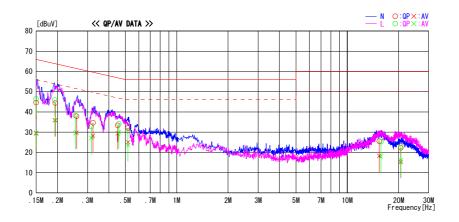
Page : 18 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

APPENDIX 2: Data of EMI test

Conducted Emission

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

Report No. 29IE0011-HO-01
Date 05/02/2009
Temperature/ Humidity 21 deg. C. / 40%
Engineer Hironobu Ohnishi
Mode Tx 2402MHz, DH5



-	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		29. 2	0.2	44. 6	29. 4	66.0	56. 0	21.4	26. 6	N
0. 19430	44. 1	35.6	0.3	44. 4	35. 9	63.9	53. 9	19.5	18. 0	N
0. 25865			0.3	37.8	29.8	61.5		23. 7	21. 7	N
0. 32323			0.3	34. 6	28. 2	59.6	49. 6	25. 0	21. 4	N
0. 45071	33.0		0.3	33.3	29. 4	56.9	46. 9	23. 6	17. 5	N
0. 51826		24. 7	0.3	32.1	25.0	56.0		23. 9	21. 0	N
15. 39348	24. 1	16.9	1.4	25. 5	18. 3	60.0	50.0	34. 5	31. 7	N
20. 57264			1.7	22. 2	15. 3	60.0		37.8	34. 7	N
0. 15000			0.2	46. 4	29. 7	66.0	56. 0	19.6	26. 3	L
0. 19280			0.3	45.8	35. 9	63.9	53. 9	18. 1	18. 0	L
0. 25506	37. 9		0.3	38. 2	29. 5	61.6	51.6	23. 4	22. 1	L
0. 31648	32.6	26.8	0.3	32. 9	27. 1	59.8		26. 9	22. 7	L
0. 45763			0.3	34. 1	30.0	56.7		22. 6	16. 7	L
0. 51818		23.3	0.3	30. 7	23. 6	56.0	46. 0	25. 3	22. 4	L
15. 73289			1.4	25. 3	18. 0	60.0	50.0	34. 7	32. 0	L
20. 58083	21.3	14.4	1.7	23. 0	16. 1	60.0	50.0	37.0	33. 9	L

 $\label{loss} \mbox{CHART:WITH FACTOR, Peak hold data. CALCURATION:RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS) \mbox{Except for the above table: adequate margin data below the limits.}$

UL Japan, Inc. Head Office EMC Lab.

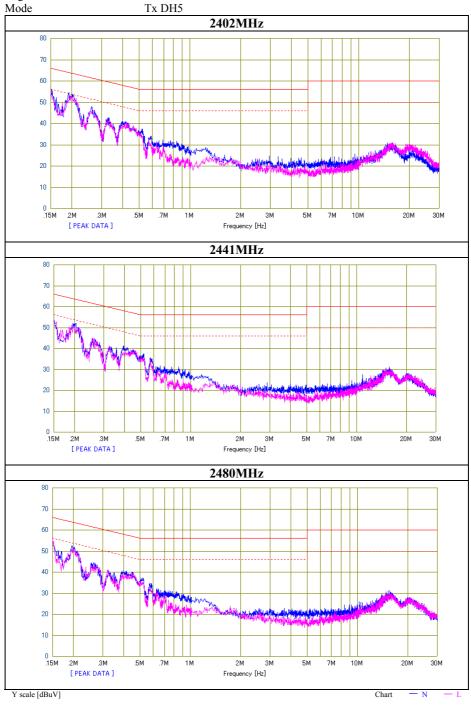
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 19 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Emission

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

Report No. 29IE0011-HO-01
Date 05/02/2009
Temperature/ Humidity 21 deg.C./ 40%
Engineer Hironobu Ohnishi



UL Japan, Inc. Head Office EMC Lab.

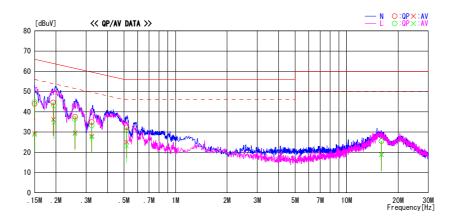
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 20 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Emission

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

Report No. 29IE0011-HO-01
Date 05/02/2009
Temperature/ Humidity 21 deg.C./ 40%
Engineer Hironobu Ohnishi
Mode Rx 2441MHz



Frequency	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			0. 2		29. 4	66.0		22. 1	26. 6	N
0. 19290	44. 3	35.9	0.3	44. 6	36. 2	63.9	53. 9	19.3	17. 7	N
0. 25902	37. 3	29.4	0.3	37. 6	29. 7	61.5	51.5	23. 9	21.8	N
0. 32347	34.6	27.7	0.3		28.0	59.6		24. 7	21.6	N
0.51764	32.0	24. 8	0.3		25. 1	56.0	46.0	23. 7	20. 9	N
15. 97115	24.0	17. 3	1.5	25. 5	18.8	60.0	50.0	34. 5	31.2	N
0. 15000	44.7	28. 5	0.2	44. 9	28. 7	66.0	56.0	21.1	27. 3	L
0. 19466	42.9	34. 3	0.3	43. 2	34. 6	63.8	53.8	20.6	19. 2	L
0. 25736	36. 1	28.8	0.3	36. 4	29. 1	61.5	51.5	25. 1	22. 4	L
0. 32343	32. 9	27. 2	0.3	33. 2	27. 5	59.6	49. 6	26. 4	22. 1	L
0.51826	30.5	22.7	0.3	30.8	23.0	56.0	46.0	25. 2	23. 0	L
15. 97283	24.0	17. 2	1.5	25. 5	18. 7	60.0	50.0	34. 5	31.3	L

UL Japan, Inc. Head Office EMC Lab.

