FCC RF Test Report

APPLICANT	:	**CT Asia (HK) Ltd.**
EQUIPMENT	:	**Mobile phone**
BRAND NAME	:	**BLU**
MODEL NAME	:	**STUDIO ENERGY 2**
FCC ID	:	**YHLBLUSTENERGY2**
STANDARD	:	**FCC 47 CFR Part 2, 22(H), 24(E)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**

The product was received on Aug. 13, 2015 and testing was completed on Aug. 24, 2015. We, SPORTON INTERNATIONAL (SHENZHEN) 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 (SHENZHEN) INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

Testing Laboratory
2353

SPORTON INTERNATIONAL (SHENZHEN) INC.
1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG581308A	Rev. 01	Initial issue of report	Sep. 28, 2015

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.4	§2.1046	RSS-132 (5.4) RSS-133 (6.4)	Conducted Output Power	Reporting Only	PASS	-
3.5	§24.232(d)	RSS-132 (5.4) RSS-133 (6.4)	Peak-to-Average Ratio	< 13 dB	PASS	-
3.6	§2.1049 §22.917(b) §24.238(b)	RSS-GEN(6.6) RSS-132(3.1) RSS-133(3.1)	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §24.238(a)	RSS-132 (5.5) RSS-133 (6.5)	Band Edge Measurement	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a)	RSS-132 (5.5) RSS-133 (6.5)	Conducted Emission	< 43+10log10(P[Watts])	PASS	-
3.9	§2.1055 §22.355	RSS-GEN(6.11) RSS-132 (5.3)	Frequency Stability for Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§2.1055 §24.235	RSS-GEN(6.11) RSS-133 (6.3)		Within Authorized Band		

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
4.4	§22.913(a)(2)	RSS-132(5.4) SRSP-503(5.1.3)	Effective Radiated Power	< 7 Watts	PASS	-
	§24.232(c)	RSS-133 (6.4) SRSP-510(5.1.2)	Equivalent Isotropic Radiated Power	< 2 Watts	PASS	-
4.5	§2.1053 §22.917(a) §24.238(a)	RSS-132 (5.5) RSS-133 (6.5)	Field Strength of Spurious Radiation	< 43+10log10(P[Watts])	PASS	Under limit 8.90 dB at 1648.400 MHz

1 General Description

1.1 Applicant

CT Asia (HK) Ltd.
Unit1309-11, 13th Floor 9 Wing Hong Street Cheung Sha Wan Kowloon, Hong Kong

1.2 Manufacturer

CT Asia (HK) Ltd.
Unit1309-11, 13th Floor 9 Wing Hong Street Cheung Sha Wan Kowloon, Hong Kong

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile phone
Brand Name	BLU
Model Name	STUDIO ENERGY 2
FCC ID	YHLBLUSTENERGY2
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/HSPA+/DC-HSDPA/LTE/ WLAN2.4GHz 802.11b/g/n HT20/HT40/ Bluetooth v3.0+EDR/ Bluetooth v4.0 LE
IMEI Code	Conducted: 354147042017260/354147042052267 Radiation: 354147042018342/354147042053349 ERP&EIRP: 354147042018342/354147042053349
HW Version	STUDIO ENERGY 2_Mainboard_P3
SW Version	BLU_S0090UU_V05_GENERIC 14-09-2015 07:56
EUT Stage	Pre-Production

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 subjective to this standard

Product Specification subjective to this standard	
Tx Frequency	**GSM/GPRS/EDGE:** 850: 824.2 MHz ~ 848.8 MHz 1900: 1850.2 MHz ~ 1909.8MHz **WCDMA:** Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz
Rx Frequency	**GSM/GPRS/EDGE:** 850: 869.2 MHz ~ 893.8 MHz 1900: 1930.2 MHz ~ 1989.8 MHz **WCDMA:** Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz
Maximum Output Power to Antenna	**GSM/GPRS/EDGE:** 850: 32.98 dBm 1900: 30.39 dBm **WCDMA:** Band V: 23.22 dBm Band II: 22.80 dBm
Antenna Type	Fixed Internal Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK/(MCS 5-9): 8PSK WCDMA : QPSK (Uplink) HSDPA/DC-HSDPA : QPSK (Uplink) HSUPA : QPSK (Uplink) HSPA+ : 16QAM DC-HSDPA : 64QAM

1.5 Modification of EUT

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

1.6 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 GSM	GMSK	1.3740	0.0251	247KGXW
Part 22	GSM850 EDGE class 8	8PSK	0.2449	0.0275	257KG7W
Part 22	WCDMA Band V RMC 12.2Kbps	QPSK	0.1054	0.0191	4M21F9W
Part 24	GSM1900 GSM	GMSK	0.5058	0.0323	246KGXW
Part 24	GSM1900 EDGE class 8	8PSK	0.4667	0.0371	252KG7W
Part 24	WCDMA Band II RMC 12.2Kbps	QPSK	0.1143	0.0227	4M21F9W

1.7 Testing Location

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.	
Test Site Location	1F & 2F,Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755-8637-9589 FAX: +86-755-8637-9595	
Test Site No.	**Sporton Site No.**	
	TH01-SZ	

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.	
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China TEL: +86-755- 3320-2398	
Test Site No.	**Sporton Site No.**	**FCC/IC Registration No.**
	03CH01-SZ	831040/4086F

Note: The test site complies with ANSI C63.4 2009 requirement.

1.8 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:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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:

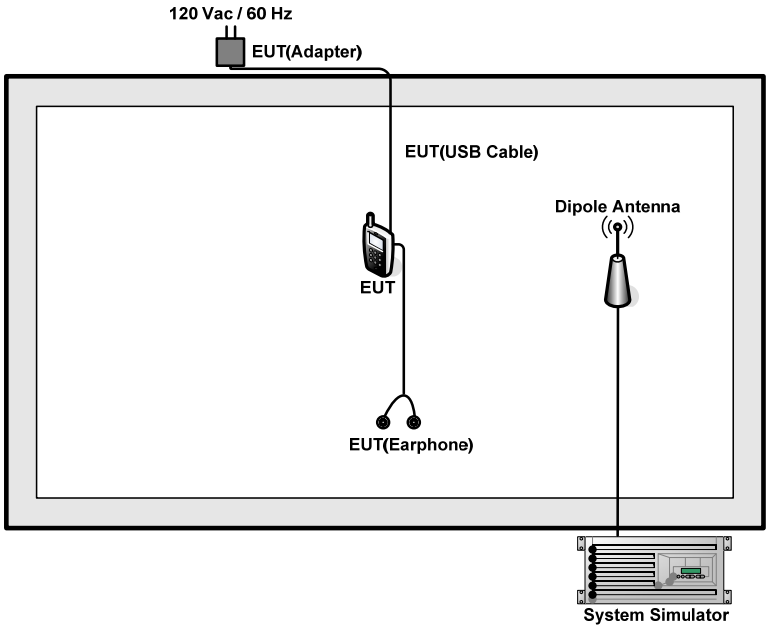
1. 30 MHz to 10th harmonic for GSM850 and WCDMA Band V.
2. 30 MHz to 10th harmonic for GSM1900 and WCDMA Band II.

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	■ GSM Link ■ EDGE class 8 Link	■ GSM Link ■ EDGE class 8 Link
GSM 1900	■ GSM Link ■ EDGE class 8 Link	■ GSM Link ■ EDGE class 8 Link
WCDMA Band V	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link
WCDMA Band II	■ 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.	DC Power Supply	TOPWORD	3303DR	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 4.5 dB and a 10dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.5 + 10 = 14.5 (dB)

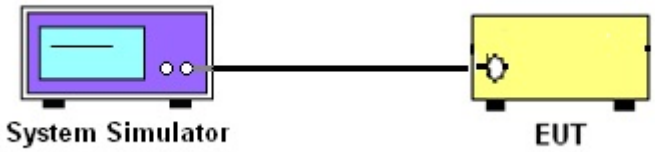
3 Conducted Test Result

3.1 Measuring Instruments

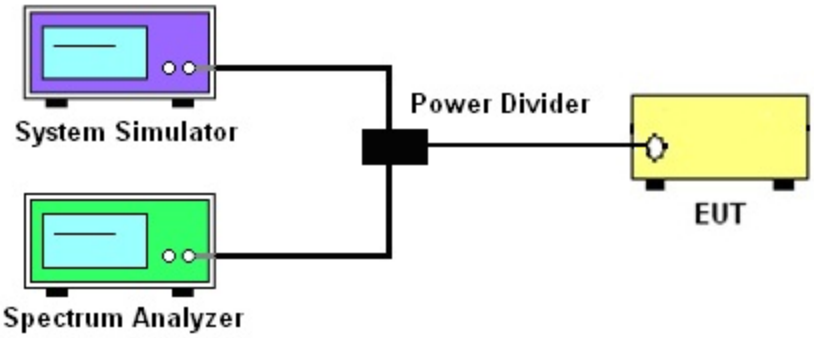
See list of measuring instruments of this test report.

3.2 Test Setup

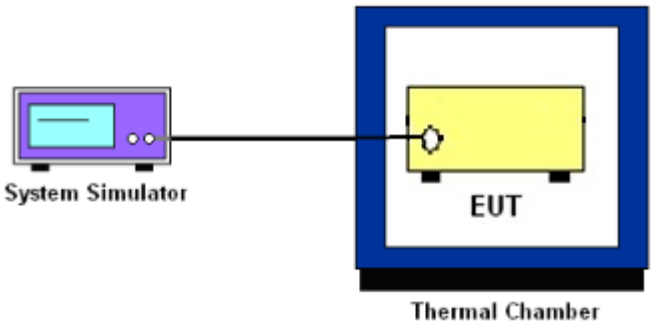
3.2.1 Conducted Output Power



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, peak 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 + 10log(P) dB below the transmitter power P(Watts)
   = P(W) - [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
   = -13dBm.

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 10^{th} 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 + 10log(P) dB below the transmitter power P(Watts)

= P(W) - [43 + 10log(P)] (dB)

= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

= -13dBm.

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 ±0.00025% (±2.5ppm) 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±5° 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.

