

APPENDIX 2: Data of EMI test

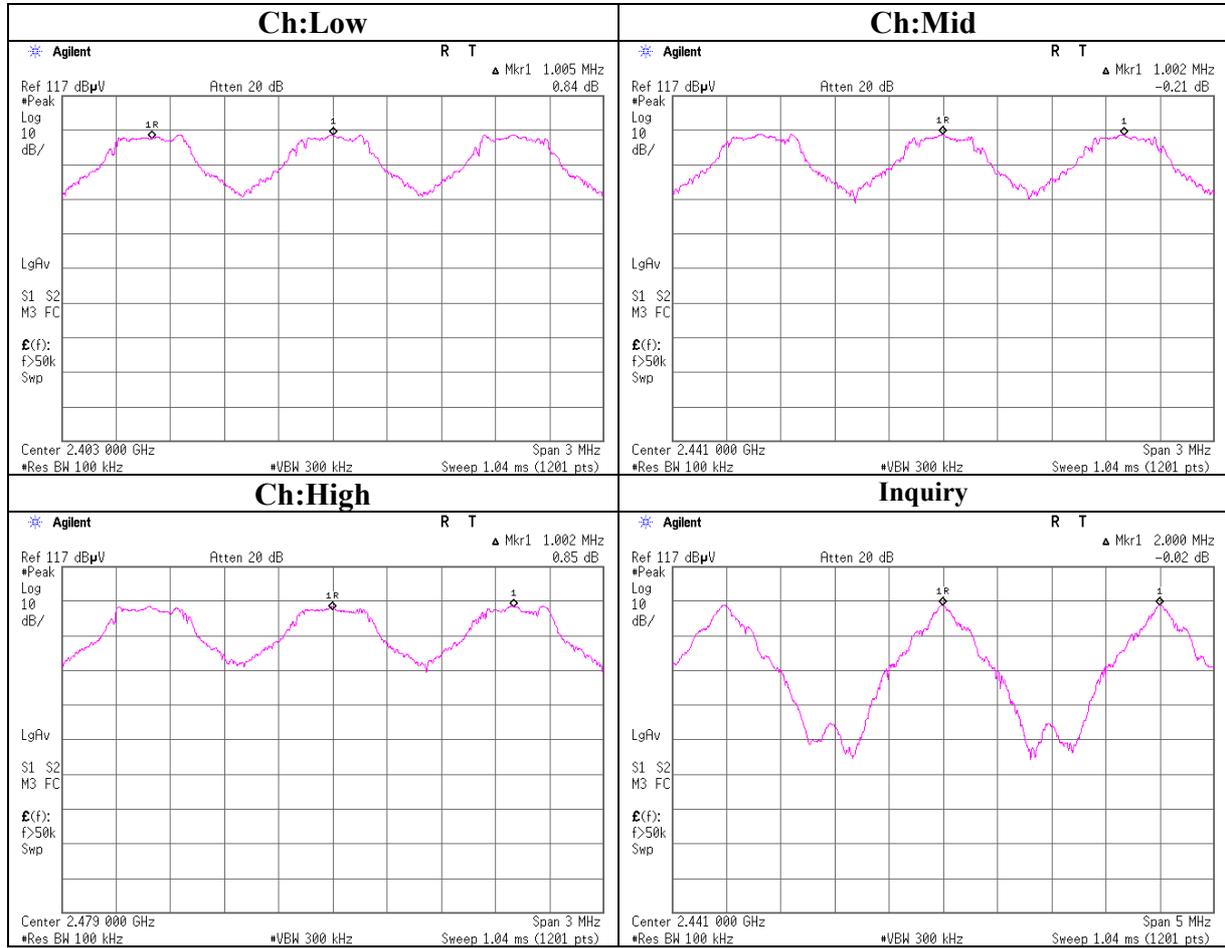
Carrier Frequency Separation

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

| | | | |
|------------|--------------------------|---------------|----------------------------------|
| Company | : Sony Corporation | Regulation | : FCC15.247(a)(1)/RSS-210A8.1(b) |
| Equipment | : Bluetooth Audio System | Test distance | : - |
| Model No. | : MEX-BT3600U | Date | : 1/10/2008 |
| Serial No. | : 26 | Temperature | : 24deg.C |
| Power | : DC12V | Humidity | : 34% |
| Mode | : Tx(Hopping on)/Inquiry | Engineer | : Akio Hayashi |

| Ch | Freq. [MHz] | Channel separation [MHz] | Limit |
|---------|----------------|-----------------------------|--------------------------------------------------------------------------|
| Low | 2402.0 | 1.005 | >two-thirds of 0.925[MHz](20dB Bandwidth)or25[kHz](whichever is greater) |
| Mid | 2441.0 | 1.002 | >two-thirds of 0.872[MHz](20dB Bandwidth)or25[kHz](whichever is greater) |
| High | 2480.0 | 1.002 | >two-thirds of 0.935[MHz](20dB Bandwidth)or25[kHz](whichever is greater) |
| Inquiry | 2441.0 | 2.000 | >two-thirds of 0.762[MHz](20dB Bandwidth)or25[kHz](whichever is greater) |

Carrier Frequency Separation



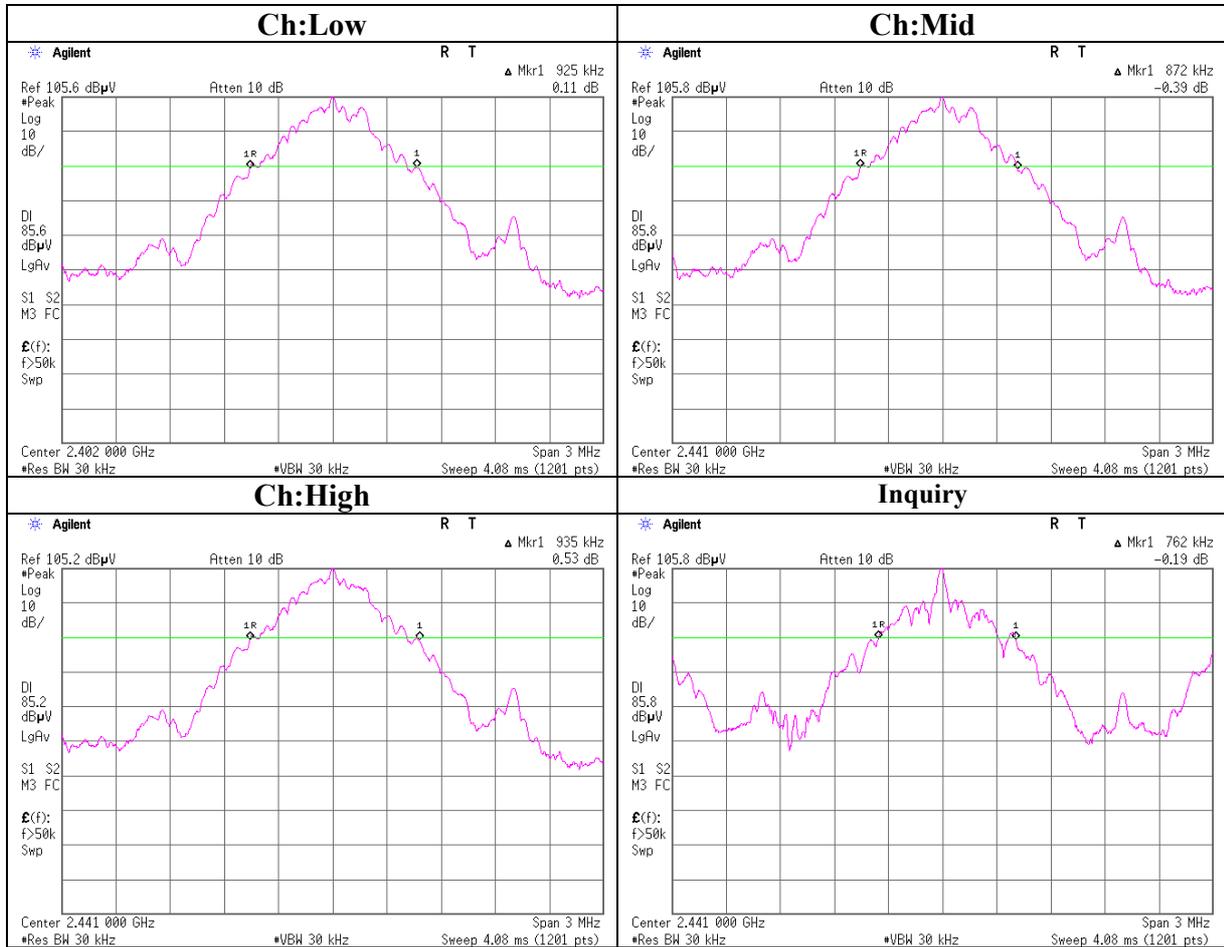
20dB Bandwidth

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

| | | | |
|------------|-----------------------------|---------------|----------------------------------|
| Company | : Sony Corporation | Regulation | : FCC15.247(a)(1)/RSS-210A8.1(a) |
| Equipment | : Bluetooth Audio System | Test distance | : - |
| Model No. | : MEX-BT3600U | Date | : 1/10/2008 |
| Serial No. | : 26 | Temperature | : 24deg.C |
| Power | : DC12V | Humidity | : 34% |
| Mode | : Tx (Hopping off) /Inquiry | Engineer | : Akio Hayashi |

| Ch | Freq. [MHz] | 20dB Bandwidth [MHz] | Limit [MHz] |
|---------|----------------|-------------------------|----------------|
| Low | 2402.0 | 0.925 | - |
| Mid | 2441.0 | 0.872 | - |
| High | 2480.0 | 0.935 | - |
| Inquiry | 2441.0 | 0.762 | - |

