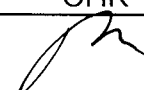



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EMI TEST DATA

DWG: IA599-53-02		
APPD	CHK	DWG
Doron P. Dec-1-04	 30.11.04	 30.11.04



NEMIC-LAMBDA LTD.

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1.TEST METHOD	R-1
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2-1.Conducted emission	R2~9
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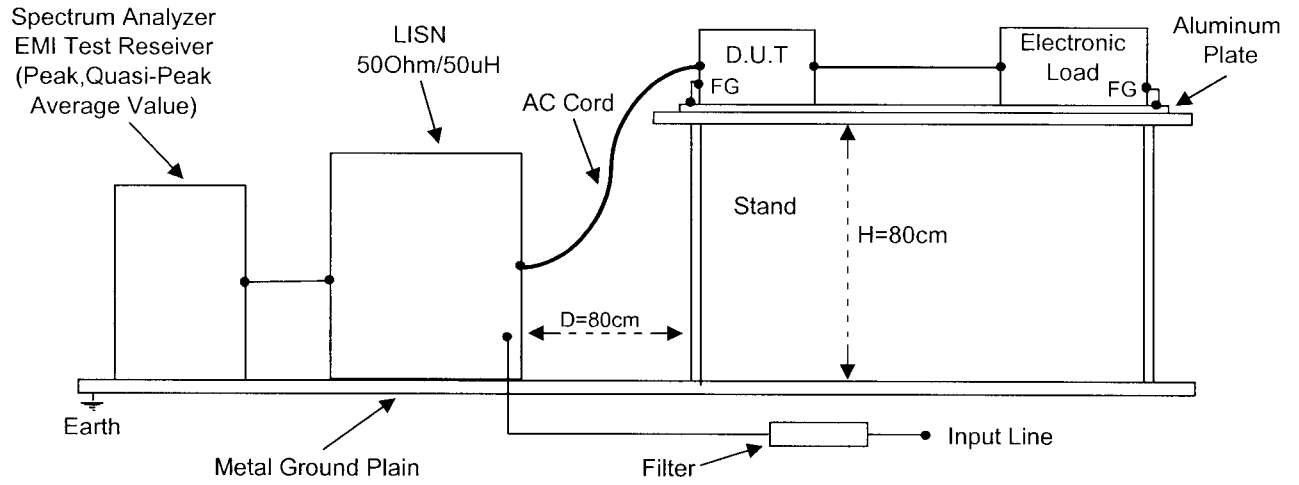
The above data is typical value data.

The values are considered to be actual capability data.

1. Test Method

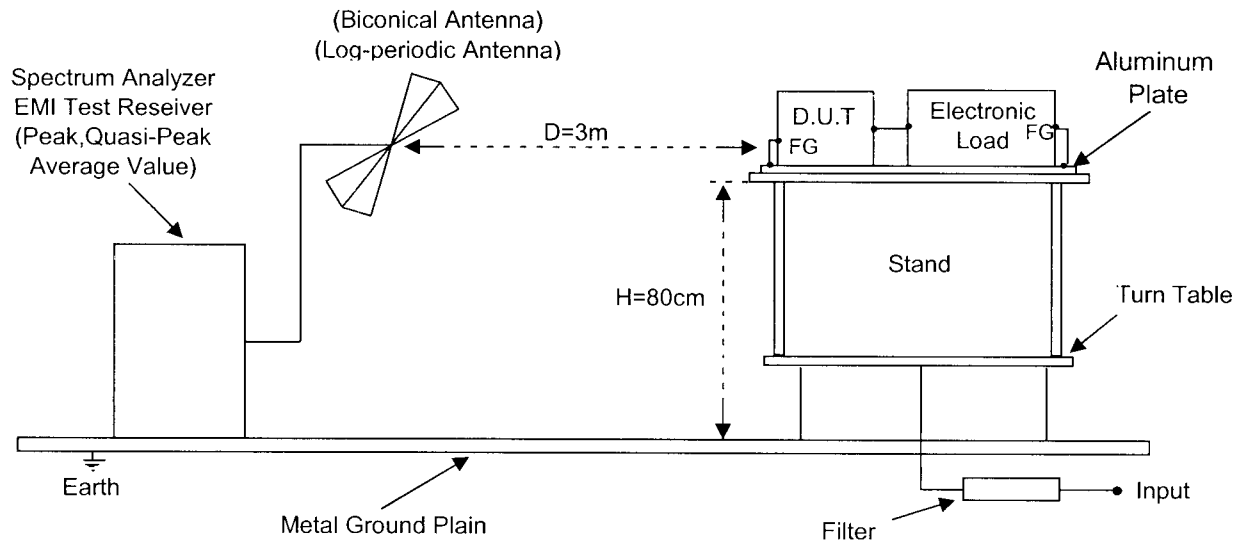
FPS1000 - 48

(1) Conducted Emission



SPECTRUM ANALYZER	8567A	(HEWLETT. PACKARD)
EMI TEST RECEIVER	ESS	(ROHDE & SCHWARZ)
LISN	3825/2	(EMCO)

(2) Radiated Emission



SPECTRUM ANALYZER	MS2601A	(ANRITSU)
EMI TEST RECEIVER	85462A	(HEWLETT. PACKARD)
BICONICAL ANTENNA	3110BA30/200	(EMCO)
LOG-PERIODIC ANTENNA	LP200000	(ELECTROMETRIX)
	LPA2530	(ELECTROMETRIX)

2. Test Data

FPS1000 - 48

2.1 Conducted Emission

(1) Test condition

Input voltage/frequency: 115VAC/50Hz
Output current: 100%
Ambient temperature: 25°C
Regulation: FCC Class B, EN55022-B

