

Straubing, October 13, 2000

TEST - REPORT

No. 56404-00469-1

for

IMT-87

Cordless Handsfree Transmitter

Applicant: Immortal Tek Enterprise Co. Ltd.

Purpose of testing: To show compliance with

FCC Code of Federal Regulations,
Part 15 Subpart C, Section §15.209

Note:

The test data of this report relate only to the individual item which has been tested. This report shall not be reproduced except in full extent without the written approval of the testing laboratory.

Table of Contents

1. Identification of Test Laboratory	4
2. Summary of Test Results	5
3. Operation Mode of EUT.....	6
4. Configuration of EUT and Peripheral Devices	7
5. Measuring Methods	8
5.1. Minimum 6 dB Bandwidth (§ 15.247.a2)	8
5.2. Maximum Peak Output Power (§ 15.247.b)	9
5.3. Peak power Density (§ 15.247.d)	9
5.4. Conducted Emission 0.45 MHz - 30 MHz (§15.207)	10
5.5. Radiated Emission 30 MHz - 1 GHz (§15.209, §15.247.c, §15.205.a,b)	12
5.6. Radiated Emission 1 GHz - 25 GHz (§15.209, §15.247.c, §15.205.a,b)	14
6. Measuring Methods	16
6.1. Bandwidth of Emission(FCC §15.231.c / RSS-210 Section 6.1.1.c)	16
6.2. Radiated Emission 30 MHz - 1 GHz (FCC §15.205.a,b, §15.209, §15.231.b / RSS-210 Sections 6.1.1.b, 6.3).....	17
6.3. Radiated Emission 1 GHz - 10 GHz (FCC §15.205.a,b, §15.209, §15.231.b / RSS-210 Sections 6.1.1.b, 6.3).....	19
7. Equipment List.....	21
8. Photographs Taken During Testing	23
9. List of Measurements	26
9.1. List of Measurements According To FCC Part 15 Subpart C	27
10. Test Results.....	29

1.

Administrative Data

Equipment Under Test (EUT): IMT-87
Serial number(s): 0001
Type of equipment: Cordless Handsfree Transmitter
Parts/accessories:
FCC-ID: ODZIMT-87

Applicant: Immortal Tek Enterprise Co. Ltd.
(full address) 10F, No. 333, Wen Shing Road, Ku Shan Dist.
Kaoshiung, Taiwan, R.O.C.

Contract identification: ---
Contact person: Mr. Danny Sun
Manufacturer: Immortal Tek Enterprise Co. Ltd.

Receipt of EUT: July 24, 2000
Date of test: Augusst 08, 2000
Note:

Responsible for testing: Johann Roidt
Responsible for test report: Johann Roidt

1. Identification of Test Laboratory

Test Laboratory:
(full address): Senton GmbH EMI/EMC Test Center
Aeussere Fruehlingstrasse 45
D-94315 Straubing
Germany

Contact person: Mr. Johann Roidt
Communication: Telephone (+49) 0 94 21 / 55 22-0
Fax (+49) 0 94 21 / 55 22-99
eMail: Office@senton.de

FCC registration number: 90926
Industry Canada file number: IC 3050

2. Summary of Test Results

The tested sample complies with the requirements set forth in the

**Code of Regulations Part 15 Subpart C, Section §15.209 of the
Federal Communication Commission (FCC).**



Johann Roidt
Technical Manager

3. Operation Mode of EUT

Continous transmit, without modulation

4. Configuration of EUT and Peripheral Devices

Configuration of cables of EUT

Not applicable

Configuration of peripheral devices connected to EUT

Not applicable

5. Measuring Methods

5.1. Minimum 6 dB Bandwidth (§ 15.247.a2)

The minimum 6 dB bandwidth was measured with a spectrum analyzer connected to the antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

The spectrum analyzer was set to:

RBW = 100 kHz, VBW = 100 kHz, span = 50 MHz, sweep = 20 ms

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):

02, 18, 57, 67, 68

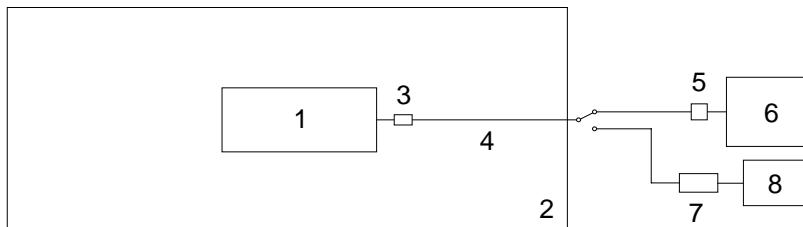


Figure 1: Measurement setup for testing on antenna connector

1	Transmitter (EUT)	3	DC-block
2	Wooden table	4	Test cable
		5	Attenuator
		6	Spectrum analyzer
		7	Power sensor
		8	Power meter

5.2. Maximum Peak Output Power (§ 15.247.b)

The maximum peak output power was measured with a power meter connected to the antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

A spectrum analyzer (set to RBW = 100 kHz, VBW = 100 kHz, span = 100 MHz, sweep = 40 ms) was used to record the shape of the transmit signal.

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
02, 08, 09, 18, 67, 68

5.3. Peak power Density (§ 15.247.d)

The peak power density was measured with a spectrum analyzer connected to the antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate center frequency.

The spectrum analyzer was set to max hold with
RBW = 3 kHz, VBW = 100 kHz, span = 300 kHz, sweep = 100 s
See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
02, 18, 57, 67, 68

5.4. Conducted Emission 0.45 MHz - 30 MHz (§15.207)

Conducted emissions were measured in the frequency range 0.45 MHz to 30 MHz. The bandwidth of the EMI-Receiver was set to 9 kHz and the detector-function was set to CISPR quasi-peak.

The test setup was made in accordance with ANSI C63.4-1992.

Measurements were performed on phase and neutral lines of the power-cords of the tested system. Preliminary scans were taken with the detector-function of the EMI-receiver set to peak to determine the conducted EMI-profile of the EUT. At the final test the cables and equipment were placed and moved within the range of positions likely to find their maximum emissions.

See figure 2 for the measurement setup.

Test equipment used (see equipment list for details):
04, 22, 23, 60, 63

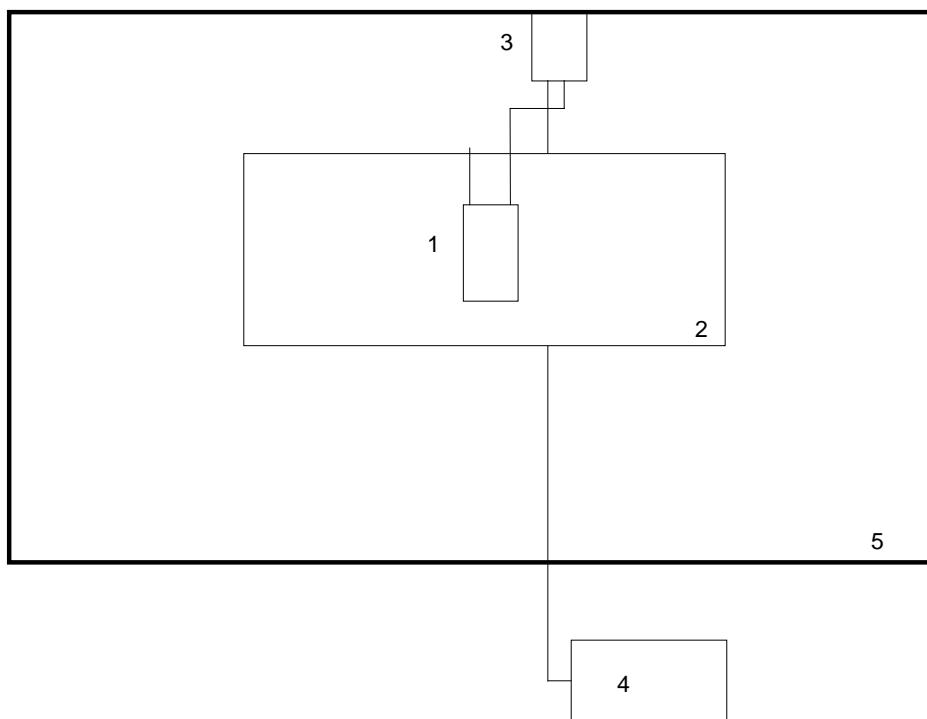


Figure 2: Measurement setup for conducted emission test

1	Computer (EUT)	14	LISN for EUT
2	RF-modem	15	LISN for monitor
3	Keyboard	16	LISN for printer
4	Mouse	17	Test receiver
5	Monitor	18	Shielded room
6	FireWire Hard Drives		
7	Printer		
8	Microphone		
9	Headphone		
10	Headphone		
11	Headphone		
12	Telephone line		
13	Wooden table		

5.5. Radiated Emission 30 MHz - 1 GHz (§15.209, §15.247.c, §15.205.a,b)

Radiated emissions were measured over the frequency range from 30 MHz to 1 GHz. The bandwidth of the EMI-receiver was set to 120 kHz and the detector-function was set to CISPR quasi-peak.

