

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>DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01</p>	 <p>FEDERAL COMMUNICATIONS COMMISSION FC 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>WiFi ALLIANCE</p> <p>AUTHORIZED RF LABORATORY</p>	 <p>CTIA Authorized Test Lab LAB CODE 20011130-00</p>		
accredited according to DIN EN ISO/IEC 17025			
<p align="center">CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com</p>			

Table of contents

1. MAGNETIC FIELD STRENGTH MEASUREMENTS $F < 30\text{MHz}$	4
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
2. RADIATED FIELD STRENGTH MEASUREMENTS $30\text{MHz} < F < 1\text{GHz}$	9
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
3. RADIATED FIELD STRENGTH MEASUREMENTS $F > 1\text{GHz}$	14
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
4. RADIATED FIELD STRENGTH MEASUREMENTS $18\text{GHz} < F < 40\text{GHz}$	46
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
5. RADIATED BAND-EDGE MEASUREMENTS ACCORD. §15.209 & §15.205 & §15.407	55
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
6. RADIATED EMI MEASUREMENTS ACCORD. §15.109 CLASS B.....	70
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

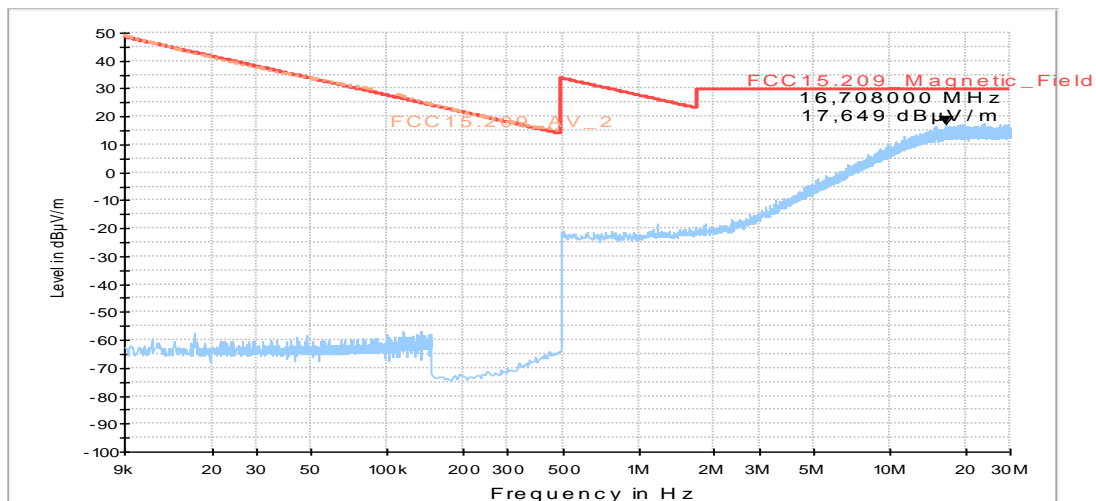
Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	used accord. table, pls. see test report	
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

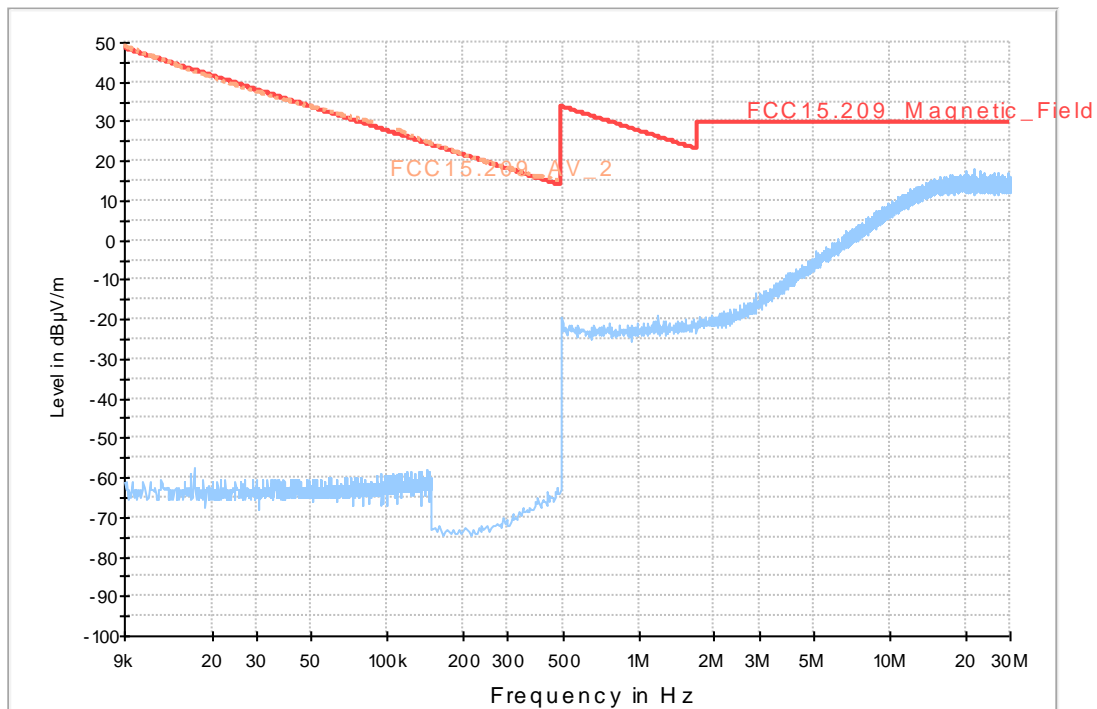
Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	used accord. table, pls. see test report	
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

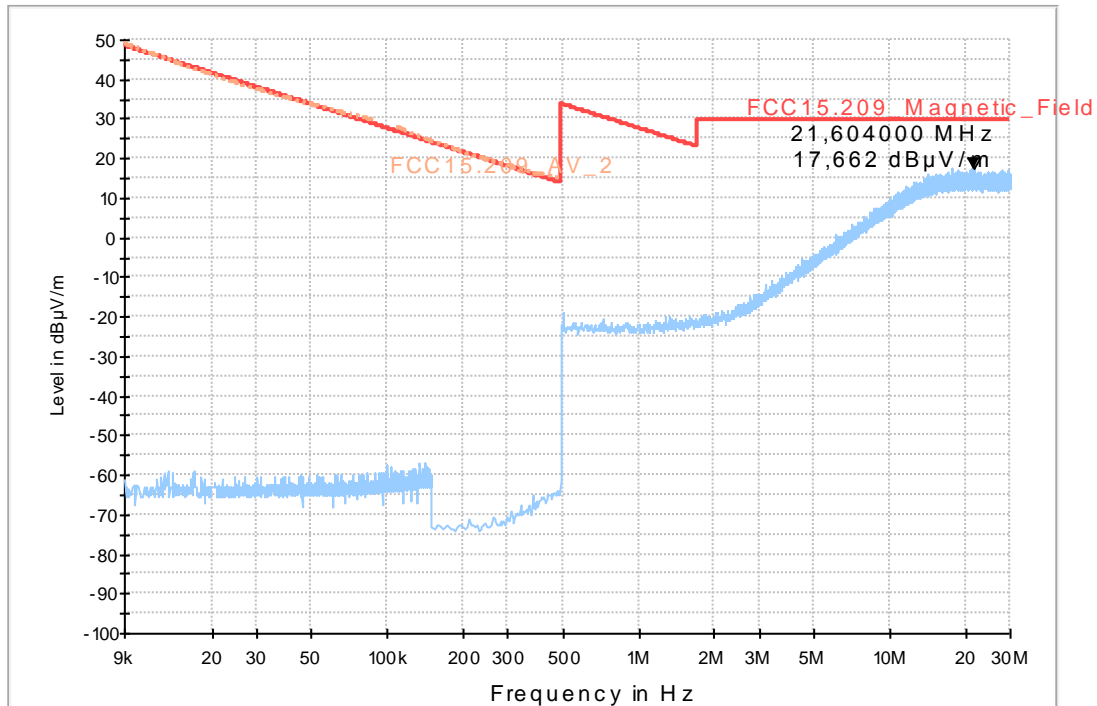
Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	used accord. table, pls. see test report	
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

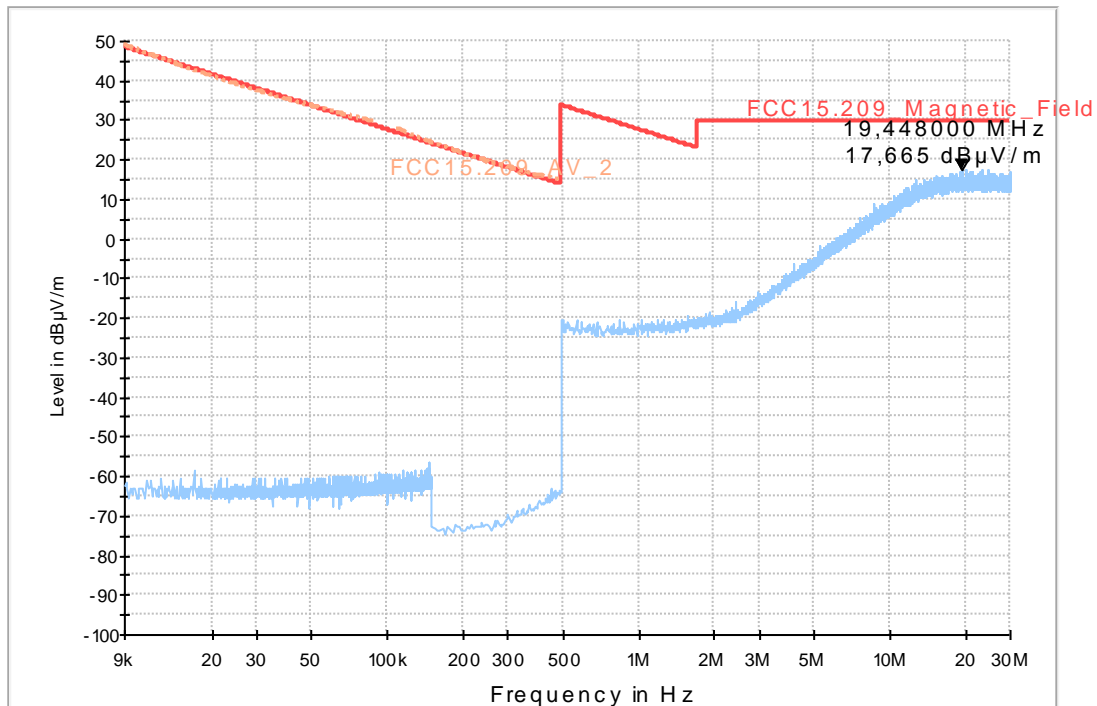
Date:	11.03.2014	Page 1 of 2
Test description:	Magnetic Field strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	used accord. table, pls. see test report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

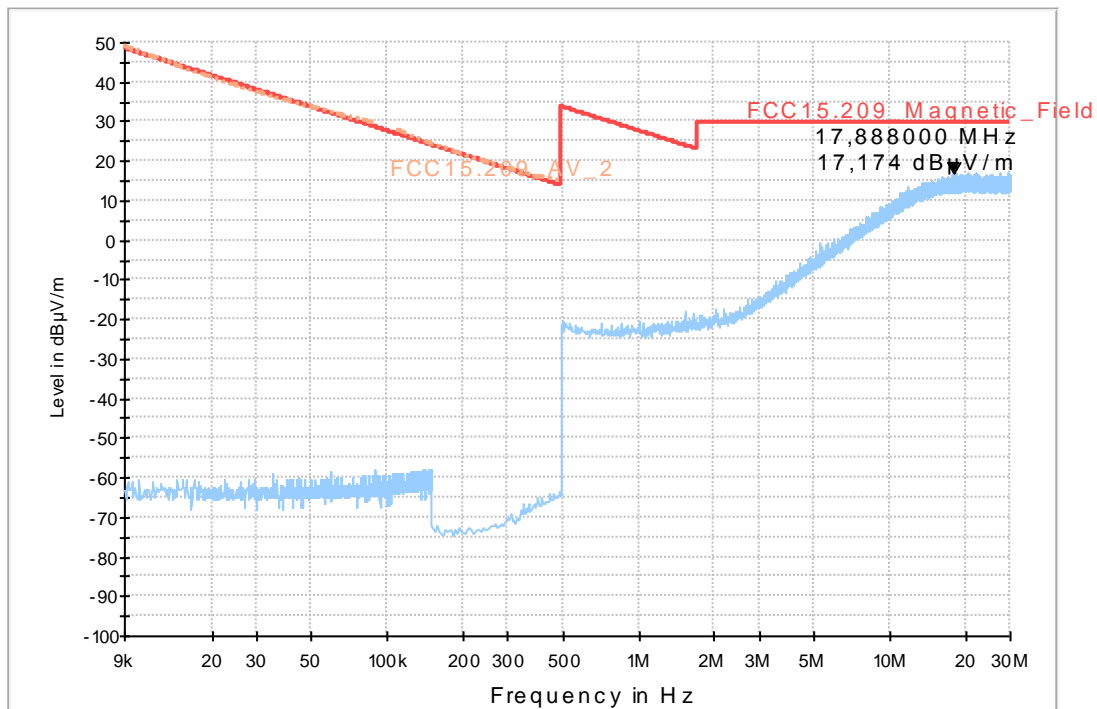
Operator:	KRe
Operating conditions:	TX-on continuous, MCS9, ac80-Mode
Power during tests:	12V DC, 110V/60Hz, full loaded batteries
Comment 1:	Channel 58
Comment 2:	

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 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:

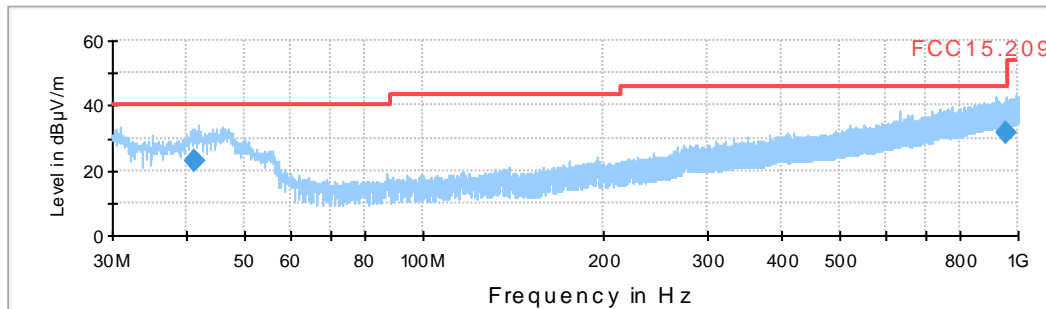
EUT Information

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)
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

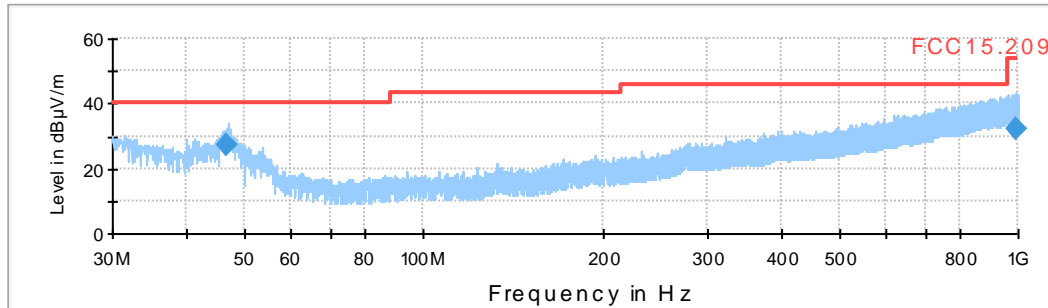
Operator: ABA
 Operating conditions: WLAN
 Power during tests: 120V 60Hz
 Comment 1:

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

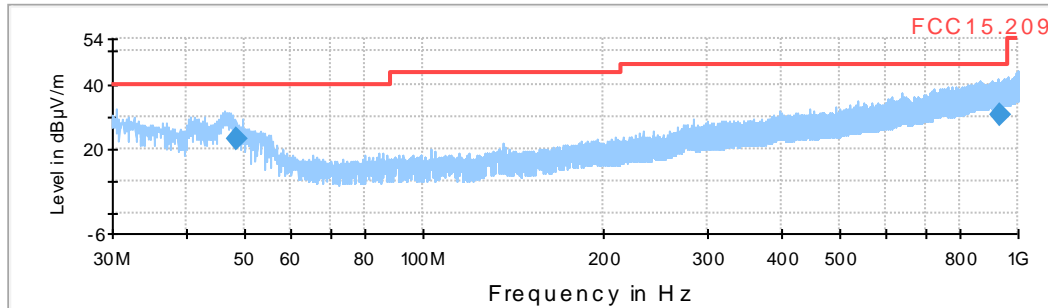
Operator: ABA
 Operating conditions: WLAN
 Power during tests: 120V 60Hz
 Comment 1:

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

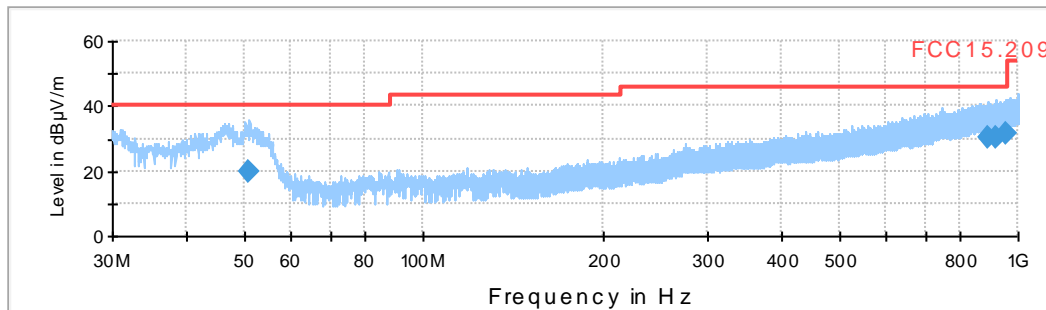
Operator: dpa
 Operating conditions: WLAN 2,4GHz, Ch62, AC40, MCS3
 Power during tests: 120V 60Hz
 Comment 1:

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:

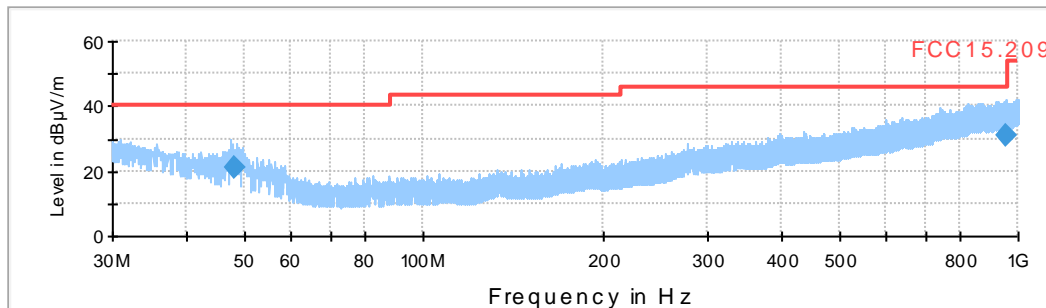
EUT Information

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

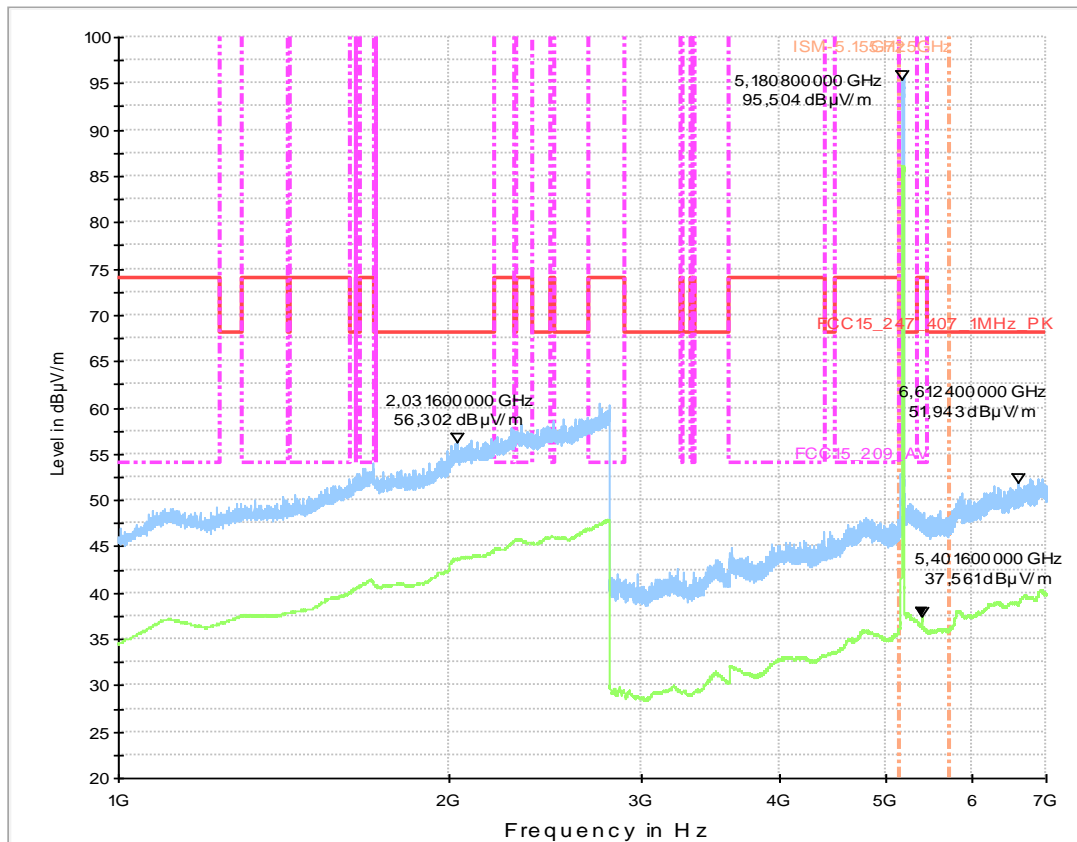
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	HLa
Comment:	Channel no. low=36, a-Mode, 20MHz

