

TEST NUMBER - 333-03

TEST REPORT TO

**INDUSTRY CANADA RSS 210 SECTION 6.2.2(k)
FEDERAL COMMUNICATIONS COMMISSION CFR47 PART15.239**

**Low Power License-Exempt Radiocommunication Devices
Intentional Radiators 88-108 MHz Band**

for

Arkon Resources, Inc.
20 La Porte St.
Arcadia, CA 91006
626-254-9005

of

88-95 MHz FM Modulator

SF 150

FCC ID: ME2-SF150

on

12/15/03

Tested by

Clifton P. Brick

Reviewed by

Larry K. Stillings

This report may not be duplicated, except in full without written permission from Compliance Worldwide, Inc.

TEST NUMBER - 333-03

TABLE OF CONTENTS

- Test Description
- Test Results and Conclusions
- Test Procedures
- RSS 210 /Part 15 Subpart C Test Limits
- Test Facility Description
- Test Setup and Connection Information
- Test Measurements and Results
 - Radiated Measurements
 - Radiated Output Power & Occupied Bandwidth
 - Conducted Measurements
- Notes and Comments

TEST NUMBER - 333-03

TEST DESCRIPTION

1. TEST OBJECTIVE

To test the 88-95 MHz FM Modulator SF 150 to RSS 210 / Part 15 Subpart C Rules and write a report.

2. E.U.T. DESCRIPTION

GENERAL

The 88-95 MHz FM Modulator SF 150 is a short range low power transmitter used to allow a portable audio device to be linked with a broadcast band stereo receiver.

SERIAL NUMBERS:

Pre Production Prototype

TEST NUMBER - 333-03

TEST RESULTS AND CONCLUSIONS

PRODUCT TESTED - 88-95 MHz FM Modulator

MODEL NUMBER - SF 150

RADIATED TEST RESULTS

The test results show that the emissions radiated from this equipment are in compliance with IC Rules RSS 210 / FCC Rules Part 15 Subpart C.

OCCUPIED BANDWIDTH & OUTPUT POWER

The test results show that the occupied bandwidth and output power of this equipment are in compliance with IC Rules RSS 210 / FCC Rules Part 15 Subpart C .

CONDUCTED TEST RESULTS

The test results show that the emissions conducted through the power line from this equipment are in compliance with IC Rules RSS 210 / FCC Rules Part 15 Subpart C.

ANALYSIS AND CONCLUSIONS

Based upon the radiated and conducted measurements we find that this equipment is within the limits of the IC Rules RSS 210 / FCC Rules Part 15 Subpart C. All results are based on a test of one sample, and represent other production units, only in as much as a sample represents other production units. If any significant changes are made to the unit, the changes shall be evaluated and a retest may be required.

NOTES (Special conditions unique to this test)

See modifications made and specific test conditions in the Notes section.

TEST NUMBER - 333-03

TEST PROCEDURES

1. TEST EQUIPMENT

- A. HP 8546A (9 kHz - 6.5 GHz) EMI Receiver w/ RF Filter Section, S/N 3704A00323 / 3650A00360. Calibration Date 12-28-2002, calibrated annually.
- B. Com-Power Biconilog Antenna, Model AC220, S/N 25509. Calibration Date 3-11-2003, calibrated annually.
- C. EMC0 LISN, Model EM 3825/2, S/N 9109-1860. Calibration Date: 3-9-2003, calibrated annually.

2. FREQUENCY RANGE TO BE SCANNED.

- A. Radiated Test from 30 MHz to 40 GHz (or the 10th harmonic of the highest frequency whichever is lower).
- B. Conducted Test from 150 kHz to 30 MHz.

TEST NUMBER - 333-03

3. TEST PROCEDURES.

Radiated test procedure:

The EUT, associated cables and peripheral devices are placed on the supporting table and any support equipment is placed off the site. The EUT is turned on and any necessary operating or test software installed and allowed to warm up. The EUT is pre-scanned in our ferrite tile lined chamber where it is rotated 360 degrees and examined in both horizontal and vertical polarization, all emission frequencies are identified and recorded. The EUT is then moved to the OATS and the frequency band from 30 MHz to 40 GHz is scanned, all frequencies identified in the chamber are investigated, as well as harmonic frequencies of the EUT. When an emission is found the emission is maximized by varying the bundle position of the connecting cables, the antenna height, the antenna polarization (vertical and horizontal) and the table orientation (360 degrees). The maximum reading is recorded and the next signal is searched for.

Conducted test procedure:

The power line of the EUT is connected to the LISN (Line Impedance Stabilization Network). A measurement of the emissions are made from the power line for both phase and neutral on the analyzer in the frequency range from 150 kHz to 30 MHz. The maximum readings are recorded for each phase.

All measurements are made according to the procedures defined in:
"ANSI C63.4-2001 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz"

TEST NUMBER - 333-03

RSS 210/ FCC Part 15 TEST LIMITS

- FCC Part 15.209, 15.235, 15.239, 15.249 Radiation Limits:
Limits are using a Quasi-Peak detector unless otherwise noted.

Frequency MHz	Distance meters	Limit dB μ V/m	Limit μ V/m
1.705 - 30	30	29.5*	30*
30 - 88	3	40.0	100
49.82 - 49.90	3	80.0*	10,000*
88-108	3	48.0*	250*
88 - 216	3	43.5	150
216 - 960	3	46.0	200
902 - 928	3	94.0*	50,000*
960 - 1000	3	54.0	500
1000 - 40000	3	54.0*	500*

*NOTE: Average Limits

- RSS 210 Section 6.6a Conduction Limits (Quasi-Peak):

Frequency MHz	Limit dB μ V/m	Limit μ V/m
0.450 - 30.0	48.0	250

FCC Part 15.207 Conduction Limits

Frequency MHz	Quasi-Peak Limit dB μ V	Average Limit dB μ V
0.150 - 0.500	66 to 56	56 to 46
0.500 - 5.0	56	46
5.0 - 30.0	60	50

TEST NUMBER - 333-03

TEST FACILITY DESCRIPTION

Compliance Worldwide is located on 357 Main Street in Sandown, New Hampshire. The conducted and radiated test sites, located at C.W. are used for Federal Communications Commission (FCC) testing and Industry Canada Testing. A site description is on file with the FCC in Columbia, MD USA. Site information is also on file with Industry Canada, anyone wishing to review this Test Facility Description is referred to file number **IC 3023**. This is currently on file at Industry Canada, 1241 Clyde Avenue, Ottawa, ON K2C 1Y3.

