

TIMCO ENGINEERING INC.

849 NW State Road 45

Newberry, Florida 32669

<http://www.timcoengr.com>

888.472.2424 F 352.472.2030 email: sid@timcoengr.com

Test Report

Product Name: VHF RADIO

FCC ID: 07KPL5161

Applicant:

**MIDLAND RADIO CORP.
1120 CLAY STREET NORTH
KANSAS CITY MISSOURI 64116
USA**

Date Receipt: 5/19/2006

Date Tested: 6/21/2006

APPLICANT: MIDLAND RADIO CORP.

FCC ID: 07KPL5161

REPORT #: V:\M\MIDLAND_07K\1064UT6\1064UT6TestReport.doc

COVER SHEET

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EXHIBITS CONTAINING:

CLASS II PERMISSIVE CHANGE REQUEST LETTER

BLOCK DIAGRAM

SCHEMATIC

PARTS LIST

TEST SET UP PHOTOGRAPH

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Part 2.1053 Field strength of spurious emissions:

NAME OF TEST: RADIATED SPURIOUS EMISSIONS

REQUIREMENTS: 25kHz Channel Spacing = $43+10(\log)5.3 = 50.25$
12.5kHz Spacing = $50+10(\log)5.3 = 57.25$

TEST DATA:

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
148.025	0	0
296.050	V	72.67
444.075	V	71.65
592.100	V	80.05
740.125	V	82.53
888.150	V	91.84
1036.175	V	87.26

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
162.025	0	0
324.050	V	71.95
486.075	V	73.07
648.100	V	80.09
810.125	V	76.05

Emission Frequency MHz	Ant. Polarity	dB Below Carrier (dBc)
173.9875	0	0
347.9750	V	63.75
521.9625	V	72.56
695.9500	H	83.67
869.9375	V	87.19

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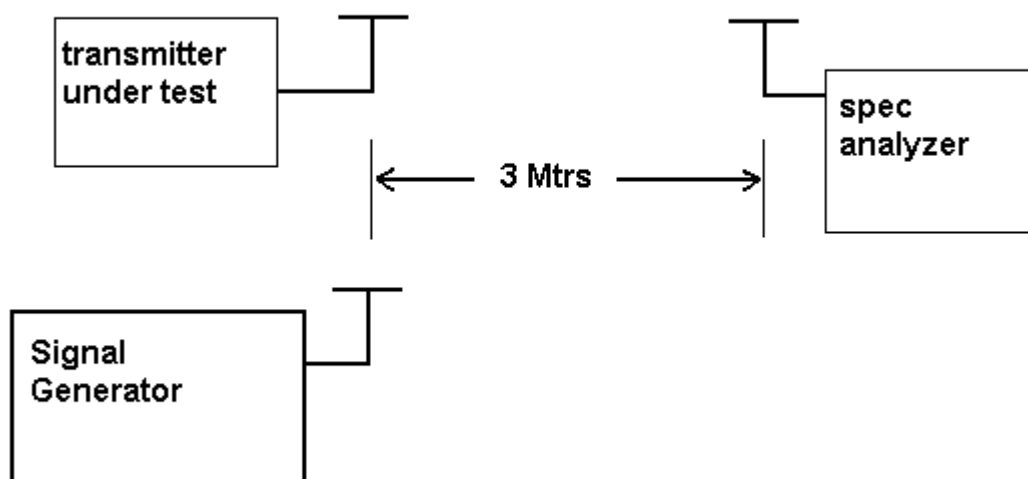
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Method of Measuring Radiated Spurious Emissions



METHOD OF MEASUREMENTS: The tabulated data shows the results of the radiated field strength emissions test. The spectrum was scanned from 30 MHz to at least the tenth harmonic of the fundamental. This test was conducted per TIA/EIA STANDARD 603 using the substitution method. Measurements were made at the open field test site of TIMCO ENGINEERING, INC. located at 849 NW State Road 45, Newberry, FL 32669.

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EMC Equipment List

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
Analyzer Tan Tower Spectrum Analyzer	HP	8566B Opt 462	3138A07786 3144A20661	CAL 12/7/05	12/7/07
Analyzer Tan Tower RF Preselector	HP	85685A	3221A01400	CAL 12/7/05	12/7/07
Analyzer Tan Tower Quasi- Peak Adapter	HP	85650A	3303A01690	CAL 12/8/05	12/8/07
Analyzer Tan Tower Preamplifier	HP	8449B-H02	3008A00372	CAL 12/8/05	12/8/07
Antenna: Biconnical	Electro-Metrics	BIA-25	1171	CAL 4/29/05	4/29/07
Antenna: Log- Periodic	Electro-Metrics	LPA-25	1122	CAL 8/26/04	8/26/06
Antenna: Double-Ridged Horn	Electro-Metrics	RGA-180	2319	CAL 12/29/04	12/29/06
LISN	Electro-Metrics	ANS-25/2	2604	CAL 8/27/04	8/27/06
Termaline Wattmeter	Bird Electronic Corporation	611	16405	CAL 7/16/04	7/16/06

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