Page : 20 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

APPENDIX 2: Data of EMI test

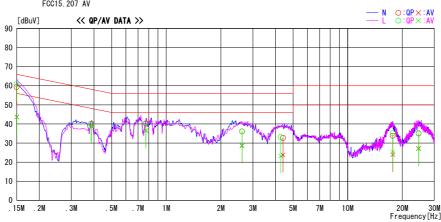
Conducted Emission (Power Supply: SONY)

DATA OF CONDUCTED EMISSION TEST UL Japan, Inc. Head Office EMC Lab. No. 2 Semi Anechoic Chamber Date: 2009/12/10

: 30EE0055-H0-01 Temp./Humi. Engineer : 23deg.C / 35% : Takeshi Choda

Mode / Remarks : BT, Tx, DH5, 2402MHz

LIMIT : FCC15.207 QP FCC15.207 AV



| - | Reading | Level | Corr. | Resu | ılts | Lir | nit | Mar | gin | |
|-----------|---------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| Frequency | QP | AV | Factor | QP | AV | QP | AV | QP | AV | Phase |
| [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | |
| 0.15000 | 59.1 | 43. 4 | 0. 3 | 59. 4 | 43. 7 | 66. 0 | 56. 0 | 6. 6 | 12. 3 | N |
| 0.15000 | 60.5 | 43. 3 | 0. 3 | 60.8 | 43. 6 | 66. 0 | 56. 0 | 5. 2 | 12. 4 | L. |
| 0.38664 | 39.6 | 38. 4 | 0. 3 | 39. 9 | 38. 7 | 58. 1 | 48. 1 | 18. 2 | 9. 4 | L |
| 0.38658 | 39.8 | 38. 5 | 0. 3 | 40. 1 | 38. 8 | 58. 1 | 48. 1 | 18. 0 | 9. 3 | N |
| 0.77316 | 39.8 | 36. 1 | 0.4 | 40. 2 | 36. 5 | 56.0 | 46. 0 | 15. 8 | 9. 5 | N |
| 0.77318 | 40.0 | 36. 0 | 0.4 | 40. 4 | 36. 4 | 56.0 | 46. 0 | 15. 6 | 9. 6 | L. |
| 2.61596 | 35.5 | 28. 0 | 0. 6 | 36. 1 | 28. 6 | 56.0 | 46. 0 | 19. 9 | 17. 4 | N |
| 2. 61587 | 35.6 | 28. 2 | 0. 6 | 36. 2 | 28. 8 | 56.0 | 46. 0 | 19.8 | 17. 2 | L. |
| 4. 27320 | 32.4 | 22. 4 | 0.8 | 33. 2 | 23. 2 | 56.0 | 46. 0 | 22. 8 | 22. 8 | L |
| 4. 39715 | 31.9 | 23. 0 | 0.8 | 32. 7 | 23. 8 | 56.0 | 46. 0 | 23. 3 | 22. 2 | N |
| 17. 70478 | 31.9 | 22. 1 | 1. 9 | 33.8 | 24. 0 | 60.0 | 50.0 | 26. 2 | 26. 0 | N |
| 17. 70478 | 33.4 | 23. 3 | 1. 9 | 35. 3 | 25. 2 | 60.0 | 50.0 | 24. 7 | 24. 8 | L. |
| 24. 57560 | 32.8 | 24. 9 | 2. 3 | 35. 1 | 27. 2 | 60.0 | 50. 0 | 24. 9 | 22. 8 | N |
| 24. 57560 | 32.6 | 24. 8 | 2. 3 | 34. 9 | 27. 1 | 60.0 | 50.0 | 25. 1 | 22. 9 | L. |
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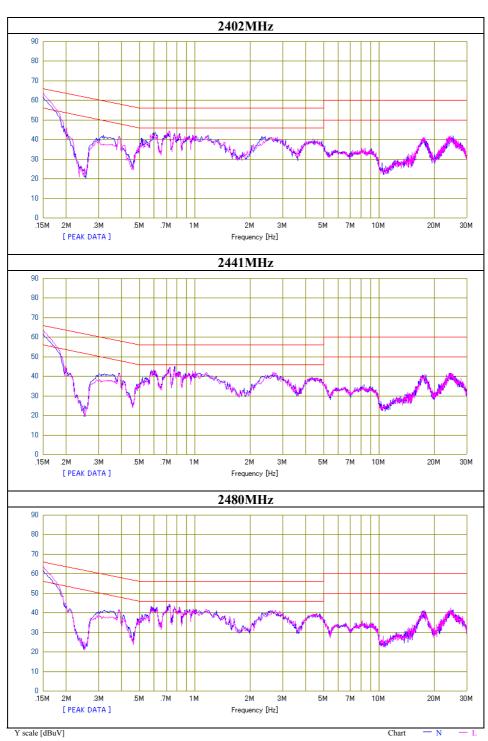
^{*}The test result is rounded off to one or two decimal places, so some differences might be observed.

Page : 21 of 42 Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: SONY)

Test place Head Office EMC Lab. No.2 Semi Anechoic Chamber

Report No. 30EE0055-HO-01
Date 12/10/2009
Temperature/ Humidity 23 deg.C./ 35%
Engineer Takeshi Choda
Mode Tx DH5



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Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 22 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: SONY)

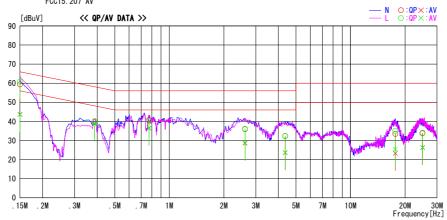
DATA OF CONDUCTED EMISSION TEST

EMC Lab. No. 2 Semi Anechoic Chamber Date : 2009/12/10

: 30EE0055-H0-01 Report No. Temp./Humi. Engineer : 23deg.C / 35% : Takeshi Choda

Mode / Remarks : BT, Tx, 3DH5, 2480MHz

LIMIT : FCC15.207 QP FCC15.207 AV



| Frequency | | g Level | Corr. | Resu | | Lir | | | gin | |
|-----------|--------|---------|--------|--------|--------|--------|--------|-------|-------|-------|
| Frequency | QP | AV | Factor | QP | AV | QP | AV | QP | AV | Phase |
| [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | |
| 0. 15000 | 59.1 | | 0.3 | 59. 4 | 43. 7 | 66. 0 | | 6.6 | 12. 3 | N |
| 0. 38658 | 39.7 | 38. 5 | 0.3 | 40. 0 | | 58. 1 | 48. 1 | 18. 1 | 9.3 | N |
| 0. 77318 | 40.3 | 36. 1 | 0.4 | 40. 7 | 36. 5 | 56.0 | 46.0 | 15. 3 | 9. 5 | N |
| 2. 61587 | 35.3 | 28. 0 | 0.6 | 35. 9 | 28. 6 | 56.0 | 46.0 | 20. 1 | 17. 4 | N |
| 4. 36080 | 31.5 | 22. 9 | 0.8 | 32. 3 | 23. 7 | 56.0 | 46.0 | 23.7 | 22. 3 | N |
| 17. 66460 | 31.6 | 21. 4 | 1.9 | 33. 5 | 23. 3 | 60.0 | 50.0 | 26. 5 | 26. 7 | N |
| 24. 97740 | 31.7 | 24. 0 | 2. 3 | 34. 0 | 26. 3 | 60.0 | 50.0 | 26.0 | 23. 7 | N |
| 0.15000 | 60.5 | 43. 3 | 0.3 | | 43. 6 | 66. 0 | 56.0 | 5. 2 | 12. 4 | L |
| 0. 38661 | 39.7 | 38. 4 | 0.3 | 40.0 | 38. 7 | 58. 1 | 48. 1 | 18. 1 | 9.4 | L |
| 0.77316 | 39.9 | 36. 0 | 0.4 | 40. 3 | 36. 4 | 56.0 | 46.0 | 15. 7 | 9. 6 | L |
| 2.61582 | 35.5 | 28. 2 | 0.6 | 36. 1 | 28. 8 | 56.0 | 46.0 | 19.9 | 17. 2 | L |
| 4. 36080 | 31.6 | 22. 8 | 0.8 | 32. 4 | 23. 6 | 56. 0 | 46.0 | 23. 6 | 22. 4 | L |
| 17. 62442 | 33.1 | 23. 6 | 1.9 | 35. 0 | 25. 5 | 60.0 | 50.0 | 25.0 | 24. 5 | L |
| 24. 93722 | 31.4 | 24. 0 | 2. 3 | 33. 7 | 26. 3 | 60.0 | 50.0 | 26. 3 | 23. 7 | L |
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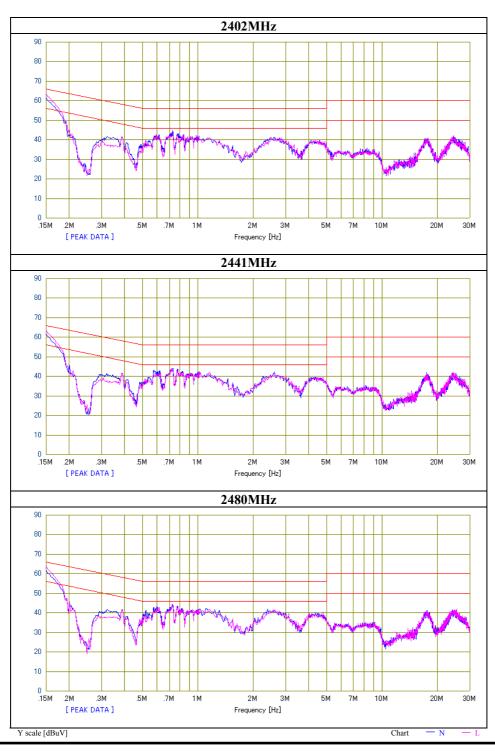
^{*}The test result is rounded off to one or two decimal places, so some differences might be observed.

Page : 23 of 42 Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: SONY)

Test place Head Office EMC Lab. No.2 Semi Anechoic Chamber

Report No. 30EE0055-HO-01
Date 12/10/2009
Temperature/ Humidity 23 deg.C./ 35%
Engineer Takeshi Choda
Mode Tx 3DH5



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Head Office EMC Lab.

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Page : 24 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: SONY)

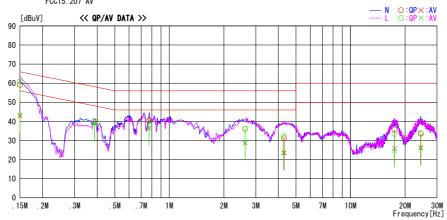
DATA OF CONDUCTED EMISSION TEST

EMC Lab. No. 2 Semi Anechoic Chamber Date : 2009/12/10

: 30EE0055-H0-01 Report No. Temp./Humi. Engineer : 23deg.C / 35% : Takeshi Choda

Mode / Remarks : BT, Rx, 3DH5, 2441MHz

LIMIT : FCC15.207 QP FCC15.207 AV



| Frequency | | g Level | Corr. | Resu | | Lir | | | gin | |
|-----------|--------|---------|--------|--------|--------|--------|--------|-------|-------|-------|
| Frequency | QP | AV | Factor | QP | AV | QP | AV | QP | AV | Phase |
| [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | |
| 0. 15000 | | | | 59. 2 | 42. 8 | | | 6.8 | 13. 2 | N |
| 0. 38656 | | | 0. 3 | 40. 1 | 38. 8 | 58. 1 | 48. 1 | 18. 0 | | N |
| 0.77312 | 40. 2 | 36. 1 | 0.4 | 40. 6 | 36. 5 | 56.0 | 46.0 | 15. 4 | 9. 5 | N |
| 2. 61579 | 35.6 | 28. 1 | 0.6 | 36. 2 | 28. 7 | 56.0 | 46.0 | 19.8 | 17. 3 | N |
| 4. 30627 | | | 0.8 | 31. 2 | 23. 6 | | 46.0 | 24. 8 | 22. 4 | N |
| 17. 50388 | 33.8 | 24. 0 | 1.9 | 35. 7 | 25. 9 | 60.0 | 50.0 | 24. 3 | 24. 1 | N |
| 24. 37469 | 31.4 | 24. 0 | 2. 3 | 33. 7 | 26. 3 | 60.0 | 50.0 | 26. 3 | 23. 7 | N |
| 0.15000 | 60.5 | 43. 3 | 0.3 | 60.8 | 43. 6 | 66. 0 | 56.0 | 5. 2 | 12. 4 | L |
| 0.38656 | 39.7 | 38. 4 | 0.3 | 40.0 | 38. 7 | 58. 1 | 48. 1 | 18. 1 | 9.4 | L |
| 0.77314 | 39.7 | 36. 0 | 0.4 | 40. 1 | 36. 4 | 56.0 | 46.0 | 15. 9 | 9. 6 | L |
| 2. 61587 | 35.5 | 28. 3 | 0.6 | 36. 1 | 28. 9 | 56.0 | 46.0 | 19.9 | 17. 1 | L |
| 4. 26992 | 31.6 | 22. 9 | 0.8 | 32. 4 | 23. 7 | 56.0 | 46.0 | 23.6 | 22. 3 | L |
| 17. 46370 | 31.6 | 22. 6 | 1.9 | 33. 5 | 24. 5 | 60.0 | 50.0 | 26. 5 | 25. 5 | L |
| 24. 45506 | 31.2 | 23. 7 | 2. 3 | 33. 5 | 26.0 | 60.0 | 50.0 | 26. 5 | 24. 0 | L |
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^{*}The test result is rounded off to one or two decimal places, so some differences might be observed.

