

APPENDIX 2: Data of EMI test

RF Output Power

Company	Sony Corporation	UL Japan, Inc.	
Equipment	UHF Synthesized Wireless Microphone	Head Office EMC Lab. No.2 and No.3 Semi Anechoic Chamber	
Model	UTX-H2(42)	Regulation	FCC 74.861(e)(1) / RSS-123 Section 6.2 FCC 2.1046
S/N	8062	Test Distance	3m
Power	DC 3.0V	Date	April 8, 2008 April 30, 2008
Mode	Continuous Transmitting, High / Low power	Temperature	23 deg.C. 25 deg.C.
EUT-axis	H: X-axis, V: Z-axis	Humidity	50 % 42 %
EUT Height	1.0m	Engineer	Takahiro Hatakeda Kazufumi Nakai (Radiated) (Conducted)

[Radiated Measurement]

High power

ch.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dB]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C	Remarks
		HOR	VER	HOR	VER				HOR	VER		HOR	VER			
M	650.125	116.0	112.0	26.4	24.5	1.5	2.2	10.1	14.9	13.0	23.9	9.0	10.9	Operating	No2	
H	661.875	115.4	111.6	26.0	24.4	1.5	2.2	10.1	14.5	12.9	23.9	9.4	11.0	Operating	No2	

Low power

ch.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dB]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C	Remarks
		HOR	VER	HOR	VER				HOR	VER		HOR	VER			
M	650.125	108.3	104.2	18.7	16.7	1.5	2.2	10.1	7.2	5.2	23.9	16.7	18.7	Operating	No2	
H	661.875	107.3	103.5	17.9	16.3	1.5	2.2	10.1	6.4	4.8	23.9	17.5	19.1	Operating	No2	

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

The carrier was measured at each position of all three axes X, Y and Z to compare the level, and the maximum carrier level.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz)

[Antenna Terminal Conducted Measurement]

High power

Channel	Frequency [MHz]	P/M Reading AV [dBm]	Cable loss [dB]	Atten loss [dB]	Result		Limit		Margin	
					[dBm]	[mW]	[dBm]	[mW]	[dB]	[mW]
L	638.125	4.52	0.57	9.93	15.02	31.77	23.97	250	8.95	218.23
M	650.125	4.40	0.57	9.93	14.90	30.90	23.97	250	9.07	219.10
H	661.875	4.05	0.58	9.93	14.56	28.58	23.97	250	9.41	221.42

Low power

Channel	Frequency [MHz]	P/M Reading AV [dBm]	Cable loss [dB]	Atten loss [dB]	Result		Limit		Margin	
					[dBm]	[mW]	[dBm]	[mW]	[dB]	[mW]
L	638.125	-3.05	0.57	9.93	7.45	5.56	23.97	250	16.52	244.44
M	650.125	-3.39	0.57	9.93	7.11	5.14	23.97	250	16.86	244.86
H	661.875	-3.78	0.58	9.93	6.73	4.71	23.97	250	17.24	245.29

Result = P/M Reading + Cable loss + Atten loss

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

UL Japan, Inc.

Head Office EMC Lab.

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Telephone : +81 596 24 8116

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Modulation Characteristics

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 638.125MHz,
High power

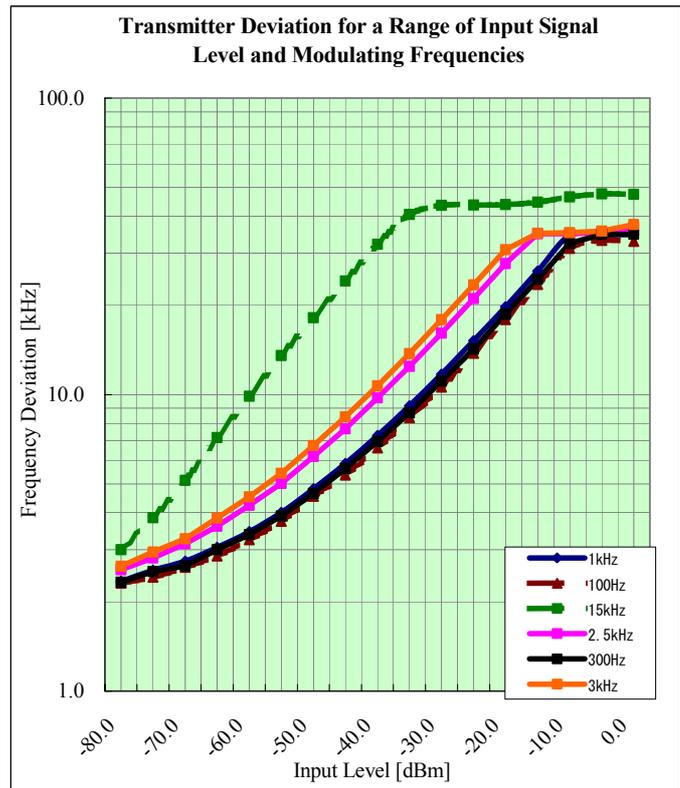
UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3) / RSS-123 Section 5.5
FCC 2.1047(b)
Test Distance -
Date April 9, 2008
Temperature 25 deg.C.
Humidity 43 %
Engineer Takumi Shimada

Input [dBV]	Deviation [kHz](PK)					
	100Hz	300Hz	1kHz	2.5kHz	3kHz	15kHz
-80.0	2.31	2.33	2.34	2.57	2.63	3.00
-75.0	2.42	2.53	2.56	2.81	2.94	3.84
-70.0	2.61	2.64	2.74	3.14	3.26	5.14
-65.0	2.86	3.00	3.05	3.60	3.83	7.16
-60.0	3.24	3.37	3.45	4.23	4.52	9.87
-55.0	3.74	3.90	4.00	5.02	5.42	13.55
-50.0	4.55	4.63	4.81	6.18	6.73	18.19
-45.0	5.36	5.63	5.85	7.67	8.41	24.16
-40.0	6.61	6.95	7.28	9.75	10.71	32.13
-35.0	8.35	8.67	9.16	12.45	13.75	40.56
-30.0	10.62	11.12	11.72	16.12	17.89	43.51
-25.0	13.79	14.24	15.19	21.09	23.46	43.62
-20.0	17.92	18.66	19.76	27.66	30.80	43.72
-15.0	23.53	24.46	26.10	34.87	34.97	44.57
-10.0	31.13	32.37	34.45	34.87	35.19	46.46
-5.0	33.13	34.66	34.55	35.19	35.61	47.52
0.0	32.87	34.76	34.76	36.56	37.50	47.41
5.0	33.29	35.50	36.03	38.35	38.87	46.78
10.0	45.09	50.05	44.15	40.14	40.46	46.25

* Input Frequency 100Hz, 300Hz, 1kHz, 2.5kHz, 3kHz, 15kHz
* Center frequency 638.125 MHz
* Measurement setting filter OFF

(Reference data) (for 50% and 85% modulation level)

Input [dBV]	Deviation [kHz](PK)	
	1kHz	2.5kHz
-26.00	14.52	20.01
-19.80	20.06	27.96
-16.30	24.33	34.03
-10.20	34.03	34.97



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Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 650.125MHz,
High power

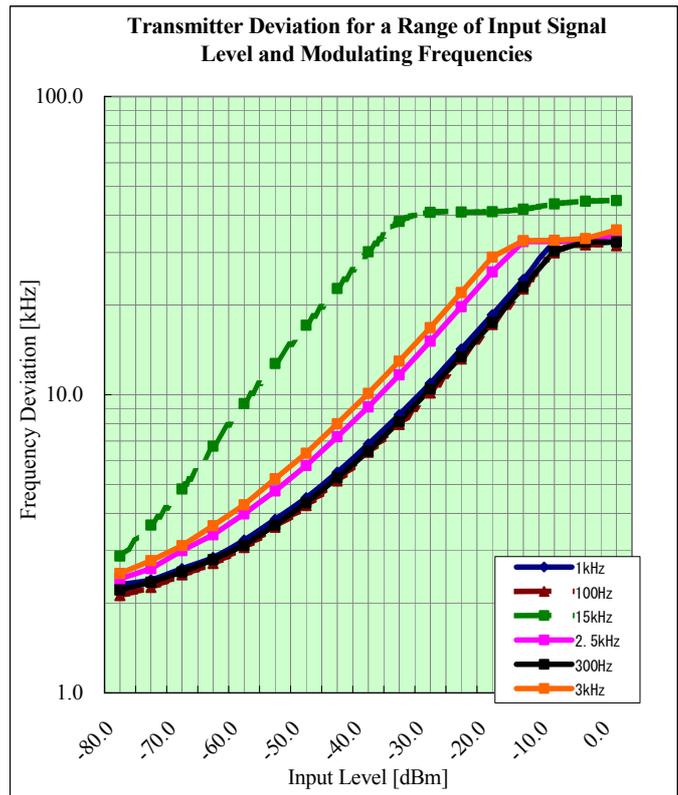
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Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3) / RSS-123 Section 5.5
FCC 2.1047(b)
Test Distance -
Date April 9, 2008
Temperature 25 deg.C.
Humidity 43 %
Engineer Takumi Shimada

Input [dBV]	Deviation [kHz](PK)					
	100Hz	300Hz	1kHz	2.5kHz	3kHz	15kHz
-80.0	2.12	2.21	2.31	2.41	2.51	2.88
-75.0	2.26	2.35	2.39	2.61	2.78	3.65
-70.0	2.49	2.54	2.61	3.00	3.12	4.82
-65.0	2.72	2.79	2.84	3.39	3.63	6.72
-60.0	3.08	3.12	3.25	3.98	4.27	9.33
-55.0	3.60	3.65	3.82	4.76	5.22	12.72
-50.0	4.25	4.34	4.52	5.78	6.36	17.12
-45.0	5.14	5.26	5.50	7.22	7.99	22.73
-40.0	6.41	6.47	6.82	9.09	10.11	30.16
-35.0	7.96	8.13	8.56	11.65	12.95	38.14
-30.0	10.15	10.45	10.92	15.12	16.79	40.88
-25.0	13.19	13.42	14.22	19.72	21.99	40.98
-20.0	17.19	17.46	18.52	25.83	28.96	41.09
-15.0	22.63	22.96	24.33	32.63	32.90	41.93
-10.0	29.96	30.36	32.13	32.65	32.93	43.62
-5.0	31.87	32.50	32.20	32.93	33.39	44.57
0.0	31.60	32.53	32.53	34.34	35.71	44.78
5.0	32.13	33.50	33.71	35.92	36.45	43.93
10.0	43.30	47.52	40.24	37.83	37.40	43.41

