# DATA OF CONDUCTION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No.: 28HE0080-YK-01-A

Applicant : RICOH COMPANY, LTD.
Kind of Equipment : Full color MFP
Model No. : Aficio MP C2550
Serial No. : V2401000028
Power : AC120V/60Hz
Mode : Transmitting (13.56MHz)
Remarks :
Date : 6/26/2008
Phase : Single Phase
Temperature : 22 ℃ Engineer : Tatsuya Arai
Humidity : 68 %
Regulation : FCC Part15C §15.207.(CISPR Pub.22 )

| No. | FREQ. | READING(N) | | READING(L1) | | LISN | CABLE | ATTEN. | RESULT | | LIMITS | | MARGIN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | QP | AV | QP | AV | FACTOR | LOSS | | QP | AV | QP | AV | QP | AV |
| | [MHz] | [dBμV] | | [dBμV] | | [dB] | [dB] | [dB] | [dB] | | [dBμV] | | [dB] | |
| 1. | 0.1500 | 51.2 | 22.6 | 57.3 | 20.9 | 0.2 | 0.1 | 0.0 | 57.6 | 22.9 | 66.0 | 56.0 | 8.4 | 33.1 |
| 2. | 0.2593 | 50.9 | 44.9 | 47.9 | 44.7 | 0.1 | 0.1 | 0.0 | 51.1 | 45.1 | 61.5 | 51.5 | 10.4 | 6.4 |
| 3. | 0.3893 | 36.2 | 27.9 | 36.3 | 31.8 | 0.1 | 0.1 | 0.0 | 36.5 | 32.0 | 58.1 | 48.1 | 21.6 | 16.1 |
| 4. | 0.9081 | 29.2 | - | 31.3 | - | 0.1 | 0.1 | 0.0 | 31.5 | - | 56.0 | 46.0 | 24.5 | - |
| 5. | 2.2079 | 35.3 | - | 32.6 | - | 0.1 | 0.2 | 0.0 | 35.6 | - | 56.0 | 46.0 | 20.4 | - |
| 6. | 4.5444 | 38.0 | 35.6 | 32.1 | 30.5 | 0.2 | 0.2 | 0.0 | 38.4 | 36.0 | 56.0 | 46.0 | 17.6 | 10.0 |
| 7. | 7.2706 | 52.3 | 47.0 | 50.5 | 45.3 | 0.3 | 0.3 | 0.0 | 52.9 | 47.6 | 60.0 | 50.0 | 7.1 | 2.4 |
| 8. | 13.5600 | 30.0 | - | 26.2 | - | 0.4 | 0.6 | 0.0 | 31.0 | - | 60.0 | 50.0 | 29.0 | - |
| 9. | 27.1200 | 46.9 | 46.1 | 46.7 | 46.1 | 0.9 | 1.1 | 0.0 | 48.9 | 48.1 | 60.0 | 50.0 | 11.1 | 1.9 |

