Shenzhen Huatongwei International Inspection Co., Ltd.
Keji S,12th , Road, Hi-tech Industrial Park, Shenzhen, Guangdong, China
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MPE TEST REPORT

FCC Per 47 CFR 2.1091(b)

Report Reference No.....:	**WE10040019**
FCC ID .....:	**Q5EPT810001**
IC.	**8922A-PT810001**
Compiled by (position+printed name+signature)..:	File administrators Xiankun Ding
Supervised by (position+printed name+signature)..:	Test Engineer Wenliang Li
Approved by (position+printed name+signature)..:	Manager Jimmy Li
Date of issue.....:	July 16, 2010
Testing Laboratory Name .....:	**Shenzhen Huatongwei International Inspection Co., Ltd**
Address .....:	Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China
Applicant's name.....:	**KIRISUN ELECTRONICS(SHENZHEN) CO., LTD.**
Address .....:	6/F., BLDG. H-2, EAST INDUSTRIAL ZONE OF OVERSEAS CHINESE TOWN NANSHAN DIST. SHENZHEN P.R. CHINA
Test specification:	
Standard .....:	**FCC Per 47 CFR 2.1091(b)**
TRF Originator.....:	Shenzhen Huatongwei International Inspection CO., Ltd
Master TRF.....:	Dated 2006-06

Test item description .....:	Mobile Radio
Trade Mark .....:	KIRISUN
Manufacturer .....:	**KIRISUN ELECTRONICS(SHENZHEN) CO., LTD.**
Model/Type reference.....:	PT8100-01
Listed Models .....:	/
Ratings .....:	DC 13.60 V
RF Output Power Rating .....:	25 Watt/43.98 dBm
Modulation/Channel Separation	FM/12.5KHz&25KHz
Frequency Range	From 136 MHz to 174 MHz
Result.....:	**Positive**

MPE T E S T R E P O R T

Test Report No. :	WE10040019	July 16, 2010 Date of issue

Equipment under Test	:	Mobile Radio
Model /Type	:	PT8100-01
Listed Models	:	/
Applicant	:	**KIRISUN ELECTRONICS(SHENZHEN) CO., LTD.**
Address	:	6/F., BLDG. H-2, EAST INDUSTRIAL ZONE OF OVERSEAS CHINESE TOWN NANSHAN DIST. SHENZHEN P.R. CHINA
Manufacturer	:	**KIRISUN ELECTRONICS(SHENZHEN) CO., LTD.**
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Contents

1. Measurement Uncertainty

The information below presents an estimate of the possible errors that are associated with the measurement system.

Description	Error
NARDA Survey Meter	**± 3%**
Repeatability Accuracy	**± 7%**

2. Method of measurement

2.1. EME measurements made on trunk mounted antennas

2.1.1. External vehicle EME measurement

(Antenna mounted in trunk center)
With the survey meter and probe, take ten (10) measurements, at the standard test distance of 60 cm to the antenna, from the back of the vehicle in a vertical line and then average the results. These measurements are taken and recorded at every twenty (20) centimeters over a range starting at twenty (20) centimeters above ground and ending at 2.0 meters.

2.1.2. Internal vehicle EME measurement

(Antenna mounted in trunk center)
While rotating survey meter probe through 180 degrees to ensure that the highest level is found, scan the inside of the vehicle, both front and back seating areas, for the highest level in each location. After the highest level is found, scan vertically making two (2) additional measurements within an area approximately 40 cm wide (representing the width of a person) so as to have a total of three (3) measured points as indicated below that will be averaged
.
a) Head area
b) Chest area
c) Lower Trunk area

2.2. EME measurements made on center roof mounted antennas

2.2.1. External vehicle EME measurement

With the survey meter and probe, take ten (10) measurements, at the standard test distance of 110 cm from the vehicle-mounted antenna, in a vertical line and then average the results. These measurements are taken and recorded at every twenty (20) centimeters over a range starting at twenty (20) centimeters above ground and ending at 2.0 meters; this would be representative of a person standing next to a vehicle during a mobile radio transmission.

