

FCC CERTIFICATION  
On Behalf of  
Lamko Group International Limited

Wireless Hands-Free Car Kit  
Model No.: LK-168C

FCC ID: TGH76168C

Prepared for : Lamko Group International Limited  
Address : Room 36A, 36<sup>th</sup> Floor, Towers 2, Richard Tower, No.288  
Hengfu Rd., Guangzhou City, Guangdong, P.R.China  
Prepared by : ACCURATE TECHNOLOGY CO. LTD  
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Report Number : ATE20051071  
Date of Test : July 4-8, 2005  
Date of Report : July 11, 2005

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## Test Report Certification

Applicant : Lamko Group International Limited  
 Manufacturer : Lamko Group International Limited  
 EUT Description : Wireless Hands-Free Car Kit  
                   (A) MODEL NO.: LK-168C  
                   (B) SERIAL NO.: N/A  
                   (C) POWER SUPPLY: DC 12V (Power by battery)

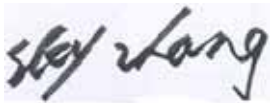
Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.239: 2004  
 & ANSI C63.4: 2003

The device described above is tested by 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 15.239 limits. The measurement results are contained in this test report and 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 ACCURATE TECHNOLOGY CO. LTD.

Date of Test : July 4-8, 2005

Prepared by :   
 (Engineer)

Reviewer :   
 (Quality Manager)

Approved & Authorized Signer :   
 (Manager)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

EUT : Wireless Hands-Free Car Kit

Model Number : LK-168C

Power Supply : DC 12V (Power by battery)

Applicant : Lamko Group International Limited  
Address : Room 36A, 36<sup>th</sup> Floor, Towers 2, Richard Tower, No.288  
Hengfu Rd., Guangzhou City, Guangdong, P.R.China

Manufacturer : Lamko Group International Limited  
Address : Room 36A, 36<sup>th</sup> Floor, Towers 2, Richard Tower, No.288  
Hengfu Rd., Guangzhou City, Guangdong, P.R.China

Date of sample received : July 1, 2005  
Date of Test : July 4-8, 2005

## 1.2. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen, May 10, 2004  
Accredited by FCC, May 10, 2004  
The Certificate Registration Number is 253065  
Accredited by Industry Canada, May 18, 2004  
The Certificate Registration Number is IC 5077

Name of Firm : ACCURATE TECHNOLOGY CO. LTD  
Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.  
Science & Industry Park, Nanshan, Shenzhen, Guangdong  
P.R. China

## 1.3. Measurement Uncertainty

Conducted Emission Uncertainty =  $\pm 2.66\text{dB}$

Radiated Emission Uncertainty =  $\pm 4.26\text{dB}$

## 2. MEASURING DEVICE AND TEST EQUIPMENT

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

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	01.02.2006
EMI Test Receiver	Rohde&Schwarz	ESI26	838786/013	01.02.2006
Bilog Antenna	Schwarzbeck	VULB9163	9163-194	01.02.2006
Horn Antenna	Rohde&Schwarz	HF906	100013	01.02.2006
Spectrum Analyzer	Anritsu	MS2651B	6200238856	01.02.2006
Pre-Amplifier	Agilent	8447D	2944A10619	01.02.2006
Signal Generator	GW	GAG-810	0913317	01.02.2006

### 3. RADIATED EMISSION FOR FCC PART 15 SECTION 15.239(C)

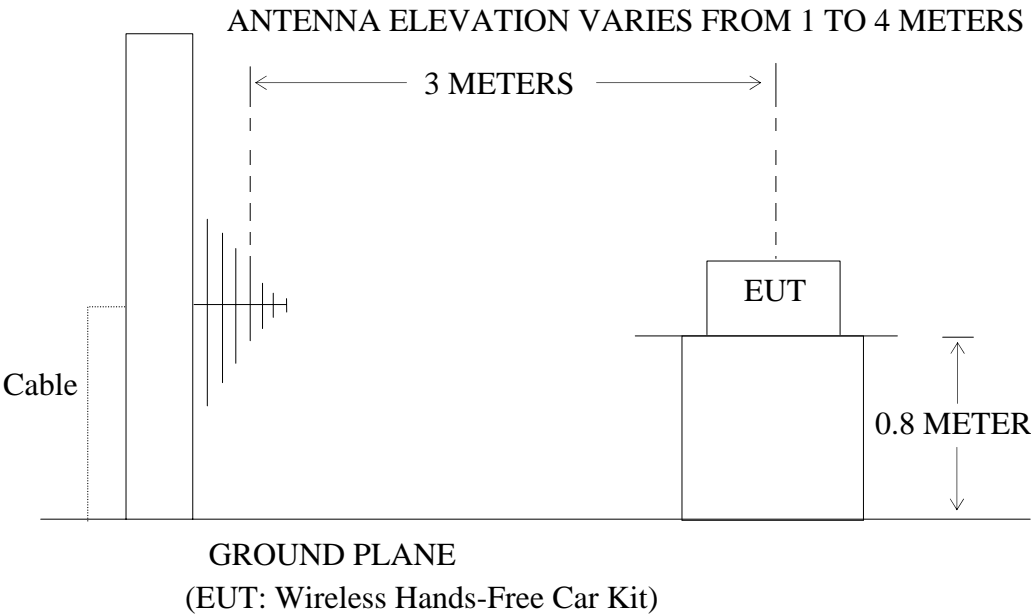
#### 3.1. Block Diagram of Test Setup

3.1.1. Block diagram of connection between the EUT and simulators



(EUT: Wireless Hands-Free Car Kit)

#### 3.1.2. Anechoic Chamber Test Setup Diagram



#### 3.2. The Emission Limit for section 15.239(c)

3.2.1 The field strength of any emissions radiated on any frequency outside of the specified 200kHz band shall not exceed the general radiated emission limits in section 15.209

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit,		The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBμV/m)	
30 - 88	100	40	
88 - 216	150	43.5	

216 - 960	200	46	frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
Above 960	500	54	

### 3.3.Configuration of EUT on Measurement

The following 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.

#### 3.3.1. Wireless Hands-Free Car Kit (EUT)

Model Number : LK-168C  
 Serial Number : N/A  
 Manufacturer : Lamko Group International Limited

### 3.4.Operating Condition of EUT

3.4.1. Setup the EUT and simulator as shown as Section 3.1.

3.4.2. Turn on the power of all equipment.

3.4.3. Let the EUT work in TX modes (On with signal input) measure it. The transmit frequency are 88.1, 107.1, 107.9MHz. Because EUT have two signal input port (phone port and MP3 port) So, we prepare two test mode:

Mode A: phone port input signal  
 Mode B: MP3 port input signal

### 3.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 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 bilog 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 interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver (R&S ESI26) is set at 120KHz in 30-1000MHz.

