



EMI TEST REPORT

Test Report No. : 25LE0267-HO-1a

Applicant : FUJITSU TEN Limited
Type of Equipment : DISPLAY
Model No. : BT003A
FCC ID : BABBT003A
Test standard : FCC Part 15 Subpart C
Section 15.207, Section 15.247: 2005
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 the 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.

Date of test:

August 24 to 26, 2005

Tested by:

Hiroka Umeyama
EMC Services

Mitsuru Fujimura
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Norihisa Hashimoto
EMC Services

Approved by :

Naoki Sakamoto
Group Leader of
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MF060b(01.06.05)

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SECTION 1: Client information

Company Name : FUJITSU TEN Limited
Brand Name : FUJITSU TEN
Address : 2-28 Goshō-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. : BT003A
Serial No. : 2G000001
Country of Manufacture : Japan
Condition of EUT : Production prototype
(Not for Sale: This sample is equivalent to mass-produced items.)
Rating : DC13.2V
Receipt Date of Sample : August 24, 2005

2.2 Product Description

Model No: BT003A (referred to as the EUT in this report) is the DISPLAY with built-in Bluetooth. It is installed in vehicle, and displays the information on navigation, audio & visual, and others on a screen. It has the interface which can be operated by touching a screen top. Moreover, Bluetooth is used and the service linked to a cellular phone is offered.

Clock frequency(ies) in the system	:	12.55MHz,5MHz,4MHz for Microprocessor, 12.079MHz,14.549MHz(CPU), 16.616MHz,33.231MHz,27MHz,32.768KHz(Drawing dot clock)
Equipment Type	:	Transceiver
Frequency of Operation	:	2402-2480MHz
Bandwidth & Channel spacing	:	79MHz & 1MHz
Modulation	:	FHSS
Mode of Operation	:	Duplex
ITU code	:	F1D
Power Supply	:	DC13.2V (EUT) DC3.3V (RF Module part)
Antenna Type	:	LDA923G5020D-215 Chip Antenna
Antenna Connector Type	:	U.FL (SMT Type)
Antenna Gain	:	-3.5dBi

FCC 15.31 (e)

The stable voltage (DC3.3V) is constantly supplied to RF Module by DC-DC converter. 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 : 2005

Title : FCC 47CFR Part15 Radio Frequency Device Subpart C Intentional Radiators
Section 15.207 Conducted limits: 2005
Section 15.247 Operation within the bands 902-928MHz,
2400-2483.5MHz, and 5725-5850MHz: 2005

3.2 Procedures and results

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst Margin*0)	Results	
1	Conducted emission	ANSI C63.4:2003 7. AC powerline conducted emission measurements	FCC: Section 15.207 IC: RSS-210 6.6	-	N/A	N/A	N/A*1)	
2	Carrier Frequency Separation	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(a)(1) IC: RSS-210 6.2.2 (o)(a)(a1)	Conducted	N/A	See data.	Complied	
3	20dB Bandwidth	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(a)(1) IC: RSS-210 6.2.2 (o)(a)(a1)	Conducted	N/A		Complied	
4	Number of Hopping Frequency	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(a)(1)(iii) IC: RSS-210 6.2.2 (o)(ii)	Conducted	N/A		Complied	
5	Dwell time	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(a)(1)(iii) IC: RSS-210 6.2.2 (o)(ii)	Conducted	N/A		Complied	
6	Maximum Peak Output Power	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(b)(1) IC: RSS-210 6.2.2(o)(iv)	Conducted	N/A		Complied	
7	Band Edge Compliance	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(d) IC: RSS-210 6.2.2(o)(e)(e1) and 6.3	Conducted	N/A		Complied	
8	Spurious Emission	ANSI C63.4:2003 13. Measurement of intentional radiators	FCC: Section 15.247(d) IC: RSS-210 6.2.2(o)(e)(e1) and 6.3	Conducted/ Radiated	N/A		0.7dB (869.667MHz, Hor., QP)	Complied

Note: UL Apex's EMI Work Procedures No. QPM05 and QPM15.

*0) The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

*1) This test is not applicable, because the EUT does not have AC mains and is installed into vehicle.

Uncertainty:

Spurious Emission (Radiated)

The measurement uncertainty (with a 95% confidence level) for this test using Biconical antenna is $\pm 4.5\text{dB}(3\text{m})/\pm 4.7\text{dB}(10\text{m})$.

The measurement uncertainty (with a 95% confidence level) for this test using Logperiodic antenna is $\pm 5.2\text{dB}(3\text{m})/\pm 3.8\text{dB}(10\text{m})$.

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, more than the site margin.

*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.

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3.3 Addition to standards

No.	Item	Test Procedure	Specification	Remarks	Deviation	Worst margin	Results
1	99% Occupied Band Width	IC: RSS-210(issue 5): 2001 + Amendment:2002 + Amendment2:2003 + Amendment3:2004 + Amendment4: 2004	IC: RSS-210(issue 5): 2001 + Amendment:2002 + Amendment2:2003 + Amendment3:2004 + Amendment4: 2004	Conducted	N/A	N/A	N/A

3.4 Test Location

UL Apex Co., Ltd. Head Office EMC Lab. *NVLAP Lab. code: 200572-0
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	FCC Registration Number	IC Registration Number	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms
No.1 semi-anechoic chamber	313583	IC4247A	19.2 x 11.2 x 7.7m	7.0 x 6.0m	Preparation room
No.2 semi-anechoic chamber	846015	IC4247A-2	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 measurement room	-	-	3.1 x 5.0 x 2.7m	N/A	-

* Size of vertical conducting plane (for Conducted Emission test) : 2.0 x 2.0m for No.1 and No.2 semi-anechoic and No.3 shielded room.

3.5 Test set up, Test instruments and Data of EMI

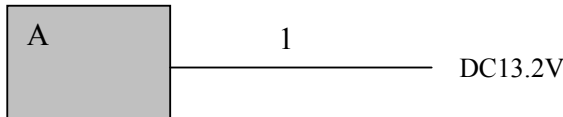
Refer to APPENDIX 1 to 3.

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

4.1 Operating Modes

The mode is used : Transmitting mode(Packet size DH5)
Low Channel :2402MHz
Mid Channel :2441MHz
High channel :2480MHz
Inquiry

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
A	DISPLAY (EUT)	BT003A	2G000001	FUJITSU TEN	BABBT003A

List of cables used

No.	Name	Length (m)	Shield	Backshell Material
1	DC Cable	1.0	N	Polyvinyl chloride

SECTION 5: Spurious Emission

[Conducted]

Test Procedure

The Out of Band Emission 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, 0.5m by 1.0m, raised 80cm above the conducting ground plane.

The Radiated Electric Field Strength intensity has been measured in a Semi Anechoic Chamber with a ground plane and at a distance of 3m(Below 10GHz) and 1m(Upper 10GHz).

The height of the measuring varied between 1 and 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 (in linear mode).

The test was made with the detector (RBW/VBW) in the following table.

When using Spectrum analyzer, the test was made with adjusting span to zero by using peak hold.

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator confirmed 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on a radiated measurement.

20dBc was applied to the frequency over the limit of FCC 15.209 and outside the restricted band of 15.205.

Frequency	Below 1GHz	Above 1GHz
Instrument used	Test Receiver / Spectrum Analyzer	Spectrum Analyzer
Detector	QP: BW 120kHz(T/R)	PK: RBW:1MHz/VBW: 1MHz
IF Bandwidth	20dBc : RBW: 100kHz VBW: 300kHz (S/A)	AV: RBW:1MHz/VBW:10Hz 20dBc : RBW:100kHz/VBW:300kHz

*-The carrier level and noise levels were confirmed with EUT at three angels, 1, 2, and 3, to see the position of maximum noise, and the test was made at the position that has the maximum noise.

Test data : APPENDIX 3

Test result : Pass

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SECTION 6: Bandwidth

Test Procedure

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

Test data : APPENDIX 3
Test result : Pass

SECTION 7: Maximum Peak Output Power

Test Procedure

The test was made with the spectrum analyzer that has a function of channel-power measurements.
The Maximum Peak Output Power was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 3
Test result : Pass

SECTION 8: Carrier Frequency Separation

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 9: Number of Hopping Frequency

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 10: Dwell time

Test Procedure

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

Test data : APPENDIX 3
Test result : Pass

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APPENDIX 1: Photographs of test setup

Spurious Emission (Radiated)

Front

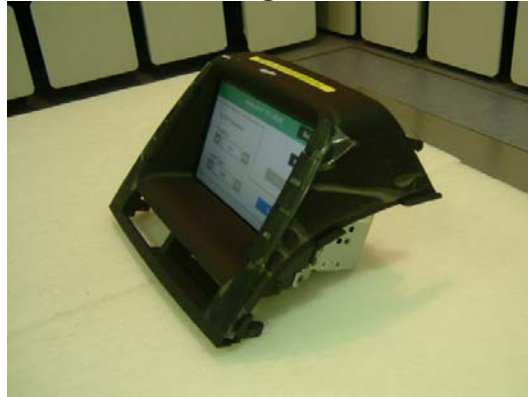


Rear



Worst Case Position : below 1GHz(Angle 2)

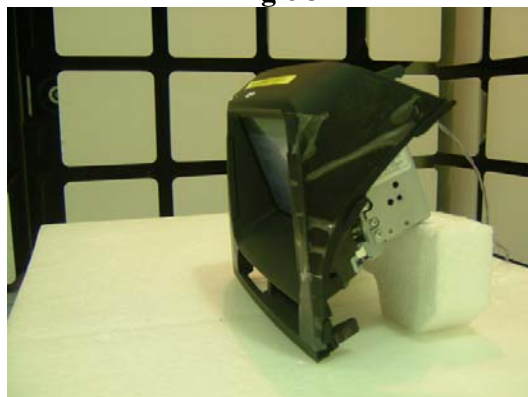
Angle 1



Angle 2



Angle 3



APPENDIX 2:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval (month)
MAEC-01	Anechoic Chamber	TDK	Semi Anechoic Chamber 10m	RE	2004/11/13 * 12
MTR-01	Test Receiver	Rohde & Schwarz	ESI40	RE	2004/11/12 * 12
MBA-01	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/10/14 * 12
MLA-01	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2004/10/14 * 12
MAT-06	Attenuator(6dB)	Weinschel Corp	2	RE	2004/12/16 * 12
MCC-01	Coaxial Cable 0.1-3000MHz	Suhner/storm/Agilent/TSJ	-	RE	2004/12/19 * 12
MPA-04	Pre Amplifier	Agilent	8447D	RE	2005/05/24 * 12
MCC-05	Microwave Cable 1G-50GHz	Storm	421-011 (90-1394-079)	RE	2005/01/05 * 12
MCC-18	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2005/02/03 * 12
MHA-05	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2005/01/10 * 12
MPA-05	Pre Amplifier	TSJ	TSJ 1-26.5GHz PreAmp	RE	2005/07/08 * 12
MHF-02	High Pass Filter	Tokimec	TF323DCA	RE	2004/09/18 * 12
MHA-01	Horn Antenna	EMCO	3160-09	RE	2005/01/10 * 12
MRENT-21	Spectrum Analyzer	Advantest	R3273	AT	2005/08/19 * 12
MRENT-20	Spectrum Analyzer	Advantest	R3273	AT	2005/08/19 * 12
MCC-16	Microwave Cable	Suhner	SUCOFLEX 104	AT	2005/02/03 * 12

