

Justification

The individuals and/or the organization requesting the test provided the modes, configurations and settings available to evaluate. While scanning the radiated emissions, all of the EUT parameters listed below were investigated. This includes, but may not be limited to, antennas, tuned transmit frequency ranges, operating modes, and data rates.

Channels in Specified Band Investigated:

High

Mid

Low

Operating Modes Investigated:

802.11(b)

802.11(g)

Data Rates Investigated:

6 Mbit

11 Mbit

36 Mbit

54 Mbit

Output Power Setting(s) Investigated:

Maximum

Power Input Settings Investigated:

Battery

Frequency Range Investigated

Start Frequency

0 MHz

Stop Frequency

25 GHz

Software\Firmware Applied During Test

Exercise software

FccTest.exe

Version

1/1/1601

Description

The system was tested using special software developed to test all functions of the device during the test. The software allowed the selection of transmit channel and data rate. These were varied to produce the highest level of emissions. The OS of the host device was Ver. 0.00.00.0072

EUT and Peripherals

| Description | Manufacturer | Model/Part Number | Serial Number |
|-------------------------------|-----------------------------------|-------------------|-------------------------|
| Mini-PCI to CardBus Extender | TDK | Rev. 2 | ICMB-68FYGC-0M03 |
| 802.11(b) and 802.11(g) radio | Intermec Technologies Corporation | 802MIG2 | C1 |
| Laptop | Dell | PPL | 0009321C-12800-8B6-0901 |
| Power Adapter 1 | Dell | PA-2 | 85391 |
| Power Adapter 2 | CUI Stack | DX-57AAT | N/A |

Cables

| Cable Type | Shield | Length (m) | Ferrite | Connection 1 | Connection 2 |
|------------|--------|------------|---------|-------------------------------|-----------------|
| DC Leads | PA | 1.6 | Yes | Laptop | Power Adapter 1 |
| AC Power | No | 1.6 | No | Power Adapter 1 | AC Mains |
| DC Leads | PA | 1.8 | No | 802.11(b) and 802.11(g) radio | Power Adapter 2 |
| AC Power | PA | 1.4 | PA | Power Adapter 2 | AC Mains |

PA = Cable is permanently attached to the device. Shielding and/or presence of ferrite may be unknown.

Measurement Equipment

| Description | Manufacturer | Model | Identifier | Last Cal | Interval |
|-------------------|--------------|-------|------------|------------|----------|
| Spectrum Analyzer | Tektronix | 2784 | AAO | 02/26/2003 | 24 mo |

Test Description

Requirement: Per 47 CFR 15.247(c), in any 100 kHz bandwidth outside the authorized band, the maximum level of radio frequency power must be at least 20dB down from the highest emission level within the authorized band. The measurement is made with the spectrum analyzer's resolution bandwidth set to 100 kHz, and the video bandwidth set to greater than or equal to the resolution bandwidth.

Configuration: The spurious RF conducted emissions were measured with the EUT set to low, medium, and high transmit frequencies. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at its maximum data rate. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

Completed by:



NORTHWEST
EMC**EMISSIONS DATA SHEET**Rev BETA
01/30/01

| | | | | | |
|--------------------------------|--|--------------------------|---------------------------|--|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |

TEST SPECIFICATIONS

| | | | |
|---------------------------------|--------------------|--------------------------------|------------|
| Specification: 47 CFR 15.247(c) | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 |
|---------------------------------|--------------------|--------------------------------|------------|

SAMPLE CALCULATIONS**COMMENTS****EUT OPERATING MODES**

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

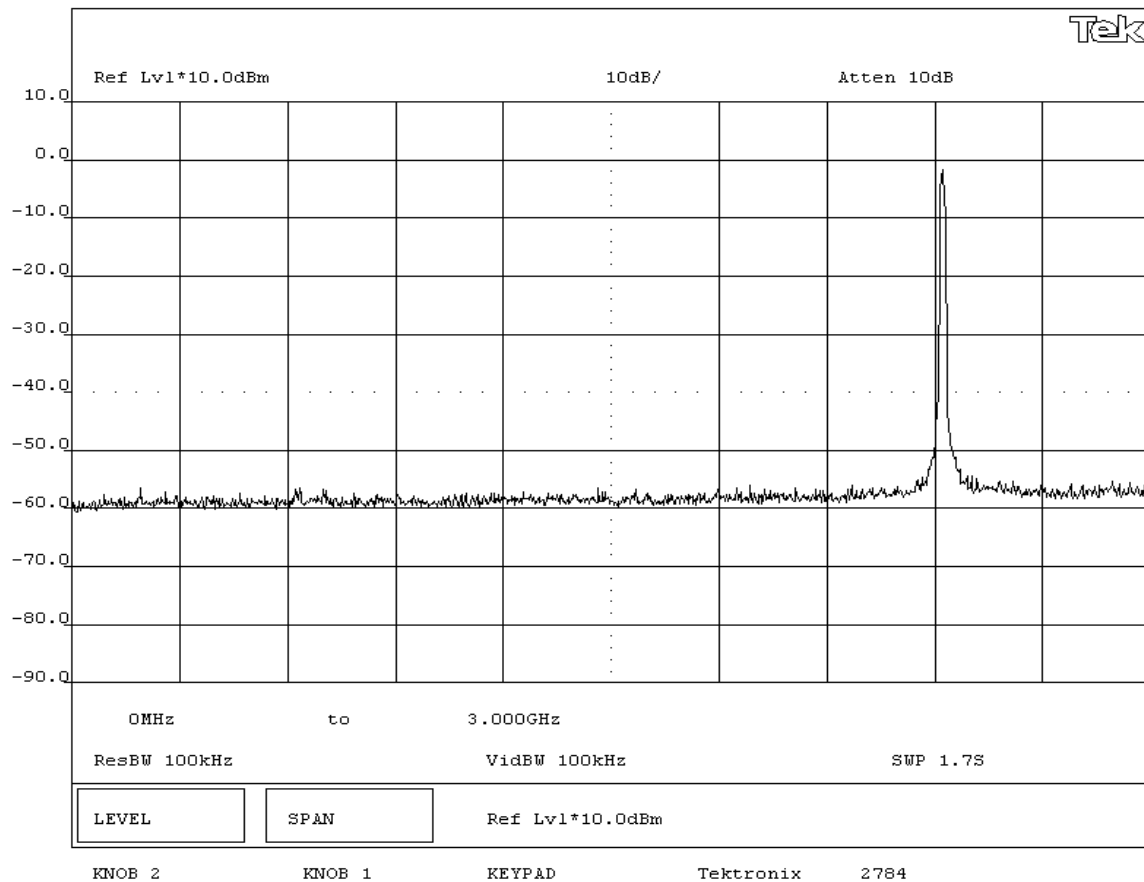
None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

Pass

SIGNATURETested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz**

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EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

| |
|--|
| |
| |

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

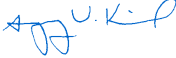
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

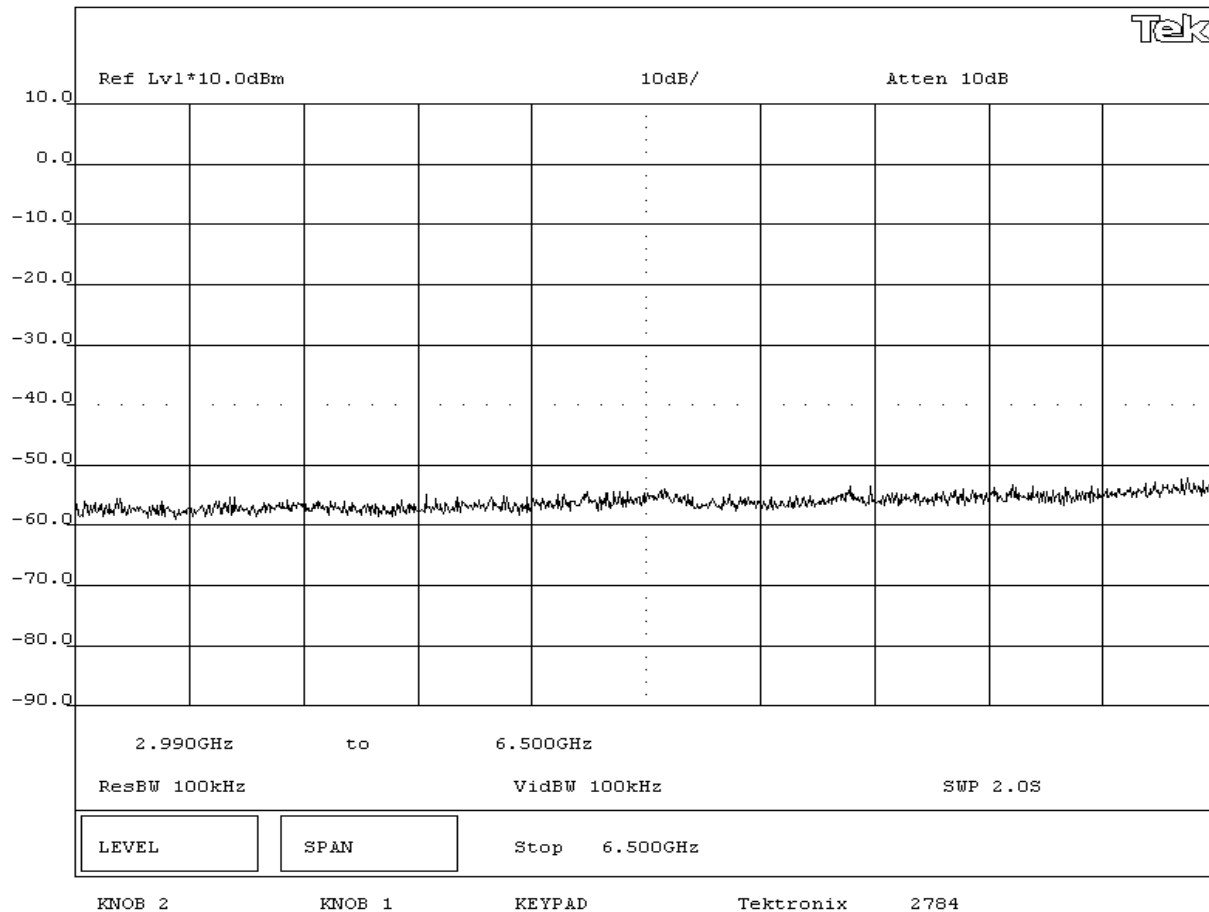
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz



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01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

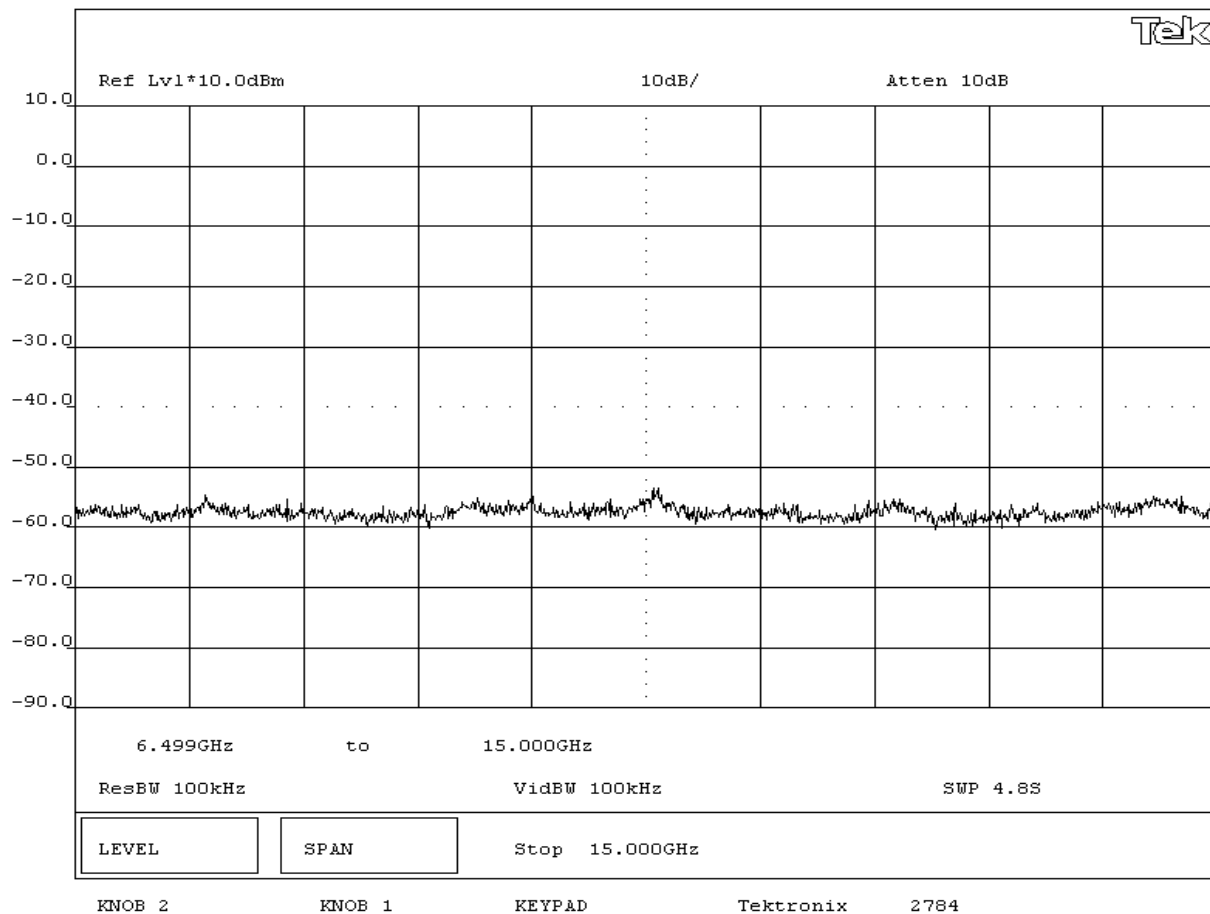
Pass

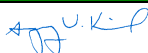
SIGNATURE

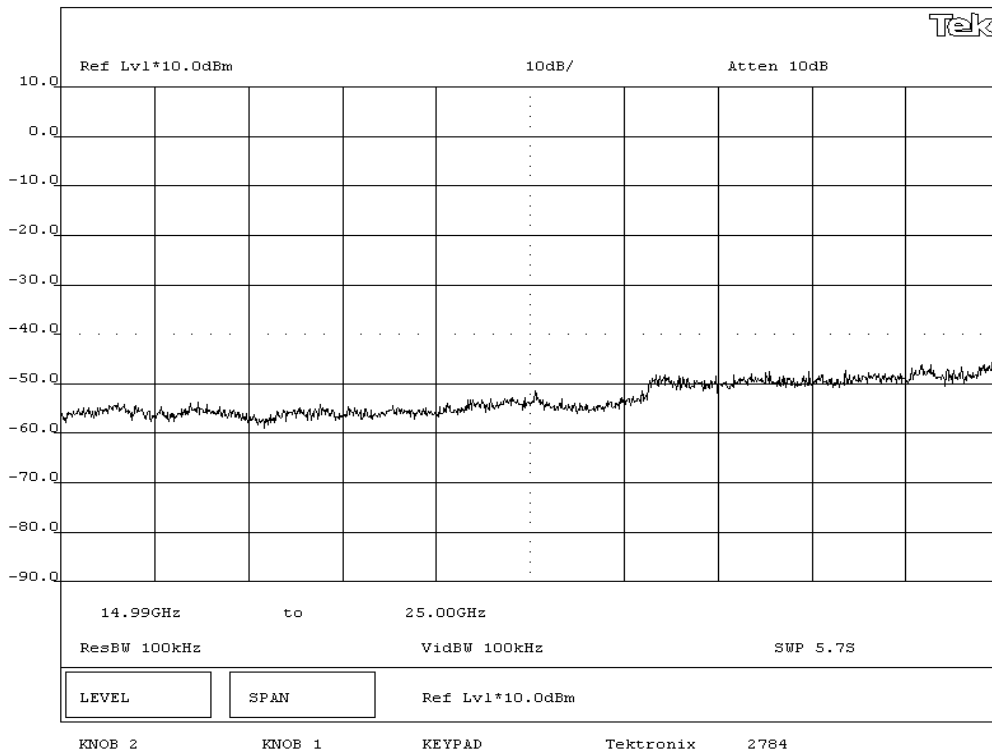
Tested By: 


DESCRIPTION OF TEST

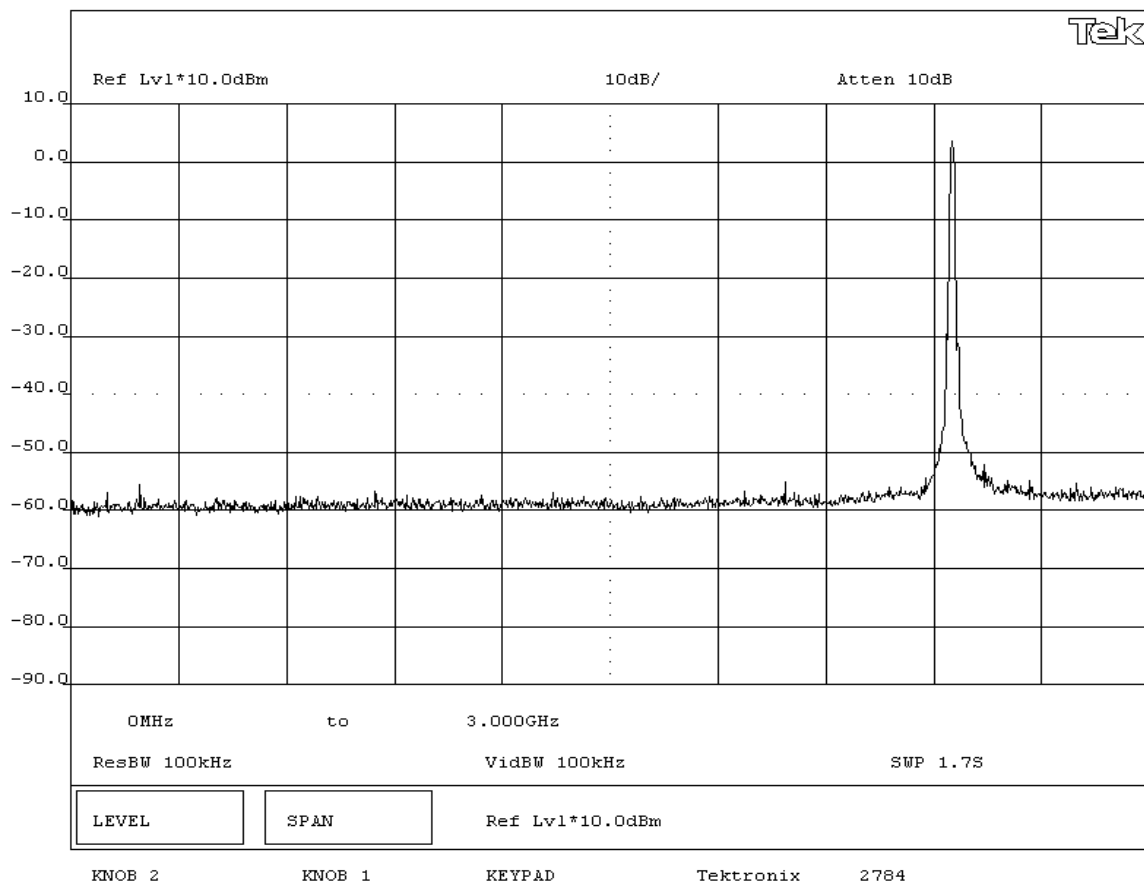
Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz



| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
|--|----------------------|----------------------|-------------------|----------------------|------------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 | | |
| Serial Number: | C1 | Date: | 06/25/03 | | |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F | | |
| Attendees: | C.D. White | Tested by: | Greg Klemel | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit | Job Site: | EV06 |
| TEST SPECIFICATIONS | | | | | |
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 |
| | | | | Year: | 1992 |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz | | | | | |



| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 |
|--|--------------------|--------------------------------|------------------|----------------------|
| EUT: 802MIG2 | | Work Order: INMC0086 | | |
| Serial Number: C1 | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | |
| Specification: 47 CFR 15.247(c) | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | |
| COMMENTS | | | | |
| EUT OPERATING MODES | | | | |
| Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | |
| None | | | | |
| REQUIREMENTS | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | |
| RESULTS | | | | |
| Pass | | | | |
| SIGNATURE | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | |
| DESCRIPTION OF TEST | | | | |
| Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz | | | | |



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01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Tested by: | Greg Kiemel |
| | | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

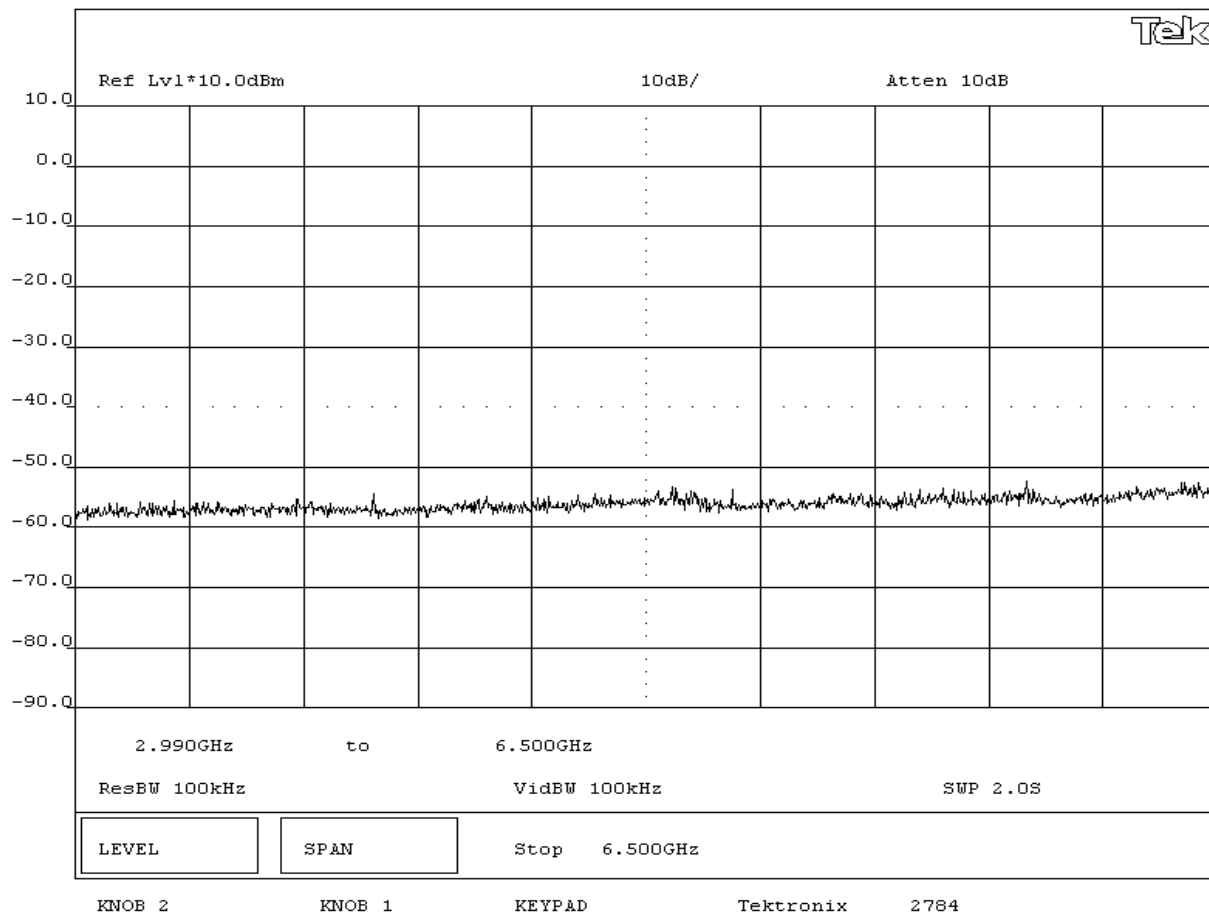
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz



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| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

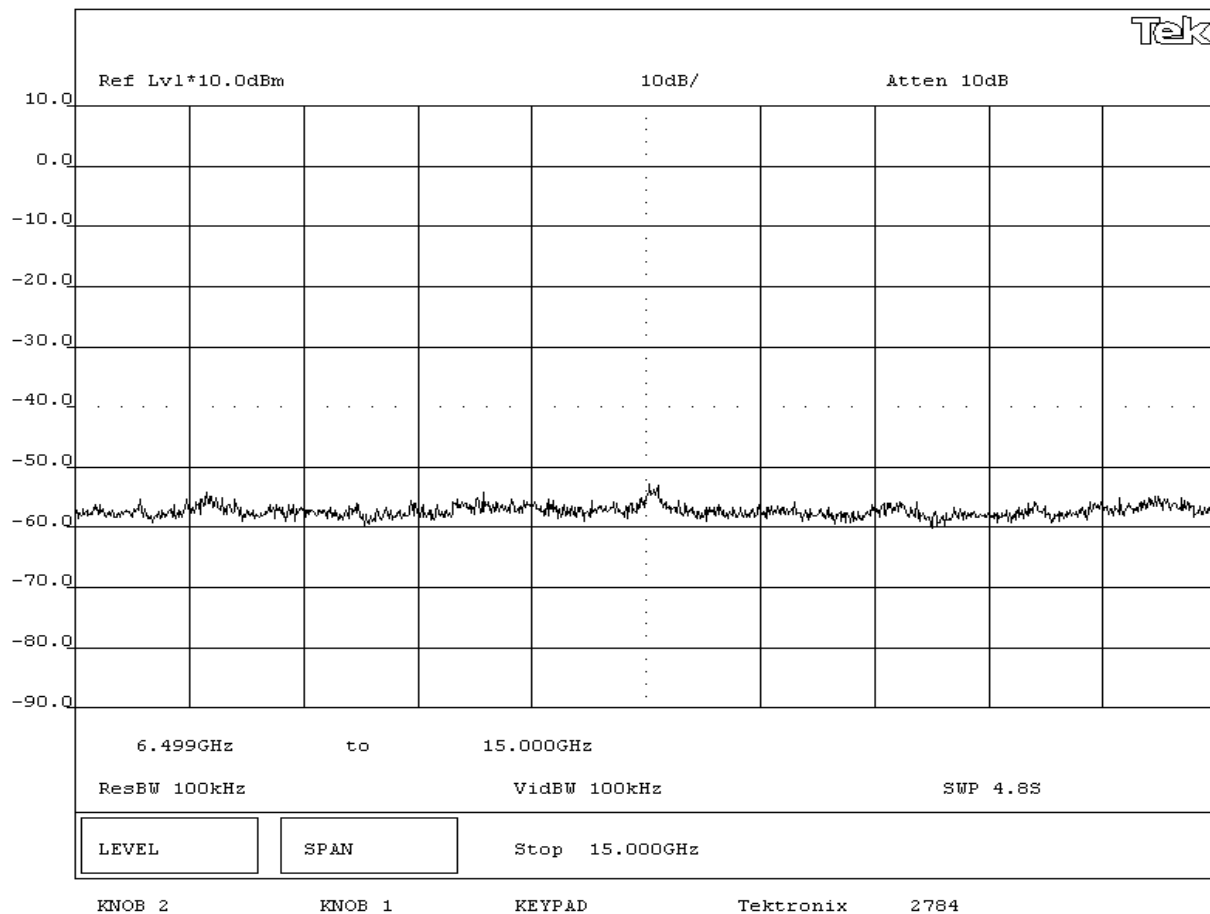
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz



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| | | | | | |
|--------------------------------|--|--------------------------|---------------------------|--|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |

TEST SPECIFICATIONS

| | | | |
|---------------------------------|--------------------|--------------------------------|------------|
| Specification: 47 CFR 15.247(c) | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 |
|---------------------------------|--------------------|--------------------------------|------------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

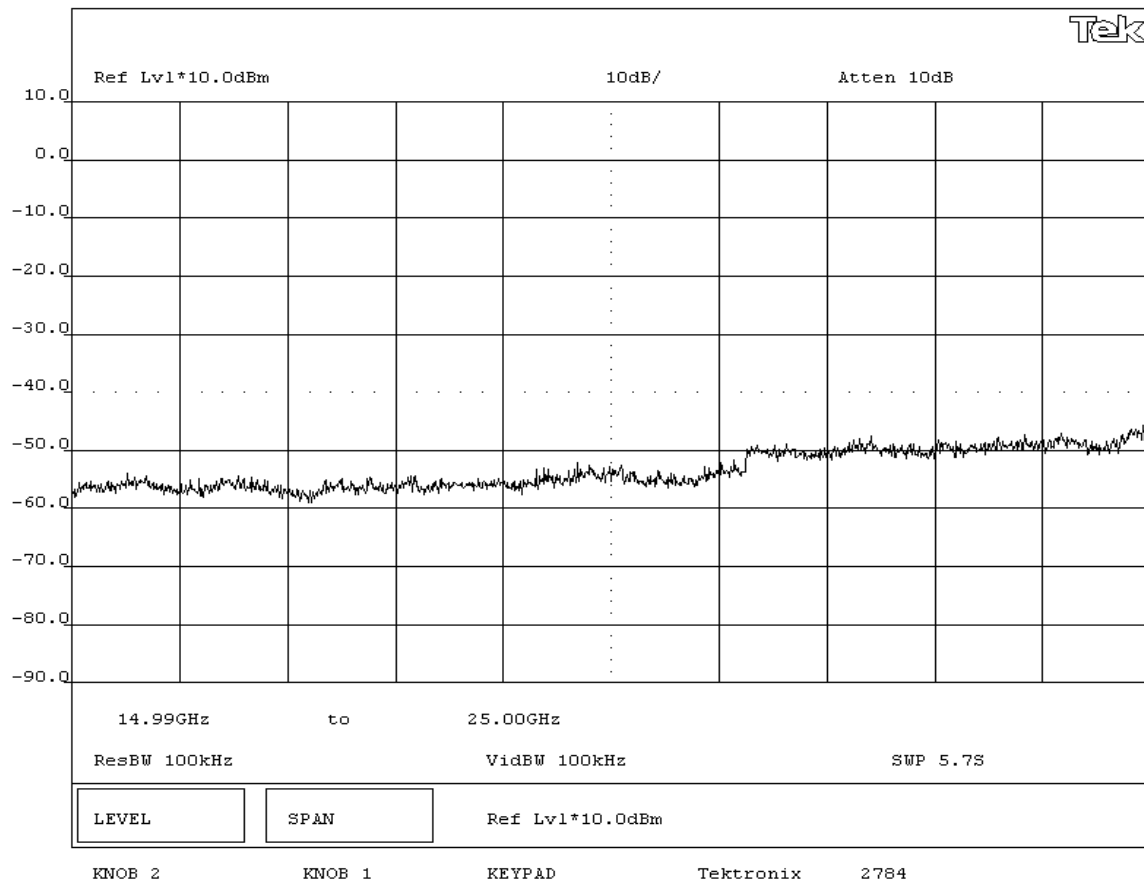
Pass


SIGNATURE

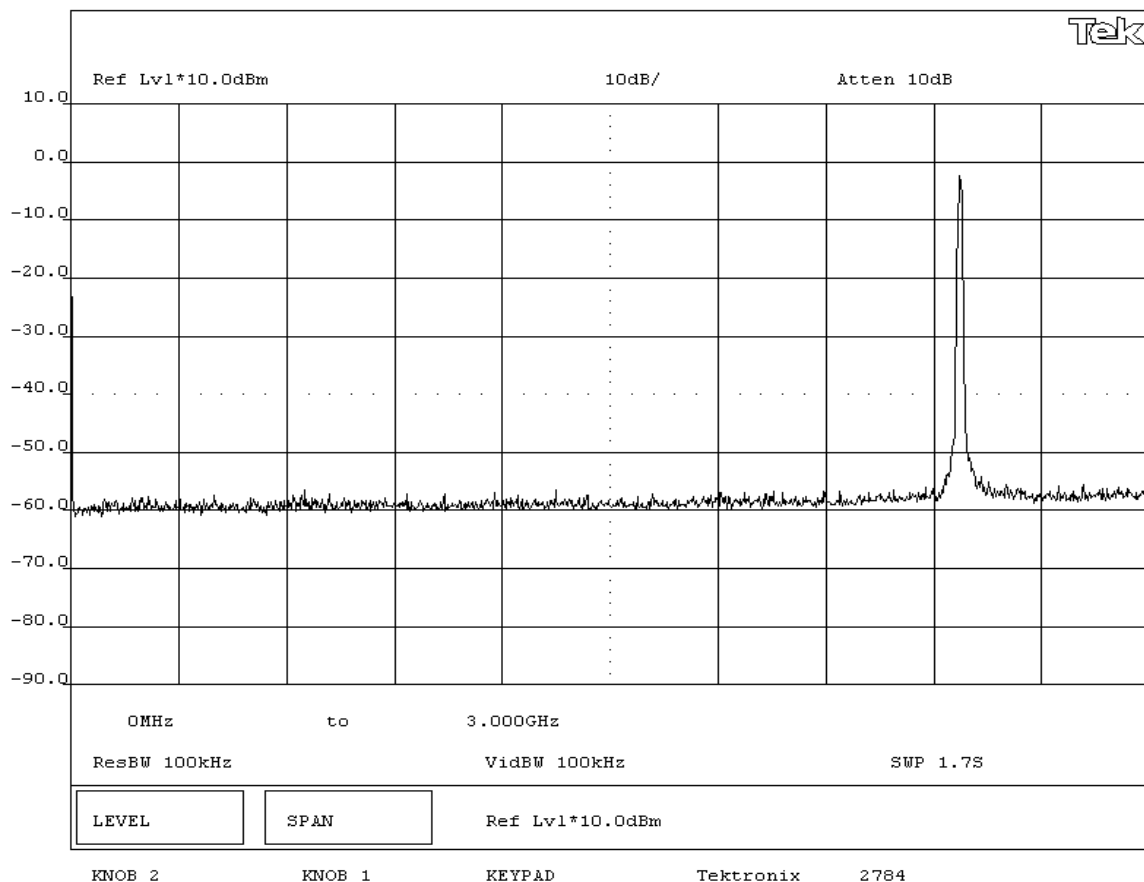
Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz



| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
|--|--|-----------------------------|--------------------------------|----------------------|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz | | | | | |



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EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

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| |
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COMMENTS

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| |
|--|

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

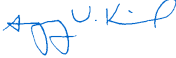
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

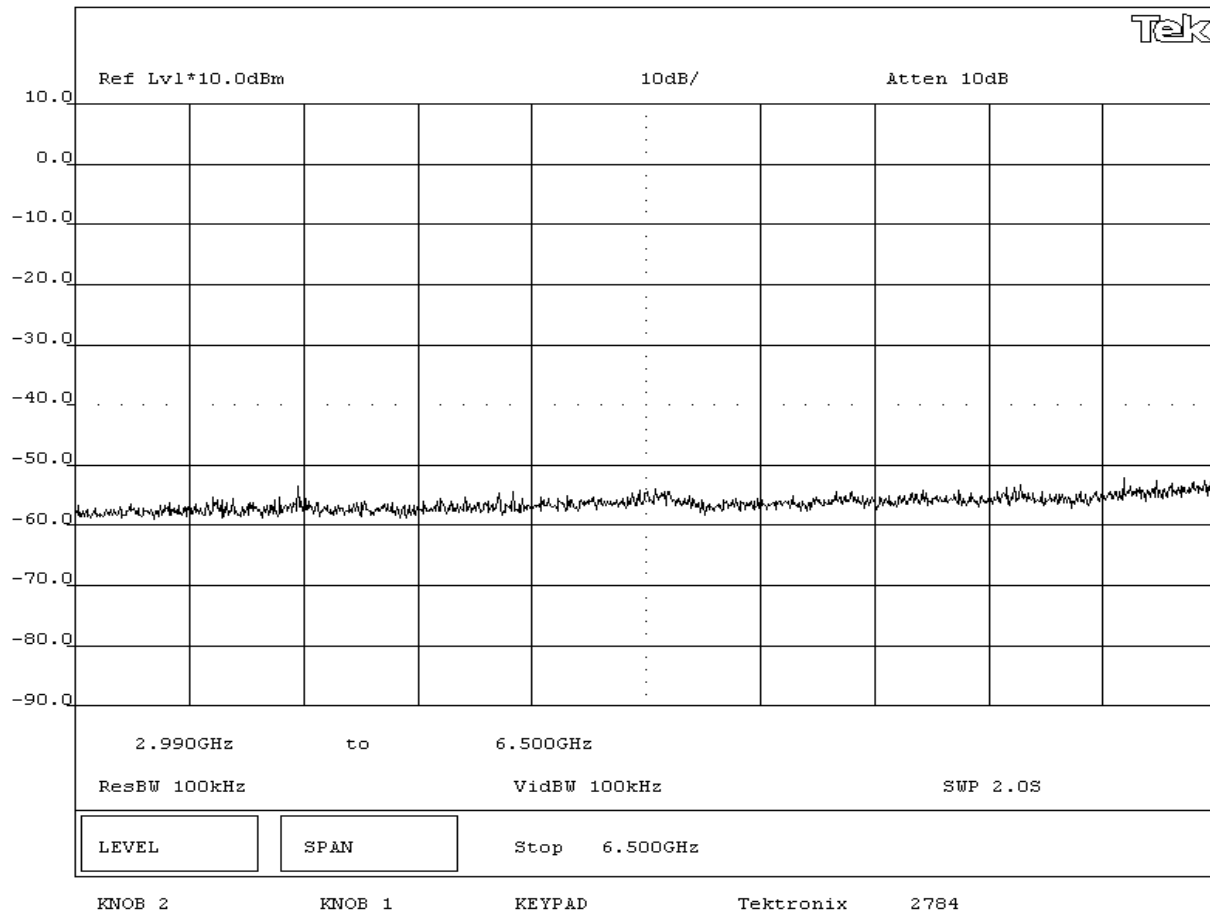
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz



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EMISSIONS DATA SHEET

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01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

