FCC CERTIFICATION
On Behalf of
Senboli Plastic Mold Products Factory

Midnight Club Los Angeles Mini Saleen RC Car
Model No.: 27039

FCC ID: WUH27039

Prepared for	:	Senboli Plastic Mold Products Factory
Address	:	Xinmin Xia Road, Wu Sha, Chang'an Town, Dongguang Guangdong, China
Prepared by	:	ACCURATE TECHNOLOGY CO. LTD
Address	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China
		Tel: (0755) 26503290 Fax: (0755) 26503396

Report Number	:	ATE20082058
Date of Test	:	October 27, 2008
Date of Report	:	October 28, 2008

TABLE OF CONTENTS

Description Page

Test Report Certification

Applicant	:	Senboli Plastic Mold Products Factory
Manufacturer	:	Senboli Plastic Mold Products Factory
EUT Description	:	Midnight Club Los Angeles Mini Saleen RC Car
		(A) MODEL NO.: 27039
		(B) SERIAL NO.: N/A
		(C) POWER SUPPLY: 6.0V DC ("AA" batteries 4×)

Measurement Procedure Used:

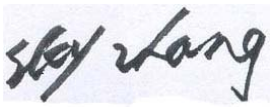
FCC Rules and Regulations Part 15 Subpart C Section 15.235: 2008 & ANSI C63.4: 2003

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 Section15.235 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.

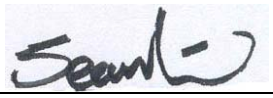
Date of Test : October 27, 2008

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	Midnight Club Los Angeles Mini Saleen RC Car
Model Number	:	27039
Power Supply	:	6.0V DC (“AA” batteries 4×)
Operate Frequency	:	49.86MHz
Applicant	:	Senboli Plastic Mold Products Factory
Address	:	Xinmin Xia Road, Wu Sha, Chang’an Town, Dongguang Guangdong, China
Manufacturer	:	Senboli Plastic Mold Products Factory
Address	:	Xinmin Xia Road, Wu Sha, Chang’an Town, Dongguang Guangdong, China
Date of sample received	:	October 20, 2008
Date of Test	:	October 27, 2008

1.2.Description of Test Facility

EMC Lab	:	Accredited by TUV Rheinland Shenzhen Listed by FCC The Registration Number is 752051 Listed by Industry Canada The Registration Number is 5077A-2 Accredited by China National Accreditation Committee for Laboratories The Certificate Registration Number is L3193
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 Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

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	03.29.2009
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	03.29.2009
Spectrum Analyzer	Agilent	E7405A	MY45115511	03.29.2009
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	03.31.2009
Loop Antenna	Schwarzbeck	FMZB1516	1516131	03.28.2009
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	03.29.2009
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	12.20.2008
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	10.09.2009
LISN	Rohde&Schwarz	ESH3-Z5	100305	03.29.2009
LISN	Schwarzbeck	NSLK8126	8126431	03.29.2009

3. SUMMARY OF TEST RESULTS

FCC Rules	**Description of Test**	**Result**
Section 15.207	Conducted Emission	N/A
Section 15.209 Section 15.235(b)	Radiated Emission	Compliant
Section 15.235(a)	The fundamental Radiated Emission	Compliant
Section 15.235(b)	Band Edge	Compliant

