

Report No.: EI/2011/10006 Issue Date: Feb. 10, 2011

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ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

UN-INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 15 SUBPART B CERTIFICATION REQUIREMENT

OF

Product Name: CDMA TS008

Brand Name: N/A

Model Name: TS008

Model Different: N/A

FCC ID: YUW-TS008

Report No.: EI/2011/10006

Issue Date: Feb. 10, 2011

FCC Rule Part: Part 15 B, Class B

Filing Type: Certification

Prepared for: Fujitsu Toshiba Mobile Communications Limited

1-1, Kamikodanaka 4-chome, Nakahara-ku,

Kawasaki

Prepared by: SGS Taiwan Ltd.

Electronics & Communication Laboratory

No. 134, Wu Kung Rd., Wuku Industrial Zone,

Taipei County, Taiwan





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VERIFICATION OF COMPLIANCE

Applicant: Fujitsu Toshiba Mobile Communications Limited

1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki

Product Name: CDMA TS008

Brand Name: N/A

Model No.: TS008

Model Difference: N/A

FCC ID: YUW-TS008

File Number: EI/2011/10006

Date of test: Jan. 18, 2011 ~ Jan. 21, 2011

Date of EUT Receive: Jan. 18, 2011

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rules Part 15B, Class B. The test results of this report relate only to the tested sample identified in this report.

| Test By: | Nick Lin | Date: | Feb. 10, 2011 | |
|--------------|---------------------------|-------|---------------|--|
| _ | Nick Lin / Engineer | | | |
| Prepared By: | Judy Hen | Date: | Feb. 10, 2011 | |
| _ | Judy Hsu / General Admin. | | | |
| Approved By: | Almo Hsieh | Date: | Feb. 10, 2011 | |
| _ | Arno Hsieh / Supervisor | | | |

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Version

| Version No. | Date | Description |
|-------------|---------------|------------------------------|
| 00 | Feb. 10, 2011 | Initial creation of document |

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1. GENERAL INFORMATION

General:

| Product Name | CDMA TS008 | | |
|--------------|---|--|--|
| Brand Name | N/A | | |
| Model Name | TS008 | | |
| D C1 | 3.7Vdc Li-Ion battery | | |
| Power Supply | Battery: Model No. TS006UAA, Supplier: au by KDDI | | |

CDMA:

| CDIVIL. | | | | | | |
|--------------------------|----------|----------------------------|-------------------|--------------------------|--|--|
| DUT Standards And Power: | CDMA2000 | Frequency Range | | Maximum Rated EIRP Power | | |
| | Cellular | TX: | 824.70-848.31 MHz | 26.20 dBm | | |
| Tinu Tower. | | RX: | 869.70-893.31 MHz | | | |
| Type of Emission | | CDMA2000 Cellular: 1M28F9W | | | | |
| Hardware Version | | Ver.2.0.0 | | | | |
| Software Version | ı | V66.10.01 | | | | |
| Antenna Type | | PIFA Type | | | | |

Final Amplifier Voltage and Current Information:

| Test Mode | DC voltage (V) | DC current (mA) | |
|-------------------|----------------|-----------------|--|
| CDMA2000 Cellular | 3.7Vdc | 730 | |

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Bluetooth:

| Bluetooth Version: | $V2.1 + EDR (GFSK + \pi/4DQPSK + 8DPSK)$ |
|----------------------|--|
| Channel number: | 79 channels |
| Modulation type: | Frequency Hopping Spread Spectrum |
| Transmit Power: | 1.83 dBm (Peak) |
| Frequency Range: | 2.402GHz – 2.480GHz |
| Dwell Time: | <= 0.4s |
| Operating Mode: | Point-to-Point |
| Antenna Designation: | 1/4 lambda monopole Antenna: -0.41dBi. |

The EUT is compliance with Bluetooth 2.1 + EDR Standard. This report applies for Bluetooth

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1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID:** <u>YUW-TS008</u> filing to comply with Part15 Subpart B, class B of the FCC CFR 47 Rules.

1.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

1.4 Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-4.

The 10 m Open Area Test Sites located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Taipei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 & 10 meters) and FCC Registration Number: 94644

1.5 Special Accessories

Not available for this EUT intended for grant.

1.6 Equipment Modifications

Not available for this EUT intended for grant.

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2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal continuous transmitting.

2.3 Test Procedure

2.3.1 Conducted Emissions

The EUT is a placed on as turn table which is 0.8 m above ground plane. According to the requirements in Section 7 of ANSI C63.4-2003. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.

2.3.2 Radiated Emissions

The EUT is placed on a turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter(EUT) was rotated through three orthogonal axes according to the requirements in Section 8 of ANSI C63.4-2003.

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2.4 Limitation

(1) Conducted Emission

According to section 15.107(a), Conducted Emission Class B Limits is as following.

| Class B Limits Frequency range dB (uV) | | | | | |
|--|------------|----------|--|--|--|
| MHz | Quasi-peak | Average | | | |
| 0.15 to 0.50 | 66 to 56 | 56 to 46 | | | |
| 0.50 to 5 | 56 | 46 | | | |
| 5 to 30 | 60 | 50 | | | |

Note

(2) Radiated Emission

According to section 15.109(a), Radiated Emission Class B Limits is as following:

| Frequency (MHz) | Field strength $\mu V/m$ | Distance (m) | Field strength at 3m dBµV/m |
|-----------------|--------------------------|--------------|-----------------------------|
| 30-88 | 100 | 3 | 40 |
| 88-216 | 150 | 3 | 43.5 |
| 216-960 | 200 | 3 | 46 |
| Above 960 | 500 | 3 | 54 |

Remark: 1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of 3 meters.

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^{1.} The lower limit shall apply at the transition frequencies

^{2.} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.



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2.5 Configuration of Tested System

Fig. 2-1 Configuration of Tested System (config 1, 3)

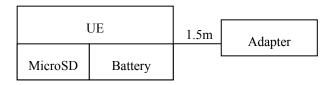


Fig. 2-2 Configuration of Tested System (config 2, 4)

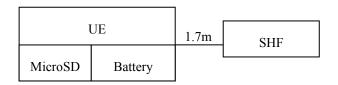
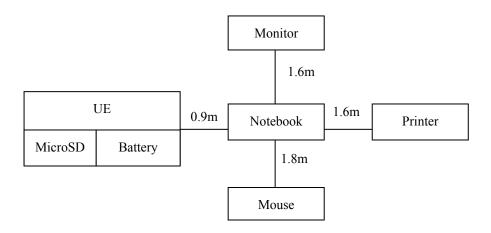


Fig. 2-3 Configuration of Tested System (config 5)



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Fig. 2-4 Configuration of Tested System (Remote Side)

Radio Communication Analyzer

Notebook

Table 2-1 Support Equipment Used in Tested System

| | Table 2-1 Support Equipment Oscu in Tested System | | | | | | | | |
|------|---|------------|------------------------------|------------|--------|-----------------------|---------------------|--|--|
| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | FCC ID | Data Cable | Power Cord | | |
| 1. | Notebook | IBM | T60 | L3A9050 | DoC | N/A | 1.6m Un-shielded | | |
| 2. | Radio Communication Analyzer | R&S | CMU200 | 102189 | N/A | N/A | N/A | | |
| 3. | Monitor | НР | HSTND-2F02 | CND7122S7 | DoC | 1.6 Un-shielded | Un-shielded | | |
| 4. | Mouse | Microsoft | 1113 | N/A | N/A | 1.8m Un-shielded | N/A | | |
| 5. | Printer | НР | DJ640C | TH12QE110Y | N/A | 1.6m, Un-Shielded | Un-shielded | | |
| 6. | Micro SD | SanDisk | 2G | N/A | N/A | N/A | N/A | | |
| 7. | Adaptor | AU by KDDI | HS-YHA | N/A | N/A | N/A | Un-shielded | | |
| 8. | SHF | Hoshiden | HDH0669-010221 (Earphone) | N/A | N/A | 0.55m, Un-shielded | N/A | | |

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3. Summary of Test Results

| FCC Rules | Description Of Test | Result | |
|-----------|----------------------------|-----------|--|
| §15.107 | Conducted Emission Class B | Compliant | |
| §15.109 | Radiated Emission Class B | Compliant | |

4. Description of test modes

The EUT was stayed in normal operation mode.

The data cable was connected to notebook PC and data transferred by program.

