



FCC RF Test Report

APPLICANT : Sony Mobile Communications Inc.
EQUIPMENT : GSM/WCDMA/LTE Phone + Bluetooth, DTS/UNII
a/b/g/n/ac, ANT+, and NFC
BRAND NAME : Sony
FCC ID : PY7-PM0882
STANDARD : FCC 47 CFR Part 2, 22(H), 24(E)
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Jul. 16, 2015 and testing was completed on Aug. 16, 2015. 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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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG571619A	Rev. 01	Initial issue of report	Sep. 03, 2015



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
3.5	§24.232(d)	Peak-to-Average Ratio	< 13 dB	PASS	-
3.6	§2.1049 §22.917(b) §24.238(b)	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §24.238(a)	Band Edge Measurement	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a)	Conducted Emission	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability for Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235		Within Authorized Band		
4.4	§22.913(a)(2)	Effective Radiated Power	< 7 Watts	PASS	-
	§24.232(c)	Equivalent Isotropic Radiated Power	< 2 Watts	PASS	-
4.5	§2.1053 §22.917(a) §24.238(a)	Field Strength of Spurious Radiation	< 43+10log10(P[Watts])	PASS	Under limit 36.72 dB at 7639.000 MHz

1 General Description

1.1 Applicant

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

1.2 Manufacturer

Sony Mobile Communications Inc.
1-8-15 Konan, Minato-ku, Tokyo, 108-0075, Japan

1.3 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, DTS/UNII a/b/g/n/ac, ANT+, NFC and GPS

Product Specification subjective to this standard	
Antenna Type	Monopole Antenna

EUT Information List				
IMEI	HW Version	SW Version	S/N	Performed Test Item
004402541698837	A	32.0.B.0.175	YT9115V7HA	RF conducted measurement
004402541695486			YT9115V8BC	Radiated Spurious Emission ERP/EIRP Test

Accessory List	
AC Adapter	Model No. : UCH20
	Type No. : AC-0061-US
	S/N : 2115W15500021
Earphone	Model No. : MDR-NC31E
	Type No. : AG-1110
USB Cable	Model No. : UCB11
	Type No. : AI-0120
	S/N : 1522A731000010A

Note:

1. Above EUT list and accessory list used are electrically identical per declared by manufacturer.
2. Above the accessories list are used to exercise the EUT during test.
3. For other wireless features of this EUT, test report will be issued separately.

1.4 Modification of EUT

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

1.5 Maximum ERP/EIRP Power, Frequency Tolerance, and Emission Designator

FCC Rule	System	Type of Modulation	Maximum ERP/EIRP (W)	Frequency Tolerance (ppm)	Emission Designator
Part 22	GSM850 GPRS class 8	GMSK	0.6683	0.0084 ppm	247KGXW
Part 22	GSM850 EDGE class 8	8PSK	0.2270	0.0096 ppm	248KG7W
Part 22	WCDMA Band V RMC 12.2Kbps	QPSK	0.0820	0.0143 ppm	4M15F9W
Part 24	GSM1900 GPRS class 8	GMSK	1.2972	0.0122 ppm	246KGXW
Part 24	GSM1900 EDGE class 8	8PSK	0.4753	0.0154 ppm	245KG7W

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 District, Tao Yuan City, Taiwan, R.O.C. TEL: +886-3-327-3456 FAX: +886-3-328-4978	
Test Site No.	Sporton Site No.	
	TH03-HY	03CH07-HY



1.7 Applicable Standards

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

- ♦ 47 CFR Part 2, 22(H), 24(E)
- ♦ ANSI / TIA / EIA-603-C-2004
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v02r02

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

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 v02r02 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:

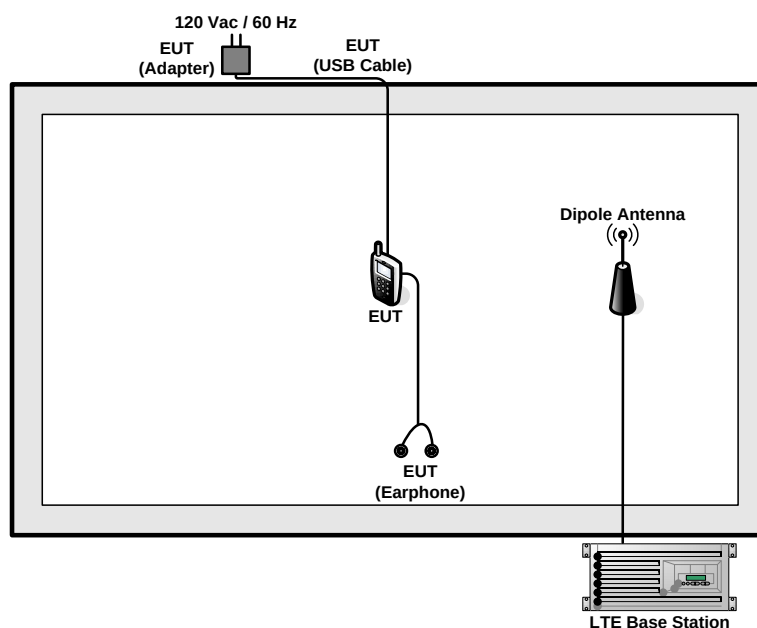
1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V.
2. 30 MHz to 19000 MHz for GSM1900.

All modes and data rates and positions were investigated.

Test modes are chosen to be reported as the worst case configuration below:

Test Modes		
Band	Radiated TCs	Conducted TCs
GSM 850	■ GPRS class 8 Link	■ GPRS class 8 Link
	■ EDGE class 8 Link	■ EDGE class 8 Link
GSM 1900	■ GPRS class 8 Link	■ GPRS class 8 Link
	■ EDGE class 8 Link	■ EDGE class 8 Link
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

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 :

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

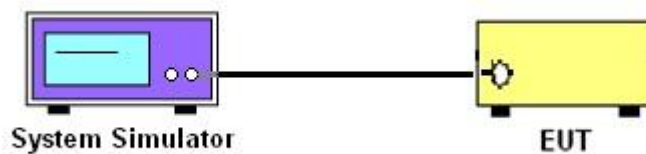
3 Conducted Test Result

3.1 Measuring Instruments

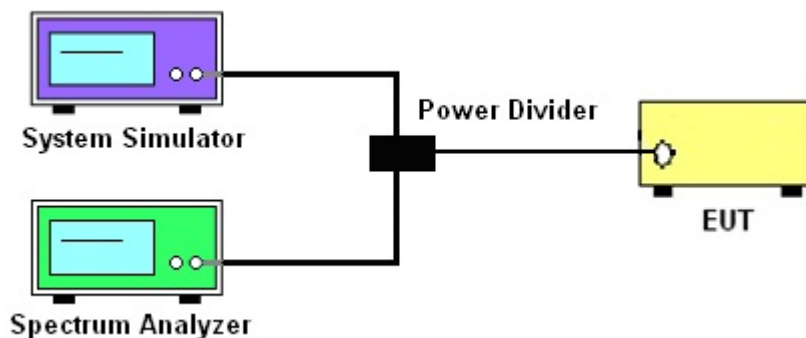
See list of measuring instruments of this test report.

3.2 Test Setup

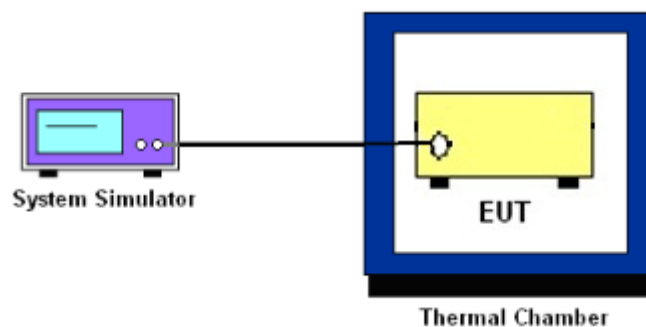
3.2.1 Conducted Output Power



3.2.2 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission



3.2.3 Frequency Stability



3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power

3.4.1 Description of the Conducted Output Power

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.4.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 5.7.1.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. Set EUT to transmit at maximum output power.
4. When the duty cycle is less than 98%, then signal gating will be implemented on the spectrum analyzer by triggering from the system simulator.
5. Set the CCDF (Complementary Cumulative Distribution Function) option of the spectrum analyzer.

Record the maximum PAPR level associated with a probability of 0.1%.



3.6 99% Occupied Bandwidth and 26dB Bandwidth Measurement

3.6.1 Description of 99% Occupied Bandwidth and 26dB Bandwidth Measurement

The 99% occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The emission bandwidth is defined as the width of the signal between two points, located at the two sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

3.6.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 4.2.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of the EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The 99% occupied bandwidth were measured, set RBW= 1% of span, VBW= 3*RBW, sample detector, trace maximum hold.
5. The 26dB bandwidth were measured, set RBW= 1% of EBW, VBW= 3*RBW, peak detector, trace maximum hold.



