



EMC TEST REPORT

Report No. : EME-030310

Model No. : XI-835C

Issued Date : Mar. 24, 2003

Applicant : Z-COM, Inc.
**7F-2, No. 9, Prosperity 1st RD., Science-Based
Industrial Park, Hsinchu, Taiwan**

Test By : Intertek Testing Services Taiwan Ltd.
**No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,
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Project Engineer

Jerry Liu

Reviewed By

Elton Chen



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Summary of Tests

CF Card-Model: XI-835C

FCC ID: M4Y-0835C

Test	Reference	Results
Minimum 6dB Bandwidth test	15.247(a)(2)	Complies
Maximum Output Power test	15.247(b)	Complies
Radiated Spurious Emission test	15.205, 15.209	Complies
Power Spectrum Density test	15.247(d)	Complies
Power Line Conducted Emission test	15.207	Complies



1. General information

1.1 Identification of the EUT

Applicant	: Z-COM, Inc.
Product	: CF Card
Model No.	: XI-835C
FCC ID.	: M4Y-0835C
Frequency Range	: 2412~2462 MHz
Channel Number	: 11 Channels
Frequency of Each Channel	: 2412MHz, 2417MHz, 2422MHz, 2427MHz, 2432MHz, 2437MHz, 2442MHz, 2447MHz, 2452MHz, 2457MHz, 2462MHz
Type of Modulation	: CCK (11Mps, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps)
Power Supply	: 3.3Vdc from notebook
Power Cord	: N/A
Sample Received	: Mar. 4, 2003
Test Date(s)	: Mar. 5, 2003 to Mar. 18, 2003

A FCC DoC report has been generated for the client.

1.2 Additional information about the EUT

The EUT can be operated in Ad-Hoc or Infrastructure network configurations. *Ad-Hoc mode* allows 11Mbps Wireless LAN CF Card users to join a Basic Service Set (i.e., peer-to-peer mode, without access point). *Infrastructure mode* allows 11Mbps Wireless LAN CF Card users to join an Extended Basic Service Set (i.e., connect to access point).

For more detail features, please refer to User's manual as file name "Installation guide.pdf"



1.3 Antenna description

The EUT uses a permanently connected antenna.

Antenna Gain : 0dBi

Antenna Type : PIFA

Connector Type : N/A

1.4 Peripherals equipment

Peripherals	Manufacturer	Product No.	Serial No.	FCC ID
Notebook	HP	XE ₃	TW20705468	FCC DoC Approved
Printer	HP	C2642A	TH86K1N2ZB	FCC DoC Approved
Modem	Dynalink	V1456VQE	00V230A00051494	FCC DoC Approved
Access Point	Z-COM	XI-1450	AF16001-00242	FCC DoC Approved



2. Test specifications

2.1 Test standard

The EUT was performed according to the procedures in FCC Part 15 Subpart C Section §15.205, §15.207, §15.209, §15.247 and ANSI C63.4/1992.

The AC power conducted emissions was investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz. (15.207 paragraph)

Radiated emissions were investigated cover the frequency range from 30MHz to 1000MHz using a receiver RBW of 120kHz record QP reading, and the frequency over 1GHz using a spectrum analyzer RBW of 1MHz and 10Hz VBW record Average reading. (15.209 paragraph), the Peak reading recorded also on the report.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band were all meet limit requirement, thus we evaluate the EUT pass the specified test.

The EUT setup configurations please refer to the photo of test configuration in item.

2.2 Operation mode

Settle the EUT into Notebook via PCMCIA interface extended card. Run the test program "PRISM test Utility" under Windows OS, provided by manufacturer and run the test program "go.bat" which is a auto R/W program.

The EUT was transmitted continuously during the test.



