APPENDIX 2: Data of EMI test

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

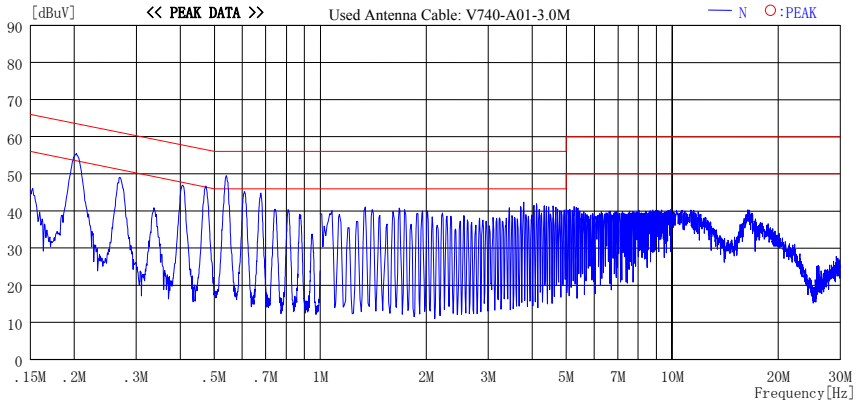
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/08/03 14:53:25

Company : OMRON Corporation
Kind of EUT : RF ID System (RFID Reader/Writer / Antenna)
Model No. : V750-BA50C04-US/ / V750-HS01CA
Serial No. : RF-DS-06001 / P6010047

Report No. : 26LE0001-HO
Power : AC 120V/ 60Hz
Temp./Humi. : 24 deg.C / 61%
Operator : Yutaka Yoshida

Mode / Remarks : Tx (hopping off):ch1(902.75MHz)

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



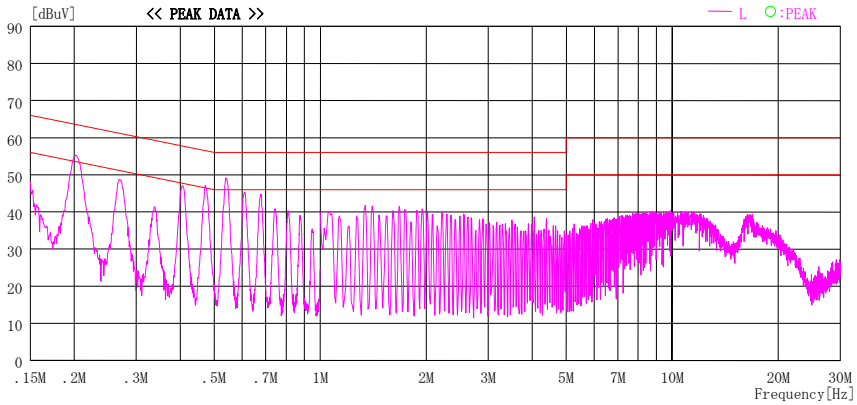


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

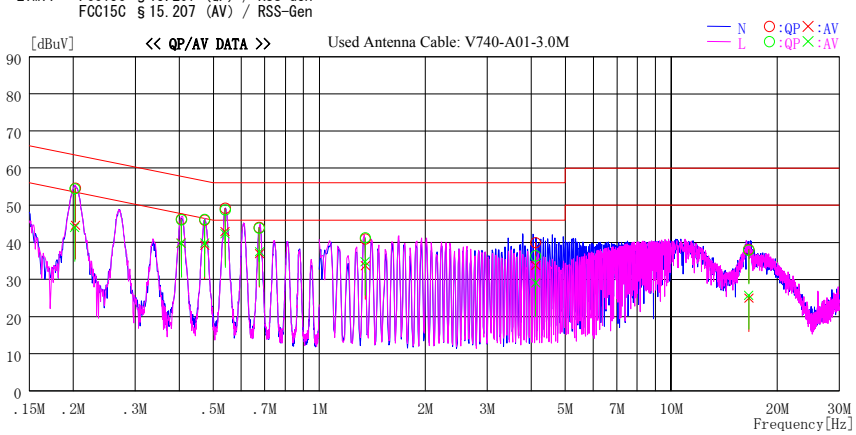
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/08/03 14:45:08

Company : OMRON Corporation
Kind of EUT : RF ID System (RFID Reader/Writer / Antenna)
Model No. : V750-BA50C04-US / V750-HS01CA
Serial No. : RF-DS-06001 / P6010047

Report No. : 26LE0001-HO
Power : AC 120V/ 60Hz
Temp./Humi. : 24 deg.C / 61%
Operator : Yutaka Yoshida

Mode / Remarks : Tx (hopping off):ch25(914.75MHz)

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



Frequency	Reading Level QP	Reading Level AV	Corr. Factor	Results QP	Results AV	Limit QP	Limit AV	Margin QP	Margin AV	Phase	Comment
[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dB]	[dB]		
0.20300	54.3	44.3	0.3	54.6	44.6	63.5	53.5	8.9	8.9	N	
0.40553	45.9	39.4	0.4	46.3	39.8	57.7	47.7	11.4	7.9	N	
0.47287	45.6	38.8	0.4	46.0	39.2	56.5	46.5	10.5	7.3	N	
0.54012	48.8	42.5	0.4	49.2	42.9	56.0	46.0	6.8	3.1	N	
0.67590	43.6	36.6	0.4	44.0	37.0	56.0	46.0	12.0	9.0	N	
1.35071	40.4	33.2	0.5	40.9	33.7	56.0	46.0	15.1	12.3	N	
4.11859	39.1	33.0	0.8	39.9	33.8	56.0	46.0	16.1	12.2	N	
16.62015	36.2	23.1	1.9	38.1	25.0	60.0	50.0	21.9	25.0	N	
0.20185	54.2	43.7	0.3	54.5	44.0	63.5	53.5	9.0	9.5	L	
0.40548	45.7	39.3	0.4	46.1	39.7	57.7	47.7	11.6	8.0	L	
0.47248	45.8	39.4	0.4	46.2	39.8	56.5	46.5	10.3	6.7	L	
0.54033	48.3	41.9	0.4	48.7	42.3	56.0	46.0	7.3	3.7	L	
0.67564	43.4	37.0	0.4	43.8	37.4	56.0	46.0	12.2	8.6	L	
1.35001	40.8	34.3	0.5	41.3	34.8	56.0	46.0	14.7	11.2	L	
4.11781	35.6	28.3	0.8	36.4	29.1	56.0	46.0	19.6	16.9	L	
16.60015	36.0	23.8	1.9	37.9	25.7	60.0	50.0	22.1	24.3	L	

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

Conducted Emission

DATA OF CONDUCTED EMISSION TEST

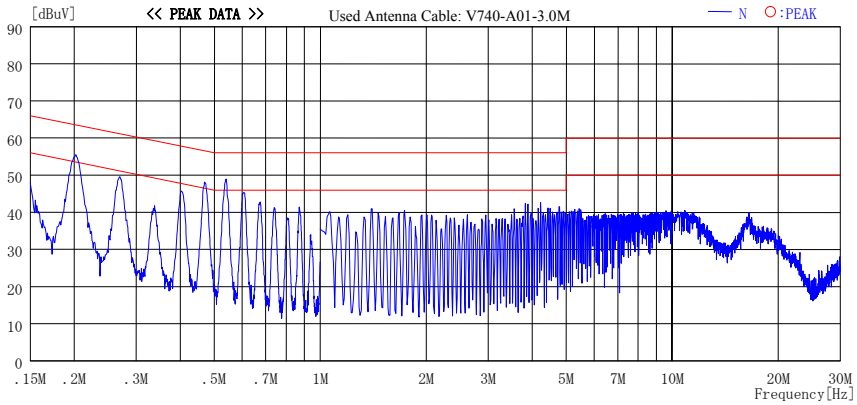
UL Apex Co., Ltd. Head Office EMC Lab. No.2 Semi Anechoic Chamber
Date : 2006/08/03 14:57:48

Company : OMRON Corporation
Kind of EUT : RF ID System (RFID Reader/Writer / Antenna)
Model No. : V750-BA50C04-US / V750-HS01CA
Serial No. : RF-DS-06001 / P6010047

Report No. : 26LE0001-HO
Power : AC 120V/ 60Hz
Temp./Humi. : 24 deg.C / 61%
Operator : Yutaka Yoshida

Mode / Remarks : Tx (hopping off):ch50(927.25MHz)

LIMIT : FCC15C §15.207 (QP) / RSS-Gen
FCC15C §15.207 (AV) / RSS-Gen



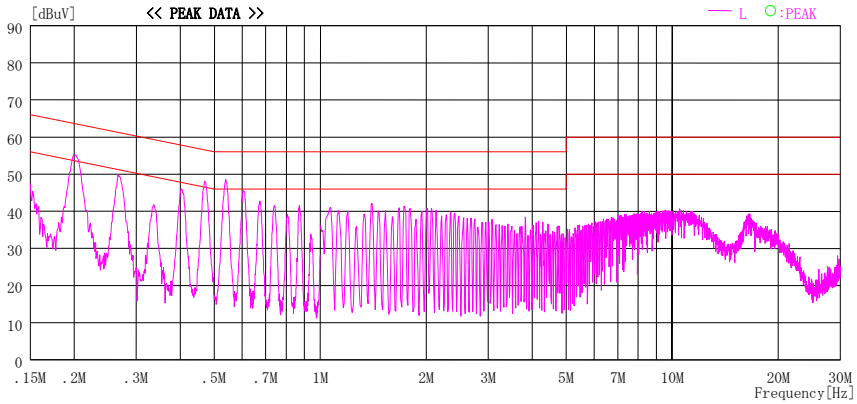


CHART:WITH FACTOR,Peak hold data.Data is uncorrected. CALCURATION:RESULT=READING+C.F(LISN LOSS+CABLE LOSS)
Except for the above table : adequate margin data below the limits.