* Input Frequency 100Hz, 300Hz, 1kHz, 2.5kHz, 3kHz, 15kHz
* Center frequency 650.125 MHz
* Measurement setting filter OFF

(Reference data) (for 50% and 85% modulation level)

Input [dBV]	Deviation [kHz](PK)	
	1kHz	2.5kHz
-24.80	14.45	20.06
-18.60	20.02	28.03
-0.90	32.53	34.03
5.60	34.03	36.56



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Modulation Characteristics

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 661.875MHz,
High power

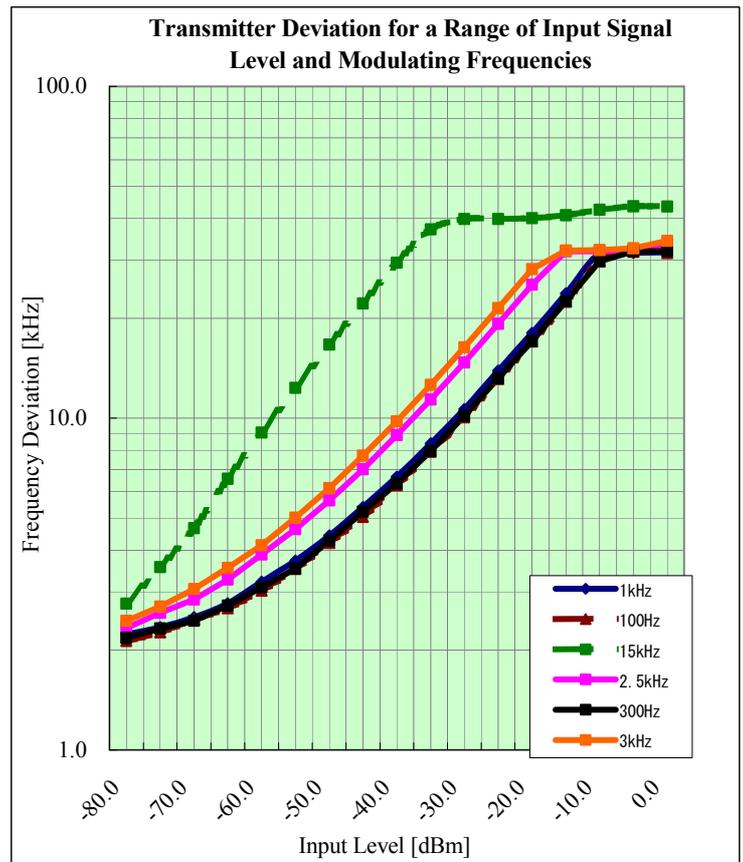
UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3) / RSS-123 Section 5.5
FCC 2.1047(b)
Test Distance -
Date April 9, 2008
Temperature 25 deg.C.
Humidity 43 %
Engineer Takumi Shimada

Input [dBV]	Deviation [kHz](PK)					
	100Hz	300Hz	1kHz	2.5kHz	3kHz	15kHz
-80.0	2.13	2.18	2.23	2.33	2.45	2.76
-75.0	2.26	2.32	2.34	2.59	2.70	3.56
-70.0	2.48	2.45	2.51	2.84	3.05	4.66
-65.0	2.68	2.72	2.76	3.26	3.54	6.57
-60.0	3.02	3.09	3.21	3.88	4.14	9.05
-55.0	3.52	3.52	3.72	4.63	5.01	12.35
-50.0	4.21	4.27	4.42	5.65	6.15	16.65
-45.0	5.04	5.22	5.39	7.01	7.71	22.16
-40.0	6.28	6.36	6.66	8.89	9.78	29.43
-35.0	7.92	7.96	8.39	11.38	12.59	37.08
-30.0	10.07	10.15	10.64	14.72	16.35	39.82
-25.0	13.12	13.19	13.89	19.26	21.46	39.82
-20.0	17.02	17.05	18.06	25.23	28.13	40.03
-15.0	22.46	22.53	23.76	31.83	32.00	40.88
-10.0	29.73	29.73	31.33	31.86	32.10	42.46
-5.0	31.73	31.83	31.50	32.00	32.50	43.51
0.0	31.47	31.87	31.62	33.39	34.24	43.41
5.0	31.83	32.57	32.80	34.97	35.50	42.77
10.0	42.77	45.94	40.24	36.77	36.66	42.25

* Input Frequency 100Hz, 300Hz, 1kHz, 2.5kHz, 3kHz, 15kHz
* Center frequency 661.875 MHz
* Measurement setting filter OFF

(Reference data) (for 50% and 85% modulation level)

Input [dBV]	Deviation [kHz](PK)	
	1kHz	2.5kHz
-24.20	14.45	20.02
-18.00	20.09	28.13
1.50	31.87	34.03
7.30	34.03	35.42



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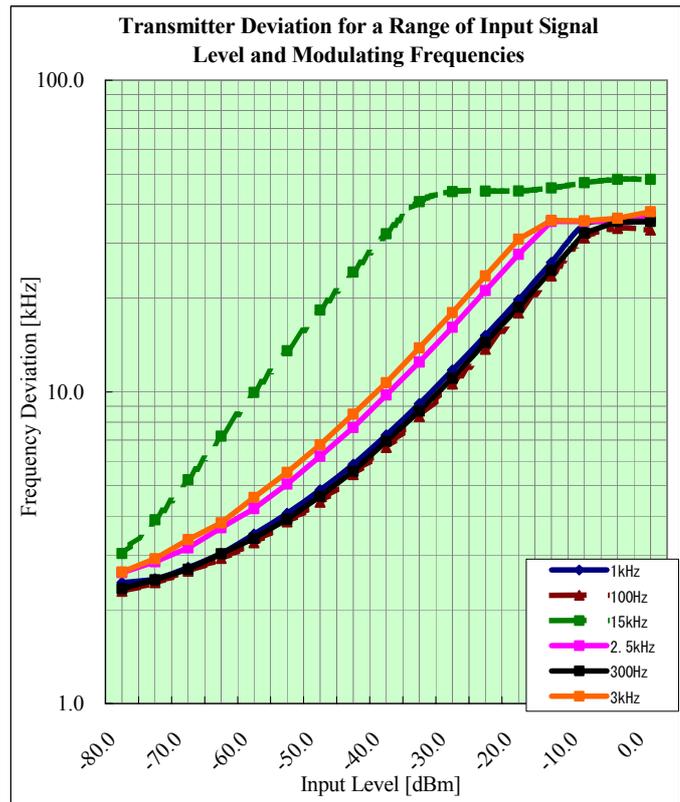
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FCC 2.1047(b)
Test Distance -
Date April 9, 2008
Temperature 25 deg.C.
Humidity 43 %
Engineer Takumi Shimada

Input [dBV]	Deviation [kHz](PK)					
	100Hz	300Hz	1kHz	2.5kHz	3kHz	15kHz
-80.0	2.29	2.34	2.44	2.63	2.64	3.03
-75.0	2.45	2.49	2.51	2.85	2.91	3.88
-70.0	2.66	2.69	2.73	3.16	3.36	5.22
-65.0	2.92	3.02	3.03	3.66	3.80	7.21
-60.0	3.28	3.39	3.49	4.22	4.58	9.95
-55.0	3.83	3.91	4.07	5.06	5.52	13.55
-50.0	4.43	4.62	4.84	6.21	6.76	18.29
-45.0	5.43	5.56	5.85	7.69	8.49	24.23
-40.0	6.63	6.95	7.27	9.77	10.71	32.17
-35.0	8.33	8.68	9.16	12.45	13.82	40.77
-30.0	10.60	11.05	11.75	16.12	17.95	43.93
-25.0	13.72	14.39	15.15	21.12	23.56	44.04
-20.0	17.92	18.66	19.72	27.63	30.86	44.14
-15.0	23.53	24.53	25.99	35.19	35.50	45.09
-10.0	31.20	32.33	34.34	35.18	35.40	46.89
-5.0	33.50	35.18	34.97	35.40	36.03	48.05
0.0	33.08	35.18	35.19	36.98	37.83	48.05
5.0	33.50	35.82	36.34	38.77	39.30	47.31
10.0	44.14	50.58	44.25	40.56	40.03	46.78

* Input Frequency 100Hz, 300Hz, 1kHz, 2.5kHz, 3kHz, 15kHz
* Center frequency 638.125 MHz
* Measurement setting filter OFF

(Reference data) (for 50% and 85% modulation level)

Input [dBV]	Deviation [kHz](PK)	
	1kHz	2.5kHz
-26.00	14.49	20.02
-19.80	20.01	27.9
-16.30	24.26	34.03
-10.20	34.03	35.18



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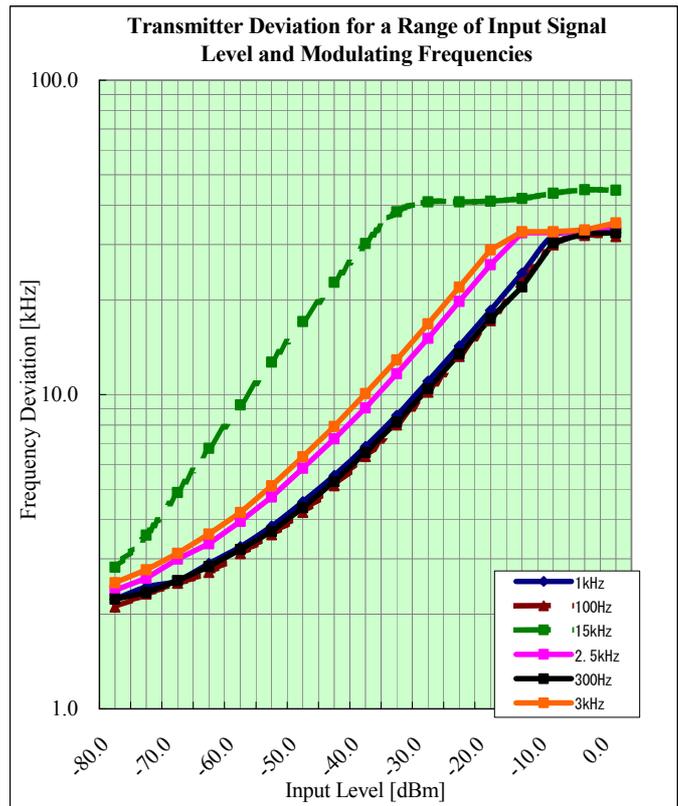
UL Japan, Inc.
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Temperature 25 deg.C.
Humidity 43 %
Engineer Takumi Shimada