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2.3 Test equipment

Equipment	Brand	Frequency range	Model No.	Series No.	Last Cal.Date
EMI Test Receiver	Rohde & Schwarz	9kHz~2.75GHz	ESCS 30	825788/014	May 24, 2002
EMI Test Receiver	Rohde & Schwarz	20Hz~26.5GHz	ESMI	825428/005	June 10, 2002
Spectrum Analyzer	Rohde & Schwarz	9kHz~30GHz	FSP 30	100137	July 10, 2002
Spectrum Analyzer	Rohde & Schwarz	20Hz~40GHz	FSEK 30	100186	Oct. 9, 2002
Horn Antenna	EMCO	1GHz~18GHz	3115	9906-5890	Sep. 19, 2002
Horn Antenna	SCHWARZBECK	14GHz~40GHz	BBHA 9170	159	June 20, 2002
Bilog Antenna	SCHWARZBECK	25MHz~1.7GHz	VULB 9160	3111	June 20, 2002
Turn Table	HDGmbH	N/A	DS 420S	420/669/01	N/A
Antenna Tower	HDGmbH	N/A	MA 240	240/573	N/A
Microwave Amplifier	Agilent	2GHz~26.5GHz	8348A	3111A00567	Dec. 20, 2002
RF Power Meter	Boonton	10kHz~100GHz	4231A	79401	May 22, 2002
Power Sensor	Boonton	30MHz~8GHz	51011-EMC	32482	May 25, 2002

Note:

1. The calibration interval of the above instruments is 12 months.



3. Minimum 6dB Bandwidth test

3.1 Operating environment

Temperature: 25
Relative Humidity: 60 %
Atmospheric Pressure 1023 hPa

3.2 Test setup & procedure

The minimum 6dB bandwidth per FCC §15.247(a)(2) was measured using a 50 ohm spectrum analyzer with the resolutions bandwidth set at 100kHz, the video bandwidth set at 100kHz, and the SPAN>>RBW. The test was performed at 3 channels (lowest, middle and highest channel). The minimum 6-dB modulation bandwidth is in the following Table.

See Minimum 6dB Bandwidth plot as file name “Minimum 6dB Bandwidth plot.pdf”

3.3 Measured data of Minimum 6dB Bandwidth test results

Channel	Frequency (MHz)	Bandwidth (MHz)	Limit
Low	2412	9.098	> 500kHz
Middle	2437	8.377	> 500kHz
High	2462	8.457	> 500kHz



4. Maximum Output Power test

4.1 Operating environment

Temperature: 22
Relative Humidity: 60 %
Atmospheric Pressure 1023 hPa

4.2 Test setup & procedure

The power output per FCC §15.247(b) was measured on the EUT using a 50 ohm SMA cable connected to power meter via power sensor. Power was read directly and cable loss correction (0.5dB) was added to the reading to obtain power at the EUT antenna terminals. The test was performed at 3 channels (lowest, middle and highest channel).

4.3 Measured data of Maximum Output Power test results

Channel	Frequency (MHz)	C.B.L. (dB)	Reading (dBm)	Power Output		Limit (W)
				(dBm)	(mW)	
Lowest	2412	0.5	16.04	16.54	45.08	1
Middle	2437	0.5	15.66	16.16	41.30	1
Highest	2462	0.5	15.19	15.69	37.06	1

