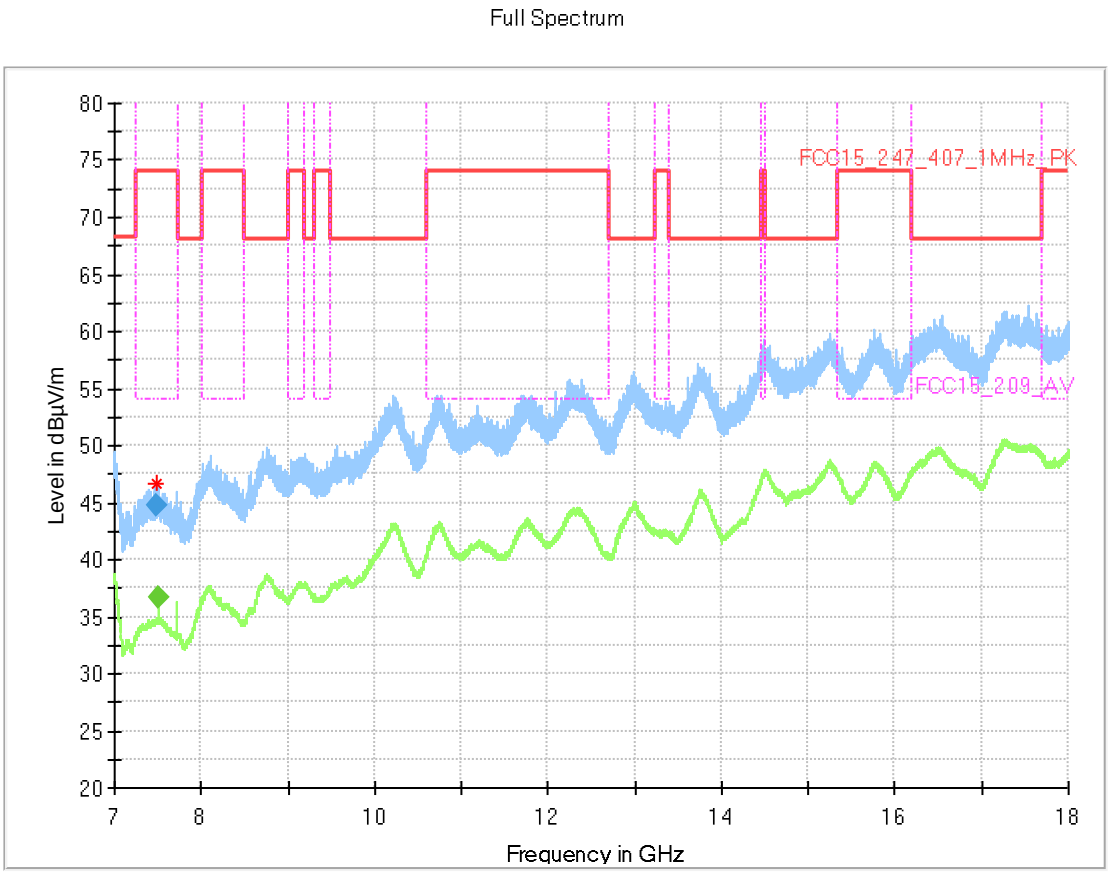
4.08b_n-mode_MCS5_ch157

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:	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



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

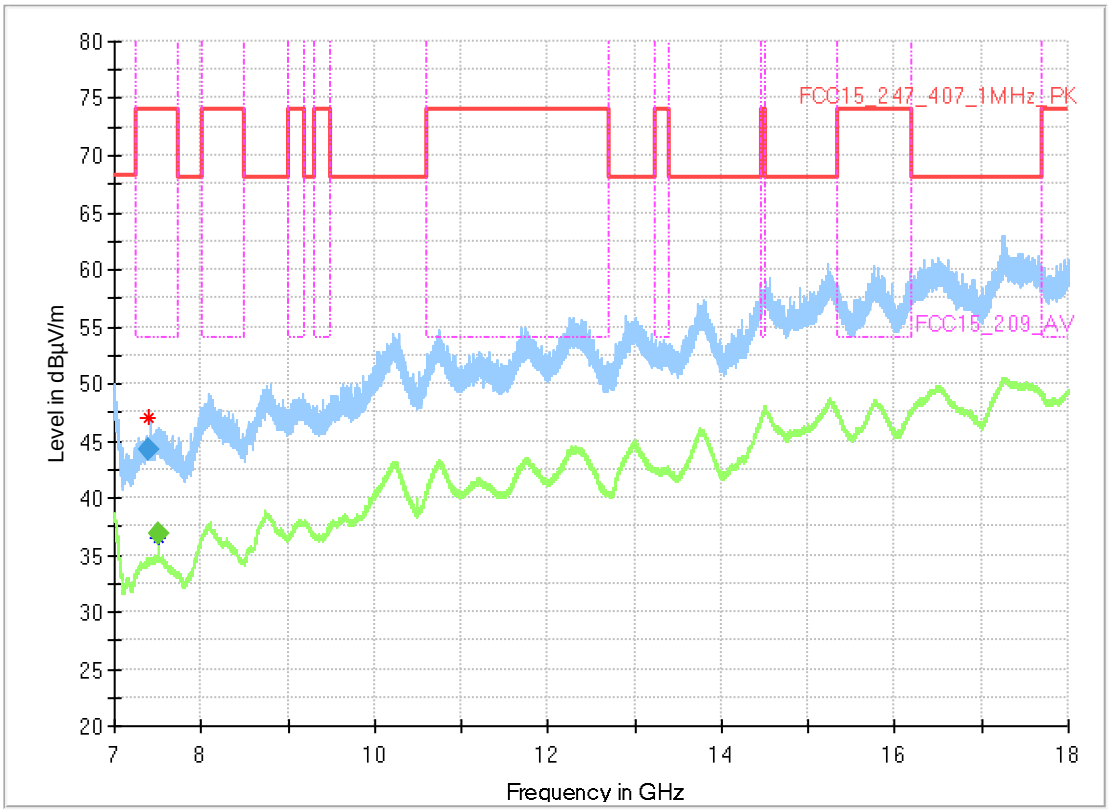
Common Information

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:	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)
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

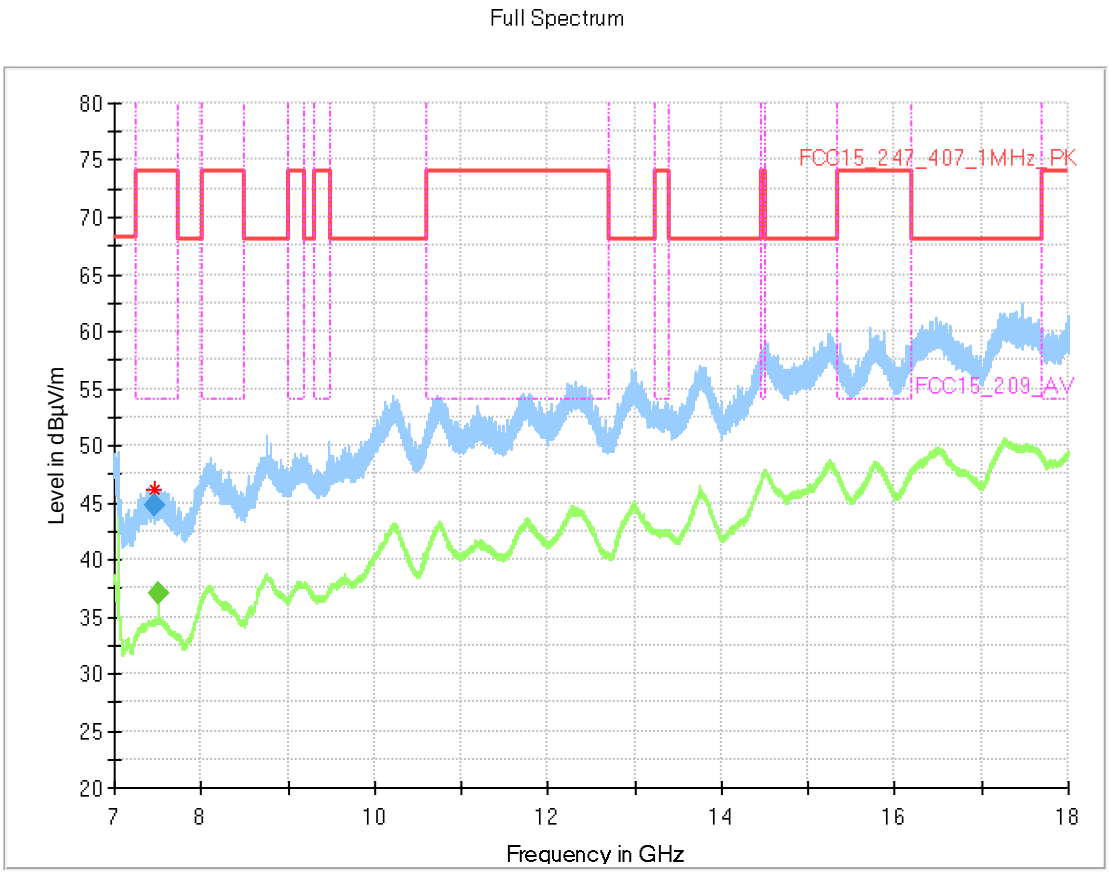
4.10b_ac-mode_MCS5_ch056

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



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

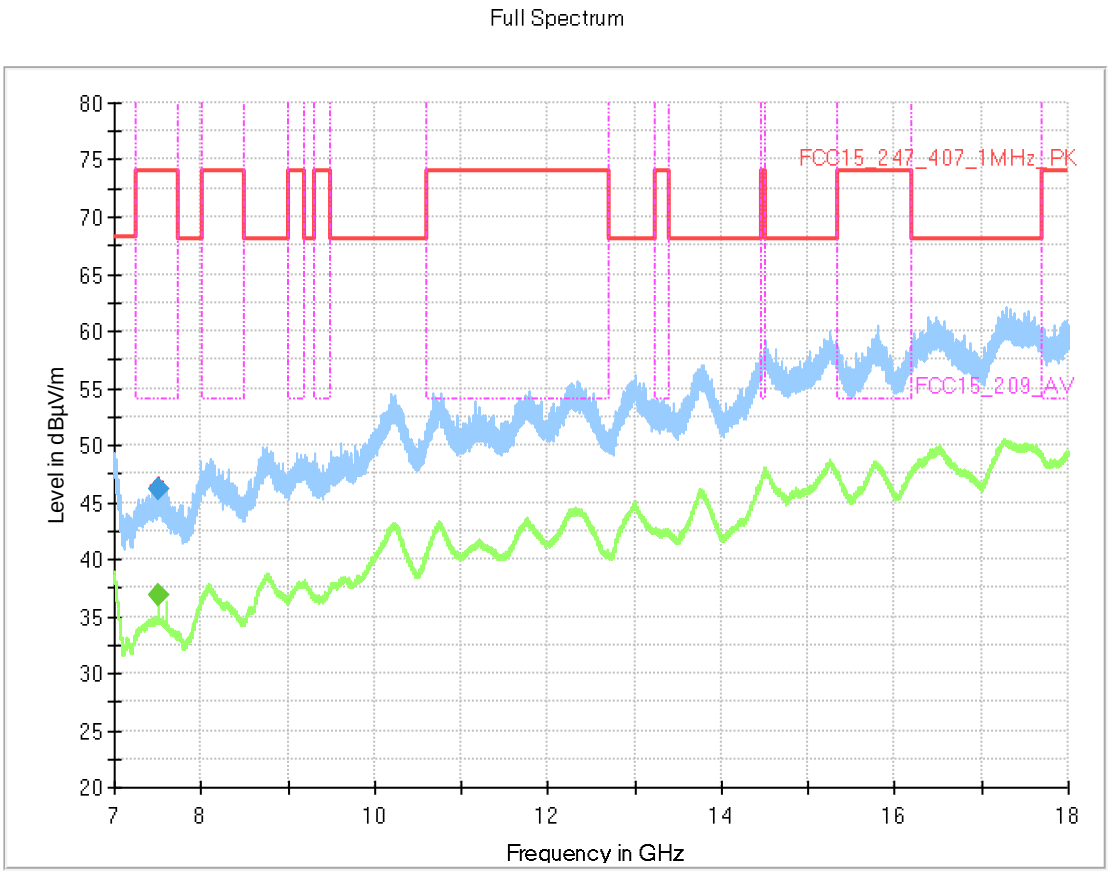
4.11b_ac-mode_MCS5_ch140

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:	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



