

APPLICATION CERTIFICATION FCC Part 15C  
On Behalf of

XIAMEN COMFORT SCIENCE & TECHNOLOGY GROUP CO., LTD

Massage Chair  
Model No.: EC-624H, OS-Pro Alpina

FCC ID: YMX-EC624H

Prepared for : XIAMEN COMFORT SCIENCE & TECHNOLOGY GROUP CO.,  
LTD

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Report No. : ATE20171243 002

Date of Test : June 29-July 5, 2017

Date of Report Rev. 1 : July 5, 2017

Date of Report Rev. 2 : Dec. 7, 2017

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## Test Report Certification

Applicant : XIAMEN COMFORT SCIENCE & TECHNOLOGY GROUP CO., LTD  
Manufacturer : XIAMEN COMFORT SCIENCE & TECHNOLOGY GROUP CO., LTD  
EUT Description : Massage Chair  
Model No. : EC-624H, OS-Pro Alpina  
Trade Name : N/A

## Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.247**  
**ANSI C63.10: 2013**

The EUT was tested according to DTS test procedure of Apr 05, 2017 KDB558074 D01 DTS Meas Guidance v04 for compliance to FCC 47CFR 15.247 requirements

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section 15.247 limits. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

Date of Test :

June 29-July 5, 2017

Date of Report Rev. 1 :

July 5, 2017

Date of Report Rev. 2 :

Dec. 7, 2017

Prepared by :



Approved &amp; Authorized Signer :

(Sean Liu, Manager)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT	:	Massage Chair
Model Number	:	EC-624H, OS-Pro Alpina (Note: We hereby state that these models are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement. So we prepare the EC-624H for test.)
Bluetooth version	:	BT V4.0 LE
Frequency Range	:	2402MHz-2480MHz
Number of Channels	:	40
Antenna Gain	:	2dBi
Antenna type	:	Plate loaded ceramic antenna
Power Supply	:	AC 110-120V/60Hz
Modulation mode	:	GFSK
Applicant	:	XIAMEN COMFORT SCIENCE & TECHNOLOGY GROUP CO., LTD
Address	:	(5/F) NO.168, QIANPU ROAD, SIMING DISTRICT, XIAMEN, CHINA
Manufacturer	:	XIAMEN COMFORT SCIENCE & TECHNOLOGY GROUP CO., LTD
Address	:	(5/F) NO.168, QIANPU ROAD, SIMING DISTRICT, XIAMEN, CHINA

## 1.2.Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channe 1	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

## 1.3.Special Accessory and Auxiliary Equipment

PC : Manufacturer: LENOVO  
M/N: 4290-RT8  
S/N: R9-FW93G 11/08

## 1.4.Description of Test Facility

EMC Lab : Recognition of accreditation by Federal Communications Commission (FCC)  
The Designation Number is CN1189  
The Registration Number is 708358

Listed by Innovation, Science and Economic Development Canada (ISED)  
The Registration Number is 5077A-2

Accredited by China National Accreditation Service for Conformity Assessment (CNAS)  
The Registration Number is CNAS L3193

Accredited by American Association for Laboratory Accreditation (A2LA)  
The Certificate Number is 4297.01

Name of Firm : Shenzhen Accurate Technology Co., Ltd.  
Site Location : 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China

### 1.5.Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2  
(9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2  
(30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2  
(Above 1GHz)

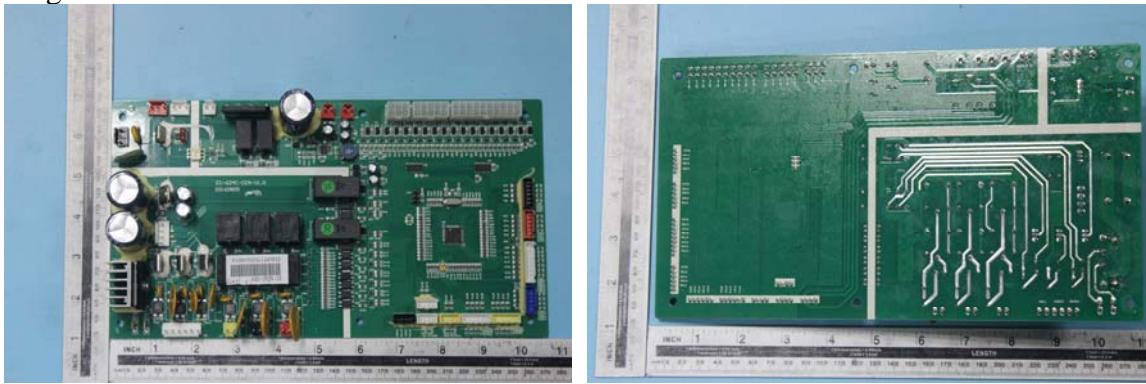
## 2. DESCRIPTION OF VERSION

Edition No.	Date of Rev.	Summary	Report No.
REV.1	July 5, 2017	Original Report	ATE20171243
REV.2	Dec. 7, 2017	Replace motherboard	ATE20171243 002

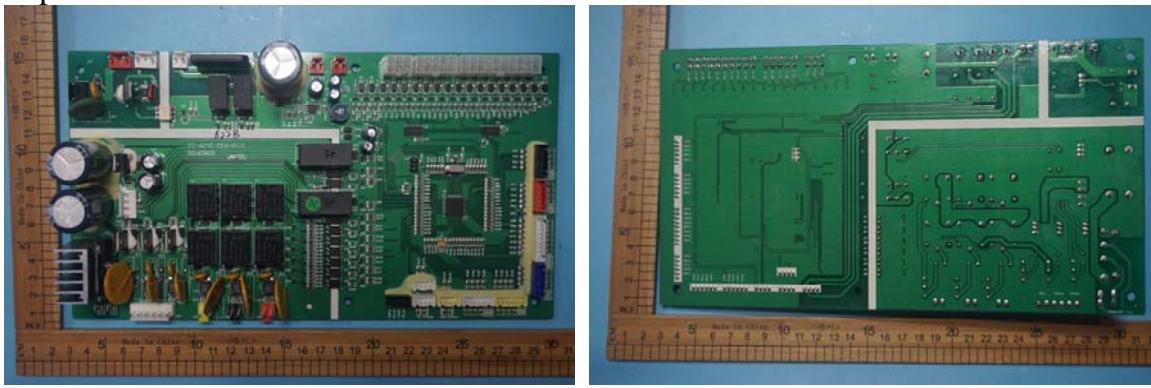
### Remark for Rev. 2

1. This report is an additional version with original report number ATE20171243. The different with original report please see the above table of REV.2.
2. Compared with the original report ATE20171243, Through evaluation of the above difference, Conducted Emission and Radiated emission(Below 1GHz) is need to retest, other test data and test pictures would refer to Original Report ATE20171243.
3. This report is based on report of ATE20171243.
4. For testing items not reflected in this report, Please refer to the original report.

