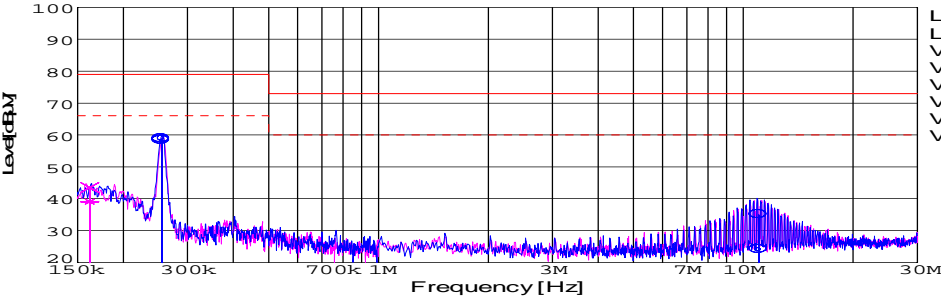
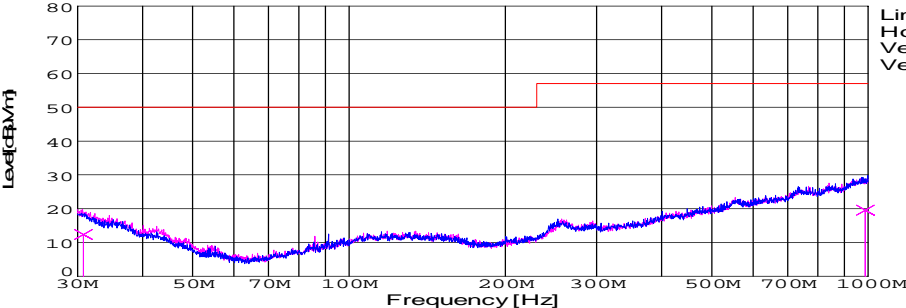


DATA SHEET							Date	05-Feb-09																																														
Model	SUTS31205						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	D.Joboji																																														
LINE CONDUCTION																																																						
Model Name : SUTS31205			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/5 17:16																																																			
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>0.2552</td><td>49.1</td><td>48.6</td><td>9.8</td><td>58.9</td><td>58.4</td><td>VA</td><td>66</td><td>79</td><td>7.1</td><td>20.6</td></tr><tr><td>11.034</td><td>13.9</td><td>24.9</td><td>10.1</td><td>24</td><td>35</td><td>VA</td><td>60</td><td>73</td><td>36</td><td>38</td></tr><tr><td>0.1618</td><td>29.3</td><td>33.7</td><td>9.8</td><td>39.1</td><td>43.5</td><td>VB</td><td>66</td><td>79</td><td>26.9</td><td>35.5</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]	0.2552	49.1	48.6	9.8	58.9	58.4	VA	66	79	7.1	20.6	11.034	13.9	24.9	10.1	24	35	VA	60	73	36	38	0.1618	29.3	33.7	9.8	39.1	43.5	VB	66	79	26.9	35.5
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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0.1618	29.3	33.7	9.8	39.1	43.5	VB	66	79	26.9	35.5																																												
RADIATED EMISSION																																																						
Model Name : SUTS31205			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/5 17:26																																																			
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>987.325</td><td>23.5</td><td>BL</td><td>25.3</td><td>-29.3</td><td>19.5</td><td>26</td><td>156</td><td>Vert.</td><td>57</td><td>37.5</td></tr><tr><td>30.781</td><td>26.8</td><td>BL</td><td>17.8</td><td>-32.3</td><td>12.3</td><td>187</td><td>133</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]	987.325	23.5	BL	25.3	-29.3	19.5	26	156	Vert.	57	37.5	30.781	26.8	BL	17.8	-32.3	12.3	187	133	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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30.781	26.8	BL	17.8	-32.3	12.3	187	133	Vert.	50	37.7																																												

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

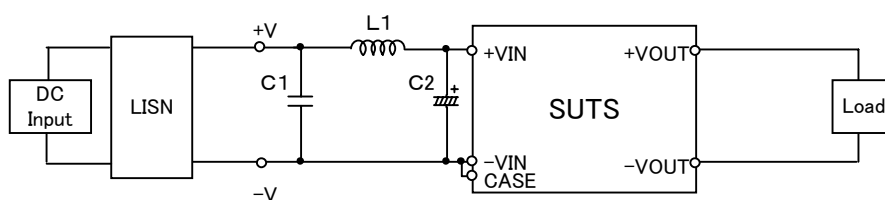


Fig.1 Testing circuitry 1

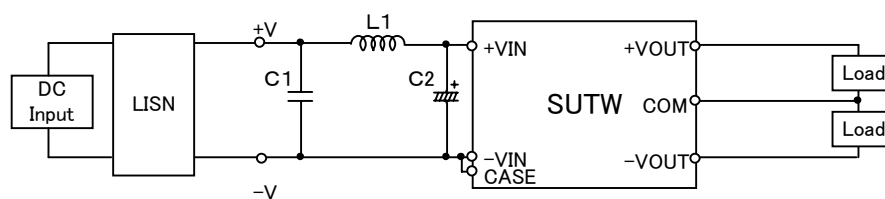


Fig.2 Testing circuitry 2

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