

Annex 1: Measurement diagrams 19-1-0200601T11a-A1-C01

Number of pages:	9	Date of Report:	2021-Jan-25
Testing company:	CETECOM GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	Eppendorf AG
Test Object / Tested Device(s):	Touch server to handle electronic pipettes of Eppendorf Xplorer® family via WiFi, VisioNize® pipette manager		
FCC ID:	2AXZD4861490500	IC:	26635-4861490500
Testing has been carried out in accordance with:	FCC Regulations: Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.107, §15.109 (Class B limits) ISED Regulations: ICES-003, Issue 6 (2016+Update 2019)		



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1 Measurement diagrams

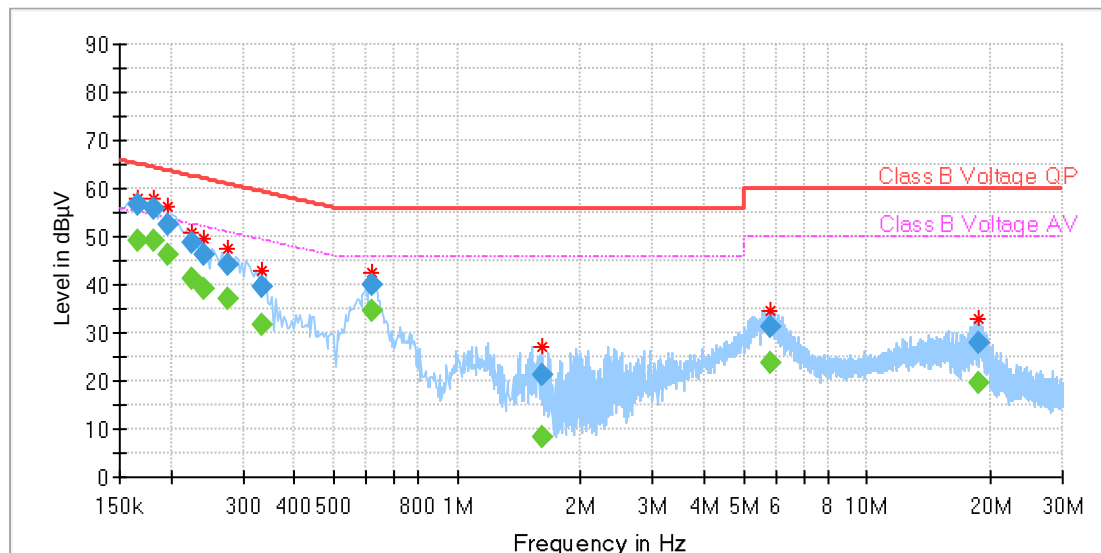
1.01

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 Standard:	FCC 15.107, FCC 15.207
Operating Mode:	Test mode
Measured on line:	N/L1
Diagram details:	Shows the peak values as a sum of measured ports in maxhold mode
Environmental Conditions:	Humidity : 40% rH; Temperature: 23 °C
Operator:	HLa
Verdict:	Passed

EUT Information

PMT number:	20-1-02006S26_C01
	Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	PE	Corr. (dB)
0.165625	56.74	---	65.18	8.44	15000.0	9.000	N	GND	0.1
0.165625	---	49.18	55.18	6.00	15000.0	9.000	N	GND	0.1
0.181250	---	49.32	54.43	5.11	15000.0	9.000	L1	GND	0.1
0.181250	55.75	---	64.43	8.68	15000.0	9.000	L1	GND	0.1
0.196875	52.49	---	63.74	11.25	15000.0	9.000	N	GND	0.1
0.196875	---	46.16	53.74	7.58	15000.0	9.000	N	GND	0.1
0.224219	---	41.33	52.66	11.33	15000.0	9.000	N	GND	0.1
0.224219	48.78	---	62.66	13.88	15000.0	9.000	N	GND	0.1
0.239844	---	39.03	52.10	13.07	15000.0	9.000	L1	GND	0.1
0.239844	46.40	---	62.10	15.70	15000.0	9.000	L1	GND	0.1
0.275000	---	37.03	50.97	13.94	15000.0	9.000	N	GND	0.1
0.275000	44.32	---	60.97	16.65	15000.0	9.000	N	GND	0.1
0.333594	---	31.73	49.36	17.63	15000.0	9.000	N	GND	0.1
0.333594	39.46	---	59.36	19.90	15000.0	9.000	N	GND	0.1
0.618750	---	34.57	46.00	11.43	15000.0	9.000	L1	GND	0.2
0.618750	40.20	---	56.00	15.80	15000.0	9.000	L1	GND	0.2
1.618750	---	8.31	46.00	37.69	15000.0	9.000	L1	GND	0.3
1.618750	21.22	---	56.00	34.78	15000.0	9.000	L1	GND	0.3
5.775000	---	23.76	50.00	26.24	15000.0	9.000	N	GND	0.3

