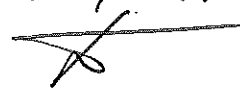


RFE2500

EMI TEST DATA

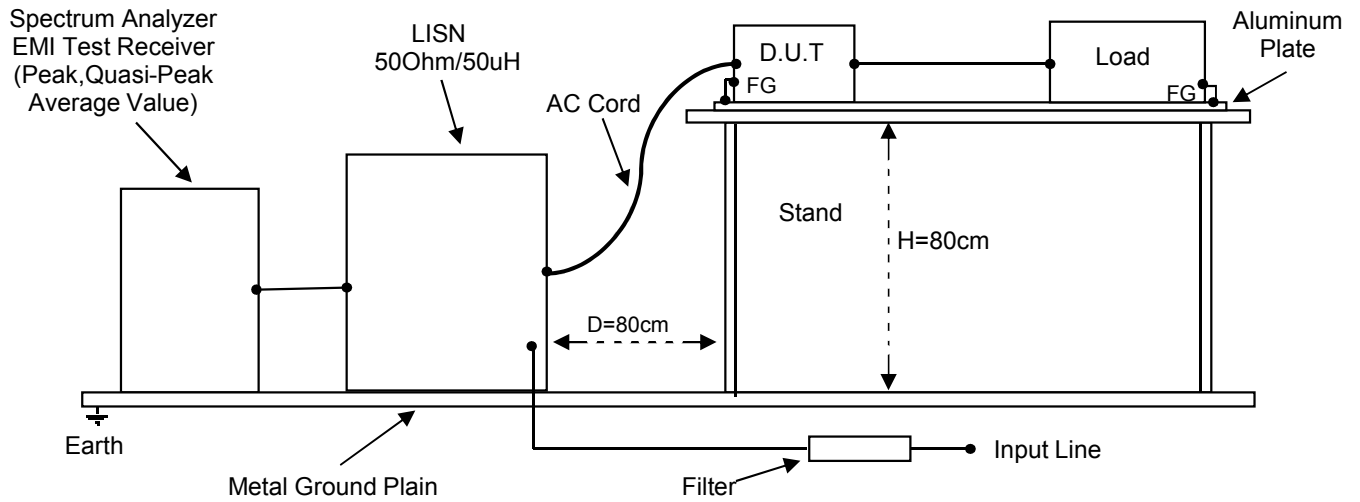
DWG: IA746-58-02		
APPD	CHK	DWG
J 29/5/16	Sy 29.05.2016	29/05/2016 

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1.TEST METHOD	R-1
2.TEST DATA	
2-1.Conducted emission	R2~7
2-2.Radiated emission	R8~13

The above data is typical value data.

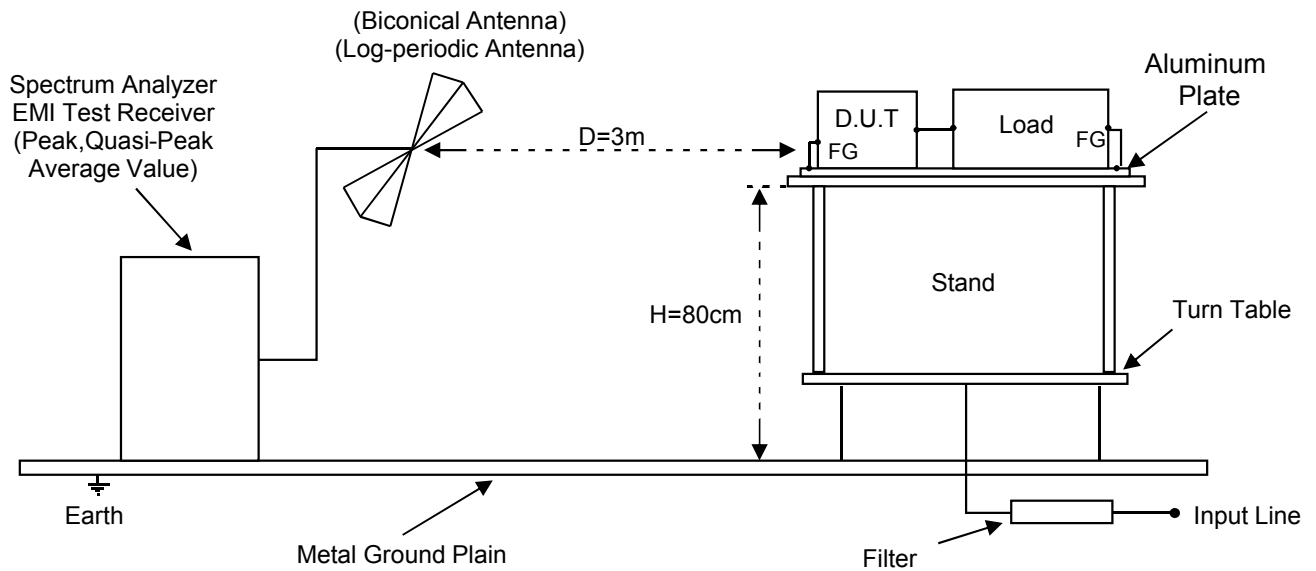
The values are considered to be actual capability data.

(1) Conducted Emission



TEST RECEIVER	ESPI	(ROHDE & SCHWARZ)
LISN	ENV4200	(ROHDE & SCHWARZ)

(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

RFE2500

2.1 Conducted Emission

12V

(1) Test condition

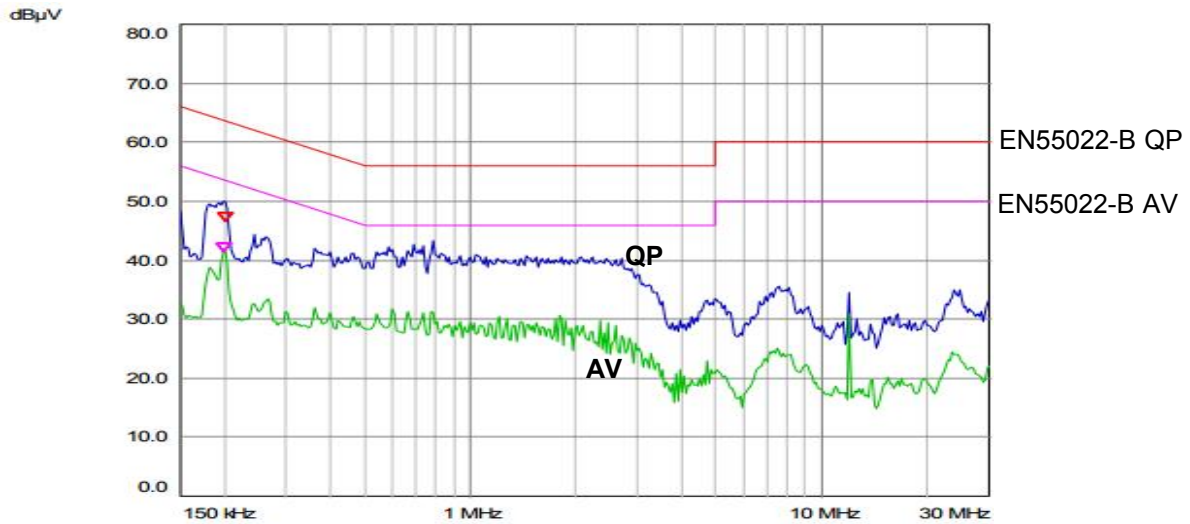
Input voltage/frequency: 100VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: EN55022-B

(2) Test results

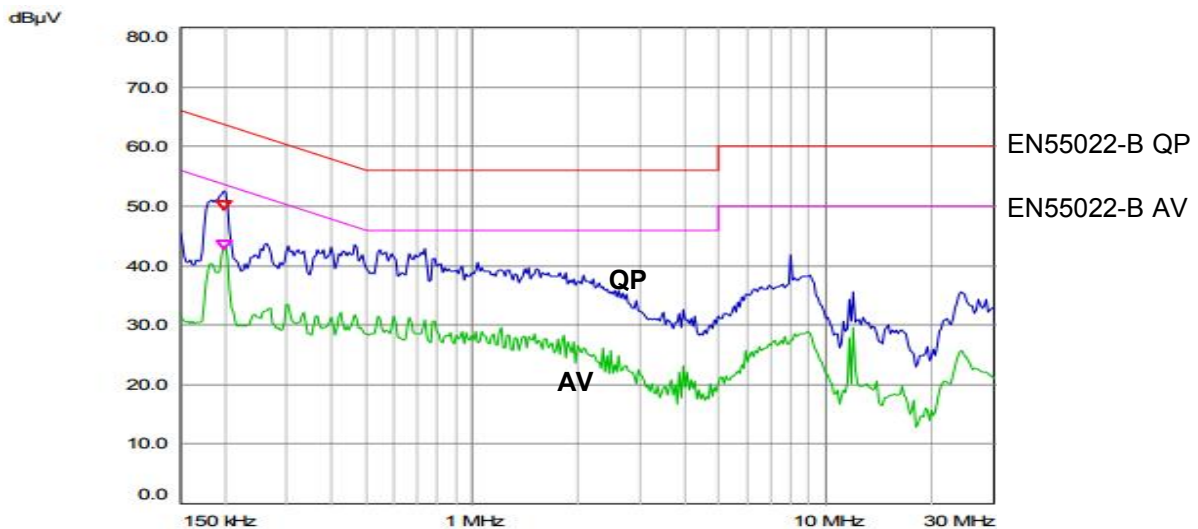
Interference wave list

PHASE	TRACE	EN55022-B			
		FREQ MHz	LEVEL dB μ V	LIMIT dB μ V	DELTA LIMIT dB μ V
L	2 AV	0.199237	41.45	53.64	-12.19
	1 QP	0.200235	46.61	63.60	-16.99
N	1 QP	0.199237	49.35	63.64	-14.29
	2 AV	0.199237	42.77	53.64	-10.87

