

REV	Δ	DESCRIPTION	SHEET EFFECTED	DATE	DRAWN	CHECKED
A				30/07/06	D. Lanuel	S. Cohen

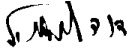
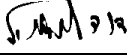

**EMC Laboraory**

**TRXL-720-2**

**Manufactured by  
Elmotech System Ltd.**

**EMC Test Report**

**According to FCC Part 15.231**

	Fonction/Title	Name	Signature	Date
<b>Prepared by:</b>	Test Engineer	D. Lanuel		30/07/06
<b>Checked by:</b>	Test Engineer	D. Lanuel		30/07/06
<b>Approved By:</b>	EMC Lab. Manager	S. Cohen		30/07/06

**TABLE OF CONTENTS**

<b>Para. No.</b>	<b>Title</b>	<b>Page. No.</b>
1.	ADMINISTRATIVE DATA .....	3
2.	GENERAL INFORMATION .....	3
3.	TEST SUMMARY AND SIGNATURES. ....	4
4.	E.U.T INFORMATION .....	5
5.	BANDWIDTH OF THE EMISSION PART 15.231(C) .....	6
6.	FIELD STRENGTH OF FUNDAMENTAL PART 15.231(B).....	8
7.	RADIATED EMISSION PART 15.231(B) & 15.205 .....	11
8.	RADIATED EMISSION PART 15.109- (FOR STBY MODE) .....	16
9.	PLOTS OF TEST RESULTS .....	19

## 1. ADMINISTRATIVE DATA

### 1.1. Scope

This document describes the measurement procedures and tests for Radiated and conducted emission testing of the TRXL-720-2 Manufactured by Elmotech System Ltd..

## 2. GENERAL INFORMATION

### 2.1. Description of equipment Under Test

Equipment Under Test:	TRXL-720-2
FCCID	LSQ- TRXL-720-2
Manufacturer:	Elmotech System Ltd
Serial Numbers:	63553
Mode of Operation:	Transceiver MODE
Receiver operating frequency:	433.92MHZ
Year of Manufacture:	2006

### 2.2. Applicant Information:

Applicant:	Elmotech System Ltd
Applicant Address	2, Habarzel Street Tel-Aviv
Telephone:	+972-3-6478871
FAX:	+972-3-6478872
The testing was observed by:	LEV ROSMAN

### 2.3. Test Performance:

Date of reception for testing:	12.07.06
Dates of testing	13.07.06
Test Laboratory Location	TADIRAN EMC LAB , Hashoftim 26 Holon 58102 ISRAEL Tel: 972-3-5574476 Fax: 972-3-5575320
Applicable EMC Specification:	Federal Communication Commission (FCC),

FCC Part 15: Radio Frequency Devices,  
 Sections 15.109, 15.209 &  
 15.231.15.207

### 3. TEST SUMMARY AND SIGNATURES.

TADIRAN EMC Laboratory has completed testing of E.U.T in accordance with the requirements of the FCC Part 15 Regulations for Class B equipment.

The E.U.T was found to comply with the requirements of the FCC Part 15 Regulations given below

Test	Test Description	Section	PASS/FAIL
1	Bandwidth of the emission	15.231	PASS
2	Field strength of fundamental	15.231	PASS
4	Radiation emission	15.231 & 15.205	PASS
3	Radiation emission	15.109	PASS

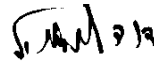
**Test performed by:**

Mr. D. Lanuel Test Engineer



**Test Report prepared by:**

Mr. D. Lanuel Test Engineer



**Test Report Approved by:**

Mr. Samuel Cohen EMC Lab. Manager



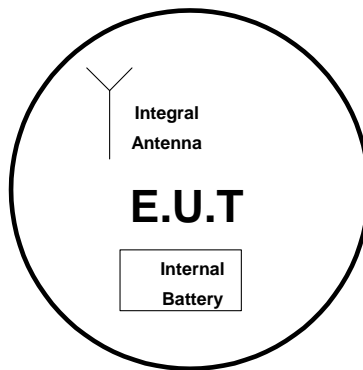
**4. E.U.T INFORMATION**

**4.1. E.U.T description**

The EUT is an Ankle watch which contain an integral transmitter. It is used to monitor offender status within an area covered by a local positioning system. The device in active mode transmits 5msec identification & status signal with interval to be a random time of 18-22sec

**4.2. E.U.T Test Configuration**

E.UT. test configuration is shown in figure bellow



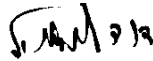
**4.3. E.U.T Mode of Operation description**

433.92MHz Transceiver operated by battery

**5. BANDWIDTH OF THE EMISSION PART 15.231(C)**

E.U.T: TRXL-720-2 S/N 63553  
 Test Method: ANSI 63.4  
 Date: 12/07/06  
 Relative Humidity: 42%  
 Ambient Temperature: 20°C  
 Air Pressure: 1039hpa  
 Test Setup: figure 1 and figure 6

Testing Engineer: D.Lanuel



Date 19/07/06

**5.1. Test Results Summary & Conclusions**

The E.U.T was found in compliance with Bandwidth of The emission fundamental frequency requirement

**5.2. Limits of bandwidth**

The test unit shall meet the limits of Table 1

*Table/ 1 Limits For Bandwidth*

Frequency (MHz)	Bandwidth Max Limits (%)	Bandwidth Max Limits (KHz)
433.92	0.25 of center frequency	1085

**5.3. Test Instrumentation and Equipment**

*Table/ 2 Test Instrumentation and Equipment*

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	8593E	HP	31/01/07
Broadband Antenna	BTA-L	FRANKONIA	10.04.07

**5.4. Results**

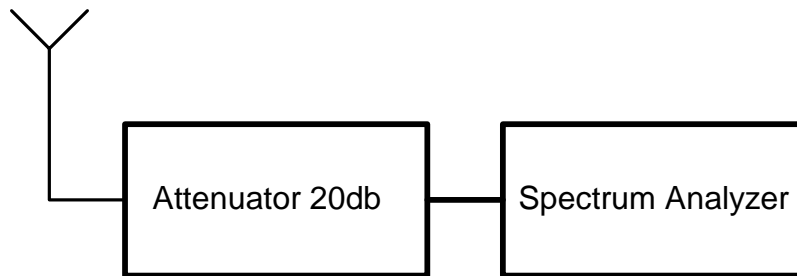
*Table/ 3 Bandwidth Test Result*

Frequency (MHz)	Bandwidth (KHz)	Bandwidth Max Limit (KHz)	Plot No	PASS/FAIL
433.92	132	1085	3	Pass

**5.5. Procedure**

The Bandwidth is determined at the point 20db down from the modulated carrier, while the spectrum analyzer was set to “max hold” and VBW –10KHz.

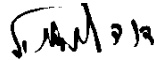
**5.6. Test Setup**



*Figure/ 1 Measurement test setup*

## 6. FIELD STRENGTH OF FUNDAMENTAL PART 15.231(B)

E.U.T: TRXL-720-2 S/N 63553  
 Test Method: ANSI 63.4  
 Date: 12/07/06  
 Relative Humidity: 42%  
 Ambient Temperature: 20C  
 Air Pressure: 1039hpa  
 Test Setup: figure 1 and figure 6

Testing Engineer: D.Lanuel  Date 19/07/06

### 6.1. Test Results Summary & Conclusions

The E.U.T was found in compliance with Field strength of fundamental requirement

### 6.2. Limits of Field Strength for fundamental according 15.231(b)

The test unit shall meet the limits of Table 4

*Table/ 4 Limits For Fundamental*

Frequency (MHz)	Average Max Limits (dB $\mu$ V/m)	Peak Max Limits (dB $\mu$ V/m)
433.92	81	101

### 6.3. Test Instrumentation and Equipment

*Table/ 5 Test Instrumentation and Equipment*

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	8593E	HP	31/01/07
Broadband Antenna	BTA-L	FRANKONIA	10.04.07



## 6.4. Test Results

Table/ 6 Average Factor

TX Period( min)	Duty Cycle (min)	Average Factor (db)	Plot Reference
6.6ms	$6.6/100=0.066$	$20\log 0.066=-23.60$	11,12

Table/ 7 Peak Result of Fundamental

Frequency (MHz)	Peak Result (dB $\mu$ V/m)	Peak Limits (dB $\mu$ V/m)	Margin (DB)	Plot No	Pass/ Fail
433.916	96.6	101	4.4	4	Pass