3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

3.7.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 6.0.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator.
The path loss was compensated to the results for each measurement.
4. The band edges of low and high channels for the highest RF powers were measured.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13\text{dBm}$.

3.8 Conducted Spurious Emission

3.8.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 6.0.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13\text{dBm}$.

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows FCC KDB 971168 D01 v02r02 Section 9.0.
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows FCC KDB 971168 D01 v02r02 Section 9.0.
2. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
4. The variation in frequency was measured for the worst case.

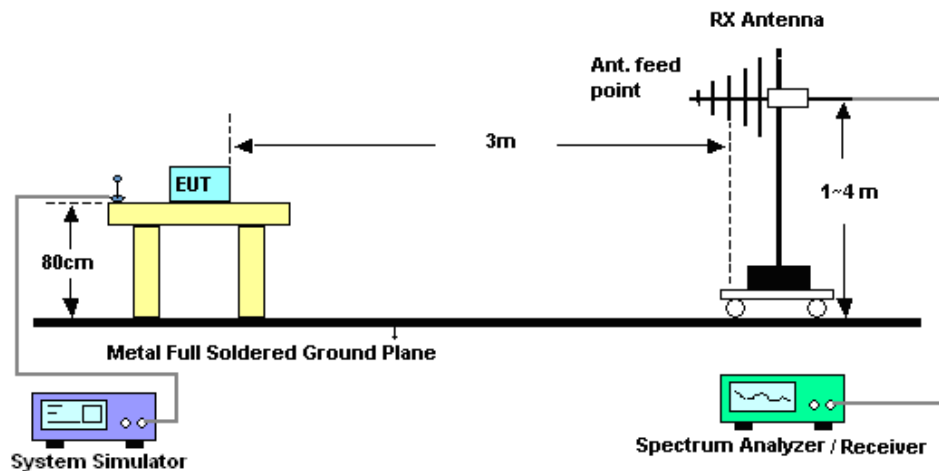
4 Radiated Test Items

4.1 Measuring Instruments

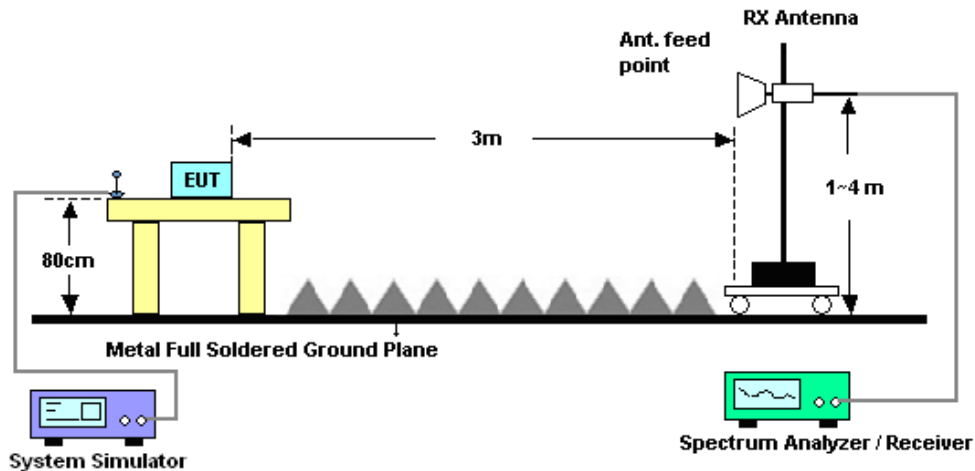
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated test from 30MHz to 1GHz



4.2.2 For radiated test above 1GHz



4.3 Test Result of Radiated Test

Please refer to Appendix B.

4.4 Effective Radiated Power and Effective Isotropic Radiated Power Measurement

4.4.1 Description of the ERP/EIRP Measurement

The substitution method, in ANSI / TIA / EIA-603-C-2004, was used for ERP/EIRP measurement, and the spectrum analyzer configuration follows KDB 971168 D01 Power Meas. License Digital Systems v02r02. The ERP of mobile transmitters must not exceed 7 Watts (Cellular Band) and the EIRP of mobile transmitters are limited to 2 Watts (PCS Band).

4.4.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 5.2.1. (for CDMA/WCDMA), Section 5.2.2.2 (for GSM/GPRS/EDGE) and ANSI / TIA-603-C-2004 Section 2.2.17.
2. The EUT was placed on a non-conductive rotating platform 0.8 meters high in a semi-anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with RMS detector per section 5. of KDB 971168 D01.
3. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power. The maximum emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
4. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-C. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP was calculated with the correction factor, $EIRP = LVL + \text{Correction factor}$ and $ERP = EIRP - 2.15$. Take the record of the output power at substitution antenna.

	GSM/GPRS/EDGE	WCDMA/HSPA
SPAN	500kHz	10MHz
RBW	10kHz	100kHz
VBW	30kHz	300kHz
Detector	RMS	RMS
Trace	Average	Average
Average Type	Power	Power
Sweep Count	100	100

4.5 Field Strength of Spurious Radiation Measurement

4.5.1 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.

4.5.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 5.8 and ANSI / TIA-603-C-2004 Section 2.2.12.
2. The EUT was placed on a rotatable wooden table 0.8 meters above the ground.
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. 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.
6. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking record of maximum spurious emission.
7. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
8. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
9. Taking the record of output power at antenna port.
10. Repeat step 7 to step 8 for another polarization.
11. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
12. $ERP \text{ (dBm)} = EIRP - 2.15$
13. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
14. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Jun. 24, 2015	Aug. 12, 2015	Jun. 23, 2016	Conducted (TH03-HY)
Base Station Measure)	Rohde & Schwarz	CMU200	117995	GSM / GPRS / WCDMA / CDMA	Jul. 26, 2015	Aug. 12, 2015	Jul. 25, 2016	Conducted (TH03-HY)
Hygrometer	Testo	608-H1	34893241	N/A	May 04, 2015	Aug. 12, 2015	May 03, 2016	Conduction (TH03-HY)
Temperature Chamber	ESPEC	SU-641	92013721	-30 ~70 degree	Dec. 01, 2014	Aug. 12, 2015	Nov. 30, 2015	Conducted (TH03-HY)
RF cable	WOKEN	S05	S05-130708-22	N/A	Jan. 21, 2015	Aug. 12, 2015	Jan. 20, 2016	Conducted (TH03-HY)
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Sep. 27, 2014	Aug. 16, 2015	Sep. 26, 2015	Radiation (03CH07-HY)
Double Ridge Horn Antenna	EMCO	3117	00066583	1GHz~18GHz	Jul. 20, 2015	Aug. 16, 2015	Jul. 19, 2016	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2014	Aug. 16, 2015	Aug. 29, 2015	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 03, 2014	Aug. 16, 2015	Nov. 02, 2015	Radiation (03CH07-HY)
Hygrometer	Testo	608-H1	34897197	N/A	May 06, 2014	Aug. 16, 2015	May 03, 2016	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz~1000MHz	Mar. 12, 2015	Aug. 16, 2015	Mar. 11, 2016	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 21, 2014	Aug. 16, 2015	Oct. 20, 2015	Radiation (03CH07-HY)
Signal Analyzer	Rohde & Schwarz	FSV 30	101749	10Hz~30GHz	Mar. 10, 2015	Aug. 16, 2015	Mar. 09, 2016	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Aug. 16, 2015	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF780208368	Control Ant Mast	N/A	Aug. 16, 2015	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Aug. 16, 2015	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 degree	N/A	Aug. 16, 2015	N/A	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	1GHz~40GHz	Dec. 04, 2014	Aug. 16, 2015	Dec. 03, 2015	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	9KHz~1GHz	Dec. 04, 2014	Aug. 16, 2015	Dec. 03, 2015	Radiation (03CH07-HY)
Filter	Wainwright	WLKS1200-8SS	SN3	1.2G Low Pass	Oct. 01, 2014	Aug. 16, 2015	Sep. 30, 2015	Radiation (03CH07-HY)
Filter	Wainwright	WHK1.5/15G-10SS	SN32	1.5G High Pass	Oct. 01, 2014	Aug. 16, 2015	Sep. 30, 2015	Radiation (03CH07-HY)
Filter	Microwave	H3G018G1	SN477220	3.0G High Pass	Oct. 01, 2014	Aug. 16, 2015	Sep. 30, 2015	Radiation (03CH07-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Notch Filter	Wainwright	WRCG824/84 9-40/8SS	SN35	CDMA 850	Oct. 01, 2014	Aug. 16, 2015	Sep. 30, 2015	Radiation (03CH07-HY)
Notch Filter	Wainwright	WRCT1850/1 910-40/8SS	SN21	1900	Oct. 01, 2014	Aug. 16, 2015	Sep. 30, 2015	Radiation (03CH07-HY)
Test Software	N/A	E3	6.2009-8-24	N/A	N/A	Aug. 16, 2015	N/A	Radiation (03CH07-HY)