Page : 25 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: DELTA)

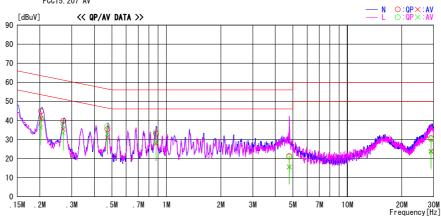
DATA OF CONDUCTED EMISSION TEST

No. 4 Semi Anechoic Chamber Date: 2010/01/05

Report No. : 30EE0055-H0-01 Temp./Humi. Engineer 22deg.C / 38% Takumi Shimada

Mode / Remarks : BT, Tx, DH5, 2441MHz

LIMIT : FCC15. 207 QP FCC15. 207 AV



| - | Reading | Level | Corr. | Resi | ılts | Lir | nit | Mar | gin | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|-------|-------|-------|---------|
| Frequency | QP | AV | Factor | QP | AV | QP | AV | QP | AV | Phase | Comment |
| [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | | |
| 0. 20292 | 44. 5 | 40. 7 | | 44. 8 | | 63. 5 | 53. 5 | 18. 7 | 12.5 | N | |
| 0. 26957 | 39. 4 | 35. 1 | 0.3 | 39.7 | 35. 4 | 61.1 | 51.1 | 21.4 | 15.7 | N | |
| 0.47196 | 35. 1 | 30. 9 | 0.3 | 35. 4 | 31. 2 | 56. 5 | 46. 5 | 21.1 | 15.3 | N | |
| 0.87598 | 32. 8 | 27. 5 | 0.3 | 33. 1 | 27. 8 | 56.0 | 46.0 | 22. 9 | 18. 2 | N | |
| 4. 77460 | 20. 6 | 15. 0 | 0.7 | 21.3 | 15. 7 | 56.0 | 46.0 | 34. 7 | | N | |
| 29.01084 | 28. 7 | 22. 0 | | 30. 7 | 24. 0 | 60.0 | 50.0 | | | N | |
| 0. 20256 | 40. 4 | 35. 9 | 0.3 | 40. 7 | 36. 2 | 63. 5 | 53. 5 | | 17. 3 | L | |
| 0. 26952 | 37. 7 | 33. 0 | | 38. 0 | | 61. 1 | 51. 1 | | | | |
| 0.47163 | 36. 7 | 32. 4 | 0.3 | 37. 0 | | 56. 5 | 46.5 | | | L | |
| 0.87717 | 33. 5 | 28. 7 | | | | 56. 0 | 46. 0 | | | | |
| 4. 77329 | 20. 2 | 14. 8 | | 20. 9 | | 56. 0 | 46.0 | | 30.5 | L | |
| 29.01230 | 28. 1 | 21. 4 | 2. 0 | 30. 1 | 23. 4 | 60. 0 | 50.0 | 29. 9 | 26.6 | L | |
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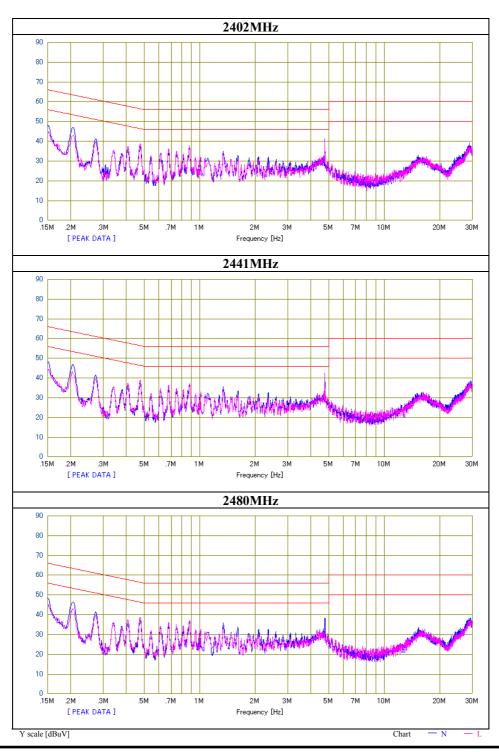
^{*}The test result is rounded off to one or two decimal places, so some differences might be observed.

Page : 26 of 42 Issued date : January 20, 2010 FCC ID : XCET12NA28K

<u>Conducted Emission</u> (Power Supply: DELTA)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber

Report No. 30EE0055-HO-01
Date 01/05/2010
Temperature/ Humidity 22 deg. C. / 38%
Engineer Takumi Shimada
Mode Tx DH5



UL Japan, Inc.

Head Office EMC Lab.

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Page : 27 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: DELTA)

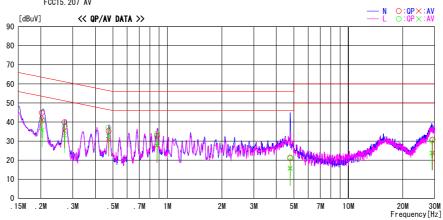
DATA OF CONDUCTED EMISSION TEST

No. 4 Semi Anechoic Chamber Date : 2010/01/05

: 30EE0055-H0-01 Temp./Humi. Engineer : 22deg.C / 38% : Takumi Shimada

Mode / Remarks : BT, Tx, 3DH5, 2402MHz

LIMIT : FCC15. 207 QP FCC15. 207 AV



| | D1: | . 11 | 0 | D | .14.4 | Lir | .14 | Man. | -:- | | 1 |
|-----------|--------|--------|--------|---------|------------|--------|--------|--------|-----------|-------|---------|
| Frequency | QP | AV AV | Corr. | QP Rest | ults AV | QP LII | AV | QP Mar | gin AV | Phase | 0 |
| | | | Factor | | | | | | | Phase | Comment |
| [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | | |
| 0. 20246 | | 40. 8 | | 44. 8 | | | | 18. 7 | 12.4 | N | |
| 0. 26964 | | | | 39.8 | | | | | | | |
| 0. 47323 | 35.0 | 30. 7 | | 35. 3 | | 56. 5 | 46. 5 | 21. 2 | 15.5 | | |
| 0.87580 | 32. 5 | 27. 4 | | 32.8 | | 56.0 | 46.0 | | | N | |
| 4. 77122 | 20. 3 | 15. 0 | 0.7 | 21.0 | 15.7 | 56.0 | 46.0 | 35.0 | 30.3 | N | |
| 29. 22561 | 28. 8 | 21. 9 | 2.0 | 30.8 | 23. 9 | 60.0 | 50.0 | 29. 2 | 26.1 | N | |
| 0. 20329 | 40. 4 | 35. 6 | 0.3 | 40.7 | 35. 9 | 63. 5 | 53. 5 | 22. 8 | 17. 6 | L | |
| 0. 27062 | 37. 5 | 32. 8 | 0.3 | 37. 8 | 33. 1 | 61.1 | 51.1 | 23. 3 | 18.0 | L | |
| 0. 47223 | 36. 7 | 32. 4 | 0.3 | 37.0 | 32.7 | 56. 5 | 46. 5 | 19.5 | 13.8 | L | |
| 0.87731 | 33. 7 | 28. 5 | 0.3 | 34.0 | 28.8 | 56.0 | 46.0 | 22. 0 | 17. 2 | L | |
| 4. 77050 | 20.8 | 15. 2 | 0.7 | 21.5 | 15.9 | 56.0 | 46.0 | 34. 5 | 30.1 | L | |
| 28. 93663 | | 21.7 | | 30. 3 | | | 50.0 | 29. 7 | 26.3 | L | |
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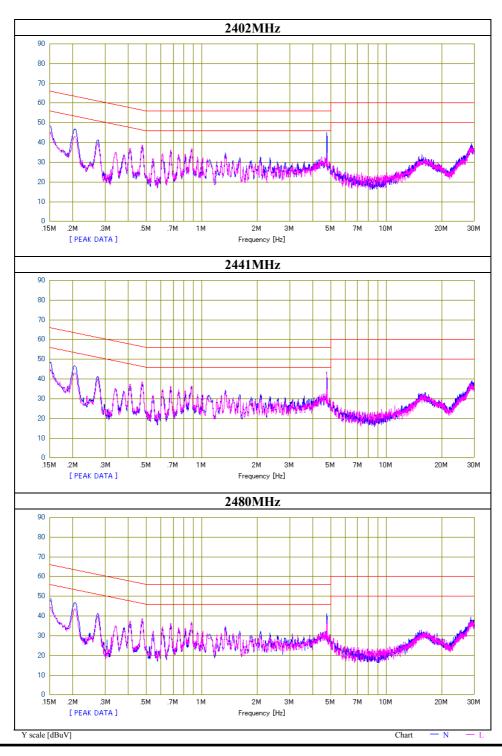
^{*}The test result is rounded off to one or two decimal places, so some differences might be observed.

Page : 28 of 42 Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: DELTA)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber

Report No. 30EE0055-HO-01
Date 01/05/2010
Temperature/ Humidity 22 deg. C. / 38%
Engineer Takumi Shimada
Mode Tx 3DH5



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 29 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Conducted Emission (Power Supply: DELTA)

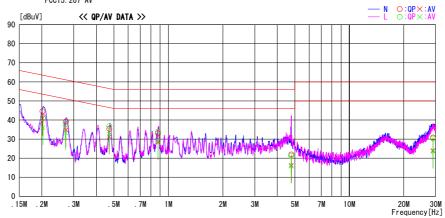
DATA OF CONDUCTED EMISSION

No. 4 Semi Anechoic Chamber Date : 2010/01/05

: 30EE0055-H0-01 Temp./Humi. Engineer 22deg.C / 38% Takumi Shimada

Mode / Remarks : BT, Rx, 2441MHz

LIMIT : FCC15. 207 QP FCC15. 207 AV



| - | Reading | Level | Corr. | Resu | ılts | Lir | nit | Mar | gin | | |
|-----------|---------|--------|--------|--------|--------|--------|--------|-------|-------|-------|---------|
| Frequency | QP | AV | Factor | QP | AV | QP | AV | QP | AV | Phase | Comment |
| [MHz] | [dBuV] | [dBuV] | [dB] | [dBuV] | [dBuV] | [dBuV] | [dBuV] | [dB] | [dB] | | |
| 0. 20153 | 44. 3 | 40. 6 | 0.3 | 44. 6 | 40. 9 | 63. 5 | 53. 5 | 18. 9 | 12.6 | N | |
| 0. 27126 | 38.9 | 34. 5 | 0.3 | 39. 2 | 34. 8 | 61.1 | 51. 1 | 21.9 | 16.3 | N | |
| 0.47173 | 35. 1 | 30. 9 | 0.3 | 35. 4 | 31.2 | 56. 5 | 46. 5 | 21.1 | 15.3 | N | |
| 0.87728 | 32.8 | 28. 0 | 0.3 | 33. 1 | 28. 3 | 56.0 | 46.0 | 22. 9 | 17.7 | N | |
| 4. 77971 | 21.2 | 15. 6 | 0.7 | 21.9 | 16.3 | 56.0 | 46.0 | 34. 1 | 29.7 | N | |
| 28. 98658 | 28.8 | 22. 1 | 2.0 | 30.8 | 24. 1 | 60.0 | 50.0 | 29. 2 | 25. 9 | N | |
| 0. 20271 | 40.5 | 35. 8 | 0.3 | 40.8 | 36. 1 | 63. 5 | 53. 5 | 22. 7 | 17.4 | L | |
| 0. 27050 | 37.5 | 32. 9 | 0.3 | 37. 8 | | 61.1 | | 23. 3 | 17. 9 | L | |
| 0. 47138 | 36.5 | 32. 2 | 0.3 | 36.8 | 32. 5 | 56. 5 | 46. 5 | 19. 7 | 14.0 | L | |
| 0.87690 | 33.6 | 28. 6 | 0.3 | 33. 9 | 28. 9 | 56.0 | 46.0 | 22. 1 | 17. 1 | L | |
| 4. 76991 | 20.6 | 15. 1 | 0.7 | 21.3 | 15.8 | 56.0 | 46.0 | 34. 7 | 30. 2 | L | |
| 29.00910 | 28. 3 | 21.6 | 2.0 | 30. 3 | 23. 6 | 60.0 | 50.0 | 29. 7 | 26.4 | L | |
| | | | | | | | | | | | |
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^{*}The test result is rounded off to one or two decimal places, so some differences might be observed.