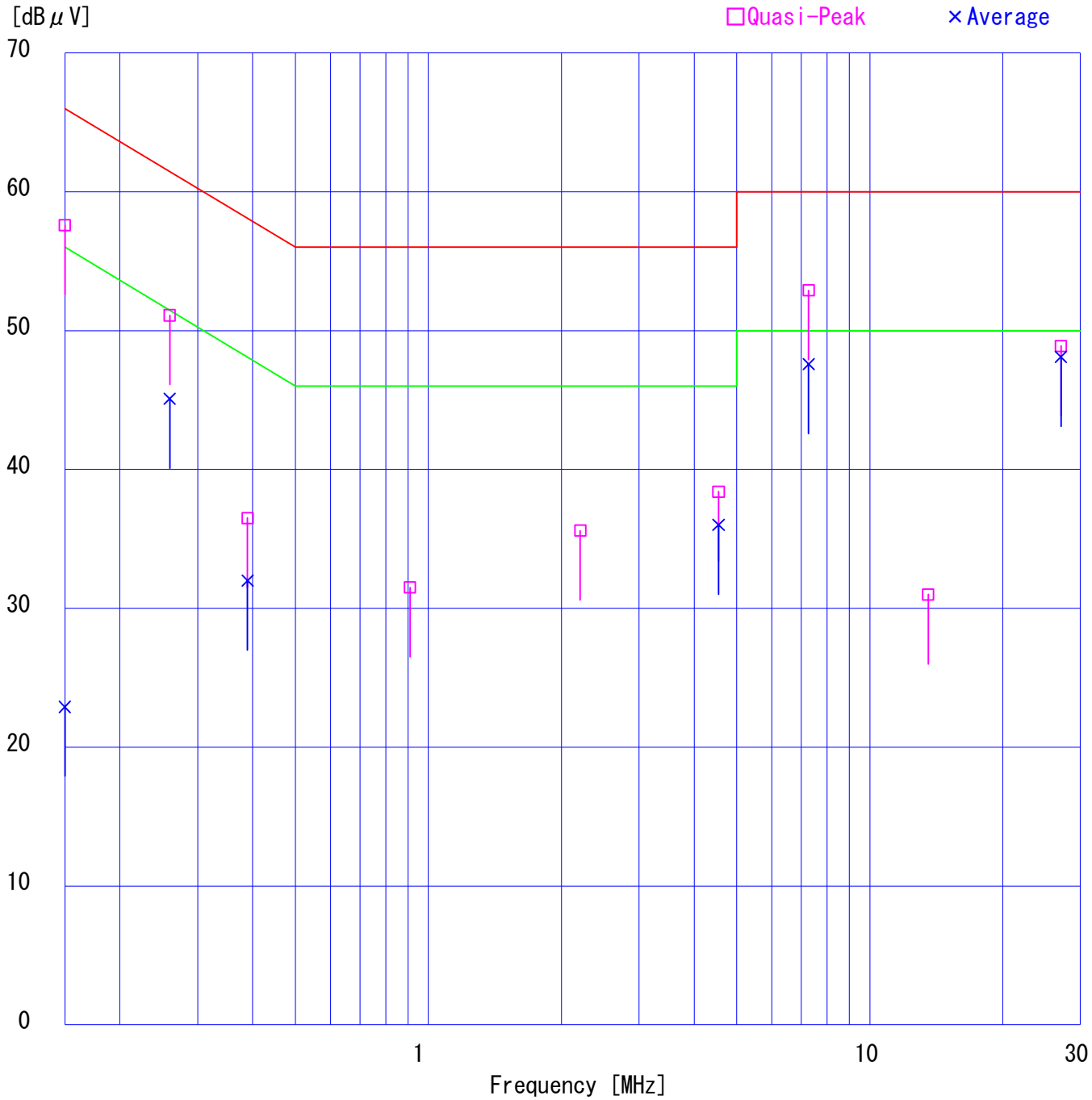
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■LISN:KLS-03(NSLK8129) ■COAXIAL CABLE:KCC-33/34
■EMI RECEIVER:KTR-01(ESI40)

