APPLICATION CERTIFICATION
On Behalf of
Nicetex Electronics Ltd.

Wireless Dock for iPod
Model No.: IS301

FCC ID: OYNIS301T

Prepared for	:	Nicetex Electronics Ltd.
Address	:	Rm 1421-22, 14/F, Block A, Hi-Tech Industrial Centre, 5-21 Pak Tin Par Street, Tsuen Wan, NT, Hong Kong
Prepared by	:	ACCURATE TECHNOLOGY CO. LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China
		Tel: (0755) 26503290
		Fax: (0755) 26503396

Report Number	:	ATE20082470 002
Date of Test of Rev. 2	:	March 1-2, 2010
Date of Report of Rev. 2	:	March 2, 2010

TABLE OF CONTENTS

Description Page

Test Report Certification
1. DESCRIPTION OF VERSION 4
2. GENERAL INFORMATION 5
2.1. Description of Device (EUT) 5
2.2. Description of Test Facility 6
2.3. Measurement Uncertainty 6
3. MEASURING DEVICE AND TEST EQUIPMENT 7
4. OPERATION OF EUT DURING TESTING 8
4.1. Operating Mode 8
4.2. Configuration and peripherals 8
5. TEST PROCEDURES AND RESULTS 9
6. CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207 10
6.1. Block Diagram of Test Setup 10
6.2. The Emission Limit 10
6.3. Configuration of EUT on Measurement 11
6.4. Operating Condition of EUT 11
6.5. Test Procedure 11
6.6. Power Line Conducted Emission Measurement Results 12
7. RADIATED EMISSION FOR FCC PART 15 SECTION 15.209 15
7.1. Block Diagram of Test Setup 15
7.2. The Emission Limit For Section 15.209 16
7.3. EUT Configuration on Measurement 16
7.4. Operating Condition of EUT 16
7.5. Test Procedure 17
7.6. The Emission Measurement Result 18

Test Report Certification

Applicant	:	Nicetex Electronics Ltd.
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited
EUT Description	:	Wireless Dock for iPod
		(A) MODEL NO.: IS301
		(B) SERIAL NO.: N/A
		(C) POWER SUPPLY: DC 8V (Adapter input)

Measurement Procedure Used:

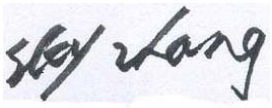
FCC Rules and Regulations Part 15 Section 15.207 and Section 15.209
ANSI C63.4: 2003

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 Section 15.207 and Section 15.209 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.

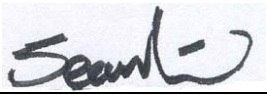
Date of Report of Rev. 2 :	March 2, 2010
Date of Test of Rev. 2 :	March 1-2, 2010
Date of original Test :	December 31, 2008 - January 7, 2009

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. DESCRIPTION OF VERSION

Edition No.	Date of Rev.	Summary	Report No.
0	January 7, 2009	Original Report	ATE20082470
REV.2	March 2, 2010	1. Add a Dock base. 2. Add a Power Adapter: KINGS, KSD10-080-1000	ATE20082470 002

Remark for Rev. 2

1. This report is an additional version with original report number ATE20082470. The different with original report please see the above table of REV.2.
2. Through evaluation of the above difference, the conducted and radiated emission tests need to be re-performed. The EUT was retested on the conducted and radiated emission, and the test data were recorded in this report.
3. This report is based on report of ATE20082470.

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

EUT	:	Wireless Dock for iPod
Model Number	:	IS301
Frequency Band	:	2400MHz-2483.5MHz
Number of Channels	:	79
Antenna Gain	:	0dBi Max.
Power Supply	:	DC 8V (Adapter input)
AC Adapter	:	Model: KSD10-080-1000 Input: AC 100-240V, 50-60Hz, 300mA Output: DC 8V, 1000mA
iPod	:	Manufacturer: Apple M/N: A1136 Serial No.: 2Z6500GBSZA
Applicant	:	Nicetex Electronics Ltd.
Address	:	Rm 1421-22, 14/F, Block A, Hi-Tech Industrial Centre, 5-21 Pak Tin Par Street, Tsuen Wan, NT, Hong Kong
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited
Address	:	Jinlong Road (Qingxi section), Longmen, Huizhou, Guangdong, China
Date of sample received	:	February 20, 2010
Date of Test	:	March 1-2, 2010

