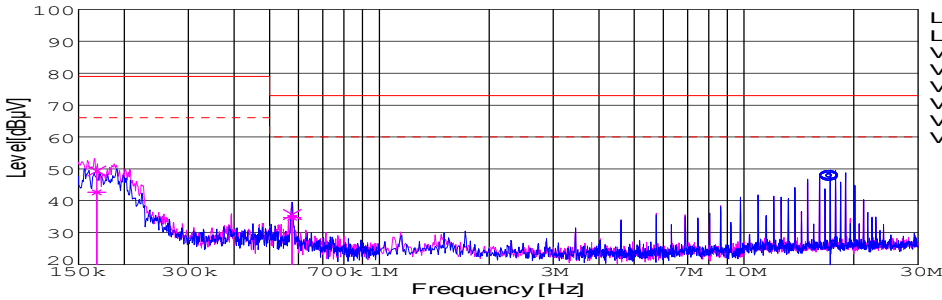
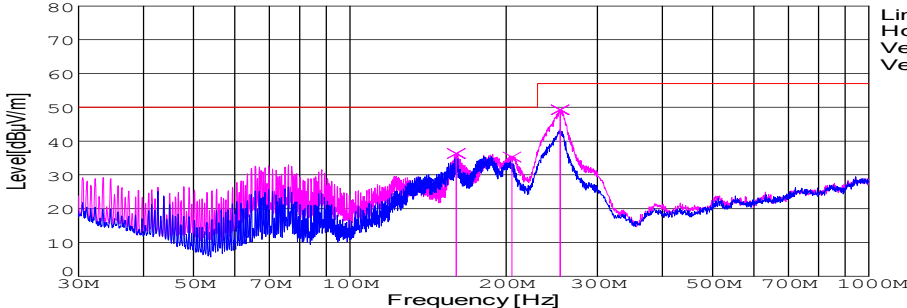


DATA SHEET							Date	09-Oct-07																																														
Model	SFS30243R3						Temp.	25 degreeC																																														
Test	EMI Line conduction & Radiated emission						Humid.	45 %RH																																														
							Tested by	Y.Miyawaki																																														
LINE CONDUCTION																																																						
Model Name : SFS30243R3				Temp. : 25degreeC																																																		
Model No. :				Humi. : 45%																																																		
Serial No. :				Date : 2007/10/9 15:16																																																		
Points : 3				Test Equip. : R3132,ESPC																																																		
Detector : PEAK/QP/Ave.				Load Line : 100mm																																																		
Line Mode : VA/VB				Comment : Vo = 3.3V , Io = 9.0A																																																		
Power Supply : DC 24V																																																						
Limit1: [CISPR Pub11] Class A Gr.1(QP)																																																						
Limit2: [CISPR Pub11] Class A Gr.1(Ave.)																																																						
							<div>Limit1(QP)</div> <div>Limit2(Ave.)</div> <div>VA(PEAK)</div> <div>VB(PEAK)</div> <div>VA(QP)</div> <div>VA(Ave.)</div> <div>VB(QP)</div> <div>VB(Ave.)</div>																																															
<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>17.2214</td><td>37.4</td><td>37.9</td><td>10.2</td><td>47.6</td><td>48.1</td><td>VA</td><td>60</td><td>73</td><td>12.4</td><td>24.9</td></tr><tr><td>0.1681</td><td>32.8</td><td>39.5</td><td>9.8</td><td>42.6</td><td>49.3</td><td>VB</td><td>66</td><td>79</td><td>23.4</td><td>29.7</td></tr><tr><td>0.5772</td><td>24.8</td><td>25.8</td><td>9.9</td><td>34.7</td><td>35.7</td><td>VB</td><td>60</td><td>73</td><td>25.3</td><td>37.3</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]	17.2214	37.4	37.9	10.2	47.6	48.1	VA	60	73	12.4	24.9	0.1681	32.8	39.5	9.8	42.6	49.3	VB	66	79	23.4	29.7	0.5772	24.8	25.8	9.9	34.7	35.7	VB	60	73	25.3	37.3
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]																																												
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RADIATED EMISSION																																																						
Model Name : SFS30243R3				Temp. : 25degreeC																																																		
Model No. :				Humi. : 45%																																																		
Serial No. :				Date : 2007/10/9 15:27																																																		
Points : 3				Test Equip. : R3132,ESPC																																																		
Detector : PEAK/QP				Load Line : 100mm																																																		
Polarization : Vertical				Comment : Vo = 3.3V , Io = 9.0A																																																		
Power Supply : DC 24V																																																						
Limit: [CISPR 11] Class A Group 1<3m>																																																						
							<div>Limit(QP)</div> <div>Horizontal(PEAK)</div> <div>Vertical(PEAK)</div> <div>Vertical(QP)</div>																																															
<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>160.285</td><td>57.9</td><td>BL</td><td>9.9</td><td>-31.5</td><td>36.3</td><td>0</td><td>159</td><td>Vert.</td><td>50</td><td>13.7</td></tr><tr><td>205.198</td><td>58</td><td>BL</td><td>8.6</td><td>-31.3</td><td>35.3</td><td>183</td><td>115</td><td>Vert.</td><td>50</td><td>14.7</td></tr><tr><td>254.211</td><td>67.5</td><td>BL</td><td>12.9</td><td>-31.1</td><td>49.3</td><td>230</td><td>125</td><td>Vert.</td><td>57</td><td>7.7</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]	160.285	57.9	BL	9.9	-31.5	36.3	0	159	Vert.	50	13.7	205.198	58	BL	8.6	-31.3	35.3	183	115	Vert.	50	14.7	254.211	67.5	BL	12.9	-31.1	49.3	230	125	Vert.	57	7.7
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]																																												
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DATA SHEET		Date	09-Oct-07
Model	SFS30243R3	Temp.	25 degreeC
Test	EMI Line conduction & Radiated emission	Humid.	45 %RH
		Tested by	Y.Miyawaki