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

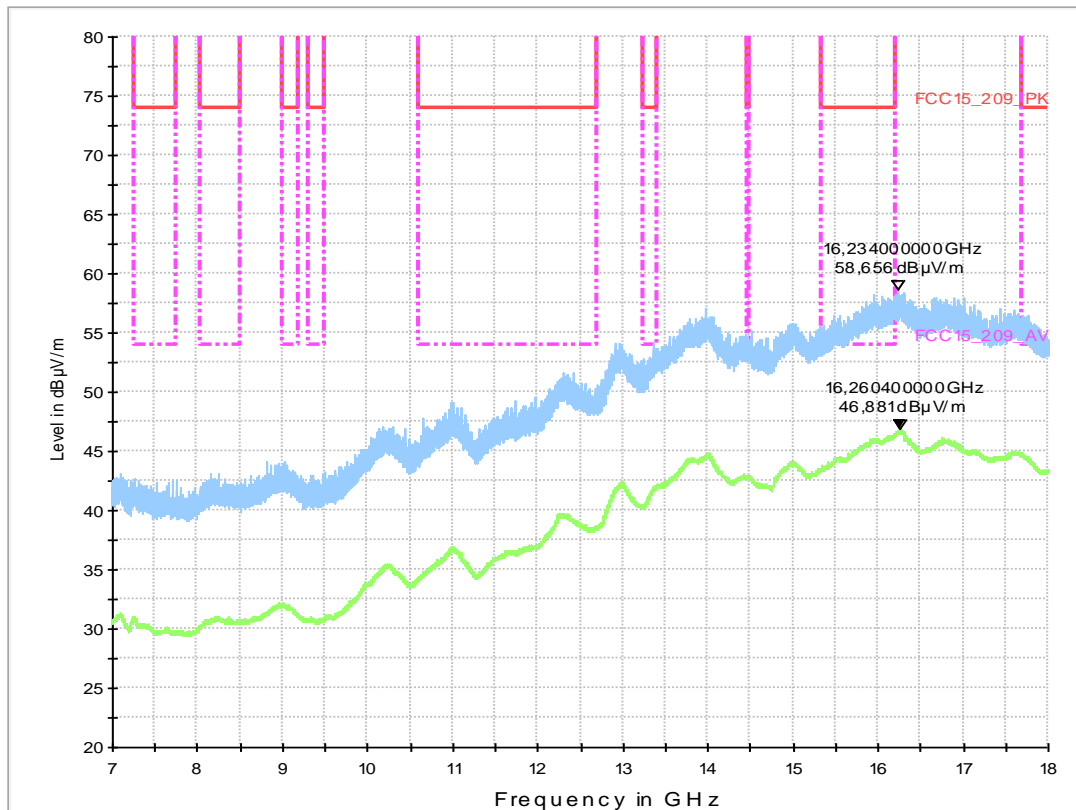
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, a-Mode, 36MB, Ch36
Operator Name:	кта
Comment:	Channel no. 36
Test Conditions: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

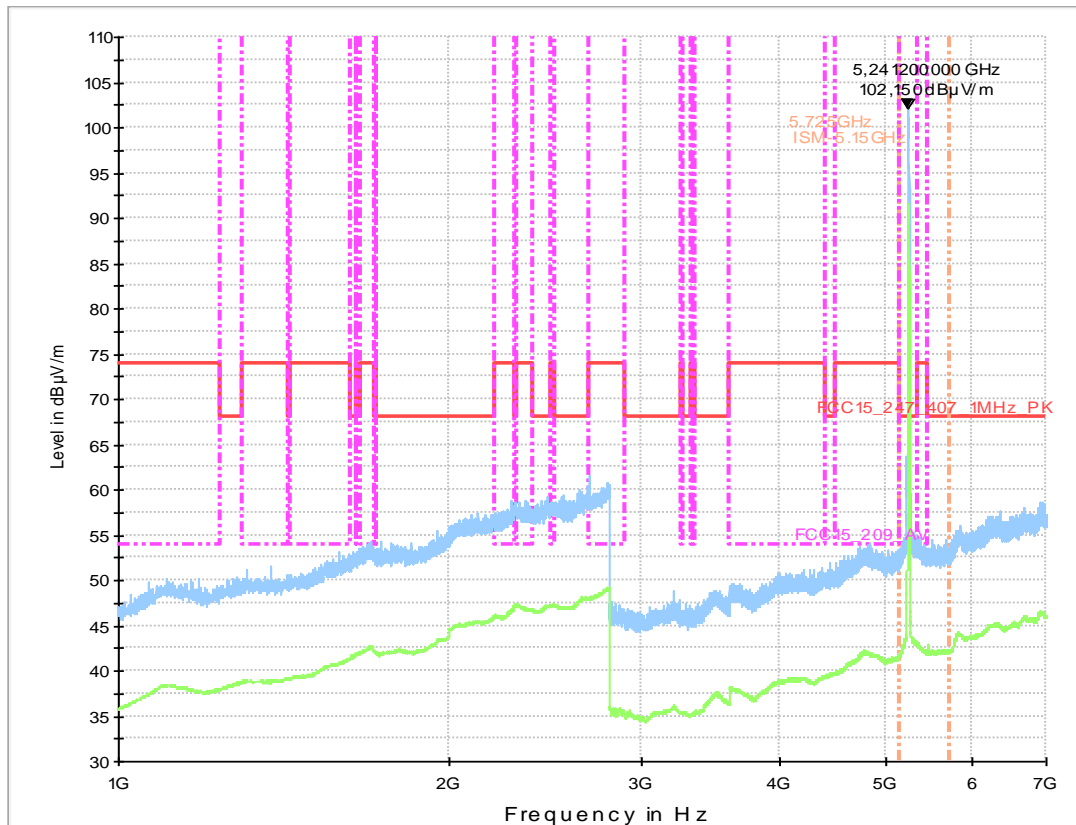
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, MSC4, ac20-Mode
Operator Name:	ABA
Comment:	Channel no. 48

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

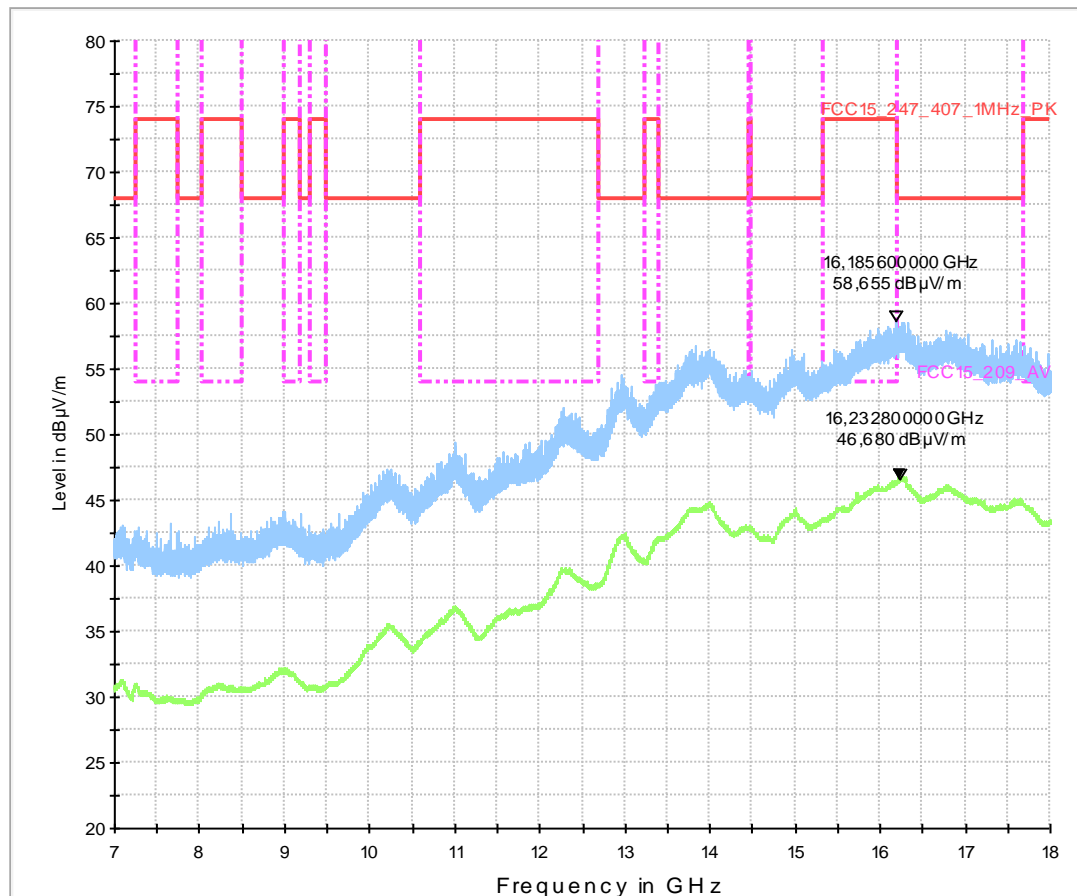
Operation mode: TX, continuous, AC20-Mode, MCS4
 Operator Name: Lor
 Comment: Channel no. high=48

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:	cta
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)

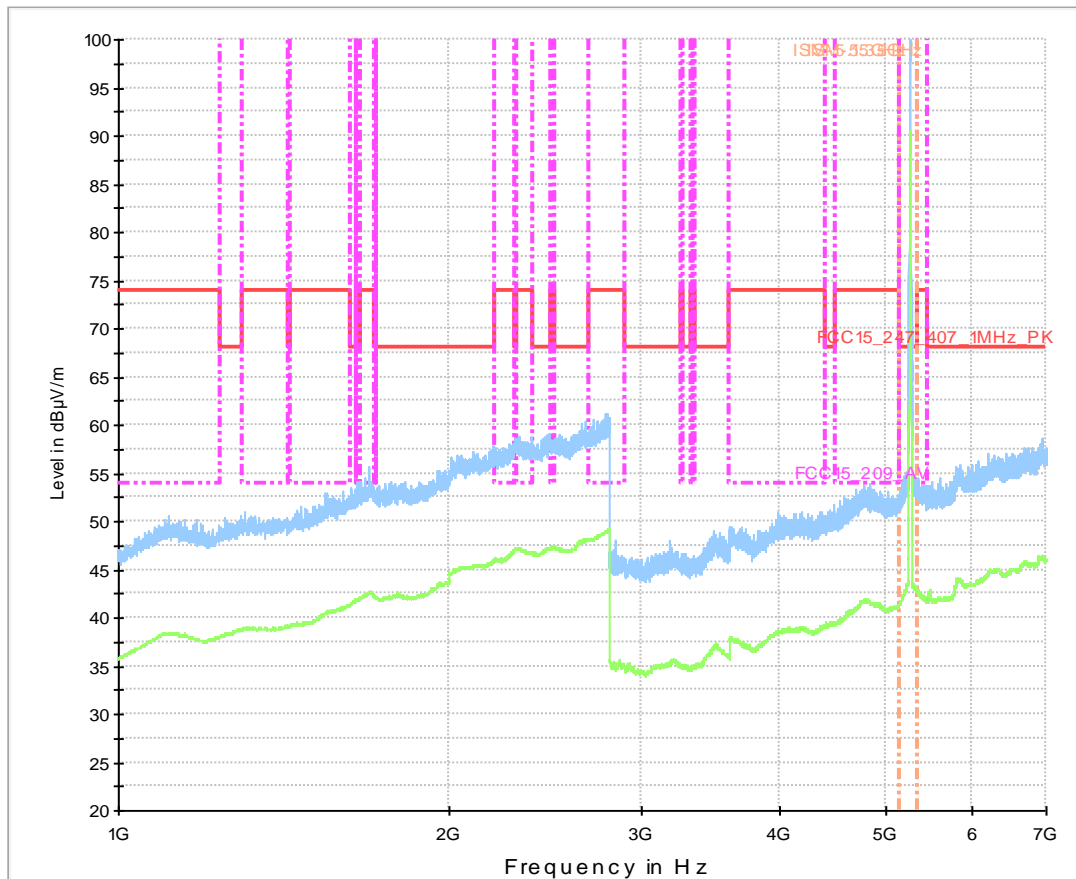


Diagram No.: 4.03b_Ch52_ac20Mode_MCS6

Common Information

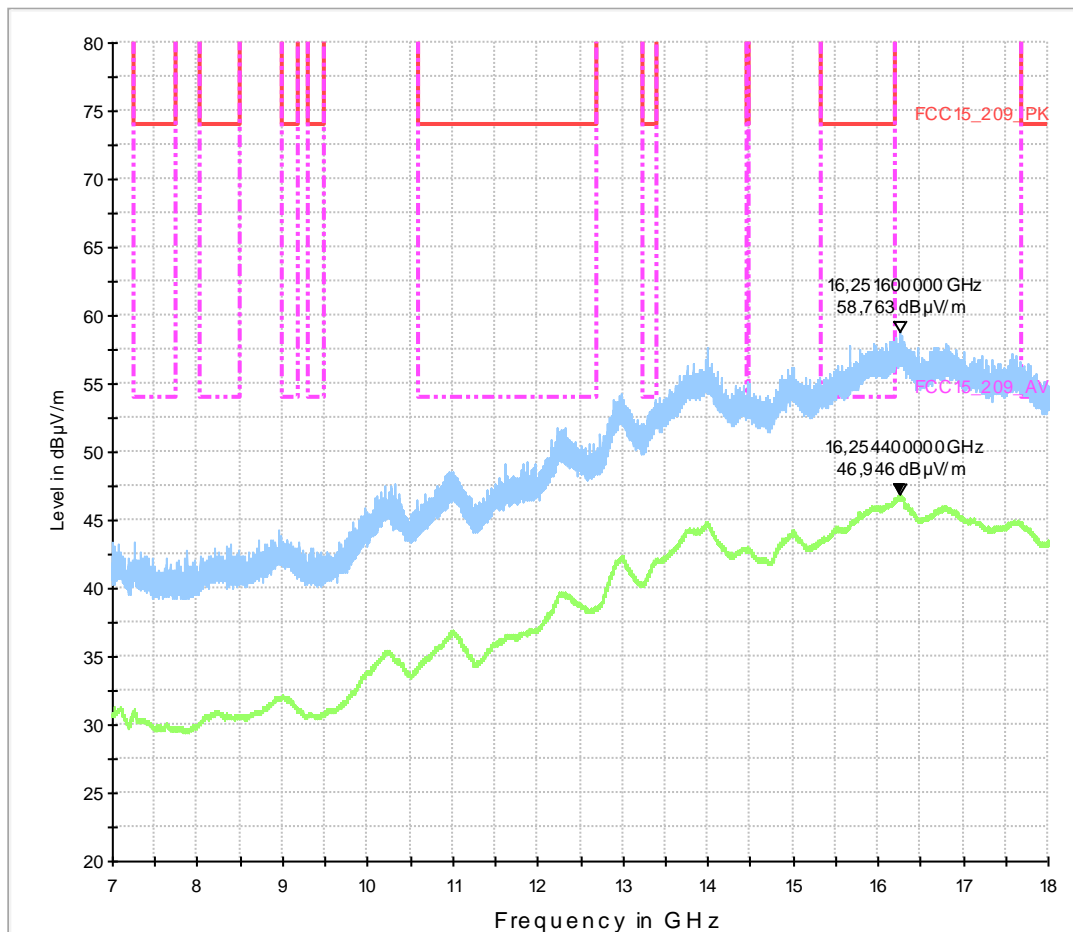
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC20Mode, MCS6, Ch52
Operator Name:	кта
Comment:	Channel no. 52
Test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

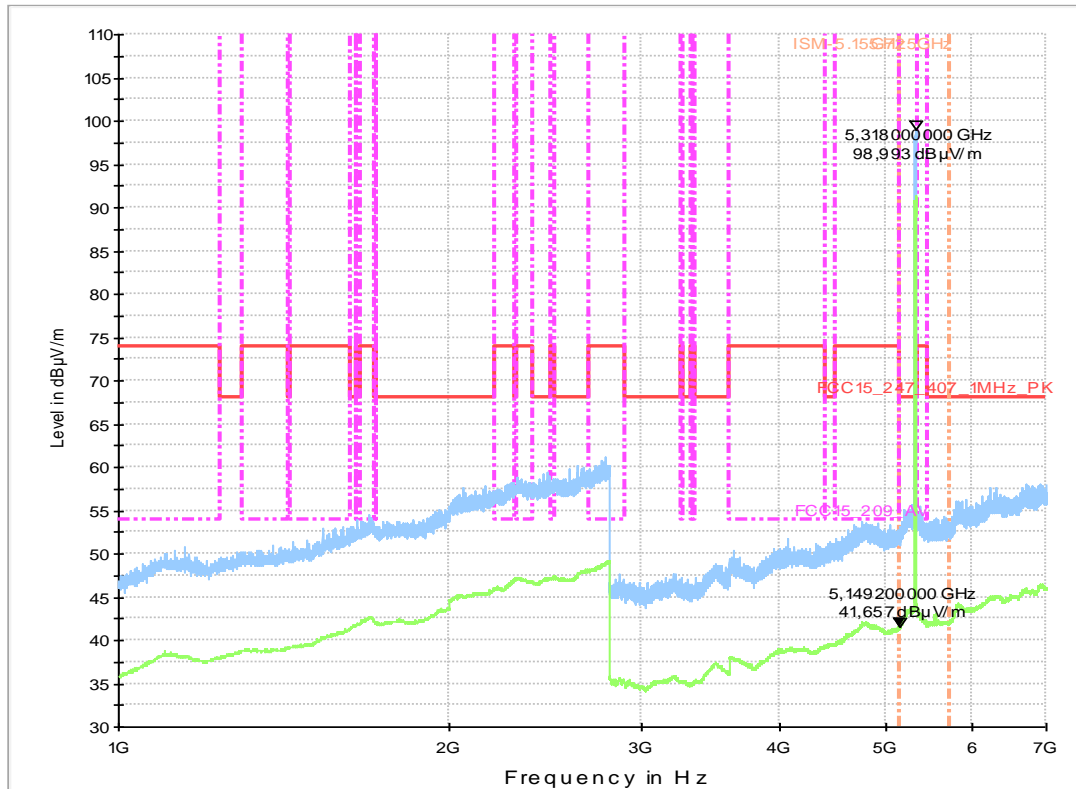
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, 6MBit, a-Mode
Operator Name:	ABA
Comment:	Channel no. high=64

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

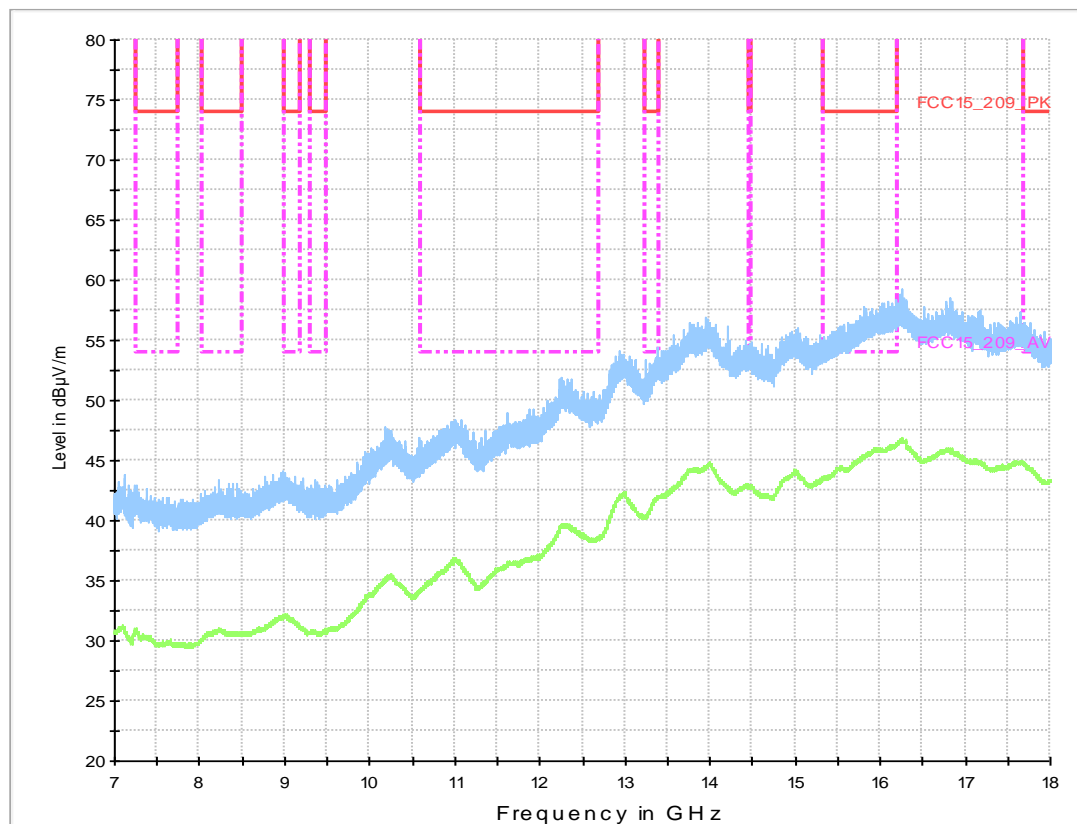
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, a-Mode, 6MB, Ch64
Operator Name:	кта
Comment:	Channel no. 64
Test Conditions: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