(2) Test results

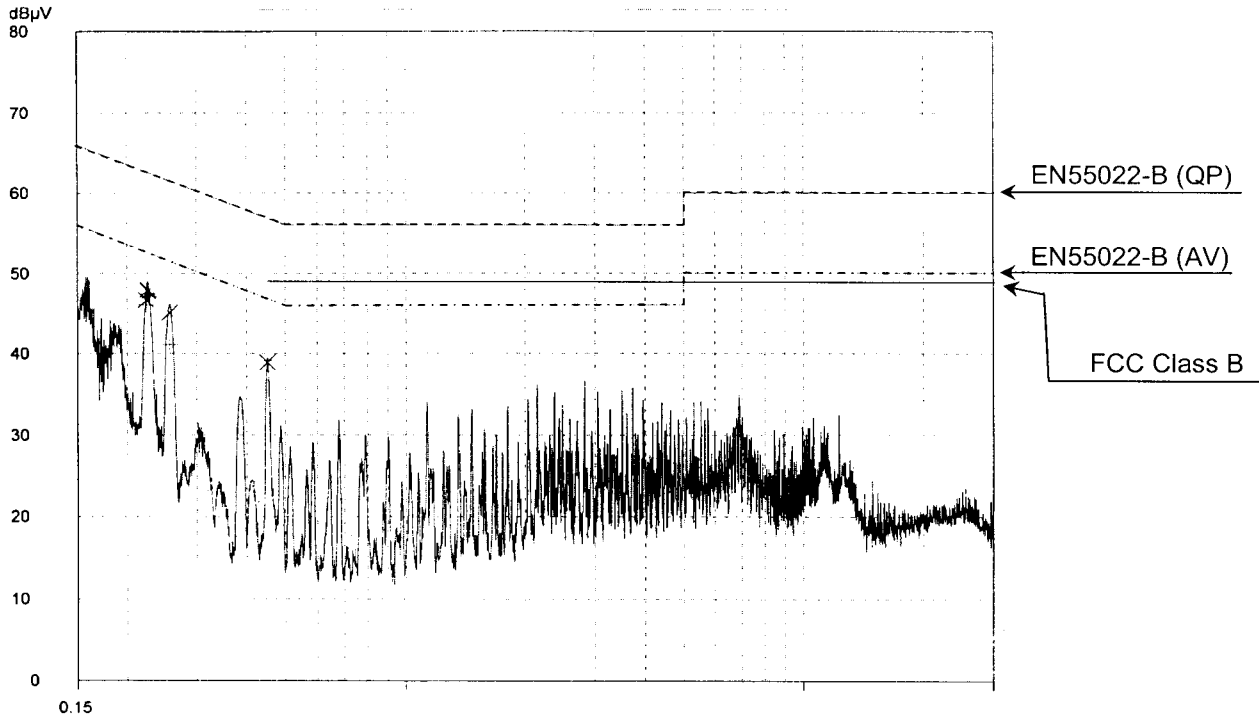
Inteference wave list

PHASE	FREQ	RESULT		EN55022-B				FCC Class B	
		LIMIT		MARGIN		LIMIT	MARGIN		
		QP	AV	QP	AV	QP	AV	QP	QP
	MHz	dBμV	dBμV	dBμV	dBμV	dBμV	dBμV	dBμV	dBμV
L	0.22593	47.95	47.40	62.60	52.60	14.65	5.20	-	-
	0.25623	45.05	41.08	61.55	51.55	16.50	10.47	-	-
	0.45103	39.92	39.08	56.86	46.86	16.94	7.78	48.0	9.08
N	0.22547	44.84	43.90	62.61	52.61	17.77	8.71	-	-
	0.25674	46.03	42.63	61.54	51.54	15.51	8.91	-	-

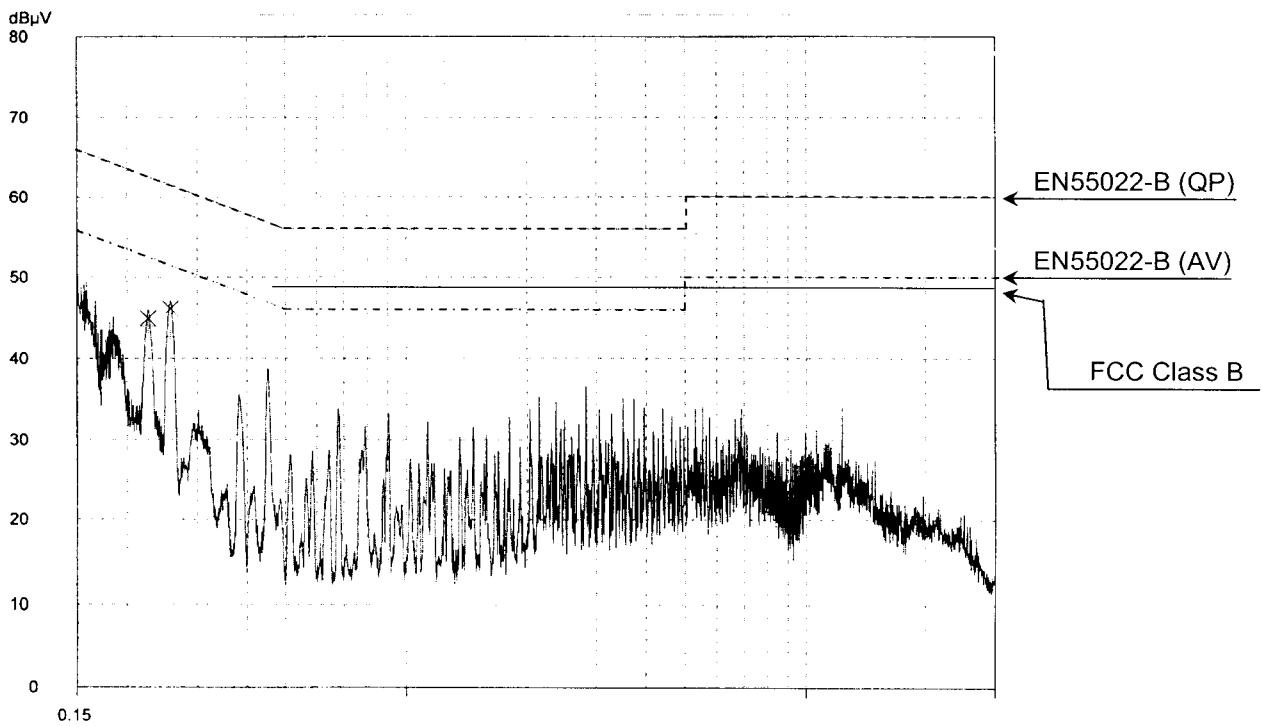
EMI
Electro-Magnetic Interference characteristics

Conditions: Vin: 115VAC
Iout: 100%
Ta: 25°C

Phase L



Phase N



(1) Test condition

Input voltage/frequency: 115VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, EN55022-B

