

G⁺ENESYS™ 1kW

EMI

DATA

APPD	CHK	DWG
<i>csanni</i> 02/06/20	<i>Sing</i> 01.06.2020	Michael Goldsberg 01/06/2020

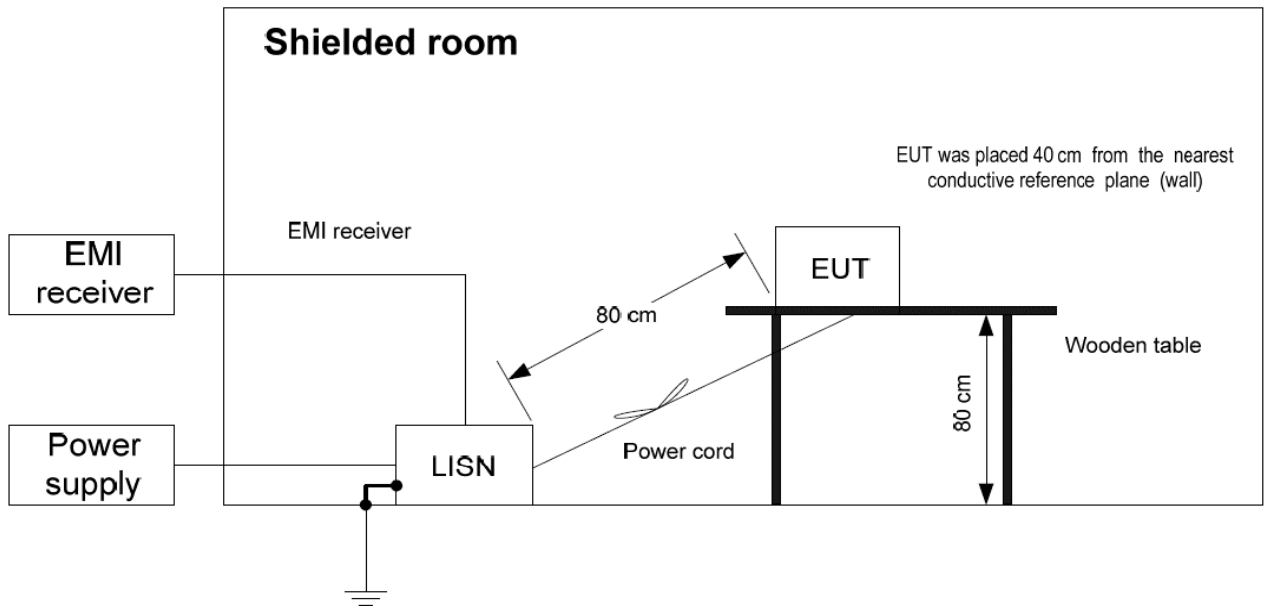
TDK-LAMBDA

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The above data is typical value data.
The values are considered to be actual capability data.

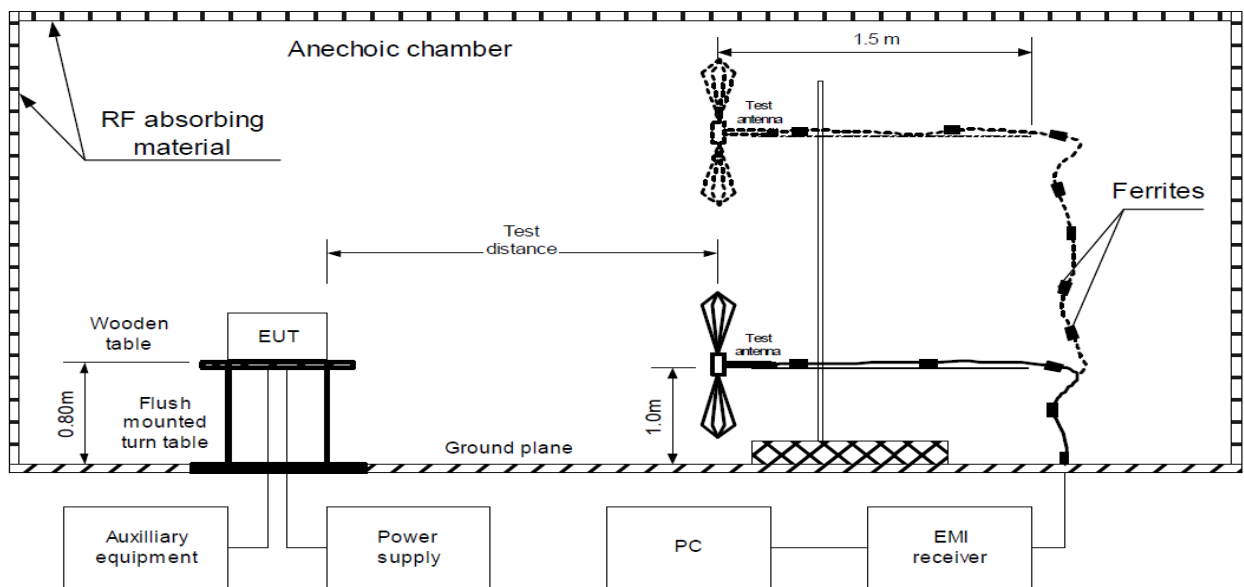
1. Test Method

(1) Conducted Emission



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

(2) Radiated Emission



Trilog Antenna	Frankonia	ALX-8000E
Active Horn Antenna	COM-POWER CORP.	AHA-118
EMI Test Receiver	Rohde&Schwarz	(EMCO)
Temp.&Humidity Meter	Mad Electronics	HTC-1
Microwave cable Assembly	Huber-Suhner	SUCOFLEX 102A
RF Cable	Huber-Suhner	SF118/11N

2. Test Data

2.1 Conducted Emission

MODEL: G10-100 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 100VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Intefereance wave list

