

RADIO TEST REPORT

Report No: STS1703217F01

Issued for

LB Technology

5100 Poplar Ave. Memphis Tennessee United States 38137

| | |
|-----------------------|----------------------|
| Product Name: | 8 Inch 4G Tablet |
| Brand Name: | LB Technology |
| Model Name: | WGHK21009 |
| Series Model: | N/A |
| FCC ID: | 2ADCR-WGHK21009 |
| Test Standard: | FCC Part 22H and 24E |

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TEST RESULT CERTIFICATION**Applicant's name** : LB Technology

Address..... : 5100 Poplar Ave. Memphis Tennessee United States 38137

Manufacture's Name : LB Technology

Address..... : 5100 Poplar Ave. Memphis Tennessee United States 38137

Product name..... : 8 Inch 4G Tablet

Brand name : LB Technology

Model and/or type reference .. : WGHK21009

Standards : FCC Part 22H and 24E

Test procedure ANSI/TIA 603-D (2010)

This device described above has been tested by BZT, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test

Date of performance of tests 27 Mar. 2017 ~ 13 Apr. 2017

Date of Issue 14 Apr. 2017

Test Result **Pass**

Testing Engineer :



(Leo li)

Technical Manager :



(Tony liu)

Authorized Signatory :



(Vita Li)

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Revision History

| Rev. | Issue Date | Report NO. | Effect Page | Contents |
|------|--------------|---------------|-------------|---------------|
| 00 | 14 Apr. 2017 | STS1703217F01 | ALL | Initial Issue |
| | | | | |

SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

The radiated emission testing was performed according to the procedures of ANSI/TIA-603-D: 2010, KDB 971168 D01 v02r02 and KDB 648474 D03 v01r04

| FCC Rules | Test Description | Test Limit | Test Result | Reference |
|----------------------------|--|---|-------------|-----------|
| 2.1049 | Conducted OutputPower | Reporting Only | PASS | |
| 2.0146 24.232 | Peak-to-AverageRatio | < 13 dB | PASS | |
| 2.1046 22.913 24.232 | Effective Radiated Power/Equivalent Isotropic Radiated Power | < 7 Watts max. ERP(Part 22) < 2 Watts max. EIRP(Part 24) | PASS | |
| 2.1049 22.917 24.238 | Occupied Bandwidth | Reporting Only | PASS | |
| 2.1055 22.355 24.235 | Frequency Stability | < 2.5 ppm (Part 22) Emission must remain in band (Part 24) | PASS | |
| 2.1051 22.917 24.238 | Spurious Emission at Antenna Terminals | < 43+10log10(P[Watts]) | PASS | |
| 2.1053 22.917 24.238 | Field Strength of Spurious Radiation | < 43+10log10(P[Watts]) | PASS | |
| 2.1051 22.917 24.238 | Band Edge | < 43+10log10(P[Watts]) | PASS | |

1 INTRODUCTION

1.1 TEST FACTORY

BZT Testing Technology Co., Ltd.

Add. : Buliding 17, Xinghua Road Xingwei industrial Park Fuyong,
Baoan District, Shenzhen, Guangdong, China

FCC Registration No.: 701733

1.2 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement data shown herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance. °

| No. | Item | Uncertainty |
|-----|--|---------------------------|
| 1 | RF power, conducted | $\pm 0.70\text{dB}$ |
| 2 | Spurious emissions, conducted | $\pm 1.19\text{dB}$ |
| 5 | All emissions, radiated (<1G) 30MHz-200MHz | $\pm 2.83\text{dB}$ |
| 6 | All emissions, radiated (<1G) 200MHz-1000MHz | $\pm 2.94\text{dB}$ |
| 7 | All emissions, radiated (>1G) | $\pm 3.03\text{dB}$ |
| 8 | Temperature | $\pm 0.5^{\circ}\text{C}$ |
| 9 | Humidity | $\pm 2\%$ |

2 PRODUCT INFORMATION

| | |
|---|--|
| Product Designation: | 8 Inch 4G Tablet |
| Hardware version number: | N/A |
| Software version number: | N/A |
| FCC ID: | 2ADCR-WG HK21009 |
| Tx Frequency: | GSM/GPRS/EDGE: 850: 824.2 MHz ~ 848.8 MHz 1900: 1850.2 MHz ~ 1909.8MHz WCDMA: Band V: 826.4 MHz ~ 846.6 MHz Band II: 1852.4 MHz ~ 1907.6 MHz |
| Rx Frequency: | GSM/GPRS/EDGE: 850: 869.2 MHz ~ 893.8 MHz 1900: 1930.2 MHz ~ 1989.8 MHz WCDMA: Band V: 871.4 MHz ~ 891.6 MHz Band II: 1932.4 MHz ~ 1987.6 MHz |
| Max RF Output Power: | GSM850:32.51dBm,PCS1900:29.23dBm GPRS850:32.35dBm,GPRS1900:29.00dBm EDGE850:32.43dBm,EDGE1900:29.10dBm WCDMA Band V:22.40dBm,WCDMA Band II:22.29dBm |
| Type of Emission: | GSM(850): 319KGXW; GSM(1900): 319KGXW GPRS(850): 322KGXW; GPRS(1900): 324KGXW EDGE(850): 318KG7W; EDGE(1900): 323KG7W WCDMA850: 4M69F9W WCDMA1900: 4M69F9W |
| SIM Card: | SIM 1 and SIM 2 is a chipset unit and tested as single chipset,SIM 1 is used to tested |
| Antenna: | PIFA Antenna |
| Antenna gain: | GSM 850: -3dBi ,PCS 1900: 0dBi WCDMA 850: -3dBi, WCDMA1900: 0dBi |
| Battery parameter: | Capacity: 6000mAh, Rated Voltage: 3.8V |
| GPRS/EDGE Class: | Multi-Class12 |
| Extreme Vol. Limits: | DC3.7 V to 4.35 V (Nominal DC3.8V) |
| Extreme Temp. Tolerance: | -20℃ to +45℃ |
| ** Note: The High Voltage 4.35 V and Low Voltage 3.7 V was declared by manufacturer, The EUT couldn't be operate normally with higher or lower voltage. | |

3 TEST CONFIGURATION OF EQUIPMENT UNDER TEST

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

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

Radiated emissions were investigated as following frequency range:

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

All modes and data rates and positions were investigated.

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

| | TEST MODES | |
|---------------|-------------------------------------|-------------------------------------|
| | RADIATED TCS | CONDUCTED TCS |
| BAND | | |
| GSM 850 | GSM LINK GPRS/EDGE CLASS 12 LINK | GSM LINK GPRS/EDGE CLASS 12 LINK |
| GSM 1900 | GSM LINK GPRS/EDGE CLASS 12 LINK | GSM LINK GPRS/EDGE CLASS 12 LINK |
| WCDMA BAND V | RMC 12.2KBPS LINK | RMC 12.2KBPS LINK |
| WCDMA BAND II | RMC 12.2KBPS LINK | RMC 12.2KBPS LINK |

4 MEASUREMENT INSTRUMENTS

| Kind of Equipment | Manufacturer | Type No. | Serial No. | Last Calibration | Calibrated Until |
|--|-----------------------|-----------------|----------------|------------------|------------------|
| Spectrum Analyzer | Agilent | E4407B | MY50140340 | 2016.10.23 | 2017.10.22 |
| Signal Analyzer | Agilent | N9020A | MY49100060 | 2016.10.23 | 2017.10.22 |
| Test Receiver | R&S | ESCI | 101427 | 2016.10.23 | 2017.10.22 |
| Communication Tester | Agilent | 8960 | MY48360751 | 2016.10.23 | 2017.10.22 |
| Communication Tester | R&S | CMU200 | 112012 | 2016.10.23 | 2017.10.22 |
| Test Receiver | R&S | ESCI | 102086 | 2016.10.23 | 2017.10.22 |
| Bilog Antenna | TESEQ | CBL6111D | 34678 | 2014.11.24 | 2017.11.23 |
| Bilog Antenna (Calibration antenna) | TESEQ | CBL6111D | 34678 | 2014.11.24 | 2017.11.23 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 9120D-1343 | 2015.03.05 | 2018.03.04 |
| Horn Antenna (Calibration antenna) | Schwarzbeck | BBHA 9120D | 9120D-1343 | 2015.03.05 | 2018.03.04 |
| MXA SIGNAL Analyzer | Agilent | N9020A | MY49100060 | 2016.10.23 | 2017.10.22 |
| Double Ridge Horn Antenna | COM-POWER CORPORATION | AH-840 | AHA-840 | 2016.10.23 | 2017.10.22 |
| Low frequency cable | N/A | R01 | N/A | NCR | NCR |
| High frequency cable | SCHWARZBECK | AK9515H | SN-96286/96287 | NCR | NCR |
| Vector signal generator | Agilent | E8257D-521 | MY45141029 | 2016.10.23 | 2017.10.22 |
| Power amplifier | DESAY | ZHL-42W | 9638 | 2016.10.23 | 2017.10.22 |
| Band Reject filter(1920-1980MHz) | COM-MW | ZBSF-1920-1980 | 0092 | 2016.10.23 | 2017.10.22 |
| Band Reject filter(880-915MHz) | COM-MW | ZBSF-C897.5-35 | 707 | 2016.10.23 | 2017.10.22 |
| Band Reject filter(1710-1785MHz) | COM-MW | ZBSF-C1747.5-75 | 708 | 2016.10.23 | 2017.10.22 |
| Band Reject filter(1850-1910MHz) | COM-MW | ZBSF-C1880-60 | 709 | 2016.10.23 | 2017.10.22 |
| Band Reject filter(2500-2570MHz) | COM-MW | ZBSF-C2535-70 | 710 | 2016.10.23 | 2017.10.22 |
| Highpass Filter | WHKX7.0/18G-8SS | Wainwright | 18 | 2016.10.23 | 2017.10.22 |

Equipment with a calibration date of "NCR" shown in this list was not used to make direct calibrated measurements.

5 TEST ITEMS

5.1 CONDUCTED OUTPUT POWER

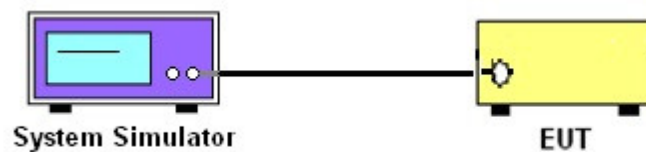
Test overview

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.

Test procedures

1. The transmitter output port was connected to the system simulator.
2. Set eut at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

Test setup



5.2 PEAK TO AVERAGE RATIO

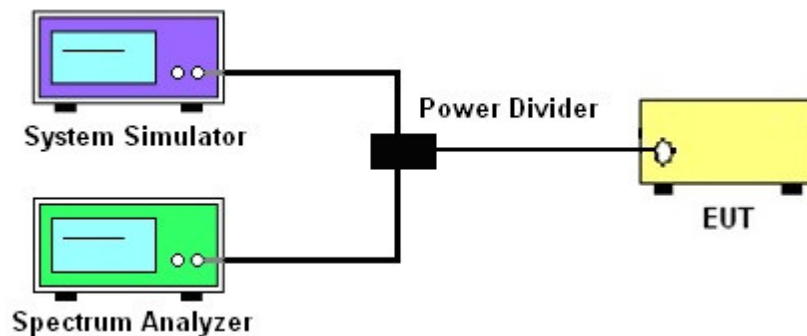
TEST OVERVIEW

According to §24.232(d), power measurements for transmissions by stations authorized under this section may be made either in accordance with a commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 db.

TEST PROCEDURES

1. The testing follows fcckdb 971168 v02r02 section
2. The eut was connected to the and peak and av system simulator& spectrum analysis reads
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure average power of the spectrum analysis

TEST SETUP



5.3 TRANSMITTER RADIATED POWER (EIRP/ERP)

TEST OVERVIEW

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-D-2010 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

TEST PROCEDURE

1. The testing follows FCC KDB 971168 D01 Section 5.2.1. (for CDMA/WCDMA), Section 5.2.2 (for GSM/GPRS/EDGE) and ANSI / TIA-603-D-2010 Section 2.2.17.
2. The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.
3. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.
4. The frequency range up to tenth harmonic of the fundamental frequency was investigated.
5. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a nonradiating cable. The absolute levels of the spurious emissions were measured by the substitution.
6. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP/ERP was calculated with the correction factor,

$$\text{ERP/EIRP} = \text{P.SG} + \text{GT} - \text{LC}$$
 ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} as, typically dBW or dBm);
 P_{Meas}(PK) = measured transmitter output power or PSD, in dBm or dBW;
 GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
 LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

5.4 OCCUPIED BANDWIDTH

TEST OVERVIEW

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

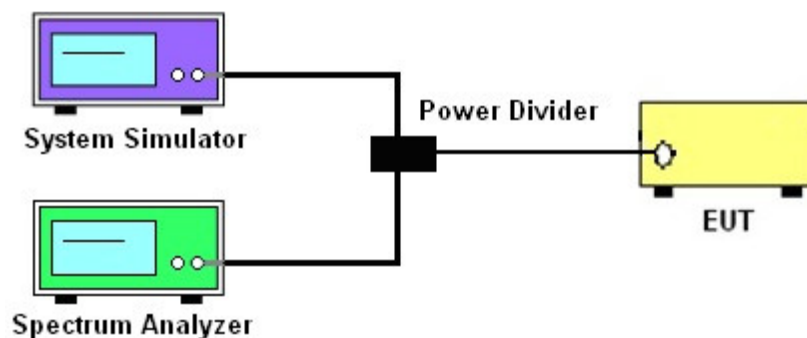
The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth)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

All modes of operation were investigated and the worst case configuration results are reported in this section.

TEST PROCEDURE

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. $RBW = 1 - 5\%$ of the expected OBW
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

TEST SETUP



5.5 FREQUENCY STABILITY

Test Overview

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-D-2010. The frequency stability of the transmitter is measured by:

- a.) Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) Primary Supply Voltage: The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure

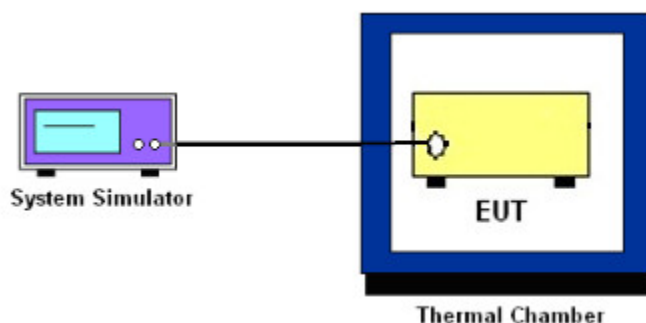
Temperature Variation

1. The testing follows fccdb 971168 D01 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.

Voltage Variation

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

TEST SETUP



5.6 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Overview

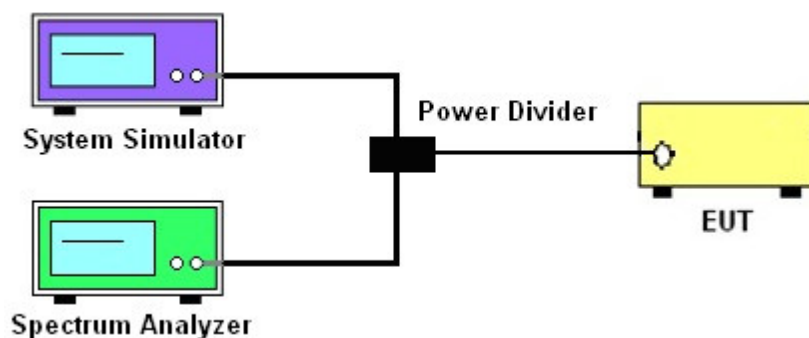
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

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

Test procedure

1. The testing FCC KDB 971168 D01 v02r02 Section 6.0. and ANSI/TIA-603-D-2010-Section 2.2.13.2(d)
2. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The middle channel for the highest RF power within the transmitting frequency was measured.
5. The conducted spurious emission for the whole frequency range was taken.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)}$
 $= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

Test Setup



5.7 BAND EDGE

OVERVIEW

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P[\text{Watts}])$, where P is the transmitter power in Watts.