Page : 30 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Maximum Peak Output Power

Test place Head Office EMC Lab. No.3 Semi Anechoic Chamber

Report No. 29AE0000-HO
Date 12/07/2009
Temperature/ Humidity 23 deg.C./ 33%
Engineer Takumi Shimada

Mode Tx (Hopping off) DH5/2DH5/3DH5/Inquiry

DH5/Inquiry

| Mode | Freq. | Reading | Cable | Atten. | Re | sult | Li | mit | Margin |
|---------|--------|---------|-------|--------|-------|------|-------|------|--------|
| | | | Loss | | | | | | |
| | [MHz] | [dBm] | [dB] | [dB] | [dBm] | [mW] | [dBm] | [mW] | [dB] |
| DH5 | 2402.0 | -9.88 | 0.80 | 10.08 | 1.00 | 1.26 | 20.97 | 125 | 19.97 |
| DH5 | 2441.0 | -9.92 | 0.80 | 10.08 | 0.96 | 1.25 | 20.97 | 125 | 20.01 |
| DH5 | 2480.0 | -10.19 | 0.80 | 10.08 | 0.69 | 1.17 | 20.97 | 125 | 20.28 |
| Inquiry | 2441.0 | -9.91 | 0.80 | 10.08 | 0.97 | 1.25 | 20.97 | 125 | 20.00 |

2DH5

| Mode | Freq. | Reading | Cable | Atten. | Re | sult | Liı | mit | Margin |
|------|--------|---------|-------|--------|-------|------|-------|------|--------|
| | | | Loss | | | | | | |
| | [MHz] | [dBm] | [dB] | [dB] | [dBm] | [mW] | [dBm] | [mW] | [dB] |
| 2DH5 | 2402.0 | -9.31 | 0.80 | 10.08 | 1.57 | 1.44 | 20.97 | 125 | 19.40 |
| 2DH5 | 2441.0 | -9.43 | 0.80 | 10.08 | 1.45 | 1.40 | 20.97 | 125 | 19.52 |
| 2DH5 | 2480.0 | -9.66 | 0.80 | 10.08 | 1.22 | 1.32 | 20.97 | 125 | 19.75 |

3DH5

| Mode | Freq. | Reading | Cable | Atten. | Re | sult | Li | nit | Margin |
|------|--------|---------|-------|--------|-------|------|-------|------|--------|
| | | | Loss | | | | | | |
| | [MHz] | [dBm] | [dB] | [dB] | [dBm] | [mW] | [dBm] | [mW] | [dB] |
| 3DH5 | 2402.0 | -9.15 | 0.80 | 10.08 | 1.73 | 1.49 | 20.97 | 125 | 19.24 |
| 3DH5 | 2441.0 | -9.24 | 0.80 | 10.08 | 1.64 | 1.46 | 20.97 | 125 | 19.33 |
| 3DH5 | 2480.0 | -9.45 | 0.80 | 10.08 | 1.43 | 1.39 | 20.97 | 125 | 19.54 |

Sample Calculation:

Result = Reading + Cable Loss (including the cable(s) customer supplied)+ Attenuator

Test was not performed at AFH mode, because the decrease of number of channel (min: 20ch) at AFH mode does not influence on the output power and bandwidth of the EUT.

However, the limit level 125mWof AFH mode was used for the test.

* Compared to the original test report: 29GE0205-HO-01-B-R1, difference in Maximum Peak Output Power is within ± 0.5 dB.

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 31 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission (Power Supply: SONY)

Test place Head Office EMC Lab. No.2 and 3 Semi Anechoic Chamber

Report No. 30EE0055-HO-01

 Date
 12/09/2009
 12/10/2009
 12/13/2009

 Temperature/ Humidity
 22 deg.C./ 36%
 22 deg.C./ 34%
 22 deg.C./ 41%

 Engineer
 Takumi Shimada
 Takumi Shimada
 Takumi Shimada

 (10-26.5GHz)
 (1-10GHz)
 (30-1000MHz)

Mode Tx, DH5 2402MHz

| Polarity | Frequency | Detector | | | Loss | Gain | Result | Limit | Margin | Remark |
|----------|-----------|----------|--------|--------|------|------|----------|----------|--------|----------|
| | [MHz] | | [dBuV] | [dB/m] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | |
| Hori | 50.284 | QP | 43.9 | 10.2 | 7.5 | 32.2 | 29.4 | 40.0 | 10.6 | |
| Hori | 75.380 | QP | 49.5 | 6.2 | 7.8 | 32.1 | 31.4 | 40.0 | 8.6 | |
| Hori | 215.999 | QP | 41.8 | 16.9 | 9.3 | 32.0 | 36.0 | 43.5 | 7.5 | |
| Hori | 576.004 | QP | 37.3 | 19.5 | 11.7 | 32.0 | 36.5 | 46.0 | 9.5 | |
| Hori | 749.992 | QP | 33.8 | 20.9 | 12.6 | 31.7 | 35.6 | 46.0 | 10.4 | |
| Hori | 874.989 | QP | 28.2 | 21.9 | 13.2 | 31.1 | 32.2 | 46.0 | 13.8 | |
| Hori | 1941.578 | PK | 68.1 | 26.2 | 2.5 | 32.4 | 64.4 | 73.9 | 9.5 | |
| Hori | 2390.000 | PK | 55.2 | 27.1 | 2.7 | 32.4 | 52.6 | 73.9 | 21.3 | |
| Hori | 2400.000 | PK | 57.6 | 27.1 | 2.7 | 32.4 | 55.0 | 73.9 | 18.9 | |
| Hori | 4804.000 | PK | 40.7 | 31.2 | 5.2 | 31.3 | 45.8 | 73.9 | 28.1 | |
| Hori | 7206.000 | PK | 41.2 | 35.6 | 5.7 | 31.1 | 51.4 | 73.9 | 22.5 | |
| Hori | 9608.000 | PK | 41.6 | 38.4 | 6.6 | 31.4 | 55.2 | 73.9 | 18.7 | |
| Hori | 24020.000 | PK | 47.6 | 38.0 | -1.6 | 30.5 | 53.5 | 73.9 | 20.4 | |
| Hori | 1941.578 | AV | 34.5 | 26.2 | 2.5 | 32.4 | 30.8 | 53.9 | 23.1 | VBW=10Hz |
| Hori | 2390.000 | AV | 40.0 | 27.1 | 2.7 | 32.4 | 37.4 | 53.9 | 16.5 | |
| Hori | 2400.000 | AV | 49.5 | 27.1 | 2.7 | 32.4 | 46.9 | 53.9 | 7.0 | |
| Hori | 4804.000 | AV | 29.3 | 31.2 | 5.2 | 31.3 | 34.4 | 53.9 | 19.5 | |
| Hori | 7206.000 | AV | 29.2 | 35.6 | 5.7 | 31.1 | 39.4 | 53.9 | 14.5 | |
| Hori | 9608.000 | AV | 29.3 | 38.4 | 6.6 | 31.4 | 42.9 | 53.9 | 11.0 | |
| Hori | 24020.000 | AV | 35.4 | 38.0 | -1.6 | 30.5 | 41.3 | 53.9 | 12.6 | |
| Vert | 46.710 | QP | 47.5 | 11.4 | 7.4 | 32.2 | 34.1 | 40.0 | 5.9 | |
| Vert | 72.120 | QP | 45.3 | 6.2 | 7.8 | 32.1 | 27.2 | 40.0 | 12.8 | |
| Vert | 215.999 | QP OP | 31.7 | 16.9 | 9.3 | 32.0 | 25.9 | 43.5 | 17.6 | |
| Vert | 576.006 | QI QP | 35.0 | 19.5 | 11.7 | 32.0 | 34.2 | 46.0 | 11.8 | |
| Vert | 749.992 | QI QP | 38.9 | 20.9 | 12.6 | 31.7 | 40.7 | 46.0 | 5.3 | |
| Vert | 874.990 | QP QP | 28.8 | 21.9 | 13.2 | 31.1 | 32.8 | 46.0 | 13.2 | |
| Vert | 1941.400 | PK | 67.2 | 26.2 | 2.5 | 32.4 | 63.5 | 73.9 | 10.4 | |
| Vert | 2390.000 | PK | 54.2 | 27.1 | 2.7 | 32.4 | 51.6 | 73.9 | 22.3 | |
| Vert | 2400.000 | PK | 50.8 | 27.1 | 2.7 | 32.4 | 48.2 | 73.9 | 25.7 | |
| | | I | | | | | | | | |
| Vert | 4804.000 | PK DV | 40.6 | 31.2 | 5.2 | 31.3 | 45.7 | 73.9 | 28.2 | |
| Vert | 7206.000 | PK | 40.4 | 35.6 | 5.7 | 31.1 | 50.6 | 73.9 | 23.3 | |
| Vert | 9608.000 | PK | 41.8 | 38.4 | 6.6 | 31.4 | 55.4 | 73.9 | 18.5 | |
| Vert | 24020.000 | PK | 47.8 | 38.0 | -1.6 | 30.5 | 53.7 | 73.9 | 20.2 | VDW 10H |
| Vert | 1941.400 | AV | 32.9 | 26.2 | 2.5 | 32.4 | 29.2 | 53.9 | 24.7 | VBW=10Hz |
| Vert | 2390.000 | AV | 37.3 | 27.1 | 2.7 | 32.4 | 34.7 | 53.9 | 19.2 | |
| Vert | 2400.000 | AV | 45.1 | 27.1 | 2.7 | 32.4 | 42.5 | 53.9 | 11.4 | |
| Vert | 4804.000 | AV | 29.6 | 31.2 | 5.2 | 31.3 | 34.7 | 53.9 | 19.2 | |
| Vert | 7206.000 | AV | 29.7 | 35.6 | 5.7 | 31.1 | 39.9 | 53.9 | 14.0 | |
| Vert | 9608.000 | AV | 29.8 | 38.4 | 6.6 | 31.4 | 43.4 | 53.9 | 10.5 | |
| Vert | 24020.000 | AV | 35.5 | 38.0 | -1.6 | 30.5 | 41.4 | 53.9 | 12.5 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

Page : 32 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission (Power Supply: SONY)

Test place Head Office EMC Lab. No.2 and 3 Semi Anechoic Chamber

Report No. 30EE0055-HO-01

 Date
 12/09/2009
 12/10/2009
 12/13/2009

 Temperature/ Humidity
 22 deg.C./ 36%
 22 deg.C./ 34%
 22 deg.C./ 41%

 Engineer
 Takumi Shimada
 Takumi Shimada
 Takumi Shimada

 (10-26.5GHz)
 (1-10GHz)
 (30-1000MHz)

Mode Tx, DH5 2441MHz

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss | Gain | Result | Limit | Margin | Remark |
|----------|-----------|----------|---------|----------|------|------|----------|----------|--------|----------|
| | [MHz] | | [dBuV] | [dB/m] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | |
| Hori | 50.576 | QP | 43.7 | 10.1 | 7.5 | 32.2 | 29.1 | 40.0 | 10.9 | |
| Hori | 75.490 | QP | 49.1 | 6.2 | 7.8 | 32.1 | 31.0 | 40.0 | 9.0 | |
| Hori | 215.999 | QP | 44.0 | 16.9 | 9.3 | 32.0 | 38.2 | 43.5 | 5.3 | |
| Hori | 576.004 | QP | 37.1 | 19.5 | 11.7 | 32.0 | 36.3 | 46.0 | 9.7 | |
| Hori | 749.992 | QP | 33.9 | 20.9 | 12.6 | 31.7 | 35.7 | 46.0 | 10.3 | |
| Hori | 874.992 | QP | 28.2 | 21.9 | 13.2 | 31.1 | 32.2 | 46.0 | 13.8 | |
| Hori | 1945.533 | PK | 65.7 | 26.2 | 2.5 | 32.4 | 62.0 | 73.9 | 11.9 | |
| Hori | 4882.000 | PK | 41.4 | 31.3 | 5.2 | 31.3 | 46.6 | 73.9 | 27.3 | |
| Hori | 7323.000 | PK | 40.4 | 35.8 | 5.7 | 31.1 | 50.8 | 73.9 | 23.1 | |
| Hori | 9764.000 | PK | 41.6 | 38.6 | 6.7 | 31.4 | 55.5 | 73.9 | 18.5 | |
| Hori | 24410.000 | PK | 47.1 | 38.5 | -1.5 | 30.2 | 53.9 | 73.9 | 20.0 | |
| Hori | 1945.533 | AV | 33.7 | 26.2 | 2.5 | 32.4 | 30.0 | 53.9 | 23.9 | VBW=10Hz |
| Hori | 4882.000 | AV | 31.0 | 31.3 | 5.2 | 31.3 | 36.2 | 53.9 | 17.7 | |
| Hori | 7323.000 | AV | 29.8 | 35.8 | 5.7 | 31.1 | 40.2 | 53.9 | 13.7 | |
| Hori | 9764.000 | AV | 29.8 | 38.6 | 6.7 | 31.4 | 43.7 | 53.9 | 10.2 | |
| Hori | 24410.000 | AV | 34.7 | 38.5 | -1.5 | 30.2 | 41.5 | 53.9 | 12.4 | |
| Vert | 46.406 | QP | 47.4 | 11.5 | 7.4 | 32.2 | 34.1 | 40.0 | 5.9 | |
| Vert | 72.112 | QP | 45.6 | 6.2 | 7.8 | 32.1 | 27.5 | 40.0 | 12.5 | |
| Vert | 215.999 | QP | 32.1 | 16.9 | 9.3 | 32.0 | 26.3 | 43.5 | 17.2 | |
| Vert | 576.000 | QP | 34.7 | 19.5 | 11.7 | 32.0 | 33.9 | 46.0 | 12.1 | |
| Vert | 749.991 | QP | 38.5 | 20.9 | 12.6 | 31.7 | 40.3 | 46.0 | 5.7 | |
| Vert | 874.989 | QP | 28.9 | 21.9 | 13.2 | 31.1 | 32.9 | 46.0 | 13.1 | |
| Vert | 1946.502 | PK | 64.1 | 26.2 | 2.5 | 32.4 | 60.4 | 73.9 | 13.6 | |
| Vert | 4882.000 | PK | 41.8 | 31.3 | 5.2 | 31.3 | 47.0 | 73.9 | 26.9 | |
| Vert | 7323.000 | PK | 41.6 | 35.8 | 5.7 | 31.1 | 52.0 | 73.9 | 21.9 | |
| Vert | 9764.000 | PK | 41.5 | 38.6 | 6.7 | 31.4 | 55.4 | 73.9 | 18.6 | |
| Vert | 24410.000 | PK | 47.4 | 38.5 | -1.5 | 30.2 | 54.2 | 73.9 | 19.7 | |
| Vert | 1946.502 | AV | 34.8 | 26.2 | 2.5 | 32.4 | 31.1 | 53.9 | 22.8 | VBW=10Hz |
| Vert | 4882.000 | AV | 31.7 | 31.3 | 5.2 | 31.3 | 36.9 | 53.9 | 17.0 | |
| Vert | 7323.000 | AV | 29.5 | 35.8 | 5.7 | 31.1 | 39.9 | 53.9 | 14.0 | |
| Vert | 9764.000 | AV | 29.7 | 38.6 | 6.7 | 31.4 | 43.6 | 53.9 | 10.3 | |
| Vert | 24410.000 | AV | 34.9 | 38.5 | -1.5 | 30.2 | 41.7 | 53.9 | 12.2 | |
| | | | | | | | | | | |

