

DATA SHEET							Date	17-May-05																																			
Model	SUCS1R54805						Temp.	25degreeC																																			
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																			
							Tested by	T.Ohara																																			
LINE CONDUCTION																																											
Model Name : SUCS1R54805			Temp. : 25degreeC																																								
Model No. : -			Humi. : 45%																																								
Serial No. : -			Date : 2004/10/14 21:07																																								
Points : 2			Test Equip. : R3132,ESPC																																								
Detector : PEAK/QP/Ave.			Load Line : 10mm																																								
Line Mode : VA/VB			Comment : -																																								
Power Supply : DC 48V																																											
Limit1: [EN 55022] Class A(QP)																																											
Limit2: [EN 55022] Class A(Ave.)																																											
							Vin : DC48V Iout : 0.3A																																				
<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>0.4615</td><td>45.3</td><td>44.7</td><td>9.9</td><td>55.2</td><td>54.6</td><td>VA</td><td>66</td><td>79</td><td>10.8</td><td>24.4</td></tr><tr><td>1.8466</td><td>33.6</td><td>33.4</td><td>9.9</td><td>43.5</td><td>43.3</td><td>VB</td><td>60</td><td>73</td><td>16.5</td><td>29.7</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]	0.4615	45.3	44.7	9.9	55.2	54.6	VA	66	79	10.8	24.4	1.8466	33.6	33.4	9.9	43.5	43.3	VB	60	73	16.5	29.7
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 : SUCS1R54805			Temp. : 25degreeC																																								
Model No. : -			Humi. : 45%																																								
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Points : 2			Test Equip. : R3132,ESPC																																								
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Polarization : Vertical			Comment : -																																								
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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 &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>951.798</td><td>24.2</td><td>BL</td><td>25.1</td><td>-29.3</td><td>20</td><td>182</td><td>157</td><td>Vert.</td><td>57</td><td>37</td></tr><tr><td>31.549</td><td>26.5</td><td>BL</td><td>17.4</td><td>-32.2</td><td>11.7</td><td>310</td><td>149</td><td>Vert.</td><td>50</td><td>38.3</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]	951.798	24.2	BL	25.1	-29.3	20	182	157	Vert.	57	37	31.549	26.5	BL	17.4	-32.2	11.7	310	149	Vert.	50	38.3
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# COSEL

## Conditions

Test : EMI  
Model Name : SUCS/SUCW 1R548

○Photographs of Test Set-Up

LINE CONDUCTION



RADIATED EMISSION



○Testing circuitry

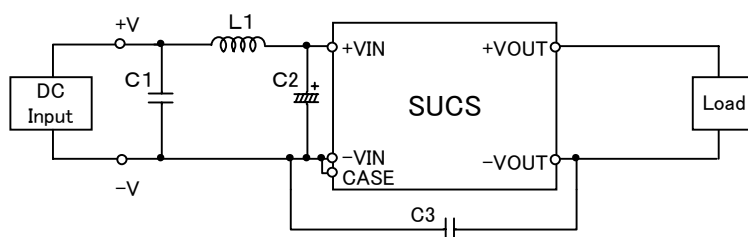


Fig.1 Testing circuitry 1

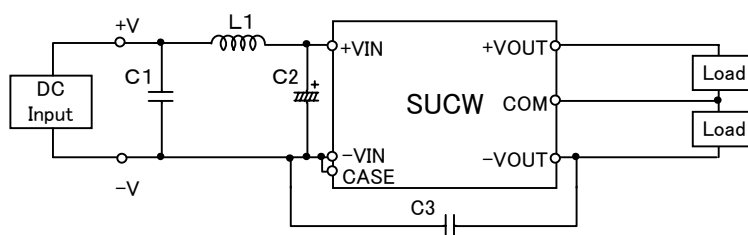


Fig.2 Testing circuitry 2

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