EMI TEST REPORT

Test Report No. : 25BE0339-YK-1

Applicant	:	**Fujitsu Media Devices Limited**
Type of Equipment	:	**Wireless LAN SD card**
Model No.	:	**MBH2WLZ07**
FCC ID	:	**QZIMBH2WLZ07**
Test Standard	:	**FCC Part15 Subpart C, Section 15.247: 2004**
Test Result	:	**Complied**

1. This test report shall not be reproduced except in full, 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 test report are traceable to the national or international standards.

Date of test: October 20, 21 and 28, 2004

Tested by: M. Hosaka & T. Imamura

Makoto Hosaka Toyokazu Imamura

Approved by: O. Watatani

Osamu Watatani
Site Manager of Yamakita EMC Lab.

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1 GENERAL INFORMATION

Applicant

Company Name	: Fujitsu Media Devices Limited
Address	: Shin-Yokoyama Square Bldg. 12F, Shin-Yokohama 2-3-12, Kohoku-ku, Yokohama-shi, Kanagawa-ken 222-0033 JAPAN
Telephone Number	: +81 45 476 4273
Facsimile Number	: +81 45 476 4265
Contact Person	: Toshikazu Asami (asami@fmd.fujitsu.com)
Type of Equipment	: Wireless LAN SD card
Model No.	: MBH2WLZ07
Serial No.	: 1C
Rating	: DC3.3V, 0.39A
Receipt Date of Sample	: October 20, 2004
Condition of EUT	: Production prototype (Not for sale: This sample is equivalent to mass-produced items.)
Regulation(s)	: FCC Part15 Subpart C, Section 15.247: 2004
Test Site	: UL Apex Yamakita EMC lab.

1.1 Tested Methodology

The measurements were performed according to the procedures in ANSI C63.4 (2003).
These tests were also referred to "Guidance on Measurement for Digital Transmission Systems Section15.247".

1.2 Test Facility

No. 1 test site has been fully described in a report submitted to FCC office, and accepted on September 20, 2002 (Registration No.: 95486).
IC Registration No. : IC3489

No. 1 anechoic chamber has been fully described in a report submitted to FCC office, and accepted on November 8, 2002 (Registration No.: 95967).
IC Registration No. : IC3489-B

Test room	Width x Depth x Height (m)	Test room	Width x Depth x Height (m)
No.1 shielded room	8.0 x 5.0 x 2.5	No.1 EMS lab. (Semi-anechoic chamber)	10.0 x 7.5 x 5.7
No.2 shielded room	5.0 x 4.0 x 2.5		
No.3 shielded room	4.0 x 5.0 x 2.7		

2 PRODUCT DESCRIPTION

Fujitsu Media Devices Limited, Model: MBH2WLZ07 (referred to as the EUT in this report) is a Wireless LAN SD card for PDA. This equipment transmits and receives in the 2.4GHz ISM band.

The clock frequency used in EUT: 40MHz

Equipment type	:	Transceiver
Frequency of operation	:	2412 - 2462 MHz
Channel spacing	:	5 MHz
Channel number	:	11 channels
Type of modulation	:	Direct sequence spread spectrum (IEEE802.11b)
Antenna type	:	Inverted F type
Antenna connector type	:	None
Antenna gain	:	2.1dBi (MAX)
Mode of operation	:	Duplex
Emission Designation	:	G1D
Operation temperature range	:	-20 ~ 70 deg. C.
Operation voltage (inner)	:	DC3.3V

*FCC Part15.31 (e)

SL-C860 (PDA) provides the Wireless LAN SD card with stable power supply (DC3.3V), and the power is not changed when voltage of the PDA is varied. Therefore, the equipment complies power supply regulation.

*FCC Part15.203

The Wireless LAN SD card and its antenna comply with this requirement since this antenna is built in the equipment and it cannot be replaced by end users.

3 SYSTEM TEST CONFIGURATION

3.1 Justification

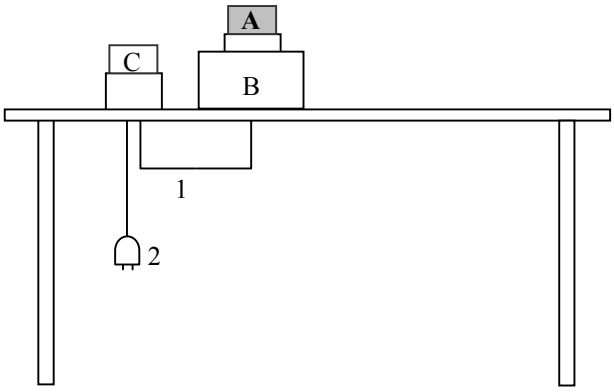
The system was configured in typical fashion (as a customer would normally use it) for testing.

Test mode:

Transmitting	-2412MHz (Low)
	-2437MHz (Middle)
	-2462MHz (High)

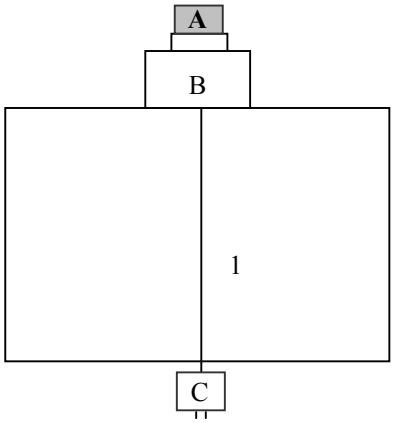
3.2 Configuration of Tested System

Front View (Conducted emission)



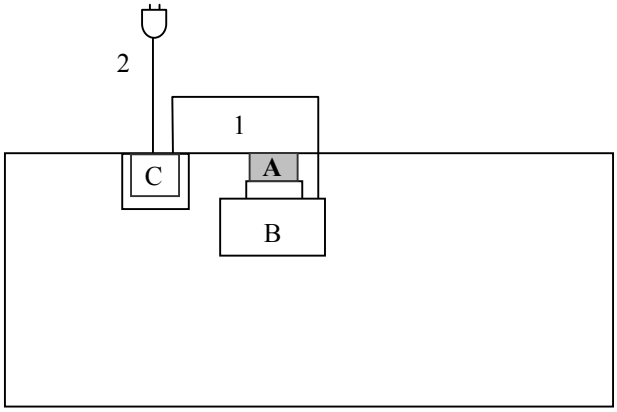
AC120V/60Hz

Front View (Radiated emission)

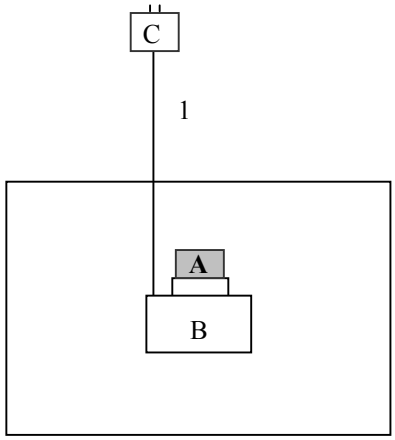


AC120V/60Hz

Top View (Conducted emission)



Top View (Radiated emission)



*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 (Remarks)
A	Wireless LAN SD card	MBH2WLZ07	1C	Fujitsu Media Devices Limited	QZIMBH2WLZ07 (EUT)
B	PDA (Zaurus)	SL-C860	43002661	SHARP	-
C	AC Adapter	ADP-10SB	5836401YLQD7VM	DELTA ELECTRONICS, INC.	-

List of cables used

No.	Name	Length (m)	Shield	Backshell material
1	DC Cable	1.6	Unshielded	Polyvinyl chloride
2	AC Cable	1.0	Unshielded	Polyvinyl chloride

4 MEASUREMENT UNCERTAINTY

Conducted emission test
The measurement uncertainty (with a 95% confidence level) for this test was ±1.3dB.

The data listed in this test report has enough margin, more than site margin.

Radiated emission test
The measurement uncertainty (with 95% confidence level) for this test using Biconical antenna is ±4.8dB.
The measurement uncertainty (with 95% confidence level) for this test using Logperiodic antenna is ±5.2dB.
The measurement uncertainty (with 95% confidence level) for this test using Horn antenna is ±6.6dB.

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

5 SUMMARY OF TESTS

5.1 §15.207 Conducted Emissions (Limits by CISPR Pub.22 Class B)

Test Procedure
EUT was placed on a platform of nominal size, 1m by 1.8m, raised 80cm above the conducting ground plane. The rear of tabletop was located 40cm to the vertical conducting plane. The rear of EUT was aligned and flushed with rear of tabletop. All other surfaces of tabletop were at least 80cm from any other grounded conducting surface. EUT was located 80cm from a LISN (Line Impedance Stabilization Network) and excess AC cable was bundled in center. Each EUT current-carrying power lead, except the ground (safety) lead, was individually connected through the LISN to the input power source.

The AC Mains Terminal Continuous disturbance Voltage has been measured with the EUT on a shielded room. The AC adapter of the PDA was connected to a LISN. An overview sweep with peak detection has been performed. Measurement range : 150kHz to 30MHz CISPR QP/AV Detector, IF BW 9kHz

Test data : APPENDIX 2 Page 14 to 18
Photographs of test setup : Page 11
Test result : Pass
Test instruments : KCC-14/15/16/18/KPL-01, KLS-01, KSA-01, KTR-02

5.2 §15.247 (a)(2) 6dB Bandwidth (Antenna Port Conducted)

Test Procedure
The minimum 6dB bandwidth was measured with a spectrum analyzer connected to the antenna port.

Test data : APPENDIX 2 Page 19
Test result : Pass
Test instruments : 0.05m length cable prepared by client, KTR-01

5.3 § 15.247 (b)(3) Maximum Peak Conducted Output Power (Antenna Port Conducted)

Test Procedure
The Maximum Peak Conducted Output power was measured with a power meter connected to the antenna port. Antenna Gain does not exceed 6dBi.

Test data : APPENDIX 2 Page 20
Test result : Pass
Test instruments : KPM-05, KPSS-01

5.4 § 15.247 (d) Out of Band Emissions (Radiated)

Test Procedure
EUT was placed on a platform of nominal size, 0.5m by 0.5m, raised 80cm above the conducting ground plane.
Test was made with the antenna positioned in both the horizontal and vertical planes of polarization.
The measurement antenna was varied in height above the conducting ground plane to obtain the maximum signal strength. The Radiated Electric Field Strength intensity has been measured in an open site with a ground plane and at a distance of 3m. The measuring antenna height was 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 equipment was also previously checked at each position of three axes X, Y and Z. X was worst under the horizontal antenna polarization and Y was worst under the vertical antenna polarization in below 1GHz. In above 1GHz, Z was worst under the horizontal antenna polarization and X was worst under the vertical antenna polarization. The position in which the maximum noise occurred was chosen to put into measurement. See the photographs in page 13.

Radiated spurious emissions
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. The result was also satisfied the general limits specified in Sec.15.209 (a).
Measurement range : 30MHz to 1000MHz CISPR QP Detector, IF BW 120kHz
: 1GHz to 26GHz PK/AV Detector

Test data	**: APPENDIX 2 Page 21 to 23 (30 - 1000MHz)**
	: APPENDIX 2 Page 24 to 29 (1 - 26GHz)
	: APPENDIX 2 Page 30 to 33
	(Band Edges: 2390MHz/ 2483.5MHz, Restricted band Charts)
Photographs of test setup	**: Page 12**
Test result	**: Pass**
Test instruments	**: KAF-01, KAF-02, KAT10-S1, KAT6-01, KTR-02, KFL-01**
	KCC-10/11/12/13/18, KCC-D3/D7, KBA-01, KOTS-01
	KSA-01, KSA-04, KHA-01, KHA-03, KLA-01

5.5 § 15.247 (d) Out of Band Emissions (Antenna Port Conducted)

Test Procedure
The Out of Band Emissions was measured with a spectrum analyzer connected to the antenna port.

Test data	**: APPENDIX 2 Page 34 to 39**
Test result	**: Pass**
Test instruments	**: 0.05m length cable prepared by client, KTR-01**

5.6 § 15.247 (e) Power Density (Antenna Port Conducted)

Test Procedure
The Power Density was measured with a spectrum analyzer connected to the antenna port.