TEST PROCEDURE

1. The testing FCC KDB 971168 D01 v02r02 Section 6.0. and ANSI/TIA-603-D-2010-Section 2.2.13.2(d)
2. Start and stop frequency were set such that the band edge would be placed in the center of the Plot.
3. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
4. 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.

5. The band edges of low and high channels for the highest RF powers were measured.

6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

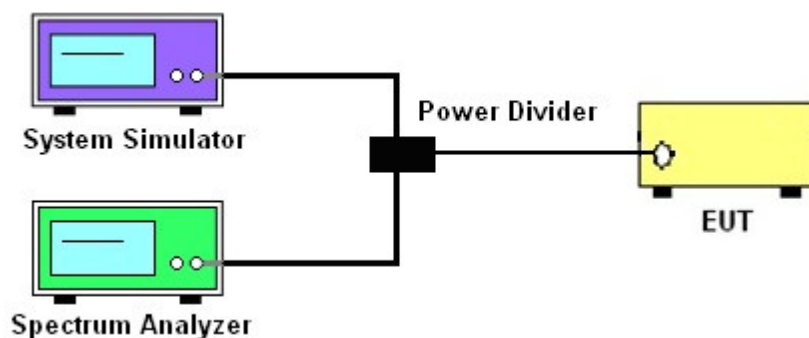
7. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$

TEST SETUP



5.8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

Test overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-D-2010 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power and at the appropriate frequencies.

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

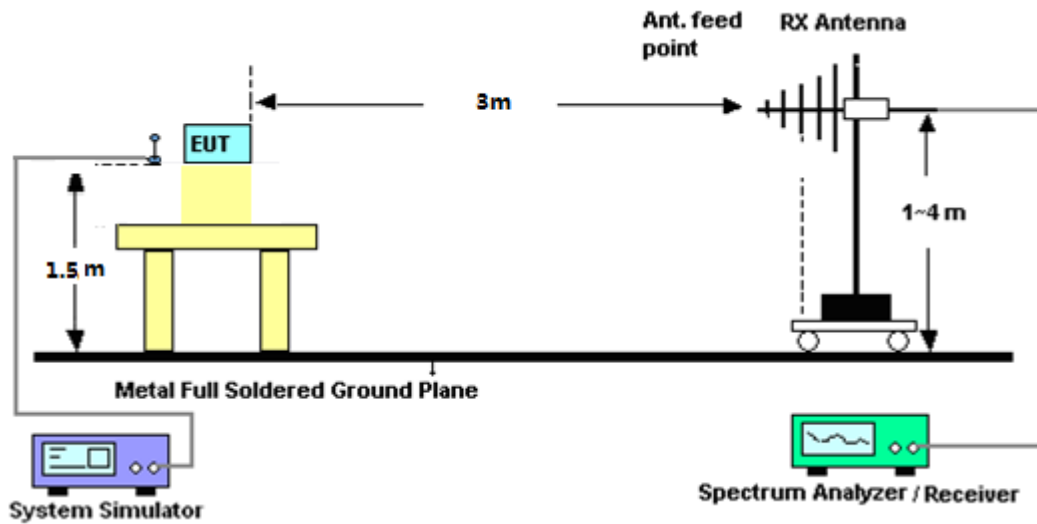
Test procedure

1. The testing FCC KDB 971168 D01 Section 5.8 and ANSI/TIA-603-D-2010-Section 2.2.12.2(b)
2. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $> 2 \times$ span/RBW
6. Detector = Peak
7. Trace mode = max hold
8. The trace was allowed to stabilize
9. Effective Isotropic Spurious Radiation was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by the substitution antenna at same location, and then a known power from S.G. was applied into the dipole antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain - Analyzer reading. Then the EUT's EIRP/ERP was calculated with the correction factor,

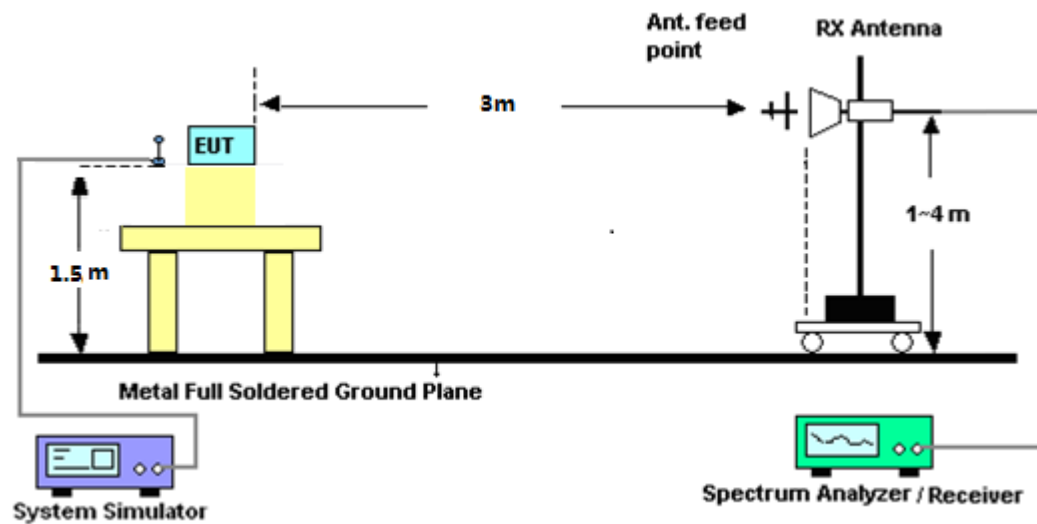
$$\text{ERP/EIRP} = \text{P.SG} + \text{GT} - \text{LC}$$
 ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);
 P.SG = measured transmitter output power or PSD, in dBm or dBW;
 GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
 LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

TEST SETUP

For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



APPENDIX A TEST RESULT
A1 CONDUCTED OUTPUT POWER

GSM 850:

| Mode | Frequency (MHz) | AVG Power |
|---------------------|-----------------|-----------|
| GSM850 | 824.2 | 32.66 |
| | 836.6 | 32.56 |
| | 848.8 | 32.47 |
| GPRS850 | 824.2 | 32.65 |
| | 836.6 | 32.55 |
| | 848.8 | 32.45 |
| EDGE850 (1 Slot) | 824.2 | 32.63 |
| | 836.6 | 32.53 |
| | 848.8 | 32.43 |

PCS 1900:

| Mode | Frequency (MHz) | AVG Power |
|----------------------|-----------------|-----------|
| GSM1900 | 1850.2 | 29.77 |
| | 1880.0 | 28.81 |
| | 1909.8 | 28.75 |
| GPRS1900 | 1850.2 | 29.75 |
| | 1880.0 | 28.8 |
| | 1909.8 | 28.74 |
| EDGE1900 (1 Slot) | 1850.2 | 29.73 |
| | 1880.0 | 28.78 |
| | 1909.8 | 28.72 |

UMTS BAND V

| Mode | Frequency(MHz) | AVG Power |
|--------------------|----------------|-----------|
| WCDMA 850 RMC | 826.4 | 22.31 |
| | 836.6 | 22.29 |
| | 846.6 | 22.40 |
| HSDPA Subtest 1 | 826.4 | 22.29 |
| | 836.6 | 22.27 |
| | 846.6 | 22.38 |
| HSDPA Subtest 2 | 826.4 | 21.88 |
| | 836.6 | 21.87 |
| | 846.6 | 21.90 |
| HSDPA Subtest 3 | 826.4 | 21.56 |
| | 836.6 | 21.38 |
| | 846.6 | 21.43 |
| HSDPA Subtest 4 | 826.4 | 21.26 |
| | 836.6 | 21.07 |
| | 846.6 | 21.03 |
| HSUPA Subtest 1 | 826.4 | 22.22 |
| | 836.6 | 22.20 |
| | 846.6 | 21.89 |
| HSUPA Subtest 2 | 826.4 | 21.29 |
| | 836.6 | 21.29 |
| | 846.6 | 20.93 |
| HSUPA Subtest 3 | 826.4 | 21.21 |
| | 836.6 | 20.81 |
| | 846.6 | 20.48 |
| HSUPA Subtest 4 | 826.4 | 20.75 |
| | 836.6 | 20.46 |
| | 846.6 | 20.05 |
| HSUPA Subtest 5 | 826.4 | 19.29 |
| | 836.6 | 19.05 |
| | 846.6 | 18.61 |

UMTS BAND II

| Mode | Frequency(MHz) | AVG Power |
|--------------------|----------------|-----------|
| WCDMA 1900 RMC | 1852.4 | 22.29 |
| | 1880 | 21.74 |
| | 1907.6 | 21.33 |
| HSDPA Subtest 1 | 1852.4 | 22.27 |
| | 1880 | 21.72 |
| | 1907.6 | 21.31 |
| HSDPA Subtest 2 | 1852.4 | 21.85 |
| | 1880 | 21.26 |
| | 1907.6 | 20.84 |
| HSDPA Subtest 3 | 1852.4 | 21.48 |
| | 1880 | 20.81 |
| | 1907.6 | 20.39 |
| HSDPA Subtest 4 | 1852.4 | 21.18 |
| | 1880 | 20.40 |
| | 1907.6 | 19.95 |
| HSUPA Subtest 1 | 1852.4 | 22.24 |
| | 1880 | 21.63 |
| | 1907.6 | 20.91 |
| HSUPA Subtest 2 | 1852.4 | 21.30 |
| | 1880 | 20.68 |
| | 1907.6 | 19.93 |
| HSUPA Subtest 3 | 1852.4 | 21.23 |
| | 1880 | 20.27 |
| | 1907.6 | 19.58 |
| HSUPA Subtest 4 | 1852.4 | 20.91 |
| | 1880 | 19.96 |
| | 1907.6 | 19.26 |
| HSUPA Subtest 5 | 1852.4 | 19.48 |
| | 1880 | 18.50 |
| | 1907.6 | 17.81 |

A2 PEAK-TO-AVERAGE RADIO

PCS 1900:

| Mode | Frequency (MHz) | PEAK Power | AVG Power | PAR |
|----------------------|-----------------|------------|-----------|------|
| PCS1900 | 1850.2 | 29.89 | 29.77 | 0.12 |
| | 1880 | 28.92 | 28.81 | 0.11 |
| | 1909.8 | 28.86 | 28.75 | 0.11 |
| GPRS1900 | 1850.2 | 29.87 | 29.75 | 0.12 |
| | 1880 | 28.90 | 28.8 | 0.10 |
| | 1909.8 | 28.86 | 28.74 | 0.12 |
| EDGE1900 (1 Slot) | 1850.2 | 29.85 | 29.73 | 0.12 |
| | 1880 | 28.89 | 28.78 | 0.11 |
| | 1909.8 | 28.84 | 28.72 | 0.12 |

UMTS BAND II:

| Mode | Frequency (MHz) | PEAK Power | AVG Power | PAR |
|-------------------|-----------------|------------|-----------|------|
| WCDMA 1900 RMC | 1852.4 | 24.84 | 22.29 | 2.55 |
| | 1880 | 24.71 | 21.74 | 2.97 |
| | 1907.6 | 24.05 | 21.33 | 2.72 |
| HSDPA 1900 | 1852.4 | 24.85 | 22.27 | 2.58 |
| | 1880 | 24.23 | 21.72 | 2.51 |
| | 1907.6 | 23.98 | 21.31 | 2.67 |
| HSUPA 1900 | 1852.4 | 25.19 | 22.24 | 2.95 |
| | 1880 | 24.50 | 21.63 | 2.87 |
| | 1907.6 | 23.87 | 20.91 | 2.96 |

A3 TRANSMITTER RADIATED POWER (EIRP/ERP)

| Radiated Power (ERP) for GSM 850 MHZ | | | | | | | |
|--------------------------------------|-----------|-----------------|------------|------------|------------------|--------------------------|------------|
| Mode | Frequency | Result | | | | | Conclusion |
| | | S G.Level (dBm) | Cable loss | Gain (dBi) | PMeas E.R.P(dBm) | Polarization Of Max. ERP | |
| GSM850 | 824.2 | 24.70 | 0.44 | 6.5 | 30.76 | Horizontal | Pass |
| | 824.2 | 26.45 | 0.44 | 6.5 | 32.51 | Vertical | Pass |
| | 836.6 | 24.16 | 0.45 | 6.5 | 30.21 | Horizontal | Pass |
| | 836.6 | 25.96 | 0.45 | 6.5 | 32.01 | Vertical | Pass |
| | 848.8 | 24.19 | 0.46 | 6.5 | 30.23 | Horizontal | Pass |
| | 848.8 | 25.91 | 0.46 | 6.5 | 31.95 | Vertical | Pass |
| GPRS850 | 824.2 | 24.59 | 0.44 | 6.5 | 30.65 | Horizontal | Pass |
| | 824.2 | 26.29 | 0.44 | 6.5 | 32.35 | Vertical | Pass |
| | 836.6 | 23.98 | 0.45 | 6.5 | 30.03 | Horizontal | Pass |
| | 836.6 | 25.67 | 0.45 | 6.5 | 31.72 | Vertical | Pass |
| | 848.8 | 24.19 | 0.46 | 6.5 | 30.23 | Horizontal | Pass |
| | 848.8 | 25.76 | 0.46 | 6.5 | 31.80 | Vertical | Pass |
| EDGE850 | 824.2 | 24.49 | 0.44 | 6.5 | 30.55 | Horizontal | Pass |
| | 824.2 | 26.37 | 0.44 | 6.5 | 32.43 | Vertical | Pass |
| | 836.6 | 24.23 | 0.45 | 6.5 | 30.28 | Horizontal | Pass |
| | 836.6 | 25.88 | 0.45 | 6.5 | 31.93 | Vertical | Pass |
| | 848.8 | 24.04 | 0.46 | 6.5 | 30.08 | Horizontal | Pass |
| | 848.8 | 25.69 | 0.46 | 6.5 | 31.73 | Vertical | Pass |

| Radiated Power (EIRP) for PCS 1900 MHZ | | | | | | | |
|--|-----------|--------------------|---------------|---------------|------------------------|------------------------------|------------|
| Mode | Frequency | Result | | | | | Conclusion |
| | | S G.Level (dBm) | Cable loss | Gain (dBi) | PMeas E.I.R.P.(dBm) | Polarization Of Max.EIRP. | |
| PCS1900 | 1850.2 | 19.41 | 2.41 | 10.35 | 27.35 | Horizontal | Pass |
| | 1850.2 | 21.29 | 2.41 | 10.35 | 29.23 | Vertical | Pass |
| | 1880 | 18.61 | 2.42 | 10.35 | 26.54 | Horizontal | Pass |
| | 1880 | 20.35 | 2.42 | 10.35 | 28.28 | Vertical | Pass |
| | 1909.8 | 18.33 | 2.43 | 10.35 | 26.25 | Horizontal | Pass |
| | 1909.8 | 20.29 | 2.43 | 10.35 | 28.21 | Vertical | Pass |
| GPRS1900 | 1850.2 | 19.47 | 2.41 | 10.35 | 27.41 | Horizontal | Pass |
| | 1850.2 | 21.06 | 2.41 | 10.35 | 29 | Vertical | Pass |
| | 1880 | 18.43 | 2.42 | 10.35 | 26.36 | Horizontal | Pass |
| | 1880 | 20.07 | 2.42 | 10.35 | 28 | Vertical | Pass |
| | 1909.8 | 18.49 | 2.43 | 10.35 | 26.41 | Horizontal | Pass |
| | 1909.8 | 20.18 | 2.43 | 10.35 | 28.1 | Vertical | Pass |
| EDGE1900 | 1850.2 | 19.44 | 2.41 | 10.35 | 27.38 | Horizontal | Pass |
| | 1850.2 | 21.16 | 2.41 | 10.35 | 29.1 | Vertical | Pass |
| | 1880 | 18.36 | 2.42 | 10.35 | 26.29 | Horizontal | Pass |
| | 1880 | 20.33 | 2.42 | 10.35 | 28.26 | Vertical | Pass |
| | 1909.8 | 18.52 | 2.43 | 10.35 | 26.44 | Horizontal | Pass |
| | 1909.8 | 20.04 | 2.43 | 10.35 | 27.96 | Vertical | Pass |

