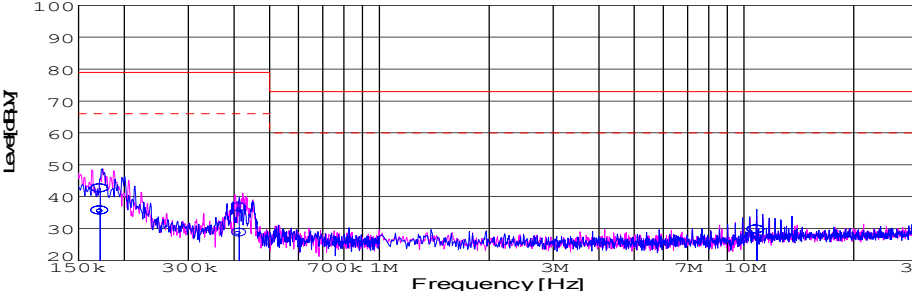
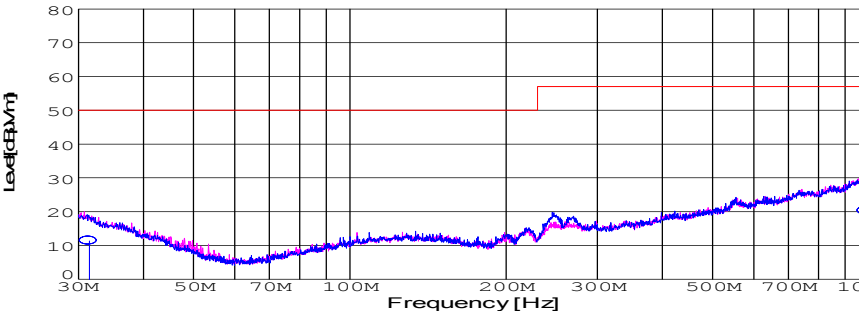