Input [dBV]	Deviation [kHz](PK)					
	100Hz	300Hz	1kHz	2.5kHz	3kHz	15kHz
-80.0	2.11	2.23	2.23	2.38	2.52	2.82
-75.0	2.32	2.34	2.44	2.61	2.77	3.57
-70.0	2.51	2.55	2.55	2.99	3.12	4.87
-65.0	2.72	2.84	2.90	3.35	3.60	6.74
-60.0	3.12	3.21	3.28	3.95	4.21	9.27
-55.0	3.58	3.66	3.81	4.72	5.12	12.67
-50.0	4.22	4.36	4.56	5.82	6.34	17.05
-45.0	5.13	5.29	5.52	7.22	7.92	22.73
-40.0	6.35	6.53	6.82	9.06	10.06	30.20
-35.0	8.00	8.17	8.58	11.65	12.88	38.14
-30.0	10.16	10.42	11.02	15.09	16.79	40.98
-25.0	13.22	13.45	14.25	19.76	21.96	40.98
-20.0	17.19	17.45	18.52	25.86	28.80	41.19
-15.0	22.76	21.99	24.33	32.66	32.97	42.04
-10.0	29.96	30.36	32.00	32.70	32.93	43.72
-5.0	32.10	32.57	32.40	32.93	33.39	44.78
0.0	31.83	32.67	32.73	34.34	35.18	44.67
5.0	32.13	33.50	33.71	36.13	36.55	44.04
10.0	42.77	47.20	42.14	37.71	37.71	43.51

* Input Frequency 100Hz, 300Hz, 1kHz, 2.5kHz, 3kHz, 15kHz
* Center frequency 650.125 MHz
* Measurement setting filter OFF

(Reference data) (for 50% and 85% modulation level)

Input [dBV]	Deviation [kHz](PK)	
	1kHz	2.5kHz
-24.70	14.49	20.02
-18.50	20.02	28.09
-0.60	32.56	34.02
5.40	34.02	36.13



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Low power

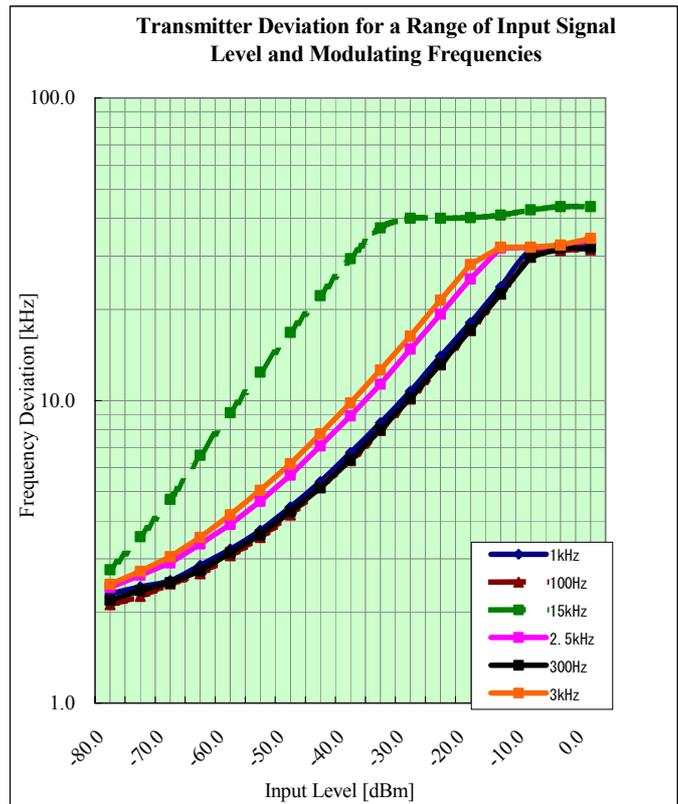
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FCC 2.1047(b)
Test Distance -
Date April 9, 2008
Temperature 25 deg.C.
Humidity 43 %
Engineer Takumi Shimada

Input [dBV]	Deviation [kHz](PK)					
	100Hz	300Hz	1kHz	2.5kHz	3kHz	15kHz
-80.0	2.11	2.19	2.29	2.41	2.47	2.76
-75.0	2.25	2.35	2.42	2.64	2.73	3.55
-70.0	2.48	2.50	2.54	2.90	3.04	4.72
-65.0	2.68	2.74	2.85	3.36	3.53	6.59
-60.0	3.07	3.13	3.22	3.90	4.19	9.12
-55.0	3.53	3.60	3.72	4.64	5.05	12.42
-50.0	4.19	4.30	4.44	5.67	6.18	16.79
-45.0	5.19	5.14	5.39	7.08	7.75	22.19
-40.0	6.33	6.36	6.72	8.89	9.81	29.43
-35.0	7.96	8.00	8.42	11.32	12.62	37.19
-30.0	10.12	10.19	10.73	14.79	16.32	40.03
-25.0	13.12	13.19	13.99	19.29	21.46	40.03
-20.0	17.05	17.12	18.06	25.23	28.13	40.24
-15.0	22.46	22.49	23.73	31.93	32.13	40.98
-10.0	29.73	29.80	31.33	32.06	32.13	42.67
-5.0	31.36	31.93	31.66	32.20	32.60	43.72
0.0	31.50	32.03	31.73	33.50	34.34	43.72
5.0	31.86	32.67	32.83	35.18	35.61	42.99
10.0	42.77	45.94	40.98	36.66	36.77	42.46

* Input Frequency 100Hz, 300Hz, 1kHz, 2.5kHz, 3kHz, 15kHz
* Center frequency 661.875 MHz
* Measurement setting filter OFF

(Reference data) (for 50% and 85% modulation level)

Input [dBV]	Deviation [kHz](PK)	
	1kHz	2.5kHz
-24.30	14.39	20.02
-18.10	20.02	28.01
1.10	31.86	34.03
7.30	34.03	35.71



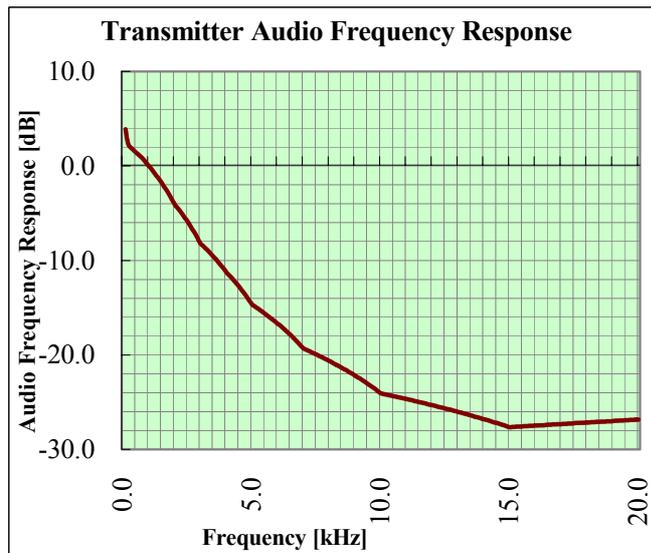
Audio Frequency Response

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
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S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 638.125MHz,
High power

UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3),
FCC 2.1047(a)
Test Distance -
Date April 10, 2008
Temperature 23 deg.C.
Humidity 51 %
Engineer Takahiro Hatakeda

Transmitting 638.125MHz, High power

Frequency [kHz]	50% Modulation Input level [mV]	Audio Response [dB]
0.1	131.4700	3.8806
0.2	110.2600	2.3524
0.3	105.3300	1.9551
0.5	99.3700	1.4492
0.7	93.9700	0.9639
1.0	84.1000	0.0000
2.0	52.7400	-4.0531
3.0	32.8200	-8.1731
4.0	23.1100	-11.2199
5.0	15.5500	-14.6613
7.0	9.0900	-19.3246
10.0	5.2700	-24.0597
15.0	3.4900	-27.6394
20.0	3.8300	-26.8319



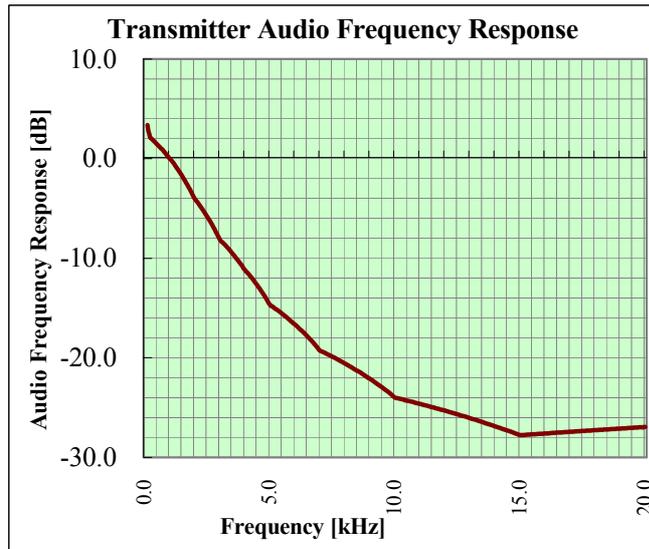
Audio Frequency Response

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 650.125MHz,
High power

UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3),
FCC 2.1047(a)
Test Distance -
Date April 10, 2008
Temperature 23 deg.C.
Humidity 51 %
Engineer Takahiro Hatakeda

Transmitting 650.125MHz, High power

Frequency [kHz]	50% Modulation Input level [mV]	Audio Response [dB]
0.1	140.9700	3.3444
0.2	123.5500	2.1987
0.3	119.4600	1.9063
0.5	112.8300	1.4103
0.7	106.5400	0.9121
1.0	95.9200	0.0000
2.0	60.1900	-4.0477
3.0	37.6200	-8.1298
4.0	26.4900	-11.1765
5.0	17.7200	-14.6689
7.0	10.4300	-19.2725
10.0	6.0500	-24.0031
15.0	3.9200	-27.7725
20.0	4.3100	-26.9486



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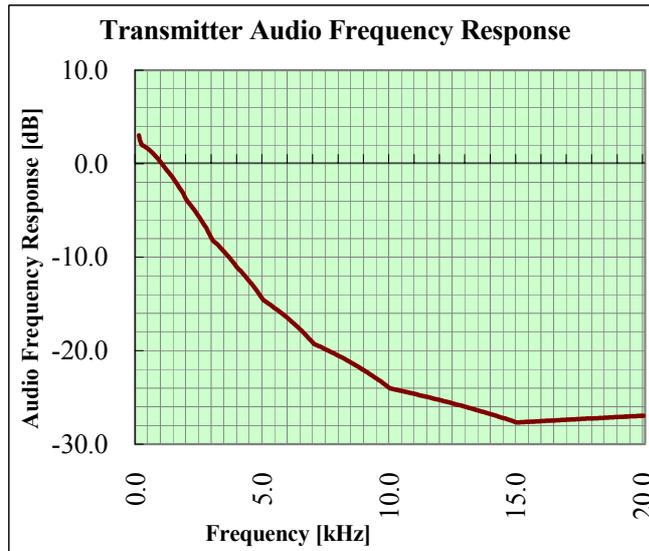
Audio Frequency Response

