

APPENDIX 2: Data of EMI test

Conducted Emission
Tx, Ch. Low

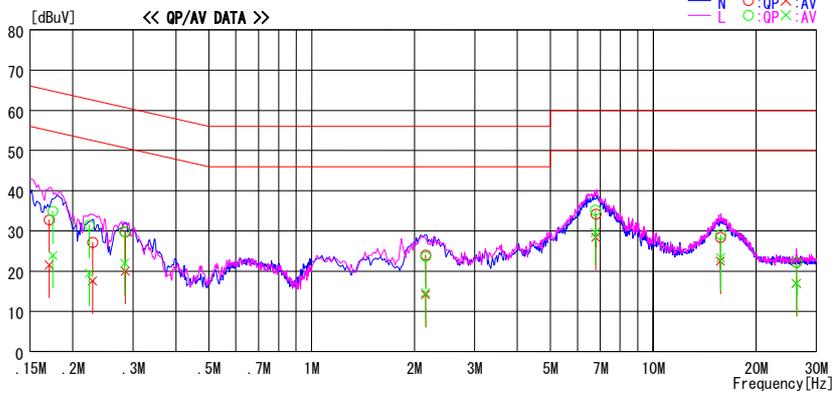
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
 Date : 2008/03/17

Company : Sony Corporation
 Kind of EUT : Digital Still Camera
 Model No. : DKC-C300X
 Serial No. : SG241-PP-00000132
 Report No. : 28EE0001-HO-01
 Power : AC 120V / 60Hz
 Temp./Humi. : 25deg.C / 33%
 Operator : Shinya Watanabe

Mode / Remarks : TX_Bluetooth_Lch

LIMIT : FCC15.207 QP
 FCC15.207 AV



Frequency [MHz]	Reading Level		Corr. Factor [dB]	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.17058	32.6	21.3	0.2	32.8	21.5	64.9	54.9	32.2	33.4	N
0.22837	27.0	17.4	0.2	27.2	17.6	62.5	52.5	35.3	34.9	N
0.28462	29.4	19.7	0.3	29.7	20.0	60.7	50.7	31.0	30.7	N
2.15431	23.3	13.5	0.7	24.0	14.2	56.0	46.0	32.0	31.8	N
6.78956	33.0	27.2	1.2	34.2	28.4	60.0	50.0	25.8	21.6	N
15.73143	26.3	20.5	2.0	28.3	22.5	60.0	50.0	31.7	27.5	N
26.25272	19.4	14.2	2.7	22.1	16.9	60.0	50.0	37.9	33.1	N
0.17475	34.7	23.7	0.2	34.9	23.9	64.7	54.7	29.8	30.8	L
0.22311	31.3	19.3	0.2	31.5	19.5	62.7	52.7	31.2	33.2	L
0.28340	29.5	21.7	0.3	29.8	22.0	60.7	50.7	30.9	28.7	L
2.15510	22.9	13.9	0.7	23.6	14.6	56.0	46.0	32.4	31.4	L
6.77152	34.0	28.4	1.2	35.2	29.6	60.0	50.0	24.8	20.4	L
15.77158	27.1	21.3	2.0	29.1	23.3	60.0	50.0	30.9	26.7	L
26.25396	19.5	14.2	2.7	22.2	16.9	60.0	50.0	37.8	33.1	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C.F. [dB] (L1SN LOSS + CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

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

Conducted Emission
Tx, Ch. Low

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2008/03/17

Company : Sony Corporation
Kind of EUT : Digital Still Camera
Model No. : DKC-C300X
Serial No. : S6241-PP-00000132

Report No. : 28EE0001-HO-01
Power : AC 120V / 60Hz
Temp./Humi. : 25deg. C / 33%
Operator : Shinya Watanabe

Mode / Remarks : TX_Bluetooth_Lch

LIMIT : FCC15.207 QP
FCC15.207 AV

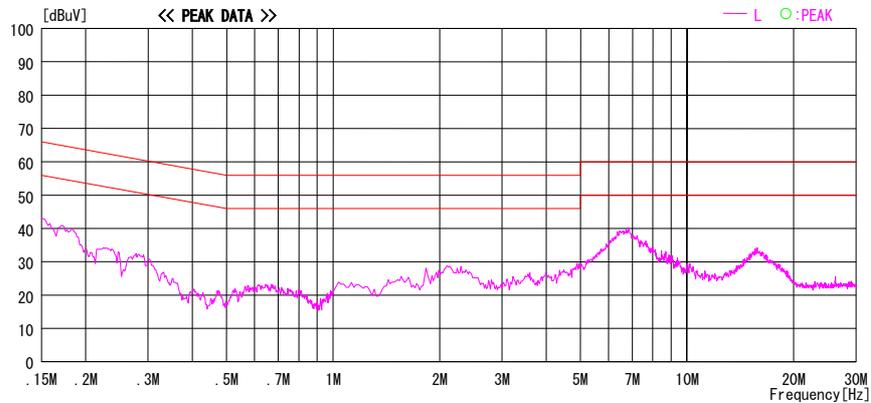
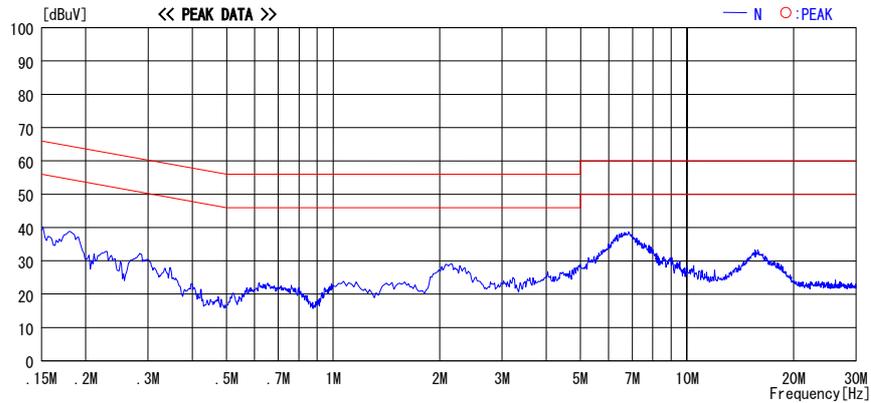


CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C. F [dB] (LISN LOSS + CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission
Tx, Ch. Mid

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
 Date : 2008/03/17

Company	: Sony Corporation	Report No.	: 28EE0001-HO-01
Kind of EUT	: Digital Still Camera	Power	: AC 120V / 60Hz
Model No.	: DKC-C300X	Temp./Humi.	: 25deg. C / 33%
Serial No.	: SG241-PP-00000132	Operator	: Shinya Watanabe

Mode / Remarks : TX_Bluetooth_Mch

LIMIT : FCC15.207 QP
FCC15.207 AV

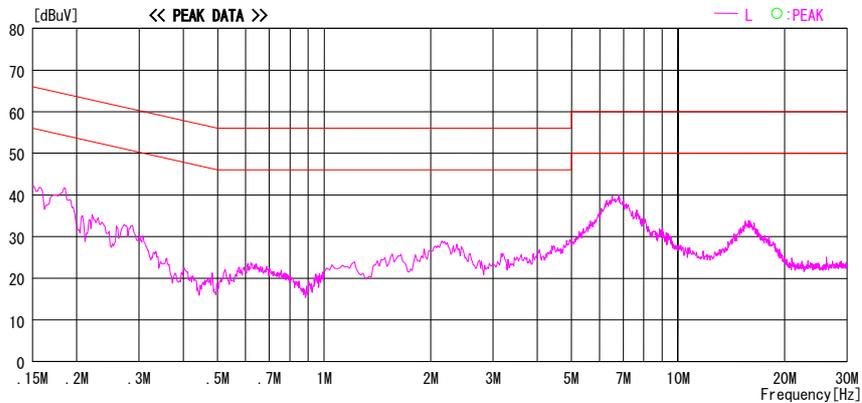
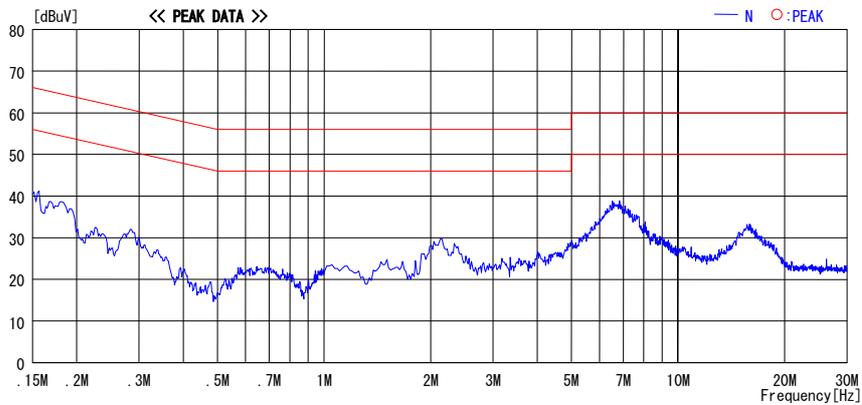


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT[dBuV]=READING[dBuV]+C.F[dB] (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission Tx, Ch. High

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2008/03/17

Company : Sony Corporation
 Kind of EUT : Digital Still Camera
 Model No. : DKC-C300X
 Serial No. : S6241-PP-00000132

Report No. : 28EE0001-HO-01
 Power : AC 120V / 60Hz
 Temp./Humi. : 25deg. C / 33%
 Operator : Shinya Watanabe

