

no emissions found 30MHz to 2300MHz	OTHER:	251
above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG		
below 1GHz: RBW & VBW 100 kHz for Pk; RBW 100kHz and VBW 10Hz for AVG		
CF = Antenna Factor + Cable Loss - Preamplifier Gain + Presetector Loss		

[illegible]

[illegible]

TUV America
Conducted Emissions

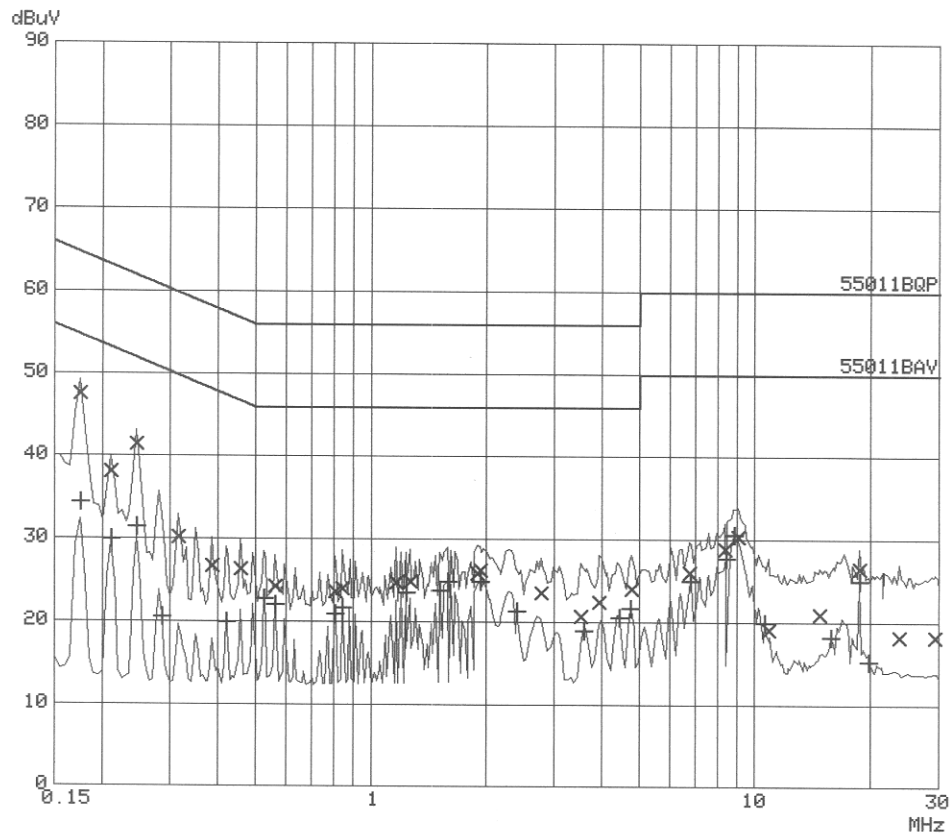
EUT: Viper Net
Manuf: Data Logic
Op Cond: Transmit Chan 2
Operator: Frank Harkins
Test Spec: EN55011
Comment: 115VAC 60Hz Line 1
SC503406
Date: 09. May 05 11:04

Scan Settings (1 Range)

----- Frequencies -----			----- Receiver Settings -----					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	30M	5k	10k	PK+AV	20ms	AUTO	LN OFF	60dB

Transducer No.	Start	Stop	Name
1	10k	30M	20dBLISN

Final Measurement: x QP / + AV
Meas Time: 1 s
Subranges: 25
Acc Margin: 35dB



TUV America
Conducted Emissions

EUT: Viper Net
 Manuf: Data Logic
 Op Cond: Transmit Chan 2
 Operator: Frank Harkins
 Test Spec: EN55011
 Comment: 115VAC 60Hz Line 1
 SC503406
 Date: 09. May 05 11:04

