

APPLICATION CERTIFICATION FCC Part 15C

On Behalf of
Cogent Systems Inc.

Mobile Ident IIIc
Model No.: Mi3c

FCC ID: TLDMI3C

Prepared for : Cogent Systems Inc.
Address : Fiyta Hi-tech Building, Gaoxinnanyi Avenue, Southern
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China

Prepared by : ACCURATE TECHNOLOGY CO. LTD
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Report Number : ATE20091159-2
Date of Test : July 9-17, 2009
Date of Report : July 22, 2009

TABLE OF CONTENTS

Description	Page
Test Report Certification	
1. GENERAL INFORMATION	4
1.1. Description of Device (EUT).....	4
1.2. Description of Test Facility	5
1.3. Measurement Uncertainty	5
2. MEASURING DEVICE AND TEST EQUIPMENT	6
3. OPERATION OF EUT DURING TESTING	7
3.1. Operating Mode	7
3.2. Configuration and peripherals	7
4. TEST PROCEDURES AND RESULTS	8
5. RADIATED FIELD STRENGTH EMISSIONS FOR FCC PART 15 SECTION 15.225(A)(B)(C)	9
5.1. Block Diagram of Test Setup.....	9
5.2. The Field Strength of Radiation Emission Measurement Limits.....	10
5.3. Configuration of EUT on Measurement	10
5.4. Operating Condition of EUT	10
5.5. Test Procedure	11
5.6. The Field Strength of Radiation Emission Measurement Results	12
6. RADIATED FIELD STRENGTH EMISSIONS FOR FCC PART 15 SECTION 15.225(D) ..	13
6.1. Block Diagram of Test Setup.....	13
6.2. The Field Strength of Radiation Emission Measurement Limits.....	15
6.3. Configuration of EUT on Measurement	15
6.4. Operating Condition of EUT	16
6.5. Test Procedure	16
6.6. The Field Strength of Radiation Emission Measurement Results	17
7. FREQUENCY STABILITY	20
7.1. The Requirement For section 15.225(e)	20
7.2. EUT Configuration on Measurement	20
7.3. Operating Condition of EUT	20
7.4. Test Procedure	20
7.5. Test Result	21
8. AC POWER LINE CONDUCTED EMISSION TEST FOR FCC PART 15 SECTION 15.207(A)	22
8.1. Block Diagram of Test Setup.....	22
8.2. The Emission Limit	22
8.3. Configuration of EUT on Measurement	23
8.4. Operating Condition of EUT	23
8.5. Test Procedure	23
8.6. Power Line Conducted Emission Measurement Results	24

Test Report Certification

Applicant : Cogent Systems Inc.
Manufacturer : Cogent Systems Inc.
EUT Description : Mobile Ident IIIc
(A) MODEL NO.: Mi3c
(B) SERIAL NO.: N/A

Measurement Procedure Used:

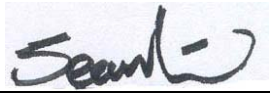
FCC Rules and Regulations Part 15 Subpart C Section 15.225
ANSI C63.4: 2003

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.225 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test : July 9-17, 2009

Prepared by : 
(Engineer)

Approved & Authorized Signer : 
(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Mobile Ident IIIc

The EUT include Bluetooth module, Wi-Fi module, GPRS module, GPS module and Contactless Card scanning module. The working frequency of GPS is higher than 960MHz, according to 15.101 b, the test needn't do. GPRS module and Bluetooth module have passed FCC test, the GPRS module FCC ID is N7NMC8775, the Bluetooth module FCC ID is TLDCS0907A. The test was performed with the Contactless Card scanning mode.

Model Number : Mi3c

Power Supply : DC 4.2V(Li-ion battery 1×) or DC 5V (Adapter input)
 Adapter : Model: DSA-30W-05 US 050200
 Input: 100-240V, 50/60Hz, 0.8A
 Output: DC 5V, 4A
 Output line: Non-shielded, non-detachable, 1.0m with three ferrite cores

USB Cable : Shielded, Detachable, 1.0m with three ferrite cores
 Applicant : Cogent Systems Inc.
 Address : Fiyta Hi-tech Building, Gaoxinnanyi Avenue, Southern District of Hi-tech Park, Nanshan District, Shenzhen China

Manufacturer : Cogent Systems Inc.
 Address : Fiyta Hi-tech Building, Gaoxinnanyi Avenue, Southern District of Hi-tech Park, Nanshan District, Shenzhen China

Contactless Card Transmitter

Frequency Band : 13.56MHz, 1 channel

Date of sample received : July 7, 2009

Date of Test : July 9-17, 2009

1.2. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC
The Registration Number is 752051