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

Page : 33 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission (Power Supply: SONY)

Test place Head Office EMC Lab. No.2 and 3 Semi Anechoic Chamber

Report No. 30EE0055-HO-01

 Date
 12/09/2009
 12/10/2009
 12/13/2009

 Temperature/ Humidity
 22 deg.C./ 36%
 22 deg.C./ 34%
 22 deg.C./ 41%

 Engineer
 Takumi Shimada
 Takumi Shimada
 Takumi Shimada

 (10-26.5GHz)
 (1-10GHz)
 (30-1000MHz)

Mode Tx, DH5 2480MHz

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark |
|----------|--------------------|----------|----------------|-----------------|--------------|--------------|--------------------|-------------------|----------------|----------|
| Hori | 50.648 | QP | 44.0 | 10.1 | 7.5 | 32.2 | 29.4 | 40.0 | 10.6 | |
| Hori | 75.470 | QP | 48.9 | 6.2 | 7.8 | 32.1 | 30.8 | 40.0 | 9.2 | |
| Hori | 215.999 | QP | 43.8 | 16.9 | 9.3 | 32.0 | 38.0 | 43.5 | 5.5 | |
| Hori | 576.005 | QP | 36.5 | 19.5 | 11.7 | 32.0 | 35.7 | 46.0 | 10.3 | |
| Hori | 749.988 | QP | 34.4 | 20.9 | 12.6 | 31.7 | 36.2 | 46.0 | 9.8 | |
| Hori | 874.990 | QP | 27.9 | 21.9 | 13.2 | 31.1 | 31.9 | 46.0 | 14.1 | |
| Hori | 1941.267 | PK | 63.7 | 26.2 | 2.5 | 32.4 | 60.0 | 73.9 | 13.9 | |
| Hori | 2483.500 | PK | 44.0 | 27.3 | 2.8 | 32.4 | 41.7 | 73.9 | 32.2 | |
| Hori | 4960.000 | PK | 41.4 | 31.5 | 5.3 | 31.3 | 46.9 | 73.9 | 27.0 | |
| Hori | 7440.000 | PK | 40.8 | 36.0 | 5.8 | 31.1 | 51.5 | 73.9 | 22.4 | |
| Hori | 9920.000 | PK | 42.2 | 38.7 | 6.7 | 31.4 | 56.2 | 73.9 | 17.7 | |
| Hori | 24800.000 | PK | 48.2 | 39.1 | -1.4 | 30.0 | 55.9 | 73.9 | 18.0 | |
| Hori | 1941.267 | AV | 32.9 | 26.2 | 2.5 | 32.4 | 29.2 | 53.9 | 24.7 | VBW=10Hz |
| Hori | 2483.500 | AV | 31.1 | 27.3 | 2.8 | 32.4 | 28.8 | 53.9 | 25.1 | |
| Hori | 4960.000 | AV | 30.2 | 31.5 | 5.3 | 31.3 | 35.7 | 53.9 | 18.2 | |
| Hori | 7440.000 | AV | 29.9 | 36.0 | 5.8 | 31.1 | 40.6 | 53.9 | 13.3 | |
| Hori | 9920.000 | AV | 30.3 | 38.7 | 6.7 | 31.4 | 44.3 | 53.9 | 9.6 | |
| Hori | 24800.000 | AV | 36.3 | 39.1 | -1.4 | 30.0 | 44.0 | 53.9 | 9.9 | |
| Vert | 46.450 | QP | 47.2 | 11.5 | 7.4 | 32.2 | 33.9 | 40.0 | 6.1 | |
| Vert | 72.296 | QP | 45.8 | 6.2 | 7.8 | 32.1 | 27.7 | 40.0 | 12.3 | |
| Vert | 215.999 | QP | 30.3 | 16.9 | 9.3 | 32.0 | 24.5 | 43.5 | 19.0 | |
| Vert | 576.004 | QP | 34.8 | 19.5 | 11.7 | 32.0 | 34.0 | 46.0 | 12.0 | |
| Vert | 749.993 | QP | 38.7 | 20.9 | 12.6 | 31.7 | 40.5 | 46.0 | 5.5 | |
| Vert | 874.988 | QP | 28.6 | 21.9 | 13.2 | 31.1 | 32.6 | 46.0 | 13.4 | |
| Vert | 1941.983 | PK | 67.7 | 26.2 | 2.5 | 32.4 | 64.0 | 73.9 | 9.9 | |
| Vert | | PK | 46.7 | 27.3 | 2.8 | 32.4 | 44.4 | 73.9 | 29.5 | |
| Vert | 4960.000 | PK | 41.4 | 31.5 | 5.3 | 31.3 | 46.9 | 73.9 | 27.1 | |
| Vert | | PK | 41.7 | 36.0 | 5.8 | 31.1 | 52.4 | 73.9 | 21.5 | |
| Vert | 9920.000 | PK | 42.1 | 38.7 | 6.7 | 31.4 | 56.1 | 73.9 | 17.8 | |
| Vert | 24800.000 | PK | 48.5 | 39.1 | -1.4 | 30.0 | 56.2 | 73.9 | 17.7 | |
| Vert | 1941.983 | AV | 35.1 | 26.2 | 2.5 | 32.4 | 31.4 | 53.9 | 22.5 | VBW=10Hz |
| Vert | 2483.500 | AV | 33.7 | 27.3 | 2.8 | 32.4 | 31.4 | 53.9 | 22.5 | |
| Vert | 4960.000 | AV | 29.9 | 31.5 | 5.3 | 31.3 | 35.4 | 53.9 | 18.5 | |
| Vert | 7440.000 | AV | 29.7 | 36.0 | 5.8 | 31.1 | 40.4 | 53.9 | 13.5 | |
| Vert | 9920.000 | AV | 30.3 | 38.7 | 6.7 | 31.4 | 44.3 | 53.9 | 9.6 | |
| Vert | 24800.000 | AV | 36.7 | 39.1 | -1.4 | 30.0 | 44.4 | 53.9 | 9.5 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

 $Result = Reading + Ant\ Factor + Loss\ (Cable + Attenuator + Filter-Distance\ factor (above\ 10 GHz)) - Gain (Amplifier)$

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB 26.5GHz-40GHz 20log(3.0m/0.5m)=15.6dB

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB). *The 10th harmonic was not seen so the result was its base noise level.

Page : 34 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission (Power Supply: $SON\overline{Y}$)

Head Office EMC Lab. No.2 and 3 Semi Anechoic Chamber Test place

30EE0055-HO-01 Report No.

Date 12/09/2009 12/10/2009 12/13/2009 Temperature/ Humidity 22 deg.C./ 36% 22 deg.C./ 34% 22 deg.C./ 41% Takumi Shimada Takumi Shimada Takumi Shimada Engineer (1-10GHz) (10-26.5GHz) (30-1000MHz)

Mode Tx, 3DH5 2402MHz

| Polarity | Frequency | Detector | _ | | Loss | Gain | Result | Limit | Margin | Remark |
|--------------|-----------|----------|--------|--------|-------------|------|--------------|------------|--------------|----------|
| | [MHz] | | [dBuV] | [dB/m] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | |
| Hori | 50.896 | QP | 43.6 | 10.0 | 7.5 | 32.2 | 28.9 | 40.0 | 11.1 | |
| Hori | 75.390 | QP | 49.4 | 6.2 | 7.8 | 32.1 | 31.3 | 40.0 | 8.7 | |
| Hori | 215.999 | QP | 43.8 | 16.9 | 9.3 | 32.0 | 38.0 | 43.5 | 5.5 | |
| Hori | 576.003 | QP | 37.1 | 19.5 | 11.7 | 32.0 | 36.3 | 46.0 | 9.7 | |
| Hori | 749.991 | QP | 34.8 | 20.9 | 12.6 | 31.7 | 36.6 | 46.0 | 9.4 | |
| Hori | 874.990 | QP | 28.1 | 21.9 | 13.2 | 31.1 | 32.1 | 46.0 | 13.9 | |
| Hori | 1941.367 | PK | 64.2 | 26.2 | 2.5 | 32.4 | 60.5 | 73.9 | 13.4 | |
| Hori | 2390.000 | PK | 54.6 | 27.1 | 2.7 | 32.4 | 52.0 | 73.9 | 21.9 | |
| Hori | 2400.000 | PK | 57.4 | 27.1 | 2.7 | 32.4 | 54.8 | 73.9 | 19.1 | |
| Hori | 4804.000 | PK | 40.4 | 31.2 | 5.2 | 31.3 | 45.5 | 73.9 | 28.4 | |
| Hori | 7206.000 | PK | 41.6 | 35.6 | 5.7 | 31.1 | 51.8 | 73.9 | 22.1 | |
| Hori | | PK | 41.2 | 38.4 | 6.6 | 31.4 | 54.8 | 73.9 | 19.1 | |
| Hori | 24020.000 | PK | 47.6 | 38.0 | -1.6 | 30.5 | 53.5 | 73.9 | 20.4 | |
| Hori | 1941.367 | AV | 32.4 | 26.2 | 2.5 | 32.4 | 28.7 | 53.9 | 25.2 | VBW=10Hz |
| Hori | 2390.000 | AV | 38.2 | 27.1 | 2.7 | 32.4 | 35.6 | 53.9 | 18.3 | |
| Hori | 2400.000 | AV | 42.4 | 27.1 | 2.7 | 32.4 | 39.8 | 53.9 | 14.1 | |
| Hori | 4804.000 | AV | 29.7 | 31.2 | 5.2 | 31.3 | 34.8 | 53.9 | 19.1 | |
| Hori | 7206.000 | AV | 29.6 | 35.6 | 5.7 | 31.1 | 39.8 | 53.9 | 14.1 | |
| Hori | 9608.000 | AV | 29.9 | 38.4 | 6.6 | 31.4 | 43.5 | 53.9 | 10.5 | |
| Hori | 24020.000 | AV | 35.5 | 38.0 | -1.6 | 30.5 | 41.4 | 53.9 | 12.5 | |
| Vert | 46.606 | QP | 47.6 | 11.5 | 7.4 | 32.2 | 34.3 | 40.0 | 5.7 | |
| Vert | 72.108 | QP | 45.8 | 6.2 | 7.8 | 32.1 | 27.7 | 40.0 | 12.3 | |
| Vert | 215.999 | QP | 30.9 | 16.9 | 9.3 | 32.0 | 25.1 | 43.5 | 18.4 | |
| Vert | 576.005 | QP | 34.9 | 19.5 | 11.7 | 32.0 | 34.1 | 46.0 | 11.9 | |
| Vert | 749.991 | QP | 38.7 | 20.9 | 12.6 | 31.7 | 40.5 | 46.0 | 5.5 | |
| Vert | 874.987 | QP | 28.6 | 21.9 | 13.2 | 31.1 | 32.6 | 46.0 | 13.4 | |
| Vert | 1941.483 | PK | 63.8 | 26.2 | 2.5 | 32.4 | 60.1 | 73.9 | 13.9 | |
| Vert | 2390.000 | PK | 54.5 | 27.1 | 2.7 | 32.4 | 51.9 | 73.9 | 22.0 | |
| Vert | 2400.000 | PK | 61.5 | 27.1 | 2.7 | 32.4 | 58.9 | 73.9 | 15.0 | |
| Vert | 4804.000 | PK | 41.5 | 31.2 | 5.2 | 31.3 | 46.6 | 73.9 | 27.3 | |
| Vert | 7206.000 | PK | 40.7 | 35.6 | 5.7 | 31.1 | 50.9 | 73.9 | 23.0 | |
| Vert | | PK | 41.6 | 38.4 | 6.6 | 31.4 | 55.2 | 73.9 | 18.7 | |
| Vert Vert | 24020.000 | PK | 47.5 | 38.0 | -1.6 2.5 | 30.5 | 53.4 29.9 | 73.9 | 20.5 | VBW=10Hz |
| | 1941.483 | AV | 33.6 | 26.2 | | 32.4 | | 53.9 | | VBW=10HZ |
| Vert | 2390.000 | AV | 37.7 | 27.1 | 2.7 | 32.4 | 35.1 | 53.9 | 18.8 | |
| Vert | 2400.000 | AV | 46.3 | 27.1 | 2.7 | 32.4 | 43.7 | 53.9 | 10.2 19.7 | |
| Vert | 4804.000 | AV | 29.1 | 31.2 | 5.2 | 31.3 | 34.2 | 53.9 | | |
| Vert | 7206.000 | AV | 29.7 | 35.6 | 5.7 | 31.1 | 39.9 | 53.9 | 14.0 | |
| Vert | 9608.000 | AV | 29.7 | 38.4 | 6.6 | 31.4 | 43.3 | 53.9 | 10.6 | |
| Vert | 24020.000 | AV | 35.7 | 38.0 | -1.6 | 30.5 | 41.6 | 53.9 | 12.3 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | - 10CII-)) | | |

 $Result = Reading + Ant \ Factor + Loss \ (Cable + Attenuator + Filter - Distance \ factor (above \ 10 GHz)) - Gain (Amplifier)$

*The 10th harmonic was not seen so the result was its base noise level. 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB Distance factor: 26.5GHz-40GHz 20log(3.0m/0.5m)=15.6dB

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Head Office EMC Lab.