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

Page : 21 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

20dB Bandwidth and Carrier Frequency Separation

Test place Head Office EMC Lab. No.6 Shielded Room

Report No. 29IE0011-HO-01

 Date
 05/11/2009
 06/02/2009

 Temperature/ Humidity
 25 deg.C./ 43%
 23 deg.C./ 61%

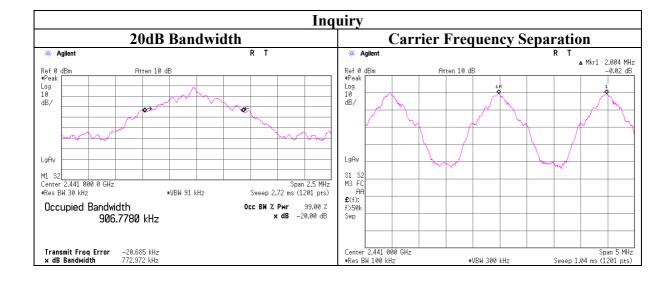
 Engineer
 Takeshi Choda
 Hironobu Ohnishi

Mode Tx (Hopping on) DH5/Inquiry Tx (Hopping off) DH5

Mode	Freq.	20dB Bandwidth	Carrier Frequency	Limit for Carrier
			Separation	Frequency separation
	[MHz]	[MHz]	[MHz]	[MHz]
DH5	2402.0	0.971	1.000	>= 0.971
DH5	2441.0	0.975	1.000	>= 0.975
DH5	2480.0	0.978	1.013	>= 0.978
Inquiry	2441.0	0.773	2.004	>= 0.773

Limit: 20dB Bandwidth or 25kHz (whichever is greater).

No limit applies to 20dB Bandwidth.

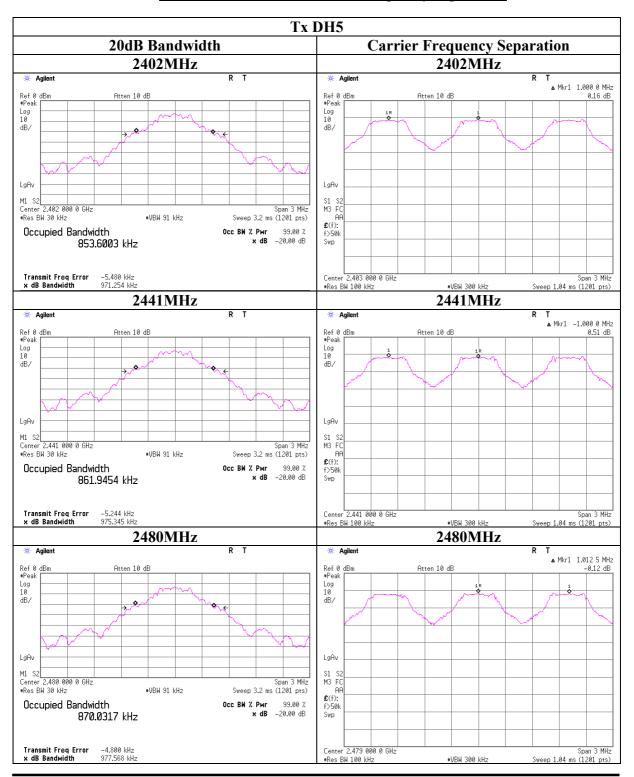


UL Japan, Inc. Head Office EMC Lab.

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

Page : 22 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

20dB Bandwidth and Carrier Frequency Separation



UL Japan, Inc.

Head Office EMC Lab.

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

Page : 23 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Number of Hopping Frequency

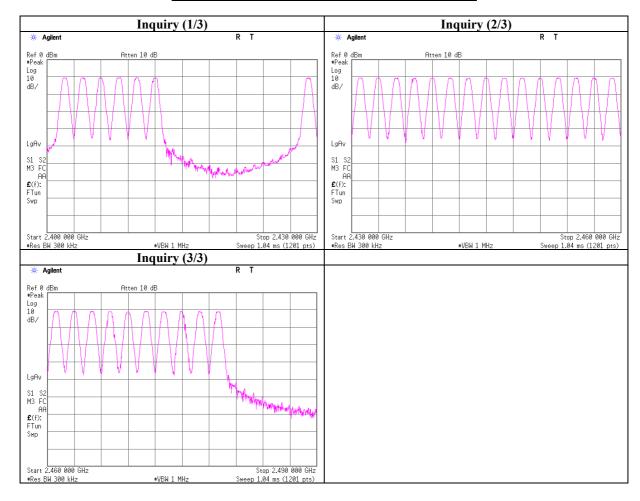
Test place Head Office EMC Lab. No.6 Shielded Room

Report No. 29IE0011-HO-01

Date05/11/200906/02/2009Temperature/ Humidity25 deg.C./ 43%23 deg.C./ 61%EngineerTakeshi ChodaHironobu Ohnishi

Mode Tx (Hopping on) DH5/Inquiry

Mode	Number of channel [times]	Limit [times]
DH5	79	>= 15
Inquiry	32	>= 15

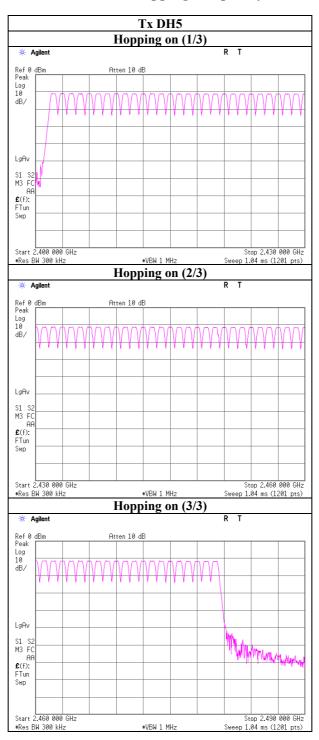


UL Japan, Inc. Head Office EMC Lab.