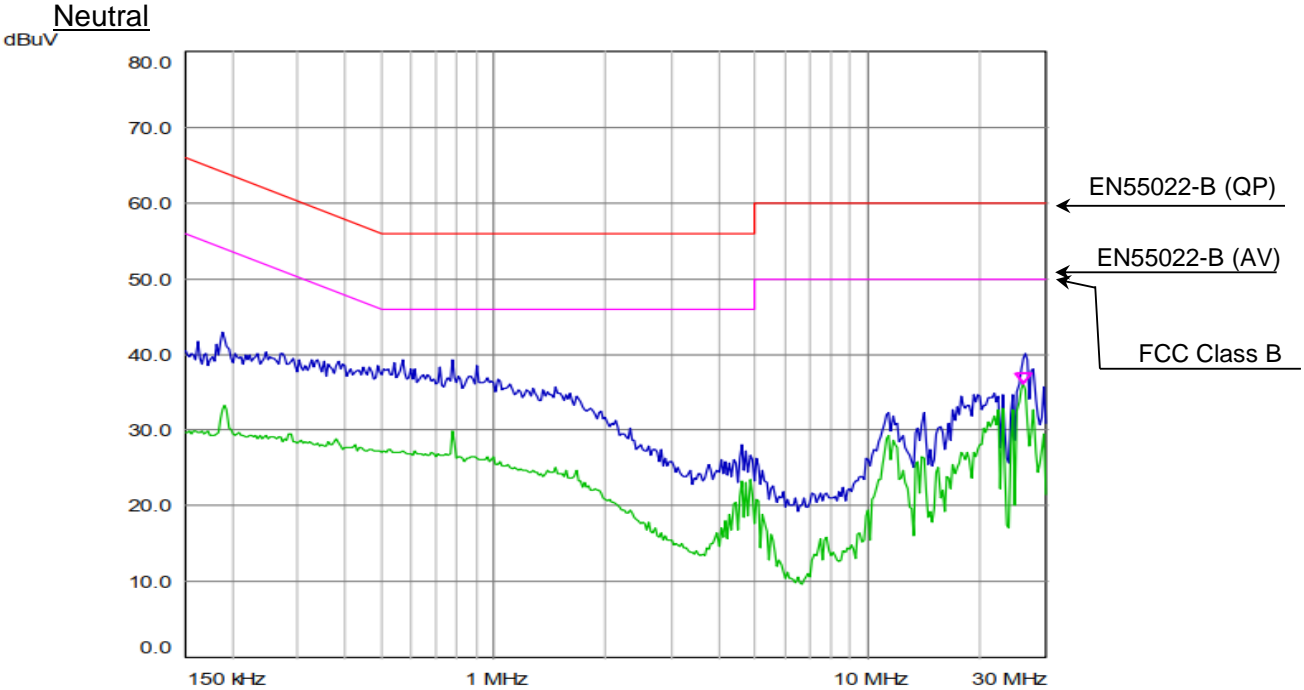
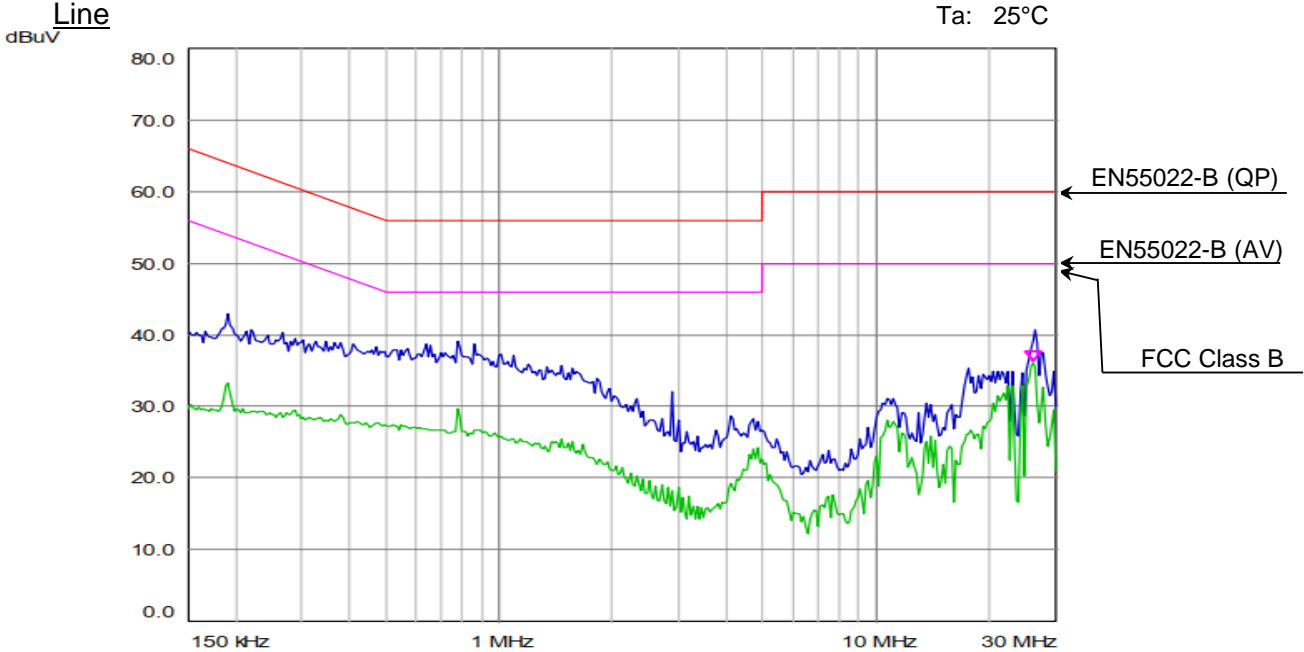
FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBμV	dBμV	dBμV
L	26.00536	36.22	50.00	13.78
N	26.00536	36.16	50.00	13.84

2. Test Data

2.1 Conducted Emission

MODEL: G10-100 1P200

Vin: 1PHASE 100VAC
Iout: 100%
Vout: 100%
Ta: 25°C



2. Test Data

2.1 Conducted Emission

MODEL: G10-100 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Intefereance wave list