20dB Bandwidth



Number of Hopping Frequency

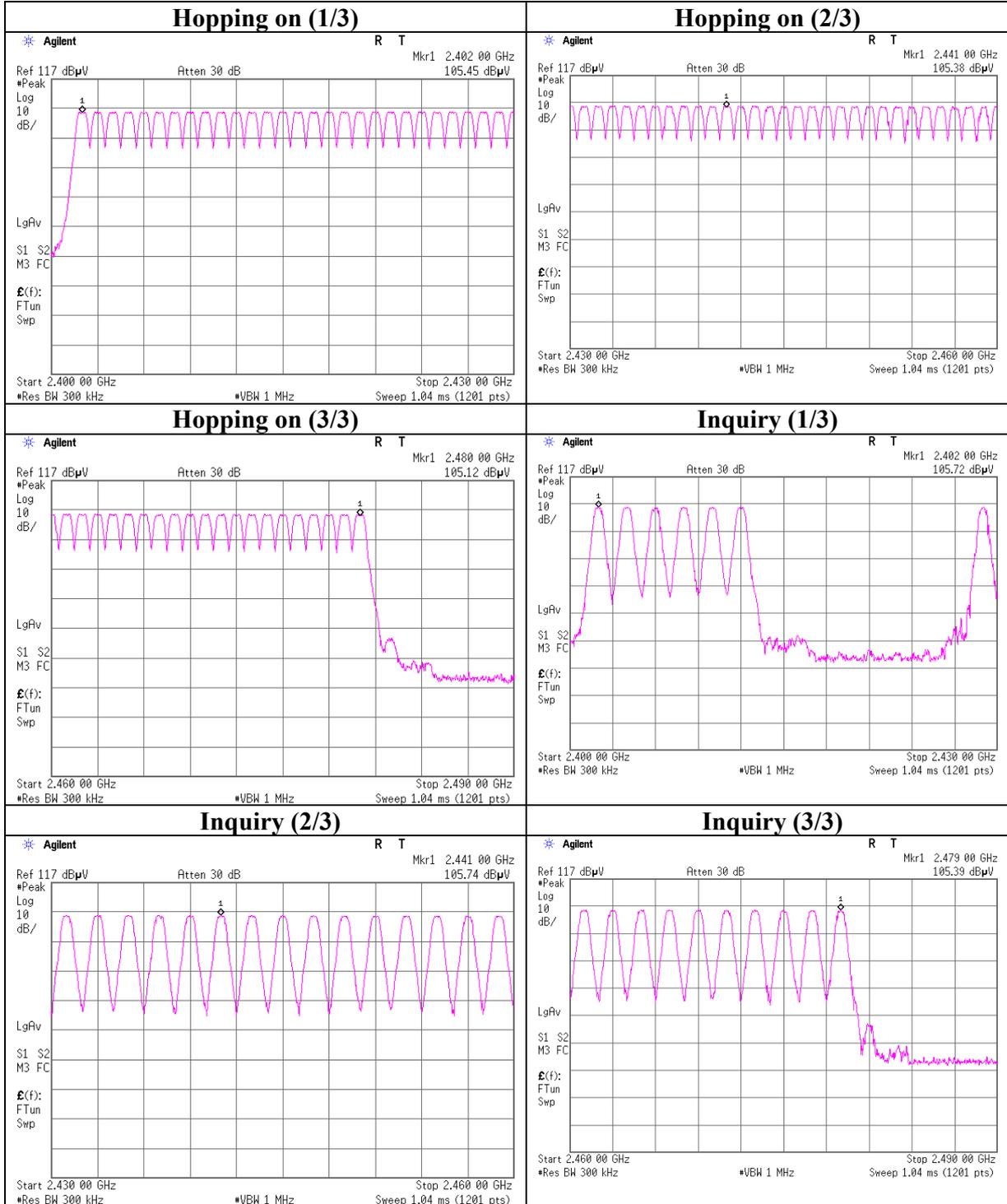
UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

Company : Sony Corporation Regulation : FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
Equipment : Bluetooth Audio System Test distance : -
Model No. : MEX-BT3600U Date : 1/10/2008
Serial No. : 26 Temperature : 24deg.C
Power : DC12V Humidity : 34%
Mode : Tx (Hopping on) /Inquiry Engineer : Akio Hayashi