The test setup was made in accordance with ANSI C63.4-1992. Measurements were made in both the horizontal and vertical planes of polarization. Preliminary scans were taken in a semi-anechoic room using a spectrum analyzer with the detector function set to peak. All tests were performed at a test-distance of 3 meters. For final testing an open-area test-site was used. During the tests the EUT was rotated all around and the receiving-antenna was raised and lowered from 1 meter to 4 meters to find the maximum levels of emissions. The cables and equipment were placed and moved within the range of position likely to find their maximum emissions.

See figure 3 for the measurement setup.

Test equipment used (see equipment list for details):
01, 06, 12, 38, 39, 40, 41, 58, 61, 64, 66

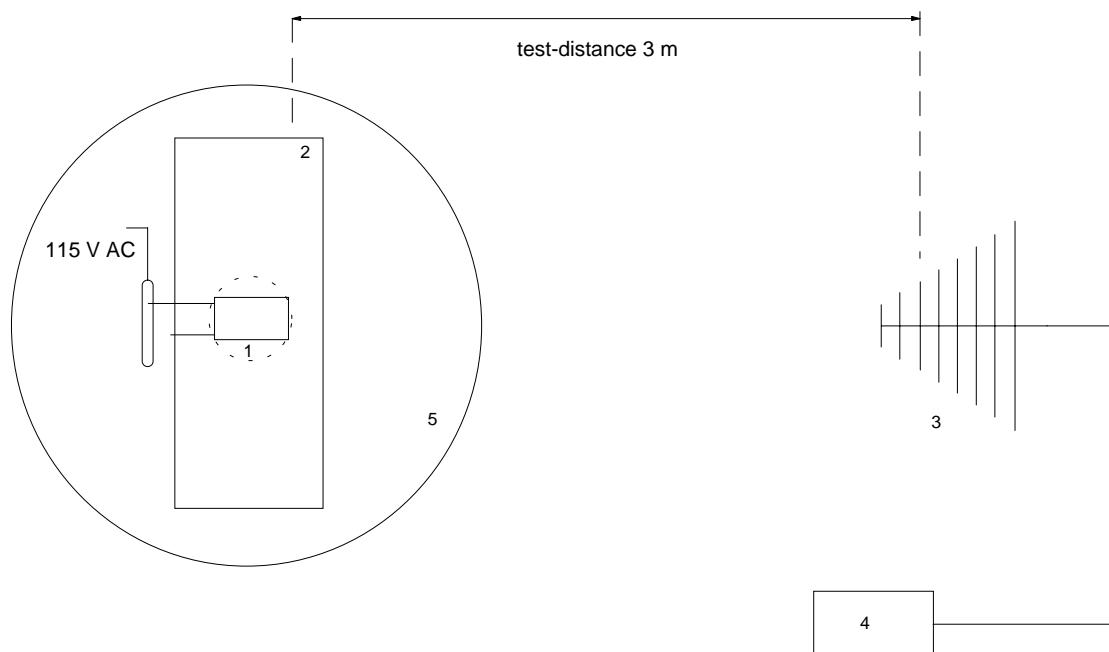


Figure 3: Measurement setup for radiated emission test below 1 GHz

1	Computer (EUT)	14	Measurement antenna
2	RF-modem	15	Test receiver
3	Keyboard	16	Turn table
4	Mouse		
5	Monitor		
6	FireWire Hard Drives		
7	Printer		
8	Microphone		
9	Headphone		
10	Headphone		
11	Headphone		
12	Telephone line		
13	Wooden table		

5.6. Radiated Emission 1 GHz - 25 GHz (§15.209, §15.247.c, §15.205.a,b)

Radiated emissions were measured in the frequency range 1 GHz to 25 GHz in transmit mode and 1 GHz to 12.5 GHz in receive mode. The resolution bandwidth of the spectrum analyzer was set to 1 MHz. Scans for the whole frequency range were taken with video bandwidth set to 1 MHz to check out the highest peak levels. In case of less margin to average limit additional prescans were made with video bandwidth reduced from 1 MHz to 100 kHz, 30 kHz or 10 kHz. Final measurements were performed at the critical frequencies with video bandwidth of the spectrum analyzer set to 100 Hz (average mode). EUT was rotated all around and receiving antenna was raised and lowered to find the maximum levels of emission. Cables and equipment were placed and moved within the range of position likely to find their maximum emissions.

All tests were performed in a semi-anechoic chamber with a test-distance of 3 meters (except for the frequency range 18 GHz - 25 GHz where test distance was reduced to 0.5 meter).

To avoid overload in transmit mode no preamplifier was used between 1 GHz and 3.95 GHz. Above 3.95 GHz tests were performed with appropriate preamplifiers (attenuation of operating frequency by horn antenna is sufficient to avoid overload of preamplifier).

For receive mode appropriate preamplifiers were used for the whole frequency range. To eliminate variations in amplification of the preamplifiers a signal generator was used for substitution (however, during testing a correction according to the minimum amplification was added).

Substitution was performed in the following steps:

- antenna cable was disconnected from receiving antenna and connected to signal generator output
- level of signal generator was increased until the reading value of the analyzer was the same as caused by EUT
- level of signal generator was noted
- final value was calculated by converting the signal generator level to $\text{dB}\mu\text{V/m}$ and adding the antenna correction factor.

See figure 4 for the measurement setup.

Test equipment used (see equipment list for details):
02, 13, 14, 16, 42, 43, 44, 45, 46, 47, 48, 49, 57, 64