Listed by Industry Canada
The Registration Number is 5077A-2

Accredited by China National Accreditation Committee
for Laboratories
The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.
Science & Industry Park, Nanshan, Shenzhen, Guangdong
P.R. China

1.3. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2
(Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	03.28.2010
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	03.28.2010
Spectrum Analyzer	Agilent	E7405A	MY45115511	03.28.2010
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	03.30.2010
Loop Antenna	Schwarzbeck	FMZB1516	1516131	03.28.2010
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	03.28.2010
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	12.19.2009
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	10.09.2009
LISN	Rohde&Schwarz	ESH3-Z5	100305	03.28.2010
LISN	Schwarzbeck	NSLK8126	8126431	03.28.2010

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: Contactless Card Transmitting at 13.56MHz

3.2.Configuration and peripherals

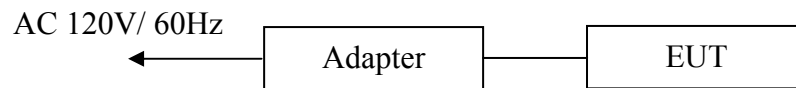


Figure 1 Setup: Transmitting mode

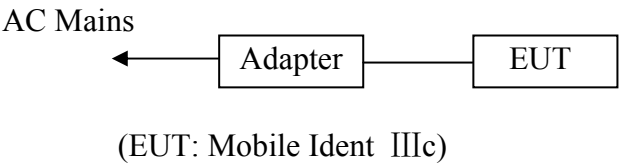
4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Contactless Card Transmitter		
Section 15.225(a)	Field Strength Emission within the band 13.553-13.567 MHz	Compliant
Section 15.225(b)	Field Strength Emission within the band 13.410-13.553 MHz and 13.567-13.710MHz	Compliant
Section 15.225(c)	Field Strength Emission within the band 13.110-13.410 MHz and 13.710-14.010MHz	Compliant
Section 15.225(d) Section 15.209	Field Strength Emission Outside the band 13.110-14.010MHz	Compliant
Section 15.225(e)	Frequency stability	Compliant
Section 15.207	AC Power Line Conducted Emission Test	Compliant

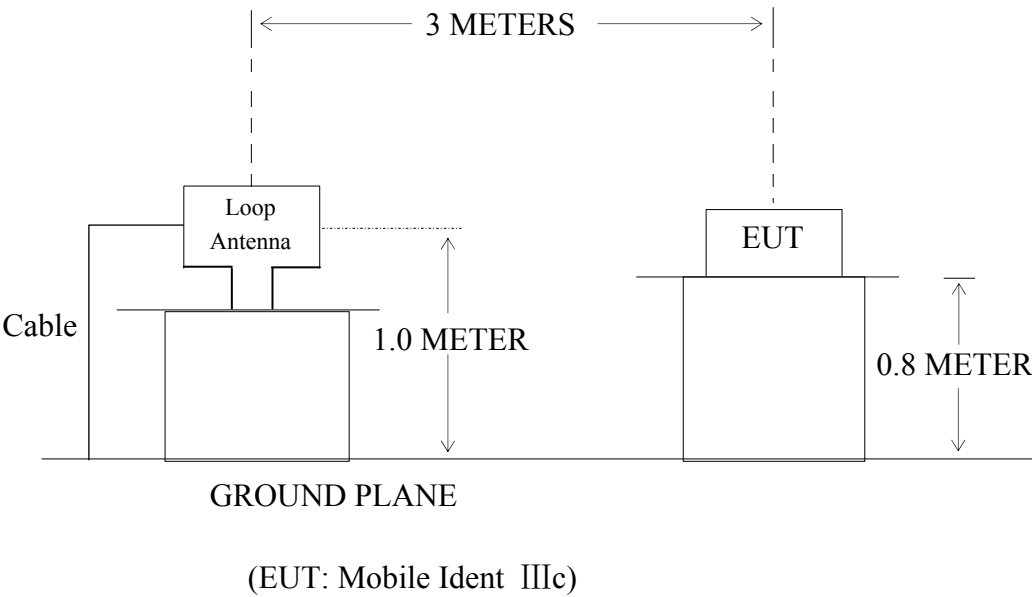
**5. RADIATED FIELD STRENGTH EMISSIONS FOR FCC PART
15 SECTION 15.225(A)(B)(C)**

5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



5.1.2. Semi-Anechoic Chamber Test Setup Diagram



5.2.The Field Strength of Radiation Emission Measurement Limits

5.2.1.Radiation Emission Measurement Limits According to section 15.225(a)(b)(c).

- (a) 15848 microvolts/m (84 dB μ V/m) at 30 m, within the band13.553-13.567 MHz.
- (b) 334 microvolts/m (50.5 dB μ V/m) at 30 m, within the bands 13.410-13.553 MHz and 13.567-13.710MHz.
- (c) 106 microvolts/m (40.5 dB μ V/m) at 30 m, within the bands 13.110-13.410 MHz and 13.710-14.010MHz.

