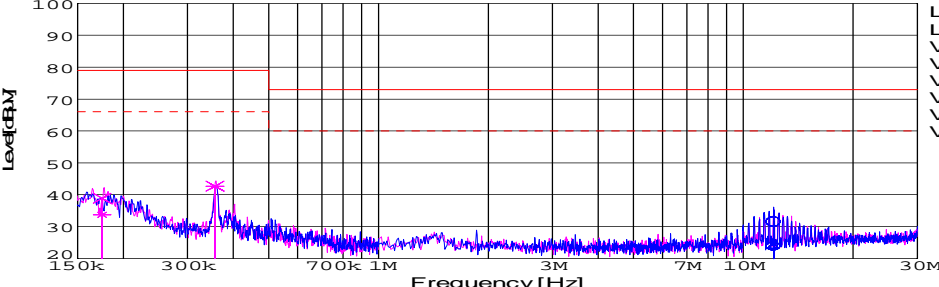
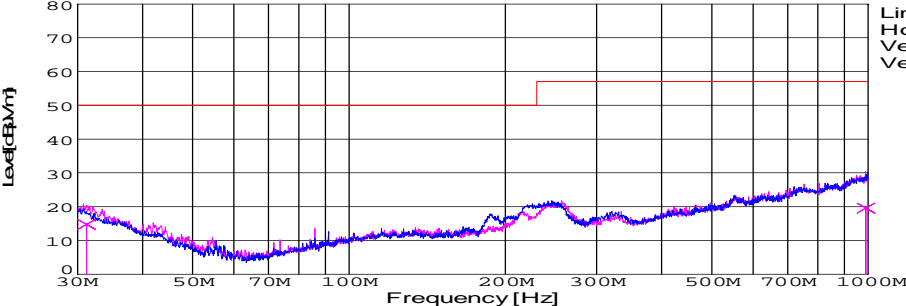


DATA SHEET							Date	05-Feb-09																																														
Model	SUTS30512						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	D.Joboji																																														
LINE CONDUCTION																																																						
Model Name : SUTS30512			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/5 14:17																																																			
Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP/Ave.			Load Line : 10mm																																																			
Line Mode : VA/VB			Comment :																																																			
Power Supply : DC 5V																																																						
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 5V																																															
<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>12.1376</td><td>13.5</td><td>21.3</td><td>10.1</td><td>23.6</td><td>31.4</td><td>VA</td><td>60</td><td>73</td><td>36.4</td><td>41.6</td></tr><tr><td>0.1748</td><td>23.9</td><td>29.1</td><td>9.8</td><td>33.7</td><td>38.9</td><td>VB</td><td>66</td><td>79</td><td>32.3</td><td>40.1</td></tr><tr><td>0.3566</td><td>32.8</td><td>32.9</td><td>9.8</td><td>42.6</td><td>42.7</td><td>VB</td><td>66</td><td>79</td><td>23.4</td><td>36.3</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]	12.1376	13.5	21.3	10.1	23.6	31.4	VA	60	73	36.4	41.6	0.1748	23.9	29.1	9.8	33.7	38.9	VB	66	79	32.3	40.1	0.3566	32.8	32.9	9.8	42.6	42.7	VB	66	79	23.4	36.3
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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0.3566	32.8	32.9	9.8	42.6	42.7	VB	66	79	23.4	36.3																																												
RADIATED EMISSION																																																						
Model Name : SUTS30512			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2009/2/5 14:53																																																			
Points : 2			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP			Load Line : 10mm																																																			
Polarization : Vertical			Comment :																																																			
Power Supply : DC 5V																																																						
Limit: [EN 55022] Class A<3m>																																																						
							Limit(QP) Horizontal(PEAK) Vertical(PEAK) Vertical(QP) DC 5V																																															
<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>990.224</td><td>23.5</td><td>BL</td><td>25.4</td><td>-29.3</td><td>19.6</td><td>201</td><td>144</td><td>Vert.</td><td>57</td><td>37.4</td></tr><tr><td>31.225</td><td>29.5</td><td>BL</td><td>17.6</td><td>-32.3</td><td>14.8</td><td>189</td><td>136</td><td>Vert.</td><td>50</td><td>35.2</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]	990.224	23.5	BL	25.4	-29.3	19.6	201	144	Vert.	57	37.4	31.225	29.5	BL	17.6	-32.3	14.8	189	136	Vert.	50	35.2											
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]																																												
990.224	23.5	BL	25.4	-29.3	19.6	201	144	Vert.	57	37.4																																												
31.225	29.5	BL	17.6	-32.3	14.8	189	136	Vert.	50	35.2																																												

## DATA SHEET

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

### 1. Line conduction



### 2. Radiated emission





## Conditions

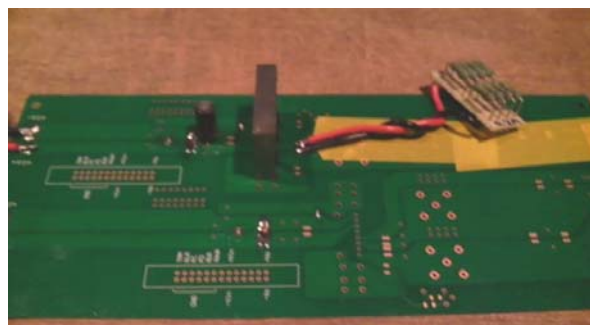
Test : EMI  
Model Name : SUTS/SUTW 305□□

○Photographs of Test Set-Up

### LINE CONDUCTION



### RADIATED EMISSION



○Testing circuitry

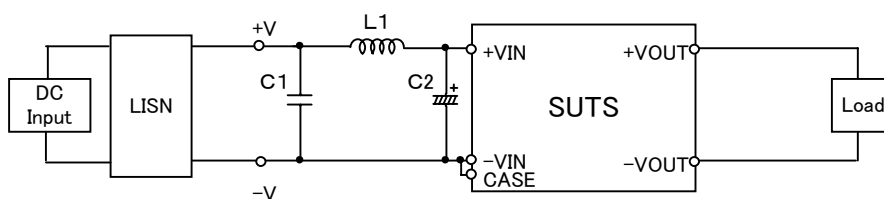


Fig.1 Testing circuitry 1

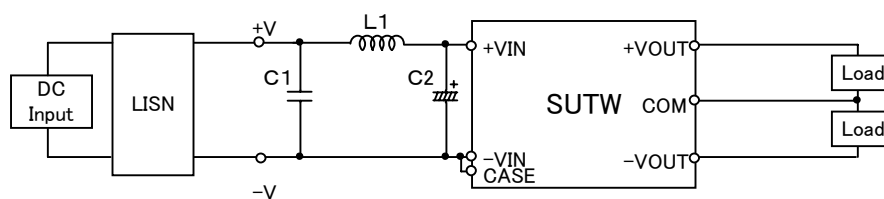


Fig.2 Testing circuitry 2

L1 :	2.2 $\mu$ H	CY3H-2R2	(KORIN ELECTRONICS)
C1 :	16V 1 $\mu$ F	C2012JB1C105K	(TDK)
C2 :	16V 220 $\mu$ F	UPW1C221M	(NICHICON)