Test data	**: APPENDIX 2 Page 40 to 41**
Test result	**: Pass**
Test instruments	**: 0.05m length cable prepared by client, KTR-01**

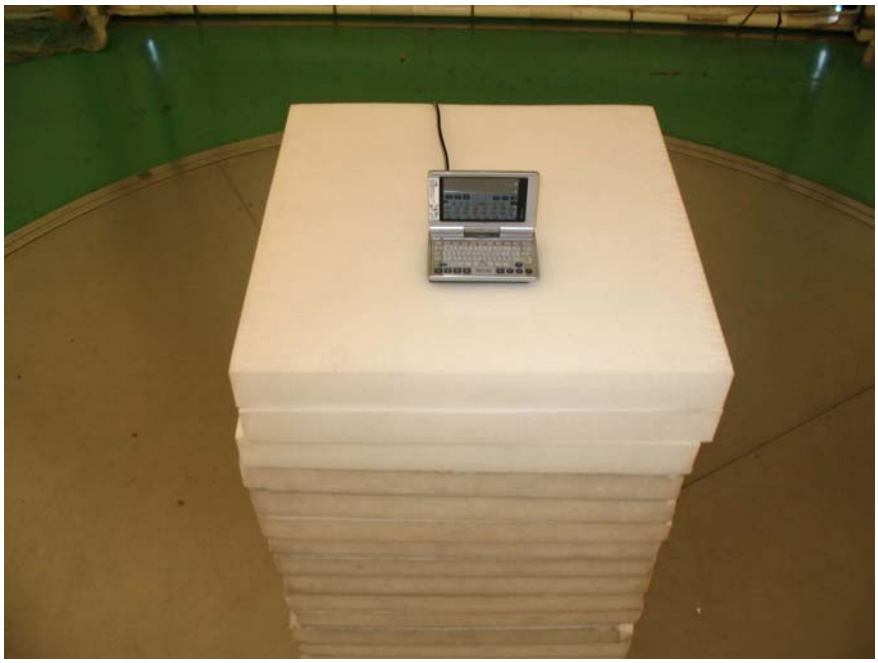
APPENDIX 1: Photographs of test setup

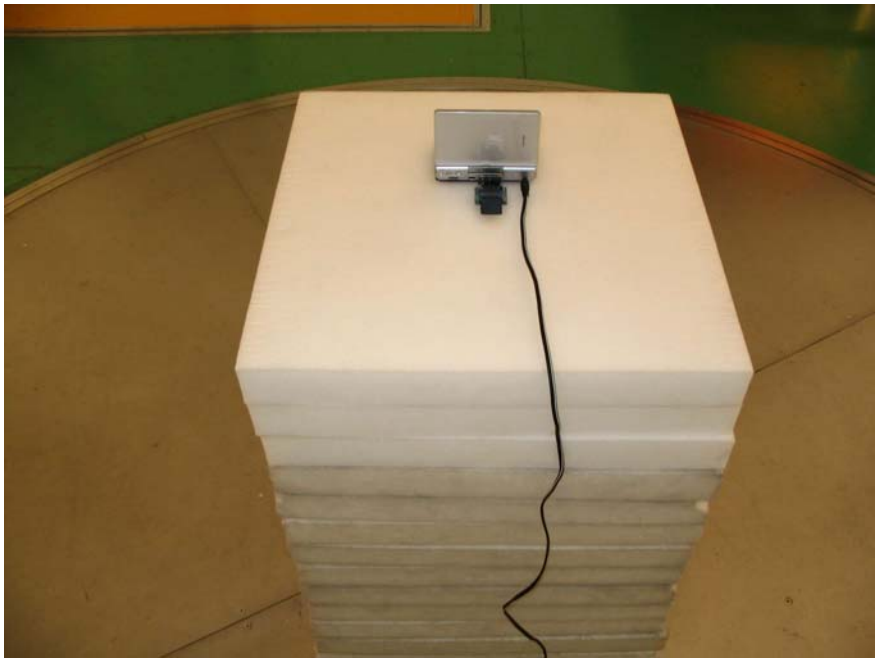
APPENDIX 2: Test Data

APPENDIX 3: Test instruments

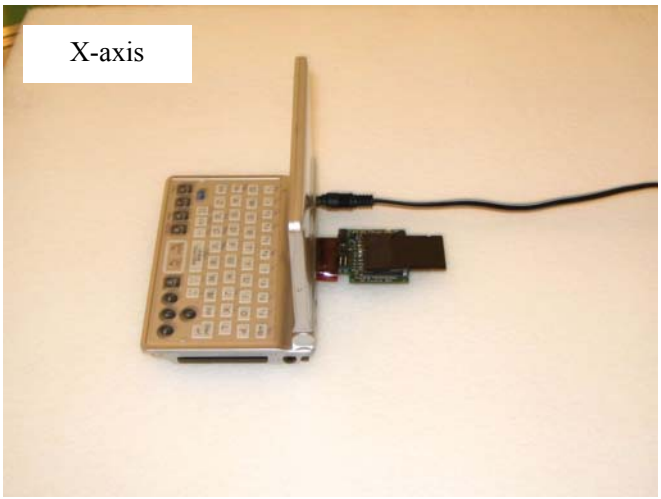
Conducted emission

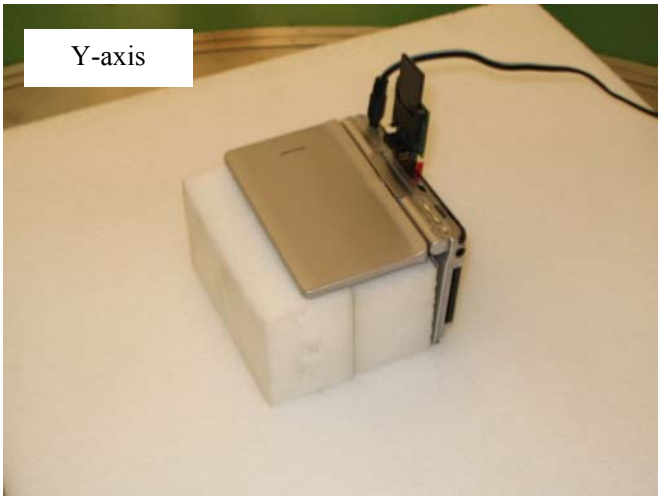
Radiated emission

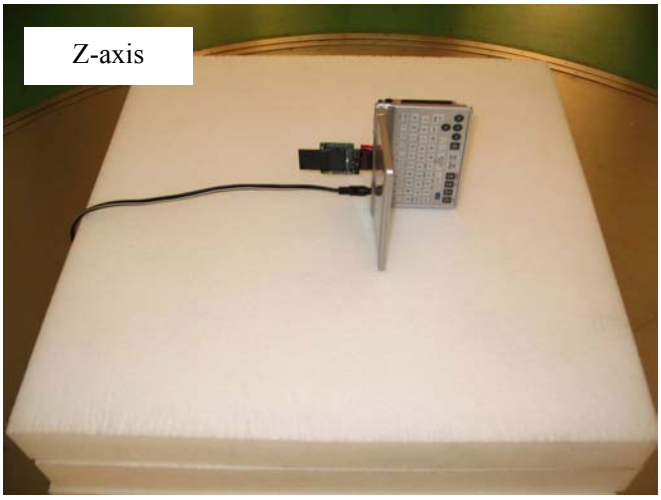




Pre check of worse-case position







DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 SHIELD TEST ROOM
Report No.: 25BE0339-YK - 1

Applicant	:	FUJITSU MEDIA DEVICES LIMITED	
Kind of Equipment	:	Wireless LAN SD card	
Model No.	:	MBH2WLZ07	
Serial No.	:	1C	
Power	:	DC3.3V (AC120V/60Hz)	
Mode	:	Transmitting 1CH (2412MHz)	
Remarks	:		
Date	:	10/21/2004	
Phase	:	Single Phase	
Temperature	:	20 ℃	Engineer : Makoto Hosaka
Humidity	:	70 %	
Regulation	:	FCC Part15C §15.207. (CISPR Pub.22)	

No.	FREQ.	READING(N) QP	READING(N) AV	READING(L1) QP	READING(L1) AV	LISN FACTOR	CABLE LOSS	ATTEN.	RESULT QP	RESULT AV	LIMITS QP	LIMITS AV	MARGIN QP	MARGIN AV
	[MHz]	[dBμV]		[dBμV]		[dB]	[dB]	[dB]	[dB]		[dBμV]		[dB]	
1.	0.1500	45.2	-	43.7	-	0.0	0.1	0.0	45.3	-	66.0	56.0	20.7	-
2.	0.1658	52.3	37.8	49.1	33.1	0.0	0.1	0.0	52.4	37.9	65.2	55.2	12.8	17.3
3.	0.3352	33.5	17.4	45.0	23.3	0.0	0.1	0.0	45.1	23.4	59.3	49.3	14.2	25.9
4.	0.8301	29.1	10.9	40.0	19.4	0.0	0.2	0.0	40.2	19.6	56.0	46.0	15.8	26.4
5.	1.0827	33.1	-	33.1	-	0.1	0.2	0.0	33.4	-	56.0	46.0	22.6	-
6.	5.4266	26.2	-	25.4	-	0.2	0.6	0.0	27.0	-	60.0	50.0	33.0	-
7.	19.1687	26.7	-	26.8	-	0.8	1.6	0.0	29.2	-	60.0	50.0	30.8	-

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

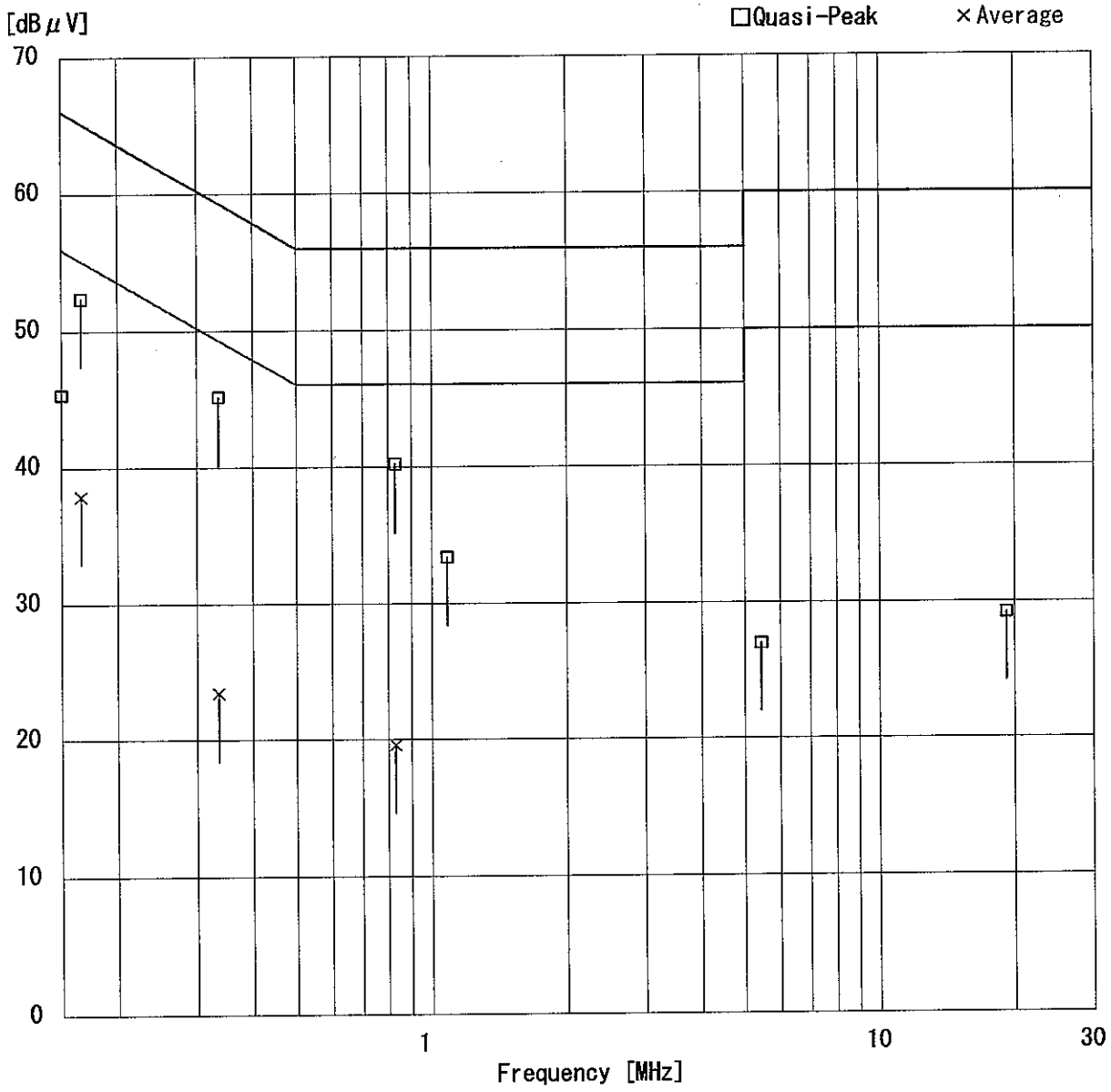
■LISN :KLS-01(NSLK8126) ■COAXIAL CABLE:KCC-14/15/16/18
■PULSE LIMTTER:KPL-01(PL01) ■EMI RECEIVER:KTR-02(ESCS30)