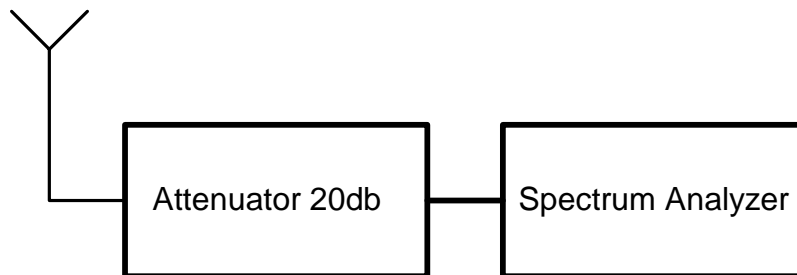
Table/ 8 Average Result of Fundamental

Peak Result (dB $\mu$ V/m)	Average Factor	Calculation Results	Average Limits (dB $\mu$ V/m)	Margin (dB)	Pass/ Fail
96.6	-23.60	73	81	8	PASS

**6.5. Test Procedure**

The EUT was placed on the top of rotating table 0.8 meters above the ground and the table was rotated 360°, the height of antenna is varied from one to 4 meters (vertical and horizontal polarization) to determine the max field strength of fundamental

**6.6. Test Setup**

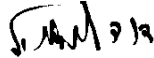


*Figure/ 2 Field strength of fundamental test setup*

**7. RADIATED EMISSION PART 15.231(B) & 15.205**

E.U.T: TRXL-720-2 S/N 63553  
 Test Method: ANSI 63.4  
 Date: 12/07/06  
 Relative Humidity: 42%  
 Ambient Temperature: 20°C  
 Air Pressure: 1039hpa  
 Test Setup: figure 1 and figure 6

Testing Engineer: D.Lanuel



Date 19/07/06

**7.1. Test Results Summary & Conclusions**

The E.U.T was found in compliance with 15.231&15.205 requirements

**7.2. Limits of Radiated Interference Field Strength according 15.231**

The test unit shall meet the limits of Table 9.

*Table/ 9 Limits For 15.231(b)*

Frequency range(MHz)	Average Limits (dB $\mu$ V/m)	peak Limits (dB $\mu$ V/m)
0.009 – 3500	61	81

Table/ 10 Limits For 15.205

Note	Frequency range(MHz)	peak Limits (dB $\mu$ V/m) Distance 3meter
Restricted band	0.009 – 0.490	128 – 93.8
	0.490 – 1,705	73.8 - 63
	1.705 - 30	70
	30 - 88	40
	88 - 216	43.5
	216 - 960	46
	Above 960	53.9

### 7.3. Test Instrumentation and Equipment

Table/ 11 Test Instrumentation and Equipment

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	8593E	HP	31/01/07
Rode Antenna(10KHz-30MHz)	95010-1	ETN	13.11.07
Double Ridge Guide Antenna(1-18GHz)	3105	EMCO	24.04.07
Broadband Antenna	BTA-L	FRANKONIA	10.04.07
Low Noise Amplifier (0-1GHz)	AM-1300-N	MITEQ	14.01.07
Low Noise Amplifier (1-2GHz)	SMC-09	MITEQ	14.01.07
Low Noise Amplifier (2-6GHz)	SMC-09	MITEQ	14.01.07

#### 7.4. Preliminary Results

*Table/ 12 Preliminary Test Results for intentional Emissions in TX Mode 15.231*

Antenna Polarization	Freq. Range MHz	Res. BW (kHz)	Plot No.	PASS/FAIL
Both Hor.& Ver	0.009 – 0.15	0.2	5,6	Pass
	0.15 - 30	9	7,8	Pass
	30-1000	120	9	Pass
	1000-2.800	1000	10	Pass
	2.800-5000	1000	11	Pass

#### 7.5. Final Results

*Table/ 13 Six Highest Peak Emission Test Results*

Freq. (MHz)	Peak Reading (*) (dB $\mu$ V/m)	Limit dB $\mu$ V/m	Margin (dB)	Pass/Fail
867.906	72.6	81	8.4	PASS
1301.648	49.3	54	4.7	PASS
2169.626	57.9	81	23.1	PASS
2603.435	49.2	81	31.8	PASS

\*Restricted band

*Table/ 14 Six Highest Average Emission Test Results*

Freq. (MHz)	Calculated (dB $\mu$ V/m)	Limit dB $\mu$ V/m	Margin (dB)	Pass/Fail
867.906	49	61	12	Pass
1301.648	25.7	54	28.3	Pass
2169.626	34.3	61	26.7	Pass
2603.435	25.6	61	35.4	Pass

Average Emission Calculate: Peak value + Average Factor (-23.6)

**7.6. Test Procedure**

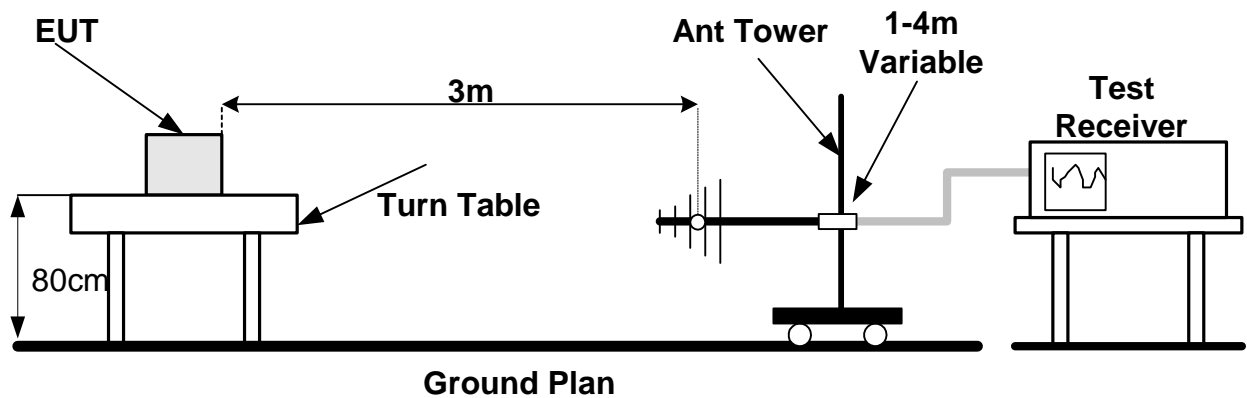
**Preliminary Test Procedure**

- 7.6.1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a chamber shielded
- 7.6.2. The E.U.T was set 3 meters away from the receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 7.6.3. The Antenna height varied from one meter to 1.8 meters above the ground and the table was rotated 360° to determine the maximum value of the field strength
- 7.6.4. The antenna was set both horizontal and vertical polarization.

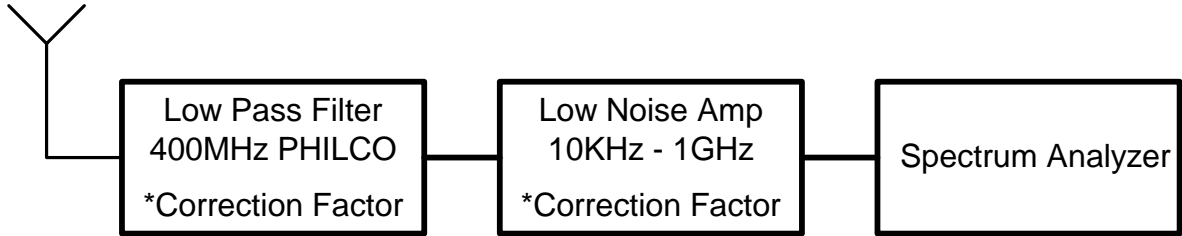
**Final Test Procedure**

- 7.6.5. The EUT was tested at open area for each suspected emission,
- 7.6.6. The test procedure was performed according paragraph d. but the Antenna height varied from one meter to four meters above the ground

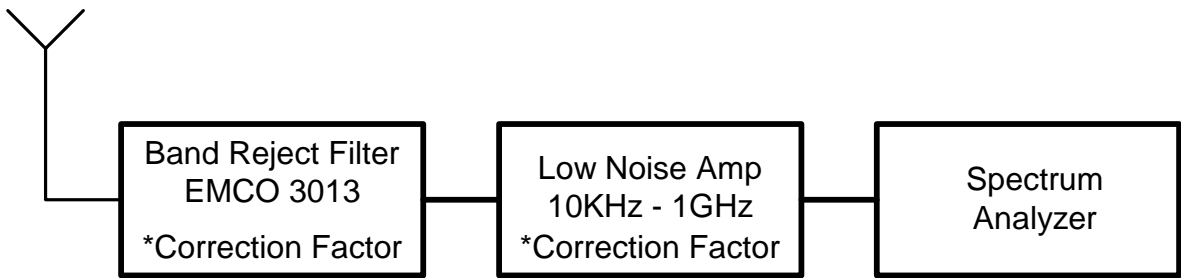
**7.7. Final Test Setup**



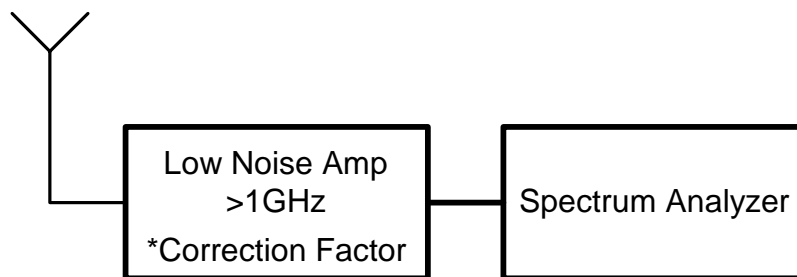
*Figure/ 3 Radiated Emission Test Configuration*