(2) Test results

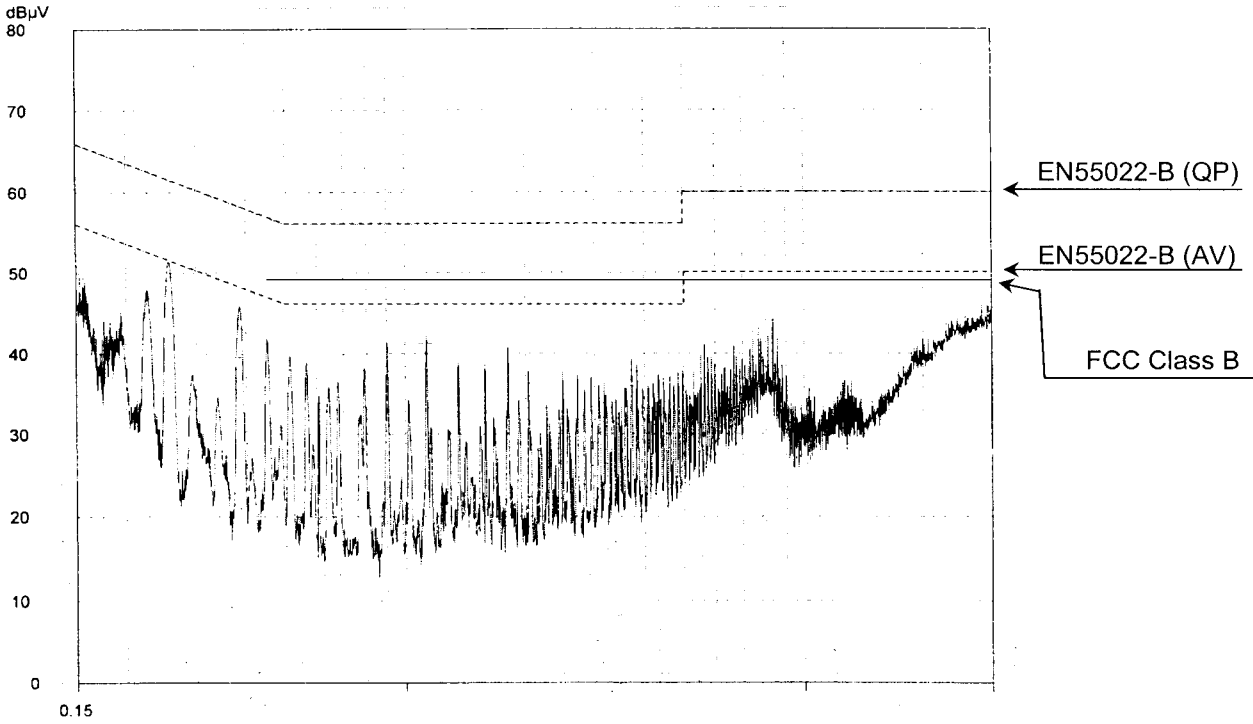
Inteference wave list

PHASE	FREQ	RESULT		EN55022-B				FCC Class B	
				LIMIT		MARGIN		LIMIT	MARGIN
		QP	AV	QP	AV	QP	AV	QP	QP
	MHz	dBµV	dBµV	dBµV	dBµV	dBµV	dBµV	dBµV	dBµV
L	0.22547	47.0	46.86	62.63	52.61	15.63	5.75	-	
	0.38210	43.43	39.55	58.23	48.23	14.80	8.68	-	
	0.45103	43.1	41.24	56.88	46.88	13.78	8.68	48.0	4.9
	1.12846	43.53	41.23	56.00	46.00	12.47	4.77	48.0	4.47
N	0.22502	43.33	42.49	62.63	52.63	19.30	10.14	-	
	0.25674	47.30	41.65	61.54	51.54	14.24	9.89	-	
	0.38594	41.53	36.88	58.15	48.15	16.62	11.27	-	
	0.45103	42.52	41.65	56.88	46.86	14.36	5.21	48.0	5.48
	1.12846	44.14	41.89	56.00	46.00	11.86	4.11	48.0	3.86
	1.80469	43.79	41.61	56.00	46.00	12.21	4.39	48.0	4.21

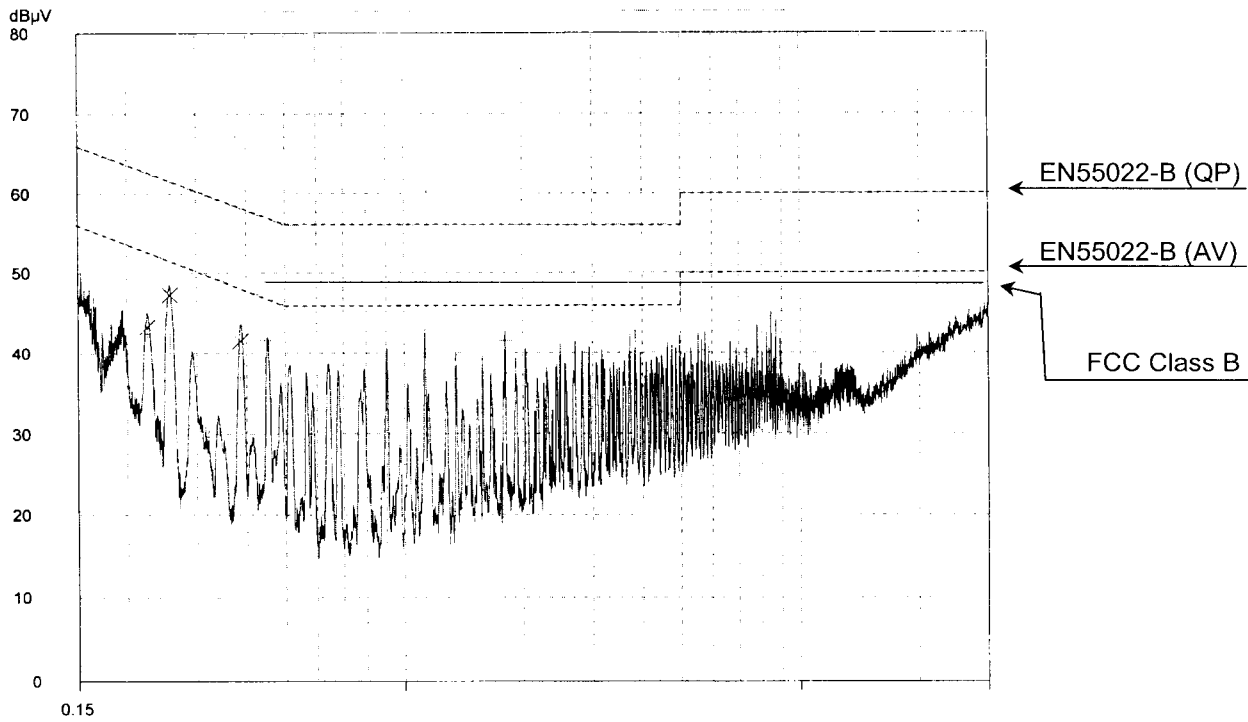
EMI
Electro-Magnetic Interference characteristics

Conditions: Vin: 115VAC
Iout: 100%
Ta: 25°C

Phase L



Phase N



FPS1000 - 48

(1) Test condition

Input voltage/frequency: 230VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, EN55022-B