Frequency (MHz)	Field Strength of Harmonics and Spurious Emissions
13.553-13.567	84 dBuV/m @ 30 meters or 124 dBuV/m @ 3 meters
13.410-13.553 MHz 13.567-13.710MHz	50.5 dBuV/m @ 30 meters or 90.5 dBuV/m @ 3 meters
13.110-13.410 MHz 13.710-14.010MHz	40.5 dBuV/m @ 30 meters or 80.5 dBuV/m @ 3 meters

5.3.Configuration of EUT on Measurement

The following equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.Mobile Ident IIIc (EUT)

Model Number : Mi3c
 Serial Number : N/A
 Manufacturer : Cogent Systems Inc.

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3. Let the EUT work in TX mode measure it.

5.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. A calibrated Loop antenna is used as receiving antenna. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C 63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver (R&S ESCS30) is set at 9kHz.

The frequency range 13.110 MHz to 14.010 MHz is investigated for radiated field strength emissions.

5.6.The Field Strength of Radiation Emission Measurement Results

PASS.

The frequency range 13.110 MHz to 14.010 MHz is investigated.

Date of Test:	July 16, 2009	Temperature:	25°C
EUT:	Mobile Ident IIIc	Humidity:	50%
Model No.:	Mi3c	Power Supply:	AC 120V/ 60Hz
Test Mode:	TX	Test Engineer:	Joe

Frequency range (MHz)	Measured Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result(dBμV/m)	Limit(dBμV/m)	Margin(dB)
		QP		QP	QP	QP
13.553-13.567	13.5608	39.52	20.60	60.12	124	-63.88
13.410-13.553	13.4824	19.72	20.60	40.32	90.5	-50.18
13.567-13.710	13.6394	19.27	20.60	39.87	90.5	-50.63
13.110-13.410	13.3475	18.63	20.60	39.23	80.5	-41.27
13.710-14.010	13.7706	18.56	20.60	39.16	80.5	-41.34

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

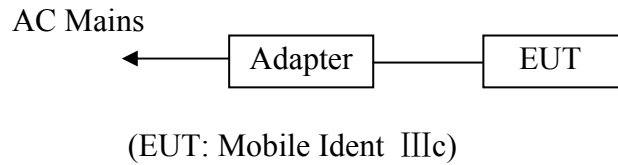
Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

