

Annex 4: Diagrams to  
PARTIAL TEST REPORT  
No.: 2-20823287I/13







According to:  
**FCC Regulations**  
Part 15.109, Part 15.247

for

Sony Mobile Communications

Tablet PC  
(W-LAN 2.4GHz)

FCC-ID: PY7TM-0042

Laboratory Accreditation and Listings			
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# 1. Transmitter spurious emissions

## 1.1. Frequency range f<30MHz

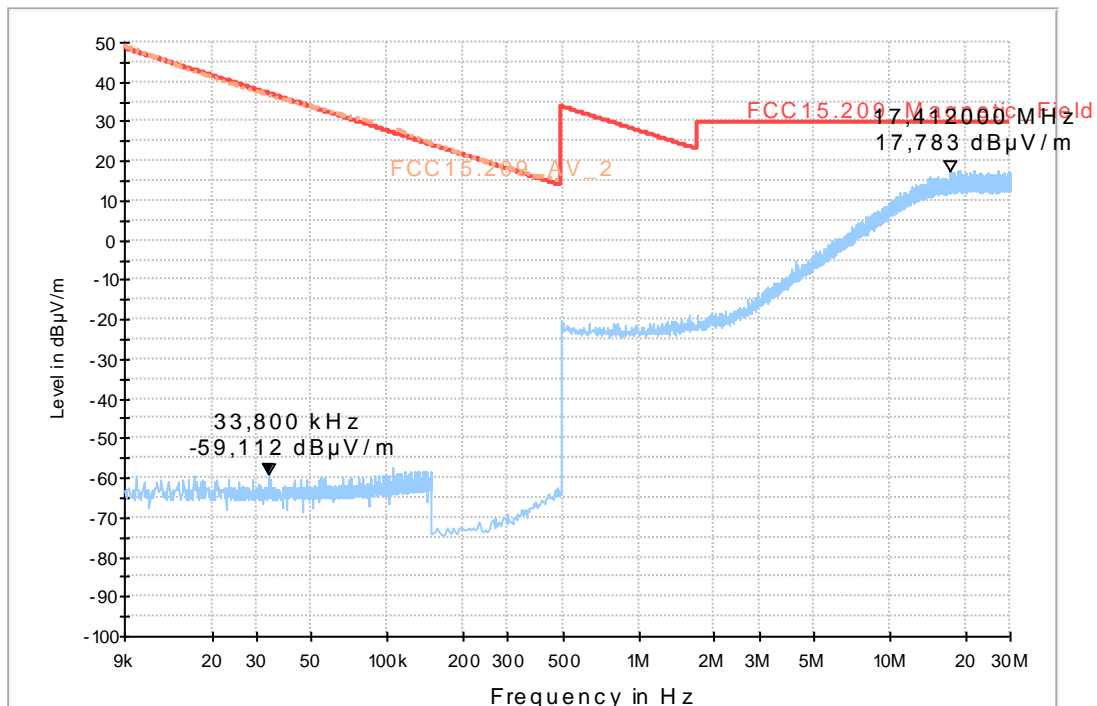
### Diagram No. 2.04\_Ch6\_6Mbit

Date:	11.03.2014	Page 1 of 1
Test description:	Magnetic Fieldstrength 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:	HLa	
Operating conditions:	TX-on continuous, CH6_6MBit	
Power during tests:	12V DC, 110V/60Hz, full loaded batteries	
Comment 1:	Channel middle	
Comment 2:		

### EUT Information

Manufacturer:	Sony
FCC 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



1.1.1. Frequency range 30MHz<f<1GHz

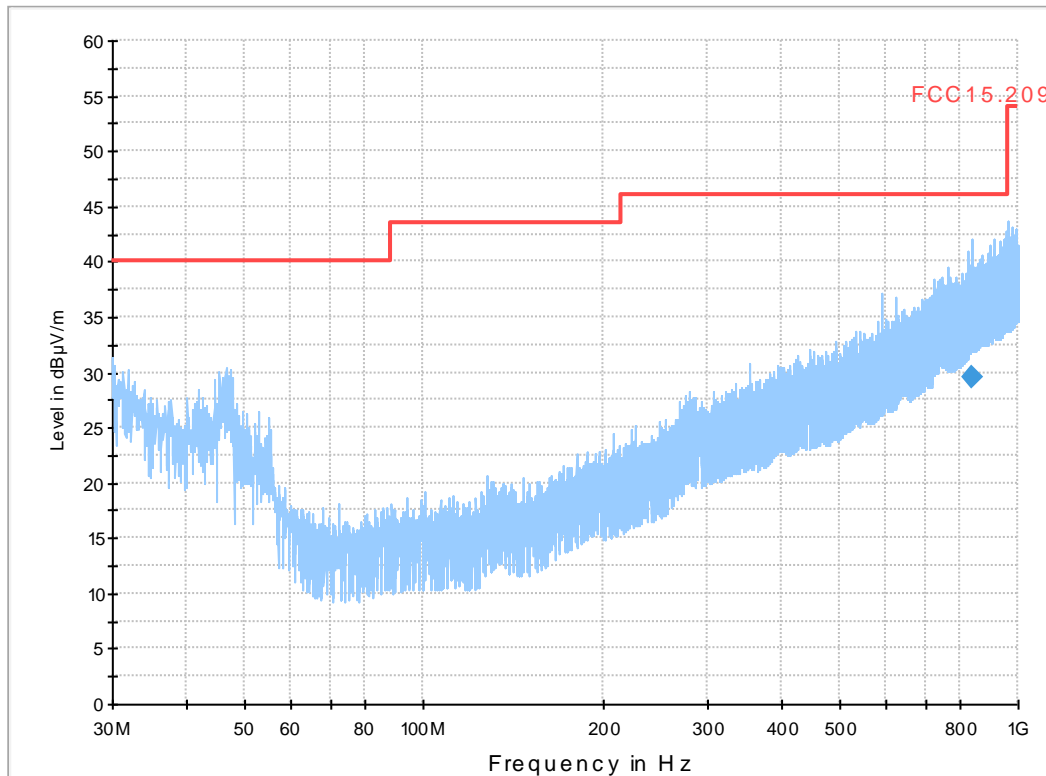
Diagram No. 3.10\_WLAN\_Ch1\_11MBit

Test description:	13.03.2014 Page 1 of 2
Test site and distance:	Electric Fieldstrength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	8.51.0
Used filter:	not used
Technical Data:	TP
Test specification.:	please see page 2 for detailed data of measurement setup
	FCC 15.209; RSS-Gen: Issue 3
Operator:	GAr / DPa
Operating conditions:	TX-on continuous, WLAN_Ch1_11MBit
Power during tests:	120V 60Hz

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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 (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
835.700000	29.6	1000.0	120.000	334.0	V	293.0	0.0	26.2	16.40

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

Frequency (MHz)	Limit (dB $\mu$ V/m)
835.700000	46.00

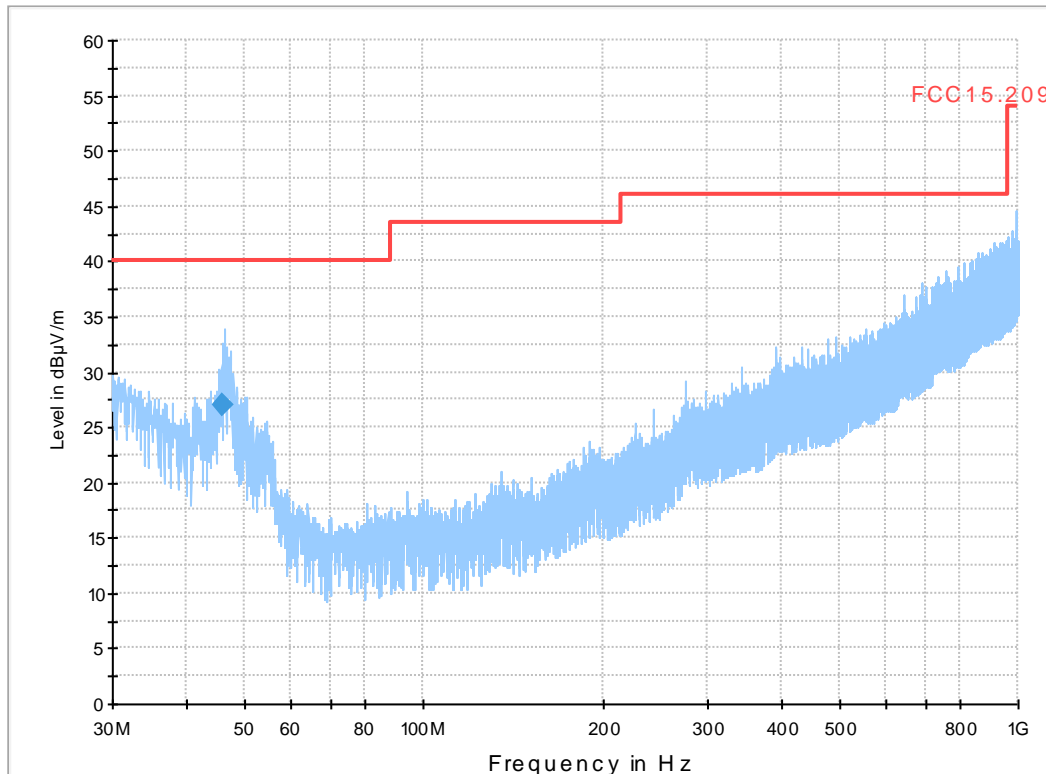
## Diagram No. 3.11\_WLAN\_Ch6\_6MBit

Test description:	13.03.2014 Page 1 of 2
Test site and distance:	Electric Fieldstrength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	8.51.0
Used filter:	not used
Technical Data:	TP
Test specification.:	please see page 2 for detailed data of measurement setup
	FCC 15.209; RSS-Gen: Issue 3
Operator:	GAr / DPa
Operating conditions:	TX-on continuous, WLAN_Ch6_6MBit
Power during tests:	120V 60Hz

### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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 (dB $\mu$ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
46.120000	27.0	1000.0	120.000	105.0	V	289.0	90.0	15.0	13.00

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

Frequency (MHz)	Limit (dB $\mu$ V/m)
46.120000	40.00

### Diagram No. 3.12\_WLAN\_Ch11\_MCS3

13.03.2014 Page 1 of 1  
 Electric Fieldstrength Measurement  
 Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance  
 Version of Testsoftware: 8.51.0  
 Distance correction: not used  
 Used filter: TP  
 Technical Data: please see page 2 for detailed data of measurement setup  
 Test specification.: FCC 15.209; RSS-Gen: Issue 3

Operator: FTe  
 Operating conditions: TX-on continuous, WLAN\_Ch11\_MCS3  
 Power during tests: 120V 60Hz

#### EUT Information

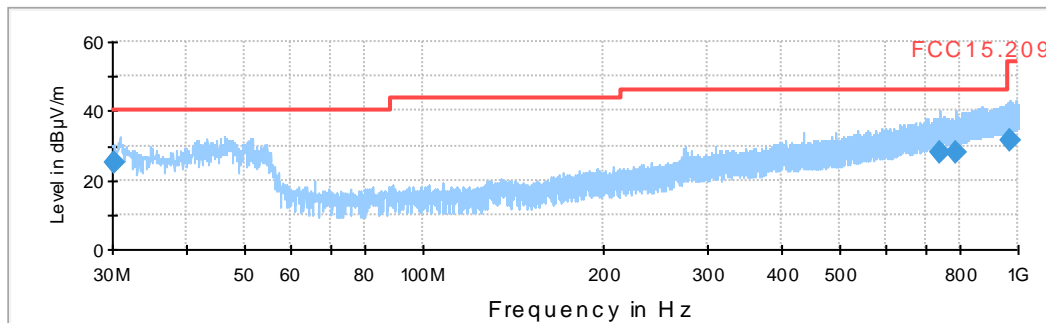
Manufacturer: Sony  
 FCC ID: PY7TM-0042  
 Type: GSM-/ WCDMA- /LTE Tablet PC

---

EUT: RSE #01  
 HW version: AP1  
 SW version: 17.1.D.0.108  
 SVN: -  
 Config: -  
 Serial number: CB5126DQ9V  
 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)	Limit (dBµV/m)
30.130000	25.0	1000.0	120.000	148.0	H	192.0	90.0	22.0	15.00	40.00
740.850000	28.0	1000.0	120.000	368.0	H	356.0	90.0	24.7	18.00	46.00
785.700000	28.1	1000.0	120.000	209.0	H	216.0	90.0	25.2	17.90	46.00
972.020000	31.3	1000.0	120.000	184.0	V	75.0	90.0	27.7	22.70	54.00



1.1.2. Frequency range  $f > 1\text{GHz}$

Diagram No.: 4.01\_WLAN\_Ch1\_11MBit

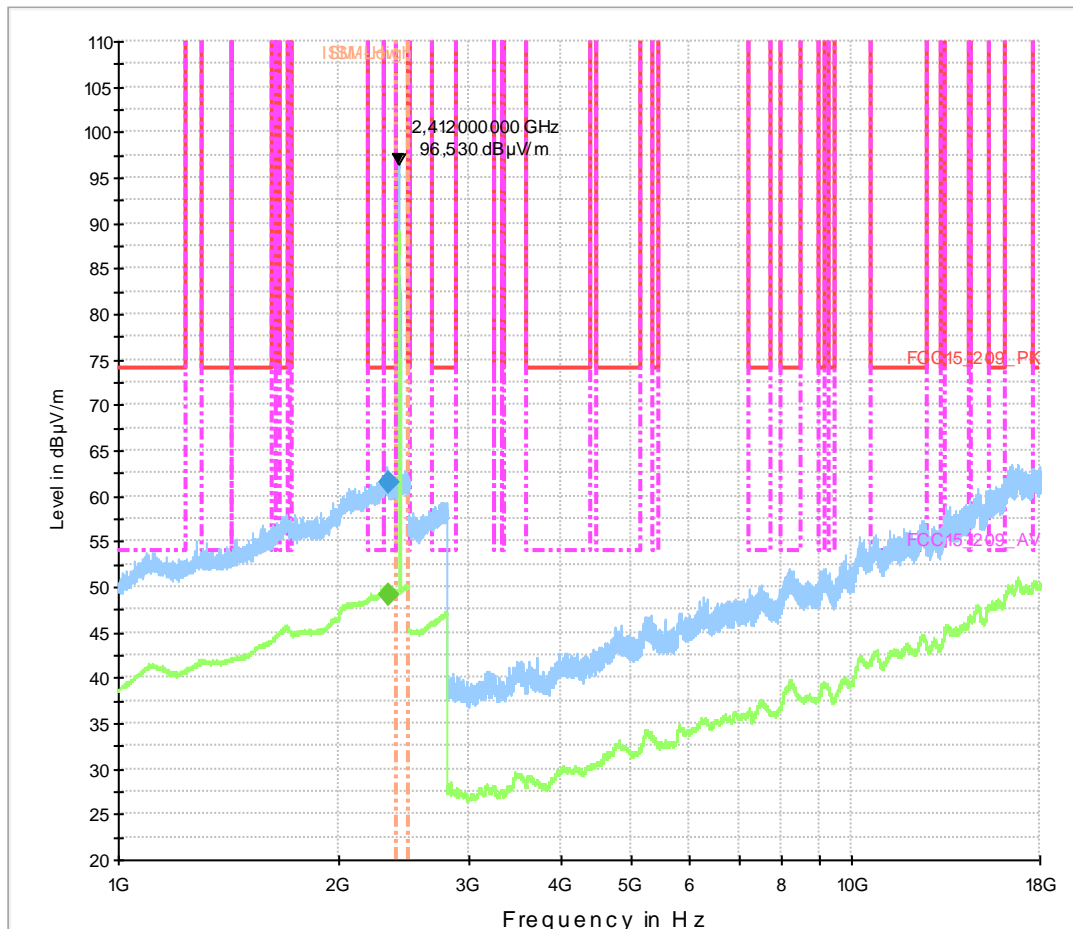
Common Information

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:	ABA
Comment:	Channel no. low=1

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_SM1\_KP1\_WLAN\_500us



**Final Result 1**

Frequency (MHz)	MaxPeak (dB $\mu$ V/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dB $\mu$ V/m)
2334.500000	61.4	100.0	1000.000	155.0	V	100.0	0.0	35.7	12.6	74.0

(continuation of the "Final Result 1" table from column 11 ...)

Frequency	Comment
2334.500000	

**Final Result 2**

Frequency (MHz)	Average (dB $\mu$ V/m)	Meas. Time	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)
2334.500000	49.0	100.0	1000.000	155.0	V	100.0	0.0	35.7	5.0

(continuation of the "Final Result 2" table from column 10 ...)

Frequency (MHz)	Limit (dB $\mu$ V/m)	Comment
2334.500000	54.0	

## Diagram No.: 4.02\_WLAN\_Ch6\_6MBit

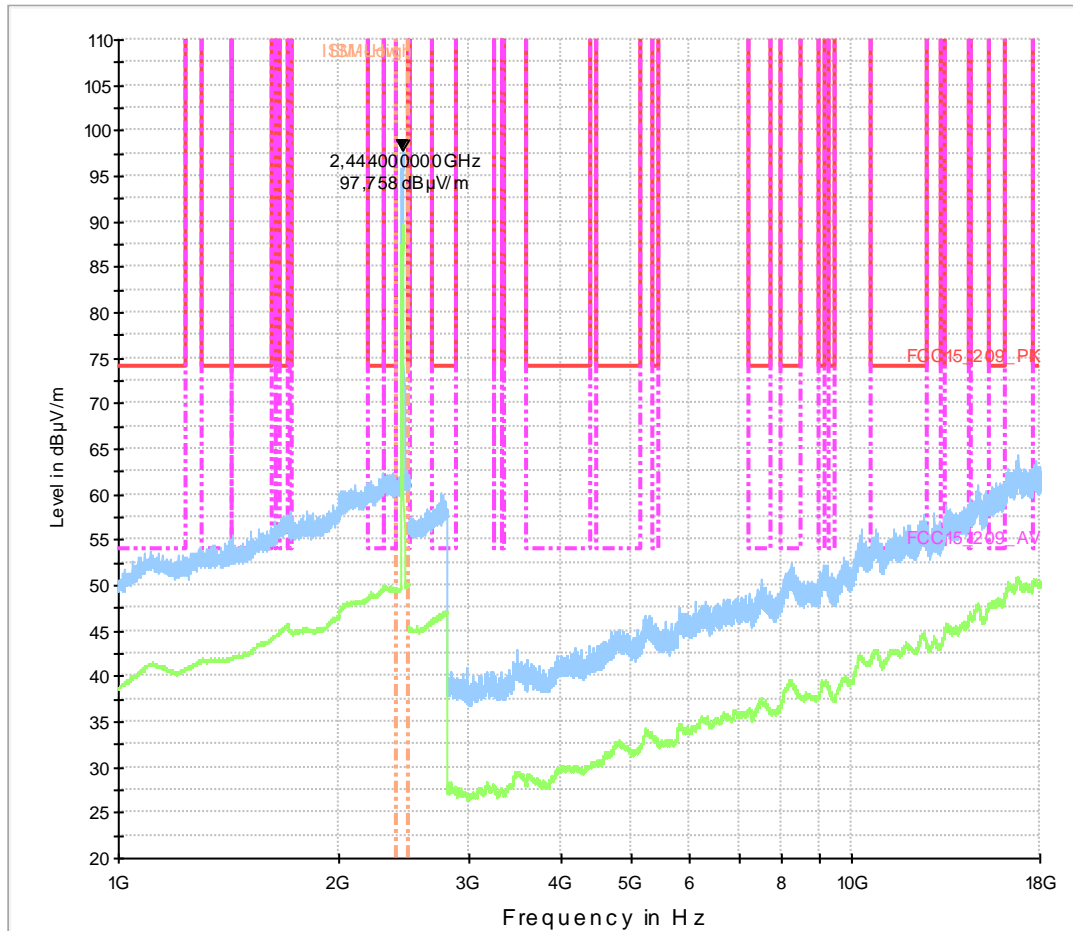
### Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. middle=6
Op. Mode:	W-LAN 2.4GHz, g-Mode, 6Mbit

### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_SM1\_KP1\_WLAN\_500us



## Diagram No.: 4.03\_WLAN\_Ch11\_MCS3

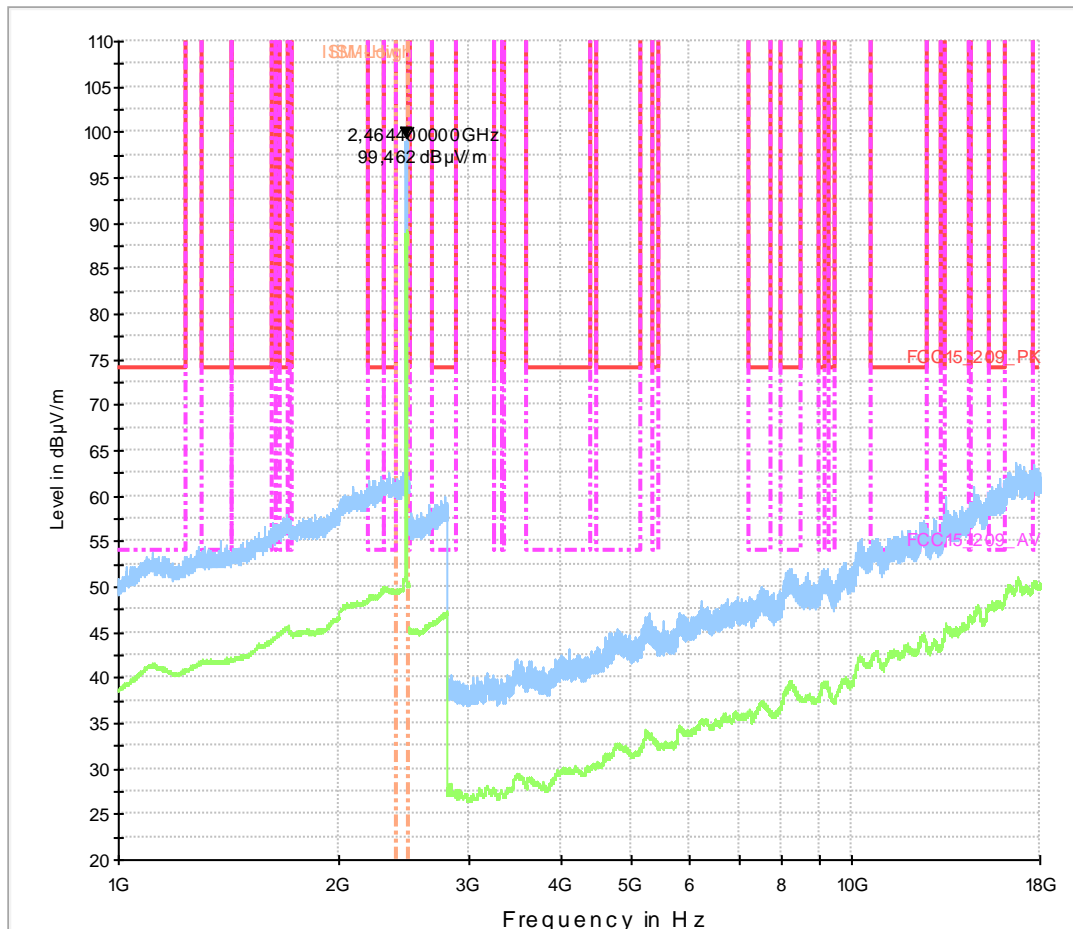
### Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. 11
Op. Mode:	W-LAN 2.4GHz, g-Mode, MCS3

### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_SM1\_KP1\_WLAN\_500us



## 1.2. Band Edge radiated

### 1.2.1. Right Band-Edge b-mode, channel 1

#### Diagram No.: 9.01\_BE\_WLAN\_Ch1\_11Mbit

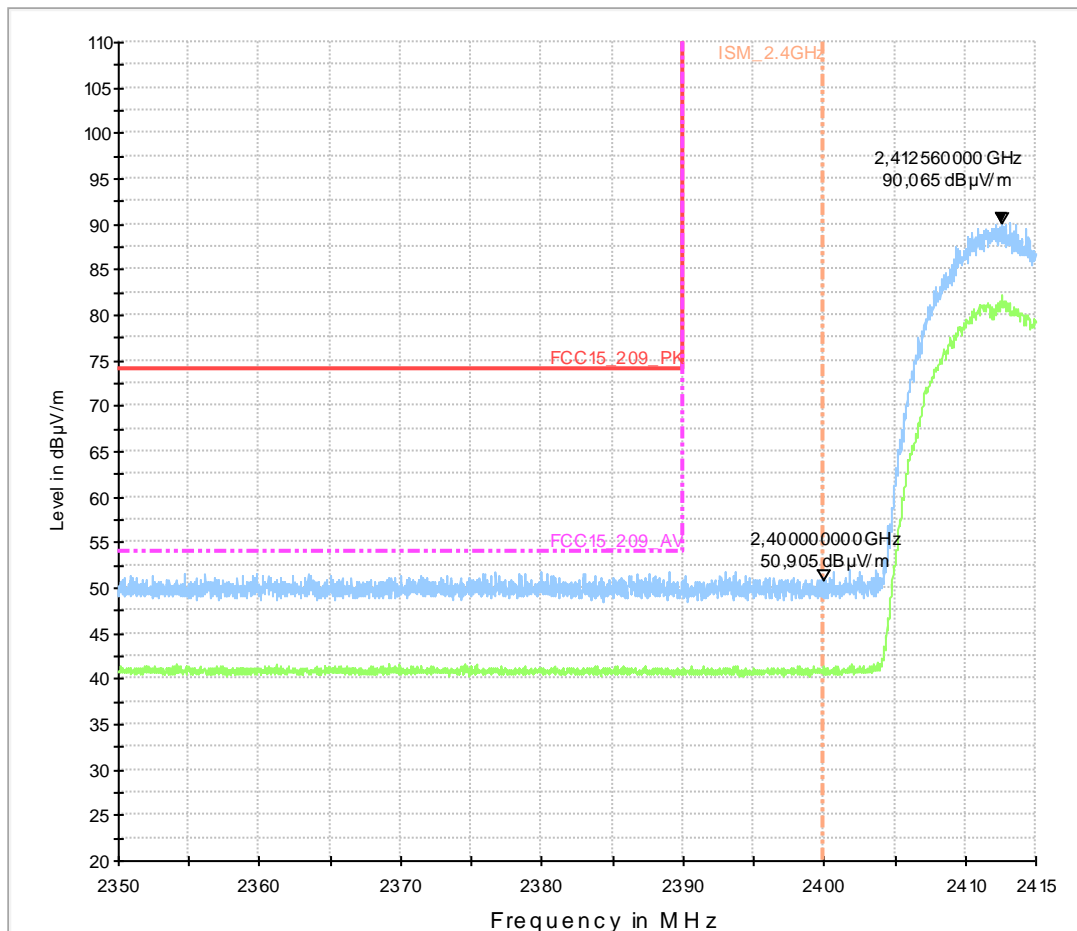
#### Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. low=1
Op. Mode:	W-LAN 2.4GHz, a-Mode, 11Mbit

#### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_Low\_SM1\_KP1\_WLAN\_1ms