*Figure/ 4 Radiated Emission Measurement 10KHz - 400MHz*



*Figure/ 5 Radiated Emission Measurement 400MHz - 1GHz*

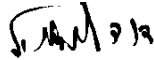


*Figure/ 6 Radiated Emission Measurement above 1GHz*

**8. RADIATED EMISSION PART 15.109- (FOR STBY MODE)**

E.U.T: TRXL-720-2 S/N 63553  
 Test Method: ANSI 63.4  
 Date: 12/07/06  
 Relative Humidity: 42%  
 Ambient Temperature: 20°C  
 Air Pressure: 1039hpa  
 Test Setup: figure 1 and figure 6

Testing Engineer: D.Lanuel



Date 19/07/06

**8.1. Test Results Summary & Conclusions**

The E.U.T was found in compliance with 15.109 radiated emission requirements

**8.2. Limits of Radiated Interference Field Strength according 15.109**

The test unit shall meet the limits of Table 15 for Class B equipment.

*Table/ 15 Limits For 15.109 Class B equipment*

Frequency Range (MHz)	Quasi-peak Limits (dB $\mu$ V/m)
30 - 88	40
88 - 216	43.5
216 - 960	46
960 - 2000	53.9



**8.3. Test Instrumentation and Equipment**

*Table/ 16 Test Instrumentation and Equipment*

Item	Model	Manufacturer	Next Date Calibration
Spectrum Analyzer	8593E	HP	31/01/07
Double Ridge Guide Antenna(1-18GHz)	3105	EMCO	24.04.07
Broadband Antenna(30-1000MHz)	BTA-L	FRANKONIA	10.04.07
Low Noise Amplifier (0-1GHz)	AM-1300-N	MITEQ	14.01.07
Low Noise Amplifier (1-2GHz)	SMC-09	MITEQ	14.01.07
Low Noise Amplifier (2-6GHz)	SMC-09	MITEQ	14.01.07

**8.4. Results**
**Preliminary Test Results**

*Table/ 17 Preliminary Test Results for Unintentional Emissions in RX Mode  
15.109*

Antenna Polarization	Freq. Range MHz	Res. BW (kHz)	Plot No.	PASS/FAIL
Both	30-1000	120	12	Pass
	1000-2.800	120	13	Pass
	2,800-5000	1000	14	Pass

**Final Test Results**

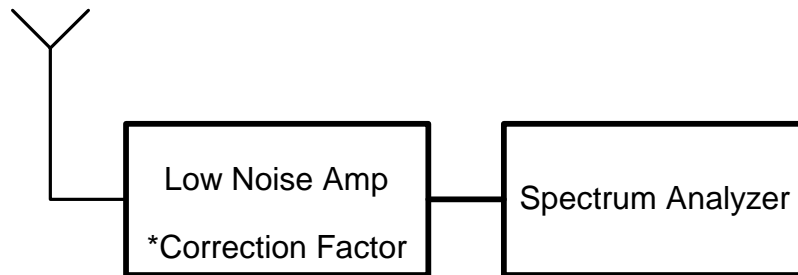
*Table/ 18 Six Highest Peak Emission Test Results*

Freq. (MHz)	Peak Reading (*) (dB $\mu$ V/m)	Limit dB $\mu$ V/m	Margin (dB)	Pass/Fail
30MHz – 5GHz	The Emission are at least 20db below the limit			

**8.5. Test Procedure**

See paragraph 7.6

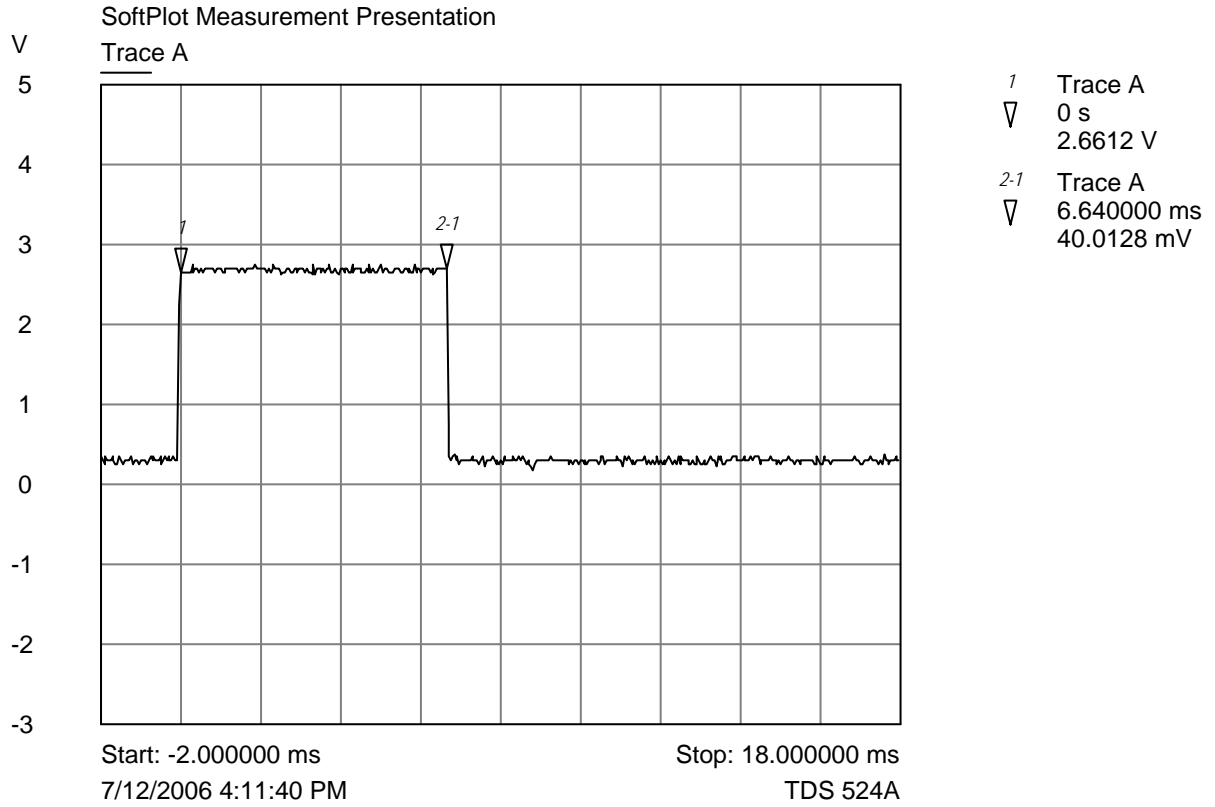
**8.6. Test Set up**



*Figure/ 7 Radiated Emission Measurement 9KHz – 10GHz*

**9. PLOTS OF TEST RESULTS**

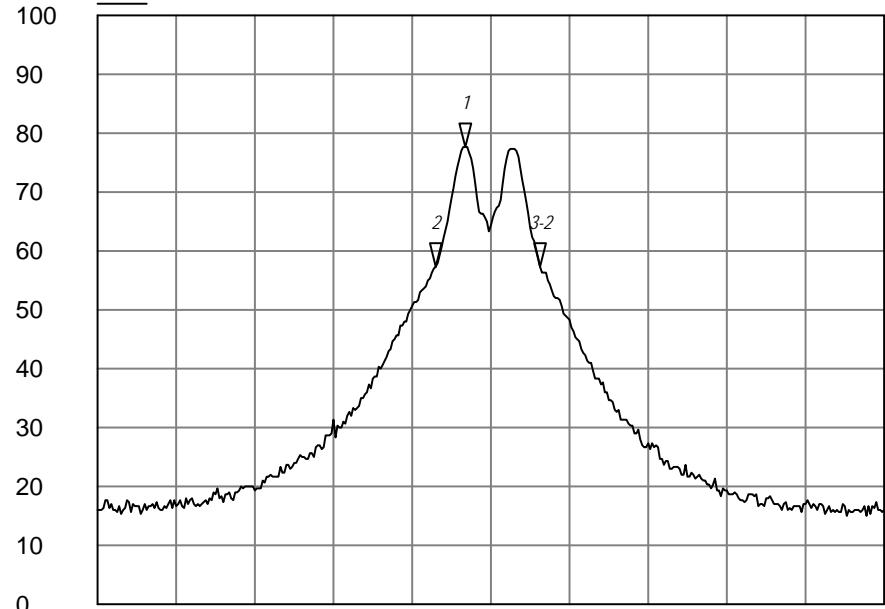
*Test Results Plot No 1 Duty Cycle*





**Test Results Plot No 3**

SoftPlot Measurement Presentation  
Trace A



- 1 Trace A  
▽ 433.887500 MHz  
77.5200 dBuV
- 2 Trace A  
▽ 433.850000 MHz  
57.2900 dBuV
- 3-2 132.500000 kHz  
▽ 0.0700 dB