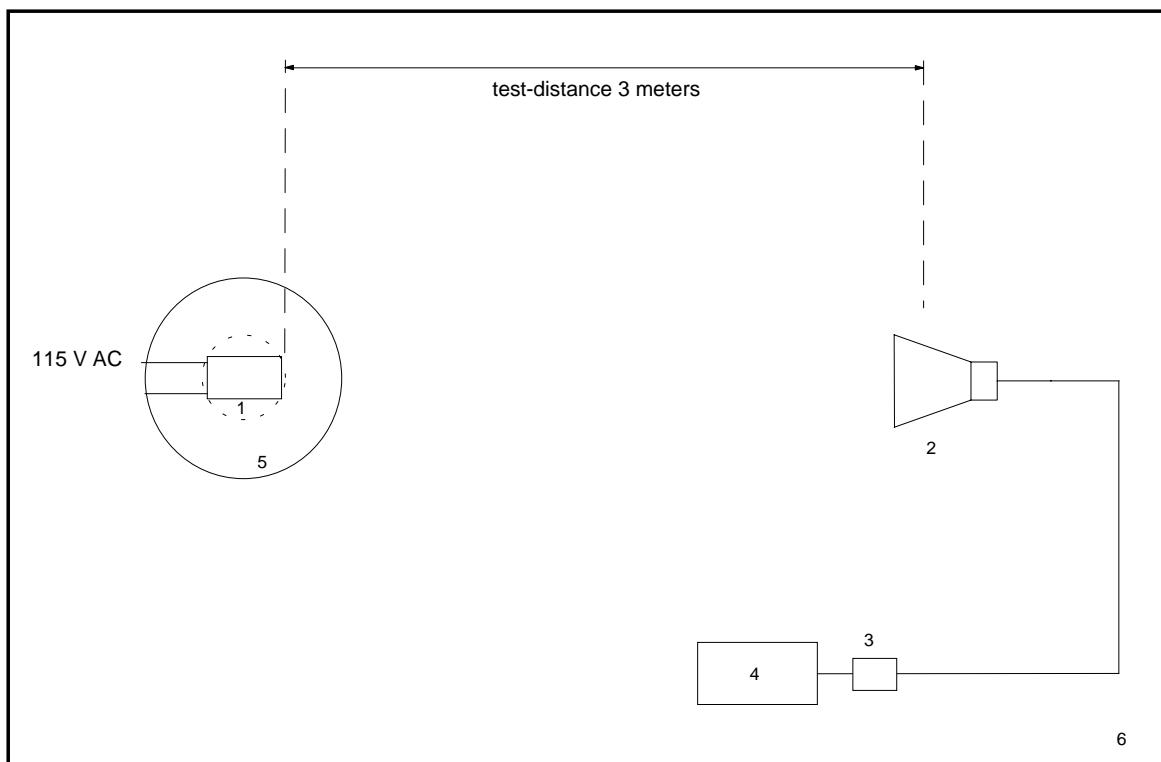


Figure 4: Measurement setup for radiated emission test above 1 GHz

1	Computer (EUT)	5	Measurement antenna
2	RF-modem	6	Preamplifier (if applicable)
3	Keyboard	7	Spectrum analyzer
4	Mouse	8	Signal generator
		9	Turn table
		10	Semi-anechoic room

6. Measuring Methods

6.1. Bandwidth of Emission(FCC §15.231.c / RSS-210 Section 6.1.1.c)

The Bandwidth of Emission is measured with a spectrum analyzer connected to measuring antenna (radiated measurement) or test fixture while EUT is operating in transmit mode with modulation at the appropriate center frequency. To increase received signal level distance to EUT is reduced (appropriate level offset is included).

The spectrum analyzer was set to:

RBW = 10 kHz, VBW = 10 kHz, span = 1 MHz, sweep = 40 ms

See figure 1 for the measurement setup.

Test equipment used (see equipment list for details):
02, 55, 67

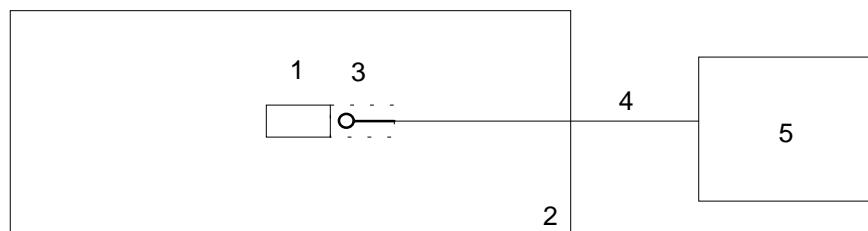


Figure 1: Measurement setup for bandwidth of emission test

1	Transmitter (EUT)	3	Test fixture
2	Wooden table	4	Test cable
		5	Spectrum analyzer

6.2. Radiated Emission 30 MHz - 1 GHz (FCC §15.205.a,b, §15.209, §15.231.b / RSS-210 Sections 6.1.1.b, 6.3)

Radiated emissions are measured over the frequency range from 30 MHz to 1 GHz. The bandwidth of the EMI-receiver is set to 120 kHz and the detector-function is set to CISPR quasi-peak.

The test setup is made in accordance with ANSI C63.4-1992.

Measurements are made in both the horizontal and vertical planes of polarization.

Preliminary scans are taken in a semi-anechoic room using a spectrum analyzer with the detector function set to peak. Hand-held or body-worn devices are rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission relative to the limit and therefore shall be used for final testing.

All tests are performed at a test-distance of 3 meters.

For final testing an open-area test-site is used. During the tests the EUT is rotated all around and the receiving-antenna is raised and lowered from 1 meter to 4 meters to find the maximum levels of emissions. The cables and equipment is placed and moved within the range of position likely to find their maximum emissions.

See figure 2 for the measurement setup.

Test equipment used (see equipment list for details):

01, 02, 05, 12, 38, 39, 40, 41, 58, 61, 64, 66

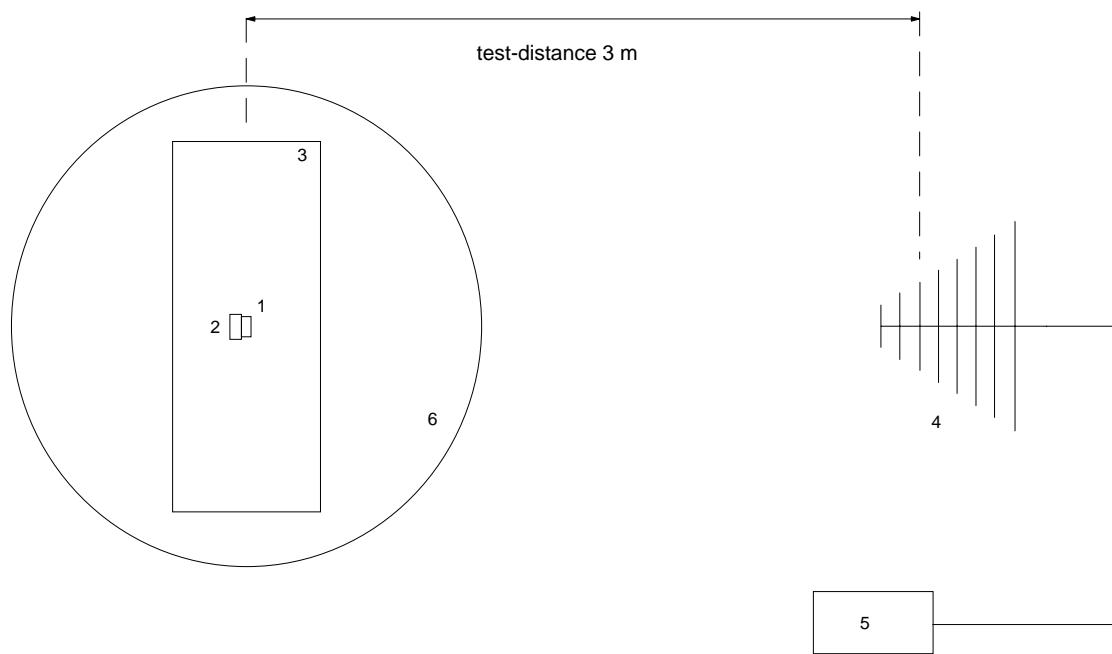


Figure 2: Measurement setup for radiated emission test below 1 GHz

1	Transmitter (EUT)	4	Measurement antenna
2	Wooden pedestal (if necessary)	5	Test receiver
3	Wooden table	6	Turn table

6.3. Radiated Emission 1 GHz - 10 GHz (FCC §15.205.a,b, §15.209, §15.231.b / RSS-210 Sections 6.1.1.b, 6.3)

Radiated emissions are measured in the frequency range 1 GHz to 10 GHz. Resolution and video bandwidth of the spectrum analyzer are set to 1 MHz.

Hand-held or body-worn devices are rotated through three orthogonal axes to determine which attitude and configuration produces the highest emission relative to the limit and therefore shall be used for final testing.

Additional measurements are performed at critical frequencies with reduced span. EUT is rotated all around and receiving antenna is raised and lowered to find the maximum levels of emission. The cables and equipment are placed and moved within the range of position likely to find their maximum emissions.

All tests are performed in a semi-anechoic chamber with a test-distance of 3 meters. If possible preamplifiers are used for the whole frequency range. Special care is taken to avoid overload in transmit mode (using appropriate attenuators if necessary).

See figure 3 for the measurement setup.

