

Annex 4: Diagrams to  
PARTIAL TEST REPORT  
No.: 2-20823278n/13

According to:  
**FCC Regulations**  
Part 15.109, Part15.407

for  
**Sony Mobile Communications**

**Tablet PC**  
(W-LAN 5GHz)

FCC-ID: PY7TM-0042

Laboratory Accreditation and Listings			
 <p><b>DAkkS</b> Deutsche Akkreditierungsstelle D-PL-12047-01-01</p>	 <p>FEDERAL COMMUNICATIONS COMMISSION <b>FC</b> USA</p> <p>Reg. No.: 736496 MRA US-EU 0003</p>	 <p>Industry Canada</p> <p>Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3</p>	 <p>Voluntary Controls for Electromagnetic Emissions</p> <p>Reg. No.: R-2666 C-2914, T-1967, G-301</p>
 <p><b>WiFi</b> ALLIANCE</p> <p><b>AUTHORIZED RF LABORATORY</b></p>	 <p><b>CTIA Authorized Test Lab</b> LAB CODE 20011130-00</p>		
accredited according to DIN EN ISO/IEC 17025			
<p align="center"><b>CETECOM GmbH</b> Laboratory Radio Communications &amp; 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>			

## Table of contents

<b>1. MAGNETIC FIELD STRENGTH MEASUREMENTS <math>F &lt; 30\text{MHz}</math></b> .....	<b>4</b>
1.1. Channel 36 (a-Mode, 36Mbps data rate) .....	4
1.2. Channel 64 (a-Mode, 6Mbps data rate) .....	5
1.3. Channel 140 (AC20-Mode, MCS7 data rate) .....	6
1.4. Channel 62 (AC40-Mode, MCS3 data rate) .....	7
1.5. Channel 58 (AC80-Mode, MCS9 data rate) .....	8
<b>2. RADIATED FIELD STRENGTH MEASUREMENTS <math>30\text{MHz} &lt; F &lt; 1\text{GHz}</math></b> .....	<b>9</b>
2.1. Channel 36 (a-Mode, 36Mbps data rate) .....	9
2.2. Channel 64 (a-Mode, 6Mbps data rate) .....	10
2.3. Channel 140 (AC20-Mode, MCS7 data rate) .....	11
2.4. Channel 62 (AC40-Mode, MCS3 data rate) .....	12
2.5. Channel 58 (AC80-Mode, MCS0 data rate) .....	13
<b>3. RADIATED FIELD STRENGTH MEASUREMENTS <math>F &gt; 1\text{GHz}</math></b> .....	<b>14</b>
3.1. Channel 36 (a-Mode, 36Mbps) .....	14
3.2. Channel 48 (AC20-Mode, MCS4 data rate) .....	16
3.3. Channel 52 (AC20-Mode, MCS6 data rate) .....	18
3.4. Channel 64 (a-Mode, 6Mbps data rate) .....	20
3.5. Channel 100 (AC20-Mode, MCS6 data rate) .....	22
3.6. Channel 116 (a-Mode, 6Mbps) .....	24
3.7. Channel 140 (AC20-Mode, MCS7) .....	26
3.8. Channel 38 (AC40-Mode, MCS7 data rate) .....	28
3.9. Channel 46 (AC40-Mode, MCS3 data rate) .....	30
3.10. Channel 54 (AC40-Mode, MCS6 data rate) .....	32
3.11. Channel 62 (AC40-Mode, MCS3 data rate) .....	34
3.12. Channel 102 (AC40-Mode, MCS4 data rate) .....	36
3.13. Channel 134 (AC40-Mode, MCS7 data rate) .....	38
3.14. Channel 42 (AC80-Mode, MCS0 data rate) .....	40
3.15. Channel 58 (AC80-Mode, MCS0 data rate) .....	42
3.16. Channel 106 (AC80-Mode, MCS0 data rate) .....	44
<b>4. RADIATED FIELD STRENGTH MEASUREMENTS <math>18\text{GHz} &lt; F &lt; 40\text{GHz}</math></b> .....	<b>46</b>
4.1. Channel 36 (A-Mode, 36Mbit data rate) .....	46
4.2. Channel 64 (A-Mode, 6Mbit data rate) .....	47
4.3. Channel 116 (A-Mode, 6Mbit data rate) .....	48
4.4. Channel 140 (AC20-Mode, MCS7 data rate) .....	49
4.5. Channel 38 (AC40-Mode, MCS7 data rate) .....	50
4.6. Channel 54 (AC40-Mode, MCS6 data rate) .....	51
4.7. Channel 134 (AC40-Mode, MCS7 data rate) .....	52
4.8. Channel 58 (AC80-Mode, MCS0 data rate) .....	53
4.9. Channel 106 (AC80-Mode, MCS0 data rate) .....	54
<b>5. RADIATED BAND-EDGE MEASUREMENTS ACCORD. §15.209 &amp; §15.205 &amp; §15.407</b> .....	<b>55</b>
5.1. Channel 36 (a-Mode, 36Mbit data rate) .....	55
5.2. Channel 48 (AC20-Mode, MCS4 data rate) .....	56
5.3. Channel 52 (AC20-Mode, MCS6 data rate) .....	57
5.4. Channel 64 (a-Mode, 6Mbit) .....	58
5.5. Channel 100 (AC20-Mode, MCS6) .....	59
5.6. Channel 140 (AC20-Mode, MCS7) .....	60
5.7. Channel 38 (AC40-Mode, MCS7) .....	61
5.8. Channel 46 (AC40-Mode, MCS3) .....	62
5.9. Channel 54 .....	63
5.10. Channel 62 .....	64
5.11. Channel 102 .....	65
5.12. Channel 134 .....	66
5.13. Channel 42 .....	67
5.14. Channel 58 .....	68

5.15. Channel 106.....	69
<b>6. RADIATED EMI MEASUREMENTS ACCORD. §15.109 CLASS B.....</b>	<b>70</b>
6.1. Frequency range 30MHz to 1000MHz .....	70
6.2. Frequency range 1GHz to 16GHz .....	72

# 1. Magnetic field strength measurements $f < 30\text{MHz}$

## 1.1. Channel 36 (a-Mode, 36Mbps data rate)

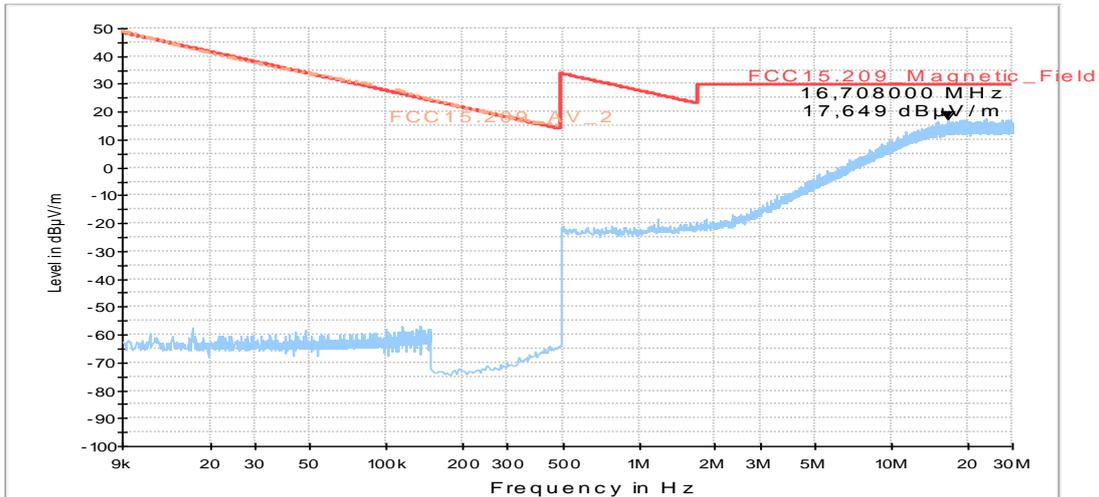
### Diagram No. 2.01\_Ch36\_aMode\_6MBit

Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
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 specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3	
Operator:	KRe	
Operating conditions:	TX-on continuous, 6MBit, a-Mode	
Power during tests:	12V DC, 110V/60Hz, full loaded batteries	
Comment 1:	Channel 36	
Comment 2:		

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

FCC 15.209\_magn hor+vert



## 1.2. Channel 64 (a-Mode, 6Mbps data rate)

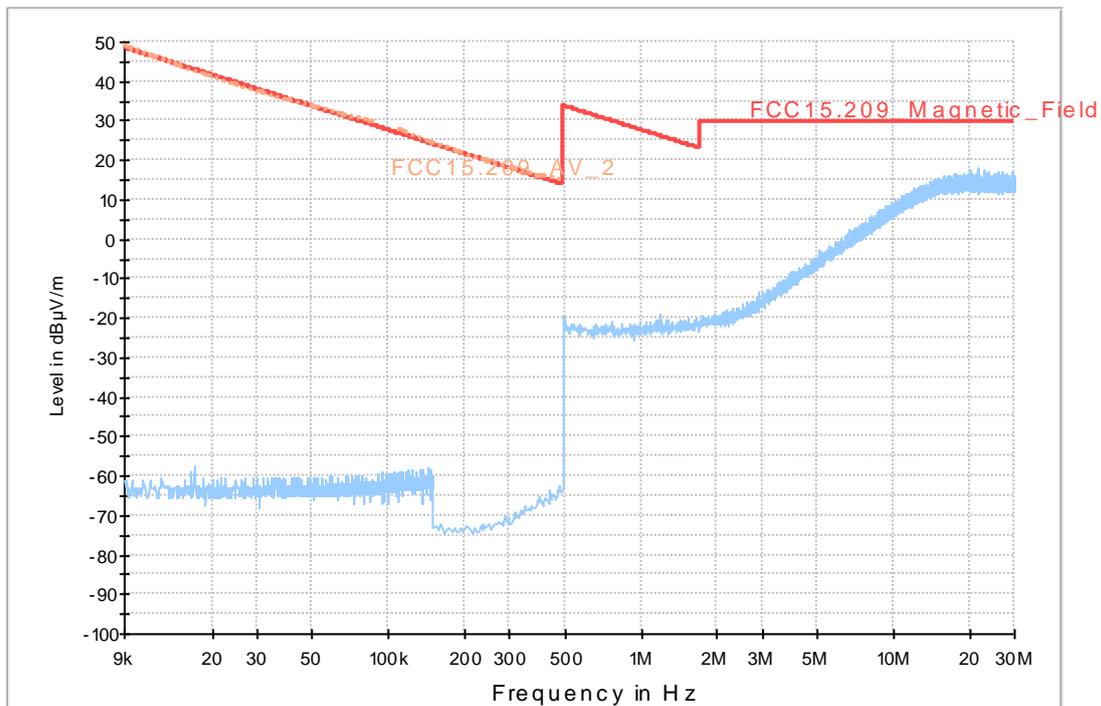
### Diagram No. 2.02\_Ch64\_aMode\_6MBit

Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
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 specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3	
Operator:	KRe	
Operating conditions:	TX-on continuous, 6MBit, a-Mode	
Power during tests:	12V DC, 110V/60Hz, full loaded batteries	
Comment 1:	Channel 64	
Comment 2:		

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

FCC 15.209\_magn hor+vert



### 1.3. Channel 140 (AC20-Mode, MCS7 data rate)

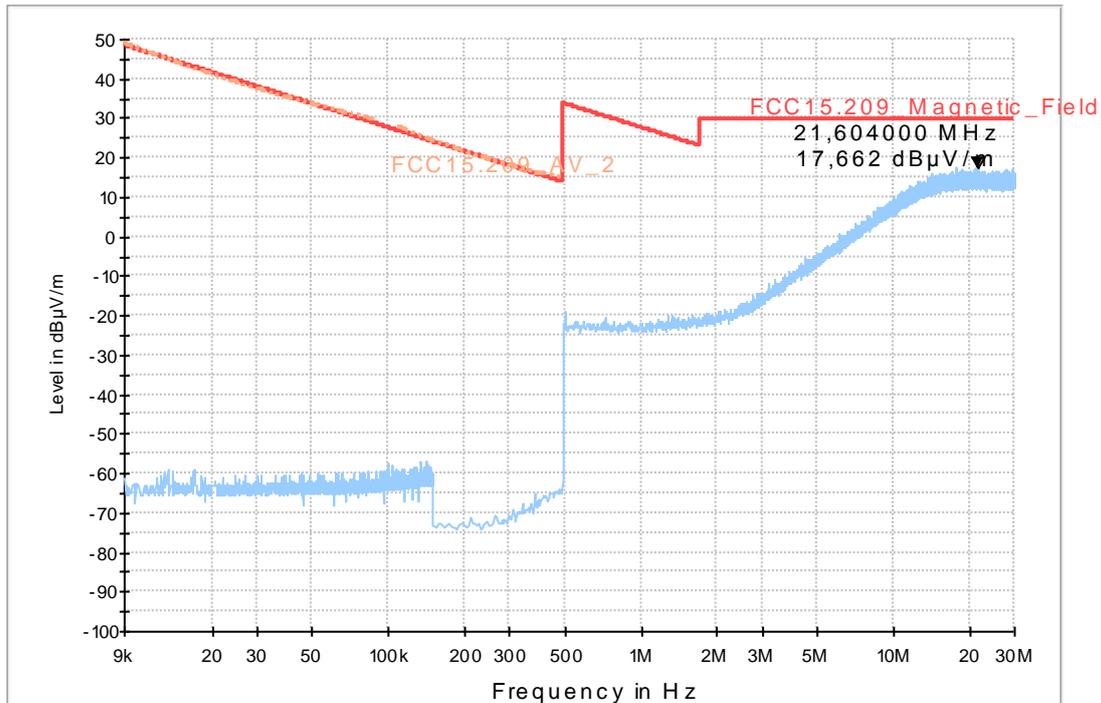
## Diagram No. 2.03\_Ch140\_ac20Mode\_MCS7

Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
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 specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3	
Operator:	KRe	
Operating conditions:	TX-on continuous, MCS7, ac20-Mode	
Power during tests:	12V DC, 110V/60Hz, full loaded batteries	
Comment 1:	Channel 140	
Comment 2:		

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

FCC15.209\_magn hor+vert



### 1.4. Channel 62 (AC40-Mode, MCS3 data rate)

## Diagram No. 2.04\_Ch62\_ac40Mode\_MCS3

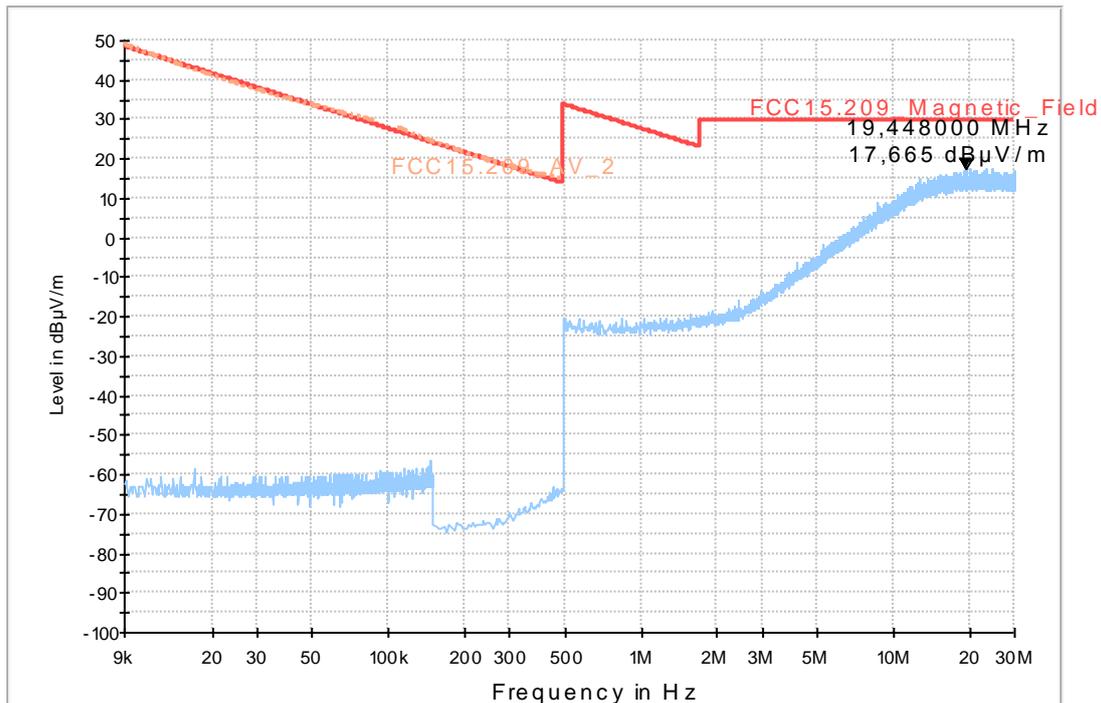
Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Filed strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	used accord. table, pls. see test report	
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 specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3	

Operator:	KRe
Operating conditions:	TX-on continuous, MCS3, ac40-Mode
Power during tests:	12V DC, 110V/60Hz, full loaded batteries
Comment 1:	Channel 62
Comment 2:	

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

FCC15.209\_magn hor+vert



1.5. Channel 58 (AC80-Mode, MCS9 data rate)

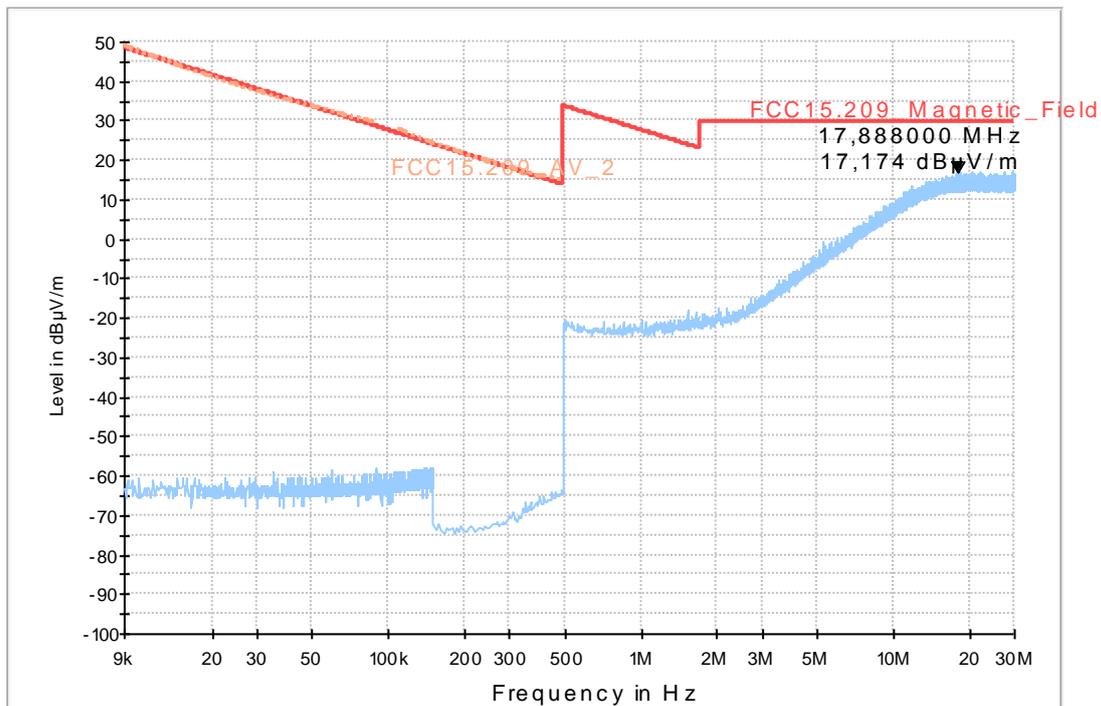
**Diagram No. 2.05\_Ch58\_ac80Mode\_MCS9**

Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Filed strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
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 specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 3	
Operator:	KRe	
Operating conditions:	TX-on continuous, MCS9, ac80-Mode	
Power during tests:	12V DC, 110V/60Hz, full loaded batteries	
Comment 1:	Channel 58	
Comment 2:		

**EUT Information**

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

FCC 15.209\_magn hor+vert



## 2. Radiated field strength measurements 30MHz<f<1GHz

### 2.1. Channel 36 (a-Mode, 36Mbps data rate)

#### Diagram No. 3.01\_Ch36\_aMode\_36MBit

14.03.2014 Page 1 of 1  
 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 V8.51.0  
 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: ABA  
 Operating conditions: WLAN  
 Power during tests: 120V 60Hz  
 Comment 1:

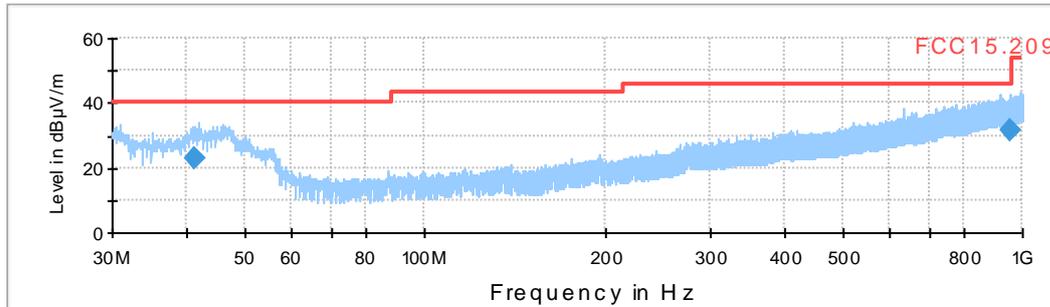
#### EUT Information

Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC

-----  
 EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test

Comments: -

01\_FCC15.209\_hor+vert\_kipp



#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
41.250000	22.9	1000.0	120.000	277.0	H	298.0	90.0	17.0	17.10
...	...	...	...	...	...	...	...	...	...

(continuation of the "Final Result 1" table from column 10 ...)

Frequency	Limit (dBµV/m)
41.250000	40.00
...	...

## 2.2. Channel 64 (a-Mode, 6Mbps data rate)

### Diagram No. 3.02\_Ch64\_aMode\_6MBit

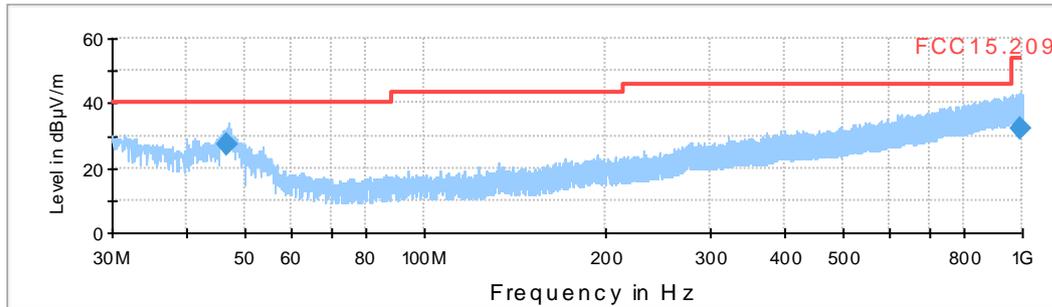
14.03.2014 Page 1 of 1  
 Test description: Electric Filed strength Measurement  
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance  
 Version of Testsoftware: EMC32 V8.51.0  
 Distance correction: not used  
 Used filter: not used  
 Technical Data: please see page 2 for detailed data of measurement setup  
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

Operator: ABA  
 Operating conditions: WLAN  
 Power during tests: 120V 60Hz  
 Comment 1:

#### EUT Information

Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC  
 -----  
 EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test  
 Comments: -

01\_FCC15.209\_hor+vert\_kipp



#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
46.590000	27.0	1000.0	120.000	105.0	V	277.0	90.0	14.8	13.00
...	...	...	...	...	...	...	...	...	...

(continuation of the "Final Result 1" table from column 10 ...)

Frequency	Limit (dBµV/m)
46.590000	40.00
...	...

### 2.3. Channel 140 (AC20-Mode, MCS7 data rate)

## Diagram No. 3.03\_Ch140\_ac20Mode\_MCS7

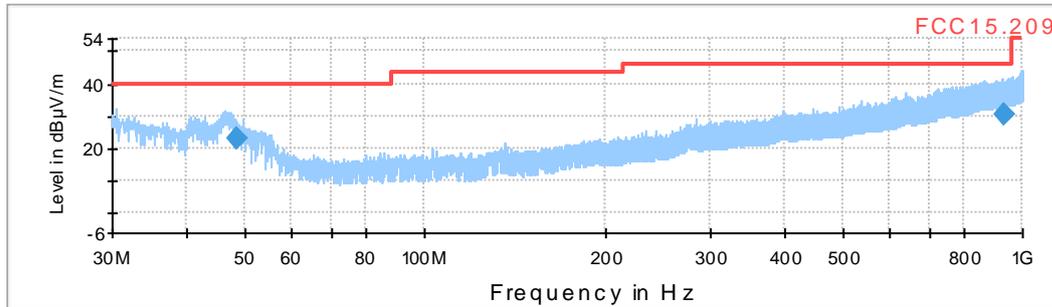
14.03.2014 Page 1 of 1  
 Test description: Electric Filed strength Measurement  
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance  
 Version of Testsoftware: EMC32 V8.51.0  
 Distance correction: not used  
 Used filter: not used  
 Technical Data: please see page 2 for detailed data of measurement setup  
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

Operator: ABA  
 Operating conditions: WLAN  
 Power during tests: 120V 60Hz  
 Comment 1:

#### EUT Information

Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC  
 -----  
 EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test  
 Comments: -

01\_FCC15.209\_hor+vert\_kipp



#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
48.440000	23.0	1000.0	120.000	105.0	V	291.0	0.0	14.2	17.00
...	...	...	...	...	...	...	...	...	...

