

6 CONDUCTED EMISSIONS DATA

6.1 Conducted Emissions Test Procedure

This test procedure was performed in accordance with the Conducted Voltage Emissions Test Procedure SOP-0179, in accordance with FCC/OET MP-5 (1986).

The conducted emissions were measured using two steps:

The initial, qualitative, survey of conducted emissions was performed using a spectrum analyzer scanning with peak detection. For this step, the frequency range was divided into four sub-ranges, and a separate scan was taken for each. For each sub-range scan, the spectrum analyzer was swept four times in max-hold mode to capture time varying emissions. The scans for each line were plotted and all the indicated emissions were marked.

The final, quantitative, measurement was made on the configuration and mode of operation that produced the highest emission relative to the limit, on the emissions recorded as “marked traces.” These were exported to a spot frequency table which was used to automatically perform a quasi-peak measurement on each frequency. A 9 kHz bandwidth was used.

6.2 Conducted Emissions Test Results

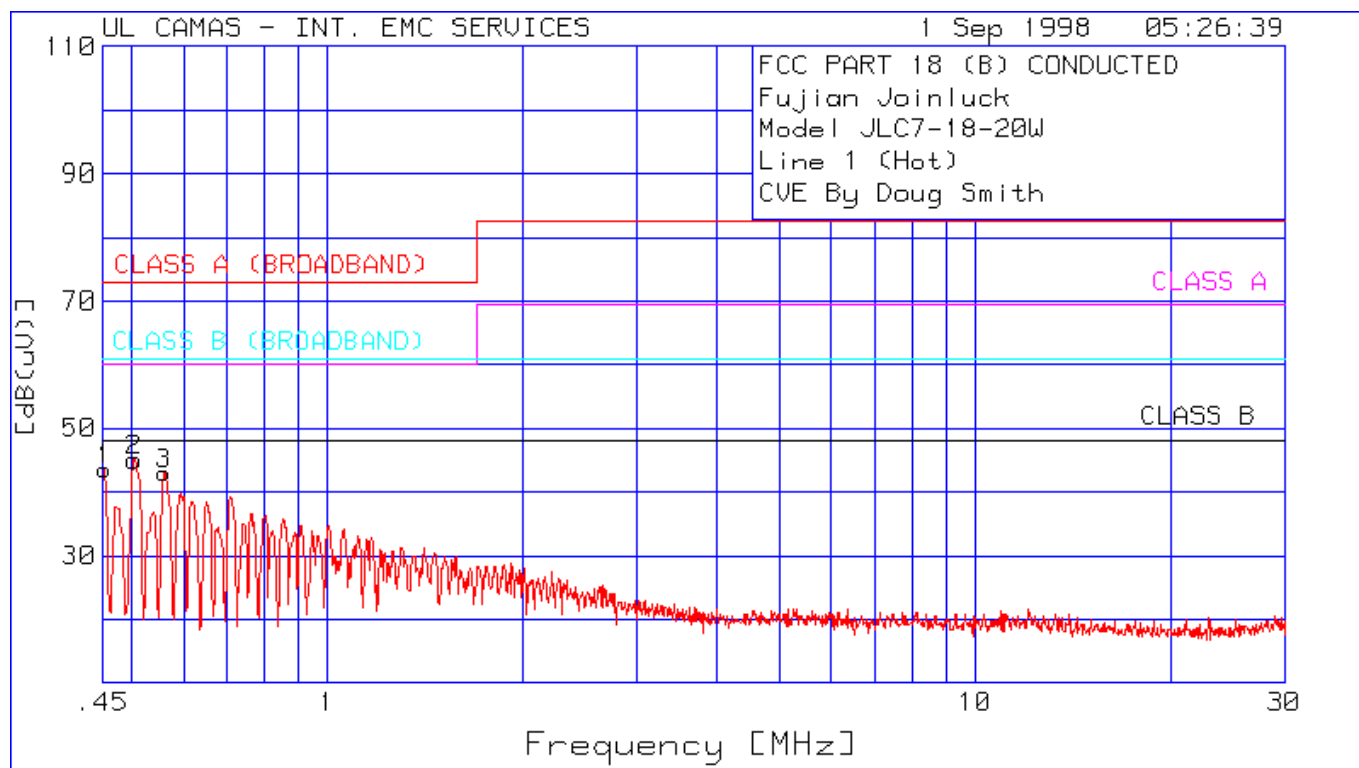
The emissions measurements made in this configuration are deemed to represent the worst case emissions for this system. The preliminary peak scans for each line are provided on the following pages. Emissions requiring quasi-peak measurements are marked numerically. Additional emissions may also be marked.