# DATA OF CONDUCTION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No.: 28HE0080-YK-01-A

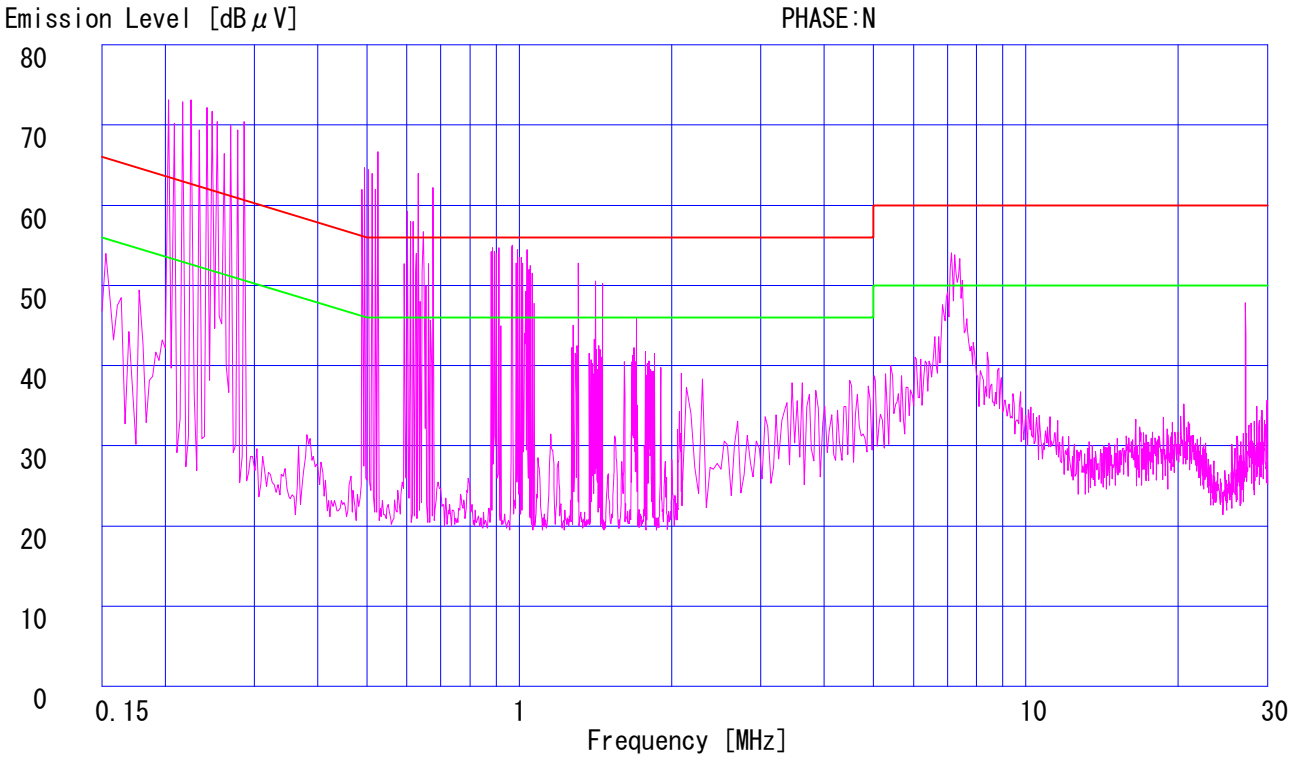
| | | | |
|---|---|---|---|
| Applicant | : RICOH COMPANY, LTD. | | |
| Kind of Equipment | : Full color MFP | | |
| Model No. | : Aficio MP C2550 | | |
| Serial No. | : V2401000028 | | |
| Power | : AC120V/60Hz | | |
| Mode | : Transmitting (13.56MHz) | | |
| Remarks | : | | |
| Date | : 6/26/2008 | | |
| Phase | : Single Phase | | |
| Temperature | : 22 ℃ | Engineer | : Tatsuya Arai |
| Humidity | : 68 % | | |
| Regulation | : FCC Part15C §15.207.(CISPR Pub.22 ) | | |