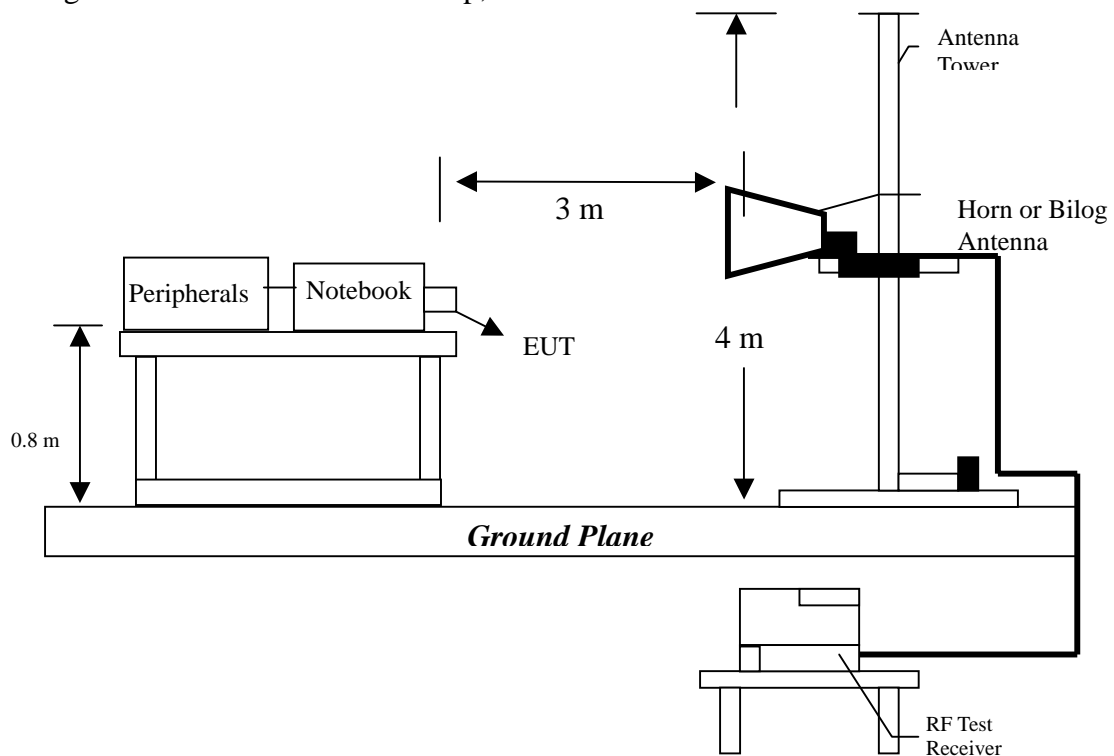
5. Radiated Emission test

5.1 Operating environment

Temperature:	25	
Relative Humidity:	60	%
Atmospheric Pressure	1023	hPa

5.2 Test setup & procedure

The Diagram below shows the test setup, which is utilized to make these measurements.



Radiated emission measurements were performed from 30MHz to 25GHz. Spectrum Analyzer Resolution Bandwidth is 100kHz or greater for frequencies 30MHz to 1GHz, 1MHz – for frequencies above 1GHz.

The EUT for testing is arranged on a wooden turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.



5.3 Emission limits

The spurious Emission shall test through the 10th harmonic. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a).

Frequency (MHz)	Limits (dB μ V/m@3m)
30-88	40
88-216	43.5
216-960	46
Above 960	54

Remark:

1. In the above table, the tighter limit applies at the band edges.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system

Uncertainty was calculated in accordance with NAMAS NIS 81.

Expanded uncertainty (k=2) of radiated emission measurement is ± 4.98 dB.

Expanded uncertainty (k=2) of conducted emission measurement is ± 2.02 dB.



5.4 Radiated spurious emission test data

5.4.1 Measurement results: frequencies equal to or less than 1 GHz

EUT : XI-835C
Test Condition : Tx at low channel

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)
165.8000	QP	V	9.51	22.29	31.80	43.50	-11.70
400.5000	QP	V	10.93	26.77	37.70	46.00	-8.30
532.5000	QP	V	12.41	28.39	40.80	46.00	-5.20
600.4000	QP	V	11.73	28.97	40.70	46.00	-5.30
610.1000	QP	V	11.78	27.92	39.70	46.00	-6.30
666.3000	QP	V	12.05	27.05	39.10	46.00	-6.90
198.8000	QP	H	9.71	25.79	35.50	43.50	-8.00
286.1000	QP	H	10.16	26.74	36.90	46.00	-9.10
309.4000	QP	H	10.31	26.29	36.60	46.00	-9.40
332.6000	QP	H	10.47	27.13	37.60	46.00	-8.40
398.6000	QP	H	10.91	31.49	42.40	46.00	-3.60
466.5000	QP	H	12.13	25.97	38.10	46.00	-7.90

Remark:

1. Corrected Level = Reading Level + Correction Factor
2. Correction Factor = Antenna Factor + Cable Loss
3. “-“ means the emission is below the noise floor.