Test Plan:

| KD59 | Config 1 | Config 2 | Config 3 | Config 4 | Config 5 |
|----------------------------------|--------------------------|---------------|---------------------------|---------------|-------------|
| Applicable standard (FCC) | | Part 15B | | | |
| Accessories | UE | UE | UE | UE | UE |
| | + Battery | + Battery | + Battery | + Battery | + Battery |
| | +AC | + SHF | +AC Adaptor | + SHF | +Data Cable |
| | Adaptor | | | | |
| Description | Full function | | | Data link | |
| | CDMA+BT | CDMA+BT | CDMA+BT | CDMA+BT | Data link |
| | +Camera | +Camera | +Music | +Music | Data IIIK |
| radiated emission | | Full function | | Full function | Data link |
| 1 | (REC mode) | (REC mode) | (Play mode) | (Play mode) | |
| conducted emission (DC Power) | NA | NA | NA | NA | N/A |
| conducted emission (AC Power) | Full function (REC mode) | NA | Full function (Play mode) | NA | Data link |

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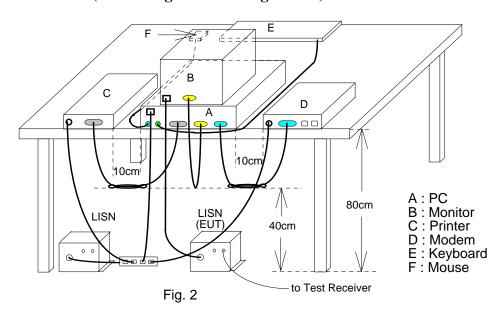
Page: 13 of 53

5. Conducted Emissions Test

5.1 Measurement Procedure:

- 1. The EUT was placed on a table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 3. Repeat above procedures until all frequency measured were complete.

5.2 Test SET-UP (Block Diagram of Configuration)



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Measurement Equipment Used:

| | Cor | nducted Emission T | est Site | | | |
|-------------------|------------|-------------------------|------------|------------|------------|--|
| EQUIPMENT | MFR | MODEL | SERIAL | LAST | CAL DUE. | |
| TYPE | | NUMBER | NUMBER | CAL. | | |
| EMI Test Receiver | R&S | ESCS30 | 828985/004 | 09/23/2010 | 09/22/2011 | |
| LISN | Rolf-Heine | NNB-2/16Z | 99012 | 02/02/2010 | 02/01/2011 | |
| LISN | FCC | FCC-LISN-50/250-25-2-01 | 04034 | 02/02/2010 | 02/01/2011 | |
| Coaxial Cables | N/A | WK CE Cable | N/A | 11/28/2010 | 11/27/2011 | |

5.4 **Measurement Result**

The initial step in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on the following data page, and these signals are then quasi-peaked.

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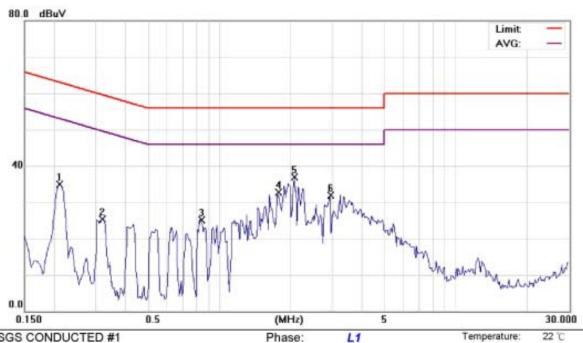


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AC POWER LINE CONDUCTED EMISSION TEST DATA

| Operation Mode: | Config 1 | Test Date: | Jan. 19, 2011 |
|-----------------|----------|------------|---------------|
| | | Test By: | Nick |



Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: CDMA TS008

M/N: TS008

Note: Full function (REC mode)_config1

| No. Mk. | Freq. | Reading Level | Factor | Measure- ment | Limit | Over | | |
|---------|--------|------------------|--------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.2100 | 34.70 | 0.12 | 34.82 | 63.21 | -28.39 | peak | |
| 2 | 0.3200 | 25.28 | 0.12 | 25.40 | 59.71 | -34.31 | peak | |
| 3 | 0.8400 | 25.07 | 0.12 | 25.19 | 56.00 | -30.81 | peak | |
| 4 | 1.7800 | 32.54 | 0.15 | 32.69 | 56.00 | -23.31 | peak | |
| 5 * | 2.0800 | 36.83 | 0.16 | 36.99 | 56.00 | -19.01 | peak | |
| 6 | 2.9500 | 31.78 | 0.18 | 31.96 | 56.00 | -24.04 | peak | |

Power:

Distance:

AC 120V/60Hz

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Humidity:

Air Pressure:

hpa



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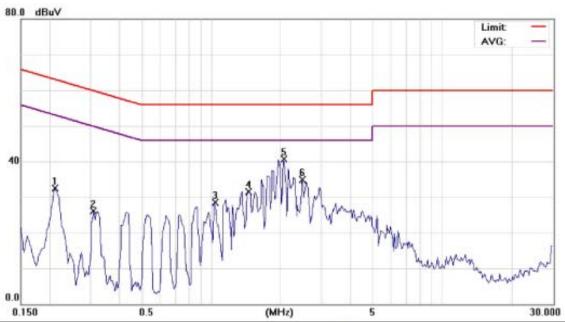
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Temperature:

Air Pressure:

hpa

Humidity:



Phase:

Power:

Distance:

AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: CDMA TS008

M/N: TS008

Note: Full function (REC mode)_config1

| No. Mk | Freq. | Reading Level | Factor | Measure- ment | Limit | Over | | |
|--------|--------|------------------|--------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.2100 | 32.29 | 0.13 | 32.42 | 63.21 | -30.79 | peak | |
| 2 | 0.3100 | 25.99 | 0.12 | 26.11 | 59.97 | -33.86 | peak | |
| 3 | 1.0400 | 28.30 | 0.13 | 28.43 | 56.00 | -27.57 | peak | |
| 4 | 1.4500 | 31.41 | 0.14 | 31.55 | 56.00 | -24.45 | peak | |
| 5 * | 2.0600 | 40.64 | 0.16 | 40.80 | 56.00 | -15.20 | peak | |
| 6 | 2.4800 | 34.78 | 0.17 | 34.95 | 56.00 | -21.05 | peak | |

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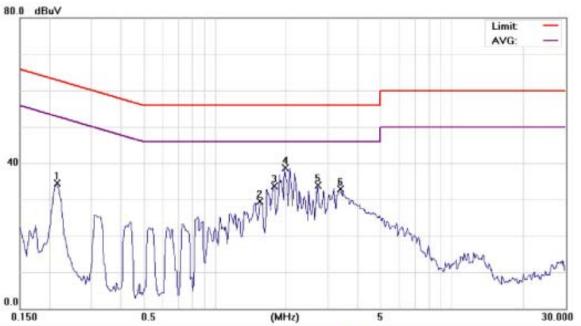


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AC POWER LINE CONDUCTED EMISSION TEST DATA

| Operation Mode: | Config 3 | Test Date: | Jan. 19, 2011 |
|-----------------|----------|------------|---------------|
| | | Test By: | Nick |



Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: CDMA TS008

M/N: TS008

Note: Full function (Play mode)_config3

| riidse. | LI | remperature. | 66 6 |
|-----------|--------------|---------------|------|
| Power: | AC 120V/60Hz | Humidity: 5 | 7 % |
| Distance: | | Air Pressure: | hpa |

| No. Mk. | Freq. | Reading Level | Factor | Measure- ment | Limit | Over | | |
|---------|--------|------------------|--------|------------------|-------|--------|----------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.2150 | 34.34 | 0.12 | 34.46 | 63.01 | -28.55 | peak | |
| 2 | 1.5500 | 29.44 | 0.14 | 29.58 | 56.00 | -26.42 | peak | |
| 3 | 1.7800 | 33.58 | 0.15 | 33.73 | 56.00 | -22.27 | peak | |
| 4 * | 1.9700 | 38.62 | 0.16 | 38.78 | 56.00 | -17.22 | peak | |
| 5 | 2.7100 | 33.82 | 0.17 | 33.99 | 56.00 | -22.01 | peak | |
| 6 | 3.3800 | 32.69 | 0.19 | 32.88 | 56.00 | -23.12 | peak | |

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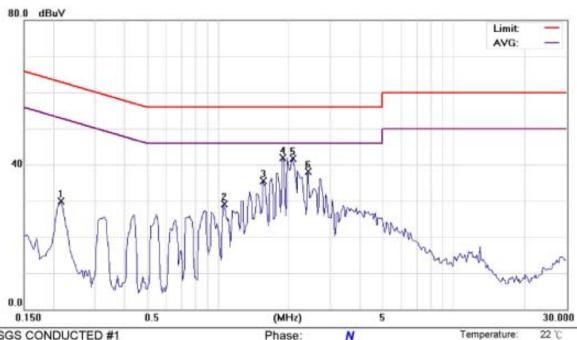
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Humidity:

Air Pressure

hpa



AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: CDMA TS008

M/N: TS008

Note: Full function (Play mode)_config3

| No. Mk | c. Fre | q. | Reading Level | Factor | Measure- ment | Limit | Over | | |
|--------|--------|----|------------------|--------|------------------|-------|--------|----------|---------|
| | MH | z | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | 0.21 | 50 | 29.72 | 0.13 | 29.85 | 63.01 | -33.16 | peak | |
| 2 | 1.06 | 00 | 29.01 | 0.13 | 29.14 | 56.00 | -26.86 | peak | |
| 3 | 1.560 | 00 | 35.39 | 0.15 | 35.54 | 56.00 | -20.46 | peak | |
| 4 . | 1.88 | 00 | 41.76 | 0.16 | 41.92 | 56.00 | -14.08 | peak | |
| 5 | 2.07 | 00 | 41.63 | 0.16 | 41.79 | 56.00 | -14.21 | peak | |
| 6 | 2.40 | 00 | 38.03 | 0.17 | 38.20 | 56.00 | -17.80 | peak | |

Power:

Distance:

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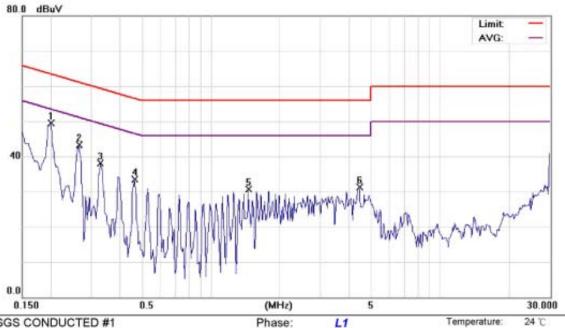
Humidity:

Air Pressure:

hpa

AC POWER LINE CONDUCTED EMISSION TEST DATA

| Operation Mode: | Config 5 | Test Date: | Jan. 19, 2011 |
|-----------------|----------|------------|---------------|
| | | Test By: | Nick |



AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: CISPR22/11/EN55022 Class B (QP)

EUT: CDMA TS008

M/N: TS008

Note: Data link _config5

| No. | Mk. | Freq. | Reading Level | Factor | Measure- ment | Limit | Over | | |
|-----|-----|--------|------------------|--------|------------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | * | 0.2000 | 49.39 | 0.08 | 49.47 | 63.61 | -14.14 | peak | |
| 2 | | 0.2650 | 43.32 | 0.07 | 43.39 | 61.27 | -17.88 | peak | |
| 3 | | 0.3300 | 37.95 | 0.07 | 38.02 | 59.45 | -21.43 | peak | |
| 4 | | 0.4650 | 33.41 | 0.06 | 33.47 | 56.60 | -23.13 | peak | |
| 5 | | 1.4600 | 30.60 | 0.07 | 30.67 | 56.00 | -25.33 | peak | |
| 6 | | 4.4400 | 31.23 | 0.09 | 31.32 | 56.00 | -24.68 | peak | |

Power:

Distance:

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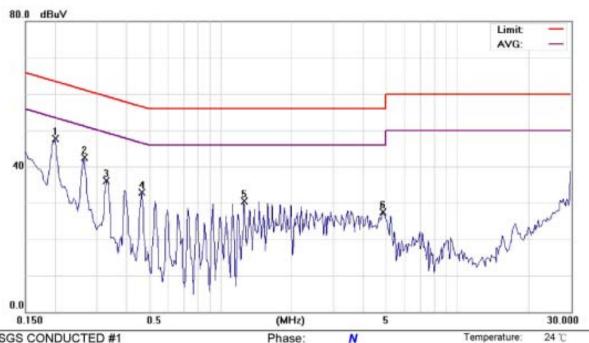
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Humidity:

Air Pressure

59 %

hpa



AC 120V/60Hz

Site SGS CONDUCTED #1

Limit: FCC Class B Conduction(QP)

EUT: CDMA TS008

M/N: TS008

Note: Data link _config5

| No. | Mk. | Freq. | Reading Level | Factor | Measure- ment | Limit | Over | | |
|-----|-----|--------|------------------|--------|------------------|-------|--------|----------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | Comment |
| 1 | • | 0.2000 | 47.64 | 0.08 | 47.72 | 63.61 | -15.89 | peak | |
| 2 | | 0.2650 | 42.36 | 0.07 | 42.43 | 61.27 | -18.84 | peak | |
| 3 | | 0.3300 | 36.10 | 0.07 | 36.17 | 59.45 | -23.28 | peak | |
| 4 | | 0.4650 | 32.94 | 0.06 | 33.00 | 56.60 | -23.60 | peak | |
| 5 | | 1.2600 | 30.50 | 0.07 | 30.57 | 56.00 | -25.43 | peak | |
| 6 | | 4.8400 | 27.49 | 0.10 | 27.59 | 56.00 | -28.41 | peak | |

Power:

Distance:

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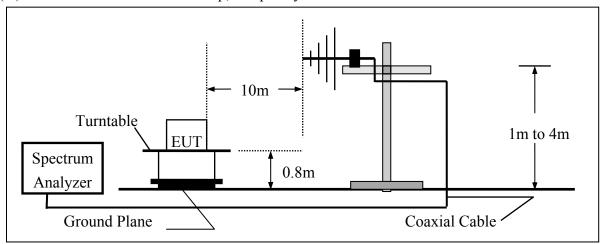
6. Radiated Emission Test

6.1 Measurement Procedure

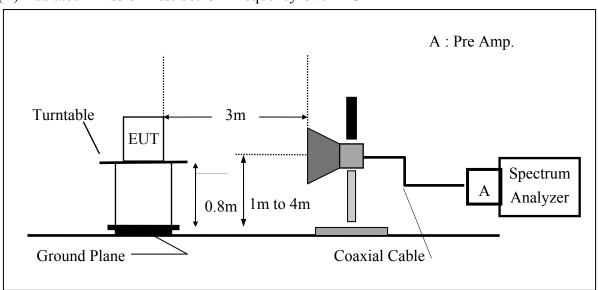
- 1. The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 3. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 4. Repeat above procedures until all frequency measured were complete.

6.2 Test SET-UP (Block Diagram of Configuration)

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(B) Radiated Emission Test Set-UP Frequency Over 1 GHz



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6.3 Measurement Equipment Used:

| | 10m Open Area Test Site | | | | | | | | | | | |
|-------------------|-------------------------|-------------|------------|------------|------------|--|--|--|--|--|--|--|
| EQUIPMENT | MFR | MODEL | SERIAL | LAST | CAL DUE. | | | | | | | |
| TYPE | | NUMBER | NUMBER | CAL. | | | | | | | | |
| EMI Test Receiver | R&S | ESCI | 100335 | 02/05/2010 | 02/04/2011 | | | | | | | |
| RF-Amplifier | Agilent | 8447D | 2944A09469 | 11/27/2010 | 11/26/2011 | | | | | | | |
| Broadband Antenna | SCHWAZBECK | VULB9160 | 9160-3224 | 04/21/2010 | 04/20/2011 | | | | | | | |
| Turn Table | HD | DT420 | 420/542 | N/A | N/A | | | | | | | |
| Antenna Master | HD | MA 240 | 240/515 | N/A | N/A | | | | | | | |
| Controller | HD | HD 100 | 100/589 | N/A | N/A | | | | | | | |
| Low Loss Cable | N/A | OS RE Cable | N/A | 11/30/2010 | 11/29/2011 | | | | | | | |

| | 966 Chamber | | | | | | | | | | | |
|---------------------------------|--------------|------------------------|------------|------------|------------|--|--|--|--|--|--|--|
| EQUIPMENT | MFR | MODEL | SERIAL | LAST | CAL DUE. | | | | | | | |
| TYPE | | NUMBER | NUMBER | CAL. | | | | | | | | |
| Spectrum Analyzer | R&S | FSP 40 | 100034 | 02/12/2010 | 02/11/2011 | | | | | | | |
| Bilog Antenna | SCHWAZBECK | VULB9160 | 3136 | 11/19/2010 | 11/18/2011 | | | | | | | |
| Horn antenna | SCHWAZBECK | BBHA 9120D | 309/320 | 03/09/2009 | 03/08/2011 | | | | | | | |
| Pre-Amplifier | Agilent | 8447D | 1937A02834 | 11/28/2010 | 11/27/2011 | | | | | | | |
| Pre-Amplifier | Agilent | 8449B | 3008A01973 | 01/05/2011 | 01/04/2012 | | | | | | | |
| Radio Communication Analyzer | R & S | CMU200 | 102189 | 08/12/2010 | 08/11/2012 | | | | | | | |
| DC Block | Agilent | BLK-18 | 155452 | 07/05/2010 | 07/04/2011 | | | | | | | |
| Turn Table | HD | DT420 | N/A | N.C.R | N.C.R | | | | | | | |
| Antenna Tower | HD | MA240-N | 240/657 | N.C.R | N.C.R | | | | | | | |
| Controller | HD | HD100 | N/A | N.C.R | N.C.R | | | | | | | |
| Low Loss Cable | HUBER+SUHNER | SUCOFLEX 104PEA-10M | 10m | 01/05/2011 | 01/04/2012 | | | | | | | |
| Low Loss Cable | HUBER+SUHNER | SUCOFLEX 104PEA-3M | 3m | 01/05/2011 | 01/04/2012 | | | | | | | |
| 3m Site | SGS | 966 chamber | N/A | 09/06/2010 | 09/05/2011 | | | | | | | |