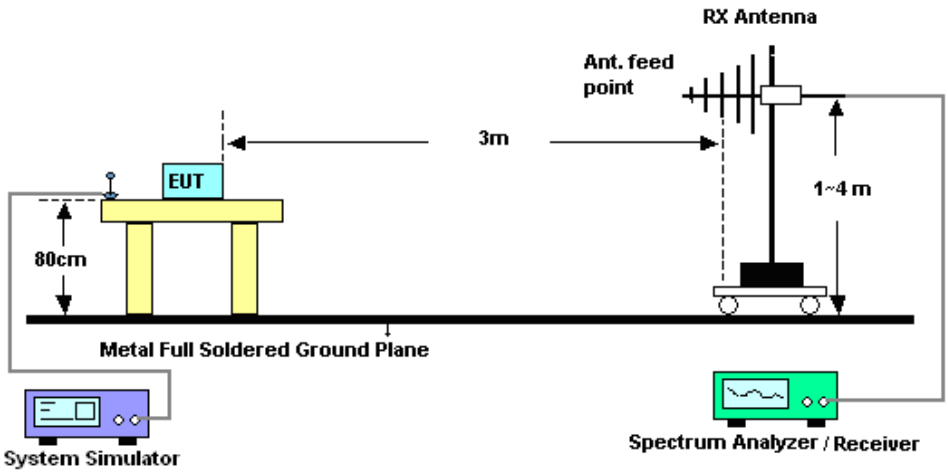
4 Radiated Test Items

4.1 Measuring Instruments

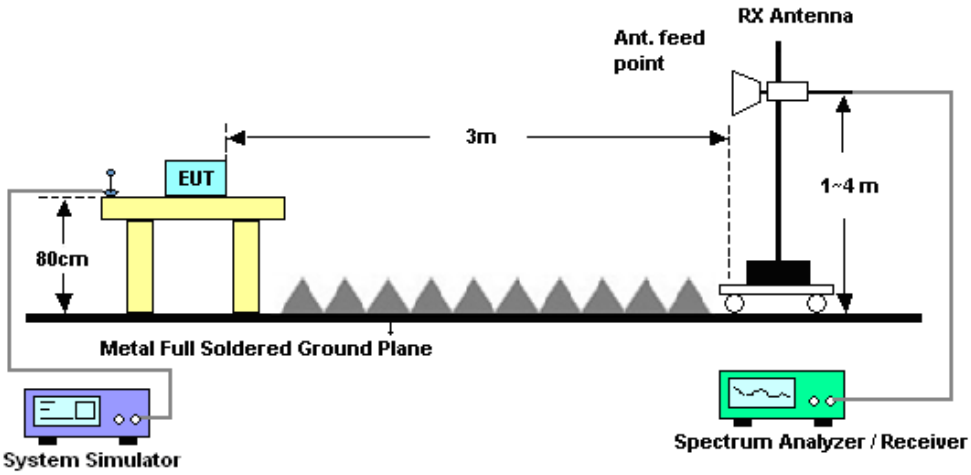
See list of measuring instruments of this test report.

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 + 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 (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
12. ERP (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 + 10log(P) dB below the transmitter power P(Watts)

    = P(W) - [43 + 10log(P)] (dB)

    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

    = -13dBm.

5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSP30	101400	9kHz~30GHz	Jan. 28, 2015	Aug. 24, 2015	Jan. 27, 2016	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Sep. 16, 2014	Aug. 24, 2015	Sep. 15, 2015	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent Technologies	N9038A	MY52260185	20Hz~26.5GHz	May 26, 2015	Aug. 22, 2015	May 25, 2016	Radiation (03CH01-SZ)
Spectrum Analyzer	R&S	FSV40	101041	10kHz~40GHz;Max 30dBm	Sep. 25, 2014	Aug. 22, 2015	Sep. 24, 2015	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	23188	30MHz~2GHz	Nov. 07, 2014	Aug. 22, 2015	Nov. 06, 2015	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Oct. 15, 2014	Aug. 22, 2015	Oct. 14, 2015	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18GHz~40GHz	Aug. 17, 2015	Aug. 22, 2015	Aug. 16, 2016	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3000MHz / 30 dB	Jan. 28, 2015	Aug. 22, 2015	Jan. 27, 2016	Radiation (03CH01-SZ)
Amplifier	Yiai	AV3860B	04030	2GHz~26.5GHz	May 05, 2015	Aug. 22, 2015	May 04, 2016	Radiation (03CH01-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5GHz	Jan. 28, 2015	Aug. 22, 2015	Jan. 27, 2016	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	NCR	Aug. 22, 2015	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Aug. 22, 2015	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Aug. 22, 2015	NCR	Radiation (03CH01-SZ)

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))	**3.9dB**

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	**32.98**	32.93	32.90	29.89	30.04	**30.39**
GPRS class 8	32.96	32.92	32.89	29.88	30.02	30.38
GPRS class 10	32.31	32.26	32.24	29.19	29.36	29.83
GPRS class 11	30.59	30.54	30.50	27.35	27.59	28.23
GPRS class 12	29.50	29.45	29.39	26.24	26.48	27.13
EGPRS class 8	26.18	26.25	26.27	25.85	25.78	25.79
EGPRS class 10	25.15	25.26	25.30	24.68	24.58	24.62
EGPRS class 11	23.06	23.21	23.24	22.46	22.32	22.43
EGPRS class 12	22.05	22.14	22.22	21.21	21.11	21.10

Conducted Power (*Unit: dBm)						
Band	WCDMA Band V			WCDMA Band II		
Channel	4132	4182	4233	9262	9400	9538
Frequency	826.4	836.4	846.6	1852.4	1880	1907.6
AMR 12.2K	23.20	23.14	23.18	22.78	22.74	22.45
RMC 12.2K	23.22	23.15	23.19	22.80	22.75	22.46
HSDPA Subtest-1	21.93	21.51	21.61	21.28	21.24	21.30
HSDPA Subtest-2	21.85	21.54	21.60	21.27	21.25	21.26
HSDPA Subtest-3	21.11	21.05	21.16	20.82	20.81	20.29
HSDPA Subtest-4	21.06	21.02	21.14	20.83	20.77	20.27
DC-HSDPA Subtest-1	19.12	18.87	18.86	19.06	19.04	19.09
DC-HSDPA Subtest-2	19.12	18.86	18.86	19.07	19.07	19.07
DC-HSDPA Subtest-3	19.13	18.87	18.87	19.08	19.10	18.08
DC-HSDPA Subtest-4	19.12	18.87	18.86	19.09	19.09	19.08
HSUPA Subtest-1	20.12	20.07	20.15	19.56	19.49	19.38
HSUPA Subtest-2	20.11	20.05	20.14	19.46	19.40	19.36
HSUPA Subtest-3	21.14	21.07	21.16	20.48	20.43	20.39
HSUPA Subtest-4	19.55	19.59	19.61	18.85	18.85	18.83
HSUPA Subtest-5	22.10	22.09	22.22	21.41	21.40	21.35
HSPA+ (16QAM) Subtest-1	19.10	18.85	19.09	19.07	19.07	19.46

Note: maximum burst average power for GSM, and maximum average power for WCDMA with SIM 1

Peak-to-Average Ratio

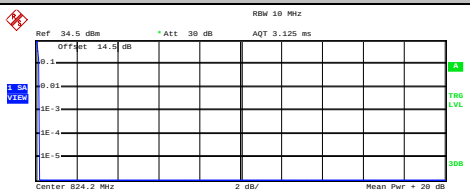
Mode	GSM850		Limit: 13dB
Mod.	GSM	EDGE class 8	Result
Lowest CH	0.20	3.08	PASS
Middle CH	0.20	3.12	
Highest CH	0.24	3.00	

Mode	GSM1900		Limit: 13dB
Mod.	GSM	EDGE class 8	Result
Lowest CH	0.20	3.12	PASS
Middle CH	0.20	3.08	
Highest CH	0.24	3.08	

Mode	WCDMA Band V	WCDMA Band II		Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps		Result
Lowest CH	3.08	2.80		PASS
Middle CH	2.96	3.08		
Highest CH	3.24	2.60		

GSM850 (GSM)

Lowest Channel

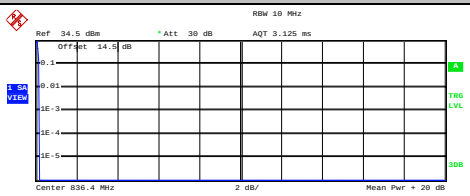


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.30 dBm
Peak	32.50 dBm
Crest	0.20 dB
10 %	0.16 dB
1 %	0.20 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 24.AUG.2015 16:21:50

Middle Channel

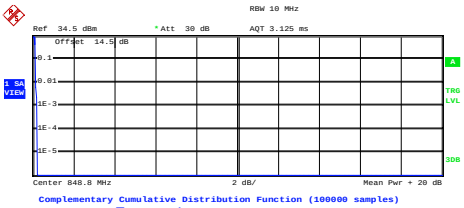


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.32 dBm
Peak	32.50 dBm
Crest	0.18 dB
10 %	0.16 dB
1 %	0.20 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 24.AUG.2015 16:22:04

Highest Channel



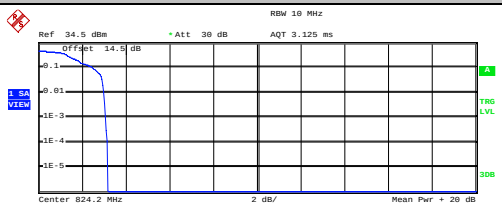
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.28 dBm
Peak	32.50 dBm
Crest	0.22 dB
10 %	0.16 dB
1 %	0.16 dB
.1 %	0.24 dB
.01 %	0.24 dB

Date: 24.AUG.2015 16:22:18

GSM850 (EDGE class 8)

Lowest Channel

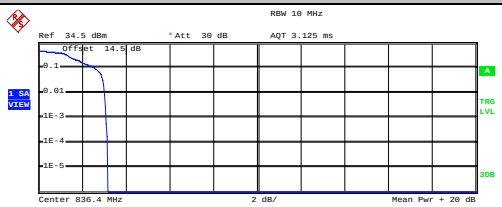


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.15 dBm
Peak	28.33 dBm
Crest	3.19 dB
10 %	2.48 dB
1 %	3.00 dB
.1 %	3.08 dB
.01 %	3.16 dB

Date: 24.AUG.2015 16:31:50

Middle Channel

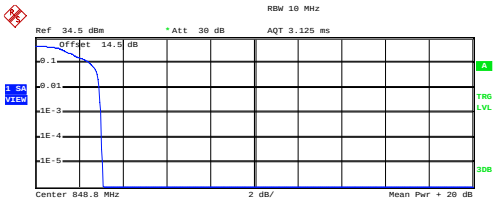


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.00 dBm
Peak	28.19 dBm
Crest	3.19 dB
10 %	2.56 dB
1 %	3.04 dB
.1 %	3.12 dB
.01 %	3.16 dB

Date: 24.AUG.2015 16:32:06

Highest Channel



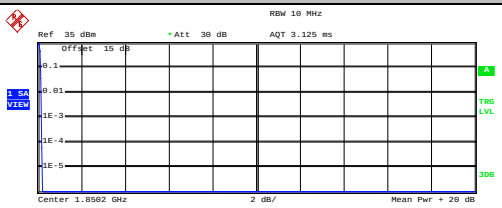
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	25.03 dBm
Peak	28.12 dBm
Crest	3.09 dB
10 %	2.48 dB
1 %	2.92 dB
.1 %	3.00 dB
.01 %	3.04 dB

Date: 24.AUG.2015 16:32:21

GSM1900 (GSM)

Lowest Channel

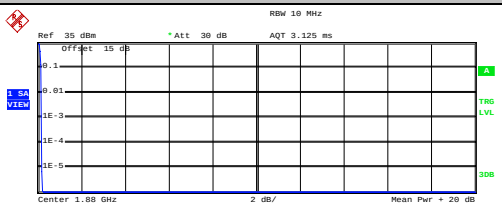


Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	28.81 dBm
Peak	29.05 dBm
Crest	0.23 dB
10 %	0.16 dB
1 %	0.20 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 24.AUG.2015 16:57:55

Middle Channel

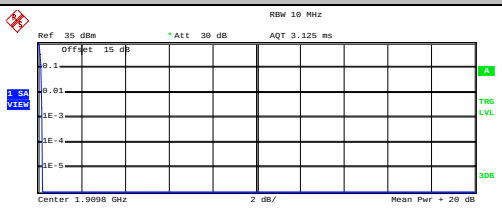


Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	28.80 dBm
Peak	29.05 dBm
Crest	0.25 dB
10 %	0.16 dB
1 %	0.20 dB
.1 %	0.20 dB
.01 %	0.20 dB