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EUT : XI-835C
Test Condition : Tx at middle channel

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)
132.8000	QP	V	9.32	21.08	30.40	43.50	-13.10
398.6000	QP	V	10.91	25.69	36.60	46.00	-9.40
462.6000	QP	V	12.06	27.34	39.40	46.00	-6.60
530.5000	QP	V	12.43	29.67	42.10	46.00	-3.90
598.4000	QP	V	11.74	28.66	40.40	46.00	-5.60
666.3000	QP	V	12.05	29.25	41.30	46.00	-4.70
249.2000	QP	H	9.94	29.96	39.90	46.00	-6.10
299.7000	QP	H	10.25	25.85	36.10	46.00	-9.90
332.6000	QP	H	10.47	27.23	37.70	46.00	-8.30
400.5000	QP	H	10.93	29.87	40.80	46.00	-5.20
466.5000	QP	H	12.13	26.77	38.90	46.00	-7.10
530.5000	QP	H	12.43	25.97	38.40	46.00	-7.60

Remark:

1. Corrected Level = Reading Level + Correction Factor
2. Correction Factor = Antenna Factor + Cable Loss
3. “-“ means the emission is below the noise floor.



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EUT : XI-835C
Test Condition : Tx at high channel

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)
132.8000	QP	V	9.32	23.48	32.80	43.50	-10.70
309.4000	QP	V	10.31	25.69	36.00	46.00	-10.00
398.6000	QP	V	10.91	26.99	37.90	46.00	-8.10
532.5000	QP	V	12.41	27.79	40.20	46.00	-5.80
579.0000	QP	V	11.94	27.76	39.70	46.00	-6.30
600.4000	QP	V	11.73	26.67	38.40	46.00	-7.60
198.8000	QP	H	9.71	26.09	35.80	43.50	-7.70
249.2000	QP	H	9.94	27.36	37.30	46.00	-8.70
332.6000	QP	H	10.47	26.43	36.90	46.00	-9.10
398.6000	QP	H	10.91	31.69	42.60	46.00	-3.40
466.5000	QP	H	12.13	25.87	38.00	46.00	-8.00
532.5000	QP	H	12.41	25.19	37.60	46.00	-8.40

Remark:

1. Corrected Level = Reading Level + Correction Factor
2. Correction Factor = Antenna Factor + Cable Loss
3. “-“ means the emission is below the noise floor.



5.4.2 Measurement results: frequency above 1GHz

The radiated spurious emissions at

Frequency(MHz)	Margin
7236	-4.94
9648	-0.528
9648	-0.848

are less than uncertainty. This is within the stated measurement uncertainty, this may affect compliance determined in other test arrangements.

EUT : XI-835C
Test Condition : Tx at low channel

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)
4824	PK	V	32.496	35.47	48.91	51.884	74	-22.116
4824	AV	V	32.496	35.47	34.14	37.114	54	-16.886
7236	PK	V	34.32	38.42	54.66	58.76	74	-15.24
7236	AV	V	34.32	38.42	44.96	49.06	54	-4.94
9648	PK	V	35.808	41.35	52.45	57.992	74	-16.008
9648	AV	V	35.808	41.35	47.93	53.472	54	-0.528
12060	PK	V	35.4	43.38	-	-	74	-
12060	AV	V	35.4	43.38	-	-	54	-
4824	PK	H	32.496	35.47	50.84	53.814	74	-20.186
4824	AV	H	32.496	35.47	36.84	39.814	54	-14.186
7236	PK	H	34.32	38.42	51.76	55.86	74	-18.14
7236	AV	H	34.32	38.42	40.75	44.85	54	-9.15
9648	PK	H	35.808	41.35	52.86	58.402	74	-15.598
9648	AV	H	35.808	41.35	47.61	53.152	54	-0.848
12060	PK	H	35.4	43.38	-	-	74	-
12060	AV	H	35.4	43.38	-	-	54	-

Remark:

1. Corrected Level = Reading Level + Correction Factor - Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-“ means the emission is below the noise floor.