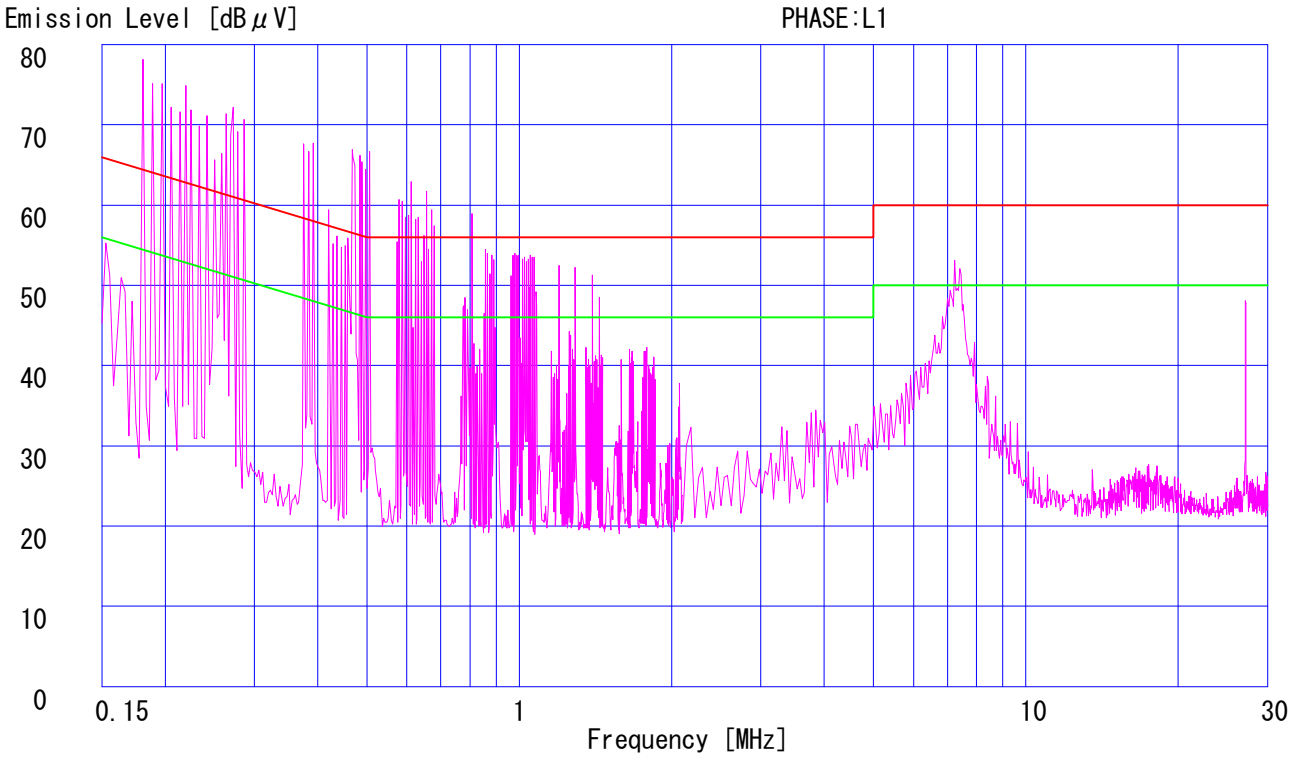


# DATA OF CONDUCTION TEST CHART

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No.: 28HE0080-YK-01-A

| | | | |
|---|---|---|---|
| Applicant | : RICOH COMPANY, LTD. | | |
| Kind of Equipment | : Full color MFP | | |
| Model No. | : Aficio MP C2550 | | |
| Serial No. | : V2401000028 | | |
| Power | : AC120V/60Hz | | |
| Mode | : Transmitting (13.56MHz) | | |
| Remarks | : | | |
| Date | : 6/26/2008 | | |
| Phase | : Single Phase | | |
| Temperature | : 22 ℃ | Engineer | : Tatsuya Arai |
| Humidity | : 68 % | | |
| Regulation 1 | : FCC Part15C §15.207.(CISPR Pub.22 ) | | |
| Regulation 2 | : None | | |



# Data of Field Strength and Outside Fileld Strength: FCC15.225

UL Japan, Inc.
YAMAKITA No1 Anechoic Chamber

| | | | |
|---|---|---|---|
| Company | : RICOH COMPANY, LTD. | Report No. | : 28HE0080-YK-01-A |
| Equipment | : Full-collor MFP | Regulation | : FCC Part15 SupartC 15.225 |
| Model | : Aficio MP C2550 | Test Distance | : 3m |
| Sample No. | : V2401000028 | Date | : 2008/06/26 |
| Power | : AC120V/60Hz | Temperature | : 22deg.C |
| Mode | : Transmitting (13.56MHz) | Humidity | : 68% |

ENGINEER : Tatsuya Arai

**Field strength**

| No. | FREQ | T/R Reading | | ANT Factor | ATTEN | CABLE LOSS | AMP GAIN | RESULT | | LIMIT (3m) | MARGIN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hor | Ver | | | | | Hor | Ver | | Hor | Ver |
| | [MHz] | [dBuV] | [dBuV] | [dB] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] |
| 1 | 13.560 | 44.6 | 40.5 | 19.7 | 6.0 | 0.7 | 28.4 | 42.6 | 38.5 | 124.0 | 81.4 | 85.5 |

Field strength of 13.553MHz to 13.567MHz Limit(3m) = 84dBuV/m + 40log 30m/3m
= 124dBuV/m (FCC15.225(a))

**Outside Field strength**

| No. | FREQ | T/R Reading | | ANT Factor | ATTEN | CABLE LOSS | AMP GAIN | RESULT | | LIMIT (3m) | MARGIN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hor | Ver | | | | | Hor | Ver | | Hor | Ver |
| | [MHz] | [dBuV] | [dBuV] | [dB] | [dB] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dBuV/m] | [dB] | [dB] |
| 1 | 13.110 | 41.2 | 39.0 | 19.7 | 6.0 | 0.7 | 28.4 | 39.2 | 37.0 | 69.5 | 30.3 | 32.5 |
| 2 | 13.410 | 24.1 | 26.4 | 19.7 | 6.0 | 0.7 | 28.4 | 22.1 | 24.4 | 80.5 | 58.4 | 56.1 |
| 3 | 13.553 | 30.3 | 29.4 | 19.7 | 6.0 | 0.7 | 28.4 | 28.3 | 27.4 | 90.5 | 62.2 | 63.1 |
| 4 | 13.567 | 29.4 | 28.5 | 19.7 | 6.0 | 0.7 | 28.4 | 27.4 | 26.5 | 90.5 | 63.1 | 64.0 |
| 5 | 13.710 | 23.5 | 26.2 | 19.8 | 6.0 | 0.7 | 28.4 | 21.6 | 24.3 | 80.5 | 58.9 | 56.2 |
| 6 | 14.010 | 22.3 | 26.1 | 19.8 | 6.0 | 0.7 | 28.4 | 20.4 | 24.2 | 69.5 | 49.1 | 45.3 |