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

Test Item:

RE: Radiated emission,

AT: Antenna terminal disturbance voltage

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APPENDIX 3: Data of EMI test

Carrier Frequency Separation

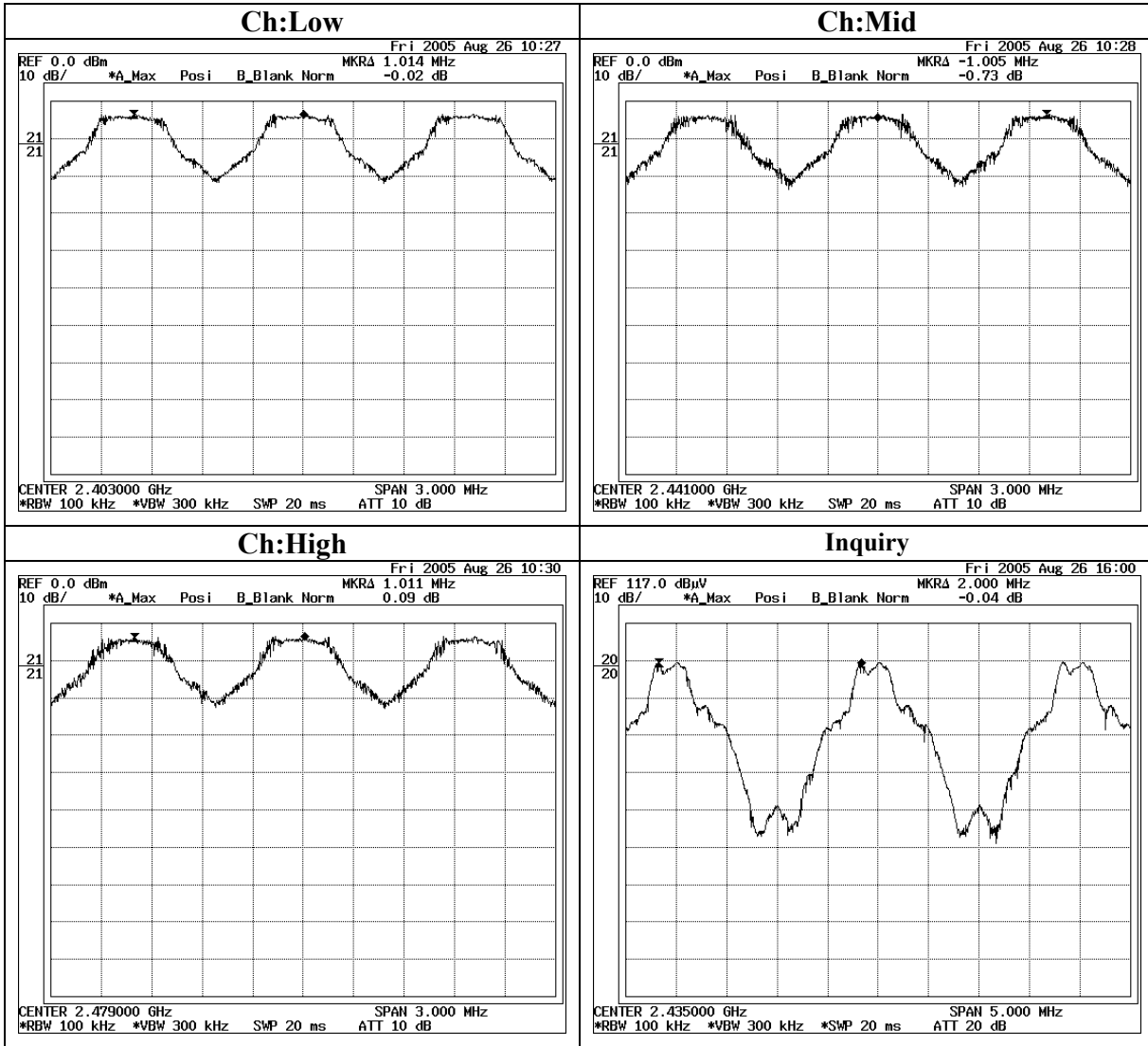
DATA OF CARRIER FREQUENCY SEPARATION

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

COMPANY : FUJITSU TEN LIMITED REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
EQUIPMENT : DISPLAY TEST DISTANCE : -
MODEL : BT003A DATE : 08/26/2005
S/N : 2G000001 TEMPERATURE : 24deg.C
POWER : DC13.2V HUMIDITY : 51%
MODE : Tx(Hopping on)/Inquiry ENGINEER : Mitsuru Fujimura

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.014	>20dB Bandwidth and 25[kHz]
Mid	2441.0	1.005	>20dB Bandwidth and 25[kHz]
High	2480.0	1.011	>20dB Bandwidth and 25[kHz]
Inquiry	2441.0	2.000	>20dB Bandwidth and 25[kHz]

Carrier Frequency Separation



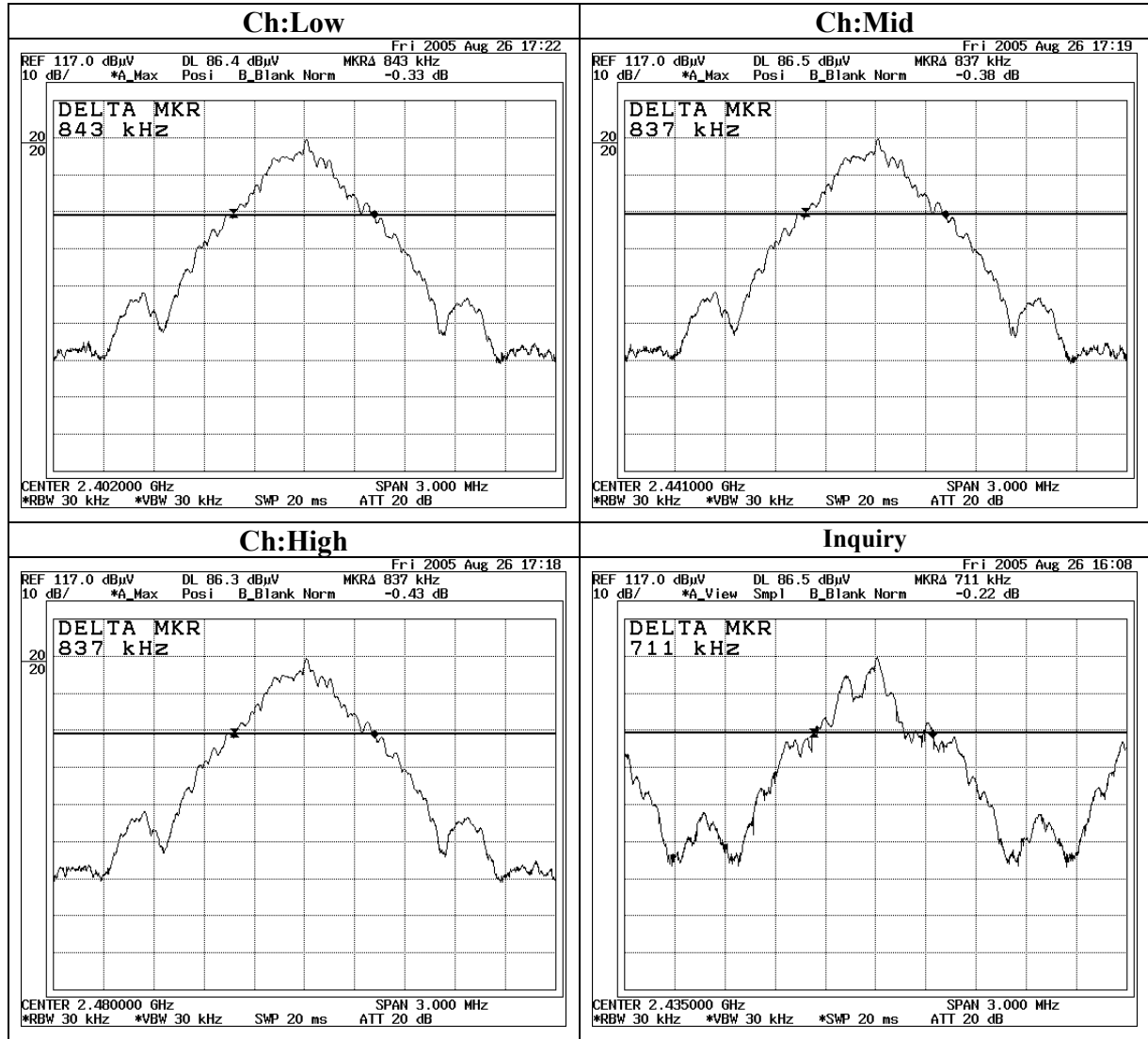
20dB Bandwidth

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

COMPANY : FUJITSU TEN LIMITED REGULATION : Fcc Part15 Subpart C 15.247(a)(1)
EQUIPMENT : DISPLAY TEST DISTANCE : -
MODEL : BT003A DATE : 08/26/2005
S/ N : 2G000001 TEMPERATURE : 24deg.C
POWER : DC13.2V HUMIDITY : 51%
MODE : Tx(Hopping off)/Inquiry ENGINEER : Mitsuru Fujimura

Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	0.843	-
Mid	2441.0	0.837	-
High	2480.0	0.837	-
Inquiry	2441.0	0.711	-