Date: 24.AUG.2015 16:58:12

Highest Channel



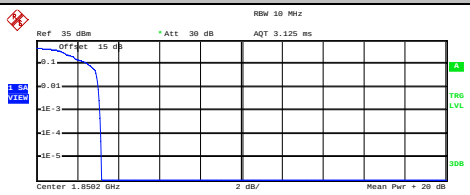
Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	28.92 dBm
Peak	29.12 dBm
Crest	0.20 dB
10 %	0.16 dB
1 %	0.20 dB
.1 %	0.24 dB
.01 %	0.24 dB

Date: 24.AUG.2015 16:58:28

GSM1900 (EDGE class 8)

Lowest Channel

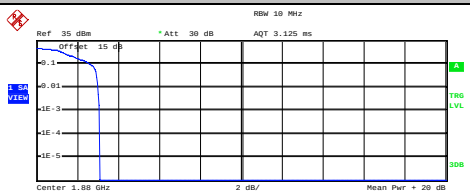


Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	23.84 dBm
Peak	27.00 dBm
Crest	3.16 dB
10 %	2.52 dB
1 %	3.04 dB
.1 %	3.12 dB
.01 %	3.16 dB

Date: 24.AUG.2015 16:40:13

Middle Channel

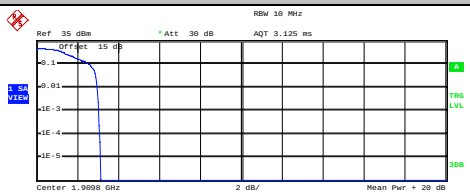


Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	23.89 dBm
Peak	27.00 dBm
Crest	3.11 dB
10 %	2.64 dB
1 %	3.04 dB
.1 %	3.08 dB
.01 %	3.12 dB

Date: 24.AUG.2015 16:40:30

Highest Channel



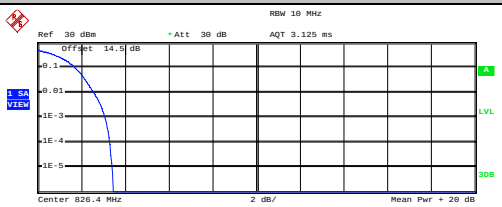
Complementary Cumulative Distribution Function (100000 samples)

Trace 1	
Mean	23.88 dBm
Peak	27.00 dBm
Crest	3.12 dB
10 %	2.60 dB
1 %	3.00 dB
.1 %	3.08 dB
.01 %	3.12 dB

Date: 24.AUG.2015 16:40:48

WCDMA Band V (RMC 12.2Kbps)

Lowest Channel

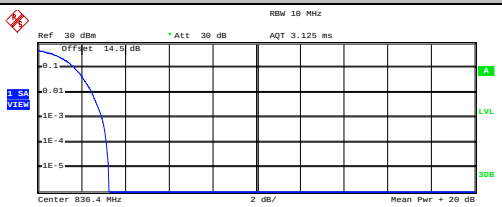


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.26 dBm
Peak	25.74 dBm
Crest	3.48 dB
10 %	1.72 dB
1 %	2.60 dB
.1 %	3.08 dB
.01 %	3.32 dB

Date: 24.AUG.2015 17:41:28

Middle Channel

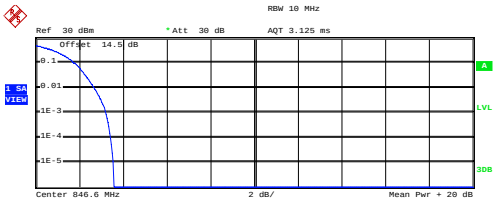


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.05 dBm
Peak	25.32 dBm
Crest	3.27 dB
10 %	1.72 dB
1 %	2.48 dB
.1 %	2.96 dB
.01 %	3.16 dB

Date: 24.AUG.2015 17:41:52

Highest Channel



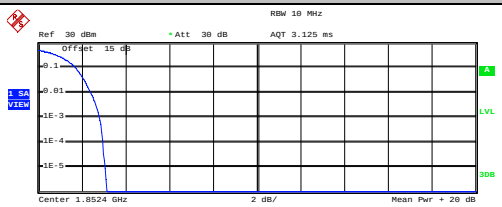
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.29 dBm
Peak	25.88 dBm
Crest	3.59 dB
10 %	1.80 dB
1 %	2.68 dB
.1 %	3.24 dB
.01 %	3.44 dB

Date: 24.AUG.2015 17:44:09

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

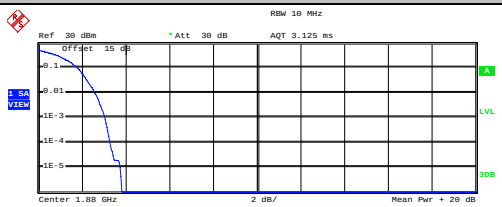


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.11 dBm
Peak	25.25 dBm
Crest	3.14 dB
10 %	1.72 dB
1 %	2.40 dB
.1 %	2.80 dB
.01 %	2.96 dB

Date: 24.AUG.2015 17:16:10

Middle Channel

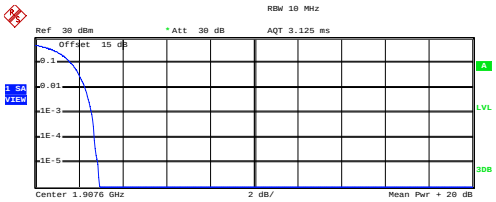


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	21.99 dBm
Peak	25.81 dBm
Crest	3.82 dB
10 %	1.80 dB
1 %	2.60 dB
.1 %	3.08 dB
.01 %	3.28 dB

Date: 24.AUG.2015 17:16:19

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.03 dBm
Peak	24.96 dBm
Crest	2.93 dB
10 %	1.64 dB
1 %	2.28 dB
.1 %	2.60 dB
.01 %	2.72 dB

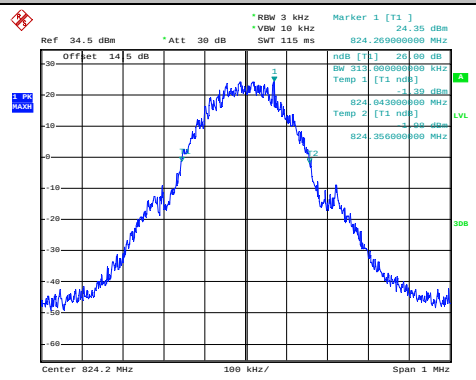
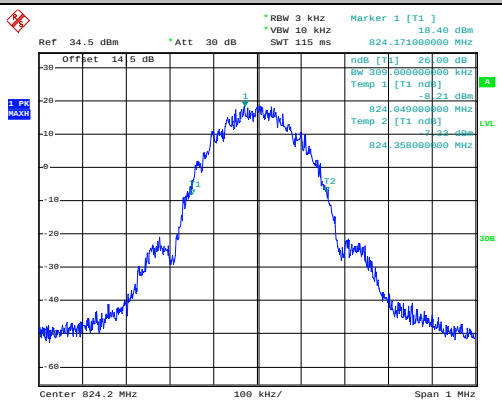
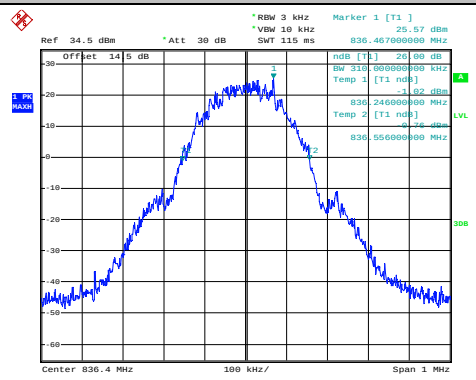
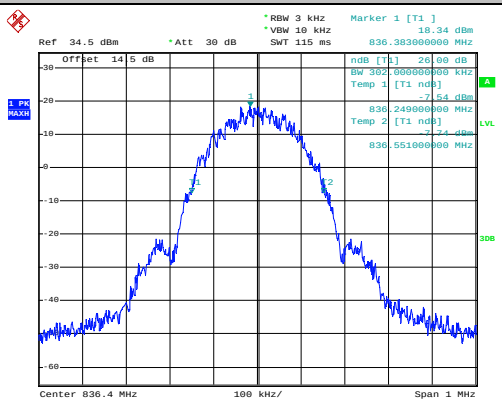
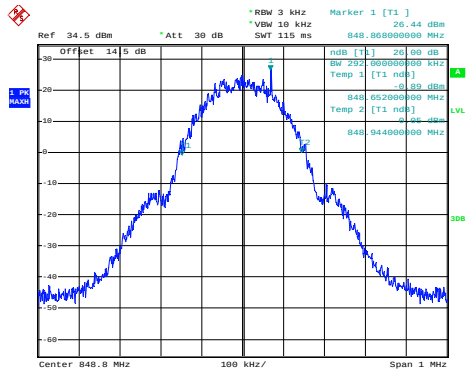
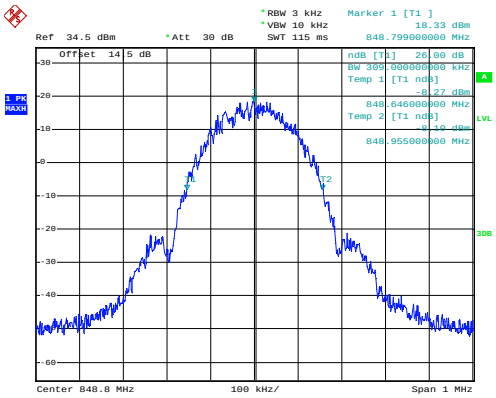
Date: 24.AUG.2015 17:16:36

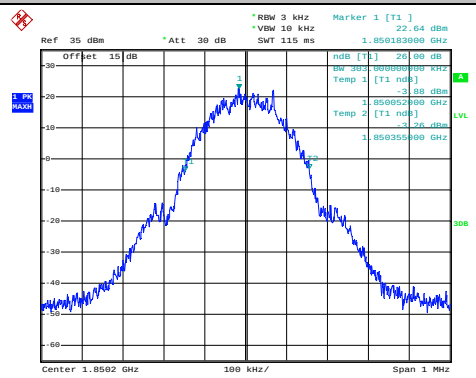
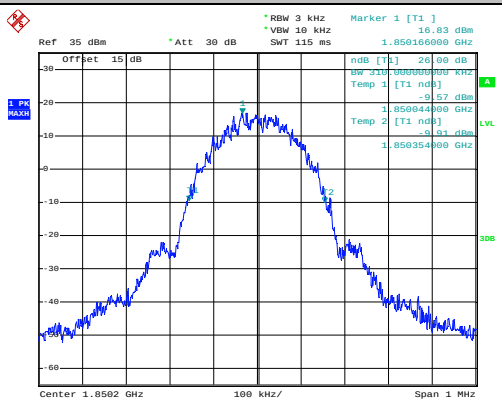
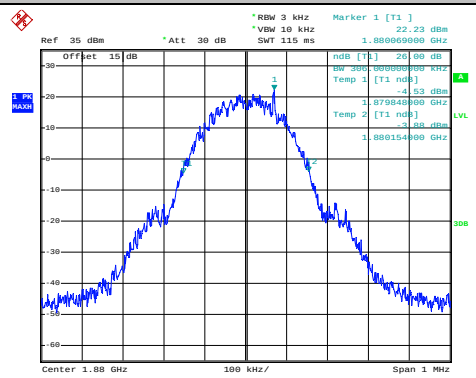
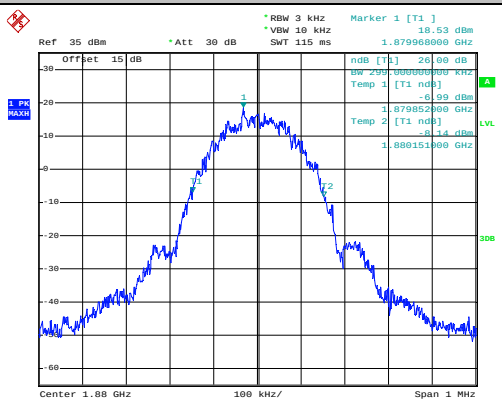
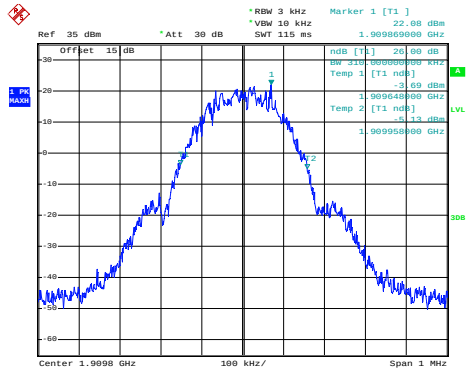
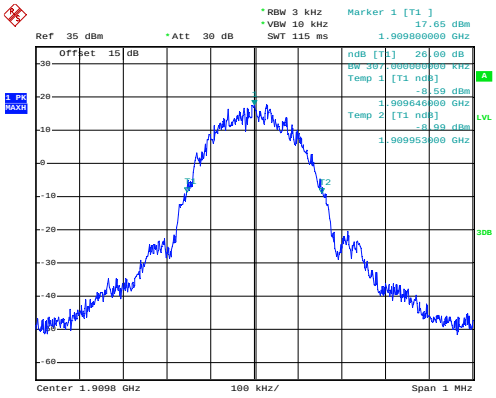
26dB Bandwidth

