

DATA OF CONDUCTION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: Y)
Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C Engineer : Fumiaki Matsuo
Humidity : 35 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]		
1.	0.1972	49.1	44.0	48.9	43.6	0.0	0.0	0.0	49.1	44.0	63.7	53.7	14.6	9.7
2.	0.2982	40.2	-	39.5	-	0.0	0.0	0.0	40.2	-	60.3	50.3	20.1	-
3.	0.5957	39.4	38.6	39.3	38.5	0.0	0.1	0.0	39.5	38.7	56.0	46.0	16.5	7.3
4.	0.6947	40.3	39.7	40.3	39.6	0.0	0.1	0.0	40.4	39.8	56.0	46.0	15.6	6.2
5.	0.7942	38.6	38.2	38.8	37.6	0.0	0.1	0.0	38.9	38.3	56.0	46.0	17.1	7.7
6.	1.1915	39.9	39.3	40.0	39.5	0.1	0.1	0.0	40.2	39.7	56.0	46.0	15.8	6.3
7.	1.5890	41.6	40.3	41.3	40.2	0.1	0.1	0.0	41.8	40.5	56.0	46.0	14.2	5.5
8.	1.6884	40.9	39.8	41.0	40.0	0.1	0.1	0.0	41.2	40.2	56.0	46.0	14.8	5.8
9.	2.4836	40.3	39.1	40.4	39.5	0.1	0.1	0.0	40.6	39.7	56.0	46.0	15.4	6.3
10.	2.5835	41.6	40.9	41.8	41.1	0.1	0.1	0.0	42.0	41.3	56.0	46.0	14.0	4.7
11.	2.8816	39.7	37.6	40.0	37.4	0.1	0.1	0.0	40.2	37.8	56.0	46.0	15.8	8.2
12.	6.4597	41.4	39.9	41.5	40.2	0.2	0.2	0.0	41.9	40.6	60.0	50.0	18.1	9.4

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

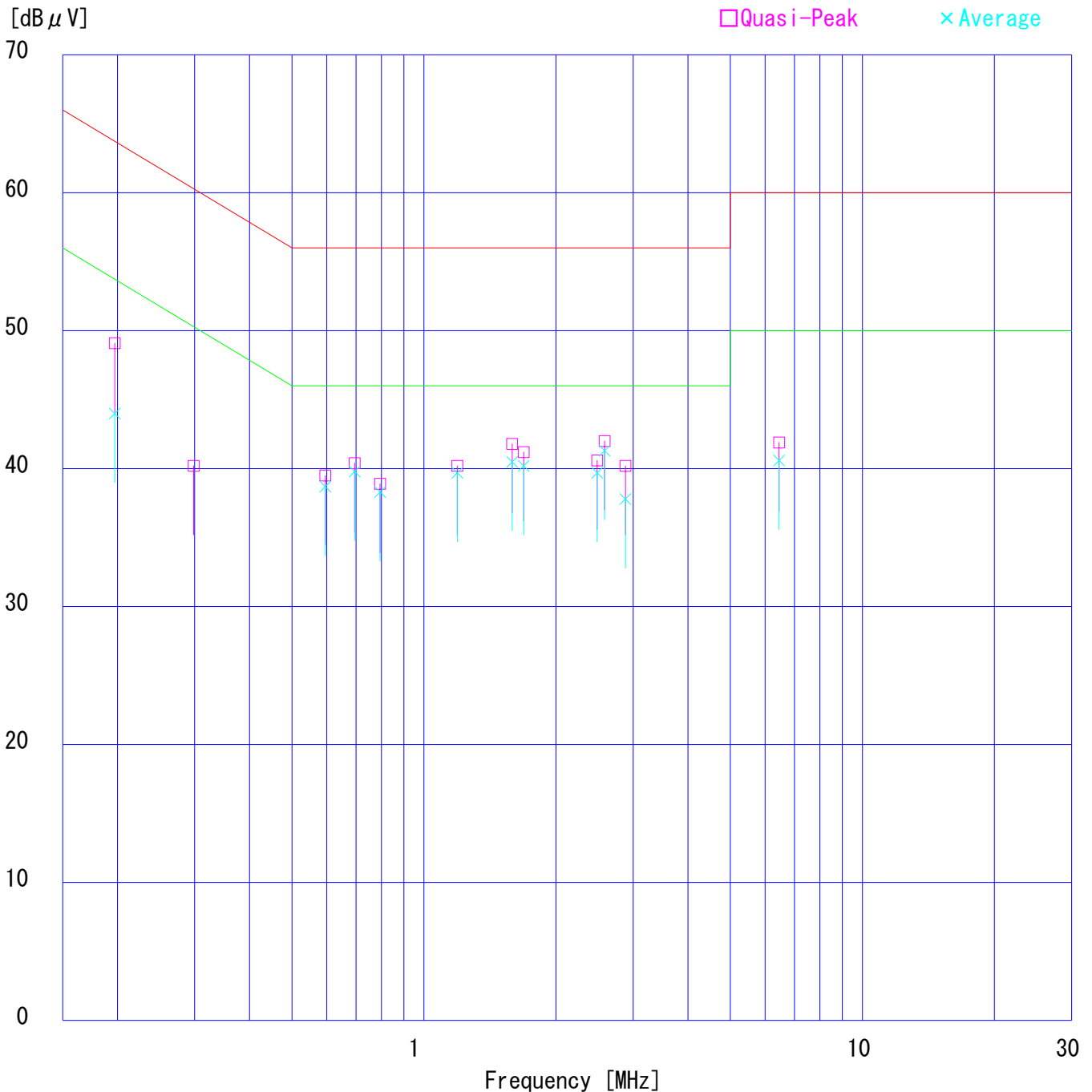
■ ISN : KLS-03 (NNLK8129) ■ COAXIAL CABLE : KCC-A1/A3
■ EMI RECEIVER : KTR-03 (ESHS10)

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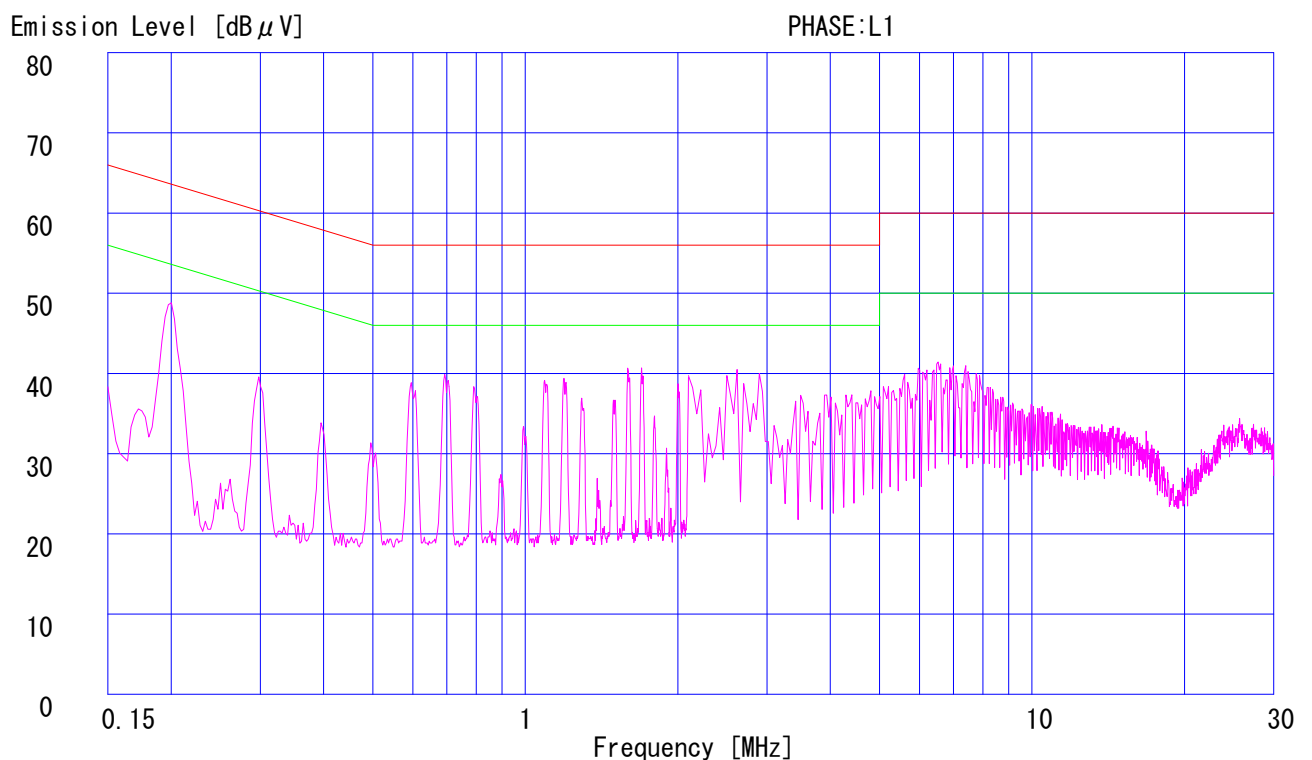
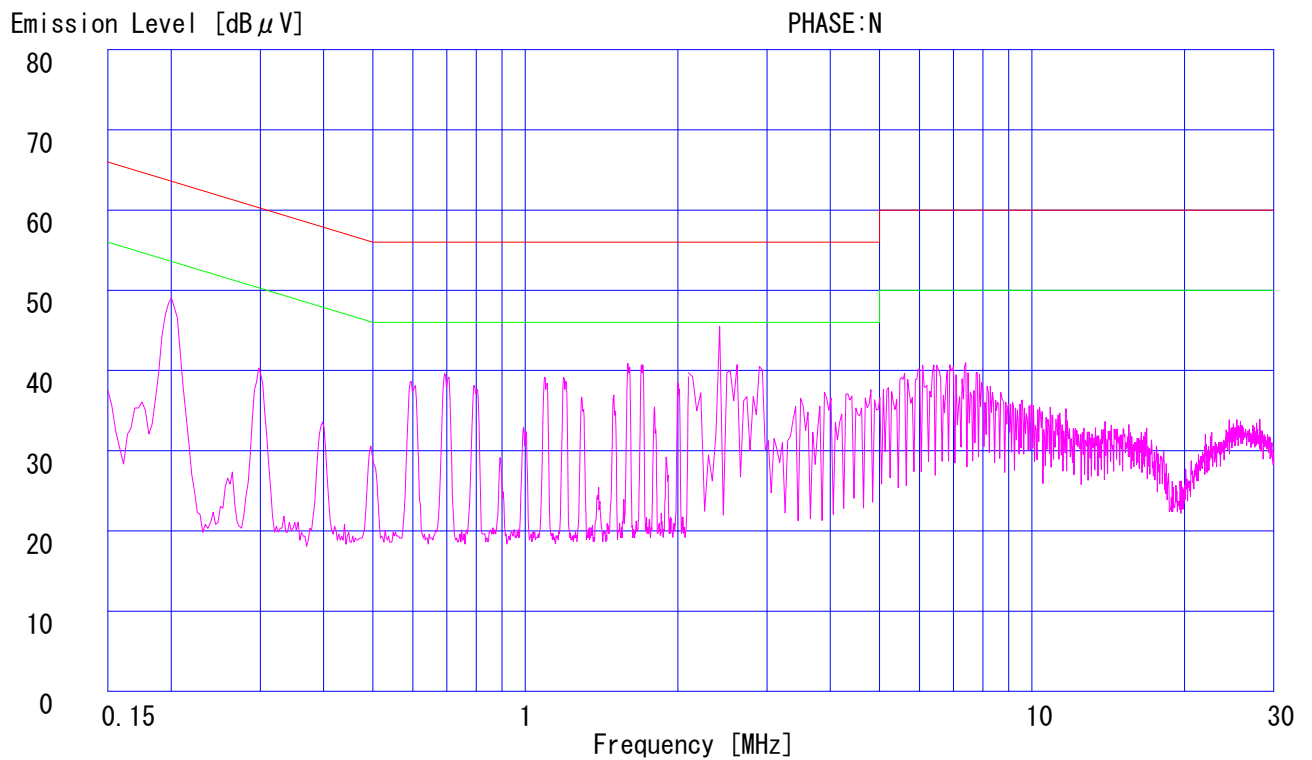
Engineer : Fumiaki Matsuo