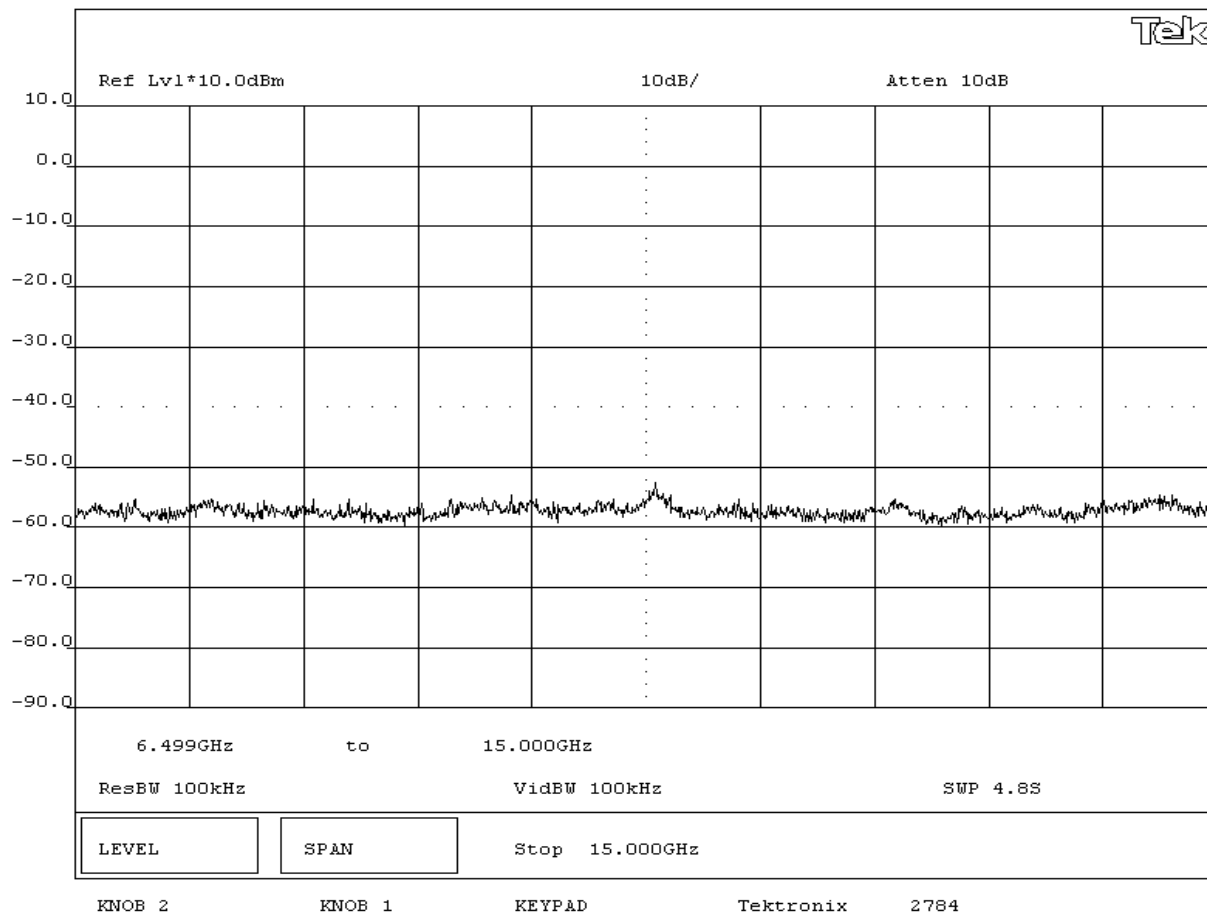
Pass


SIGNATURE

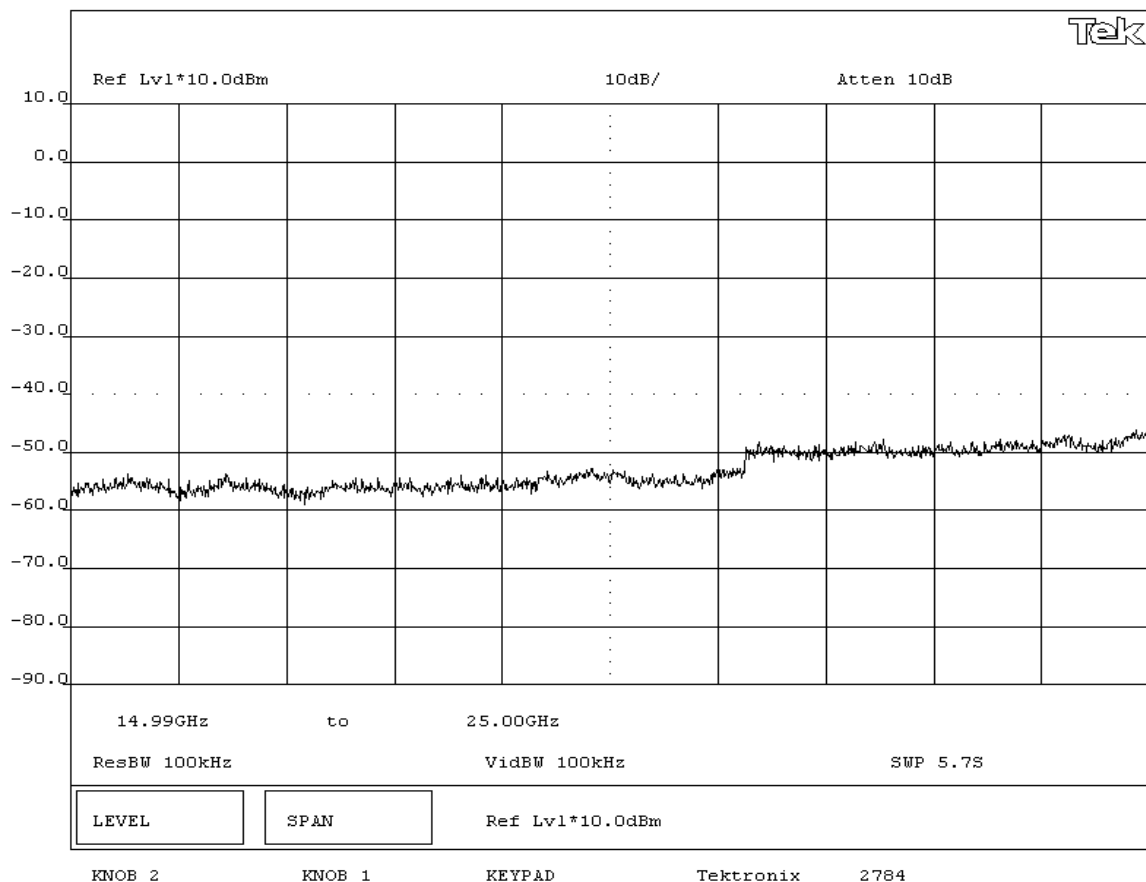
Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at maximum data rate, 802.11(b) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz | | | | | |



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01/30/01

| | | | | |
|--------------------------------|--|--------------------------|---------------------------|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | |
| Serial Number: C1 | | | Date: 06/25/03 | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | |

TEST SPECIFICATIONS

| | | | |
|---------------------------------|--------------------|--------------------------------|------------|
| Specification: 47 CFR 15.247(c) | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 |
|---------------------------------|--------------------|--------------------------------|------------|

SAMPLE CALCULATIONS**COMMENTS****EUT OPERATING MODES**

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

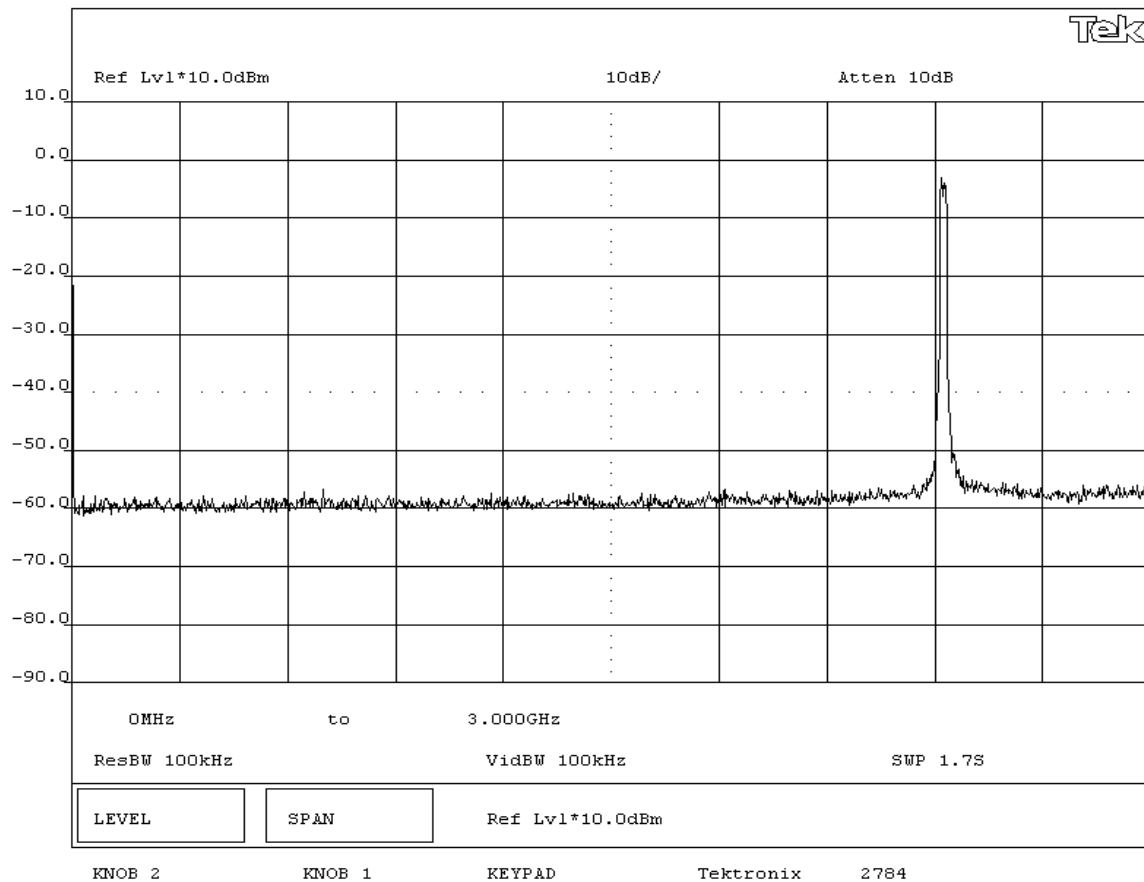
None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

Pass

SIGNATURETested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz - 6 Mbit**

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EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Tested by: | Greg Kiemel |
| | | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

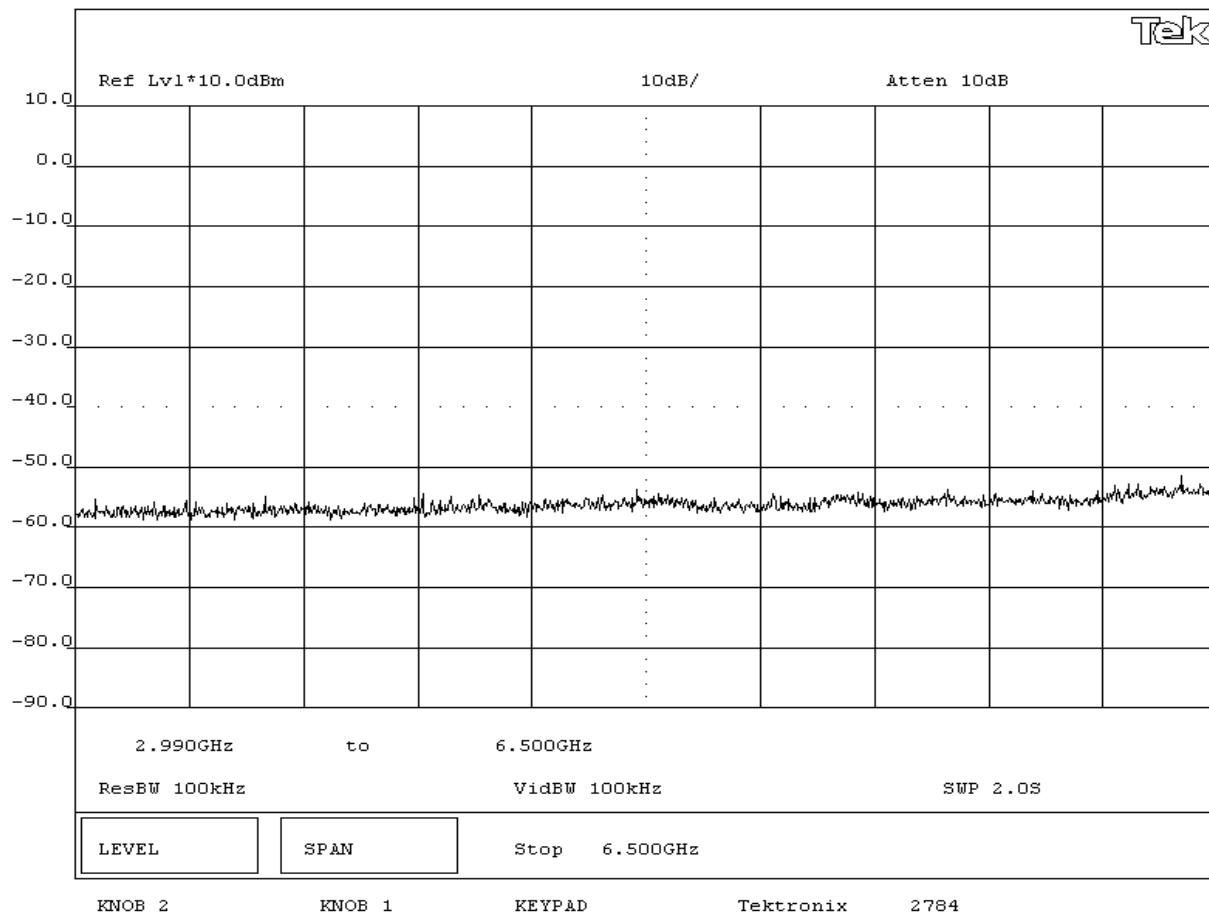
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz - 6 Mbit



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EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Tested by: | Greg Kiemel |
| | | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

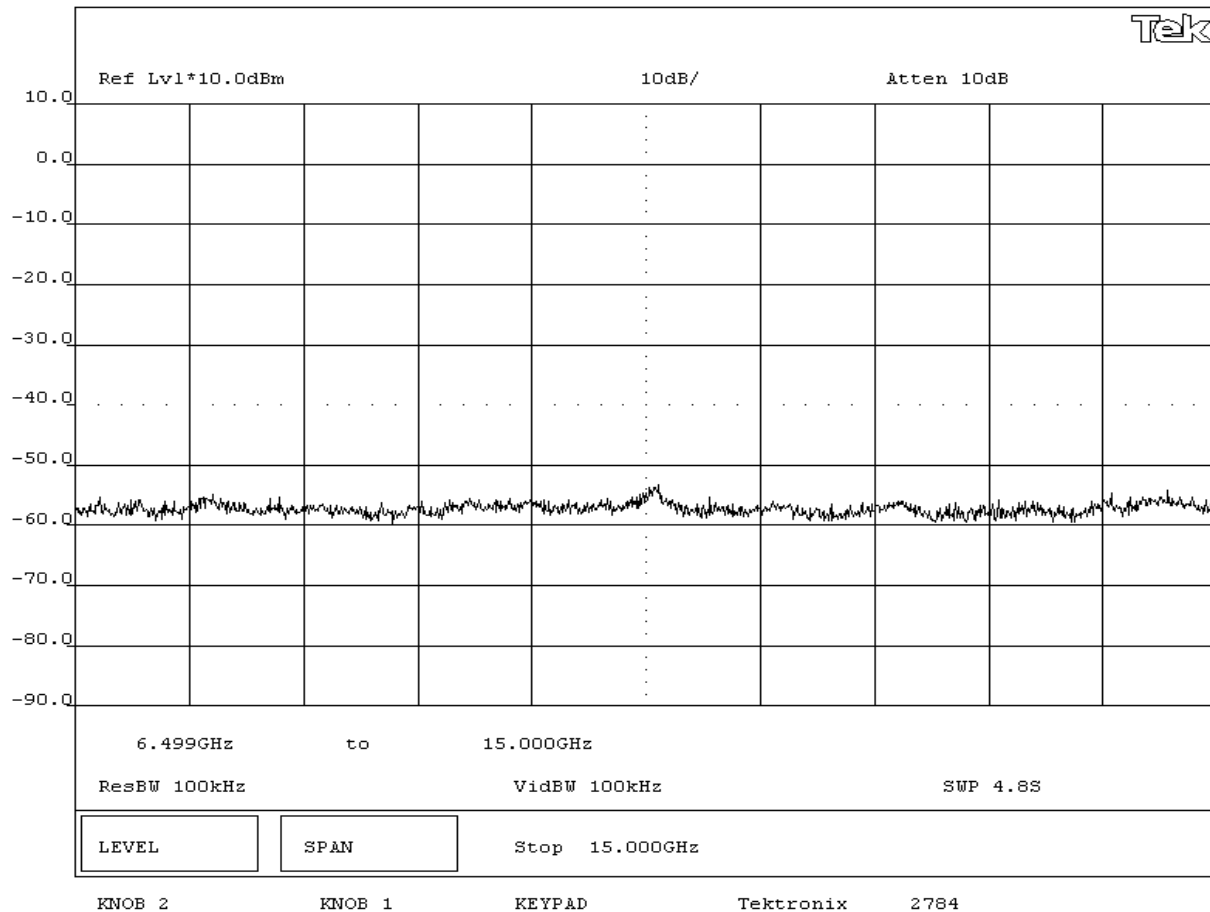
Pass


SIGNATURE

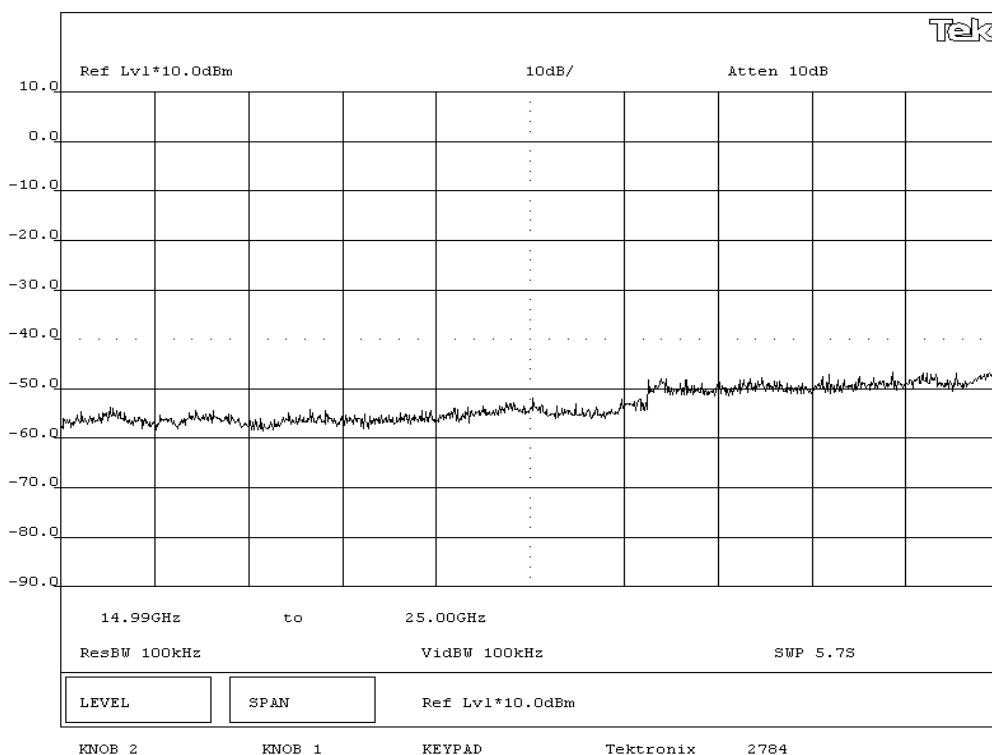
Tested By: 


DESCRIPTION OF TEST

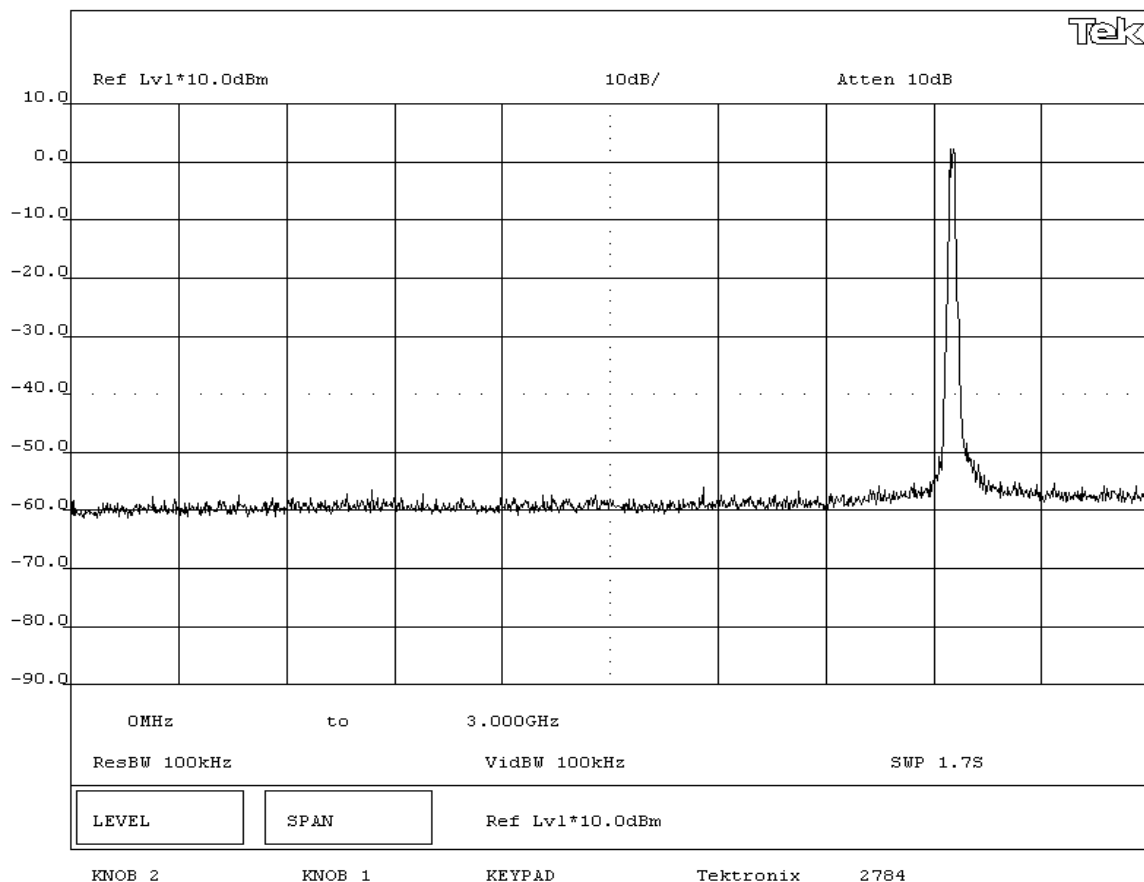
Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz - 6 Mbit



| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
|--|----------------------|----------------------|-------------------|----------------------|------------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 | | |
| Serial Number: | C1 | Date: | 06/25/03 | | |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F | | |
| Attendees: | C.D. White | Tested by: | Greg Klemel | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit | Job Site: | EV06 |
| TEST SPECIFICATIONS | | | | | |
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 |
| | | | | Year: | 1992 |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
|  Tested By: _____ | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz 6 Mbit | | | | | |



