

May 20, 2009

KENWIN INDUSTRIAL (H.K.) LTD. Rm. 1512, 15, 17&19, 15/F., Shatin Galleria, 18-24 Shan Mei St., Fotan, N.T., Hong Kong

Dear Ambert Fok:

Enclosed you will find your file copy of Class II Permissive Change (FCC ID: VWPKENWIN00003)

For your reference, TCB will normally take another 20 days for reviewing the report. Approval will then be granted when no query is sorted.

Please contact me if you have any questions regarding the enclosed material.

Sincerely,

Shawn Xing

Assistant Manager

Enclosure



KENWIN INDUSTRIAL (H.K.) LTD.

Application For Class II Permissive Change

(FCC ID: VWPKENWIN00003)

Sample Description: Wireless Docking System

Model: KW-1008C Additional Model: W2C/WS2C

Birly li

SZ09040178-1 Billy Li May 20, 2009

- -The test results reported in this test report shall refer only to the sample actually tested and shall not refer or be deemed to refer to bulk from which such a sample may be said to have been obtained.
- This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results referenced from this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
- For Terms And Conditions of the services, it can be provided upon request.
- The evaluation data of the report will be kept for 3 years from the date of issuance.

TRF no.: FCC 15C_TXa FCC ID: VWPKENWIN00003

6F, D Block, Huahan Building, Langshan Road, Nanshan District, Shenzhen, P. R. China

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MEASUREMENT/TECHNICAL REPORT

KENWIN INDUSTRIAL (H.K.) LTD. - MODEL: KW-1008C Additional Model: W2C/WS2C

	Original Grant Class II Change X					
Equipment Type: DTS - Part 15 Digital Transmission Systems						
Deferred grant requested per 47 CF	R 0.457(d)(1)(ii)? Yes NoX					
Company Name agrees to notify the	If yes, defer until : date Commission by: date					
of the intended date of announcen issued on that date.	nent of the product so that the grant can be					
Transition Rules Request per 15.373	Yes NoX_					
If no, assumed Part 15, Subpart [09-20-07 Edition] provision.	C for intentional radiator - the new 47 CFR					
Report prepared by:	Shawn Xing Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch 6F, Block D, Huahan Building, Langshan Roa Nanshan District, Shenzhen, P. R. China Phone: (86 755) 8601 6288 Fax: (86 755) 8601 6751					

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List of attached file

Exhibit Type	File Description	Filename
Test Report	Test Report	report.pdf
Test Report	6 dB Bandwidth Plot	6dB.pdf
Test Report	Maximum Output Power Plot	maxop.pdf
Test Report	Out Band Antenna Conducted Emission Plot & Radiated Emission on the Bandedge	obantcon.pdf.pdf
Test Report	Average Factor	af.pdf
Test Report	Conducted Emission Test Result	conduct.pdf
Test Report	Radiated Emission Test Result	radiate.pdf
Test Setup Photo	Radiated Emission	radiated photos.doc
Test Setup Photo	Conducted Emission	conducted photos.doc
External Photo	External Photo	external photos.doc
Internal Photo	Internal Photo	internal photos.doc
Block Diagram	Block Diagram	block.pdf
Schematics	Circuit Diagram	circuit.pdf
ID Label/Location	Label Artwork and Location	label.pdf
User Manual	User Manual	manual.pdf
Operation Description	Technical Description	descri.pdf
Cover Letter	Confidentiality Request	request.pdf
Cover Letter	Letter of Agency	letter.pdf
RF Exposure info	RF Safety	RF exposure info.pdf
Cover Letter	Purpose of change letter	change

EXHIBIT 1

SUMMARY OF TEST RESULTS

1.0 Summary of Test

KENWIN INDUSTRIAL (H.K.) LTD. - MODEL: KW-1008C

FCC ID: VWPKENWIN00003

TEST	REFERENCE	RESULTS
Max. Output power	15.247(b)	Pass
6 dB Bandwidth	15.247(a)(2)	Pass
Out of Band Antenna Conducted Emission	15.247(d)	Pass
Radiated Emission in Restricted Bands	15.247(d)	Pass
AC Conducted Emission	15.207	Pass
Antenna Requirement	15.203	Pass (See Notes)

Notes: The EUT uses an internal PCB antenna, which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.