Mode / Remarks : TX_Bluetooth_Hch

LIMIT : FCC15.207 QP
 FCC15.207 AV

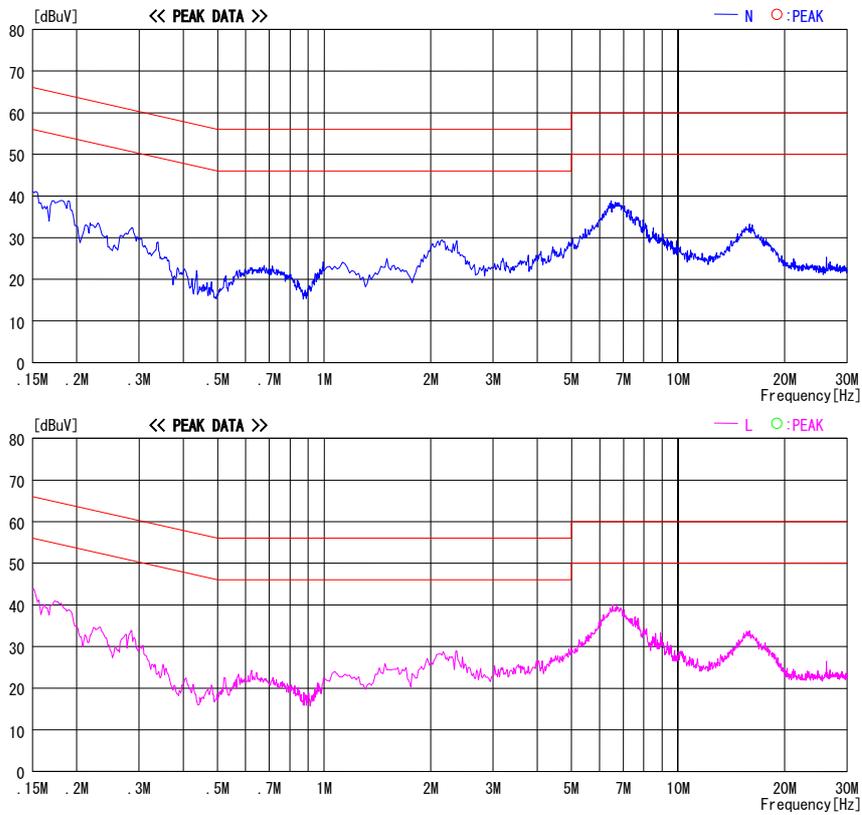


CHART: WITH FACTOR, Peak hold data. CALCURATION: RESULT [dBuV]=READING [dBuV]+C. F [dB] (LISN LOSS+CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

Conducted Emission

Rx, Ch. Mid

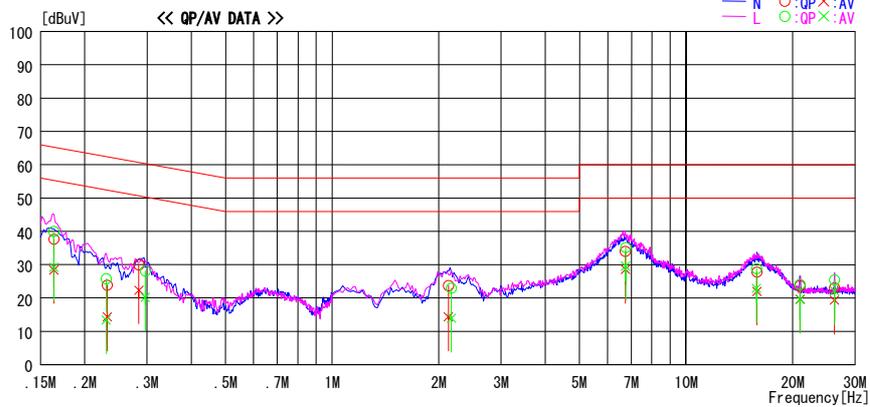
DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.1 Semi Anechoic Chamber
Date : 2008/03/17

Company : Sony Corporation
 Kind of EUT : Digital Still Camera
 Model No. : DKC-C300X
 Serial No. : SG241-PP-00000132
 Report No. : 28EE0001-HO-01
 Power : AC 120V / 60Hz
 Temp./Humi. : 25deg. C / 33%
 Operator : Shinya Watanabe

Mode / Remarks : Rx_Bluetooth_Mch

LIMIT : FCC15_207_QP
 FCC15_207_AV



Frequency [MHz]	Reading Level		Corr. Factor	Results		Limit		Margin		Phase
	QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dB]	AV [dB]	
0.16363	37.5	28.3	0.2	37.7	28.5	65.3	55.3	27.6	26.8	N
0.23176	23.6	14.0	0.3	23.9	14.3	62.4	52.4	38.5	38.1	N
0.28464	29.7	22.1	0.3	30.0	22.4	60.7	50.7	30.7	28.3	N
2.13111	23.2	13.7	0.6	23.8	14.3	56.0	46.0	32.2	31.7	N
6.73545	32.8	27.3	1.2	34.0	28.5	60.0	50.0	26.0	21.5	N
15.85169	25.8	20.0	2.0	27.8	22.0	60.0	50.0	32.2	28.0	N
20.99886	21.3	17.2	2.4	23.7	19.6	60.0	50.0	36.3	30.4	N
26.25570	20.3	16.6	2.7	23.0	19.3	60.0	50.0	37.0	30.7	N
0.16359	39.8	29.1	0.2	40.0	29.3	65.3	55.3	25.3	26.0	L
0.22994	25.4	13.1	0.3	25.7	13.4	62.5	52.5	36.8	39.1	L
0.29649	27.8	19.9	0.3	28.1	20.2	60.3	50.3	32.2	30.1	L
2.17235	22.3	13.2	0.7	23.0	13.9	56.0	46.0	33.1	32.1	L
6.74280	34.0	28.3	1.2	35.2	29.5	60.0	50.0	24.8	20.5	L
15.81161	26.8	20.9	2.0	28.8	22.9	60.0	50.0	31.2	27.1	L
20.99492	21.7	17.1	2.4	24.1	19.5	60.0	50.0	35.9	30.5	L
26.25078	22.8	19.5	2.7	25.5	22.2	60.0	50.0	34.5	27.8	L

CHART: WITH FACTOR, Peak hold data. CALCULATION: RESULT [dBuV] = READING [dBuV] + C.F. [dB] (LISN LOSS + CABLE LOSS)
 Except for the above table : adequate margin data below the limits.

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

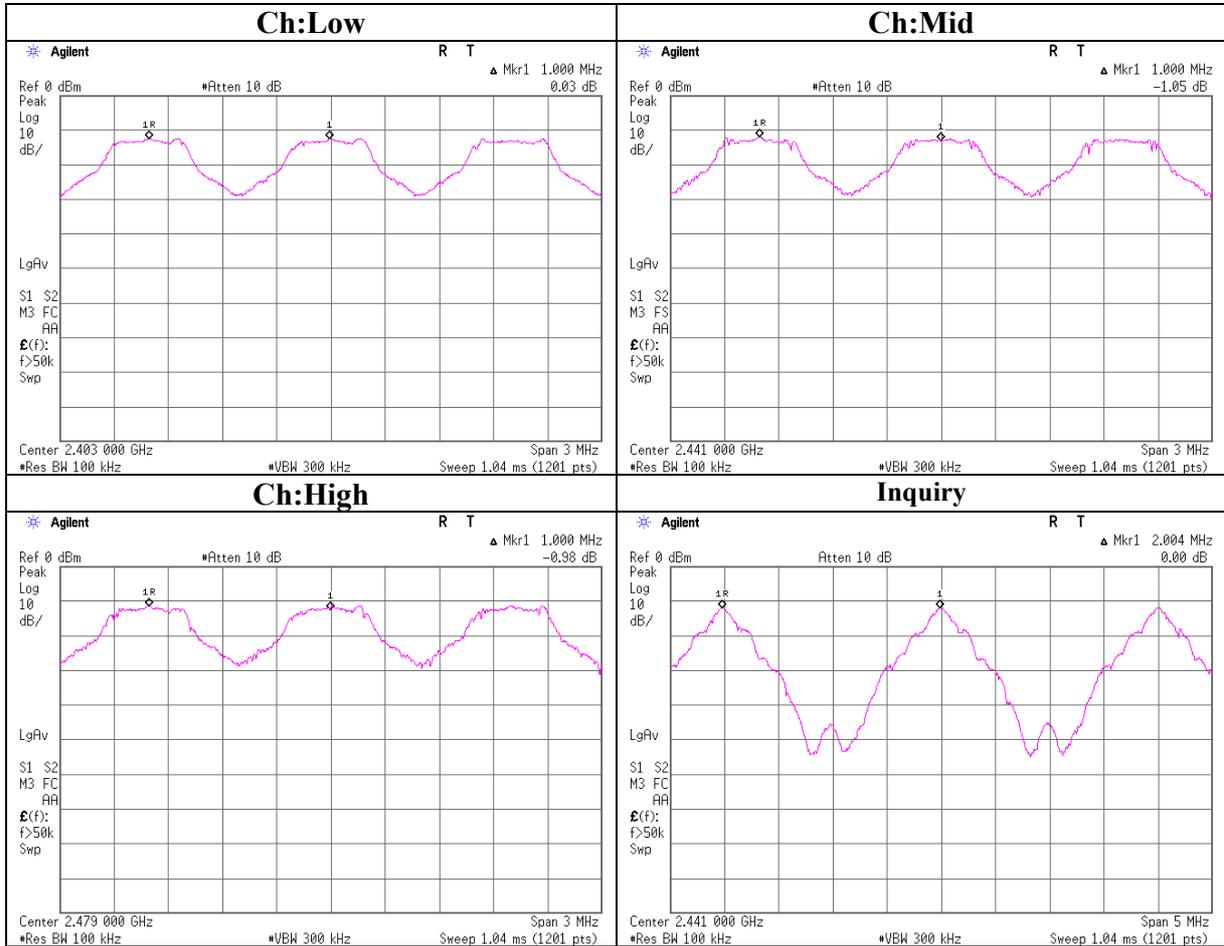
Carrier Frequency Separation

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room
Test Report No. : 28EE0001-HO-01
Regulation : FCC15.247(a)(1)/RSS-210A8.1(b)
Test distance : -
Date : 3/14/2008
Temperature : 23 deg. C
Humidity : 51 %
Engineer : Motoya Imura

Company : Sony Corporation
Equipment : Digital Still Camera
Model No. : DKC-C300X
Serial No. : SG241-PP-00000137
Power : AC 120V / 60Hz
Mode : Tx(Hopping on)/Inquiry

Ch	Freq. [MHz]	Channel separation [MHz]	Limit
Low	2402.0	1.000	>two-thirds of 0.932 [MHz]20dB Bandwidth or 25[kHz](whichever is greater)
Mid	2441.0	1.000	>two-thirds of 0.935 [MHz]20dB Bandwidth or 25[kHz](whichever is greater)
High	2480.0	1.000	>two-thirds of 0.932 [MHz]20dB Bandwidth or 25[kHz](whichever is greater)
Inquiry	2441.0	2.004	>two-thirds of 0.823 [MHz]20dB Bandwidth or 25[kHz](whichever is greater)

Carrier Frequency Separation



Test report No. : 28EE0001-HO-01-A-R1
Page : 24 of 46
Issued date : March 28, 2008
Revised date : April 21, 2008
FCC ID : AK8DKCC300X

