APPLICATION CERTIFICATION
On Behalf of
Nicetex Electronics Ltd.

Wireless Dock for iPod
Model No.: IS301RX

FCC ID: OYNIS301R

Prepared for	:	Nicetex Electronics Ltd.
Address	:	Rm 22, 14/F, Block A, Hi-Tech Industrial Centre 5-21 Pak Tin Par Street, Tsuen Wan, 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	:	ATE20082471
Date of Test	:	December 31, 2008 - January 7, 2009
Date of Report	:	January 7, 2009

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Description Page

Test Report Certification

Applicant	:	Nicetex Electronics Ltd.
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited
EUT Description	:	Wireless Dock for iPod
		(A) MODEL NO.: IS301RX
		(B) SERIAL NO.: N/A
		(C) POWER SUPPLY: DC 8V (Adapter input)

Measurement Procedure Used:

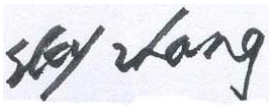
FCC Rules and Regulations Part 15 Subpart C Section 15.247
ANSI C63.4: 2003

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 15.247 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.

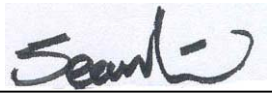
Date of Test : December 31, 2008 - January 7, 2009

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Wireless Dock for iPod
Model Number	:	IS301RX
Frequency Band	:	2402MHz-2480MHz
Number of Channels	:	79
Antenna Gain	:	2.39dBi Max.
Power Supply	:	DC 8V (Adapter input)
AC Adapter	:	Model: KSS10-080-1000 Input: AC 100-240V, 50/60Hz, 250mA, 35VA Output: DC 8V, 1000mA
PC System	:	Manufacturer: DELL M/N: DCNE Serial No.: 6CQSC2X
Printer	:	Manufacturer: Canon Model No.: BJC-1000SP
Applicant	:	Nicetex Electronics Ltd.
Address	:	Rm 22, 14/F, Block A, Hi-Tech Industrial Centre 5-21 Pak Tin Par Street, Tsuen Wan, Hong Kong
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited
Address	:	Jinlong Road (Qingxi section), Longmen, Huizhou, Guangdong, China
Date of sample received	:	December 22, 2008
Date of Test	:	December 31, 2008 - January 7, 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 (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

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	03.29.2009
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	03.29.2009
Spectrum Analyzer	Agilent	E7405A	MY45115511	03.29.2009
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	03.31.2009
Loop Antenna	Schwarzbeck	FMZB1516	1516131	03.28.2009
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	03.29.2009
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	12.19.2009
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	10.09.2009
LISN	Rohde&Schwarz	ESH3-Z5	100305	03.29.2009
LISN	Schwarzbeck	NSLK8126	8126431	03.29.2009

3. OPERATION OF EUT DURING TESTING

3.1.Operating Mode

The mode is used: Transmitting mode
Low Channel: 2402MHz
Middle Channel: 2441MHz
High Channel: 2480MHz
Hopping

3.2.Configuration and peripherals

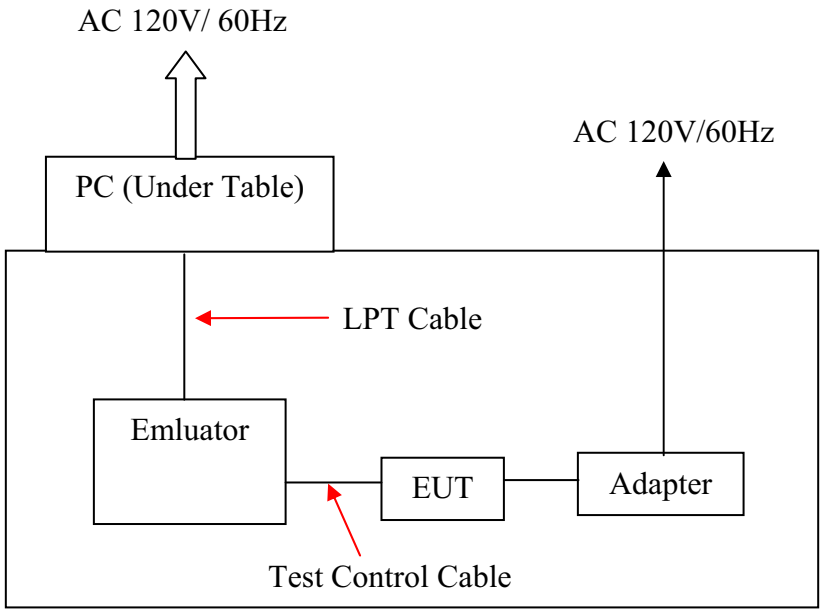


Figure 1 Setup: Transmitting mode

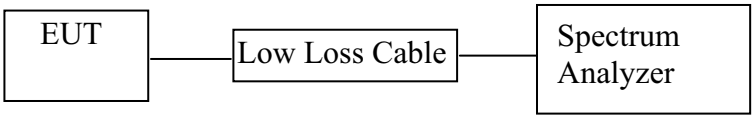
(EUT: Wireless Dock for iPod)

4. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	Compliant
Section 15.247(d)	Conducted Spurious Emission Test	Compliant
Section 15.247(a)(1)	20dB Bandwidth Test	Compliant
Section 15.247(a)(1)	Carrier Frequency Separation Test	Compliant
Section 15.247(a)(1)(iii)	Number Of Hopping Frequency Test	Compliant
Section 15.247(a)(1)(iii)	Dwell Time Test	Compliant
Section 15.247(b)(1)	Maximum Peak Output Power Test	Compliant
Section 15.247(d)	Band Edge Compliance Test	Compliant
Section 15.203	Antenna Requirement	Compliant

5. 20DB BANDWIDTH TEST

5.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

5.2. The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

5.3. 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.

5.3.1. Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
Serial Number	:	N/A
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited

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(Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 2480MHz TX frequency to transmit.

5.5. Test Procedure

5.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

5.5.2. Set RBW of spectrum analyzer to 30kHz and VBW to 100kHz.

5.5.3. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

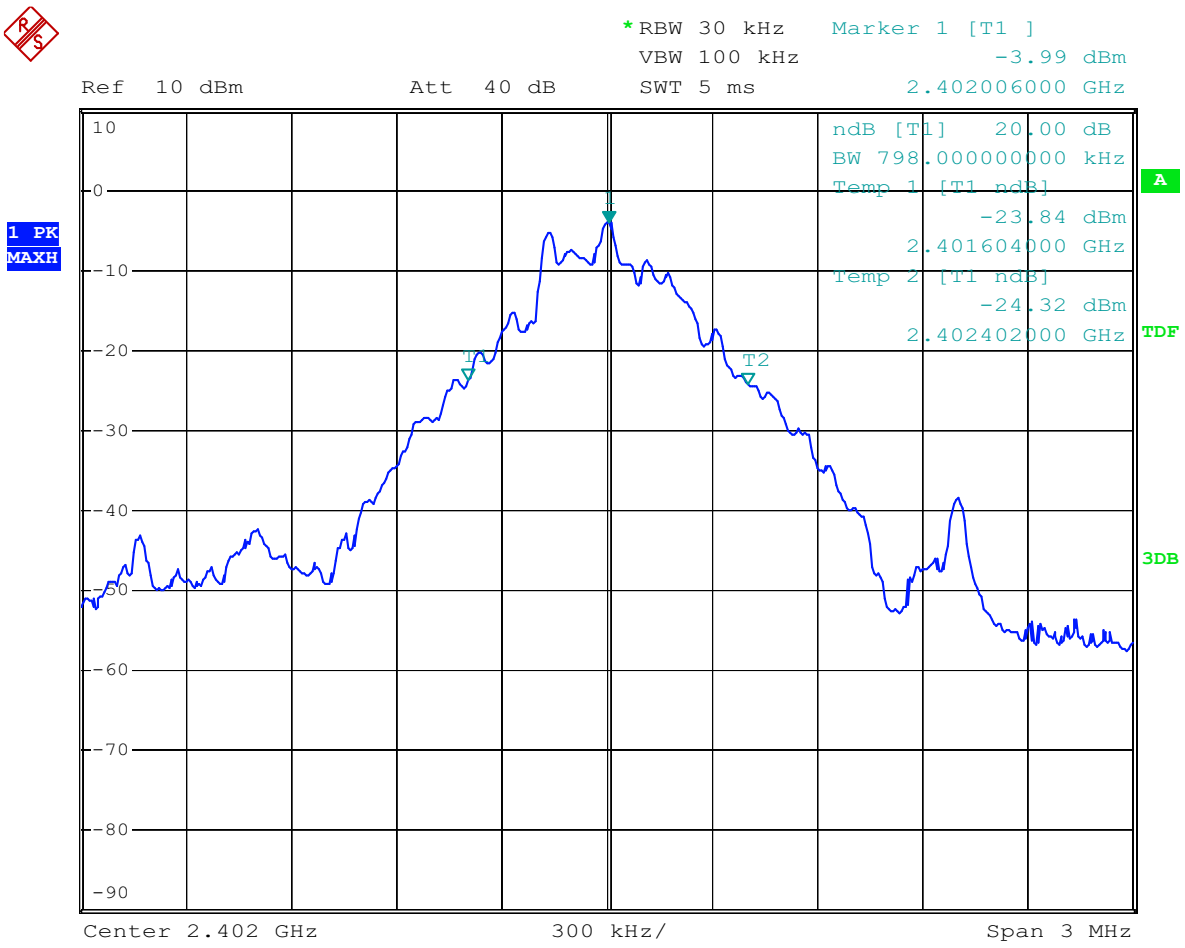
5.6. Test Result

PASS.

Date of Test:	December 31, 2008	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	TX	Test Engineer:	Joe

Channel	Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
Low	2402	0.798	---
Middle	2441	0.798	---
High	2480	0.792	---

The spectrum analyzer plots are attached as below.



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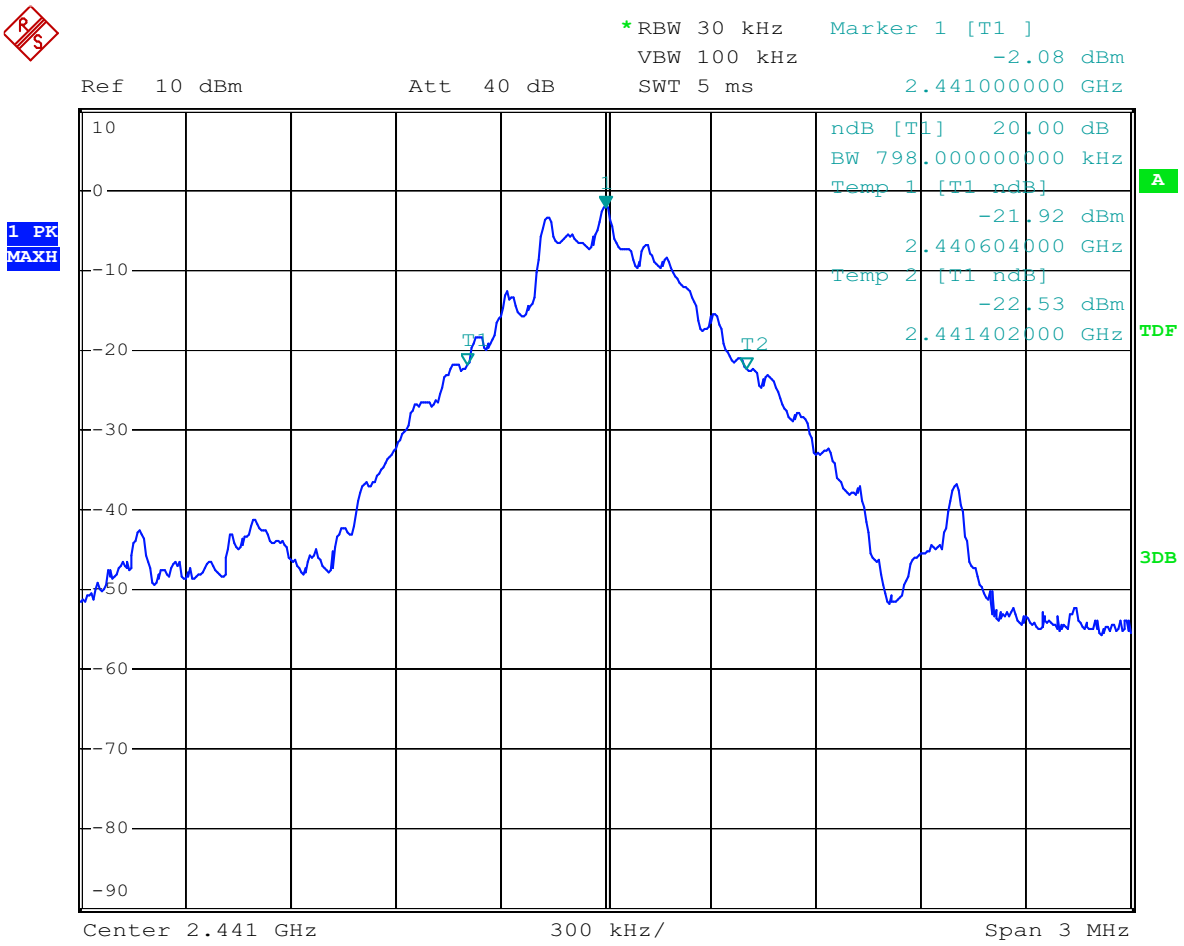

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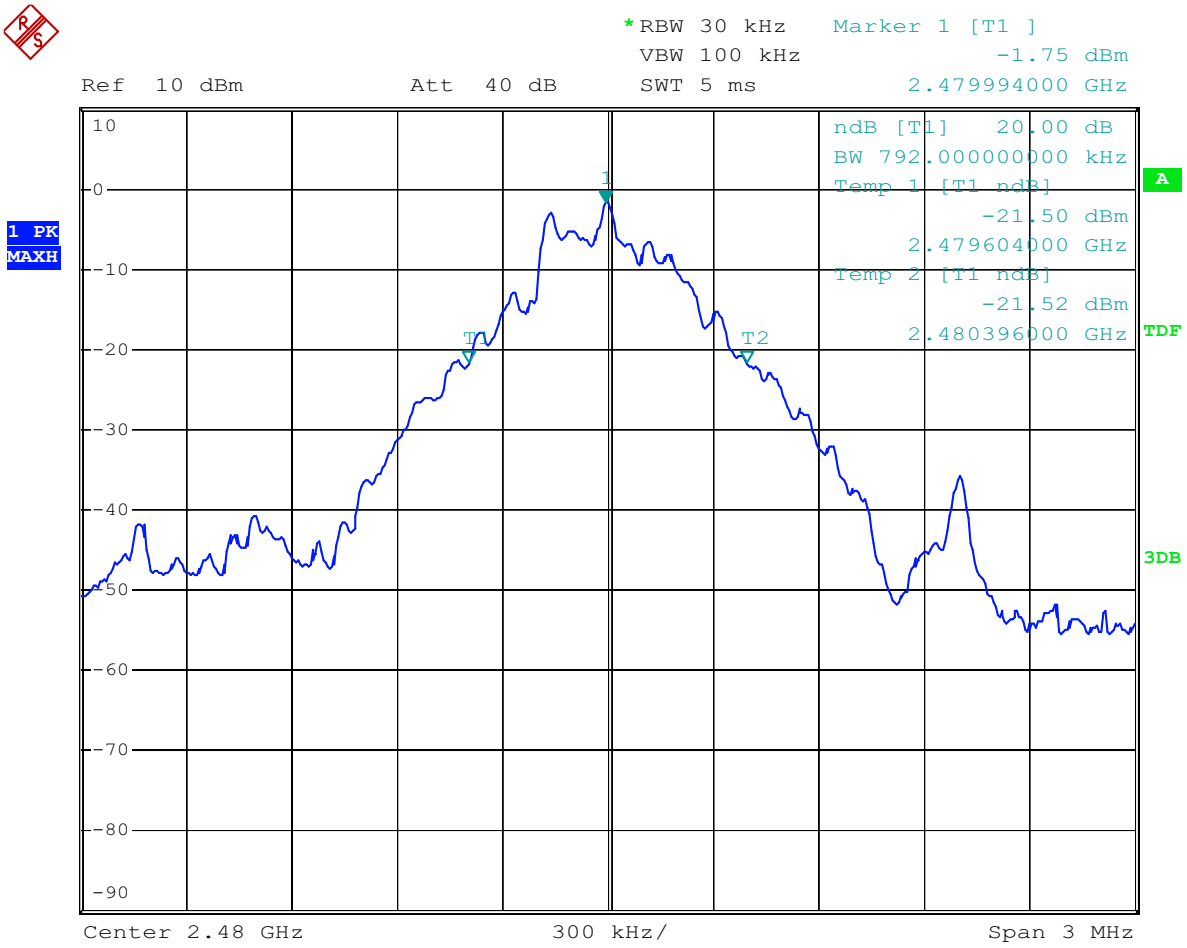

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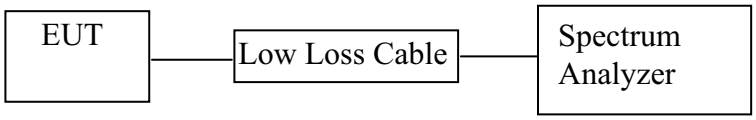
6. CARRIER FREQUENCY SEPARATION TEST

6.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

6.2. The Requirement For Section 15.247(a)(1)

Section 15.247(a)(1): Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudorandomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

6.3. 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.

6.3.1. Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
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 TX (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 2480MHz TX frequency to transmit.

6.5. Test Procedure

6.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

6.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz. Adjust Span to 3 MHz.

6.5.3. Set the adjacent channel of the EUT max hold another trace.

6.5.4. Measurement the channel separation

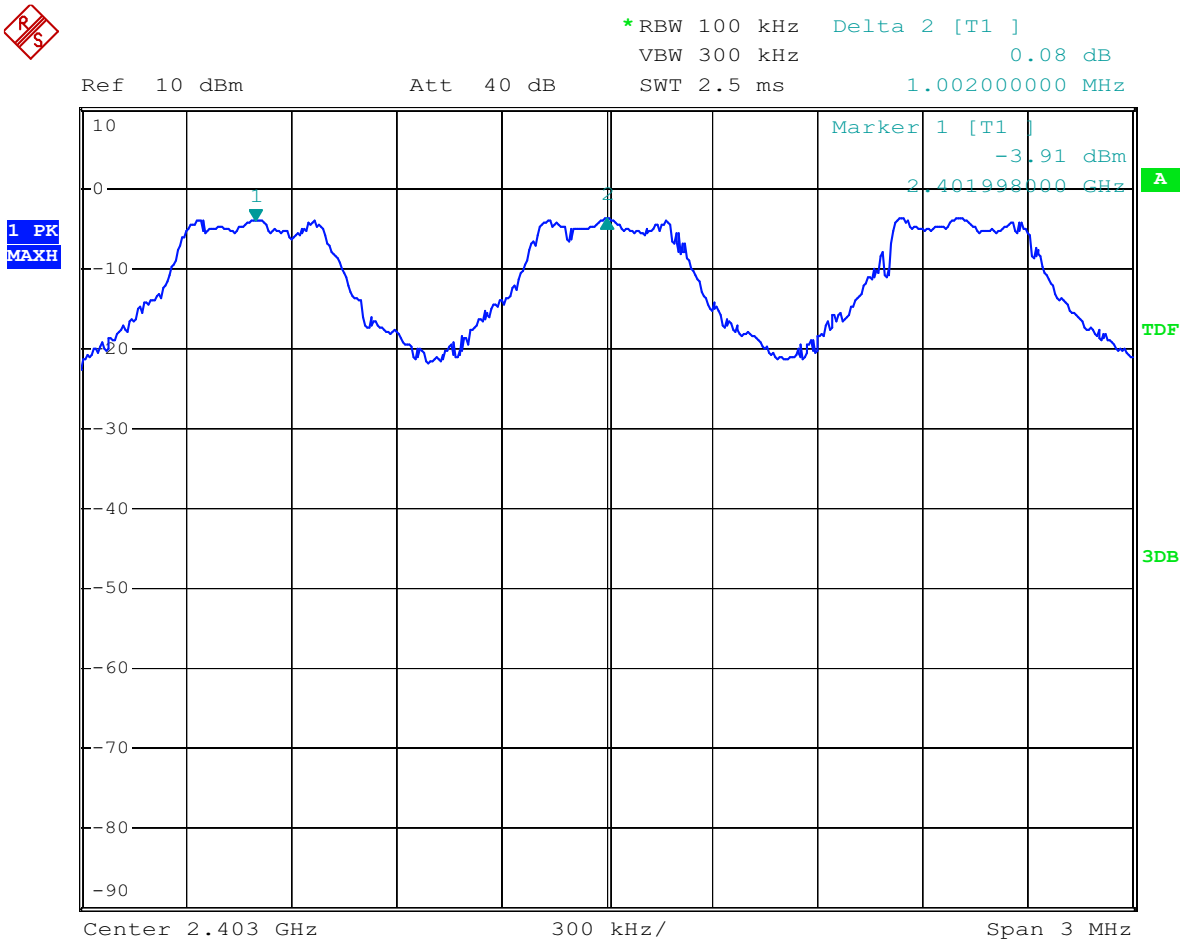
6.6. Test Result

PASS.

Date of Test:	December 31, 2008	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	Hopping	Test Engineer:	Joe

Channel	Channel Frequency (MHz)	Channel separation (MHz)	Limit
Low	2402	1.002	> the 20dB Bandwidth or 25kHz (whichever is greater)
Middle	2441	1.002	> the 20dB Bandwidth or 25kHz (whichever is greater)
High	2480	1.000	> the 20dB Bandwidth or 25kHz (whichever is greater)

The spectrum analyzer plots are attached as below.



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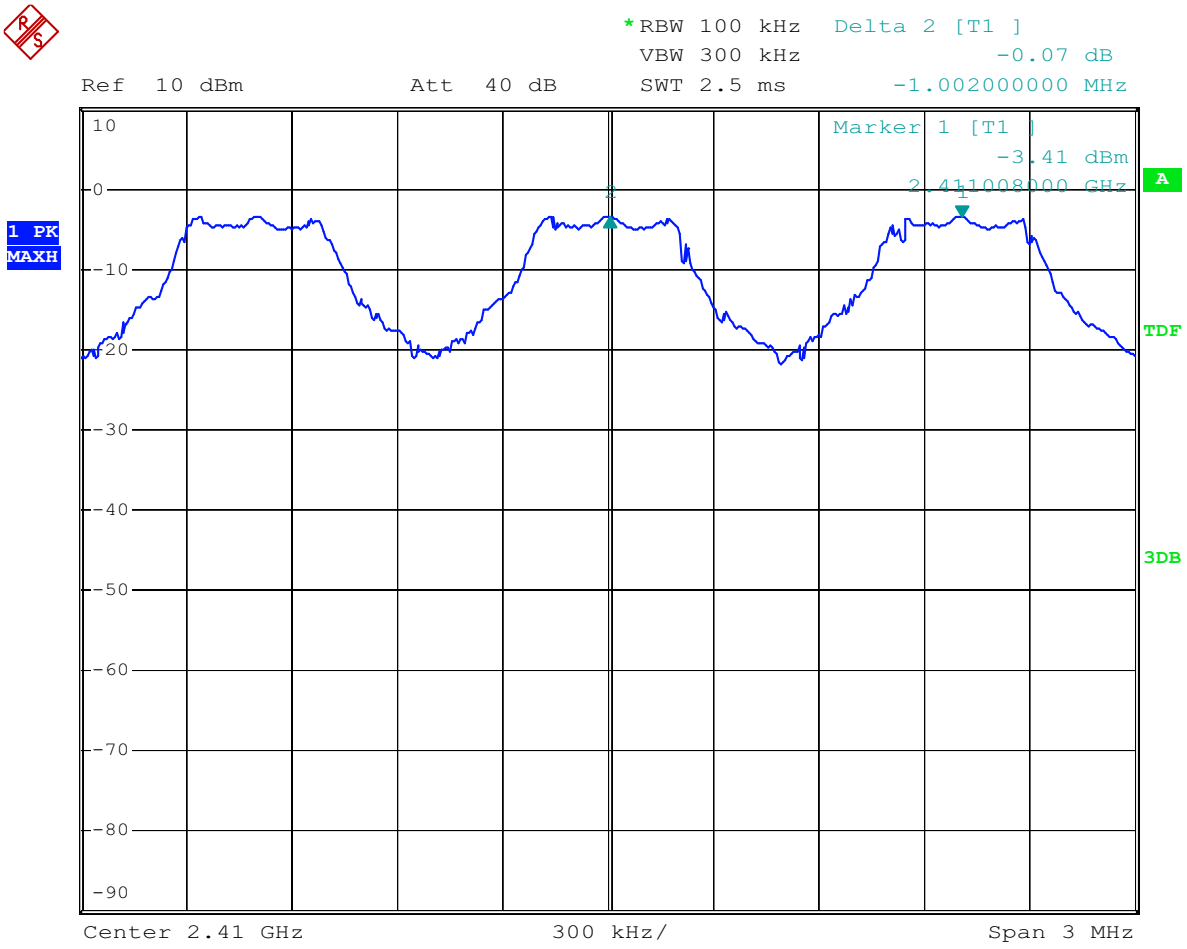

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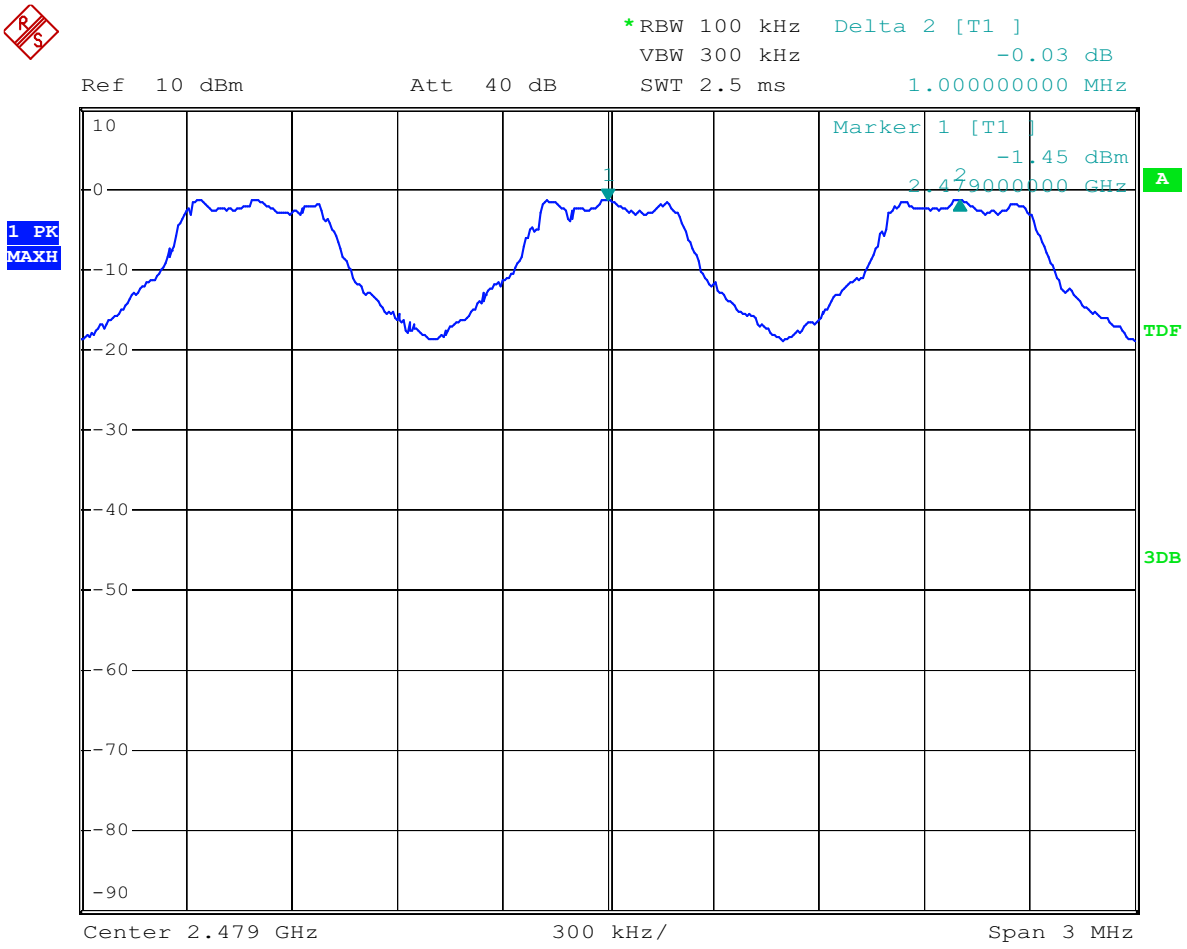

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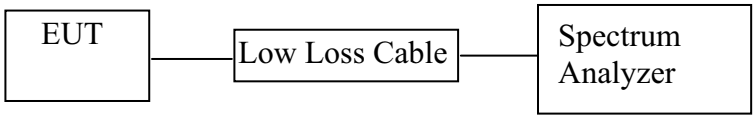
7. NUMBER OF HOPPING FREQUENCY TEST

7.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

7.2. The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

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	:	IS301RX
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 TX (Hopping on) modes measure it.