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.17500	47.6	64.7
0.21000	38.1	63.2
0.24500	41.5	61.9
0.31500	30.2	59.8
0.38500	26.7	58.1
0.45500	26.4	56.8
0.56000	24.3	56.0
0.80500	23.6	56.0
0.84000	24.1	56.0
1.16000	24.8	56.0
1.26500	24.9	56.0
1.89500	25.9	56.0
1.93000	26.3	56.0
2.77500	23.5	56.0
3.51500	20.6	56.0
3.93500	22.4	56.0
4.78000	24.0	56.0
6.75000	26.0	60.0
8.36500	28.9	60.0
9.07000	30.4	60.0
10.89500	19.1	60.0
14.75000	20.9	60.0
18.66000	26.6	60.0
23.73500	18.2	60.0
29.28500	18.2	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.17500	34.4	54.7
0.21000	30.0	53.2
0.24500	31.4	51.9
0.28500	20.6	50.7
0.42000	20.0	47.5
0.52500	22.8	46.0
0.56000	22.1	46.0
0.80500	21.0	46.0
0.84000	21.7	46.0
1.23000	23.5	46.0
1.51000	23.7	46.0
1.58000	24.9	46.0
1.93000	24.9	46.0

Date: 09. May 05 11:04

2.39000	21.3	46.0
3.58500	19.0	46.0
4.43000	20.6	46.0
4.74500	21.7	46.0
6.78500	25.0	50.0
8.40500	27.7	50.0
8.86000	30.6	50.0
10.62000	19.9	50.0
15.80000	18.2	50.0
18.66000	25.1	50.0
19.75000	15.3	50.0

* limit exceeded

TUV America Conducted Emissions

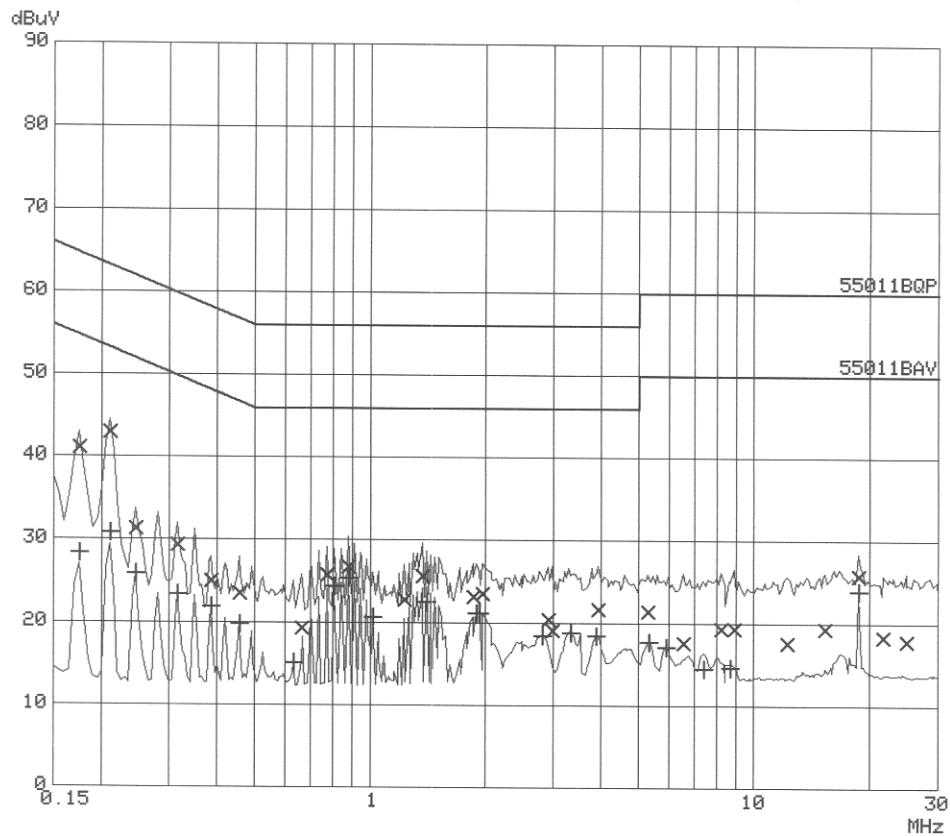
EUT: Viper Net
 Manuf: Data Logic
 Op Cond: Transmit Chan 2
 Operator: Frank Harkins
 Test Spec: EN55011
 Comment: 115VAC 60Hz Line 2
 SC503406
 Date: 09. May 05 11:19

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamplifier	OpRge
150k	30M	5k	10k	PK+AV	20ms	AUTO	LN OFF	60dB