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

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

Number of Hopping Frequency



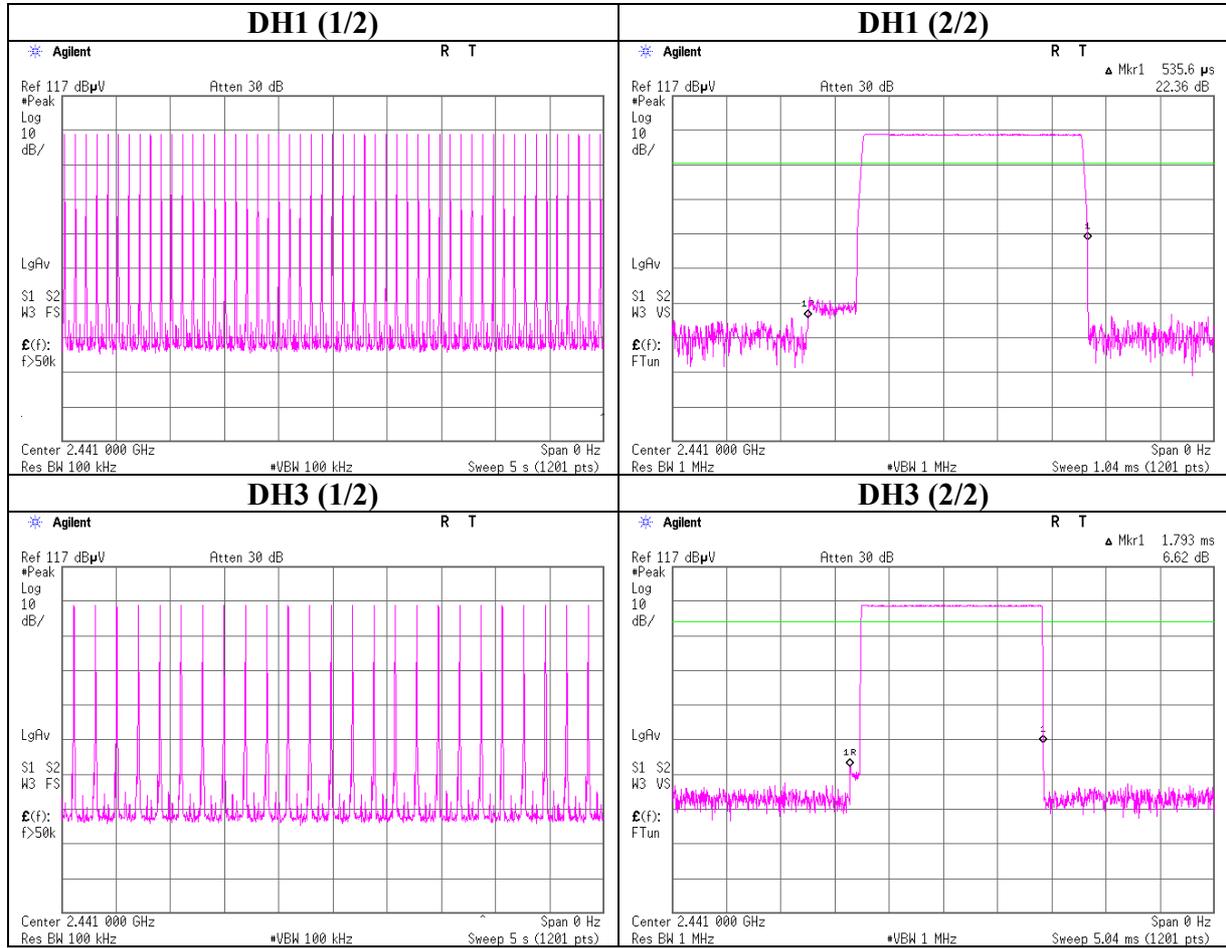
Dwell time

UL Japan, Inc.
Head Office EMC Lab. No.3 Shielded Room

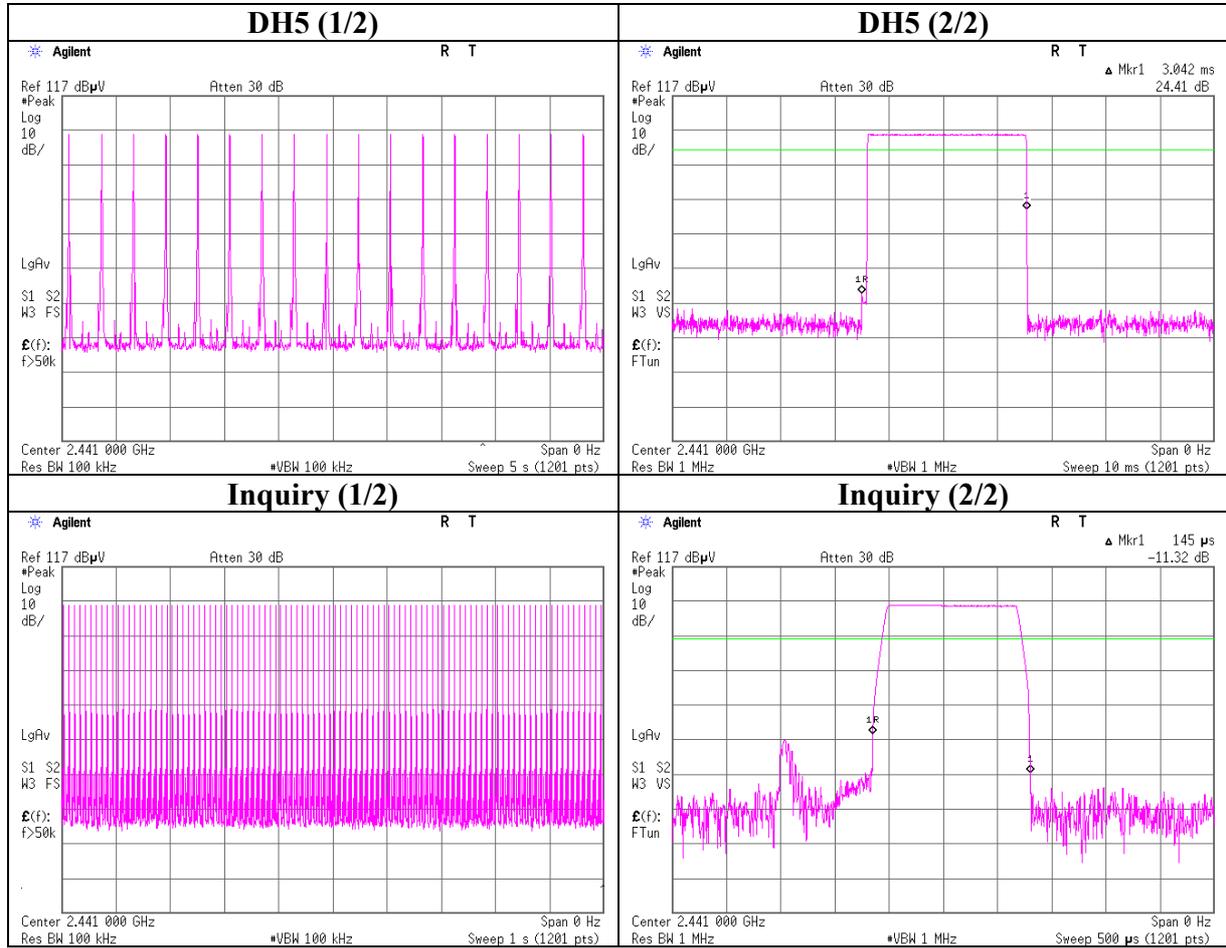
Company : Sony Corporation Regulation : FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
Equipment : Bluetooth Audio System Test distance : -
Model No. : MEX-BT3600U Date : 1/10/2008
Serial No. : 26 Temperature : 24deg.C
Power : DC12V Humidity : 34%
Mode : Tx (Hopping on) /Inquiry Engineer : Akio Hayashi

| 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 | 51 times / 5 sec. x 31.6 sec. = 323 times | 0.536 | 173 | 400 |
| DH3 | 25 times / 5 sec. x 31.6 sec. = 158 times | 1.793 | 283 | 400 |
| DH5 | 17 times / 5 sec. x 31.6 sec. = 108 times | 3.042 | 329 | 400 |
| Inquiry | 100 times / 1 sec. x 12.8 sec. = 1280 times | 0.145 | 186 | 400 |

Dwell time



Dwell time



Maximum Peak Output Power

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room

| | | | |
|------------|---------------------------|---------------|----------------------------------|
| Company | : Sony Corporation | Regulation | : FCC15.247(b)(1)/RSS-210A8.4(2) |
| Equipment | : Bluetooth Audio System | Test distance | : - |
| Model No. | : MEX-BT3600U | Date | : 1/10/2008 |
| Serial No. | : 26 | Temperature | : 24deg.C |
| Power | : DC 12V | Humidity | : 34% |
| Mode | : Tx(Hopping Off)/Inquiry | Engineer | : Akio Hayashi |

| Ch | Freq. [MHz] | P/M Reading [dBm] | Cable Loss [dB] | Atten. [dB] | Result | | Limit | | Margin [dB] |
|---------|----------------|-------------------------|-----------------------|----------------|--------|------|-------|------|----------------|
| | | | | | [dBm] | [mW] | [dBm] | [mW] | |
| Low | 2402.0 | -0.17 | 0.74 | 0.00 | 0.57 | 1.14 | 20.97 | 125 | 20.40 |
| Mid | 2441.0 | -0.07 | 0.74 | 0.00 | 0.67 | 1.17 | 20.97 | 125 | 20.30 |
| High | 2480.0 | -0.25 | 0.75 | 0.00 | 0.50 | 1.12 | 20.97 | 125 | 20.47 |
| Inquiry | 2441.0 | -0.54 | 0.74 | 0.00 | 0.20 | 1.05 | 20.97 | 125 | 20.77 |

Sample Calculation:

Result = Reading + Cable Loss + Attenuator

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

Radiated Spurious Emission (below 1GHz)
Tx, Ch. Low

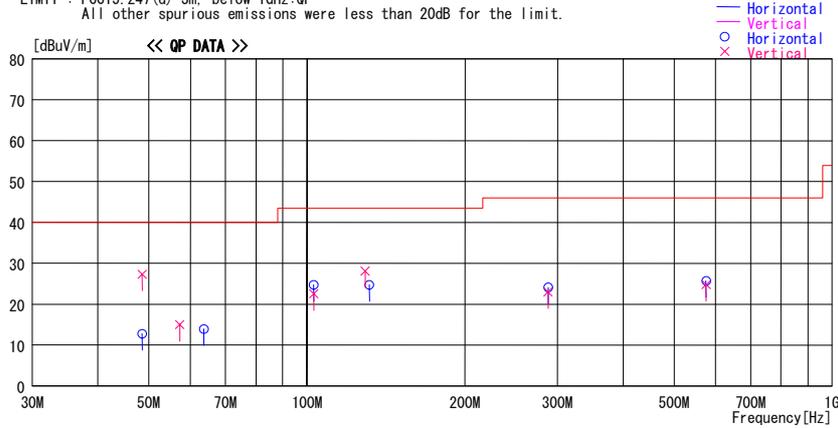
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/01/10

Company : Sony Corporation
Kind of EUT : Bluetooth Audio System
Model No. : MEX-BT3600U
Serial No. : 26
Report No. : 28DE0165-HO-01
Power : DC 12V
Temp./Humi. : 26deg. C. / 39%
Operator : Takahiro Hatakeda

Mode / Remarks : Tx 2402MHz, DH5 / EUT Normal position

LIMIT : FCC15.247(d) 3m, below 1GHz:QP
All other spurious emissions were less than 20dB for the limit.



| Frequency [MHz] | Reading [dBuV] | DET | Antenna | Loss& | Level [dBuV/m] | Angle [Deg] | Height [cm] | Polar. | Limit [dBuV/m] | Margin [dB] | Comment |
|--------------------|-------------------|-----|------------------|--------------|-------------------|----------------|----------------|--------|-------------------|----------------|---------|
| | | | Factor [dB/m] | Gain [dB] | | | | | | | |
| 48.587 | 26.5 | QP | 11.0 | -24.7 | 12.8 | 165 | 318 | Hori. | 40.0 | 27.2 | |
| 48.587 | 41.0 | QP | 11.0 | -24.7 | 27.3 | 140 | 100 | Vert. | 40.0 | 12.7 | |
| 57.277 | 30.4 | QP | 9.1 | -24.5 | 15.0 | 85 | 100 | Vert. | 40.0 | 25.0 | |
| 63.595 | 30.2 | QP | 8.1 | -24.4 | 13.9 | 168 | 309 | Hori. | 40.0 | 26.1 | |
| 103.107 | 35.6 | QP | 10.9 | -24.0 | 22.5 | 101 | 100 | Vert. | 43.5 | 21.0 | |
| 103.107 | 37.8 | QP | 10.9 | -24.0 | 24.7 | 321 | 172 | Hori. | 43.5 | 18.8 | |
| 129.188 | 37.9 | QP | 13.8 | -23.6 | 28.1 | 226 | 100 | Vert. | 43.5 | 15.4 | |
| 131.527 | 34.3 | QP | 14.0 | -23.6 | 24.7 | 319 | 236 | Hori. | 43.5 | 18.8 | |
| 288.002 | 26.1 | QP | 19.1 | -22.2 | 23.0 | 22 | 100 | Vert. | 46.0 | 23.0 | |
| 288.005 | 27.2 | QP | 19.1 | -22.2 | 24.1 | 359 | 346 | Hori. | 46.0 | 21.9 | |
| 576.004 | 27.1 | QP | 19.0 | -20.4 | 25.7 | 330 | 152 | Hori. | 46.0 | 20.3 | |
| 576.007 | 26.2 | QP | 19.0 | -20.4 | 24.8 | 179 | 100 | Vert. | 46.0 | 21.2 | |

