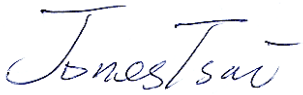
FCC RF Test Report

APPLICANT	:	HMD Global Oy
EQUIPMENT	:	Smart Phone
BRAND NAME	:	NOKIA
MODEL NAME	:	TA-1044
FCC ID	:	2AJOTTA-1044
STANDARD	:	FCC 47 CFR Part 2, 22(H), 24(E), 27(L)
CLASSIFICATION	:	PCS Licensed Transmitter Held to Ear (PCE)

The product was received on Jan. 20, 2017 and testing was completed on Feb. 09, 2017. 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-D-2010 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.
No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG712016A	Rev. 01	Initial issue of report	Mar. 24, 2017

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) §27.53(g)	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §24.238(a) §27.53(h)	Band Edge Measurement	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §24.238(a) §27.53(h)	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 §27.54		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	-
	§27.50(d)(4)	Equivalent Isotropic Radiated Power	< 1 Watts	PASS	-
4.5	§2.1053 §22.917(a) §24.238(a) §27.53(h)	Field Strength of Spurious Radiation	< 43+10log10(P[Watts])	PASS	Under limit 35.52 dB at 1672.000 MHz

1 General Description

1.1 Applicant

HMD Global Oy
Karaportti 2, 02610 Espoo, Finland

1.2 Manufacturer

HMD Global Oy
Karaportti 2, 02610 Espoo, Finland

1.3 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n, Ant.+, FM Receiver, NFC, and GPS.

Product Specification subjective to this standard	
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna Ant.+: PIFA Antenna GPS / Glonass / Beodou : Monopole Antenna NFC: Loop Antenna

1.4 Modification of EUT

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

1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW0007 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 1st 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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH11-HY

1.6 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), 27(L)
- ANSI / TIA / EIA-603-D-2010
- 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:

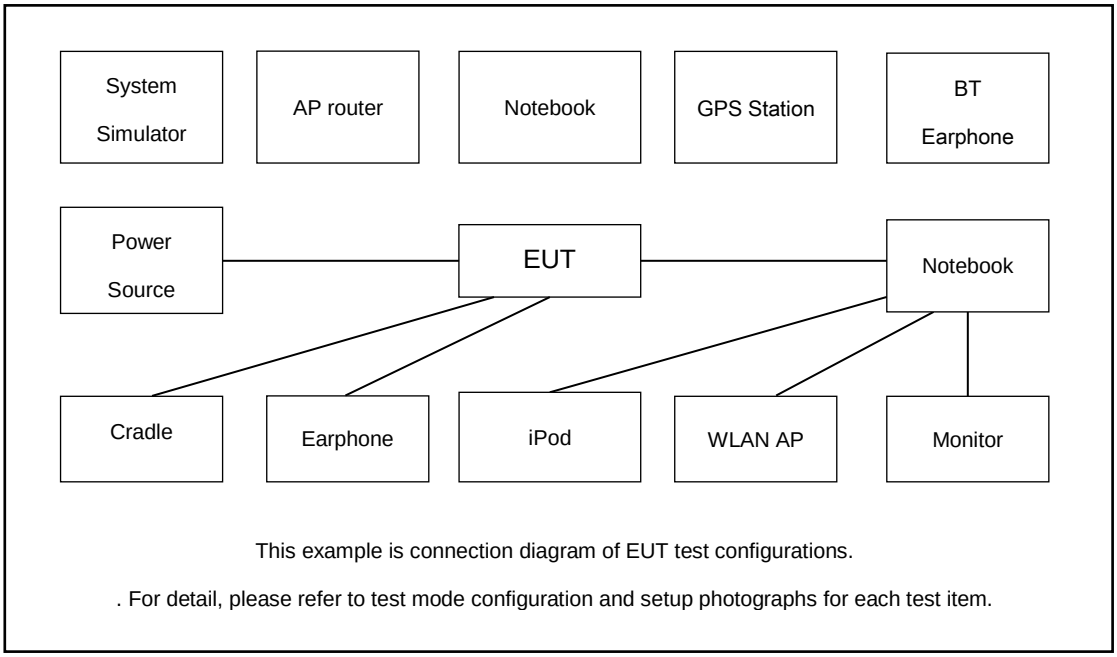
1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V.
2. 30 MHz to 18000 MHz for WCDMA Band IV.
3. 30 MHz to 19100 MHz for GSM1900 and WCDMA Band II.

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	■ GPRS class 8 Link ■ EDGE class 8 Link	■ GPRS class 8 Link ■ EDGE class 8 Link
GSM 1900	■ GPRS class 8 Link ■ EDGE class 8 Link	■ GPRS class 8 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
WCDMA Band IV	■ RMC 12.2Kbps Link	■ RMC 12.2Kbps Link

2.2 Connection Diagram of Test System



This example is connection diagram of EUT test configurations.

. For detail, please refer to test mode configuration and setup photographs for each test item.

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 :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

Frequency List				
Band	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
GSM850	Channel	128	189	251
	Frequency	824.2	836.4	848.8
WCDMA Band V	Channel	4132	4182	4233
	Frequency	826.4	836.4	846.6
GSM1900	Channel	512	661	810
	Frequency	1850.2	1880.0	1909.8
WCDMA Band II	Channel	9262	9400	9538
	Frequency	1852.4	1880.0	1907.6
WCDMA Band IV	Channel	1312	1413	1513
	Frequency	1712.4	1732.6	1752.6

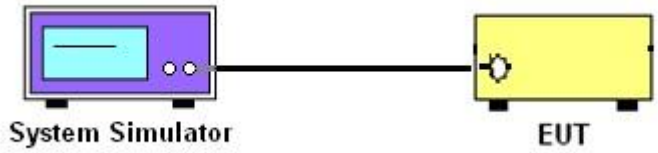
3 Conducted Test Result

3.1 Measuring Instruments

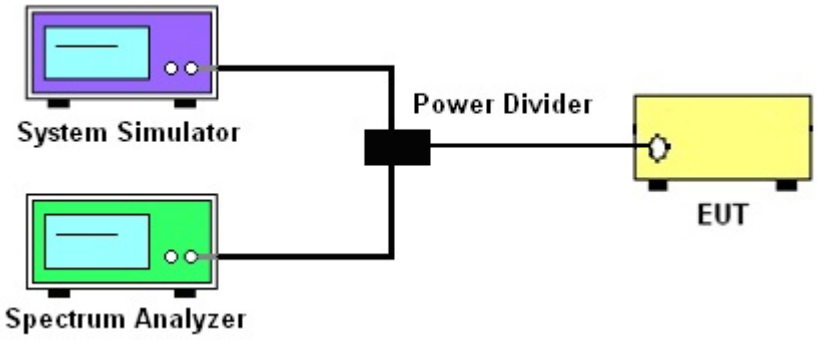
See list of measuring instruments of this test report.

3.2 Test Setup

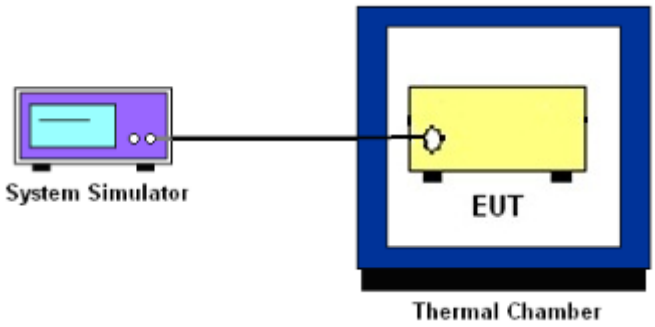
3.2.1 Conducted Output Power



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 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 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2 Test Procedures

1. The testing follows FCC KDB 971168 v02r02 Section 4.2.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
7. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
8. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “–X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

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)

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)

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 20±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.

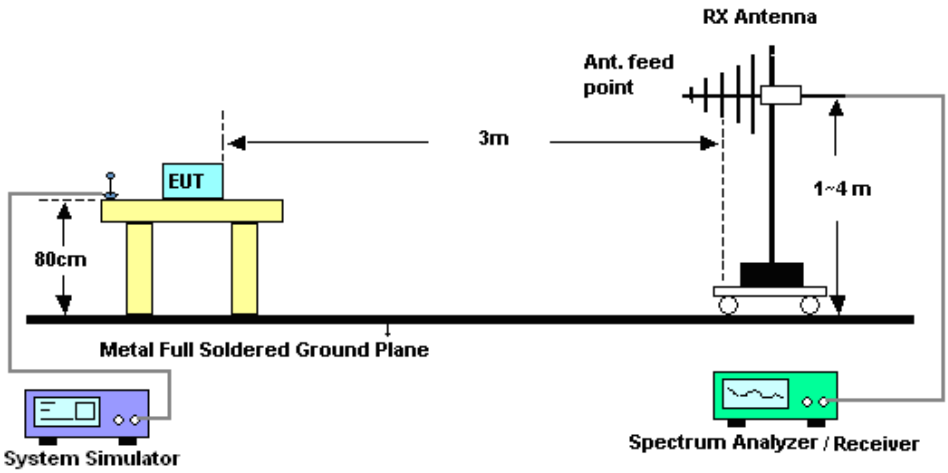
4 Radiated Test Items

4.1 Measuring Instruments

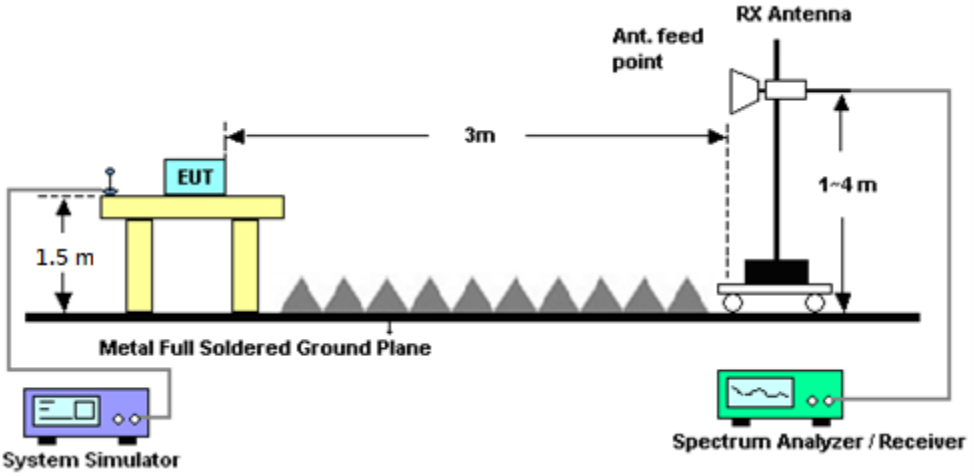
See list of measuring instruments of this test report.