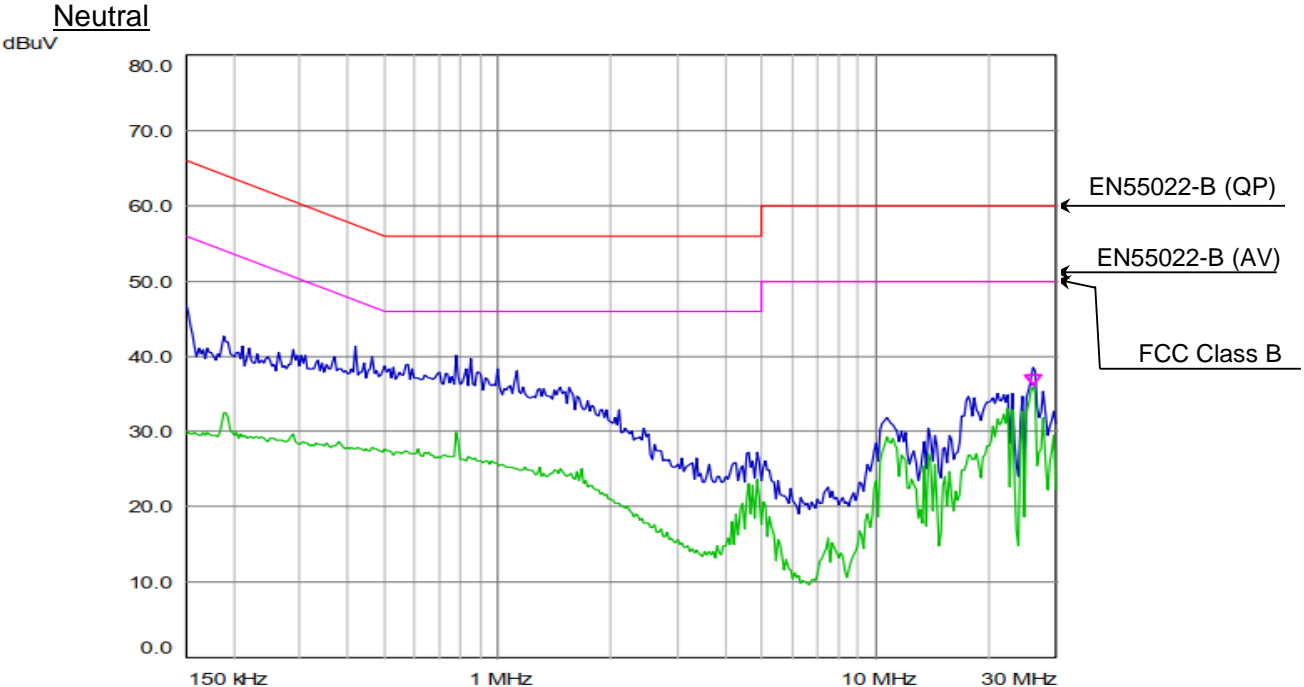
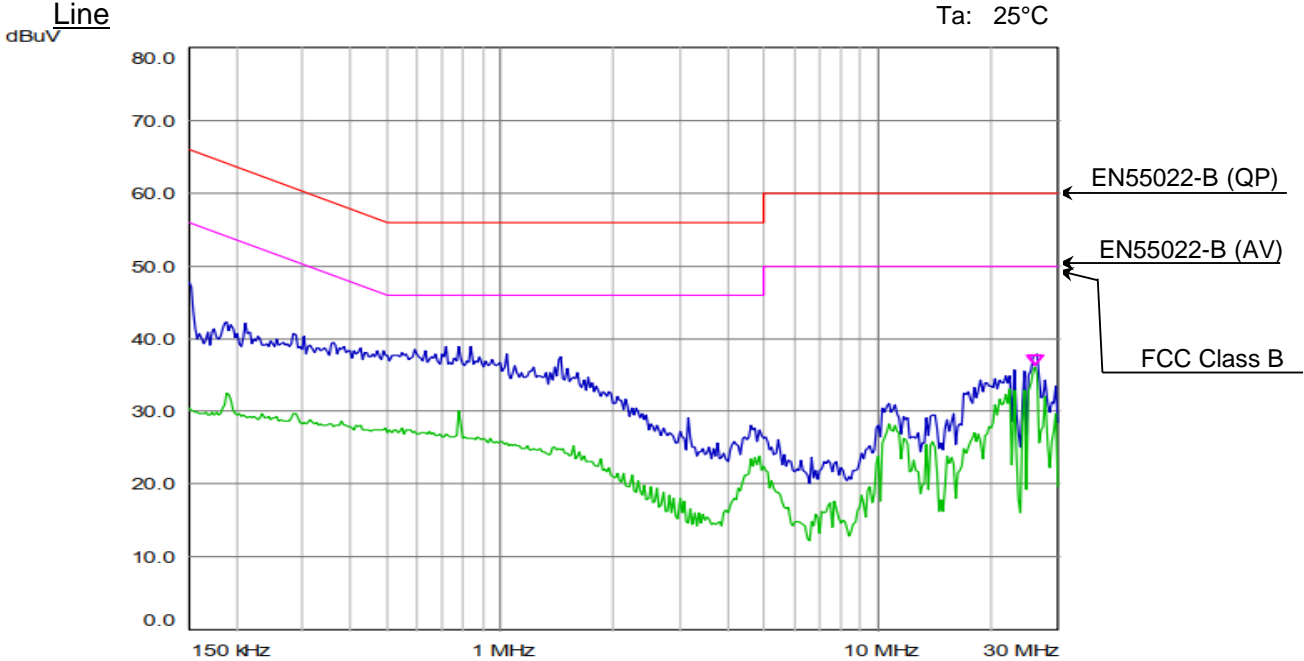
FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBμV	dBμV	dBμV
L	26.00536	36.21	50.00	13.79
N	26.00536	36.04	50.00	13.96

2. Test Data

2.1 Conducted Emission

MODEL: G10-100 1P200

Vin: 1PHASE 230VAC
Iout: 100%
Vout: 100%
Ta: 25°C



2. Test Data

2.1 Conducted Emission

MODEL: G60-17 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 100VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

