



FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

P210
Appendices

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

P210 PRINTER MODEL DETAILED TEST RESULTS



FCC CERTIFICATION TEST REPORT

P210

Annex :1-1

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 16:12:18

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

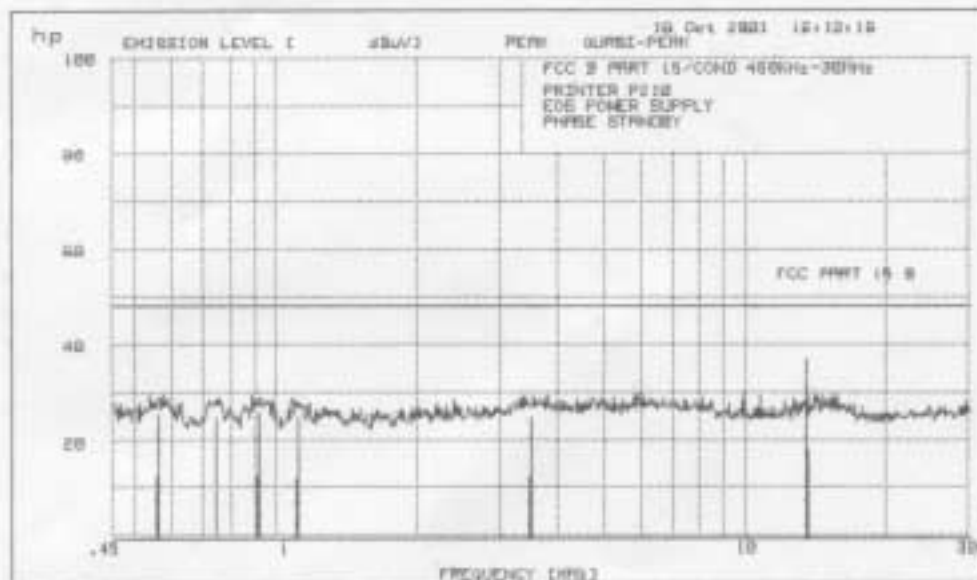
PRINTER P210

EOS POWER SUPPLY

PHASE STANDBY

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.5621	25.4	-22.6
2	.7476	24.5	-23.5
3	.9183	25.6	-22.4
4	1.114	24.5	-23.5
5	3.501	24.3	-23.7
6	13.52	36.6	-11.4





FCC CERTIFICATION TEST REPORT

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Annex :1-2

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 16:28:52

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

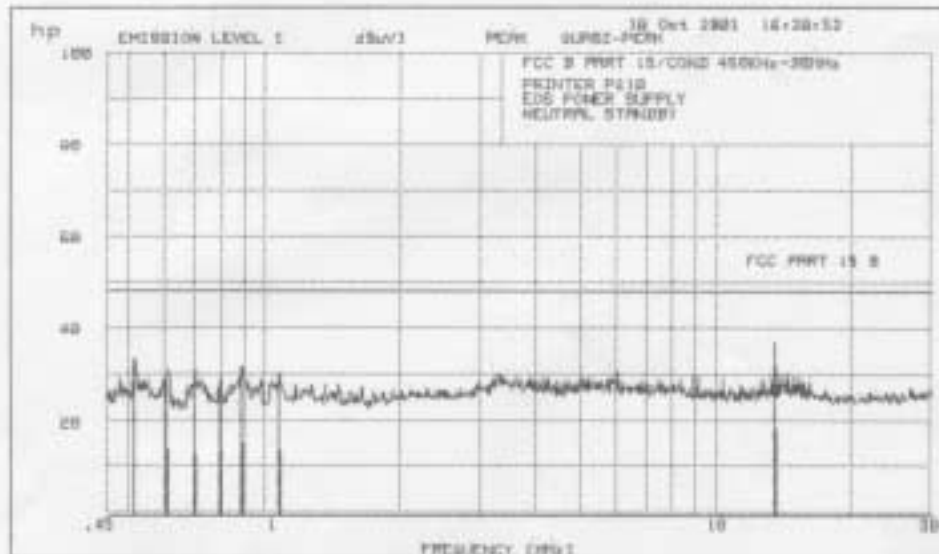
PRINTER P210

EOS POWER SUPPLY

NEUTRAL STANDBY

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.5147	31.8	-16.2
2	.6087	28.3	-15.7
3	.702	25.1	-22.9
4	.7995	26.7	-21.3
5	.8917	30.3	-17.7
6	1.077	27.5	-20.5
7	13.52	36.2	-11.8





FCC CERTIFICATION TEST REPORT

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Annex :1-3

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 15:48:59

1. SETUP

1.1 FCC B PART 15/COND 450kHz-30MHz

PRINTER P210

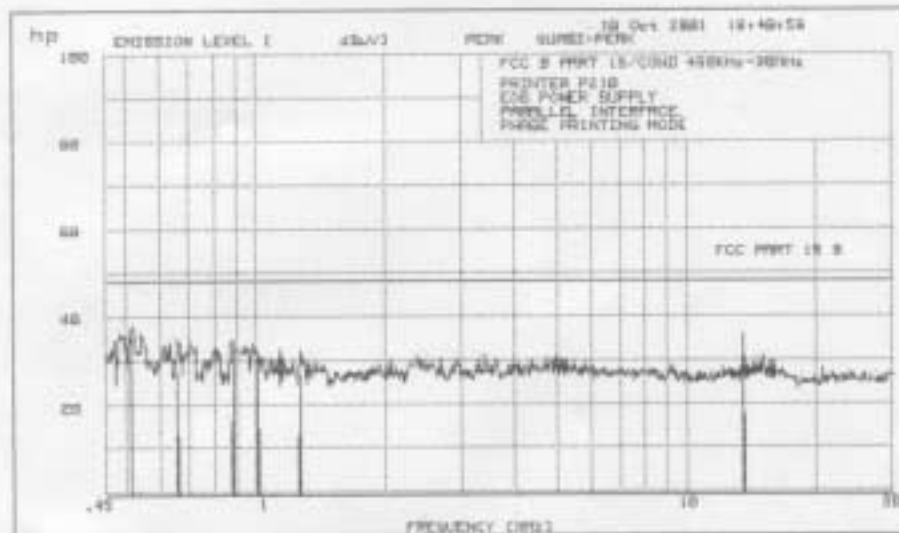
EOS POWER SUPPLY

PARALLEL INTERFACE

PHASE PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 5 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.6147	35.3	-12.7
2	.6592	26.6	-21.4
3	.898	32.6	-16.4
4	1.011	29.5	-19.5
5	1.253	26.4	-21.6
6	13.62	35.2	-12.8





