



EMI TEST REPORT

Test Report No. : 24FE0196-HO-2

Applicant : Fujitsu Ten Limited
Type of Equipment : Display
Model No. : 134000-290
Test standard : FCC Part 15 Subpart C : 2003
Section 15.207, Section 15.247
FCC ID : BAB134000-290
Test Result : Complied

1. This test report shall not be reproduced in full or partial, without the written approval of UL Apex Co., Ltd.
2. The results in this report apply only to the sample tested.
3. This equipment is in compliance with above regulation. We hereby certify that the data contain a true representation of the EMC profile.
4. The test results in this report are traceable to the national or international standards.
5. This test report does not constitute an endorsement by NIST/NVLAP or U.S. Government.

Date of test:

March 16 and 17, 2004

Tested by:

Hiroka Umeyama
EMC Service

Kenichi Adachi
EMC Service

Approved by :

Hironobu Shimoji
Group Leader of
EMC Service

UL Apex Co., Ltd.

Head Office EMC Lab.

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SECTION 1: Client information

Company Name : Fujitsu Ten Limited
Address : 2-28 Gosho-Dori 1-chome, Hyogo-ku, Kobe 652-8510 Japan
Telephone Number : +81-78-682-2159
Facsimile Number : +81-78-671-7160
Contact Person : Naoto Nishimura

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment : Display
Model No. : 134000-290
Serial No. : 4(for Radiated Spurious Emissions)
7(except for Radiated Spurious Emissions)
Rating : DC13.2V/3A and below
Country of Manufacture : JAPAN
Receipt Date of Sample : March 10, 2004
Condition of EUT : Engineering prototype
(Not for Sale: This sample is equivalent to mass-produced items.)

2.2 Product Description

Fujitsu Ten Limited, Model No: 134000-290 (referred to as the EUT in this report) is the Display.
EUT is installed in the vehicles on the production line. EUT is the display with Bluetooth module and can be communicated with other Bluetooth devices such as a cellular phone.

Other Clock Frequencies : 8.3076MHz, 12.55MHz (Microprocessor)/19.17MHz (Echo canceller)
50kHz, 196.1kHz, 6.29MHz (other communication clocks)
86.5kHz (D-D converter)/55kHz (Inverter)
150Hz (Back light duty)/15.734kHz (Synchronous separation)
500kHz, 8kHz, 115.2kHz (Bluetooth)
27MHz, 18.432kHz (Drawing dot clock)
Equipment Type : Transceiver
Emission designation : F1D
Frequency of operation : 2402-2480MHz
Type of modulation : FSK, FHSS
Bandwidth & Channel spacing : 79MHz & 1MHz
Transmit power or power range : 2.5mW and below
Antenna Type : Chip Multilayer Antenna
Antenna Gain : -3.5dBi
Antenna Connector Type : 2DA923G0520D-215
Operating voltage (inner) : DC+3- +3.5V
Operating Temperature : -30 deg. C. - +85 deg. C.

FCC 15.31 (e)

This EUT provides stable voltage(DC3-3.5V) constantly to RF Module regardless of input voltage. Therefore, this EUT complies with the requirement.

FCC Part 15.203 Antenna requirement

It is impossible for end users to replace the antenna, because the antenna is mounted inside of the EUT. Therefore, the equipment complies with the antenna requirement of Section 15.203.

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SECTION 3: Test specification, procedures & results

3.1 Test Specification

Test Specification : FCC Part15 Subpart C : 2003

Title : FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators
Section 15.207 Conducted limits
Section 15.247 Operation within the bands 902-928MHz,
2400-2483.5MHz, and 5725-5850MHz

3.2 Procedures and results

| No. | Item | Test Procedure | Specification | Remarks | Deviation | Worst margin | Results |
|-----|------------------------------|-----------------|--------------------------|------------------------|-----------|-----------------------------------|----------|
| 1 | Conducted emission | ANSI C63.4:2001 | Section 15.207 | - | N/A | N/A*1) | Complied |
| 2 | Carrier Frequency Separation | ANSI C63.4:2001 | Section15.247(a)(1) | Conducted | N/A | - | Complied |
| 3 | 20dB Bandwidth | ANSI C63.4:2001 | Section15.247(a)(1) | Conducted | N/A | - | Complied |
| 4 | Number of Hopping Frequency | ANSI C63.4:2001 | Section15.247(a)(1)(iii) | Conducted | N/A | - | Complied |
| 5 | Dwell time | ANSI C63.4:2001 | Section15.247(a)(1)(iii) | Conducted | N/A | - | Complied |
| 6 | Maximum Peak Output Power | ANSI C63.4:2001 | Section15.247(b)(1) | Conducted | N/A | - | Complied |
| 7 | Band Edge Compliance | ANSI C63.4:2001 | Section15.247(c) | Conducted | N/A | - | Complied |
| 8 | Spurious Emission | ANSI C63.4:2001 | Section15.247(c) | Conducted/ Radiated | N/A | 5.7dB 22320.0MHz Horizontal | Complied |

Note: UL Apex's EMI Work Procedures No.QPM05.

*1) The test is not applicable since the EUT does not have AC Mains.

*These tests were also referred to FCC Public Notice DA 00-705 "Guidance on Measurement for Frequency Hopping Spread Spectrum Systems".

*These tests were performed without any deviations from test procedure except for additions or exclusions.

3.3 Confirmation

UL Apex Co., Ltd. hereby confirms that E.U.T., in the configuration tested, complies with the specifications FCC Part 15 Subpart C : 2003 Section 15.207 and 15.247.

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3.4 Uncertainty

Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test using Biconical antenna is $\pm 4.5\text{dB}(3\text{m})$.

The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is $\pm 5.2\text{dB}(3\text{m})$.

The measurement uncertainty (with a 95% confidence level) for this test using Horn antenna is $\pm 6.6\text{dB}$.

The data listed in this report meets the limits unless the uncertainty is taken into consideration.

Other test except Conducted Emission and Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test is $\pm 3.0\text{dB}$.

The data listed in this test report has enough margin.

3.5 Test Location

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No.1 semi anechoic chamber has been fully described in a report submitted to FCC office, and listed on February 01, 2002. (Registration number: No.1:313583 Industry Canada: No.1: IC4247)

No.2 semi anechoic chamber has been fully described in a report submitted to FCC office, and listed on June 05, 2002. (Registration number: No.2:846015 Industry Canada: No.2: IC4247-2)

*NVLAP Lab. code: 200572-0

| Test room | Width x Depth x Height (m) | Size of reference ground plane(m) | Other rooms |
|----------------------------|----------------------------|-----------------------------------|------------------|
| No.1 semi-anechoic chamber | 19.2 x 11.2 x 7.7m | 7.0 x 6.0m | Preparation room |
| No.2 semi-anechoic chamber | 7.5 x 5.8 x 5.2m | 4.0 x 4.0m | - |
| No.3 shielded room | 4.7 x 7.5 x 2.7m | 4.7 x 7.5m | - |
| No.4 shielded room | 3.1 x 5.0 x 2.7m | N/A | - |

3.6 Test set up, Test instruments and Data of EMI

Refer to APPENDIX 1 to 3.

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SECTION 4: Operation of E.U.T. during testing

4.1 Operating Modes

The EUT exercise program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to typical use.

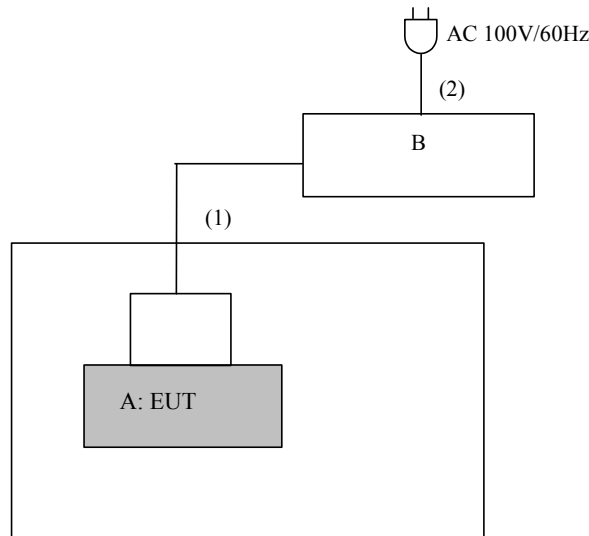
The sequence is used : Transmitting mode(Bluetooth)
Low Channel :2402MHz
Mid Channel :2441MHz
High channel :2480MHz
Inquiry

Internal drawing screen mode

*The standard operation state which displays the picture of an internal memory.

Justification: The system was configured in typical fashion (as a customer would normally use it) for testing.

4.2 Configuration and peripherals



*Cabling was taken into consideration and test data was taken under worse case conditions.

Description of EUT and support equipment

| No. | Item | Model number | Serial number | Manufacturer | FCC ID | Remark |
|-----|-----------------|--------------|---|---------------------|---------------|--------|
| A | Display | 134000-290 | 4(for Radiated Spurious Emissions) 7(except for Radiated Spurious Emissions) | Fujitsu Ten Limited | BAB134000-290 | EUT |
| B | DC Power supply | PMC35-2A | 13090501 | KIKUSUI | - | - |

List of cables used

| No. | Name | Length (m) | Shield | Backshell Material |
|-----|----------------|------------|--------|--------------------|
| (1) | DC power cable | 1.5 | N | Polyvinyl chloride |
| (2) | AC power cable | 2.0 | N | Polyvinyl chloride |

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SECTION 5: Carrier Frequency Separation, Section 15.247(a)(1)

Test Procedure

The carrier frequency separation was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

SECTION 6: 20dB Bandwidth, Section 15.247(a)(1)

Test Procedure

The 20dB bandwidth was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

SECTION 7: Number of Hopping Frequency, Section 15.247(a)(1)(iii)

Test Procedure

The Number of Hopping Frequency was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

SECTION 8: Dwell time, Section 15.247(a)(1)(iii)

Test Procedure

The Dwell time was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

SECTION 9: Maximum Peak Output Power, Section 15.247(b)(1)

Test Procedure

The Maximum Peak Output Power was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

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SECTION 10: Band Edge Compliance, Section 15.247(c)

Test Procedure

The Band Edge Compliance was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

SECTION 11: Spurious Emission, Section 15.247(c)

[Conducted]

Test Procedure

The Spurious Emission (Conducted) was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

[Radiated]

Test Procedure

EUT was placed on a platform of nominal size, 1m by 1.5m, raised 80cm above the conducting ground plane. Test was made with the antenna positioned in both the horizontal and vertical planes of polarization. The measuring antenna height was varied between 1 to 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity. The measurements were performed for both vertical and horizontal antenna polarization with the Test Receiver or the Spectrum Analyzer. The result was also satisfied the general limits specified in section 15.209(a).

| | | |
|-----------------|---------------|---|
| Frequency | Below 1GHz | Above 1GHz |
| Instrument used | Test Receiver | Spectrum Analyzer |
| IF Bandwidth | QP: BW 120kHz | PK: RBW:1MHz/VBW: 1MHz AV: RBW:1MHz/VBW:10Hz |

Test data : APPENDIX 3
Test result : Pass

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APPENDIX 1: Photographs of test setup

Spurious Emission (Radiated)