Phase L



Phase N



2. Test Data

RFE2500

2.1 Conducted Emission

12V

(1) Test condition

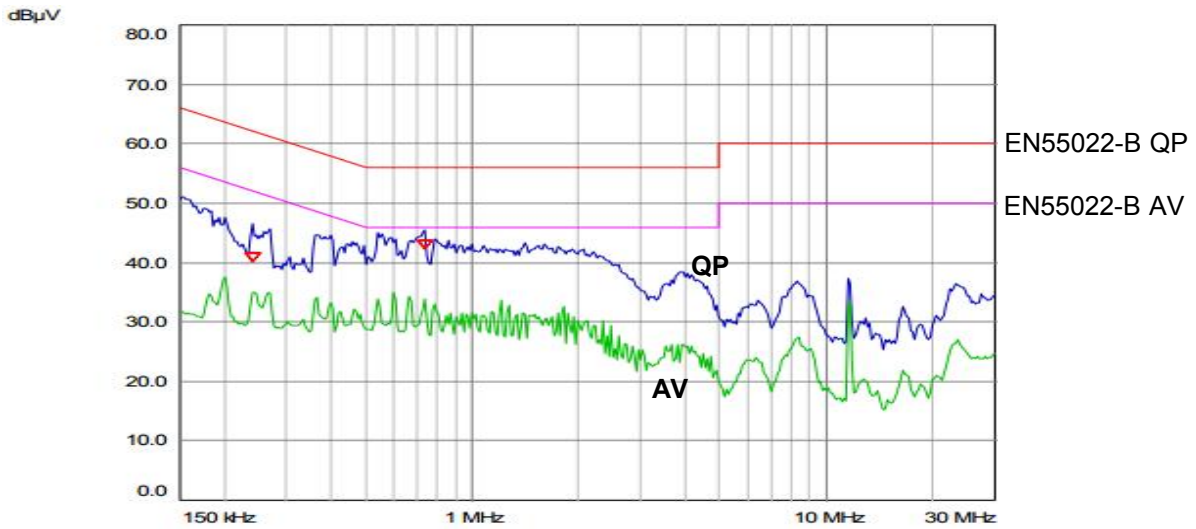
Input voltage/frequency: 230VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: EN55022-B

(2) Test results

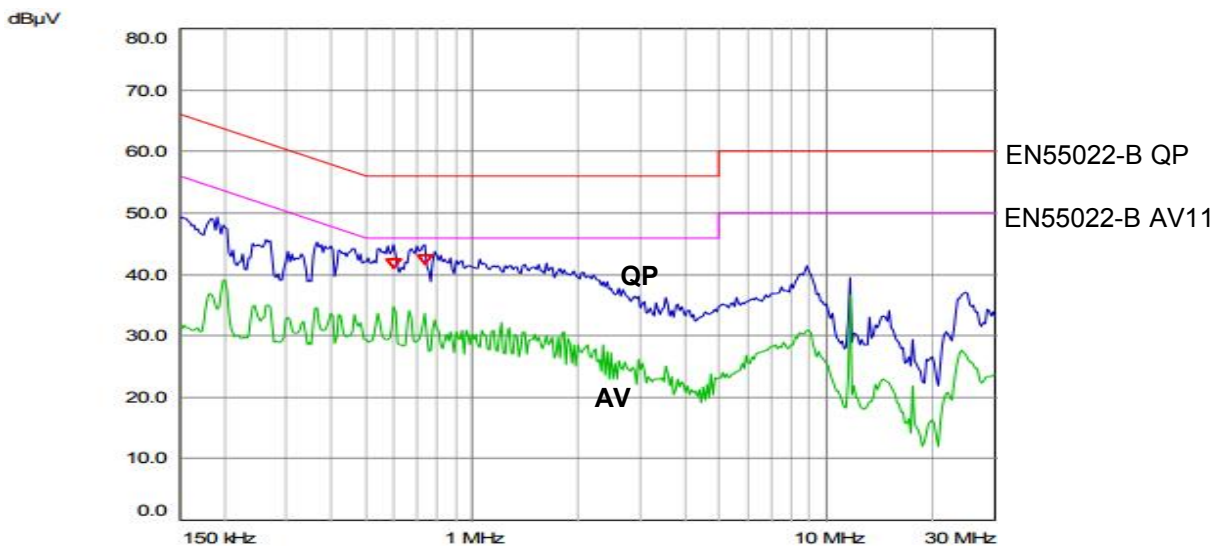
Interference wave list

PHASE	TRACE	EN55022-B			
		FREQ MHz	LEVEL dB μ V	LIMIT dB μ V	DELTA LIMIT dB μ V
L	1 QP	0.238985	40.03	62.13	-22.10
	1 QP	0.737923	42.16	56.00	-13.84
N	1 QP	0.603617	40.96	56.00	-15.04
	2 AV	0.734244	41.69	56.00	-14.31

Phase L



Phase N



2. Test Data

RFE2500

2.1 Conducted Emission

24V

(1) Test condition

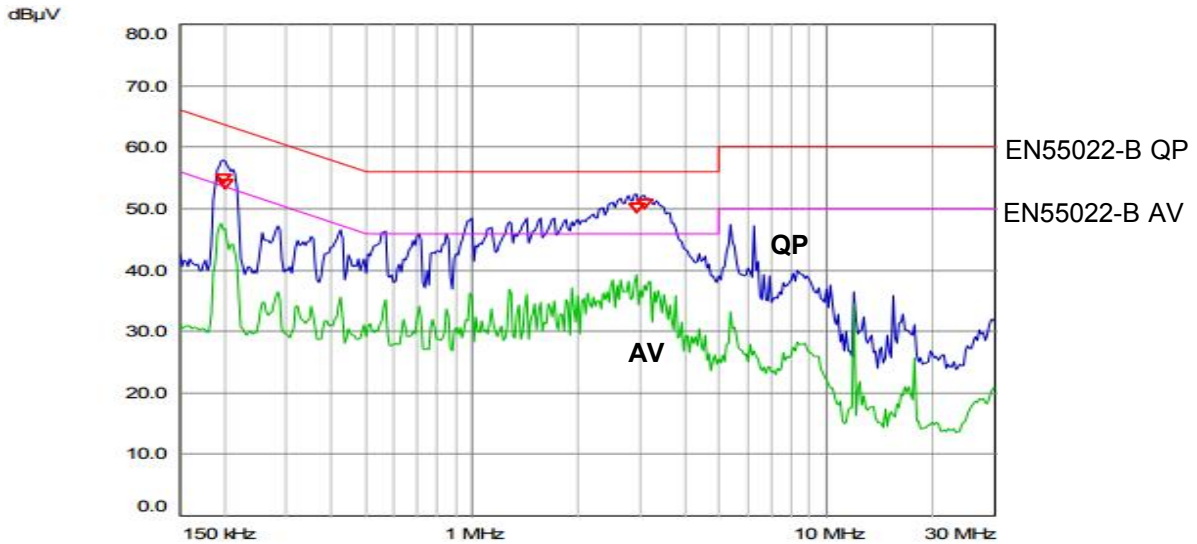
Input voltage/frequency: 100VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: EN55022-B

(2) Test results

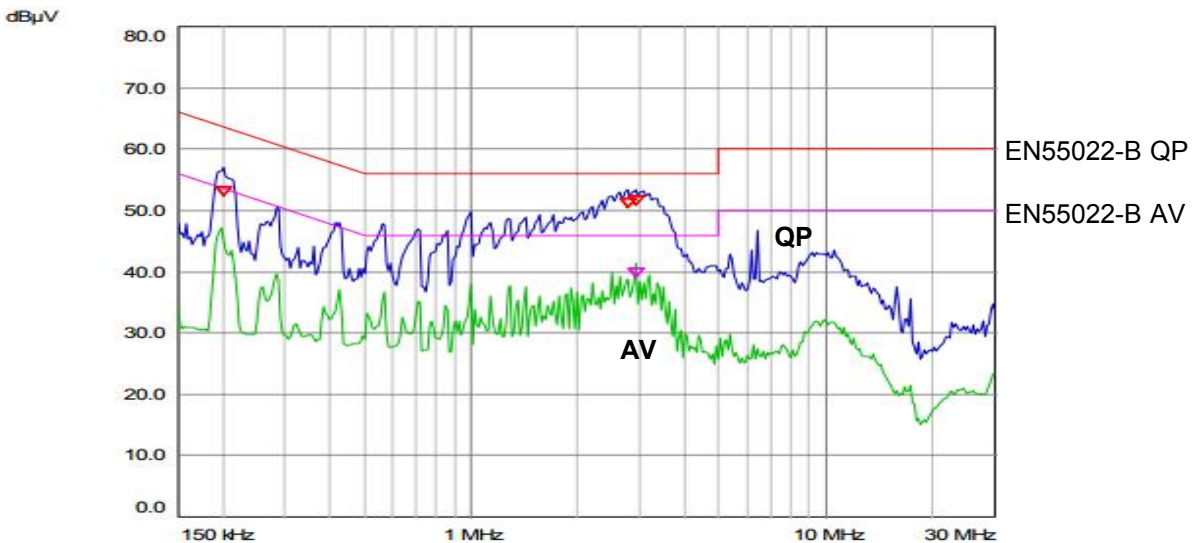
Interference wave list

PHASE	TRACE	EN55022-B			
		FREQ MHz	LEVEL dBμV	LIMIT dBμV	DELTA LIMIT dBμV
L	1 QP	0.198839	54.06	63.66	-9.60
	1 QP	3.056813	49.93	56.00	-6.07
N	1 QP	0.200435	52.26	63.59	-11.33
	1 QP	2.913622	50.88	56.00	-5.12