4. FUNDAMENTAL RADIATED EMISSION FOR FCC PART 15 SECTION 15.235(A)

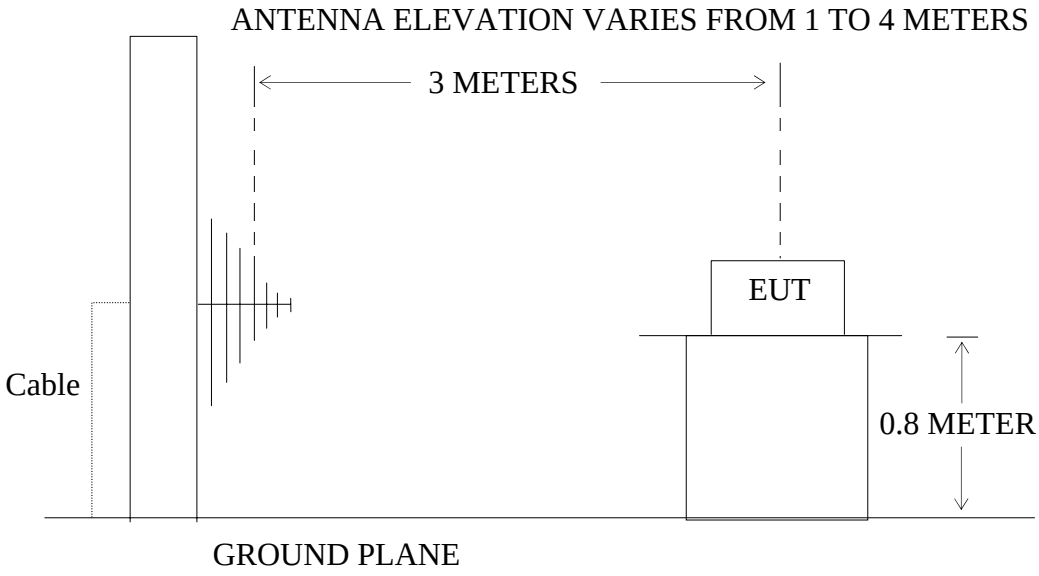
4.1.Block Diagram of Test Setup

4.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: Midnight Club Los Angeles Mini Saleen RC Car)

4.1.2.Anechoic Chamber Test Setup Diagram



(EUT: Midnight Club Los Angeles Mini Saleen RC Car)

4.2. The Emission Limit for Section 15.235(a)

4.2.1. The field strength of any emission within this band shall not exceed 10,000 microvolts/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. 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.

4.3.1. Midnight Club Los Angeles Mini Saleen RC Car (EUT)

Model Number	**:**	27039
Serial Number	**:**	N/A
Manufacturer	**:**	Senboli Plastic Mold Products Factory

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 measure it.

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.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz.

4.6. The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	October 27, 2008	Temperature:	25°C
EUT:	Midnight Club Los Angeles Mini Saleen RC Car	Humidity:	52%
Model No.:	27039	Power Supply:	6.0V DC ("AA" batteries 4×)
Test Mode:	TX	Test Engineer:	Joe

Fundamental Radiated Emissions

Test conditions		Fundamental Frequency	
		49.860MHz	
T_{nom}(25°C) V_{nom} (6.0V DC)	Unit	(dBμV/m)/(μV/m) PEAK	(dBμV/m)/(μV/m) AV
	Vertical	77.61/7594.5	73.33/4639.8
	Horizontal	73.81/4903.4	69.26/2904.0
Limit		100/100,000	80/10,000
Note: Measurement was performed with modulated signal with average detector and peak detector.			

The spectral diagrams in appendix I.