Outside filed strength frequencies
・filed strength band Fc±7kHz:13.553MHz to 13.567MHz
・Outside filde strength Fc±150kHz:13.410MHz to 13.710MHz
・Outside filde strength Fc±450kHz:13.110MHz to 14.010MHz
Fc = 13.56MHz

Limits (3m)
・13.410MHz to 13.553MHz and 13.567MHz to 13.710MHz : 50.5dBuV/m + 40log30m/3m = 90.5dBuV/m (FCC15.225(b))
・13.110MHz to 14.010MHz and 13.710MHz to 14.010MHz : 40.5dBuV/m + 40log30m/3m = 80.5dBuV/m (15.225(c))
・Below 13.110MHz and Above 14.010MHz : 29.5dBuV/m + 40log30m/3m = 69.5dBuV/m (FCC15.225(d)and FCC15.209)

# DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No.: 28HE0080-YK-01-A

Applicant : RICOH COMPANY, LTD.
Kind of Equipment : Full color MFP
Model No. : Aficio MP C2550
Serial No. : V2401000028
Power : AC120V/60Hz
Mode : Transmitting (13.56MHz)
Remarks :
Date : 6/26/2008
Test Distance : 3 m
Temperature : 22 ℃ Engineer : Tatsuya Arai
Humidity : 68 %
Regulation : FCC Part15C §15.209 9KHz-30MHz (3m)

| 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. | 11.55 | BB | 27.7 | 38.0 | 19.5 | 28.5 | 0.7 | 6.0 | 25.4 | 35.7 | 69.5 | 44.1 | 33.8 |
| 2. | 27.12 | BB | 27.8 | 31.3 | 21.4 | 28.4 | 1.0 | 6.0 | 27.8 | 31.3 | 69.5 | 41.7 | 38.2 |

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

■ANTENNA:KLP-01(HFH2-Z2)0.009-30MHz
■CABLE:KCC-30/31/32/34■PREAMP:KAF-05(8447D)■EMI RECEIVER:KTR-01(ESI40)

# DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No.: 28HE0080-YK-01-A

Applicant : RICOH COMPANY, LTD.
Kind of Equipment : Full color MFP
Model No. : Aficio MP C2550
Serial No. : V2401000028
Power : AC120V/60Hz
Mode : Transmitting (13.56MHz)
Remarks :
Date : 6/26/2008
Test Distance : 3 m
Temperature : 22 ℃ Engineer : Tatsuya Arai
Humidity : 68 %
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. | 40.68 | BB | 30.4 | 36.6 | 13.5 | 28.5 | 1.3 | 6.0 | 22.7 | 28.9 | 40.0 | 17.3 | 11.1 |
| 2. | 137.62 | BB | 31.0 | 32.9 | 14.0 | 28.2 | 2.5 | 6.0 | 25.3 | 27.2 | 43.5 | 18.2 | 16.3 |
| 3. | 157.29 | BB | 27.2 | 32.0 | 15.1 | 28.1 | 2.7 | 6.0 | 22.9 | 27.7 | 43.5 | 20.6 | 15.8 |
| 4. | 481.69 | BB | 35.3 | 37.9 | 18.3 | 28.9 | 5.0 | 6.0 | 35.7 | 38.3 | 46.0 | 10.3 | 7.7 |
| 5. | 550.50 | BB | 32.5 | 33.2 | 19.3 | 29.1 | 5.4 | 6.0 | 34.1 | 34.8 | 46.0 | 11.9 | 11.2 |
| 6. | 825.74 | BB | 33.4 | 32.5 | 21.6 | 28.8 | 6.7 | 6.1 | 39.0 | 38.1 | 46.0 | 7.0 | 7.9 |
| 7. | 842.75 | BB | 29.0 | 29.5 | 21.7 | 28.9 | 6.8 | 6.1 | 34.7 | 35.2 | 46.0 | 11.3 | 10.8 |