7.5. Test Procedure

7.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

7.5.2. Set the spectrum analyzer as Span=30MHz, RBW=300kHz, VBW=300kHz.

7.5.3. Max hold, view and count how many channel in the band.

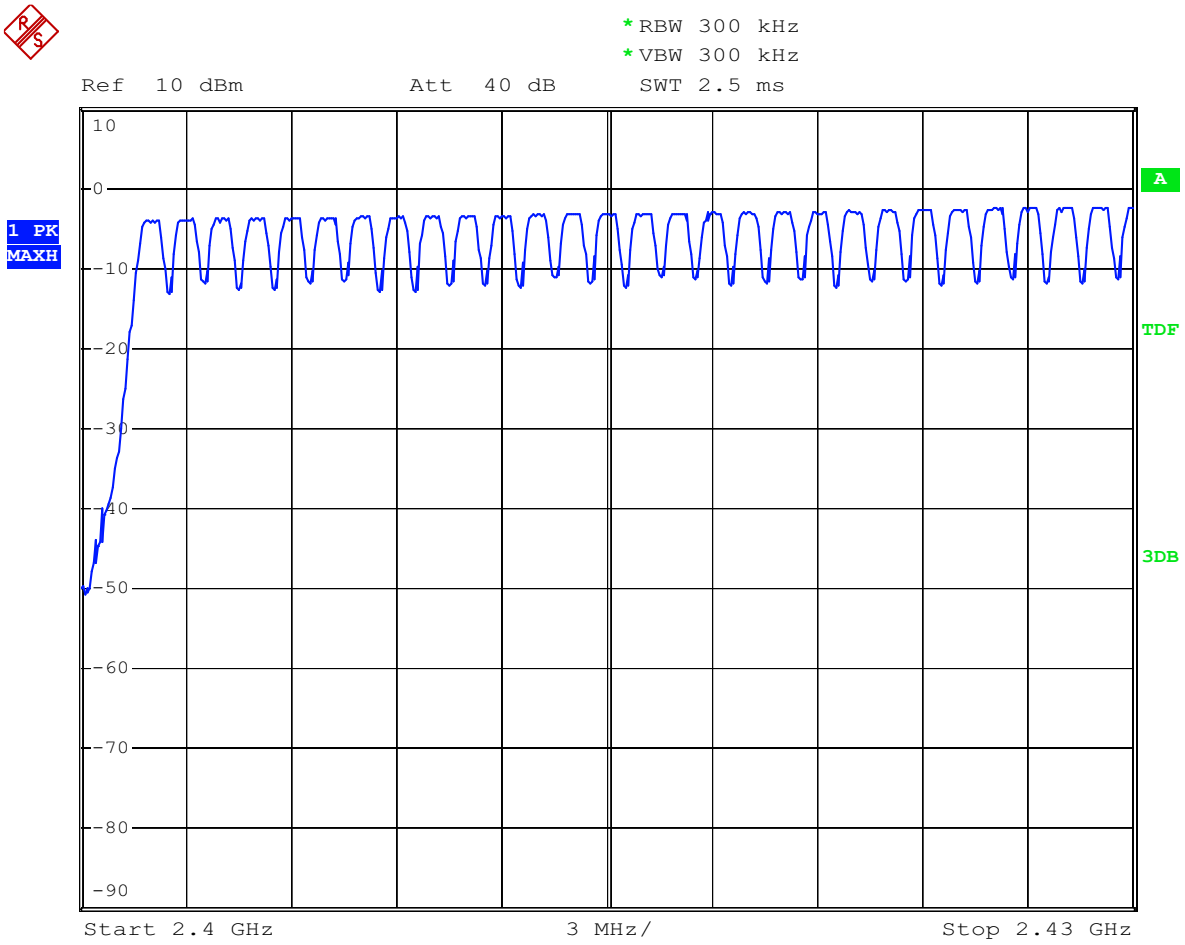
7.6. Test Result

PASS.

Date of Test:	December 31, 2008	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	Hopping	Test Engineer:	Joe

	Measurement result (CH)	Limit (CH)
Total number of hopping channel	79	>15

The spectrum analyzer plots are attached as below.



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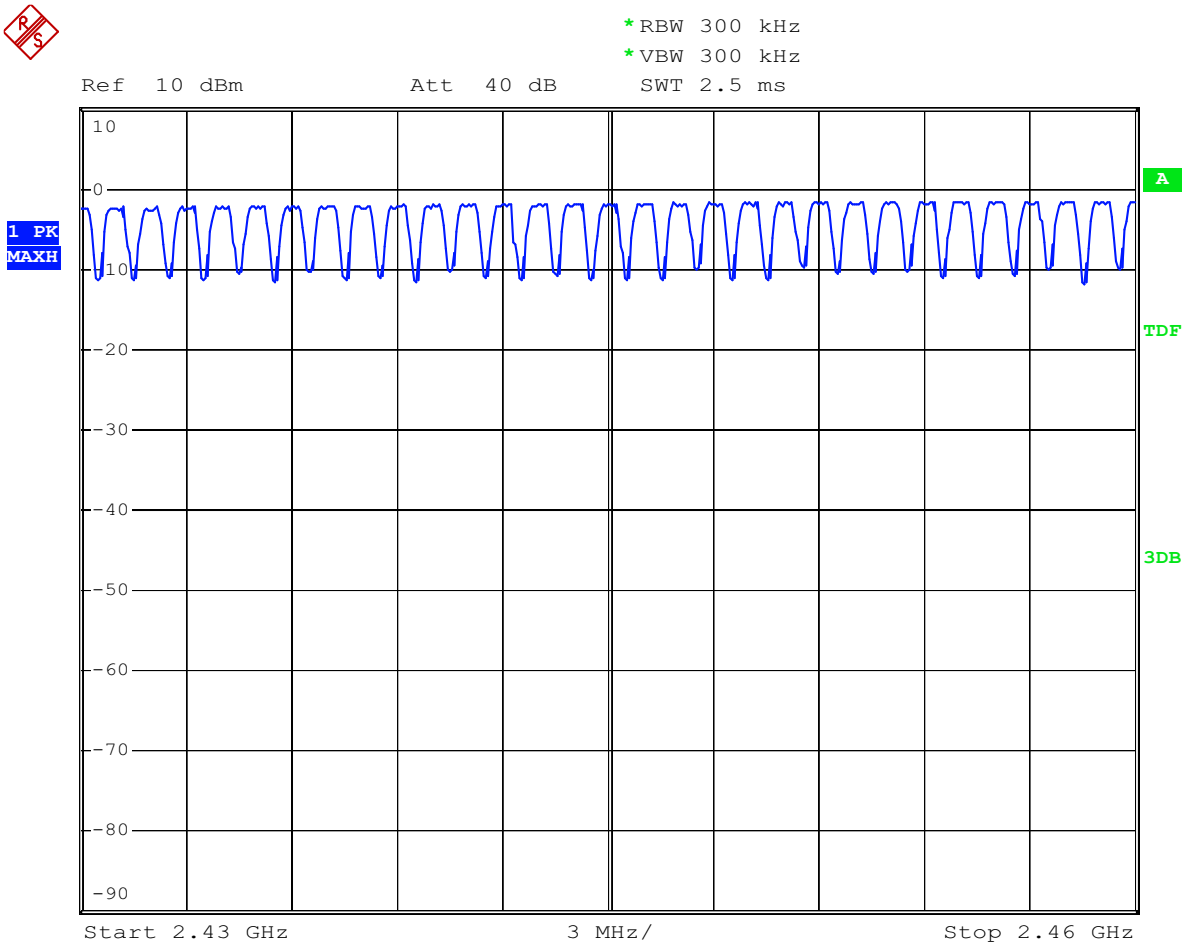

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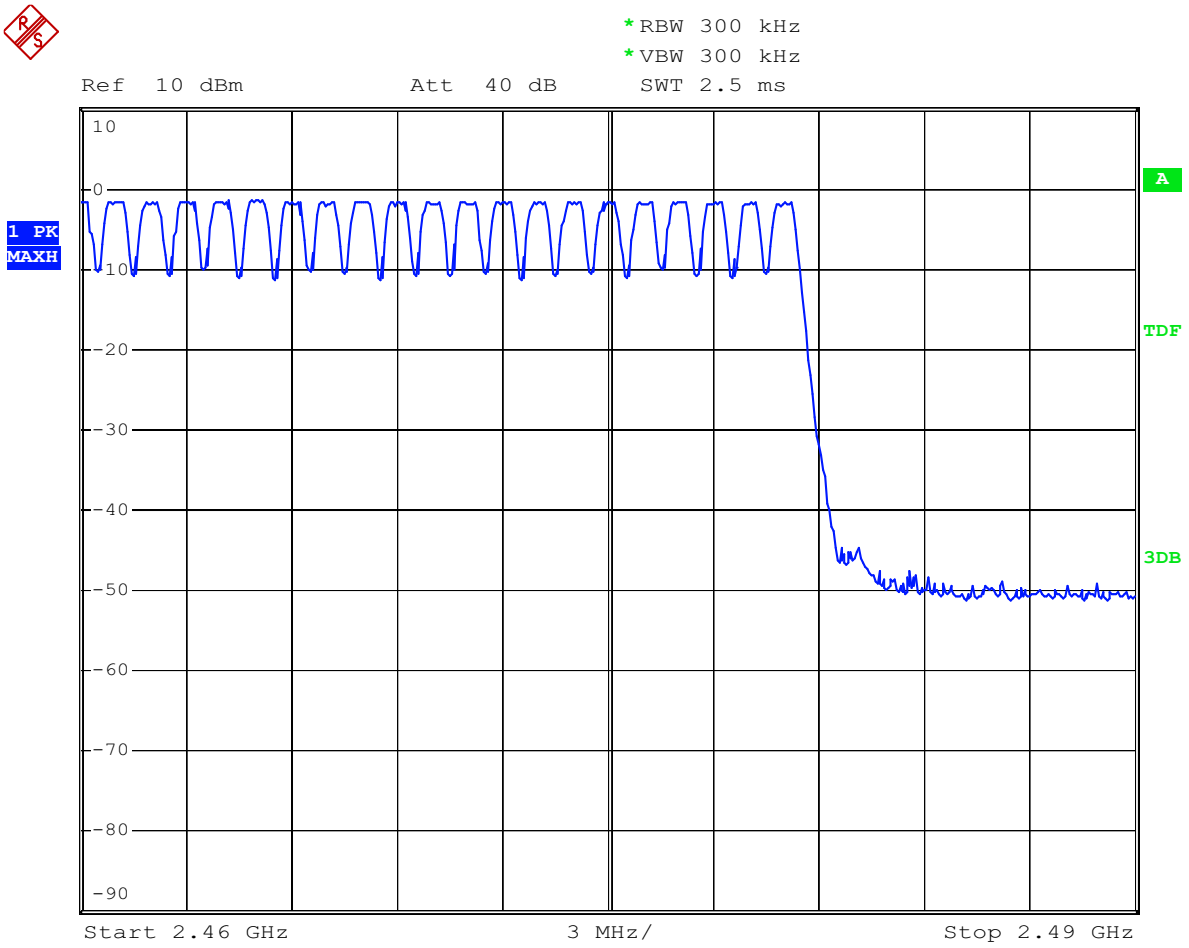

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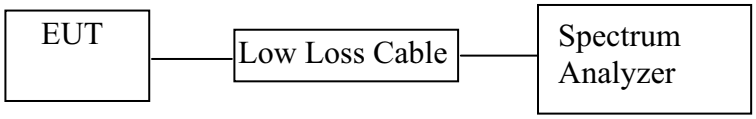
8. DWELL TIME TEST

8.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

8.2. The Requirement For Section 15.247(a)(1)(iii)

Section 15.247(a)(1)(iii): Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

8.3. 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.

8.3.1. Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
Serial Number	:	N/A
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited

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 (Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 2480MHz TX frequency to transmit.

8.5. Test Procedure

8.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

8.5.2. Set center frequency of spectrum analyzer = operating frequency.

8.5.3. Set the spectrum analyzer as RBW=100kHz, VBW=300kHz, Span=0Hz, Adjust Sweep=1s. Get the burst (in 1 sec.).

8.5.4. Set the spectrum analyzer as RBW=1MHz, VBW=3MHz, Span=0Hz, Adjust Sweep=2ms. Get the pulse time.

8.5.5. Repeat above procedures until all frequency measured were complete.

8.6. Test Result

PASS.

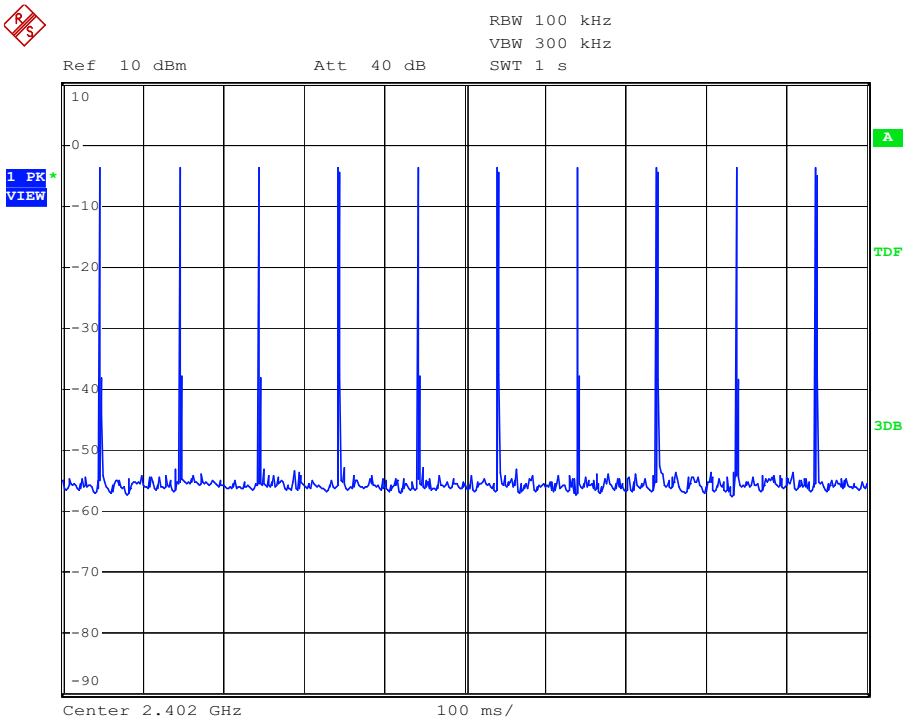
Date of Test:	December 31, 2008	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	Hopping	Test Engineer:	Joe

A period transmit time = 0.4 × 79 = 31.6

Dwell time = pulse time × burst (in 1 sec.)×31.6

Channel	Channel Frequency (MHz)	Pulse Time (ms)	Burst (in 1 sec.)	Dwell Time (ms)	Limit (ms)
Low	2402	0.568	10	179.49	400
Middle	2441	0.560	10	176.96	400
High	2480	0.544	10	171.90	400

The spectrum analyzer plots are attached as below.



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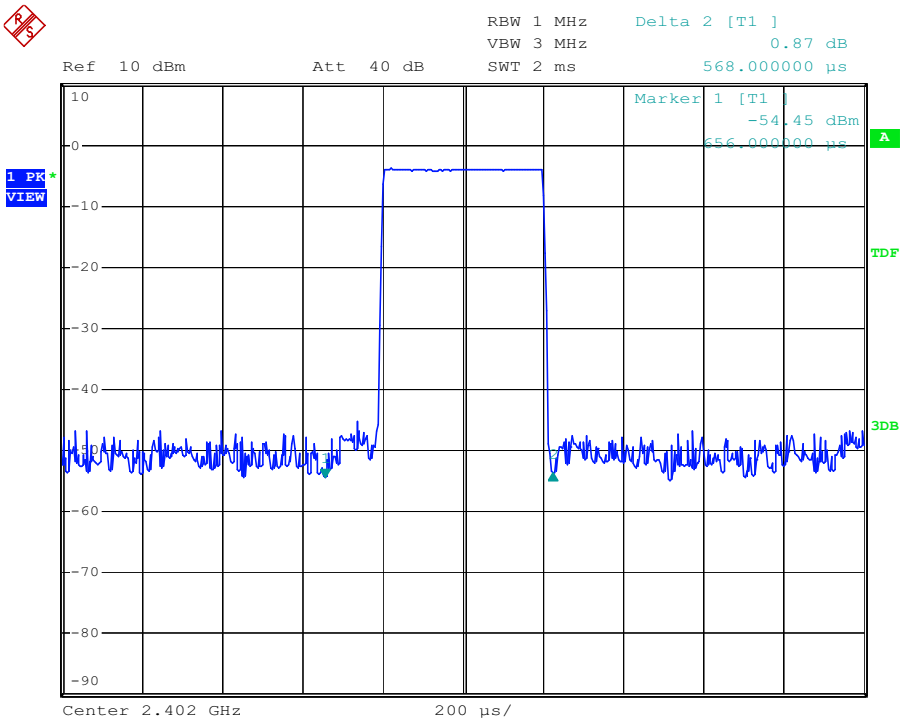

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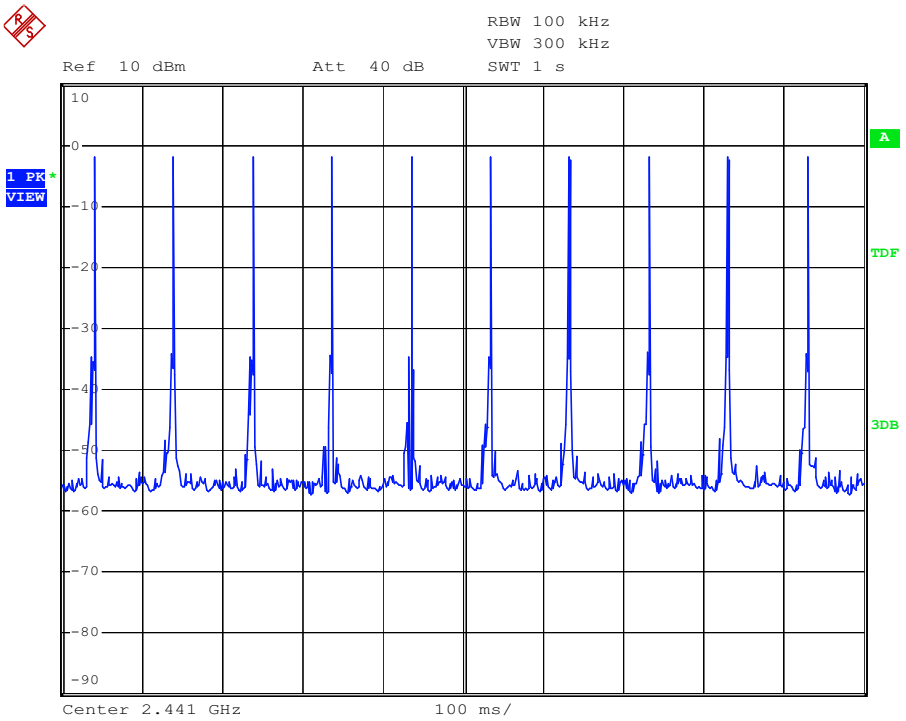

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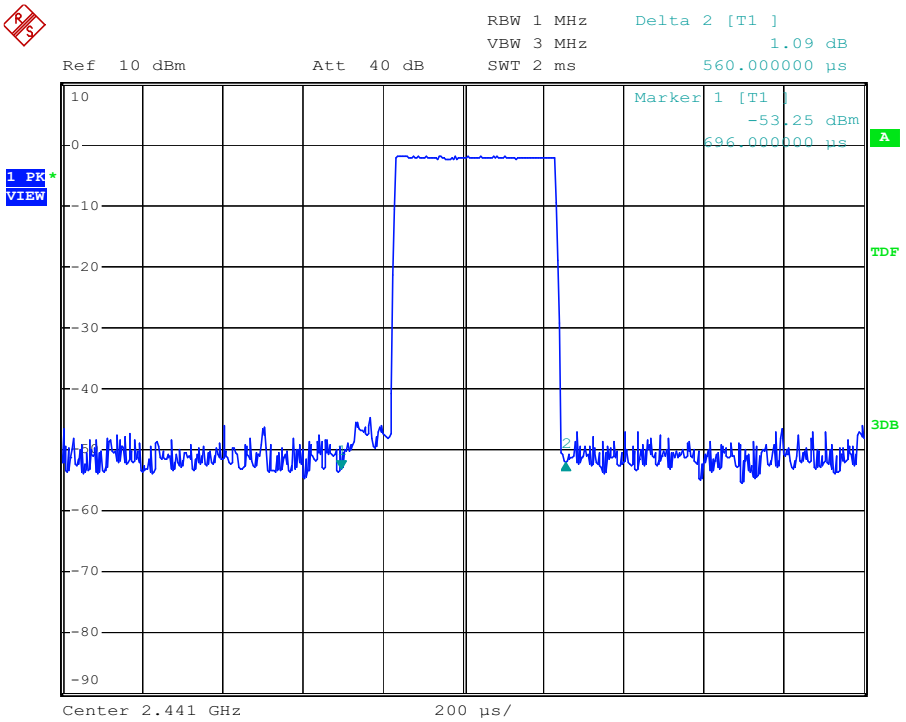

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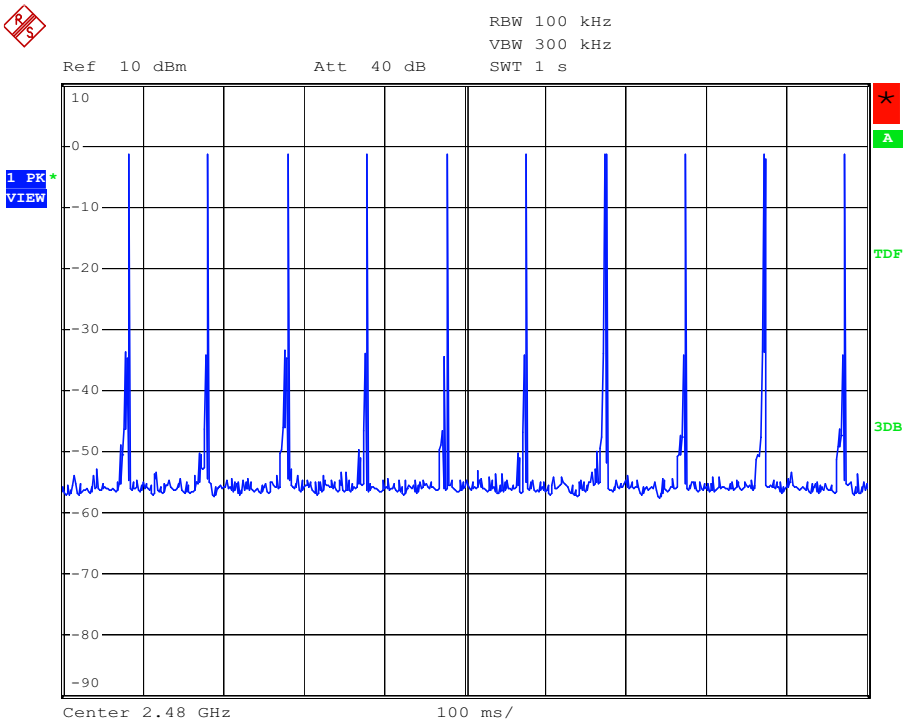

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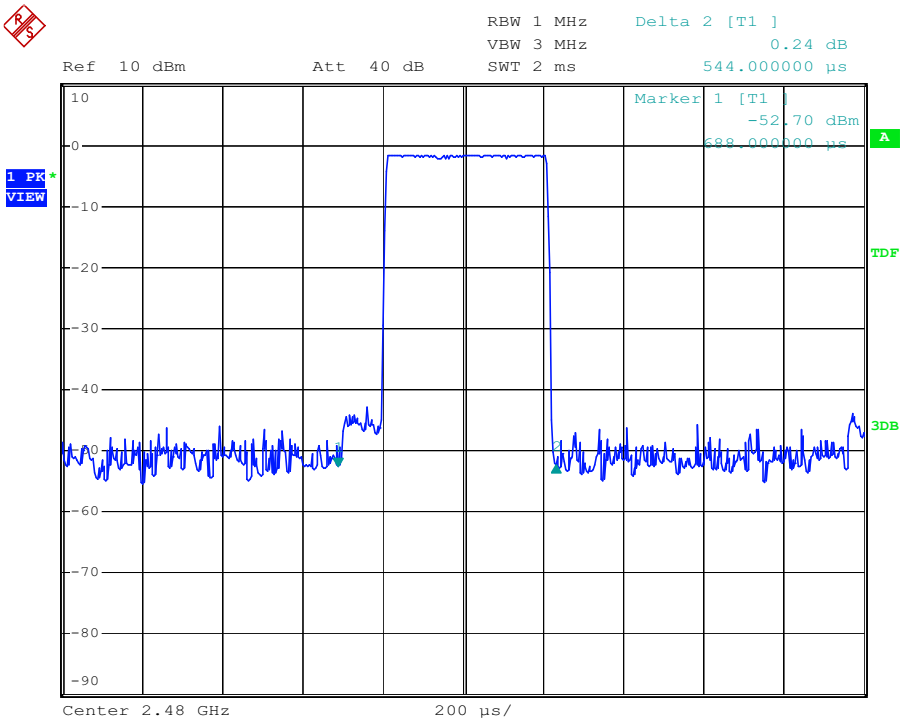
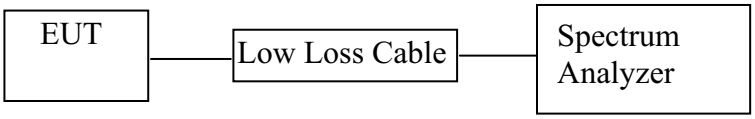


Date: 31.DEC.2008 15:39:45

9. MAXIMUM PEAK OUTPUT POWER TEST

9.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

9.2. The Requirement For Section 15.247(b)(1)

Section 15.247(b)(1): For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

9.3. 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.

9.3.1. Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
Serial Number	:	N/A
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited

9.4. Operating Condition of EUT

9.4.1. Setup the EUT and simulator as shown as Section 9.1.

9.4.2. Turn on the power of all equipment.

9.4.3. Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 2480MHz TX frequency to transmit.

9.5. Test Procedure

9.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

9.5.2. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.