Carrier Frequency Separation

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

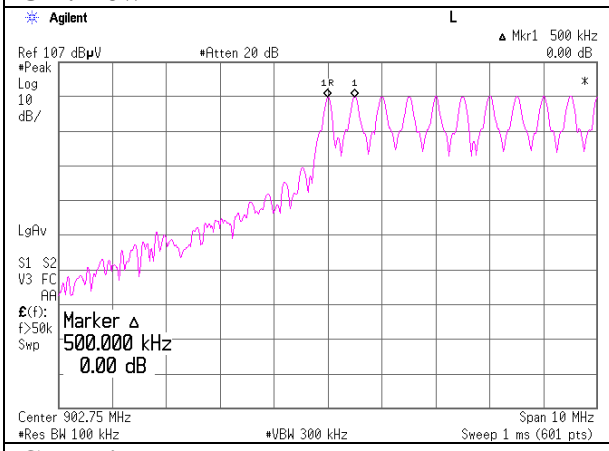
COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RF ID System (RFID Reader/Writer / Antenna Cable	REGULATION	: FCC Part15C 15.247(a)(1)
MODEL	: V750-BA50C04-US / V740-A01-3.0M	DATE	: August 4, 2006
S/ N	: RF-DS-06001 / -	TEMPERATURE	: 25deg.C
POWER	: AC120V/60Hz	HUMIDITY	: 56%
MODE	: Transmitting (Hopping On)	ENGINEER	: Makoto Kosaka

(S/A :span 10MHz, RBW 100kHz ,VBW 300kHz, sweep time AUTO)

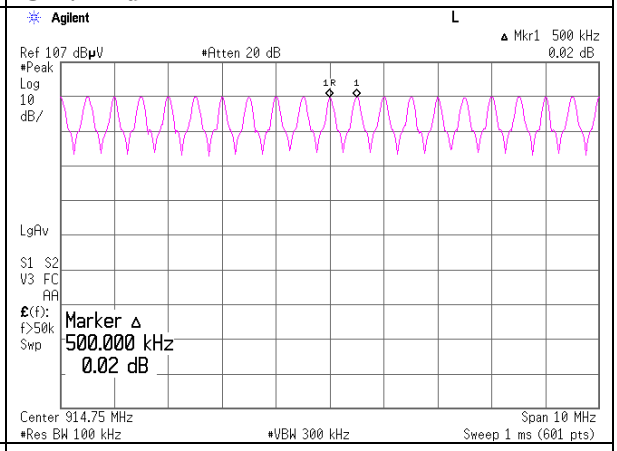
CH	FREQ [MHz]	Channel separation [MHz]	Limit
Low	902.750	0.50	>20dB Bandwidth and 25[kHz]
Mid	914.750	0.50	>20dB Bandwidth and 25[kHz]
High	927.250	0.50	>20dB Bandwidth and 25[kHz]

Carrier Frequency Separation

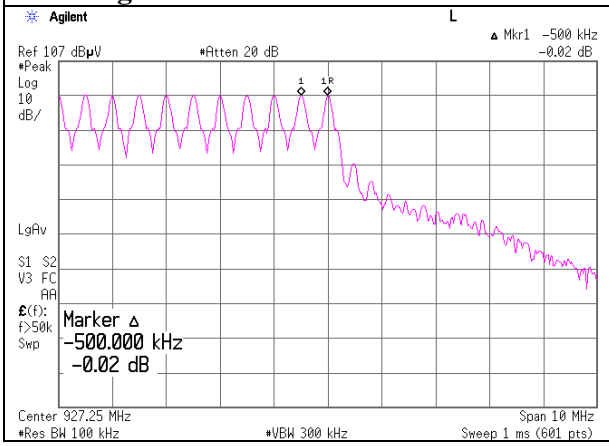
Ch : Low



Ch : Mid



Ch : High



20dB Bandwidth

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

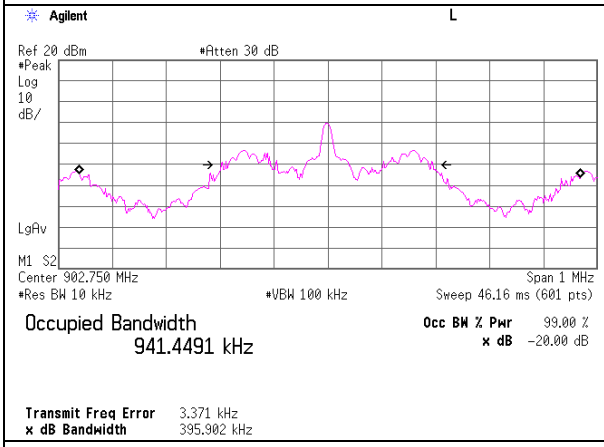
COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RF ID System (RFID Reader/Writer / Antenna Cable)	REGULATION	: FCC Part15C 15.247(a)(1)(i)
MODEL	: V750-BA50C04-US / V740-A01-3.0M	DATE	: August 4, 2006
S/ N	: RF-DS-06001 / -	TEMPERATURE	: 25deg.C
POWER	: AC120V/60Hz	HUMIDITY	: 56%
MODE	: Transmitting (Hopping Off)	ENGINEER	: Makoto Kosaka

PK DETECT(S/A: span 1MHz, RBW 10kHz ,VBW 100kHz, sweep time AUTO)

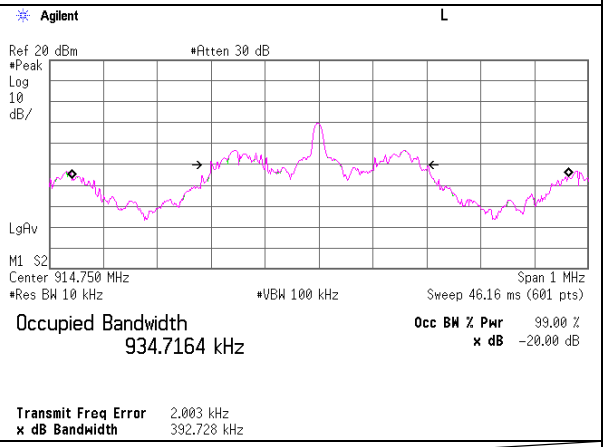
CH	FREQ [MHz]	20dB Bandwidth [MHz]	Limit [MHz]
Low	902.750	0.396	0.5
Mid	914.750	0.393	0.5
High	927.250	0.400	0.5

20dB Bandwidth

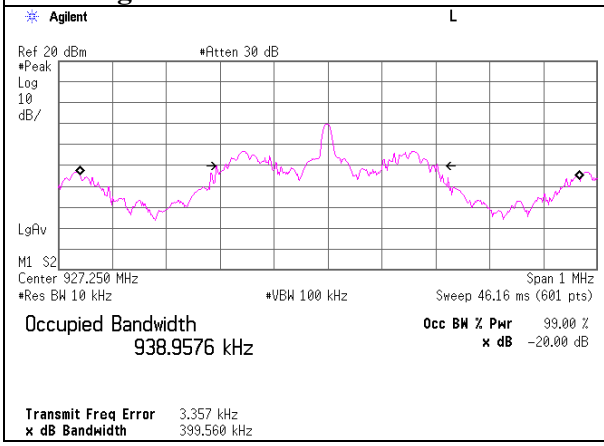
Ch : Low



Ch : Mid



Ch : High



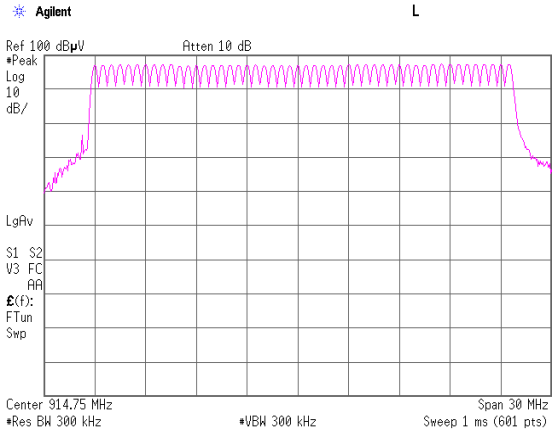
Number of Hopping Frequency

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RF ID System (RFID Reader/Writer / Antenna Cable)	REGULATION	: FCC Part15C 15.247(a)(1)(i)
MODEL	: V750-BA50C04-US / V740-A01-3.0M	DATE	: August 4, 2006
S/ N	: RF-DS-06001 / -	TEMPERATURE	: 25deg.C
POWER	: AC120V/60Hz	HUMIDITY	: 56%
MODE	: Transmitting (Hopping On)	ENGINEER	: Makoto Kosaka

