Annex 4: Measurement diagrams
to TEST REPORT
No.: 2-20823287t/13

According to:
FCC Regulations
Part15.225

for

Sony Mobile Communications

Smart Phone
(RFID)

FCC-ID: PY7PM-0750

Laboratory Accreditation and Listings			
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	Reg. No.: 736496 MRA US-EU 0003	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	CTIA Authorized Test Lab LAB CODE 20011130-00		
accredited according to DIN EN ISO/IEC 17025			

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Table of contents

1. FIELD STRENGTH OF EMISSIONS WITHIN-BAND OPERATIONAL BAND.....3

2. FIELD STRENGTH OF EMISSIONS OUTSIDE OPERATIONAL BAND.....4

3. FIELD STRENGTH OF EMISSIONS 30MHZ<F<1GHZ.....5

4. FREQUENCY ERROR DUE VOLTAGE AND TEMPERATURE VARIATIONS.....6

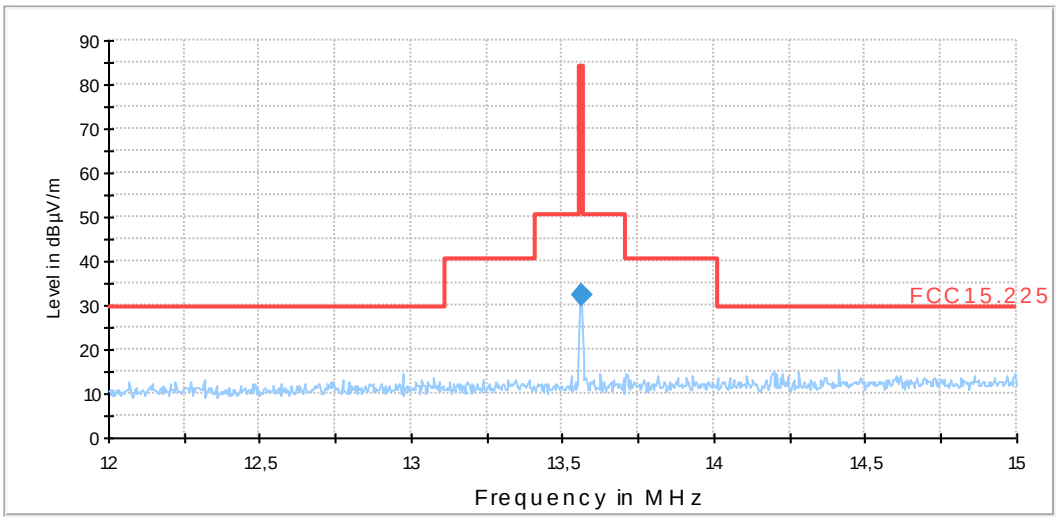
1. Field strength of emissions within-band operational band

Diagram No. 2.01_RFID

Date: 20.03.2014 Page 1 of 1

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
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.225
Operator:	dpa
Operating conditions:	TX-on continuous, RFID Mode
Power during tests:	120V 60Hz, battery fully charged
Comment 1:	with Tag