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 661.875MHz,
High power

UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3),
FCC 2.1047(a)
Test Distance -
Date April 10, 2008
Temperature 23 deg.C.
Humidity 51 %
Engineer Takahiro Hatakeda

Transmitting 661.875MHz, High power

Frequency [kHz]	50% Modulation Input level [mV]	Audio Response [dB]
0.1	142.5900	3.0350
0.2	127.9000	2.0906
0.3	125.1100	1.8991
0.5	119.5500	1.5042
0.7	112.8700	1.0048
1.0	100.5400	0.0000
2.0	63.9000	-3.9368
3.0	39.4300	-8.1302
4.0	27.7800	-11.1721
5.0	18.7900	-14.5682
7.0	10.9300	-19.2744
10.0	6.3200	-24.0324
15.0	4.1500	-27.6858
20.0	4.5100	-26.9632



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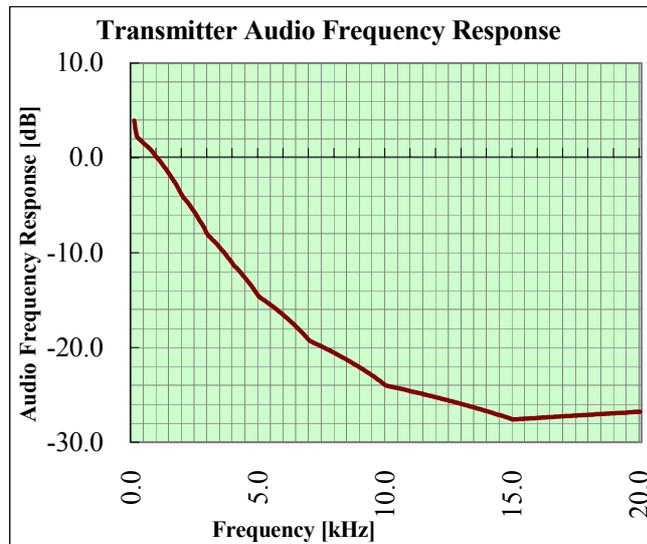
Audio Frequency Response

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 638.125MHz,
Low power

UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3),
FCC 2.1047(a)
Test Distance -
Date April 10, 2008
Temperature 23 deg.C.
Humidity 51 %
Engineer Takahiro Hatakeda

Transmitting 638.125MHz, Low power

Frequency [kHz]	50% Modulation Input level [mV]	Audio Response [dB]
0.1	130.0000	3.9204
0.2	108.6000	2.3581
0.3	104.0300	1.9847
0.5	98.2300	1.4864
0.7	92.8000	0.9925
1.0	82.7800	0.0000
2.0	52.0500	-4.0301
3.0	32.4200	-8.1422
4.0	22.6200	-11.2687
5.0	15.3500	-14.6363
7.0	8.9600	-19.3123
10.0	5.2100	-24.0218
15.0	3.4500	-27.6021
20.0	3.7900	-26.7857



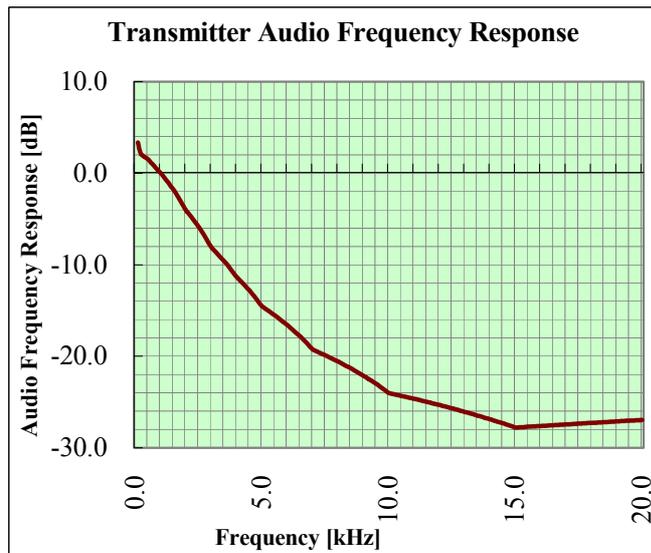
Audio Frequency Response

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 650.125MHz,
Low power

UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3),
FCC 2.1047(a)
Test Distance -
Date April 10, 2008
Temperature 23 deg.C.
Humidity 51 %
Engineer Takahiro Hatakeda

Transmitting 650.125MHz, Low power

Frequency [kHz]	50% Modulation Input level [mV]	Audio Response [dB]
0.1	139.3700	3.3381
0.2	122.2400	2.1989
0.3	118.0800	1.8982
0.5	112.8300	1.5032
0.7	105.2700	0.9008
1.0	94.9000	0.0000
2.0	59.2700	-4.0886
3.0	37.1600	-8.1438
4.0	25.6300	-11.3704
5.0	17.7200	-14.5760
7.0	10.3100	-19.2802
10.0	5.9800	-24.0113
15.0	3.8700	-27.7911
20.0	4.2600	-26.9571



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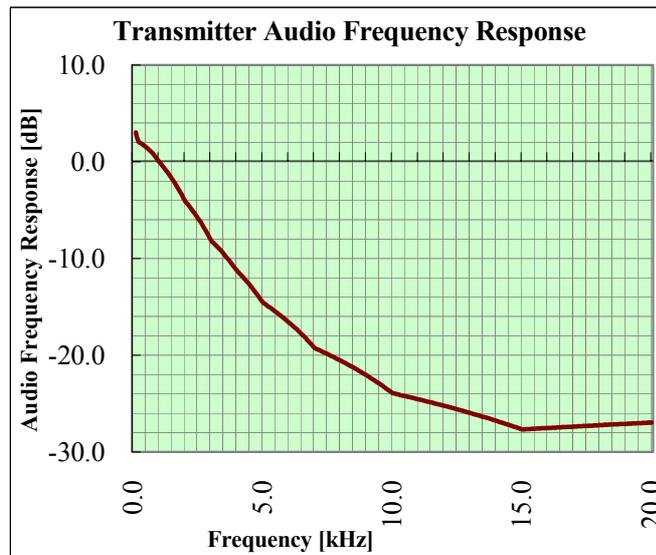
Audio Frequency Response

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V (Battery)
Mode Continuous Transmitting 661.875MHz,
Low power

UL Japan, Inc.
Head Office EMC Lab. No.2 shielded room
Regulation FCC 74.861(e)(3),
FCC 2.1047(a)
Test Distance -
Date April 10, 2008
Temperature 23 deg.C.
Humidity 51 %
Engineer Takahiro Hatakeda

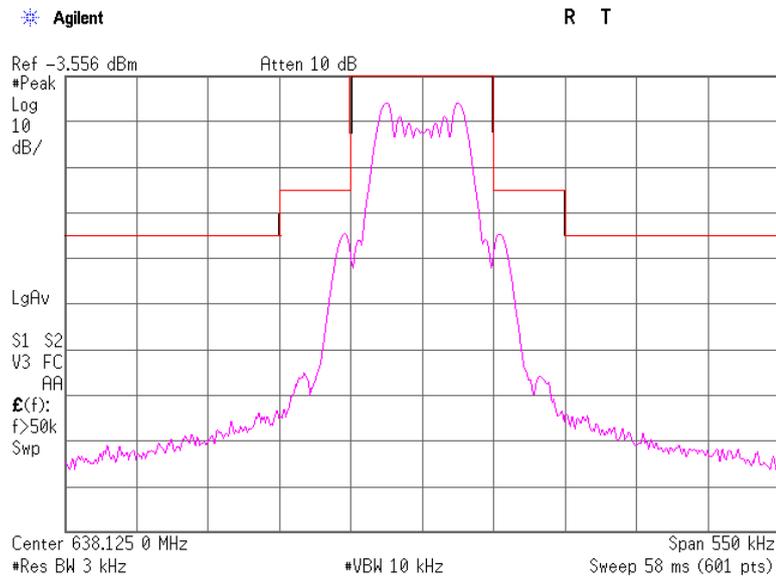
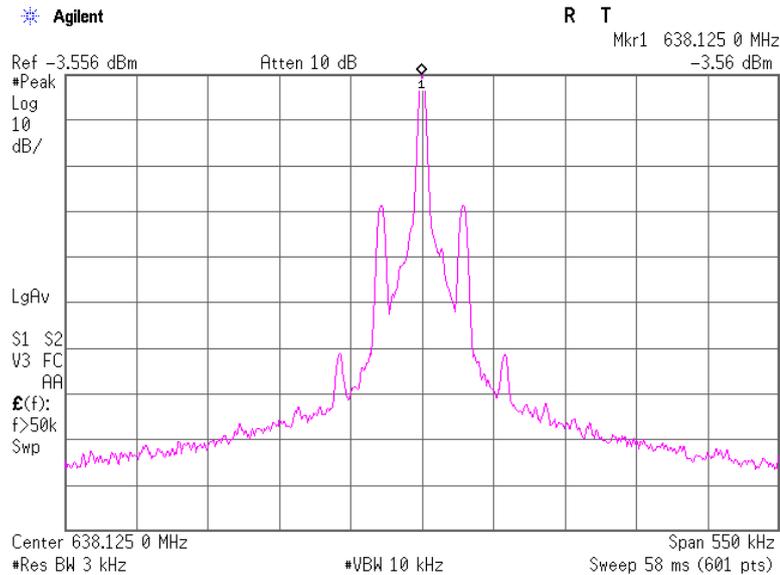
Transmitting 661.875MHz, Low power

Frequency [kHz]	50% Modulation Input level [mV]	Audio Response [dB]
0.1	140.9700	3.0418
0.2	126.3800	2.0928
0.3	123.6900	1.9060
0.5	118.0400	1.4998
0.7	111.6000	1.0125
1.0	99.3200	0.0000
2.0	62.3000	-4.0510
3.0	38.9700	-8.1261
4.0	27.1400	-11.2685
5.0	18.5700	-14.5645
7.0	10.8000	-19.2723
10.0	6.3200	-23.9264
15.0	4.1100	-27.6639
20.0	4.4600	-26.9540



