



Test Report: 4W07883


Applicant: Daniels Electronics Ltd.
43 Eire Street
Victoria, BC
V8V 1P8

Equipment Under Test: VT-3H035-S & VT-3H045-S
Transmitter

FCC ID: H4JVT-3H040-S

In Accordance With: **FCC Part 22,90 (Class II Permissive Change)**

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



Authorized By: Kevin Carr, EMC Specialist.

Date: 26 May 2004

Total Number of Pages: 12

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EQUIPMENT: VT-3H035-S & VT-3H045-S

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 22, 90.

New Submission

Production Unit

Class II Permissive Change

Pre-Production Unit

T	N	B
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Equipment Code

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. NONE
See " Summary of Test Data".



TESTED BY: _____ DATE: 26 May 2004
Glen Westwell, Wireless Specialist

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This report applies only to the items tested.

EQUIPMENT: VT-3H035-S & VT-3H045-S

Summary Of Test Data

Name Of Test	Para. No.	Result
RF Power Output	2.1046	N/A
Audio Frequency Response	2.1047	N/A
Modulation Limiting	2.1047	Complies
Occupied Bandwidth	2.1049	Complies
Spurious Emissions at Antenna Terminals	2.1051	N/A
Field Strength of Spurious Emissions	2.1053	N/A
Frequency Stability	2.1055	N/A

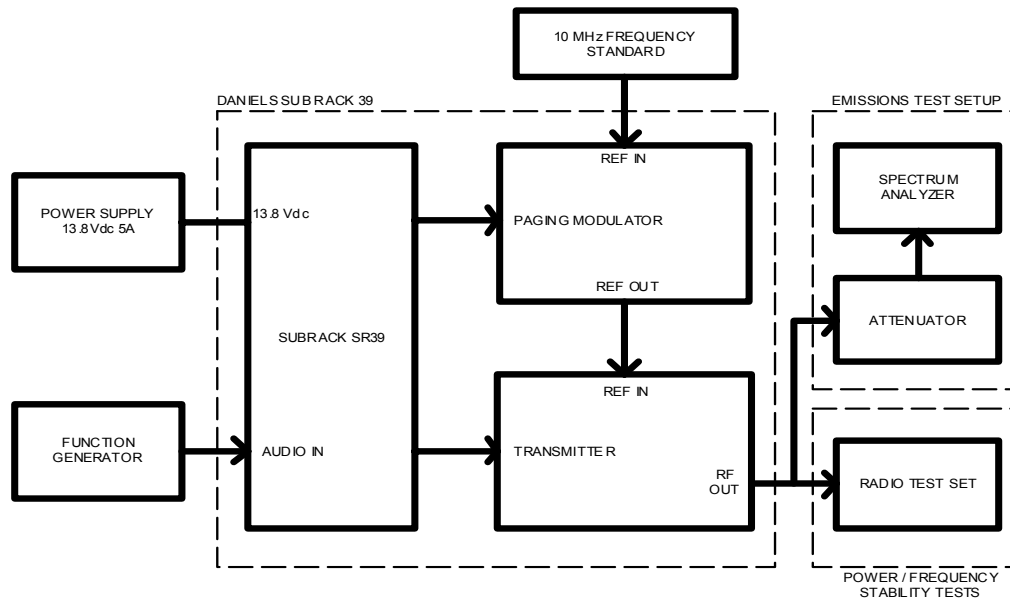
Notes:

This class II permissive change is to support the addition of emission designator Of 19k0F3E to the original filing. As such, only relevant test data has been provided in this report.

Emission Designator (FM voice): $2M+2DK = (2 \times 3000) + (2 \times 6500 \times 1) = 19000$.

Indoor Temperature: 24°C
 Humidity: 43 %

Test Arrangement Diagram :



Section 2. General Equipment Specification

Manufacturer: Daniels Electronics Ltd.