FCC15.209_magn hor+vert_In_Band_13.56MHz



Final Result 1

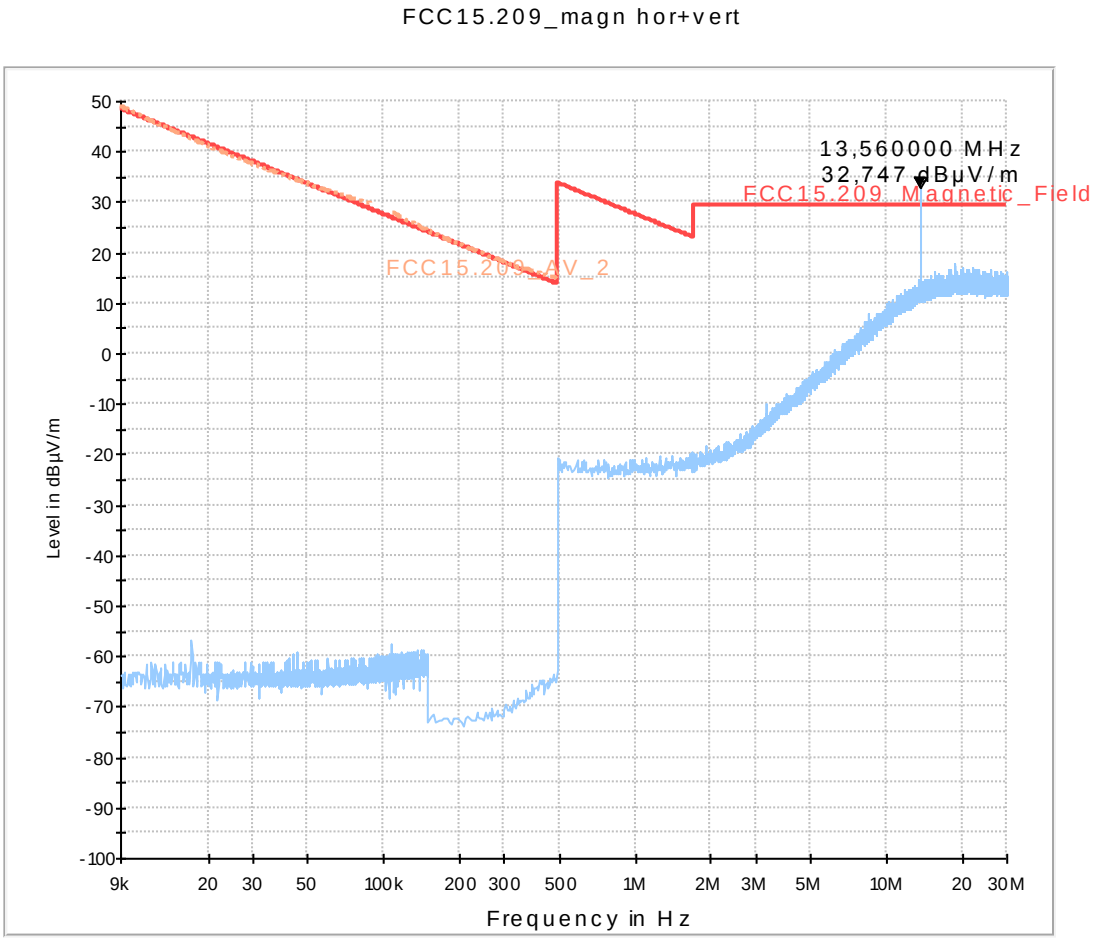
Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
13.561000	32.4	1000.0	10.000	H	224.0	0.4	51.60	84.00

2. Field strength of emissions outside operational band

Diagram No. 2.02_RFID

Date: 20.03.2014 Page 1 of 1

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 Test software:	8.51.0
Distance correction:	used accord. table, pls. see test report
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:	dpa
Operating conditions:	TX-continuous, RFID Mode
Power during tests:	120V 60Hz, battery fully charged
Comment 1:	with Tag



Remark: Carrier on 13.56 MHz visible

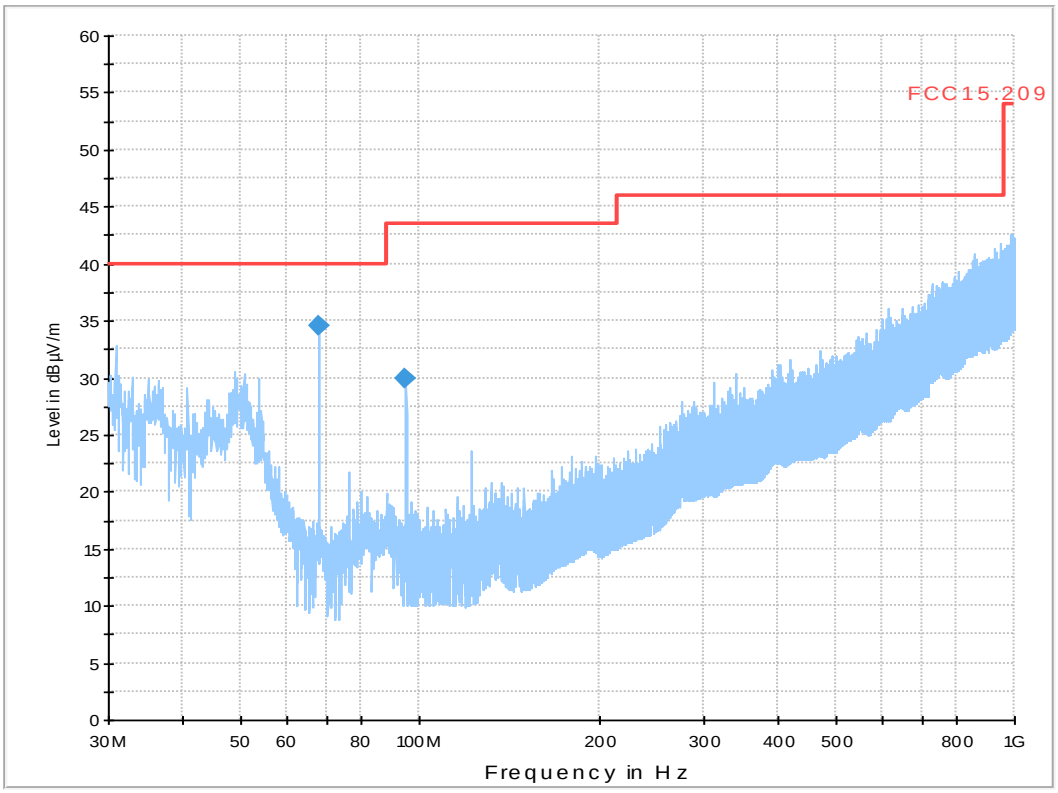
3. Field strength of emissions 30MHz<f<1GHz