The frequency range from 30MHz to 1000MHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

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

**PASS.**

Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX 88.1MHz    Mode: A	Test Engineer:	Andy

Polarization	Frequency MHz	Emission Level dBµV/m QP	Limits dBµV/m	Margin dBµV/m
Horizontal	176.2	40.2	43.5	3.3
Horizontal	264.3	41.6	46	4.4
Horizontal	352.4	42.9	46	3.1
Horizontal	440.5	40.0	46	6
Horizontal	528.6	32.2	46	13.8
Horizontal	616.7	34.5	46	11.5
Horizontal	704.8	40.2	46	5.8
Horizontal	792.9	33.9	46	12.1
Horizontal	881.0	30.3	46	15.7
Vertical	176.2	39.0	43.5	4.5
Vertical	264.3	42.8	46	3.2
Vertical	352.4	41.7	46	4.3
Vertical	440.5	32.3	46	13.7
Vertical	528.6	32.5	46	13.5
Vertical	616.7	31.3	46	14.7
Vertical	704.8	36.1	46	9.9
Vertical	792.9	30.3	46	15.7
Vertical	881.0	29.2	46	16.8

The spectral diagrams in appendix I display the measurement of un-weighted peak values.



Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX 107.1MHz	Mode: A	Test Engineer: Andy

Polarization	Frequency MHz	Emission Level dBμV/m QP	Limits dBμV/m	Margin dBμV/m
Horizontal	214.2	40.4	43.5	3.1
Horizontal	321.3	43.4	46	2.6
Horizontal	428.4	40.3	46	5.7
Horizontal	535.5	37.3	46	8.7
Horizontal	642.6	39.3	46	6.7
Horizontal	749.7	38.0	46	8
Horizontal	856.8	30.7	46	15.3
Horizontal	963.9	*	54	*
Horizontal	1071.0	*	54	*
Vertical	214.2	40.3	43.5	3.2
Vertical	321.3	40.9	46	5.1
Vertical	428.4	43.2	46	2.8
Vertical	535.5	39.7	46	6.3
Vertical	642.6	42.5	46	3.5
Vertical	749.7	36.4	46	9.6
Vertical	856.8	30.5	46	15.5
Vertical	963.9	*	54	*
Vertical	1071.0	*	54	*

**\* Disturbances are small or not detectable.**

The spectral diagrams in appendix I display the measurement of un-weighted peak values.

Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX 107.9MHz      Mode: A	Test Engineer:	Andy

Polarization	Frequency MHz	Emission Level dBμV/m QP	Limits dBμV/m	Margin dBμV/m
Horizontal	215.8	40.1	43.5	3.4
Horizontal	323.7	42.3	46	3.7
Horizontal	431.6	39.7	46	6.3
Horizontal	539.5	34.1	46	11.9
Horizontal	647.4	38.0	46	8
Horizontal	755.3	38.3	46	7.7
Horizontal	863.2	32.3	46	13.7
Horizontal	971.1	*	54	*
Horizontal	1079.0	*	54	*
Vertical	215.8	40.3	43.5	3.2
Vertical	323.7	36.3	46	9.7
Vertical	431.6	39.0	46	7
Vertical	539.5	33.7	46	12.3
Vertical	647.4	31.0	46	15
Vertical	755.3	35.6	46	10.4
Vertical	863.2	32.5	46	13.5
Vertical	971.1	*	54	*
Vertical	1079.0	*	54	*

**\* Disturbances are small or not detectable.**

The spectral diagrams in appendix I display the measurement of un-weighted peak values.

Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX 88.1MHz    Mode: B	Test Engineer:	Andy

Polarization	Frequency MHz	Emission Level dBμV/m QP	Limits dBμV/m	Margin dBμV/m
Horizontal	176.2	39.8	43.5	3.7
Horizontal	264.3	40.0	46	6
Horizontal	352.4	43.5	46	2.5
Horizontal	440.5	36.8	46	9.2
Horizontal	528.6	30.7	46	15.3
Horizontal	616.7	33.0	46	13
Horizontal	704.8	41.0	46	5
Horizontal	792.9	32.5	46	13.5
Horizontal	881.0	29.8	46	16.2
Vertical	176.2	39.1	43.5	4.4
Vertical	264.3	41.8	46	4.2
Vertical	352.4	40.6	46	5.4
Vertical	440.5	29.9	46	16.1
Vertical	528.6	30.7	46	15.3
Vertical	616.7	28.2	46	17.8
Vertical	704.8	39.8	46	6.2
Vertical	792.9	30.4	46	15.6
Vertical	881.0	28.9	46	17.1

The spectral diagrams in appendix I display the measurement of un-weighted peak values.

Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX 107.1MHz      Mode: B	Test Engineer:	Andy

Polarization	Frequency MHz	Emission Level dBμV/m QP	Limits dBμV/m	Margin dBμV/m
Horizontal	214.2	39.1	43.5	4.4
Horizontal	321.3	43.7	46	2.3
Horizontal	428.4	40.1	46	5.9
Horizontal	535.5	37.3	46	8.7
Horizontal	642.6	37.2	46	8.8
Horizontal	749.7	38.8	46	7.2
Horizontal	856.8	31.8	46	14.2
Horizontal	963.9	*	54	*
Horizontal	1071.0	*	54	*
Vertical	214.2	40.3	43.5	3.2
Vertical	321.3	40.5	46	5.5
Vertical	428.4	43.7	46	2.3
Vertical	535.5	40.8	46	5.2
Vertical	642.6	43.1	46	2.9
Vertical	749.7	38.2	46	7.8
Vertical	856.8	30.3	46	15.7
Vertical	963.9	*	54	*
Vertical	1071.0	*	54	*

**\* Disturbances are small or not detectable.**

The spectral diagrams in appendix I display the measurement of un-weighted peak values.

