



DATA SHEET

Date 24-Aug-26

Model MUS302412

Temp. 25 degreeC

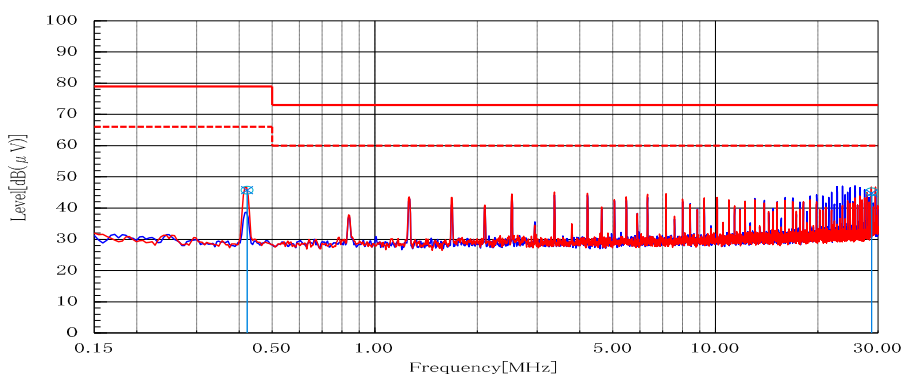
Test EMI
Line conduction & Radiated emission

Humid. 45 %RH

Tested by S.Kawaguchi

COSEL CO.,LTD.
EMC Site E

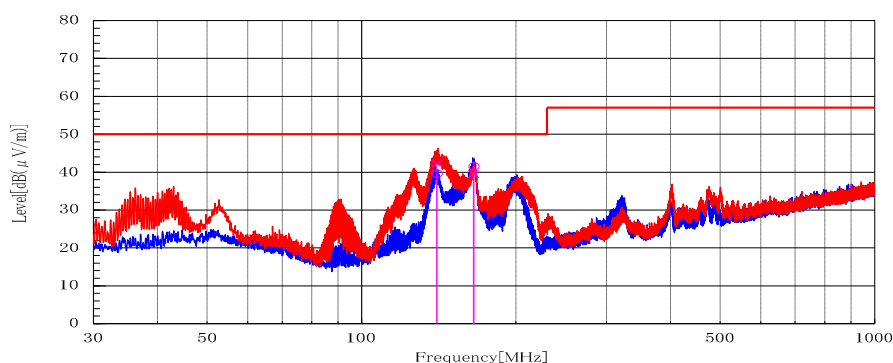
<<LINE CONDUCTION>>

21 August,2026 13:53
MUS302412.epxcedataModel : MUS302412
Serial No. :
Tested by : S.Kawaguchi
Power Supply : DC 24V
Temp/Humid : 25°C/45%Limit : EN55032 Class A
LISN :>NNLK 8121
Comment1 :
Comment2 :
Comment3 :

Frequency MHz	Line	Level dB(μV)		Limit dB(μV)		Margin dB(μV)		Pass/Fail	Remark
		QP	AV	QP	AV	QP	AV		
0.422	L1	45.7	45.7	79	66	33.3	20.3	Pass	
28.714	L1	45.3	44.8	73	60	27.7	15.2	Pass	

COSEL CO.,LTD.
EMC Site E

<<RADIATED EMISSION>>

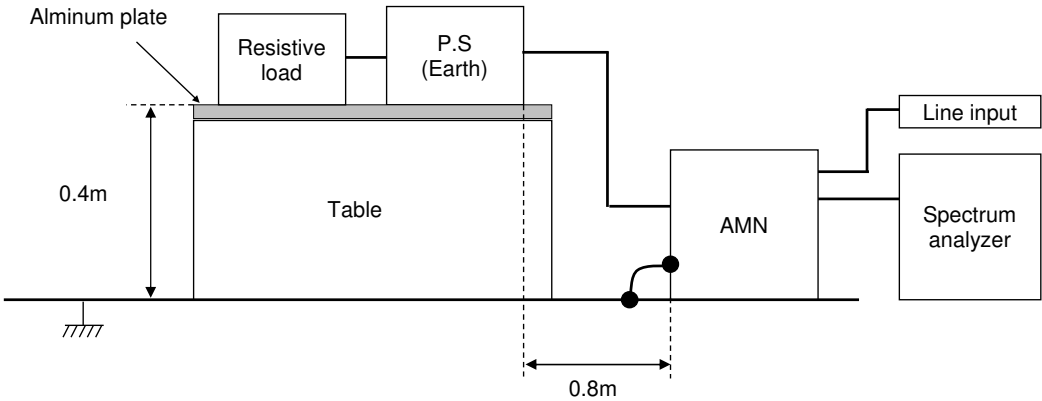
21 August,2026 16:16
MUS302412.epxredataModel : MUS302412
Serial No. :
Tested by : S.Kawaguchi
Power Supply : DC 24V
Temp/Humid. : 25°C/45%Limit : EN55032 ClassA 3m
Comment1 :
Comment2 :
Comment3 :
Comment4 :

Frequency MHz	Polarization	Stability	Level dB(μV/m)		Limit dB(μV/m)		Pass/Fail	Height cm	Angle deg	Remark
			QP	AV	QP	AV				
140.265	H	Stable	39.6		50	10.4	Pass	200	86.2	
165.654	H	Stable	41.5		50	8.5	Pass	186.2	83.7	
140.27	V	Stable	42.2		50	7.8	Pass	100.1	0	
165.21	V	Stable	39.5		50	10.5	Pass	100.2	162.4	