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)

*The test result is rounded off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Tx, Ch. Mid

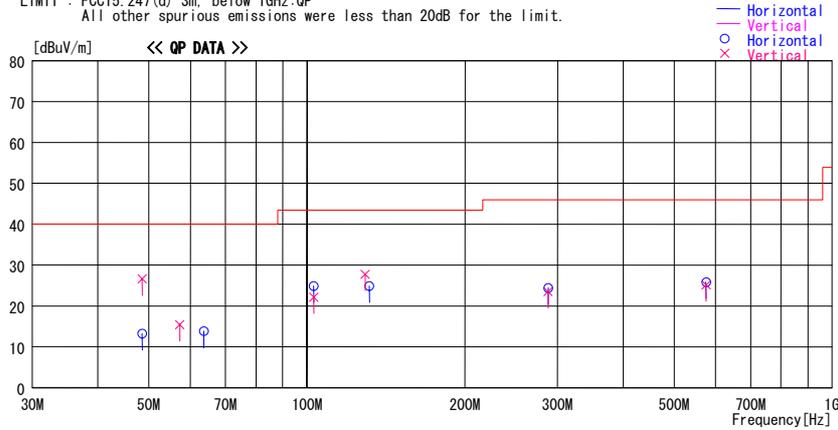
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No. 3 Semi Anechoic Chamber
Date : 2008/01/10

Company : Sony Corporation Report No. : 28DE0165-HO-01
Kind of EUT : Bluetooth Audio System Power : DC 12V
Model No. : MEX-BT3600U Temp./Humi. : 26deg. C. / 39%
Serial No. : 26 Operator : Takahiro Hatakeda

Mode / Remarks : Tx 2441MHz, DH5 / EUT Normal position

LIMIT : FCC15.247(d) 3m, below 1GHz:QP
All other spurious emissions were less than 20dB for the limit.



| Frequency [MHz] | Reading [dBuV] | DET | Antenna | Loss& | Level [dBuV/m] | Angle [Deg] | Height [cm] | Polar. | Limit [dBuV/m] | Margin [dB] | Comment |
|--------------------|-------------------|-----|------------------|--------------|-------------------|----------------|----------------|--------|-------------------|----------------|---------|
| | | | Factor [dB/m] | Gain [dB] | | | | | | | |
| 48.586 | 27.0 | QP | 11.0 | -24.7 | 13.3 | 143 | 322 | Hori. | 40.0 | 26.7 | |
| 48.587 | 40.3 | QP | 11.0 | -24.7 | 26.6 | 155 | 100 | Vert. | 40.0 | 13.4 | |
| 57.278 | 30.9 | QP | 9.1 | -24.5 | 15.5 | 88 | 100 | Vert. | 40.0 | 24.5 | |
| 63.597 | 30.1 | QP | 8.1 | -24.4 | 13.8 | 179 | 310 | Hori. | 40.0 | 26.2 | |
| 103.105 | 38.0 | QP | 10.9 | -24.0 | 24.9 | 331 | 190 | Hori. | 43.5 | 18.6 | |
| 103.106 | 35.3 | QP | 10.9 | -24.0 | 22.2 | 96 | 100 | Vert. | 43.5 | 21.3 | |
| 129.189 | 37.6 | QP | 13.8 | -23.6 | 27.8 | 234 | 100 | Vert. | 43.5 | 15.7 | |
| 131.530 | 34.5 | QP | 14.0 | -23.6 | 24.9 | 305 | 241 | Hori. | 43.5 | 18.6 | |
| 288.001 | 27.5 | QP | 19.1 | -22.2 | 24.4 | 359 | 355 | Hori. | 46.0 | 21.6 | |
| 288.001 | 26.6 | QP | 19.1 | -22.2 | 23.5 | 15 | 100 | Vert. | 46.0 | 22.5 | |
| 576.002 | 27.3 | QP | 19.0 | -20.4 | 25.9 | 322 | 144 | Hori. | 46.0 | 20.1 | |
| 576.002 | 26.6 | QP | 19.0 | -20.4 | 25.2 | 188 | 100 | Vert. | 46.0 | 20.8 | |

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)

*The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (below 1GHz)
Rx, Ch. Mid

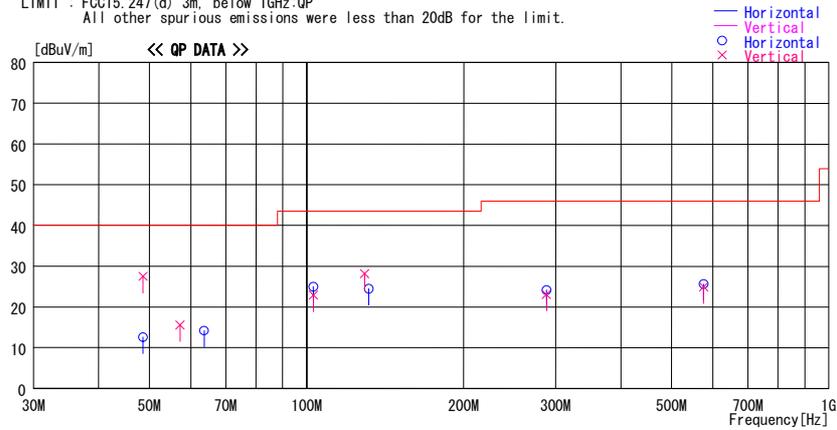
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.3 Semi Anechoic Chamber
 Date : 2008/01/10

Company : Sony Corporation
 Kind of EUT : Bluetooth Audio System
 Model No. : MEX-BT3600U
 Serial No. : 26
 Report No. : 28DE0165-HO-01
 Power : DC 12V
 Temp./Humi. : 26deg.C / 39%
 Operator : Takahiro Hatakeda

Mode / Remarks : Rx 2441MHz / EUT Normal position

LIMIT : FCC15.247(d) 3m, below 1GHz:QP
 All other spurious emissions were less than 20dB for the limit.



| Frequency | Reading | DET | Antenna Factor | Loss& Gain | Level | Angle | Height | Polar. | Limit | Margin | Comment |
|-----------|---------|-----|----------------|------------|----------|-------|--------|--------|----------|--------|---------|
| [MHz] | [dBuV] | | [dB/m] | [dB] | [dBuV/m] | [Deg] | [cm] | | [dBuV/m] | [dB] | |
| 48.587 | 26.3 | QP | 11.0 | -24.7 | 12.6 | 178 | 301 | Hori. | 40.0 | 27.4 | |
| 48.587 | 41.2 | QP | 11.0 | -24.7 | 27.5 | 151 | 100 | Vert. | 40.0 | 12.5 | |
| 57.280 | 31.0 | QP | 9.1 | -24.5 | 15.6 | 91 | 100 | Vert. | 40.0 | 24.4 | |
| 63.591 | 30.5 | QP | 8.1 | -24.4 | 14.2 | 182 | 311 | Hori. | 40.0 | 25.8 | |
| 103.107 | 38.1 | QP | 10.9 | -24.0 | 25.0 | 322 | 180 | Hori. | 43.5 | 18.5 | |
| 103.107 | 36.0 | QP | 10.9 | -24.0 | 22.9 | 92 | 100 | Vert. | 43.5 | 20.6 | |
| 129.189 | 38.0 | QP | 13.8 | -23.6 | 28.2 | 201 | 100 | Vert. | 43.5 | 15.3 | |
| 131.530 | 34.1 | QP | 14.0 | -23.6 | 24.5 | 334 | 241 | Hori. | 43.5 | 19.0 | |
| 288.005 | 26.2 | QP | 19.1 | -22.2 | 23.1 | 30 | 100 | Vert. | 46.0 | 22.9 | |
| 288.007 | 27.3 | QP | 19.1 | -22.2 | 24.2 | 359 | 331 | Hori. | 46.0 | 21.8 | |
| 576.010 | 26.3 | QP | 19.0 | -20.4 | 24.9 | 319 | 144 | Vert. | 46.0 | 21.1 | |
| 576.011 | 27.0 | QP | 19.0 | -20.4 | 25.6 | 157 | 100 | Hori. | 46.0 | 20.4 | |

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)

*The test result is round off to one or two decimal places, so some differences might be observed.