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^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

Page

: 35 of 42 **Issued date** : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission (Power Supply: SONY)

Head Office EMC Lab. No.2 and 3 Semi Anechoic Chamber Test place

30EE0055-HO-01 Report No.

Date 12/09/2009 12/10/2009 12/13/2009 Temperature/ Humidity 22 deg.C./ 36% 22 deg.C./ 34% 22 deg.C./ 41% Takumi Shimada Takumi Shimada Takumi Shimada Engineer (1-10GHz) (10-26.5GHz) (30-1000MHz)

Tx, 3DH5 2441MHz Mode

| Polarity | Frequency | Detector | Reading | Ant.Fac. | Loss | Gain | Result | Limit | Margin | Remark |
|----------|-----------|----------|---------|----------|------|------|----------|----------|--------|----------|
| | [MHz] | | [dBuV] | [dB/m] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | |
| Hori | 50.708 | QP | 43.8 | 10.1 | 7.5 | 32.2 | 29.2 | 40.0 | 10.8 | |
| Hori | 75.468 | QP | 49.0 | 6.2 | 7.8 | 32.1 | 30.9 | 40.0 | 9.1 | |
| Hori | 215.999 | QP | 44.0 | 16.9 | 9.3 | 32.0 | 38.2 | 43.5 | 5.3 | |
| Hori | 576.003 | QP | 37.1 | 19.5 | 11.7 | 32.0 | 36.3 | 46.0 | 9.7 | |
| Hori | 749.994 | QP | 34.5 | 20.9 | 12.6 | 31.7 | 36.3 | 46.0 | 9.7 | |
| Hori | 874.995 | QP | 28.1 | 21.9 | 13.2 | 31.1 | 32.1 | 46.0 | 13.9 | |
| Hori | 1946.700 | PK | 65.6 | 26.2 | 2.5 | 32.4 | 61.9 | 73.9 | 12.0 | |
| Hori | 4882.000 | PK | 41.3 | 31.3 | 5.2 | 31.3 | 46.5 | 73.9 | 27.4 | |
| Hori | 7323.000 | PK | 41.5 | 35.8 | 5.7 | 31.1 | 51.9 | 73.9 | 22.0 | |
| Hori | 9764.000 | PK | 41.6 | 38.6 | 6.7 | 31.4 | 55.5 | 73.9 | 18.4 | |
| Hori | 24410.000 | PK | 47.3 | 38.5 | -1.5 | 30.2 | 54.1 | 73.9 | 19.8 | |
| Hori | 1946.700 | AV | 33.6 | 26.2 | 2.5 | 32.4 | 29.9 | 53.9 | 24.0 | VBW=10Hz |
| Hori | 4882.000 | AV | 29.6 | 31.3 | 5.2 | 31.3 | 34.8 | 53.9 | 19.1 | |
| Hori | 7323.000 | AV | 29.6 | 35.8 | 5.7 | 31.1 | 40.0 | 53.9 | 13.9 | |
| Hori | 9764.000 | AV | 29.8 | 38.6 | 6.7 | 31.4 | 43.7 | 53.9 | 10.2 | |
| Hori | 24410.000 | AV | 34.9 | 38.5 | -1.5 | 30.2 | 41.7 | 53.9 | 12.2 | |
| Vert | 46.450 | QP | 47.7 | 11.5 | 7.4 | 32.2 | 34.4 | 40.0 | 5.6 | |
| Vert | 72.208 | QP | 45.5 | 6.2 | 7.8 | 32.1 | 27.4 | 40.0 | 12.6 | |
| Vert | 215.999 | QP | 31.8 | 16.9 | 9.3 | 32.0 | 26.0 | 43.5 | 17.5 | |
| Vert | 576.005 | QP | 34.6 | 19.5 | 11.7 | 32.0 | 33.8 | 46.0 | 12.2 | |
| Vert | 749.991 | OP | 38.5 | 20.9 | 12.6 | 31.7 | 40.3 | 46.0 | 5.7 | |
| Vert | 874.986 | OP | 29.3 | 21.9 | 13.2 | 31.1 | 33.3 | 46.0 | 12.7 | |
| Vert | 1945.067 | PK | 63.5 | 26.2 | 2.5 | 32.4 | 59.8 | 73.9 | 14.1 | |
| Vert | 4882.000 | PK | 41.3 | 31.3 | 5.2 | 31.3 | 46.5 | 73.9 | 27.4 | |
| Vert | 7323.000 | PK | 41.4 | 35.8 | 5.7 | 31.1 | 51.8 | 73.9 | 22.1 | |
| Vert | 9764.000 | PK | 41.9 | 38.6 | 6.7 | 31.4 | 55.8 | 73.9 | 18.1 | |
| Vert | 24410.000 | PK | 47.1 | 38.5 | -1.5 | 30.2 | 53.9 | 73.9 | 20.0 | |
| Vert | 1945.067 | AV | 32.4 | 26.2 | 2.5 | 32.4 | 28.7 | 53.9 | 25.2 | VBW=10Hz |
| Vert | 4882.000 | AV | 30.0 | 31.3 | 5.2 | 31.3 | 35.2 | 53.9 | 18.7 | |
| Vert | 7323.000 | AV | 29.5 | 35.8 | 5.7 | 31.1 | 39.9 | 53.9 | 14.0 | |
| Vert | 9764.000 | AV | 29.8 | 38.6 | 6.7 | 31.4 | 43.7 | 53.9 | 10.2 | |
| Vert | 24410.000 | AV | 35.1 | 38.5 | -1.5 | 30.2 | 41.9 | 53.9 | 12.0 | |
| | | | | | | | | | | |

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*The 10th harmonic was not seen so the result was its base noise level. 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB 26.5GHz-40GHz 20log(3.0m/0.5m)=15.6dB Distance factor:

UL Japan, Inc.

Head Office EMC Lab.

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^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

Page : 36 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission

(Power Supply: SONY)

Test place Head Office EMC Lab. No.2 and 3 Semi Anechoic Chamber

Report No. 30EE0055-HO-01

 Date
 12/09/2009
 12/10/2009
 12/13/2009

 Temperature/ Humidity
 22 deg.C./ 36%
 22 deg.C./ 34%
 22 deg.C./ 41%

 Engineer
 Takumi Shimada
 Takumi Shimada
 Takumi Shimada

 (10-26.5GHz)
 (1-10GHz)
 (30-1000MHz)