EXHIBIT 2

GENERAL DESCRIPTION

2.0 **General Description**

2.1 Product Description

The Equipment Under Test (EUT) is a transceiver of a Wireless Docking System model: KW-1008C. It is powered by an external adaptor (Input: 120V AC / 60Hz, output: DC 15.0V, 2000mA). The main function is to receive RF audio signal from a Wireless Audio System (sold together) via three auto-selected channels (2412MHz, 2438MHz and 2464MHz) and demodulate the RF signal, decode and convert to analogue audio signal out put via the speaker.

The Model: W2C/WS2C is the same as the tested Model: KW-1008C in hardware and software aspect. The only differences are the appearance, trade name and model no. for trading purpose.

Antenna Type: Integral PCB antenna.

The circuit descriptions are saved with filename: descri.pdf.

2.2 Related Submittal(s) Grants

This is an application for Class II Permissive Change for the transmitter portion of wireless speaker (2.4GHz Transceiver), and the corresponding Wireless Audio System (2.4GHz Transceiver) is authorized by certification procedure with FCC ID: VWPKENWIN00002.

2.3 Purpose of Change

The purpose of change is saved as filename: change.pdf

2.4 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.4 (2003). Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "Justification Section" of this Application. All other measurements were made in accordance with the procedures in part 2 of CFR 47and KDB 558074.

2.5 Test Facility

The Semi-Anechoic chamber used to collect the radiated data is **SHENZHEN ACADEMY OF METROLOGY AND QUALITY INSPECTION** and located at Bldg. of Metrology & Quality Inspection, Longzhu Road, Shenzhen, Guangdong, China. This test facility and site measurement data have been fully placed on file with the FCC.

The shield room used to collect the conducted data is **Intertek Testing Services Shenzhen Ltd.** and located at 6/F., Block D, Huahan Building, Langshan Road, Shenzhen, China. This test facility and site measurement data have been fully placed on file with the FCC.

EXHIBIT 3 SYSTEM TEST CONFIGURATION

3.0 **System Test Configuration**

3.1 Justification

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables were manipulated to produce worst case emissions. It was powered by an external adaptor (Input: 120V AC / 60Hz, Output 15.0V DC, 2000mA)

The signal is maximized through rotation and placement in the three orthogonal axes. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

3.2 EUT Exercising Software

The EUT exercise program (provided by client) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use.

The parameters of test software setting:

During the test, Channel and power controlling software provided by the applicant was used to control the operating channel as well as the output power level.

3.3 Details of EUT and Description of Peripherals

There are no special accessories necessary for compliance of this product.

3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

Uncertainty and Compliance - Unless the standard specifically states that measured values are to be extended by the measurement uncertainty in determining compliance, all compliance determinations are based on the actual measured value.

3.5 Equipment Modification

Any modifications installed previous to testing by Kenwin Industrial (H.K.) Ltd. will be incorporated in each production model sold/leased in the United States.

No modifications were installed by Intertek Testing Services.

All the items listed under section 3.0 of this report are confirmed by:

Confirmed by:

Shawn Xing Assistant Manager Intertek Testing Services Shenzhen Ltd. Kejiyuan Branch Agent for KENWIN INDUSTRIAL (H.K.) LTD.

Signature

May 20, 2009 Date

EXHIBIT 4

MEASUREMENT RESULTS

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.0 Measurement Results

4.1 Maximum Conducted Output Power at Antenna Terminals, FCC Rules 15.247(b)(3):

- [] The antenna power of the EUT was connected to the input of a power meter. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals.
- [x] The antenna port of the EUT was connected to the input of a spectrum analyzer. The analyzer was set for RBW> 6dB bandwidth and power was read directly in dBm. External attenuation and cable loss were compensated from the measured value.

For antennas with gains of 6 dBi or less, maximum allowed Transmitter output is 1 watt (+30 dBm).

Digital Modulation (PCB Antenna Gain = 0dBi)						
Frequency (MHz) Output in dBm Output in mWatt						
Low Channel: 2412	17.1	51.3				
Middle Channel: 2438	17.1	51.3				
High Channel: 2464	16.8	47.9				

Cable loss: 0.5 dB External Attenuation: 0 dB

EUT dBm max. output level = 17.1 dBm

Please refer to the attached plots for details:

Plot B1A1: Low Channel Output Power Plot B1B1: Middle Channel Output Power Plot B1C1: High Channel Output Power

For electronic filing, the above plots are saved with filename: maxop.pdf

For RF Safety, the information is saved with filename: RF exposure info.pdf.