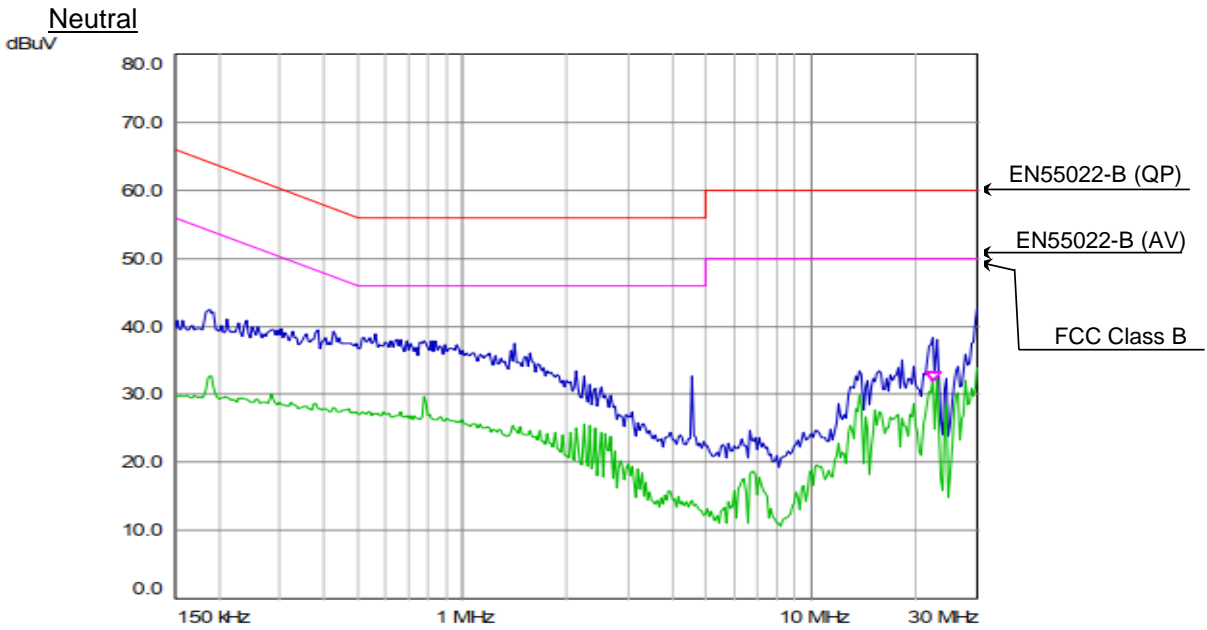
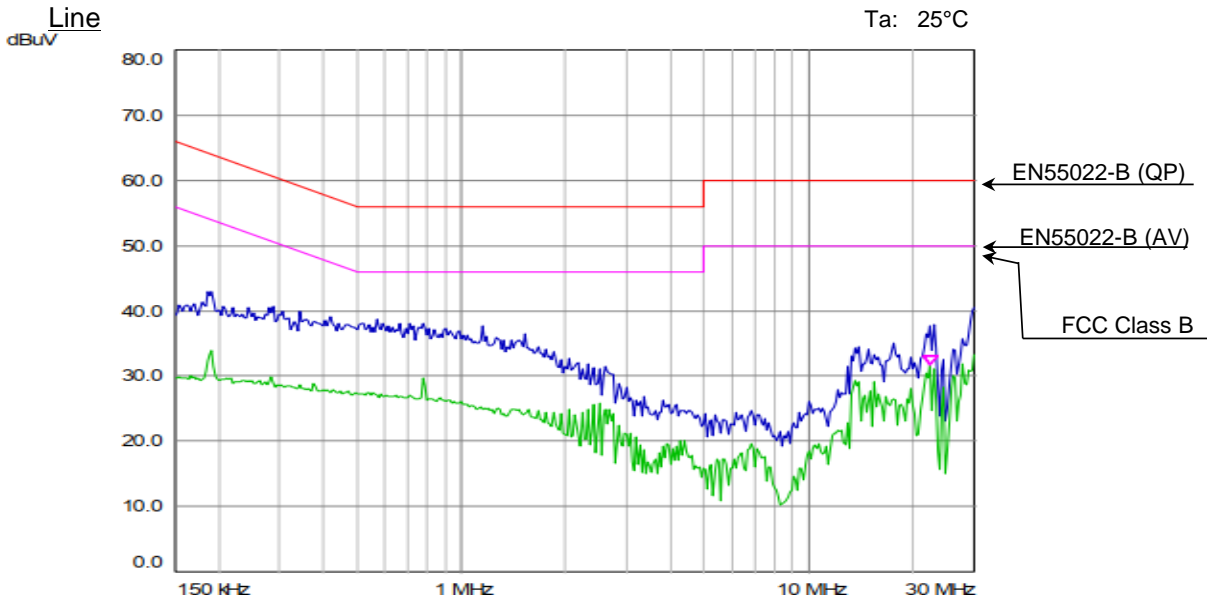
FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBμV	dBμV	dBμV
L	22.40709	31.70	50.00	18.30
N	22.40709	31.91	50.00	18.09

2. Test Data

2.1 Conducted Emission

MODEL: G60-17 1P200

Conditions: Vin: 1PHASE 100VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C