The final quasi-peak compliance data for both lines is provided on a separate pages following the preliminary peak scans.

6.3 Conducted Emissions Test Data

MEASUREMENT OF CONDUCTED VOLTAGE EMISSIONS

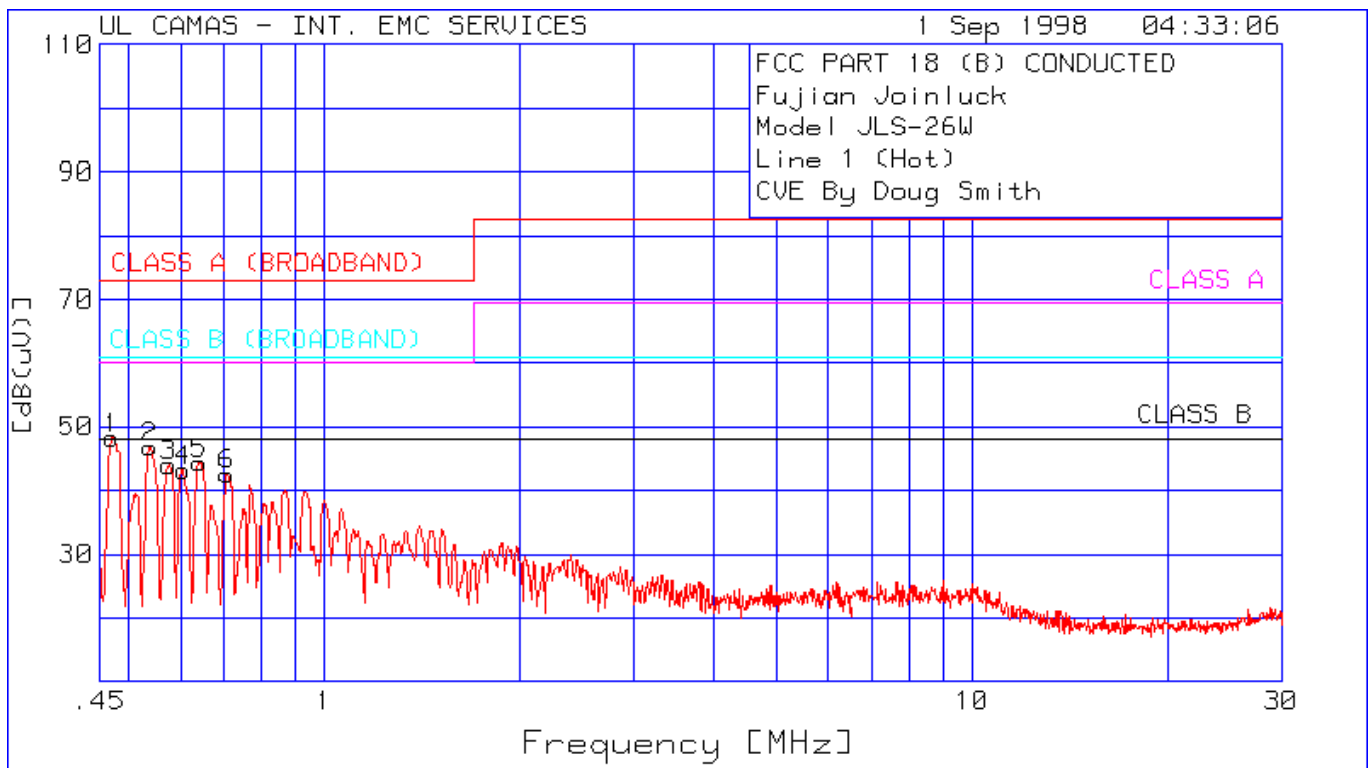
Temp./Humidity/Atm. Pressure : 23 °C/ 58 %RH/ 29.5 in Hg
Manufacturer : Fujian Joinluck Electronic Enterprise Co., Ltd.
Equipment Under Test (EUT) : Model JLC7-18 20W Fluorescent lampholder adaptor; self ballasted lamp
Operating Mode : Energized with lamp on.
Basic Standard / Class : CFR Title 47, Pt. 18 / Class B
Detection Mode : Peak (pk)
Bandwidth : 200 Hz for measurements 9 kHz to 150 kHz
 9kHz for measurements 150 kHz to 30 MHz
Line : L1