6. RADIATED FIELD STRENGTH EMISSIONS FOR FCC PART 15 SECTION 15.225(D)

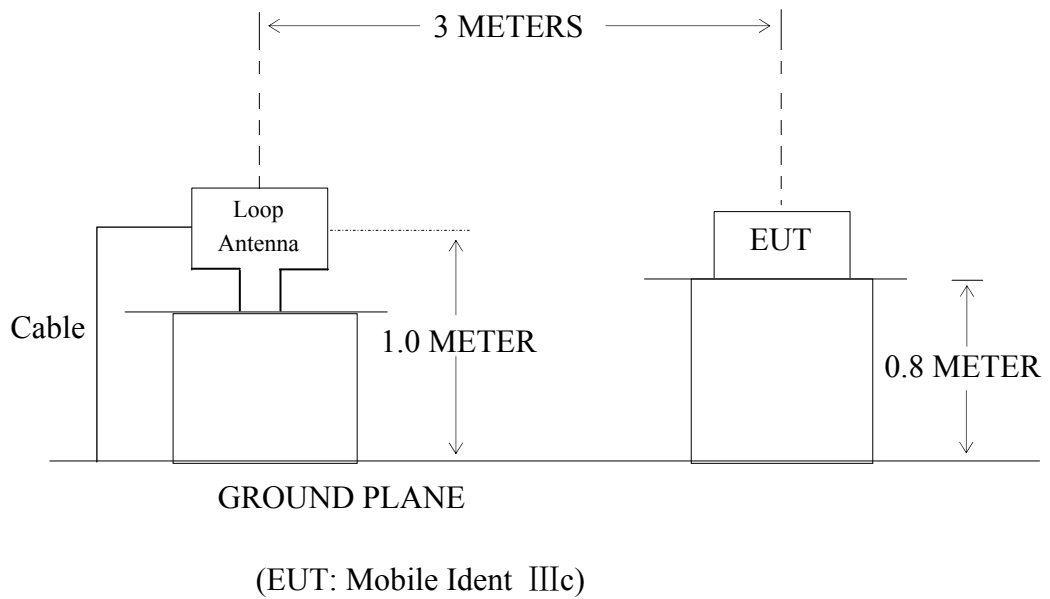
6.1. Block Diagram of Test Setup

6.1.1. Block diagram of connection between the EUT and simulators

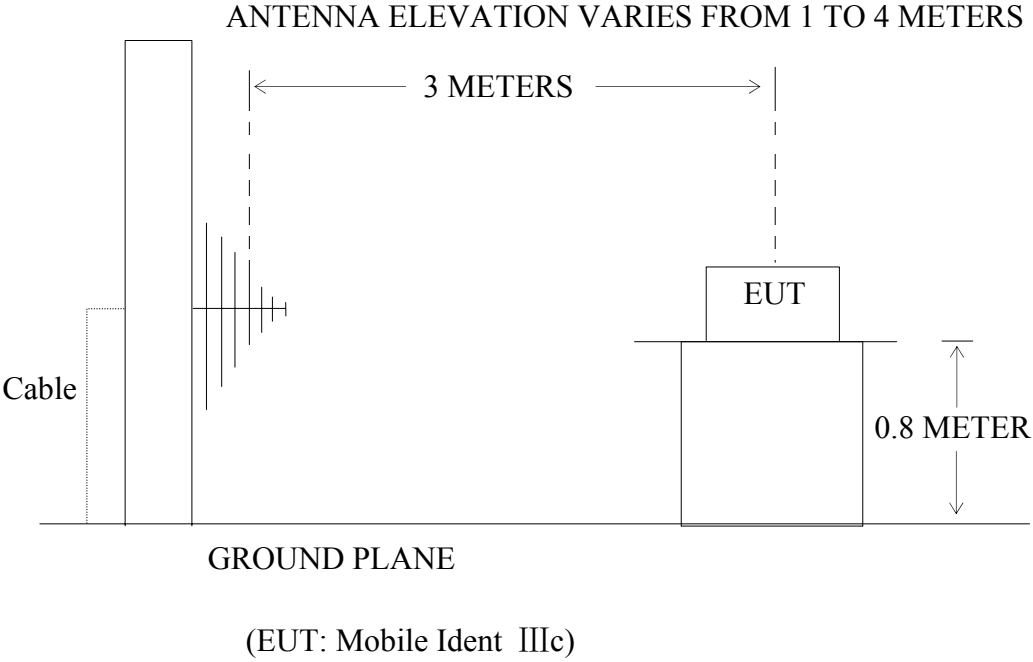


6.1.2. Semi-Anechoic Chamber Test Setup Diagram

6.1.2.1. Radiated field strength < 30MHz



6.1.2.2. Radiated field strength > 30MHz



6.2. The Field Strength of Radiation Emission Measurement Limits

6.2.1. Radiation Emission Measurement Limits According to section 15.225(d)

- (d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.

Below 30MHz

Frequency (fundamental or spurious)	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490kHz	2400/F (F in kHz)	2400/377(F in kHz)	300
490-1705kHz	24000/F (F in kHz)	24000/377(F in kHz)	30
1705-30MHz	30	N/A	30

Above 30MHz

Frequency (MHz)	Limit		The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dB μ V/m)	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

6.3. Configuration of EUT on Measurement

The following equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.3.1. Mobile Ident IIIc (EUT)

Model Number : Mi3c
 Serial Number : N/A
 Manufacturer : Cogent Systems Inc.

6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in TX mode measure it.

6.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower.

The frequency range from 9kHz to 30MHz is investigated with a calibrated Loop antenna and then from 30MHz to 1000MHz is investigated with a calibrated Bilog antenna.

In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C 63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver is set at 9kHz in 9kHz-30MHz. and set at 120kHz in 30-1000MHz.

The frequency range 9kHz to 1000 MHz is investigated for radiated field strength emissions.

6.6. The Field Strength of Radiation Emission Measurement Results

PASS.

The frequency range 9kHz to 1000 MHz is investigated.

Date of Test:	July 14, 2009	Temperature:	25°C
EUT:	Mobile Ident IIIc	Humidity:	50%
Model No.:	Mi3c	Power Supply:	AC 120V/ 60Hz
Test Mode:	TX	Test Engineer:	Joe

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
244.0940	25.06	17.04	42.10	46.00	-3.90	Vertical
257.6520	23.06	18.25	41.31	46.00	-4.69	
271.2145	23.14	18.21	41.35	46.00	-4.65	
284.7760	23.37	18.43	41.80	46.00	-4.20	
366.1405	21.18	21.48	42.66	46.00	-3.34	
393.2575	20.26	22.01	42.27	46.00	-3.73	
244.0940	25.40	17.04	42.44	46.00	-3.56	Horizontal
257.6520	24.00	18.25	42.25	46.00	-3.75	
271.2145	24.36	18.21	42.57	46.00	-3.43	
284.7760	24.30	18.43	42.73	46.00	-3.27	
366.1405	21.51	21.48	42.99	46.00	-3.01	
393.2575	20.89	22.01	42.90	46.00	-3.10	