(continuation of the "Final Result 1" table from column 10 ...)

Frequency	Limit (dBµV/m)
48.440000	40.00
...	...

## 2.4. Channel 62 (AC40-Mode, MCS3 data rate)

### Diagram No. 3.04\_Ch62\_AC40\_MCS3

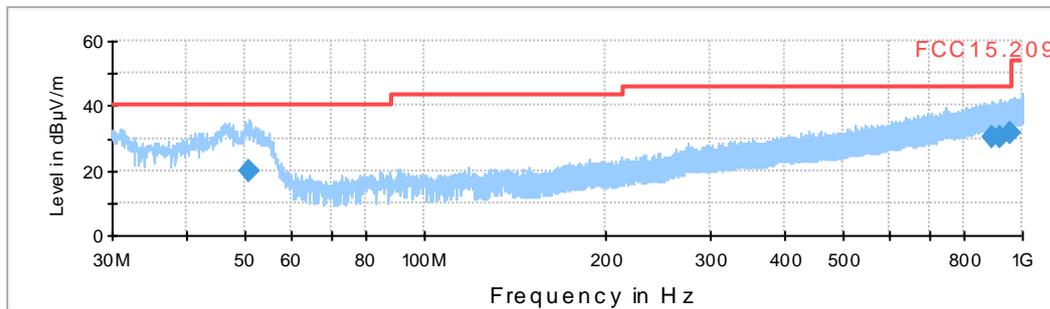
14.03.2014 Page 1 of 2  
 Test description: Electric Filed strength Measurement  
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance  
 Version of Testsoftware: 8.51.0  
 Distance correction: not used  
 Used filter: not used  
 Technical Data: please see page 2 for detailed data of measurement setup  
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

Operator: dpa  
 Operating conditions: WLAN 2,4GHz, Ch62, AC40, MCS3  
 Power during tests: 120V 60Hz  
 Comment 1:

#### EUT Information

Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC  
 -----  
 EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test  
 Comments: -

01\_FCC15.209\_hor+vert\_kipp



#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
50.730000	19.8	1000.0	120.000	105.0	V	246.0	90.0	13.3	20.20
891.050000	30.1	1000.0	120.000	200.0	V	283.0	0.0	26.8	15.90
916.030000	30.6	1000.0	120.000	300.0	H	198.0	0.0	27.3	15.40
955.550000	31.3	1000.0	120.000	350.0	H	2.0	0.0	27.5	14.70

(continuation of the "Final Result 1" table from column 10 ...)

Frequency	Limit (dBµV/m)
50.730000	40.00
891.050000	46.00
916.030000	46.00
955.550000	46.00

## 2.5. Channel 58 (AC80-Mode, MCS0 data rate)

### Diagram No. 3.05\_Ch58\_AC80\_MCS0

17.03.2014 Page 1 of 1  
 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: 8.51.0  
 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: dpa  
 Operating conditions: TX-on continuous, WLAN ac80, Ch58, MCS0  
 Power during tests: 120V 60Hz, battery fully charged  
 Comment 1:

#### EUT Information

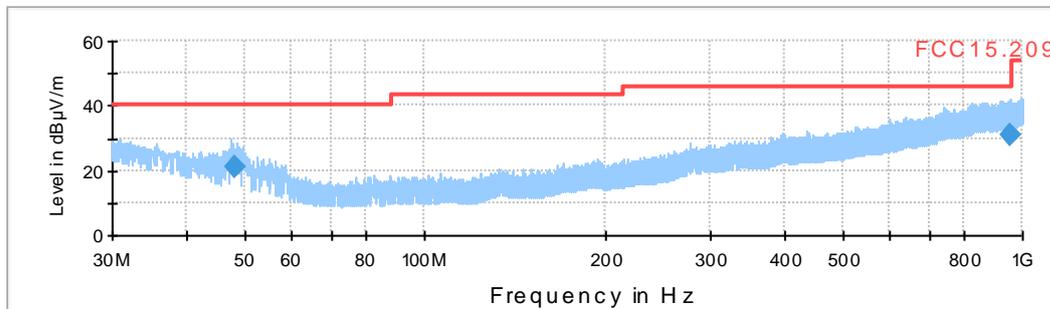
Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC

---

EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test

Comments: -

01\_FCC15.209\_hor+vert\_kipp



#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin - QPK (dB)
48.030000	20.8	1000.0	120.000	105.0	V	2.0	90.0	14.3	19.20
951.020000	31.1	1000.0	120.000	197.0	V	331.0	90.0	27.5	14.90

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Limit - QPK (dBµV/m)
48.030000	40.00
951.020000	46.00

### 3. Radiated field strength measurements f>1GHz

#### 3.1. Channel 36 (a-Mode, 36Mbps)

Diagram No.: 4.01\_Ch36\_aMode\_6Mbit

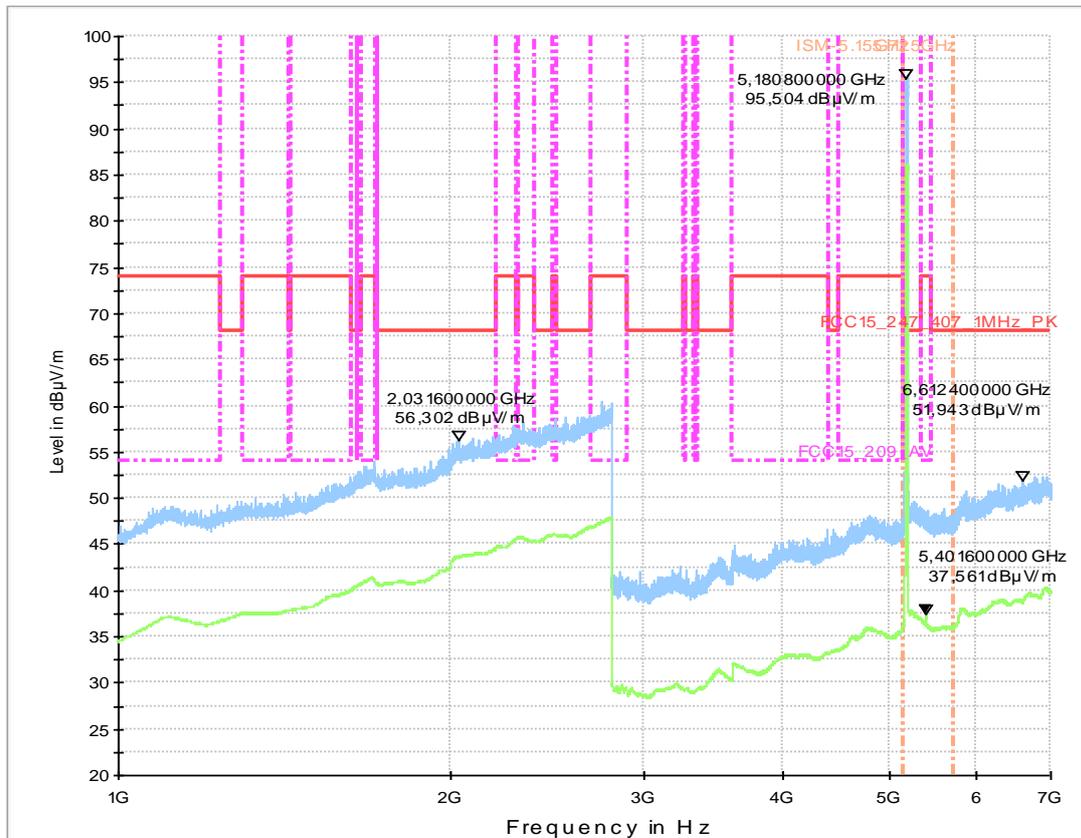
#### Common Information

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
Operation mode:	TX, continuous
Operator Name:	HLa
Comment:	Channel no. low=36, a-Mode, 20MHz

#### EUT Information

Manufacturer:	Sony Mobile Communications AB
EuT:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
	RSE #01
HW Version:	AP1
SW Version:	17.1.D.0.108
SVN:	-
Sereial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test. Device is powered via Power Supply & USB cable connected to 230VAC during test
Comments:	-

00431\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: 00431\_SM1\_KP1\_WLAN\_FCC15407

## Diagram No.: 4.01b\_Ch36\_aMode\_36MBit

### Common Information

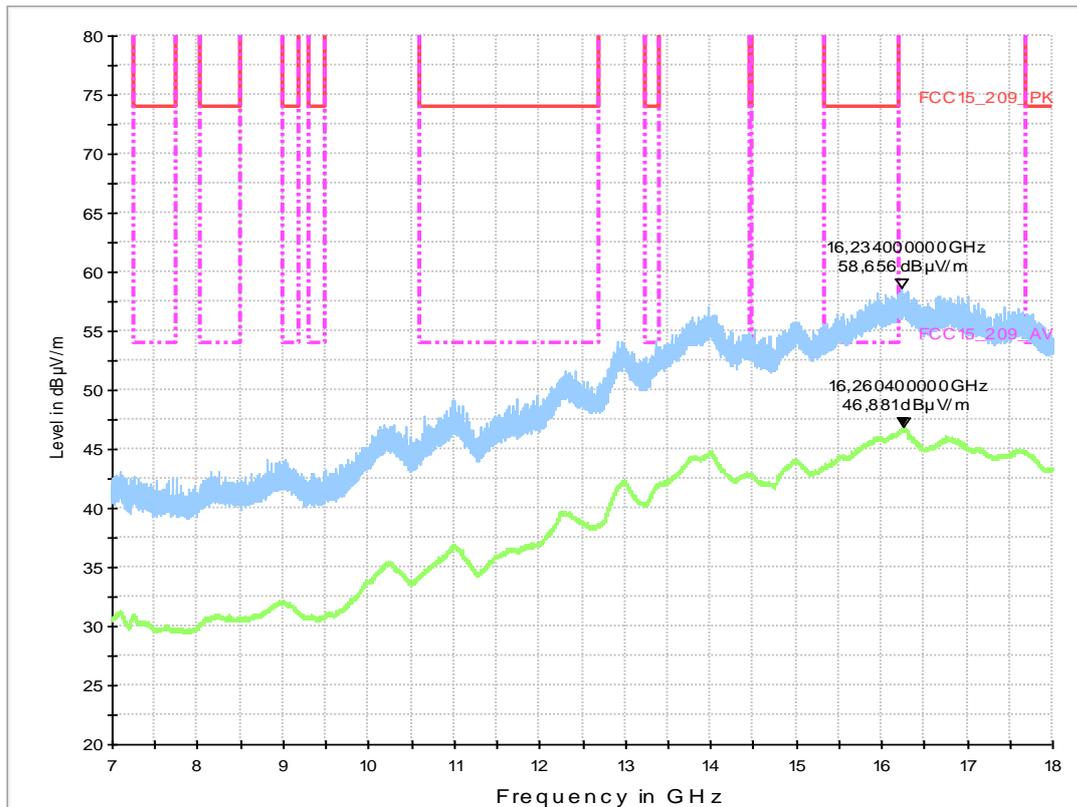
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, a-Mode, 36MB, Ch36
Operator Name:	кта
Comment:	Channel no. 36
Test Conditions:	Humidity: 33%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_WLAN\_FCC15247



### 3.2. Channel 48 (AC20-Mode, MCS4 data rate)

## Diagram No.: 4.02a\_Ch48\_ac20Mode\_MSC4

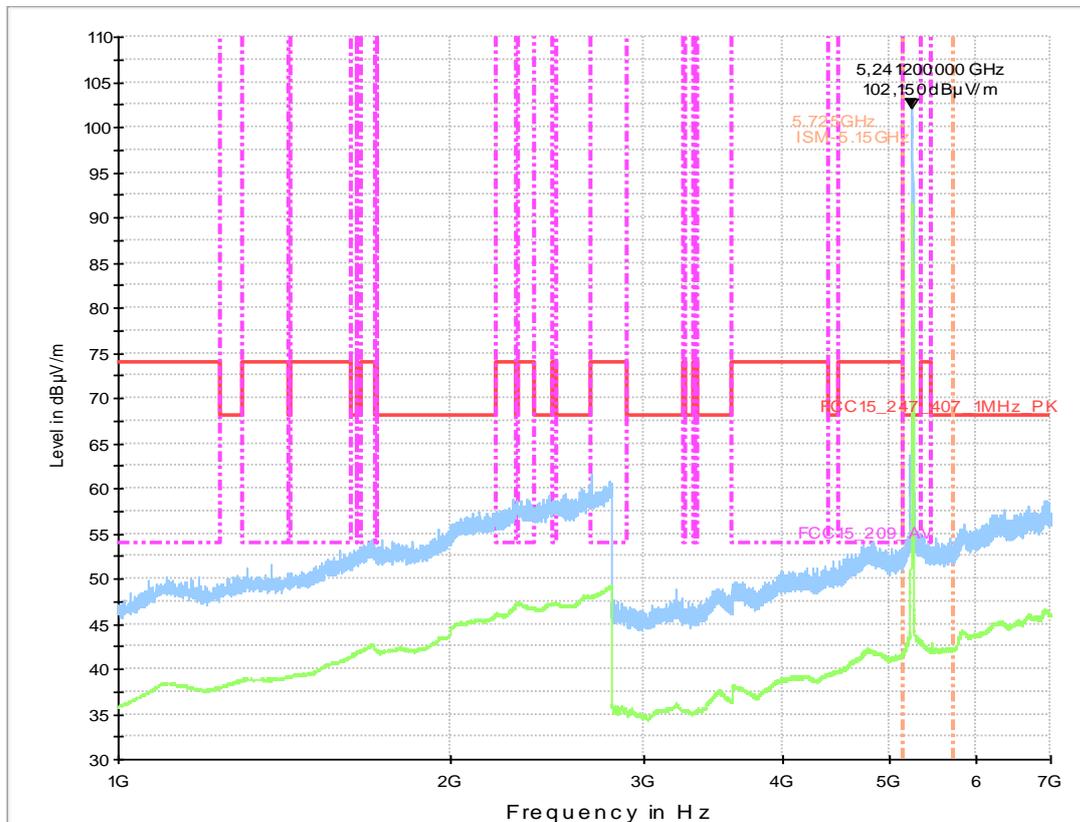
#### Common Information

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
Operation mode:	TX, continuous, MSC4, ac20-Mode
Operator Name:	ABA
Comment:	Channel no. 48

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: 00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407

## Diagram no. 4.02b\_Ch48\_AC20\_MCS4

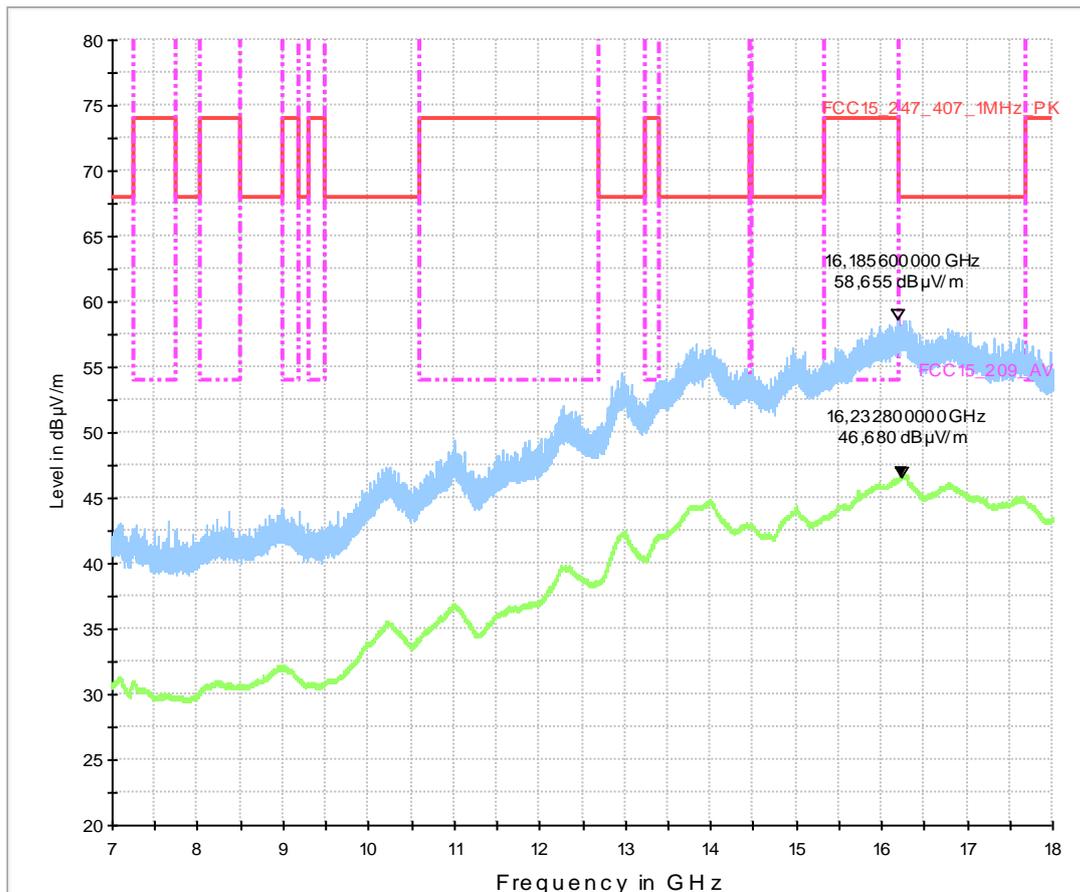
### Common Information

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
Operation mode:	TX, continuous, AC20-Mode, MCS4
Operator Name:	Lor
Comment:	Channel no. high=48

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: Sweep2\_SM1\_KP1\_WLAN\_FCC15407

### 3.3. Channel 52 (AC20-Mode, MCS6 data rate)

## Diagram No.: 4.03a\_Ch52\_AC20\_MCS6

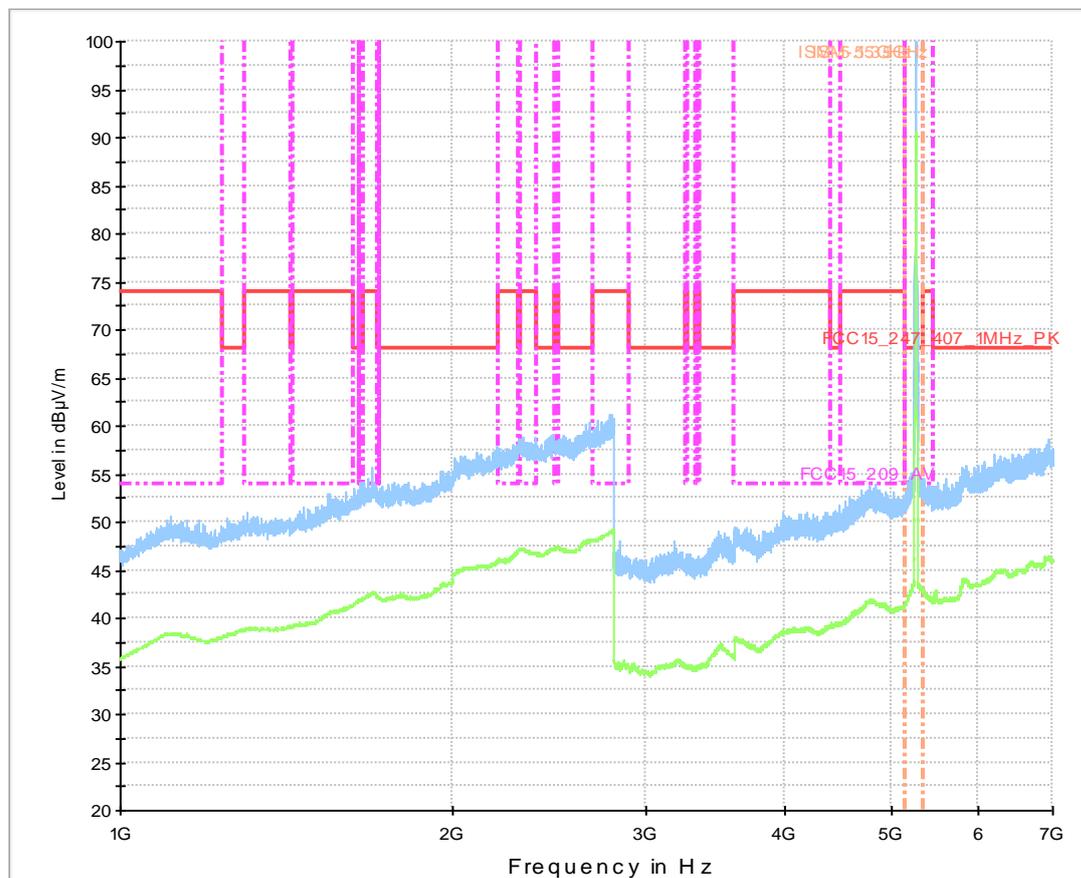
#### Common Information

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
Operation mode:	TX, continuous, MCS6, AC20-Mode
Operator Name:	кта
Comment:	Channel no. low=52
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(2)



## Diagram No.: 4.03b\_Ch52\_ac20Mode\_MCS6

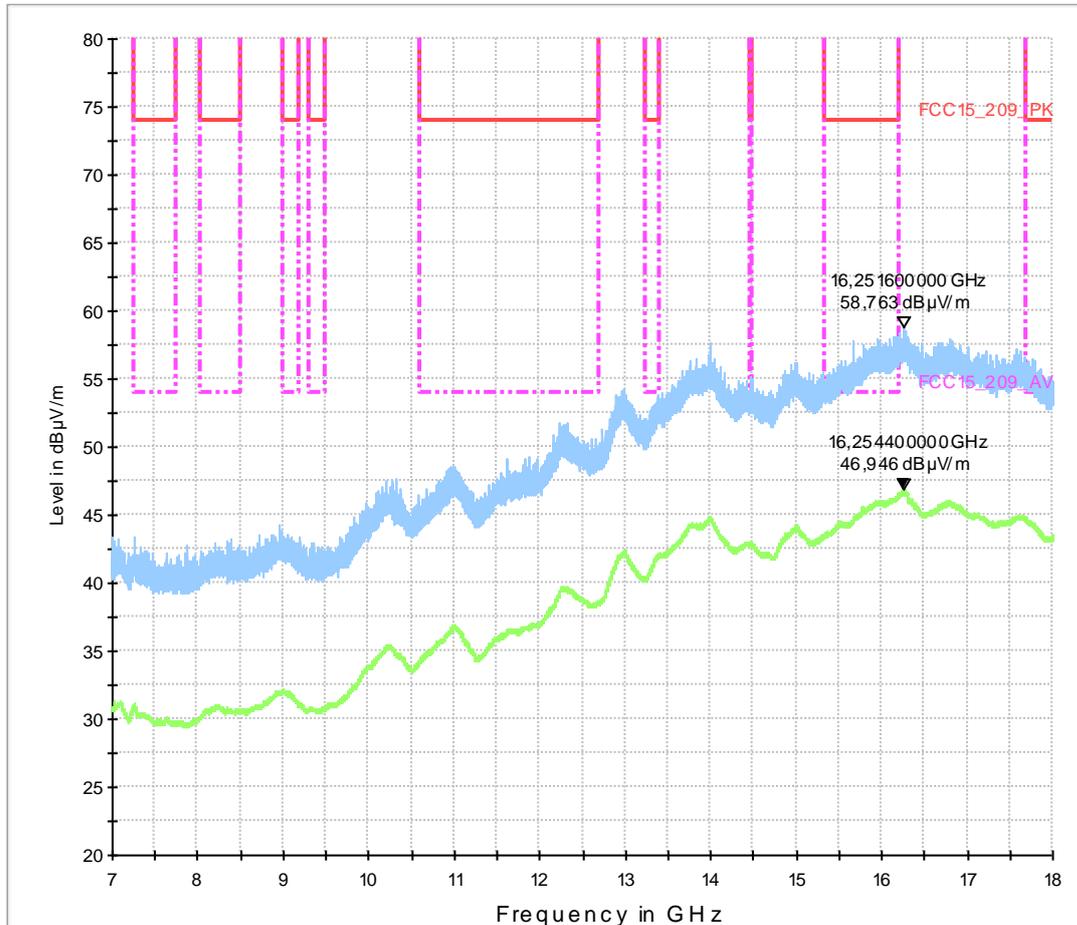
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC20Mode, MCS6, Ch52
Operator Name:	кта
Comment:	Channel no. 52
Test conditions:	Humidity: 33%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15247