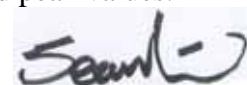
Date of Test:	<u>July 4-8, 2005</u>	Temperature:	<u>22°C</u>
EUT:	<u>Wireless Hands-Free Car Kit</u>	Humidity:	<u>50%</u>
Model No.:	<u>LK-168C</u>	Power Supply:	<u>12V DC</u>
Test Mode:	<u>TX 107.9MHz      Mode: B</u>	Test Engineer:	<u>Andy</u>

Polarization	Frequency MHz	Emission Level dBμV/m QP	Limits dBμV/m	Margin dBμV/m
Horizontal	215.8	40.1	43.5	3.4
Horizontal	323.7	42.2	46	3.8
Horizontal	431.6	35.0	46	11
Horizontal	539.5	35.7	46	10.3
Horizontal	647.4	41.2	46	4.8
Horizontal	755.3	37.4	46	8.6
Horizontal	863.2	32.5	46	13.5
Horizontal	971.1	*	54	*
Horizontal	1079.0	*	54	*
Vertical	215.8	40.3	43.5	3.2
Vertical	323.7	33.0	46	13
Vertical	431.6	40.8	46	5.2
Vertical	539.5	41.3	46	4.7
Vertical	647.4	38.3	46	7.7
Vertical	755.3	38.1	46	7.9
Vertical	863.2	31.7	46	14.3
Vertical	971.1	*	54	*
Vertical	1079.0	*	54	*

**\* Disturbances are small or not detectable.**

The spectral diagrams in appendix I display the measurement of un-weighted peak values.

Reviewer :



## 4. FUNDAMENTAL RADIATED EMISSION FOR FCC PART 15

### SECTION 15.239(B)

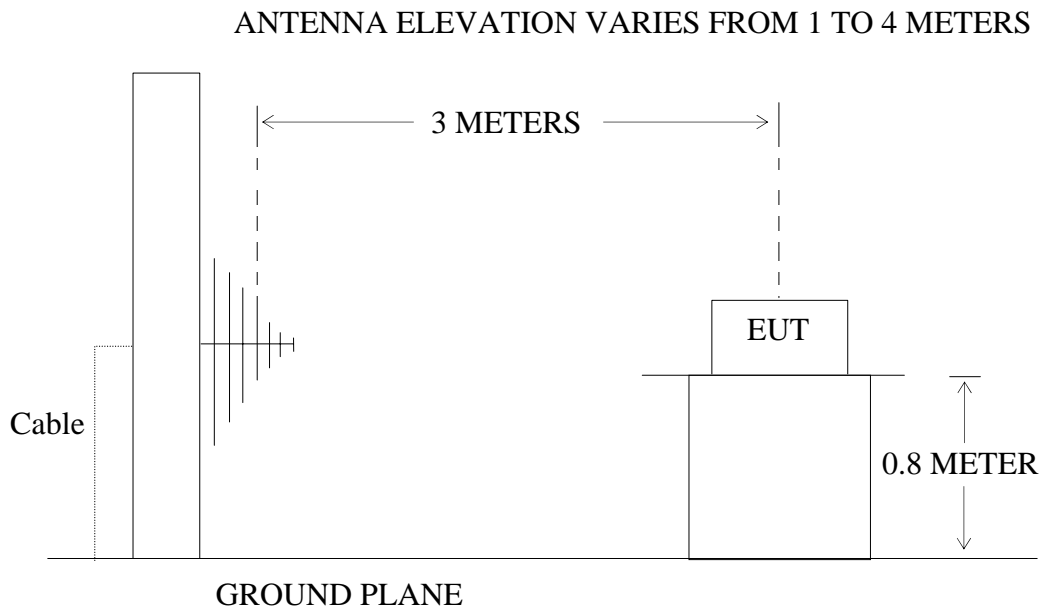
#### 4.1. Block Diagram of Test Setup

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



(EUT: Wireless Hands-Free Car Kit)

##### 4.1.2. Anechoic Chamber Test Setup Diagram



(EUT: Wireless Hands-Free Car Kit)

#### 4.2. The Emission Limit For Section 15.239(b)

4.2.1 The field strength of any emission within the permitted 200kHz band shall not exceed 250microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in section 15.35 for limiting peak emissions apply.

### 4.3.EUT Configuration on Measurement

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

#### 4.3.1. Wireless Hands-Free Car Kit (EUT)

Model Number : LK-168C  
Serial Number : N/A  
Manufacturer : Lamko Group International Limited

### 4.4.Operating Condition of EUT

4.4.1.Setup the EUT and simulator as shown as Section 4.1.

4.4.2.Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes(On with signal input) measure it. The transmit frequency are 88.1, 107.1, 107.9MHz. Because EUT have two signal input port (phone port and MP3 port) So, we prepare two test mode:

Mode A: phone port input signal

Mode B: MP3 port input signal

### 4.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 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 bilog 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 interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

## 4.6.The Emission Measurement Result

**PASS.**

Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX Mode: A	Test Engineer:	Andy

**Fundamental Radiated Emissions**

Test conditions		Fundamental Frequency	
		88.1MHz	
T <sub>nom</sub> (22°C)	Unit	(dBμV/m)/ ( μ V/m) AV	(dBμV/m)/( μ V/m) PEAK
	Horizontal	42.6/135	45.6/191
	Vertical	41.6/120	44.6/170
limit		48/250	68/2500
Note: Measurement was performed with modulated signal with average detector and peak detector.			

Test conditions		Fundamental Frequency	
		107.1MHz	
T <sub>nom</sub> (22°C)	Unit	(dBμV/m)/ ( μ V/m) AV	(dBμV/m)/( μ V/m) PEAK
	Horizontal	40.2/102	43.1/143
	Vertical	41.5/119	44.5/168
limit		48/250	68/2500
Note: Measurement was performed with modulated signal with average detector and peak detector.			

Test conditions		Fundamental Frequency	
		107.9MHz	
T <sub>nom</sub> (22°C)	Unit	(dBμV/m)/ ( μ V/m) AV	(dBμV/m)/( μ V/m) PEAK
	Horizontal	41.4/117	44.5/168
	Vertical	40.5/106	43.5/150
limit		48/250	68/2500
Note: Measurement was performed with modulated signal with average detector and peak detector.			



Date of Test:	July 4-8, 2005	Temperature:	22°C
EUT:	Wireless Hands-Free Car Kit	Humidity:	50%
Model No.:	LK-168C	Power Supply:	12V DC
Test Mode:	TX Mode: B	Test Engineer:	Andy

### Fundamental Radiated Emissions

Test conditions		Fundamental Frequency	
		88.1MHz	
T <sub>nom</sub> (22°C)	Unit	(dBμV/m)/ ( μ V/m) AV	(dBμV/m)/( μ V/m) PEAK
	Horizontal	41.6/120	44.6/170
	Vertical	43.2/145	46.3/207
limit		48/250	68/2500
Note: Measurement was performed with modulated signal with average detector and peak detector.			

Test conditions		Fundamental Frequency	
		107.1MHz	
T <sub>nom</sub> (22°C)	Unit	(dBμV/m)/ ( μ V/m) AV	(dBμV/m)/( μ V/m) PEAK
	Horizontal	42.5/133	45.5/188
	Vertical	41.8/123	44.8/174
limit		48/250	68/2500
Note: Measurement was performed with modulated signal with average detector and peak detector.			