FCC CERTIFICATION TEST REPORT

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Annex :1-4

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 15:57:02

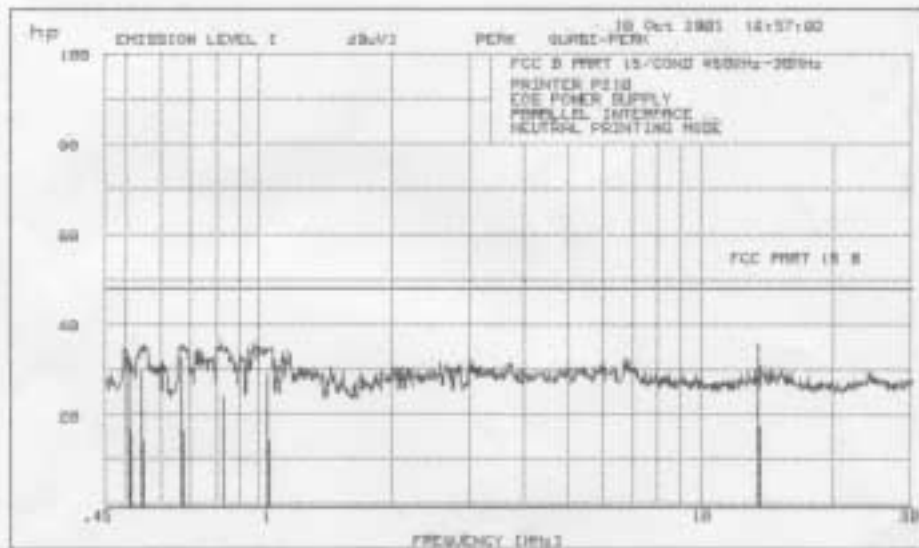
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
EOS POWER SUPPLY
PARALLEL INTERFACE
NEUTRAL PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 5 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.5104	32.7	-15.3
2	.5458	29.1	-18.9
3	.6732	32.4	-15.6
4	.8338	23.8	-24.2
5	1.05	28.6	-15.4
6	13.52	34.9	-13.1





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

P210
Annex :1-5

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 17:15:59

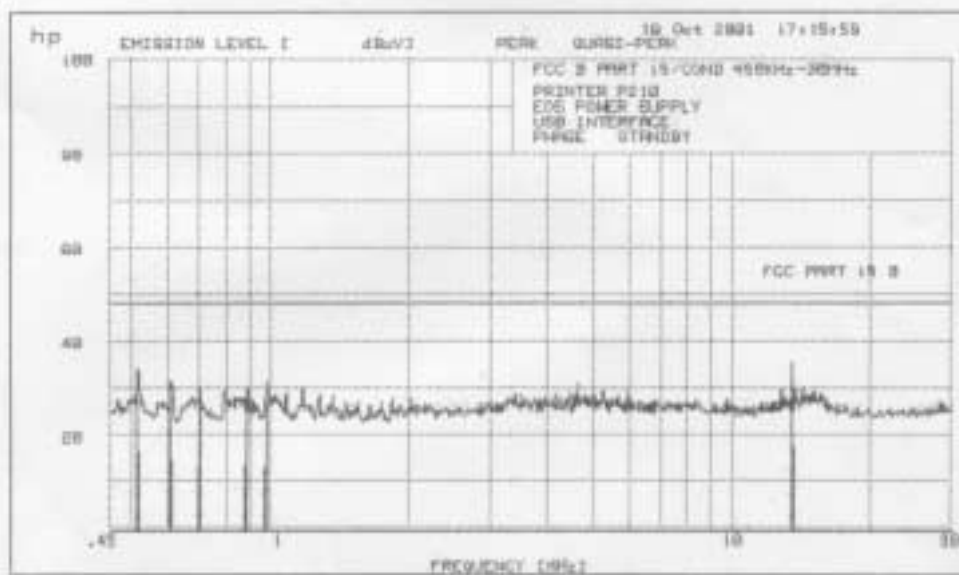
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
EOS POWER SUPPLY
USB INTERFACE
PHASE STANDBY

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.5168	33	-15.0
2	.6887	29.4	-18.6
3	.785	27.4	-20.6
4	.888	27.5	-20.5
5	.982	26.6	-21.4
6	13.52	35.2	-12.8





FCC CERTIFICATION TEST REPORT

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Annex :1-6

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 17:25:11

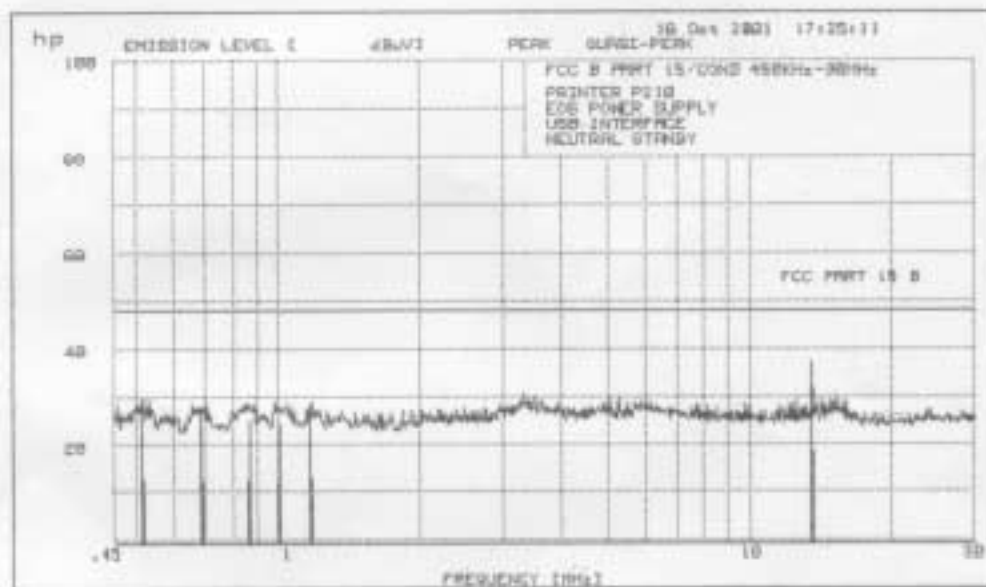
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
EOS POWER SUPPLY
USB INTERFACE
NEUTRAL STANDBY