### 3.4. Channel 64 (a-Mode, 6Mbps data rate)

## Diagram No.: 4.04a\_Ch64\_aMode\_6MBit

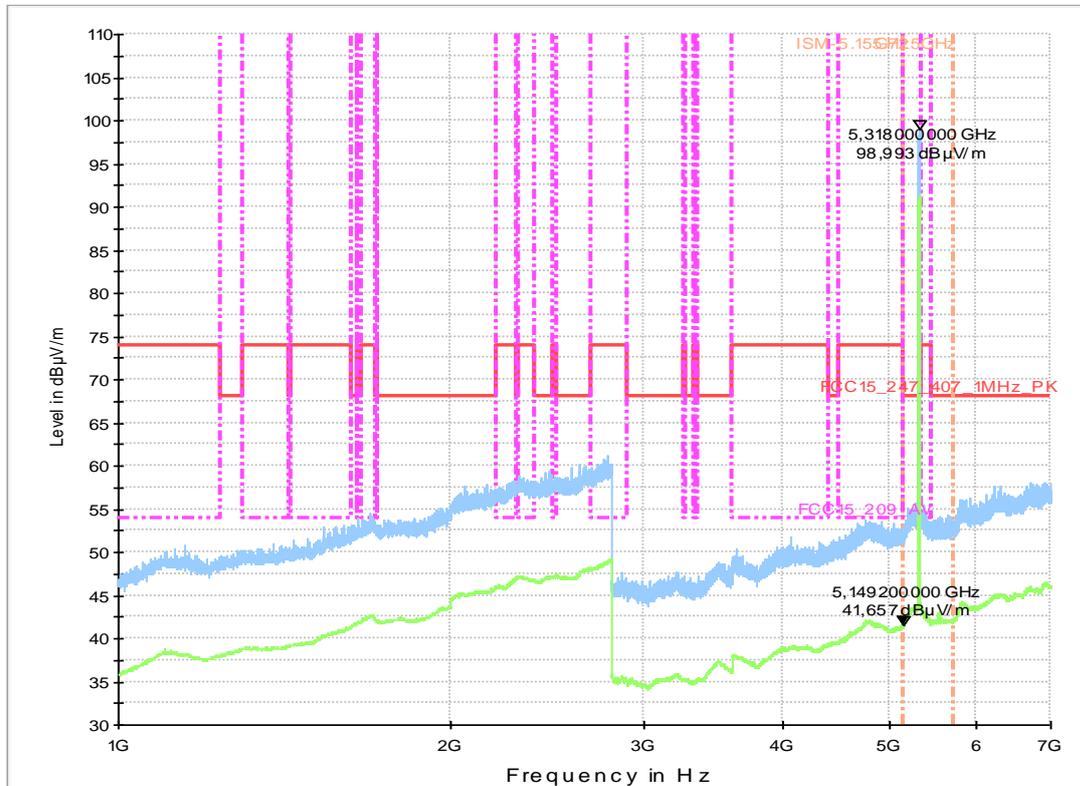
#### Common Information

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
Operation mode:	TX, continuous, 6MBit, a-Mode
Operator Name:	ABA
Comment:	Channel no. high=64

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: 00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407

## Diagram No.: 4.04b\_Ch64\_a-Mode\_6MBit

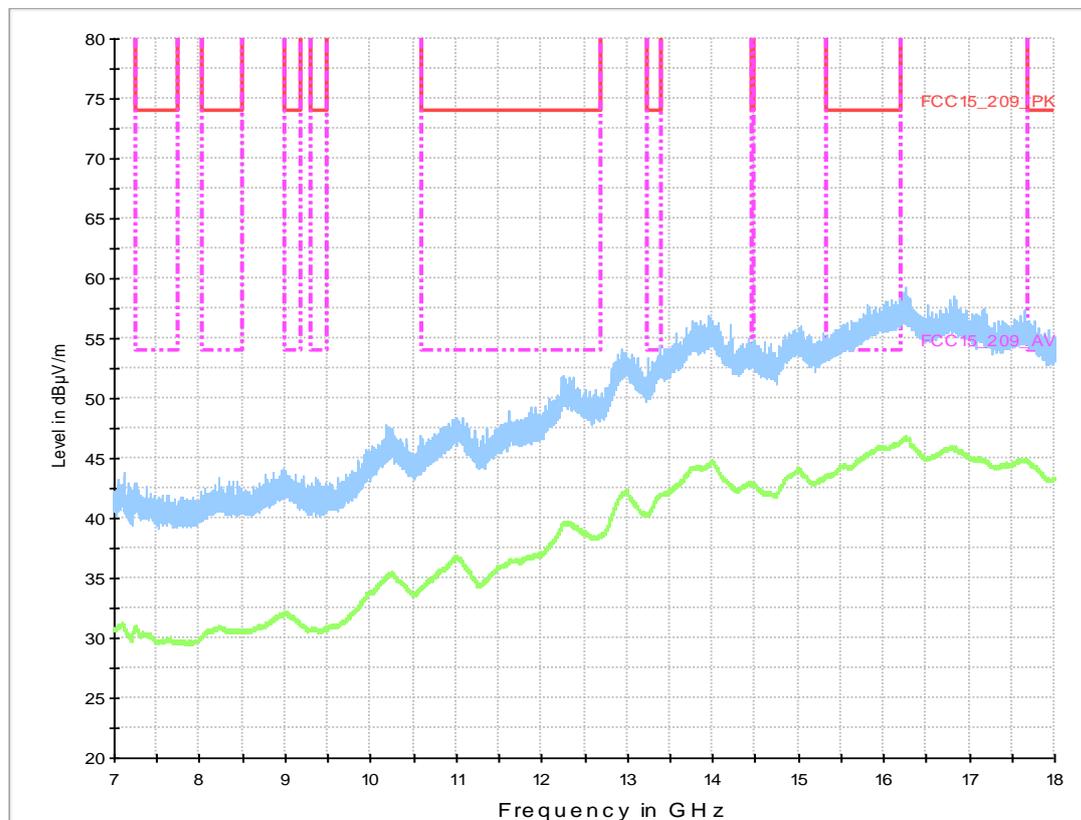
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, a-Mode, 6MB, Ch64
Operator Name:	кта
Comment:	Channel no. 64
Test Conditions:	Humidity: 33%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_WLAN\_FCC15247



### 3.5. Channel 100 (AC20-Mode, MCS6 data rate)

## Diagram No.: 4.05a\_Ch100\_AC20\_MCS6

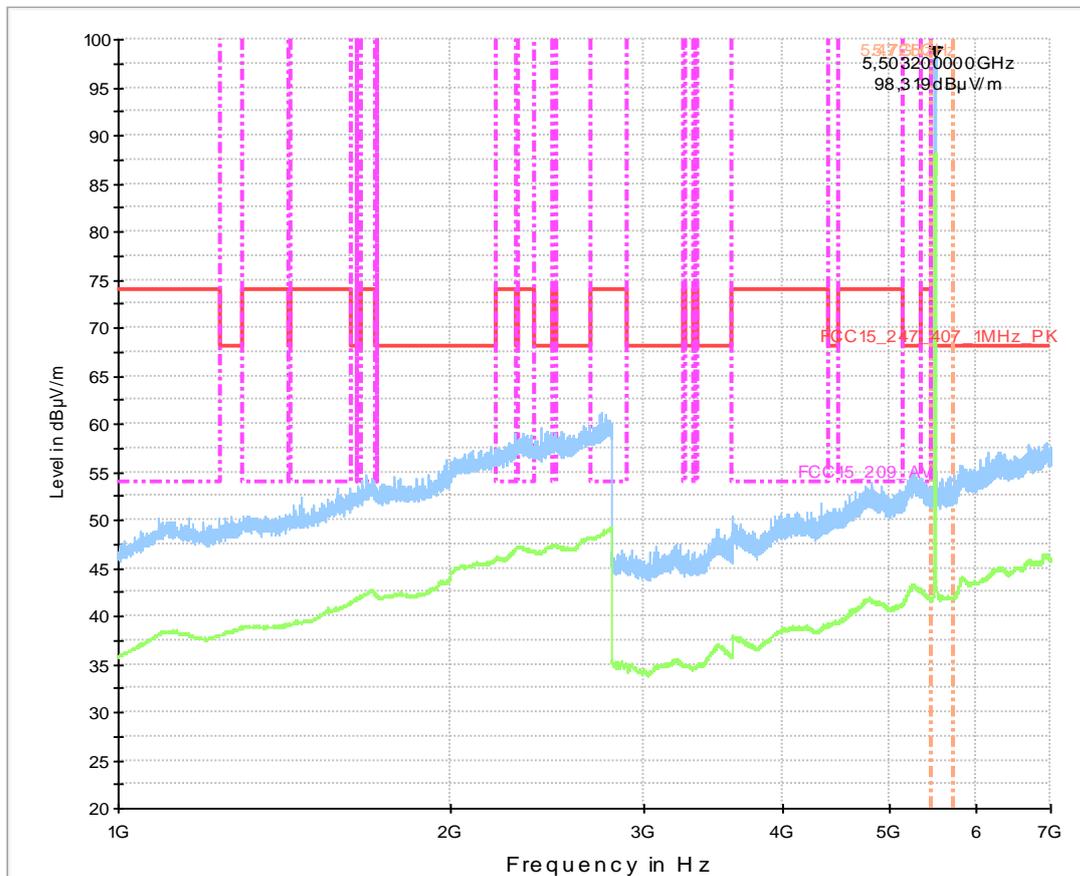
#### Common Information

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
Operation mode:	TX, continuous, MCS6, AC20-Mode
Operator Name:	cta
Comment:	Channel no. low=100
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(3)



## Diagram No.: 4.05b\_Ch100\_ac20-Mode\_MSC6

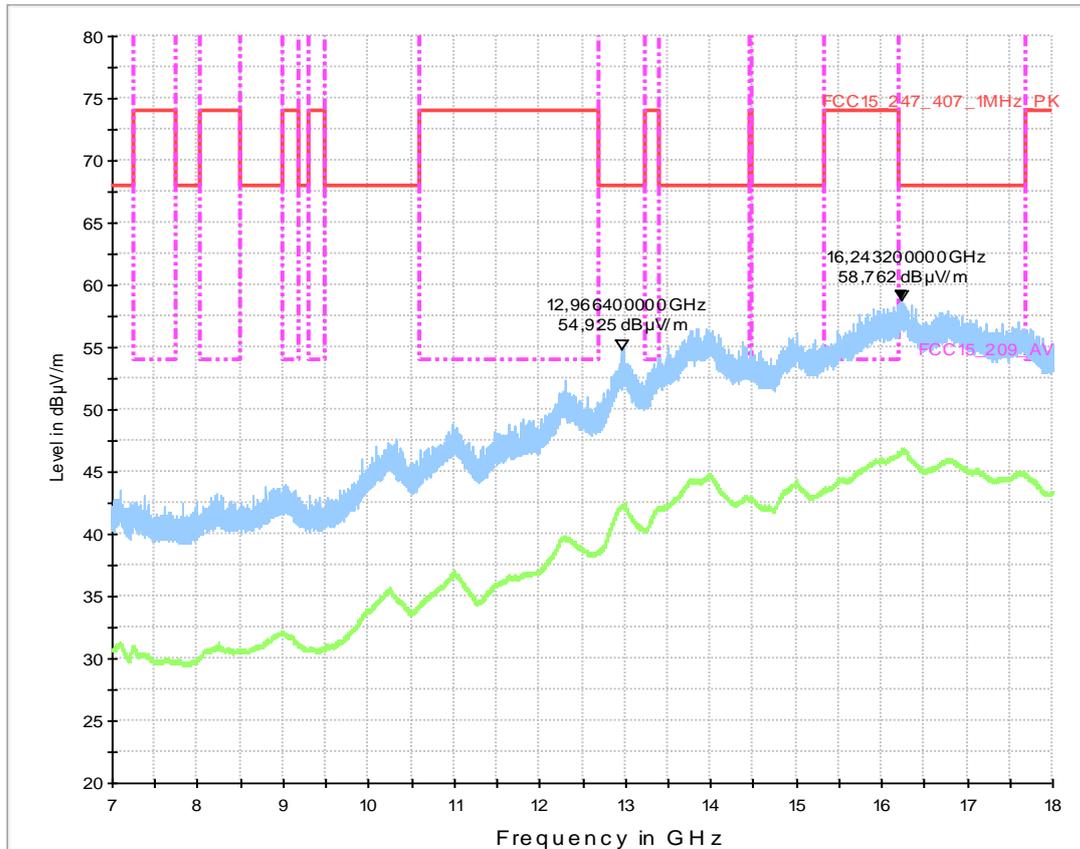
### Common Information

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
Operation mode:	TX, continuous, AC20-Mode, MCS6
Operator Name:	Lor
Comment:	Channel no. low=100

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: Sweep2\_SM1\_KP1\_WLAN\_FCC15407

### 3.6. Channel 116 (a-Mode, 6Mbps)

## Diagram No.: 4.06a\_Ch116\_aMode\_6MBit

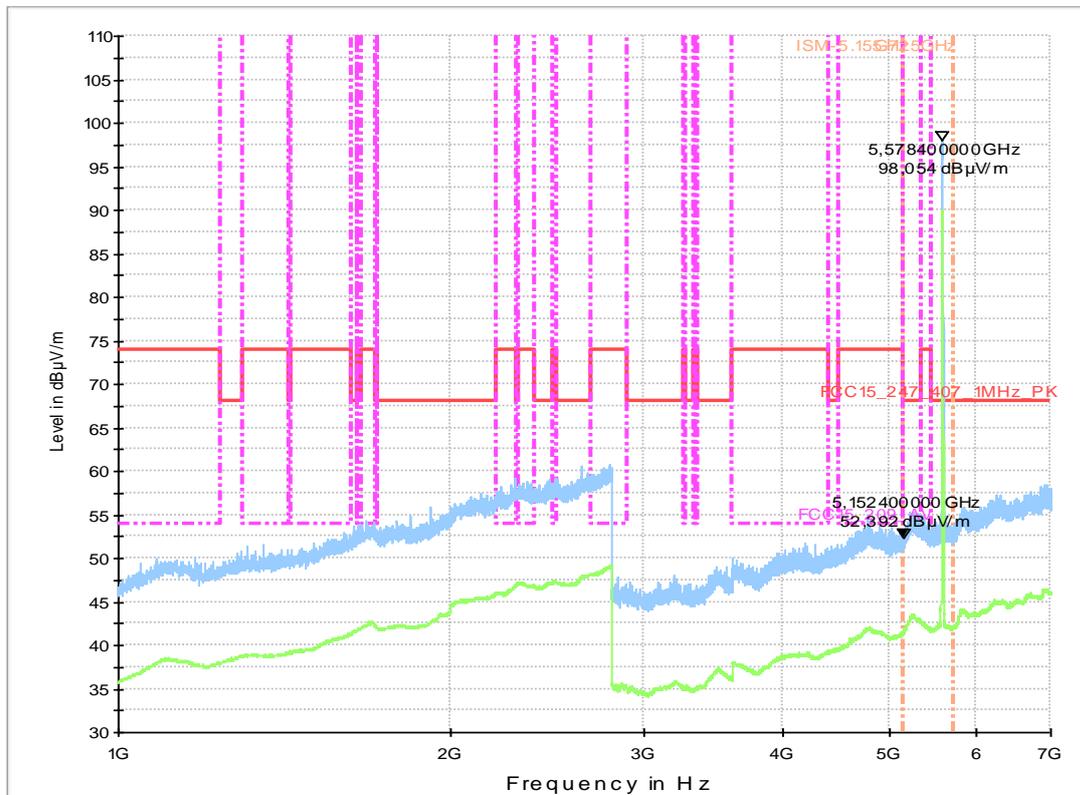
#### Common Information

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
Operation mode:	TX, continuous, 6MBit, a-Mode
Operator Name:	ABA
Comment:	Channel no. 116

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: 00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407

## Diagram No.: 4.06b\_Ch116\_a-Mode\_6MBit

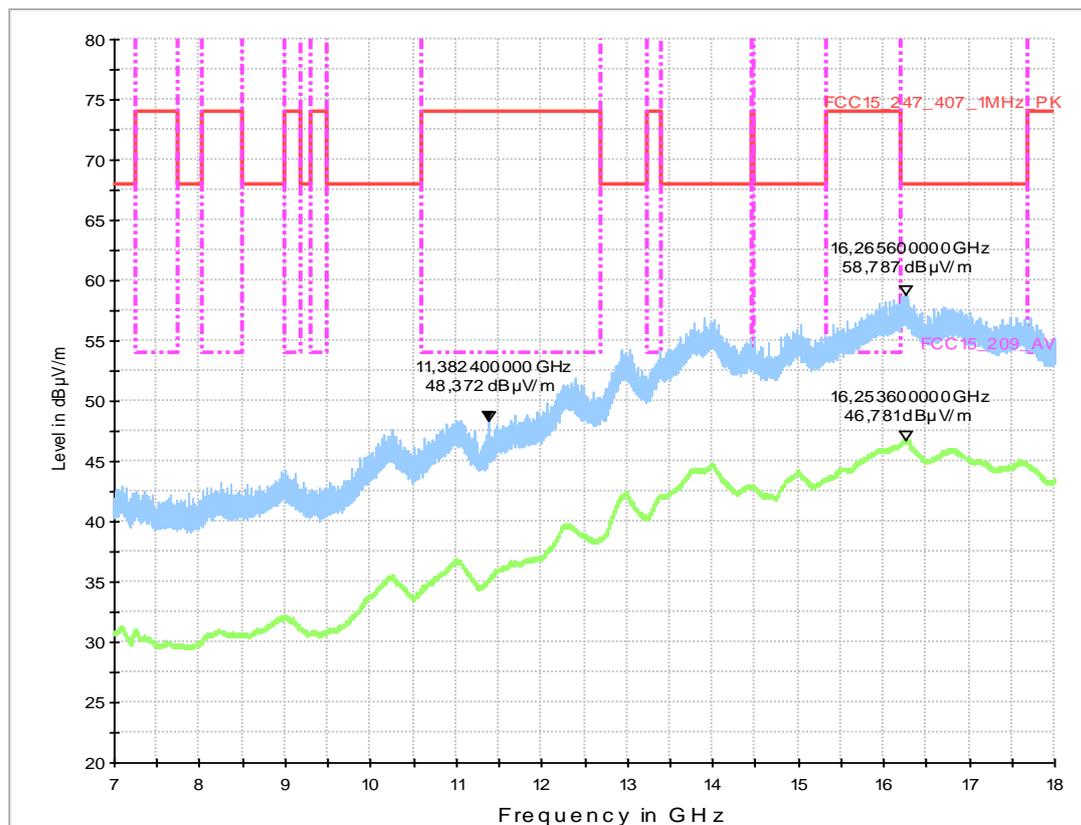
### Common Information

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
Operation mode:	TX, continuous, a-Mode, MCS6
Operator Name:	Lor
Comment:	Channel no. high=116

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: Sweep2\_SM1\_KP1\_WLAN\_FCC15407

### 3.7. Channel 140 (AC20-Mode, MCS7)

## Diagram No.: 4.07a\_Ch140\_AC20\_MCS7

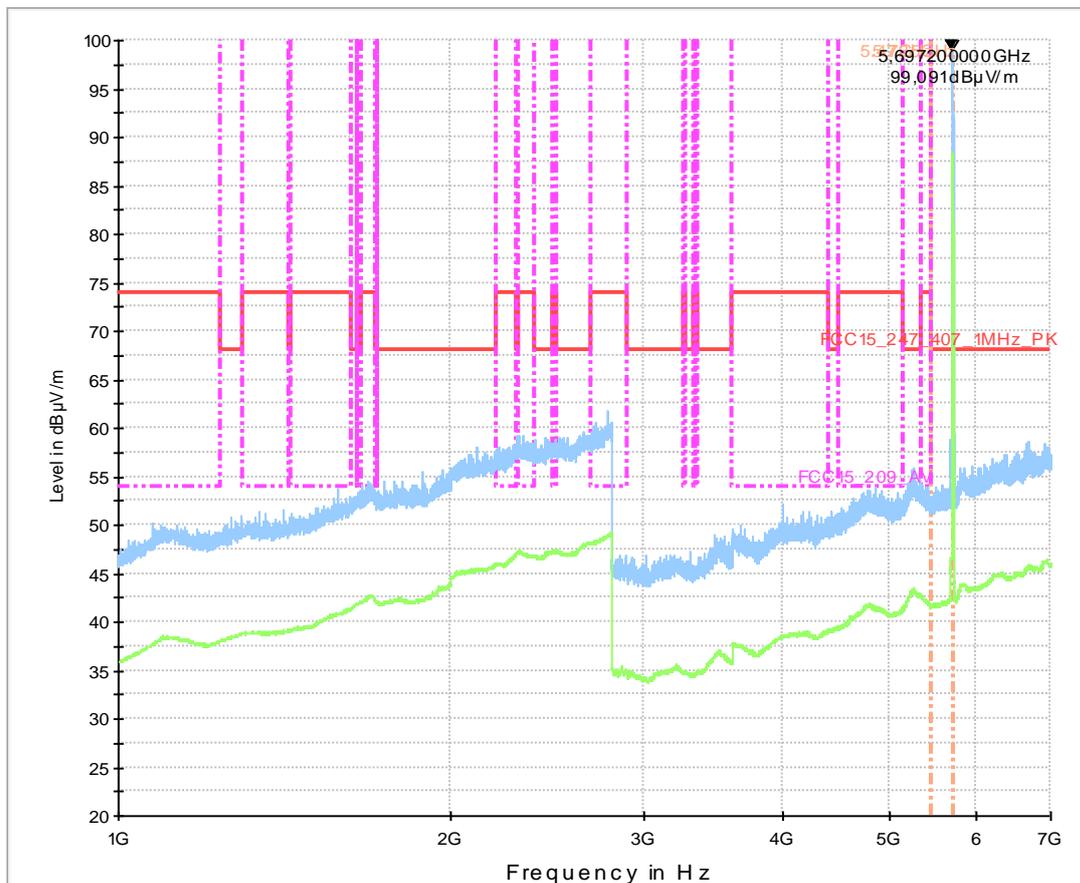
#### Common Information

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
Operation mode:	TX, continuous, MCS7, AC20-Mode
Operator Name:	cta
Comment:	Channel no. high=140
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(3)



## Diagram No.: 4.07b\_Ch140\_ac20Mode\_MCS7

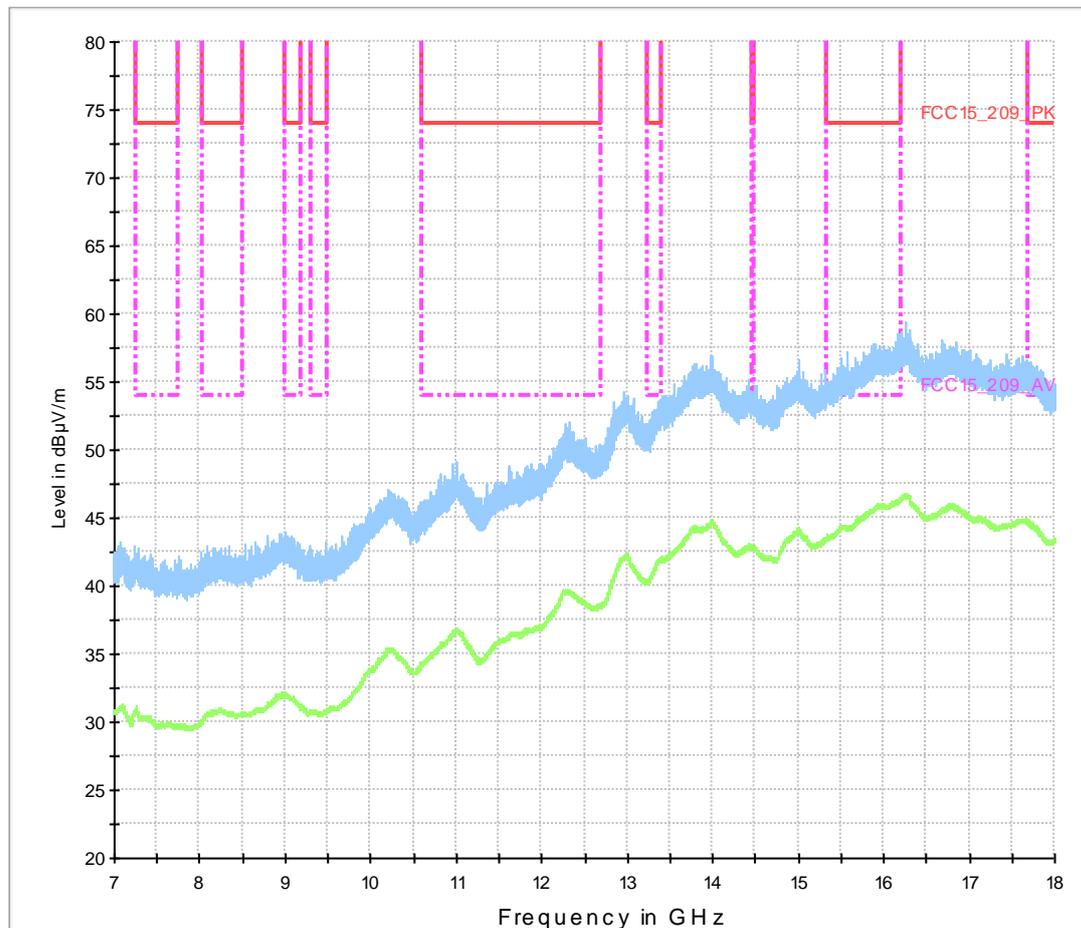
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC20Mode, MCS7, Ch140
Operator Name:	кта
Comment:	Channel no. 140
Test Conditions:	Humidity: 32%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15247



### 3.8. Channel 38 (AC40-Mode, MCS7 data rate)

## Diagram No.: 4.08a\_Ch38\_AC40\_MCS7

#### Common Information

Test Site: CETECOM GmbH Essen  
 Test Standard: FCC 15.407&15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical

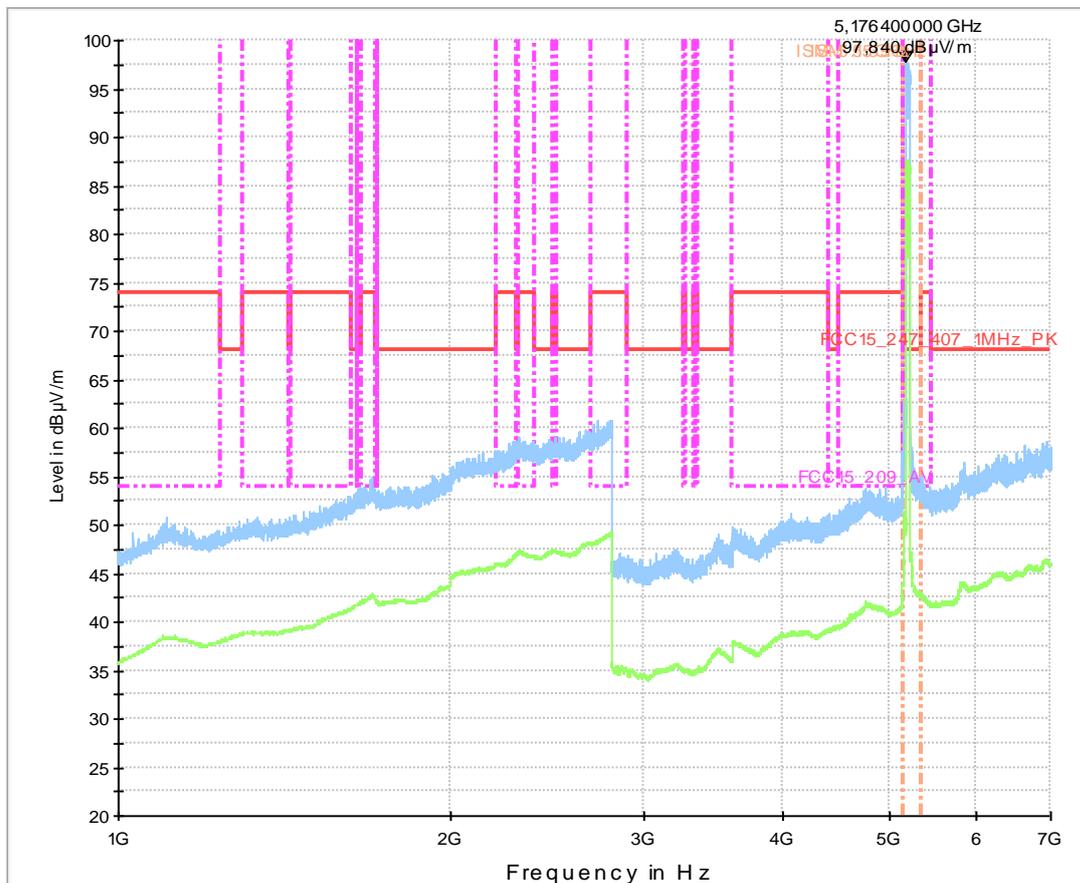
Operation mode: TX, continuous, AC40-Mode, MCS7  
 Operator Name: kta  
 Comment: Channel no. low=38  
 Test Conditions: Humidity: 34%rH; Temperature: 22°C

#### EUT Information

Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC

EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test  
 Comments: -

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(1)



## Diagram No.: 4.08b\_Ch38\_AC40\_MCS7

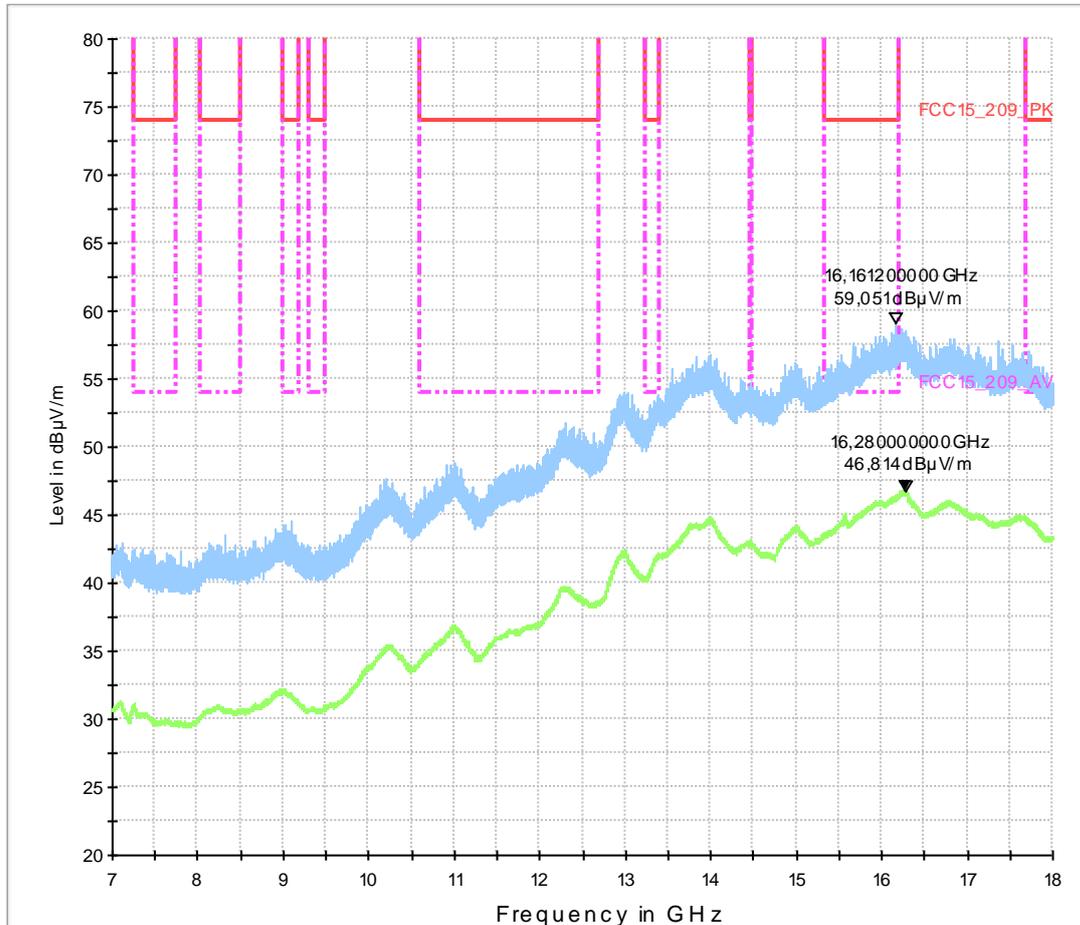
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS7, Ch38
Operator Name:	кта
Comment:	Channel no. 38
Test Conditions:	Humidity: 32%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15247



### 3.9. Channel 46 (AC40-Mode, MCS3 data rate)

## Diagram No.: 4.09a\_WLAN\_5GHz\_Ch46\_AC40\_MCS3

#### 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

Operation mode: TX, continuous, Channel no. low=46  
 Operator Name: Lor

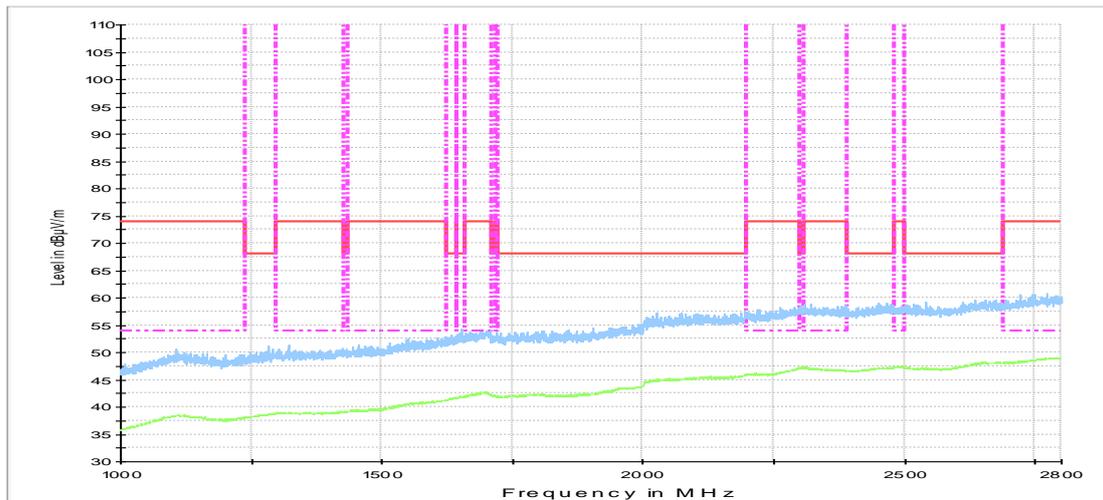
#### EUT Information

Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC

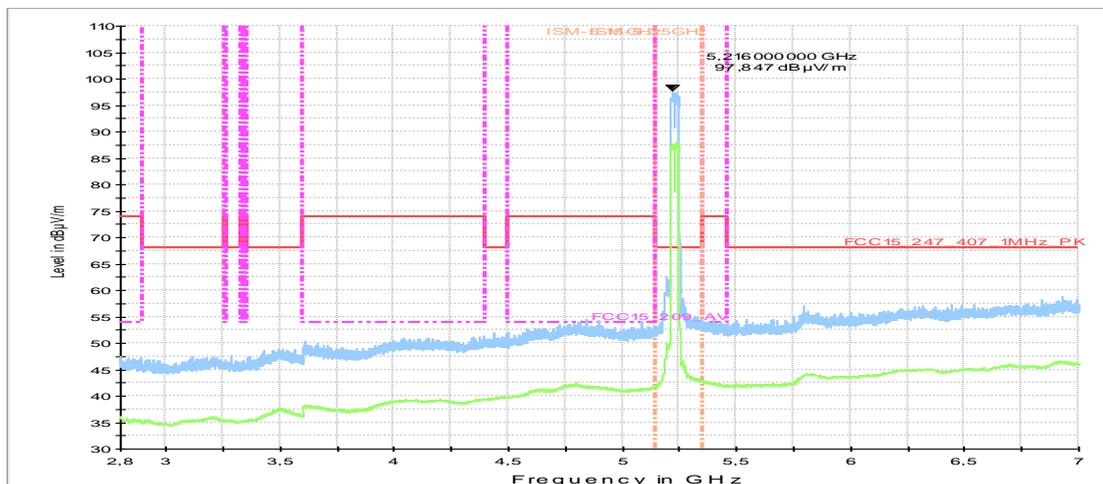
---

EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(1)



00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(1)



## Diagram No.: 4.09b\_Ch46\_AC40\_MCS3

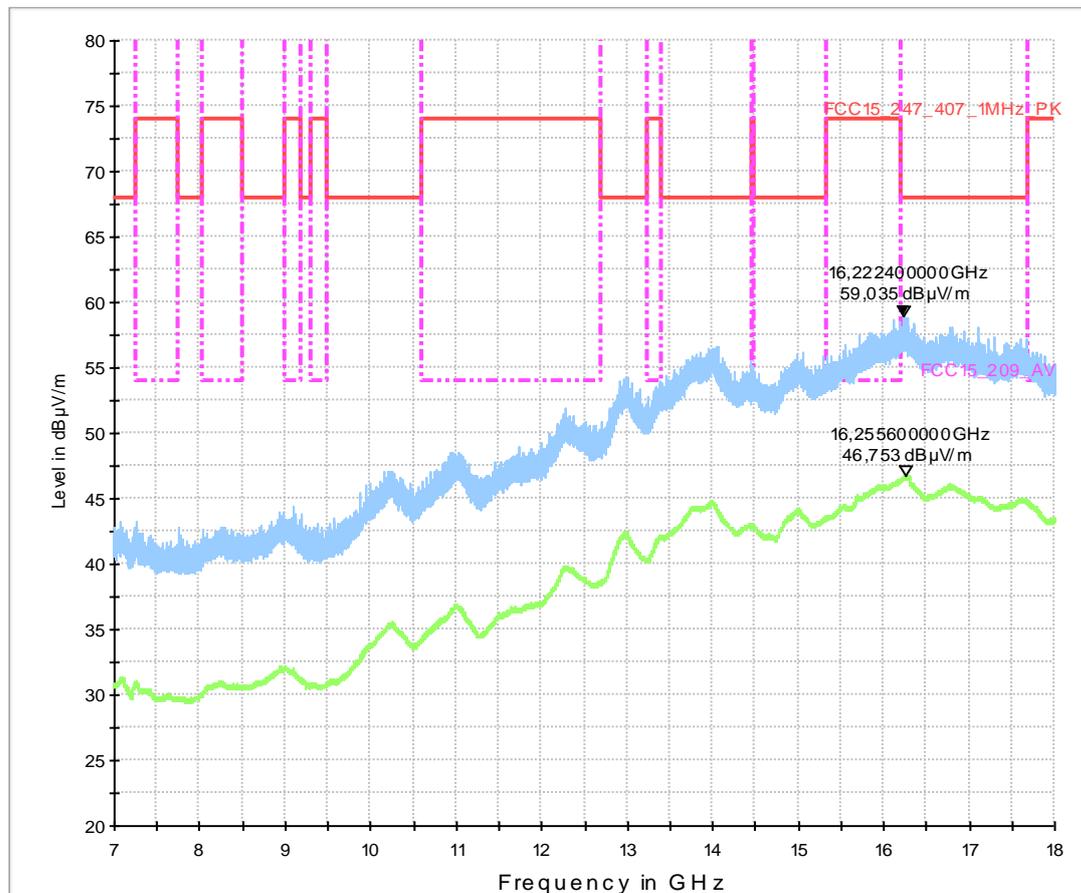
### Common Information

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
Operation mode:	TX, continuous, AC40-Mode, MCS3
Operator Name:	Lor
Comment:	Channel no. low=46

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: Sweep2\_SM1\_KP1\_WLAN\_FCC15407

### 3.10. Channel 54 (AC40-Mode, MCS6 data rate)

## Diagram No.: 4.10a\_Ch54\_AC40\_MCS6

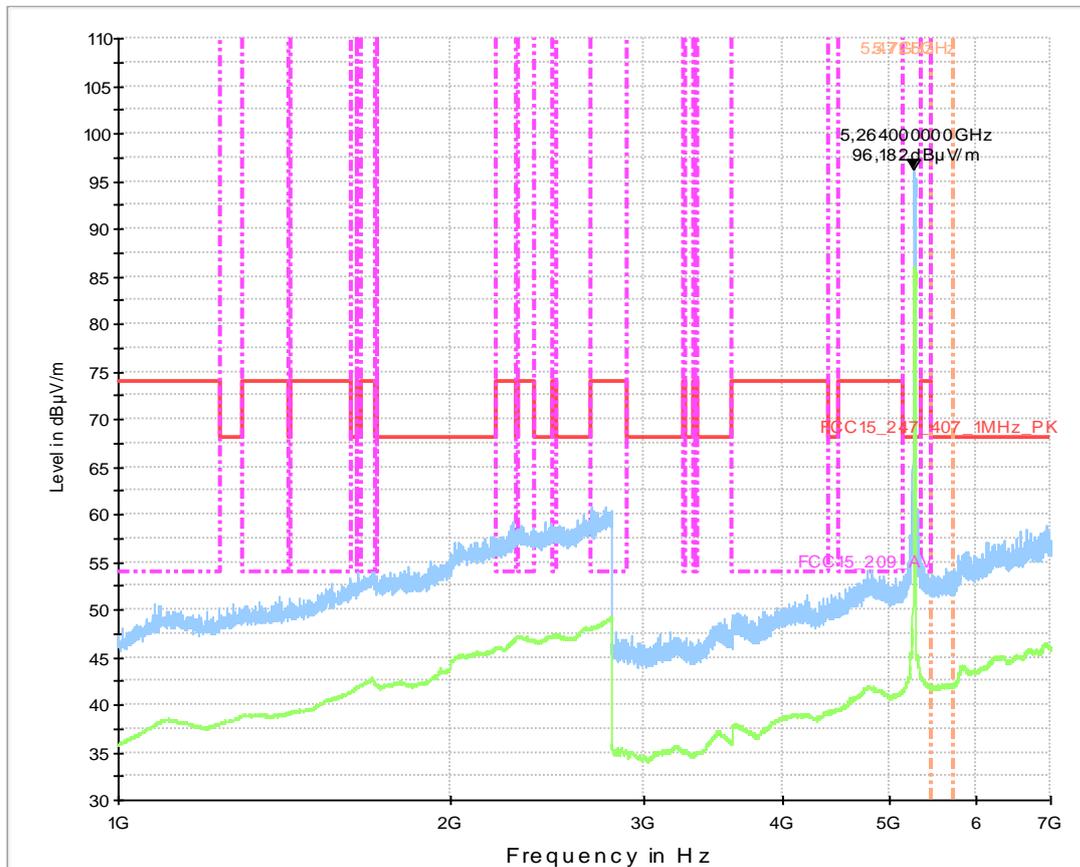
#### Common Information

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
Operation mode:	TX, continuous, AC40-Mode, MCS6
Operator Name:	ABA
Comment:	Channel no. 54

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(3)





### 3.11. Channel 62 (AC40-Mode, MCS3 data rate)

## Diagram No.: 4.11a\_Ch62\_AC40\_MCS3

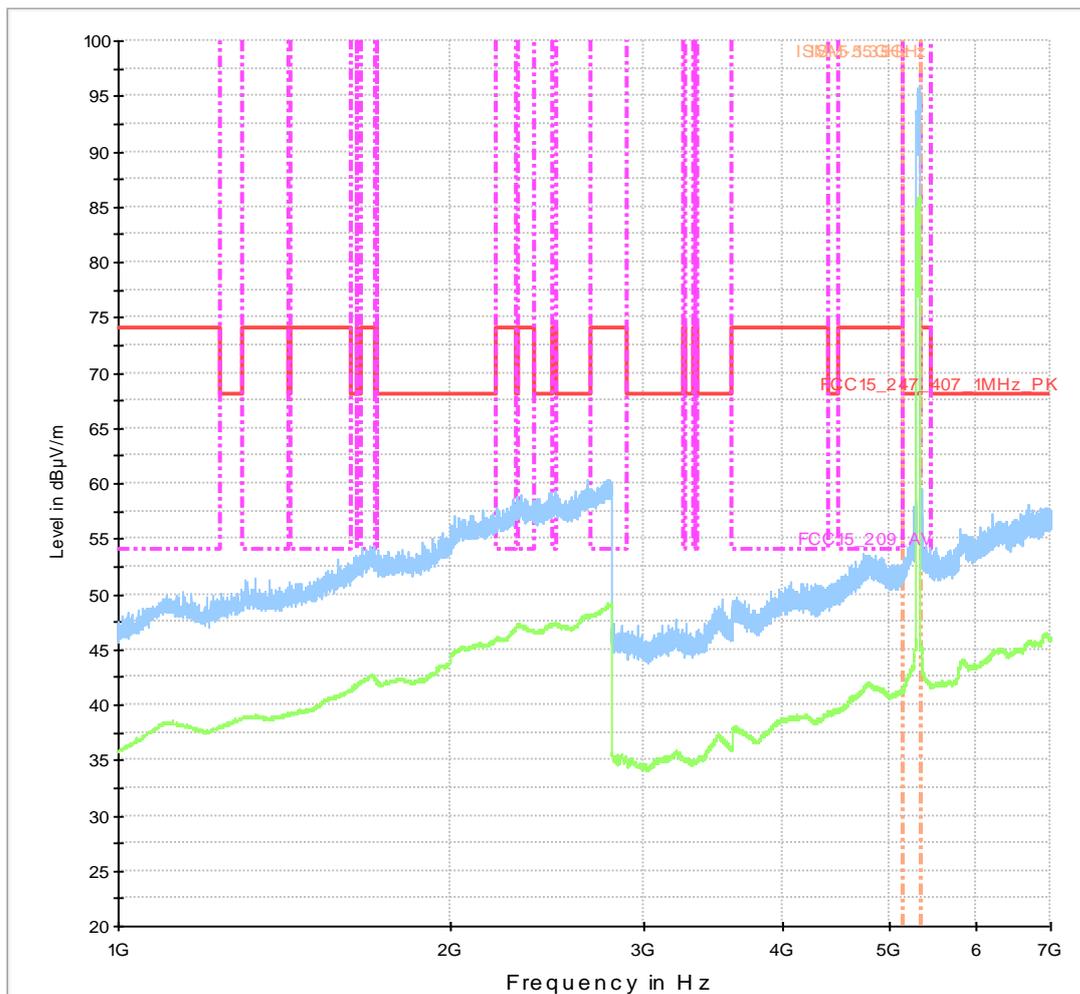
#### Common Information

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
Operation mode:	TX, continuous, AC40, MCS3
Operator Name:	FTe
Comment:	Channel no. high=62

#### EUT Information

Manufacturer:	Sony Mobile Communications AB
EuT:	PM-0750-BV
-----	
HW Version:	--
SW Version:	ETS
Serial Number:	CB5126DPP9
Connected Interfaces:	DC over USB
Power Supply:	5V DC over AE1 (120V/60Hz)
Comments:	--

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407(b)(2)



## Diagram No.: 4.11b\_Ch62\_AC40\_MCS3

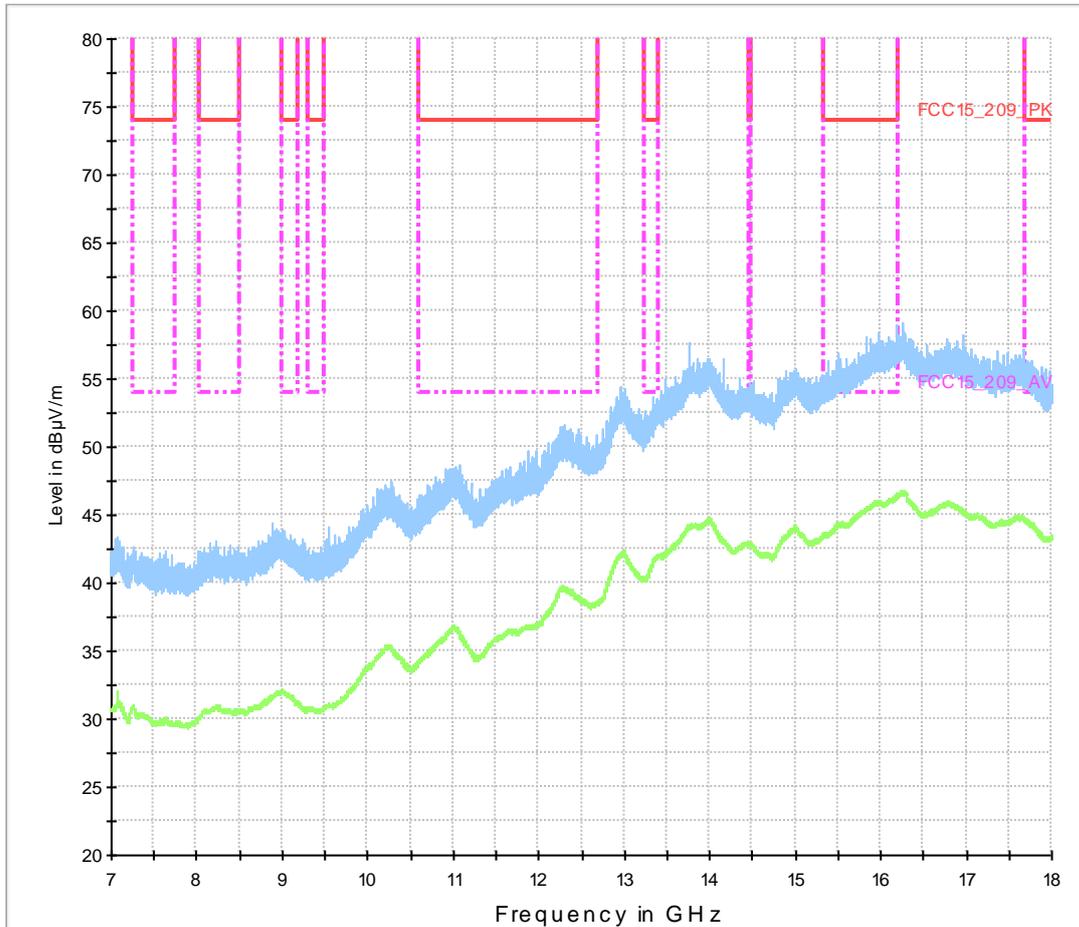
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS3
Operator Name:	кта
Comment:	Channel no. high=62
Test Conditions:	Humidity: 32%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15247