Phase L



Phase N



2. Test Data

RFE2500

2.1 Conducted Emission

24V

(1) Test condition

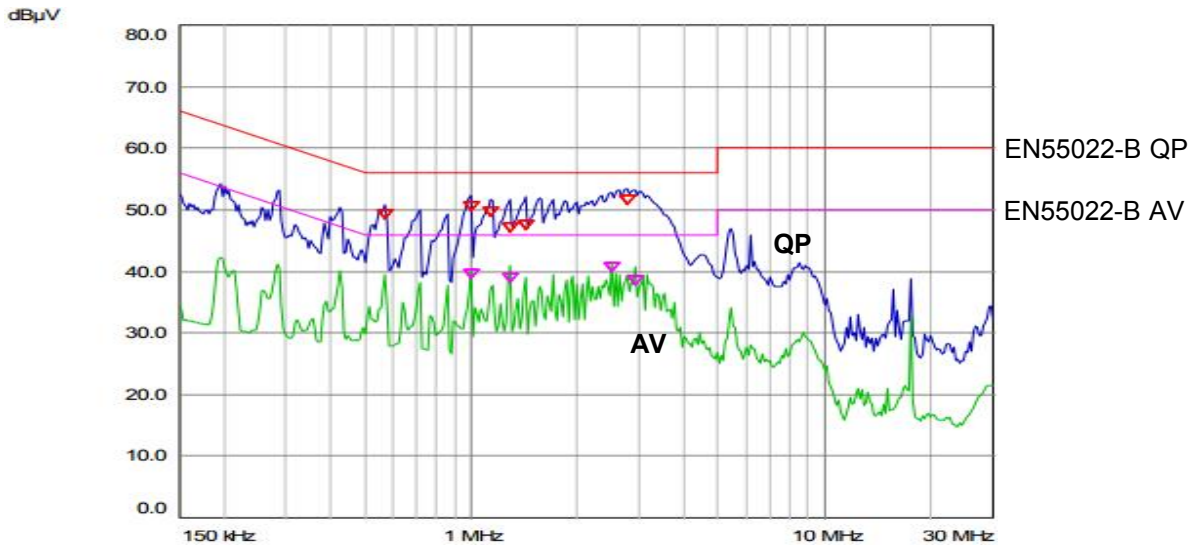
Input voltage/frequency: 230VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: EN55022-B

(2) Test results

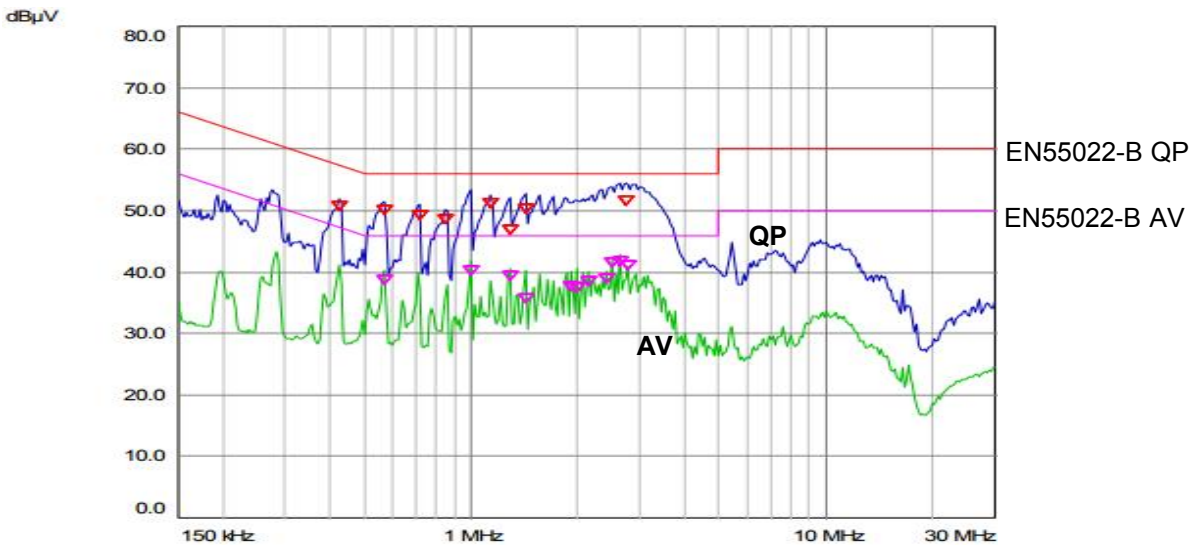
Interference wave list

PHASE	TRACE	EN55022-B			
		FREQ MHz	LEVEL dB μ V	LIMIT dB μ V	DELTA LIMIT dB μ V
L	1 QP	1.000932	49.84	56.00	-6.16
	1 QP	2.774364	50.75	56.00	-5.25
N	1 QP	1.140955	50.47	56.00	-5.53
	2 AV	2.633852	40.96	46.00	-5.04

Phase L



Phase N



2. Test Data

RFE2500

2.1 Conducted Emission

48V

(1) Test condition

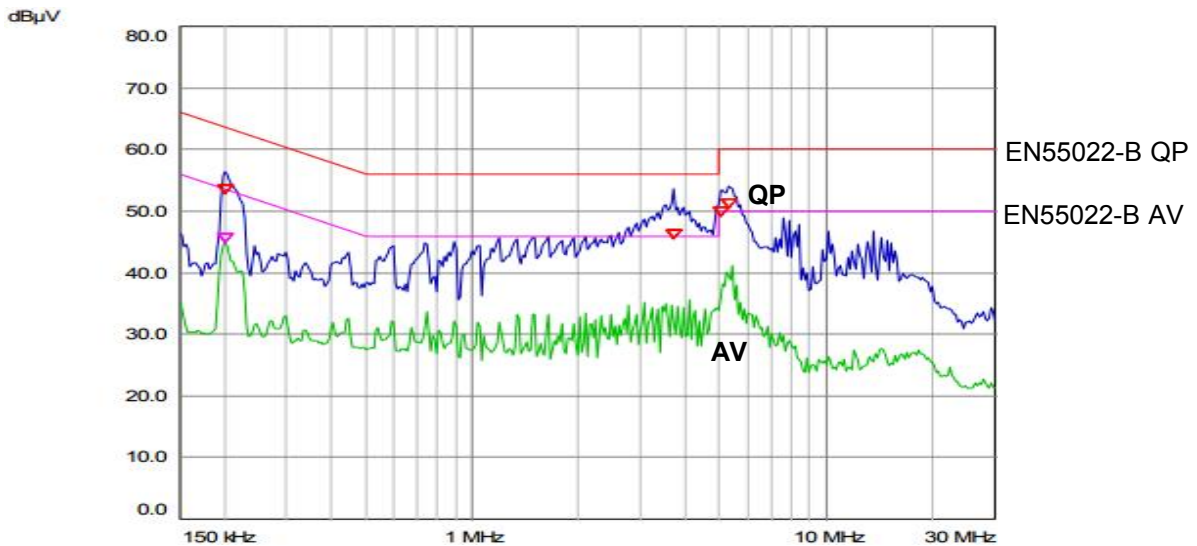
Input voltage/frequency: 100VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: EN55022-B

(2) Test results

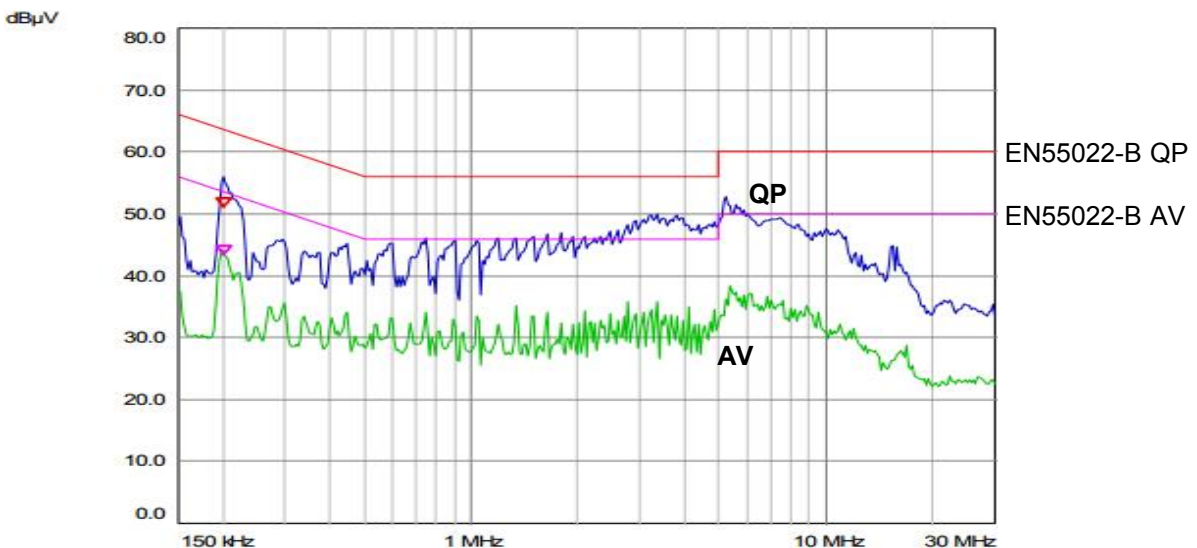
Interference wave list

EN55022-B					
PHASE	TRACE	FREQ	LEVEL	LIMIT	DELTA LIMIT
		MHz	dB μ V	dB μ V	dB μ V
L	2 AV	0.201037	44.72	53.57	-8.85
	1 QP	5.296775	50.44	60.00	-9.56
N	1 QP	0.200035	51.14	63.61	-12.47
	2 AV	0.201842	43.33	53.53	-10.20