Front



Rear

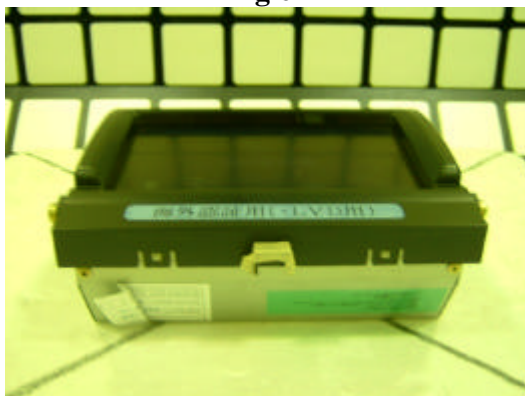


Tested EUT position

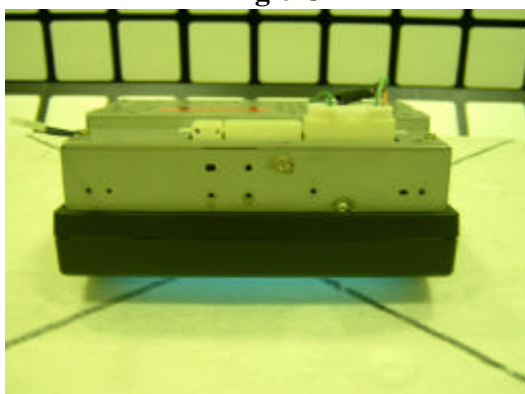
**Worst Case:
Angle A (Normal installation)**



Angle B



Angle C



APPENDIX 2: Test instruments

| Control No. | Instrument | Manufacturer | Model No | Test Item | Calibration Date * Interval(month) |
|-------------|---------------------|------------------|---------------------------|-----------|---------------------------------------|
| MAEC-01 | Anechoic Chamber | TDK | Semi Anechoic Chamber 10m | 8 | 2003/12/27 * 12 |
| MTR-01 | Test Receiver | Rohde & Schwarz | ESI40 | 8 | 2003/11/12 * 12 |
| MCC-23 | Microwave Cable | Storm | - | 8 | 2003/04/30 * 12 |
| MCC-05 | Microwave Cable | Storm | 421-011 | 8 | 2004/01/06 * 12 |
| MPA-01 | Pre Amplifier | Agilent | 8449B | 8 | 2004/02/06 * 12 |
| MHA-05 | Horn Antenna | Schwarzbeck | BBHA9120D | 8 | 2004/01/10 * 12 |
| MHA-01 | Horn Antenna | EMCO | 3160-09 | 8 | 2004/01/10 * 12 |
| MAEC-02 | Anechoic Chamber | TDK | Semi Anechoic Chamber 3m | 8 | 2003/04/11 * 12 |
| MRENT-08 | Spectrum Analyzer | Advantest | R3272 | 8 | 2004/03/04 * 12 |
| MBA-03 | Biconical Antenna | Schwarzbeck | BBA9106 | 8 | 2003/04/28 * 12 |
| MLA-03 | Logperiodic Antenna | Schwarzbeck | USLP9143 | 8 | 2003/04/28 * 12 |
| MAT-07 | Attenuator(6dB) | Weinschel Corp | 2 | 8 | 2003/12/16 * 12 |
| MPA-02 | Pre Amplifier | Agilent | 87405A | 8 | 2003/04/17 * 12 |
| MTR-02 | Test Receiver | Rohde & Schwarz | ESCS30 | 8 | 2004/02/03 * 12 |
| MCC-12 | Coaxial Cable | Fujikura/Agilent | - | 8 | 2004/02/24 * 12 |
| MRENT-09 | Spectrum Analyzer | Advantest | R3273 | 1-7 | 2004/02/18 * 12 |

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

- 1: Carrier Frequency Separation
- 2: 20dB Bandwidth
- 3: Number of Hopping Frequency
- 4: Dwell time
- 5: Maximum Peak Output Power
- 6: Band Edge Compliance
- 7: Spurious Emission (Conducted)
- 8: Spurious Emission (Radiated)

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APPENDIX 3: Data of EMI test

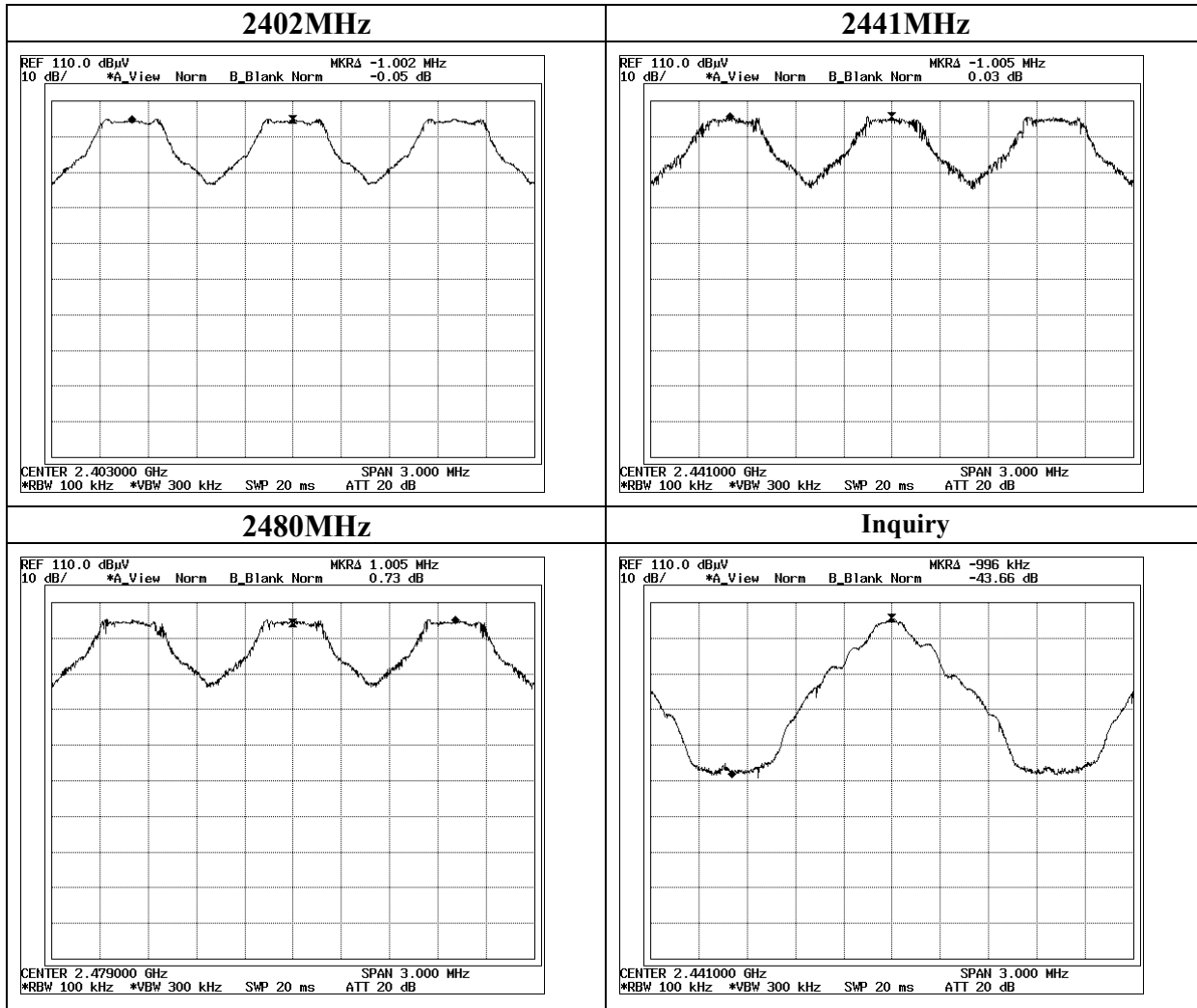
Carrier Frequency Separation

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

COMPANY : Fujitsu Ten Limited REGULATION : FCC Part15 Subpart C 15.247(a)(1)
EQUIPMENT : Display TEST DISTANCE : -
MODEL : 134000-290 DATE : 03/16/2004
S/ N : 7 TEMPERATURE : 25deg.C
POWER : 12VDC HUMIDITY : 30%
MODE : Tx(Hopping on)/Inquiry ENGINEER : Hiroka Umeyama

| CH | FREQ [MHz] | Channel separation [MHz] | Limit |
|---------|---------------|-----------------------------|-----------------------------|
| Low | 2402.0 | 1.002 | >20dB Bandwidth and 25[kHz] |
| Mid | 2441.0 | 1.005 | >20dB Bandwidth and 25[kHz] |
| High | 2480.0 | 1.005 | >20dB Bandwidth and 25[kHz] |
| Inquiry | 2441.0 | 0.996 x 2 | >20dB Bandwidth and 25[kHz] |

Carrier Frequency Separation



20dB Bandwidth

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Head Office EMC Lab. No.3 Measurement Room

COMPANY : Fujitsu Ten Limited
EQUIPMENT : Display
MODEL : 134000-290
S/ N : 7
POWER : 12VDC
MODE : Tx (Hopping off) /Inquiry

REGULATION : FCC Part15 Subpart C 15.247(a)(1)
TEST DISTANCE : -
DATE : 03/16/2004
TEMPERATURE : 25deg.C
HUMIDITY : 30%
ENGINEER : Hiroka Umeyama

| CH | FREQ [MHz] | 20dB Bandwidth [MHz] | Limit [MHz] |
|---------|---------------|-------------------------|----------------|
| Low | 2402.0 | 0.822 | 1.0 |
| Mid | 2441.0 | 0.762 | 1.0 |
| High | 2480.0 | 0.765 | 1.0 |
| Inquiry | 2441.0 | 0.684 | 1.0 |

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Head Office EMC Lab.

