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資料名 :	EMI特性
Document	Electro-Magnetic Interference characteristics

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得意先名 :	
Customer	

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製品名 :	DC-DC CONVERTER
Product name	CC15-24**S**-E , CC30-24**S**-E SERIES

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1. 雑音端子電圧（帰還ノイズ） . . . . . P2～6  
 Conducted Emission Noise

【試験機種】 Test model

出力電力 Output Power	型名 Model
15W	CC15-2405S**-E
	CC15-2412S**-E

出力電力 Output Power	型名 Model
30W	CC30-2405S**-E
	CC30-2412S**-E

2. 雑音電界強度（輻射ノイズ） . . . . . P7～11  
 Radiated Emission

【試験機種】 Test model

出力電力 Output Power	型名 Model
15W	CC15-2405S**-E
	CC15-2412S**-E

出力電力 Output Power	型名 Model
30W	CC30-2405S**-E
	CC30-2412S**-E

※ 試験結果は代表データでありますが、全ての製品はほぼ同等な特性を示します。従いまして、以下の結果は実力値とお考え願います。

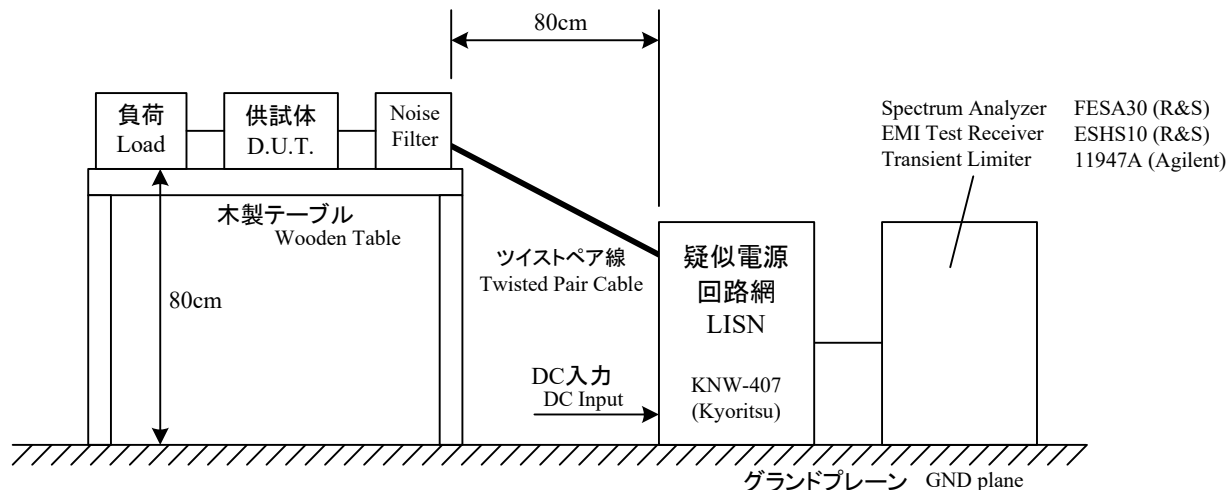
Test results are typical data. Nevertheless, the following results are considered to be actual capability data because all units have nearly the same characteristics.

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	DC-DC Converter CC15-24**S**-E , CC30-24**S**-E Series		
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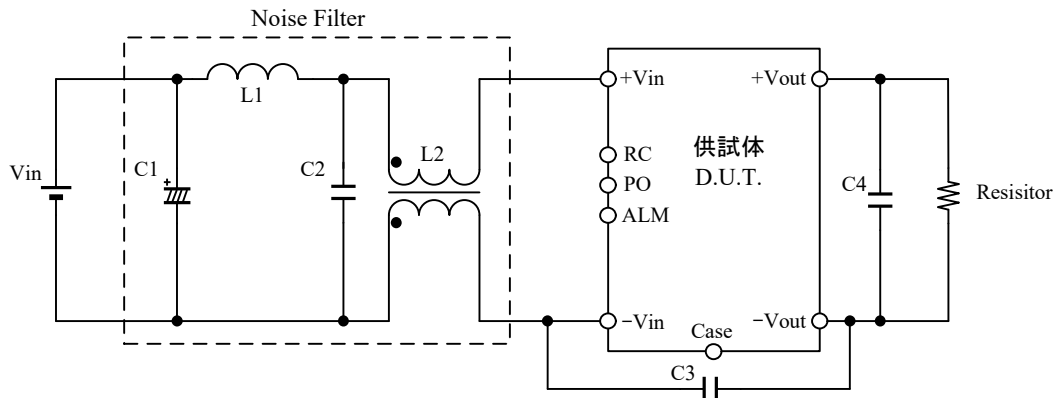
# 1. 雑音端子電圧(帰還ノイズ)

## Conducted Emission Noise

### 1-1. 試験条件 Test Conditions



### 1-2. 試験回路接続図 Test Circuit



型名 Model	L2	C1	C2	C3	C4
CC15-2405S**-E	ZJYS51R5-2P (TDK)	47 $\mu$ F	1 $\mu$ F	2200pF	22 $\mu$ F 16V
CC15-2412S**-E		50V		2kV	0.1 $\mu$ F 50V
CC30-2405S**-E		68 $\mu$ F	100V	4700pF	22 $\mu$ F 16V
CC30-2412S**-E		63V		2kV	0.1 $\mu$ F 50V

- L1 : インダクター  
C4-K1.8R 1R0 (MITSUMI)  
Inductor
- L2 : コモンモードチョークコイル  
Common mode choke coil
- C1 : 電解コンデンサ  
Electrolytic capacitor
- C2, C3, C4 : セラミックコンデンサ  
Ceramic Capacitor