1.2.2. Left Band-Edge b-mode, channel 11

Diagram No.: 9.08\_BE\_High\_Ch11\_11MBit

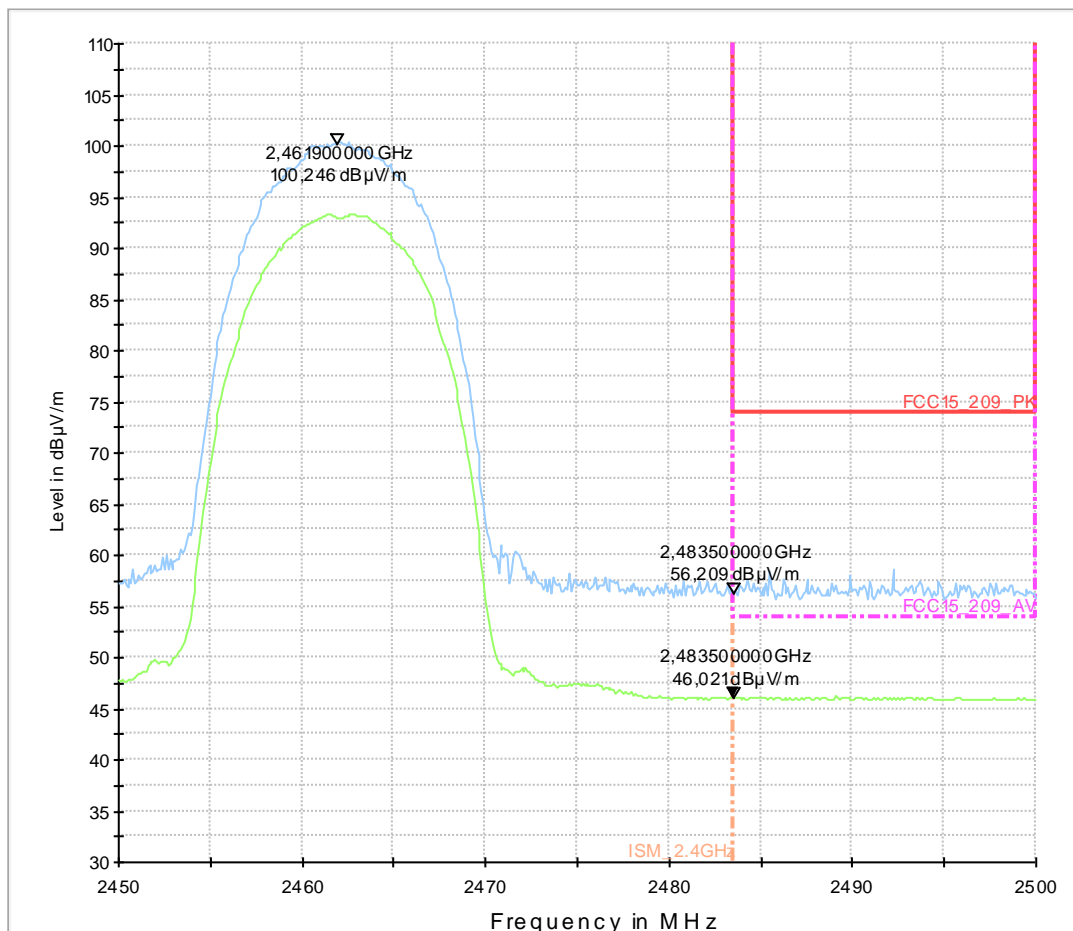
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. 11
Op. Mode:	WLAN gMode

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_W LAN\_1ms



1.2.3. Right Band-Edge b-mode, 1Mbps, channel 1

Diagram No.: 9.02\_BE\_Ch1\_1MBit

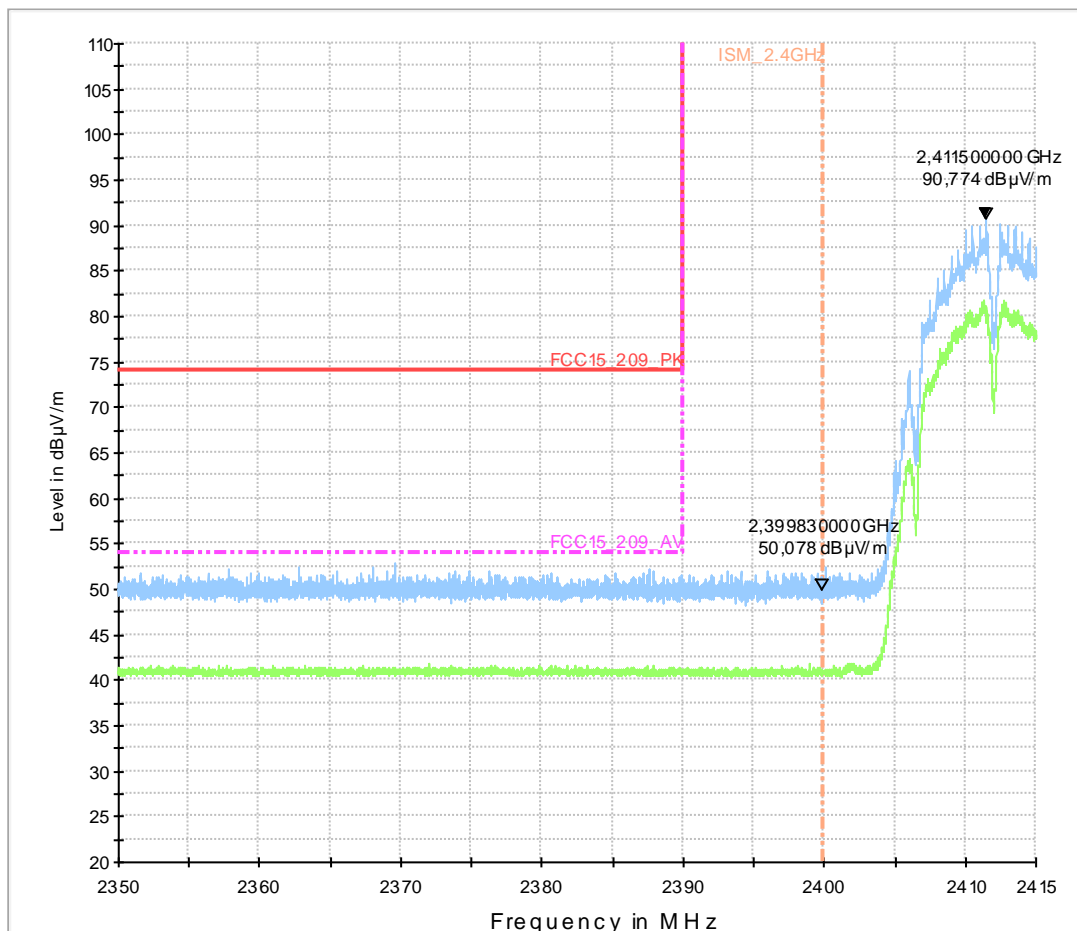
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	gar
Comment:	Channel no. low=1
Op. Mode:	W-LAN 2.4GHz, b-Mode, 1Mbit

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_Low\_SM1\_KP1\_W LAN\_1 ms



1.2.4. Left Band-Edge b-mode, 1Mbps, channel 11

Diagram No.: 9.09\_BE\_High\_Ch11\_1MBit

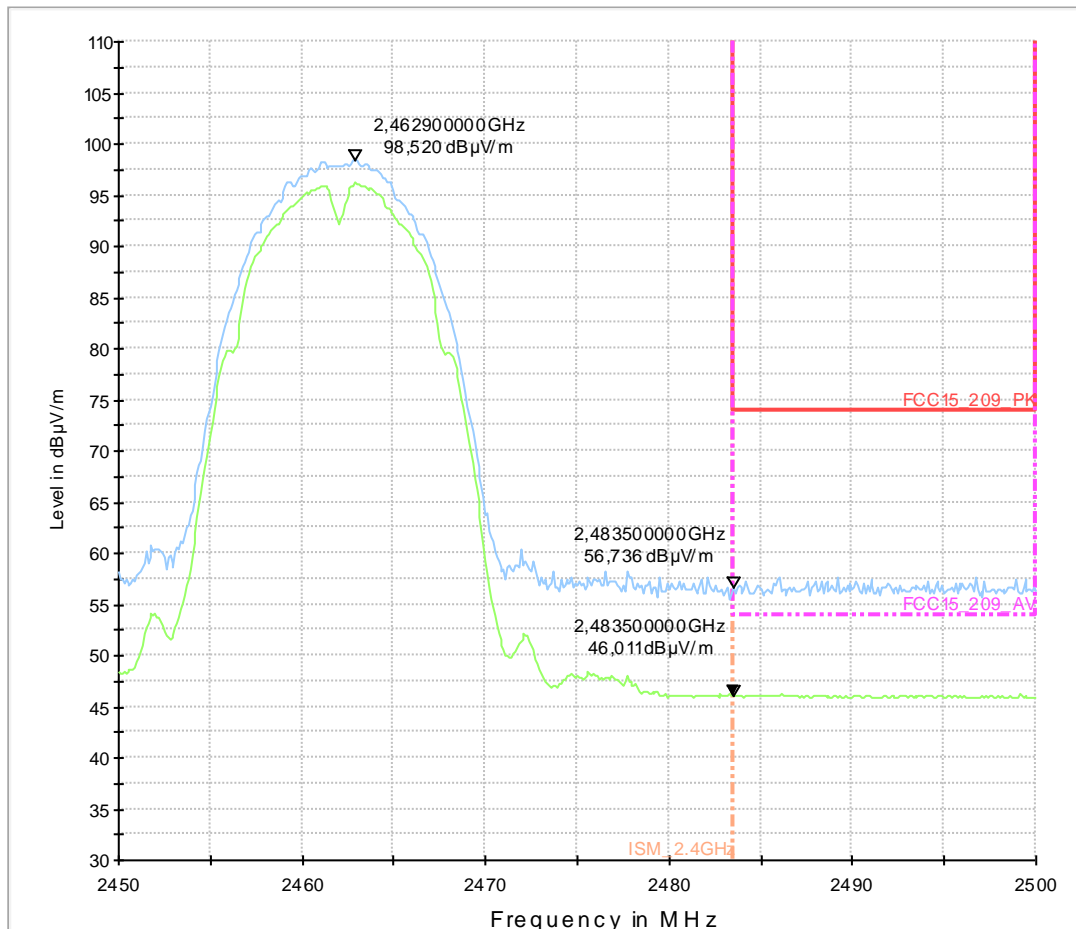
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	gar
Comment:	Channel no. high=11
Op. Mode:	W-LAN 2.4GHz, b-Mode, 1Mbit

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_W LAN\_1 ms





1.2.5. Left Band-Edge g-mode, 6Mbps, channel 1

Diagram No.: 9.10\_WLAN\_BE\_Ch1\_6MBit

Common Information

Test Description: Radiated field strength emission accord. §15.247 in 3m distance  
 Test Site: CETECOM GmbH Essen  
 Test Standard: §15.205 & 15.209 Intentional Radiator  
 Antenna polarisation: horizontal/vertical