9.5.3. Measurement the maximum peak output power.

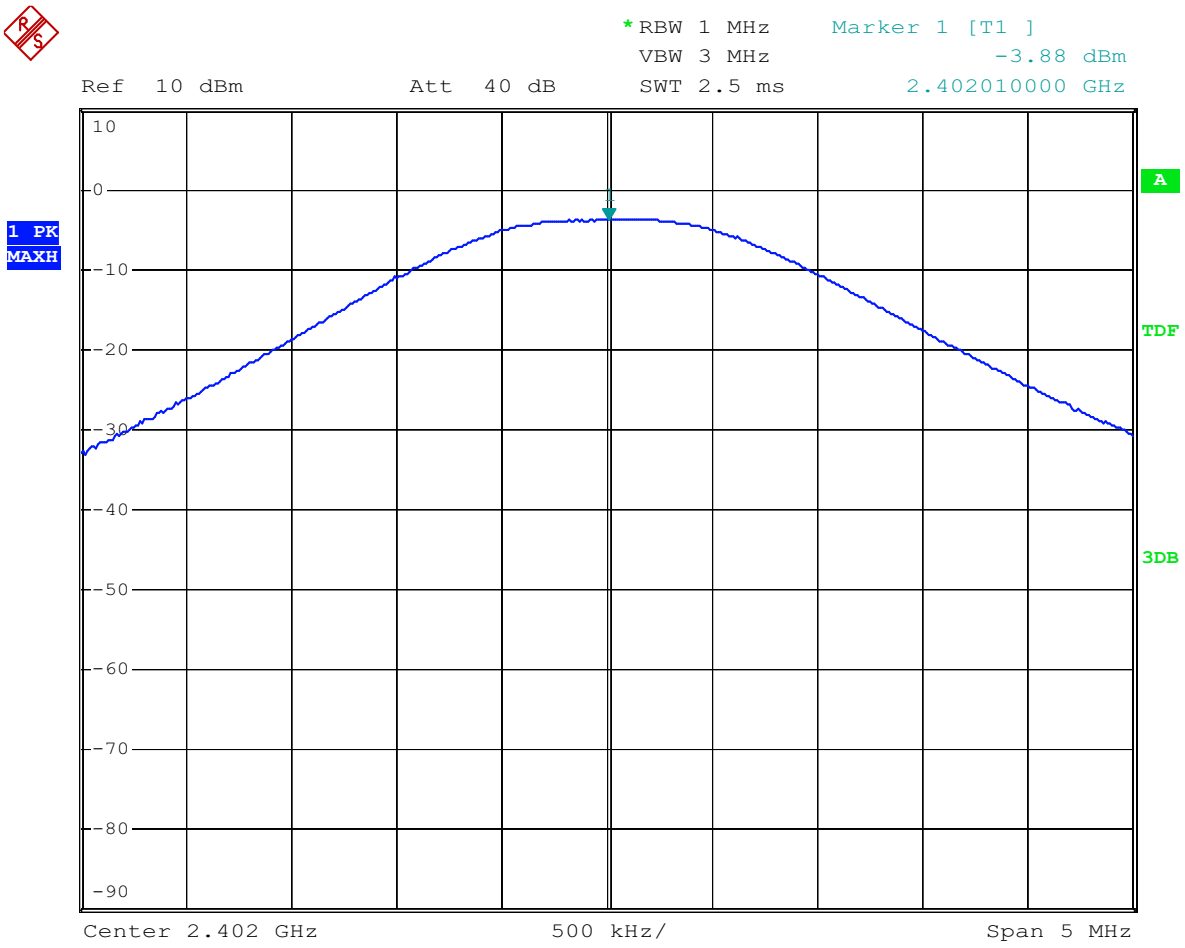
9.6. Test Result

PASS.

Date of Test:	December 31, 2008	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	TX	Test Engineer:	Joe

Channel	Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Limits dBm / W
Low	2402	-3.88	0.409	30 dBm / 1 W
Middle	2441	-1.95	0.638	30 dBm / 1 W
High	2480	-1.63	0.687	30 dBm / 1 W

The spectrum analyzer plots are attached as below.



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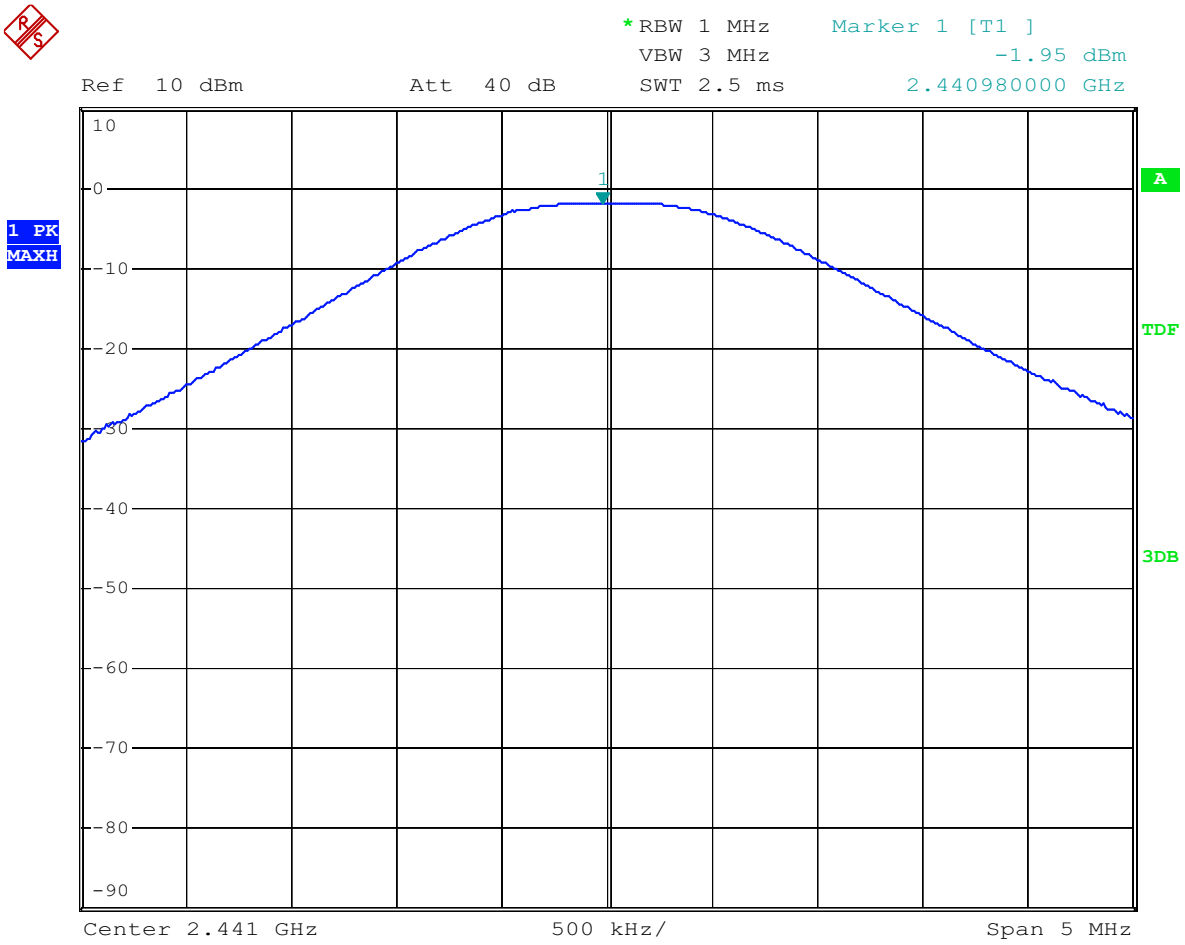
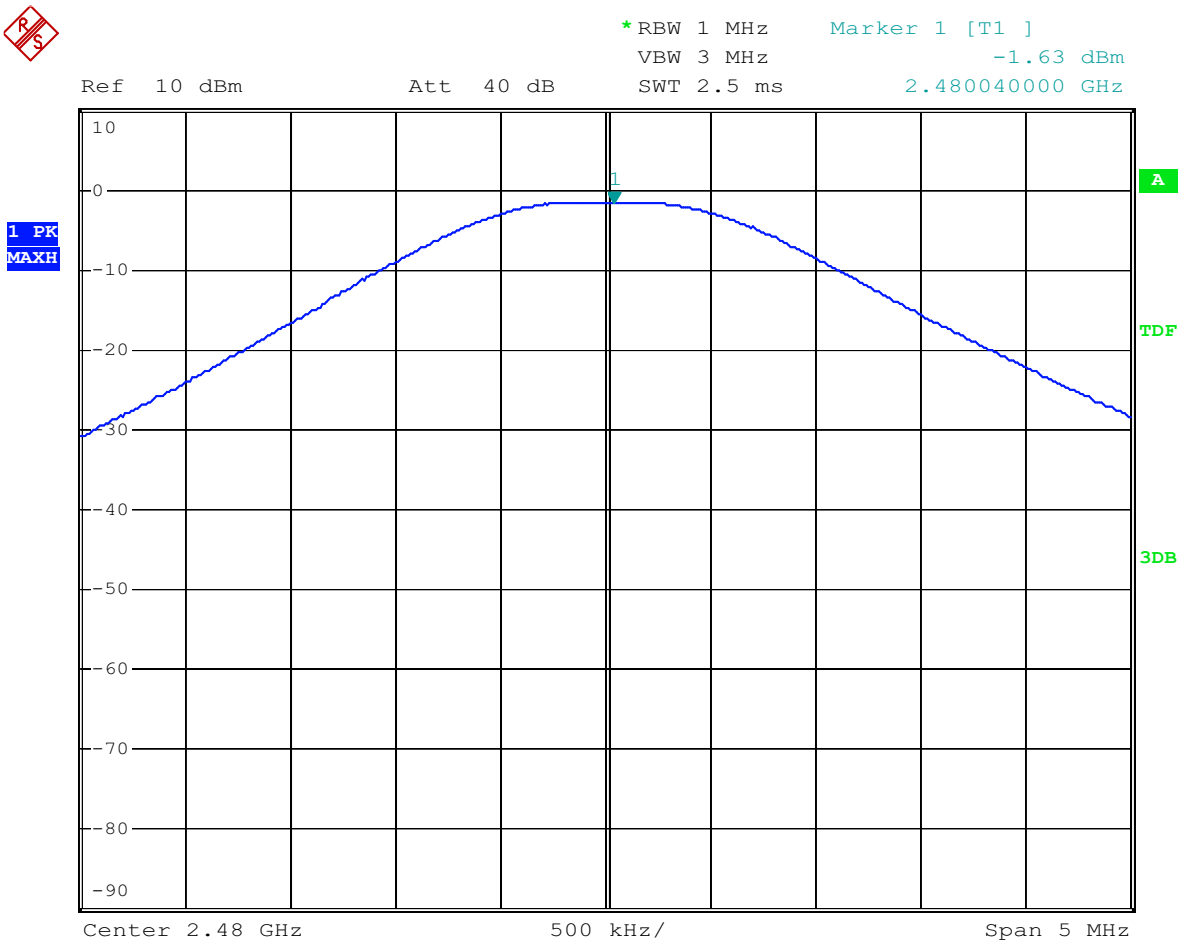


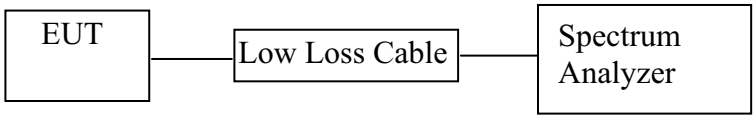
Date: 31.DEC.2008 15:42:29



Date: 31.DEC.2008 15:43:24

10. BAND EDGE COMPLIANCE TEST

10.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

10.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

10.3. 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.

10.3.1. Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
Serial Number	:	N/A
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited

10.4.Operating Condition of EUT

10.4.1.Setup the EUT and simulator as shown as Section 10.1.

10.4.2.Turn on the power of all equipment.

10.4.3.Let the EUT work in TX (Hopping off, Hopping on) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

10.5.Test Procedure

10.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

10.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

10.5.3.The band edges was measured and recorded.

10.6.Test Result

Pass

Date of Test:	January 4, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	TX (Hopping off)	Test Engineer:	Joe

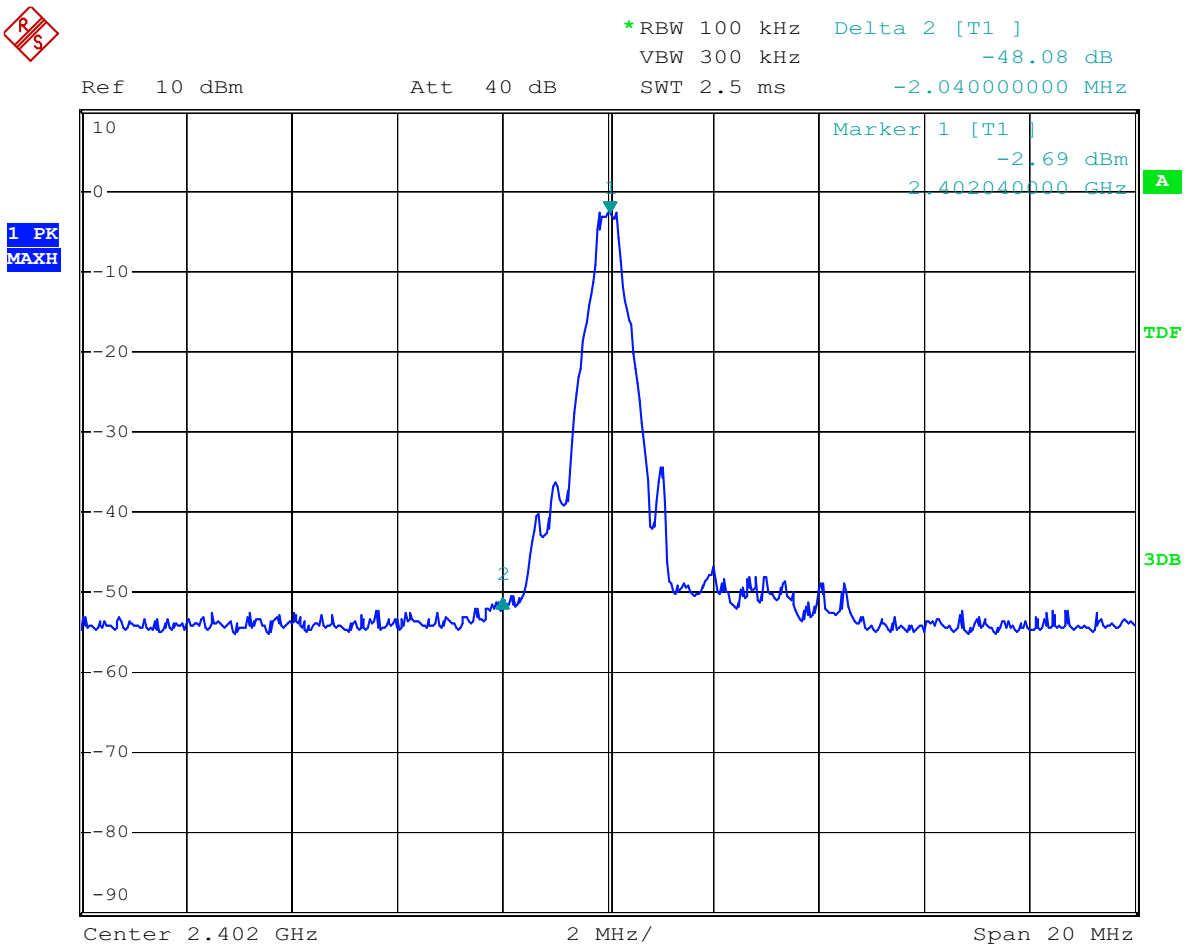
Conducted test

Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2402	48.08	> 20dBc
2480	46.06	> 20dBc

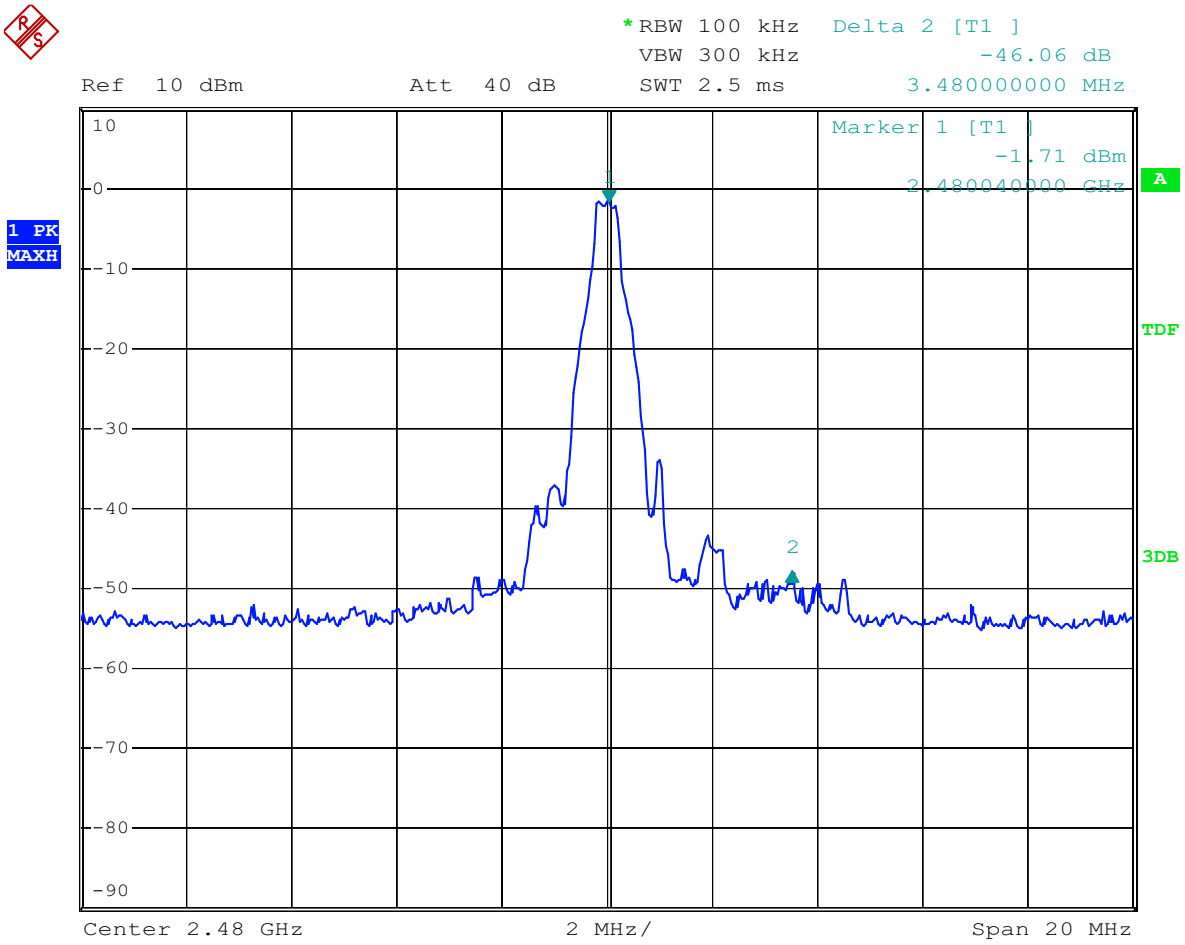
Date of Test:	January 4, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
Model No.:	IS301RX	Power Supply:	DC 8V (Adapter input)
Test Mode:	TX (Hopping on)	Test Engineer:	Joe

Conducted test

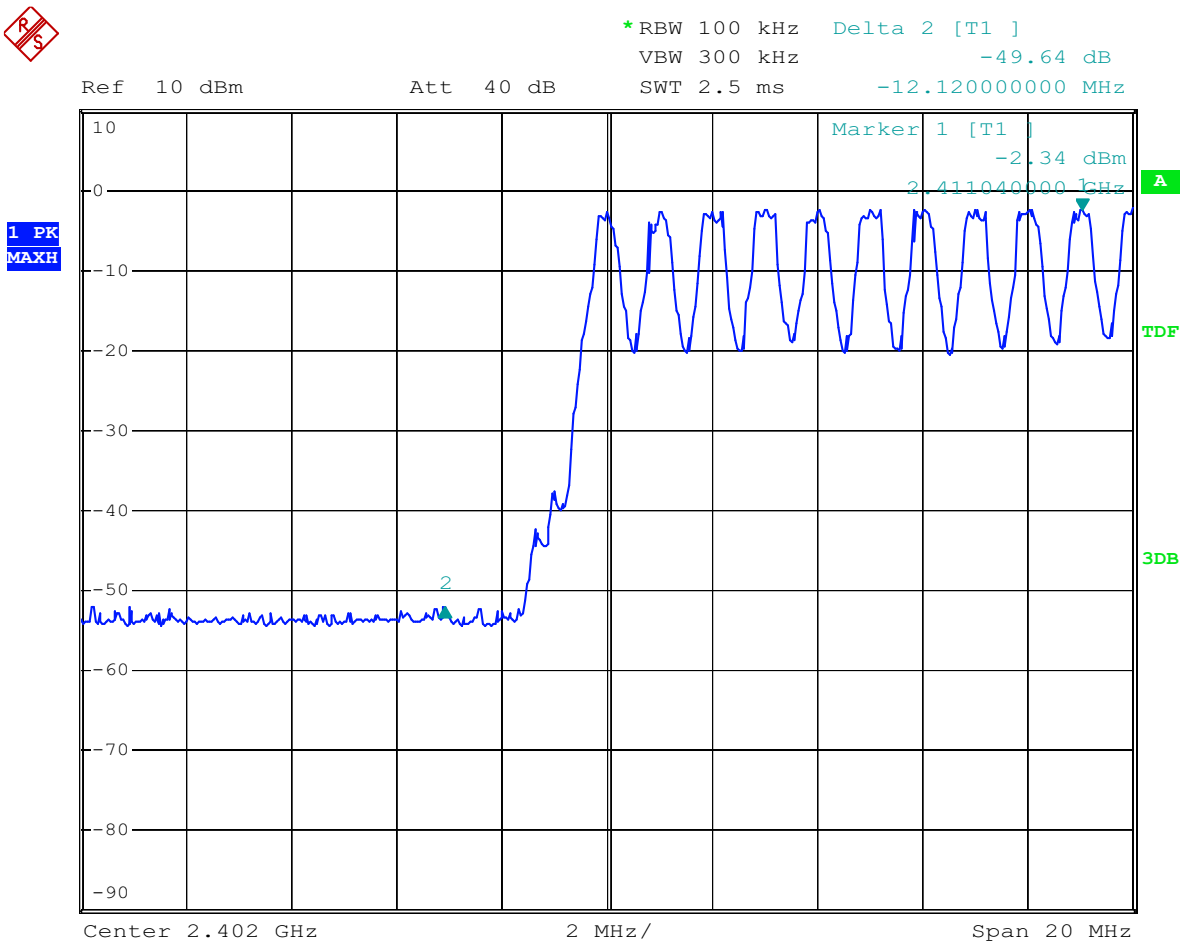
Frequency (MHz)	Result of Band Edge (dBc)	Limit of Band Edge (dBc)
2402	49.64	> 20dBc
2480	48.38	> 20dBc



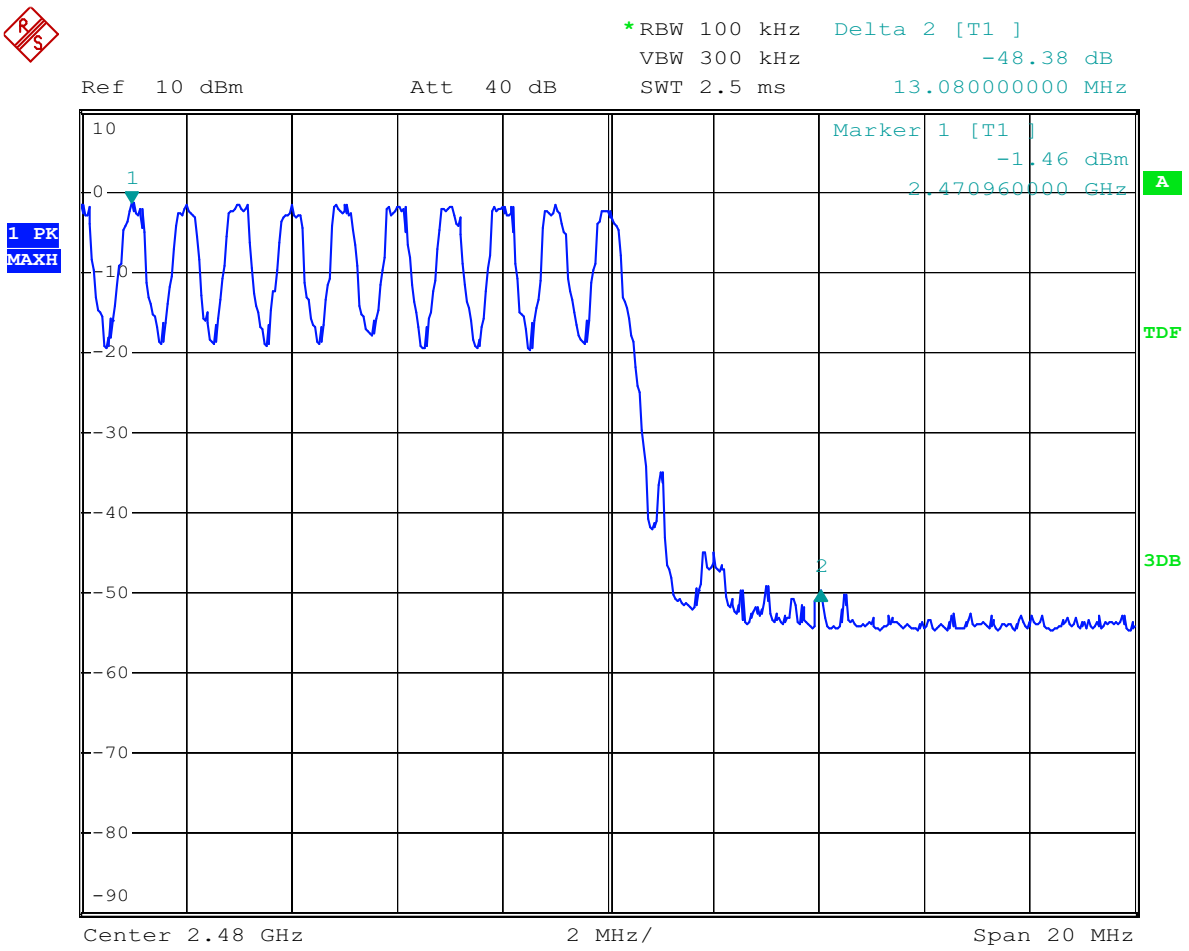
Date: 4.JAN.2009 14:49:32



Date: 4.JAN.2009 14:52:01



Date: 4.JAN.2009 14:43:47

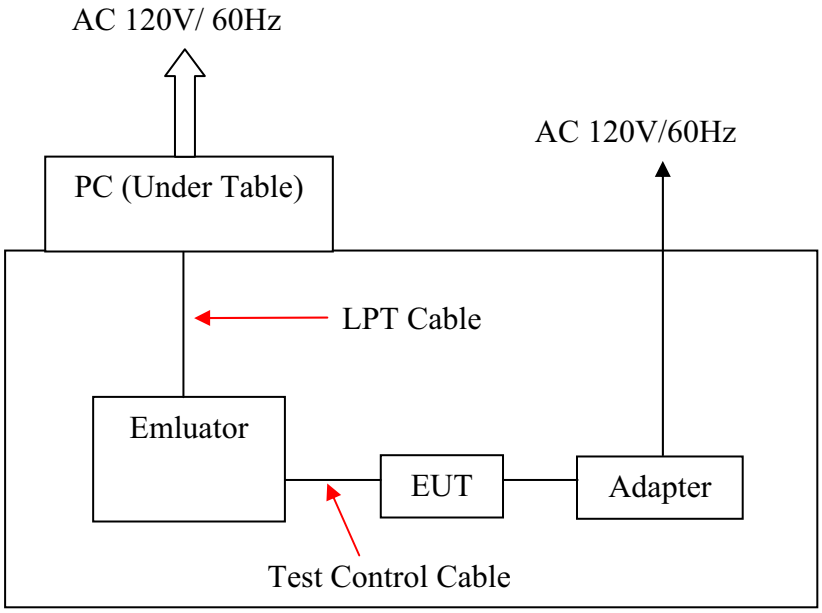


Date: 4.JAN.2009 14:47:40

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

11.1. Block Diagram of Test Setup

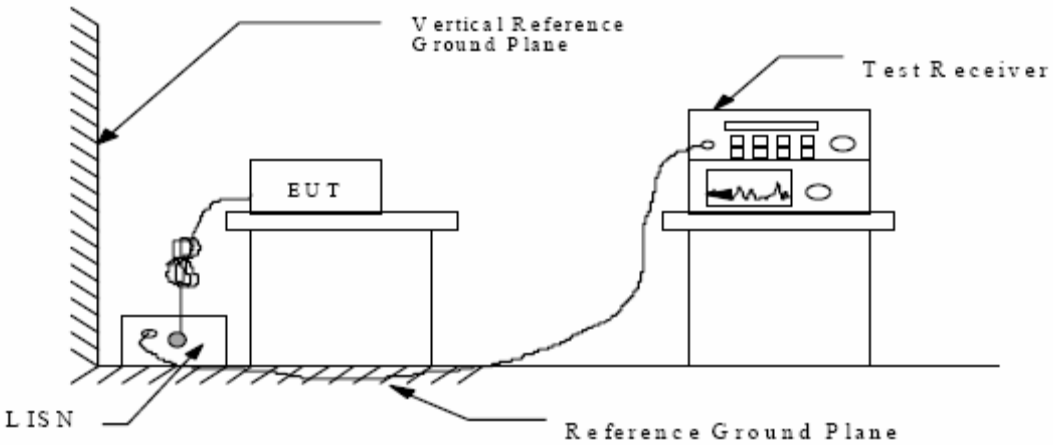
11.1.1. Block diagram of connection between the EUT and simulators



Setup: Transmitting mode

(EUT: Wireless Dock for iPod)

11.1.2. Shielding Room Test Setup Diagram



(EUT: Wireless Dock for iPod)

11.2.The Emission Limit

11.2.1.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.

