



Test Report:

1W04294.1

Applicant:

Guillemot Corporation
5505 Boulevard St. Laurent
Montreal, Quebec
H2T 1S6

**Equipment Under Test:
(EUT)**

NASCAR PRO Victory Steering Wheel Radio
THRUSTMASTER NASCAR K9905
900 MHz RF Wheel

In Accordance With:

FCC Part 15, Subpart C, 15.249

Tested By:

Nemko Canada Inc.
3325 River Road, R.R. 5
Ottawa, Ontario K1V 1H2

Authorized By:

A handwritten signature in blue ink that reads "Russell Grant".

R. Grant, Wireless Group Manager

Date:

October 18, 2001

Authorized Copy:

Soft Copy

EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Table Of Contents

Section 1. Summary Of Test Results.....3

Section 2. General Equipment Specification5

Section 3. Radiated Emissions.....9

Section 4. Block Diagrams12

Section 5. Test Equipment List13

*EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"
THRUSTMASTER NASCAR K9905 900 MHz RF Wheel*

Section 1. Summary Of Test Results

General

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 15.249. All tests were conducted using measurement procedure ANSI C63.4-1992. Radiated Emissions were made on an open area test site. A description of the test facility is on file with the FCC.

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

See " Summary of Test Data".



TESTED BY:

Glen Westwell, Wireless Technologist

DATE: October 18, 2 001

Nemko Canada Inc., a testing laboratory, is accredited by the Standards Council of Canada. The tests included in this report are within the scope of this accreditation. The results apply only to the samples tested.

Nemko Canada Inc. authorizes the above named company to reproduce this report provided it is reproduced in its entirety and for use by the company's employees only.

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Nemko Canada Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

This report applies only to the items tested.

EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Summary Of Test Data

Name Of Test	Para. No.	Result
Radiated Emissions	15.249	Complies

Test Conditions:

Indoor Temperature: 23 °C
 Humidity: 38 %

Outdoor Temperature: 20 °C
 Humidity: 46 %

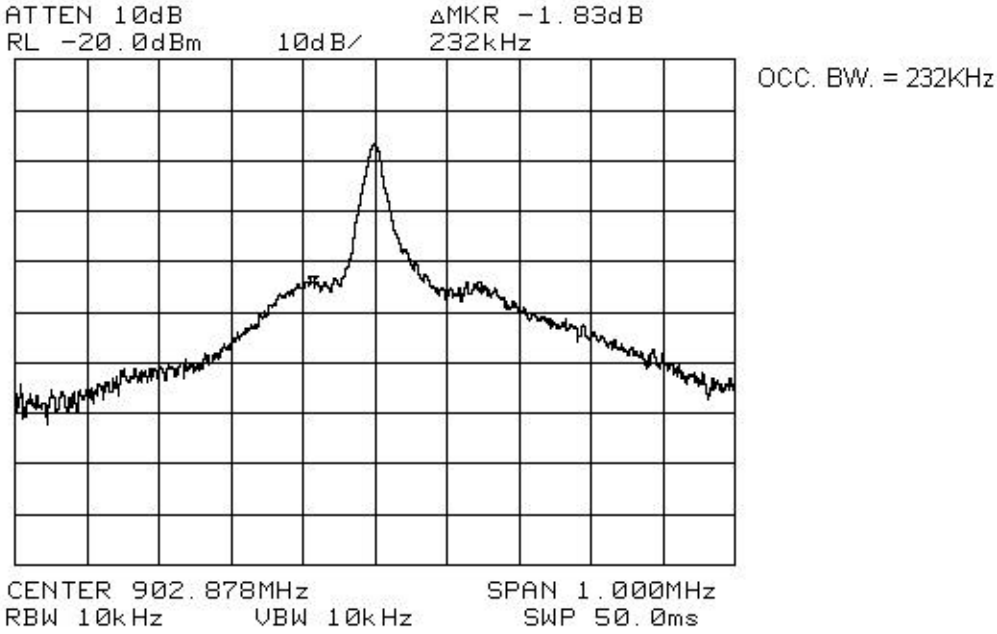
EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Section 2. General Equipment Specification