(2) Test results

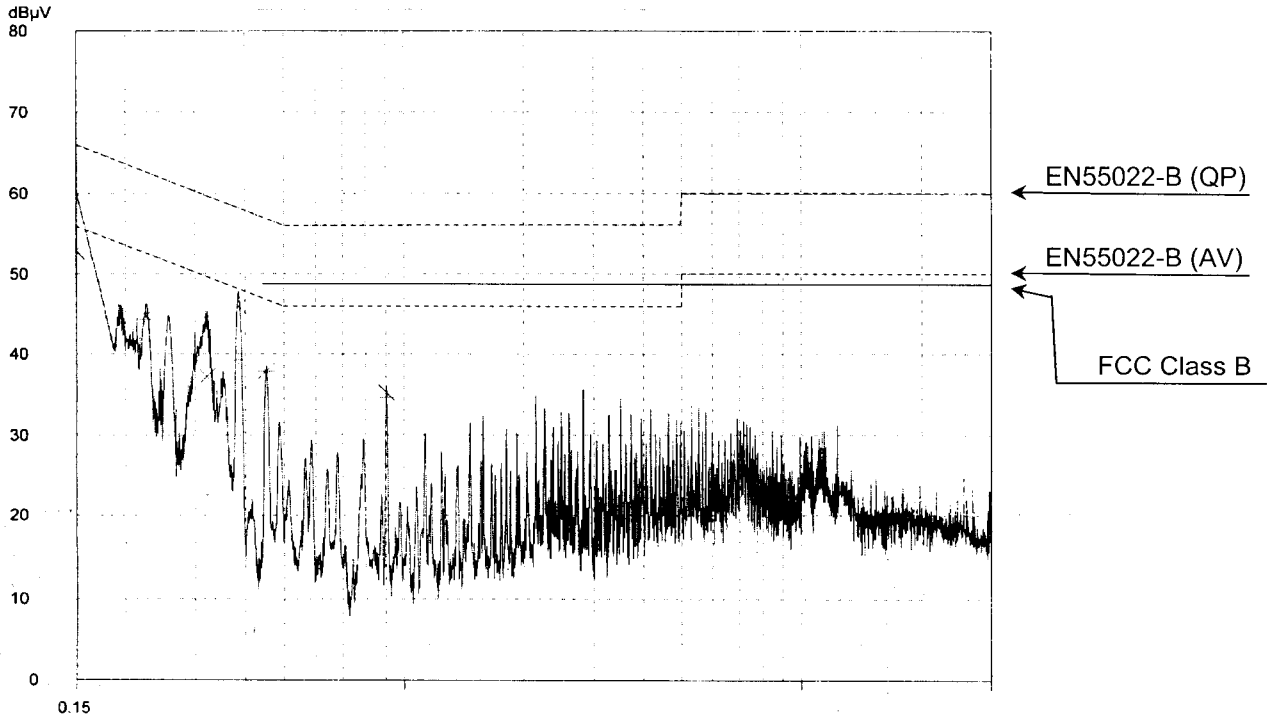
Inteference wave list

PHASE	FREQ	RESULT		EN55022-B				FCC Class B	
		LIMIT		MARGIN		LIMIT	MARGIN		
		QP	AV	QP	AV	QP	AV	QP	QP
	MHz	dBμV	dBμV	dBμV	dBμV	dBμV	dBμV	dBμV	dBμV
L	0.15030	52.70	34.99	65.98	55.98	13.28	20.99	-	-
	0.22502	44.74	44.40	62.63	52.63	17.89	8.23	-	-
	0.32113	37.20	22.59	59.68	49.68	22.48	27.09	-	-
	0.38440	45.99	39.23	58.18	48.18	12.19	8.95	-	-
	0.45103	37.83	37.81	56.86	46.86	19.03	9.05	48.0	10.17
	0.90220	35.21	34.63	56.00	46.00	20.79	11.37	48.0	12.79
N	0.15030	53.29	35.27	65.98	55.98	12.69	20.71	-	-
	0.25726	44.28	41.61	61.52	51.52	17.24	9.91	-	-
	0.31604	37.83	25.05	59.81	49.81	21.98	24.76	-	-
	0.38440	47.29	40.56	58.18	48.18	10.89	7.62	-	-
	0.90040	36.21	35.60	56.00	46.00	19.79	10.40	48.0	11.79

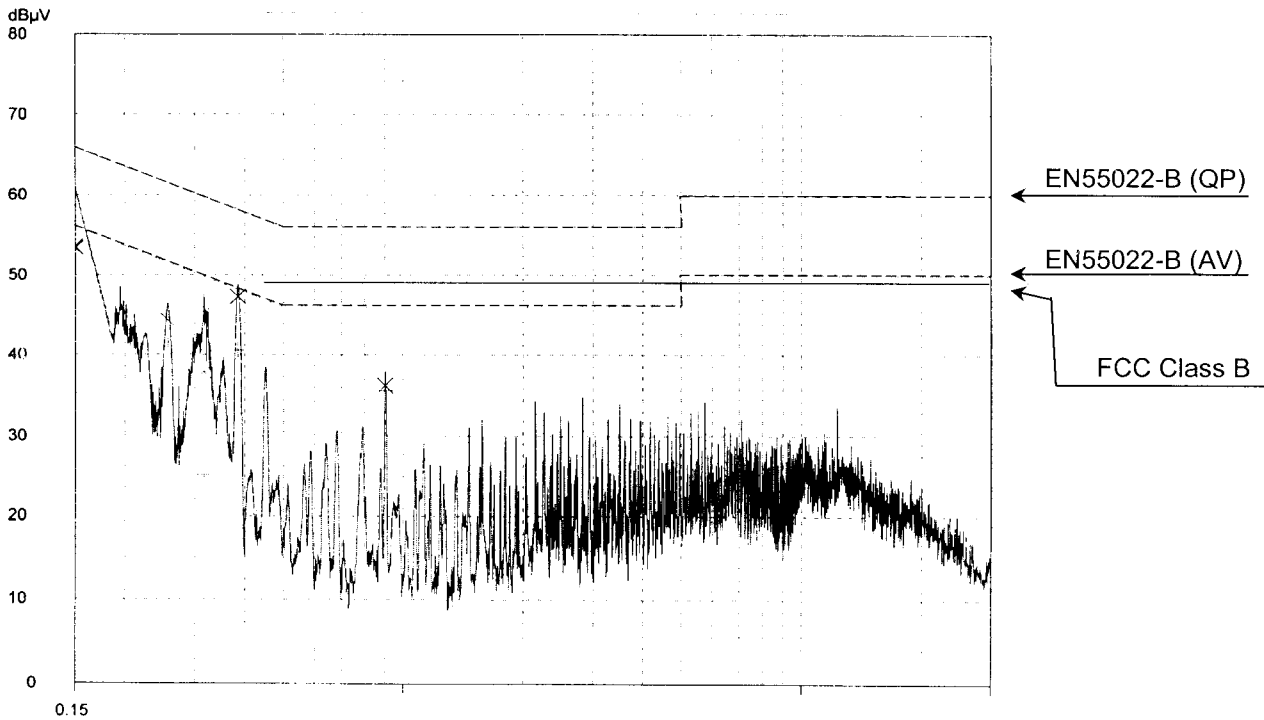
EMI
Electro-Magnetic Interference characteristics

Conditions: Vin: 230VAC
Iout: 100%
Ta: 25°C

Phase L



Phase N



(1) Test condition

Input voltage/frequency: 230VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, EN55022-B

