

DATA OF CONDUCTION TEST

UL Japan, Inc.
YAMAKITA No.2 Shielded room
Report No. : 30DE0267-YK-01-R1

Applicant : NIDEC SANKYO CORPORATION
Kind of Equipment : Contactless IC card reader
Model No. : ICMOMO
Serial No. : R-9010008
Power : AC120V/60Hz
Mode : Transmitting (13.56MHz)
Remarks : -
Date : 11/27/2008
Phase : Single Phase
Temperature : 22 °C
Humidity : 44 %
Regulation : FCC Part15C § 15.207. (CISPR Pub. 22)

Engineer : Tatsuya Arai

| No. | FREQ. [MHz] | READING(N) | | READING(L1) | | LISN FACTOR [dB] | CABLE LOSS [dB] | ATTEN. [dB] | RESULT | | LIMITS | | MARGIN | |
|-----|----------------|---------------|----|---------------|----|------------------------|-----------------------|----------------|------------|---------------|---------------|---------------|------------|------------|
| | | QP [dB μV] | AV | QP [dB μV] | AV | | | | QP [dB] | AV [dB μV] | QP [dB μV] | AV [dB μV] | QP [dB] | AV [dB] |
| 1. | 0.1500 | 34.8 | - | 34.8 | - | 0.1 | 0.1 | 0.0 | 35.0 | - | 66.0 | 56.0 | 31.0 | - |
| 2. | 1.5675 | 29.4 | - | 30.8 | - | 0.2 | 0.2 | 0.0 | 31.2 | - | 56.0 | 46.0 | 24.8 | - |
| 3. | 2.3517 | 33.5 | - | 32.0 | - | 0.2 | 0.2 | 0.0 | 33.9 | - | 56.0 | 46.0 | 22.1 | - |
| 4. | 3.1379 | 29.0 | - | 32.1 | - | 0.2 | 0.2 | 0.0 | 32.5 | - | 56.0 | 46.0 | 23.5 | - |
| 5. | 5.3322 | 38.2 | - | 37.5 | - | 0.3 | 0.3 | 0.0 | 38.8 | - | 60.0 | 50.0 | 21.2 | - |
| 6. | 10.6669 | 38.5 | - | 36.6 | - | 0.6 | 0.5 | 0.0 | 39.6 | - | 60.0 | 50.0 | 20.4 | - |
| 7. | 13.5600 | 33.4 | - | 31.9 | - | 0.8 | 0.5 | 0.0 | 34.7 | - | 60.0 | 50.0 | 25.3 | - |
| 8. | 21.3361 | 41.7 | - | 39.6 | - | 1.1 | 0.7 | 0.0 | 43.5 | - | 60.0 | 50.0 | 16.5 | - |
| 9. | 26.6680 | 28.7 | - | 32.8 | - | 1.3 | 0.8 | 0.0 | 34.9 | - | 60.0 | 50.0 | 25.1 | - |