| Radiated Power (ERP) for WCDMA Band V | | | | | | | |
|---------------------------------------|-----------|-----------------|------------|------------|-------------------|-------------------------|------------|
| Mode | Frequency | Result | | | | | Conclusion |
| | | S G.Level (dBm) | Cable loss | Gain (dBi) | PMeas E.R.P (dBm) | Polarization Of Max.ERP | |
| Band V | 826.4 | 13.71 | 0.44 | 6.5 | 19.77 | Horizontal | Pass |
| | 826.4 | 15.62 | 0.44 | 6.5 | 21.68 | Vertical | Pass |
| | 835 | 13.81 | 0.45 | 6.5 | 19.86 | Horizontal | Pass |
| | 835 | 15.60 | 0.45 | 6.5 | 21.65 | Vertical | Pass |
| | 846.4 | 13.95 | 0.46 | 6.5 | 19.99 | Horizontal | Pass |
| | 846.4 | 15.75 | 0.46 | 6.5 | 21.79 | Vertical | Pass |

| Radiated Power (EIRP) for WCDMA Band II | | | | | | | |
|---|-----------|-----------------|------------|------------|---------------------|--------------------------|------------|
| Mode | Frequency | Result | | | | | Conclusion |
| | | S G.Level (dBm) | Cable loss | Gain (dBi) | PMeas E.I.R.P.(dBm) | Polarization Of Max.EIRP | |
| Band II | 1852.4 | 11.83 | 2.41 | 10.35 | 19.77 | Horizontal | Pass |
| | 1852.4 | 13.73 | 2.41 | 10.35 | 21.67 | Vertical | Pass |
| | 1880 | 11.29 | 2.42 | 10.35 | 19.22 | Horizontal | Pass |
| | 1880 | 13.26 | 2.42 | 10.35 | 21.19 | Vertical | Pass |
| | 1907.4 | 11 | 2.43 | 10.35 | 18.92 | Horizontal | Pass |
| | 1907.4 | 12.89 | 2.43 | 10.35 | 20.81 | Vertical | Pass |

A4 OCCUPIED BANDWIDTH(99% OCCUPIED BANDWIDTH/26DB BANDWIDTH)

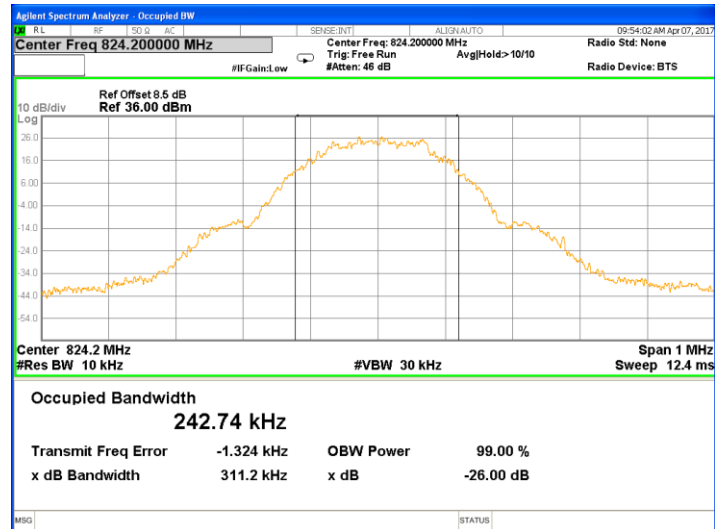
| Occupied Bandwidth for GSM 850 band | | | |
|---------------------------------------|----------------|-----------------------------------|--------------------------------------|
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(kHz) | Emission Bandwidth (-26dBc)(kHz) |
| Low Channel | 824.2 | 242.74 | 311.2 |
| Middle Channel | 836.6 | 245.24 | 314.9 |
| High Channel | 848.8 | 244.13 | 319.1 |
| Occupied Bandwidth for GPRS 850 band | | | |
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(kHz) | Emission Bandwidth (-26dBc)(kHz) |
| Low Channel | 824.2 | 246.80 | 322.9 |
| Middle Channel | 836.6 | 244.40 | 314.9 |
| High Channel | 848.8 | 245.07 | 312.0 |
| Occupied Bandwidth for EGPRS 850 band | | | |
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(kHz) | Emission Bandwidth (-26dBc)(kHz) |
| Low Channel | 824.2 | 247.51 | 319.6 |
| Middle Channel | 836.6 | 243.04 | 319.3 |
| High Channel | 848.8 | 241.24 | 317.9 |

| Occupied Bandwidth for GSM1900 band | | | |
|---------------------------------------|----------------|-----------------------------------|--------------------------------------|
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(kHz) | Emission Bandwidth (-26dBc)(kHz) |
| Low Channel | 1850.2 | 243.62 | 313.6 |
| Middle Channel | 1880.0 | 243.67 | 315.0 |
| High Channel | 1909.8 | 246.62 | 319.3 |
| Occupied Bandwidth for GPRS 1900 band | | | |
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(kHz) | Emission Bandwidth (-26dBc)(kHz) |
| Low Channel | 1850.2 | 243.68 | 314.9 |
| Middle Channel | 1880.0 | 245.85 | 323.9 |
| High Channel | 1909.8 | 246.09 | 324.2 |
| Occupied Bandwidth for EDGE 1900 band | | | |
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(kHz) | Emission Bandwidth (-26dBc)(kHz) |
| Low Channel | 1850.2 | 244.57 | 322.8 |
| Middle Channel | 1880.0 | 247.15 | 320.3 |
| High Channel | 1909.8 | 245.51 | 318.4 |

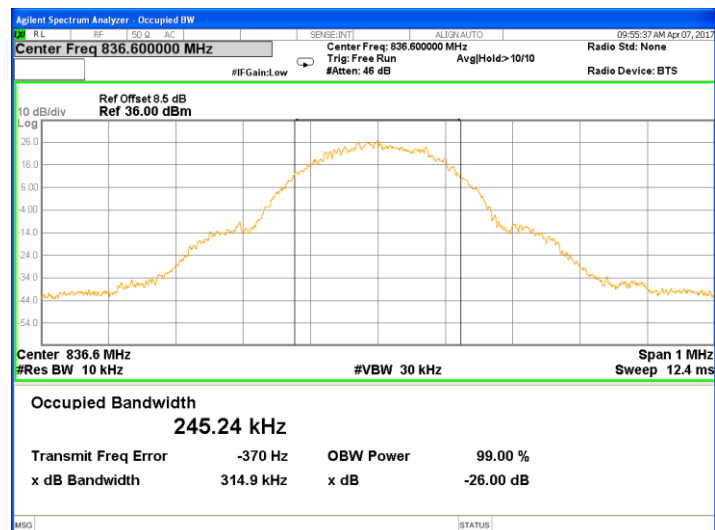
| Occupied Bandwidth for UMTS band V | | | |
|------------------------------------|----------------|-----------------------------------|--------------------------------------|
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(MHz) | Emission Bandwidth (-26dBc)(MHz) |
| Low Channel | 826.4 | 4.2415 | 4.881 |
| Middle Channel | 836.6 | 4.2054 | 4.832 |
| High Channel | 846.6 | 4.1878 | 4.835 |

| Occupied Bandwidth for UMTS band II | | | |
|-------------------------------------|----------------|-----------------------------------|--------------------------------------|
| Mode | Frequency(MHz) | Occupied Bandwidth (99%)(MHz) | Emission Bandwidth (-26dBc)(MHz) |
| Low Channel | 1852.4 | 4.2048 | 4.857 |
| Middle Channel | 1880 | 4.2160 | 4.871 |
| High Channel | 1907.6 | 4.2093 | 4.871 |

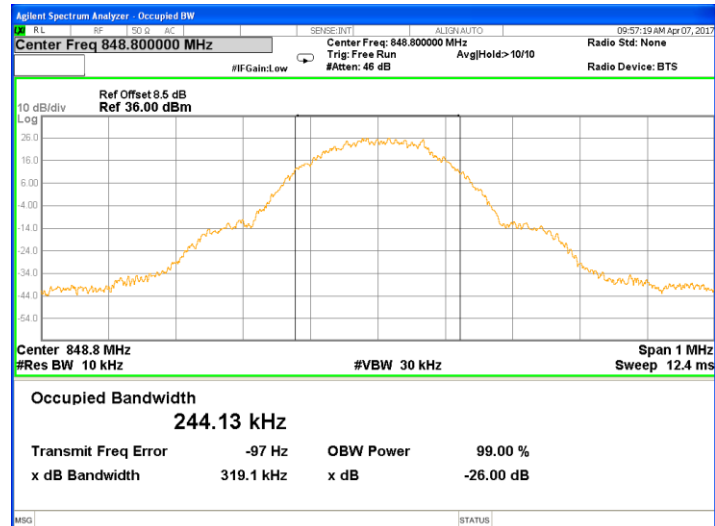
GSM 850 CH 128



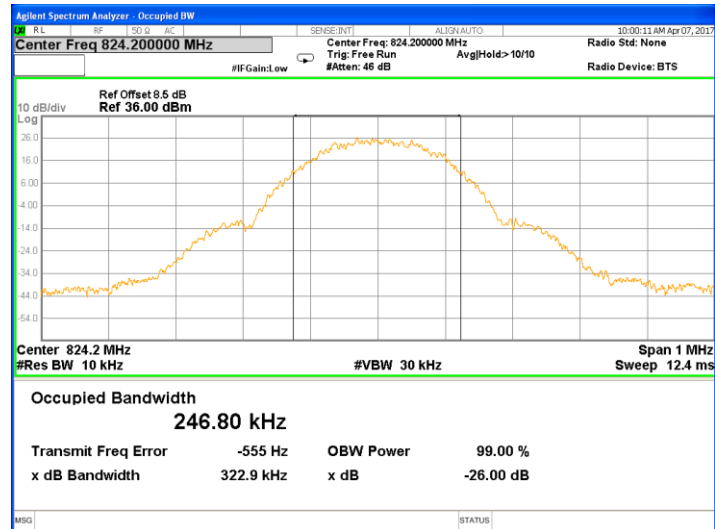
GSM 850 CH 190



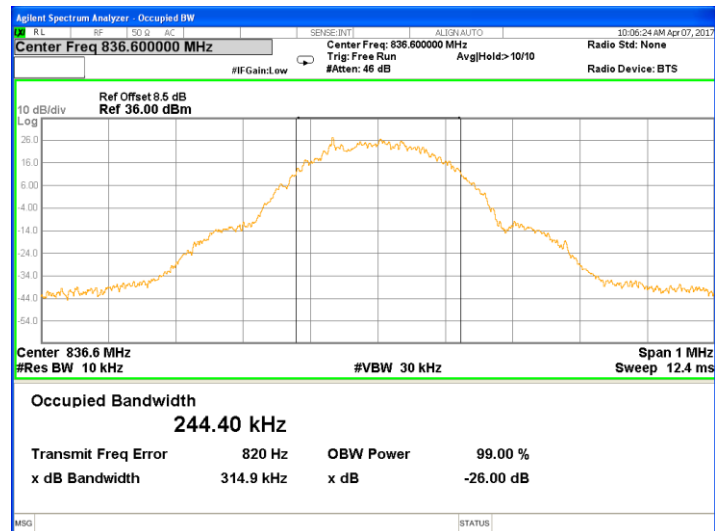
GSM 850 CH 251



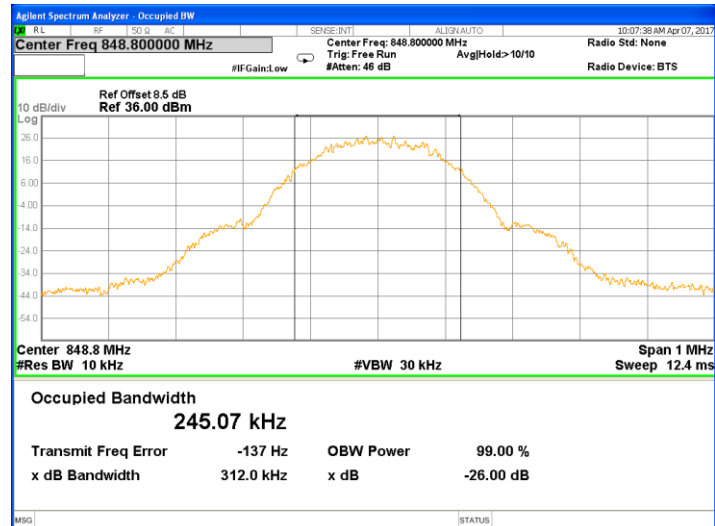
GPRS 850 CH 128



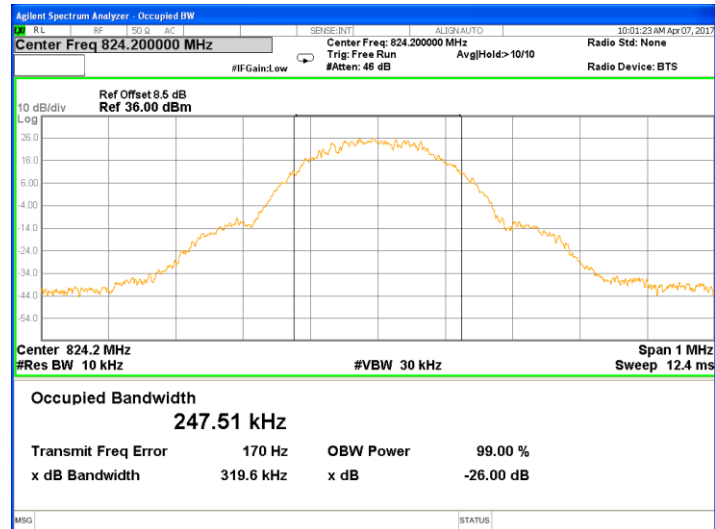
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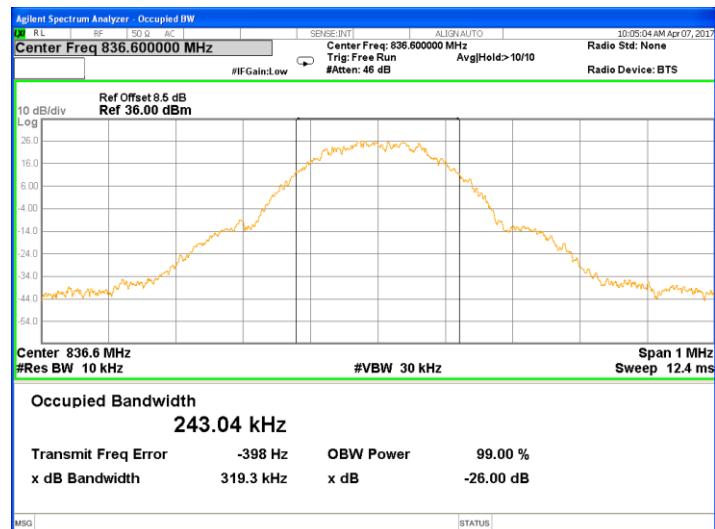
GPRS 850 CH 251