Mode Tx, 3DH5 2480MHz

| Hori 749.5 Hori 749.5 Hori 874.5 Hori 1941.7 Hori 2483.3 Hori 4960.0 Hori 9920.0 Hori 24800.0 Hori 1941.7 Hori 4960.0 Hori 7440.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 465.7 Vert 72.1 | 222 QP 588 QP 999 QP 044 QP 886 QP 000 PK 000 PK 000 PK 000 PK 000 PK 000 PK 000 AV 000 AV 000 AV 000 AV 000 AV 000 AV | [dBuV] 43.6 49.1 44.0 37.1 34.4 28.0 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 46.4 47.4 | [dB/m] 10.0 6.2 16.9 19.5 20.9 21.9 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 38.7 | [dB] 7.5 7.8 9.3 11.7 12.6 13.2 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 5.8 6.7 5.8 6.7 -1.4 5.3 5.8 | [dB] 32.2 32.1 32.0 32.0 31.7 31.1 32.4 31.3 31.1 31.4 30.0 32.4 31.3 | [dBuV/m] 28.9 31.0 38.2 36.3 36.2 32.0 63.9 52.0 47.0 52.7 56.2 56.1 31.9 33.6 33.5.2 | [dBuV/m] 40.0 40.0 43.5 46.0 46.0 73.9 73.9 73.9 73.9 73.9 53.9 53.9 | [dB] 11.1 9.0 5.3 9.7 9.8 14.0 10.0 21.9 26.9 21.2 17.7 17.8 22.0 20.3 | VBW=10Hz |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------|
| Hori 75.4 Hori 75.6 Hori 215.5 Hori 576.6 Hori 749.9 Hori 1941.7 Hori 1941.7 Hori 4960.0 Hori 9920.0 Hori 4960.0 Hori 1941.7 Hori 2480.0 Hori 4960.0 Hori 1941.7 Hori 4960.0 Hori 4960.0 Hori 4960.0 Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 7440.0 Hori 9920.0 Hori 724800.0 Vert 72.1 Vert 72.1 | 688 QP 999 QP 040 QP 866 QP 866 QP 000 PK 000 PK 000 PK 000 PK 000 PK 000 AV 000 AV 000 AV 000 AV 000 AV | 49.1 44.0 37.1 34.4 28.0 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 6.2 16.9 19.5 20.9 21.9 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 7.8 9.3 11.7 12.6 13.2 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 32.1 32.0 32.0 31.7 31.1 32.4 31.3 31.1 31.4 30.0 32.4 32.4 31.3 | 31.0 38.2 36.3 36.2 32.0 63.9 52.0 47.0 52.7 56.2 56.1 31.9 | 40.0 43.5 46.0 46.0 73.9 73.9 73.9 73.9 73.9 73.9 53.9 | 9.0 5.3 9.7 9.8 14.0 10.0 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 215.5 Hori 576.0 Hori 749.9 Hori 749.9 Hori 1941.7 Hori 2483.3 Hori 4960.0 Hori 24800.0 Hori 24800.0 Hori 24800.0 Hori 24800.0 Hori 24800.0 Vert 40.0 Vert 72.1 | 99 QP 04 QP 77 QP 05 QP 06 QP 07 QP 08 QP 08 QP 09 QP | 44.0 37.1 34.4 28.0 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 16.9 19.5 20.9 21.9 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 9.3 11.7 12.6 13.2 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 32.0 32.0 31.7 31.1 32.4 31.3 31.1 31.4 30.0 32.4 31.3 | 38.2 36.3 36.2 32.0 63.9 52.0 47.0 52.7 56.2 56.1 31.9 33.6 | 43.5 46.0 46.0 73.9 73.9 73.9 73.9 73.9 73.9 53.9 | 5.3 9.7 9.8 14.0 10.0 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 576.0 Hori 749.5 Hori 749.5 Hori 1941.7 Hori 1941.7 Hori 4960.0 Hori 7440.0 Hori 2483.3 Hori 24800.0 Hori 1941.7 Hori 1940.0 Hori 1941.7 Hori 2483.3 Hori 4960.0 Hori 7440.6 Hori 7440.6 Vert 46.5 Vert 72.1 Vert 215.5 | 04 QP 87 QP 86 QP 00 PK 00 PK 00 PK 00 PK 00 PK 00 PK 00 AV | 37.1 34.4 28.0 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 19.5 20.9 21.9 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 11.7 12.6 13.2 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 32.0 31.7 31.1 32.4 31.3 31.1 31.4 30.0 32.4 31.3 | 36.3 36.2 32.0 63.9 52.0 47.0 52.7 56.2 56.1 31.9 33.6 | 46.0 46.0 73.9 73.9 73.9 73.9 73.9 73.9 53.9 | 9.7 9.8 14.0 10.0 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 749.5 Hori 749.5 Hori 874.5 Hori 1941.7 Hori 2483.3 Hori 4960.0 Hori 9920.0 Hori 24800.0 Hori 1941.7 Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 465.0 Vert 72.1 | 87 QP 86 QP 90 PK 90 AV 90 QP | 34.4 28.0 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 20.9 21.9 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 12.6 13.2 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 31.7 32.4 32.4 31.3 31.1 31.4 30.0 32.4 31.3 | 36.2 32.0 63.9 52.0 47.0 52.7 56.2 56.1 31.9 33.6 | 46.0 46.0 73.9 73.9 73.9 73.9 73.9 73.9 53.9 | 9.8 14.0 10.0 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 874.5 Hori 1941.7 Hori 1941.7 Hori 2483.3 Hori 24800.6 Hori 24800.6 Hori 1941.7 Hori 1941.7 Hori 4960.0 Hori 2483.3 Hori 24800.0 Hori 2480.0 Hori 2480.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 465.7 Vert 72.1 | 86 QP 00 PK 00 AV 00 AV 00 AV 00 AV 00 AV 00 QP 1 QP 20 QP | 28.0 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 21.9 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 13.2 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 31.1 32.4 32.4 31.3 31.1 31.4 30.0 32.4 32.4 31.3 | 32.0 63.9 52.0 47.0 52.7 56.2 56.1 31.9 33.6 | 46.0 73.9 73.9 73.9 73.9 73.9 73.9 53.9 | 14.0 10.0 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 1941 Hori 2483 Hori 4960.0 Hori 24800.0 Hori 24800.0 Hori 1941 Hori 4960.0 Hori 7440.0 Hori 24800.0 Hori 24800.0 Hori 24800.0 Vert 72.1 | 000 PK 000 AV | 67.6 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 26.2 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 2.5 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 32.4 32.4 31.3 31.1 31.4 30.0 32.4 32.4 31.3 | 63.9 52.0 47.0 52.7 56.2 56.1 31.9 33.6 | 73.9 73.9 73.9 73.9 73.9 73.9 53.9 | 10.0 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 2483.: Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 1941.1 Hori 24800.0 Hori 4960.0 Hori 4960.0 Hori 7440.0 Hori 9920.0 Vert 46.5 Vert 72.1 | 00 PK 00 PK 00 PK 00 PK 00 PK 00 AV 00 QV 01 QP 02 QP | 54.3 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 27.3 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 2.8 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 32.4 31.3 31.1 31.4 30.0 32.4 32.4 31.3 | 52.0 47.0 52.7 56.2 56.1 31.9 33.6 | 73.9 73.9 73.9 73.9 73.9 53.9 | 21.9 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Hori 1941.1 Hori 2483.3 Hori 4960.0 Hori 7440.0 Hori 24800.0 Vert 465.0 Vert 72.1 | 00 PK 00 PK 00 PK 00 PK 00 AV 00 QP | 41.5 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 31.5 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 5.3 5.8 6.7 -1.4 2.5 2.8 5.3 | 31.3 31.1 31.4 30.0 32.4 32.4 31.3 | 47.0 52.7 56.2 56.1 31.9 33.6 | 73.9 73.9 73.9 73.9 53.9 | 26.9 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 7440.0 Hori 9920.0 Hori 24800.0 Hori 1941.: Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 465.: Vert 72.1 | 00 PK 00 PK 00 PK 00 PK 00 AV 01 QP 020 QP | 42.0 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 36.0 38.7 39.1 26.2 27.3 31.5 36.0 | 5.8 6.7 -1.4 2.5 2.8 5.3 | 31.1 31.4 30.0 32.4 32.4 31.3 | 52.7 56.2 56.1 31.9 33.6 | 73.9 73.9 73.9 53.9 | 21.2 17.7 17.8 22.0 | VBW=10Hz |
| Hori 9920.0 Hori 24800.0 Hori 1941.7 Hori 2483.5 Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 46.5 Vert 72.1 | 00 PK 00 PK 00 AV 00 AV 00 AV 00 AV 00 AV 00 AV 00 AV 71 QP 20 QP | 42.2 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 38.7 39.1 26.2 27.3 31.5 36.0 | 6.7 -1.4 2.5 2.8 5.3 | 31.4 30.0 32.4 32.4 31.3 | 56.2 56.1 31.9 33.6 | 73.9 73.9 53.9 | 17.7 17.8 22.0 | VBW=10Hz |
| Hori 24800.0 Hori 1941 Hori 2483.5 Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 46.5 Vert 72.1 | 00 PK 00 AV 000 AV 000 AV 000 AV 000 AV 000 AV 71 QP 220 QP | 48.4 35.6 35.9 29.7 29.9 30.4 36.4 | 39.1 26.2 27.3 31.5 36.0 | -1.4 2.5 2.8 5.3 | 30.0 32.4 32.4 31.3 | 56.1 31.9 33.6 | 73.9 53.9 | 17.8 22.0 | VBW=10Hz |
| Hori 1941.: Hori 2483.: Hori 4960. Hori 7440. Hori 9920. Hori 24800. Vert 46.: Vert 72.: | 00 AV 00 AV 00 AV 00 AV 00 AV 00 AV 71 QP QP | 35.6 35.9 29.7 29.9 30.4 36.4 | 26.2 27.3 31.5 36.0 | 2.5 2.8 5.3 | 32.4 32.4 31.3 | 31.9 33.6 | 53.9 | 22.0 | VBW=10Hz |
| Hori 2483.: Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 46.: Vert 72.: Vert 215.5 | 00 AV 00 AV 00 AV 00 AV 00 AV 71 QP 20 QP | 35.9 29.7 29.9 30.4 36.4 | 27.3 31.5 36.0 | 2.8 5.3 | 32.4 31.3 | 33.6 | | | VBW=10Hz |
| Hori 4960.0 Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 46.7 Vert 72.1 Vert 215.9 | 00 AV 00 AV 00 AV 00 AV 71 QP 20 QP | 29.7 29.9 30.4 36.4 | 31.5 36.0 | 5.3 | 31.3 | | 53.9 | 20.3 | |
| Hori 7440.0 Hori 9920.0 Hori 24800.0 Vert 46.7 Vert 72.1 Vert 215.9 | 00 AV 00 AV 00 AV 71 QP 20 QP | 29.9 30.4 36.4 | 36.0 | | | 35.2 | | | |
| Hori 9920.0 Hori 24800.0 Vert 46.7 Vert 72.1 Vert 215.9 | 00 AV 00 AV 71 QP 20 QP | 30.4 36.4 | | 5.8 | | | 53.9 | 18.7 | |
| Hori 24800.0 Vert 46.7 Vert 72.1 Vert 215.9 | 00 AV 71 QP 20 QP | 36.4 | 38.7 | | 31.1 | 40.6 | 53.9 | 13.3 | |
| Hori 24800.0 Vert 46.7 Vert 72.1 Vert 215.9 | 00 AV 71 QP 20 QP | | | 6.7 | 31.4 | 44.4 | 53.9 | 9.5 | |
| Vert 46.3 Vert 72.1 Vert 215.9 | 71 QP 20 QP | 47.4 | 39.1 | -1.4 | 30.0 | 44.1 | 53.9 | 9.8 | |
| Vert 215.9 | 20 QP | | 11.4 | 7.4 | 32.2 | 34.0 | 40.0 | 6.0 | |
| | - | 45.7 | 6.2 | 7.8 | 32.1 | 27.6 | 40.0 | 12.4 | |
| Vert 576.0 | 99 QP | 30.8 | 16.9 | 9.3 | 32.0 | 25.0 | 43.5 | 18.5 | |
| | 02 QP | 34.7 | 19.5 | 11.7 | 32.0 | 33.9 | 46.0 | 12.1 | |
| Vert 749.9 | - | 38.1 | 20.9 | 12.6 | 31.7 | 39.9 | 46.0 | 6.1 | |
| Vert 874.9 | - | 28.8 | 21.9 | 13.2 | 31.1 | 32.8 | 46.0 | 13.2 | |
| Vert 1943.6 | 83 PK | 67.0 | 26.2 | 2.5 | 32.4 | 63.3 | 73.9 | 10.6 | |
| Vert 2483.5 | 00 PK | 56.4 | 27.3 | 2.8 | 32.4 | 54.1 | 73.9 | 19.8 | |
| Vert 4960.0 | 00 PK | 41.9 | 31.5 | 5.3 | 31.3 | 47.4 | 73.9 | 26.6 | |
| Vert 7440.0 | | 42.1 | 36.0 | 5.8 | 31.1 | 52.8 | 73.9 | 21.2 | |
| Vert 9920.0 | | 42.5 | 38.7 | 6.7 | 31.4 | 56.5 | 73.9 | 17.5 | |
| Vert 24800.0 | 00 PK | 48.3 | 39.1 | -1.4 | 30.0 | 56.0 | 73.9 | 17.9 | |
| Vert 1943.6 | | 34.8 | 26.2 | 2.5 | 32.4 | 31.1 | 53.9 | 22.9 | VBW=10Hz |
| Vert 2483.5 | | 36.3 | 27.3 | 2.8 | 32.4 | 34.0 | 53.9 | 19.9 | |
| Vert 4960.0 | | 29.2 | 31.5 | 5.3 | 31.3 | 34.7 | 53.9 | 19.2 | |
| Vert 7440.0 | | 29.9 | 36.0 | 5.8 | 31.1 | 40.6 | 53.9 | 13.3 | |
| Vert 9920.0 | | 30.4 | 38.7 | 6.7 | 31.4 | 44.4 | 53.9 | 9.5 | |
| Vert 24800.0 | | 36.6 | 39.1 | -1.4 | 30.0 | 44.3 | 53.9 | 9.6 | |

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB)

Page : 37 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission

(Power Supply: SONY)

Head Office EMC Lab. No.2 Semi Anechoic Chamber Test place

Report No. 30EE0055-HO-01

Date 12/10/2009 12/13/2009 Temperature/ Humidity 22 deg.C./ 34% 22 deg.C./ 41% Engineer Takumi Shimada Takumi Shimada (1-10GHz) (30-1000MHz)