DATA OF CONDUCTION TEST CHART

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YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

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Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: Y)
Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C
Humidity : 35 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None
Engineer : Fumiaki Matsuo



DATA OF CONDUCTION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
 Kind of Equipment : Color Laser printer
 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: M)
 Remarks : -
 Date : 1/24/2008
 Phase : Single Phase
 Temperature : 23 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV	QP [dB μV]	AV				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1976	49.1	44.0	48.9	43.6	0.0	0.0	0.0	49.1	44.0	63.7	53.7	14.6	9.7
2.	0.2974	40.3	-	39.8	-	0.0	0.0	0.0	40.3	-	60.3	50.3	20.0	-
3.	0.5967	39.4	38.7	39.2	38.5	0.0	0.1	0.0	39.5	38.8	56.0	46.0	16.5	7.2
4.	0.6955	40.5	39.8	40.4	39.8	0.0	0.1	0.0	40.6	39.9	56.0	46.0	15.4	6.1
5.	0.7951	38.9	38.3	38.8	38.2	0.0	0.1	0.0	39.0	38.4	56.0	46.0	17.0	7.6
6.	1.1936	39.8	39.4	39.9	39.3	0.1	0.1	0.0	40.1	39.6	56.0	46.0	15.9	6.4
7.	1.5906	41.9	40.6	41.8	40.5	0.1	0.1	0.0	42.1	40.8	56.0	46.0	13.9	5.2
8.	1.6891	40.8	39.7	40.9	39.5	0.1	0.1	0.0	41.1	39.9	56.0	46.0	14.9	6.1
9.	2.4855	40.3	39.4	40.5	39.6	0.1	0.1	0.0	40.7	39.8	56.0	46.0	15.3	6.2
10.	2.5839	41.2	40.6	41.5	40.9	0.1	0.1	0.0	41.7	41.1	56.0	46.0	14.3	4.9
11.	2.8840	40.8	38.3	40.0	38.2	0.1	0.1	0.0	41.0	38.5	56.0	46.0	15.0	7.5
12.	6.4641	41.3	40.2	41.4	40.4	0.2	0.2	0.0	41.8	40.8	60.0	50.0	18.2	9.2

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

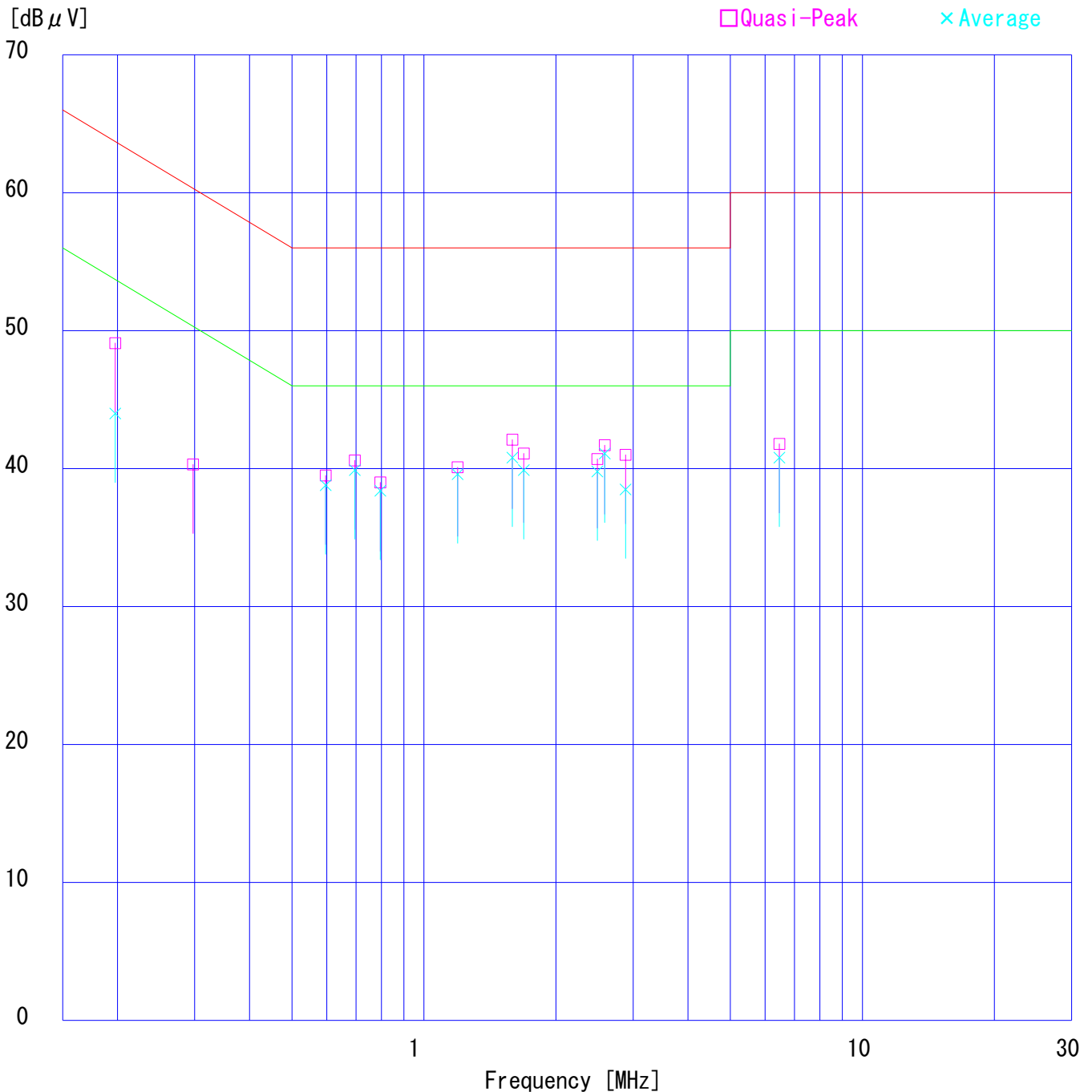
■ ISN : KLS-03 (NNLK8129) ■ COAXIAL CABLE: KCC-A1/A3
 ■ EMI RECEIVER: KTR-03 (ESHS10)

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Model No. : Pro-C900
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Power : AC240V/60Hz
Mode : Tx (Module: M)
Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C
Humidity : 35 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

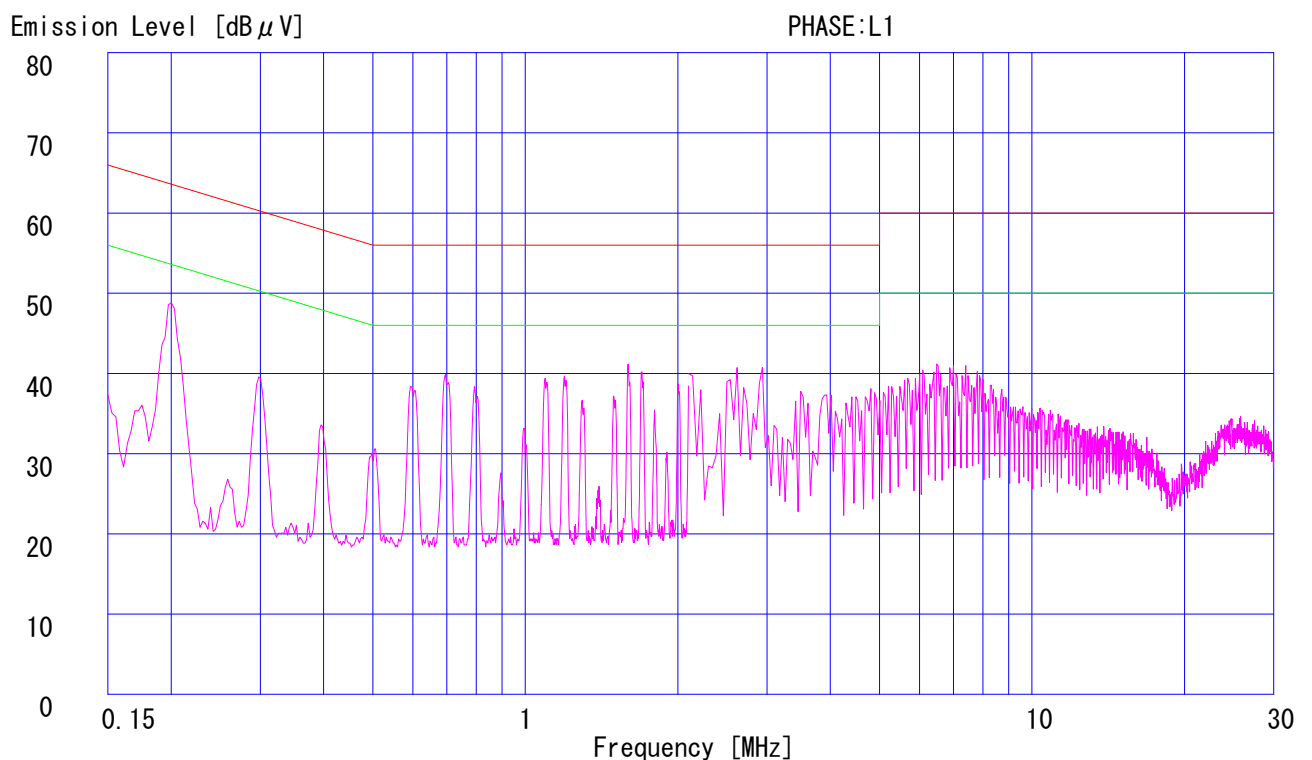
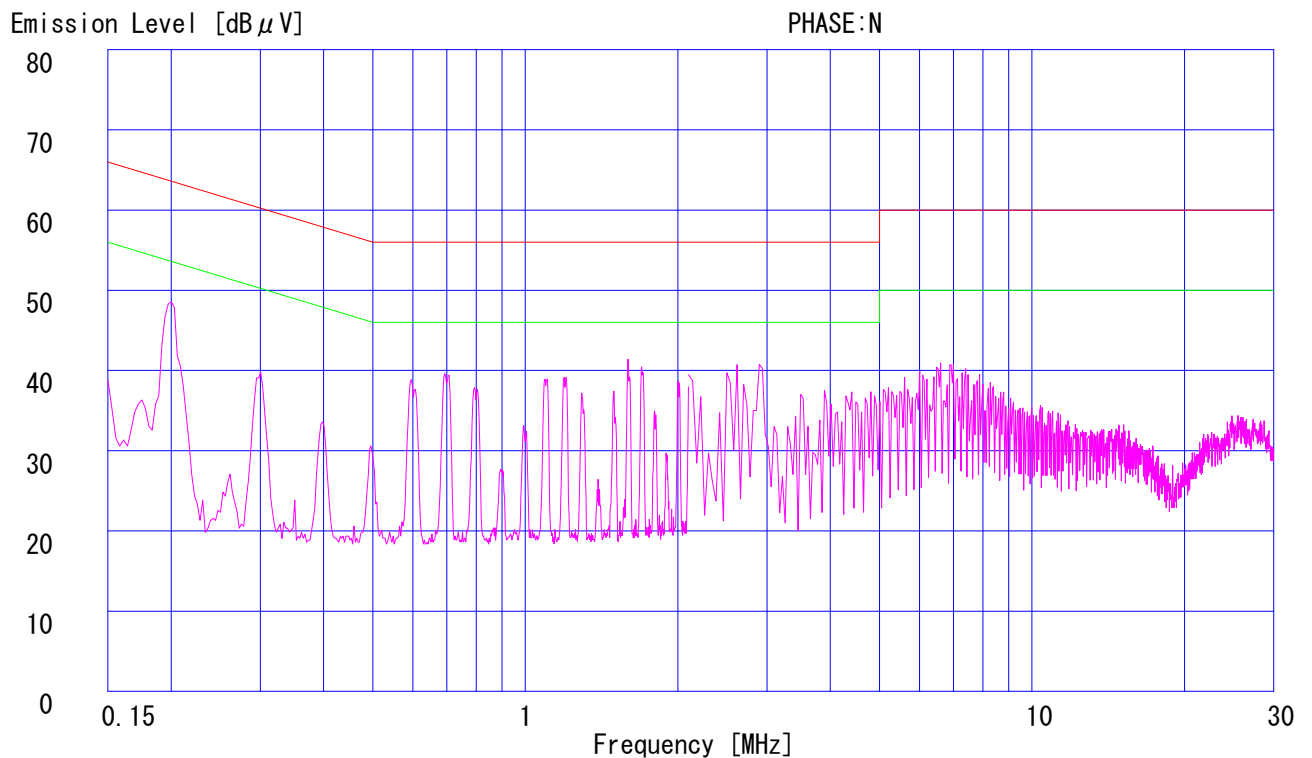
Engineer : Fumiaki Matsuo



