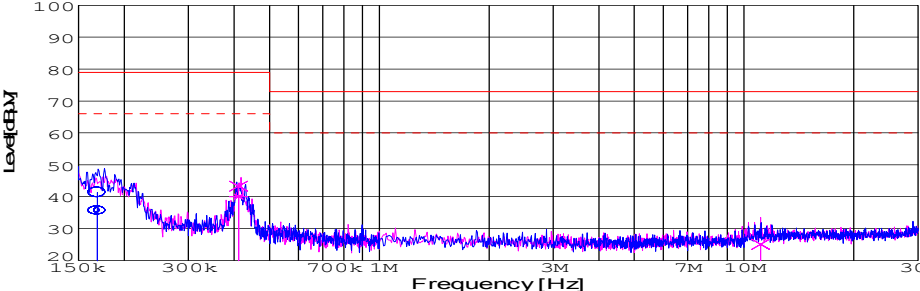
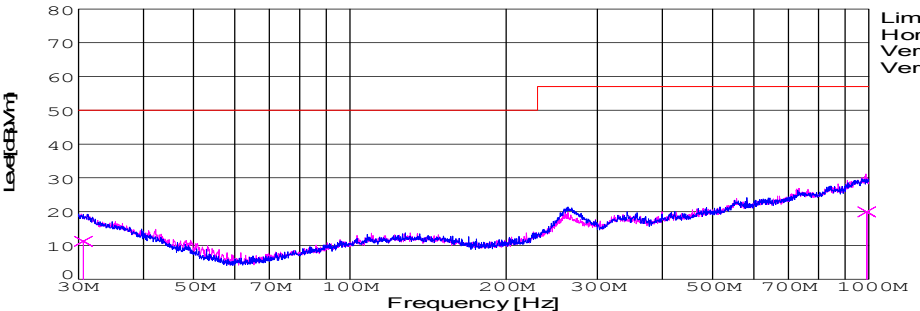


DATA SHEET							Date	12-May-05																																														
Model	SUCS30512						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	T.Ohara																																														
LINE CONDUCTION																																																						
Model Name : SUCS30512			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2005/5/12 16:09																																																			
Points : 3			Test Equip. : R3132,ESPC																																																			
Detector : PEAK/QP/Ave.			Load Line : 10mm																																																			
Line Mode : VA/VB			Comment : T.Ohara																																																			
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 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>0.1688</td><td>25.8</td><td>31.6</td><td>9.8</td><td>35.6</td><td>41.4</td><td>VA</td><td>66</td><td>79</td><td>30.4</td><td>37.6</td></tr><tr><td>0.4114</td><td>30.2</td><td>33.4</td><td>9.9</td><td>40.1</td><td>43.3</td><td>VB</td><td>66</td><td>79</td><td>25.9</td><td>35.7</td></tr><tr><td>11.0949</td><td>6.3</td><td>15</td><td>10.1</td><td>16.4</td><td>25.1</td><td>VB</td><td>60</td><td>73</td><td>43.6</td><td>47.9</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]	0.1688	25.8	31.6	9.8	35.6	41.4	VA	66	79	30.4	37.6	0.4114	30.2	33.4	9.9	40.1	43.3	VB	66	79	25.9	35.7	11.0949	6.3	15	10.1	16.4	25.1	VB	60	73	43.6	47.9
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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0.4114	30.2	33.4	9.9	40.1	43.3	VB	66	79	25.9	35.7																																												
11.0949	6.3	15	10.1	16.4	25.1	VB	60	73	43.6	47.9																																												
RADIATED EMISSION																																																						
Model Name : SUCS30512			Temp. : 25																																																			
Model No. :			Humi. : 45																																																			
Serial No. :			Date : 2005/5/12 16:27																																																			
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 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 &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>990.742</td><td>23.9</td><td>BL</td><td>25.4</td><td>-29.3</td><td>20</td><td>317</td><td>123</td><td>Vert.</td><td>57</td><td>37</td></tr><tr><td>30.657</td><td>25.7</td><td>BL</td><td>17.9</td><td>-32.3</td><td>11.3</td><td>334</td><td>116</td><td>Vert.</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]	990.742	23.9	BL	25.4	-29.3	20	317	123	Vert.	57	37	30.657	25.7	BL	17.9	-32.3	11.3	334	116	Vert.	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]																																												
990.742	23.9	BL	25.4	-29.3	20	317	123	Vert.	57	37																																												
30.657	25.7	BL	17.9	-32.3	11.3	334	116	Vert.	50	38.7																																												

# COSEL

## Conditions

Test : EMI  
Model Name : SUCS/SUCW 305

○Photographs of Test Set-Up

### LINE CONDUCTION



### RADIATED EMISSION



○Testing circuitry

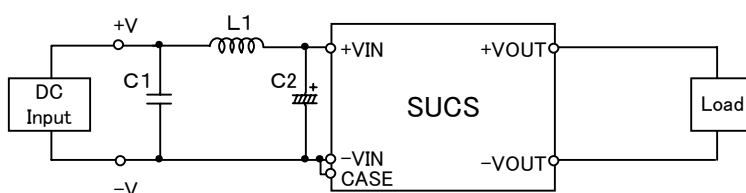


Fig.1 Testing circuitry 1

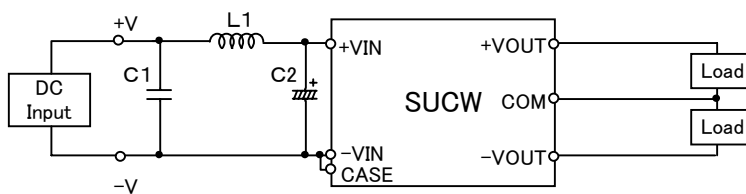


Fig.2 Testing circuitry 2

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