### 3.12. Channel 102 (AC40-Mode, MCS4 data rate)

#### 4.12a\_WLAN\_5GHz\_Ch102\_AC40\_MCS4

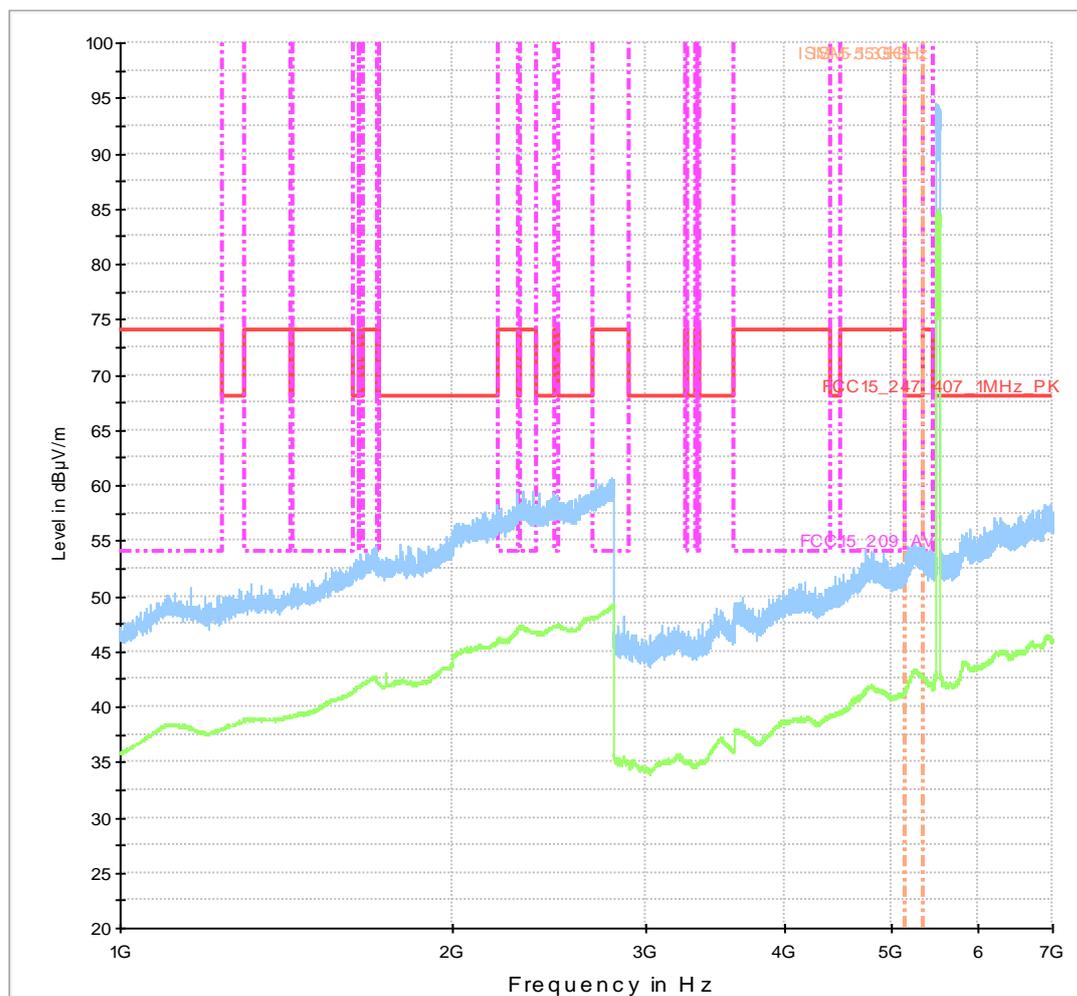
##### Common Information

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
Operation mode:	TX, continuous, AC40, MCS4
Operator Name:	FTe
Comment:	Channel no. high=102

##### EUT Information

Manufacturer:	Sony Mobile Communications AB
EuT:	PM-0750-BV
-----	-----
HW Version:	--
SW Version:	ETS
Serial Number:	CB5126DPP9
Connected Interfaces:	DC over USB
Power Supply:	5V DC over AE1 (120V/60Hz)
Comments:	--

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(2)



## Diagram No.: 4.12b\_Ch102\_AC40\_MCS4

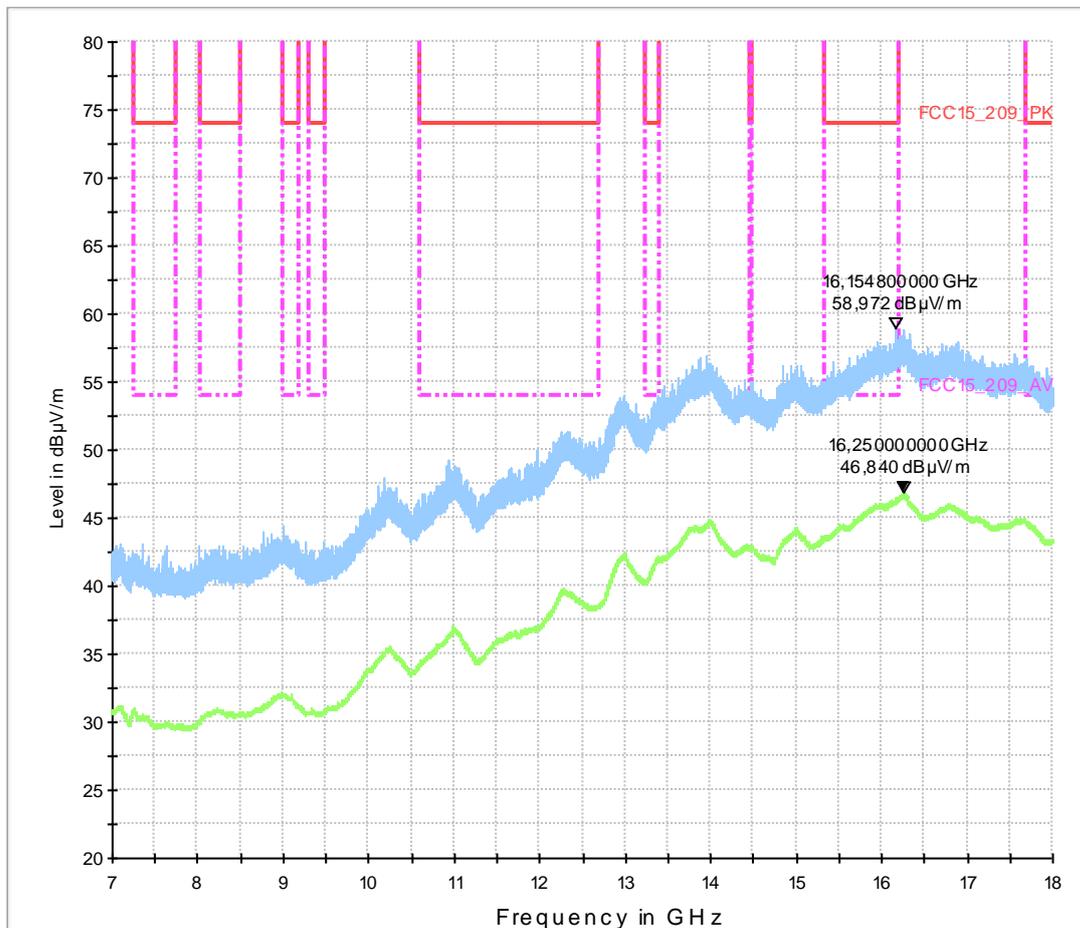
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS4
Operator Name:	кта
Comment:	Channel no. low=102
Test Conditions:	Humidity: 32%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15247



### 3.13. Channel 134 (AC40-Mode, MCS7 data rate)

#### Diagram No.: 4.13a\_Ch134\_AC40\_MCS7

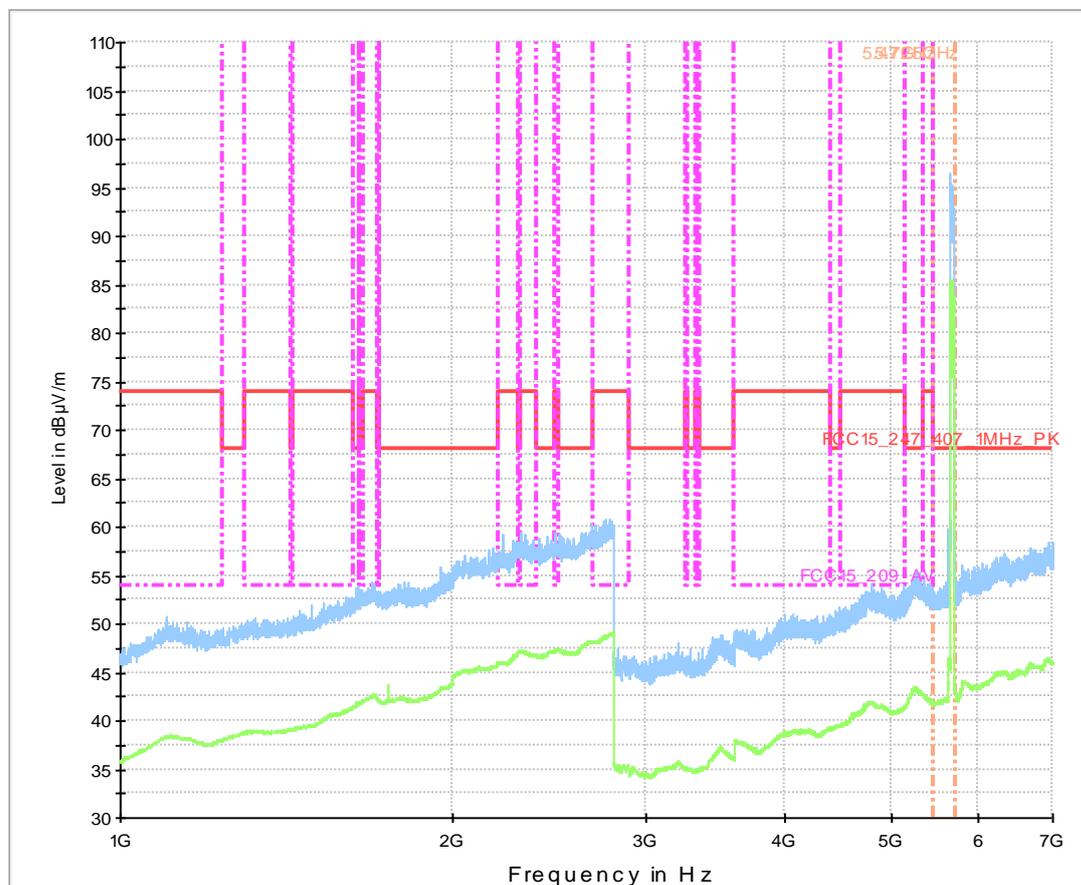
##### Common Information

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
Operation mode:	TX, continuous
Operator Name:	FTE
Comment:	Channel no. 134

##### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(3)



## Diagram No.: 4.13b\_Ch134\_AC40\_MCS7

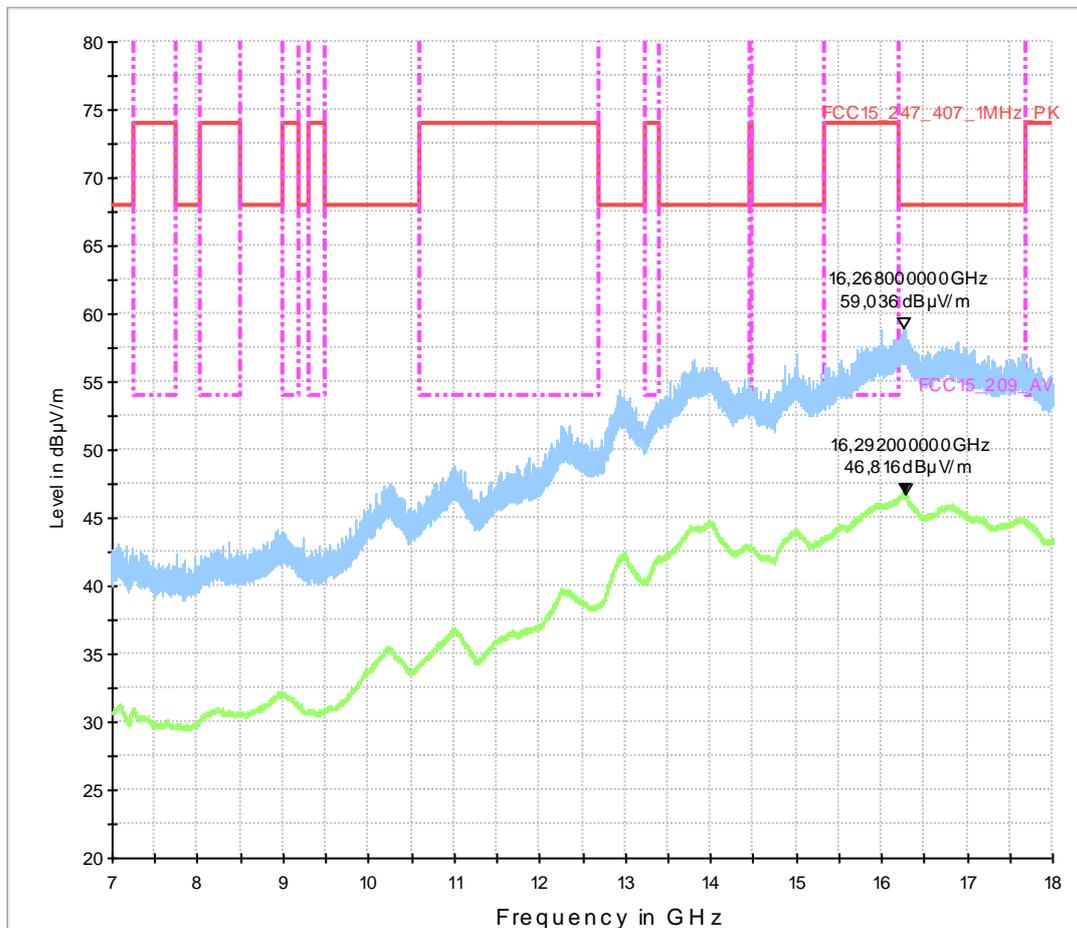
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS7
Operator Name:	кта
Comment:	Channel no. high=134
Test Conditions:	Humidity: 31%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15407



### 3.14. Channel 42(AC80-Mode, MCS0 data rate)

## Diagram No.: 4.14a\_Ch42\_AC80\_MCS0

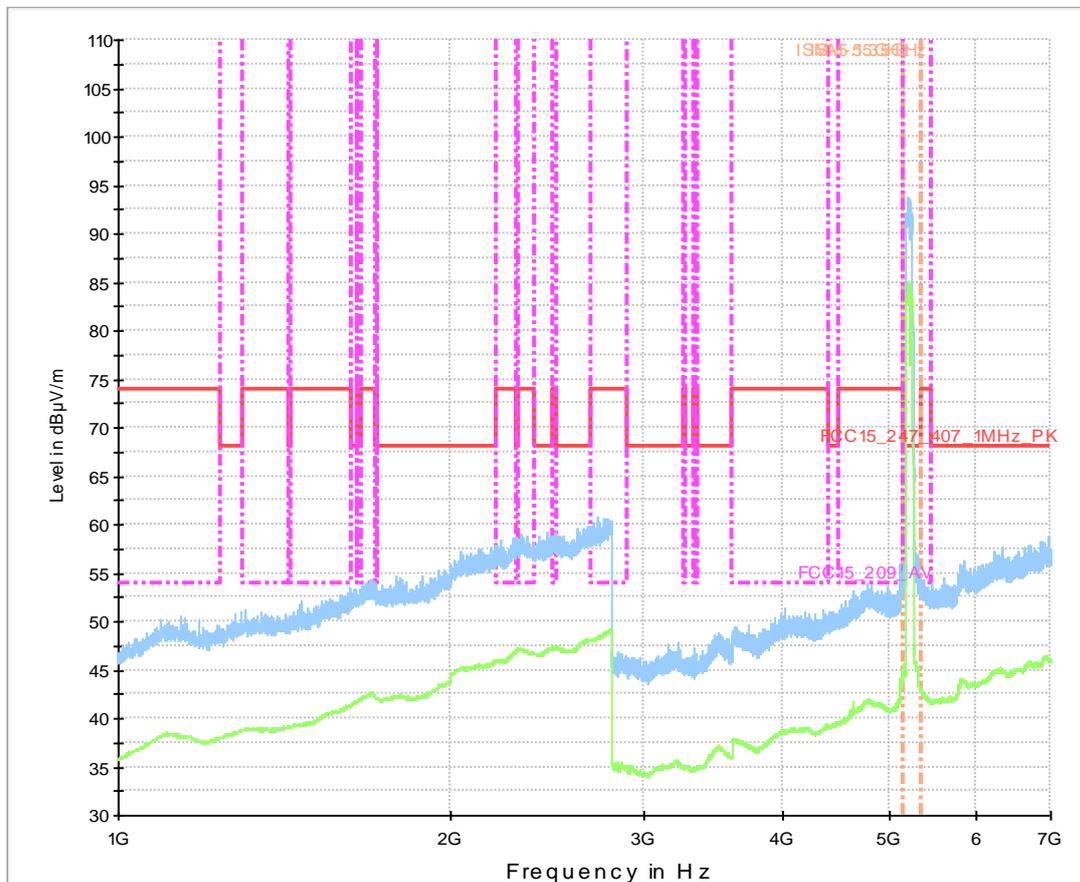
#### Common Information

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
Operation mode:	TX, continuous
Operator Name:	FTE
Comment:	Channel no. 42

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407(b)(1)



## Diagram No.: 4.14b\_Ch42\_AC80\_MCS0

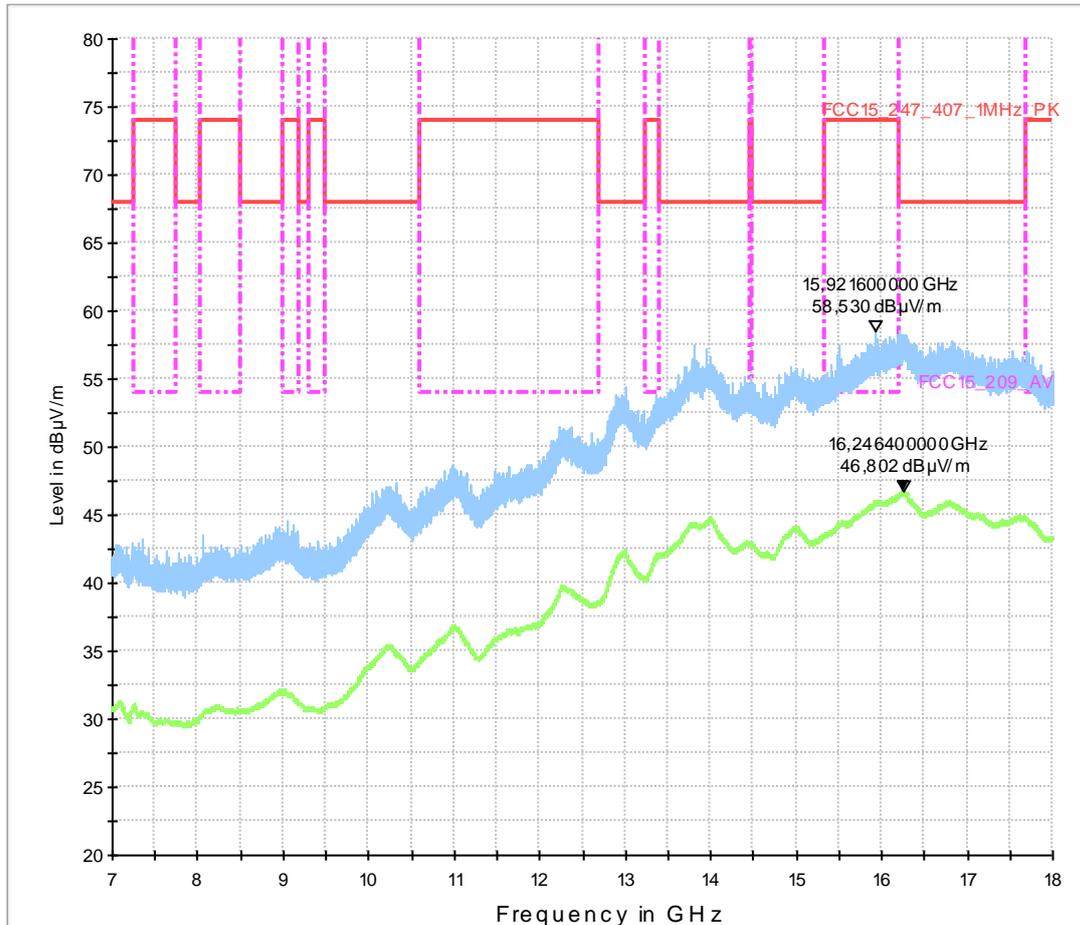
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC80-Mode, MCS0
Operator Name:	кта
Comment:	Channel no. low=42
Test Conditions:	Humidity: 31%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15407



### 3.15. Channel 58 (AC80-Mode, MCS0 data rate)

## Diagram No.: 4.15a\_Ch58\_AC80\_MCS0

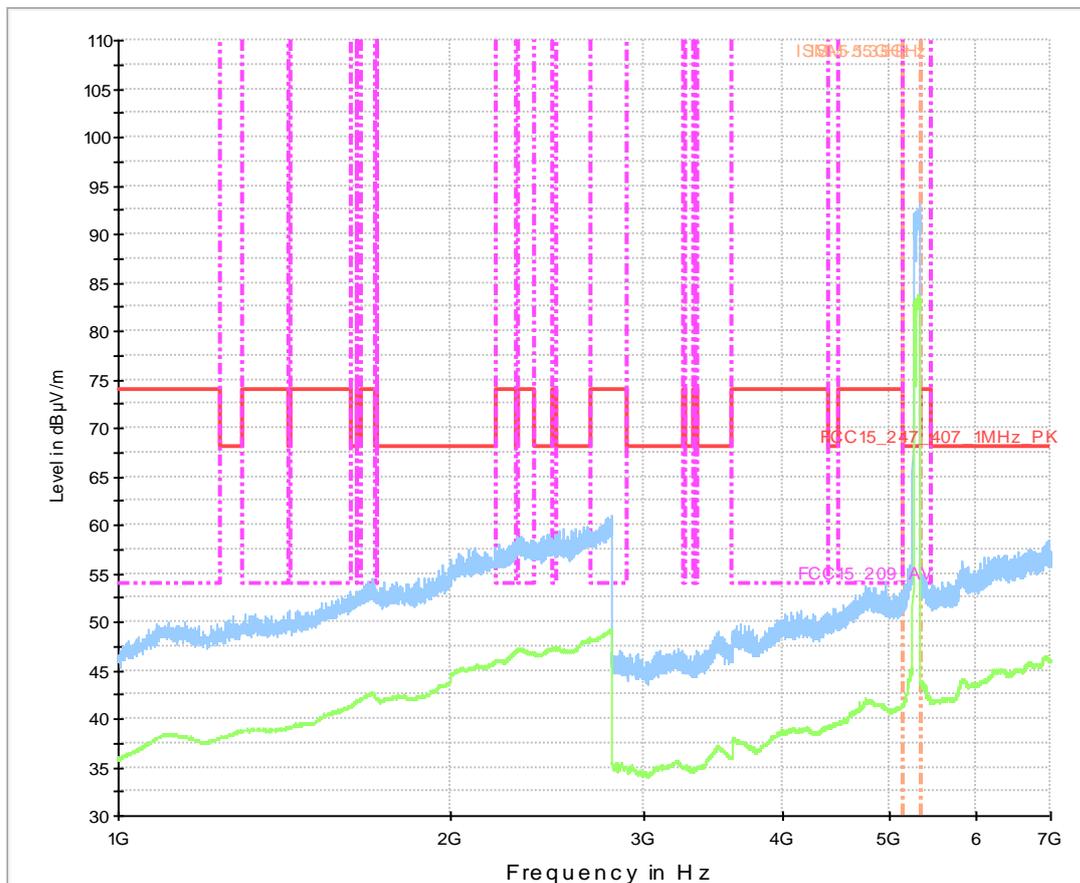
#### Common Information

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
Operation mode:	TX, continuous
Operator Name:	FTE
Comment:	Channel no. 58

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(2)



## Diagram No.: 4.15b\_Ch58\_AC80\_MCS0

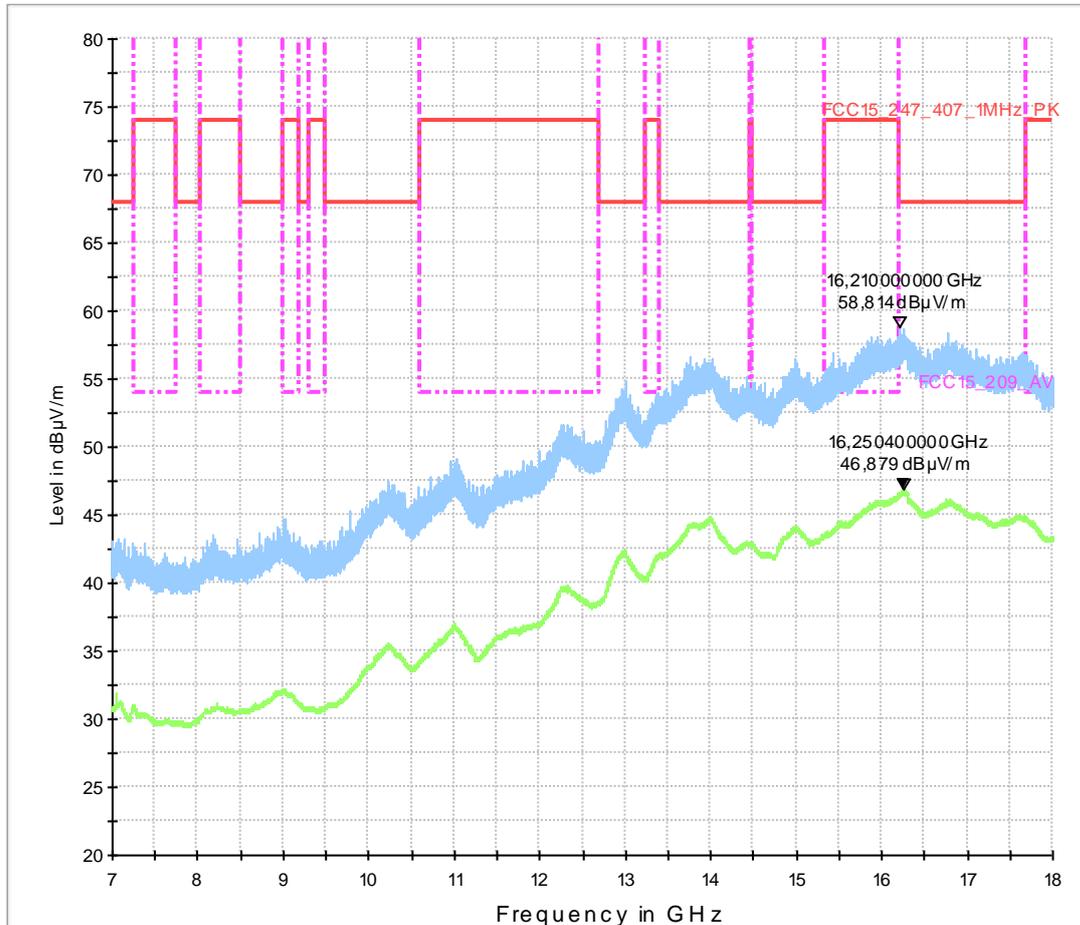
### Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC80-Mode, MCS0
Operator Name:	кта
Comment:	Channel no. high=58
Test Conditions:	Humidity: 31%rH; Temperature: 22°C