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.2 Minimum 6 dB RF Bandwidth, FCC Rule 15.247(a)(2):

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100kHz. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

Digital Modulation				
Frequency (MHz)	6 dB Bandwidth (MHz)			
2438	9.760			

Limit: at least 500 kHz

Refer to the following plots for 6 dB bandwidth sharp:

Plot B2A1: Low Channel 6 dB RF Bandwidth Plot B2B1: Middle Channel 6 dB RF Bandwidth Plot B2C1: High Channel 6 dB RF Bandwidth

For electronic filing, the above plots are saved with filename: 6dB.pdf

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.3 Out of Band Conducted Emissions, FCC Rule 15.247(d)

In any 100 kHz bandwidth outside the EUT passband, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20dB below that of the maximum in-band 100 kHz emission, or else shall meet the general limits for radiated emissions at frequencies outside the passband, whichever results in lower attenuation.

All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the passband.

Refer to the following plots for out of band conducted emissions data & bandedge:

Plot B4A1 - B4A2: Low Channel Emissions Plot B4B1 - B4B2: Middle Channel Emissions Plot B4C1 - B4C2: High Channel Emissions Plot B4D1 - B4D2: Bandedge Emissions

The plots showed all spurious emission and up to the tenth harmonic was measured and they were found to be at least 20 dB below the highest level of the desired power in the passband.

For the electronic filing, the above plots are saved with filename: obantcon.pdf

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009 Model: KW-1008C

4.4 Out of Band Radiated Emissions (for emissions in 4.3 above that are less than 20dB below carrier), FCC Rule 15.247(d):

For out of band emissions that are close to or that exceed the 20dB attenuation requirement described in the specification, radiated measurements were performed at a 3m separation distance to determine whether these emissions complied with the general radiated emission requirement.

$[\times]$	Not required, since a	ıll emissions are	more than	20dB	below fu	ındamental
[]	See attached data s	neet				

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.5 Transmitter Radiated Emissions in Restricted Bands, FCC Rule 15.35(b), (c):

Data is included of the worst case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.6 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

FS = RA + AF + CF - AG + PD + AV

Where $FS = Field Strength in dB\mu V/m$

RA = Receiver Amplitude (including preamplifier) in $dB\mu V$

CF = Cable Attenuation Factor in dB

AF = Antenna Factor in dB

AG = Amplifier Gain in dB

PD = Pulse Desensitization in dB

AV = Average Factor in -dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD + AV$$

Example

Assume a receiver reading of 62.0 dB μ V is obtained. The antenna factor of 7.4 dB and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB, and the resultant average factor was -10 dB. The net field strength for comparison to the appropriate emission limit is 32 dB μ V/m. This value in dB μ V/m was converted to its corresponding level in μ V/m.

 $RA = 62.0 \text{ dB}\mu\text{V}$

AF = 7.4 dB

CF = 1.6 dB

AG = 29.0 dB

PD = 0 dB

AV = -10 dB

 $FS = 62 + 7.4 + 1.6 - 29 + 0 + (-10) = 32 dB\mu V/m$

Level in mV/m = Common Antilogarithm [(32 dB μ V/m)/20] = 39.8 μ V/m

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.7 Radiated Emission Configuration Photograph

Worst Case Radiated Emission at 4928.052MHz

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.doc.

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.8 Radiated Emission Data

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

Judgement: Passed by 5.0dB margin

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Birly li

Tester Signature

Billy Li, Compliance Engineer_ Typed/Printed Name

May 20, 2009

Date

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

Mode: TX-Channel 01 (2412MHz)

Table 1

Radiated Emissions

Polarization	Frequency	Reading	Pre-	Antenna	Average	Net	Limit	Margin
	(MHz)	(dBµV)	Amp	Factor	Factor	at 3m	at 3m	(dB)
			Gain	(dB)	(-dB)	(dBµV/m)	(dBµV/m)	
			(dB)					
Н	*2386.02	48.0	20.0	32.8	17.6	43.2	54.0	-10.8
Н	*4824.020	53.6	20.0	32.8	17.6	48.8	54.0	-5.2
V	*4824.040	53.2	20.0	32.8	17.6	48.4	54.0	-5.6

NOTES: 1. Peak detector is used for the emission measurement.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- * Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Test Engineer: Billy Li

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

Mode: TX-Channel 02 (2438MHz)

Table 2

Radiated Emissions

Polarization	Frequency (MHz)	Reading (dBµV)	Pre- Amp Gain	Antenna Factor (dB)	Average Factor (-dB)	Net at 3m (dBµV/m)	Limit at 3m (dBµV/m)	Margin (dB)
Н	*4876.110	53.5	(dB) 20.0	32.8	17.6	48.7	54.0	-5.3
V	*4876.080	53.4	20.0	32.8	17.6	48.6	54.0	-5.4

