

DATA SHEET							Date	04-Oct-07																																																
Model	SFS30481R8						Temp.	25 degreeC																																																
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																																
							Tested by	Y.Miyawaki																																																
LINE CONDUCTION																																																								
Model Name : SFS30481R8				Temp. : 25degreeC																																																				
Model No. :				Humi. : 45%																																																				
Serial No. :				Date : 2007/10/4 9:28																																																				
Points : 3				Test Equip. : R3132,ESPC																																																				
Detector : PEAK/QP/Ave.				Load Line : 100mm																																																				
Line Mode : VA/VB				Comment : Vo = 1.8V , Io = 9.0A																																																				
Power Supply : DC 48V																																																								
Limit1: [CISPR Pub11] Class A Gr.1(QP)																																																								
Limit2: [CISPR Pub11] Class A Gr.1(Ave.)																																																								
							Limit1(QP) Limit2(Ave.) VA(PEAK) VB(PEAK) VA(QP) VA(Ave.) VB(QP) VB(Ave.)																																																	
<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>0.4696</td><td>29.4</td><td>29.7</td><td>9.9</td><td>39.3</td><td>39.6</td><td>VA</td><td>66</td><td>79</td><td>26.7</td><td>39.4</td></tr><tr><td>17.8566</td><td>34.9</td><td>34.8</td><td>10.2</td><td>45.1</td><td>45</td><td>VA</td><td>60</td><td>73</td><td>14.9</td><td>28</td></tr><tr><td>0.1605</td><td>36.7</td><td>40.9</td><td>9.8</td><td>46.5</td><td>50.7</td><td>VB</td><td>66</td><td>79</td><td>19.5</td><td>28.3</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]	0.4696	29.4	29.7	9.9	39.3	39.6	VA	66	79	26.7	39.4	17.8566	34.9	34.8	10.2	45.1	45	VA	60	73	14.9	28	0.1605	36.7	40.9	9.8	46.5	50.7	VB	66	79	19.5	28.3
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]																																														
0.4696	29.4	29.7	9.9	39.3	39.6	VA	66	79	26.7	39.4																																														
17.8566	34.9	34.8	10.2	45.1	45	VA	60	73	14.9	28																																														
0.1605	36.7	40.9	9.8	46.5	50.7	VB	66	79	19.5	28.3																																														
RADIATED EMISSION																																																								
Model Name : SFS30481R8				Temp. : 25degreeC																																																				
Model No. :				Humi. : 45%																																																				
Serial No. :				Date : 2007/10/4 14:45																																																				
Points : 3				Test Equip. : R3132,ESPC																																																				
Detector : PEAK/QP				Load Line : 100mm																																																				
Polarization : Vertical				Comment : Vo = 1.8V , Io = 9.0A																																																				
Power Supply : DC 48V																																																								
Limit: [CISPR 11] Class A Group 1<3m>																																																								
							Limit(QP) Horizontal(PEAK) Vertical(PEAK) Vertical(QP)																																																	
<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>65.808</td><td>62.6</td><td>BL</td><td>4.9</td><td>-32</td><td>35.5</td><td>311</td><td>124</td><td>Vert.</td><td>50</td><td>14.5</td></tr><tr><td>281.873</td><td>47.9</td><td>BL</td><td>12.6</td><td>-31</td><td>29.5</td><td>211</td><td>106</td><td>Vert.</td><td>57</td><td>27.5</td></tr><tr><td>253.284</td><td>40.5</td><td>BL</td><td>12.8</td><td>-31.1</td><td>22.2</td><td>202</td><td>140</td><td>Vert.</td><td>57</td><td>34.8</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]	65.808	62.6	BL	4.9	-32	35.5	311	124	Vert.	50	14.5	281.873	47.9	BL	12.6	-31	29.5	211	106	Vert.	57	27.5	253.284	40.5	BL	12.8	-31.1	22.2	202	140	Vert.	57	34.8
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]																																														
65.808	62.6	BL	4.9	-32	35.5	311	124	Vert.	50	14.5																																														
281.873	47.9	BL	12.6	-31	29.5	211	106	Vert.	57	27.5																																														
253.284	40.5	BL	12.8	-31.1	22.2	202	140	Vert.	57	34.8																																														