(S/A : RBW 300kHz ,VBW 300kHz, sweep time AUTO)

Mode	Number of channel [time]	Limit [time]
Tx(Hoppng on)	50	≧50



Dwell time

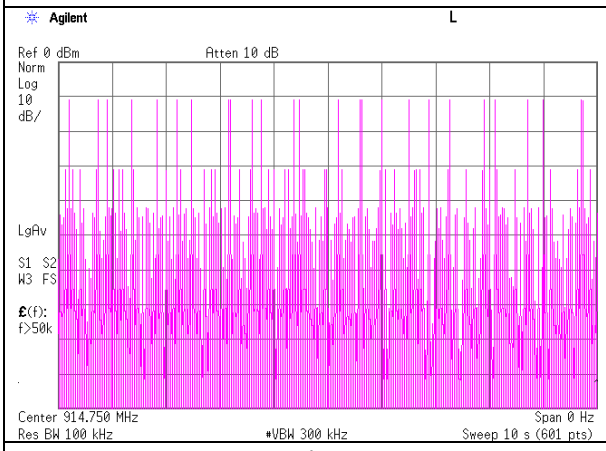
UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RF ID System (RFID Reader/Writer / Antenna Cable)	REGULATION	: FCC Part15C 15.247(a)(1)(i)
MODEL	: V750-BA50C04-US / V740-A01-3.0M	DATE	: August 7, 2006
S/ N	: RF-DS-06001 / -	TEMPERATURE	: 25deg.C
POWER	: AC120V/60Hz	HUMIDITY	: 61%
MODE	: Transmitting (Hopping On)	ENGINEER	: Makoto Kosaka

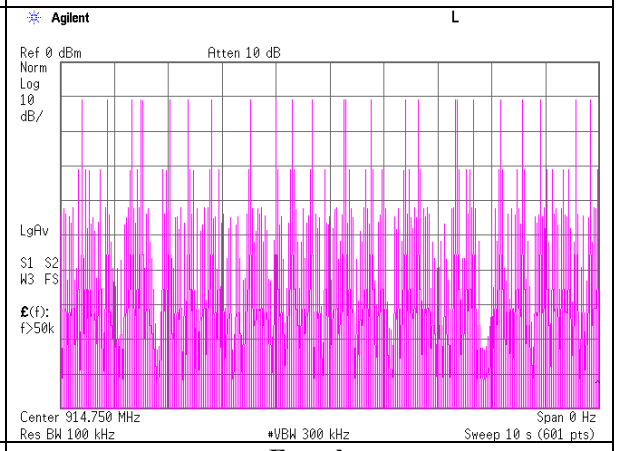
times	Number of Hoppings/ 10sec	Length of transmission time [msec]	Dwell time [msec]	Result [msec]	Limit [msec]
1	26	5.1	24.6* 5.1	125.46	400
2	25				
3	24				
4	25				
5	23				
Averege	24.6				

Dwell time

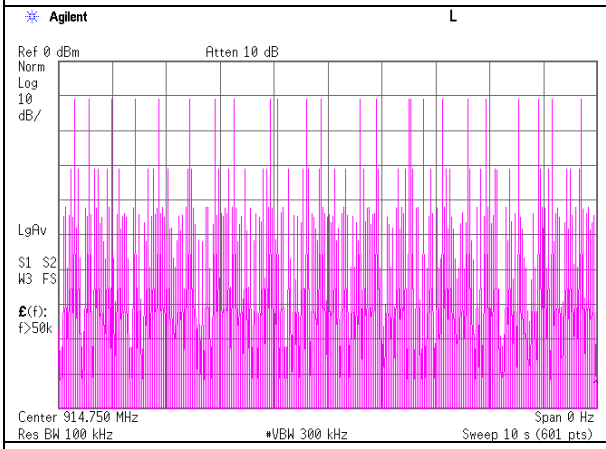
First



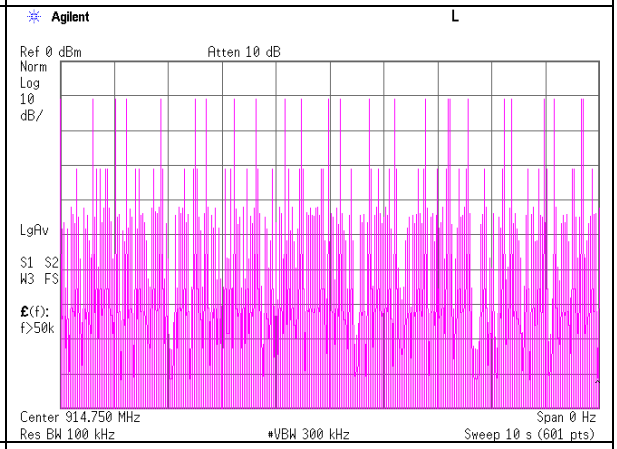
Second



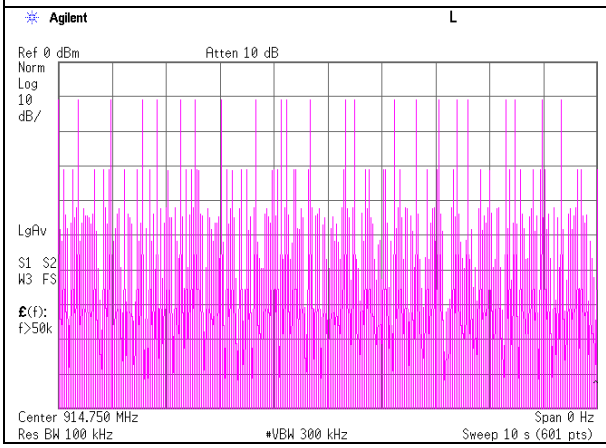
Third



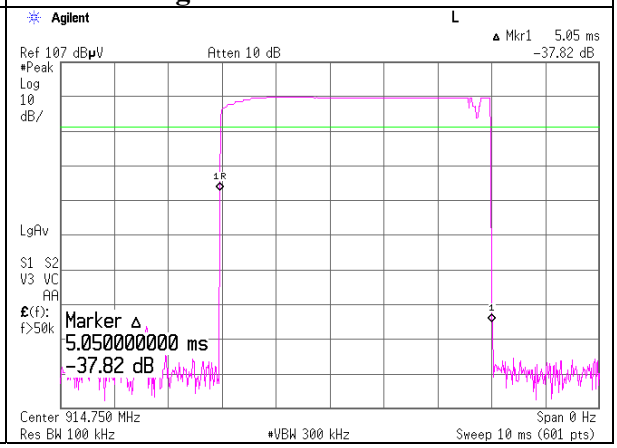
Fourth



Fifth



Length of transmission time



Maximum Peak Output Power & Variation of Input AC Power

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RF ID System (RFID Reader/Writer / Antenna Cable)	REGULATION	: FCC Part 15C 15.247(b)(2)
MODEL	: V750-BA50C04-US / V740-A01-3.0M	TEST DISTANCE	: -
S/ N	: RF-DS-06001 / -	DATE	: August 8, 2006
POWER	: AC120V/60Hz	Temperature	: 24deg.C
Mode	: Transmitting (Hopping Off)	Humidity	: 65%
		ENGINEER	: Makoto Kosaka

AC102V/60Hz 85%

CH	FREQ [MHz]	Power Meter Reading [dBm]	Attn [dB]	Result [dBm]	Limit [1.0W] [dBm]
Low	902.75	-10.28	40.00	29.72	30.00
Mid	914.75	-10.37	40.00	29.63	30.00
High	927.25	-10.20	40.00	29.80	30.00

AC120V/60Hz 100%

CH	FREQ [MHz]	Power Meter Reading [dBm]	Attn [dB]	Result [dBm]	Limit [1.0W] [dBm]
Low	902.75	-10.48	40.00	29.52	30.00
Mid	914.75	-10.45	40.00	29.55	30.00
High	927.25	-10.25	40.00	29.75	30.00

AC138V/60Hz 115%

CH	FREQ [MHz]	Power Meter Reading [dBm]	Attn [dB]	Result [dBm]	Limit [1.0W] [dBm]
Low	902.75	-10.30	40.00	29.70	30.00
Mid	914.75	-10.44	40.00	29.56	30.00
High	927.25	-10.27	40.00	29.73	30.00

Sample Calculation:
Result = Power Meter Reading + Attenuator
Used Equipment: MAT-16, MRENT-33, MRENT-36
*The resulut value was calcuated with "particular connector + OMRON special cable" terminal.
<The specification of OMRON special cable>
Model Name: V740-A01-3.0M
Cable Loss: 1.5dB

Maximum Peak Output Power & Variation of Input AC Power

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RF ID System (RFID Reader/Writer / Antenna Cable)	REGULATION	: FCC Part 15C 15.247(b)(2)
MODEL	: V750-BA50C04-US / V740-A01-10M	TEST DISTANCE	: -
S/ N	: RF-DS-06001 / -	DATE	: August 8, 2006
POWER	: AC120V/60Hz	Temperature	: 24deg.C
Mode	: Transmitting (Hopping Off)	Humidity	: 65%
		ENGINEER	: Makoto Kosaka