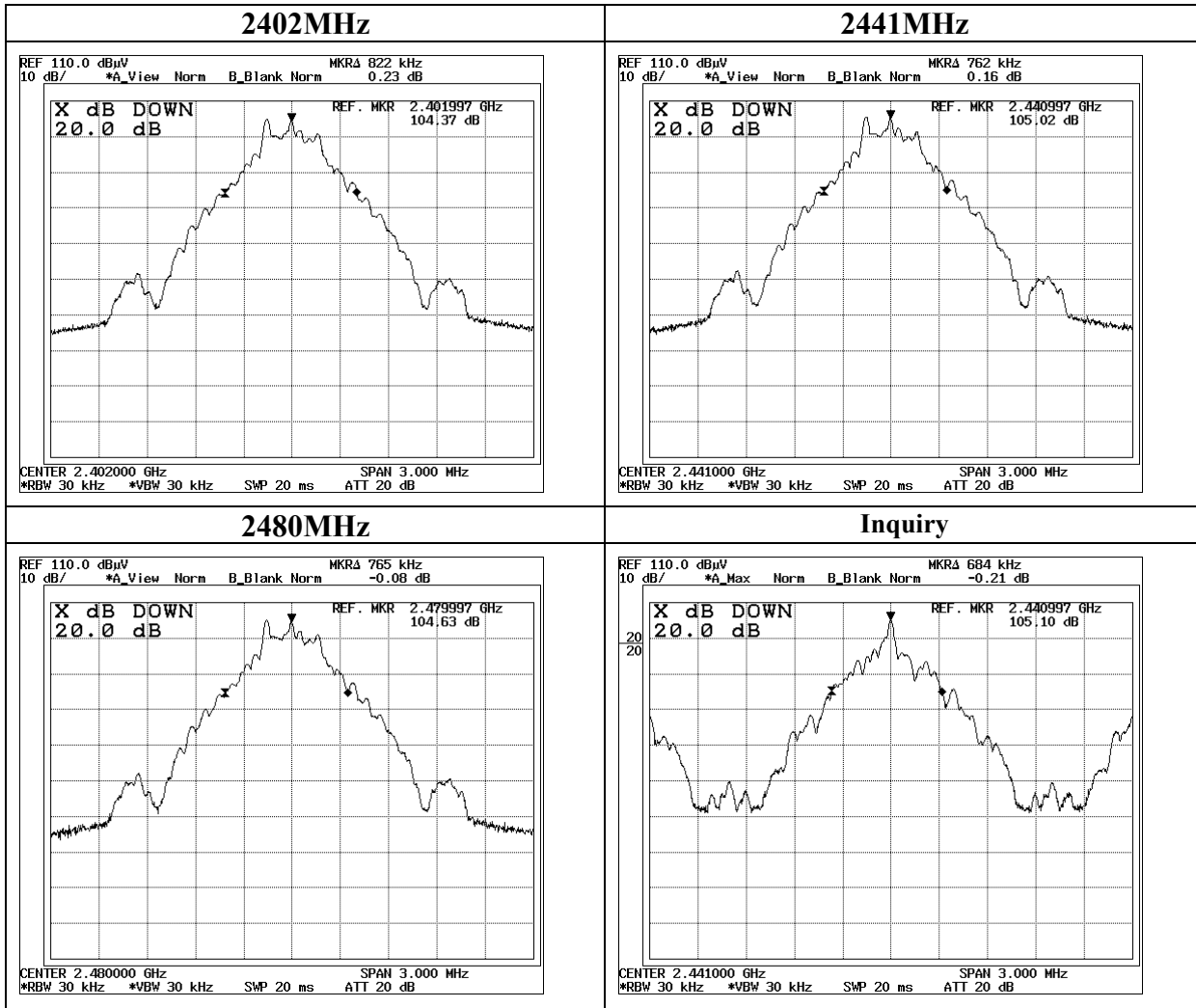
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20dB Bandwidth



Number of Hopping Frequency

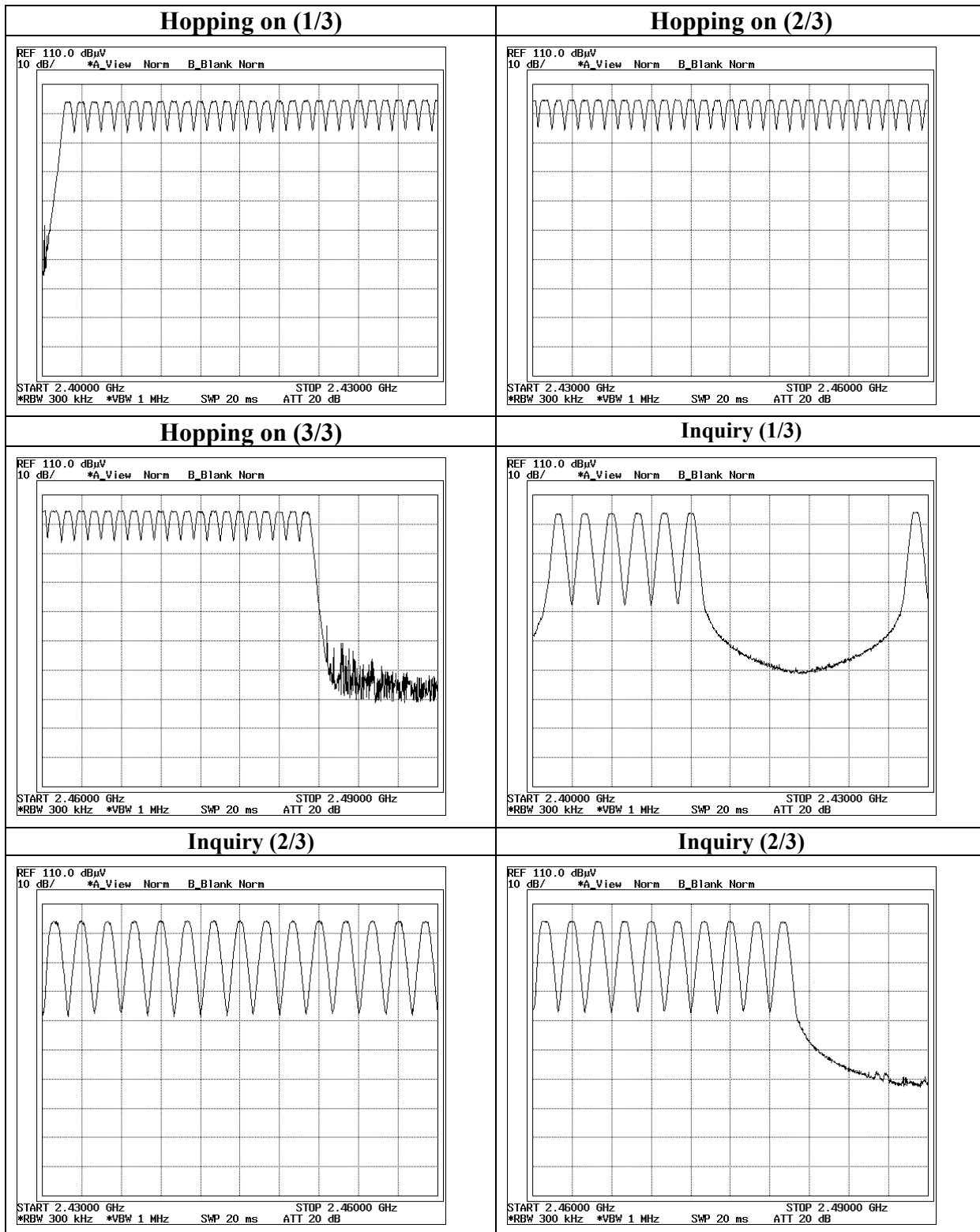
UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

COMPANY : Fujitsu Ten Limited REGULATION : FCC Part15 Subpart C 15.247(a)(1)(iii)
EQUIPMENT : Display TEST DISTANCE : -
MODEL : 134000-290 DATE : 03/16/2004
S/ N : 7 TEMPERATURE : 25deg.C
POWER : 12VDC HUMIDITY : 30%
MODE : Tx (Hopping on) /Inquiry ENGINEER : Hiroka Umeyama

| Mode | Number of channel [time] | Limit [time] |
|---------------|-----------------------------|-----------------|
| Tx(Hoppng on) | 79 | ≥ 15 |

| Mode | Number of channel [time] | Limit [time] |
|---------|-----------------------------|-----------------|
| Inquiry | 32 | ≥ 15 |

Number of Hopping Frequency



Dwell time

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

COMPANY : Fujitsu Ten Limited
EQUIPMENT : Display
MODEL : 134000-290
S/N : 7
POWER : 12VDC
MODE : Tx (Hopping on) /Inquiry
REGULATION : FCC Part15 Subpart C 15.247(a)(1)(iii)
TEST DISTANCE : -
DATE : 03/16/2004
TEMPERATURE : 25deg.C
HUMIDITY : 30%
ENGINEER : Hiroka Umeyama

| Mode | Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period | Length of transmission time [msec] | Result [msec] | Limit [msec] |
|---------|--|--|------------------|-----------------|
| DH1 | 58 | 0.418 | 25 | 400 |
| DH3 | 51 | 1.670 | 86 | 400 |
| DH5 | 53 | 2.920 | 155 | 400 |
| Inquiry | 41 times / 1sec. x 12.8 = 525 times | 0.122 | 65 | 400 |