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-D-2010, 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) and 1 Watts (AWS 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-D-2010 Section 2.2.17.
2. The EUT was placed on a non-conductive rotating platform (0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz) 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-D. 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-D-2010 Section 2.2.12.
2. The EUT was placed on a rotatable wooden table 0.8 meters for frequency below 1GHz and 1.5 meter for frequency above 1GHz 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)

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. 27, 2016	Feb. 09, 2017	Jun. 26, 2017	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-641	92013721	-30℃ ~70℃	Nov. 16, 2016	Feb. 09, 2017	Nov. 15, 2017	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL883644	Voltage:0~20V;Current:0~5A	Nov. 22, 2016	Feb. 09, 2017	Nov. 21, 2017	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117997	GSM / GPRS / WCDMA / CDMA	Aug. 05, 2016	Feb. 09, 2017	Aug. 04, 2017	Conducted (TH03-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 10, 2016	Feb. 07, 2017 ~ Feb. 08, 2017	Nov. 09, 2017	Radiation (03CH11-HY
Bilog Antenna	TESEQ	CBL 6111D&N-6-	35414&AT-N0602	30MHz~1GHz	Oct. 15, 2016	Feb. 07, 2017 ~ Feb. 08, 2017	Oct. 14, 2017	Radiation (03CH11-HY
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz ~ 18GHz	Oct. 07, 2016	Feb. 07, 2017 ~ Feb. 08, 2017	Oct. 06, 2017	Radiation (03CH11-HY
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 10, 2016	Feb. 07, 2017 ~ Feb. 08, 2017	Nov. 09, 2017	Radiation (03CH11-HY
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz ~ 44GHz	Oct. 12, 2016	Feb. 07, 2017 ~ Feb. 08, 2017	Oct. 11, 2017	Radiation (03CH11-HY
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 07, 2017 ~ Feb. 08, 2017	N/A	Radiation (03CH11-HY
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Feb. 07, 2017 ~ Feb. 08, 2017	N/A	Radiation (03CH11-HY
Preamplifier	MITEQ	JS44-18004000-33-8P	1840917	18GHz ~ 40GHz	Jun. 14, 2016	Feb. 07, 2017 ~ Feb. 08, 2017	Jun. 13, 2017	Radiation (03CH11-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))	**5.2**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.5**

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.2**

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	1909.8
GSM	32.65	32.73	32.72	29.60	29.86	30.04
GPRS class 8	32.66	**32.74**	32.73	29.61	29.87	**30.05**
GPRS class 10	28.34	28.23	28.35	27.52	27.67	27.92
GPRS class 11	27.50	27.36	27.37	26.49	26.65	26.97
GPRS class 12	26.36	26.26	26.20	25.33	25.60	25.82
EGPRS class 8	**26.18**	26.11	26.13	25.13	25.28	**25.53**
EGPRS class 10	24.97	25.03	25.01	23.95	24.20	24.42
EGPRS class 11	23.84	23.91	23.78	22.94	23.10	23.30
EGPRS class 12	21.61	21.66	21.79	21.83	22.00	22.28

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
RMC 12.2K	23.69	**23.75**	23.71	23.70	23.75	**23.97**
HSDPA Subtest-1	22.89	22.82	22.93	22.65	22.74	22.90
HSDPA Subtest-2	22.97	22.95	23.07	22.65	22.82	22.94
HSDPA Subtest-3	22.42	22.47	22.58	22.18	22.35	22.46
HSDPA Subtest-4	22.47	22.48	22.60	22.18	22.46	22.46
HSUPA Subtest-1	22.64	22.78	22.99	22.43	22.79	22.74
HSUPA Subtest-2	21.94	21.58	21.67	21.56	21.39	21.53
HSUPA Subtest-3	21.78	21.78	21.69	21.28	21.43	21.37
HSUPA Subtest-4	22.45	22.48	22.26	21.63	21.68	21.93
HSUPA Subtest-5	22.9	22.8	22.9	22.75	22.88	23

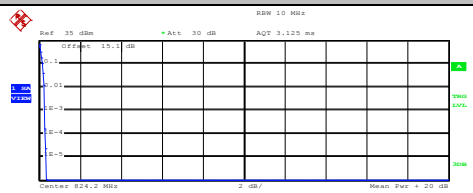
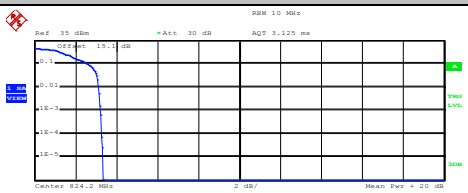
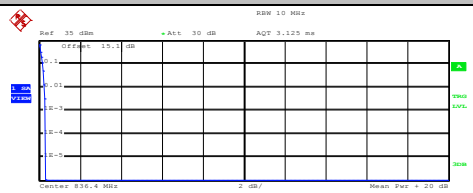
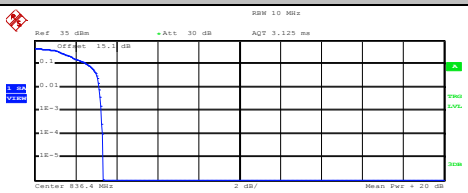
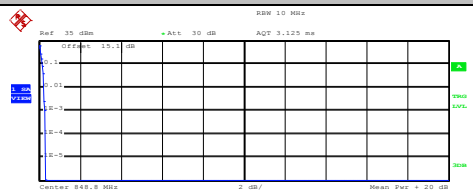
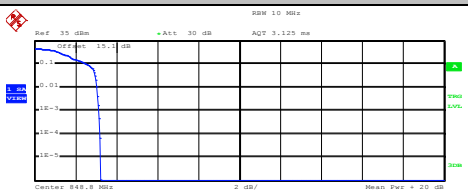
Conducted Power (*Unit: dBm)			
Band	**WCDMA Band IV**		
Channel	**1312**	**1413**	**1513**
Frequency	**1712.4**	**1732.6**	**1752.6**
RMC 12.2K	23.73	**23.98**	23.95
HSDPA Subtest-1	23.27	23.39	23.4
HSDPA Subtest-2	23.34	23.38	23.49
HSDPA Subtest-3	22.87	22.91	22.94
HSDPA Subtest-4	22.88	22.91	22.94
HSUPA Subtest-1	22.61	23.04	22.66
HSUPA Subtest-2	22	21.87	21.79
HSUPA Subtest-3	21.99	21.78	21.88
HSUPA Subtest-4	22.33	22.5	22.44
HSUPA Subtest-5	23.2	23.1	23.3

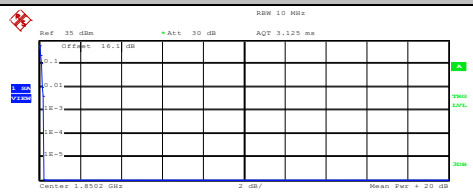
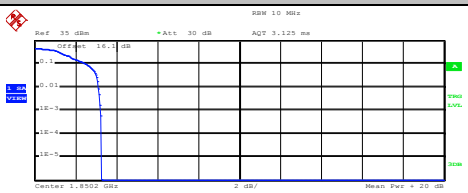
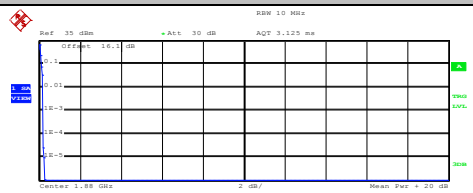
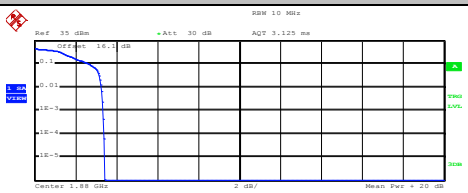
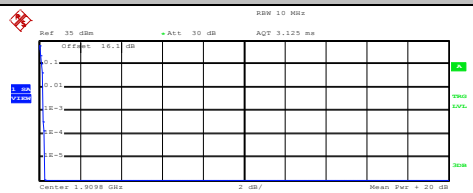
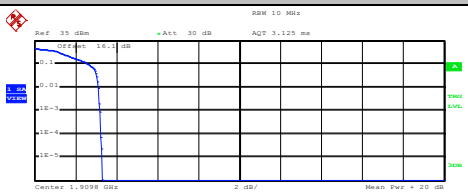
A1. GSM

Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.28	3.24	PASS
Middle CH	0.32	3.24	
Highest CH	0.28	3.16	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.24	PASS
Middle CH	0.20	3.36	
Highest CH	0.20	3.20	

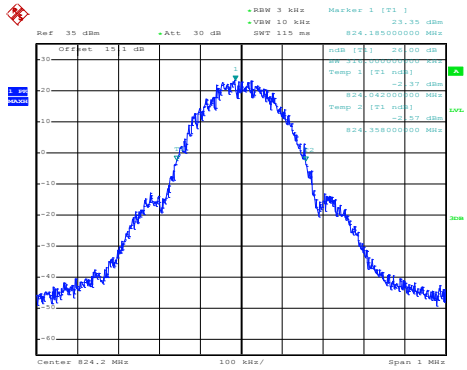
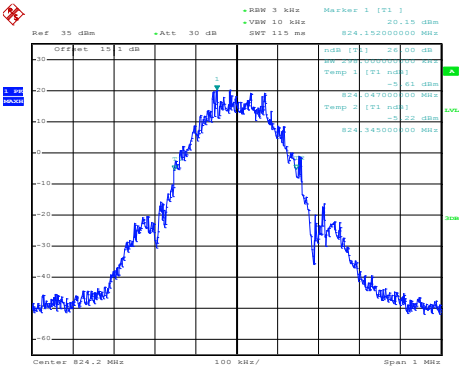
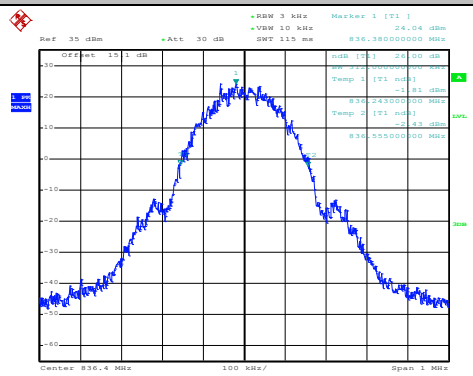
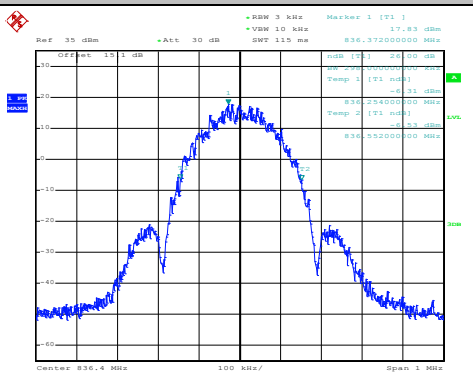
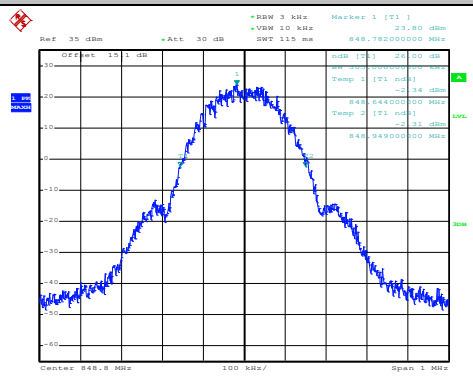
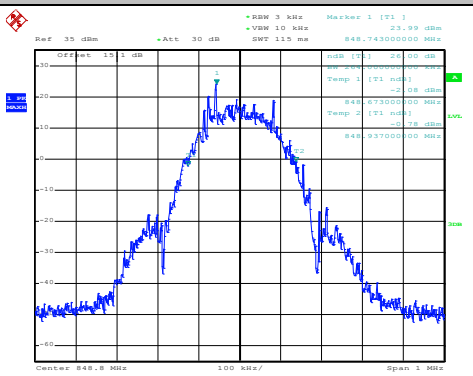
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.89 dBm Peak 32.22 dBm Crest 0.33 dB 10 % 0.16 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.28 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.42 dBm Peak 28.76 dBm Crest 3.34 dB 10 % 2.60 dB 1 % 3.12 dB .1 % 3.24 dB .01 % 3.28 dB
Date: 9.FEB.2017 09:49:50	Date: 9.FEB.2017 09:33:58
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.92 dBm Peak 32.22 dBm Crest 0.29 dB 10 % 0.16 dB 1 % 0.24 dB .1 % 0.32 dB .01 % 0.32 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.34 dBm Peak 28.69 dBm Crest 3.35 dB 10 % 2.56 dB 1 % 3.16 dB .1 % 3.24 dB .01 % 3.32 dB
Date: 9.FEB.2017 09:50:50	Date: 9.FEB.2017 09:34:20
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 31.98 dBm Peak 32.29 dBm Crest 0.31 dB 10 % 0.16 dB 1 % 0.24 dB .1 % 0.28 dB .01 % 0.32 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 25.49 dBm Peak 28.69 dBm Crest 3.20 dB 10 % 2.56 dB 1 % 3.04 dB .1 % 3.16 dB .01 % 3.20 dB
Date: 9.FEB.2017 09:54:25	Date: 9.FEB.2017 09:35:01