20dB Bandwidth

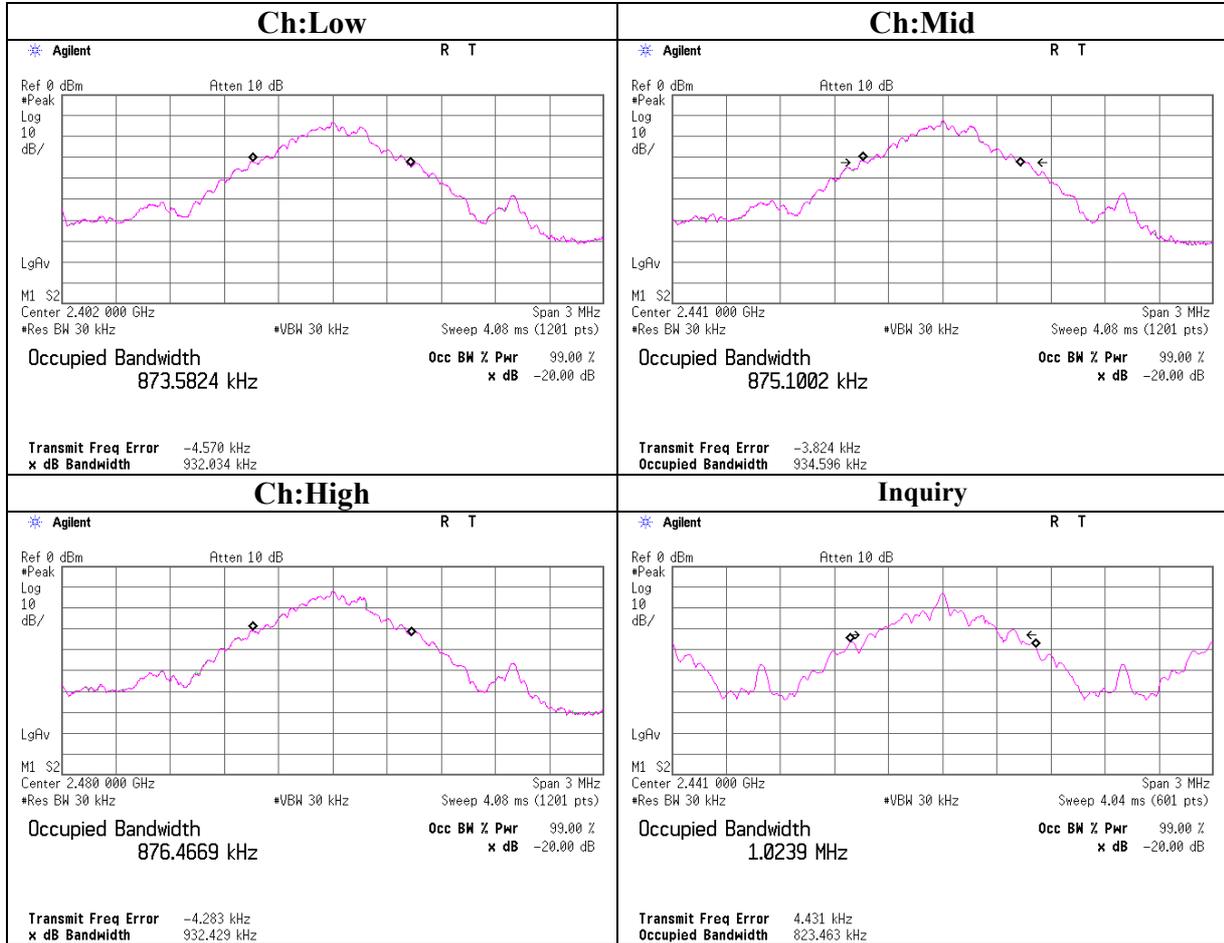
Company : Sony Corporation
Equipment : Digital Still Camera
Model No. : DKC-C300X
Serial No. : SG241-PP-00000137
Power : AC 120V / 60Hz
Mode : Tx (Hopping off) /Inquiry

UL Japan, Inc.
Head Office EMC Lab. No.6 Shielded Room
Test Report No. : 28EE0001-HO-01
Regulation : FCC15.247(a)(1)/RSS-210A8.1(a)
Test distance : -
Date : 3/14/2008
Temperature : 23 deg. C
Humidity : 51 %
Engineer : Motoya Imura

Ch	Freq. [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	2402.0	0.932	-
Mid	2441.0	0.935	-
High	2480.0	0.932	-
Inquiry	2441.0	0.823	-

UL Japan, Inc.
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20dB Bandwidth



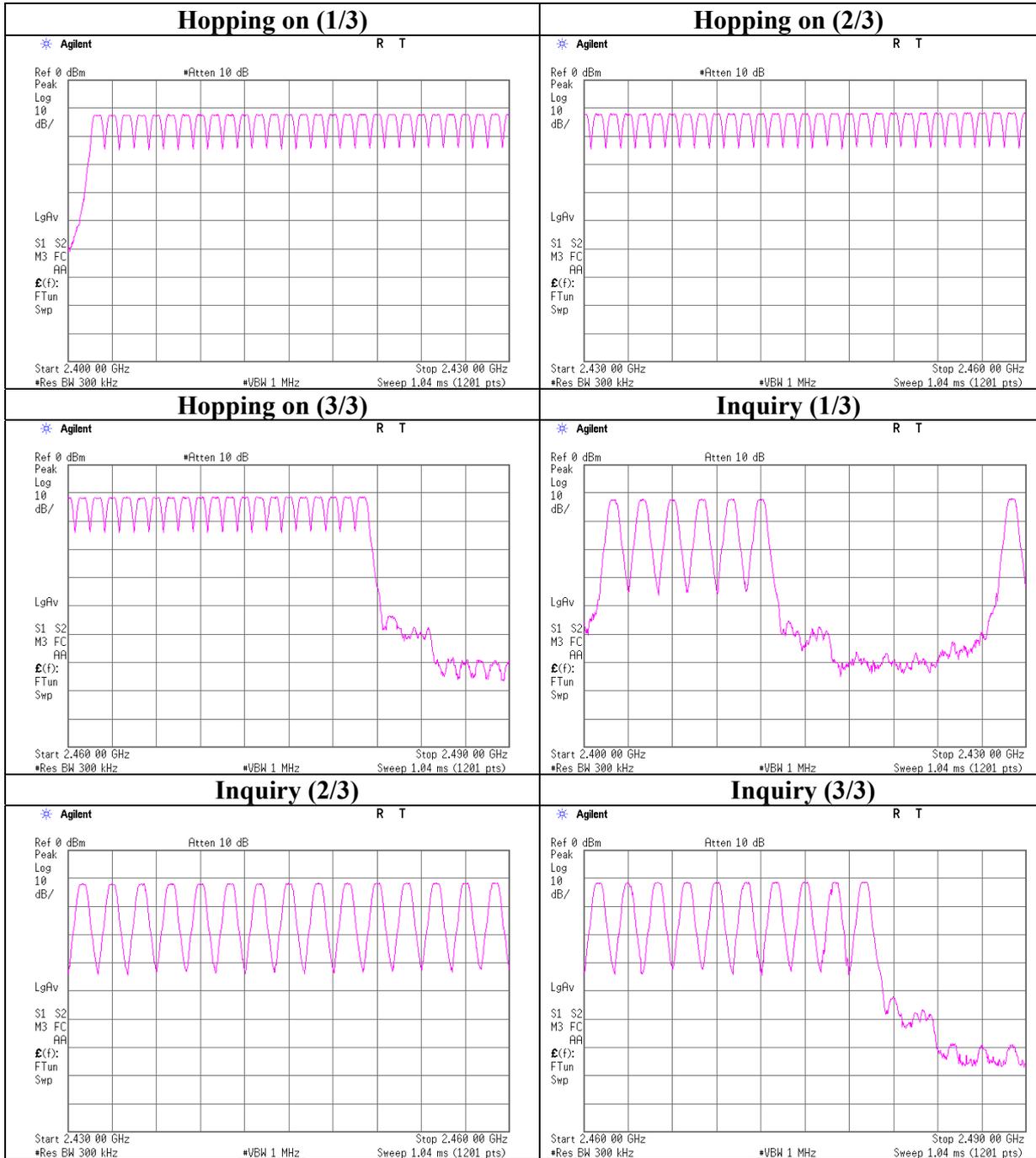
Number of Hopping Frequency

Head Office EMC Lab. No.6 Shielded Room
Test Report No. : 28EE0001-HO-01
Regulation : FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
Company : Sony Corporation
Equipment : Digital Still Camera
Test distance : -
Model No. : DKC-C300X
Date : 3/14/2008
Serial No. : SG241-PP-00000137
Temperature : 23 deg. C
Power : AC 120V / 60Hz
Humidity : 51 %
Mode : Tx (Hopping on) /Inquiry
Engineer : Motoya Imura

