

EXHIBIT B

Test Report

Report No.	V1115574
Specifications	FCC Part 15 Class B
Test Method	ANSI C63.4 1992
Applicant Address	No. 17, Alley 92, Lane 189, An Chung Rd., Sec. 1, Tainan, Taiwan , R.O.C.
Applicant Items tested	VISION AUTOMOBILE ELECTRONICS INDUSTRIAL CO., LTD. The Receiver of Car Alarm System
Model No.	IHS-01SS (Sample # V11574)
Results	As detailed within this report
Sample received date	05/01/98 (month / day / year)
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Issue date	<u>May 21, 1998</u> (month / day / year)
Modifications	None
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Open site at	No. 5-3, Lane 21, Yen Chiu Yuan Rd., Sec. 4, Taipei, Taiwan

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★ FCC ID:KFR-IHS-01SS

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Chapter 1 Introduction

Description of EUT:

This device is a receiver of car alarm system that install in the car . The system contains a receiver and a remote controller .

Connection of EUT:

- (1)Connect the EUT to a 12V battery .
- (2)The alarm panel connect with cables unterminated .

Test method:

Plug the battery and make sure the EUT is on “ received” mode. There is a signal generator connected with a field probe , which can transmit the receiving frequency , probe put near the EUT .

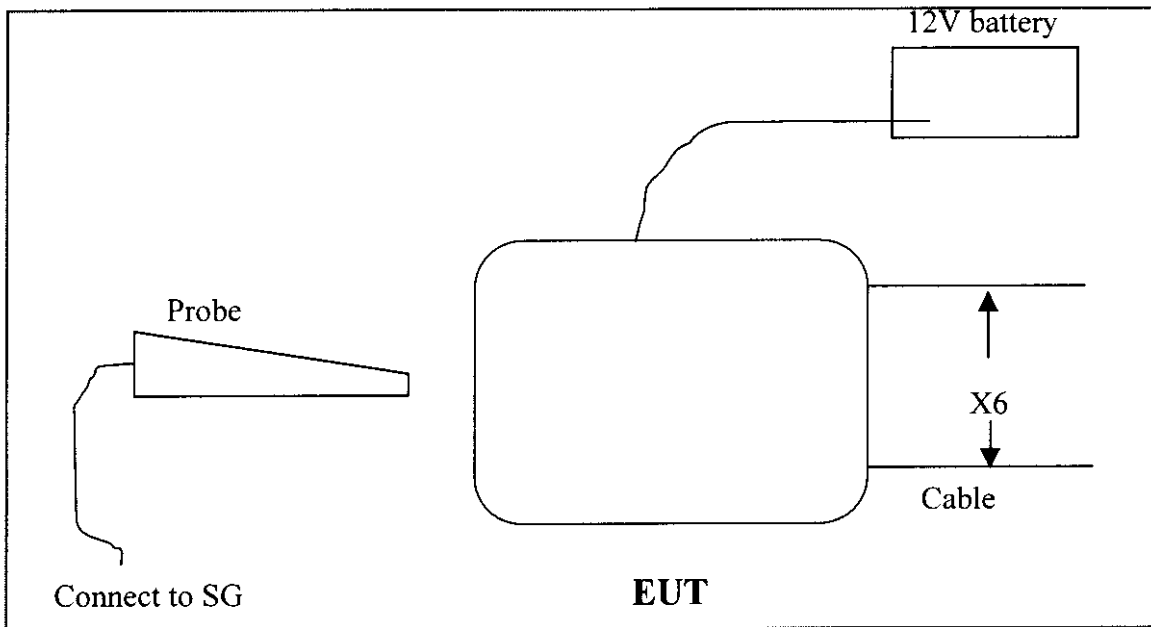
If the emission is less than 20 dB, no data can be recorded or the number of test data recorded is less than six.

Statement of transition provision for compliance with the rules

The EUT receives the signal which only send from the remote controller. The EUT won't be influenced by the transition provision , it will be continuous comply with the regulations of the FCC Part 15 . (The relative remote controller FCC ID : KFR-TX6).

The testing configuration of test setup is showing in the next page.

Configuration of test setup:



* All cable is 120 cm long , non-shielded .

List of support equipment

Field Probe : HP Field Probe 30MHz~1GHz

Model No. : HP11940A

Serial No. : 2650A03038

Signal Generator : HP 9KHz~4000MHz

Model No. : 8648D

Serial No. : 3613A00117

Power type : 110vac 60Hz

Power cord : Non - Shielded

Chapter 2 Conducted emission test

Test condition and setup:

All the equipment is placed and setup according to the ANSI C63.4 - 1992. The EUT is assembled on a wooden table which is 80 cm high, is placed 40 cm from the back-wall which is a vertical conducting plane. One LISN is for EUT, the other LISN is for support equipment. They are all placed on the conductive ground .The EUT's LISN connect a line switch box for selecting L1 or L2, then connect to a preamplifier and Spectrum.

The spectrum scans from 450KHz to 30MHz. Conducted emission levels are detected at max. peak mode . But if the max. peak mode failed ,it will be measured by CISPR's quasi-peak detection mode .

