



FCC/IC RF Test Report

APPLICANT : Sony Mobile Communications Inc.
EQUIPMENT : Smart phone
BRAND NAME : SONY
TYPE NAME : PM-0381-BV
FCC ID : PY7PM-0381
IC : 4170B-PM0381
STANDARD : FCC 47 CFR Part 2, 22(H), 24(E)
IC RSS-132 issue 3 and RSS-133 issue 6
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

This is a partial report which is included the RF conducted power and field strength of spurious radiation measurement tests.

The product was received on Apr. 23, 2014 and testing was completed on May 27, 2014. We, SPORTON INTERNATIONAL Inc., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI / TIA / EIA-603-C-2004 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	§2.1053 §22.917(a) §24.238(a)	RSS-132 (5.5) RSS-133 (6.5)	Field Strength of Spurious Radiation	$< 43+10\log_{10}(P[\text{Watts}])$	PASS	Under limit 26.80 dB at 7405.000 MHz



1 General Description

1.1 Applicant

Sony Mobile Communications Inc.
Nya Vattentorget, 22188 Lund, Sweden

1.2 Manufacturer

Arima Communication Corp.
6F, No. 866, Jhongjheng Rd., Jhonghe Dist., New Taipei City 23586, Taiwan

1.3 Product Feature of Equipment Under Test

The Equipment Under Test (hereafter called: EUT) is Smart phone supporting, GSM / WCDMA / Wi-Fi 2.4GHz 802.11b/g/n, Bluetooth with FM Receiver, GPS, and NFC features, and below is details of information.

Product Feature	
Equipment	Smart phone
Brand Name	SONY
Type Name	PM-0381-BV
FCC ID	PY7PM-0381
IC	4170B-PM0381
GSM Operating Band(s)	GSM 850/900/1800/1900MHz
GPRS / EGPRS Multi Slot Class	GPRS Class 33 , EGPRS Class 33
WCDMA Operating Band(s)	FDD Band I / II / V / VIII
WCDMA Rel. Version	Rel. 8
Wi-Fi Specification	802.11b/g/n (HT20)
Bluetooth Version	v3.0 + EDR / v4.0 - LE
NFC Specification	ISO14443A / ISO14443B / Felica
Power Supply	Battery / AC Adapter / Car Charger
EUT Stage	Production Unit

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Transmitter Frequency Range	GSM850: 824.2 MHz ~ 848.8 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz
Receiver Frequency Range	GSM850: 869.2 MHz ~ 893.8 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz
Antenna Type	PIFA Antenna
Antenna Gain	1.56dBi
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE: GMSK / 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink)

Below EUT sample and accessory are used to test.

EUT Information List				
IMEI	HW Version	SW Version	S/N	Performed Test Item
IMEI : 004402147624807	A	18.4.A.0.7	MQ4408D24317	Radiated Spurious Emission
IMEI : 004402147624807			MQ4408D24317	RF Conducted Measurement

Accessory List	
AC Adapter	Model No. : EP800
	Type No. : CAA-0002016-US B
	S/N : 3113W45408567
Battery	Model No. : LIS1551ERPC
Earphone	Model No. : MH410c
	Type No. : AG-1100
	S/N : 46844E580076508
USB Cable	Model No. : EC 450
	Type No. : AI-0700
	S/N : 134912D2000799C

1.5 Modification of EUT

No modifications are made to the EUT during all test items.



1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	IC Registration No.
	03CH07-HY	4086B-1



1.7 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC 47 CFR Part 2, 22(H), 24(E)
- ♦ ANSI / TIA / EIA-603-C-2004
- ♦ IC RSS-132 Issue 3
- ♦ IC RSS-133 Issue 6
- ♦ IC RSS-Gen Issue 3
- ♦ NOTICE 2012-DRS0126

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. Per the section 2.2.3 of Notice of 2012-DRS0126, “ Receivers Excluded from Industry Canada Requirements”, only radiocommunication receivers operating in stand-alone mode within the band 30-960 MHz and scanner receivers are subject to Industry Canada requirements.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems v02r01 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Radiated emissions were investigated as following frequency range:

1. 30 MHz to 9000 MHz for GSM850
2. 30 MHz to 19000 MHz for WCDMA Band II

Test Modes	
Band	Radiated TCs
GSM 850	■ GSM Link
WCDMA Band II	■ RMC 12.2Kbps Link