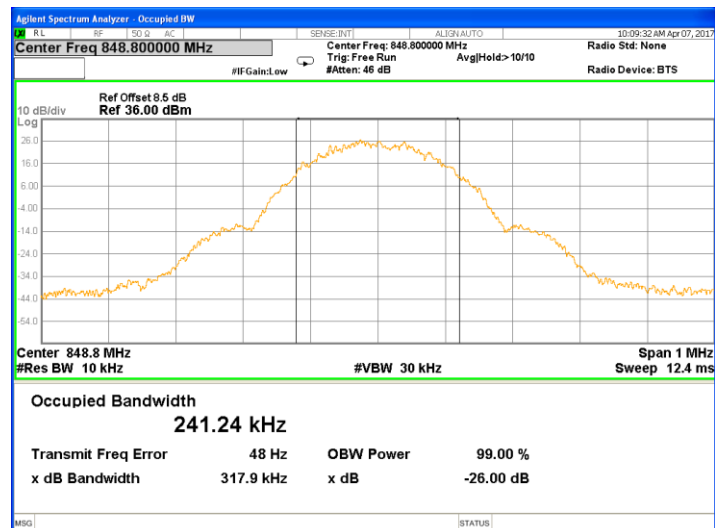
EDGE 850 CH 128



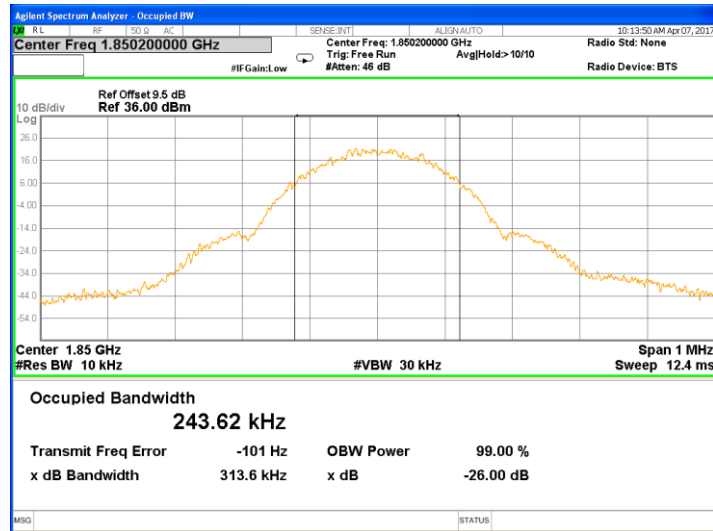
EDGE 850 CH 190



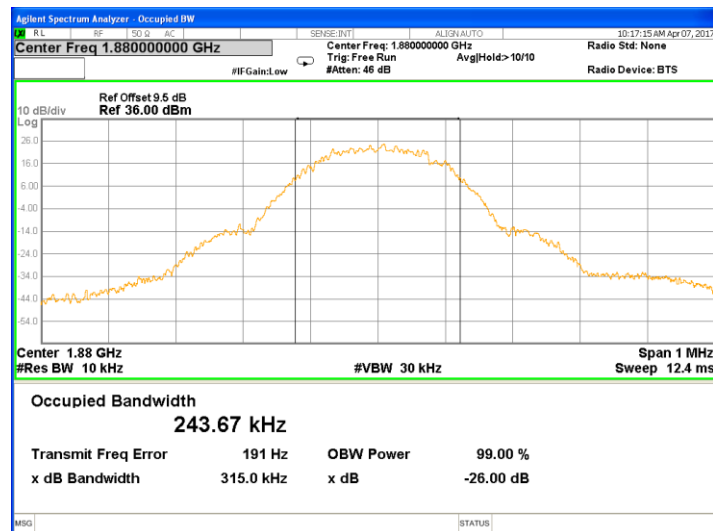
EDGE 850 CH 251



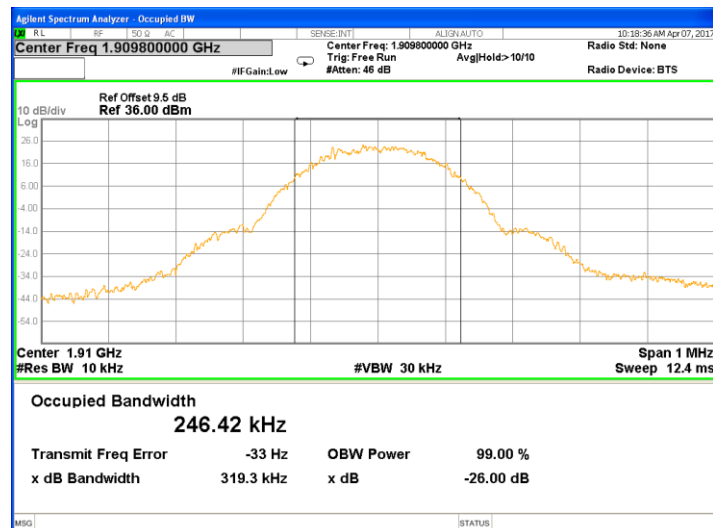
PCS 1900 CH 512



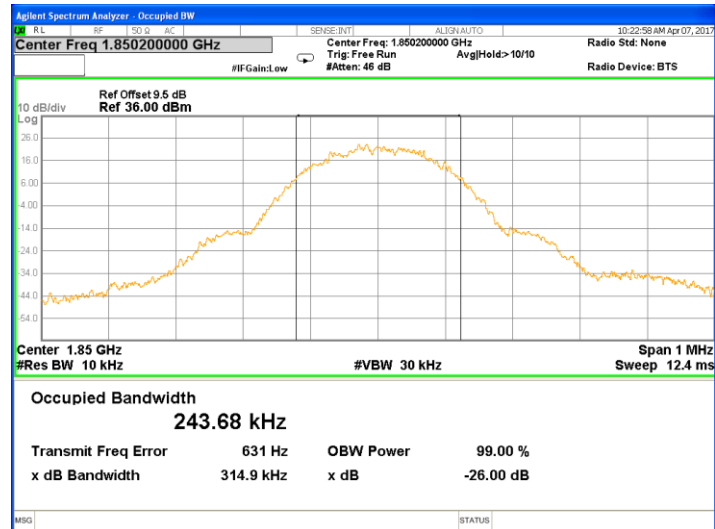
PCS 1900 CH 661



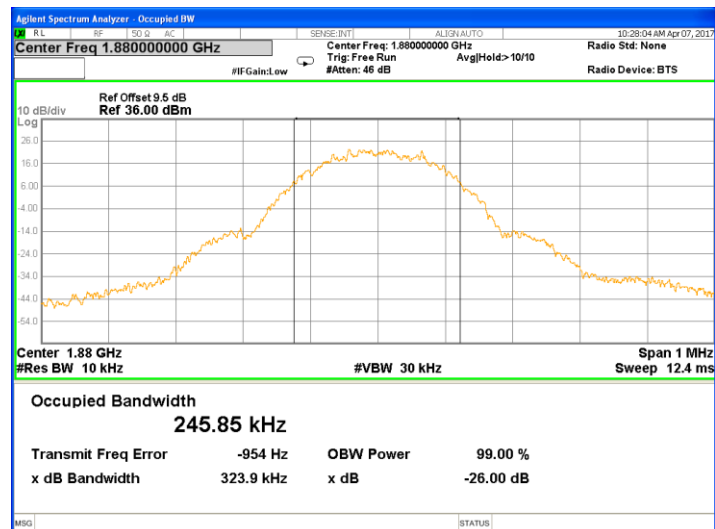
PCS 1900 CH 810



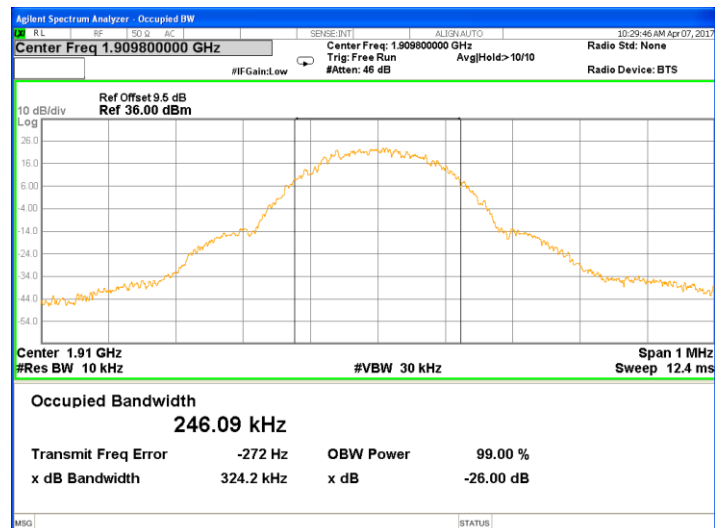
GPRS 1900 CH 512



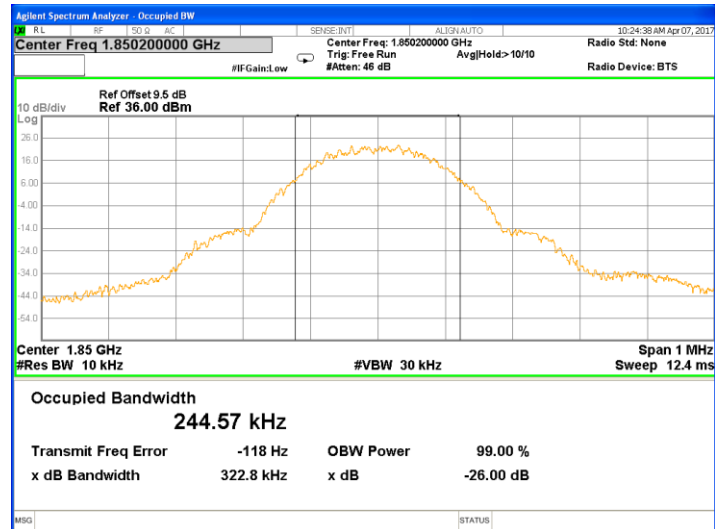
GPRS 1900 CH 661



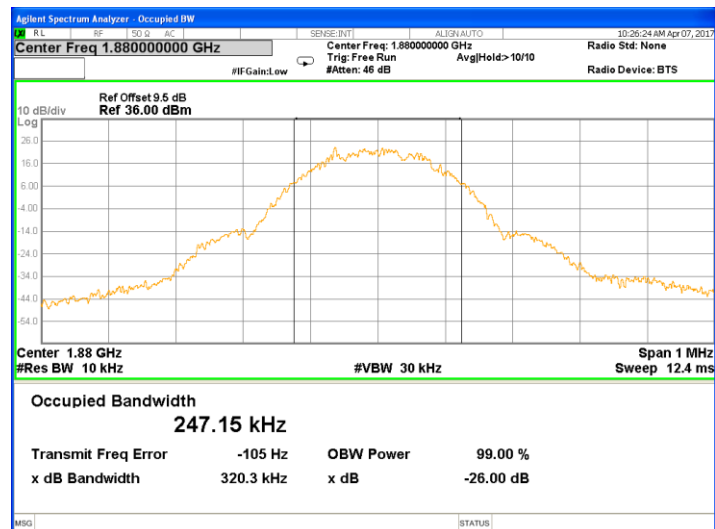
GPRS 1900 CH 810



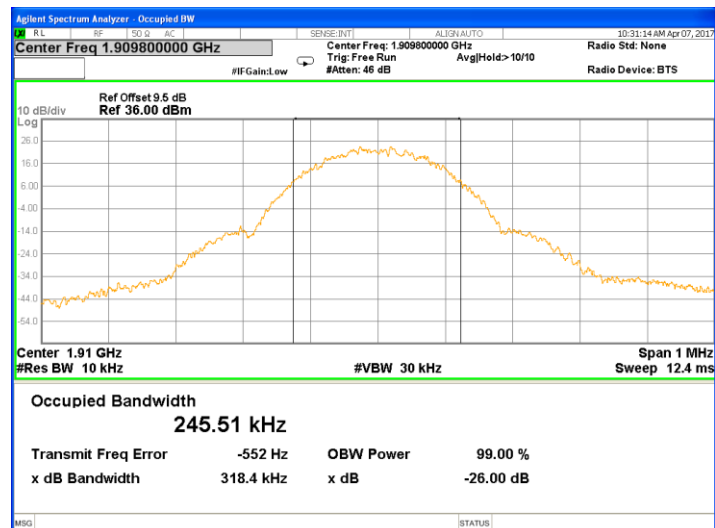
EDGE 1900 CH 512



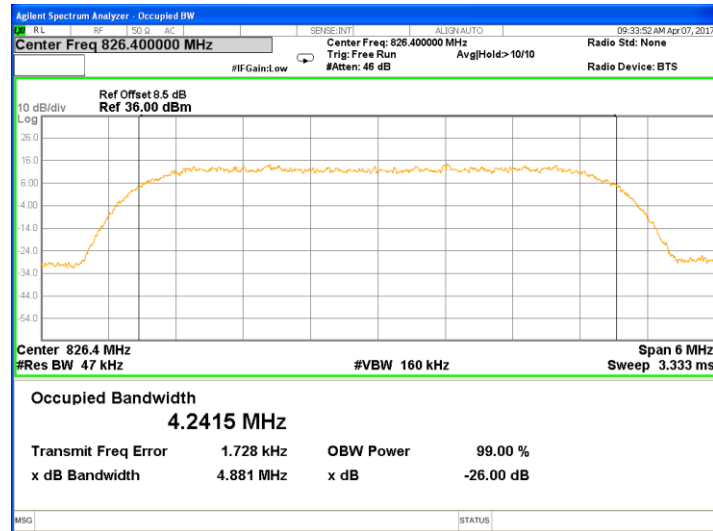
EDGE 1900 CH 661



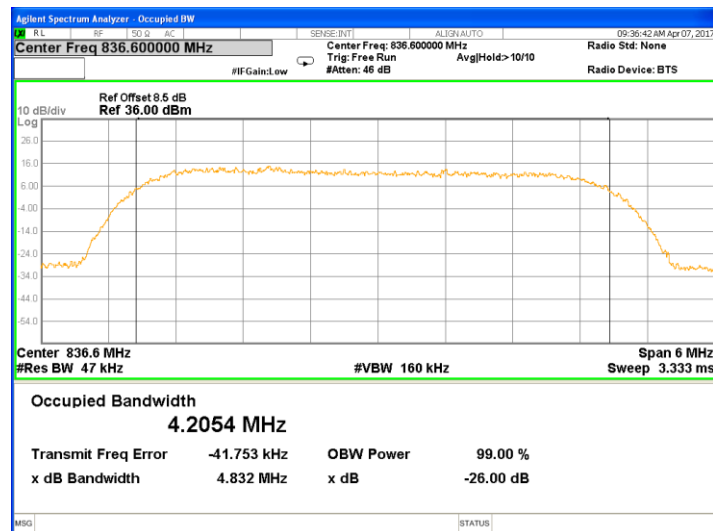
EDGE 1900 CH 810



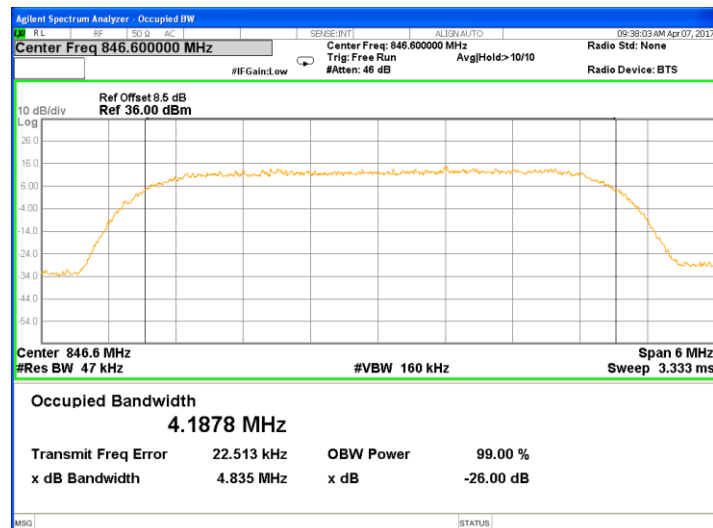
UMTS BAND V CH 4132



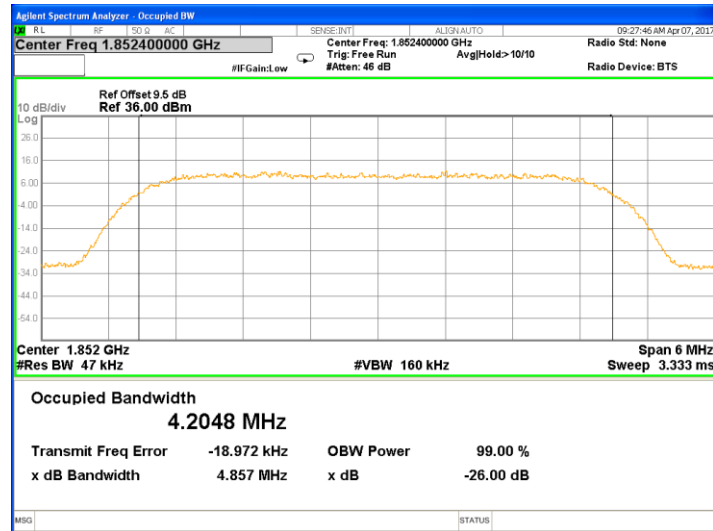
UMTS BAND V CH 4183



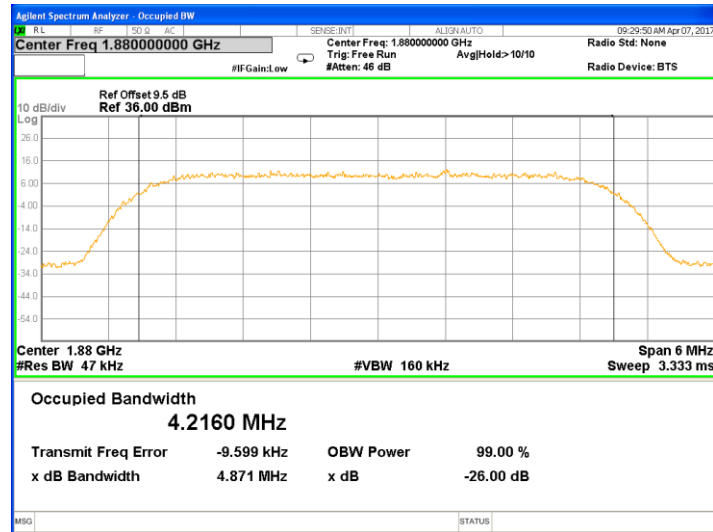
UMTS BAND V CH 4233



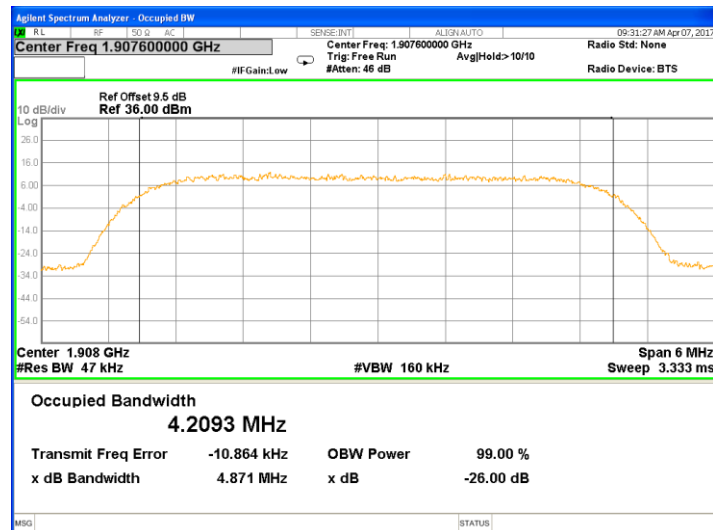
UMTS BAND II CH 9262



UMTS BAND II CH 9400



UMTS BAND II CH 9538



A5 FREQUENCY STABILITY

Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.7V.; Maximum Voltage =4.35 V

| GSM 850 Middle Channel/836.6MHz | | | | | |
|---------------------------------|-----------------|-----------------|------------------|--------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 21.33 | 0.255 | 2.5ppm | PASS |
| 40 | | 21.22 | 0.254 | | |
| 30 | | 20.16 | 0.241 | | |
| 20 | | 29.22 | 0.349 | | |
| 10 | | 24.55 | 0.293 | | |
| 0 | | 29.03 | 0.347 | | |
| -10 | | 25.22 | 0.301 | | |
| -20 | | 24.22 | 0.290 | | |
| -30 | | 21.83 | 0.261 | | |
| 25 | Maximum Voltage | 29.45 | 0.352 | | |
| 25 | BEP | 33.38 | 0.399 | | |

| GPRS 850 Middle Channel/836.6MHz | | | | | |
|----------------------------------|-----------------|-----------------|------------------|--------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 33.25 | 0.397 | 2.5ppm | PASS |
| 40 | | 17.93 | 0.214 | | |
| 30 | | 20.61 | 0.246 | | |
| 20 | | 22.66 | 0.271 | | |
| 10 | | 25.83 | 0.309 | | |
| 0 | | 19.56 | 0.234 | | |
| -10 | | 19.37 | 0.232 | | |
| -20 | | 16.97 | 0.203 | | |
| -30 | | 33.70 | 0.403 | | |
| 25 | Maximum Voltage | 18.22 | 0.024 | | |
| 25 | BEP | 29.83 | 0.014 | | |

| EDGE 850 Middle Channel/836.6MHz | | | | | |
|----------------------------------|-----------------|-----------------|------------------|--------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 32.04 | 0.383 | 2.5ppm | PASS |
| 40 | | 25.08 | 0.300 | | |
| 30 | | 35.54 | 0.425 | | |
| 20 | | 12.12 | 0.145 | | |
| 10 | | 18.89 | 0.226 | | |
| 0 | | 16.78 | 0.201 | | |
| -10 | | 29.81 | 0.356 | | |
| -20 | | 13.14 | 0.157 | | |
| -30 | | 15.13 | 0.181 | | |
| 25 | Maximum Voltage | 25.15 | 0.024 | | |
| 25 | BEP | 11.54 | 0.014 | | |

| GSM 1900 Middle Channel/1880MHz | | | | | |
|---------------------------------|-----------------|-----------------|------------------|------------------------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 12.57 | 0.007 | Within Authorized Band | PASS |