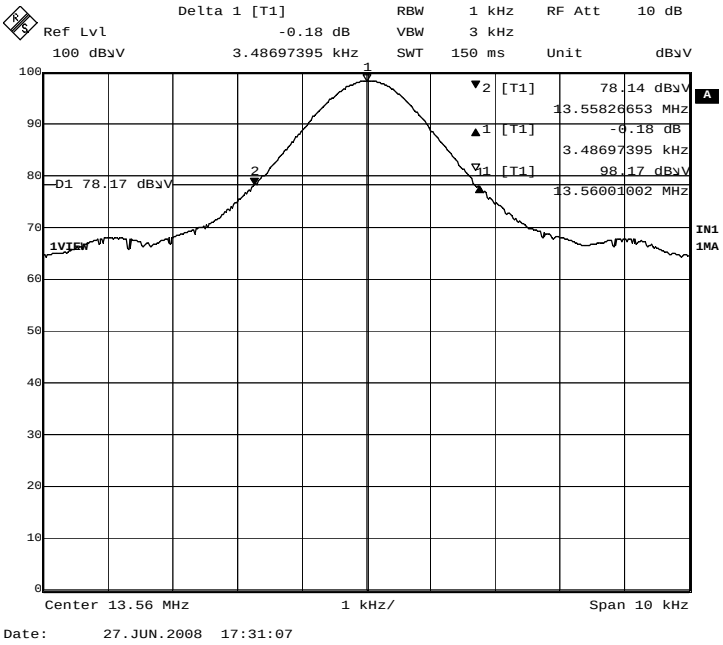
CALCULATION: READING + ANT.FACTOR + CABLE LOSS - AMP.GAIN + ATTEN.

■ANTENNA:KBA-03(BBA9106)30-299.99MHz/KLA-03(USLP9143)300-1000MHz
■CABLE:KCC-30/31/32/34■PREAMP:KAF-05(8447D)■EMI RECEIVER:KTR-01(ESI40)

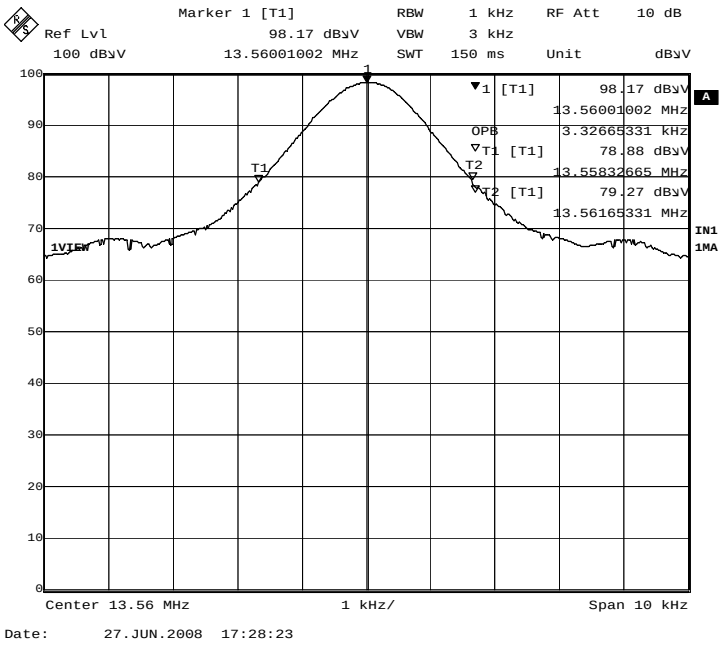
**Bandwidth: FCC 15.215(c)**

| | | | |
|---|---|---|---|
| | | **UL Japan. Inc. Yamakita No4 Shield room** | |
| **COMPANY** | **: RICOH COMPANY, LTD.** | **REPORT No.** | **: 28HE0080-YK-01-A** |
| **Equipment** | **: Full-collor MFP** | **REGULATION** | **: FCC Part15SubpartC 215(c)** |
| **MODEL NUMBER** | **: Aficio MP C2550** | **DATE** | **: 2008/06/27** |
| **SERIAL NUMBER** | **: V2401000028** | **TEMP./HUMI** | **: 26˚C/62%** |
| **POWER** | **: DC5V** | **TEST MODE** | **: Transmitting** |
| | | **ENGINEER** | **: Tatsuya Arai** |

**20dB Bandwidth: 3.487kHz**




**OBW(99%): 3.327kHz**



# Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No4 Shield room

Company : RICOH COMPANY, LTD.
Equipment : Full-collor MFP
Model : Aficio MP C2550
Sample No. : V2401000028
Power : DC5V
Mode : Transmitting (13.56MHz)

Report No. : 28HE0080-YK-01-A
Regulation : FCC Part15 SupartC 15.225 (e)

Date : 2008/6/27
Temperature : 26deg.C
Humidity : 61%

ENGINEER : Tatsuya Arai

**Temperature Variation: -20deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.559906 | -0.000094 | -0.00069 | 0.01 |
| after 2minutes | 13.56 | 13.559916 | -0.000084 | -0.00062 | 0.01 |
| after 5minutes | 13.56 | 13.559916 | -0.000084 | -0.00062 | 0.01 |
| after 10minutes | 13.56 | 13.559916 | -0.000084 | -0.00062 | 0.01 |

