

DATA SHEET							Date	17-May-05																																			
Model	SUCW1R54815						Temp.	25degreeC																																			
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																			
							Tested by	T.Ohara																																			
LINE CONDUCTION																																											
Model Name : SUCW1R54815			Temp. : 25degreeC																																								
Model No. : -			Humi. : 45%																																								
Serial No. : -			Date : 2004/10/14 19:33																																								
Points : 2			Test Equip. : R3132,ESPC																																								
Detector : PEAK/QP/Ave.			Load Line : 10mm																																								
Line Mode : VA			Comment : -																																								
Power Supply : DC 48V																																											
Limit1: [EN 55022] Class A(QP)																																											
Limit2: [EN 55022] Class A(Ave.)																																											
							Limit1(QP) : 79 Limit2(Ave.) : 66 VA(PEAK) : 47.2 VB(PEAK) : 46.6 VA(QP) : 44.2 VA(Ave.) : 34.2																																				
							Vin : DC48V Iout : 0.05A																																				
<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>0.4119</td><td>47.2</td><td>46.6</td><td>9.9</td><td>57.1</td><td>56.5</td><td>VA</td><td>66</td><td>79</td><td>8.9</td><td>22.5</td></tr><tr><td>5.3594</td><td>34.2</td><td>34</td><td>10</td><td>44.2</td><td>44</td><td>VA</td><td>60</td><td>73</td><td>15.8</td><td>29</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]	0.4119	47.2	46.6	9.9	57.1	56.5	VA	66	79	8.9	22.5	5.3594	34.2	34	10	44.2	44	VA	60	73	15.8	29
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Polarization : Hori. & Vert.			Comment : -																																								
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Limit: [EN 55022] Class A<3m>																																											
							Limit(QP) : 57 Horizontal(PEAK) : 24.1 Vertical(PEAK) : 26.7 Horizontal(QP) : 20.1 Vertical(QP) : 12																																				
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<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>998.512</td><td>24.1</td><td>BL</td><td>25.3</td><td>-29.3</td><td>20.1</td><td>320</td><td>142</td><td>Hori.</td><td>57</td><td>36.9</td></tr><tr><td>31.132</td><td>26.7</td><td>BL</td><td>17.6</td><td>-32.3</td><td>12</td><td>6</td><td>102</td><td>Vert.</td><td>50</td><td>38</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]	998.512	24.1	BL	25.3	-29.3	20.1	320	142	Hori.	57	36.9	31.132	26.7	BL	17.6	-32.3	12	6	102	Vert.	50	38
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COSEL

Conditions

Test : EMI
Model Name : SUCS/SUCW 1R548

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

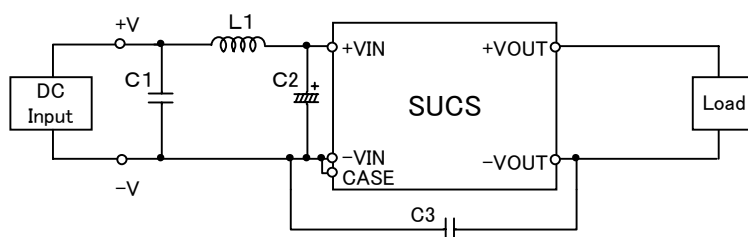


Fig.1 Testing circuitry 1

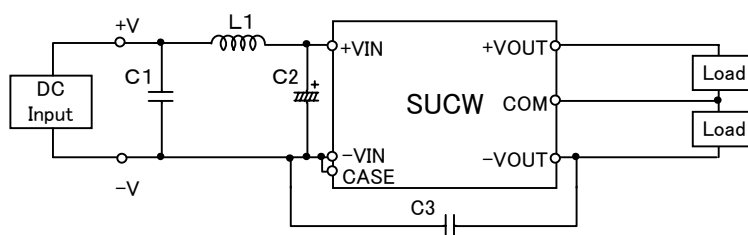


Fig.2 Testing circuitry 2

L1 :	10 μ H	GLF2518T100K	(TDK)
C1 :	100V 0.47 μ F	C3216JB2A474K	(TDK)
C2 :	100V 10 μ F	UPW2A100M	(NICHICON)
C3 :	1000V 470pF	GRM31BR33A471K	(MURATA)