| 40 | | 16.36 | 0.009 | | |
| 30 | | 17.97 | 0.010 | | |
| 20 | | 33.91 | 0.018 | | |
| 10 | | 14.29 | 0.008 | | |
| 0 | | 29.26 | 0.016 | | |
| -10 | | 15.76 | 0.008 | | |
| -20 | | 36.13 | 0.019 | | |
| -30 | | 12.27 | 0.007 | | |
| 25 | Maximum Voltage | 20.29 | 0.011 | | |
| 25 | BEP | 34.01 | 0.018 | | |

| GPRS 1900 Middle Channel/1880MHz | | | | | |
|----------------------------------|-----------------|-----------------|------------------|------------------------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 35.59 | 0.019 | Within Authorized Band | PASS |
| 40 | | 29.61 | 0.016 | | |
| 30 | | 12.29 | 0.007 | | |
| 20 | | 35.30 | 0.019 | | |
| 10 | | 33.91 | 0.018 | | |
| 0 | | 15.15 | 0.008 | | |
| -10 | | 20.48 | 0.011 | | |
| -20 | | 32.97 | 0.018 | | |
| -30 | | 25.18 | 0.013 | | |
| 25 | Maximum Voltage | 26.04 | 0.014 | | |
| 25 | BEP | 33.22 | 0.018 | | |

| EDGE 1900 Middle Channel/1880MHz | | | | | |
|----------------------------------|-----------------|-----------------|------------------|------------------------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 25.80 | 0.014 | Within Authorized Band | PASS |
| 40 | | 22.43 | 0.012 | | |
| 30 | | 34.37 | 0.018 | | |
| 20 | | 26.11 | 0.014 | | |
| 10 | | 29.24 | 0.016 | | |
| 0 | | 18.09 | 0.010 | | |
| -10 | | 26.74 | 0.014 | | |
| -20 | | 26.26 | 0.014 | | |
| -30 | | 32.85 | 0.017 | | |
| 25 | Maximum Voltage | 15.16 | 0.008 | | |
| 25 | BEP | 13.00 | 0.007 | | |

| WCDMA V Middle Channel/836.6MHz | | | | | |
|---------------------------------|-----------------|-----------------|------------------|--------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 29.19 | 0.349 | 2.5ppm | PASS |
| 40 | | 25.97 | 0.310 | | |
| 30 | | 19.30 | 0.231 | | |
| 20 | | 34.02 | 0.407 | | |
| 10 | | 15.30 | 0.183 | | |
| 0 | | 26.22 | 0.313 | | |
| -10 | | 21.85 | 0.261 | | |
| -20 | | 22.07 | 0.264 | | |
| -30 | | 32.31 | 0.386 | | |
| 25 | Maximum Voltage | 21.21 | 0.254 | | |
| 25 | BEP | 16.51 | 0.197 | | |

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

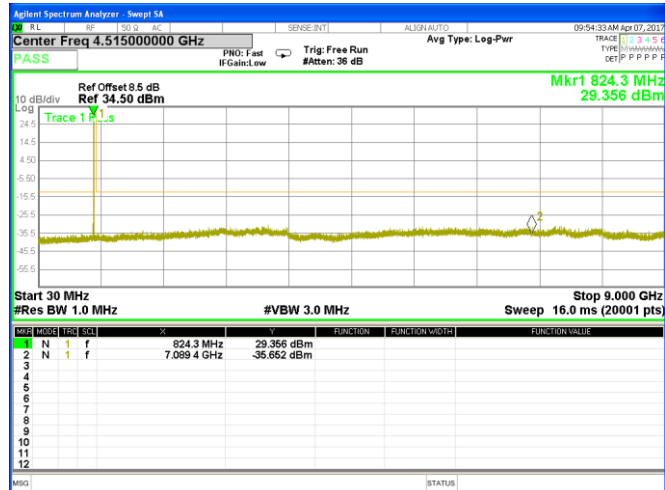
| WCDMA II Middle Channel/1880MHz | | | | | |
|---------------------------------|-----------------|-----------------|------------------|------------------------|--------|
| Temperature (°C) | Voltage (Volt) | Freq. Dev. (Hz) | Freq. Dev. (ppm) | Limit | Result |
| 50 | Normal Voltage | 29.15 | 0.016 | Within Authorized Band | PASS |
| 40 | | 27.43 | 0.015 | | |
| 30 | | 33.71 | 0.018 | | |
| 20 | | 17.86 | 0.010 | | |
| 10 | | 20.54 | 0.011 | | |
| 0 | | 13.40 | 0.007 | | |
| -10 | | 28.52 | 0.015 | | |
| -20 | | 32.10 | 0.017 | | |
| -30 | | 26.67 | 0.014 | | |
| 25 | Maximum Voltage | 31.37 | 0.017 | | |
| 25 | BEP | 21.59 | 0.011 | | |

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

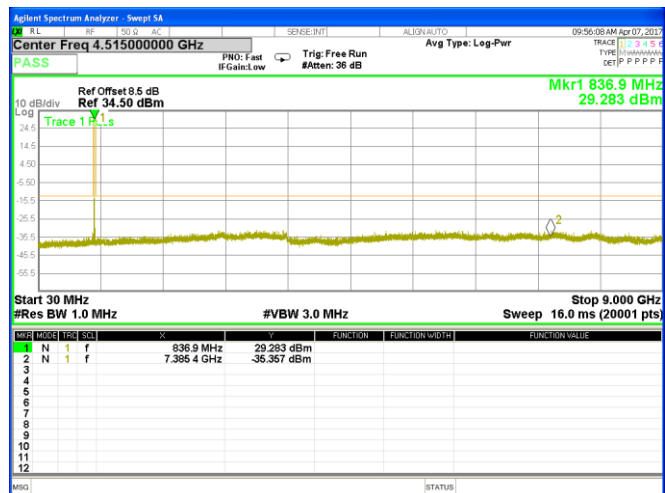
A6 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