Note: The maximum power levels are chosen to test as the worst case configuration as follows:

- GSM multi-slot class 8 mode for GMSK modulation,
- RMC 12.2Kbps mode for WCDMA band V,



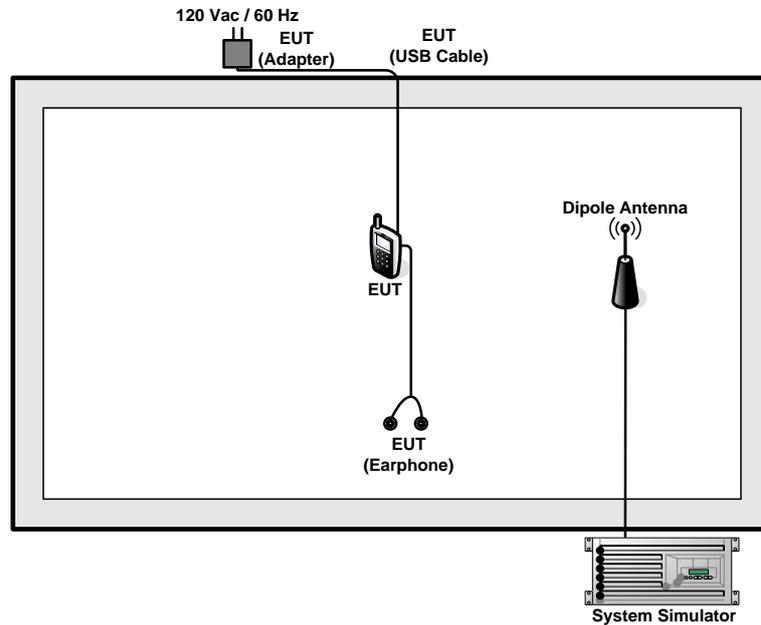
Conducted Power Measurement Results:

Conducted Power		Burst Average Power (dBm)		
Band		GSM850		
Channel		128	189	251
Frequency (MHz)		824.2	836.4	848.8
GSM		32.24	32.14	32.03
GPRS Class 8		32.20	32.12	31.95
GPRS Class 10		30.97	30.90	30.73
GPRS Class 11		28.96	28.87	28.59
GPRS Class 33		27.98	27.89	27.83
EGPRS Class 8		27.07	26.98	26.83
EGPRS Class 10		25.43	25.30	25.12
EGPRS Class 11		23.50	23.30	23.17
EGPRS Class 33		22.49	22.40	22.31
DTM 5	GSM (GMSK, 1 Tx slot)	30.97	30.89	30.85
	GPRS (GMSK, 1 Tx slot)	30.88	30.82	30.78
DTM 9	GSM (GMSK, 1 Tx slot)	30.92	30.85	30.81
	GPRS (GMSK, 1 Tx slot)	30.86	30.78	30.74
DTM 11	GSM (GMSK, 1 Tx slot)	28.92	28.85	28.62
	GPRS (GMSK, 2 Tx slots)	28.88	28.82	28.54
DTM 5	GSM (GMSK, 1 Tx slot)	30.88	30.82	30.70
	EDGE (8PSK, 1 Tx slot)	25.49	25.41	25.38
DTM 9	GSM (GMSK, 1 Tx slot)	30.86	30.78	30.69
	EDGE (8PSK, 1 Tx slot)	25.46	25.39	25.32
DTM 11	GSM (GMSK, 1 Tx slot)	28.61	28.54	28.43
	EDGE (8PSK, 2 Tx slots)	23.48	23.29	23.15



Conducted Power	Burst Average Power (dBm)		
Band	WCDMA Band II		
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880.0	1907.6
RMC 12.2K	23.41	23.46	23.20
HSDPA Subtest-1	22.48	22.53	22.14
HSDPA Subtest-2	22.42	22.51	22.10
HSDPA Subtest-3	21.96	22.03	22.42
HSDPA Subtest-4	21.90	21.98	22.40
HSUPA Subtest-1	21.65	21.74	21.56
HSUPA Subtest-2	20.95	21.05	20.74
HSUPA Subtest-3	21.02	21.22	20.95
HSUPA Subtest-4	21.37	21.48	21.28
HSUPA Subtest-5	22.33	22.36	22.10