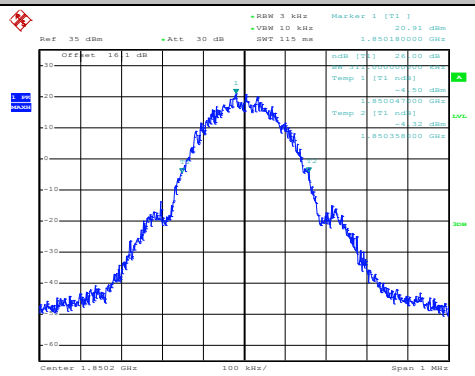
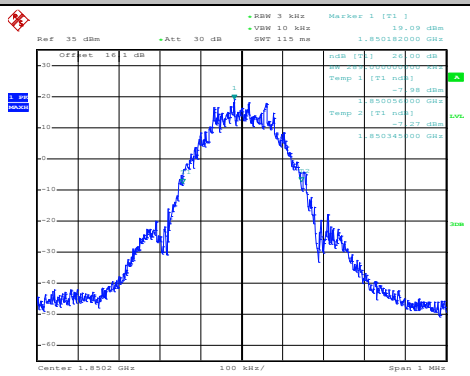
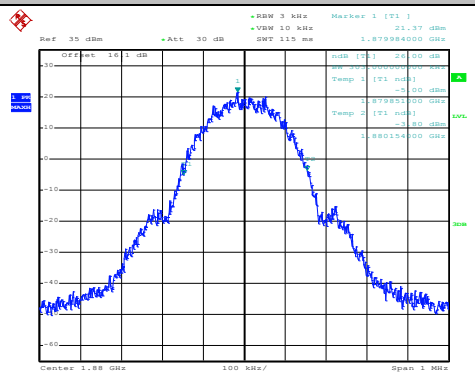
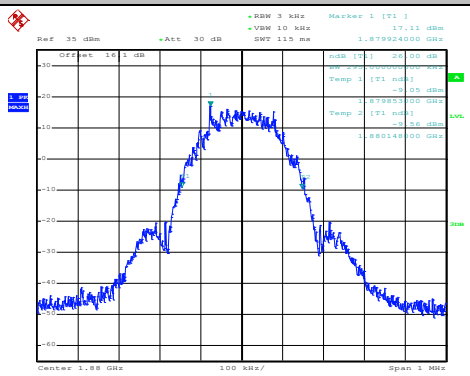
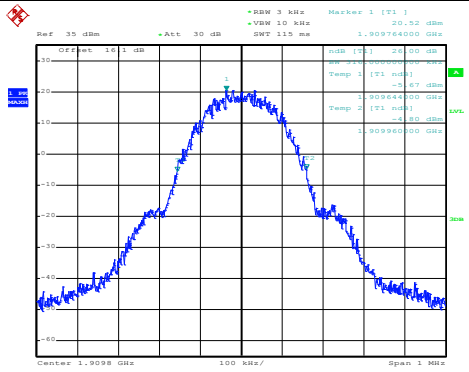
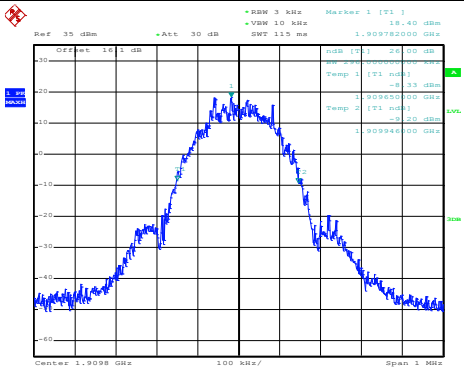
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.53 dBm Peak 28.76 dBm Crest 0.23 dB 10 % 0.12 dB 1 % 0.16 dB .1 % 0.24 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.16 dBm Peak 27.42 dBm Crest 3.26 dB 10 % 2.52 dB 1 % 3.12 dB .1 % 3.24 dB .01 % 3.28 dB
Date: 9.FEB.2017 10:22:56	Date: 9.FEB.2017 10:11:44
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.78 dBm Peak 29.04 dBm Crest 0.26 dB 10 % 0.12 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.20 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.30 dBm Peak 27.70 dBm Crest 3.40 dB 10 % 2.68 dB 1 % 3.28 dB .1 % 3.36 dB .01 % 3.40 dB
Date: 9.FEB.2017 10:23:19	Date: 9.FEB.2017 10:12:07
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 28.92 dBm Peak 29.18 dBm Crest 0.27 dB 10 % 0.12 dB 1 % 0.20 dB .1 % 0.20 dB .01 % 0.24 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 24.55 dBm Peak 27.84 dBm Crest 3.29 dB 10 % 2.64 dB 1 % 3.12 dB .1 % 3.20 dB .01 % 3.24 dB
Date: 9.FEB.2017 10:23:45	Date: 9.FEB.2017 10:12:30

26dB Bandwidth

Mode	GSM850 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.316	0.296
Middle CH	0.312	0.298
Highest CH	0.305	0.264

Mode	GSM1900 : 26dB BW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.311	0.289
Middle CH	0.303	0.295
Highest CH	0.316	0.296

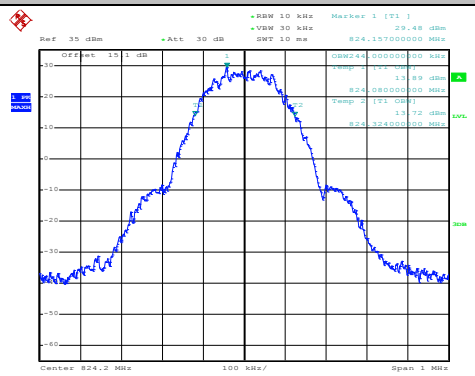
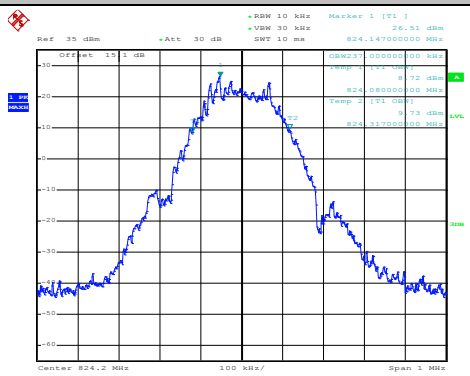
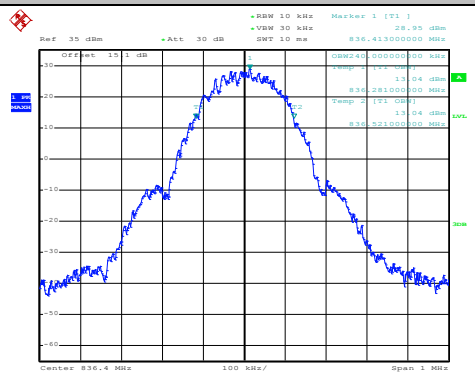
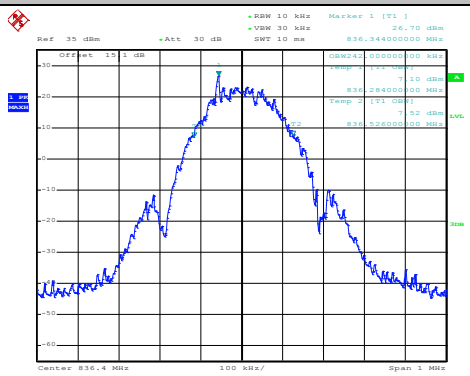
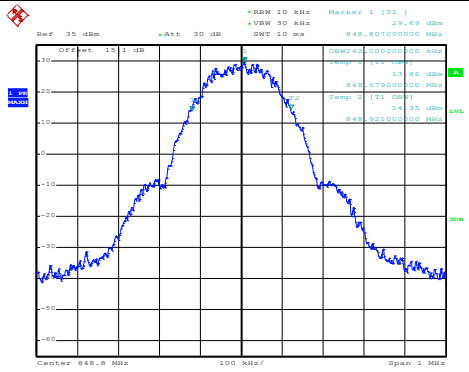
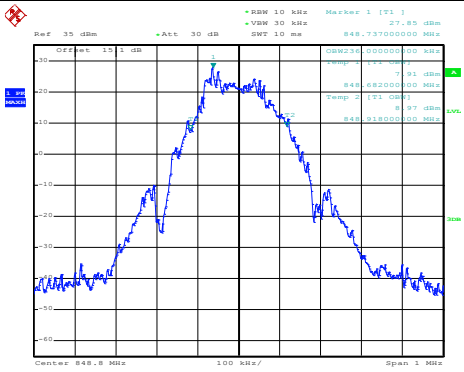
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 9.FEB.2017 09:39:39	Date: 9.FEB.2017 09:23:30
Middle Channel	**Middle Channel**
	
Date: 9.FEB.2017 09:40:07	Date: 9.FEB.2017 13:58:14
Highest Channel	**Highest Channel**
	