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

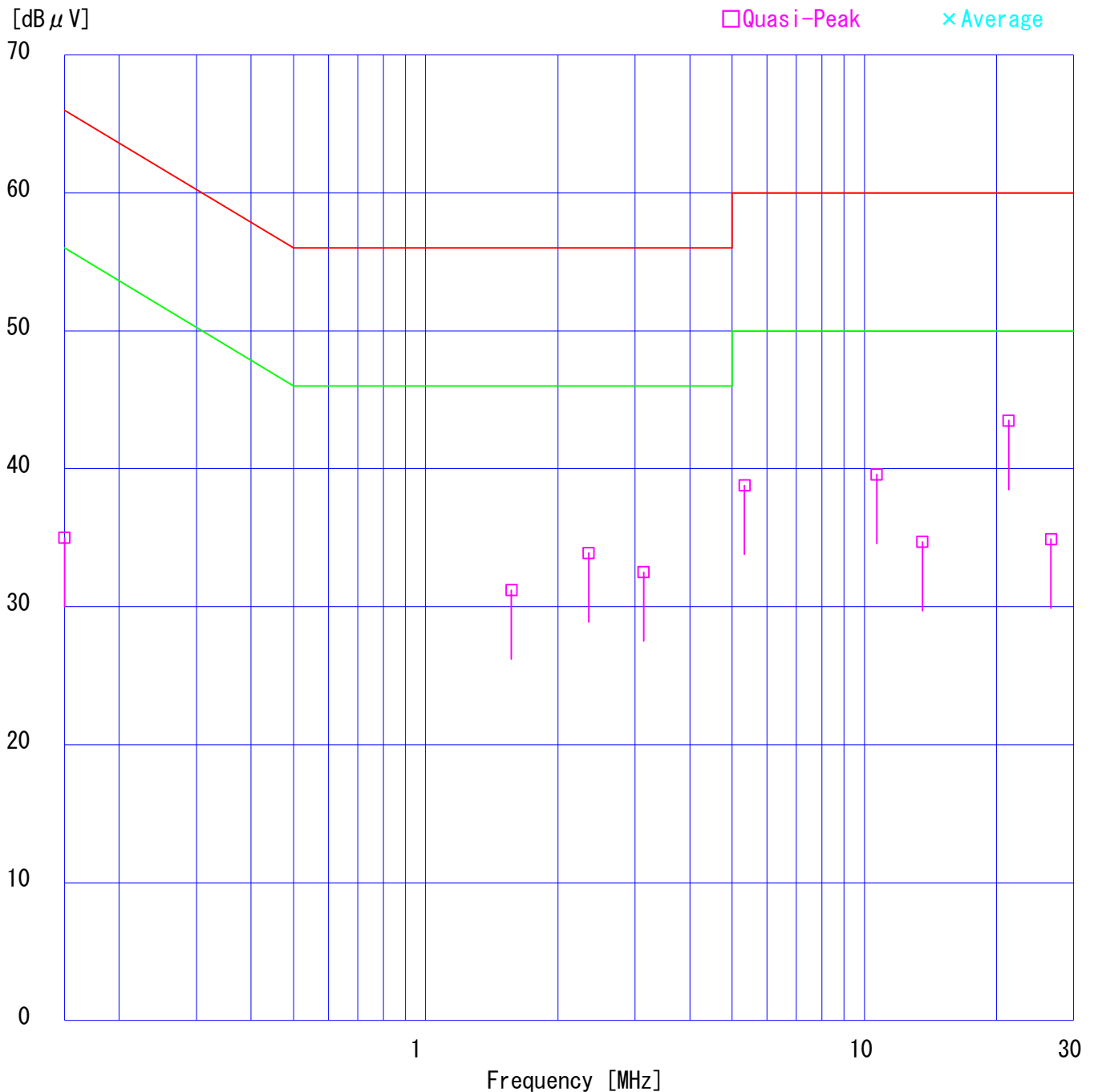
■ LISN: KLS-05 (NSLK8126) ■ COAXIAL CABLE: KCC-33_34
■ EMI RECEIVER: KTR-03 (ESHS10)

DATA OF CONDUCTION TEST

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Date : 11/27/2008
Phase : Single Phase
Temperature : 22 °C
Humidity : 44 %
Regulation : FCC Part15C § 15. 207. (CISPR Pub. 22)

