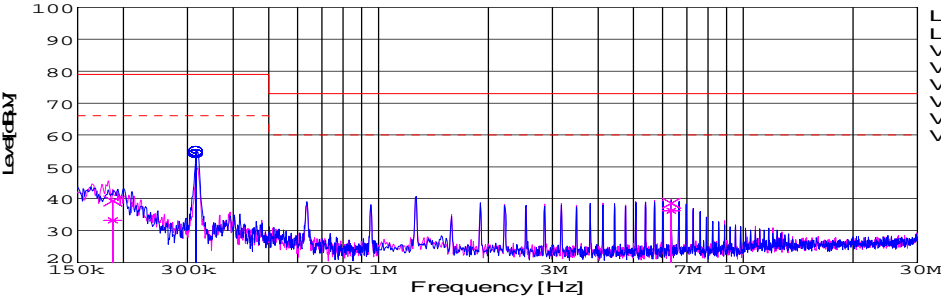
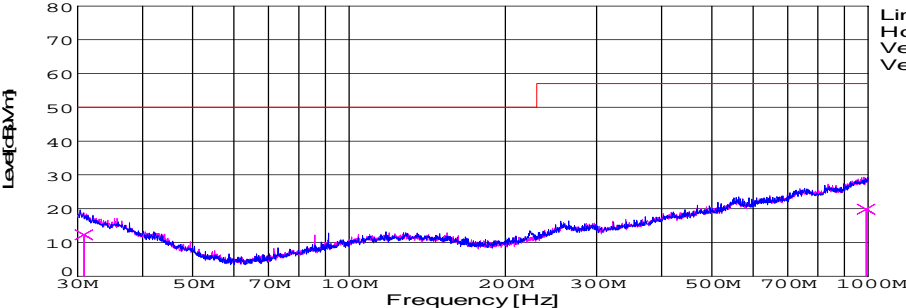
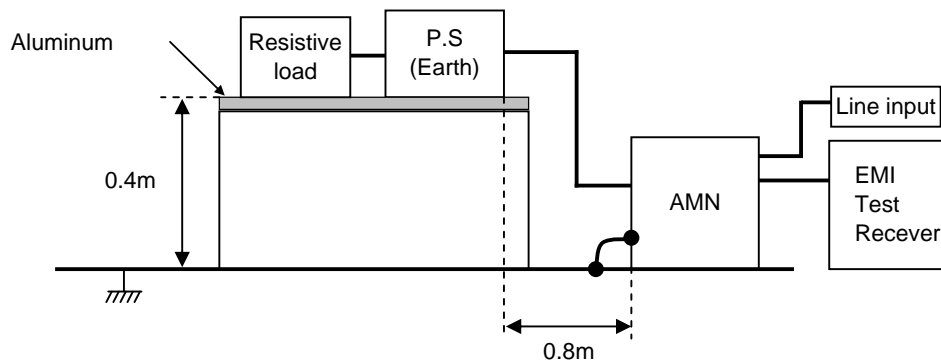


DATA SHEET							Date	06-Feb-09																																														
Model	SUTS34812						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	D.Joboji																																														
LINE CONDUCTION																																																						
Model Name : SUTS34812			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/6 14:29																																																			
Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP/Ave.			Load Line : 10mm																																																			
Line Mode : VA/VB			Comment :																																																			
Power Supply : DC 48V																																																						
Limit1: [EN 55022] Class A(QP)																																																						
Limit2: [EN 55022] Class A(Ave.)																																																						
																																																						
							DC 48V																																															
<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>0.3166</td><td>44.9</td><td>44.3</td><td>9.8</td><td>54.7</td><td>54.1</td><td>VA</td><td>66</td><td>79</td><td>11.3</td><td>24.9</td></tr><tr><td>0.187</td><td>23.4</td><td>29.5</td><td>9.8</td><td>33.2</td><td>39.3</td><td>VB</td><td>66</td><td>79</td><td>32.8</td><td>39.7</td></tr><tr><td>6.3458</td><td>26.2</td><td>28.6</td><td>10</td><td>36.2</td><td>38.6</td><td>VB</td><td>60</td><td>73</td><td>23.8</td><td>34.4</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]	0.3166	44.9	44.3	9.8	54.7	54.1	VA	66	79	11.3	24.9	0.187	23.4	29.5	9.8	33.2	39.3	VB	66	79	32.8	39.7	6.3458	26.2	28.6	10	36.2	38.6	VB	60	73	23.8	34.4
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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6.3458	26.2	28.6	10	36.2	38.6	VB	60	73	23.8	34.4																																												
RADIATED EMISSION																																																						
Model Name : SUTS34812			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/6 14:39																																																			
Points : 2			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP			Load Line : 10mm																																																			
Polarization : Vertical			Comment :																																																			
Power Supply : DC 48V																																																						
Limit: [EN 55022] Class A<3m>																																																						
																																																						