Test equipment used (see equipment list for details):
02, 13, 14, 16, ,42, 44, 45, 57, 64

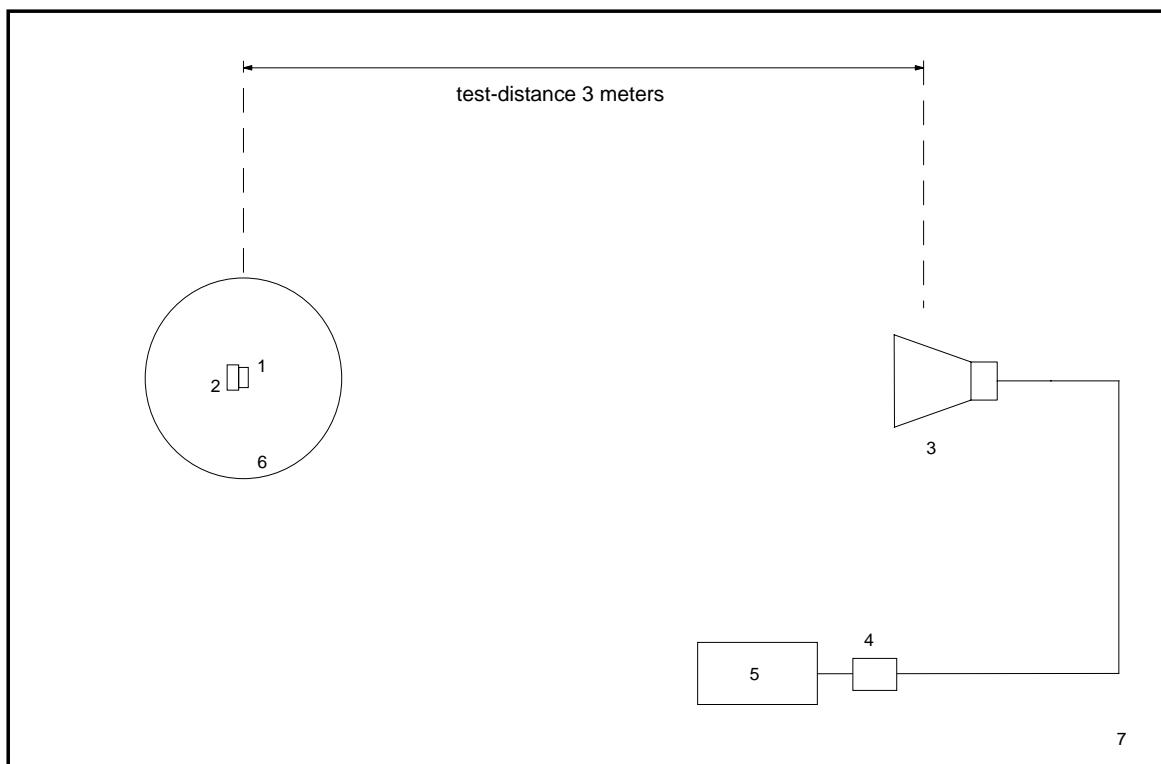


Figure 3: Measurement setup for radiated emission test above 1 GHz

1	Transmitter (EUT)	3	Measurement antenna
2	Wooden pedestal (if necessary)	4	Preamplifier (if applicable)
		5	Spectrum analyzer
		6	Turn table
		7	Semi anechoic room

7. Equipment List

To facilitate reference to test equipment used for related tests, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory.

No.	Type	Model	Serial Number	Manufacturer
01	Spectrum Analyzer	R 3271	05050023	Advantest
02	EMI Test Receiver	ESMI	839379/013 839587/006	Rohde & Schwarz
03	Test Receiver	ESH 3	880112/032	Rohde & Schwarz
04	Test Receiver	ESHS 10	860043/016	Rohde & Schwarz
05	Test Receiver	ESV	881414/009	Rohde & Schwarz
06	Test Receiver	ESVP	881120/024	Rohde & Schwarz
07	Audio Analyzer	UPA	862954	Rohde & Schwarz
08	Power Meter	NRVS	836856/015	Rohde & Schwarz
09	Power Sensor	NRV-Z52	837901/030	Rohde & Schwarz
10	Power Sensor	NRV-Z4	863828/015	Rohde & Schwarz
11	Preamplifier	ESV-Z3	860907/004	Rohde & Schwarz
12	Preamplifier	R14601		Advantest
13	Preamplifier	ACX/080-3030	32640	CTT
14	Preamplifier	ACO/180-3530	32641	CTT
15	Signal Generator	SMS	872166/039	Rohde & Schwarz
16	Signal Generator	HP 8673 D	2930A00966	Hewlett Packard
17	Waveform Generator	HP 33120 A	US34005375	Hewlett Packard
18	Attenuator 20 dB	4776-20	9503	Narda
19	Attenuator 10 dB	4776-10	9412	Narda
20	Pulse Limiter	ESH 3-Z2	1144	Rohde & Schwarz
21	Pulse Limiter	11947 A	3107A00566	Hewlett Packard
22	V-Network	ESH 3-Z5	862770/018	Rohde & Schwarz
23	V-Network	ESH 3-Z5	894785/005	Rohde & Schwarz
24	V-Network	ESH 3-Z5	830952/025	Rohde & Schwarz
25	V-Network	ESH 3-Z6	830722/010	Rohde & Schwarz
26	V-Network	NSLK 8127	8127152	Schwarzbeck
27	V-Network	NNLA 8119	8119148	Schwarzbeck
28	V-Network	SE 01	01	Senton
29	T-Network	ESH 3-Z4	890602/011	Rohde & Schwarz
30	T-Network	ESH 3-Z4	890602/012	Rohde & Schwarz
31	High Impedance Probe	TK 9416	01	Schwarzbeck
32	High Impedance Probe	TK 9416	02	Schwarzbeck
33	Current Probe	ESH 2-Z1	863366/18	Rohde & Schwarz
34	Current Probe	ESV-Z1	862553/3	Rohde & Schwarz

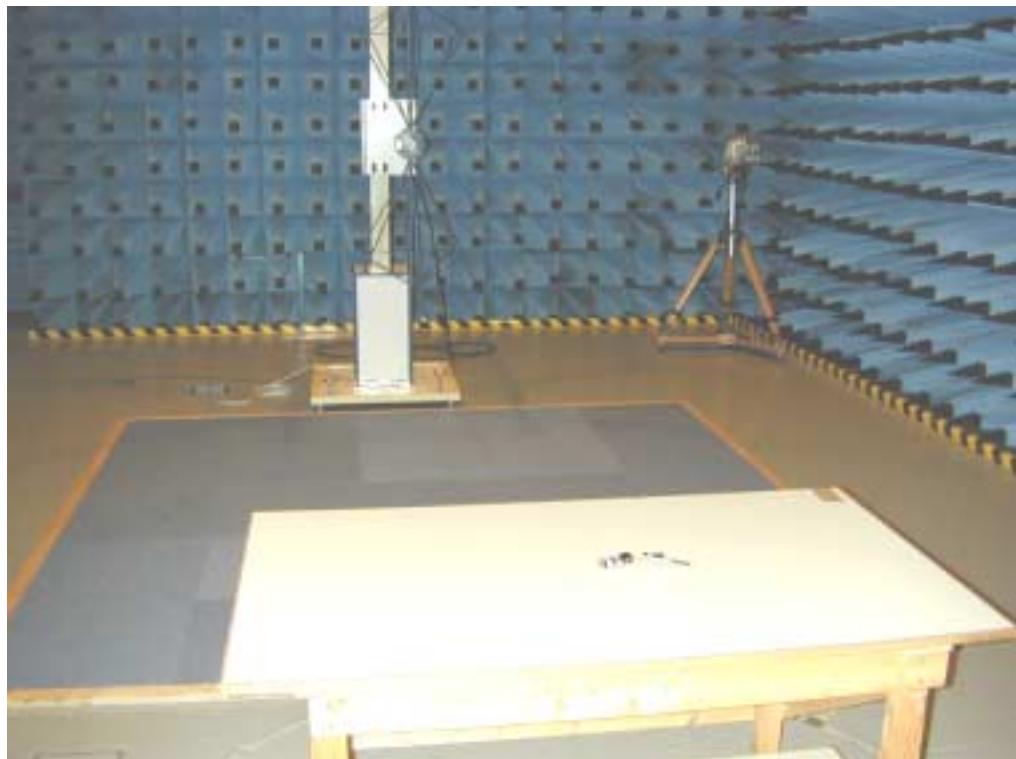
No.	Type	Model	Serial Number	Manufacturer
35	Absorbing Clamp	MDS 21	80911	Lüthi
36	Absorbing Clamp	MDS 21	79690	Lüthi
37	Loop Antenna	HFH2-Z2	882964/1	Rohde & Schwarz
38	Biconical Antenna	HK 116	842204/001	Rohde & Schwarz
39	Biconical Antenna	HK 116	836239/02	Rohde & Schwarz
40	Log. Periodic Antenna	HL 223	841516/023	Rohde & Schwarz
41	Log. Periodic Antenna	HL 223	834408/12	Rohde & Schwarz
42	Horn Antenna	3115	9508-4553	Emco
43	Horn Antenna	3160-03	9112-1003	Emco
44	Horn Antenna	3160-04	9112-1001	Emco
45	Horn Antenna	3160-05	9112-1001	Emco
46	Horn Antenna	3160-06	9112-1001	Emco
47	Horn Antenna	3160-07	9112-1008	Emco
48	Horn Antenna	3160-08	9112-1002	Emco
49	Horn Antenna	3160-09	9403-1025	Emco
50	Digital multimeter	199	463386	Keithley
51	DC Power Supply	NGSM 32/10	203	Rohde & Schwarz
52	DC Power Supply	NGB	2455	Rohde & Schwarz
53	DC Power Supply	NGA	386	Rohde & Schwarz
54	Temperature Test Chamber	HT4010	07065550	Heraeus
55	Cable	RG214	1309	Senton
56	Cable	200CM_001	1357	Rosenberger
57	Cable	150CM_001	1479	Rosenberger
58	Cable Set EG1	RG214	1189 - 1191	Senton
59	Cable Set Cabine 1	RG214		Senton
60	Cable Set Cabine 2	RG214		Senton
61	Cable Set Cabine 3	RG214		Senton
62	Shielded Room	No. 1	1451	Senton
63	Shielded Room	No. 2	1452	Senton
64	Semi-anechoic Chamber	No. 3	1453	Siemens
65	Shielded Room	No. 4	1454	Euroshield
66	Open Area Test Site	EG 1		Senton
67	Test fixture			Senton