NOTES: 1. Peak detector is used for the emission measurement.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- * Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Test Engineer: Billy Li

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

Mode: TX-Channel 03 (2464MHz)

Table 3

Radiated Emissions

Polarization	Frequency	Reading	Pre-	Antenna	Average	Net	Limit	Margin
	(MHz)	(dBµV)	Amp	Factor	Factor	at 3m	at 3m	(dB)
			Gain	(dB)	(-dB)	(dBµV/m)	(dBµV/m)	
			(dB)					
Н	**2465.100	96.1	20.0	32.8	17.6	91.3	N/A	N/A
Н	*4928.052	53.8	20.0	32.8	17.6	49.0	54.0	-5.0
V	*4928.040	53.5	20.0	32.8	17.6	48.7	54.0	-5.3

NOTES: 1. Peak detector is used for the emission measurement.

- 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
- 3. Negative value in the margin column shows emission below limit.
- 4. Horn antenna used for the emission over 1000MHz.
- * Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.
- ** Fundamental emissions were measured for determining band-edge compliance of using delta measurement technique. Peak value and average level were 108.9dBμV/m and 91.3dBμV/m respectively. The worst case emissions were at 2483.500 MHz with average level 38.8 dBμV/m, which was passed by 15.2 dB margin compared with average limit.

Test Engineer: Billy Li

	licant: KENWIN INDUSTRIAL (H.K.) LTD. lel: KW-1008C	Date of Test: May 20, 2009
4.9	AC Line Conducted Emission, FCC Rule 15.207:	
[]	Not required; battery operation only	

[x] Test data attached

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.10 Line Conducted Configuration Photograph

Worst Case Line-Conducted Configuration at 0.186MHz

For electronic filing, the worst case line conducted configuration photographs are saved with filename: conducted photos.doc.

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.11 Line Conducted Emission Configuration Data

The data on the following pages list the significant emission frequencies, the limit, and the margin of compliance.

Judgement: Passed by 23.8 dB margin

For electronic filing, the conducted emission test result is saved with filename: conducted.pdf

TEST PERSONNEL:

Birly Li

Tester Signature

Billy Li, Compliance Engineer
Typed/Printed Name

May 20, 2009

Date

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Model: KW-1008C	Date of Test: May 20, 2009
4.12 Radiated Emissions from Digital Section of Transce	eiver, FCC Ref: 15.109
[] Not required - No digital part	
[x] Test results are attached	
[] Included in the separated Verification report.	
For electronic filing, the radiated emission test result is save	ed with filename: radiated.pdf

Applicant: KENWIN INDUSTRIAL (H.K.) LTD. Date of Test: May 20, 2009

Model: KW-1008C

4.13 Transmitter Duty Cycle Calculation and Measurements, FCC Rule 15.35(b), (c)

The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SWEP function on the analyzer was set to ZERO SPAN. The Transmitter ON time was determined from the resultant time-amplitude display:

Х	See attached spectrum analyzer chart (s) for Transmitter timing
	See Transmitter timing diagram provided by manufacturer
	Not applicable, duty cycle was not used.

EXHIBIT 5

EQUIPMENT PHOTOGRAPHS

5.0 **Equipment Photographs**

For electronic filing, the photographs are saved with filename: external photos.doc & internal photos.doc.

EXHIBIT 6

PRODUCT LABELLING

6.0 **Product Labelling**

For electronic filing, the FCC ID label artwork and location is saved with filename: label.pdf.

EXHIBIT 7

TECHNICAL SPECIFICATIONS

7.0 <u>Technical Specifications</u>

For electronic filing, the block diagram and circuit diagram are saved with filename: block.pdf and circuit.pdf respectively.

EXHIBIT 8

INSTRUCTION MANUAL

8.0 Instruction Manual

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

EXHIBIT 9

CONFIDENTIALITY REQUEST

9.0 **Confidentiality Request**

The applicant would like to have confidential protection of the following documents:

- Block Diagram
- Circuit Diagram
- Operational Description

For electronic filing, the request letter is saved with filename: request.pdf.

EXHIBIT 10

MISCELLANEOUS INFORMATION

10.0 <u>Discussion of Pulse Desensitization</u>

The determination of pulse desensitivity was made in accordance with Hewlett Packard Application Note 150-2, *Spectrum Analysis ... Pulsed RF.*

The effective period (Teff) was 25.8µs, as shown in section 4.13. with a resolution bandwidth (3dB) of 1MHz, the pulse desensitivity factor was 0 dB.