Emission Bandwidth

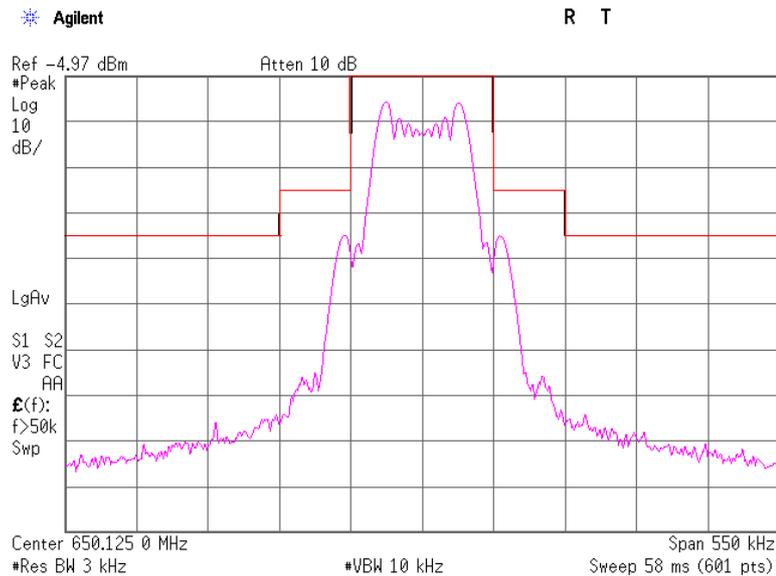
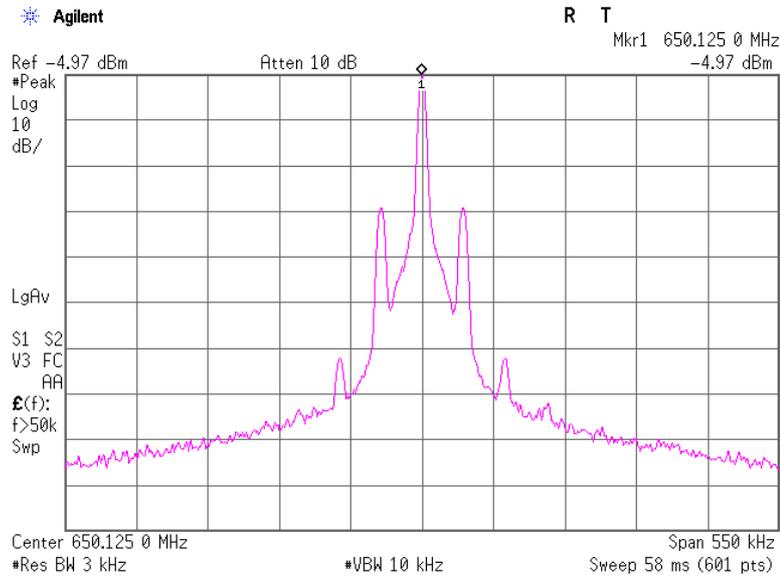
	UL Japan, Inc.	
	Head Office EMC Lab. No.2 shielded room	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1049
S/N	8062	Test Distance
Power	DC 3.0V (Battery)	-
Mode	Continuous Transmitting 638.125MHz,	Date
Input audio	High power	April 10, 2008
	-16.3dBV (85% modulation level)	Temperature
		23 deg.C.
		Humidity
		51 %
		Engineer
		Takahiro Hatakeda



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Emission Bandwidth

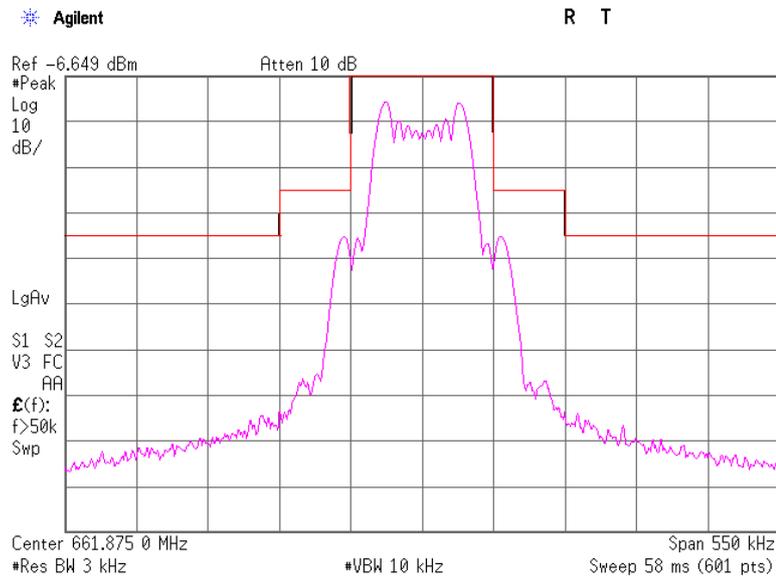
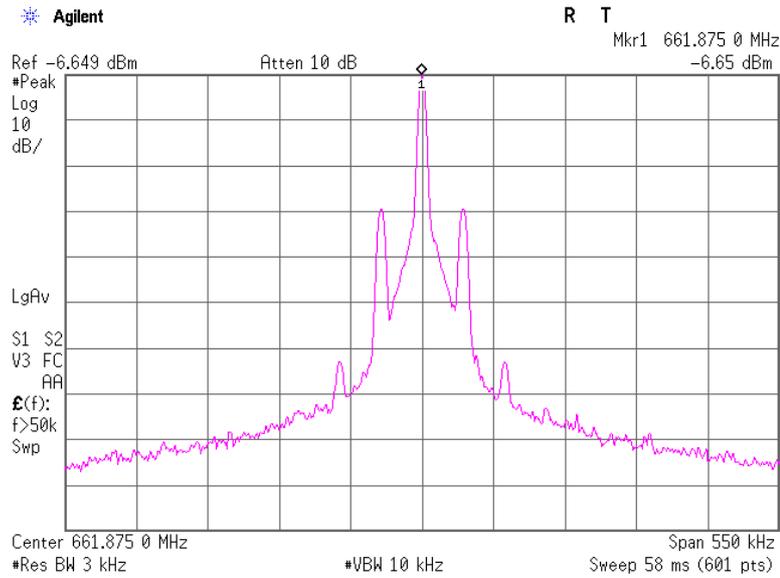
	UL Japan, Inc.	
	Head Office EMC Lab. No.2 shielded room	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1049
S/N	8062	Test Distance
Power	DC 3.0V (Battery)	-
Mode	Continuous Transmitting 650.125MHz,	Date
	High power	April 10, 2008
		Temperature
		23 deg.C.
		Humidity
		51 %
Input audio	-0.9dBV (85% modulation level)	Engineer
		Takahiro Hatakeda



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Emission Bandwidth

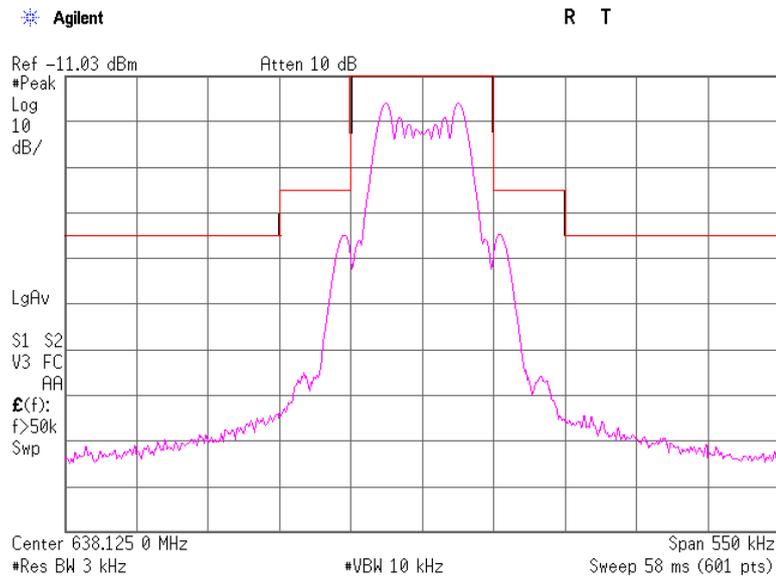
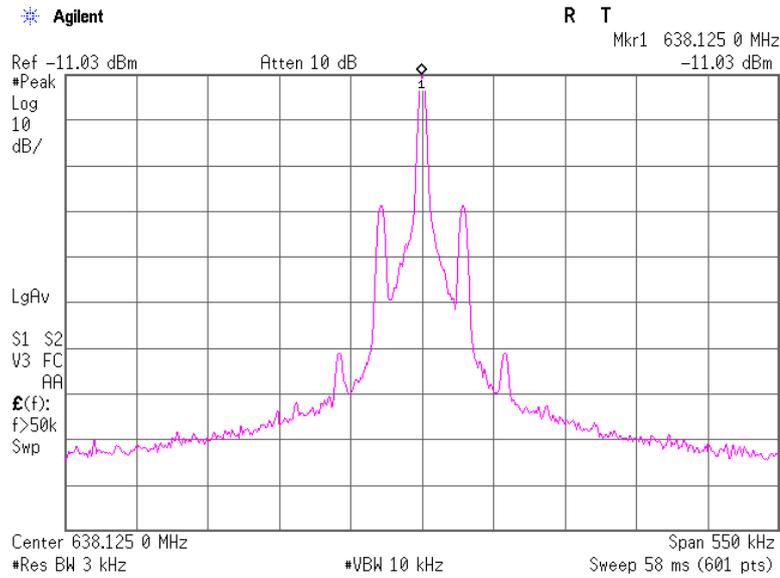
	UL Japan, Inc.	
	Head Office EMC Lab. No.2 shielded room	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1049
S/N	8062	Test Distance
Power	DC 3.0V (Battery)	Date
Mode	Continuous Transmitting 661.875MHz,	Temperature
	High power	Humidity
Input audio	1.5dBV (85% modulation level)	Engineer
		Takahiro Hatakeda