Diagram No. 3.01_RFID

20.03.2014 Page 1 of 2

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Test software:	8.51.0
Distance correction:	not used
Used filter:	not used
Test specification.:	FCC 15.225&15.209; RSS-Gen: Issue 3
Operator:	dpa
Operating conditions:	TX-on continuous, RFID-Mode
Power during tests:	AC 120V/60Hz
Comment 1:	with Tag

01_FCC15.209_hor+vert_kipp



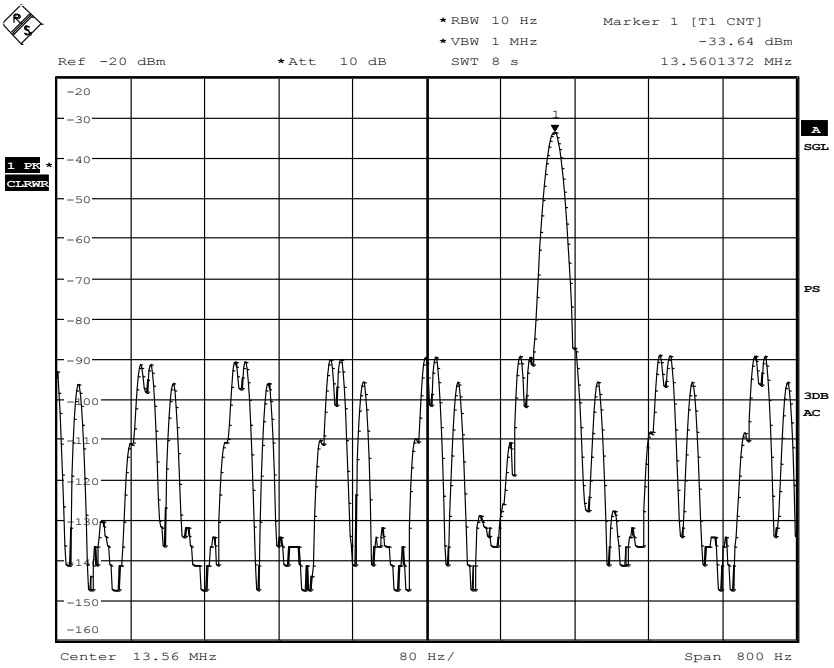
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin - QPK (dB)
67.800000	34.6	1000.0	120.000	208.0	V	345.0	90.0	8.2	5.40
94.920000	30.0	1000.0	120.000	105.0	V	55.0	0.0	8.8	13.50

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

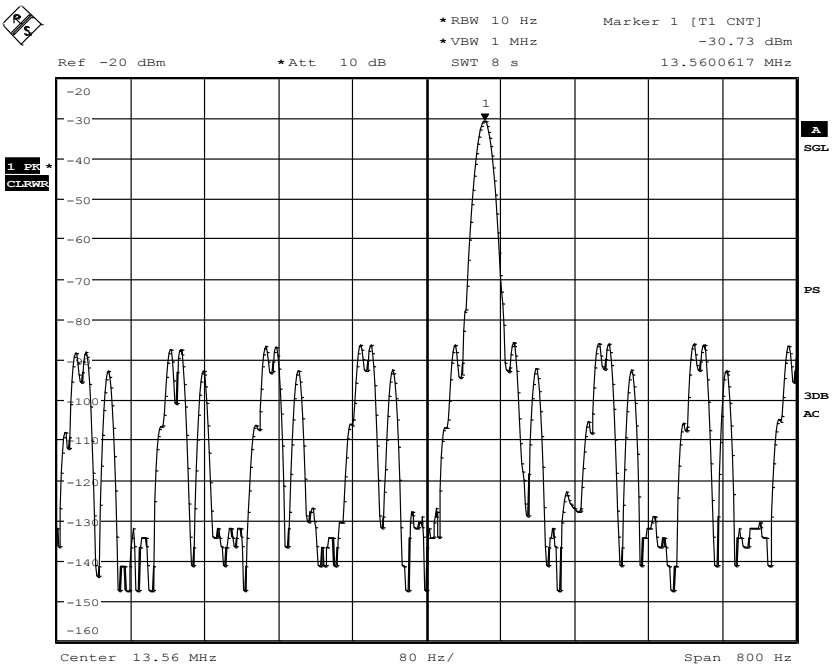
Frequency (MHz)	Limit - QPK (dBµV/m
67.800000	40.00
94.920000	43.50

4. Frequency Error due voltage and temperature variations



Date: 25.MAR.2014 10:50:50

Reference frequency at nominal conditions, Fc=13.5601372 MHz



Date: 25.MAR.2014 13:58:21

Maximum recorded deviation at T=+55°C, Vnom=3.7V