



Test Report: 4W07778.1

Applicant: Tecnord S.r.l
Via Decorati al Valor Militare, 3
Baggiovara, MO, Italy 41040

**Equipment Under Test:
(EUT)** RC-TRS-RX, 458MHz Receiver

In Accordance With: FCC Part 15, Subpart B, 15.109

Tested By: Nemko Canada Inc.
303 River Road, R.R. 5
Ottawa, Ontario K1V 1H2

A handwritten signature in blue ink, appearing to read 'Kevin Carr'.

Authorized By: Kevin Carr, EMC Specialist

Date: 3 February 2004

Total Number of Pages: 10

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EQUIPMENT: RC-TRS-RX, 458MHz Receiver

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, Subpart B. Measurement procedure ANSI C63.4-1992 was used for all tests. Radiated Emissions were measured 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: 3 February 2004

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This report applies only to the items tested.



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.

EQUIPMENT: RC-TRS-RX, 458MHz Receiver

Summary Of Test Data

Name Of Test	Para. No.	Results
Antenna Conducted Emissions	15.111	N/A (1)
Radiated Emissions	15.109	Complies
Powerline Conducted Emissions	15.107	N/A (2)

Note:

(1) This device does not have access for conducted measurements.

(2) This device is DC powered 12-24Vdc.

Test Conditions:

Indoor

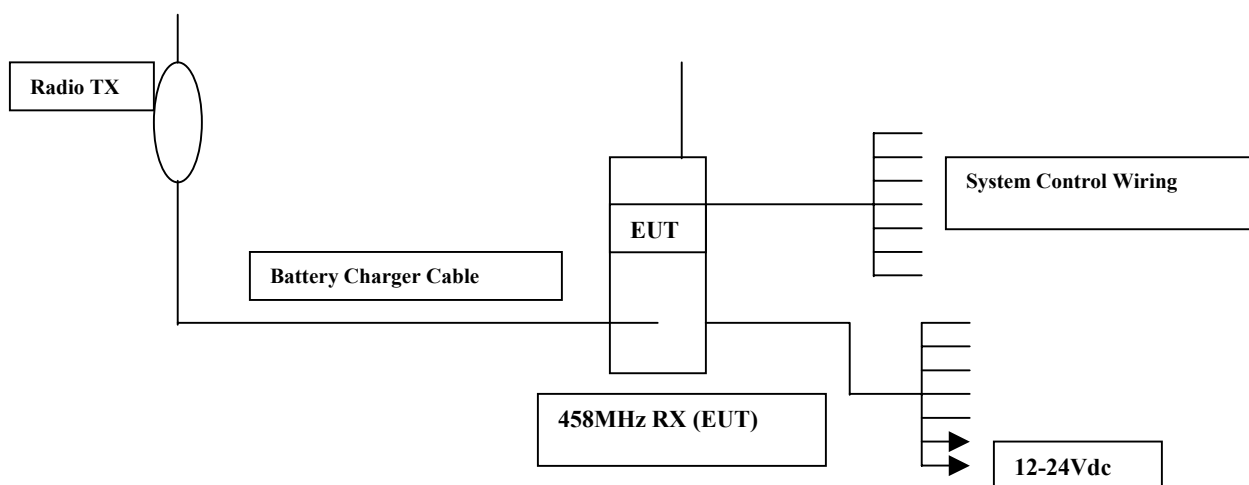
Temperature: 24°C

Humidity: 2%

Outdoor

Temperature: 10°C

Humidity: 64%



EQUIPMENT: RC-TRS-RX, 458MHz Receiver

Section 2. General Equipment Specification

Manufacturer:	Technord
Model No.:	RC-TRS-RX, 458MHz Receiver
Serial No.:	Sample#3
Date Received In Laboratory:	07 Jan. 2004
Nemko Identification No.:	#3
Receive Frequency Range:	458.525-458.775MHz
Receive Frequency of EUT(s):	458.675MHz (fixed)
Supply Voltage:	12-24Vdc.

Section 3. Radiated Emissions**Para. No.: 15.109(a)****Test Performed By: Glen Westwell****Date of Test: 19 Jan. 2004****Minimum Standard:**

Frequency(MHz)	Field Strength (dBµV/m @ 3m)
30 - 88	40.0
88 - 216	43.5
216 - 960	46.0
Above 960	54.0

Test Results: Complies.**Measurement Data:** See attached table.