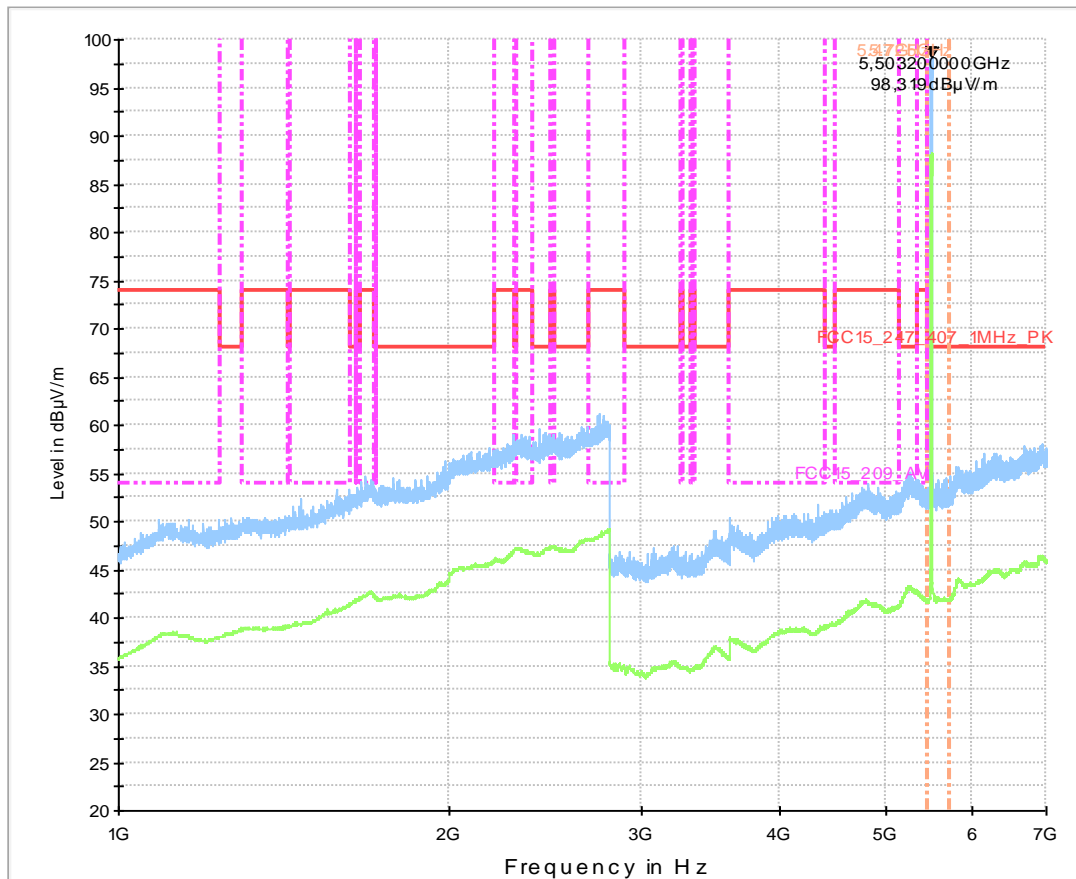


Diagram No.: 4.05b_Ch100_ac20-Mode_MSC6

Common Information

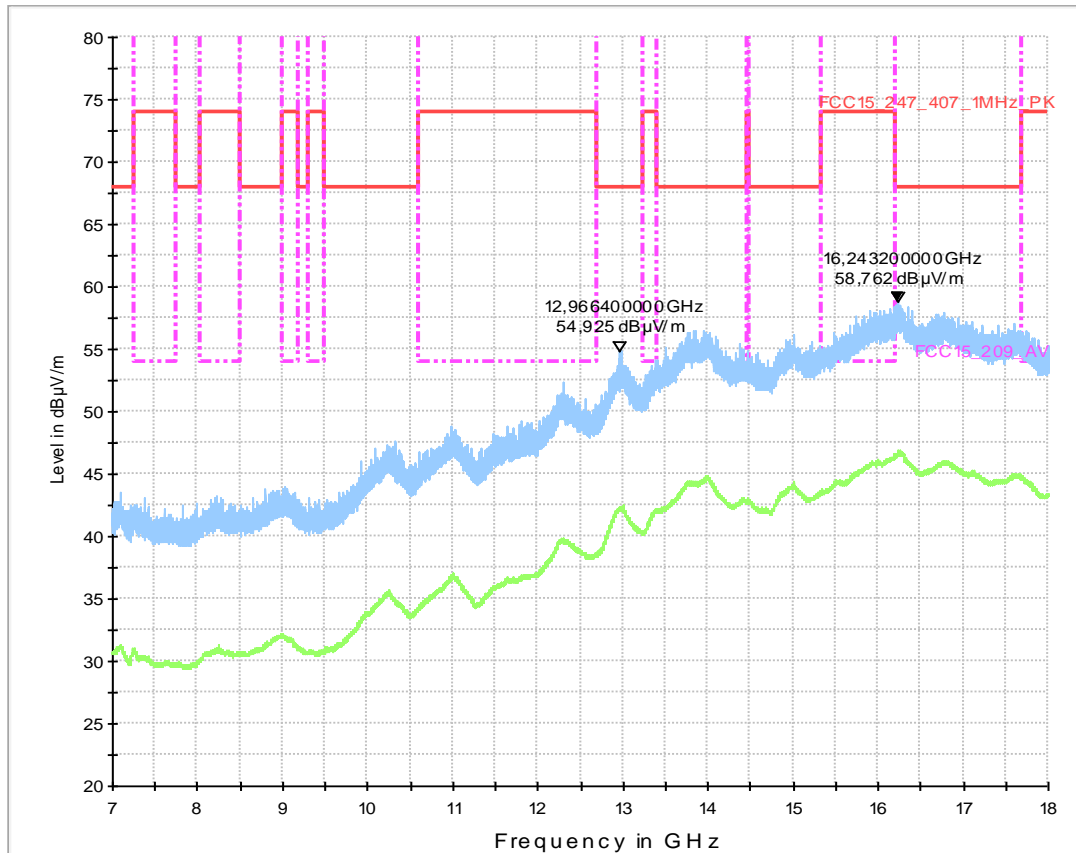
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC20-Mode, MCS6
Operator Name:	Lor
Comment:	Channel no. low=100

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

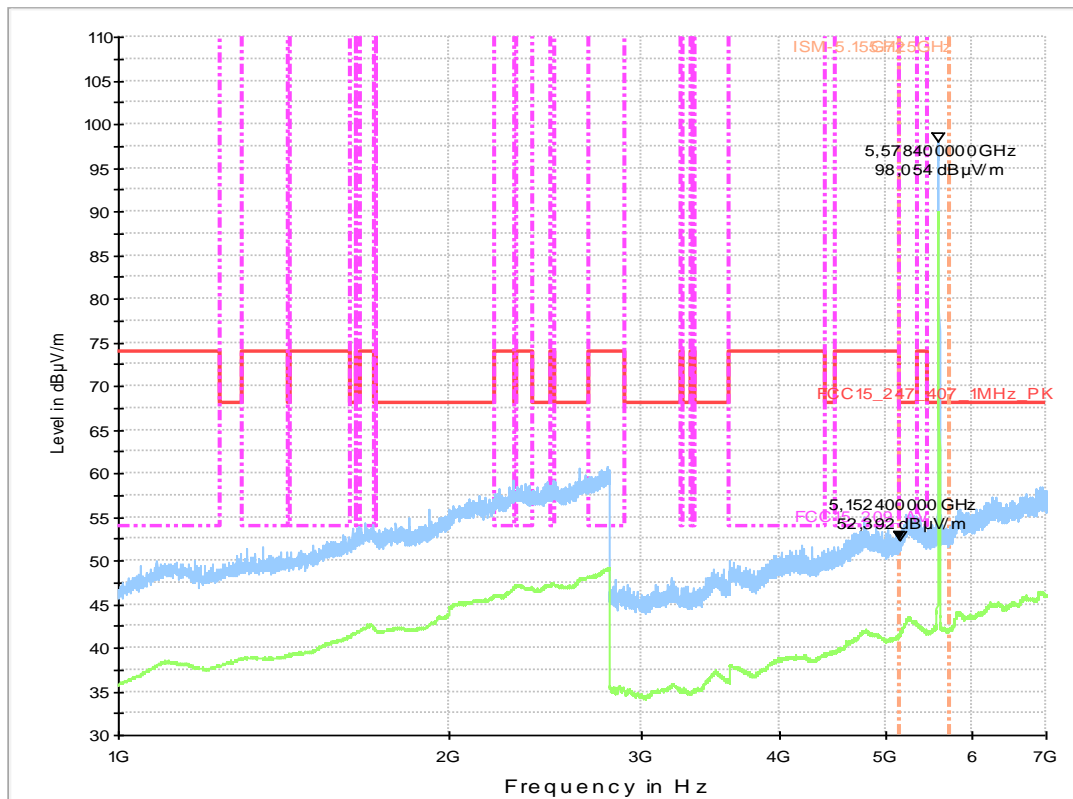
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, 6MBit, a-Mode
Operator Name:	ABA
Comment:	Channel no. 116

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

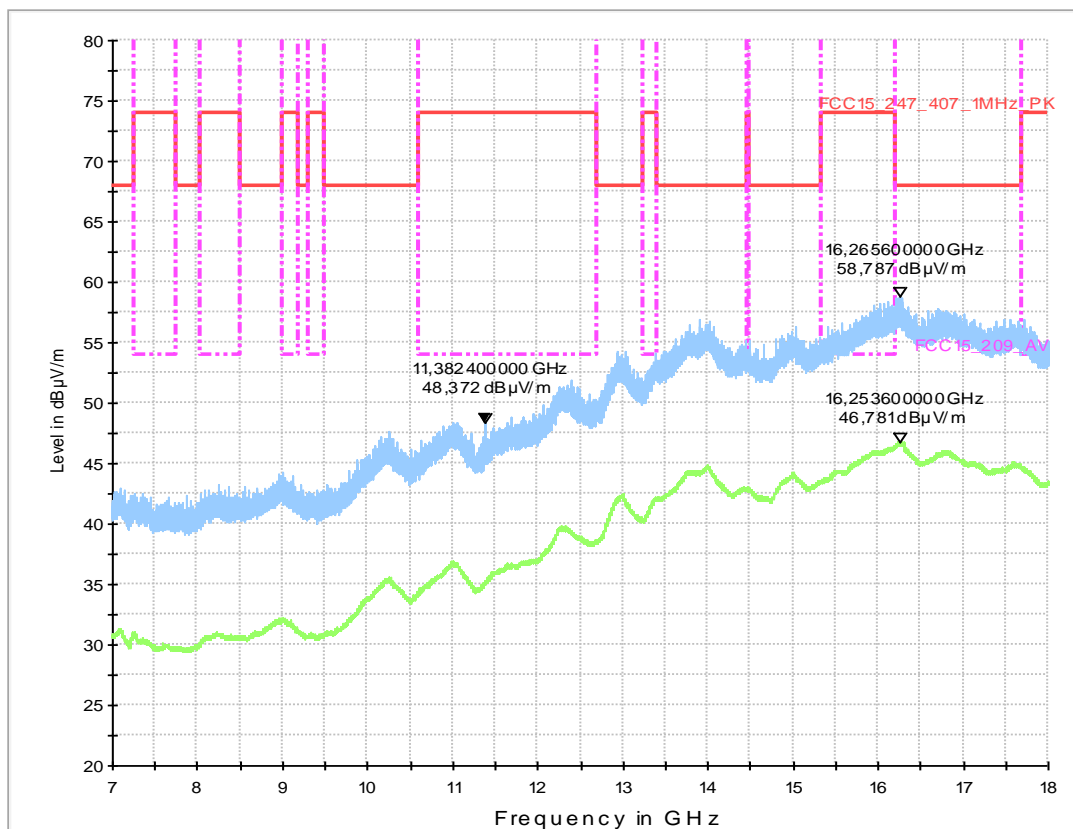
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, a-Mode, MCS6
Operator Name:	Lor
Comment:	Channel no. high=116

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)

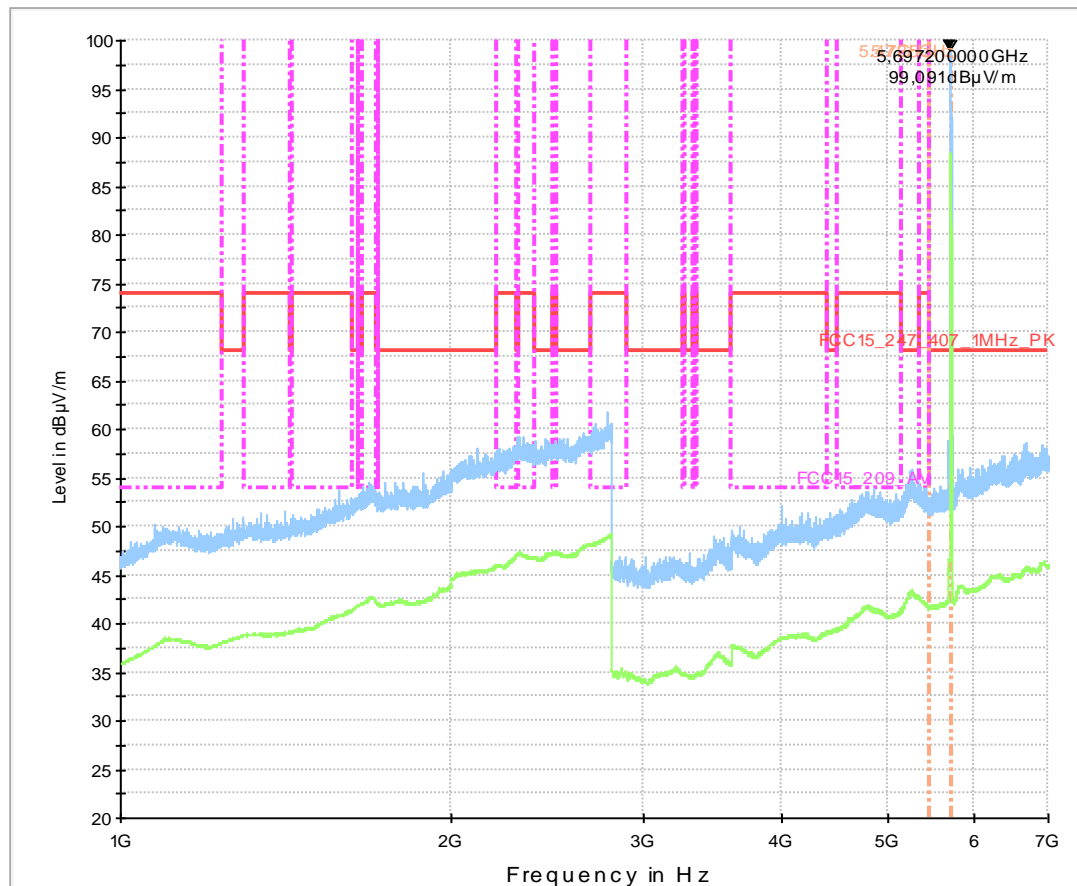


Diagram No.: 4.07b_Ch140_ac20Mode_MCS7

Common Information

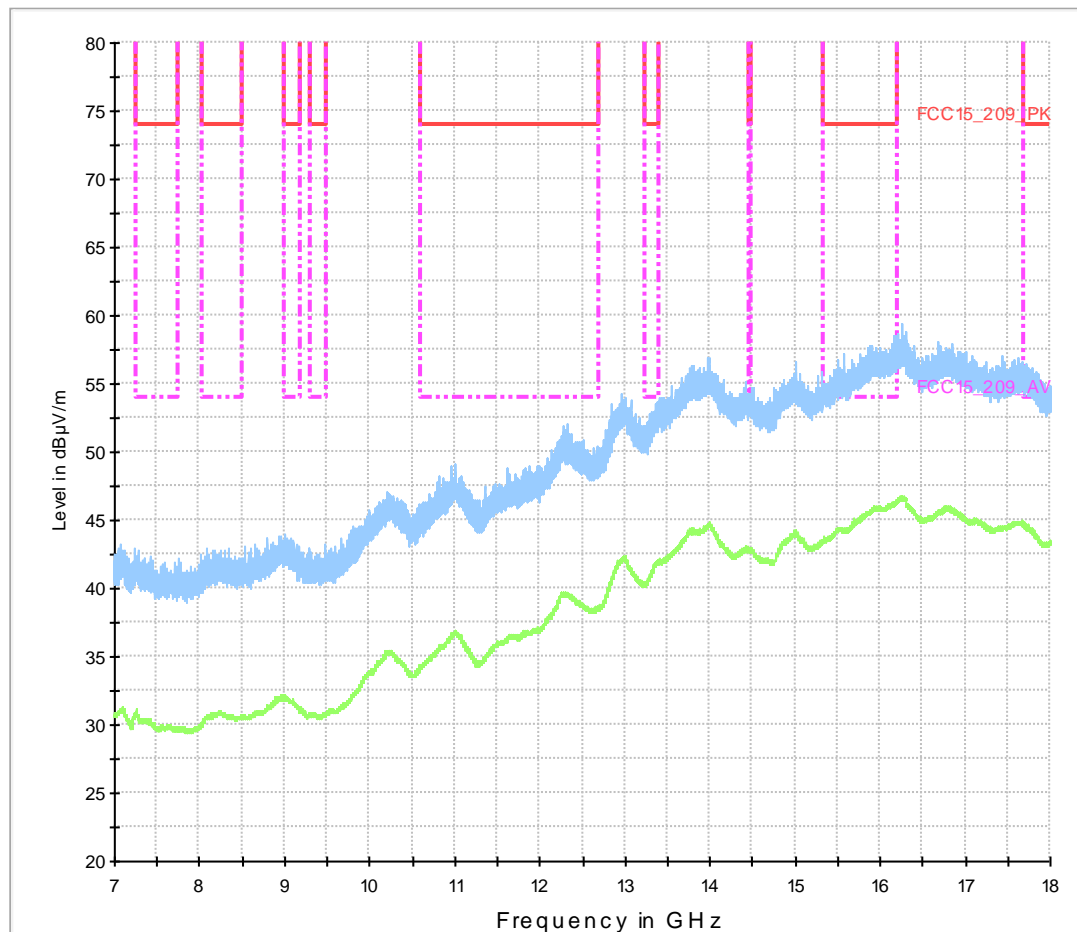
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC20Mode, MCS7, Ch140
Operator Name:	кта
Comment:	Channel no. 140
Test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

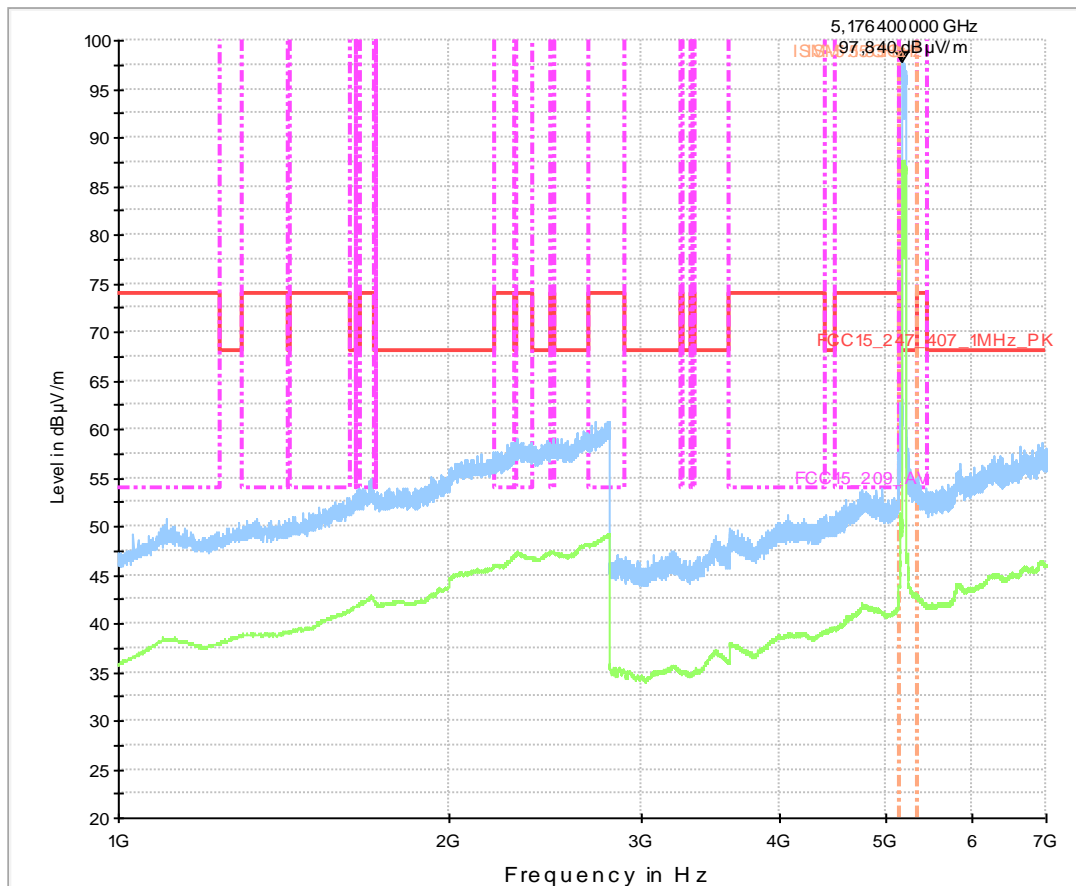


Diagram No.: 4.08b_Ch38_AC40_MCS7

Common Information

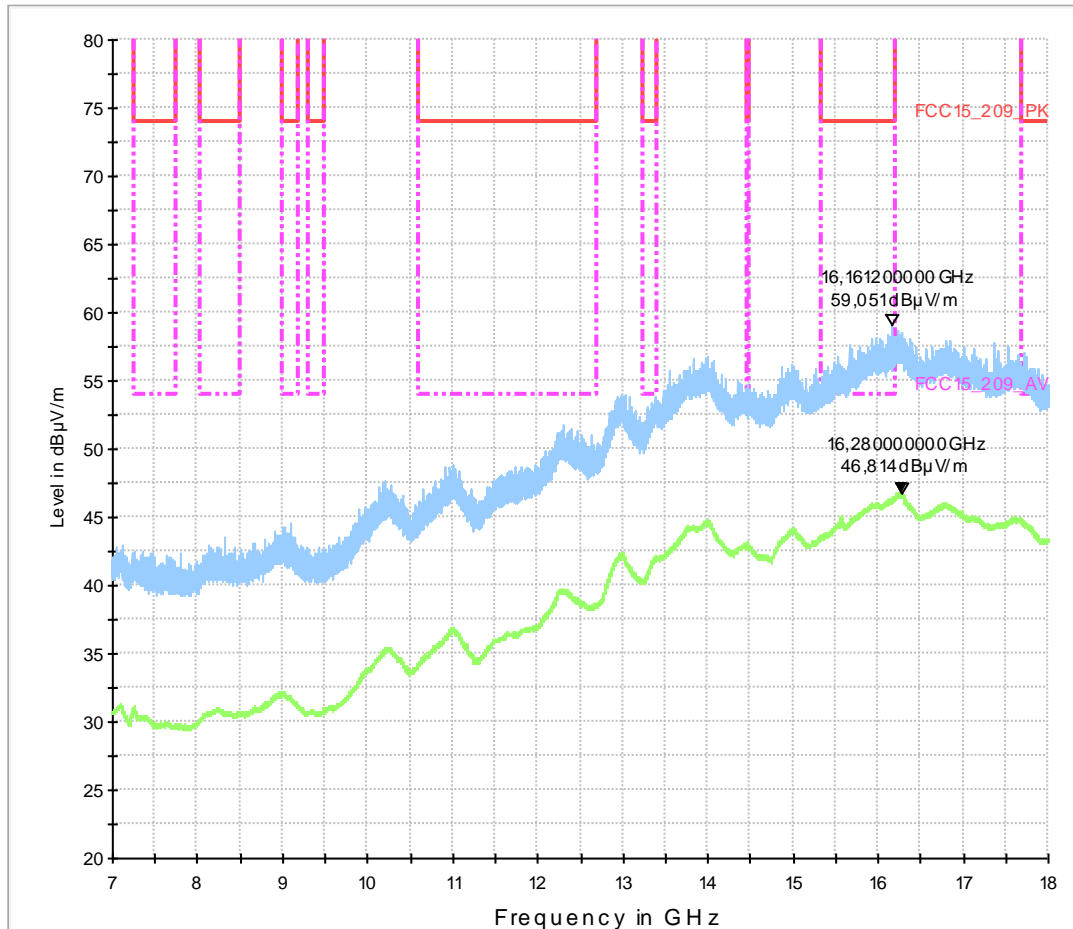
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS7, Ch38
Operator Name:	кта
Comment:	Channel no. 38
Test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