Phase L



Phase N



2. Test Data

RFE2500

2.1 Conducted Emission

48V

(1) Test condition

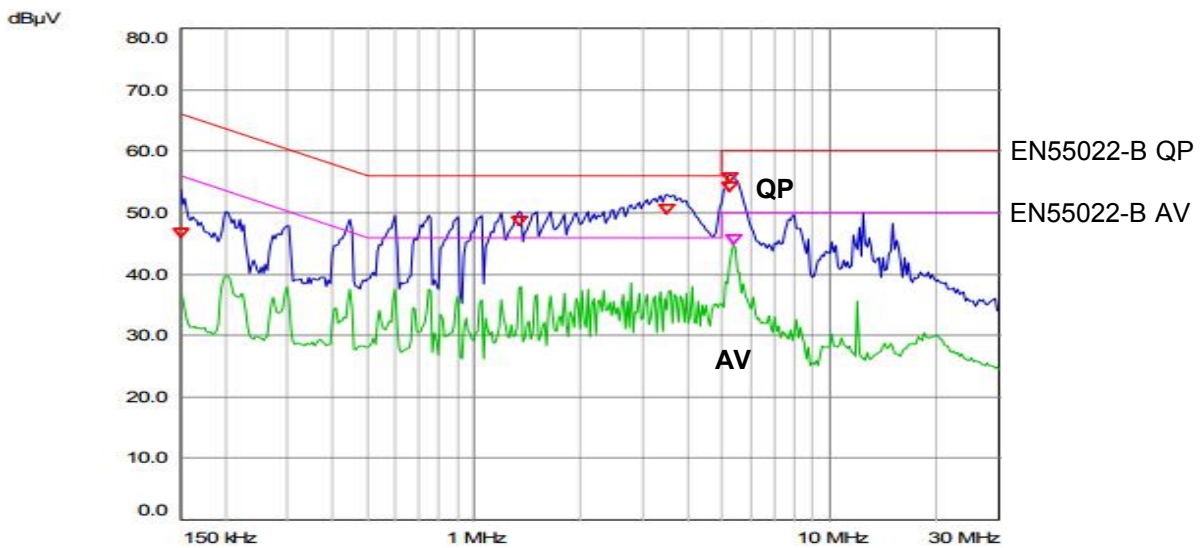
Input voltage/frequency: 230VAC/50Hz
 Output current: 100%
 Ambient temperature: 25°C
 Regulation: EN55022-B

(2) Test results

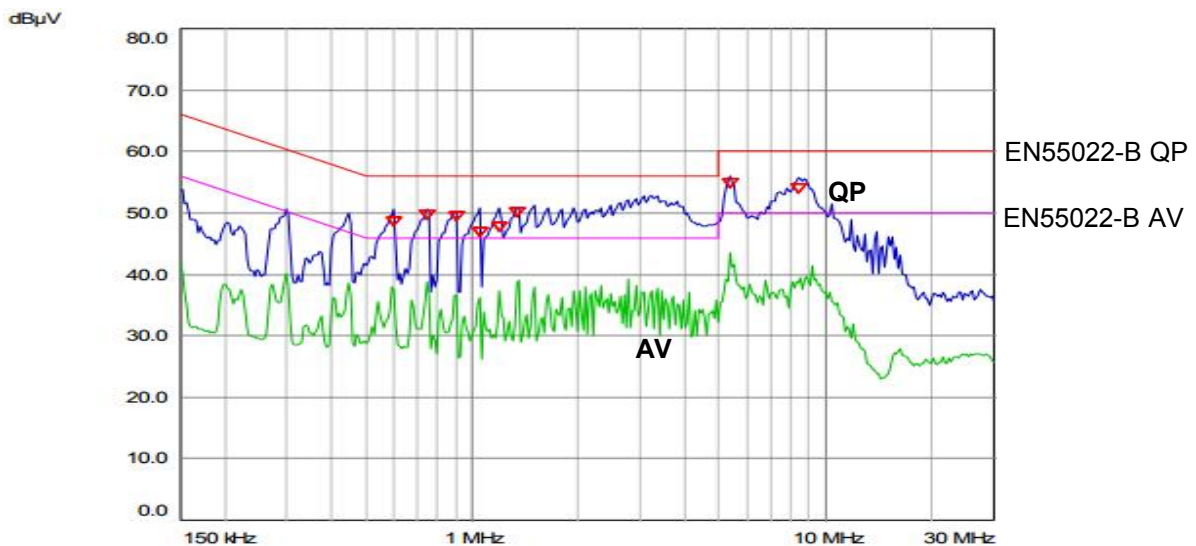
Interference wave list

PHASE	TRACE	EN55022-B			
		FREQ MHz	LEVEL dBμV	LIMIT dBμV	DELTA LIMIT dBμV
L	1 QP	1.344179	47.85	56.00	-8.15
	1 QP	5.244098	55.00	60.00	-5.00
N	1 QP	0.749069	48.99	56.00	-7.01
	1 QP	5.392932	54.11	60.00	5.89

Phase L



Phase N



2. Test Data

RFE2500

2.2 Radiated Emission

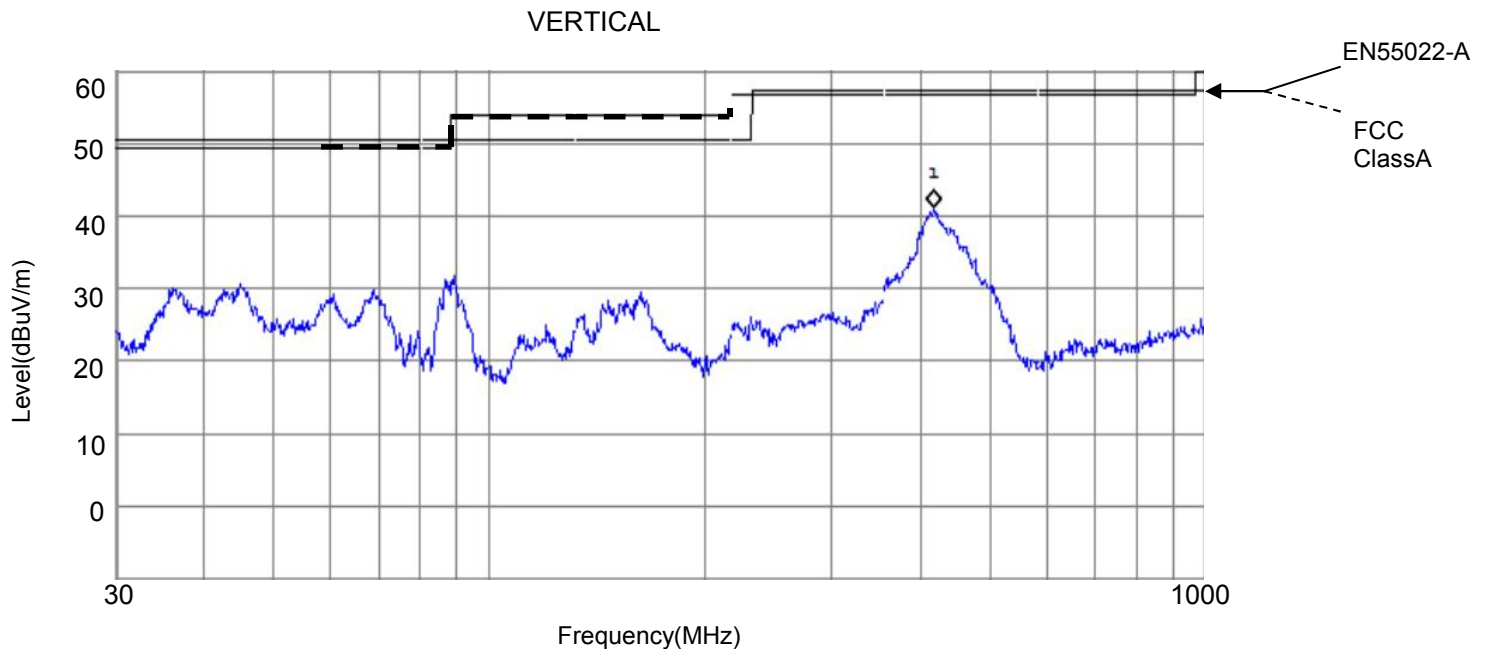
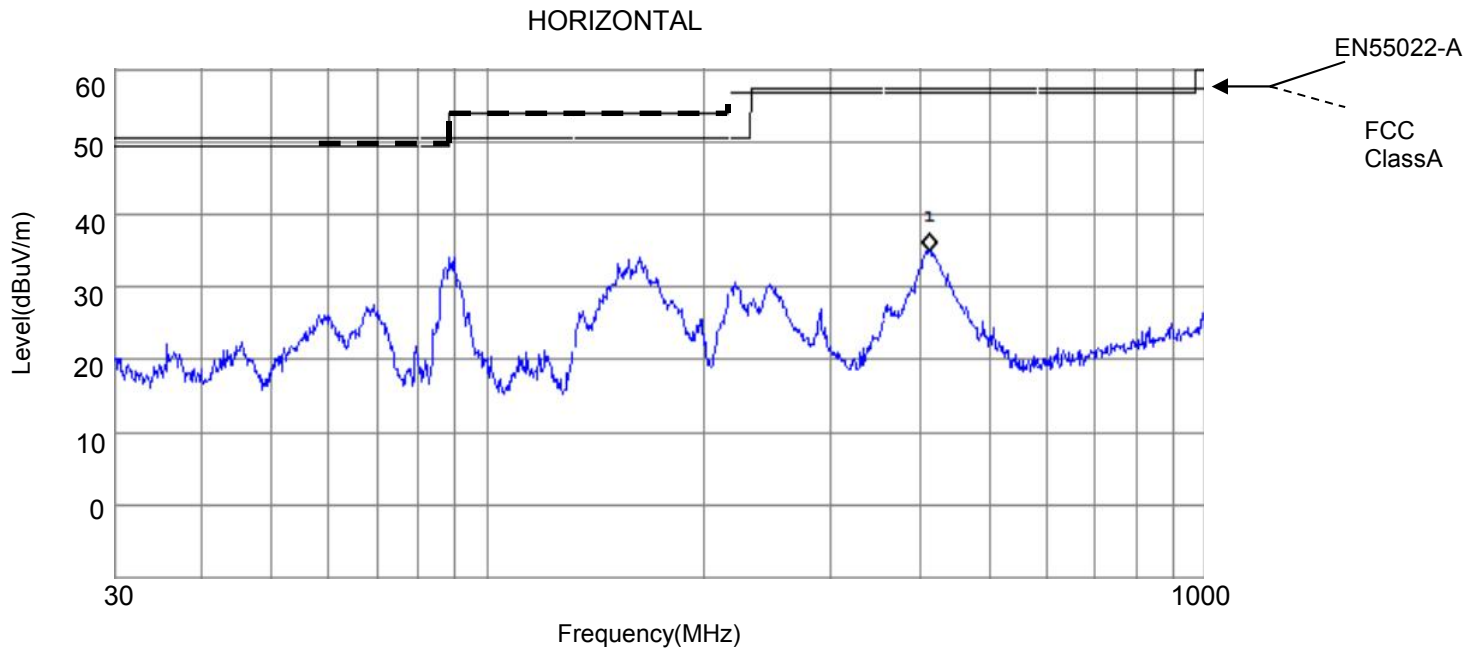
12V