Start: 433.420000 MHz      Stop: 434.420000 MHz  
 Res BW: 10 kHz      Vid BW: 10 kHz      Sweep: 30.00 ms  
 7/12/2006 3:36:16 PM      HP8593E

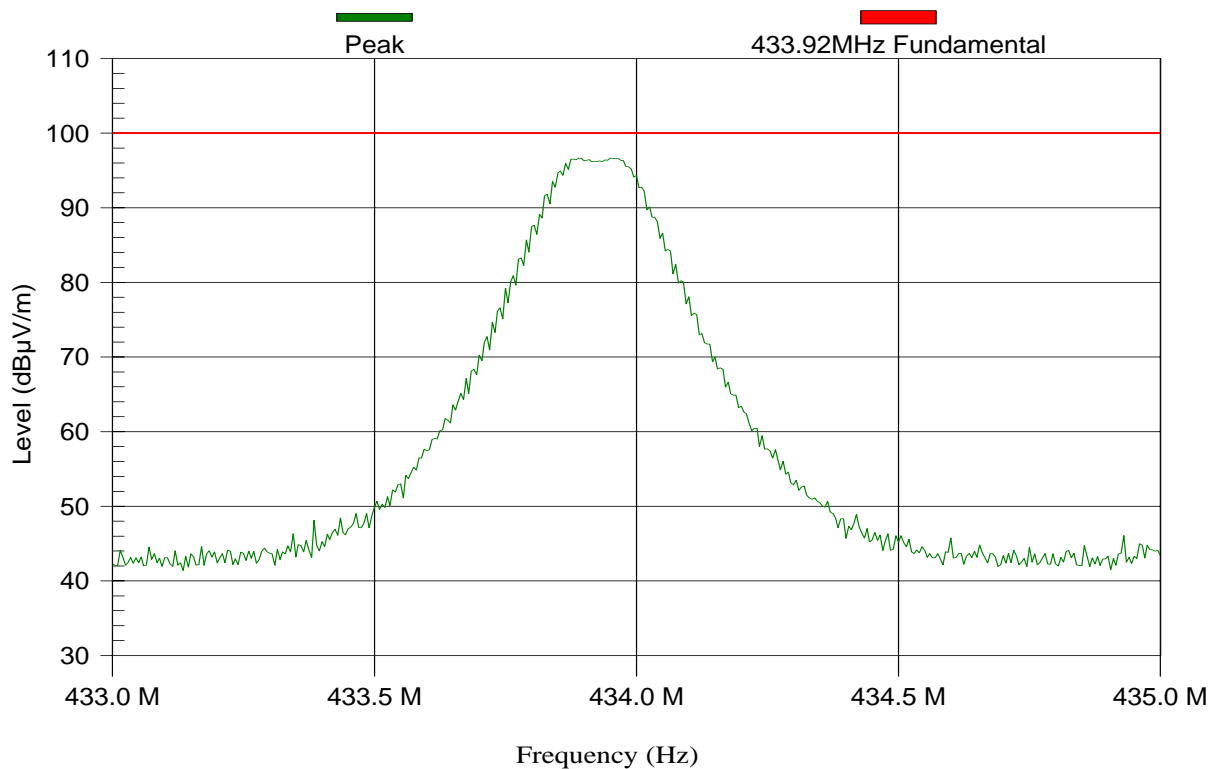
**Test Results Plot No 4**

**FUNDAMENTAL FCC 433.92MHz**

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	100 dBµV
Date of Test:		RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia BTA-L_A 3m	Sweep Time:	Auto: 20 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	No Description Available

TEST REMARKS: Wednesday, July 12, 2006

11:12:08 AM



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequency (MHz)	PK MaxHold (dBµV/m)	PK Limit (dBµV/m)	Result	Angle (degrees)	Height (m)	H/V
1	433.95	96.6	100	Pass	90	1	H

**Test Results Plot No 5**

*FCC 15-209 9-150KHz TX VER*

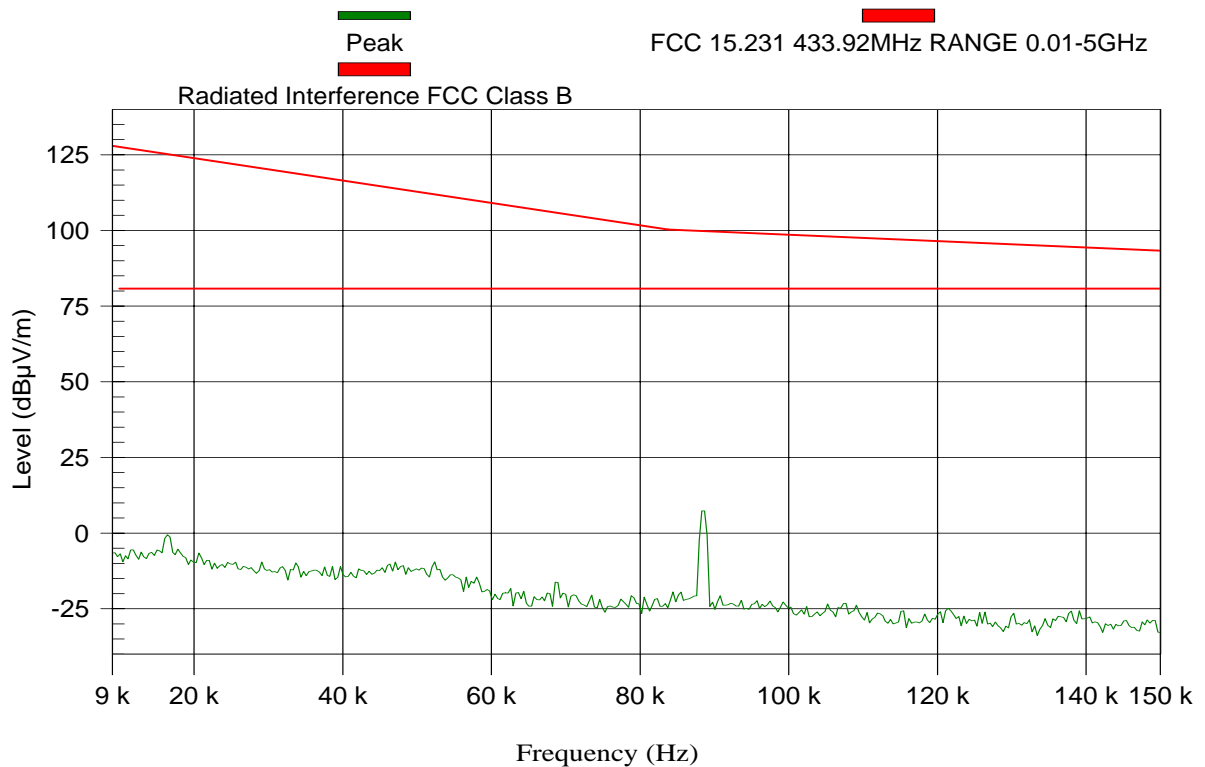
Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	130 dBµV
Date of Test:		RBW:	300 Hz
Test Engineer:	SHIMON KOZLINER	VBW:	300 Hz
Antenna:	LOOP ANT.HFH 2 Z2	Sweep Time:	Auto: 4.7 s
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS:Wednesday, July 12, 2006

3:11:04 PM

Spurious Emission.