Model No.: VT-3H035-S & VT-3H045-S

Serial No.: #4217 & #4215

Date Received In Laboratory: 10 May 2004

Nemko Identification No.: 1&2

Primary Power: 13.8Vdc

Modulation: FM

Emission Designator: 19K0F3E

Power Output (maximum): 3.0W, (34.8dBm)
Channel Spacing: 25 kHz

Frequency Range: 29-50MHz

EQUIPMENT: VT-3H035-S & VT-3H045-S

Section 3. Modulation Limiting

Para. No.: 2.1047

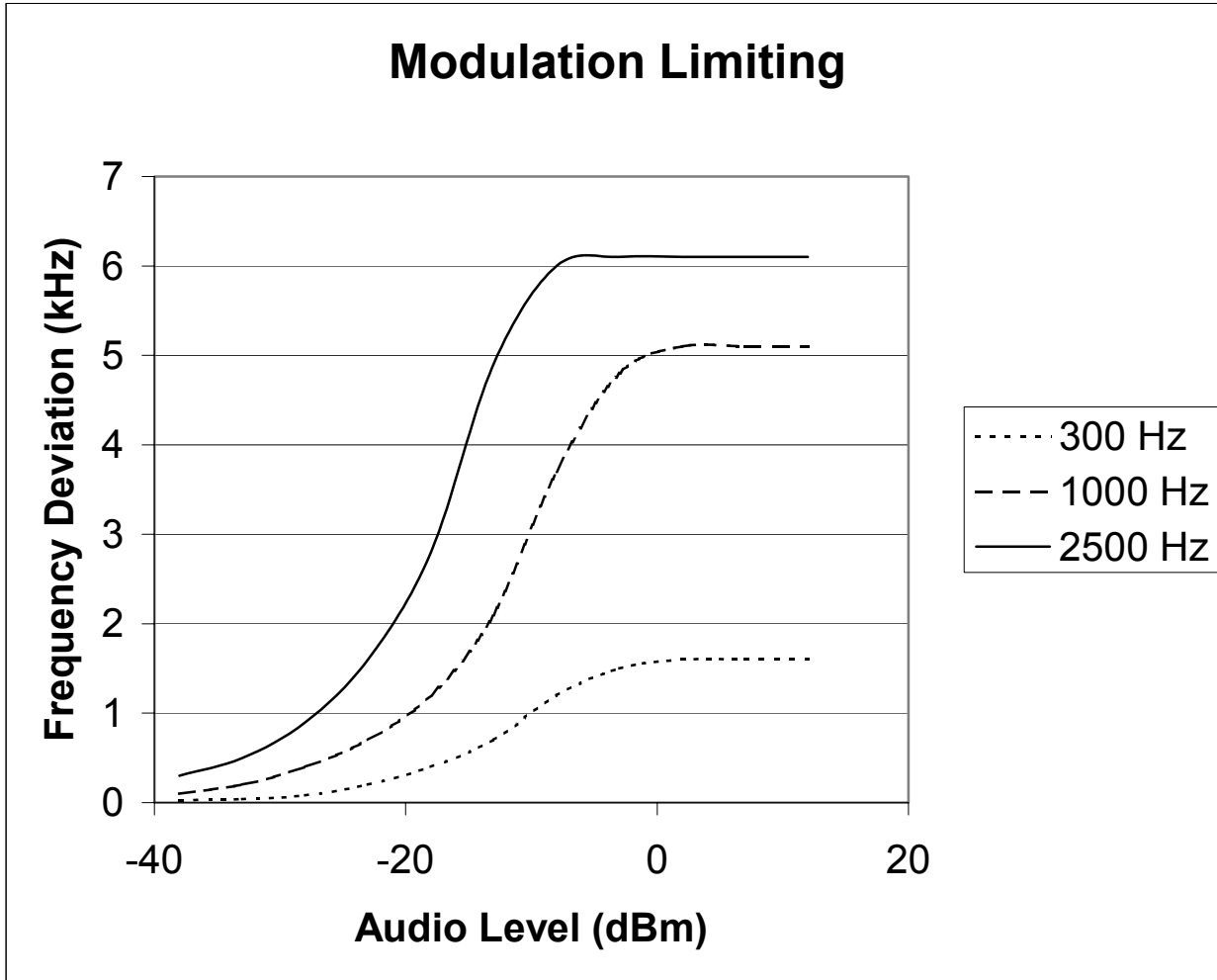
Test Performed By: Glen Westwell	Date of Test: 17 May 2004
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Minimum Standard: N/A

Test Results: Complies

Measurement Data: See attached graph.