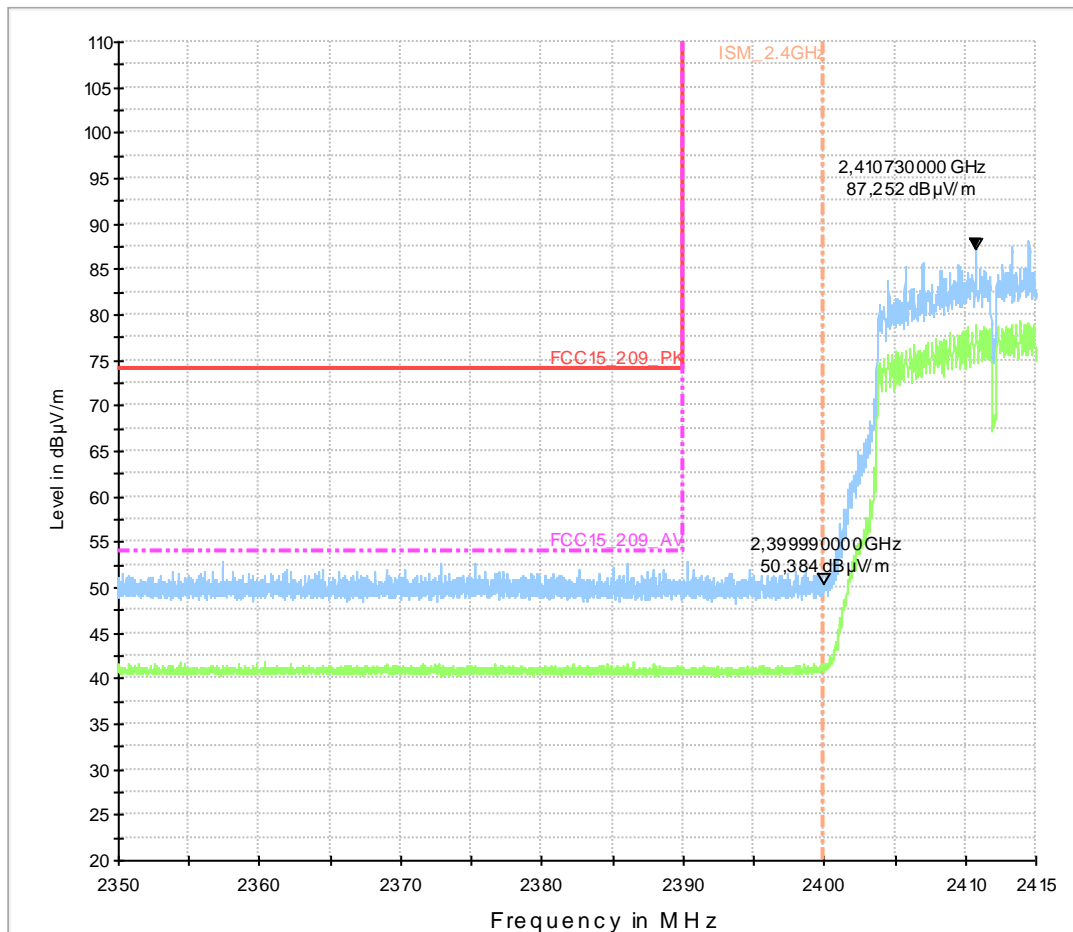
Operator Name: ABA  
 Comment: Channel no. 1!  
 Op. Mode: WLAN gMode

EUT Information

Manufacturer: Sony  
 FCC 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: CB5126DQ9V  
 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\_BE\_Low\_SM1\_KP1\_WLAN\_1ms



1.2.6. Right Band-Edge g-mode, 6Mbps, channel 11

Diagram No.:9.06\_BE\_High\_Ch11\_6MBit

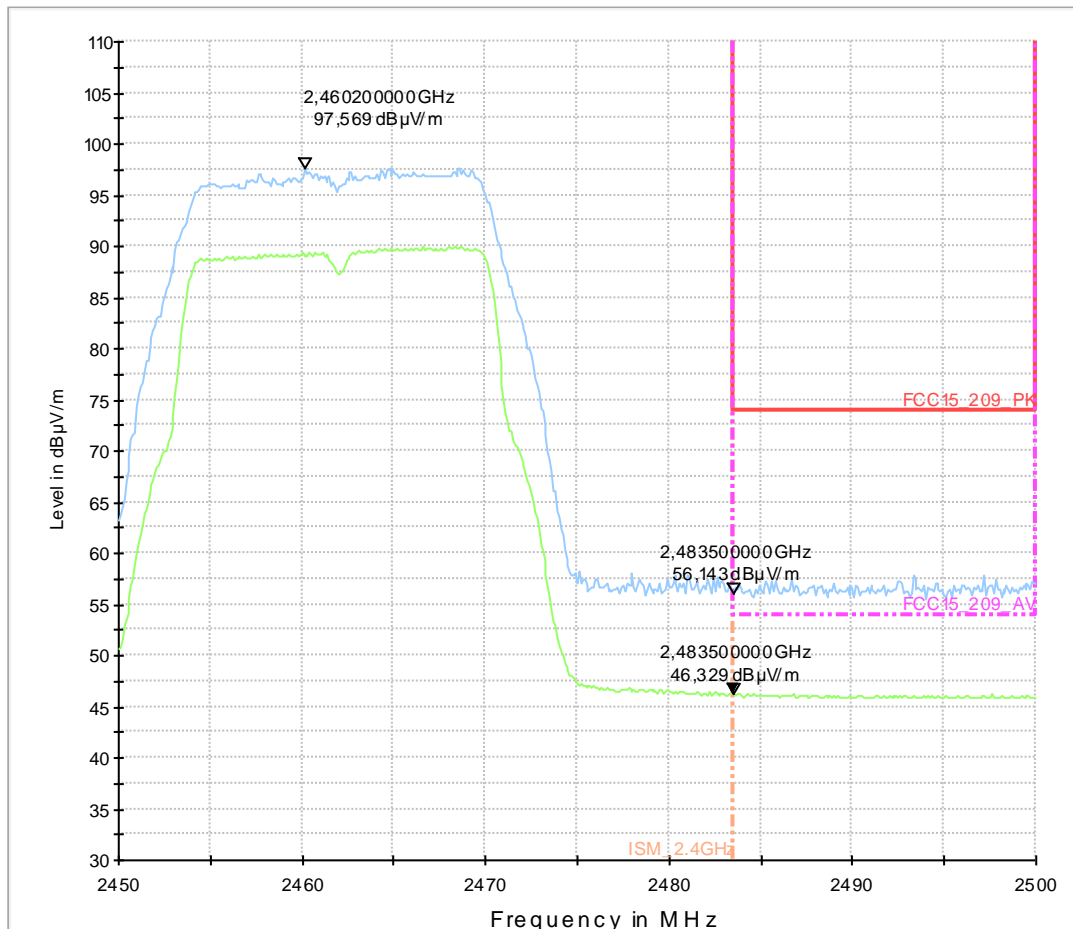
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. 11
Op. Mode:	WLAN gMode

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_WLAN\_1ms



**1.2.7. Right Band-Edge g-mode, 54Mbps, channel 1**

**Diagram No.: 9.11**

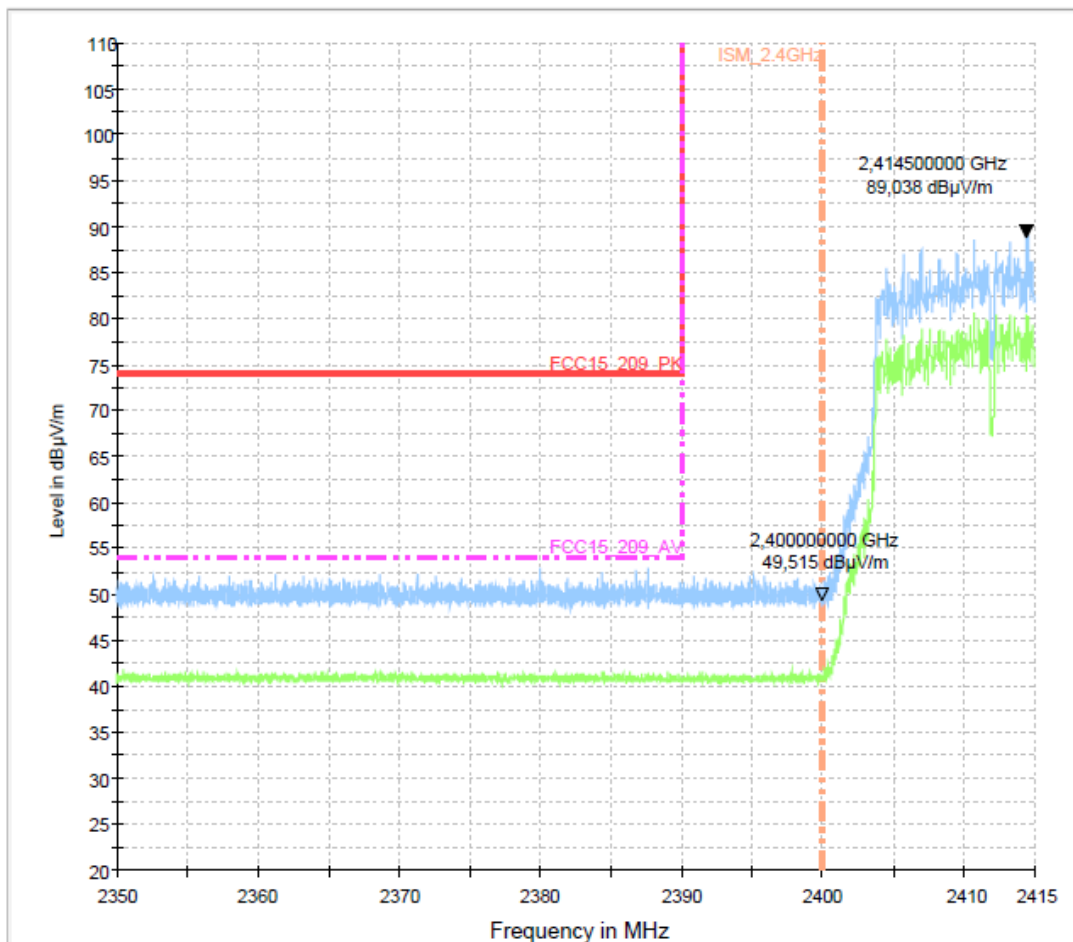
**Common Information**

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	dpa
Comment:	Channel no. low=1
Op. Mode:	W-LAN 2.4GHz, g-Mode, 54MB