**Temperature Variation: -10deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.559989 | -0.000011 | -0.00008 | 0.01 |
| after 2minutes | 13.56 | 13.559994 | -0.000006 | -0.00004 | 0.01 |
| after 5minutes | 13.56 | 13.559994 | -0.000006 | -0.00004 | 0.01 |
| after 10minutes | 13.56 | 13.559994 | -0.000006 | -0.00004 | 0.01 |

**Temperature Variation: 0deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.560031 | 0.000031 | 0.00023 | 0.01 |
| after 2minutes | 13.56 | 13.560032 | 0.000032 | 0.00024 | 0.01 |
| after 5minutes | 13.56 | 13.560032 | 0.000032 | 0.00024 | 0.01 |
| after 10minutes | 13.56 | 13.560032 | 0.000032 | 0.00024 | 0.01 |

**Temperature Variation: 10deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.560041 | 0.000041 | 0.00030 | 0.01 |
| after 2minutes | 13.56 | 13.560042 | 0.000042 | 0.00031 | 0.01 |
| after 5minutes | 13.56 | 13.560041 | 0.000041 | 0.00030 | 0.01 |
| after 10minutes | 13.56 | 13.560041 | 0.000041 | 0.00030 | 0.01 |

# Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No4 Shield room

Company : RICOH COMPANY, LTD.
Equipment : Full-collor MFP
Model : Aficio MP C2550
Sample No. : V2401000028
Power : DC5V
Mode : Transmitting (13.56MHz)

Report No. : 28HE0080-YK-01-A
Regulation : FCC Part15 SupartC 15.225 (e)

Date : 2008/6/27
Temperature : 26deg.C
Humidity : 61%

ENGINEER : Tatsuya Arai

**Temperature Variation: 20deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.560032 | 0.000032 | 0.00024 | 0.01 |
| after 2minutes | 13.56 | 13.560031 | 0.000031 | 0.00023 | 0.01 |
| after 5minutes | 13.56 | 13.56003 | 0.000030 | 0.00022 | 0.01 |
| after 10minutes | 13.56 | 13.56003 | 0.000030 | 0.00022 | 0.01 |

**Temperature Variation: 30deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.560009 | 0.000009 | 0.00007 | 0.01 |
| after 2minutes | 13.56 | 13.560008 | 0.000008 | 0.00006 | 0.01 |
| after 5minutes | 13.56 | 13.560007 | 0.000007 | 0.00005 | 0.01 |
| after 10minutes | 13.56 | 13.560007 | 0.000007 | 0.00005 | 0.01 |

**Temperature Variation: 40deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.559988 | -0.000012 | -0.00009 | 0.01 |
| after 2minutes | 13.56 | 13.559986 | -0.000014 | -0.00010 | 0.01 |
| after 5minutes | 13.56 | 13.559986 | -0.000014 | -0.00010 | 0.01 |
| after 10minutes | 13.56 | 13.559985 | -0.000015 | -0.00011 | 0.01 |

**Temperature Variation: 50deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.559972 | -0.000028 | -0.00021 | 0.01 |
| after 2minutes | 13.56 | 13.559971 | -0.000029 | -0.00021 | 0.01 |
| after 5minutes | 13.56 | 13.559971 | -0.000029 | -0.00021 | 0.01 |
| after 10minutes | 13.56 | 13.559971 | -0.000029 | -0.00021 | 0.01 |

# Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No.4 Shield room

| | | | |
|---|---|---|---|
| Company | : RICOH COMPANY, LTD. | Report No. | : 28HE0080-YK-01-A |
| Equipment | : Full-collor MFP | Regulation | : FCC Part15 SupartC 15.225 (e) |
| Model | : Aficio MP C2550 | | |
| Sample No. | : V2401000028 | Date | : 2008/6/27 |
| Power | : DC5V | Temperature | : 26deg.C |
| Mode | : Transmitting (13.56MHz) | Humidity | : 61% |
| | | ENGINEER | : Tatsuya Arai |

**Input Voltage:DC4.25V (85%)**

**Temperature Variation: 20deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.560031 | 0.000031 | 0.00023 | 0.01 |
| after 2minutes | 13.56 | 13.560031 | 0.000031 | 0.00023 | 0.01 |
| after 5minutes | 13.56 | 13.560030 | 0.000030 | 0.00022 | 0.01 |
| after 10minutes | 13.56 | 13.560030 | 0.000030 | 0.00022 | 0.01 |