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	46.22	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

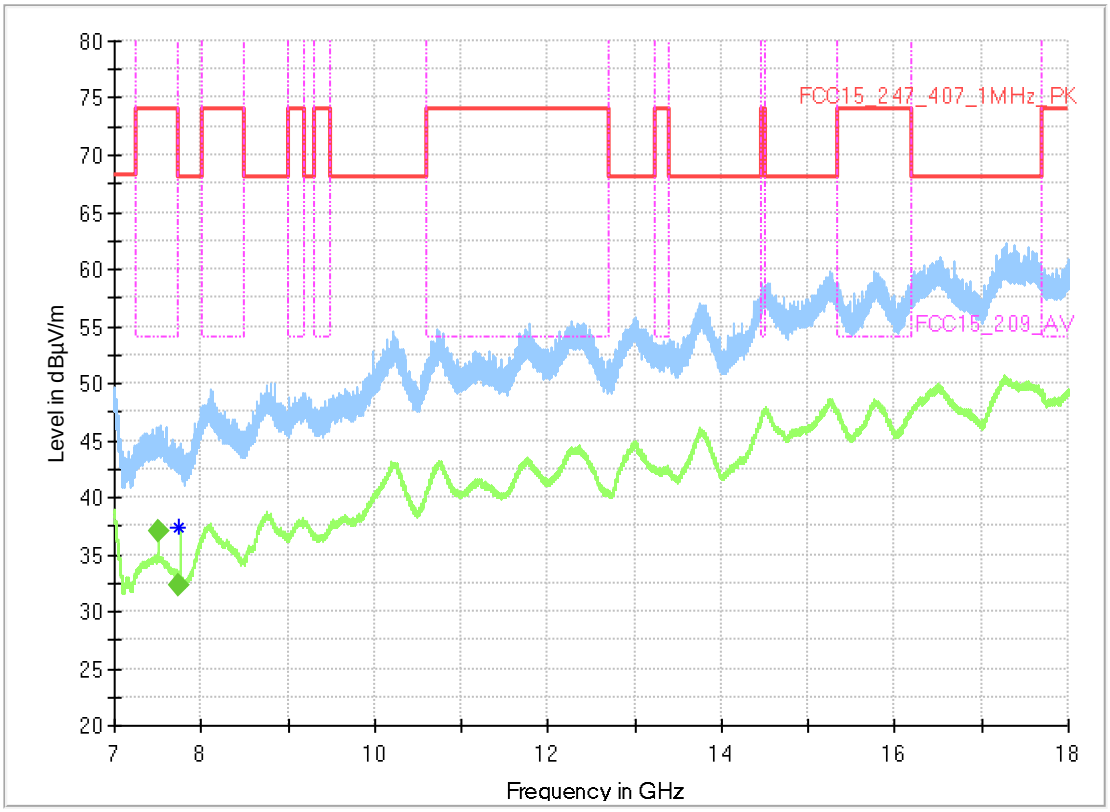
Common Information

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

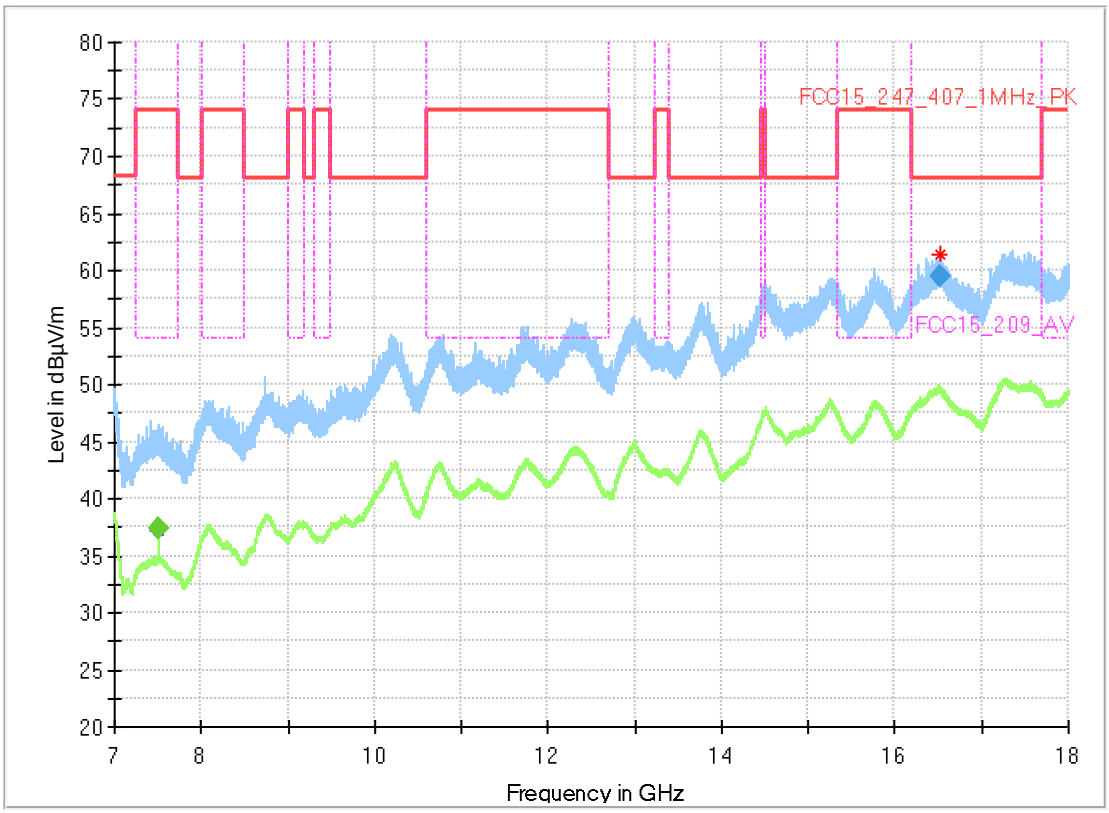
Common Information

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 (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/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

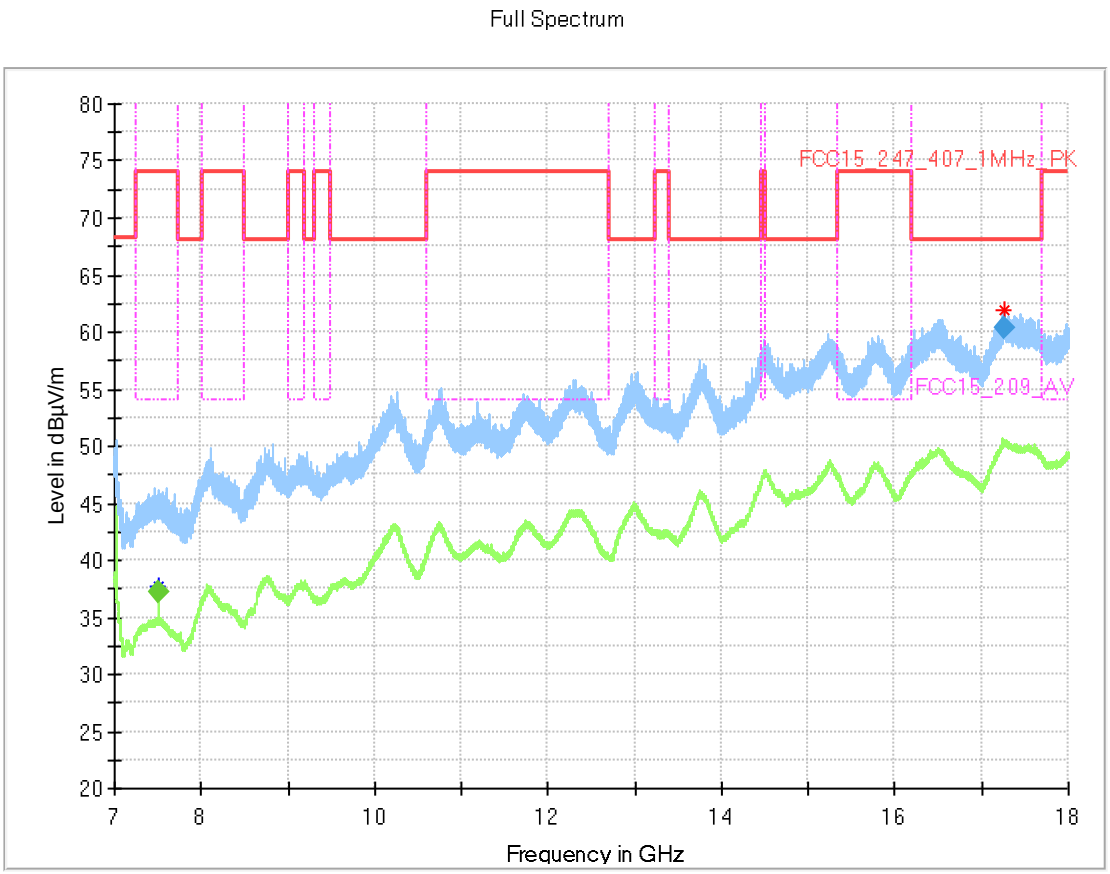
4.14b_n-mode_MCS7_ch54

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



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	---	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