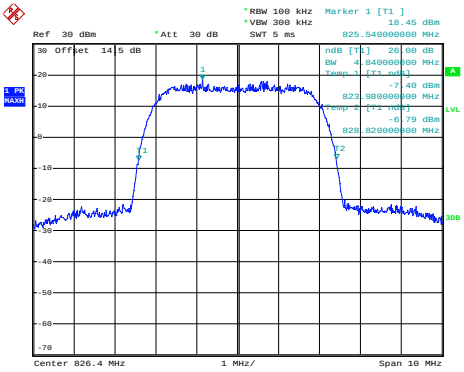
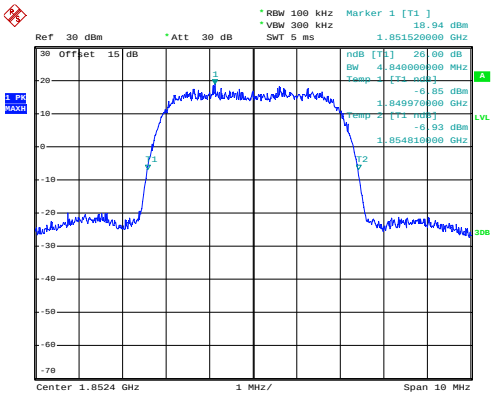
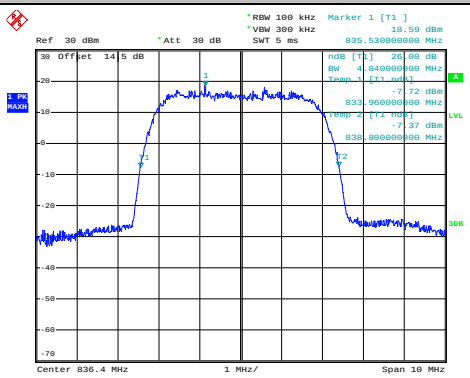
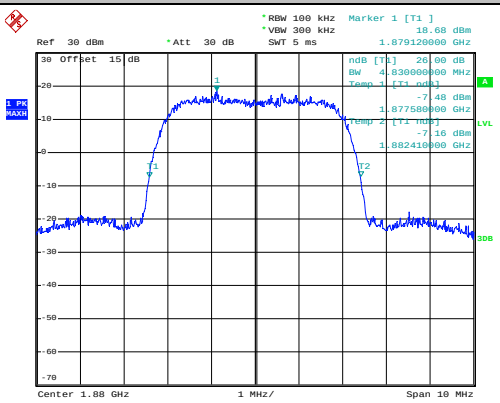
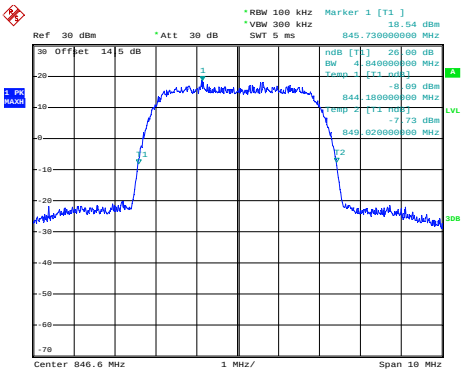
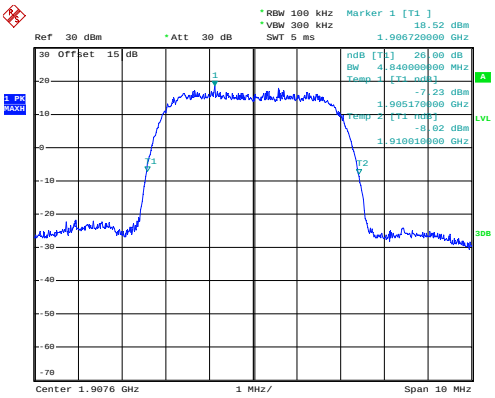
Mode	GSM850	
Mod.	GSM	EDGE class 8
Lowest CH	0.313	0.309
Middle CH	0.301	0.302
Highest CH	0.292	0.309

Mode	GSM1900	
Mod.	GSM	EDGE class 8
Lowest CH	0.303	0.310
Middle CH	0.306	0.299
Highest CH	0.310	0.307

Mode	WCDMA Band V	WCDMA Band II	
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	
Lowest CH	4.84	4.84	
Middle CH	4.84	4.83	
Highest CH	4.84	4.84	

GSM850 (GSM)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 24.AUG.2015 16:22:55	Date: 24.AUG.2015 18:29:13
Middle Channel	**Middle Channel**
	
Date: 24.AUG.2015 16:23:22	Date: 24.AUG.2015 18:29:55
Highest Channel	**Highest Channel**
	
Date: 24.AUG.2015 16:23:50	Date: 24.AUG.2015 18:30:33

GSM1900 (GSM)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 24.AUG.2015 16:49:12	Date: 24.AUG.2015 18:39:33
Middle Channel	**Middle Channel**
	
Date: 24.AUG.2015 16:49:40	Date: 24.AUG.2015 18:40:21
Highest Channel	**Highest Channel**
	
Date: 24.AUG.2015 16:50:07	Date: 24.AUG.2015 18:40:55

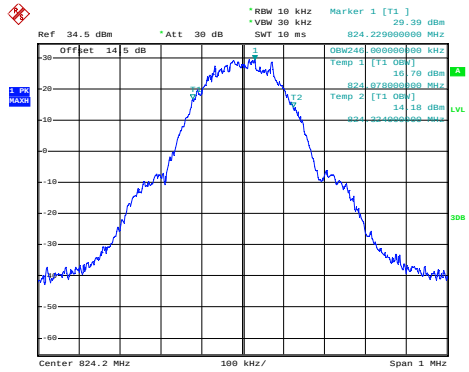
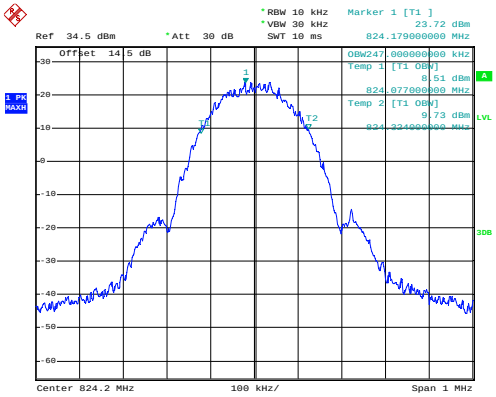
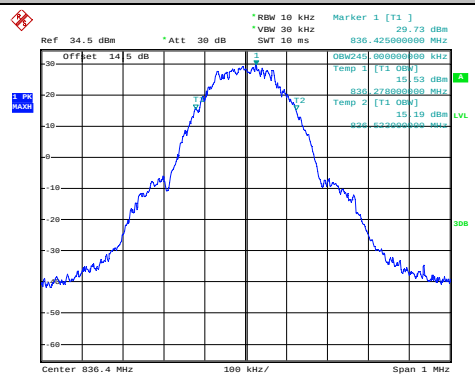
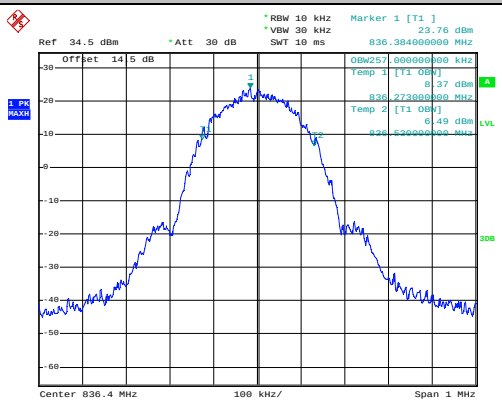
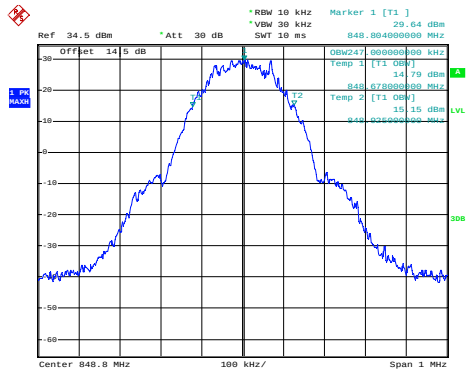
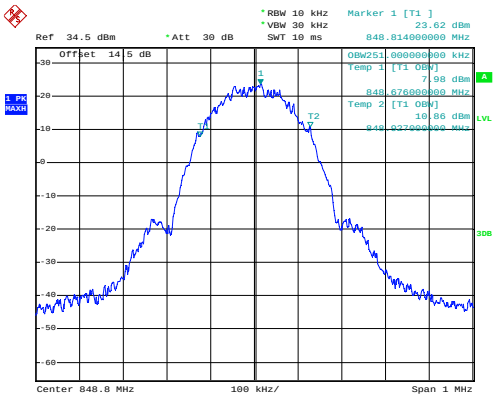
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Date: 24.AUG.2015 17:32:10	Date: 24.AUG.2015 17:03:28
Middle Channel	**Middle Channel**
	
Date: 24.AUG.2015 17:32:38	Date: 24.AUG.2015 17:03:56
Highest Channel	**Highest Channel**
	
