



Nemko USA, Inc.
11696 Sorrento Valley Rd., Suite F
San Diego, CA 92121-1024

Test Report: **2004 090071 FCC22**

Applicant: **Kyocera Wireless**
10300 Campus Point Drive
San Diego, CA 92121
858 449-9835
619 330-4977- fax

Equipment Under Test: **AT Road Internet Location Mobile Device**
Model: **iLM2720**

FCC ID: OVFKWC-M200

In Accordance With: **FCC Part 22, Subpart H**
800 MHz Cellular Subscriber Units
AND **Industry Canada RSS-129**

Tested By: Nemko USA Inc.
11696 Sorrento Valley Road
San Diego, CA 92121-1024

Date: October 5, 2004

Total Number of Pages: 25

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Section 1. Summary of Test Results

General:

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 22, Subpart H.

DOCUMENT HISTORY

REVISION	DATE	COMMENTS
-	August 29, 2004	Prepared By: A. Laudani
-	August 29, 2004	Initial Release: R. L. Hill
	February 14, 2005	Corrected Ant. Model #'s A. Laudani

NOTE: Nemko USA, Inc. hereby makes the following statements so as to conform to Chapter 10 (Test Reports) Requirements of ANSI C63.4 (1992) "Methods and Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz":

- The unit described in this report was received at Nemko USA, Inc.'s facilities on **September 10, 2004**. Testing was performed on the unit described in this report on **September 10, 2004 to** September 14, 2004 .
- The Test Results reported herein apply only to the Unit actually tested, and to substantially identical Units.
- This report does not imply the endorsement of the Federal Communications Commission (FCC), NVLAP or any other government agency.

This Report is the property of Nemko USA, Inc., and shall not be reproduced, except in full, without prior written approval of Nemko USA, Inc. However, all ownership rights are hereby returned unconditionally to **Kyocera Wireless** , and approval is hereby granted to **Kyocera Wireless** and its employees and agents to reproduce all or part of this report for any legitimate business purpose without further reference to Nemko USA, Inc.

CERTIFICATION

Nemko USA, Inc., an independent Electromagnetic Compatibility (EMC) Test Laboratory, produced this Test Report and performed the Radio Frequency Interference (RFI) testing and data evaluation contained herein.

Nemko USA, Inc.'s measurement facility is currently registered with the United States Federal Communications Commission (FCC) in accordance with the provisions of 47 United States Code (CFR) Part 2, Subpart I, Section 2.948(a). A current description of Nemko USA, Inc.'s measurement facility is on file with the FCC. Nemko USA Inc. has additionally satisfied the FCC that it complies with the requirements set forth in 47 CFR Part 2, Subpart I, Section 2.948(d) regarding the accreditation of EMC laboratories. As a result, the FCC has placed Nemko USA Inc. on its list of EMC laboratories approved to perform Declaration of Conformity (DOC) procedure testing.

The RFI testing, test data collection and test data evaluation were accomplished in accordance with the ANSI C63.4-1992 Standard, and in accordance with the applicable sections of the FCC rules (47 CFR Parts 2 and 18)." digital devices. The testing was also accomplished in accordance with Industry Canada's ICES-003 standard for unintentional radiating device per EMCAB-3, Issue 3 (May 1998). The administrative summary of this test report provides a description of the test sample

I hereby certify that the test data, test data evaluation, and equipment configurations used to compile this test report are a true and accurate representation of the test sample's radio frequency interference characteristics as of the test date(s), and, for the design of the test sample.



Ricky L. Hill, Senior EMC Engineer

Summary Of Test Data

Name Of Test	Para. No.	Result
RF Power Output	2.1046	Complies
Audio Frequency Response	2.1047	NA ¹
Audio Low Pass Filter Response	2.1047	NA ¹
Modulation Limiting	2.1047	NA ¹
Occupied Bandwidth (WB Data)	2.1049	NA ²
Spurious Emissions at Antenna Terminals	2.1051	NA ²
Field Strength of Spurious Emissions	2.1053	Complies
Frequency Stability	2.1055	NA ²

Footnotes For N/A's:¹ Digital Modulation² Not tested, adding antenna(s) to grant.**Test Conditions:****Indoor**Temperature: 20 °CHumidity: 69 %**Outdoor**Temperature: 24 °CHumidity: 72 %

Section 2. General Equipment Specification

Manufacturer:	Kyocera Wireless
Model No.:	AT Road Internet Location Mobile Device
Serial No.:	N/A
Date Received In Laboratory:	September 10, 2004
Nemko Identification No.:	24-071-KYO-R1

Section 3. RF Power Output

Para. No.: 2.1046

Test Performed By: Alan Laudani	Date of Test: 9/10/2004
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Minimum Standard: Para. No. 22.913(a). The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

Test Results: Complies, see tables below.