Page:

DATA OF CONDUCTION TEST

UL Apex Co.,Ltd.
YAMAKITA No.1 SHIELD TEST ROOM
Report No.: 25BE0339-YK - 1

Applicant	: FUJITSU MEDIA DEVICES LIMITED		
Kind of Equipment	: Wireless LAN SD card		
Model No.	: MBH2WLZ07		
Serial No.	: 1C		
Power	: DC3.3V (AC120V/60Hz)		
Mode	: Transmitting 1CH (2412MHz)		
Remarks	:		
Date	: 10/21/2004		
Phase	: Single Phase		
Temperature	: 20 ℃	Engineer	: Makoto Hosaka
Humidity	: 70 %		
Regulation	: FCC Part15C §15.207.(CISPR Pub.22)		



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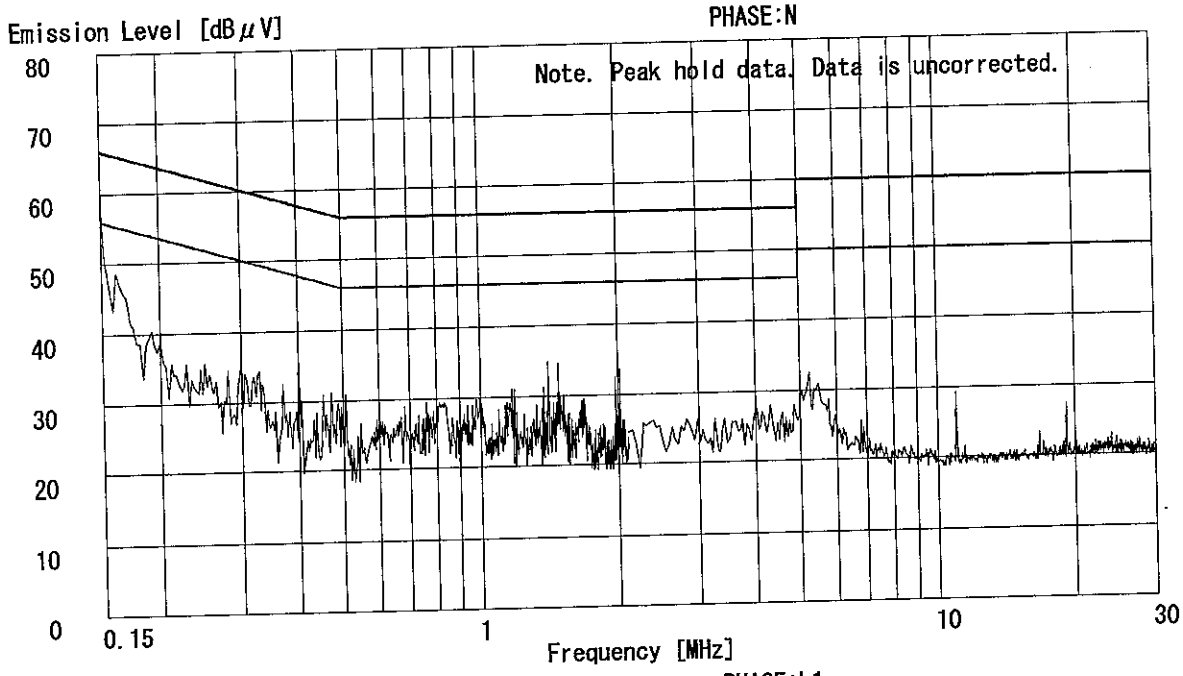
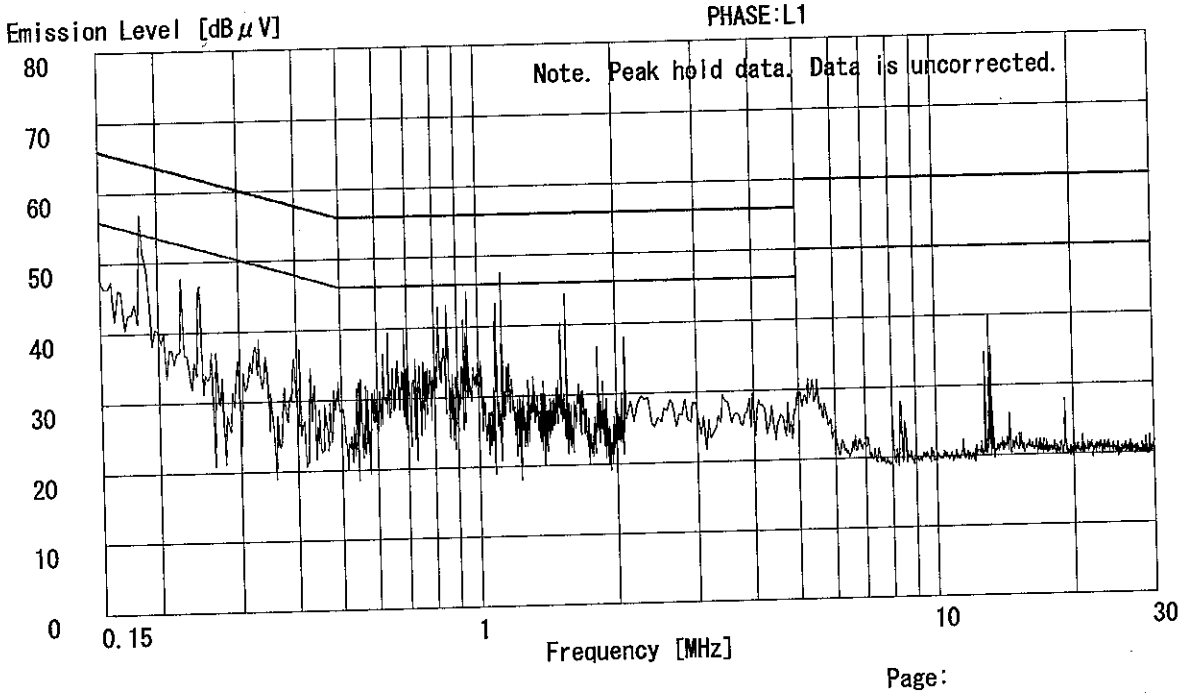
DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.1 SHIELD TEST ROOM
Report No. : 25BE0339-YK - 1

Applicant	: FUJITSU MEDIA DEVICES LIMITED		
Kind of Equipment	: Wireless LAN SD card		
Model No.	: MBH2WLZ07		
Serial No.	: 1C		
Power	: DC3.3V (AC120V/60Hz)		
Mode	: Transmitting 1CH (2412MHz)		
Remarks	:		
Date	: 10/21/2004		
Phase	: Single Phase		
Temperature	: 20 ℃	Engineer	: Makoto Hosaka
Humidity	: 70 %		
Regulation 1	: FCC Part15C §15.207. (CISPR Pub.22)		
Regulation 2	: None		





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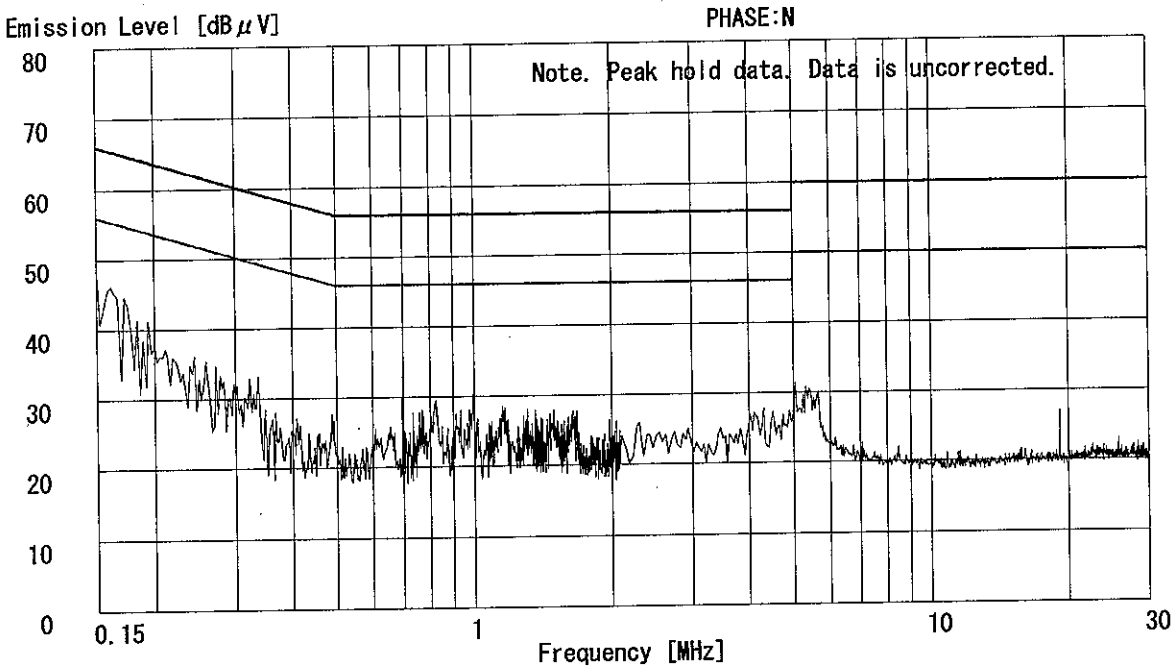
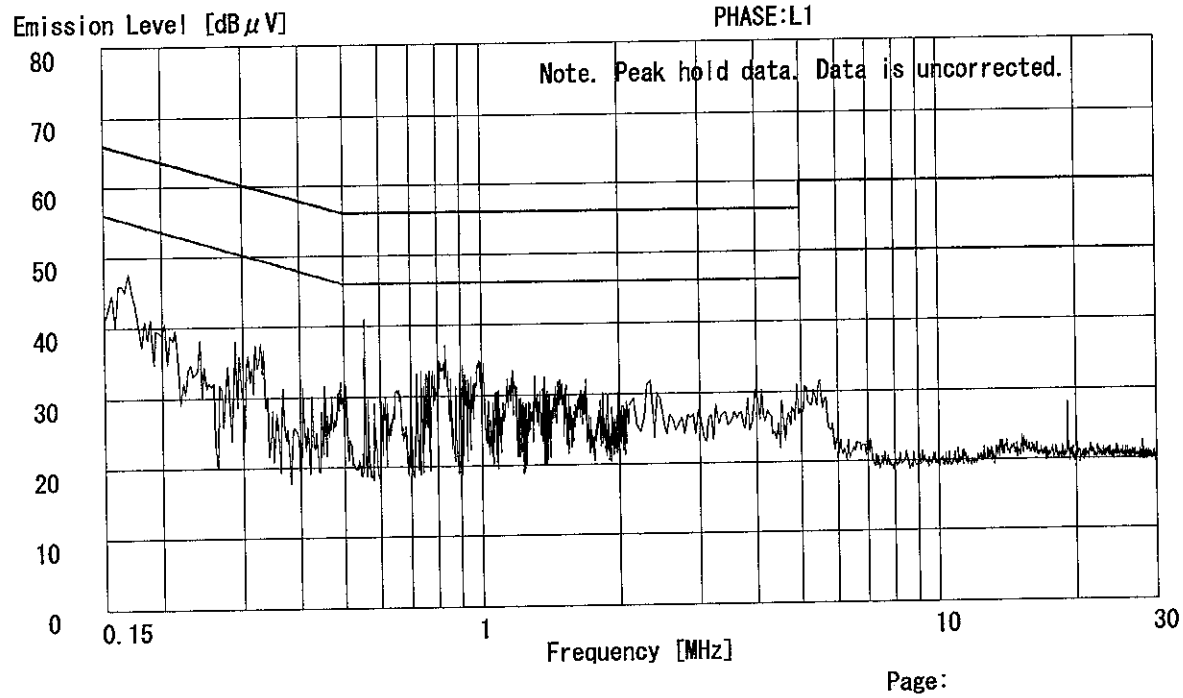
DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.1 SHIELD TEST ROOM
Report No. : 25BE0339-YK - 1