DATA SHEET		Date	04-Oct-07
Model	SFS30481R8	Temp.	degreeC degree
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

1.Conditions

(1)Photograph of Test Set-Up

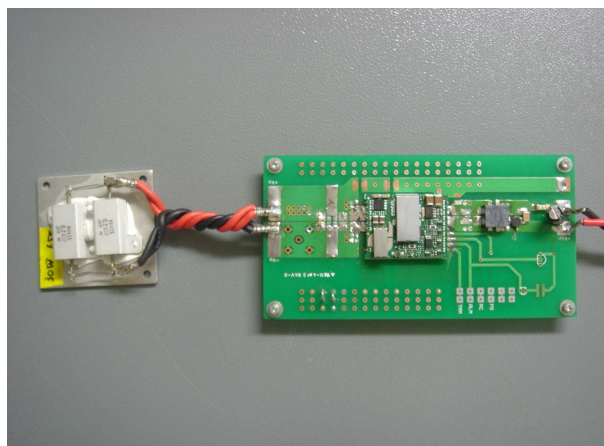
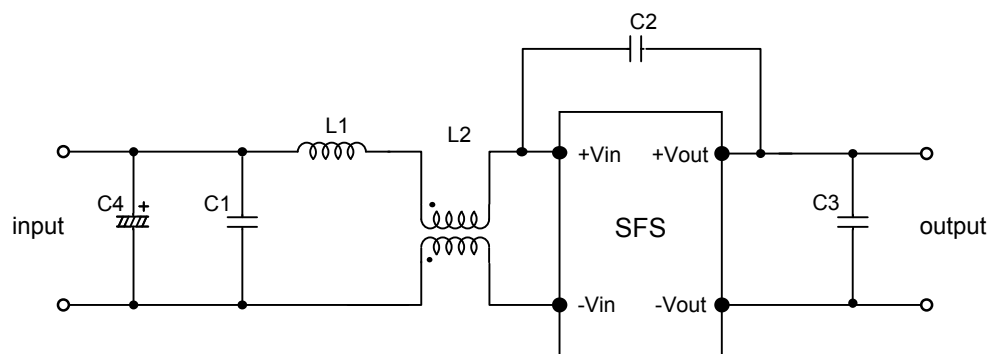


Fig1. Photograph of Test Set-Up

(2)Testing circuitry



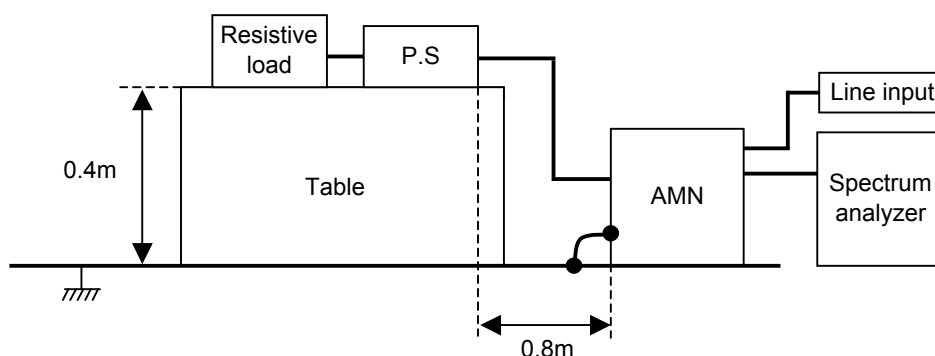
C1: 1 μ F 100V Ceramic capacitor
 C2: 2200pF 630V Ceramic capacitor
 C3: 22 μ F 16V Ceramic capacitor
 C4: 22 μ F 100V Electric capacitor

L1: 1 μ H 2.4A Inductor
 L2: ACM1211-102-2PL : TDK

Fig2. Testing circuitry

DATA SHEET		Date	04-Oct-07
Model	Circuit used for measurement	Temp.	degreeC degree
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

1. Line conduction



2. Radiated emission