Date: 9.FEB.2017 09:40:36	Date: 9.FEB.2017 09:24:26

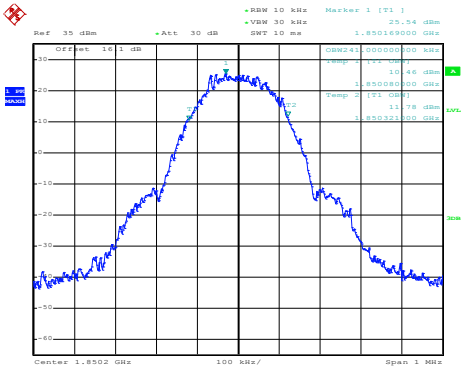
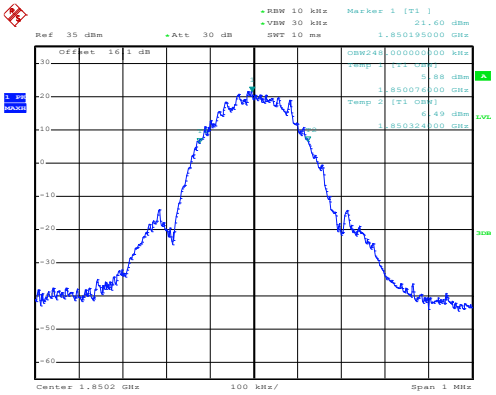
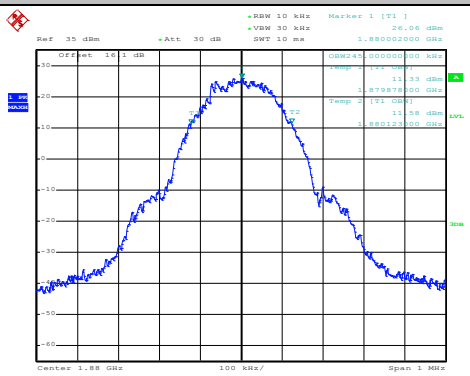
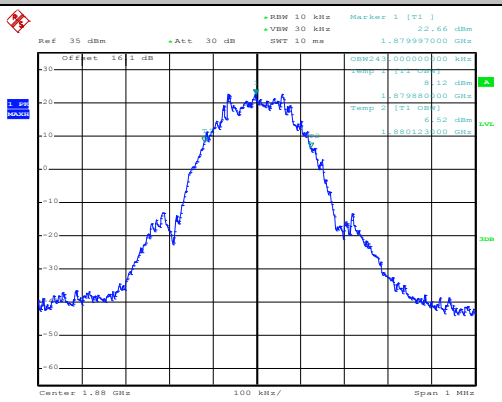
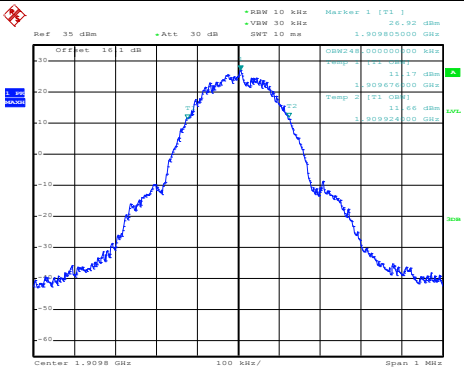
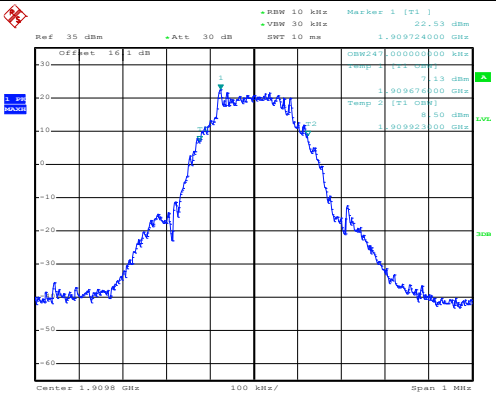
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 9.FEB.2017 10:14:19	Date: 9.FEB.2017 10:03:15
Middle Channel	**Middle Channel**
	
Date: 9.FEB.2017 10:14:47	Date: 9.FEB.2017 10:03:44
Highest Channel	**Highest Channel**
	
Date: 9.FEB.2017 10:15:15	Date: 9.FEB.2017 10:04:12

Occupied Bandwidth

Mode	GSM850 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.244	0.237
Middle CH	0.240	0.242
Highest CH	0.242	0.236

Mode	GSM1900 : 99%OBW(MHz)	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.241	0.248
Middle CH	0.245	0.243
Highest CH	0.248	0.247

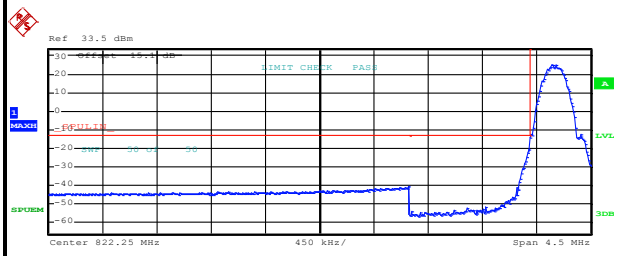
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 9.FEB.2017 09:41:43	Date: 9.FEB.2017 09:26:34
Middle Channel	**Middle Channel**
	
Date: 9.FEB.2017 09:42:11	Date: 9.FEB.2017 09:27:02
Highest Channel	**Highest Channel**
	
Date: 9.FEB.2017 09:42:40	Date: 9.FEB.2017 09:27:31

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 9.FEB.2017 10:15:47	Date: 9.FEB.2017 10:07:58
Middle Channel	**Middle Channel**
	
Date: 9.FEB.2017 10:16:15	Date: 9.FEB.2017 10:08:26
Highest Channel	**Highest Channel**
	
Date: 9.FEB.2017 10:16:43	Date: 9.FEB.2017 10:08:54

Conducted Band Edge

GSM850 (GPRS class 8)

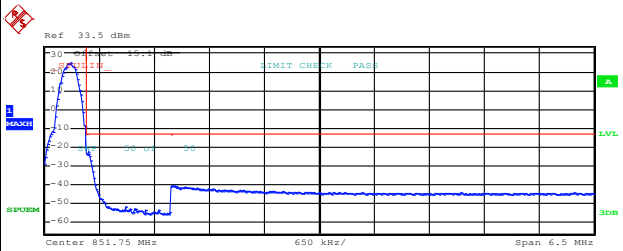
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.982000 M	-40.25	-27.25
823.000 M	824.000 M	3.00 k	823.988000 M	-20.64	-7.64
824.000 M	824.500 M	10.00 k	824.210000 M	25.05	-9.95

Date: 9.FEB.2017 09:44:10

Highest Band Edge

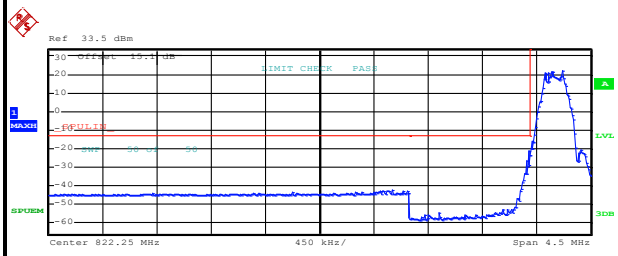


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.815000 M	24.75	-10.25
849.000 M	850.000 M	3.00 k	849.012000 M	-22.16	-9.16
850.000 M	855.000 M	100.00 k	850.040000 M	-40.57	-27.57

Date: 9.FEB.2017 09:45:38

GSM850 (EDGE class 8)

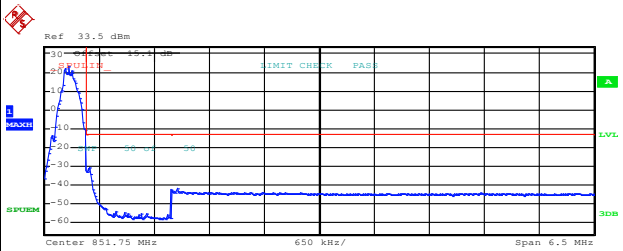
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.850000 M	-42.11	-29.11
823.000 M	824.000 M	3.00 k	823.988000 M	-21.19	-8.19
824.000 M	824.500 M	10.00 k	824.264000 M	21.96	-13.04

Date: 9.FEB.2017 09:29:11

Highest Band Edge

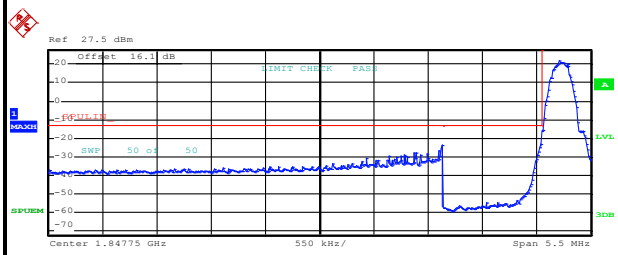


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.779500 M	23.41	-11.59
849.000 M	850.000 M	3.00 k	849.024000 M	-30.62	-17.62
850.000 M	855.000 M	100.00 k	850.065000 M	-41.88	-28.88

Date: 9.FEB.2017 09:30:38

GSM1900 (GPRS class 8)

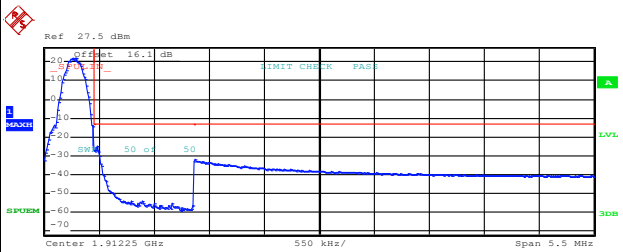
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848992 G	-23.86	-10.86
1.849 G	1.850 G	3.00 k	1.849984 G	-24.99	-11.99
1.850 G	1.851 G	10.00 k	1.850181 G	21.82	-13.18

Date: 9.FEB.2017 10:18:24

Highest Band Edge

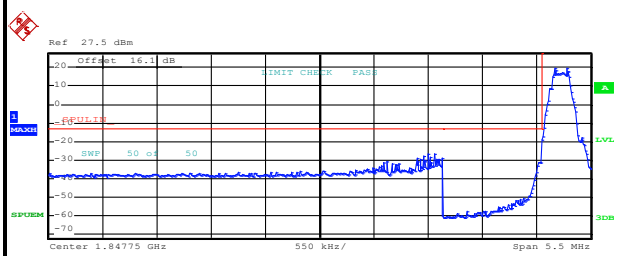


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909812 G	22.02	-12.98
1.910 G	1.911 G	3.00 k	1.910024 G	-24.65	-11.65
1.911 G	1.915 G	1.00 M	1.911008 G	-32.12	-19.12

Date: 9.FEB.2017 10:19:52

GSM1900 (EDGE class 8)

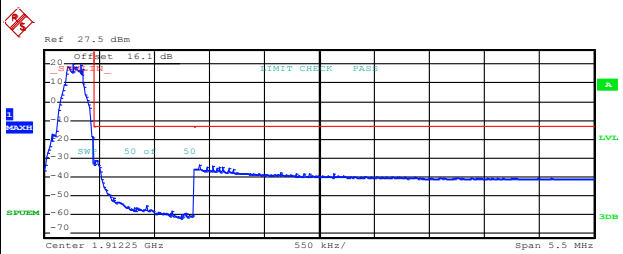
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848912 G	-26.37	-13.37
1.849 G	1.850 G	3.00 k	1.849988 G	-30.99	-17.99
1.850 G	1.851 G	10.00 k	1.850261 G	19.85	-15.15

Date: 9.FEB.2017 10:05:56

Highest Band Edge



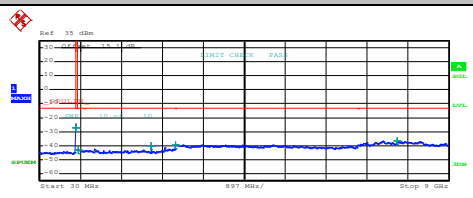
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909781 G	20.20	-14.80
1.910 G	1.911 G	3.00 k	1.910016 G	-31.13	-18.13
1.911 G	1.915 G	1.00 M	1.911044 G	-33.63	-20.63

Date: 9.FEB.2017 10:07:23

Conducted Spurious Emission

GSM850 (GPRS class 8)

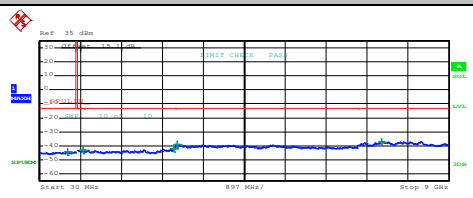
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-27.17	-14.17
855.000 M	1.000 G	1.00 M	869.898751 M	-42.93	-29.93
1.000 G	3.000 G	1.00 M	2.473000 G	-40.25	-27.25
3.000 G	7.000 G	1.00 M	3.003000 G	-39.43	-26.43
7.000 G	9.000 G	1.00 M	7.878500 G	-36.80	-23.80