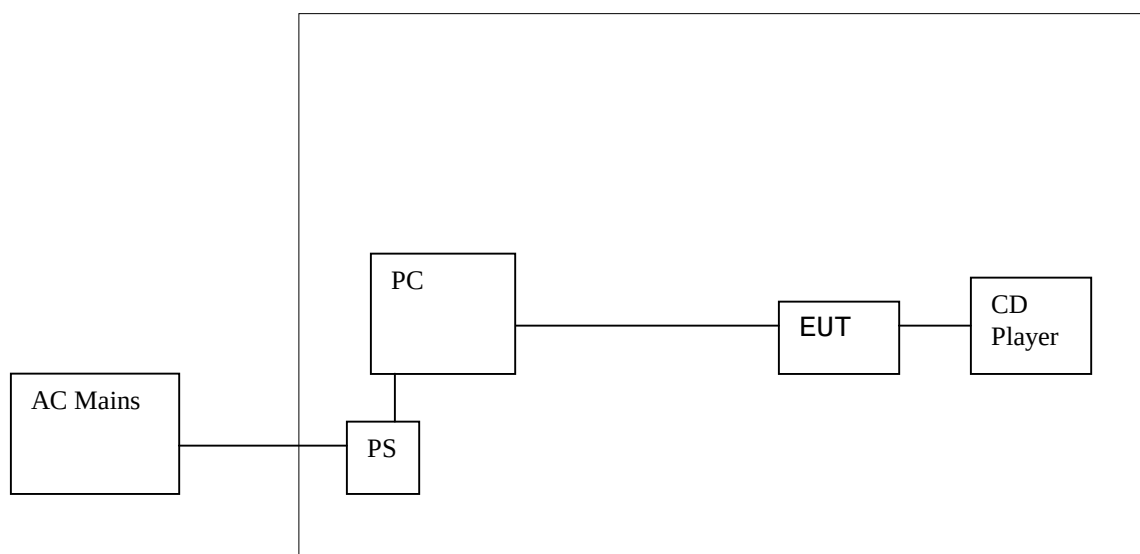
The radiated site is a 3/10 meter indoor site with an enclosure for the product and a basement for the personnel, support equipment and test equipment.

The conducted site is part of a 16' x 20' x 12' ferrite tile chamber and uses one of the walls for the vertical metal wall required by EN 55022.

Both sites are designed to test products or systems 1.5 meter x 1.0 meter, floor standing or table top.

TEST NUMBER - 333-03

**TEST SET UP
AND
PERIPHERAL CONNECTION INFORMATION**



PC used was Compaq Presario model 1600. Power supply, Compaq model PA-1600-19A, used for conducted measurements only, the addition/removal of power supply was found to have no effect on output field strength.

TEST NUMBER - 333-03

PLEASE NOTE - EUT (equipment under test) is Arkon SF-150
The cables directly connected to this equipment are listed below.

Connection Descriptions

1. Audio In Cable
(description)
EUT
(from device)
Auxiliary equipment (Sony Walkman D-EJ360)
(to device)
CABLE LENGTH 6.5" (S) SHIELDED or (U) UNSHIELDED U
2. USB Power Cable 2 wire DC Power only
(description)
EUT
(from device)
Compaq Presario PC model 1600
(to device)
CABLE LENGTH 31" (S) SHIELDED or (U) UNSHIELDED U
3. Power Cable /supply (conducted testing only)
(description)
Compaq Presario PC model 1600
(from device)
Compaq AC adapter Model PA-1600-19A
(to device)
CABLE LENGTH 5' (S) SHIELDED or (U) UNSHIELDED S
4. Power Cable /supply (conducted testing only)
(description)
Compaq AC adapter Model PA-1600-19A
(from device)
AC Mains
(to device)
CABLE LENGTH 5' (S) SHIELDED or (U) UNSHIELDED U

TEST NUMBER - 333-03

RADIATED TEST RESULTS

Frequency Range: 30 - 1000 MHz.

Measurement Distance: 3.0 Meters.

Bandwidth: 120 kHz, Per ANSI C63.4-1992.*

Detector Functions: Peak, Quasi Peak, Average

Video Filter: 300 kHz

Table Height: 0.8 meters

Antenna Height Variation: 1 - 4 Meters.

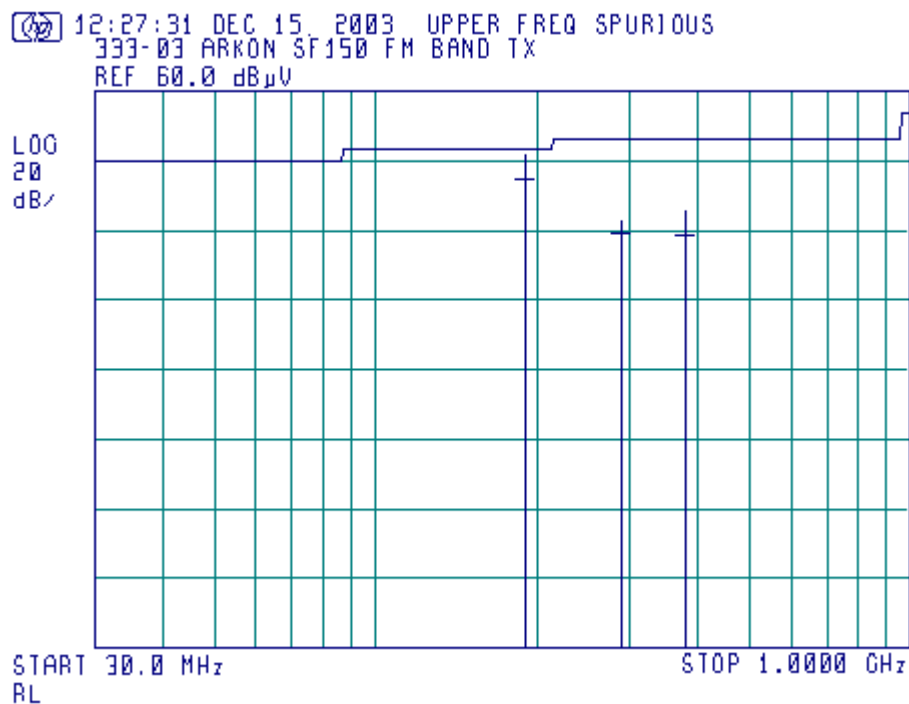
Horizontal and Vertical Polarization Measurements Taken, Worst Case shown.