6 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.8
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Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

Conducted Power (*Unit: dBm)						
Band	GSM850			GSM1900		
Channel	128	189	251	512	661	810
Frequency	824.2	836.4	848.8	1850.2	1880.0	1909.8
GSM	32.47	32.55	32.63	29.93	30.00	29.76
GPRS class 8	32.50	32.56	32.66	29.95	30.01	29.79
GPRS class 10	28.89	29.01	29.06	26.59	26.68	26.74
GPRS class 11	27.52	26.96	27.05	25.36	25.42	25.36
GPRS class 12	25.48	25.61	25.70	24.50	24.84	24.83
EGPRS class 8	26.68	26.73	26.80	25.96	26.07	26.07
EGPRS class 10	24.55	24.59	24.66	23.37	23.50	23.48
EGPRS class 11	23.41	23.52	23.59	22.01	22.12	22.09
EGPRS class 12	22.58	22.64	22.74	21.41	21.43	21.42

Conducted Power (*Unit: dBm)			
Band	WCDMA Band V		
Channel	4132	4182	4233
Frequency	826.4	836.4	846.6
RMC 12.2K	23.81	23.82	23.99
HSDPA Subtest-1	22.28	22.32	22.48
HSDPA Subtest-2	22.31	22.34	22.52
HSDPA Subtest-3	21.77	21.80	22.00
HSDPA Subtest-4	21.77	21.81	21.97
HSUPA Subtest-1	21.04	21.07	21.20
HSUPA Subtest-2	21.27	21.31	21.47
HSUPA Subtest-3	20.64	20.70	20.83
HSUPA Subtest-4	21.72	21.70	21.97
HSUPA Subtest-5	22.27	22.32	22.41



A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.32	3.32	PASS
Middle CH	0.28	3.24	
Highest CH	0.32	3.28	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.32	3.36	PASS
Middle CH	0.28	3.32	
Highest CH	0.32	3.32	



GSM850 (GPRS class 8)		GSM850 (EDGE class 8)	
Lowest Channel		Lowest Channel	
Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 824.2 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.55 dBm Peak 28.90 dBm Crest 0.35 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.32 dB Date: 12.AUG.2015 15:14:55		Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 824.2 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.16 dBm Peak 27.56 dBm Crest 3.41 dB 10 % 2.64 dB 1 % 3.20 dB .1 % 3.32 dB .01 % 3.36 dB Date: 12.AUG.2015 15:25:59	
Middle Channel		Middle Channel	
Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 835.4 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.98 dBm Peak 29.26 dBm Crest 0.28 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.28 dB .01 % 0.28 dB Date: 12.AUG.2015 15:15:07		Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 835.4 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.62 dBm Peak 27.99 dBm Crest 3.36 dB 10 % 2.60 dB 1 % 3.12 dB .1 % 3.24 dB .01 % 3.28 dB Date: 12.AUG.2015 15:26:12	
Highest Channel		Highest Channel	
Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 848.8 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.87 dBm Peak 29.18 dBm Crest 0.31 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.32 dB Date: 12.AUG.2015 15:15:19		Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 848.8 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.51 dBm Peak 27.84 dBm Crest 3.34 dB 10 % 2.56 dB 1 % 3.16 dB .1 % 3.28 dB .01 % 3.32 dB Date: 12.AUG.2015 15:26:25	