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The radiated spurious emissions at

Frequency(MHz)	Margin
9748	-4.938

are less than uncertainty. This is within the stated measurement uncertainty, this may affect compliance determined in other test arrangements.

EUT : XI-835C

Test Condition : Tx at middle channel

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)
4874	PK	V	32.496	35.47	47.61	50.584	74	-23.416
4874	AV	V	32.496	35.47	36.69	39.664	54	-14.336
7311	PK	V	34.32	38.42	51.49	55.59	74	-18.41
7311	AV	V	34.32	38.42	39.79	43.89	54	-10.11
9748	PK	V	35.808	41.35	50.15	55.692	74	-18.308
9748	AV	V	35.808	41.35	43.52	49.062	54	-4.938
12185	PK	V	35.4	43.38	-	-	74	-
12185	AV	V	35.4	43.38	-	-	54	-
4874	PK	H	32.496	35.47	43.8	46.774	74	-27.226
4874	AV	H	32.496	35.47	35.66	38.634	54	-15.366
7311	PK	H	34.32	38.42	47.26	51.36	74	-22.64
7311	AV	H	34.32	38.42	34.73	38.83	54	-15.17
9748	PK	H	35.808	41.35	49.83	55.372	74	-18.628
9748	AV	H	35.808	41.35	43.24	48.782	54	-5.218
12185	PK	H	35.4	43.38	-	-	74	-
12185	AV	H	35.4	43.38	-	-	54	-

Remark:

1. Corrected Level = Reading Level + Correction Factor - Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. “-“ means the emission is below the noise floor.



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EUT : XI-835C
Test Condition : Tx at high channel

Frequency (MHz)	Spectrum Analyzer Detector	Antenna Polariz. (H/V)	Preamp (dB)	Correction Factor (dB/m)	Reading (dBuV)	Corrected Level (dBuV)	Limit @ 3 m (dBuV)	Margin (dB)
4924	PK	V	32.496	35.47	49.46	52.434	74	-21.566
4924	AV	V	32.496	35.47	41.39	44.364	54	-9.636
7386	PK	V	34.32	38.42	45.48	49.58	74	-24.42
7386	AV	V	34.32	38.42	32.74	36.84	54	-17.16
9848	PK	V	35.919	41.55	49.91	55.541	74	-18.459
9848	AV	V	35.919	41.55	41.93	47.561	54	-6.439
12310	PK	V	35.315	43.75	-	-	74	-
12310	AV	V	35.315	43.75	-	-	54	-
4924	PK	H	32.496	35.47	49.82	52.794	74	-21.206
4924	AV	H	32.496	35.47	41.43	44.404	54	-9.596
7386	PK	H	34.32	38.42	46.24	50.34	74	-23.66
7386	AV	H	34.32	38.42	31.65	35.75	54	-18.25
9848	PK	H	35.919	41.55	48.68	54.311	74	-19.689
9848	AV	H	35.919	41.55	41.01	46.641	54	-7.359
12310	PK	H	35.315	43.75	-	-	74	-
12310	AV	H	35.315	43.75	-	-	54	-

Remark:

1. Corrected Level = Reading Level + Correction Factor - Preamp
2. Correction Factor = Antenna Factor + Cable Loss
3. "-" means the emission is below the noise floor.



6. Power Spectrum Density test

6.1 Operating environment

Temperature: 22
Relative Humidity: 54 %
Atmospheric Pressure 1023 hPa

6.2 Test setup & procedure

The power spectrum density per FCC § 15.247(d) was measured from the antenna port of the EUT using a 50ohm spectrum analyzer with the resolution bandwidth set at 3kHz, the video bandwidth set at 10kHz, a span of 1.5 MHz, and the sweep time set at 500 seconds. Power Density was read directly and cable loss (0.5dB) correction was added to the reading to obtain power at the EUT antenna terminals. The test was performed at 3 channels (lowest, middle and highest channel). The Power Spectral Density measured result is in the following table.