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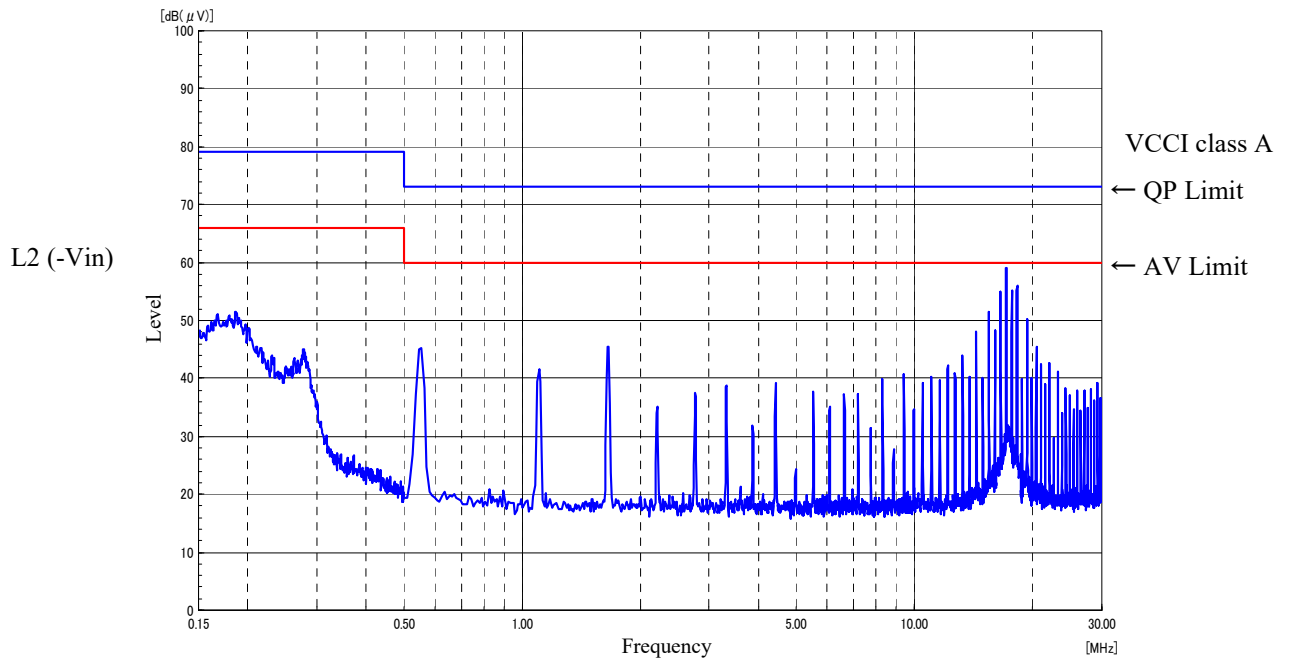
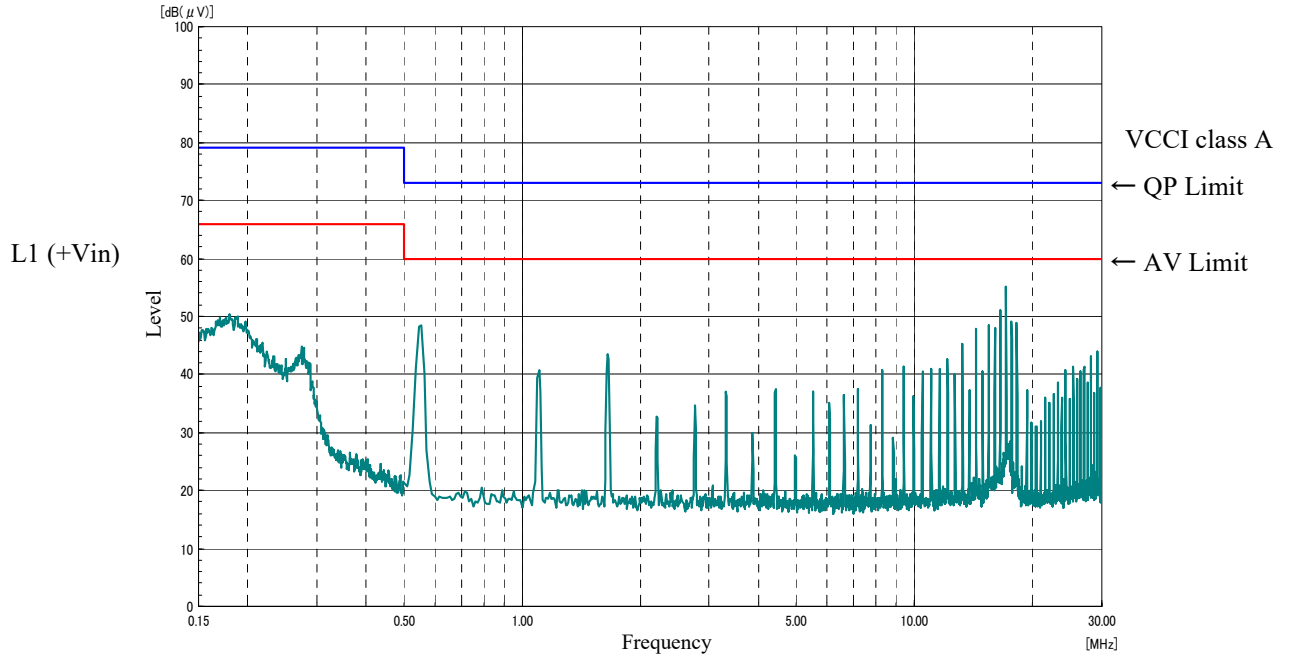
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### 1-3. 試験結果 Test Results

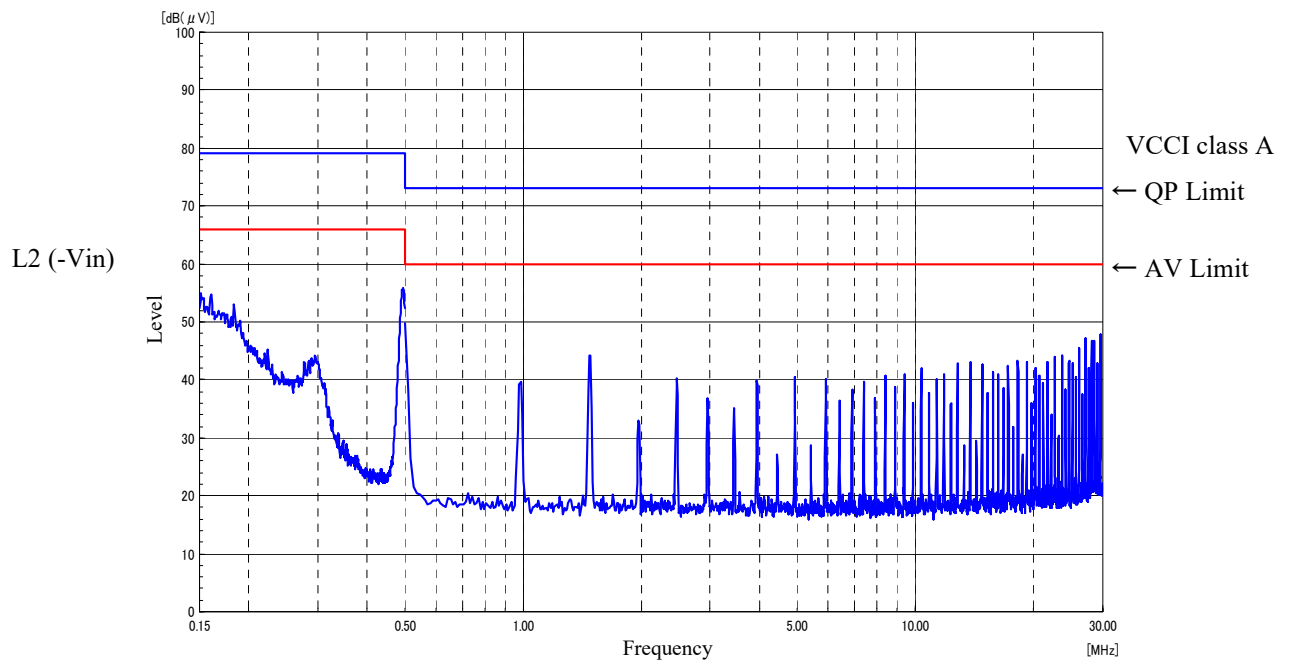
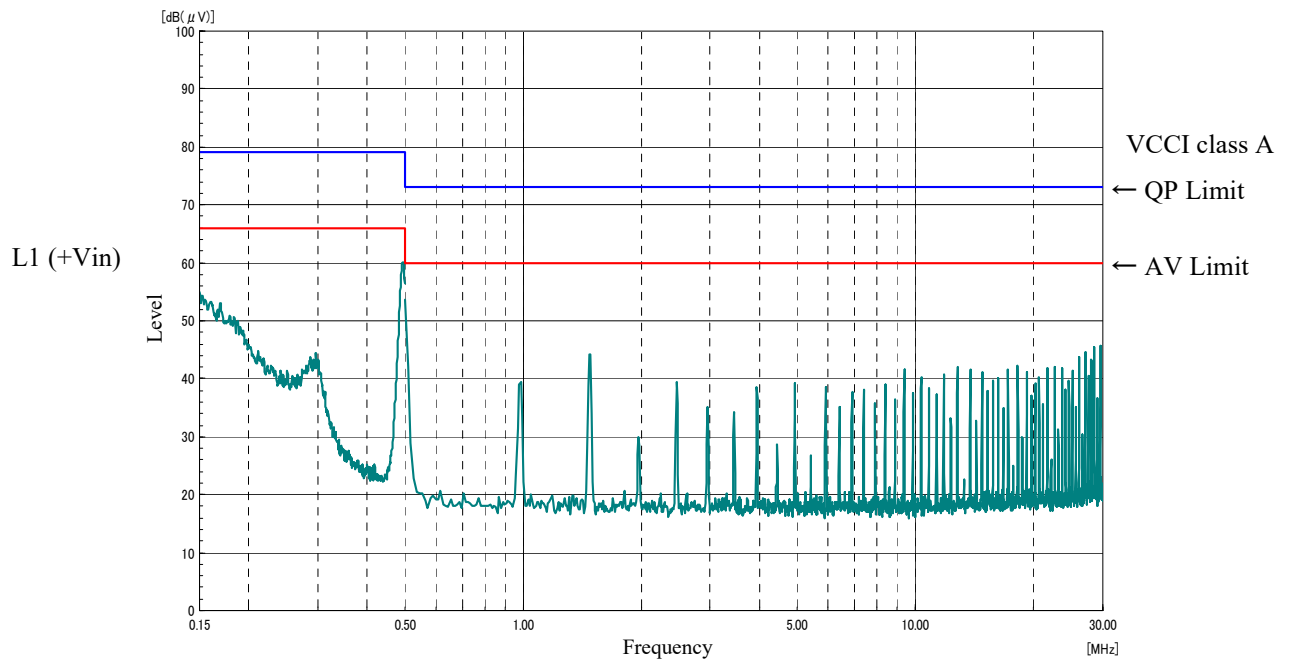
測定条件	Vin : Nominal Voltage	測定値 : ピーク
Conditions	Iout : 100%	Measured Value : peak
	Ta : 25°C	