EQUIPMENT: VT-3H035-S & VT-3H045-S



EQUIPMENT: VT-3H035-S & VT-3H045-S

Section 4. Occupied Bandwidth

Para. No.: 2.1049

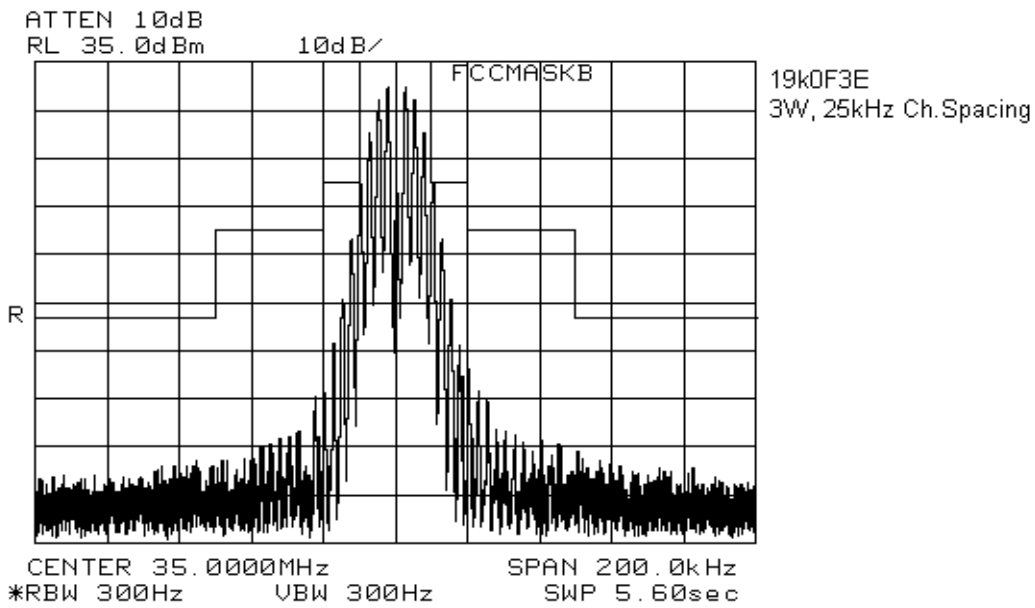
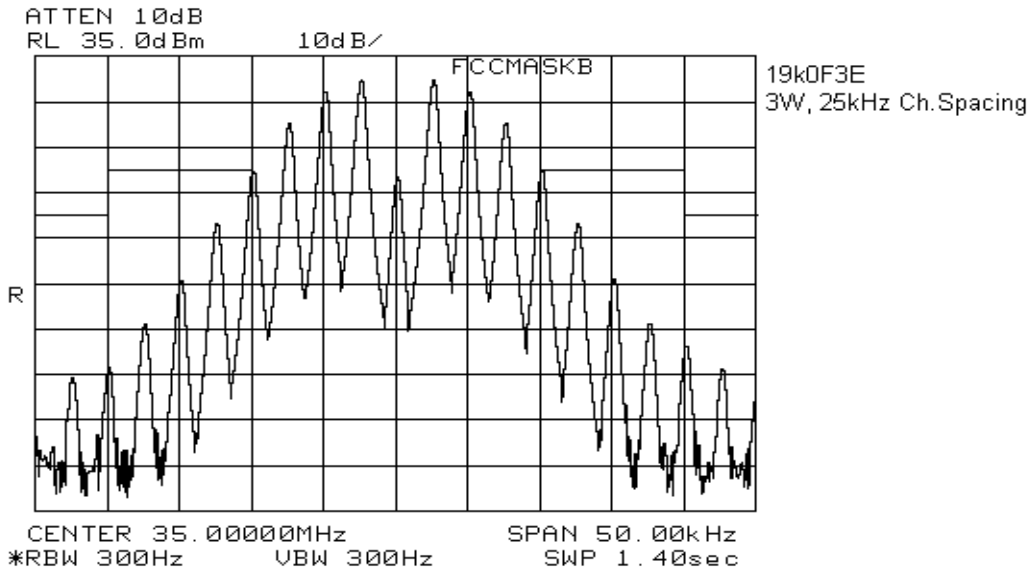
Test Performed By: Glen Westwell	Date of Test: 17 May 2004
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Minimum Standard: Mask B

