FCC RF Test Report

APPLICANT	:	HTC Corporation
EQUIPMENT	:	Smartphone
MODEL NAME	:	2Q3F300
FCC ID	:	NM82Q3F300
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 May 23, 2017 and testing was completed on Jun. 29, 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

Testing Laboratory
1190

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.

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APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG752311A	Rev. 01	Initial issue of report	Sep. 04, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§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	-
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	§2.1053 §22.917(a) §24.238(a) §27.53(h)	Field Strength of Spurious Radiation	< 43+10log10(P[Watts])	PASS	Under limit 26.37 dB at 3700 MHz

1 General Description

1.1 Applicant

HTC Corporation
No. 23, Xinghua Rd., Taoyuan District, Taoyuan City, Taiwan 330

1.2 Manufacturer

HTC Corporation
No.23, Xinghua Rd., Taoyuan District, Taoyuan City, Taiwan 330'

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/ac, NFC, Ant+, and GPS

Product Specification subjective to this standard	
Sample 1	EUT with battery 1 and 1st PCB
Sample 2	EUT with battery 2 and 1st PCB
Sample 3	EUT with battery 1 and 2nd PCB
Antenna Type	WWAN: Fixed Internal Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS/GLONASS/BDS: PIFA Antenna NFC: Loop Antenna

Remark:

1. There are 1st PCB and 2nd PCB, the hardware change are USB board, antenna board and speaker module. Regarding the differences, perform full RSE testing on sample 1 and sample 3.
2. For the LTE setting which controlled by software, there are two Skus of device. Sku 1 supports LTE category 9 (up to 450 Mbps), and Sku 2 support category 11 (up to 600 Mbps) and 256QAM downlink. Since the differences, we only performed on Sku 2 device.

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.**
	TH05-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.**
	03CH15-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
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

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:

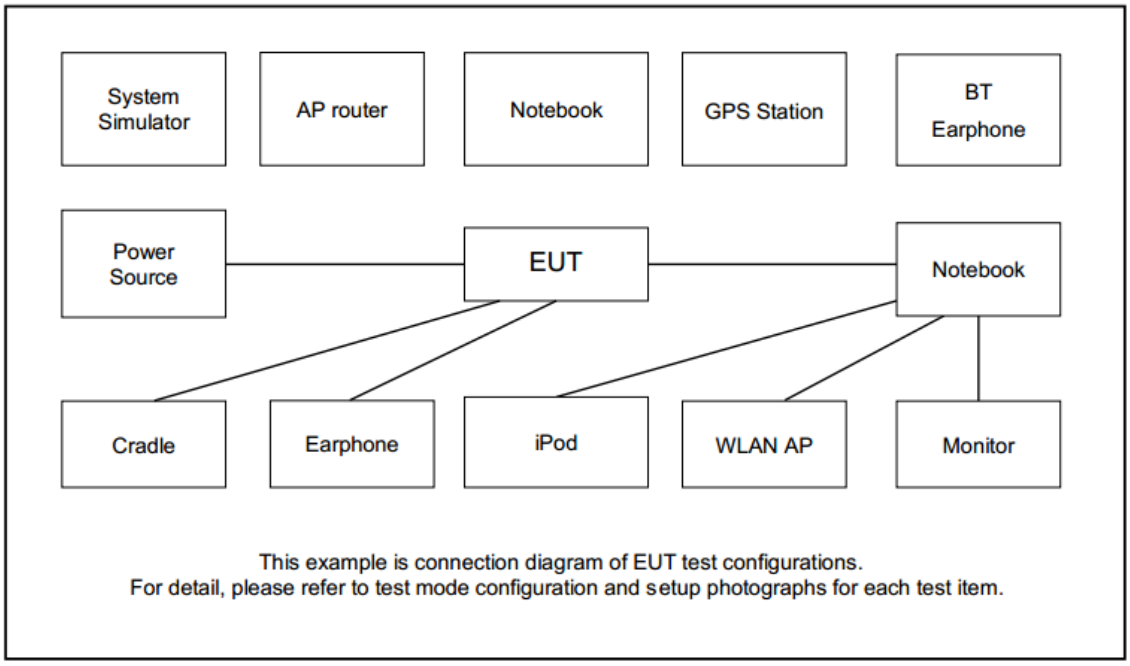
1. 30 MHz to 9000 MHz for GSM850 and WCDMA Band V.
2. 30 MHz to 18000 MHz for WCDMA Band IV.
3. 30 MHz to 19100 MHz for GSM1900 and WCDMA Band II.

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



2.3 Support Unit used in test configuration

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	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

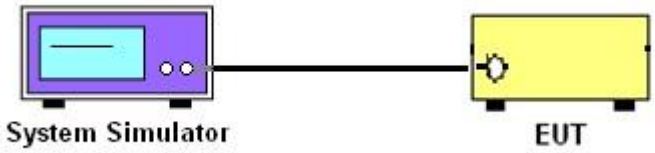
3 Conducted Test Result

3.1 Measuring Instruments

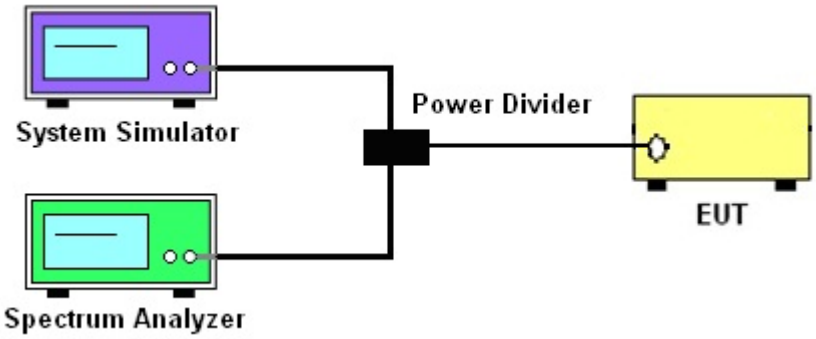
See list of measuring instruments of this test report.

3.2 Test Setup

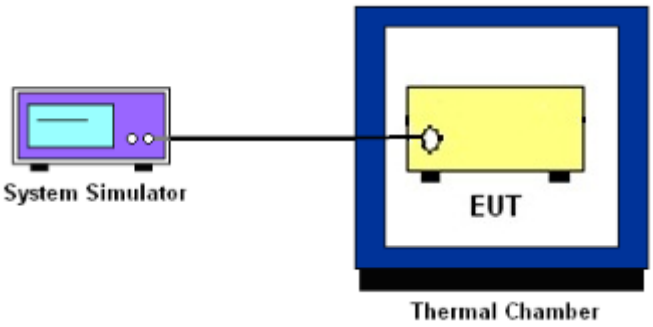
3.2.1 Conducted Output Power



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 and ERP/EIRP

3.4.1 Description of the Conducted Output Power and ERP/EIRP

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.

The ERP of mobile transmitters must not exceed 7 Watts for GSM850 and WCDMA Band V.

The EIRP of mobile transmitters must not exceed 2 Watts for GSM1900 and WCDMA Band II.

The EIRP of mobile transmitters must not exceed 1 Watts for WCDMA Band IV.

According to KDB 412172 D01 Power Approach,

EIRP = $P_T + G_T – L_C$, ERP = EIRP -2.15, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

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 10th harmonic.

3.8.2 Test Procedures

1. The testing follows FCC KDB 971168 D01 v02r02 Section 6.0.
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from 43 + 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.

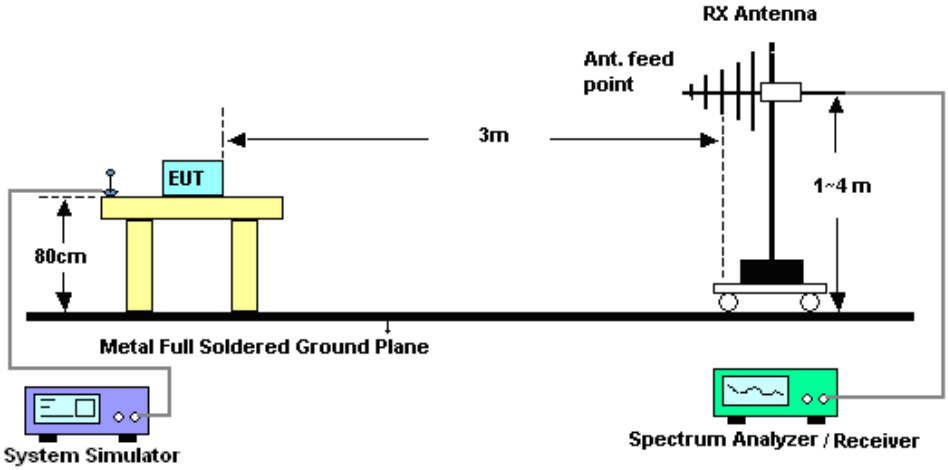
4 Radiated Test Items

4.1 Measuring Instruments

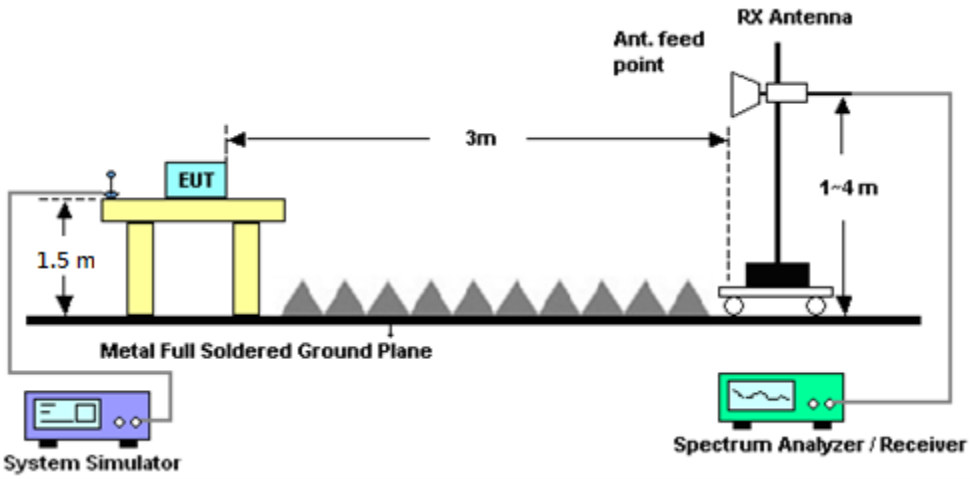
See list of measuring instruments of this test report.

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 Field Strength of Spurious Radiation Measurement

4.4.1 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.

4.4.2 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	Jun. 21, 2017	Jun. 26, 2017	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-641	92013721	-30℃ ~70℃	Nov. 16, 2016	Jun. 21, 2017	Nov. 15, 2017	Conducted (TH03-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL883644	Voltage:0~20V; Current:0~5A	Nov. 22, 2016	Jun. 21, 2017	Nov. 21, 2017	Conducted (TH03-HY)
Base Station (Measure)	Rohde & Schwarz	CMU200	117997	GSM / GPRS / WCDMA / CDMA	Aug. 05, 2016	Jun. 21, 2017	Aug. 04, 2017	Conducted (TH03-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<Sample 1>								
Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz, VSWR : 2.5:1 max	Jul. 16, 2016	Jun. 22, 2017 ~ Jun. 29, 2017	Jul. 15, 2017	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Nov. 09, 2016	Jun. 22, 2017 ~ Jun. 29, 2017	Nov. 08, 2017	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D&00800N1D01N-06	41912&05	30MHz to 1GHz	Jan. 07, 2017	Jun. 22, 2017 ~ Jun. 29, 2017	Jan. 06, 2018	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1620	1G~18GHz	Sep. 30, 2016	Jun. 22, 2017 ~ Jun. 29, 2017	Sep. 29, 2017	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 24, 2016	Jun. 22, 2017 ~ Jun. 29, 2017	Aug. 23, 2017	Radiation (03CH15-HY)
Preamplifier	MITEQ	AMF-7D-00101800	2025787	1GHZ~18GHZ	Feb. 13, 2017	Jun. 22, 2017 ~ Jun. 29, 2017	Feb. 12, 2018	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 23, 2017	Jun. 22, 2017 ~ Jun. 29, 2017	Mar. 22, 2018	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jun. 22, 2017 ~ Jun. 29, 2017	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jun. 22, 2017 ~ Jun. 29, 2017	N/A	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Jun. 22, 2017 ~ Jun. 29, 2017	Nov. 07, 2017	Radiation (03CH15-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	May 22, 2017	Jun. 22, 2017 ~ Jun. 29, 2017	May 21, 2018	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 17, 2017	Jun. 22, 2017 ~ Jun. 29, 2017	Mar. 16, 2018	Radiation (03CH15-HY)

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
<Sample 2>								
Preamplifier	MITEQ	TTA 1840-35-HG	1887435	18GHz ~ 40GHz	Oct. 13, 2016	Aug. 22, 2017 ~ Aug. 25, 2017	Oct. 12, 2017	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Nov. 09, 2016	Aug. 22, 2017 ~ Aug. 25, 2017	Nov. 08, 2017	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL6111D& 00800N1D0 1N-06	41912&05	30MHz to 1GHz	Jan. 07, 2017	Aug. 22, 2017 ~ Aug. 25, 2017	Jan. 06, 2018	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120D	9120D-1620	1G~18GHz	Sep. 30, 2016	Aug. 22, 2017 ~ Aug. 25, 2017	Sep. 29, 2017	Radiation (03CH15-HY)
Preamplifier	Keysight	83017A	MY53270195	1GHz~26.5GHz	Aug. 21, 2017	Aug. 22, 2017 ~ Aug. 25, 2017	Aug. 20, 2018	Radiation (03CH15-HY)
Preamplifier	MITEQ	AMF-7D-001 01800	2025787	1GHZ~18GHZ	Feb. 13, 2017	Aug. 22, 2017 ~ Aug. 25, 2017	Feb. 12, 2018	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 23, 2017	Aug. 22, 2017 ~ Aug. 25, 2017	Mar. 22, 2018	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 22, 2017 ~ Aug. 25, 2017	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 22, 2017 ~ Aug. 25, 2017	N/A	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 08, 2016	Aug. 22, 2017 ~ Aug. 25, 2017	Nov. 07, 2017	Radiation (03CH15-HY)
Signal Generator	Rohde & Schwarz	SMF100A	101107	100kHz~40GHz	May 22, 2017	Aug. 22, 2017 ~ Aug. 25, 2017	May 21, 2018	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 17, 2017	Aug. 22, 2017 ~ Aug. 25, 2017	Mar. 16, 2018	Radiation (03CH15-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))	**5.14**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.48**