DATA OF CONDUCTION TEST CHART

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YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: M)
Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C
Humidity : 35 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None
Engineer : Fumiaki Matsuo



DATA OF CONDUCTION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
 Kind of Equipment : Color Laser printer
 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: C)
 Remarks : -
 Date : 1/24/2008
 Phase : Single Phase
 Temperature : 23 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1975	49.1	44.0	48.9	43.6	0.0	0.0	0.0	49.1	44.0	63.7	53.7	14.6	9.7
2.	0.2966	40.1	-	39.5	-	0.0	0.0	0.0	40.1	-	60.3	50.3	20.2	-
3.	0.5959	39.5	38.7	39.4	38.7	0.0	0.1	0.0	39.6	38.8	56.0	46.0	16.4	7.2
4.	0.6958	40.4	39.8	40.4	39.7	0.0	0.1	0.0	40.5	39.9	56.0	46.0	15.5	6.1
5.	0.7960	38.7	38.1	38.6	37.7	0.0	0.1	0.0	38.8	38.2	56.0	46.0	17.2	7.8
6.	1.1938	40.0	39.4	40.0	39.5	0.1	0.1	0.0	40.2	39.7	56.0	46.0	15.8	6.3
7.	1.5908	41.8	40.4	41.7	40.4	0.1	0.1	0.0	42.0	40.6	56.0	46.0	14.0	5.4
8.	1.6902	41.0	40.0	41.0	40.0	0.1	0.1	0.0	41.2	40.2	56.0	46.0	14.8	5.8
9.	2.4873	40.0	39.1	40.3	39.2	0.1	0.1	0.0	40.5	39.4	56.0	46.0	15.5	6.6
10.	2.5859	41.8	41.1	41.9	41.3	0.1	0.1	0.0	42.1	41.5	56.0	46.0	13.9	4.5
11.	2.8844	39.8	37.4	39.3	36.7	0.1	0.1	0.0	40.0	37.6	56.0	46.0	16.0	8.4
12.	6.4681	40.9	39.5	41.1	39.6	0.2	0.2	0.0	41.5	40.0	60.0	50.0	18.5	10.0

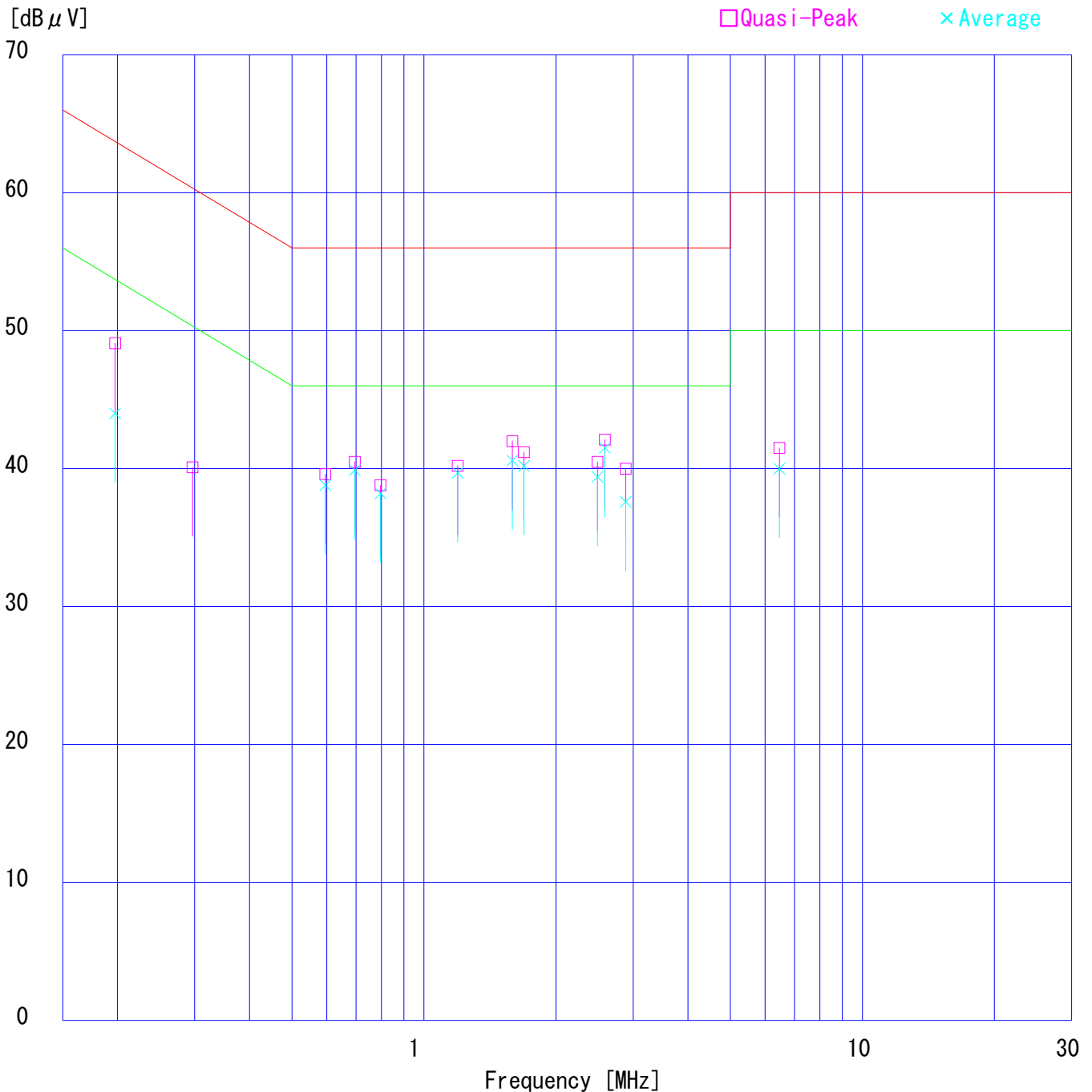
CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

■ ISN : KLS-03 (NNLK8129) ■ COAXIAL CABLE : KCC-A1/A3
 ■ EMI RECEIVER : KTR-03 (ESHS10)

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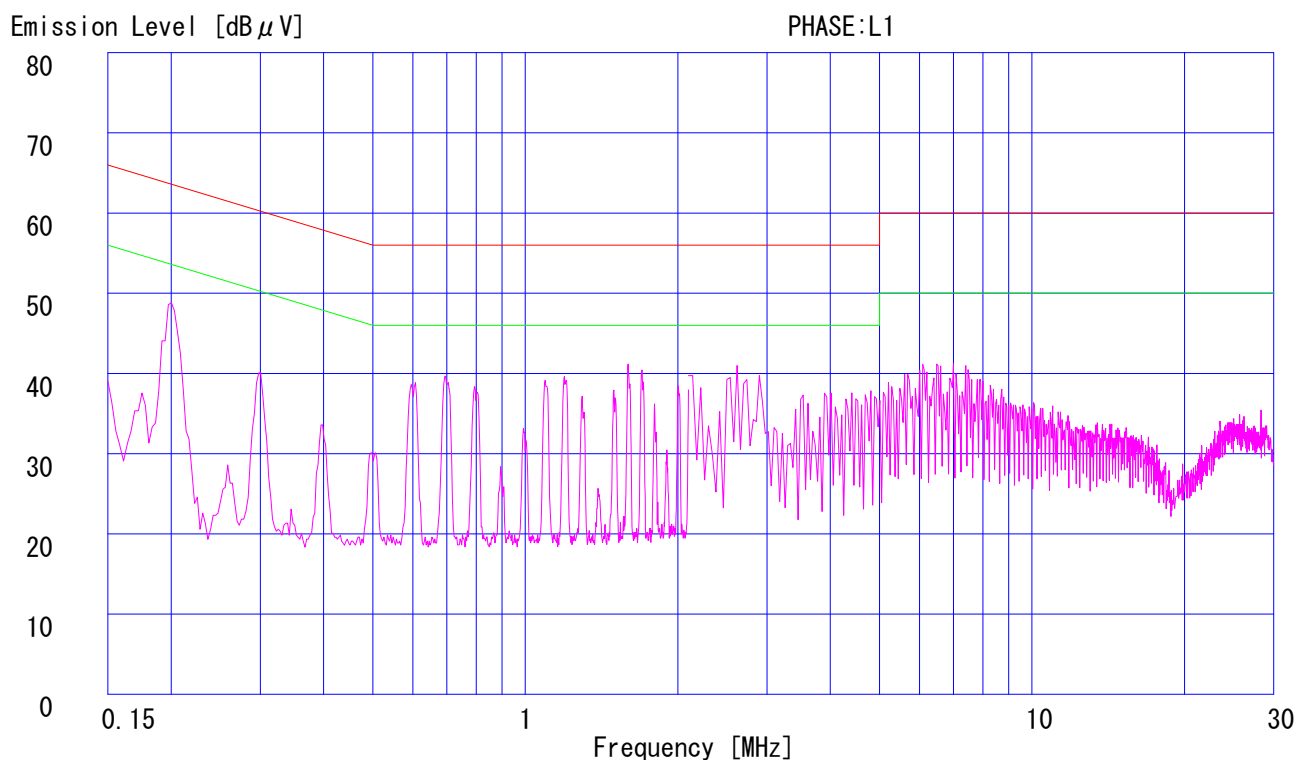
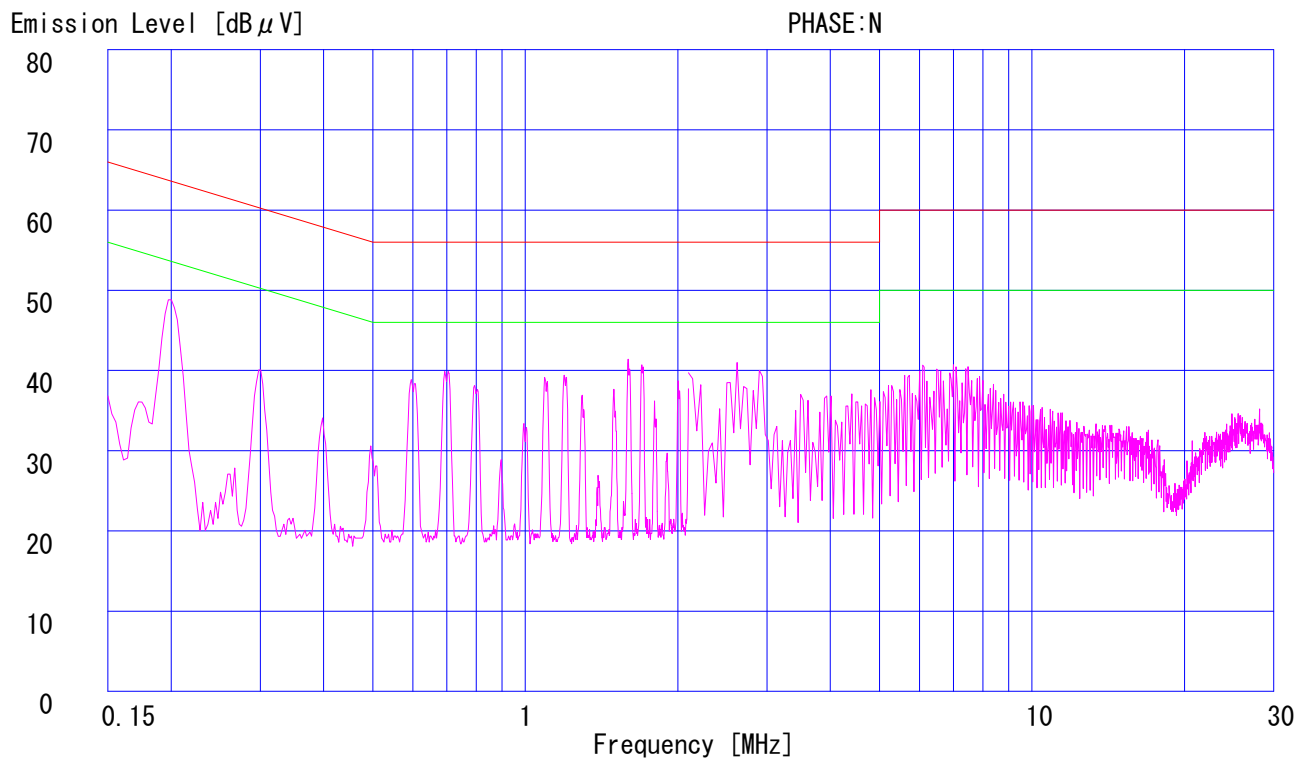
Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: C)
Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C
Humidity : 35 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)
Engineer : Fumiaki Matsuo