Date: 24.AUG.2015 17:33:06	Date: 24.AUG.2015 17:04:24

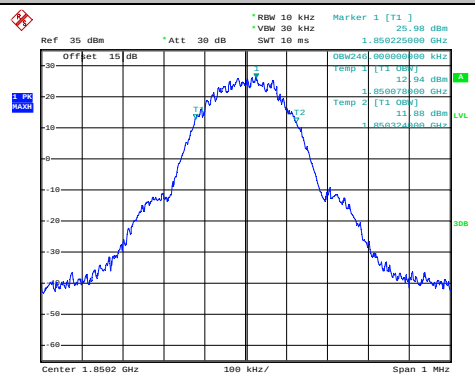
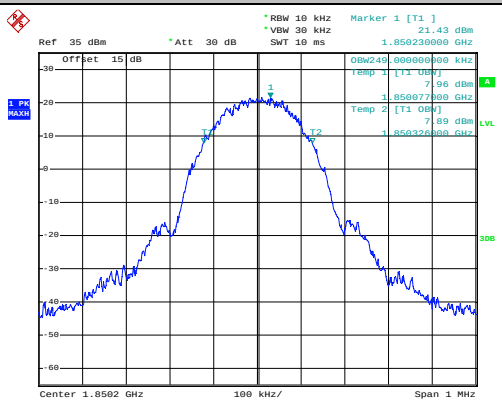
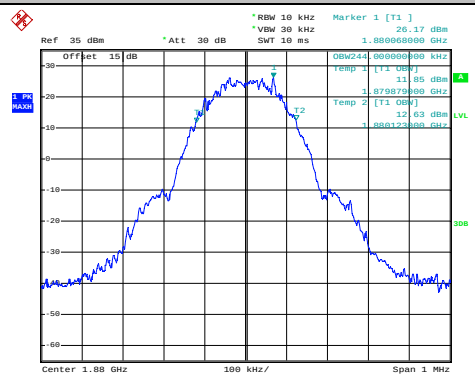
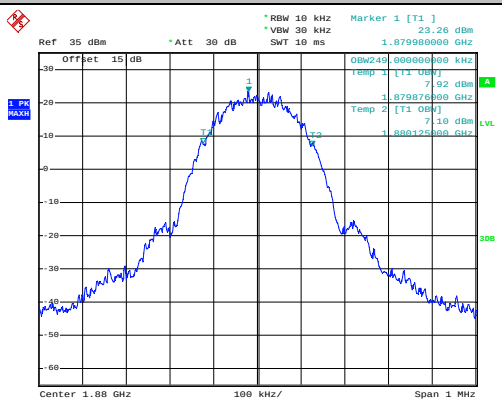
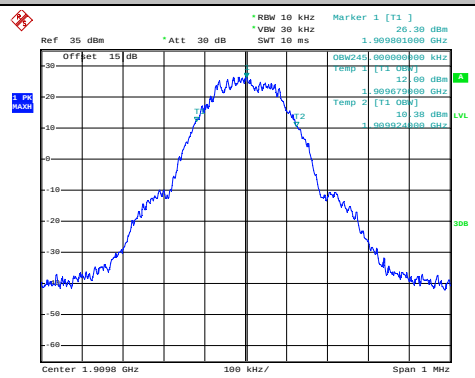
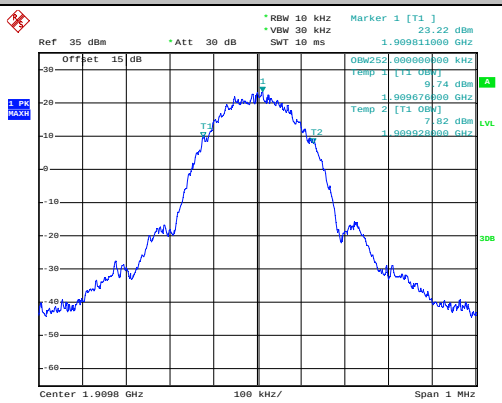
Occupied Bandwidth

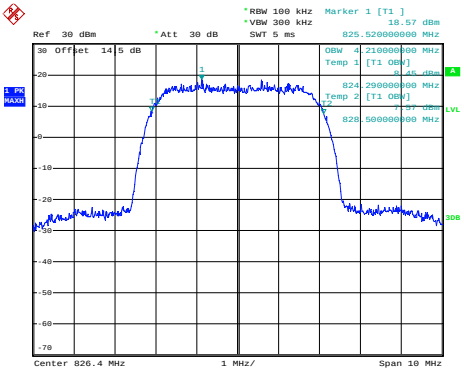
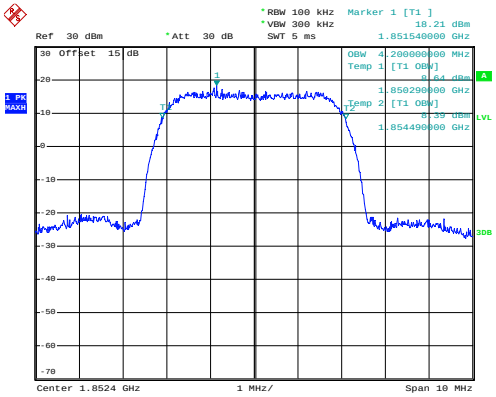
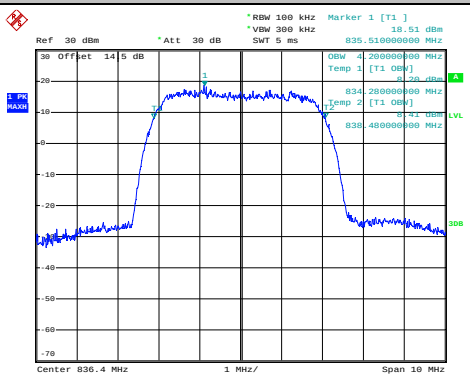
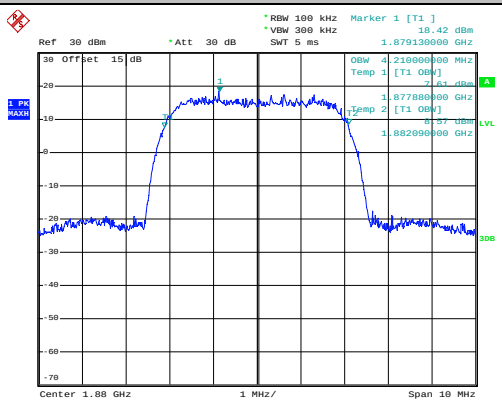
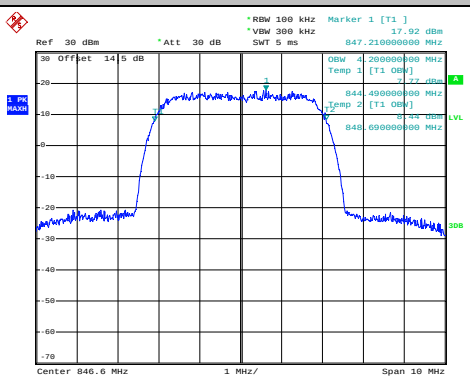
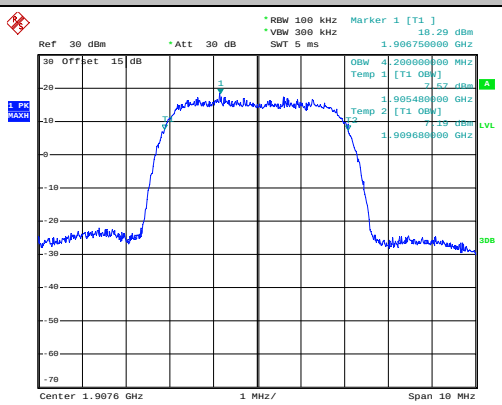
Mode	GSM850	
Mod.	GSM	EDGE class 8
Lowest CH	0.246	0.247
Middle CH	0.245	0.257
Highest CH	0.247	0.251

Mode	GSM1900	
Mod.	GSM	EDGE class 8
Lowest CH	0.246	0.249
Middle CH	0.244	0.249
Highest CH	0.245	0.252

Mode	WCDMA Band V	WCDMA Band II	
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	
Lowest CH	4.21	4.20	
Middle CH	4.20	4.21	
Highest CH	4.20	4.20	

GSM850 (GSM)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 24.AUG.2015 16:24:58	Date: 24.AUG.2015 18:31:18
Middle Channel	**Middle Channel**
	
Date: 24.AUG.2015 16:25:26	Date: 24.AUG.2015 18:31:56
Highest Channel	**Highest Channel**
	
Date: 24.AUG.2015 16:25:54	Date: 24.AUG.2015 18:32:33

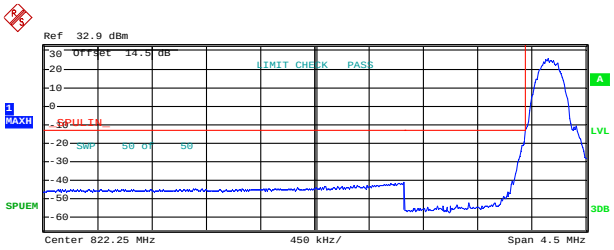
GSM1900 (GSM)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 24.AUG.2015 16:52:15	Date: 24.AUG.2015 18:41:42
Middle Channel	**Middle Channel**
	
Date: 24.AUG.2015 16:52:43	Date: 24.AUG.2015 18:42:29
Highest Channel	**Highest Channel**
	
Date: 24.AUG.2015 16:53:11	Date: 24.AUG.2015 18:43:09

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
 Date: 24.AUG.2015 17:35:19	 Date: 24.AUG.2015 17:11:06
Middle Channel	**Middle Channel**
 Date: 24.AUG.2015 17:35:46	 Date: 24.AUG.2015 17:11:34
Highest Channel	**Highest Channel**
 Date: 24.AUG.2015 17:36:14	 Date: 24.AUG.2015 17:12:02

Conducted Band Edge

GSM850 (GSM)

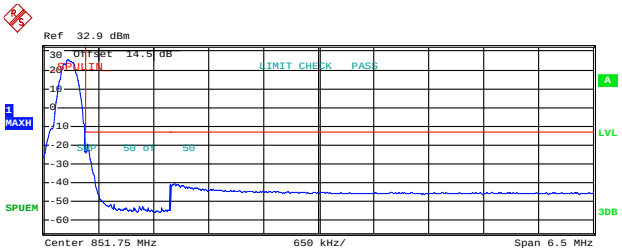
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.988000 M	-40.93	-27.93
823.000 M	824.000 M	3.00 k	823.996000 M	-19.68	-6.68
824.000 M	824.500 M	10.00 k	824.182000 M	25.87	-9.13

Date: 24.AUG.2015 16:28:09

Highest Band Edge

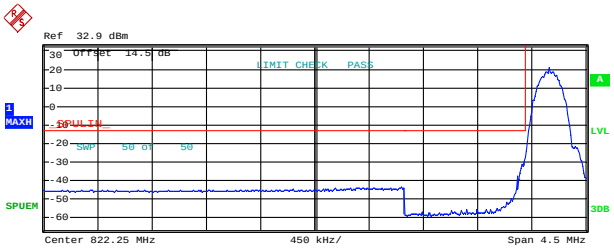


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.780500 M	25.35	-9.65
849.000 M	850.000 M	3.00 k	849.020000 M	-19.28	-6.28
850.000 M	855.000 M	100.00 k	850.045000 M	-40.73	-27.73

Date: 24.AUG.2015 16:29:36

GSM850 (EDGE class 8)

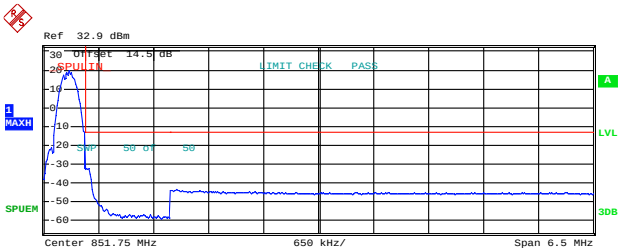
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.967000 M	-43.53	-30.53
823.000 M	824.000 M	3.00 k	823.988000 M	-29.65	-16.65
824.000 M	824.500 M	10.00 k	824.198000 M	20.66	-14.34