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

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

Number of Hopping Frequency



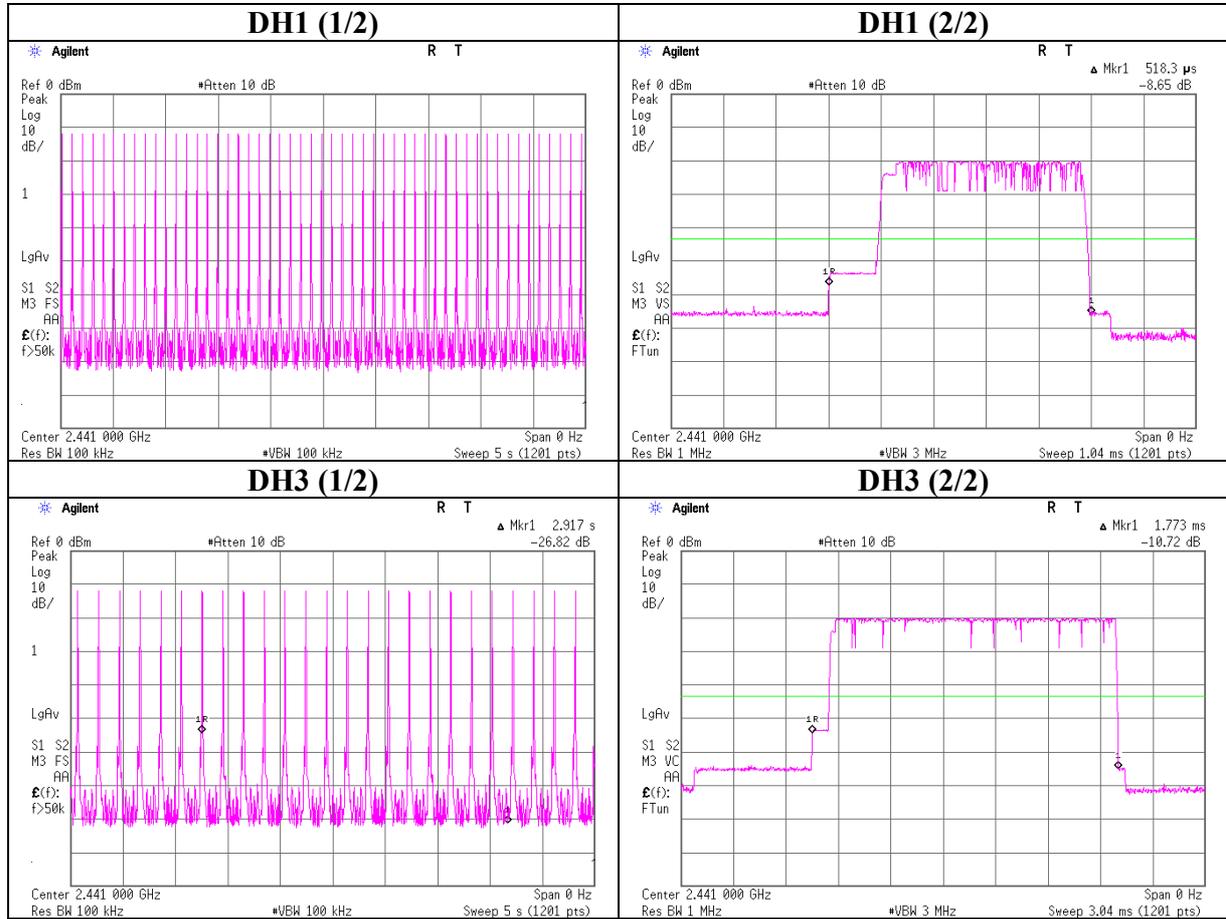
Dwell time

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

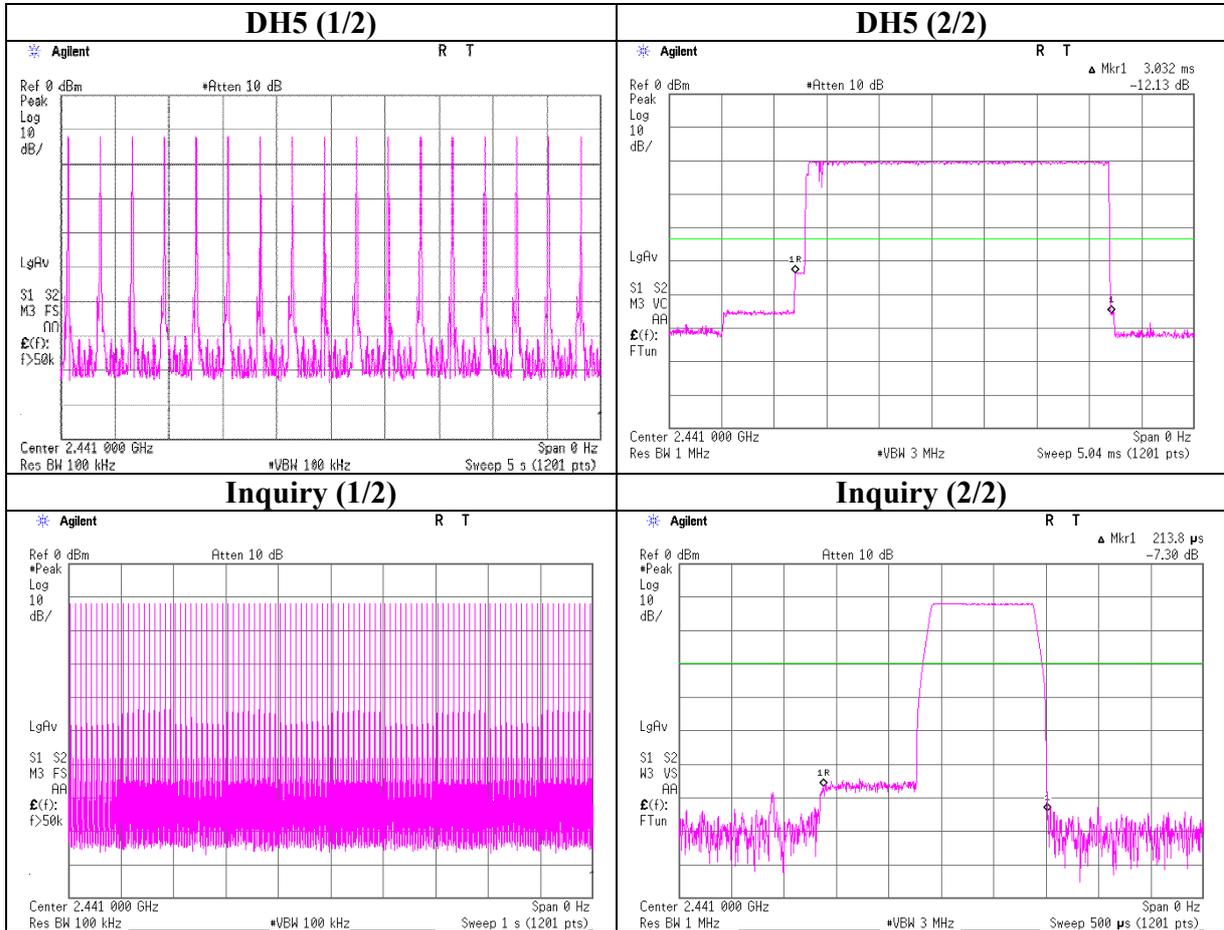
Company	: Sony Corporation	Test Report No.	: 28EE0001-HO-01
Equipment	: Digital Still Camera	Regulation	: FCC15.247(a)(1)(iii)/RSS-210A8.1(d)
Model No.	: DKC-C300X	Test distance	: -
Serial No.	: SG241-PP-00000137	Date	: 3/14/2008
Power	: AC 120V / 60Hz	Temperature	: 23 deg. C
Mode	: Tx (Hopping on) /Inquiry	Humidity	: 51 %
		Engineer	: Motoya Imura

Mode	Number of transmission in a 31.6(79 Hopping x 0.4) / 12.8(32 Hopping x 0.4)second period	Length of transmission time [msec]	Result [msec]	Limit [msec]
DH1	51 times / 5 sec. x 31.6 sec. = 323 times	0.518	167	400
DH3	25 times / 5 sec. x 31.6 sec. = 158 times	1.773	280	400
DH5	17 times / 5 sec. x 31.6 sec. = 108 times	3.032	327	400
Inquiry	101 times / 1 sec. x 12.8 sec. = 1293 times	0.214	276	400

Dwell time



Dwell time



Maximum Peak Output Power

	UL Japan, Inc.
	Head Office EMC Lab. No.6 Shielded Room
Company : Sony Corporation	Test Report No. : 28EE0001-HO-01
Equipment : Digital Still Camera	Regulation : FCC15.247(b)(1)/RSS-210A8.4(2)
Model No. : DKC-C300X	Test distance : -
Serial No. : SG241-PP-00000137	Date : 3/14/2008
Power : AC 120V / 60Hz	Temperature : 23 deg. C
Mode : Tx(Hopping Off)/Inquiry	Humidity : 51 %
	Engineer : Motoya Imura

Ch	Freq. [MHz]	P/M Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result		Limit		Margin [dB]
					[dBm]	[mW]	[dBm]	[mW]	
Low	2402.0	-11.84	1.60	10.07	-0.17	0.96	20.97	125	21.14
Mid	2441.0	-11.26	1.60	10.07	0.41	1.10	20.97	125	20.56
High	2480.0	-10.84	1.60	10.07	0.83	1.21	20.97	125	20.14
Inquiry	2441.0	-11.32	1.60	10.07	0.35	1.08	20.97	125	20.62

Sample Calculation:

Result = Reading + Cable Loss (supplied by customer)+ Attenuator

UL Japan, Inc.

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

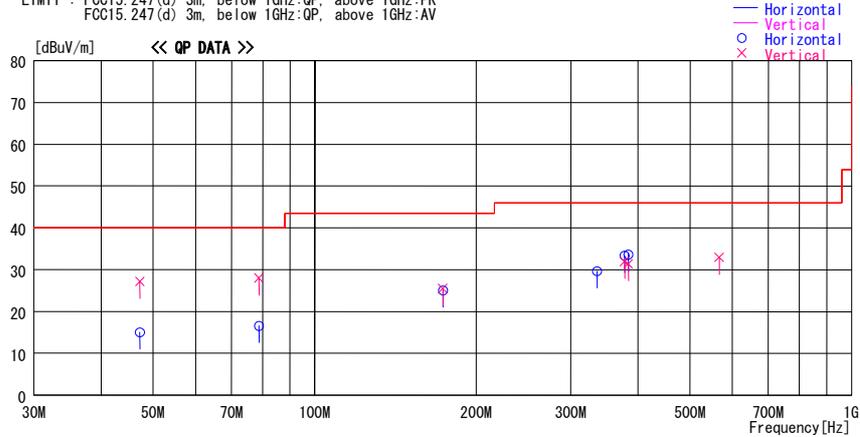
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/17

Company : Sony Corporation
Kind of EUT : Digital Still Camera
Model No. : DKC-C300X
Serial No. : SG241-PP-00000130
Report No. : 28EE0001-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 25deg. C. / 39%
Operator : Akio Hayashi

Mode / Remarks : Tx2402_DH5, EUT-axis(Hor:Z, Ver:X)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit		Margin	Comment
			Factor [dB/m]	Loss& Gain [dB]					[dBuV/m]	[dB]		
47.250	25.9	QP	11.0	-21.8	15.1	274	387	Hori.	40.0	24.9		
47.255	38.0	QP	11.0	-21.8	27.2	256	100	Vert.	40.0	12.8		
78.754	31.4	QP	6.4	-21.3	16.5	83	212	Hori.	40.0	23.5		
78.749	42.9	QP	6.4	-21.3	28.0	271	100	Vert.	40.0	12.0		
173.246	29.2	QP	16.0	-20.1	25.1	64	248	Hori.	43.5	18.4		
173.252	29.6	QP	16.0	-20.1	25.5	222	100	Vert.	43.5	18.0		
335.982	33.2	QP	15.6	-19.1	29.7	0	100	Hori.	46.0	16.3		
377.998	35.8	QP	16.8	-19.2	33.4	286	100	Hori.	46.0	12.6		
378.002	34.4	QP	16.8	-19.2	32.0	0	186	Vert.	46.0	14.0		
383.995	35.7	QP	17.0	-19.1	33.6	103	100	Hori.	46.0	12.4		
384.004	33.5	QP	17.0	-19.1	31.4	0	136	Vert.	46.0	14.6		
567.002	33.1	QP	18.7	-18.9	32.9	276	100	Vert.	46.0	13.1		