Conditions: Vin: 100VAC

Vout: 12V

Iout: 100%

Ta: 25°C



Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Limit (dBuV/m)	QP margin (dB)	Polariz.
416.18	41.1	38.3	56.9(FCC)	-18.6	Vertical
416.18	41.1	38.3	57.5(EN)	-19.2	Vertical
409.80	34.9	30.8	56.9(FCC)	-26.1	Horizontal
409.80	34.9	30.8	57.5(EN)	-26.7	Horizontal

Limits of EN55022-A are same as VCCI-A

2. Test Data

RFE2500

2.2 Radiated Emission

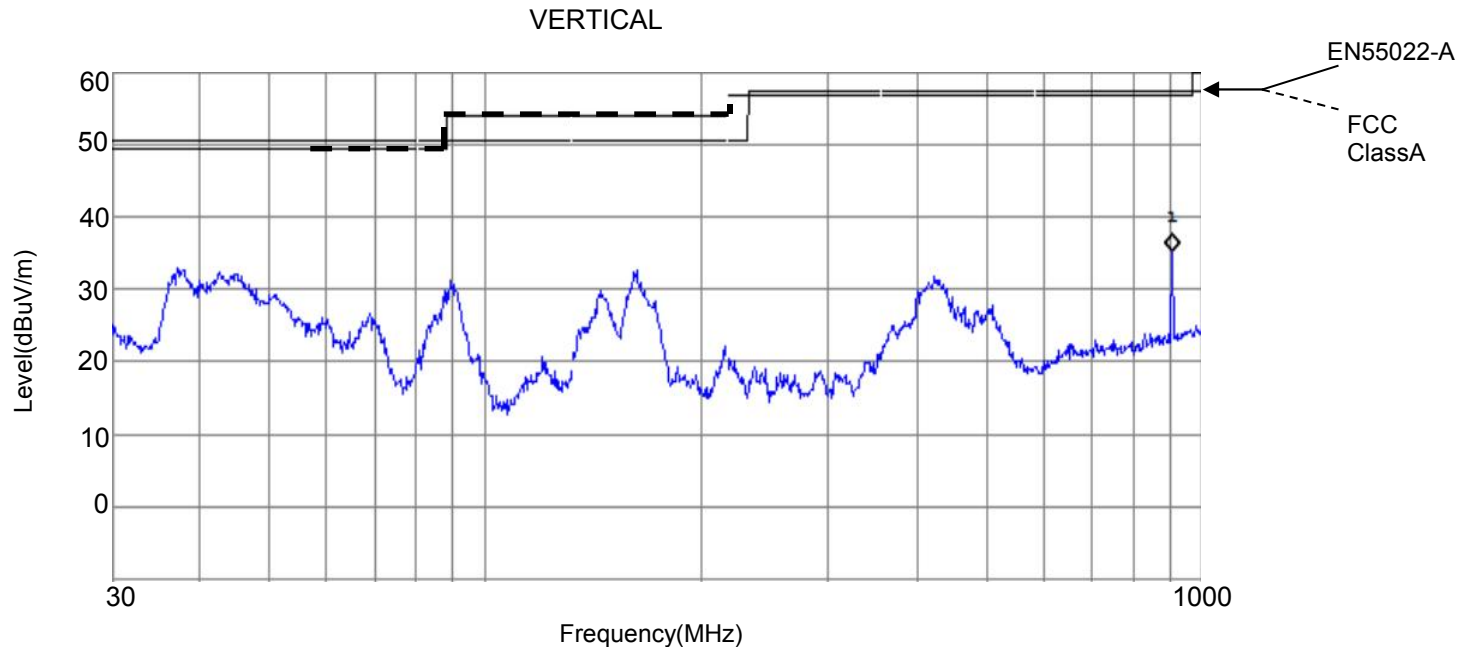
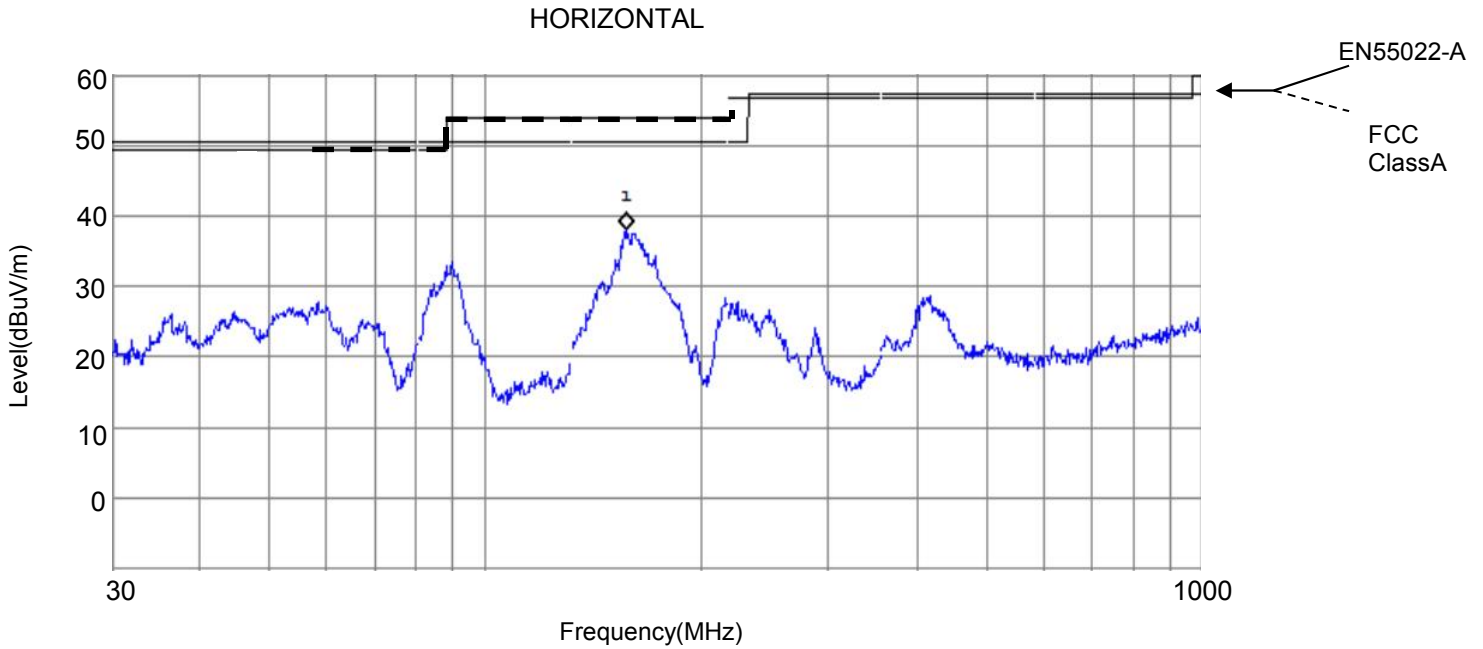
12V