2.2.2. Internal vehicle EME measurement

While rotating survey meter probe through 180 degrees to ensure that the highest level is found, scan the inside of the vehicle, both front and back seating areas, for the highest level in each location. After the highest level is found, scan vertically making two (2) additional measurements within an area approximately 40 cm wide (representing the width of a person) so as to have a total of three (3) measured points as indicated below that will be averaged.

a) Head area
b) Chest area
c) Lower Trunk area

3. Approved Accessories

Antenna:

Model: RD-Y-0807-3840
Roof Mount 136-174MHz
Gain: 3dBi

Vehicle:

Band: BYD
Model: F6

4. Test Result

Measurement Information			
Measurement Freq.(MHz)	136.1250	156.1250	173.9875
Raw Data Power(W)	25.70	25.53	26.00
Controlled Limit	1.00	1.00	1.00
Uncontrolled Limit	0.20	0.20	0.20
Cal.	1.00	1.00	1.00
Antenna / gain(dBi)	Whip / 3	Whip / 3	Whip / 3
External Vehicle Power Density(50% duty)	average over body/2		
Internal Vehicle Power Density(50% duty)	average over (head/chest/leg)/2		

External Vehicle MPE Assessment at 136.1250 MHz						
Antenna Location	**Antenna/ gain**	**Meas. Distance (cm)**	**E/H Field**	**Calibration Factor**	**Average Over Body**	**Pwr. Density (mW/cm^2)**
Trunk	Whip / 3	60	E	1.00	0.24	0.12
Measurement grid						
Test position	**Height (cm)**	**% of controlled limit**		**Test position**	**Height (cm)**	**% of controlled limit**
1	20	4.8		6	120	29.7
2	40	4.3		7	140	23.2
3	60	11.2		8	160	17.0
4	80	18.8		9	180	14.3
5	100	28.0		10	200	10.2

External Vehicle MPE Assessment at 156.1250 MHz						
Antenna Location	**Antenna/ gain**	**Meas. Distance (cm)**	**E/H Field**	**Calibration Factor**	**Average Over Body**	**Pwr. Density (mW/cm^2)**
Trunk	Whip / 3	60	E	1.00	0.275	0.14
Measurement grid						
Test position	**Height (cm)**	**% of controlled limit**		**Test position**	**Height (cm)**	**% of controlled limit**
1	20	5.8		6	120	30.5
2	40	5.0		7	140	22.4
3	60	16.9		8	160	16.2
4	80	23.2		9	180	15.1
5	100	30.1		10	200	12.7

External Vehicle MPE Assessment at 173.9875 MHz						
Antenna Location	Antenna/ gain	Meas. Distance (cm)	E/H Field	Calibration Factor	Average Over Body	Pwr. Density (mW/cm^2)
Trunk	Whip / 3	60	E	1.00	0.215	0.11
Measurement grid						
Test position	Height (cm)	% of controlled limit	Test position	Height (cm)	% of controlled limit	
1	20	4.3	6	120	25.8	
2	40	3.9	7	140	23.3	
3	60	10.0	8	160	10.8	
4	80	16.7	9	180	9.5	
5	100	25.3	10	200	8.3	

External Vehicle MPE Assessment at 156.1250 MHz						
Antenna Location	Antenna/ gain	Meas. Distance (cm)	E/H Field	Calibration Factor	Average Over Body	Pwr. Density (mW/cm^2)
Trunk	Whip / 3	110	E	1.00	0.12	0.06
Measurement grid						
Test position	Height (cm)	% of controlled limit	Test position	Height (cm)	% of controlled limit	
1	20	2.1	6	120	8.3	
2	40	1.8	7	140	7.0	
3	60	4.3	8	160	5.4	
4	80	5.1	9	180	6.6	
5	100	7.6	10	200	8.8	

Internal Vehicle MPE Assessment at 136.1250 MHz						
Antenna Location	Antenna/ gain	Meas. Distance (cm)	E/H Field	Calibration Factor	Average over Head,Chest,Leg Back/Front Seats (mW/cm^2)	Pwr. Density of Higher Level (mW/cm^2)
Trunk	Whip / 3	Highest Reading	E	1.00	0.110/0.060	0.060/0.003
Measurement grid						
Test position	% of controlled limit Head		% of controlled limit Chest		% of controlled limit Leg	
Back Seat	9.8		5.5		1.6	
Front Sea	1.5		0.9		0.7	

Internal Vehicle MPE Assessment at 156.1250 MHz						
Antenna Location	**Antenna/ gain**	**Meas. Distance (cm)**	**E/H Field**	**Calibration Factor**	**Average over Head,Chest,Leg Back/Front Seats (mW/cm^2)**	**Pwr. Density of Higher Level (mW/cm^2)**
Trunk	Whip / 3	Highest Reading	E	1.00	0.100/0.004	0.050/0.002

Measurement grid			
Test position	**% of controlled limit Head**	**% of controlled limit Chest**	**% of controlled limit Leg**
Back Seat	2.3	3.2	0.7
Front Sea	3.4	3.8	0.9