Transducer No.	Start	Stop	Name
1	10k	30M	20dB LISN

Final Measurement: x QP / + AV
 Meas Time: 1 s
 Subranges: 25
 Acc Margin: 35dB



TUV America
Conducted Emissions

EUT: Viper Net
 Manuf: Data Logic
 Op Cond: Transmit Chan 2
 Operator: Frank Harkins
 Test Spec: EN55011
 Comment: 115VAC 60Hz Line 2
 SC503406
 Date: 09. May 05 11:19

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.17500	41.2	64.7
0.21000	43.0	63.2
0.24500	31.3	61.9
0.31500	29.3	59.8
0.38500	25.1	58.1
0.45500	23.5	56.8
0.66000	19.4	56.0
0.77000	25.7	56.0
0.87500	26.7	56.0
1.22500	22.8	56.0
1.36500	25.6	56.0
1.85500	23.2	56.0
1.96000	23.6	56.0
2.91000	20.5	56.0
2.98000	19.1	56.0
3.92500	21.7	56.0
5.29000	21.4	60.0
6.53500	17.6	60.0
8.23500	19.3	60.0
8.86500	19.3	60.0
12.20000	17.6	60.0
15.31000	19.4	60.0
18.66000	25.7	60.0
21.65000	18.3	60.0
24.89500	17.9	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.17500	28.4	54.7
0.21000	30.9	53.2
0.24500	25.9	51.9
0.31500	23.4	49.8
0.38500	21.9	48.1
0.45500	19.9	46.8
0.63000	15.1	46.0
0.80500	24.4	46.0
0.87500	25.4	46.0
1.01500	20.7	46.0
1.40000	22.6	46.0
1.89000	21.2	46.0
1.92500	21.2	46.0

Date: 09. May 05 11:19

2.80000	18.5	46.0
3.32500	18.9	46.0
3.89000	18.5	46.0
5.32500	17.7	50.0
5.92000	17.1	50.0
7.42500	14.5	50.0
8.65000	14.7	50.0
18.66000	23.9	50.0

* limit exceeded

TUV America
Conducted Emissions

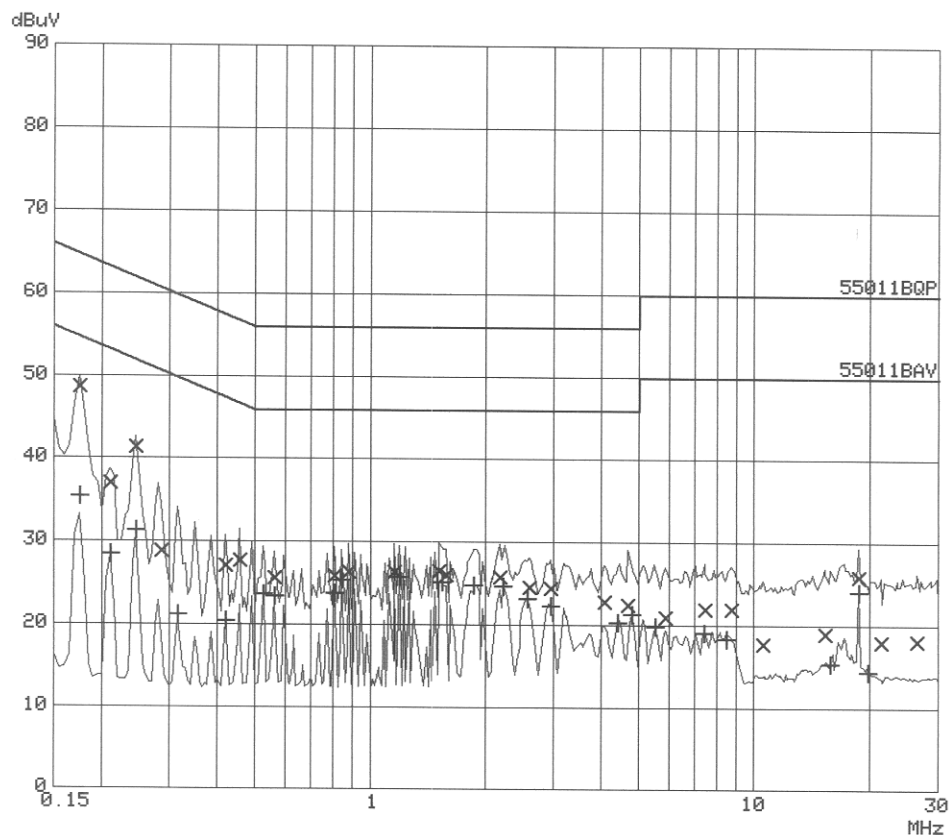
EUT: Viper Net
Manuf: Data Logic
Op Cond: Receive Chan 2
Operator: Frank Harkins
Test Spec: EN55011
Comment: 115VAC 60Hz Line 1
SC503406
Date: 09. May 05 10:47