Date: 9.FEB.2017 09:46:36

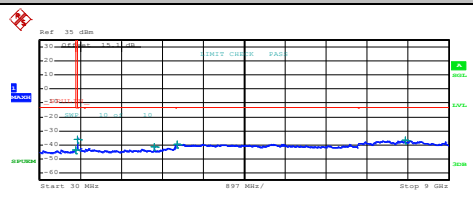
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	641.855000 M	-44.43	-31.43
855.000 M	1.000 G	1.00 M	977.633758 M	-42.97	-29.97
1.000 G	3.000 G	1.00 M	2.968500 G	-41.97	-28.97
3.000 G	7.000 G	1.00 M	3.051000 G	-39.22	-26.22
7.000 G	9.000 G	1.00 M	7.521500 G	-36.96	-23.96

Date: 9.FEB.2017 09:47:21

Highest Channel

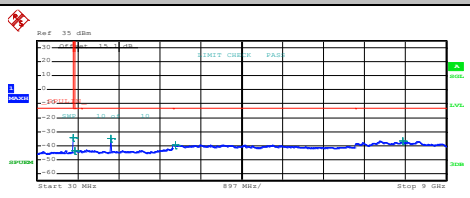


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	814.865000 M	-43.61	-30.61
855.000 M	1.000 G	1.00 M	855.036250 M	-35.87	-22.87
1.000 G	3.000 G	1.00 M	2.547000 G	-41.34	-28.34
3.000 G	7.000 G	1.00 M	3.051000 G	-39.54	-26.54
7.000 G	9.000 G	1.00 M	8.051500 G	-36.79	-23.79

Date: 9.FEB.2017 09:48:07

GSM850 (EDGE class 8)

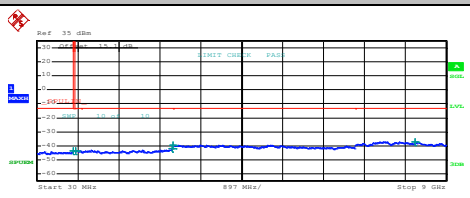
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-34.23	-21.23
855.000 M	1.000 G	1.00 M	855.507500 M	-43.41	-30.41
1.000 G	3.000 G	1.00 M	1.648000 G	-34.88	-21.88
3.000 G	7.000 G	1.00 M	3.057000 G	-39.36	-26.36
7.000 G	9.000 G	1.00 M	8.047500 G	-36.66	-23.66

Date: 9.FEB.2017 09:31:38

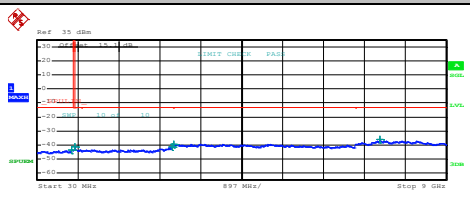
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.210000 M	-43.94	-30.94
855.000 M	1.000 G	1.00 M	867.071251 M	-43.39	-30.39
1.000 G	3.000 G	1.00 M	2.990500 G	-41.88	-28.88
3.000 G	7.000 G	1.00 M	3.008000 G	-39.49	-26.49
7.000 G	9.000 G	1.00 M	8.325000 G	-37.06	-24.06

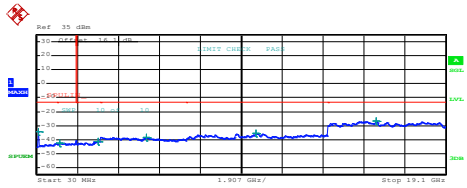
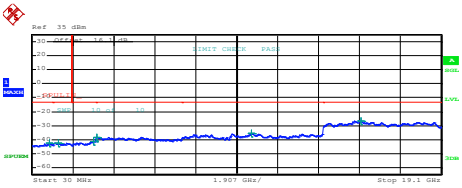
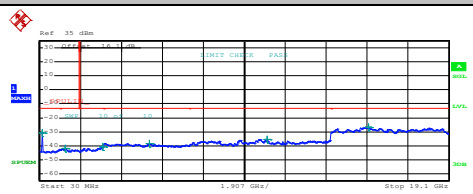
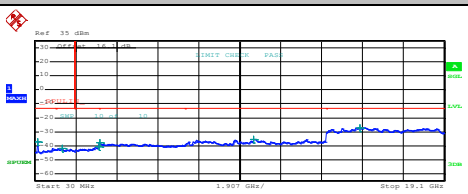
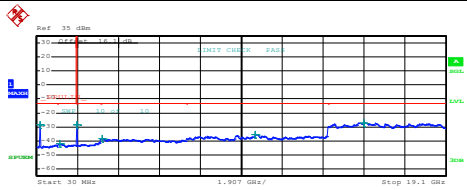
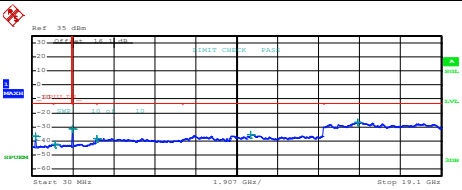
Date: 9.FEB.2017 09:32:23

Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	782.080000 M	-43.58	-30.58
855.000 M	1.000 G	1.00 M	855.108750 M	-41.43	-28.43
1.000 G	3.000 G	1.00 M	2.992500 G	-41.53	-28.53
3.000 G	7.000 G	1.00 M	3.025000 G	-39.29	-26.29
7.000 G	9.000 G	1.00 M	7.539500 G	-36.31	-23.31

Date: 9.FEB.2017 09:33:09

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 111.965000 M / -34.34 / -21.34 1.000 G / 1.845 G / 1.00 M / 1.098443 G / -42.33 / -29.33 1.915 G / 3.000 G / 1.00 M / 2.880650 G / -41.15 / -28.15 3.000 G / 7.000 G / 1.00 M / 5.145000 G / -38.50 / -25.50 7.000 G / 13.600 G / 1.00 M / 10.259575 G / -35.69 / -22.69 13.600 G / 19.100 G / 1.00 M / 15.842625 G / -26.91 / -13.91	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 837.767500 M / -42.72 / -29.72 1.000 G / 1.845 G / 1.00 M / 1.234276 G / -42.42 / -29.42 1.915 G / 3.000 G / 1.00 M / 2.891229 G / -41.20 / -28.20 3.000 G / 7.000 G / 1.00 M / 3.042000 G / -38.30 / -25.30 7.000 G / 13.600 G / 1.00 M / 10.246375 G / -35.55 / -22.55 13.600 G / 19.100 G / 1.00 M / 15.363438 G / -26.79 / -13.79
Date: 9.FEB.2017 10:20:45	Date: 9.FEB.2017 10:09:46
Middle Channel	**Middle Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 141.792500 M / -30.71 / -17.71 1.000 G / 1.845 G / 1.00 M / 1.221813 G / -41.92 / -28.92 1.915 G / 3.000 G / 1.00 M / 2.949548 G / -40.73 / -27.73 3.000 G / 7.000 G / 1.00 M / 5.129000 G / -38.12 / -25.12 7.000 G / 13.600 G / 1.00 M / 10.615150 G / -35.18 / -22.18 13.600 G / 19.100 G / 1.00 M / 15.348313 G / -26.91 / -13.91	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 141.550000 M / -37.21 / -24.21 1.000 G / 1.845 G / 1.00 M / 1.269978 G / -42.12 / -29.12 1.915 G / 3.000 G / 1.00 M / 2.988336 G / -40.81 / -27.81 3.000 G / 7.000 G / 1.00 M / 3.037000 G / -37.99 / -24.99 7.000 G / 13.600 G / 1.00 M / 10.208425 G / -35.33 / -22.33 13.600 G / 19.100 G / 1.00 M / 15.173688 G / -27.01 / -14.01
Date: 9.FEB.2017 10:21:32	Date: 9.FEB.2017 10:10:31
Highest Channel	**Highest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 171.620000 M / -28.25 / -15.25 1.000 G / 1.845 G / 1.00 M / 1.091682 G / -41.99 / -28.99 1.915 G / 3.000 G / 1.00 M / 1.915271 G / -28.49 / -15.49 3.000 G / 7.000 G / 1.00 M / 3.077000 G / -38.23 / -25.23 7.000 G / 13.600 G / 1.00 M / 10.212550 G / -35.25 / -22.25 13.600 G / 19.100 G / 1.00 M / 15.276125 G / -27.03 / -14.03	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 171.377500 M / -36.72 / -23.72 1.000 G / 1.845 G / 1.00 M / 1.105203 G / -42.36 / -29.36 1.915 G / 3.000 G / 1.00 M / 1.915271 G / -31.63 / -18.63 3.000 G / 7.000 G / 1.00 M / 3.027000 G / -38.44 / -25.44 7.000 G / 13.600 G / 1.00 M / 10.222450 G / -35.42 / -22.42 13.600 G / 19.100 G / 1.00 M / 15.203938 G / -26.84 / -13.84
Date: 9.FEB.2017 10:22:18	Date: 9.FEB.2017 10:11:17

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	0.0000	0.0108	PASS
40	Normal Voltage	0.0072	0.0084	
30	Normal Voltage	0.0024	0.0167	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0072	0.0072	
0	Normal Voltage	0.0108	0.0048	
-10	Normal Voltage	0.0108	0.0120	
-20	Normal Voltage	0.0012	0.0132	
-30	Normal Voltage	0.0084	0.0120	
20	Maximum Voltage	0.0012	0.0024	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0036	0.0048	

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	0.0340	0.0149	PASS
40	Normal Voltage	0.0324	0.0293	
30	Normal Voltage	0.0314	0.0261	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0324	0.0005	
0	Normal Voltage	0.0314	0.0021	
-10	Normal Voltage	0.0021	0.0287	
-20	Normal Voltage	0.0016	0.0021	
-30	Normal Voltage	0.0027	0.0043	
20	Maximum Voltage	0.0239	0.0032	
20	Normal Voltage	0.0000	0.0000	
20	Battery End Point	0.0000	0.0005	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.2 V

2. The frequency fundamental emissions stay within the authorized frequency block.

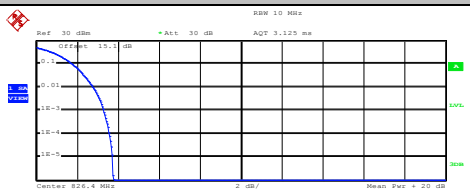
A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.32	3.16	3.12	PASS
Middle CH	3.52	3.32	2.88	
Highest CH	3.44	3.12	3.28	

WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



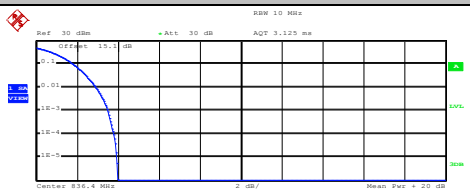
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	22.12 dBm
Peak	25.88 dBm
Crest	3.76 dB
10 %	1.76 dB
1 %	2.80 dB
.1 %	3.32 dB
.01 %	3.56 dB

Date: 9.FEB.2017 10:47:14

Middle Channel



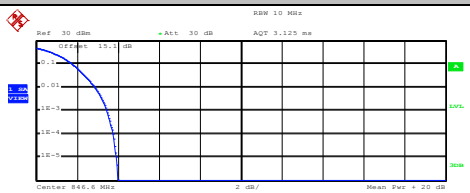
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	22.10 dBm
Peak	26.09 dBm
Crest	3.99 dB
10 %	1.80 dB
1 %	2.92 dB
.1 %	3.52 dB
.01 %	3.80 dB