file cv111_1.GIF

MEASUREMENT OF CONDUCTED VOLTAGE EMISSIONS

Temp./Humidity/Atm. Pressure : 23 °C/ 58 %RH/ 29.5 in Hg
Manufacturer : Fujian Joinluck Electronic Enterprise Co., Ltd.
Equipment Under Test (EUT) : Model JLS 26W Fluorescent lampholder adaptor; self ballasted lamp
Operating Mode : Energized with lamp on.
Basic Standard / Class : CFR Title 47, Pt. 18 / Class B
Detection Mode : Peak (pk)
Bandwidth : 200 Hz for measurements 9 kHz to 150 kHz
 9kHz for measurements 150 kHz to 30 MHz
Line : L1



file cv111_2.GIF

MEASUREMENT OF CONDUCTED VOLTAGE EMISSIONS

Temp./Humidity/Atm. Pressure : 23 °C/ 58 %RH/ 29.5 in Hg
Manufacturer : Fujian Joinluck Electronic
 Enterprise Co., Ltd.
Equipment Under Test (EUT) : Model JLS 26W Fluorescent lampholder adaptor; self ballasted
 lamp
Operating Mode : Energized with lamp on.
Basic Standard / Class : CFR Title 47, Pt. 18 / Class B
Detection Mode : Quasi-peak (qpk) or Peak (pk)
Bandwidth : 200 Hz for measurements 9 kHz to 150 kHz
 9kHz for measurements 150 kHz to 30 MHz
Line : L1

