

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0130902T08-C1

According to:

FCC Regulations

Part 15.107

Part 15.109

ISED Regulations

ICES-003, Issue 6

RSS-Gen, Issue 5

for

Vorwerk Elektrowerke GmbH & Co. KG

Thermomix TM6-5
Household equipment with WLAN

FCC ID: 2AGELTM65

ISED: 20889-TM65



Laboratory Accreditation
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<p>CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com</p>
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1. Radiated Field Strength Measurements

1.1. Conducted Emissions on AC-Power lines – 150kHz to 30 MHz

1.01

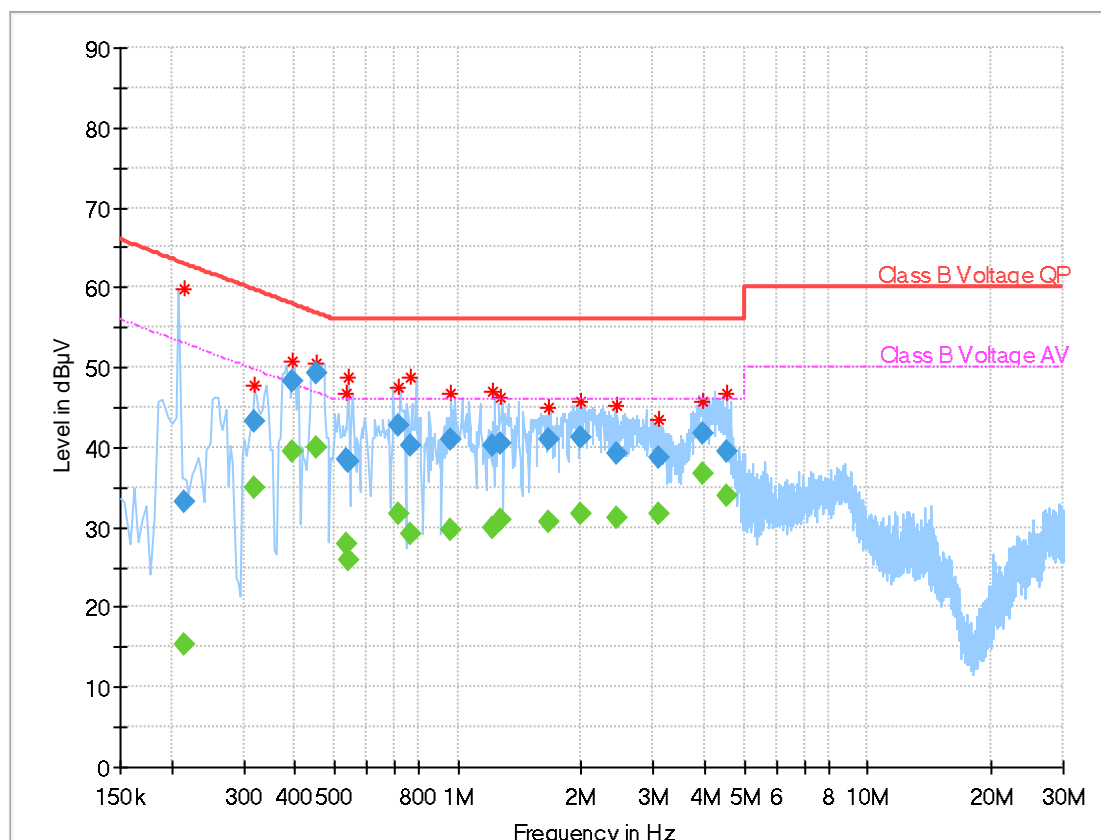
Common Information

Test Description:	Conducted Voltage Measurement Class B
Test Site & Location:	Conducted Emission, CETECOM GmbH Essen
Test Software:	R&S EMC32 v9.15
Test Specification:	FCC 15.107, FCC 15.207
Operating Mode:	Mixer & Temperature
Measured on line:	N/L1
Diagram details:	Shows the peak values as a sum of measured ports in maxhold mode
Environmental Conditions:	Humidity: 42%rH; Temperature: 23°C
Operator:	JVo
Comments:	120V AC

EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	thermomix
Type:	Household equipment with WLAN
HW:	13
SW:	0.18.109-201808300615
Serial Nr.:	18434212024100415
Power Supply:	120V AC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Bandwidth (kHz)	Correction (dB)
0.216094	33.29	---	62.97	29.68	9.000	0.1
0.216094	---	15.25	52.97	37.72	9.000	0.1
0.318906	43.25	---	59.74	16.49	9.000	0.1
0.318906	---	34.89	49.74	14.85	9.000	0.1
0.392500	48.26	---	58.01	9.75	9.000	0.1
0.392500	---	39.35	48.01	8.66	9.000	0.1
0.452813	49.21	---	56.82	7.61	9.000	0.1
0.452813	---	40.04	46.82	6.78	9.000	0.1
0.534844	38.44	---	56.00	17.56	9.000	0.1
0.534844	---	27.78	46.00	18.22	9.000	0.1
0.538125	38.26	---	56.00	17.74	9.000	0.1
0.538125	---	25.95	46.00	20.05	9.000	0.1
0.716719	42.72	---	56.00	13.28	9.000	0.2
0.716719	---	31.76	46.00	14.24	9.000	0.2
0.768125	40.16	---	56.00	15.84	9.000	0.2
0.768125	---	29.11	46.00	16.89	9.000	0.2
0.965000	---	29.56	46.00	16.44	9.000	0.3
0.965000	41.10	---	56.00	14.90	9.000	0.3
1.210625	---	29.86	46.00	16.14	9.000	0.3
1.210625	40.24	---	56.00	15.76	9.000	0.3
1.271406	40.60	---	56.00	15.40	9.000	0.3
1.271406	---	30.85	46.00	15.15	9.000	0.3
1.659219	---	30.66	46.00	15.34	9.000	0.3
1.659219	41.04	---	56.00	14.96	9.000	0.3
1.994063	---	31.77	46.00	14.23	9.000	0.3
1.994063	41.34	---	56.00	14.66	9.000	0.3
2.429844	39.23	---	56.00	16.77	9.000	0.3
2.429844	---	31.07	46.00	14.93	9.000	0.3
3.092188	---	31.58	46.00	14.42	9.000	0.3
3.092188	38.61	---	56.00	17.39	9.000	0.3
3.948906	41.84	---	56.00	14.16	9.000	0.3
3.948906	---	36.65	46.00	9.35	9.000	0.3
4.514688	39.45	---	56.00	16.55	9.000	0.4
4.514688	---	33.99	46.00	12.01	9.000	0.4