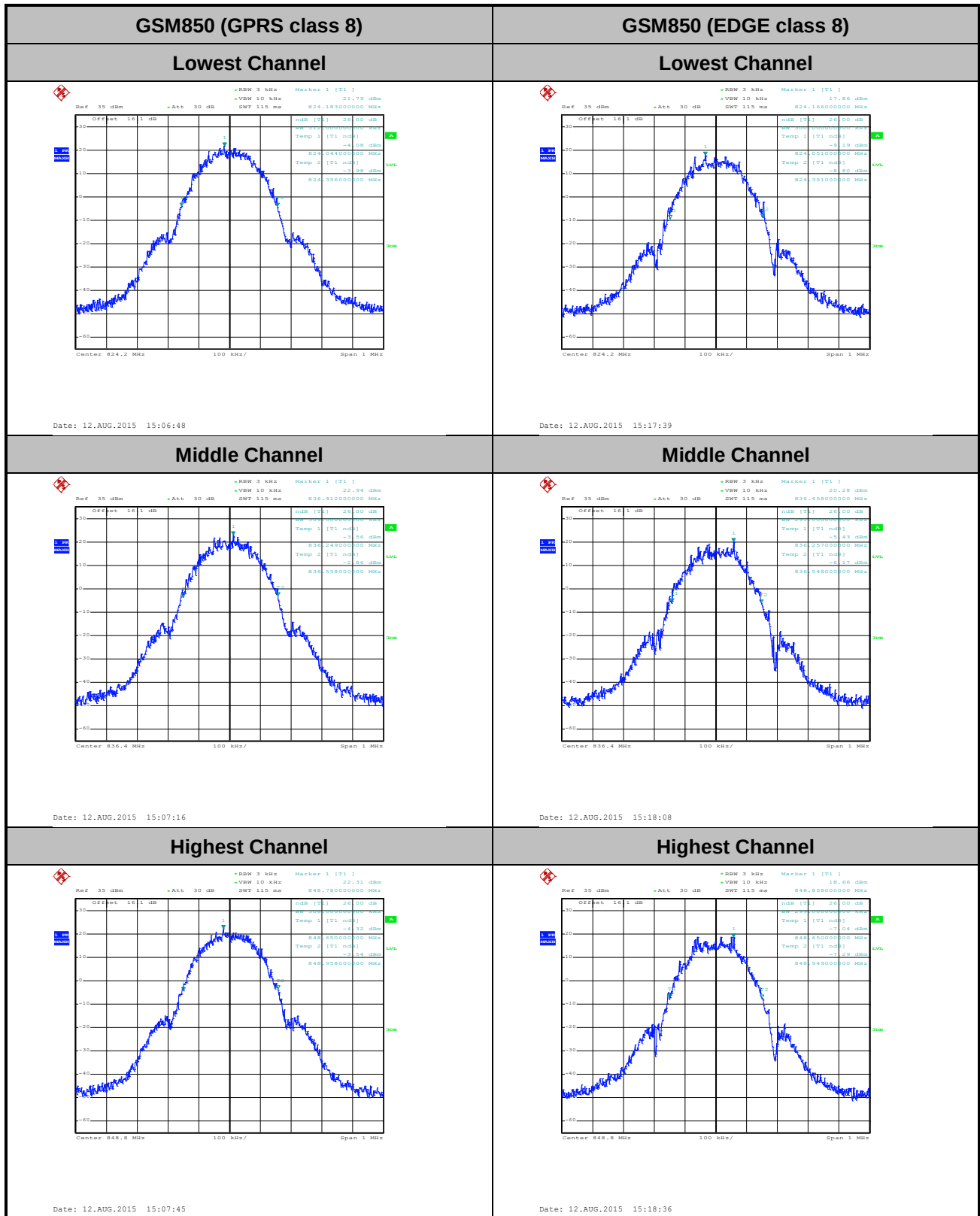


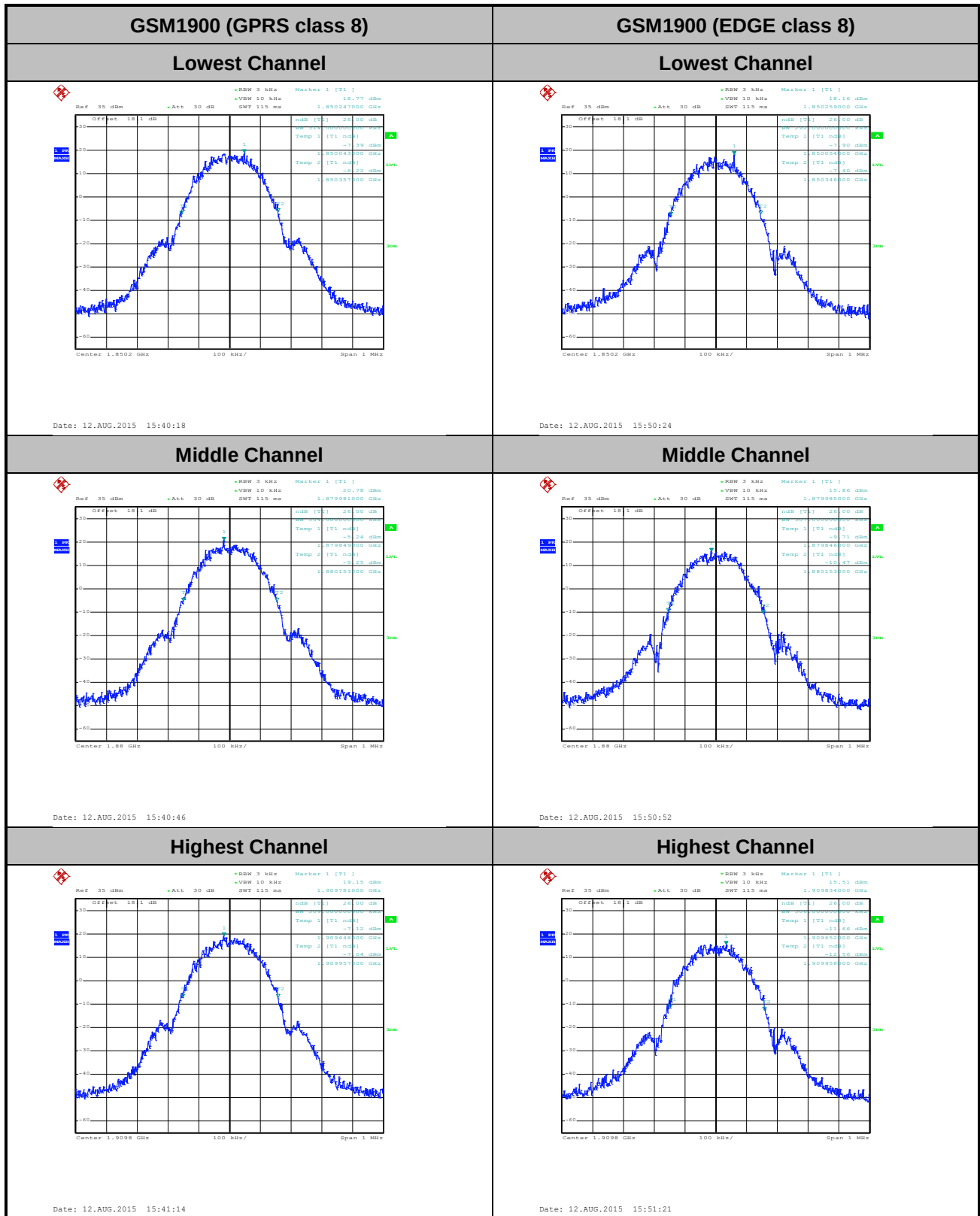
GSM1900 (GPRS class 8)		GSM1900 (EDGE class 8)	
Lowest Channel		Lowest Channel	
Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 1.8502 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.55 dBm Peak 26.93 dBm Crest 0.38 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.32 dB Date: 12.AUG.2015 15:48:07		Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 1.8502 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.33 dBm Peak 26.79 dBm Crest 3.46 dB 10 % 2.64 dB 1 % 3.28 dB .1 % 3.36 dB .01 % 3.44 dB Date: 12.AUG.2015 15:58:05	
Middle Channel		Middle Channel	
Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 1.85 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.52 dBm Peak 26.79 dBm Crest 0.27 dB 10 % 0.20 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.28 dB Date: 12.AUG.2015 15:48:18		Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 1.85 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.46 dBm Peak 26.86 dBm Crest 3.40 dB 10 % 2.68 dB 1 % 3.20 dB .1 % 3.32 dB .01 % 3.40 dB Date: 12.AUG.2015 15:58:18	
Highest Channel		Highest Channel	
Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 1.9098 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 26.40 dBm Peak 26.79 dBm Crest 0.38 dB 10 % 0.20 dB 1 % 0.28 dB .1 % 0.32 dB .01 % 0.36 dB Date: 12.AUG.2015 15:48:32		Ref: 35 dBm, Att: 30 dB, AGT: 3.125 ms, RSW: 10 MHz, Center: 1.9098 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.22 dBm Peak 26.64 dBm Crest 3.43 dB 10 % 2.64 dB 1 % 3.24 dB .1 % 3.32 dB .01 % 3.40 dB Date: 12.AUG.2015 15:58:31	

**26dB Bandwidth**

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.312	0.300
Middle CH	0.309	0.291
Highest CH	0.308	0.299

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.314	0.292
Middle CH	0.304	0.307
Highest CH	0.309	0.306