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Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C
Humidity : 35 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None
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Applicant : RICOH COMPANY LTD.
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 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: K)
 Remarks : -
 Date : 1/24/2008
 Phase : Single Phase
 Temperature : 23 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	READING (N)		READING (L1)		LISN FACTOR [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
		QP [dB μV]	AV [dB μV]	QP [dB μV]	AV [dB μV]				QP [dB]	AV [dB μV]	QP [dB μV]	AV [dB μV]	QP [dB]	AV [dB]
1.	0.1984	49.1	44.1	49.0	43.7	0.0	0.0	0.0	49.1	44.1	63.7	53.7	14.6	9.6
2.	0.2979	40.2	-	40.1	-	0.0	0.0	0.0	40.2	-	60.3	50.3	20.1	-
3.	0.5957	39.3	38.5	39.2	38.5	0.0	0.1	0.0	39.4	38.6	56.0	46.0	16.6	7.4
4.	0.6963	40.4	39.7	40.3	39.7	0.0	0.1	0.0	40.5	39.8	56.0	46.0	15.5	6.2
5.	0.7960	38.7	38.0	38.8	37.9	0.0	0.1	0.0	38.9	38.1	56.0	46.0	17.1	7.9
6.	1.1941	40.1	39.5	40.1	39.6	0.1	0.1	0.0	40.3	39.8	56.0	46.0	15.7	6.2
7.	1.5931	41.6	40.1	41.3	40.0	0.1	0.1	0.0	41.8	40.3	56.0	46.0	14.2	5.7
8.	1.6915	41.2	40.1	41.0	39.8	0.1	0.1	0.0	41.4	40.3	56.0	46.0	14.6	5.7
9.	2.4874	40.4	39.2	40.3	39.4	0.1	0.1	0.0	40.6	39.6	56.0	46.0	15.4	6.4
10.	2.5880	41.8	41.1	41.8	41.0	0.1	0.1	0.0	42.0	41.3	56.0	46.0	14.0	4.7
11.	2.8869	41.2	37.2	40.0	36.3	0.1	0.1	0.0	41.4	37.4	56.0	46.0	14.6	8.6
12.	6.4703	41.1	39.9	41.3	40.1	0.2	0.2	0.0	41.7	40.5	60.0	50.0	18.3	9.5

CALCULATION: READING + LISN FACTOR + CABLE LOSS + ATTEN.

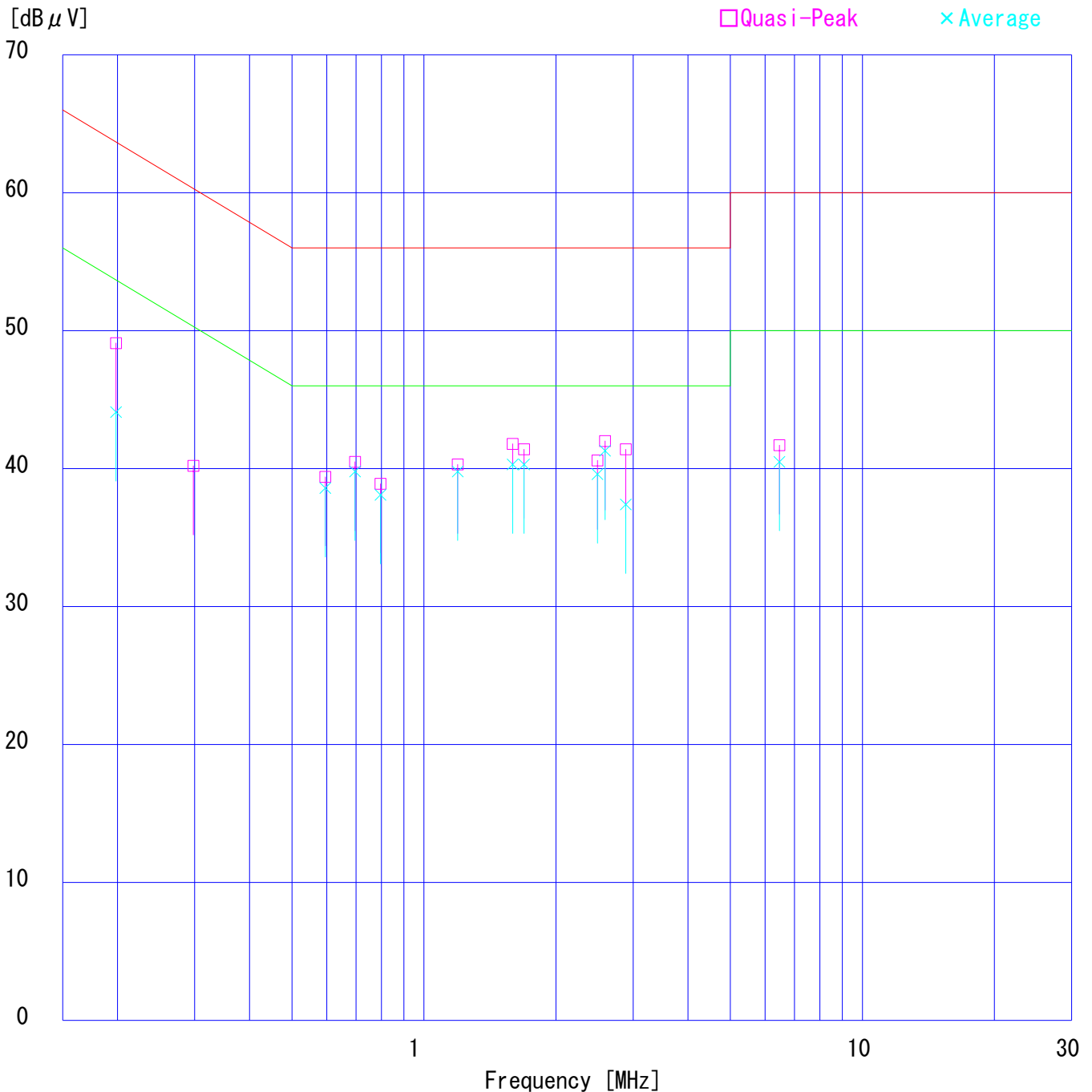
■ ISN : KLS-03 (NNLK8129) ■ COAXIAL CABLE : KCC-A1/A3
 ■ EMI RECEIVER : KTR-03 (ESHS10)

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Model No. : Pro-C900
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Phase : Single Phase
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Humidity : 35 %
Regulation : FCC Part15C § 15.207. (CISPR Pub.22)

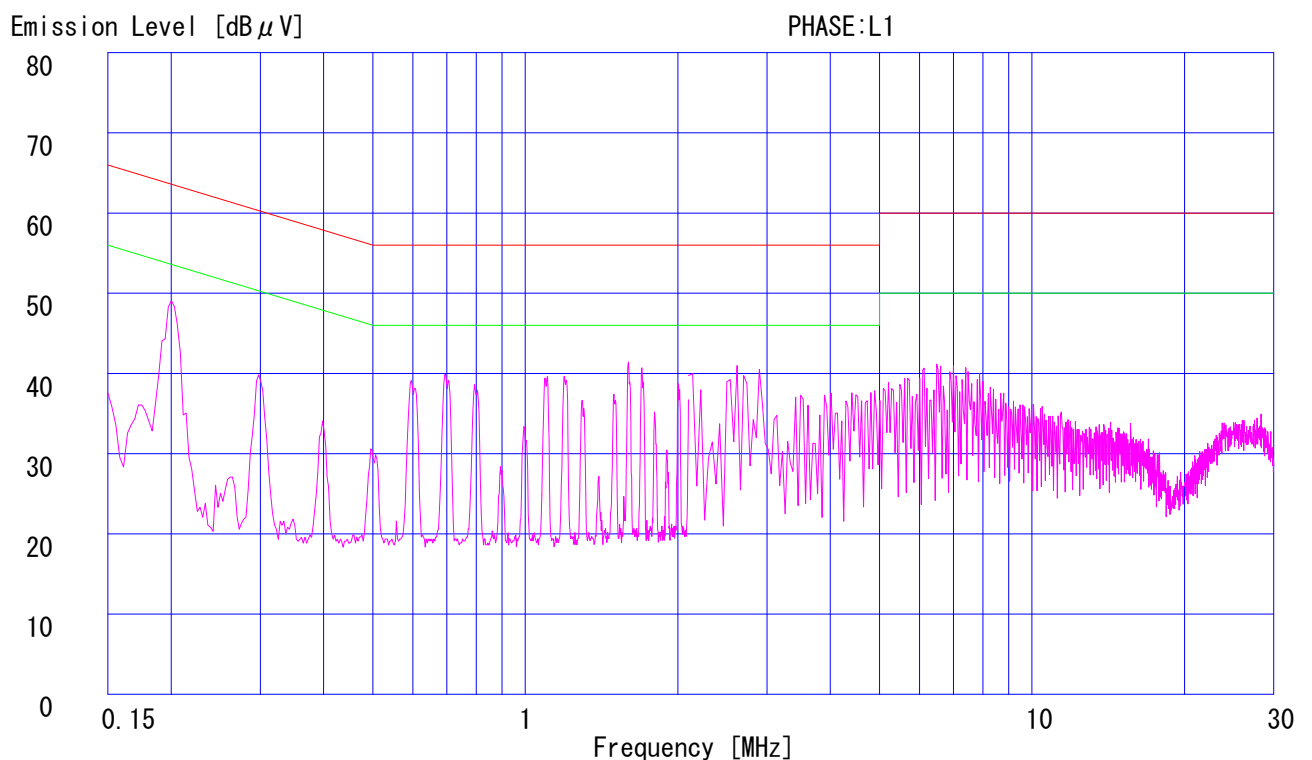
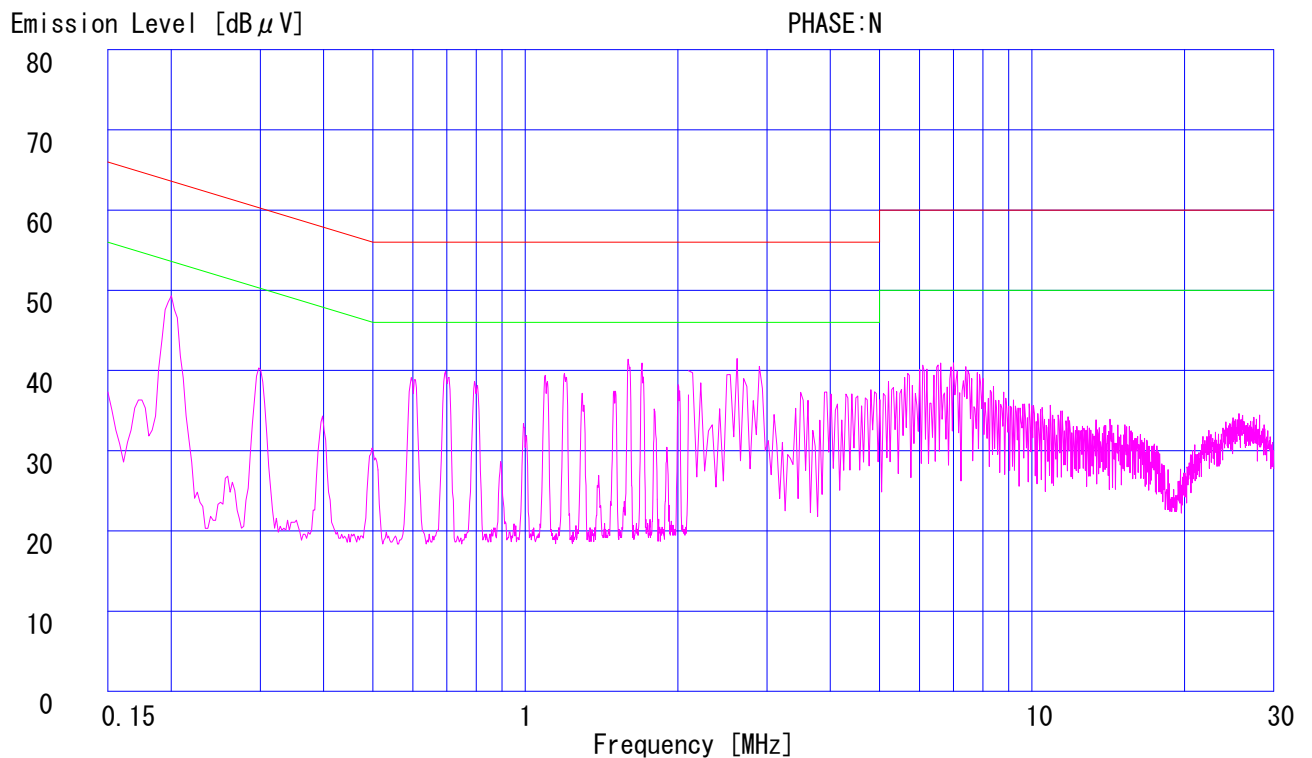
Engineer : Fumiaki Matsuo