AC102V/60Hz 85%

CH	FREQ [MHz]	Power Meter Reading [dBm]	Attn [dB]	Result [dBm]	Limit [1.0W] [dBm]
Low	902.75	-10.39	40.00	29.61	30.00
Mid	914.75	-10.48	40.00	29.52	30.00
High	927.25	-10.33	40.00	29.67	30.00

AC120V/60Hz 100%

CH	FREQ [MHz]	Power Meter Reading [dBm]	Attn [dB]	Result [dBm]	Limit [1.0W] [dBm]
Low	902.75	-10.4	40.00	29.60	30.00
Mid	914.75	-10.55	40.00	29.45	30.00
High	927.25	-10.37	40.00	29.63	30.00

AC138V/60Hz 115%

CH	FREQ [MHz]	Power Meter Reading [dBm]	Attn [dB]	Result [dBm]	Limit [1.0W] [dBm]
Low	902.75	-10.4	40.00	29.60	30.00
Mid	914.75	-10.52	40.00	29.48	30.00
High	927.25	-10.36	40.00	29.64	30.00

Sample Calculation:
Result = Power Meter Reading + Attenuator
Used Equipment: MAT-16, MRENT-33, MRENT-36
*The resulut value was calcuated with "particular connector + OMRON special cable" terminal.
<The specification of OMRON special cable>
Model Name: V740-A01-10M
Cable Loss: 1.5dB

Radiated Spurious Emission (30MHz to 1GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: OMRON Corporation	REPORT NO	: 26LE0001-HO
Equipment	: RFID System	REGULATION	: Fcc Part15 Subpart C 15.247(d)
	(Reader/Writer, Antenna)	TEST DISTANCE	: 3m
Model	: V750-BA50C04-US, V750-HS01CA	DATE	: August 02, 2006
Sample No.	: RF-DS-06001, P6010047	TEMPERATURE	: 26deg.C
Power	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch1 : 902.75MHz	ENGINEER	: Yutaka Yoshida

QP DETECT (BW:120kHz)

No.	FREQ	T/R READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	QP	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	50.5	25.8	45.1	10.0	28.7	9.8	0.0	16.9	36.2	40.0	23.1	3.8
2	125.0	33.2	40.2	13.0	28.6	10.6	0.0	28.2	35.2	43.5	15.3	8.3
3	250.0	44.4	37.4	17.1	28.0	11.2	0.0	44.7	37.7	46.0	1.3	8.3

20dBc(Fundamental 927.322MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	902.7	115.1	113.6	20.9	27.9	19.4	0.0	127.5	126.0	-	-	-
2	375.0	44.8	40.5	17.0	28.1	17.6	0.0	51.3	47.0	Funda-20dB	56.2	59.0
3	440.0	38.5	36.8	17.8	28.5	17.8	0.0	45.6	43.9	Funda-20dB	61.9	62.1
4	500.0	37.8	37.4	17.8	28.9	17.9	0.0	44.6	44.2	Funda-20dB	62.9	61.8
5	562.5	39.9	38.4	18.7	28.7	18.2	0.0	48.1	46.6	Funda-20dB	59.4	59.4
6	600.0	38.3	37.2	19.2	28.6	18.4	0.0	47.3	46.2	Funda-20dB	60.2	59.8
7	625.0	38.4	37.3	19.6	28.7	18.4	0.0	47.7	46.6	Funda-20dB	59.8	59.4
8	902.0	90.6	88.9	20.9	27.9	19.4	0.0	103.0	101.3	Funda-20dB	4.5	4.7

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (30MHz to 1GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: OMRON Corporation	REPORT NO	: 26LE0001-HO
Equipment	: RFID System	REGULATION	: Fcc Part15 Subpart C 15.247(d)
	(Reader/Writer, Antenna)	TEST DISTANCE	: 3m
Model	: V750-BA50C04-US, V750-HS01CA	DATE	: August 02, 2006
Sample No.	: RF-DS-06001, P6010047	TEMPERATURE	: 26deg.C
Power	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch25 : 914.75MHz	ENGINEER	: Yutaka Yoshida

QP DETECT (BW:120kHz)

No.	FREQ	T/R READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	QP	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	52.1	28.0	43.0	9.7	28.8	9.8	0.0	18.7	33.7	40.0	21.3	6.3
2	73.2	35.7	42.5	6.5	28.5	10.1	0.0	23.8	30.6	40.0	16.2	9.4
3	88.5	34.5	33.9	7.7	28.7	10.3	0.0	23.8	23.2	43.5	19.7	20.3
4	125.0	40.5	46.0	13.0	28.6	10.6	0.0	35.5	41.0	43.5	8.0	2.5
5	250.0	41.4	35.9	17.1	28.0	11.2	0.0	41.7	36.2	46.0	4.3	9.8

20dBc(Fundamental 927.322MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	914.7	116.0	115.1	21.3	27.7	19.4	0.0	129.0	128.1	-	-	-
2	375.0	46.5	37.9	17.0	28.1	17.6	0.0	53.0	44.4	Funda-20dB	56.0	63.7
3	440.0	34.6	35.7	17.8	28.5	17.8	0.0	41.7	42.8	Funda-20dB	67.3	65.3
4	562.5	36.4	35.2	18.7	28.7	18.2	0.0	44.6	43.4	Funda-20dB	64.4	64.7
5	625.0	39.1	38.3	19.6	28.7	18.4	0.0	48.4	47.6	Funda-20dB	60.6	60.5
6	875.0	33.0	33.8	20.9	27.8	19.3	0.0	45.4	46.2	Funda-20dB	63.6	61.9

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (30MHz to 1GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: OMRON Corporation	REPORT NO	: 26LE0001-HO
Equipment	: RFID System	REGULATION	: Fcc Part15 Subpart C 15.247(d)
	(Reader/Writer, Antenna)	TEST DISTANCE	: 3m
Model	: V750-BA50C04-US, V750-HS01LA	DATE	: August 02, 2006
Sample No.	: RF-DS-06001, P0605002	TEMPERATURE	: 26deg.C
Power	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch25 : 914.75MHz	ENGINEER	: Yutaka Yoshida

QP DETECT (BW:120kHz)

No.	FREQ	T/R READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	QP	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	49.0	26.8	37.8	9.8	28.8	9.8	0.0	17.6	28.6	40.0	22.4	11.4
2	125.0	31.2	33.9	13.0	28.6	10.6	0.0	26.2	28.9	43.5	17.3	14.6
3	250.0	39.1	34.0	17.1	28.0	11.2	0.0	39.4	34.3	46.0	6.6	11.7

20dBc(Fundamental 927.322MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	914.7	117.5	102.8	21.3	27.7	19.4	0.0	130.5	115.8	-	-	-
2	375.0	43.9	39.5	17.0	28.1	17.6	0.0	50.4	46.0	Funda-20dB	60.1	49.8

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (30MHz to 1GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chambe

Company	: OMRON Corporation	REPORT NO	: 26LE0001-HO
Equipment	: RFID System	REGULATION	: Fcc Part15 Subpart C 15.247(d)
	(Reader/Writer, Antenna)	TEST DISTANCE	: 3m
Model	: V750-BA50C04-US, V750-HS01CA	DATE	: August 02, 2006
Sample No.	: RF-DS-06001, P6010047	TEMPERATURE	: 26deg.C
Power	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch50 : 927.25MHz	ENGINEER	: Yutaka Yoshida

QP DETECT (BW:120kHz)

No.	FREQ	T/R READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	QP	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	50.0	31.9	47.5	10.1	28.7	9.8	0.0	23.1	38.7	40.0	16.9	1.3
2	125.0	35.2	37.8	13.0	28.6	10.6	0.0	30.2	32.8	43.5	13.3	10.7
3	250.0	38.4	33.4	17.1	28.0	11.2	0.0	38.7	33.7	46.0	7.3	12.3

20dBc(Fundamental 927.322MHz) (RBW: 100kHz, VBW: 300kHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	Hi-Pass	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS	Filter	HOR	VER	20dBc	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	[dB]
Test distance 3meters RESULT=Reading + ANT Factor - Amp Gain + Cable Loss + Filter Loss												
1	927.2	115.4	114.3	21.7	27.6	19.4	0.0	128.9	127.8	-	-	-
2	375.0	41.4	38.5	17.0	28.1	17.6	0.0	47.9	45.0	Funda-20dB	61.0	62.8
3	440.0	37.2	37.0	17.8	28.5	17.8	0.0	44.3	44.1	Funda-20dB	64.6	63.7
4	500.0	40.4	39.7	17.9	28.9	17.9	0.0	47.3	46.6	Funda-20dB	61.6	61.2
5	562.5	38.7	37.5	18.7	28.7	18.2	0.0	46.9	45.7	Funda-20dB	62.0	62.1
6	600.0	39.6	38.0	19.2	28.6	18.4	0.0	48.6	47.0	Funda-20dB	60.3	60.8
7	625.0	34.7	37.8	19.6	28.7	18.4	0.0	44.0	47.1	Funda-20dB	64.9	60.7
8	928.0	91.9	90.4	21.7	27.6	19.4		105.4	103.9	Funda-20dB	3.5	3.9

*Except for the above table : All other spurious emissions were less than 20dB for the limit.
*The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
*Hi-Pass Fiter was not used for factor 0.0dB of the above table.