(2) Test results

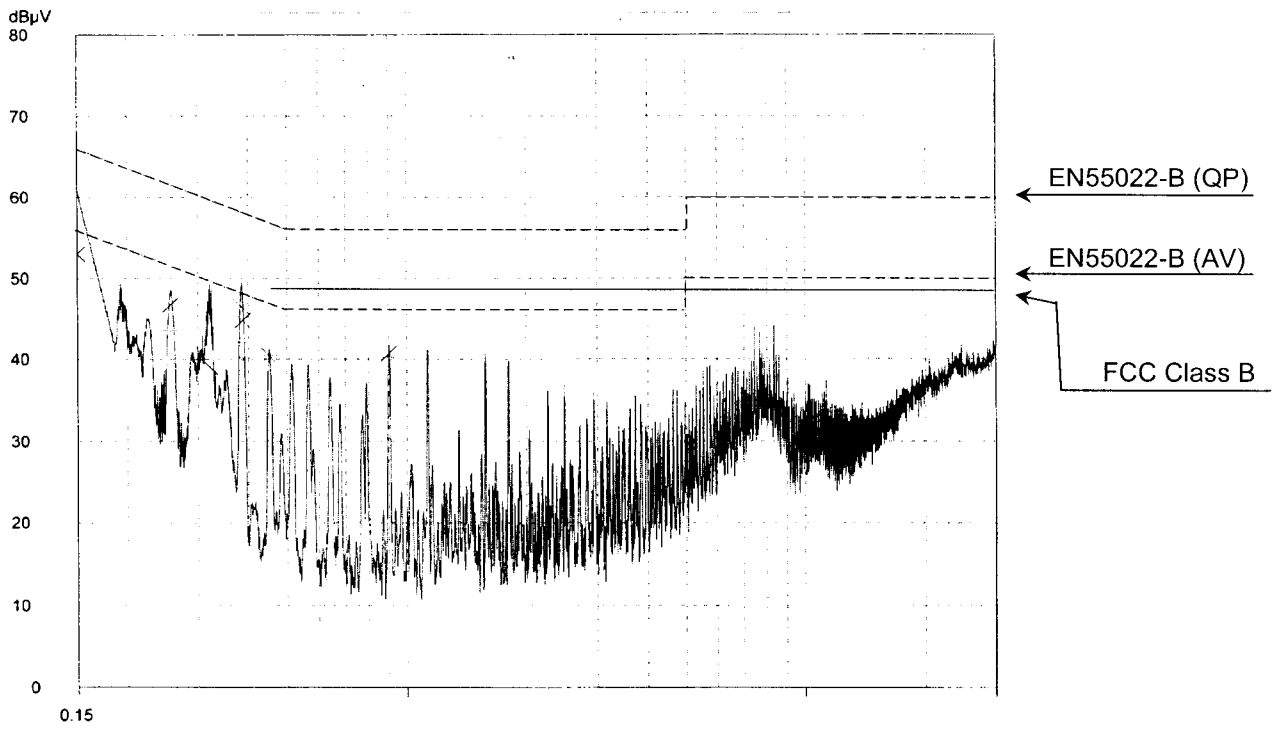
Interference wave list

PHASE	FREQ	RESULT		EN55022-B				FCC Class B	
				LIMIT		MARGIN		LIMIT	MARGIN
		QP	AV	QP	AV	QP	AV	QP	QP
	MHz	dBµV	dBµV	dBµV	dBµV	dBµV	dBµV	dBµV	dBµV
L	0.25623	46.71	43.51	61.55	51.55	14.84	8.04	-	-
	0.32049	39.08	24.14	59.69	49.69	20.61	25.55	-	-
	0.38517	46.47	42.10	58.17	48.17	11.70	6.07	-	-
	0.45103	40.45	40.45	56.86	46.86	16.41	6.41	48.0	7.55
	0.90220	40.67	40.20	56.00	46.00	15.33	5.80	48.0	7.33
N	0.25726	46.33	43.77	61.52	51.52	15.19	7.75	-	-
	0.32113	39.49	24.86	59.68	49.68	20.19	24.82	-	-
	0.38517	48.12	42.93	58.17	48.17	10.05	5.24	-	-
	0.90220	41.03	40.32	56.00	46.00	14.97	5.68	48.0	6.97
	1.12846	41.01	40.73	56.00	46.00	14.99	5.27	48.0	6.99
	1.57858	42.03	40.89	56.00	46.00	13.97	5.11	48.0	5.97

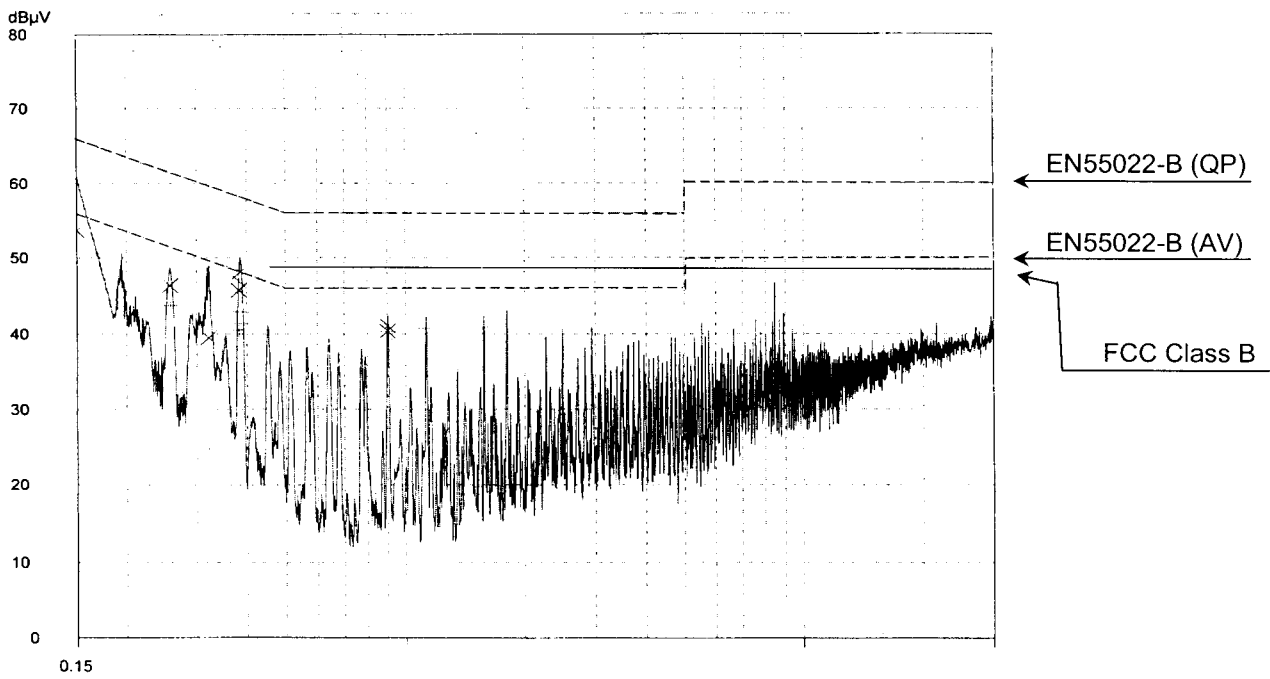
EMI
Electro-Magnetic Interference characteristics