2. Test Data

2.1 Conducted Emission

MODEL: G60-17 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

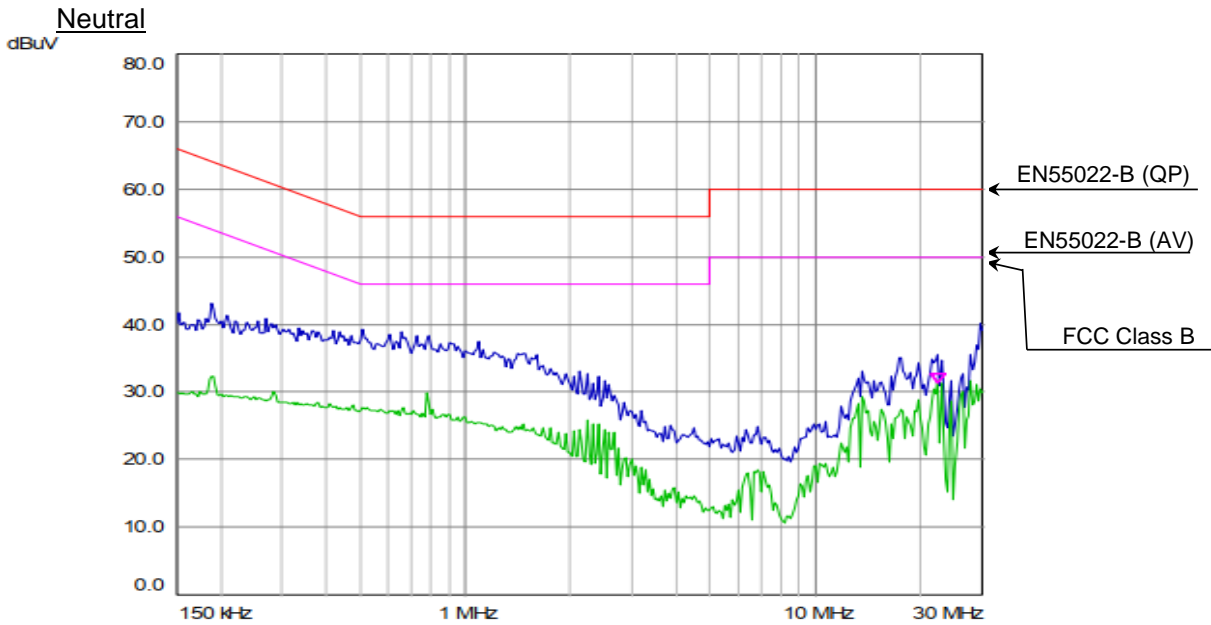
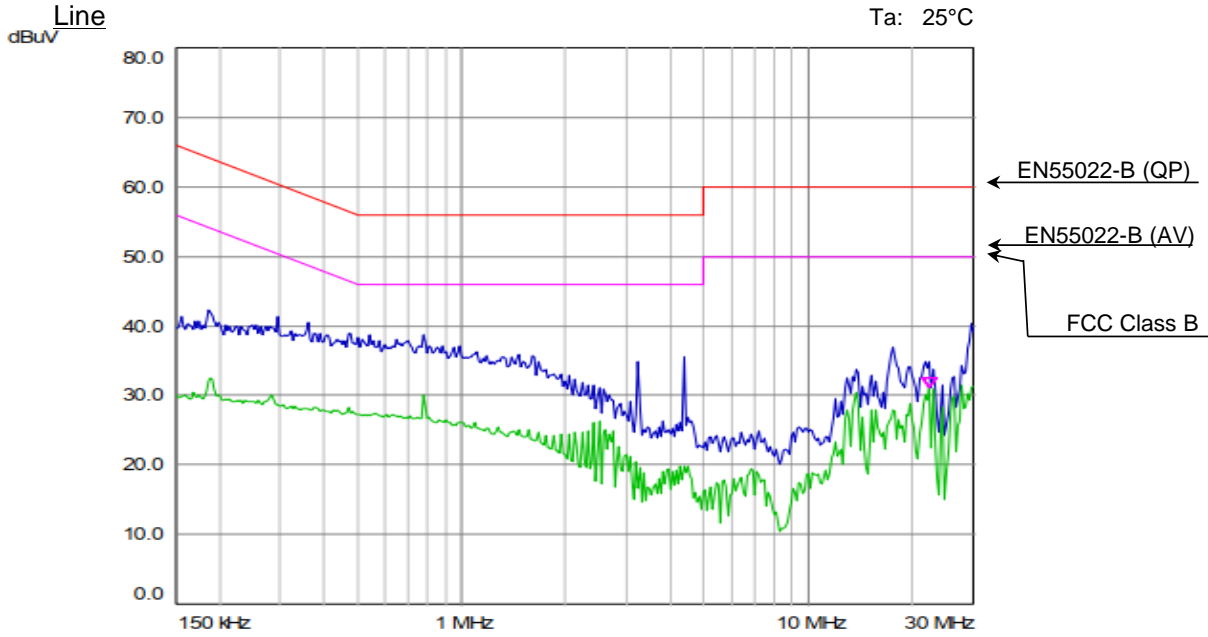
FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dBμV	dBμV	dBμV
L	22.40709	31.00	50.00	19.00
N	22.40709	31.30	50.00	18.70

2. Test Data

2.1 Conducted Emission

MODEL: G60-17 1P200

Conditions: Vin: 1PHASE 230VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C



2. Test Data

2.1 Conducted Emission

MODEL: G150-7 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 100VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dB μ V	dB μ V	dB μ V
L	26.47746	42.84	50.00	7.16
N	26.47746	43.09	50.00	6.91