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.5168	25.9	-22.1
2	.6903	24.9	-23.1
3	.8695	24.8	-23.2
4	1.007	24.2	-23.8
5	1.171	26.4	-21.6
6	13.52	37	-11.0





FCC CERTIFICATION TEST REPORT

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Annex :1-7

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D. RAUD

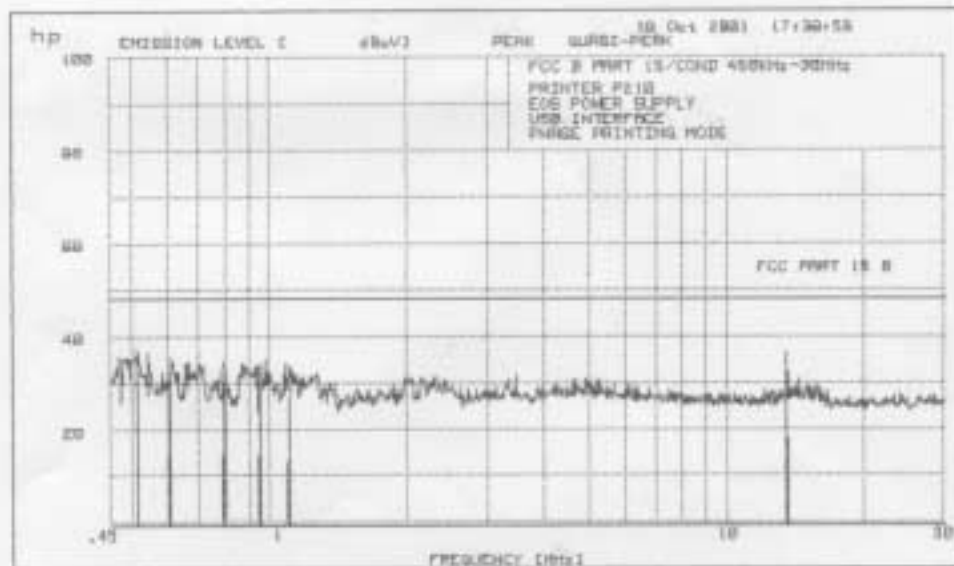
18-Oct-2001 17:38:56

1. SETUP
1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
EOS POWER SUPPLY
USB INTERFACE
PHASE PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.5147	35.1	-12.9
2	.6062	30.1	-17.9
3	.7962	29.9	-18.1
4	.9536	29.3	-18.7
5	1.104	26.6	-21.4
6	13.52	36.6	-11.5





FCC CERTIFICATION TEST REPORT

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Annex :1-8

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 17:46:06

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210

EOS POWER SUPPLY

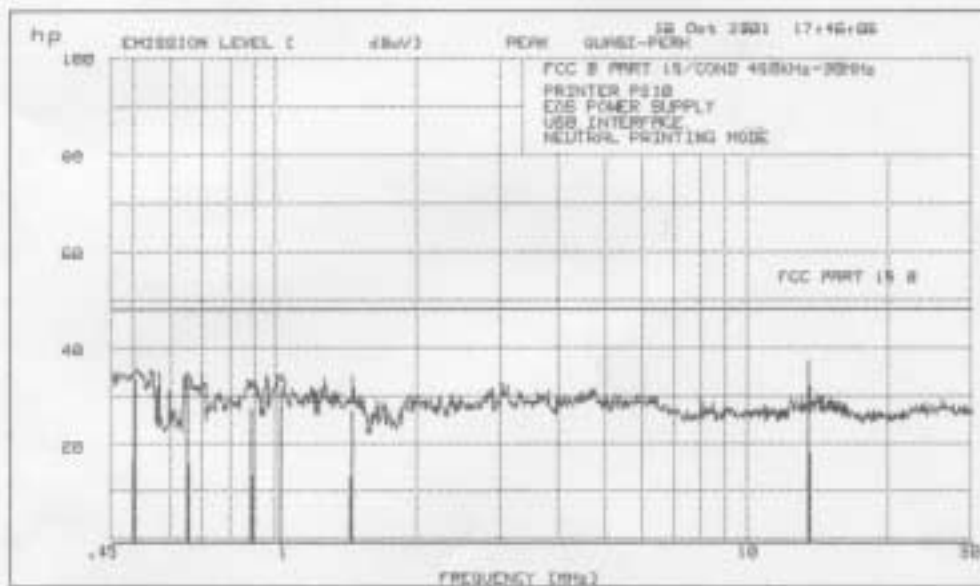
USB INTERFACE

NEUTRAL PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1

peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.504	33.2	-14.8
2	.6537	32.3	-15.7
3	.8917	27.1	-20.9
4	1.028	31.4	-16.6
5	1.451	26.6	-21.4
6	13.52	36.7	-11.3