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

Sweep2\_SM1\_KP1\_W LAN\_FCC15407



### 3.16. Channel 106 (AC80-Mode, MCS0 data rate)

## Diagram No.: 4.16a\_Ch106\_AC80\_MCS0

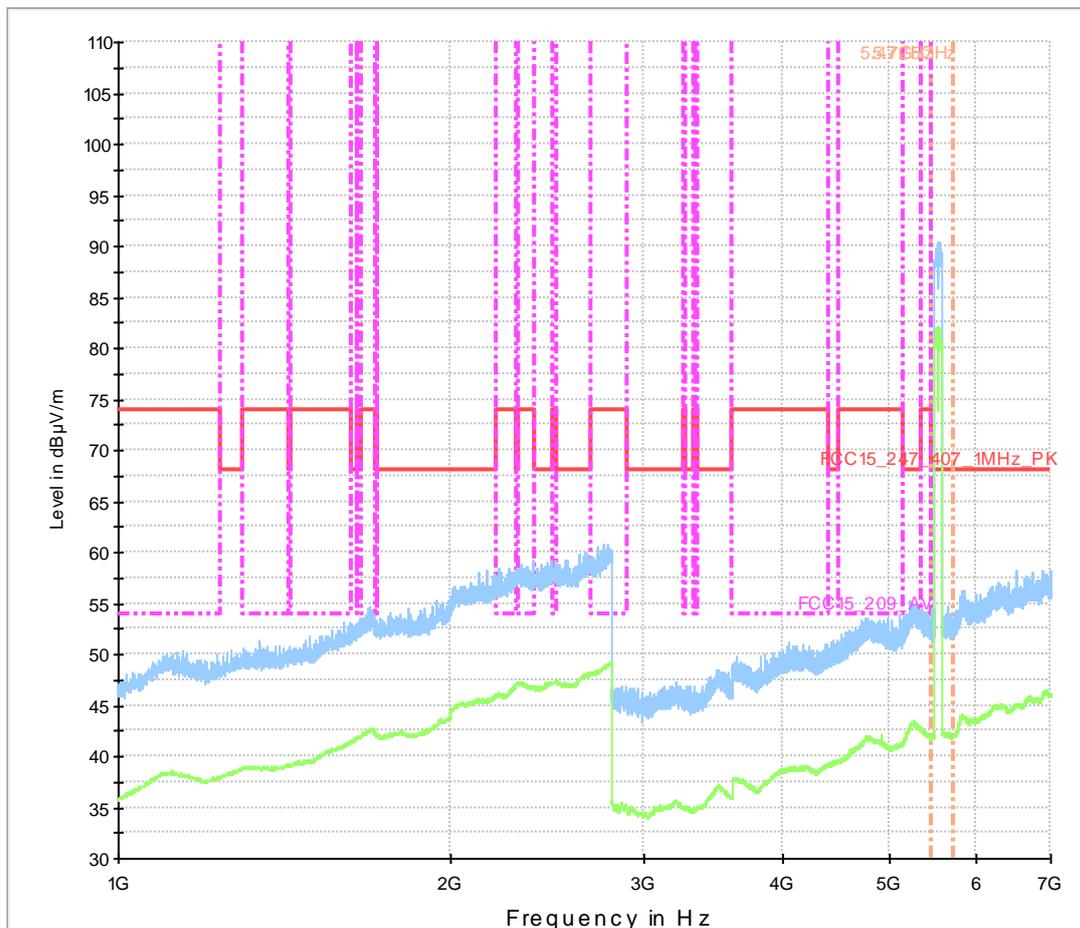
#### Common Information

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
Operation mode:	TX, continuous
Operator Name:	FTe
Comment:	Channel no. 106

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407(b)(3)



## Diagram No.: 4.16b\_Ch106\_AC80\_MCS0

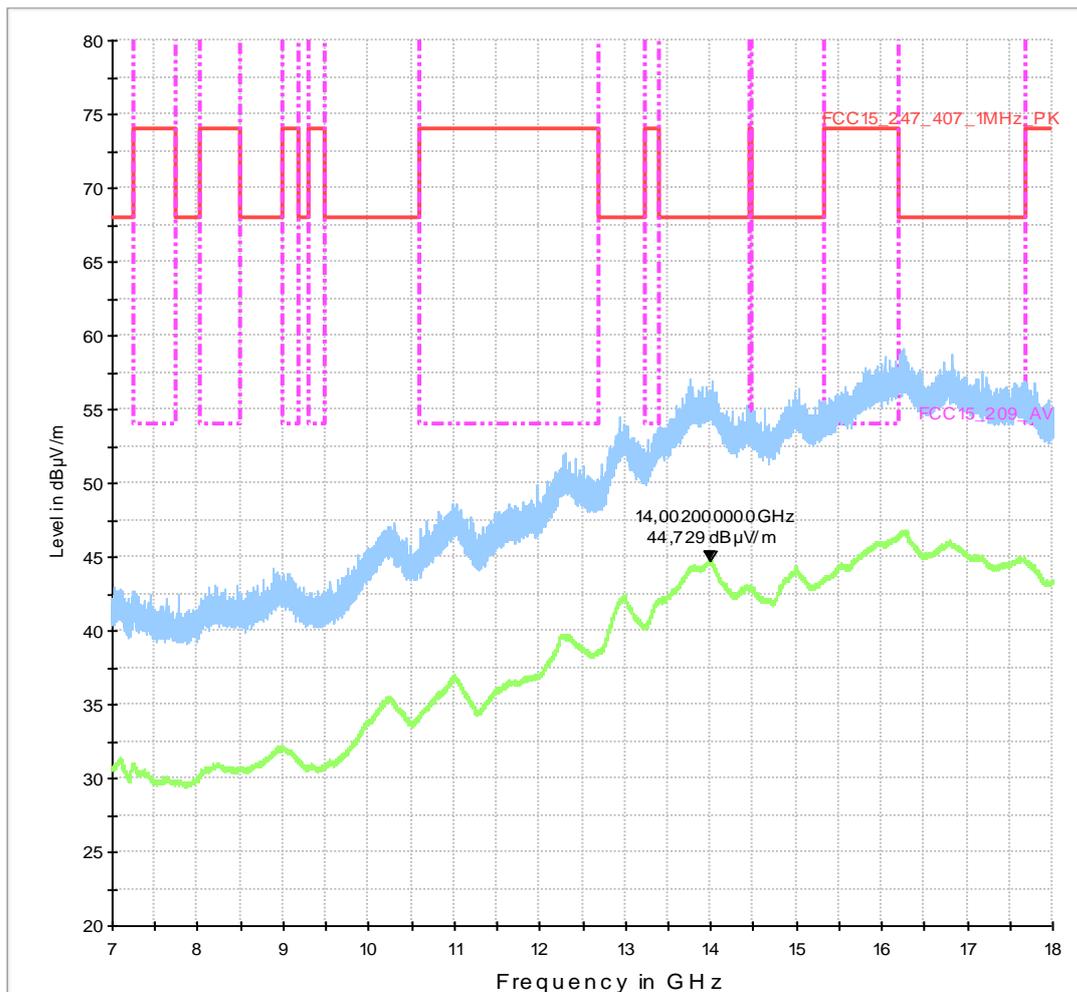
### Common Information

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
Operation mode:	TX, continuous, AC80-Mode, MCS0
Operator Name:	Lor
Comment:	Channel no. low=106

### EUT Information

Manufacturer:	Sony Mobile Communications AB
EuT:	PM-0750-BV
-----	
HW Version:	--
SW Version:	ETS
Serial Number:	CB5126DPP9
Connected Interfaces:	DC over USB
Power Supply:	5V DC over AE1 (120V/60Hz)
Comments:	--

Sweep2\_SM1\_KP1\_WLAN\_FCC15407



EMI Auto Test Template: Sweep2\_SM1\_KP1\_WLAN\_FCC15407

## 4. Radiated field strength measurements 18GHz < f < 40GHz

### 4.1. Channel 36 (A-Mode, 36Mbit data rate)

#### Diagram No.: 4.01c\_a-mode\_Ch36\_36MB

#### Common Information

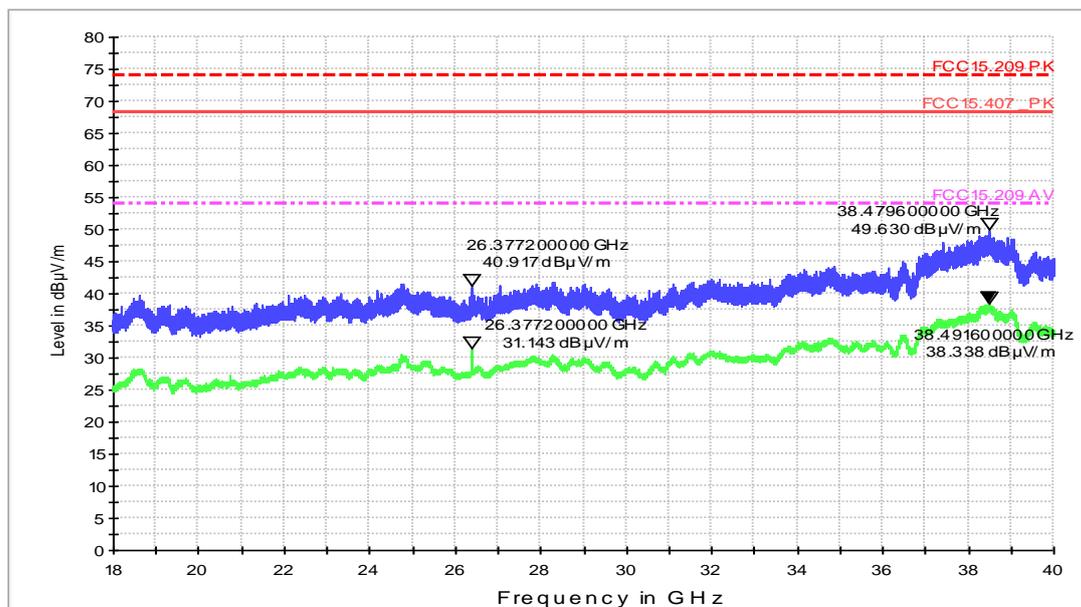
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 36, a-mode, 36 MB

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



## 4.2. Channel 64 (A-Mode, 6Mbit data rate)

### Diagram No.: 4.04c

#### Common Information

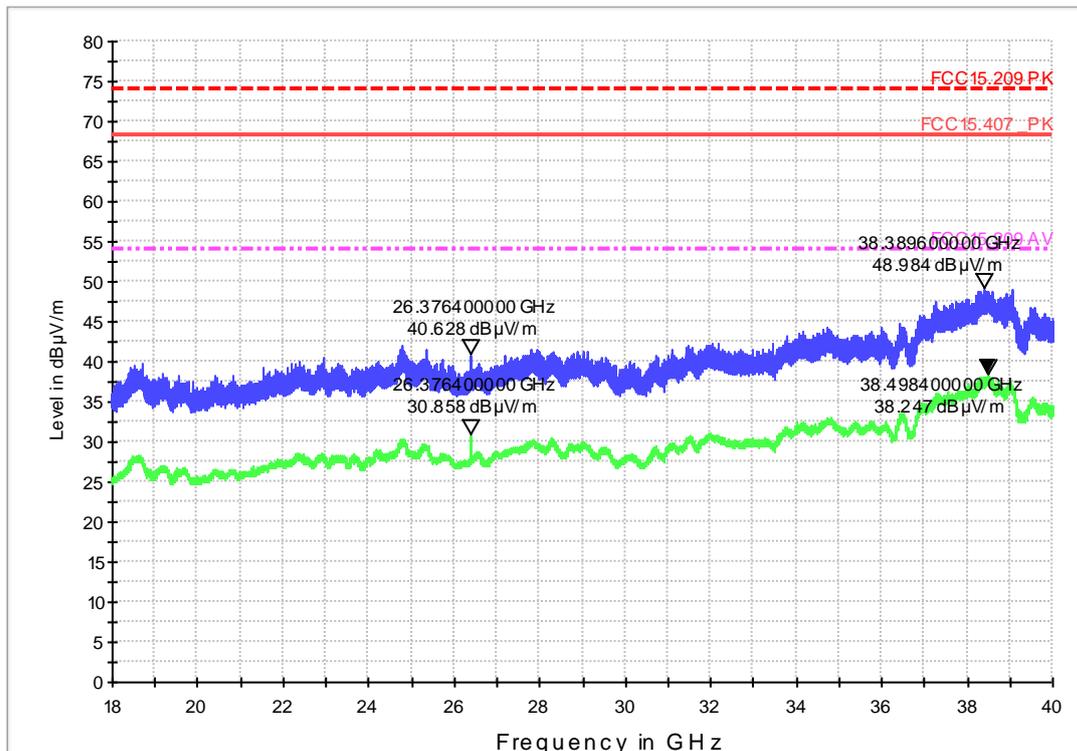
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 64 a-mode, 6 MB

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



### 4.3. Channel 116 (A-Mode, 6Mbit data rate)

## Diagram No.: 4.06c

### Common Information

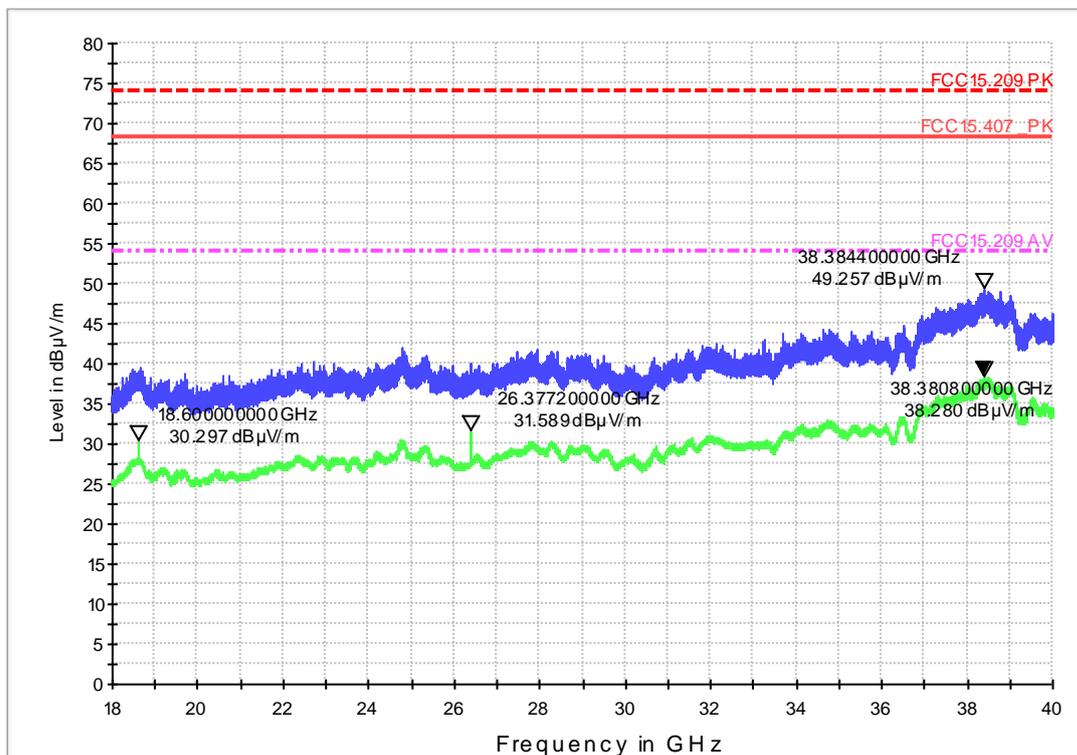
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 116, a-mode, 6 MB

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



### 4.4. Channel 140 (AC20-Mode, MCS7 data rate)

### Diagram No.: 4.07c

#### Common Information

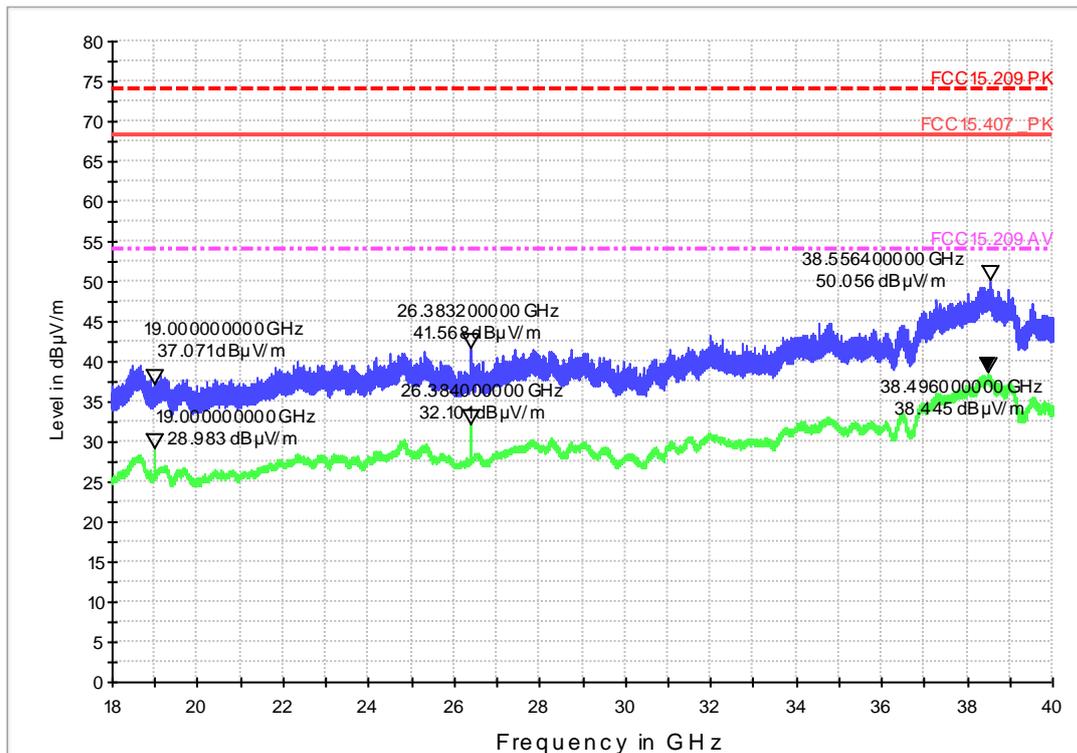
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 140, AC20-mode, MCS7

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



### 4.5. Channel 38 (AC40-Mode, MCS7 data rate)

## Diagram No.: 4.08c

### Common Information

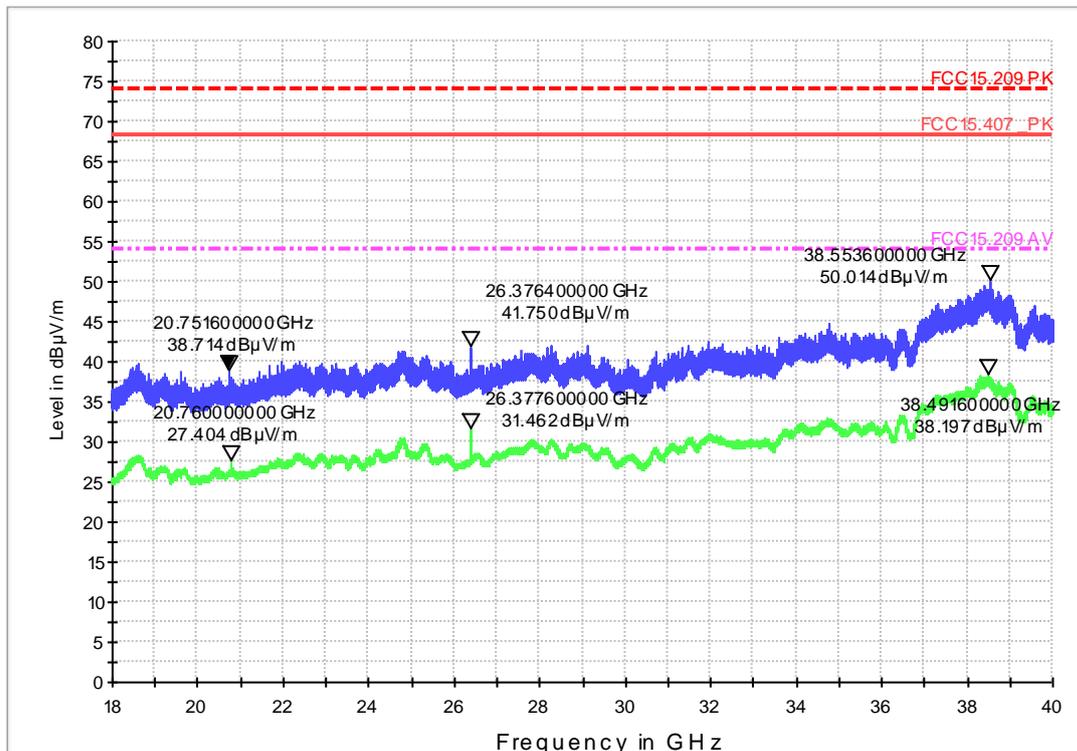
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 38, ac40-mode, MCS7

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



#### 4.6. Channel 54 (AC40-Mode, MCS6 data rate)

### Diagram No.: 4.10c

#### Common Information

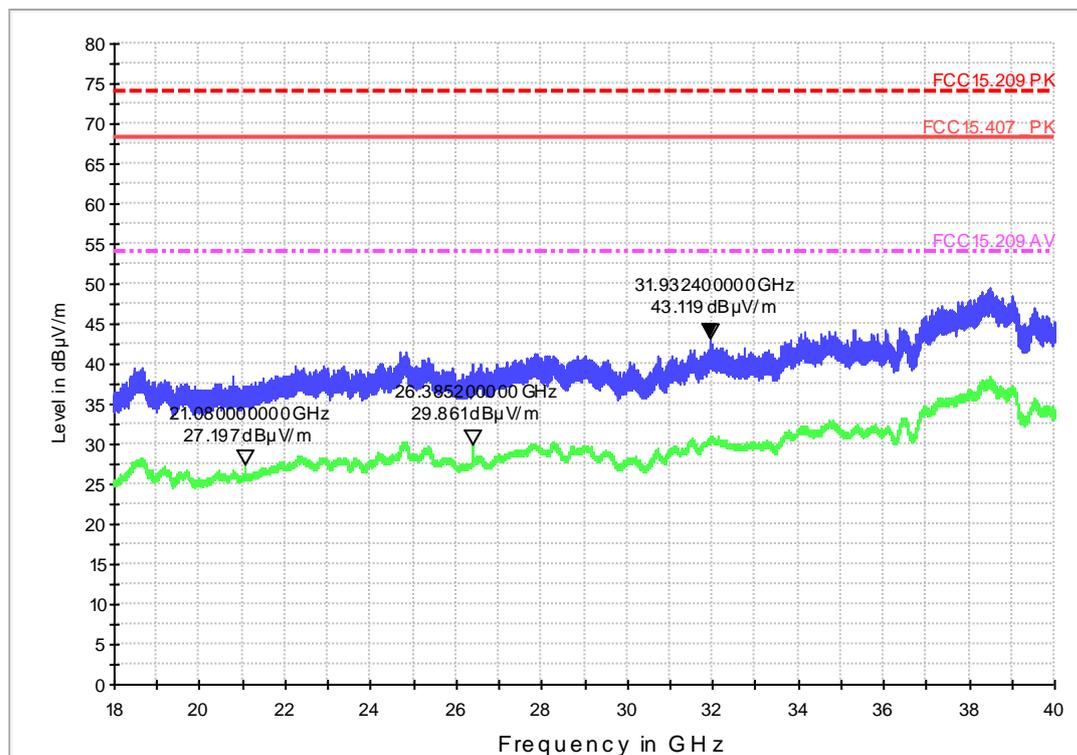
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor:	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 54, ac40-mode, MCS6