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	33.07	33.21	32.88	29.97	30.40	30.49
GPRS class 8	33.19	**33.31**	32.90	29.98	30.39	**30.50**
GPRS class 10	31.44	31.50	31.00	28.90	28.85	28.96
GPRS class 11	30.46	30.47	30.38	28.84	28.76	28.87
GPRS class 12	29.73	29.37	29.35	27.53	27.54	27.57
EGPRS class 8	**27.46**	27.40	27.33	**26.35**	26.23	26.17
EGPRS class 10	26.94	26.97	26.87	25.92	25.80	25.69
EGPRS class 11	26.56	26.44	26.33	25.00	24.81	24.66
EGPRS class 12	24.88	24.82	24.68	24.00	23.77	23.62

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	22.97	**22.98**	22.66	23.24	23.62	**23.69**
HSDPA Subtest-1	22.00	21.98	21.66	22.56	22.71	22.69
HSDPA Subtest-2	22.05	22.00	21.72	22.55	22.64	22.73
HSDPA Subtest-3	21.56	21.51	21.23	22.11	22.15	22.23
HSDPA Subtest-4	21.56	21.53	21.22	22.09	22.14	22.20
HSUPA Subtest-1	22.01	21.98	21.67	22.54	22.60	22.68
HSUPA Subtest-2	20.03	20.00	19.68	20.56	20.61	20.70
HSUPA Subtest-3	21.00	20.98	21.65	21.58	21.61	21.65
HSUPA Subtest-4	20.04	20.10	19.65	20.54	20.60	20.67
HSUPA Subtest-5	22.00	21.91	21.36	22.51	22.58	22.61

Conducted Power (*Unit: dBm)			
Band	**WCDMA Band IV**		
Channel	**1312**	**1413**	**1513**
Frequency	**1712.4**	**1732.6**	**1752.6**
RMC 12.2K	23.60	**23.82**	23.72
HSDPA Subtest-1	22.59	22.87	22.70
HSDPA Subtest-2	22.58	22.81	22.78
HSDPA Subtest-3	22.13	22.30	22.28
HSDPA Subtest-4	22.11	22.32	22.28
HSUPA Subtest-1	22.54	22.79	22.77
HSUPA Subtest-2	20.59	20.80	20.78
HSUPA Subtest-3	21.50	21.73	21.71
HSUPA Subtest-4	20.51	20.60	20.57
HSUPA Subtest-5	22.51	22.75	22.73

A2. GSM

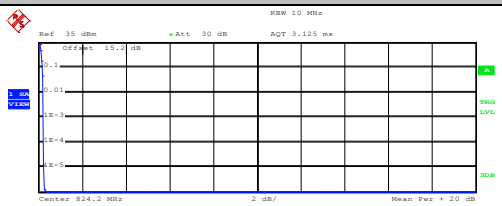
Peak-to-Average Ratio

Mode	GSM850		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.24	3.24	PASS
Middle CH	0.24	3.16	
Highest CH	0.24	3.08	

Mode	GSM1900		Limit: 13dB
Mod.	GPRS class 8	EDGE class 8	Result
Lowest CH	0.20	3.36	PASS
Middle CH	0.24	3.08	
Highest CH	0.20	3.20	

GSM850 (GPRS class 8)

Lowest Channel

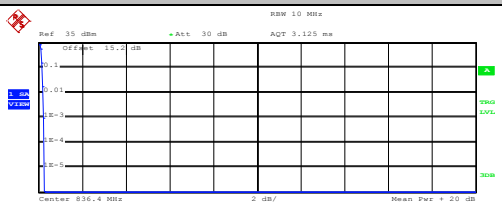


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.57 dBm
Peak	32.86 dBm
Crest	0.28 dB
10 %	0.20 dB
1 %	0.24 dB
.1 %	0.24 dB
.01 %	0.24 dB

Date: 21.JUN.2017 10:25:58

Middle Channel

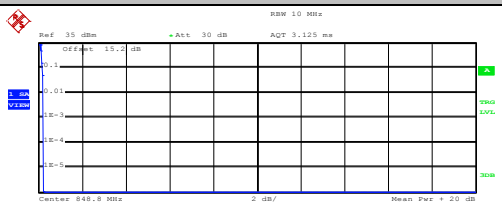


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.33 dBm
Peak	32.57 dBm
Crest	0.24 dB
10 %	0.16 dB
1 %	0.20 dB
.1 %	0.24 dB
.01 %	0.28 dB

Date: 21.JUN.2017 10:26:10

Highest Channel



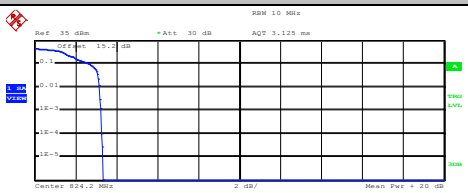
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	32.28 dBm
Peak	32.50 dBm
Crest	0.22 dB
10 %	0.20 dB
1 %	0.24 dB
.1 %	0.24 dB
.01 %	0.24 dB

Date: 21.JUN.2017 10:26:22

GSM850 (EDGE class 8)

Lowest Channel

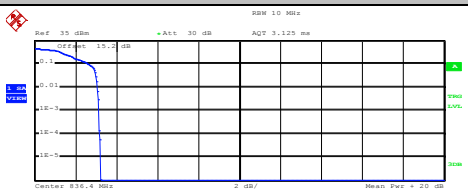


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	27.06 dBm
Peak	30.39 dBm
Crest	3.33 dB
10 %	2.68 dB
1 %	3.16 dB
.1 %	3.24 dB
.01 %	3.28 dB

Date: 21.JUN.2017 10:47:55

Middle Channel

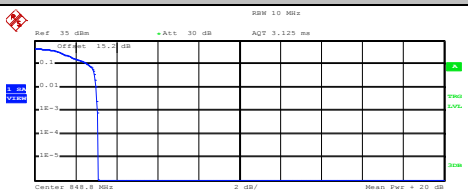


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	27.31 dBm
Peak	30.53 dBm
Crest	3.22 dB
10 %	2.64 dB
1 %	3.08 dB
.1 %	3.16 dB
.01 %	3.20 dB

Date: 21.JUN.2017 10:48:08

Highest Channel



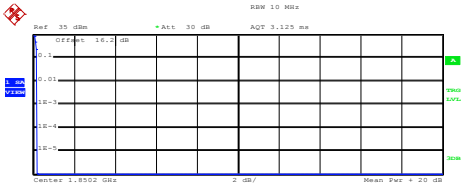
Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	27.37 dBm
Peak	30.46 dBm
Crest	3.09 dB
10 %	2.60 dB
1 %	3.00 dB
.1 %	3.08 dB
.01 %	3.12 dB

Date: 21.JUN.2017 10:48:20

GSM1900 (GPRS class 8)

Lowest Channel



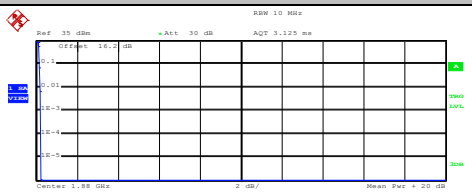
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 29.06 dBm
Peak 29.26 dBm
Crest 0.20 dB

10 % 0.20 dB
1 % 0.20 dB
.1 % 0.20 dB
.01 % 0.20 dB

Date: 21.JUN.2017 11:01:21

Middle Channel



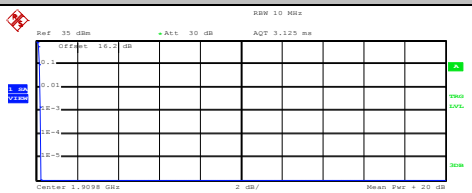
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 29.16 dBm
Peak 29.40 dBm
Crest 0.23 dB

10 % 0.16 dB
1 % 0.20 dB
.1 % 0.24 dB
.01 % 0.24 dB

Date: 21.JUN.2017 11:01:34

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

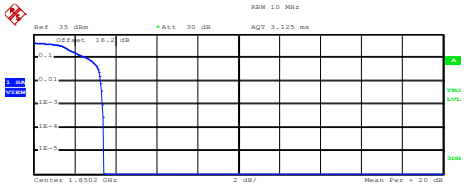
Trace 1
Mean 28.81 dBm
Peak 29.05 dBm
Crest 0.24 dB

10 % 0.16 dB
1 % 0.20 dB
.1 % 0.20 dB
.01 % 0.24 dB

Date: 21.JUN.2017 11:01:47

GSM1900 (EDGE class 8)

Lowest Channel



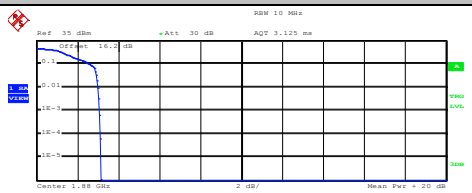
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 25.07 dBm
Peak 28.48 dBm
Crest 3.41 dB

10 % 2.64 dB
1 % 3.28 dB
.1 % 3.36 dB
.01 % 3.44 dB

Date: 21.JUN.2017 11:13:17

Middle Channel



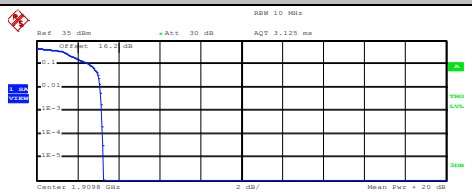
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 25.29 dBm
Peak 28.41 dBm
Crest 3.12 dB

10 % 2.60 dB
1 % 3.00 dB
.1 % 3.08 dB
.01 % 3.12 dB

Date: 21.JUN.2017 11:13:33

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 25.10 dBm
Peak 28.34 dBm
Crest 3.24 dB

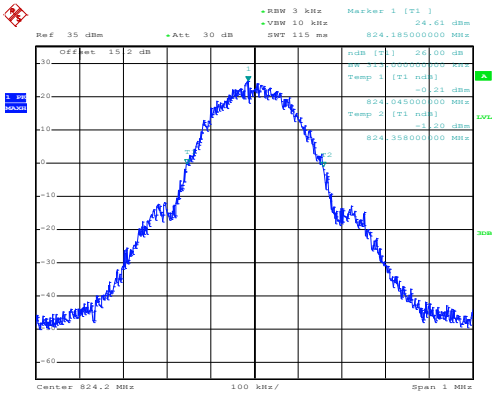
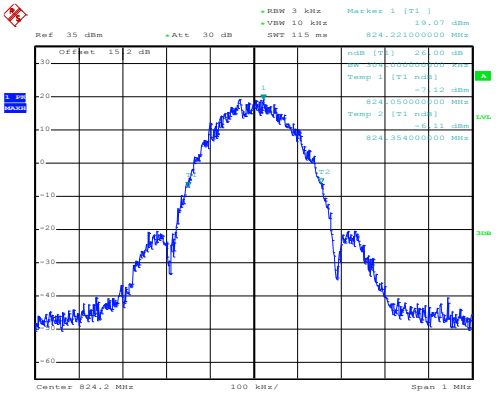
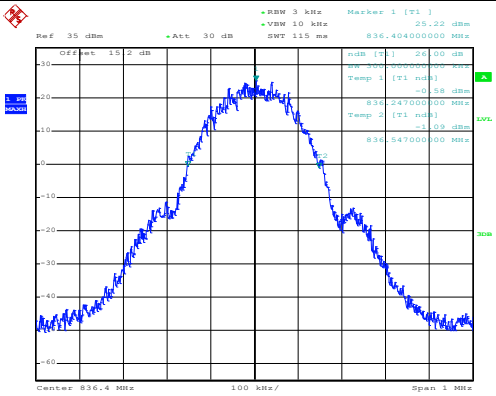
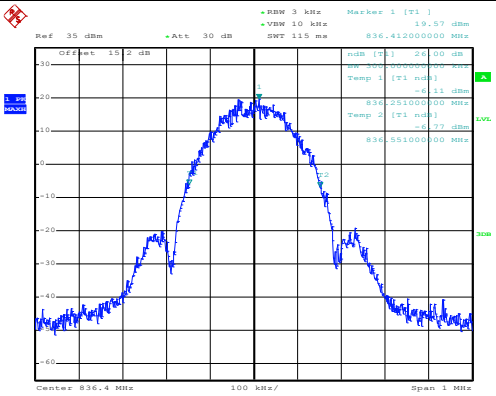
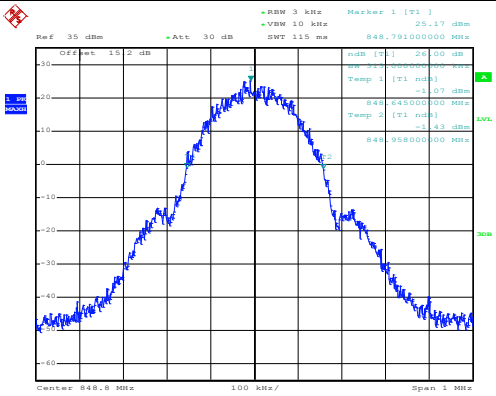
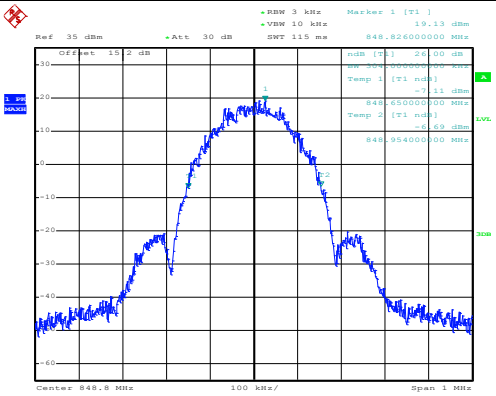
10 % 2.56 dB
1 % 3.08 dB
.1 % 3.20 dB
.01 % 3.24 dB

