

Annex 1: Measurement diagrams to Test Report 19-1-0202601T10a-C1-A1

Number of pages:	10	Date of Report:	2021-Jan-26
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
Product: Model:	WiFi-extension for handheld electronic pipettes of Eppendorf Xplorer® family Eppendorf Xplorer® connect		
FCC ID:	2AXZD4861490500	IC:	26635-4861490500
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter A §15.247 (DTS) ISED-Regulations RSS-Gen, Issue 5 RSS 247, Issue 2 Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		



Table of Contents

1 Measurement diagrams.....3

1 Measurement diagrams

1.1 Radiated measurements

2.01a_n-mode_ch06

Common Information

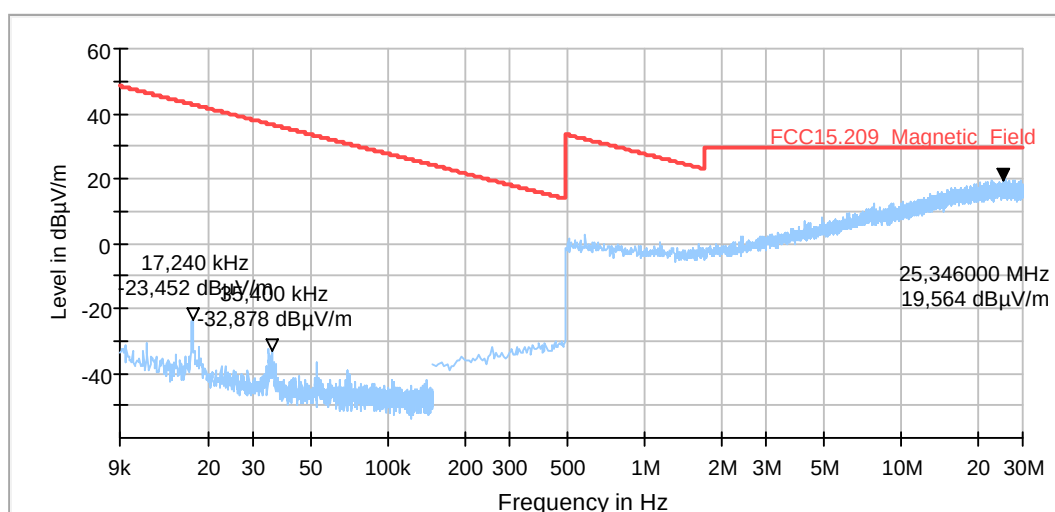
Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used Filter:	bypass
Test Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5

Operator:	npe
Operating Mode:	n-mode MCS0 ch06
Power during tests:	full loaded battery
Comment 1:	EUT laying
Comment 2:	-
Environmental Conditions::	Humidity : 40%rH; Temperature: 21°C
EUT Setup:	1
Verdict:	Passed
Comment:	Including 19-1-02026S08_C01

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG

Full Spectrum



2.01b_n-mode_ch06

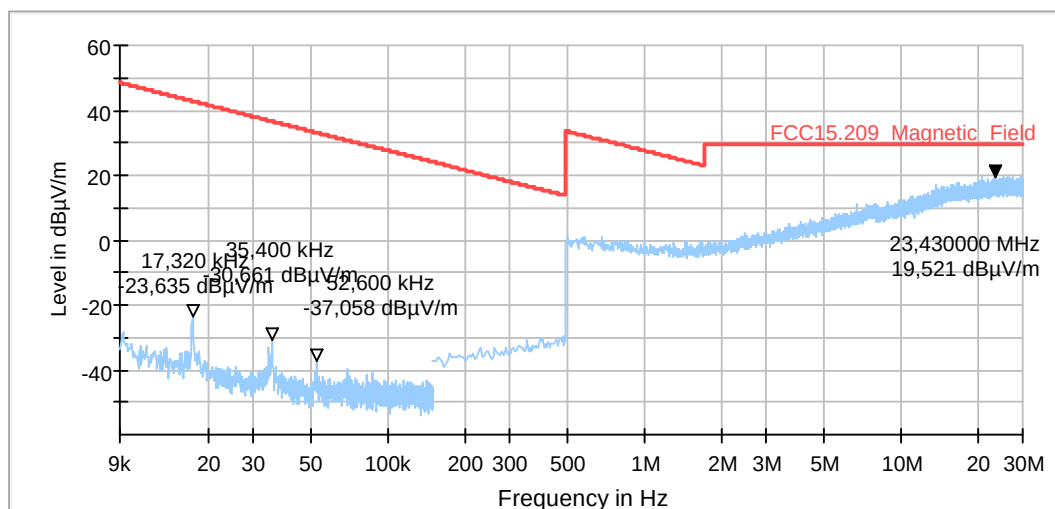
Common Information

Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.50.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used Filter:	bypass
Test Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	npe
Operating Mode:	n-mode MCS0 ch06
Power during tests:	full loaded battery
Comment 1:	EUT standing
Comment 2:	-
Environmental Conditions::	Humidity : 42%rH; Temperature: 20°C
EUT Setup:	Including 19-1-02026S08_C01
Verdict:	Passed
Comment:	-