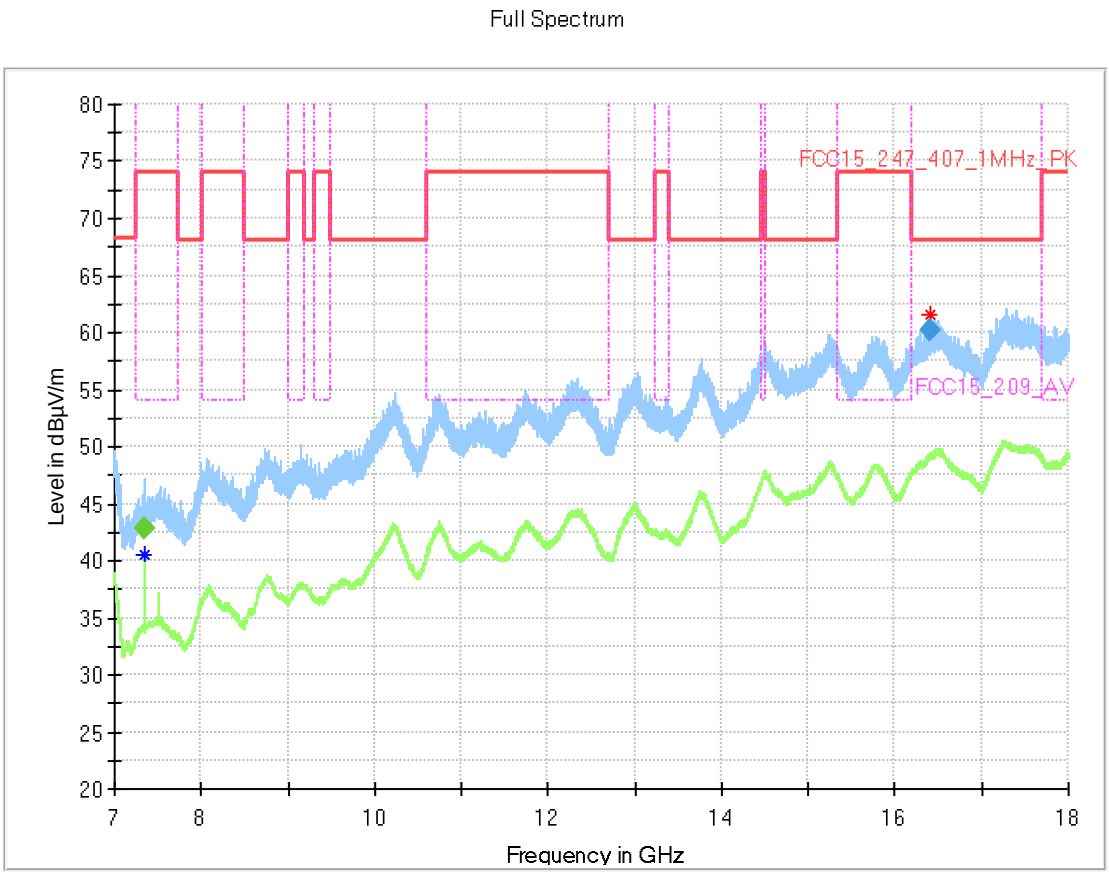
4.15b_n-mode_MCS7_ch102

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



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

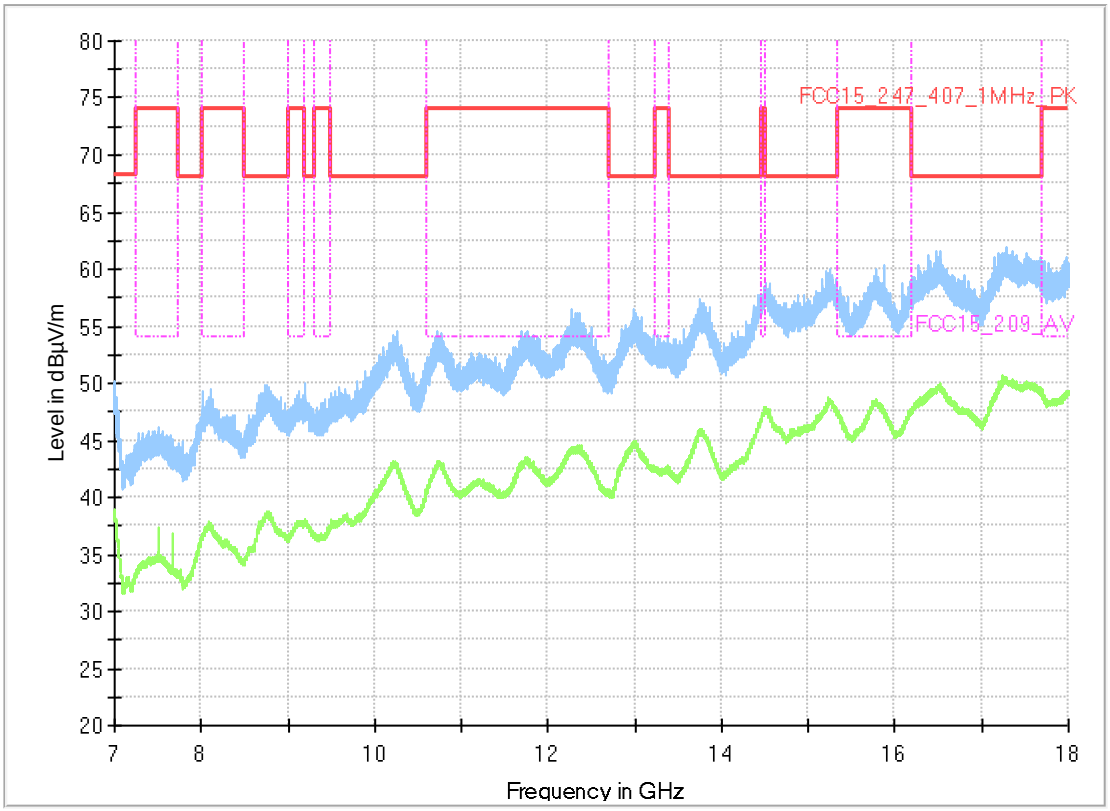
Common Information

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

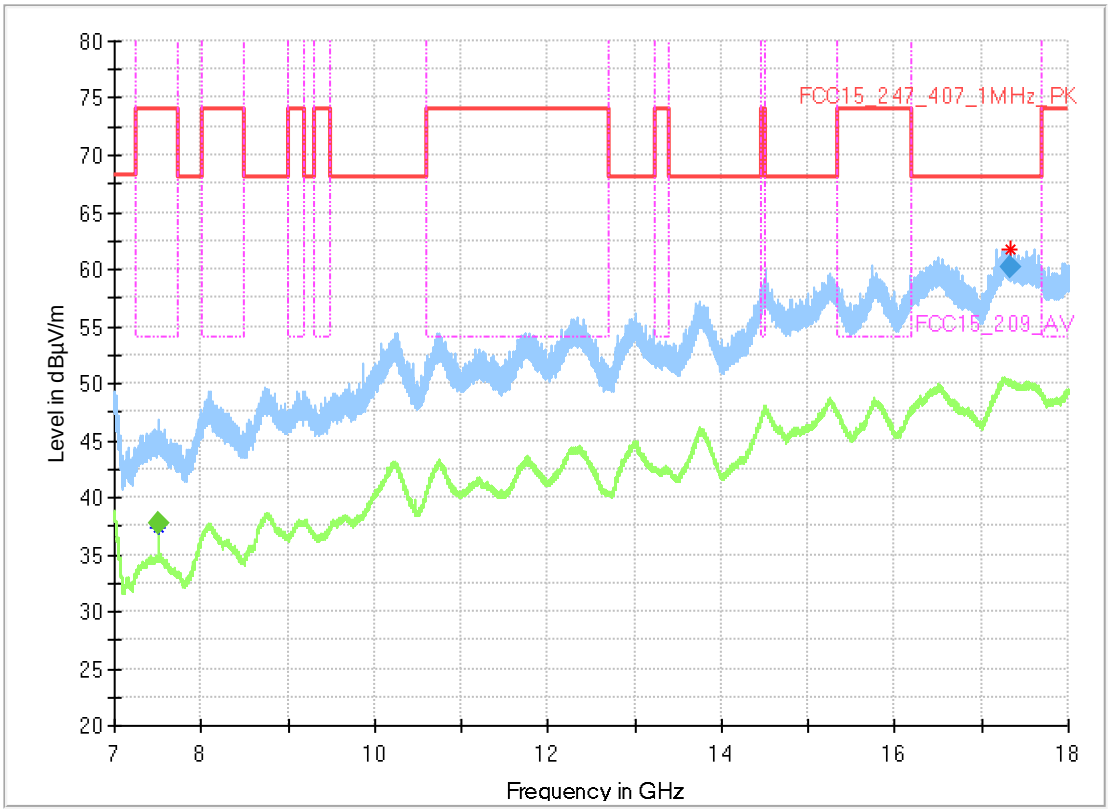
Common Information

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 (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/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

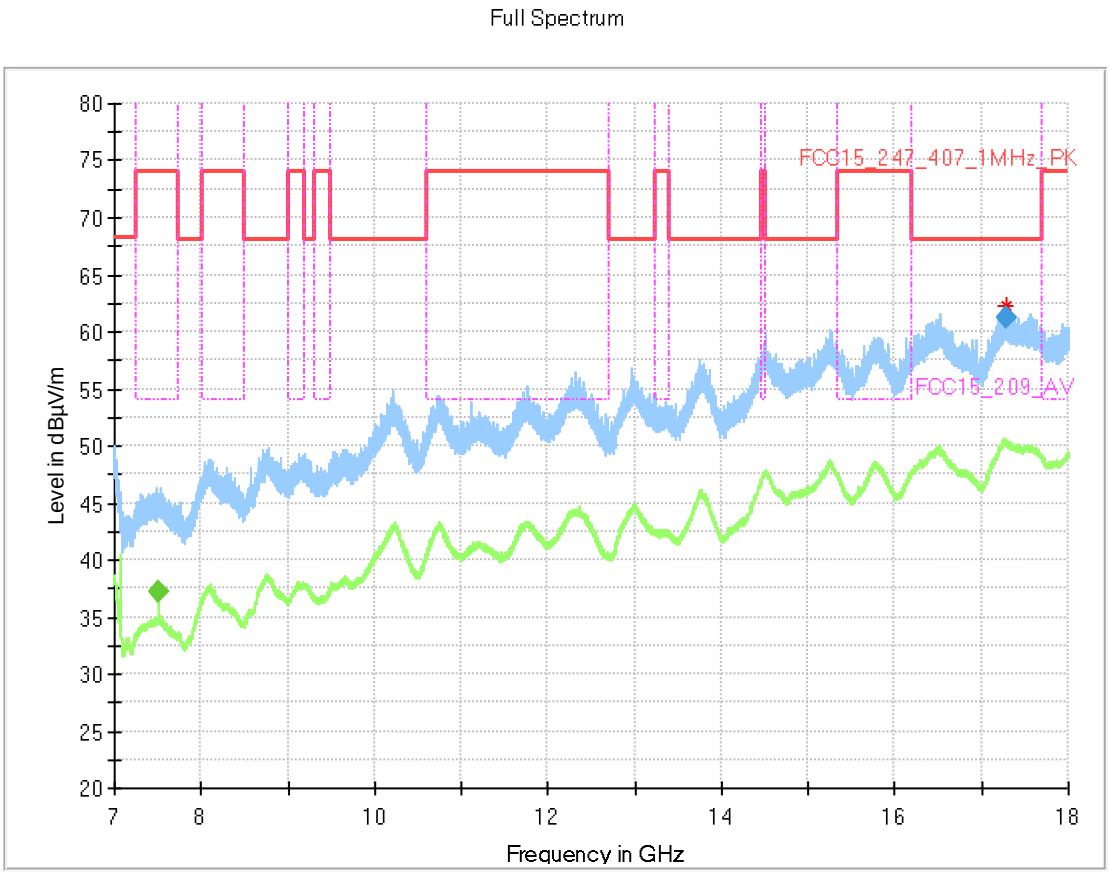
4.18b_ac-mode_MCS7_ch62

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



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)
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