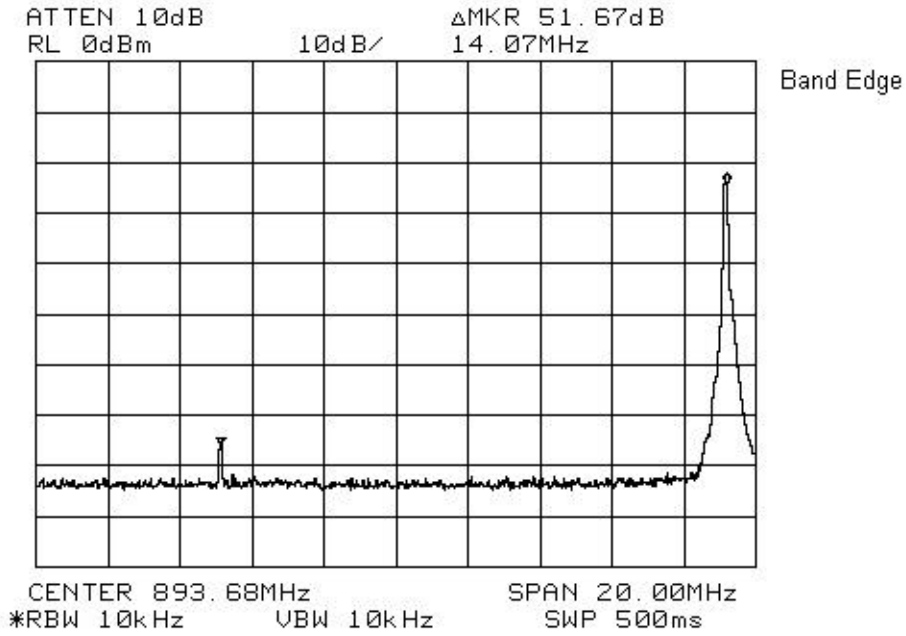
Manufacturer:	Guillemot Corporation
Model No.:	THRUSTMASTER NASCAR K9905 900 MHz RF Wheel
Serial No.:	None
Date Received In Laboratory:	September 5, 2001
Nemko Identification No.:	Item #4
Tx Frequency:	902.8 MHz
Power:	4 x 1.5 Vdc Batteries
Emission Designator:	232KL3D

EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"
THRUSTMASTER NASCAR K9905 900 MHz RF Wheel



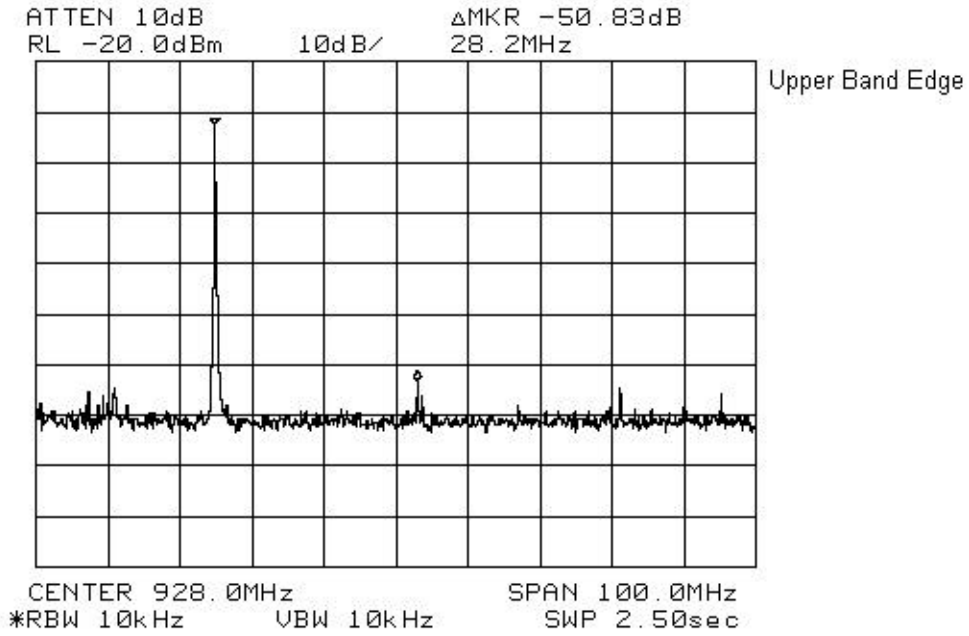
EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel



EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel



EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Section 3. Radiated Emissions

Para. No.: 15.249

Test Performed By: Glen Westwell	Date of Test: October 2, 2001
---	--------------------------------------

Minimum Standard:

Fundamental (MHz)	Field Strength (mV/m)	Field Strength (dBµV)	Harmonic (mV/m)	Harmonic (dBµV)
902-928	50	94	0.5	54

Test Results: Complies.