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
|  Tested By: _____ | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz - 6 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

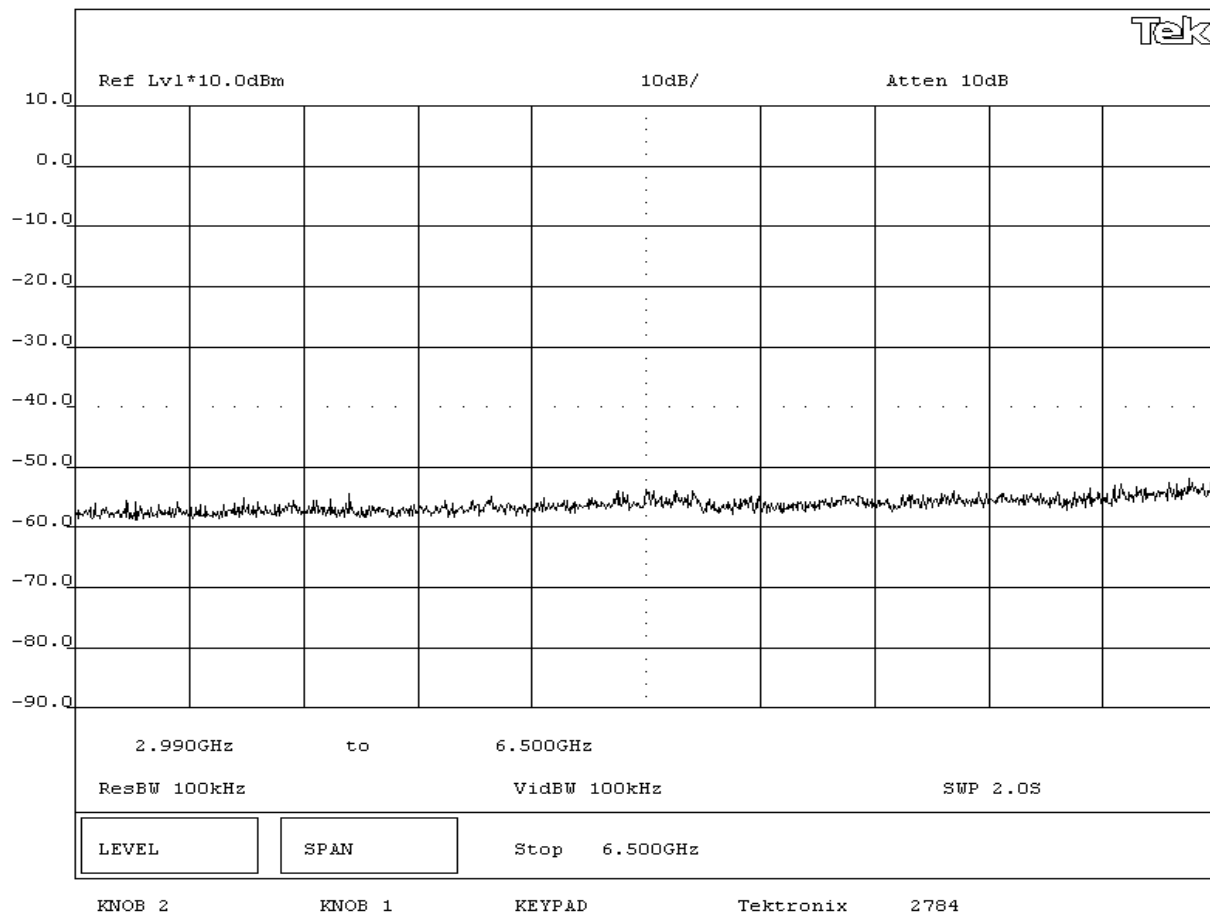
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz - 6 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

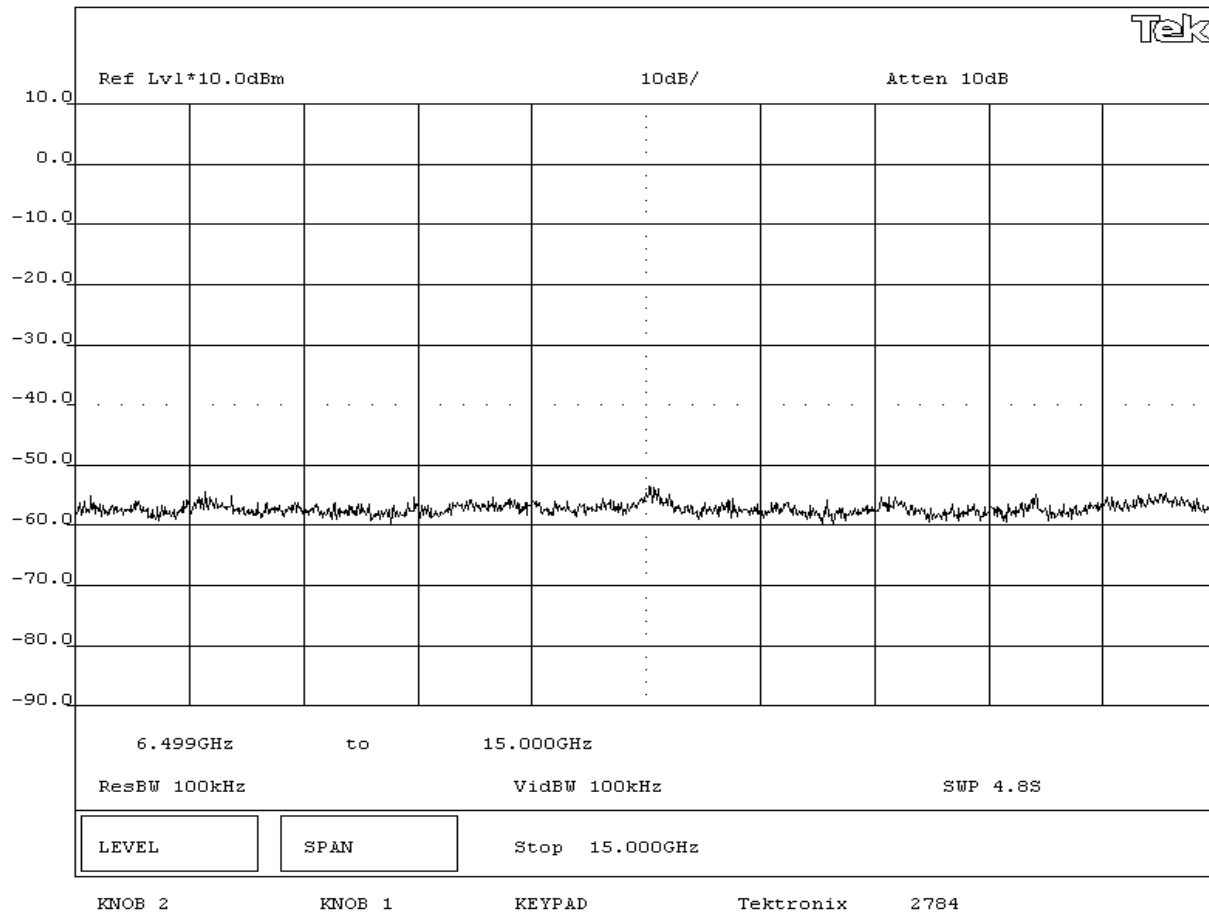
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz - 6 Mbit



EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Tested by: | Greg Kiemel |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Humidity: | 38% RH |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

| |
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| |
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COMMENTS

| COMMENTS | |
|----------|--|
| | |

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

| |
|-------------------------------|
| DEVIATIONS FROM TEST STANDARD |
| None |

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

Page

SIGNATURE

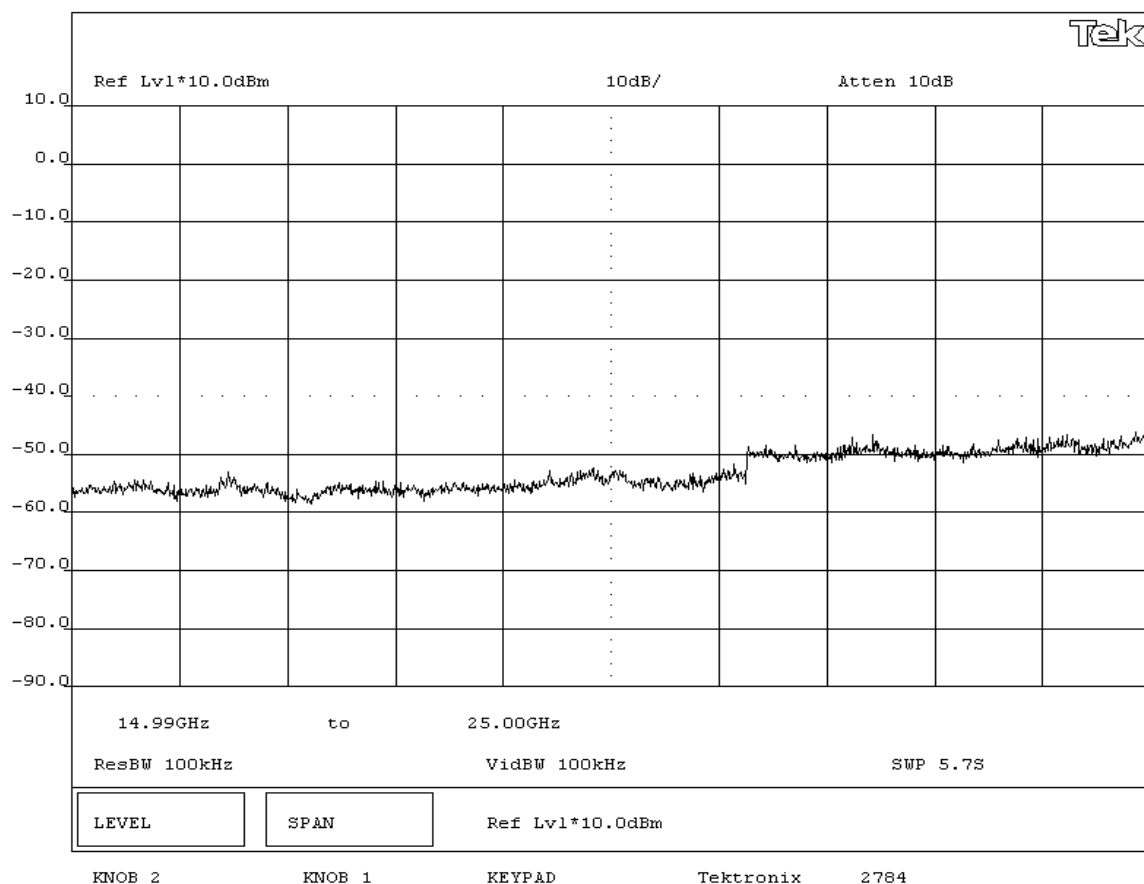
SIGNATURE


U.K.P

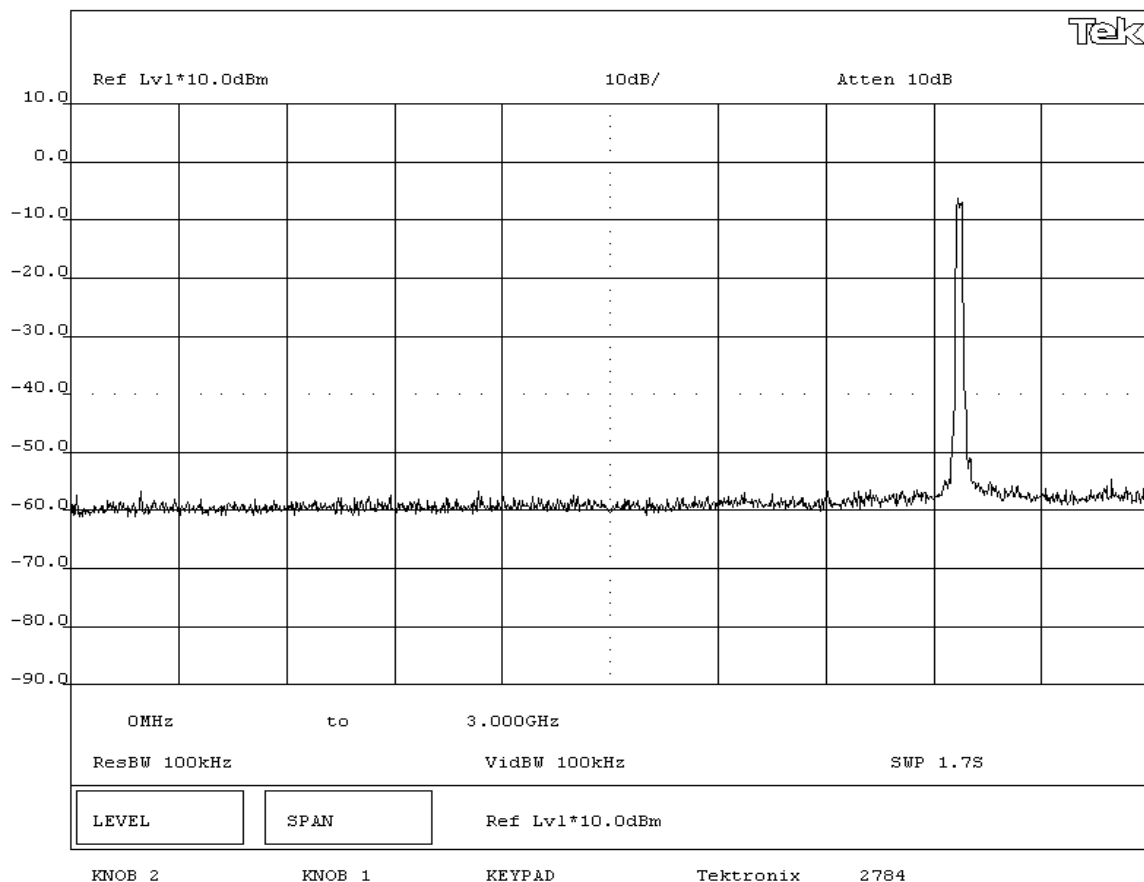
Tested By: _____

DESCRIPTION OF TEST

| | |
|---|--|
| DESCRIPTION OF TEST | |
| Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz - 6 Mbit | |



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz - 6 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

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| |
| |

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

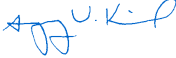
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

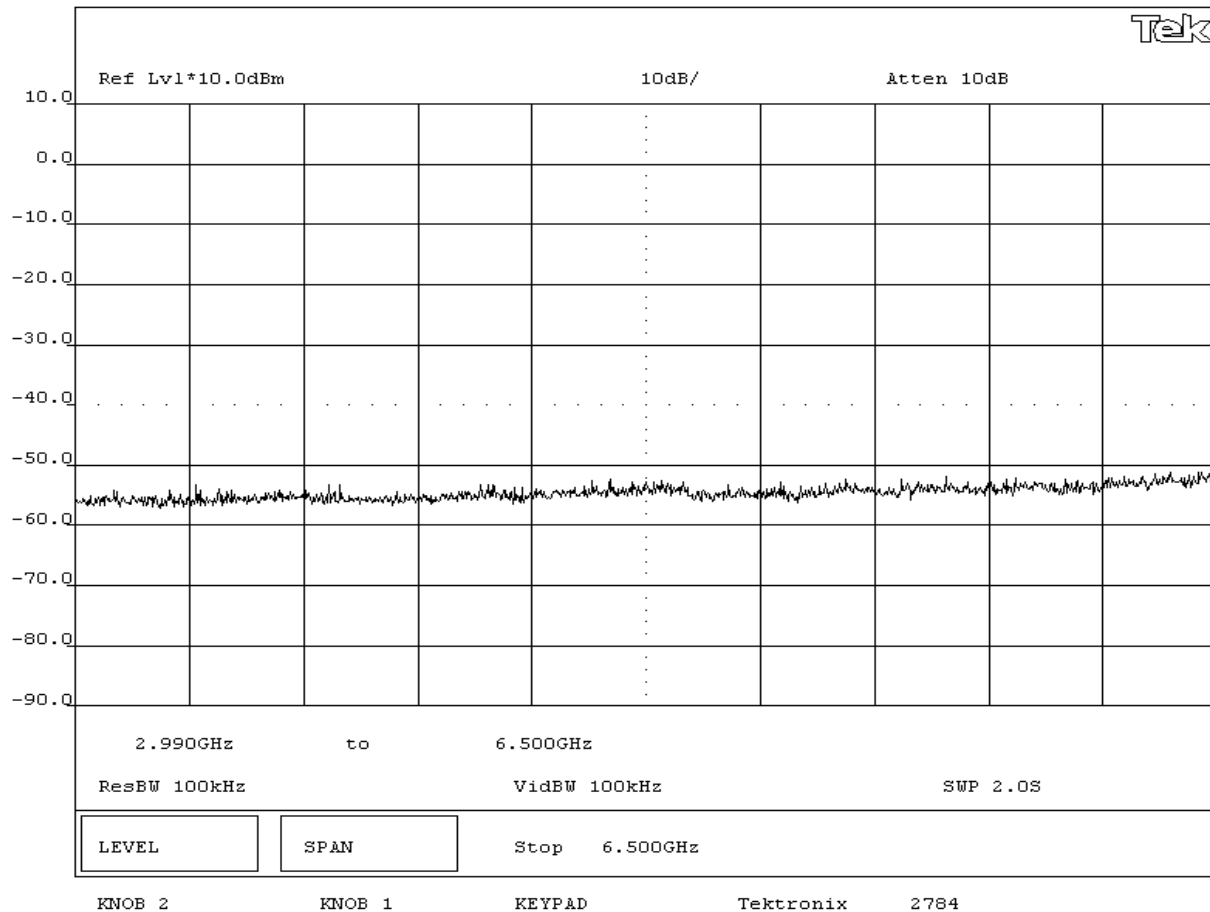
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz - 6 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