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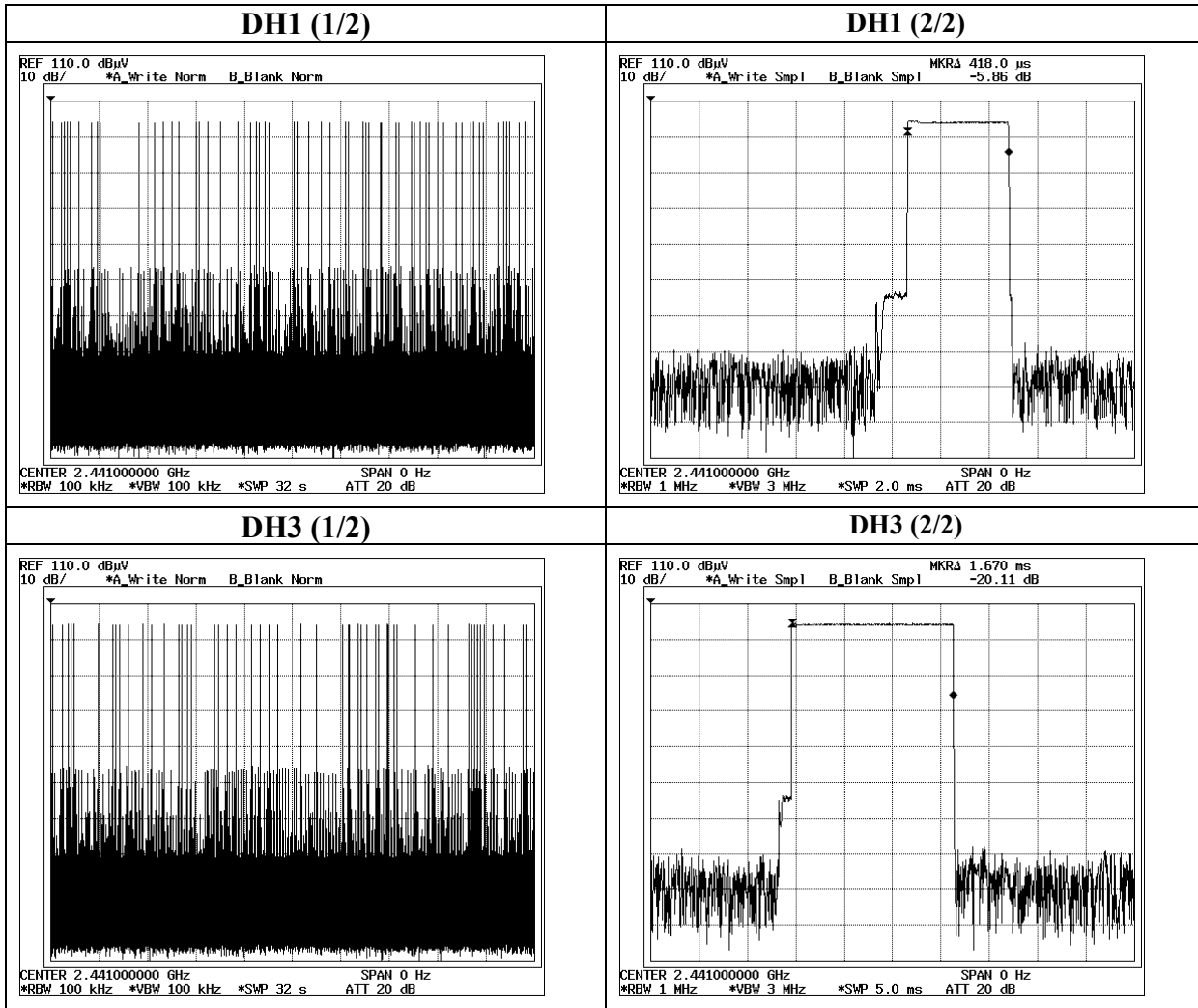
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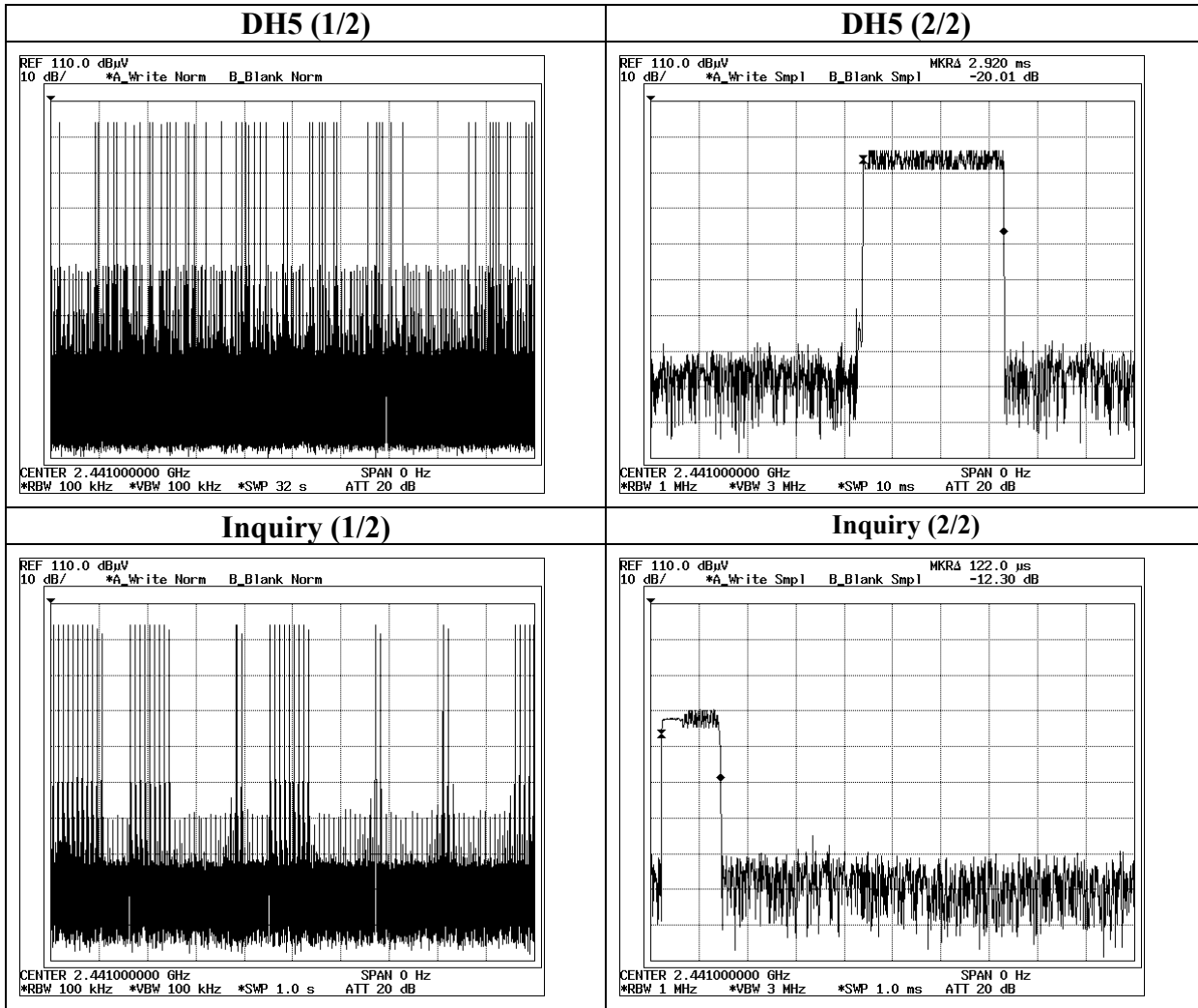
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Dwell time



Dwell time



Maximum Peak Output Power

UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Measurement Room

COMPANY : Fujitsu Ten Limited REGULATION : FCC Part15 Subpart C 15.247(b)(1)
EQUIPMENT : Display TEST DISTANCE : -
MODEL : 134000-290 DATE : 03/16/2004
S/N : 7 TEMPERATURE : 25deg.C
POWER : 12VDC HUMIDITY : 30%
MODE : Tx (Hopping off) /Inquiry ENGINEER : Hiroka Umeyama

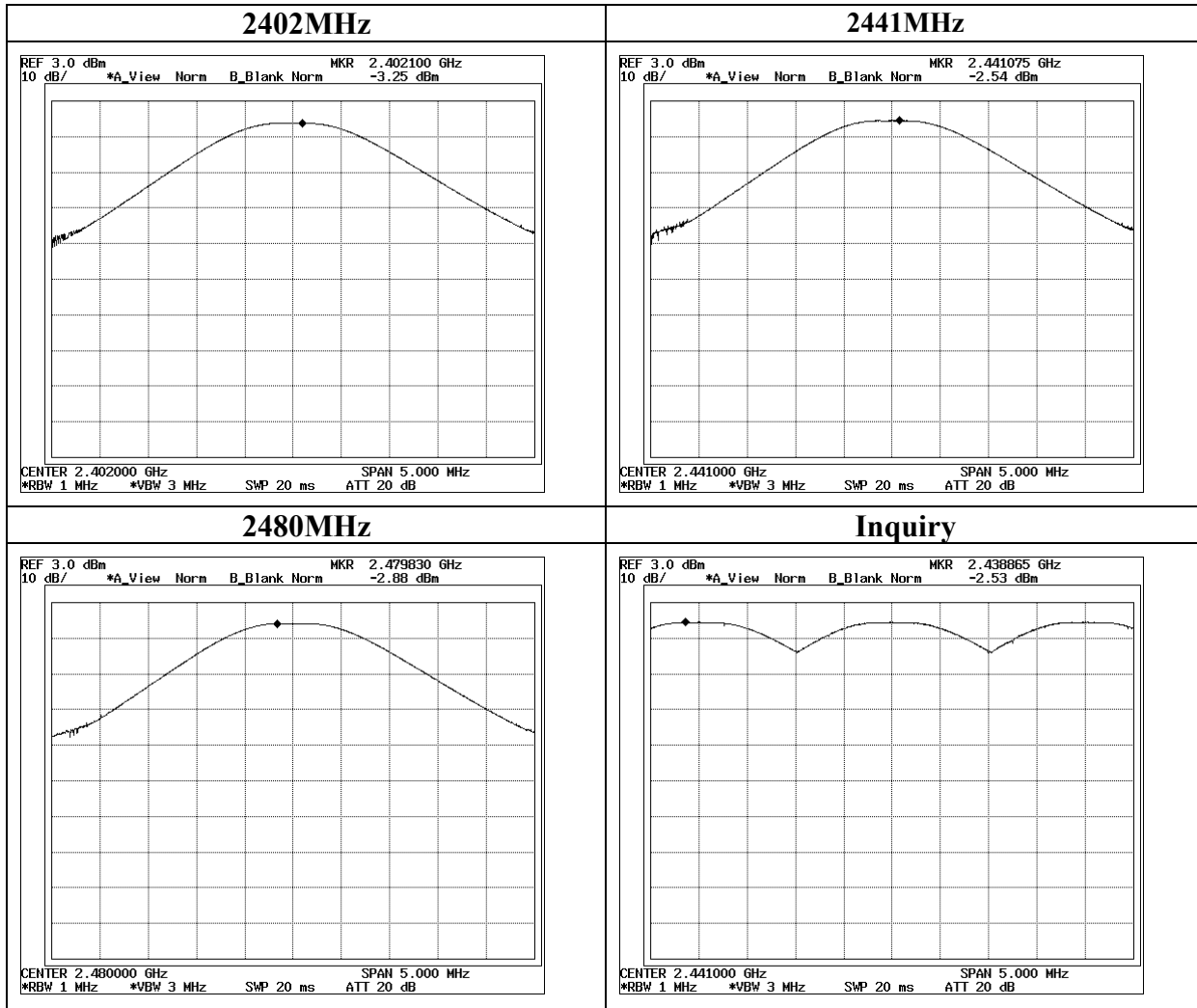
| CH | FREQ [MHz] | S/A Reading [dBm] | Cable Loss [dB] | Result [dBm] | Limit [dBm] |
|---------|---------------|----------------------|-----------------------|-----------------|----------------|
| Low | 2402.0 | -3.2 | 0.0 | -3.2 | 30.0 |
| Mid | 2441.0 | -2.5 | 0.0 | -2.5 | 30.0 |
| High | 2480.0 | -2.8 | 0.0 | -2.8 | 30.0 |
| Inquiry | 2441.0 | -2.5 | 0.0 | -2.5 | 21.0 |

Sample Calculation:

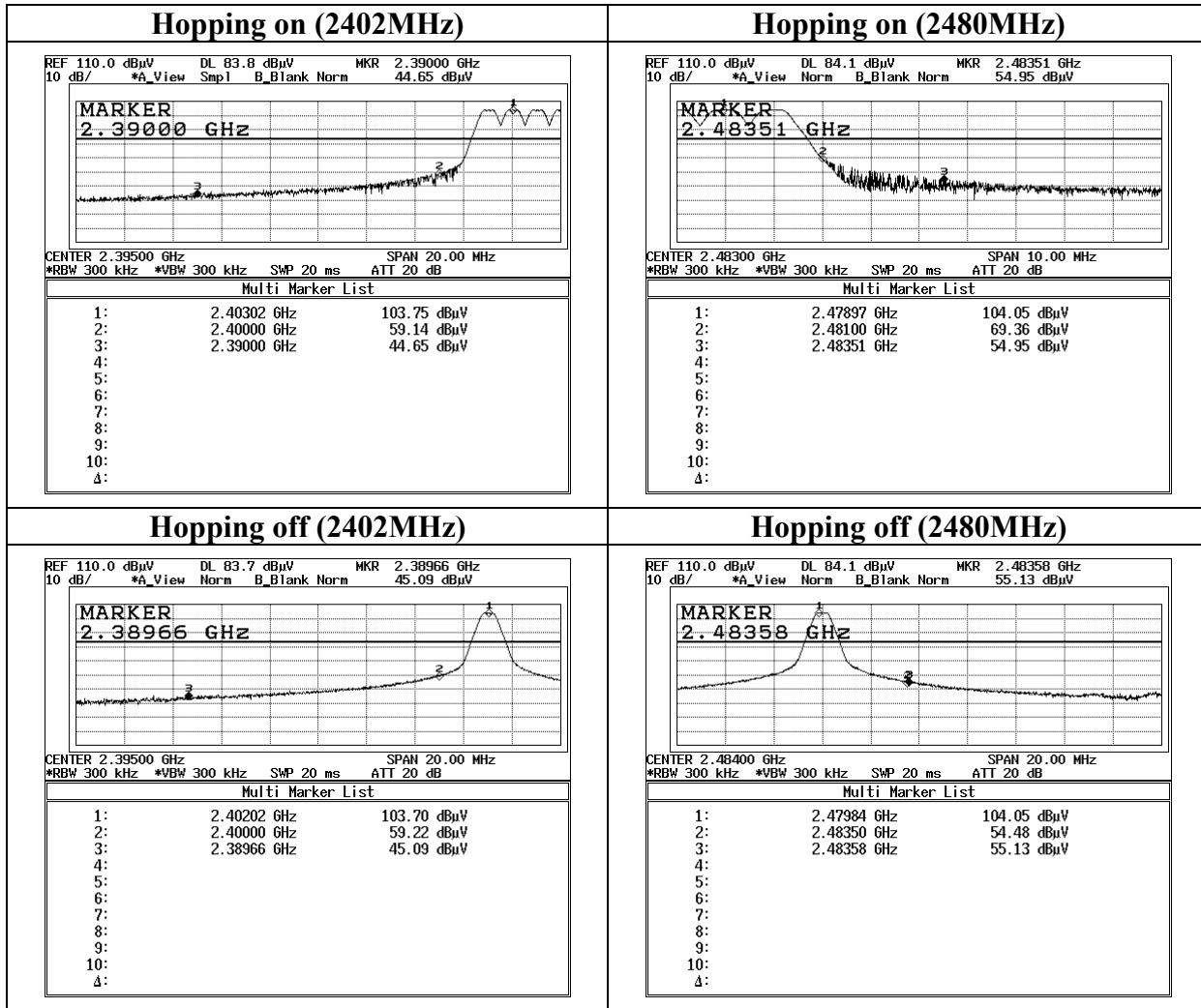
Result = S/A Reading + Cable Loss

*Cable attached to the circuit board was used.