Radiated Spurious Emission (1GHz to 10GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RFID System (Reader/Writer, Antenna)	REGULATION	: Fcc Part15 Subpart C 15.247(d)
		TEST DISTANCE	: 3m
MODEL	: V750-BA50C04-US, V750-HS01CA	DATE	: August 02, 2006
SAMPLE No.	: RF-DS-06001, P6010047	TEMPERATURE	: 26deg.C
POWER	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch1 : 902.75MHz	ENGINEER	: Yutaka Yoshida

PK DETECT(S/A : RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1805.4	55.9	61.0	28.8	32.6	4.0	0.0	0.6	-	56.7	61.8	74.0	17.3	12.2
2	2708.2	50.8	51.4	31.1	32.3	3.6	0.0	0.6	-	53.8	54.4	74.0	20.2	19.6
3	3611.0	47.2	51.5	31.8	32.0	4.0	0.0	0.4	-	51.4	55.7	74.0	22.6	18.3
4	4513.8	46.5	46.7	33.9	31.9	4.5	0.0	0.5	-	53.5	53.7	74.0	20.5	20.3
5	5416.5	42.4	43.6	36.4	31.8	5.0	0.0	0.4	-	52.4	53.6	74.0	21.6	20.4
6	6319.2	44.7	47.1	36.9	31.4	5.3	0.0	0.3	-	55.8	58.2	74.0	18.2	15.8
7	7222.0	40.9	42.7	37.6	31.5	5.7	0.0	0.3	-	53.0	54.8	74.0	21.0	19.2
8	8124.8	43.0	45.1	37.0	31.5	5.9	0.0	0.6	-	55.0	57.1	74.0	19.0	16.9
9	9027.5	41.2	42.1	37.0	31.8	6.3	0.0	0.6	-	53.3	54.2	74.0	20.7	19.8

AV DETECT(S/A : RBW 1MHz and VBW 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1805.4	47.4	52.0	28.8	32.6	4.0	0.0	0.6	-	48.2	52.8	54.0	5.8	1.2
2	2708.2	43.4	43.4	31.1	32.3	3.6	0.0	0.6	-	46.4	46.4	54.0	7.6	7.6
3	3611.0	38.0	44.8	31.8	32.0	4.0	0.0	0.4	-	42.2	49.0	54.0	11.8	5.0
4	4513.8	37.6	40.0	33.9	31.9	4.5	0.0	0.5	-	44.6	47.0	54.0	9.4	7.0
5	5416.5	31.1	33.0	36.4	31.8	5.0	0.0	0.4	-	41.1	43.0	54.0	12.9	11.0
6	6319.2	35.8	39.8	36.9	31.4	5.3	0.0	0.3	-	46.9	50.9	54.0	7.1	3.1
7	7222.0	27.6	30.3	37.6	31.5	5.7	0.0	0.3	-	39.7	42.4	54.0	14.3	11.6
8	8124.8	31.9	36.5	37.0	31.5	5.9	0.0	0.6	-	43.9	48.5	54.0	10.1	5.5
9	9027.5	28.7	31.1	37.0	31.8	6.3	0.0	0.6	-	40.8	43.2	54.0	13.2	10.8

Sample Calculation :
RESULT=Reading + ANT Factor - Amp Gain + Cabele Loss + High Pass Filter (or Att)
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Radiated Spurious Emission (1GHz to 10GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RFID System (Reader/Writer, Antenna)	REGULATION	: Fcc Part15 Subpart C 15.247(d)
		TEST DISTANCE	: 3m
MODEL	: V750-BA50C04-US, V750-HS01CA	DATE	: August 02, 2006
SAMPLE No.	: RF-DS-06001, P6010047	TEMPERATURE	: 26deg.C
POWER	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch25 : 914.75MHz	ENGINEER	: Yutaka Yoshida

PK DETECT(S/A : RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1829.5	59.5	58.5	29.1	32.5	3.0	0.0	1.0	-	60.1	59.1	74.0	13.9	14.9
2	2744.2	44.5	44.7	31.2	32.2	3.6	0.0	0.7	-	47.8	48.0	74.0	26.2	26.0
3	3659.0	46.9	47.5	32.0	32.0	4.0	0.0	0.4	-	51.3	51.9	74.0	22.7	22.1
4	4573.7	43.7	44.9	34.2	31.9	4.6	0.0	0.4	-	51.0	52.2	74.0	23.0	21.8
5	5488.5	42.3	41.4	36.3	31.8	5.0	0.0	0.3	-	52.1	51.2	74.0	21.9	22.8
6	6403.3	44.9	45.6	36.9	31.3	5.4	0.0	0.4	-	56.3	57.0	74.0	17.7	17.0
7	7317.9	42.1	40.2	37.9	31.7	5.7	0.0	0.5	-	54.5	52.6	74.0	19.5	21.4
8	8232.7	42.3	42.9	37.2	31.5	6.0	0.0	0.6	-	54.6	55.2	74.0	19.4	18.8
9	9147.5	41.3	41.9	36.9	31.7	6.4	0.0	0.7	-	53.6	54.2	74.0	20.4	19.8

AV DETECT(S/A : RBW 1MHz and VBW 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1829.5	50.2	49.5	29.1	32.5	3.0	0.0	1.0	-	50.8	50.1	54.0	3.2	3.9
2	2744.2	35.7	35.0	31.2	32.2	3.6	0.0	0.7	-	39.0	38.3	54.0	15.0	15.7
3	3659.0	37.7	39.9	32.0	32.0	4.0	0.0	0.4	-	42.1	44.3	54.0	11.9	9.7
4	4573.7	36.2	38.8	34.2	31.9	4.6	0.0	0.4	-	43.5	46.1	54.0	10.5	7.9
5	5488.5	31.5	31.4	36.3	31.8	5.0	0.0	0.3	-	41.3	41.2	54.0	12.7	12.8
6	6403.3	40.4	40.9	36.9	31.3	5.4	0.0	0.4	-	51.8	52.3	54.0	2.2	1.7
7	7317.9	28.3	28.0	37.9	31.7	5.7	0.0	0.5	-	40.7	40.4	54.0	13.3	13.6
8	8232.7	29.7	32.5	37.2	31.5	6.0	0.0	0.6	-	42.0	44.8	54.0	12.0	9.2
9	9147.5	29.5	29.1	36.9	31.7	6.4	0.0	0.7	-	41.8	41.4	54.0	12.2	12.6

Sample Calculation :
RESULT=Reading + ANT Factor - Amp Gain + Cabele Loss + High Pass Filter (or Att)
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Radiated Spurious Emission (1GHz to 10GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RFID System (Reader/Writer, Antenna)	REGULATION	: Fcc Part15 Subpart C 15.247(d)
		TEST DISTANCE	: 3m
MODEL	: V750-BA50C04-US, V750-HS01CA	DATE	: August 02, 2006
SAMPLE No.	: RF-DS-06001, P6010047	TEMPERATURE	: 26deg.C
POWER	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch25 : 914.75MHz	ENGINEER	: Yutaka Yoshida

PK DETECT(S/A : RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1829.5	59.6	60.0	29.1	32.5	3.0	0.0	1.0	-	60.2	60.6	74.0	13.8	13.4
2	2744.3	44.4	45.2	31.2	32.2	3.6	0.0	0.7	-	47.7	48.5	74.0	26.3	25.5
3	3659.0	45.4	46.2	32.0	32.0	4.0	0.0	0.4	-	49.8	50.6	74.0	24.2	23.4
4	4573.8	44.2	45.4	34.2	31.9	4.6	0.0	0.4	-	51.5	52.7	74.0	22.5	21.3
5	5488.5	41.1	41.7	36.3	31.8	5.0	0.0	0.3	-	50.9	51.5	74.0	23.1	22.5
6	6403.3	45.7	45.8	36.9	31.3	5.4	0.0	0.4	-	57.1	57.2	74.0	16.9	16.8
7	7318.0	41.0	40.8	37.9	31.7	5.7	0.0	0.5	-	53.4	53.2	74.0	20.6	20.8
8	8232.8	43.6	42.8	37.2	31.5	6.0	0.0	0.6	-	55.9	55.1	74.0	18.1	18.9
9	9147.5	41.1	41.3	36.9	31.7	6.4	0.0	0.7	-	53.4	53.6	74.0	20.6	20.4