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

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Annex :1-9

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 18:01:40

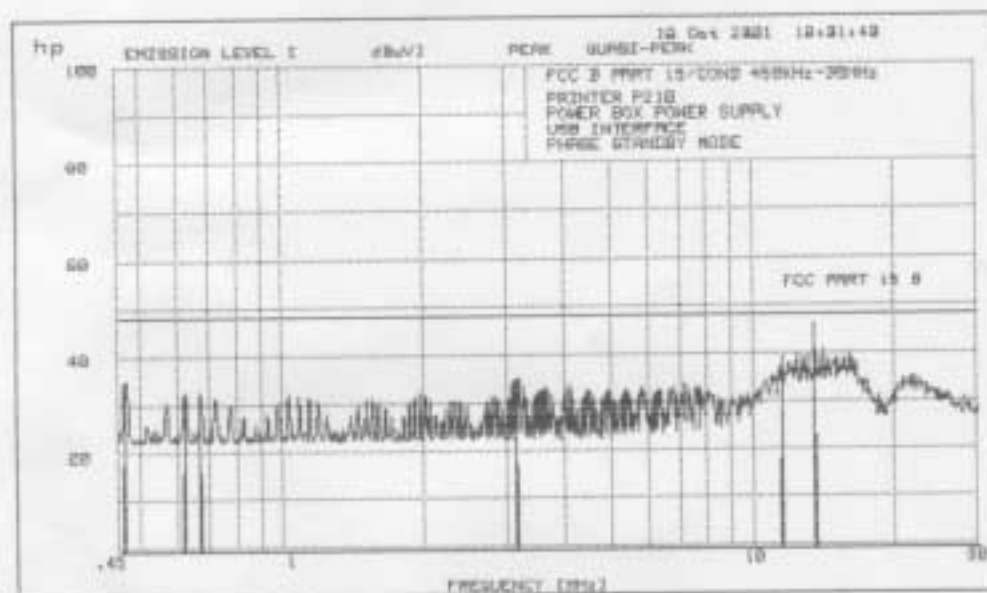
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
POWER BOX POWER SUPPLY
USB INTERFACE
PHASE STANDBY MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4654	34.7	-13.3
2	.6216	31.6	-16.4
3	.6732	31.6	-16.4
4	3.153	34.1	-13.9
5	11.53	35.6	-12.4
6	13.52	46.2	-1.8





FCC CERTIFICATION TEST REPORT

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Annex :1-10

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D. RAUD

18 Oct 2001 18:09:33

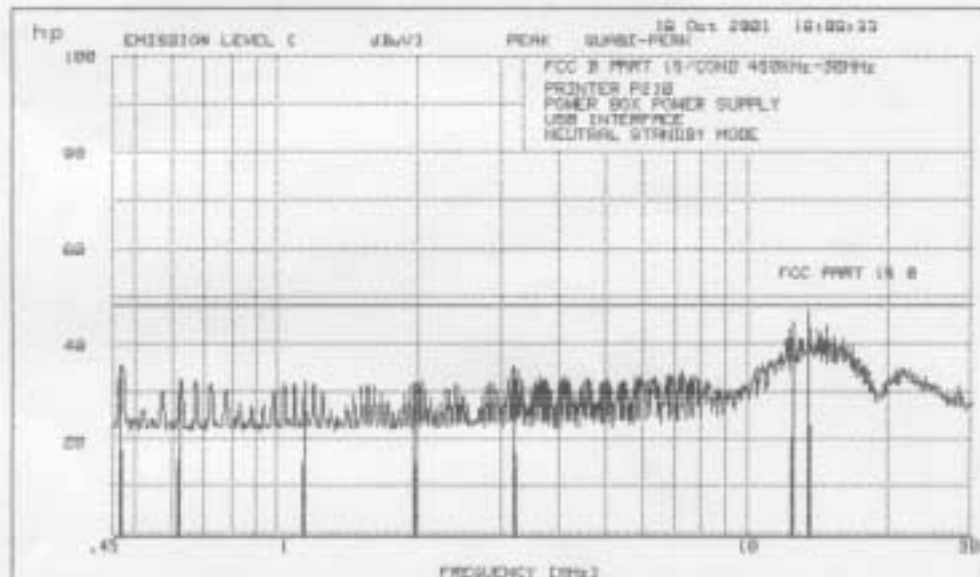
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
POWER BOX POWER SUPPLY
USB INTERFACE
NEUTRAL STANDBY MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4673	34.9	-13.1
2	.6216	31.1	-16.9
3	1.142	30.6	-17.4
4	1.971	30.7	-17.3
5	3.219	34.1	-13.9
6	12.54	41.1	-6.9
7	13.52	46.7	-1.3





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

P210

Annex :1-11

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 18:18:01

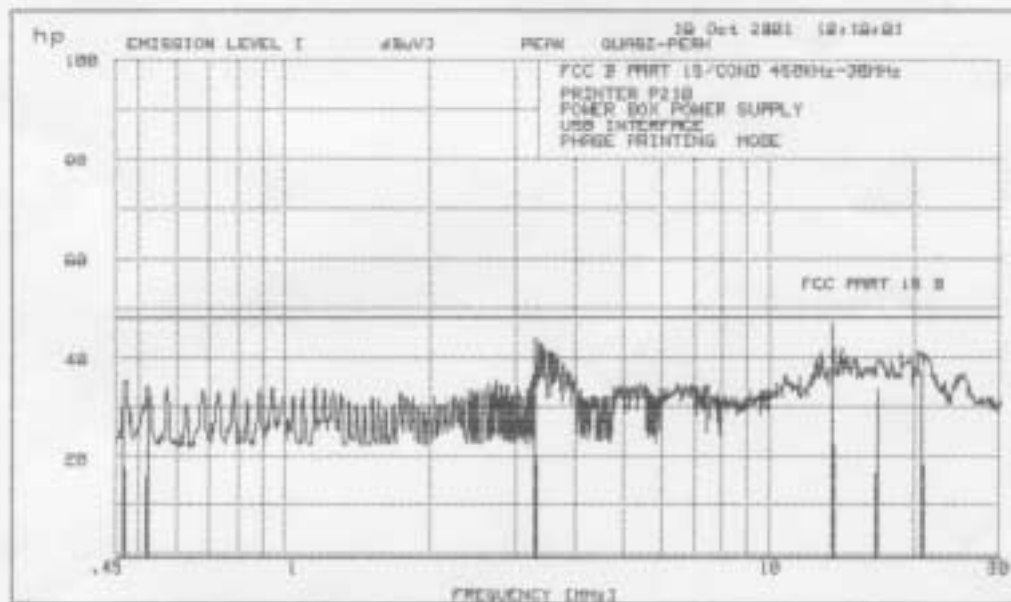
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
POWER BOX POWER SUPPLY
USB INTERFACE
PHASE PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 5 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4673	34.7	-13.3
2	.5234	31.8	-16.2
3	3.301	38.7	-9.3
4	13.52	45	-3.0
5	16.74	33.4	-14.6
6	20.74	37	-11.0