5. RADIATED EMISSION FOR FCC PART 15 SECTION 15.235(B)

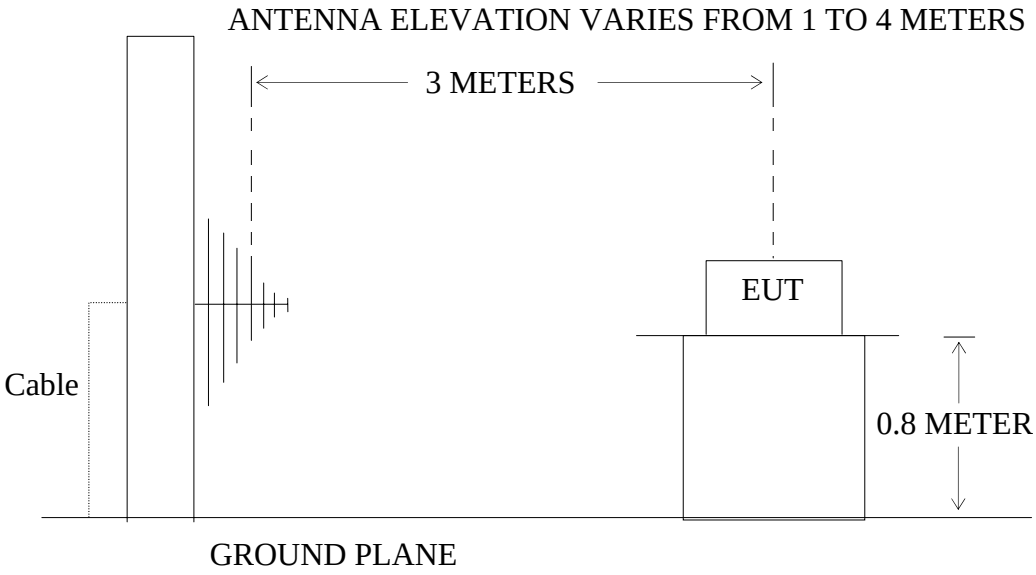
5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: Midnight Club Los Angeles Mini Saleen RC Car)

5.1.2.Anechoic Chamber Test Setup Diagram



(EUT: Midnight Club Los Angeles Mini Saleen RC Car)

5.2.The Field Strength of Radiation Emission Measurement Limits

5.2.1.The field strength of any emissions appearing between the band edges and up to10kHz above and below the band edges shall not exceed the general radiated emission limits in section 15.209. The field strength of any emissions removed by more than 10kHz from the band edges shall not exceed the general radiated emission limits in section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit		
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBμV/m)	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.
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

5.3.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.

5.3.1. Midnight Club Los Angeles Mini Saleen RC Car (EUT)

Model Number : 27039
Serial Number : N/A
Manufacturer : Senboli Plastic Mold Products Factory

5.4.Operating Condition of EUT

5.4.1.Setup the EUT and simulator as shown as Section 5.1.

5.4.2.Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes measure it.

5.5. 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 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.

5.6. The Emission Measurement Result

PASS.

Date of Test:	October 27, 2008	Temperature:	25°C
EUT:	Midnight Club Los Angeles Mini Saleen RC Car	Humidity:	52%
Model No.:	27039	Power Supply:	6.0V DC ("AA" batteries 4×)
Test Mode:	TX	Test Engineer:	Joe

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
99.7229	26.18	13.98	40.16	43.50	-3.34	Vertical
149.5843	22.79	14.53	37.32	43.50	-6.18	
249.3071	22.04	17.47	39.51	46.00	-6.49	
299.1686	22.96	18.65	41.61	46.00	-4.39	
349.0300	19.83	20.67	40.50	46.00	-5.50	
99.7229	25.28	13.99	39.27	43.50	-4.23	Horizontal
149.5843	21.17	14.53	35.70	43.50	-7.80	
199.4457	22.22	14.97	37.19	43.50	-6.31	
249.3071	22.50	17.47	39.97	46.00	-6.03	
299.1686	19.29	18.65	37.94	46.00	-8.06	

Note:

1. The spectral diagrams in appendix 1 display the measurement of peak values with corrected factors counted.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

   Result = Reading + Corrected Factor

   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

6. BAND EDGES FOR FCC PART 15 SECTION 15.235(B)

6.1.The Requirement For Section 15.235(b)

6.1.1.The field strength of any emission appearing between the band edges and up to 10kHz above and below the band edges shall be attenuated at least 26dB below the level of the unmodulated carrier or to the general limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit		
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBμV/m)	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.
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

6.2.EUT Configuration on Measurement

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

6.2.1.Midnight Club Los Angeles Mini Saleen RC Car (EUT)

Model Number **:** 27039
Serial Number **:** N/A
Manufacturer **:** Senboli Plastic Mold Products Factory

6.3. Operating Condition of EUT

6.3.1. Setup the EUT and simulator as shown as Section 5.1.

6.3.2. Turn on the power of all equipment.

6.3.3. Let the EUT work in TX modes measure it.

6.4. 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 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.