CHART WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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

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

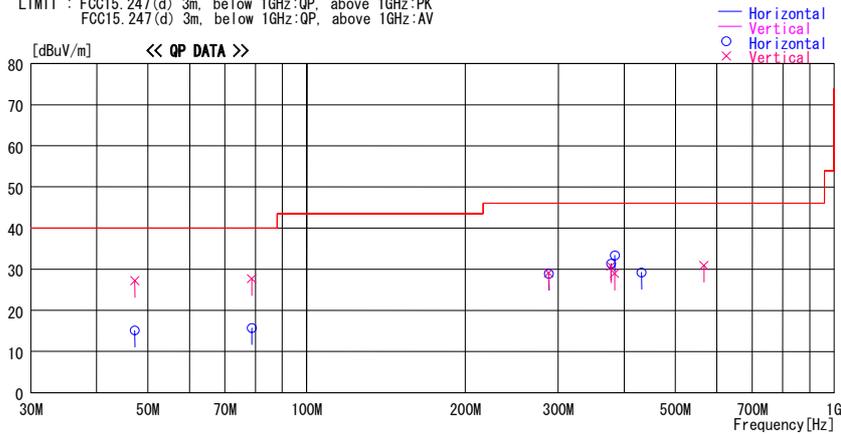
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UL Japan, Inc. Head Office EMC Lab. No. 2 Semi Anechoic Chamber
Date : 2008/03/17

Company : Sony Corporation Report No. : 28EE0001-HO-01
Kind of EUT : Digital Still Camera Power : AC120V / 60Hz
Model No. : DKC-C300X Temp./Humi. : 25deg. C. / 39%
Serial No. : SG241-PP-00000130 Operator : Akio Hayashi

Mode / Remarks : Tx2441_DH5, EUT-axis(Hor:Z, Ver:X)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna	Loss	Level	Angle	Height	Polar.	Limit	Margin	Comment
			Factor [dB/m]	Gain [dB]					[dBuV/m]	[dB]	
47.250	25.9	QP	11.0	-21.8	15.1	281	377	Hori.	40.0	24.9	
47.253	38.0	QP	11.0	-21.8	27.2	262	100	Vert.	40.0	12.8	
78.743	42.6	QP	6.4	-21.3	27.7	348	100	Vert.	40.0	12.3	
78.759	30.6	QP	6.4	-21.3	15.7	153	207	Hori.	40.0	24.3	
287.925	28.5	QP	19.4	-19.0	28.9	89	196	Hori.	46.0	17.1	
287.925	28.7	QP	19.4	-19.0	29.1	216	100	Vert.	46.0	16.9	
377.996	33.8	QP	16.8	-19.2	31.4	274	100	Hori.	46.0	14.6	
378.005	33.1	QP	16.8	-19.2	30.7	0	149	Vert.	46.0	15.3	
383.998	35.5	QP	17.0	-19.1	33.4	289	100	Hori.	46.0	12.6	
383.997	31.1	QP	17.0	-19.1	29.0	0	141	Vert.	46.0	17.0	
432.002	31.0	QP	17.4	-19.2	29.2	143	100	Hori.	46.0	16.8	
566.998	31.1	QP	18.7	-18.9	30.9	295	100	Vert.	46.0	15.1	

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

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

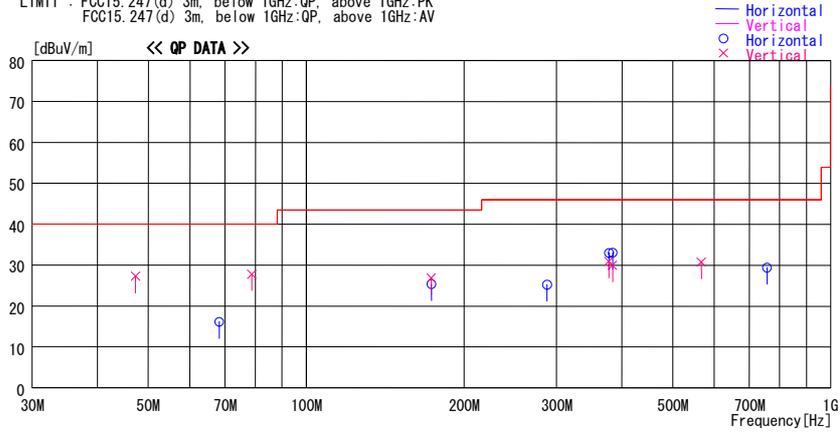
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 Date : 2008/03/17

Company : Sony Corporation
 Kind of EUT : Digital Still Camera
 Model No. : DKC-C300X
 Serial No. : SG241-PP-00000130
 Report No. : 28EE0001-HO-01
 Power : AC120V / 60Hz
 Temp./Humi. : 25deg.C. / 39%
 Operator : Akio Hayashi

Mode / Remarks : Tx2480_DH5, EUT-axis(Hor:Z, Ver:X)

LIMIT : FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:PK
 FCC15.247(d) 3m, below 1GHz:QP, above 1GHz:AV



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss Gain							
68.259	30.8	QP	6.9	-21.5	16.2	110	133	Hori.	40.0	23.9	
47.254	38.1	QP	11.0	-21.8	27.3	257	100	Vert.	40.0	12.7	
78.755	42.7	QP	6.4	-21.3	27.8	356	100	Vert.	40.0	12.2	
173.253	29.5	QP	16.0	-20.1	25.4	92	186	Hori.	43.5	18.1	
288.001	24.8	QP	19.4	-19.0	25.2	10	184	Hori.	46.0	20.8	
173.249	31.0	QP	16.0	-20.1	26.9	192	100	Vert.	43.5	16.6	
378.000	35.4	QP	16.8	-19.2	33.0	100	100	Hori.	46.0	13.0	
378.003	33.3	QP	16.8	-19.2	30.9	349	160	Vert.	46.0	15.1	
383.995	35.2	QP	17.0	-19.1	33.1	304	100	Hori.	46.0	12.9	
384.003	32.1	QP	17.0	-19.1	30.0	212	160	Vert.	46.0	16.0	
755.996	25.9	QP	21.3	-17.8	29.4	358	116	Hori.	46.0	16.6	
566.997	30.9	QP	18.7	-18.9	30.7	289	100	Vert.	46.0	15.3	

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
 CALCULATION: RESULT = READING + ANT FACTOR + LOSS (CABLE+ATTEN.) - GAIN (AMP)

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

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

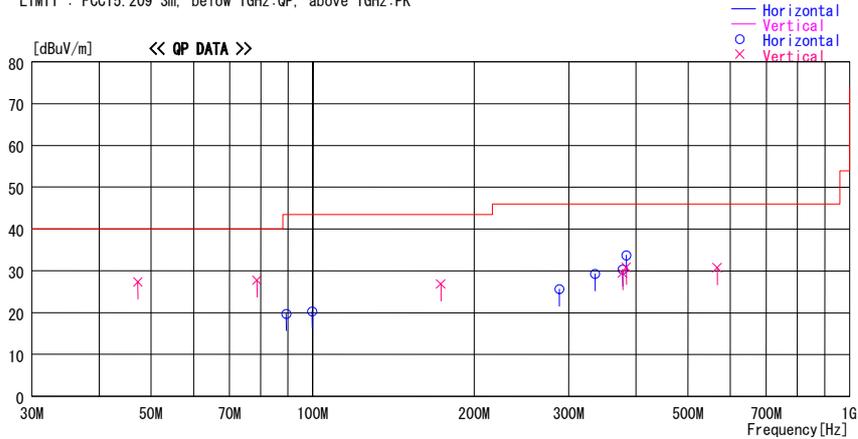
DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2008/03/17

Company : Sony Corporation
Kind of EUT : Digital Still Camera
Model No. : DKC-C300X
Serial No. : SG241-PP-00000130
Report No. : 28EE0001-HO-01
Power : AC120V / 60Hz
Temp./Humi. : 25deg. C. / 39%
Operator : Akio Hayashi

Mode / Remarks : Rx2441, EUT-axis(Hor:Z, Ver:X)

LIMIT : FCC15, 209 3m, below 1GHz:QP, above 1GHz:PK



Frequency [MHz]	Reading [dBuV]	DET	Antenna		Level [dBuV/m]	Angle [Deg]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	Comment
			Factor [dB/m]	Loss& Gain [dB]							
47.252	38.1	QP	11.0	-21.8	27.3	247	100	Vert.	46.0	12.7	
78.749	42.7	QP	6.4	-21.3	27.8	359	100	Vert.	46.0	12.3	
89.254	33.0	QP	8.0	-21.3	19.7	19	223	Hori.	43.5	23.8	
99.751	31.4	QP	9.9	-21.0	20.3	200	201	Hori.	43.5	23.2	
173.248	31.0	QP	16.0	-20.1	26.9	195	100	Vert.	43.5	16.6	
287.996	25.2	QP	19.4	-19.0	25.6	0	147	Hori.	46.0	20.4	
336.000	32.8	QP	15.6	-19.1	29.3	123	100	Hori.	46.0	16.7	
377.998	32.7	QP	16.8	-19.2	30.3	76	100	Hori.	46.0	15.7	
378.000	31.9	QP	16.8	-19.2	29.5	357	178	Vert.	46.0	16.5	
383.998	35.8	QP	17.0	-19.1	33.7	296	100	Hori.	46.0	12.3	
384.001	32.9	QP	17.0	-19.1	30.8	193	126	Vert.	46.0	15.2	
567.001	31.0	QP	18.7	-18.9	30.8	317	100	Vert.	46.0	15.3	

CHART: WITH FACTOR ANT TYPE : -30MHz LOOP, 30-300MHz BICONICAL, 300MHz-1000MHz LOGPERIODIC, 1000MHz- HORN
CALCULATION: RESULT = READING + ANT FACTOR + LOSS(CABLE+ATTEN.) - GAIN(AMP)

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

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

Company : Sony Corporation
Equipment : Digital Still Camera
Model : DKC-C300X
S/N : SG241-PP-00000130
Power : AC120V / 60Hz
Mode : Tx 2402MHz
Position : H: Z-axis, V: X-axis

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance: 3m / 1m
Date : 3/17/2008
Temperature: 25deg.C.
Humidity : 39%
Engineer : Akio Hayashi