AV DETECT(S/A : RBW 1MHz and VBW 10Hz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1829.5	50.1	50.3	29.1	32.5	3.0	0.0	1.0	-	50.7	50.9	54.0	3.3	3.1
2	2744.3	34.8	35.6	31.2	32.2	3.6	0.0	0.7	-	38.1	38.9	54.0	15.9	15.1
3	3659.0	35.8	40.0	32.0	32.0	4.0	0.0	0.4	-	40.2	44.4	54.0	13.8	9.6
4	4573.8	36.8	39.1	34.2	31.9	4.6	0.0	0.4	-	44.1	46.4	54.0	9.9	7.6
5	5488.5	31.4	30.2	36.3	31.8	5.0	0.0	0.3	-	41.2	40.0	54.0	12.8	14.0
6	6403.3	40.6	41.4	36.9	31.3	5.4	0.0	0.4	-	52.0	52.8	54.0	2.0	1.2
7	7318.0	28.0	28.0	37.9	31.7	5.7	0.0	0.5	-	40.4	40.4	54.0	13.6	13.6
8	8232.8	34.3	33.9	37.2	31.5	6.0	0.0	0.6	-	46.6	46.2	54.0	7.4	7.8
9	9147.5	28.4	29.3	36.9	31.7	6.4	0.0	0.7	-	40.7	41.6	54.0	13.3	12.4

Sample Calculation :
RESULT=Reading + ANT Factor - Amp Gain + Cabele Loss + High Pass Filter (or Att)
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
* In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Radiated Spurious Emission (1GHz to 10GHz)

UL Apex Co., Ltd.
Head Office EMC Lab. No.2 Semi Anechoic Chamber

COMPANY	: OMRON Corporation	REPORT NO	: 26LE0001-HO
EQUIPMENT	: RFID System (Reader/Writer, Antenna)	REGULATION	: Fcc Part15 Subpart C 15.247(d)
		TEST DISTANCE	: 3m
MODEL	: V750-BA50C04-US, V750-HS01LA	DATE	: August 02, 2006
SAMPLE No.	: RF-DS-06001, P0605002	TEMPERATURE	: 26deg.C
POWER	: AC120V / 60Hz	HUMIDITY	: 68%
Mode	: Transmitting Mode / ch25 : 927.25MHz	ENGINEER	: Yutaka Yoshida

PK DETECT(S/A : RBW 1MHz and VBW 1MHz)

No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	PK	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1854.5	58.3	59.2	29.4	32.5	3.0	0.0	0.9	-	59.1	60.0	74.0	14.9	14.0
2	2781.8	46.3	46.9	31.3	32.2	3.6	0.0	0.7	-	49.7	50.3	74.0	24.3	23.7
3	3709.0	48.0	48.8	32.2	32.0	4.0	0.0	0.4	-	52.6	53.4	74.0	21.4	20.6
4	4636.2	45.2	46.7	34.7	31.9	4.6	0.0	0.4	-	53.0	54.5	74.0	21.0	19.5
5	5563.6	42.8	42.6	36.4	31.8	5.0	0.0	0.4	-	52.8	52.6	74.0	21.2	21.4
6	6490.8	43.7	44.8	36.9	31.3	5.5	0.0	0.4	-	55.2	56.3	74.0	18.8	17.7
7	7418.0	41.4	40.6	38.1	31.8	5.7	0.0	0.6	-	54.0	53.2	74.0	20.0	20.8
8	8345.2	42.1	42.9	37.3	31.4	6.0	0.0	0.6	-	54.6	55.4	74.0	19.4	18.6
9	9272.4	41.2	41.3	36.8	31.7	6.4	0.0	0.7	-	53.4	53.5	74.0	20.6	20.5

AV DETECT(S/A : RBW 1MHz and VBW 10Hz)

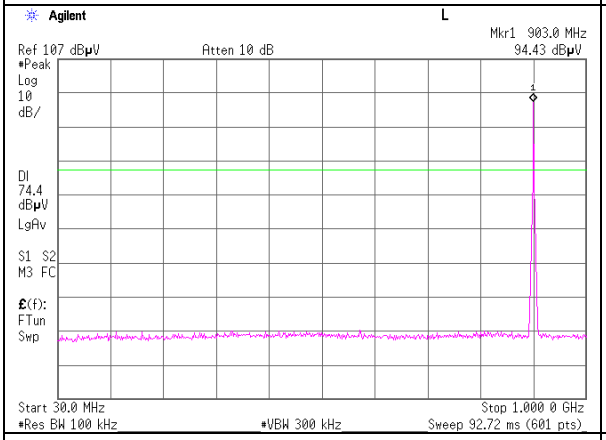
No.	FREQ	S/A READING		ANT	AMP	CABLE	ATT	Hi-Pass	dwell	RESULT		Limit	MARGIN	
		HOR	VER	Factor	GAIN	LOSS		Filter	Factor	HOR	VER	AV	HOR	VER
	[MHz]	[dBuV]		[dB/m]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBuV/m]		[dBuV/m]	[dB]	
1	1854.5	48.8	49.7	29.4	32.5	3.0	0.0	0.9	-	49.6	50.5	54.0	4.4	3.5
2	2781.8	38.0	38.1	31.3	32.2	3.6	0.0	0.7	-	41.4	41.5	54.0	12.6	12.5
3	3709.0	38.8	41.9	32.2	32.0	4.0	0.0	0.4	-	43.4	46.5	54.0	10.6	7.5
4	4636.2	35.4	40.7	34.7	31.9	4.6	0.0	0.4	-	43.2	48.5	54.0	10.8	5.5
5	5563.6	30.8	30.8	36.4	31.8	5.0	0.0	0.4	-	40.8	40.8	54.0	13.2	13.2
6	6490.8	36.8	38.9	36.9	31.3	5.5	0.0	0.4	-	48.3	50.4	54.0	5.7	3.6
7	7418.0	29.5	27.8	38.1	31.8	5.7	0.0	0.6	-	42.1	40.4	54.0	11.9	13.6
8	8345.2	31.8	33.1	37.3	31.4	6.0	0.0	0.6	-	44.3	45.6	54.0	9.7	8.4
9	9272.4	30.0	30.2	36.8	31.7	6.4	0.0	0.7	-	42.2	42.4	54.0	11.8	11.6

Sample Calculation :
RESULT=Reading + ANT Factor - Amp Gain + Cabele Loss + High Pass Filter (or Att)
*Except for the above table : All other spurious emissions were less than 20dB for the limit.

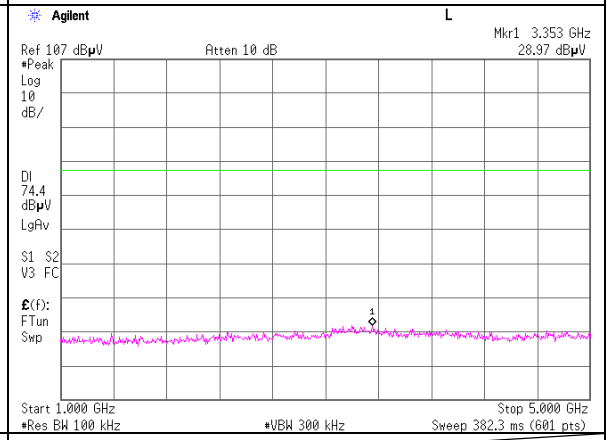
* The result is rounded off to the second decimal place. Therefore, there may be 0.1 difference for the result.
In the above table, factor 0.0dB represents no use of Atten. and/or Filter.