11.3.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.

11.3.1.Wireless Dock for iPod (EUT)

Model Number : IS301RX
Serial Number : N/A
Manufacturer : Mei Hua Electronics (Hui Zhou) Limited

11.4.Operating Condition of EUT

11.4.1.Setup the EUT and simulator as shown as Section 11.1.

11.4.2.Turn on the power of all equipment.

11.4.3.Let the EUT work in TX(Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2441MHz, 2480MHz TX frequency to transmit.

11.5.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.

11.6.Power Line Conducted Emission Measurement Results

PASS.

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

Date of Test:	January 6, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
			DC 8V (Adapter input)
Model No.:	IS301RX	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	TX 2402MHz	Test Engineer:	Joe

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.163500	41.50	11.1	65	23.8	QP	N	GND
0.568500	36.80	12.0	56	19.2	QP	N	GND
9.357000	33.70	11.3	60	26.3	QP	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	29.50	11.8	48	18.8	AV	N	GND
0.568500	26.50	12.0	46	19.5	AV	N	GND
9.222000	27.20	11.3	50	22.8	AV	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.181500	43.80	11.2	64	20.6	QP	L1	GND
0.420000	36.70	11.9	57	20.7	QP	L1	GND
9.330000	35.40	11.3	60	24.6	QP	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.429000	28.40	11.9	47	18.9	AV	L1	GND
9.420000	29.00	11.3	50	21.0	AV	L1	GND

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

Date of Test:	January 6, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
			DC 8V (Adapter input)
Model No.:	IS301RX	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	TX 2441MHz	Test Engineer:	Joe

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.393000	37.90	11.8	58	20.1	QP	N	GND
0.568500	36.80	12.0	56	19.2	QP	N	GND
9.262500	34.00	11.3	60	26.0	QP	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	29.40	11.8	48	18.9	AV	N	GND
0.555000	26.90	12.0	46	19.1	AV	N	GND
9.285000	27.60	11.3	50	22.4	AV	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.190500	42.10	11.2	64	21.9	QP	L1	GND
0.429000	36.70	11.9	57	20.6	QP	L1	GND
9.231000	34.90	11.3	60	25.1	QP	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.384000	27.60	11.8	48	20.6	AV	L1	GND
0.429000	28.30	11.9	47	19.0	AV	L1	GND
9.411000	28.90	11.3	50	21.1	AV	L1	GND

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

Date of Test:	January 6, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	48%
			DC 8V (Adapter input)
Model No.:	IS301RX	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	TX 2480MHz	Test Engineer:	Joe

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.388500	37.80	11.8	58	20.3	QP	N	GND
0.568500	36.70	12.0	56	19.3	QP	N	GND
9.082500	33.10	11.3	60	26.9	QP	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.384000	29.20	11.8	48	19.0	AV	N	GND
0.568500	26.30	12.0	46	19.7	AV	N	GND
9.316500	27.40	11.3	50	22.6	AV	N	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.168000	41.20	11.1	65	23.9	QP	L1	GND
0.393000	36.50	11.8	58	21.5	QP	L1	GND
9.127500	34.00	11.3	60	26.0	QP	L1	GND

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	27.90	11.8	48	20.4	AV	L1	GND
0.433500	27.90	11.9	47	19.3	AV	L1	GND
9.388500	28.80	11.3	50	21.2	AV	L1	GND

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

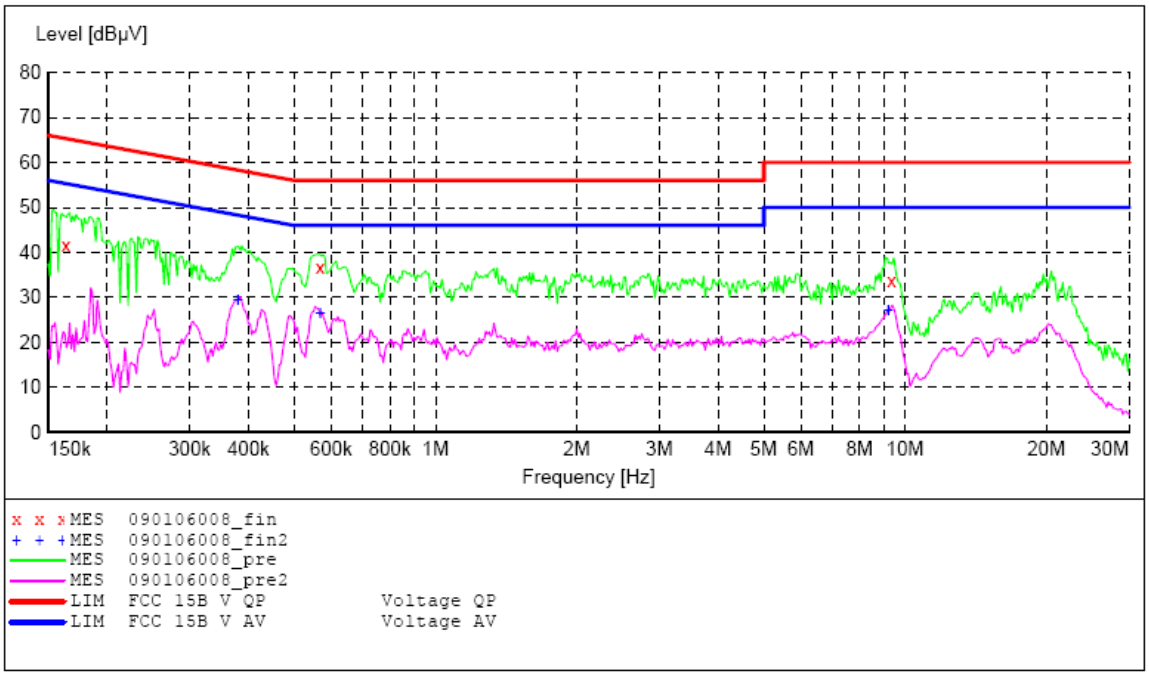
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

```
EUT:                  Wireless Dock for iPod    M/N:IS301RX
Manufacturer:         Nicetex
Operating Condition:  TX 2402MHz
Test Site:            1#Shielding Room
Operator:             Joe
Test Specification:   Va 120V/60Hz
Comment:              Sample No.:084473    Report No.:ATE20082471
Start of Test:        1/6/2009 / 6:18:28PM
```

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: "090106008_fin"

1/6/2009 6:22PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.163500	41.50	11.1	65	23.8	QP	N	GND
0.568500	36.80	12.0	56	19.2	QP	N	GND
9.357000	33.70	11.3	60	26.3	QP	N	GND

MEASUREMENT RESULT: "090106008_fin2"

1/6/2009 6:22PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	29.50	11.8	48	18.8	AV	N	GND
0.568500	26.50	12.0	46	19.5	AV	N	GND
9.222000	27.20	11.3	50	22.8	AV	N	GND

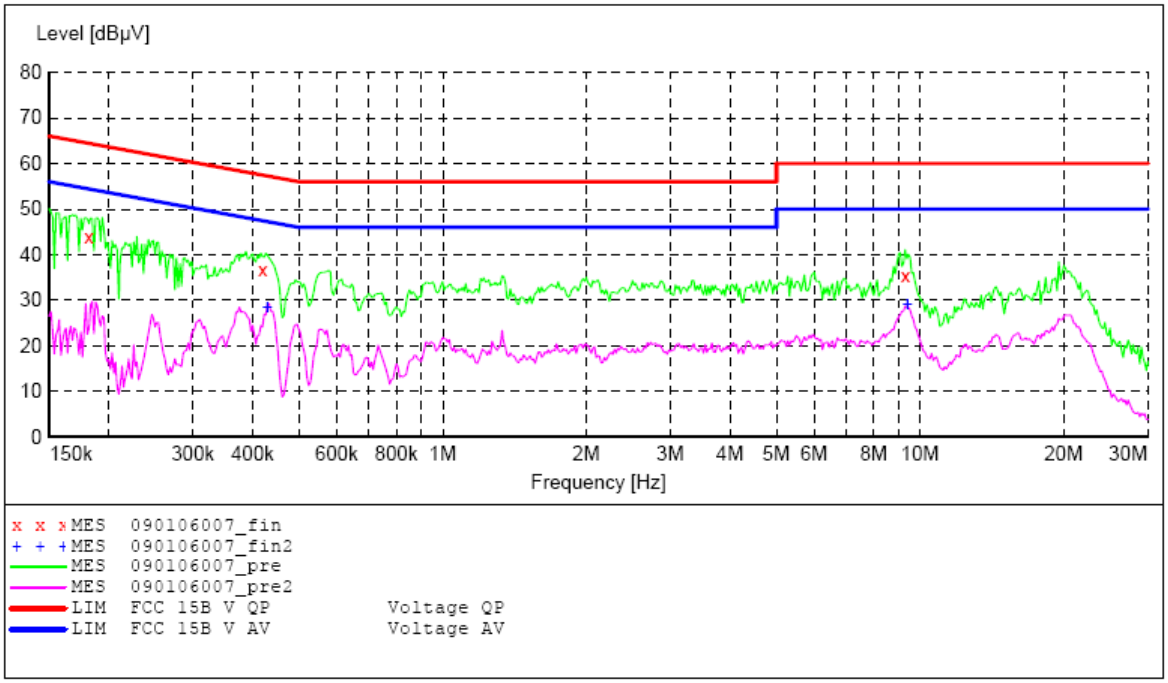
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

```
EUT:                  Wireless Dock for iPod    M/N:IS301RX
Manufacturer:         Nicetex
Operating Condition:  TX 2402MHz
Test Site:            1#Shielding Room
Operator:             Joe
Test Specification:   Vb 120V/60Hz
Comment:              Sample No.:084473    Report No.:ATE20082471
Start of Test:        1/6/2009 / 6:13:47PM
```

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: "090106007_fin"

1/6/2009 6:17PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.181500	43.80	11.2	64	20.6	QP	L1	GND
0.420000	36.70	11.9	57	20.7	QP	L1	GND
9.330000	35.40	11.3	60	24.6	QP	L1	GND

MEASUREMENT RESULT: "090106007_fin2"

1/6/2009 6:17PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.429000	28.40	11.9	47	18.9	AV	L1	GND
9.420000	29.00	11.3	50	21.0	AV	L1	GND

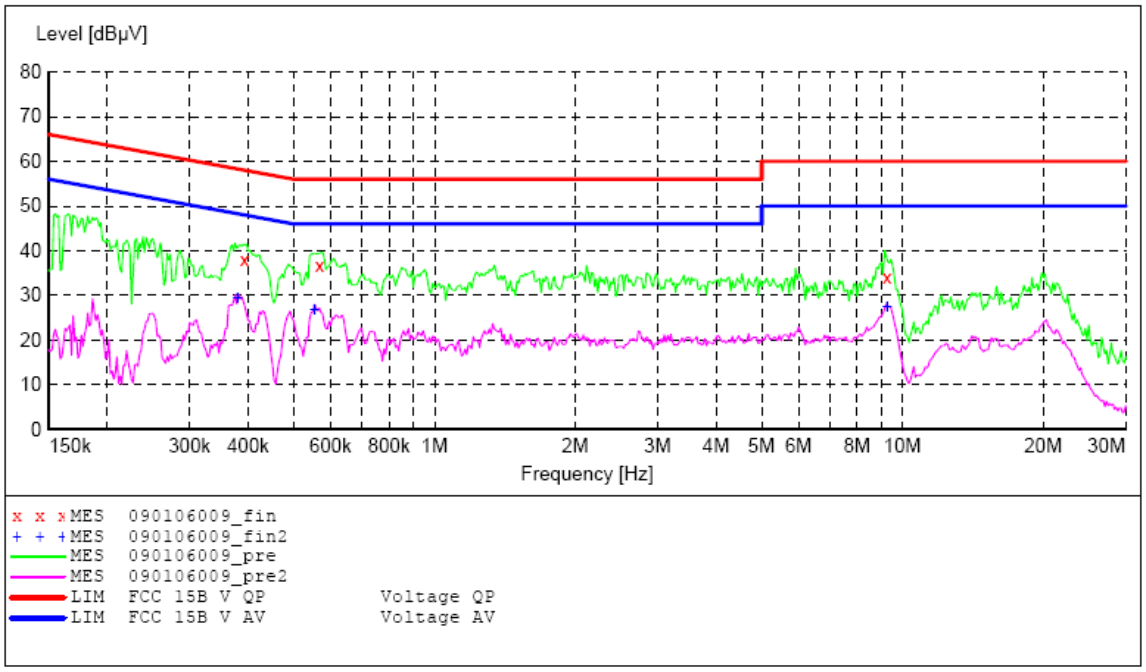
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

```
EUT:                  Wireless Dock for iPod    M/N:IS301RX
Manufacturer:         Nicetex
Operating Condition:  TX 2441MHz
Test Site:            1#Shielding Room
Operator:             Joe
Test Specification:   Va 120V/60Hz
Comment:              Sample No.:084473    Report No.:ATE20082471
Start of Test:        1/6/2009 / 6:23:48PM
```

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: "090106009_fin"

1/6/2009 6:27PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.393000	37.90	11.8	58	20.1	QP	N	GND
0.568500	36.80	12.0	56	19.2	QP	N	GND
9.262500	34.00	11.3	60	26.0	QP	N	GND

MEASUREMENT RESULT: "090106009_fin2"

1/6/2009 6:27PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	29.40	11.8	48	18.9	AV	N	GND
0.555000	26.90	12.0	46	19.1	AV	N	GND
9.285000	27.60	11.3	50	22.4	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

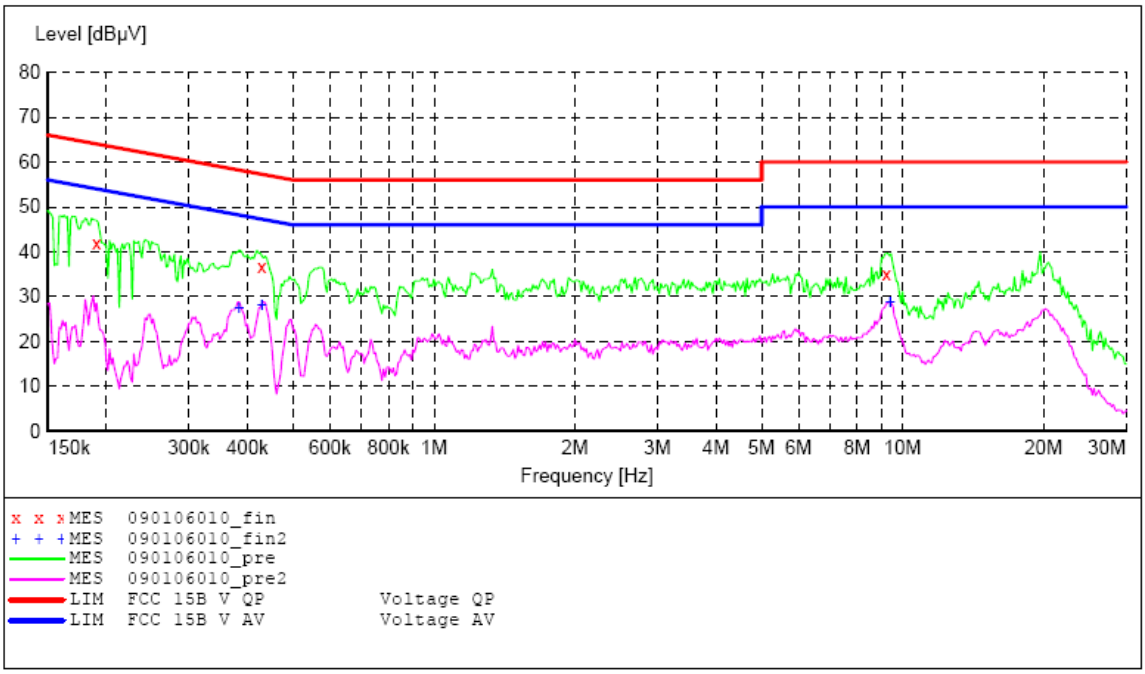
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Wireless Dock for iPod M/N:IS301RX
Manufacturer: Nicetex
Operating Condition: TX 2441MHz
Test Site: 1#Shielding Room
Operator: Joe
Test Specification: Vb 120V/60Hz
Comment: Sample No.:084473 Report No.:ATE20082471
Start of Test: 1/6/2009 / 6:28:13PM

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

Short Description: _SUB_STD_VTERM2 1.70

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



MEASUREMENT RESULT: "090106010_fin"

1/6/2009 6:31PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.190500	42.10	11.2	64	21.9	QP	L1	GND
0.429000	36.70	11.9	57	20.6	QP	L1	GND
9.231000	34.90	11.3	60	25.1	QP	L1	GND

MEASUREMENT RESULT: "090106010_fin2"

1/6/2009 6:31PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.384000	27.60	11.8	48	20.6	AV	L1	GND
0.429000	28.30	11.9	47	19.0	AV	L1	GND
9.411000	28.90	11.3	50	21.1	AV	L1	GND

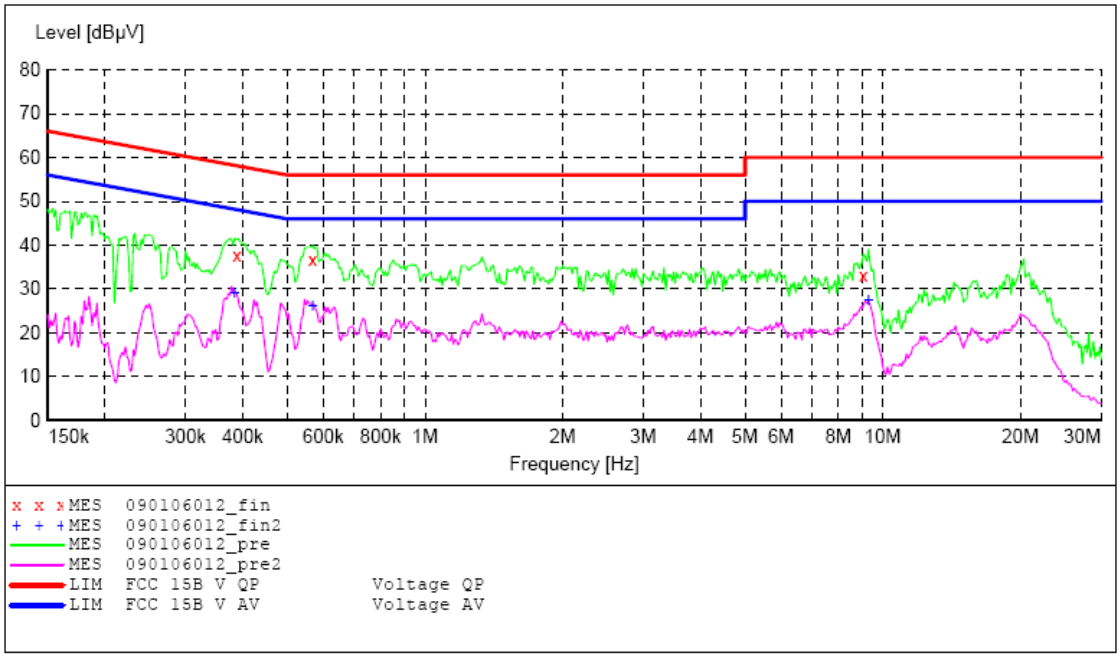
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15B

```
EUT:                  Wireless Dock for iPod    M/N:IS301RX
Manufacturer:         Nicetex
Operating Condition:  TX 2480MHz
Test Site:            1#Shielding Room
Operator:             Joe
Test Specification:   Va 120V/60Hz
Comment:              Sample No.:084473    Report No.:ATE20082471
Start of Test:        1/6/2009 / 6:38:04PM
```

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: "090106012_fin"

1/6/2009 6:42PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.388500	37.80	11.8	58	20.3	QP	N	GND
0.568500	36.70	12.0	56	19.3	QP	N	GND
9.082500	33.10	11.3	60	26.9	QP	N	GND

MEASUREMENT RESULT: "090106012_fin2"

1/6/2009 6:42PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.384000	29.20	11.8	48	19.0	AV	N	GND
0.568500	26.30	12.0	46	19.7	AV	N	GND
9.316500	27.40	11.3	50	22.6	AV	N	GND

ACCURATE TECHNOLOGY CO.,LTD

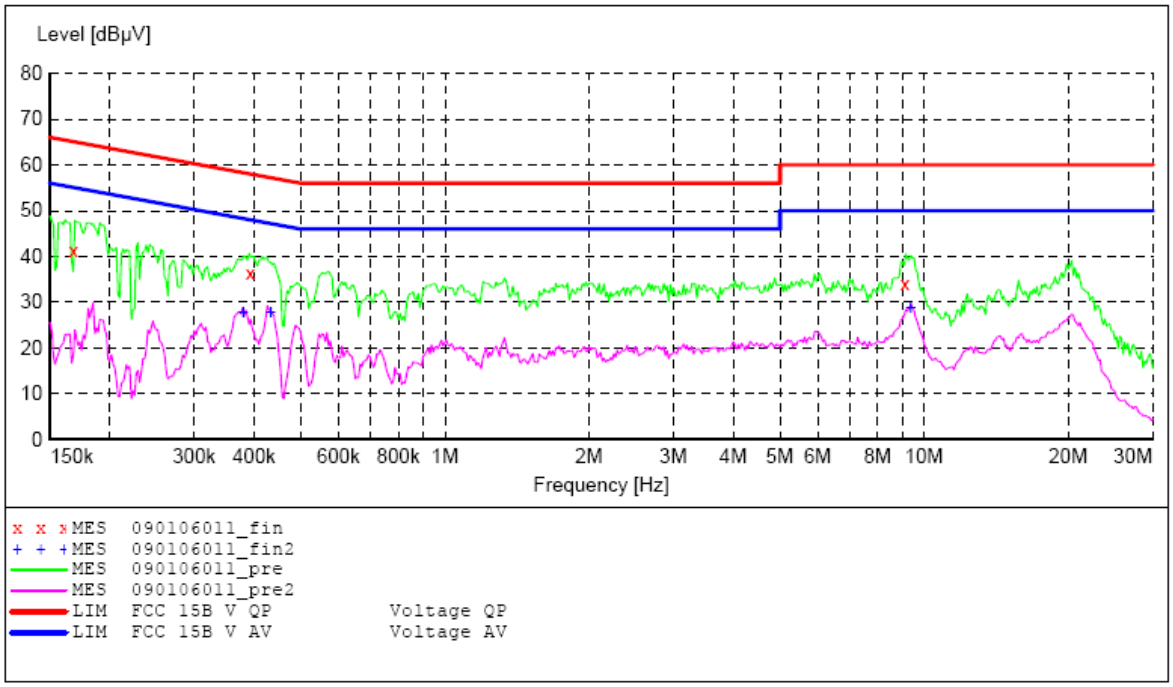
CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Wireless Dock for iPod M/N:IS301RX
Manufacturer: Nicetex
Operating Condition: TX 2480MHz
Test Site: 1#Shielding Room
Operator: Joe
Test Specification: Vb 120V/60Hz
Comment: Sample No.:084473 Report No.:ATE20082471
Start of Test: 1/6/2009 / 6:32:39PM

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

Short Description: _SUB_STD_VTERM2 1.70

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



MEASUREMENT RESULT: "090106011_fin"

1/6/2009 6:37PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.168000	41.20	11.1	65	23.9	QP	L1	GND
0.393000	36.50	11.8	58	21.5	QP	L1	GND
9.127500	34.00	11.3	60	26.0	QP	L1	GND

MEASUREMENT RESULT: "090106011_fin2"

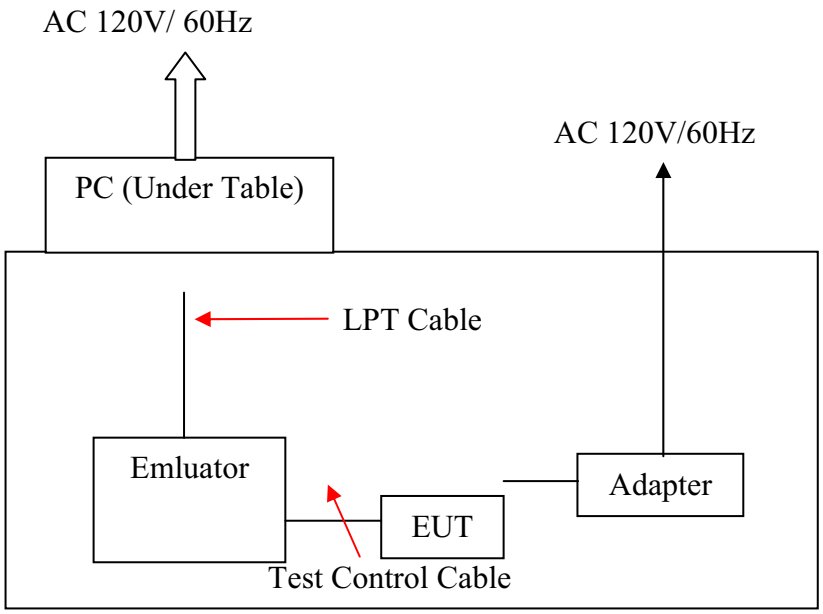
1/6/2009 6:37PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	27.90	11.8	48	20.4	AV	L1	GND
0.433500	27.90	11.9	47	19.3	AV	L1	GND
9.388500	28.80	11.3	50	21.2	AV	L1	GND

12. RADIATED SPURIOUS EMISSION TEST

12.1. Block Diagram of Test Setup

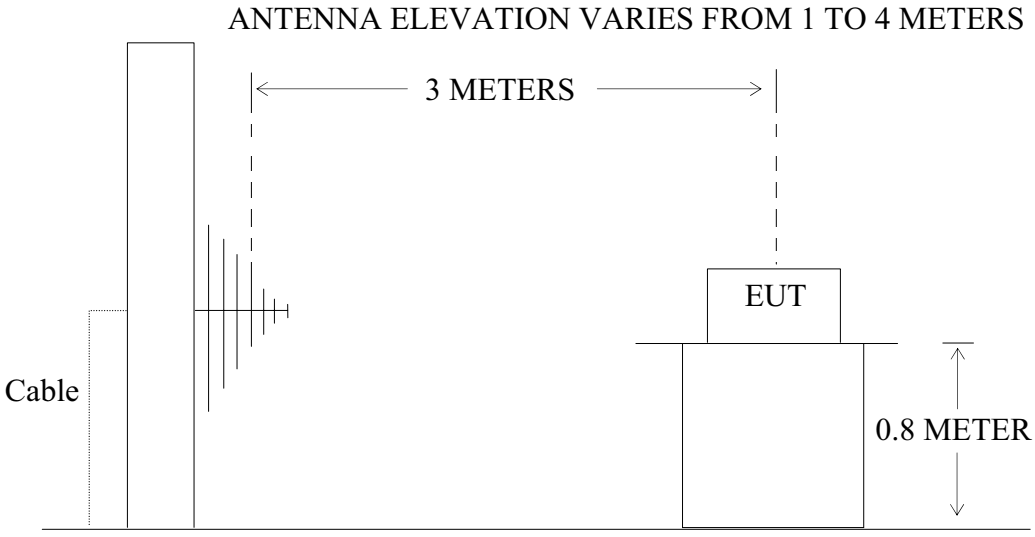
12.1.1. Block diagram of connection between the EUT and simulators



Setup: Transmitting mode

(EUT: Wireless Dock for iPod)

12.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Wireless Dock for iPod)

12.2.The Limit For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

12.3.Restricted bands of operation

12.3.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510
[2]Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

12.4.Configuration of EUT on Measurement

The following equipment are 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.