Measurement Data: See attached tabulated data.

EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Test Data - Radiated Emissions

Test Distance (meters) : 3		Range: A Tower		Receiver: ESVP/8565E		RBW(kHz): 120/1000		Detector: CISPR/Peak	
Freq. (MHz)	Ant. *	Pol. (V/H)	RCVD Signal (dBµV/m)	Ant. Factor (dB)**	Amp. Gain (dB)***	Dist. Corr. (dB)	Field Strength (dBµV/m)	Limit (dBµV/m)	Margin (dB)
902.88	L/P1	V	60.0	27.0			87.0	94.0	7.0
902.88	L/P1	H	57.3	27.0			84.3	94.0	9.7
931.1	E/D4	V	9.5	31.8			41.3	46.0	4.7
931.1	E/D4	H	4.3	31.8			36.1	46.0	9.9
874.66	E/D4	V	9.6	31.2			40.8	46.0	5.2
874.66	E/D4	H	6.1	31.2			37.3	46.0	8.7
1805.8	Hrn2	V	69.2	31.0	-48.5		51.7	54.0	2.3
1805.8	Hrn2	H	68.5	31.0	-48.5		51.0	54.0	3.0
2708.68	Hrn2	V	73.2	34.6	-59.7		48.1	54.0	5.9
2708.68	Hrn2	H	68.2	34.6	-59.7		43.1	54.0	10.9
3611.47	Hrn2	V	67.5	38.4	-59.8		46.1	54.0	7.9
3611.47	Hrn2	H	61.4	38.4	-59.8		40.0	54.0	14.0
4514.41	Hrn2	V	55.8	40.2	-56.4		39.6	54.0	14.4
4514.41	Hrn2	H	49.3	40.2	-56.4		33.1	54.0	20.9

Notes:

B/C = Biconical, B/L = Biconilog, L/P = Log-Periodic, H = Horn, D/P = Dipole

* Re-measured using dipole antenna.

** Includes cable loss when amplifier is not used.

*** Includes cable loss.

() Denotes failing emission level.

N.D. = Not Detected

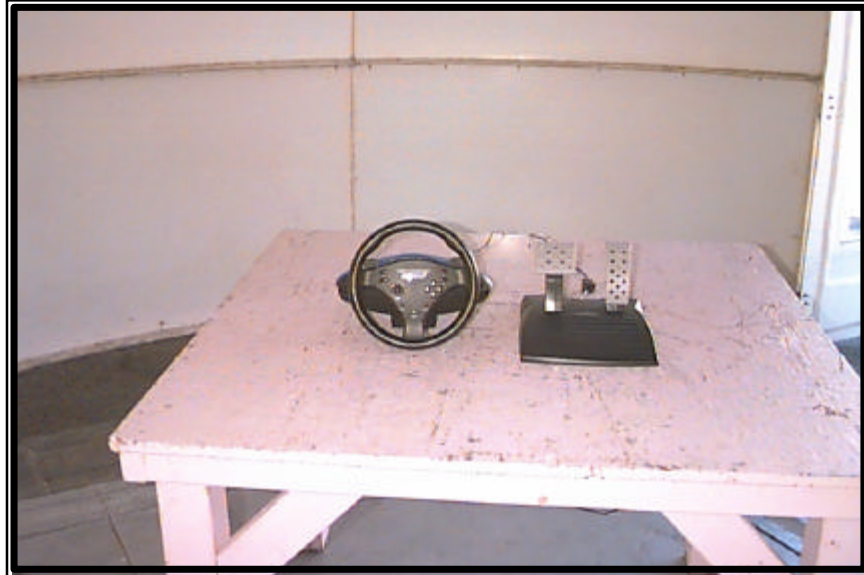
All harmonics and spurious emissions were searched up to the 10th harmonic.

EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Radiated Emissions Photographs

Front View:



Rear View:

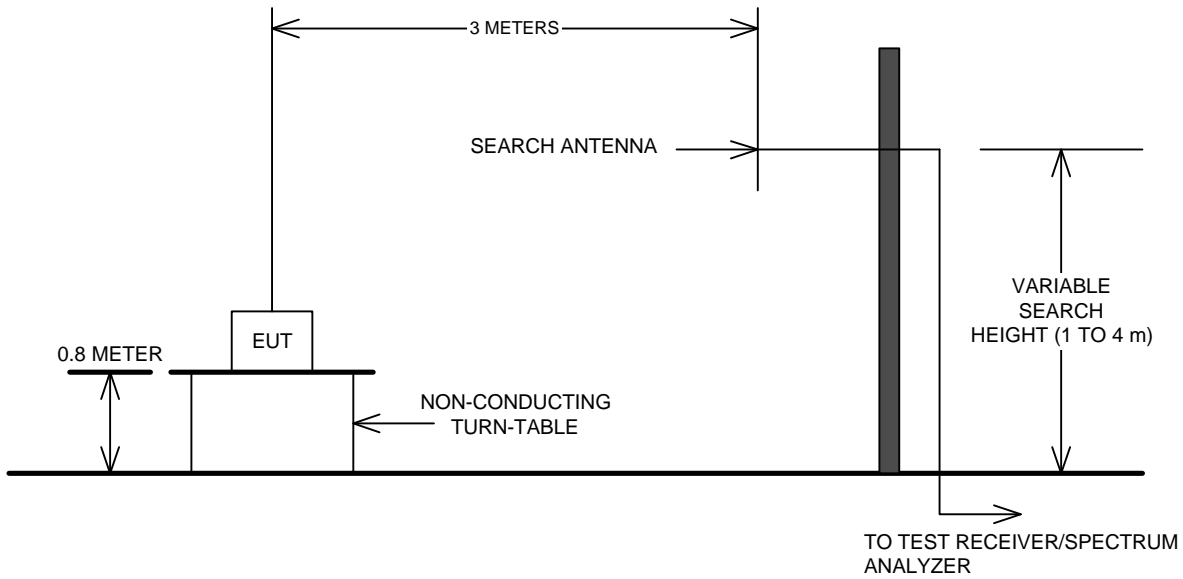


EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Section 4. Block Diagrams

Test Site For Radiated Emissions



The spectrum was search up to the 10th harmonic of the fundamental frequency of operation.

EQUIPMENT: "NASCAR PRO Victory Steering Wheel Radio"

THRUSTMASTER NASCAR K9905 900 MHz RF Wheel

Section 5. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	LAST CAL.	NEXT CAL.
1 Year	Spectrum Analyzer	Hewlett Packard	8565E	FA000981	June 08/01	June 08/02
1 Year	Spectrum Analyzer-1	Hewlett Packard	8566B	2311A02238	Dec. 10/00	Dec. 10/01
1 Year	Spectrum Analyzer Display-1	Hewlett Packard	8566B	2314A04759	Dec. 10/00	Dec. 10/01
1 Year	Quasi-peak adapter-1	Hewlett-Packard	85650A	2043A00302	Dec. 14/00	Dec. 14/01
1 Year	Receiver	Rohde & Schwarz	ESVP	892661/014	Apr. 3/01	Apr. 3/02
1 Year	Horn Antenna	EMCO #2	3115	4336	Dec. 1/00	Dec. 1/01
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141	Aug. 28/01	Aug. 28/02
1 Year	Dipole Antenna Set	EMCO #2	3121C	FA001349	Apr. 3/01	Apr. 3/02
1 Year	RF AMP	JCA	2-4 GHz	FA001496	COU	COU
1 Year	RF AMP	JCA	1-2 GHz	FA001498	COU	COU
1 Year	RF AMP	JCA	4-8 GHz	FA001497	COU	COU
	High Pass Filter (1.7GHz)	K&L	3DH1-2000	FA001434	COU	COU

NA: Not Applicable
 NCR: No Cal Required
 COU: CAL On Use