FCC CERTIFICATION TEST REPORT

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Annex :1-12

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

18 Oct 2001 18:28:44

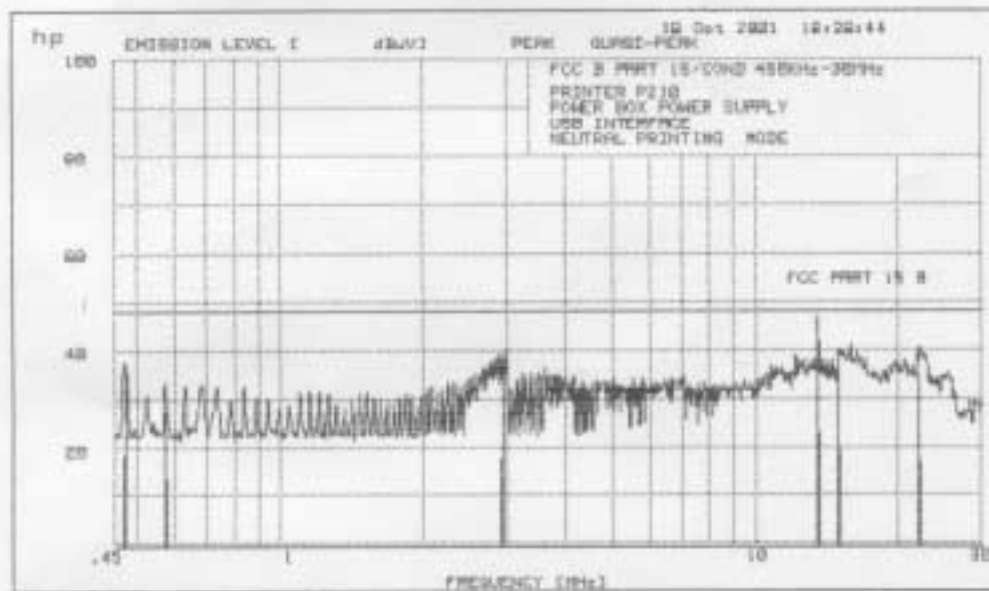
1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210
POWER BOX POWER SUPPLY
USB INTERFACE
NEUTRAL PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4732	37.1	-10.9
2	.5764	27.2	-20.8
3	2.948	36.1	-11.9
4	13.52	46.9	-1.1
5	14.96	39.7	-8.3
6	22.18	34.3	-13.7





FCC CERTIFICATION TEST REPORT

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Annex :1-13

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

19 Oct 2001 10:55:34

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210

POWER BOX POWER SUPPLY

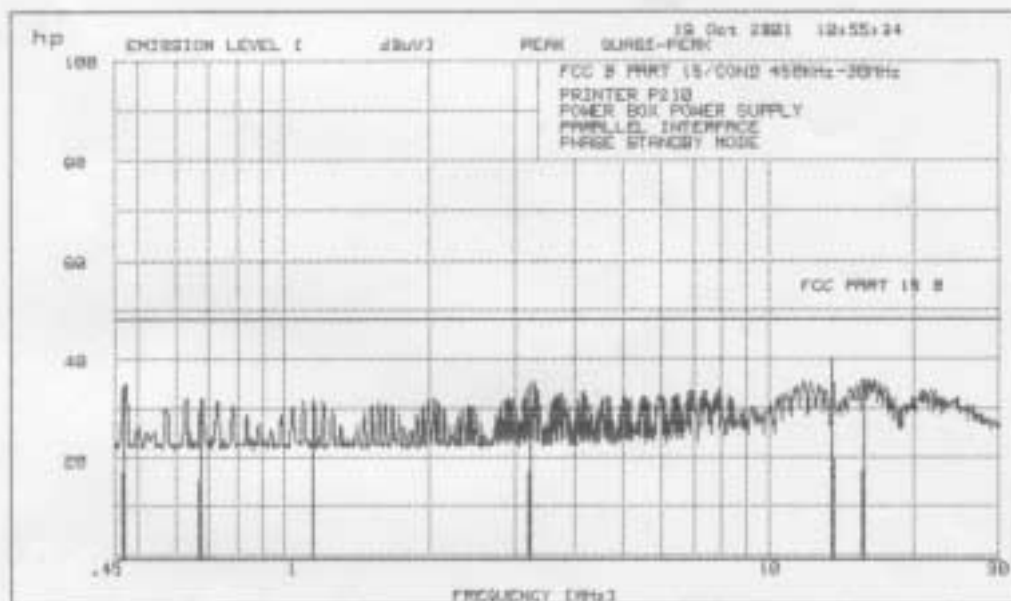
PARALLEL INTERFACE

PHASE STANDBY MODE

Quasi-Peaks above -30 dB of Limit Line #1

peak criteria = 5 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4693	34.3	-13.7
2	.676	30.8	-17.2
3	1.147	30.9	-17.1
4	3.233	34.1	-13.9
5	13.52	40	-8.0
6	15.72	34.8	-13.2