12.4.1.Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
Serial Number	:	N/A
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited

12.5.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 (R&S ESI26) is set at 120kHz in 30-1000MHz. and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 25000MHz is checked.

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.

The field strength is calculated by adding the antenna factor, and cable loss, and subtracting the amplifier gain from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

12.6.The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	January 4, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	49%
			DC 8V (Adapter input)
Model No.:	IS301RX	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	TX (2402MHz)	Test Engineer:	Joe

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.6865	13.68	18.53	32.21	40.00	-7.79	Vertical
355.4471	14.58	21.12	35.70	46.00	-10.30	Vertical
78.2407	18.99	13.37	32.36	40.00	-7.64	Horizontal
363.5230	18.55	21.41	39.96	46.00	-6.04	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2400.000	41.88	44.96	-7.46	34.42	37.50	54	74	-19.58	-36.50	Vertical
2402.007	82.08	85.31	-7.45	74.63	77.86	-	-	-	-	Vertical
4804.010	51.04	54.27	-0.30	50.74	53.97	54	74	-3.26	-20.03	Vertical
7206.011	42.62	45.79	2.97	45.59	48.76	54	74	-8.41	-25.24	Vertical
2400.000	41.46	44.63	-7.46	34.00	37.17	54	74	-20.00	-36.83	Horizontal
2402.007	81.97	85.16	-7.45	74.52	77.71	-	-	-	-	Horizontal
4804.010	48.74	52.25	-0.30	48.44	51.95	54	74	-5.56	-22.05	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	January 4, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	49%
			DC 8V (Adapter input)
Model No.:	IS301RX	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	TX (2441MHz)	Test Engineer:	Joe

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
35.6625	14.34	18.54	32.88	40.00	-7.12	Vertical
77.4556	19.07	13.49	32.56	40.00	-7.44	Vertical
78.2707	21.69	13.37	35.06	40.00	-4.94	Horizontal
359.1923	18.95	21.22	40.17	46.00	-5.83	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2441.008	82.21	85.42	-7.35	74.86	78.07	-	-	-	-	Vertical
4882.011	50.79	53.94	0.14	50.93	54.08	54	74	-3.07	-19.92	Vertical
7323.012	41.41	44.57	3.24	44.56	47.81	54	74	-9.35	-26.19	Vertical
2441.008	82.10	85.28	-7.35	74.75	77.93	-	-	-	-	Horizontal
4882.011	49.20	52.45	0.14	49.34	52.59	54	74	-4.66	-21.41	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

Date of Test:	January 4, 2009	Temperature:	25°C
EUT:	Wireless Dock for iPod	Humidity:	49%
			DC 8V (Adapter input)
Model No.:	IS301RX	Power Supply:	Adapter power: AC120V/60Hz
Test Mode:	TX (2480MHz)	Test Engineer:	Joe

For 30MHz-1000MHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading (dBμV/m)	Factor Corr. (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
58.4721	20.62	12.64	33.26	40.00	-6.74	Vertical
80.3569	20.87	13.78	34.65	40.00	-5.35	Vertical
96.1483	20.33	13.88	34.21	43.50	-9.29	Vertical
80.9382	21.06	13.47	34.53	40.00	-5.47	Horizontal
126.5058	19.72	15.01	34.73	43.50	-8.77	Horizontal
357.4471	16.96	21.18	38.14	46.00	-7.86	Horizontal

For 1GHz-25GHz

Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

Frequency (MHz)	Reading(dBμV/m)		Factor Corr. (dB)	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2480.006	82.37	85.60	-7.37	75.00	78.23	-	-	-	-	Vertical
2483.500	41.01	44.26	-7.37	33.64	36.89	54	74	-20.36	-37.11	Vertical
4960.009	50.42	53.83	0.52	50.94	54.35	54	74	-3.06	-19.65	Vertical
7440.010	42.71	45.97	3.69	46.40	49.66	54	74	-7.60	-24.34	Vertical
2480.006	82.31	85.52	-7.37	74.94	78.15	-	-	-	-	Horizontal
2483.500	40.93	44.13	-7.37	33.56	36.76	54	74	-20.44	-37.24	Horizontal
4960.009	49.19	52.42	0.52	49.71	52.94	54	74	-4.29	-21.06	Horizontal

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

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Job No.: RTTE #988	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 09/01/04/
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 9/10/57
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2402MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	78.2407	18.99	13.37	32.36	40.00	-7.64	QP	
2	363.5230	18.55	21.41	39.96	46.00	-6.04	QP	

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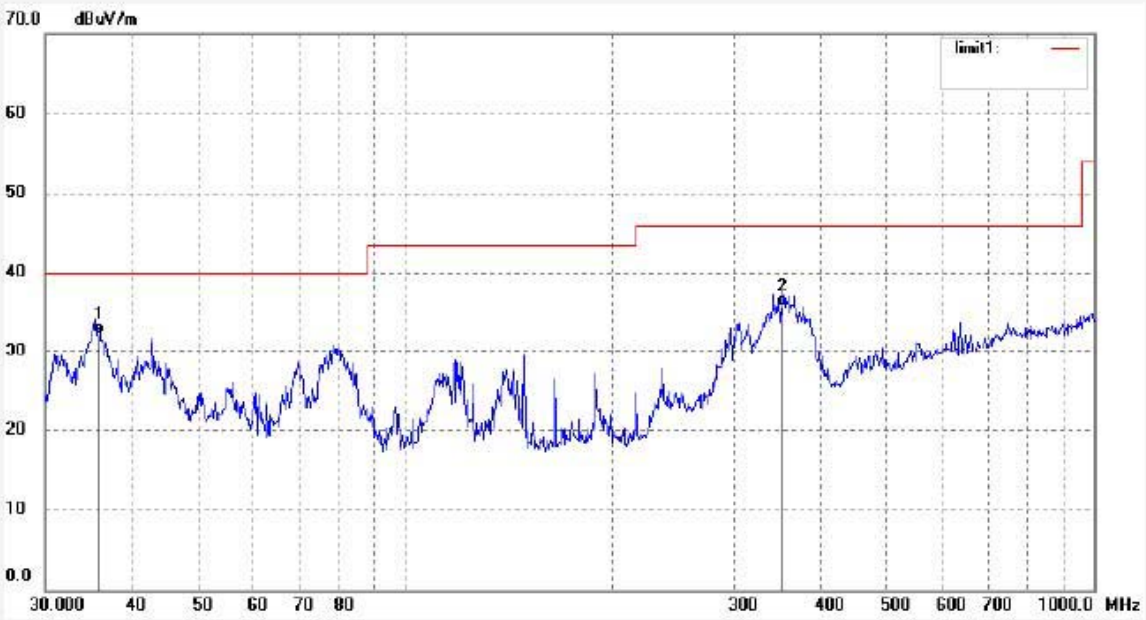
Fax:+86-0755-26503396

Job No.: RTTE #989	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 09/01/04/
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 9/12/36
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2402MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	35.6865	13.68	18.53	32.21	40.00	-7.79	QP	
2	355.4471	14.58	21.12	35.70	46.00	-10.30	QP	

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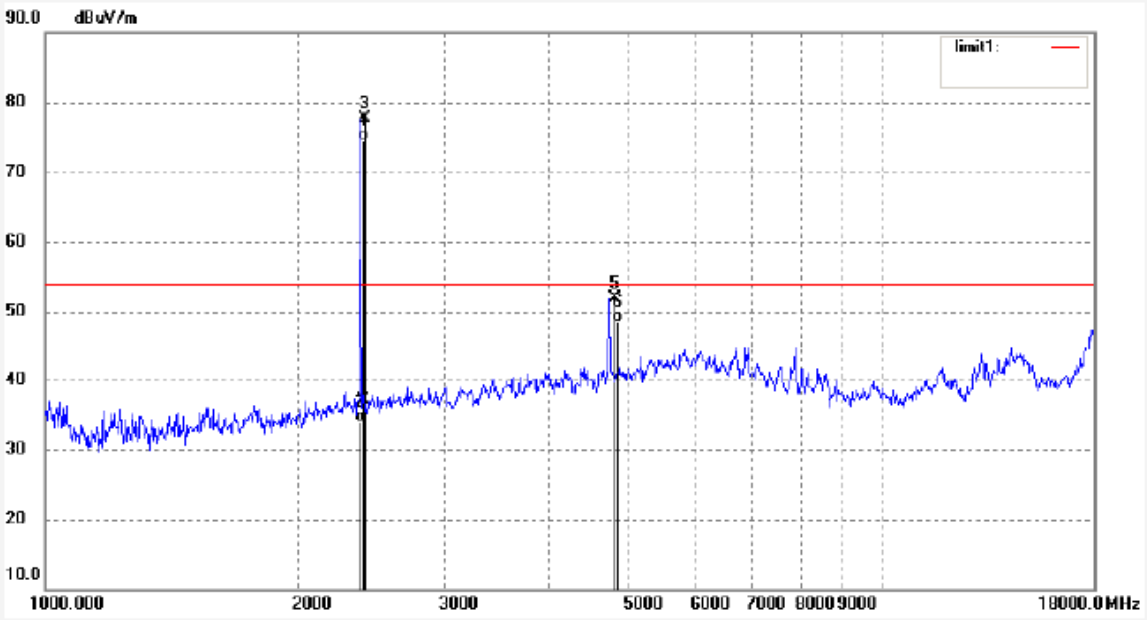
Job No.: RTTE #1018
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 49 %
EUT: Wireless Dock for iPod
Mode: TX 2402MHz
Model: IS301RX
Manufacturer: Nicetex

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 09/01/04/
Time: 11/03/21
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	2400.000	44.63	-7.46	37.17	74.00	-36.83	peak	
2	2400.000	41.46	-7.46	34.00	54.00	-20.00	AVG	
3	2402.007	85.16	-7.45	77.71	-	-	peak	
4	2402.007	81.97	-7.45	74.52	-	-	AVG	
5	4804.010	52.25	-0.30	51.95	74.00	-22.05	peak	
6	4804.010	48.74	-0.30	48.44	54.00	-5.56	AVG	

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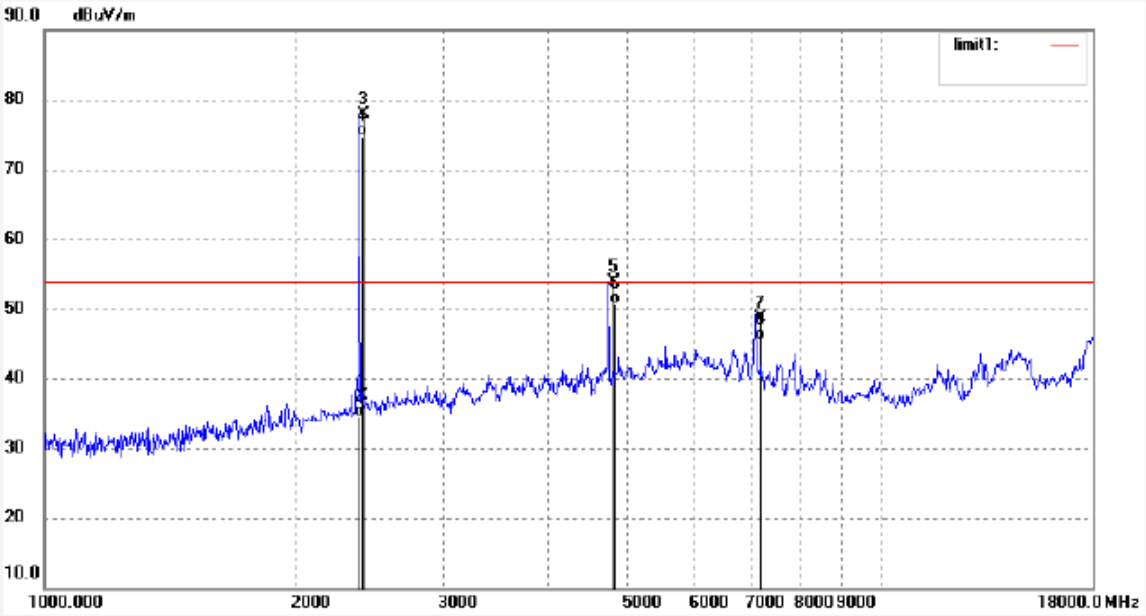
Job No.: RTTE #1019
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 49 %
EUT: Wireless Dock for iPod
Mode: TX 2402MHz
Model: IS301RX
Manufacturer: Nicetex

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 09/01/04/
Time: 11/06/25
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	2400.000	44.96	-7.46	37.50	54.00	-16.50	peak	
2	2400.000	41.88	-7.46	34.42	54.00	-19.58	AVG	
3	2402.007	85.31	-7.45	77.86	54.00	23.86	peak	
4	2402.007	82.08	-7.45	74.63	54.00	20.63	AVG	
5	4804.010	54.27	-0.30	53.97	54.00	-0.03	peak	
6	4804.010	51.04	-0.30	50.74	54.00	-3.26	AVG	
7	7206.011	45.79	2.97	48.76	54.00	-5.24	peak	
8	7206.011	42.62	2.97	45.59	54.00	-8.41	AVG	

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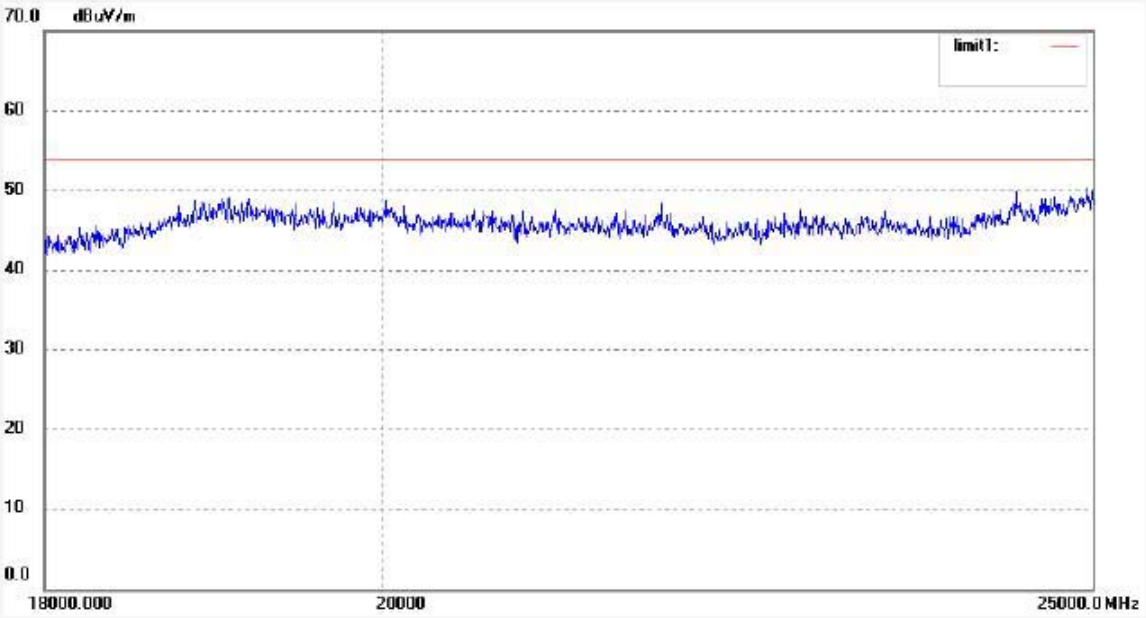
Job No.: RTTE #1049	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2009/01/04
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 20:40:55
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2402MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark

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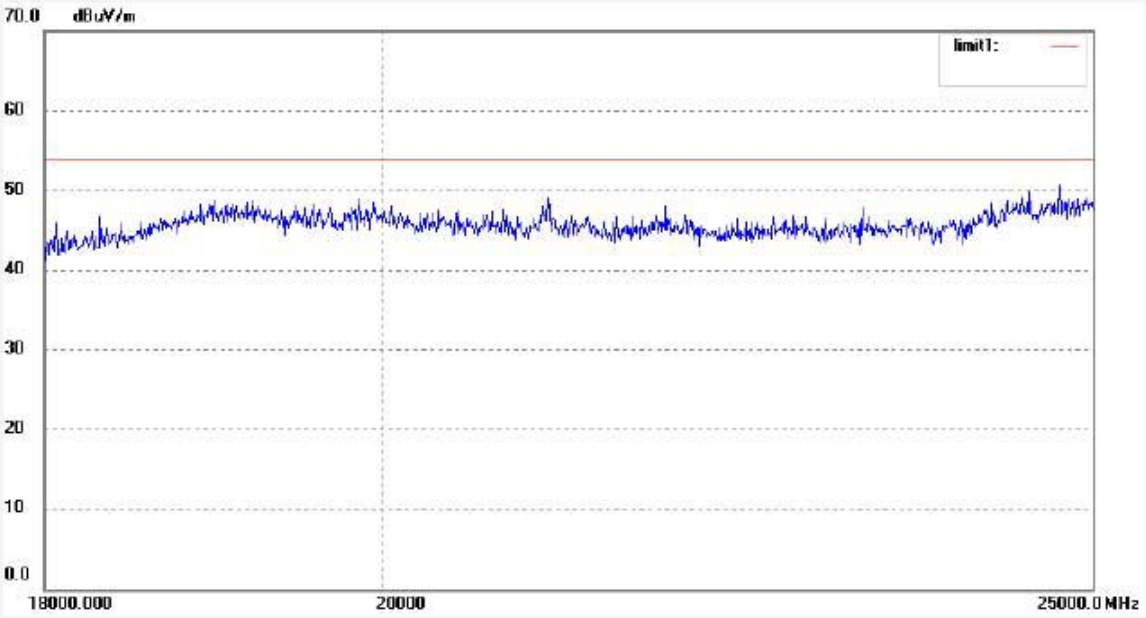
Job No.: RTTE #1048	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2009/01/04
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 20:38:48
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2402MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark

ACCURATE TECHNOLOGY CO., LTD.
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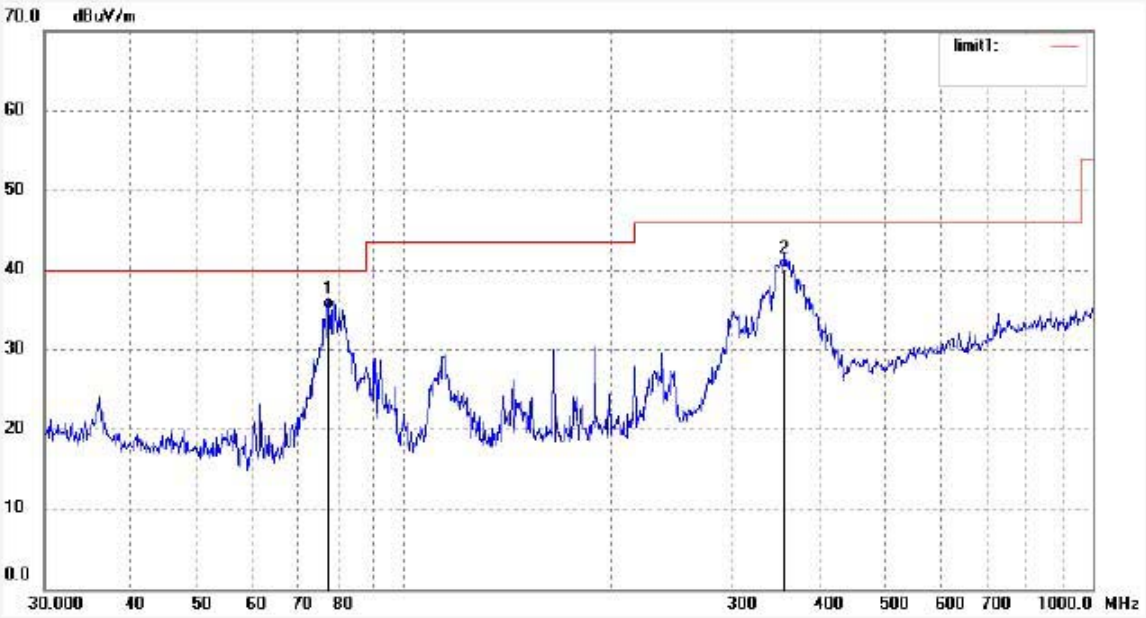
Job No.: RTTE #991	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 09/01/04/
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 9/16/54
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2441MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	78.2707	21.69	13.37	35.06	40.00	-4.94	QP	
2	359.1923	18.95	21.22	40.17	46.00	-5.83	QP	

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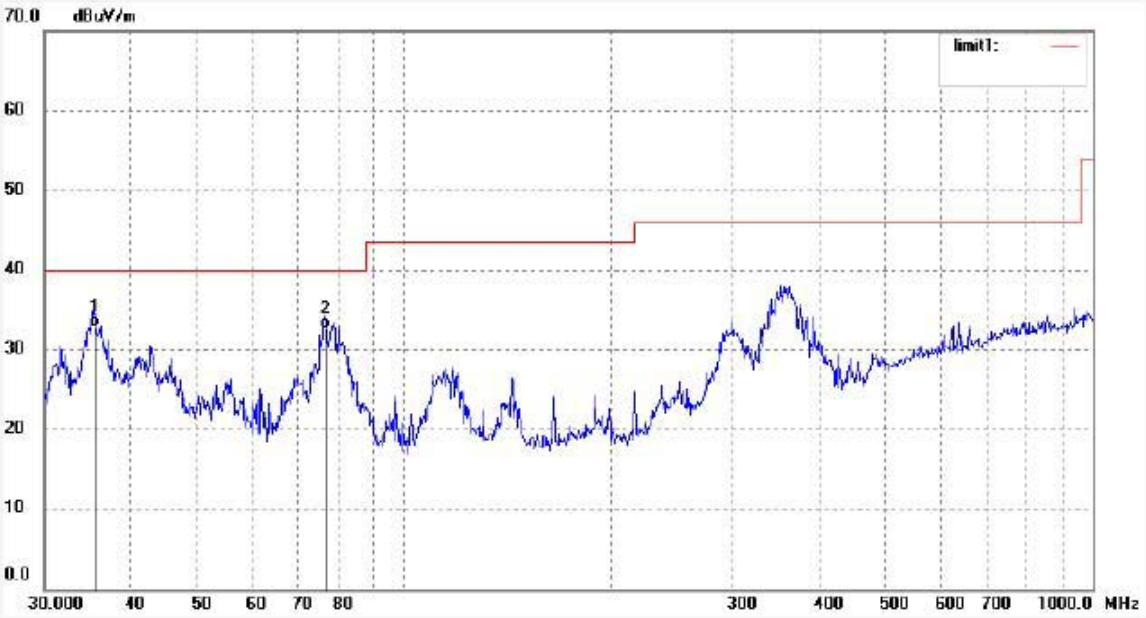
Job No.: RTTE #990	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 09/01/04/
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 9/15/25
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2441MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	35.6625	14.34	18.54	32.88	40.00	-7.12	QP	
2	77.4556	19.07	13.49	32.56	40.00	-7.44	QP	

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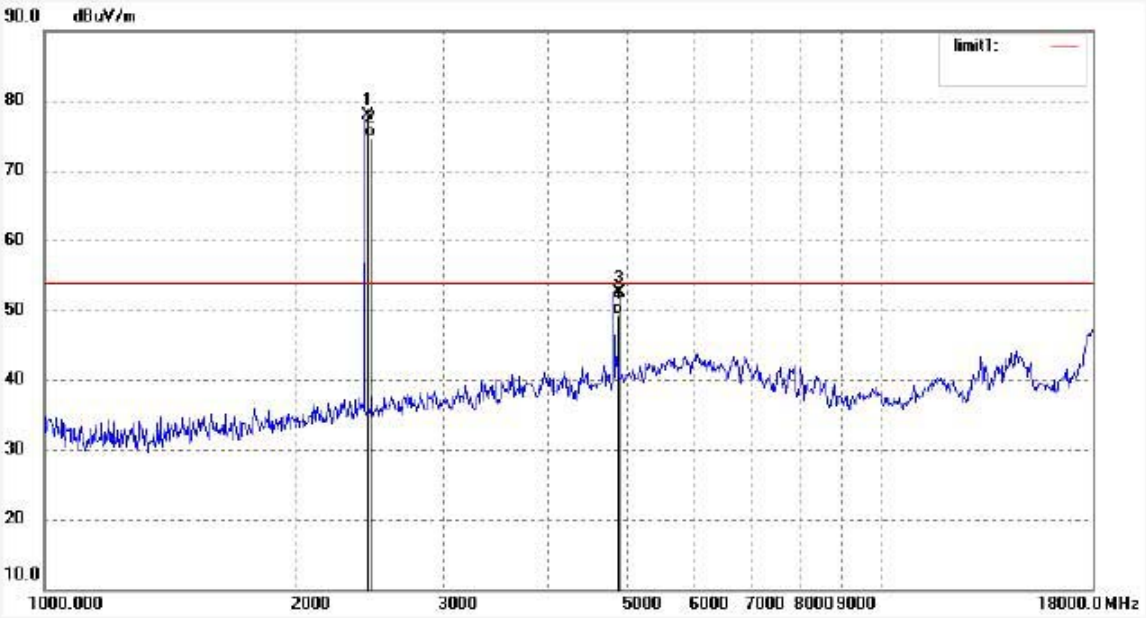
Fax:+86-0755-26503396

Job No.: RTTE #1021
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 49 %
EUT: Wireless Dock for iPod
Mode: TX 2441MHz
Model: IS301RX
Manufacturer: Nicetex

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 09/01/04/
Time: 11/11/13
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	2441.008	85.28	-7.35	77.93	-	-	peak	
2	2441.008	82.10	-7.35	74.75	-	-	AVG	
3	4882.011	52.45	0.14	52.59	74.00	-21.41	peak	
4	4882.011	49.20	0.14	49.34	54.00	-4.66	AVG	