Measurement Data:

M200 module with antenna model:	Modulation	Frequency (MHz)	Measured / Rated (dBm)
SMM-UCE-3ASC	FM	824.7	19.5
SMM-UCE-3ASC		836.59	15.9
SMM-UCE-3ASC		849.97	15.4
MM3-900/1900	FM	824.7	15.3
MM3-900/1900		836.59	11.4
MM3-900/1900		849.97	15.7
MM3-U15-1A-2C	FM	824.7	15.6
MM3-U15-1A-2C		836.59	15.2
MM3-U15-1A-2C		849.97	15.4
SMM-UCE-3ASC	CDMA	824.04	16.5
SMM-UCE-3ASC		836.49	11.3
SMM-UCE-3ASC		849.31	13.5
MM3-900/1900	CDMA	824.04	14.7
MM3-900/1900		836.49	9.2
MM3-900/1900		849.31	6.5
MM3-U15-1A-2C	CDMA	824.04	17.0
MM3-U15-1A-2C		836.49	10.4
MM3-U15-1A-2C		849.31	11.3



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NEMKO USA, Inc.
Substitution Method For Radiated Emissions

Complete	<u>Yes</u>	Job # :	<u>24-071-KYO-R1</u>	Test # :	<u>5</u>
Preliminary		Page	<u>1</u>	of	<u>1</u>
Client Name :	<u>KYOCERA WIRELESS Corp.</u>				
EUT Name :	<u>1 M200 with SMM-UCE-3A2C</u> <u>2 M200 with MM3-900/1900</u> <u>3 M200 with MM3-U15-1A-2C</u>				
Specification :	<u>FCC Part 22</u>				
Rod. Ant. #:	<u>NA</u>	Temp. (deg. C) :	<u>22</u>	Date :	<u>9/14/2004</u>
Bicon Ant. #:	<u>NA</u>	Humidity (%) :	<u>60</u>	Staff :	<u>A. Laudani</u>
Log Ant. #:	<u>NA</u>	EUT Voltage :			
DRG Ant. #:	<u>529</u>	EUT Frequency :			
Dipole Ant. #:	<u>NA</u>	Phase:		Peak Bandwidth:	<u>RBW-1MHz, VBW-1MHz</u>
Cable#:	<u>60ft</u>	Location:	<u>SOATS</u>		
Preamp#:	<u>317</u>	Distance:	<u>3m</u>		
Spec An. #:	<u>537</u>				

		target		dipole	cable loss dB	Signal Generator dBm	Total (EIRP) dBm	Spec dBm	Margin dBm
	EUT	Frequency mHz	level dBuV/m						
FM Low Freq.	1	824.7	93.2		4.0	23.5	19.5	33	-13.5
FM Mid Freq.	1	836.49	93.5		4.0	19.9	15.9	33	-17.1
FM High Freq.	1	849.97	92.1		4.0	19.4	15.4	33	-17.6
FM Low Freq.	2	824.7	89.0		4.0	19.3	15.3	33	-17.7
FM Mid Freq.	2	836.49	89.0		4.0	15.4	11.4	33	-21.6
FM High Freq.	2	849.97	92.4		4.0	19.7	15.7	33	-17.3
FM Low Freq.	3	824.7	89.3		4.0	19.6	15.6	33	-17.4
FM Mid Freq.	3	836.49	92.8		4.0	19.2	15.2	33	-17.8
FM High Freq.	3	849.97	92.1		4.0	19.4	15.4	33	-17.6
CDMA Low Freq.	1	824.04	90.2		4.0	20.5	16.5	33	-16.5
CDMA Mid Freq.	1	836.49	88.9		4.0	15.3	11.3	33	-21.7
CDMA High Freq.	1	849.31	90.2		4.0	17.5	13.5	33	-19.5
CDMA Low Freq.	2	824.04	88.4		4.0	18.7	14.7	33	-18.3
CDMA Mid Freq.	2	836.49	86.8		4.0	13.2	9.2	33	-23.8
CDMA High Freq.	2	849.31	83.2		4.0	10.5	6.5	33	-26.5
CDMA Low Freq.	3	824.04	90.7		4.0	21.0	17.0	33	-16.0
CDMA Mid Freq.	3	836.49	88.0		4.0	14.4	10.4	33	-22.6
CDMA High Freq.	3	849.31	88.0		4.0	15.3	11.3	33	-21.7

Section 4. Audio Frequency Response

Para. No.: 2.1047

Test Performed By:	Date of Test:
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Minimum Standard: Para. No. 15-19-B.