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

Page : 24 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Number of Hopping Frequency



UL Japan, Inc. Head Office EMC Lab.

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

Page : 25 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Dwell time

Test place Head Office EMC Lab. No.6 Shielded Room

Report No. 29IE0011-HO-01

Date05/11/200906/02/2009Temperature/ Humidity25 deg.C./ 43%23 deg.C./ 61%EngineerTakeshi ChodaHironobu Ohnishi

Mode Tx (Hopping on) DH5/Inquiry

Mode		Number of t	ransmission		Length of	Result	Limit
		in a 31.6(79 H	opping x 0.4)	transmission time			
	/ 12.	8(32 Hopping	x 0.4)second period	[msec]	[msec]	[msec]	
DH1	48.8 times /	5 sec. x	31.6 sec. =	309 times	0.432	133	400
DH3	24.8 times /	5 sec. x	31.6 sec. =	157 times	1.687	265	400
DH5	20.0 times /	5 sec. x	31.6 sec. =	2.945	374	400	
Inquiry	100.0 times /	1 sec. x	12.8 sec. =	1280 times	0.133	171	400

Sample Calculation

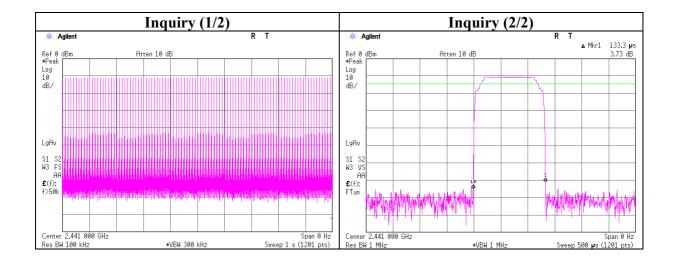
Result = Number of transmission x Length of transmition time

*Average data of 5 tests.(except Inquiry)

Mode			Sampling [time	es]		Average [times]				
	1	1 2 3 4 5								
DH1	50	47	50	47	50	48.8				
DH3	23	24	27	25	25	24.8				
DH5	19	25	21	21	14	20.0				

Sample Calculation

Average= Summation(Sampling 1 to 5) / 5



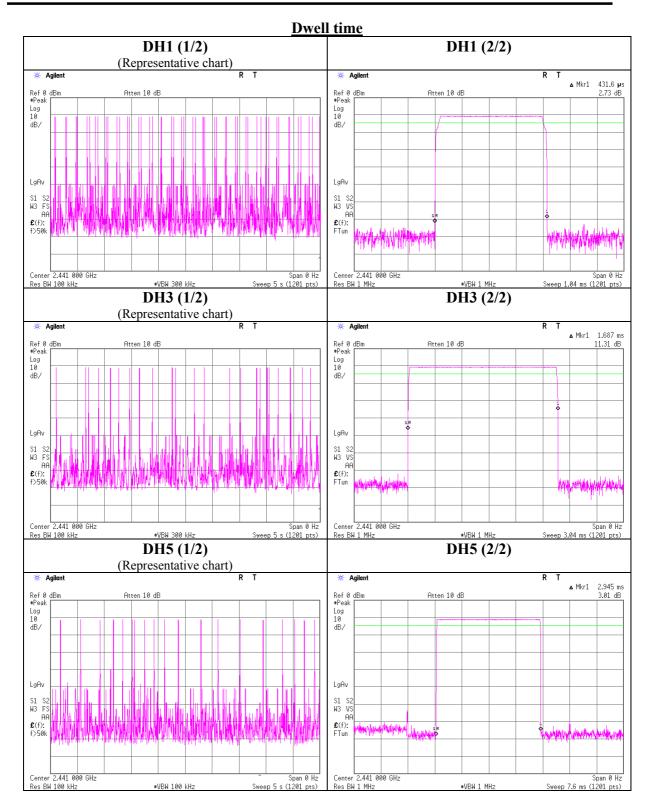
UL Japan, Inc.

Head Office EMC Lab.

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

Test report No. : 29IE0011-HO-01-C Page : 26 of 40

Issued date : June 17, 2009 FCC ID : XGP-BPAD06



UL Japan, Inc. Head Office EMC Lab.

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

Page : 27 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Maximum Peak Output Power

Test place Head Office EMC Lab. No.6 Shielded Room

Report No. 29IE0011-HO-01

Date05/11/200906/02/2009Temperature/ Humidity25 deg.C./ 43%23 deg.C./ 61%EngineerTakeshi ChodaHironobu Ohnishi

Mode Tx (Hopping off) DH5/Inquiry

Mode	Freq.	Reading	Cable	Atten.	Result		Li	Margin	
			Loss						
	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	[dB]
DH5	2402.0	-10.90	2.15	10.09	1.34	1.36	20.97	125	19.63
DH5	2441.0	-10.99	2.17	10.09	1.27	1.34	20.97	125	19.70
DH5	2480.0	-11.27	2.18	10.09	1.00	1.26	20.97	125	19.97
Inquiry	2441.0	-10.91	2.17	10.09	1.35	1.36	20.97	125	19.62

Sample Calculation:

Result = Reading + Cable Loss + 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.