#### (1) CC15-2405S\*\*-E



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(2) CC15-2412S\*\*-E



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DC-DC Converter CC15-24\*\*S\*\*-E , CC30-24\*\*S\*\*-E Series

TDK-Lambda CORPORATION

NAME OF DRAWING

DRAWING No.

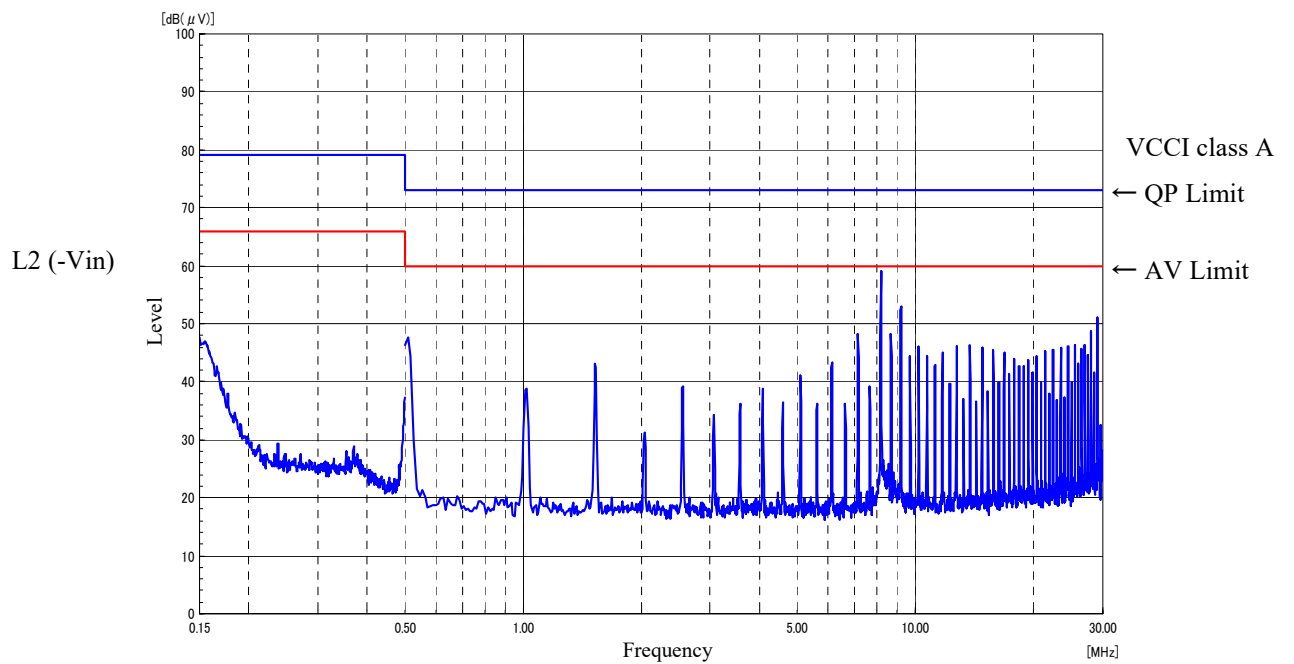
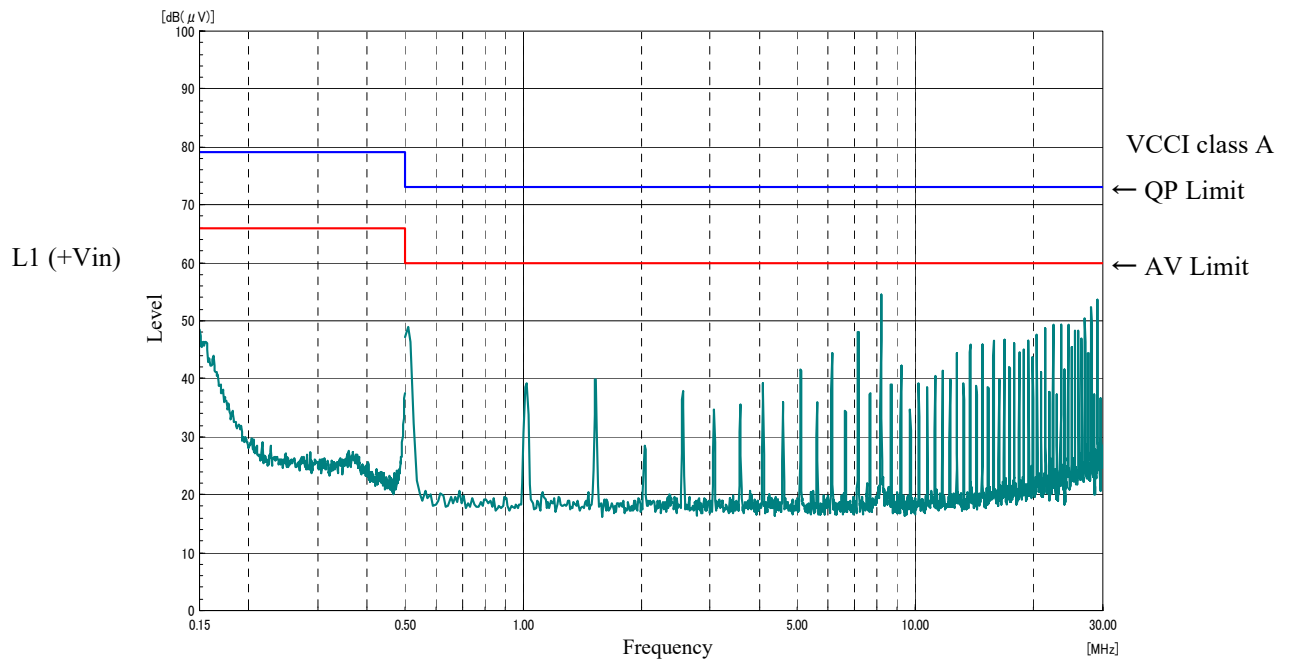
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(5) CC30-2405S\*\*-E