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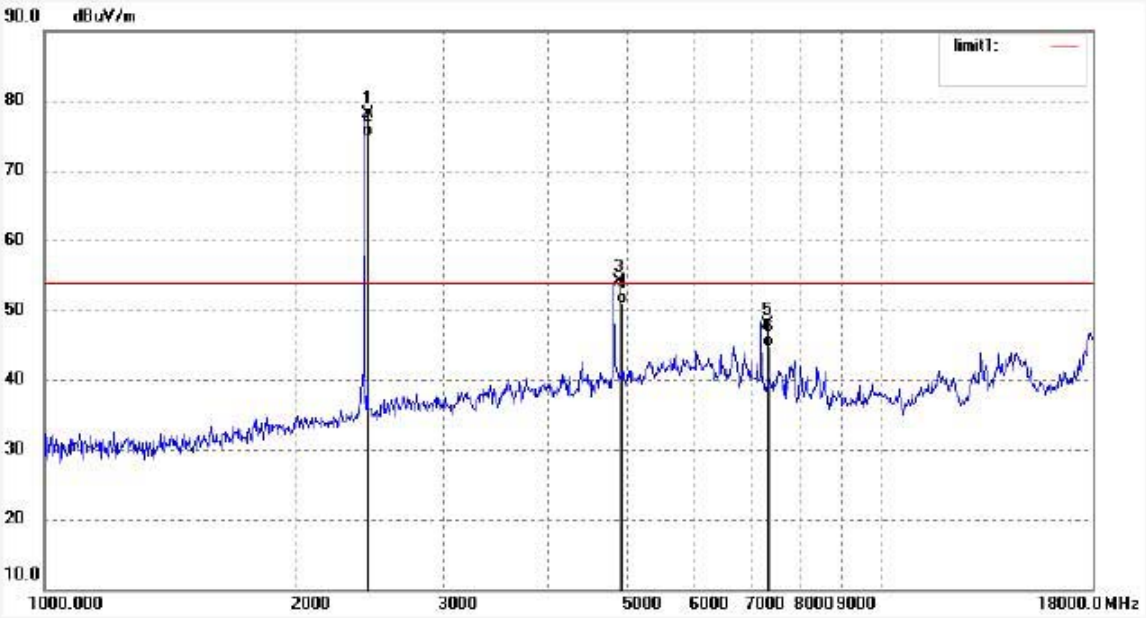
Job No.: RTTE #1020
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 49 %
EUT: Wireless Dock for iPod
Mode: TX 2441MHz
Model: IS301RX
Manufacturer: Nicetex

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 09/01/04/
Time: 11/09/04
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	2441.008	85.42	-7.35	78.07	-	-	peak	
2	2441.008	82.21	-7.35	74.86	-	-	AVG	
3	4882.011	53.94	0.14	54.08	74.00	-19.92	peak	
4	4882.011	50.79	0.14	50.93	54.00	-3.07	AVG	
5	7323.012	44.57	3.24	47.81	74.00	-26.19	peak	
6	7323.012	41.41	3.24	44.65	54.00	-9.35	AVG	

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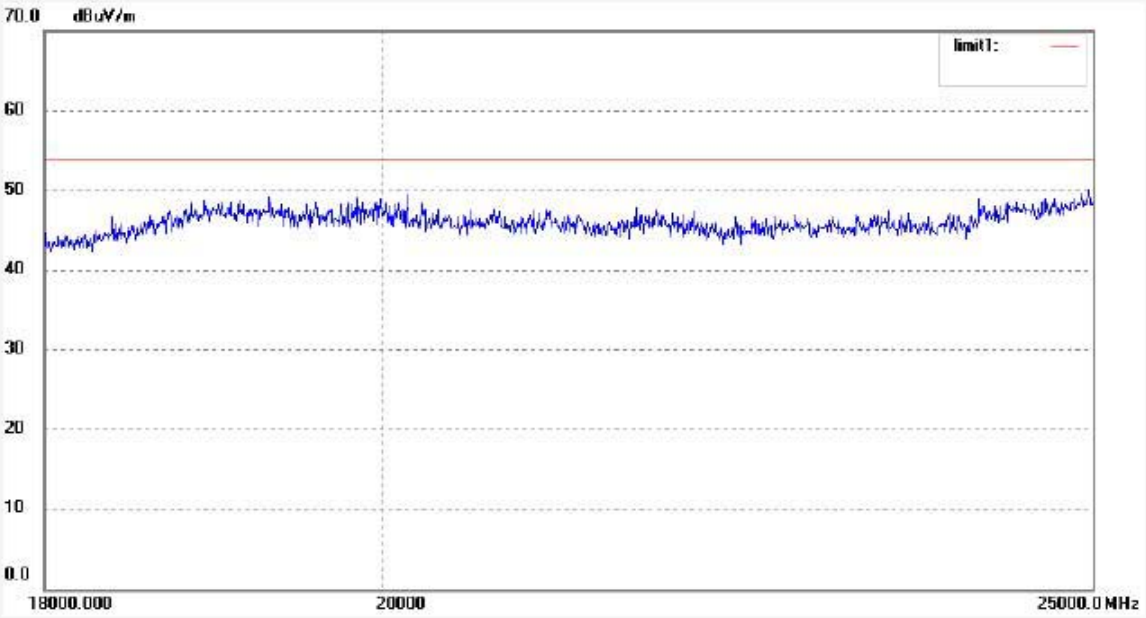
Job No.: RTTE #1050	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2009/01/04
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 20:43:49
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2441MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark

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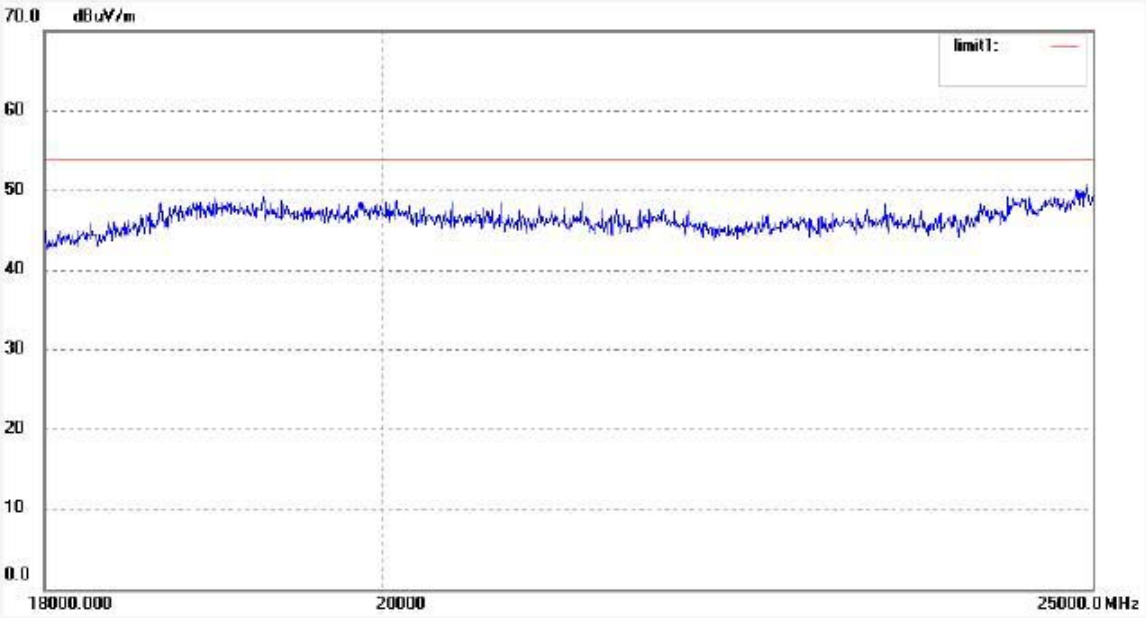
Job No.: RTTE #1051	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2009/01/04
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 20:45:55
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2441MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark

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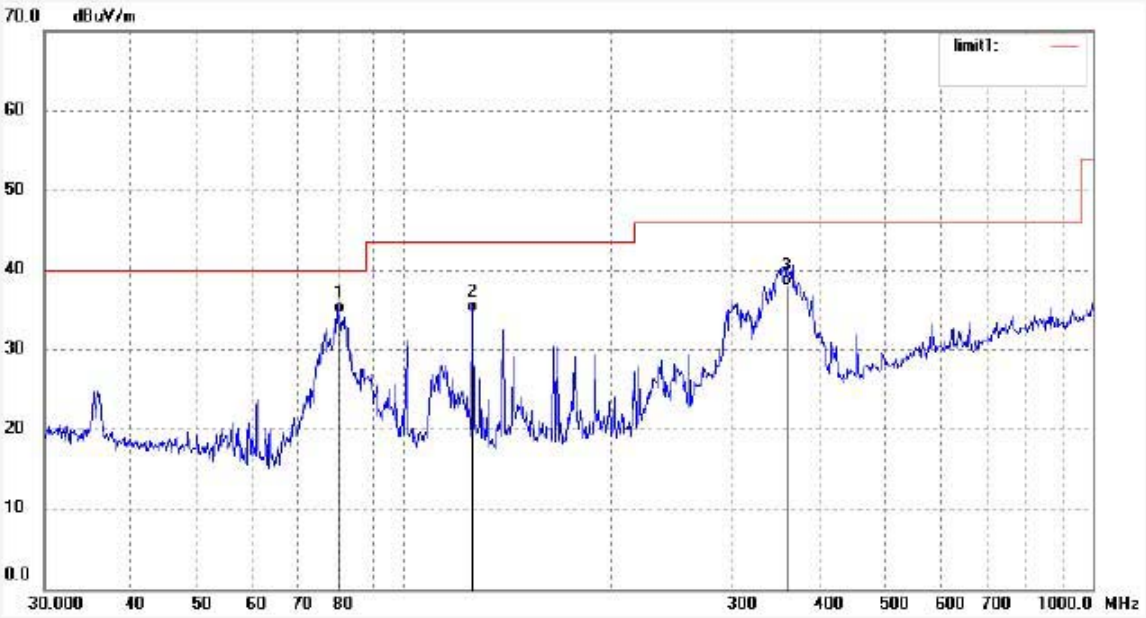
Job No.: RTTE #992	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 09/01/04/
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 9/20/43
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2480MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	80.9382	21.06	13.47	34.53	40.00	-5.47	QP	
2	126.5058	19.72	15.01	34.73	43.50	-8.77	QP	
3	357.4471	16.96	21.18	38.14	46.00	-7.86	QP	

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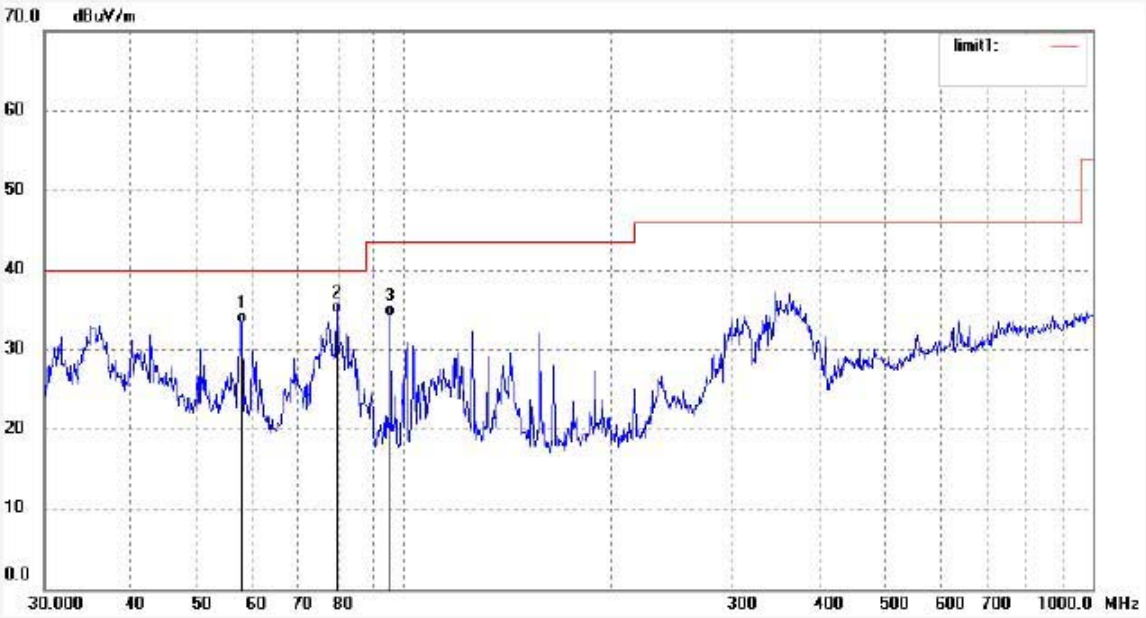
Job No.: RTTE #993	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 09/01/04/
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 9/22/21
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2480MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	58.4721	20.62	12.64	33.26	40.00	-6.74	QP	
2	80.3569	20.87	13.78	34.65	40.00	-5.35	QP	
3	96.1483	20.33	13.88	34.21	43.50	-9.29	QP	

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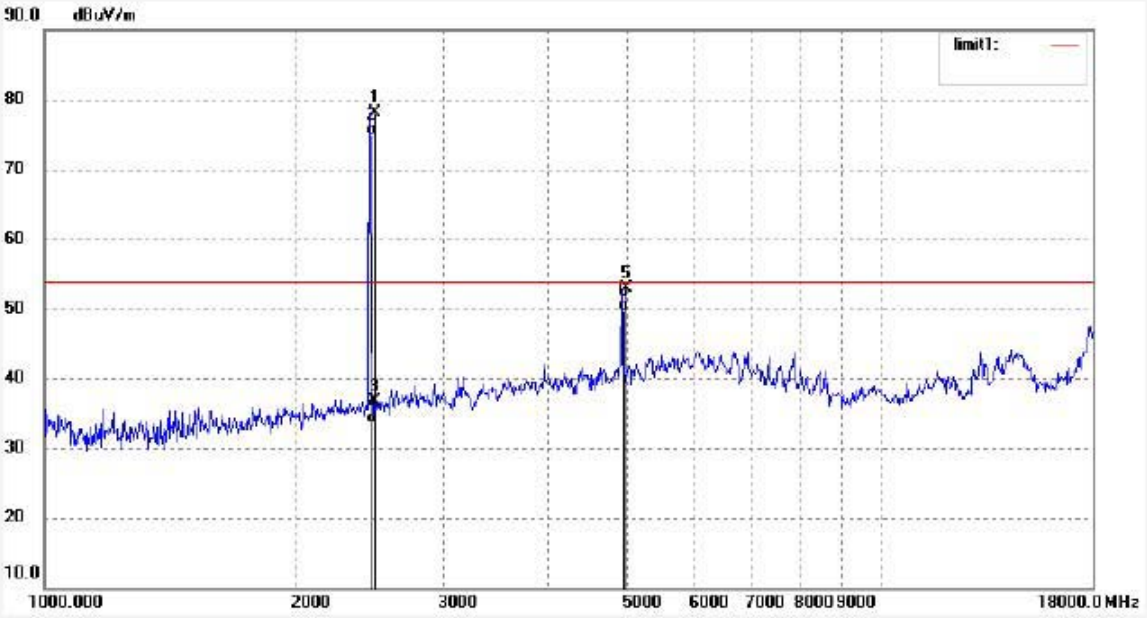
Job No.: RTTE #1022
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 49 %
EUT: Wireless Dock for iPod
Mode: TX 2480MHz
Model: IS301RX
Manufacturer: Nicetex

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 09/01/04/
Time: 11/13/41
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	2480.006	85.52	-7.37	78.15	-	-	peak	
2	2480.006	82.31	-7.37	74.94	-	-	AVG	
3	2483.500	44.13	-7.37	36.76	74.00	-37.24	peak	
4	2483.500	40.93	-7.37	33.56	54.00	-20.44	AVG	
5	4960.009	52.42	0.52	52.94	74.00	-21.06	peak	
6	4960.009	49.19	0.52	49.71	54.00	-4.29	AVG	

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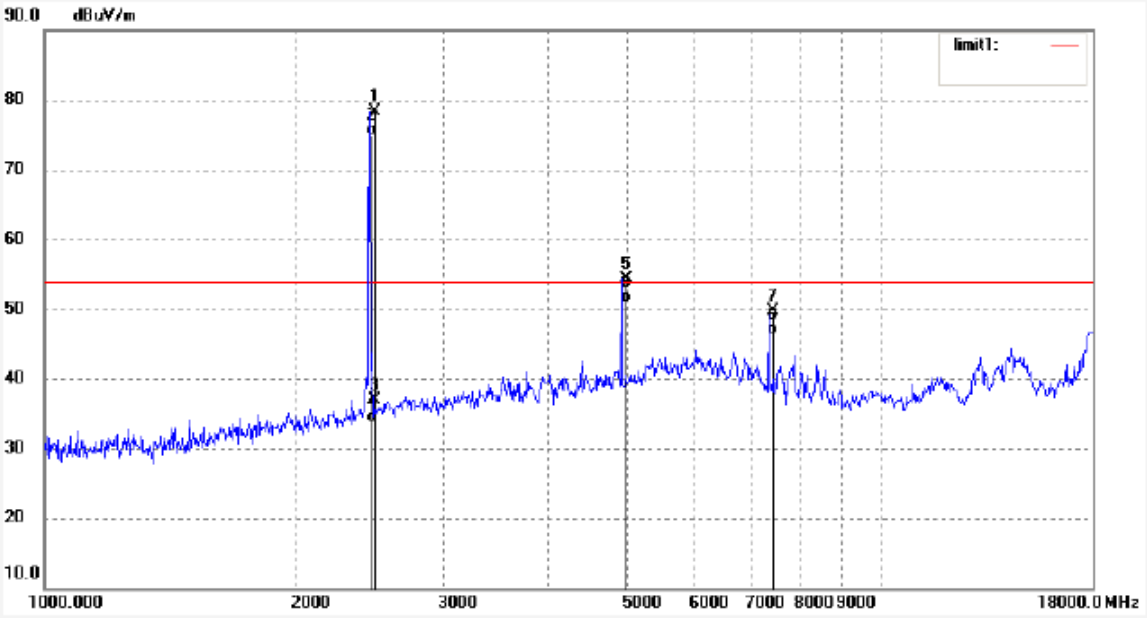
Job No.: RTTE #1023
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 49 %
EUT: Wireless Dock for iPod
Mode: TX 2480MHz
Model: IS301RX
Manufacturer: Nicetex

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 09/01/04/
Time: 11/15/49
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	2480.006	85.60	-7.37	78.23	-	-	peak	
2	2480.006	82.37	-7.37	75.00	-	-	AVG	
3	2483.500	44.26	-7.37	36.89	74.00	-37.11	peak	
4	2483.500	41.01	-7.37	33.64	54.00	-20.36	AVG	
5	4960.009	53.83	0.52	54.35	74.00	-19.65	peak	
6	4960.009	50.42	0.52	50.94	54.00	-3.06	AVG	
7	7440.010	45.97	3.69	49.66	74.00	-24.34	peak	
8	7440.010	42.71	3.69	46.40	54.00	-7.60	AVG	

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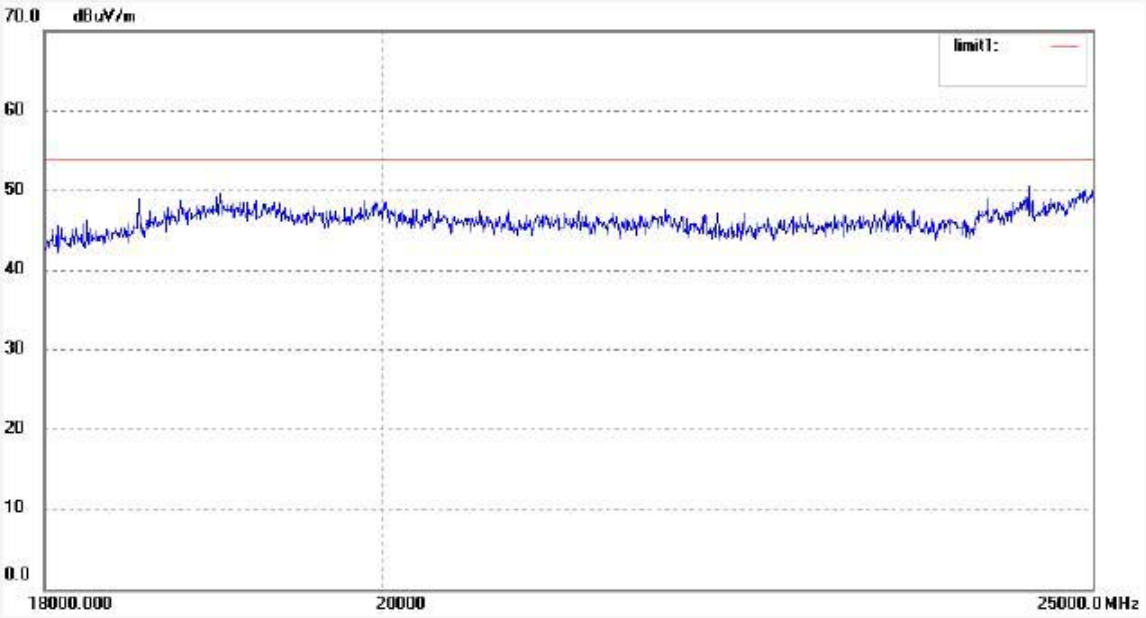
Job No.: RTTE #1053	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2009/01/04
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 20:51:29
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2480MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark

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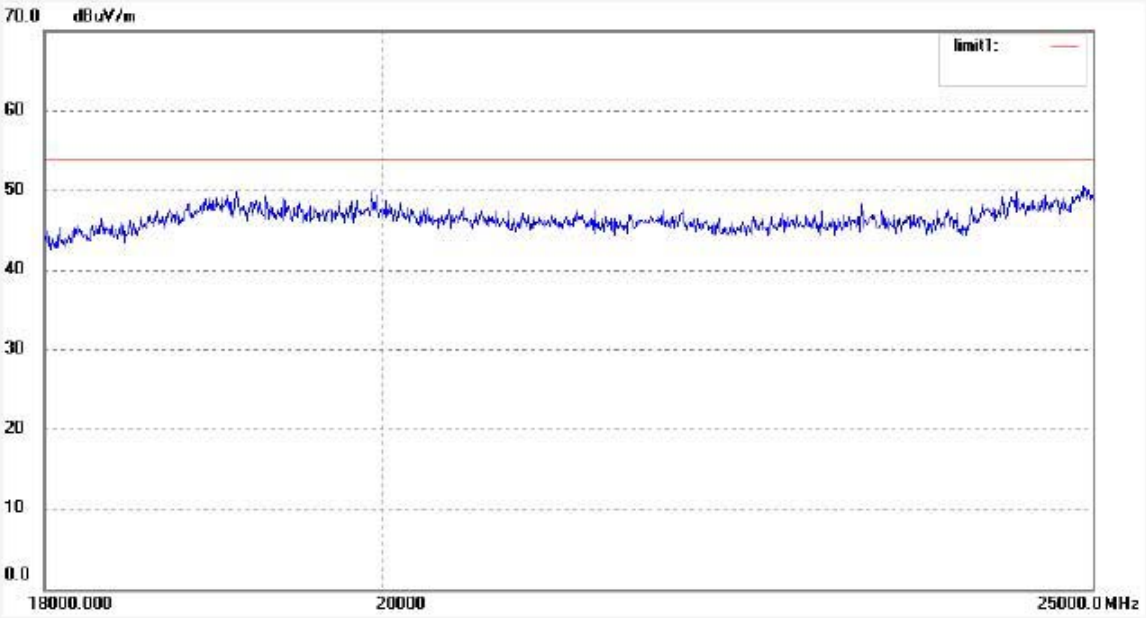
Job No.: RTTE #1052	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2009/01/04
Temp.(C)/Hum.(%) 25 C / 49 %	Time: 20:49:04
EUT: Wireless Dock for iPod	Engineer Signature: Joe
Mode: TX 2480MHz	Distance: 3m
Model: IS301RX	
Manufacturer: Nicetex	

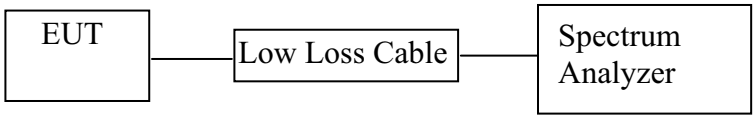
Note: Sample No.:084473 Report No.:ATE20082471



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark

13. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

13.1. Block Diagram of Test Setup



(EUT: Wireless Dock for iPod)

13.2. The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

13.3. 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.

13.3.1. Wireless Dock for iPod (EUT)

Model Number	:	IS301RX
Serial Number	:	N/A
Manufacturer	:	Mei Hua Electronics (Hui Zhou) Limited

13.4.Operating Condition of EUT

13.4.1.Setup the EUT and simulator as shown as Section 13.1.

13.4.2.Turn on the power of all equipment.

13.4.3.Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2480MHz TX frequency to transmit.

13.5.Test Procedure

13.5.1.The transmitter output was connected to the spectrum analyzer via a low loss cable.

13.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

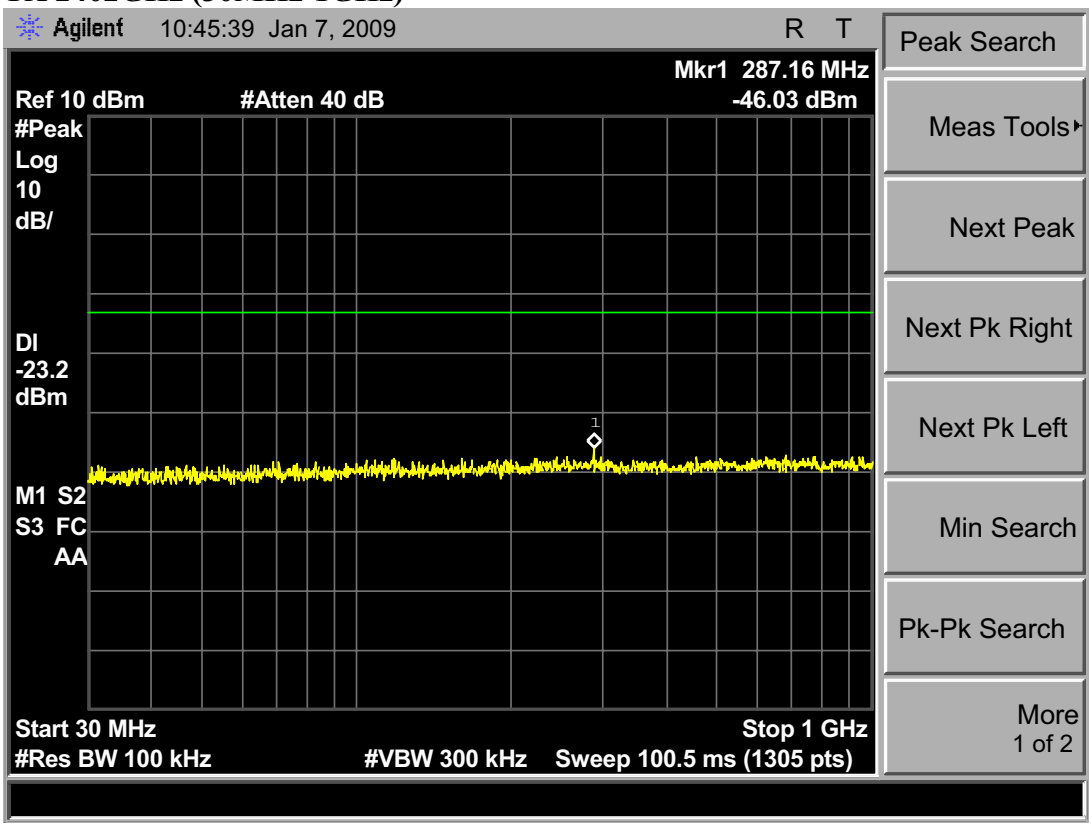
13.5.3.The Conducted Spurious Emission was measured and recorded.