*Measurement Bandwidth is 1 MHz above 1 GHz

PLEASE SEE NEXT PAGE FOR RADIATED TEST DATA

TEST NUMBER - 333-03

Upper Frequency Spurious Data Log Plot



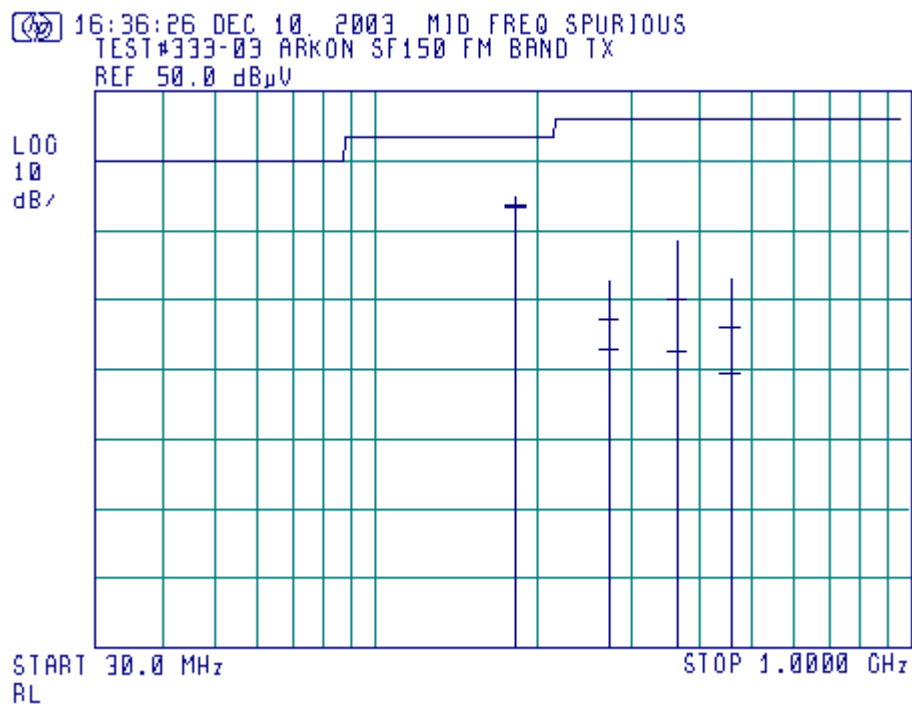
TEST NUMBER - 333-03

Upper Frequency Spurious Tabular Data

Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV)	QP Amp (dBuV)	QP Limit (dBuV)	QP Margin (dB)
190.935623	H	41.51	35.03	43.50	-8.47
286.412375	H	23.12	19.43	46.00	-26.57
381.894050	H	25.80	18.74	46.00	-27.26
All other harmonics through the 10 th greater than 20dB below limit.					

TEST NUMBER - 333-03

Mid Frequency Spurious Data Log Plot

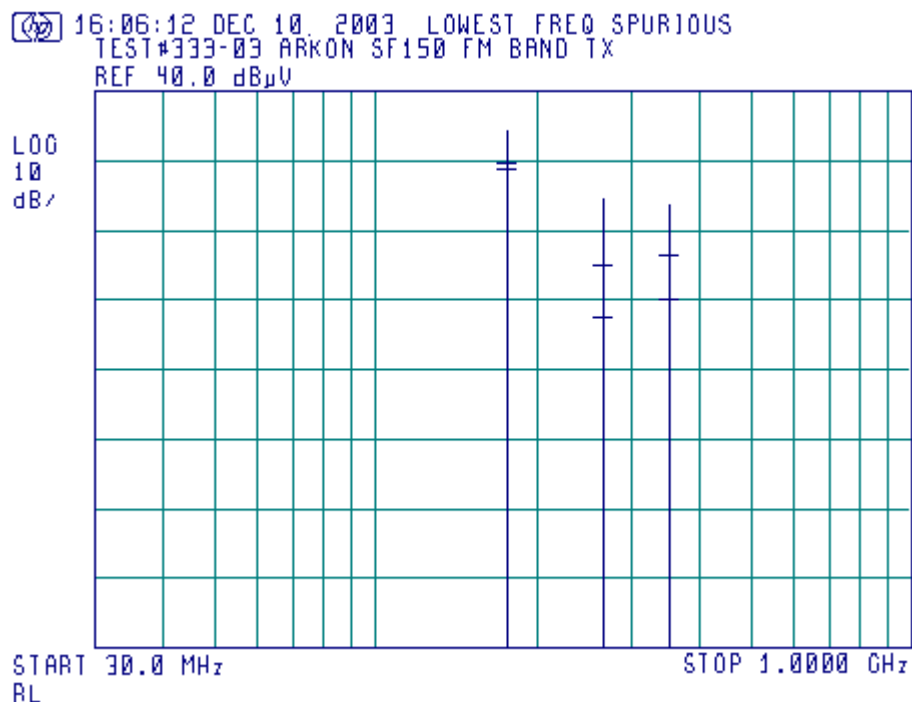


TEST NUMBER - 333-03

Mid Frequency Spurious Tabular Data

Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV)	QP Amp (dBuV)	QP Limit (dBuV)	QP Margin (dB)
182.190475	H	35.08	33.68	43.50	-9.82
273.272700	H	22.82	17.44	46.00	-28.56
364.307175	H	28.87	20.17	46.00	-25.83
455.307950	H	23.11	16.42	46.00	-29.58
All other harmonics through the 10 th greater than 20dB below limit.					

Lowest Frequency Spurious Data Log Plot



TEST NUMBER - 333-03

Lowest Frequency Spurious Tabular Data

Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV)	QP Amp (dBuV)	QP Limit (dBuV)	QP Margin (dB)
176.556450	H	34.17	30.21	43.50	-13.29
264.936850	H	24.51	15.28	46.00	-30.72
353.137150	H	23.94	16.61	46.00	-29.39
All other harmonics through the 10 th greater than 20dB below limit.					

TEST NUMBER - 333-03

RADIATED OUTPUT POWER & OCCUPIED BANDWIDTH TEST RESULTS

Frequency Range: 88.3-95.5 MHz.

Measurement Distance: 3.0 Meters.

Bandwidth: As Noted, Per ANSI C63.4-1992.

Detector Functions: Peak, Quasi Peak, Average.

Video Filter: 300 kHz

Table Height: 0.8 meters

Antenna Height Variation: 1 - 4 Meters.

Horizontal and Vertical Polarization Measurements Taken, Worst Case Reported.