**EUT Information**

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_Low\_SM1\_KP1\_WLAN\_1ms



### 1.2.8. Right Band-Edge g-mode, 54Mbps, channel 11

## Diagram No.: 9.07\_BE\_High\_Ch11\_54MBit

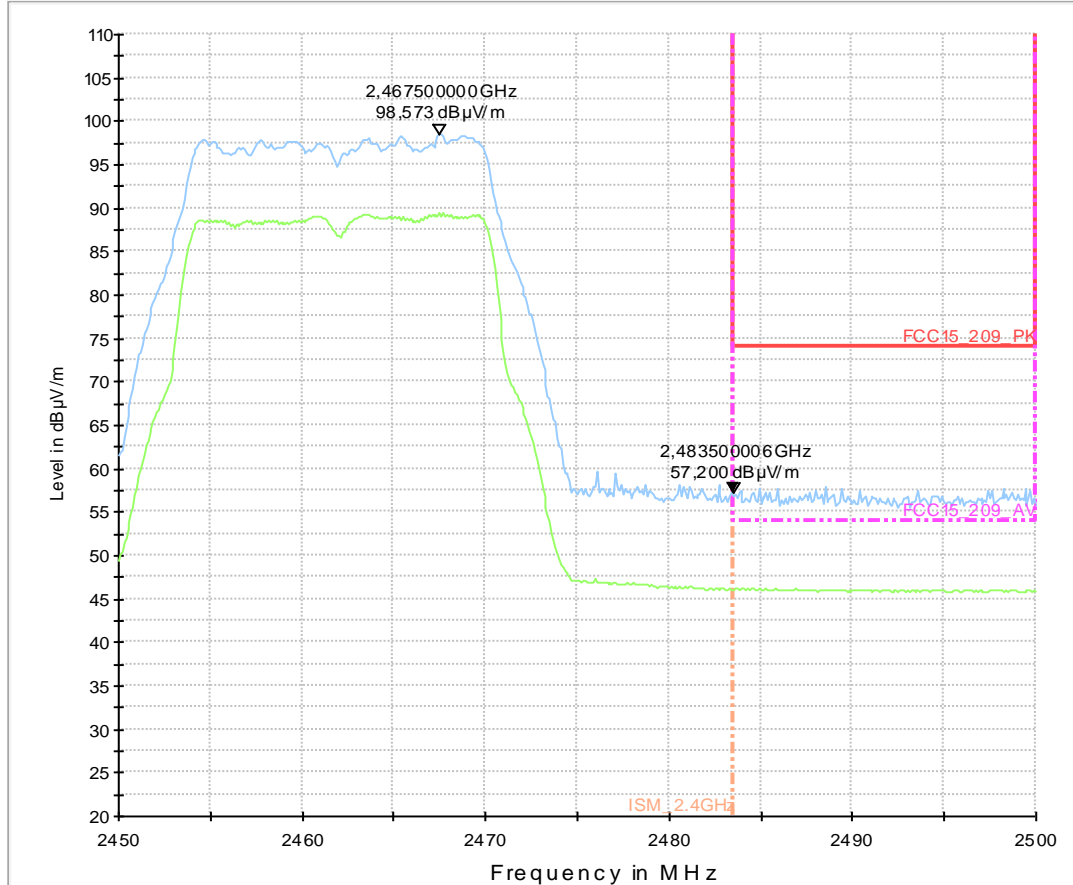
#### Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & §15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	gar
Comment:	Channel no. high=11
Op. Mode:	W-LAN 2.4GHz, g-Mode, 54Mbit

#### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_W LAN\_1 ms



**1.2.9. Right Band-Edge n-mode, MCS 0, channel 1**

**Diagram No.: 9.12\_WLAN\_BE\_Ch1\_MCS0**

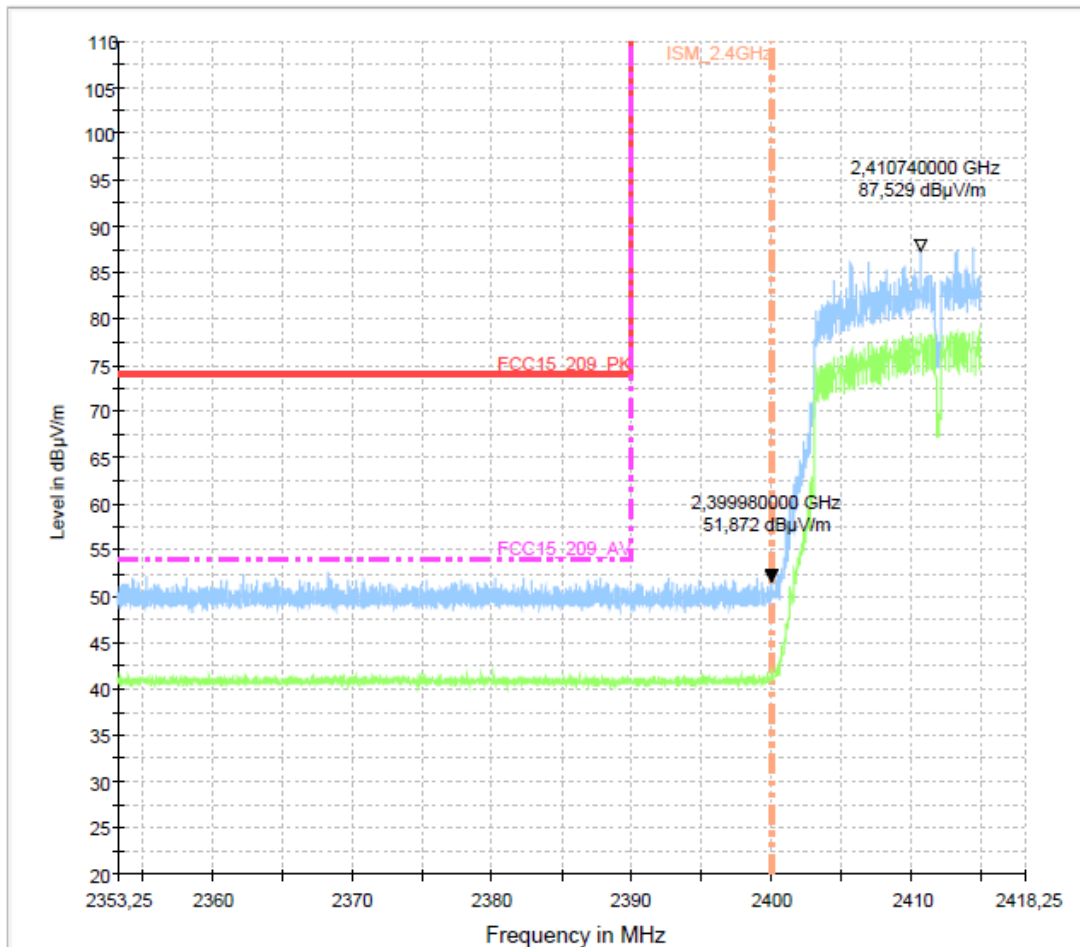
**Common Information**

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. I1
Op. Mode:	WLAN

**EUT Information**

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_Low\_SM1\_KP1\_WLAN\_1ms



1.2.10. Left Band-Edge n-mode, MCS 0, channel 11

Diagram No.:9.04\_BE\_High\_Ch11\_MCS0

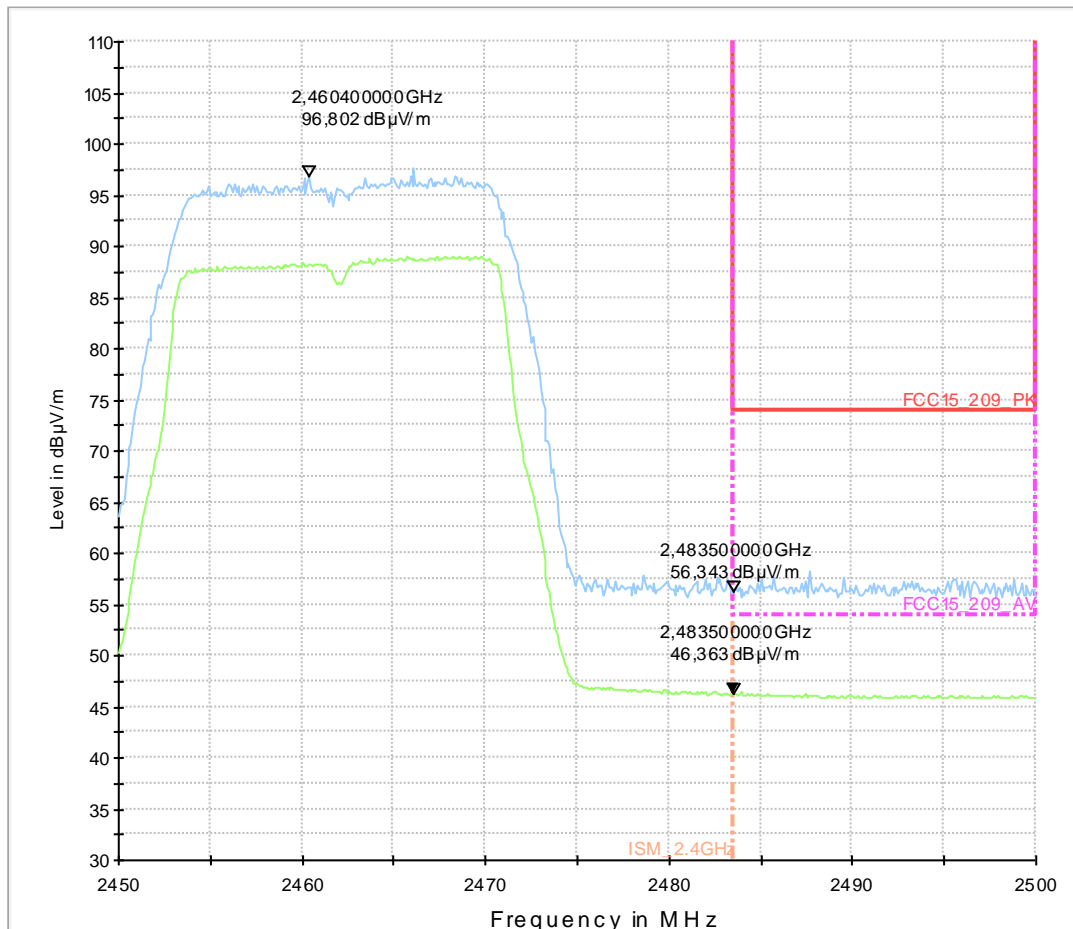
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 &15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. 11
Op. Mode:	WLAN nMode

