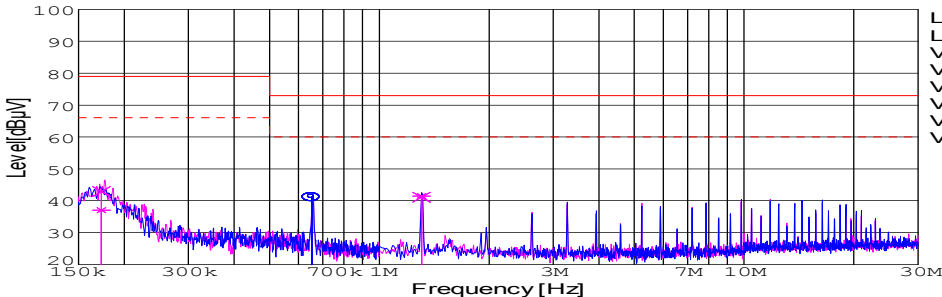
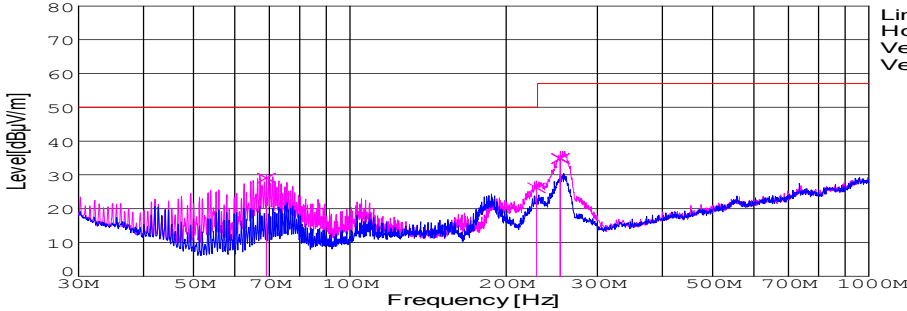


DATA SHEET							Date	10-Oct-07																																														
Model	SFS20481R8						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	Y.Miyawaki																																														
LINE CONDUCTION																																																						
Model Name			SFS20481R8		Temp.		25degreeC																																															
Model No.					Humi.		45%																																															
Serial No.					Date		2007/10/10 15:36																																															
Points			3		Test Equip.		R3132,ESPC																																															
Detector			PEAK/QP/Ave.		Load Line		100mm																																															
Line Mode			VA/VB		Comment		Vo = 1.8V , Io = 8.0A																																															
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)		—																																													
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							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>0.6529</td><td>31.2</td><td>31.2</td><td>9.9</td><td>41.1</td><td>41.1</td><td>VA</td><td>60</td><td>73</td><td>18.9</td><td>31.9</td></tr><tr><td>0.1731</td><td>27.2</td><td>33.1</td><td>9.8</td><td>37</td><td>42.9</td><td>VB</td><td>66</td><td>79</td><td>29</td><td>36.1</td></tr><tr><td>1.3057</td><td>31.6</td><td>31.2</td><td>9.9</td><td>41.5</td><td>41.1</td><td>VB</td><td>60</td><td>73</td><td>18.5</td><td>31.9</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]	0.6529	31.2	31.2	9.9	41.1	41.1	VA	60	73	18.9	31.9	0.1731	27.2	33.1	9.8	37	42.9	VB	66	79	29	36.1	1.3057	31.6	31.2	9.9	41.5	41.1	VB	60	73	18.5	31.9
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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Model Name			SFS20481R8		Temp.		25degreeC																																															
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Points			3		Test Equip.		R3132,ESPC																																															
Detector			PEAK/QP		Load Line		100mm																																															
Polarization			Vertical		Comment		Vo = 1.8V , Io = 8.0A																																															
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 &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>69.063</td><td>55.7</td><td>BL</td><td>5.3</td><td>-31.9</td><td>29.1</td><td>355</td><td>109</td><td>Vert.</td><td>50</td><td>20.9</td></tr><tr><td>228.859</td><td>47.7</td><td>BL</td><td>9.7</td><td>-31.2</td><td>26.2</td><td>182</td><td>139</td><td>Vert.</td><td>50</td><td>23.8</td></tr><tr><td>254.513</td><td>53</td><td>BL</td><td>13</td><td>-31.1</td><td>34.9</td><td>198</td><td>117</td><td>Vert.</td><td>57</td><td>22.1</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]	69.063	55.7	BL	5.3	-31.9	29.1	355	109	Vert.	50	20.9	228.859	47.7	BL	9.7	-31.2	26.2	182	139	Vert.	50	23.8	254.513	53	BL	13	-31.1	34.9	198	117	Vert.	57	22.1
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]																																												
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DATA SHEET		Date	10-Oct-07
Model	SFS20481R8	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