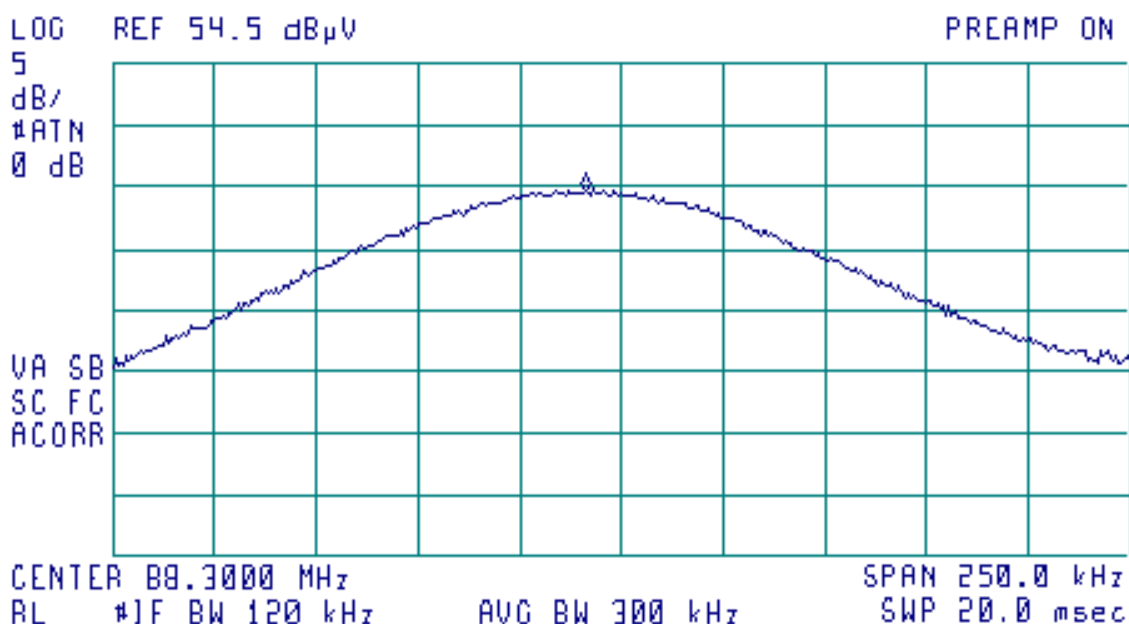
PLEASE SEE NEXT PAGE(S) FOR OCCUPIED BANDWIDTH RADIATED TEST DATA

TEST NUMBER - 333-03

Lowest Freq Output Power Plot

15:53:47 DEC 10, 2003 LOWEST FREQ OUTPUT FS
TEST#333-03 ARKON SF150 FM BAND TX

FREQ 88.29 MHz
PEAK 44.7 dBμV
QP 43.7 dBμV
AVG 43.1 dBμV



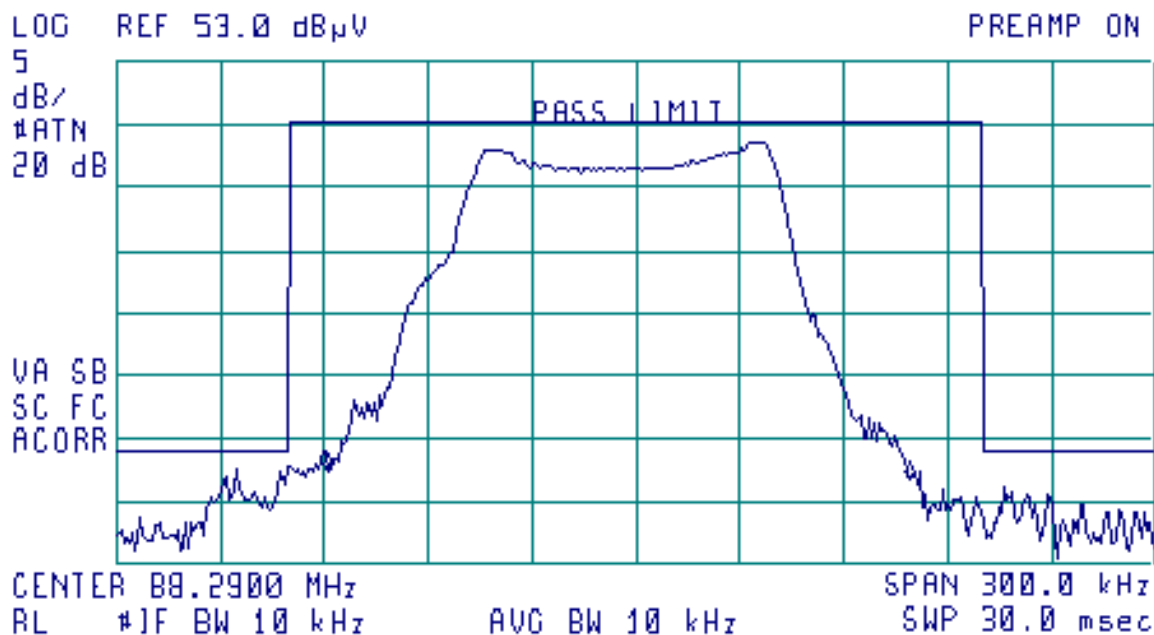
Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV/m)	Avg Amp (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)
88.30	H	44.7	43.1	48.0	-4.9

TEST NUMBER - 333-03

Channel A Occupied Bandwidth Plot

14:25:38 DEC 15, 2003 LOW FREQ BANDWIDTH
333-03 ARKON SF150 FM BAND TX

ACTV DET: PEAK
MEAS DET: PEAK
MKR Δ -167.3 kHz
.60 dB



Display shows a mask with the top limit at 48 dB μ V, and the lower flanks 200 kHz wide and 26 dB below the top limit. Also Marker Delta shows bandwidth 26 dB down from the peak measured amplitude.

