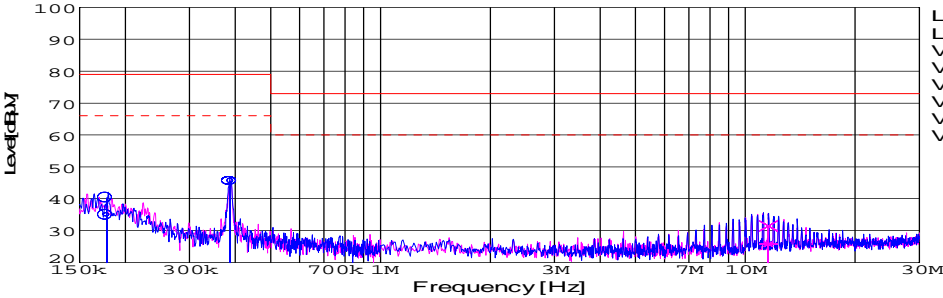
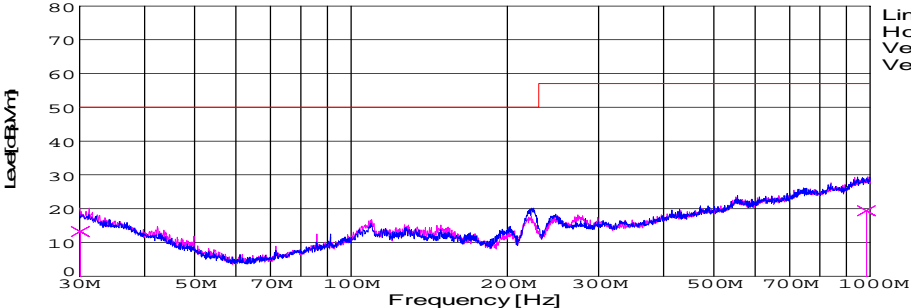


DATA SHEET							Date	05-Feb-09																																														
Model	SUTS31212						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	D.Joboji																																														
LINE CONDUCTION																																																						
Model Name : SUTS31212			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/5 15:59																																																			
Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP/Ave.			Load Line : 10mm																																																			
Line Mode : VA/VB			Comment :																																																			
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.) VB(QP) VB(Ave.) DC 12V																																															
<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>0.1778</td><td>25</td><td>30.5</td><td>9.8</td><td>34.8</td><td>40.3</td><td>VA</td><td>66</td><td>79</td><td>31.2</td><td>38.7</td></tr><tr><td>0.3874</td><td>35.6</td><td>35.6</td><td>9.9</td><td>45.5</td><td>45.5</td><td>VA</td><td>66</td><td>79</td><td>20.5</td><td>33.5</td></tr><tr><td>11.5692</td><td>15.7</td><td>21.4</td><td>10.1</td><td>25.8</td><td>31.5</td><td>VB</td><td>60</td><td>73</td><td>34.2</td><td>41.5</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]	0.1778	25	30.5	9.8	34.8	40.3	VA	66	79	31.2	38.7	0.3874	35.6	35.6	9.9	45.5	45.5	VA	66	79	20.5	33.5	11.5692	15.7	21.4	10.1	25.8	31.5	VB	60	73	34.2	41.5
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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RADIATED EMISSION																																																						
Model Name : SUTS31212			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/5 16:10																																																			
Points : 2			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP			Load Line : 10mm																																																			
Polarization : Vertical			Comment :																																																			
Power Supply : DC 12V																																																						
Limit: [EN 55022] Class A<3m>																																																						
							Limit(QP) Horizontal(PEAK) Vertical(PEAK) Vertical(QP) DC 12V																																															
<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>983.802</td><td>23.4</td><td>BL</td><td>25.3</td><td>-29.3</td><td>19.4</td><td>280</td><td>100</td><td>Vert.</td><td>57</td><td>37.6</td></tr><tr><td>30.084</td><td>27.3</td><td>BL</td><td>18.2</td><td>-32.3</td><td>13.2</td><td>198</td><td>157</td><td>Vert.</td><td>50</td><td>36.8</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]	983.802	23.4	BL	25.3	-29.3	19.4	280	100	Vert.	57	37.6	30.084	27.3	BL	18.2	-32.3	13.2	198	157	Vert.	50	36.8											
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





Conditions

Test : EMI
Model Name : SUTS/SUTW 312□□

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

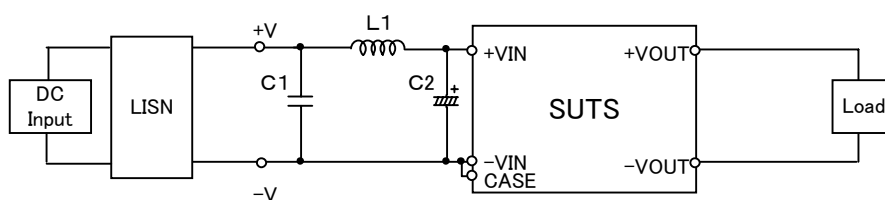


Fig.1 Testing circuitry 1

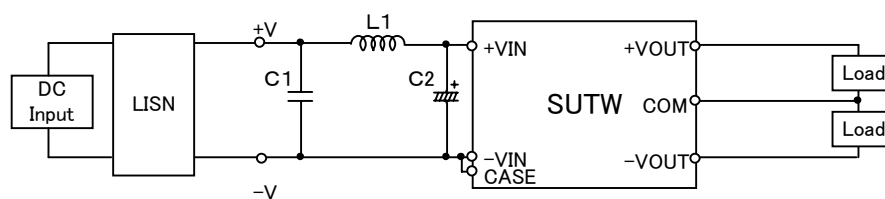


Fig.2 Testing circuitry 2

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