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_W LAN\_1ms



**1.2.11. Right Band-Edge n-mode, MCS 3, channel 1**

**Diagram No.: 9.13\_BE\_Ch1\_MCS3**

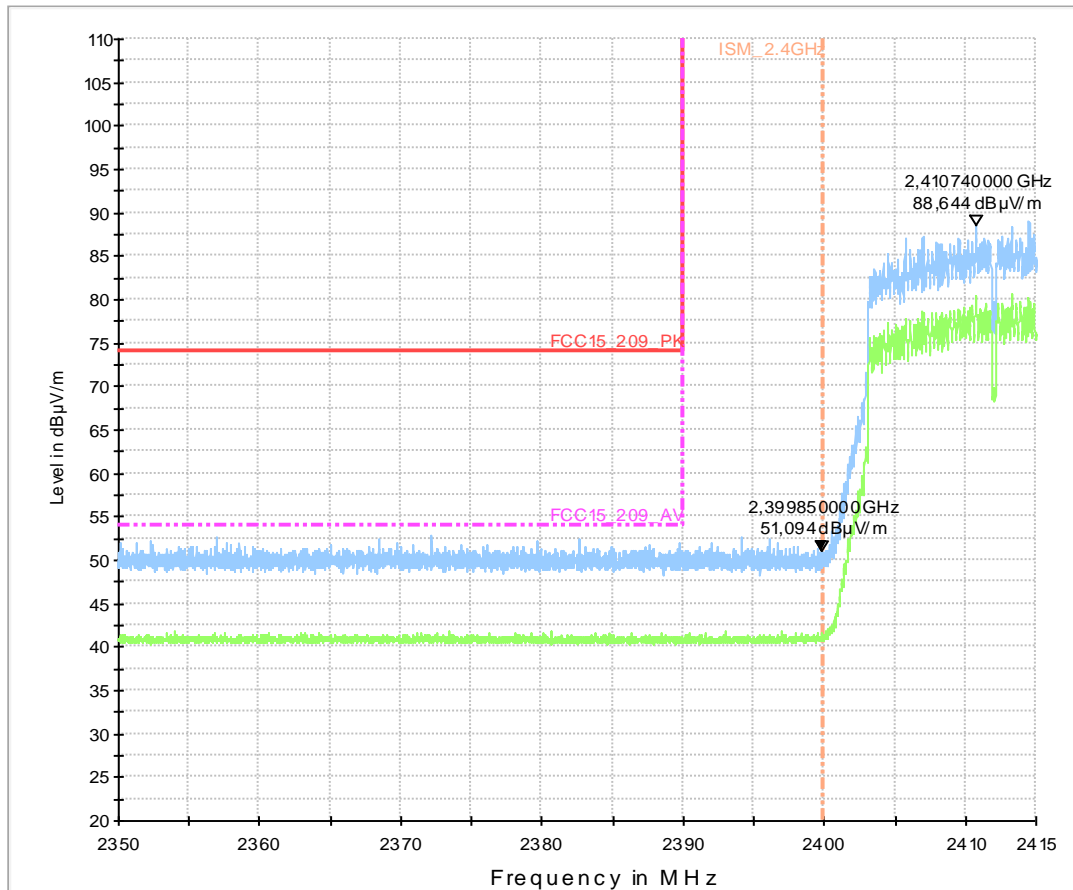
**Common Information**

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	ABA
Comment:	Channel no. 1
Op. Mode:	W-LAN 2.4GHz, n-Mode, MSC3

**EUT Information**

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_Low\_SM1\_KP1\_W LAN\_1ms



1.2.12. Left Band-Edge n-mode, MCS 3, channel 11

Diagram No.:9.03\_WLAN\_BE\_High\_Ch11\_MCS3

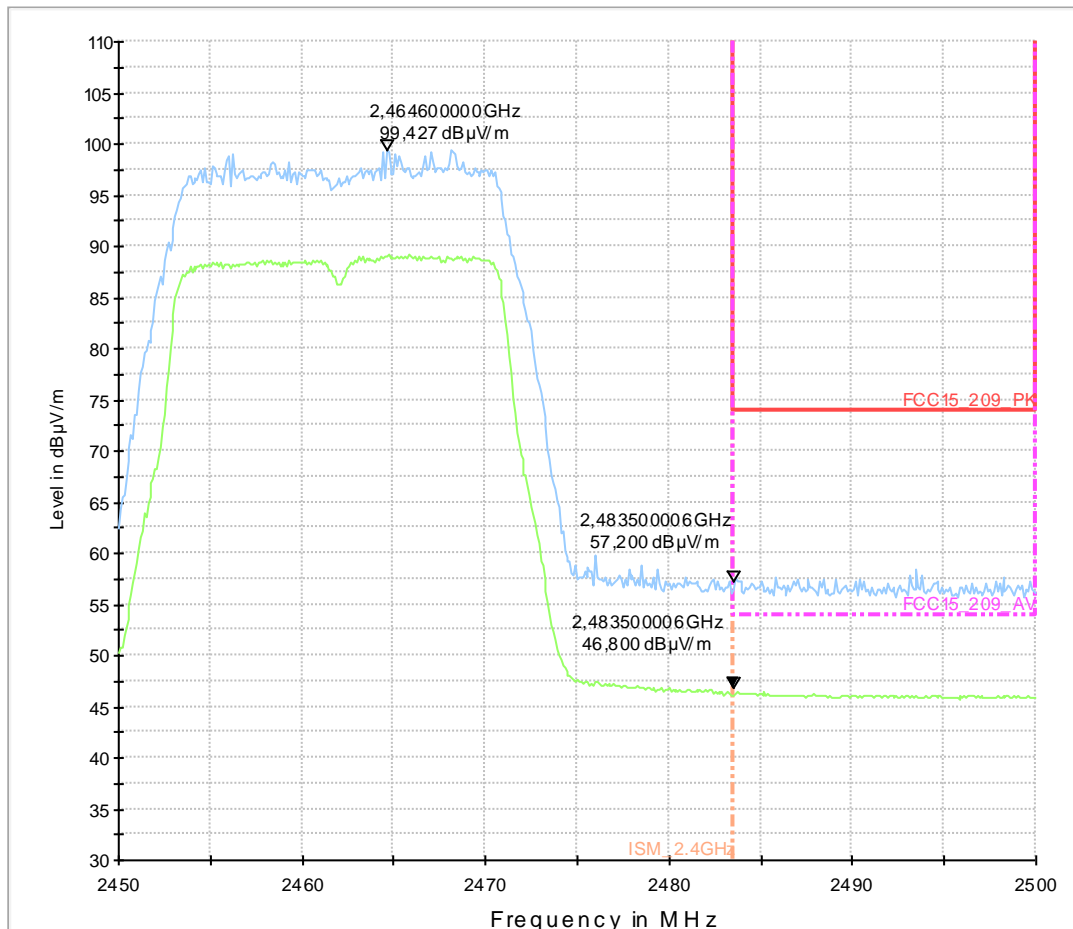
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	gar
Comment:	Channel no. high=11
Op. Mode:	W-LAN 2.4GHz, n-Mode, MCS3