Applicant	: FUJITSU MEDIA DEVICES LIMITED		
Kind of Equipment	: Wireless LAN SD card		
Model No.	: MBH2WLZ07		
Serial No.	: 1C		
Power	: DC3.3V (AC120V/60Hz)		
Mode	: Transmitting 6CH (2437MHz)		
Remarks	:		
Date	: 10/21/2004		
Phase	: Single Phase		
Temperature	: 20 °C	Engineer	: Makoto Hosaka
Humidity	: 70 %		
Regulation 1	: FCC Part15C §15.207.(CISPR Pub.22)		
Regulation 2	: None		





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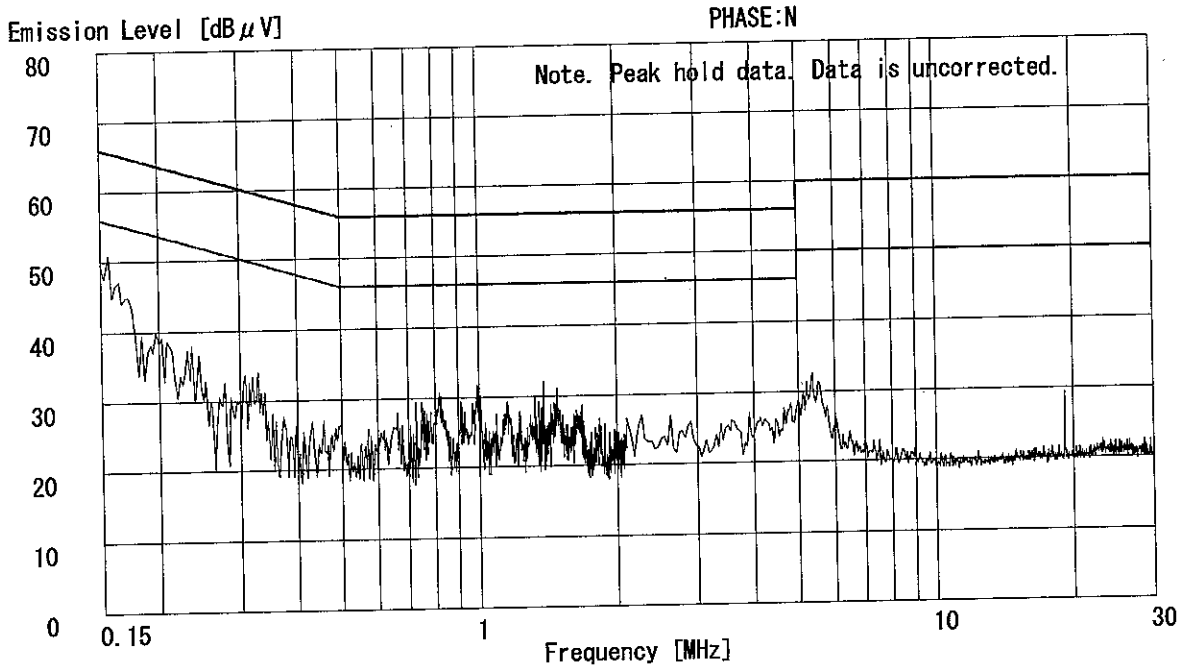
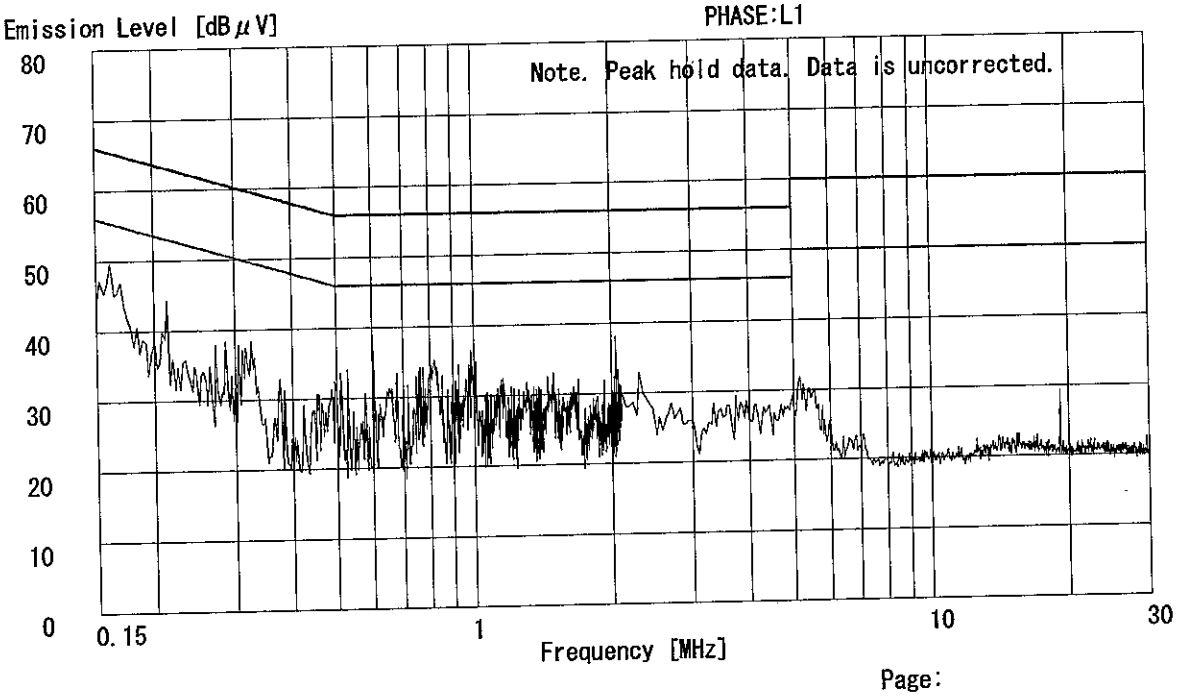
DATA OF CONDUCTION TEST CHART

UL Apex Co.,Ltd.
YAMAKITA No.1 SHIELD TEST ROOM
Report No. : 25BE0339-YK - 1

Applicant	: FUJITSU MEDIA DEVICES LIMITED		
Kind of Equipment	: Wireless LAN SD card		
Model No.	: MBH2WLZ07		
Serial No.	: 1C		
Power	: DC3.3V (AC120V/60Hz)		
Mode	: Transmitting 11CH (2462MHz)		
Remarks	:		
Date	: 10/21/2004		
Phase	: Single Phase		
Temperature	: 20 ℃	Engineer	: Makoto Hosaka
Humidity	: 70 %		
Regulation 1	: FCC Part15C §15.207. (CISPR Pub. 22)		
Regulation 2	: None		





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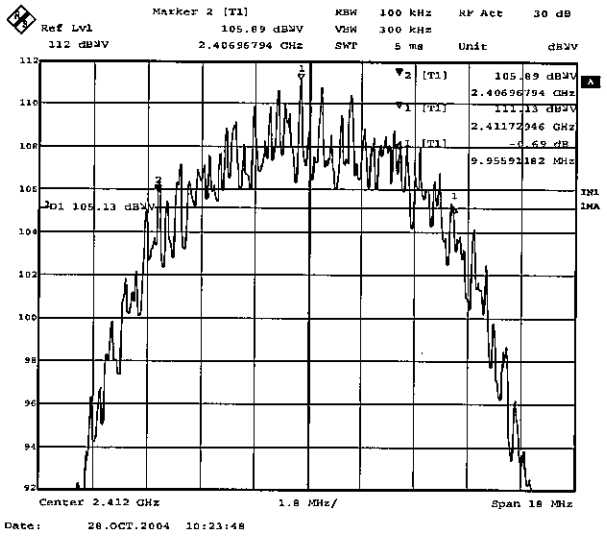
6dB Bandwidth: FCC 15.247(a)(2)

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

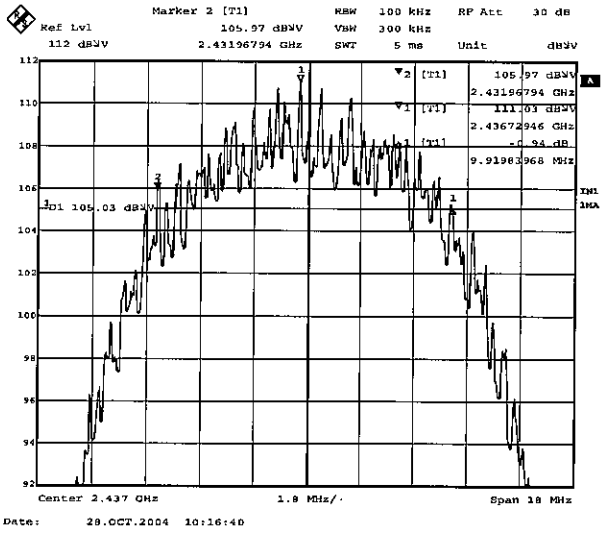
COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(a)(2)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

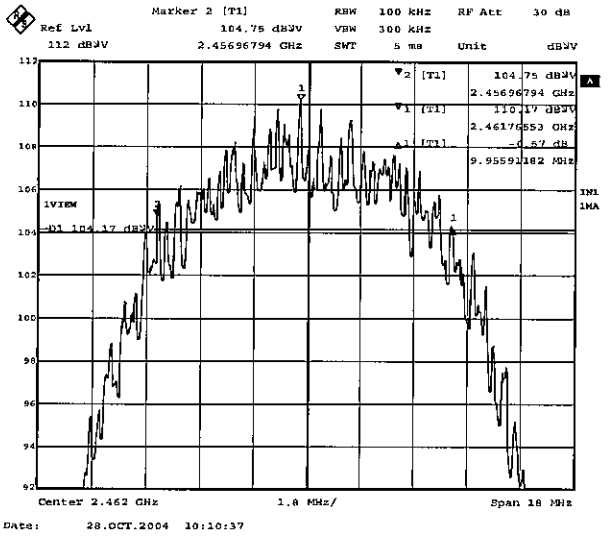
1. ch 1: 2412MHz/6dB Bandwidth:9.96MHz



2. ch 6: 2437MHz/6dB Bandwidth:9.92MHz



3. ch 11: 2462MHz/6dB Bandwidth:9.96MHz



Maximum Peak Conducted Output Power

UL Apex Co.,Ltd
YAMAKITA NO.2 Shielded Room

COMPANY : FUJITSU MEDIA DEVICES LIMITED
EQUIPMENT : Wireless LAN SD card
MODEL NUMBE : MBH2WLZ07
SERIAL NUMBE : 1C
FCC ID : QZIMBH2WLZ07
POWER : DC3.3V(PC:AC120V/60Hz)
TEST MODE : Transmitting

REPORT NO : 25BE0339-YK-1
REGULATION : Fcc Part15SubpartC 247(b)(3)
DATE : 2004/10/28
TEMP./HUMI : 21℃/55%

ENGINEER : Toyokazu Imamura

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	PM Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit (1W) [dBm]	MARGIN [dB]
Low	2412.00	15.17	0.85	16.02	30.0	13.98
Mid	2437.00	15.40	0.85	16.25	30.0	13.75
High	2462.00	15.23	0.85	16.08	30.0	13.92

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No. : 25BE0339-YK - 1

Applicant	:	FUJITSU MEDIA DEVICES LIMITED	
Kind of Equipment	:	Wireless LAN SD card	
Model No.	:	MBH2WLZ07	
Serial No.	:	1C	
Power	:	DC3.3V (AC120V/60Hz)	
Mode	:	Transmitting 1CH (2412MHz)	
Remarks	:		
Date	:	10/21/2004	
Test Distance	:	3 m	
Temperature	:	20 °C	Engineer : Makoto Hosaka
Humidity	:	72 %	
Regulation	:	FCC Part15C §15.209	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	74.99	BB	31.5	43.5	6.2	28.4	2.2	6.0	17.5	29.5	40.0	22.5	10.5
2.	124.98	BB	28.5	30.0	13.1	28.4	2.9	6.1	22.2	23.7	43.5	21.3	19.8
3.	149.97	BB	28.9	27.8	14.7	28.3	3.2	6.1	24.6	23.5	43.5	18.9	20.0
4.	210.85	BB	31.7	27.6	16.6	28.0	3.9	6.1	30.3	26.2	43.5	13.2	17.3
5.	374.91	BB	35.6	33.5	16.8	28.5	5.4	6.1	35.4	33.3	46.0	10.6	12.7
6.	497.63	BB	42.0	41.3	18.8	29.2	6.4	6.1	44.1	43.4	46.0	1.9	2.6