Conditions: Vin: 230VAC
Iout: 100%
Ta: 25°C

Phase L



Phase N

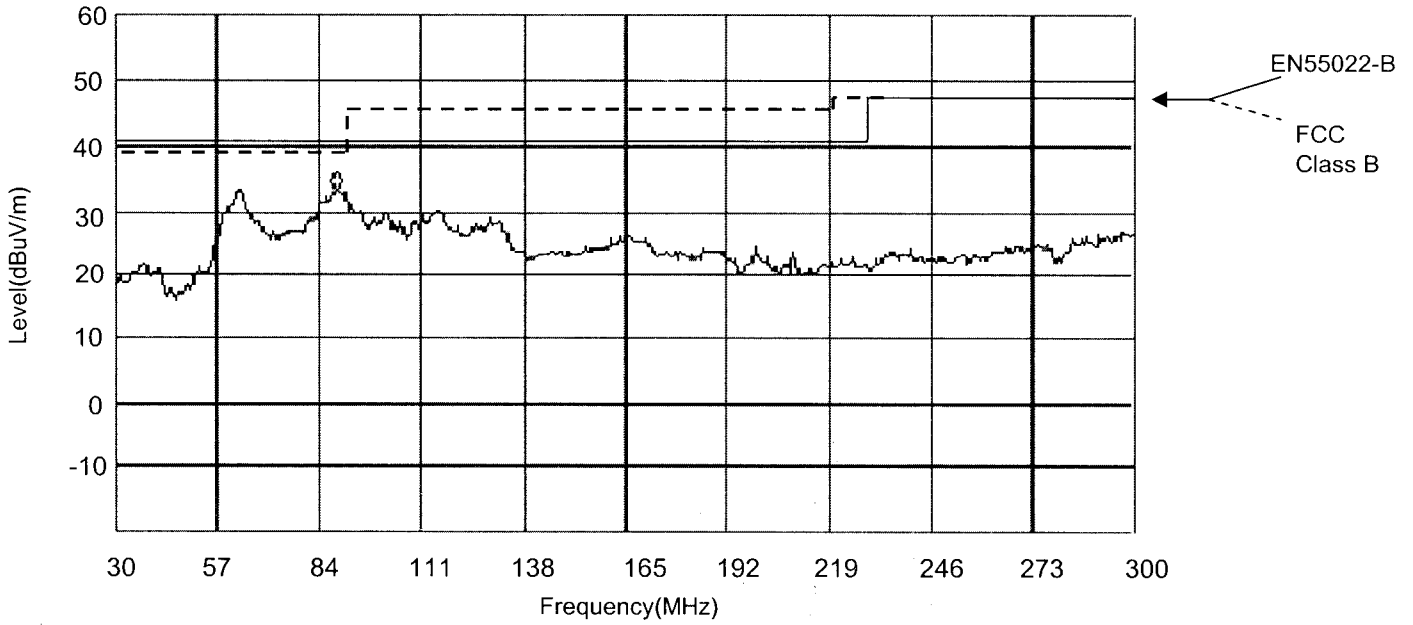


2.2 Radiated Emission

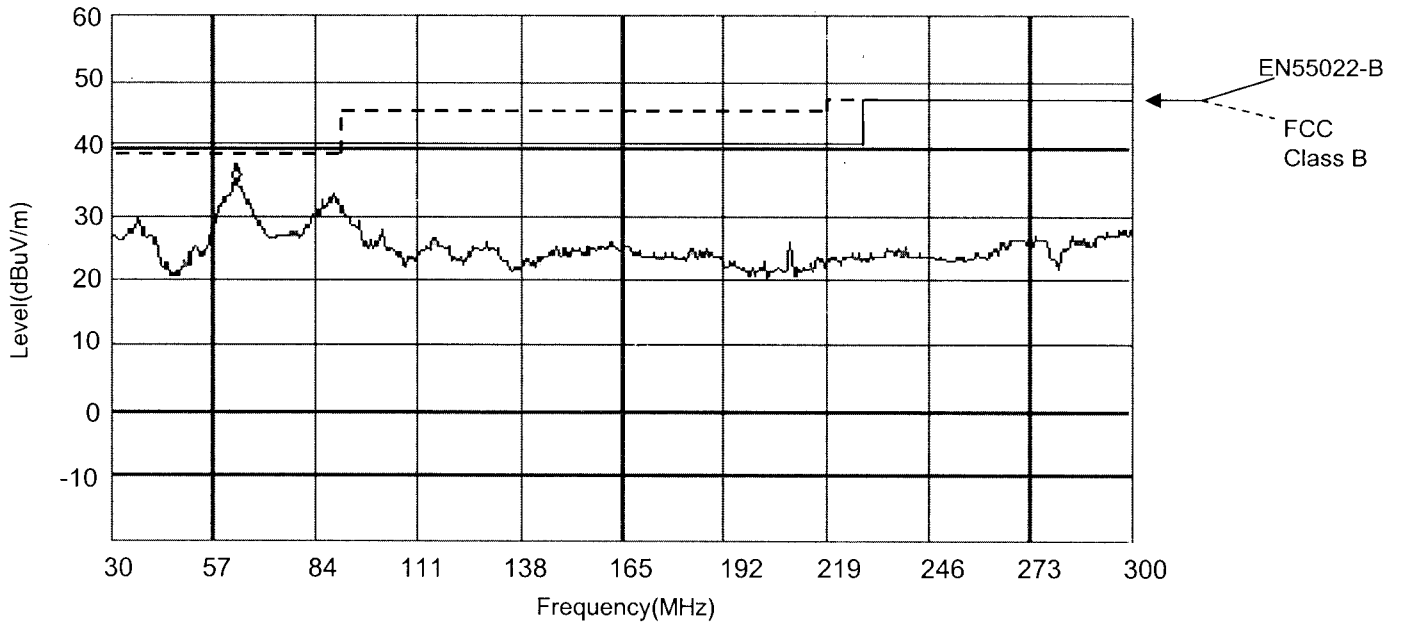
EMI
Electro-Magnetic interference characteristics