20dB Bandwidth



Number of Hopping Frequency

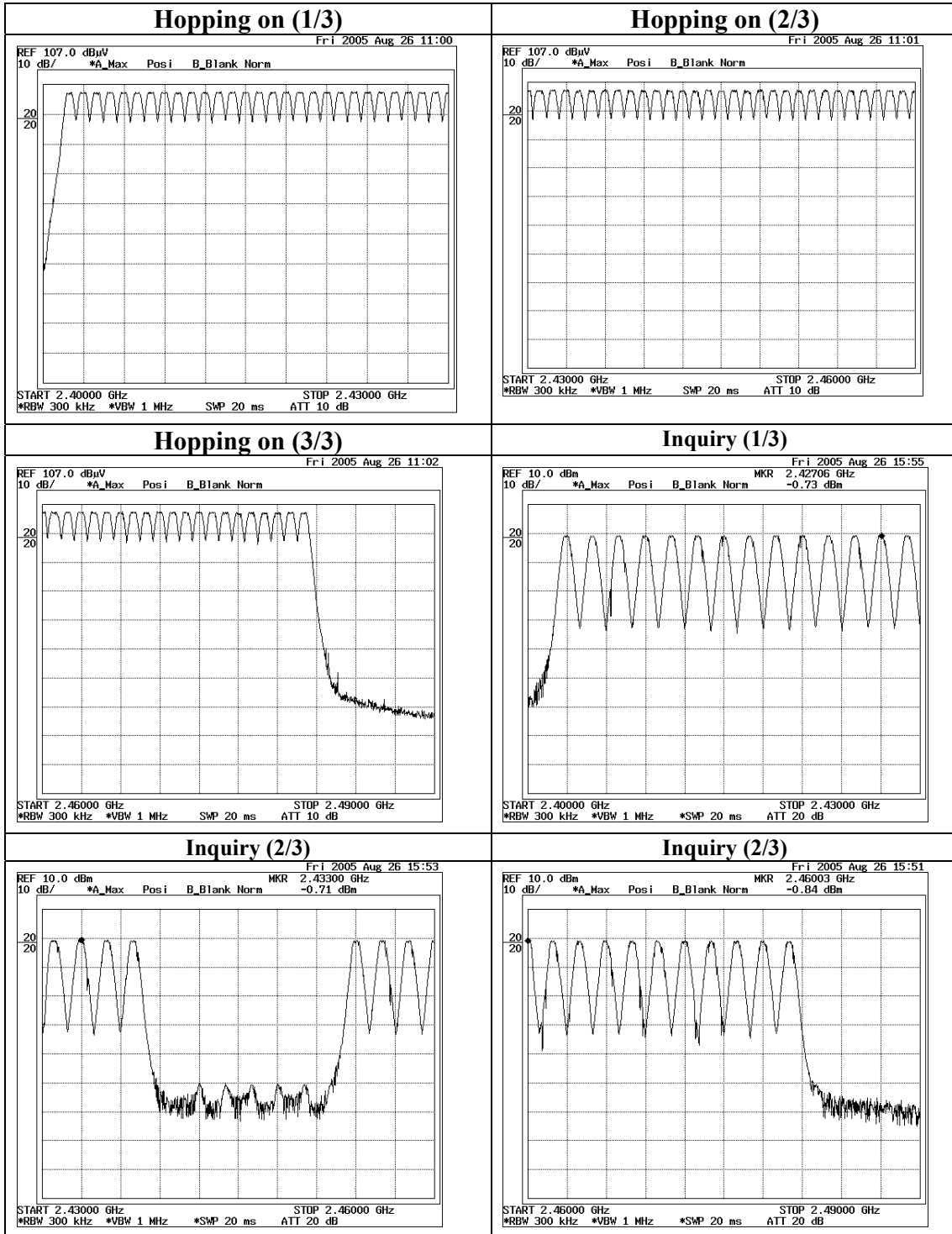
UL Apex Co., Ltd.
Head Office EMC Lab. No.3 Shielded Room

COMPANY : FUJITSU TEN LIMITED REGULATION : Fcc Part15 Subpart C 15.247(a)(1)(iii)
EQUIPMENT : DISPLAY TEST DISTANCE : -
MODEL : BT003A DATE : 08/26/2005
S/N : 2G000001 TEMPERATURE : 24deg.C
POWER : DC13.2V HUMIDITY : 51%
MODE : Tx(Hopping on)/Inquiry ENGINEER : Mitsuru Fujimura

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



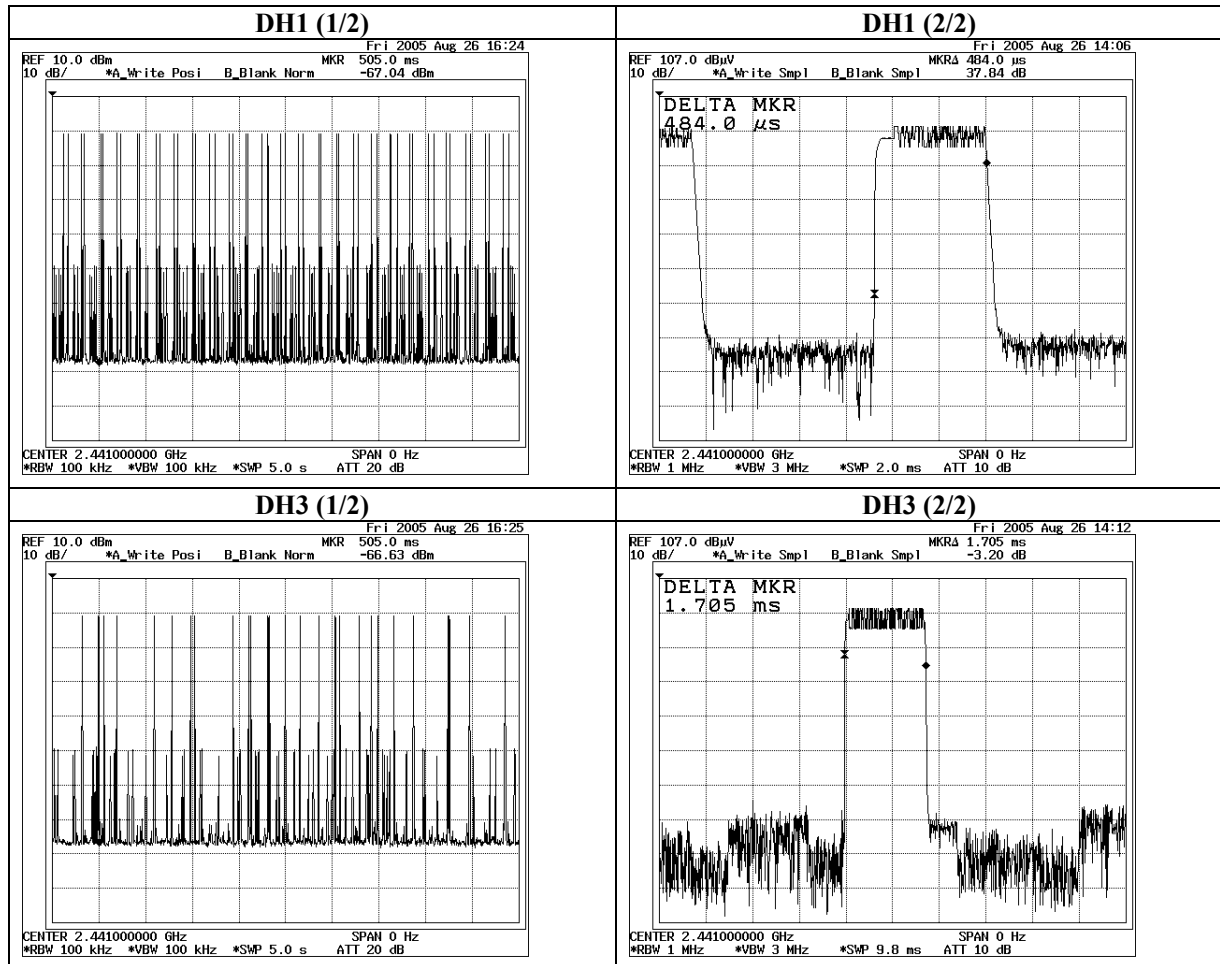
Dwell time

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

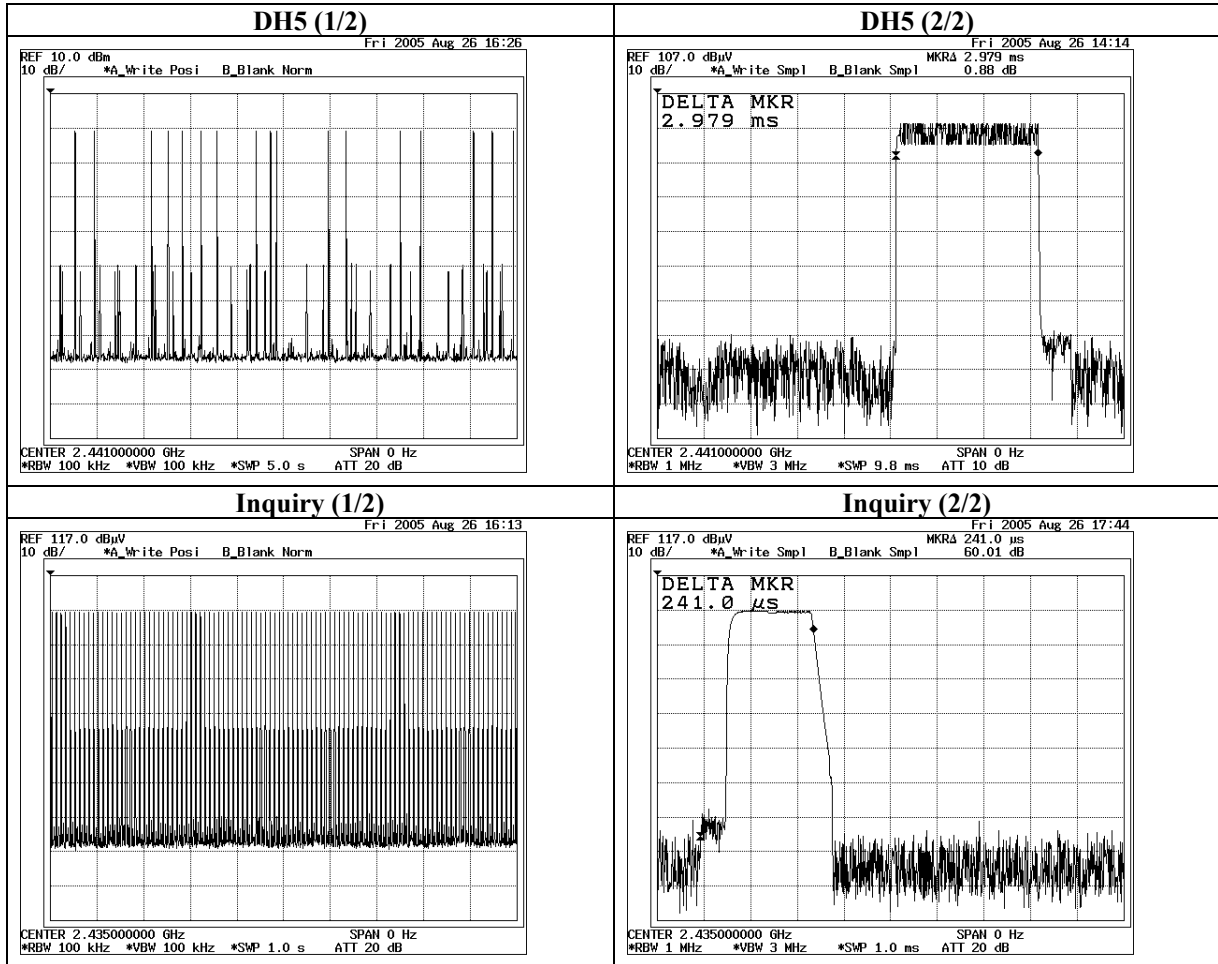
COMPANY : FUJITSU TEN LIMITED REGULATION : Fcc Part15 Subpart C 15.247(a)(1)(iii)
EQUIPMENT : DISPLAY TEST DISTANCE : -
MODEL : BT003A DATE : 08/26/2005
S/N : 2G000001 TEMPERATURE : 24deg.C
POWER : DC13.2V HUMIDITY : 51%
MODE : Tx (Hopping on) /Inquiry ENGINEER : Mitsuru Fujimura

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	52 times /5sec. x 31.6 = 328 times	0.484	159	400
DH3	26 times / 5sec. x 31.6 = 164 times	1.705	280	400
DH5	17 times / 5 sec. x 31.6 = 107 times	2.979	319	400
Inquiry	100 times / 1sec. x 12.8 = 1280 times	0.241	308	400