6.5. The Field Strength of Radiation Emission Measurement Results

Pass.

The frequency ranges from 49.81MHz to 49.82MHz, from 49.90MHz to 49.91MHz are checked. Because it is difficult to find out emission of unmodulated carrier, we test to comply to the general limits in Section 15.209.

Date of Test:	October 27, 2008	Temperature:	25°C
EUT:	Midnight Club Los Angeles Mini Saleen RC Car	Humidity:	52%
Model No.:	27039	Power Supply:	6.0V DC ("AA" batteries 4×)
Test Mode:	TX	Test Engineer:	Joe

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	QP		QP	QP	QP	
49.8100	21.73	15.02	36.75	40	-3.25	Vertical
49.9100	21.99	14.99	36.98	40	-3.02	
49.8100	21.67	15.02	36.69	40	-3.31	Horizontal
49.9100	21.88	14.99	36.87	40	3.13	

The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

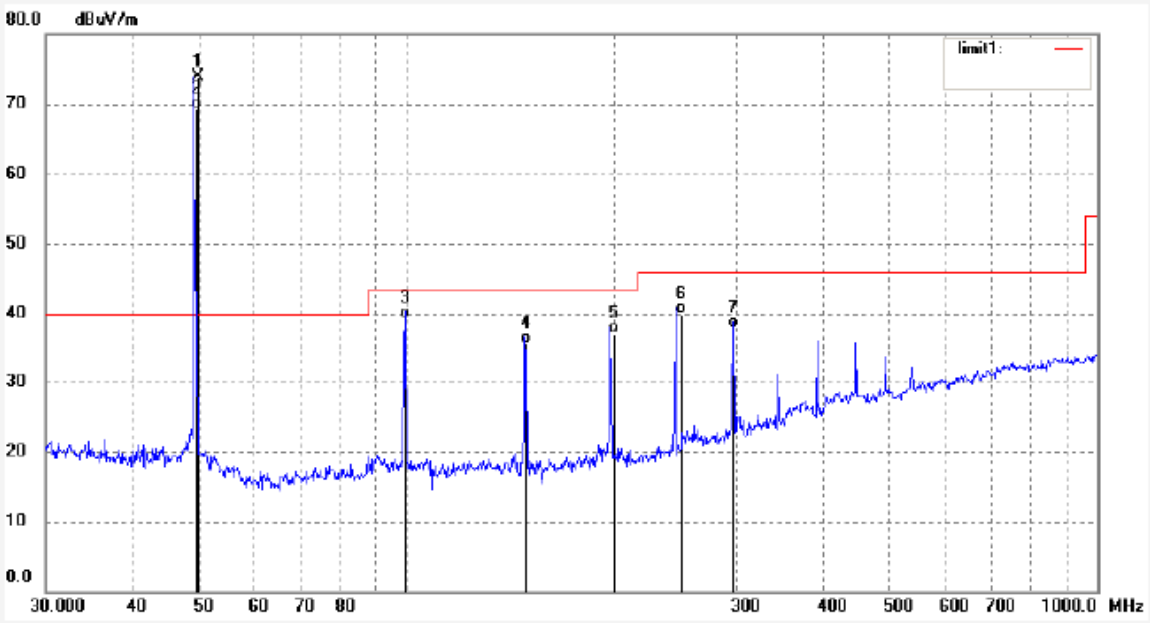
APPENDIX I
(Test Curves)

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: RTTE #713
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 52 %
EUT: Midnight Club Los Angeles Mini Saleen RC Car
Mode: TX
Model: 27039
Manufacturer: Senboli

Polarization: Horizontal
Power Source: DC 6V
Date: 2008-10-27
Time: 14:50:10
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:083858 Report No.:ATE20082058