Engineer : Tatsuya Arai



DATA OF CONDUCTION TEST CHART

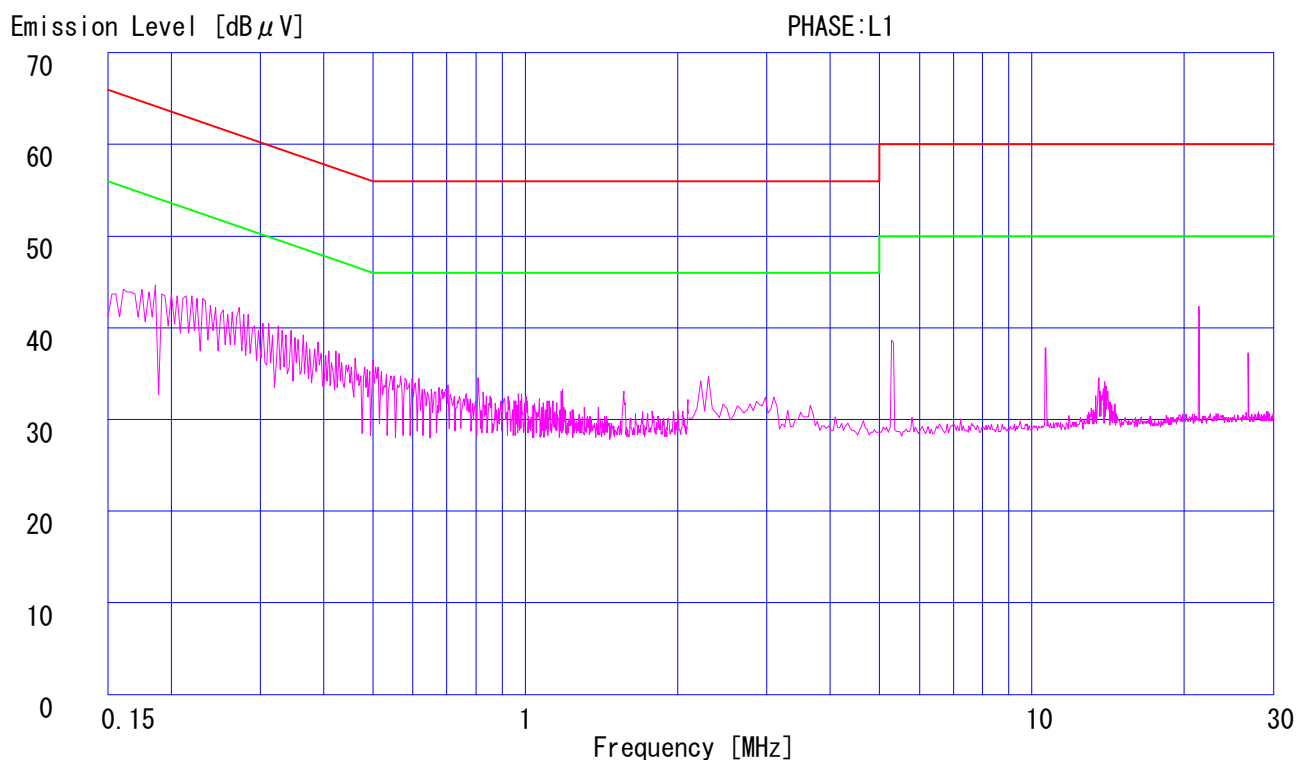
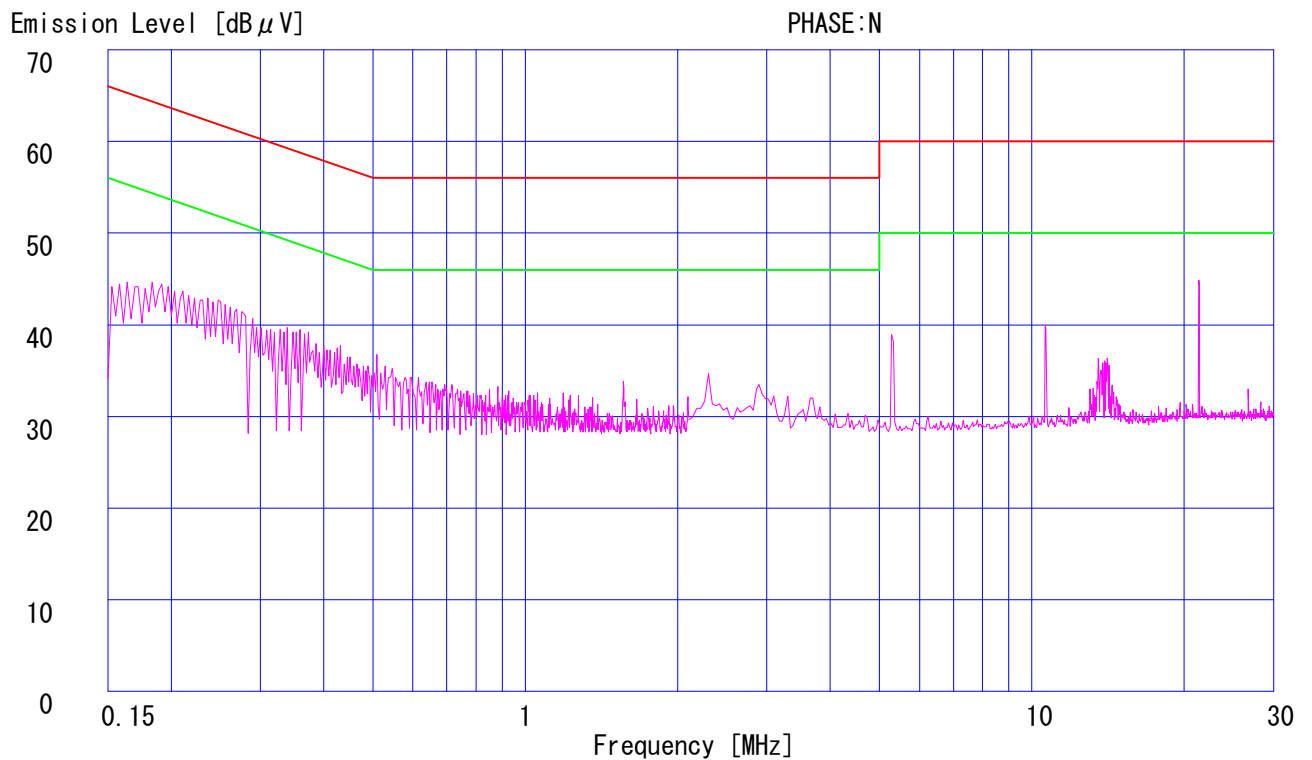
UL Japan, Inc.