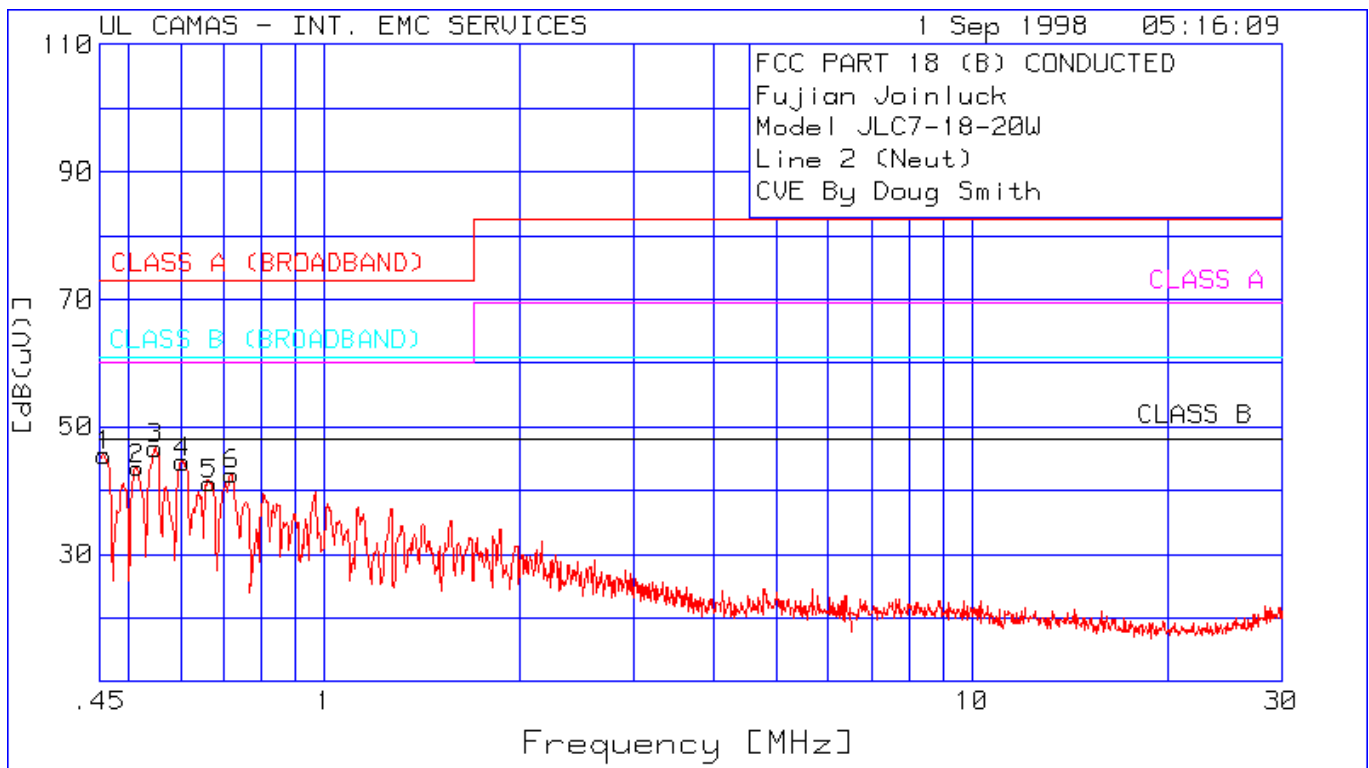
Frequency	Meter Reading	Cable Loss	Trans-ducer Factor	Measured Intensity	Quasi-Peak Limit	Margin
MHz	dB(μV)	dB	dB	dB(μV)	dB(μV)	dB(μV)
.47010	48.00 pk	.10	.10	48.20	48.00	0.2
.53769	46.70 pk	.10	0.00	46.80*	48.00	-1.2
.57606	43.90 pk	.10	0.00	44.00*	48.00	-4
.60529	43.10 pk	.10	0.00	43.20*	48.00	-4.8
.64183	44.20 pk	.10	0.00	44.30*	48.00	-3.7
.70760	42.30 pk	.20	0.00	42.50*	48.00	-5.5
.4551	45.14 qpk	.10	.10	45.34*	48.00	-2.66
.5204	44.57 qpk	.10	0.00	44.67*	48.00	-3.33
.5842	42.83 qpk	.10	0.00	42.93*	48.00	-5.07
.5844	42.85 qpk	.10	0.00	42.95*	48.00	-5.05
.6480	39.20 qpk	.10	0.00	39.30*	48.00	-8.7
.6831	38.89 qpk	.20	0.00	39.09*	48.00	-8.91

(*) Measurement data using peak or quasi-peak detection is under the quasi-peak limit.

(**) Measurement data using quasi-peak detection is under the quasi-peak limit and data using average detection is under the average limit.