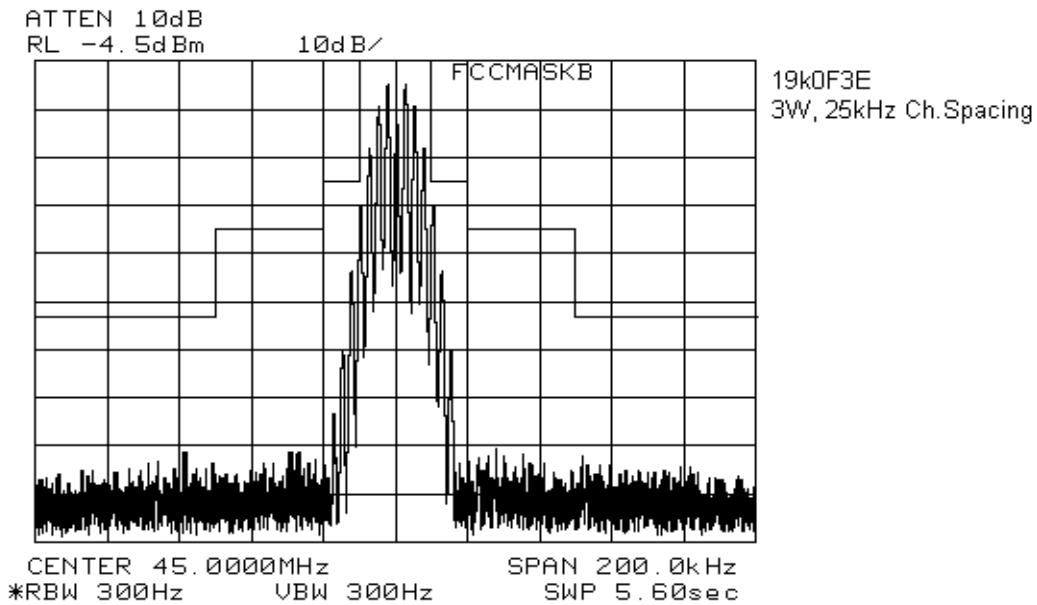
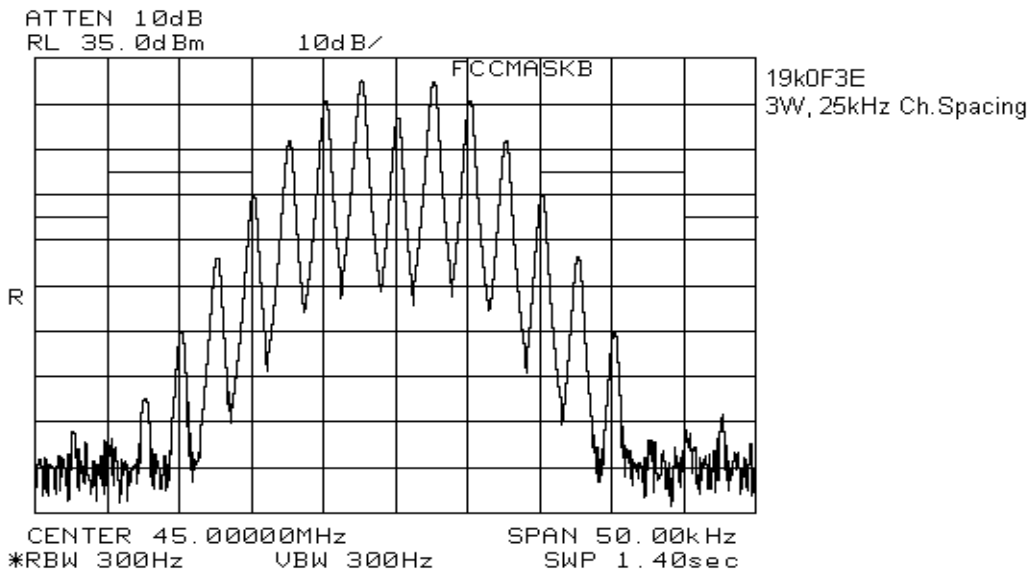
Test Results: Complies