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

: 28 of 40 Page

Issued date : June 17, 2009 : XGP-BPAD06 FCC ID

Radiated Spurious Emission

Test place Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber

Report No. 29IE0011-HO-01

Date 04/27/2009 05/02/2009 Temperature/ Humidity 21 deg.C./ 40% 22 deg.C./ 34% Hironobu Ohnishi Hironobu Ohnishi Engineer

(1-18GHz) (below 1GHz and above 18GHz) No. 4 Semi Anechoic Chamber

No.3 Semi Anechoic Chamber

Mode Tx, DH5 2402MHz

Polarity	Frequency	Detector	Reading		Loss	Gain	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori	85.379	QP	51.2	7.1	7.9	32.0	34.2	40.0	5.8	
Hori	189.642	QP	33.6	16.2	8.9	32.0	26.7	43.5	16.8	
Hori	287.522	QP	42.1	19.5	9.7	31.9	39.4	46.0	6.6	
Hori	311.992	QP	43.6	16.5	9.9	31.9	38.1	46.0	7.9	
Hori	336.462	QP	43.2	16.9	10.1	32.0	38.2	46.0	7.8	
Hori	385.401	QP	36.6	17.6	10.4	32.0	32.6	46.0	13.4	
Hori	1144.017	PK	47.1	24.6	2.0	34.5	39.2	73.9	34.7	
Hori	2390.000	PK	47.3	26.7	2.7	32.3	44.4	73.9	29.5	
Hori	2400.000	PK	63.0	26.7	2.7	32.3	60.1	73.9	13.8	
Hori	4804.000	PK	43.3	31.2	4.7	31.4	47.8	73.9	26.1	
Hori	7206.000	PK	43.1	35.6	5.6	31.9	52.4	73.9	21.5	
Hori	24020.000	PK	42.9	38.6	-1.1	32.5	47.9	73.9	26.0	
Hori	1144.017	AV	39.5	24.6	2.0	34.5	31.6	53.9	22.3	VBW=270Hz
Hori	2390.000	AV	28.8	26.7	2.7	32.3	25.9	53.9	28.1	VBW=270Hz
Hori	2400.000	AV	35.3	26.7	2.7	32.3	32.4	53.9	21.5	VBW=270Hz
Hori	4804.000	AV	35.3	31.2	4.7	31.4	39.8	53.9	14.1	VBW=270Hz
Hori	7206.000	AV	33.1	35.6	5.6	31.9	42.4	53.9	11.5	VBW=270Hz
Hori	24020.000	AV	31.0	38.6	-1.1	32.5	36.0	53.9	17.9	VBW=270Hz
Vert	85.379	QP	45.5	7.1	7.9	32.0	28.5	40.0	11.5	
Vert	189.642	QP	24.3	16.2	8.9	32.0	17.4	43.5	26.1	
Vert	287.522	QP	32.9	19.5	9.7	31.9	30.2	46.0	15.8	
Vert	311.992	QP	27.6	16.5	9.9	31.9	22.1	46.0	23.9	
Vert	336.462	QP	32.3	16.9	10.1	32.0	27.3	46.0	18.7	
Vert	385.401	QP	33.9	17.6	10.4	32.0	29.9	46.0	16.1	
Vert	1144.017	PK	53.3	24.6	2.0	34.5	45.4	73.9	28.5	
Vert	2390.000	PK	43.6	26.7	2.7	32.3	40.7	73.9	33.2	
Vert	2400.000	PK	58.9	26.7	2.7	32.3	56.0	73.9	18.0	
Vert	4804.000	PK	43.9	31.2	4.7	31.4	48.4	73.9	25.5	
Vert	7206.000	PK	43.7	35.6	5.6	31.9	53.0	73.9	20.9	
Vert	24020.000	PK	43.5	38.6	-1.1	32.5	48.5	73.9	25.4	
Vert	1144.017	AV	49.1	24.6	2.0	34.5	41.2	53.9	12.7	VBW=270Hz
Vert	2390.000	AV	28.4	26.7	2.7	32.3	25.5	53.9	28.4	VBW=270Hz
Vert	2400.000	AV	32.7	26.7	2.7	32.3	29.8	53.9	24.1	VBW=270Hz
Vert	4804.000	AV	37.2	31.2	4.7	31.4	41.7	53.9	12.2	VBW=270Hz
Vert	7206.000	AV	34.5	35.6	5.6	31.9	43.8	53.9	10.1	VBW=270Hz
Vert	24020.000	AV	30.8	38.6	-1.1	32.5	35.8	53.9	18.1	VBW=270Hz

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: $10GHz\text{-}26.5GHz \quad \ 20log(3.0m/1.0m) = \ 9.5dB$ 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

: +81 596 24 8116 Telephone Facsimile : +81 596 24 8124

Page : 29 of 40

Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Radiated Spurious Emission

Test place Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber

Report No. 29IE0011-HO-01

Date04/27/200905/02/2009Temperature/ Humidity22 deg.C./ 34%21 deg.C./ 40%EngineerHironobu OhnishiHironobu Ohnishi

(1-18GHz) (below 1GHz and above 18GHz)