Conditions: Vin: 230VAC

Vout: 12V

Iout: 100%

Ta: 25°C



Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Limit (dBuV/m)	QP margin (dB)	Polariz.
904.47	35.1	31.2	54.0(FCC)	-22.8	Vertical
904.47	35.1	31.2	50.5(EN)	-19.3	Vertical
156.66	38.0	33.8	56.9(FCC)	-23.1	Horizontal
156.66	38.0	33.8	57.5(EN)	-23.7	Horizontal

Limits of EN55022-A are same as VCCI-A

2. Test Data

RFE2500

2.2 Radiated Emission

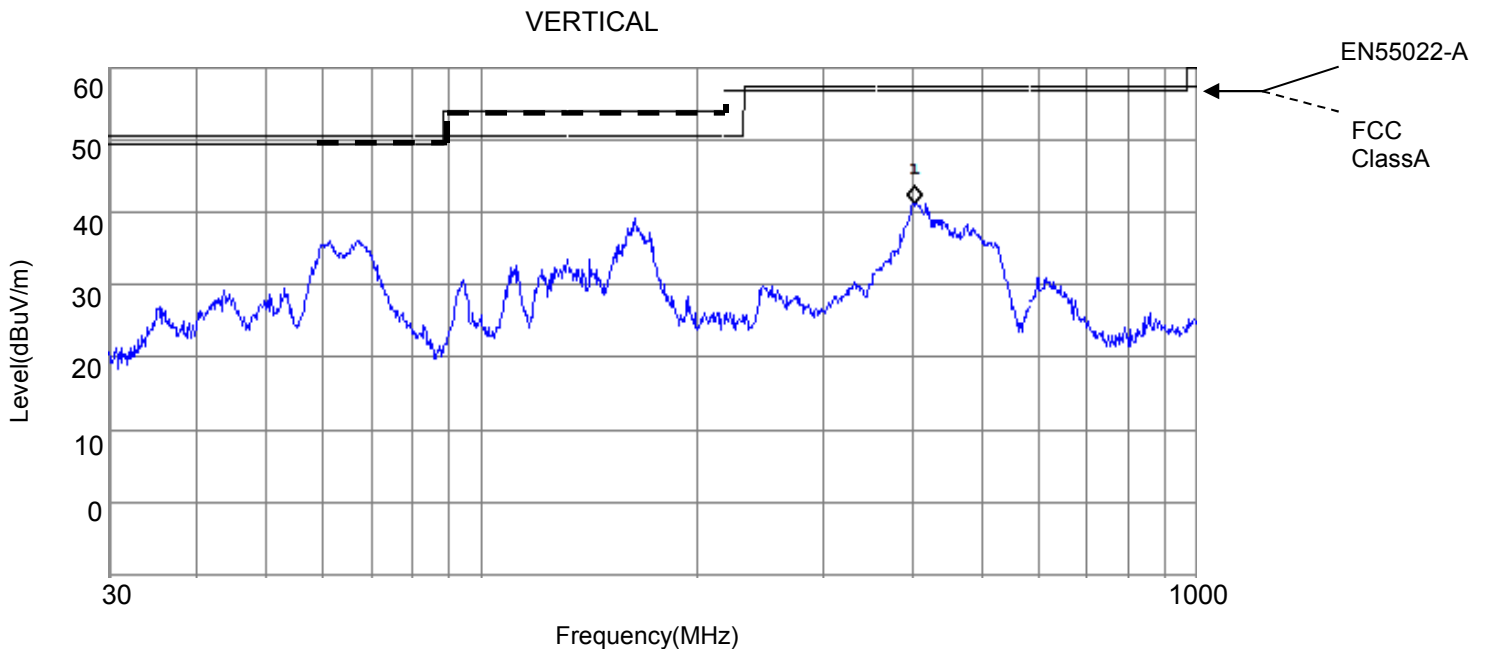
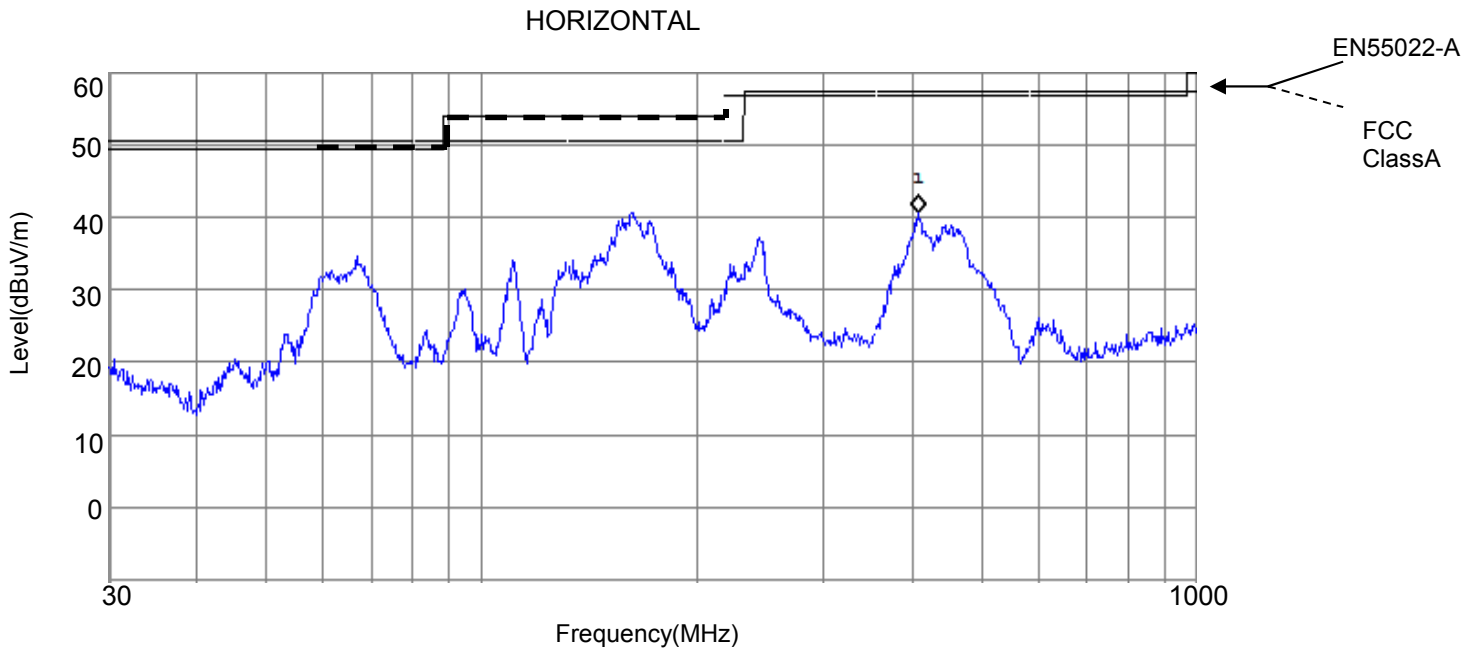
24V

Conditions: Vin: 100VAC

Vout: 24V

Iout: 100%

Ta: 25°C



Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Limit (dBuV/m)	QP margin (dB)	Polariz.
401.96	41.3	37.4	56.9(FCC)	-19.5	Vertical
401.96	41.3	37.4	57.5(EN)	-20.1	Vertical
405.08	40.6	36.4	56.9(FCC)	-20.5	Horizontal
405.08	40.6	36.4	57.5(EN)	-21.1	Horizontal