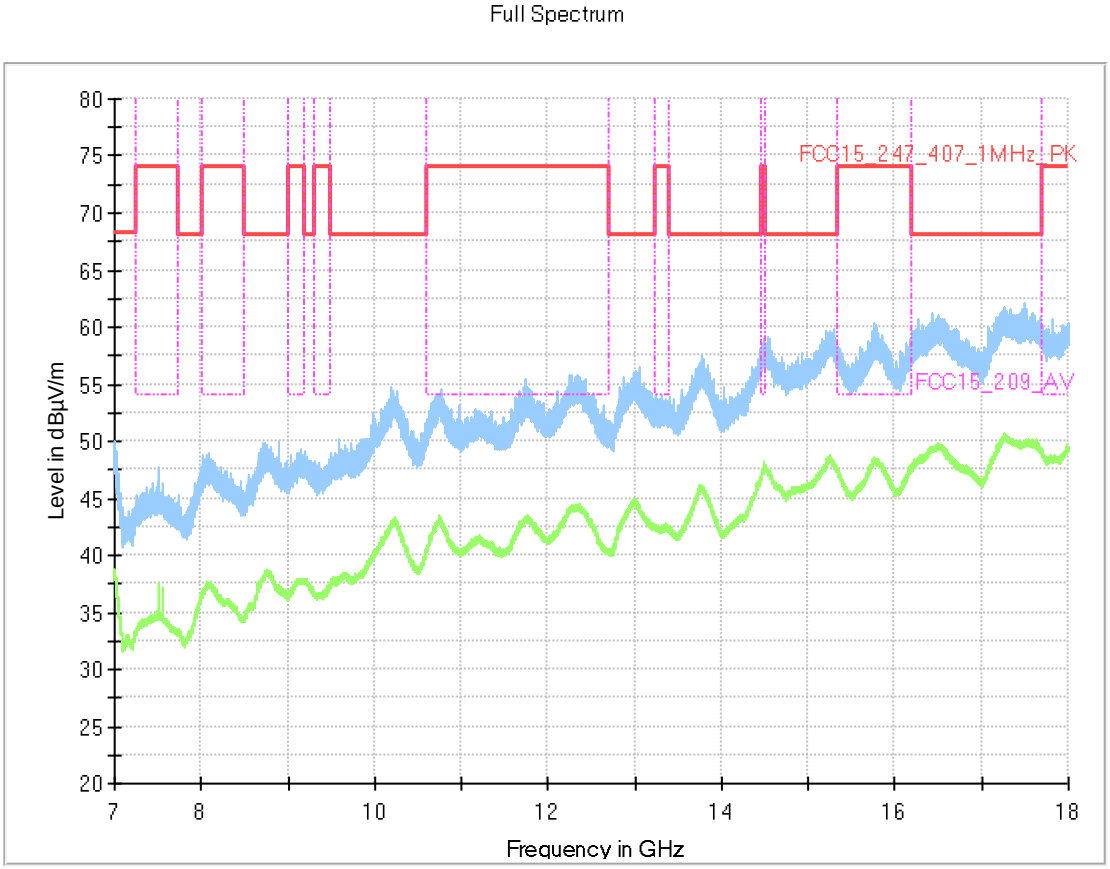
4.19b_ac-mode_MCS7_ch134

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



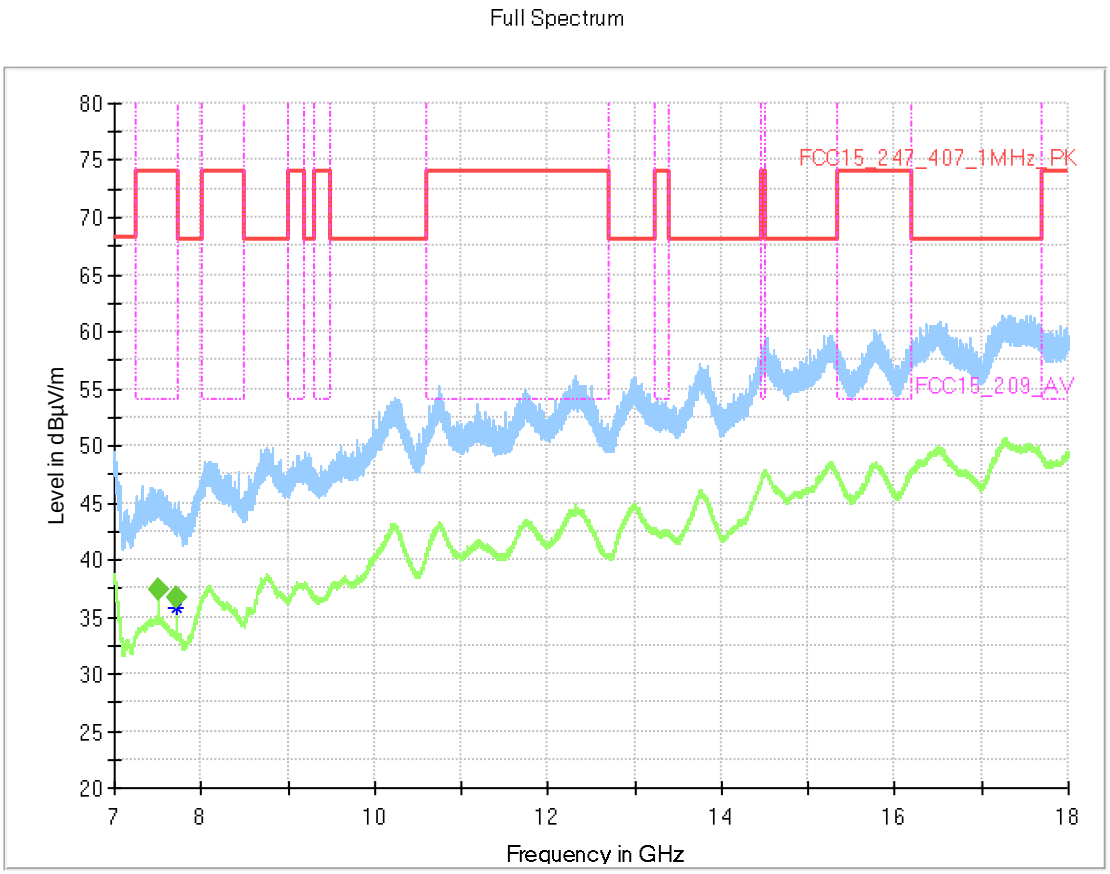
4.20b_ac-mode_MCS7_ch159

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



3.4.3. 80MHz Bandwidth

ac-mode

4.21b_ac-mode_MCS0_ch042

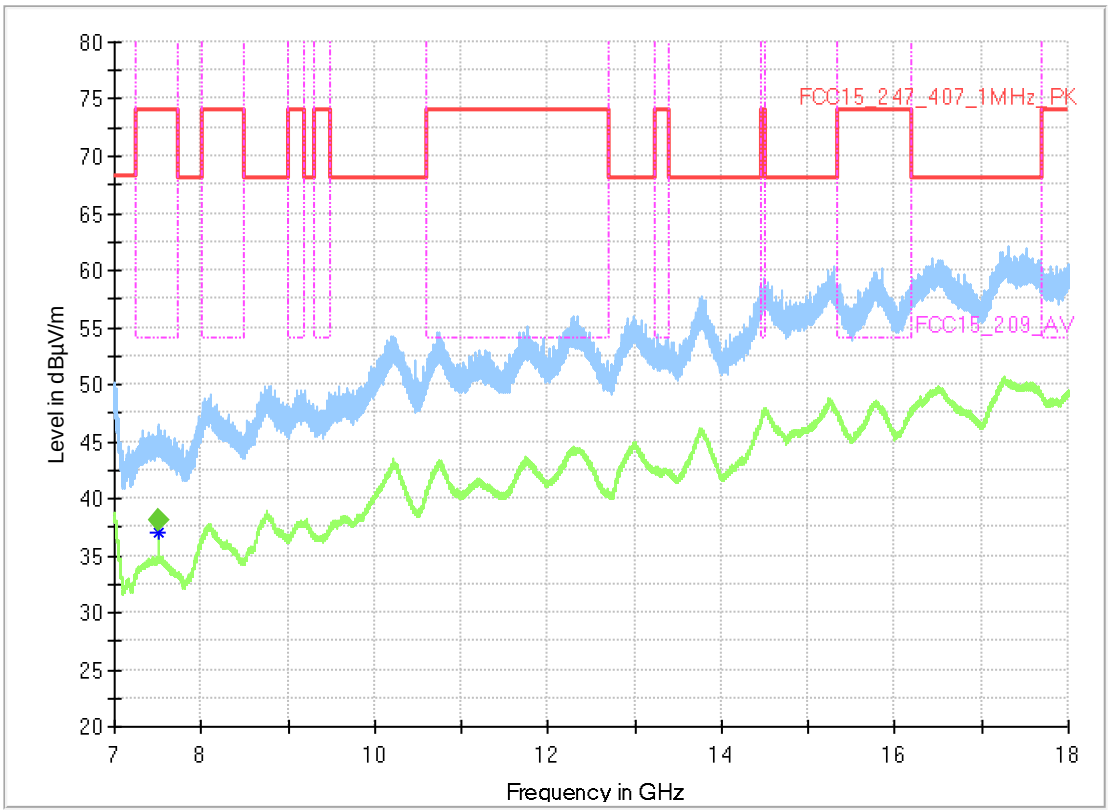
Common Information

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:	HEl
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

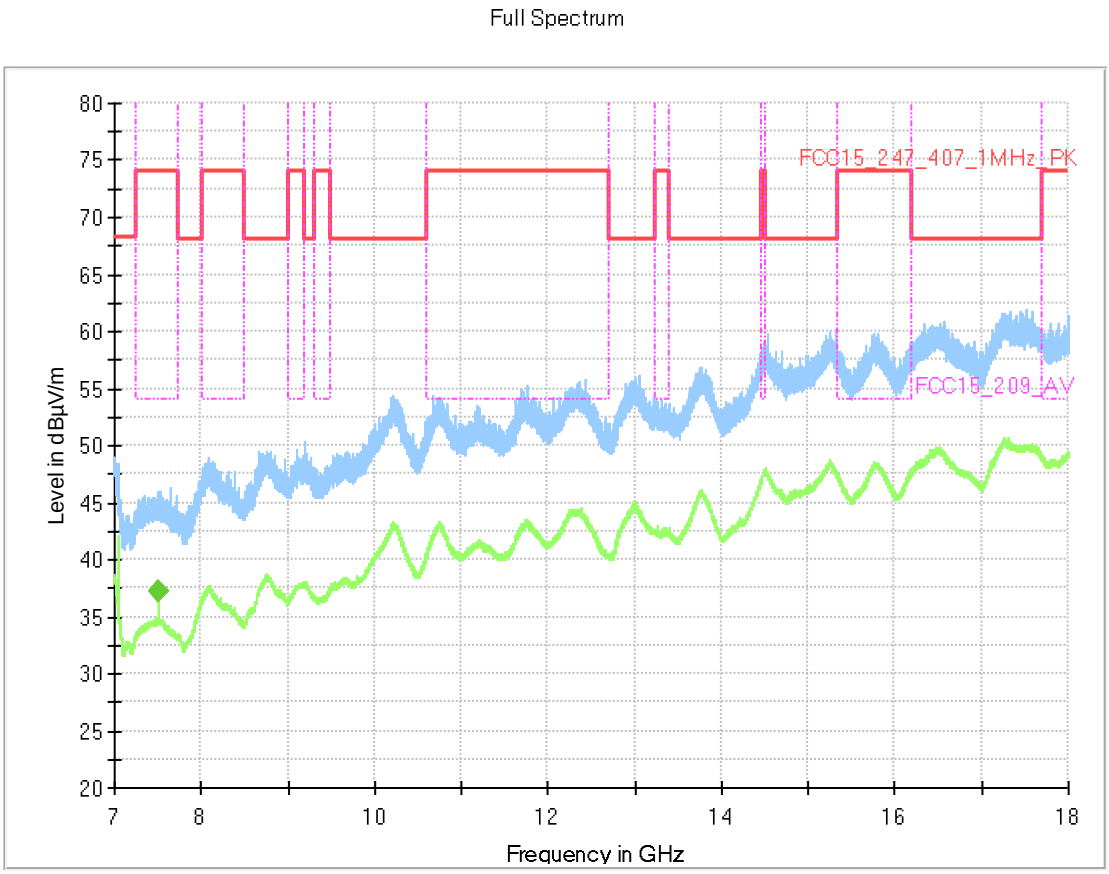
4.22b_ac-mode_MCS0_ch58

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:	HEl
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



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	---	37.27	54.00	16.73	100.0	1000.000	H	16.0	9.2