FCC CERTIFICATION TEST REPORT

P210

Annex :1-14

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

19 Oct 2001 11:02:28

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210

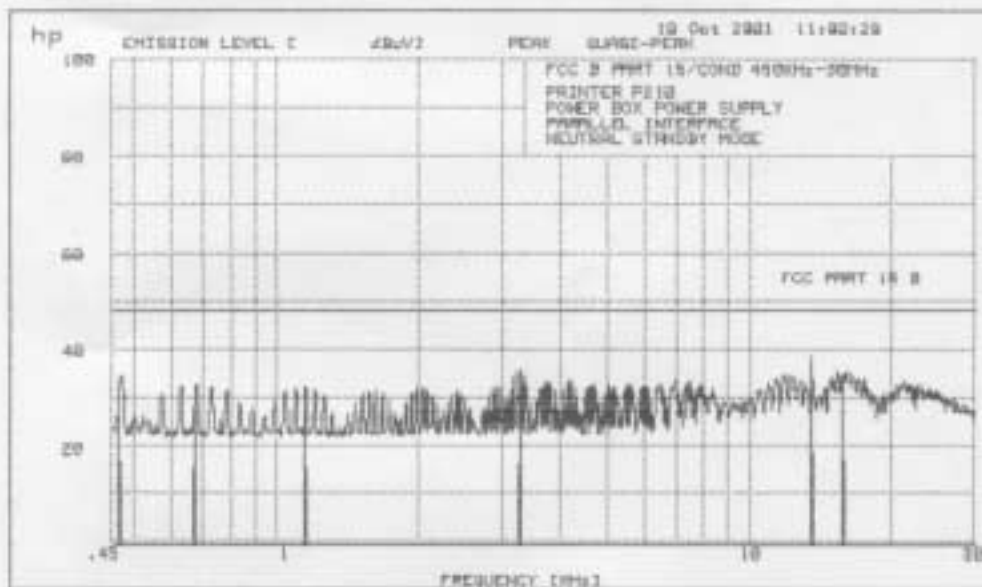
POWER BOX POWER SUPPLY

PARALLEL INTERFACE

NEUTRAL STANDBY MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4673	33.2	-14.8
2	.676	31.4	-16.6
3	1.152	31.1	-16.9
4	3.288	33.1	-14.9
5	13.52	38.3	-9.7
6	15.79	34.4	-13.6





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

P210

Annex :1-15

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/50Hz
MEASUREMENTS DONE BY : D.RAUD

19 Oct 2001 11:18:38

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210

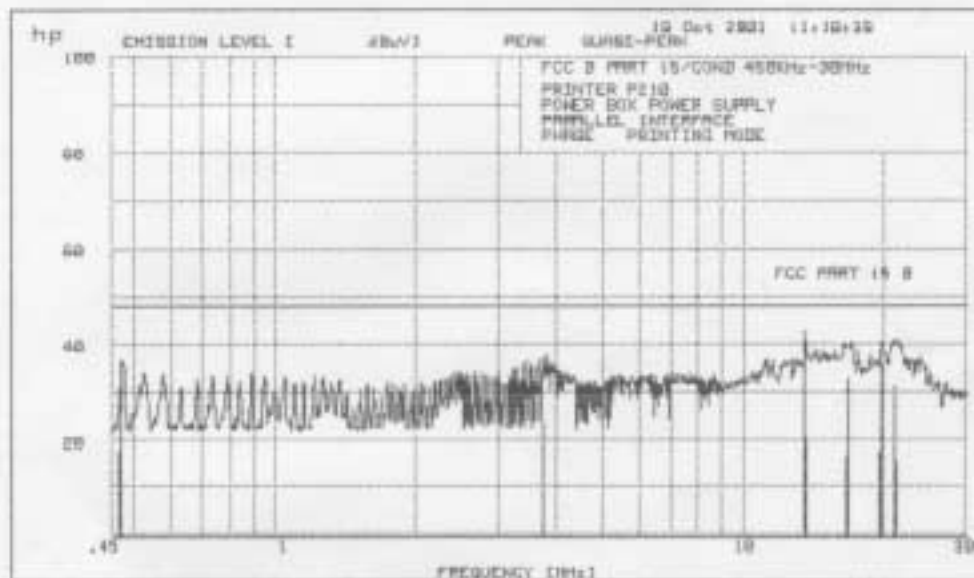
POWER BOX POWER SUPPLY

PARALLEL INTERFACE

PHASE PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4693	35.3	-12.7
2	3.744	23.3	-24.7
3	13.52	41.5	-6.5
4	16.74	32.4	-15.6
5	19.72	35.2	-12.8
6	21.18	30.9	-17.1





FCC CERTIFICATION TEST REPORT

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Annex :1-16

EQUIPMENT FCC ID : MX5402920001

Written by : D. RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15/2000 CLASS B
MEASUREMENT : AC POWER LINE CONDUCTED
CONDITIONS : 120V/60Hz
MEASUREMENTS DONE BY : D.RAUD

19 Oct 2001 11:29:49

1. SETUP

1.1 FCC B PART 15/COND 450KHz-30MHz

PRINTER P210

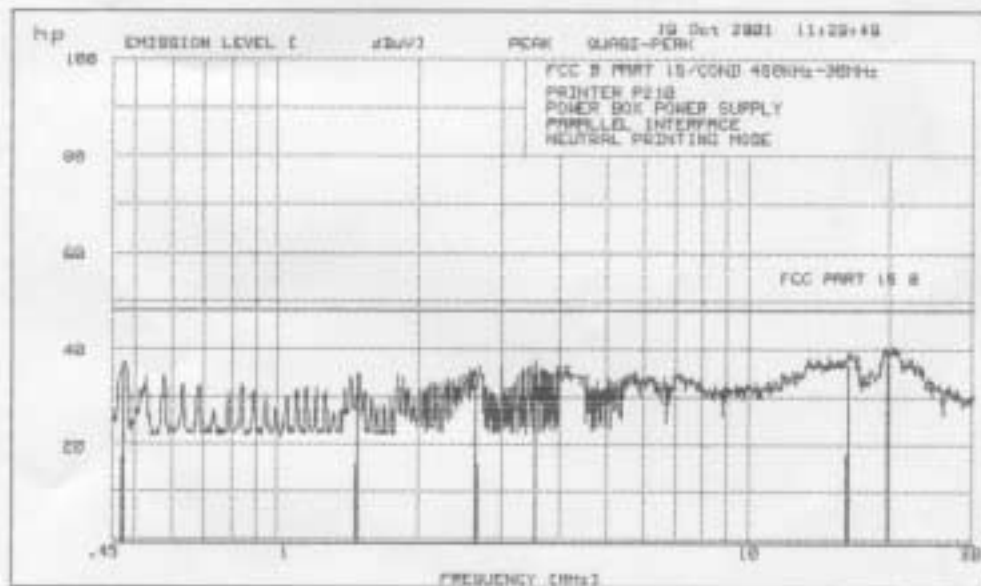
POWER BOX POWER SUPPLY

PARALLEL INTERFACE

NEUTRAL PRINTING MODE

Quasi-Peaks above -30 dB of Limit Line #1
peak criteria = 6 dB

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	.4732	35.4	-12.6
2	1.475	31.8	-16.2
3	2.654	32.2	-15.8
4	3.546	33.6	-14.2
5	16.33	36.9	-11.1
6	19.8	39.6	-8.4