See Power Spectrum Density plot as file name “Power Spectrum Density plot.pdf”

6.3 Measured data of Power Spectrum Density test results

Channel	Frequency (MHz)	Measured level (dBm)	Limit (dBm)
Low	2410.41	-6.3	8
Middle	2435.41	-6.96	8
High	2460.41	-7.59	8



7. Emission on the band edge §FCC 15.247(C)

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

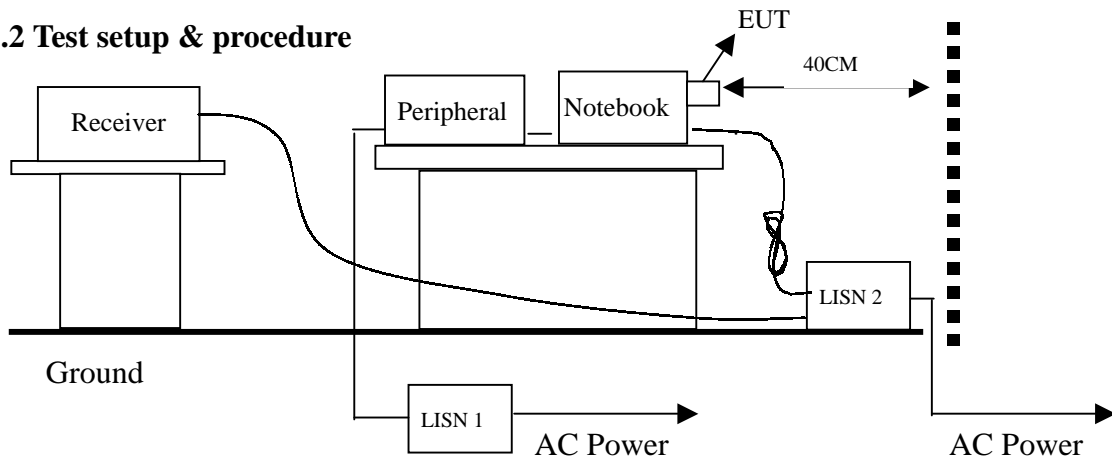
See band-edge plot as file name "Band-edge plot.pdf".

8. Power Line Conducted Emission test §FCC 15.207

8.1 Operating environment

Temperature: 20
 Relative Humidity: 55 %
 Atmospheric Pressure 1023 hPa

8.2 Test setup & procedure



The EUT are connected to the main power through a line impedance stabilization network (LISN). This provides a 50 ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. Both sides (Line and Neutral) of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4/1992 on conducted measurement. The bandwidth of the field strength meter (R & S Test Receiver ESCS 30) is set at 9kHz.

See Power Line Conducted Emission plot as file name “Power Line Conducted Emission plot.pdf”.

Emission Limit

Freq. (MHz)	Conducted Limit (dBuV)	
	Q.P.	Ave.
0.15~0.50	66 – 56*	56 – 46*
0.50~5.00	56	46
5.00~30.0	60	50

*Decreases with the logarithm of the frequency.



8.3 Power Line Conducted Emission test data

(1) Line

EUT : XI-835C

Test Condition : Tx at low channel

Freq. (MHz)	Reading (dB μ V) QP	Limit (dB μ V) QP	Reading (dB μ V) AV	Limit (dB μ V) AV	Margin (dB)	
					QP	AV
0.15000	38.60	66.00	14.70	56.00	-27.40	-41.30
0.20600	44.40	63.37	34.80	53.37	-18.97	-18.57
0.27000	40.50	61.12	32.40	51.12	-20.62	-18.72
0.40600	32.60	57.73	28.20	47.73	-25.13	-19.53
2.83800	32.90	56.00	27.00	46.00	-23.10	-19.00
3.11000	32.70	56.00	26.90	46.00	-23.30	-19.10

(2) Neutral

EUT : XI-835C

Test Condition : Tx at low channel

Freq. (MHz)	Reading (dB μ V) QP	Limit (dB μ V) QP	Reading (dB μ V) AV	Limit (dB μ V) AV	Margin (dB)	
					QP	AV
0.20600	44.70	63.37	34.40	53.37	-18.67	-18.97
0.27000	42.20	61.12	32.10	51.12	-18.92	-19.02
0.40600	32.60	57.73	25.50	47.73	-25.13	-22.23
1.75800	30.90	56.00	27.20	46.00	-25.10	-18.80
2.23000	31.80	56.00	27.30	46.00	-24.20	-18.70
2.97400	33.50	56.00	28.20	46.00	-22.50	-17.80

Remark:

1. 1. The reading value included cable loss and LISN factor.