Test conditions		Fundamental Frequency	
		107.9MHz	
T <sub>nom</sub> (22°C)	Unit	(dBμV/m)/ ( μ V/m) AV	(dBμV/m)/( μ V/m) PEAK
	Horizontal	42.4/132	45.5/188
	Vertical	42.5/133	45.5/188
limit		48/250	68/2500
Note: Measurement was performed with modulated signal with average detector and peak detector.			

Reviewer :



## **5. OCCUPIED BANDWIDTH FOR FCC PART 15 SECTION**

### **15.239(A)**

#### **5.1.The Requirement For Section 15.239(a)**

- 5.1.1. Emission from the device shall be confined within a band 200kHz wide centered on the operating frequency. The 200kHz band shall lie wholly within the frequency range of 88-108MHz.

#### **5.2.EUT Configuration on Measurement**

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

##### **5.2.1. Wireless Hands-Free Car Kit (EUT)**

Model Number : LK-168C  
Serial Number : N/A  
Manufacturer : Lamko Group International Limited

#### **5.3.Operating Condition of EUT**

- 5.3.1.Setup the EUT and simulator as shown as Section 4.1.

- 5.3.2.Turn on the power of all equipment.

- 5.3.3. Let the EUT work in TX mode (On) measure it. The transmit frequency are 88.1, 107.1, 107.9MHz. We select phone signal input mode to test.

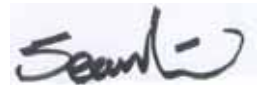
#### **5.4.Test Procedure**

The zero level was set without modulation. A small sample of the transmitter output was fed into the spectrum analyzer and above photo was taken. The vertical scale is set to 10dB per division; the horizontal scale is set to 20kHz per division.

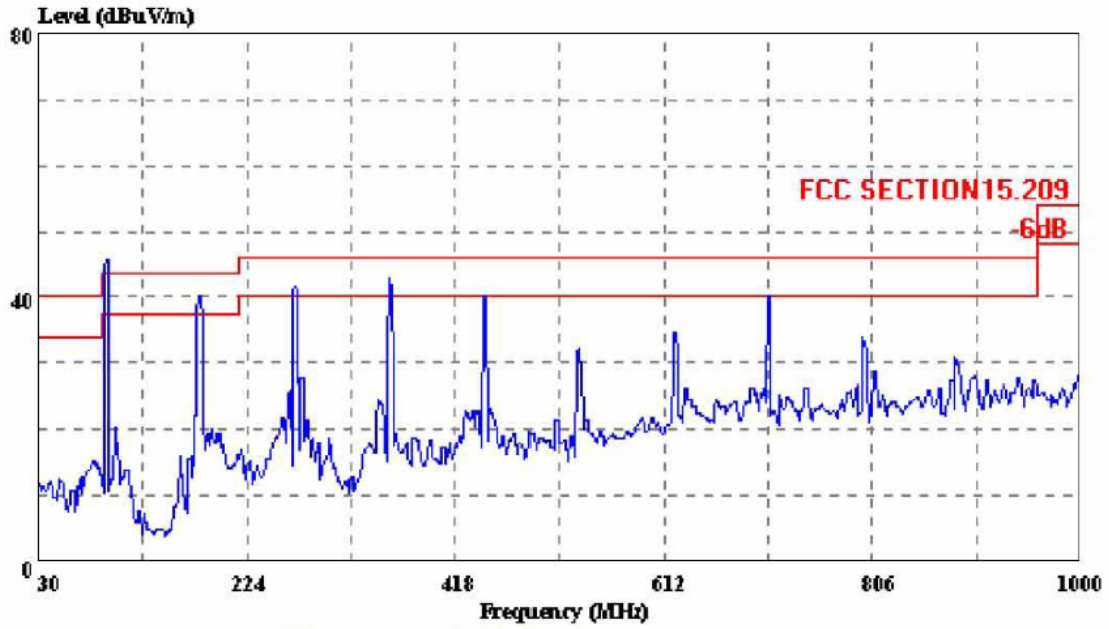
## 5.5. Test Result

**The EUT does meet the FCC requirement.**

Reviewer :

A handwritten signature in black ink, appearing to read "Sean", is written over a light blue rectangular background. The signature is stylized with a large 'S' and a trailing flourish.

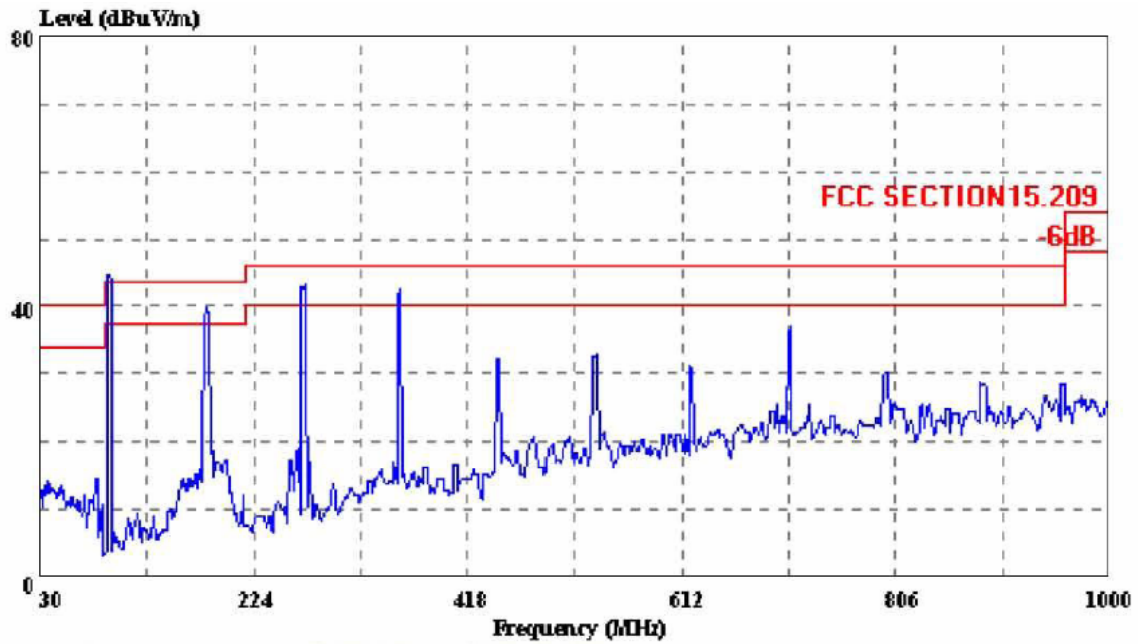
# APPENDIX I (Test Curves)



Trace:

Ref Trace:

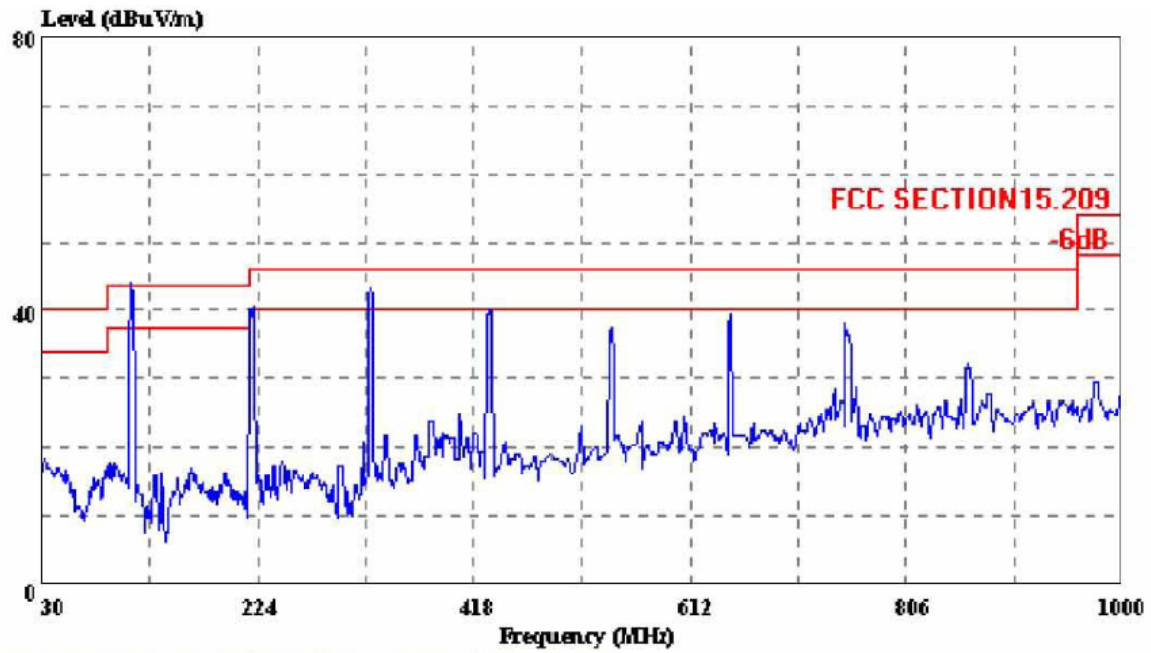
Condition: FCC SECTION 15.209 3m ATC VULB9163 (NEW) HORIZONTAL  
 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX (88.1MHz)  
 manuf: Lamko  
 : PHONE port



Trace:

Ref Trace:

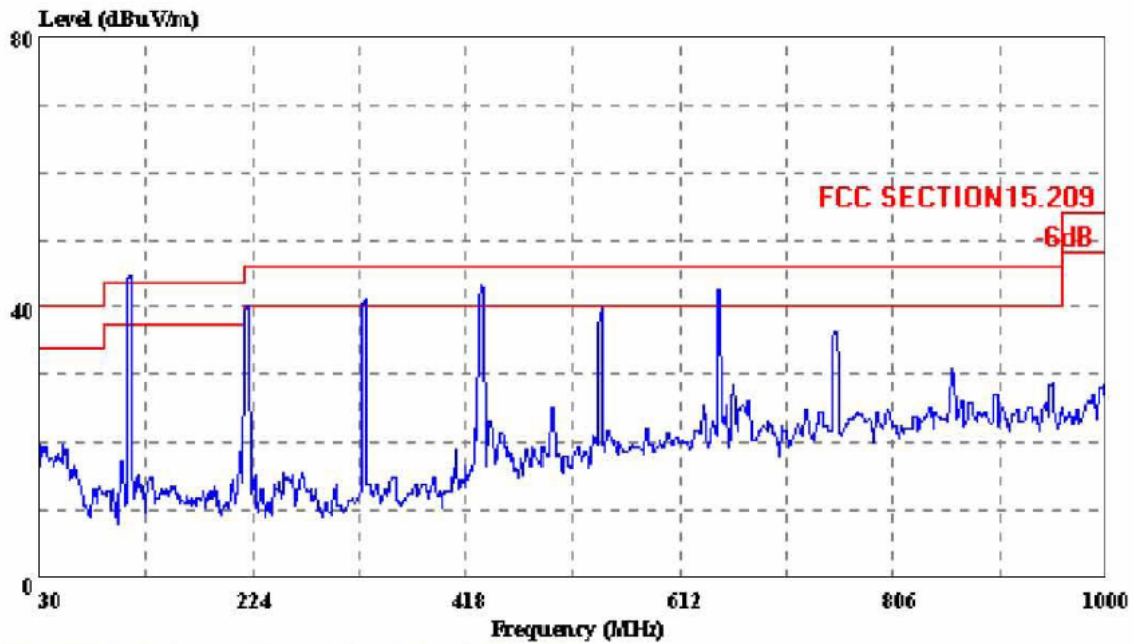
Condition: FCC SECTION 15.209 3m ATC VULB9163 (NEW) VERTICAL  
 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX (88.1MHz)  
 manuf: Lamko  
 : PHONE port



Trace:

Ref Trace:

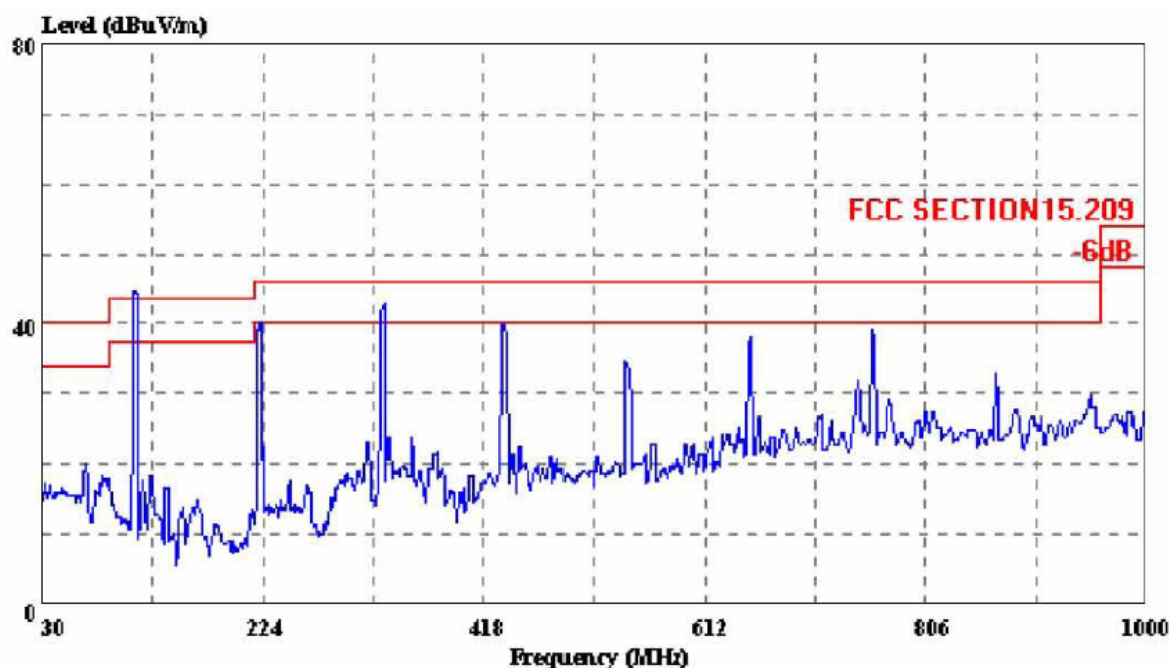
Condition: FCC SECTION 15.209 3m ATC VULB9163 (NEW) HORIZONTAL  
 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX (107.1MHZ)  
 manuf: Lamko  
 : phone port



Trace:

Ref Trace:

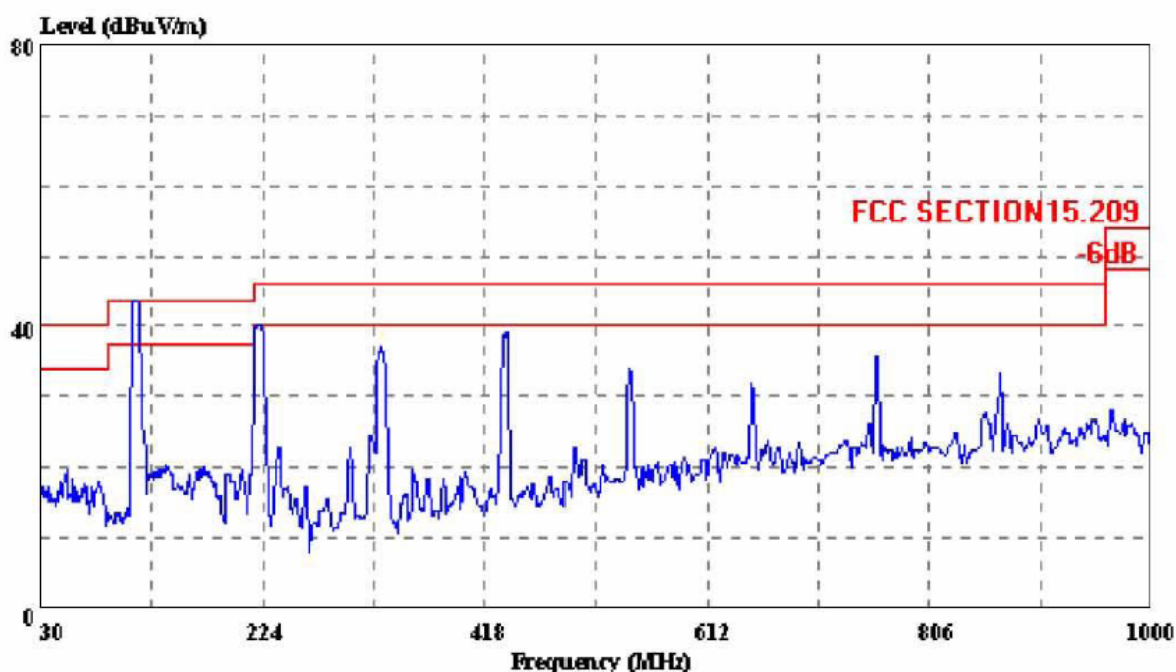
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 power: DC 12V  
 memo : TX (107.1MHZ)  
 manuf: Lamko  
 : phone port



Trace:

Ref Trace:

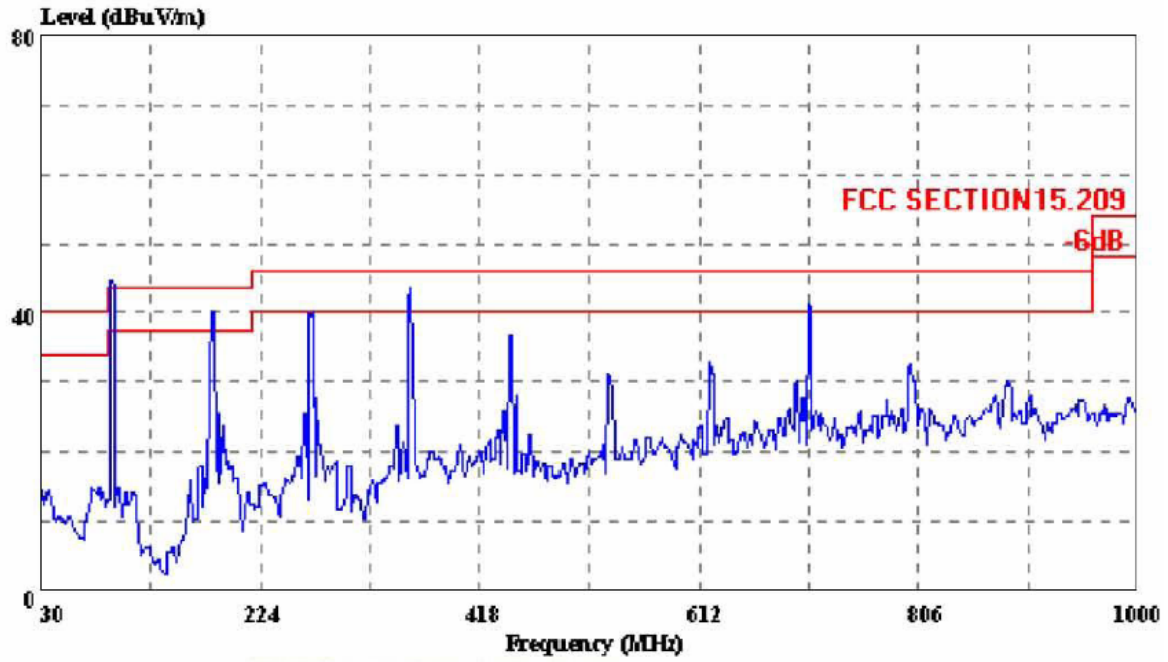
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 memo : TX(107.9MHz)  
 manuf: Lamko  
 : PHONE PORT