Conducted Spurious Emission
Ch:Low

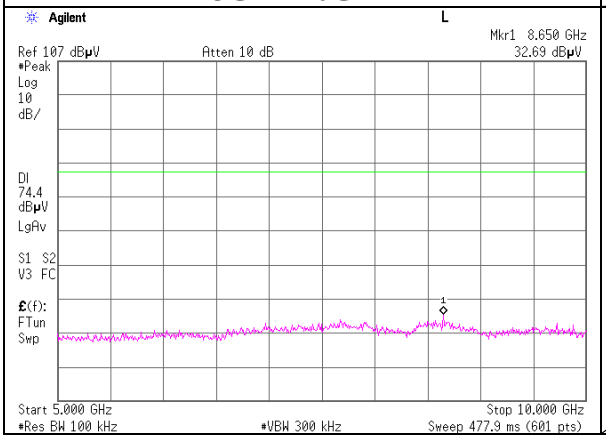
30MHz-1GHz



1GHz-5GHz

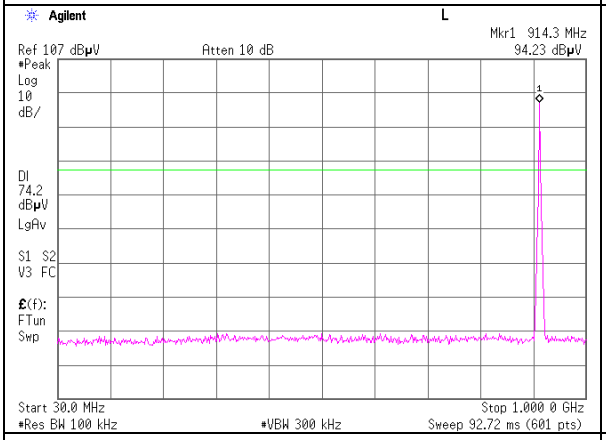


5GHz-10GHz

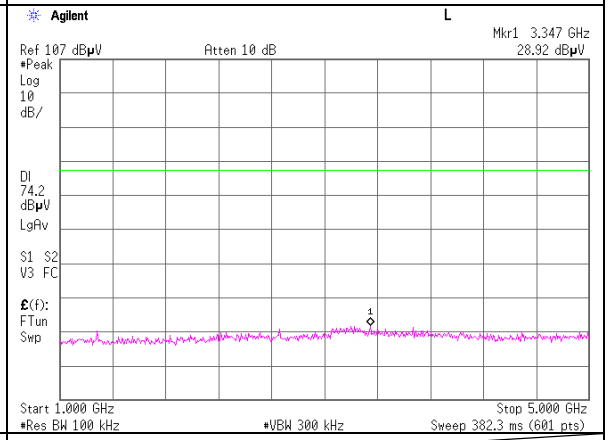


Conducted Spurious Emission
Ch:Mid

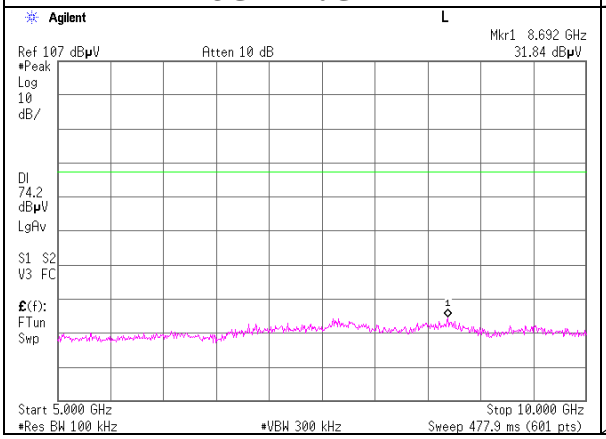
30MHz-1GHz



1GHz-5GHz

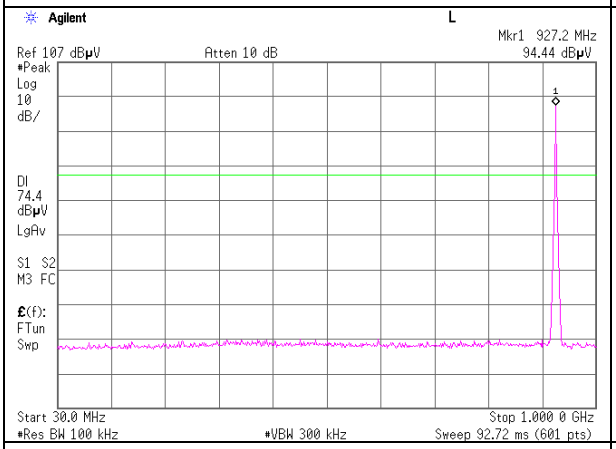


5GHz-10GHz

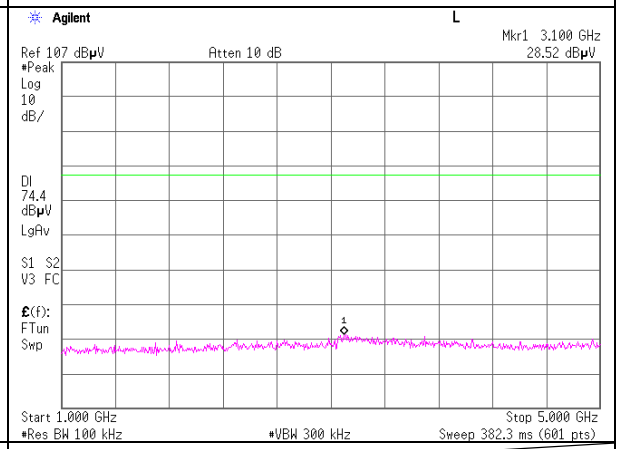


Conducted Spurious Emission
Ch:High

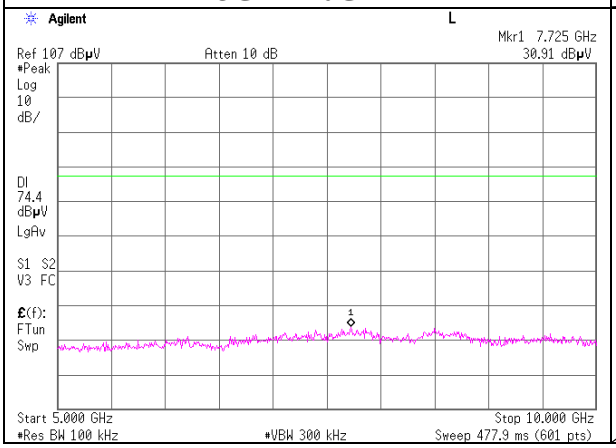
30MHz-1GHz

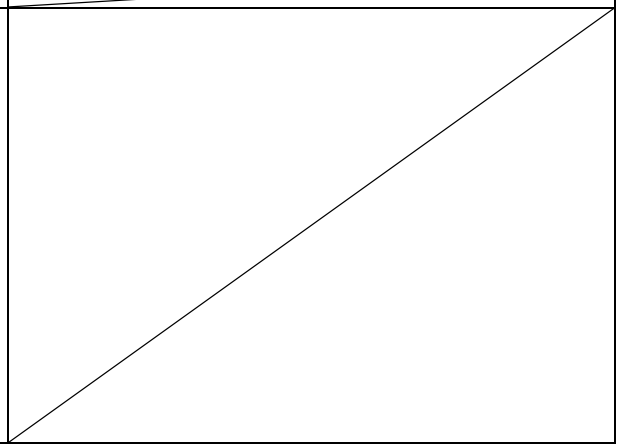


1GHz-5GHz



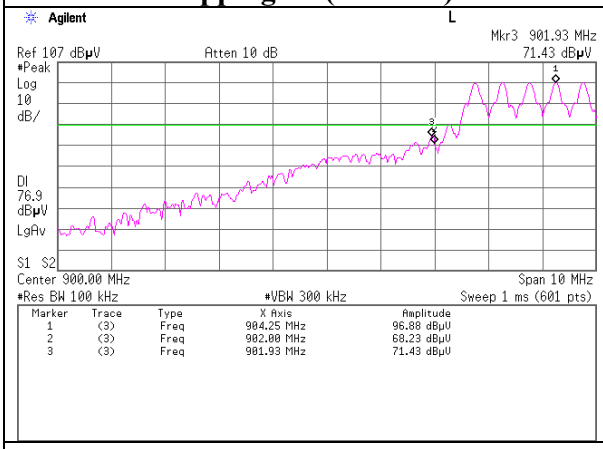
5GHz-10GHz



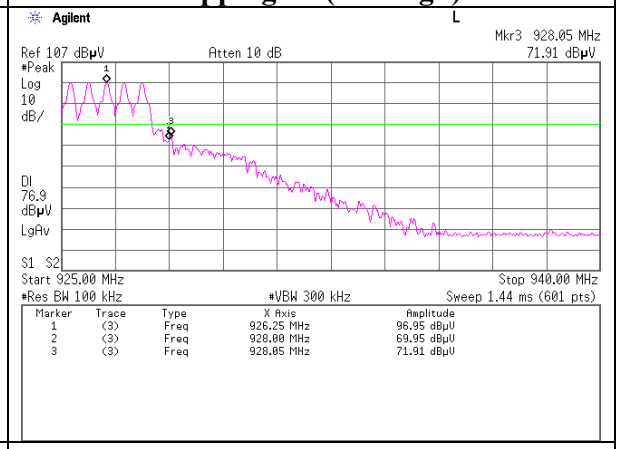


Conducted Spurious Emission
Band Edge Compliance

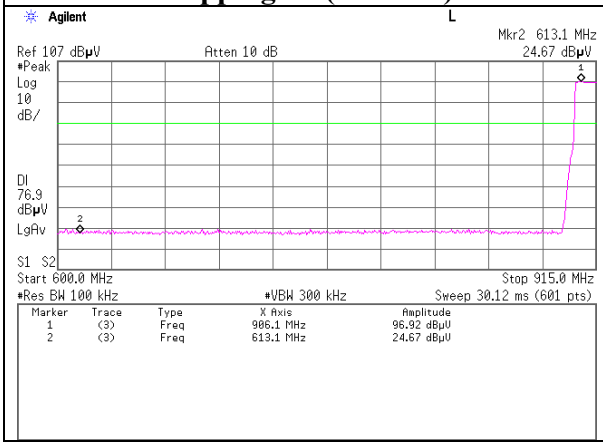
Hopping on (Ch:Low)



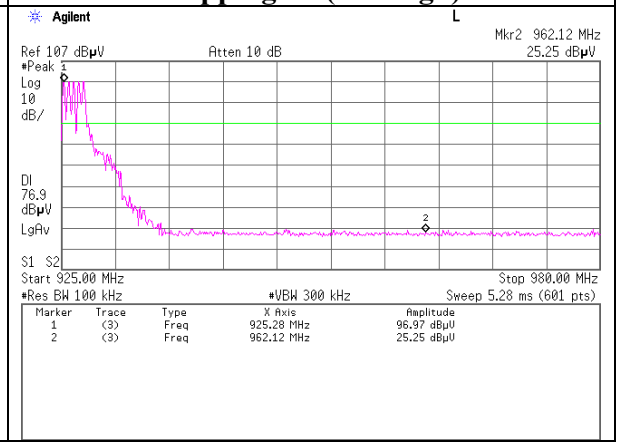
Hopping on (Ch:High)