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Emission Bandwidth

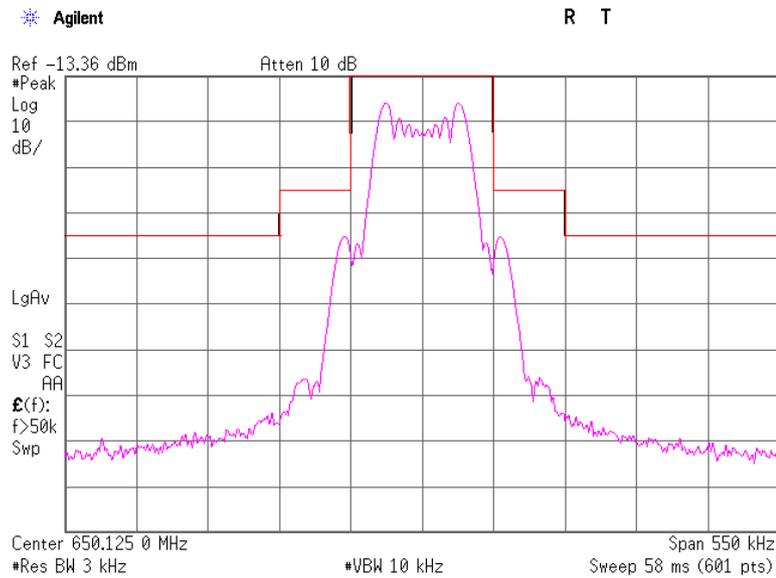
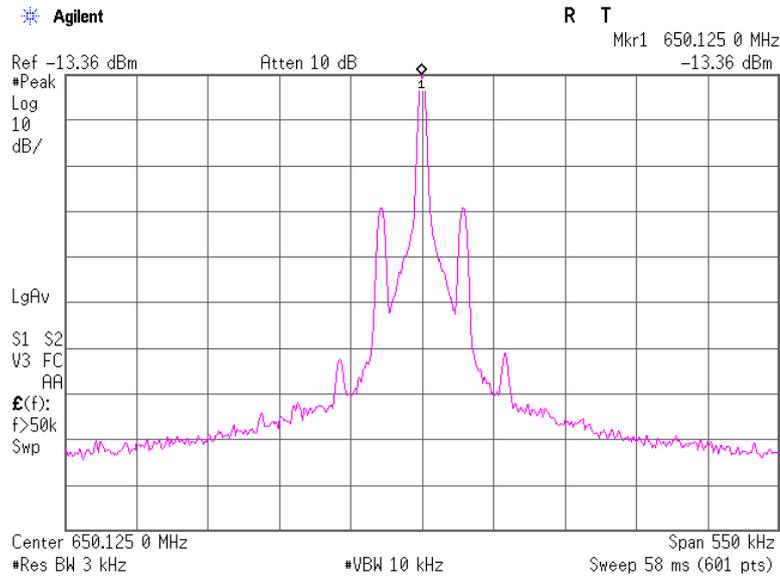
	UL Japan, Inc.	
	Head Office EMC Lab. No.2 shielded room	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1049
S/N	8062	Test Distance
Power	DC 3.0V (Battery)	Date
Mode	Continuous Transmitting 638.125MHz,	Temperature
	Low power	Humidity
Input audio	-16.3dBV (85% modulation level)	Engineer
		Takahiro Hatakeda



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Emission Bandwidth

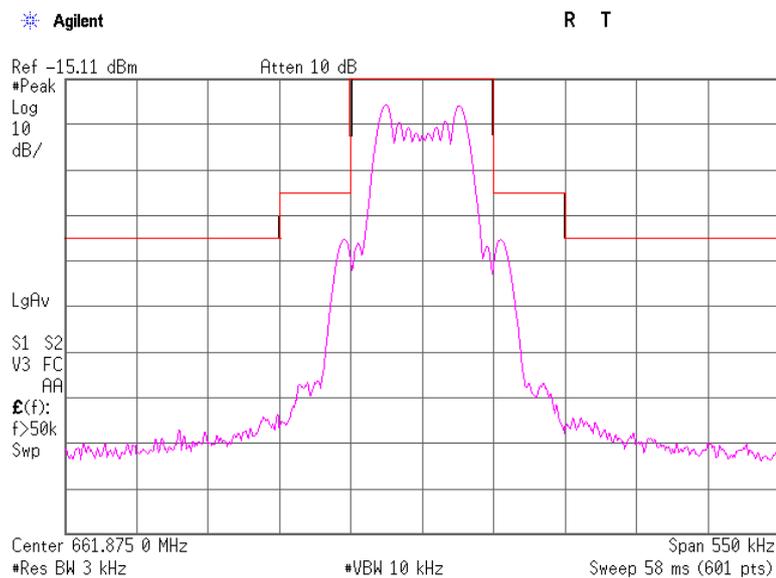
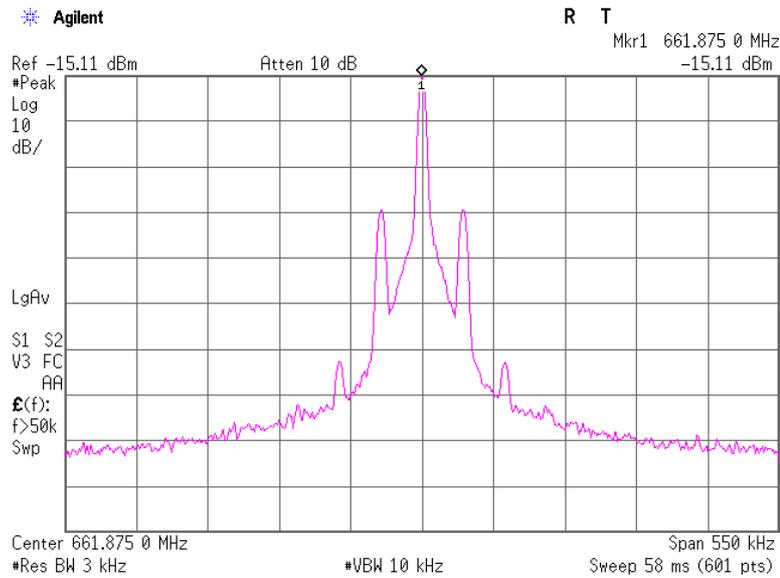
	UL Japan, Inc.	
	Head Office EMC Lab. No.2 shielded room	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1049
S/N	8062	Test Distance
Power	DC 3.0V (Battery)	-
Mode	Continuous Transmitting 650.125MHz,	Date
	Low power	April 10, 2008
Input audio	-0.6dBV (85% modulation level)	Temperature
		23 deg.C.
		Humidity
		51 %
		Engineer
		Takahiro Hatakeda



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Emission Bandwidth

	UL Japan, Inc.	
	Head Office EMC Lab. No.2 shielded room	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1049
S/N	8062	Test Distance
Power	DC 3.0V (Battery)	Date
Mode	Continuous Transmitting 661.875MHz,	Temperature
	Low power	Humidity
Input audio	1.1dBV (85% modulation level)	Engineer
		Takahiro Hatakeda



Spurious Emissions (Radiated) (Transmitting)

		UL Japan, Inc.
Company	Sony Corporation	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Equipment	UHF Synthesized Wireless Microphone	Regulation FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1053
S/N	8062	Test Distance 3m
Power	DC 3.0V	Date April 8, 2008
Mode	Continuous Transmitting 638.125MHz, High power	Temperature 23 deg.C.
EUT-axis	H: X-axis, V: Z-axis	Humidity 50 %
EUT Height	1.0m	Engineer Takahiro Hatakeda

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
		1	40.00	6.8	6.7				-48.1	-59.0		0.3	-24.6		
2	1276.25	40.0	33.4	-60.3	-67.5	3.1	6.7	0.0	-58.9	-66.1	-13.0	45.9	53.1	Operating	No2
3	1914.38	43.3	46.4	-58.5	-55.6	3.8	9.9	0.0	-54.6	-51.7	-13.0	41.6	38.7	Operating	No2
4	2552.50	46.3	42.6	-56.7	-59.7	4.5	10.9	0.0	-52.5	-55.4	-13.0	39.5	42.4	Operating	No2
5	3190.63	43.6	42.1	-58.7	-60.5	5.0	11.7	0.0	-54.2	-56.0	-13.0	41.2	43.0	Operating	No2
6	3828.75	46.0	43.1	-56.8	-59.1	5.4	12.7	0.0	-51.6	-53.9	-13.0	38.6	40.9	Operating	No2
7	4466.88	49.3	48.8	-52.9	-53.8	5.9	12.9	0.0	-48.0	-48.8	-13.0	35.0	35.8	Operating	No2
8	5105.00	41.7	42.4	-59.7	-60.5	6.3	12.9	0.0	-55.3	-56.1	-13.0	42.3	43.1	Operating	No2
9	5743.13	44.5	43.4	-56.8	-58.4	6.8	13.4	0.0	-52.4	-54.0	-13.0	39.4	41.0	Operating	No2
10	6381.25	60.4	57.1	-40.5	-44.2	7.3	12.8	0.0	-37.1	-40.8	-13.0	24.1	27.8	Operating	No2

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:10Hz)

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Spurious Emissions (Radiated) (Transmitting)

	UL Japan, Inc.	
	Head Office EMC Lab. No.2 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1053
S/N	8062	Test Distance
Power	DC 3.0V	3m
Mode	Continuous Transmitting 650.125MHz, High power	Date
EUT-axis	H: X-axis, V: Z-axis	April 8, 2008
EUT Height	1.0m	Temperature
		23 deg.C.
		Humidity
		50 %
		Engineer
		Takahiro Hatakeda

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx	Tx	Tx Ant.	RESULT (ERP) [dBm]		LIMIT	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER	Cable Loss [dB]	Ant. Gain [dB]	ATT. Loss [dB]	HOR	VER	[dBm] (ERP)	HOR	VER		
1	40.00	6.8	6.9	-48.1	-58.8	0.3	-24.6	10.4	-85.5	-96.2	-13.0	72.5	83.2	Operating	No2
2	1300.25	47.2	40.4	-53.2	-60.6	3.1	6.8	0.0	-51.7	-59.1	-13.0	38.7	46.1	Operating	No2
3	1950.38	43.3	43.0	-58.6	-59.0	3.9	10.0	0.0	-54.6	-55.0	-13.0	41.6	42.0	Operating	No2
4	2600.50	41.2	42.0	-61.7	-60.3	4.5	10.9	0.0	-57.5	-56.1	-13.0	44.5	43.1	Operating	No2
5	3250.63	43.2	46.7	-59.1	-55.8	5.1	11.8	0.0	-54.5	-51.3	-13.0	41.5	38.3	Operating	No2
6	3900.75	51.4	48.7	-51.4	-53.5	5.4	12.9	0.0	-46.1	-48.2	-13.0	33.1	35.2	Operating	No2
7	4550.88	49.7	47.3	-52.4	-55.4	5.9	12.9	0.0	-47.5	-50.5	-13.0	34.5	37.5	Operating	No2
8	5201.00	40.9	42.5	-60.5	-60.3	6.4	13.0	0.0	-56.0	-55.9	-13.0	43.0	42.9	Operating	No2
9	5851.13	51.1	50.5	-50.1	-51.1	6.9	13.4	0.0	-45.8	-46.7	-13.0	32.8	33.7	Operating	No2
10	6501.25	55.4	53.8	-45.4	-47.4	7.4	12.6	0.0	-42.4	-44.4	-13.0	29.4	31.4	Operating	No2