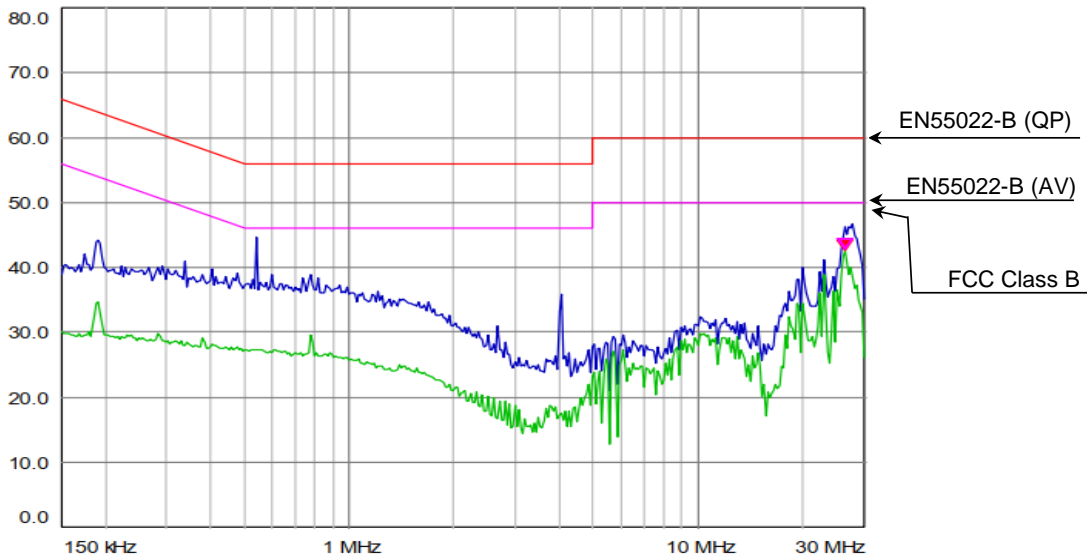
2. Test Data

2.1 Conducted Emission

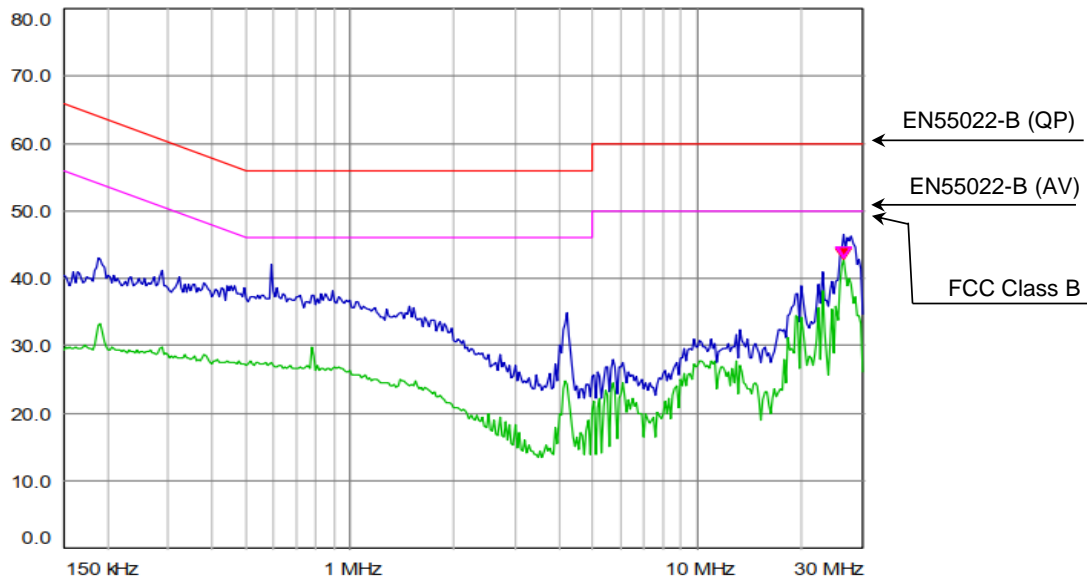
MODEL: G150-7 1P200

Conditions: Vin: 1PHASE 100VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C

Line
 dBuV



Neutral
 dBuV



2. Test Data

2.1 Conducted Emission

MODEL: G150-7 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dB μ V	dB μ V	dB μ V
L	26.47746	43.11	50.00	6.89
N	26.47746	43.41	50.00	6.59

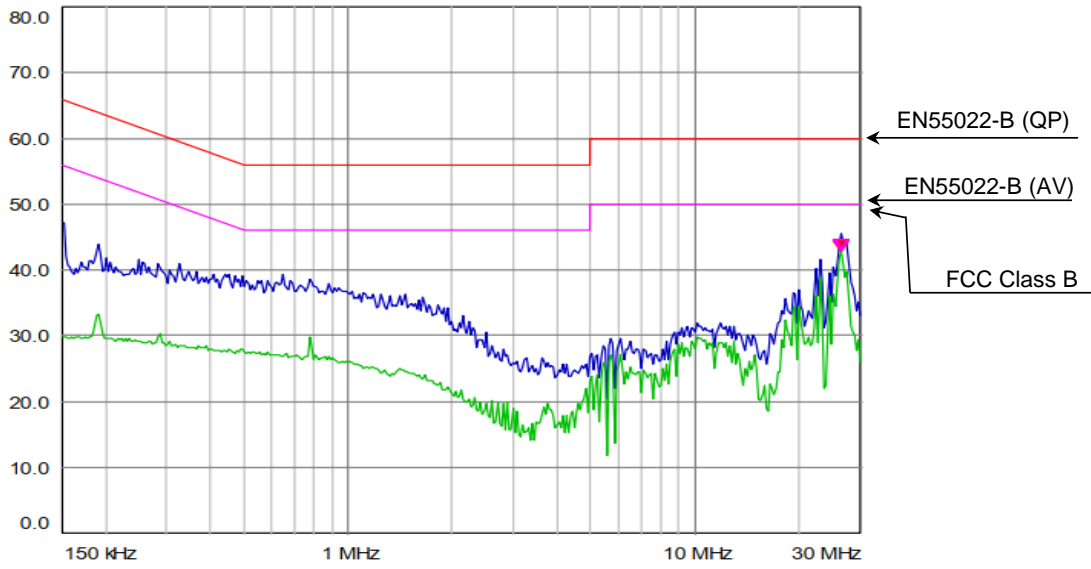
2. Test Data

2.1 Conducted Emission

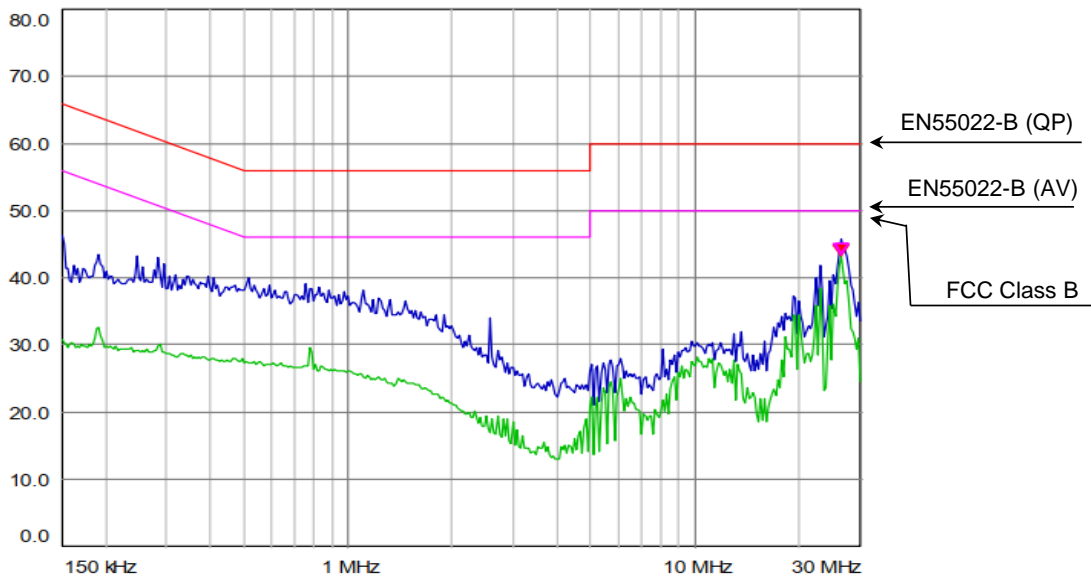
MODEL: G150-7 1P200

Conditions: Vin: 1PHASE 230VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C

Line
 dBuV



Neutral
 dBuV



2. Test Data

2.1 Conducted Emission

MODEL: G600-1.7 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 100VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