## 1.Conditions

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

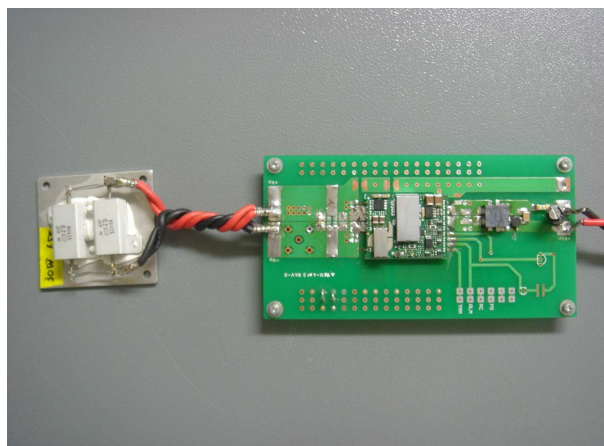
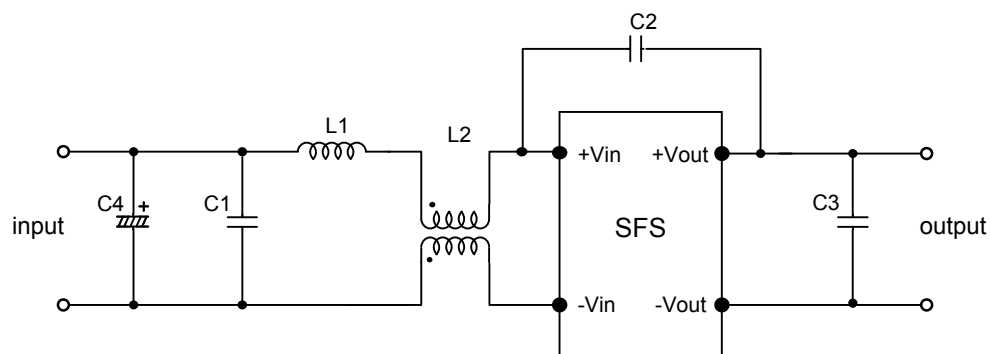


Fig1. Photograph of Test Set-Up

### (2)Testing circuitry



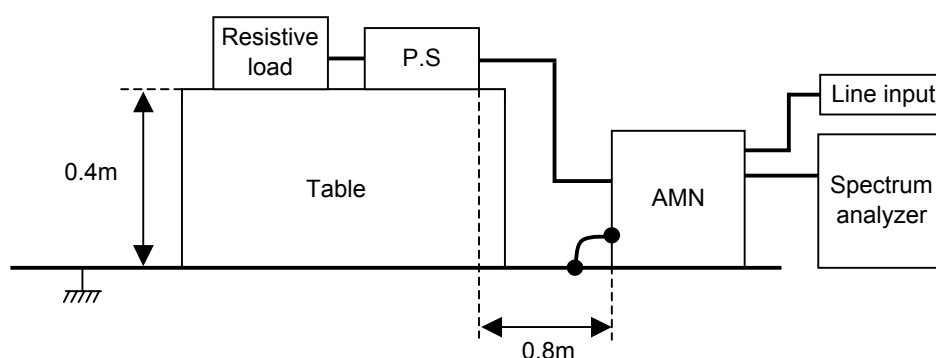
C1: 1 $\mu$ F 100V Ceramic capacitor  
 C2: 2200pF 630V Ceramic capacitor  
 C3: 22 $\mu$ F 16V Ceramic capacitor  
 C4: 68 $\mu$ F 80V Electric capacitor

L1: 1 $\mu$ H 2.4A Inductor  
 L2: ACM1211-102-2PL : TDK

Fig2. Testing circuitry

DATA SHEET		Date	09-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