Internal Vehicle MPE Assessment at 173.9875 MHz						
Antenna Location	**Antenna/ gain**	**Meas. Distance (cm)**	**E/H Field**	**Calibration Factor**	**Average over Head,Chest,Leg Back/Front Seats (mW/cm^2)**	**Pwr. Density of Higher Level (mW/cm^2)**
Trunk	Whip / 3	Highest Reading	E	1.00	0.120/0.008	0.060/0.004

Measurement grid			
Test position	**% of controlled limit Head**	**% of controlled limit Chest**	**% of controlled limit Leg**
Back Seat	9.8	11.9	7.5
Front Sea	4.7	10.1	4.7

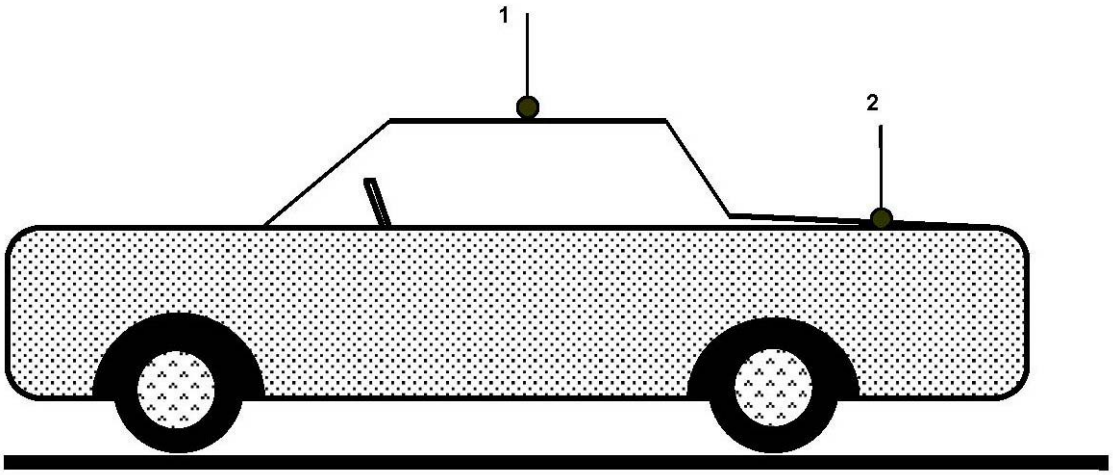
Internal Vehicle MPE Assessment at 173.9875 MHz						
Antenna Location	**Antenna/ gain**	**Meas. Distance (cm)**	**E/H Field**	**Calibration Factor**	**Average over Head,Chest,Leg Back/Front Seats (mW/cm^2)**	**Pwr. Density of Higher Level (mW/cm^2)**
Roof	Whip / 3	Highest Reading	E	1.00	0.040/0.006	0.020/0.003

Measurement grid			
Test position	**% of controlled limit Head**	**% of controlled limit Chest**	**% of controlled limit Leg**
Back Seat	1.2	2.8	5.2
Front Sea	0.8	1.1	0.9

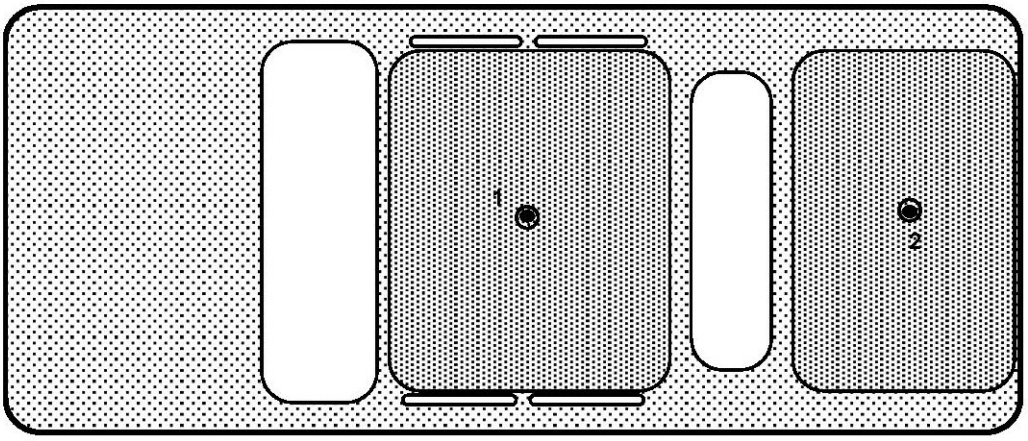
5. Conclusion

The measurement results comply with the FCC Limit Per 47 CFR 2.1091 (b) for the controlled RF Exposure.

6. Antenna Location Drawing



1 - Roof (center)
2 - Trunk (center)



.....End of Report.....