Test Results: Not Applicable, digital modulation

Measurement Data: See attached graph.

Section 5. Audio Low-Pass Filter Response**Para. No.: 2.1047**

Test Performed By:	Date of Test:
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Minimum Standard: Para. No. 22.915 (d).**Test Results:** Not Applicable, digital modulation**Measurement Data:** See attached graph.

d) Audio filter characteristics. Except as provided in Sec. 22.917, radiotelephony signals applied to the modulator from the modulation limiter must be attenuated as a function of frequency as specified in this paragraph.

- (1) For mobile stations, these signals must be attenuated, relative to the level at 1 kHz, as follows:
 - (i) In the frequency ranges of 3.0 to 5.9 kHz and 6.1 to 15.0 kHz, signals must be attenuated by at least $40 \log(f/3)$ dB, where f is the frequency of the signal in kHz.
 - (ii) In the frequency range of 5.9 to 6.1 kHz, signals must be attenuated at least 35 dB.
 - (iii) In the frequency range above 15 kHz, signals must be attenuated at least 28 dB.

Section 6. Modulation Limiting**Para. No.: 2.1047**

Test Performed By:	Date of Test:
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Minimum Standard: 22.915(b)**Test Results:** Not Applicable, digital modulation**Measurement Data:** See attached graph.SAT Deviation:
WB Data Deviation:
ST Deviation:

Section 7. Occupied Bandwidth (WB Data)**Para. No.: 2.1049**

Test Performed By:	Date of Test:
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Minimum Standard: 22.917(d)**Test Results:** Not applicable, adding antenna to grant.**Test Data:** See attached graph(s).

Section 8. Spurious Emissions At Antenna Terminals**Para. No.: 2.1051**

Test Performed By:	Date of Test:
---------------------------	----------------------

Minimum Standard: Para. No. 22.917(b).**Test Results:** Not applicable, adding antenna(s) to grant.**Test Data:** See attached graphs.

Section 9. Field Strength of Spurious**Para. No.: 2.1053**

Test Performed By: Alan Laudani	Date of Test: 9/10/2004
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Minimum Standard: Para. No. 22.917(b).**Test Results:** The maximum field strength is -20.1 dBm @ 1672.98 MHz @ 3m.**Test Data:** See attached tables.



FCC PART 22, SUBPART H
800 MHz CELLULAR SUBSCRIBER UNITS
24-071-KYO-R1
EQUIPMENT: AT ROAD INTERNET LOCATION MOBILE DEVICE