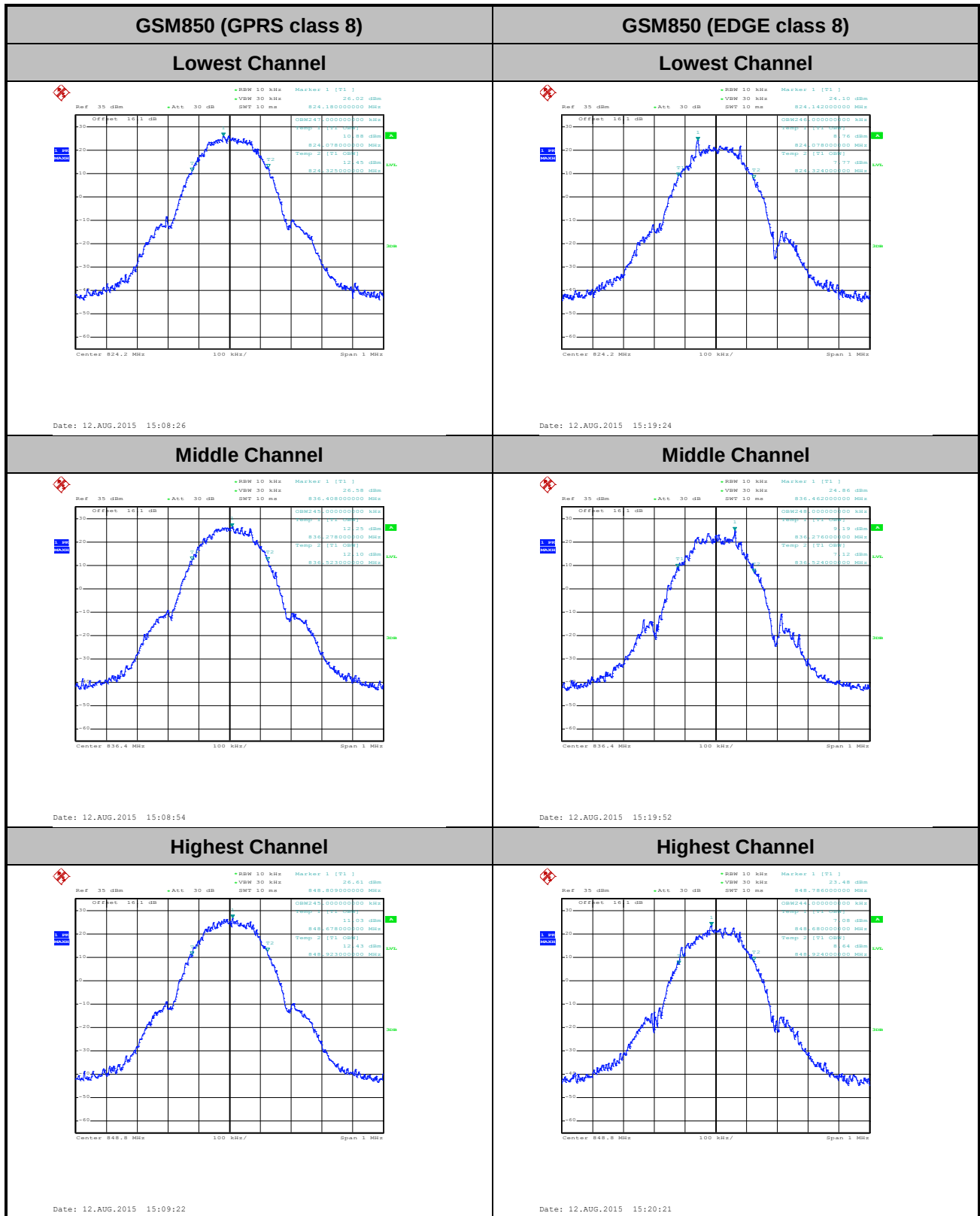


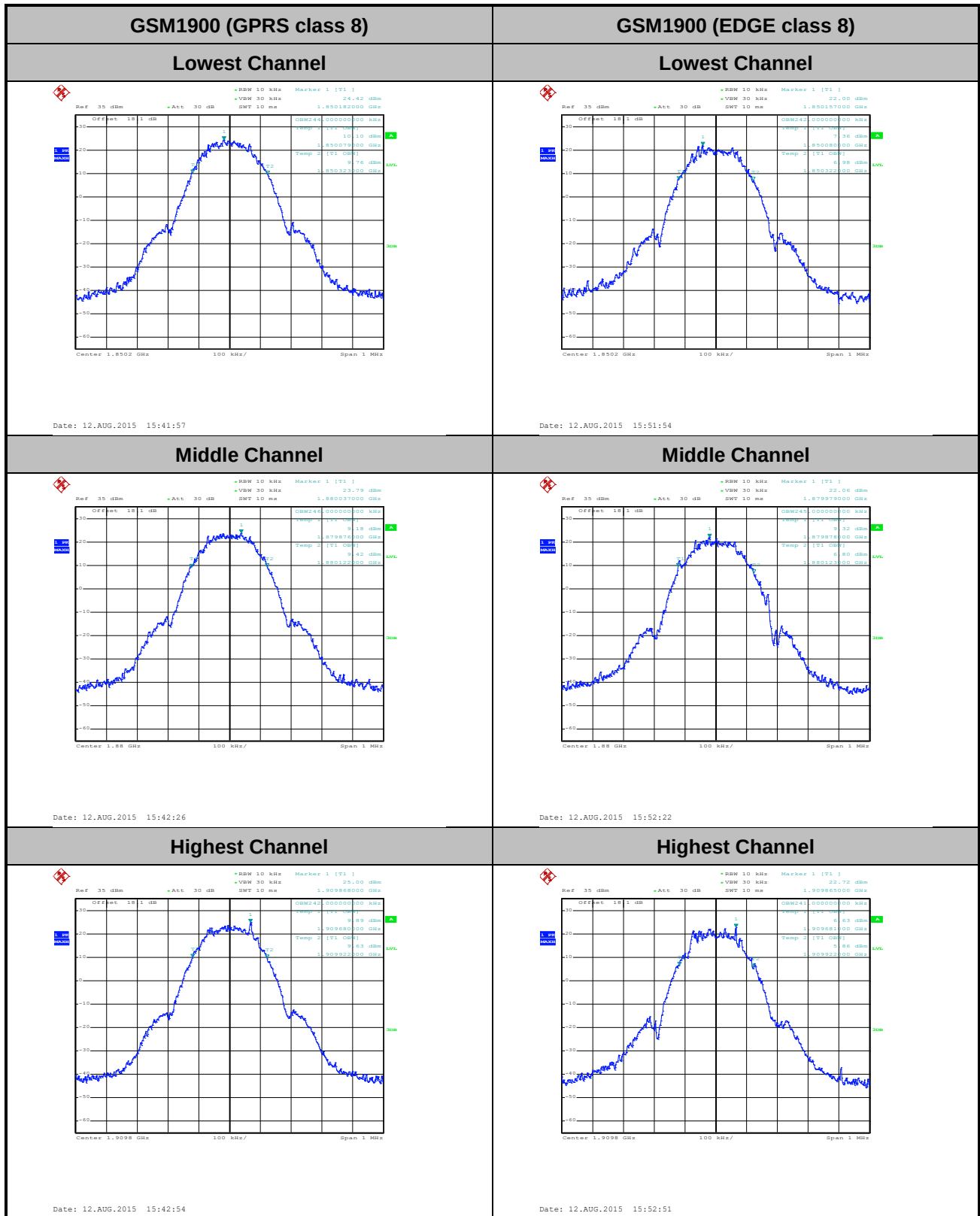


**Occupied Bandwidth**

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.247	0.246
Middle CH	0.245	0.248
Highest CH	0.245	0.244

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.244	0.242
Middle CH	0.246	0.245
Highest CH	0.242	0.241



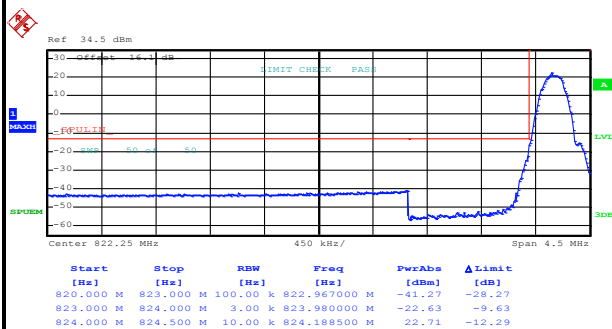




Conducted Band Edge

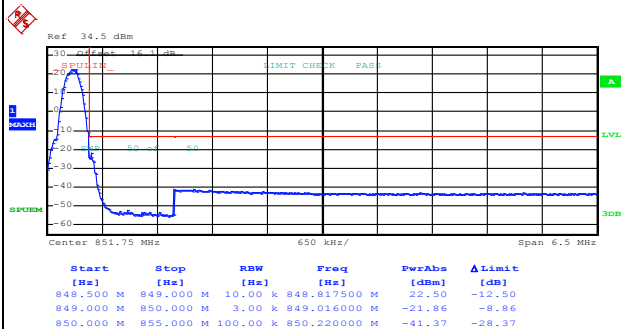
GSM850 (GPRS class 8)

Lowest Band Edge



Date: 12.AUG.2015 15:11:09

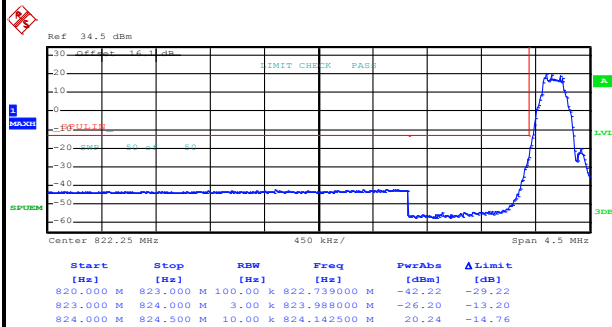
Highest Band Edge



Date: 12.AUG.2015 15:12:37

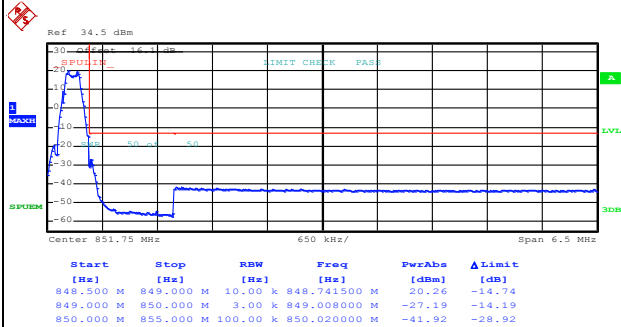
GSM850 (EDGE class 8)

Lowest Band Edge



Date: 12.AUG.2015 15:22:05

Highest Band Edge

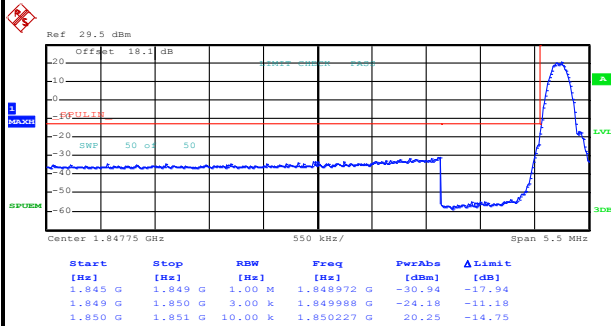


Date: 12.AUG.2015 15:23:32



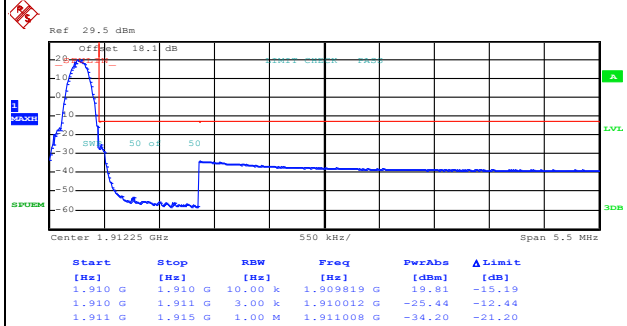
GSM1900 (GPRS class 8)

Lowest Band Edge



Date: 12.AUG.2015 15:44:27

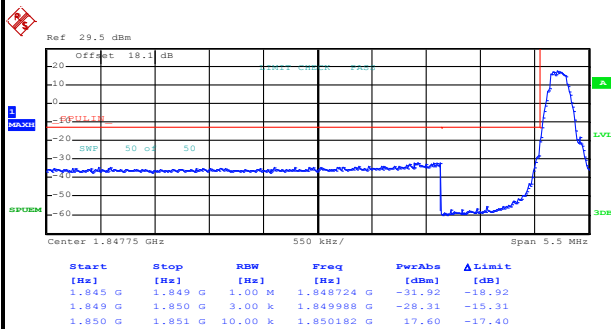
Highest Band Edge



Date: 12.AUG.2015 15:45:55

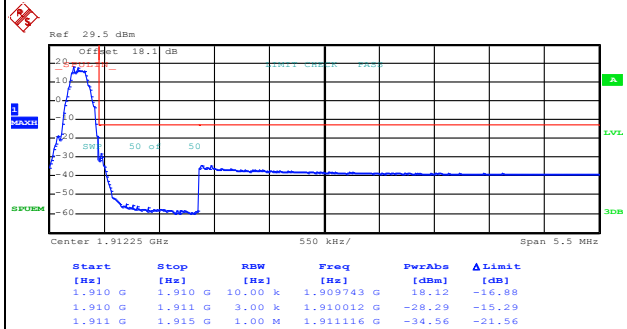
GSM1900 (EDGE class 8)