TX Mode.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

**Test Results Plot No 6**

FCC 15-209 9-150KHz TX HOR

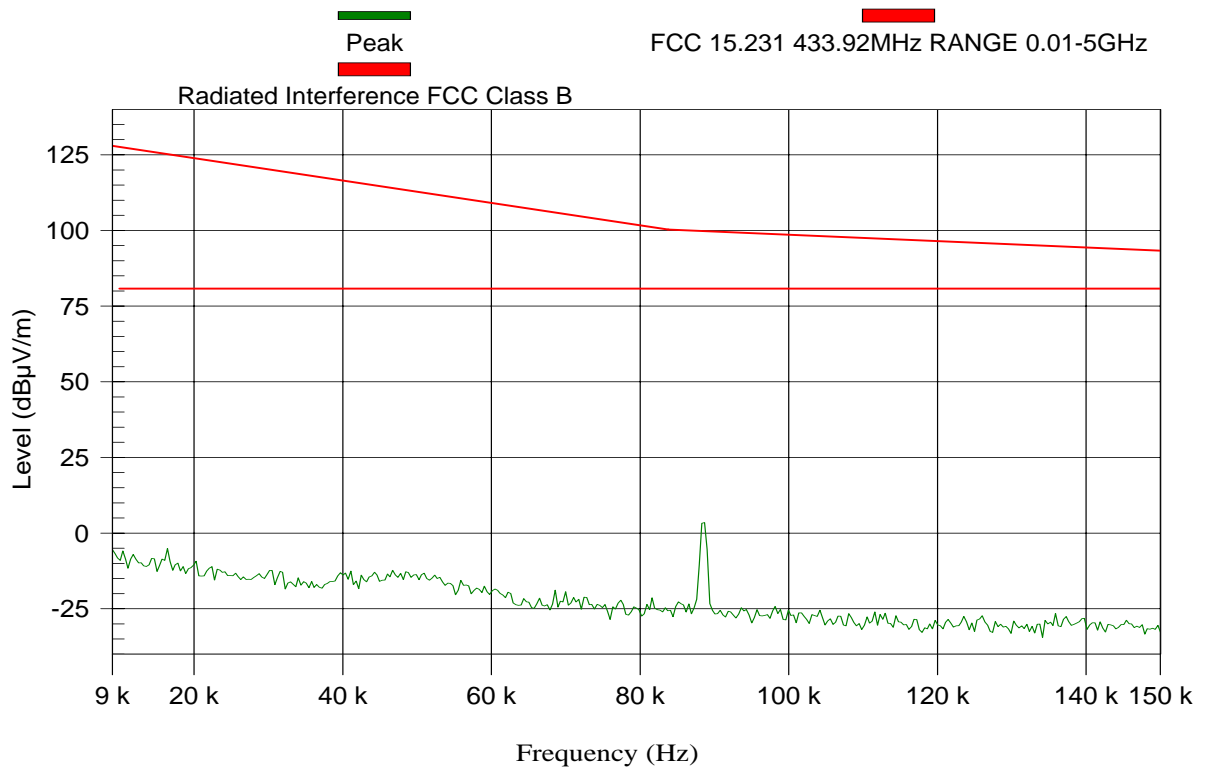
Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	130 dB $\mu$ V
Date of Test:		RBW:	300 Hz
Test Engineer:	SHIMON KOZLINER	VBW:	300 Hz
Antenna:	LOOP ANT.HFH 2 Z2	Sweep Time:	Auto: 4.7 s
Polarization:	Horizontal	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS:Wednesday, July 12, 2006

2:49:46 PM

Spurious Emission.

TX Mode.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None



**Test Results Plot No 7**

FCC 15-209 0.15-30MHz TX VER

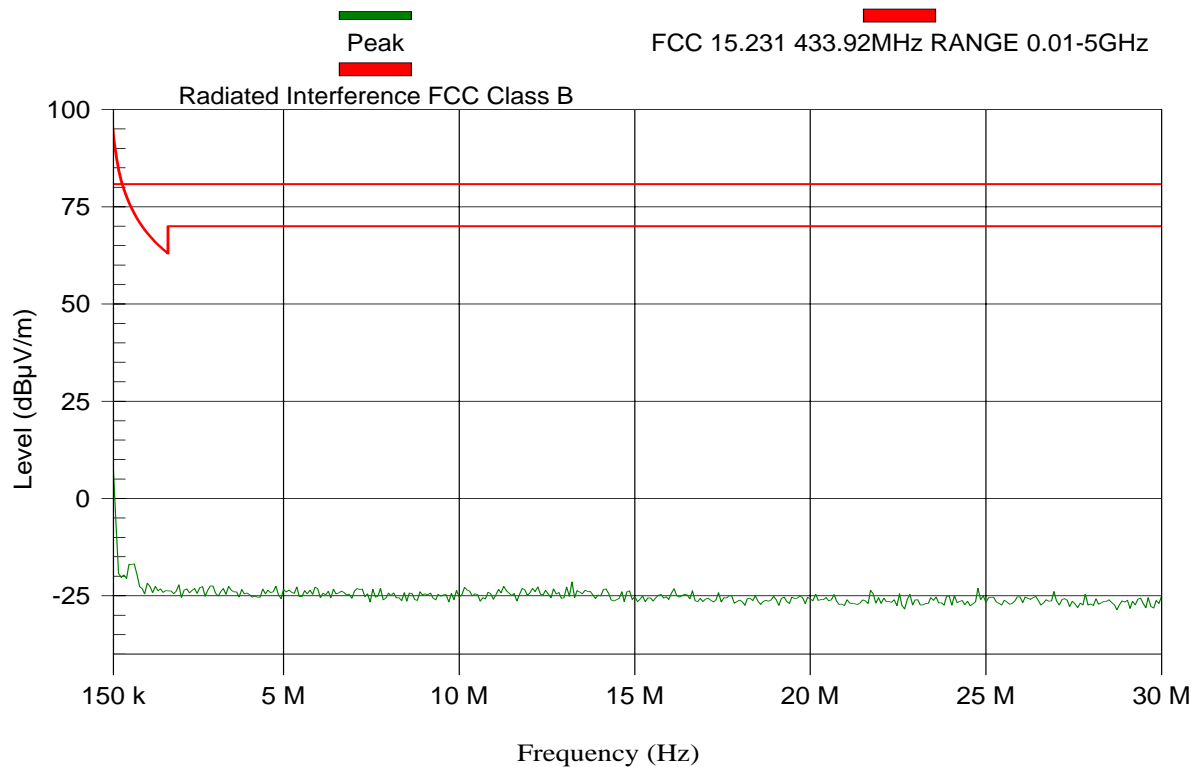
Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dB $\mu$ V
Date of Test:		RBW:	9 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	LOOP ANT.HFH 2 Z2	Sweep Time:	Auto: 1.11 s
Polarization:	Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS:Wednesday, July 12, 2006

3:13:54 PM

Spurious Emission.

TX Mode.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

**Test Results Plot No 8**

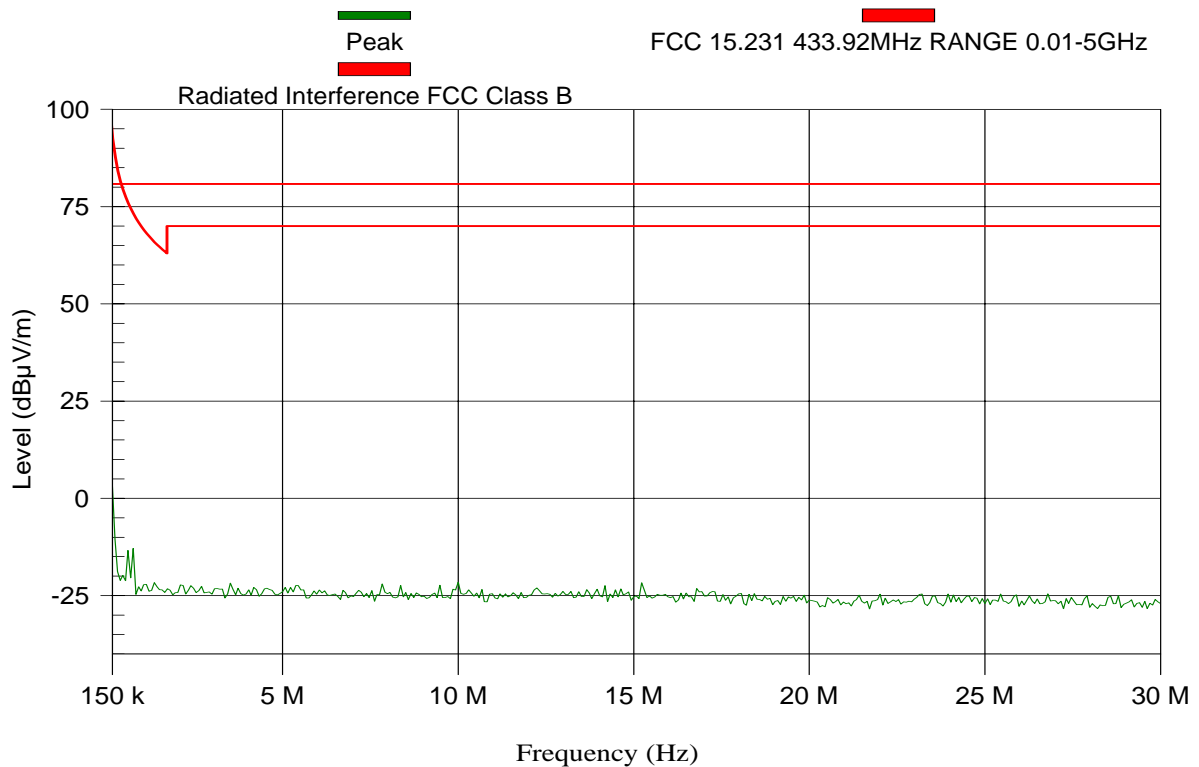
FCC 15-209 0.15-30MHz TX HOR

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dBμV
Date of Test:		RBW:	9 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	30 kHz
Antenna:	LOOP ANT.HFH 2 Z2	Sweep Time:	Auto: 1.11 s
Polarization:	Horizontal	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS:Wednesday, July 12, 2006