2.2.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

2.3.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

3. 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	Jan. 9, 2011
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 9, 2011
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2011
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 9, 2011
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 9, 2011
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 9, 2011
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 9, 2011
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 9, 2011
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 9, 2011
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 9, 2011

4. OPERATION OF EUT DURING TESTING

4.1.Operating Mode

On

4.2.Configuration and peripherals

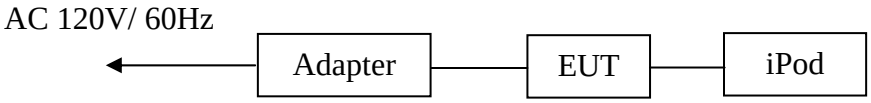


Figure 1 Setup, Operating mode: On

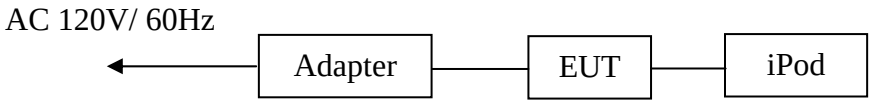
5. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission Test	Compliant
Section 15.209	Radiated Spurious Emission Test	Compliant

6. CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207

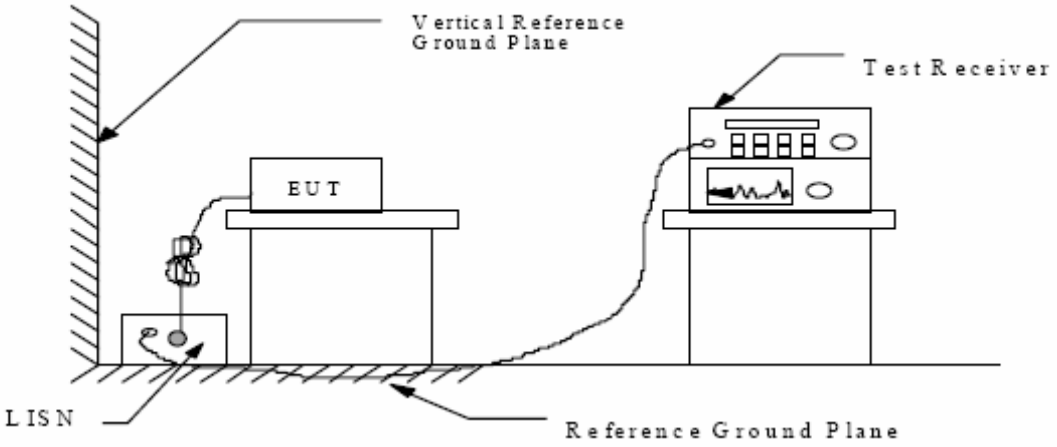
6.1.Block Diagram of Test Setup

6.1.1.Block diagram of connection between the EUT and simulators



(EUT: Wireless Dock for iPod)

6.1.2.Shielding Room Test Setup Diagram



(EUT: Wireless Dock for iPod)

6.2.The Emission Limit

6.2.1.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.

6.3.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.

6.3.1.Wireless Dock for iPod (EUT)

Model Number	**:**	IS301
Serial Number	**:**	N/A
Manufacturer	**:**	Mei Hua Electronics (Hui Zhou) Limited

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 measuring mode (On) measure it.

6.5.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.

6.6.Power Line Conducted Emission Measurement Results

PASS.

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

Date of Test:	March 1, 2010	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	50%
			DC 8V (Adapter input)
Model No.:	IS301	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	On	Test Engineer:	Joe

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.396530	42.70	11.8	58	15.2	QP	L1	GND
0.660314	40.00	11.9	56	16.0	QP	L1	GND
0.930150	36.40	11.8	56	19.6	QP	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.399702	29.50	11.8	48	18.4	AV	L1	GND
0.468757	27.40	11.9	47	19.1	AV	L1	GND
0.655073	26.80	11.9	46	19.2	AV	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.390261	40.10	11.8	58	18.0	QP	N	GND
0.649874	38.40	11.9	56	17.6	QP	N	GND
0.908179	35.60	11.9	56	20.4	QP	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.327509	30.90	11.6	50	18.6	AV	N	GND
0.393383	30.00	11.8	48	18.0	AV	N	GND
0.655073	26.80	11.9	46	19.2	AV	N	GND