Hopping on (Ch:Low)

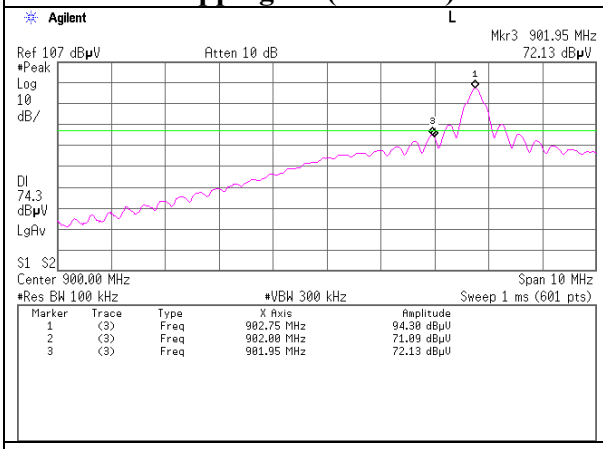


Hopping on (Ch:High)

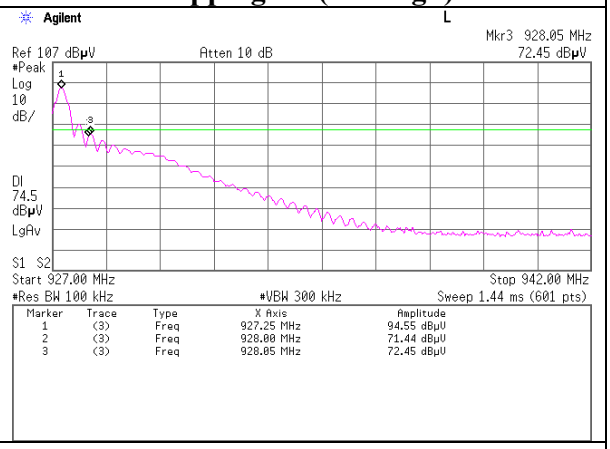


Conducted Spurious Emission
Band Edge Compliance

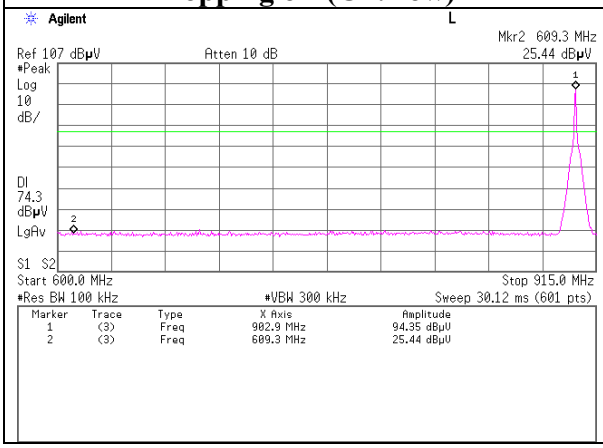
Hopping off (Ch:Low)



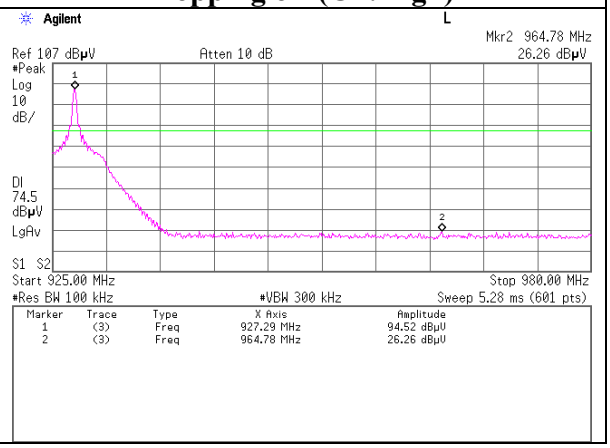
Hopping off (Ch:High)



Hopping off (Ch:Low)

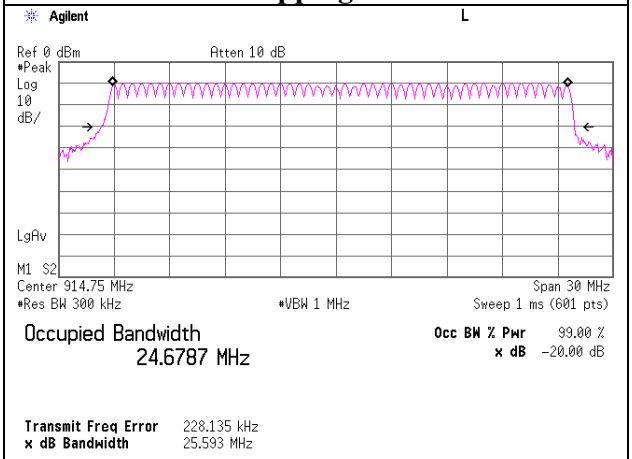


Hopping off (Ch:High)

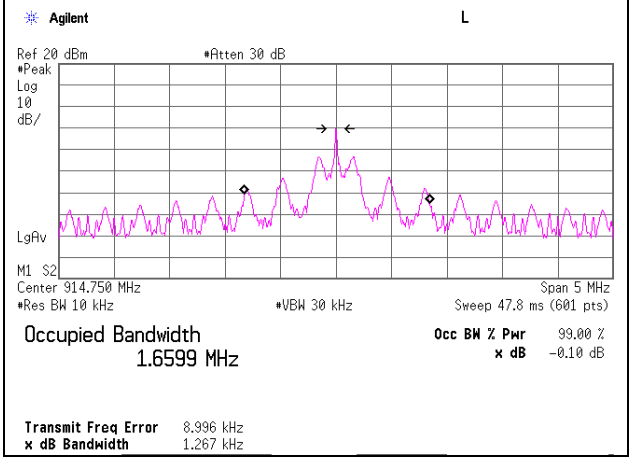


99% Occupied Bandwidth

Hopping on



Hopping off



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/CE	2006/04/10 * 12
MOS-02	Digital Humidity Indicator	N.T	NT-1800	RE/CE/AT	2004/11/25 * 24
MSTW-14	EMI measurement program	TSJ	TEPTO-DV	RE/CE	-
MBA-02	Biconical Antenna	Schwarzbeck	BBA9106	RE	2005/10/10 * 12
MLA-02	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2005/10/14 * 12
MAT-07	Attenuator(6dB)	Weinschel Corp	2	RE	2005/12/16 * 12
MAT-27	Attenuator(3dB)	TME	UFA-01	RE	2006/03/11 * 12
MAT-31	Attenuator(6dB)	TME	UFA-01	RE	2006/03/11 * 12
MCC-12	Coaxial Cable	Fujikura/Agilent	-	RE	2006/02/23 * 12
MHA-06	Horn Antenna	Schwarzbeck	BBHA9120D	RE	2006/01/09 * 12
MCC-47	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX104	RE	2005/08/30 * 12
MCC-16	Microwave Cable 1G-26.5GHz	Suhner	SUCOFLEX 104	RE	2006/02/02 * 12
MAT-22	Attenuator(10dB)(above1GHz)	Orient Microwave	BX10-0476-00	RE	2006/03/18 * 12
MAT-25	Attenuator(10dB)(above1GHz)	Agilent	8493C	RE	2006/06/02 * 12
MBF-11	Band Pass Filter	M-City	BPF1842-01	RE	2006/05/15 * 12
MBF-09	Band Pass Filter	M-City	BPF4250-01	RE	2006/05/15 * 12
MHF-07	High Pass Filter	Tokimec	TF323DCA	RE	2006/05/20 * 12
MPA-09	Pre Amplifier	Agilent	8447D	RE	2005/09/07 * 12
MPA-10	Pre Amplifier	Agilent	8449B	RE	2005/09/07 * 12
MSA-05	Spectrum Analyzer	Advantest	R3273	RE/CE	2006/05/20 * 12
MTR-03	Test Receiver	Rohde & Schwarz	ESCI	RE/CE	2006/03/04 * 12
MCC-13	Coaxial Cable	Fujikura/Agilent	-	CE	2006/02/23 * 12
MLS-06	LISN(AMN)	Schwarzbeck	NSLK8127	CE (AE)	2006/02/06 * 12
MLS-07	LISN(AMN)	Schwarzbeck	NSLK8127	CE (EUT)	2006/02/06 * 12
MTA-06	Terminator	MCL	BTRM-50	CE	2006/02/06 * 12
MSA-03	Spectrum Analyzer	Agilent	E4448A	AT	2005/09/16 * 12
MRENT-33	Power sensor	Anritsu	MA2411B	AT	2006/04/25 * 12
MRENT-36	Power Meter	Anritsu	ML2496A	AT	2006/04/25 * 12
MAT-16	Attenuator(40dB)_9k-12.4GHz_N	Weinschel Corp	MODEL 1	AT	2006/01/10 * 12

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

Test Item:

CE: Conducted emission.
RE: Radiated emission.
AT: Antenna Terminal Measurements