No.3 Semi Anechoic Chamber

No. 4 Semi Anechoic Chamber

Mode Tx, DH5 2441MHz

Polarity	Frequency	Detector	Reading		Loss	Gain	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori	85.379	QP	51.3	7.1	7.9	32.0	34.3	40.0	5.7	
Hori	189.642	QP	33.8	16.2	8.9	32.0	26.9	43.5	16.6	
Hori	287.522	QP	41.8	19.5	9.7	31.9	39.1	46.0	6.9	
Hori	311.992	QP	43.7	16.5	9.9	31.9	38.2	46.0	7.8	
Hori	336.462	QP	42.5	16.9	10.1	32.0	37.5	46.0	8.5	
Hori	385.401	QP	36.5	17.6	10.4	32.0	32.5	46.0	13.5	
Hori	1144.017	PK	45.5	24.6	2.0	34.5	37.6	73.9	36.3	
Hori	4882.000	PK	44.8	31.3	4.6	31.4	49.3	73.9	24.6	
Hori	7323.000	PK	43.6	35.8	5.6	32.0	53.0	73.9	20.9	
Hori	9764.000	PK	41.7	38.4	6.6	32.7	54.0	73.9	19.9	
Hori	24410.000	PK	41.7	38.9	-1.1	32.3	47.2	73.9	26.7	
Hori	1144.017	AV	38.8	24.6	2.0	34.5	30.9	53.9	23.0	VBW=270Hz
Hori	4882.000	AV	39.2	31.3	4.6	31.4	43.7	53.9	10.2	VBW=270Hz
Hori	7323.000	AV	33.2	35.8	5.6	32.0	42.6	53.9	11.3	VBW=270Hz
Hori	9764.000	AV	29.7	38.4	6.6	32.7	42.0	53.9	11.9	VBW=270Hz
Hori	24410.000	AV	29.7	38.9	-1.1	32.3	35.2	53.9	18.7	VBW=270Hz
Vert	85.379	QP	45.3	7.1	7.9	32.0	28.3	40.0	11.7	
Vert	189.642	QP	24.4	16.2	8.9	32.0	17.5	43.5	26.0	
Vert	287.522	QP	33.0	19.5	9.7	31.9	30.3	46.0	15.7	
Vert	311.992	QP	32.5	16.5	9.9	31.9	27.0	46.0	19.0	
Vert	336.462	QP	32.5	16.9	10.1	32.0	27.5	46.0	18.5	
Vert	385.401	QP	32.9	17.6	10.4	32.0	28.9	46.0	17.1	
Vert	1144.017	PK	52.2	24.6	2.0	34.5	44.3	73.9	29.6	
Vert	4882.000	PK	46.0	31.3	4.6	31.4	50.5	73.9	23.4	
Vert	7323.000	PK	44.1	35.8	5.6	32.0	53.5	73.9	20.4	
Vert	9764.000	PK	42.1	38.4	6.6	32.7	54.4	73.9	19.5	
Vert	24410.000	PK	41.7	38.9	-1.1	32.3	47.2	73.9	26.7	
Vert	1144.017	AV	48.9	24.6	2.0	34.5	41.0	53.9	12.9	VBW=270Hz
Vert	4882.000	AV	40.8	31.3	4.6	31.4	45.3	53.9	8.6	VBW=270Hz
Vert	7323.000	AV	34.5	35.8	5.6	32.0	43.9	53.9	10.0	VBW=270Hz
Vert	9764.000	AV	30.1	38.4	6.6	32.7	42.4	53.9	11.5	VBW=270Hz
Vert	24410.000	AV	29.9	38.9	-1.1	32.3	35.4	53.9	18.5	VBW=270Hz

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

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.

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

Page : 30 of 40

Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Radiated Spurious Emission

Test place Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber

Report No. 29IE0011-HO-01

Date04/27/200905/02/2009Temperature/ Humidity22 deg.C./ 34%21 deg.C./ 40%EngineerHironobu OhnishiHironobu Ohnishi

(1-18GHz) (below 1GHz and above 18GHz)