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



## 4.7. Channel 134 (AC40-Mode, MCS7 data rate)

### Diagram No.: 4.13c

#### Common Information

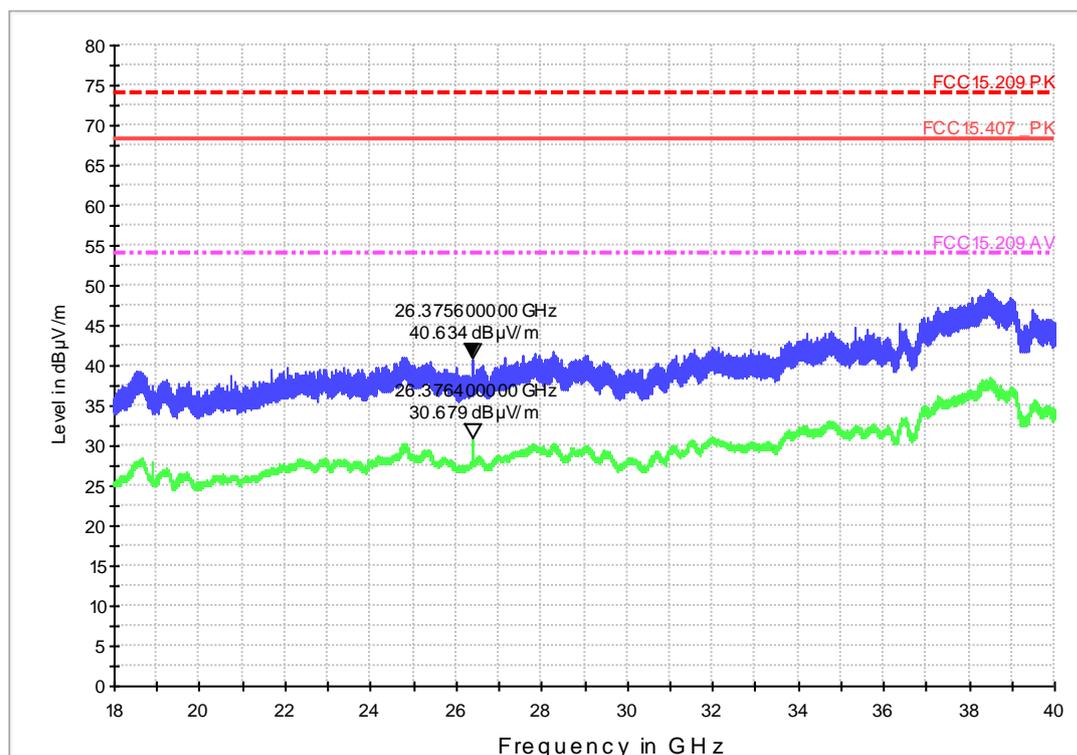
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 134 ac40-mode, MCS7

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test. Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



#### 4.8. Channel 58 (AC80-Mode, MCS0 data rate)

### Diagram No.: 4.15c

#### Common Information

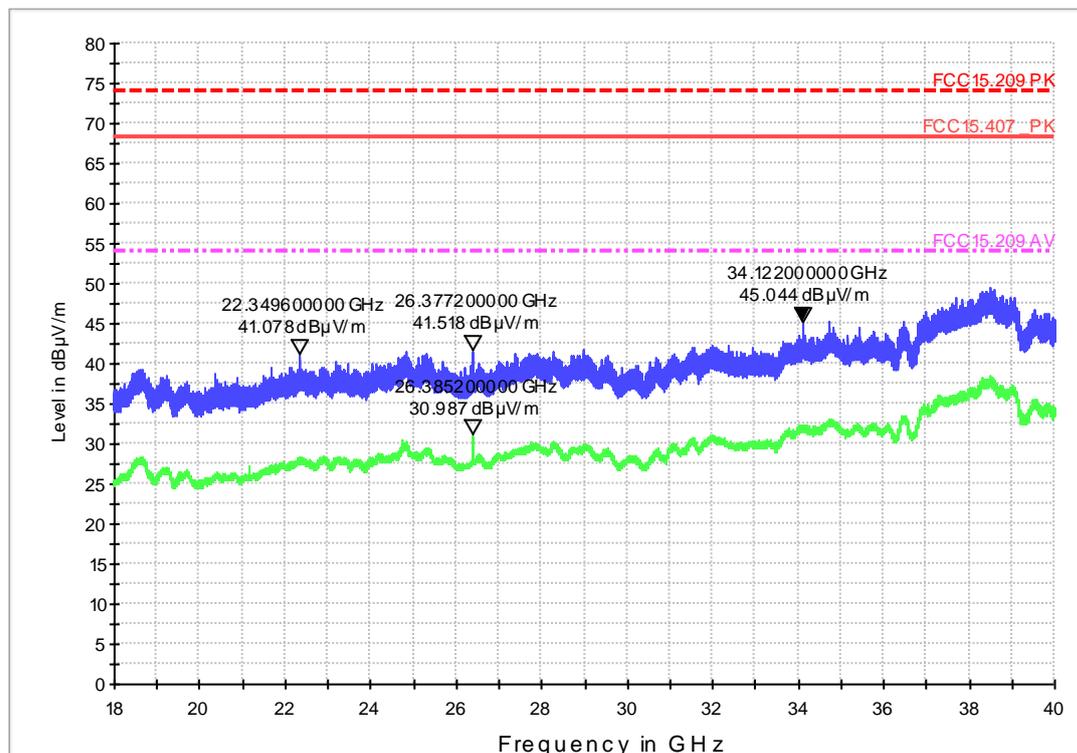
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 58, AC80-mode, MCS0

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



#### 4.9. Channel 106 (AC80-Mode, MCS0 data rate)

### Diagram No.: 4.16c

#### Common Information

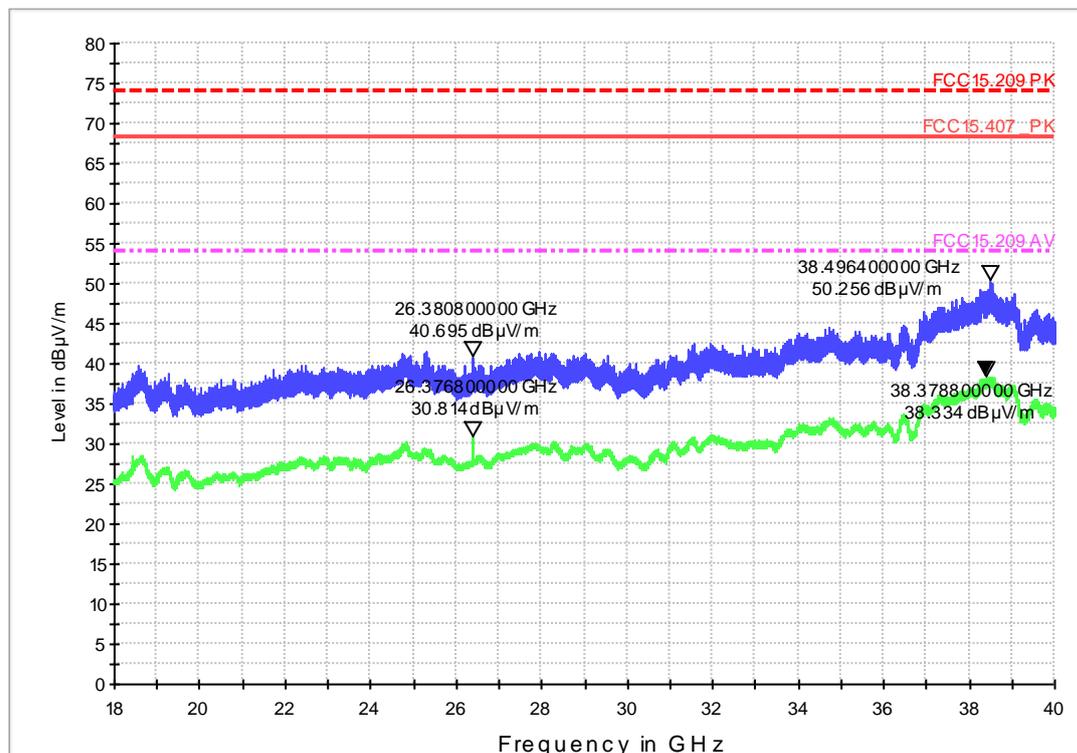
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment:	Channel 106, AC80-mode, MCS0

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC

EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

EMI Scan\_18\_40GHz\_Pre



## 5. Radiated band-edge measurements accord. §15.209 & §15.205 & §15.407

### 5.1. Channel 36 (a-Mode, 36Mbit data rate)

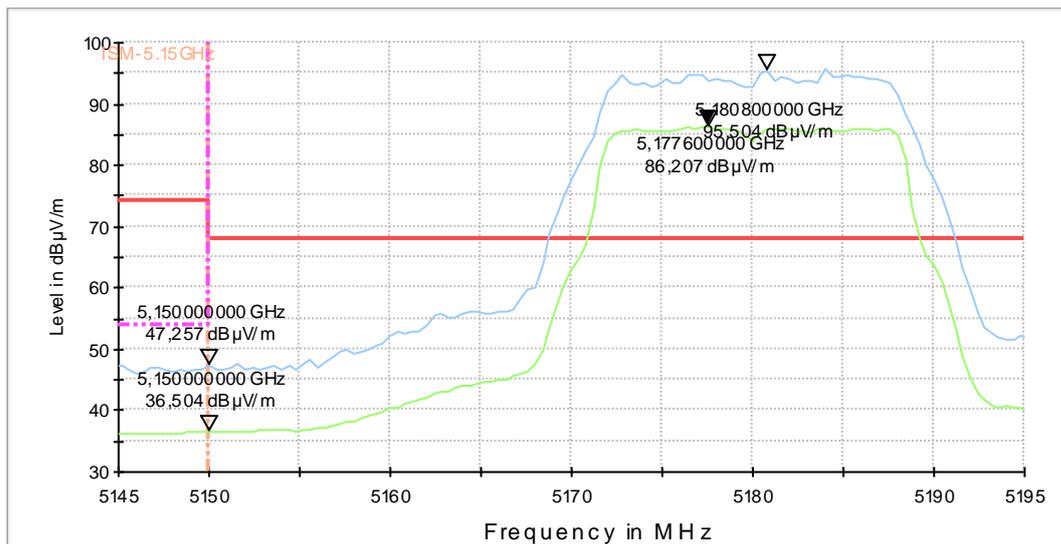
#### Diagram No.: 9.01\_BE\_Ch36\_aMode\_36MBit

#### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical

Operation mode:	TX, continuous
Operator Name:	HLa
Comment:	Channel no. low=36, a-Mode, 20MHz

00431\_SM1\_KP1\_WLAN\_FCC15407



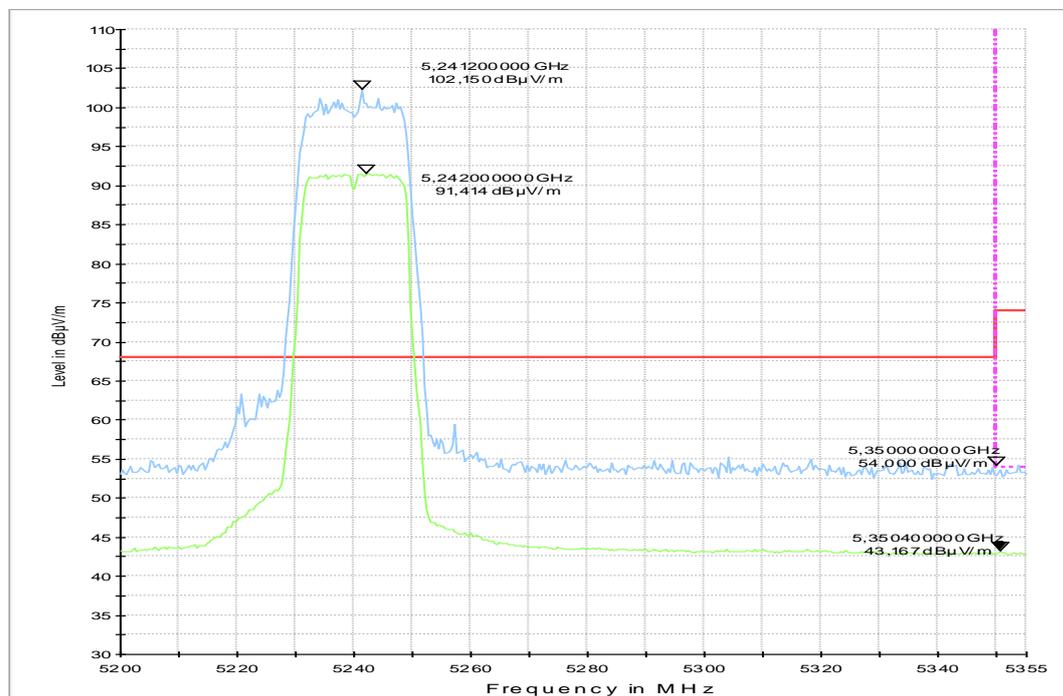
## 5.2. Channel 48 (AC20-Mode, MCS4 data rate)

### Diagram No.: 9.02\_BE\_Ch48\_AC20\_Mode\_MSC4

#### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, MSC4, ac20-Mode
Operator Name:	ABA
Comment:	Channel no. 48

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407



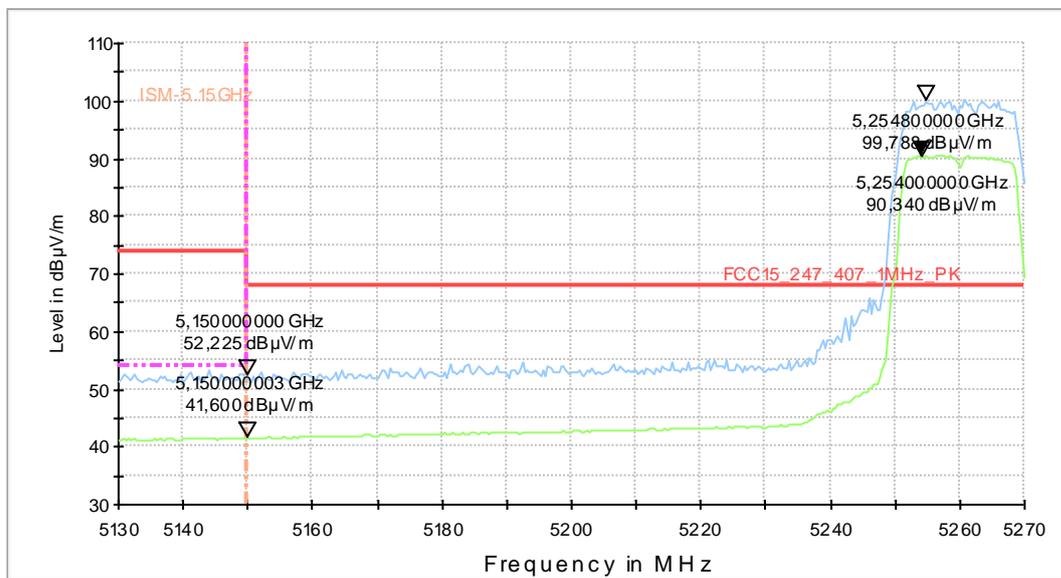
### 5.3. Channel 52 (AC20-Mode, MCS6 data rate)

## Diagram No.: 9.03\_BE\_Ch52\_AC20\_MCS6

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, MCS6, AC20-Mode
Operator Name:	ka
Comment:	Channel no. low=52
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(2)



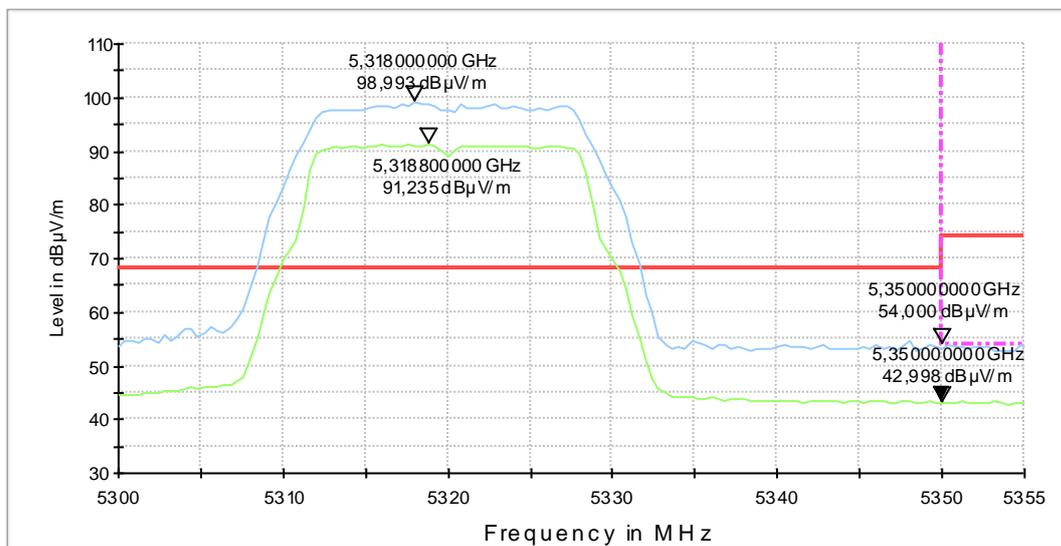
### 5.4. Channel 64 (a-Mode, 6Mbit)

## Diagram No.: 9.04\_BE\_Ch64\_a\_Mode\_20MHz\_6Bit

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, 6MBit, a-Mode
Operator Name:	ABA
Comment:	Channel no. high=64

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407



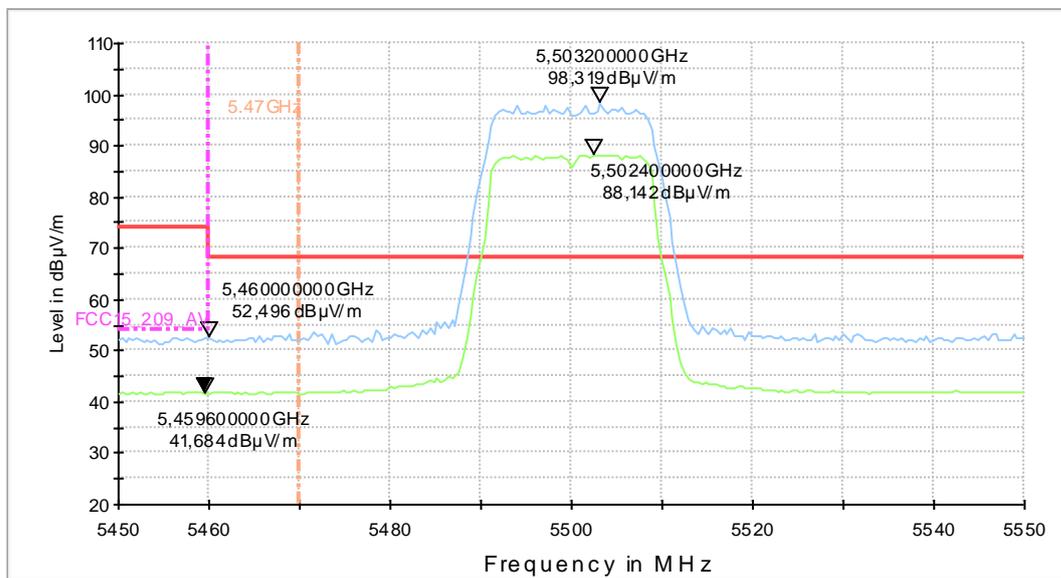
### 5.5. Channel 100 (AC20-Mode, MCS6)

## Diagram No.: 9.05\_BE\_Ch100\_AC20\_MCS6

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, MCS6, AC20-Mode
Operator Name:	cta
Comment:	Channel no. low=100
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(3)



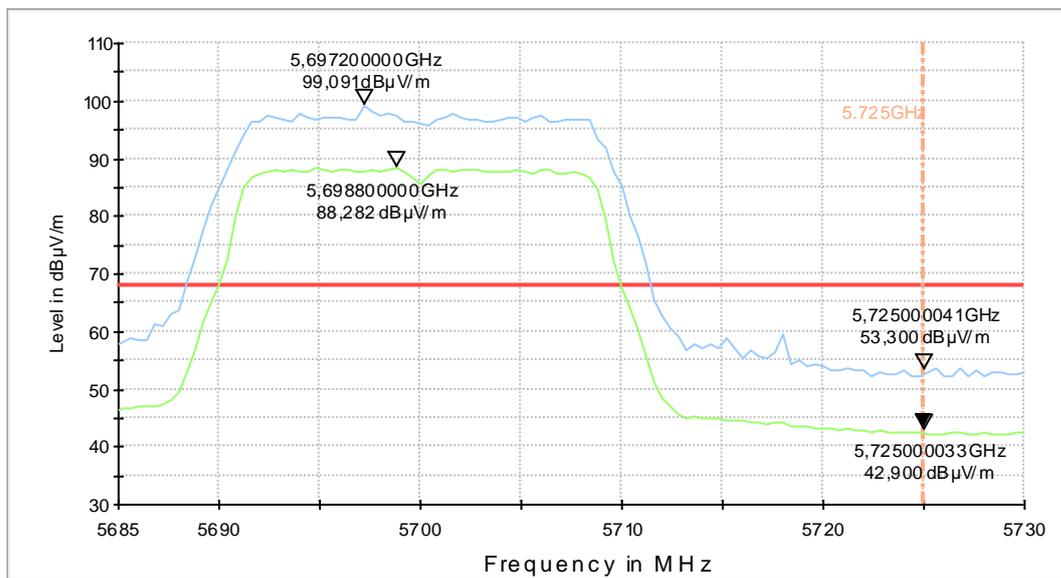
### 5.6. Channel 140 (AC20-Mode, MCS7)

## Diagram No.: 9.07\_BE\_Ch140\_AC20\_MCS7

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, MCS7, AC20-Mode
Operator Name:	кта
Comment:	Channel no. high=140
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407(b)(3)



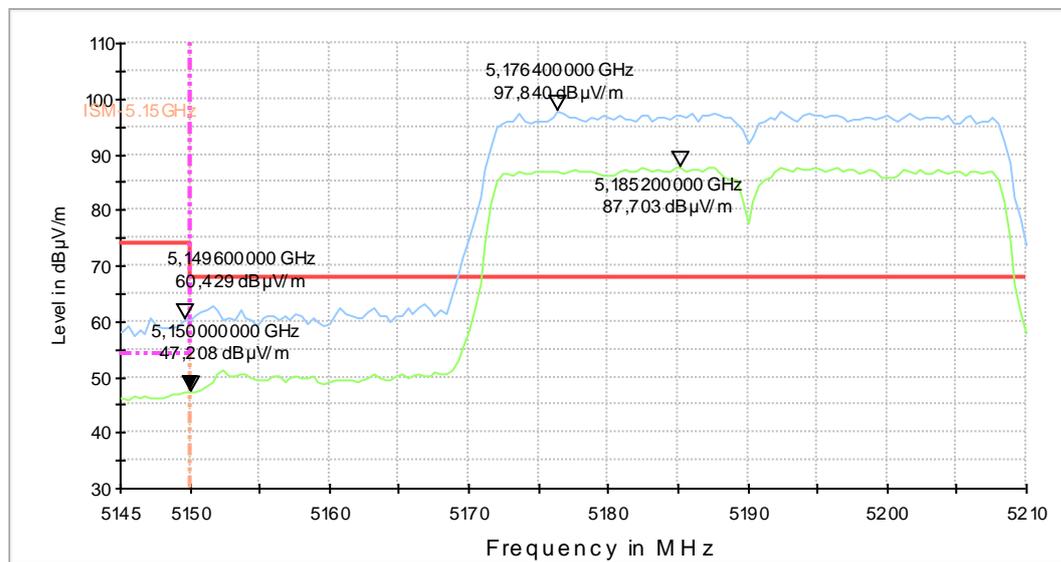
## 5.7. Channel 38 (AC40-Mode, MCS7)

### Diagram No.: 9.08\_BE\_Ch38\_AC40\_MCS7

#### Common Information

Test description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40-Mode, MCS7
Operator Name:	кта
Comment:	Channel no. low=38
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(1)



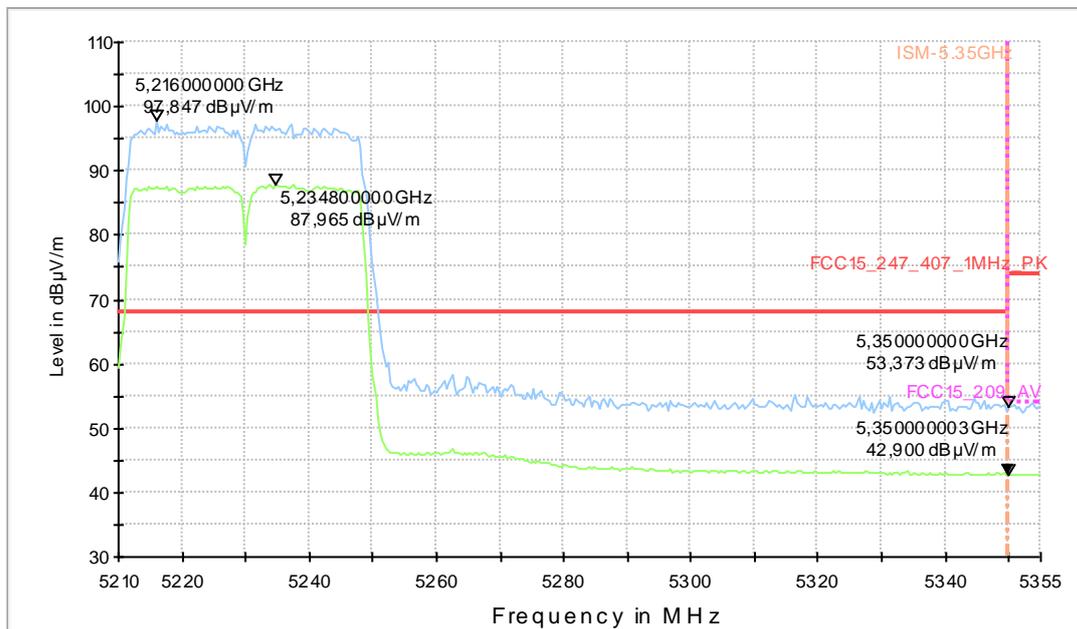
### 5.8. Channel 46 (AC40-Mode, MCS3)