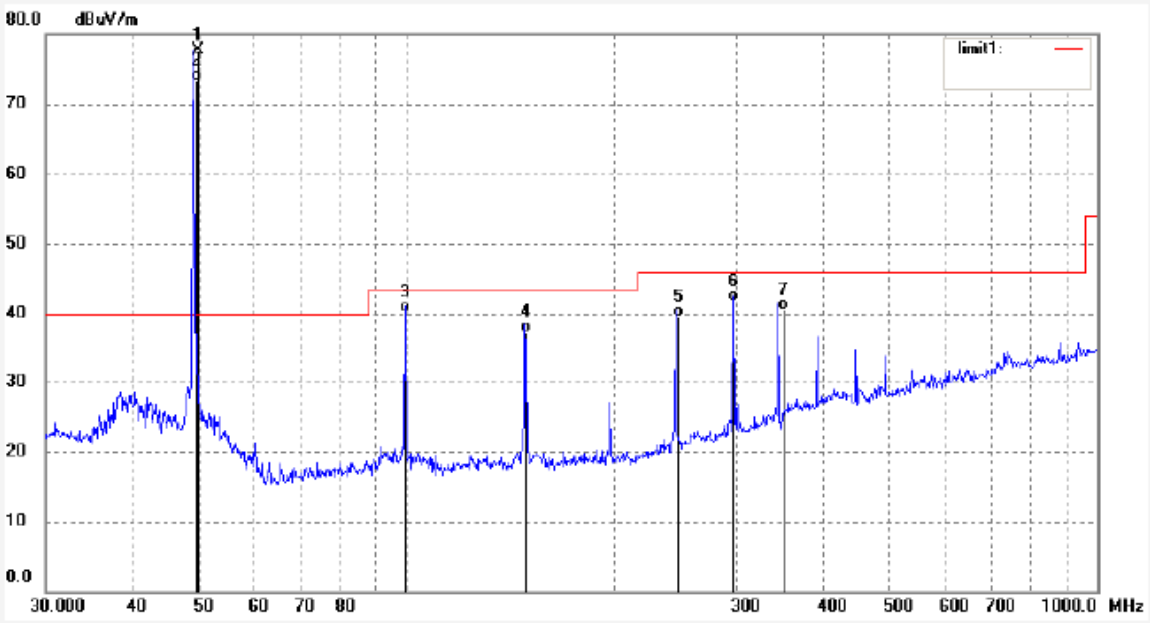
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	49.8614	58.83	14.98	73.81	100.00	-26.19	peak	
2	49.8614	54.28	14.98	69.26	80.00	-10.74	AVG	
3	99.7229	25.28	13.99	39.27	43.50	-4.23	QP	
4	149.5843	21.17	14.53	35.70	43.50	-7.80	QP	
5	199.4457	22.22	14.97	37.19	43.50	-6.31	QP	
6	249.3071	22.50	17.47	39.97	46.00	-6.03	QP	
7	299.1686	19.29	18.65	37.94	46.00	-8.06	QP	

ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: RTTE #712
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 52 %
EUT: Midnight Club Los Angeles Mini Saleen RC Car
Mode: TX
Model: 27039
Manufacturer: Senboli

Polarization: Vertical
Power Source: DC 6V
Date: 2008-10-27
Time: 14:30:26
Engineer Signature: Joe
Distance: 3m

Note: Sample No.:083858 Report No.:ATE20082058



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Remark
1	49.8614	62.61	15.00	77.61	100.00	-22.39	peak	
2	49.8614	58.33	15.00	73.33	80.00	-6.67	AVG	
3	99.7229	26.18	13.98	40.16	43.50	-3.34	QP	
4	149.5843	22.79	14.53	37.32	43.50	-6.18	QP	
5	249.3071	22.04	17.47	39.51	46.00	-6.49	QP	
6	299.1686	22.96	18.65	41.61	46.00	-4.39	QP	
7	349.0300	19.83	20.67	40.50	46.00	-5.50	QP	