No.3 Semi Anechoic Chamber

No. 4 Semi Anechoic Chamber

Mode Tx, DH5 2480MHz

Polarity	Frequency	Detector	Reading	Ant.Fac.	Loss	Gain	Result	Limit	Margin	Remark
	[MHz]		[dBuV]	[dB/m]	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	
Hori	85.379	QP	51.5	7.1	7.9	32.0	34.5	40.0	5.5	
Hori	189.642	QP	33.8	16.2	8.9	32.0	26.9	43.5	16.6	
Hori	287.522	QP	41.8	19.5	9.7	31.9	39.1	46.0	6.9	
Hori	311.992	QP	44.2	16.5	9.9	31.9	38.7	46.0	7.3	
Hori	336.462	QP	42.6	16.9	10.1	32.0	37.6	46.0	8.4	
Hori	385.401	QP	36.5	17.6	10.4	32.0	32.5	46.0	13.5	
Hori	1144.017	PK	46.0	24.6	2.0	34.5	38.1	73.9	35.8	
Hori	2483.500	PK	55.8	26.9	2.8	32.2	53.3	73.9	20.6	
Hori	4960.000	PK	46.6	31.5	4.6	31.4	51.3	73.9	22.6	
Hori	7440.000	PK	43.8	36.0	5.6	32.0	53.4	73.9	20.5	
Hori	9920.000	PK	43.1	38.5	6.8	32.7	55.7	73.9	18.2	
Hori	24800.000	PK	44.3	39.2	-1.0	32.2	50.3	73.9	23.6	
Hori	1144.017	AV	39.5	24.6	2.0	34.5	31.6	53.9	22.3	VBW=270Hz
Hori	2483.500	AV	30.4	26.9	2.8	32.2	27.9	53.9	26.0	VBW=270Hz
Hori	4960.000	AV	41.1	31.5	4.6	31.4	45.8	53.9	8.1	VBW=270Hz
Hori	7440.000	AV	32.8	36.0	5.6	32.0	42.4	53.9	11.5	VBW=270Hz
Hori	9920.000	AV	30.5	38.5	6.8	32.7	43.1	53.9	10.8	VBW=270Hz
Hori	24800.000	AV	32.2	39.2	-1.0	32.2	38.2	53.9	15.7	VBW=270Hz
Vert	85.379	QP	45.1	7.1	7.9	32.0	28.1	40.0	11.9	
Vert	189.642	QP	26.0	16.2	8.9	32.0	19.1	43.5	24.4	
Vert	287.522	QP	34.4	19.5	9.7	31.9	31.7	46.0	14.3	
Vert	311.992	QP	30.1	16.5	9.9	31.9	24.6	46.0	21.4	
Vert	336.462	QP	31.5	16.9	10.1	32.0	26.5	46.0	19.5	
Vert	385.401	QP	32.5	17.6	10.4	32.0	28.5	46.0	17.5	
Vert	1144.017	PK	53.8	24.6	2.0	34.5	45.9	73.9	28.0	
Vert	2483.500	PK	51.8	26.9	2.8	32.2	49.3	73.9	24.6	
Vert	4960.000	PK	49.1	31.5	4.6	31.4	53.8	73.9	20.1	
Vert	7440.000	PK	45.1	36.0	5.6	32.0	54.7	73.9	19.2	
Vert	9920.000	PK	43.7	38.5	6.8	32.7	56.3	73.9	17.6	
Vert	24800.000	PK	44.8	39.2	-1.0	32.2	50.8	73.9	23.1	
Vert	1144.017	AV	49.1	24.6	2.0	34.5	41.2	53.9	12.7	VBW=270Hz
Vert	2483.500	AV	29.6	26.9	2.8	32.2	27.1	53.9	26.8	VBW=270Hz
Vert	4960.000	AV	44.9	31.5	4.6	31.4	49.6	53.9	4.3	VBW=270Hz
Vert	7440.000	AV	34.5	36.0	5.6	32.0	44.1	53.9	9.8	VBW=270Hz
Vert	9920.000	AV	31.2	38.5	6.8	32.7	43.8	53.9	10.1	VBW=270Hz
Vert	24800.000	AV	32.0	39.2	-1.0	32.2	38.0	53.9	15.9	VBW=270Hz

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).

: 31 of 40 Page

Issued date : June 17, 2009 : XGP-BPAD06 FCC ID

Radiated Spurious Emission

Test place Head Office EMC Lab. No.3 and 4 Semi Anechoic Chamber

29IE0011-HO-01 Report No.

Date 04/27/2009 05/02/2009 Temperature/ Humidity 21 deg.C./ 40% 22 deg.C./ 34% Hironobu Ohnishi Hironobu Ohnishi Engineer (1-10GHz) (below 1GHz)

No.3 Semi Anechoic Chamber No. 4 Semi Anechoic Chamber

Mode Rx, 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	85.379	QP	48.3	7.1	7.9	32.0	31.3	40.0	8.7	
Hori	189.642	QP	34.1	16.2	8.9	32.0	27.2	43.5	16.3	
Hori	287.522	QP	41.7	19.5	9.7	31.9	39.0	46.0	7.0	
Hori	311.992	QP	43.7	16.5	9.9	31.9	38.2	46.0	7.8	
Hori	336.462	QP	42.8	16.9	10.1	32.0	37.8	46.0	8.2	
Hori	385.401	QP	36.6	17.6	10.4	32.0	32.6	46.0	13.4	
Hori	1144.017	PK	45.9	24.6	2.0	34.5	38.0	73.9	35.9	
Hori	2441.000	PK	40.7	26.8	2.8	32.3	38.0	73.9	35.9	No signal detect.
Hori	1144.017	AV	33.3	24.6	2.0	34.5	25.4	53.9	28.5	VBW=10Hz
Hori	2441.000	AV	27.5	26.8	2.8	32.3	24.8	53.9	29.1	VBW=10Hz, No signal detect.
Vert	85.379	QP	42.0	7.1	7.9	32.0	25.0	40.0	15.0	
Vert	189.642	QP	27.3	16.2	8.9	32.0	20.4	43.5	23.1	
Vert	287.522	QP	33.5	19.5	9.7	31.9	30.8	46.0	15.2	
Vert	311.992	QP	29.1	16.5	9.9	31.9	23.6	46.0	22.4	
Vert	336.462	QP	31.8	16.9	10.1	32.0	26.8	46.0	19.2	
Vert	385.401	QP	33.4	17.6	10.4	32.0	29.4	46.0	16.6	
Vert	1144.017	PK	53.0	24.6	2.0	34.5	45.1	73.9	28.8	
Vert	2441.000	PK	41.0	26.8	2.8	32.3	38.3	73.9	35.6	No signal detect.
Vert	1144.017	AV	37.2	24.6	2.0	34.5	29.3	53.9	24.6	VBW=10Hz
Vert	2441.000	AV	27.6	26.8	2.8	32.3	24.9	53.9	29.0	VBW=10Hz, No signal detect.