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:10Hz)

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Spurious Emissions (Radiated) (Transmitting)

		UL Japan, Inc.
Company	Sony Corporation	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Equipment	UHF Synthesized Wireless Microphone	Regulation
Model	UTX-H2(42)	FCC 74.861(e)(6) / RSS-123 Section 6.3
S/N	8062	FCC 2.1053
Power	DC 3.0V	Test Distance
Mode	Continuous Transmitting 661.875MHz,	3m
	High power	Date
EUT-axis	H: X-axis, V: Z-axis	April 8, 2008
EUT Height	1.0m	Temperature
		23 deg.C.
		Humidity
		50 %
		Engineer
		Takahiro Hatakeda

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx	Tx	Tx Ant.	RESULT (ERP) [dBm]		LIMIT	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER	Cable Loss [dB]	Ant. Gain [dB]	ATT. Loss [dB]	HOR	VER	[dBm] (ERP)	HOR	VER		
1	40.00	6.8	6.9	-48.1	-58.8	0.3	-24.6	10.4	-85.5	-96.2	-13.0	72.5	83.2	Operating	No2
2	1323.75	52.8	47.7	-47.6	-53.3	3.2	6.9	0.0	-46.1	-51.7	-13.0	33.1	38.7	Operating	No2
3	1985.63	43.5	43.7	-58.5	-58.4	3.9	10.2	0.0	-54.3	-54.2	-13.0	41.3	41.2	Operating	No2
4	2647.50	45.1	43.6	-57.7	-58.7	4.6	11.0	0.0	-53.5	-54.5	-13.0	40.5	41.5	Operating	No2
5	3309.38	46.9	48.8	-55.4	-53.7	5.1	11.9	0.0	-50.8	-49.1	-13.0	37.8	36.1	Operating	No2
6	3971.25	50.5	46.4	-52.4	-55.7	5.5	13.0	0.0	-47.0	-50.4	-13.0	34.0	37.4	Operating	No2
7	4633.13	45.0	43.3	-57.0	-59.4	6.0	12.9	0.0	-52.2	-54.7	-13.0	39.2	41.7	Operating	No2
8	5295.00	36.8	36.7	-64.5	-65.9	6.5	13.0	0.0	-60.1	-61.5	-13.0	47.1	48.5	Operating	No2
9	5956.88	56.6	55.3	-44.6	-46.1	7.0	13.5	0.0	-40.3	-41.7	-13.0	27.3	28.7	Operating	No2
10	6618.75	47.5	45.4	-53.2	-55.8	7.4	12.3	0.0	-50.5	-53.1	-13.0	37.5	40.1	Operating	No2

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperiodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:10Hz)

UL Japan, Inc.

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Spurious Emissions (Radiated) (Transmitting)

		UL Japan, Inc.
Company	Sony Corporation	Head Office EMC Lab. No.2 Semi Anechoic Chamber
Equipment	UHF Synthesized Wireless Microphone	Regulation
Model	UTX-H2(42)	FCC 74.861(e)(6) / RSS-123 Section 6.3
S/N	8062	FCC 2.1053
Power	DC 3.0V	Test Distance
Mode	Continuous Transmitting 638.125MHz,	3m
	Low power	Date
EUT-axis	H: X-axis, V: Z-axis	April 8, 2008
EUT Height	1.0m	Temperature
		23 deg.C.
		Humidity
		50 %
		Engineer
		Takahiro Hatakeda

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode
		HOR	VER	HOR	VER				HOR	VER		HOR	VER	
1	40.00	6.7	6.7	-48.2	-59.0	0.3	-24.6	10.4	-85.6	-96.4	-13.0	72.6	83.4	Operating
2	1276.25	55.8	52.1	-44.5	-48.8	3.1	6.7	0.0	-43.1	-47.4	-13.0	30.1	34.4	Operating
3	1914.38	30.3	34.0	-71.5	-68.0	3.8	9.9	0.0	-67.6	-64.1	-13.0	54.6	51.1	Operating
4	2552.50	30.6	33.3	-72.4	-69.0	4.5	10.9	0.0	-68.2	-64.7	-13.0	55.2	51.7	Operating
5	3190.63	41.6	47.1	-60.7	-55.5	5.0	11.7	0.0	-56.2	-51.0	-13.0	43.2	38.0	Operating
6	3828.75	51.8	50.1	-51.0	-52.1	5.4	12.7	0.0	-45.8	-46.9	-13.0	32.8	33.9	Operating
7	4466.88	43.0	42.7	-59.2	-59.9	5.9	12.9	0.0	-54.3	-54.9	-13.0	41.3	41.9	Operating
8	5105.00	36.7	37.4	-64.7	-65.5	6.3	12.9	0.0	-60.3	-61.1	-13.0	47.3	48.1	Operating
9	5743.13	41.0	42.8	-60.3	-59.0	6.8	13.4	0.0	-55.9	-54.6	-13.0	42.9	41.6	Operating
10	6381.25	56.6	53.7	-44.3	-47.6	7.3	12.8	0.0	-40.9	-44.2	-13.0	27.9	31.2	Operating

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:10Hz)

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Head Office EMC Lab.

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Spurious Emissions (Radiated) (Transmitting)

	UL Japan, Inc.	
	Head Office EMC Lab. No.2 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1053
S/N	8062	Test Distance
Power	DC 3.0V	3m
Mode	Continuous Transmitting 650.125MHz,	Date
	Low power	April 8, 2008
EUT-axis	H: X-axis, V: Z-axis	Temperature
EUT Height	1.0m	23 deg.C.
		Humidity
		50 %
		Engineer
		Takahiro Hatakeda

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER		HOR	VER		
1	40.00	6.8	6.8	-48.1	-58.9	0.3	-24.6	10.4	-85.5	-96.3	-13.0	72.5	83.3	Operating	No2
2	1300.25	56.0	52.2	-44.4	-48.8	3.1	6.8	0.0	-42.9	-47.3	-13.0	29.9	34.3	Operating	No2
3	1950.38	31.8	34.3	-70.1	-67.7	3.9	10.0	0.0	-66.1	-63.7	-13.0	53.1	50.7	Operating	No2
4	2600.50	30.5	32.4	-72.4	-69.9	4.5	10.9	0.0	-68.2	-65.7	-13.0	55.2	52.7	Operating	No2
5	3250.63	38.9	43.2	-63.4	-59.3	5.1	11.8	0.0	-58.8	-54.8	-13.0	45.8	41.8	Operating	No2
6	3900.75	44.5	41.0	-58.3	-61.2	5.4	12.9	0.0	-53.0	-55.9	-13.0	40.0	42.9	Operating	No2
7	4550.88	42.6	41.1	-59.5	-61.6	5.9	12.9	0.0	-54.6	-56.7	-13.0	41.6	43.7	Operating	No2
8	5201.00	39.7	38.1	-61.7	-64.7	6.4	13.0	0.0	-57.2	-60.3	-13.0	44.2	47.3	Operating	No2
9	5851.13	49.1	49.4	-52.1	-52.2	6.9	13.4	0.0	-47.8	-47.8	-13.0	34.8	34.8	Operating	No2
10	6501.25	55.4	52.6	-45.4	-48.6	7.4	12.6	0.0	-42.4	-45.6	-13.0	29.4	32.6	Operating	No2

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:10Hz)

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Spurious Emissions (Radiated) (Transmitting)

	UL Japan, Inc.	
	Head Office EMC Lab. No.2 Semi Anechoic Chamber	
Company	Sony Corporation	Regulation
Equipment	UHF Synthesized Wireless Microphone	FCC 74.861(e)(6) / RSS-123 Section 6.3
Model	UTX-H2(42)	FCC 2.1053
S/N	8062	Test Distance
Power	DC 3.0V	3m
Mode	Continuous Transmitting 661.875MHz,	Date
	Low power	April 8, 2008
EUT-axis	H: X-axis, V: Z-axis	Temperature
EUT Height	1.0m	23 deg.C.
		Humidity
		50 %
		Engineer
		Takahiro Hatakeda

No.	Frequency [MHz]	Electric Field Strength (After Factor Calculation) [dBuV/m]		SG Reading [dBm]		Tx Cable Loss [dB]	Tx Ant. Gain [dBi]	Tx Ant. ATT. Loss [dB]	RESULT (ERP) [dBm]		LIMIT [dBm] (ERP)	MARGIN [dB]		Mode	A/C
		HOR	VER	HOR	VER				HOR	VER					
1	40.00	6.8	6.9	-48.1	-58.8	0.3	-24.6	10.4	-85.5	-96.2	-13.0	72.5	83.2	Operating	No2
2	1323.75	59.5	54.8	-40.9	-46.2	3.2	6.9	0.0	-39.4	-44.6	-13.0	26.4	31.6	Operating	No2
3	1985.63	30.7	32.0	-71.3	-70.1	3.9	10.2	0.0	-67.1	-65.9	-13.0	54.1	52.9	Operating	No2
4	2647.50	31.4	32.8	-71.4	-69.5	4.6	11.0	0.0	-67.2	-65.3	-13.0	54.2	52.3	Operating	No2
5	3309.38	36.4	39.0	-65.9	-63.5	5.1	11.9	0.0	-61.3	-58.9	-13.0	48.3	45.9	Operating	No2
6	3971.25	37.2	35.5	-65.7	-66.6	5.5	13.0	0.0	-60.3	-61.3	-13.0	47.3	48.3	Operating	No2
7	4633.13	43.7	41.8	-58.3	-60.9	6.0	12.9	0.0	-53.5	-56.2	-13.0	40.5	43.2	Operating	No2
8	5295.00	38.1	38.4	-63.2	-64.2	6.5	13.0	0.0	-58.8	-59.8	-13.0	45.8	46.8	Operating	No2
9	5956.88	51.3	51.7	-49.9	-49.7	7.0	13.5	0.0	-45.6	-45.3	-13.0	32.6	32.3	Operating	No2
10	6618.75	50.9	47.2	-49.8	-54.0	7.4	12.3	0.0	-47.1	-51.3	-13.0	34.1	38.3	Operating	No2

CALCULATION RESULT = SG Reading - Tx Loss + Tx Ant. Gain - Tx Ant. ATT. Loss -2.15

Rx-ANTENNA : Biconical Antenna(30M-300MHz), Logperriodic Antenna(300M-1000MHz), Horn Antenna(1G-12.75GHz)

Tx-ANTENNA : 120MHz tuned Dipole Antenna(30M-120MHz), Dipole Antenna(120M-1000MHz), Horn Antenna(1G-12.75GHz)

All other emissions were at least 20dB below the specification limit.