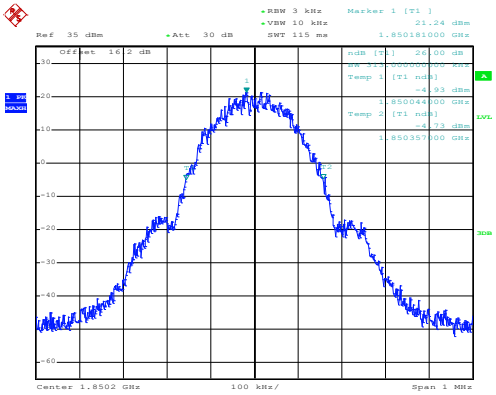
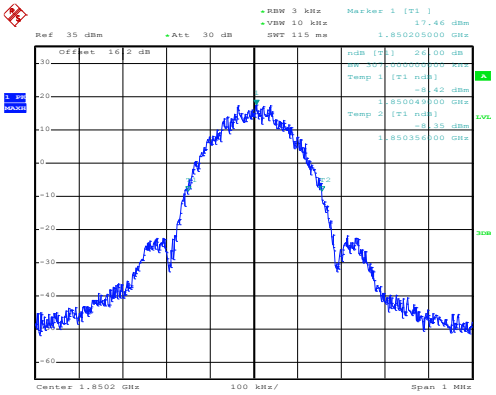
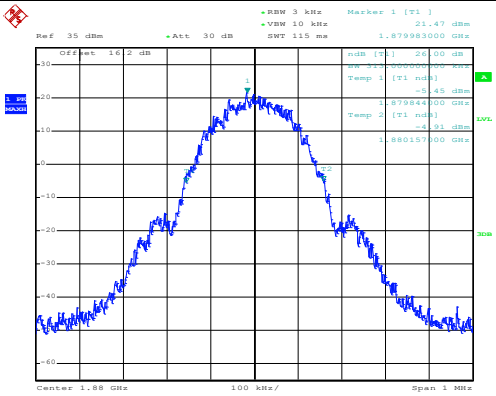
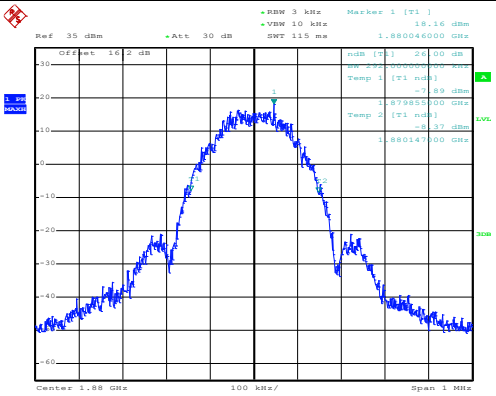
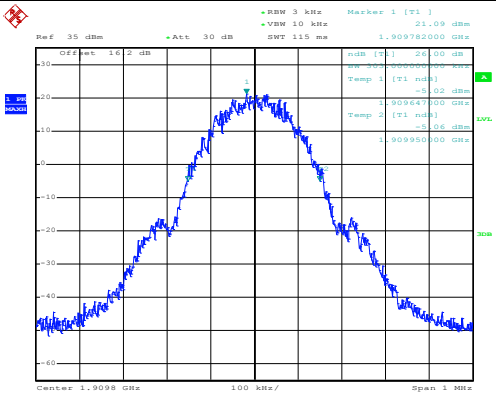
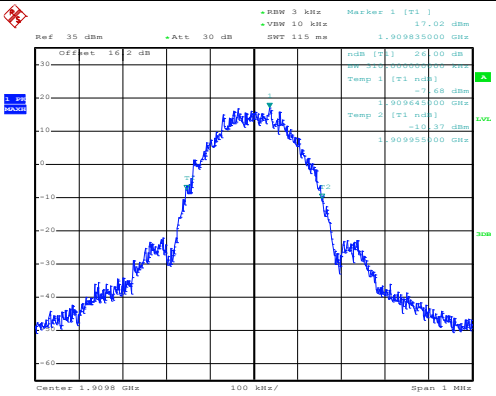
Date: 21.JUN.2017 11:13:46

26dB Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.313	0.304
Middle CH	0.300	0.300
Highest CH	0.313	0.304

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.313	0.307
Middle CH	0.313	0.292
Highest CH	0.303	0.310

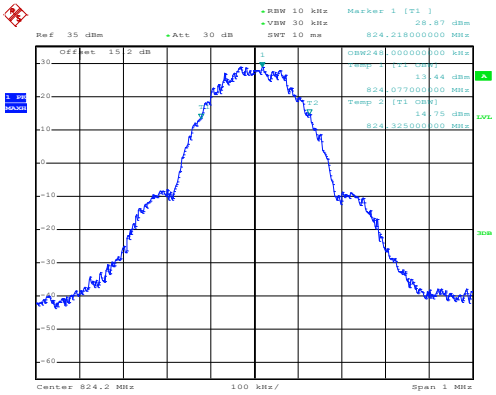
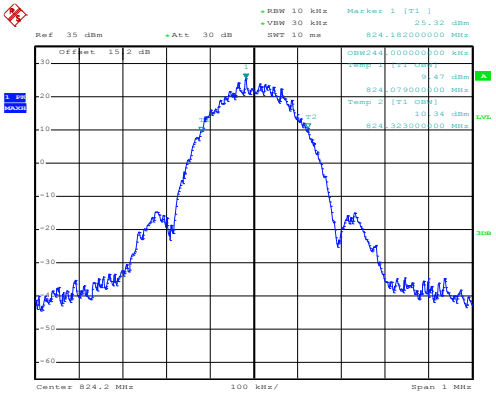
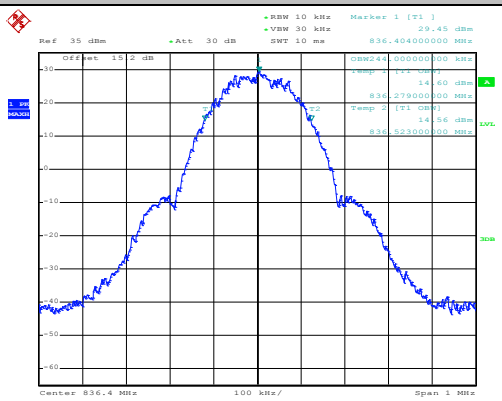
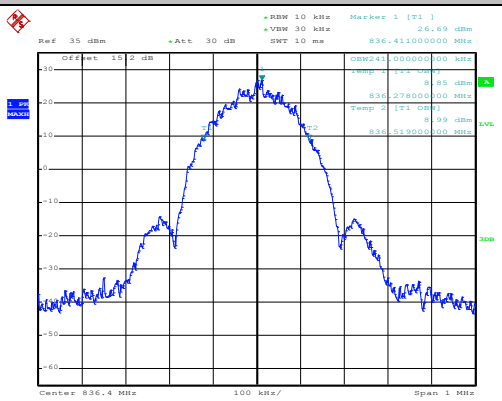
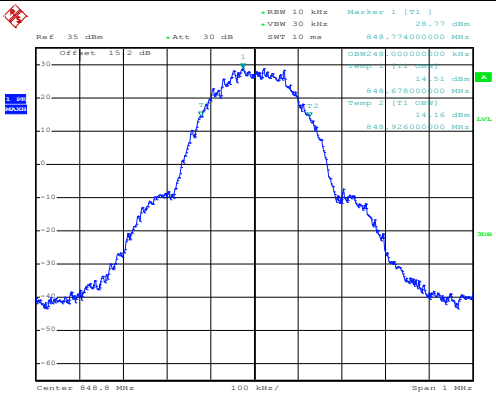
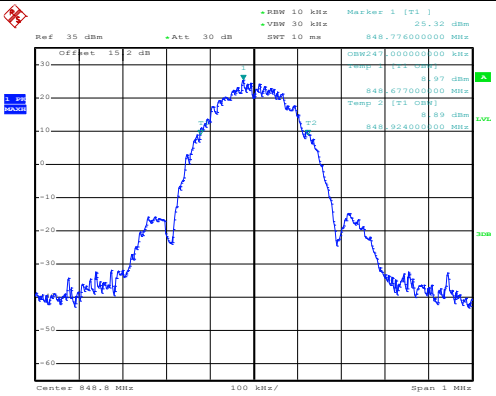
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 21.JUN.2017 10:23:03	Date: 21.JUN.2017 10:41:59
Middle Channel	**Middle Channel**
	
Date: 21.JUN.2017 10:23:32	Date: 21.JUN.2017 10:42:33
Highest Channel	**Highest Channel**
	
Date: 21.JUN.2017 10:24:02	Date: 21.JUN.2017 10:43:07

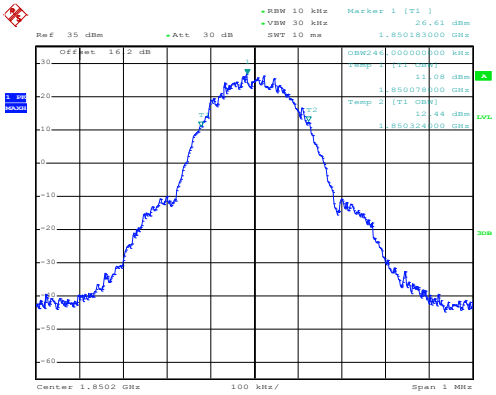
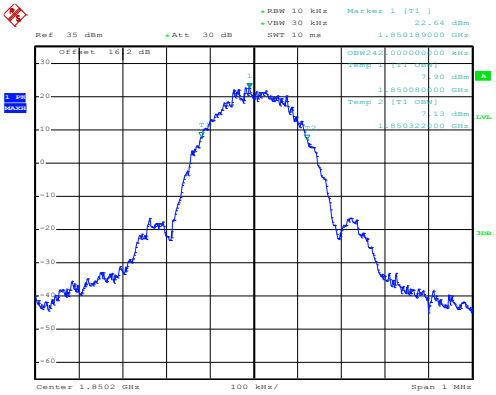
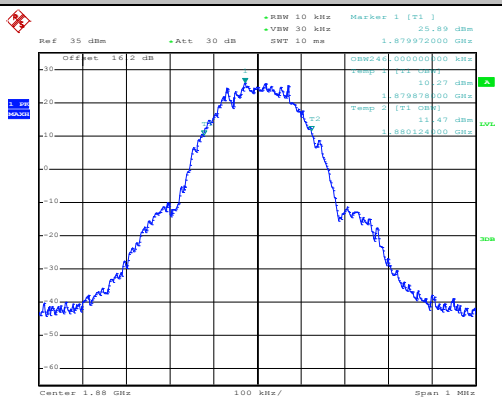
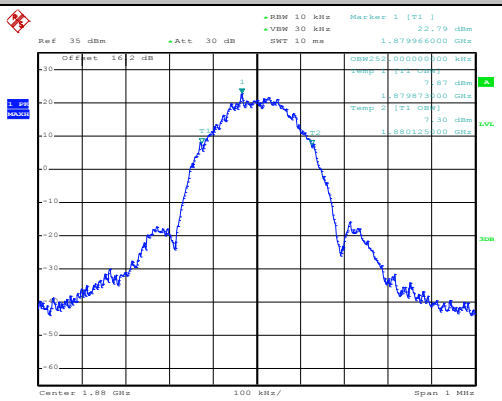
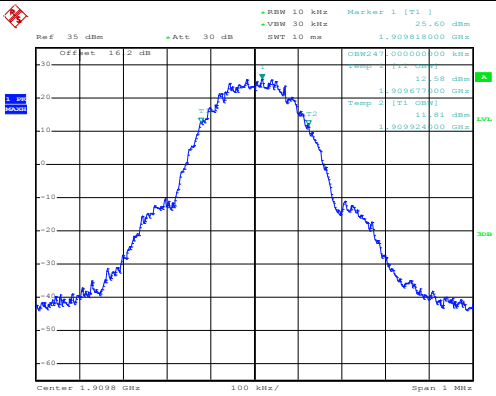
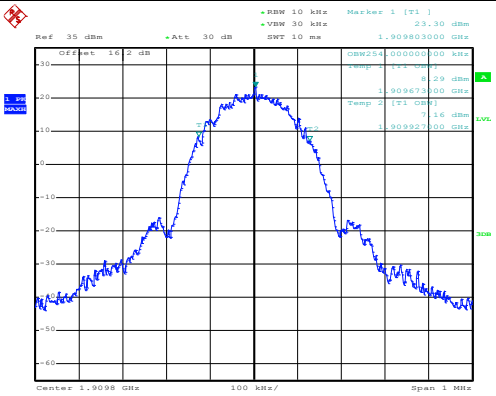
GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
	
Date: 21.JUN.2017 10:55:42	Date: 21.JUN.2017 11:06:42
Middle Channel	**Middle Channel**
	
Date: 21.JUN.2017 10:56:12	Date: 21.JUN.2017 11:07:12
Highest Channel	**Highest Channel**
	
Date: 21.JUN.2017 10:56:41	Date: 21.JUN.2017 11:07:45

Occupied Bandwidth

Mode	GSM850	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.248	0.244
Middle CH	0.244	0.241
Highest CH	0.248	0.247

Mode	GSM1900	
Mod.	GPRS class 8	EDGE class 8
Lowest CH	0.246	0.242
Middle CH	0.247	0.252
Highest CH	0.247	0.254

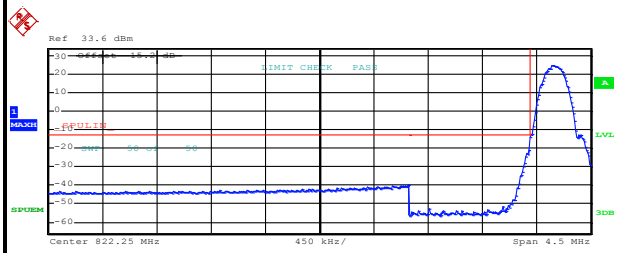
GSM850 (GPRS class 8)	GSM850 (EDGE class 8)
Lowest Channel	**Lowest Channel**
 Date: 21.JUN.2017 10:24:36	 Date: 21.JUN.2017 10:43:43
Middle Channel	**Middle Channel**
 Date: 21.JUN.2017 10:25:07	 Date: 21.JUN.2017 10:44:14
Highest Channel	**Highest Channel**
 Date: 21.JUN.2017 10:25:38	 Date: 21.JUN.2017 10:44:46

GSM1900 (GPRS class 8)	GSM1900 (EDGE class 8)
Lowest Channel	**Lowest Channel**
 Date: 21.JUN.2017 10:57:15	 Date: 21.JUN.2017 11:08:35
Middle Channel	**Middle Channel**
 Date: 21.JUN.2017 10:57:44	 Date: 21.JUN.2017 11:09:08
Highest Channel	**Highest Channel**
 Date: 21.JUN.2017 10:58:13	 Date: 21.JUN.2017 11:09:55

Conducted Band Edge

GSM850 (GPRS class 8)

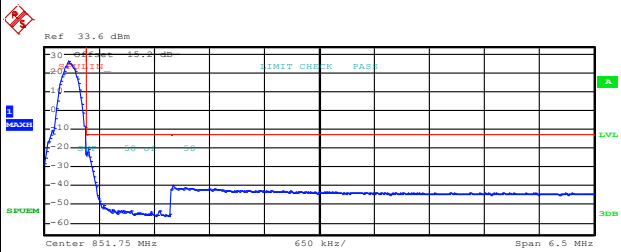
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.985000 M	-40.03	-27.03
823.000 M	824.000 M	3.00 k	823.992000 M	-21.18	-8.18
824.000 M	824.500 M	10.00 k	824.192500 M	24.61	-10.39

Date: 21.JUN.2017 10:30:23

Highest Band Edge

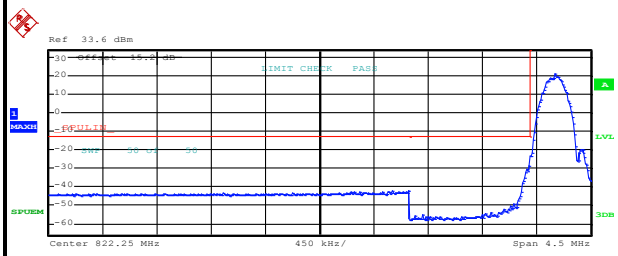


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.779500 M	26.18	-8.82
849.000 M	850.000 M	3.00 k	849.012000 M	-20.76	-7.76
850.000 M	855.000 M	100.00 k	850.015000 M	-40.05	-27.05