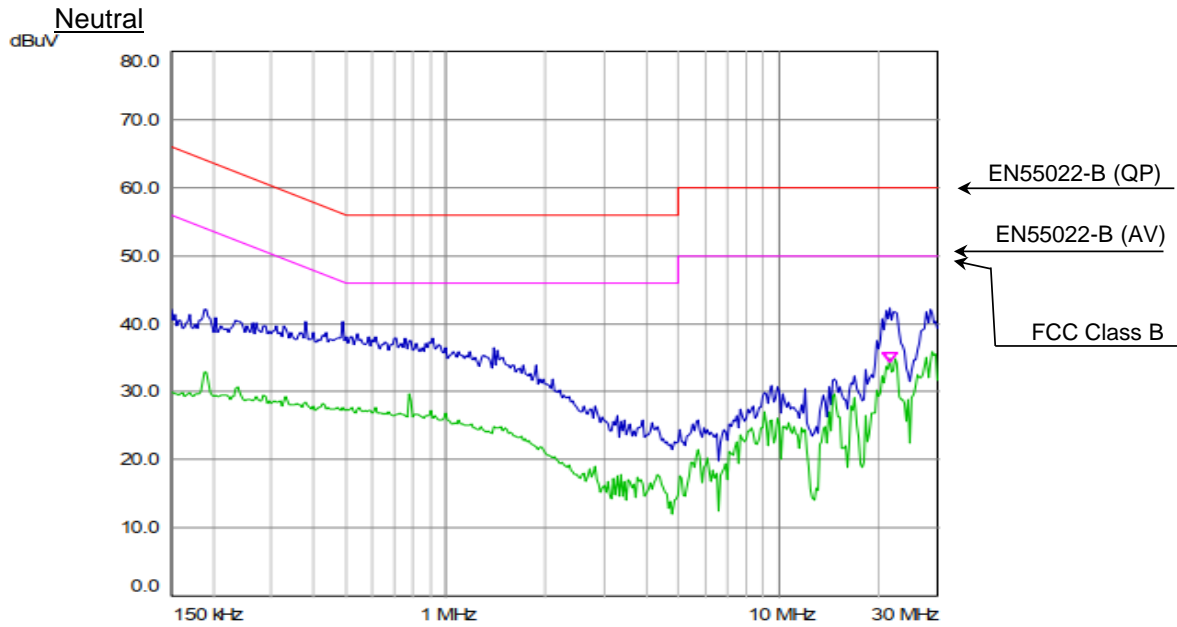
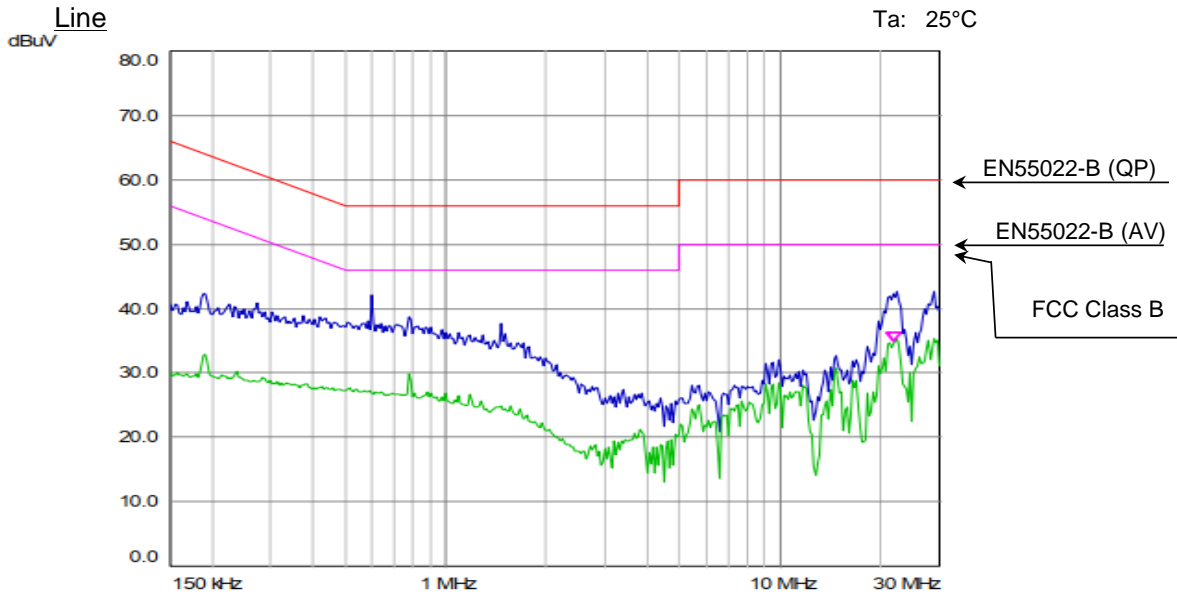
FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dB μ V	dB μ V	dB μ V
L	28.94071	34.92	50.00	15.08
N	28.94071	34.24	50.00	15.76

2. Test Data

2.1 Conducted Emission

MODEL: G600-1.7 1P200

Conditions: Vin: 1PHASE 100VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C



2. Test Data

2.1 Conducted Emission

MODEL: G600-1.7 1P200

(1) Test condition

Input voltage/frequency: 1PHASE 230VAC/50Hz
 Output current: 100%
 Output voltage: 100%
 Ambient temperature: 25°C
 Regulation: FCC Class B, IEC61204-3

(2) Test results

Under the above test condition, emission level was below the limit line.
 Refer to the following interference wave list and next page for spectrum data.