YAMAKITA No.2 Shielded room

Report No. : 30DE0267-YK-01-R1

Applicant : NIDEC SANKYO CORPORATION
Kind of Equipment : Contactless IC card reader
Model No. : ICMOMO
Serial No. : R-9010008
Power : AC120V/60Hz
Mode : Transmitting (13.56MHz)
Remarks : -
Date : 11/27/2008
Phase : Single Phase
Temperature : 22 °C
Humidity : 44 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub. 22)
Regulation 2 : None

Engineer : Tatsuya Arai



Data of Field Strength and Outside Filed Strength: FCC15.225(a)(b)(c)

UL Japan, Inc.
YAMAKITA No1 Anechoic Chamber

| | |
|--|---|
| Company : NIDEC SANKYO CORPORATION | Report No. : 30DE0267-YK-01-R1 |
| Equipment : Contactless IC card reader | Regulation : FCC Part15 SupartC 15.225(a)(b)(c) |
| Model : ICM0M0 | Test Distance : 3m |
| Sample No. : R-9010008 | Date : 2009/12/22 |
| Power : DC24V | Temperature : 22deg.C |
| Mode : Transmitting (13.56MHz) | Humidity : 43% |

ENGINEER : Takahiro Suzuki

Field strength

| No. | FREQ [MHz] | T/R Reading | | ANT Factor [dB] | ATTEN [dB] | CABLE LOSS [dB] | AMP GAIN [dB] | RESULT | | LIMIT (3m) [dBuV/m] | MARGIN | |
|-----|---------------|-------------|-------------|-----------------------|---------------|-----------------------|---------------------|-----------------|-----------------|---------------------------|-------------|-------------|
| | | H [dBuV] | V [dBuV] | | | | | Hor [dBuV/m] | Ver [dBuV/m] | | Hor [dB] | Ver [dB] |
| 1 | 13.560 | 58.1 | 68.0 | 19.8 | 6.0 | 0.7 | 28.3 | 56.3 | 66.2 | 124.0 | 67.7 | 57.8 |

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 [MHz] | T/R Reading | | ANT Factor [dB] | ATTEN [dB] | CABLE LOSS [dB] | AMP GAIN [dB] | RESULT | | LIMIT (3m) [dBuV/m] | MARGIN | |
|-----|---------------|-------------|-------------|-----------------------|---------------|-----------------------|---------------------|-----------------|-----------------|---------------------------|-------------|-------------|
| | | H [dBuV] | V [dBuV] | | | | | Hor [dBuV/m] | Ver [dBuV/m] | | Hor [dB] | Ver [dB] |
| 1 | 13.110 | 26.2 | 26.1 | 19.8 | 6.0 | 0.7 | 28.3 | 24.4 | 24.3 | 69.5 | 45.1 | 45.2 |
| 2 | 13.410 | 26.3 | 26.2 | 19.8 | 6.0 | 0.7 | 28.3 | 24.5 | 24.4 | 80.5 | 56.0 | 56.1 |
| 3 | 13.553 | 38.7 | 57.1 | 19.8 | 6.0 | 0.7 | 28.3 | 36.9 | 55.3 | 90.5 | 53.6 | 35.2 |
| 4 | 13.567 | 32.0 | 48.1 | 19.8 | 6.0 | 0.7 | 28.3 | 30.2 | 46.3 | 90.5 | 60.3 | 44.2 |
| 5 | 13.710 | 26.3 | 32.2 | 19.8 | 6.0 | 0.7 | 28.3 | 24.5 | 30.4 | 80.5 | 56.0 | 50.1 |
| 6 | 14.010 | 26.2 | 26.3 | 19.8 | 6.0 | 0.7 | 28.3 | 24.4 | 24.5 | 69.5 | 45.1 | 45.0 |

Outside filed strength frequencies

- filed strength band $F_c \pm 7\text{kHz}$: 13.553MHz to 13.567MHz
 - Outside filde strength $F_c \pm 150\text{kHz}$: 13.410MHz to 13.710MHz
 - Outside filde strength $F_c \pm 450\text{kHz}$: 13.110MHz to 14.010MHz
- $F_c = 13.56\text{MHz}$

Limits (3m)

- 13.410MHz to 13.553MHz and 13.567MHz to 13.710MHz : $50.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 90.5\text{dBuV/m}$ (FCC15.225(b))
- 13.110MHz to 14.010MHz and 13.710MHz to 14.010MHz : $40.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 80.5\text{dBuV/m}$ (15.225(c))
- Below 13.110MHz and Above 14.010MHz : $29.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 69.5\text{dBuV/m}$ (FCC15.225(d)and FCC15.209)

Data of Radiated Disturbance Test

UL Japan, Inc.