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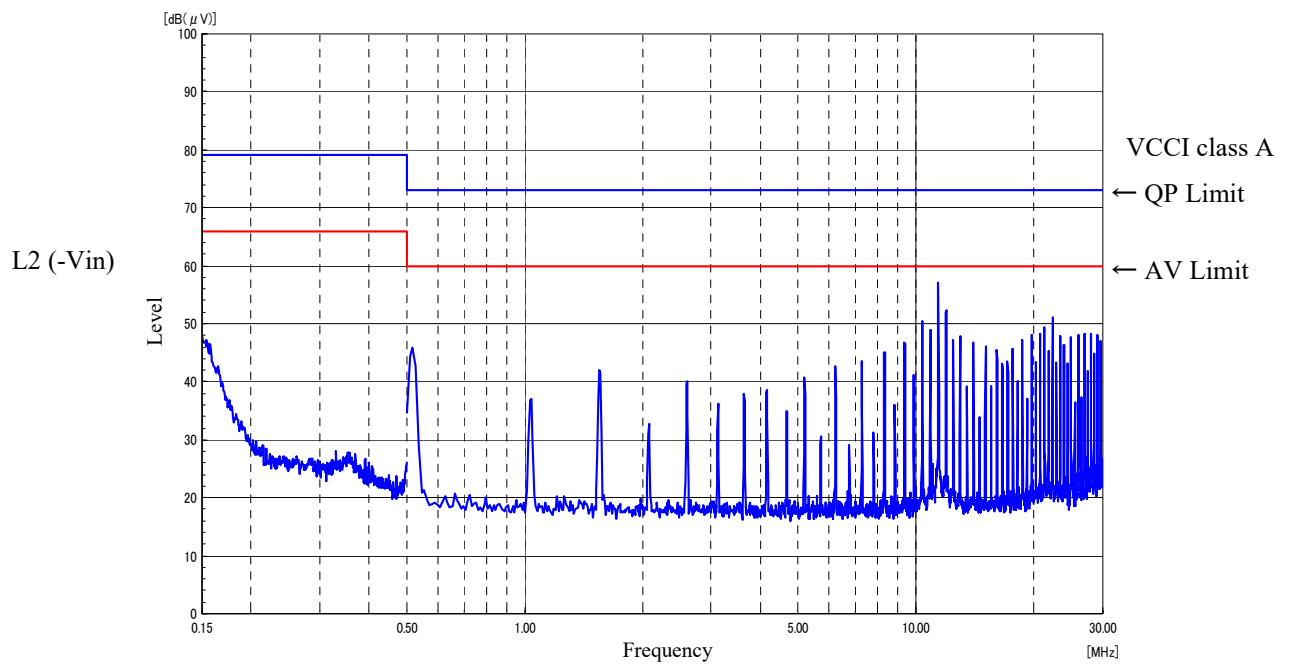
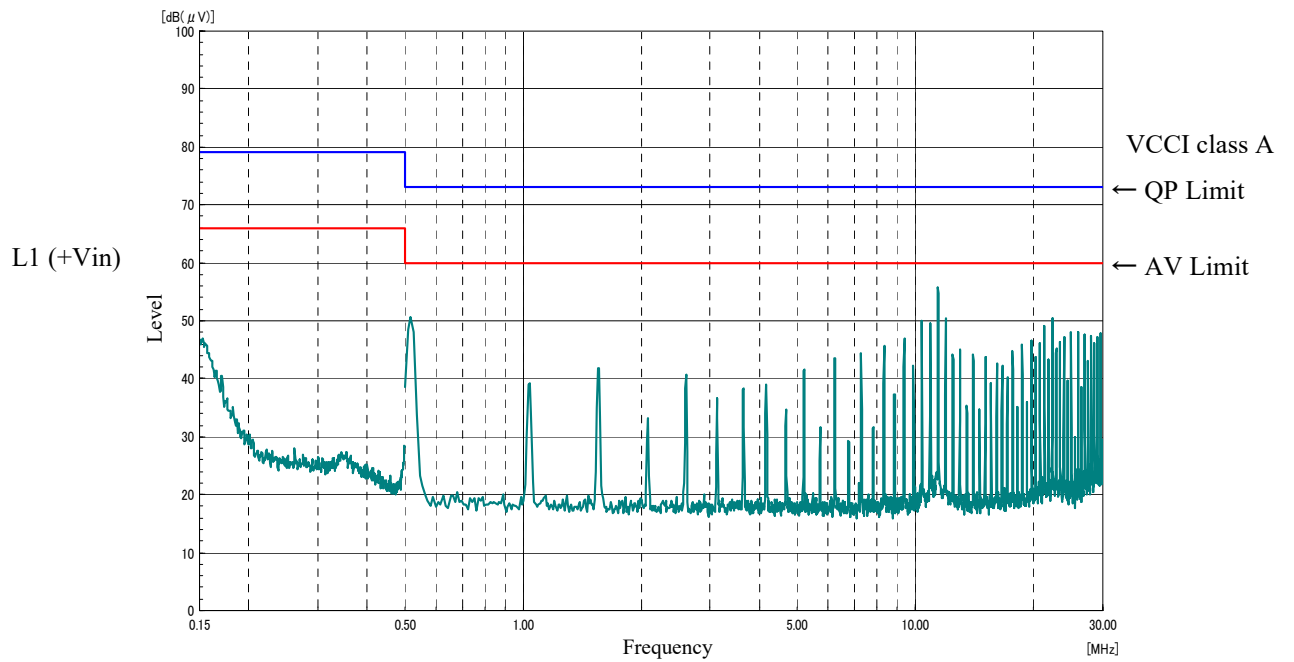
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(6) CC30-2412S\*\*-E