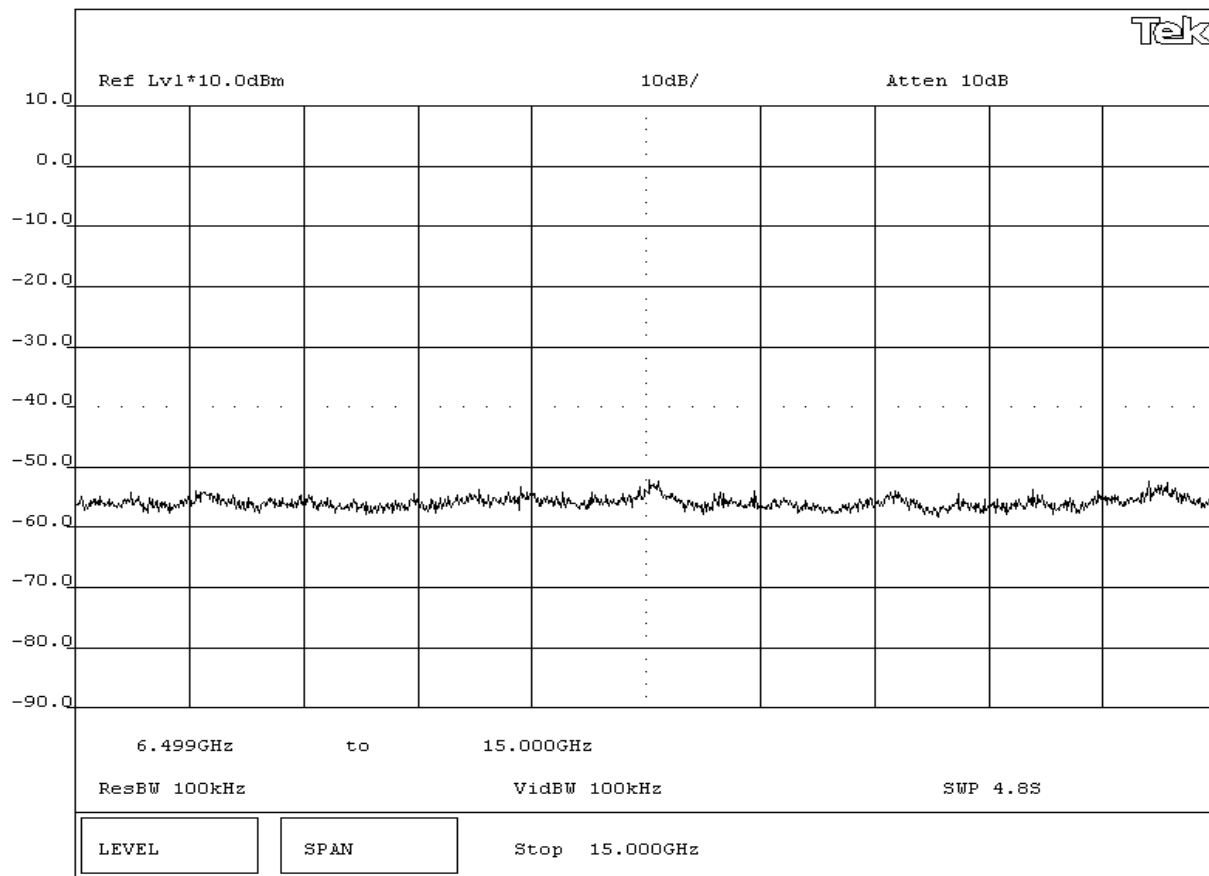
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz - 6 Mbit



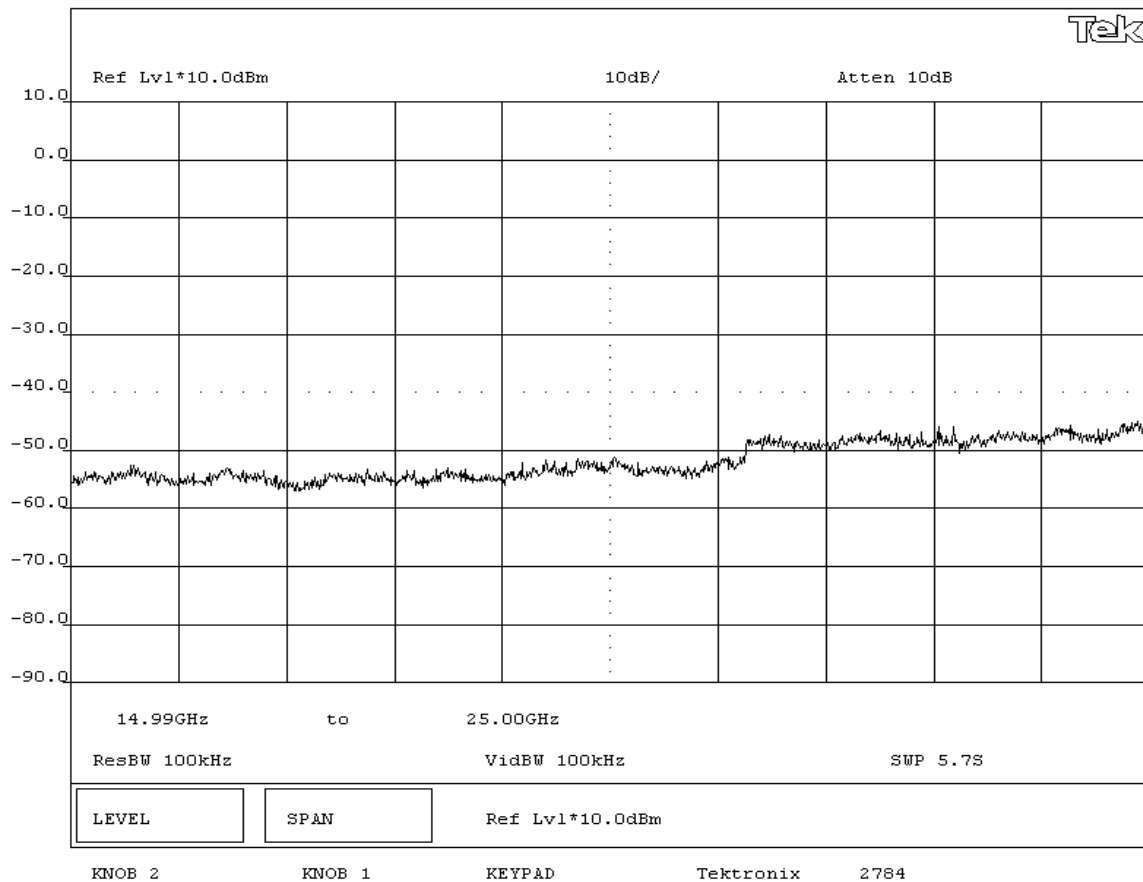
Knob 2


Knob 1

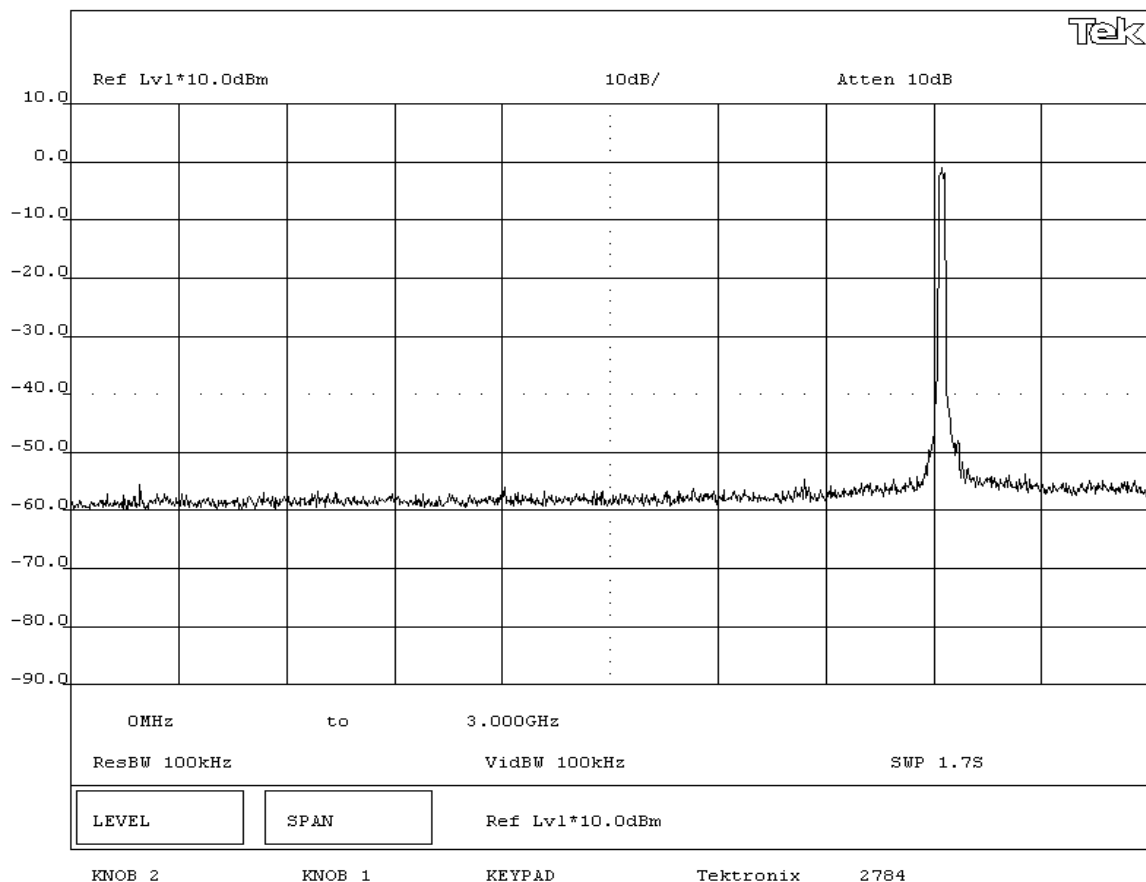
Keypad

Tektronix

2784



| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
|--|--|-----------------------------|--------------------------------|----------------------|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| COMMENTS | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz - 36 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

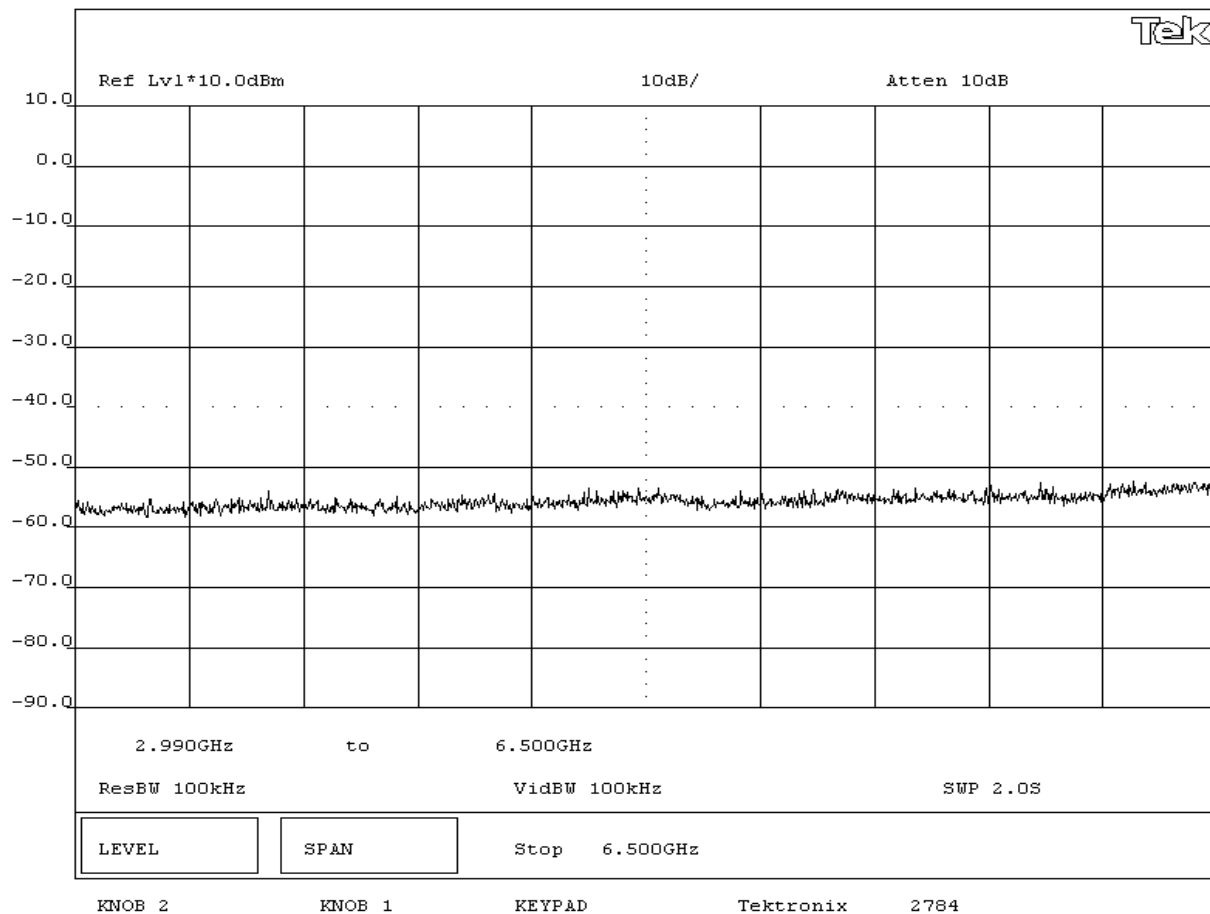
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz - 36 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

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COMMENTS

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| |
|--|

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

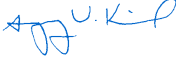
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

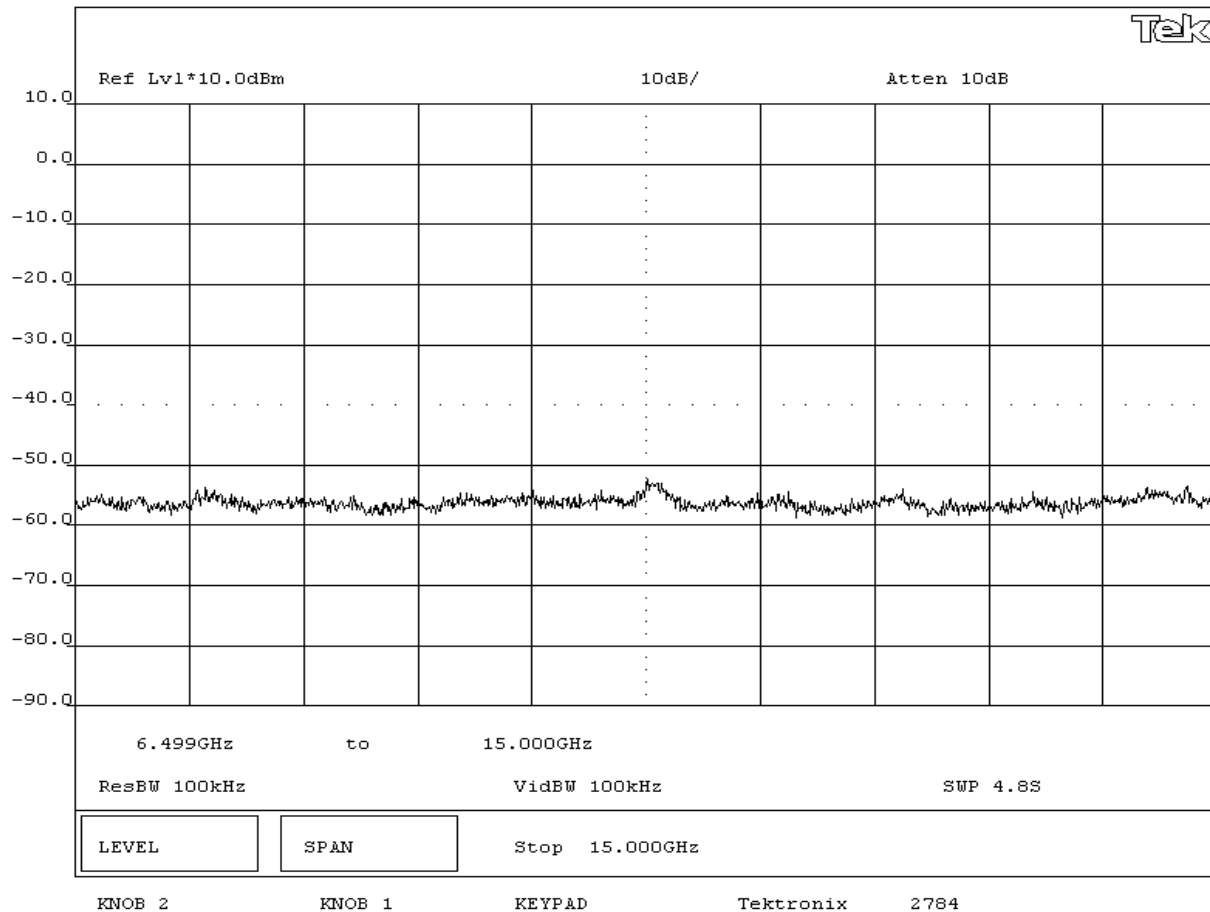
Pass


SIGNATURE

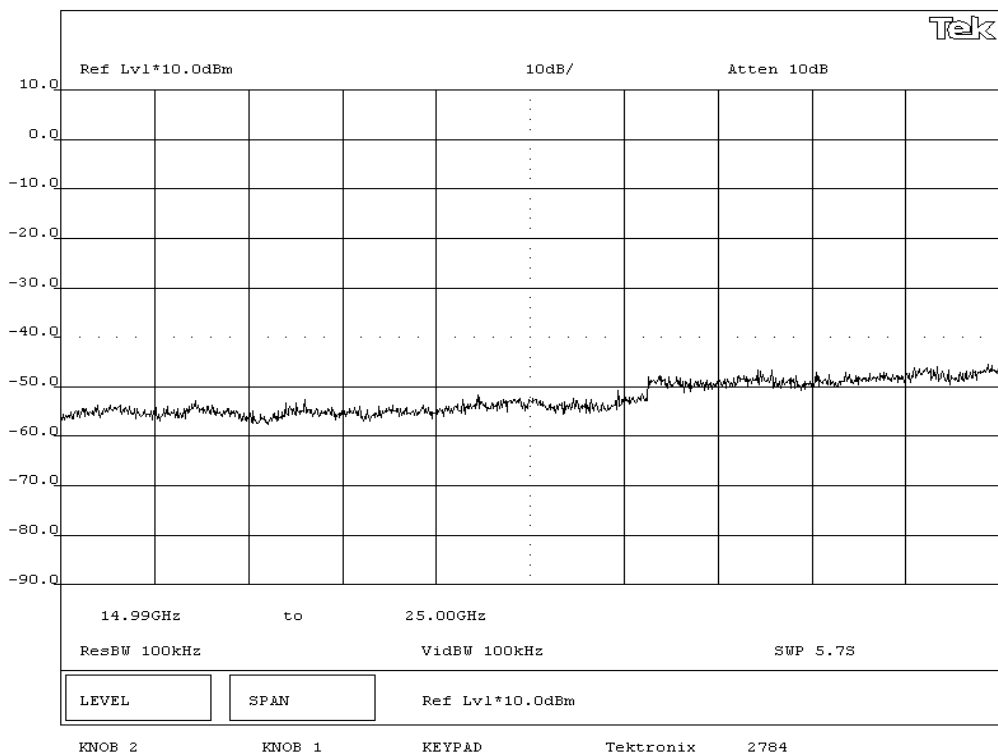
Tested By: 


DESCRIPTION OF TEST

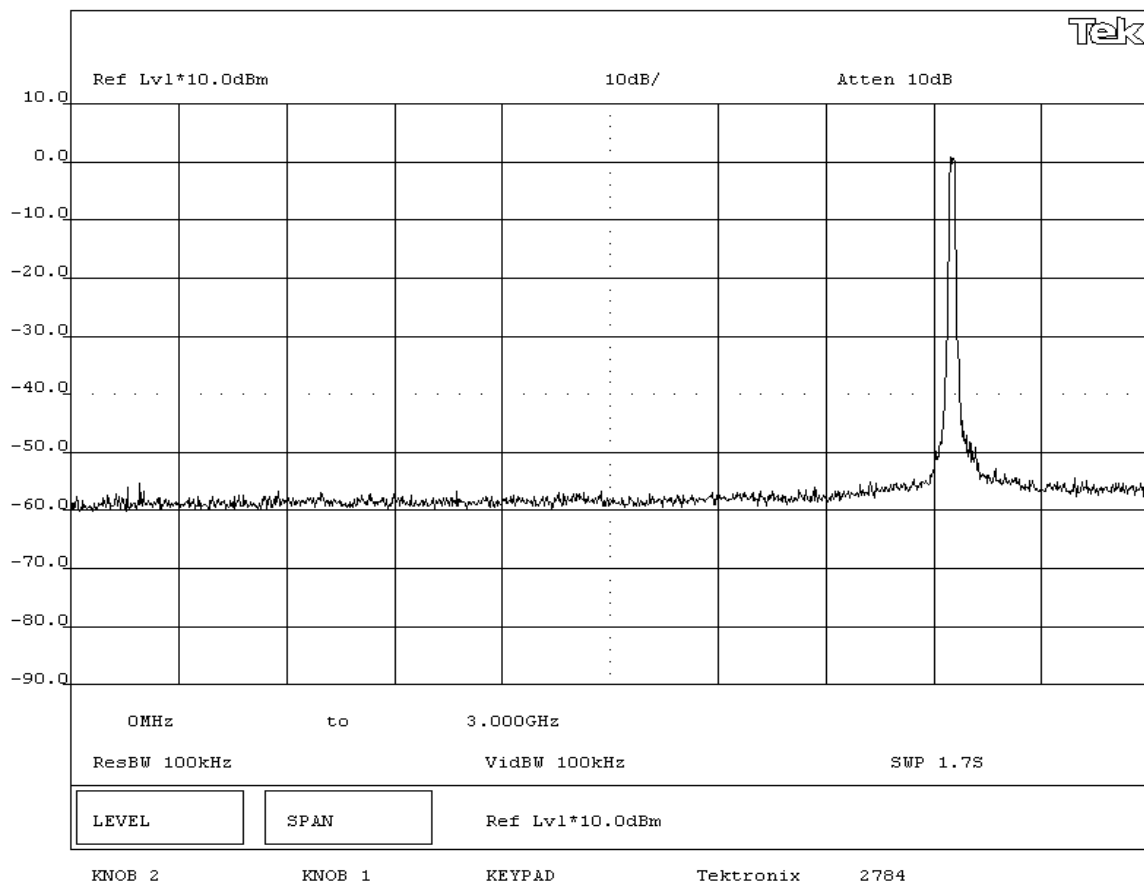
Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz - 36 Mbit



| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
|--|----------------------|----------------------|-------------------|----------------------|------------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 | | |
| Serial Number: | C1 | Date: | 06/25/03 | | |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F | | |
| Attendees: | C.D. White | Tested by: | Greg Klemel | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit | Job Site: | EV06 |
| TEST SPECIFICATIONS | | | | | |
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 |
| | | | | Year: | 1992 |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
|  Tested By: _____ | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz - 36 Mbit | | | | | |