YAMAKITA No.1 Semi-anechoic chamber

Report No. : 30DE0267-YK-01-R1

Applicant : NIDEC SANKYO CORPORATION
 Type of Equipment : Contactless IC card reader
 Model No. : ICMOMO
 Serial No. : R-9010008
 Power : DC24V
 Mode : Transmitting (13.56MHz)
 Remarks : Hor:Z, Ver:0° to 360°
 Date : 12/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 43 %
 Limit : FCC Part15C § 15.209 9KHz-30MHz (3m)

Engineer : Takahiro Suzuki

| No. | FREQ. [MHz] | ANT TYPE | READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. [dB] | RESULT | | LIMITS | | MARGIN | |
|-----|----------------|-------------|-----------------|------|-------------------------|---------------------|-----------------------|----------------|-------------------|------|-------------|------|--------|--|
| | | | HOR [dB μ V] | VER | | | | | HOR [dB μ V/m] | VER | HOR [dB] | VER | | |
| 1. | 0.62 | BB | 38.3 | 38.0 | 19.9 | 28.2 | 0.2 | 6.0 | 36.2 | 35.9 | 71.8 | 35.6 | 35.9 | |
| 2. | 1.18 | BB | 31.7 | 30.4 | 19.8 | 28.3 | 0.2 | 6.0 | 29.4 | 28.1 | 66.2 | 36.8 | 38.1 | |
| 3. | 27.12 | BB | 29.9 | 33.4 | 19.2 | 28.3 | 1.0 | 6.0 | 27.8 | 31.3 | 69.5 | 41.7 | 38.2 | |

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

Except for the above table : adequate margin data below the limits.

■ ANTENNA : KLP-01 ■ CABLE : KCC-30/31/32/34 ■ PREAMP : KAF-05 ■ EMI RECEIVER : KTR-03

Data of Radiated Disturbance Test

UL Japan, Inc.

YAMAKITA No.1 Semi-anechoic chamber

Report No. : 30DE0267-YK-01-R1

Applicant : NIDEC SANKYO CORPORATION
 Type of Equipment : Contactless IC card reader
 Model No. : ICMOMO
 Serial No. : R-9010008
 Power : DC24V
 Mode : Transmitting (13.56MHz)
 Remarks : -
 Date : 12/22/2009
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 43 %
 Limit : FCC Part15C § 15.209

Engineer : Takahiro Suzuki

| No. | FREQ. [MHz] | ANT TYPE | READING | | ANT FACTOR [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | ATTEN. [dB] | RESULT | | LIMITS | | MARGIN | |
|-----|----------------|-------------|----------------|------|-------------------------|---------------------|-----------------------|----------------|------------------|------|-------------|------|--------|--|
| | | | HOR [dB μV] | VER | | | | | HOR [dB μV/m] | VER | HOR [dB] | VER | | |
| 1. | 40.68 | BB | 31.2 | 36.9 | 14.4 | 28.6 | 1.3 | 6.0 | 24.3 | 30.0 | 40.0 | 15.7 | 10.0 | |
| 2. | 54.24 | BB | 33.1 | 39.3 | 9.9 | 28.5 | 1.5 | 6.0 | 22.0 | 28.2 | 40.0 | 18.0 | 11.8 | |
| 3. | 58.56 | BB | 41.8 | 49.4 | 8.7 | 28.5 | 1.5 | 6.0 | 29.5 | 37.1 | 40.0 | 10.5 | 2.9 | |
| 4. | 67.80 | BB | 43.9 | 52.0 | 7.0 | 28.6 | 1.7 | 6.0 | 30.0 | 38.1 | 40.0 | 10.0 | 1.9 | |
| 5. | 71.30 | BB | 41.3 | 52.5 | 6.6 | 28.6 | 1.7 | 6.0 | 27.0 | 38.2 | 40.0 | 13.0 | 1.8 | |
| 6. | 81.36 | BB | 42.7 | 44.4 | 6.6 | 28.5 | 1.9 | 6.0 | 28.7 | 30.4 | 40.0 | 11.3 | 9.6 | |
| 7. | 85.45 | BB | 51.2 | 50.2 | 7.2 | 28.6 | 1.9 | 6.0 | 37.7 | 36.7 | 40.0 | 2.3 | 3.3 | |
| 8. | 94.92 | BB | 39.7 | 40.6 | 9.0 | 28.5 | 2.1 | 6.0 | 28.3 | 29.2 | 43.5 | 15.2 | 14.3 | |
| 9. | 108.48 | BB | 32.2 | 34.5 | 11.5 | 28.4 | 2.2 | 6.0 | 23.5 | 25.8 | 43.5 | 20.0 | 17.7 | |
| 10. | 122.04 | BB | 28.4 | 31.7 | 13.4 | 28.4 | 2.4 | 6.0 | 21.8 | 25.1 | 43.5 | 21.7 | 18.4 | |
| 11. | 135.60 | BB | 25.9 | 31.0 | 14.2 | 28.3 | 2.5 | 6.0 | 20.3 | 25.4 | 43.5 | 23.2 | 18.1 | |
| 12. | 256.02 | BB | 37.6 | 39.6 | 17.9 | 27.7 | 3.7 | 6.0 | 37.5 | 39.5 | 46.0 | 8.5 | 6.5 | |
| 13. | 400.03 | BB | 48.6 | 41.9 | 17.0 | 28.4 | 5.1 | 3.0 | 45.3 | 38.6 | 46.0 | 0.7 | 7.4 | |
| 14. | 688.02 | BB | 43.9 | 37.3 | 20.4 | 29.2 | 7.0 | 3.0 | 45.1 | 38.5 | 46.0 | 0.9 | 7.5 | |
| 15. | 720.00 | BB | 41.1 | 38.9 | 20.8 | 29.2 | 7.1 | 3.0 | 42.8 | 40.6 | 46.0 | 3.2 | 5.4 | |

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

Except for the above table : adequate margin data below the limits.