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

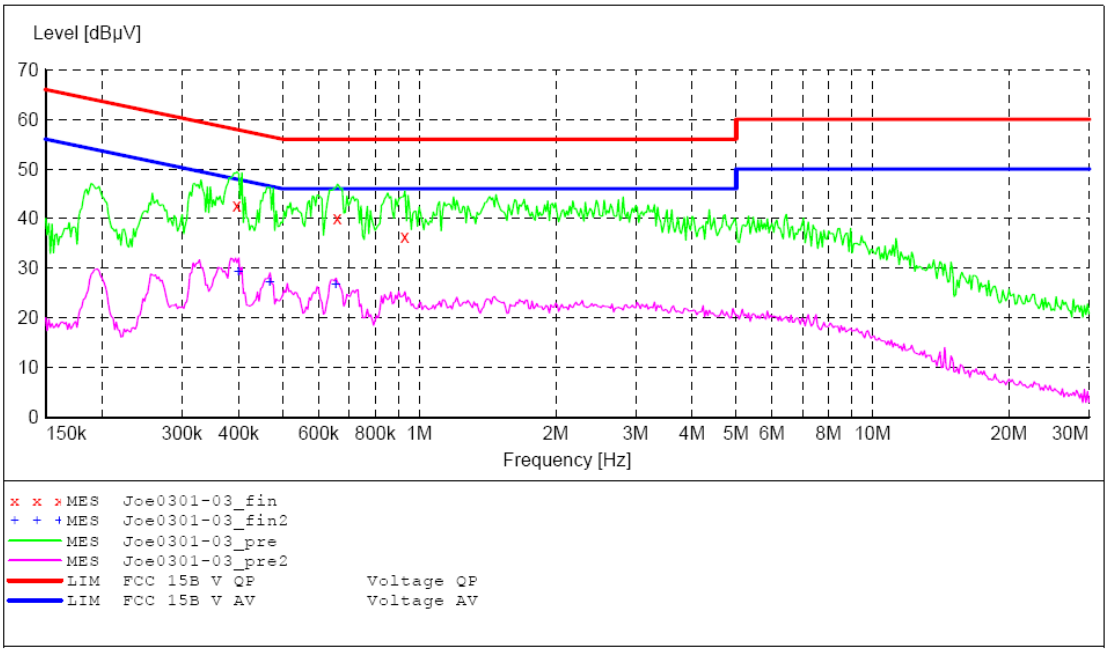
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

```
EUT:                  Wireless Dock for iPod   M/N:IS301
Manufacturer:         Nicetex
Operating Condition:  On
Test Site:            1#Shielding Room
Operator:             Joe
Test Specification:   L 120V/60Hz
Comment:              Report No.:ATE20082470 002
Start of Test:        3/1/2010 / 8:48:52PM
```

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: "Joe0301-03_fin"

3/1/2010 8:51PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.396530	42.70	11.8	58	15.2	QP	L1	GND
0.660314	40.00	11.9	56	16.0	QP	L1	GND
0.930150	36.40	11.8	56	19.6	QP	L1	GND

MEASUREMENT RESULT: "Joe0301-03_fin2"

3/1/2010 8:51PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.399702	29.50	11.8	48	18.4	AV	L1	GND
0.468757	27.40	11.9	47	19.1	AV	L1	GND
0.655073	26.80	11.9	46	19.2	AV	L1	GND