1.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz

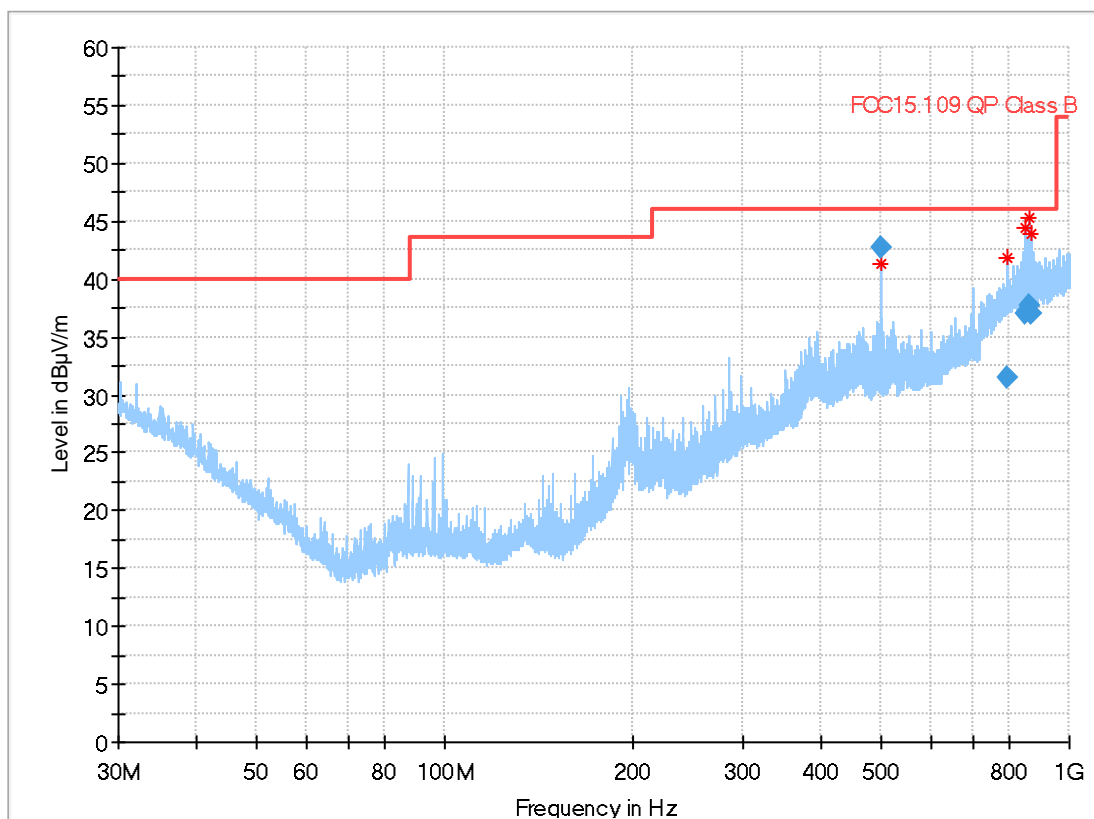
3.01

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
Test specification.:	FCC 15.109 Class B; RSS-Gen. Issue 4
Mode:	15B_WiFi-OFF_Heating-40°C_Blender_On
Operator:	SLo
Operating conditions:	Humidity: 48%rH; Temperature: 20°C

EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	thermomix
Type:	Household equipment with WLAN
HW:	13
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)	Corr. (dB)
499.950000	42.68	46.00	3.32	1000.0	120.000	173.0	H	343.0	19.5
797.360000	31.46	46.00	14.54	1000.0	120.000	185.0	H	183.0	25.4
850.740000	37.01	46.00	8.99	1000.0	120.000	162.0	H	243.0	26.1
862.960000	37.68	46.00	8.33	1000.0	120.000	109.0	H	171.0	25.8
868.180000	36.97	46.00	9.03	1000.0	120.000	150.0	H	230.0	26.1