8. Photographs Taken During Testing

Test setup for radiated emission pre-test 30 MHz - 1 GHz
(semi anechoic room)



Test setup for radiated emission final test 30 MHz - 1 GHz
(open area test site)



9. List of Measurements

9.1. List of Measurements According To FCC Part 15 Subpart C

FCC Part 15 Subpart C			
Section(s):	Test	Page(s)	Result
	Transmit mode (TX):		
§15.231.c	Bandwidth of emission		N/A
§15.207	Conducted emission test 450 kHz - 30 MHz		N/A
§15.231.b §15.209 §15.205.a,b	Radiated emission test 9 kHz - 30 MHz	---	N/A
§15.231.b §15.209 §15.205.a,b	Radiated emission test 30 MHz - 1 GHz		Passed
§15.231.b §15.209 §15.205.a,b	Radiated emission test 1 GHz - 5 GHz		N/A
	Receive mode (RX):		
§15.207	Conducted emission test 450 kHz - 30 MHz		N/A
§15.209	Radiated emission test 9 kHz - 30 MHz	---	N/A
§15.209	Radiated emission test 30 MHz - 1 GHz		N/A
§15.209	Radiated emission test 1 GHz - 2.5 GHz		N/A

9.1.1. Referenced Regulations

All tests were performed with reference to the following regulations and standards:

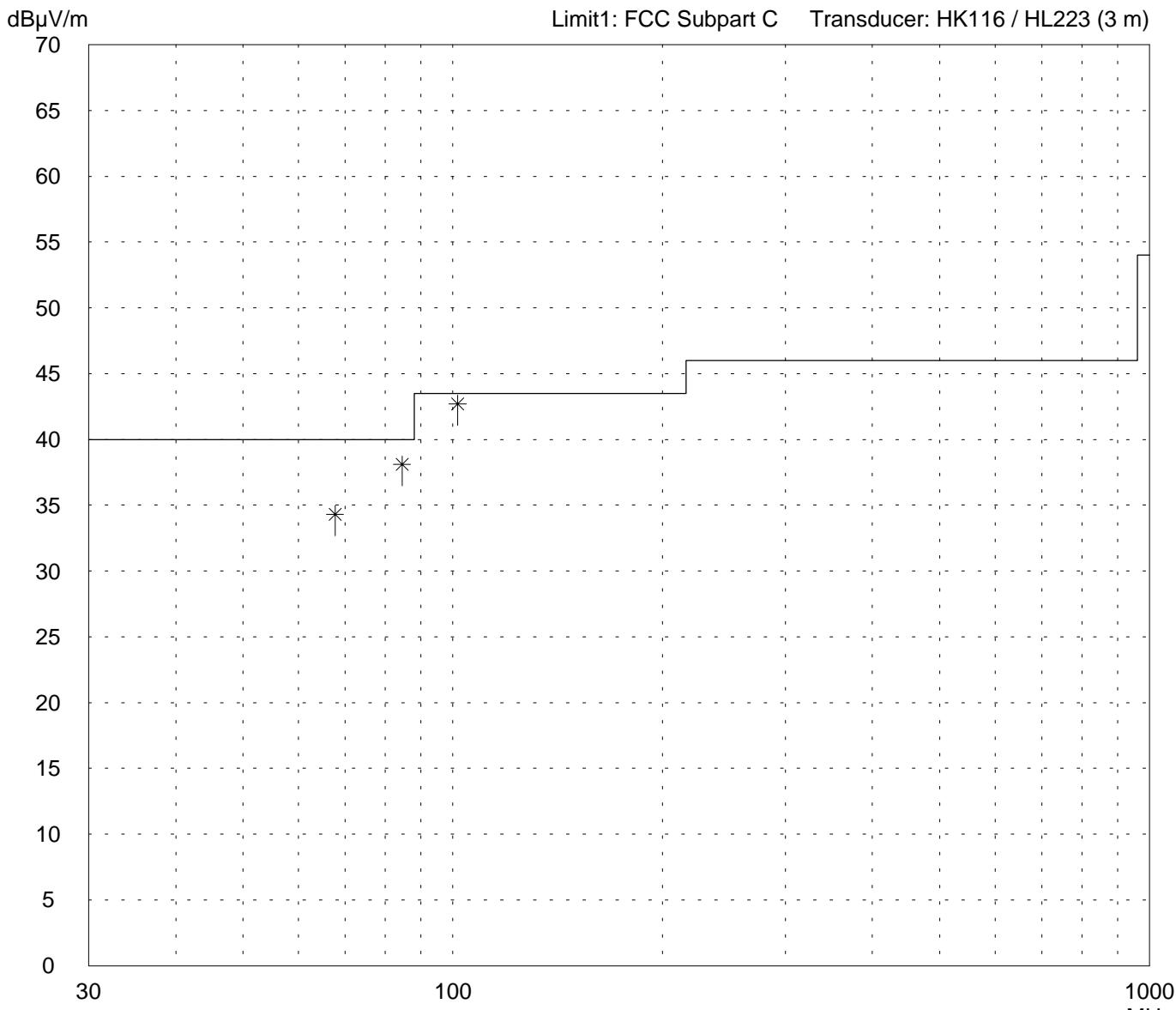
<input checked="" type="checkbox"/>	FCC Part 15 Subpart A	Code of Regulations Part 15 (Radio Frequency Devices), Subpart A (General) of the Federal Communication Commission (FCC)	October 20, 1997
<input checked="" type="checkbox"/>	FCC Part 15 Subpart B	Code of Regulations Part 15 (Radio Frequency Devices), Subpart B (Unintentional Radiators) of the Federal Communication Commission (FCC)	October 20, 1997
<input checked="" type="checkbox"/>	FCC Part 15 Subpart C	Code of Regulations Part 15 (Radio Frequency Devices), Subpart C (Intentional Radiators) of the Federal Communication Commission (FCC)	October 20, 1997
<input checked="" type="checkbox"/>	ANSI C63.4	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz - 40 GHz	October, 1992
<input checked="" type="checkbox"/>	RSS-210	Radio Standards Specification RSS-210 Issue 2 for Low Power Licence-Exempt Radiocommunication Devices of Industry Canada	February 24, 1996

10. Test Results

Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: IMT-87 TX	
Serial no.: 0001	
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:

Mode: EUT Flat on Table
Fundamental frequency = 101.6 MHz
List of values: Selected by hand



Result: Limit kept

Project file: 56404-00469
Page of Pages

Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: IMT-87 TX	
Serial no.: 0001	
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:
Detector: Quasi-Peak	

Mode: EUT Flat on Table
Fundamental frequency = 101.6 MHz

List of values: Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
67.7	23.6	10.7	34.3	40.0	
84.5	27.1	11.0	38.1	40.0	
101.6	30.5	12.2	42.7	43.5	

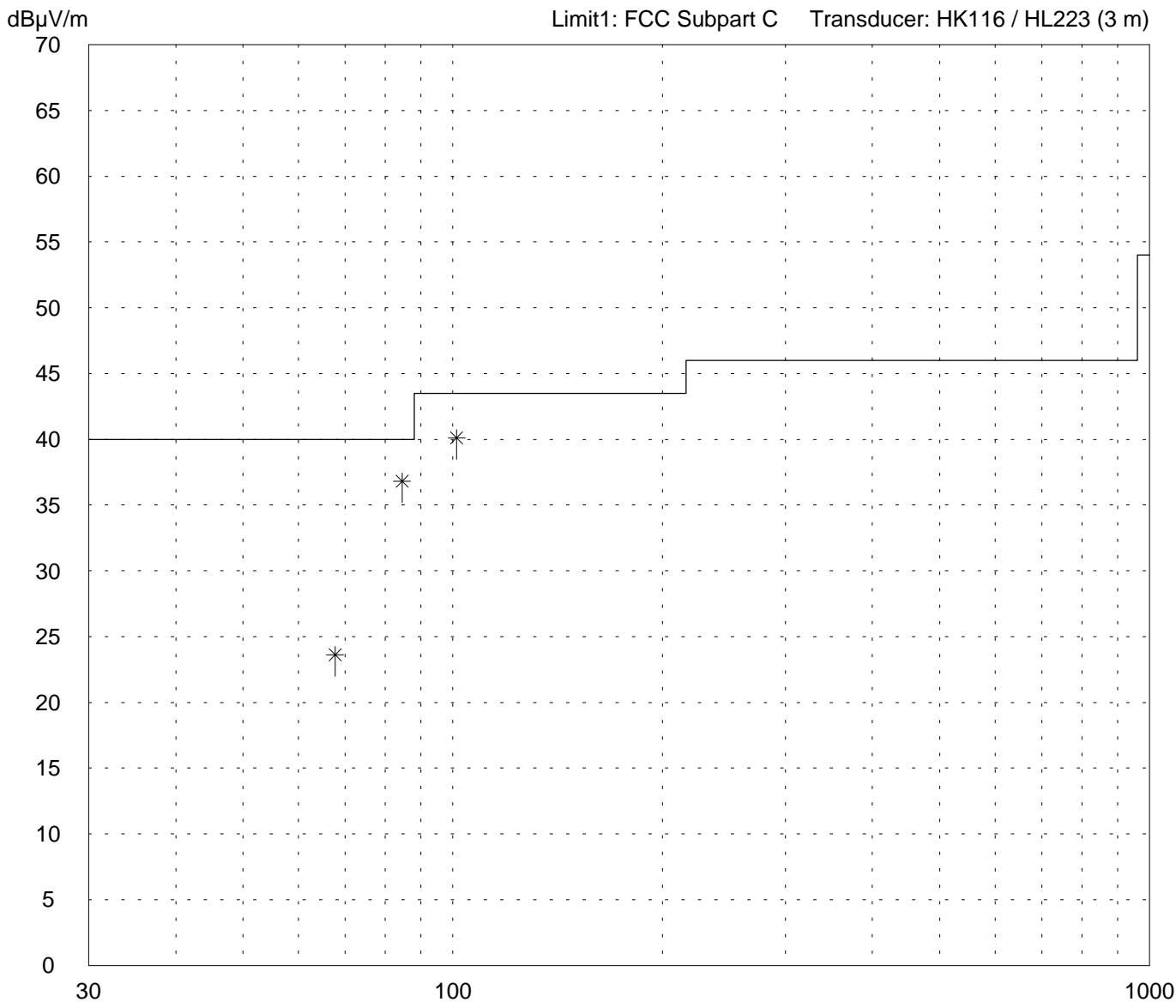
Result: Limit kept

Project file: 56404-00469	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: IMT-87 TX
Serial no.: 0001
Applicant: Immortal- Tek
Test site: Open area test-site I
Tested on: Test distance 3 meters Vertical Polarization
Date of test: Oct 13, 2000
Operator: J. Roidt
Test performed: by hand
File name:

Mode: EUT Flat on Table
Fundamental frequency = 101.6 MHz
List of values: Selected by hand



Result: Limit kept

Project file: 56404-00469
Page of Pages

Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: IMT-87 TX	
Serial no.: 0001	
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:
Detector: Quasi-Peak	

Mode: EUT Flat on Table
Fundamental frequency = 101.6 MHz

List of values: Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
67.7	12.9	10.7	23.6	40.0	
84.5	25.8	11.0	36.8	40.0	
101.3	27.9	12.2	40.1	43.5	

Result: Limit kept

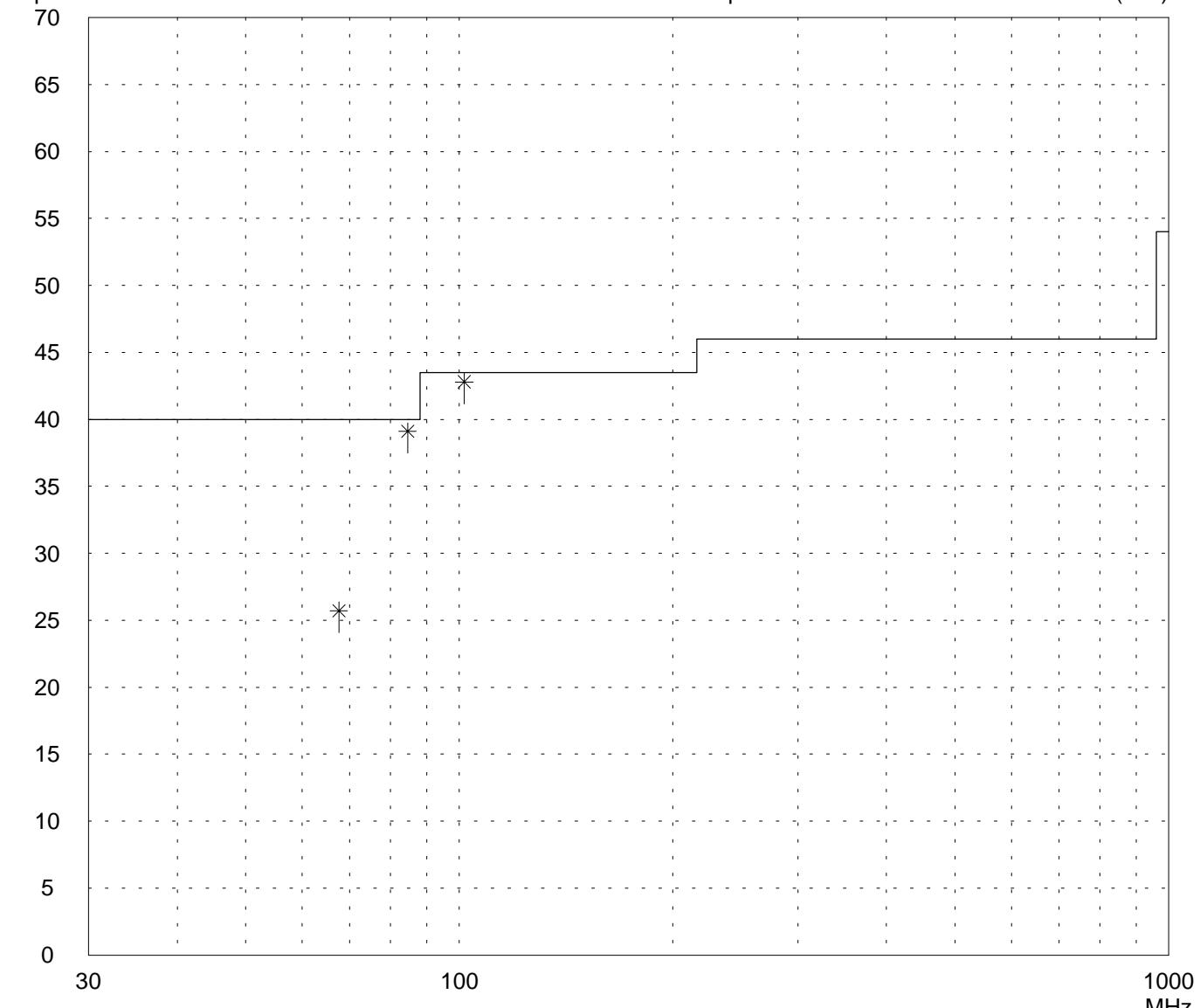
Project file: 56404-00469	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: IMT-87 TX	Mode: EUT flat on long side
Serial no.: 0001	Fundamental frequency = 101.6 MHz
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:
Detector: Quasi-Peak	List of values: Selected by hand

dB μ V/m

Limit1: FCC Subpart C Transducer: HK116 / HL223 (3 m)