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

The following shows an offset computation example with RF cable loss 4.2 dB and a 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)} \end{aligned}$$



3 Test Result

3.1 Field Strength of Spurious Radiation Measurement

3.1.1 Description of Field Strength of Spurious Radiated Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.1.2 Measuring Instruments

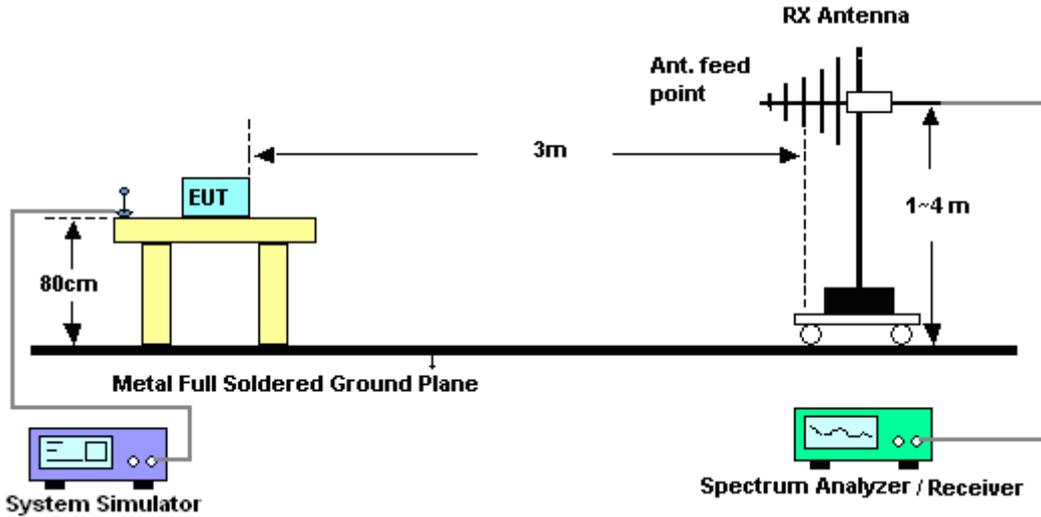
The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

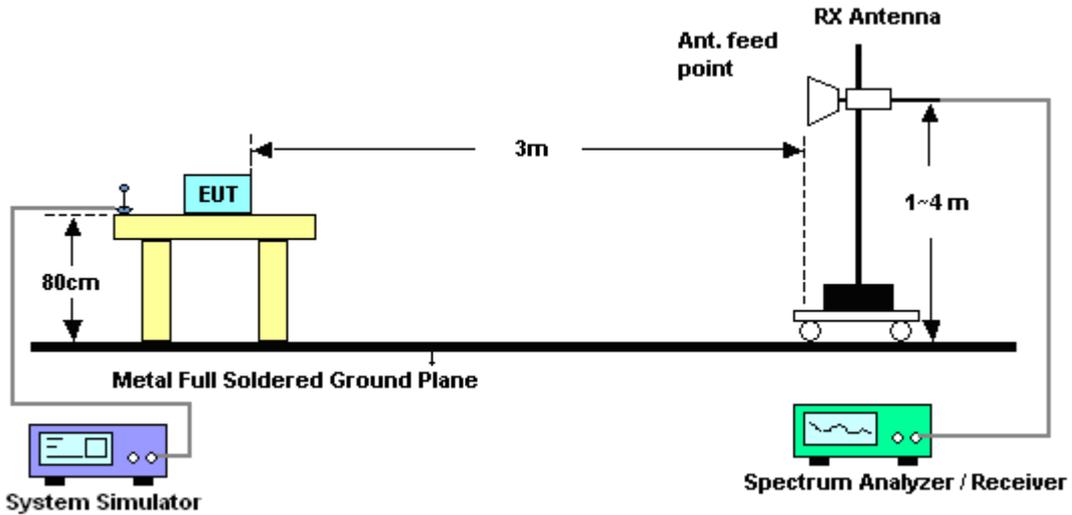
1. The EUT was placed on a rotatable wooden table 0.8 meters above the ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search for the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