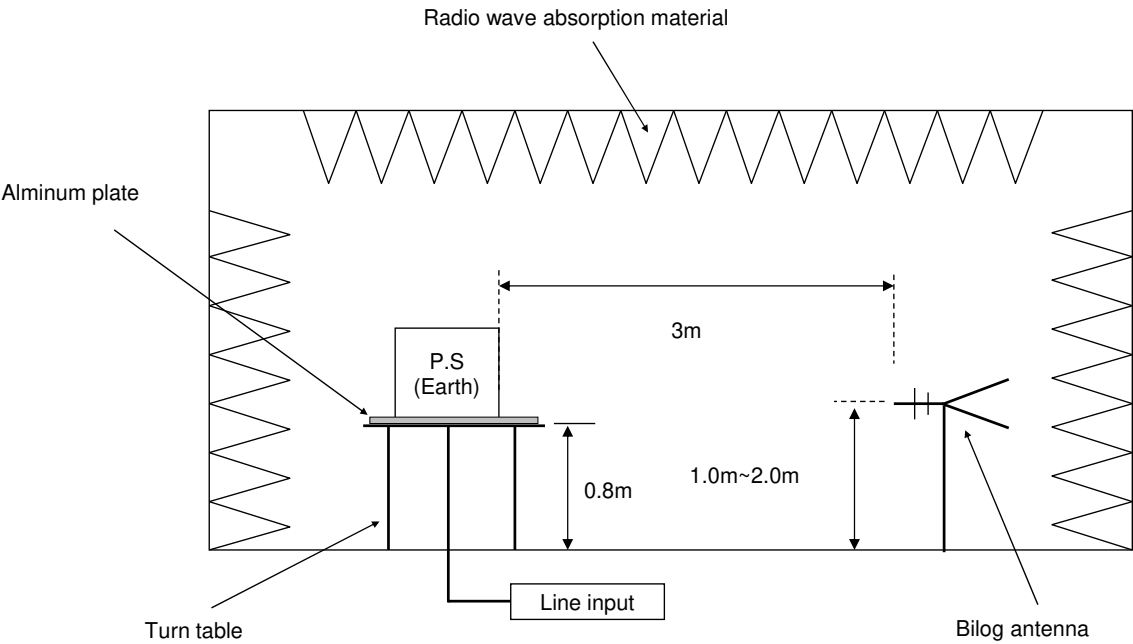


DATA SHEET		Date	24-Aug-26
Model	MUS302412	Temp.	25 degreeC
Test	EMI	Humid.	45 %RH
	Line conduction & Radiated emission	Tested by	S.Kawaguchi

1. Line conduction



2. Radiated emission



Conditions

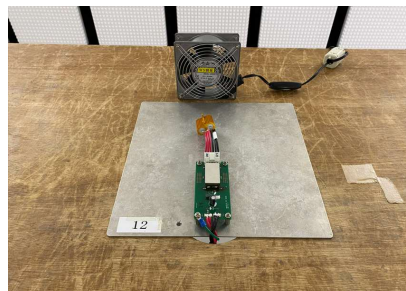
Test : EMI
Model Name : MUS30□□

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

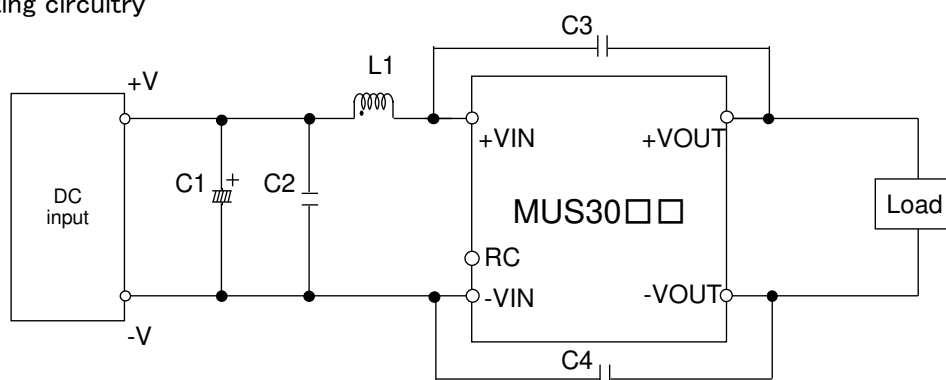


Fig.1 MUS30□□ Testing circuitry

C1:	MUS3024□	50V 47 μ F Electric capacitor (UPWseries NICHICON)
	MUS3048□	100V 100 μ F Electric capacitor (UPWseries NICHICON)
C2:	MUS3024□	50V 4.7 μ F Ceramic capacitor (GRM31CR71H475K MURATA MANUFACTURING)
	MUS3048□	100V 2.2 μ F Ceramic capacitor (C3216X7S2A225KT TDK)
C3:	MUS30□□	2000V 1000pF Ceramic capacitor (C3225X7S3D102K200AA TDK)
C4:	MUS30□□	2000V 1000pF Ceramic capacitor (C3225X7S3D102K200AA TDK)
L1:	MUS3024□	1600mA 22 μ H Inductor(LQH5BPN220M38 MURATA MANUFACTURING)
	MUS3048□	1100mA 47 μ H Inductor(LQH5BPN470M38 MURATA MANUFACTURING)