GSM 850 BAND

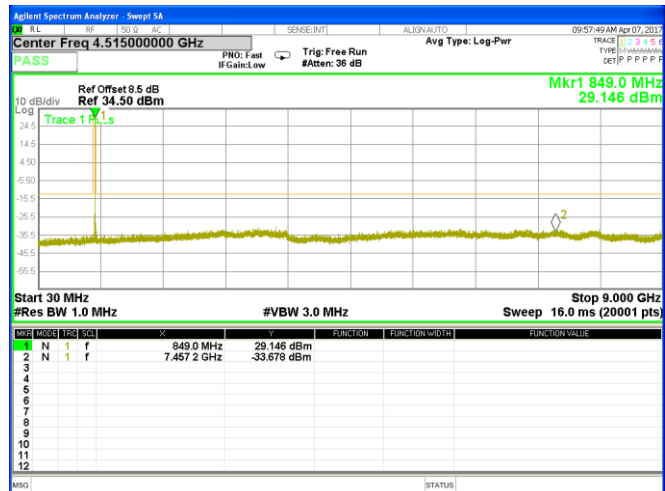
Lowest Channel



Middle Channel

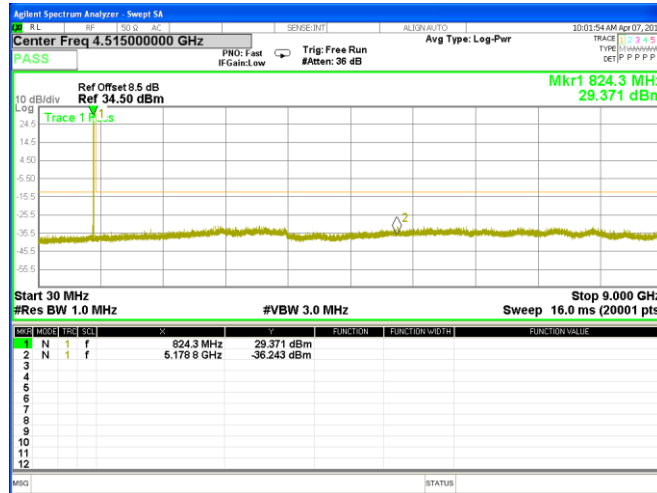


Highest Channel

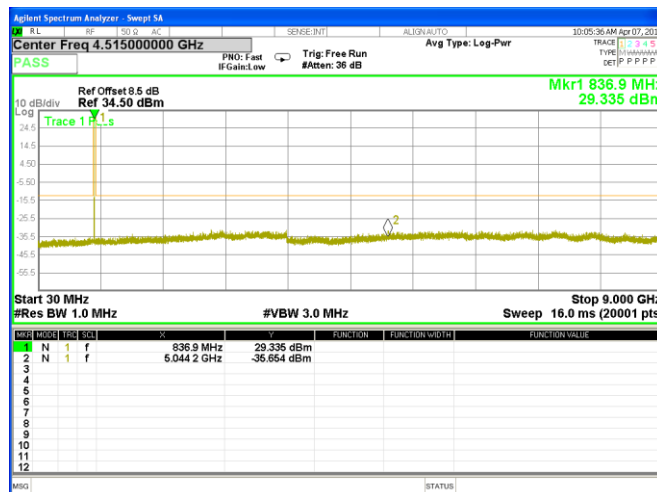


EDGE 850 BAND

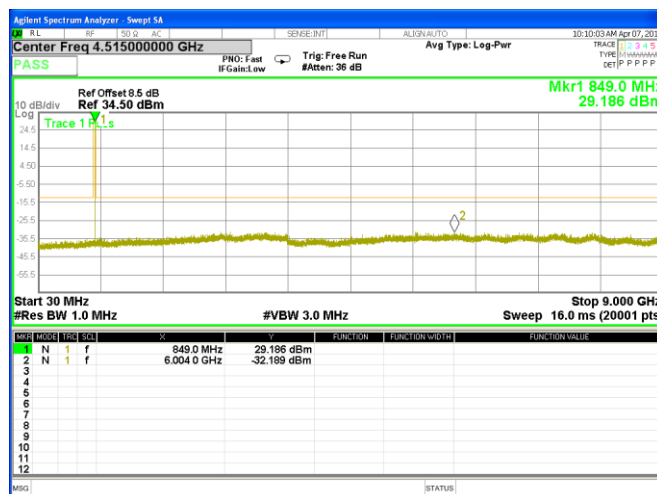
Lowest Channel



Middle Channel

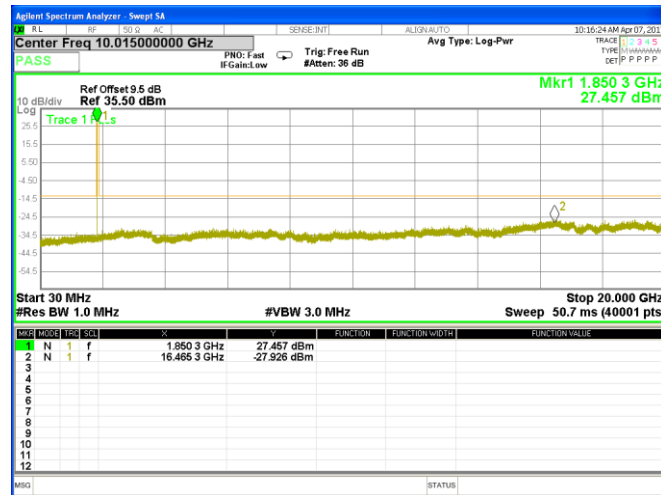


Highest Channel

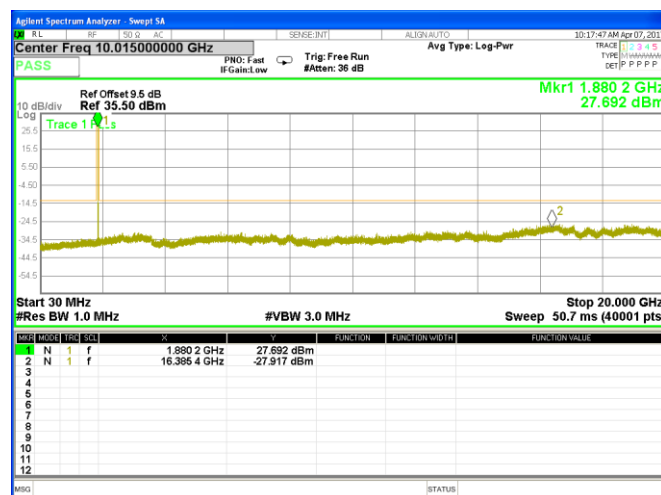


GSM1900 BAND(30M-20G)

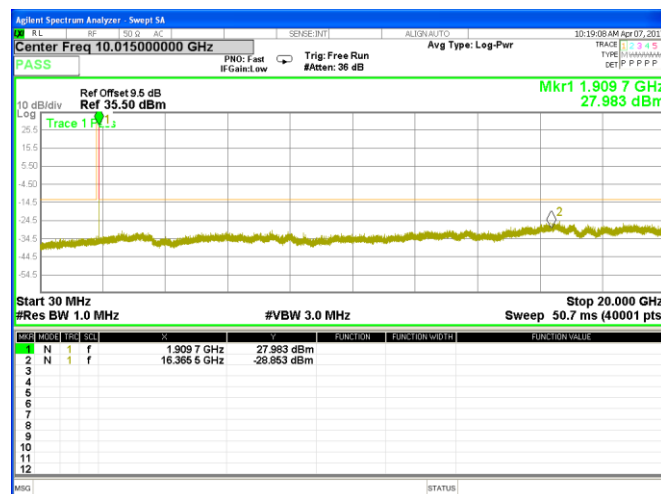
Lowest Channel



Middle Channel

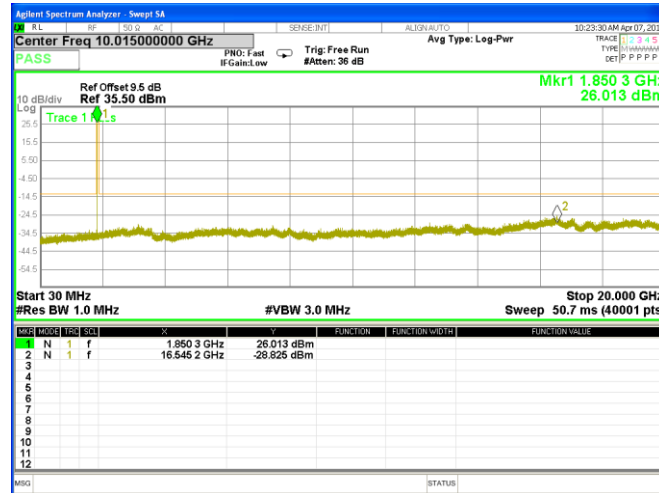


Highest Channel

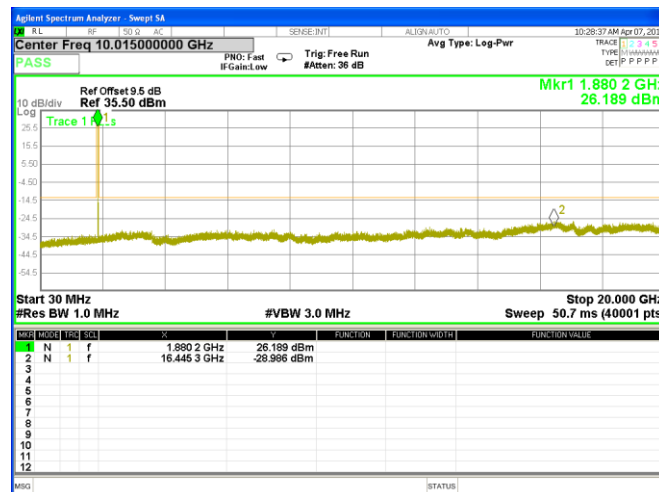


GPRS1900 BAND(30M-20G)

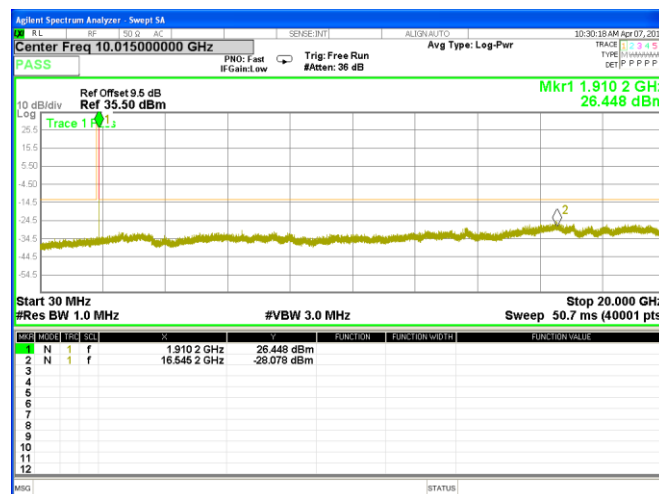
Lowest Channel



Middle Channel

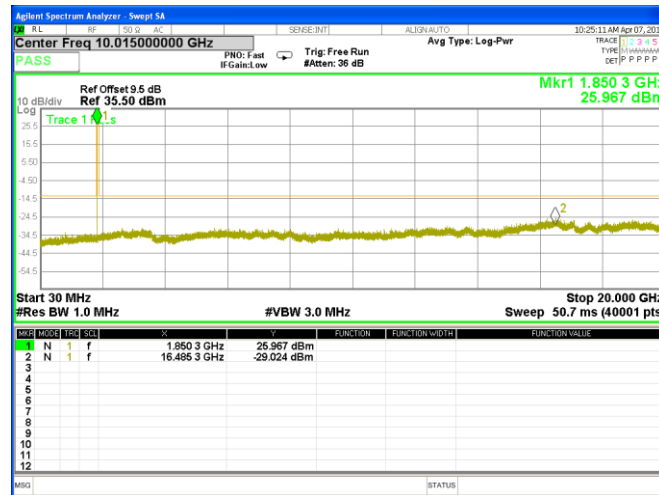


Highest Channel

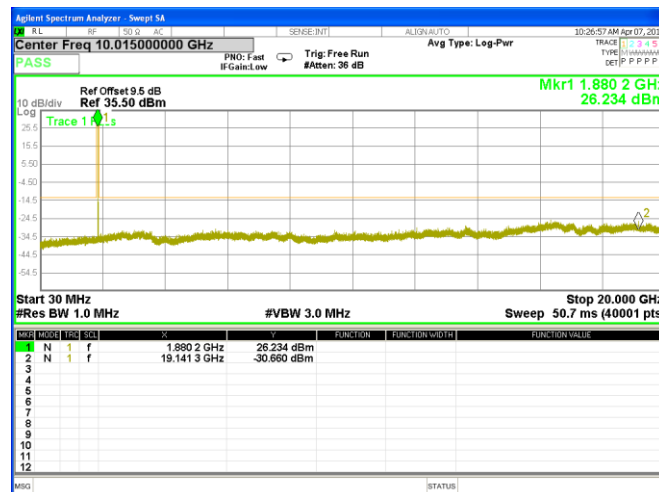


EDGE 1900 BAND(30M-20G)

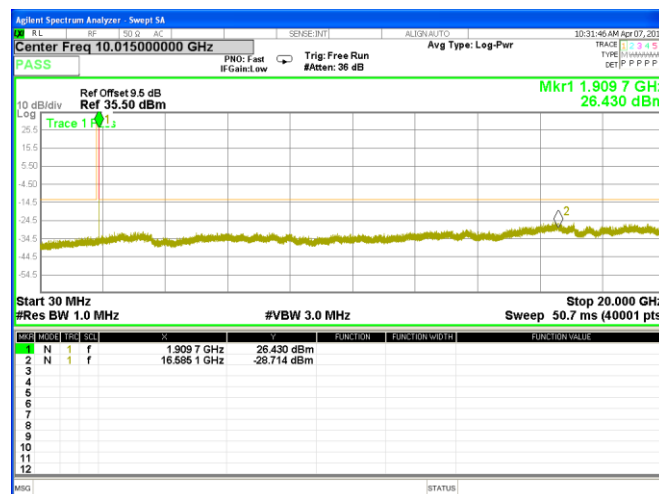
Lowest Channel



Middle Channel

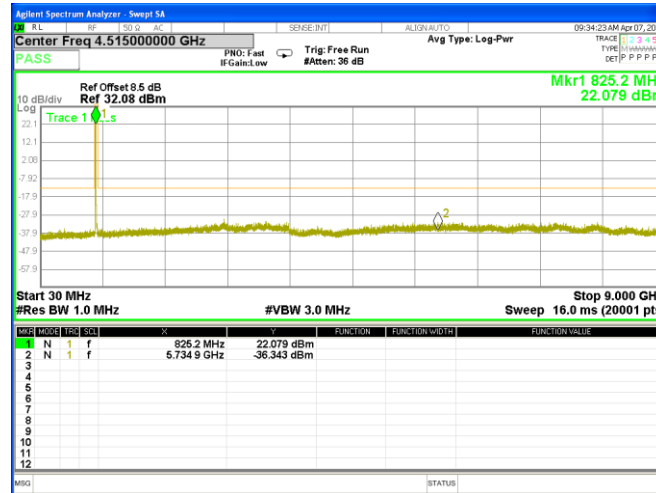


Highest Channel

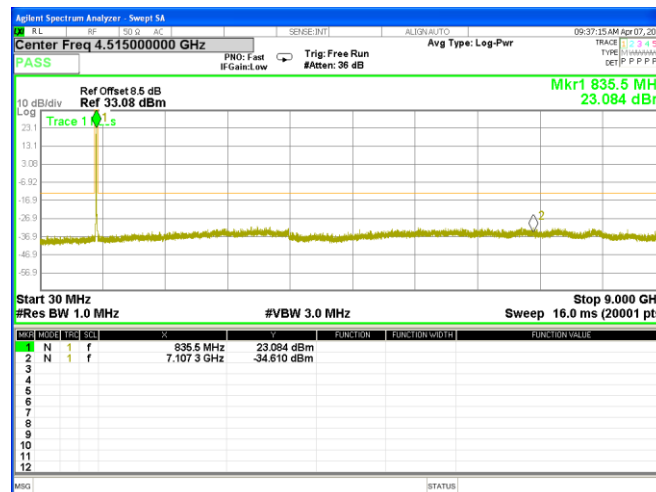


WCDMA Band V (RMC 12.2Kbps)