Maximum Peak Output Power



Band Edge compliance



Spurious Emission(Radiated)
2402MHz

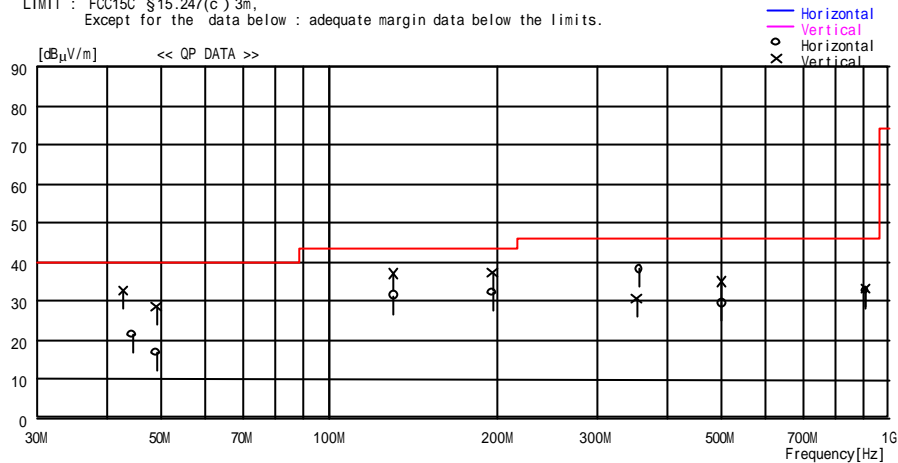
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/03/17 10:41:13

Applicant : Fujitsu Ten Limited
Kind of EUT : Display
Model No. : 134000-290
Serial No. : 4
Report No. : 24FE0196-HO
Power : DC 12V
Temp /Humi% : 22 / 49%
Operator : Kenichi Adachi

Mode / Remarks : Tx 2402MHz MAX-Angle

LIMIT : FCC15C §15.247(c) 3m,
Except for the data below : adequate margin data below the limits.



| No. | FREQ [MHz] | READING QP [dBµV] | ANT FACTOR [dB/m] | LOSS [dB] | GAIN [dB] | RESULT [dBµV/m] | LIMIT [dBµV/m] | MARGIN [dB] | ANTENNA [cm] | TABLE [DEG] |
|------------------------|---------------|-------------------------|-------------------------|--------------|--------------|--------------------|-------------------|----------------|-----------------|----------------|
| ----- Horizontal ----- | | | | | | | | | | |
| 1 | 44.598 | 25.7 | 13.0 | 6.6 | 23.7 | 21.6 | 40.0 | 18.4 | 260 | 252 |
| 2 | 49.168 | 22.7 | 11.3 | 6.7 | 23.7 | 17.0 | 40.0 | 23.0 | 250 | 136 |
| 3 | 130.302 | 33.6 | 13.7 | 7.4 | 23.3 | 31.4 | 43.5 | 12.1 | 179 | 261 |
| 4 | 195.453 | 31.6 | 16.2 | 7.8 | 23.3 | 32.3 | 43.5 | 11.2 | 229 | 128 |
| 5 | 356.705 | 36.6 | 16.0 | 8.6 | 23.1 | 38.1 | 46.0 | 7.9 | 100 | 148 |
| 6 | 502.321 | 24.9 | 18.2 | 9.3 | 23.0 | 29.4 | 46.0 | 16.6 | 100 | 311 |
| 7 | 904.458 | 23.7 | 21.3 | 10.9 | 23.0 | 32.9 | 46.0 | 13.1 | 100 | 291 |
| ----- Vertical ----- | | | | | | | | | | |
| 8 | 42.955 | 36.1 | 13.6 | 6.6 | 23.7 | 32.6 | 40.0 | 7.4 | 100 | 0 |
| 9 | 49.125 | 34.4 | 11.3 | 6.7 | 23.7 | 28.7 | 40.0 | 11.3 | 100 | -1 |
| 10 | 130.299 | 39.3 | 13.7 | 7.4 | 23.3 | 37.1 | 43.5 | 6.4 | 100 | 130 |
| 11 | 195.453 | 36.5 | 16.2 | 7.8 | 23.3 | 37.2 | 43.5 | 6.3 | 100 | -1 |
| 12 | 353.917 | 29.2 | 16.0 | 8.5 | 23.0 | 30.7 | 46.0 | 15.3 | 100 | 137 |
| 13 | 502.300 | 30.5 | 18.2 | 9.3 | 23.0 | 35.0 | 46.0 | 11.0 | 100 | 296 |
| 14 | 905.510 | 24.0 | 21.3 | 10.9 | 23.0 | 33.2 | 46.0 | 12.8 | 100 | 290 |

CHART:WITHOUT FACTOR ANT TYPE : -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

Spurious Emission(Radiated)
2441MHz

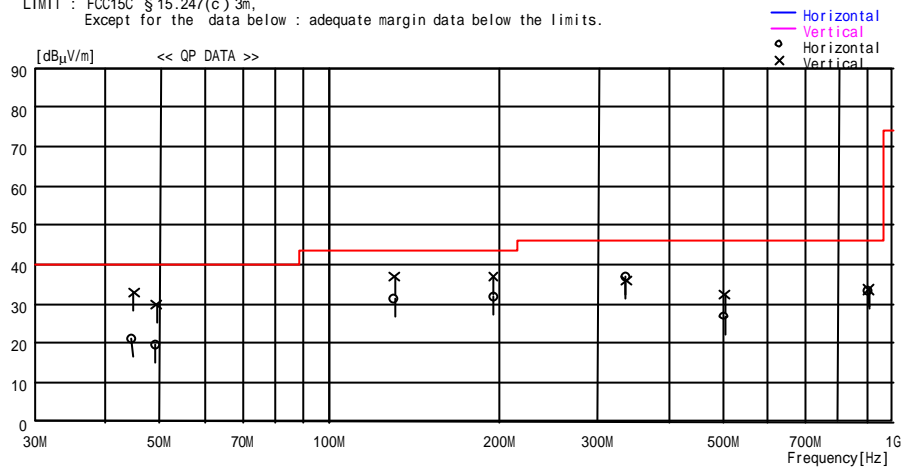
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/03/17 13:07:44

Applicant : Fujitsu Ten Limited
Kind of EUT : Display
Model No. : 134000-290
Serial No. : 4
Report No. : 24FE0196-HO
Power : DC 12V
Temp /Humi% : 22 / 49%
Operator : Kenichi Adachi

Mode / Remarks : Tx 2441MHz MAX-Angle

LIMIT : FCC15C §15.247(c) 3m,
Except for the data below : adequate margin data below the limits.



| No. | FREQ [MHz] | READING OP [dBµV] | ANT FACTOR [dB/m] | LOSS [dB] | GAIN [dB] | RESULT [dBµV/m] | LIMIT [dBµV/m] | MARGIN [dB] | ANTENNA [cm] | TABLE [DEG] |
|------------------------|------------|-------------------|-------------------|-----------|-----------|-----------------|----------------|-------------|--------------|-------------|
| ----- Horizontal ----- | | | | | | | | | | |
| 1 | 44.577 | 24.9 | 13.1 | 6.6 | 23.7 | 20.9 | 40.0 | 19.1 | 218 | 254 |
| 2 | 49.138 | 25.3 | 11.3 | 6.7 | 23.7 | 19.6 | 40.0 | 20.4 | 281 | 255 |
| 3 | 130.302 | 33.4 | 13.7 | 7.4 | 23.3 | 31.2 | 43.5 | 12.3 | 319 | 256 |
| 4 | 195.452 | 31.0 | 16.2 | 7.8 | 23.3 | 31.7 | 43.5 | 11.8 | 159 | 115 |
| 5 | 336.066 | 36.1 | 15.4 | 8.4 | 23.1 | 36.8 | 46.0 | 9.2 | 239 | 150 |
| 6 | 502.301 | 22.2 | 18.2 | 9.3 | 23.0 | 26.7 | 46.0 | 19.3 | 100 | 283 |
| 7 | 904.811 | 24.0 | 21.3 | 10.9 | 23.0 | 33.2 | 46.0 | 12.8 | 100 | 294 |
| ----- Vertical ----- | | | | | | | | | | |
| 8 | 44.877 | 37.1 | 12.9 | 6.6 | 23.7 | 32.9 | 40.0 | 7.1 | 100 | 360 |
| 9 | 49.180 | 35.4 | 11.3 | 6.7 | 23.7 | 29.7 | 40.0 | 10.3 | 100 | 360 |
| 10 | 130.301 | 39.1 | 13.7 | 7.4 | 23.3 | 36.9 | 43.5 | 6.6 | 100 | 133 |
| 11 | 195.452 | 36.2 | 16.2 | 7.8 | 23.3 | 36.9 | 43.5 | 6.6 | 100 | 360 |
| 12 | 336.070 | 35.3 | 15.4 | 8.4 | 23.1 | 36.0 | 46.0 | 10.0 | 100 | 325 |
| 13 | 502.300 | 27.9 | 18.2 | 9.3 | 23.0 | 32.4 | 46.0 | 13.6 | 100 | 292 |
| 14 | 905.503 | 24.5 | 21.3 | 10.9 | 23.0 | 33.7 | 46.0 | 12.3 | 100 | 292 |

CHART:WITHOUT FACTOR ANT TYPE: -30MHz LOOP,30-300MHz BICONICAL,300MHz-1000MHz LOGPERIODIC,1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

Spurious Emission(Radiated)
2480MHz

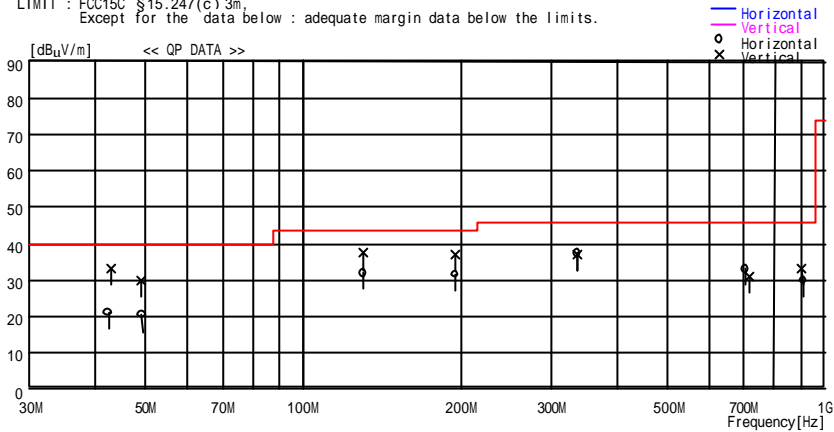
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2004/03/17 14:37:41