MEASUREMENT OF CONDUCTED VOLTAGE EMISSIONS

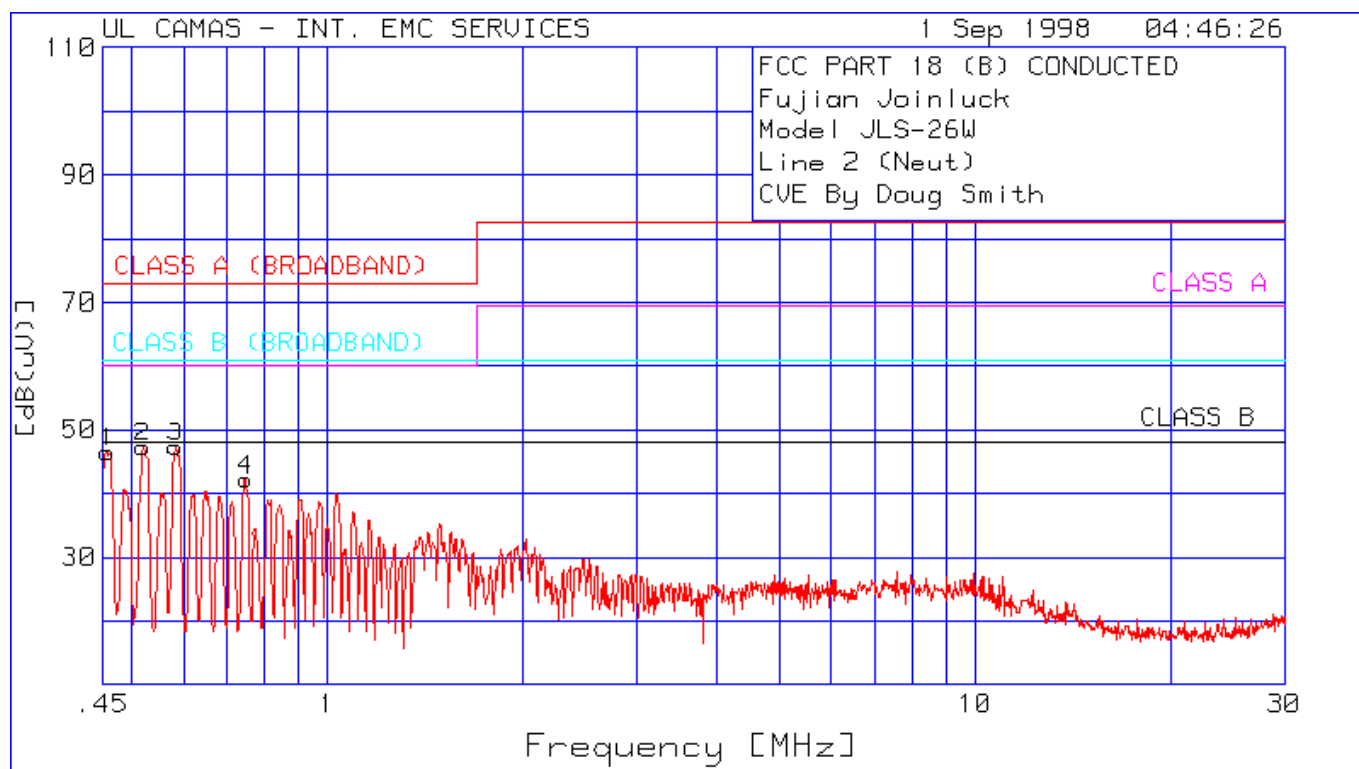
Temp./Humidity/Atm. Pressure : 23 °C/ 58 %RH/ 29.5 in Hg
Manufacturer : Fujian Joinluck Electronic Enterprise Co., Ltd.
Equipment Under Test (EUT) : Model JLC7-18 20W Fluorescent lampholder adaptor; self ballasted lamp
Operating Mode : Energized with lamp on.
Basic Standard / Class : CFR Title 47, Pt. 18 / Class B
Detection Mode : Peak (pk)
Bandwidth : 200 Hz for measurements 9 kHz to 150 kHz
 9kHz for measurements 150 kHz to 30 MHz
Line : L2



file cv121_1.GIF

MEASUREMENT OF CONDUCTED VOLTAGE EMISSIONS

Temp./Humidity/Atm. Pressure : 23 °C/ 58 %RH/ 29.9 in Hg
Manufacturer : Fujian Joinluck Electronic Enterprise Co., Ltd.
Equipment Under Test (EUT) : Model JLS 26W Fluorescent lampholder adaptor; self ballasted lamp
Operating Mode : Energized with lamp on.
Basic Standard / Class : CFR Title 47, Pt. 18 / Class B
Detection Mode : Peak (pk)
Bandwidth : 200 Hz for measurements 9 kHz to 150 kHz
 9kHz for measurements 150 kHz to 30 MHz
Line : L2