Dwell time



Dwell time



Maximum Peak Output Power

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

COMPANY	: FUJITSU TEN LIMITED	REGULATION	: Fcc Part15 Subpart C 15.247(b)(1)
EQUIPMENT	: DISPLAY	TEST DISTANCE	: -
MODEL	: BT003A	DATE	: 08/26/2005
S/N	: 2G000001	TEMPERATURE	: 24deg.C
POWER	: DC13.2V	HUMIDITY	: 51%
MODE	: Tx (Hopping off) /Inquiry	ENGINEER	: Mitsuru Fujimura

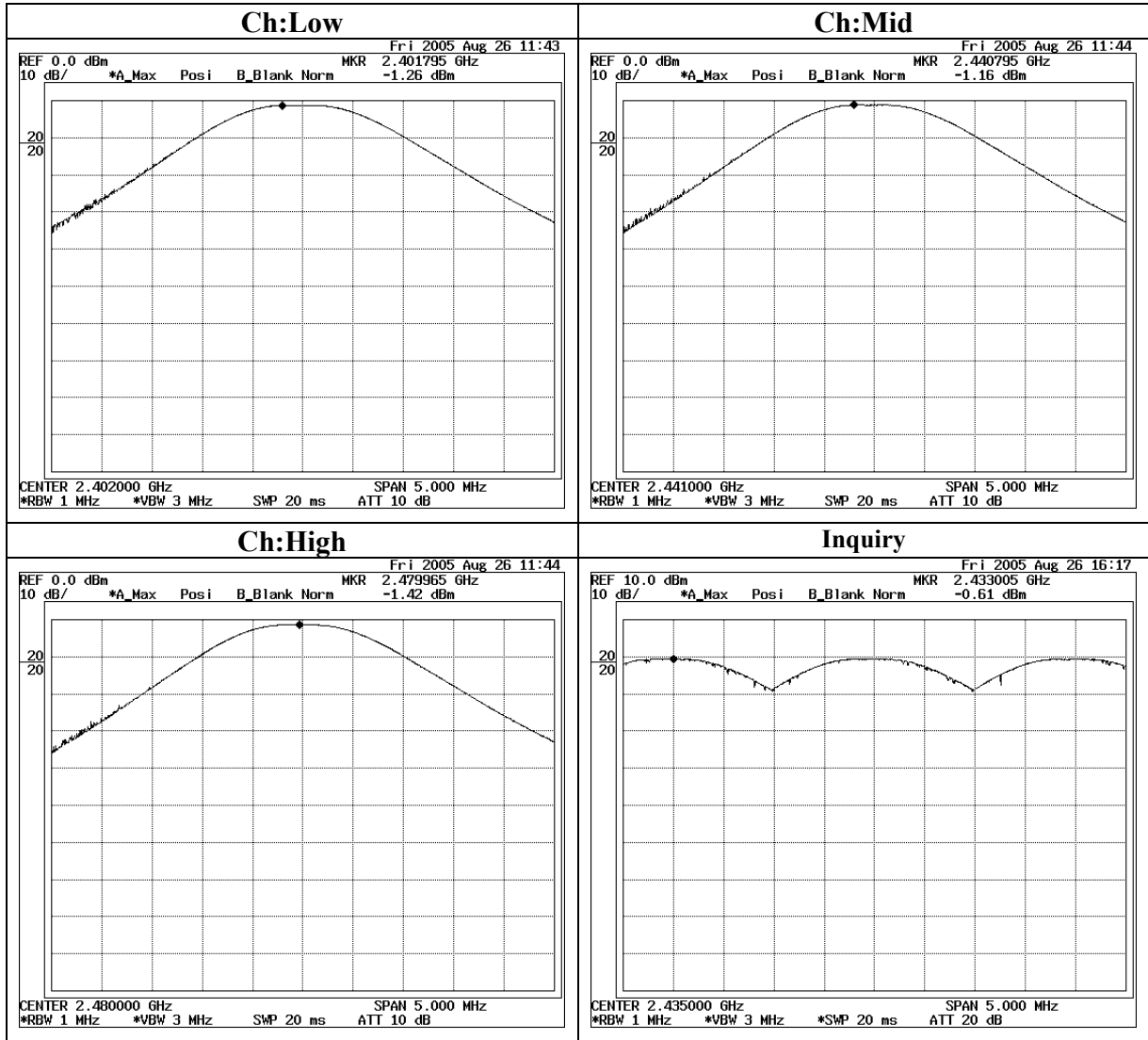
Ch	Freq. [MHz]	S/A Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
Low	2402.0	-1.26	0.46	0.00	-0.80	20.96	21.76
Mid	2441.0	-1.16	0.42	0.00	-0.74	20.96	21.70
High	2480.0	-1.42	0.39	0.00	-1.03	20.96	21.99
Inquiry	2441.0	-0.61	0.42	0.00	-0.19	20.96	21.15

Sample Calculation:

Result = Reading + Cable Loss (supplied by customer)+ Attenuator

* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Maximum Peak Output Power



Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

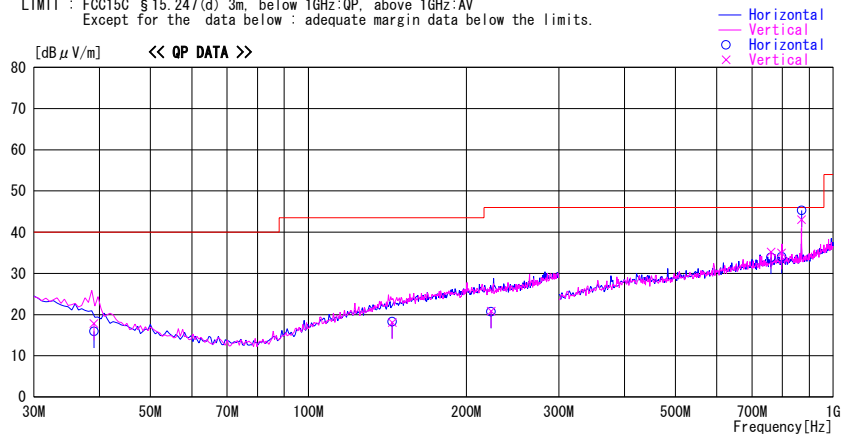
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/24 12:35:48

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2402MHz Angle2

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBμV]	DET	Antenna	Loss&	Level [dBμV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBμV/m]	Margin [dB]
			Factor	Gain						
39.050	22.2	QP	14.4	-20.7	15.9	359	300	Hori.	40.0	24.1
39.050	24.1	QP	14.4	-20.7	17.8	0	100	Vert.	40.0	22.2
144.390	22.6	QP	14.7	-19.0	18.3	359	300	Hori.	43.5	25.2
144.390	22.4	QP	14.7	-19.0	18.1	0	100	Vert.	43.5	25.4
222.846	21.2	QP	17.2	-17.7	20.7	0	300	Hori.	46.0	25.3
222.846	21.3	QP	17.2	-17.7	20.8	356	100	Vert.	46.0	25.2
760.950	28.9	QP	21.1	-16.1	33.9	90	315	Hori.	46.0	12.1
760.950	30.2	QP	21.1	-16.1	35.2	8	165	Vert.	46.0	10.8
797.190	29.5	QP	21.2	-15.7	35.0	6	150	Vert.	46.0	11.0
797.190	28.5	QP	21.2	-15.7	34.0	102	281	Hori.	46.0	12.0
869.667	39.4	QP	21.3	-15.4	45.3	166	159	Hori.	46.0	0.7
869.667	37.1	QP	21.3	-15.4	43.0	353	169	Vert.	46.0	3.0

CHART: WITH FACTOR ANT TYPE: -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

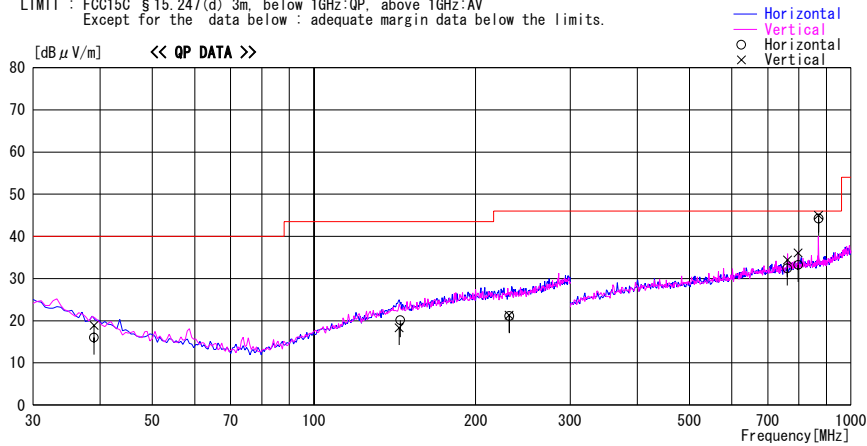
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 02:53:14

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting Bluetooth 2441MHz Angle2

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit		Margin	
			Factor	Gain					[dBuV/m]	[dB]	[dBuV/m]	[dB]
38.981	22.3	QP	14.4	-20.7	18.0	308	305	Hori.	40.0	40.0	24.0	24.0
38.981	25.2	QP	14.4	-20.7	18.9	22	100	Vert.	40.0	40.0	21.1	21.1
144.819	24.4	QP	14.7	-19.0	20.1	308	361	Hori.	43.5	43.5	23.4	23.4
144.168	22.6	QP	14.7	-19.0	18.3	0	100	Vert.	43.5	43.5	25.2	25.2
230.916	21.5	QP	17.3	-17.7	21.1	364	361	Hori.	46.0	46.0	24.9	24.9
230.916	21.7	QP	17.3	-17.7	21.3	0	100	Vert.	46.0	46.0	24.7	24.7
760.976	27.4	QP	21.1	-16.1	32.4	81	315	Hori.	46.0	46.0	13.6	13.6
760.976	29.4	QP	21.1	-16.1	34.4	11	160	Vert.	46.0	46.0	11.6	11.6
797.212	30.6	QP	21.2	-15.7	36.1	4	146	Vert.	46.0	46.0	9.9	9.9
797.212	27.7	QP	21.2	-15.7	33.2	90	297	Hori.	46.0	46.0	12.8	12.8
869.679	38.3	QP	21.3	-15.4	44.2	163	158	Hori.	46.0	46.0	1.8	1.8
869.679	39.1	QP	21.3	-15.4	45.0	188	100	Vert.	46.0	46.0	1.0	1.0

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

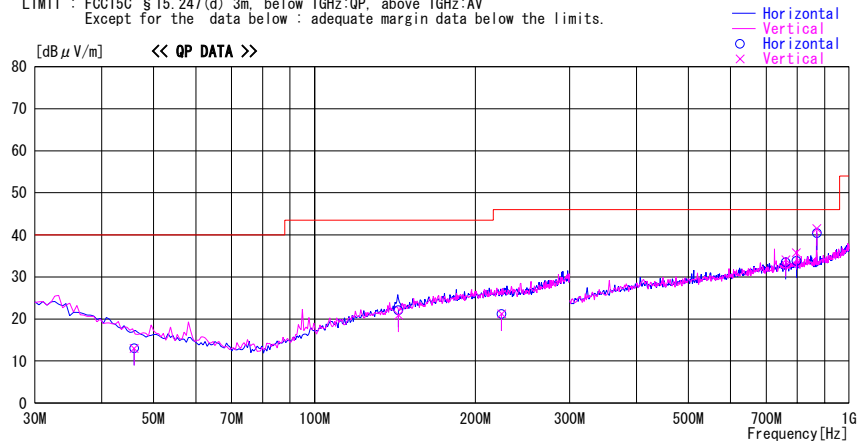
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 03:48:52

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg. C / 60%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting Bluetooth 2480MHz Angle2

LIMIT : FCC15C §15.247(d) 3m. below 1GHz:QP, above 1GHz:AV
Except for the data below : adequate margin data below the limits.