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_WLAN\_1ms





**1.2.13. Right Band-Edge n-mode, MCS 7, channel 1**

**Diagram No.: 9.14\_BE\_Ch1\_MCS7**

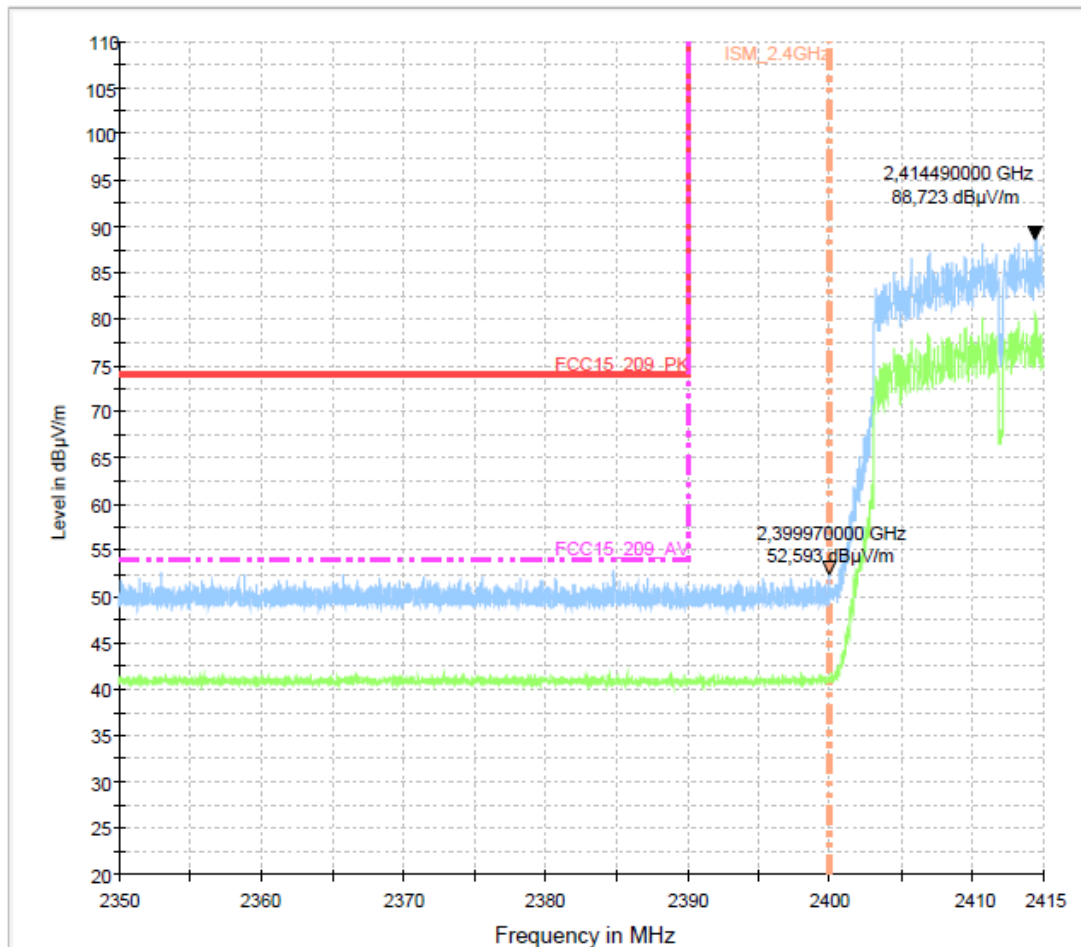
**Common Information**

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	dpa/gar
Comment:	Channel no. low=1
Op. Mode:	W-LAN 2.4GHz, n-Mode, MCS7

**EUT Information**

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_Low\_SM1\_KP1\_WLAN\_1ms



1.2.14. Left Band-Edge n-mode, MCS 7, channel 11

Diagram No.: 9.05\_BE\_High\_Ch11\_MCS7

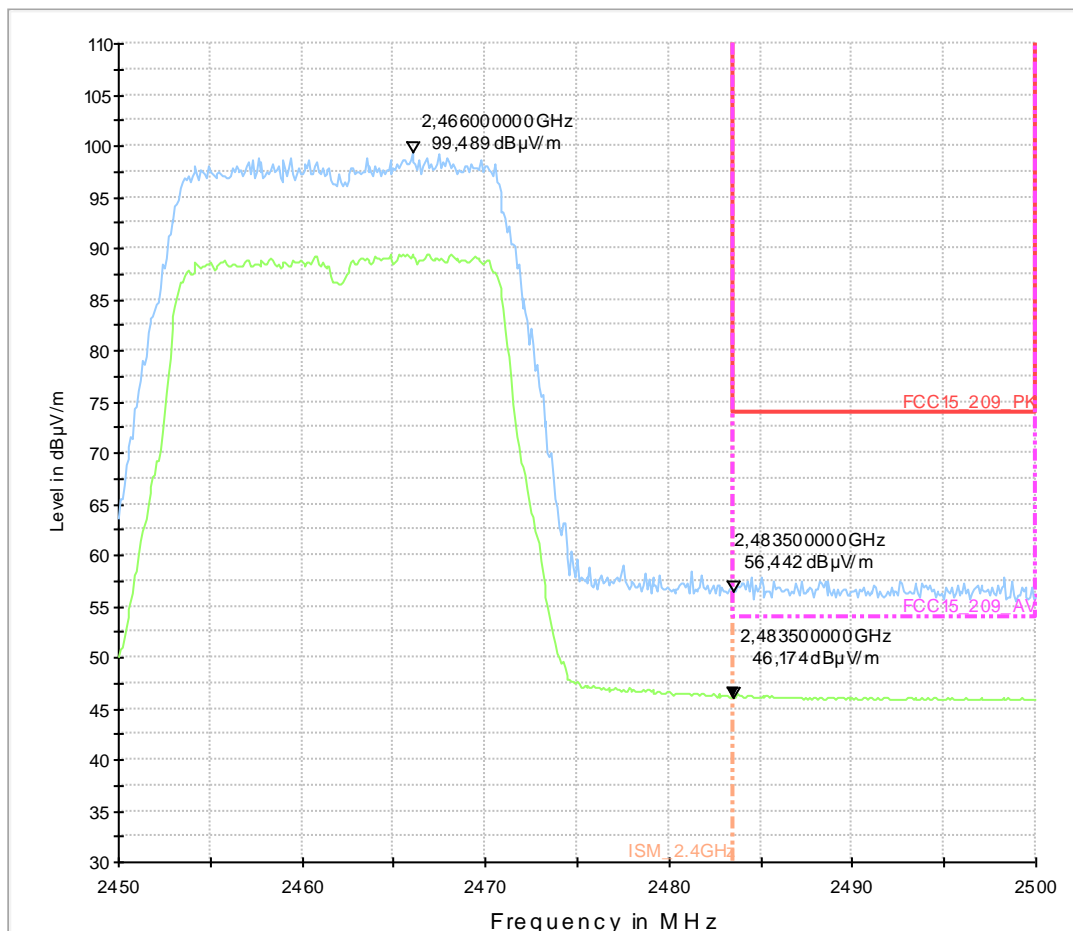
Common Information

Test Description:	Radiated field strength emission accord. §15.247 in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	§15.205 & 15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operator Name:	gar
Comment:	Channel no. high=11
Op. Mode:	W-LAN 2.4GHz, n-Mode, MCS7

EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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\_BE\_High\_SM1\_KP1\_W LAN\_1.ms



## 2. Receiver spurious emissions

### 2.1. Frequency range $f < 1\text{GHz}$

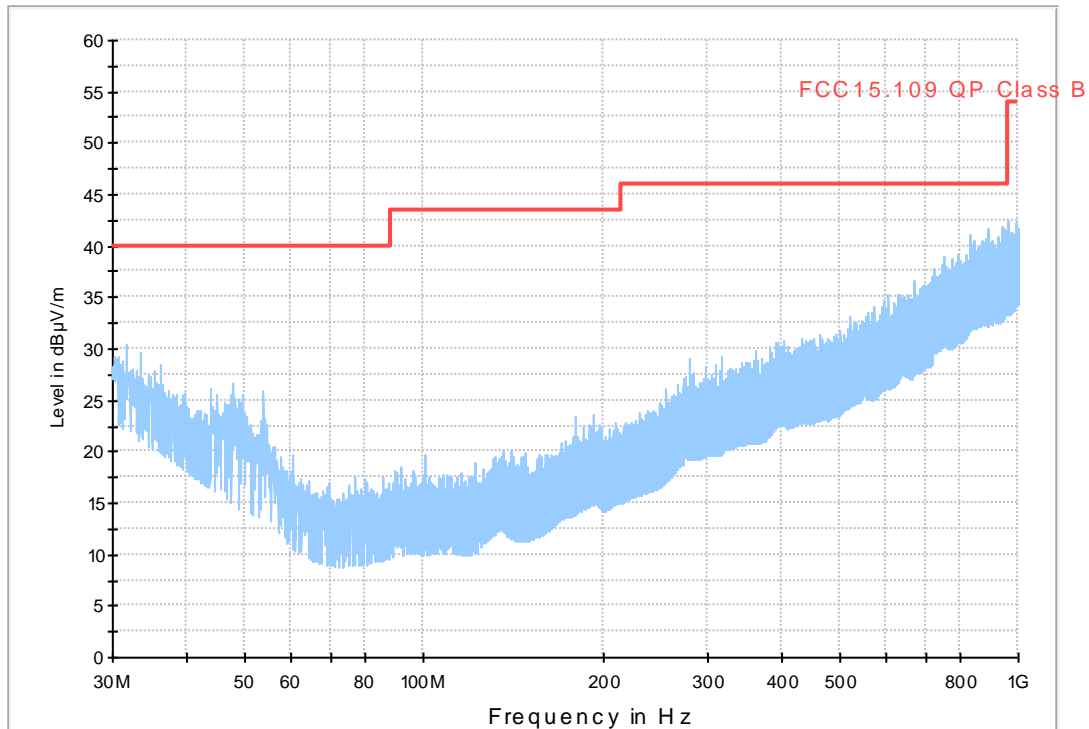
#### Diagram No. 3.13\_WLAN\_Ch6\_RX

Test description:	Date: 20.03.2014 Page 1 of 1
Test site and distance:	Electric Fieldstrength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3m measurement distance
Distance correction:	8.51.0
Technical Data:	not used
Used filter:	Please see page 2 for detailed data of measurement setup
Test specification:	not used
	FCC15.109, class B; RSS-Gen.: Issue 3
Operator:	dpa
Operating conditions:	WLAN 2,4GHz, Ch6, RX
Measured sides of EUT:	front, right, rear, left
Power during tests:	120V/60Hz, full loaded batteries
Comment 1:	

#### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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:	-

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## 2.2. Frequency range $f > 1\text{GHz}$

### 4.04\_WLAN\_Ch6\_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:	WLAN Ch6 Rx Mode
Equipment Class:	Class B
Environmental Conditions:	Humidity: 34%rH; Temperature: 23°C
Operator:	KTa

#### EUT Information

Manufacturer:	Sony
FCC 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:	CB5126DQ9V
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:	-

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