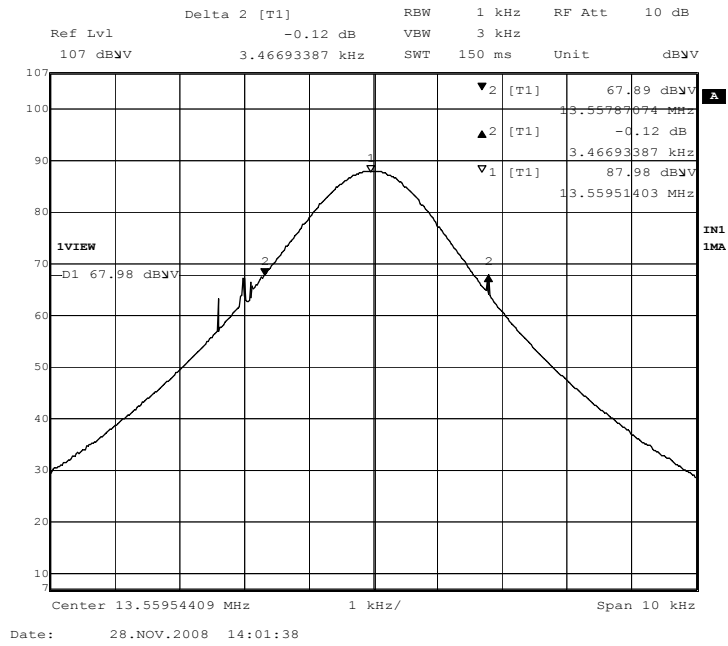
■ ANT: KBA-03 (<300MHz) / KLA-03 ■ AMP: KAF-05 ■ RECEIVER: KTR-04

20dB bandwidth & Occupied bandwidth (99%): FCC 15.215(c)

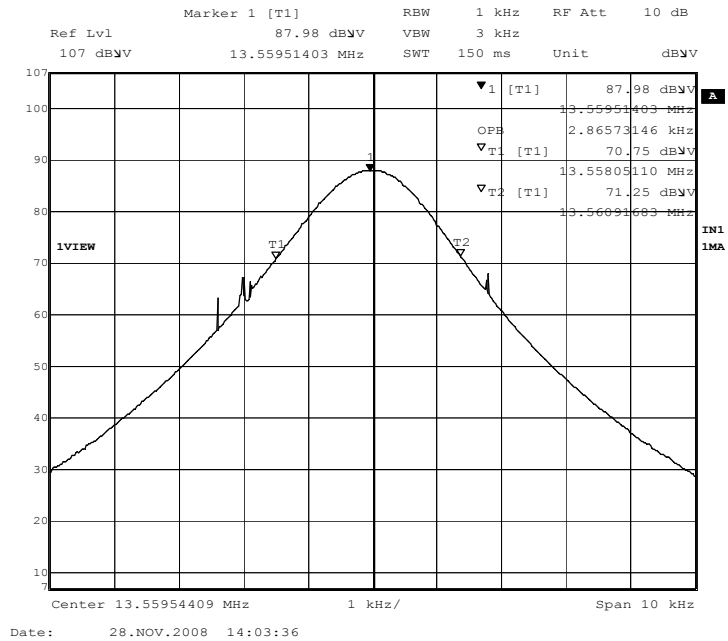
UL Japan, Inc. Yamakita No2 Shield room

| | |
|--|--|
| COMPANY : NIDEC SANKYO CORPORATION. | REPORT No. : 30DE0267-YK-01-R1 |
| Equipment : Contactless IC card reader | REGULATION : FCC Part15SubpartC 215(c) |
| MODEL NUMBER: ICM0M0 | DATE : 11/28/2008 |
| SERIAL NUMBER: R8100005 | TEMP./HUMI : 19°C/52% |
| POWER : DC24V | TEST MODE : Transmitting |
| | ENGINEER : Tatsuya Arai |

20dB Bandwidth: 3.467kHz



OBW(99%): 2.866kHz



Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No4 Shield room

Company : NIDEC SANKYO CORPORATION Report No. : 30DE0267-YK-01-R1
Equipment : Contactless IC card reader Regulation : FCC Part15 SupartC 15.225 (e)
Model : ICM0M0
Sample No. : R8100005 Date : 2008/11/27
Power : DC24V Temperature : 22deg.C
Mode : Transmitting (13.56MHz) Humidity : 44%