The noise was measured at each position of all three axes X, Y and Z to compare the level, and the maximum noise.

With the result above, the effective radiated power was calculated on the basis of the reference value

- for the calibration data on the substitution measurement.

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

Detector : Below 1GHz : T/R AV(BW:120kHz), Above 1GHz : S/A PK(RBW:1MHz/VBW:10Hz)

UL Japan, Inc.

Head Office EMC Lab.

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Frequency Stability

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room
Regulation FCC74.861 (e) (4) / RSS-123_7(a)
Test Distance -
Date April 10, 2008
Temperature 24 deg.C.
Humidity 35 %
Engineer Takumi Shimada

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 3.0V
Mode Continuous Transmitting (No Modulation)
638.125MHz / 650.125MHz / 661.875MHz

638.125MHz

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T max 50deg.C.	638.12575361	0.00075361	1.18	50.00	48.82
40deg.C.	638.12550191	0.00050191	0.79	50.00	49.21
30deg.C.	638.12529867	0.00029867	0.47	50.00	49.53
T nom 20deg.C.	638.12476342	-0.00023658	-0.37	50.00	49.63
10deg.C.	638.12458064	-0.00041936	-0.66	50.00	49.34
0deg.C.	638.12303847	-0.00196153	-3.07	50.00	46.93
-10deg.C.	638.12162697	-0.00337303	-5.29	50.00	44.71
-20deg.C.	638.11785423	-0.00714577	-11.20	50.00	38.80
T min -30deg.C.	638.11490342	-0.01009658	-15.82	50.00	34.18

638.125 MHz +/-0.005 % (+/- 50ppm) = +/- 0.031906 MHz

650.125MHz

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T max 50deg.C.	650.12580500	0.00080500	1.24	50.00	48.76
40deg.C.	650.12549531	0.00049531	0.76	50.00	49.24
30deg.C.	650.12537512	0.00037512	0.58	50.00	49.42
T nom 20deg.C.	650.12504608	0.00004608	0.07	50.00	49.93
10deg.C.	650.12462034	-0.00037966	-0.58	50.00	49.42
0deg.C.	650.12273655	-0.00226345	-3.48	50.00	46.52
-10deg.C.	650.12172549	-0.00327451	-5.04	50.00	44.96
-20deg.C.	650.11661616	-0.00838384	-12.90	50.00	37.10
T min -30deg.C.	650.11548822	-0.00951178	-14.63	50.00	35.37

650.125 MHz +/-0.005 % (+/- 50ppm) = +/- 0.032506 MHz

661.875MHz

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T max 50deg.C.	661.87572130	0.00072130	1.09	50.00	48.91
40deg.C.	661.87553341	0.00053341	0.81	50.00	49.19
30deg.C.	661.87535358	0.00035358	0.53	50.00	49.47
T nom 20deg.C.	661.87514622	0.00014622	0.22	50.00	49.78
10deg.C.	661.87448802	-0.00051198	-0.77	50.00	49.23
0deg.C.	661.87332386	-0.00167614	-2.53	50.00	47.47
-10deg.C.	661.87128337	-0.00371663	-5.62	50.00	44.38
-20deg.C.	661.86730450	-0.00769550	-11.63	50.00	38.37
T min -30deg.C.	661.86551729	-0.00948271	-14.33	50.00	35.67

661.875 MHz +/-0.005 % (+/-50ppm) = +/- 0.033094 MHz

UL Japan, Inc.

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Frequency Stability

Company Sony Corporation
Equipment UHF Synthesized Wireless Microphone
Model UTX-H2(42)
S/N 8062
Power DC 1.978V (end point)
Mode Continuous Transmitting (No Modulation)
638.125MHz / 650.125MHz / 661.875MHz

UL Japan, Inc.
Head Office EMC Lab. No.7Shielded Room
Regulation FCC74.861 (e) (4) / RSS-123_7(a)
Test Distance -
Date April 10, 2008
Temperature 24 deg.C.
Humidity 35 %
Engineer Takumi Shimada

638.125MHz

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T max 50deg.C.	638.12574545	0.00074545	1.17	50.00	48.83
40deg.C.	638.12549185	0.00049185	0.77	50.00	49.23
30deg.C.	638.12530882	0.00030882	0.48	50.00	49.52
T nom 20deg.C.	638.12479924	-0.00020076	-0.31	50.00	49.69
10deg.C.	638.12454702	-0.00045298	-0.71	50.00	49.29
0deg.C.	638.12321063	-0.00178937	-2.80	50.00	47.20
-10deg.C.	638.12146505	-0.00353495	-5.54	50.00	44.46
-20deg.C.	638.11633271	-0.00866729	-13.58	50.00	36.42
T min -30deg.C	638.11487329	-0.01012671	-15.87	50.00	34.13

638.125 MHz +/-0.005 % (+/- 50ppm) = +/- 0.031906 MHz

650.125MHz

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T max 50deg.C.	650.12580147	0.00080147	1.23	50.00	48.77
40deg.C.	650.12549068	0.00049068	0.75	50.00	49.25
30deg.C.	650.12537498	0.00037498	0.58	50.00	49.42
T nom 20deg.C.	650.12510921	0.00010921	0.17	50.00	49.83
10deg.C.	650.12463979	-0.00036021	-0.55	50.00	49.45
0deg.C.	650.12258749	-0.00241251	-3.71	50.00	46.29
-10deg.C.	650.12203489	-0.00296511	-4.56	50.00	45.44
-20deg.C	650.11635557	-0.00864443	-13.30	50.00	36.70
T min -30deg.C	650.11540345	-0.00959655	-14.76	50.00	35.24

650.125 MHz +/-0.005 % (+/- 50ppm) = +/- 0.032506 MHz

661.875MHz

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T max 50deg.C.	661.87572832	0.00072832	1.10	50.00	48.90
40deg.C.	661.87552817	0.00052817	0.80	50.00	49.20
30deg.C.	661.87534455	0.00034455	0.52	50.00	49.48
T nom 20deg.C.	661.87518399	0.00018399	0.28	50.00	49.72
10deg.C.	661.87449232	-0.00050768	-0.77	50.00	49.23
0deg.C.	661.87325591	-0.00174409	-2.64	50.00	47.36
-10deg.C.	661.87130796	-0.00369204	-5.58	50.00	44.42
-20deg.C	661.86706500	-0.00793500	-11.99	50.00	38.01
T min -30deg.C	661.86584729	-0.00915271	-13.83	50.00	36.17

661.875 MHz +/-0.005 % (+/-50ppm) = +/- 0.033094 MHz

UL Japan, Inc.

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Frequency Stability

	UL Japan, Inc.
Company	Sony Corporation
Equipment	UHF Synthesized Wireless Microphone
Model	UTX-H2(42)
S/N	8062
Power	DC 3.0V / DC 2.55V / DC 3.45V
Mode	Continuous Transmitting (No Modulation) 638.125MHz / 650.125MHz / 661.875MHz
	Head Office EMC Lab. No.7Shielded Room
	Regulation RSS-123_7(b)
	Test Distance -
	Date April 10, 2008
	Temperature 24 deg.C.
	Humidity 35 %
	Engineer Takumi Shimada

638.125MHz(S/N:8062)

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T nom 20deg.C. / Vnom 3.0V	638.12476342	-0.00023658	-0.37	50.00	49.63
T nom 20deg.C. / Vmin 2.55V	638.12482543	-0.00017457	-0.27	50.00	49.73
T nom 20deg.C. / Vmax 3.45V	638.12482808	-0.00017192	-0.27	50.00	49.73
638.125 MHz +/-0.005 % (+/- 50ppm) =					+/- 0.031906 MHz

650.125MHz(S/N:8062)

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T nom 20deg.C. / Vnom 3.0V	650.12504608	0.00004608	0.07	50.00	49.93
T nom 20deg.C. / Vmin 2.55V	650.12507277	0.00007277	0.11	50.00	49.89
T nom 20deg.C. / Vmax 3.45V	650.12508437	0.00008437	0.13	50.00	49.87
650.125 MHz +/-0.005 % (+/- 50ppm) =					+/- 0.032506 MHz

661.875MHz(S/N:8062)

Test Condition	Measured freq [MHz]	Freq error [MHz]	Result [ppm]	Limit (+/- 0.005%) [+/- ppm]	Margin [ppm]
T nom 20deg.C. Vnom 3.0V	661.87514622	0.00014622	0.22	50.00	49.78
T nom 20deg.C. Vmin 2.55V	661.87515933	0.00015933	0.24	50.00	49.76
T nom 20deg.C. Vnom 3.45V	661.87516533	0.00016533	0.25	50.00	49.75
661.875 MHz +/-0.005 % (+/-50ppm) =					+/- 0.033094 MHz

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APPENDIX 3: Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE / MOD	2007/04/02 * 12
MOS-02	Digital Humidity Indicator	N.T	NT-1800	RE/MOD	
MJM-05	Measure	PROMART	SEN1955	RE	-
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE	-
MRENT-62	Spectrum Analyzer	Agilent	E4448A	RE	2007/11/27 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE	2008/04/02 * 12
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/10/21 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE/MOD	2007/10/21 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2008/02/15 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2007/11/13 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2007/09/13 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2008/01/19 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/08/28 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2008/02/08 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2007/09/27 * 12
MHF-04	High Pass Filter 1.22-4.6GHz	Mini-Circuit	VHF-1200	RE	2008/02/01 * 12
MRENT-49	Audio Analyzer	KENWOOD	VA-2230	RE / MOD	2008/02/20 * 12
MRS-01	Radiocommunication Service Monitor	Rohde & Schwarz	CMS54	MOD	2008/02/27 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	RE / MOD	2007/12/27 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2008/02/08 * 12
MUC-01	Universal Counter	Agilent	53132A	FT	2007/05/23 * 12
MDPS-12	DC Power Supply	Kikusui	PAK35-10A	FT	Pre Check
MOS-14	Thermo-Hygrometer	Custom	CTH-180	FT	2008/01/10 * 12
MMM-11	Digital HiTESTER	Hioki	3805	FT	2008/04/09 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MAT-10	Attenuator(10dB)	Weinschel Corp	2	AT	2007/11/14 * 12
MCC-64	Coaxial Cable	TOYO Technica Corporation	-	AT	2008/03/11 * 12
MOS-12	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 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:

MOD : Modulation Characteristics
FT : Frequency Tolerance
RE : Radiated emission (Other tests)
AT : Antenna terminal

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