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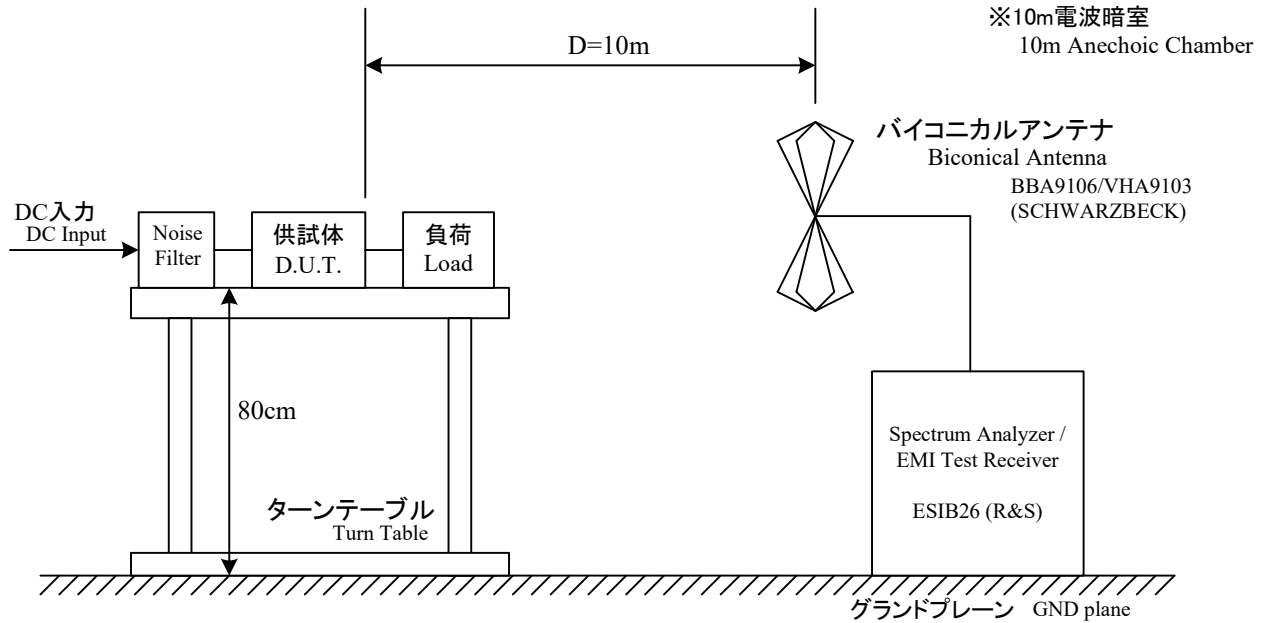
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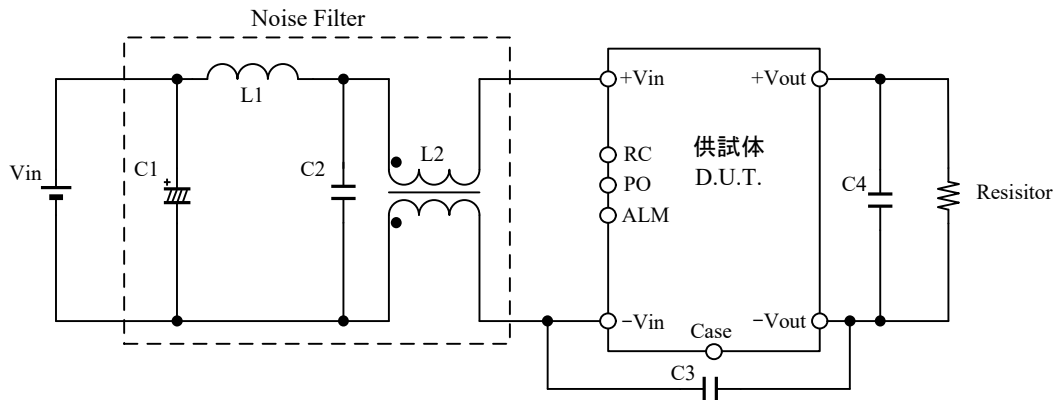
## 2. 雑音電界強度(輻射ノイズ)

### Radiated Emission Noise

#### 2-1. 試験条件 Test Conditions



#### 2-2. 試験回路接続図 Test Circuit



型名 Model	L2	C1	C2	C3	C4
CC15-2405S**-E	ZJYS51R5-2P (TDK)	47 $\mu$ F	1 $\mu$ F 100V	1000pF 2kV	22 $\mu$ F 16V
CC15-2412S**-E		50V		2200pF 2kV	0.1 $\mu$ F 50V
CC30-2405S**-E		68 $\mu$ F		1000pF 2kV	22 $\mu$ F 16V
CC30-2412S**-E		63V		2200pF 2kV	0.1 $\mu$ F 50V

- L1 : インダクター  
C4-K1.8R 1R0 (MITSUMI)  
Inductor
- L2 : コモンモードチョークコイル  
Common mode choke coil
- C1 : 電解コンデンサ  
Electrolytic capacitor
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Ceramic Capacitor