**Input Voltage:DC5.75V(115%)**

**Temperature Variation: 20deg.C**

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency torerance (%) | Limit (%) |
|---|---|---|---|---|---|
| startup | 13.56 | 13.560030 | 0.000030 | 0.00022 | 0.01 |
| after 2minutes | 13.56 | 13.560029 | 0.000029 | 0.00021 | 0.01 |
| after 5minutes | 13.56 | 13.560029 | 0.000029 | 0.00021 | 0.01 |
| after 10minutes | 13.56 | 13.560029 | 0.000029 | 0.00021 | 0.01 |

## APPENDIX 3
## Test Instruments

**EMI test equipment**

| Control No. | Instrument | Manufacturer | Model No | Test Item | Calibration Date * Interval(month) |
|---|---|---|---|---|---|
| YA-CE | Conducted emission(software) | UL Japan | CE(Ver.1.6) | CE | - |
| KCC-33/34/KRM-03 | Coaxial Cable/RF Relay Matrix | Fujikura/Suhner/TSJ | 5D-2W/S04272B/RFM-E421 | CE | 2007/11/01 * 12 |
| KLS-03 | LISN(AMN) | Schwarzbeck | NNLK8129 | CE | 2008/05/30 * 12 |
| KOS-02 | Humidity Indicator | Custom | CTH-190 | CE/RE | 2006/07/10 * 24 |
| APSPA04 | Spectrum Analyzer | Advantest | R3265 | CE/RE | 2007/07/03 * 12 |
| KTR-01 | Test Receiver | Rohde & Schwarz | ESI40 | CE/RE/BW | 2008/04/18 * 12 |
| KJM-07 | Measure | KOMELON | KMC-36 | CE/RE | - |
| YA-RE | Radiated emission(software) | UL Japan | RE(Ver.1.5) | RE | - |
| KAEC-01 | Anechoic Chamber | JSE | Semi 3m | RE | 2007/08/26 * 12 |
| KAF-05 | Pre Amplifier | Agilent | 8447D | RE | 2008/04/08 * 12 |
| KAT6-01 | Attenuator | INMET | 18N-6dB | RE | 2008/03/17 * 12 |
| KBA-03 | Biconical Antenna | Schwarzbeck | BBA9106 | RE | 2007/12/27 * 12 |
| KCC-30/31/32/34/KRM-03 | Coaxial Cable/RF Relay Matrix | Fujikura/Suhner/TSJ | 5D-2W/S04272B/RFM-E421 | RE | 2008/05/12 * 12 |
| KLA-03 | Logperiodic Antenna | Schwarzbeck | USLP9143 | RE | 2007/12/27 * 12 |
| KFC-01 | Microwave Counter | Advantest | R5373 | FT | 2008/04/23 * 12 |
| KCH-01 | Temperature and Humidity Chamber | Tabai Espec | PL-1KT | FT | 2007/12/26 * 12 |
| KSCA-01 | Search coil | TSJ | SC01 | FT/BW | Pre Check |
| KCC-A3 | Coaxial Cable | Fujikura | 5D-2W | FT/BW | 2008/05/29 * 12 |
| | | | | | |
| | | | | | |

**The expiration date of the calibration is the end of the expired month .**

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

**Test Item :**

**CE: Conducted emission,**
**RE: Radiated emission,**
**BW: Bandwidth,**
**FT: Frequency tolerance**

**1.model difference specification**

| Model (RICOH) | Print speed/minutes | Operation Panel Unit type | HDD |
|---|---|---|---|
| Aficio MP C2030 | 20 | 4-line LCD panel | No |
| Aficio MP C2050 | 20 | 8.5inch color touch panel | Yes |
| Aficio MP C2550 | 25 | 8.5inch color touch panel | Yes |

The difference is printing speed, operation panel unit type, and HDD as above.
Aficio MP C2030 is HDD-less model.
Aficio MP C2550 is chosen as a representative for the test since the model has the highest print speed.

**2.model name by brand**

| Model (RICOH) | Brand name | OEM model |
|---|---|---|
| Aficio MP C2030 | Lanier | LD520CL |
| | Savin | C9020L |
| | Gestetner | MP C2030 |
| Aficio MP C2050 | Lanier | LD520C |
| | Savin | C9020 |
| | Gestetner | MP C2050 |
| Aficio MP C2550 | Lanier | LD525C |
| | Savin | C9025 |
| | Gestetner | MP C2550 |