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Fax: (858) 452-1810

Radiated Emissions Data										
Complete Preliminary	<u>YES</u>		Job # : <u>24-071-KYO-R</u>		Test # : <u>1</u>					
			Page <u>1</u>		of <u>1</u>					
Client Name :	<u>KYOCERA WIRELESS Corp.</u>									
EUT Name :	<u>M200 MODULE</u>									
EUT Model # :	<u>M200 with SMM-UCE-3A2C</u>									
EUT Serial # :										
EUT Config. :	<u>Transmit CDMA</u>									
Specification :	<u>FCC Part 22</u>									
Rod. Ant. # :	<u>NA</u>	Temp. (C) :	<u>30</u>	Reference :	<u>Date : 9/10/2004</u>					
Bicon Ant. # :	<u>NA</u>	Humidity (%) :	<u>49</u>		<u>Time :</u>					
Log Ant. # :	<u>112</u>	EUT Voltage :	<u>4.2 V</u>		<u>Staff : A. LAUDANI</u>					
DRG Ant. # :	<u>752</u>	EUT Frequency :	<u>dc</u>		<u>Photo ID :</u>					
Dipole Ant. # :	<u>NA</u>	Phase :	<u>-</u>		<u>Peak Bandwidth: 1 MHz</u>					
Cable# :	<u>NOATS</u>	Location :	<u>NOATS</u>		<u>Video Bandwidth 1 MHz</u>					
Preamp# :	<u>317</u>	Distance (meters):	<u>3</u>		<u>Fund. RBW 30 kHz(Video Ave +17 dB)</u>					
Spec An. # :	<u>537</u>	900 MHz high pass filter			<u>NF = Noise Floor</u>					
Meas. Freq. (MHz)	Vertical (dBuV) pk	Horizontal (dBuV) pk	CF (db)	Max Level (dBm) pk	Spec. Limit (dBm) pk	Margin dB pk	EUT Rotation	Ant. Height	Pass Fail Unc.	Comment
824.7	90.5	82.2	27.6	24.87	33.0	-8.1	30.0	2.0	Pass	
1649.4	49.7	48.2	6.0	-37.53	-13.0	-24.5	90.0	1.0	Pass	
2474.1	45.8	46.3	7.6	-39.33	-13.0	-26.3			Pass	NF
3298.8	47.8	47.2	10.1	-35.33	-13.0	-22.3			Pass	NF
4123.5	46.7	46.7	12.6	-33.93	-13.0	-20.9			Pass	NF
4948.2	44.6	44.5	12.6	-36.03	-13.0	-23.0			Pass	NF
5772.9	43.9	42.7	14.0	-35.33	-13.0	-22.3			Pass	NF
6597.6	46.3	45.7	16.0	-30.93	-13.0	-17.9			Pass	NF
7422.3	45.8	46.1	18.5	-28.63	-13.0	-15.6			Pass	NF
8247.0	44.8	43.8	22.2	-26.2	-13.0	-13.2			Pass	NF
836.49	88.9	85.5	27.8	23.5	33.0	-9.5	30.0	2.0	Pass	
1672.98	47.9	48.1	6.0	-39.1	-13.0	-26.1	100.0	1.0	Pass	
2509.47	44.9	45.5	7.9	-39.8	-13.0	-26.8			Pass	NF
3345.96	46.8	46.2	10.1	-36.3	-13.0	-23.3			Pass	NF
4182.45	45.8	44.7	12.6	-34.8	-13.0	-21.8			Pass	NF
5018.94	43.5	43.8	13.8	-35.6	-13.0	-22.6			Pass	NF
5855.43	45.8	45.1	14.0	-33.4	-13.0	-20.4			Pass	NF
6691.92	46.8	45.7	16.0	-30.4	-13.0	-17.4			Pass	NF
7528.41	45.7	44.4	18.7	-28.8	-13.0	-15.8			Pass	NF
8364.90	45.2	44.8	22.2	-25.8	-13.0	-12.8			Pass	NF
848.31	90.2	81.9	27.8	24.8	33.0	-8.2	30.0	1.8	Pass	
1696.62	50.1	49.7	6.0	-37.1	-13.0	-24.1	100.0	1.0	Pass	
2544.93	45.8	44.7	7.9	-39.5	-13.0	-26.5			Pass	NF
3393.24	46.3	45.1	10.1	-36.8	-13.0	-23.8			Pass	NF
4241.55	45.2	43.9	12.6	-35.4	-13.0	-22.4			Pass	NF
5089.86	43.8	44.1	13.8	-35.3	-13.0	-22.3			Pass	NF
5938.17	45.0	45.9	14.0	-33.3	-13.0	-20.3			Pass	NF
6786.48	46.2	44.3	16.0	-31.0	-13.0	-18.0			Pass	NF
7634.79	44.7	45.7	18.7	-28.8	-13.0	-15.8			Pass	NF
8483.10	44.8	44.7	22.2	-26.2	-13.0	-13.2			Pass	NF



NEMKO USA, Inc.

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Radiated Emissions Data

Complete	<u>YES</u>	Job # :	<u>24-071-KYO-R</u>	Test # :	<u>1</u>
Preliminary	_____	Page	<u>1</u>	of	<u>1</u>
Client Name :	<u>KYOCERA WIRELESS Corp.</u>				
EUT Name :	<u>M200 MODULE</u>				
EUT Model # :	<u>M200 with SMM-UCE-3A2C</u>				
EUT Serial # :	_____				
EUT Config. :	<u>Transmit FM</u>				
Specification :	<u>FCC Part 22</u>				
Rod. Ant. # :	<u>NA</u>	Temp. (C) :	<u>30</u>	Date :	<u>9/10/2004</u>
Bicon Ant. # :	<u>NA</u>	Humidity (%) :	<u>45</u>	Time :	_____
Log Ant. # :	<u>112</u>	EUT Voltage :	<u>4.2 V</u>	Staff :	<u>A. LAUDANI</u>
DRG Ant. # :	<u>752</u>	EUT Frequency :	<u>dc</u>	Photo ID :	_____
Dipole Ant. # :	<u>NA</u>	Phase :	<u>-</u>	Peak Bandwidth:	<u>1 MHz</u>
Cable# :	<u>NOATS</u>	Location :	<u>NOATS</u>	Video Bandwidth	<u>1 MHz</u>
Preamp# :	<u>317</u>	Distance (meters):	<u>3</u>	Fund. RBW	<u>100 kHz</u>
Spec An. # :	<u>537</u>	900 MHz high pass filter		NF = Noise Floor	