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KBA-01(BBA9106)30-299.99MHz/KLA-01(USLP9143)300-1000MHz
■CABLE:KCC-10/11/12/13/18■PREAMP:KAF-01(8447D)■EMI RECEIVER:KTR-02(ESCS30)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No. : 25BE0339-YK - 1

Applicant	:	FUJITSU MEDIA DEVICES LIMITED	
Kind of Equipment	:	Wireless LAN SD card	
Model No.	:	MBH2WLZ07	
Serial No.	:	1C	
Power	:	DC3.3V (AC120V/60Hz)	
Mode	:	Transmitting 6CH (2437MHz)	
Remarks	:		
Date	:	10/21/2004	
Test Distance	:	3 m	
Temperature	:	20 °C	Engineer : Makoto Hosaka
Humidity	:	72 %	
Regulation	:	FCC Part15C §15.209	

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	74.99	BB	31.9	43.2	6.2	28.4	2.2	6.0	17.9	29.2	40.0	22.1	10.8
2.	124.98	BB	28.8	29.5	13.1	28.4	2.9	6.1	22.5	23.2	43.5	21.0	20.3
3.	149.97	BB	29.9	27.4	14.7	28.3	3.2	6.1	25.6	23.1	43.5	17.9	20.4
4.	210.85	BB	31.7	28.0	16.6	28.0	3.9	6.1	30.3	26.6	43.5	13.2	16.9
5.	374.93	BB	35.9	34.1	16.8	28.5	5.4	6.1	35.7	33.9	46.0	10.3	12.1
6.	497.64	BB	41.4	41.0	18.8	29.2	6.4	6.1	43.5	43.1	46.0	2.5	2.9

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KBA-01(BBA9106)30-299.99MHz/KLA-01(USLP9143)300-1000MHz
■CABLE:KCC-10/11/12/13/18■PREAMP:KAF-01(8447D)■EMI RECEIVER:KTR-02(ESCS30)

Page:

DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No.: 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 11CH (2462MHz)
Remarks :
Date : 10/21/2004
Test Distance : 3 m
Temperature : 20 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	74.99	BB	32.0	44.1	6.2	28.4	2.2	6.0	18.0	30.1	40.0	22.0	9.9
2.	124.98	BB	29.6	29.8	13.1	28.4	2.9	6.1	23.3	23.5	43.5	20.2	20.0
3.	149.97	BB	30.4	27.8	14.7	28.3	3.2	6.1	26.1	23.5	43.5	17.4	20.0
4.	210.85	BB	31.7	27.6	16.6	28.0	3.9	6.1	30.3	26.2	43.5	13.2	17.3
5.	374.93	BB	35.8	34.5	16.8	28.5	5.4	6.1	35.6	34.3	46.0	10.4	11.7
6.	497.64	BB	41.5	41.4	18.8	29.2	6.4	6.1	43.6	43.5	46.0	2.4	2.5

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KBA-01(BBA9106)30-299.99MHz/KLA-01(USLP9143)300-1000MHz
■CABLE:KCC-10/11/12/13/18■PREAMP:KAF-01(8447D)■EMI RECEIVER:KTR-02(ESCS30)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No. : 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 1CH (2412MHz)
Remarks : PK
Date : 10/20/2004
Test Distance : 3 m
Temperature : 18 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	46.0	45.1	31.5	37.5	4.3	10.1	54.4	53.5	74.0	19.6	20.5
2.	4824.00	BB	57.7	59.5	35.4	37.0	5.5	0.6	62.2	64.0	74.0	11.8	10.0
3.	7236.00	BB	48.4	47.7	37.9	37.0	6.5	0.3	56.1	55.4	74.0	17.9	18.6
4.	9648.00	BB	41.8	41.5	39.0	37.1	6.9	1.0	51.6	51.3	74.0	22.4	22.7
5.	12060.00	BB	41.7	40.6	43.2	36.1	7.9	0.4	57.1	56.0	74.0	16.9	18.0
6.	14472.00	BB	41.2	40.5	41.5	35.0	8.3	0.6	56.6	55.9	74.0	17.4	18.1
7.	16884.00	BB	43.2	42.4	42.5	34.7	9.1	0.9	61.0	60.2	74.0	13.0	13.8
8.	19296.00	BB	42.3	42.5	40.3	34.4	9.6	0.0	57.8	58.0	74.0	16.2	16.0
9.	21708.00	BB	41.9	41.8	39.1	34.5	10.1	0.0	56.6	56.5	74.0	17.4	17.5
10.	24120.00	BB	43.7	43.7	39.9	34.1	10.5	0.0	60.0	60.0	74.0	14.0	14.0

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KHA-01(SAS-200 571)1-18GHz/KHA-03(3160-09)18-26GHz
■CABLE:KCC-D3/D7■PREAMP:KAF-02(8449B)■SPECTRUM ANALYZER:KSA-01(R3271A)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No.: 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 1CH (2412MHz)
Remarks : AV
Date : 10/20/2004
Test Distance : 3 m
Temperature : 18 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209(AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2390.00	BB	37.5	35.0	31.5	37.5	4.3	10.1	45.9	43.4	54.0	8.1	10.6
2.	4824.00	BB	46.5	49.0	35.4	37.0	5.5	0.6	51.0	53.5	54.0	3.0	0.5
3.	7236.00	BB	36.8	34.6	37.9	37.0	6.5	0.3	44.5	42.3	54.0	9.5	11.7
4.	9648.00	BB	31.2	32.4	39.0	37.1	6.9	1.0	41.0	42.2	54.0	13.0	11.8
5.	12060.00	BB	31.7	32.0	43.2	36.1	7.9	0.4	47.1	47.4	54.0	6.9	6.6
6.	14472.00	BB	31.3	31.5	41.5	35.0	8.3	0.6	46.7	46.9	54.0	7.3	7.1
7.	16884.00	BB	32.5	32.4	42.5	34.7	9.1	0.9	50.3	50.2	54.0	3.7	3.8
8.	19296.00	BB	32.8	32.8	40.3	34.4	9.6	0.0	48.3	48.3	54.0	5.7	5.7
9.	21708.00	BB	32.7	32.6	39.1	34.5	10.1	0.0	47.4	47.3	54.0	6.6	6.7
10.	24120.00	BB	34.6	34.5	39.9	34.1	10.5	0.0	50.9	50.8	54.0	3.1	3.2

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KHA-01(SAS-200 571)1-18GHz/KHA-03(3160-09)18-26GHz
■CABLE:KCC-D3/D7■PREAMP:KAF-02(8449B)■SPECTRUM ANALYZER:KSA-01(R3271A)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No.: 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 6CH (2437MHz)
Remarks : PK
Date : 10/20/2004
Test Distance : 3 m
Temperature : 18 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	4874.00	BB	56.0	54.5	35.7	37.0	5.5	0.6	60.8	59.3	74.0	13.2	14.7
2.	7311.00	BB	43.2	44.1	38.0	37.0	6.6	0.3	51.1	52.0	74.0	22.9	22.0
3.	9748.00	BB	42.0	41.3	39.0	37.1	6.9	1.0	51.8	51.1	74.0	22.2	22.9
4.	12185.00	BB	40.4	42.3	43.4	35.9	7.9	0.4	56.2	58.1	74.0	17.8	15.9
5.	14622.00	BB	40.5	41.6	42.3	35.1	8.4	0.6	56.7	57.8	74.0	17.3	16.2
6.	17059.00	BB	41.4	41.4	42.6	34.5	9.1	0.9	59.5	59.5	74.0	14.5	14.5
7.	19496.00	BB	42.5	42.6	39.9	34.5	9.9	0.0	57.8	57.9	74.0	16.2	16.1
8.	21933.00	BB	43.6	42.5	39.2	34.3	10.2	0.0	58.7	57.6	74.0	15.3	16.4
9.	24370.00	BB	43.9	43.9	40.2	34.1	10.6	0.0	60.6	60.6	74.0	13.4	13.4

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KHA-01(SAS-200 571)1-18GHz/KHA-03(3160-09)18-26GHz
■CABLE:KCC-D3/D7■PREAMP:KAF-02(8449B)■SPECTRUM ANALYZER:KSA-01(R3271A)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No. : 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 6CH (2437MHz)
Remarks : AV
Date : 10/20/2004
Test Distance : 3 m
Temperature : 18 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209(AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	4874.00	BB	45.2	43.9	35.7	37.0	5.5	0.6	50.0	48.7	54.0	4.0	5.3
2.	7311.00	BB	35.3	35.4	38.0	37.0	6.6	0.3	43.2	43.3	54.0	10.8	10.7
3.	9748.00	BB	31.3	32.1	39.0	37.1	6.9	1.0	41.1	41.9	54.0	12.9	12.1
4.	12185.00	BB	31.0	31.6	43.4	35.9	7.9	0.4	46.8	47.4	54.0	7.2	6.6
5.	14622.00	BB	31.3	31.5	42.3	35.1	8.4	0.6	47.5	47.7	54.0	6.5	6.3
6.	17059.00	BB	31.0	31.2	42.6	34.5	9.1	0.9	49.1	49.3	54.0	4.9	4.7
7.	19496.00	BB	33.1	33.1	39.9	34.5	9.9	0.0	48.4	48.4	54.0	5.6	5.6
8.	21933.00	BB	33.3	33.4	39.2	34.3	10.2	0.0	48.4	48.5	54.0	5.6	5.5
9.	24370.00	BB	34.7	34.4	40.2	34.1	10.6	0.0	51.4	51.1	54.0	2.6	2.9

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KHA-01(SAS-200 571)1-18GHz/KHA-03(3160-09)18-26GHz
■CABLE:KCC-D3/D7■PREAMP:KAF-02(8449B)■SPECTRUM ANALYZER:KSA-01(R3271A)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No.: 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 11CH (2462MHz)
Remarks : PK
Date : 10/20/2004
Test Distance : 3 m
Temperature : 18 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209(PK Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	43.6	42.0	32.0	37.6	4.4	10.1	52.5	50.9	74.0	21.5	23.1
2.	4924.00	BB	53.5	52.0	36.0	37.0	5.5	0.7	58.7	57.2	74.0	15.3	16.8
3.	7386.00	BB	43.8	42.7	38.2	37.1	6.6	0.4	51.9	50.8	74.0	22.1	23.2
4.	9848.00	BB	42.0	41.3	39.0	37.1	7.0	1.1	52.0	51.3	74.0	22.0	22.7
5.	12310.00	BB	41.0	40.4	43.5	35.7	7.8	0.5	57.1	56.5	74.0	16.9	17.5
6.	14772.00	BB	40.6	40.5	43.1	35.2	8.5	0.6	57.6	57.5	74.0	16.4	16.5
7.	17234.00	BB	41.4	41.0	42.8	34.6	9.1	0.6	59.3	58.9	74.0	14.7	15.1
8.	19696.00	BB	42.0	43.6	39.9	34.7	9.9	0.0	57.1	58.7	74.0	16.9	15.3
9.	22158.00	BB	43.2	44.8	39.6	34.2	10.2	0.0	58.8	60.4	74.0	15.2	13.6
10.	24620.00	BB	44.8	44.9	40.3	34.0	10.8	0.0	61.9	62.0	74.0	12.1	12.0

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KHA-01(SAS-200 571)1-18GHz/KHA-03(3160-09)18-26GHz
■CABLE:KCC-D3/D7■PREAMP:KAF-02(8449B) ■SPECTRUM ANALYZER:KSA-01(R3271A)