PRODUCT NAME or MODEL,TITLE

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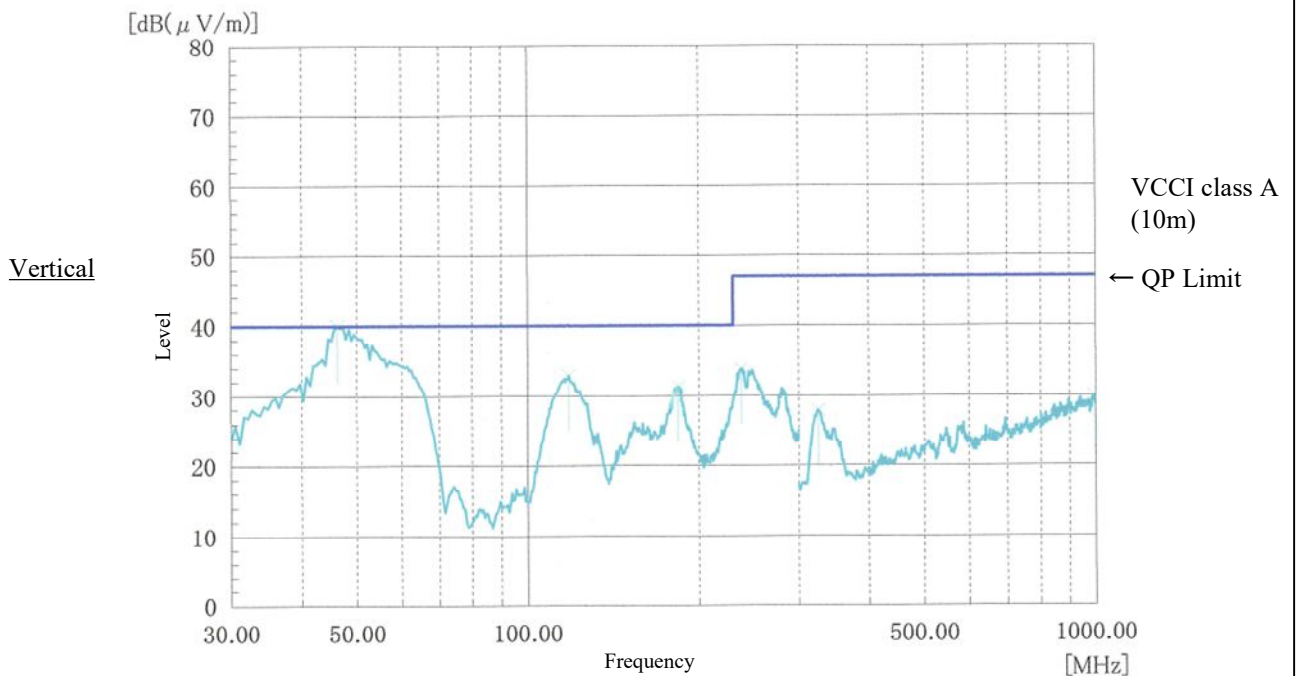
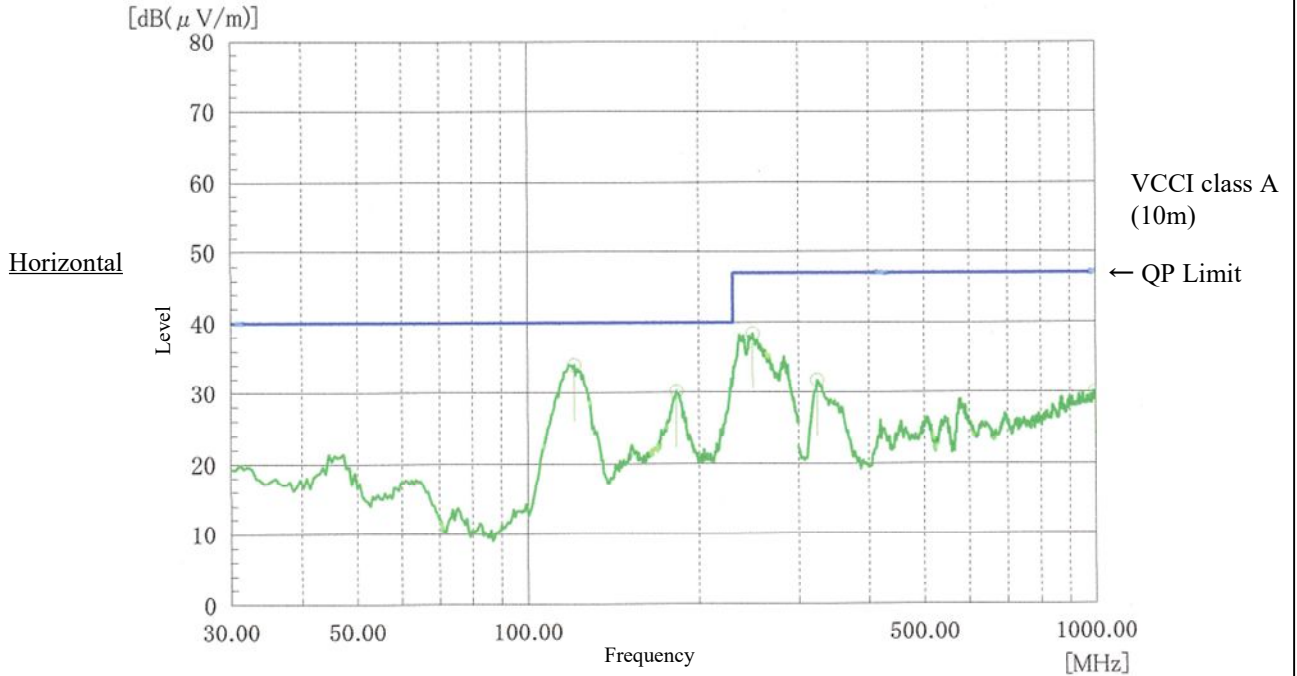
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## 2-3. 試験結果 Test Results