Applicant : Fujitsu Ten Limited
Kind of EUT : Display
Model No. : 134000-290
Serial No. : 4
Report No. : 24FE0196-HO
Power : DC 12V
Temp /Humi% : 22 / 49%
Operator : Kenichi Adachi

Mode / Remarks : Tx 2480MHz MAX-Angle

LIMIT : FCC15C §15.247(c) 3m
Except for the data below : adequate margin data below the limits.



| No. | FREQ [MHz] | READING QP [dBuV] | ANT FACTOR [dB/m] | LOSS [dB] | GAIN [dB] | RESULT [dBuV/m] | LIMIT [dBuV/m] | MARGIN [dB] | ANTENNA [cm] | TABLE [DEG] |
|------------------------|------------|-------------------|-------------------|-----------|-----------|-----------------|----------------|-------------|--------------|-------------|
| ----- Horizontal ----- | | | | | | | | | | |
| 1 | 42.368 | 24.4 | 13.8 | 6.6 | 23.7 | 21.1 | 40.0 | 18.9 | 307 | 248 |
| 2 | 49.146 | 26.1 | 11.3 | 6.7 | 23.7 | 20.4 | 40.0 | 19.6 | 386 | 265 |
| 3 | 130.301 | 34.1 | 13.7 | 7.4 | 23.3 | 31.9 | 43.5 | 11.6 | 156 | 260 |
| 4 | 195.453 | 31.0 | 16.2 | 7.8 | 23.3 | 31.7 | 43.5 | 11.8 | 166 | 116 |
| 5 | 336.067 | 36.5 | 15.4 | 8.4 | 23.1 | 37.2 | 46.0 | 8.8 | 100 | 157 |
| 6 | 703.905 | 25.4 | 20.7 | 10.2 | 23.3 | 33.0 | 46.0 | 13.0 | 100 | 153 |
| 7 | 904.910 | 20.8 | 21.3 | 10.9 | 23.0 | 30.0 | 46.0 | 16.0 | 100 | 306 |
| ----- Vertical ----- | | | | | | | | | | |
| 8 | 43.022 | 36.7 | 13.6 | 6.6 | 23.7 | 33.2 | 40.0 | 6.8 | 100 | -1 |
| 9 | 49.120 | 35.6 | 11.3 | 6.7 | 23.7 | 29.9 | 40.0 | 10.1 | 100 | 360 |
| 10 | 130.299 | 39.6 | 13.7 | 7.4 | 23.3 | 37.4 | 43.5 | 6.1 | 100 | 135 |
| 11 | 195.454 | 36.4 | 16.2 | 7.8 | 23.3 | 37.1 | 43.5 | 6.4 | 100 | 360 |
| 12 | 336.069 | 36.4 | 15.4 | 8.4 | 23.1 | 37.1 | 46.0 | 8.9 | 100 | 106 |
| 13 | 716.847 | 22.9 | 20.8 | 10.3 | 23.1 | 30.9 | 46.0 | 15.1 | 100 | -1 |
| 14 | 904.110 | 23.9 | 21.3 | 10.9 | 23.0 | 33.1 | 46.0 | 12.9 | 100 | 288 |

CHART:WITHOUT FACTOR ANT TYPE:-30MHz LOOP_30-300MHz BICONICAL_300MHz-1000MHz LOGPERIODIC_1000MHz- HORN
CALCULATION : READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - AMP.GAIN Page:

Spurious Emission (Radiated) 2402MHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY : Fujitsu Ten Limited
EQUIPMENT : Display
MODEL : 134000-290
S/ N : 4
POWER : 12VDC
MODE : Tx (2402MHz)
ANGLE : Hor: A(MAX) , Ver: A(MAX)

REGULATION : FCC Part 15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1m
DATE : 03/16/2004
TEMPERATURE : 22deg.C
HUMIDITY : 37%
ENGINEER : Kenichi Adachi

PK DETECT (RBW: 1MHz , VBW:1MHz)

| No. | FREQ [MHz] | S/A READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. OR FILTER [dB] | RESULT | | LIMIT PK [dBuV/m] | MARGIN | |
|--|---------------|-----------------|------|-------------------------|---------------------|-----------------------|-----------------------------|--------|------|-------------------------|--------|------|
| | | HOR [dBuV/m] | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=READING + ANT FACTOR -AMP GAIN + CABLE LOSS + ATTEN. OR FILTER | | | | | | | | | | | | |
| 1 | 1201.0 | 45.9 | 45.8 | 23.1 | 36.9 | 3.9 | 0.0 | 36.0 | 35.9 | 74.0 | 38.0 | 38.1 |
| 2 | 2385.5 | 44.6 | 44.8 | 30.7 | 36.3 | 5.6 | 0.0 | 44.6 | 44.8 | 74.0 | 29.4 | 29.2 |
| 3 | 4804.0 | 45.7 | 45.1 | 35.1 | 36.1 | 7.9 | 0.0 | 52.6 | 52.0 | 74.0 | 21.4 | 22.0 |
| 4 | 7206.0 | 43.8 | 43.8 | 37.6 | 35.6 | 9.9 | 0.0 | 55.7 | 55.7 | 74.0 | 18.3 | 18.3 |
| 5 | 9608.0 | 44.0 | 44.0 | 37.1 | 36.3 | 11.4 | 0.0 | 56.2 | 56.2 | 74.0 | 17.8 | 17.8 |
| Test distance 1meters RESULT=READING - AMP GAIN + CABLE LOSS + ATTEN OR FILTER - Dfac | | | | | | | | | | | | |
| 6 | 12010.0 | 43.6 | 43.7 | 40.5 | 35.7 | 13.1 | 0.0 | 52.0 | 52.1 | 74.0 | 22.0 | 21.9 |
| 7 | 14412.0 | 44.6 | 43.1 | 41.9 | 34.6 | 14.1 | 0.0 | 56.5 | 55.0 | 74.0 | 17.5 | 19.0 |
| 8 | 16814.0 | 42.7 | 42.7 | 46.1 | 35.6 | 15.9 | 0.0 | 59.6 | 59.6 | 74.0 | 14.4 | 14.4 |
| 9 | 19216.0 | 42.8 | 42.8 | 42.1 | 35.1 | 17.2 | 0.0 | 57.5 | 57.5 | 74.0 | 16.5 | 16.5 |
| 10 | 21618.0 | 43.6 | 43.8 | 40.8 | 35.4 | 18.8 | 0.0 | 58.3 | 58.5 | 74.0 | 15.7 | 15.5 |
| 11 | 24020.0 | 43.6 | 43.9 | 41.0 | 35.8 | 20.0 | 0.0 | 59.3 | 59.6 | 74.0 | 14.7 | 14.4 |

AV DETECT (RBW: 1MHz , VBW:10Hz)

| No. | FREQ [MHz] | S/A READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. OR FILTER [dB] | RESULT | | LIMIT AV [dBuV/m] | MARGIN | |
|--|---------------|-----------------|------|-------------------------|---------------------|-----------------------|-----------------------------|--------|------|-------------------------|--------|------|
| | | HOR [dBuV/m] | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=READING + ANT FACTOR -AMP GAIN + CABLE LOSS + ATTEN. OR FILTER | | | | | | | | | | | | |
| 1 | 1070.0 | 32.3 | 32.4 | 23.1 | 36.9 | 3.9 | 0.0 | 22.4 | 22.5 | 54.0 | 31.6 | 31.5 |
| 2 | 2385.5 | 31.3 | 31.4 | 30.7 | 36.3 | 5.6 | 0.0 | 31.3 | 31.4 | 54.0 | 22.7 | 22.6 |
| 3 | 4804.0 | 33.3 | 33.0 | 35.1 | 36.1 | 7.9 | 0.0 | 40.2 | 39.9 | 54.0 | 13.8 | 14.1 |
| 4 | 7206.0 | 30.6 | 30.3 | 37.6 | 35.6 | 9.9 | 0.0 | 42.5 | 42.2 | 54.0 | 11.5 | 11.8 |
| 5 | 9608.0 | 30.6 | 30.5 | 37.1 | 36.3 | 11.4 | 0.0 | 42.8 | 42.7 | 54.0 | 11.2 | 11.3 |
| Test distance 1meters RESULT=READING - AMP GAIN + CABLE LOSS + ATTEN OR FILTER - Dfac | | | | | | | | | | | | |
| 6 | 12010.0 | 30.7 | 30.9 | 40.5 | 35.7 | 13.1 | 0.0 | 39.1 | 39.3 | 54.0 | 14.9 | 14.7 |
| 7 | 14412.0 | 32.4 | 30.0 | 41.9 | 34.6 | 14.1 | 0.0 | 44.3 | 41.9 | 54.0 | 9.7 | 12.1 |
| 8 | 16814.0 | 29.7 | 29.8 | 46.1 | 35.6 | 15.9 | 0.0 | 46.6 | 46.7 | 54.0 | 7.4 | 7.3 |
| 9 | 19216.0 | 29.9 | 29.8 | 42.1 | 35.1 | 17.2 | 0.0 | 44.6 | 44.5 | 54.0 | 9.4 | 9.5 |
| 10 | 21618.0 | 30.8 | 30.9 | 40.8 | 35.4 | 18.8 | 0.0 | 45.5 | 45.6 | 54.0 | 8.5 | 8.4 |
| 11 | 24020.0 | 30.8 | 30.7 | 41.0 | 35.8 | 20.0 | 0.0 | 46.5 | 46.4 | 54.0 | 7.5 | 7.6 |

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5 dB

*1: Except for the above table : All other spurious emissions were less than 20dB for the limit.

*2: ATTEN : 1 to 3.5GHz, FILTER : 3.5 to 26GHz

ATTEN. or FILTER was not used for factor 0.0dB of the above table.