Measurement Data: See attached graphs.

EQUIPMENT: VT-3H035-S & VT-3H045-S



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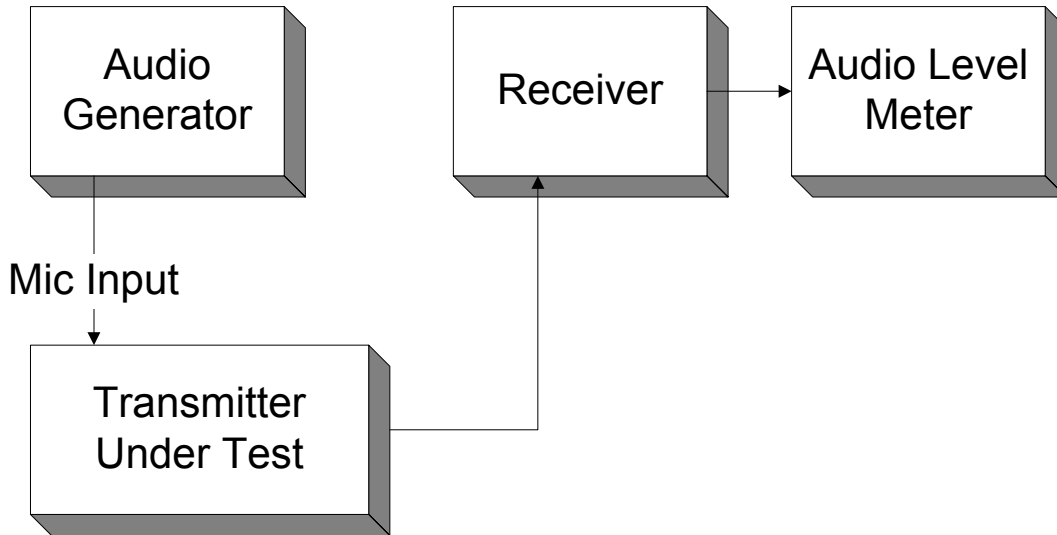
Section 5. Test Equipment List

RADIO TEST EQUIPMENT LIST

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	Last Cal.	Next Cal.
1 Year	Spectrum Analyzer	Hewlett Packard	8564E	FA01367	13 May 03	13 Aug 04
1 Year	Radio Communications	Rohde & Schwarz	CMTA 54	FA001317	17 Oct 03	17 Oct 04
1 Year	Attenuator	Winschel	47-10-34	FA001740	COU	COU
1 Year	Attenuator	Narda	769-20	FA001394	COU	COU
1 Year	Power Sensor	Hewlett Packard	8487A	FA001419	02 Feb 04	02 Feb 05
1 Year	Power Meter	Hewlett Packard	E4418B	FA001678	27 Feb 04	27 Feb 05

Section 6. Test Diagrams

Para. No. 2.1047 - Modulation Limiting



Para. No. 2.1049 - Occupied Bandwidth