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz - 36 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

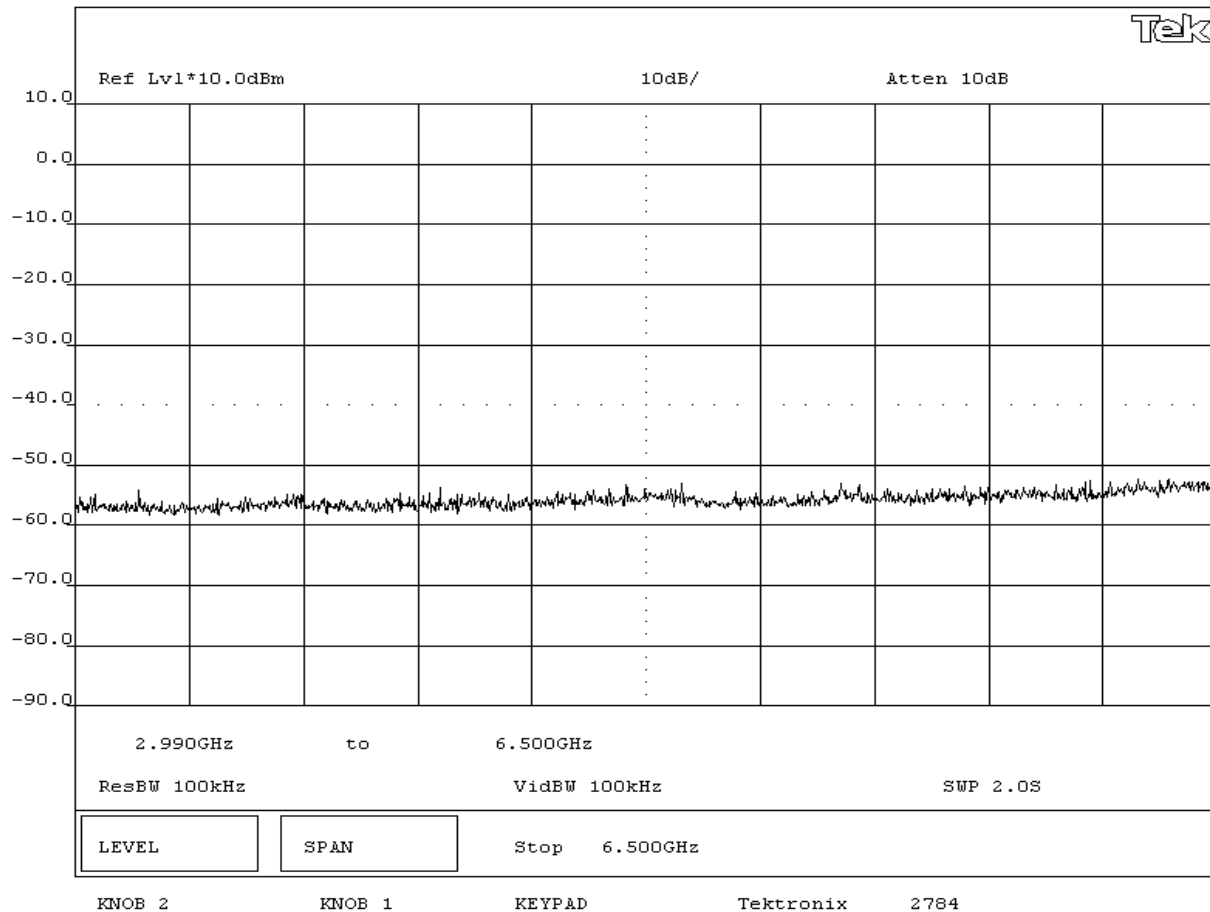
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz - 36 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

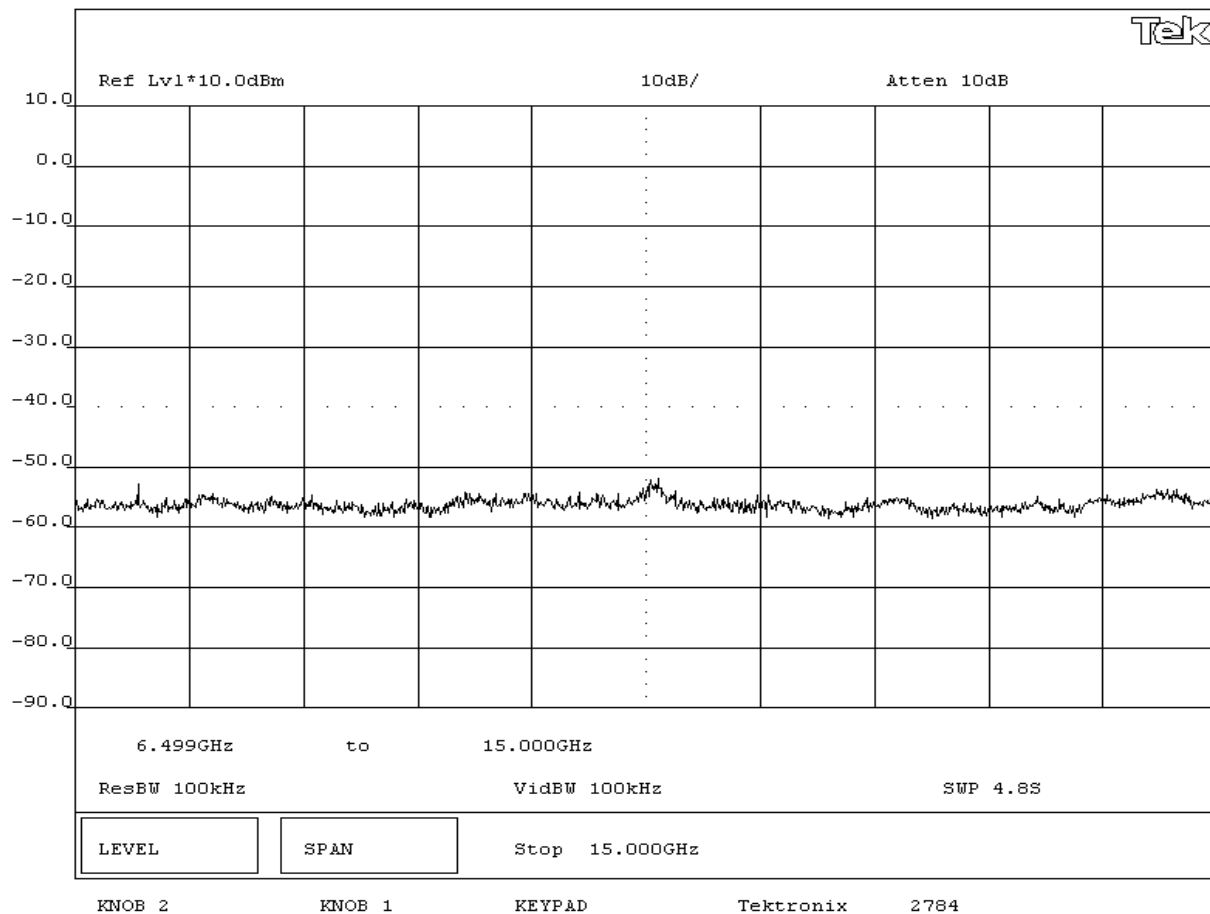
Pass


SIGNATURE

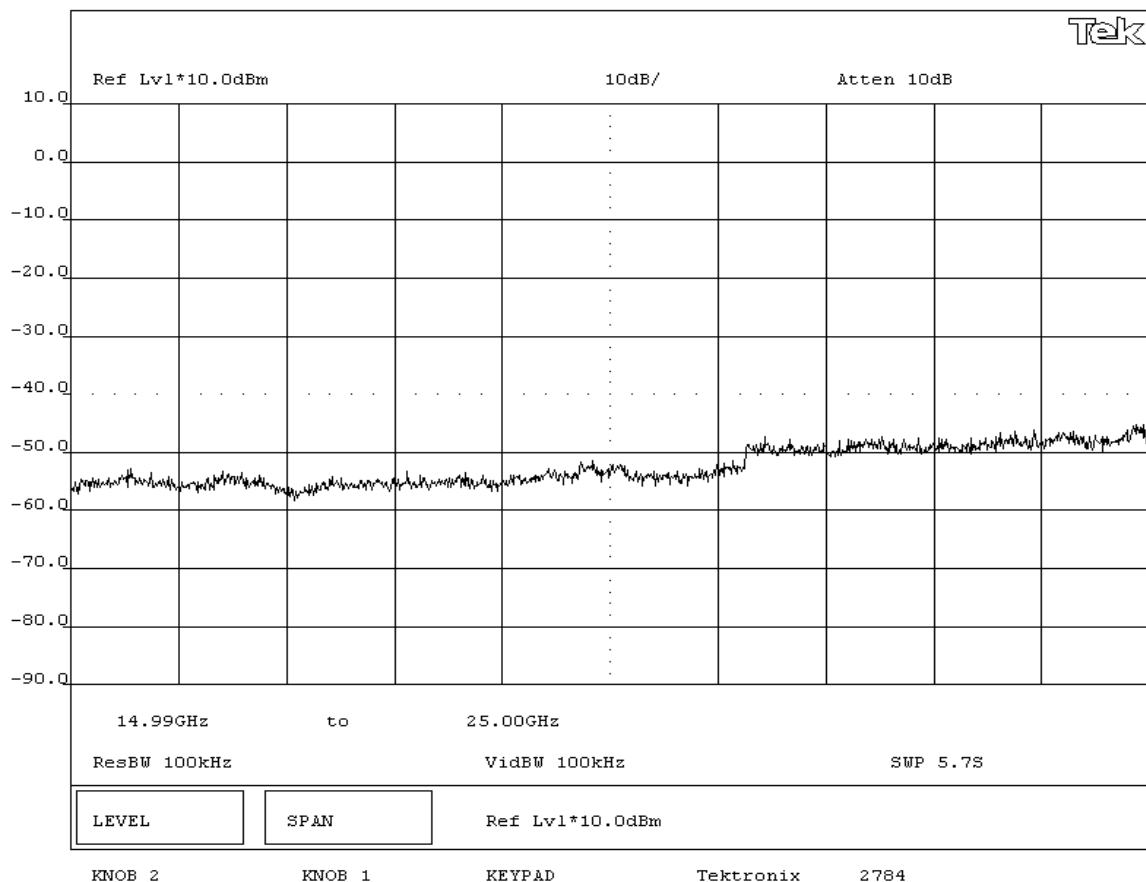
Tested By: 


DESCRIPTION OF TEST

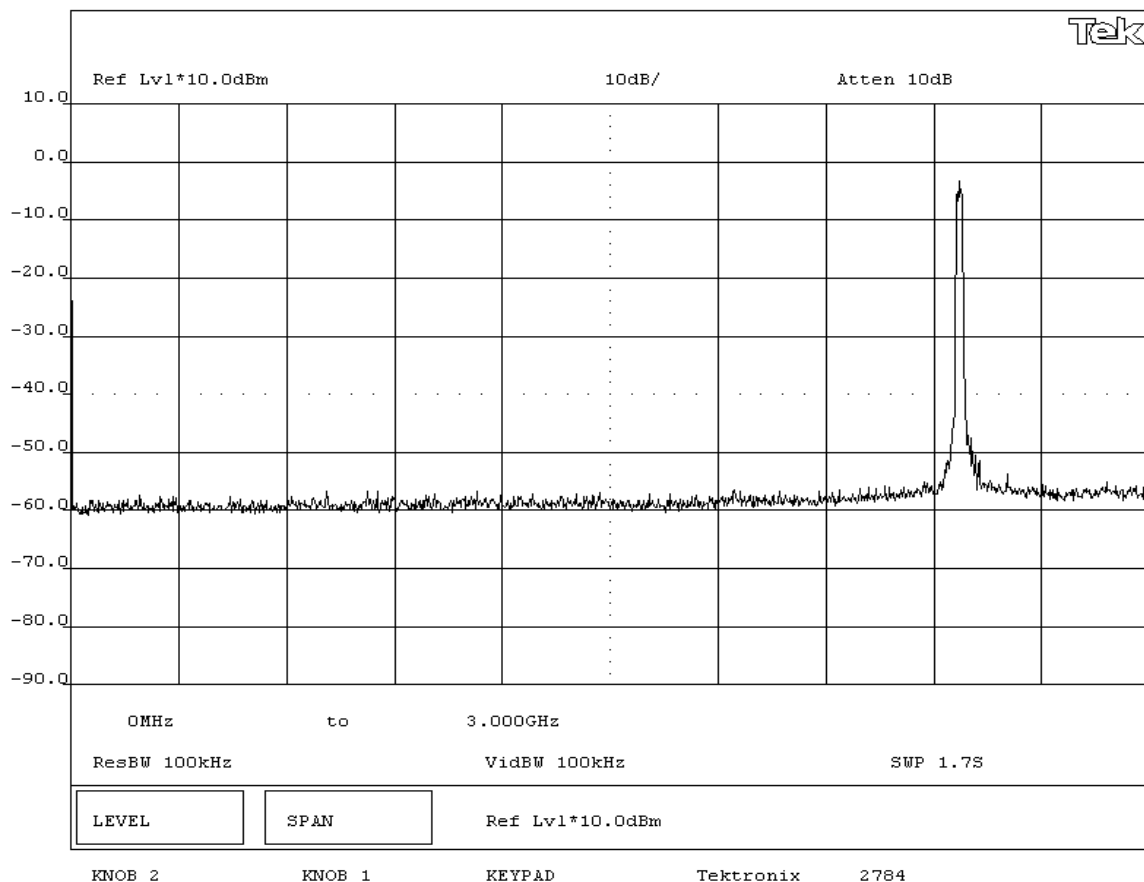
Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz - 36 Mbit



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz - 36 Mbit | | | | | |



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz - 36 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

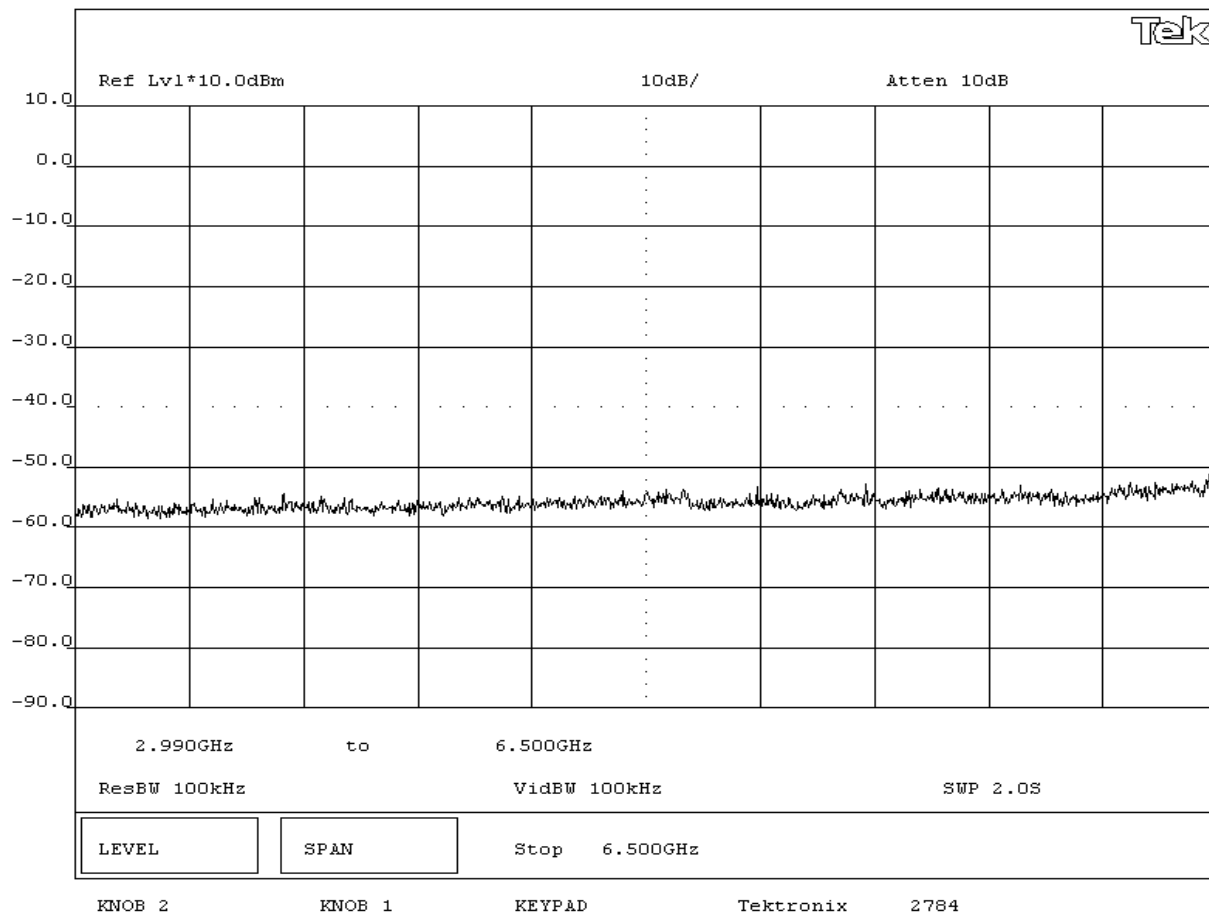
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz - 36 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

| |
|--|
| |
|--|

COMMENTS

| |
|--|
| |
|--|

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

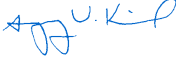
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