Date: 21.JUN.2017 10:39:57

GSM850 (EDGE class 8)

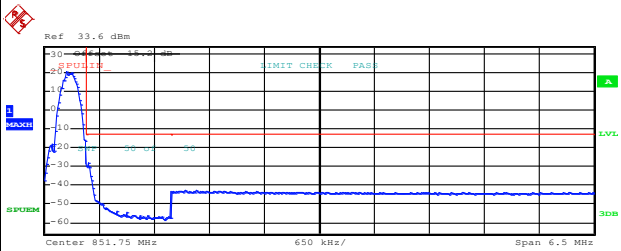
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.991000 M	-42.28	-29.28
823.000 M	824.000 M	3.00 k	823.980000 M	-28.79	-15.79
824.000 M	824.500 M	10.00 k	824.204500 M	21.09	-13.91

Date: 21.JUN.2017 10:49:51

Highest Band Edge

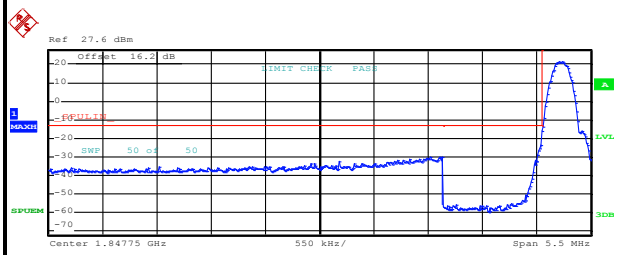


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
848.500 M	849.000 M	10.00 k	848.763500 M	20.15	-14.85
849.000 M	850.000 M	3.00 k	849.016000 M	-28.12	-15.12
850.000 M	855.000 M	100.00 k	850.295000 M	-42.44	-29.44

Date: 21.JUN.2017 10:51:21

GSM1900 (GPRS class 8)

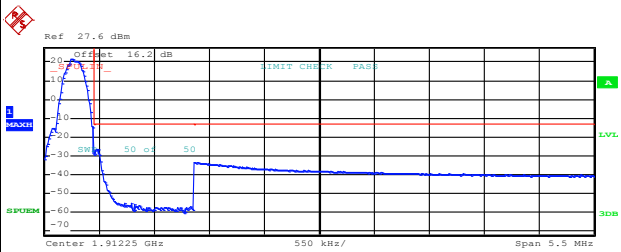
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848984 G	-29.86	-16.86
1.849 G	1.850 G	3.00 k	1.849988 G	-23.84	-10.84
1.850 G	1.851 G	10.00 k	1.850216 G	21.50	-13.50

Date: 21.JUN.2017 11:03:29

Highest Band Edge

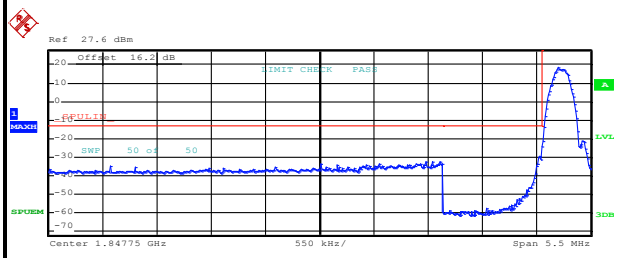


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909761 G	21.74	-13.26
1.910 G	1.911 G	3.00 k	1.910040 G	-26.53	-13.53
1.911 G	1.915 G	1.00 M	1.911040 G	-33.65	-20.65

Date: 21.JUN.2017 11:04:57

GSM1900 (EDGE class 8)

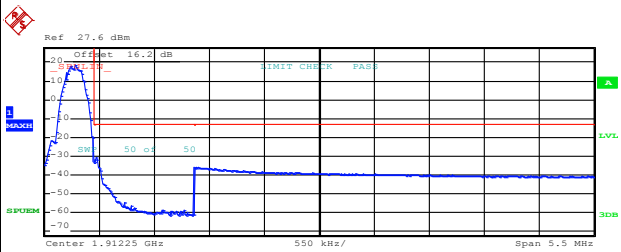
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848972 G	-32.15	-19.15
1.849 G	1.850 G	3.00 k	1.849980 G	-29.40	-16.40
1.850 G	1.851 G	10.00 k	1.850165 G	18.26	-16.74

Date: 21.JUN.2017 11:15:36

Highest Band Edge



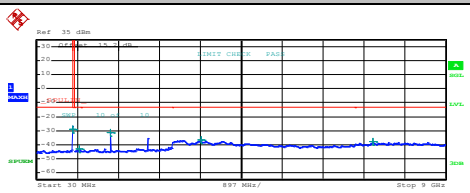
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.910 G	1.910 G	10.00 k	1.909806 G	18.30	-16.70
1.910 G	1.911 G	3.00 k	1.910012 G	-30.60	-17.60
1.911 G	1.915 G	1.00 M	1.911012 G	-36.05	-23.05

Date: 21.JUN.2017 11:17:11

Conducted Spurious Emission

GSM850 (GPRS class 8)

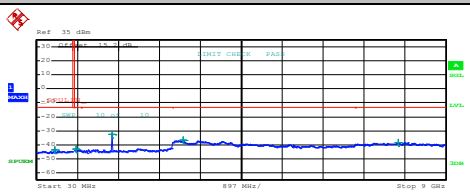
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-29.08	-16.08
855.000 M	1.000 G	1.00 M	965.018758 M	-42.84	-29.84
1.000 G	3.000 G	1.00 M	1.648500 G	-31.45	-18.45
3.000 G	7.000 G	1.00 M	3.634000 G	-36.92	-23.92
7.000 G	9.000 G	1.00 M	7.408500 G	-38.03	-25.03

Date: 21.JUN.2017 10:27:14

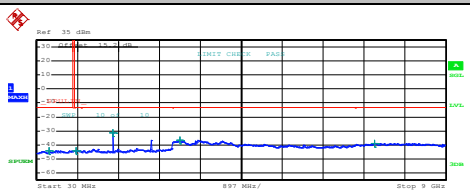
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	429.542500 M	-43.93	-30.93
855.000 M	1.000 G	1.00 M	885.051252 M	-43.16	-30.16
1.000 G	3.000 G	1.00 M	1.673000 G	-32.69	-19.69
3.000 G	7.000 G	1.00 M	3.245000 G	-36.90	-23.90
7.000 G	9.000 G	1.00 M	7.951500 G	-38.24	-25.24

Date: 21.JUN.2017 10:28:02

Highest Channel

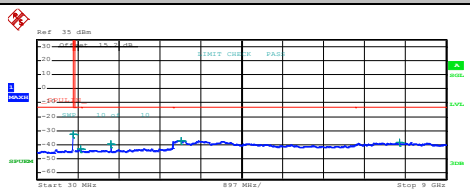


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	295.242500 M	-44.06	-31.06
855.000 M	1.000 G	1.00 M	893.642503 M	-44.01	-31.01
1.000 G	3.000 G	1.00 M	1.697500 G	-31.48	-18.48
3.000 G	7.000 G	1.00 M	3.161000 G	-36.81	-23.81
7.000 G	9.000 G	1.00 M	7.442500 G	-38.75	-25.75

Date: 21.JUN.2017 10:28:49

GSM850 (EDGE class 8)

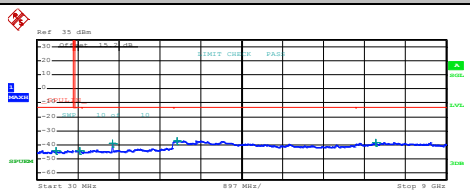
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-32.82	-19.82
855.000 M	1.000 G	1.00 M	987.022509 M	-43.10	-30.10
1.000 G	3.000 G	1.00 M	1.648500 G	-39.71	-26.71
3.000 G	7.000 G	1.00 M	3.179000 G	-36.97	-23.97
7.000 G	9.000 G	1.00 M	7.985500 G	-38.41	-25.41

Date: 21.JUN.2017 10:45:39

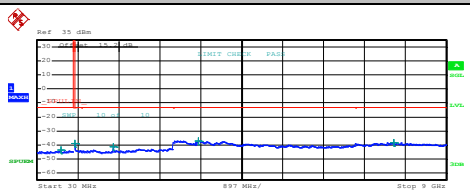
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	434.677500 M	-44.21	-31.21
855.000 M	1.000 G	1.00 M	962.046257 M	-43.95	-30.95
1.000 G	3.000 G	1.00 M	1.673000 G	-38.69	-25.69
3.000 G	7.000 G	1.00 M	3.094000 G	-37.17	-24.17
7.000 G	9.000 G	1.00 M	7.463000 G	-38.45	-25.45

Date: 21.JUN.2017 10:46:26

Highest Channel

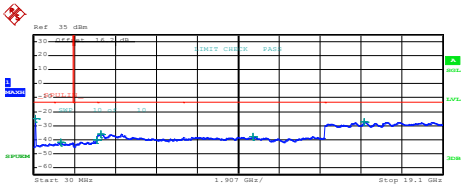


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	542.315000 M	-43.93	-30.93
855.000 M	1.000 G	1.00 M	855.108750 M	-39.21	-26.21
1.000 G	3.000 G	1.00 M	1.697500 G	-41.29	-28.29
3.000 G	7.000 G	1.00 M	3.560000 G	-37.00	-24.00
7.000 G	9.000 G	1.00 M	7.853000 G	-38.50	-25.50

Date: 21.JUN.2017 10:47:14

GSM1900 (GPRS class 8)

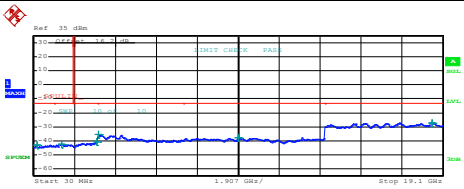
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	111.965000 M	-25.15	-12.15
1.000 G	1.845 G	1.00 M	1.290891 G	-41.72	-28.72
1.915 G	3.000 G	1.00 M	2.963652 G	-40.20	-27.20
3.000 G	7.000 G	1.00 M	3.146000 G	-35.96	-22.96
7.000 G	13.600 G	1.00 M	10.243900 G	-37.59	-24.59
13.600 G	19.100 G	1.00 M	15.448000 G	-27.56	-14.56

Date: 21.JUN.2017 10:59:23

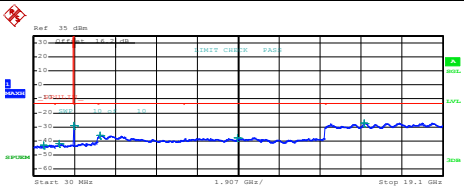
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	173.802500 M	-43.05	-30.05
1.000 G	1.845 G	1.00 M	1.329973 G	-42.21	-29.21
1.915 G	3.000 G	1.00 M	2.958228 G	-40.52	-27.52
3.000 G	7.000 G	1.00 M	3.060000 G	-35.29	-22.29
7.000 G	13.600 G	1.00 M	9.555850 G	-37.98	-24.98
13.600 G	19.100 G	1.00 M	18.607750 G	-27.26	-14.26

Date: 21.JUN.2017 11:00:13

Highest Channel

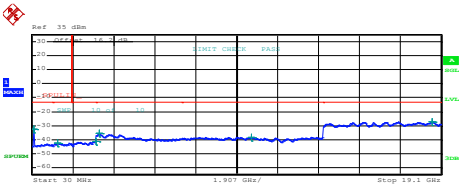


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	504.572500 M	-43.01	-30.01
1.000 G	1.845 G	1.00 M	1.197308 G	-42.05	-29.05
1.915 G	3.000 G	1.00 M	1.915271 G	-28.76	-15.76
3.000 G	7.000 G	1.00 M	3.127000 G	-35.78	-22.78
7.000 G	13.600 G	1.00 M	9.544300 G	-37.62	-24.62
13.600 G	19.100 G	1.00 M	15.440438 G	-26.99	-13.99

Date: 21.JUN.2017 11:01:00

GSM1900 (EDGE class 8)

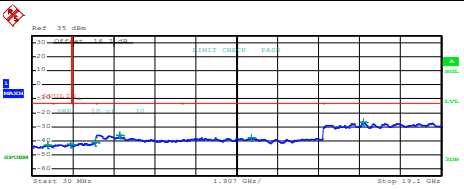
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	111.965000 M	-32.26	-19.26
1.000 G	1.845 G	1.00 M	1.198997 G	-42.68	-29.68
1.915 G	3.000 G	1.00 M	2.997830 G	-41.08	-28.08
3.000 G	7.000 G	1.00 M	3.167000 G	-35.69	-22.69
7.000 G	13.600 G	1.00 M	10.262050 G	-38.16	-25.16
13.600 G	19.100 G	1.00 M	18.689563 G	-27.48	-14.48

Date: 21.JUN.2017 11:10:56

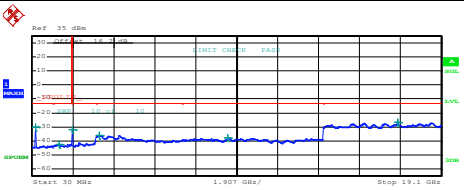
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	755.075000 M	-43.24	-30.24
1.000 G	1.845 G	1.00 M	1.819228 G	-42.68	-29.68
1.915 G	3.000 G	1.00 M	2.949548 G	-41.30	-28.30
3.000 G	7.000 G	1.00 M	4.125000 G	-36.00	-23.00
7.000 G	13.600 G	1.00 M	10.233175 G	-37.56	-24.56
13.600 G	19.100 G	1.00 M	15.460375 G	-26.86	-13.86

Date: 21.JUN.2017 11:11:47

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	-30.20	-17.20
1.000 G	1.845 G	1.00 M	1.292581 G	-42.60	-29.60
1.915 G	3.000 G	1.00 M	1.915271 G	-32.19	-19.19
3.000 G	7.000 G	1.00 M	3.139000 G	-36.01	-23.01
7.000 G	13.600 G	1.00 M	9.145000 G	-38.05	-25.05
13.600 G	19.100 G	1.00 M	17.088375 G	-26.56	-13.56

Date: 21.JUN.2017 11:12:34

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	0.0024	0.0096	PASS
40	Normal Voltage	0.0084	0.0072	
30	Normal Voltage	0.0048	0.0036	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0012	0.0048	
0	Normal Voltage	0.0096	0.0072	
-10	Normal Voltage	0.0203	0.0060	
-20	Normal Voltage	0.0036	0.0048	
-30	Normal Voltage	0.0120	0.0072	
20	Maximum Voltage	0.0012	0.0120	
20	Normal Voltage	0.0036	0.0000	
20	Battery End Point	0.0084	0.0024	