DATA SHEET							Date	13-May-05																																														
Model	SUCS31212						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	T.Ohara																																														
LINE CONDUCTION																																																						
Model Name : SUCS31212			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2005/5/13 13:18																																																			
Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP/Ave.			Load Line : 10mm																																																			
Line Mode : VA			Comment : T.Ohara																																																			
Power Supply : DC 12V																																																						
Limit1: [EN 55022] Class A(QP)																																																						
Limit2: [EN 55022] Class A(Ave.)																																																						
							Limit1(QP)		Limit2(Ave.)		VA(PEAK)		VB(PEAK)		VA(QP)		VA(Ave.)																																					
							DC 12V		12V0.25A																																													
<table><tr><th>Frequency [MHz]</th><th>Meter Reading (Ave.) [dBuV]</th><th>Meter Reading (QP) [dBuV]</th><th>Factor [dB]</th><th>Level(Ave.) [dBuV]</th><th>Level(QP) [dBuV]</th><th>Line</th><th>Limit(Ave.) [dBuV]</th><th>Limit(QP) [dBuV]</th><th>Margin(Ave.) [dB]</th><th>Margin(QP) [dB]</th></tr><tr><td>0.1717</td><td>25.7</td><td>32.8</td><td>9.8</td><td>35.5</td><td>42.6</td><td>VA</td><td>66</td><td>79</td><td>30.5</td><td>36.4</td></tr><tr><td>0.4132</td><td>18.6</td><td>26.9</td><td>9.9</td><td>28.5</td><td>36.8</td><td>VA</td><td>66</td><td>79</td><td>37.5</td><td>42.2</td></tr><tr><td>10.8524</td><td>9.9</td><td>19.4</td><td>10.1</td><td>20</td><td>29.5</td><td>VA</td><td>60</td><td>73</td><td>40</td><td>43.5</td></tr></table>											Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]	0.1717	25.7	32.8	9.8	35.5	42.6	VA	66	79	30.5	36.4	0.4132	18.6	26.9	9.9	28.5	36.8	VA	66	79	37.5	42.2	10.8524	9.9	19.4	10.1	20	29.5	VA	60	73	40	43.5
Frequency [MHz]	Meter Reading (Ave.) [dBuV]	Meter Reading (QP) [dBuV]	Factor [dB]	Level(Ave.) [dBuV]	Level(QP) [dBuV]	Line	Limit(Ave.) [dBuV]	Limit(QP) [dBuV]	Margin(Ave.) [dB]	Margin(QP) [dB]																																												
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0.4132	18.6	26.9	9.9	28.5	36.8	VA	66	79	37.5	42.2																																												
10.8524	9.9	19.4	10.1	20	29.5	VA	60	73	40	43.5																																												
RADIATED EMISSION																																																						
Model Name : SUCS31212			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2005/5/13 13:29																																																			
Points : 2			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP			Load Line : 10mm																																																			
Polarization : Horizontal			Comment :																																																			
Power Supply : DC 12V																																																						
Limit: [EN 55022] Class A<3m>																																																						
							Limit(QP)		Horizontal(PEAK)		Vertical(PEAK)		Horizontal(QP)																																									
							DC 12V		12V0.25A																																													
<table><tr><th>Frequency [MHz]</th><th>MeterReading (QP) [dBuV]</th><th>Ant. Type</th><th>Antenna Factor [dB/m]</th><th>Cable & Preamp [dB]</th><th>Level(QP) [dBuV/m]</th><th>Angle [°]</th><th>Height [cm]</th><th>Polar.</th><th>Limit [dBuV/m]</th><th>Margin [dB]</th></tr><tr><td>990.71</td><td>24</td><td>BL</td><td>25.4</td><td>-29.3</td><td>20.1</td><td>176</td><td>115</td><td>Hori.</td><td>57</td><td>36.9</td></tr><tr><td>31.497</td><td>26</td><td>BL</td><td>17.5</td><td>-32.2</td><td>11.3</td><td>74</td><td>112</td><td>Hori.</td><td>50</td><td>38.7</td></tr></table>											Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]	990.71	24	BL	25.4	-29.3	20.1	176	115	Hori.	57	36.9	31.497	26	BL	17.5	-32.2	11.3	74	112	Hori.	50	38.7											
Frequency [MHz]	MeterReading (QP) [dBuV]	Ant. Type	Antenna Factor [dB/m]	Cable & Preamp [dB]	Level(QP) [dBuV/m]	Angle [°]	Height [cm]	Polar.	Limit [dBuV/m]	Margin [dB]																																												
990.71	24	BL	25.4	-29.3	20.1	176	115	Hori.	57	36.9																																												
31.497	26	BL	17.5	-32.2	11.3	74	112	Hori.	50	38.7																																												

COSEL

Conditions

Test : EMI
Model Name : SUCS/SUCW 312

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

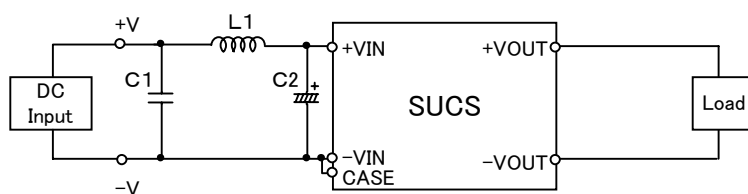


Fig.1 Testing circuitry 1

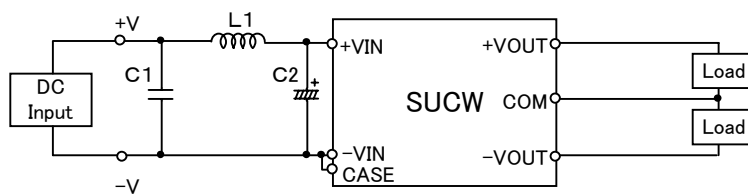


Fig.2 Testing circuitry 2

L1 :	4.7 μ H	CY3H-4R7	(KORIN ELECTRONICS)
C1 :	25V 1 μ F	C2012JB1E105K	(TDK)
C2 :	25V 100 μ F	UPW1E101M	(NICHICON)