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2376.00	45.9	42.4	26.8	32.5	3.9	0.0	-	44.1	40.6	73.9	29.8	33.3
2	2390.00	46.0	42.2	26.8	32.5	3.9	0.0	-	44.2	40.4	73.9	29.7	33.5
3**	2400.00	57.3	55.0	26.8	32.5	3.9	0.0	-	55.5	53.2	73.9	-	-
4	3204.00	39.5	43.4	28.4	32.0	4.6	0.0	-	40.5	44.4	73.9	33.4	29.5
5	4804.00	41.7	40.4	31.2	31.4	5.6	0.7	-	47.8	46.5	73.9	26.1	27.4
6	7206.00	37.2	37.3	35.5	31.0	6.3	0.6	-	48.6	48.7	73.9	25.3	25.2
7	9608.00	36.7	37.6	38.6	31.4	7.5	0.9	-	52.3	53.2	73.9	21.6	20.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
8	12010.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	14412.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	16814.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
11	19216.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
12	21618.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
13	24020.00	39.7	39.0	39.8	29.9	11.0	0.0	-	51.1	50.4	73.9	22.8	23.5

**Reference data

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2376.00	37.8	36.2	26.8	32.5	3.9	0.0	0.0	36.0	34.4	53.9	17.9	19.5
2	2390.00	34.7	33.2	26.8	32.5	3.9	0.0	0.0	32.9	31.4	53.9	21.0	22.5
3**	2400.00	45.7	43.5	26.8	32.5	3.9	0.0	0.0	43.9	41.7	53.9	-	-
4	3204.00	28.6	31.7	28.4	32.0	4.6	0.0	0.0	29.6	32.7	53.9	24.3	21.2
5	4804.00	31.3	31.5	31.2	31.4	5.6	0.7	0.0	37.4	37.6	53.9	16.5	16.3
6	7206.00	26.0	26.1	35.5	31.0	6.3	0.6	0.0	37.4	37.5	53.9	16.5	16.4
7	9608.00	26.4	26.4	38.6	31.4	7.5	0.9	0.0	42.0	42.0	53.9	11.9	11.9
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
8	12010.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
9	14412.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
10	16814.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
11	19216.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
12	21618.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
13	24020.00	27.7	27.6	39.8	29.9	11.0	0.0	0.0	39.1	39.0	53.9	14.8	14.9

**Reference data

20dBc (Fundamental 2402.0 MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit 20dBc [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
0	2402.00	99.9	97.9	26.8	32.5	3.9	0.0	-	88.6	86.6	-	-	-
3	2400.00	50.2	49.6	26.8	32.5	3.9	0.0	-	38.9	38.3	Funda-20dB	29.7	28.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

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

Company : Sony Corporation
Equipment: Digital Still Camera
Model : DKC-C300X
S/N : SG241-PP-00000130
Power : AC120V / 60Hz
Mode : Tx 2441MHz
Position : H: Z-axis, V: X-axis

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Regulation: FCC15.247(d) / RSS-210 A8.5
Test Distance: 3m / 1m
Date : 3/17/2008
Temperature: 25deg.C.
Humidity : 39%
Engineer : Akio Hayashi

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2415.30	45.4	45.4	26.9	32.5	4.0	0.0	-	43.8	43.8	73.9	30.1	30.1
2	2446.70	44.2	44.0	26.9	32.5	4.0	0.0	-	42.6	42.4	73.9	31.3	31.5
3	4882.00	39.8	42.0	31.4	31.4	5.6	0.7	-	46.1	48.3	73.9	27.8	25.6
4	7323.00	35.4	37.2	35.7	31.0	6.5	0.6	-	47.2	49.0	73.9	26.7	24.9
5	9764.00	38.0	36.5	38.7	31.4	7.6	0.9	-	53.8	52.3	73.9	20.1	21.6
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12205.00	NS	NS	40.7	33.1	5.7	0.7	-	-	-	73.9	-	-
7	14646.00	NS	NS	42.9	31.9	6.9	0.6	-	-	-	73.9	-	-
8	17087.00	NS	NS	40.1	31.8	6.4	0.6	-	-	-	73.9	-	-
9	19528.00	NS	NS	40.1	31.8	6.4	0.6	-	-	-	73.9	-	-
10	21969.00	NS	NS	40.1	31.8	6.4	0.6	-	-	-	73.9	-	-
11	24410.00	39.0	40.1	40.1	31.8	6.4	0.6	-	44.8	45.9	73.9	29.1	28.0

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2415.30	36.9	34.8	26.9	32.5	4.0	0.0	0.0	35.3	33.2	53.9	18.6	20.7
2	2446.70	35.3	34.9	26.9	32.5	4.0	0.0	0.0	33.7	33.3	53.9	20.2	20.6
3	4882.00	29.7	31.9	31.4	31.4	5.6	0.7	0.0	36.0	38.2	53.9	17.9	15.7
4	7323.00	25.7	25.8	35.7	31.0	6.5	0.6	0.0	37.5	37.6	53.9	16.4	16.3
5	9764.00	26.1	26.0	38.7	31.4	7.6	0.9	0.0	41.9	41.8	53.9	12.0	12.1
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12205.00	NS	NS	40.7	33.1	5.7	0.7	0.0	-	-	53.9	-	-
7	14646.00	NS	NS	42.9	31.9	6.9	0.6	0.0	-	-	53.9	-	-
8	17087.00	NS	NS	40.1	31.8	6.4	0.6	0.0	-	-	53.9	-	-
9	19528.00	NS	NS	40.1	31.8	6.4	0.6	0.0	-	-	53.9	-	-
10	21969.00	NS	NS	40.1	31.8	6.4	0.6	0.0	-	-	53.9	-	-
11	24410.00	30.6	30.6	40.1	31.8	6.4	0.6	0.0	36.4	36.4	53.9	17.5	17.5

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB
*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.
*In the frequency over the fifth harmonic, the noise from the EUT was not seen.The data above is its base noise.
*The limit is rounded down to one decimal place.
*The test result is round off to one or two decimal places, so some differences might be observed.

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

Company : Sony Corporation
Equipment : Digital Still Camera
Model : DKC-C300X
S/N : SG241-PP-00000130
Power : AC120V / 60Hz
Mode : Tx 2480MHz
Position : H: Z-axis, V: X-axis

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance: 3m / 1m
Date : 3/17/2008
Temperature: 25deg.C.
Humidity : 39%
Engineer : Akio Hayashi

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2483.50	56.0	53.8	27.0	32.5	4.0	0.0	-	54.5	52.3	73.9	19.4	21.6
2	2505.95	46.4	45.1	27.1	32.5	4.0	0.6	-	45.6	44.3	73.9	28.3	29.6
3	4960.00	40.8	41.8	31.5	31.4	5.6	0.7	-	47.2	48.2	73.9	26.7	25.7
4	7440.00	37.2	37.1	36.0	31.0	6.5	0.6	-	49.3	49.2	73.9	24.6	24.7
5	9920.00	36.8	37.1	38.9	31.4	7.7	0.9	-	52.9	53.2	73.9	21.0	20.7
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12400.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
7	14880.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
8	17360.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
9	19840.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
10	22320.00	NS	NS	-	-	-	-	-	-	-	73.9	-	-
11	24800.00	39.1	40.8	40.1	31.8	6.4	0.6	-	44.9	46.6	73.9	29.0	27.3

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	Dwell Factor [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR	VER						HOR	VER		HOR	VER
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss													
1	2483.50	44.1	42.0	27.0	32.5	4.0	0.0	0.0	42.6	40.5	53.9	11.3	13.4
2	2505.95	36.2	34.7	27.1	32.5	4.0	0.6	0.0	35.4	33.9	53.9	18.5	20.0
3	4960.00	31.0	30.7	31.5	31.4	5.6	0.7	0.0	37.4	37.1	53.9	16.5	16.8
4	7440.00	26.0	26.3	36.0	31.0	6.5	0.6	0.0	38.1	38.4	53.9	15.8	15.5
5	9920.00	27.2	27.3	38.9	31.4	7.7	0.9	0.0	43.3	43.4	53.9	10.6	10.5
Test distance 1meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss - Dfac													
6	12400.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
7	14880.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
8	17360.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
9	19840.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
10	22320.00	NS	NS	-	-	-	-	0.0	-	-	53.9	-	-
11	24800.00	29.8	29.8	40.1	31.8	6.4	0.6	0.0	35.6	35.6	53.9	18.3	18.3

Test Distance 1.0m : Distance Factor(Dfac) = 20log(3/1.0) = 9.54 dB

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

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

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

*The limit is rounded down to one decimal place.

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

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

Company : Sony Corporation
Equipment: Digital Still Camera
Model : DKC-C300X
S/N : SG241-PP-00000130
Power : AC120V / 60Hz
Mode : Rx 2441MHz
Position : H: Z-axis, V: X-axis

UL Japan, Inc. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Regulation : FCC15.247(d) / RSS-210 A8.5
Test Distance: 3m / 1m
Date : 3/17/2008
Temperature: 25deg.C.
Humidity : 39%
Engineer : Akio Hayashi

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit PK [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1056.10	39.2	41.1	24.5	33.6	0.5	0.0	30.6	32.5	73.9	43.3	41.4
2	1091.87	41.7	43.0	24.6	33.6	2.4	0.0	35.1	36.4	73.9	38.8	37.5
3	1626.30	42.2	42.0	25.3	32.8	3.1	0.0	37.8	37.6	73.9	36.1	36.3
4	2439.00	45.1	44.3	26.9	32.5	4.0	0.0	43.5	42.7	73.9	30.4	31.2

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

No.	FREQ [MHz]	S/A READING		ANT Factor [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	Hi-Pass Filter [dB]	RESULT		Limit AV [dBuV/m]	MARGIN	
		HOR [dBuV]	VER [dBuV]					HOR [dBuV/m]	VER [dBuV/m]		HOR [dB]	VER [dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	1056.10	29.1	30.9	24.5	33.6	0.5	0.0	20.5	22.3	53.9	33.4	31.6
2	1091.87	30.4	33.8	24.6	33.6	2.4	0.0	23.8	27.2	53.9	30.1	26.7
3	1626.30	33.3	34.0	25.3	32.8	3.1	0.0	28.9	29.6	53.9	25.0	24.3
4	2439.00	40.0	38.1	26.9	32.5	4.0	0.0	38.4	36.5	53.9	15.5	17.4