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	30M	5k	10k	PK+AV	20ms	AUTO	LN OFF	60dB

Transducer No.	Start	Stop	Name
1	10k	30M	20dBLISN

Final Measurement: x QP / + AV
Meas Time: 1 s
Subranges: 25
Acc Margin: 35dB



TUV America
 Conducted Emissions
 EUT: Viper Net
 Manuf: Data Logic
 Op Cond: Receive Chan 2
 Operator: Frank Harkins
 Test Spec: EN55011
 Comment: 115VAC 60Hz Line 1
 SC503406
 Date: 09. May 05 10:47

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.17500	48.7	64.7
0.21000	37.0	63.2
0.24500	41.3	61.9
0.28500	28.9	60.7
0.42000	27.2	57.5
0.45500	27.7	56.8
0.56000	25.6	56.0
0.80500	25.9	56.0
0.87500	26.4	56.0
1.15500	26.3	56.0
1.50500	26.5	56.0
1.57500	26.0	56.0
2.17500	25.8	56.0
2.59500	24.6	56.0
2.94500	24.3	56.0
4.07000	22.8	56.0
4.70000	22.4	56.0
5.89000	21.0	60.0
7.44000	22.0	60.0
8.74000	21.9	60.0
10.54000	17.7	60.0
15.26000	18.9	60.0
18.66000	25.9	60.0
21.37500	17.9	60.0
26.53000	18.1	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.17500	35.4	54.7
0.21000	28.5	53.2
0.24500	31.3	51.9
0.31500	21.2	49.8
0.42000	20.5	47.5
0.52500	23.7	46.0
0.56000	23.4	46.0
0.80500	23.8	46.0
0.84000	25.4	46.0
1.19000	25.8	46.0
1.54000	25.2	46.0
1.86000	24.7	46.0
2.21000	24.7	46.0

Date: 09. May 05 10:47

2.56000	23.2	46.0
2.94500	22.3	46.0
4.42000	20.3	46.0
4.80500	21.3	46.0
5.51000	19.8	50.0
7.40500	19.1	50.0
8.49000	18.4	50.0
15.76000	15.4	50.0
18.66000	24.0	50.0
19.76000	14.3	50.0

* limit exceeded

TUV America
Conducted Emissions

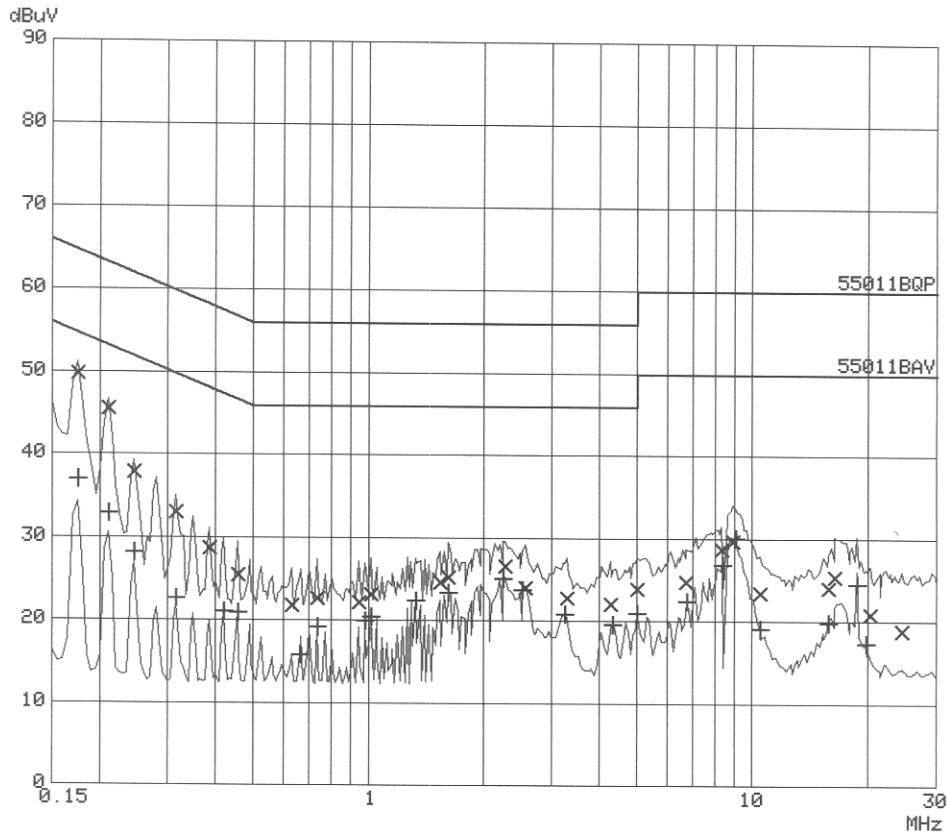
EUT: Viper Net
Manuf: Data Logic
Op Cond: Receive Chan 2
Operator: Frank Harkins
Test Spec: EN55011
Comment: 115VAC 60Hz Line 2
SC503406
Date: 09. May 05 10:13