Frequency [MHz]	Reading [dBμV]	DET	Antenna		Level [dBμV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBμV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
45.989	22.3	QP	11.4	-20.7	13.0	6	100	Vert.	40.0	27.0
45.989	22.3	QP	11.4	-20.7	13.0	209	187	Hori.	40.0	27.0
143.551	25.3	QP	14.6	-19.0	20.9	66	100	Vert.	43.5	22.6
143.551	26.5	QP	14.6	-19.0	22.1	93	100	Hori.	43.5	21.4
223.925	21.6	QP	17.3	-17.7	21.2	304	112	Hori.	46.0	24.8
223.925	21.6	QP	17.3	-17.7	21.2	35	100	Vert.	46.0	24.8
760.963	28.5	QP	21.1	-16.1	33.5	85	100	Hori.	46.0	12.5
760.963	29.1	QP	21.1	-16.1	34.1	359	168	Vert.	46.0	11.9
797.215	30.3	QP	21.2	-15.7	35.8	0	144	Vert.	46.0	10.2
797.215	28.3	QP	21.2	-15.7	33.8	104	100	Hori.	46.0	12.2
869.676	34.5	QP	21.3	-15.4	40.4	296	135	Hori.	46.0	5.6
869.676	35.6	QP	21.3	-15.4	41.5	353	263	Vert.	46.0	4.5

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

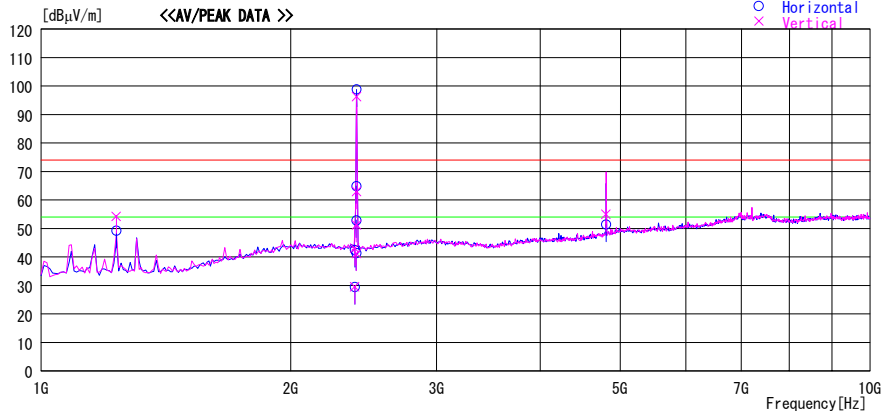
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/24 14:35:58

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 2G000001
Report No. : 25LE0267-H0
Power : DC13.2V
Temp./Humi. : 25deg. C / 60%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2402MHz Angle 2 (Max Axis)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency	Reading	DET	Antenna		Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor	Loss&Gain							
[MHz]	[dBuV]		[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]	
1232.040	64.7	PK	23.1	-38.6	49.2	0	100	Hori.	74.0	24.8	
1232.040	69.8	PK	23.1	-38.6	54.3	0	100	Vert.	74.0	19.7	
2390.000	49.8	PK	30.9	-37.6	43.1	0	100	Vert.	74.0	30.9	
2390.000	49.1	PK	30.9	-37.6	42.4	195	100	Hori.	74.0	31.6	
2390.000	36.2	AV	30.9	-37.6	29.5	195	100	Hori.	54.0	24.5	
2390.000	36.3	AV	30.9	-37.6	29.6	0	100	Vert.	54.0	24.5	
2400.000	59.6	AV	30.9	-37.6	52.9	195	100	Hori.	54.0	1.1	
2400.000	57.9	AV	30.9	-37.6	51.2	0	140	Vert.	54.0	2.8	
2400.000	69.7	PK	30.9	-37.6	63.0	0	140	Vert.	74.0	11.0	
2400.000	71.5	PK	30.9	-37.6	64.8	195	100	Hori.	74.0	9.2	
2400.000	48.1	PK	30.9	-37.6	41.4	120	100	Hori.			100k/300k *
2400.000	47.9	PK	30.9	-37.6	41.2	0	140	Vert.			100k/300k *
2402.000	105.4	PK	30.9	-37.5	98.8	0	100	Hori.			100k/300k *
2402.000	102.9	PK	30.9	-37.5	96.3	0	100	Vert.			100k/300k *
4804.000	52.6	PK	34.9	-36.1	51.4	195	100	Hori.	74.0	22.6	
4804.000	56.2	PK	34.9	-36.1	55.0	0	100	Vert.	74.0	19.0	

*20dBc is applied (please refer to page 9).

CHART: WITH FACTOR ANT TYPE: -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

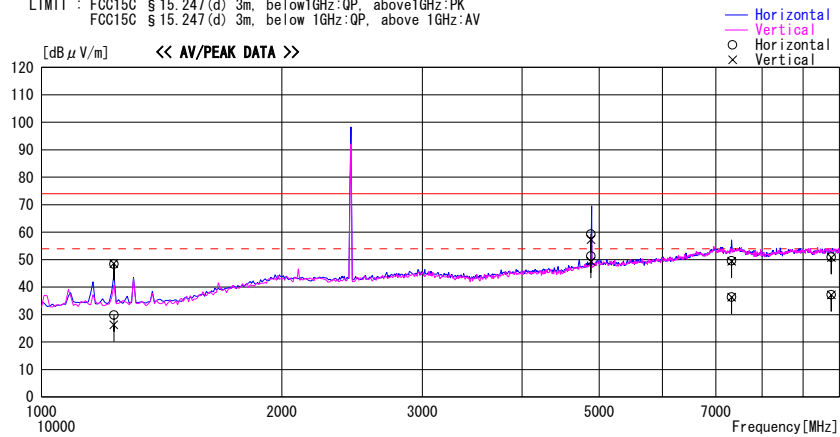
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/24 19:35:32

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting Bluetooth 2441MHz Angle2(Max Axis)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBμV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBuV/m]	[Deg]	[cm]		[dBuV/m]	[dB]
1232.050	63.9	PK	23.1	-38.6	48.4	0	100	Hori.	74.0	25.6
1232.050	64.1	PK	23.1	-38.6	48.6	0	100	Vert.	74.0	25.4
1232.050	45.3	AV	23.1	-38.6	29.8	0	100	Hori.	54.0	24.2
1232.050	41.7	AV	23.1	-38.6	26.2	0	100	Vert.	54.0	27.8
4882.000	60.0	PK	35.4	-36.1	59.3	60	120	Hori.	74.0	14.7
4882.000	58.0	PK	35.4	-36.1	57.3	270	120	Vert.	74.0	16.7
4882.000	50.0	AV	35.4	-36.1	49.3	270	120	Vert.	54.0	4.7
4882.000	52.0	AV	35.4	-36.1	51.3	60	120	Hori.	54.0	2.7
7323.000	46.2	PK	37.8	-34.6	49.4	0	100	Vert.	74.0	24.6
7323.000	33.2	AV	37.8	-34.6	36.4	0	100	Hori.	54.0	17.6
7323.000	33.1	AV	37.8	-34.6	36.3	0	100	Vert.	54.0	17.7
7323.000	46.5	PK	37.8	-34.6	49.7	0	100	Hori.	74.0	24.4
9764.000	47.0	PK	36.2	-32.3	50.9	0	100	Hori.	74.0	23.1
9764.000	33.3	AV	36.2	-32.3	37.2	0	100	Vert.	54.0	16.8
9764.000	33.4	AV	36.2	-32.3	37.3	0	100	Hori.	54.0	16.8
9764.000	46.8	PK	36.2	-32.3	50.7	0	100	Vert.	74.0	23.3

CHART: WITH FACTOR ANT TYPE: -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

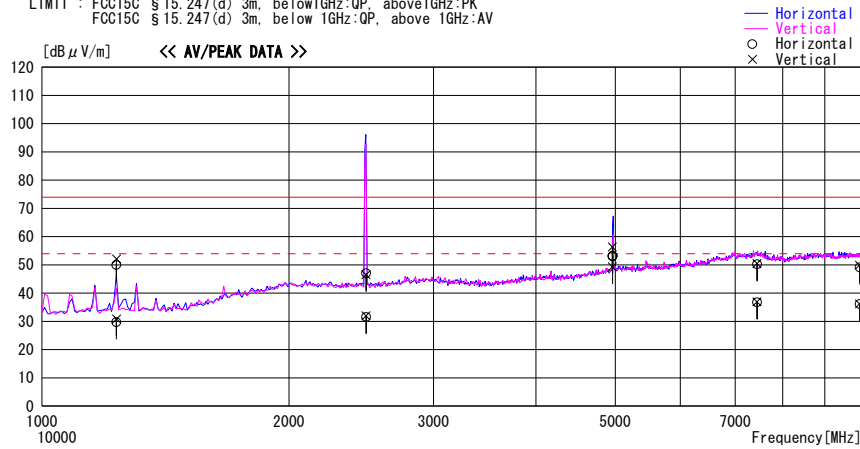
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/24 21:12:19

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-H0
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting Bluetooth 2480MHz Angle2 (Max Axis)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
1232.464	65.5	PK	23.1	-38.6	50.0	0	100	Hori.	74.0	24.0
1232.464	67.6	PK	23.1	-38.6	52.1	200	120	Vert.	74.0	21.9
1232.464	45.2	AV	23.1	-38.6	29.7	0	100	Hori.	54.0	24.3
1232.464	46.4	AV	23.1	-38.6	30.9	200	120	Vert.	54.0	23.1
2483.500	54.0	PK	30.8	-37.7	47.1	20	150	Hori.	74.0	26.9
2483.500	53.4	PK	30.8	-37.7	46.5	20	150	Vert.	74.0	27.5
2483.500	38.4	AV	30.8	-37.7	31.5	20	150	Hori.	54.0	22.5
2483.500	38.8	AV	30.8	-37.7	31.9	20	150	Vert.	54.0	22.1
4960.000	53.3	PK	35.8	-36.0	53.1	210	100	Hori.	74.0	20.9
4960.000	56.5	PK	35.8	-36.0	56.3	0	100	Vert.	74.0	17.7
4960.000	53.3	AV	35.8	-36.0	53.1	210	100	Hori.	54.0	0.9
4960.000	49.5	AV	35.8	-36.0	49.3	0	100	Vert.	54.0	4.7
7440.000	46.5	PK	37.9	-34.2	50.2	0	100	Hori.	74.0	23.8
7440.000	46.8	PK	37.9	-34.2	50.5	0	100	Vert.	74.0	23.5
7440.000	33.1	AV	37.9	-34.2	36.8	0	100	Hori.	54.0	17.2
7440.000	33.2	AV	37.9	-34.2	36.9	0	100	Vert.	54.0	17.1
9920.000	45.0	PK	36.2	-32.1	49.1	0	100	Hori.	74.0	24.9
9920.000	45.8	PK	36.2	-32.1	49.9	0	100	Vert.	74.0	24.1
9920.000	32.0	AV	36.2	-32.1	36.1	0	100	Hori.	54.0	17.9
9920.000	32.1	AV	36.2	-32.1	36.2	0	100	Vert.	54.0	17.8