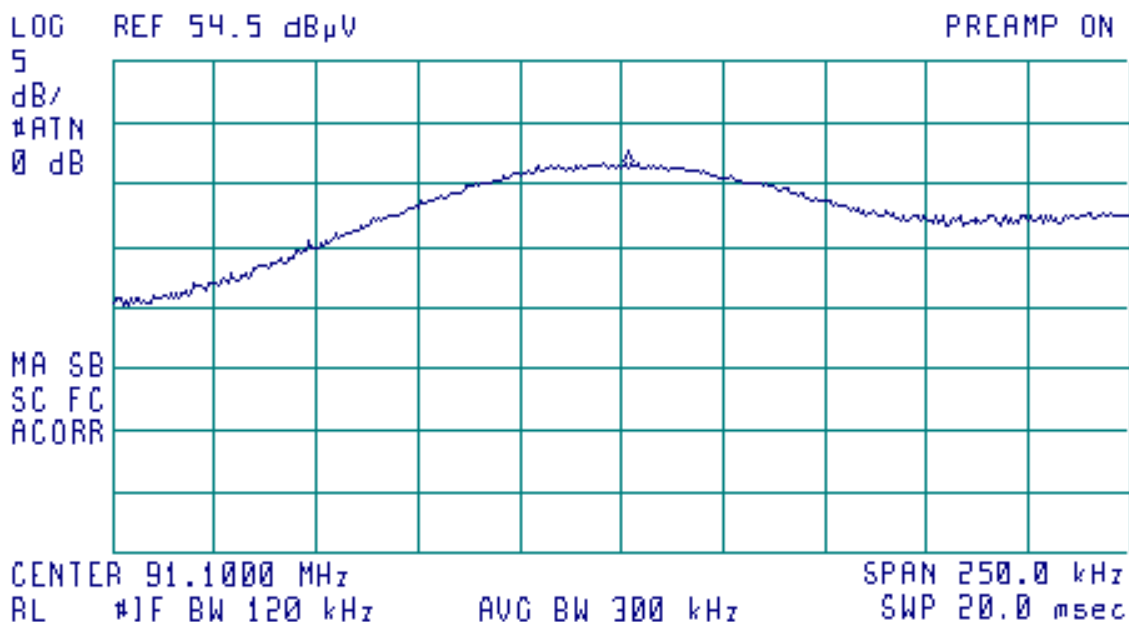
TEST NUMBER - 333-03

Mid Freq Output Power Plot

16:19:12 DEC 10, 2003 MID FREQ OUTPUT FS
TEST#333-03 ARKON SF150 FM BAND TX

STEP 88.2913 MHz

FREQ 91.10 MHz
PEAK 45.9 dBμV
QP 45.1 dBμV
AVG 44.7 dBμV



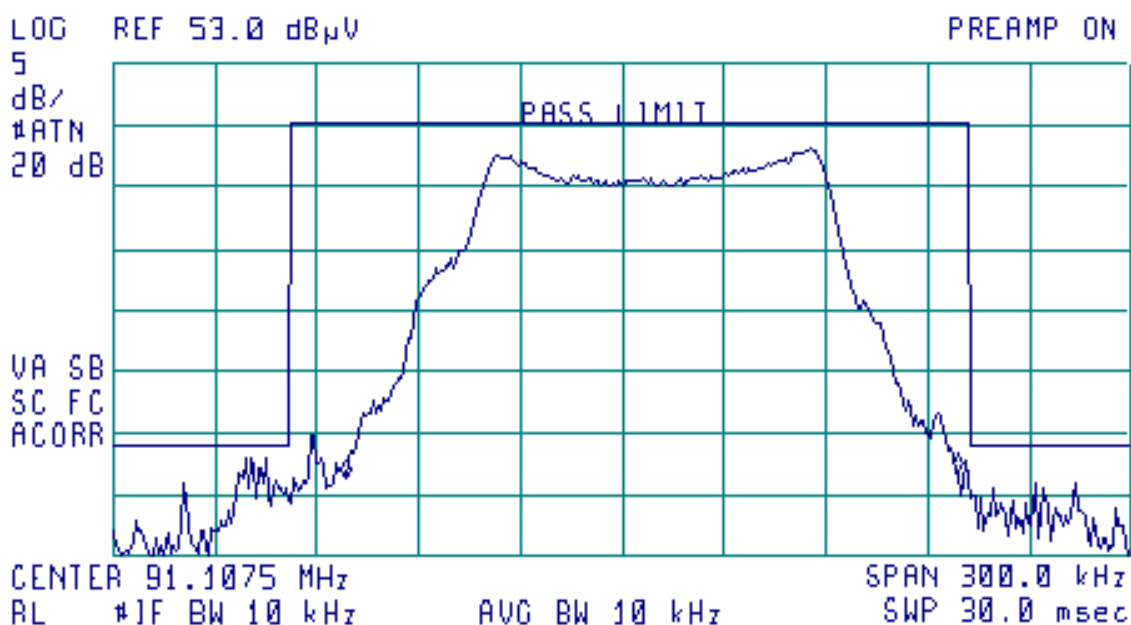
Freq (MHz)	Polarization (H/V)	Peak Amp (dBuV/m)	Avg Amp (dBuV/m)	Avg Limit (dBuV/m)	Avg Margin (dB)
91.10	H	45.9	44.7	48.0	-3.3

TEST NUMBER - 333-03

Mid Freq Occupied Bandwidth Plot

14:18:16 DEC 15, 2003 MID FREQ BANDWIDTH
333-03 ARKON SF150 FM BAND TX

ACTV DET: PEAK
MEAS DET: PEAK
MKR Δ -180.8 kHz
-.63 dB



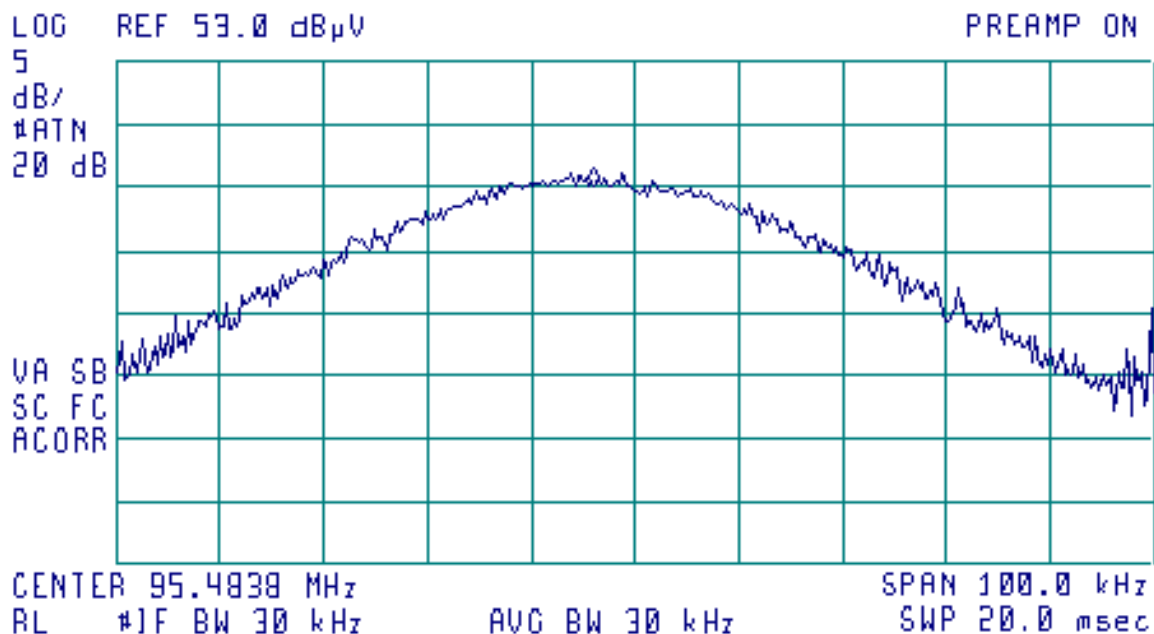
Display shows a mask with the top limit at 48 dBuV, and the lower flanks 200 kHz wide and 26 dB below the top limit. Also Marker Delta shows bandwidth 26 dB down from the peak measured amplitude.