Date: 9.FEB.2017 10:47:28

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

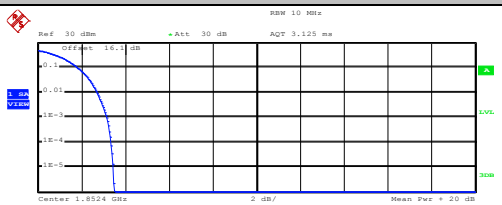
Trace 1

Mean	22.10 dBm
Peak	26.09 dBm
Crest	3.99 dB
10 %	1.76 dB
1 %	2.88 dB
.1 %	3.44 dB
.01 %	3.76 dB

Date: 9.FEB.2017 10:47:40

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



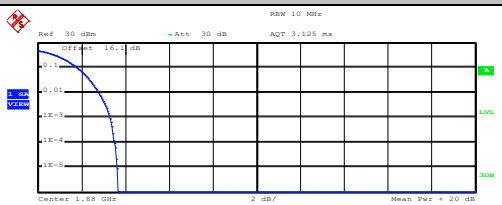
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	22.25 dBm
Peak	25.74 dBm
Crest	3.48 dB
10 %	1.84 dB
1 %	2.72 dB
.1 %	3.16 dB
.01 %	3.36 dB

Date: 9.FEB.2017 11:13:23

Middle Channel



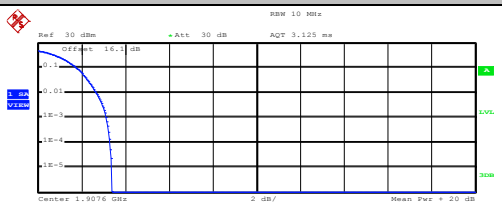
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	22.42 dBm
Peak	26.09 dBm
Crest	3.67 dB
10 %	1.80 dB
1 %	2.80 dB
.1 %	3.32 dB
.01 %	3.52 dB

Date: 9.FEB.2017 11:13:39

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

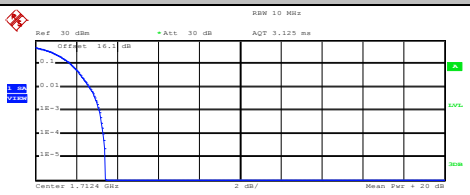
Trace 1

Mean	22.56 dBm
Peak	25.95 dBm
Crest	3.39 dB
10 %	1.76 dB
1 %	2.68 dB
.1 %	3.12 dB
.01 %	3.32 dB

Date: 9.FEB.2017 11:13:54

WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel

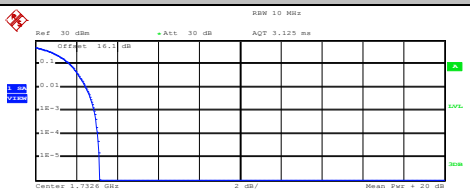


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.94 dBm
Peak	26.37 dBm
Crest	3.43 dB
10 %	1.72 dB
1 %	2.64 dB
.1 %	3.12 dB
.01 %	3.32 dB

Date: 9.FEB.2017 11:27:10

Middle Channel

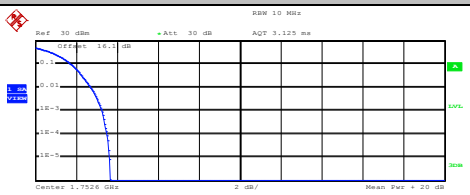


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.89 dBm
Peak	26.02 dBm
Crest	3.13 dB
10 %	1.68 dB
1 %	2.48 dB
.1 %	2.88 dB
.01 %	3.04 dB

Date: 9.FEB.2017 11:27:19

Highest Channel



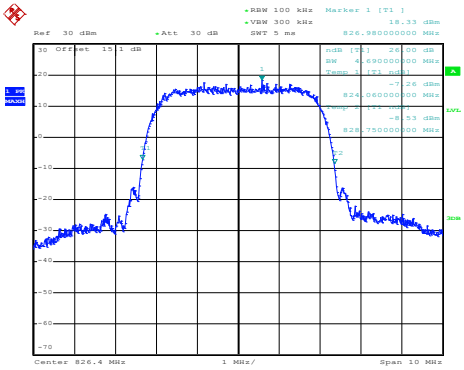
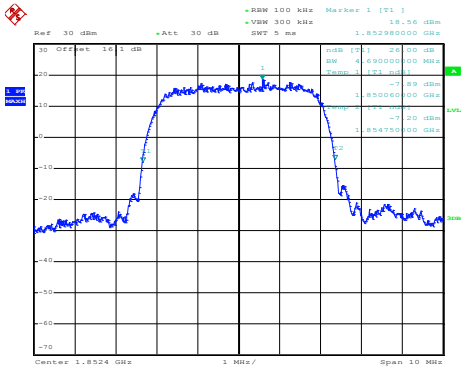
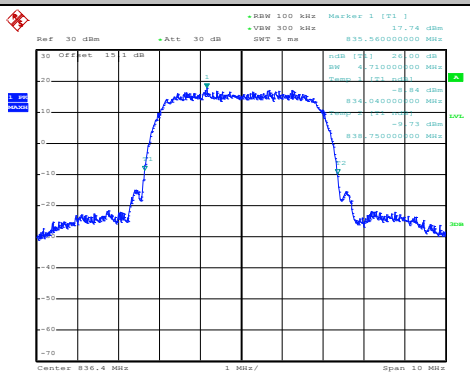
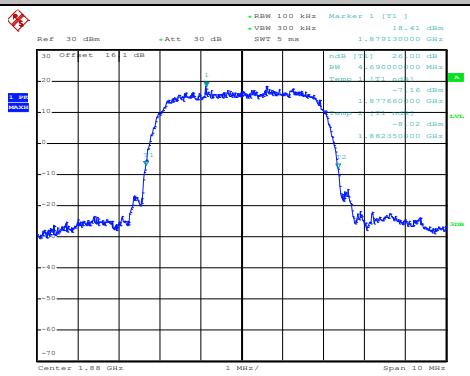
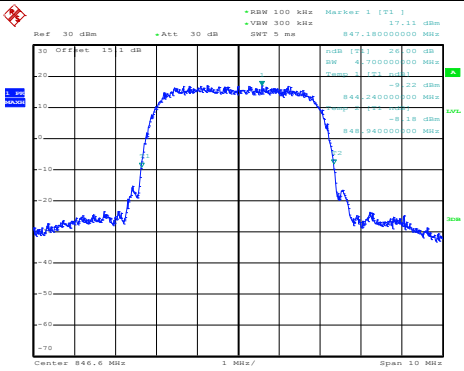
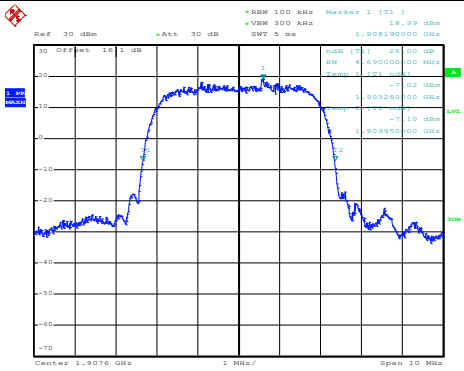
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	22.85 dBm
Peak	26.51 dBm
Crest	3.66 dB
10 %	1.76 dB
1 %	2.72 dB
.1 %	3.28 dB
.01 %	3.52 dB

Date: 9.FEB.2017 11:27:30

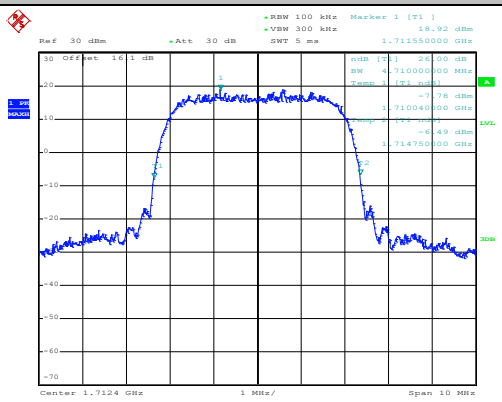
26dB Bandwidth

Mode	WCDMA Band V 26dB BW(MHz)	WCDMA Band II 26dB BW(MHz)	WCDMA Band IV 26dB BW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.69	4.69	4.71
Middle CH	4.71	4.69	4.71
Highest CH	4.70	4.69	4.69

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Date: 9.FEB.2017 10:31:06	Date: 9.FEB.2017 10:59:47
Middle Channel	**Middle Channel**
	
Date: 9.FEB.2017 10:31:34	Date: 9.FEB.2017 11:01:02
Highest Channel	**Highest Channel**
	
Date: 9.FEB.2017 10:32:02	Date: 9.FEB.2017 11:01:38

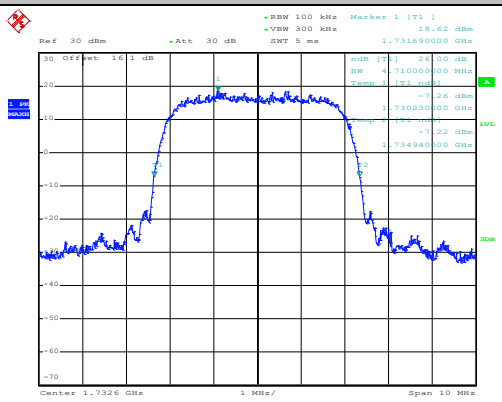
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