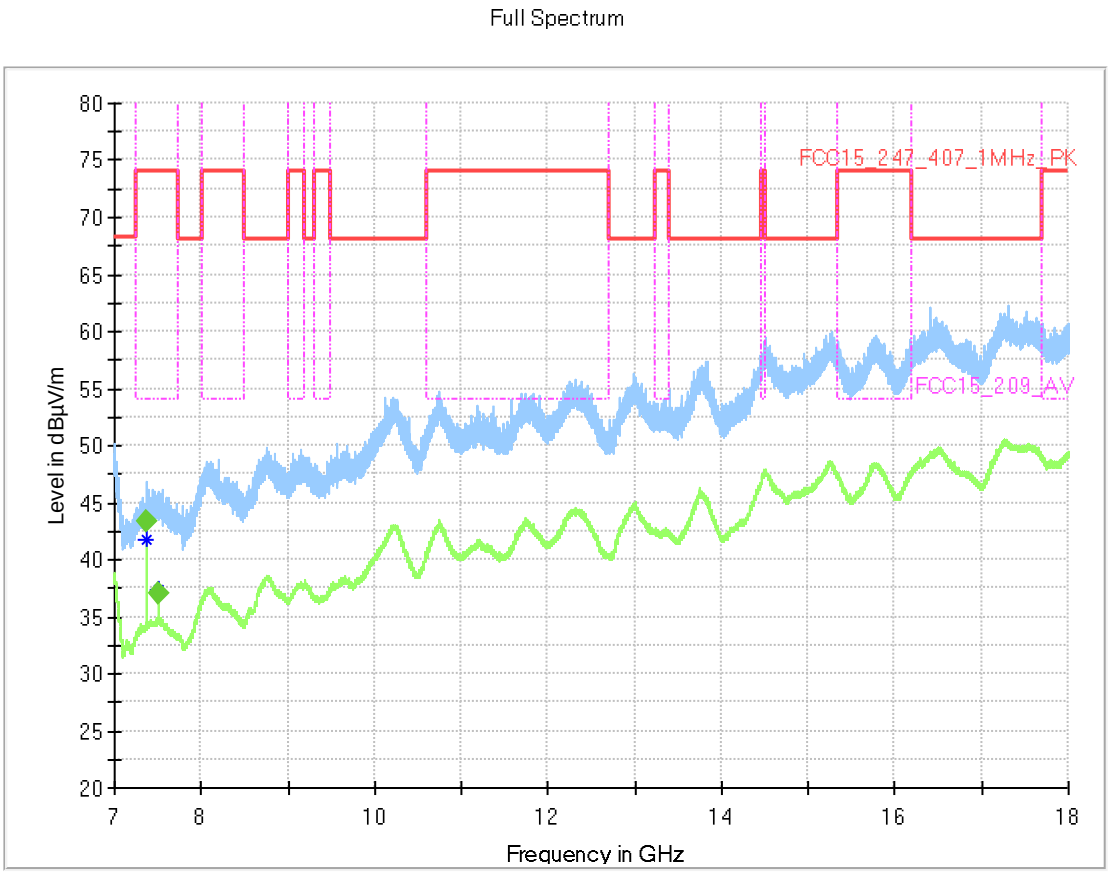
4.23b_ac-mode_MCS0_ch106

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:	HEl
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



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

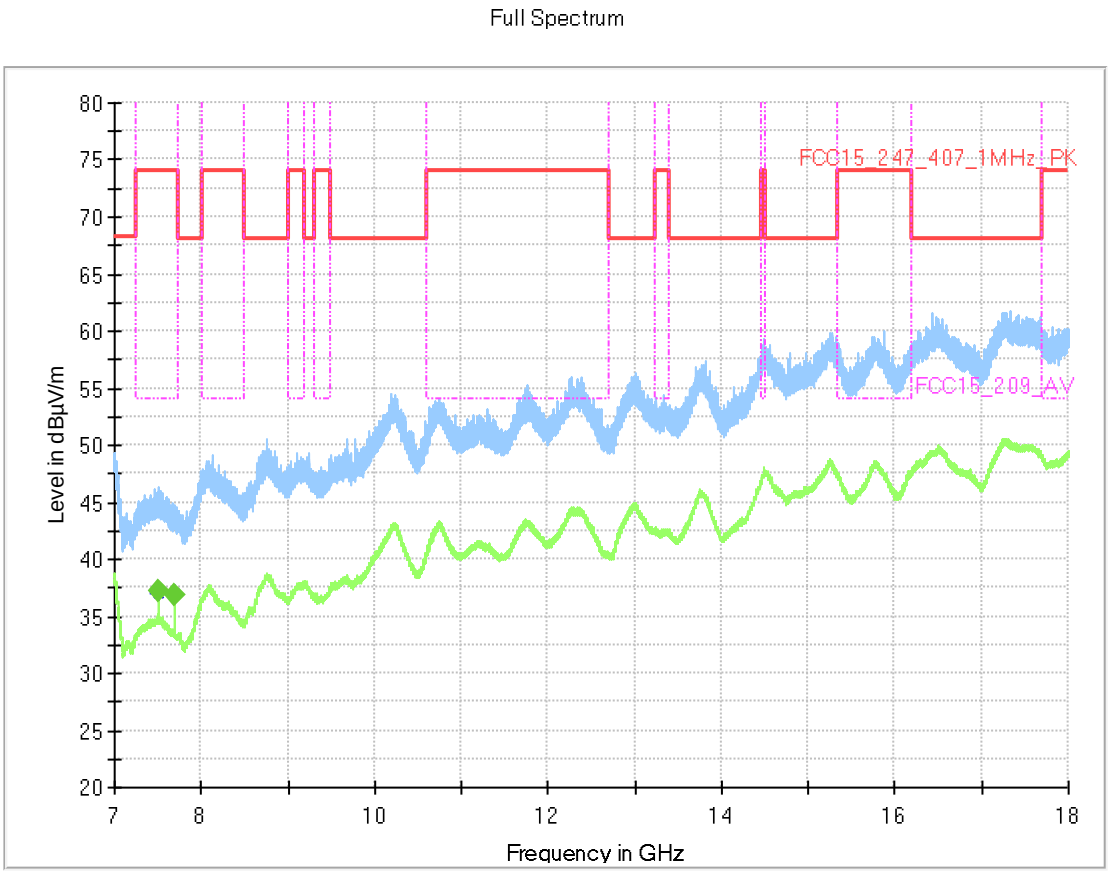
4.24b_ac-mode_MCS0_ch155

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:	HEl
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



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	---	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