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DATA OF RADIATION TEST

UL Apex Co.,Ltd.
Yamakita No.1 Open Test Site
Report No.: 25BE0339-YK - 1

Applicant : FUJITSU MEDIA DEVICES LIMITED
Kind of Equipment : Wireless LAN SD card
Model No. : MBH2WLZ07
Serial No. : 1C
Power : DC3.3V (AC120V/60Hz)
Mode : Transmitting 11CH (2462MHz)
Remarks : AV
Date : 10/20/2004
Test Distance : 3 m
Temperature : 18 ℃ Engineer : Makoto Hosaka
Humidity : 72 %
Regulation : FCC Part15C §15.209(AV Detection)

No.	FREQ. [MHz]	ANT TYPE	READING HOR [dBμV]	READING VER [dBμV]	ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT HOR [dBμV/m]	RESULT VER [dBμV/m]	LIMITS [dBμV/m]	MARGIN HOR [dB]	MARGIN VER [dB]
1.	2483.50	BB	34.6	32.6	32.0	37.6	4.4	10.1	43.5	41.5	54.0	10.5	12.5
2.	4924.00	BB	41.8	41.0	36.0	37.0	5.5	0.7	47.0	46.2	54.0	7.0	7.8
3.	7386.00	BB	32.5	31.5	38.2	37.1	6.6	0.4	40.6	39.6	54.0	13.4	14.4
4.	9848.00	BB	32.4	32.2	39.0	37.1	7.0	1.1	42.4	42.2	54.0	11.6	11.8
5.	12310.00	BB	31.3	31.4	43.5	35.7	7.8	0.5	47.4	47.5	54.0	6.6	6.5
6.	14772.00	BB	31.9	31.8	43.1	35.2	8.5	0.6	48.9	48.8	54.0	5.1	5.2
7.	17234.00	BB	32.1	32.3	42.8	34.6	9.1	0.6	50.0	50.2	54.0	4.0	3.8
8.	19696.00	BB	32.9	33.1	39.9	34.7	9.9	0.0	48.0	48.2	54.0	6.0	5.8
9.	22158.00	BB	34.7	34.8	39.6	34.2	10.2	0.0	50.3	50.4	54.0	3.7	3.6
10.	24620.00	BB	35.1	35.6	40.3	34.0	10.8	0.0	52.2	52.7	54.0	1.8	1.3

CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KHA-01(SAS-200 571)1-18GHz/KHA-03(3160-09)18-26GHz
■CABLE:KCC-D3/D7■PREAMP:KAF-02(8449B)■SPECTRUM ANALYZER:KSA-01(R3271A)

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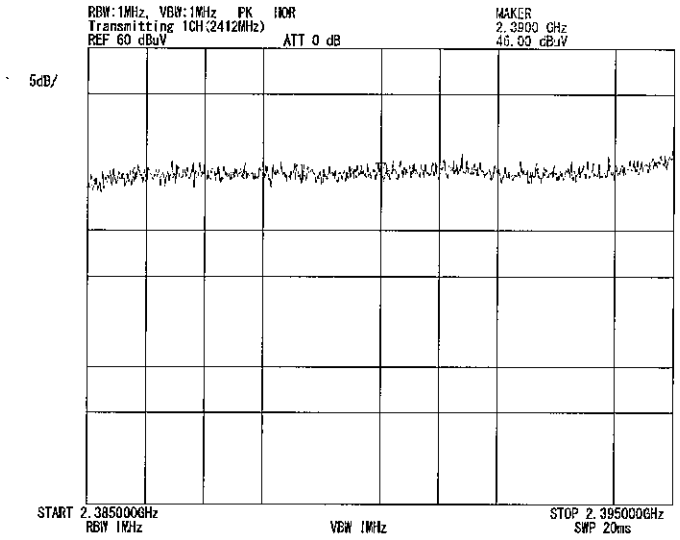
Restricted band edges: FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: BH2WLZ07	DATE	: 2004/10/20
SERIAL NUMBER	: 1C	TEMP./HUMI	: 18℃/72%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Makoto Hosaka

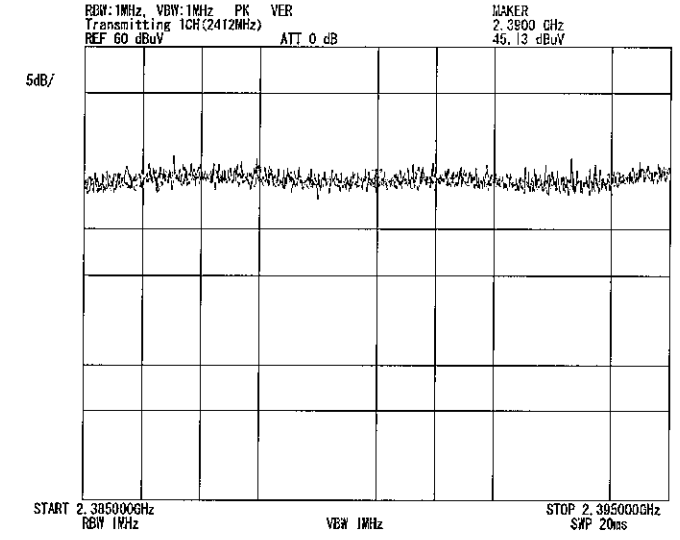
[IEEE802.11b(11Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/PK



2. Vertical/PK



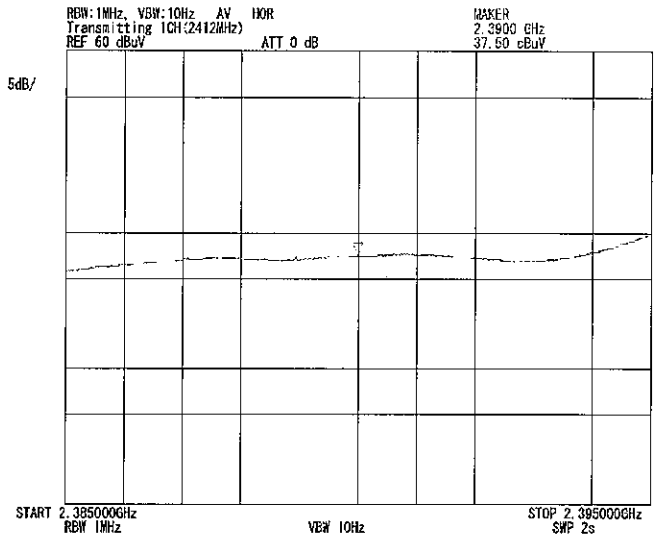
Restricted band edges: FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: BH2WLZ07	DATE	: 2004/10/20
SERIAL NUMBER	: 1C	TEMP./HUMI	: 18℃/72%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Makoto Hosaka

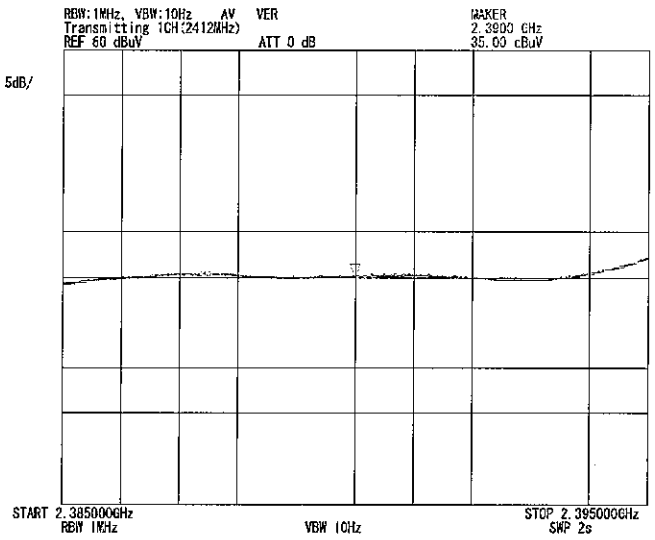
[IEEE802.11b(11Mbps)]

2.39GHz(CH1:2412MHz)

1. Horizontal/AV



2. Vertical/AV



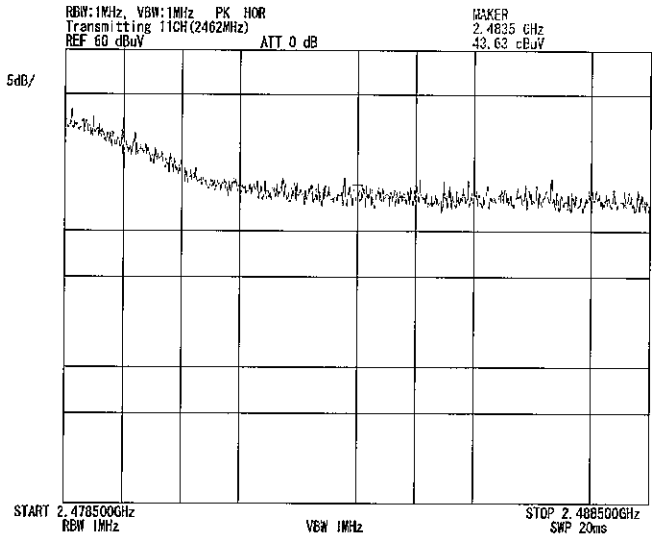
Restricted band edges: FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: BH2WLZ07	DATE	: 2004/10/20
SERIAL NUMBER	: 1C	TEMP./HUMI	: 18℃/72%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Makoto Hosaka

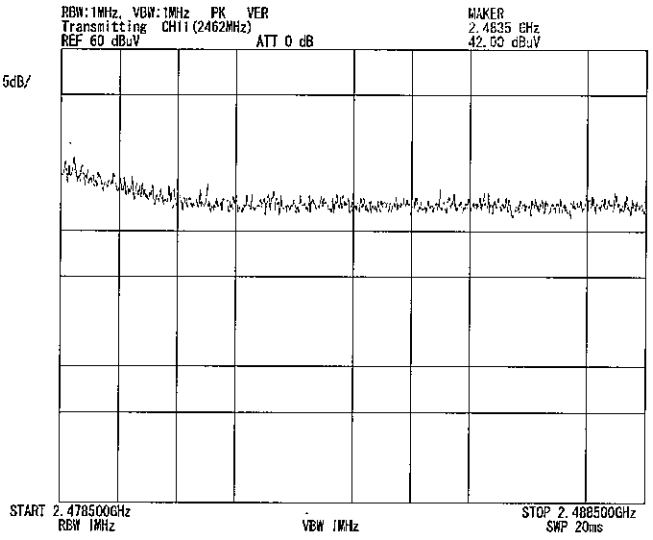
[IEEE802.11b(11Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/PK



2. Vertical/PK



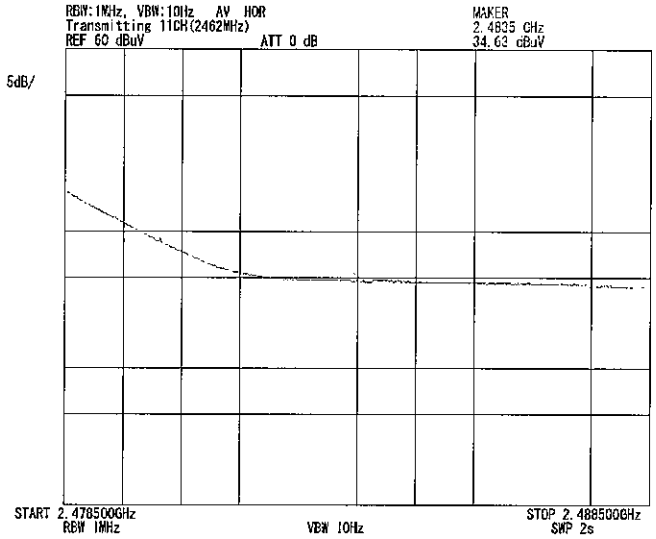
Restricted band edges: FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: BH2WLZ07	DATE	: 2004/10/20
SERIAL NUMBER	: 1C	TEMP./HUMI	: 18℃/72%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Makoto Hosaka

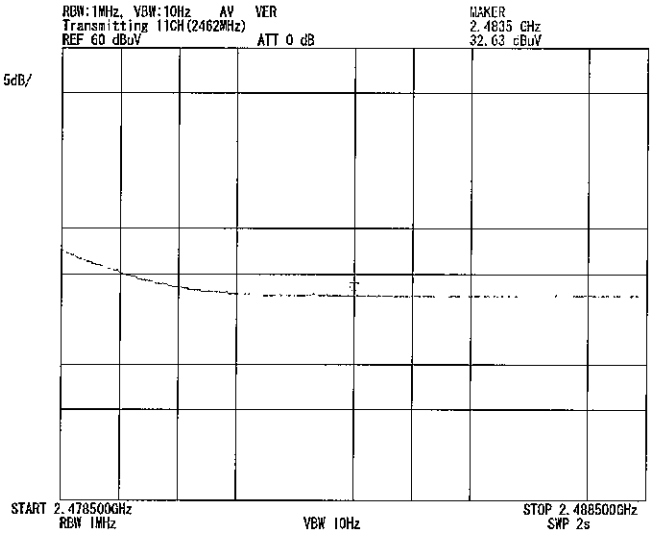
[IEEE802.11b(11Mbps)]

2.4835GHz(CH11:2462MHz)

1. Horizontal/AV



2. Vertical/AV



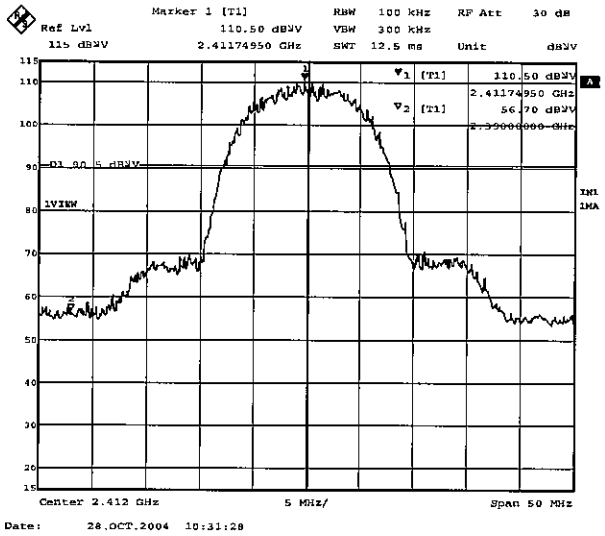
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

Ch1:2412MHz

1.