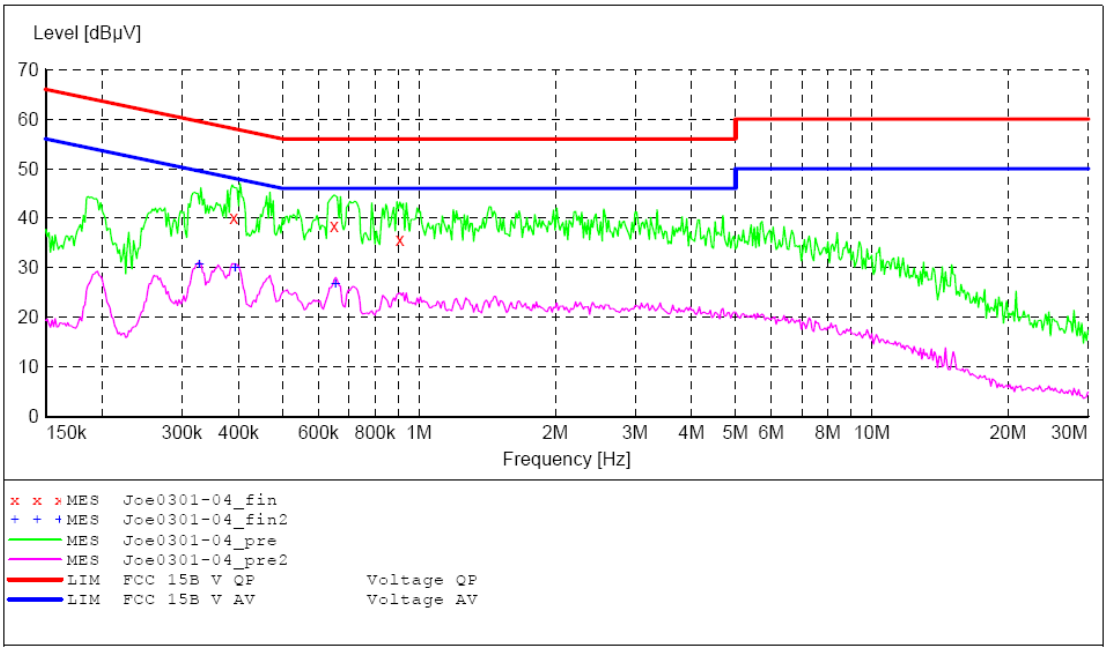
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

```
EUT:                  Wireless Dock for iPod   M/N:IS301
Manufacturer:         Nicetex
Operating Condition:  On
Test Site:            1#Shielding Room
Operator:             Joe
Test Specification:   N 120V/60Hz
Comment:              Report No.:ATE20082470 002
Start of Test:        3/1/2010 / 8:52:32PM
```

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: "Joe0301-04_fin"

```
3/1/2010  8:55PM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.390261     40.10    11.8     58    18.0  QP        N      GND
    0.649874     38.40    11.9     56    17.6  QP        N      GND
    0.908179     35.60    11.9     56    20.4  QP        N      GND
```

MEASUREMENT RESULT: "Joe0301-04_fin2"

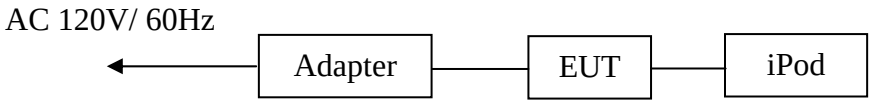
```
3/1/2010  8:55PM
   Frequency     Level  Transd  Limit  Margin  Detector  Line   PE
         MHz      dBµV      dB   dBµV      dB

    0.327509     30.90    11.6     50    18.6  AV        N      GND
    0.393383     30.00    11.8     48    18.0  AV        N      GND
    0.655073     26.80    11.9     46    19.2  AV        N      GND
```