CHART: WITH FACTOR ANT TYPE: -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

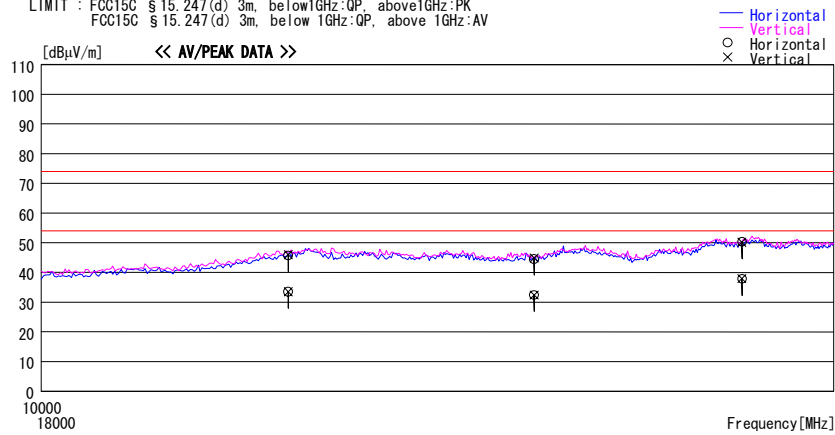
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/24 23:27:18

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Norihisa Hashimoto

Mode / Remarks : Transmitting Bluetooth 2402MHz Angle2(MAX)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss& Gain [dB]						
12010.000	44.5	PK	41.4	-40.2	45.7	0	0	Hori.	74.0	28.3
12010.000	44.8	PK	41.4	-40.2	46.0	0	0	Vert.	74.0	28.0
14412.000	43.7	PK	41.7	-40.9	44.5	0	0	Hori.	74.0	29.5
14412.000	44.1	PK	41.7	-40.9	44.9	0	0	Vert.	74.0	29.2
16814.000	44.1	PK	44.7	-38.5	50.3	0	0	Hori.	74.0	23.7
16814.000	44.0	PK	44.7	-38.5	50.2	0	0	Vert.	74.0	23.8
12010.000	32.3	AV	41.4	-40.2	33.5	0	0	Hori.	54.0	20.5
12010.000	32.4	AV	41.4	-40.2	33.6	0	0	Vert.	54.0	20.5
14412.000	31.6	AV	41.7	-40.9	32.4	0	0	Hori.	54.0	21.6
14412.000	31.6	AV	41.7	-40.9	32.4	0	0	Vert.	54.0	21.6
16814.000	31.7	AV	44.7	-38.5	37.9	0	0	Hori.	54.0	16.1
16814.000	31.7	AV	44.7	-38.5	37.9	0	0	Vert.	54.0	16.1

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

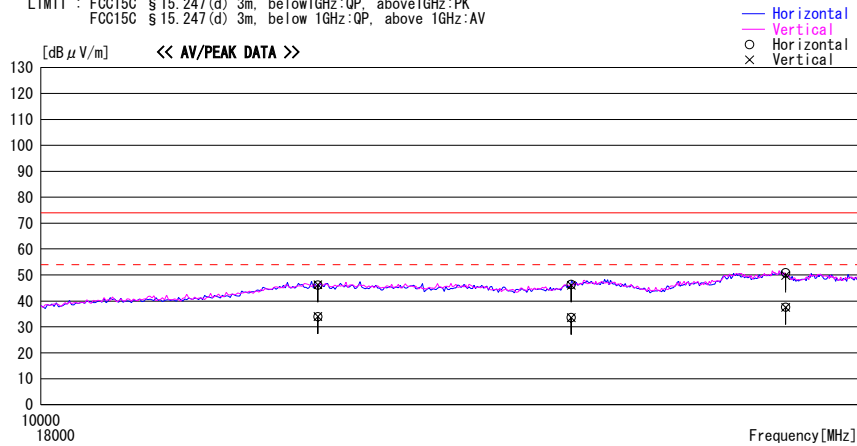
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 01:00:00

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 2G000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg. C / 60%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2441MHz Angle2(MAX)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBμV]	DET	Antenna		Level [dBμV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBμV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
12205.000	44.9	PK	41.5	-40.3	46.1	0	0	Hori.	74.0	27.9
12205.000	45.1	PK	41.5	-40.3	46.3	0	0	Vert.	74.0	27.7
14646.000	44.5	PK	42.2	-40.4	46.3	0	0	Hori.	74.0	27.7
14646.000	44.3	PK	42.2	-40.4	46.1	0	0	Vert.	74.0	27.9
17087.000	44.7	PK	44.5	-38.4	50.8	0	0	Hori.	74.0	23.2
17087.000	43.7	PK	44.5	-38.4	49.8	0	0	Vert.	74.0	24.2
12205.000	32.7	AV	41.5	-40.3	33.9	0	0	Hori.	54.0	20.1
12205.000	32.8	AV	41.5	-40.3	34.0	0	0	Vert.	54.0	20.0
14646.000	31.8	AV	42.2	-40.4	33.6	0	0	Hori.	54.0	20.4
14646.000	31.8	AV	42.2	-40.4	33.6	0	0	Vert.	54.0	20.4
17087.000	31.4	AV	44.5	-38.4	37.5	0	0	Hori.	54.0	16.5
17087.000	31.4	AV	44.5	-38.4	37.5	0	0	Vert.	54.0	16.5

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

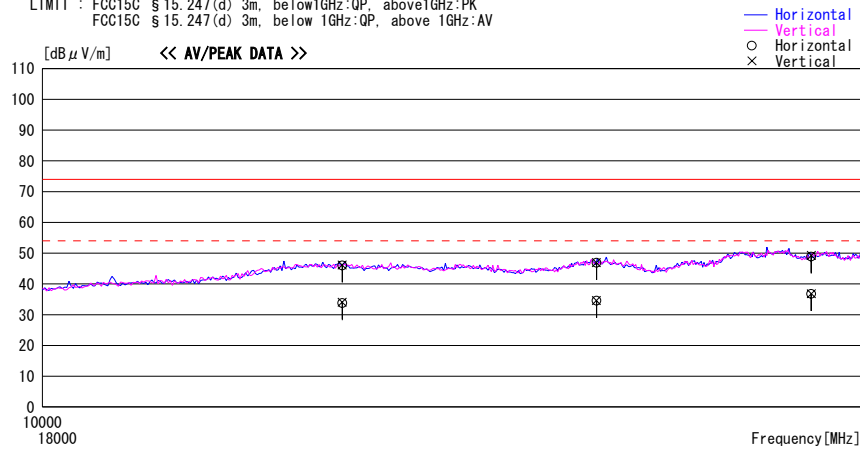
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 01:07:51

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 26000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2480MHz Angle2 (MAX)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
12400.000	44.9	PK	41.6	-40.5	46.0	0	0	Hori.	74.0	28.0
12400.000	45.1	PK	41.6	-40.5	46.2	0	0	Vert.	74.0	27.8
14880.000	44.1	PK	42.6	-39.8	46.9	0	0	Hori.	74.0	27.1
14880.000	44.1	PK	42.6	-39.8	46.9	0	0	Vert.	74.0	27.1
17360.000	43.2	PK	44.4	-38.7	48.9	0	0	Hori.	74.0	25.1
17360.000	43.5	PK	44.4	-38.7	49.2	0	0	Vert.	74.0	24.8
12400.000	32.7	AV	41.6	-40.5	33.8	0	0	Hori.	54.0	20.2
12400.000	33.0	AV	41.6	-40.5	34.1	0	0	Vert.	54.0	19.9
14880.000	31.8	AV	42.6	-39.8	34.6	0	0	Hori.	54.0	19.4
14880.000	31.8	AV	42.6	-39.8	34.6	0	0	Vert.	54.0	19.4
17360.000	31.1	AV	44.4	-38.7	36.8	0	0	Hori.	54.0	17.2
17360.000	31.1	AV	44.4	-38.7	36.8	0	0	Vert.	54.0	17.2

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

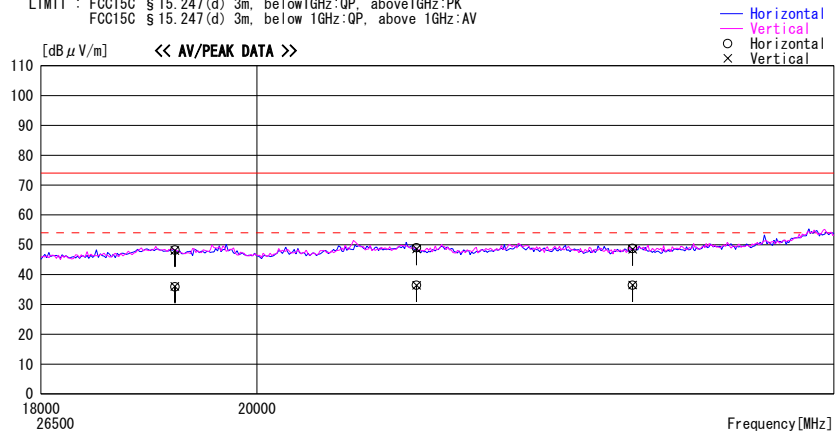
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 01:18:22

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 2G000001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2402MHz Angle2 (MAX)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBμV]	DET	Antenna	Loss&	Level [dBμV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBμV/m]	Margin [dB]
			Factor [dB/m]	Gain [dB]						
19216.000	41.2	PK	41.7	-34.6	48.3	0	0	Hori.	74.0	25.8
19216.000	41.0	PK	41.7	-34.6	48.1	0	0	Vert.	74.0	25.9
21618.000	42.9	PK	40.4	-34.2	49.1	0	0	Hori.	74.0	24.9
21618.000	42.5	PK	40.4	-34.2	48.7	0	0	Vert.	74.0	25.4
24020.000	41.5	PK	41.0	-33.7	48.8	0	0	Hori.	74.0	25.2
24020.000	41.2	PK	41.0	-33.7	48.5	0	0	Vert.	74.0	25.5
19216.000	28.8	AV	41.7	-34.6	35.9	0	0	Hori.	54.0	18.1
19216.000	29.0	AV	41.7	-34.6	36.1	0	0	Vert.	54.0	17.9
21618.000	30.2	AV	40.4	-34.2	36.4	0	0	Hori.	54.0	17.6
21618.000	30.2	AV	40.4	-34.2	36.4	0	0	Vert.	54.0	17.6
24020.000	29.2	AV	41.0	-33.7	36.5	0	0	Hori.	54.0	17.5
24020.000	29.2	AV	41.0	-33.7	36.5	0	0	Vert.	54.0	17.5