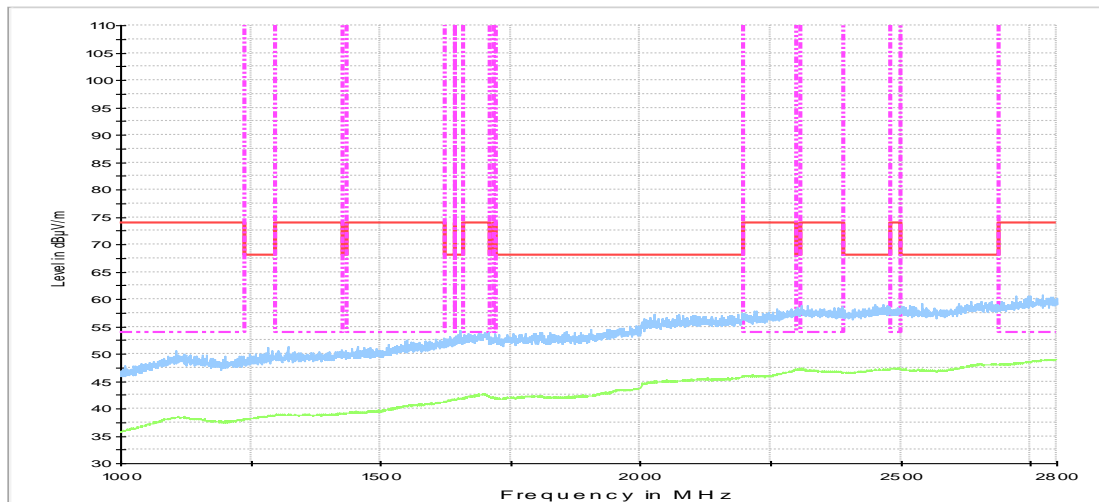
Operation mode: TX, continuous, Channel no. low=46
 Operator Name: Lor

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)

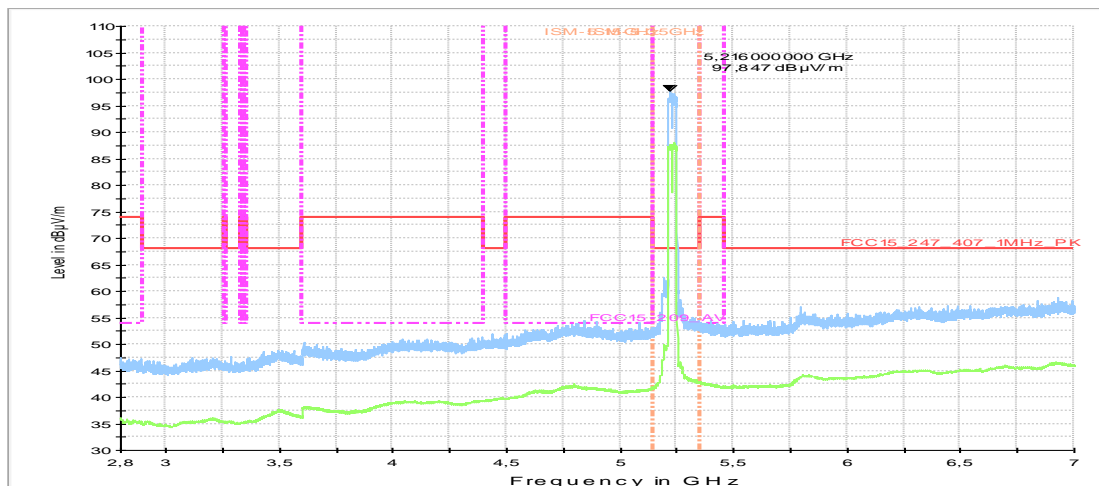


Diagram No.: 4.09b_Ch46_AC40_MCS3

Common Information

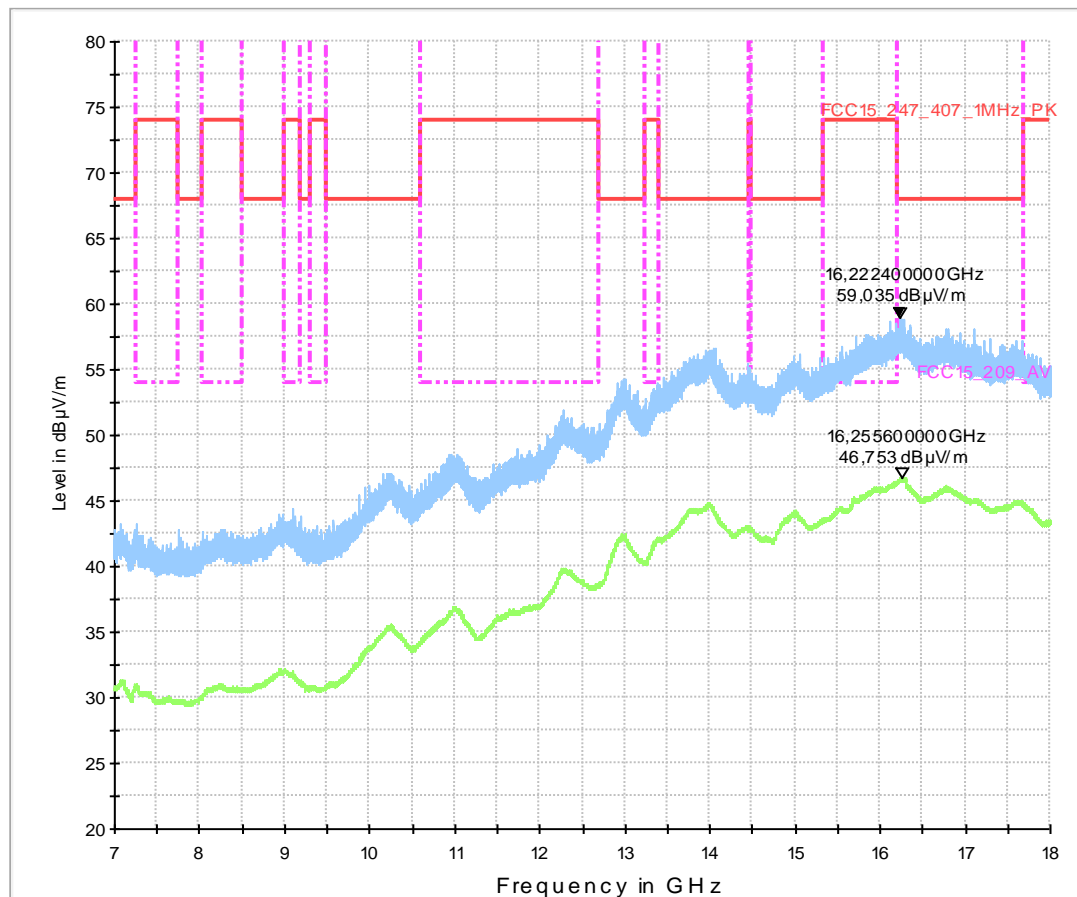
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40-Mode, MCS3
Operator Name:	Lor
Comment:	Channel no. low=46

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)

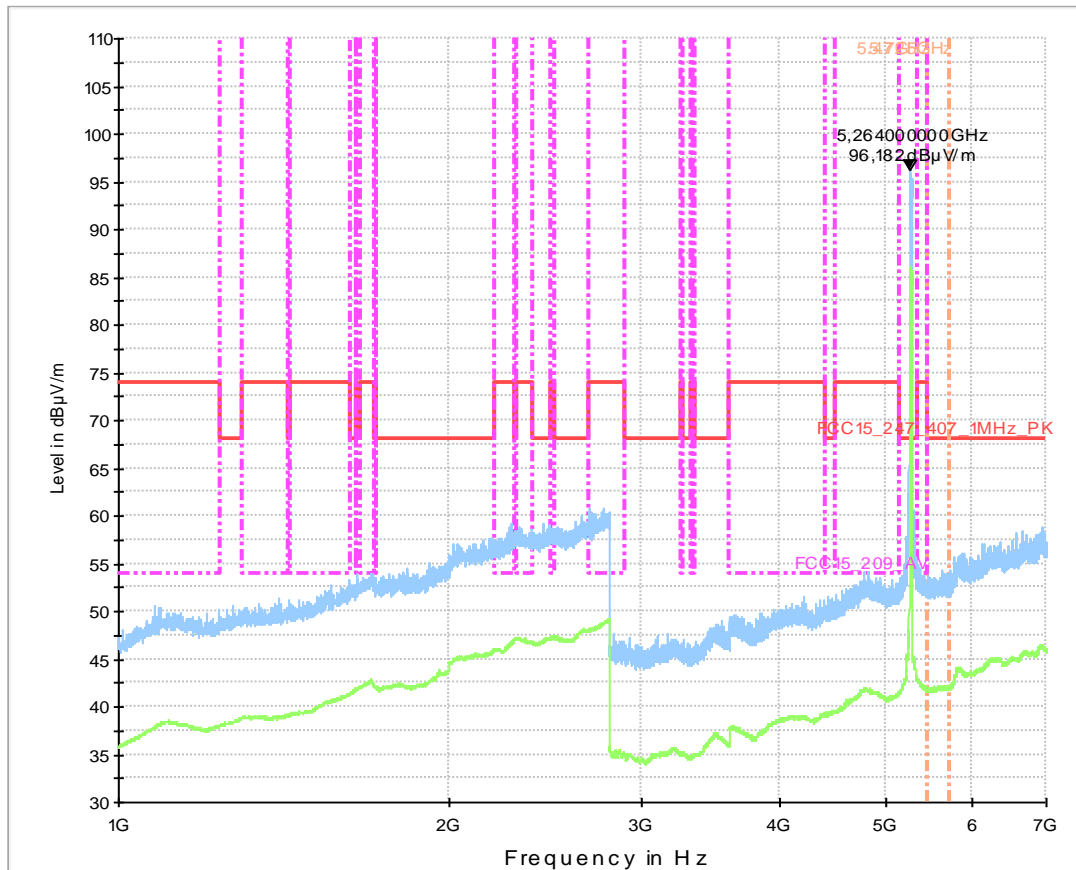


Diagram No.: 4.10b_Ch54_AC40_MCS6

Common Information

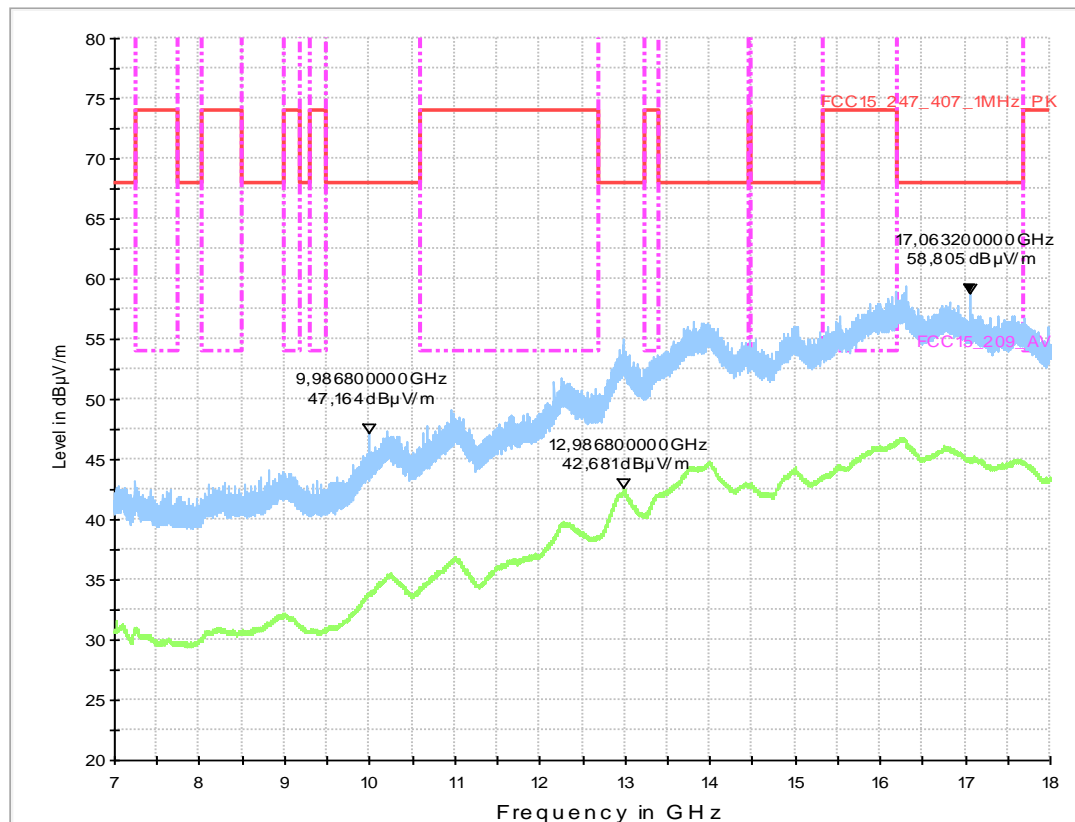
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC40-Mode, MCS6
Operator Name:	Lor
Comment:	Channel no. high=54

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:	-

Sweep2_SM1_KP1_WLAN_FCC15407



EMI Auto Test Template: Sweep2_SM1_KP1_WLAN_FCC15407

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)

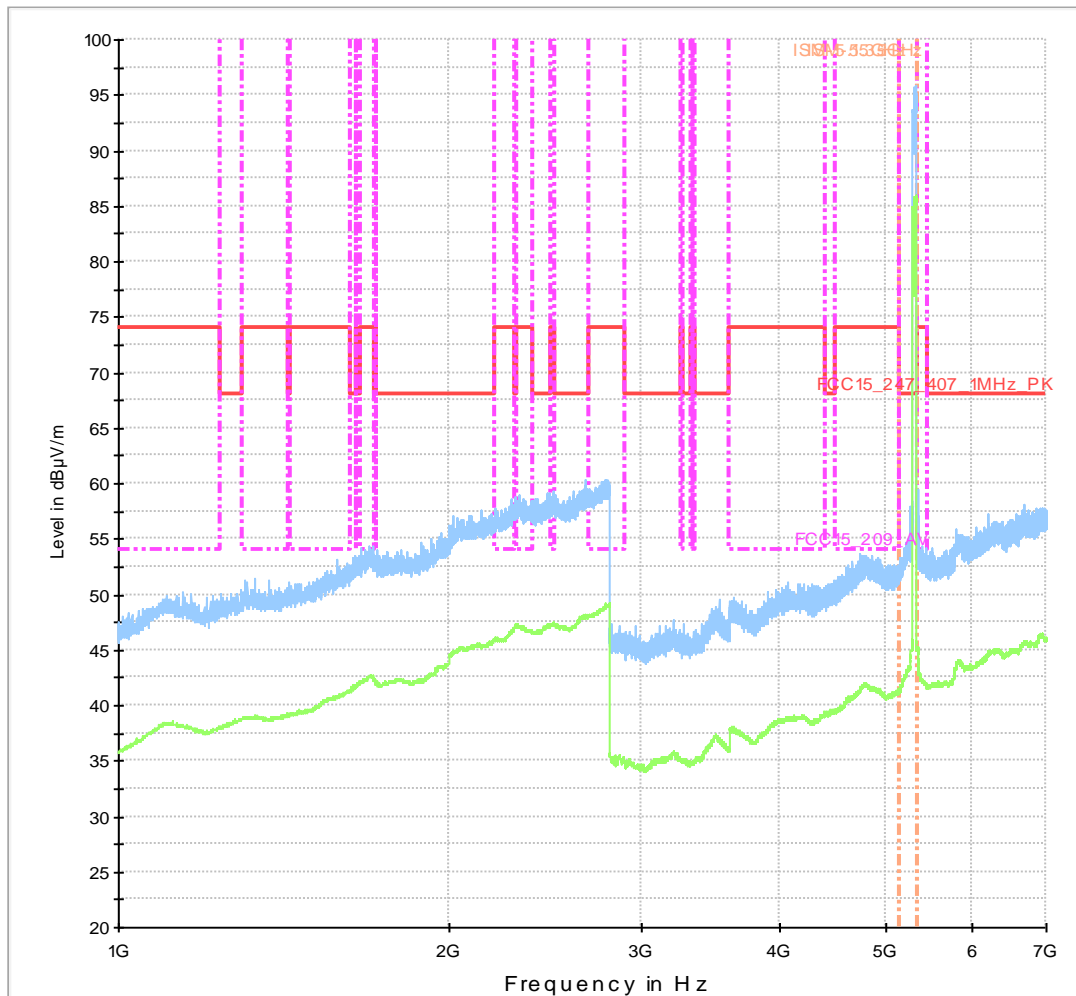


Diagram No.: 4.11b_Ch62_AC40_MCS3

Common Information

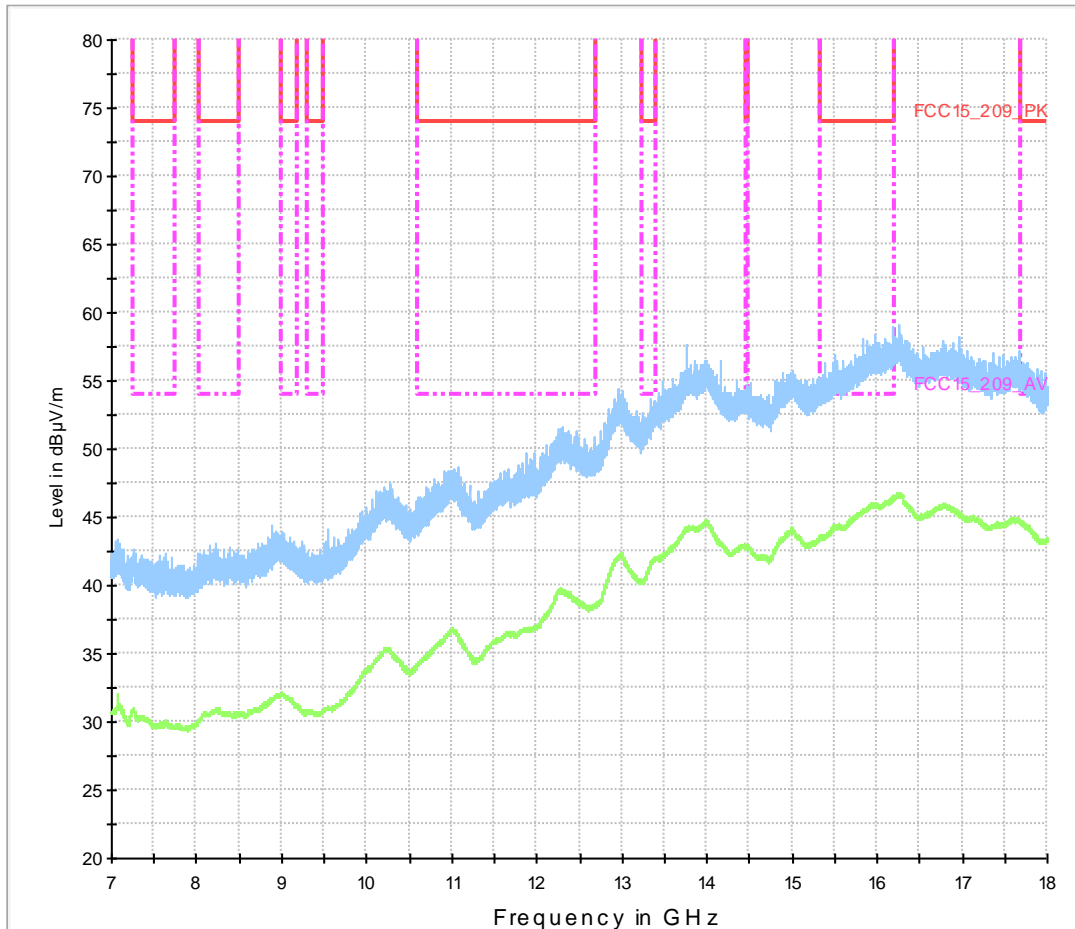
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS3
Operator Name:	кта
Comment:	Channel no. high=62
Test Conditions: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