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	0.0059	0.0069	PASS
40	Normal Voltage	0.0059	0.0027	
30	Normal Voltage	0.0021	0.0005	
20(Ref.)	Normal Voltage	0.0000	0.0000	
10	Normal Voltage	0.0085	0.0016	
0	Normal Voltage	0.0106	0.0043	
-10	Normal Voltage	0.0138	0.0080	
-20	Normal Voltage	0.0117	0.0191	
-30	Normal Voltage	0.0330	0.0255	
20	Maximum Voltage	0.0298	0.0005	
20	Normal Voltage	0.0319	0.0027	
20	Battery End Point	0.0335	0.0059	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

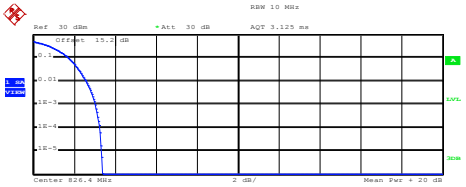
A3. WCDMA

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	3.04	2.92	3.00	PASS
Middle CH	3.00	2.92	3.00	
Highest CH	3.12	2.88	3.08	

WCDMA Band V (RMC 12.2Kbps)

Lowest Channel



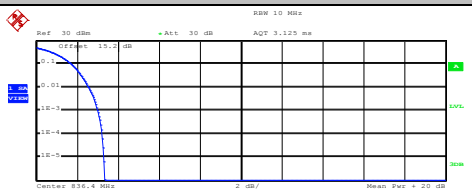
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 22.86 dBm
Peak 26.23 dBm
Crest 3.37 dB

10 % 1.72 dB
1 % 2.60 dB
.1 % 3.04 dB
.01 % 3.24 dB

Date: 21.JUN.2017 10:12:36

Middle Channel



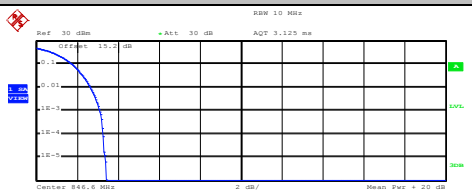
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 22.80 dBm
Peak 26.16 dBm
Crest 3.36 dB

10 % 1.72 dB
1 % 2.56 dB
.1 % 3.00 dB
.01 % 3.24 dB

Date: 21.JUN.2017 10:12:49

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

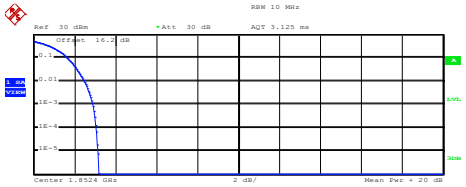
Trace 1
Mean 22.51 dBm
Peak 25.95 dBm
Crest 3.44 dB

10 % 1.76 dB
1 % 2.64 dB
.1 % 3.12 dB
.01 % 3.28 dB

Date: 21.JUN.2017 10:13:00

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



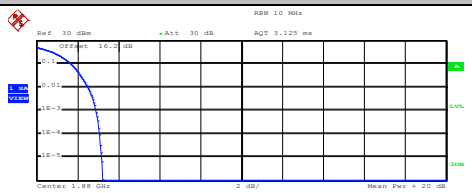
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 22.70 dBm
Peak 25.88 dBm
Crest 3.18 dB

10 % 1.64 dB
1 % 2.48 dB
.1 % 2.92 dB
.01 % 3.08 dB

Date: 21.JUN.2017 09:46:01

Middle Channel



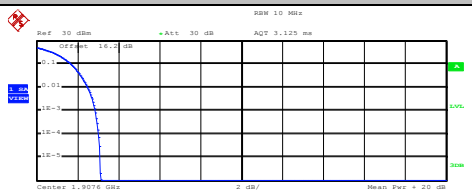
Complementary Cumulative Distribution Function (100000 samples)

Trace 1
Mean 22.92 dBm
Peak 26.16 dBm
Crest 3.24 dB

10 % 1.68 dB
1 % 2.52 dB
.1 % 2.92 dB
.01 % 3.08 dB

Date: 21.JUN.2017 09:46:10

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

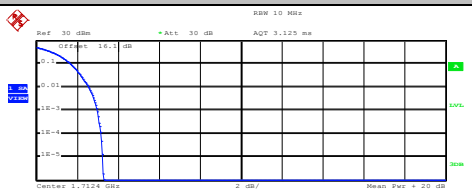
Trace 1
Mean 22.98 dBm
Peak 26.09 dBm
Crest 3.12 dB

10 % 1.68 dB
1 % 2.48 dB
.1 % 2.88 dB
.01 % 3.04 dB

Date: 21.JUN.2017 09:46:20

WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



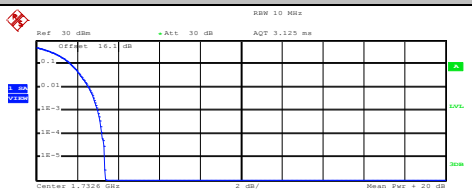
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	23.38 dBm
Peak	26.66 dBm
Crest	3.28 dB
10 %	1.68 dB
1 %	2.56 dB
.1 %	3.00 dB
.01 %	3.16 dB

Date: 21.JUN.2017 10:01:11

Middle Channel



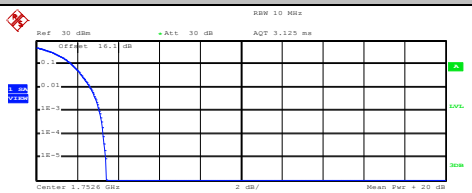
Complementary Cumulative Distribution Function (100000 samples)

Trace 1

Mean	23.51 dBm
Peak	26.87 dBm
Crest	3.36 dB
10 %	1.68 dB
1 %	2.56 dB
.1 %	3.00 dB
.01 %	3.20 dB

Date: 21.JUN.2017 10:01:20

Highest Channel



Complementary Cumulative Distribution Function (100000 samples)

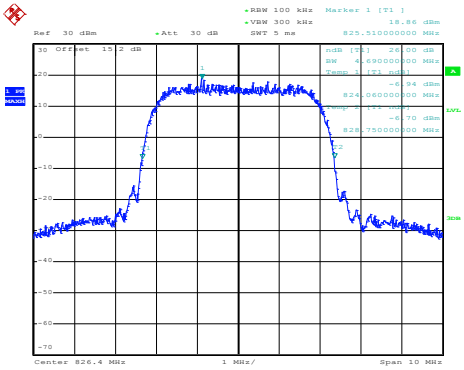
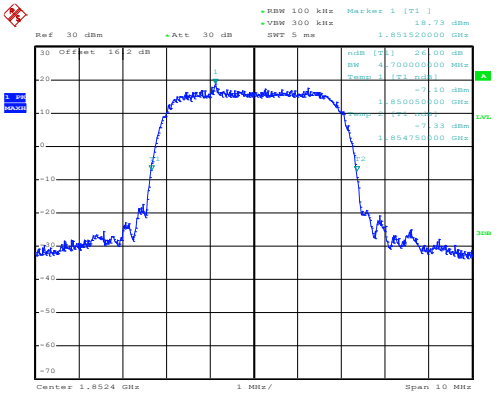
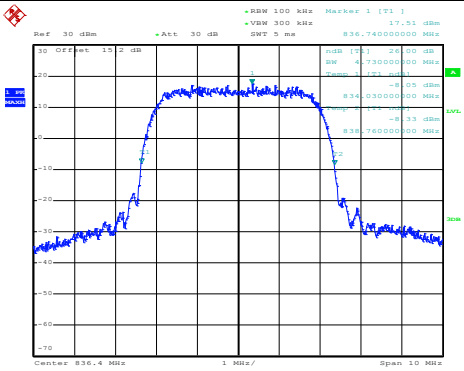
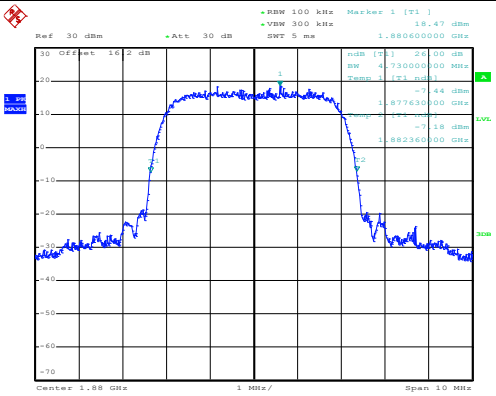
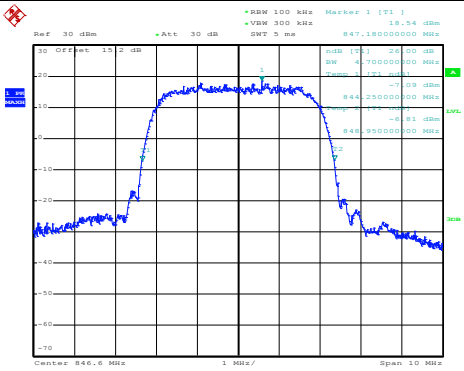
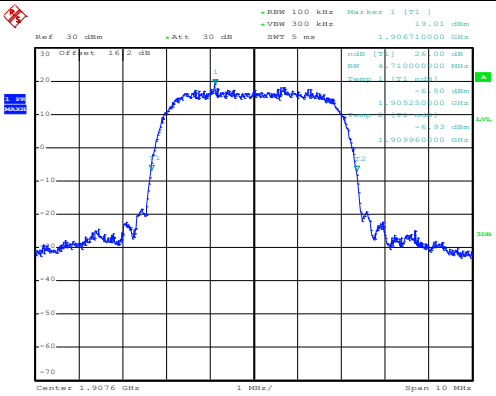
Trace 1

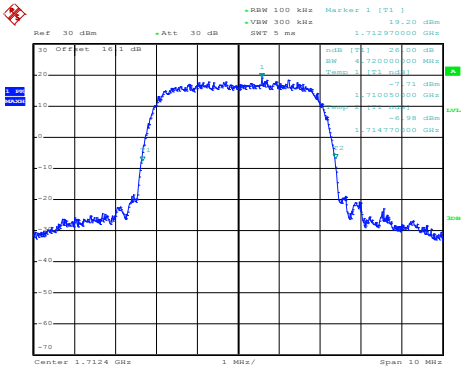
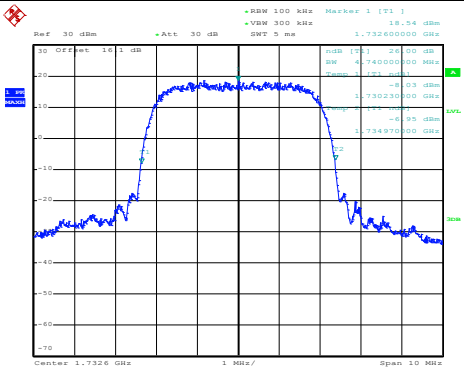
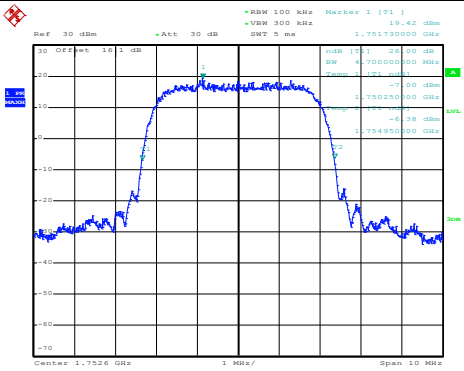
Mean	23.37 dBm
Peak	26.80 dBm
Crest	3.43 dB
10 %	1.72 dB
1 %	2.64 dB
.1 %	3.08 dB
.01 %	3.28 dB

Date: 21.JUN.2017 10:01:30

26dB Bandwidth

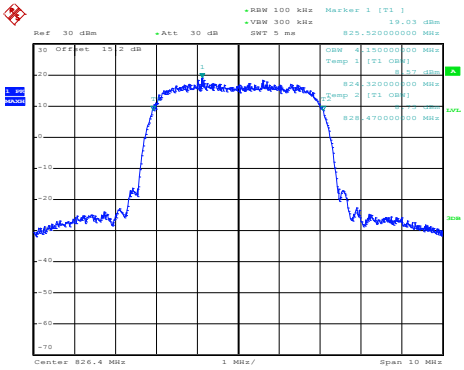
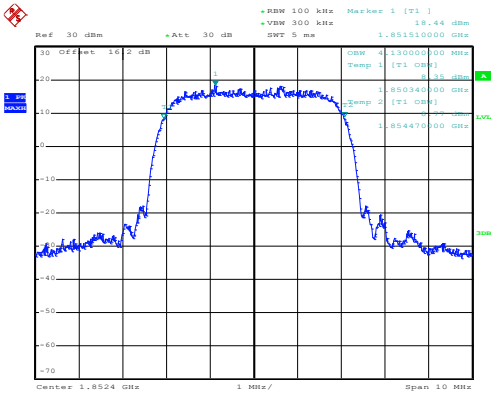
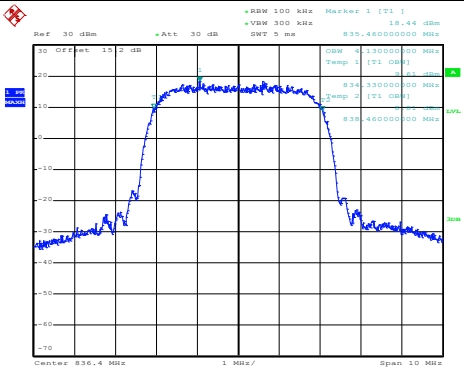
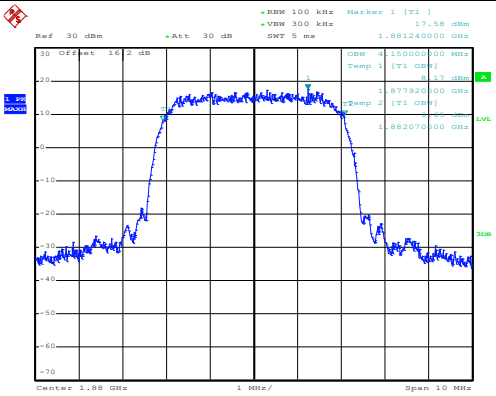
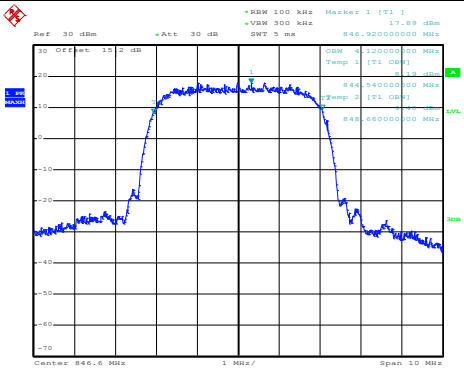
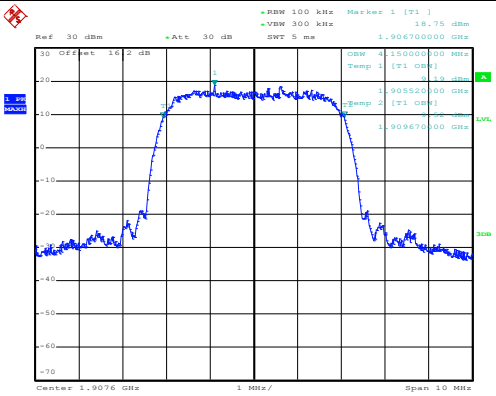
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.69	4.70	4.72
Middle CH	4.73	4.73	4.74
Highest CH	4.70	4.71	4.70