*3: Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

Spurious Emission (Radiated)2441MHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY : Fujitsu Ten Limited
EQUIPMENT : Display
MODEL : 134000-290
S/ N : 4
POWER : 12VDC
MODE : Tx (2441MHz)
ANGLE : Hor: A(MAX) , Ver: A(MAX)

REGULATION : FCC Part 15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1m
DATE : 03/16/2004
TEMPERATURE : 22deg.C
HUMIDITY : 37%
ENGINEER : Kenichi Adachi

PK DETECT (RBW: 1MHz , VBW:1MHz)

| No. | FREQ [MHz] | S/A READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. OR FILTER [dB] | RESULT | | LIMIT PK [dBuV/m] | MARGIN | |
|---|---------------|-------------|------|-------------------------|---------------------|-----------------------|-----------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=READING + ANT FACTOR -AMP GAIN + CABLE LOSS + ATTEN. OR FILTER. | | | | | | | | | | | | |
| 1 | 1220.7 | 45.2 | 44.8 | 23.1 | 36.9 | 3.9 | 0.0 | 35.3 | 34.9 | 74.0 | 38.7 | 39.1 |
| 2 | 4882.0 | 44.9 | 45.5 | 35.5 | 36.1 | 8.0 | 0.0 | 52.3 | 52.9 | 74.0 | 21.7 | 21.1 |
| 3 | 7323.0 | 45.2 | 44.9 | 37.9 | 35.7 | 10.1 | 0.0 | 57.5 | 57.2 | 74.0 | 16.5 | 16.8 |
| 4 | 9764.0 | 44.6 | 44.7 | 37.0 | 36.3 | 11.5 | 0.0 | 56.8 | 56.9 | 74.0 | 17.2 | 17.1 |
| Test distance 1meters RESULT=READING - AMP GAIN + CABLE LOSS + ATTEN OR FILTER - Dfac | | | | | | | | | | | | |
| 5 | 12205.0 | 43.6 | 43.9 | 41.4 | 35.6 | 13.2 | 0.0 | 53.1 | 53.4 | 74.0 | 20.9 | 20.6 |
| 6 | 14646.0 | 43.9 | 43.8 | 42.6 | 34.8 | 14.0 | 0.0 | 56.2 | 56.1 | 74.0 | 17.8 | 17.9 |
| 7 | 17087.0 | 42.9 | 42.8 | 46.5 | 35.4 | 16.0 | 0.0 | 60.5 | 60.4 | 74.0 | 13.5 | 13.6 |
| 8 | 19528.0 | 43.2 | 43.1 | 41.2 | 35.0 | 17.5 | 0.0 | 57.4 | 57.3 | 74.0 | 16.6 | 16.7 |
| 9 | 21969.0 | 45.2 | 45.2 | 41.1 | 35.0 | 19.0 | 0.0 | 60.8 | 60.8 | 74.0 | 13.2 | 13.2 |
| 10 | 24410.0 | 43.3 | 43.6 | 41.2 | 36.6 | 20.2 | 0.0 | 58.6 | 58.9 | 74.0 | 15.4 | 15.1 |

AV DETECT (RBW: 1MHz , VBW:10Hz)

| No. | FREQ [MHz] | S/A READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. OR FILTER [dB] | RESULT | | LIMIT A V [dBuV/m] | MARGIN | |
|---|---------------|-------------|------|-------------------------|---------------------|-----------------------|-----------------------------|--------|------|--------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=READING + ANT FACTOR -AMP GAIN + CABLE LOSS + ATTEN. OR FILTER. | | | | | | | | | | | | |
| 1 | 1220.7 | 31.6 | 31.6 | 23.1 | 36.9 | 3.9 | 0.0 | 21.7 | 21.7 | 54.0 | 32.3 | 32.3 |
| 2 | 4882.0 | 33.9 | 33.4 | 35.5 | 36.1 | 8.0 | 0.0 | 41.3 | 40.8 | 54.0 | 12.7 | 13.2 |
| 3 | 7323.0 | 31.7 | 31.6 | 37.9 | 35.7 | 10.1 | 0.0 | 44.0 | 43.9 | 54.0 | 10.0 | 10.1 |
| 4 | 9764.0 | 30.5 | 30.5 | 37.0 | 36.3 | 11.5 | 0.0 | 42.7 | 42.7 | 54.0 | 11.3 | 11.3 |
| Test distance 1meters RESULT=READING - AMP GAIN + CABLE LOSS + ATTEN OR FILTER - Dfac | | | | | | | | | | | | |
| 5 | 12205.0 | 30.7 | 30.8 | 41.4 | 35.6 | 13.2 | 0.0 | 40.2 | 40.3 | 54.0 | 13.8 | 13.7 |
| 6 | 14646.0 | 30.5 | 30.4 | 42.6 | 34.8 | 14.0 | 0.0 | 42.8 | 42.7 | 54.0 | 11.2 | 11.3 |
| 7 | 17087.0 | 29.4 | 29.3 | 46.5 | 35.4 | 16.0 | 0.0 | 47.0 | 46.9 | 54.0 | 7.0 | 7.1 |
| 8 | 19528.0 | 29.7 | 29.8 | 41.2 | 35.0 | 17.5 | 0.0 | 43.9 | 44.0 | 54.0 | 10.1 | 10.0 |
| 9 | 21969.0 | 32.2 | 32.2 | 41.1 | 35.0 | 19.0 | 0.0 | 47.8 | 47.8 | 54.0 | 6.2 | 6.2 |
| 10 | 24410.0 | 30.6 | 30.6 | 41.2 | 36.6 | 20.2 | 0.0 | 45.9 | 45.9 | 54.0 | 8.1 | 8.1 |

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5 dB
*1: Except for the above table : All other spurious emissions were less than 20dB for the limit.
*2: ATTEN : 1 to 3.5GHz, FILTER : 3.5 to 26GHz
ATTEN. or FILTER was not used for factor 0.0dB of the above table.
*3: Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

Spurious Emission (Radiated) 2480MHz

UL Apex Co., Ltd.
Head Office EMC Lab. No.1 Semi Anechoic Chamber

COMPANY : Fujitsu Ten Limited
EQUIPMENT : Display
MODEL : 134000-290
S/ N : 4
POWER : 12VDC
MODE : Tx (2480MHz)
ANGLE : Hor: A(MAX) , Ver: A(MAX)

REGULATION : FCC Part 15 Subpart C 15.247(c)
TEST DISTANCE : 3 and 1m
DATE : 03/16/2004
TEMPERATURE : 22deg.C
HUMIDITY : 37%
ENGINEER : Kenichi Adachi

PK DETECT (RBW: 1MHz , VBW:1MHz)

| No. | FREQ [MHz] | S/A READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. OR FILTER [dB] | RESULT | | LIMIT PK [dBuV/m] | MARGIN | |
|--|---------------|-------------|------|-------------------------|---------------------|-----------------------|-----------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=READING + ANT FACTOR -AMP GAIN + CABLE LOSS + ATTEN. OR FILTER | | | | | | | | | | | | |
| 1 | 1240.0 | 45.4 | 45.5 | 23.2 | 36.9 | 3.9 | 0.0 | 35.6 | 35.7 | 74.0 | 38.4 | 38.3 |
| 2 | 2483.5 | 53.9 | 58.6 | 30.8 | 36.2 | 5.7 | 0.0 | 54.2 | 58.9 | 74.0 | 19.8 | 15.1 |
| 3 | 4960.0 | 45.7 | 43.9 | 35.8 | 36.1 | 8.1 | 0.0 | 53.5 | 51.7 | 74.0 | 20.5 | 22.3 |
| 4 | 7440.0 | 43.9 | 43.7 | 38.2 | 35.7 | 10.2 | 0.0 | 56.6 | 56.4 | 74.0 | 17.4 | 17.6 |
| 5 | 9920.0 | 43.8 | 43.6 | 37.0 | 36.3 | 11.5 | 0.0 | 56.0 | 55.8 | 74.0 | 18.0 | 18.2 |
| Test distance 1meters RESULT=READING - AMP GAIN + CABLE LOSS + ATTEN OR FILTER - Dfac | | | | | | | | | | | | |
| 6 | 12400.0 | 43.6 | 43.6 | 42.3 | 35.5 | 13.2 | 0.0 | 54.1 | 54.1 | 74.0 | 19.9 | 19.9 |
| 7 | 14880.0 | 43.2 | 43.4 | 43.0 | 35.0 | 14.5 | 0.0 | 56.2 | 56.4 | 74.0 | 17.8 | 17.6 |
| 8 | 17360.0 | 42.9 | 43.0 | 45.4 | 35.2 | 16.2 | 0.0 | 59.8 | 59.9 | 74.0 | 14.2 | 14.1 |
| 9 | 19840.0 | 42.9 | 42.8 | 41.2 | 35.7 | 17.7 | 0.0 | 56.6 | 56.5 | 74.0 | 17.4 | 17.5 |
| 10 | 22320.0 | 45.3 | 45.2 | 41.4 | 35.1 | 19.2 | 0.0 | 61.3 | 61.2 | 74.0 | 12.7 | 12.8 |
| 11 | 24800.0 | 44.6 | 44.5 | 41.2 | 36.7 | 20.5 | 0.0 | 60.1 | 60.0 | 74.0 | 13.9 | 14.0 |

AV DETECT (RBW: 1MHz , VBW:10Hz)

| No. | FREQ [MHz] | S/A READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. OR FILTER [dB] | RESULT | | LIMIT AV [dBuV/m] | MARGIN | |
|--|---------------|-------------|------|-------------------------|---------------------|-----------------------|-----------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=READING + ANT FACTOR -AMP GAIN + CABLE LOSS + ATTEN. OR FILTER | | | | | | | | | | | | |
| 1 | 1368.7 | 32.4 | 32.3 | 23.2 | 36.9 | 3.9 | 0.0 | 22.6 | 22.5 | 54.0 | 31.4 | 31.5 |
| 2 | 2483.5 | 31.8 | 33.0 | 30.8 | 36.2 | 5.7 | 0.0 | 32.1 | 33.3 | 54.0 | 21.9 | 20.7 |
| 3 | 4960.0 | 35.0 | 30.6 | 35.8 | 36.1 | 8.1 | 0.0 | 42.8 | 38.4 | 54.0 | 11.2 | 15.6 |
| 4 | 7440.0 | 30.8 | 30.8 | 38.2 | 35.7 | 10.2 | 0.0 | 43.5 | 43.5 | 54.0 | 10.5 | 10.5 |
| 5 | 9920.0 | 30.7 | 30.7 | 37.0 | 36.3 | 11.5 | 0.0 | 42.9 | 42.9 | 54.0 | 11.1 | 11.1 |
| Test distance 1meters RESULT=READING - AMP GAIN + CABLE LOSS + ATTEN OR FILTER - Dfac | | | | | | | | | | | | |
| 6 | 12400.0 | 30.9 | 31.0 | 42.3 | 35.5 | 13.2 | 0.0 | 41.4 | 41.5 | 54.0 | 12.6 | 12.5 |
| 7 | 14880.0 | 30.4 | 30.4 | 43.0 | 35.0 | 14.5 | 0.0 | 43.4 | 43.4 | 54.0 | 10.6 | 10.6 |
| 8 | 17360.0 | 29.7 | 29.7 | 45.4 | 35.2 | 16.2 | 0.0 | 46.6 | 46.6 | 54.0 | 7.4 | 7.4 |
| 9 | 19840.0 | 29.6 | 29.5 | 41.2 | 35.7 | 17.7 | 0.0 | 43.3 | 43.2 | 54.0 | 10.7 | 10.8 |
| 10 | 22320.0 | 32.3 | 32.2 | 41.4 | 35.1 | 19.2 | 0.0 | 48.3 | 48.2 | 54.0 | 5.7 | 5.8 |
| 11 | 24800.0 | 31.4 | 31.5 | 41.2 | 36.7 | 20.5 | 0.0 | 46.9 | 47.0 | 54.0 | 7.1 | 7.0 |

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5 dB

*1: Except for the above table : All other spurious emissions were less than 20dB for the limit.