Radiated Spurious Emission (above 1GHz)
Tx, Ch. Low

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

| | | | |
|------------|--------------------------|---------------|----------------------------|
| Company | : Sony Corporation | REPORT NO | : 28DE0165-HO-01 |
| Equipment | : Bluetooth Audio System | REGULATION | : FCC15.247(d)/RSS-210A8.5 |
| Model No. | : MEX-BT3600U | TEST DISTANCE | : 3/1m |
| Sample No. | : 26 | DATE | : 01/10/2008 |
| Power | : DC 12V | TEMPERATURE | : 26deg.C |
| Mode | : Tx 2402MHz, DH5 | HUMIDITY | : 39% |
| Remarks | : EUT Normal position | ENGINEER | : Takahiro Hatakeda |

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

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit PK [dBuV/m] | MARGIN | |
|-------------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1602.0 | 50.3 | 51.5 | 26.0 | 32.5 | 2.3 | 0.0 | 46.1 | 47.3 | 73.9 | 27.8 | 26.6 |
| 2 | 2390.0 | 42.4 | 42.5 | 27.3 | 31.5 | 3.0 | 0.0 | 41.2 | 41.3 | 73.9 | 32.7 | 32.6 |
| 3 ^{*1} | 2400.0 | 69.0 | 71.0 | 27.3 | 31.5 | 3.0 | 0.0 | 67.8 | 69.8 | - | - | - |
| 4 | 4804.0 | 39.9 | 39.6 | 31.5 | 30.8 | 4.3 | 0.8 | 45.7 | 45.4 | 73.9 | 28.2 | 28.5 |
| 5 | 7206.0 | 41.1 | 41.3 | 35.8 | 31.3 | 5.0 | 0.7 | 51.3 | 51.5 | 73.9 | 22.6 | 22.4 |
| 6 | 9608.0 | 41.5 | 41.5 | 38.2 | 31.9 | 6.0 | 1.1 | 54.9 | 54.9 | 73.9 | 19.0 | 19.0 |
| Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac | | | | | | | | | | | | |
| 7 | 12010.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 8 | 14412.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 9 | 16814.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 10 | 19216.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 11 | 21618.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 12 | 24020.0 | 46.6 | 46.7 | 38.7 | 30.5 | 9.3 | 0.0 | 54.6 | 54.7 | 73.9 | 19.3 | 19.2 |

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

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit AV [dBuV/m] | MARGIN | |
|-------------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1602.0 | 46.2 | 47.6 | 26.0 | 32.5 | 2.3 | 0.0 | 42.0 | 43.4 | 53.9 | 11.9 | 10.5 |
| 2 | 2390.0 | 30.4 | 31.0 | 27.3 | 31.5 | 3.0 | 0.0 | 29.2 | 29.8 | 53.9 | 24.7 | 24.1 |
| 3 ^{*1} | 2400.0 | 58.6 | 60.2 | 27.3 | 31.5 | 3.0 | 0.0 | 57.4 | 59.0 | - | - | - |
| 4 | 4804.0 | 28.2 | 28.0 | 31.5 | 30.8 | 4.3 | 0.8 | 34.0 | 33.8 | 53.9 | 19.9 | 20.1 |
| 5 | 7206.0 | 29.8 | 29.8 | 35.8 | 31.3 | 5.0 | 0.7 | 40.0 | 40.0 | 53.9 | 13.9 | 13.9 |
| 6 | 9608.0 | 29.9 | 29.7 | 38.2 | 31.9 | 6.0 | 1.1 | 43.3 | 43.1 | 53.9 | 10.6 | 10.8 |
| Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac | | | | | | | | | | | | |
| 7 | 12010.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 8 | 14412.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 9 | 16814.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 10 | 19216.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 11 | 21618.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 12 | 24020.0 | 34.9 | 34.9 | 38.7 | 30.5 | 9.3 | 0.0 | 42.9 | 42.9 | 53.9 | 11.0 | 11.0 |

20dBc(Fundamental 2402MHz) (RBW: 100kHz, VBW: 300kHz)

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit 20dBc [dBuV/m] | MARGIN | |
|------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|--------|------|----------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 0 | 2402.0 | 93.5 | 95.7 | 27.3 | 31.5 | 3.0 | 0.0 | 92.3 | 94.5 | - | - | - |
| 3 | 2400.0 | 46.6 | 48.5 | 27.3 | 31.5 | 3.0 | 0.0 | 45.4 | 47.3 | Funda-20dB | 26.9 | 27.2 |

*1 : Reference data
*Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.5dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*In the frequency over the 2nd harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The test result is round off to one or two decimal places, so some differences might be observed.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*NS : Non Signal

Radiated Spurious Emission (above 1GHz)
Tx, Ch. Mid

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

| | | | |
|------------|--------------------------|---------------|----------------------------|
| Company | : Sony Corporation | REPORT NO | : 28DE0165-HO-01 |
| Equipment | : Bluetooth Audio System | REGULATION | : FCC15.247(d)/RSS-210A8.5 |
| Model No. | : MEX-BT3600U | TEST DISTANCE | : 3/1m |
| Sample No. | : 26 | DATE | : 01/10/2008 |
| Power | : DC 12V | TEMPERATURE | : 26deg.C |
| Mode | : Tx 2441MHz, DHS | HUMIDITY | : 39% |
| Remarks | : EUT Normal position | ENGINEER | : Takahiro Hatakeda |

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

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit PK [dBuV/m] | MARGIN | |
|-------------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|----------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| | | [dBuV] | | | | | | [dBuV/m] | | [dB] | | |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1628.0 | 49.7 | 54.2 | 26.1 | 32.4 | 2.3 | 0.0 | 45.7 | 50.2 | 73.9 | 28.2 | 23.7 |
| 2 | 4882.0 | 39.5 | 39.5 | 31.7 | 30.7 | 4.3 | 0.8 | 45.6 | 45.6 | 73.9 | 28.3 | 28.3 |
| 3 | 7323.0 | 41.8 | 41.7 | 35.9 | 31.3 | 5.1 | 0.7 | 52.2 | 52.1 | 73.9 | 21.7 | 21.8 |
| 4 | 9764.0 | 42.6 | 42.4 | 38.2 | 32.1 | 6.0 | 1.2 | 55.9 | 55.7 | 73.9 | 18.0 | 18.2 |
| Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac | | | | | | | | | | | | |
| 5 | 12205.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 6 | 14646.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 7 | 17087.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 8 | 19528.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 9 | 21969.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 10 | 24410.0 | 46.7 | 46.7 | 38.8 | 30.3 | 9.4 | 0.0 | 55.1 | 55.1 | 73.9 | 18.8 | 18.8 |

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

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit AV [dBuV/m] | MARGIN | |
|-------------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|----------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| | | [dBuV] | | | | | | [dBuV/m] | | [dB] | | |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1628.0 | 45.4 | 51.7 | 26.1 | 32.4 | 2.3 | 0.0 | 41.4 | 47.7 | 53.9 | 12.5 | 6.2 |
| 2 | 4882.0 | 27.5 | 27.8 | 31.7 | 30.7 | 4.3 | 0.8 | 33.6 | 33.9 | 53.9 | 20.3 | 20.0 |
| 3 | 7323.0 | 29.5 | 29.3 | 35.9 | 31.3 | 5.1 | 0.7 | 39.9 | 39.7 | 53.9 | 14.0 | 14.2 |
| 4 | 9764.0 | 30.4 | 30.1 | 38.2 | 32.1 | 6.0 | 1.2 | 43.7 | 43.4 | 53.9 | 10.2 | 10.5 |
| Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac | | | | | | | | | | | | |
| 5 | 12205.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 6 | 14646.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 7 | 17087.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 8 | 19528.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 9 | 21969.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 10 | 24410.0 | 35.1 | 35.1 | 38.8 | 30.3 | 9.4 | 0.0 | 43.5 | 43.5 | 53.9 | 10.4 | 10.4 |

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

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

*In the frequency over the 2nd harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The test result is round off to one or two decimal places, so some differences might be observed.

*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

*NS : Non Signal

Radiated Spurious Emission (above 1GHz)
Tx, Ch. High

UL Japan, Inc.
Head Office EMC Lab. No.3 Semi Anechoic Chamber

| | | | |
|------------|--------------------------|---------------|----------------------------|
| Company | : Sony Corporation | REPORT NO | : 28DE0165-HO-01 |
| Equipment | : Bluetooth Audio System | REGULATION | : FCC15.247(d)/RSS-210A8.5 |
| Model No. | : MEX-BT3600U | TEST DISTANCE | : 3/1m |
| Sample No. | : 26 | DATE | : 01/10/2008 |
| Power | : DC 12V | TEMPERATURE | : 26deg.C |
| Mode | : Tx 2480MHz, DH5 | HUMIDITY | : 39% |
| Remarks | : EUT Normal position | ENGINEER | : Takahiro Hatakeda |

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

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit PK [dBuV/m] | MARGIN | |
|-------------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1654.0 | 50.6 | 54.9 | 26.1 | 32.4 | 2.4 | 0.0 | 46.7 | 51.0 | 73.9 | 27.2 | 22.9 |
| 2 | 2483.5 | 52.5 | 55.5 | 27.4 | 31.5 | 3.1 | 0.0 | 51.5 | 54.5 | 73.9 | 22.4 | 19.4 |
| 3 | 4960.0 | 39.6 | 39.7 | 31.8 | 30.7 | 4.4 | 0.8 | 45.9 | 46.0 | 73.9 | 28.0 | 27.9 |
| 4 | 7440.0 | 41.7 | 41.6 | 36.1 | 31.3 | 5.2 | 0.7 | 52.4 | 52.3 | 73.9 | 21.5 | 21.6 |
| 5 | 9920.0 | 42.6 | 42.6 | 38.2 | 32.2 | 6.0 | 1.2 | 55.8 | 55.8 | 73.9 | 18.1 | 18.1 |
| Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac | | | | | | | | | | | | |
| 6 | 12400.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 7 | 14880.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 8 | 17360.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 9 | 19840.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 10 | 22320.0 | NS | NS | - | - | - | - | - | - | 73.9 | - | - |
| 11 | 24800.0 | 47.3 | 47.2 | 38.9 | 30.1 | 9.4 | 0.0 | 56.0 | 55.9 | 73.9 | 17.9 | 18.0 |