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Model No. : Pro-C900
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Power : AC240V/60Hz
Mode : Tx (Module: K)
Remarks : -
Date : 1/24/2008
Phase : Single Phase
Temperature : 23 °C
Humidity : 35 %
Regulation 1 : FCC Part15C § 15.207. (CISPR Pub.22)
Regulation 2 : None
Engineer : Fumiaki Matsuo



Data of Field Strength and Outside Filed Strength: FCC15.225

UL Japan, Inc.
YAMAKITA No1 Anechoic Chamber

Company	: RICOH COMPANY LTD.	Report No.	: 28FE0088-YK-A
Equipment	: Color Laser printer	Regulation	: FCC Part15 SupartC 15.225
Model	: Pro-C900	Test Distance	: 3m
Sample No.	: 48BE-010012	Date	: 2008/1/23
Power	: AC240V/60Hz	Temperature	: 22deg.C
Mode	: Transmitting (Module: Y)	Humidity	: 35%

ENGINEER : Fumiaki Matsuo

Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.560	46.2	43.5	19.2	5.8	0.7	28.4	43.5	40.8	124.0	80.5	83.2

Field strength of 13.553MHz to 13.567MHz Limit(3m) = 84dBuV/m + 40log 30m/3m
= 124dBuV/m (FCC15.225(a))

Outside Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.110	34.3	28.1	19.2	5.8	0.7	28.4	31.6	25.4	69.5	37.9	44.1
2	13.410	35.5	30.2	19.2	5.8	0.7	28.4	32.8	27.5	80.5	47.7	53.0
3	13.553	36.4	34.5	19.2	5.8	0.7	28.4	33.7	31.8	90.5	56.8	58.7
4	13.567	35.8	32.1	19.2	5.8	0.7	28.4	33.1	29.4	90.5	57.4	61.1
5	13.710	34.9	30.1	19.2	5.8	0.7	28.4	32.2	27.4	80.5	48.3	53.1
6	14.010	33.5	29.3	19.2	5.8	0.7	28.5	30.7	26.5	69.5	38.8	43.0

Outside filed strength frequencies

- filed strength band $F_c \pm 7\text{kHz}$: 13.553MHz to 13.567MHz
 - Outside filde strength $F_c \pm 150\text{kHz}$: 13.410MHz to 13.710MHz
 - Outside filde strength $F_c \pm 450\text{kHz}$: 13.110MHz to 14.010MHz
- $F_c = 13.56\text{MHz}$

Limits (3m)

- 13.410MHz to 13.553MHz and 13.567MHz to 13.710MHz : 50.5dBuV/m + 40log30m/3m = 90.5dBuV/m (FCC15.225(b))
- 13.110MHz to 14.010MHz and 13.710MHz to 14.010MHz : 40.5dBuV/m + 40log30m/3m = 80.5dBuV/m (15.225(c))
- Below 13.110MHz and Above 14.010MHz : 29.5dBuV/m + 40log30m/3m = 69.5dBuV/m (FCC15.225(d)and FCC15.209)

Antenna: KLP-01(HFH2-Z2) 0.009-30MHz
KCC-30/31/32/34(RE)
AMP: KAF-05(8447D)
Receiver: KTR-03

Data of Field Strength and Outside Filed Strength: FCC15.225

UL Japan, Inc.
YAMAKITA No1 Anechoic Chamber

Company : RICOH COMPANY LTD.	Report No. : 28FE0088-YK-A
Equipment : Color Laser printer	Regulation : FCC Part15 SupartC 15.225
Model : Pro-C900	Test Distance : 3m
Sample No. : 48BE-010012	Date : 2008/1/23
Power : AC240V/60Hz	Temperature : 22deg.C
Mode : Transmitting (Module: M)	Humidity : 35%

ENGINEER : Fumiaki Matsuo

Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.560	44.5	43.4	19.2	5.8	0.7	28.4	41.8	40.7	124.0	82.2	83.3

Field strength of 13.553MHz to 13.567MHz Limit(3m) = 84dBuV/m + 40log 30m/3m
= 124dBuV/m (FCC15.225(a))

Outside Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.110	33.9	31.8	19.2	5.8	0.7	28.4	31.2	29.1	69.5	38.3	40.4
2	13.410	35.2	33.0	19.2	5.8	0.7	28.4	32.5	30.3	80.5	48.0	50.2
3	13.553	35.3	35.4	19.2	5.8	0.7	28.4	32.6	32.7	90.5	57.9	57.8
4	13.567	35.7	34.1	19.2	5.8	0.7	28.4	33.0	31.4	90.5	57.5	59.1
5	13.710	35.2	32.6	19.2	5.8	0.7	28.4	32.5	29.9	80.5	48.0	50.6
6	14.010	33.2	31.1	19.2	5.8	0.7	28.5	30.4	28.3	69.5	39.1	41.2

Outside filed strength frequencies

- filed strength band $F_c \pm 7\text{kHz}$: 13.553MHz to 13.567MHz
 - Outside filde strength $F_c \pm 150\text{kHz}$: 13.410MHz to 13.710MHz
 - Outside filde strength $F_c \pm 450\text{kHz}$: 13.110MHz to 14.010MHz
- $F_c = 13.56\text{MHz}$

Limits (3m)

- 13.410MHz to 13.553MHz and 13.567MHz to 13.710MHz : $50.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 90.5\text{dBuV/m}$ (FCC15.225(b))
- 13.110MHz to 14.010MHz and 13.710MHz to 14.010MHz : $40.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 80.5\text{dBuV/m}$ (15.225(c))
- Below 13.110MHz and Above 14.010MHz : $29.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 69.5\text{dBuV/m}$ (FCC15.225(d)and FCC15.209)

Antenna: KLP-01(HFH2-Z2) 0.009-30MHz
KCC-30/31/32/34(RE)
AMP: KAF-05(8447D)
Receiver: KTR-03

Data of Field Strength and Outside Filed Strength: FCC15.225

UL Japan, Inc.
YAMAKITA No1 Anechoic Chamber

Company : RICOH COMPANY LTD.	Report No. : 28FE0088-YK-A
Equipment : Color Laser printer	Regulation : FCC Part15 SupartC 15.225
Model : Pro-C900	Test Distance : 3m
Sample No. : 48BE-010012	Date : 2008/1/23
Power : AC240V/60Hz	Temperature : 22deg.C
Mode : Transmitting (Module: C)	Humidity : 35%

ENGINEER : Fumiaki Matsuo

Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.560	44.3	43.3	19.2	5.8	0.7	28.4	41.6	40.6	124.0	82.4	83.4

Field strength of 13.553MHz to 13.567MHz Limit(3m) = 84dBuV/m + 40log 30m/3m
= 124dBuV/m (FCC15.225(a))

Outside Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.110	35.5	32.1	19.2	5.8	0.7	28.4	32.8	29.4	69.5	36.7	40.1
2	13.410	35.1	31.8	19.2	5.8	0.7	28.4	32.4	29.1	80.5	48.1	51.4
3	13.553	35.8	34.1	19.2	5.8	0.7	28.4	33.1	31.4	90.5	57.4	59.1
4	13.567	35.6	32.8	19.2	5.8	0.7	28.4	32.9	30.1	90.5	57.6	60.4
5	13.710	34.3	31.3	19.2	5.8	0.7	28.4	31.6	28.6	80.5	48.9	51.9
6	14.010	33.9	30.5	19.2	5.8	0.7	28.5	31.1	27.7	69.5	38.4	41.8

Outside filed strength frequencies

- filed strength band $F_c \pm 7\text{kHz}$: 13.553MHz to 13.567MHz
 - Outside filde strength $F_c \pm 150\text{kHz}$: 13.410MHz to 13.710MHz
 - Outside filde strength $F_c \pm 450\text{kHz}$: 13.110MHz to 14.010MHz
- $F_c = 13.56\text{MHz}$

Limits (3m)

- 13.410MHz to 13.553MHz and 13.567MHz to 13.710MHz : $50.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 90.5\text{dBuV/m}$ (FCC15.225(b))
- 13.110MHz to 14.010MHz and 13.710MHz to 14.010MHz : $40.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 80.5\text{dBuV/m}$ (15.225(c))
- Below 13.110MHz and Above 14.010MHz : $29.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 69.5\text{dBuV/m}$ (FCC15.225(d)and FCC15.209)

Antenna: KLP-01(HFH2-Z2) 0.009-30MHz
KCC-30/31/32/34(RE)
AMP: KAF-05(8447D)
Receiver: KTR-03

Data of Field Strength and Outside Filed Strength: FCC15.225

UL Japan, Inc.
YAMAKITA No1 Anechoic Chamber

Company : RICOH COMPANY LTD.	Report No. : 28FE0088-YK-A
Equipment : Color Laser printer	Regulation : FCC Part15 SupartC 15.225
Model : Pro-C900	Test Distance : 3m
Sample No. : 48BE-010012	Date : 2008/1/23
Power : AC240V/60Hz	Temperature : 22deg.C
Mode : Transmitting (Module: K)	Humidity : 35%

ENGINEER : Fumiaki Matsuo

Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.560	44.9	43.3	19.2	5.8	0.7	28.4	42.2	40.6	124.0	81.8	83.4

Field strength of 13.553MHz to 13.567MHz Limit(3m) = 84dBuV/m + 40log 30m/3m
= 124dBuV/m (FCC15.225(a))