Lowest Band Edge



Date: 12.AUG.2015 15:54:26

Highest Band Edge

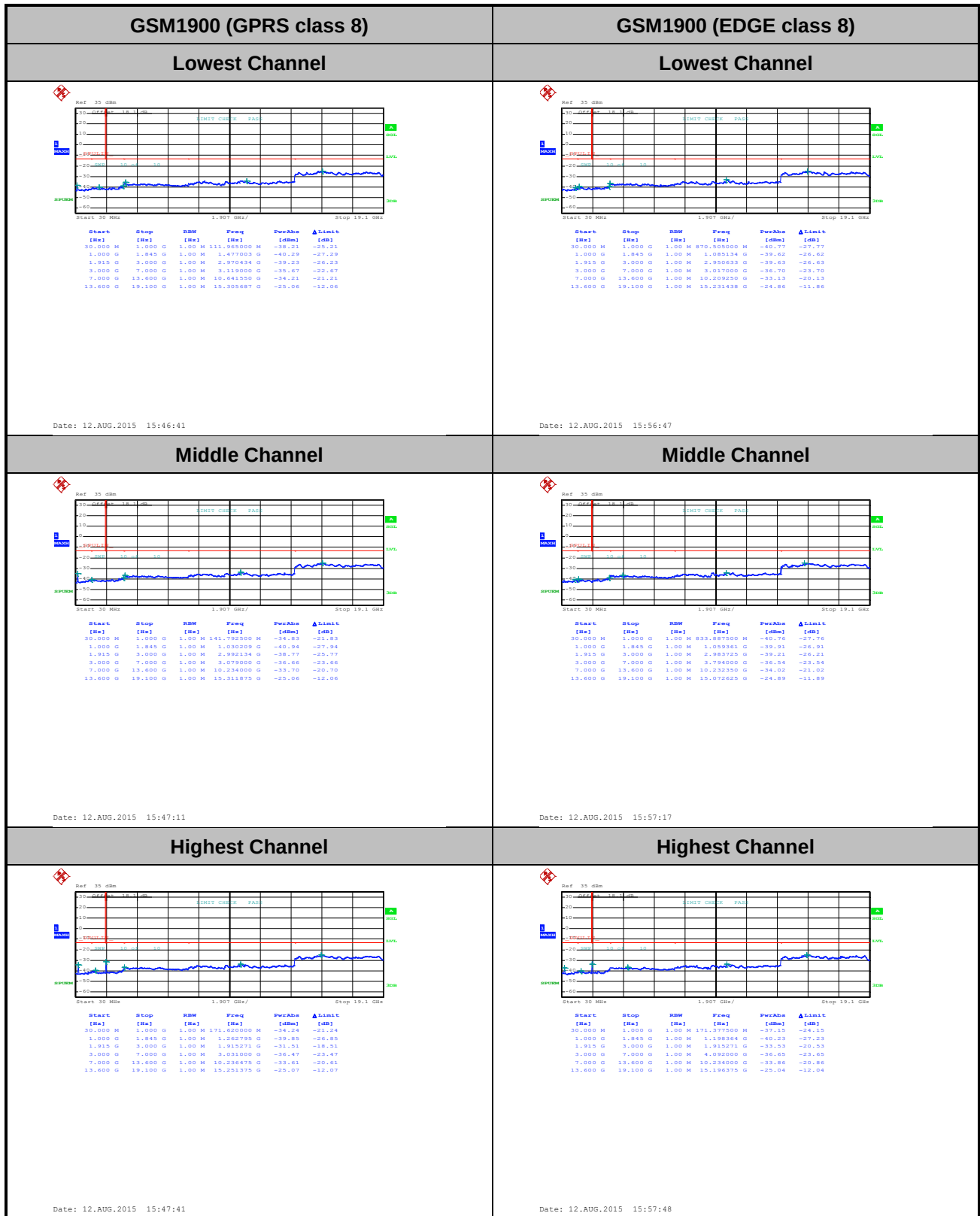


Date: 12.AUG.2015 15:55:53



Conducted Spurious Emission

GSM850 (GPRS class 8)		GSM850 (EDGE class 8)	
Lowest Channel		Lowest Channel	
</			



Frequency Stability

Test Conditions	Middle Channel	GSM850 (GPRS class 8)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0060	0.0012	PASS
40	Normal Voltage	0.0060	0.0024	
30	Normal Voltage	0.0024	0.0072	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0036	0.0096	
0	Normal Voltage	0.0084	0.0012	
-10	Normal Voltage	0.0012	0.0048	
-20	Normal Voltage	0.0048	0.0060	
-30	Normal Voltage	0.0012	0.0024	
20	Maximum Voltage	0.0024	0.0036	
20	Normal Voltage	0.0048	0.0036	
20	Battery End Point	0.0072	0.0012	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0032	0.0037	PASS
40	Normal Voltage	0.0021	0.0059	
30	Normal Voltage	0.0048	0.0016	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0064	0.0064	
0	Normal Voltage	0.0021	0.0085	
-10	Normal Voltage	0.0048	0.0101	
-20	Normal Voltage	0.0122	0.0154	
-30	Normal Voltage	0.0101	0.0122	
20	Maximum Voltage	0.0000	0.0069	
20	Normal Voltage	0.0027	0.0032	
20	Battery End Point	0.0011	0.0043	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



A2. WCDMA

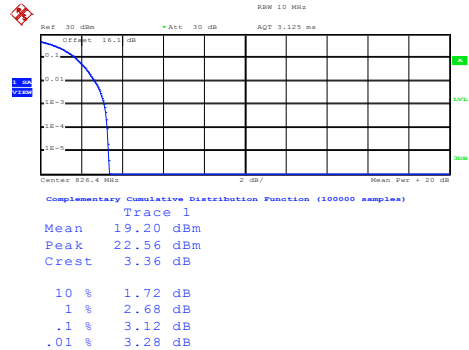
Peak-to-Average Ratio

Mode	WCDMA Band V	Limit: 13dB
Mod.	RMC 12.2Kbps	Result
Lowest CH	3.12	PASS
Middle CH	3.32	
Highest CH	3.16	



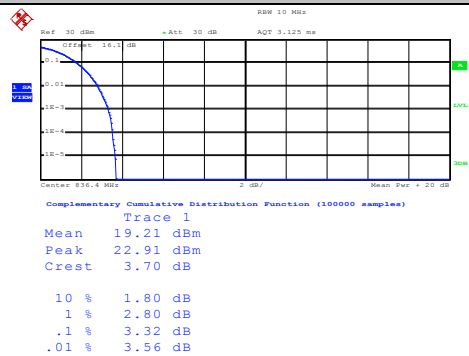
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



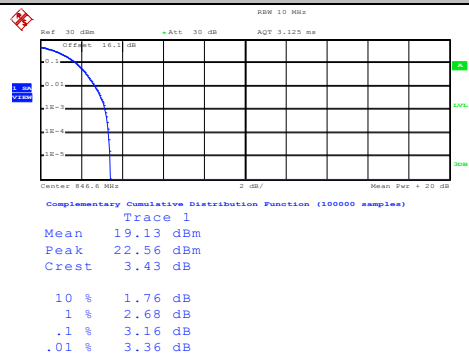
Date: 12.AUG.2015 15:36:45

Middle Channel



Date: 12.AUG.2015 15:36:54

Highest Channel



Date: 12.AUG.2015 15:37:02



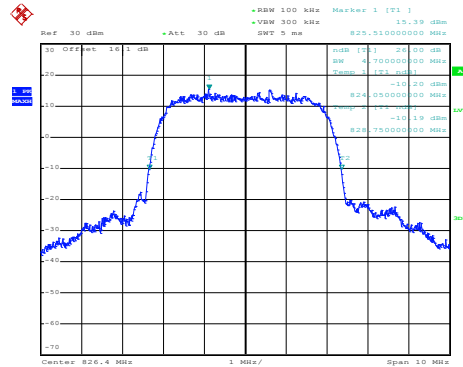
26dB Bandwidth

Mode	WCDMA Band V
Mod.	RMC 12.2Kbps
Lowest CH	4.70
Middle CH	4.70
Highest CH	4.70



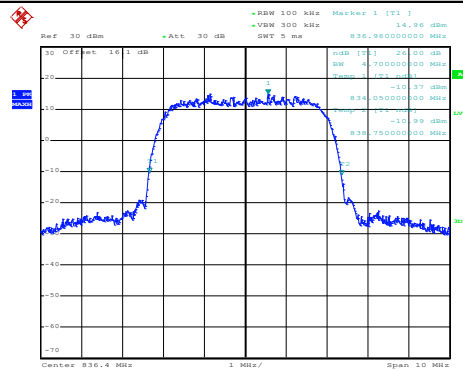
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