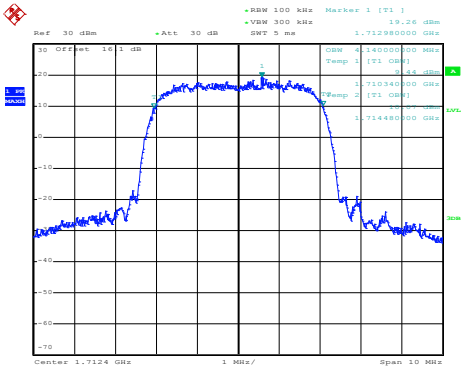
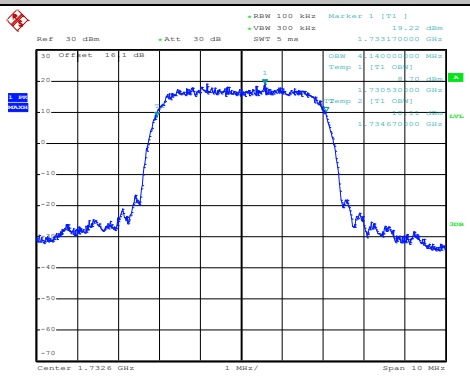
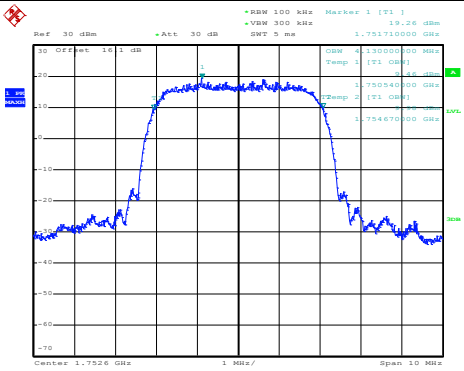
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
 Date: 21.JUN.2017 10:06:56	 Date: 21.JUN.2017 09:33:33
Middle Channel	**Middle Channel**
 Date: 21.JUN.2017 10:07:25	 Date: 21.JUN.2017 09:34:01
Highest Channel	**Highest Channel**
 Date: 21.JUN.2017 10:07:53	 Date: 21.JUN.2017 09:34:29

WCDMA Band IV (RMC 12.2Kbps)	
Lowest Channel	
 Date: 21.JUN.2017 09:47:22	
Middle Channel	
 Date: 21.JUN.2017 09:47:50	
Highest Channel	
 Date: 21.JUN.2017 09:48:18	

Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.15	4.13	4.14
Middle CH	4.13	4.15	4.14
Highest CH	4.12	4.15	4.13

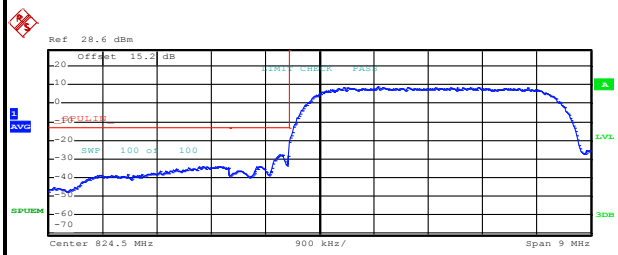
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
	
Date: 21.JUN.2017 10:11:25	Date: 21.JUN.2017 09:42:22
Middle Channel	**Middle Channel**
	
Date: 21.JUN.2017 10:11:53	Date: 21.JUN.2017 09:42:50
Highest Channel	**Highest Channel**
	
Date: 21.JUN.2017 10:12:22	Date: 21.JUN.2017 09:43:18

WCDMA Band IV (RMC 12.2Kbps)	
Lowest Channel	
 Date: 21.JUN.2017 09:51:14	
Middle Channel	
 Date: 21.JUN.2017 09:51:42	
Highest Channel	
 Date: 21.JUN.2017 09:52:10	

Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)

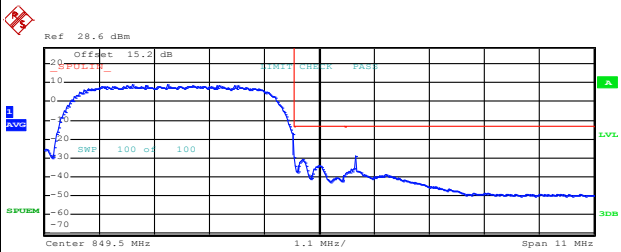
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
820.000 M	823.000 M	100.00 k	822.775000 M	-34.02	-21.02
823.000 M	824.000 M	50.00 k	823.856000 M	-27.83	-14.83
824.000 M	829.000 M	100.00 k	825.460000 M	8.77	-26.23

Date: 21.JUN.2017 10:18:37

Highest Band Edge

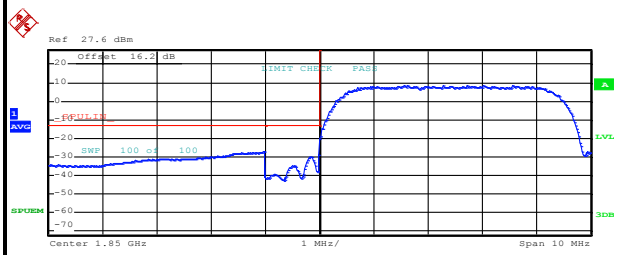


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
844.000 M	849.000 M	100.00 k	846.470000 M	9.14	-25.86
849.000 M	850.000 M	50.00 k	849.004000 M	-30.29	-17.29
850.000 M	855.000 M	100.00 k	850.215000 M	-28.88	-15.88

Date: 21.JUN.2017 10:21:21

WCDMA Band II (RMC 12.2Kbps)

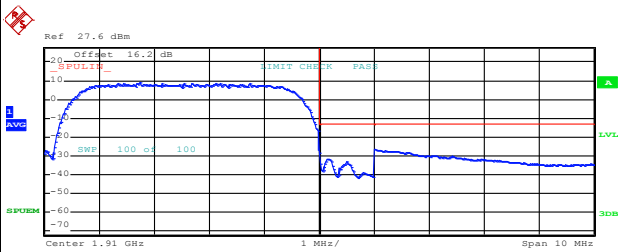
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848988 G	-27.11	-14.11
1.849 G	1.850 G	50.00 k	1.849840 G	-30.22	-17.22
1.850 G	1.855 G	100.00 k	1.853010 G	8.68	-26.32

Date: 21.JUN.2017 09:37:26

Highest Band Edge

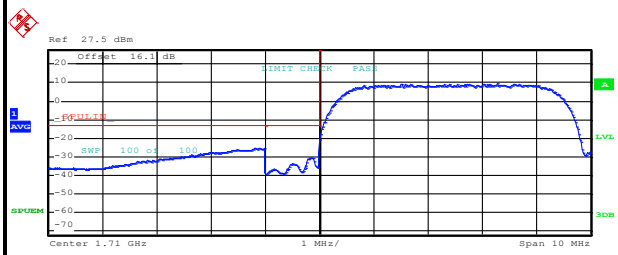


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.906730 G	8.94	-26.06
1.910 G	1.911 G	50.00 k	1.910004 G	-28.10	-15.10
1.911 G	1.915 G	1.00 M	1.911004 G	-26.54	-13.54

Date: 21.JUN.2017 09:40:09

WCDMA Band IV (RMC 12.2Kbps)

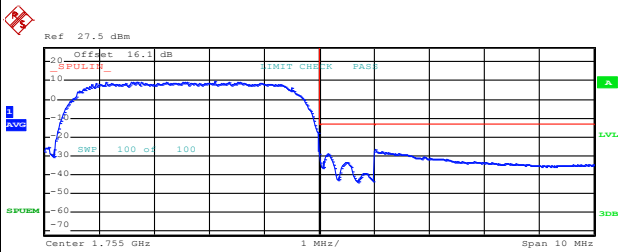
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.705 G	1.709 G	1.00 M	1.708796 G	-25.37	-12.37
1.709 G	1.710 G	50.00 k	1.709988 G	-28.91	-15.91
1.710 G	1.715 G	100.00 k	1.713270 G	9.39	-25.61

Date: 21.JUN.2017 09:55:05

Highest Band Edge



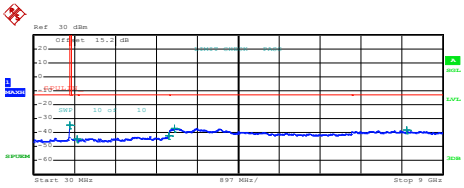
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.750 G	1.755 G	100.00 k	1.753100 G	9.38	-25.62
1.755 G	1.756 G	50.00 k	1.755004 G	-28.68	-15.68
1.756 G	1.760 G	1.00 M	1.756012 G	-26.74	-13.74

Date: 21.JUN.2017 09:57:50

Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

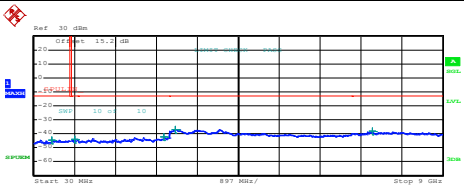
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-34.89	-21.89
855.000 M	1.000 G	1.00 M	975.966258 M	-44.53	-31.53
1.000 G	3.000 G	1.00 M	2.983500 G	-42.51	-29.51
3.000 G	7.000 G	1.00 M	3.110000 G	-36.73	-23.73
7.000 G	9.000 G	1.00 M	8.217500 G	-38.29	-25.29

Date: 21.JUN.2017 10:14:02

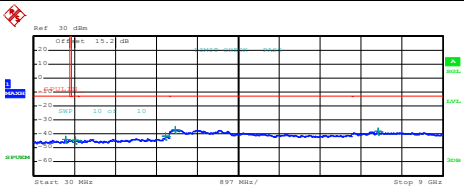
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	416.902500 M	-44.67	-31.67
855.000 M	1.000 G	1.00 M	920.105004 M	-44.23	-31.23
1.000 G	3.000 G	1.00 M	2.885500 G	-42.49	-29.49
3.000 G	7.000 G	1.00 M	3.126000 G	-37.03	-24.03
7.000 G	9.000 G	1.00 M	7.450500 G	-38.30	-25.30

Date: 21.JUN.2017 10:14:48

Highest Channel

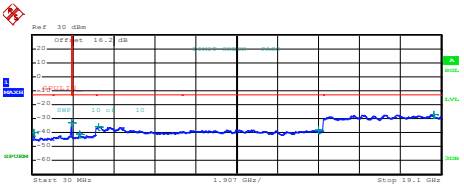


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	820.000 M	1.00 M	733.297500 M	-43.93	-30.93
855.000 M	1.000 G	1.00 M	938.447506 M	-44.39	-31.39
1.000 G	3.000 G	1.00 M	2.917000 G	-41.58	-28.58
3.000 G	7.000 G	1.00 M	3.136000 G	-37.19	-24.19
7.000 G	9.000 G	1.00 M	7.585000 G	-38.25	-25.25

Date: 21.JUN.2017 10:15:34

WCDMA Band II (RMC 12.2Kbps)

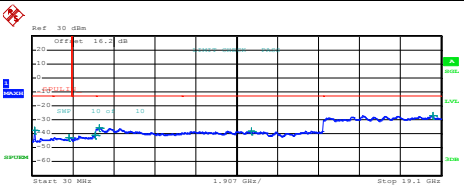
Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	114.875000 M	-40.09	-27.09
1.000 G	1.845 G	1.00 M	1.844789 G	-32.84	-19.84
1.915 G	3.000 G	1.00 M	2.234804 G	-41.32	-28.32
3.000 G	7.000 G	1.00 M	3.113000 G	-35.86	-22.86
7.000 G	13.600 G	1.00 M	13.397050 G	-37.88	-24.88
13.600 G	19.100 G	1.00 M	18.772063 G	-27.29	-14.29

Date: 21.JUN.2017 09:44:16

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	-37.43	-24.43
1.000 G	1.845 G	1.00 M	1.759444 G	-42.67	-29.67
1.915 G	3.000 G	1.00 M	2.984810 G	-41.32	-28.32
3.000 G	7.000 G	1.00 M	3.143000 G	-35.76	-22.76
7.000 G	13.600 G	1.00 M	10.242250 G	-37.97	-24.97
13.600 G	19.100 G	1.00 M	18.713625 G	-27.09	-14.09

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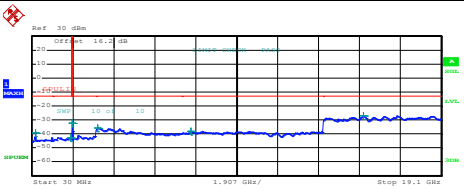
Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	168.467500 M	-39.16	-26.16
1.000 G	1.845 G	1.00 M	1.810566 G	-42.55	-29.55
1.915 G	3.000 G	1.00 M	1.915271 G	-32.00	-19.00
3.000 G	7.000 G	1.00 M	3.067000 G	-35.71	-22.71
7.000 G	13.600 G	1.00 M	7.421575 G	-38.25	-25.25
13.600 G	19.100 G	1.00 M	15.480313 G	-27.21	-14.21

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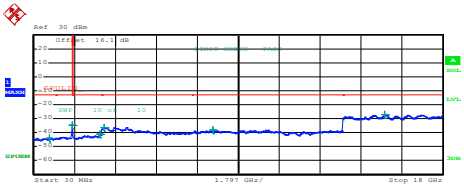
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	726.217500 M	-43.72	-30.72
1.000 G	1.705 G	1.00 M	1.704648 G	-34.63	-21.63
1.760 G	3.000 G	1.00 M	2.952260 G	-41.21	-28.21
3.000 G	7.000 G	1.00 M	3.135000 G	-36.19	-23.19
7.000 G	13.600 G	1.00 M	7.900900 G	-38.18	-25.18
13.600 G	18.000 G	1.00 M	15.454600 G	-26.90	-13.90

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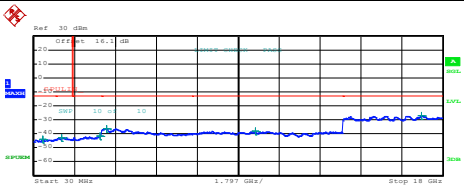
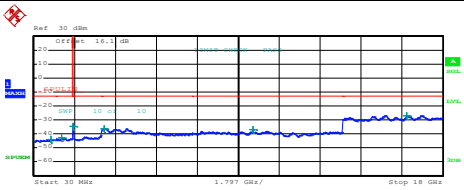
Middle Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	439.825000 M	-43.79	-30.79
1.000 G	1.705 G	1.00 M	1.253271 G	-42.71	-29.71
1.760 G	3.000 G	1.00 M	2.944820 G	-41.43	-28.43
3.000 G	7.000 G	1.00 M	3.234000 G	-36.15	-23.15
7.000 G	13.600 G	1.00 M	9.765400 G	-38.21	-25.21
13.600 G	18.000 G	1.00 M	17.048500 G	-27.30	-14.30