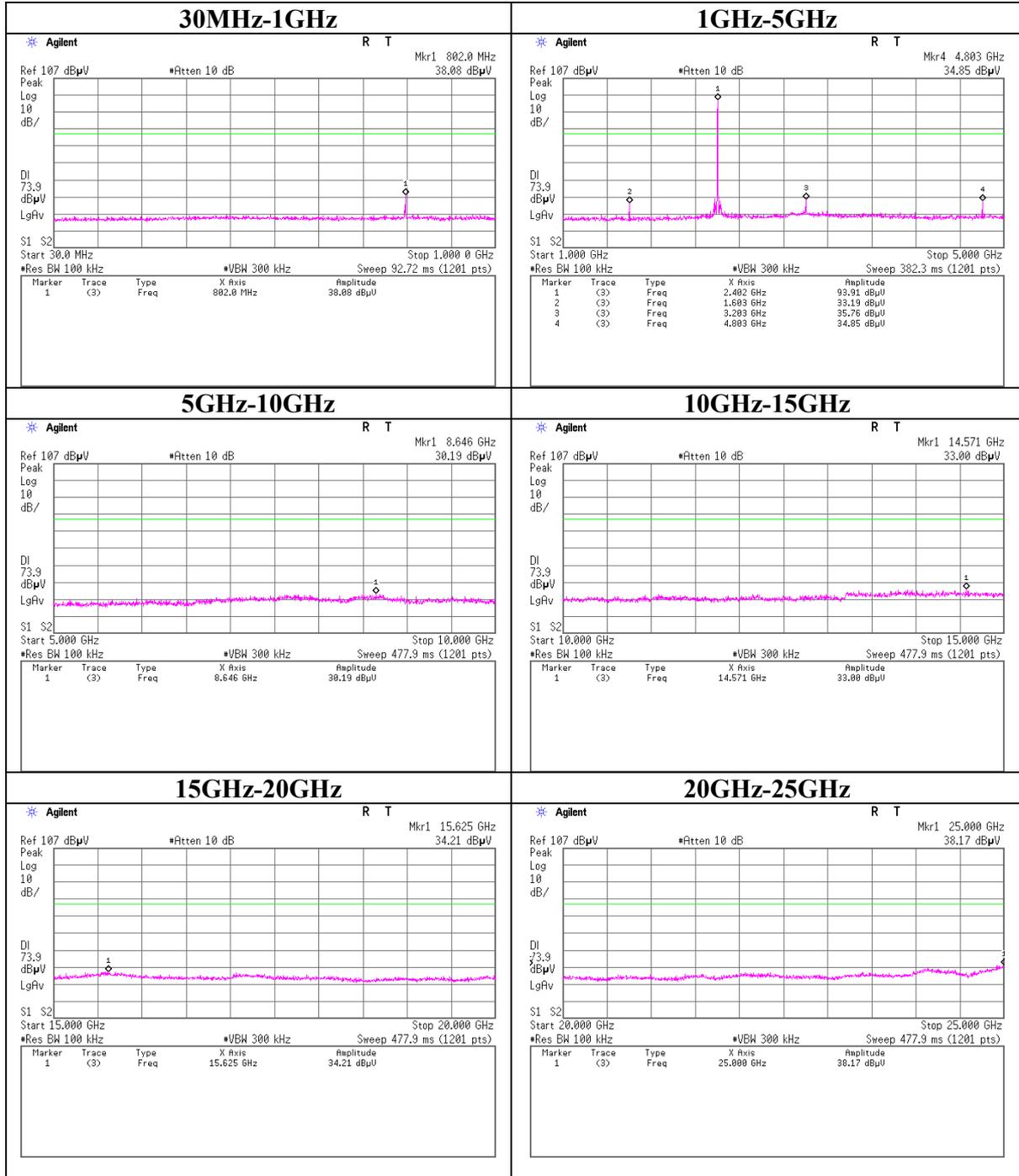
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

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

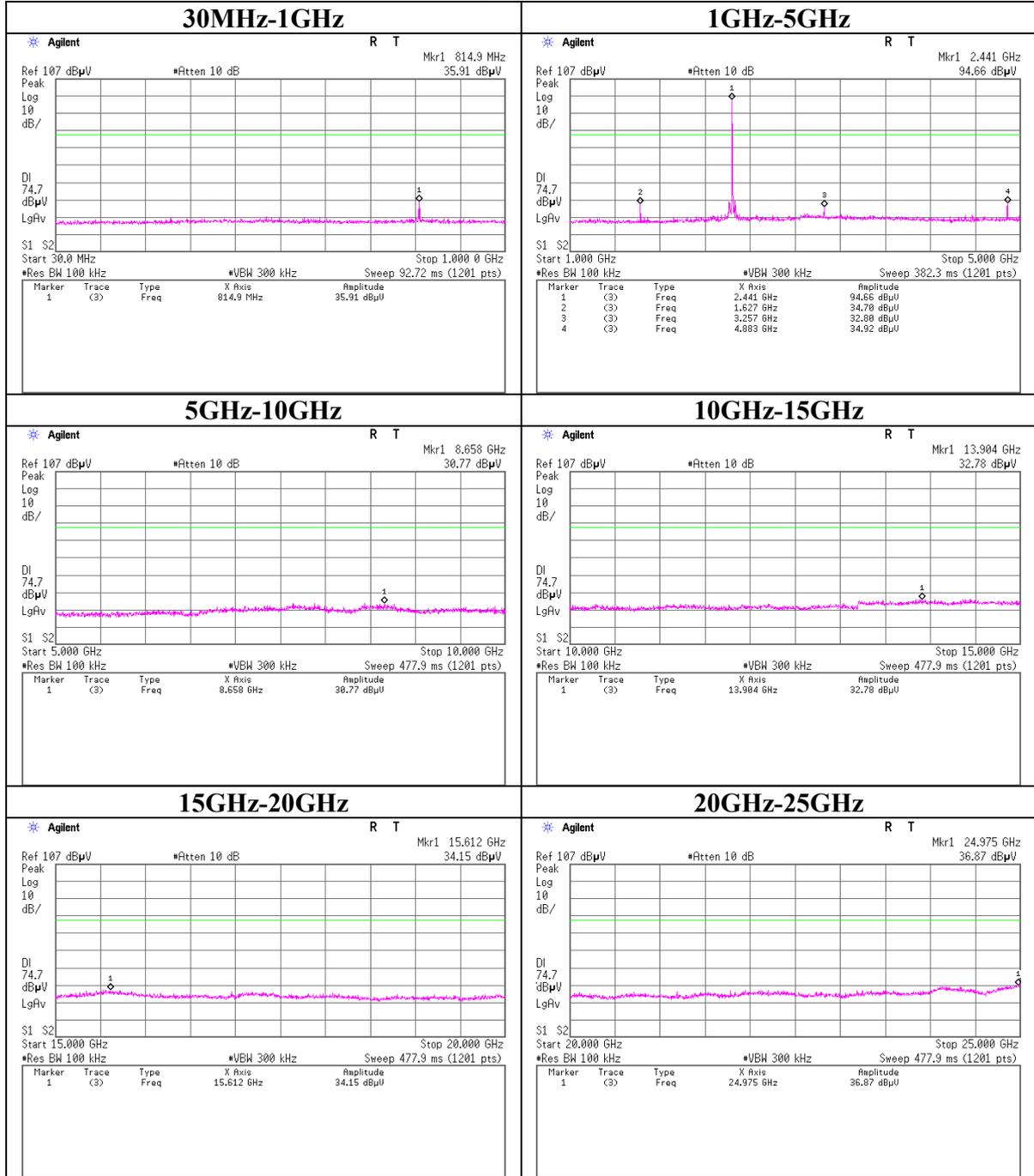
*The limit is rounded down to one decimal place.