TEST NUMBER - 333-03

Mid Freq Output Power Plot

16:48:01 DEC 10, 2003 MID FREQ SPURIOUS
TEST#333-03 ARKON SF150 FM BAND TX

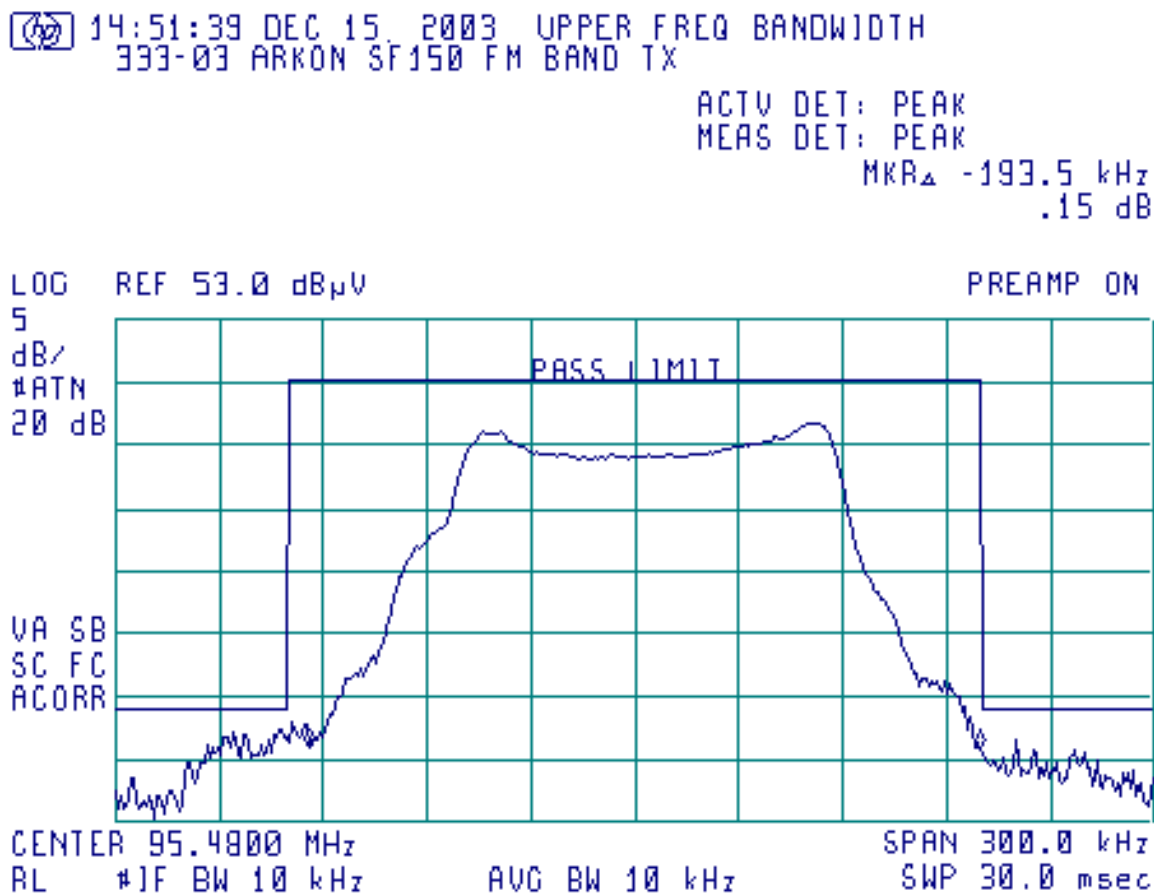
FREQ 95.48 MHz
PEAK 45.0 dB μ V
QP 44.1 dB μ V
AVG 43.4 dB μ V



Freq (MHz)	Polarization (H/V)	Peak Amp (dB μ V/m)	Avg Amp (dB μ V/m)	Avg Limit (dB μ V/m)	Avg Margin (dB)
95.48	H	45.0	43.4	48.0	-4.6

TEST NUMBER - 333-03

Upper Freq Occupied Bandwidth Plot



Display shows a mask with the top limit at 48 dBuV, and the lower flanks 200 kHz wide and 26 dB below the top limit. Also Marker Delta shows bandwidth 26 dB down from the peak measured amplitude.

TEST NUMBER - 333-03

CONDUCTED TEST RESULTS

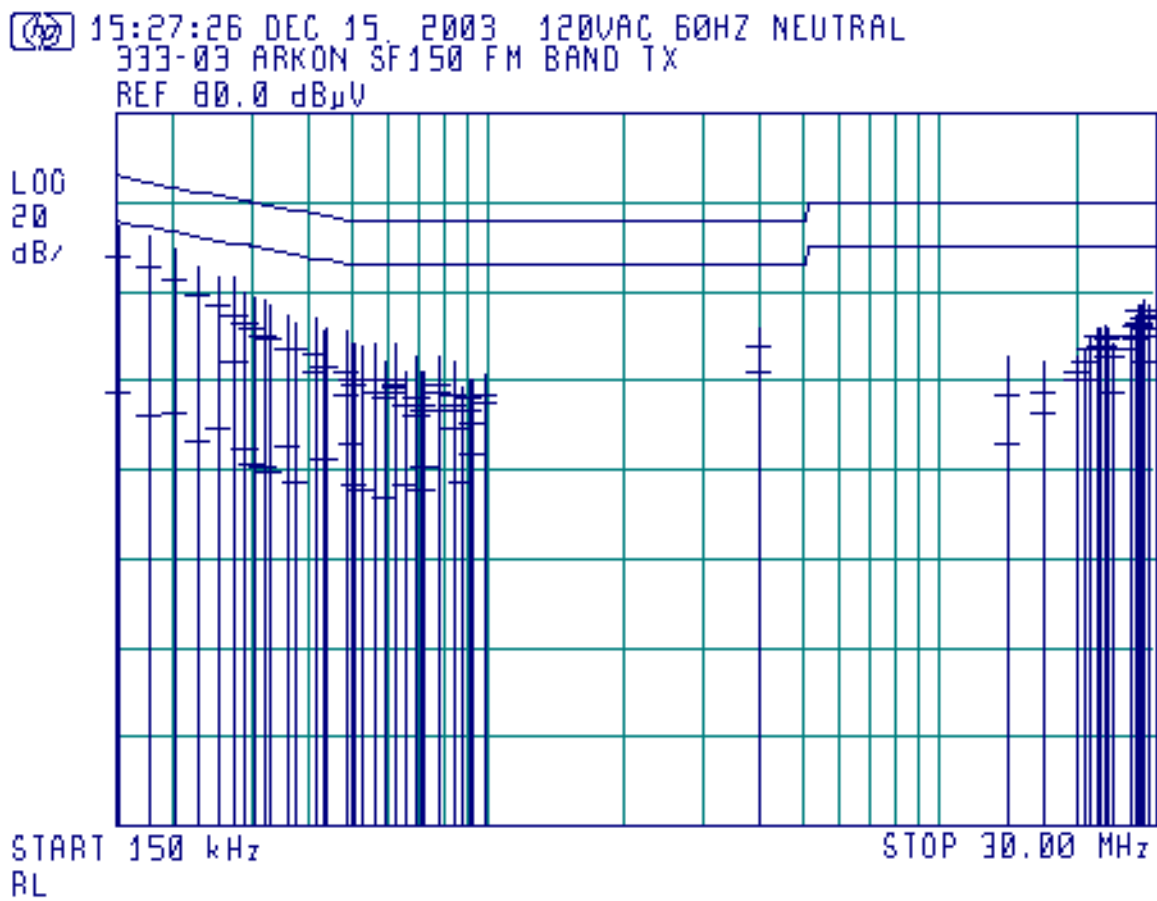
Frequency Range:	450 kHz to 30.0 MHz.
Bandwidth:	9 kHz per ANSI C63.4-1992.
Detector Functions:	Peak, Quasi-Peak, Average
Table Height:	0.8 meters
Video Bandwidth:	30 kHz.

Phase and Neutral Measurements Taken.