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6.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

| Where | FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
|-------|------------------------|--|
| | RA = Reading Amplitude | AG = Amplifier Gain |
| | AF = Antenna Factor | |

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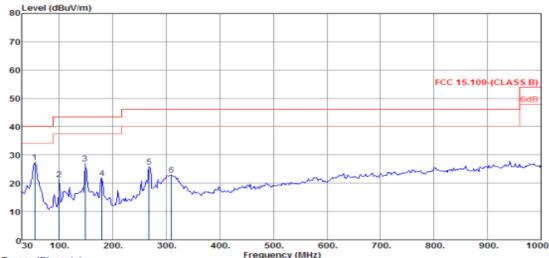
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6.5 Measurement Result (below 1G)

Config 1 Test Date: Jan. 20, 2011 Test Mode:

Frequency Range: 30MHz-1GHz Test By: Nick



Trace: (Discrete)

966 Chamber Site

: FCC 15.109-(CLASS B) VULB9168(20M~2G) VERTICAL Condition

: EI-2011-C10006 Project No. Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model TS008

Test Mode : Full function (REC mode) _config1

Temp./Humid. : 22/58 : Jimmy Operator

| | Freq | | | Preamp Factor | | | | Limit Line | | Remark |
|----------------------------|---------------------------|----------------------------------|----------------------------------|--|------------------------------|----------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------|
| | MHz | dBu¥ | dB/m | dB | dB | dB/m | āBū⊽/m | dBu∀/m | dB | |
| 1 2 3 4 5 6 | 99.84 148.34 180.35 | 38.20 39.30 36.22 39.12 | 10.15 14.03 11.68 12.03 | 27.84 27.57 27.34 27.16 26.76 26.78 | 0.72 0.95 1.10 1.43 | -12.36 -14.38 -13.30 | 21.50 26.94 21.84 25.82 | 43.52 43.52 43.52 46.02 | -22.02 -16.58 -21.68 -20.20 | QP QP QP QP |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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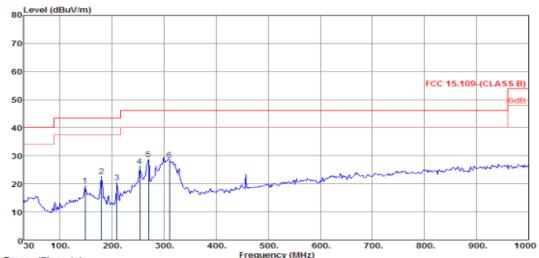


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Test Mode: Config 1 Test Date: Jan. 20, 2011

Frequency Range: 30MHz-1GHz Test By: Nick



Trace: (Discrete) Site

: 966 Chamber

Condition : FCC 15.109-(CLASS B) VULB9168(20M~2G) HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model : TS008

Test Mode : Full function (REC mode) _config1

Temp./Humid. : 22/58 Operator : Jimmy

ReadAntenna Preamp Level Factor Factor Limit Line Cable Over Loss Factor Limit Remark Level dB/m dB/m dBuV/m dBuV/m MHz dBu∀ ₫B dΒ ₫Ē 31.82 37.10 36.17 40.02 41.85 0.95 -12.36 1.10 -14.38 1.23 -15.71 1.32 -13.80 1.43 -13.17 1.48 -12.22 27.34 27.16 27.01 26.77 26.75 26.79 19.46 22.72 20.46 26.22 28.68 28.54 43.52 43.52 43.52 46.02 46.02 46.02 -24.06 QP -20.80 QP -23.06 QP -19.80 QP -17.34 QP -17.48 QP 1 2 3 4 5 11.68 10.07 11.65 12.15 13.09 180.35 209.45 253.10 270.56

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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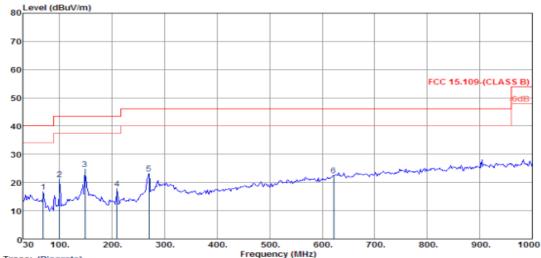


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Test Mode: Config 2 Test Date: Jan. 20, 2011

Frequency Range: 30MHz-1GHz Test By: Nick



Trace: (Discrete) Site

966 Chamber

Condition FCC 15.109-(CLASS B) VULB9168(20M~2G) VERTICAL

Project No. EI-2011-C10006 Applicant Fujitsu Toshiba

Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode Full function (REC mode) _config2

Temp./Humid. 22/58 Operator

| perato | | . 3 TIMIN | Y | | | | | | | |
|-------------------------|-----------------|-------------------------|----------------------------------|------------------|------------------------------|----------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------|
| | Freq | | | Preamp Factor | | | | | | |
| | MHz | dBu₹ | dB/m | dB | dB | dB/m | dBuV/m | dBu∀/m | dB | |
| 1 2 3 q 4 5 | 99.84 148.34 | 37.09 33.46 36.38 | 10.15 14.03 10.07 12.15 | 27.01 26.75 | 0.72 0.95 1.23 1.43 | -12.36 -15.71 -13.17 | 21.24 24.73 17.75 23.21 | 43.52 43.52 43.52 46.02 | -22.28 -18.79 -25.77 -22.81 | QP QP QP QP |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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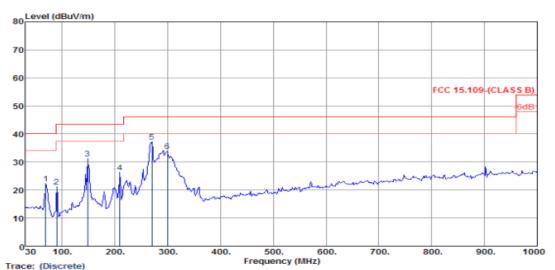


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Test Mode: Config 2 Test Date: Jan. 20, 2011

Test By: Nick Frequency Range: 30MHz-1GHz



Site 966 Chamber

: FCC 15.109-(CLASS B) VULB9168(20M~2G) HORIZONTAL Condition

: EI-2011-C10006 Project No. Applicant Fujitsu Toshiba

Mobile Communications Limited

EUT Description: CDMA TS008 TS008 EUT Model

Test Mode : Full function (REC mode) _config2

Temp./Humid. : 22/58

| P | erato | 1 | : J1mm | Y | | | | | | | |
|-----|-------------------------|----------------------------|----------------------------------|---------------------------------|--------|------------------------------|----------------------------|----------------------------------|----------------------------------|-------------------------------------|----------------------|
| | | | Read | Antenna | Preamp | Cable | | | Limit | 0ver | |
| | | Freq | Level | Factor | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | | MHz | dBu∀ | dB/m | dB | dB | dB/m | āBūV∕m | dBu∀/m | dB | |
| | 1 2 3 4 5 q | 148.34 209.45 270.56 | 38.64 43.50 41.98 50.36 | 9.44 14.03 10.07 12.15 | | 0.72 0.95 1.23 1.43 | -12.36 -15.71 -13.17 | 21.16 31.14 26.27 37.19 | 43.52 43.52 43.52 46.02 | -22.36 -12.38 -17.25 -8.83 | QP QP QP QP |
| - 1 | n | 299 bb | 4h. 22 | 12.811 | 26.73 | 1.48 | -12.45 | 33.77 | 4b. H2 | -12.25 | LIP |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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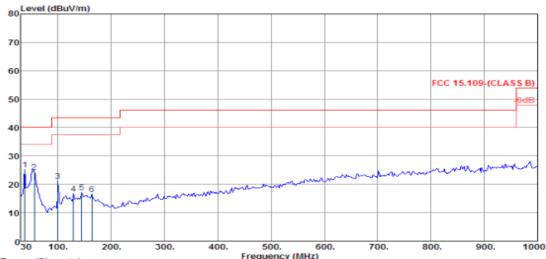


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Test Mode: Config 3 Test Date: Jan. 20, 2011

Frequency Range: 30MHz-1GHz Test By: Nick



Trace: (Discrete)