Mode Rx 2441MHz

| [MHz] 50.858 75.382 | QP | [dBuV] | [dB/m] | [dB] | [dB] | | | | |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | OP | | | | | [dBuV/m] | [dBuV/m] | [dB] | |
| 75 382 | | 43.5 | 10.0 | 7.5 | 32.2 | 28.8 | 40.0 | 11.2 | |
| | QP | 49.2 | 6.2 | 7.8 | 32.1 | 31.1 | 40.0 | 8.9 | |
| | QP | 44.3 | 16.9 | 9.3 | 32.0 | 38.5 | 43.5 | 5.0 | |
| 576.003 | QP | 36.2 | 19.5 | 11.7 | 32.0 | 35.4 | 46.0 | 10.6 | |
| | QP | 34.3 | 20.9 | 12.6 | 31.7 | 36.1 | 46.0 | 9.9 | |
| | ` | | | 13.2 | 31.1 | 32.4 | 46.0 | 13.6 | |
| | | | | | | | 73.9 | | |
| | PK | 46.1 | | 2.8 | 32.4 | | 73.9 | 30.3 | |
| 1943.183 | AV | 33.6 | 26.2 | 2.5 | 32.4 | 29.9 | 53.9 | 24.0 | VBW=10Hz |
| | AV | 31.0 | 27.2 | 2.8 | 32.4 | 28.6 | 53.9 | 25.3 | VBW=10Hz |
| | QP | 47.7 | 11.5 | 7.4 | 32.2 | 34.4 | | 5.6 | |
| 71.968 | QP | 45.7 | 6.2 | 7.8 | 32.1 | 27.6 | 40.0 | 12.4 | |
| 215.999 | QP | 31.6 | 16.9 | 9.3 | 32.0 | 25.8 | 43.5 | 17.7 | |
| 576.001 | QP | 34.3 | 19.5 | 11.7 | 32.0 | 33.5 | 46.0 | 12.5 | |
| 749.992 | QP | 38.3 | 20.9 | 12.6 | 31.7 | 40.1 | 46.0 | 5.9 | |
| 874.993 | QP | 29.5 | 21.9 | 13.2 | 31.1 | 33.5 | 46.0 | 12.5 | |
| 1941.767 | PK | 64.5 | 26.2 | 2.5 | 32.4 | 60.8 | 73.9 | 13.1 | |
| 2441.000 | PK | 43.5 | 27.2 | 2.8 | 32.4 | 41.1 | 73.9 | 32.8 | |
| 1941.767 | AV | 33.4 | 26.2 | 2.5 | 32.4 | 29.7 | 53.9 | 24.2 | VBW=10Hz |
| 2441.000 | AV | 30.1 | 27.2 | 2.8 | 32.4 | 27.7 | 53.9 | 26.2 | VBW=10Hz |
| | | | | | | | | | |
| | 874.991 1943.183 2441.000 1943.183 2441.000 46.562 71.968 215.999 576.001 749.992 874.993 1941.767 2441.000 | 874.991 QP 1943.183 PK 2441.000 PK 1943.183 AV 2441.000 AV 46.562 QP 71.968 QP 215.999 QP 576.001 QP 749.992 QP 874.993 QP 1941.767 PK 2441.000 PK | 874.991 QP 28.4 1943.183 PK 65.6 2441.000 PK 46.1 1943.183 AV 31.0 2441.000 AV 31.0 46.562 QP 47.7 71.968 QP 45.7 215.999 QP 31.6 576.001 QP 34.3 749.992 QP 38.3 874.993 QP 29.5 1941.767 PK 64.5 2441.000 PK 43.5 1941.767 AV 33.4 | 874.991 QP 28.4 21.9 1943.183 PK 65.6 26.2 2441.000 PK 46.1 27.2 1943.183 AV 33.6 26.2 2441.000 AV 31.0 27.2 46.562 QP 47.7 11.5 71.968 QP 45.7 6.2 215.999 QP 31.6 16.9 576.001 QP 34.3 19.5 749.992 QP 38.3 20.9 874.993 QP 29.5 21.9 1941.767 PK 64.5 26.2 2441.000 PK 43.5 27.2 1941.767 AV 33.4 26.2 | 874.991 QP 28.4 21.9 13.2 1943.183 PK 65.6 26.2 2.5 2441.000 PK 46.1 27.2 2.8 1943.183 AV 33.6 26.2 2.5 2441.000 AV 31.0 27.2 2.8 46.562 QP 47.7 11.5 7.4 71.968 QP 45.7 6.2 7.8 215.999 QP 31.6 16.9 9.3 576.001 QP 34.3 19.5 11.7 749.992 QP 38.3 20.9 12.6 874.993 QP 29.5 21.9 13.2 1941.767 PK 64.5 26.2 2.5 2441.000 PK 43.5 27.2 2.8 1941.767 AV 33.4 26.2 2.5 | 874.991 QP 28.4 21.9 13.2 31.1 1943.183 PK 65.6 26.2 2.5 32.4 2441.000 PK 46.1 27.2 2.8 32.4 1943.183 AV 33.6 26.2 2.5 32.4 2441.000 AV 31.0 27.2 2.8 32.4 46.562 QP 47.7 11.5 7.4 32.2 71.968 QP 45.7 6.2 7.8 32.1 215.999 QP 31.6 16.9 9.3 32.0 576.001 QP 34.3 19.5 11.7 32.0 749.992 QP 38.3 20.9 12.6 31.7 874.993 QP 29.5 21.9 13.2 31.1 1941.767 PK 64.5 26.2 2.5 32.4 2441.000 PK 43.5 27.2 2.8 32.4 1941.767 AV 33.4 <td>874.991 QP 28.4 21.9 13.2 31.1 32.4 1943.183 PK 65.6 26.2 2.5 32.4 61.9 2441.000 PK 46.1 27.2 2.8 32.4 43.7 1943.183 AV 33.6 26.2 2.5 32.4 29.9 2441.000 AV 31.0 27.2 2.8 32.4 28.6 46.562 QP 47.7 11.5 7.4 32.2 34.4 71.968 QP 45.7 6.2 7.8 32.1 27.6 215.999 QP 31.6 16.9 9.3 32.0 25.8 576.001 QP 34.3 19.5 11.7 32.0 33.5 749.992 QP 38.3 20.9 12.6 31.7 40.1 874.993 QP 29.5 21.9 13.2 31.1 33.5 1941.767 PK 64.5 26.2 2.5 32.4</td> <td>874.991 QP 28.4 21.9 13.2 31.1 32.4 46.0 1943.183 PK 65.6 26.2 2.5 32.4 61.9 73.9 2441.000 PK 46.1 27.2 2.8 32.4 43.7 73.9 1943.183 AV 33.6 26.2 2.5 32.4 29.9 53.9 2441.000 AV 31.0 27.2 2.8 32.4 29.6 53.9 46.562 QP 47.7 11.5 7.4 32.2 34.4 40.0 71.968 QP 45.7 6.2 7.8 32.1 27.6 40.0 215.999 QP 31.6 16.9 9.3 32.0 25.8 43.5 576.001 QP 34.3 19.5 11.7 32.0 33.5 46.0 749.992 QP 38.3 20.9 12.6 31.7 40.1 46.0 874.993 QP 29.5 21</td> <td>874.991 QP 28.4 21.9 13.2 31.1 32.4 46.0 13.6 1943.183 PK 65.6 26.2 2.5 32.4 61.9 73.9 12.0 2441.000 PK 46.1 27.2 2.8 32.4 43.7 73.9 30.3 1943.183 AV 33.6 26.2 2.5 32.4 29.9 53.9 24.0 2441.000 AV 31.0 27.2 2.8 32.4 28.6 53.9 25.3 46.562 QP 47.7 11.5 7.4 32.2 34.4 40.0 5.6 71.968 QP 45.7 6.2 7.8 32.1 27.6 40.0 12.4 215.999 QP 31.6 16.9 9.3 32.0 25.8 43.5 17.7 576.001 QP 34.3 19.5 11.7 32.0 33.5 46.0 12.5 749.992 QP 38.3 2</td> | 874.991 QP 28.4 21.9 13.2 31.1 32.4 1943.183 PK 65.6 26.2 2.5 32.4 61.9 2441.000 PK 46.1 27.2 2.8 32.4 43.7 1943.183 AV 33.6 26.2 2.5 32.4 29.9 2441.000 AV 31.0 27.2 2.8 32.4 28.6 46.562 QP 47.7 11.5 7.4 32.2 34.4 71.968 QP 45.7 6.2 7.8 32.1 27.6 215.999 QP 31.6 16.9 9.3 32.0 25.8 576.001 QP 34.3 19.5 11.7 32.0 33.5 749.992 QP 38.3 20.9 12.6 31.7 40.1 874.993 QP 29.5 21.9 13.2 31.1 33.5 1941.767 PK 64.5 26.2 2.5 32.4 | 874.991 QP 28.4 21.9 13.2 31.1 32.4 46.0 1943.183 PK 65.6 26.2 2.5 32.4 61.9 73.9 2441.000 PK 46.1 27.2 2.8 32.4 43.7 73.9 1943.183 AV 33.6 26.2 2.5 32.4 29.9 53.9 2441.000 AV 31.0 27.2 2.8 32.4 29.6 53.9 46.562 QP 47.7 11.5 7.4 32.2 34.4 40.0 71.968 QP 45.7 6.2 7.8 32.1 27.6 40.0 215.999 QP 31.6 16.9 9.3 32.0 25.8 43.5 576.001 QP 34.3 19.5 11.7 32.0 33.5 46.0 749.992 QP 38.3 20.9 12.6 31.7 40.1 46.0 874.993 QP 29.5 21 | 874.991 QP 28.4 21.9 13.2 31.1 32.4 46.0 13.6 1943.183 PK 65.6 26.2 2.5 32.4 61.9 73.9 12.0 2441.000 PK 46.1 27.2 2.8 32.4 43.7 73.9 30.3 1943.183 AV 33.6 26.2 2.5 32.4 29.9 53.9 24.0 2441.000 AV 31.0 27.2 2.8 32.4 28.6 53.9 25.3 46.562 QP 47.7 11.5 7.4 32.2 34.4 40.0 5.6 71.968 QP 45.7 6.2 7.8 32.1 27.6 40.0 12.4 215.999 QP 31.6 16.9 9.3 32.0 25.8 43.5 17.7 576.001 QP 34.3 19.5 11.7 32.0 33.5 46.0 12.5 749.992 QP 38.3 2 |

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB 26.5GHz-40GHz 20log(3.0m/0.5m)=15.6dB Distance factor:

UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 38 of 42 Issued date : January 20,

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission Reference Data (Power Supply: DELTA)

Test place Head Office EMC Lab. No.4 Semi Anechoic Chamber

Report No. 30EE0055-HO-01
Date 12/26/2009
Temperature/ Humidity 23 deg.C./ 38%
Engineer Takumi Shimada

Mode Tx, DH5 2441MHz

| Polarity | Frequency [MHz] | Detector | Reading [dBuV] | Ant.Fac. [dB/m] | Loss [dB] | Gain [dB] | Result [dBuV/m] | Limit [dBuV/m] | Margin [dB] | Remark |
|----------|--------------------|----------|----------------|-----------------|--------------|--------------|--------------------|-------------------|----------------|------------|
| Hori | 47.995 | QP | 35.1 | 12.0 | 7.5 | 32.0 | 22.6 | 40.0 | 17.4 | |
| Hori | 75.448 | OP | 46.8 | 7.0 | 7.9 | 32.0 | 29.7 | 40.0 | 10.3 | |
| Hori | 215.999 | QP . | 42.4 | 17.6 | 9.3 | 31.9 | 37.4 | 43.5 | 6.1 | |
| Hori | 576.002 | QP | 35.3 | 20.1 | 11.6 | 32.1 | 34.9 | 46.0 | 11.1 | |
| Hori | 749.978 | QP QP | 34.2 | 23.0 | 12.5 | 31.9 | 37.8 | 46.0 | 8.2 | |
| Hori | 874.978 | QP QP | 33.5 | 23.8 | 13.1 | 31.3 | 39.1 | 46.0 | 6.9 | |
| Hori | 1941.829 | PK | 62.7 | 25.9 | 2.7 | 33.0 | 58.3 | 73.9 | 15.6 | |
| Hori | 4882.000 | PK | 42.7 | 31.1 | 5.4 | 31.9 | 47.3 | 73.9 | 26.6 | |
| Hori | 7323.000 | PK | 42.1 | 36.1 | 5.8 | 32.6 | 51.4 | 73.9 | 22.5 | |
| Hori | | PK | 42.0 | 38.1 | 7.0 | 33.4 | 53.7 | 73.9 | 20.2 | |
| Hori | 24410.000 | PK | 47.5 | 38.3 | -1.1 | 32.3 | 52.4 | 73.9 | 21.5 | |
| Hori | 1941.829 | AV | 33.6 | 25.9 | 2.7 | 33.0 | 29.2 | 53.9 | 24.7 | VBW=10Hz |
| Hori | 4882.000 | AV | 33.1 | 31.1 | 5.4 | 31.9 | 37.7 | 53.9 | 16.2 | TDTT TOTAL |
| Hori | | AV | 30.0 | 36.1 | 5.8 | 32.6 | 39.3 | 53.9 | 14.6 | |
| | | | 30.0 | 38.1 | 7.0 | | | | | |
| Hori | 9764.000 | AV | 34.9 | | | 33.4 | 41.7 | 53.9 | 12.2 14.1 | |
| Hori | 24410.000 | AV | | 38.3 | -1.1 | 32.3 | 39.8 | 53.9 | | |
| Vert | 46.436 | QP | 44.2 | 12.6 | 7.5 | 32.1 | 32.2 | 40.0 | 7.8 | |
| Vert | 75.568 | QP | 41.7 | 7.0 | 7.9 | 32.0 | 24.6 | 40.0 | 15.4 | |
| Vert | 215.999 | QP | 35.1 | 17.6 | 9.3 | 31.9 | 30.1 | 43.5 | 13.4 | |
| Vert | 576.007 | QP | 33.7 | 20.1 | 11.6 | 32.1 | 33.3 | 46.0 | 12.7 | |
| Vert | 749.968 | QP | 33.5 | 23.0 | 12.5 | 31.9 | 37.1 | 46.0 | 8.9 | |
| Vert | 874.961 | QP | 32.0 | 23.8 | 13.1 | 31.3 | 37.6 | 46.0 | 8.4 | |
| Vert | 1942.183 | | 68.8 | 25.9 | 2.7 | 33.0 | 64.4 | 73.9 | 9.5 | |
| Vert | 4882.000 | PK | 43.0 | 31.1 | 5.4 | 31.9 | 47.6 | 73.9 | 26.3 | |
| Vert | 9764.000 | PK | 42.3 | 38.1 | 7.0 | 33.4 | 54.0 | 73.9 | 19.9 | |
| Vert | 24410.000 | PK | 47.7 | 38.3 | -1.1 | 32.3 | 52.6 | 73.9 | 21.3 | |
| Vert | 1942.183 | AV | 36.4 | 25.9 | 2.7 | 33.0 | 32.0 | 53.9 | 21.9 | VBW=10Hz |
| Vert | 4882.000 | AV | 33.0 | 31.1 | 5.4 | 31.9 | 37.6 | 53.9 | 16.3 | |
| Vert | 7323.000 | AV | 30.0 | 36.1 | 5.8 | 32.6 | 39.3 | 53.9 | 14.6 | |
| Vert | 9764.000 | AV | 30.0 | 38.1 | 7.0 | 33.4 | 41.7 | 53.9 | 12.2 | |
| Vert | 24410.000 | AV | 34.7 | 38.3 | -1.1 | 32.3 | 39.6 | 53.9 | 14.3 | |
| | | | | | | | | | | |

Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB 26.5GHz-40GHz 20log(3.0m/0.5m)=15.6dB

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^{*}Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

Page : 39 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

Radiated Spurious Emission Reference Data (Power Supply: DELTA)

Test place Head Office EMC Lab. No.3 Semi Anechoic Chamber

Report No. 30EE0055-HO-01
Date 01/15/2010
Temperature/ Humidity 23 deg.C./ 38%
Engineer Takumi Shimada