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

| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit AV [dBuV/m] | MARGIN | |
|-------------------------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|--------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1654.0 | 46.6 | 51.7 | 26.1 | 32.4 | 2.4 | 0.0 | 42.7 | 47.8 | 53.9 | 11.2 | 6.1 |
| 2 | 2483.5 | 45.9 | 47.7 | 27.4 | 31.5 | 3.1 | 0.0 | 44.9 | 46.7 | 53.9 | 9.0 | 7.2 |
| 3 | 4960.0 | 27.7 | 27.7 | 31.8 | 30.7 | 4.4 | 0.8 | 34.0 | 34.0 | 53.9 | 19.9 | 19.9 |
| 4 | 7440.0 | 30.2 | 30.0 | 36.1 | 31.3 | 5.2 | 0.7 | 40.9 | 40.7 | 53.9 | 13.0 | 13.2 |
| 5 | 9920.0 | 30.7 | 30.2 | 38.2 | 32.2 | 6.0 | 1.2 | 43.9 | 43.4 | 53.9 | 10.0 | 10.5 |
| Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac | | | | | | | | | | | | |
| 6 | 12400.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 7 | 14880.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 8 | 17360.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 9 | 19840.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 10 | 22320.0 | NS | NS | - | - | - | - | - | - | 53.9 | - | - |
| 11 | 24800.0 | 35.9 | 35.9 | 38.9 | 30.1 | 9.4 | 0.0 | 44.6 | 44.6 | 53.9 | 9.3 | 9.3 |

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

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

*In the frequency over the 2nd harmonic, the noise from the EUT was not seen. The data above is its base noise.

*The test result is round off to one or two decimal places, so some differences might be observed.

*Hi-Pass Filter was not used for factor 0.0dB of the above table.

*NS : Non Signal

Radiated Spurious Emission (above 1GHz)
Rx, Ch. Mid

UL Japan, Inc.
 Head Office EMC Lab. No.3 Semi Anechoic Chamber

| | | | |
|------------|--------------------------|---------------|----------------------------|
| Company | : Sony Corporation | REPORT NO | : 28DE0165-HO-01 |
| Equipment | : Bluetooth Audio System | REGULATION | : FCC15.247(d)/RSS-210A8.5 |
| Model No. | : MEX-BT3600U | TEST DISTANCE | : 3m |
| Sample No. | : 26 | DATE | : 01/10/2008 |
| Power | : DC 12V | TEMPERATURE | : 26deg.C |
| Mode | : Rx 2441MHz | HUMIDITY | : 39% |
| Remarks | : EUT Normal position | ENGINEER | : Takahiro Hatakeda |

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

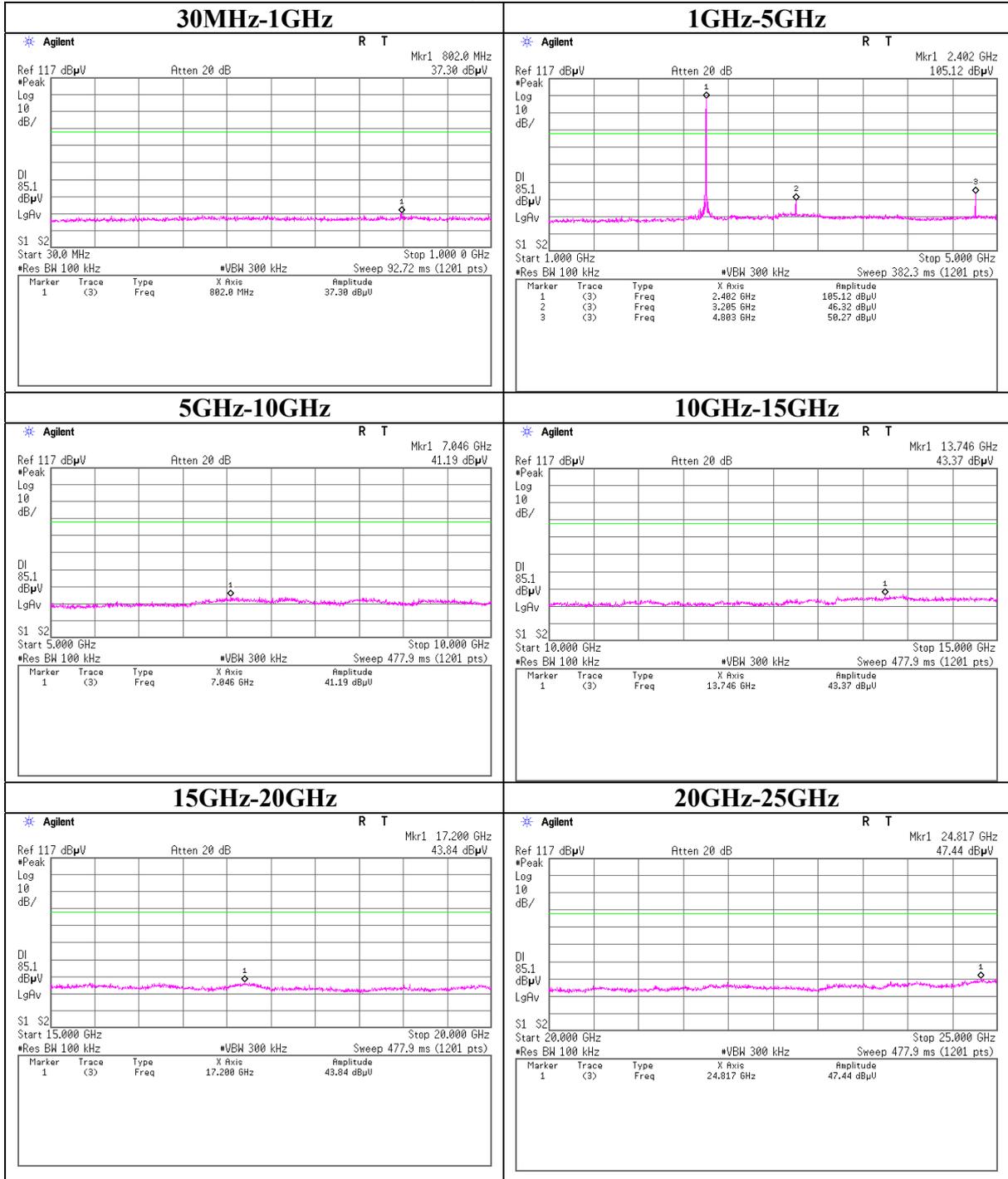
| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit PK [dBuV/m] | MARGIN | |
|-----------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|----------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| | | [dBuV] | | | | | | [dBuV/m] | | [dB] | | |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1626.3 | 50.9 | 54.1 | 26.1 | 32.4 | 2.3 | 0.0 | 46.9 | 50.1 | 73.9 | 27.0 | 23.8 |
| 2 | 2441.0 | 42.3 | 42.4 | 27.4 | 31.5 | 3.1 | 0.0 | 41.3 | 41.4 | 73.9 | 32.6 | 32.5 |
| 3 | 7323.0 | 41.8 | 41.8 | 35.9 | 31.3 | 4.6 | 0.0 | 51.0 | 51.0 | 73.9 | 22.9 | 22.9 |