PLEASE SEE NEXT PAGE FOR CONDUCTED TEST DATA

TEST NUMBER - 333-03

Conducted 120V 60Hz Neutral Data Log Plot



TEST NUMBER - 333-03

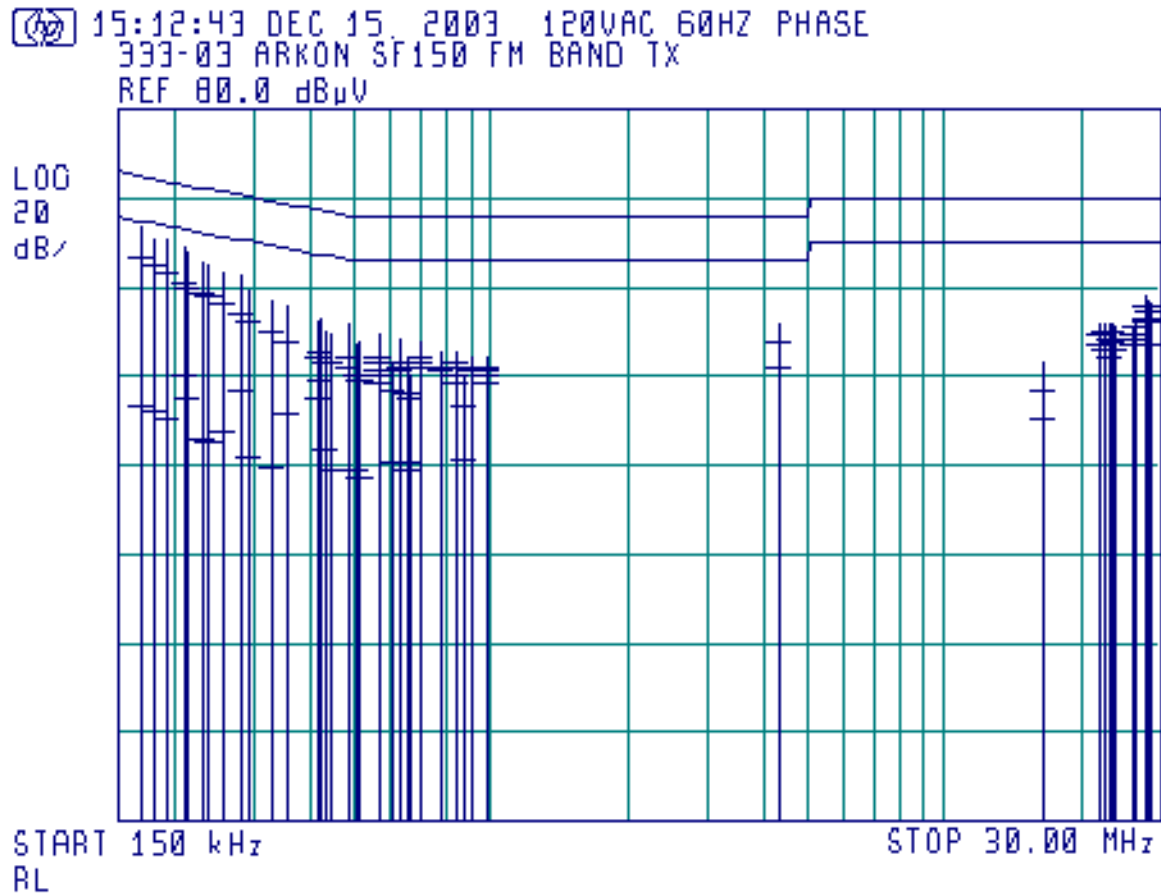
Conducted 120V 60Hz Neutral Tabular Data

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	Avg Amp (dBuV)	QP Limit (dBuV)	Avg Limit (dBuV)	QP Margin (dB)	Avg Margin (dB)
0.153229	55.60	48.39	17.87	65.84	55.84	-17.45	-37.97
0.179569	52.69	45.69	12.70	64.56	54.56	-18.87	-41.86
0.203828	49.85	42.93	13.20	63.51	53.51	-20.58	-40.31
0.231624	46.40	39.48	6.74	62.44	52.44	-22.96	-45.70
0.255376	43.93	37.32	9.08	61.62	51.63	-24.30	-42.55
0.278693	43.42	35.03	24.28	60.92	50.92	-25.89	-26.64
0.293235	40.58	33.46	4.44	60.48	50.48	-27.02	-46.04
0.302174	38.66	31.77	1.43	60.21	50.21	-28.44	-48.78
0.319595	37.98	30.36	0.53	59.75	49.75	-29.39	-49.22
0.328378	37.59	29.97	0.17	59.54	49.54	-29.57	-49.37
0.359095	35.30	27.58	5.11	58.81	48.81	-31.23	-43.70
0.376249	33.79	26.96	-2.10	58.40	48.40	-31.44	-50.50
0.419735	34.14	26.18	22.31	57.50	47.50	-31.32	-25.19
0.436955	30.99	23.46	3.40	57.18	47.18	-33.72	-43.78
0.437801	31.95	23.30	3.09	57.16	47.16	-33.86	-44.07
0.489500	30.93	22.65	17.16	56.20	46.20	-33.55	-29.04
0.499333	28.72	20.56	5.88	56.01	46.01	-35.45	-40.13
0.511096	28.94	19.59	-3.28	56.00	46.00	-36.41	-49.28
0.531621	27.74	20.02	-3.83	56.00	46.00	-35.98	-49.83
0.563696	29.13	20.59	17.59	56.00	46.00	-35.41	-28.41
0.594246	25.31	16.66	-5.49	56.00	46.00	-39.34	-51.49
0.629881	28.08	19.83	17.90	56.00	46.00	-36.17	-28.10
0.630859	28.76	20.97	19.11	56.00	46.00	-35.03	-26.89
0.662844	22.96	14.53	-2.82	56.00	46.00	-41.47	-48.82
0.700871	25.43	16.58	12.51	56.00	46.00	-39.42	-33.49
0.717493	22.59	14.45	-3.76	56.00	46.00	-41.55	-49.76
0.727539	22.55	14.11	0.61	56.00	46.00	-41.89	-45.39
0.772405	24.87	19.63	18.11	56.00	46.00	-36.37	-27.89
0.773305	25.37	19.72	18.14	56.00	46.00	-36.28	-27.86
0.839335	21.76	13.76	10.29	56.00	46.00	-42.24	-35.71
0.844208	23.91	17.11	14.51	56.00	46.00	-38.89	-31.49
0.876029	18.74	10.51	-1.97	56.00	46.00	-45.49	-47.97
0.911634	21.40	16.32	13.74	56.00	46.00	-39.68	-32.26
0.922976	19.99	11.12	4.09	56.00	46.00	-44.88	-41.91
0.981583	22.13	17.03	15.46	56.00	46.00	-38.97	-30.54
4.006110	31.76	28.31	22.92	56.00	46.00	-27.69	-23.08
13.974779	25.40	17.25	6.57	60.00	50.00	-42.75	-43.43
16.837809	24.86	17.88	13.60	60.00	50.00	-42.12	-36.40
20.162130	25.60	22.95	20.88	60.00	50.00	-37.05	-29.12
20.945620	27.09	23.94	20.99	60.00	50.00	-36.06	-29.01