### Original motherboard:



### Replace motherboard:



Note: The circuits and software programs of two motherboards are differently.

### 3. MEASURING DEVICE AND TEST EQUIPMENT

**Table 1: List of Test and Measurement Equipment**

Kind of equipment	Manufacturer	Type	S/N	Calibrated dates	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 07, 2017	1 Year
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 07, 2017	1 Year
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 07, 2017	1 Year
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 07, 2017	1 Year
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 13, 2017	1 Year
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 13, 2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 13, 2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 13, 2017	1 Year
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 07, 2017	1 Year
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 07, 2017	1 Year
Highpass Filter	Wainwright Instruments	WHKX3.6/18 G-10SS	N/A	Jan. 07, 2017	1 Year
Band Reject Filter	Wainwright Instruments	WRCG2400/2 485-2375/2510 -60/11SS	N/A	Jan. 07, 2017	1 Year

## 4. OPERATION OF EUT DURING TESTING

### 4.1. Operating Mode

The mode is used: **BLE Transmitting mode**

Low Channel: 2402MHz

Middle Channel: 2440MHz

High Channel: 2480MHz

### 4.2. Configuration and peripherals

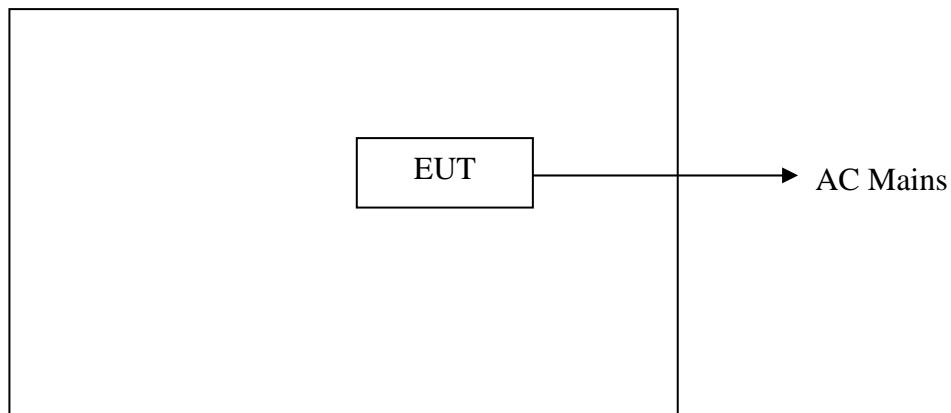


Figure 1 Setup: Transmitting mode

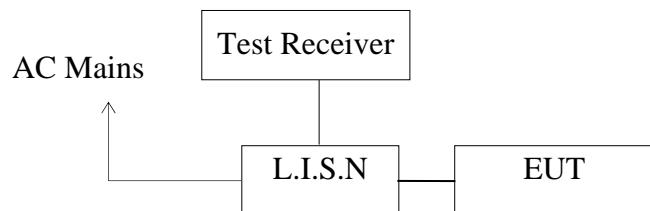
## 5. TEST PROCEDURES AND RESULTS

FCC Rules	Description of Test	Result
Section 15.247(a)(2)	6dB Bandwidth Test	refer to the original report
Section 15.247(e)	Power Spectral Density Test	refer to the original report
Section 15.247(b)(3)	Maximum Peak Output Power Test	refer to the original report
Section 15.247(d)	Band Edge Compliance Test	refer to the original report
Section 15.247(d) Section 15.209	Radiated Spurious Emission Test	refer to the original report(Above 1GHz test data)
Section 15.207	AC Power Line Conducted Emission Test	Compliant
Section 15.203	Antenna Requirement	refer to the original report

## 6. POWER LINE CONDUCTED MEASUREMENT

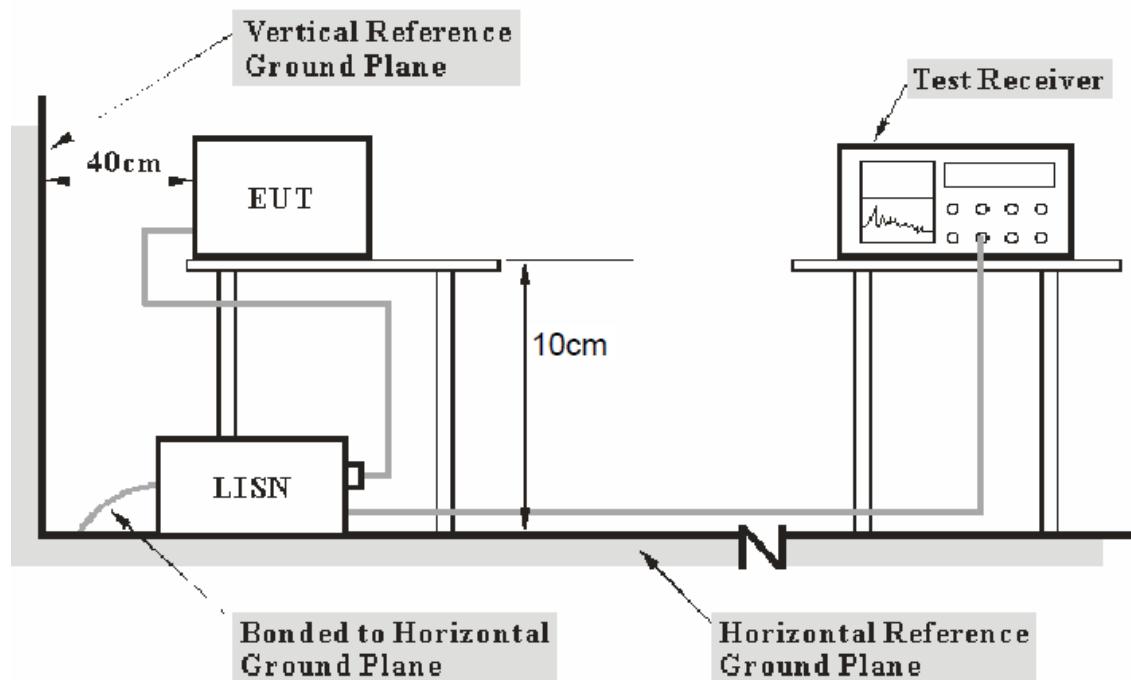
### 6.1. Block Diagram of Test Setup

#### 6.1.1. Block diagram of connection between the EUT and simulators



(EUT: Massage Chair)

#### 6.1.2. Test System Setup



**Note:**

1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 10cm from other units and other metal planes support units.