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). Distance factor: $10 GHz - 26.5 GHz \quad 20 log(3.0m/1.0m) = 9.5 dB$

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

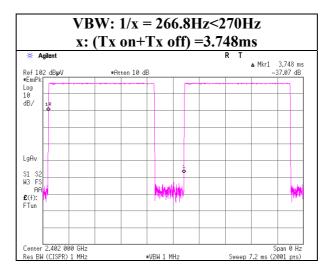
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116 : +81 596 24 8124 Facsimile

Page : 32 of 40 Issued date : June 17, 20

Issued date : June 17, 2009 FCC ID : XGP-BPAD06

VBW (AV) Calculation

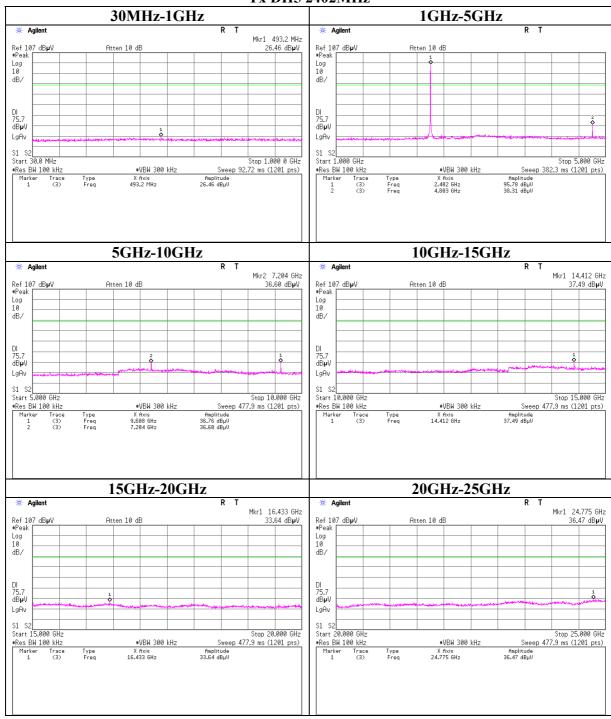


4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page : 33 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Spurious Emission

Tx DH5 2402MHz



UL Japan, Inc.

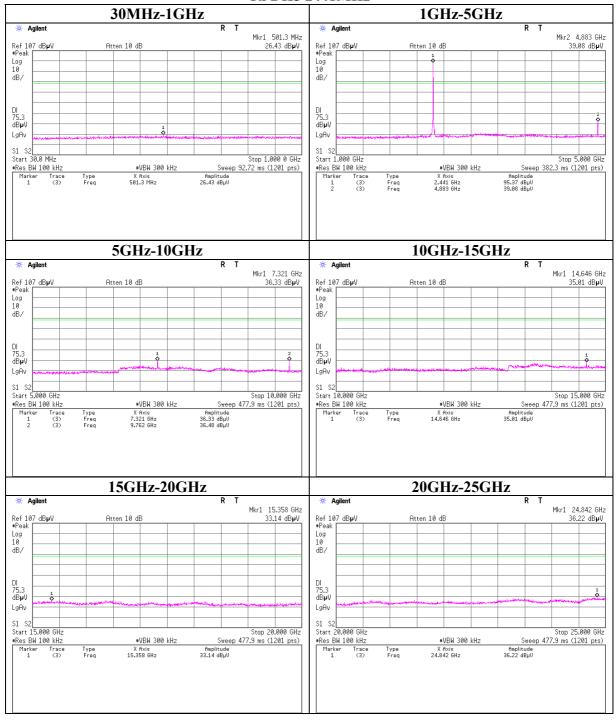
Head Office EMC Lab.

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

Page : 34 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Spurious Emission

Tx DH5 2441MHz



UL Japan, Inc.

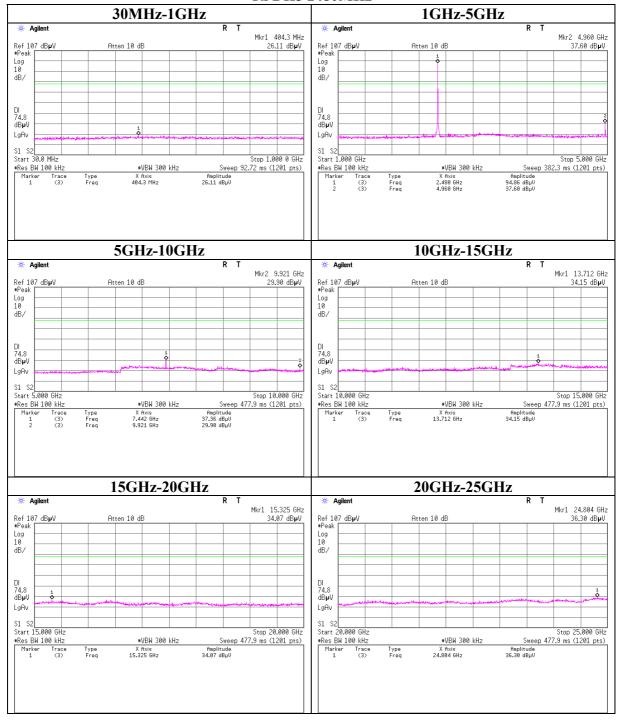
Head Office EMC Lab.

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

Page : 35 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Spurious Emission

Tx DH5 2480MHz



UL Japan, Inc.

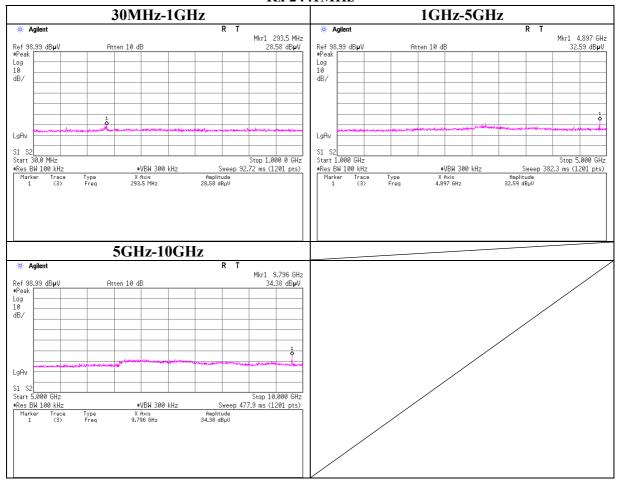
Head Office EMC Lab.