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG

Full Spectrum



3.01a_n-mode_ch06

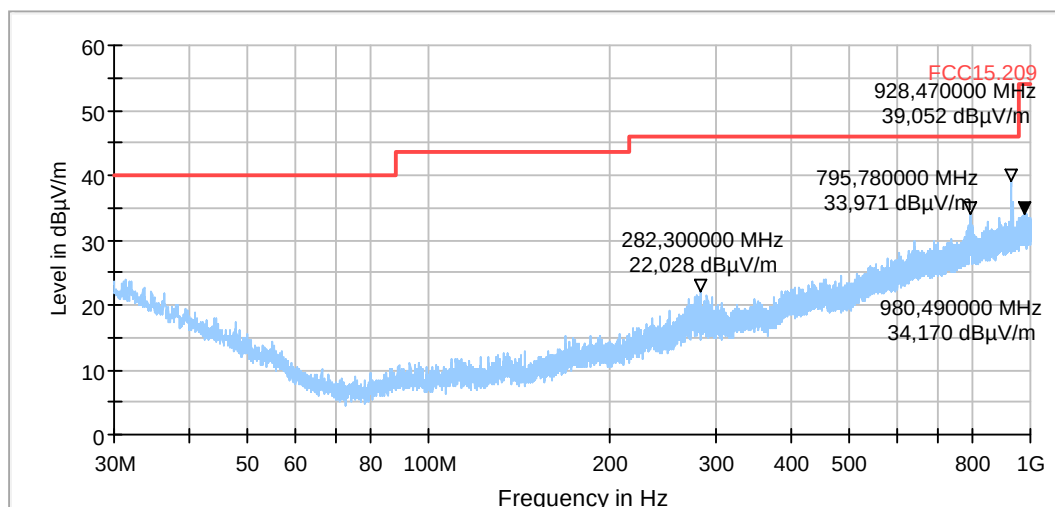
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 RSS Gen Issue 5 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity : 42%rH; Temperature: 20°C
Operator Name:	npe
EUT:	Including 19-1-02026S08_C01
Operating Mode:	n-mode MCS0 ch06
Power supply:	Battery
Comment:	EUT laying
Verdict:	Passed

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG

Full Spectrum



Remark: The peaks at 795 and 928 MHz are known external disturbances and do not come from EUT.

3.01b_n-mode_ch06

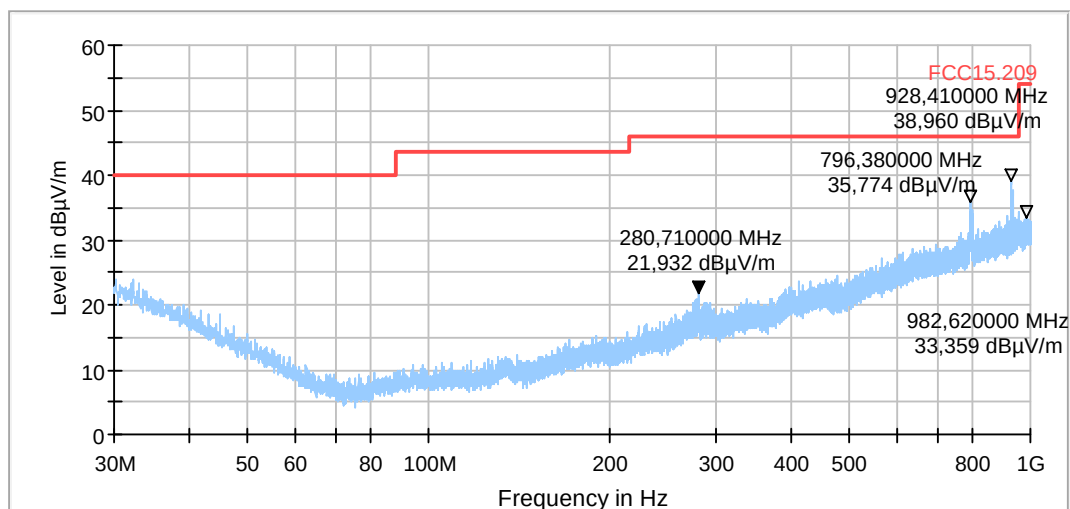
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 RSS Gen Issue 5 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Environmental Conditions:	Humidity : 40%rH; Temperature: 22°C
Operator Name:	npe
EUT:	Including 19-1-02026S08_C01
Operating Mode:	n-mode MCS0 ch06
Power supply:	Battery
Comment:	EUT standing
Verdict:	Passed

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG

Full Spectrum



Remark: The peaks at 796 and 928 MHz are known external disturbances and do not come from EUT.