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

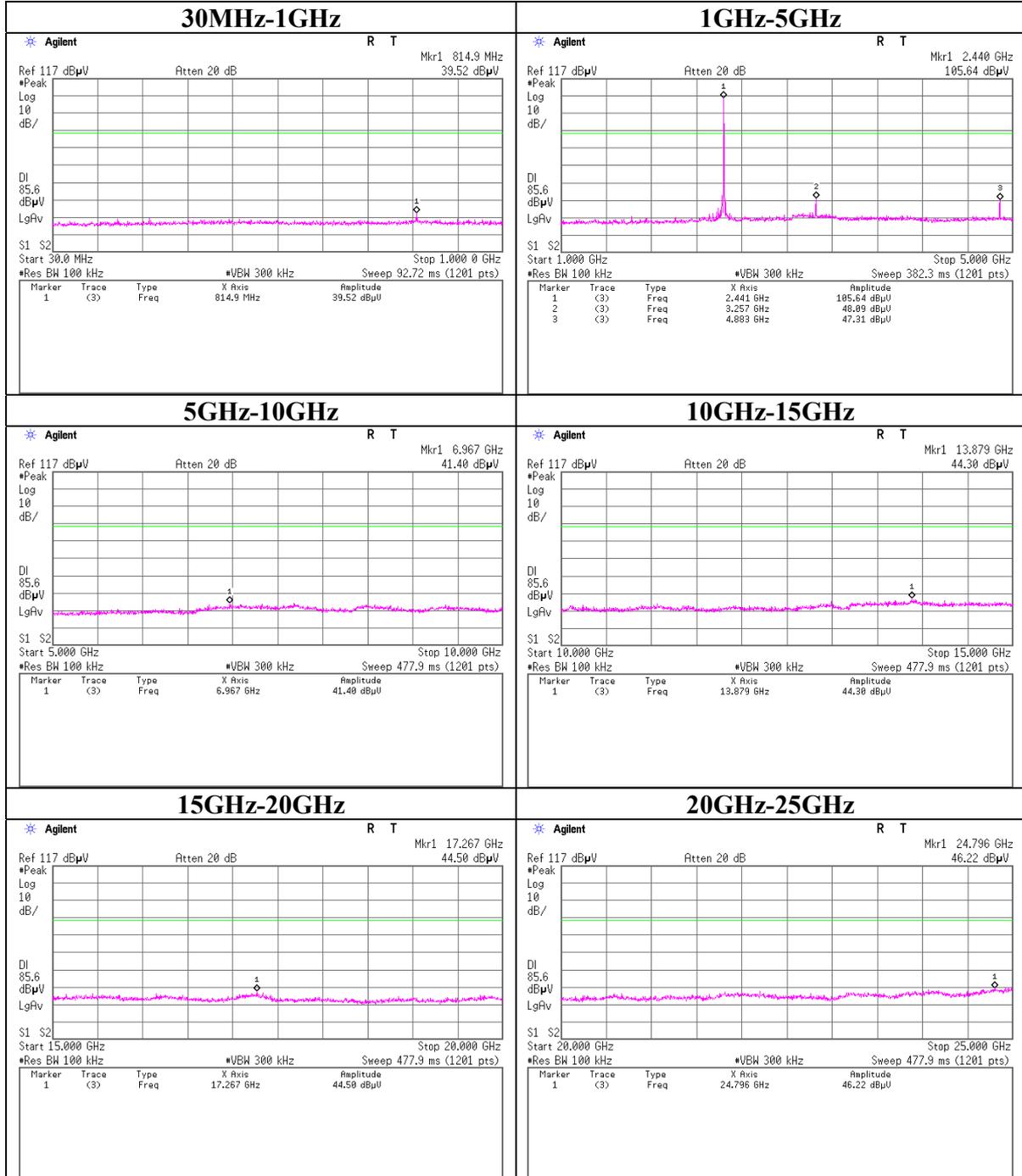
| No. | FREQ [MHz] | S/A READING | | ANT Factor [dB/m] | AMP GAIN [dB] | CABLE LOSS [dB] | Hi-Pass Filter [dB] | RESULT | | Limit AV [dBuV/m] | MARGIN | |
|-----------------------------------------------------------------------------------------|---------------|-------------|------|-------------------------|---------------------|-----------------------|---------------------------|----------|------|-------------------------|--------|------|
| | | HOR | VER | | | | | HOR | VER | | HOR | VER |
| | | [dBuV] | | | | | | [dBuV/m] | | [dB] | | |
| Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss | | | | | | | | | | | | |
| 1 | 1626.3 | 46.7 | 51.7 | 26.1 | 32.4 | 2.3 | 0.0 | 42.7 | 47.7 | 53.9 | 11.2 | 6.2 |
| 2 | 2441.0 | 29.6 | 29.7 | 27.4 | 31.5 | 3.1 | 0.0 | 28.6 | 28.7 | 53.9 | 25.3 | 25.2 |
| 3 | 7323.0 | 29.8 | 29.8 | 35.9 | 31.3 | 4.6 | 0.0 | 39.0 | 39.0 | 53.9 | 14.9 | 14.9 |

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
 *The test result is round off to one or two decimal places, so some differences might be observed.
 *Hi-Pass Fiter was not used for factor 0.0dB of the above table.