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$


ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #2305

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: Mobile Ident IIIC

Mode: TX (Contactless Card)

Model: Mi3c

Manufacturer: Cogent System (ShenZhen) Inc

Polarization: Horizontal

Power Source: AC 120V/60Hz

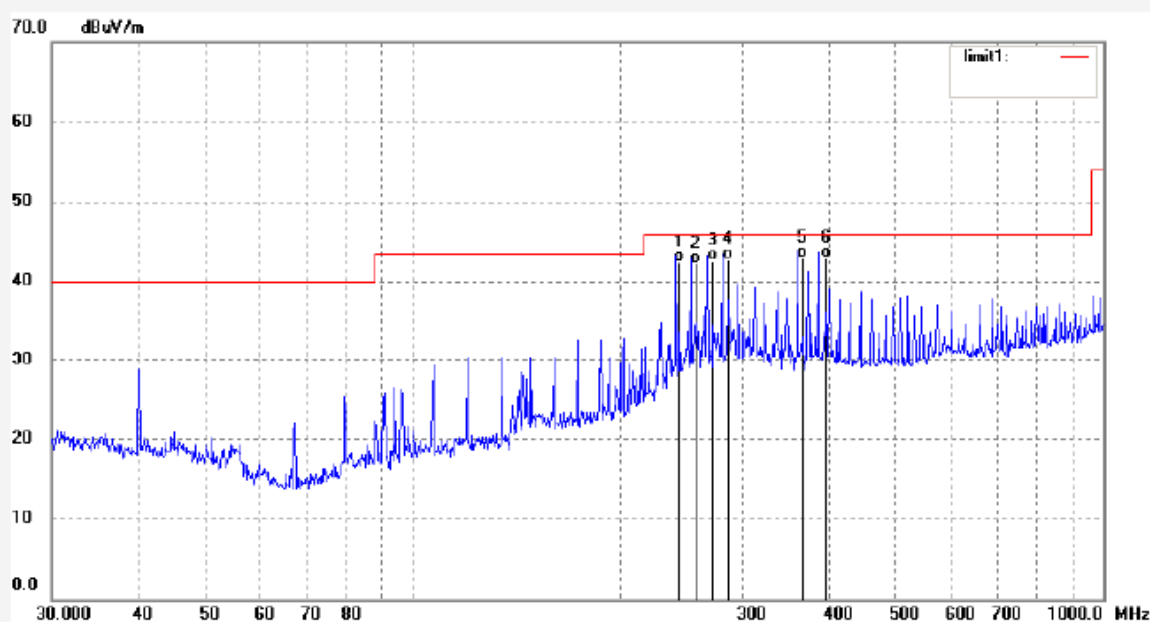
Date: 2009-7-14

Time: 21:46:09

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:091348 Report No.:ATE20091159



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	244.0940	25.40	17.04	42.44	46.00	-3.56	QP			
2	257.6520	24.00	18.25	42.25	46.00	-3.75	QP			
3	271.2145	24.36	18.21	42.57	46.00	-3.43	QP			
4	284.7760	24.30	18.43	42.73	46.00	-3.27	QP			
5	366.1405	21.51	21.48	42.99	46.00	-3.01	QP			
6	393.2575	20.89	22.01	42.90	46.00	-3.10	QP			


ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: RTTE #2306

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: Mobile Ident IIc

Mode: TX (Contactless Card)