5.775000	31.16	---	60.00	28.84	15000.0	9.000	N	GND	0.3
18.712500	---	19.44	50.00	30.56	15000.0	9.000	L1	GND	0.6
18.712500	28.12	---	60.00	31.88	15000.0	9.000	L1	GND	0.6

3.01_Laying

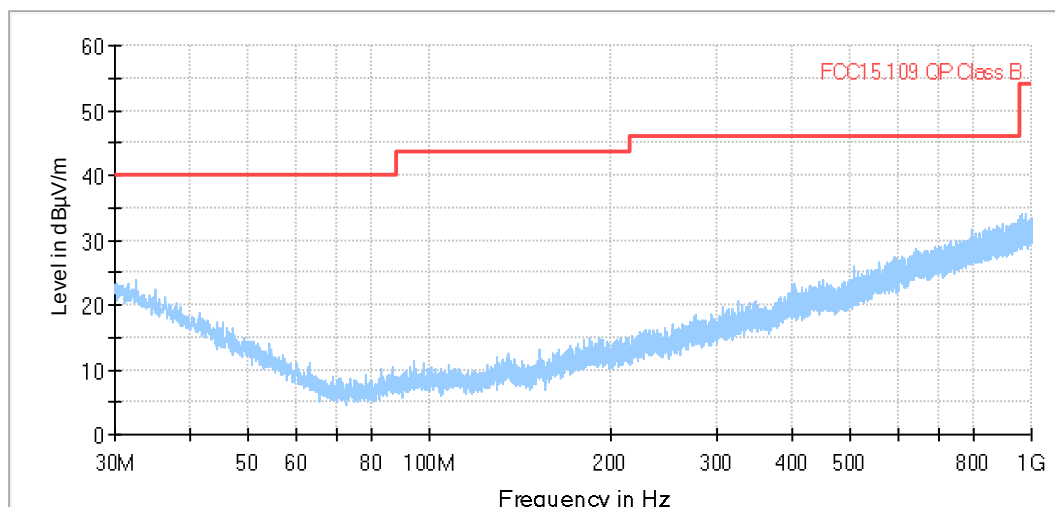
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	USB Connection beetwen Pipette and Pipette Manager + LAN connectin active
Environmental Conditions::	Humidity : 40% rH; Temperature: 20 °C
Operator:	JRi
Verdict:	Passed

EUT Information

PMT number:	19-1-02006S26_C01
Manufacturer:	Eppendorf AG

Full Spectrum



3.02_Standing

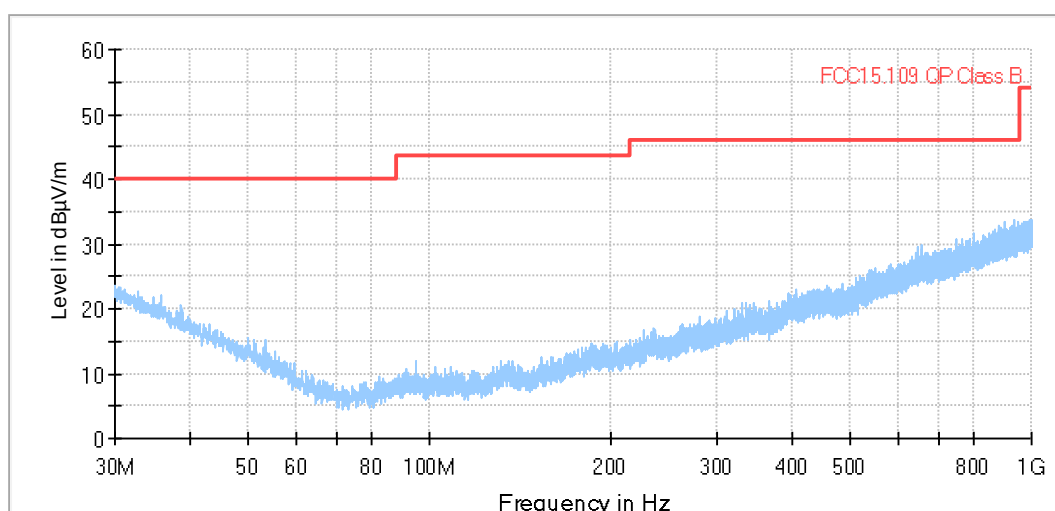
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	USB Connection beetwen Pipette and Pipette Manager + LAN connectin active
Environmental Conditions::	Humidity : 40% rH; Temperature: 20 °C
Operator:	JRi
Verdict:	Passed