Conditions: Vin: 115VAC
Vout: 48V
Iout: 100%
Ta: 25°C

HORIZONTAL



VERTICAL

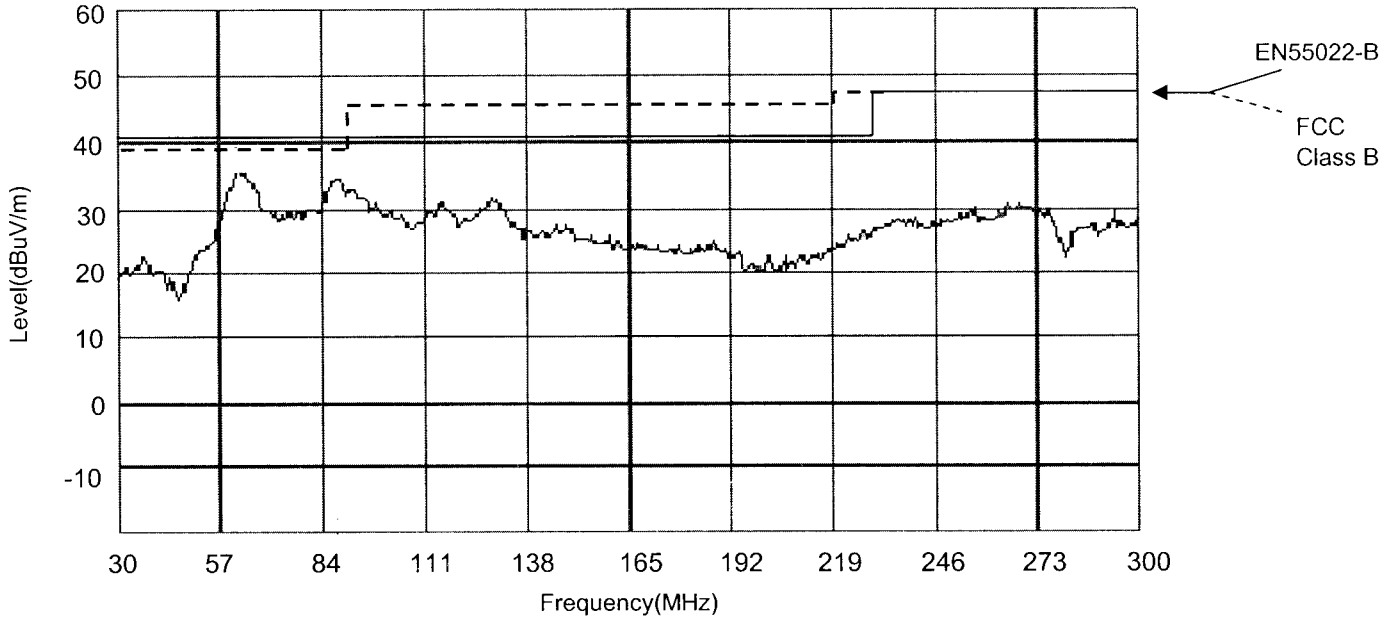


Limits of EN55022-B are same as VCCI-B

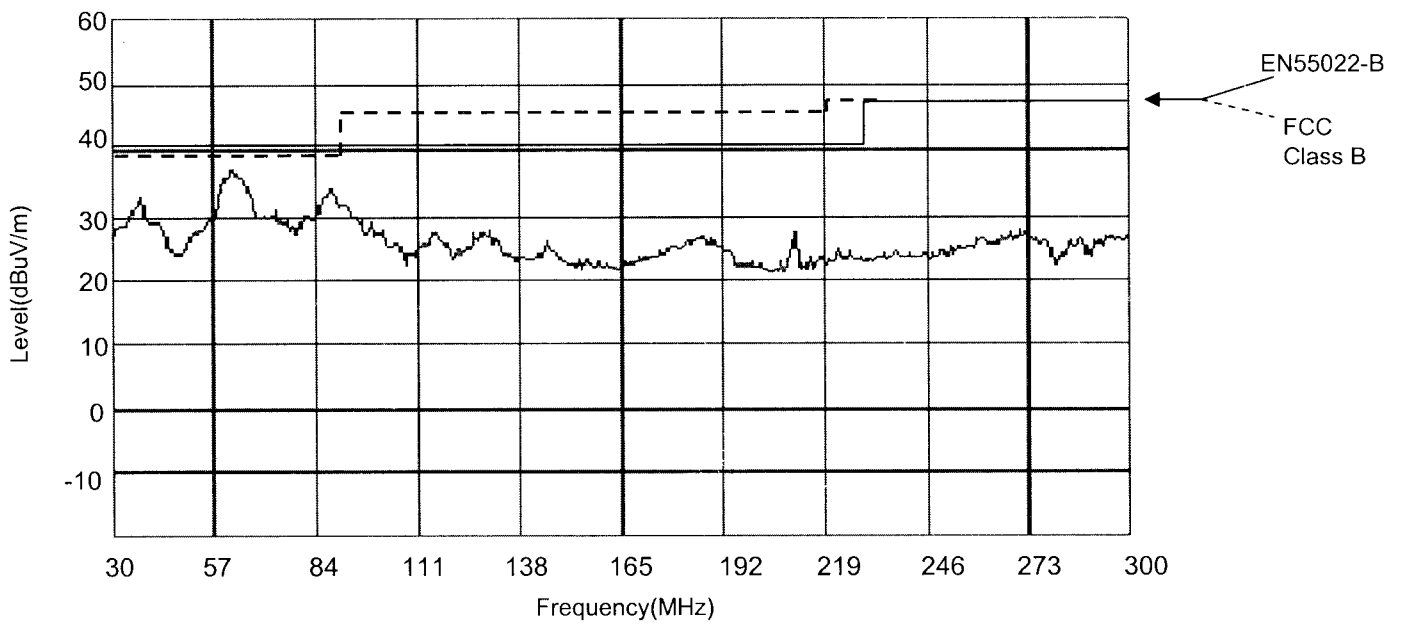
EMI
Electro-Magnetic interference characteristics

Conditions: Vin: 115VAC
Vout: 48V
Iout: 100%
Ta: 25°C

HORIZONTAL



VERTICAL

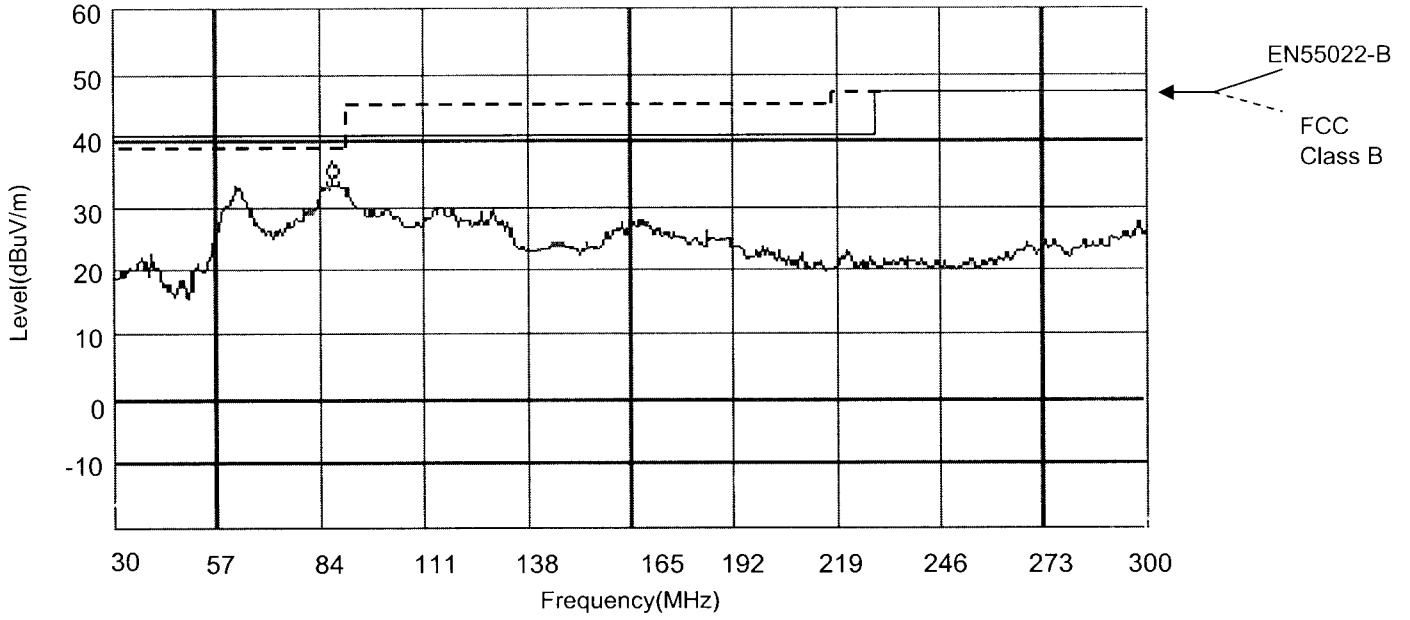


Limits of EN55022-B are same as VCCI-B

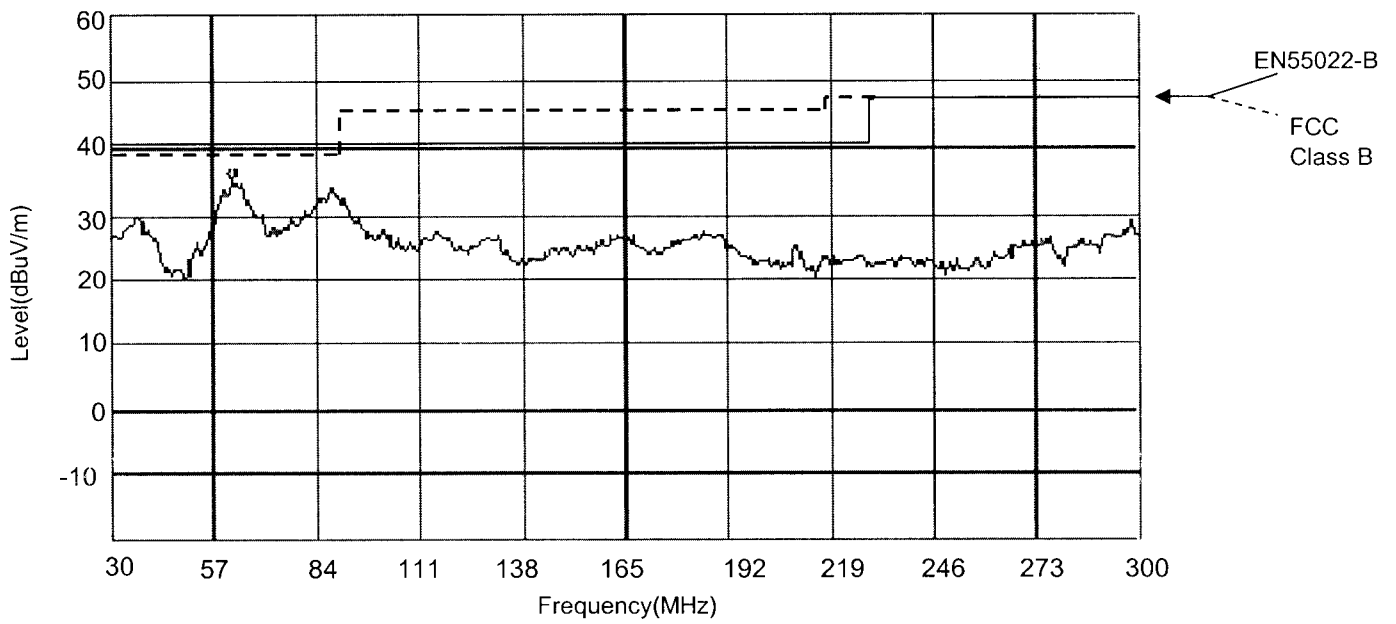
EMI
Electro-Magnetic interference characteristics