測定条件 Vin : Nominal Voltage  
Conditions Iout : 100%  
Ta : 25°C

### (1) CC15-2405S\*\*-E



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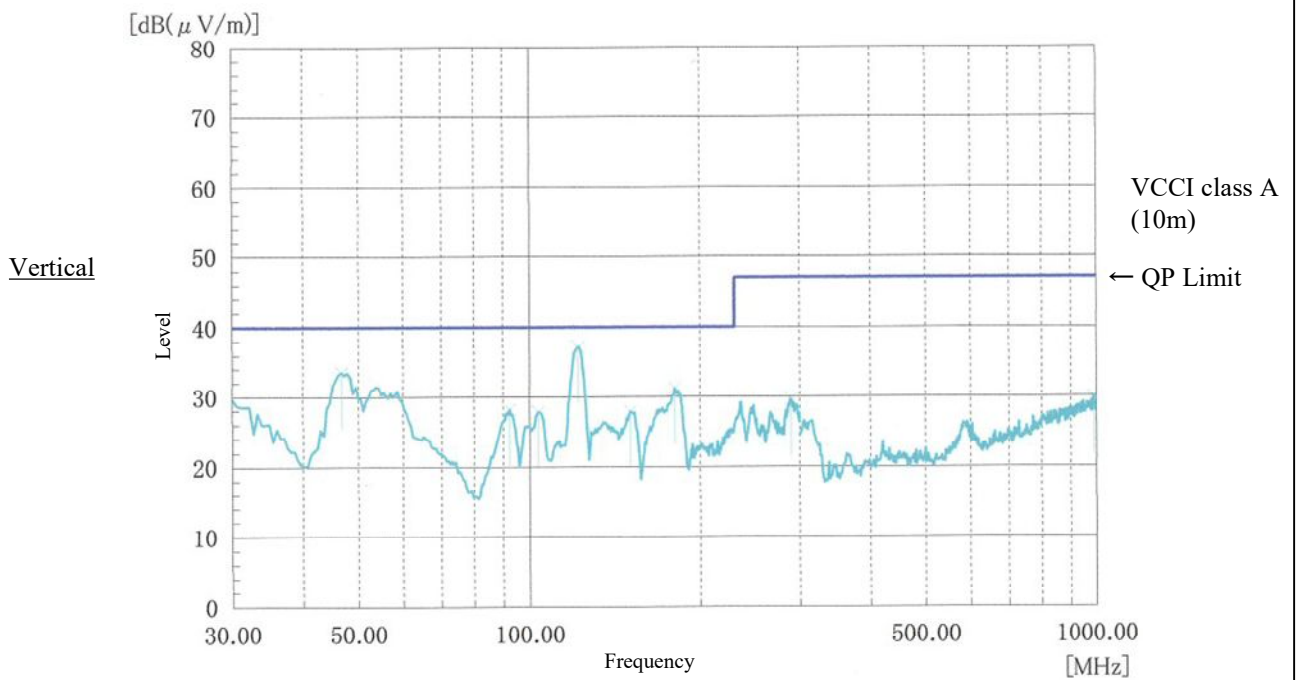
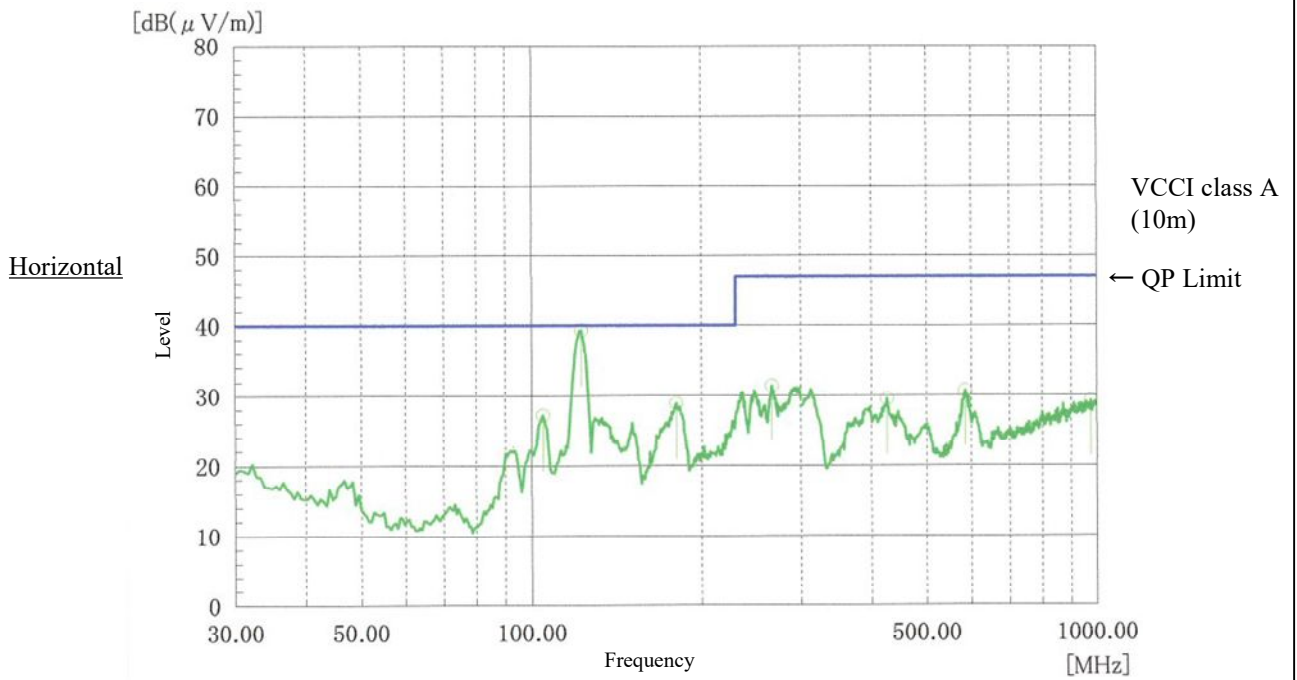
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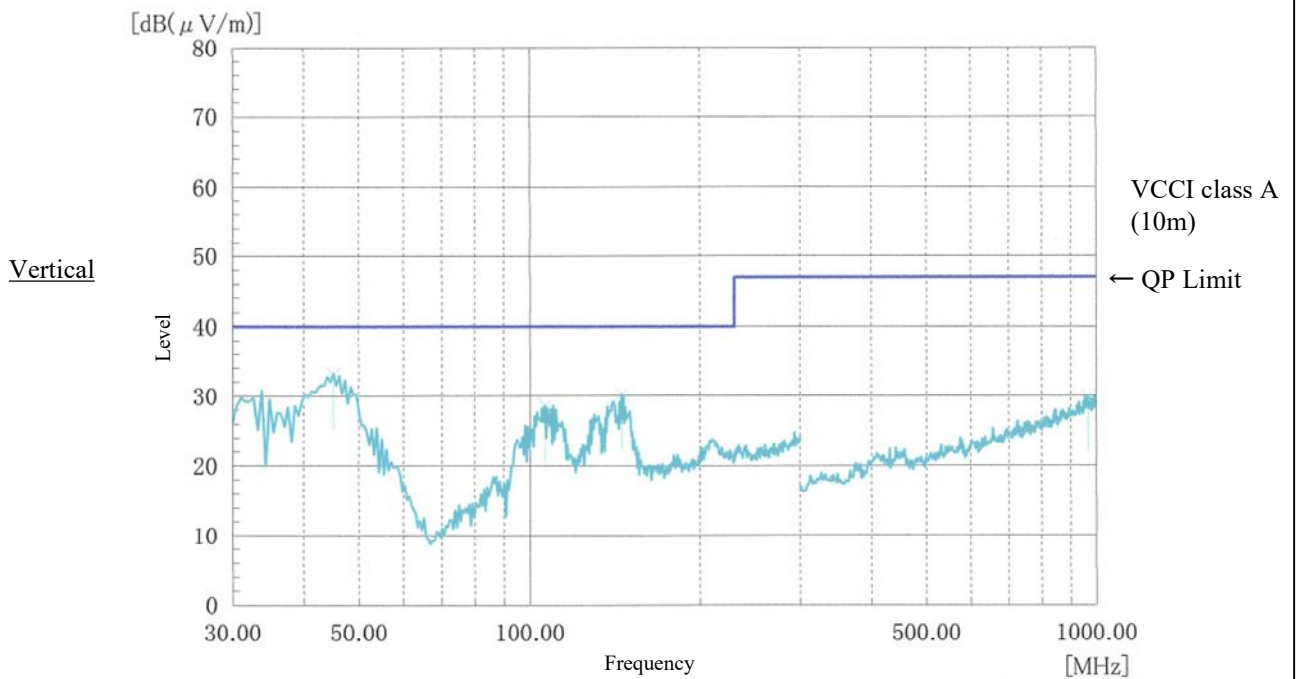
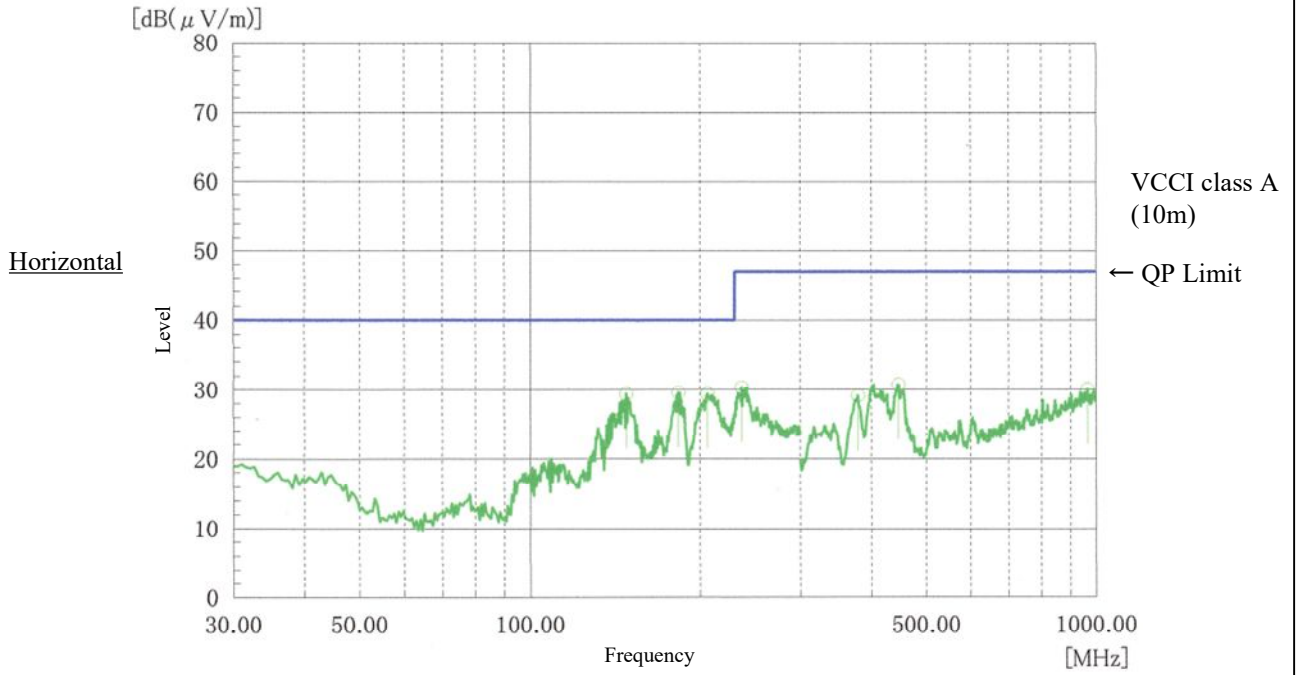
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(2) CC15-2412S\*\*-E