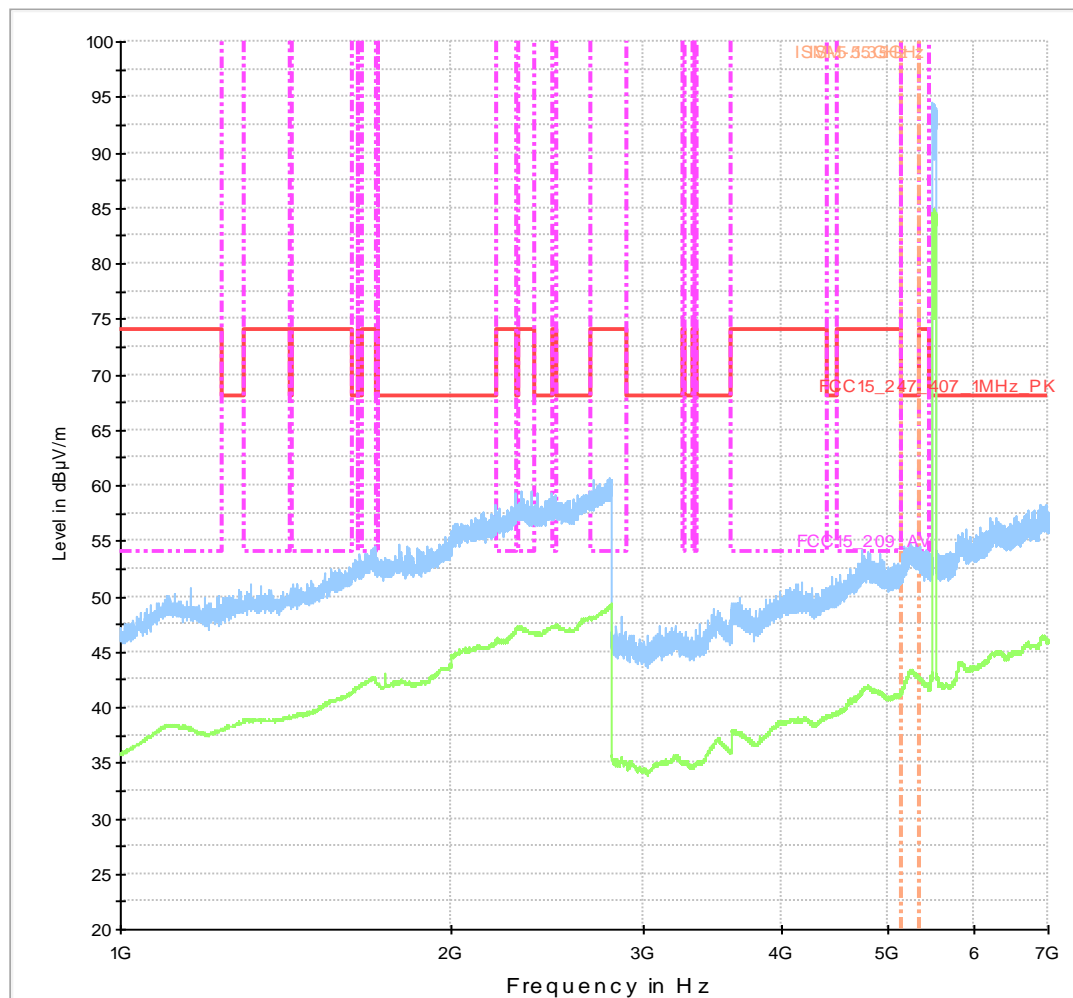


Diagram No.: 4.12b_Ch102_AC40_MCS4

Common Information

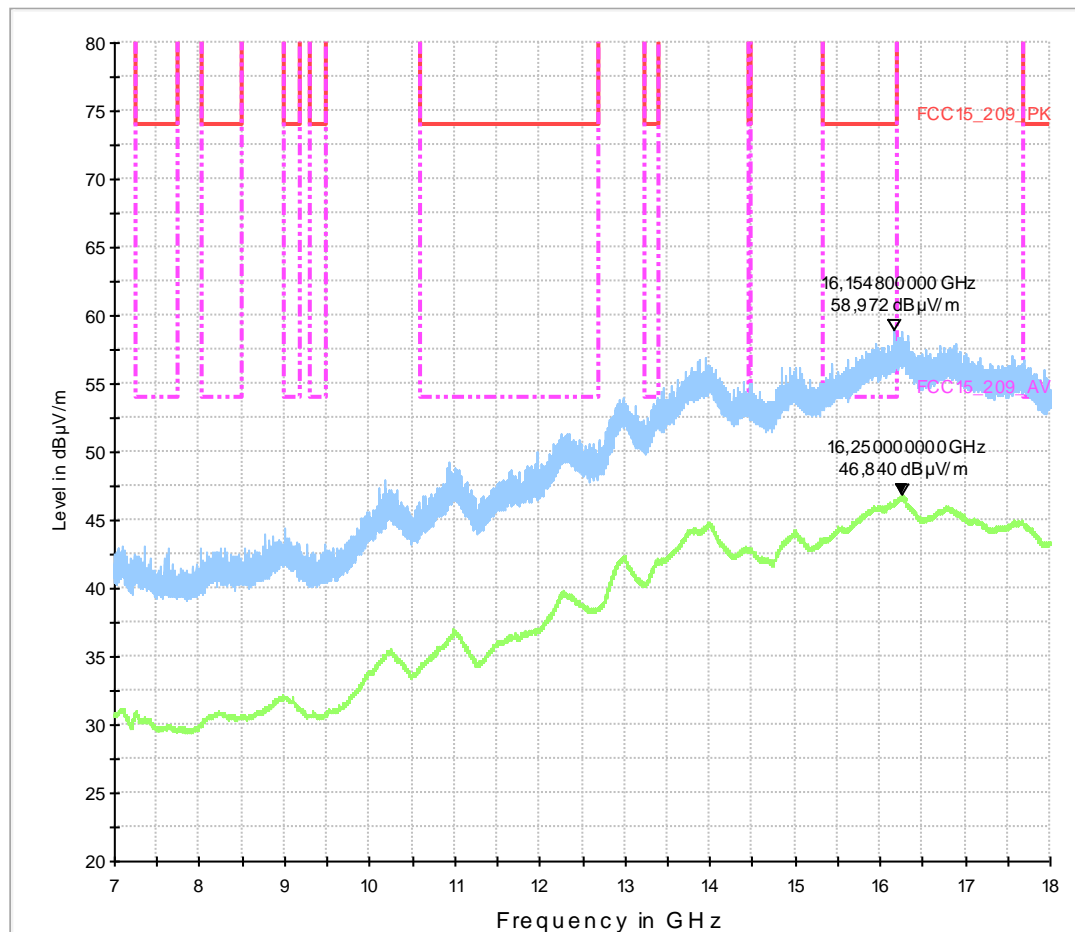
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS4
Operator Name:	кта
Comment:	Channel no. low=102
Test Conditions: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

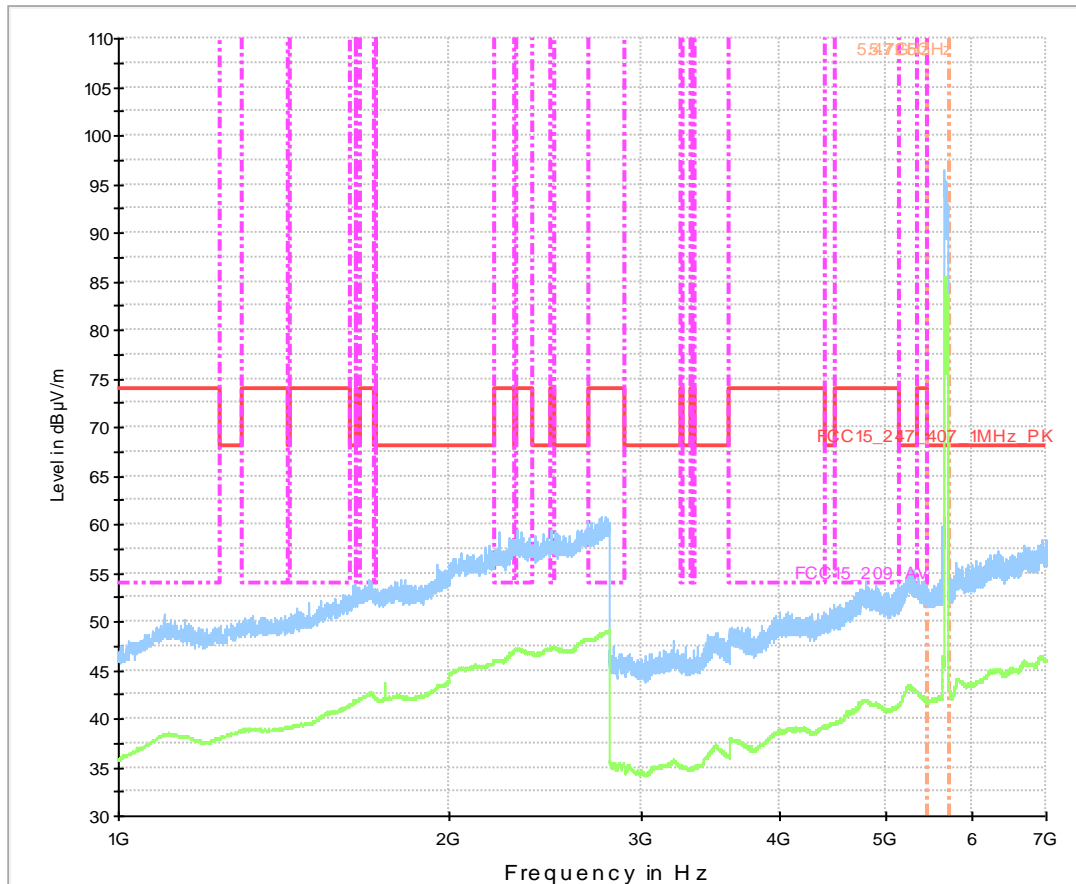


Diagram No.: 4.13b_Ch134_AC40_MCS7

Common Information

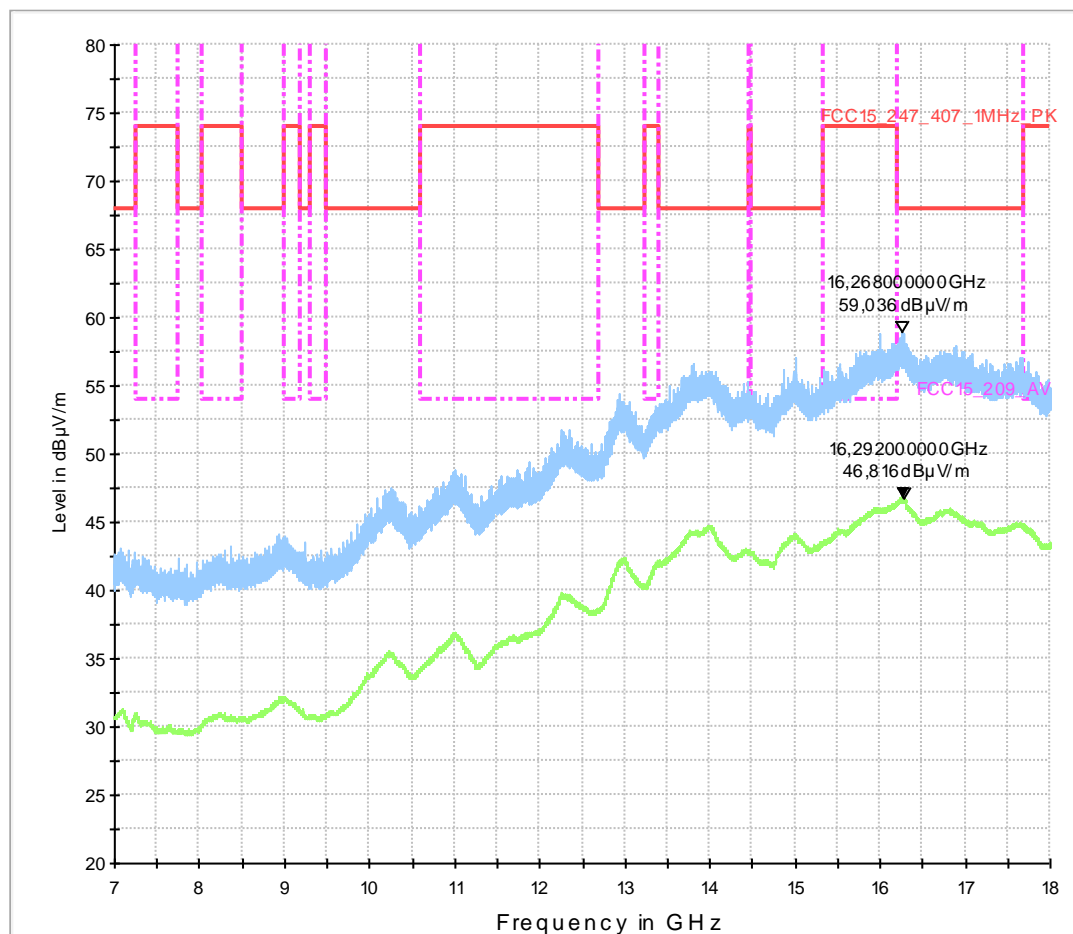
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	WLAN 5G TX, continuous, AC40Mode, MCS7
Operator Name:	кта
Comment:	Channel no. high=134
Test 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_WLAN_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)

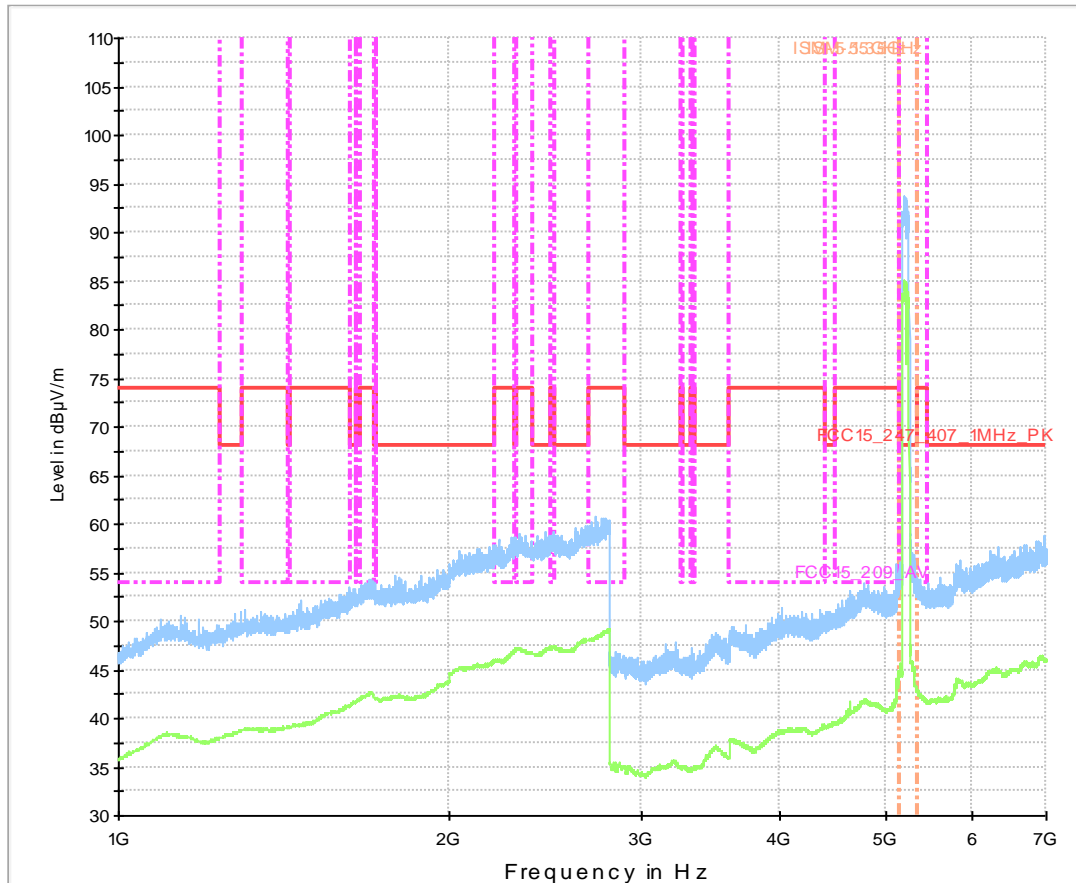


Diagram No.: 4.14b_Ch42_AC80_MCS0

Common Information

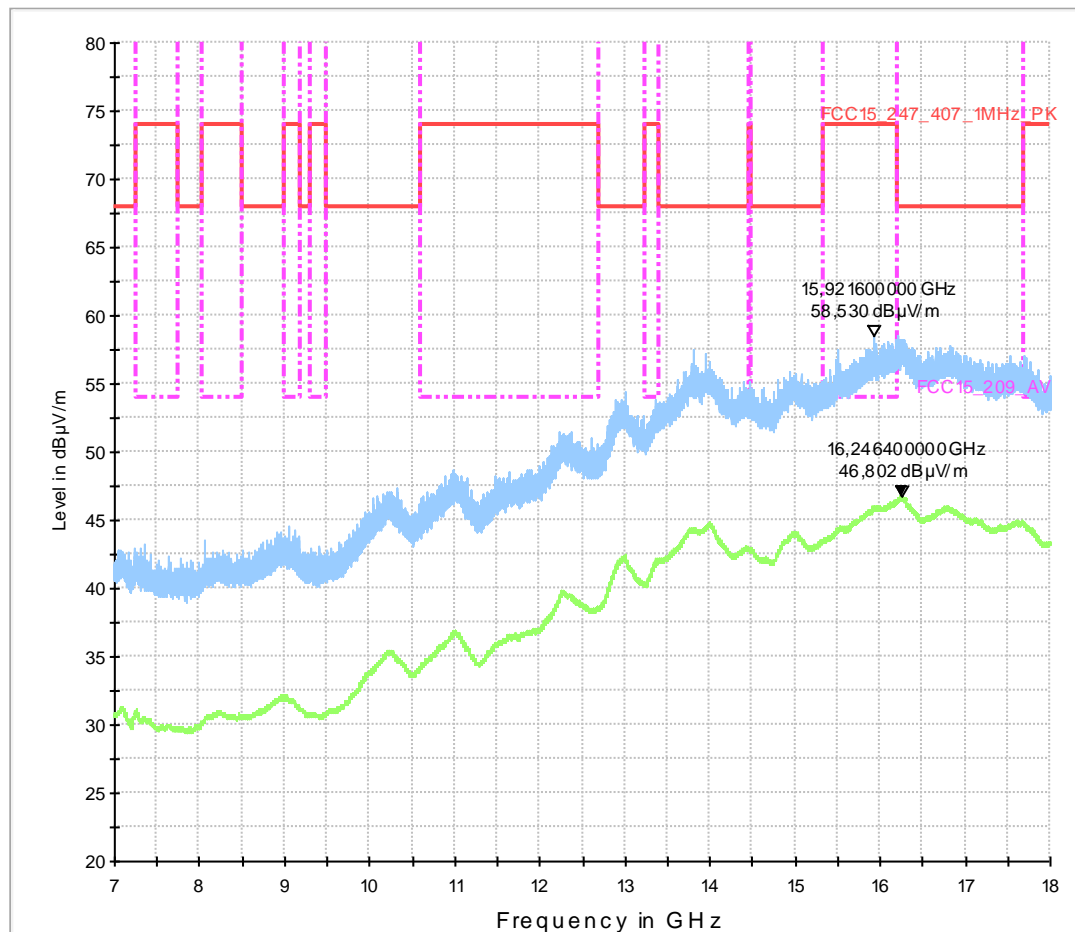
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC80-Mode, MCS0
Operator Name:	кта
Comment:	Channel no. low=42
Test Conditions: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

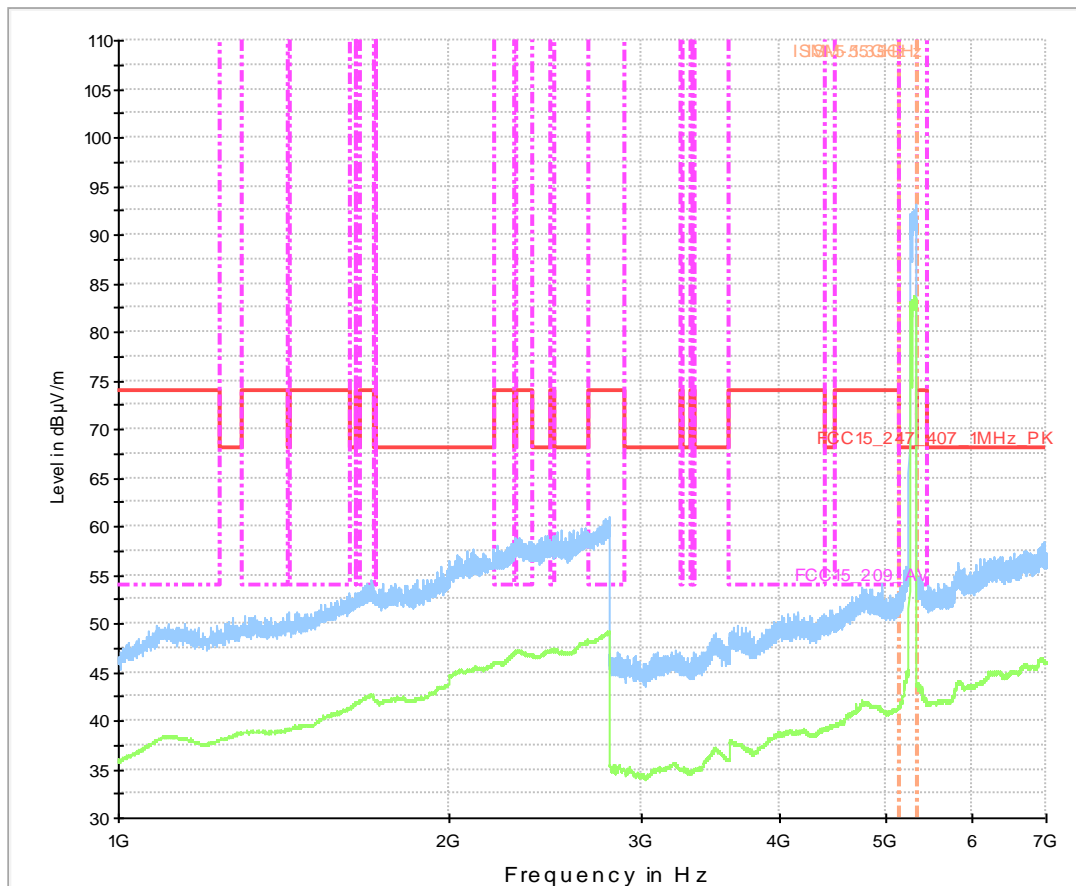


Diagram No.: 4.15b_Ch58_AC80_MCS0

Common Information

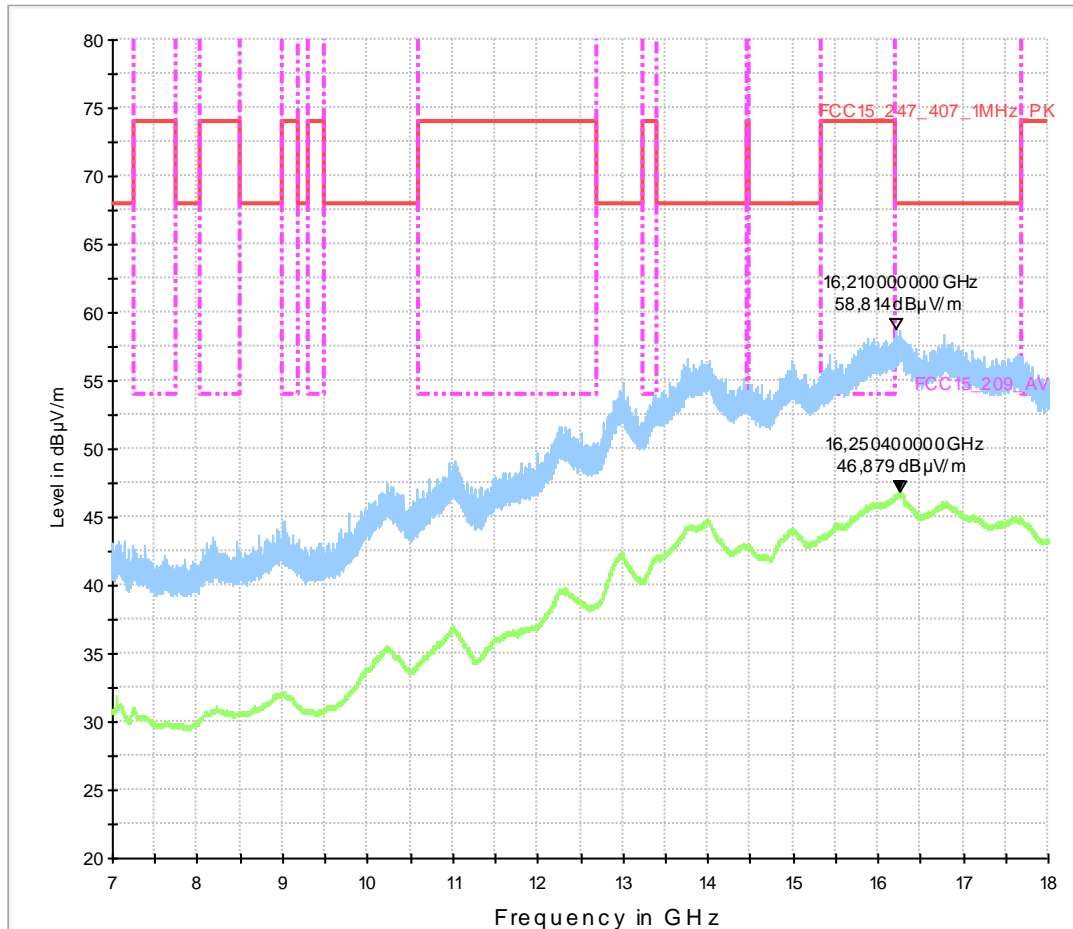
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC80-Mode, MCS0
Operator Name:	кта
Comment:	Channel no. high=58
Test Conditions: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