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

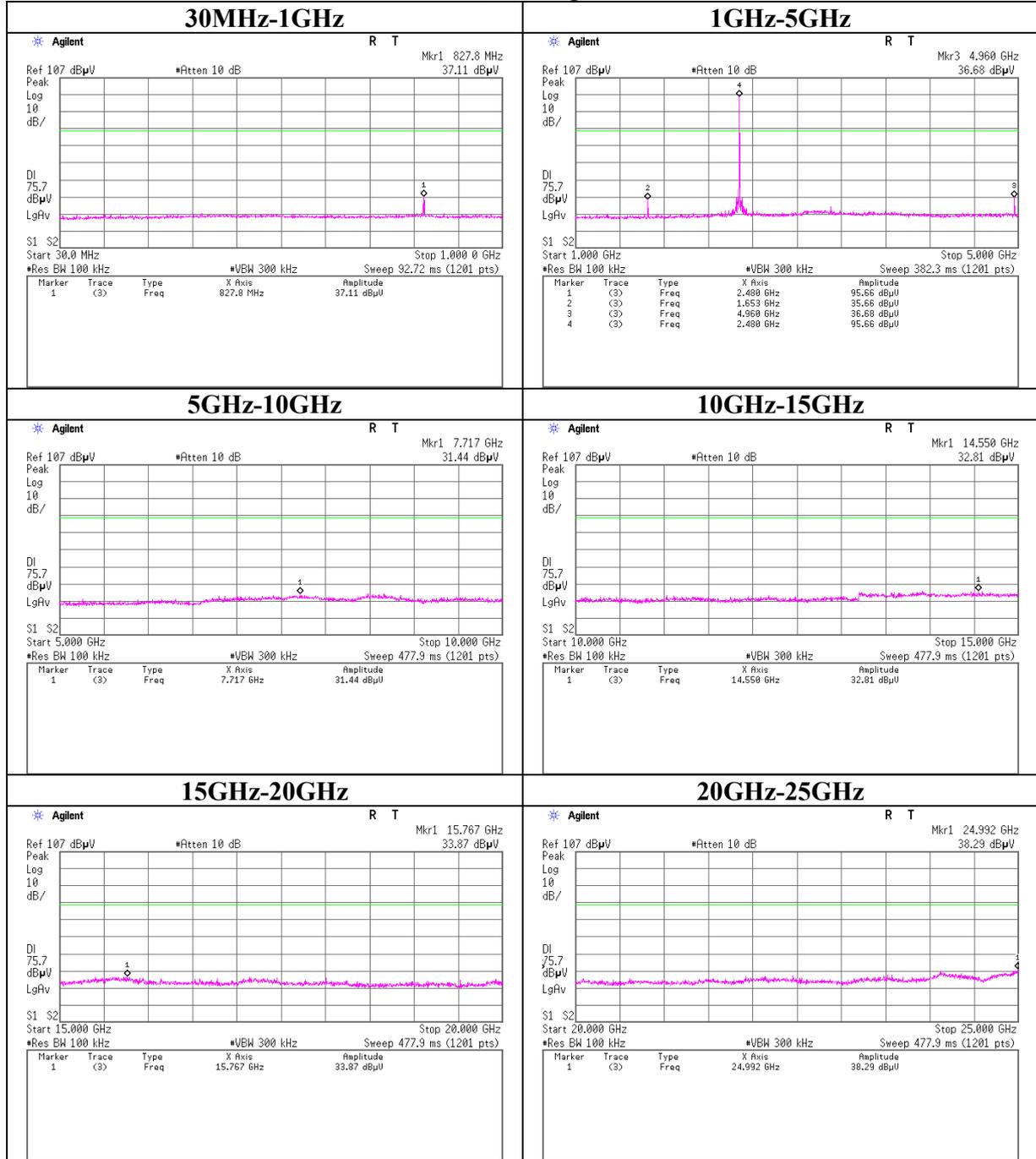
Conducted Spurious Emission
Tx, Ch. Low



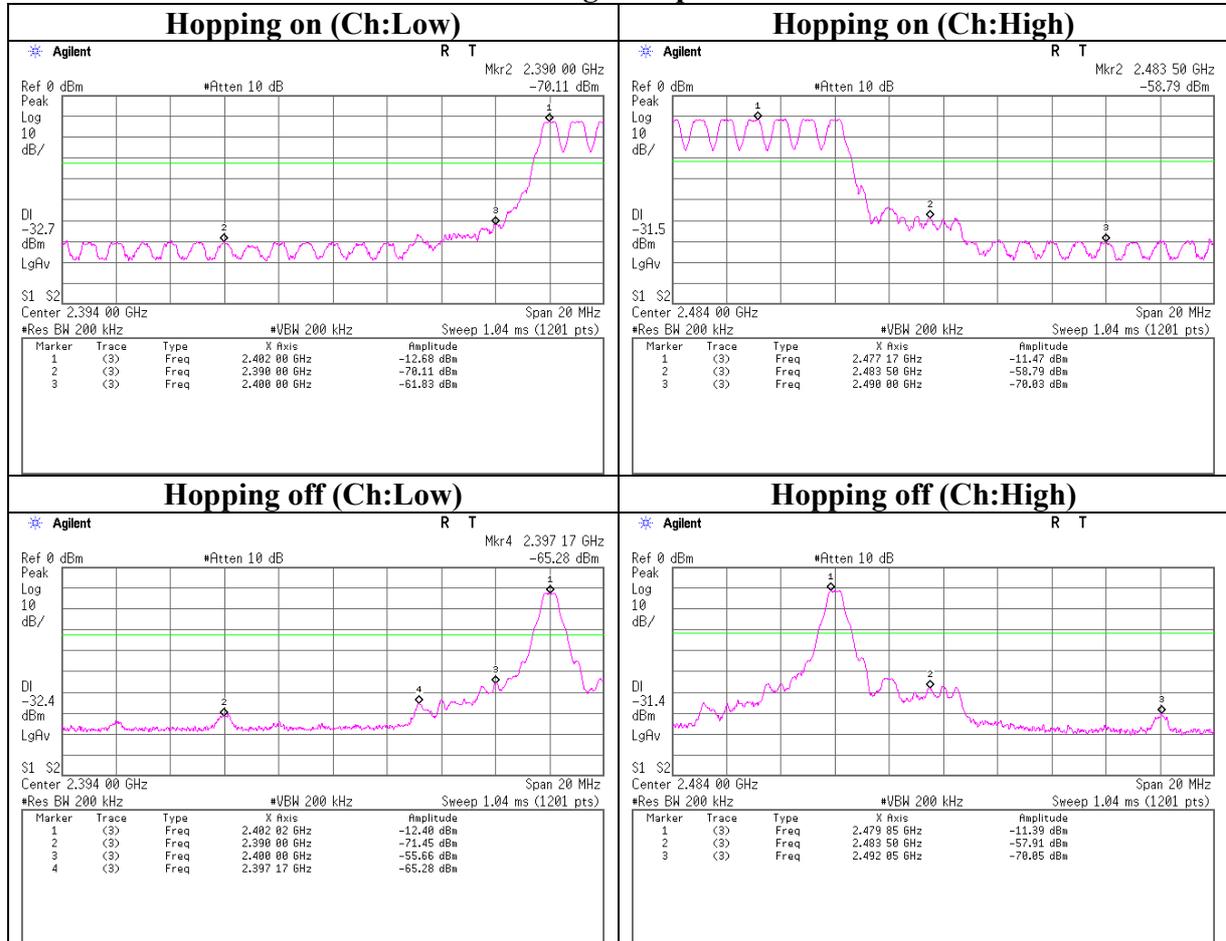
Conducted Spurious Emission
Tx, Ch. Mid



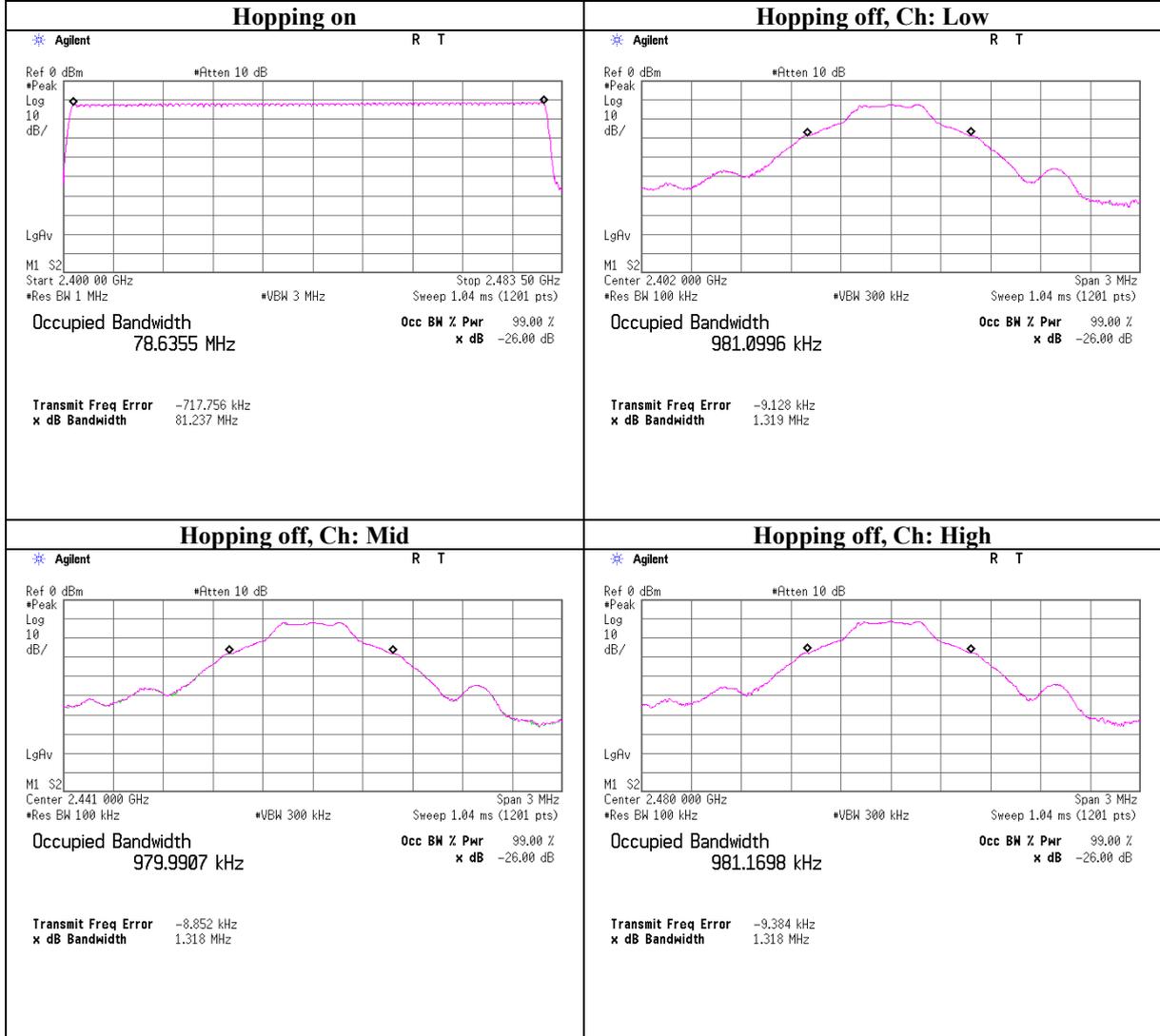
Conducted Spurious Emission
Tx, Ch. High



Conducted Spurious Emission
Band Edge compliance



99% Occupied Bandwidth



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

APPENDIX 3:Test instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
MSA-04	Spectrum Analyzer	Agilent	E4448A	AT	2007/06/20 * 12
MCC-06	Microwave Cable 1G-26.5GHz 1m	Suhner	SUCOFLEX 104	AT	2008/02/05 * 12
MAT-20	Attenuator(10dB)(above 1GHz)	HIROSE ELECTRIC CO.,LTD.	AT-110	AT	2008/01/09 * 12
MPSE-12	Power sensor	Anritsu	MA2411B	AT	2007/09/22 * 12
MPM-09	Power Meter	Anritsu	ML2495A	AT	2007/09/22 * 12
MOS-14	Thermo-Hygrometer	Custom	CTH-180	AT	2008/01/10 * 12
MAEC-01	Anechoic Chamber	TDK	Semi Anechoic Chamber 10m	CE	2007/11/23 * 12
MCC-03	Coaxial Cable	Fujikura/Suhner/Agilent/TSJ	-	CE	2007/12/27 * 12
MLS-02	LISN(AMN)	Schwarzbeck	NSLK8127	CE	2007/06/29 * 12
MOS-01	Digital Humidity Indicator	N.T	NT-1800	CE	2007/11/12 * 12
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MTR-01	Test Receiver	Rohde & Schwarz	ESI40	CE	2007/10/19 * 12
MAEC-02	Anechoic Chamber	TDK	Semi Anechoic Chamber 3m	RE	2007/04/02 * 12
MOS-22	Thermo-Hygrometer	Custom	CTH-201	RE	2007/12/27 * 12
MJM-05	Measure	PROMART	SEN1955	RE	-
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/10/21 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/10/21 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2007/11/13 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2008/02/15 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2007/09/13 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE	2007/03/01 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2008/01/19 * 12
MHA-02	Horn Antenna	EMCO	3160-09	RE	2008/01/19 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2008/02/08 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/08/28 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2007/09/27 * 12
MHF-18	High Pass Filter 3.5-18.0GHz	TOKIMEC	TF323DCA	RE	2007/12/10 * 12
MCC-77	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2007/12/26 * 12
MRENT-62	Spectrum Analyzer	Agilent	E4448A	RE	2007/11/27 * 12

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FCC ID : AK8DKCC300X

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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