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

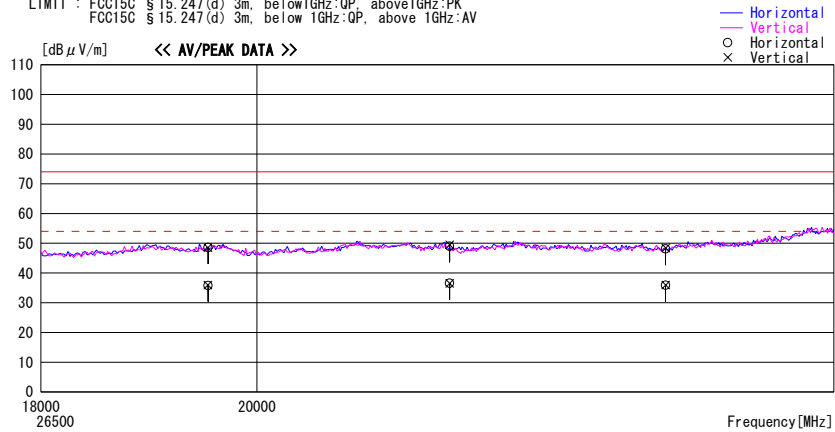
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 01:24:29

Applicant : FUJITSU TEN Limited
 Kind of EUT : DISPLAY
 Model No. : BT003A
 Serial No. : 26000001
 Report No. : 25LE0267-HO
 Power : DC13.2V
 Temp./Humi. : 25deg.C / 60%
 Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2441MHz Angle2 (MAX)

LIMIT : FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
 FCC15C §15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBμV]	DET	Antenna	Loss&	Level	Angle	Height	Polar.	Limit	Margin
			Factor	Gain						
			[dB/m]	[dB]	[dBμV/m]	[Deg]	[cm]		[dBμV/m]	[dB]
19528.000	41.3	PK	41.4	-34.1	48.6	0	0	Hori.	74.0	25.4
19528.000	41.2	PK	41.4	-34.1	48.5	0	0	Vert.	74.0	25.5
21969.000	44.3	PK	40.5	-35.7	49.1	0	0	Hori.	74.0	24.9
21969.000	44.7	PK	40.5	-35.7	49.5	0	0	Vert.	74.0	24.5
24410.000	40.9	PK	41.1	-33.8	48.2	0	0	Hori.	74.0	25.8
24410.000	41.1	PK	41.1	-33.8	48.4	0	0	Vert.	74.0	25.6
19528.000	28.5	AV	41.4	-34.1	35.8	0	0	Hori.	54.0	18.2
19528.000	28.7	AV	41.4	-34.1	36.0	0	0	Vert.	54.0	18.0
21969.000	31.8	AV	40.5	-35.7	36.6	0	0	Hori.	54.0	17.4
21969.000	31.7	AV	40.5	-35.7	36.5	0	0	Vert.	54.0	17.5
24410.000	28.6	AV	41.1	-33.8	35.9	0	0	Hori.	54.0	18.1
24410.000	28.6	AV	41.1	-33.8	35.9	0	0	Vert.	54.0	18.1

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
 CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
 Except for the data below : adequate margin data below the limits.

Radiated Spurious Emission

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.

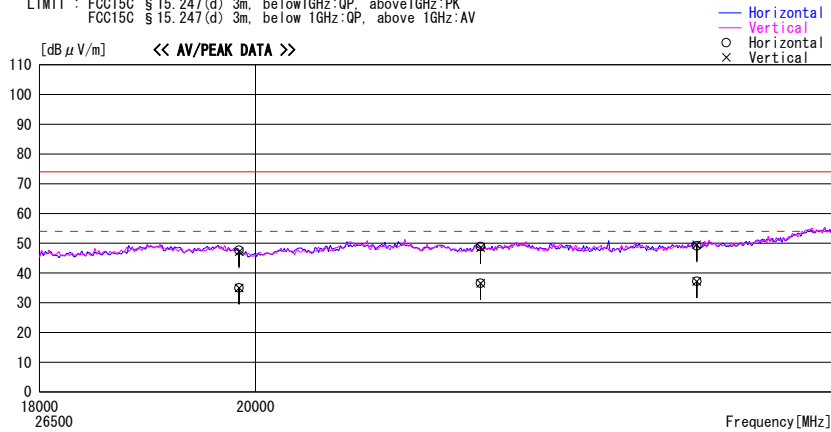
DATA OF RADIATED EMISSION TEST

UL Apex Co., Ltd. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2005/08/25 01:30:16

Applicant : FUJITSU TEN Limited
Kind of EUT : DISPLAY
Model No. : BT003A
Serial No. : 2600001
Report No. : 25LE0267-HO
Power : DC13.2V
Temp./Humi. : 25deg.C / 60%
Operator : Hiroka Umeyama

Mode / Remarks : Transmitting Bluetooth 2480MHz Angle2 (MAX)

LIMIT : FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15C § 15.247(d) 3m, below 1GHz:QP, above 1GHz:AV

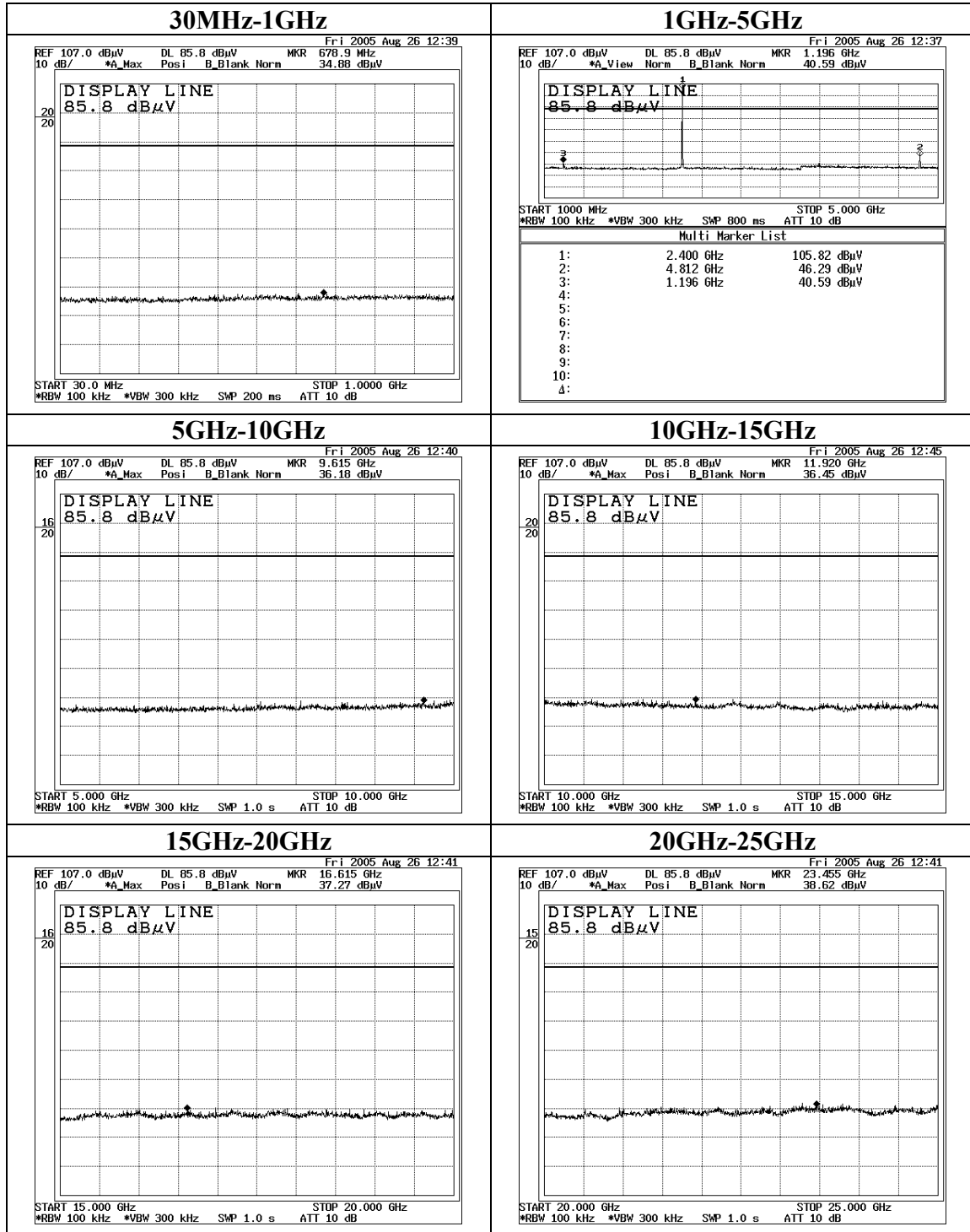


Frequency [MHz]	Reading [dBμV]	DET	Antenna		Level [dBμV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBμV/m]	Margin [dB]
			Factor [dB/m]	Loss & Gain [dB]						
19840.000	41.2	PK	41.1	-34.6	47.7	0	0	Hori.	74.0	26.3
19840.000	40.7	PK	41.1	-34.6	47.2	0	0	Vert.	74.0	26.8
22320.000	43.7	PK	40.4	-35.2	48.9	0	0	Hori.	74.0	25.1
22320.000	43.4	PK	40.4	-35.2	48.6	0	0	Vert.	74.0	25.5
24800.000	41.6	PK	41.1	-33.6	49.1	0	0	Hori.	74.0	24.9
24800.000	42.1	PK	41.1	-33.6	49.6	0	0	Vert.	74.0	24.5
19840.000	28.5	AV	41.1	-34.6	35.0	0	0	Hori.	54.0	19.0
19840.000	28.5	AV	41.1	-34.6	35.0	0	0	Vert.	54.0	19.0
22320.000	31.3	AV	40.4	-35.2	36.5	0	0	Hori.	54.0	17.5
22320.000	31.3	AV	40.4	-35.2	36.5	0	0	Vert.	54.0	17.5
24800.000	29.7	AV	41.1	-33.6	37.2	0	0	Hori.	54.0	16.8
24800.000	29.7	AV	41.1	-33.6	37.2	0	0	Vert.	54.0	16.8