Meas. Freq. (MHz)	Vertical (dBuV) pk	Horizontal (dBuV) pk	CF (db)	Max Level (dBm) pk	Spec. Limit (dBm) pk	Margin dB pk	EUT Rotation	Ant. Height	Pass Fail Unc.	Comment
824.04	93.2	86.8	27.6	25.57	33.0	-7.4	90.0	1.2	Pass	
1648.08	47.6	49.9	6.0	-39.33	-13.0	-26.3	100.0	1.0	Pass	
2472.12	47.8	46.9	7.6	-39.83	-13.0	-26.8	120.0	1.0	Pass	
3296.16	48.8	46.2	10.1	-36.33	-13.0	-23.3	120.0	1.0	Pass	
4120.2	46.3	45.5	12.6	-36.33	-13.0	-23.3	120.0	1.0	Pass	NF
4944.24	43.6	44.1	12.6	-38.53	-13.0	-25.5			Pass	NF
5768.28	46.1	41.1	14.0	-35.13	-13.0	-22.1			Pass	NF
6592.32	45.2	44.9	16.0	-34.03	-13.0	-21.0			Pass	NF
7416.36	43.1	44.8	18.5	-31.93	-13.0	-18.9			Pass	NF
8240.4	45.5	44.4	22.2	-27.5	-13.0	-14.5			Pass	NF
836.49	93.5	90.9	27.8	26.1	33.0	-6.9	120.0	1.8	Pass	
1672.98	47.4	56.1	6.0	-33.1	-13.0	-20.1	100.0	1.0	Pass	
2509.47	47.4	49.7	7.9	-37.6	-13.0	-24.6	120.0	1.0	Pass	
3345.96	48.6	48.3	10.1	-36.5	-13.0	-23.5	120.0	1.0	Pass	
4182.45	48.4	45.8	12.6	-34.2	-13.0	-21.2	120.0	1.0	Pass	
5018.94	43.1	43.2	13.8	-38.2	-13.0	-25.2			Pass	NF
5855.43	45.8	44.5	14.0	-35.4	-13.0	-22.4			Pass	NF
6691.92	44.5	45.0	16.0	-34.2	-13.0	-21.2			Pass	NF
7528.41	44.3	45.1	18.7	-31.4	-13.0	-18.4			Pass	NF
8364.90	45.8	45.2	22.2	-27.2	-13.0	-14.2			Pass	NF
848.97	92.1	90.6	27.8	24.7	33.0	-8.3	120.0	1.8	Pass	
1697.94	50.8	51.9	6.0	-37.3	-13.0	-24.3	100.0	1.0	Pass	
2546.91	47.8	47.2	7.9	-39.5	-13.0	-26.5	120.0	1.0	Pass	
3395.88	48.6	49.0	10.1	-36.1	-13.0	-23.1	120.0	1.0	Pass	
4244.85	49.1	46.2	12.6	-33.5	-13.0	-20.5	120.0	1.0	Pass	
5093.82	45.4	43.3	13.8	-36.0	-13.0	-23.0			Pass	NF
5942.79	45.8	45.8	14.0	-35.4	-13.0	-22.4			Pass	NF
6791.76	44.9	44.4	16.0	-34.3	-13.0	-21.3			Pass	NF
7640.73	46.0	45.1	18.7	-30.5	-13.0	-17.5			Pass	NF
8489.70	44.7	43.7	22.2	-28.3	-13.0	-15.3			Pass	NF



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Radiated Emissions Data

Complete YES
Preliminary

Job #: 24-071-KYO-R Test #: 1
Page 1 of 1

Client Name : KYOCERA WIRELESS Corp.

EUT Name : M200 MODULE

EUT Model #: M200 with MM3-900/1900

EUT Serial # :

EUT Config. :	Transmit CDMA
---------------	---------------

Specification :

Specification :	100 Part 22
Rod Ant #:	NA

Red: Ant #:	NA
Bicon Ant #:	NA

Log Ant. #:	112
-------------	-----

DRG Ant. # 752

Dipole Ant.#: NA

Cable#: NOATS

Preamp#: 317

Spec An.#: 537

Temp. (C): 24

Humidity (%): 65

Humidity (%) :	33
FUT Voltage :	<u>4.2 V</u>

EUT Frequency : dc

Phase: -

Location: NOATS

Distance (meters): 3

900 MHz high pass filter

Reference :

Date : 9/13/2004

Time : _____

Staff : A. LAUDA

Photo ID: _____

bandwidth: 1 MHz

Peak Bandwidth: 1 MHz

Parameter	Value
Video Bandwidth	1 MHz

Fund. RBW 100 kHz

NF = Nois

NF = Noise Floor

[illegible]



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Radiated Emissions Data

Complete	<u>YES</u>
Preliminary	<u> </u>

Job #: 24-071-KYO-R Test #: 1
Page 1 of 1

Client Name : KYOCERA WIRELESS Corp.