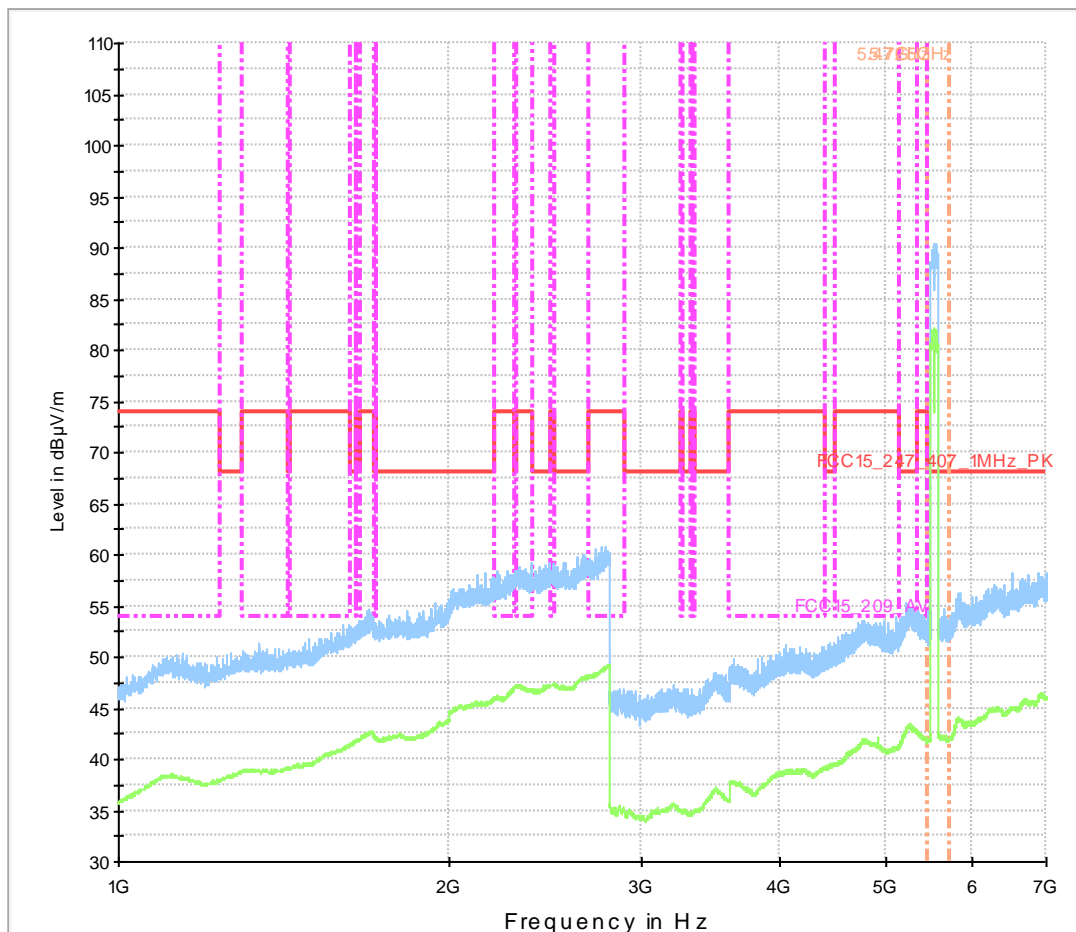


Diagram No.: 4.16b_Ch106_AC80_MCS0

Common Information

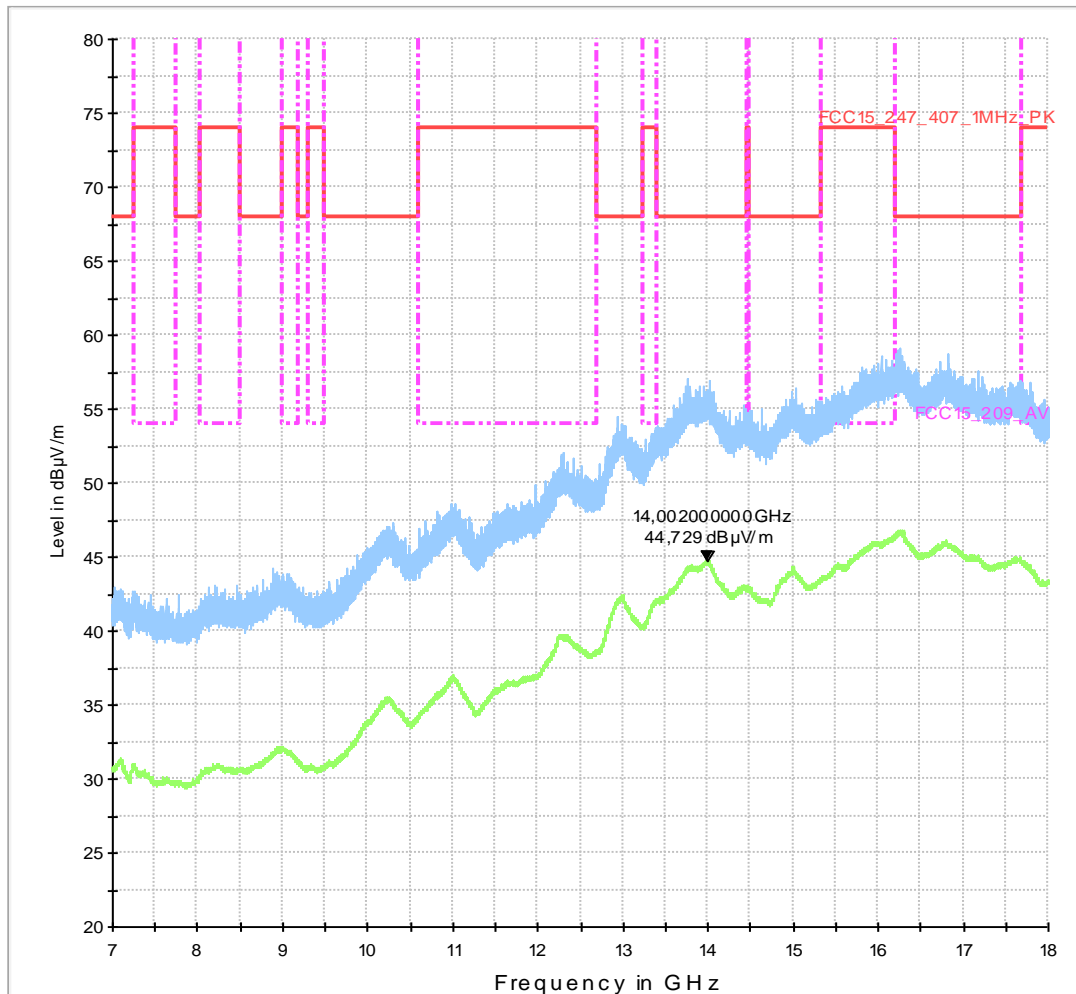
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous, AC80-Mode, MCS0
Operator Name:	Lor
Comment:	Channel no. low=106

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

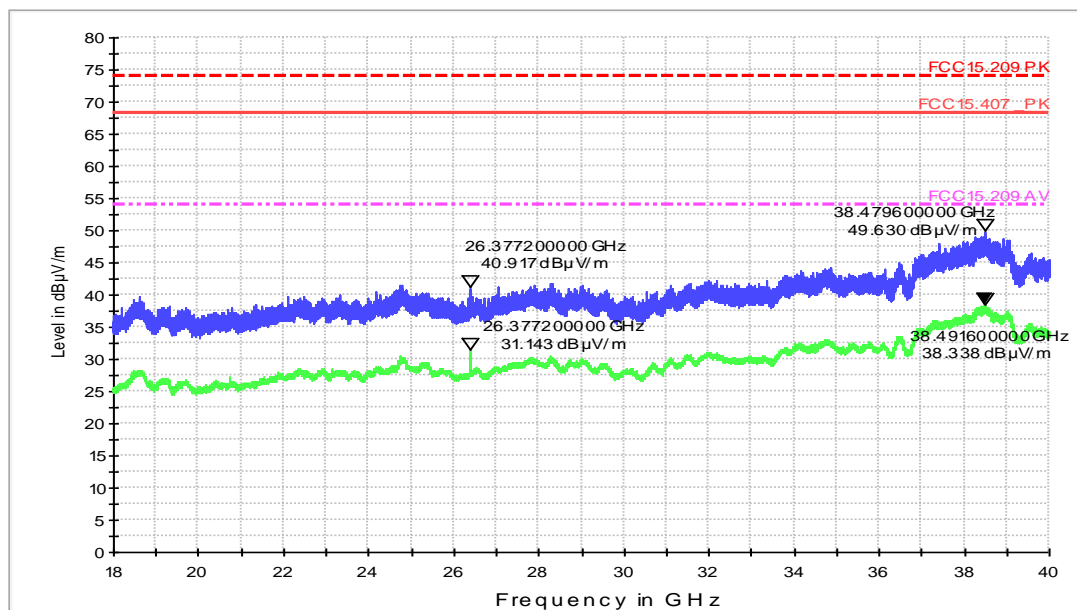
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

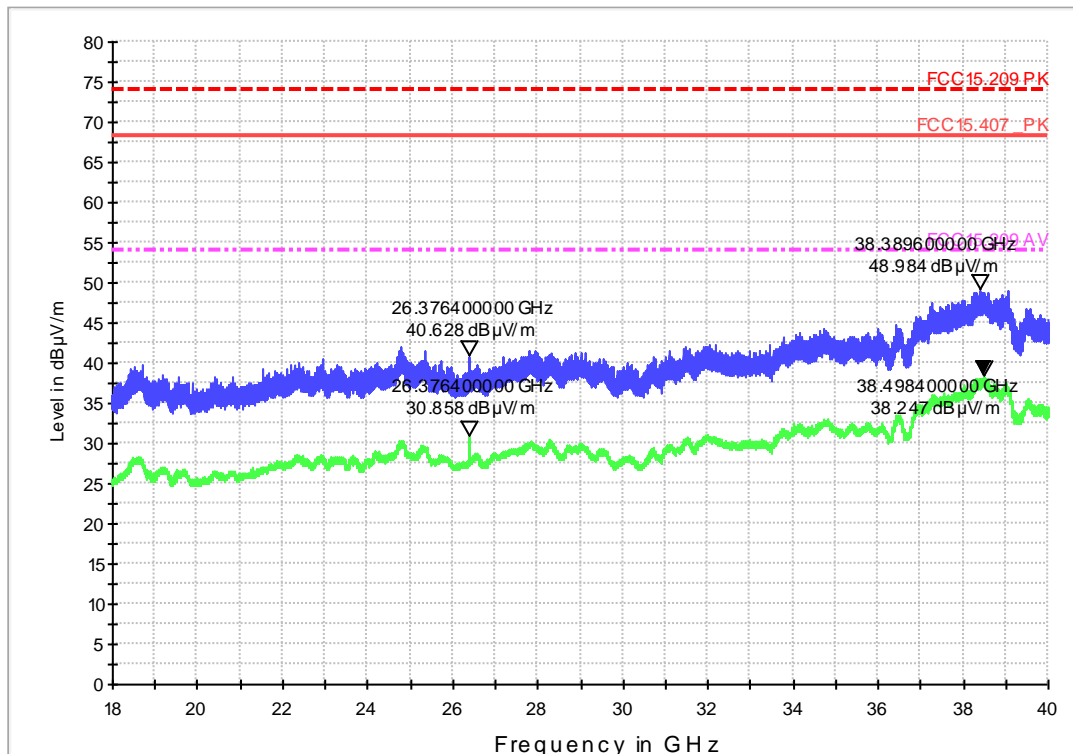
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

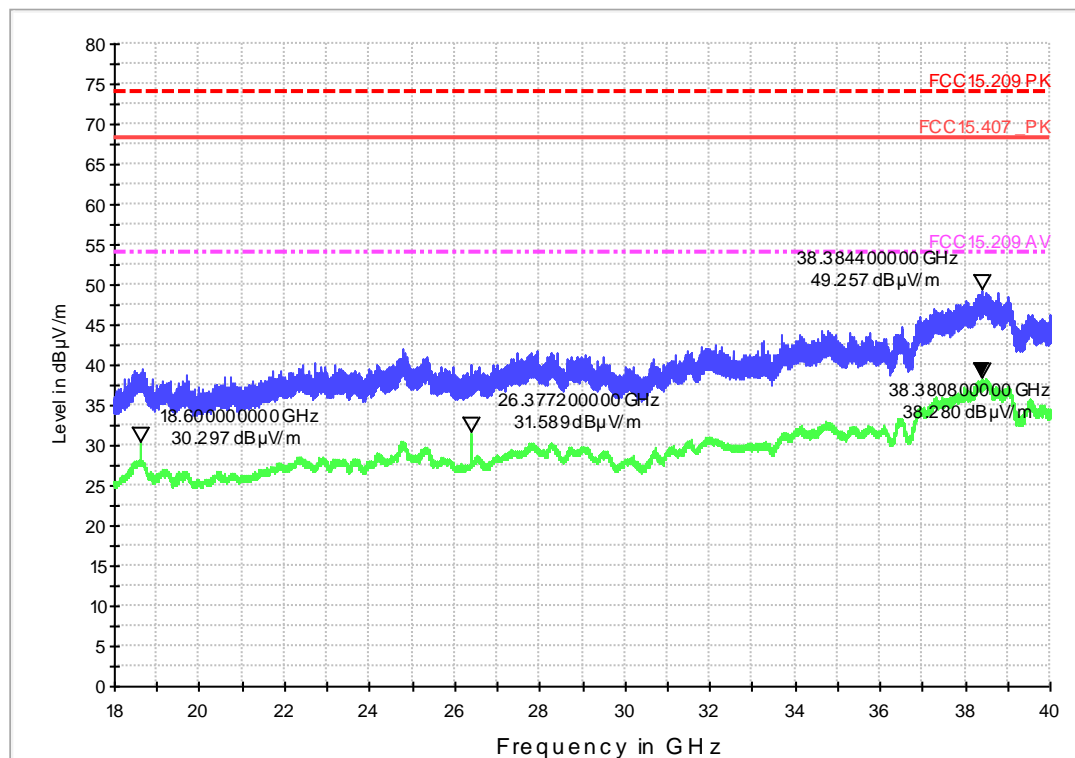
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

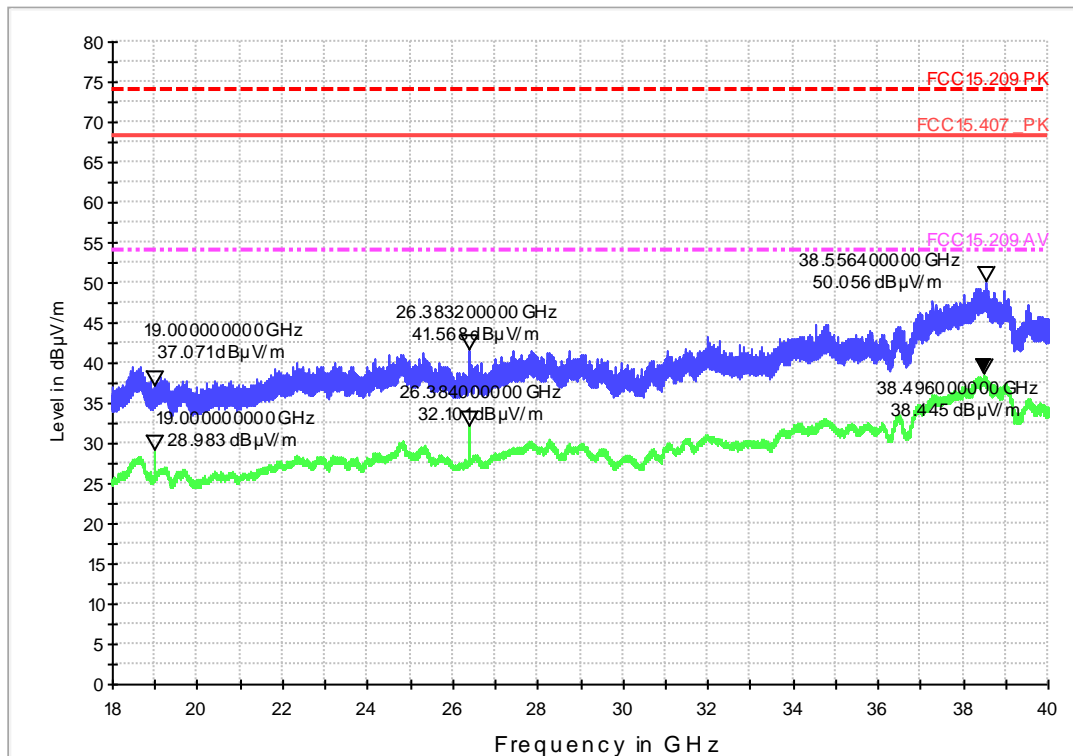
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

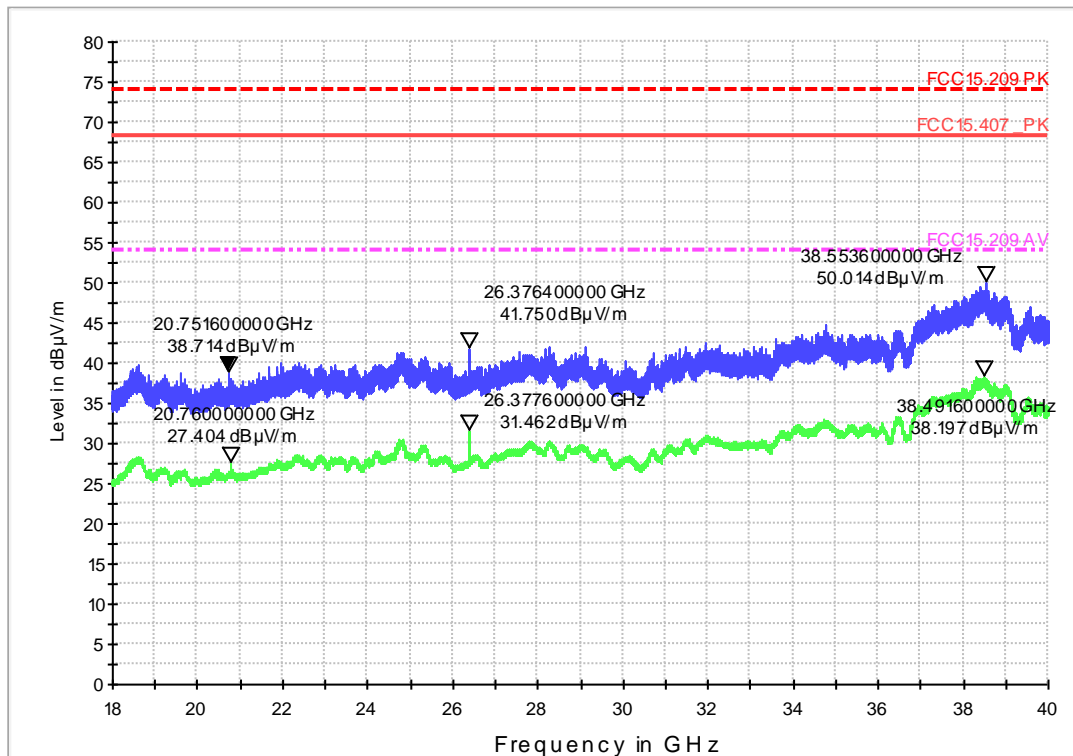
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

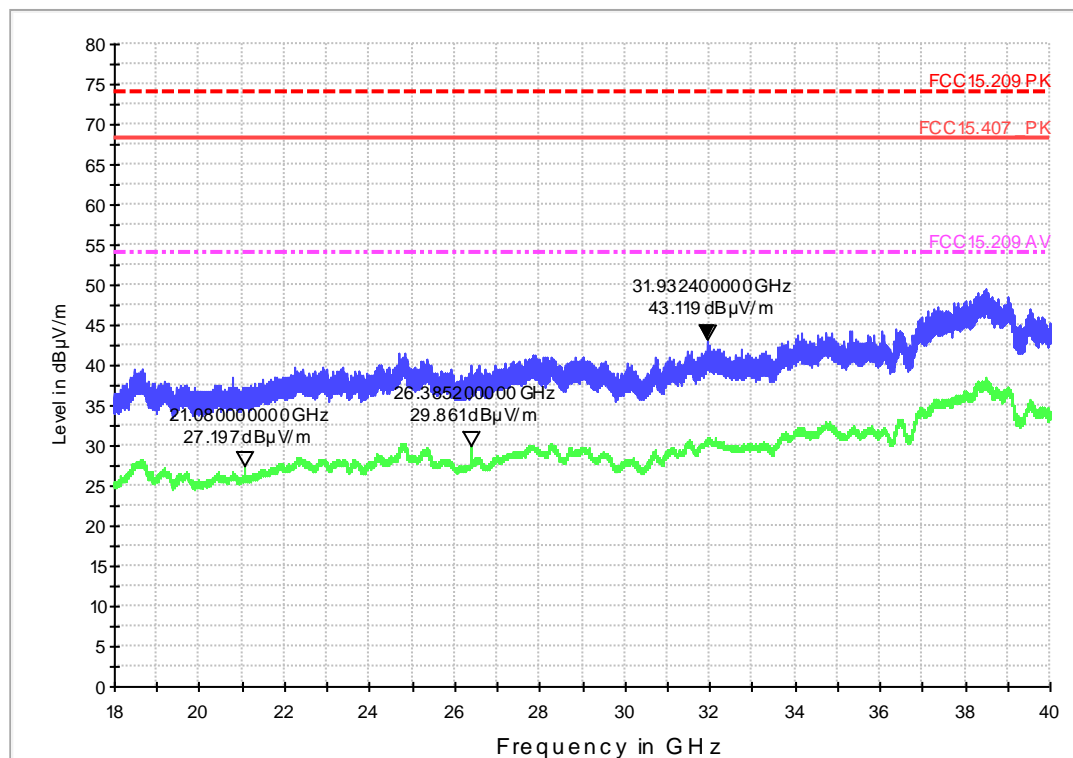
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor:	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa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