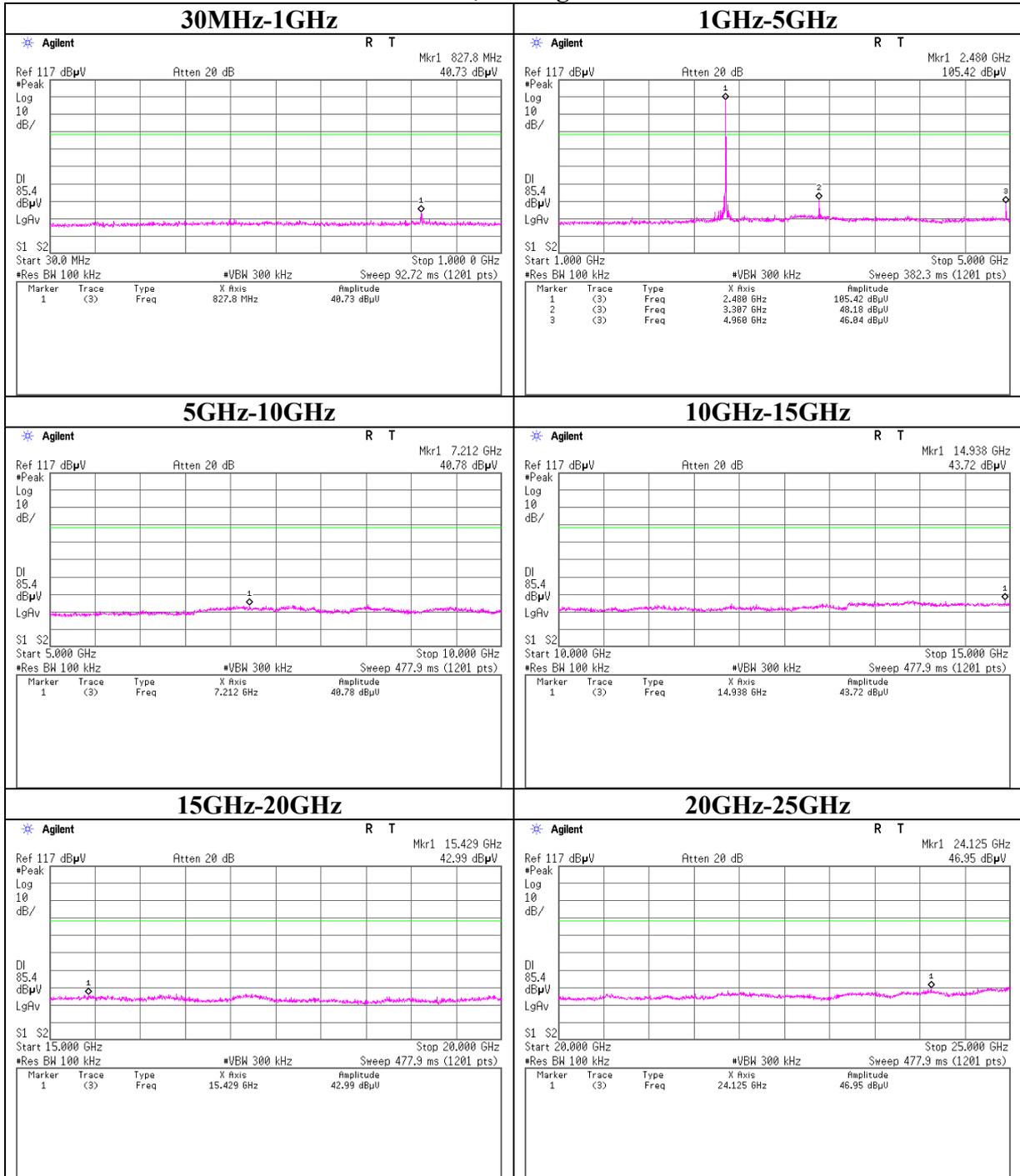
Conducted Spurious Emission
Tx, Ch:Low



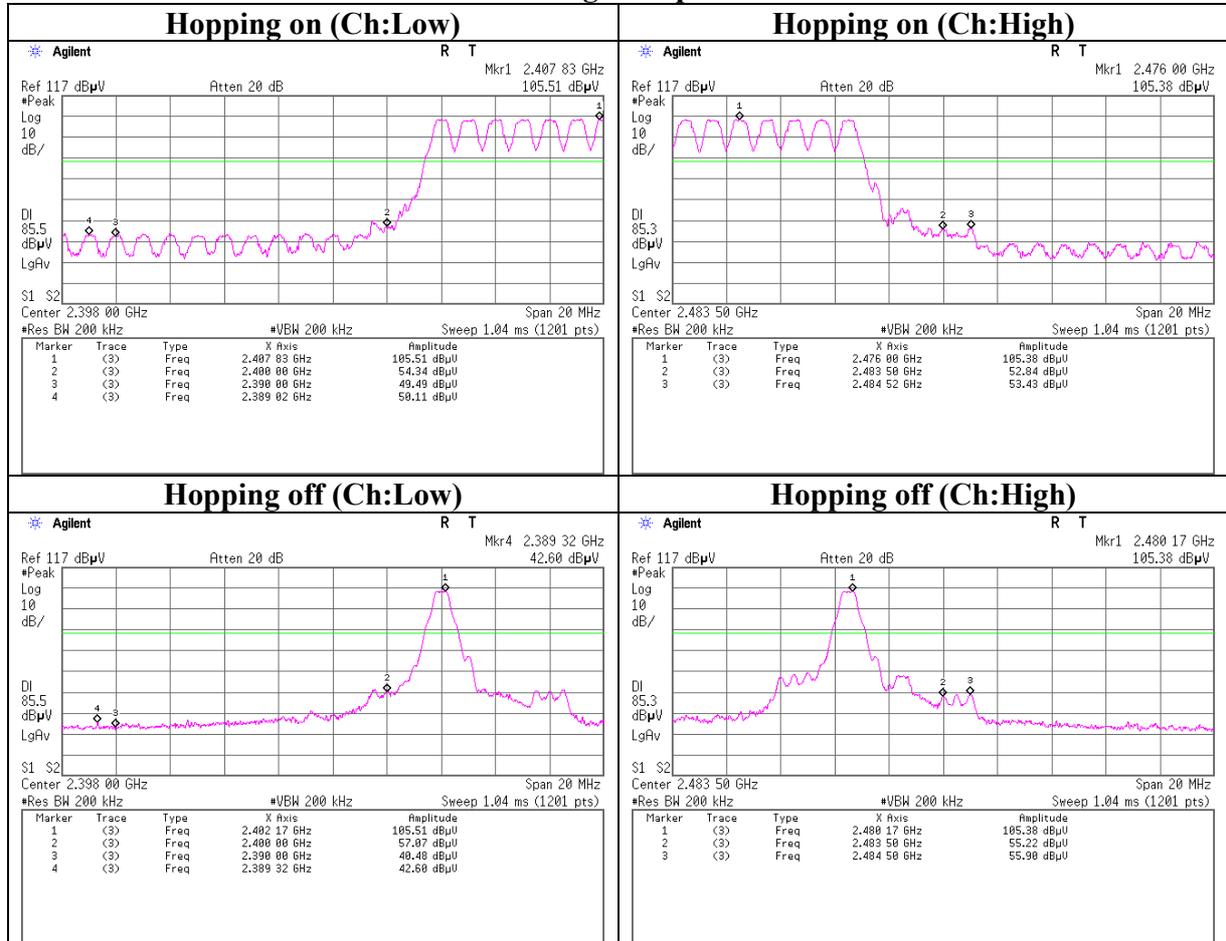
Conducted Spurious Emission
Tx, Ch:Mid



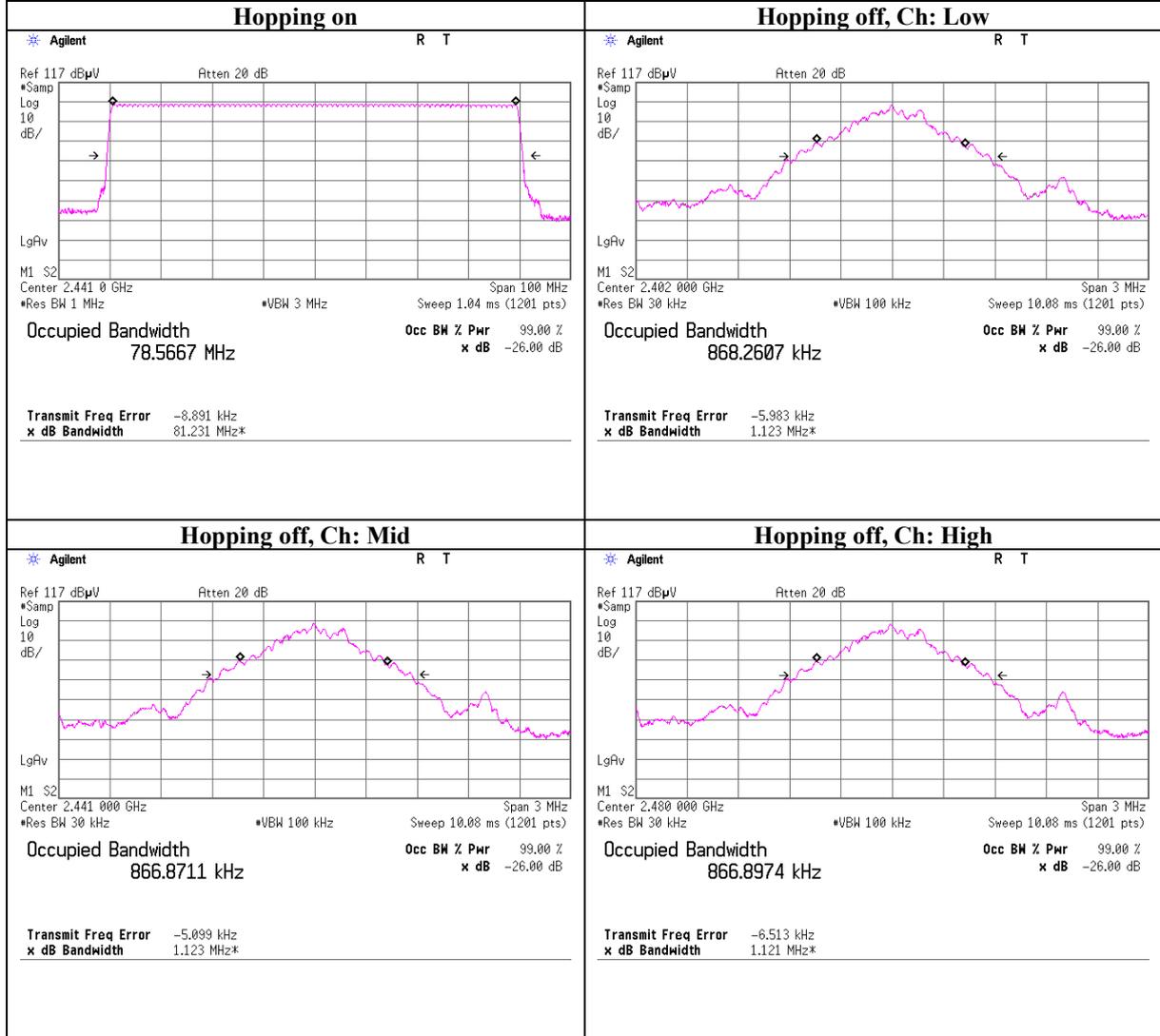
Conducted Spurious Emission
Tx, Ch:High



Conducted Spurious Emission
Band Edge compliance



99% Occupied Bandwidth



*Refer to 20dB Bandwidth for 99% Occupied Bandwidth, inquiry mode

APPENDIX 3:Test instruments

EMI test equipment

| Control No. | Instrument | Manufacturer | Model No | Test Item | Calibration Date * Interval(month) |
|-------------|------------------------------|-------------------|--------------------------|-----------|---------------------------------------|
| MOS-14 | Thermo-Hygrometer | Custom | CTH-180 | AT | 2006/01/19 * 24 |
| MPM-09 | Power Meter | Anritsu | ML2495A | AT | 2007/09/22 * 12 |
| MPSE-12 | Power sensor | Anritsu | MA2411B | AT | 2007/09/22 * 12 |
| MCC-36 | Microwave Cable | Hirose Electric | U.FL-2LP-066-A-(200) | AT | 2007/11/06 * 12 |
| MCC-65 | Microwave Cable 1G-40GHz | Schner | SUCOFLEX102 | AT | 2007/04/03 * 12 |
| MSA-03 | Spectrum Analyzer | Agilent | E4448A | AT | 2007/09/05 * 12 |
| MAEC-03 | Anechoic Chamber | TDK | Semi Anechoic Chamber 3m | RE | 2007/03/05 * 12 |
| MOS-13 | Thermo-Hygrometer | Custom | CTH-180 | RE | 2006/01/19 * 24 |
| MJM-06 | Measure | PROMART | SEN1955 | RE | - |
| MSTW-14 | EMI measurement program | TSJ | TEPTO-DV | RE | - |
| MBA-03 | Biconical Antenna | Schwarzbeck | BBA9106 | RE | 2007/01/19 * 12 |
| MLA-03 | Logperiodic Antenna | Schwarzbeck | USLP9143 | RE | 2007/01/19 * 12 |
| MAT-30 | Attenuator(6dB) | TME | UFA-01 | RE | 2007/03/05 * 12 |
| MCC-51 | Coaxial cable | UL Japan | - | RE | 2007/07/26 * 12 |
| MPA-13 | Pre Amplifier | SONOMA INSTRUMENT | 310 | RE | 2007/03/16 * 12 |
| MTR-02 | Test Receiver | Rohde & Schwarz | ESCS30 | RE | 2007/02/03 * 12 |
| MHA-20 | Horn Antenna 1-18GHz | Schwarzbeck | BBHA9120D | RE | 2007/04/14 * 12 |
| MCC-56 | Microwave Cable 1G-26.5GHz | Suhner | SUCOFLEX104 | RE | 2007/03/29 * 12 |
| MPA-11 | MicroWave System Amplifier | Agilent | 83017A | RE | 2007/03/02 * 12 |
| MHF-19 | High Pass Filter 3.5-18.0GHz | TOKIMEC | TF323DCA | RE | 2007/12/10 * 12 |
| MCC-78 | Microwave Cable 1G-26.5GHz | Suhner | SUCOFLEX104 | RE | 2007/12/26 * 12 |
| MHA-16 | Horn Antenna 15-40GHz | Schwarzbeck | BBHA9170 | RE | 2007/04/06 * 12 |
| MSA-09 | Spectrum Analyzer | Advantest | R3273 | RE | 2007/12/21 * 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.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

**Test Item: RE: Radiated Emission
AT: Antenna Terminal Conducted test**

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