3:02:22 PM

Spurious Emission TX Mode



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

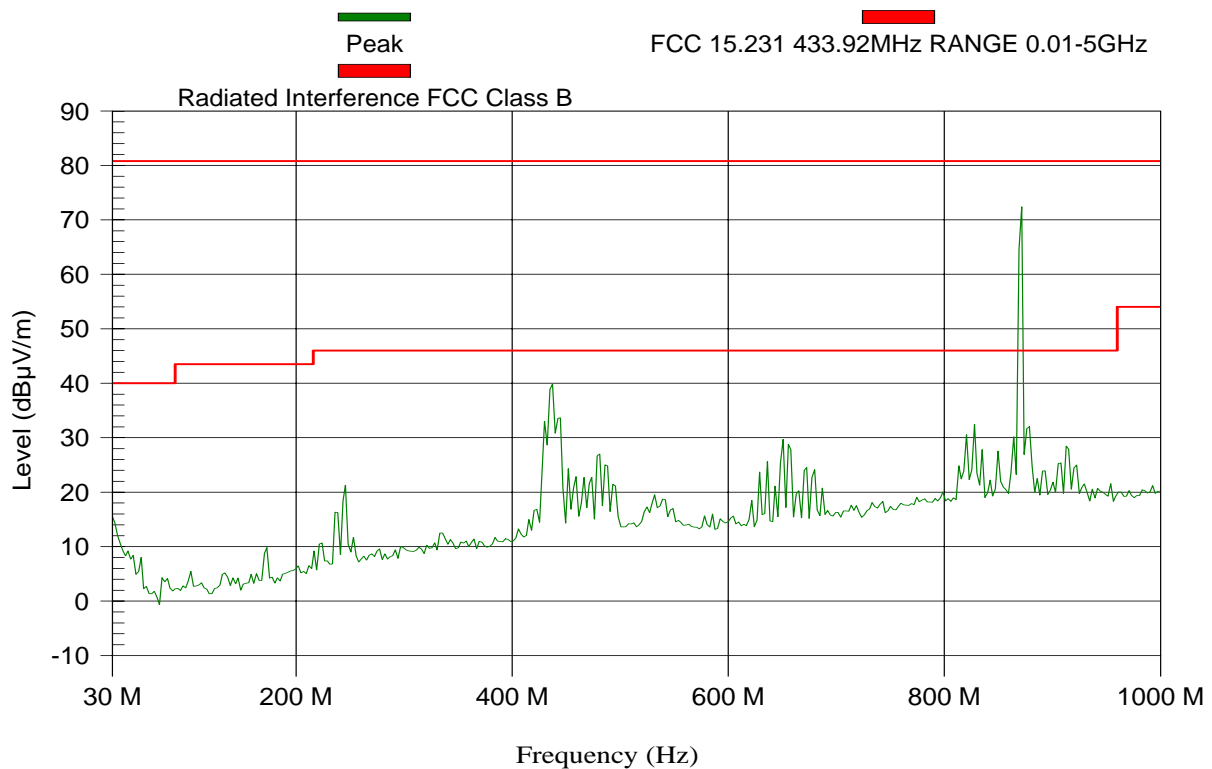
None

**Test Results Plot No 9**

**FCC 15-209 CLASS B 30-1000MHz**

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dB $\mu$ V
Date of Test:		RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia BTA-L_A 3m	Sweep Time:	Auto: 202.08 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS: Wednesday, July 12, 2006 11:53:33 AM Spurious Emission.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

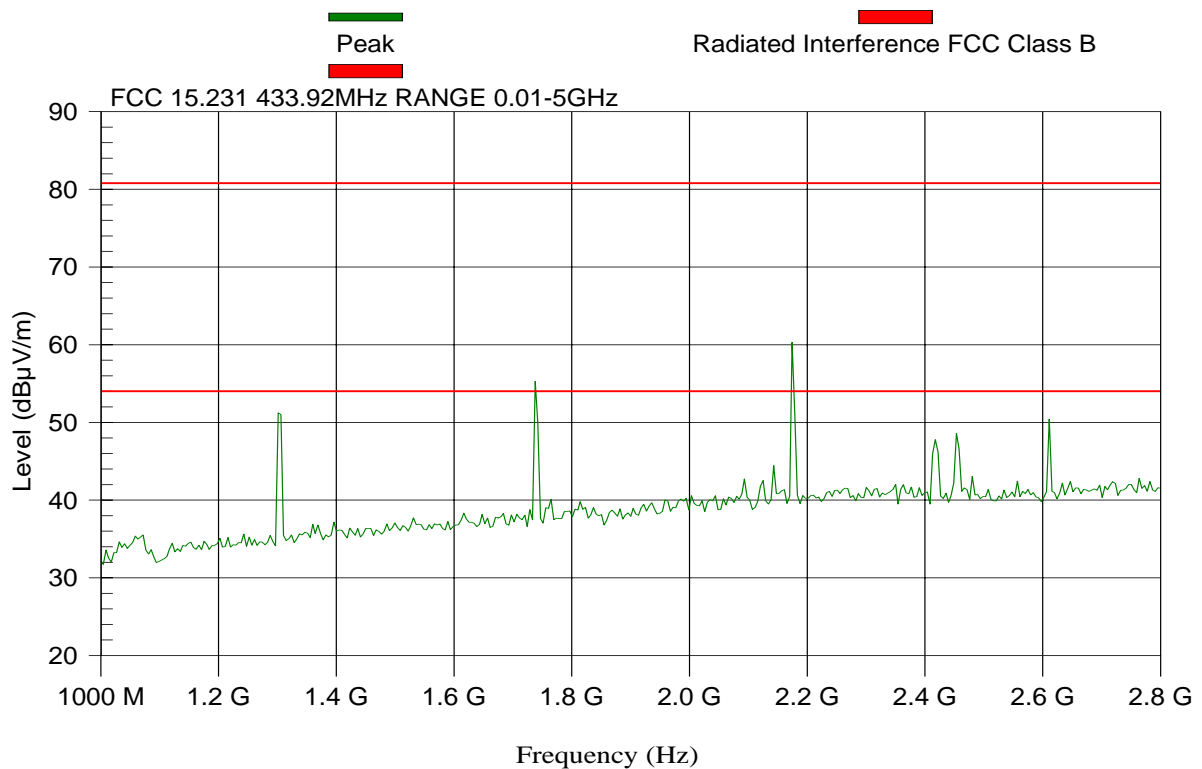
Frequency (MHz)	PK MaxHold (dB $\mu$ V/m)	QP Value (dB $\mu$ V/m)	PK Limit (dB $\mu$ V/m)	QP Limit (dB $\mu$ V/m)	Result	Angle (degrees)	Height (m)	H/V
867.906	72.7	72.6	80.8	46	Fail	90	1	V

**Test Results Plot No 10**

*FCC 15-231 1-2.8GHz TX*

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dB $\mu$ V
Date of Test:		RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto: 36 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Wednesday, July 12, 2006 12:26:59 PM Spurious Emission.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequenc y (MHz)	PK Value (dBµV/m )	QP Value (dBµV/m )	PK Limit (dBµV/m )	QP Limit (dBµV/m )	Result	Angle (degr ees)	Heigh t (m)	H/V
1	1301.648	49.3	48.1	80.8	54	Pass	270	1	V
2	1735.588	54.1	53.2	80.8	54	Pass	180	1	H
3	2169.626	57.9	57	80.8	54	Fail	0	1.6	H
4	2453.5	48.6	34.7	80.8	54	Pass	90	1	V
5	2603.435	49.2	44.5	80.8	54	Pass	355	1.6	H