Limits of EN55022-A are same as VCCI-A

2. Test Data

RFE2500

2.2 Radiated Emission

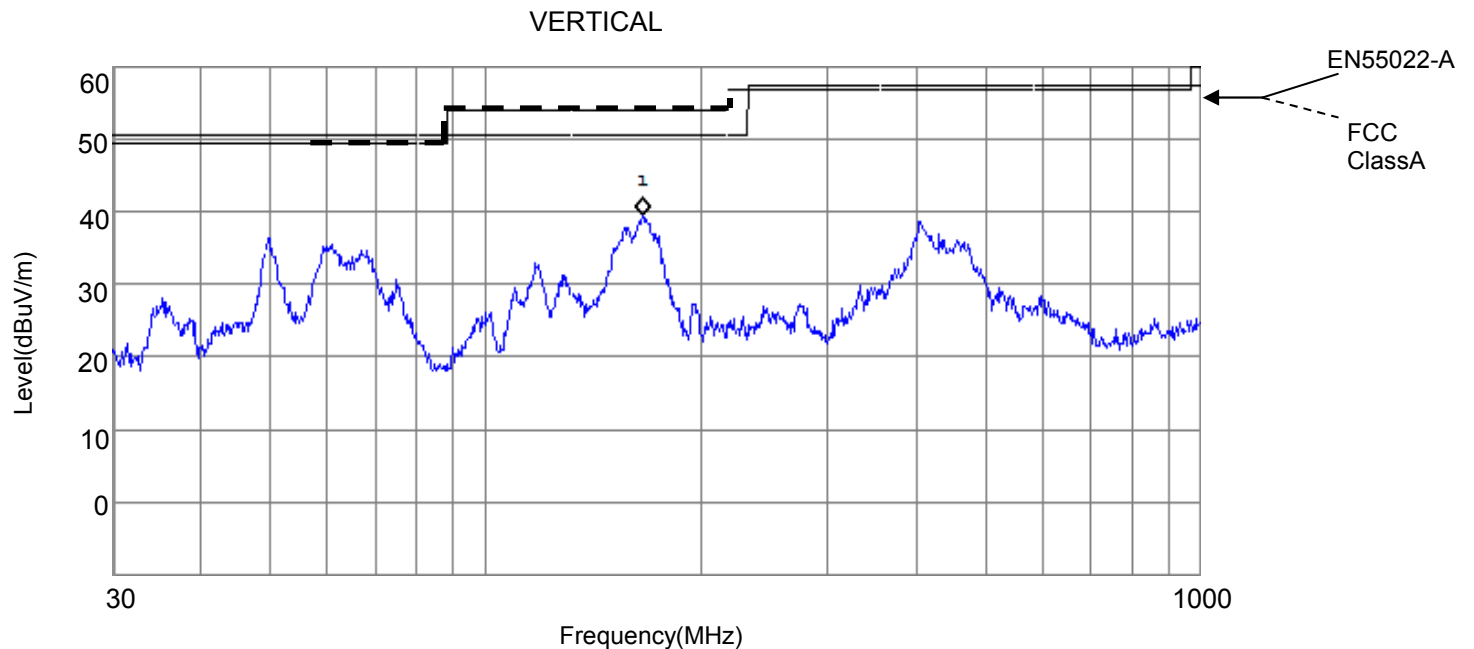
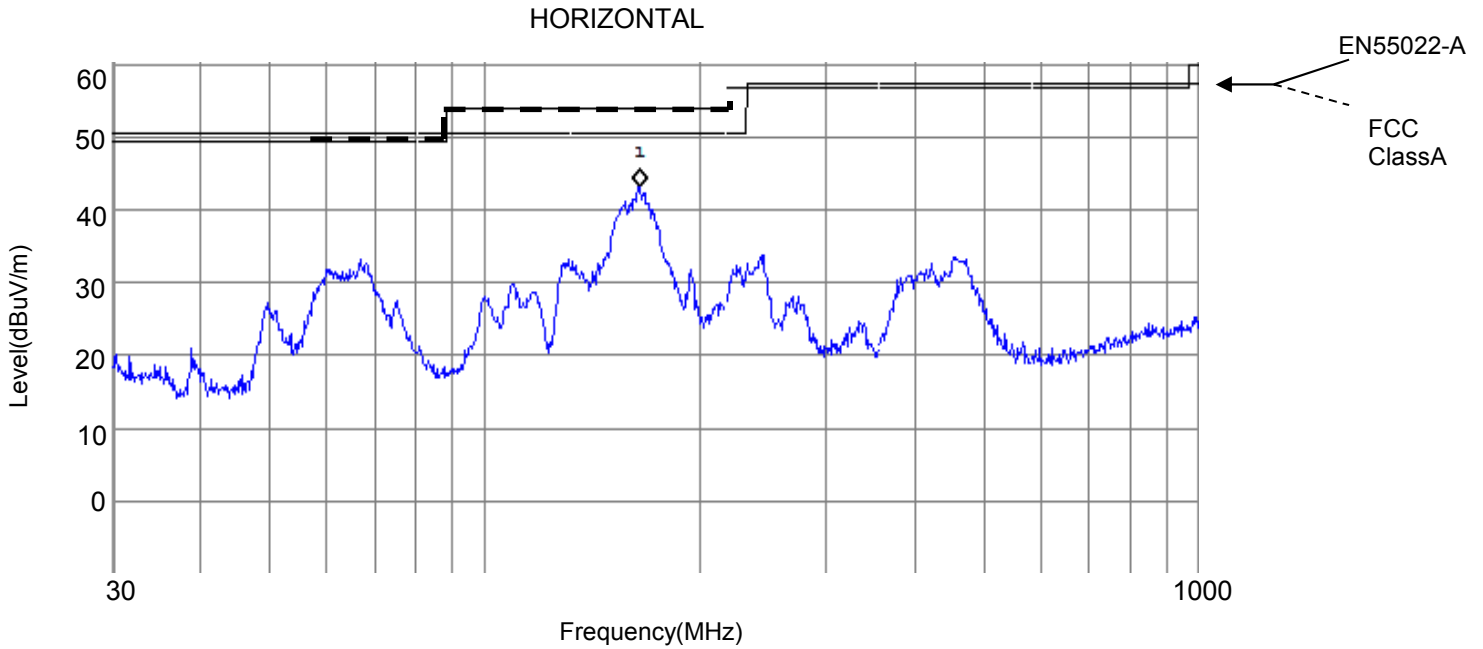
24V

Conditions: Vin: 230VAC

Vout: 24V

Iout: 100%

Ta: 25°C



Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Limit (dBuV/m)	QP margin (dB)	Polariz.
164.72	39.4	35.1	54.0(FCC)	-18.9	Vertical
164.72	39.4	35.1	50.5(EN)	-15.4	Vertical
164.09	43.2	38.8	54.0(FCC)	-15.2	Horizontal
164.09	43.2	38.8	50.5(EN)	-11.7	Horizontal

Limits of EN55022-A are same as VCCI-A

2. Test Data

RFE2500

2.2 Radiated Emission

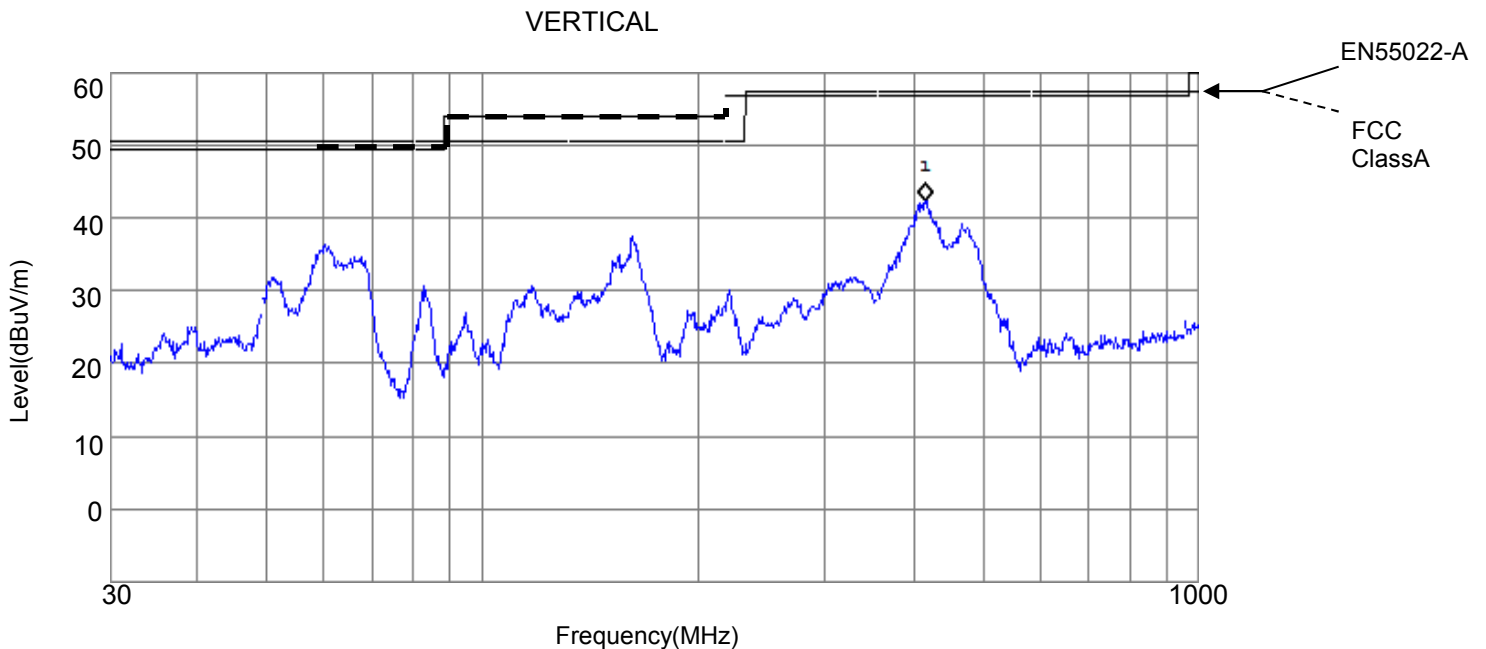
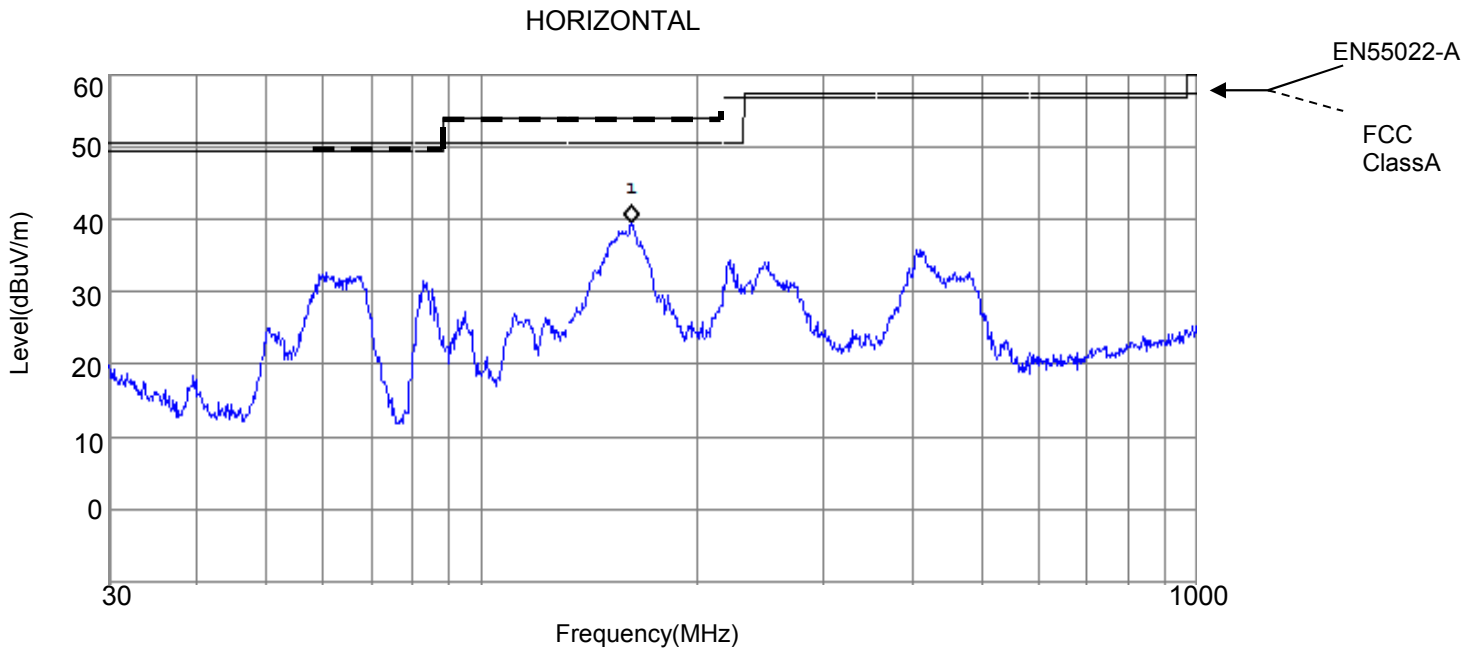
48V