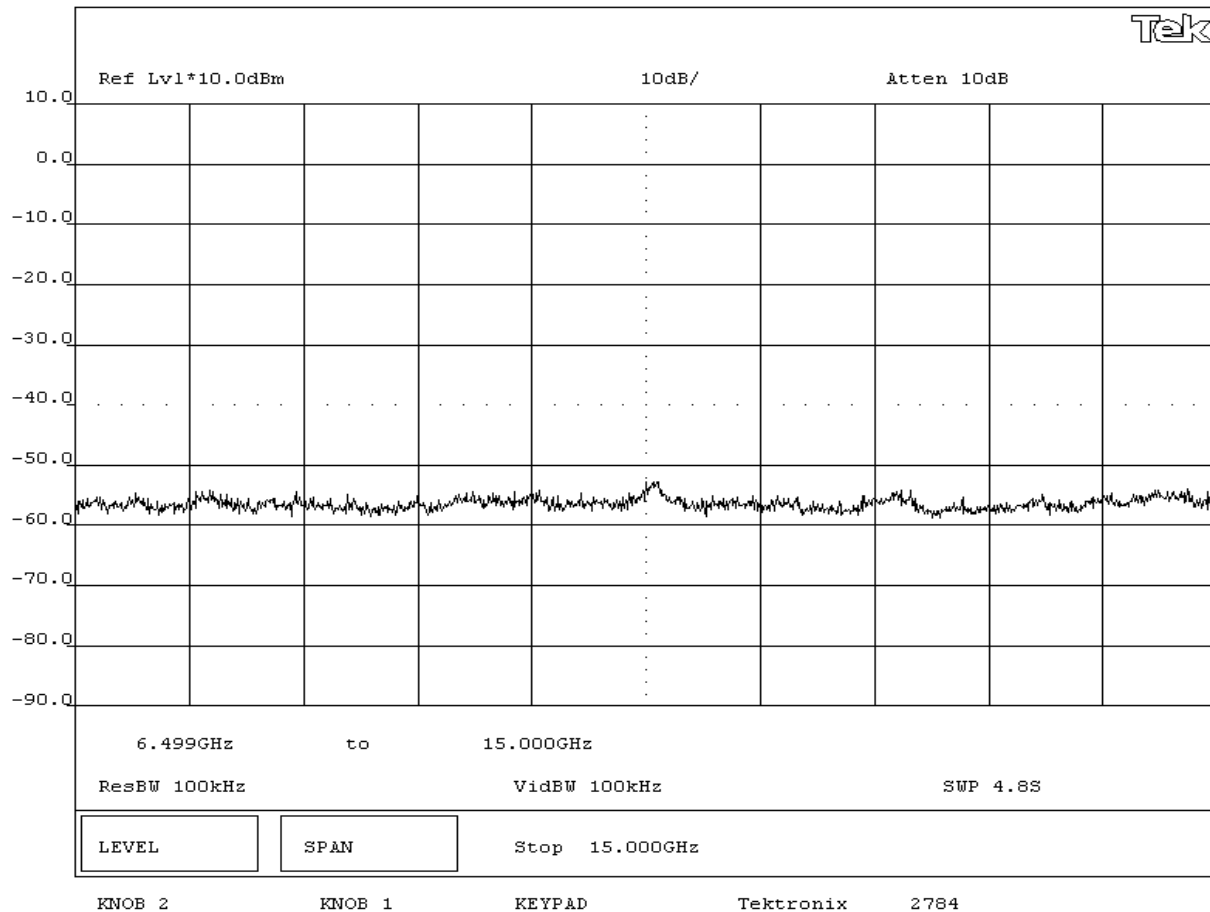
Pass


SIGNATURE

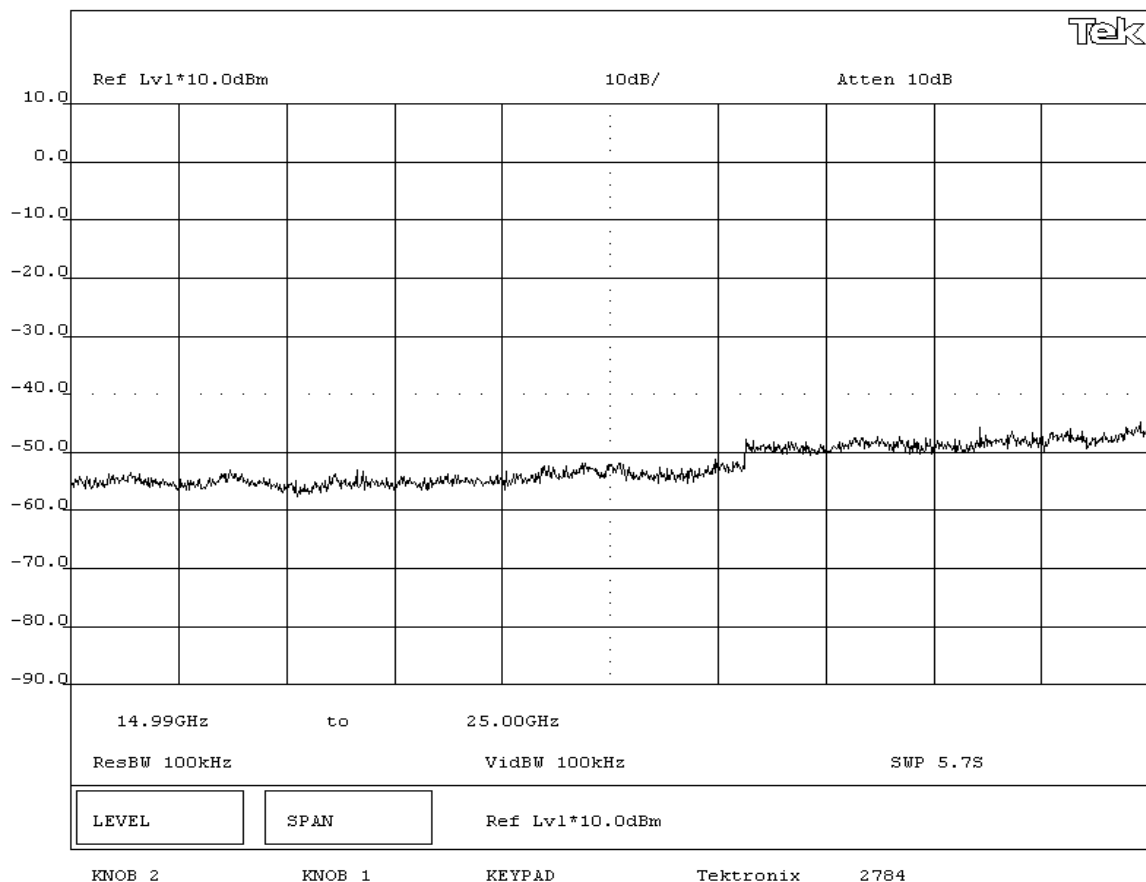
Tested By: 


DESCRIPTION OF TEST

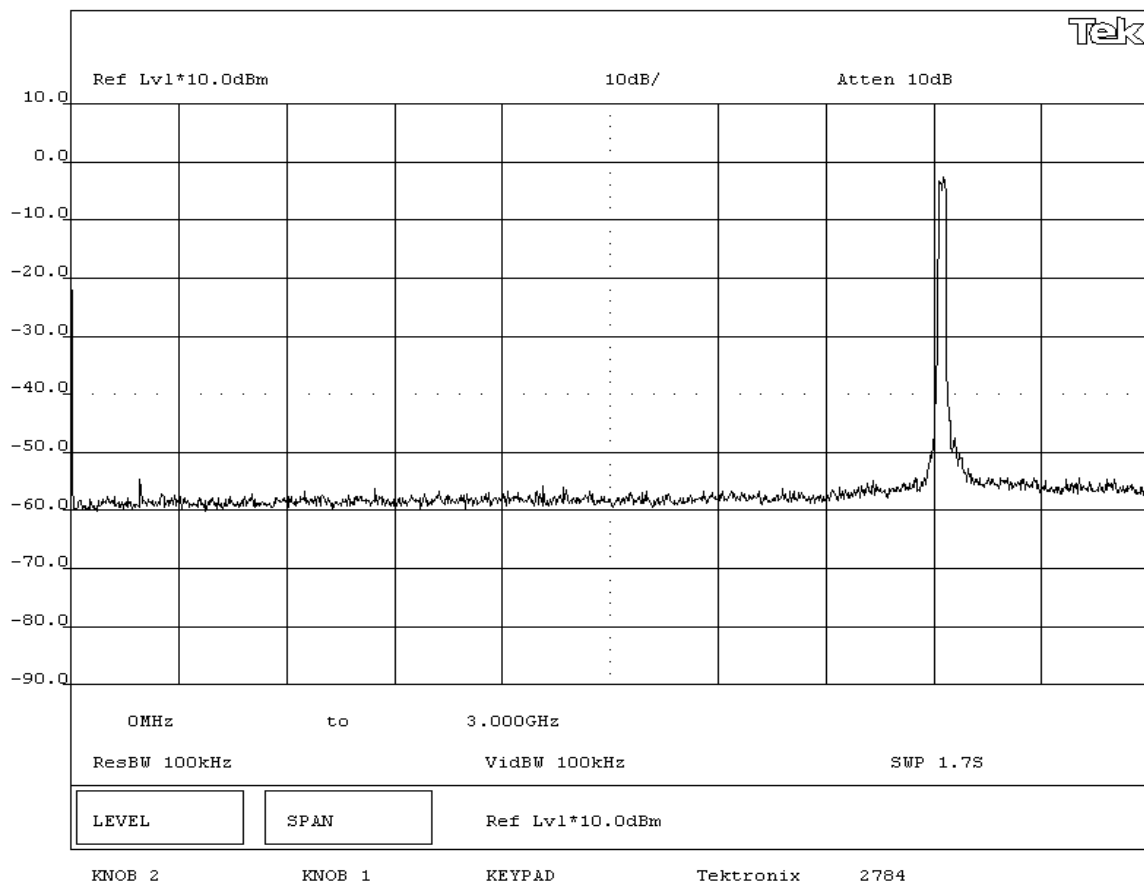
Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz - 36 Mbit



| | | | | | |
|--|--|-----------------------------|--------------------------------|----------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz - 36 Mbit | | | | | |



| | | | | | |
|--|--|-----------------------------|---------------------------|--------------------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz - 54 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Tested by: | Greg Kiemel |
| | | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

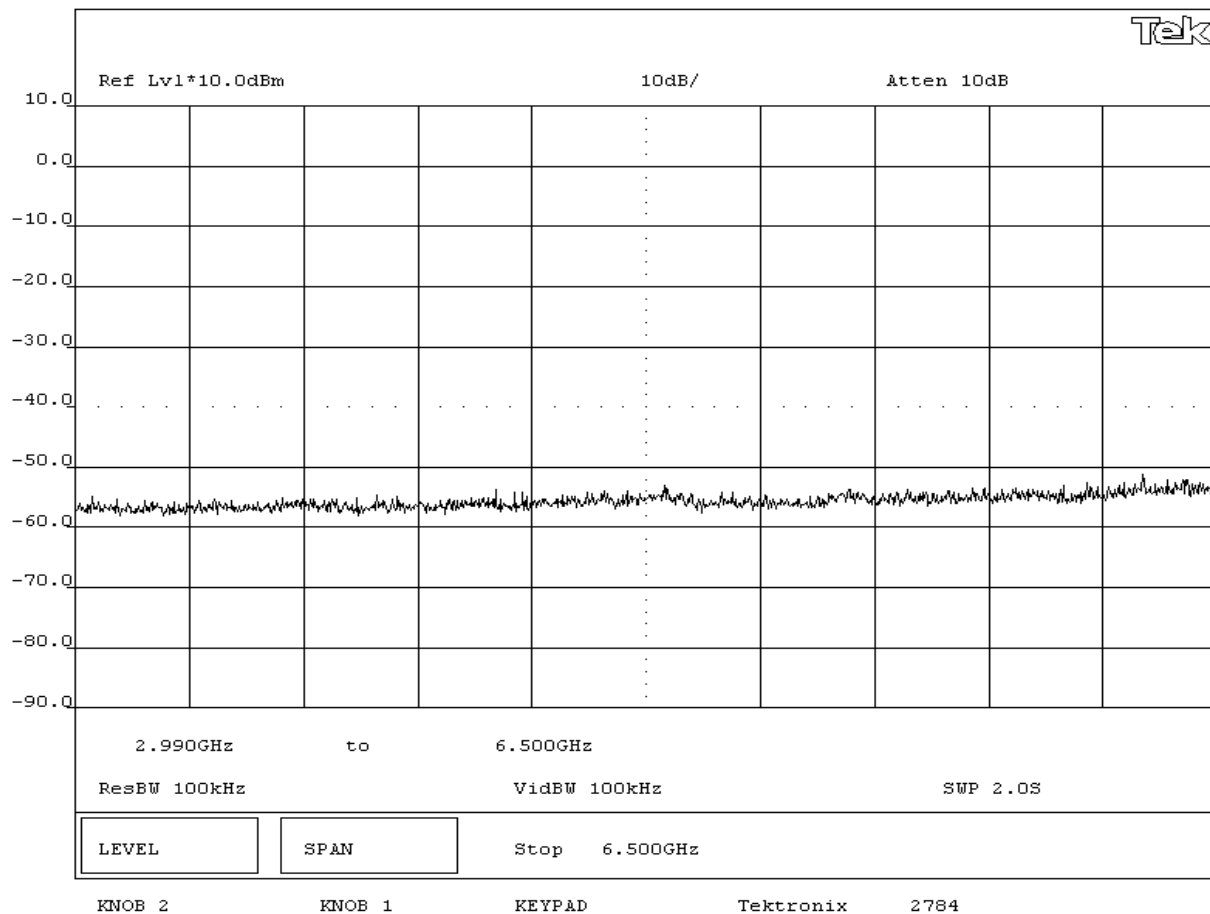
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz - 54 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

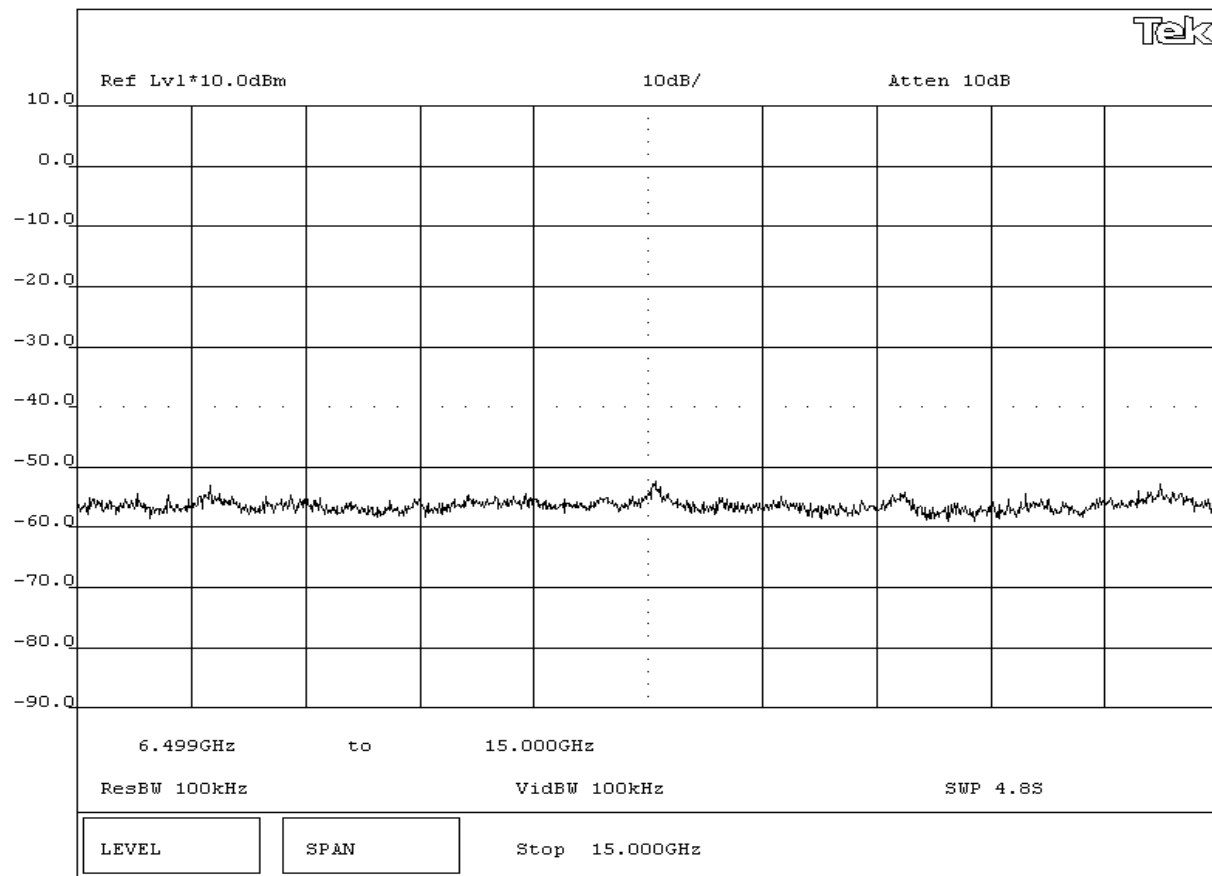
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz - 54 Mbit




Knob 2

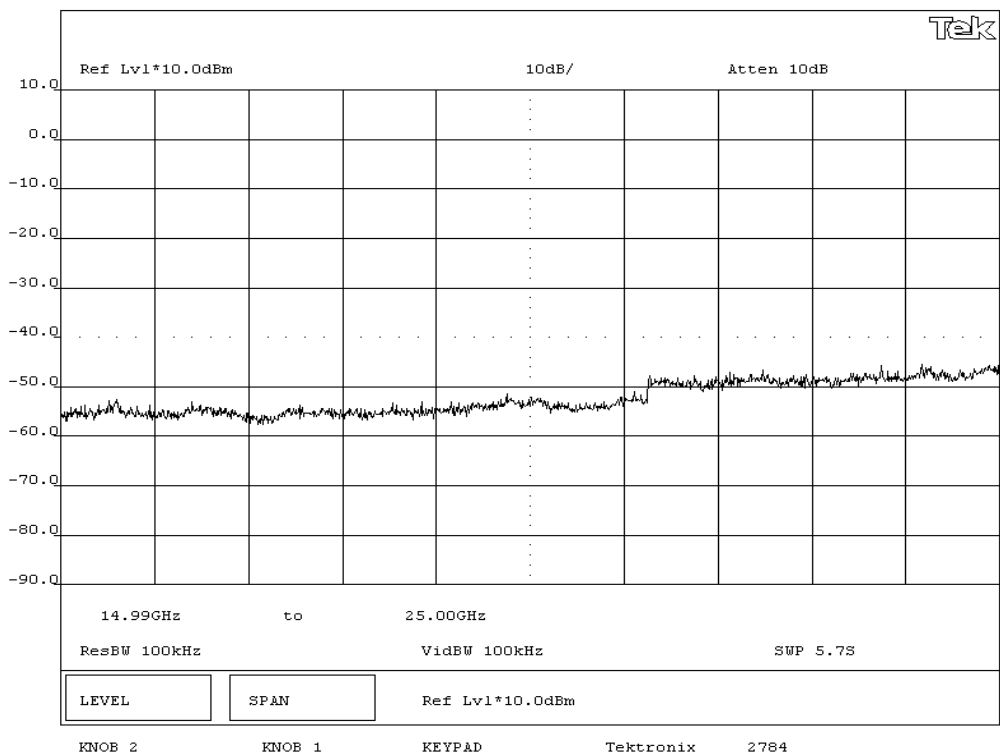
Knob 1

Keypad

Tektronix

2784

| NORTHWEST EMC EMISSIONS DATA SHEET | | | | Rev BETA 01/30/01 | |
|--|--|--------------------------|---------------------------|--------------------------------|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Klemel | | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | | Job Site: EV06 | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | | Method: FCC 97-114, ANSI C63.4 | |
| | | | | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
|  Tested By: _____ | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz - 54 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | | |
|--------------------------------|--|--------------------------|---------------------------|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | |
| Serial Number: C1 | | | Date: 06/25/03 | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | |

TEST SPECIFICATIONS

| | | | |
|---------------------------------|--------------------|--------------------------------|------------|
| Specification: 47 CFR 15.247(c) | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 |
|---------------------------------|--------------------|--------------------------------|------------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