All emissions were searched from 30MHz to5GHz.

The EUT was searched on 3 orthogonal axis, worst case data has been presented.

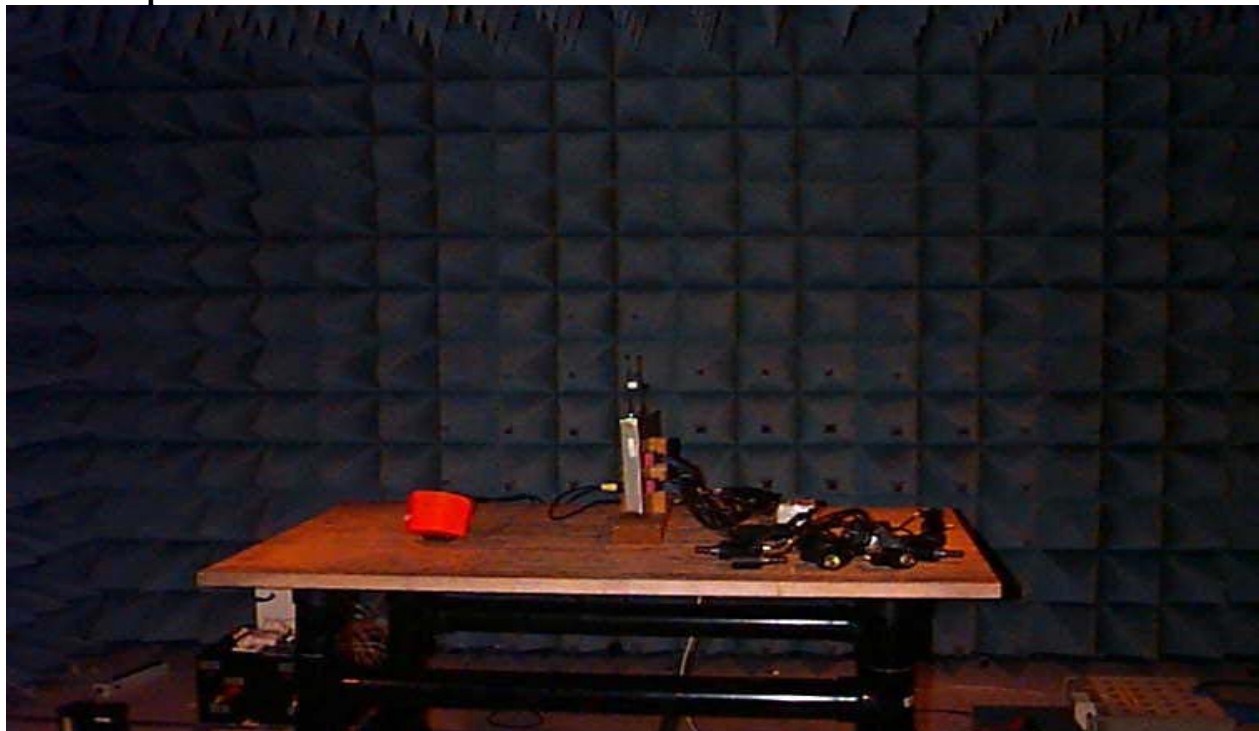
The DC supply was varied +/- 15% to verify worst case emissions.

EQUIPMENT: RC-TRS-RX, 458MHz Receiver

Test Date: 19 Jan. 2004											
Engineer's Name: G.W.											
Tested as per: Table Top											
Test Distance (meters): 3							Range: A				
Emissions within 20 dB of the limit have been recorded.											
Freq. (MHz)	Ant.	Pol. V/H	RCVD Signal (dBμV)	Ant. Factor (dB)	Amp. Gain (dB)	Cable Loss (dB)	Field Strength (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Det.	Amp
112.4000	BC1	V	19.7	11.4	N/A	1.3	32.4	43.5	11.1	Q-Peak	None
112.4000	BC1	H	17.3	10.9	N/A	1.3	29.5	43.5	14.0	Q-Peak	None
176.6300	BC1	V	15.0	13.1	N/A	1.7	29.8	43.5	13.7	Q-Peak	None
176.6300	BC1	H	12.0	12.4	N/A	1.7	26.1	43.5	17.4	Q-Peak	None
437.2770	LP1	V	10.2	16.1	N/A	2.7	29.0	46.4	17.4	Q-Peak	None
437.2770	LP1	H	12.1	16.8	N/A	2.7	31.6	46.4	14.8	Q-Peak	None
Note 1: Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole											
Note 2: Detector Legend: Q-Peak = 120 kHz RBW, Average = 1.0 MHz RBW											
Notes:											