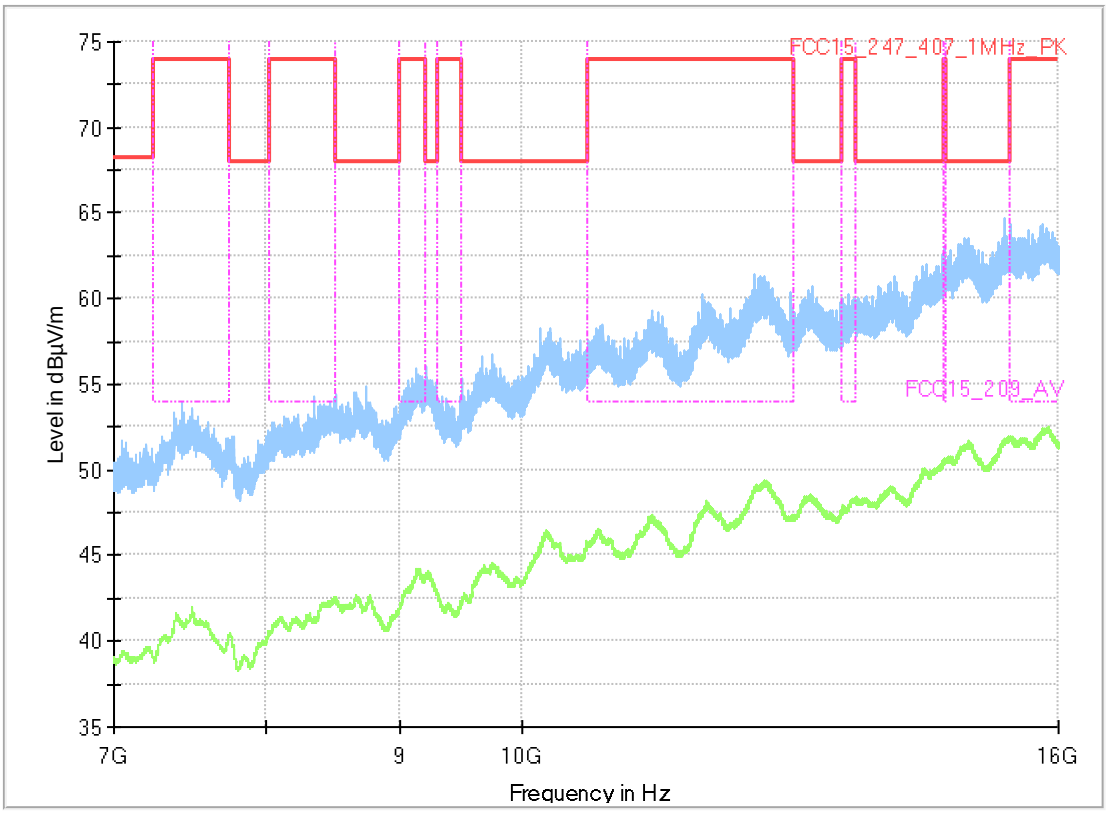
Common Information

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

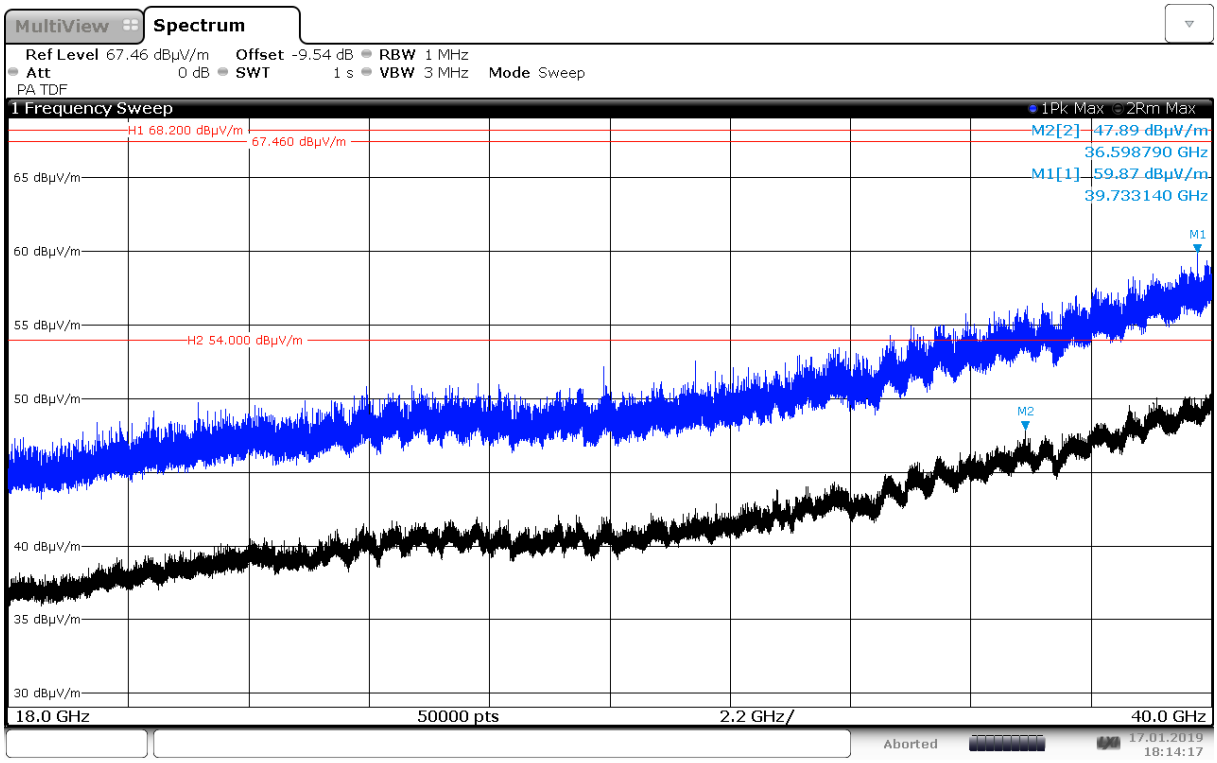
Full Spectrum



3.5. Radiated electric field measurement 18 GHz to 40 GHz

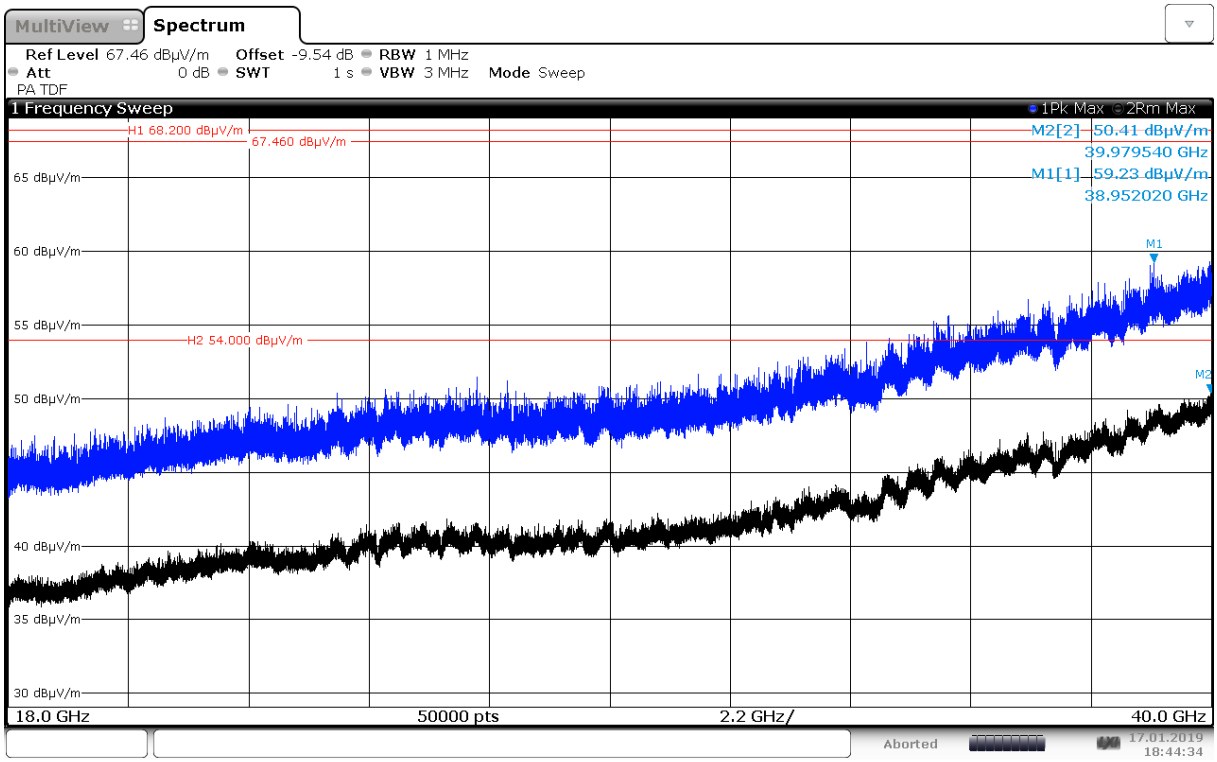
3.5.1. 20 MHz Bandwidth

a-mode



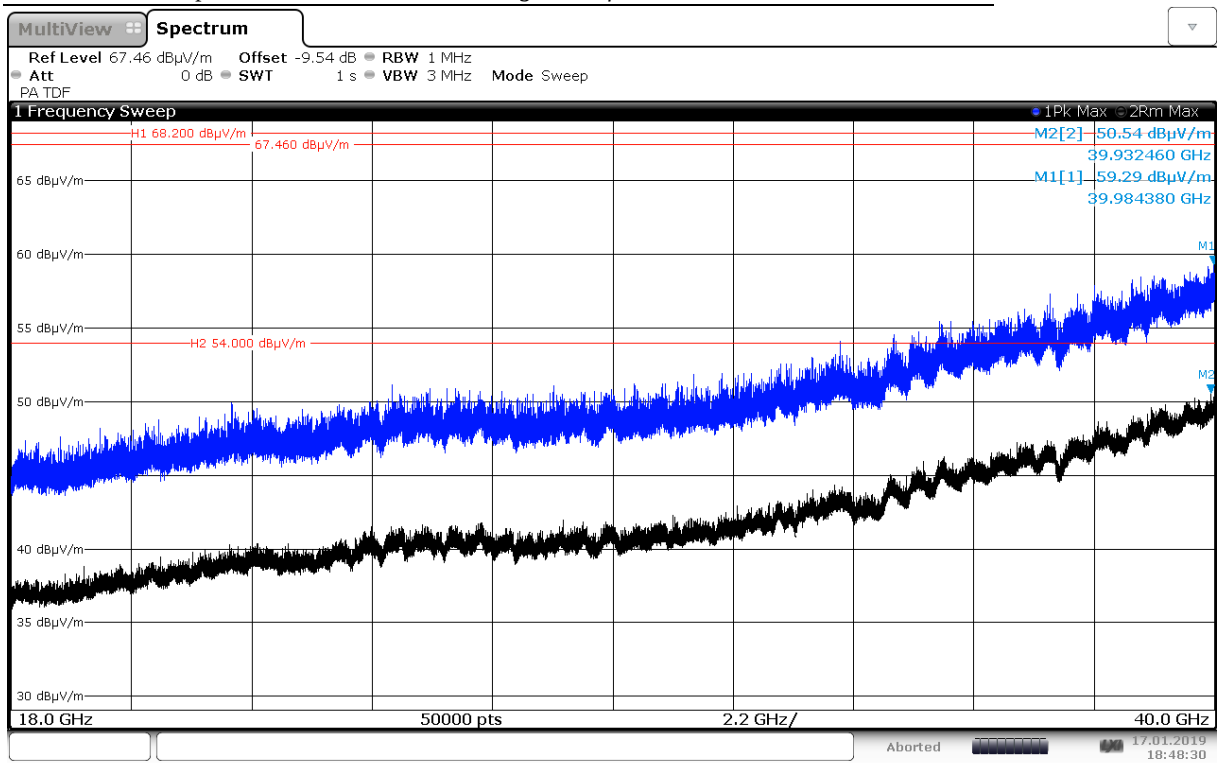
18:14:18 17.01.2019

4.01c_a-mode_18MBps_ch036



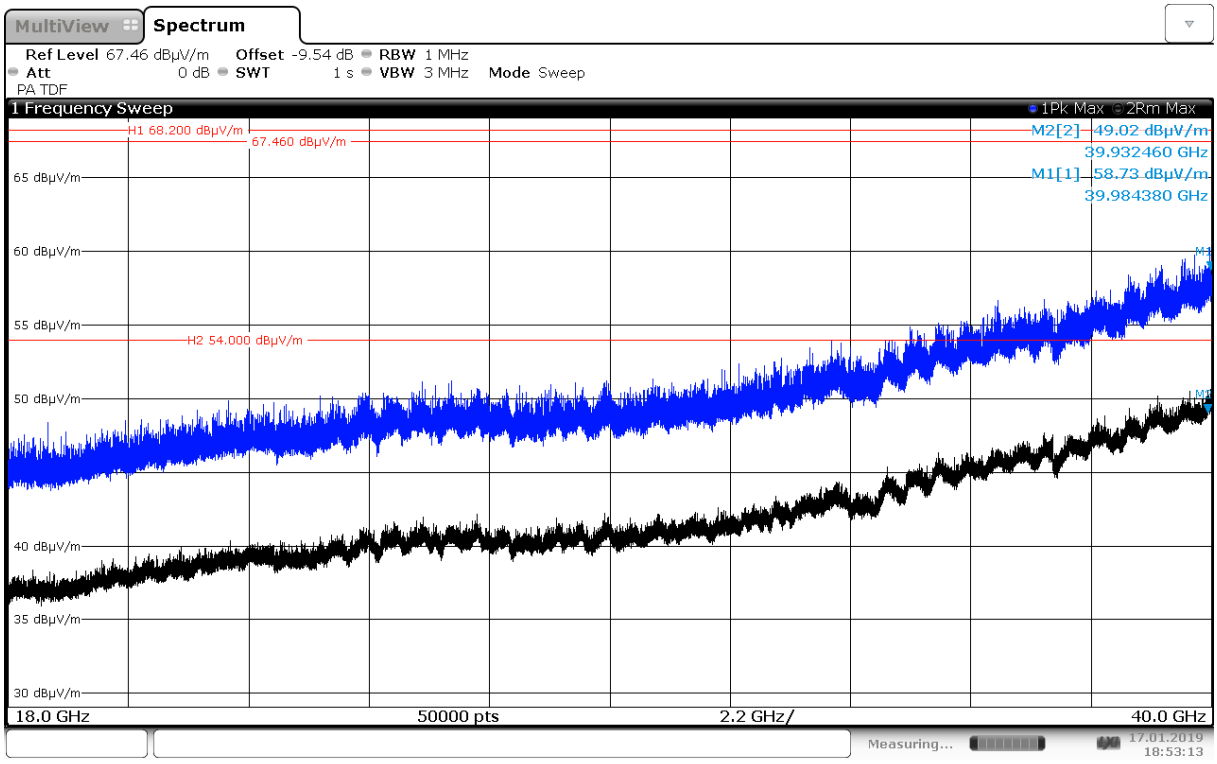