2. Uncertainty was calculated in accordance with NAMAS NIS 81.

Expanded uncertainty (k=2) of conducted emission measurement is ± 2.6 dB.



(1) Line

EUT : XI-835C
Test Condition : Tx at middle channel

Freq. (MHz)	Reading (dB μ V) QP	Limit (dB μ V) QP	Reading (dB μ V) AV	Limit (dB μ V) AV	Margin (dB)	
					QP	AV
0.15000	38.20	66.00	14.80	56.00	-27.80	-41.20
0.19800	42.20	63.69	32.30	53.69	-21.49	-21.39
0.27000	40.50	61.12	32.10	51.12	-20.62	-19.02
0.40600	33.20	57.73	26.60	47.73	-24.53	-21.13
2.50200	30.10	56.00	26.90	46.00	-25.90	-19.10
3.11000	31.90	56.00	24.60	46.00	-24.10	-21.40

(2) Neutral

EUT : XI-835C
Test Condition : Tx at middle channel

Freq. (MHz)	Reading (dB μ V) QP	Limit (dB μ V) QP	Reading (dB μ V) AV	Limit (dB μ V) AV	Margin (dB)	
					QP	AV
0.15000	37.20	66.00	14.40	56.00	-28.80	-41.60
0.20600	44.70	63.37	34.30	53.37	-18.67	-19.07
0.34200	33.50	59.15	24.00	49.15	-25.65	-25.15
0.40600	34.10	57.73	27.30	47.73	-23.63	-20.43
2.33600	17.10	56.00	6.10	46.00	-38.90	-39.90
2.97400	29.00	56.00	23.40	46.00	-27.00	-22.60

Remark:

1. The reading value included cable loss and LISN factor.
2. Uncertainty was calculated in accordance with NAMAS NIS 81.

Expanded uncertainty (k=2) of conducted emission measurement is ± 2.6 dB.



(1) Line

EUT : XI-835C
Test Condition : Tx at high channel

Freq. (MHz)	Reading (dB μ V) QP	Limit (dB μ V) QP	Reading (dB μ V) AV	Limit (dB μ V) AV	Margin (dB)	
					QP	AV
0.20600	44.40	63.37	34.40	53.37	-18.97	-18.97
0.27000	40.00	61.12	31.50	51.12	-21.12	-19.62
0.40600	34.20	57.73	28.60	47.73	-23.53	-19.13
0.81400	24.90	56.00	21.40	46.00	-31.10	-24.60
2.43800	28.20	56.00	23.50	46.00	-27.80	-22.50
2.98200	27.60	56.00	22.90	46.00	-28.40	-23.10

(2) Neutral

EUT : XI-835C
Test Condition : Tx at high channel

Freq. (MHz)	Reading (dB μ V) QP	Limit (dB μ V) QP	Reading (dB μ V) AV	Limit (dB μ V) AV	Margin (dB)	
					QP	AV
0.20600	44.70	63.37	34.20	53.37	-18.67	-19.17
0.27000	39.40	61.12	30.70	51.12	-21.72	-20.42
0.40600	32.20	57.73	23.70	47.73	-25.53	-24.03
1.15000	26.10	56.00	21.50	46.00	-29.90	-24.50
2.91000	29.00	56.00	23.70	46.00	-27.00	-22.30
3.58200	26.60	56.00	11.90	46.00	-29.40	-34.10

Remark:

1. The reading value included cable loss and LISN factor.
2. Uncertainty was calculated in accordance with NAMAS NIS 81.

Expanded uncertainty (k=2) of conducted emission measurement is ± 2.6 dB.