

Date: 11 November 1999
To: FCC OET, Mr. G. Czumak
From: TUV Rheinland of N.A. Tim Dwyer

Re: FCC ID ABZ89FT7601
Applicant: Motorola Inc
Correspondence Reference Number: 10351
731 Confirmation Number: EA94737
Date of Original E-Mail: 10/25/1999

We have completed the requested measurements with a Schwarzbeck Model FMZB1516 loop antenna in lieu of the previously submitted measurements taken with a rod antenna.

The resulting plots are attached.

The maximum emissions observed were 77.5 dB μ V/m QP at 13.56 MHz and 29.6 dB μ V/m QP at 27.12 MHz measured at a distance of 3 meters. Measurements were maximized with the EUT and measuring antennas oriented vertically and in the same plane.

TUV Rheinland of North America, Inc.

North American Headquarters

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16:19:25 NOV 05, 1999
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MARKER
13.5599 MHz
77.28 dBμV

NOTES: AUTOCOLA T6186 A

MEASUREMENT APPROX 180 WHEN EUT & MEAS ANT,
 ARE ORIENTED IN SAME PLANE

MEAS TYPE:

- ☒ Radiated Prescan
- ☐ Radiated Final
- ☐ Conducted
- ☐ Disturbance Power
- ☐ Other

ANTENNA/COUPLER:

- ☐ 9124 Bicon
- ☐ 3146 Log Per
- ☐ 3106 Horn
- ☐ 3109 Bicon
- ☐ 3115 Horn
- ☐ CBL6140 X-Wing
- ☐ MDS-21 Clamp
- ☐ NSLK 8126 LISN
- ☐ NNB-4/63TL LISN
- ☐ FM 28 1516 LOOP

POLARIZATION:

- ☐ Horizontal
- ☒ Vertical
- ☐ NA

DISTANCE:

- ☒ 3 Meter
- ☐ 10 Meter
- ☐ NA

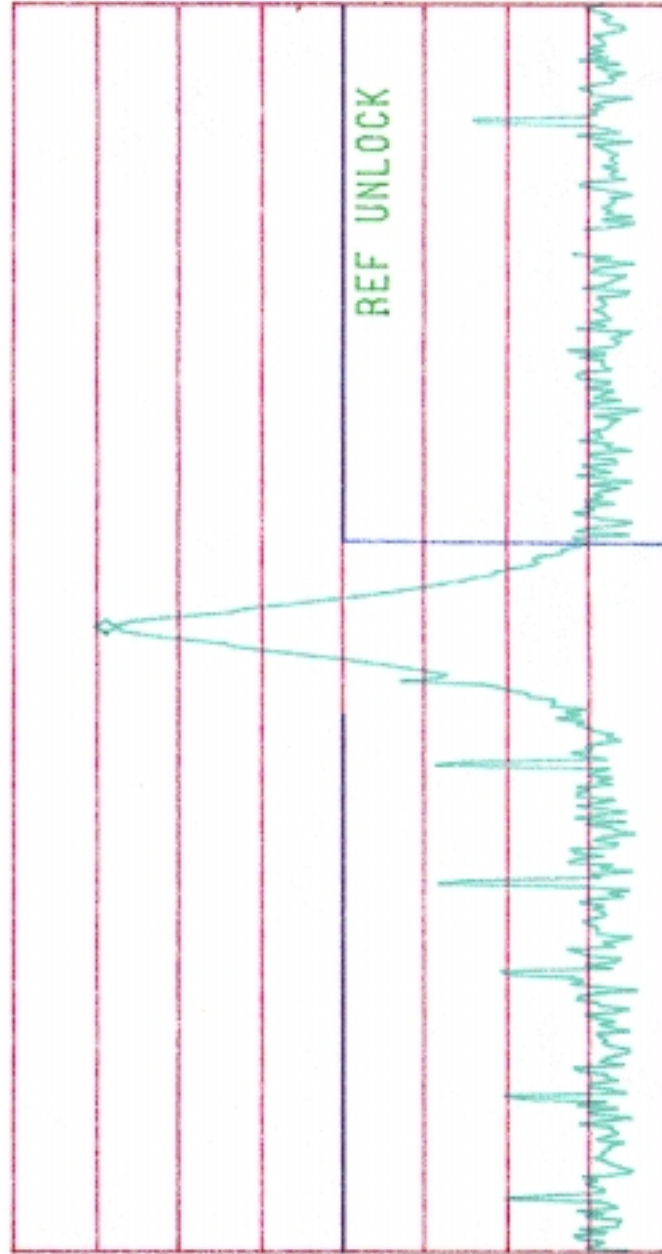
LOCATION:

- ☐ OATS
- ☒ Semi-Anechoic
- ☐ Shielded Room
- ☐ Factory Floor
- ☐ Other

LOG REF 90.0 dBμV

10
 dB/
 #ATN
 20 dB

WA SB
 SC FC
 ACORR



START 13.5100 MHz STOP 13.6100 MHz
 #TF RU 1 0 LH7 AUG RU 1 LH7 SUP 700 msec



TUV Rheinland of North America, Inc.

North American Headquarters

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16:26:24 NOV 05, 1999
9911040

ATTEN
20 dB

NOTES: **NOT AN A-TUBA**

MEASUREMENT MAXIMIZED WITHIN BUT 4 ANGLES ANT.
 AVG ORIENTED IN THE SAME PLANE

FREQ 27.12 MHz
PEAK 31.9 dBμV
QP 29.6 dBμV
AVG 29.5 dBμV

LOG REF 70.0 dBμV

PREAMP ON

10
dB/
#ATN
20 dB

WA SB
SC FC
ACORR

REF UNLOCK

CENTER 27.1200 MHz **SPAN 100.0 kHz**
#IF BW 1.0 kHz **AVG BW 1 kHz** **SWP 700 msec**

MEAS TYPE:

- ☒ Radiated Prescan
- ☐ Radiated Final
- ☐ Conducted
- ☐ Disturbance Power
- ☐ Other

ANTENNA/COUPLER:

- ☐ 9124 Bicon
- ☐ 3146 Log Per
- ☐ 3106 Horn
- ☐ 3109 Bicon
- ☐ 3115 Horn
- ☐ CBL6140 X-Wing
- ☐ MDS-21 Clamp
- ☐ NSLK 8126 LISN
- ☐ NNB-403TL LISN
- ☒ *FM23 1516 Loop*

POLARIZATION:

- ☐ Horizontal
- ☒ Vertical
- ☐ NA

DISTANCE:

- ☒ 3 Meter
- ☐ 10 Meter
- ☐ Meter
- ☐ NA

LOCATION:

- ☐ OATS
- ☒ Semi-Anechoic
- ☐ Shielded Room
- ☐ Factory Floor
- ☐ Other