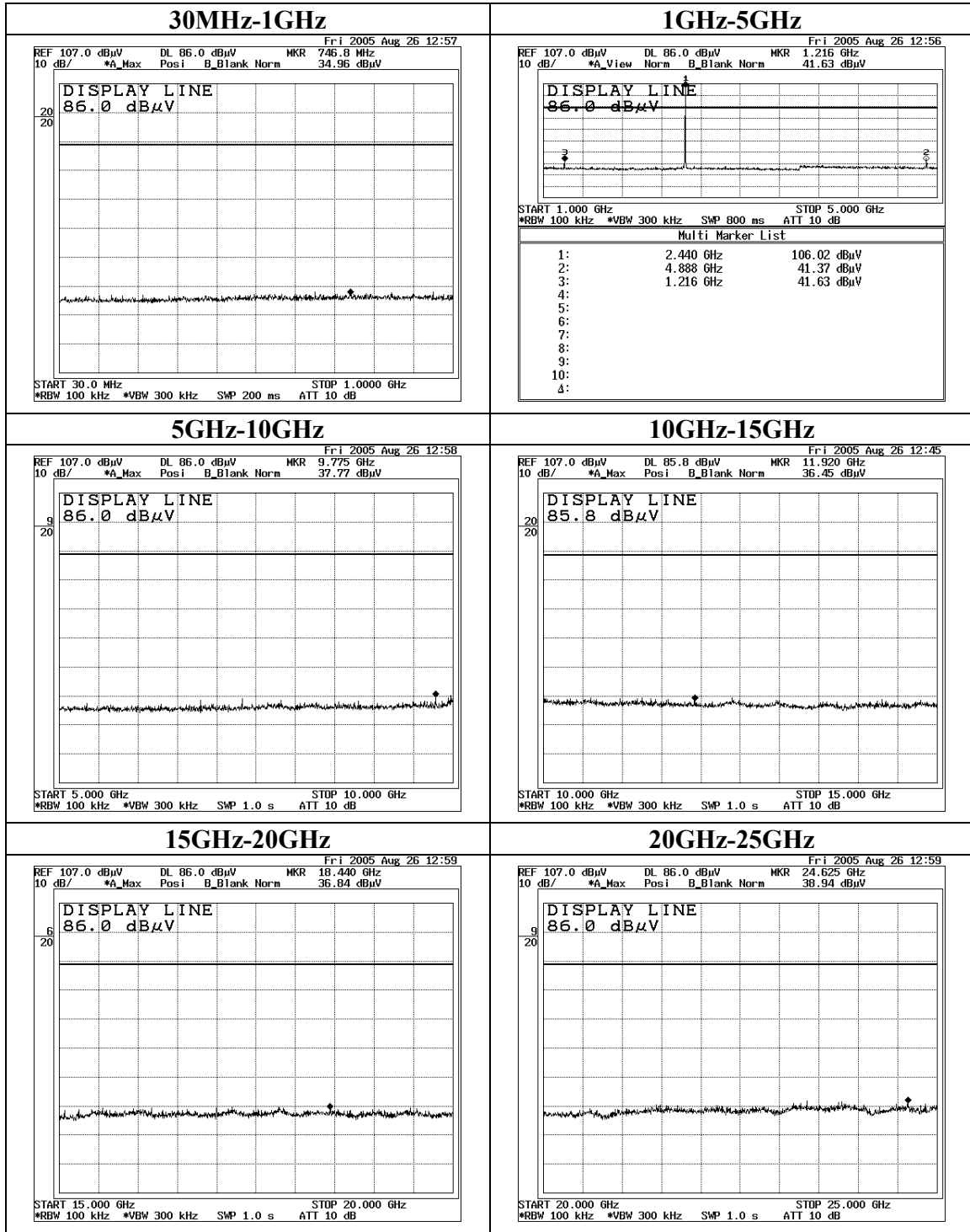
CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)
Except for the data below : adequate margin data below the limits.

Conducted Spurious Emission

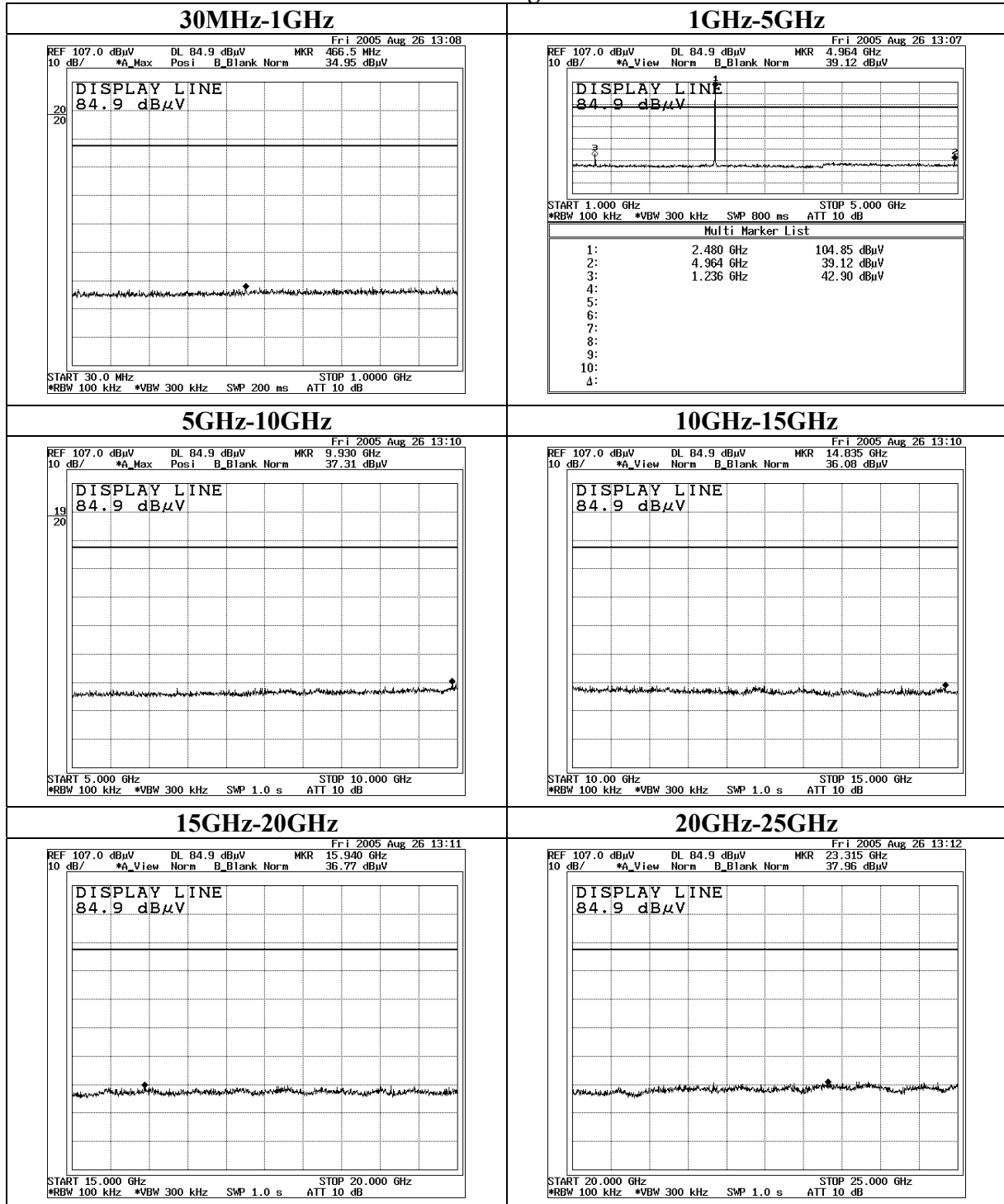
Ch:Low



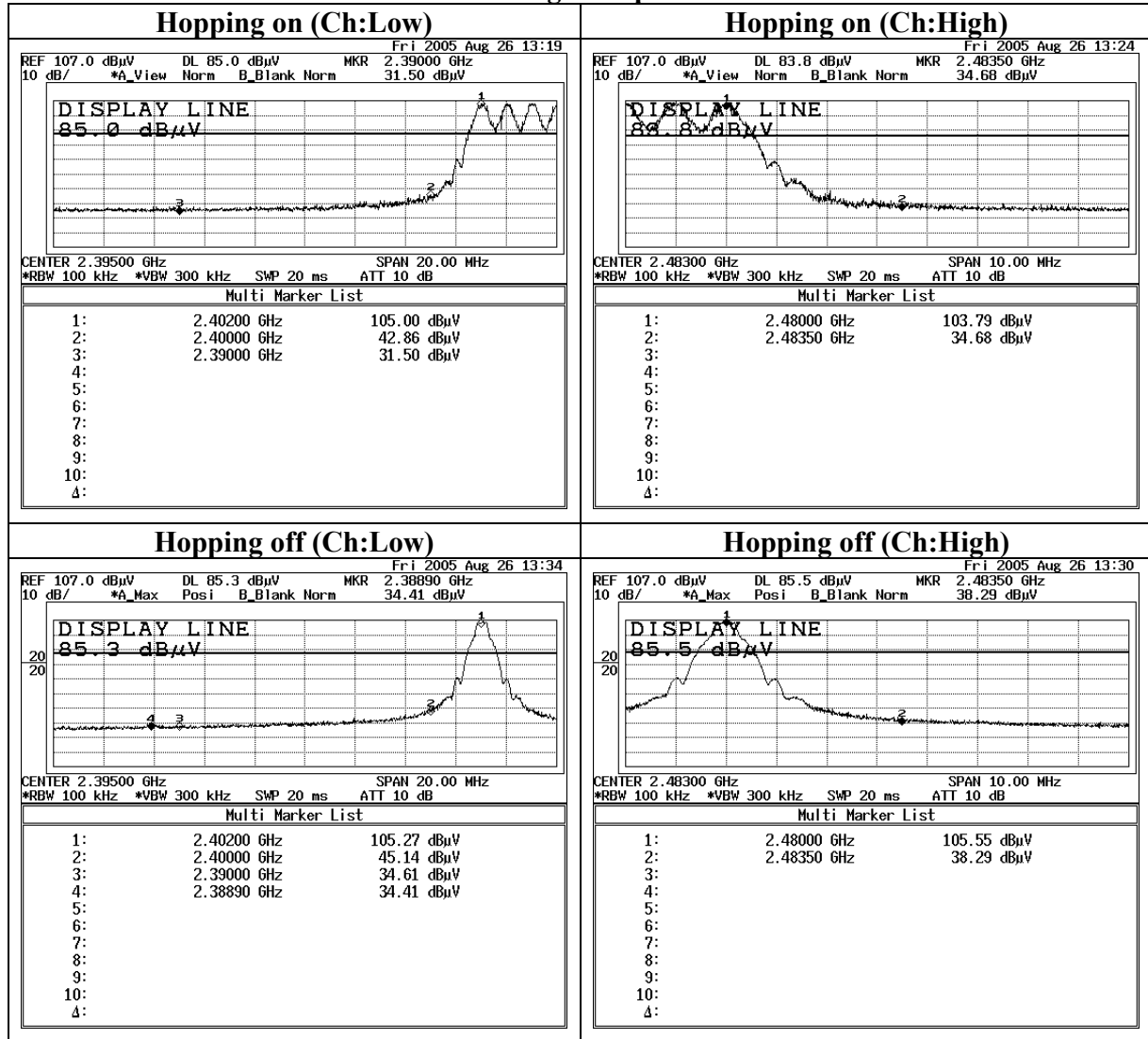
Conducted Spurious Emission
Ch:Mid



Conducted Spurious Emission
Ch:High



**Conducted Spurious Emission
Band Edge compliance**



99% Occupied Bandwidth