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

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Annex :2-1

Written by : D.RAUD

January 18, 2002

Test report # : 019054DR

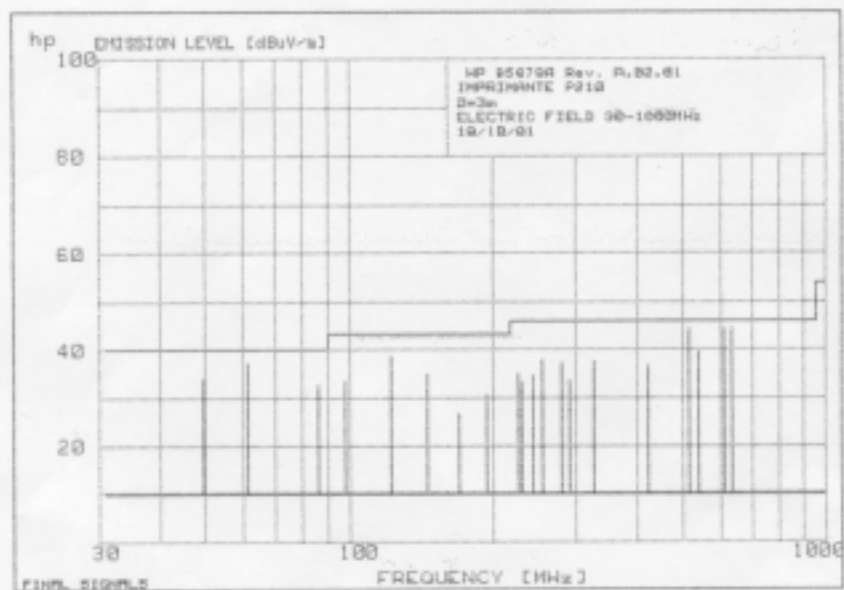
STANDARD : FCC CFR 47 PART 15 2000 CLASS B
MEASUREMENT : ELECTRIC FIELD 30-1000 MHz (D=3m)
CONDITIONS : 120V/60Hz; With EOS power supply and parallel interface
STANDBY and PRINTING modes.
DATE : October, 18 of 2001
MEASUREMENT DONE BY : D.RAUD

PRODUCT EMISSIONS

HP 05079A Rev. A.02.01

Data File: CH.E D=3m //EOS 18 Oct 2001 13:10

No	EMISSION FREQUENCY MHz	SPEC LIMIT dBuV/m	MEASUREMENTS			SITE			CORR FACTOR dB	COMMENTS
			ABS	dLIM	MODE	POL	HGT cm	AZM deg		
1	48.010	40.0	33.9	-6.1	QP	V	140	185	11.9	IMPRESSION
2	60.022	40.0	37.2	-2.8	QP	V	140	25	0.6	IMPRESSION
3	84.030	40.0	32.6	-7.4	PK	V	140	190	10.8	
4	96.031	43.5	33.5	-10.0	QP	V	140	190	13.1	CBL IMPRIMANTE
5	120.056	43.5	30.5	-5.0	QP	V	120	35	14.6	IMPRESSION
6	144.031	43.5	35.0	-8.5	QP	V	140	175	14.	IMPRESSION
7	168.017	43.5	26.6	-16.9	QP	V	130	25	13.2	
8	192.026	43.5	30.5	-13.0	QP	H	170	175	12.3	
9	224.000	46.0	34.9	-11.1	PK	H	170	125	14.4	
10	228.070	46.0	33.3	-12.7	QP	H	170	10	14.7	
11	240.033	46.0	34.4	-11.6	QP	H	180	10	15.7	
12	252.036	46.0	37.8	-8.2	QP	H	180	260	16.6	
13	276.047	46.0	37.0	-9.0	PK	H	180	255	17.1	
14	288.028	46.0	33.7	-12.3	QP	V	190	240	17.4	
15	324.046	46.0	37.6	-8.4	QP	H	190	210	18.2	
16	420.000	46.0	36.4	-9.6	QP	V	190	200	20.6	
17	516.094	46.0	44.2	-1.8	QP	V	140	225	23.1	
18	540.094	46.0	39.4	-6.6	QP	V	130	175	23.5	
19	612.161	46.0	44.2	-1.8	QP	V	120	170	24.5	
20	636.118	46.0	44.3	-1.7	QP	V	120	160	24.2	