1.3. Radiated Field Strength Emissions – 1 GHz to 18 GHz

4.01_1-18G

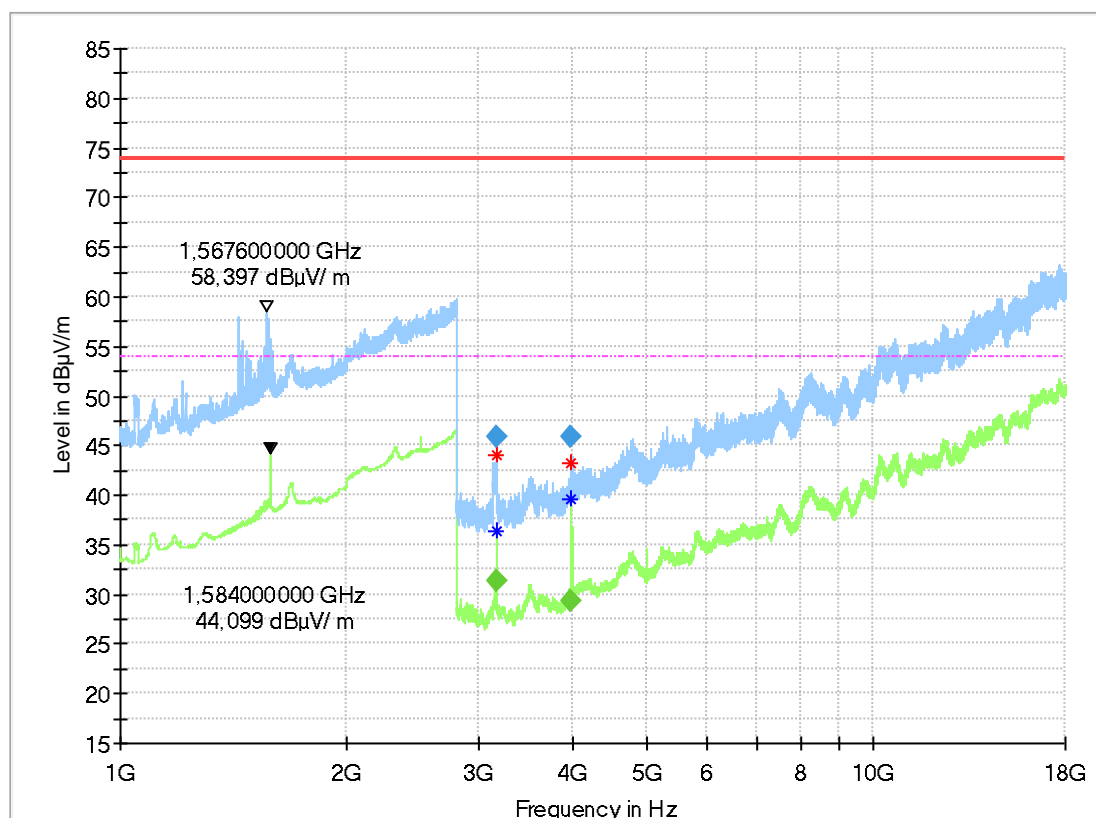
Common Information

Test Description:	Radiated Field Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	15B_WiFi-OFF_Heating-40°C_Blender_On
Equipment Class:	Class B
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	RLs

EUT Information

Manufacturer:	Vorwerk Elektroware GmbH + Co. KG
Model:	thermomix
Type:	Household equipment with WLAN
HW:	13
SW:	0.18.109-201808300615
Serial Nr.:	18434212024100415
Power Supply:	120V AC

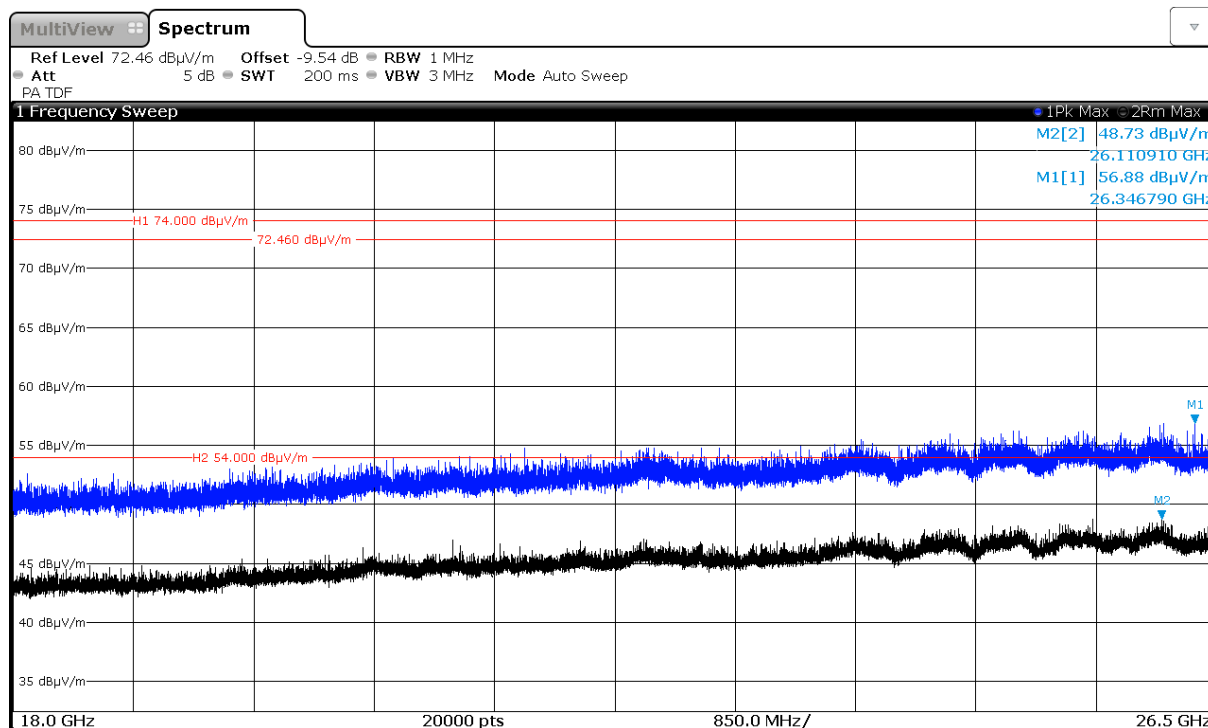
Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Correction (dB)
3167.620000	---	31.40	54.00	22.60	100.0	1000.000	H	268.0	0.0	-0.3
3167.620000	45.93	---	74.00	28.07	100.0	1000.000	V	305.0	0.0	-0.3
3959.460000	---	29.27	54.00	24.73	100.0	1000.000	H	253.0	0.0	1.4
3959.500000	45.78	---	74.00	28.22	100.0	1000.000	H	264.0	0.0	1.4

1.4. Radiated Field Strength Emissions – 18 GHz to 26.5 GHz



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