4.01a_n-mode_ch06

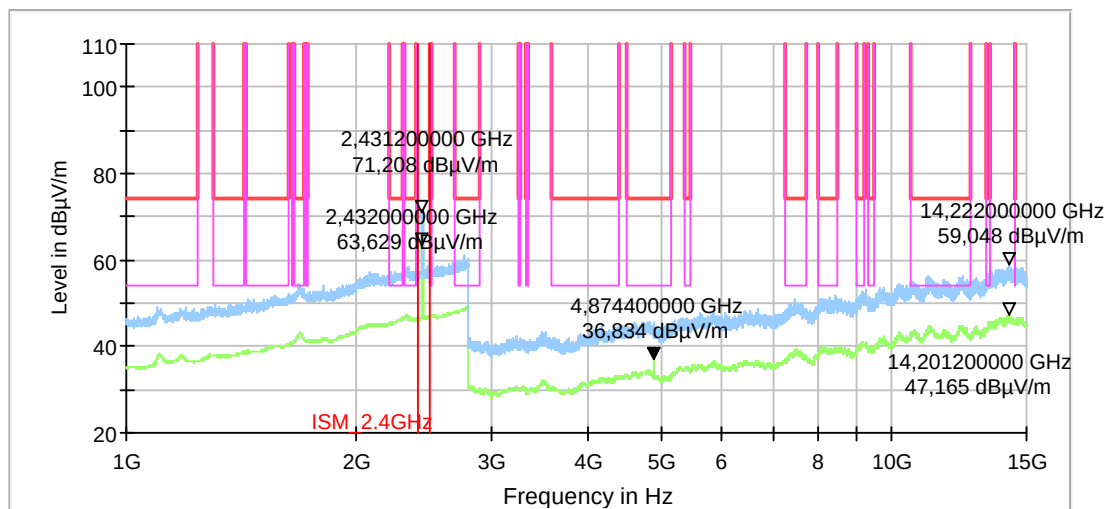
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Antenna polarisation:	horizontal/vertical
Operating Mode:	n-mode MCS0 ch06
Operator:	TFra
Comment:	Channel no. mid
Comment2:	Including 19-1-02026S08_C01
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG

Full Spectrum



4.01b_n-mode_ch06

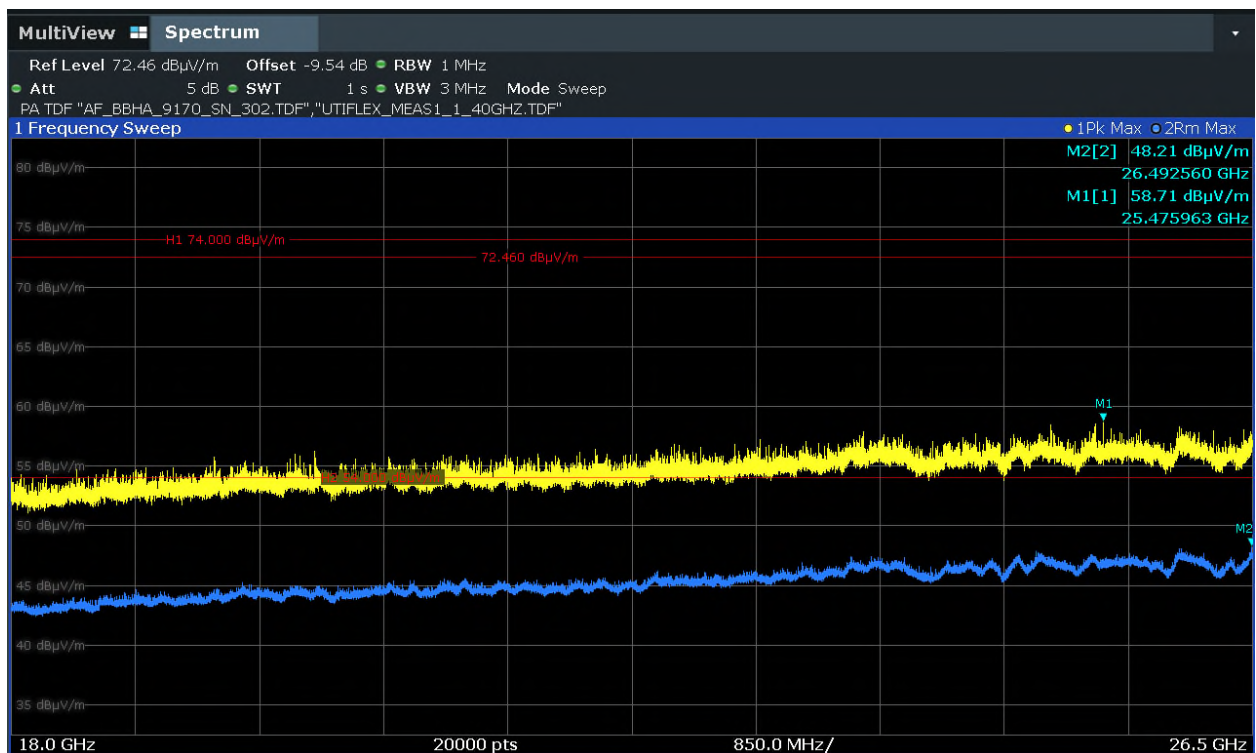
Common Information

Test Description: Radiated field strength emission in 3m distance
 Test Site: Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
 Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
 Antenna polarisation: horizontal/vertical

Operating Mode: n-mode | MCS0 | ch06
 Operator: TFra
 Comment: Channel no. mid
 Comment2: Including 19-1-02026S08_C01
 EUT Setup: 1
 Verdict: Passed