13.6.Test Result

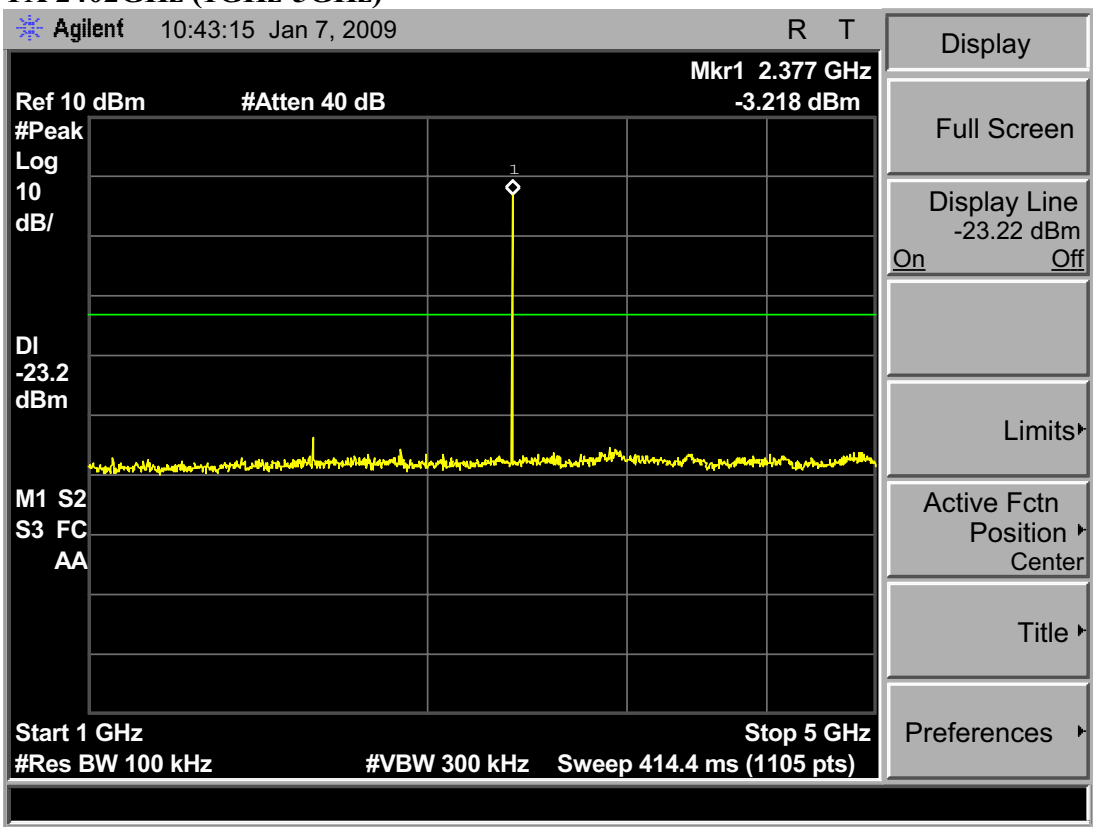
Pass.

The spectrum analyzer plots are attached as below.

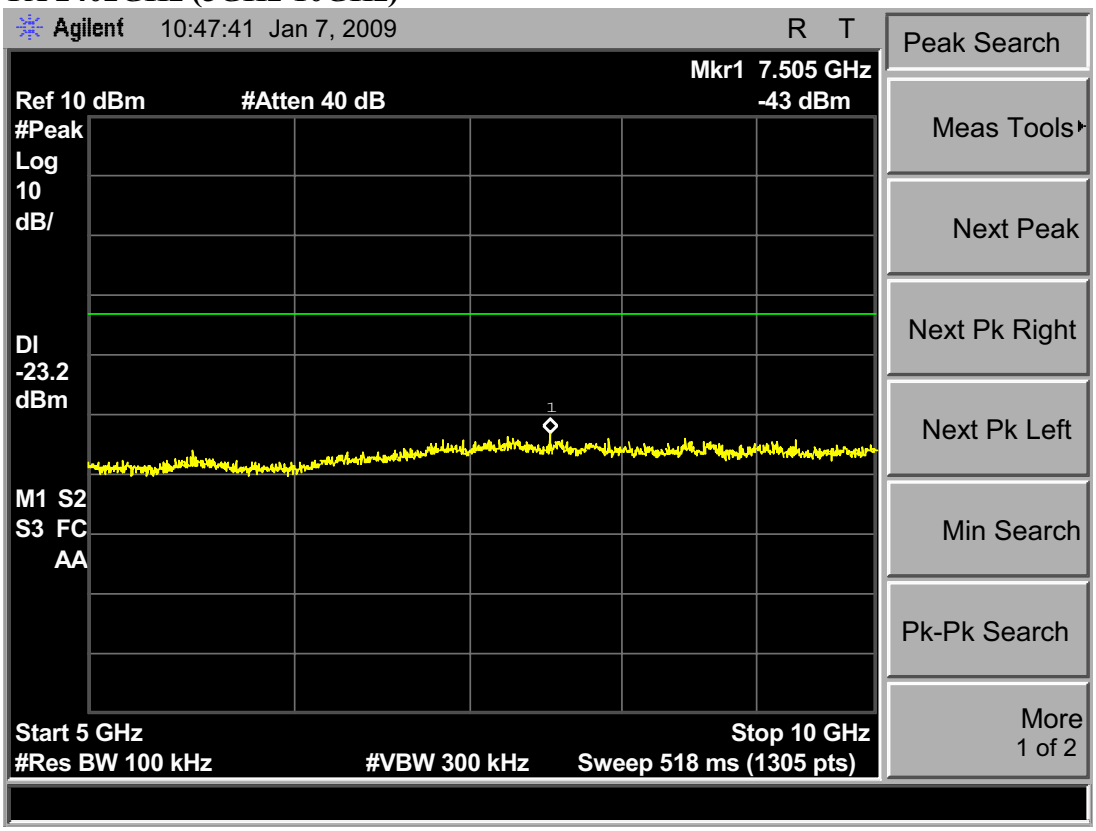
TX 2402GHz (30MHz-1GHz)



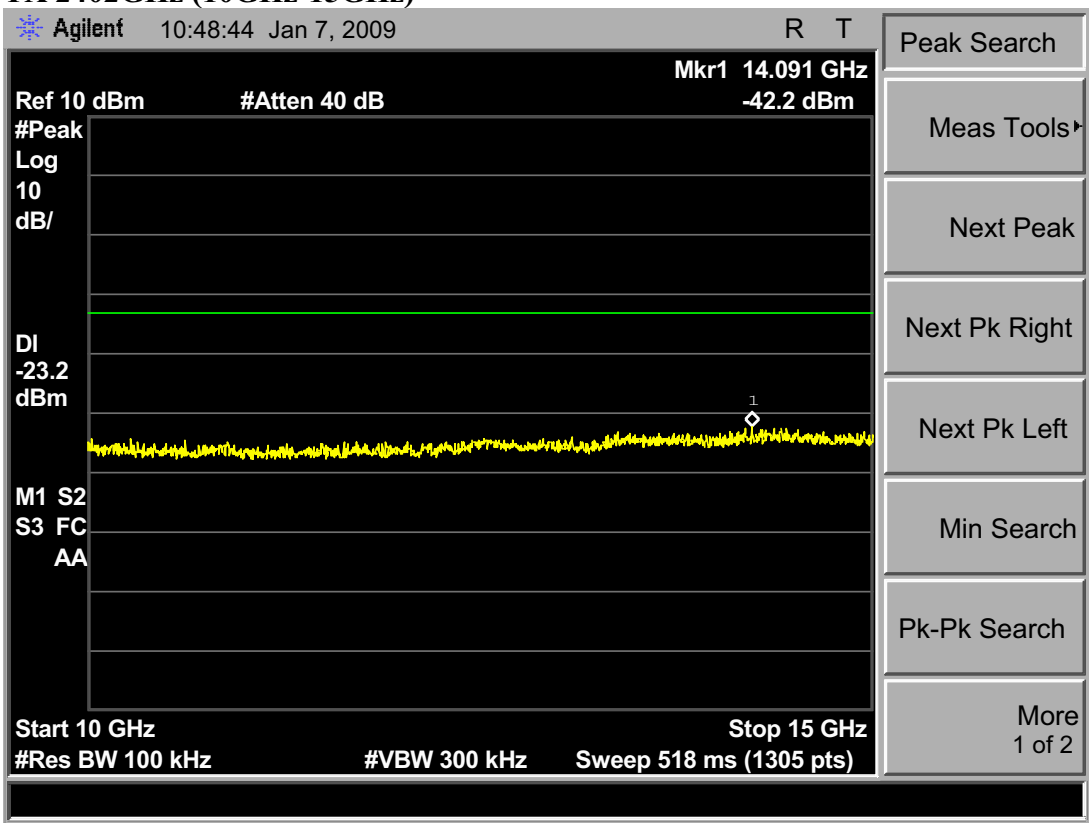
TX 2402GHz (1GHz-5GHz)



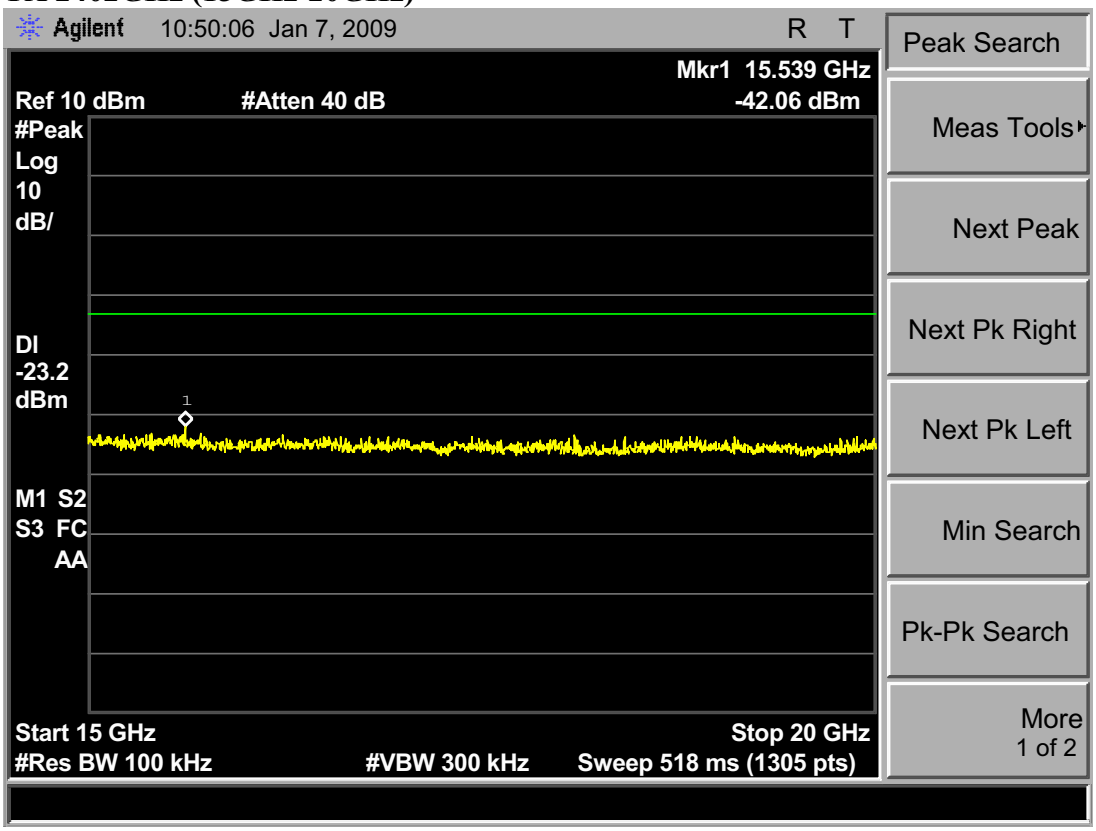
TX 2402GHz (5GHz-10GHz)



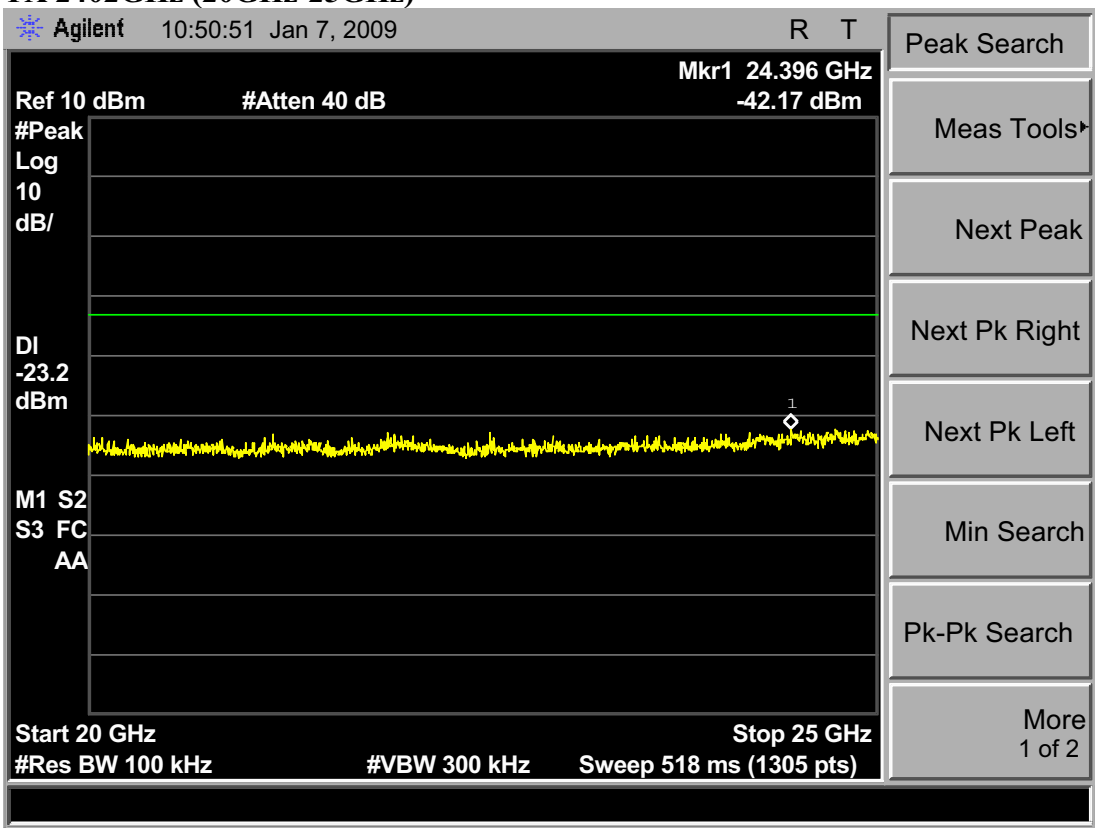
TX 2402GHz (10GHz-15GHz)



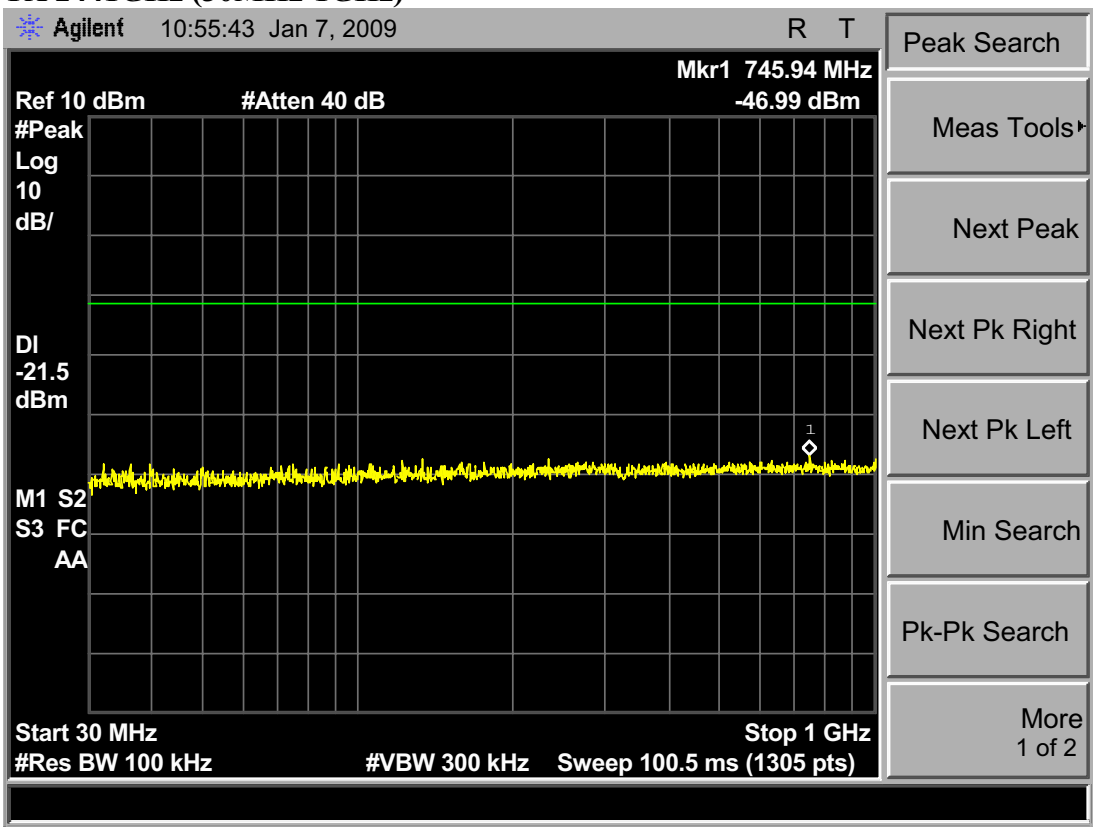
TX 2402GHz (15GHz-20GHz)



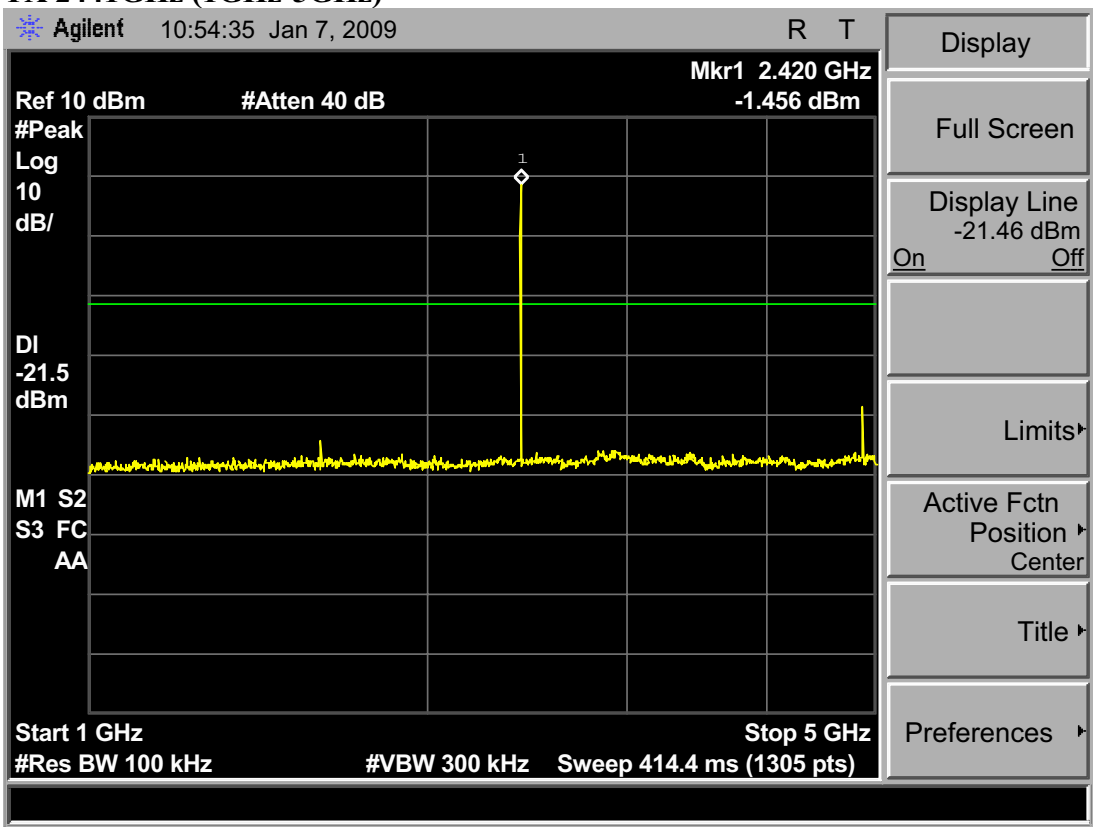
TX 2402GHz (20GHz-25GHz)



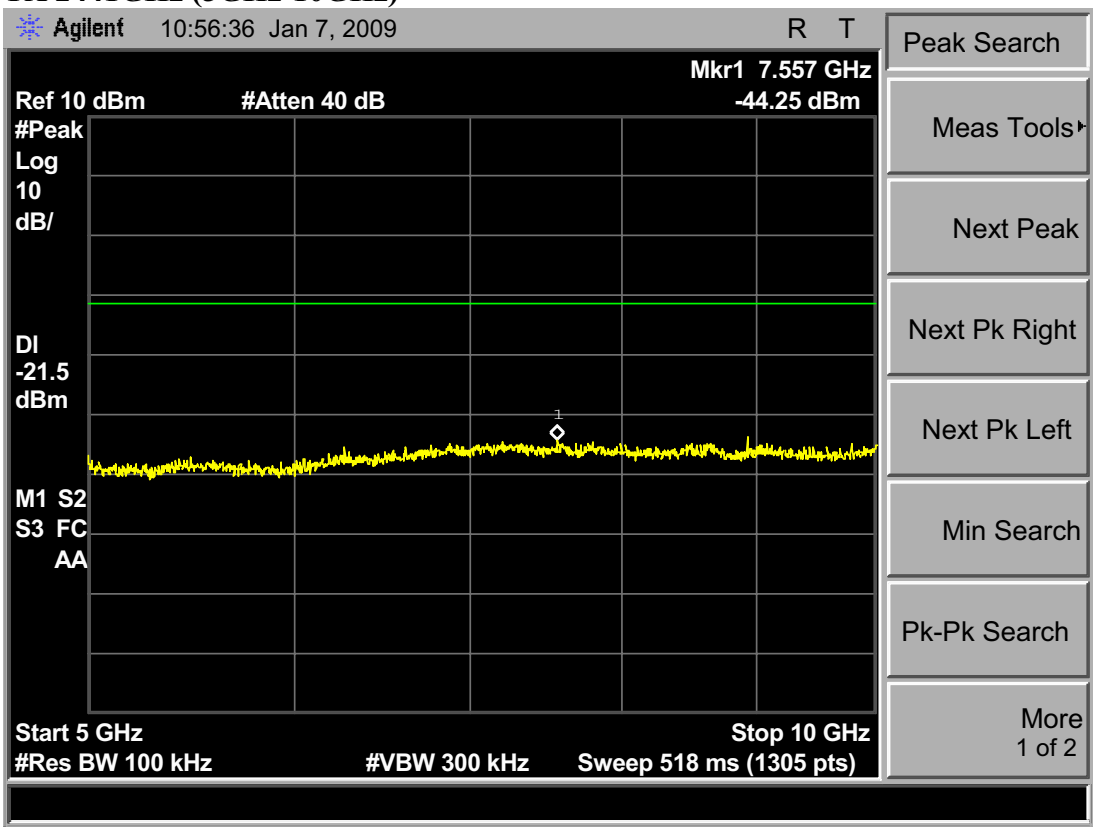
TX 2441GHz (30MHz-1GHz)



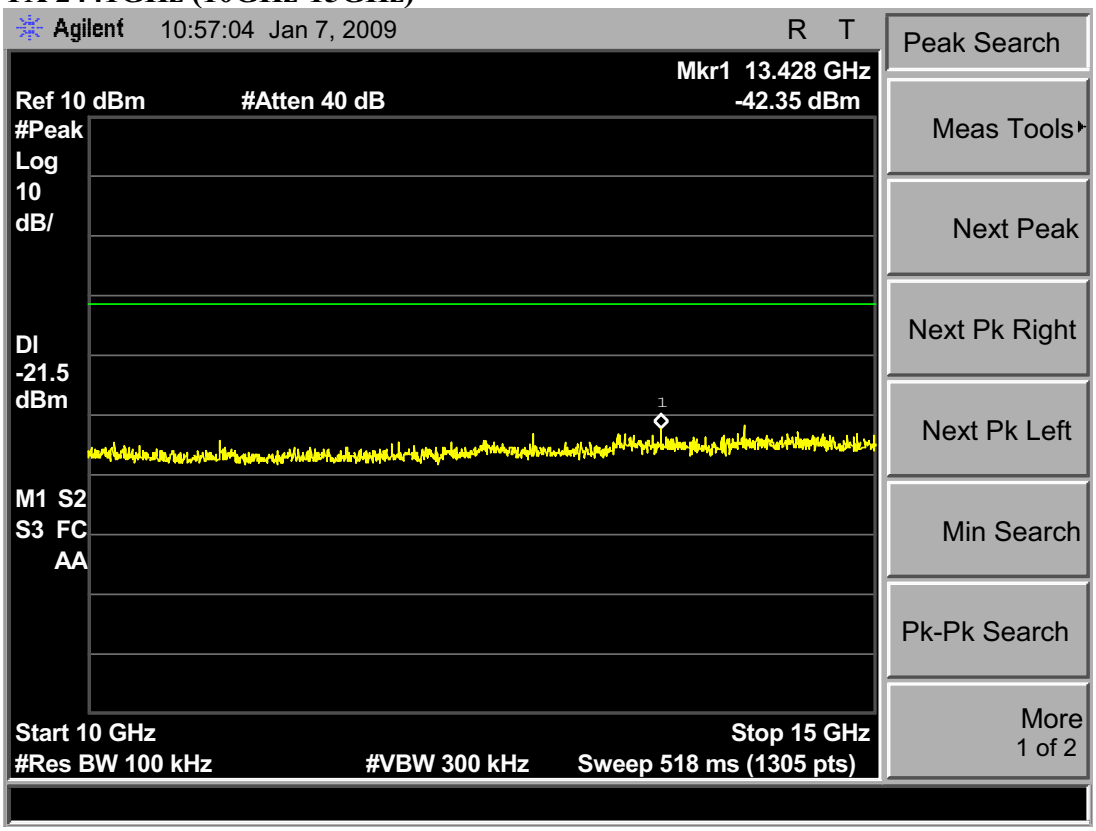
TX 2441GHz (1GHz-5GHz)



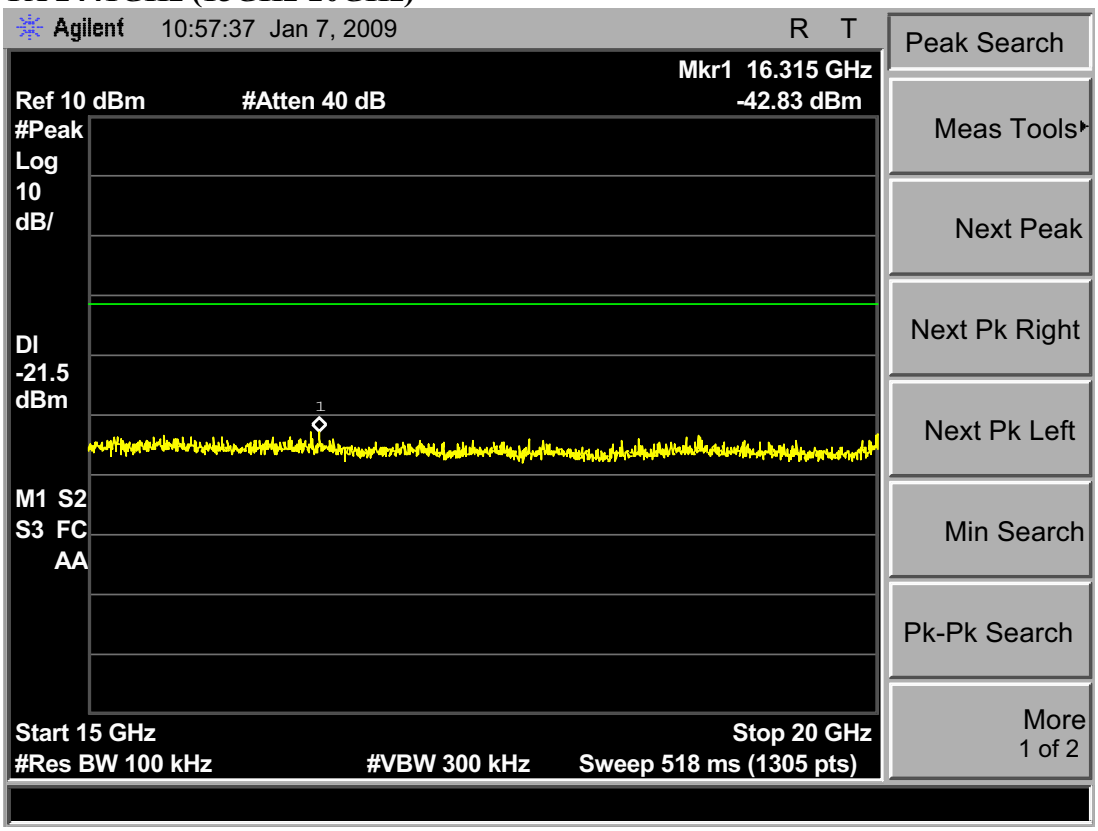
TX 2441GHz (5GHz-10GHz)