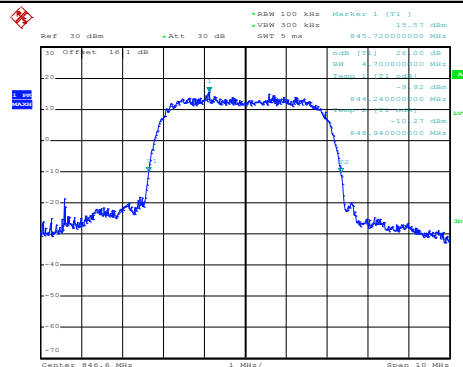
Date: 12.AUG.2015 15:29:09

Middle Channel



Date: 12.AUG.2015 15:29:37

Highest Channel



Date: 12.AUG.2015 15:30:06

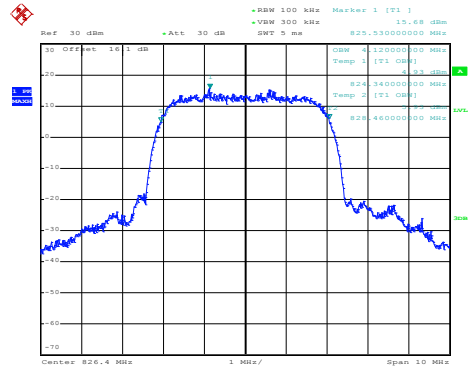


Occupied Bandwidth

Mode	WCDMA Band V
Mod.	RMC 12.2Kbps
Lowest CH	4.12
Middle CH	4.15
Highest CH	4.14

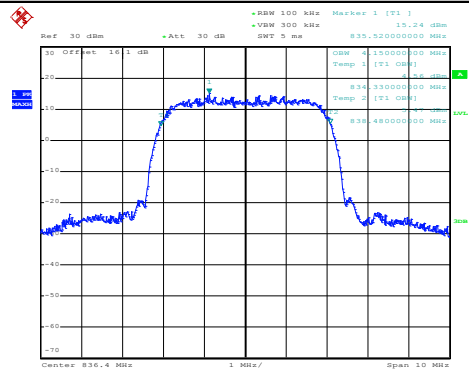
WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



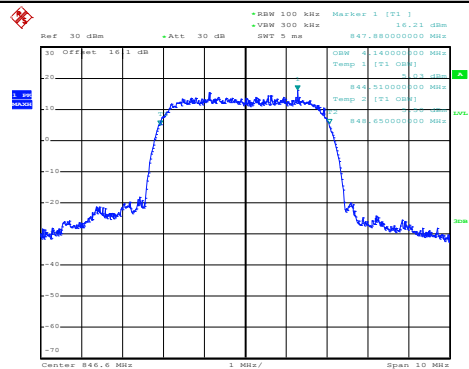
Date: 12.AUG.2015 15:30:46

Middle Channel



Date: 12.AUG.2015 15:31:14

Highest Channel



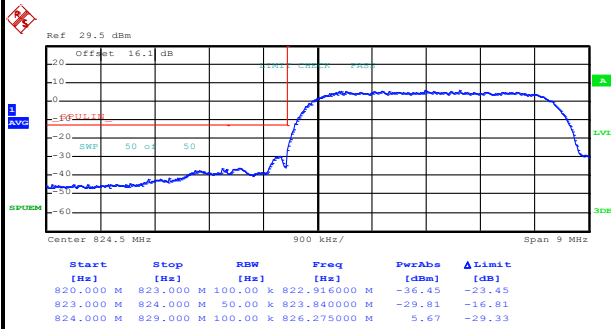
Date: 12.AUG.2015 15:31:43



Conducted Band Edge

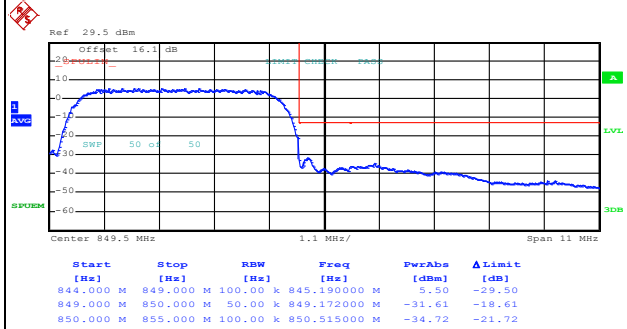
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 12.AUG.2015 15:33:20

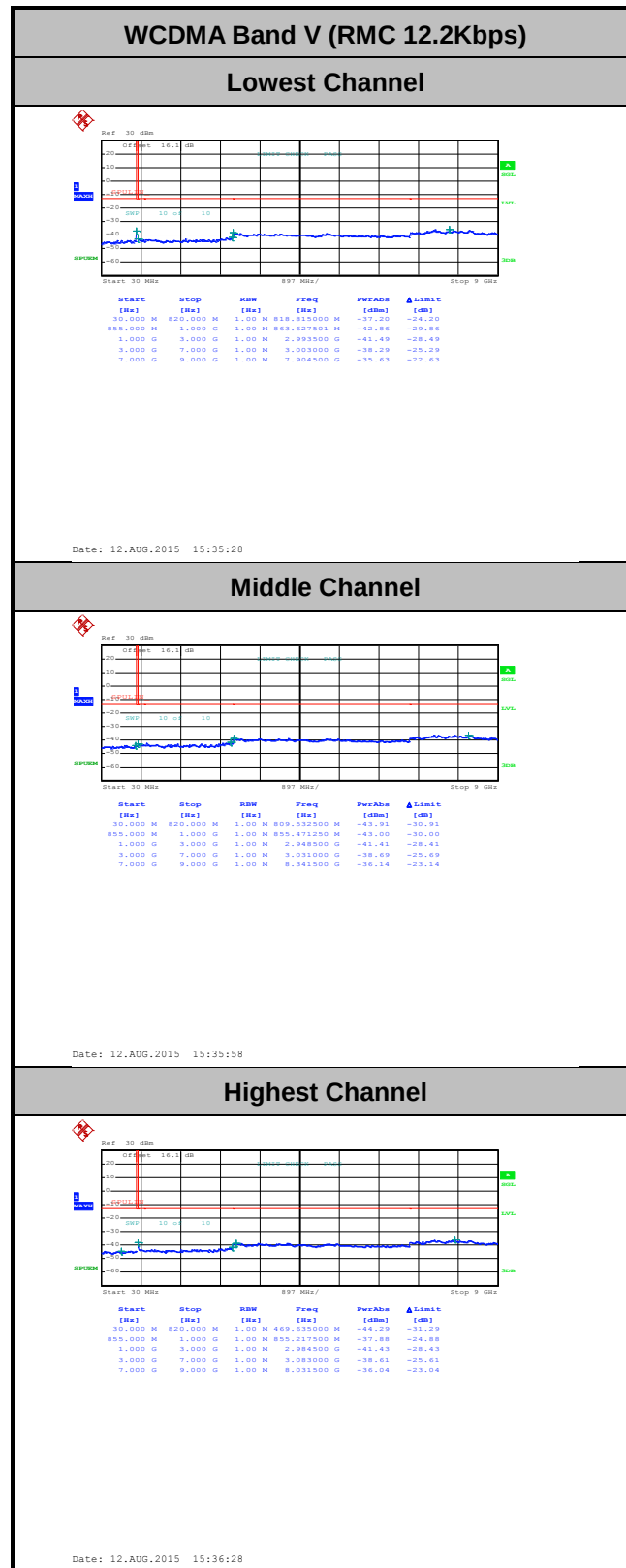
Highest Band Edge



Date: 12.AUG.2015 15:34:47



Conducted Spurious Emission



Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0132	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0143	
-20	Normal Voltage	0.0096	
-30	Normal Voltage	0.0120	
20	Maximum Voltage	0.0084	
20	Normal Voltage	0.0036	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

Channel	Mode	Horizontal		Vertical	
		ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	GSM850 GPRS class 8	28.25	0.6683	17.73	0.0593
Middle		27.89	0.6152	17.61	0.0577
Highest		27.65	0.5821	17.69	0.0587
Lowest	GSM850 EDGE class 8	23.56	0.2270	13.09	0.0204
Middle		23.22	0.2099	12.41	0.0174
Highest		22.33	0.1710	11.92	0.0156
Lowest	WCDMA Band V RMC 12.2Kbps	18.84	0.0766	8.23	0.0067
Middle		19.14	0.0820	8.64	0.0073
Highest		18.64	0.0731	8.65	0.0073
Limit	ERP < 7W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900 GPRS class 8	30.80	1.2023	27.84	0.6081
Middle		31.13	1.2972	28.14	0.6516
Highest		30.86	1.2190	28.37	0.6871
Lowest	GSM1900 EDGE class 8	26.38	0.4345	23.10	0.2042
Middle		26.77	0.4753	23.46	0.2218
Highest		26.10	0.4074	23.52	0.2249
Limit	EIRP < 2W	Result		PASS	