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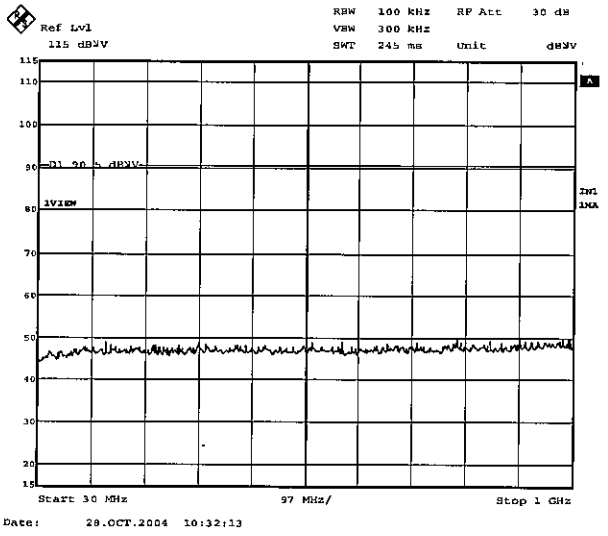
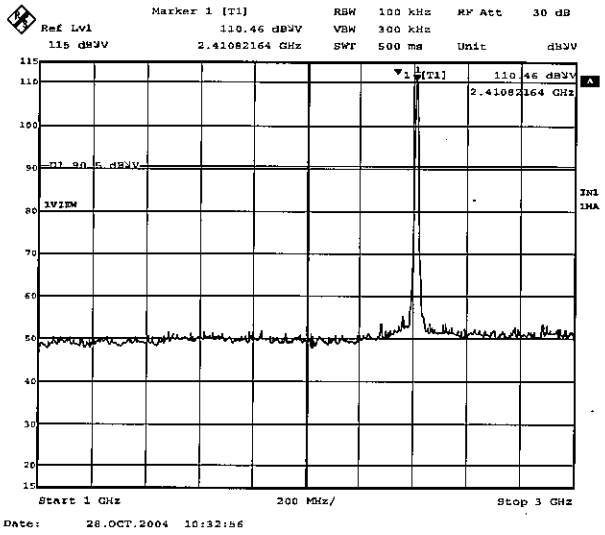


3.



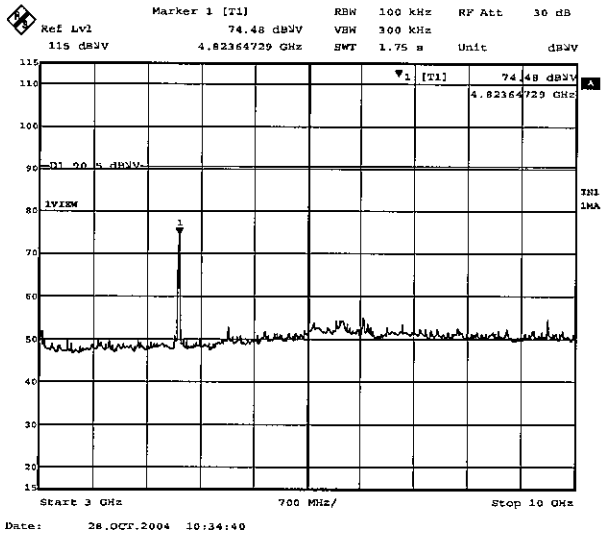
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

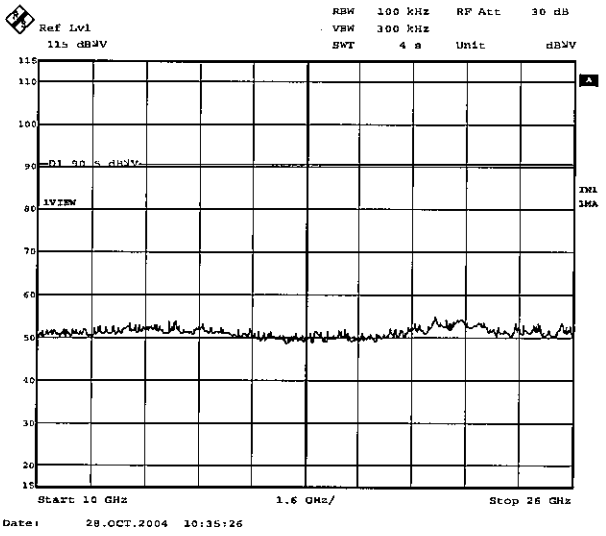
[IEEE802.11b(11Mbps)]

Ch1:2412MHz

4.



5.



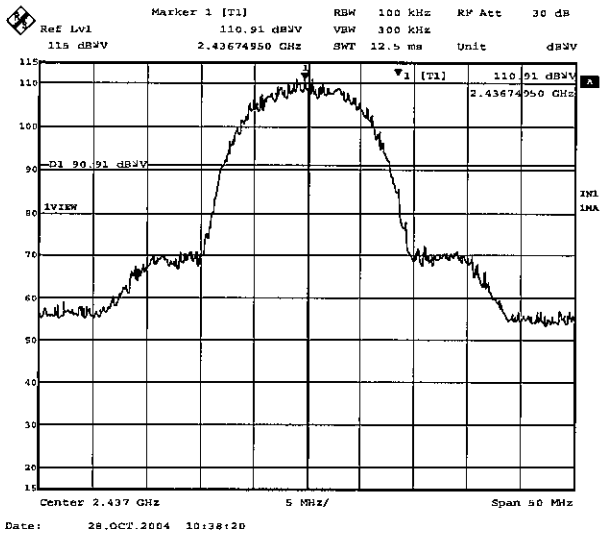
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

Ch6:2437MHz

1.



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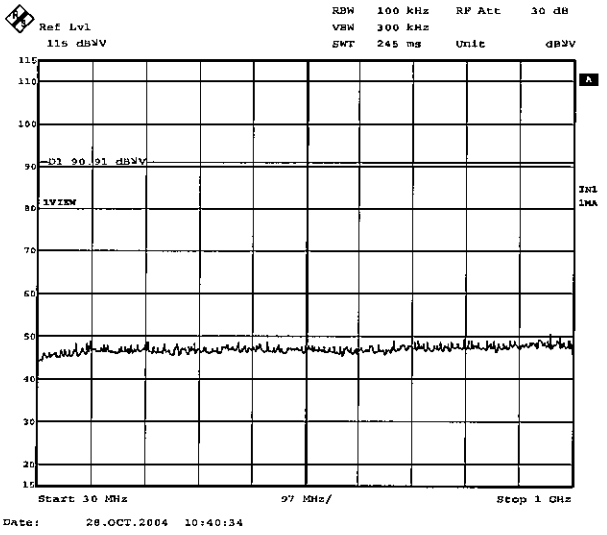

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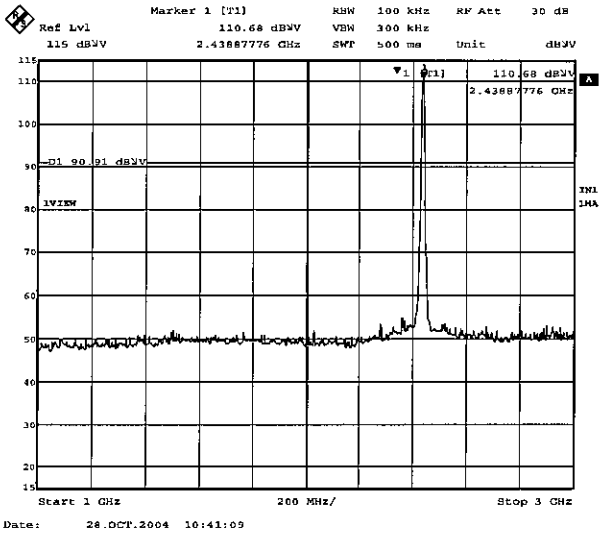


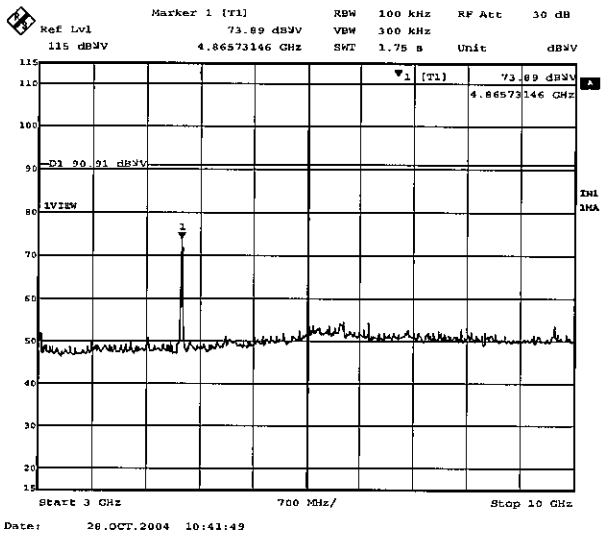
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

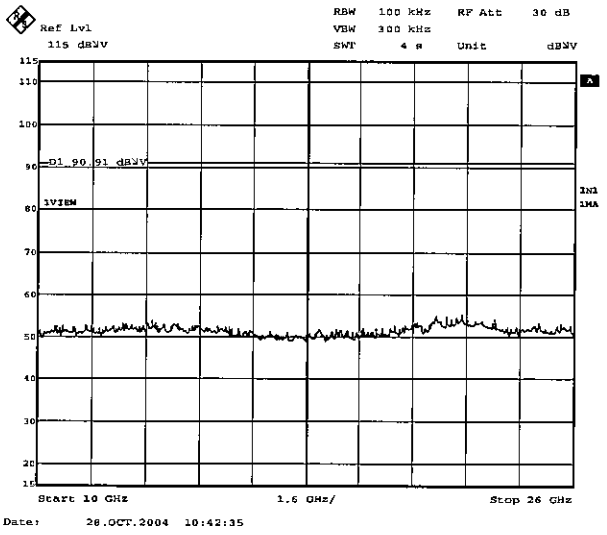
[IEEE802.11b(11Mbps)]

Ch6:2437MHz

4.



5.