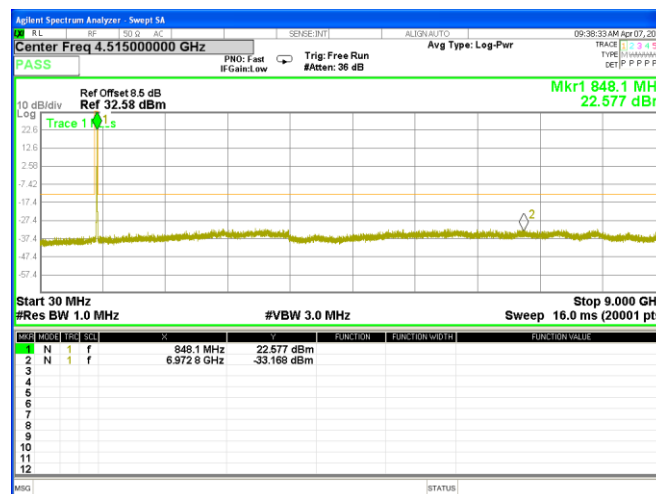
Lowest Channel



Middle Channel



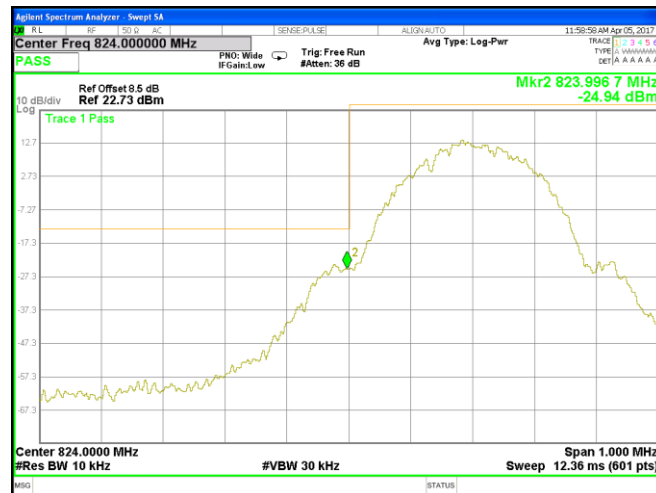
Highest Channel



A7 BAND EDGE

GSM 850

Lowest Band Edge

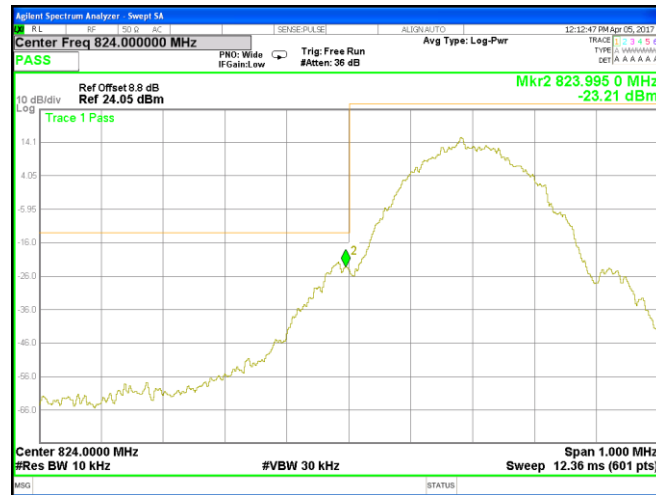


Highest Band Edge

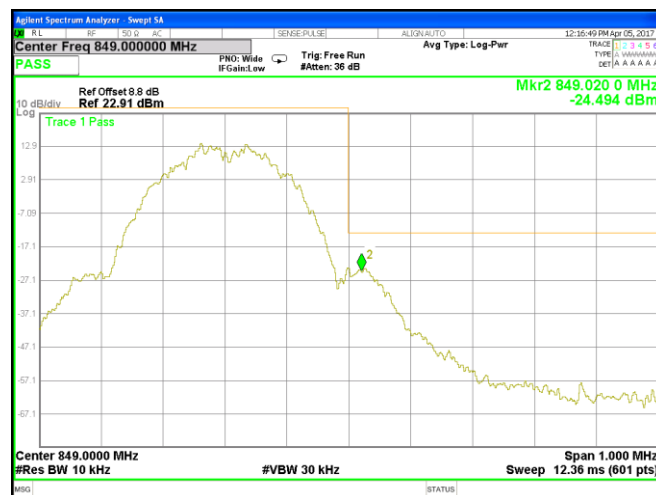


GPRS 850

Lowest Band Edge

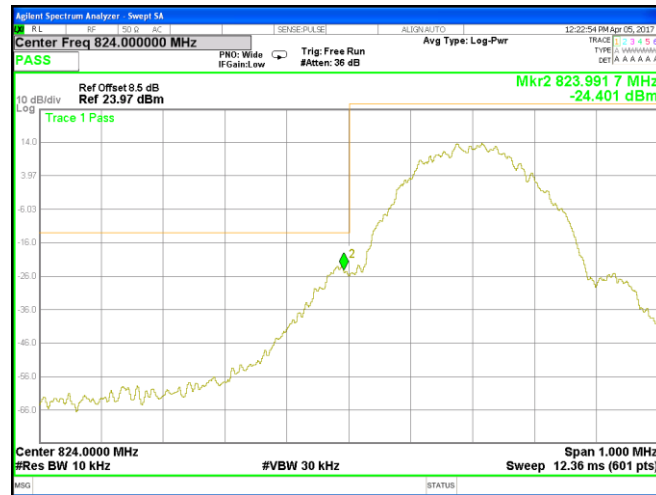


Highest Band Edge



EDGE 850

Lowest Band Edge

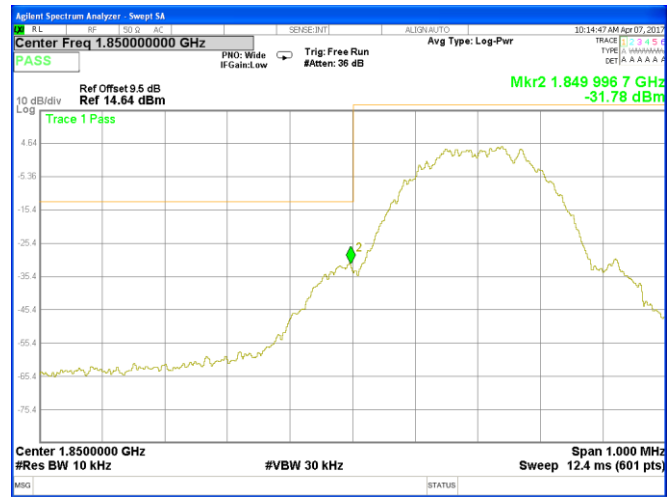


Highest Band Edge

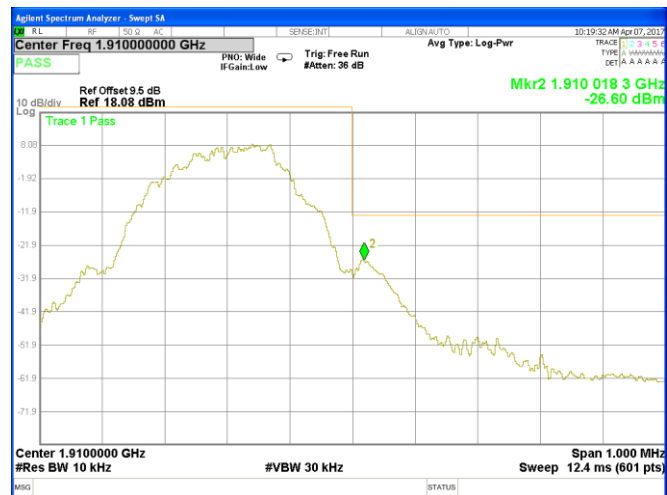


GSM 1900

Lowest Band Edge

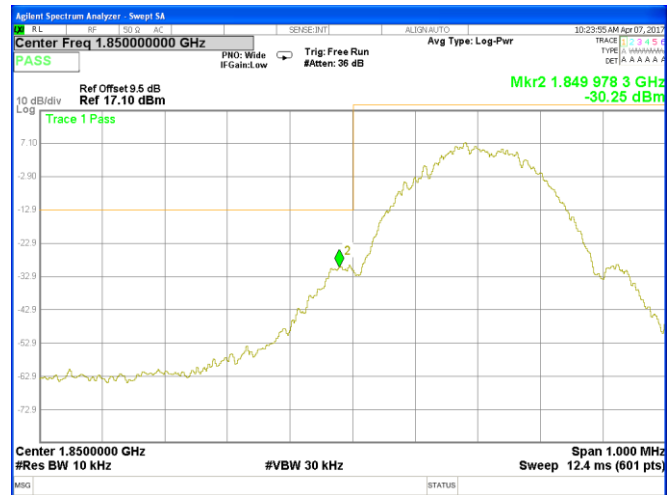


Highest Band Edge

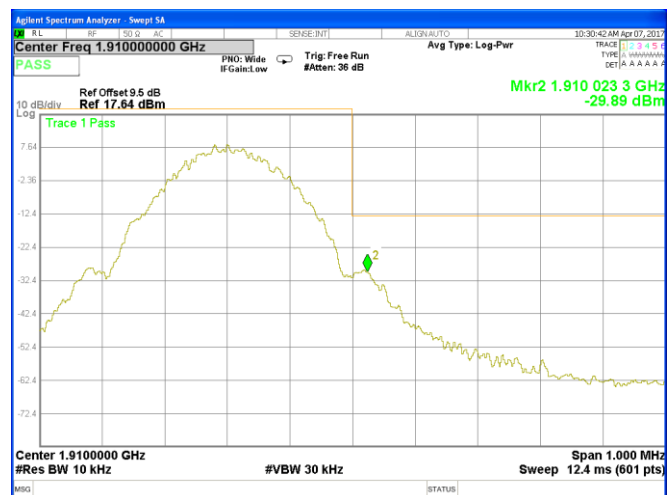


GPRS 1900

Lowest Band Edge

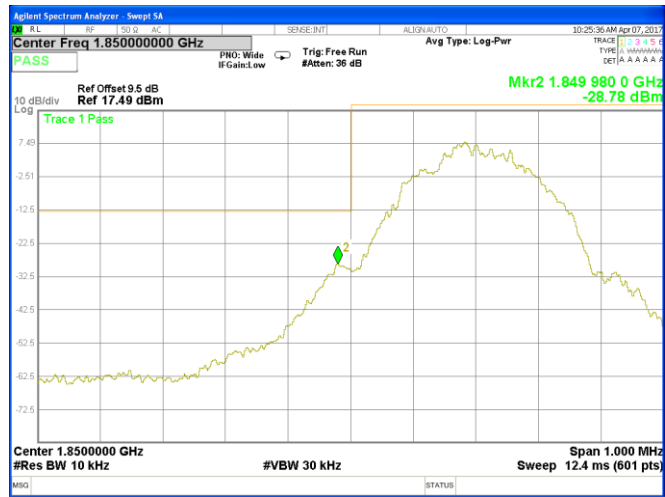


Highest Band Edge



EDGE 1900

Lowest Band Edge

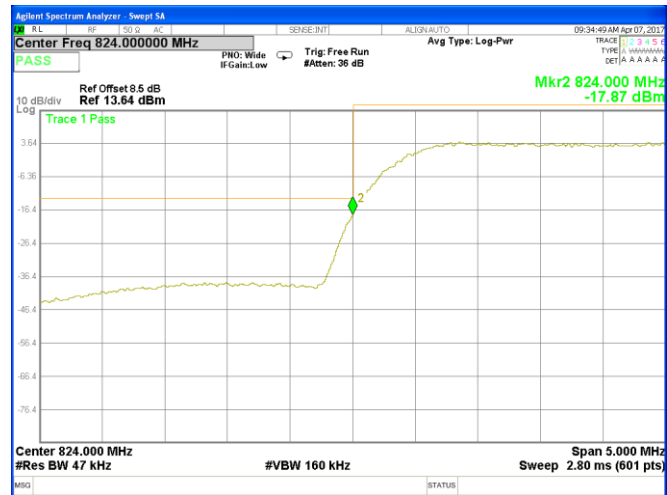


Highest Band Edge

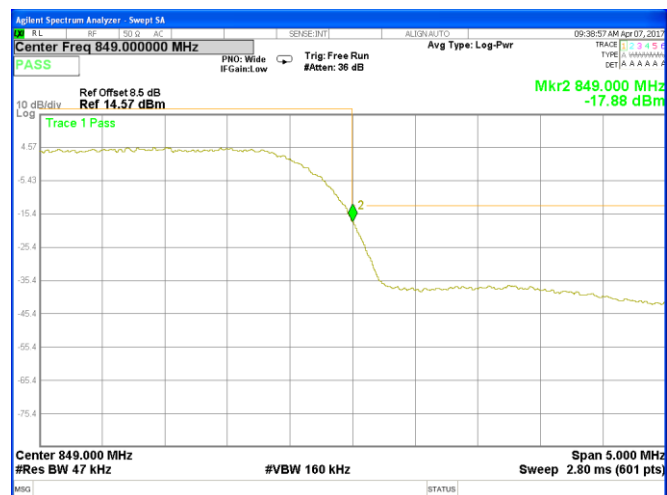


WCDMA Band VRMC 12.2Kbps

Lowest Band Edge

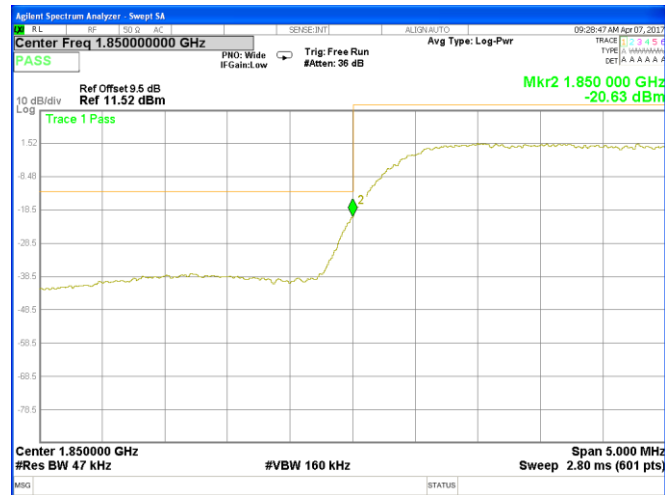


Highest Band Edge



WCDMA Band IIRMC 12.2Kbps

Lowest Band Edge



Highest Band Edge



A8 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

GSM 850: (30-9000)MHz

| GSM 850: (30-9000)MHz | | | | | | | |
|--|------------------|----------|-------|--------|--------|--------|----------|
| The Worst Test Results Channel 128/824.2 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 1648.25 | -41.45 | 9.40 | 4.75 | -36.80 | -13.00 | -23.80 | H |
| 2472.33 | -40.42 | 10.60 | 8.39 | -38.21 | -13.00 | -25.21 | H |
| 3296.91 | -31.12 | 12.00 | 11.79 | -30.91 | -13.00 | -17.91 | H |
| 1648.04 | -44.53 | 9.40 | 4.75 | -39.88 | -13.00 | -26.88 | V |
| 2472.41 | -44.64 | 10.60 | 8.39 | -42.43 | -13.00 | -29.43 | V |
| 3296.78 | -42.73 | 12.00 | 11.79 | -42.52 | -13.00 | -29.52 | V |
| The Worst Test Results Channel 190/836.6 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 1672.91 | -40.96 | 9.50 | 4.76 | -36.22 | -13.00 | -23.22 | H |
| 2509.87 | -40.02 | 10.70 | 8.40 | -37.72 | -13.00 | -24.72 | H |
| 3346.19 | -31.98 | 12.20 | 11.80 | -31.58 | -13.00 | -18.58 | H |
| 1673.24 | -43.72 | 9.40 | 4.75 | -39.07 | -13.00 | -26.07 | V |
| 2509.67 | -44.97 | 10.60 | 8.39 | -42.76 | -13.00 | -29.76 | V |
| 3346.35 | -42.60 | 12.20 | 11.82 | -42.22 | -13.00 | -29.22 | V |
| The Worst Test Results Channel 251/848.8 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 1697.52 | -41.21 | 9.60 | 4.77 | -36.38 | -13.00 | -23.38 | H |
| 2546.43 | -40.04 | 10.80 | 8.50 | -37.74 | -13.00 | -24.74 | H |
| 3394.86 | -31.85 | 12.50 | 11.90 | -31.25 | -13.00 | -18.25 | H |
| 1697.61 | -43.58 | 9.60 | 4.77 | -38.75 | -13.00 | -25.75 | V |
| 2546.15 | -45.09 | 10.80 | 8.50 | -42.79 | -13.00 | -29.79 | V |
| 3394.86 | -42.66 | 12.50 | 11.90 | -42.06 | -13.00 | -29.06 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

GPRS 850: (30-9000)MHz

| GPRS 850: (30-9000)MHz | | | | | | | |
|--|------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results Channel 128/824.2 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1648.05 | -40.81 | 9.40 | 4.75 | -36.16 | -13.00 | -23.16 | H |
| 2472.46 | -39.17 | 10.60 | 8.39 | -36.96 | -13.00 | -23.96 | H |
| 3296.91 | -31.99 | 12.00 | 11.79 | -31.78 | -13.00 | -18.78 | H |
| 1648.21 | -44.20 | 9.40 | 4.75 | -39.55 | -13.00 | -26.55 | V |
| 2472.33 | -44.94 | 10.60 | 8.39 | -42.73 | -13.00 | -29.73 | V |
| 3296.85 | -43.92 | 12.00 | 11.79 | -43.71 | -13.00 | -30.71 | V |
| The Worst Test Results Channel 190/836.6 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1673.08 | -40.96 | 9.50 | 4.76 | -36.22 | -13.00 | -23.22 | H |
| 2509.72 | -39.36 | 10.70 | 8.40 | -37.06 | -13.00 | -24.06 | H |
| 3346.19 | -32.16 | 12.20 | 11.80 | -31.76 | -13.00 | -18.76 | H |
| 1672.99 | -43.56 | 9.40 | 4.75 | -38.91 | -13.00 | -25.91 | V |
| 2509.45 | -44.55 | 10.60 | 8.39 | -42.34 | -13.00 | -29.34 | V |
| 3345.95 | -43.27 | 12.20 | 11.82 | -42.89 | -13.00 | -29.89 | V |
| The Worst Test Results Channel 251/848.8 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1697.47 | -40.16 | 9.60 | 4.77 | -35.33 | -13.00 | -22.33 | H |
| 2546.55 | -39.72 | 10.80 | 8.50 | -37.42 | -13.00 | -24.42 | H |
| 3395.22 | -31.85 | 12.50 | 11.90 | -31.25 | -13.00 | -18.25 | H |
| 1697.22 | -43.48 | 9.60 | 4.77 | -38.65 | -13.00 | -25.65 | V |
| 2546.44 | -44.29 | 10.80 | 8.50 | -41.99 | -13.00 | -28.99 | V |
| 3394.84 | -43.69 | 12.50 | 11.90 | -43.09 | -13.00 | -30.09 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