Conditions: Vin: 230VAC
Vout: 48V
Iout: 100%
Ta: 25°C

HORIZONTAL



VERTICAL

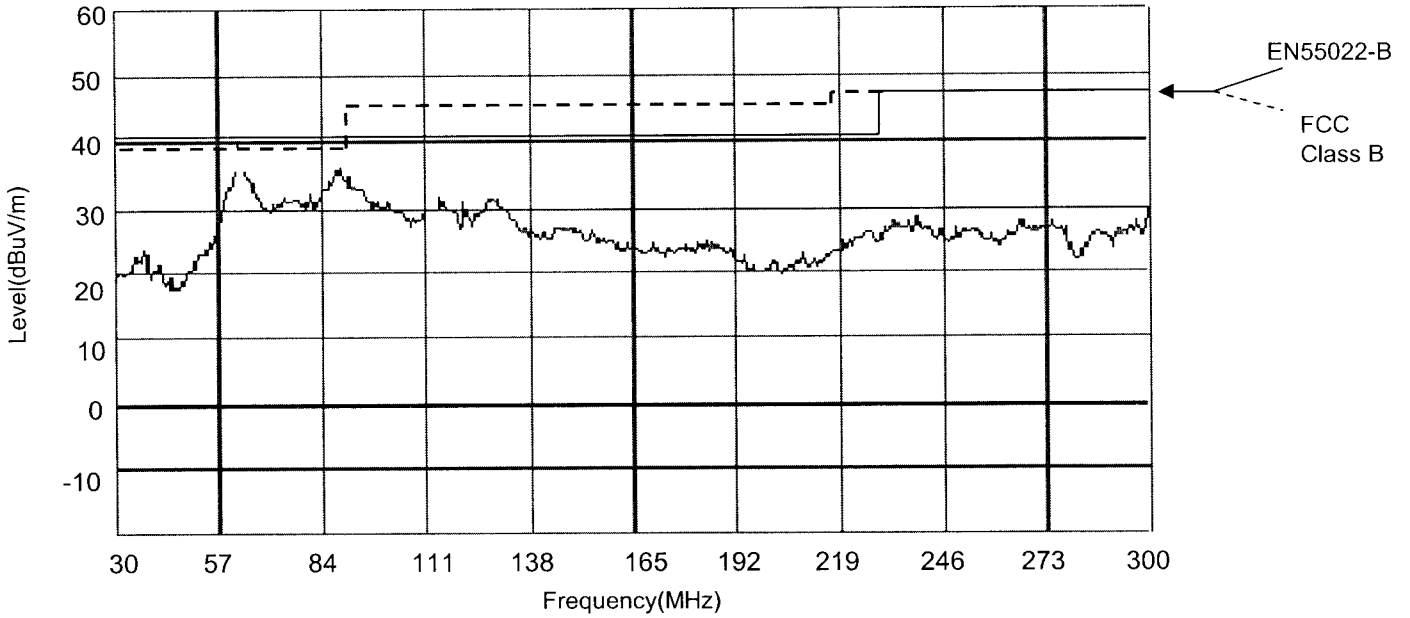


Limits of EN55022-B are same as VCCI-B

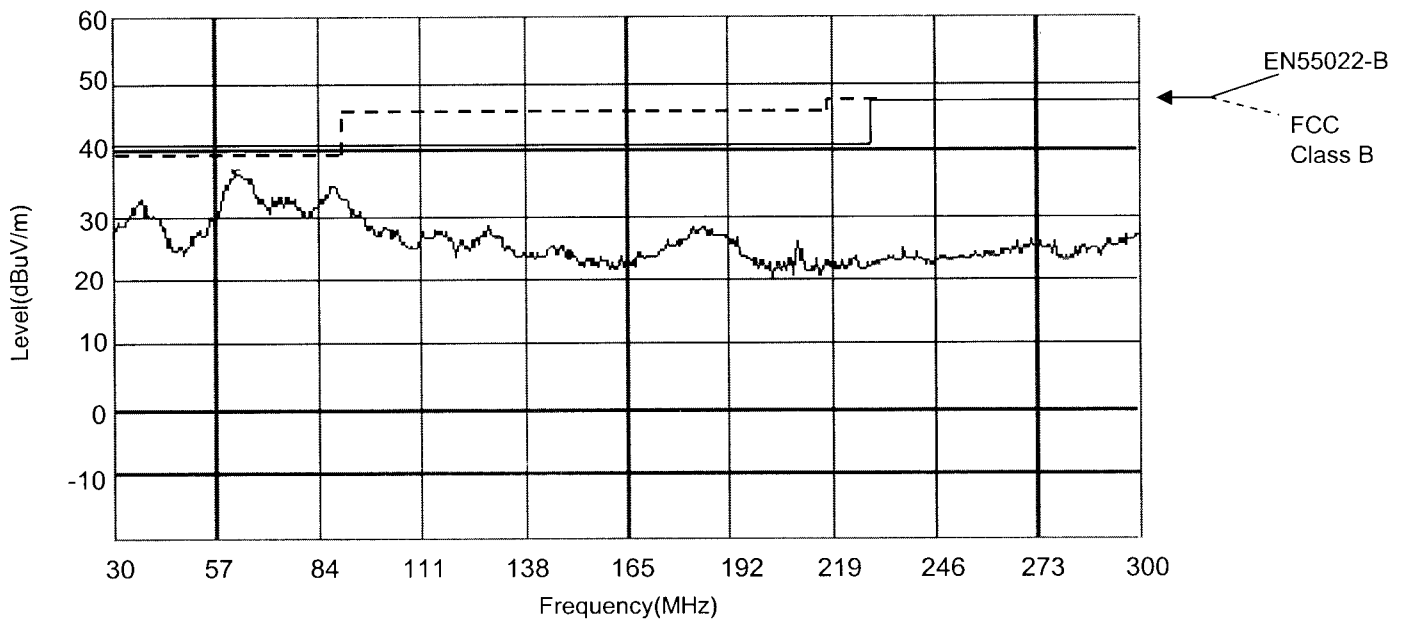
EMI
Electro-Magnetic interference characteristics

Conditions: Vin: 230VAC
Vout: 48V
Iout: 100%
Ta: 25°C

HORIZONTAL



VERTICAL



Limits of EN55022-B are same as VCCI-B