Result:
Limit kept

Project file:
56404-00469

Page _____ of _____ Pages

Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: IMT-87 TX	Serial no.: 0001
Applicant: Immortal- Tek	Test site: Open area test-site I
Tested on: Test distance 3 meters Horizontal Polarization	Date of test: Oct 13, 2000 Operator: J. Roidt
Test performed: by hand	File name:

Mode: EUT flat on long side
Fundamental frequency = 101.6 MHz

Detector:
Quasi-Peak

List of values:
Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
67.6	15.0	10.7	25.7	40.0	
84.5	28.1	11.0	39.1	40.0	
101.6	30.6	12.2	42.8	43.5	

Result:
Limit kept

Project file:
56404-00469

Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model:
IMT-87 TX

Serial no.:
0001

Applicant:
Immortal- Tek

Test site:
Open area test-site I

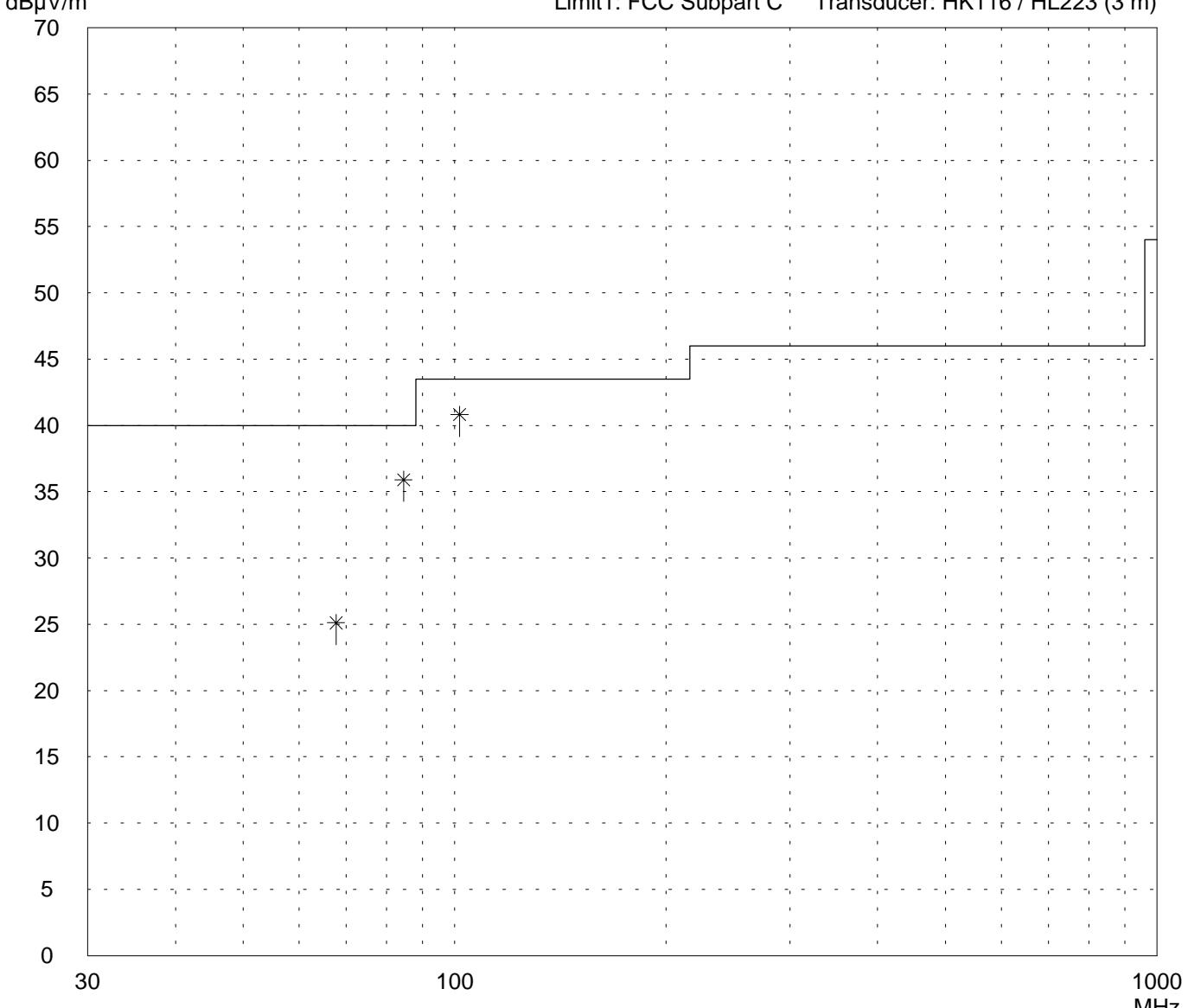
Tested on:
Test distance 3 meters
Vertical Polarization

Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:

Mode:
EUT flat on long side
Fundamental frequency = 101.6 MHz

dBuV/m

Limit1: FCC Subpart C Transducer: HK116 / HI 223 (3 m)



Result:
Limit kept

Project file:
56404-00469

Page of Pages

**Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C**

Model: IMT-87 TX	
Serial no.: 0001	
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:
Detector: Quasi-Peak	

Mode: EUT flat on long side
Fundamental frequency = 101.6 MHz

List of values: Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
67.7	14.4	10.7	25.1	40.0	
84.5	24.9	11.0	35.9	40.0	
101.6	28.6	12.2	40.8	43.5	