**Test Results Plot No 11**

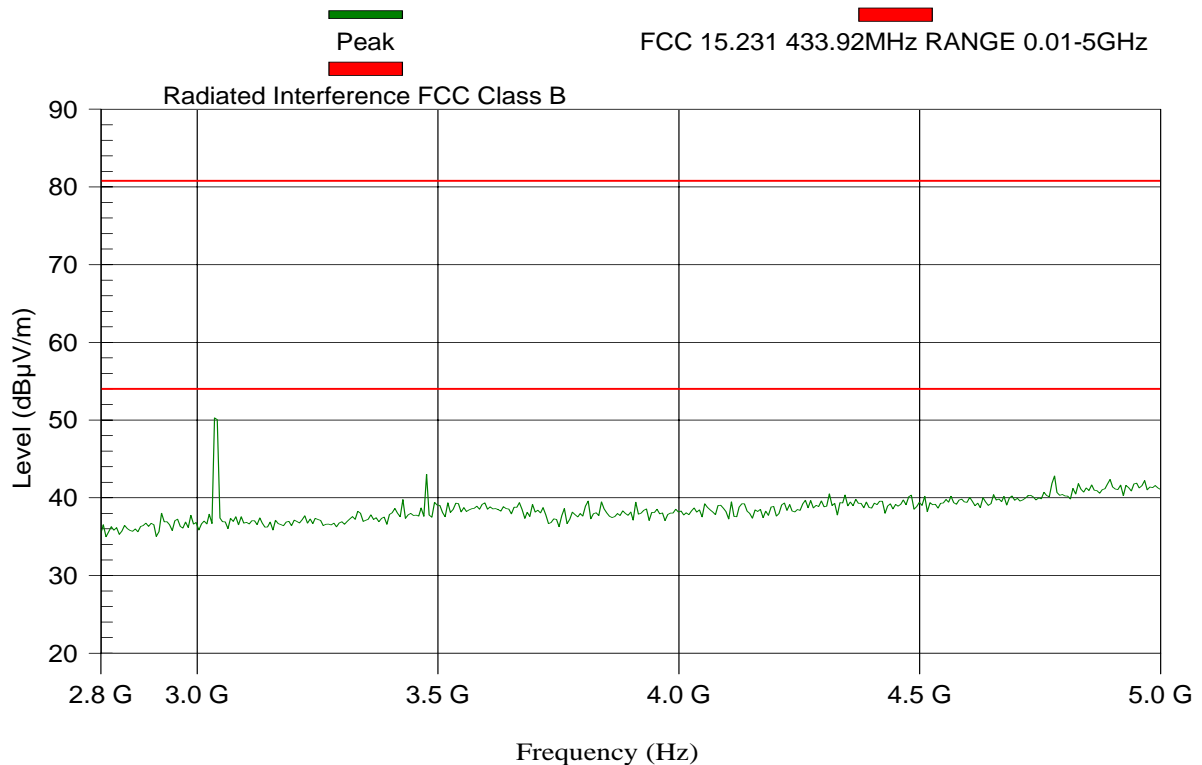
*FCC 15-231 2.8-5GHz TX*

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dB $\mu$ V
Date of Test:		RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto: 44 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	ELISRA AMP 2-6 GHz

TEST REMARKS: Wednesday, July 12, 2006

1:38:31 PM

Spurious Emission.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

Nr	Frequenc y (MHz)	PK MaxHold (dBμV/m)	QP Value (dBμV/m)	PK Limit (dBμV/m )	QP Limit (dBμV/m )	Result	Angle (degr ees)	Heigh t (m)	H/V
1	3037.224	51.9	50.3	80.8	54	Pass	90	1.3	V
2	3037.576	51.8	50.5	80.8	54	Pass	90	1	V

**Test Results Plot No 12**

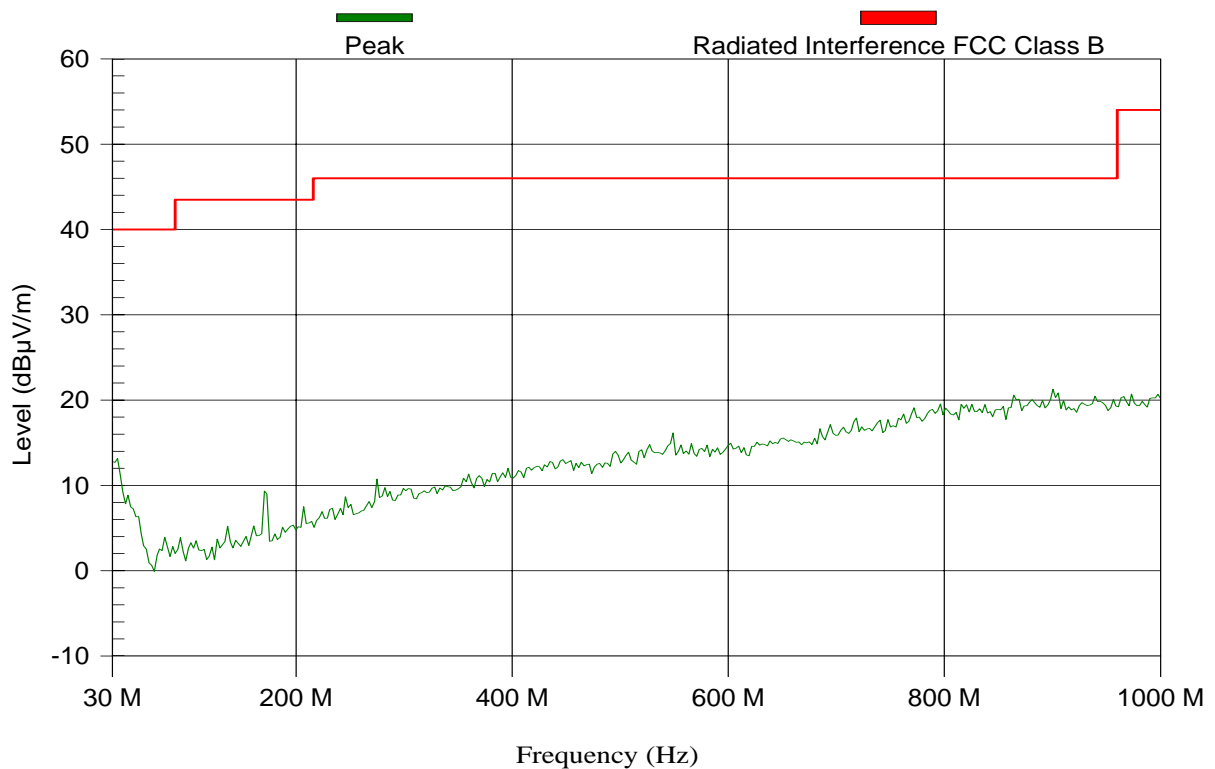
*FCC 15-109 30-1000MHz Stby*

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dB $\mu$ V
Date of Test:		RBW:	120 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	Frankonia BTA-L_A 3m	Sweep Time:	Auto: 202.08 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	LNA MITEQ 0.01-1GHz No-1

TEST REMARKS:Wednesday, July 12, 2006

12:01:09 PM

Spurious Emission.