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	Avg Amp (dBuV)	QP Limit (dBuV)	Avg Limit (dBuV)	QP Margin (dB)	Avg Margin (dB)
21.532289	29.50	27.38	24.26	60.00	50.00	-32.62	-25.74
22.311726	31.90	30.09	27.64	60.00	50.00	-29.91	-22.36
22.511393	32.13	30.21	27.96	60.00	50.00	-29.79	-22.04
23.097805	32.57	30.70	28.16	60.00	50.00	-29.30	-21.84
23.296651	32.34	30.61	27.39	60.00	50.00	-29.39	-22.61
23.485456	31.97	29.63	25.72	60.00	50.00	-30.37	-24.28
23.491718	32.12	29.99	27.66	60.00	50.00	-30.01	-22.34
24.083959	29.06	25.42	17.82	60.00	50.00	-34.58	-32.18
26.429108	32.96	30.61	27.50	60.00	50.00	-29.39	-22.50
27.009829	34.64	32.99	29.89	60.00	50.00	-27.01	-20.11
27.599554	37.26	35.82	33.32	60.00	50.00	-24.18	-16.68
27.599899	37.24	35.76	32.94	60.00	50.00	-24.24	-17.06
27.988348	37.81	36.26	30.13	60.00	50.00	-23.74	-19.87
28.194274	38.05	36.20	34.14	60.00	50.00	-23.80	-15.86
28.197330	38.28	32.21	25.26	60.00	50.00	-27.79	-24.74
28.969954	37.34	35.31	32.05	60.00	50.00	-24.69	-17.95

TEST NUMBER - 333-03

Conducted 120V 60Hz Phase Data Log Plot



TEST NUMBER - 333-03

Conducted 120V 60Hz Phase Tabular Data

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	Avg Amp (dBuV)	QP Limit (dBuV)	Avg Limit (dBuV)	QP Margin (dB)	Avg Margin (dB)
0.170085	53.93	46.80	14.28	65.02	55.02	-18.22	-40.74
0.182119	51.88	44.90	12.57	64.43	54.43	-19.53	-41.86
0.193825	50.83	43.40	11.13	63.89	53.89	-20.49	-42.76
0.213733	49.16	41.34	20.43	63.13	53.13	-21.79	-32.70
0.216099	48.48	40.75	15.68	63.03	53.03	-22.28	-37.35
0.233129	46.07	38.82	5.97	62.38	52.38	-23.56	-46.41
0.239381	45.26	38.07	5.31	62.14	52.14	-24.07	-46.83
0.255413	43.82	36.41	8.07	61.62	51.62	-25.21	-43.55
0.282671	42.60	34.21	17.15	60.80	50.80	-26.59	-33.65
0.293416	39.98	32.85	2.03	60.47	50.47	-27.62	-48.44
0.329350	37.67	30.51	-0.16	59.52	49.52	-29.01	-49.68
0.330665	37.49	30.51	0.13	59.48	49.48	-28.97	-49.35
0.357218	35.75	27.77	11.51	58.85	48.85	-31.08	-37.34
0.417494	33.14	24.49	15.58	57.54	47.54	-33.05	-31.96
0.421006	33.71	25.43	19.37	57.48	47.48	-32.05	-28.11
0.431864	30.82	23.62	4.14	57.27	47.27	-33.65	-43.13
0.435739	30.68	23.58	4.02	57.20	47.20	-33.62	-43.18
0.445621	29.86	23.20	-0.70	57.02	47.02	-33.82	-47.72
0.490528	32.24	24.97	22.85	56.18	46.18	-31.21	-23.33
0.492389	31.90	25.08	22.57	56.14	46.14	-31.06	-23.57
0.511433	27.01	20.14	-1.00	56.00	46.00	-35.86	-47.00
0.517016	27.78	19.52	-2.72	56.00	46.00	-36.48	-48.72
0.562304	29.88	23.81	22.02	56.00	46.00	-32.19	-23.98
0.562500	29.87	23.35	21.98	56.00	46.00	-32.65	-24.02
0.564726	28.86	21.11	18.99	56.00	46.00	-34.89	-27.01
0.604324	23.20	16.84	0.78	56.00	46.00	-39.16	-45.22
0.630229	28.51	22.95	21.75	56.00	46.00	-33.05	-24.25
0.631690	28.12	23.49	22.15	56.00	46.00	-32.51	-23.85
0.652288	24.00	16.46	-0.76	56.00	46.00	-39.54	-46.76
0.663811	21.43	15.48	0.94	56.00	46.00	-40.52	-45.06
0.701455	27.94	23.95	22.70	56.00	46.00	-32.05	-23.30
0.702133	27.88	23.67	22.66	56.00	46.00	-32.33	-23.34
0.772249	25.89	22.88	21.98	56.00	46.00	-33.12	-24.02
0.838808	24.17	20.04	18.63	56.00	46.00	-35.96	-27.37
0.841649	25.40	23.33	22.26	56.00	46.00	-32.67	-23.74
0.880145	21.29	14.09	1.59	56.00	46.00	-41.91	-44.41
0.912863	25.21	22.93	21.98	56.00	46.00	-33.07	-24.02
0.913235	25.13	22.91	21.94	56.00	46.00	-33.09	-24.06
0.982878	24.83	22.82	21.70	56.00	46.00	-33.18	-24.30
0.985870	24.13	20.49	18.83	56.00	46.00	-35.51	-27.17

Freq (MHz)	Peak Amp (dBuV)	QP Amp (dBuV)	Avg Amp (dBuV)	QP Limit (dBuV)	Avg Limit (dBuV)	QP Margin (dB)	Avg Margin (dB)
4.351863	31.63	28.03	22.29	56.00	46.00	-27.97	-23.71
16.436185	23.56	17.52	10.56	60.00	50.00	-42.48	-39.44
22.121649	31.91	29.48	27.30	60.00	50.00	-30.52	-22.70
22.511010	32.36	30.07	26.31	60.00	50.00	-29.93	-23.69
23.290716	31.81	29.07	24.42	60.00	50.00	-30.93	-25.58
23.489361	32.11	30.06	27.97	60.00	50.00	-29.94	-22.03
23.687550	30.97	29.20	26.49	60.00	50.00	-30.80	-23.51
26.036165	31.32	29.47	27.21	60.00	50.00	-30.53	-22.79
26.623975	32.95	31.27	28.68	60.00	50.00	-28.73	-21.32
27.794525	37.79	35.98	33.09	60.00	50.00	-24.02	-16.91
27.798729	37.86	36.00	33.51	60.00	50.00	-24.00	-16.49
28.377456	37.70	34.86	27.47	60.00	50.00	-25.14	-22.53
28.381653	37.81	36.02	32.40	60.00	50.00	-23.98	-17.60
28.770893	37.04	33.62	27.26	60.00	50.00	-26.38	-22.74

TEST NUMBER - 333-03

NOTES AND COMMENTS

(Special conditions unique to this test)

The following changes/modifications were made to the EUT in order to achieve compliance.

- 1) L4 and L5 were changed to ACT ECB-0805 chip beads.
- 2) An ACT ECB-0805 chip bead was added between the battery and J2 pin 2.
- 3) C19 was changed to 0.5pf.
- 4) With the trimmer capacitor adjusted to the lowest frequency, L1 was tuned for 88.3MHz.

The EUT Bandwidth was measured using a 1kHz tone at 500mV RMS.

The EUT was examined in 3 orthogonal planes, with and without USB power, and the worst case plane and cable configuration is as shown in the setup photos.

A new set of 2 Duracell AAA batteries were used during testing, however worst case was found to be using USB power.