18:44:35 17.01.2019

4.02c_a-mode_18MBps_ch064



18:48:30 17.01.2019

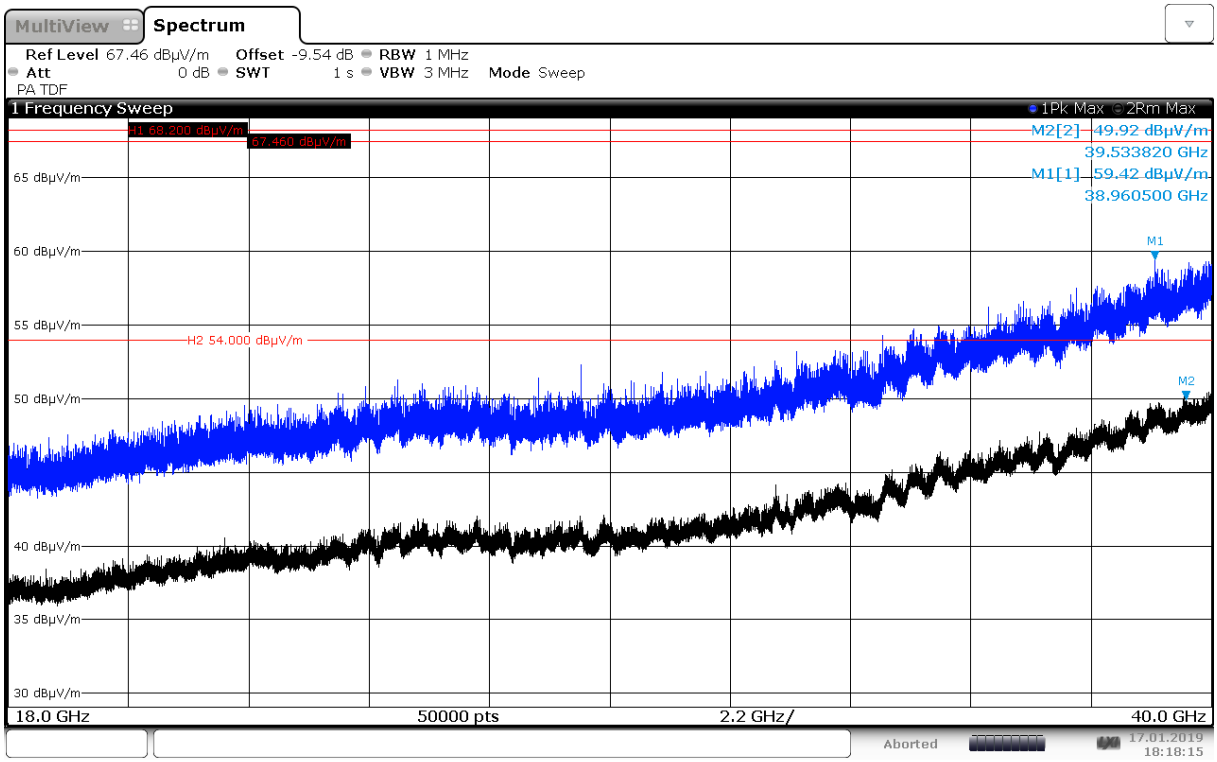
4.03c_a-mode_18MBps_ch100



18:53:14 17.01.2019

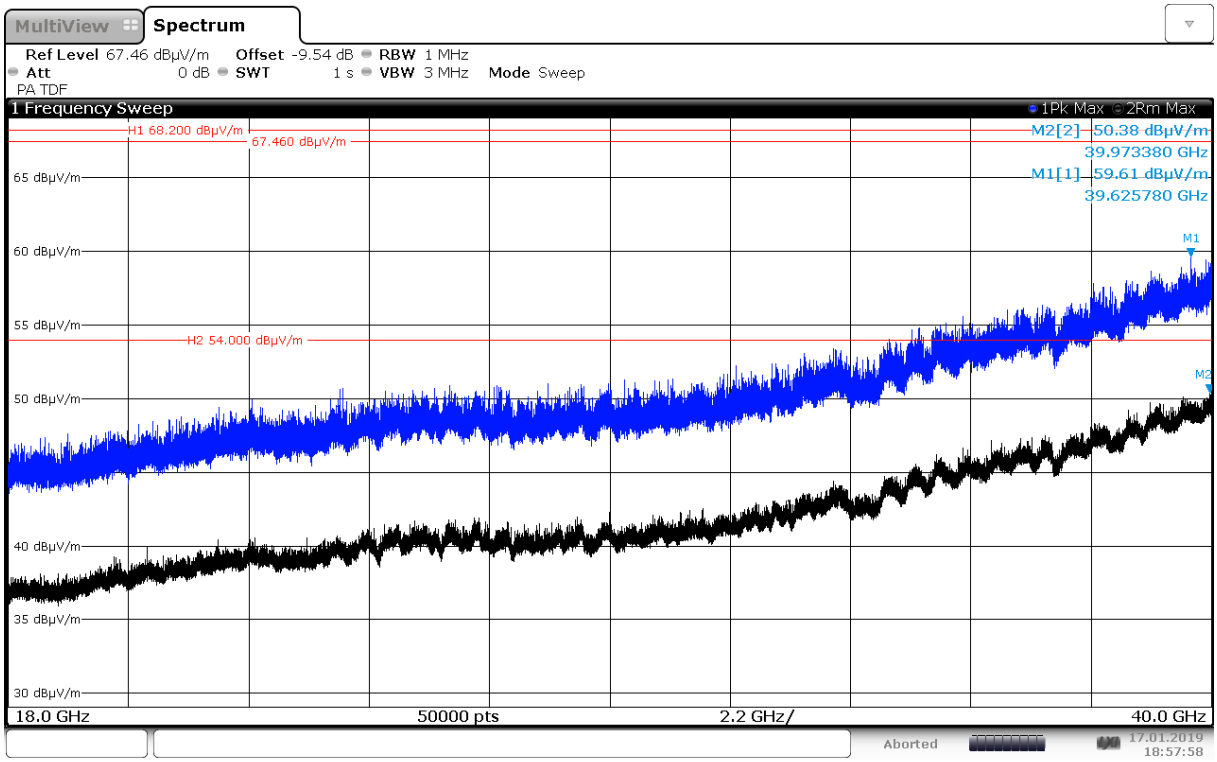
4.04c_a-mode_18MBps_ch149

n-mode



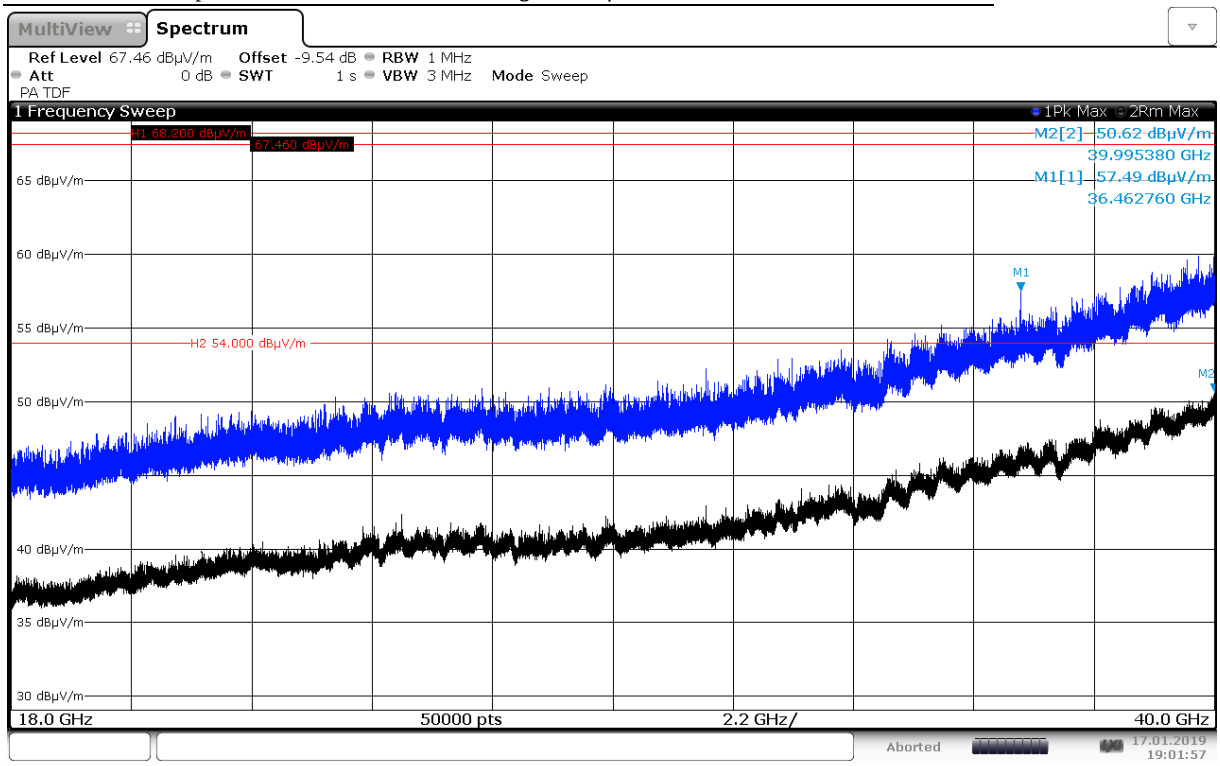
18:18:15 17.01.2019

4.05c_n-mode_MCS5_ch040



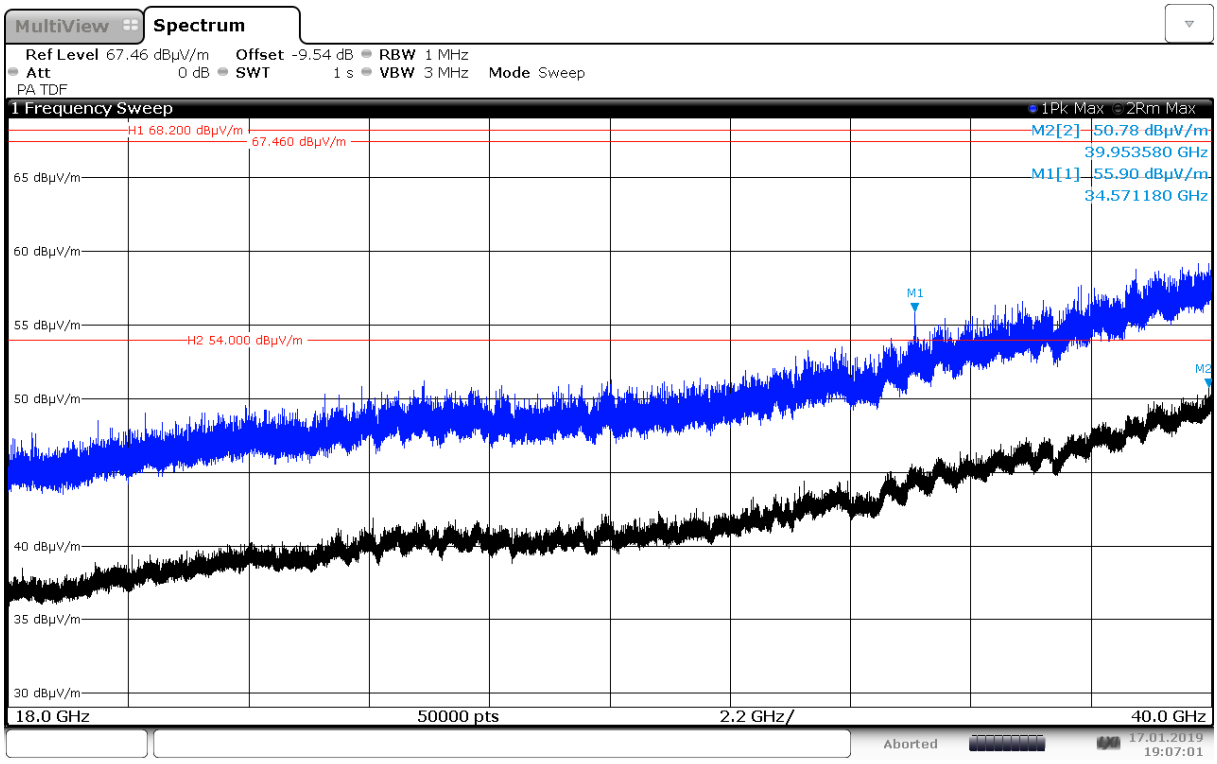
18:57:58 17.01.2019

4.06c_n-mode_MCS5_ch052



19:01:58 17.01.2019