Outside Field strength

No.	FREQ [MHz]	T/R Reading		ANT Factor [dB]	ATTEN [dB]	CABLE LOSS [dB]	AMP GAIN [dB]	RESULT		LIMIT (3m) [dBuV/m]	MARGIN	
		Hor [dBuV]	Ver [dBuV]					Hor [dBuV/m]	Ver [dBuV/m]		Hor [dB]	Ver [dB]
1	13.110	33.8	32.7	19.2	5.8	0.7	28.4	31.1	30.0	69.5	38.4	39.5
2	13.410	33.8	32.5	19.2	5.8	0.7	28.4	31.1	29.8	80.5	49.4	50.7
3	13.553	34.9	34.5	19.2	5.8	0.7	28.4	32.2	31.8	90.5	58.3	58.7
4	13.567	34.5	33.7	19.2	5.8	0.7	28.4	31.8	31.0	90.5	58.7	59.5
5	13.710	33.3	32.2	19.2	5.8	0.7	28.4	30.6	29.5	80.5	49.9	51.0
6	14.010	33.0	31.8	19.2	5.8	0.7	28.5	30.2	29.0	69.5	39.3	40.5

Outside filed strength frequencies

- filed strength band $F_c \pm 7\text{kHz}$: 13.553MHz to 13.567MHz
 - Outside filde strength $F_c \pm 150\text{kHz}$: 13.410MHz to 13.710MHz
 - Outside filde strength $F_c \pm 450\text{kHz}$: 13.110MHz to 14.010MHz
- $F_c = 13.56\text{MHz}$

Limits (3m)

- 13.410MHz to 13.553MHz and 13.567MHz to 13.710MHz : $50.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 90.5\text{dBuV/m}$ (FCC15.225(b))
- 13.110MHz to 14.010MHz and 13.710MHz to 14.010MHz : $40.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 80.5\text{dBuV/m}$ (15.225(c))
- Below 13.110MHz and Above 14.010MHz : $29.5\text{dBuV/m} + 40\log 30\text{m}/3\text{m} = 69.5\text{dBuV/m}$ (FCC15.225(d)and FCC15.209)

Antenna: KLP-01(HFH2-Z2) 0.009-30MHz
KCC-30/31/32/34(RE)
AMP: KAF-05(8447D)
Receiver: KTR-03

DATA OF RADIATION TEST

UL Japan, Inc.

YAMAKITA No.1 ANECHOIC CHAMBER

Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: Y)
Remarks : -
Date : 1/24/2008
Test Distance : 3 m
Temperature : 23 °C Engineer : Fumiaki Matsuo
Humidity : 35 %
Regulation : FCC Part15C § 15.209 9KHz-30MHz (3m)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	1.68	BB	39.5	37.4	19.1	28.4	0.2	6.0	36.4	34.3	63.1	26.7	28.8	
2.	27.12	BB	29.8	29.7	20.4	28.5	1.0	5.8	28.5	28.4	69.5	41.0	41.1	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KLP-01 (HFH2-Z2) 0.009MHz-30MHz

■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-03 (ESHS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: M)
Remarks : -
Date : 1/24/2008
Test Distance : 3 m
Temperature : 23 °C Engineer : Fumiaki Matsuo
Humidity : 35 %
Regulation : FCC Part15C § 15.209 9KHz-30MHz (3m)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]		
1.	1.68	BB	39.3	37.3	19.1	28.4	0.2	6.0	36.2	34.2	63.1	26.9	28.9	
2.	27.12	BB	29.5	29.4	20.4	28.5	1.0	5.8	28.2	28.1	69.5	41.3	41.4	

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KLP-01 (HFH2-Z2) 0.009MHz-30MHz

■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-03 (ESHS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: C)
Remarks : -
Date : 1/24/2008
Test Distance : 3 m
Temperature : 23 °C Engineer : Fumiaki Matsuo
Humidity : 35 %
Regulation : FCC Part15C § 15.209 9KHz-30MHz (3m)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT			LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]	HOR [dB]	VER [dB]	
1.	1.68	BB	39.5	38.0	19.1	28.4	0.2	6.0	36.4	34.9	63.1	26.7	28.2		
2.	27.12	BB	29.4	29.4	20.4	28.5	1.0	5.8	28.1	28.1	69.5	41.4	41.4		

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KLP-01 (HFH2-Z2) 0.009MHz-30MHz
■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-03 (ESHS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
Kind of Equipment : Color Laser printer
Model No. : Pro-C900
Serial No. : 48BE-010012
Power : AC240V/60Hz
Mode : Tx (Module: K)
Remarks : -
Date : 1/24/2008
Test Distance : 3 m
Temperature : 23 °C Engineer : Fumiaki Matsuo
Humidity : 35 %
Regulation : FCC Part15C § 15.209 9KHz-30MHz (3m)

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT			LIMITS		MARGIN	
			HOR [dB μ V]	VER [dB μ V]					HOR [dB μ V/m]	VER [dB μ V/m]	HOR [dB]	VER [dB]	HOR [dB]	VER [dB]	
1.	1.68	BB	39.8	37.7	19.1	28.4	0.2	6.0	36.7	34.6	63.1	26.4	28.5		
2.	27.12	BB	29.7	29.6	20.4	28.5	1.0	5.8	28.4	28.3	69.5	41.1	41.2		

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KLP-01 (HFH2-Z2) 0.009MHz-30MHz
■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-03 (ESHS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
 Kind of Equipment : Color Laser printer
 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: Y)
 Remarks : -
 Date : 1/23/2008
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.69	BB	28.8	36.2	13.5	28.8	1.2	5.8	20.5	27.9	40.0	19.5	12.1
2.	54.26	BB	38.0	39.1	9.2	28.6	1.4	5.8	25.8	26.9	40.0	14.2	13.1
3.	67.82	BB	34.4	39.8	6.7	28.5	1.6	5.8	20.0	25.4	40.0	20.0	14.6
4.	81.36	BB	43.9	43.4	6.6	28.6	1.8	5.8	29.5	29.0	40.0	10.5	11.0
5.	94.92	BB	34.8	36.6	9.2	28.6	2.0	5.8	23.2	25.0	43.5	20.3	18.5
6.	108.49	BB	41.3	40.3	11.3	28.4	2.1	5.8	32.1	31.1	43.5	11.4	12.4
7.	122.03	BB	35.4	36.8	13.0	28.4	2.3	5.8	28.1	29.5	43.5	15.4	14.0
8.	135.59	BB	33.1	39.9	13.9	28.4	2.4	5.8	26.8	33.6	43.5	16.7	9.9
9.	149.17	BB	38.3	39.0	14.7	28.3	2.6	5.8	33.1	33.8	43.5	10.4	9.7
10.	254.91	BB	38.6	33.8	17.6	27.6	3.5	5.8	37.9	33.1	46.0	8.1	12.9
11.	373.61	BB	37.4	41.0	16.5	28.1	4.8	5.9	36.5	40.1	46.0	9.5	5.9
12.	450.02	BB	36.2	35.8	17.9	28.8	5.4	5.9	36.6	36.2	46.0	9.4	9.8
13.	700.02	BB	31.8	31.2	20.4	29.2	6.3	5.9	35.2	34.6	46.0	10.8	11.4
14.	775.07	BB	26.2	31.6	21.2	28.9	6.6	5.9	31.0	36.4	46.0	15.0	9.6

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
 Kind of Equipment : Color Laser printer
 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: M)
 Remarks : -
 Date : 1/23/2008
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.69	BB	32.4	39.7	13.5	28.8	1.2	5.8	24.1	31.4	40.0	15.9	8.6
2.	54.25	BB	38.9	39.3	9.3	28.6	1.4	5.8	26.8	27.2	40.0	13.2	12.8
3.	67.81	BB	35.5	41.3	6.7	28.5	1.6	5.8	21.1	26.9	40.0	18.9	13.1
4.	81.37	BB	44.7	43.7	6.6	28.6	1.8	5.8	30.3	29.3	40.0	9.7	10.7
5.	94.89	BB	35.0	36.2	9.2	28.6	2.0	5.8	23.4	24.6	43.5	20.1	18.9
6.	108.49	BB	38.5	37.7	11.3	28.4	2.1	5.8	29.3	28.5	43.5	14.2	15.0
7.	122.03	BB	32.4	35.7	13.0	28.4	2.3	5.8	25.1	28.4	43.5	18.4	15.1
8.	135.62	BB	32.4	37.6	13.9	28.4	2.4	5.8	26.1	31.3	43.5	17.4	12.2
9.	149.16	BB	32.5	35.1	14.7	28.3	2.6	5.8	27.3	29.9	43.5	16.2	13.6
10.	254.90	BB	38.7	33.5	17.6	27.6	3.5	5.8	38.0	32.8	46.0	8.0	13.2
11.	373.60	BB	38.5	39.3	16.5	28.1	4.8	5.9	37.6	38.4	46.0	8.4	7.6
12.	450.02	BB	35.4	33.5	17.9	28.8	5.4	5.9	35.8	33.9	46.0	10.2	12.1
13.	700.02	BB	31.5	30.6	20.4	29.2	6.3	5.9	34.9	34.0	46.0	11.1	12.0
14.	775.07	BB	26.9	30.8	21.2	28.9	6.6	5.9	31.7	35.6	46.0	14.3	10.4

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
 Kind of Equipment : Color Laser printer
 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: C)
 Remarks : -
 Date : 1/23/2008
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.70	BB	34.0	40.0	13.5	28.8	1.2	5.8	25.7	31.7	40.0	14.3	8.3
2.	54.25	BB	39.0	39.6	9.3	28.6	1.4	5.8	26.9	27.5	40.0	13.1	12.5
3.	67.81	BB	38.0	42.9	6.7	28.5	1.6	5.8	23.6	28.5	40.0	16.4	11.5
4.	81.36	BB	45.2	44.8	6.6	28.6	1.8	5.8	30.8	30.4	40.0	9.2	9.6
5.	94.93	BB	34.1	36.6	9.2	28.6	2.0	5.8	22.5	25.0	43.5	21.0	18.5
6.	108.49	BB	39.6	38.2	11.3	28.4	2.1	5.8	30.4	29.0	43.5	13.1	14.5
7.	122.03	BB	32.0	34.8	13.0	28.4	2.3	5.8	24.7	27.5	43.5	18.8	16.0
8.	135.63	BB	34.1	38.3	13.9	28.4	2.4	5.8	27.8	32.0	43.5	15.7	11.5
9.	149.17	BB	35.0	35.5	14.7	28.3	2.6	5.8	29.8	30.3	43.5	13.7	13.2
10.	254.89	BB	38.2	33.1	17.6	27.6	3.5	5.8	37.5	32.4	46.0	8.5	13.6
11.	373.59	BB	38.6	39.9	16.5	28.1	4.8	5.9	37.7	39.0	46.0	8.3	7.0
12.	450.02	BB	35.2	34.0	17.9	28.8	5.4	5.9	35.6	34.4	46.0	10.4	11.6
13.	700.02	BB	31.6	31.0	20.4	29.2	6.3	5.9	35.0	34.4	46.0	11.0	11.6
14.	775.07	BB	26.5	31.0	21.2	28.9	6.6	5.9	31.3	35.8	46.0	14.7	10.2

CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30_31_32_34 (RE)

DATA OF RADIATION TEST

UL Japan, Inc.
YAMAKITA No.1 ANECHOIC CHAMBER
Report No. : 28FE0088-YK-A

Applicant : RICOH COMPANY LTD.
 Kind of Equipment : Color Laser printer
 Model No. : Pro-C900
 Serial No. : 48BE-010012
 Power : AC240V/60Hz
 Mode : Tx (Module: K)
 Remarks : -
 Date : 1/23/2008
 Test Distance : 3 m
 Temperature : 22 °C
 Humidity : 35 %
 Regulation : FCC Part15C § 15.209