							DC 48V																																															
<table><tr><th>Frequency [MHz]</th><th>MeterReading (QP) [dBuV]</th><th>Ant. Type</th><th>Antenna Factor [dB/m]</th><th>Cable &amp; 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>990.558</td><td>23.8</td><td>BL</td><td>25.4</td><td>-29.3</td><td>19.9</td><td>93</td><td>148</td><td>Vert.</td><td>57</td><td>37.1</td></tr><tr><td>30.848</td><td>26.8</td><td>BL</td><td>17.8</td><td>-32.3</td><td>12.3</td><td>196</td><td>127</td><td>Vert.</td><td>50</td><td>37.7</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]	990.558	23.8	BL	25.4	-29.3	19.9	93	148	Vert.	57	37.1	30.848	26.8	BL	17.8	-32.3	12.3	196	127	Vert.	50	37.7											
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]																																												
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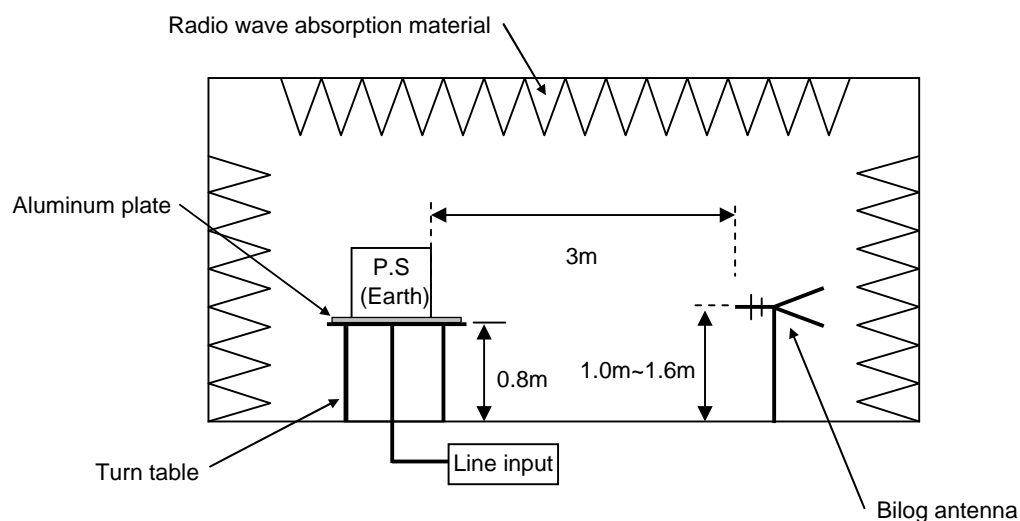
## DATA SHEET

Model	Circuit used for measurement
Test	EMI Line conduction & Radiated emission

### 1. Line conduction



### 2. Radiated emission



# COSEL

## Conditions

Test : EMI  
Model Name : SUTS/SUTW 348□□

○Photographs of Test Set-Up

### LINE CONDUCTION



### RADIATED EMISSION



○Testing circuitry

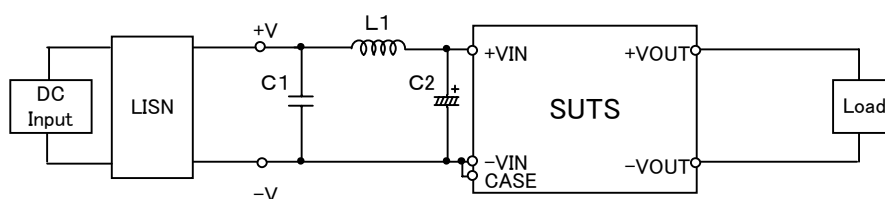


Fig.1 Testing circuitry 1

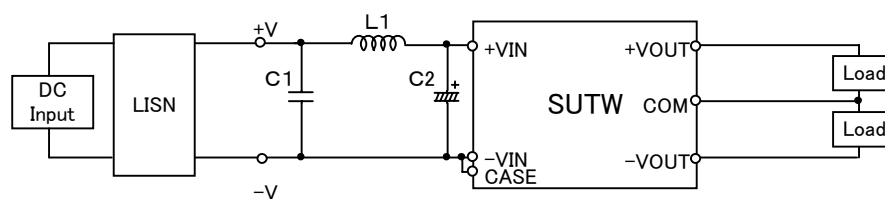


Fig.2 Testing circuitry 2

L1 :	10 $\mu$ H	CY3H-100	(KORIN ELECTRONICS)
C1 :	100V 0.47 $\mu$ F	C3216JB2A474K	(TDK)
C2 :	100V 22 $\mu$ F	UPW2A220M	(NICHICON)