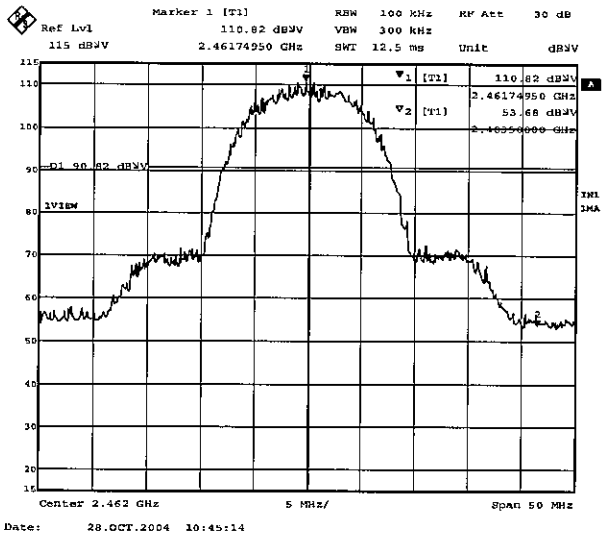
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

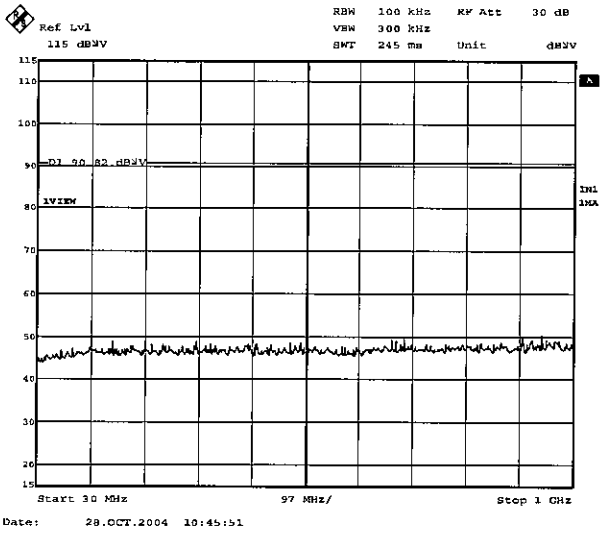
[IEEE802.11b(11Mbps)]

Ch11:2462MHz

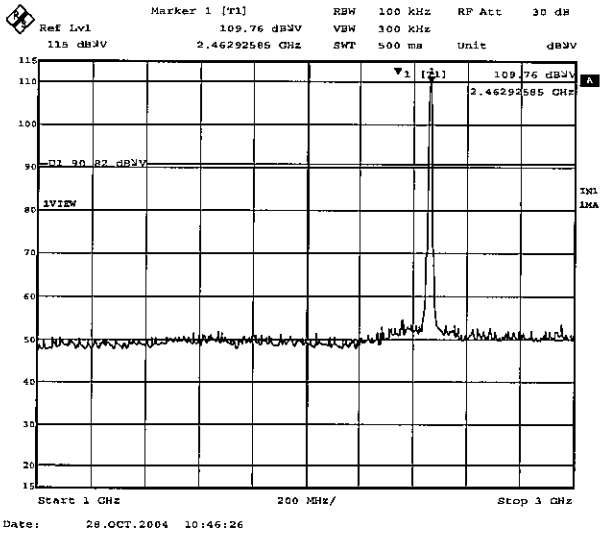
1.



2.



3.



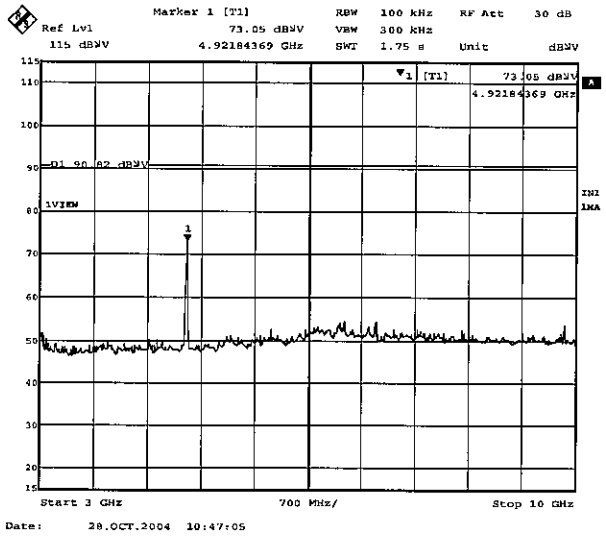
Out of Band Emission(Antenna Terminal Conducted): FCC 15.247(d)

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(d)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

Ch11:2462MHz

4.



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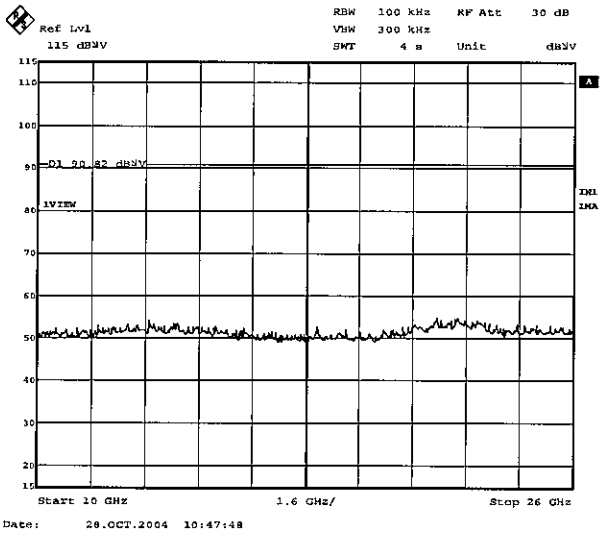


Power Density (Conducted)

UL Apex Co.,Ltd
YAMAKITA NO.2 Shielded Room

COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD card	REGULATION	: Fcc Part15SubpartC 247(e)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07		
POWER	: DC3.3V(PC:AC120V/60Hz)		
TEST MODE	: Transmitting		

ENGINEER : Toyokazu Imamura

IEEE802.11b(11Mbps)

CH	FREQ [GHz]	S/A Reading [dBm]	Cable Loss [dB]	Results [dBm]	Limit [dBm]	MARGIN [dB]
Low	2411.98898	-11.07	0.85	-10.22	8.0	18.2
Mid	2436.99098	-11.22	0.85	-10.37	8.0	18.4
High	2.46198898	-11.37	0.85	-10.52	8.0	18.5

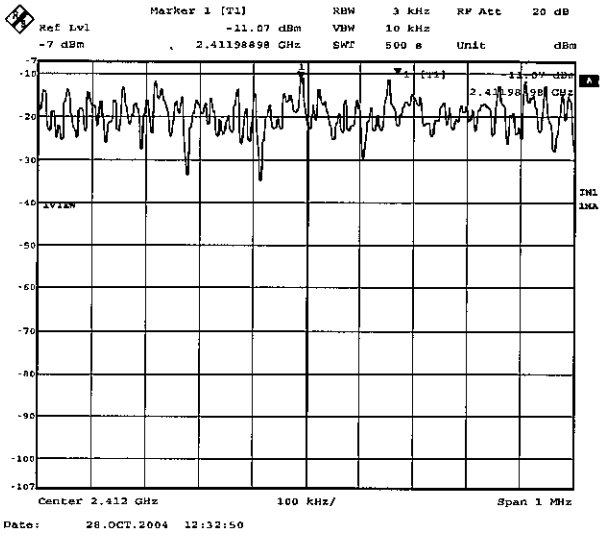
Power Density: FCC 15.247(e)

UL Apex Co.,Ltd. Yamakita No.2 Shielded Room

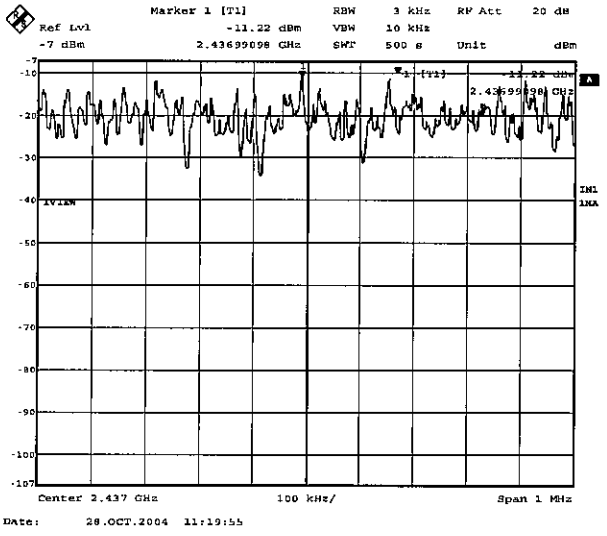
COMPANY	: FUJITSU MEDIA DEVICES LIMITED	REPORT NO	: 25BE0339-YK-1
EQUIPMENT	: Wireless LAN SD Card	REGULATION	: Fcc Part15SubpartC 247(e)
MODEL NUMBER	: MBH2WLZ07	DATE	: 2004/10/28
SERIAL NUMBER	: 1C	TEMP./HUMI	: 21℃/55%
FCC ID	: QZIMBH2WLZ07	TEST MODE	: Transmitting
POWER	: DC3.3V(AC120V/60Hz)	ENGINEER	: Toyokazu Imamura

[IEEE802.11b(11Mbps)]

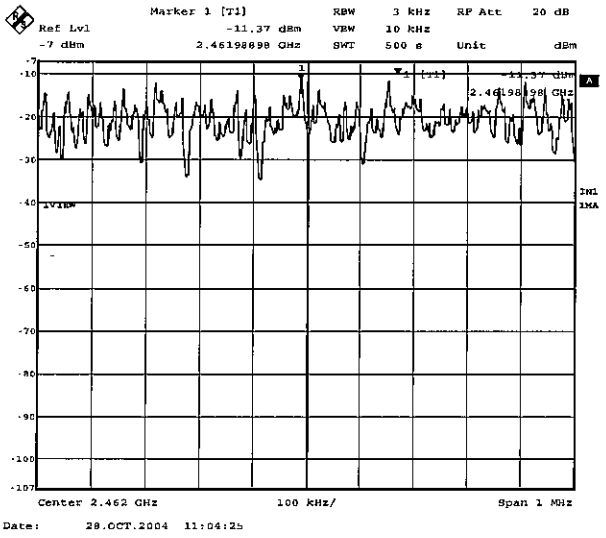
1. ch 1: 2412MHz



2. ch 6: 2437MHz



3. ch 11: 2462MHz



Test Report No :25BE0339-YK-1

APPENDIX 3
Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No.	Test Item	Calibration Date * Interval(month)
KAF-01	Pre Amplifier	Hewlett Packard	8447D	RE	2004/06/25 * 12
KAF-02	Pre Amplifier	Hewlett Packard	8449B	RE	2004/05/07 * 12
KAT10-S1	Attenuator	Agilent	8449D 010	RE	2004/04/15 * 12
KAT6-01	Attenuator	INMET	18N-6dB	RE	2004/04/27 * 12
KBA-01	Biconical Antenna	Schwarzbeck	BBA9106	RE	2004/08/07 * 12
KCC-10/11/12 /13/18	Coaxial Cable	Fujikura/Suhner	8D-2W/12D-SFA/S04272B/S04272B/S04272B	RE	2004/07/10 * 12
KCC-14/15/16 /18/KPL-01	Coaxial Cable/Pulse Limitter	Fujikura/Suhner/PMM	5D-2W/8D-2W/S04272B/S04272B/PL01	CE	2004/07/10 * 12
KCC-D3/D7	Coaxial Cable	Rosenberger/Advantest	2201/JUN-08-01-061	RE	2004/04/15 * 12
KFL-01	Highpass Filter	Hewlett Packard	84300 80038	RE	2004/04/15 * 12
KHA-01	Horn Antenna	A.H.Systems	SAS-200/571	RE	2004/07/30 * 12
KHA-03	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2004/09/25 * 12
KLA-01	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2004/01/31 * 12
KLS-01	LISN(AMN)	Schwarzbeck	NSLK8126	CE (EUT)	2004/09/17 * 12
KOTS-01	Open Test Site	JSE	30m	RE	2004/08/14 * 12
KPM-05	Power meter	Agilent	E4417A	AT	2004/02/26 * 12
KPSS-01	Power sensor	Agilent	E9327A	AT	2004/03/02 * 12
KSA-01	Spectrum Analyzer	Advantest	R3365	CE/RE	2004/07/06 * 12
KSA-04	Spectrum Analyzer	Advantest	R3271A	RE	2004/09/15 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	AT	2004/07/28 * 12
KTR-02	Test Receiver	Rohde & Schwarz	ESCS30	CE/RE	2003/12/02 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
Test Item :
CE: Conducted emission test,
RE: Radiated emission test,
AT: Antenna terminal conducted test