ENGINEER : Go Ishiwata

Temperature Variation: -20deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559767 | -0.000233 | -0.00172 | 0.01 |
| after 2minutes | 13.56 | 13.559781 | -0.000219 | -0.00162 | 0.01 |
| after 5minutes | 13.56 | 13.559791 | -0.000209 | -0.00154 | 0.01 |
| after 10minutes | 13.56 | 13.559792 | -0.000208 | -0.00153 | 0.01 |

Temperature Variation: -10deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559846 | -0.000154 | -0.00114 | 0.01 |
| after 2minutes | 13.56 | 13.559853 | -0.000147 | -0.00108 | 0.01 |
| after 5minutes | 13.56 | 13.5598 | -0.000200 | -0.00147 | 0.01 |
| after 10minutes | 13.56 | 13.559807 | -0.000193 | -0.00142 | 0.01 |

Temperature Variation: 0deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559775 | -0.000225 | -0.00166 | 0.01 |
| after 2minutes | 13.56 | 13.559785 | -0.000215 | -0.00159 | 0.01 |
| after 5minutes | 13.56 | 13.559787 | -0.000213 | -0.00157 | 0.01 |
| after 10minutes | 13.56 | 13.559761 | -0.000239 | -0.00176 | 0.01 |

Temperature Variation: 10deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559746 | -0.000254 | -0.00187 | 0.01 |
| after 2minutes | 13.56 | 13.559749 | -0.000251 | -0.00185 | 0.01 |
| after 5minutes | 13.56 | 13.559710 | -0.000290 | -0.00214 | 0.01 |
| after 10minutes | 13.56 | 13.559688 | -0.000312 | -0.00230 | 0.01 |

Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No4 Shield room

Company : NIDEC SANKYO CORPORATION Report No. : 30DE0267-YK-01-R1
Equipment : Contactless IC card reader Regulation : FCC Part15 SupartC 15.225 (e)
Model : ICM0M0
Sample No. : R8100005 Date : 2008/11/27
Power : DC24V Temperature : 22deg.C
Mode : Transmitting (13.56MHz) Humidity : 44%

ENGINEER : Go Ishiwata

Temperature Variation: 20deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559711 | -0.000289 | -0.00213 | 0.01 |
| after 2minutes | 13.56 | 13.559705 | -0.000295 | -0.00218 | 0.01 |
| after 5minutes | 13.56 | 13.559682 | -0.000318 | -0.00235 | 0.01 |
| after 10minutes | 13.56 | 13.559658 | -0.000342 | -0.00252 | 0.01 |

Temperature Variation: 30deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559697 | -0.000303 | -0.00223 | 0.01 |
| after 2minutes | 13.56 | 13.559723 | -0.000277 | -0.00204 | 0.01 |
| after 5minutes | 13.56 | 13.559666 | -0.000334 | -0.00246 | 0.01 |
| after 10minutes | 13.56 | 13.559651 | -0.000349 | -0.00257 | 0.01 |

Temperature Variation: 40deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559731 | -0.000269 | -0.00198 | 0.01 |
| after 2minutes | 13.56 | 13.559728 | -0.000272 | -0.00201 | 0.01 |
| after 5minutes | 13.56 | 13.559672 | -0.000328 | -0.00242 | 0.01 |
| after 10minutes | 13.56 | 13.559651 | -0.000349 | -0.00257 | 0.01 |

Temperature Variation: 50deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559744 | -0.000256 | -0.00189 | 0.01 |
| after 2minutes | 13.56 | 13.559768 | -0.000232 | -0.00171 | 0.01 |
| after 5minutes | 13.56 | 13.559731 | -0.000269 | -0.00198 | 0.01 |
| after 10minutes | 13.56 | 13.559655 | -0.000345 | -0.00254 | 0.01 |

Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No.4 Shield room

Company : NIDEC SANKYO CORPORATION Report No. : 30DE0267-YK-01-R1
Equipment : Contactless IC card reader Regulation : FCC Part15 SupartC 15.225 (e)
Model : ICM0M0
Sample No. : R8100005 Date : 2008/11/27
Power : DC24V Temperature : 22deg.C
Mode : Transmitting (13.56MHz) Humidity : 44%

ENGINEER : Go Ishiwata

Input Voltage:DC20.4V

Temperature Variation: 20deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559885 | -0.000115 | -0.00085 | 0.01 |
| after 2minutes | 13.56 | 13.559862 | -0.000138 | -0.00102 | 0.01 |
| after 5minutes | 13.56 | 13.559805 | -0.000195 | -0.00144 | 0.01 |
| after 10minutes | 13.56 | 13.559782 | -0.000218 | -0.00161 | 0.01 |