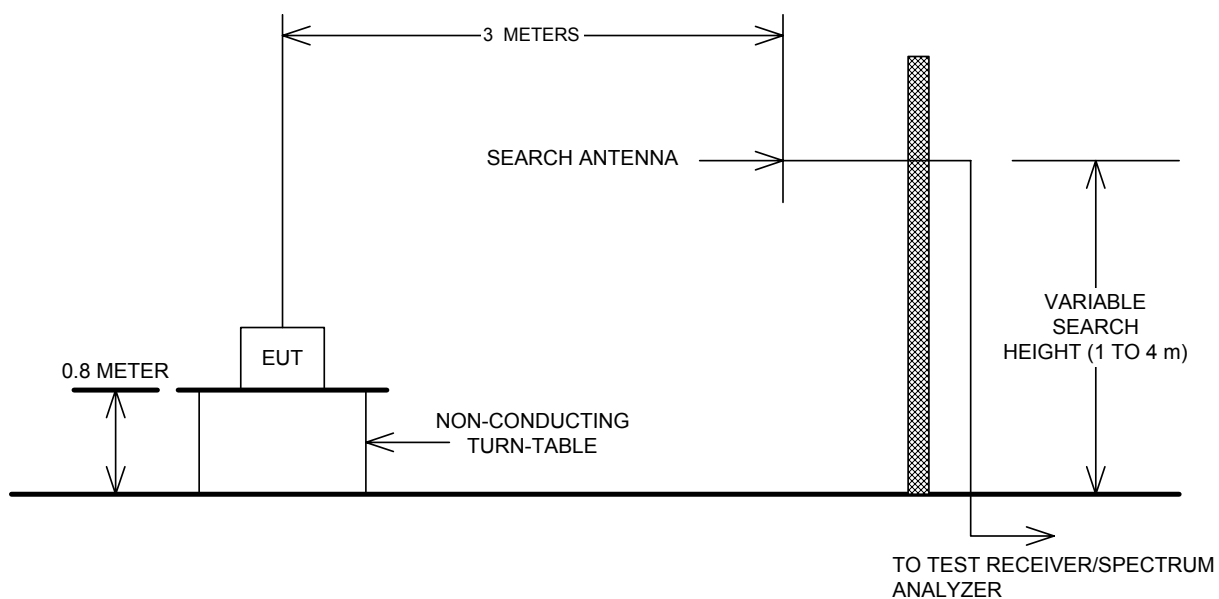
EQUIPMENT: RC-TRS-RX, 458MHz Receiver

Test Set Up Photos



Section 4. Block Diagrams

Outdoor Test Site For Radiated Emissions



EQUIPMENT: RC-TRS-RX, 458MHz Receiver

Section 5. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	LAST CAL.	NEXT CAL.
1 Year	Receiver	Rohde & Schwarz	ESVS-30	FA001437	July. 24/03	July. 24/04
1 Year	Spectrum Analyzer	Hewlett Packard	8565E	FA000981	03 Jul 03	03 Jul 04
1 Year	Horn Antenna	EMCO #1	3115	FA000649	18 Dec 03	18 Dec 04
1 Year	Log Periodic Antenna #1	EMCO	LPA-25	FA000477	Sept. 02/03	Sept. 02/04
1 Year	Biconical (1) Antenna	EMCO	3109	FA000805	April. 15/03	April. 15/04
1 Year	Spectrum Analyzer	Hewlett-Packard	8566B	FA001309	June. 05/03	June. 05/04
1 Year	Spectrum Analyzer Display	Hewlett-Packard	85662A	FA001309	June. 05/03	June. 05/04
NCR	Bilog	Schaffner	CBL6112B	FA001504	NCR	NCR