Model: Mi3c

Manufacturer: Cogent System (ShenZhen) Inc

Polarization: Vertical

Power Source: AC 120V/60Hz

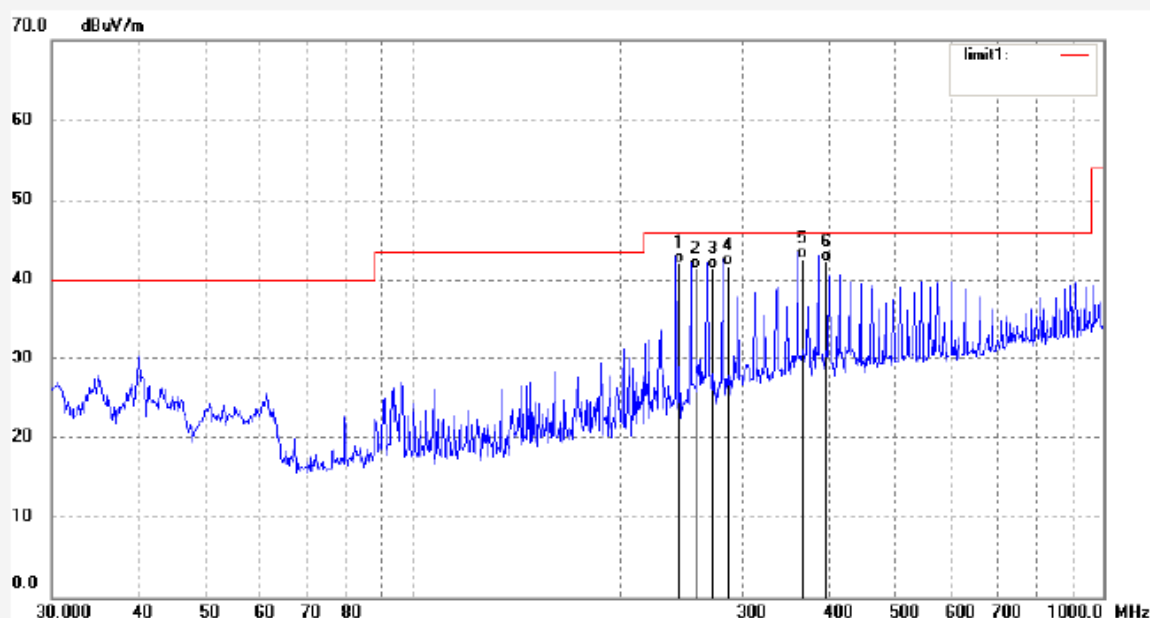
Date: 2009-7-14

Time: 21:49:05

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:091348 Report No.:ATE20091159



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	244.0940	25.06	17.04	42.10	46.00	-3.90	QP			
2	257.6520	23.06	18.25	41.31	46.00	-4.69	QP			
3	271.2145	23.14	18.21	41.35	46.00	-4.65	QP			
4	284.7760	23.37	18.43	41.80	46.00	-4.20	QP			
5	366.1405	21.18	21.48	42.66	46.00	-3.34	QP			
6	393.2575	20.26	22.01	42.27	46.00	-3.73	QP			

7. FREQUENCY STABILITY

7.1.The Requirement For section 15.225(e)

- (e) The frequency tolerance of the carrier signal shall be maintained within $\pm 0.01\%$ (± 100 ppm) of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

7.2.EUT Configuration on Measurement

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.2.1.Mobile Ident IIIc (EUT)

Model Number	:	Mi3c
Serial Number	:	N/A
Manufacturer	:	Cogent Systems Inc.

7.3.Operating Condition of EUT

7.3.1.Turn on the power of all equipment.

7.3.2.Let the EUT work in TX mode measure it.

7.4.Test Procedure

7.4.1.The EUT was placed in a temperature chamber for the temperature variation test.

7.4.2.Voltage variation test was performed connecting the AC/DC adapter to a variable supply.

7.5. Test Result

PASS.**Test Data:** The data indicates the EUT passed this specific requirement.

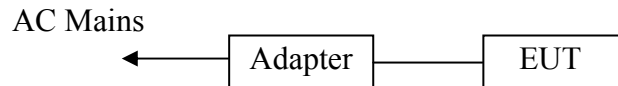
Assigned Frequency (MHz): 13.560 826 MHz Voltage: AC 120V/ 60Hz		
Temperature (°C)	Measured Frequency (MHz)	PPM
-20	13.560 653	-12.76
-10	13.560 752	-5.46
0	13.560 804	3.17
+10	13.560 817	1.62
+20	13.560 826	0.00
+30	13.560 838	0.88
+40	13.560 953	9.37
+50	13.560 979	11.28

Assigned Frequency (MHz): 13.560 826 MHz Temperature: 20°C		
Voltage (V)	Measured Frequency (MHz)	PPM
102V (85%)	13.560 826	0.00
138V (115%)	13.560 826	0.00