EUT Name : M200 MODULE

EUT Model # : M200 with MM3-U15-1A-2C

EUT Serial # :

EUT Config. :	Transmit CDMA
---------------	---------------

Specification : FCC Part 22

Specification:	FCF
Rod. Ant. #:	NA

Rod. Ant. #:	NA
Bicon Ant. #:	NA

Bicoll Ant.#:	NA
Log Ant.#:	112

Log Ant.#.	112
DRG Ant. #	<u>752</u>

DRG Ant. #	752
Dipole Ant. #:	NA

Dipole Ant.#.	NA
Cable#:	NOATS

Cable#:	NOATS
Preamp#:	317

Preampl#:	317
Spec An. #:	537

Temp. (C): 20

Humidity (%) :	74
----------------	----

Humidity (%) :	75 %
EUT Voltage :	4.2 V

EUT Voltage :	115 V
EUT Frequency :	dc

Phase:	-
--------	---

Location: NOATS

Distance (meters): $\frac{100}{3}$

900 MHz high pass filter

Reference :

Date : 9/14/2004

Time : _____

Staff : A. LAUDANI

Photo ID: _____

bandwidth: 1 MHz

Peak Bandwidth	1 MHz
Video Bandwidth	1 MHz

Fund. RBW 30 kHz (Video Ave +17 dB)

NF = Noise Floor

NF = Noise Floor

[illegible]

Section 10. Frequency Stability

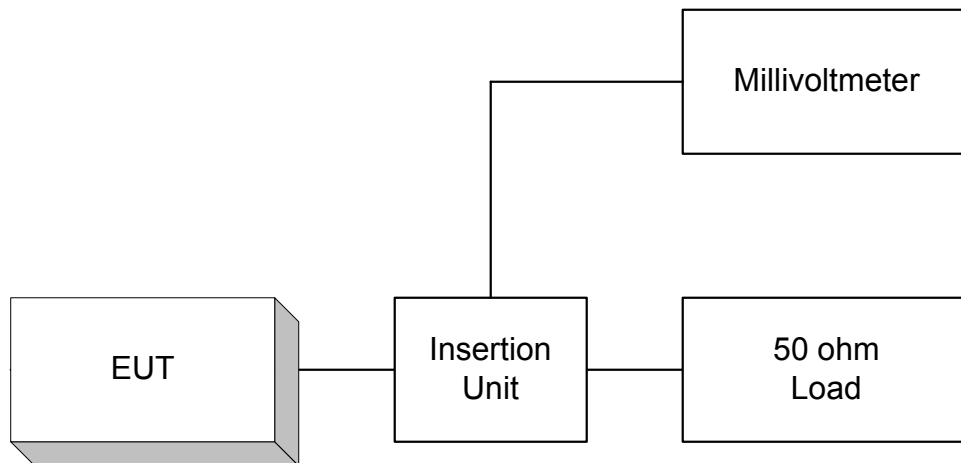
Para. No.: 2.1055

Test Performed By:	Date of Test:
---------------------------	----------------------

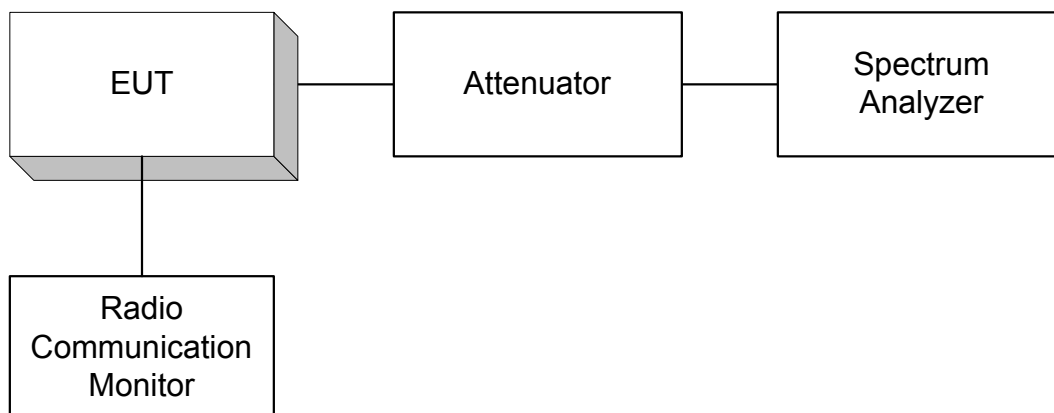
Minimum Standard: Para. No. 22.355.**Test Results:** Not applicable, test to add antenna to grant.**Measurement Data:** Standard Test Frequency: _____ MHz
Standard Test Voltage: _____ Vdc