## 1.Conditions

### (1)Photograph of Test Set-Up

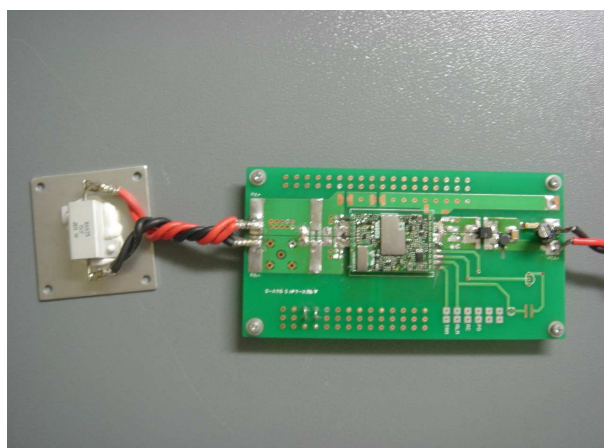
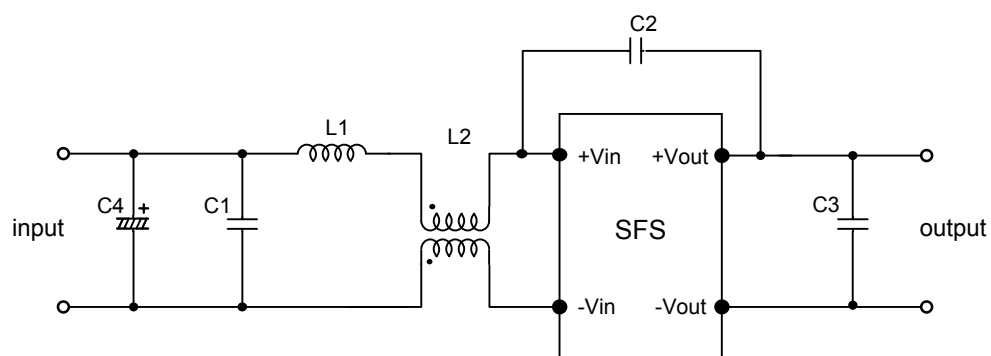


Fig1. Photograph of Test Set-Up

### (2)Testing circuitry



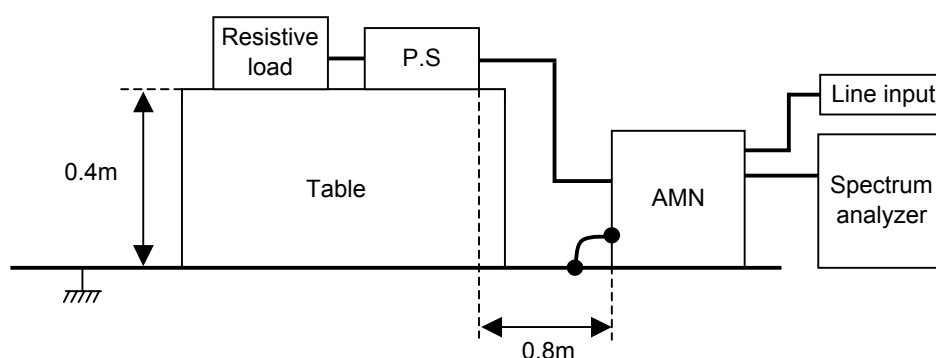
C1: 1 $\mu$ F 100V Ceramic capacitor  
 C2: 2200pF 630V Ceramic capacitor  
 C3: 22 $\mu$ F 16V Ceramic capacitor  
 C4: 10 $\mu$ F 100V Electric capacitor

L1: 1 $\mu$ H 2.4A Inductor  
 L2: ZJYS51R5-2PT : TDK

Fig2. Testing circuitry

DATA SHEET		Date	10-Oct-07
Model	Circuit used for measurement	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

## 1. Line conduction



## 2. Radiated emission