8. AC POWER LINE CONDUCTED EMISSION TEST FOR FCC PART 15 SECTION 15.207(A)

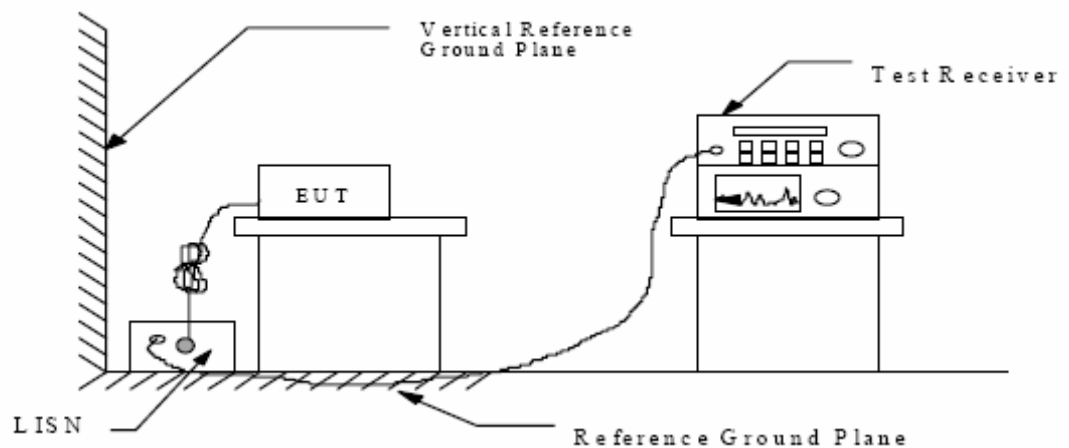
8.1. Block Diagram of Test Setup

8.1.1. Block diagram of connection between the EUT and simulators



(EUT: Mobile Ident IIIc)

8.1.2. Shielding Room Test Setup Diagram



(EUT: Mobile Ident IIIc)

8.2. The Emission Limit

8.2.1. Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μV)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

8.3.Configuration of EUT on Measurement

The following equipment are installed on the Conducted Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

8.3.1.Mobile Ident IIIc (EUT)

Model Number	:	Mi3c
Serial Number	:	N/A
Manufacturer	:	Cogent Systems Inc.

8.4.Operating Condition of EUT

8.4.1.Setup the EUT and simulator as shown as Section 8.1.

8.4.2.Turn on the power of all equipment.

8.4.3. Let the EUT work in TX mode measure it.

8.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

8.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150kHz to 30MHz is checked.

Date of Test:	<u>July 15, 2009</u>	Temperature:	<u>25°C</u>
EUT:	<u>Mobile Ident IIIc</u>	Humidity:	<u>50%</u>
Model No.:	<u>Mi3c</u>	Power Supply:	<u>AC 120V/ 60Hz</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Joe</u>

Frequency (MHz)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector	Line
0.177000	40.10	65	-24.5	QP	Neutral
0.262500	39.70	61	-21.7	QP	
0.393000	30.00	58	-28.0	QP	
0.262500	29.90	51	-21.5	AV	
0.298500	27.60	50	-22.7	AV	
0.393000	25.90	48	-22.1	AV	
0.271500	41.90	61	-19.2	QP	Live
0.424500	31.60	57	-25.8	QP	
0.699000	29.60	56	-26.4	QP	
0.267000	32.90	51	-18.3	AV	
0.429000	24.50	47	-22.8	AV	
0.699000	20.00	46	-26.0	AV	

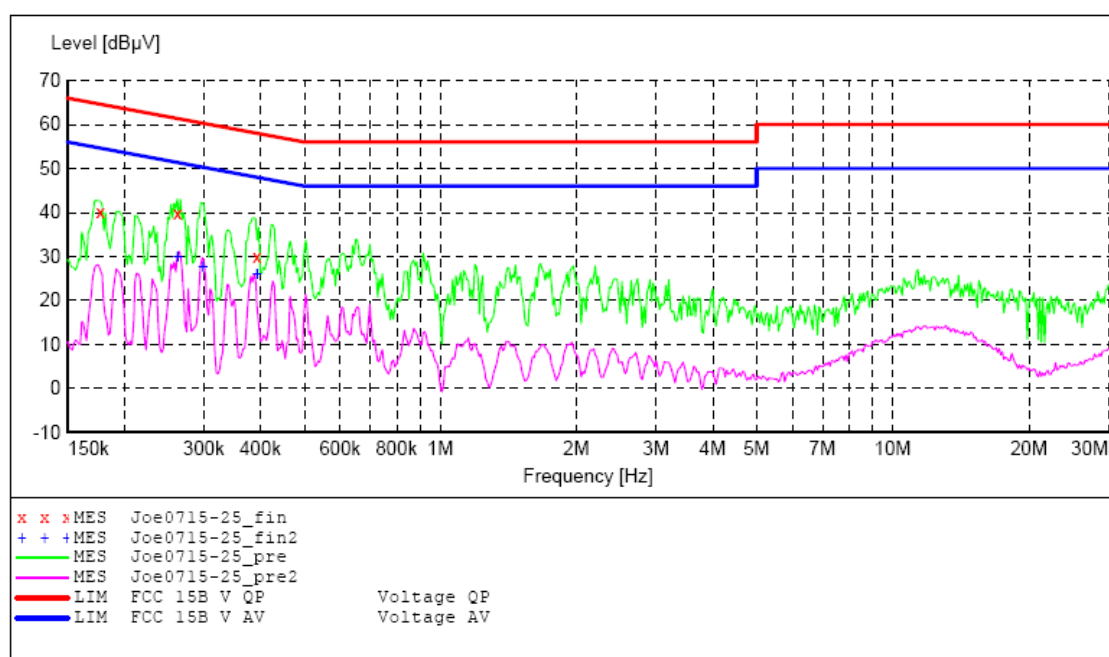
Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