Site 966 Chamber

Condition FCC 15.109-(CLASS B) VULB9168(20M~2G) VERTICAL

Project No. : EI-2011-C10006 Applicant Fujitsu Toshiba

Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (Play mode) _config3

Temp./Humid. 22/58 Operator 11 mmv

| | COI | . 31 | y | | | | | | | |
|---|----------------|-------------------------|---|-------------------------|----------------------|----------------------------|-------------------------|---|----------------------------|----------------|
| | | Read | Antenna | Preamp | Cable | | | Limit | 0ver | |
| | Freq | Level | Factor | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | MHz | −−dBuV | dB/m | dB | dB | dB/m | āBūV∕m | dBu∀/m | āB | |
| 3 | 56.19 99.84 | 38.44 37.77 30.68 | 13.73 13.07 10.15 12.68 13.77 | 27.84 27.57 27.48 | 0.55 0.72 0.83 | -14.22 -16.70 -13.97 | 24.22 21.07 16.71 | 40.00 40.00 43.52 43.52 43.52 | -15.78 -22.45 -26.81 | QP QP QP |
| 5 | 163.86 | 28.85 | 13.76 | 27.21 | 1.10 | -12.35 | 16.50 | 43.52 | -27.02 | úΡ |

Remark:

123456

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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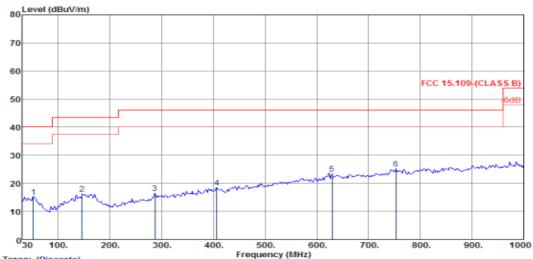


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Test Mode: Config 3 Test Date: Jan. 20, 2011

Test By: Nick Frequency Range: 30MHz-1GHz



Trace: (Discrete)

966 Chamber Site

Condition FCC 15.109-(CLASS B) VULB9168(20M~2G) HORIZONTAL

: EI-2011-C10006 Project No. Applicant Fujitsu Toshiba

Mobile Communications Limited EUT Description: CDMA TS008

EUT Model TS008

Test Mode Full function (Play mode) _config3

Temp./Humid. : 22/58

| Jpera | ator | | : J1mm | / | | | | | | | |
|-----------------------|------------------|------------------|-------------------------|-------------------------|----------------------------------|------------------------------|-------------------------------------|--|----------------------------------|--------------------------------------|----------------------|
| | | | Read | Antenna | Preamp | Cable | | | Limit | 0ver | |
| | | Freq | Level | Factor | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | | MHz | −−dBu¥ | dB/m | dB | dB | dB/m | āBū₹/m | dBu∀/m | dB | |
| 1 2 3 4 5 | 1 2 2 6 | 106.36 329.46 | 29.30 29.17 29.80 | 13.90 12.54 14.89 | 27.36 26.74 27.45 27.44 | 0.95 1.43 1.78 2.18 | -12.51 -12.77 -10.78 -6.41 | 15.26 16.34 16.53 18.39 23.39 25.10 | 43.52 46.02 46.02 46.02 | -27.18 -29.49 -27.63 -22.63 | QP QP QP QP |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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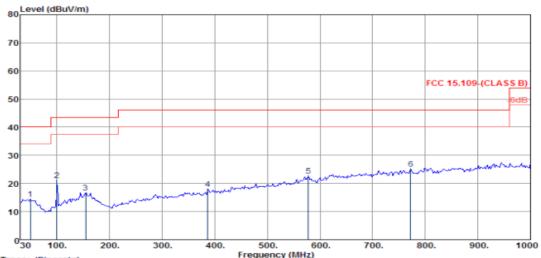


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Test Mode: Config 4 Test Date: Jan. 20, 2011

Frequency Range: 30MHz-1GHz Test By: Nick



Trace: (Discrete)

Site 966 Chamber

Condition FCC 15.109-(CLASS B) VULB9168(20M~2G) VERTICAL

Project No. EI-2011-C10006 Applicant Fujitsu Toshiba

Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode Full function (Play mode) _config4

Temp./Humid. 22/58 Operator : Jimmy

| | Freq | | | Preamp Factor | | | | | | |
|--------|-------------------------------------|----------------------------------|----------------------------------|-------------------------|------------------------------|---------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------------|
| | MHz | dBuÿ | dB/m | dB | dB | dB/m | āBū⊽/m | dBu∀/m | dB | |
| 123456 | 99.84 154.16 386.96 578.05 | 37.88 28.84 29.17 30.24 | 10.15 14.15 14.51 17.89 | 27.28 27.32 27.57 | 0.72 0.95 1.74 2.13 | -12.18 -11.07 -7.55 | 21.18 16.66 18.10 22.69 | 43.52 43.52 46.02 46.02 | -22.34 -26.86 -27.92 -23.33 | QP QP QP QP |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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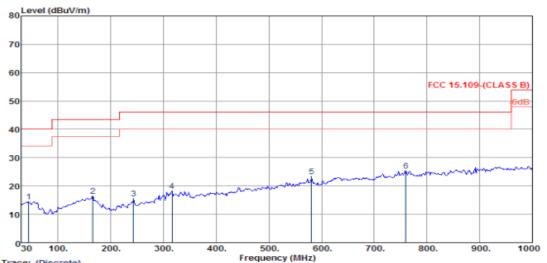


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Test Mode: Config 4 Test Date: Jan. 20, 2011

Frequency Range: 30MHz-1GHz Test By: Nick



Trace: (Discrete) Site

: 966 Chamber

Condition : FCC 15.109-(CLASS B) VULB9168(20M~2G) HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model : TS008

Test Mode : Full function (Play mode) _config4

Temp./Humid. : 22/58 Operator : Jimmy

| pera | ator | : Jimm | V | | | | | | | |
|--------|--------|--------|---------|------------------|------|----------|--------|--------|--------|----------|
| | Frea | | | Preamp Factor | | | | | Over | Remark |
| | 1104 | 20101 | i accor | 1 4000 | L033 | 1 000001 | LCVCI | 21110 | | Heliatra |
| | MHz | dBu∀ | dB/m | −−−−dB | d₿ | dB/m | dBūV/m | dBūV/m | dB | |
| 1 | 44.55 | 28 06 | 13 82 | 27.82 | 0.38 | -13.62 | 14 44 | 40 nn | -25 56 | ΩP |
| 2 3 | 165.80 | 29.10 | 13.56 | 27.20 | 1.10 | -12.54 | 16.56 | 43.52 | -26.96 | QP |
| 3 | 243.40 | 29.58 | 11.50 | 26.81 | 1.32 | -13.99 | 15.59 | 46.02 | -30.43 | QP |
| 4 | 316.15 | 30.21 | 13.24 | 26.82 | 1.53 | -12.05 | 18.16 | 46.02 | -27.86 | QP |
| 4 5 | 580.96 | 30.76 | 17.93 | 27.56 | 2.17 | -7.46 | 23.30 | 46.02 | -22.72 | QP . |
| 6 0 | 759 44 | | | | | -4 22 | | | | |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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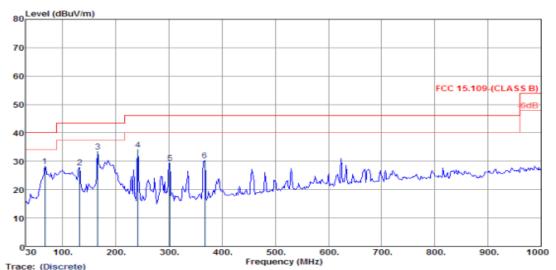


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Test Mode: Config 5 Test Date: Jan. 20, 2011

Frequency Range: 30MHz-1GHz Test By: Nick



Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) VULB9168(20M~2G) VERTICAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Data link _config5 Temp./Humid. : 22/58

Temp./Humid. : 22/58 Operator : Jimmy

ReadAntenna Preamp Cable 0ver Limit Freq Level Factor Factor Loss Factor Level Limit Remark MHz dBu¥ dB/m dB/m dBuV/m dBuV/m ₫B ₫B ₫B 44.19 41.59 45.86 48.24 41.80 41.57 -16.00 -13.72 -12.54 -14.03 -12.41 -11.31 11.21 12.79 13.56 11.47 12.85 14.20 27.76 27.46 27.20 26.82 26.74 27.15 28.19 27.87 33.32 34.21 29.39 30.26 40.00 -11.81 43.52 -15.65 43.52 -10.20 46.02 -11.81 46.02 -16.63 46.02 -15.76 66.86 0.55 0.95 123456 131.85 QP QP 1.10 241.461.32

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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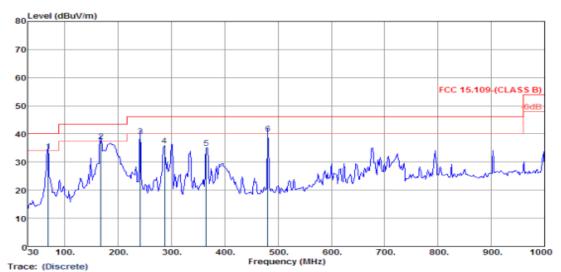


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Test Mode: Config 5 Test Date: Jan. 20, 2011