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

P210

Annex :2-2

Written by : D.RAUD

January 18, 2002

Test report # : 019054DR

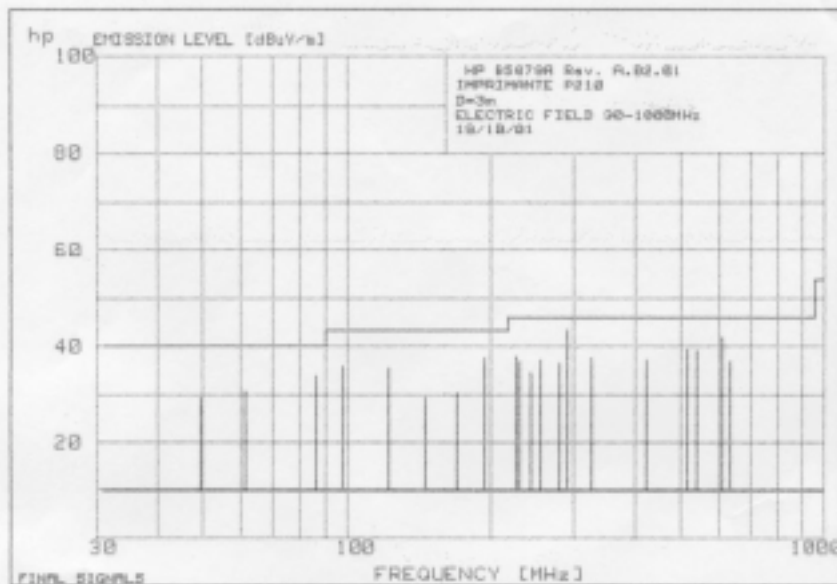
STANDARD : FCC CFR 47 PART 15 2000 CLASS B
MEASUREMENT : ELECTRIC FIELD 30-1000 MHz (D=3m)
CONDITIONS : 120V/60Hz; With EOS power supply and USB interface
STANDBY and PRINTING modes.
DATE : October, 19 of 2001
MEASUREMENT DONE BY : D.RAUD

PRODUCT EMISSIONS

HP 85879A Rev. A.02.01

Data File: CH.E D=3m USB EOS 19 Oct 2001

No	EMISSION FREQUENCY MHz	SPEC LIMIT dBuV/m	MEASUREMENTS			SITE			CORR FACTOR dB	COMMENTS
			ABS	dLIM	MODE	POL	HGT	AZM		
			dBuV/m	dB			cm	deg		
1	48.012	40.0	29.2	-10.8	QP	V	140	185	11.8	IMPRESSION
2	60.022	40.0	30.6	-9.4	QP	V	120	235	8.6	IMPRESSION
3	84.030	40.0	34.0	-6.0	QP	V	120	230	10.8	
4	96.007	43.5	36.0	-7.5	QP	V	120	95	13.1	CBL IMPRIMANTE
5	120.030	43.5	35.7	-7.8	QP	V	120	320	14.6	IMPRESSION
6	144.012	43.5	29.4	-14.1	QP	V	120	70	14.	IMPRESSION
7	168.050	43.5	30.2	-13.3	QP	V	120	50	13.2	
8	192.012	43.5	37.7	-5.8	QP	H	160	260	12.3	
9	224.033	46.0	37.7	-8.3	QP	H	160	260	14.4	
10	228.031	46.0	36.8	-9.2	QP	H	180	20	14.7	
11	240.033	46.0	34.4	-11.6	QP	H	180	20	15.7	
12	252.059	46.0	37.2	-8.8	QP	H	180	15	16.6	
13	276.047	46.0	36.4	-9.6	PK	H	160	285	17.1	
14	288.000	46.0	43.5	-2.5	QP	H	160	260	17.4	
15	324.054	46.0	37.6	-8.4	QP	V	180	175	18.2	
16	420.004	46.0	37.0	-9.0	QP	V	170	10	20.6	
17	516.009	46.0	39.4	-6.6	QP	V	140	180	23.1	
18	540.102	46.0	39.3	-6.7	QP	V	140	180	23.5	
19	612.166	46.0	41.9	-4.1	QP	H	180	345	24.5	
20	636.122	46.0	36.8	-9.2	QP	V	230	165	24.2	





FCC CERTIFICATION TEST REPORT

EQUIPMENT FCC ID : MX5402920001

P210

Annex :2-3

Written by : D.RAUD

January 18, 2002

Test report # : 019054DR

STANDARD : FCC CFR 47 PART 15 2000 CLASS B
MEASUREMENT : ELECTRIC FIELD 30-1000 MHz (D=3m)
CONDITIONS : 120V/60Hz; With POWER BOX power supply and parallel interface
STANDBY and PRINTING modes.
DATE : October, 19 of 2001
MEASUREMENT DONE BY : D.RAUD

PRODUCT EMISSIONS

HP 65979A Rev. A.02.01

Data File: CH.E D=3m ALIM PB // 19 Oct 2001

No	EMISSION FREQUENCY MHz	SPEC LIMIT dBuV/m	MEASUREMENTS			SITE		CORR FACTOR dB	COMMENTS
			ABS	dLIM	MODE	POL	HGT AZM cm deg		
1	48.014	40.0	26.1	-13.9	QP	V	150 210	11.9	IMPRESSION
2	60.022	40.0	30.6	-9.4	QP	V	130 220	8.6	IMPRESSION
3	83.992	40.0	37.6	-2.4	QP	V	130 220	10.8	
4	96.031	43.5	36.0	-7.5	QP	V	130 125	13.1	
5	120.061	43.5	25.6	-17.9	QP	V	130 310	14.6	IMPRESSION
6	144.022	43.5	34.5	-9.0	QP	V	130 65	14.	IMPRESSION
7	168.064	43.5	26.5	-17.0	QP	V	120 80	13.2	
8	192.166	43.5	23.9	-19.6	QP	H	150 110	12.3	
9	223.978	46.0	35.4	-10.6	QP	H	170 20	14.4	
10	228.040	46.0	26.9	-19.1	QP	H	400 15	14.7	
11	240.033	46.0	34.4	-11.6	QP	H	180 20	15.7	
12	252.030	46.0	37.5	-8.5	QP	V	170 115	16.6	
13	276.047	46.0	36.4	-9.6	PK	H	160 205	17.1	
14	280.033	46.0	34.3	-11.7	QP	H	150 250	17.4	
15	324.093	46.0	36.6	-9.4	QP	H	230 10	18.2	
16	420.078	46.0	34.7	-11.3	QP	V	200 75	20.6	
17	516.098	46.0	40.7	-5.3	QP	V	140 210	23.1	
18	540.121	46.0	41.4	-4.6	QP	V	150 205	23.5	
19	612.124	46.0	41.1	-4.9	QP	V	120 170	24.5	
20	636.111	46.0	38.6	-7.4	QP	V	230 210	24.2	