Conditions: Vin: 100VAC

Vout: 48V

Iout: 100%

Ta: 25°C



Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Limit (dBuV/m)	QP margin (dB)	Polariz.
412.98	42.2	38.0	56.9(FCC)	-18.9	Vertical
412.98	42.2	38.0	57.5(EN)	-19.5	Vertical
160.95	39.5	35.8	54.0(FCC)	-18.2	Horizontal
160.95	39.5	35.8	50.5(EN)	-14.7	Horizontal

Limits of EN55022-A are same as VCCI-A

2. Test Data

RFE2500

2.2 Radiated Emission

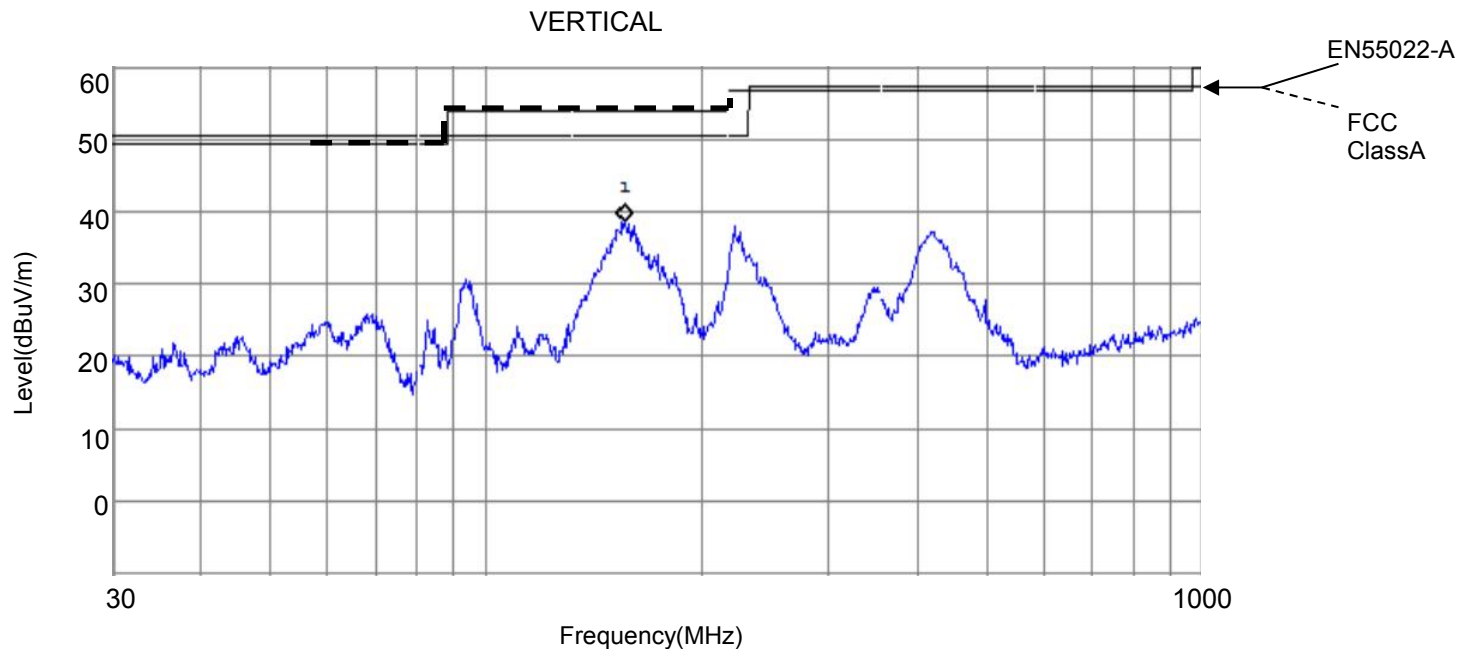
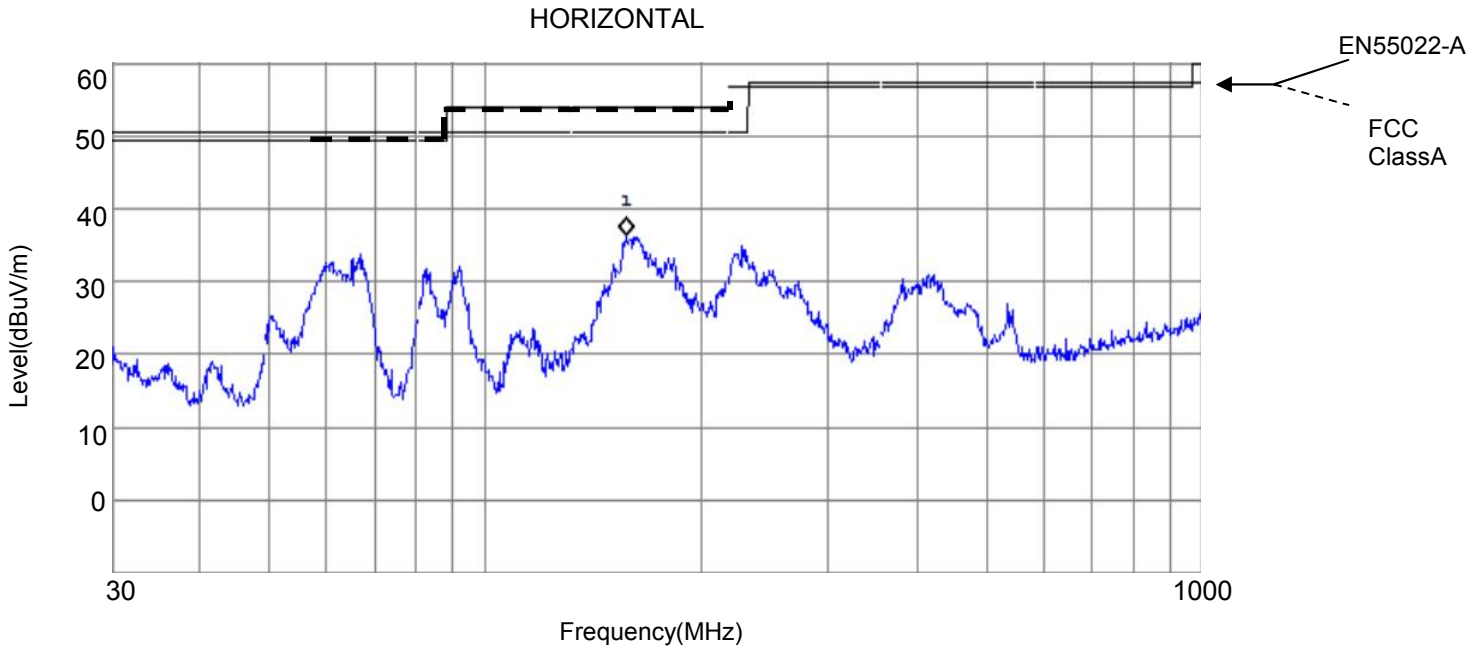
48V

Conditions: Vin: 230VAC

Vout: 48V

Iout: 100%

Ta: 25°C



Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Limit (dBuV/m)	QP margin (dB)	Polariz.
155.45	38.6	34.3	54.0(FCC)	-19.7	Vertical
155.45	38.6	34.3	50.5(EN)	-16.2	Vertical
156.05	36.2	32.4	54.0(FCC)	-21.6	Horizontal
156.05	36.2	32.4	50.5(EN)	-18.1	Horizontal

Limits of EN55022-A are same as VCCI-A