Date: 21.JUN.2017 10:03:07

Highest Channel



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
30.000 M	1.000 G	1.00 M	769.867500 M	-43.97	-30.97
1.000 G	1.705 G	1.00 M	1.238643 G	-42.97	-29.97
1.760 G	3.000 G	1.00 M	1.760310 G	-34.41	-21.41
3.000 G	7.000 G	1.00 M	3.106000 G	-36.22	-23.22
7.000 G	13.600 G	1.00 M	9.644125 G	-37.09	-24.09
13.600 G	18.000 G	1.00 M	16.435800 G	-26.90	-13.90

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

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0021	

Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0167	PASS
40	Normal Voltage	0.0156	
30	Normal Voltage	0.0150	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage = 3.85V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 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 ERP/EIRP and Radiated Test

ERP/EIRP

Channel	Mode	Conducted		ERP	
		Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	GSM850	33.19	2.0845	23.54	0.2259
Middle	GPRS class 8	33.31	2.1429	23.66	0.2323
Highest	(GT - LC = -7.5 dB)	32.90	1.9498	23.25	0.2113
Lowest	GSM850	27.46	0.5572	17.81	0.0604
Middle	EDGE class 8	27.40	0.5495	17.75	0.0596
Highest	(GT - LC = -7.5 dB)	27.33	0.5408	17.68	0.0586
Lowest	WCDMA Band V	22.97	0.1982	13.32	0.0215
Middle	RMC 12.2Kbps	22.98	0.1986	13.33	0.0215
Highest	(GT - LC = -7.5 dB)	22.66	0.1845	13.01	0.0200
Limit	ERP < 7W	Result		PASS	

Channel	Mode	Conducted		EIRP	
		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	GSM1900	29.98	0.9954	28.48	0.7047
Middle	GPRS class 8	30.39	1.0940	28.89	0.7745
Highest	(GT - LC = -1.5 dB)	30.50	1.1220	29.00	0.7943
Lowest	GSM1900	26.35	0.4315	24.85	0.3055
Middle	EDGE class 8	26.23	0.4198	24.73	0.2972
Highest	(GT - LC = -1.5 dB)	26.17	0.4140	24.67	0.2931
Lowest	WCDMA Band II	23.24	0.2109	21.74	0.1493
Middle	RMC 12.2Kbps	23.62	0.2301	22.12	0.1629
Highest	(GT - LC = -1.5 dB)	23.69	0.2339	22.19	0.1656
Limit	EIRP < 2W	Result		PASS	

Channel	Mode	Conducted		EIRP	
		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	WCDMA Band IV	23.60	0.2291	21.50	0.1413
Middle	RMC 12.2Kbps	23.82	0.2410	21.72	0.1486
Highest	(GT - LC = -2.1 dB)	23.72	0.2355	21.62	0.1452
Limit	EIRP < 1W	Result		PASS	

Radiated Spurious Emission

<Sample 1>

Part22H GPRS 850

Mode 1_GPRS 850									
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	-54.83	-13	-41.83	-65.76	-61.11	0.41	8.83	H
	2472	-50.71	-13	-37.71	-65.81	-58.82	0.51	10.76	H
	3296	-59.40	-13	-46.40	-76.02	-68.43	0.59	11.77	H
									H
	1648	-55.24	-13	-42.24	-66.31	-61.52	0.41	8.83	V
	2472	-51.97	-13	-38.97	-66.57	-60.08	0.51	10.76	V
	3296	-58.98	-13	-45.98	-75.87	-68.01	0.59	11.77	V
									V
									V
									V
									V
Middle	1672	-51.47	-13	-38.47	-62.69	-57.83	0.41	8.92	H
	2512	-44.07	-13	-31.07	-59.23	-52.21	0.51	10.80	H
	3344	-59.70	-13	-46.70	-76.26	-68.89	0.60	11.94	H
									H
									H
	1672	-51.17	-13	-38.17	-62.07	-57.53	0.41	8.92	V
	2512	-48.11	-13	-35.11	-62.83	-56.25	0.51	10.80	V
	3344	-58.93	-13	-45.93	-76.08	-68.12	0.60	11.94	V
									V
									V
									V
									V

	1696	-50.12	-13	-37.12	-61.07	-56.56	0.41	9.01	H
	2544	-54.61	-13	-41.61	-69.76	-62.74	0.51	10.79	H
	3395	-59.22	-13	-46.22	-76.04	-68.59	0.60	12.12	H
									H
									H
									H
									H
Highest	1696	-50.59	-13	-37.59	-61.51	-57.03	0.41	9.01	V
	2544	-55.74	-13	-42.74	-70.33	-63.87	0.51	10.79	V
	3395	-59.25	-13	-46.25	-75.95	-68.62	0.60	12.12	V
									V
									V
									V
									V

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

Part22H EDGE 850

Mode 2_EDGE 850									
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	-59.24	-13	-46.24	-70.2	-65.52	0.41	8.83	H
	2472	-52.40	-13	-39.40	-67.97	-60.51	0.51	10.76	H
	3296	-59.79	-13	-46.79	-76.17	-68.82	0.59	11.77	H
									H
									H
									H
									H
	1648	-59.35	-13	-46.35	-70	-65.63	0.41	8.83	V
	2472	-56.50	-13	-43.50	-71.16	-64.61	0.51	10.76	V
	3296	-59.30	-13	-46.30	-76.12	-68.33	0.59	11.77	V
									V
									V
									V
									V
Middle	1672	-57.51	-13	-44.51	-68.31	-63.87	0.41	8.92	H
	2512	-55.03	-13	-42.03	-70.24	-63.17	0.51	10.80	H
	3344	-59.68	-13	-46.68	-75.93	-68.87	0.60	11.94	H
									H
									H
									H
									H
	1672	-57.27	-13	-44.27	-68.43	-63.63	0.41	8.92	V
	2512	-59.09	-13	-46.09	-73.63	-67.23	0.51	10.80	V
	3345	-59.13	-13	-46.13	-76	-68.33	0.60	11.94	V
									V
									V
									V
									V

Highest	1696	-58.51	-13	-45.51	-69.38	-64.95	0.41	9.01	H
	2546	-59.96	-13	-46.96	-75.03	-68.09	0.51	10.79	H
	3395	-59.62	-13	-46.62	-75.91	-68.99	0.60	12.12	H
									H
									H
									H
									H
	1696	-61.11	-13	-48.11	-72.23	-67.55	0.41	9.01	V
	2546	-61.10	-13	-48.10	-75.89	-69.23	0.51	10.79	V
	3395	-59.06	-13	-46.06	-75.65	-68.43	0.60	12.12	V
									V
									V
									V
									V

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

Part22H WCDMA 850

Mode 3_WCDMA 850									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1656	-63.71	-13	-50.71	-74.74	-70.02	0.41	8.86	H
	2479	-60.26	-13	-47.26	-75.62	-68.37	0.51	10.77	H
	3305	-60.01	-13	-47.01	-76.28	-69.07	0.59	11.80	H
									H
									H
									H
									H
	1656	-63.21	-13	-50.21	-74.53	-69.52	0.41	8.86	V
	2479	-61.21	-13	-48.21	-75.85	-69.32	0.51	10.77	V
	3305	-59.05	-13	-46.05	-75.93	-68.11	0.59	11.80	V
									V
									V
									V
									V
Middle	1672	-63.16	-13	-50.16	-74.32	-69.52	0.41	8.92	H
	2509	-60.11	-13	-47.11	-75.78	-68.25	0.51	10.80	H
	3345	-59.42	-13	-46.42	-75.93	-68.62	0.60	11.94	H
									H
									H
									H
									H
	1672	-63.07	-13	-50.07	-74.11	-69.43	0.41	8.92	V
	2509	-61.10	-13	-48.10	-75.74	-69.24	0.51	10.80	V
	3345	-59.32	-13	-46.32	-76.26	-68.52	0.60	11.94	V
									V
									V
									V
									V

Highest	1696	-63.11	-13	-50.11	-74.32	-69.55	0.41	9.01	H
	2539	-60.12	-13	-47.12	-75.59	-68.25	0.51	10.79	H
	3386	-59.83	-13	-46.83	-76.17	-69.17	0.60	12.09	H
									H
									H
									H
									H
	1696	-63.03	-13	-50.03	-74.3	-69.47	0.41	9.01	V
	2539	-61.00	-13	-48.00	-75.4	-69.13	0.51	10.79	V
	3386	-59.67	-13	-46.67	-76.23	-69.01	0.60	12.09	V
									V
									V
									V
									V

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

Part24E GPRS 1900

Mode 1_GPRS 1900									
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	-39.37	-13	-26.37	-58.45	-51.12	0.63	12.38	H
	5548	-49.01	-13	-36.01	-70.39	-60.35	0.81	12.15	H
	7400	-52.18	-13	-39.18	-76.48	-61.31	0.99	10.12	H
									H
									H
									H
									H
	3700	-42.46	-13	-29.46	-62.57	-54.21	0.63	12.38	V
	5548	-52.07	-13	-39.07	-73.92	-63.41	0.81	12.15	V
	7400	-52.02	-13	-39.02	-76.18	-61.15	0.99	10.12	V
									V
									V
									V
									V
Middle	3763	-39.41	-13	-26.41	-58.8	-51.11	0.64	12.34	H
	5639	-53.57	-13	-40.57	-74.4	-64.98	0.83	12.24	H
	7520	-51.93	-13	-38.93	-76.2	-60.93	0.99	9.99	H
									H
									H
									H
									H
	3763	-44.00	-13	-31.00	-63.77	-55.70	0.64	12.34	V
	5639	-52.11	-13	-39.11	-73.98	-63.52	0.83	12.24	V
	7520	-51.73	-13	-38.73	-75.94	-60.73	0.99	9.99	V
									V
									V
									V
									V

	3819	-47.67	-13	-34.67	-66.82	-59.33	0.65	12.31	H
	5729	-55.60	-13	-42.60	-76.73	-67.11	0.82	12.33	H
	7639	-51.44	-13	-38.44	-76.2	-61.00	0.98	10.54	H
									H
									H
									H
									H
Highest	3819	-48.13	-13	-35.13	-68.53	-59.79	0.65	12.31	V
	5729	-55.38	-13	-42.38	-77.63	-66.89	0.82	12.33	V
	7639	-51.46	-13	-38.46	-76.39	-61.02	0.98	10.54	V
									V
									V
									V
									V

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

Part24E EDGE 1900

Mode 2_EDGE 1900									
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	-50.87	-13	-37.87	-69.75	-62.62	0.63	12.38	H
	5548	-56.23	-13	-43.23	-77.18	-67.57	0.81	12.15	H
	7400	-52.48	-13	-39.48	-76.6	-61.61	0.99	10.12	H
									H
									H
									H
									H
	3700	-47.21	-13	-34.21	-66.79	-58.96	0.63	12.38	V
	5548	-55.73	-13	-42.73	-77.35	-67.07	0.81	12.15	V
	7400	-52.34	-13	-39.34	-76.44	-61.47	0.99	10.12	V
									V
									V
									V
									V
Middle	3763	-49.36	-13	-36.36	-68.3	-61.06	0.64	12.34	H
	5639	-55.59	-13	-42.59	-76.41	-67.00	0.83	12.24	H
	7520	-51.30	-13	-38.30	-75.5	-60.30	0.99	9.99	H
									H
									H
									H
									H
	3763	-52.83	-13	-39.83	-72.57	-64.53	0.64	12.34	V
	5639	-55.56	-13	-42.56	-77.27	-66.97	0.83	12.24	V
	7520	-51.45	-13	-38.45	-75.65	-60.45	0.99	9.99	V
									V
									V
									V
									V

	3819	-52.78	-13	-39.78	-71.74	-64.44	0.65	12.31	H
	5729	-56.81	-13	-43.81	-77.68	-68.32	0.82	12.33	H
	7639	-51.85	-13	-38.85	-76.42	-61.41	0.98	10.54	H
									H
									H
									H
									H
Highest	3819	-53.52	-13	-40.52	-73.33	-65.18	0.65	12.31	V
	5729	-55.59	-13	-42.59	-77.55	-67.10	0.82	12.33	V
	7639	-51.82	-13	-38.82	-76.26	-61.38	0.98	10.54	V
									V
									V
									V
									V

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

Part24E WCDMA 1900

Mode 3_WCDMA 1900									
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	3707	-56.63	-13	-43.63	-75.51	-68.37	0.63	12.38	H
	5557	-56.51	-13	-43.51	-77.45	-67.85	0.81	12.16	H
	7410	-51.86	-13	-38.86	-75.99	-60.97	0.99	10.10	H
									H
									H
									H
									H
	3707	-56.45	-13	-43.45	-76.03	-68.19	0.63	12.38	V
	5557	-55.73	-13	-42.73	-77.34	-67.07	0.81	12.16	V
	7410	-52.33	-13	-39.33	-76.46	-61.44	0.99	10.10	V
									V
									V
									V
									V
Middle	3763	-56.40	-13	-43.40	-75.34	-68.10	0.64	12.34	H
	5640	-56.57	-13	-43.57	-77.39	-67.98	0.83	12.24	H
	7520	-51.96	-13	-38.96	-76.16	-60.96	0.99	9.99	H
									H
									H
									H
									H
	3763	-55.77	-13	-42.77	-75.51	-67.47	0.64	12.34	V
	5640	-55.55	-13	-42.55	-77.26	-66.96	0.83	12.24	V
	7520	-51.67	-13	-38.67	-75.87	-60.67	0.99	9.99	V
									V
									V
									V
									V

	3815	-56.94	-13	-43.94	-75.9	-68.61	0.64	12.31	H
	5722	-56.92	-13	-43.92	-77.79	-68.42	0.82	12.32	H
	7630	-51.89	-13	-38.89	-76.39	-61.41	0.98	10.50	H
									H
									H
									H
									H
Highest	3815	-56.57	-13	-43.57	-76.38	-68.24	0.64	12.31	V
	5722	-55.90	-13	-42.90	-77.86	-67.40	0.82	12.32	V
	7630	-51.91	-13	-38.91	-76.27	-61.43	0.98	10.50	V
									V
									V
									V
									V