Test By: Nick Frequency Range: 30MHz-1GHz



Site 966 Chamber

FCC 15.109-(CLASS B) VULB9168(20M~2G) HORIZONTAL Condition

Project No. : EI-2011-C10006 Fujitsu Toshiba Applicant

Mobile Communications Limited

CDMA TS008 EUT Description: TS008 EUT Model

Test Mode : Data link _config5

Temp./Humid. : 22/58

Op

| pera | ator | | : Jimmy | / | | | | | | | |
|----------------------------|----------------------|-------------------------|-------------------------|---|--|--------------------------------------|----------------------------|----------------------------------|----------------------------------|------------------------------------|----------------------|
| | | Frea | | | Preamp Factor | | | | | Over Limit | Remark |
| | | MHz | | | dB | | dB/m | | | dB | |
| 1 2 3 4 5 6 | 16 24 28 36 | 11.46 37.05 34.65 | 53.15 48.73 46.47 | 10.82 13.37 11.47 12.54 14.12 | 27.75 27.20 26.82 26.74 27.14 27.61 | 0.55 1.10 1.32 1.43 1.64 | -14.03 -12.77 -11.38 | 37.46 39.12 35.96 35.09 | 43.52 46.02 46.02 46.02 | -6.06 -6.90 -10.06 -10.93 | QP QP QP QP |

Remark:

- (1) All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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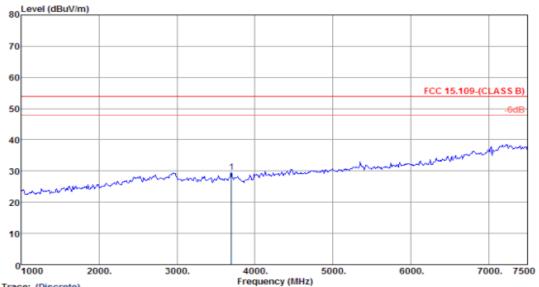


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Test Mode: Config 1 Jan. 20, 2011 Test Date:

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

: 966 Chamber Site

: FCC 15.109-(CLASS B) BBHA9120D VERTICAL Condition

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

: Full function (REC mode) _config1 Test Mode

Temp./Humid. : 22/58 Operator Jimmv

ReadAntenna Preamp Cable Limit Over Freq Level Factor Factor Loss Factor Level Limit Remark Line dB/m dBuV/m dBuV/m ďΒ MHz dBu∀ dB/m ₫B ₫B

1 p 3697.50 27.87 28.98 33.22 1.71 29.58 54.00 -24.42 Peak 5.95

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz

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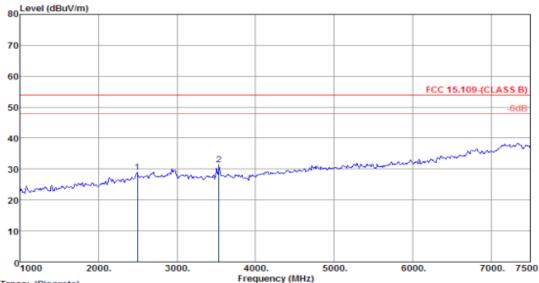


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Test Mode: Config 1 Test Date: Jan. 20, 2011

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Full function (REC mode) _config1

Temp./Humid. : 22/58 Operator : Jimmy

ReadAntenna Preamp Cable Limit 0ver Freq Level Factor Factor Loss Factor Level Limit Remark dB/m dB/m dBuV/m dBuV/m ďΒ MHz dBu¥ ₫B ₫B 29.18 30.37 32.53 33.43 4.80 -0.15 1.00 29.03 54.00 -24.97 Peak 31.37 54.00 -22.63 Peak 5.85

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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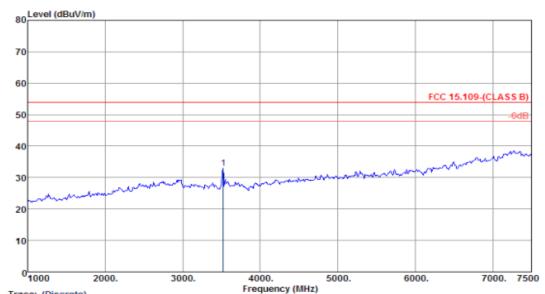


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Test Mode: Config 2 Jan. 20, 2011 Test Date:

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

: 966 Chamber Site

: FCC 15.109-(CLASS B) BBHA9120D VERTICAL Condition

Project No. : EI-2011-C10006 : Fujitsu Toshiba Applicant

Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (Play mode) _config2

Temp./Humid. 22/58 Operator 0 Jimmy

> ReadAntenna Preamp Cable Limit Over

Freq Level Factor Factor Loss Factor Limit Remark Level Line dBu∀ MHz dB/m ₫B ₫B dB/m dBuV/m dBuV/m ₫B

0.96 32.97 54.00 -21.03 Peak 1 p 3522.00 32.01 28.54 33.43 5.85

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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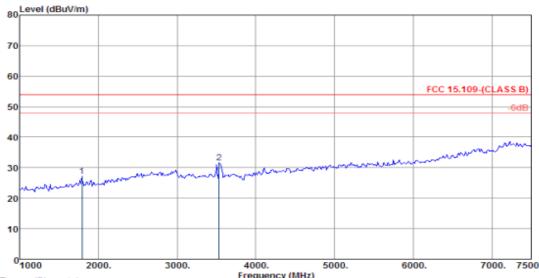


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Test Mode: Config 2 Test Date: Jan. 20, 2011

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Full function (Play mode) _config2

Temp./Humid. : 22/58 Operator : Jimmy

ReadÄntenna Preamb Cable Limit Over Freq Level Factor Factor Loss Factor Level Line Limit Remark

MHz dBu∀ dB/m ₫B ₫Ē dB/m dBuV/m dBuV/m dΒ 30.54 30.54 25.49 28.58 27.13 31.54 54.00 -26.87 Peak 54.00 -22.46 Peak 1793.00 32.92 4.02 -3.41 33.43 3535.00 5.85 1.00

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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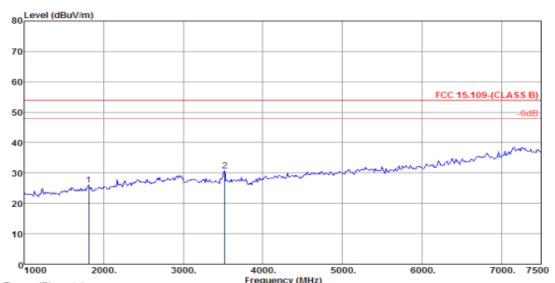


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Test Mode: Config 3 Test Date: Jan. 20, 2011

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) BBHA9120D VERTICAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model : TS008

Test Mode : Full function (REC mode) _config3

Temp./Humid. : 22/58 Operator : Jimmy

ReadAntenna Preamp Cable Limit 0ver Freq Level Factor Factor Loss Factor Level Limit Remark dB/m ₫B dB/m dBuV/m dBuV/m ₫B -3.24 0.96 26.06 30.75 54.00 -27.94 Peak 54.00 -23.25 Peak 1812.50 3522.00 29.30 29.79 25.53 28.54 32.86 33.43 4.09 5.85

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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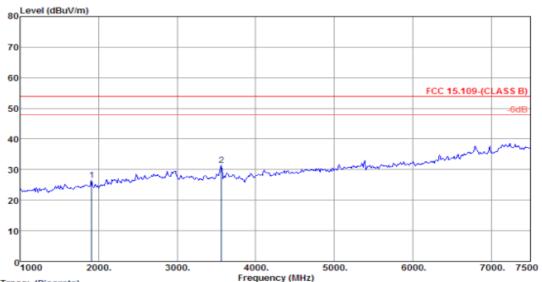


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Test Mode: Config 3 Jan. 20, 2011 Test Date:

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

966 Chamber Site

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

Project No. : EI-2011-C10006 : Fujitsu Toshiba Applicant

Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model : TS008

Test Mode : Full function (REC mode) _config3

Temp./Humid. : 22/58 Operator Jimmy

ReadAntenna Preamp Cable Limit 0ver Level Factor Factor Loss Factor Level Limit Remark MHz dBu₹ dB/m ₫B dΒ dB/m dBuV/m dBuV/m ďΒ 29.67 30.16 26.57 31.32 54.00 -27.43 Peak 54.00 -22.68 Peak 1910.00 25.72 32.96 4.14 -3.10 28.66 33.37 5.87 3567.50

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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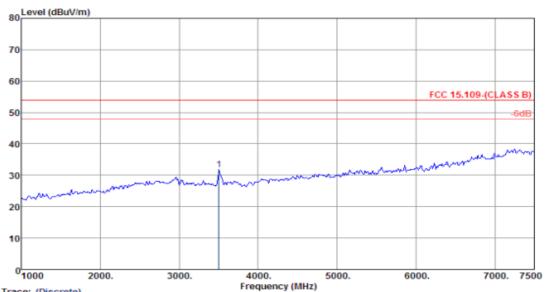