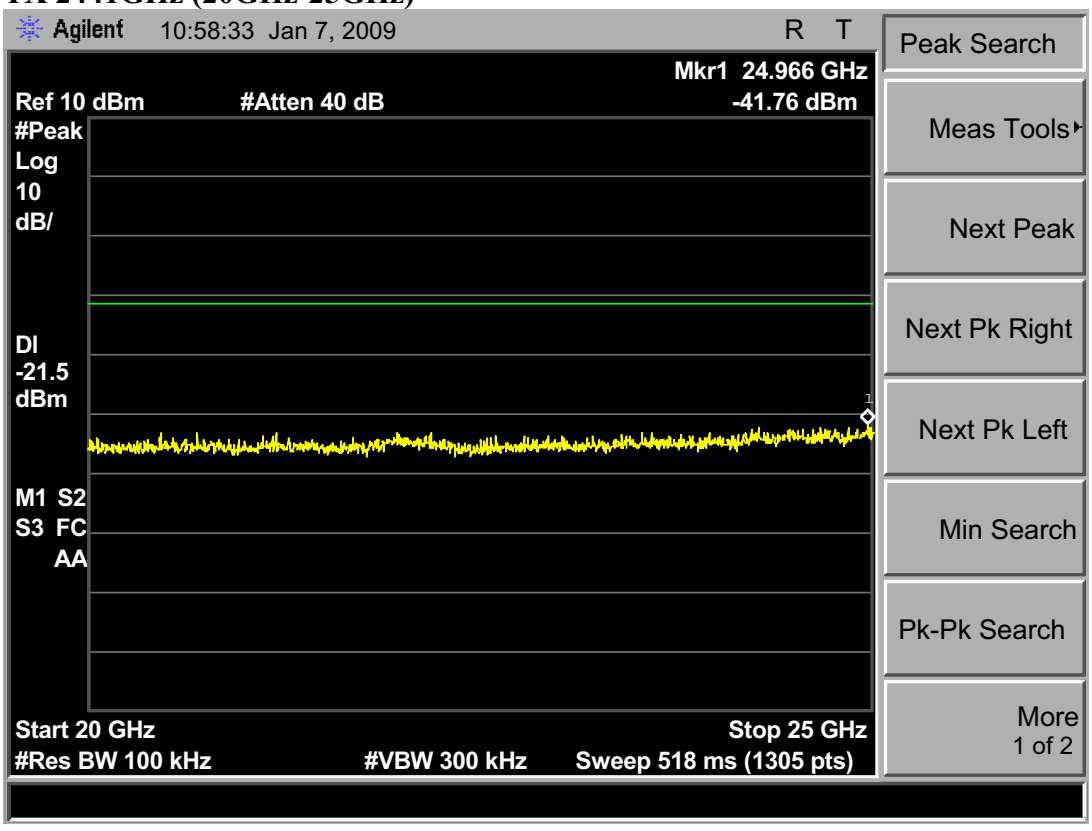
TX 2441GHz (10GHz-15GHz)



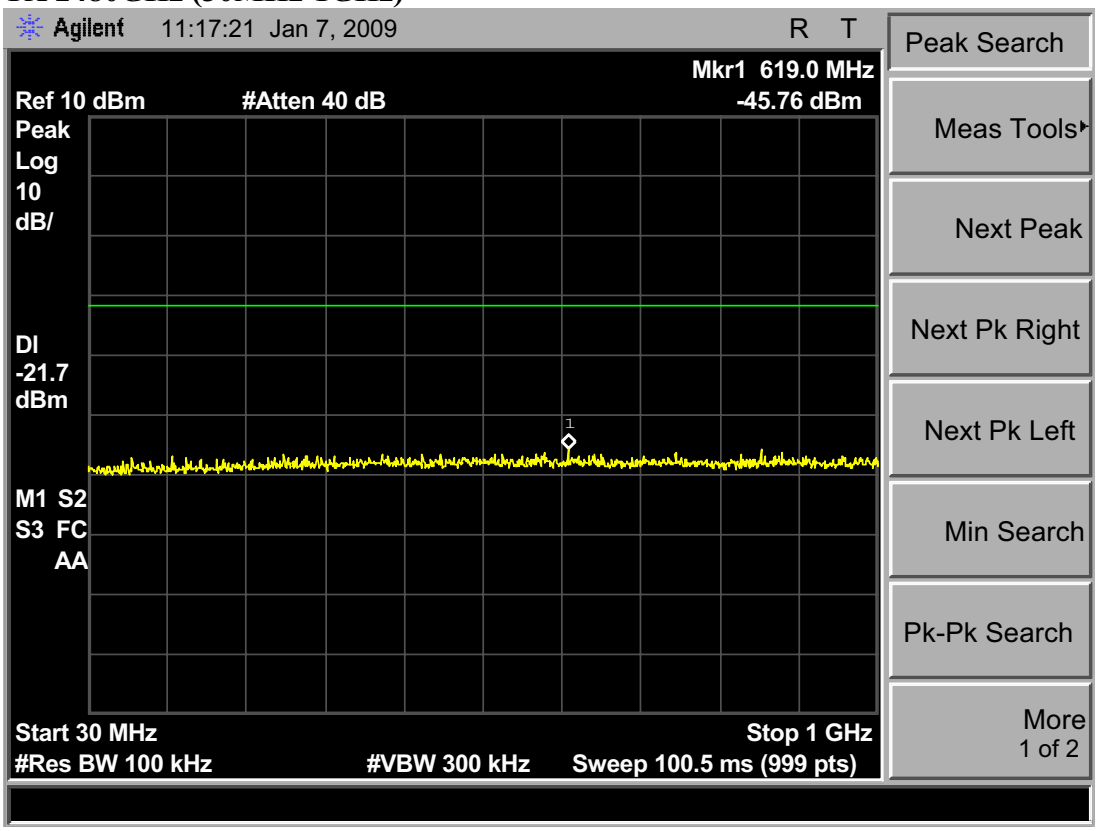
TX 2441GHz (15GHz-20GHz)



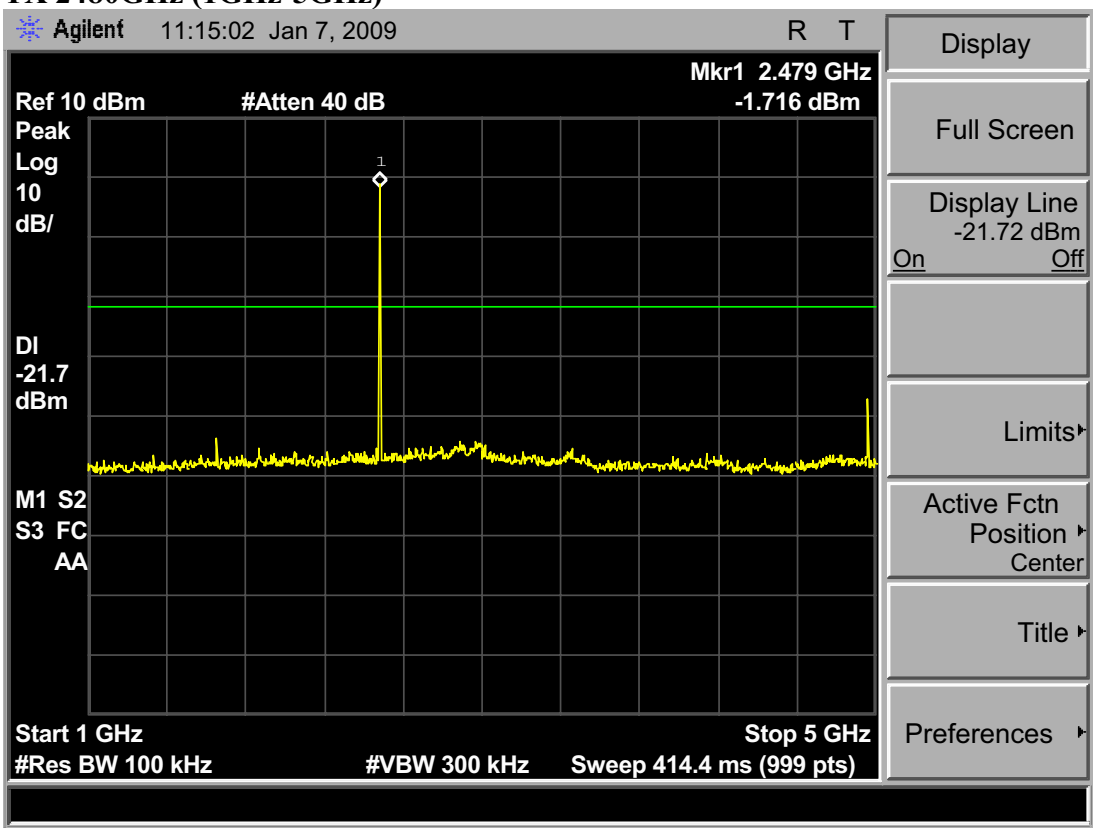
TX 2441GHz (20GHz-25GHz)



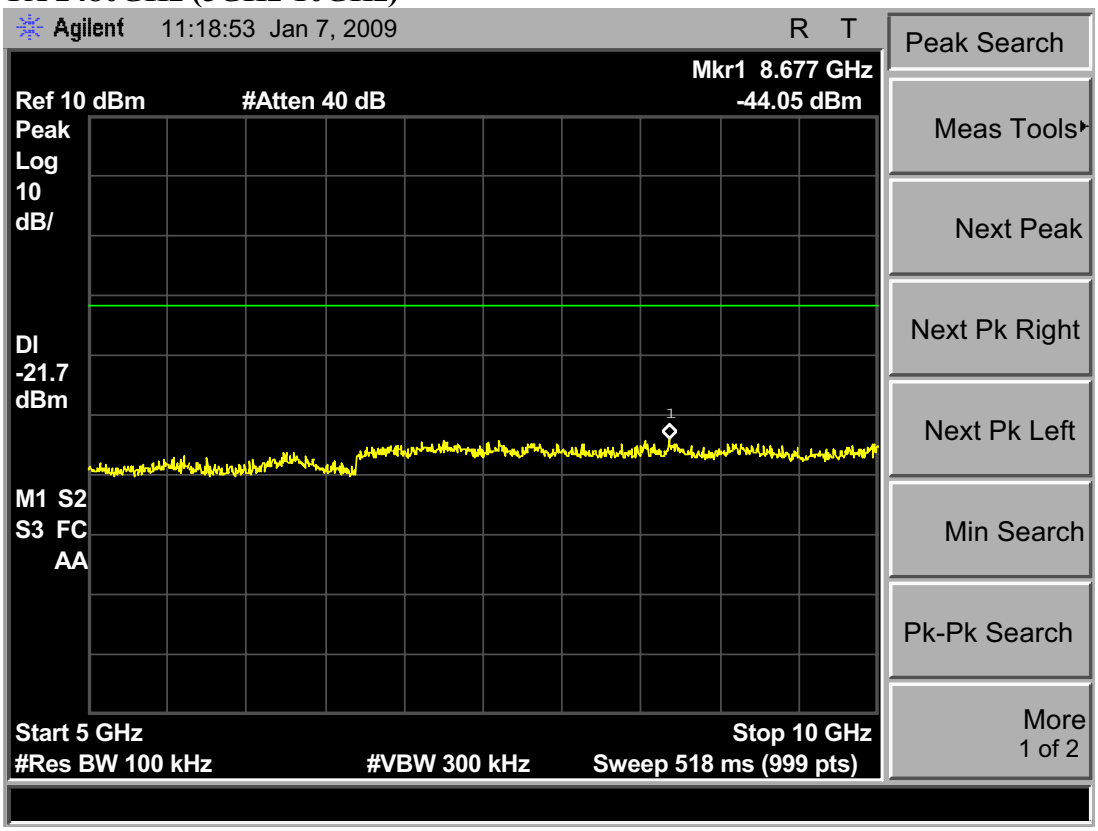
TX 2480GHz (30MHz-1GHz)



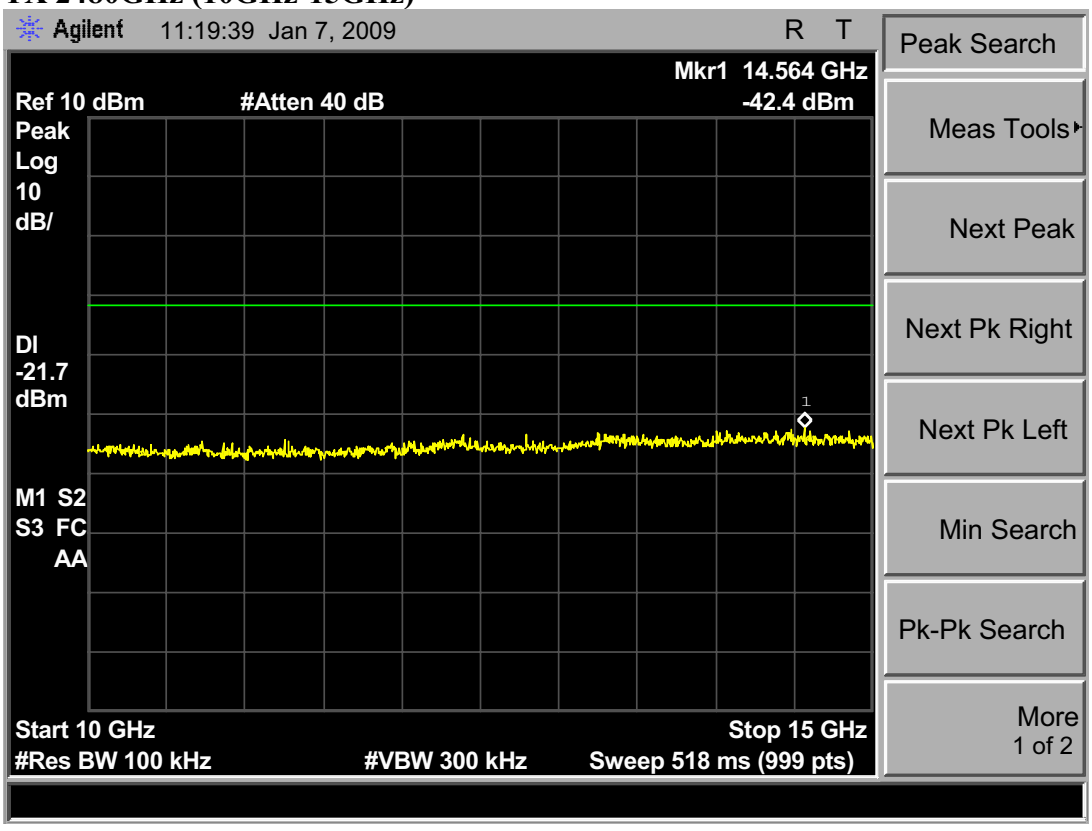
TX 2480GHz (1GHz-5GHz)



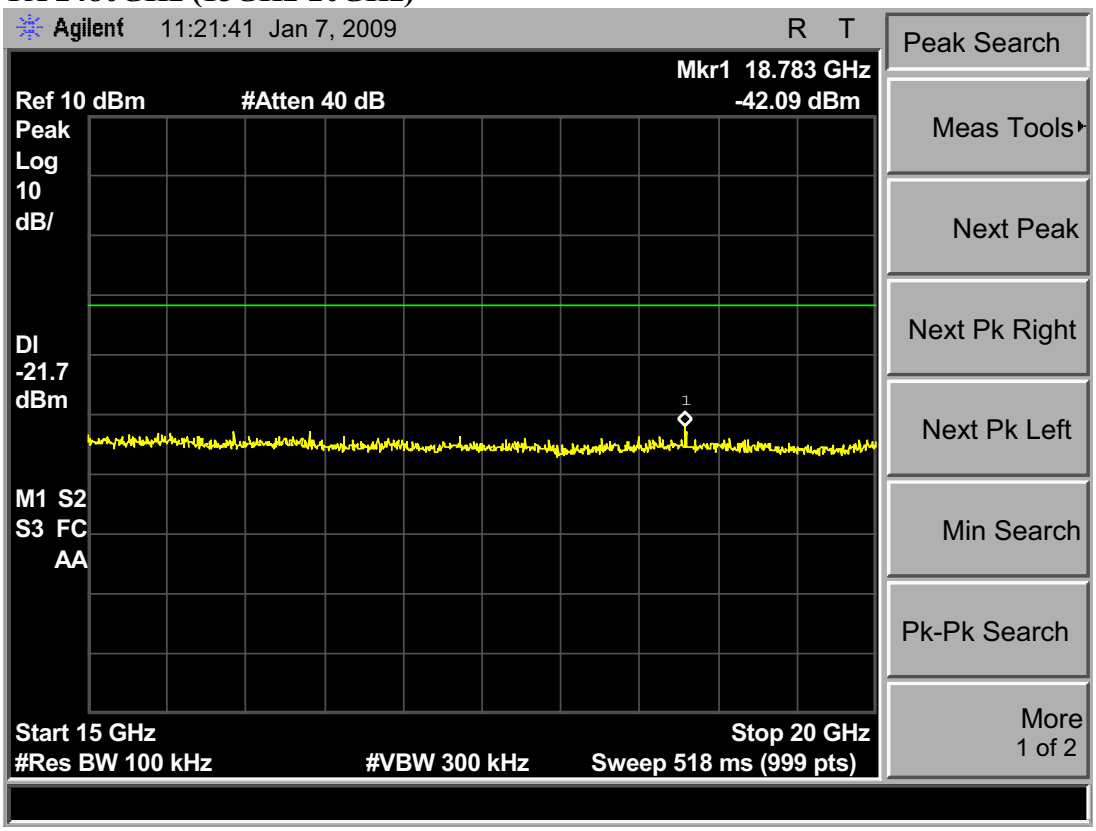
TX 2480GHz (5GHz-10GHz)



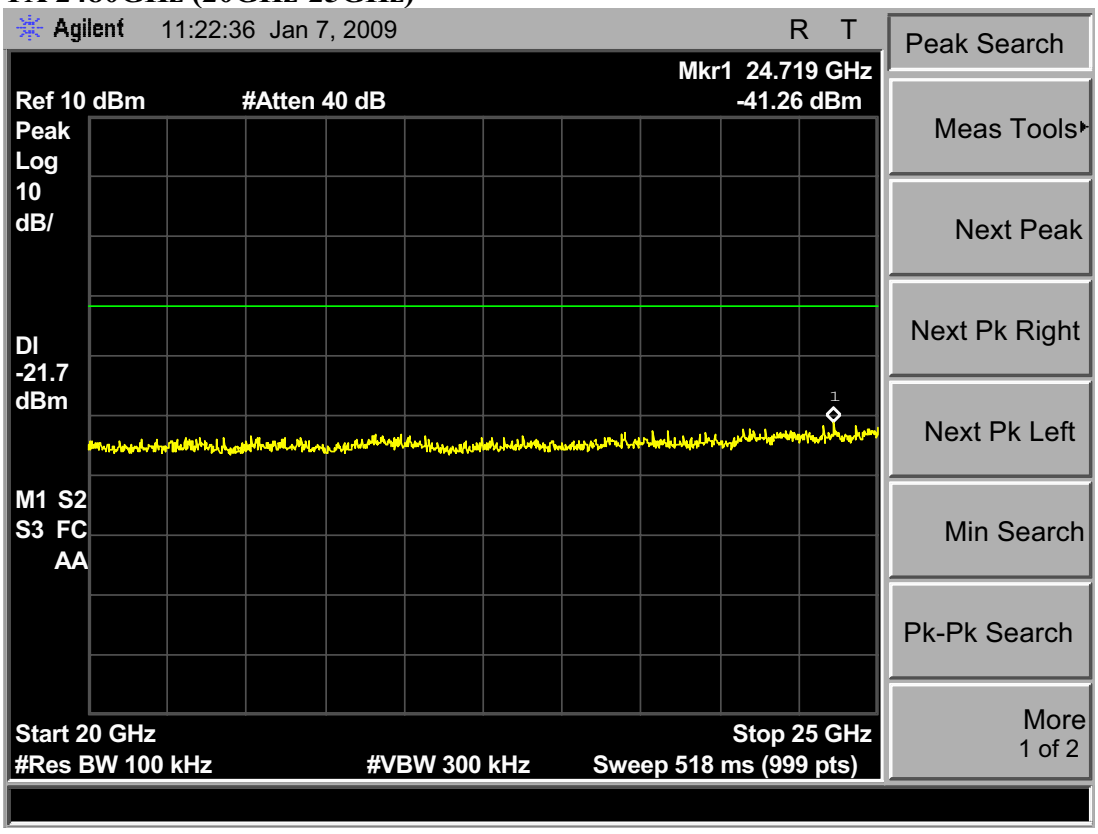
TX 2480GHz (10GHz-15GHz)



TX 2480GHz (15GHz-20GHz)



TX 2480GHz (20GHz-25GHz)



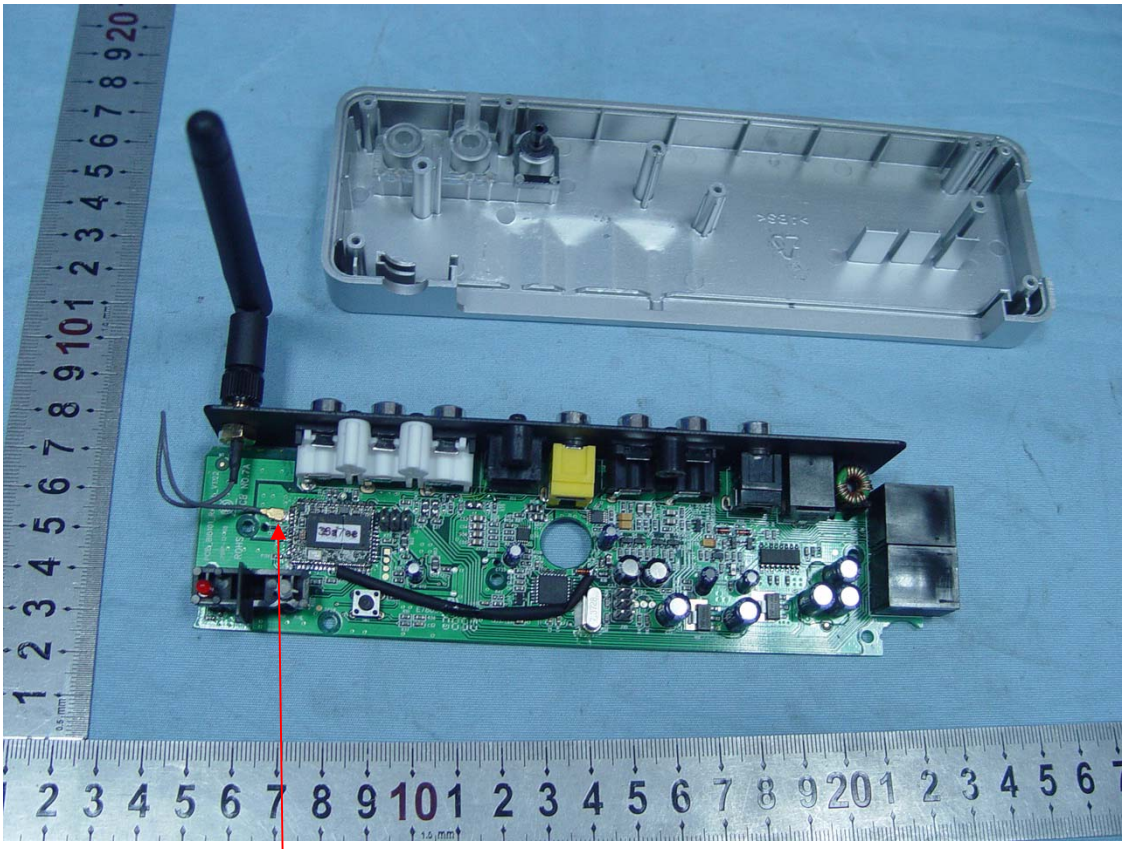
14. ANTENNA REQUIREMENT

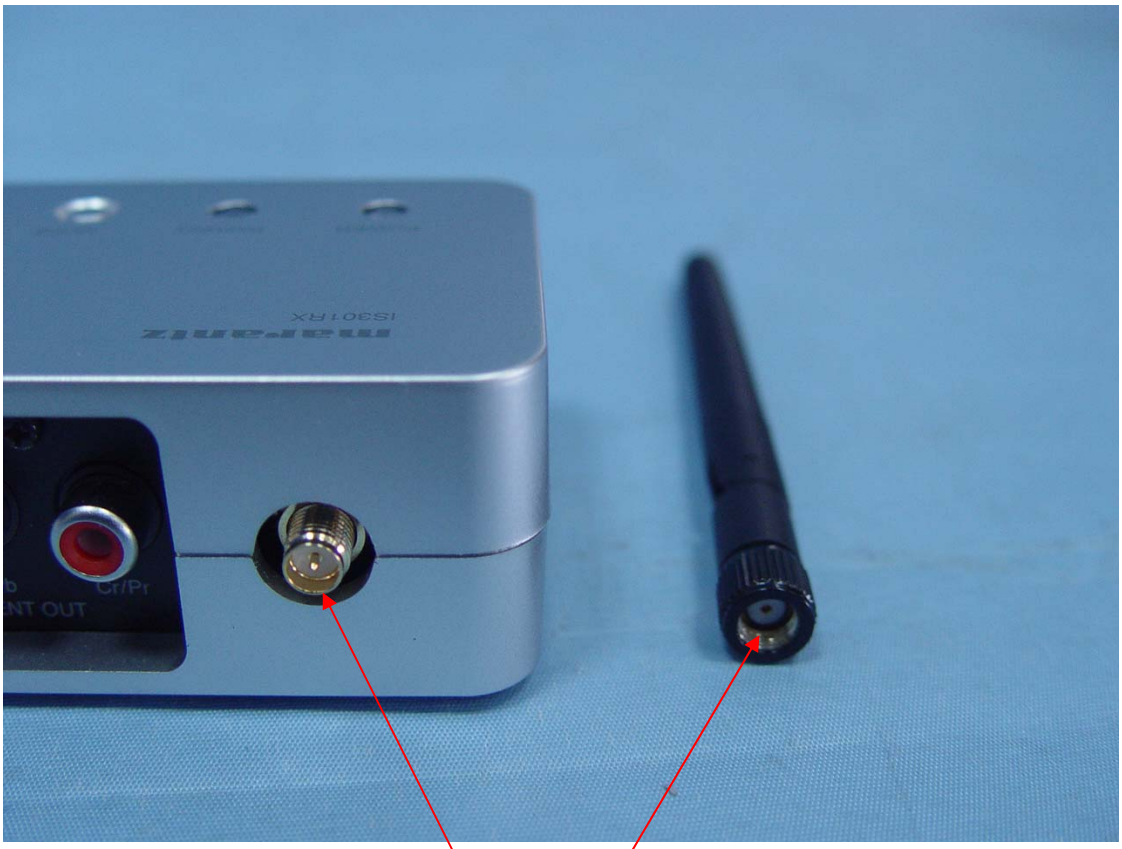
14.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

14.2. Antenna Construction

The antenna used for this product is antenna with Reverse Polarity SMA connector, no consideration of replacement other than that furnished by the responsible party. Therefore, the equipment complies with the antenna requirement of Section 15.203.





Antenna connect port