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

Part27L WCDMA 1700

Mode 1_WCDMA 1700									
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	3427	-56.12	-13	-43.12	-73.4	-67.75	0.60	12.24	H
	5137	-56.57	-13	-43.57	-77.57	-67.82	0.77	12.03	H
	6849	-53.42	-13	-40.42	-76.72	-63.52	0.93	11.03	H
									H
									H
									H
									H
	3427	-57.38	-13	-44.38	-74.97	-69.01	0.60	12.24	V
	5137	-55.32	-13	-42.32	-77.22	-66.57	0.77	12.03	V
	6849	-53.12	-13	-40.12	-76.92	-63.22	0.93	11.03	V
									V
									V
									V
									V
Middle	3465	-56.34	-13	-43.34	-74.03	-68.11	0.60	12.37	H
	5197	-56.56	-13	-43.56	-77.46	-67.83	0.76	12.04	H
	6930	-52.81	-13	-39.81	-76.36	-62.89	0.93	11.01	H
									H
									H
									H
									H
	3465	-56.74	-13	-43.74	-74.73	-68.51	0.60	12.37	V
	5197	-56.26	-13	-43.26	-77.73	-67.53	0.76	12.04	V
	6930	-52.16	-13	-39.16	-76.61	-62.24	0.93	11.01	V
									V
									V
									V
									V

	3504	-55.35	-13	-42.35	-73.53	-67.24	0.60	12.50	H
	5257	-56.72	-13	-43.72	-77.65	-68.00	0.77	12.05	H
	7010	-52.51	-13	-39.51	-76.74	-62.56	0.93	10.98	H
									H
									H
									H
									H
Highest	3504	-55.34	-13	-42.34	-73.88	-67.23	0.60	12.50	V
	5257	-56.07	-13	-43.07	-77.5	-67.35	0.77	12.05	V
	7010	-51.84	-13	-38.84	-76.7	-61.89	0.93	10.98	V
									V
									V
									V
									V

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

Radiated Spurious Emission

<Sample 3>

Part22H GPRS 850

Mode 1_GPRS 850									
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	-54.47	-13	-41.47	-65.12	-60.75	0.41	8.83	H
	2472	-57.92	-13	-44.92	-72.97	-66.03	0.51	10.76	H
	3296	-59.44	-13	-46.44	-75.69	-68.47	0.59	11.77	H
									H
	1648	-54.76	-13	-41.76	-65.4	-61.04	0.41	8.83	V
	2472	-60.14	-13	-47.14	-74.61	-68.25	0.51	10.76	V
	3296	-58.96	-13	-45.96	-75.64	-67.99	0.59	11.77	V
									V
									V
									V
									V
Middle	1672	-56.32	-13	-43.32	-67.09	-62.68	0.41	8.92	H
	2512	-51.21	-13	-38.21	-66.24	-59.35	0.51	10.80	H
	3345	-59.65	-13	-46.65	-75.82	-68.85	0.60	11.94	H
									H
									H
									H
									H
	1672	-54.76	-13	-41.76	-65.55	-61.12	0.41	8.92	V
	2512	-50.01	-13	-37.01	-64.37	-58.15	0.51	10.80	V
	3345	-59.06	-13	-46.06	-75.64	-68.26	0.60	11.94	V
									V
									V

Highest	1696	-56.23	-13	-43.23	-67.06	-62.67	0.41	9.01	H
	2544	-55.17	-13	-42.17	-70.19	-63.30	0.51	10.79	H
	3393	-59.44	-13	-46.44	-75.53	-68.80	0.60	12.11	H
									H
									H
									H
									H
	1696	-53.96	-13	-40.96	-64.83	-60.40	0.41	9.01	V
	2544	-54.90	-13	-41.90	-69.3	-63.03	0.51	10.79	V
	3393	-59.15	-13	-46.15	-75.64	-68.51	0.60	12.11	V
									V
									V
									V
									V

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

Part22H EDGE 850

Mode 2_EDGE 850									
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	-52.16	-13	-39.16	-62.81	-58.44	0.41	8.83	H
	2472	-47.93	-13	-34.93	-62.98	-56.04	0.51	10.76	H
	3296	-59.36	-13	-46.36	-75.61	-68.39	0.59	11.77	H
									H
									H
									H
									H
	1648	-58.38	-13	-45.38	-69.02	-64.66	0.41	8.83	V
	2472	-53.49	-13	-40.49	-67.96	-61.60	0.51	10.76	V
	3296	-59.09	-13	-46.09	-75.77	-68.12	0.59	11.77	V
									V
									V
									V
									V
Middle	1672	-50.67	-13	-37.67	-61.44	-57.03	0.41	8.92	H
	2509	-56.55	-13	-43.55	-71.58	-64.69	0.51	10.80	H
	3345	-59.56	-13	-46.56	-75.73	-68.76	0.60	11.94	H
									H
									H
									H
									H
	1672	-55.40	-13	-42.40	-66.19	-61.76	0.41	8.92	V
	2509	-53.85	-13	-40.85	-68.21	-61.99	0.51	10.80	V
	3345	-58.90	-13	-45.90	-75.48	-68.10	0.60	11.94	V
									V
									V

Highest	1696	-59.49	-13	-46.49	-70.32	-65.93	0.41	9.01	H
	2544	-54.14	-13	-41.14	-69.16	-62.27	0.51	10.79	H
	3393	-59.53	-13	-46.53	-75.62	-68.89	0.60	12.11	H
									H
									H
									H
									H
	1696	-59.26	-13	-46.26	-70.13	-65.70	0.41	9.01	V
	2544	-54.75	-13	-41.75	-69.15	-62.88	0.51	10.79	V
	3393	-59.20	-13	-46.20	-75.69	-68.56	0.60	12.11	V
									V
									V
									V
									V

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

Part22H WCDMA 850

Mode 3_WCDMA 850									
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	-63.01	-13	-50.01	-73.74	-69.30	0.41	8.85	H
	2479	-59.89	-13	-46.89	-74.94	-68.00	0.51	10.77	H
	3305	-59.17	-13	-46.17	-75.38	-68.23	0.59	11.80	H
									H
									H
									H
									H
	1652	-63.14	-13	-50.14	-73.82	-69.43	0.41	8.85	V
	2479	-60.74	-13	-47.74	-75.21	-68.85	0.51	10.77	V
	3305	-58.89	-13	-45.89	-75.52	-67.95	0.59	11.80	V
									V
									V
									V
									V
Middle	1672	-62.91	-13	-49.91	-73.68	-69.27	0.41	8.92	H
	2509	-59.97	-13	-46.97	-75	-68.11	0.51	10.80	H
	3345	-59.37	-13	-46.37	-75.54	-68.57	0.60	11.94	H
									H
									H
									H
									H
	1672	-63.08	-13	-50.08	-73.87	-69.44	0.41	8.92	V
	2509	-60.75	-13	-47.75	-75.11	-68.89	0.51	10.80	V
	3345	-58.70	-13	-45.70	-75.28	-67.90	0.60	11.94	V
									V
									V

Highest	1693	-62.97	-13	-49.97	-73.8	-69.40	0.41	8.99	H
	2539	-59.79	-13	-46.79	-74.81	-67.92	0.51	10.79	H
	3386	-59.47	-13	-46.47	-75.59	-68.81	0.60	12.09	H
									H
									H
									H
									H
	1693	-63.16	-13	-50.16	-74.03	-69.59	0.41	8.99	V
	2539	-60.72	-13	-47.72	-75.12	-68.85	0.51	10.79	V
	3386	-59.28	-13	-46.28	-75.8	-68.62	0.60	12.09	V
									V
									V
									V
									V

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

Part24E GPRS 1900

Mode 1_GPRS 1900									
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	-52.80	-13	-39.80	-71.68	-64.55	0.63	12.38	H
	5548	-53.35	-13	-40.35	-74.3	-64.69	0.81	12.15	H
	7400	-51.90	-13	-38.90	-76.02	-61.03	0.99	10.12	H
									H
									H
									H
									H
	3700	-52.57	-13	-39.57	-72.15	-64.32	0.63	12.38	V
	5548	-53.34	-13	-40.34	-74.96	-64.68	0.81	12.15	V
	7400	-51.45	-13	-38.45	-75.55	-60.58	0.99	10.12	V
									V
									V
									V
									V
Middle	3763	-44.81	-13	-31.81	-63.75	-56.51	0.64	12.34	H
	5639	-49.90	-13	-36.90	-70.72	-61.31	0.83	12.24	H
	7520	-51.59	-13	-38.59	-75.79	-60.59	0.99	9.99	H
									H
									H
									H
									H
	3763	-48.27	-13	-35.27	-68.01	-59.97	0.64	12.34	V
	5639	-49.68	-13	-36.68	-71.39	-61.09	0.83	12.24	V
	7520	-51.46	-13	-38.46	-75.66	-60.46	0.99	9.99	V
									V
									V

Highest	3819	-46.93	-13	-33.93	-65.89	-58.59	0.65	12.31	H
	5730	-56.06	-13	-43.06	-76.93	-67.57	0.82	12.33	H
	7641	-51.42	-13	-38.42	-75.99	-60.99	0.98	10.55	H
									H
									H
									H
									H
	3819	-49.63	-13	-36.63	-69.44	-61.29	0.65	12.31	V
	5730	-54.76	-13	-41.76	-76.72	-66.27	0.82	12.33	V
	7641	-51.35	-13	-38.35	-75.79	-60.92	0.98	10.55	V
									V
									V
									V
									V

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

Part24E EDGE 1900

Mode 2_EDGE 1900									
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	-54.72	-13	-41.72	-73.6	-66.47	0.63	12.38	H
	5548	-53.65	-13	-40.65	-74.6	-64.99	0.81	12.15	H
	7403	-51.85	-13	-38.85	-75.98	-60.97	0.99	10.11	H
									H
									H
									H
									H
	3700	-55.81	-13	-42.81	-75.39	-67.56	0.63	12.38	V
	5550	-53.79	-13	-40.79	-75.41	-65.13	0.81	12.15	V
	7403	-52.10	-13	-39.10	-76.23	-61.22	0.99	10.11	V
									V
									V
									V
									V
Middle	3763	-52.20	-13	-39.20	-71.14	-63.90	0.64	12.34	H
	5639	-51.85	-13	-38.85	-72.67	-63.26	0.83	12.24	H
	7522	-51.68	-13	-38.68	-75.88	-60.69	0.99	10.00	H
									H
									H
									H
									H
	3763	-54.37	-13	-41.37	-74.11	-66.07	0.64	12.34	V
	5639	-54.18	-13	-41.18	-75.89	-65.59	0.83	12.24	V
	7522	-51.67	-13	-38.67	-75.87	-60.68	0.99	10.00	V
									V
									V

	3819	-52.75	-13	-39.75	-71.71	-64.41	0.65	12.31	H
	5730	-52.02	-13	-39.02	-72.89	-63.53	0.82	12.33	H
	7641	-51.37	-13	-38.37	-75.94	-60.94	0.98	10.55	H
									H
									H
									H
									H
Highest	3819	-54.52	-13	-41.52	-74.33	-66.18	0.65	12.31	V
	5730	-51.28	-13	-38.28	-73.24	-62.79	0.82	12.33	V
	7641	-51.39	-13	-38.39	-75.83	-60.96	0.98	10.55	V
									V
									V
									V
									V

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

Part24E WCDMA 1900

Mode 3_WCDMA 1900									
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	3707	-57.14	-13	-44.14	-76.02	-68.88	0.63	12.38	H
	5555	-52.02	-13	-39.02	-72.96	-63.36	0.81	12.16	H
	7410	-51.75	-13	-38.75	-75.88	-60.86	0.99	10.10	H
									H
									H
									H
									H
	3707	-56.67	-13	-43.67	-76.25	-68.41	0.63	12.38	V
	5555	-55.45	-13	-42.45	-77.06	-66.79	0.81	12.16	V
	7410	-51.80	-13	-38.80	-75.93	-60.91	0.99	10.10	V
									V
									V
									V
									V
Middle	3763	-52.91	-13	-39.91	-71.85	-64.61	0.64	12.34	H
	5646	-33.94	-13	-20.94	-54.76	-45.35	0.83	12.25	H
	7522	-51.47	-13	-38.47	-75.67	-60.48	0.99	10.00	H
	9398	-45.07	-13	-32.07	-73.97	-55.87	1.08	11.88	H
									H
	3763	-54.64	-13	-41.64	-74.38	-66.34	0.64	12.34	V
	5646	-34.55	-13	-21.55	-56.26	-45.96	0.83	12.25	V
	7522	-51.52	-13	-38.52	-75.72	-60.53	0.99	10.00	V
	9398	-44.59	-13	-31.59	-72.63	-55.39	1.08	11.88	V
									V
									V
									V

Highest	3812	-57.33	-13	-44.33	-76.3	-69.00	0.64	12.31	H
	5723	-55.80	-13	-42.80	-76.67	-67.30	0.82	12.32	H
	7627	-51.60	-13	-38.60	-76.11	-61.10	0.98	10.48	H
									H
									H
									H
									H
	3812	-56.39	-13	-43.39	-76.22	-68.06	0.64	12.31	V
	5723	-55.35	-13	-42.35	-77.31	-66.85	0.82	12.32	V
	7627	-51.70	-13	-38.70	-76.07	-61.20	0.98	10.48	V
									V
									V
									V
									V

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

Part27L WCDMA 1700

Mode 1_WCDMA 1700									
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	3427	-58.20	-13	-45.20	-75.36	-69.83	0.60	12.24	H
	5135	-56.77	-13	-43.77	-77.52	-68.02	0.77	12.03	H
	6850	-53.61	-13	-40.61	-76.51	-63.71	0.93	11.03	H
									H
									H
	3427	-56.45	-13	-43.45	-73.99	-68.08	0.60	12.24	V
	5142	-54.20	-13	-41.20	-75.58	-65.46	0.77	12.03	V
	6850	-53.00	-13	-40.00	-76.7	-63.10	0.93	11.03	V
									V
									V
									V
									V
Middle	3462	-58.25	-13	-45.25	-75.83	-70.01	0.60	12.36	H
	5198	-56.52	-13	-43.52	-77.25	-67.80	0.76	12.04	H
	6927	-53.08	-13	-40.08	-76.49	-63.17	0.93	11.01	H
									H
									H
									H
									H
	3462	-57.77	-13	-44.77	-75.69	-69.53	0.60	12.36	V
	5198	-56.10	-13	-43.10	-77.3	-67.38	0.76	12.04	V
	6927	-52.33	-13	-39.33	-76.51	-62.42	0.93	11.01	V
									V
									V
									V
									V

Highest	3504	-57.82	-13	-44.82	-75.8	-69.71	0.60	12.50	H
	5261	-56.39	-13	-43.39	-77.13	-67.68	0.77	12.05	H
	7011	-52.71	-13	-39.71	-76.56	-62.76	0.93	10.98	H
									H
									H
									H
									H
	3504	-57.38	-13	-44.38	-75.68	-69.27	0.60	12.50	V
	5261	-55.87	-13	-42.87	-77.12	-67.16	0.77	12.05	V
	7011	-51.93	-13	-38.93	-76.49	-61.98	0.93	10.98	V
									V
									V
									V
									V

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