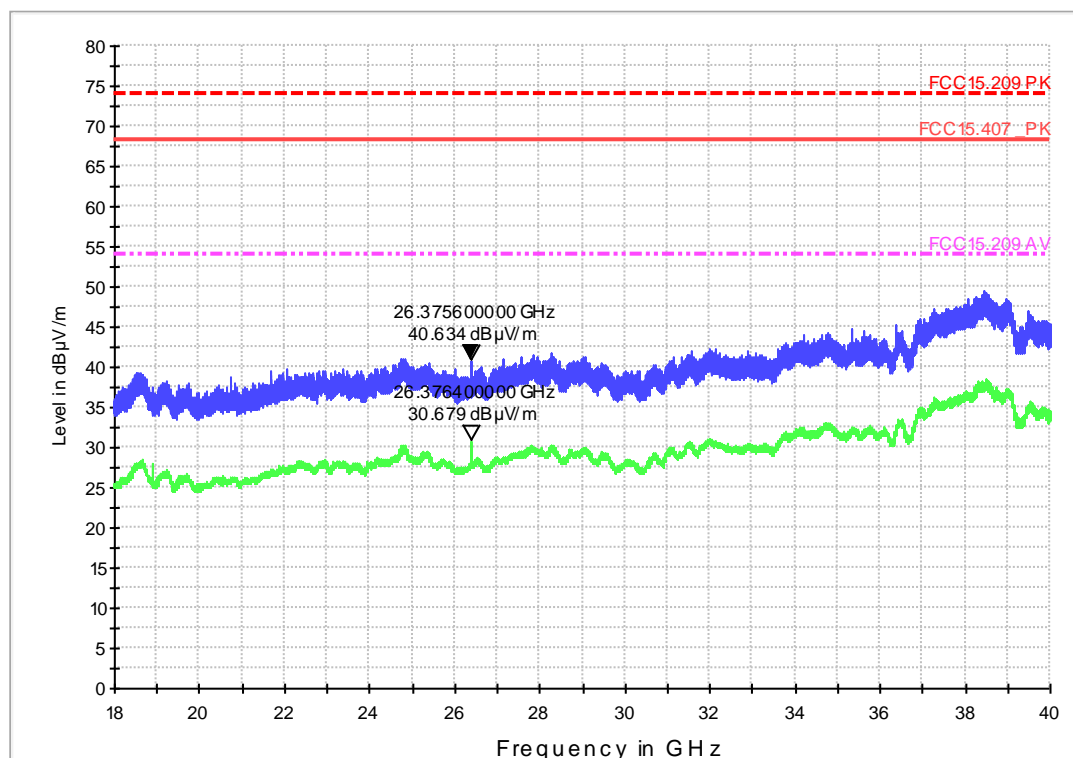
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

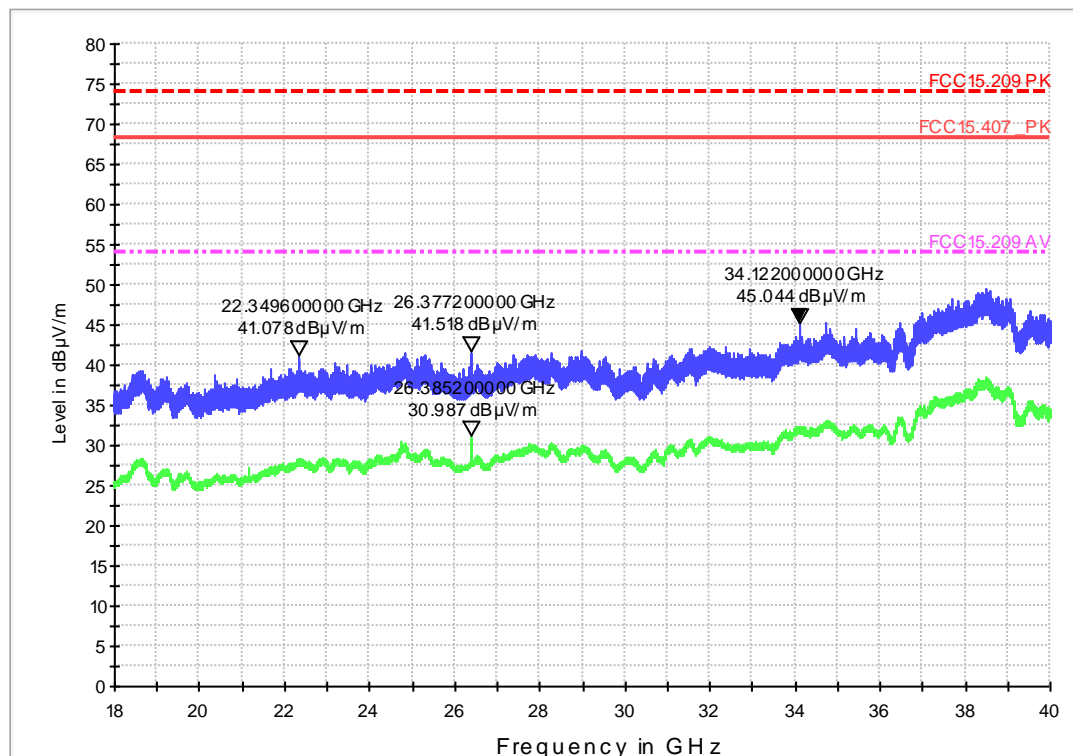
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

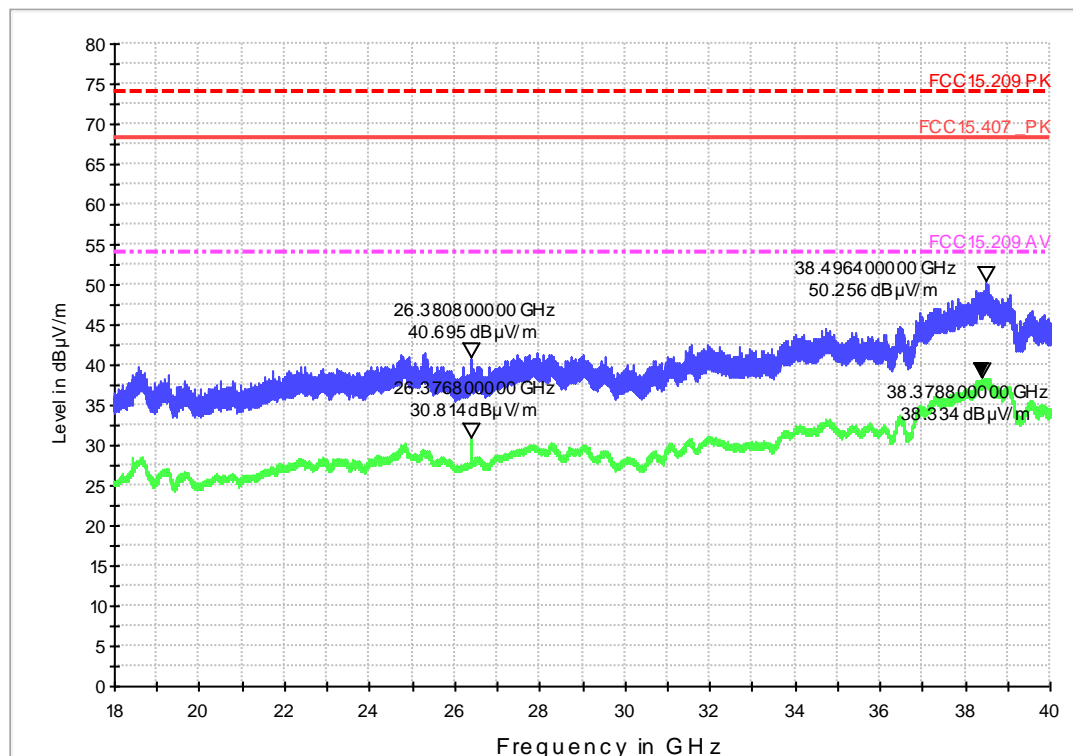
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
Operation mode:	WLAN TX mode continuous
Operator Name:	dpa
Comment: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

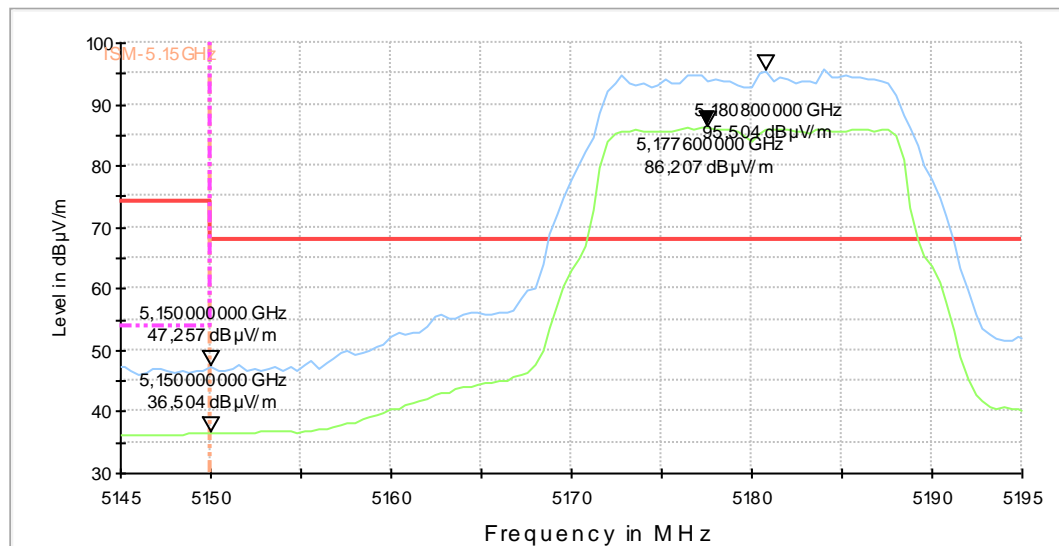
Diagram No.: 9.01_BE_Ch36_aMode_36MBit

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



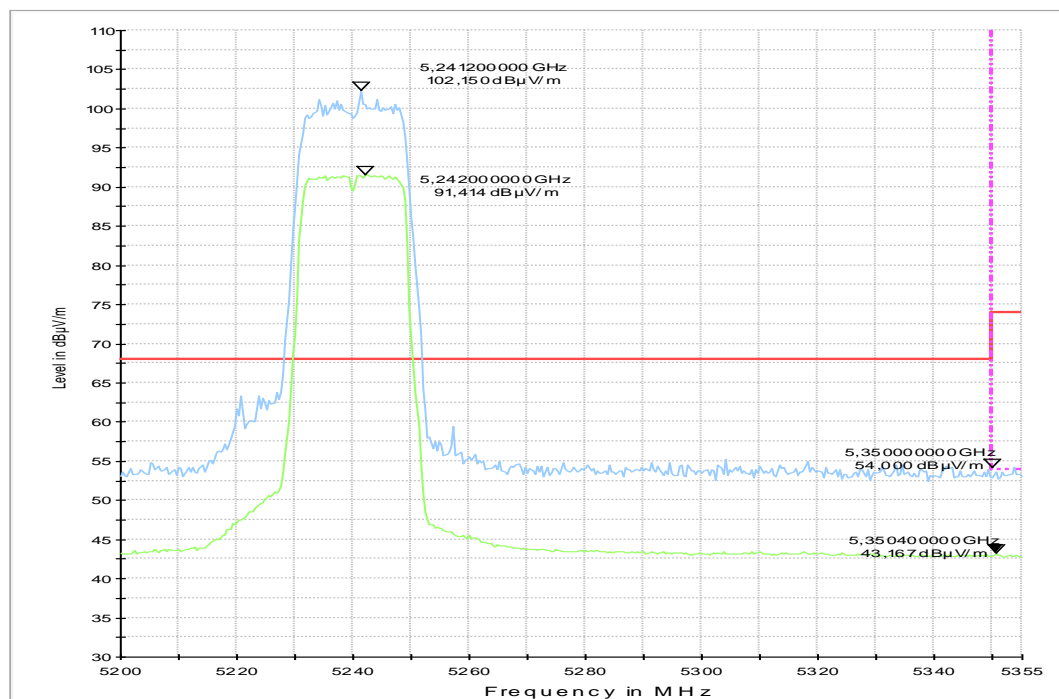
5.2. Channel 48 (AC20-Mode, MCS4 data rate)

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_W LAN_FCC15407



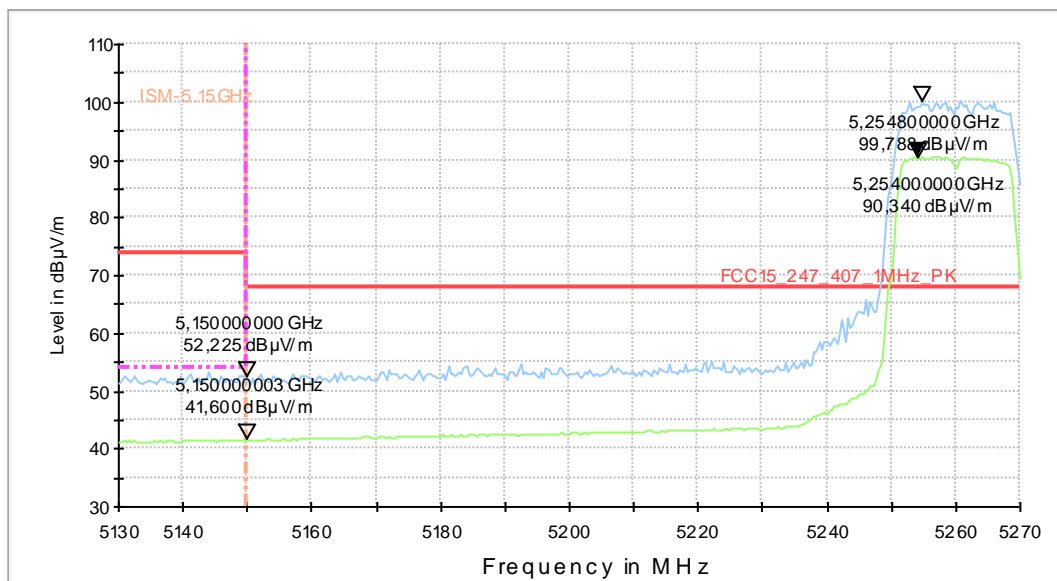
5.3. Channel 52 (AC20-Mode, MCS6 data rate)

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)



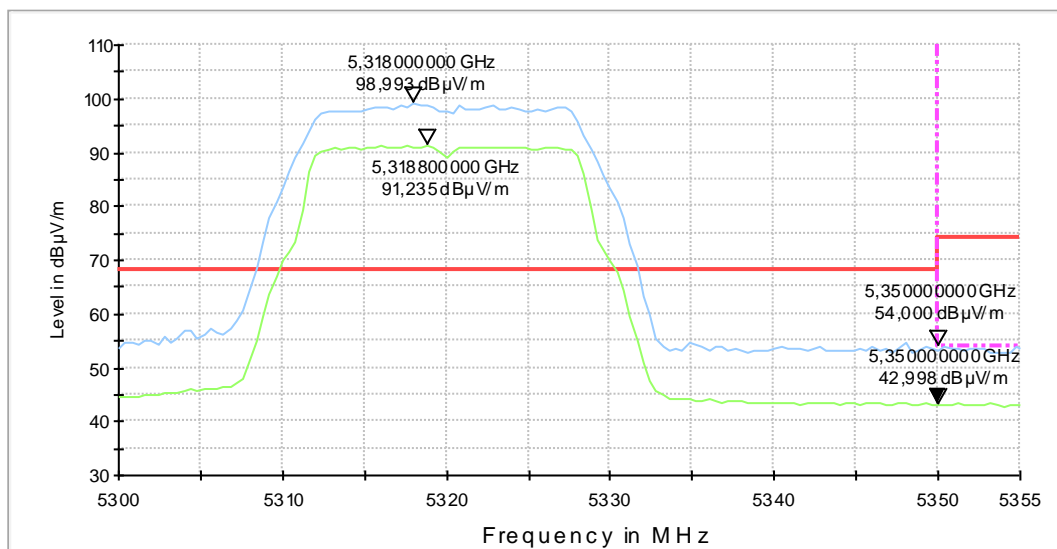
5.4. Channel 64 (a-Mode, 6Mbit)

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



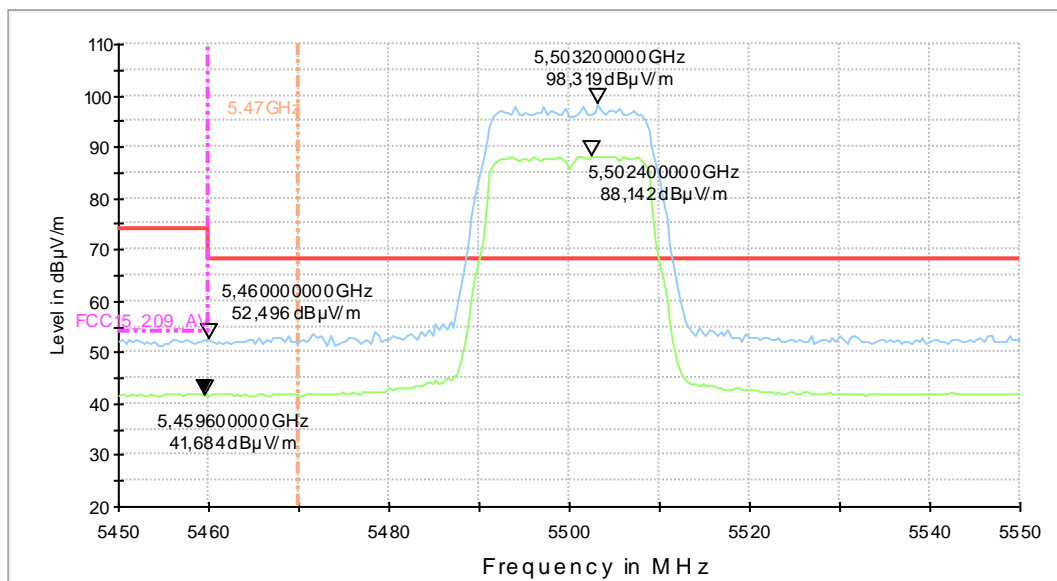
5.5. Channel 100 (AC20-Mode, MCS6)

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:	кта
Comment:	Channel no. low=100
Test Conditions:	Humidity: 34%rH; Temperature: 22°C

00431_Sweep1_SM1_KP1_WLAN_FCC15407(b)(3)



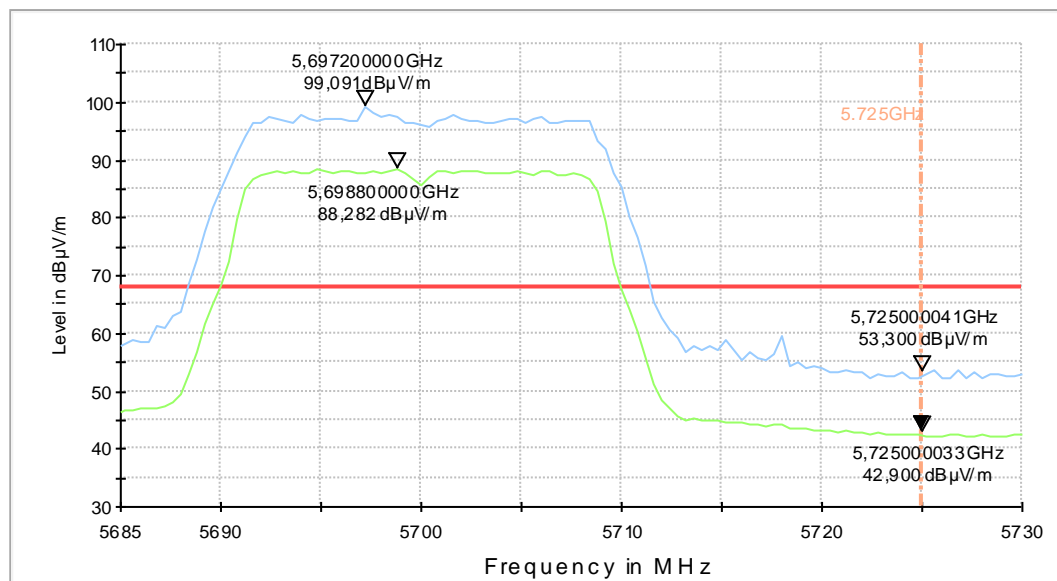
5.6. Channel 140 (AC20-Mode, MCS7)

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_WLAN_FCC15407(b)(3)



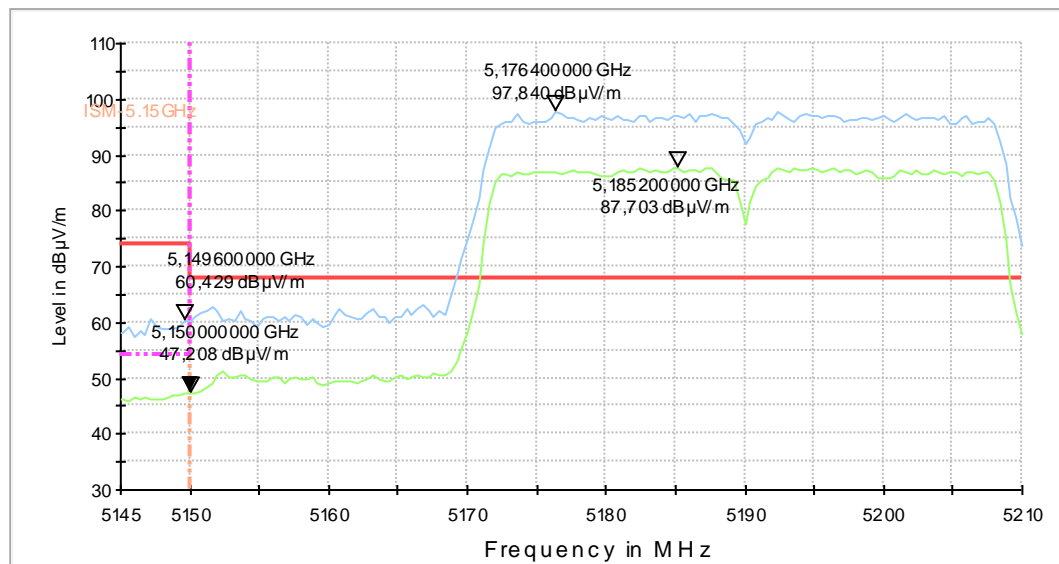
5.7. Channel 38 (AC40-Mode, MCS7)

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_W LAN_FCC15407 (b)(1)