3.1.4 Test Setup

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





3.1.5 Test Result of Field Strength of Spurious Radiated

<Low Channel>

Band :	GSM850			Temperature :	23~24°C				
Test Mode :	GSM Link (GMSK)			Relative Humidity :	42~43%				
Test Engineer :	Kai Wang			Polarization :	Horizontal				
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-51.80	-13	-38.80	-58.5	-53.65	1.53	5.53	H	Pass
2472	-42.33	-13	-29.33	-53.51	-44.27	2.06	6.15	H	Pass
3296	-55.16	-13	-42.16	-67.48	-58.46	2.48	7.93	H	Pass

Band :	GSM850			Temperature :	23~24°C				
Test Mode :	GSM Link (GMSK)			Relative Humidity :	42~43%				
Test Engineer :	Kai Wang			Polarization :	Vertical				
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-52.89	-13	-39.89	-61.68	-54.74	1.53	5.53	V	Pass
2472	-43.42	-13	-30.42	-55.56	-45.36	2.06	6.15	V	Pass
3296	-54.54	-13	-41.54	-68.08	-57.84	2.48	7.93	V	Pass



<Middle Channel>

Band :	GSM850				Temperature :	23~24°C				
Test Mode :	GSM Link (GMSK)				Relative Humidity :	42~43%				
Test Engineer :	Kai Wang				Polarization :	Horizontal				
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.									
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result	
1672	-51.62	-13	-38.62	-58.17	-53.34	1.62	5.49	H	Pass	
2512	-42.79	-13	-29.79	-53.7	-44.76	2.1	6.22	H	Pass	
3344	-55.28	-13	-42.28	-68.01	-58.17	3.03	8.07	H	Pass	

Band :	GSM850				Temperature :	23~24°C				
Test Mode :	GSM Link (GMSK)				Relative Humidity :	42~43%				
Test Engineer :	Kai Wang				Polarization :	Vertical				
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.									
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result	
1672	-51.88	-13	-38.88	-60.7	-53.6	1.62	5.49	V	Pass	
2512	-44.55	-13	-31.55	-56.73	-46.52	2.1	6.22	V	Pass	
3344	-54.86	-13	-41.86	-68.25	-57.75	3.03	8.07	V	Pass	



<High Channel>

Band :	GSM850	Temperature :	23~24°C						
Test Mode :	GSM Link (GMSK)	Relative Humidity :	42~43%						
Test Engineer :	Kai Wang	Polarization :	Horizontal						
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-50.78	-13	-37.78	-57.54	-52.51	1.57	5.45	H	Pass
2544	-42.53	-13	-29.53	-53.41	-44.64	2.02	6.28	H	Pass
3392	-56.11	-13	-43.11	-67.58	-59.86	2.3	8.20	H	Pass

Band :	GSM850	Temperature :	23~24°C						
Test Mode :	GSM Link (GMSK)	Relative Humidity :	42~43%						
Test Engineer :	Kai Wang	Polarization :	Vertical						
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-49.02	-13	-36.02	-58.2	-50.75	1.57	5.45	V	Pass
2544	-47.28	-13	-34.28	-59.04	-49.39	2.02	6.28	V	Pass
3392	-54.67	-13	-41.67	-67.69	-58.42	2.3	8.20	V	Pass



<Low Channel>

Band :	WCDMA Band II				Temperature :	23~24°C			
Test Mode :	RMC 12.2Kbps Link				Relative Humidity :	42~43%			
Test Engineer :	Kai Wang				Polarization :	Horizontal			
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-52.21	-13	-39.21	-68.06	-58.36	2.59	8.74	H	Pass
5553	-48.09	-13	-35.09	-69.15	-55.75	3.04	10.70	H	Pass
7405	-39.80	-13	-26.80	-67.34	-48.54	3.28	12.02	H	Pass

Band :	WCDMA Band II				Temperature :	23~24°C			
Test Mode :	RMC 12.2Kbps Link				Relative Humidity :	42~43%			
Test Engineer :	Kai Wang				Polarization :	Vertical			
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-48.46	-13	-35.46	-64.3	-54.61	2.59	8.74	V	Pass
5553	-49.16	-13	-36.16	-69.44	-56.82	3.04	10.70	V	Pass
7405	-41.31	-13	-28.31	-68.94	-50.05	3.28	12.02	V	Pass