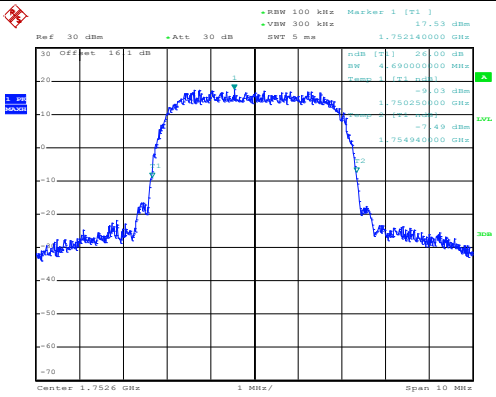
Date: 9.FEB.2017 11:15:37

Middle Channel



Date: 9.FEB.2017 11:16:06

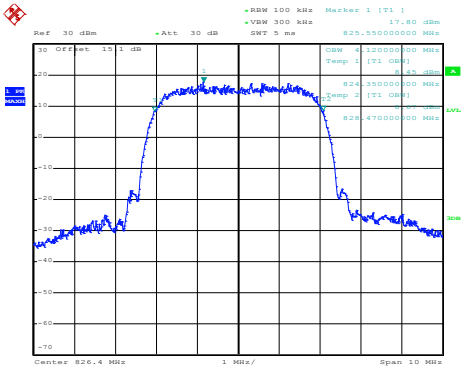
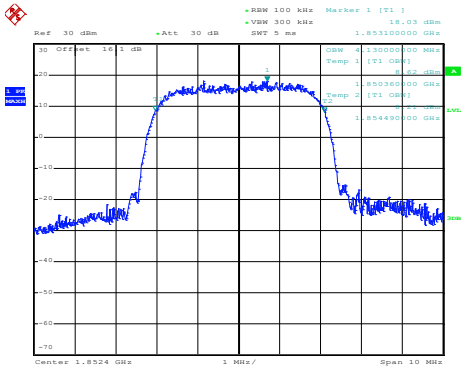
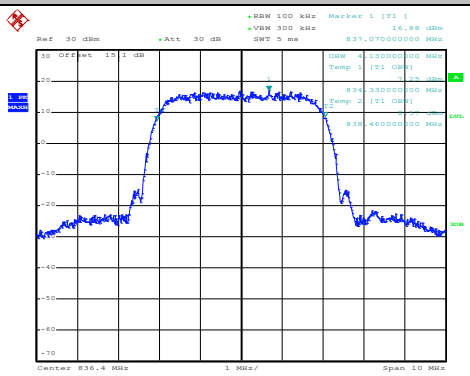
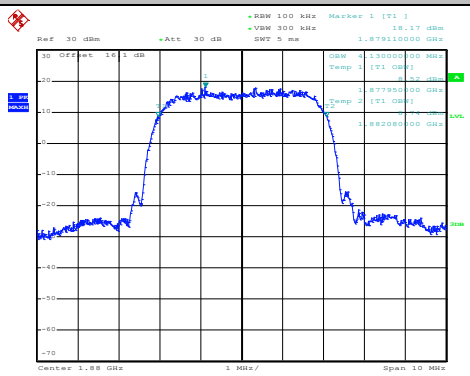
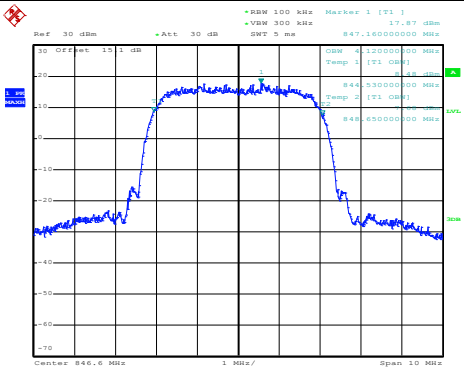
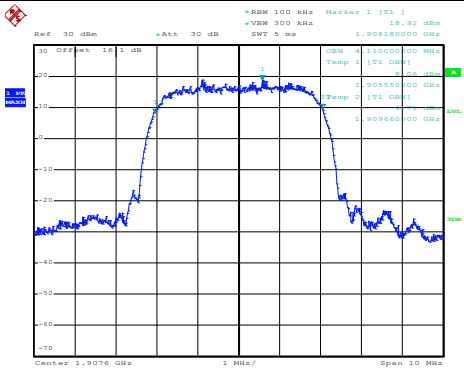
Highest Channel



Date: 9.FEB.2017 11:16:35

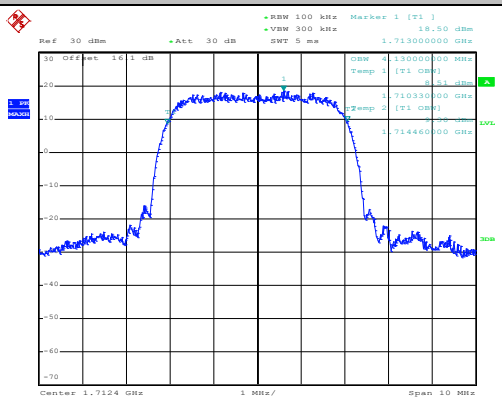
Occupied Bandwidth

Mode	WCDMA Band V 99%OBW(MHz)	WCDMA Band II 99%OBW(MHz)	WCDMA Band IV 99%OBW(MHz)
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.12	4.13	4.13
Middle CH	4.13	4.13	4.13
Highest CH	4.12	4.11	4.14

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Date: 9.FEB.2017 10:32:42	Date: 9.FEB.2017 11:02:49
Middle Channel	**Middle Channel**
	
Date: 9.FEB.2017 10:33:10	Date: 9.FEB.2017 11:03:18
Highest Channel	**Highest Channel**
	
Date: 9.FEB.2017 10:33:38	Date: 9.FEB.2017 11:03:53

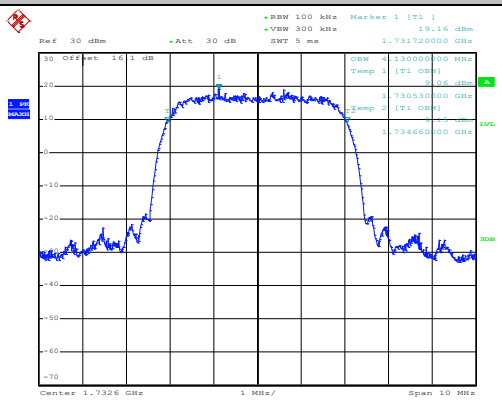
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



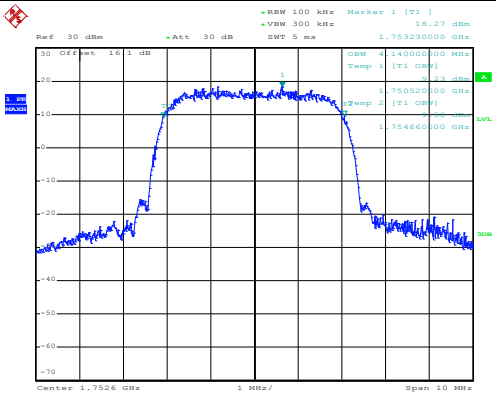
Date: 9.FEB.2017 11:17:13

Middle Channel



Date: 9.FEB.2017 11:17:43

Highest Channel

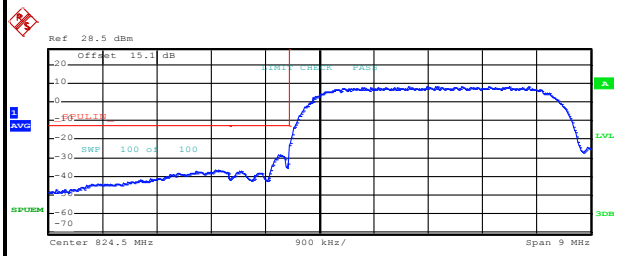


Date: 9.FEB.2017 11:18:12

Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

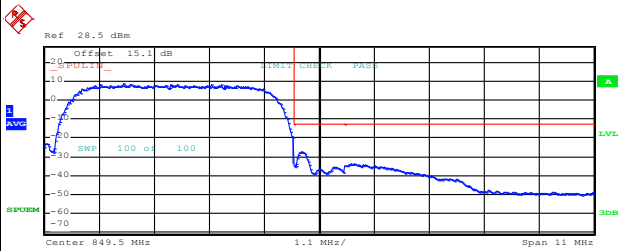
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.832000 M	-36.85	-23.85
823.000 M	824.000 M	50.00 k	823.844000 M	-28.44	-15.44
824.000 M	829.000 M	100.00 k	827.965000 M	8.62	-26.38

Date: 9.FEB.2017 10:40:08

Highest Band Edge

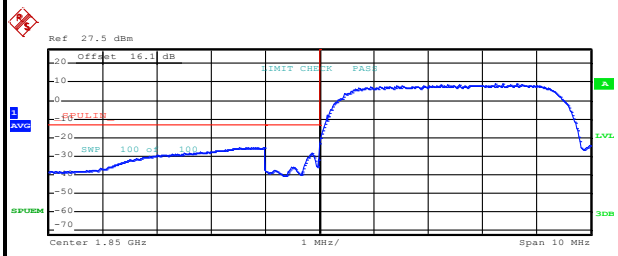


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
844.000 M	849.000 M	100.00 k	845.575000 M	8.88	-26.12
849.000 M	850.000 M	50.00 k	849.148000 M	-27.32	-14.32
850.000 M	855.000 M	100.00 k	850.125000 M	-33.61	-20.61

Date: 9.FEB.2017 10:42:56

WCDMA Band II (RMC 12.2Kbps)

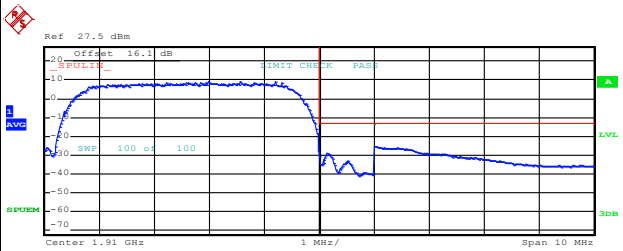
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848628 G	-25.34	-12.34
1.849 G	1.850 G	50.00 k	1.849864 G	-28.63	-15.63
1.850 G	1.855 G	100.00 k	1.853245 G	9.01	-25.99

Date: 9.FEB.2017 11:10:02

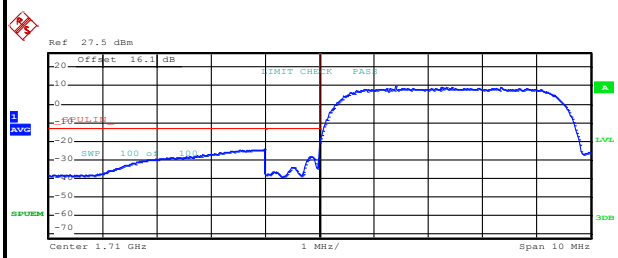
Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.908555 G	9.16	-25.84
1.910 G	1.911 G	50.00 k	1.910144 G	-28.99	-15.99
1.911 G	1.915 G	1.00 M	1.911000 G	-25.18	-12.18

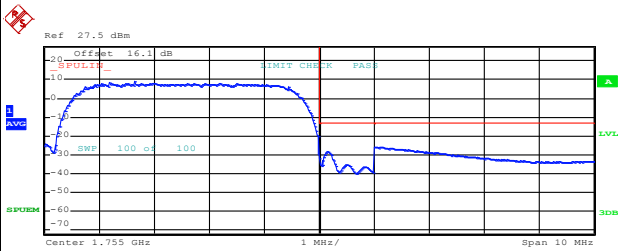
Date: 9.FEB.2017 11:13:10

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



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.705 G	1.709 G	1.00 M	1.708980 G	-24.48	-11.48
1.709 G	1.710 G	50.00 k	1.709860 G	-28.19	-15.19
1.710 G	1.715 G	100.00 k	1.711405 G	9.68	-25.32

Date: 9.FEB.2017 11:20:57



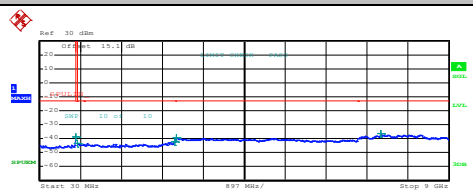
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.750 G	1.755 G	100.00 k	1.751635 G	9.10	-25.90
1.755 G	1.756 G	50.00 k	1.755152 G	-28.45	-15.45
1.756 G	1.760 G	1.00 M	1.756016 G	-25.73	-12.73

Date: 9.FEB.2017 11:23:49

Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

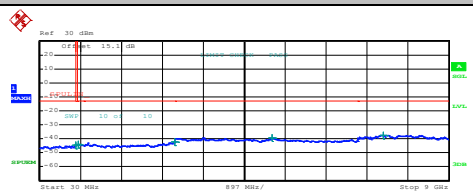
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.407500 M	-38.89	-25.89
855.000 M	1.000 G	1.00 M	856.413750 M	-43.37	-30.37
1.000 G	3.000 G	1.00 M	2.992500 G	-42.04	-29.04
3.000 G	7.000 G	1.00 M	3.027000 G	-39.49	-26.49
7.000 G	9.000 G	1.00 M	7.517000 G	-36.60	-23.60

Date: 9.FEB.2017 10:44:07

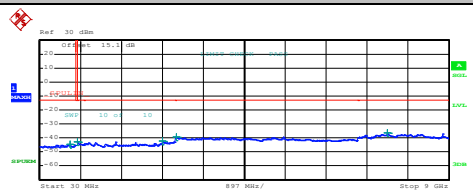
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	815.852500 M	-44.74	-31.74
855.000 M	1.000 G	1.00 M	871.167501 M	-43.85	-30.85
1.000 G	3.000 G	1.00 M	2.990500 G	-42.15	-29.15
3.000 G	7.000 G	1.00 M	5.128000 G	-39.30	-26.30
7.000 G	9.000 G	1.00 M	7.572000 G	-37.39	-24.39