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Test Mode: Config 4 Jan. 20, 2011 Test Date:

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

966 Chamber Site

: FCC 15.109-(CLASS B) BBHA9120D VERTICAL Condition

Project No. : EI-2011-C10006 : Fujitsu Toshiba Applicant

Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model : TS008

Test Mode : Full function (Play mode) _config4

Temp./Humid. : 22/58 Operator Jimmy

ReadAntenna Preamp Cable Limit Over Freq Level Factor Factor Loss Factor Level Limit Remark Line MHz dBu∀ dB/m ₫B ₫Ē dB/m dBuV/m dBuV/m dB 1 p 3502.50 30.95 28.50 33.47 0.87 31.82 54.00 -22.18 Peak 5.84

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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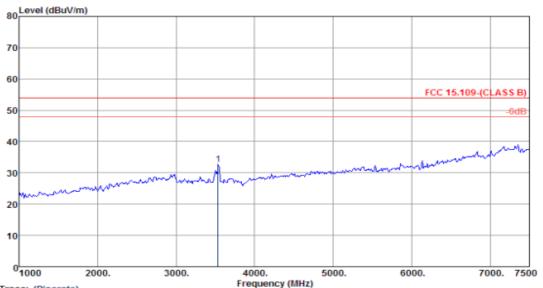


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Test Mode: Config 4 Jan. 20, 2011 Test Date:

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

: EI-2011-C10006 Project No. Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Full function (Play mode) _config4

Temp./Humid. : 22/58

Operator : Jimmy

ReadAntenna Preamp Cable Loss Factor Freq Level Factor Factor Level Limit Remark dBu¥ dB/m dΒ dB/m dBuV/m dBuV/m

3535.00 31.67 28.58 33.43 5.85 1.00 32.67 54.00 -21.33 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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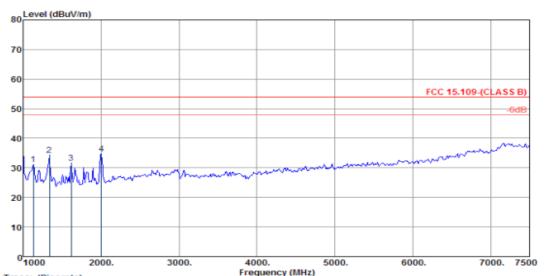


Report No.: EI/2011/10006 Issue Date: Feb. 10, 2011

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Test Mode: Config 5 Test Date: Jan. 20, 2011

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

Site 966 Chamber

Condition FCC 15.109-(CLASS B) BBHA9120D VERTICAL

: EI-2011-C10006 Project No. Applicant Fujitsu Toshiba

Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model TS008

Test Mode : Data link _config5

Temp./Humid. : 22/58

| pena | COL | | . J I IIIIII | / | | | | | | | |
|------|--------|------|--------------|--------|--------|------|--------|--------|--------|--------|--------|
| | | | | | Preamp | | | | | 0ver | |
| | F | req | Level | Factor | Factor | Loss | Factor | Level | Line | Limit | Remark |
| | | | | | | | | | -= | | |
| | | MHz | dBu¥ | dB/m | dB | dB | dB/m | dBuV/m | dBuV/m | dB | |
| | 1120 | | 20.00 | 24 42 | 22 21 | 2 10 | F 70 | 21 20 | E4 00 | 22 00 | Deel |
| - 1 | | | | 24.43 | | | -5.70 | | | | |
| 2 | 1338 | 3.00 | 39.14 | 24.70 | 32.91 | 3.43 | -4.78 | 34.36 | 54.00 | -19.64 | Peak |
| 3 | | | | 25.13 | | | -3.96 | | | | |
| 4 p | | | | | 33.11 | | -2.97 | | | | |
| ~ D | - 2001 | | 0.10 | 20.00 | 00.11 | 4.60 | 2.31 | J4. FJ | 34.00 | | I GUEN |

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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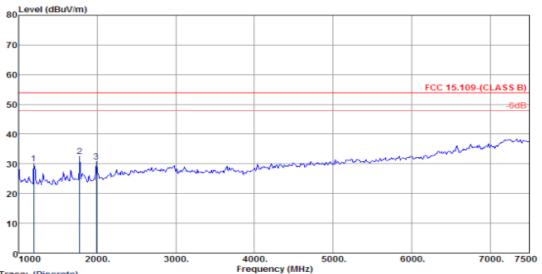


Report No.: EI/2011/10006 Issue Date: Feb. 10, 2011

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Test Mode: Config 5 Test Date: Jan. 20, 2011

Frequency Range: 1GHz – 7.5GHz Test By: Nick



Trace: (Discrete)

: 966 Chamber Site

FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL Condition

: EI-2011-C10006 Project No. Applicant : Fujitsu Toshiba

Mobile Communications Limited

EUT Description: CDMA TS008 EUT Model TS008

: Test Mode : Data link _config5

Temp./Humid. : 22/58

0pe

| perator | | : Jimmy | / | | | | | | | | |
|---------------|-------------------------------|---------|----------|--------------|------|--------|--------|--------|--------|--------|--|
| | | | | Preamp Cable | | | | | | | |
| | Freq | Level | Factor | Factor | Loss | Factor | Level | Line | Limit | Remark | |
| | MHz | dBu₹ | dB/m | ₫B | dB | _dB/m | dBu∜/m | dBu∀/m | d₿ | | |
| 1 2 p 3 | 1195.00 1780.00 1988.00 | 35.87 | 25.46 | 32.92 | 4.02 | -3.44 | 32.43 | 54.00 | -21.57 | Peak | |

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 1GHz to 7.5GHz was 1MHz

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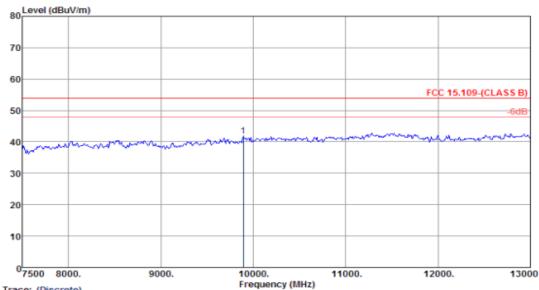


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Test Mode: Jan. 20, 2011 Config 1 Test Date:

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

: FCC 15.109-(CLASS B) BBHA9120D VERTICAL Condition

Project No. : EI-2011-C10006

Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Full function (REC mode) _config1

Temp./Humid. 22/58 Operator Jimmy

ReadAntenna Preamp Cable Limit Over

Freq Level Factor Factor Loss Factor Level Limit Remark Line MHz dBu∀ dB/m ďΒ ₫B dB/m dBuV/m dBuV/m ₫B

1 p 9892.50 25.52 38.08 32.11 10.38 16.35 41.87 54.00 -12.13 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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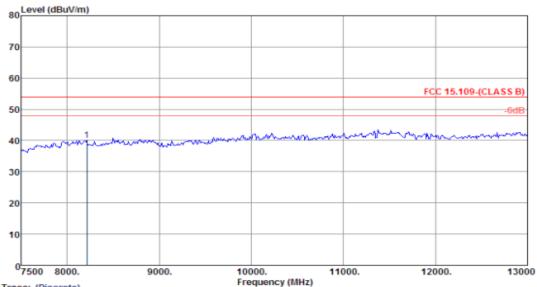


Report No.: EI/2011/10006 Issue Date: Feb. 10, 2011

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Test Mode: Test Date: Jan. 20, 2011 Config 1

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

966 Chamber Site

: FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL Condition

Project No. : EI-2011-C10006 : Fujitsu Toshiba Applicant

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (REC mode) _config1

Temp./Humid. 22/58 Operator Jimmy

ReadAntenna Preamp Cable Limit 0ver

Freq Level Factor Factor Loss Factor Level Limit Remark Line dBu₹ dB/m ₫B ₫Ē MHZ ₫B dB/m dBuV/m dBuV/m

9.36 14.16 40.04 54.00 -13.96 Peak 1 p 8215.00 25.88 37.08 32.28

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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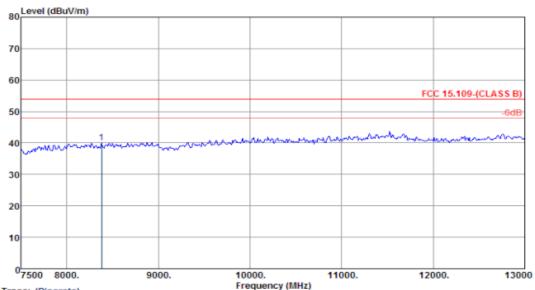


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Test Mode: Jan. 20, 2011 Config 2 Test Date:

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

966 Chamber Site

Condition : FCC 15.109-(CLASS B) BBHA9120D VERTICAL

Project No. : EI-2011-C10006 : Fujitsu Toshiba Applicant

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (Play mode) _config2

Temp./Humid. : 22/58 Operator Jimmy

ReadAntenna Preamp Cable Limit 0ver Loss Factor Level Freq Level Factor Factor Line