## 6.2. Power Line Conducted Emission Measurement Limits

Frequency (MHz)	Limit dB( $\mu$ V)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 – 56.0 *	56.0 – 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

NOTE1: The lower limit shall apply at the transition frequencies.  
NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

## 6.3. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

## 6.4. Operating Condition of EUT

6.4.1. Setup the EUT and simulator as shown as Section 6.1.

6.4.2. Turn on the power of all equipment.

6.4.3. Let the EUT work in test mode and measure it.

## 6.5. Test Procedure

The EUT is put on the plane 0.1 m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9KHz.

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

## 6.6.Data Sample

Frequency (MHz)	Transducer value (dB)	QuasiPeak Level (dB $\mu$ V)	Average Level (dB $\mu$ V)	QuasiPeak Limit (dB $\mu$ V)	Average Limit (dB $\mu$ V)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
X.XX	11.1	34.4	31.2	56.0	46.0	21.6	14.8	Pass

Frequency(MHz) = Emission frequency in MHz

Transducer value(dB) = Insertion loss of LISN + Cable Loss

Level(dB $\mu$ V) = Quasi-peak Reading/Average Reading + Transducer value

Limit (dB $\mu$ V) = Limit stated in standard

Margin = Limit (dB $\mu$ V) - Level (dB $\mu$ V)

Calculation Formula:

Margin = Limit (dB $\mu$ V) - Level (dB $\mu$ V)

## 6.7.Power Line Conducted Emission Measurement Results

**PASS.**

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

Maximizing procedure was performed on the six (6) highest emissions of the EUT, Emissions attenuated more than 20 dB below the permissible value are not reported.

All data was recorded in the Quasi-peak and average detection mode.

The spectral diagrams are attached as below.

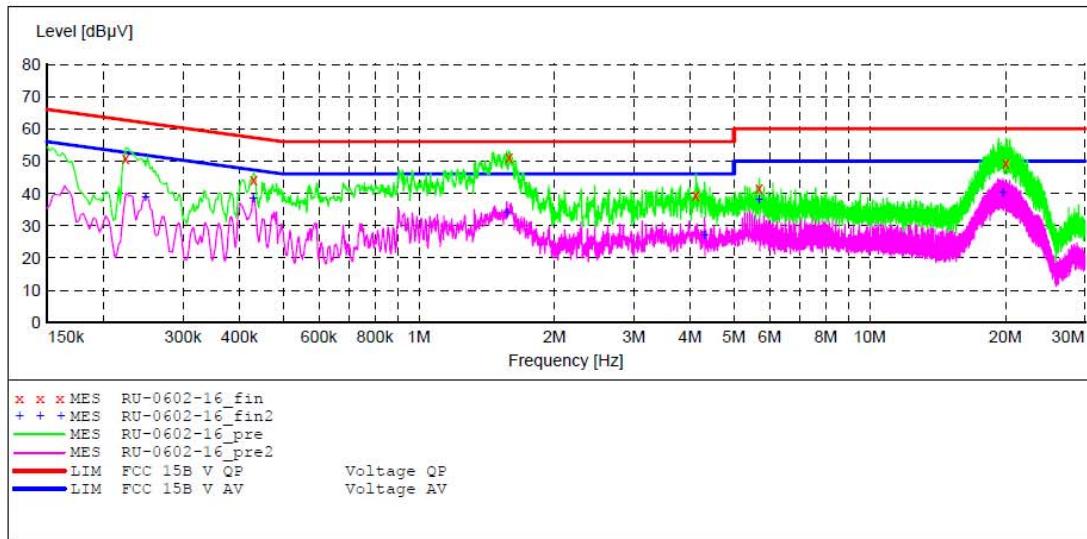
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Massage Chair M/N:EC-624H  
 Manufacturer: COMFORT  
 Operating Condition: BT communication  
 Test Site: 2#Shielding Room  
 Operator: DING  
 Test Specification: L 120V/60Hz  
 Comment: Report NO.:ATE20171243  
 Start of Test: 2017-12-6 / 19:11:24

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

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



## MEASUREMENT RESULT: "RU-0602-16\_fin"

2017-12-6 19:13

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.224000	51.00	10.5	63	11.7	QP	L1	GND
0.430000	44.10	10.6	57	13.2	QP	L1	GND
1.586000	51.10	10.9	56	4.9	QP	L1	GND
4.120000	39.40	11.0	56	16.6	QP	L1	GND
5.690000	41.80	11.1	60	18.2	QP	L1	GND
20.055000	49.50	11.3	60	10.5	QP	L1	GND

## MEASUREMENT RESULT: "RU-0602-16\_fin2"

2017-12-6 19:13

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.248000	39.00	10.5	52	12.8	AV	L1	GND
0.430000	38.80	10.6	47	8.5	AV	L1	GND
1.568000	34.20	10.8	46	11.8	AV	L1	GND
4.300000	27.50	11.0	46	18.5	AV	L1	GND
5.690000	38.50	11.1	50	11.5	AV	L1	GND
19.735000	40.40	11.3	50	9.6	AV	L1	GND