Date: 24.AUG.2015 18:34:29

Highest Band Edge

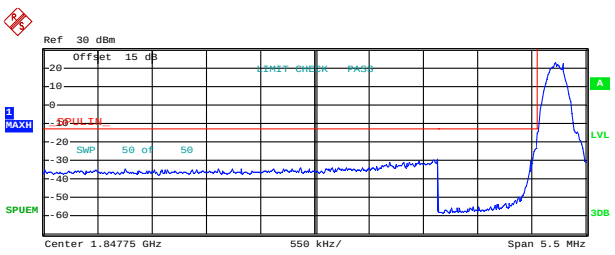


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.794000 M	19.52	-15.48
849.000 M	850.000 M	3.00 k	849.032000 M	-31.94	-18.94
850.000 M	855.000 M	100.00 k	850.065000 M	-43.70	-30.70

Date: 24.AUG.2015 18:36:16

GSM1900 (GSM)

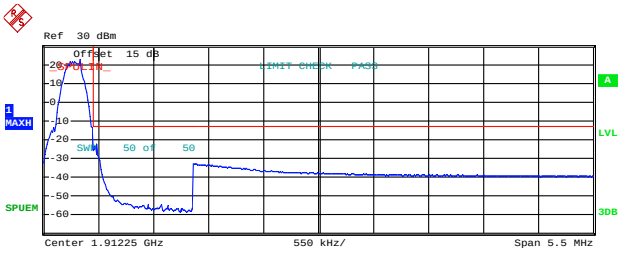
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848984 G	-29.19	-16.19
1.849 G	1.850 G	3.00 k	1.849980 G	-23.87	-10.87
1.850 G	1.851 G	10.00 k	1.850192 G	22.41	-12.59

Date: 24.AUG.2015 16:55:30

Highest Band Edge

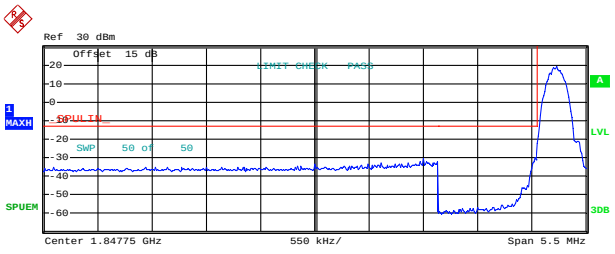


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909866 G	22.52	-12.48
1.910 G	1.911 G	3.00 k	1.910020 G	-22.56	-9.56
1.911 G	1.915 G	1.00 M	1.911012 G	-32.71	-19.71

Date: 24.AUG.2015 16:56:57

GSM1900 (EDGE class 8)

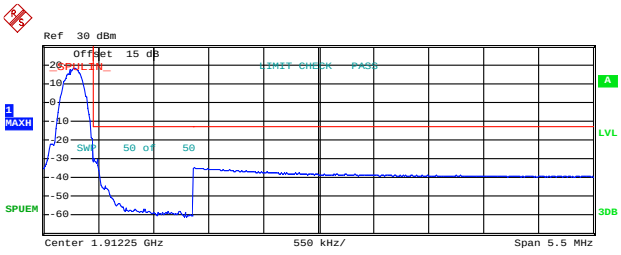
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848844 G	-30.76	-17.76
1.849 G	1.850 G	3.00 k	1.849984 G	-30.05	-17.05
1.850 G	1.851 G	10.00 k	1.850207 G	18.97	-16.03

Date: 24.AUG.2015 18:45:22

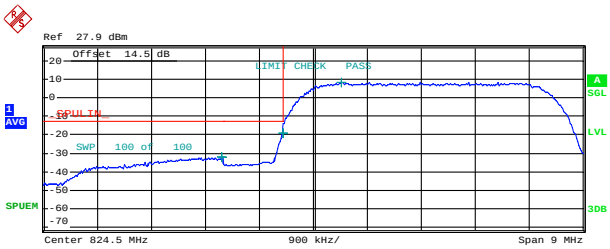
Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909800 G	18.17	-16.83
1.910 G	1.911 G	3.00 k	1.910004 G	-30.03	-17.03
1.911 G	1.915 G	1.00 M	1.911008 G	-34.82	-21.82

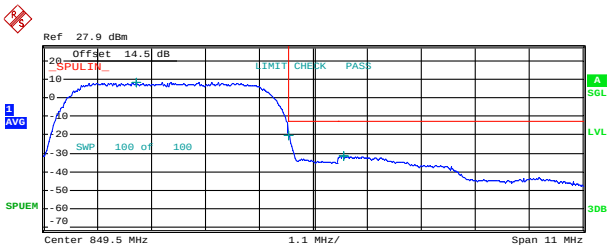
Date: 24.AUG.2015 18:47:00

WCDMA Band V (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.973000 M	-32.23	-19.23
823.000 M	824.000 M	50.00 k	823.996000 M	-19.30	-6.30
824.000 M	829.000 M	100.00 k	824.970000 M	8.52	-26.48

Date: 24.AUG.2015 18:02:02

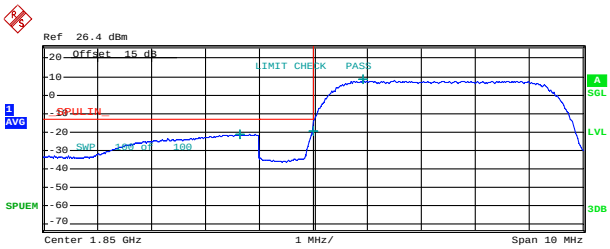


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
844.000 M	849.000 M	100.00 k	845.890000 M	8.49	-26.51
849.000 M	850.000 M	50.00 k	849.004000 M	-20.33	-7.33
850.000 M	855.000 M	100.00 k	850.105000 M	-31.19	-18.19

Date: 24.AUG.2015 17:58:57

WCDMA Band II (RMC 12.2Kbps)

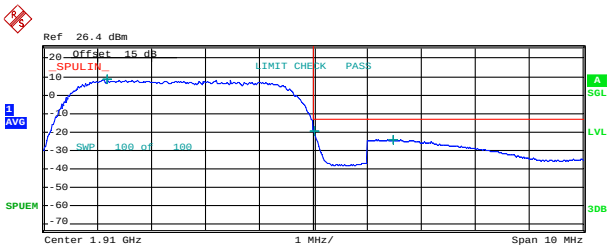
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848640 G	-21.22	-8.22
1.849 G	1.850 G	50.00 k	1.849992 G	-19.59	-6.59
1.850 G	1.855 G	100.00 k	1.850925 G	8.32	-26.68

Date: 24.AUG.2015 18:09:14

Highest Band Edge



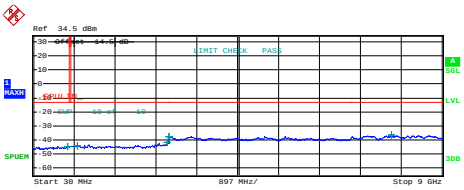
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.906175 G	8.39	-26.61
1.910 G	1.911 G	50.00 k	1.910016 G	-19.65	-6.65
1.911 G	1.915 G	1.00 M	1.911480 G	-24.15	-11.15

Date: 24.AUG.2015 18:05:39

Conducted Spurious Emission

GSM850 (GSM)

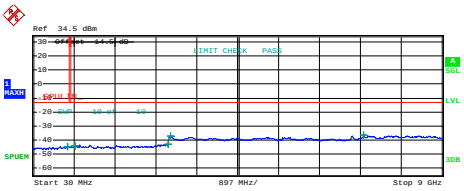
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	787.017500 M	-44.64	-31.64
855.000 M	1.000 G	1.00 M	999.746260 M	-44.30	-31.30
1.000 G	3.000 G	1.00 M	2.975000 G	-41.99	-28.99
3.000 G	7.000 G	1.00 M	3.014000 G	-37.59	-24.59
7.000 G	9.000 G	1.00 M	7.892500 G	-36.58	-23.58

Date: 24.AUG.2015 16:19:42

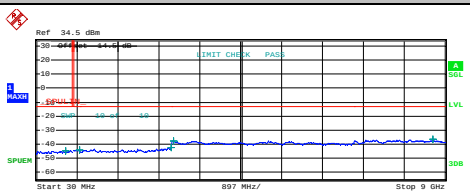
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	785.042500 M	-44.78	-31.78
855.000 M	1.000 G	1.00 M	953.273757 M	-43.97	-30.97
1.000 G	3.000 G	1.00 M	2.983000 G	-42.73	-29.73
3.000 G	7.000 G	1.00 M	3.036000 G	-37.37	-24.37
7.000 G	9.000 G	1.00 M	7.276000 G	-36.29	-23.29

Date: 24.AUG.2015 16:20:12

Highest Channel

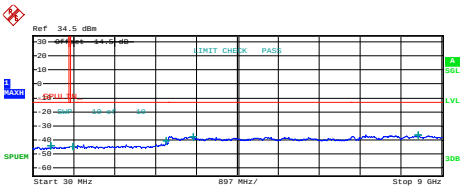


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	682.935000 M	-44.80	-31.80
855.000 M	1.000 G	1.00 M	982.853759 M	-43.88	-30.88
1.000 G	3.000 G	1.00 M	2.988500 G	-42.11	-29.11
3.000 G	7.000 G	1.00 M	3.037000 G	-37.56	-24.56
7.000 G	9.000 G	1.00 M	8.726000 G	-36.74	-23.74

Date: 24.AUG.2015 16:20:42

GSM850 (EDGE class 8)

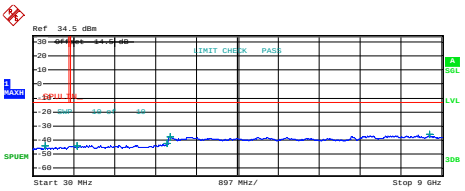
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	418.285000 M	-44.24	-31.24
855.000 M	1.000 G	1.00 M	906.185004 M	-44.52	-31.52
1.000 G	3.000 G	1.00 M	2.946000 G	-40.69	-27.69
3.000 G	7.000 G	1.00 M	3.555000 G	-37.97	-24.97
7.000 G	9.000 G	1.00 M	8.488000 G	-36.51	-23.51

Date: 24.AUG.2015 16:33:50

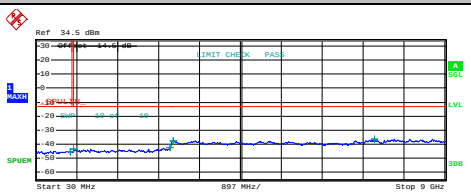
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	305.117500 M	-44.28	-31.28
855.000 M	1.000 G	1.00 M	990.867500 M	-44.22	-31.22
1.000 G	3.000 G	1.00 M	2.967000 G	-42.54	-29.54
3.000 G	7.000 G	1.00 M	3.037000 G	-37.53	-24.53
7.000 G	9.000 G	1.00 M	8.722500 G	-36.24	-23.24