EUT Information

PMT number: 19-1-02026S22_C01
 Manufacturer: Eppendorf AG



1.2 Conducted measurements

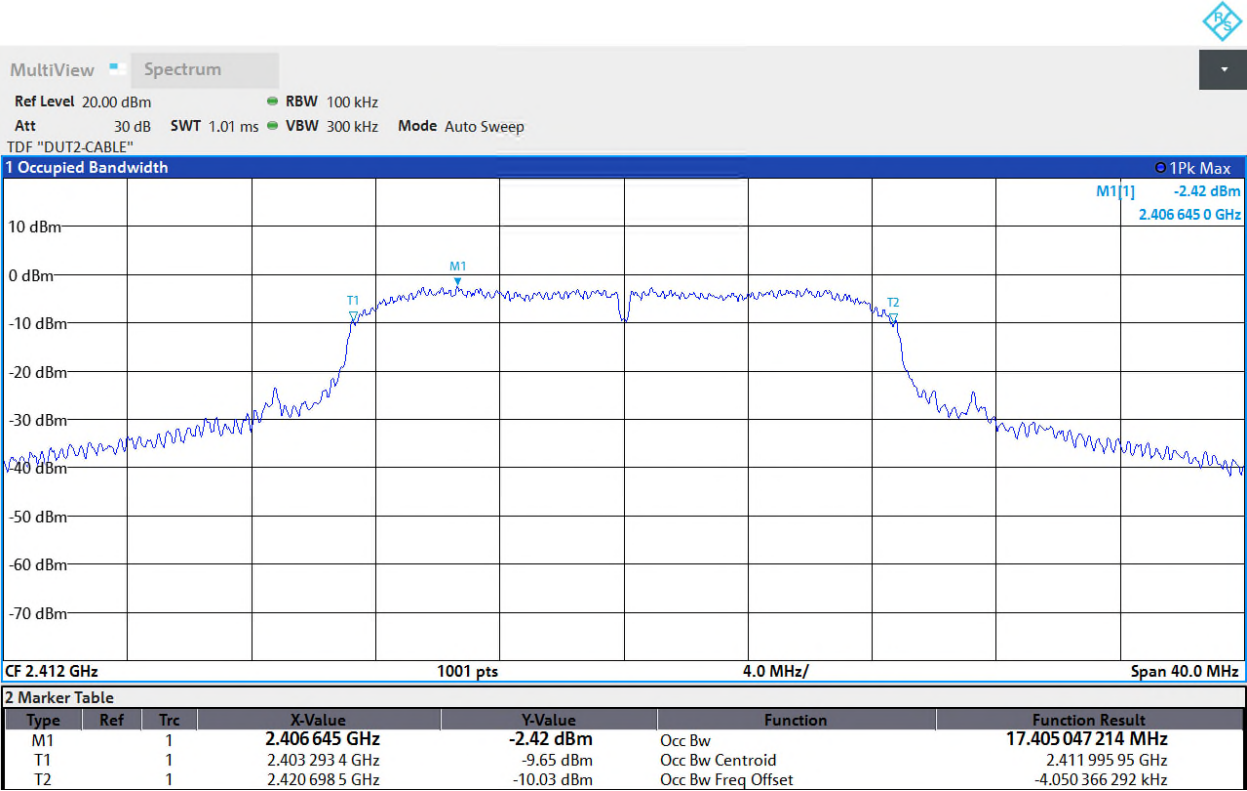
9.01_n-mode_ch01

Common Information

Test Description:	Band-Edge: Conducted
Test Site:	Radio Lab 1
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Operating Mode:	n-mode MCS0 ch01
Verdict:	Passed
Comment:	Including 19-1-02026S63_C01

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG



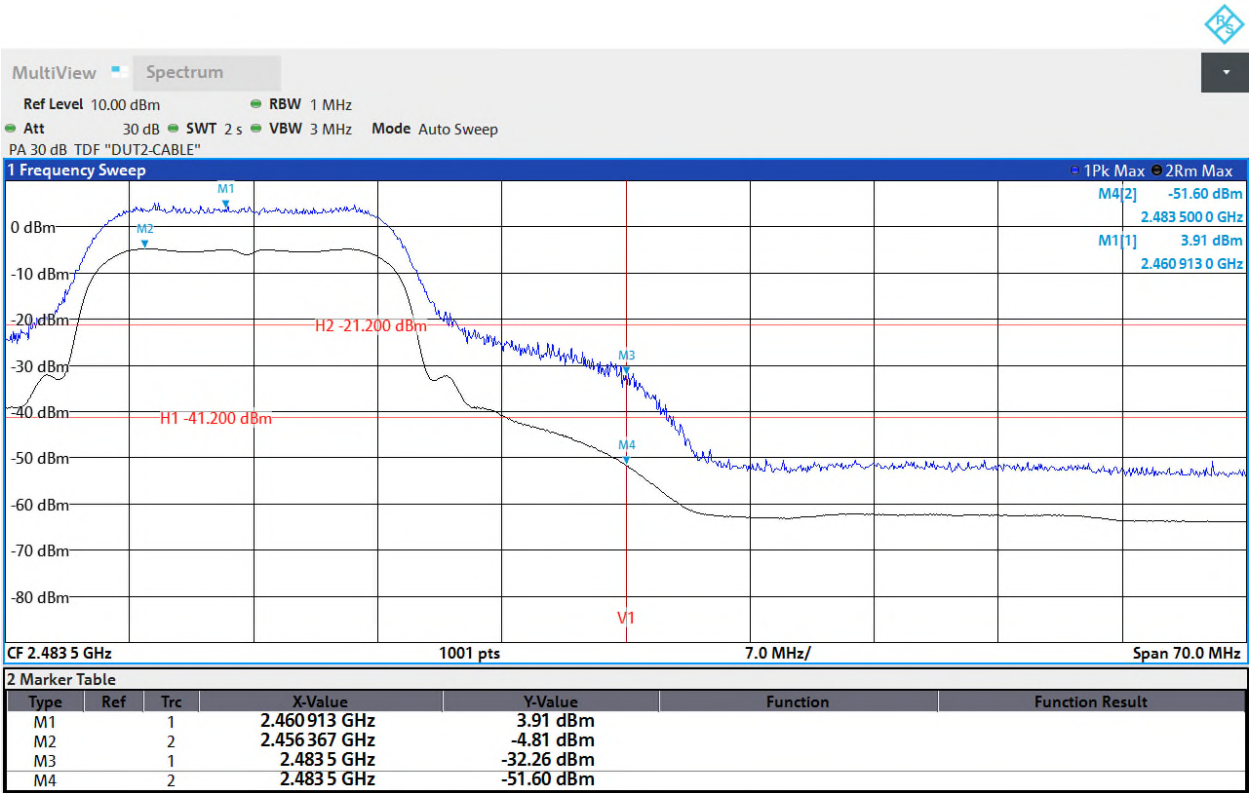
9.02_n-mode_ch11

Common Information

Test Description:	Band-Edge: Conducted
Test Site:	Radio Lab 1
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 5
Operating Mode:	n-mode MCS0 ch11
Verdict:	Passed
Comment:	Including 19-1-02026S63_C01

EUT Information

PMT number:	19-1-02026S22_C01
Manufacturer:	Eppendorf AG



End Of Annex 1