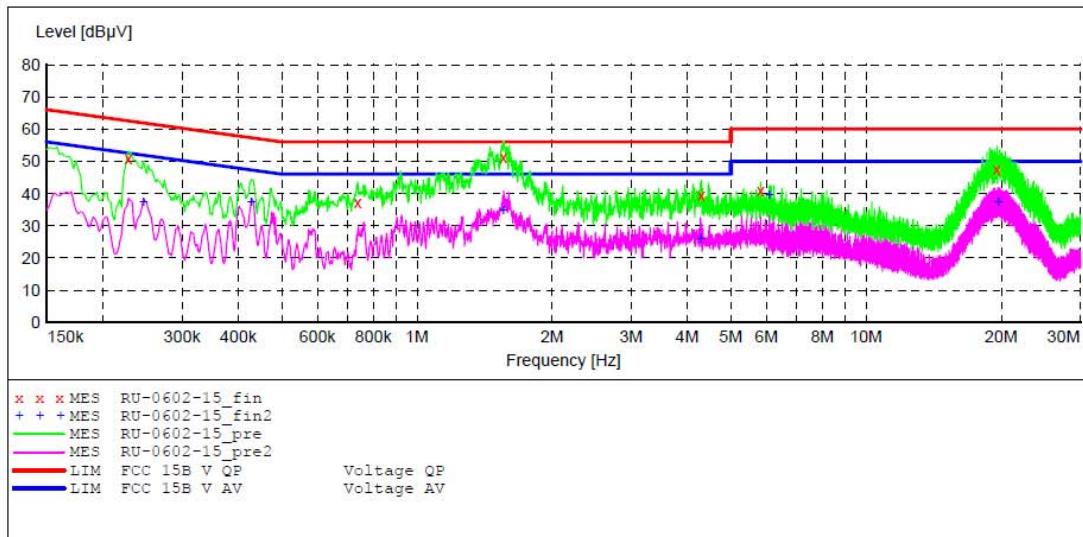
ACCURATE TECHNOLOGY CO., LTD

## CONDUCTED EMISSION STANDARD FCC PART 15B

EUT: Massage Chair M/N:EC-624H  
 Manufacturer: COMFORT  
 Operating Condition: BT communication  
 Test Site: 2#Shielding Room  
 Operator: DING  
 Test Specification: N 120V/60Hz  
 Comment: Report NO.:ATE20171243  
 Start of Test: 2017-12-6 / 19:09:08

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

Short Description: - SUB\_STD\_VTERM2 1.70  
 Start Stop Step - Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



## MEASUREMENT RESULT: "RU-0602-15\_fin"

2017-12-6 19:10

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.228000	51.00	10.5	63	11.5	QP	N	GND
0.738000	37.30	10.7	56	18.7	QP	N	GND
1.560000	51.20	10.8	56	4.8	QP	N	GND
4.300000	39.60	11.0	56	16.4	QP	N	GND
5.825000	40.80	11.1	60	19.2	QP	N	GND
19.560000	47.60	11.3	60	12.4	QP	N	GND

## MEASUREMENT RESULT: "RU-0602-15\_fin2"

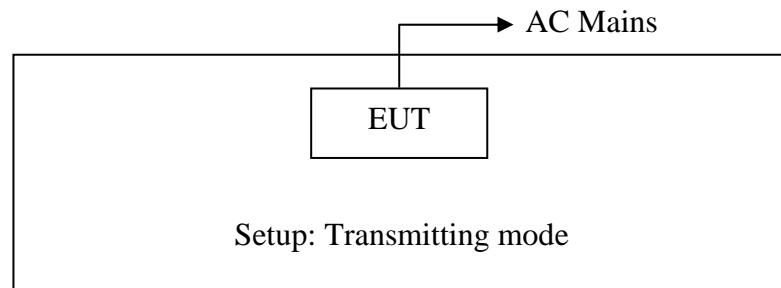
2017-12-6 19:10

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.246000	37.80	10.5	52	14.1	AV	N	GND
0.428000	37.70	10.6	47	9.6	AV	N	GND
1.560000	34.90	10.8	46	11.1	AV	N	GND
4.280000	26.10	11.0	46	19.9	AV	N	GND
6.095000	39.70	11.1	50	10.3	AV	N	GND
19.675000	37.70	11.3	50	12.3	AV	N	GND