Date: 24.AUG.2015 16:34:20

Highest Channel

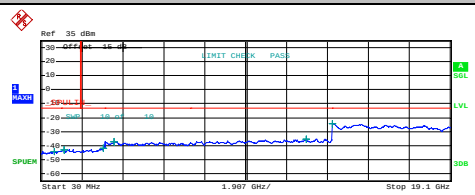


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	780.105000 M	-45.04	-32.04
855.000 M	1.000 G	1.00 M	856.921250 M	-43.78	-30.78
1.000 G	3.000 G	1.00 M	2.979500 G	-42.42	-29.42
3.000 G	7.000 G	1.00 M	3.040000 G	-37.63	-24.63
7.000 G	9.000 G	1.00 M	7.458000 G	-36.43	-23.43

Date: 24.AUG.2015 16:34:50

GSM1900 (GSM)

Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	638.432500 M	-44.13	-31.13
1.000 G	1.845 G	1.00 M	1.084500 G	-43.07	-30.07
1.915 G	3.000 G	1.00 M	2.929204 G	-41.77	-28.77
3.000 G	7.000 G	1.00 M	3.442000 G	-37.22	-24.22
7.000 G	13.600 G	1.00 M	12.380650 G	-35.40	-22.40
13.600 G	19.100 G	1.00 M	13.623375 G	-24.08	-11.08

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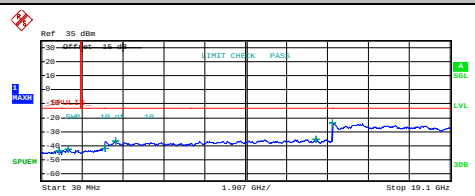
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	865.170000 M	-43.79	-30.79
1.000 G	1.845 G	1.00 M	1.279061 G	-42.64	-29.64
1.915 G	3.000 G	1.00 M	2.998372 G	-41.77	-28.77
3.000 G	7.000 G	1.00 M	3.497000 G	-36.60	-23.60
7.000 G	13.600 G	1.00 M	12.844300 G	-35.76	-22.76
13.600 G	19.100 G	1.00 M	13.603438 G	-23.98	-10.98

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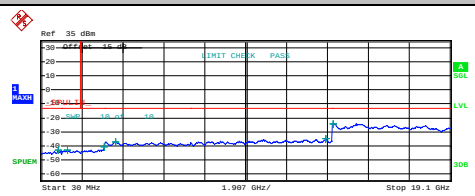
Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	837.040000 M	-43.24	-30.24
1.000 G	1.845 G	1.00 M	1.265753 G	-43.13	-30.13
1.915 G	3.000 G	1.00 M	2.962296 G	-40.88	-27.88
3.000 G	7.000 G	1.00 M	3.489000 G	-37.02	-24.02
7.000 G	13.600 G	1.00 M	13.307125 G	-34.92	-21.92
13.600 G	19.100 G	1.00 M	13.632312 G	-24.23	-11.23

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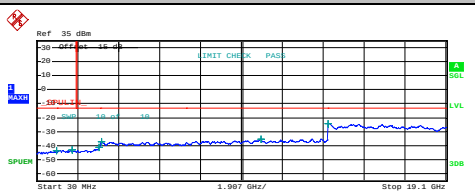
GSM1900 (EDGE class 8)

Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	939.617500 M	-43.77	-30.77
1.000 G	1.845 G	1.00 M	1.684239 G	-42.99	-29.99
1.915 G	3.000 G	1.00 M	2.937341 G	-41.46	-28.46
3.000 G	7.000 G	1.00 M	3.042000 G	-37.43	-24.43
7.000 G	13.600 G	1.00 M	10.474900 G	-35.52	-22.52
13.600 G	19.100 G	1.00 M	13.623375 G	-24.14	-11.14

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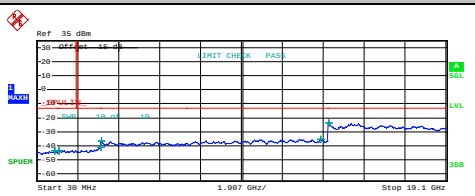
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	852.075000 M	-43.68	-30.68
1.000 G	1.845 G	1.00 M	1.067177 G	-43.50	-30.50
1.915 G	3.000 G	1.00 M	2.994846 G	-41.42	-28.42
3.000 G	7.000 G	1.00 M	3.036000 G	-36.76	-23.76
7.000 G	13.600 G	1.00 M	13.246900 G	-35.33	-22.33
13.600 G	19.100 G	1.00 M	13.633688 G	-23.80	-10.80

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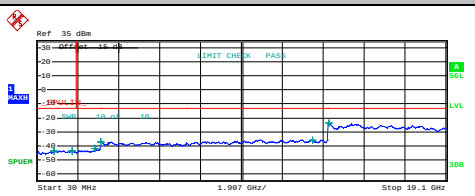
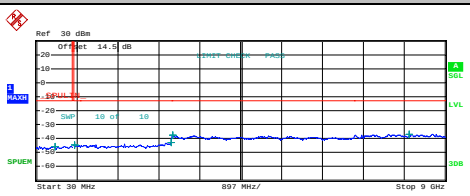
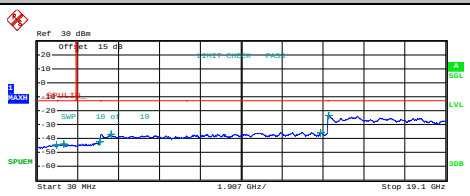
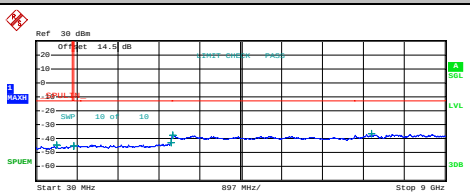
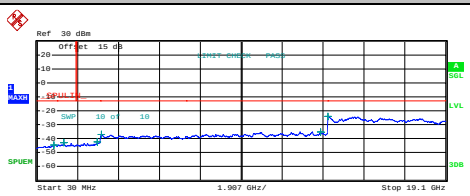
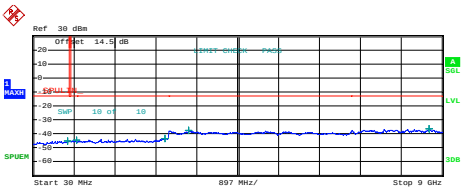
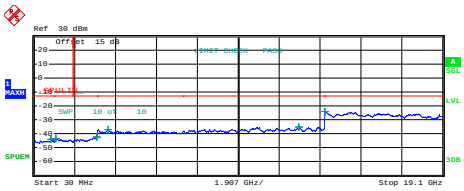
Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	814.002500 M	-43.75	-30.75
1.000 G	1.845 G	1.00 M	1.673043 G	-43.45	-30.45
1.915 G	3.000 G	1.00 M	2.738244 G	-42.03	-29.03
3.000 G	7.000 G	1.00 M	3.016000 G	-37.03	-24.03
7.000 G	13.600 G	1.00 M	12.888025 G	-35.81	-22.81
13.600 G	19.100 G	1.00 M	13.655688 G	-23.88	-10.88

Date: 24.AUG.2015 16:43:39

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 449.095000 M / -45.50 / -32.50 855.000 M / 1.000 G / 1.00 M / 880.773752 M / -44.80 / -31.80 1.000 G / 3.000 G / 1.00 M / 2.983500 G / -42.89 / -29.89 3.000 G / 7.000 G / 1.00 M / 3.020000 G / -37.76 / -24.76 7.000 G / 9.000 G / 1.00 M / 8.219500 G / -37.01 / -24.01	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 948.590000 M / -44.38 / -31.38 1.000 G / 1.845 G / 1.00 M / 1.278639 G / -43.92 / -30.92 1.915 G / 3.000 G / 1.00 M / 2.961754 G / -42.40 / -29.40 3.000 G / 7.000 G / 1.00 M / 3.498000 G / -36.89 / -23.89 7.000 G / 13.600 G / 1.00 M / 13.257625 G / -35.59 / -22.59 13.600 G / 19.100 G / 1.00 M / 13.637813 G / -23.76 / -10.76
Date: 24.AUG.2015 17:45:39	Date: 24.AUG.2015 17:17:59
Middle Channel	**Middle Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 483.262500 M / -44.61 / -31.61 855.000 M / 1.000 G / 1.00 M / 862.793751 M / -45.18 / -32.18 1.000 G / 3.000 G / 1.00 M / 2.982000 G / -42.90 / -29.90 3.000 G / 7.000 G / 1.00 M / 3.034000 G / -37.58 / -24.58 7.000 G / 9.000 G / 1.00 M / 7.382500 G / -36.54 / -23.54	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 843.587500 M / -44.41 / -31.41 1.000 G / 1.845 G / 1.00 M / 1.276049 G / -42.71 / -29.71 1.915 G / 3.000 G / 1.00 M / 2.848643 G / -42.45 / -29.45 3.000 G / 7.000 G / 1.00 M / 3.045000 G / -37.13 / -24.13 7.000 G / 13.600 G / 1.00 M / 13.268350 G / -35.42 / -22.42 13.600 G / 19.100 G / 1.00 M / 13.614437 G / -23.98 / -10.98
Date: 24.AUG.2015 17:46:09	Date: 24.AUG.2015 17:18:29
Highest Channel	**Highest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 785.635000 M / -45.24 / -32.24 855.000 M / 1.000 G / 1.00 M / 986.116259 M / -44.84 / -31.84 1.000 G / 3.000 G / 1.00 M / 2.923000 G / -43.12 / -30.12 3.000 G / 7.000 G / 1.00 M / 3.443000 G / -37.63 / -24.63 7.000 G / 9.000 G / 1.00 M / 8.719000 G / -36.63 / -23.63	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 847.225000 M / -43.85 / -30.85 1.000 G / 1.845 G / 1.00 M / 1.065276 G / -43.64 / -30.64 1.915 G / 3.000 G / 1.00 M / 2.979385 G / -42.38 / -29.38 3.000 G / 7.000 G / 1.00 M / 3.503000 G / -36.98 / -23.98 7.000 G / 13.600 G / 1.00 M / 12.392200 G / -35.31 / -22.31 13.600 G / 19.100 G / 1.00 M / 13.626813 G / -24.05 / -11.05
Date: 24.AUG.2015 17:46:38	Date: 24.AUG.2015 17:18:59

Frequency Stability

Test Conditions	Middle Channel	GSM850 (GSM)	GSM850 (EDGE class 8)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0251	0.0060	PASS
40	Normal Voltage	0.0239	0.0036	
30	Normal Voltage	0.0024	0.0024	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0012	0.0024	
0	Normal Voltage	0.0024	0.0239	
-10	Normal Voltage	0.0048	0.0263	
-20	Normal Voltage	0.0060	0.0251	
-30	Normal Voltage	0.0084	0.0275	
20	Maximum Voltage	0.0012	0.0036	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0024	0.0036	

Test Conditions	Middle Channel	GSM1900 (GSM)	GSM1900 (EDGE class 8)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)		Result
50	Normal Voltage	0.0060	0.0048	PASS
40	Normal Voltage	0.0036	0.0036	
30	Normal Voltage	0.0012	0.0012	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0024	0.0048	
0	Normal Voltage	0.0287	0.0299	
-10	Normal Voltage	0.0311	0.0323	
-20	Normal Voltage	0.0299	0.0359	
-30	Normal Voltage	0.0323	0.0371	
20	Maximum Voltage	0.0024	0.0012	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0012	0.0012	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.35 V