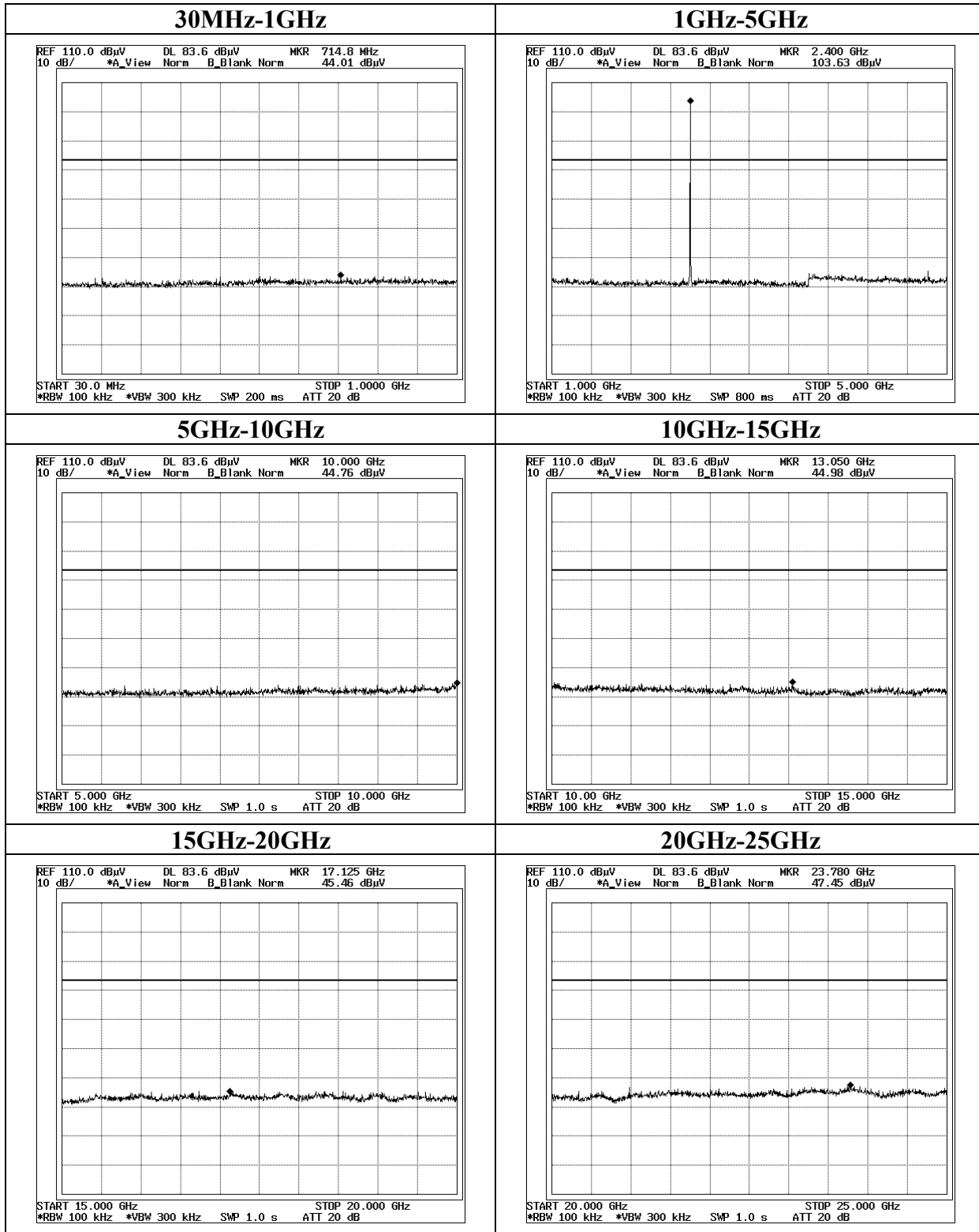
*2: ATTEN : 1 to 3.5GHz, FILTER : 3.5 to 26GHz

ATTEN. or FILTER was not used for factor 0.0dB of the above table.

*3: Result is calculated to two places of decimals. Therefore, there may be 0.1 difference for the result.

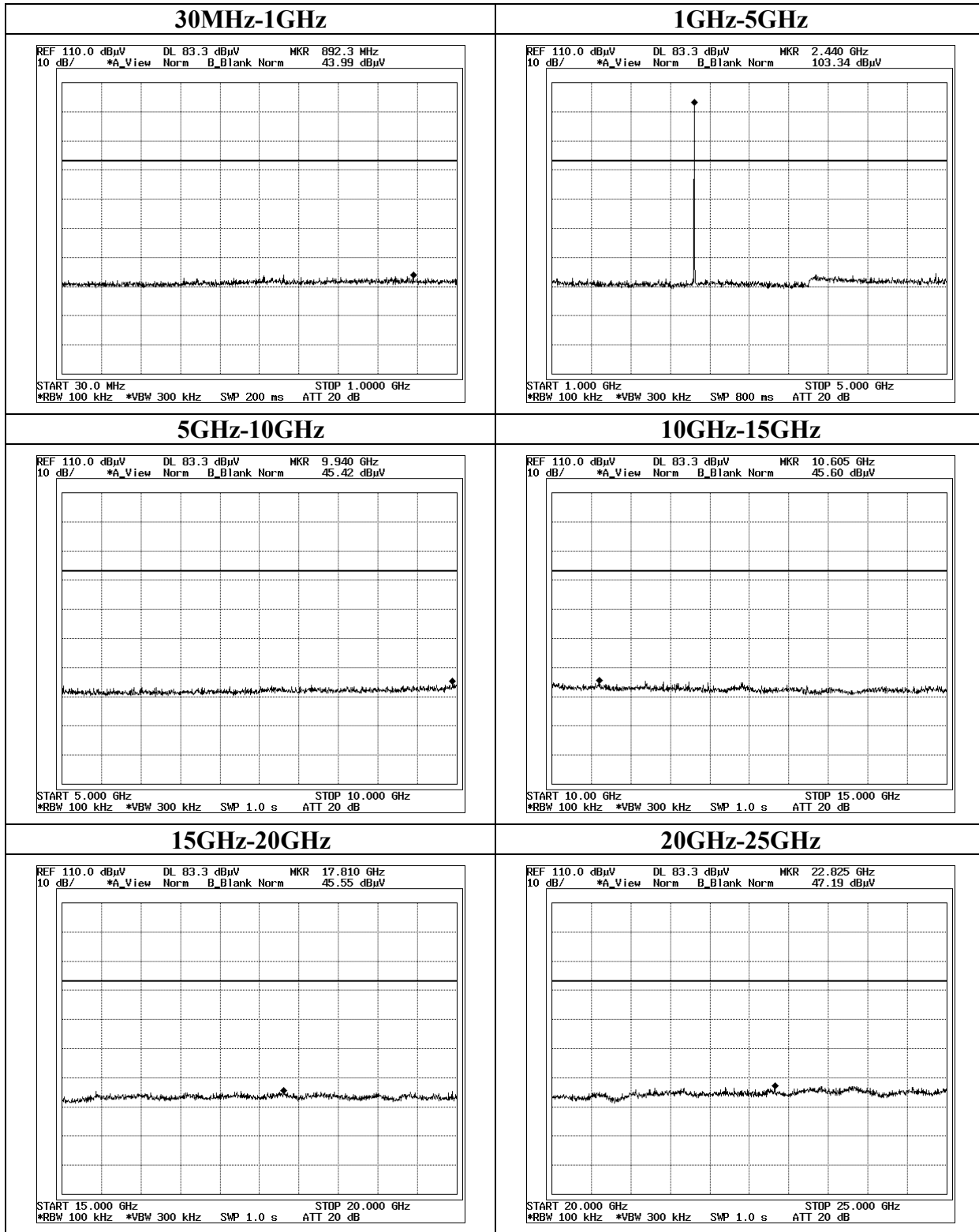
Spurious Emission (Conducted)

2402MHz



Spurious Emission (Conducted)

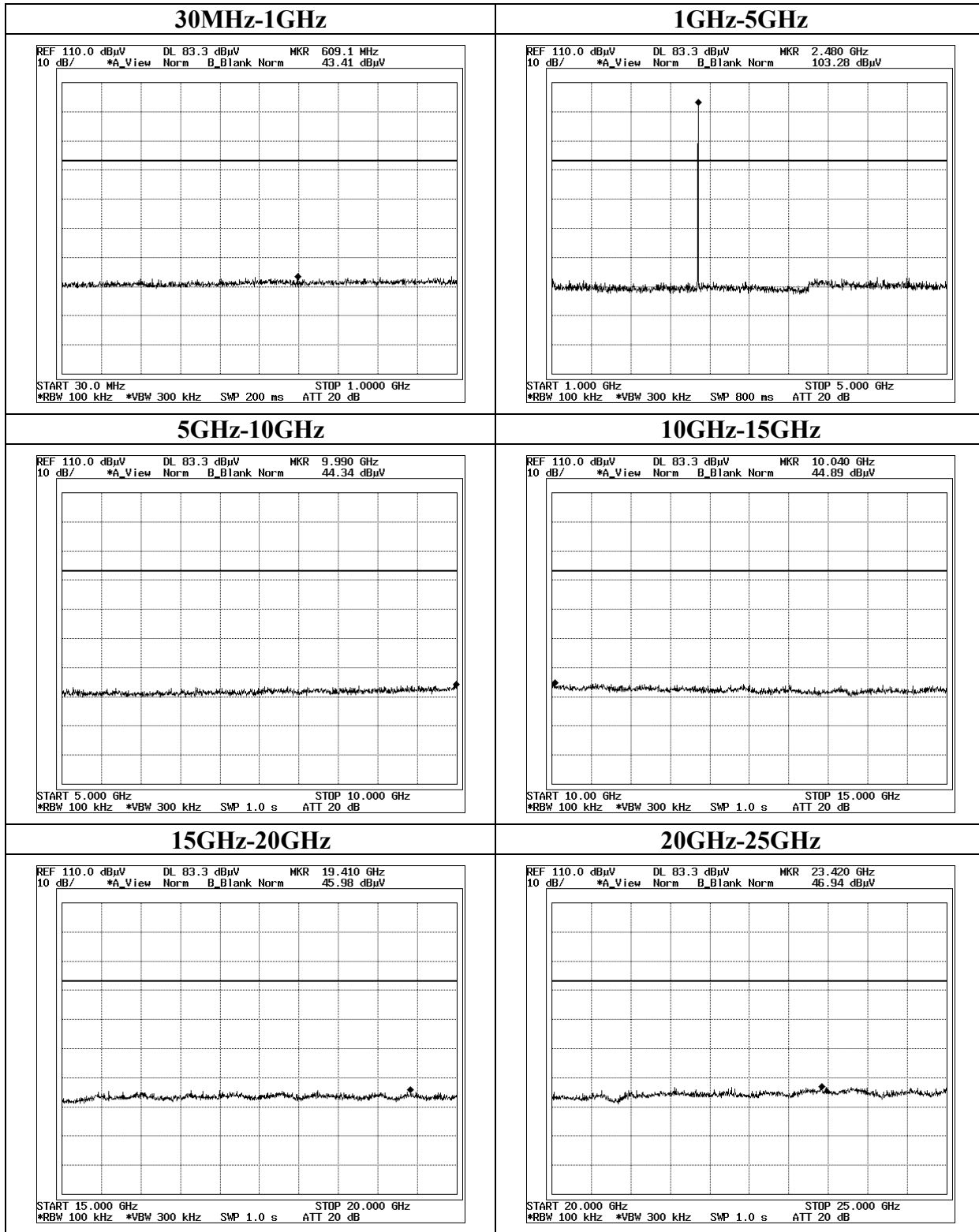
2441MHz



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Spurious Emission (Conducted)

2480MHz



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99% Occupied Bandwidth