Input Voltage:DC27.6V

Temperature Variation: 20deg.C

| Test Conditions | Original Frequency (MHz) | Measure Frequency (MHz) | Frequency Error (kHz) | Frequency tolerance (%) | Limit (%) |
|-----------------|--------------------------|-------------------------|-----------------------|-------------------------|-----------|
| startup | 13.56 | 13.559784 | -0.000216 | -0.00159 | 0.01 |
| after 2minutes | 13.56 | 13.559797 | -0.000203 | -0.00150 | 0.01 |
| after 5minutes | 13.56 | 13.559827 | -0.000173 | -0.00128 | 0.01 |
| after 10minutes | 13.56 | 13.559839 | -0.000161 | -0.00119 | 0.01 |

APPENDIX 3 Test Instruments

EMI test equipment

| Control No. | Instrument | Manufacturer | Model No | Serial No | Test Item | Calibration Date * Interval(month) |
|-----------------------------------|----------------------------------|---------------------|----------------------------|------------|-----------|---------------------------------------|
| CUST-YA-CE | Conducted emission(software) | UL Japan | CE(Ver.2.0) | - | CE | - |
| KCC-33/34/KR M-03 | Coaxial Cable/RF Relay Matrix | Fujikura/Suhner/TSJ | 5D-2W/S04272B/ RFM-E421 | -/01055 | CE | 2009/10/27 * 12 |
| KLS-05 | LISN(AMN) | Schwarzbeck | NSLK8126 | 8126375 | CE | 2009/09/15 * 12 |
| KLS-06 | LISN(AMN) | Schwarzbeck | NSLK8127 | 8127362 | CE | 2009/09/15 * 12 |
| KOS-01 | Humidity Indicator | Custom | CTH-190 | K-01 | CE | 2009/07/29 * 12 |
| KSA-02 | Spectrum Analyzer | Advantest | R3265A | 55060826 | CE/RE | 2008/12/26 * 12 |
| KTR-03 | Test Receiver | Rohde & Schwarz | ESHS10 | 839698/014 | CE/RE | 2009/02/09 * 12 |
| KJM-07 | Measure | KOMELON | KMC-36 | - | CE/RE | - |
| CUST-YA-RE | Radiated emission(software) | UL Japan | RE(Ver.2.0) | - | RE | - |
| KAEC-01 | Anechoic Chamber | JSE | Semi 3m | 1 | RE | 2009/08/20 * 12 |
| KAF-05 | Pre Amplifier | Agilent | 8447D | 2944A10150 | RE | 2009/03/27 * 12 |
| KAT6-01 | Attenuator | INMET | 18N-6dB | - | RE | 2009/03/10 * 12 |
| KBA-03 | Biconical Antenna | Schwarzbeck | BBA9106 | 1926 | RE | 2008/12/28 * 12 |
| KLA-03 | Logperiodic Antenna | Schwarzbeck | USLP9143 | 170 | RE | 2008/12/28 * 12 |
| KCC-30/31/32 /34/37/KRM-0 3 | Coaxial Cable/RF Relay Matrix | Fujikura/Suhner/TSJ | 5D-2W/S04272B/ RFM-E421 | -/01055 | RE | 2009/10/27 * 12 |
| KTR-04 | Test Receiver | Rohde & Schwarz | ESVS10 | 825475/006 | RE | 2009/03/03 * 12 |
| KOS-02 | Humidity Indicator | Custom | CTH-190 | K-02 | RE | 2009/07/23 * 12 |
| KAT3-08 | Attenuator | JFW IND. INC. | 50HF-003N | - | RE | 2009/08/18 * 12 |
| KTR-03 | Test Receiver | Rohde & Schwarz | ESHS10 | 839698/014 | RE | 2009/02/09 * 12 |
| KSA-R11 | Spectrum Analyzer | Advantest | R3273 | 130300486 | RE | 2009/11/27 * 12 |
| KLP-01 | Loop Antenna | Rohde & Schwarz | HFH2-Z2 | 827779/008 | RE | 2009/10/26 * 12 |
| KCH-01 | Temperature and Humidity Chamber | Tabai Espec | PL-1KT | 14007630 | FT | 2009/04/09 * 12 |
| KFC-01 | Microwave Counter | Advantest | R5373 | 120100309 | FT | 2009/05/07 * 12 |
| KCC-A1 | Coaxial Cable | Fujikura | 5D2W | - | FT | - |
| KSCA-01 | Search coil | TSJ | SC01 | - | FT, BW | Pre Check |
| KTR-01 | Test Receiver | Rohde & Schwarz | ES140 | 100054/040 | BW | 2009/04/08 * 12 |
| KCC-E3 | Coaxial Cable | - | - | - | BW | Pre Check |
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The expiration date of the calibration is the end of the expired month .
As for some calibrations performed after the tested dates , those test equipment have been controlled by means of an unbroken chains of calibrations .

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