**Radiated Spurious Emission**

GSM850 (GPRS class 8)									
Channel	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)
Lowest	1648	-64.27	-13	-51.27	-75.17	-66.03	0.98	4.89	H
	2472	-55.61	-13	-42.61	-71.83	-57.49	1.28	5.32	H
	3297	-60.11	-13	-47.11	-77.61	-63.53	1.54	7.11	H
	1648	-61.46	-13	-48.46	-73.3	-63.22	0.98	4.89	V
	2472	-53.31	-13	-40.31	-71.12	-55.19	1.28	5.32	V
	3297	-58.63	-13	-45.63	-77.48	-62.05	1.54	7.11	V
Middle	1672	-63.34	-13	-50.34	-74.58	-65.02	0.99	4.82	H
	2512	-59.47	-13	-46.47	-76.02	-61.44	1.29	5.41	H
	3345	-59.85	-13	-46.85	-77.3	-63.46	1.56	7.32	H
	1672	-62.68	-13	-49.68	-74.62	-64.36	0.99	4.82	V
	2512	-55.02	-13	-42.02	-72.98	-56.99	1.29	5.41	V
	3345	-58.44	-13	-45.44	-77.42	-62.05	1.56	7.32	V
Highest	1696	-63.79	-13	-50.79	-75.52	-65.39	1.00	4.75	H
	2544	-57.08	-13	-44.08	-73.78	-59.06	1.30	5.44	H
	3395	-59.97	-13	-46.97	-77.6	-63.79	1.57	7.54	H
	1696	-63.46	-13	-50.46	-75.89	-65.06	1.00	4.75	V
	2544	-55.31	-13	-42.31	-73.46	-57.29	1.30	5.44	V
	3393	-58.74	-13	-45.74	-77.58	-62.55	1.57	7.53	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM850 (EDGE class 8)									
Channel	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)
Lowest	1648	-64.63	-13	-51.63	-75.71	-66.39	0.98	4.89	H
	2472	-60.11	-13	-47.11	-76.31	-61.99	1.28	5.32	H
	3297	-60.29	-13	-47.29	-77.64	-63.71	1.54	7.11	H
	1648	-64.03	-13	-51.03	-75.76	-65.79	0.98	4.89	V
	2472	-58.45	-13	-45.45	-76.22	-60.33	1.28	5.32	V
	3297	-58.63	-13	-45.63	-77.4	-62.05	1.54	7.11	V
Middle	1672	-64.65	-13	-51.65	-75.89	-66.33	0.99	4.82	H
	2512	-59.92	-13	-46.92	-76.55	-61.89	1.29	5.41	H
	3345	-60.08	-13	-47.08	-77.45	-63.69	1.56	7.32	H
	1672	-63.64	-13	-50.64	-75.56	-65.32	0.99	4.82	V
	2512	-58.55	-13	-45.55	-76.44	-60.52	1.29	5.41	V
	3345	-58.47	-13	-45.47	-77.43	-62.08	1.56	7.32	V
Highest	1696	-64.42	-13	-51.42	-76.18	-66.02	1.00	4.75	H
	2544	-60.11	-13	-47.11	-76.8	-62.09	1.30	5.44	H
	3395	-60.20	-13	-47.20	-77.74	-64.02	1.57	7.54	H
	1696	-63.45	-13	-50.45	-75.81	-65.05	1.00	4.75	V
	2544	-58.79	-13	-45.79	-76.97	-60.77	1.30	5.44	V
	3393	-58.91	-13	-45.91	-77.68	-62.72	1.57	7.53	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (GPRS class 8)									
Channel	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)
Lowest	3700	-58.98	-13	-45.98	-78.17	-65.55	1.67	8.24	H
	5551	-54.95	-13	-41.95	-79.73	-62.02	2.65	9.72	H
	7401	-53.08	-13	-40.08	-79.51	-62.22	2.46	11.60	H
	3700	-57.82	-13	-44.82	-77.97	-64.39	1.67	8.24	V
	5551	-54.15	-13	-41.15	-79.9	-61.22	2.65	9.72	V
	7401	-51.07	-13	-38.07	-79.31	-60.21	2.46	11.60	V
Middle	3763	-58.39	-13	-45.39	-78.15	-65.02	1.69	8.32	H
	5640	-54.39	-13	-41.39	-79.14	-61.44	2.71	9.76	H
	7520	-52.15	-13	-39.15	-79.2	-61.54	2.42	11.81	H
	3763	-57.48	-13	-44.48	-78.04	-64.11	1.69	8.32	V
	5640	-54.16	-13	-41.16	-79.92	-61.21	2.71	9.76	V
	7520	-50.37	-13	-37.37	-79.1	-59.76	2.42	11.81	V
Highest	3819	-57.34	-13	-44.34	-77.94	-64.02	1.70	8.38	H
	5729	-54.98	-13	-41.98	-79.62	-62.01	2.76	9.79	H
	7639	-51.52	-13	-38.52	-79.05	-61.02	2.38	11.88	H
	3820	-56.34	-13	-43.34	-77.63	-63.02	1.70	8.38	V
	5729	-53.99	-13	-40.99	-79.64	-61.02	2.76	9.79	V
	7639	-49.83	-13	-36.83	-79.01	-59.33	2.38	11.88	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



GSM1900 (EDGE class 8)									
Channel	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)
Lowest	3700	-59.45	-13	-46.45	-78.53	-66.02	1.67	8.24	H
	5551	-55.14	-13	-42.14	-79.87	-62.21	2.65	9.72	H
	7401	-52.88	-13	-39.88	-79.19	-62.02	2.46	11.60	H
	3700	-58.45	-13	-45.45	-78.4	-65.02	1.67	8.24	V
	5551	-53.95	-13	-40.95	-79.85	-61.02	2.65	9.72	V
	7401	-51.19	-13	-38.19	-79.44	-60.33	2.46	11.60	V
Middle	3763	-59.58	-13	-46.58	-78.42	-66.21	1.69	8.32	H
	5640	-55.06	-13	-42.06	-79.85	-62.11	2.71	9.76	H
	7520	-52.38	-13	-39.38	-79.23	-61.77	2.42	11.81	H
	3760	-57.49	-13	-44.49	-78.04	-64.12	1.69	8.31	V
	5640	-54.06	-13	-41.06	-79.68	-61.11	2.71	9.76	V
	7520	-50.33	-13	-37.33	-79.12	-59.72	2.42	11.81	V
Highest	3820	-57.21	-13	-44.21	-77.93	-63.89	1.70	8.38	H
	5729	-54.99	-13	-41.99	-79.63	-62.02	2.76	9.79	H
	7639	-51.62	-13	-38.62	-79.11	-61.12	2.38	11.88	H
	3820	-56.53	-13	-43.53	-77.84	-63.21	1.70	8.38	V
	5729	-53.99	-13	-40.99	-79.73	-61.02	2.76	9.79	V
	7639	-49.72	-13	-36.72	-78.85	-59.22	2.38	11.88	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



WCDMA Band V (RMC 12.2Kbps)									
Channel	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)
Lowest	1656	-64.86	-13	-51.86	-75.75	-66.59	0.98	4.86	H
	2479	-60.21	-13	-47.21	-76.55	-62.11	1.28	5.34	H
	3305	-60.43	-13	-47.43	-77.58	-63.88	1.54	7.14	H
	1656	-64.08	-13	-51.08	-75.71	-65.81	0.98	4.86	V
	2479	-59.09	-13	-46.09	-76.8	-60.99	1.28	5.34	V
	3305	-58.57	-13	-45.57	-77.47	-62.02	1.54	7.14	V
Middle	1672	-64.71	-13	-51.71	-75.98	-66.39	0.99	4.82	H
	2512	-60.25	-13	-47.25	-76.87	-62.22	1.29	5.41	H
	3345	-59.78	-13	-46.78	-77.2	-63.39	1.56	7.32	H
	1672	-63.91	-13	-50.91	-75.75	-65.59	0.99	4.82	V
	2512	-58.75	-13	-45.75	-76.75	-60.72	1.29	5.41	V
	3345	-59.05	-13	-46.05	-77.71	-62.66	1.56	7.32	V
Highest	1696	-63.79	-13	-50.79	-75.51	-65.39	1.00	4.75	H
	2540	-60.35	-13	-47.35	-76.94	-62.33	1.30	5.43	H
	3386	-60.24	-13	-47.24	-77.78	-64.02	1.57	7.50	H
	1696	-63.28	-13	-50.28	-75.6	-64.88	1.00	4.75	V
	2540	-58.35	-13	-45.35	-76.57	-60.33	1.30	5.43	V
	3386	-58.53	-13	-45.53	-77.43	-62.31	1.57	7.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.