While testing, there is a the worst-emission plot printed at peak detection mode, and there are more than 6 highest emissions relative to limit recorded. The plot is kept as the original data, not included in test report.

List of test Instrument:

<u>Instrument Name</u>	<u>Model No.</u>	<u>Brand</u>	<u>Serial No.</u>	<u>Calibration Date</u>	
				<u>Last time</u>	<u>Next time</u>
Spectrum analyzer	8591EM	H P	3619A00821	10/06/97	10/06/98
LISN (EUT)	3825/2	EMCO	9411-2284	05/15/97	05/15/98
Preamplifier	8447F	H P	2944A03706	05/13/97	05/15/98
Line switch box	AC1-003	TRC	-----	05/15/97	05/15/98
Line selector	AC1-002	TRC	-----	05/15/97	05/15/98

The level of confidence of 95%, the uncertainty of measurement of conducted emission is ± 2.4 dB.

Test Result: N/A

Chapter 3 Radiated emission test

Test condition and setup:

Pretest: Prior to the final test (OATS test), the EUT is placed in a shielded enclosure, GTEM, and scan from 30MHz to 1GHz. This is done to ensure the radiation exactly emits from the EUT.

Final test: Final radiation measurements is made on a **3 – meter, open-field** test site. The EUT is placed on a nonconductive table which is 0.8 m height, the top surface is 1.0 x 1.5 meter. All the placement is according to ANSI C63.4 - 1992.

The spectrum is examined from 30 MHz to 1000 MHz measured by HP spectrum.

The EMCO whole range Antenna is used to measure frequency from 30 MHz to 1GHz. The final test is used the spectrum HP 8594EM.

Measure more than six top marked frequencies generated from pretest by computer step by step at each frequency. The EUT is rotated 360 degrees, and antenna is raised and lowered from 1 to 4 meters to find the maximum emission levels. The antenna is used with both horizontal and vertical polarization.

Appropriated preamplifier which is made by TRC is used for improving sensitivity and precautions is taken to avoid overloading. The spectrum analyzer's 6dB bandwidth is set to 120 K Hz, and the EUT is measured at quasi-peak mode.

If the emission is close to the frequency band of ambient, the data will be rechecked by the tester and the corrected data will be written in the test data sheet. If the emission is just within the ambient, the data from GTEM will be taken as the final data.

List of test Instrument:

Instrument Name	Model No.	Brand	Serial No.	Calibration Date	
				Last	Next
Spectrum analyzer	8568B	H P	3004A18617	05/15/97	05/15/98
Quasi-peak Adapter	85650A	H P	2521A00984	05/15/97	05/15/98
RF Pre-selector	85685A	H P	2947A01011	05/15/97	05/15/98
Spectrum analyzer	8594EM	H P	3619A00198	08/13/97	08/13/98
Antenna (30M-2G Hz)	3142	EMCO	9610-1094	10/30/97	10/30/98
Open test side (Antenna, Amplify, cable calibrated together)				05/15/97	05/15/98

The level of confidence of 95%, the uncertainty of measurement of radiated emission is ±4.96 dB.

Test Result: Pass (Appendix A)

Appendix A

Radiated Emission Test Result: (Horizontal)

Test Conditions:

Testing room : Temperature : 23. ° C Humidity : 62 % RH
 Testing site : Temperature : 25. ° C Humidity : 85% RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB

35.325	40.09	1.00	47	-8.67	31.42	40.00	-8.58
42.362	41.90	1.00	198	-10.02	31.88	40.00	-8.12
43.345	40.88	1.00	240	-10.28	30.60	40.00	-9.4
47.284	37.36	1.00	211	-11.33	26.03	40.00	-13.97
49.254	37.22	1.00	329	-11.86	25.36	40.00	-14.64
51.221	40.31	1.00	188	-12.28	28.03	40.00	-11.97
51.160	45.51	1.00	49	-12.27	33.24	40.00	-6.76
302.215	39.89	1.00	134	-7.88	32.01	46.00	-13.99

Note:

1. Margin = Amplitude - limit, *if margin is minus means under limit.*
 2. Corrected Amplitude = Reading Amplitude + Correction Factors
 3. Correction factor = Antenna factor + (Cable Loss - Amplitude gain)
- (For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)

Radiated Emission Test Result: (Vertical)

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	Class B limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB

35.325	41.70	1.00	351	-8.67	33.03	40.00	-6.97
42.362	44.58	1.00	66	-10.02	34.56	40.00	-5.44
43.345	46.55	1.00	323	-10.28	36.27	40.00	-3.73
47.284	48.36	1.00	224	-11.33	37.03	40.00	-2.97
49.254	48.87	1.00	24	-11.86	37.01	40.00	-2.99
51.221	40.81	1.00	168	-12.28	28.53	40.00	-11.47
51.160	49.28	1.00	280	-12.27	37.01	40.00	-2.99
302.215	48.94	1.00	2	-7.88	41.06	46.00	-4.94

Final statement:

This test report, measurements made by TRC are traceable to the NIST.