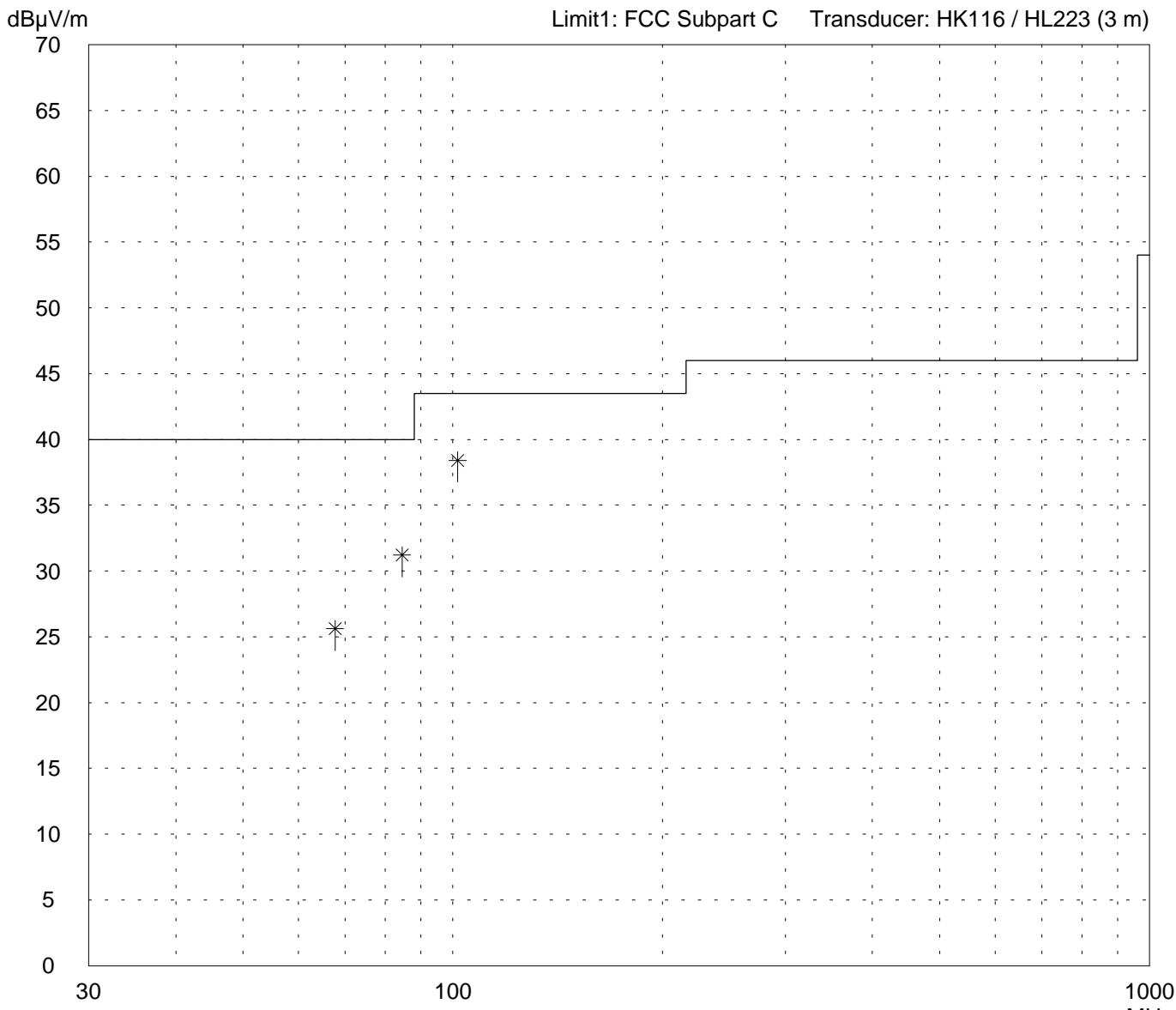
Result: Limit kept

Project file: 56404-00469	Page	of	Pages
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Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: IMT-87 TX	
Serial no.: 0001	
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Horizontal Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:

Mode: EUT upright
Fundamental frequency = 101.6 MHz
List of values: Selected by hand



Result: Limit kept

Project file: 56404-00469
Page of Pages

Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: IMT-87 TX	Serial no.: 0001
Applicant: Immortal- Tek	Test site: Open area test-site I
Tested on: Test distance 3 meters Horizontal Polarization	Date of test: Oct 13, 2000 Operator: J. Roidt
Test performed: by hand	File name:

Mode: EUT upright	Fundamental frequency = 101.6 MHz
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Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
67.7	14.9	10.7	25.6	40.0	
84.5	20.2	11.0	31.2	40.0	
101.6	26.2	12.2	38.4	43.5	

Result: Limit kept

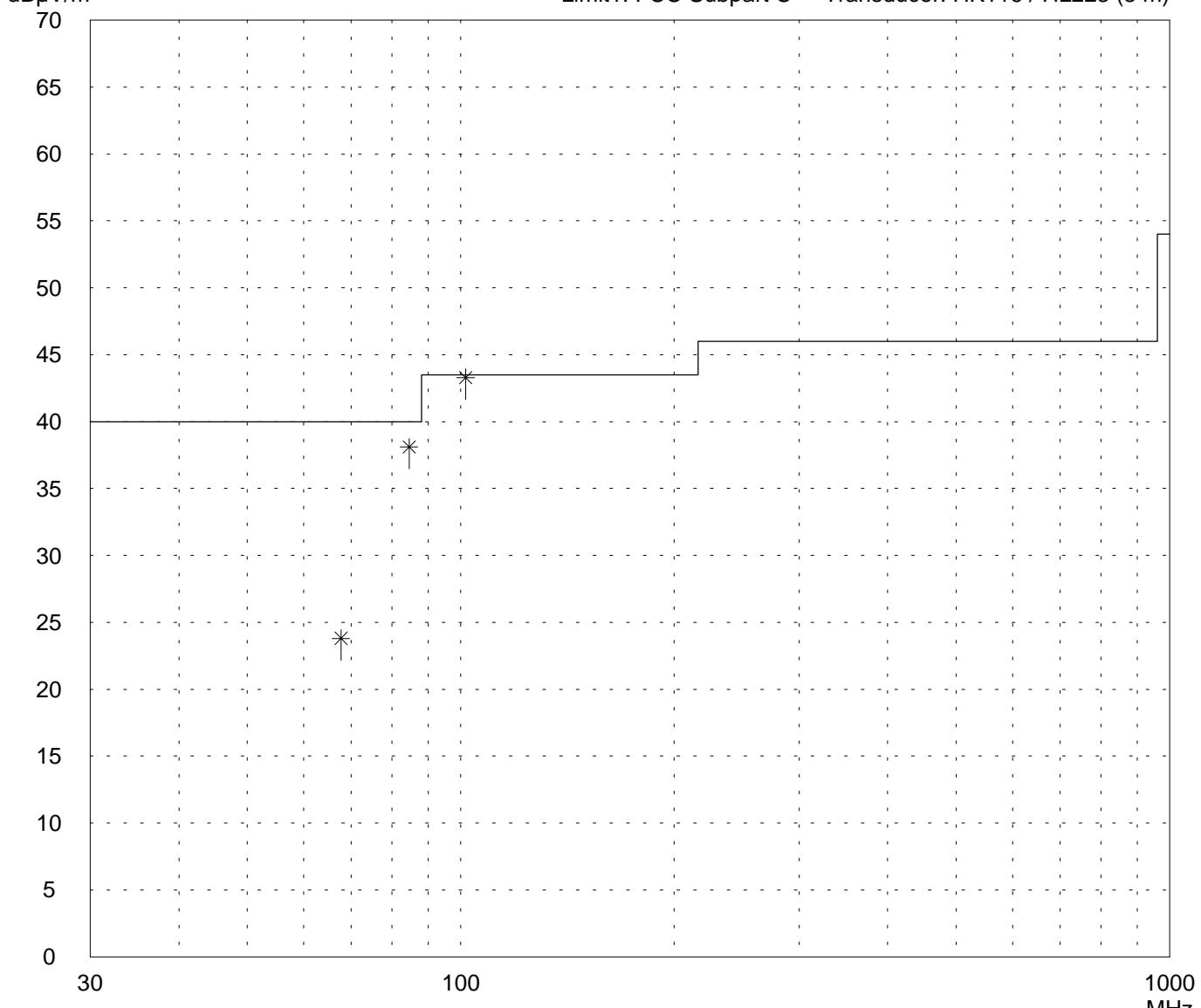
Project file: 56404-00469	Page of Pages
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Radiated Emission Test 30 MHz - 1 GHz according to FCC Part 15 Subpart C

Model: IMT-87 TX	Mode: EUT upright
Serial no.: 0001	Fundamental frequency = 101.6 MHz
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:
Detector: Quasi-Peak	List of values: Selected by hand

dBuV/m

Limit1: FCC Subpart C Transducer: HK116 / HL223 (3 m)



Result:
Limit kept

Project file:
56404-00469

Page of Pages

Radiated Emission Test 30 MHz - 1 GHz
according to FCC Part 15 Subpart C

Model: IMT-87 TX	Mode: EUT upright
Serial no.: 0001	Fundamental frequency = 101.6 MHz
Applicant: Immortal- Tek	
Test site: Open area test-site I	
Tested on: Test distance 3 meters Vertical Polarization	
Date of test: Oct 13, 2000	Operator: J. Roidt
Test performed: by hand	File name:
Detector: Quasi-Peak	

List of values: Selected by hand

Frequency MHz	Reading dB μ V	Correction factor dB	Value dB μ V/m	Limit dB μ V/m	Limit exceeded
67.7	13.1	10.7	23.8	40.0	
84.5	27.1	11.0	38.1	40.0	
101.6	31.1	12.2	43.3	43.5	

Result: Limit kept

Project file: 56404-00469	Page of Pages
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