ACCURATE TECHNOLOGY CO.,LTD
CONDUCTED EMISSION STANDARD FCC PART15B

EUT: Mobile Ident IIc M/N:Mi3c
 Manufacturer: Cogent Systems (ShenZhen) Inc
 Operating Condition: Contactless Card
 Test Site: 1#Shielding Room
 Operator: Joe
 Test Specification: Va 120V/60Hz
 Comment: Sample No.:091348 Report No.:ATE20091159
 Start of Test: 7/15/2009 / 2:23:51PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "Joe0715-25_fin"

7/15/2009 2:27PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.177000	40.10	11.1	65	24.5	QP	N	GND
0.262500	39.70	11.5	61	21.7	QP	N	GND
0.393000	30.00	11.8	58	28.0	QP	N	GND

MEASUREMENT RESULT: "Joe0715-25_fin2"

7/15/2009 2:27PM

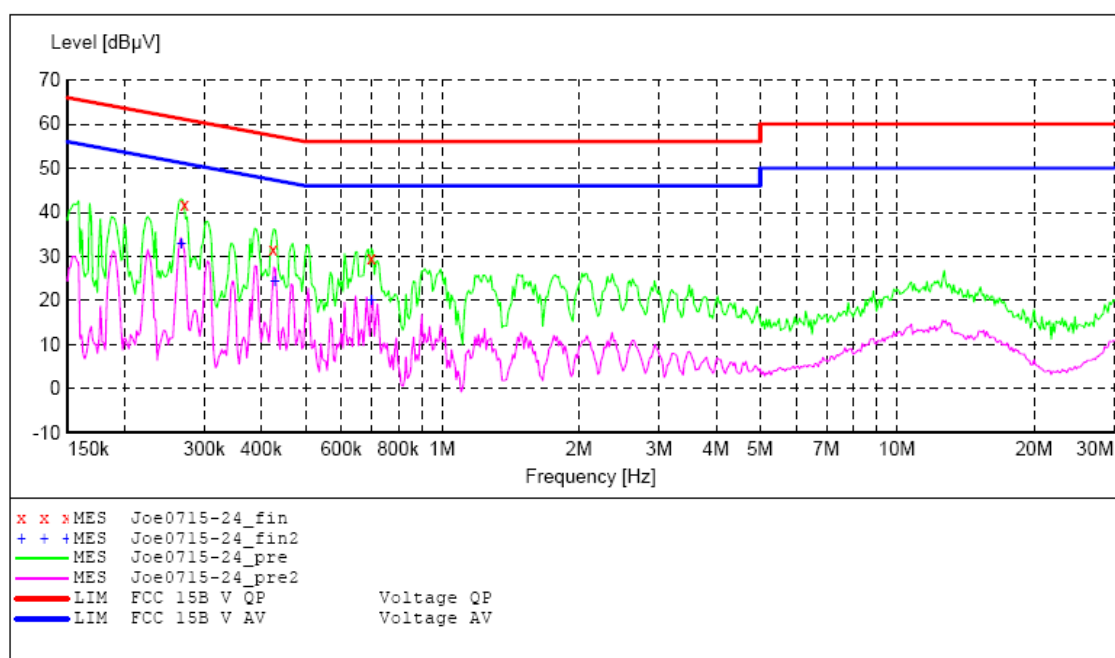
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.262500	29.90	11.5	51	21.5	AV	N	GND
0.298500	27.60	11.6	50	22.7	AV	N	GND
0.393000	25.90	11.8	48	22.1	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD
CONDUCTED EMISSION STANDARD FCC PART15B

EUT: Mobile Ident IIIc M/N:Mi3c
 Manufacturer: Cogent Systems (ShenZhen) Inc
 Operating Condition: Contactless Card
 Test Site: 1#Shielding Room
 Operator: Joe
 Test Specification: Vb 120V/60Hz
 Comment: Sample No.:091348 Report No.:ATE20091159
 Start of Test: 7/15/2009 / 2:19:52PM

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.8 % QuasiPeak 1.0 s 9 kHz NSLK8126 2008
 Average


MEASUREMENT RESULT: "Joe0715-24_fin"

7/15/2009 2:23PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.271500	41.90	11.5	61	19.2	QP	L1	GND
0.424500	31.60	11.9	57	25.8	QP	L1	GND
0.699000	29.60	11.9	56	26.4	QP	L1	GND

MEASUREMENT RESULT: "Joe0715-24_fin2"

7/15/2009 2:23PM

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.267000	32.90	11.5	51	18.3	AV	L1	GND
0.429000	24.50	11.9	47	22.8	AV	L1	GND
0.699000	20.00	11.9	46	26.0	AV	L1	GND