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
150k	30M	5k	10k	PK+AV	20ms	AUTO	LN OFF	60dB

Transducer No.	Start	Stop	Name
1	10k	30M	20dB LISN

Final Measurement: x QP / + AV
Meas Time: 1 s
Subranges: 25
Acc Margin: 35dB



TUV America
 Conducted Emissions
 EUT: Viper Net
 Manuf: Data Logic
 Op Cond: Receive Chan 2
 Operator: Frank Harkins
 Test Spec: EN55011
 Comment: 115VAC 60Hz Line 2
 SC503406
 Date: 09. May 05 10:13

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.17500	49.8	64.7
0.21000	45.5	63.2
0.24500	37.9	61.9
0.31500	33.0	59.8
0.38500	28.7	58.1
0.45500	25.5	56.8
0.63000	21.8	56.0
0.73500	22.7	56.0
0.94500	22.1	56.0
1.01500	23.2	56.0
1.54000	24.6	56.0
1.61000	25.2	56.0
2.27500	26.6	56.0
2.55500	24.0	56.0
3.29000	22.9	56.0
4.27000	22.0	56.0
5.00500	23.9	56.0
6.72000	24.8	60.0
8.33000	28.8	60.0
8.88500	29.7	60.0
10.46500	23.4	60.0
15.79500	24.0	60.0
16.32000	25.3	60.0
20.27000	20.9	60.0
24.40000	18.9	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.17500	37.0	54.7
0.21000	33.0	53.2
0.24500	28.2	51.9
0.31500	22.6	49.8
0.42000	21.1	47.5
0.45500	20.9	46.8
0.66000	15.9	46.0
0.73500	19.2	46.0
0.98000	19.9	46.0
1.01500	20.5	46.0
1.33000	22.4	46.0
1.61000	23.4	46.0
2.24000	25.2	46.0

Date: 09. May 05 10:13

2.52000	23.8	46.0
3.25500	20.8	46.0
4.34000	19.5	46.0
5.00500	20.9	46.0
6.75500	22.4	50.0
8.36500	26.9	50.0
9.06500	30.1	50.0
10.46500	19.1	50.0
15.79500	19.8	50.0
18.66000	24.6	50.0
19.74500	17.3	50.0

* limit exceeded

4.0 ATTESTATION STATEMENT

GENERAL REMARKS:

SUMMARY:

All tests were performed per CFR 47, Part(s) 15.107(a), 15.109(a), 15.209(a), 15.247(a), 15.247(b), and 15.247(c)

■ - Performed

The Equipment Under Test

■ - **Fulfills** the requirements of CFR 47, Part(s) 15.107(a), 15.109(a), 15.209(a), 15.247(a), 15.247(b), and 15.247(c)

Testing Start Date: 20 April 2005

Testing End Date: 24 May 2005

- TÜV AMERICA, INC. -

Responsible Engineer:



David Gray
(EMC Engineer in Charge)

Responsible Engineer:



Frank Harkins
(EMC Engineer)