## Diagram No.: 9.09\_BE\_Ch46\_AC40\_MCS3

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40-Mode, MCS3
Operator Name:	ABA
Comment:	Channel no. 46

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(1)



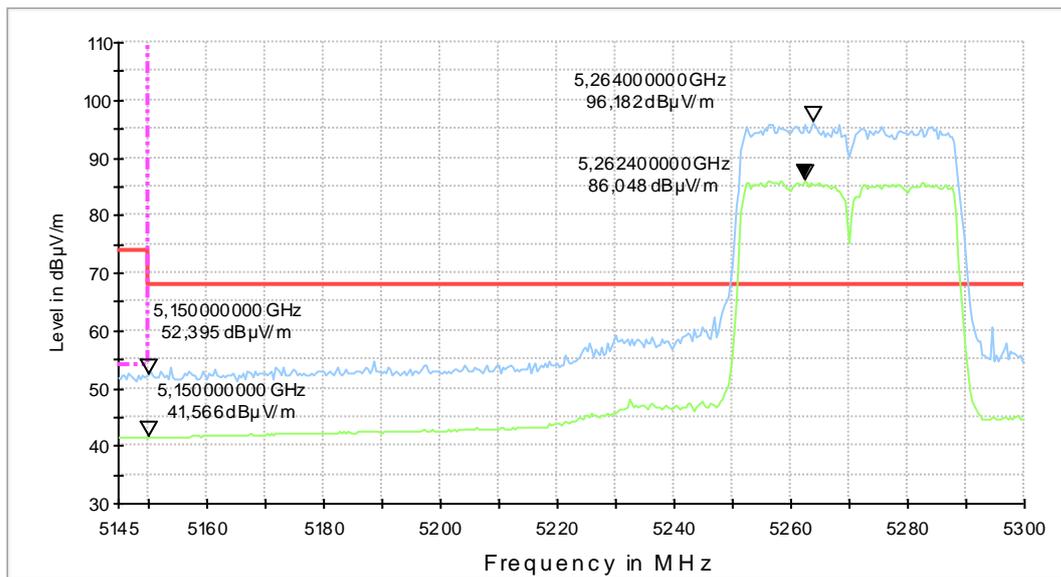
### 5.9. Channel 54

## Diagram No.: 9.10\_Ch54\_AC40\_MCS6

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40-Mode, MCS6
Operator Name:	ABA
Comment:	Channel no. 54

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(3)



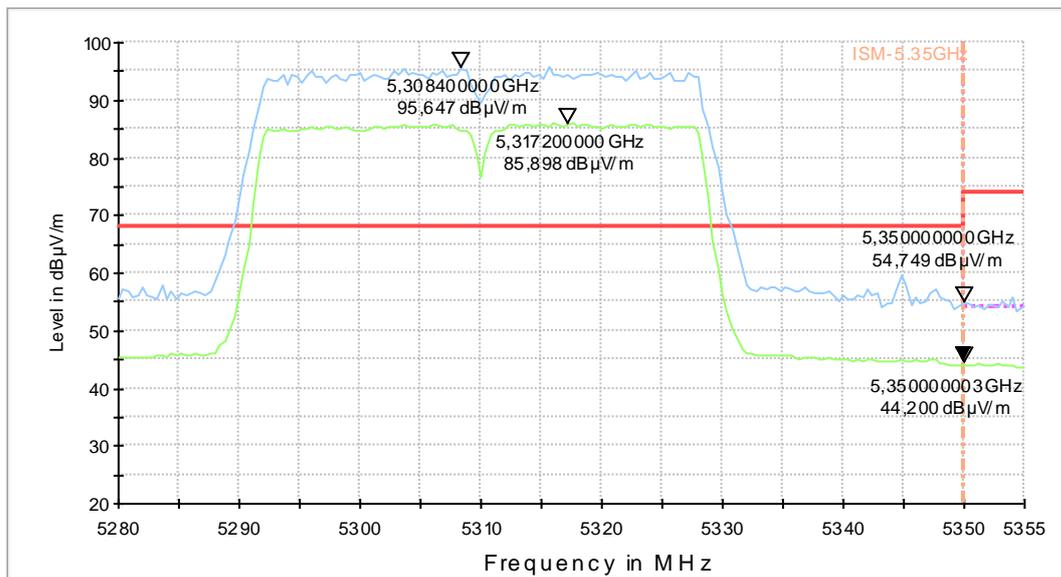
### 5.10. Channel 62

## Diagram No.: 9.11\_BE\_Ch62\_AC40\_MCS3

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40, MCS3
Operator Name:	FTe
Comment:	Channel no. high=62

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(2)



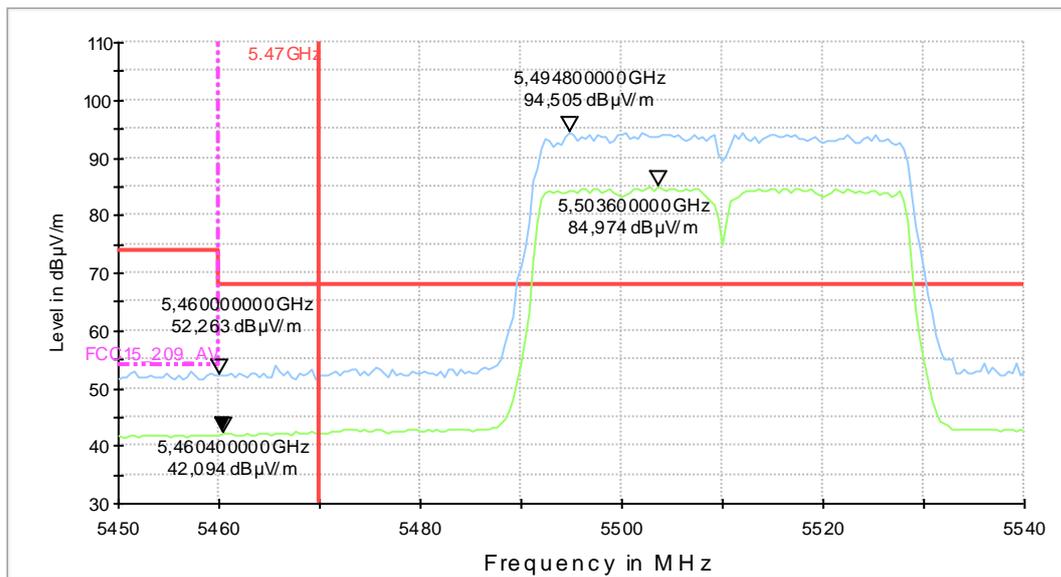
### 5.11. Channel 102

### 9.12\_BE\_Ch102\_AC40\_MCS4

#### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40, MCS4
Operator Name:	FTe
Comment:	Channel no. high=102

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(2)



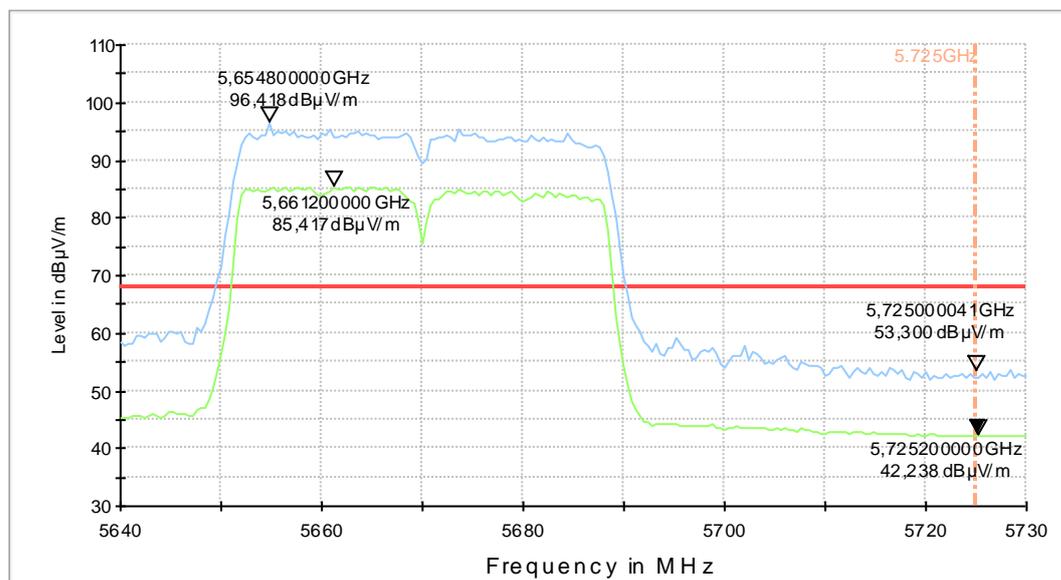
## 5.12. Channel 134

### Diagram No.: 9.13\_BE\_Ch134\_AC40\_MCS7

#### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	FTe
Comment:	Channel no. 134

00431\_Sweep1\_SM1\_KP1\_WLAN\_FCC15407(b)(3)



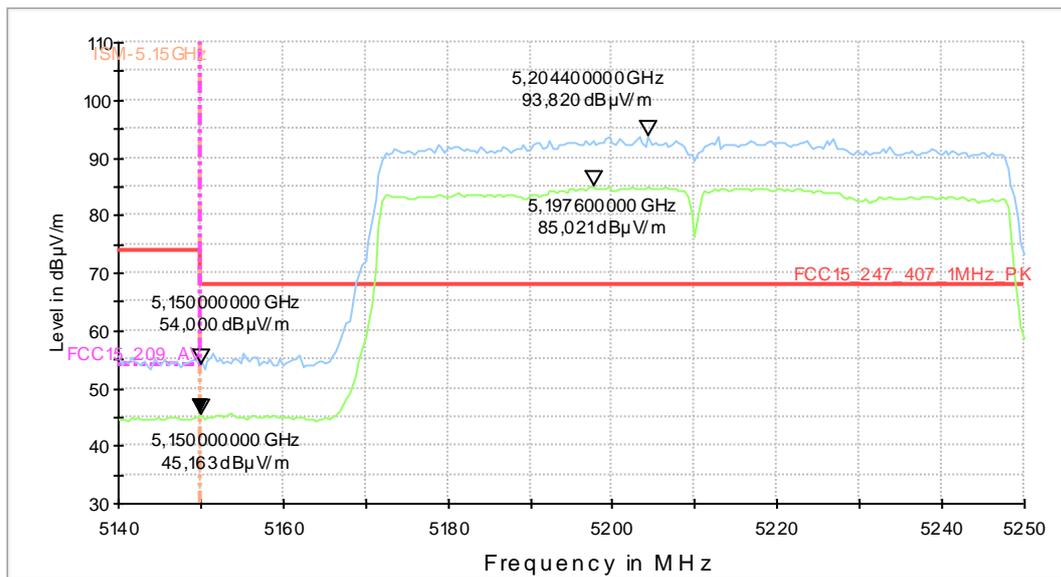
### 5.13. Channel 42

## Diagram No.: 9.14\_BE\_Ch42\_AC80\_MCS0

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	FTE
Comment:	Channel no. 42

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407(b)(1)



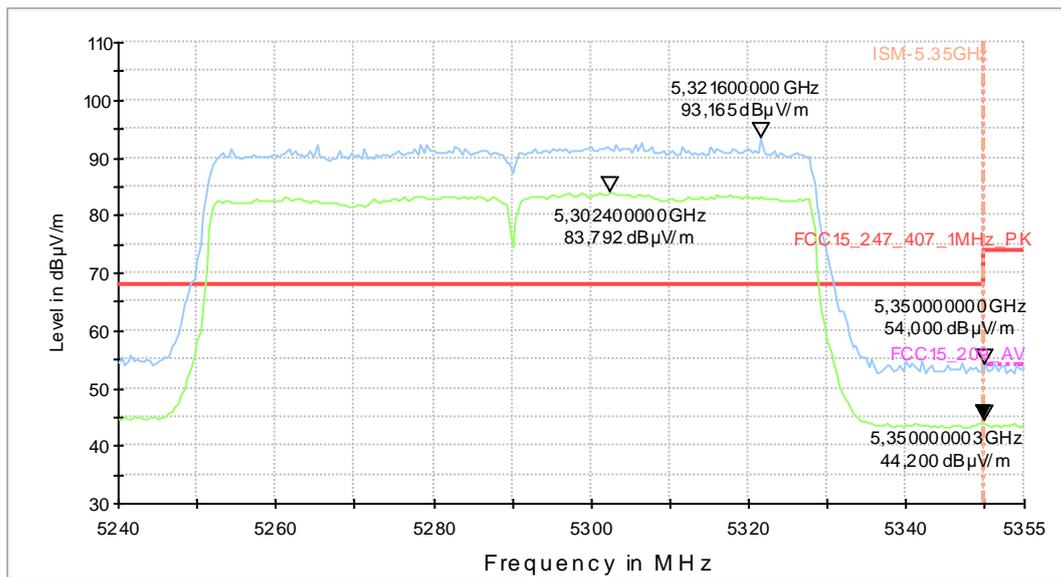
### 5.14. Channel 58

## Diagram No.: 9.15\_BE\_Ch58\_AC80\_MCS0

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	FTE
Comment:	Channel no. 58

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407 (b)(2)



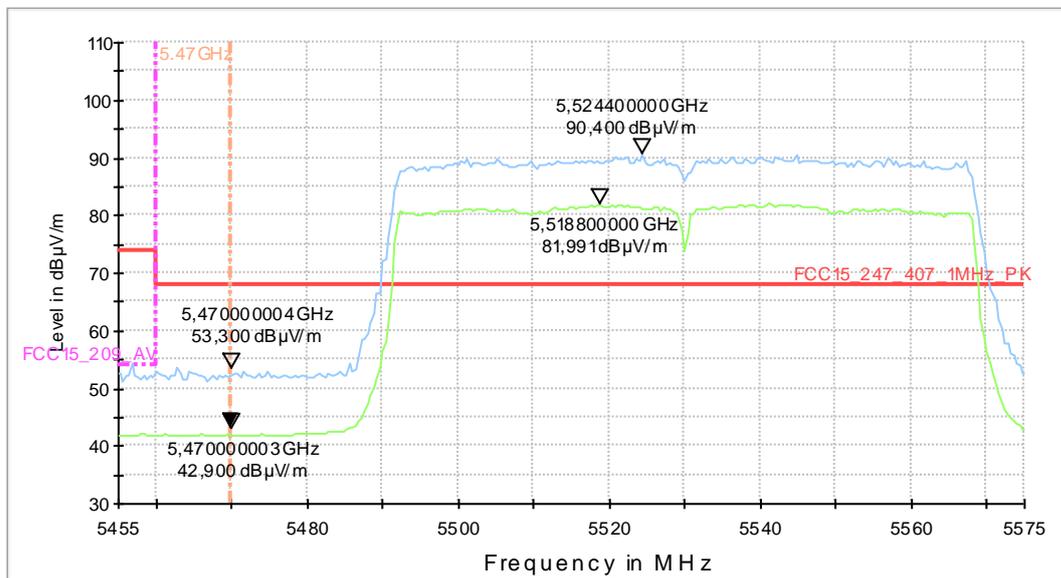
### 5.15. Channel 106

## Diagram No.: 9.16\_BE\_Ch106\_AC80\_MCS0

### Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209&15.205 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	FTE
Comment:	Channel no. 106

00431\_Sweep1\_SM1\_KP1\_W LAN\_FCC15407(b)(3)



## 6. Radiated EMI measurements accord. §15.109 class B

### 6.1. Frequency range 30MHz to 1000MHz

#### Diagram No. 3.06\_RX-Mode\_Ch116

Date: 17.03.2014 Page 1 of 1  
 Test description: Electric Filed strength Measurement  
 Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3m measurement distance  
 Version of Testsoftware: 8.51.0  
 Distance correction: not used  
 Used filter: not used  
 Test specification: FCC15.109, class B; RSS-Gen.: Issue 3

Operator: dpa  
 Operating conditions: RX Mode, Ch116  
 Measured sides of EUT: front, right, rear, left, top, under  
 Power during tests: 120V 60Hz, battery fully charged  
 Comment 1: -

#### EUT Information

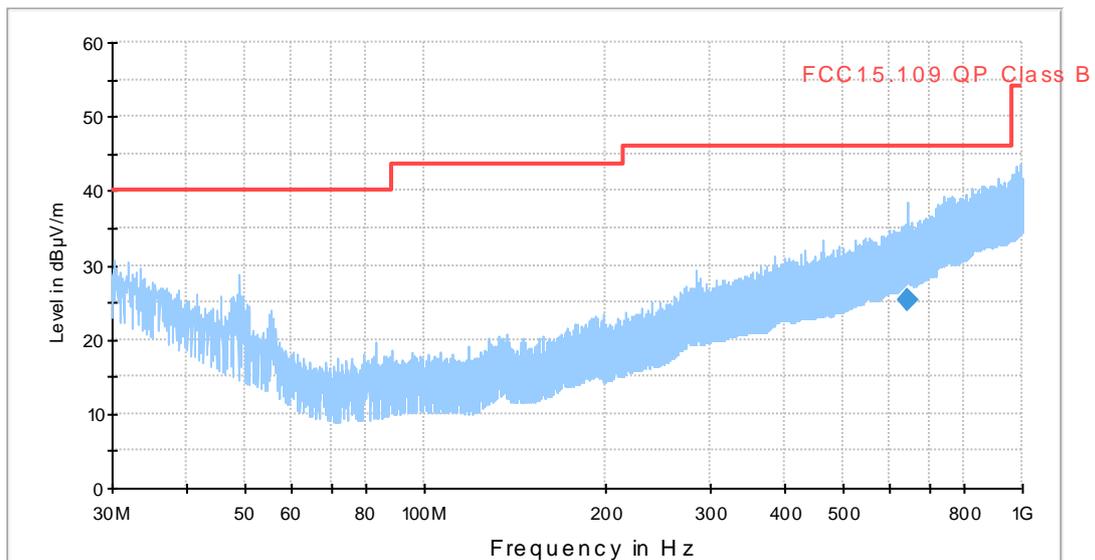
Manufacturer: Sony  
 FDD ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC

-----  
 EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DPPP9  
 Connected Interfaces: Power Supply (EP850) ; USB-cable (EC700)  
 Power Supply: Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test  
 Comments: -

#### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
644.480000	25.4	1000.0	120.000	368.0	H	217.0	0.0	23.5	20.6	46.0

05\_FCC15.109\_hor+vert\_kipp



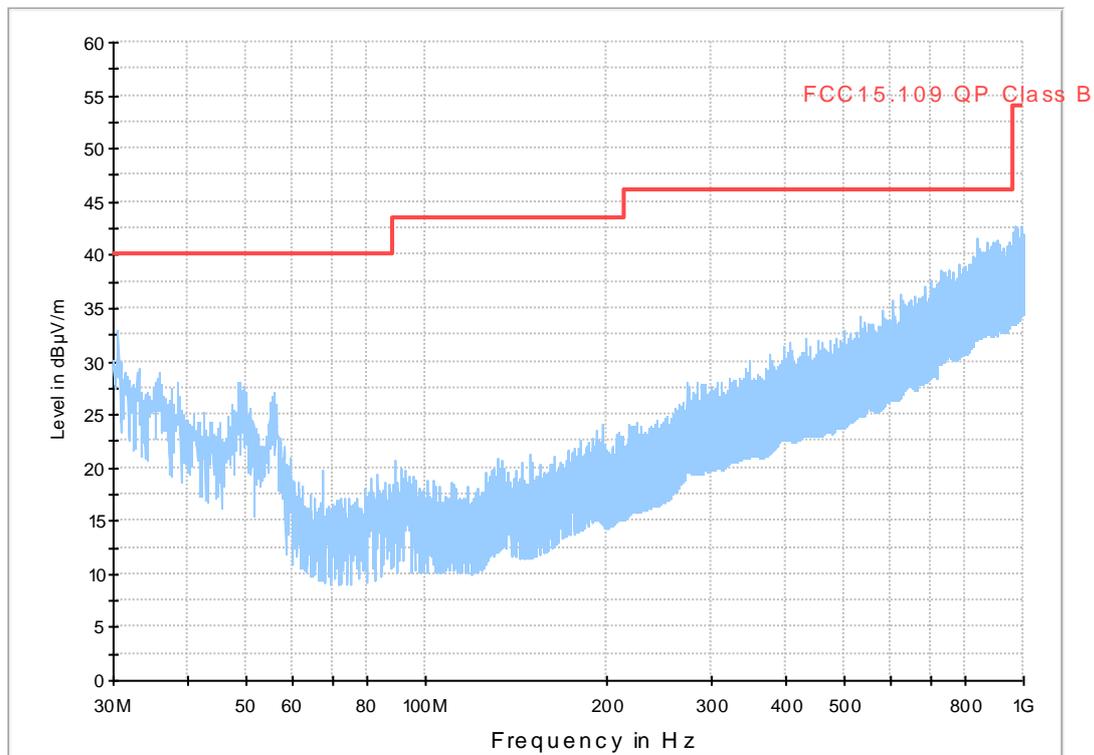
## Diagram No. 3.07\_RX-Mode\_Ch56

Date:	17.03.2014	Page 1 of 1
Test description:	Electric Filed strength Measurement	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	not used	
Used filter:	not used	
Test specification:	FCC15.109, class B; RSS-Gen.: Issue 3	
Operator:	dpa	
Operating conditions:	WLAN 5G, RX Mode, Ch56	
Measured sides of EUT:	front, right, rear, left, top, under	
Power during tests:	120V 60Hz, battery fully charged	
Comment 1:	-	

### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

05\_FCC15.109\_hor+vert\_kipp



## 6.2. Frequency range 1GHz to 16GHz

### Diagram 4.13\_UN2C\_Ch116\_RX

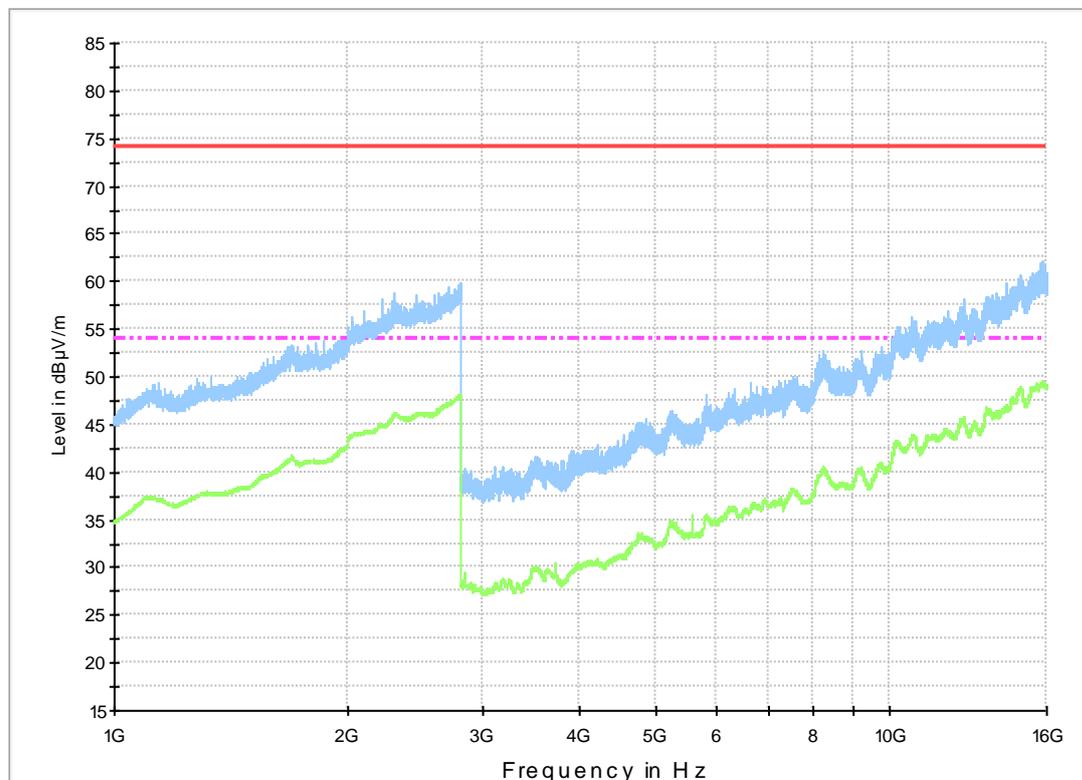
#### Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.109
Section:	15.109
Operating Mode:	Rx, a-Mode, Ch116
Equipment Class:	Class B
Environmental Conditions:	Humidity: 44%rH; Temperature: 20°C
Operator:	GAr

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

030442\_FCC\_Part15.109\_Unint\_Rad\_Class\_B\_1G-20G\_ESU40



### Diagram 4.14\_UN2A\_Ch56\_RX

#### Common Information

Test Description:	Radiated Filed Strength Emission
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 15.109
Section:	15.109
Operating Mode:	Rx, a-Mode, Ch56
Equipment Class:	Class B
Environmental Conditions:	Humidity: 34%rH; Temperature: 22°C
Operator:	KTa

#### EUT Information

Manufacturer:	Sony
FDD ID:	PY7TM-0042
Type:	GSM-/ WCDMA- /LTE Tablet PC
-----	
EUT:	RSE #01
HW version:	AP1
SW version:	17.1.D.0.108
SVN:	-
Config:	-
Serial number:	CB5126DPP9
Connected Interfaces:	Power Supply (EP850) ; USB-cable (EC700)
Power Supply:	Battery fully charged before test, Device is powered via Power Supply & USB cable connected to 120VAC/60Hz during test
Comments:	-

030442\_FCC\_Part15.109\_Unint\_Rad\_Class\_B\_1G-20G\_ESU40