<Middle Channel>

Band :	WCDMA Band II		Temperature :	23~24°C					
Test Mode :	RMC 12.2Kbps Link		Relative Humidity :	42~43%					
Test Engineer :	Kai Wang		Polarization :	Horizontal					
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-51.90	-13	-38.90	-67.2	-58.2	2.51	8.81	H	Pass
5636	-48.90	-13	-35.90	-69.19	-56.61	2.99	10.70	H	Pass
7520	-42.63	-13	-29.63	-70	-51.16	3.59	12.12	H	Pass

Band :	WCDMA Band II		Temperature :	23~24°C					
Test Mode :	RMC 12.2Kbps Link		Relative Humidity :	42~43%					
Test Engineer :	Kai Wang		Polarization :	Vertical					
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3760	-49.16	-13	-36.16	-66.2	-55.46	2.51	8.81	V	Pass
5636	-48.84	-13	-35.84	-69.07	-56.55	2.99	10.70	V	Pass
7520	-42.74	-13	-29.74	-69.96	-51.27	3.59	12.12	V	Pass



<High Channel>

Band :	WCDMA Band II	Temperature :	23~24°C						
Test Mode :	RMC 12.2Kbps Link	Relative Humidity :	42~43%						
Test Engineer :	Kai Wang	Polarization :	Horizontal						
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3817	-52.95	-13	-39.95	-68.33	-59.36	2.47	8.88	H	Pass
5726	-47.11	-13	-34.11	-68.83	-54.81	3	10.70	H	Pass
7635	-43.28	-13	-30.28	-69.55	-52.06	3.43	12.21	H	Pass

Band :	WCDMA Band II	Temperature :	23~24°C						
Test Mode :	RMC 12.2Kbps Link	Relative Humidity :	42~43%						
Test Engineer :	Kai Wang	Polarization :	Vertical						
Remark :	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3817	-51.01	-13	-38.01	-67.7	-57.42	2.47	8.88	V	Pass
5726	-48.59	-13	-35.59	-69.5	-56.29	3	10.70	V	Pass
7635	-42.76	-13	-29.76	-68.53	-51.54	3.43	12.21	V	Pass



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Oct. 10, 2013	May 27, 2014	Oct. 09, 2014	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	75962	1GHz~18GHz	Aug. 22, 2013	May 27, 2014	Aug. 21, 2014	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBEC K	BBHA 9170	BBHA91702 51	15GHz- 40GHz	Oct. 03, 2013	May 27, 2014	Oct. 02, 2014	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	30MHz~1GHz	Mar. 17, 2014	May 27, 2014	Mar. 16, 2015	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A0236 2	1GHz~26.5GHz	Nov. 29, 2013	May 27, 2014	Nov. 28, 2014	Radiation (03CH07-HY)
Filter	Microwave Circuits	H1G013G1	SN477215	1GHz HPF	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Filter	Wainwright Instruments	WHKX1.5G/15G-10SS	SN32	1.5GHz HPF	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Filter	Wainwright Instruments	WLKS1200-8SS	SN3	1.2GHz LPF	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Filter	Wainwright Instruments	WHKX2.0/18G-10SS	SN12	2GHz HPF	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Filter	Microwave Circuits	H3G018G1	SN477220	3GHz HPF	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Notch Filter	Wainwright	WRCT 1800/2000-	SN1	GSM 1900	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Notch Filter	Wainwright	WRCG 824/849/81	SN35	GSM850 / WCDMA 850	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
HF RF Cable	HUBER SUHNER	SUCOFLEX 104	38411/6	1GHz ~ 18GHz	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
LF RF Cable	Warison+HUBER SUHNER	WCBA-WC 04NM.NM2	N/A	30MHz ~ 1GHz	Nov. 28, 2013	May 27, 2014	Nov. 27, 2014	Radiation (03CH07-HY)
Turn Table	ChainTek	ChainTek 3000	N/A	0 ~ 360 degree	N/A	May 27, 2014	N/A	Radiation (03CH07-HY)
Antenna Mast	ChainTek	M-400-0	114/800060 4/L	N/A	N/A	May 27, 2014	N/A	Radiation (03CH07-HY)
Test Software	Audix	E3	Version 6.2009-08-2	N/A	N/A	May 27, 2014	N/A	Radiation (03CH07-HY)
Hygrometer	Testo	608-H1	34897197	N/A	May 06, 2014	May 27, 2014	May 05, 2015	Radiation (03CH07-HY)

Note: Test equipment calibration is traceable to the procedure of ISO17025.



5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.50
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