EUT Information

PMT number:	19-1-02006S26_C01
Manufacturer:	Eppendorf AG

Full Spectrum



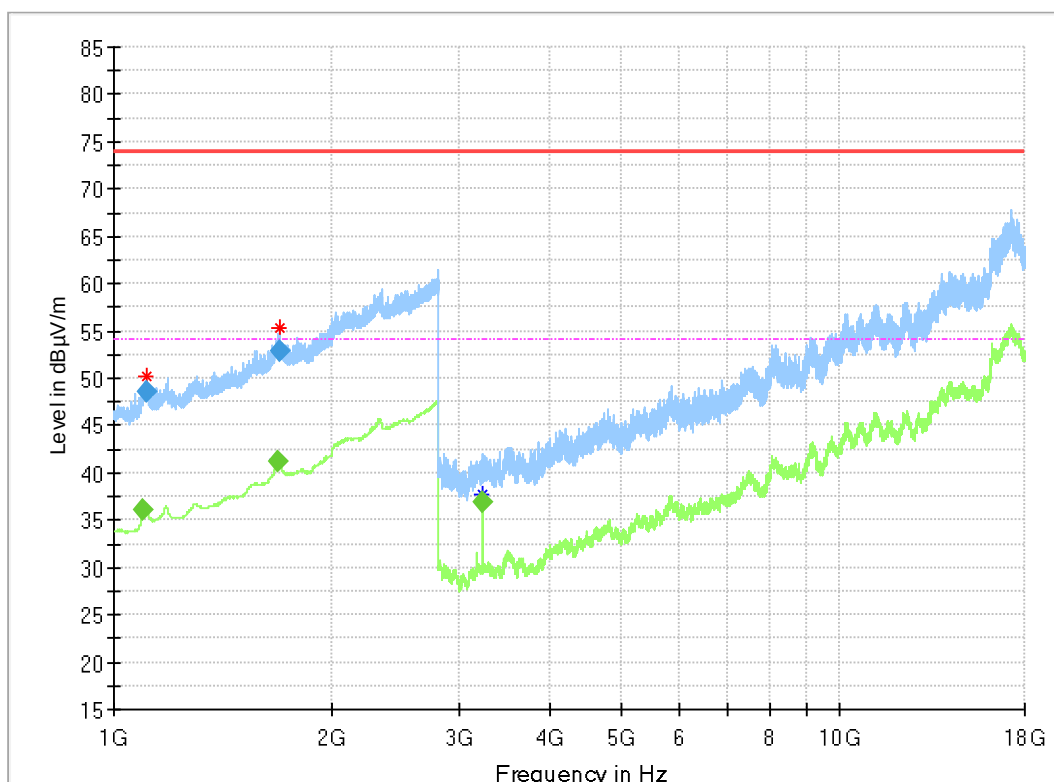
4.01

Common Information

Test Description:	Radiated Field Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	Test Mode
Equipment Class:	Class B
Environmental Conditions:	Humidity : 40% rH; Temperature: 19 °C
Operator:	TFA
EUT Setup:	1
Verdict:	Passed
Comment:	