Engineer : Fumiaki Matsuo

No.	FREQ. [MHz]	ANT TYPE	READING		ANT FACTOR [dB/m]	AMP GAIN [dB]	CABLE LOSS [dB]	ATTEN. [dB]	RESULT		LIMITS [dB μ V/m]	MARGIN	
			HOR [dB μ V]	VER					HOR [dB μ V/m]	VER		HOR [dB]	VER
1.	40.69	BB	31.2	37.0	13.5	28.8	1.2	5.8	22.9	28.7	40.0	17.1	11.3
2.	54.26	BB	37.3	37.2	9.2	28.6	1.4	5.8	25.1	25.0	40.0	14.9	15.0
3.	67.81	BB	35.9	40.2	6.7	28.5	1.6	5.8	21.5	25.8	40.0	18.5	14.2
4.	81.37	BB	45.0	43.6	6.6	28.6	1.8	5.8	30.6	29.2	40.0	9.4	10.8
5.	94.95	BB	35.0	35.1	9.2	28.6	2.0	5.8	23.4	23.5	43.5	20.1	20.0
6.	108.50	BB	39.9	41.3	11.3	28.4	2.1	5.8	30.7	32.1	43.5	12.8	11.4
7.	122.03	BB	33.0	36.6	13.0	28.4	2.3	5.8	25.7	29.3	43.5	17.8	14.2
8.	135.61	BB	34.8	39.0	13.9	28.4	2.4	5.8	28.5	32.7	43.5	15.0	10.8
9.	149.17	BB	34.9	34.0	14.7	28.3	2.6	5.8	29.7	28.8	43.5	13.8	14.7
10.	254.89	BB	38.5	33.3	17.6	27.6	3.5	5.8	37.8	32.6	46.0	8.2	13.4
11.	373.60	BB	36.0	40.5	16.5	28.1	4.8	5.9	35.1	39.6	46.0	10.9	6.4
12.	450.02	BB	35.8	34.2	17.9	28.8	5.4	5.9	36.2	34.6	46.0	9.8	11.4
13.	700.02	BB	31.7	31.1	20.4	29.2	6.3	5.9	35.1	34.5	46.0	10.9	11.5
14.	775.06	BB	26.6	31.1	21.2	28.9	6.6	5.9	31.4	35.9	46.0	14.6	10.1

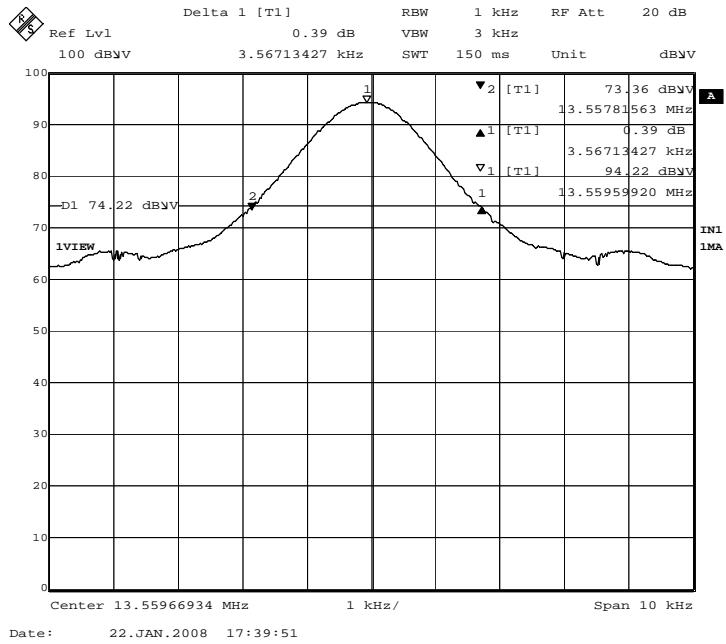
CALCULATION: READING + ANT. FACTOR + CABLE LOSS - AMP. GAIN + ATTEN.

■ ANTENNA: KBA-03 (BBA9106) 30-299.99MHz/KLA-03 (USLP9143) 300-1000MHz
 ■ AMP: KAF-05 (8447D) ■ RECEIVER: KTR-04 (ESVS10) ■ KCC-30_31_32_34 (RE)

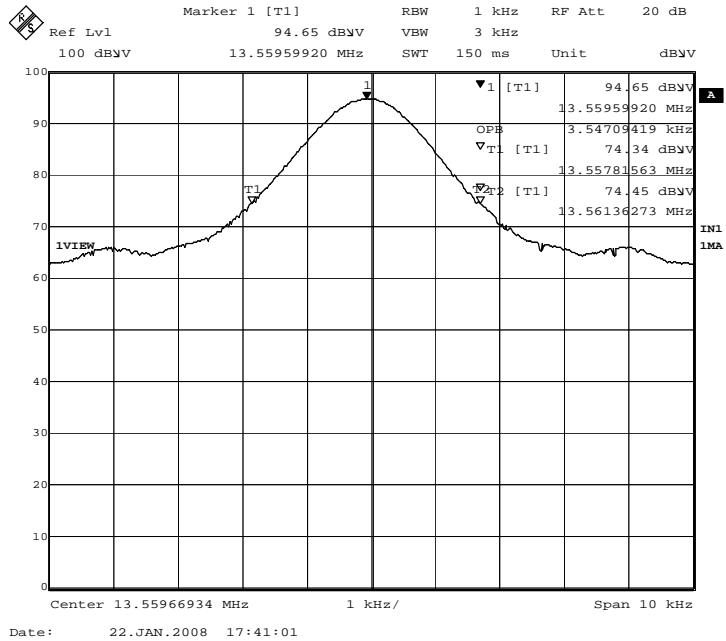
Bandwidth: FCC 15.215(c)

COMPANY	: RICOH COMPANY LTD.	UL Japan. Inc. Yamakita No4 Shield room
Equipment	: Color Laser printer	REPORT No. : 28FE0088-YK-A
MODEL NUMBER	: Pro-C900	REGULATION : FCC Part15SubpartC 215(c)
SERIAL NUMBER	: 48BE-010012	DATE : 2008/1/22
POWER	: AC240V/60Hz	TEMP./HUMI : 25°C/32%
		TEST MODE : Transmitting (Module: Y)
		ENGINEER : Tatsuya Arai

20dB Bandwidth: 3.57kHz



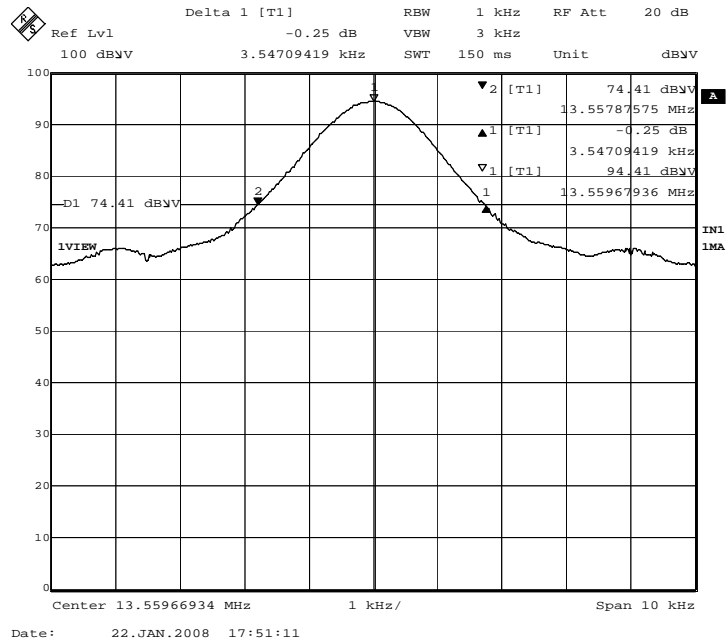
OBW(99%): 3.55kHz



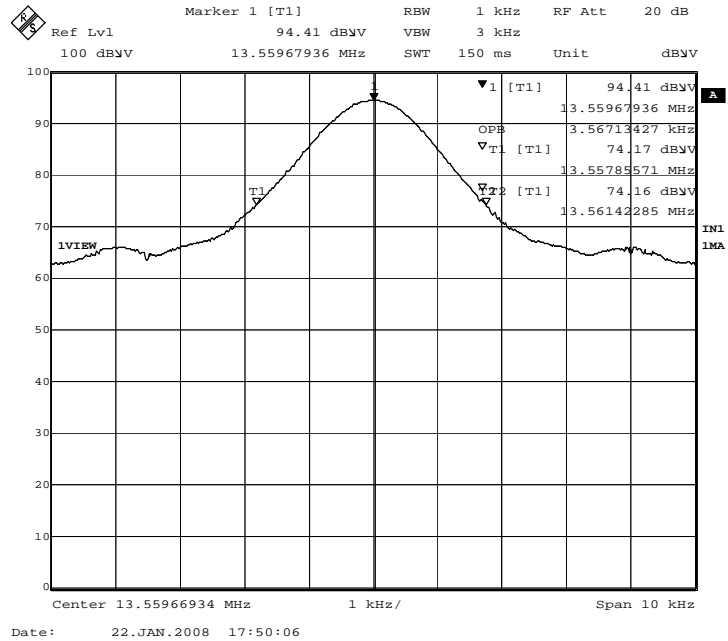
Bandwidth: FCC 15.215(c)

COMPANY	: RICOH COMPANY LTD.	UL Japan. Inc. Yamakita No4 Shield room
Equipment	: Color Laser printer	REPORT No. : 28FE0088-YK-A
MODEL NUMBER	: Pro-C900	REGULATION : FCC Part15SubpartC 215(c)
SERIAL NUMBER	: 48BE-010012	DATE : 2008/1/22
POWER	: AC240V/60Hz	TEMP./HUMI : 25°C/32%
		TEST MODE : Transmitting (Module: M)
		ENGINEER : Tatsuya Arai

20dB Bandwidth: 3.55kHz



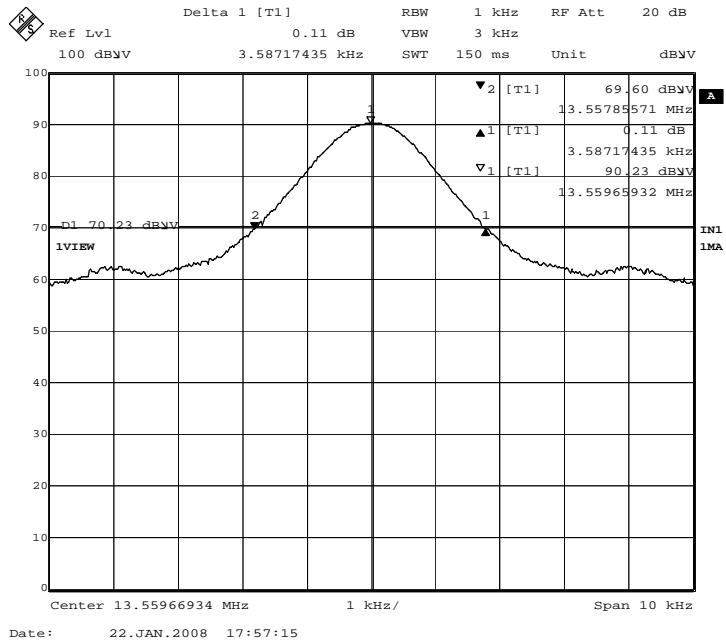
OBW(99%): 3.57kHz



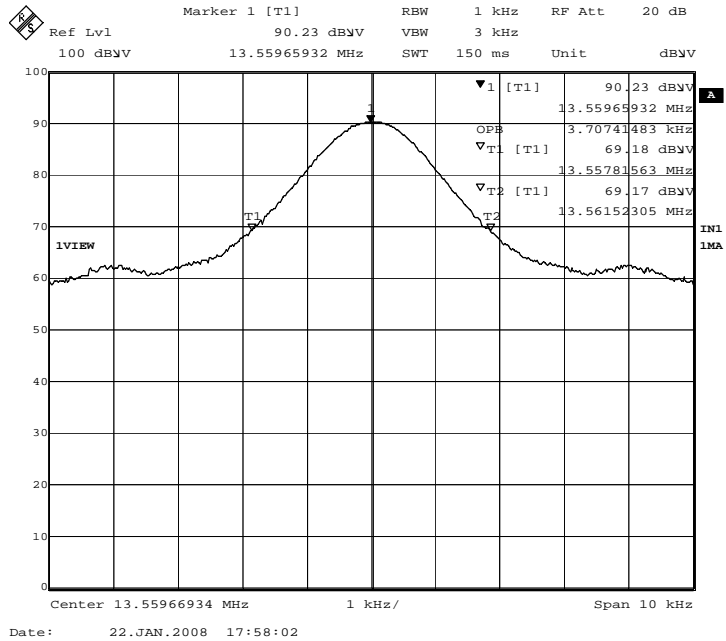
Bandwidth: FCC 15.215(c)