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

Page : 36 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Spurious Emission

Rx 2441MHz

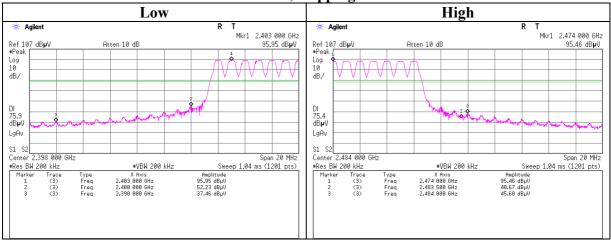


4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

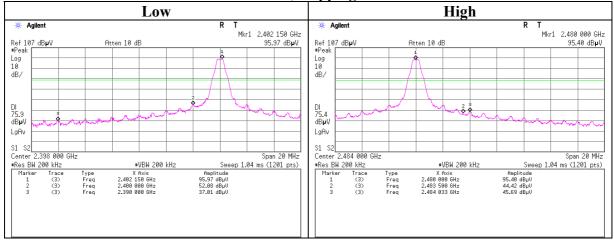
Page : 37 of 40 Issued date : June 17, 2009 FCC ID : XGP-BPAD06

Conducted Emission Band Edge compliance

Tx DH5, Hopping on



Tx DH5, Hopping off



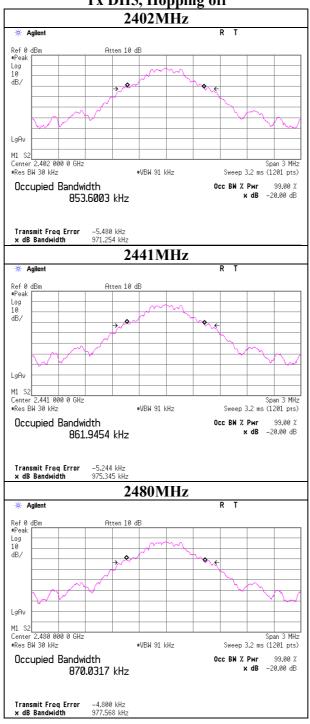
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page

: 38 of 40 Issued date : June 17, 2009 : XGP-BPAD06 FCC ID

99%Occupied Bandwidth





UL Japan, Inc. **Head Office EMC Lab.**

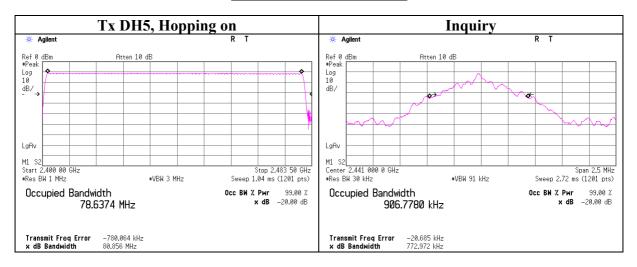
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Page Issued date

FCC ID

: 39 of 40 : June 17, 2009 : XGP-BPAD06

99% Occupied Bandwidth



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

: 40 of 40 Page Issued date : June 17, 2009 : XGP-BPAD06 FCC ID

APPENDIX 3: Test instruments EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MAEC-03	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	-
COTS-MEMI	EMI measurement program	TSJ	TEPTO-DV	-	RE/CE	-
MSA-03	Spectrum Analyzer	Agilent	E4448A	MY44020357	RE	2008/11/07 * 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
MCC-78	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	278993/4	RE	2008/12/17 * 12
MHF-19	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	602	RE	2008/12/16 * 12
MAEC-04	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	-
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	RE	2009/02/25 * 12
MCC-57	Microwave Cable 1G-26.5GHz 6m	Suhner	SUCOFLEX104	246769(1m) / 292411(5m)	RE	2008/11/05 * 12
MPA-12	MicroWave System Amplifier	Agilent	83017A	MY39500780	RE	2009/03/19 * 12
MHA-17	Horn Antenna 15-40GHz	Schwarzbeck	BBHA9170	BBHA9170307	RE	2009/04/30 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	160400285	RE/CE	2008/06/25 * 12
MTR-07	Test Receiver	Rohde & Schwarz	ESCI	100635	RE/CE	2008/10/03 * 12
MBA-05	Biconical Antenna	Schwarzbeck	BBA9106	1302	RE	2009/01/10 * 12
MLA-08	Logperiodic Antenna	Schwarzbeck	UKLP9140-A	N/A	RE	2009/01/10 * 12
MCC-50	Coaxial cable	UL Japan	-	1	RE	2009/03/18 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	BK7970	RE	2008/11/14 * 12
MPA-14	Pre Amplifier	SONOMA INSTRUMENT	310	260833	RE	2009/03/18 * 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-113	Coaxial cable	Fujikura/Suhner/TSJ	-	-	CE	2008/07/03 * 12
MOS-24	Thermo-Hygrometer	Custom	CTH-201	0005	AT	2009/02/04 * 12
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	AT	2009/02/25 * 12
MPM-13	Power Meter	Anritsu	ML2495A	0824014	AT	2008/08/13 * 12
MPSE-18	Power sensor	Anritsu	MA2411B	0738174	AT	2008/08/13 * 12
MAT-23	Attenuator(10dB) DC-18GHz	Orient Microwave	BX10-0476-00	-	AT	2009/03/24 * 12
MCC-66	Microwave Cable 1G-40GHz	Schner	SUCOFLEX102	28636/2	AT	2009/04/21 * 12
MCC-35	Microwave Cable	Hirose Electric	U.FL-2LP-066-A-(200)	-	AT	2008/11/18 * 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

UL Japan, Inc.

Head Office EMC Lab.

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