EUT Information

PMT number:	19-1-02006S26_C01
Manufacturer:	Eppendorf AG
	Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
1099.460000	---	54.00	17.87	100.0	1000.000	H	341.0	0.0	29
1106.700000	48.63	74.00	25.37	100.0	1000.000	H	21.0	0.0	29
1685.300000	---	54.00	12.70	100.0	1000.000	V	44.0	0.0	34

1689.460000	52.88	74.00	21.12	100.0	1000.000	H	121.0	0.0	34
3215.980000	---	54.00	17.03	100.0	1000.000	V	82.0	0.0	2

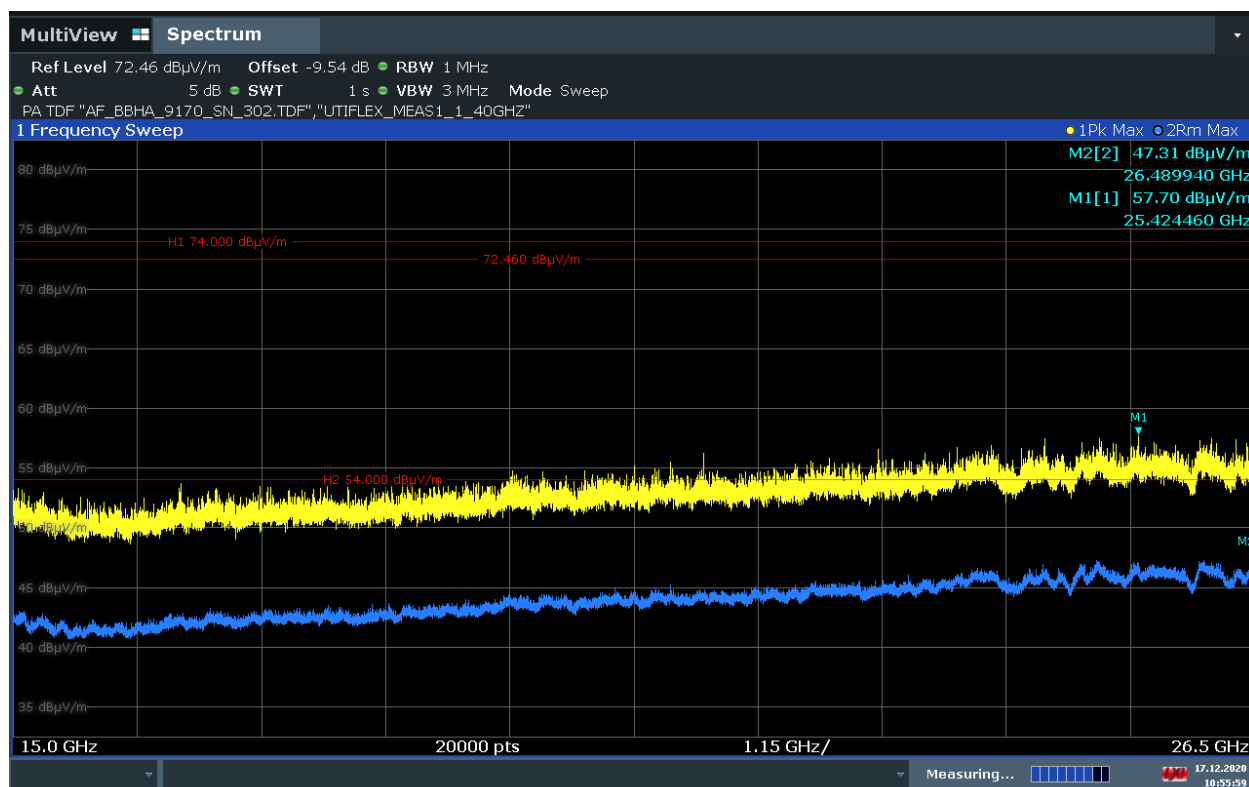
4.02

Common Information

Test Description:	Radiated Field Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC Part 15.109, class B / RSS-Gen., Issue 4
Operating Mode:	Test Mode
Equipment Class:	Class B
Environmental Conditions:	Humidity : 40% rH; Temperature: 19 °C
Operator:	TFA
EUT Setup:	1
Verdict:	Passed
Comment:	

EUT Information

PMT number:	19-1-02006S26_C01
Manufacturer:	Eppendorf AG



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End Of Annex 1