Mode Rx, 2441MHz

| Polarity | Frequency | Detector | | | Loss | Gain | Result | Limit | Margin | Remark |
|----------|-----------|----------|--------|--------|------|------|----------|----------|--------|----------|
| | [MHz] | OD | [dBuV] | [dB/m] | [dB] | [dB] | [dBuV/m] | [dBuV/m] | [dB] | |
| Hori | 48.005 | | 39.0 | 11.0 | 7.4 | 32.2 | 25.2 | 40.0 | 14.8 | |
| Hori | 79.195 | ~ | 47.8 | 6.1 | 7.9 | 32.1 | 29.7 | 40.0 | 10.3 | |
| Hori | 215.999 | ` | 44.2 | 16.9 | 9.3 | 32.0 | 38.4 | 43.5 | 5.1 | |
| Hori | 576.004 | | 40.2 | 19.5 | 11.7 | 32.0 | 39.4 | 46.0 | 6.6 | |
| Hori | 750.000 | QP | 33.9 | 20.9 | 12.6 | 31.7 | 35.7 | 46.0 | 10.3 | |
| Hori | 874.995 | _ | 30.3 | 21.9 | 13.2 | 31.1 | 34.3 | 46.0 | 11.7 | |
| Hori | 1941.807 | | 61.3 | 26.8 | 2.5 | 32.7 | 57.9 | 73.9 | 16.0 | |
| Hori | 2441.000 | | 42.3 | 27.2 | 2.8 | 32.3 | 40.0 | 73.9 | 33.9 | |
| Hori | 3186.506 | | 52.2 | 28.4 | 3.1 | 31.9 | 51.8 | 73.9 | 22.1 | |
| Hori | 1941.807 | AV | 32.2 | 26.8 | 2.5 | 32.7 | 28.8 | 53.9 | 25.2 | VBW=10Hz |
| Hori | 2441.000 | | 31.0 | 27.2 | 2.8 | 32.3 | 28.7 | 53.9 | 25.2 | VBW=10Hz |
| Hori | 3186.506 | | 35.2 | 28.4 | 3.1 | 31.9 | 34.8 | 53.9 | 19.1 | VBW=10Hz |
| Vert | 44.776 | QP | 43.9 | 12.1 | 7.4 | 32.2 | 31.2 | 40.0 | 8.8 | |
| Vert | 78.372 | | 41.9 | 6.1 | 7.9 | 32.1 | 23.8 | 40.0 | 16.2 | |
| Vert | 215.999 | QP | 33.8 | 16.9 | 9.3 | 32.0 | 28.0 | 43.5 | 15.5 | |
| Vert | 576.001 | QP | 36.4 | 19.5 | 11.7 | 32.0 | 35.6 | 46.0 | 10.4 | |
| Vert | 749.992 | QP | 34.2 | 20.9 | 12.6 | 31.7 | 36.0 | 46.0 | 10.0 | |
| Vert | 874.993 | QP | 29.6 | 21.9 | 13.2 | 31.1 | 33.6 | 46.0 | 12.4 | |
| Vert | 1941.870 | PK | 66.7 | 26.8 | 2.5 | 32.7 | 63.3 | 73.9 | 10.6 | |
| Vert | 2441.000 | PK | 44.8 | 27.2 | 2.8 | 32.3 | 42.5 | 73.9 | 31.4 | |
| Vert | 3187.367 | PK | 53.8 | 28.4 | 3.1 | 31.9 | 53.4 | 73.9 | 20.5 | |
| Vert | 1941.870 | | 35.5 | 26.8 | 2.5 | 32.7 | 32.1 | 53.9 | 21.8 | VBW=10Hz |
| Vert | 2441.000 | | 31.4 | 27.2 | 2.8 | 32.3 | 29.1 | 53.9 | 24.8 | VBW=10Hz |
| Vert | 3187.367 | | 36.4 | 28.4 | 3.1 | 31.9 | 36.0 | 53.9 | 17.9 | VBW=10Hz |
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Result = Reading + Ant Factor + Loss (Cable+Attenuator+Filter-Distance factor(above 10GHz)) - Gain(Amplifier)

*Other frequency noises omitted in this report were not seen or had enough margin (more than 20dB).

*The 10th harmonic was not seen so the result was its base noise level.

Distance factor: 10GHz-26.5GHz 20log(3.0m/1.0m)= 9.5dB 26.5GHz-40GHz 20log(3.0m/0.5m)=15.6dB

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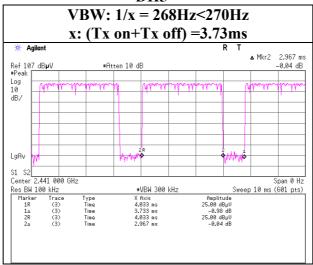
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Page : 40 of 42

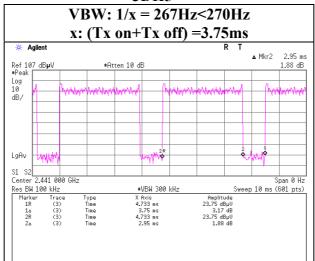
Issued date : January 20, 2010 FCC ID : XCET12NA28K

VBW (AV) Calculation

DH5



3DH5



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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 41 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

APPENDIX 3: Test instruments

EMI test equipment

| Control No. | Instrument | Manufacturer | Model No | Serial No | Test Item | Calibration Date * Interval(month) |
|-------------|-----------------------------------|--------------------------|---------------------------------------------------------------------------------------------|----------------------------|-----------|------------------------------------|
| MAEC-04 | Semi Anechoic Chamber(NSA) | TDK | Semi Anechoic Chamber 3m | DA-10005 | RE/CE | 2009/02/03 * 12 |
| MOS-15 | Thermo-Hygrometer | Custom | CTH-180 | - | RE/CE | 2009/02/06 * 12 |
| MJM-07 | Measure | PROMART | SEN1955 | - | RE/CE | - |
| COTS-MEMI | EMI measurement program | TSJ | TEPTO-DV | - | RE/CE | - |
| MSA-05 | Spectrum Analyzer | Advantest | R3273 | 160400285 | RE/CE | 2009/12/15 * 12 |
| MTR-07 | Test Receiver | Rohde & Schwarz | ESCI | 100635 | RE/CE | 2009/10/23 * 12 |
| MBA-05 | Biconical Antenna | Schwarzbeck | BBA9106 | 1302 | RE | 2009/01/10 * 12 |
| MLA-02 | Logperiodic Antenna | Schwarzbeck | USLP9143 | 201 | RE | 2009/10/05 * 12 |
| MCC-50 | Coaxial cable | UL Japan | - | - | RE | 2009/03/18 * 12 |
| MAT-31 | Attenuator(6dB) | TME | UFA-01 | - | RE | 2009/11/11 * 12 |
| MPA-14 | Pre Amplifier | SONOMA INSTRUMENT | 310 | 260833 | RE | 2009/03/18 * 12 |
| MHA-21 | Horn Antenna 1-18GHz | Schwarzbeck | BBHA9120D | 9120D-557 | RE | 2009/08/10 * 12 |
| MCC-57 | Microwave Cable 1G- 26.5GHz 6m | Suhner | SUCOFLEX104 | 246769(1m) / 292411(5m) | RE | 2009/11/17 * 12 |
| MPA-12 | MicroWave System Amplifier | Agilent | 83017A | MY39500780 | RE | 2009/03/19 * 12 |
| MHA-17 | Horn Antenna 15-40GHz | Schwarzbeck | BBHA9170 | BBHA9170307 | RE | 2009/06/18 * 12 |
| MCC-79 | Microwave Cable 1G- 26.5GHz | Suhner | SUCOFLEX104 | 278923/4 | RE | 2009/12/19 * 12 |
| MHF-20 | High Pass Filter 3.5- 18.0GHz | TOKIMEC | | | RE | 2009/12/19 * 12 |
| MLS-02 | LISN(AMN) | Schwarzbeck | NSLK8127 | 8127383 | CE(EUT) | 2009/06/22 * 12 |
| MLS-03 | LISN(AMN) | Schwarzbeck | NSLK8127 | 8127384 | CE(AE) | 2009/07/16 * 12 |
| MTA-06 | Terminator | MCL | BTRM-50 | 1 9951 | CE | 2009/02/17 * 12 |
| MCC-113 | Coaxial cable | Fujikura/Suhner/TSJ | 5D- 2W(10m)/SFM141(5m)/421- 010(1m)/sucoform1 41-PE(1m)/RFM- E121(Switcher) | -/04178 | СЕ | 2009/07/01 * 12 |
| MAEC-03 | Semi Anechoic Chamber(NSA) | TDK | Semi Anechoic Chamber 3m | DA-10005 | RE | 2009/02/02 * 12 |
| MOS-13 | Thermo-Hygrometer | Custom | CTH-180 | - | RE | 2009/02/06 * 12 |
| MJM-06 | Measure | PROMART | SEN1955 | - | RE | - |
| MSA-04 | Spectrum Analyzer | Agilent | E4448A | US44300523 | RE/AT | 2009/08/25 * 12 |
| MHA-20 | Horn Antenna 1-18GHz | Schwarzbeck | BBHA9120D | 258 | RE | 2009/04/30 * 12 |
| MCC-56 | Microwave Cable 1G- 26.5GHz | Suhner | SUCOFLEX104 | 174410(1m) / 284655(5m) | RE | 2009/01/07 * 12 |
| MPA-11 | MicroWave System Amplifier | Agilent | 83017A | MY39500779 | RE | 2009/03/19 * 12 |
| MPM-08 | Power Meter | Anritsu | ML2495A | 6K00003338 | AT | 2009/09/09 * 12 |
| MPSE-11 | Power sensor | Anritsu | MA2411B | 011737 | AT | 2009/09/09 * 12 |
| MAT-20 | Attenuator(10dB)(above 1GHz) | HIROSE ELECTRIC CO.,LTD. | AT-110 | - | AT | 2009/01/16 * 12 |
| | | | | | | |

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Page : 42 of 42

Issued date : January 20, 2010 FCC ID : XCET12NA28K

| Control No. | Instrument | Manufacturer | Model No | Serial No | Test Item | Calibration Date * Interval(month) |
|-------------|----------------------------------|----------------------|--------------------------------------------------------|----------------------------|-----------|------------------------------------|
| MHA-16 | Horn Antenna 15-40GHz | Schwarzbeck | BBHA9170 | BBHA9170306 | RE | 2009/04/30 * 12 |
| MAEC-02 | Semi Anechoic Chamber(NSA) | TDK | Semi Anechoic Chamber 3m | DA-06902 | RE/CE | 2009/08/17 * 12 |
| MOS-22 | Thermo-Hygrometer | Custom | CTH-201 | 0003 | RE/CE | 2009/02/05 * 12 |
| MJM-05 | Measure | PROMART | SEN1955 | - | RE/CE | - |
| MSA-03 | Spectrum Analyzer | Agilent | E4448A | MY44020357 | RE/CE | 2009/11/20 * 12 |
| MHA-06 | Horn Antenna 1-18GHz | Schwarzbeck | BBHA9120D | 254 | RE | 2009/01/31 * 12 |
| MCC-47 | Microwave Cable 1G- 26.5GHz | Suhner | SUCOFLEX104 | 295123(5m) / 287573(1m) | RE | 2009/11/19 * 12 |
| MPA-10 | Pre Amplifier | Agilent | 8449B | 3008A02142 | RE | 2009/09/14 * 12 |
| MCC-77 | Microwave Cable 1G- 26.5GHz | Suhner | SUCOFLEX104 | 278942/4 | RE | 2008/12/17 * 12 |
| MHF-18 | High Pass Filter 3.5- 18.0GHz | TOKIMEC | TF323DCA | 7002 | RE | 2008/12/16 * 12 |
| MTR-03 | Test Receiver | Rohde & Schwarz | ESCI | 100300 | CE | 2009/04/14 * 12 |
| MLS-06 | LISN(AMN) | Schwarzbeck | NSLK8127 | 8127363 | CE(EUT) | 2009/02/18 * 12 |
| MLS-07 | LISN(AMN) | Schwarzbeck | NSLK8127 | 8127364 | CE(AE) | 2009/02/18 * 12 |
| MTA-07 | Terminator | MCL | BTRM-50 | 1 9944 | CE | 2009/02/17 * 12 |
| MCC-13 | Coaxial Cable | Fujikura | 3D-2W(12m)/5D- 2W(5m)/5D- 2W(0.8m)/5D- 2W(1m) | - | CE | 2009/02/16 * 12 |
| MTR-08 | Test Receiver | Rohde & Schwarz | ESCI | 100767 | RE | 2009/06/30 * 12 |
| MBA-03 | Biconical Antenna | Schwarzbeck | BBA9106 | 1915 | RE | 2009/01/19 * 12 |
| MLA-03 | Logperiodic Antenna | Schwarzbeck | USLP9143 | 174 | RE | 2009/01/10 * 12 |
| MCC-51 | Coaxial cable | UL Japan | - | - | RE | 2009/07/02 * 12 |
| MAT-09 | Attenuator(6dB) | Weinschel Corp | 2 | BK7973 | RE | 2009/11/12 * 12 |
| MPA-13 | Pre Amplifier | SONOMA INSTRUMENT | 310 | 260834 | RE | 2009/03/18 * 12 |
| MSA-09 | Spectrum Analyzer | Advantest | R3273 | 95090115 | RE | 2009/12/11 * 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: CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted test

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