Date: 9.FEB.2017 10:45:53

Highest Channel

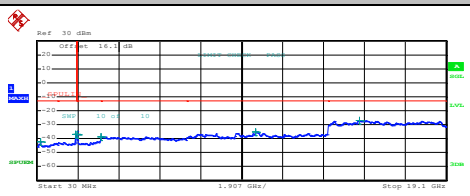


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	691.625000 M	-44.84	-31.84
855.000 M	1.000 G	1.00 M	855.906250 M	-42.79	-29.79
1.000 G	3.000 G	1.00 M	2.734500 G	-42.09	-29.09
3.000 G	7.000 G	1.00 M	3.023000 G	-39.57	-26.57
7.000 G	9.000 G	1.00 M	7.649500 G	-36.35	-23.35

Date: 9.FEB.2017 10:46:43

WCDMA Band II (RMC 12.2Kbps)

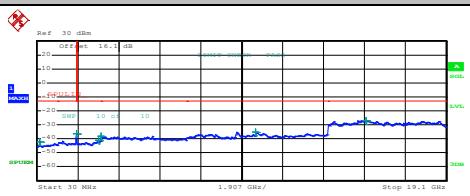
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	169.922500 M	-42.48	-29.48
1.000 G	1.845 G	1.00 M	1.840986 G	-36.97	-23.97
1.915 G	3.000 G	1.00 M	1.915271 G	-36.73	-23.73
3.000 G	7.000 G	1.00 M	3.002000 G	-38.56	-25.56
7.000 G	13.600 G	1.00 M	10.210075 G	-34.94	-21.94
13.600 G	19.100 G	1.00 M	15.056125 G	-26.96	-13.96

Date: 9.FEB.2017 11:05:10

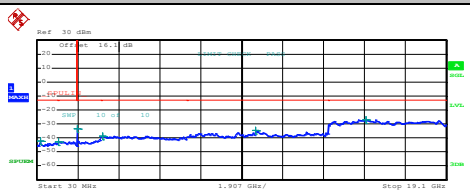
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	142.520000 M	-42.14	-29.14
1.000 G	1.845 G	1.00 M	1.841831 G	-36.60	-23.60
1.915 G	3.000 G	1.00 M	2.894484 G	-40.95	-27.95
3.000 G	7.000 G	1.00 M	3.005000 G	-38.18	-25.18
7.000 G	13.600 G	1.00 M	10.215850 G	-35.15	-22.15
13.600 G	19.100 G	1.00 M	15.368937 G	-26.81	-13.81

Date: 9.FEB.2017 11:05:55

Highest Channel

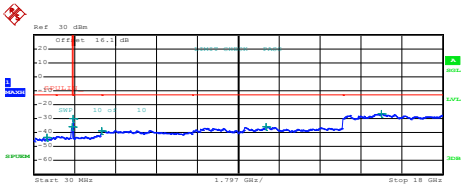


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	170.407500 M	-42.34	-29.34
1.000 G	1.845 G	1.00 M	1.013520 G	-42.58	-29.58
1.915 G	3.000 G	1.00 M	1.915271 G	-33.19	-20.19
3.000 G	7.000 G	1.00 M	3.095000 G	-38.71	-25.71
7.000 G	13.600 G	1.00 M	10.215025 G	-34.82	-21.82
13.600 G	19.100 G	1.00 M	15.353125 G	-27.07	-14.07

Date: 9.FEB.2017 11:06:41

WCDMA Band IV (RMC 12.2Kbps)

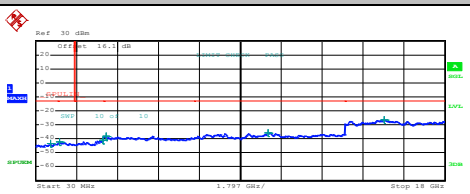
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	618.062500 M	-43.50	-30.50
1.000 G	1.705 G	1.00 M	1.701828 G	-35.84	-22.84
1.760 G	3.000 G	1.00 M	1.760620 G	-29.72	-16.72
3.000 G	7.000 G	1.00 M	3.029000 G	-38.45	-25.45
7.000 G	13.600 G	1.00 M	10.229875 G	-35.57	-22.57
13.600 G	18.000 G	1.00 M	15.303350 G	-26.40	-13.40

Date: 9.FEB.2017 11:24:47

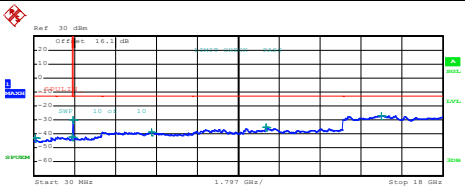
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	659.287500 M	-43.24	-30.24
1.000 G	1.705 G	1.00 M	1.080546 G	-42.44	-29.44
1.760 G	3.000 G	1.00 M	2.987600 G	-41.30	-28.30
3.000 G	7.000 G	1.00 M	3.110000 G	-38.42	-25.42
7.000 G	13.600 G	1.00 M	10.219150 G	-35.62	-22.62
13.600 G	18.000 G	1.00 M	15.350650 G	-26.51	-13.51

Date: 9.FEB.2017 11:25:47

Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	115.845000 M	-42.77	-29.77
1.000 G	1.705 G	1.00 M	1.701475 G	-41.94	-28.94
1.760 G	3.000 G	1.00 M	1.760310 G	-29.89	-16.89
3.000 G	7.000 G	1.00 M	5.192000 G	-38.76	-25.76
7.000 G	13.600 G	1.00 M	10.220800 G	-35.45	-22.45
13.600 G	18.000 G	1.00 M	15.297850 G	-26.81	-13.81

Date: 9.FEB.2017 11:26:48

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	0.0012	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0167	
-10	Normal Voltage	0.0179	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0167	
20	Maximum Voltage	0.0203	
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	0.0090	PASS
40	Normal Voltage	0.0069	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0139	PASS
40	Normal Voltage	0.0110	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0121	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.2 V

2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

Channel	Mode	Horizontal		Vertical	
		ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	GSM850 GPRS class 8	17.66	0.0583	26.11	0.4083
Middle		16.75	0.0473	24.77	0.2999
Highest		15.90	0.0389	23.59	0.2286
Lowest	GSM850 EDGE class 8	10.29	0.0107	19.26	0.0843
Middle		8.97	0.0079	17.66	0.0583
Highest		8.46	0.0070	16.38	0.0435
Lowest	WCDMA Band V AMR 12.2Kbps	9.00	0.0079	17.38	0.0547
Middle		8.37	0.0069	16.49	0.0446
Highest		7.13	0.0052	15.01	0.0317
Limit	ERP < 7W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900 GPRS class 8	23.17	0.2075	23.46	0.2218
Middle		23.38	0.2178	23.96	0.2489
Highest		24.09	0.2564	25.13	0.3258
Lowest	GSM1900 EDGE class 8	19.87	0.0971	20.52	0.1127
Middle		20.45	0.1109	20.81	0.1205
Highest		20.22	0.1052	21.64	0.1459
Lowest	WCDMA Band II AMR 12.2Kbps	18.40	0.0692	18.70	0.0741
Middle		19.10	0.0813	19.86	0.0968
Highest		19.69	0.0931	20.83	0.1211
Limit	EIRP < 2W	Result		PASS	

Channel	Mode	Horizontal		Vertical	
		EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band IV AMR 12.2Kbps	19.61	0.0914	24.30	0.2692
Middle		19.67	0.0927	23.85	0.2427
Highest		18.56	0.0718	22.47	0.1766
Limit	EIRP < 1W	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)
Middle	1672	-55.32	-13	-42.32	-61.68	-57	0.99	4.82	H
	2512	-63.53	-13	-50.53	-72.51	-65.5	1.29	5.41	H
	3345	-65.59	-13	-52.59	-77.65	-69.2	1.56	7.32	H
	1672	-48.52	-13	-35.52	-51.77	-50.2	0.99	4.82	V
	2512	-57.63	-13	-44.63	-67.31	-59.6	1.29	5.41	V
	3345	-66.49	-13	-53.49	-77.43	-70.1	1.56	7.32	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	-64.74	-13	-51.74	-69.03	-66.5	0.98	4.89	H
	2472	-66.62	-13	-53.62	-75.76	-68.5	1.28	5.32	H
	3297	-66.08	-13	-53.08	-77.84	-69.5	1.54	7.11	H
	1648	-55.94	-13	-42.94	-58.8	-57.7	0.98	4.89	V
	2472	-63.92	-13	-50.92	-74	-65.8	1.28	5.32	V
	3297	-66.68	-13	-53.68	-77.76	-70.1	1.54	7.11	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)
Highest	3819	-62.81	-13	-49.81	-77.59	-69.49	1.70	8.38	H
	5730	-59.33	-13	-46.33	-79.48	-66.36	2.76	9.79	H
	7641	-55.07	-13	-42.07	-79.77	-64.57	2.38	11.88	H
	3819	-63.45	-13	-50.45	-77.58	-70.13	1.70	8.38	V
	5730	-60.58	-13	-47.58	-79.56	-67.61	2.76	9.79	V
	7641	-55.77	-13	-42.77	-79.77	-65.27	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)
Highest	3819	-62.66	-13	-49.66	-77.44	-69.34	1.70	8.38	H
	5730	-59.57	-13	-46.57	-79.72	-66.6	2.76	9.79	H
	7641	-54.87	-13	-41.87	-79.57	-64.37	2.38	11.88	H
	3819	-63.46	-13	-50.46	-77.59	-70.14	1.70	8.38	V
	5730	-60.72	-13	-47.72	-79.7	-67.75	2.76	9.79	V
	7641	-55.68	-13	-42.68	-79.68	-65.18	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)
Middle	1672	-70.82	-13	-57.82	-74.98	-72.5	0.99	4.82	H
	2510	-67.14	-13	-54.14	-76.34	-69.1	1.29	5.41	H
	3345	-65.59	-13	-52.59	-77.62	-69.2	1.56	7.32	H
	1672	-68.22	-13	-55.22	-56.31	-69.9	0.99	4.82	V
	2510	-66.24	-13	-53.24	-53.93	-68.2	1.29	5.41	V
	3345	-66.49	-13	-53.49	-54.31	-70.1	1.56	7.32	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)
Highest	3819	-62.16	-13	-49.16	-76.94	-68.84	1.70	8.38	H
	5730	-59.16	-13	-46.16	-79.31	-66.19	2.76	9.79	H
	7641	-54.79	-13	-41.79	-79.49	-64.29	2.38	11.88	H
	3819	-61.50	-13	-48.50	-75.63	-68.18	1.70	8.38	V
	5730	-60.30	-13	-47.30	-79.28	-67.33	2.76	9.79	V
	7641	-55.52	-13	-42.52	-79.52	-65.02	2.38	11.88	V

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

WCDMA Band IV (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)
Middle	3462	-64.49	-13	-51.49	-77.43	-70.73	1.59	7.83	H
	5191	-60.43	-13	-47.43	-79.75	-67.68	2.45	9.70	H
	6927	-56.70	-13	-43.70	-80.14	-64.8	2.61	10.71	H
	3462	-64.73	-13	-51.73	-77.91	-70.97	1.59	7.83	V
	5191	-61.43	-13	-48.43	-79.53	-68.68	2.45	9.70	V
	6927	-56.41	-13	-43.41	-79.61	-64.51	2.61	10.71	V

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