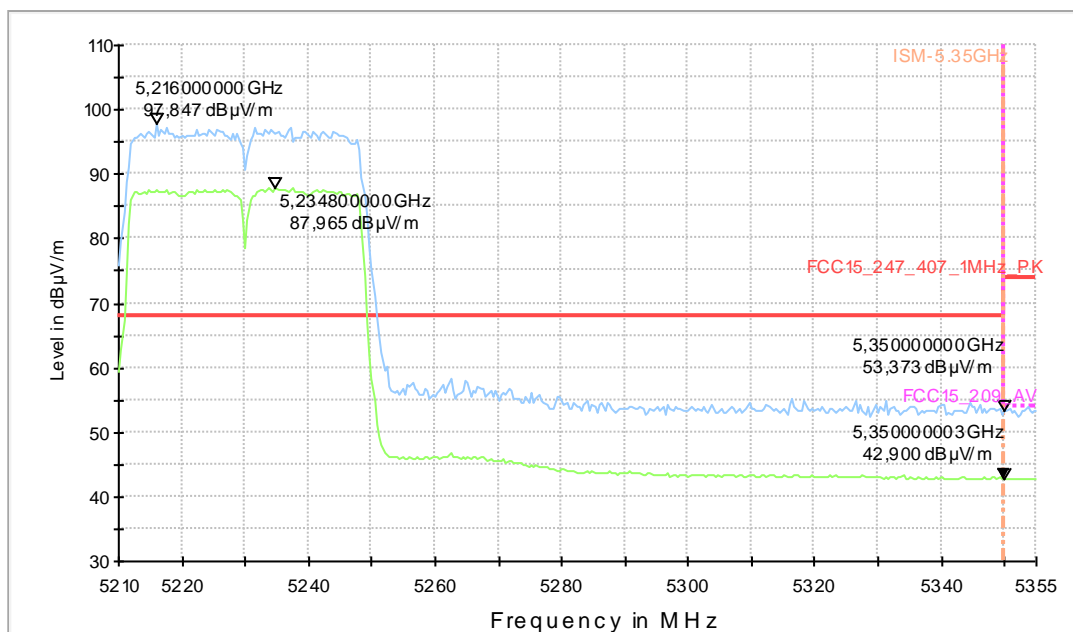
5.8. Channel 46 (AC40-Mode, MCS3)

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)



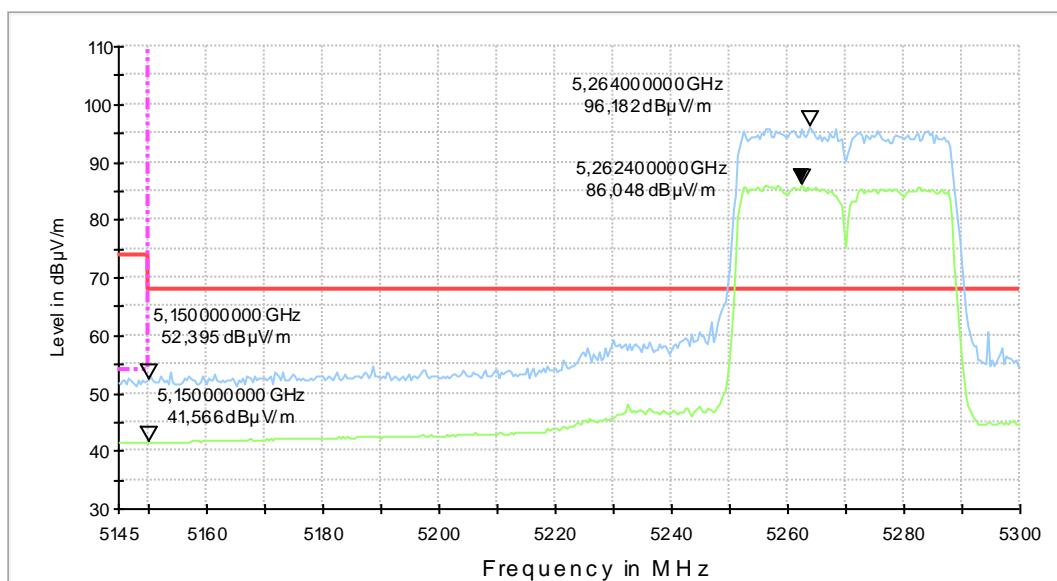
5.9. Channel 54

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)



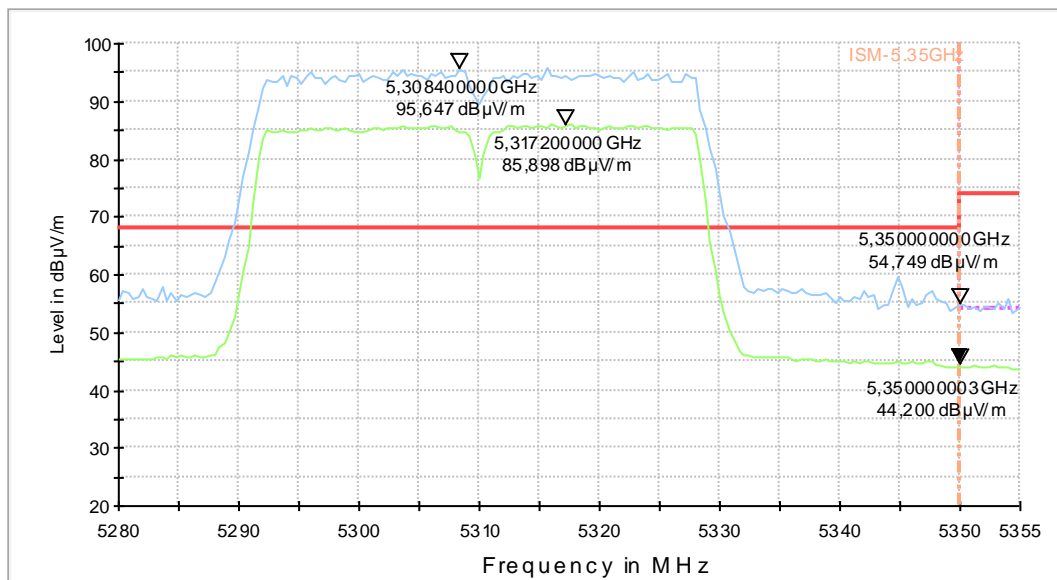
5.10. Channel 62

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)



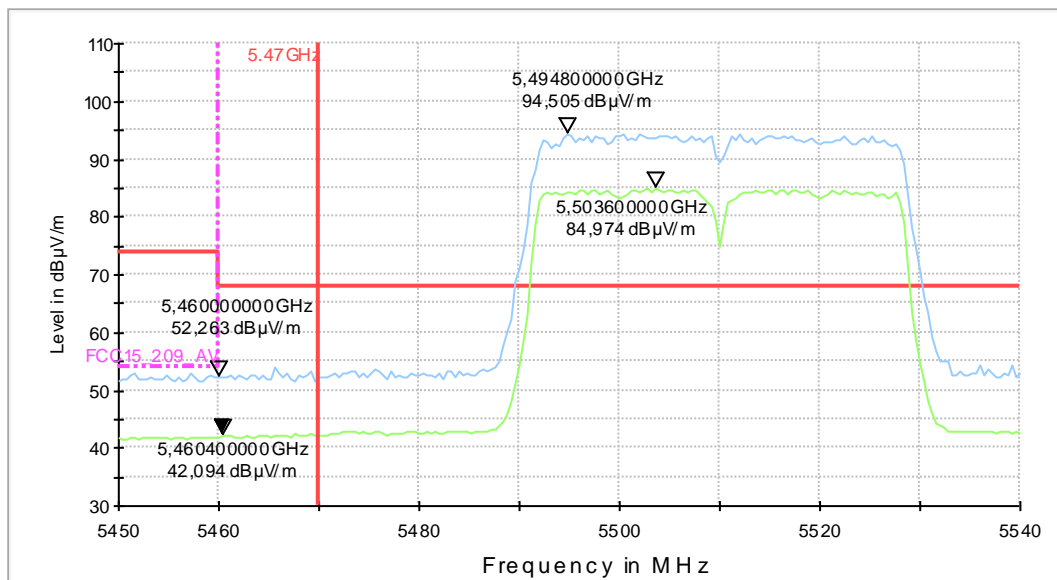
5.11. Channel 102

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)



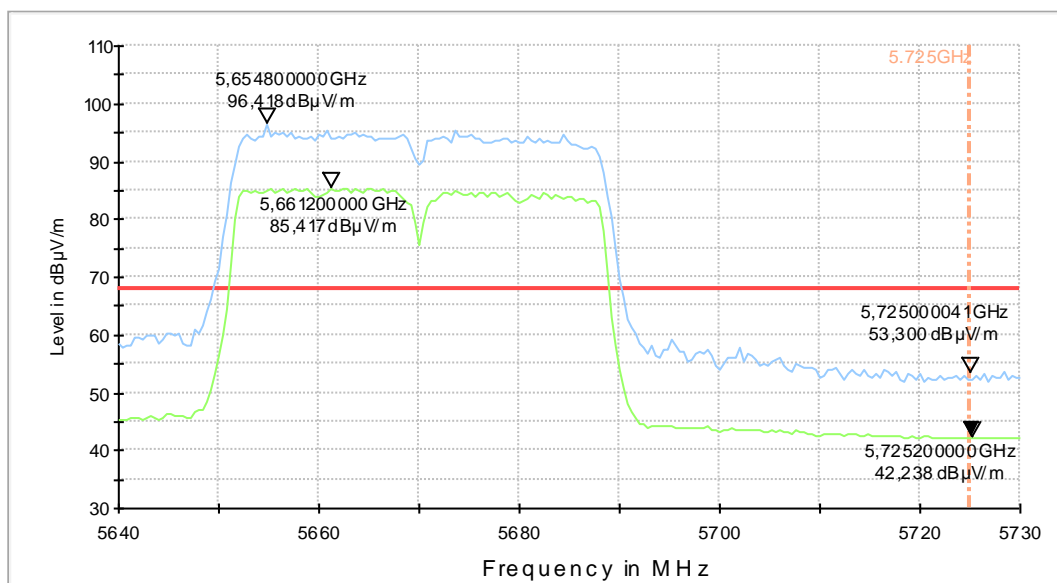
5.12. Channel 134

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)



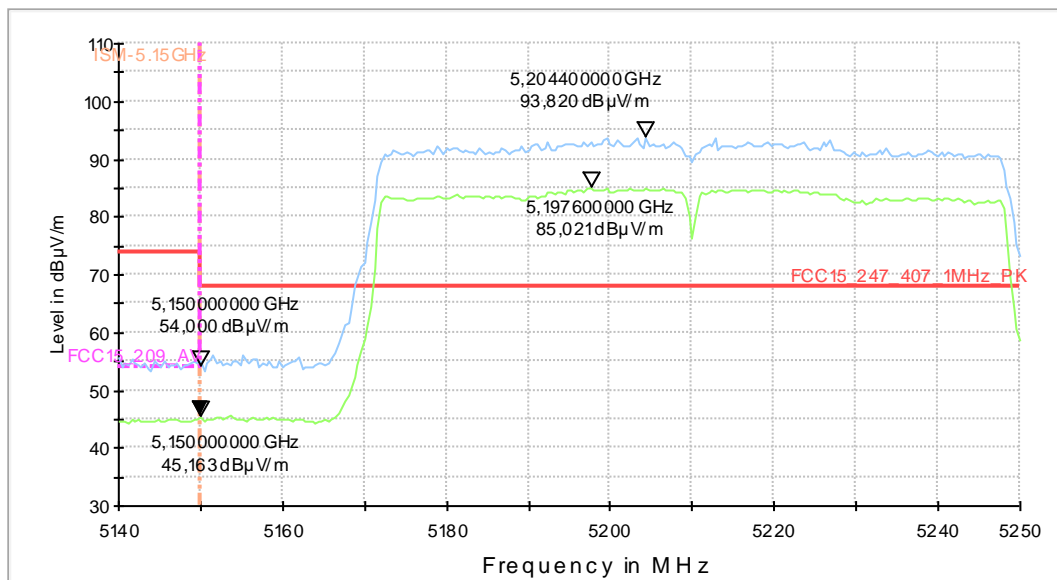
5.13. Channel 42

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)



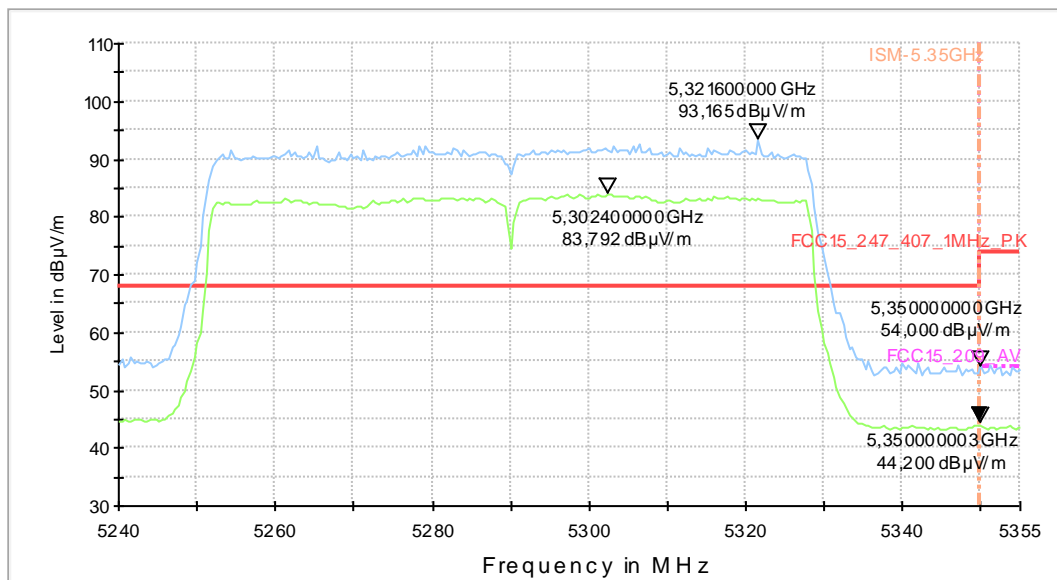
5.14. Channel 58

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)



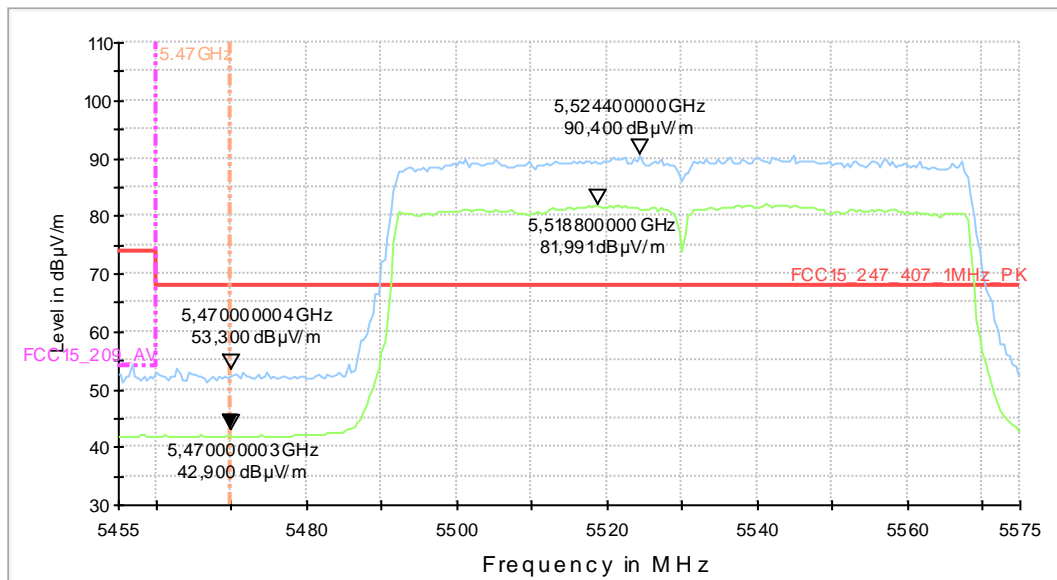
5.15. Channel 106

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

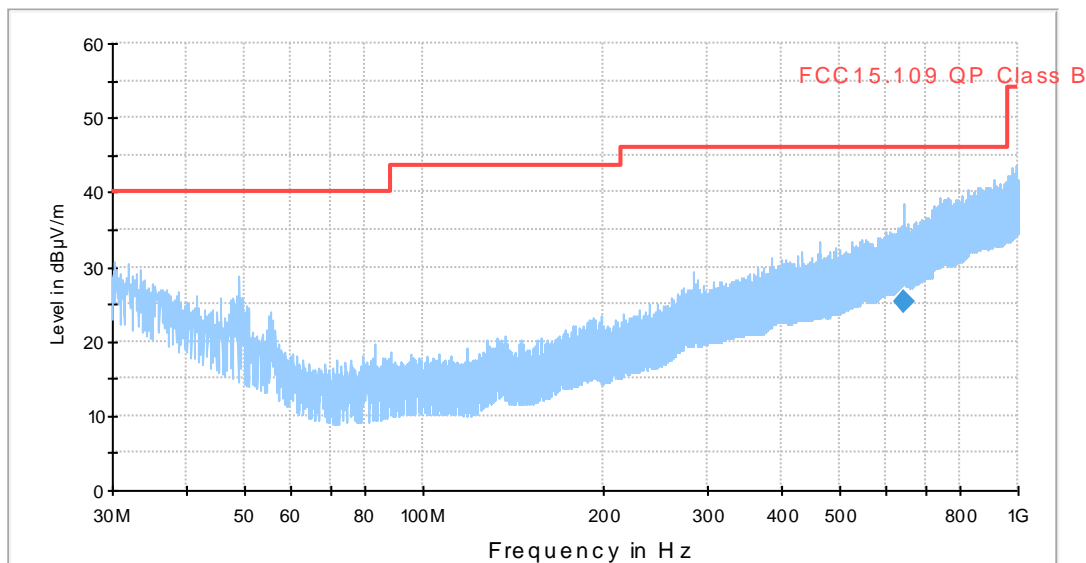


Diagram No. 3.07_RX-Mode_Ch56

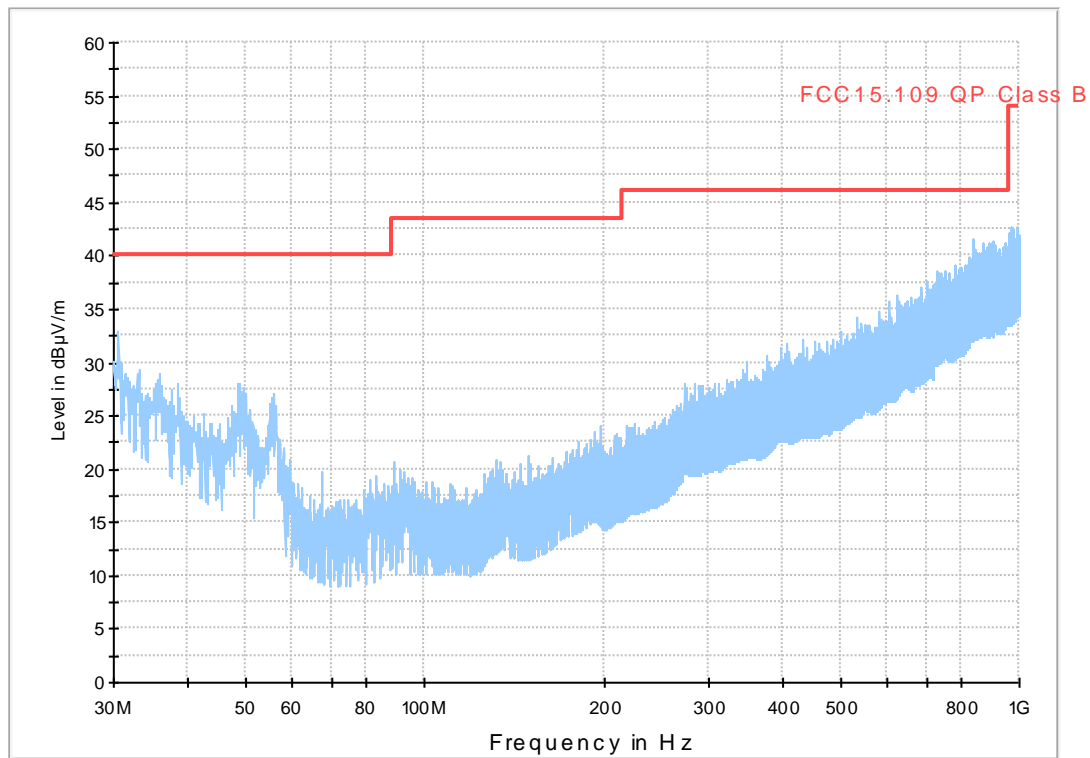
Date:	17.03.2014	Page 1 of 1
Test description:	Electric Filed strength Measurement	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3m measurement distance	
Version of Testsoftware:	8.51.0	
Distance correction:	not used	
Used filter:	not used	
Test specification:	FCC15.109, class B;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

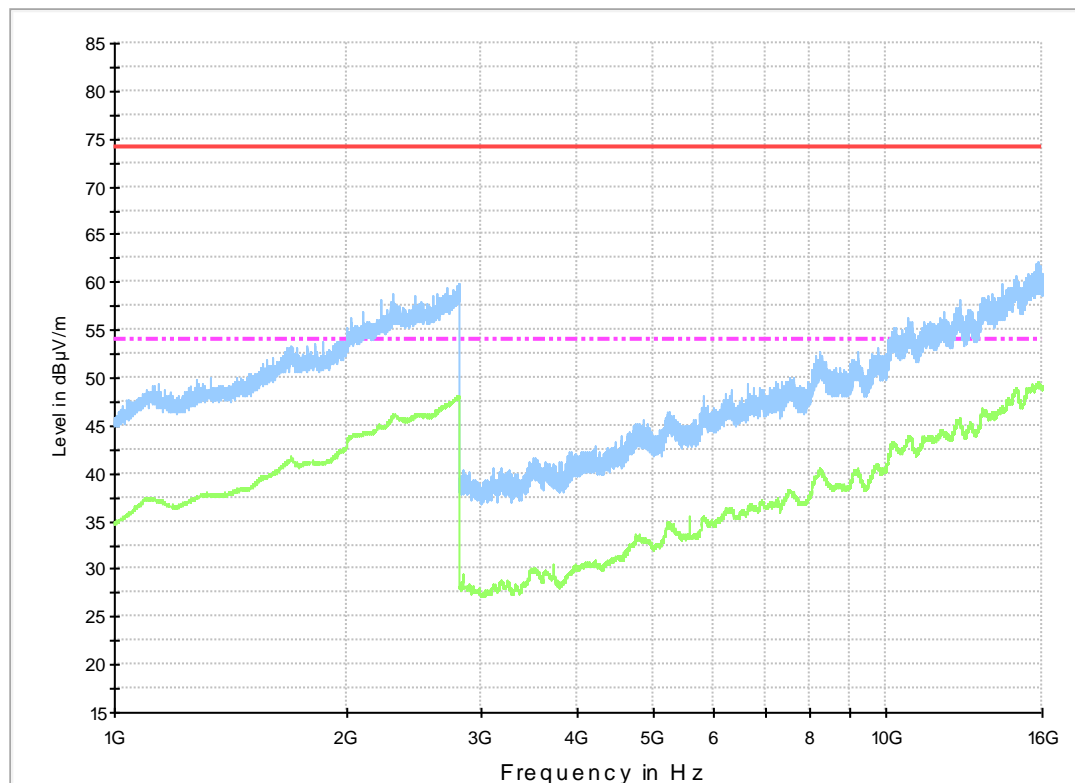


Diagram 4.14_UN2A_Ch56_RX

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