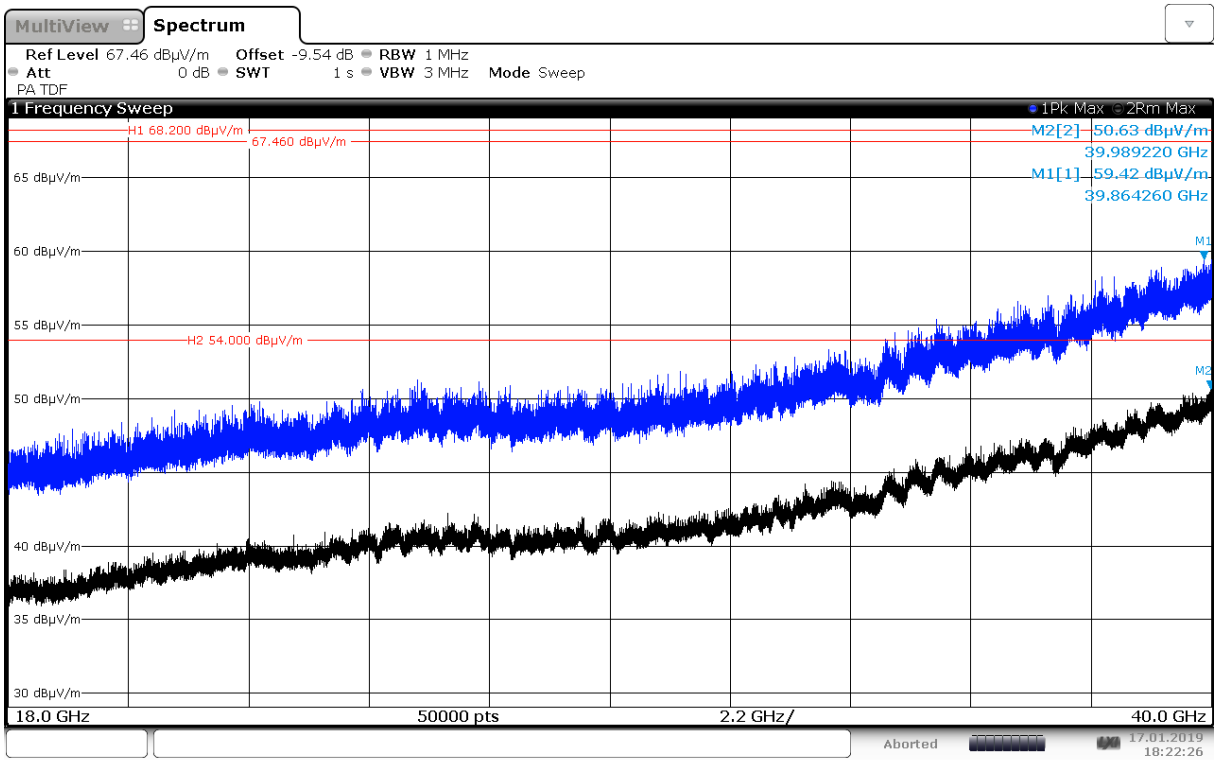
4.07c_n-mode_MCS5_ch116



19:07:02 17.01.2019

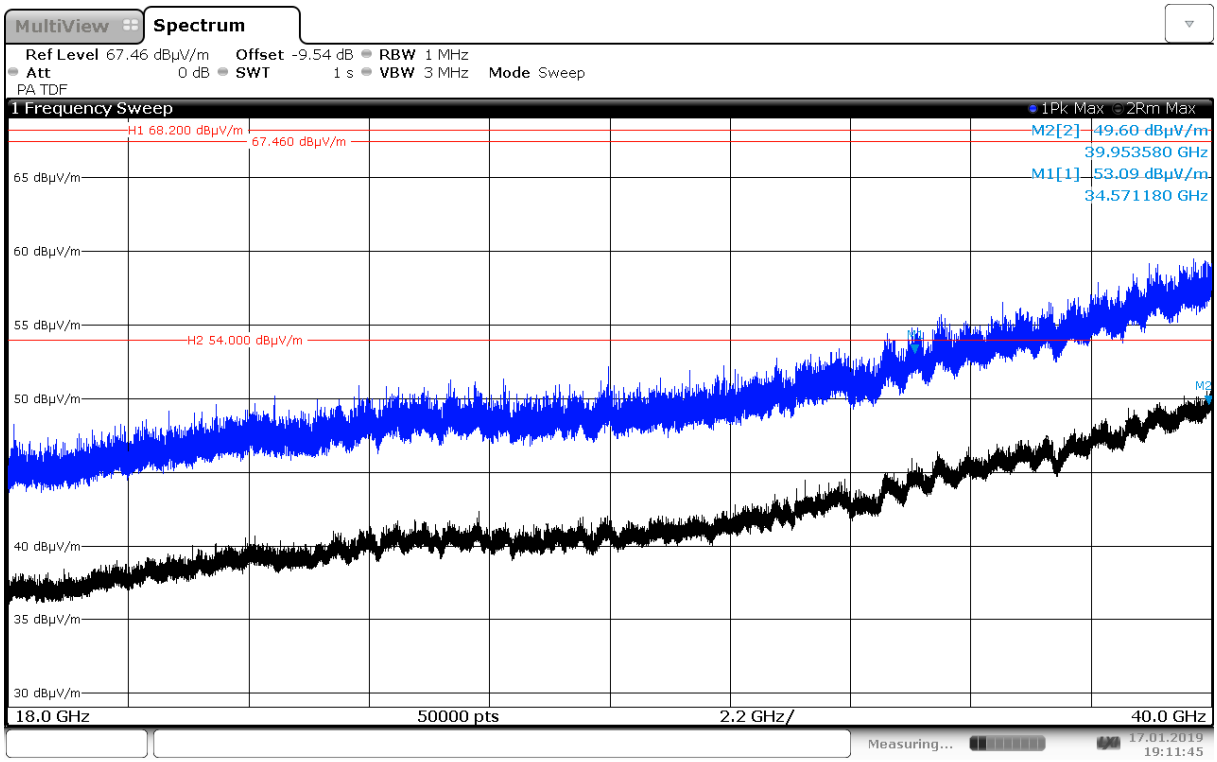
4.08c_n-mode_MCS5_ch157

ac-mode



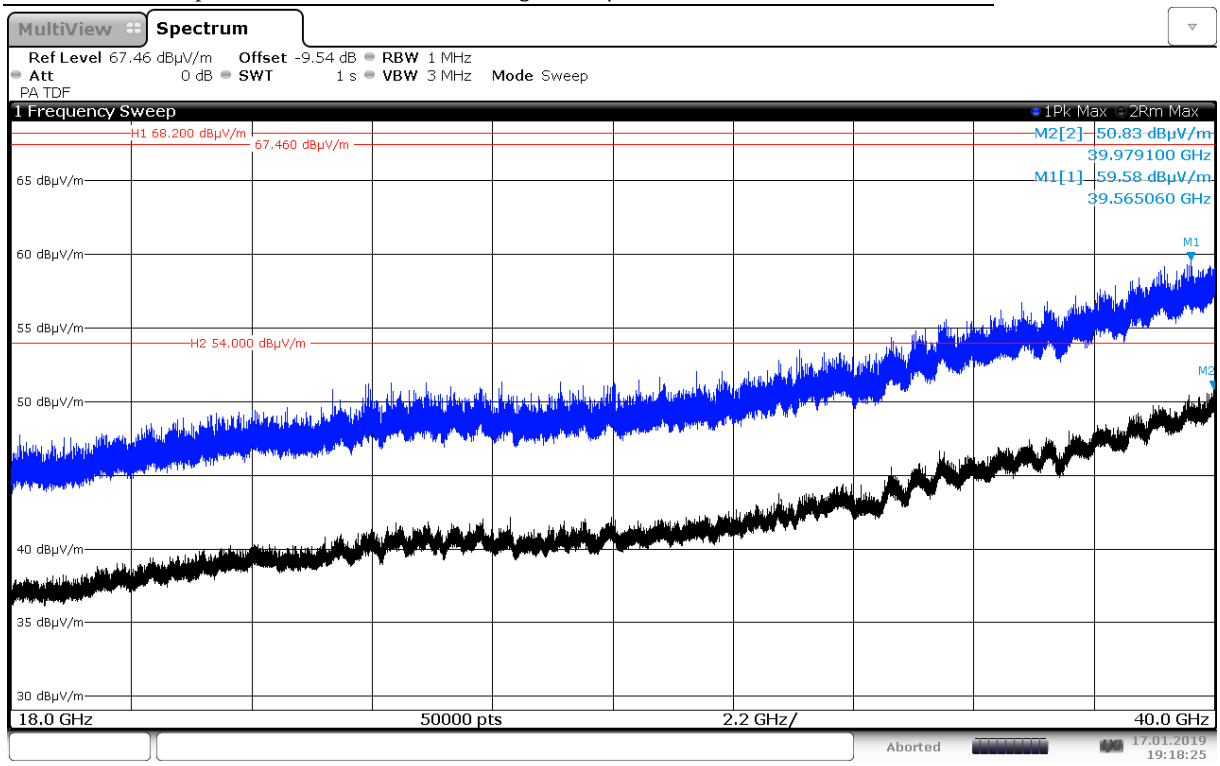
18:22:27 17.01.2019

4.09c_ac-mode_MCS5_ch048



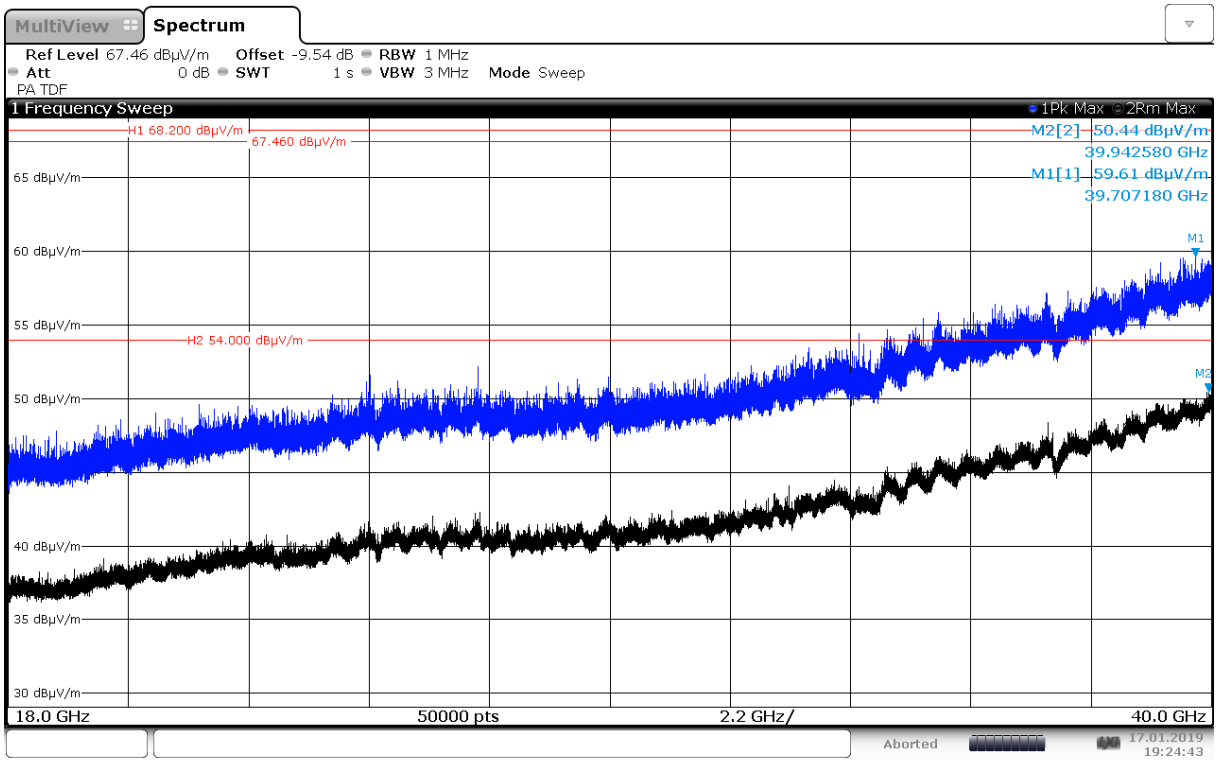
19:11:46 17.01.2019

4.10c_ac-mode_MCS5_ch056



19:18:25 17.01.2019

4.11c_ac-mode_MCS5_ch140



19:24:43 17.01.2019

4.12c_ac-mode_MCS5_ch165