2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0084	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0143	
-10	Normal Voltage	0.0179	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0191	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0227	PASS
40	Normal Voltage	0.0203	
30	Normal Voltage	0.0191	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.35 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 GSM	31.02	1.2647	31.38	1.3740
Middle		30.60	1.1482	29.55	0.9016
Highest		29.09	0.8110	29.03	0.7998
Lowest	GSM850 EDGE class 8	23.89	0.2449	23.84	0.2421
Middle		23.31	0.2143	22.80	0.1905
Highest		21.12	0.1294	21.86	0.1535
Lowest	WCDMA Band V RMC 12.2Kbps	20.23	0.1054	18.74	0.0748
Middle		19.99	0.0998	18.13	0.0650
Highest		18.59	0.0723	17.90	0.0617
Limit	ERP < 7W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900 GSM	26.36	0.4325	27.04	0.5058
Middle		25.54	0.3581	26.72	0.4699
Highest		24.90	0.3090	26.45	0.4416
Lowest	GSM1900 EDGE class 8	22.83	0.1919	26.69	0.4667
Middle		22.81	0.1910	26.19	0.4159
Highest		22.25	0.1679	26.25	0.4217
Lowest	WCDMA Band II RMC 12.2Kbps	19.21	0.0834	20.58	0.1143
Middle		19.55	0.0902	19.96	0.0991
Highest		19.21	0.0834	19.14	0.0820
Limit	EIRP < 2W	Result		PASS	

Radiated Spurious Emission

GSM850 (GSM)									
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	1648.4	-25.70	-13	-12.70	-30.74	-29.52	0.53	6.50	H
	2472.6	-37.21	-13	-24.21	-44.73	-40.08	0.68	5.70	H
	3296.8	-50.64	-13	-37.64	-60.66	-55.68	0.81	8.00	H
	1648.4	-21.90	-13	-8.90	-28.25	-25.72	0.53	6.50	V
	2472.6	-38.12	-13	-25.12	-45.45	-40.99	0.68	5.70	V
	3296.8	-48.95	-13	-35.95	-58.65	-53.99	0.81	8.00	V
Middle	1672	-34.04	-13	-21.04	-39.07	-37.86	0.53	6.50	H
	2510	-40.18	-13	-27.18	-47.31	-43.05	0.68	5.70	H
	3346	-52.79	-13	-39.79	-62.81	-57.83	0.81	8.00	H
	1672	-30.79	-13	-17.79	-37.30	-34.61	0.53	6.50	V
	2510	-41.07	-13	-28.07	-48.11	-43.94	0.68	5.70	V
	3346	-52.01	-13	-39.01	-61.02	-57.05	0.81	8.00	V
Highest	1697.6	-41.15	-13	-28.15	-45.78	-44.97	0.53	6.50	H
	2546.4	-43.87	-13	-30.87	-50.69	-46.74	0.68	5.70	H
	3395.2	-55.21	-13	-42.21	-65.23	-60.25	0.81	8.00	H
	1697.6	-43.69	-13	-30.69	-49.30	-47.51	0.53	6.50	V
	2546.4	-49.12	-13	-36.12	-54.53	-51.99	0.68	5.70	V
	3395.2	-53.92	-13	-40.92	-62.93	-58.96	0.81	8.00	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	1648.4	-45.97	-13	-32.97	-50.16	-49.79	0.53	6.50	H
	2472.6	-58.23	-13	-45.23	-63.65	-61.10	0.68	5.70	H
	3296.8	-56.42	-13	-43.42	-66.44	-61.46	0.81	8.00	H
	1648.4	-44.15	-13	-31.15	-49.78	-47.97	0.53	6.50	V
	2472.6	-60.39	-13	-47.39	-64.71	-63.26	0.68	5.70	V
	3296.8	-56.69	-13	-43.69	-65.70	-61.73	0.81	8.00	V
Middle	1672	-37.92	-13	-24.92	-42.81	-41.74	0.53	6.50	H
	2510	-56.58	-13	-43.58	-62.00	-59.45	0.68	5.70	H
	3346	-55.49	-13	-42.49	-65.51	-60.53	0.81	8.00	H
	1672	-52.36	-13	-39.36	-55.87	-56.18	0.53	6.50	V
	2510	-57.99	-13	-44.99	-62.31	-60.86	0.68	5.70	V
	3346	-56.91	-13	-43.91	-65.92	-61.95	0.81	8.00	V
Highest	1697.6	-47.61	-13	-34.61	-51.47	-51.43	0.53	6.50	H
	2546.4	-58.61	-13	-45.61	-64.03	-61.48	0.68	5.70	H
	3395.2	-55.92	-13	-42.92	-65.94	-60.96	0.81	8.00	H
	1697.6	-49.90	-13	-36.90	-54.18	-53.72	0.53	6.50	V
	2546.4	-60.63	-13	-47.63	-64.95	-63.50	0.68	5.70	V
	3395.2	-57.04	-13	-44.04	-66.05	-62.08	0.81	8.00	V

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

GSM1900 (GSM)									
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	3700.4	-53.35	-13	-40.35	-66.12	-60.54	0.81	8.00	H
	5550.6	-48.44	-13	-35.44	-67.19	-58.43	1.01	11.00	H
	7400.8	-47.28	-13	-34.28	-69.45	-59.52	1.46	13.70	H
	3700.4	-53.76	-13	-40.76	-66.83	-60.95	0.81	8	V
	5550.6	-47.47	-13	-34.47	-66.53	-57.46	1.01	11	V
	7400.8	-47.78	-13	-34.78	-70.27	-60.02	1.46	13.7	V
Middle	3760	-53.39	-13	-40.39	-66.16	-60.58	0.81	8.00	H
	5640	-47.92	-13	-34.92	-66.67	-57.91	1.01	11.00	H
	7520	-48.30	-13	-35.30	-70.47	-60.54	1.46	13.70	H
	3760	-53.88	-13	-40.88	-66.95	-61.07	0.81	8	V
	5640	-46.84	-13	-33.84	-65.9	-56.83	1.01	11	V
	7520	-47.12	-13	-34.12	-69.61	-59.36	1.46	13.7	V
Highest	3819.6	-54.29	-13	-41.29	-67.06	-61.48	0.81	8.00	H
	5729.4	-47.81	-13	-34.81	-66.56	-57.80	1.01	11.00	H
	7639.2	-47.41	-13	-34.41	-69.58	-59.65	1.46	13.70	H
	3819.6	-54.15	-13	-41.15	-67.22	-61.34	0.81	8	V
	5729.4	-47.32	-13	-34.32	-66.38	-57.31	1.01	11	V
	7639.2	-46.96	-13	-33.96	-69.45	-59.20	1.46	13.7	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	3700.4	-53.71	-13	-40.71	-66.48	-60.90	0.81	8.00	H
	5550.6	-49.71	-13	-36.71	-68.46	-59.70	1.01	11.00	H
	7400.8	-46.38	-13	-33.38	-68.55	-58.62	1.46	13.70	H
	3700.4	-52.97	-13	-39.97	-66.04	-60.16	0.81	8	V
	5550.6	-49.66	-13	-36.66	-68.72	-59.65	1.01	11	V
	7400.8	-47.57	-13	-34.57	-70.06	-59.81	1.46	13.7	V
Middle	3760	-53.76	-13	-40.76	-66.53	-60.95	0.81	8.00	H
	5640	-49.56	-13	-36.56	-68.31	-59.55	1.01	11.00	H
	7520	-47.60	-13	-34.60	-69.77	-59.84	1.46	13.70	H
	3760	-52.59	-13	-39.59	-65.66	-59.78	0.81	8	V
	5640	-47.74	-13	-34.74	-66.8	-57.73	1.01	11	V
	7520	-47.74	-13	-34.74	-70.23	-59.98	1.46	13.7	V
Highest	3819.6	-53.32	-13	-40.32	-66.09	-60.51	0.81	8.00	H
	5729.4	-50.31	-13	-37.31	-69.06	-60.30	1.01	11.00	H
	7639.2	-47.05	-13	-34.05	-69.22	-59.29	1.46	13.70	H
	3819.6	-53.94	-13	-40.94	-67.01	-61.13	0.81	8	V
	5729.4	-49.45	-13	-36.45	-68.51	-59.44	1.01	11	V
	7639.2	-46.18	-13	-33.18	-68.67	-58.42	1.46	13.7	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	1652.8	-60.43	-13	-47.43	-62.98	-64.25	0.53	6.50	H
	2479.2	-58.84	-13	-45.84	-64.26	-61.71	0.68	5.70	H
	3305.6	-55.82	-13	-42.82	-65.84	-60.86	0.81	8.00	H
	1652.8	-60.36	-13	-47.36	-63.27	-64.18	0.53	6.50	V
	2479.2	-58.89	-13	-45.89	-63.21	-61.76	0.68	5.70	V
	3305.6	-57.01	-13	-44.01	-66.02	-62.05	0.81	8.00	V
Middle	1672	-59.89	-13	-46.89	-62.44	-63.71	0.53	6.50	H
	2510	-58.77	-13	-45.77	-64.19	-61.64	0.68	5.70	H
	3346	-56.00	-13	-43.00	-66.02	-61.04	0.81	8.00	H
	1672	-60.41	-13	-47.41	-63.32	-64.23	0.53	6.50	V
	2510	-59.93	-13	-46.93	-64.25	-62.80	0.68	5.70	V
	3346	-57.11	-13	-44.11	-66.12	-62.15	0.81	8.00	V
Highest	1693.2	-60.21	-13	-47.21	-62.76	-64.03	0.53	6.50	H
	2539.8	-58.75	-13	-45.75	-64.17	-61.62	0.68	5.70	H
	3386.4	-54.71	-13	-41.71	-64.73	-59.75	0.81	8.00	H
	1693.2	-60.36	-13	-47.36	-63.27	-64.18	0.53	6.50	V
	2539.8	-60.18	-13	-47.18	-64.50	-63.05	0.68	5.70	V
	3386.4	-56.53	-13	-43.53	-65.54	-61.57	0.81	8.00	V

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

WCDMA Band II(RMC 12.2Kbps)									
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	3704.8	-53.02	-13	-40.02	-65.79	-60.21	0.81	8.00	H
	5557.2	-49.52	-13	-36.52	-68.27	-59.51	1.01	11.00	H
	7409.6	-47.09	-13	-34.09	-69.26	-59.33	1.46	13.70	H
	3704.8	-52.80	-13	-39.80	-65.87	-59.99	0.81	8	V
	5557.2	-49.54	-13	-36.54	-68.6	-59.53	1.01	11	V
	7409.6	-46.90	-13	-33.90	-69.39	-59.14	1.46	13.7	V
Middle	3760	-54.01	-13	-41.01	-66.78	-61.20	0.81	8.00	H
	5640	-49.40	-13	-36.40	-68.15	-59.39	1.01	11.00	H
	7520	-46.91	-13	-33.91	-69.08	-59.15	1.46	13.70	H
	3760	-53.19	-13	-40.19	-66.26	-60.38	0.81	8	V
	5640	-48.76	-13	-35.76	-67.82	-58.75	1.01	11	V
	7520	-47.49	-13	-34.49	-69.98	-59.73	1.46	13.7	V
Highest	3815.2	-54.54	-13	-41.54	-67.31	-61.73	0.81	8.00	H
	5722.8	-50.07	-13	-37.07	-68.82	-60.06	1.01	11.00	H
	7630.4	-47.41	-13	-34.41	-69.58	-59.65	1.46	13.70	H
	3815.2	-53.75	-13	-40.75	-66.82	-60.94	0.81	8	V
	5722.8	-49.74	-13	-36.74	-68.8	-59.73	1.01	11	V
	7630.4	-47.06	-13	-34.06	-69.55	-59.30	1.46	13.7	V

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