Limit Remark dBuV dB/m ₫B dΒ dB/m dBuV/m dBuV/m

1 p 8380.00 25.66 37.13 32.10 9.51 14.54 40.20 54.00 -13.80 Peak

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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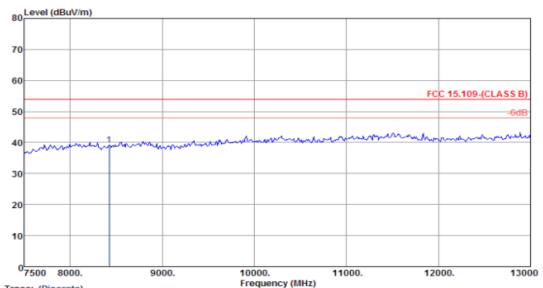


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Test Mode: Config 2 Test Date: Jan. 20, 2011

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Full function (Play mode) _config2

Temp./Humid. : 22/58 Operator : Jimmy

ReadAntenna Preamp Cable Limit Over
Freq Level Factor Factor Loss Factor Level Line Limit Remark

MHz dBuV dB/m dB dB/m dBuV/m dBuV/m dB

1 p 8424.00 24.58 37.15 32.04 9.58 14.69 39.27 54.00 -14.73 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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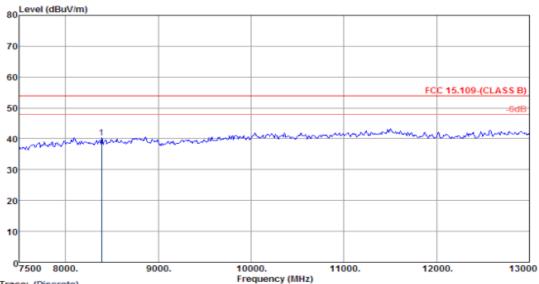


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Test Mode: Config 3 Jan. 20, 2011 Test Date:

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition FCC 15.109-(CLASS B) BBHA9120D VERTICAL

Project No. : EI-2011-C10006 : Fujitsu Toshiba Applicant

Mobile Communications Limited

EUT Description: CDMA TS008

: TS008 EUT Model

Test Mode : Full function (REC mode) _config3

Temp./Humid. : 22/58 Operator Jimmv

ReadAntenna Preamp Limit Cable Over Freq Level Factor Factor Loss Factor Level Limit Remark Line dBuV dB/m ďΒ dB/m dBuV/m dBuV/m MHZ ₫Ŗ dΒ 1 p 8391.00 25.80 37.14 32.07 9.51 14.58 40.38 54.00 -13.62 Peak

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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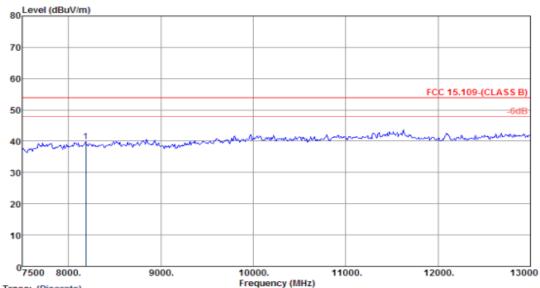


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Test Mode: Test Date: Jan. 20, 2011 Config 3

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

: 966 Chamber Site

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (REC mode) _config3

Temp./Humid. : 22/58 Operator Jimmy

> ReadAntenna Preamp Cable Limit 0ver Loss Factor Level Freq Level Factor Factor Line Limit Remark

dBuV dB/m ₫B dΒ dB/m dBuV/m dBuV/m

1 p 8187.50 25.69 37.08 32.30 9.34 14.12 39.81 54.00 -14.19 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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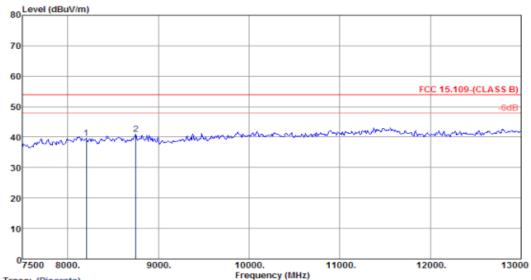


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Test Mode: Config 4 Jan. 20, 2011 Test Date:

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

: FCC 15.109-(CLASS B) BBHA9120D VERTICAL Condition

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (Play mode) _config4

Temp./Humid. : 22/58 Jimmy

Operator

ReadAntenna Preamp Cable Limit 0ver Freq Level Factor Factor Loss Factor Limit Remark Level Line MHz dBu∀ dB/m ₫B dB/m dBuV/m dBuV/m dΒ ₫B 25.46 26.09 37.08 37.28 54.00 -14.40 Peak 54.00 -13.00 Peak 32.28 32.09 9.34 9.72 39.60 14.14 14.91 41.00

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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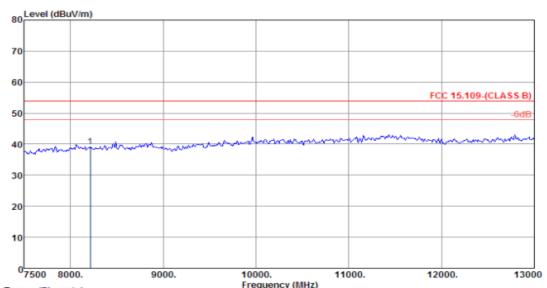


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Test Mode: Config 4 Test Date: Jan. 20, 2011

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site 966 Chamber

: FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL Condition

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Full function (Play mode) _config4 Temp./Humid. : 22/58

Operator

ReadAntenna Preamp Freq Level Factor Factor Loss Factor Level Limit Remark dBuV dB/m ₫B ₫B dB/m dBuV/m dBuV/m

1 p 8215.00 25.11 37.08 32.28 9.36 14.16 39.27 54.00 -14.73 Peak

Remark:

(1) All Readings above 1GHz are Peak and Average measurement as necessary.

(2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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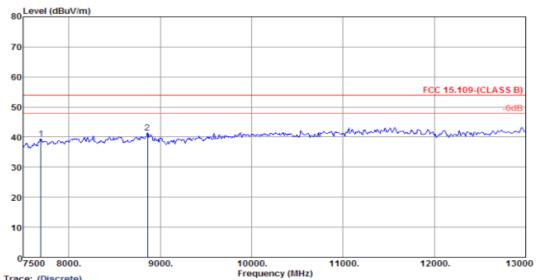


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Test Mode: Config 5 Jan. 20, 2011 Test Date:

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site 966 Chamber

: FCC 15.109-(CLASS B) BBHA9120D VERTICAL Condition

: EI-2011-C10006 Project No. Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model TS008

Test Mode : Data link _config5

Temp./Humid. : 22/58 Jimmy

ReadAntenna Preamp Cable Limit Over Level Factor Factor Loss Factor Limit Remark Level Line MHz dBu¥ dB/m dΒ dΒ dB/m dBuV/m dBuV/m ďΒ 54.00 -14.46 Peak 54.00 -12.55 Peak 7692.50 26.64 36.54 32.67 9.03 12.90 39.54 26.55 37.34 32.26 8864.00 9.82 14.90 41.45

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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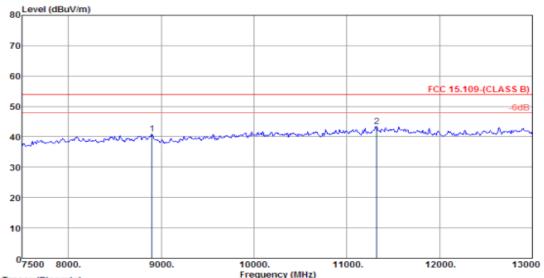


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Test Mode: Config 5 Test Date: Jan. 20, 2011

Frequency Range: 7.5GHz – 13GHz Test By: Nick



Trace: (Discrete)

Site : 966 Chamber

Condition : FCC 15.109-(CLASS B) BBHA9120D HORIZONTAL

Project No. : EI-2011-C10006 Applicant : Fujitsu Toshiba

: Mobile Communications Limited

EUT Description: CDMA TS008

EUT Model : TS008

Test Mode : Data link _config5

Temp./Humid. : 22/58

Operator : Jimmy

ReadAntenna Preamp Cable Limit Over Freq Level Factor Factor Loss Factor Level Limit Remark Line MHz dBu¥ dB/m ₫B dB/m dBuV/m dBuV/m ₫Ē ₫B 26.23 24.83 37.36 39.33 32.34 32.04 9.86 11.27 41.11 43.39 54.00 -12.89 Peak 54.00 -10.61 Peak 18.56

Remark:

- (1) All Readings above 1GHz are Peak and Average measurement as necessary.
- (2) The IF bandwidth of SPA 30MHz to 1GHz was 100KHz and 7.5GHz to 13GHz was 1MHz

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