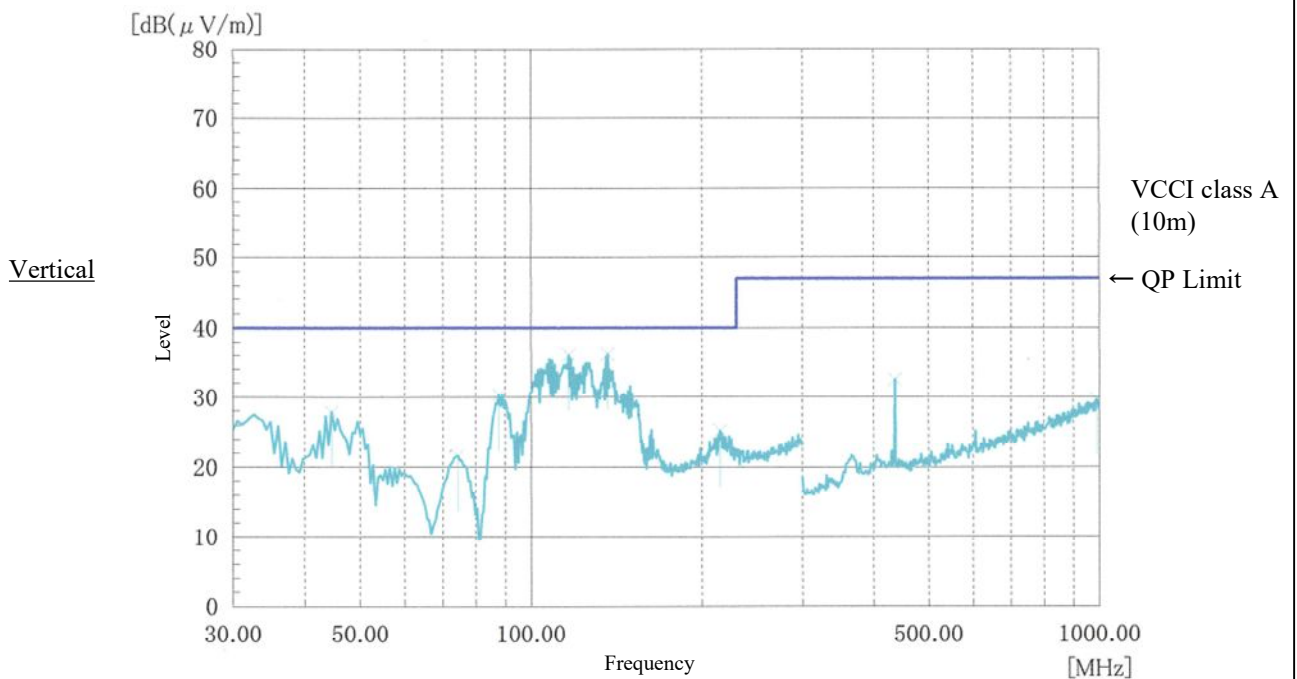
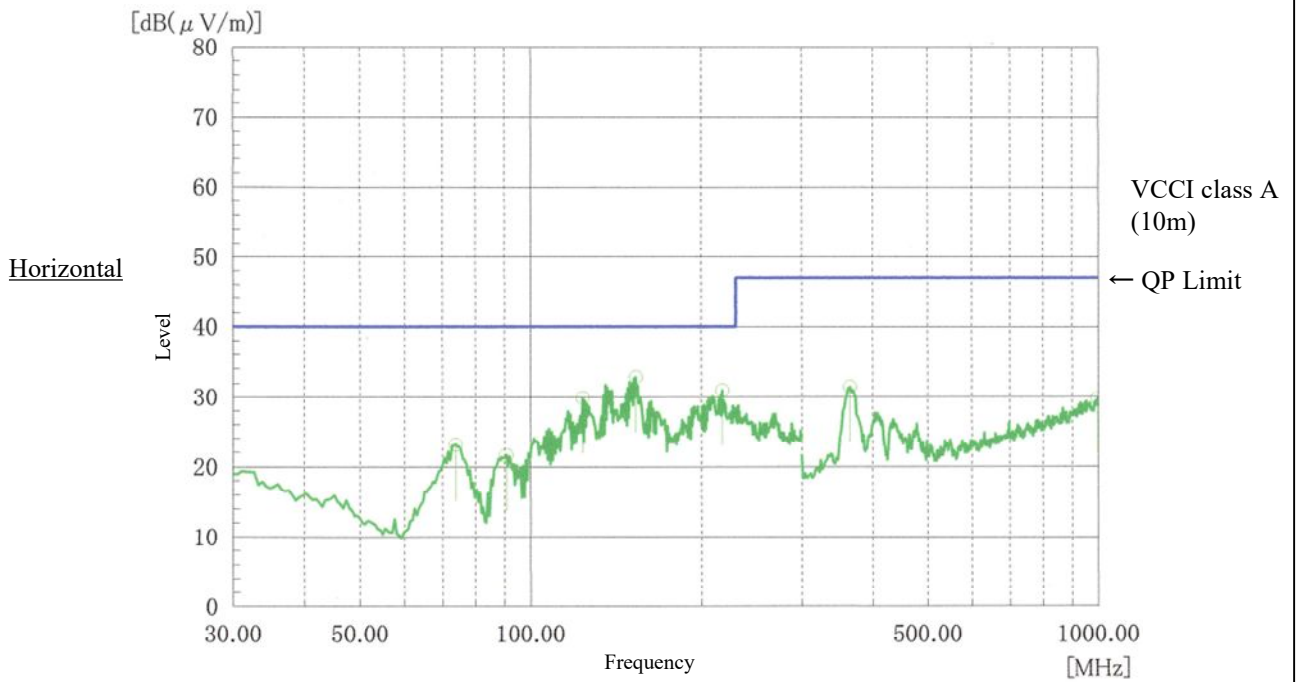
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(5) CC30-2405S\*\*-E



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(6) CC30-2412S\*\*-E



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