file cv121_2.GIF

Temp./Humidity/Atm. Pressure	: 23 °C/ 58 %RH/ 29.9 in Hg
Manufacturer	: Fujian Joinluck Electronic Enterprise Co., Ltd.
Equipment Under Test (EUT)	: Model JLC7-18 20W Fluorescent lampholder adaptor; self ballasted lamp .45731
Operating Mode	: Energized with lamp on.
Basic Standard / Class	: CFR Title 47, Pt. 18 / Class B
Detection Mode	: Quasi-peak (qpk) or Peak (pk)
Bandwidth	: 200 Hz for measurements 9 kHz to 150 kHz 9kHz for measurements 150 kHz to 30 MHz
Line	: L2

Frequency	Meter Reading	Cable Loss	Transducer Factor	Measured Intensity	Quasi-Peak Limit	Margin
MHz	dB(μV)	dB	dB	dB(μV)	dB(μV)	dB(μV)
.45731	45.30 pk	.10	0.10	45.50*	48.00	-2.5
.51394	43.40 pk	.10	0.00	43.50*	48.00	-4.5
.54866	46.60 pk	.10	0.00	46.70*	48.00	-1.3
.60346	44.40 pk	.10	0.00	44.50*	48.00	-3.5
.66558	40.90 pk	.20	0.00	41.10*	48.00	-6.9
.72039	42.30 pk	.20	0.00	42.50*	48.00	-5.5
.4981	42.15 qpk	.10	0.10	42.35*	48.00	-5.65
.4981	43.24 qpk	.10	0.10	43.44*	48.00	-4.56
.5266	39.55 qpk	.10	0.00	39.65*	48.00	-8.35
.5841	40.26 qpk	.10	0.00	40.36*	48.00	-7.64
.6697	37.68 qpk	.20	0.00	37.88*	48.00	-10.12
.7047	38.17 qpk	.20	0.00	38.37*	48.00	-9.63

(*) Measurement data using peak or quasi-peak detection is under the quasi-peak limit.

(**) Measurement data using quasi-peak detection is under the quasi-peak limit and data using average detection is under the average limit.

MEASUREMENT OF CONDUCTED VOLTAGE EMISSIONS

Temp./Humidity/Atm. Pressure : 23 °C/ 58 %RH/ 29.5 in Hg
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 Enterprise Co., Ltd.
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Basic Standard / Class : CFR Title 47, Pt. 18 / Class B
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Bandwidth : 200 Hz for measurements 9 kHz to 150 kHz
 9kHz for measurements 150 kHz to 30 MHz
Line : L2

Frequency	Meter Reading	Cable Loss	Trans-ducer Factor	Measured Intensity	Quasi-Peak Limit	Margin
MHz	dB(μV)	dB	dB	dB(μV)	dB(μV)	dB(μV)
.45731	46.30 pk	.10	.10	46.50*	48.00	-1.5
.51942	47.20 pk	.10	0.00	47.30*	48.00	-0.7
.58337	47.20 pk	.10	0.00	47.30*	48.00	-0.7
.74779	42.00 pk	.20	0.00	42.20*	48.00	-5.8
.4546	43.87 qpk	.10	.10	44.07*	48.00	-3.93
.5199	44.24 qpk	.10	0.00	44.34*	48.00	-3.66
.5832	44.79 qpk	.10	0.00	44.89*	48.00	-3.11
.7471	38.73 qpk	.20	0.00	38.93*	48.00	-9.07

(*) Measurement data using peak or quasi-peak detection is under the quasi-peak limit.

(**) Measurement data using quasi-peak detection is under the quasi-peak limit and data using average detection is under the average limit.