COMPANY	: RICOH COMPANY LTD.	UL Japan. Inc. Yamakita No4 Shield room
Equipment	: Color Laser printer	REPORT No. : 28FE0088-YK-A
MODEL NUMBER	: Pro-C900	REGULATION : FCC Part15SubpartC 215(c)
SERIAL NUMBER	: 48BE-010012	DATE : 2008/1/22
POWER	: AC240V/60Hz	TEMP./HUMI : 25°C/32%
		TEST MODE : Transmitting (Module: C)
		ENGINEER : Tatsuya Arai

20dB Bandwidth: 3.59kHz



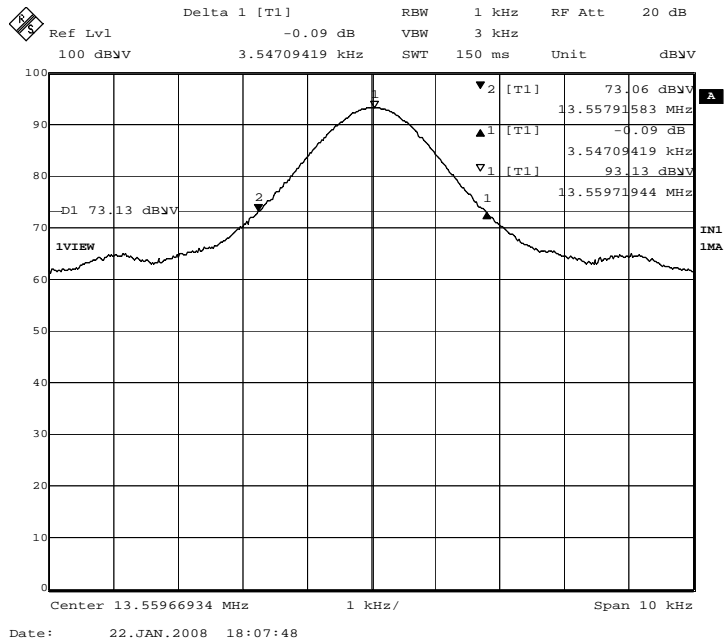
OBW(99%): 3.71kHz



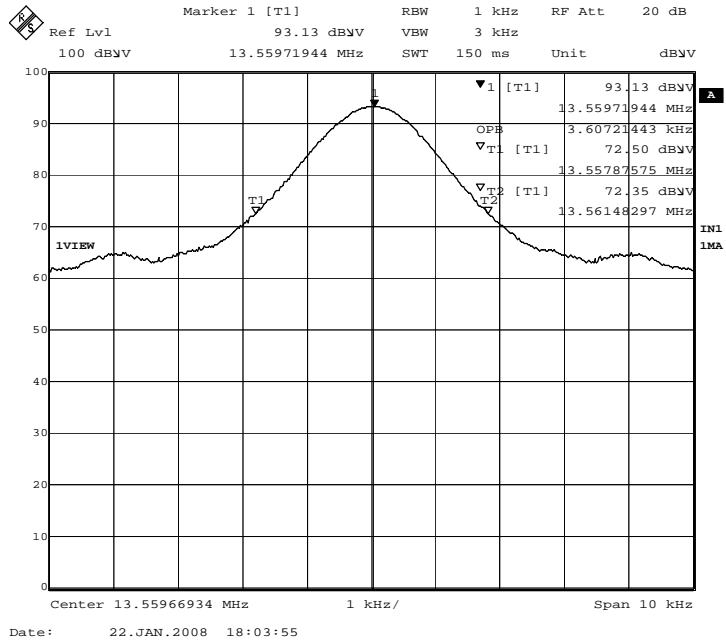
Bandwidth: FCC 15.215(c)

COMPANY	: RICOH COMPANY LTD.	UL Japan, Inc. Yamakita No4 Shield room
Equipment	: Color Laser printer	REPORT No. : 28FE0088-YK-A
MODEL NUMBER	: Pro-C900	REGULATION : FCC Part15SubpartC 215(c)
SERIAL NUMBER	: 48BE-010012	DATE : 2008/1/22
POWER	: AC240V/60Hz	TEMP./HUMI : 25°C/32%
		TEST MODE : Transmitting (Module: K)
		ENGINEER : Tatsuya Arai

20dB Bandwidth: 3.55kHz



OBW(99%): 3.61kHz



Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No4 Shield room

Company : RICOH COMPANY LTD. Report No. : 28FE0088-YK-A
Equipment : Color Laser printer Regulation : FCC Part15 SupartC 15.225 (e)
Model : Pro-C900
Sample No. : 48BE-010012 Date : 2008/1/25
Power : DC5V Temperature : 20deg.C
Mode : Transmitting (13.56MHz) Module: Y Humidity : 35%

ENGINEER : Fumiaki Matsuo

Temperature Variation: -20deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559534	-0.000466	-0.00344	0.01
after 2minutes	13.56	13.559560	-0.000440	-0.00324	0.01
after 5minutes	13.56	13.559561	-0.000439	-0.00324	0.01
after 10minutes	13.56	13.559562	-0.000438	-0.00323	0.01

Temperature Variation: -10deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559645	-0.000355	-0.00262	0.01
after 2minutes	13.56	13.559658	-0.000342	-0.00252	0.01
after 5minutes	13.56	13.559658	-0.000342	-0.00252	0.01
after 10minutes	13.56	13.559657	-0.000343	-0.00253	0.01

Temperature Variation: 0deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559696	-0.000304	-0.00224	0.01
after 2minutes	13.56	13.559703	-0.000297	-0.00219	0.01
after 5minutes	13.56	13.559702	-0.000298	-0.00220	0.01
after 10minutes	13.56	13.559701	-0.000299	-0.00221	0.01

Temperature Variation: 10deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559715	-0.000285	-0.00210	0.01
after 2minutes	13.56	13.559716	-0.000284	-0.00209	0.01
after 5minutes	13.56	13.559715	-0.000285	-0.00210	0.01
after 10minutes	13.56	13.559714	-0.000286	-0.00211	0.01

Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No4 Shield room

Company : RICOH COMPANY LTD. Report No. : 28FE0088-YK-A
Equipment : Color Laser printer Regulation : FCC Part15 SupartC 15.225 (e)
Model : Pro-C900
Sample No. : 48BE-010012 Date : 2008/1/25
Power : DC5V Temperature : 20deg.C
Mode : Transmitting (13.56MHz) Module: Y Humidity : 35%

ENGINEER : Fumiaki Matsuo

Temperature Variation: 20deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559710	-0.000290	-0.00214	0.01
after 2minutes	13.56	13.559709	-0.000291	-0.00215	0.01
after 5minutes	13.56	13.559708	-0.000292	-0.00215	0.01
after 10minutes	13.56	13.559707	-0.000293	-0.00216	0.01

Temperature Variation: 30deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559693	-0.000307	-0.00226	0.01
after 2minutes	13.56	13.559691	-0.000309	-0.00228	0.01
after 5minutes	13.56	13.559690	-0.000310	-0.00229	0.01
after 10minutes	13.56	13.559689	-0.000311	-0.00229	0.01

Temperature Variation: 40deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559675	-0.000325	-0.00240	0.01
after 2minutes	13.56	13.559673	-0.000327	-0.00241	0.01
after 5minutes	13.56	13.559673	-0.000327	-0.00241	0.01
after 10minutes	13.56	13.559672	-0.000328	-0.00242	0.01

Temperature Variation: 50deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559666	-0.000334	-0.00246	0.01
after 2minutes	13.56	13.559664	-0.000336	-0.00248	0.01
after 5minutes	13.56	13.559664	-0.000336	-0.00248	0.01
after 10minutes	13.56	13.559664	-0.000336	-0.00248	0.01

Data of Frequency Tolerance: FCC 15.225(e)

UL Japan, Inc.
YAMAKITA No.4 Shield room

Company : RICOH COMPANY LTD. Report No. : 28FE0088-YK-A
Equipment : Color Laser printer Regulation : FCC Part15 SupartC 15.225 (e)
Model : Pro-C900
Sample No. : 48BE-010012 Date : 2008/1/25
Power : DC5V Temperature : 20deg.C
Mode : Transmitting (13.56MHz) Module: Y Humidity : 35%

ENGINEER : Fumiaki Matsuo

Input Voltage:DC4.25V (85%)

Temperature Variation: 20deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559678	-0.000322	-0.00237	0.01
after 2minutes	13.56	13.559675	-0.000325	-0.00240	0.01
after 5minutes	13.56	13.559674	-0.000326	-0.00240	0.01
after 10minutes	13.56	13.559673	-0.000327	-0.00241	0.01

Input Voltage:DC5.5V(110%)

Temperature Variation: 20deg.C

Test Conditions	Original Frequency (MHz)	Measure Frequency (MHz)	Frequency Error (kHz)	Frequency tolerance (%)	Limit (%)
startup	13.56	13.559703	-0.000297	-0.00219	0.01
after 2minutes	13.56	13.559709	-0.000291	-0.00215	0.01
after 5minutes	13.56	13.559705	-0.000295	-0.00218	0.01
after 10minutes	13.56	13.559704	-0.000296	-0.00218	0.01

**APPENDIX 3
Test Instruments**

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Test Item	Calibration Date * Interval(month)
YA-RE	Radiated emission(software)	UL Japan	RE(Ver.1.5)	RE	-
KAEC-01	Anechoic Chamber	JSE	Semi 3m	RE	2007/08/26 * 12
KAF-05	Pre Amplifier	Agilent	8447D	RE	2007/04/13 * 12
KAT6-01	Attenuator	INMET	18N-6dB	RE	2007/03/28 * 12
KBA-03	Biconical Antenna	Schwarzbeck	BBA9106	RE	2007/12/27 * 12
KCC-30/31/32 /34/KRM-03	Coaxial Cable/RF Relay Matrix	Fujikura/Suhner/TSJ	5D-2W/S04272B/RFM-E421	RE	2007/11/01 * 12
KLA-03	Logperiodic Antenna	Schwarzbeck	USLP9143	RE	2007/12/27 * 12
KOS-02	Humidity Indicator	Custom	CTH-190	RE/CE	2006/07/10 * 24
KSA-04	Spectrum Analyzer	Advantest	R3271A	RE/CE	2007/09/25 * 12
KTR-04	Test Receiver	Rohde & Schwarz	ESVS10	RE	2007/10/30 * 12
KJM-01	Measure	TAJIMA	GL19-55	RE/CE	-
KLP-01	Loop Antenna	Rohde & Schwarz	HFH2-Z2	RE	2007/06/11 * 12
KTR-03	Test Receiver	Rohde & Schwarz	ESHS10	RE/CE	2007/02/05 * 12
YA-CE	Conducted emission(software)	UL Japan	CE(Ver.1.6)	CE	-
KCC-A1/A3	Coaxial Cable	Fujikura	5D-2W	CE	2007/05/15 * 12
KLS-03	LISN(AMN)	Schwarzbeck	NNLK8129	CE	2007/05/15 * 12
KFC-01	Microwave Counter	Advantest	R5373	FT	2007/04/04 * 12
KTR-01	Test Receiver	Rohde & Schwarz	ESI40	BW	2007/04/12 * 12
KCC-A7	Coaxial Cable	Fujikura	5D-2W	FT/BW	2007/11/01 * 12
KSCA-01	Search coil	TSJ	SC01	FT/BW	Pre Check
KCH-01	Temperature and Humidity Chamber	Tabai Espec	PL-1KT	FT	2007/12/26 * 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 .

Test Item :

- CE: Conducted emission,
- RE: Radiated emission,
- BW: Bandwidth,
- FT: Frequency tolerance