Trace:

Ref Trace:

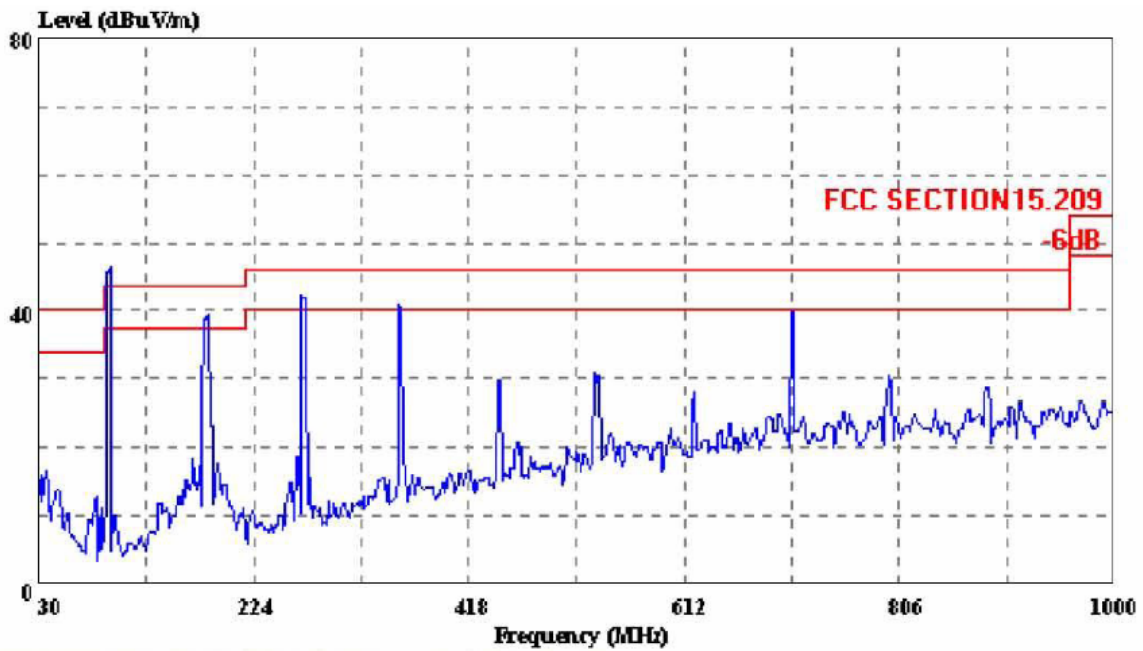
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 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX(107.9MHz)  
 manuf: Lamko  
 : PHONE PORT



Trace:

Ref Trace:

Condition: FCC SECTION15.209 3m ATC VULB9163(NEW) HORIZONTAL  
 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX (88.1MHZ)  
 manuf: Lamko  
 : MP3 port

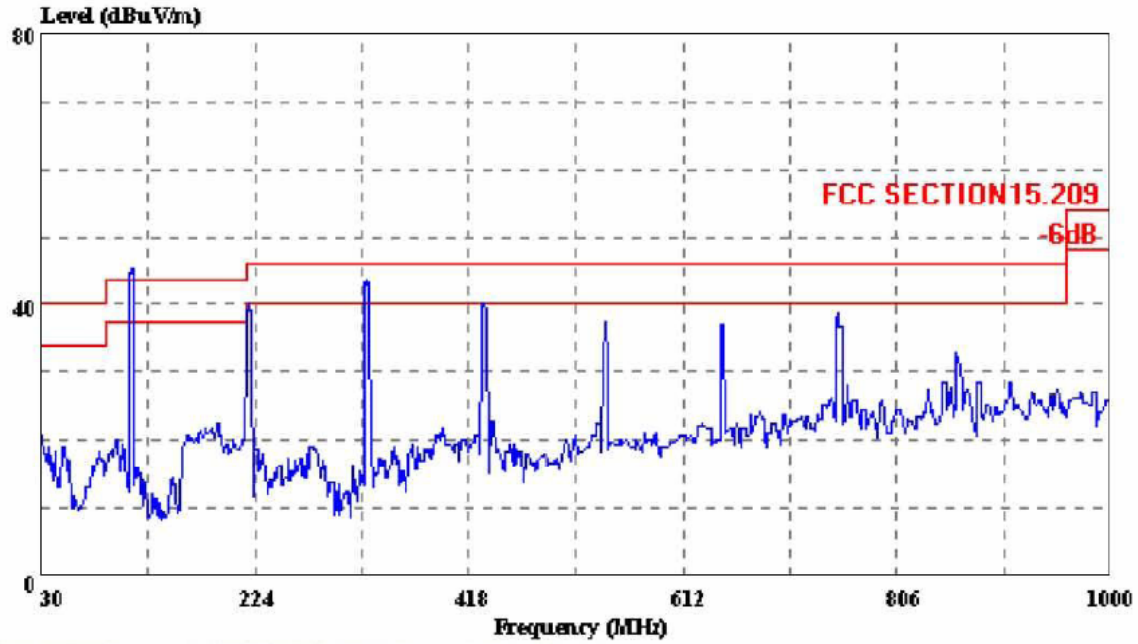


Trace:

Ref Trace:

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 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX (88.1MHZ)  
 manuf: Lamko  
 : MP3 port

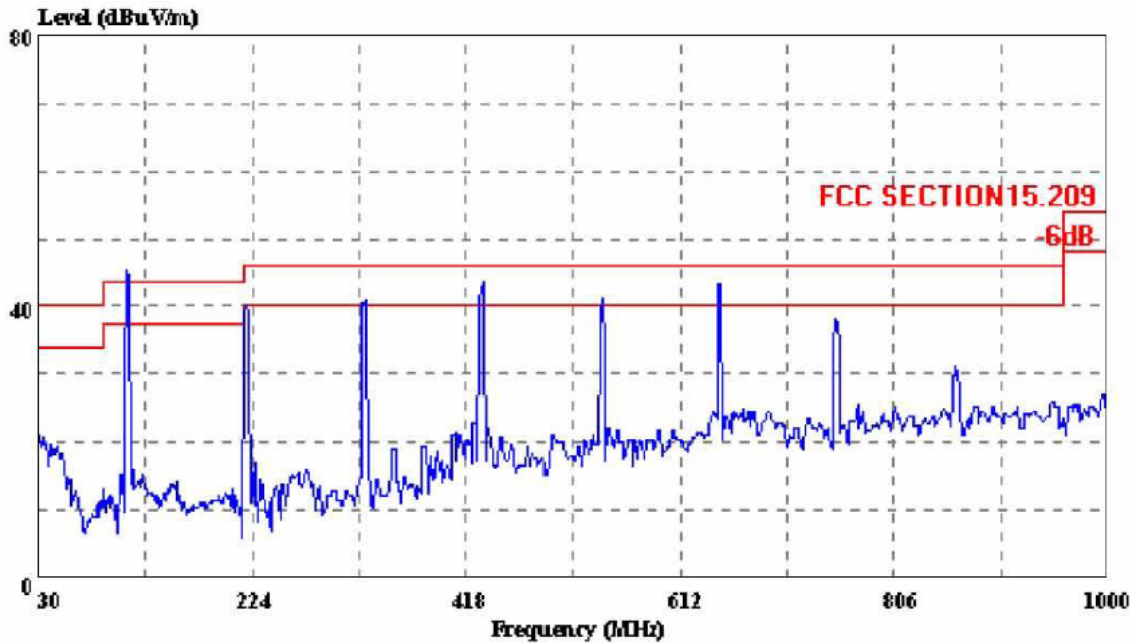




Trace:

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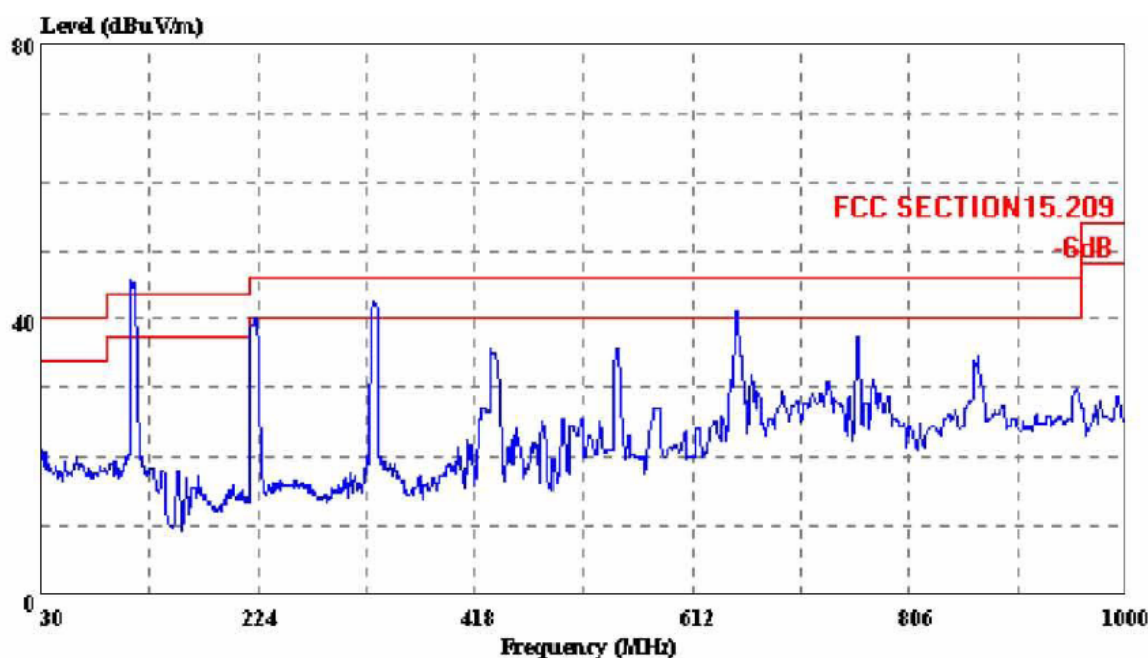
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 manuf: Lamko  
 : MP3 port



Trace:

Ref Trace:

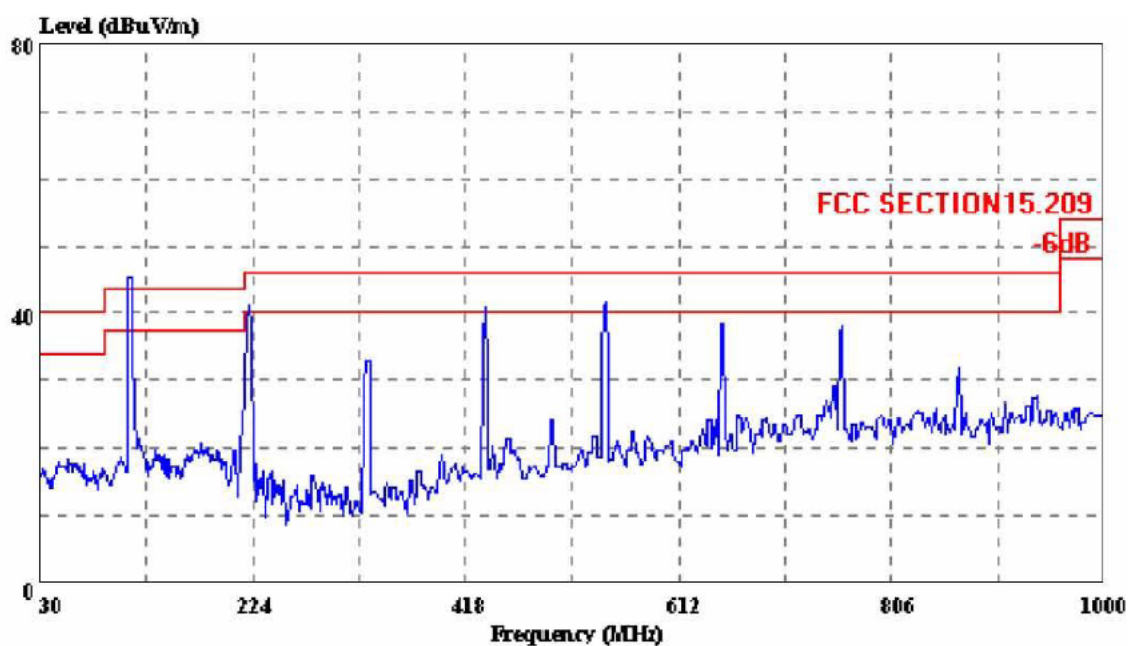
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 power: DC 12V  
 memo : TX (107.1MHZ)  
 manuf: Lamko  
 : MP3 port



Trace:

Ref Trace:

Condition: FCC SECTION 15.209 3m ATC VULB9163 (NEW) HORIZONTAL  
 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX(107.9MHz)  
 manuf: Lamko  
 : MP3 PORT



Trace:

Ref Trace:

Condition: FCC SECTION 15.209 3m ATC VULB9163 (NEW) VERTICAL  
 eut : Wireless Handsfree Car Kit M/N:LK-168C  
 power: DC 12V  
 memo : TX(107.9MHz)  
 manuf: Lamko  
 : MP3 PORT