Section 11. Block Diagrams

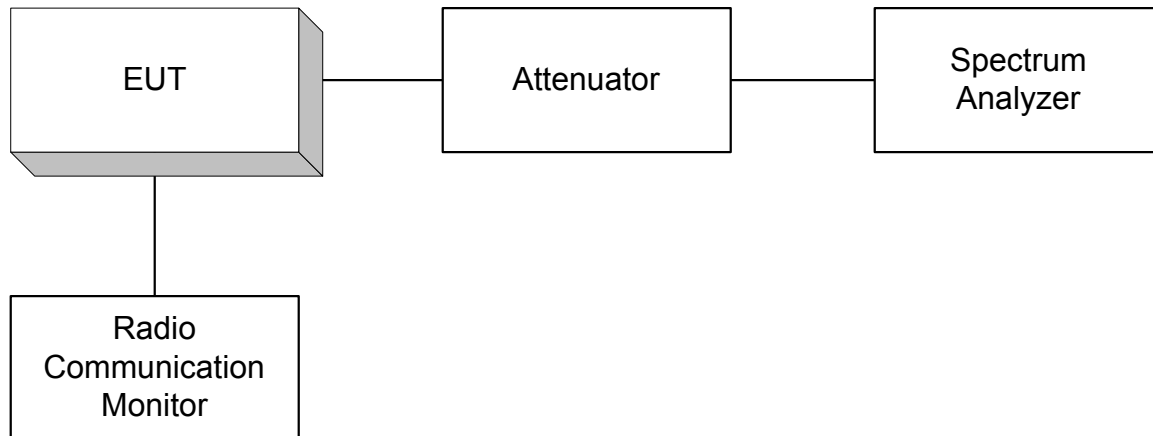
Para. No. 2.1046 - R.F. Power Output



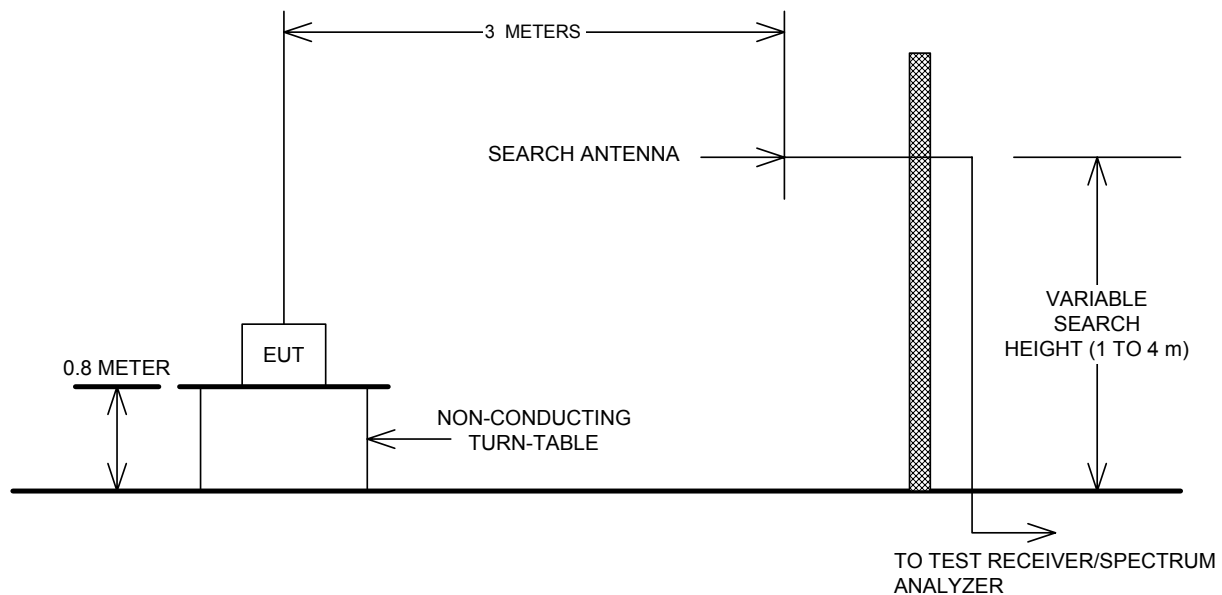
Para. No. 2.1049 - Occupied Bandwidth



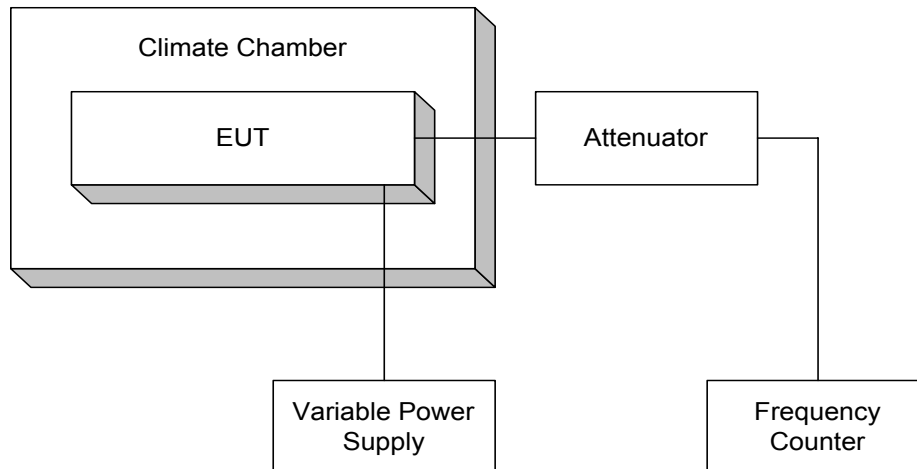
Para. No. 2.1051 Spurious Emissions at Antenna Terminals



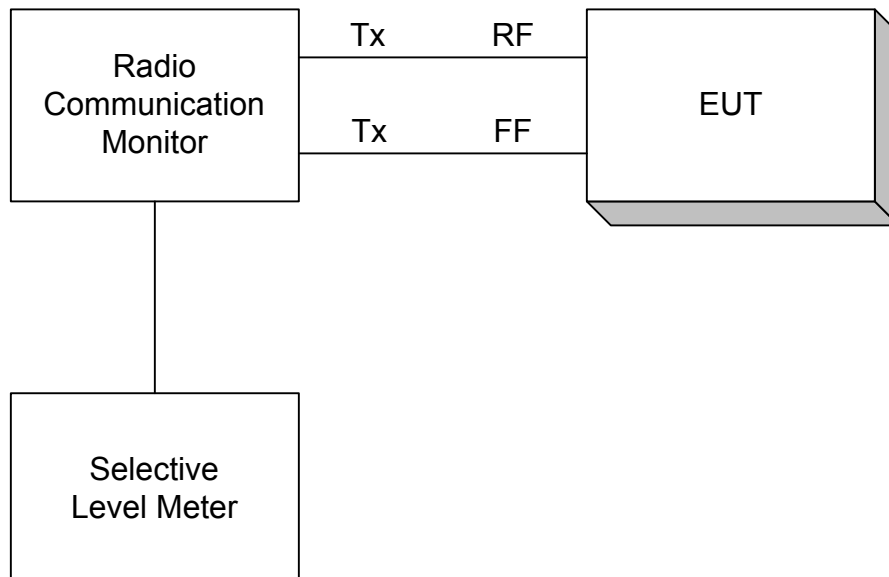
Para. No. 2.1053 - Field Strength of Spurious Radiation



Para. No. 2.1055 - Frequency Stability



Para. No. 2.1045 – Audio Frequency Response, Audio Low Pass Filter Response And Modulation Limiting



Section 12. Test Equipment List

Radiated Emissions Test Equipment					
Client	Kyocera Wireless		EUT Name	AT Road Internet Location Mobile Device	
PAN #	24-071-KYO-R1		EUT Model	iLM2720	
<i>Device Type</i>	<i>Model #</i>	<i>MFG</i>	<i>Asset #</i>	<i>SN</i>	<i>Cal Due</i>
OATS #1 (North)					
Spectrum Analyzer	8566B	HP	357	2517A01757	10/26/04
Antenna, Ridged Guide	3115	EMCO	529	2505	3/30/04
Antenna, Ridged Guide	3116	EMCO	625	9611-2325	1/12/05
Preamplifier	8449A	HP	317	2749A00167	10/16/04
Dipole Set	3121C	EMCO	756	1215	8/27/04
Antenna, LPA	3146	EMCO	112	9101-2988	9/19/04
Antenna, Ridged Guide	3115	EMCO	752	9609-4943	12/19/04
Signal Generator	E8254A	Agilent	836	US41140229	11/6/04

NA: Not Applicable
NCR: No Cal Required
COU: CAL On Use