7. RADIATED EMISSION FOR FCC PART 15 SECTION 15.209

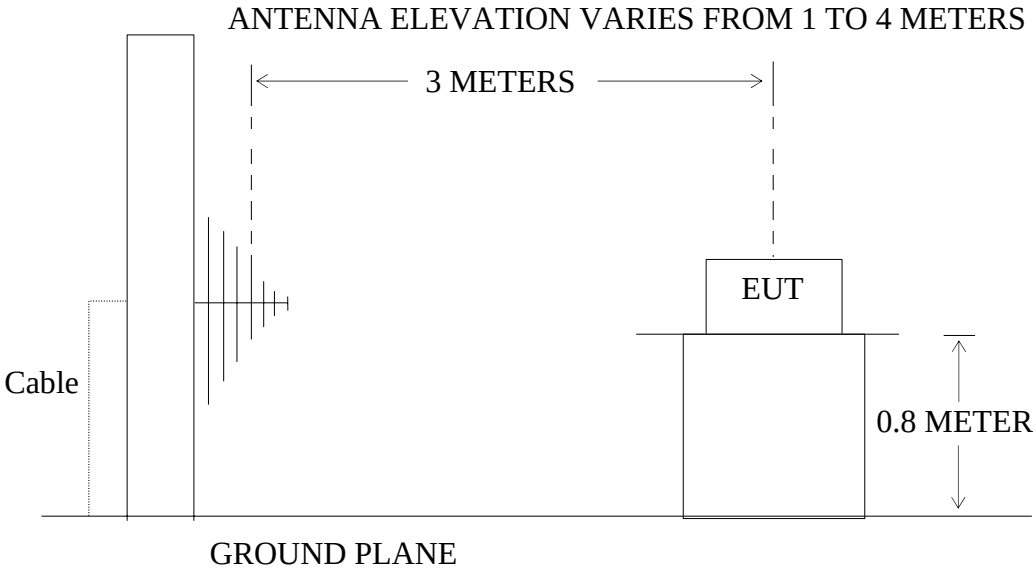
7.1.Block Diagram of Test Setup

7.1.1.Block diagram of connection between the EUT and simulators



(EUT: Wireless Dock for iPod)

7.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: Wireless Dock for iPod)

7.2.The Emission Limit For Section 15.209

7.2.1.Radiation Emission Measurement Limits According to Section 15.209.

Frequency (MHz)	Limit	
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBμV/m)
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

7.3.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.

7.3.1.Wireless Dock for iPod (EUT)

Model Number : IS301
Serial Number : N/A
Manufacturer : Mei Hua Electronics (Hui Zhou) Limited

7.4.Operating Condition of EUT

7.4.1.Setup the EUT and simulator as shown as Section 7.1.

7.4.2.Turn on the power of all equipment.

7.4.3. Let the EUT work in measuring mode (On) measure it.

7.5. 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 antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

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

The frequency range from 30MHz to 1000MHz is checked.

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

7.6. The Emission Measurement Result

PASS.

Date of Test:	March 2, 2010	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	50%
			DC 8V (Adapter input)
Model No.:	IS301	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	On	Test Engineer:	Joe

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
187.1625	16.14	15.96	32.10	43.50	-11.40	Vertical
209.9260	14.25	16.37	30.62	43.50	-12.88	Vertical
287.8611	12.06	18.53	30.59	46.00	-15.41	Vertical
187.7831	10.86	16.05	26.91	43.50	-16.59	Horizontal
208.4701	14.64	16.29	30.93	43.50	-12.57	Horizontal
287.8611	9.06	18.53	27.59	46.00	-18.41	Horizontal

The spectral diagrams are attached as below display the measurement of peak values.

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:

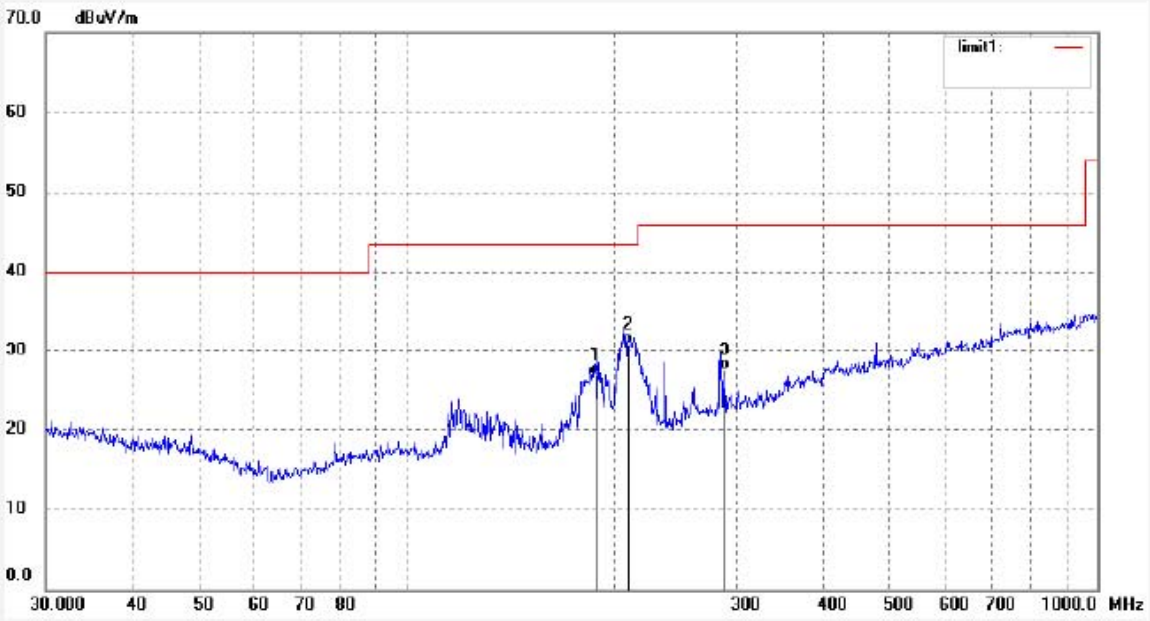
   Result = Reading + Corrected Factor

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

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: RTTE #4218	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 10/03/02/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 9/06/43
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: On	Distance: 3m
Model: IS301	
Manufacturer: Nicetex	

Note: Report No.:ATE20082470 002

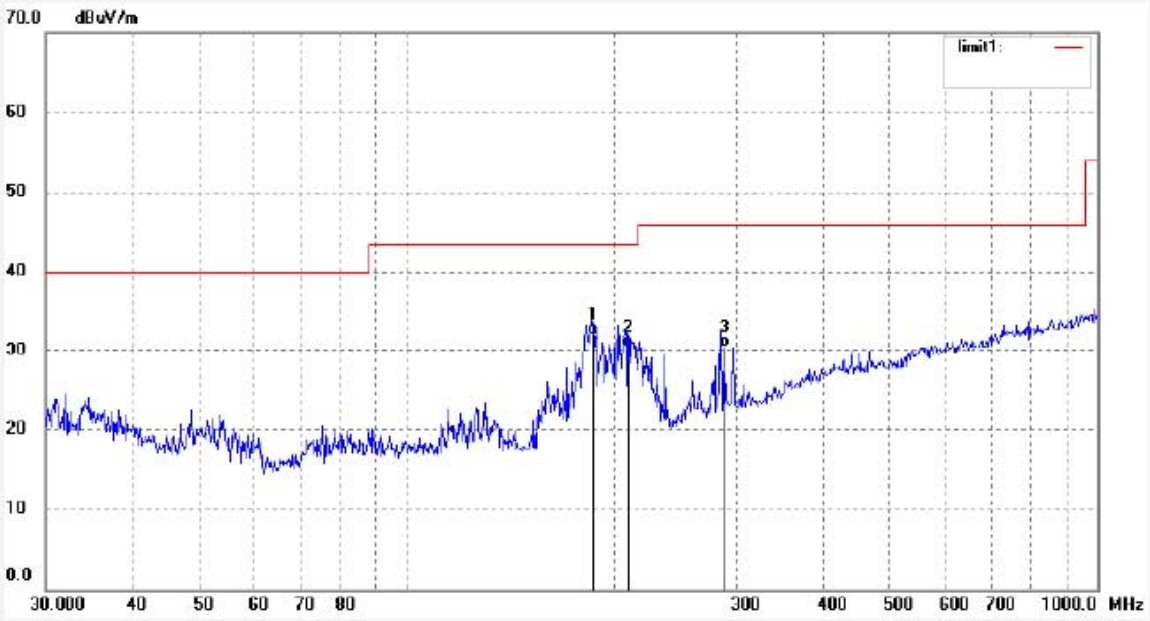


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	187.7831	10.86	16.05	26.91	43.50	-16.59	QP			
2	208.4701	14.64	16.29	30.93	43.50	-12.57	QP			
3	287.8611	9.06	18.53	27.59	46.00	-18.41	QP			

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: RTTE #4217	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 10/03/02/
Temp.(C)/Hum.(%) 25 C / 50 %	Time: 9/03/06
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: On	Distance: 3m
Model: IS301	
Manufacturer: Nicetex	

Note: Report No.:ATE20082470 002



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	187.1625	16.14	15.96	32.10	43.50	-11.40	QP			
2	209.9260	14.25	16.37	30.62	43.50	-12.88	QP			
3	287.8611	12.06	18.53	30.59	46.00	-15.41	QP			