Inteference wave list

FCC Class B, IEC61204-3				
PHASE	FREQ	RESULT	LIMIT	MARGIN
		AV	AV	AV
	MHz	dB μ V	dB μ V	dB μ V
L	28.94071	35.86	50.00	14.14
N	28.94071	36.09	50.00	13.91

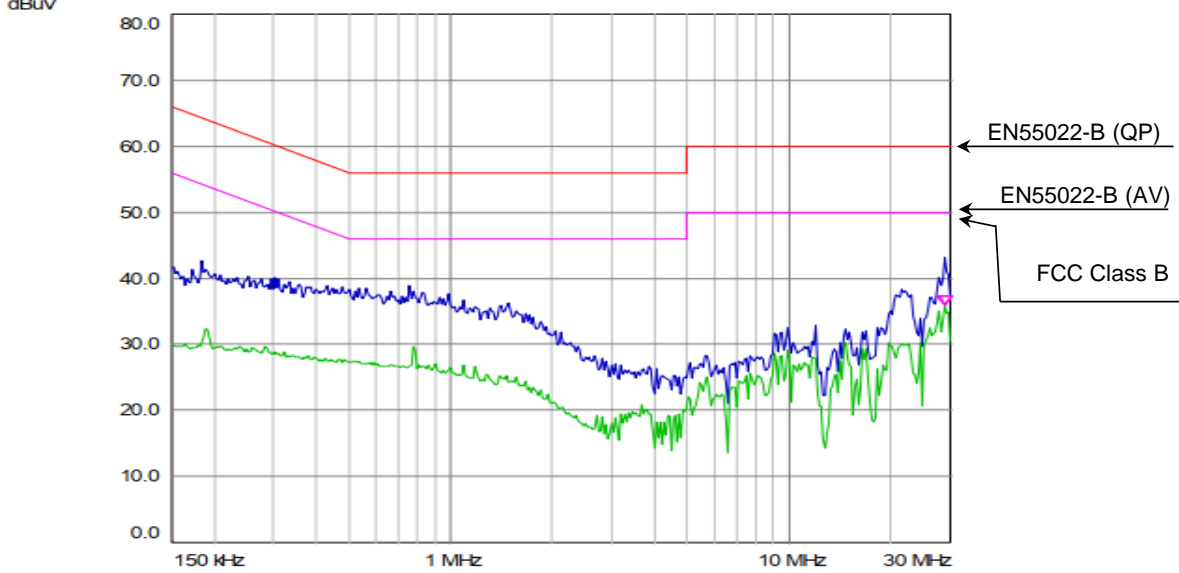
2. Test Data

2.1 Conducted Emission

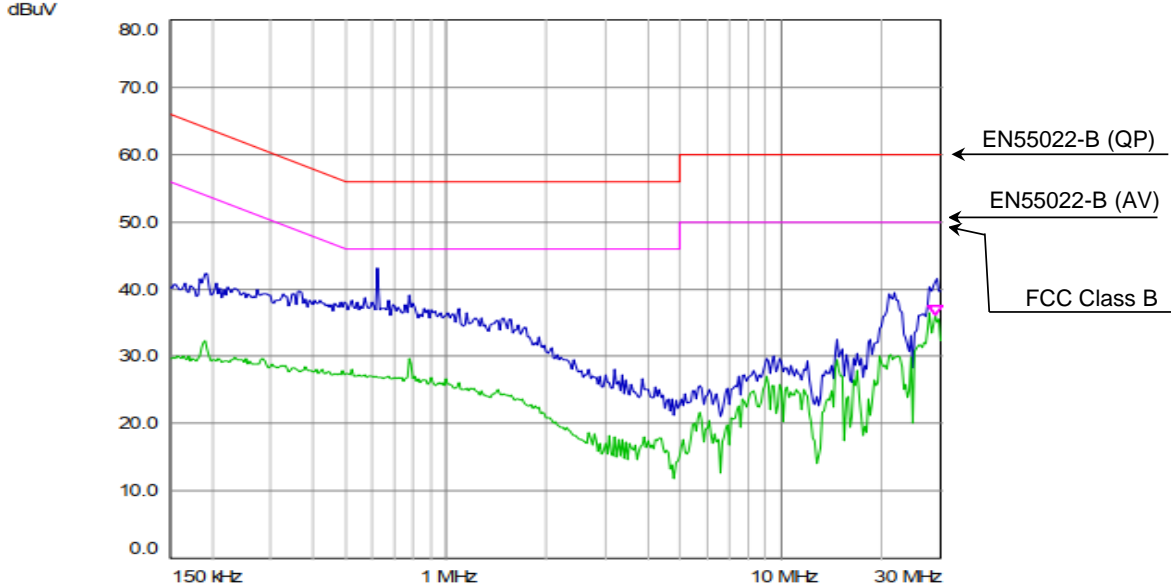
MODEL: G600-1.7 1P200

Conditions: Vin: 1PHASE 230VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C

Line



Neutral

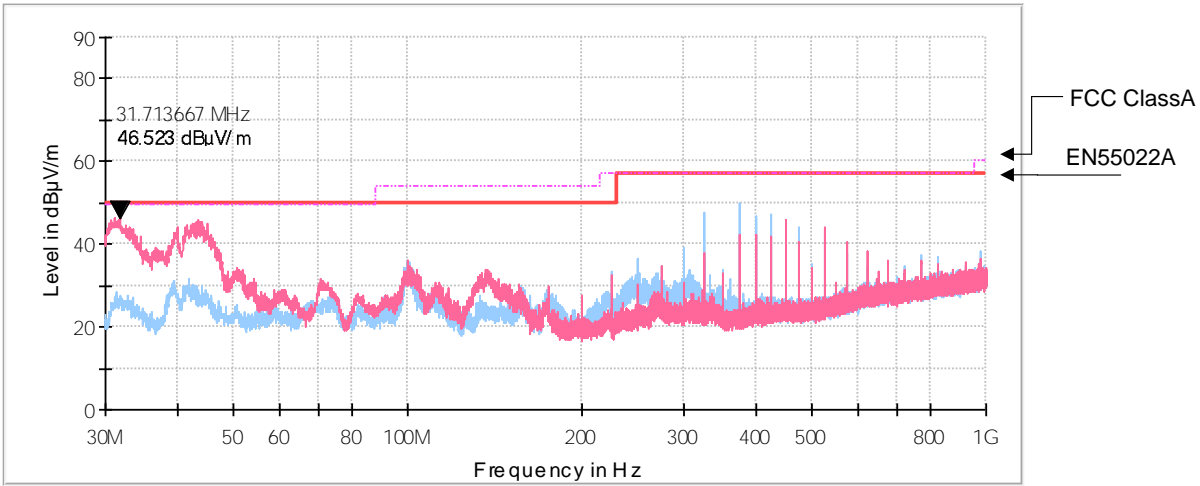


2. Test Data

2.2 Radiated Emission

MODEL: G10-100 1P200

Conditions: Vin: 1PHASE 230VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C



MODEL: G600-1.7 1P200

Conditions: Vin: 1PHASE 230VAC
 Iout: 100%
 Vout: 100%
 Ta: 25°C