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None



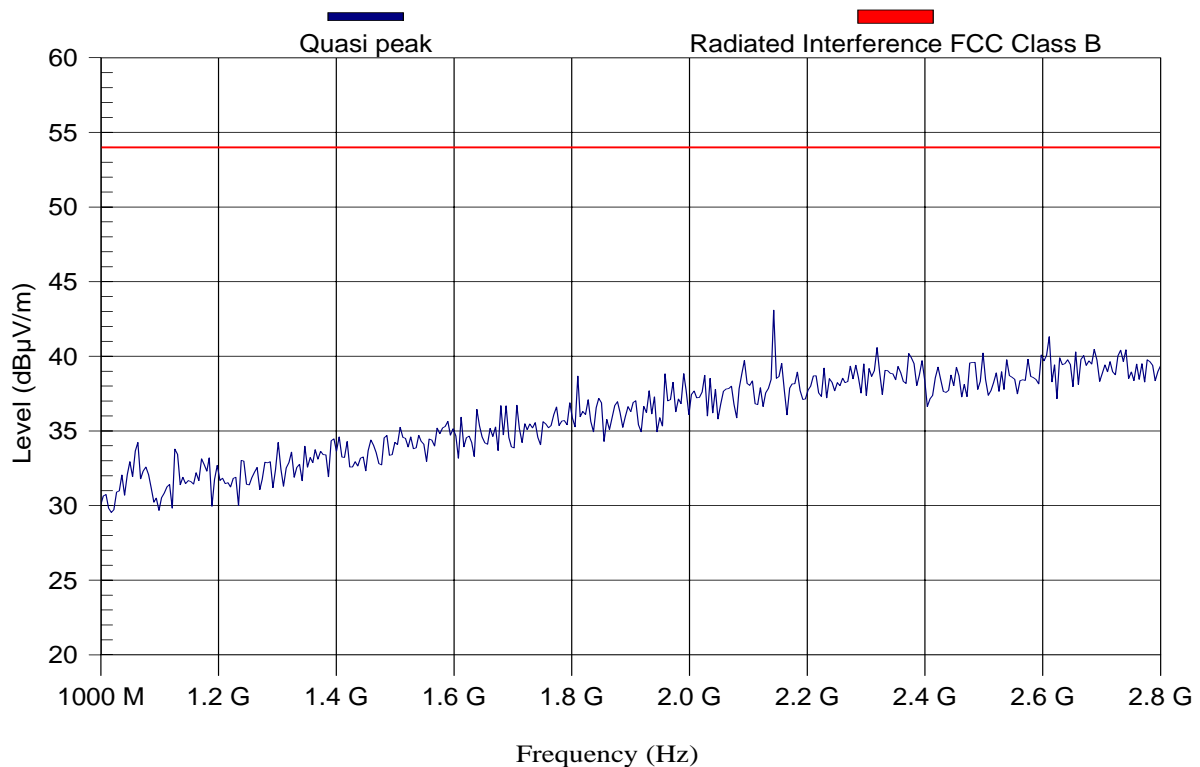
**Test Results Plot No 13**

*FCC 15-109 1-2.8GHz*

Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	70 dB $\mu$ V
Date of Test:		RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto: 36 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	pre amp 1GHz-4GHz

TEST REMARKS: Wednesday, July 12, 2006 1:37:19 PM

Spurious Emission Stby Mode.



**MAXIMUM RESULT DEVIATION:**

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None

**Test Results Plot No 14**

*FCC 15-231 2.8-5GHz RX*

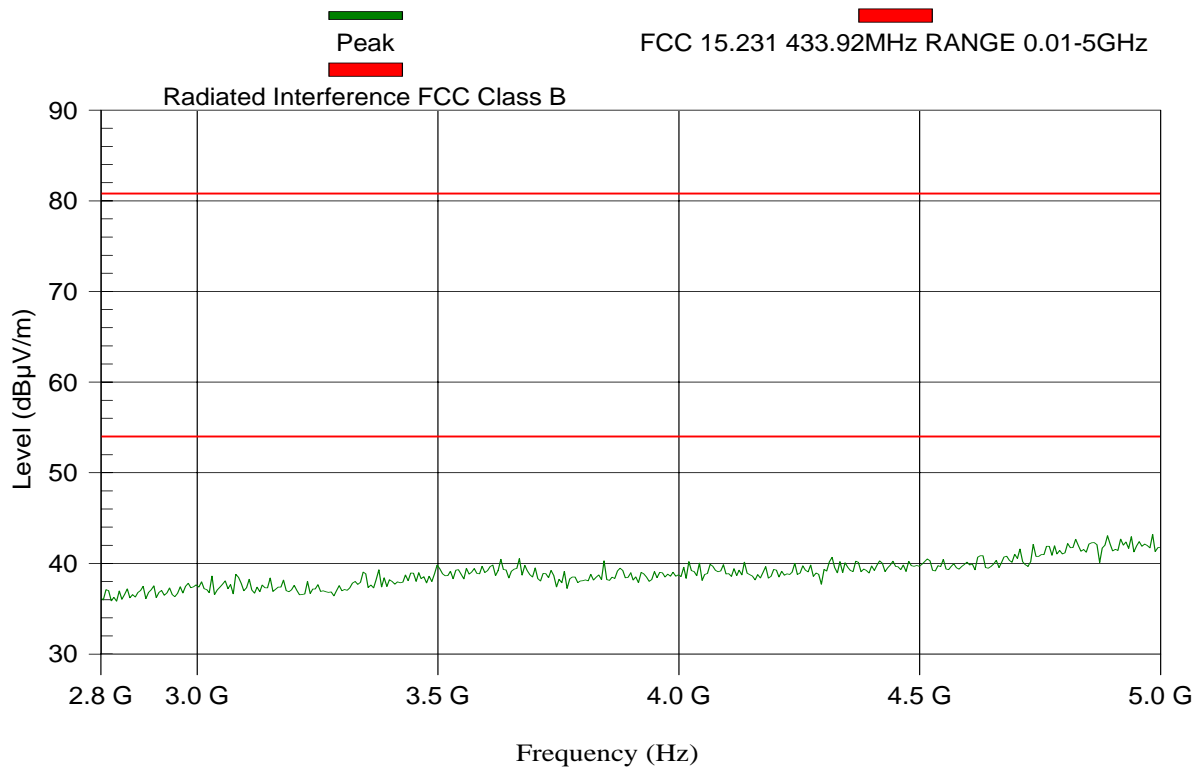
Test & EUT General Information		Receiver Setting	
EUT Name:	TRXL720	Spect Analyzer	S.A HP 8593E
S/N:	63553	Ref. Level:	80 dB $\mu$ V
Date of Test:		RBW:	1000 kHz
Test Engineer:	SHIMON KOZLINER	VBW:	1000 kHz
Antenna:	ARA DRG-118/A 1-18GHz 1319	Sweep Time:	Auto: 44 ms
Polarization:	Horizontal and Vertical	Pre Amplifier	ELISRA AMP 2-6 GHz

TEST REMARKS: Wednesday, July 12, 2006

1:45:37 PM

Spurious Emission.

Stby Mode.



MAXIMUM RESULT DEVIATION:

Detect all peaks above 6 dB below the limit line with a maximum of 6 peaks.

None



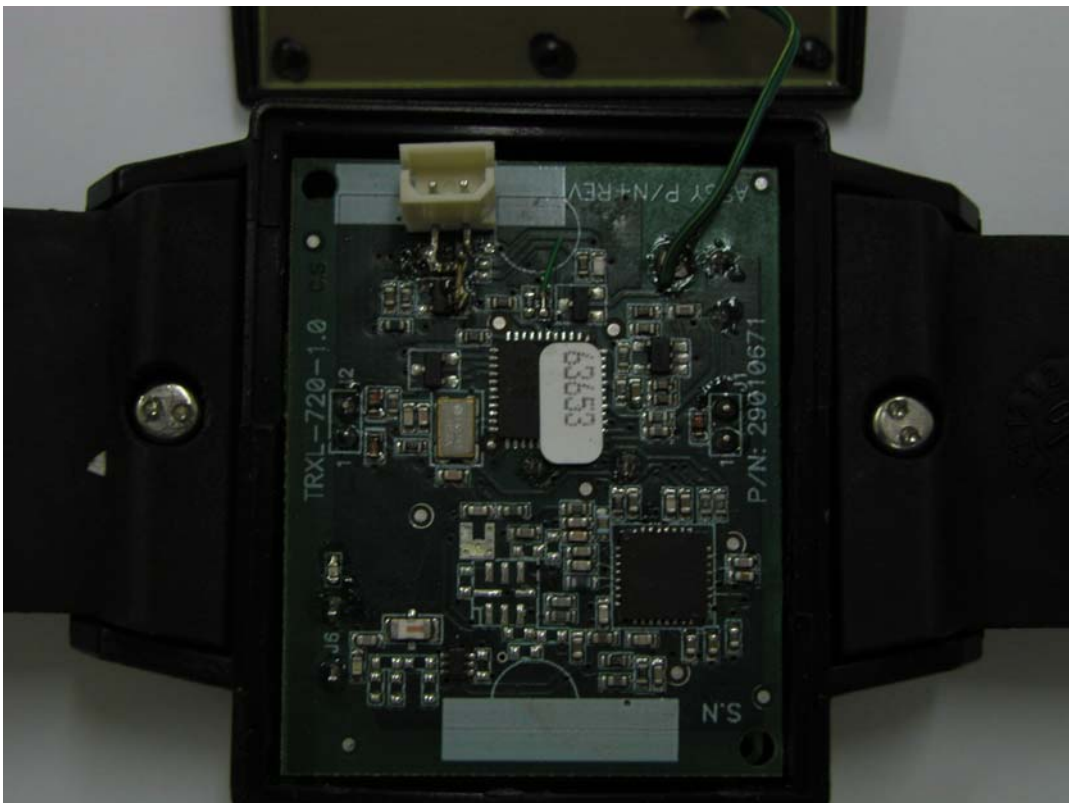
*Photograph/ 1 Radiated Emission Test Setup up to 30MHz*



*Photograph/ 2 Radiated Emission Test Setup 30MHz - 1GHz*



*Photograph/ 3 EUT*



*Photograph/ 4 EUT*