## 7. RADIATED SPURIOUS EMISSION TEST

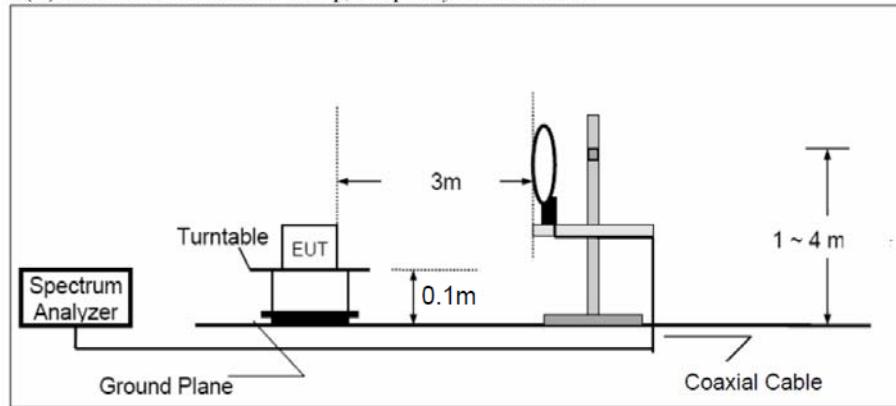
### 7.1. Block Diagram of Test Setup

#### 7.1.1. Block diagram of connection between the EUT and peripherals

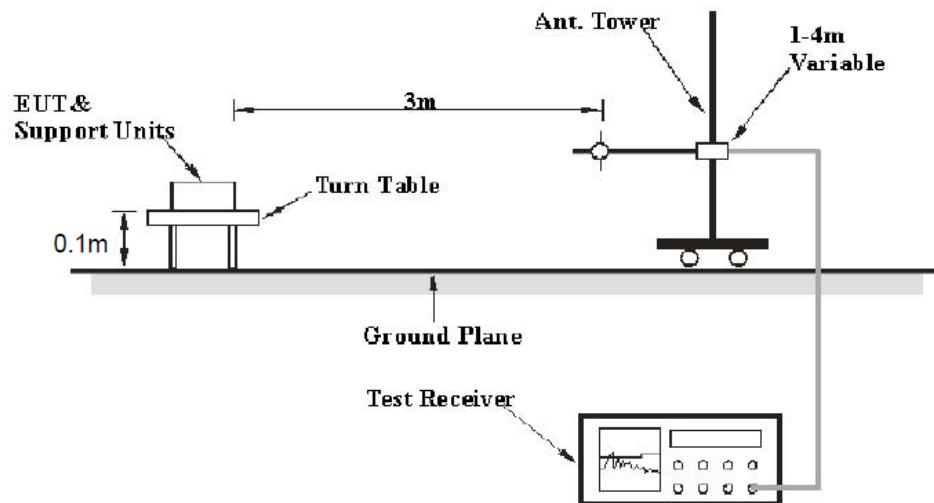


#### 7.1.2. Semi-Anechoic Chamber Test Setup Diagram

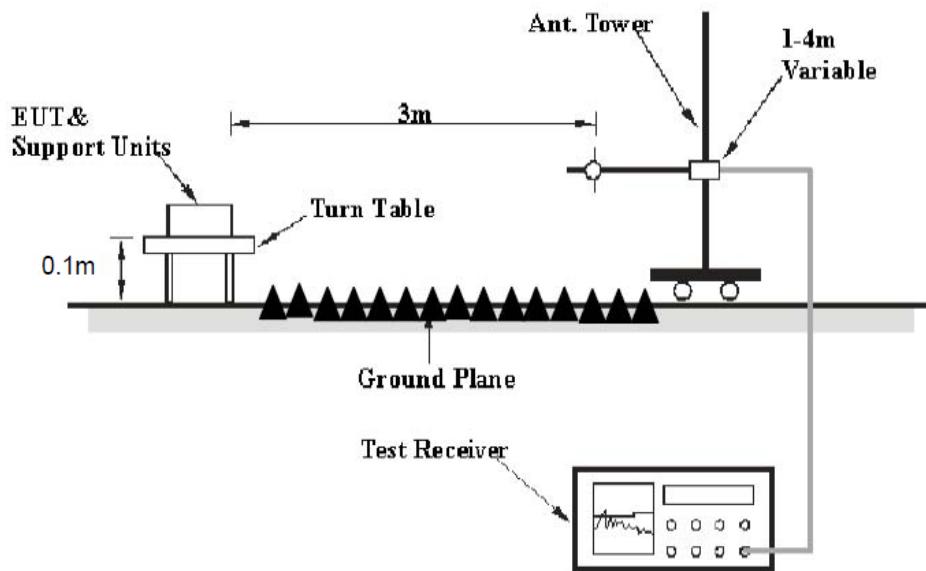
(A) Radiated Emission Test Set-Up, Frequency below 30MHz



(B) Radiated Emission Test Set-Up, Frequency 30MHz-1GHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



## 7.2.The Limit For Section 15.247(d)

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

## 7.3. Restricted bands of operation

### 7.3.1. FCC Part 15.205 Restricted bands of operation

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

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

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510

<sup>2</sup>Above 38.6

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

## 7.4. Configuration of EUT on Measurement

The equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 7.5. Operating Condition of EUT

7.5.1. Setup the EUT and simulator as shown as Section 7.1.

7.5.2. Turn on the power of all equipment.

7.5.3. Let the EUT work in TX modes measure it. The transmit frequency are 2402-2480MHz. We select 2402MHz, 2440MHz, and 2480MHz TX frequency to transmit.

## 7.6. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.1 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

## 7.7.Data Sample

Frequency (MHz)	Reading (dB $\mu$ V)	Factor (dB/m)	Result (dB $\mu$ V/m)	Limit (dB $\mu$ V/m)	Margin (dB)	Remark
X.XX	48.69	-13.35	35.34	46	-10.66	QP

Frequency(MHz) = Emission frequency in MHz

Reading(dB $\mu$ V) = Uncorrected Analyzer/Receiver reading

Factor (dB/m) = Antenna factor + Cable Loss – Amplifier gain

Result(dB $\mu$ V/m) = Reading(dB $\mu$ V) + Factor(dB/m)

Limit (dB $\mu$ V/m) = Limit stated in standard

Margin (dB) = Result(dB $\mu$ V/m) - Limit (dB $\mu$ V/m)

QP = Quasi-peak Reading

Calculation Formula:

Margin(dB) = Result (dB $\mu$ V/m)–Limit(dB $\mu$ V/m)

Result(dB $\mu$ V/m)= Reading(dB $\mu$ V)+ Factor(dB/m)

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

## 7.8.The Field Strength of Radiation Emission Measurement Results

**PASS.**

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

**2. \*: Denotes restricted band of operation.**

**3. The radiation emissions from 9kHz-30MHz and 18-26.5GHz are not reported, because the test values lower than the limits of 20dB.**

**4. Above 1GHz test data please refer to the original report.**

## Below 1GHz



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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: comfort #399

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/12/07

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 12/12/10

EUT: Massage Chair

Engineer Signature:

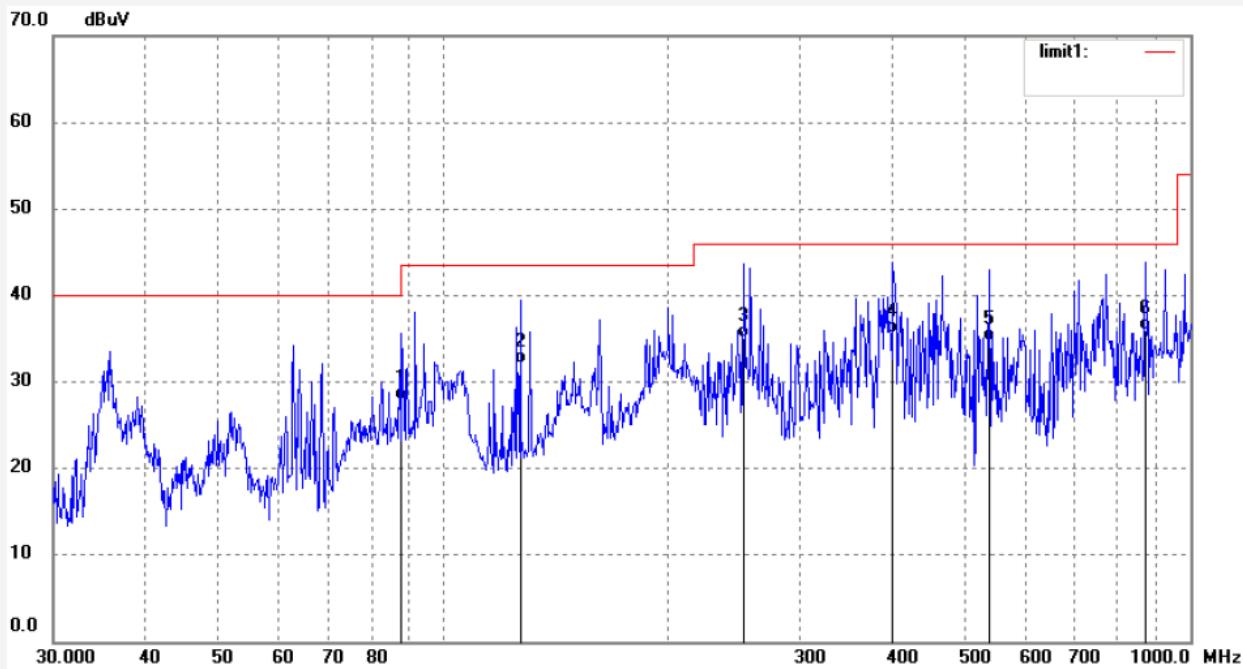
Mode: TX 2402MHz

Distance: 3m

Model: EC-624H

Manufacturer: COMFORT

Note: Report No.:ATE20171243



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.9136	50.10	-22.14	27.96	40.00	-12.04	QP			
2	126.6931	53.67	-21.60	32.07	43.50	-11.43	QP			
3	252.2521	53.22	-18.05	35.17	46.00	-10.83	QP			
4	399.6981	49.57	-13.98	35.59	46.00	-10.41	QP			
5	538.8106	46.14	-11.37	34.77	46.00	-11.23	QP			
6	871.9442	40.66	-4.67	35.99	46.00	-10.01	QP			



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Site: 1# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: comfort #400

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/12/07/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 12/13/04

EUT: Massage Chair

Engineer Signature:

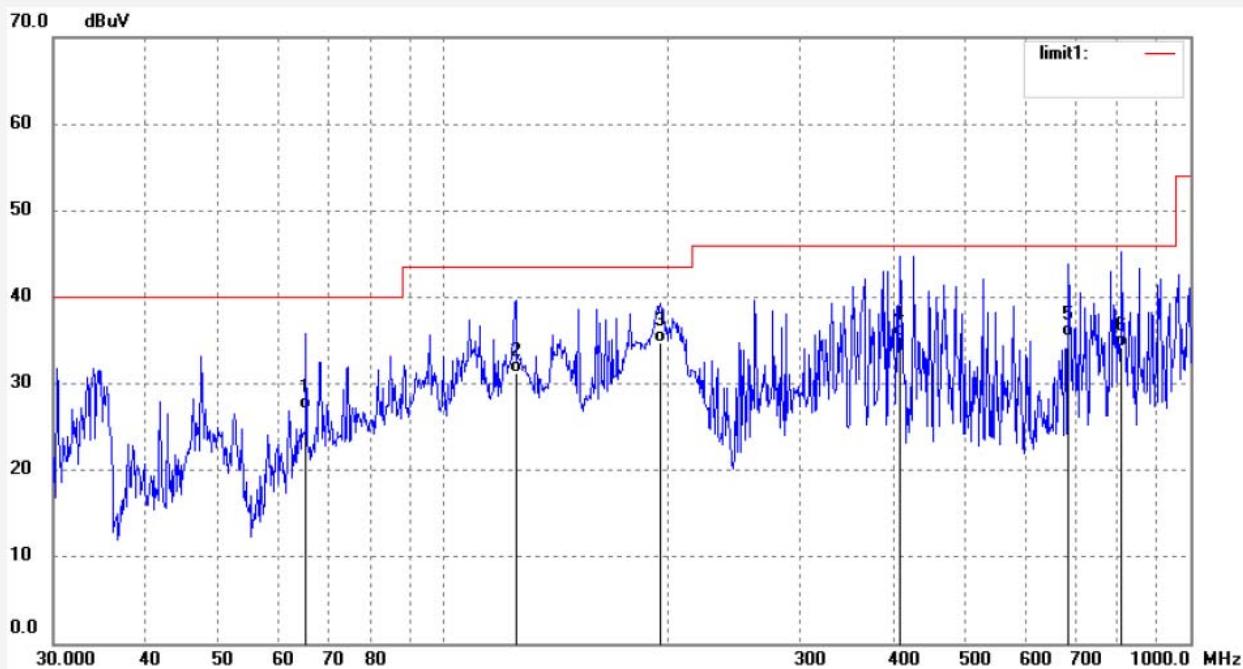
Mode: TX 2402MHz

Distance: 3m

Model: EC-624H

Manufacturer: COMFORT

Note: Report No.:ATE20171243



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	65.4448	49.68	-22.70	26.98	40.00	-13.02	QP			
2	124.9248	52.70	-21.54	31.16	43.50	-12.34	QP			
3	195.1827	53.63	-18.96	34.67	43.50	-8.83	QP			
4	408.2137	49.22	-13.85	35.37	46.00	-10.63	QP			
5	686.6340	43.58	-8.20	35.38	46.00	-10.62	QP			
6	809.9238	40.00	-5.72	34.28	46.00	-11.72	QP			



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Site: 1# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: comfort #402

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/12/07/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14:32:45

EUT: Massage Chair

Engineer Signature:

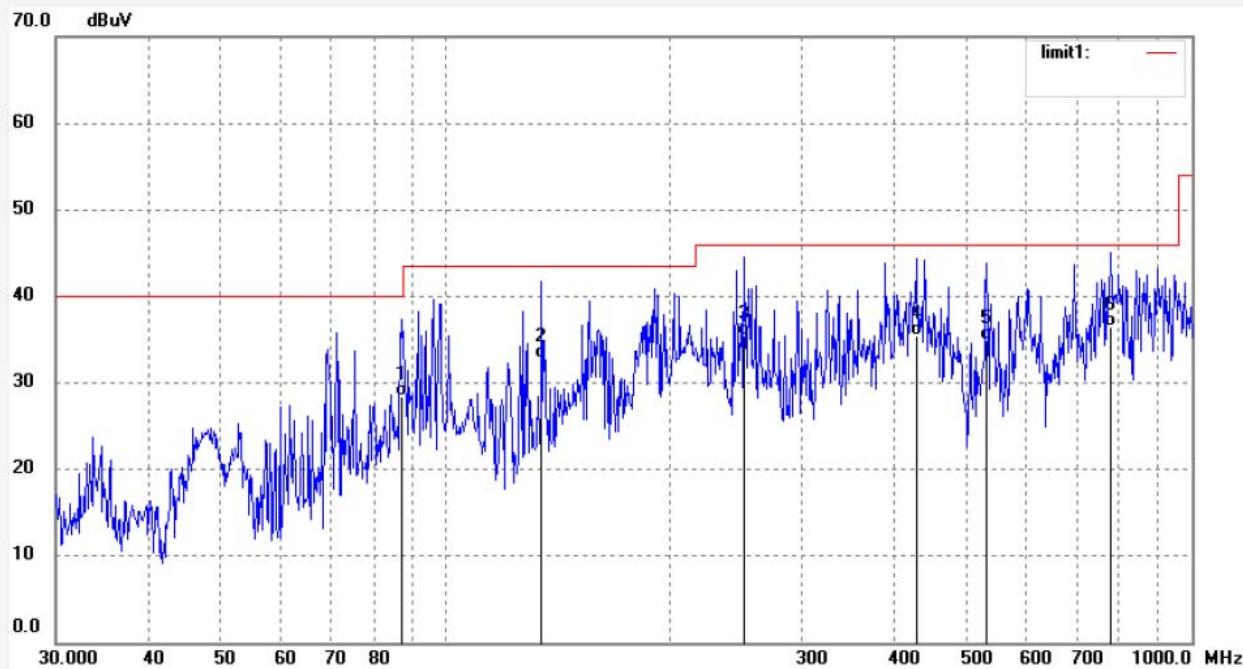
Mode: TX 2440MHz

Distance: 3m

Model: EC-624H

Manufacturer: COMFORT

Note: Report No.:ATE20171243



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.2980	50.69	-22.20	28.49	40.00	-11.51	QP			
2	134.4910	54.69	-21.90	32.79	43.50	-10.71	QP			
3	251.3676	53.62	-18.10	35.52	46.00	-10.48	QP			
4	427.2918	49.11	-13.59	35.52	46.00	-10.48	QP			
5	531.2910	46.52	-11.53	34.99	46.00	-11.01	QP			
6	779.2178	42.70	-6.25	36.45	46.00	-9.55	QP			



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Site: 1# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: comfort #401

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/12/07/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 12/20/32

EUT: Massage Chair

Engineer Signature:

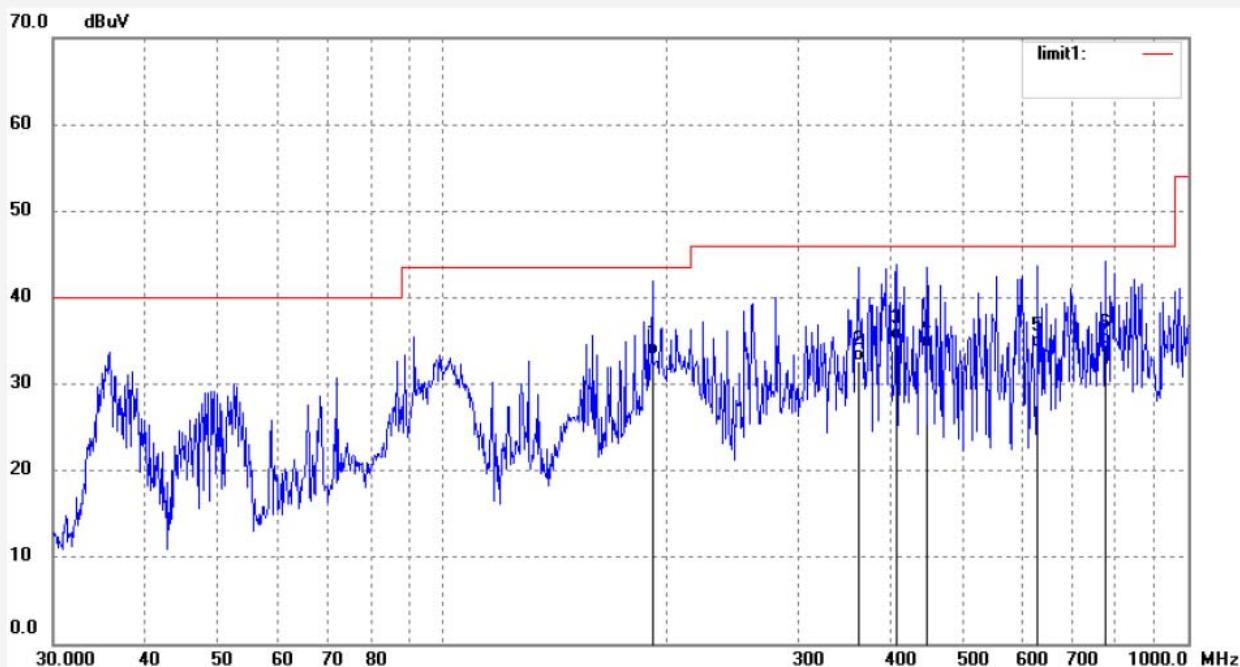
Mode: TX 2440MHz

Distance: 3m

Model: EC-624H

Manufacturer: COMFORT

Note: Report No.:ATE20171243



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	191.1114	52.69	-19.35	33.34	43.50	-10.16	QP			
2	360.9775	46.87	-14.29	32.58	46.00	-13.42	QP			
3	406.7819	48.90	-13.88	35.02	46.00	-10.98	QP			
4	447.2619	47.25	-13.06	34.19	46.00	-11.81	QP			
5	628.8935	43.58	-9.30	34.28	46.00	-11.72	QP			
6	773.7612	41.00	-6.35	34.65	46.00	-11.35	QP			



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Site: 1# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: comfort #404

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/12/07/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14:42:52

EUT: Massage Chair

Engineer Signature:

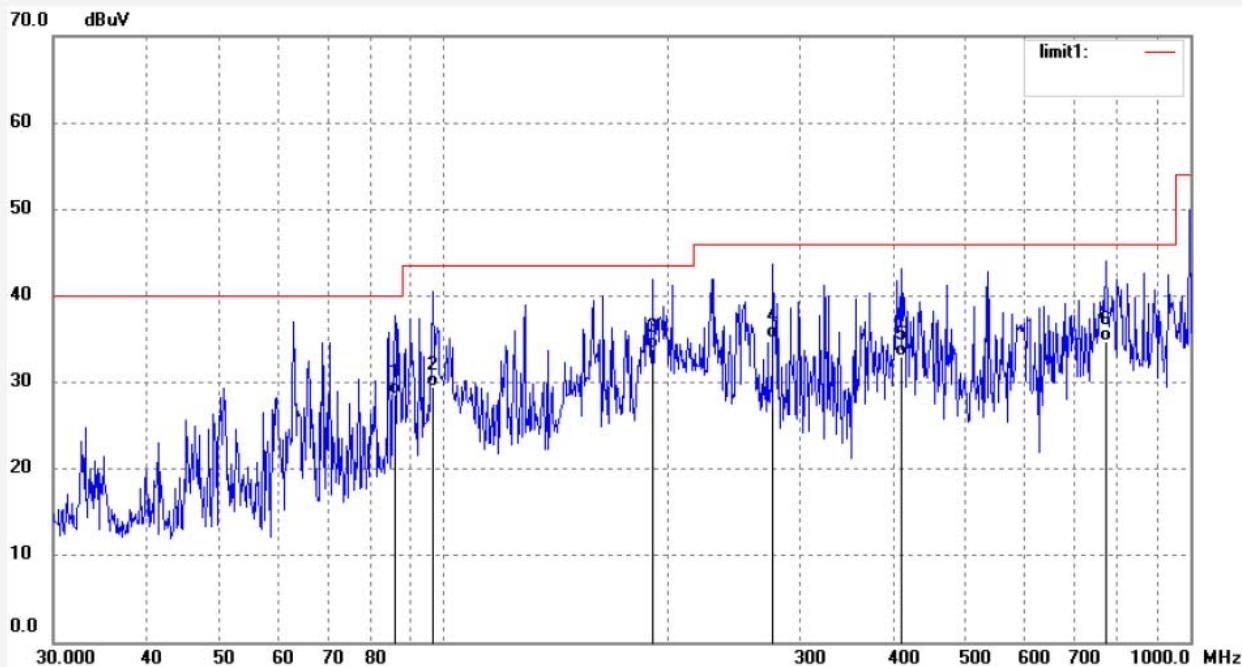
Mode: TX 2480MHz

Distance: 3m

Model: EC-624H

Manufacturer: COMFORT

Note: Report No.:ATE20171243



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	86.0794	50.99	-22.32	28.67	40.00	-11.33	QP			
2	96.6620	51.00	-21.55	29.45	43.50	-14.05	QP			
3	190.4411	53.22	-19.41	33.81	43.50	-9.69	QP			
4	276.3817	52.06	-16.91	35.15	46.00	-10.85	QP			
5	409.6505	46.80	-13.82	32.98	46.00	-13.02	QP			
6	771.0475	41.10	-6.39	34.71	46.00	-11.29	QP			



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Site: 1# Chamber  
Tel:+86-0755-26503290  
Fax:+86-0755-26503396

Job No.: comfort #403

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: AC 120V/60Hz

Test item: Radiation Test

Date: 17/12/07/

Temp.( C)/Hum.(%) 25 C / 55 %

Time: 14:34:43

EUT: Massage Chair

Engineer Signature:

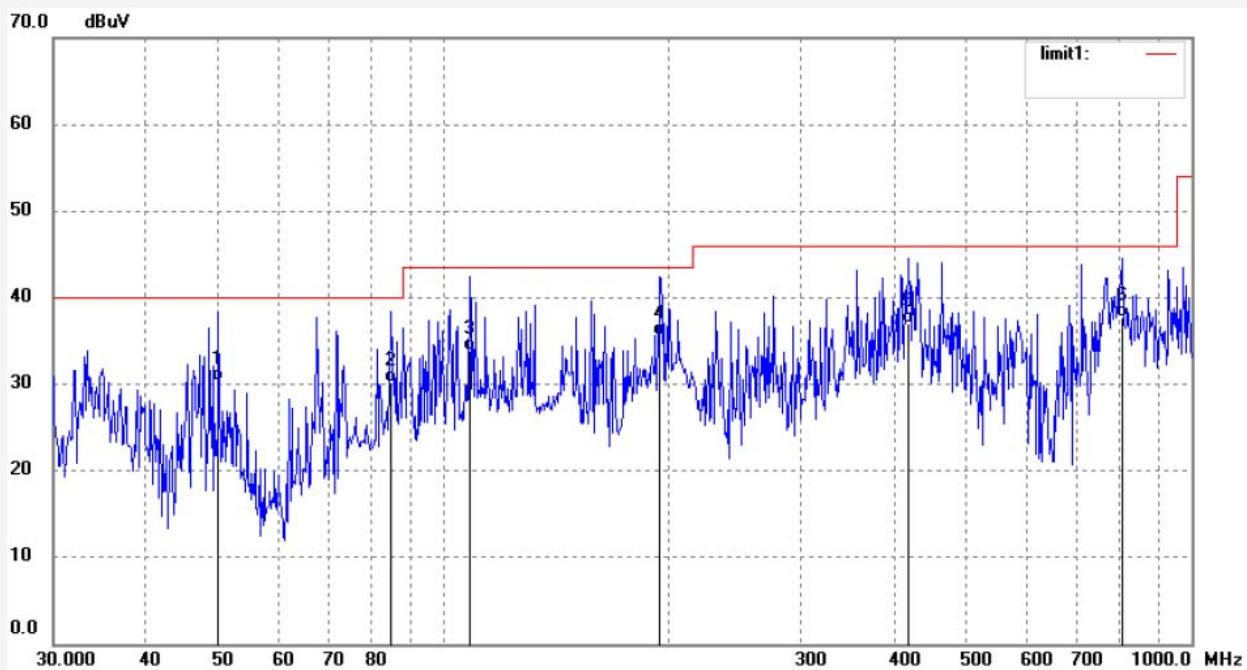
Mode: TX 2480MHz

Distance: 3m

Model: EC-624H

Manufacturer: COMFORT

Note: Report No.:ATE20171243



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	49.9322	51.00	-20.70	30.30	40.00	-9.70	QP			
2	84.8782	52.69	-22.44	30.25	40.00	-9.75	QP			
3	108.1645	55.19	-21.36	33.83	43.50	-9.67	QP			
4	194.4985	54.62	-19.02	35.60	43.50	-7.90	QP			
5	418.3783	50.82	-13.72	37.10	46.00	-8.90	QP			
6	809.9238	43.50	-5.72	37.78	46.00	-8.22	QP			

----- THE END OF TEST REPORT -----