EDGE 850: (30-9000)MHz

| EGPRS 850: (30-9000)MHz | | | | | | | |
|--|------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results Channel 128/824.2 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1648.27 | -40.83 | 9.40 | 4.75 | -36.18 | -13.00 | -23.18 | H |
| 2472.36 | -39.54 | 10.60 | 8.39 | -37.33 | -13.00 | -24.33 | H |
| 3296.59 | -31.75 | 12.00 | 11.79 | -31.54 | -13.00 | -18.54 | H |
| 1648.29 | -44.57 | 9.40 | 4.75 | -39.92 | -13.00 | -26.92 | V |
| 2472.47 | -44.89 | 10.60 | 8.39 | -42.68 | -13.00 | -29.68 | V |
| 3296.87 | -43.13 | 12.00 | 11.79 | -42.92 | -13.00 | -29.92 | V |
| The Worst Test Results Channel 190/836.6 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1673.03 | -40.41 | 9.50 | 4.76 | -35.67 | -13.00 | -22.67 | H |
| 2509.54 | -40.08 | 10.70 | 8.40 | -37.78 | -13.00 | -24.78 | H |
| 3346.38 | -31.78 | 12.20 | 11.80 | -31.38 | -13.00 | -18.38 | H |
| 1672.83 | -44.41 | 9.40 | 4.75 | -39.76 | -13.00 | -26.76 | V |
| 2509.74 | -45.13 | 10.60 | 8.39 | -42.92 | -13.00 | -29.92 | V |
| 3345.98 | -43.05 | 12.20 | 11.82 | -42.67 | -13.00 | -29.67 | V |
| The Worst Test Results Channel 251/848.8 MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 1697.51 | -41.25 | 9.60 | 4.77 | -36.42 | -13.00 | -23.42 | H |
| 2546.44 | -40.24 | 10.80 | 8.50 | -37.94 | -13.00 | -24.94 | H |
| 3395.33 | -32.20 | 12.50 | 11.90 | -31.60 | -13.00 | -18.60 | H |
| 1697.62 | -43.60 | 9.60 | 4.77 | -38.77 | -13.00 | -25.77 | V |
| 2546.22 | -44.46 | 10.80 | 8.50 | -42.16 | -13.00 | -29.16 | V |
| 3395.33 | -42.78 | 12.50 | 11.90 | -42.18 | -13.00 | -29.18 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

PCS 1900: (30-20000)MHz

| DCS 1900: (30-20000)MHz | | | | | | | |
|--|------------------|----------|-------|--------|--------|--------|----------|
| The Worst Test Results for Channel 512/1850.2MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3700.16 | -34.71 | 12.60 | 12.93 | -35.04 | -13.00 | -22.04 | H |
| 5550.67 | -35.02 | 13.10 | 17.11 | -39.03 | -13.00 | -26.03 | H |
| 7400.69 | -33.45 | 11.50 | 22.20 | -44.15 | -13.00 | -31.15 | H |
| 3700.51 | -34.70 | 12.60 | 12.93 | -35.03 | -13.00 | -22.03 | V |
| 5550.22 | -34.93 | 13.10 | 17.11 | -38.94 | -13.00 | -25.94 | V |
| 7400.57 | -31.85 | 11.50 | 22.20 | -42.55 | -13.00 | -29.55 | V |
| The Worst Test Results for Channel 661/1880.0MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3760.24 | -34.81 | 12.60 | 12.93 | -35.14 | -13.00 | -22.14 | H |
| 5640.05 | -35.42 | 13.10 | 17.11 | -39.43 | -13.00 | -26.43 | H |
| 7519.81 | -32.46 | 11.50 | 22.20 | -43.16 | -13.00 | -30.16 | H |
| 3760.05 | -35.43 | 12.60 | 12.93 | -35.76 | -13.00 | -22.76 | V |
| 5640.33 | -34.15 | 13.10 | 17.11 | -38.16 | -13.00 | -25.16 | V |
| 7520.26 | -33.19 | 11.50 | 22.20 | -43.89 | -13.00 | -30.89 | V |
| The Worst Test Results for Channel 810/1909.8MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3819.63 | -33.82 | 12.60 | 12.93 | -34.15 | -13.00 | -21.15 | H |
| 5729.29 | -34.19 | 13.10 | 17.11 | -38.20 | -13.00 | -25.20 | H |
| 7638.91 | -32.23 | 11.50 | 22.20 | -42.93 | -13.00 | -29.93 | H |
| 3819.50 | -34.57 | 12.60 | 12.93 | -34.90 | -13.00 | -21.90 | V |
| 5729.32 | -33.99 | 13.10 | 17.11 | -38.00 | -13.00 | -25.00 | V |
| 7639.00 | -31.82 | 11.50 | 22.20 | -42.52 | -13.00 | -29.52 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 8GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

GPRS 1900: (30-20000)MHz

| GPRS1900: (30-20000)MHz | | | | | | | |
|--|------------------|----------|-------|--------|--------|--------|----------|
| The Worst Test Results for Channel 512/1850.2MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3700.00 | -34.42 | 12.60 | 12.93 | -34.75 | -13.00 | -21.75 | H |
| 5550.66 | -35.11 | 13.10 | 17.11 | -39.12 | -13.00 | -26.12 | H |
| 7400.86 | -32.79 | 11.50 | 22.20 | -43.49 | -13.00 | -30.49 | H |
| 3700.51 | -35.64 | 12.60 | 12.93 | -35.97 | -13.00 | -22.97 | V |
| 5550.39 | -34.43 | 13.10 | 17.11 | -38.44 | -13.00 | -25.44 | V |
| 7400.76 | -33.05 | 11.50 | 22.20 | -43.75 | -13.00 | -30.75 | V |
| The Worst Test Results for Channel 661/1880.0MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3760.03 | -34.92 | 12.60 | 12.93 | -35.25 | -13.00 | -22.25 | H |
| 5640.12 | -34.37 | 13.10 | 17.11 | -38.38 | -13.00 | -25.38 | H |
| 7519.82 | -33.41 | 11.50 | 22.20 | -44.11 | -13.00 | -31.11 | H |
| 3760.31 | -35.52 | 12.60 | 12.93 | -35.85 | -13.00 | -22.85 | V |
| 5640.05 | -34.73 | 13.10 | 17.11 | -38.74 | -13.00 | -25.74 | V |
| 7520.28 | -31.82 | 11.50 | 22.20 | -42.52 | -13.00 | -29.52 | V |
| The Worst Test Results for Channel 810/1909.8MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3819.66 | -34.70 | 12.60 | 12.93 | -35.03 | -13.00 | -22.03 | H |
| 5729.44 | -34.53 | 13.10 | 17.11 | -38.54 | -13.00 | -25.54 | H |
| 7638.91 | -32.27 | 11.50 | 22.20 | -42.97 | -13.00 | -29.97 | H |
| 3819.55 | -35.28 | 12.60 | 12.93 | -35.61 | -13.00 | -22.61 | V |
| 5729.35 | -34.34 | 13.10 | 17.11 | -38.35 | -13.00 | -25.35 | V |
| 7639.02 | -32.22 | 11.50 | 22.20 | -42.92 | -13.00 | -29.92 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 8GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

EDGE 1900: (30-20000)MHz

| EGPRS 1900: (30-20000)MHz | | | | | | | |
|--|------------------|----------|-------|--------|--------|--------|----------|
| The Worst Test Results for Channel 512/1850.2MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3700.08 | -34.25 | 12.60 | 12.93 | -34.58 | -13.00 | -21.58 | H |
| 5550.39 | -34.17 | 13.10 | 17.11 | -38.18 | -13.00 | -25.18 | H |
| 7400.91 | -32.75 | 11.50 | 22.20 | -43.45 | -13.00 | -30.45 | H |
| 3700.51 | -34.68 | 12.60 | 12.93 | -35.01 | -13.00 | -22.01 | V |
| 5550.29 | -34.10 | 13.10 | 17.11 | -38.11 | -13.00 | -25.11 | V |
| 7400.78 | -32.76 | 11.50 | 22.20 | -43.46 | -13.00 | -30.46 | V |
| The Worst Test Results for Channel 661/1880.0MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3760.24 | -34.25 | 12.60 | 12.93 | -34.58 | -13.00 | -21.58 | H |
| 5639.86 | -34.86 | 13.10 | 17.11 | -38.87 | -13.00 | -25.87 | H |
| 7520.09 | -33.27 | 11.50 | 22.20 | -43.97 | -13.00 | -30.97 | H |
| 3760.07 | -35.86 | 12.60 | 12.93 | -36.19 | -13.00 | -23.19 | V |
| 5639.95 | -35.11 | 13.10 | 17.11 | -39.12 | -13.00 | -26.12 | V |
| 7519.93 | -32.61 | 11.50 | 22.20 | -43.31 | -13.00 | -30.31 | V |
| The Worst Test Results for Channel 810/1909.8MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 3819.59 | -34.65 | 12.60 | 12.93 | -34.98 | -13.00 | -21.98 | H |
| 5729.51 | -35.42 | 13.10 | 17.11 | -39.43 | -13.00 | -26.43 | H |
| 7638.88 | -32.58 | 11.50 | 22.20 | -43.28 | -13.00 | -30.28 | H |
| 3819.61 | -35.61 | 12.60 | 12.93 | -35.94 | -13.00 | -22.94 | V |
| 5729.30 | -35.20 | 13.10 | 17.11 | -39.21 | -13.00 | -26.21 | V |
| 7638.92 | -31.77 | 11.50 | 22.20 | -42.47 | -13.00 | -29.47 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 8GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

UMTS band V(30-9000)MHz

| WCDMA Band V: (30-9000)MHz | | | | | | | |
|--|------------------|----------|-------|--------|--------|--------|----------|
| The worst testresults channel 4132/826.4MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 1652.24 | -40.54 | 9.40 | 4.75 | -35.89 | -13.00 | -22.89 | H |
| 2479.47 | -40.03 | 10.60 | 8.39 | -37.82 | -13.00 | -24.82 | H |
| 3305.67 | -31.20 | 12.00 | 11.79 | -30.99 | -13.00 | -17.99 | H |
| 1652.41 | -43.57 | 9.40 | 4.75 | -38.92 | -13.00 | -25.92 | V |
| 2479.26 | -44.86 | 10.60 | 8.39 | -42.65 | -13.00 | -29.65 | V |
| 3305.49 | -42.81 | 12.00 | 11.79 | -42.60 | -13.00 | -29.60 | V |
| The Worst Test Results Channel 4183/836.6MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 1673.09 | -40.38 | 9.50 | 4.76 | -35.64 | -13.00 | -22.64 | H |
| 2509.75 | -40.51 | 10.70 | 8.40 | -38.21 | -13.00 | -25.21 | H |
| 3346.22 | -31.12 | 12.20 | 11.80 | -30.72 | -13.00 | -17.72 | H |
| 1673.13 | -43.56 | 9.40 | 4.75 | -38.91 | -13.00 | -25.91 | V |
| 2509.77 | -44.41 | 10.60 | 8.39 | -42.20 | -13.00 | -29.20 | V |
| 3346.25 | -42.70 | 12.20 | 11.82 | -42.32 | -13.00 | -29.32 | V |
| The Worst Test Results Channel 4233/846.6MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea | Limit | Margin | Polarity |
| | | | | (dBm) | (dBm) | (dBm) | |
| 1693.49 | -41.16 | 9.60 | 4.77 | -36.33 | -13.00 | -23.33 | H |
| 2539.41 | -40.13 | 10.80 | 8.50 | -37.83 | -13.00 | -24.83 | H |
| 3386.31 | -32.22 | 12.50 | 11.90 | -31.62 | -13.00 | -18.62 | H |
| 1693.32 | -44.40 | 9.60 | 4.77 | -39.57 | -13.00 | -26.57 | V |
| 2539.08 | -45.36 | 10.80 | 8.50 | -43.06 | -13.00 | -30.06 | V |
| 3386.10 | -43.83 | 12.50 | 11.90 | -43.23 | -13.00 | -30.23 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 3GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

UMTS band II(30-20000)MHz

| WCDMA Band II: (30-20000)MHz | | | | | | | |
|---|------------------|----------|-------|---------------|----------------|-----------------|----------|
| The Worst Test Results for Channel 9262/1852.4MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3704.06 | -33.64 | 12.60 | 12.93 | -33.97 | -13.00 | -20.97 | H |
| 5557.62 | -34.88 | 13.10 | 17.11 | -38.89 | -13.00 | -25.89 | H |
| 7409.81 | -32.80 | 11.50 | 22.20 | -43.50 | -13.00 | -30.50 | H |
| 3704.24 | -35.05 | 12.60 | 12.93 | -35.38 | -13.00 | -22.38 | V |
| 5557.21 | -33.95 | 13.10 | 17.11 | -37.96 | -13.00 | -24.96 | V |
| 7409.67 | -32.71 | 11.50 | 22.20 | -43.41 | -13.00 | -30.41 | V |
| The Worst Test Results for Channel 9400/1880MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3759.96 | -34.34 | 12.60 | 12.93 | -34.67 | -13.00 | -21.67 | H |
| 5640.25 | -35.46 | 13.10 | 17.11 | -39.47 | -13.00 | -26.47 | H |
| 7519.92 | -33.42 | 11.50 | 22.20 | -44.12 | -13.00 | -31.12 | H |
| 3760.00 | -35.37 | 12.60 | 12.93 | -35.70 | -13.00 | -22.70 | V |
| 5640.19 | -34.06 | 13.10 | 17.11 | -38.07 | -13.00 | -25.07 | V |
| 7520.01 | -32.80 | 11.50 | 22.20 | -43.50 | -13.00 | -30.50 | V |
| The Worst Test Results for Channel 9538/1907.6MHz | | | | | | | |
| Frequency(MHz) | S G.Lev (dBm) | Ant(dBi) | Loss | PMea (dBm) | Limit (dBm) | Margin (dBm) | Polarity |
| 3815.28 | -34.15 | 12.60 | 12.93 | -34.48 | -13.00 | -21.48 | H |
| 5722.44 | -35.45 | 13.10 | 17.11 | -39.46 | -13.00 | -26.46 | H |
| 7630.17 | -33.37 | 11.50 | 22.20 | -44.07 | -13.00 | -31.07 | H |
| 3815.38 | -35.47 | 12.60 | 12.93 | -35.80 | -13.00 | -22.80 | V |
| 5722.25 | -34.43 | 13.10 | 17.11 | -38.44 | -13.00 | -25.44 | V |
| 7629.94 | -32.08 | 11.50 | 22.20 | -42.78 | -13.00 | -29.78 | V |

Note: (1)Below 30MHz no Spurious found is the worst condition.

(2)Above 6GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has.

APPENDIX B PHOTOS OF TEST SETUP

RADIATED SPURIOUS EMISSION



※※※※※END OF THE REPORT※※※※※