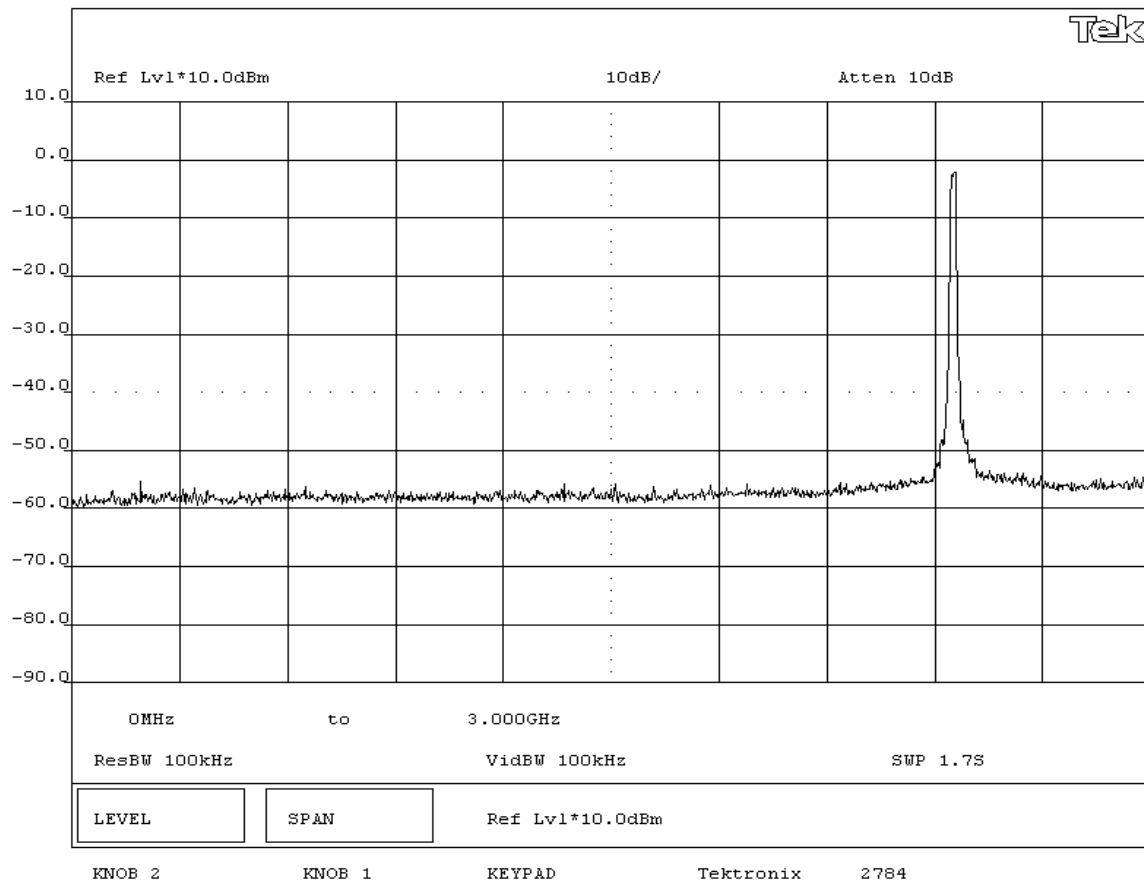
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz - 54 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Tested by: | Greg Kiemel |
| | | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

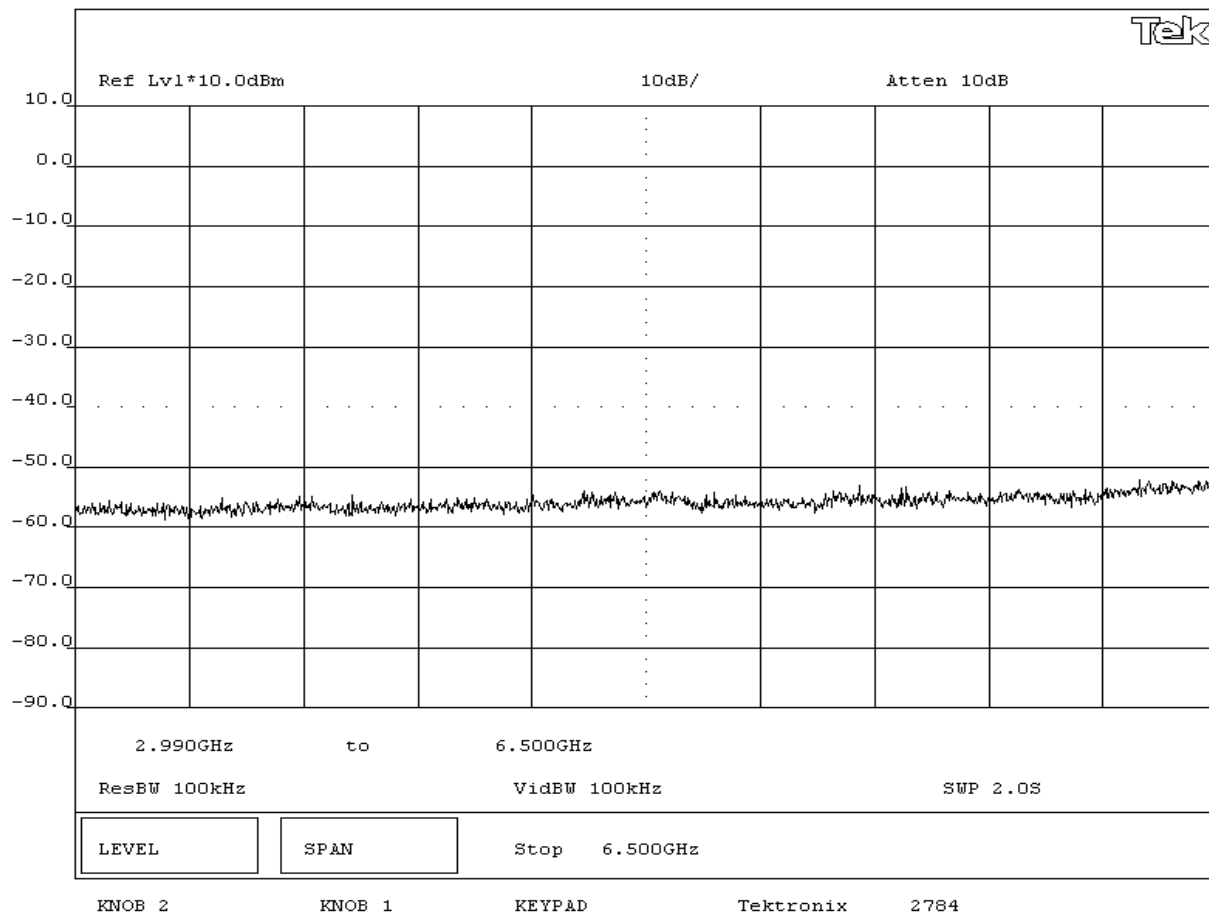
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz - 54 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

| |
|--|
| |
| |

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

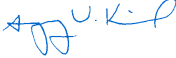
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

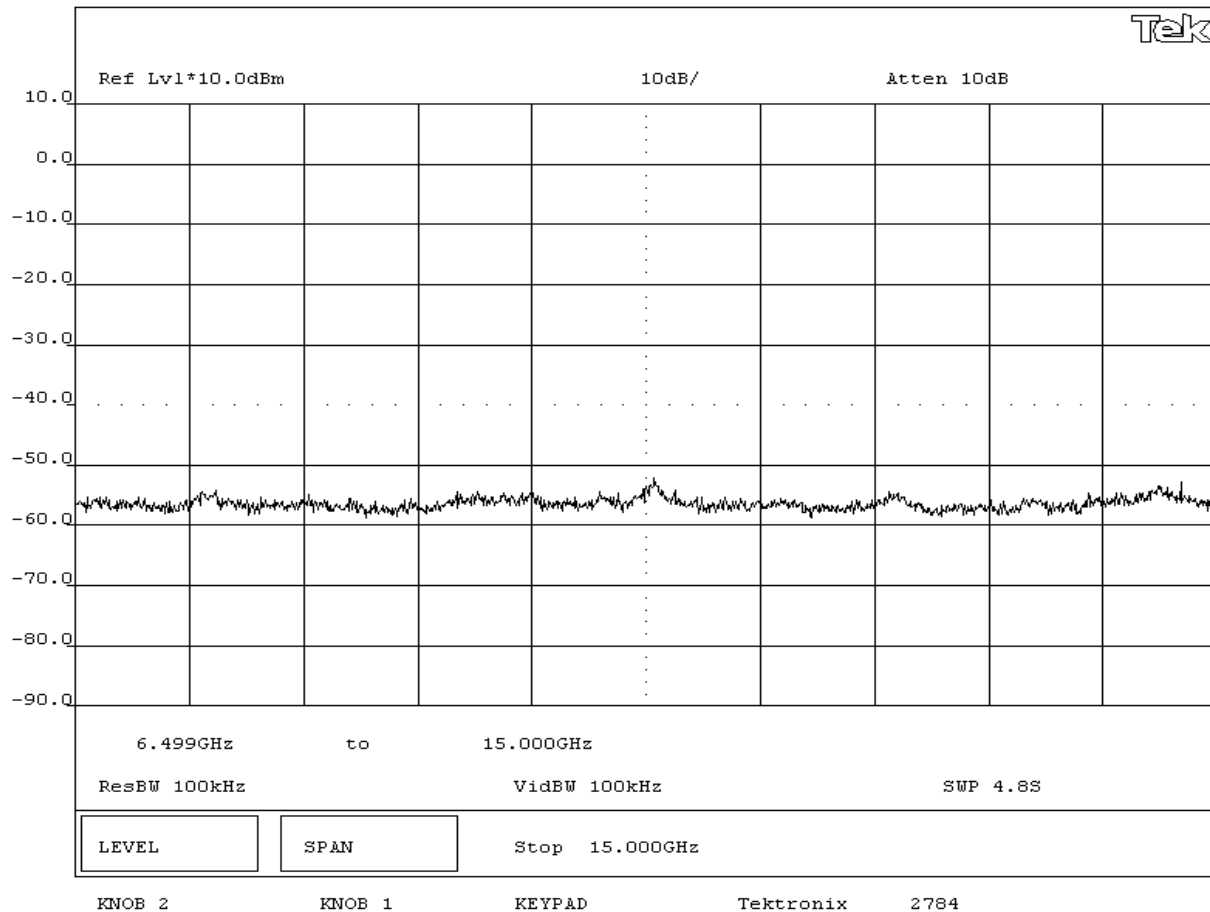
Pass

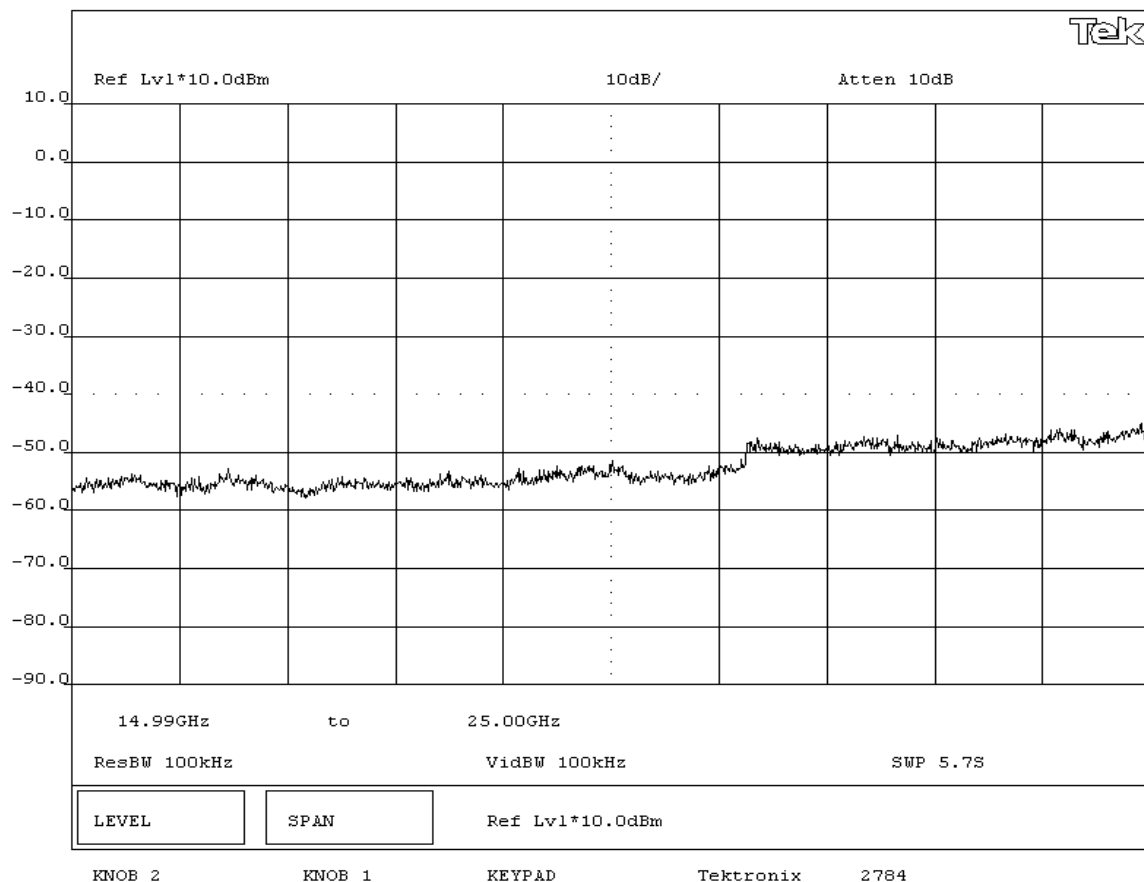
SIGNATURE


Tested By: 

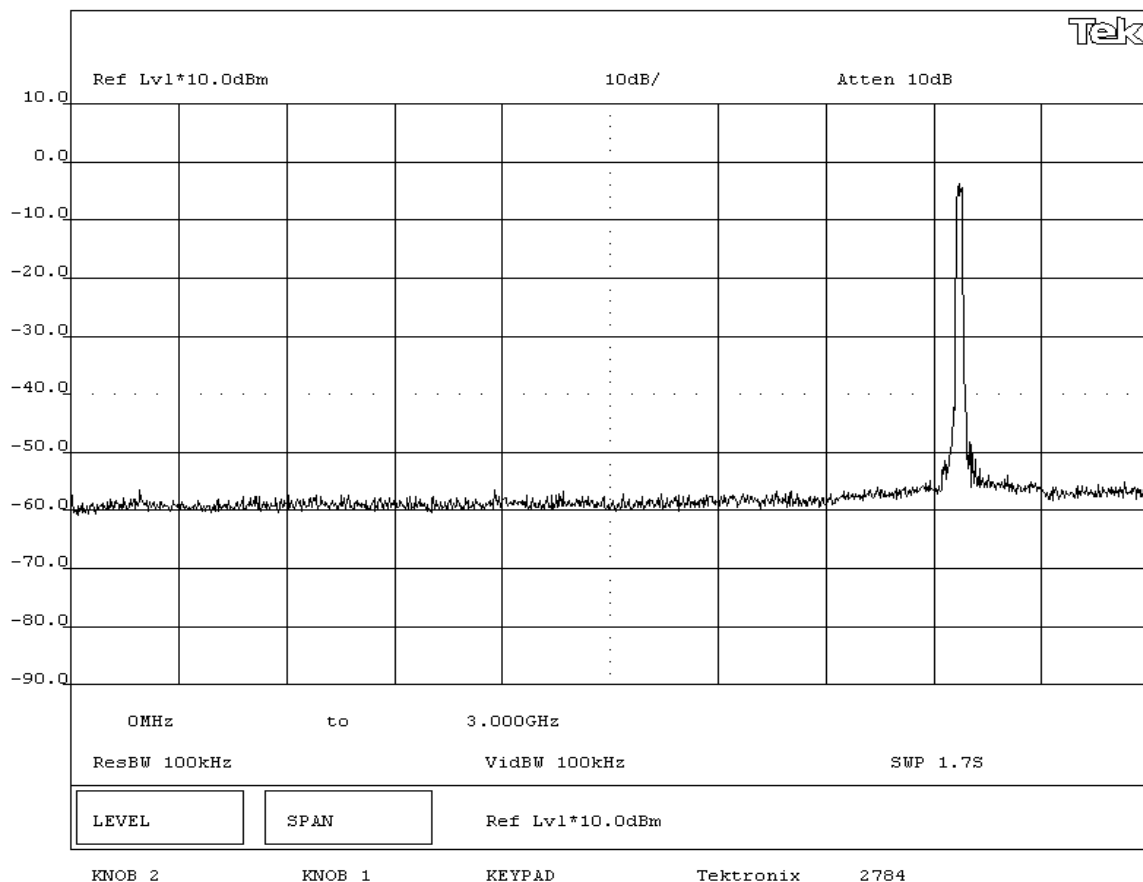
DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz - 54 Mbit





| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
|--|--|-----------------------------|--------------------------------|----------------------|--|
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| COMMENTS | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz - 54 Mbit | | | | | |



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Tested by: | Greg Kiemel |
| | | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

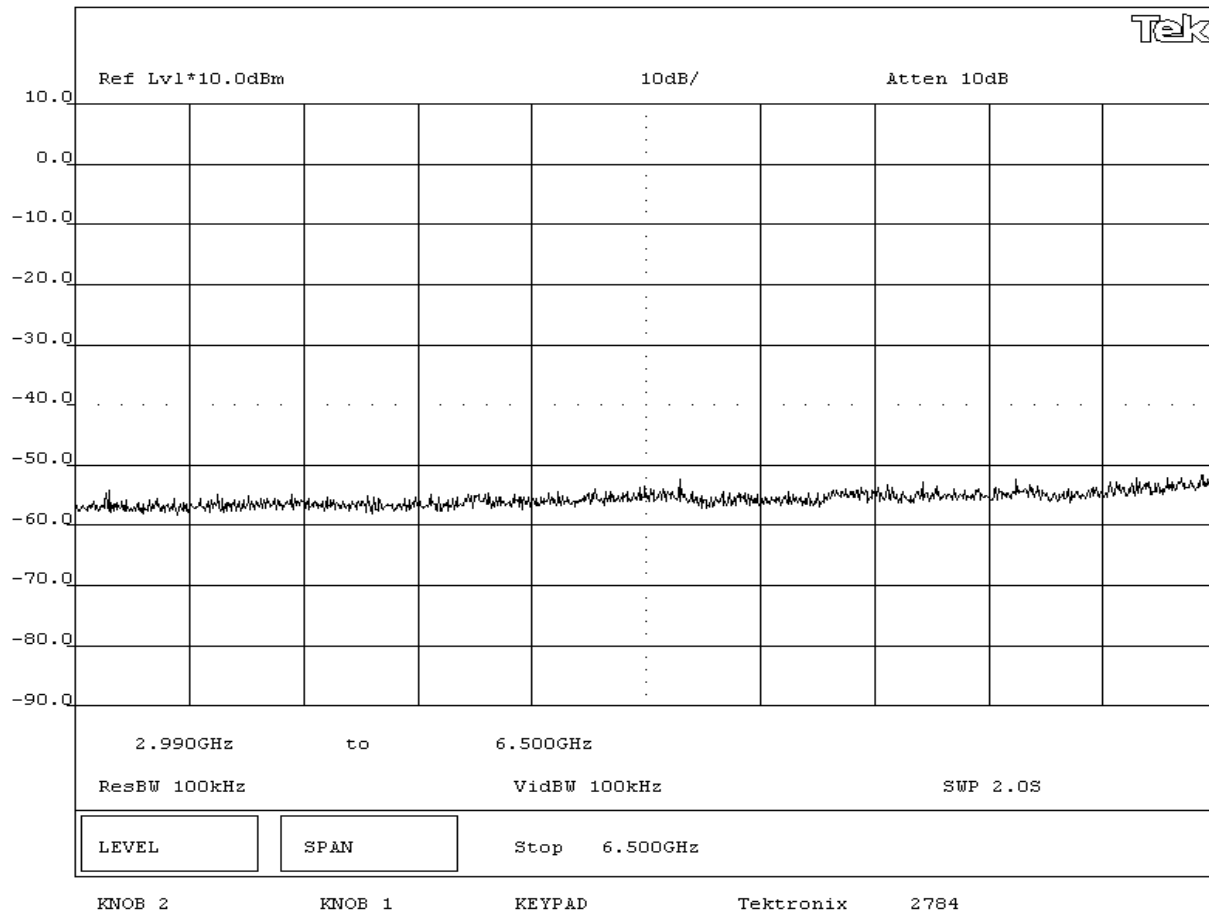
Pass

SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz - 54 Mbit



NORTHWEST
EMC

EMISSIONS DATA SHEET

Rev BETA
01/30/01

| | | | |
|--------------------|----------------------|--------------|-------------------|
| EUT: | 802MIG2 | Work Order: | INMC0086 |
| Serial Number: | C1 | Date: | 06/25/03 |
| Customer: | Intermec Corporation | Temperature: | 77 degrees F |
| Attendees: | C.D. White | Humidity: | 38% RH |
| Customer Ref. No.: | N/A | Power: | DC from Host Unit |
| | | Job Site: | EV06 |

TEST SPECIFICATIONS

| | | | | | | | |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|
| Specification: | 47 CFR 15.247(c) | Year: | Most Current | Method: | FCC 97-114, ANSI C63.4 | Year: | 1992 |
|----------------|------------------|-------|--------------|---------|------------------------|-------|------|

SAMPLE CALCULATIONS

| |
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COMMENTS

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| |
|--|

EUT OPERATING MODES

Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme

DEVIATIONS FROM TEST STANDARD

None

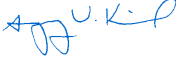
REQUIREMENTS

Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

RESULTS

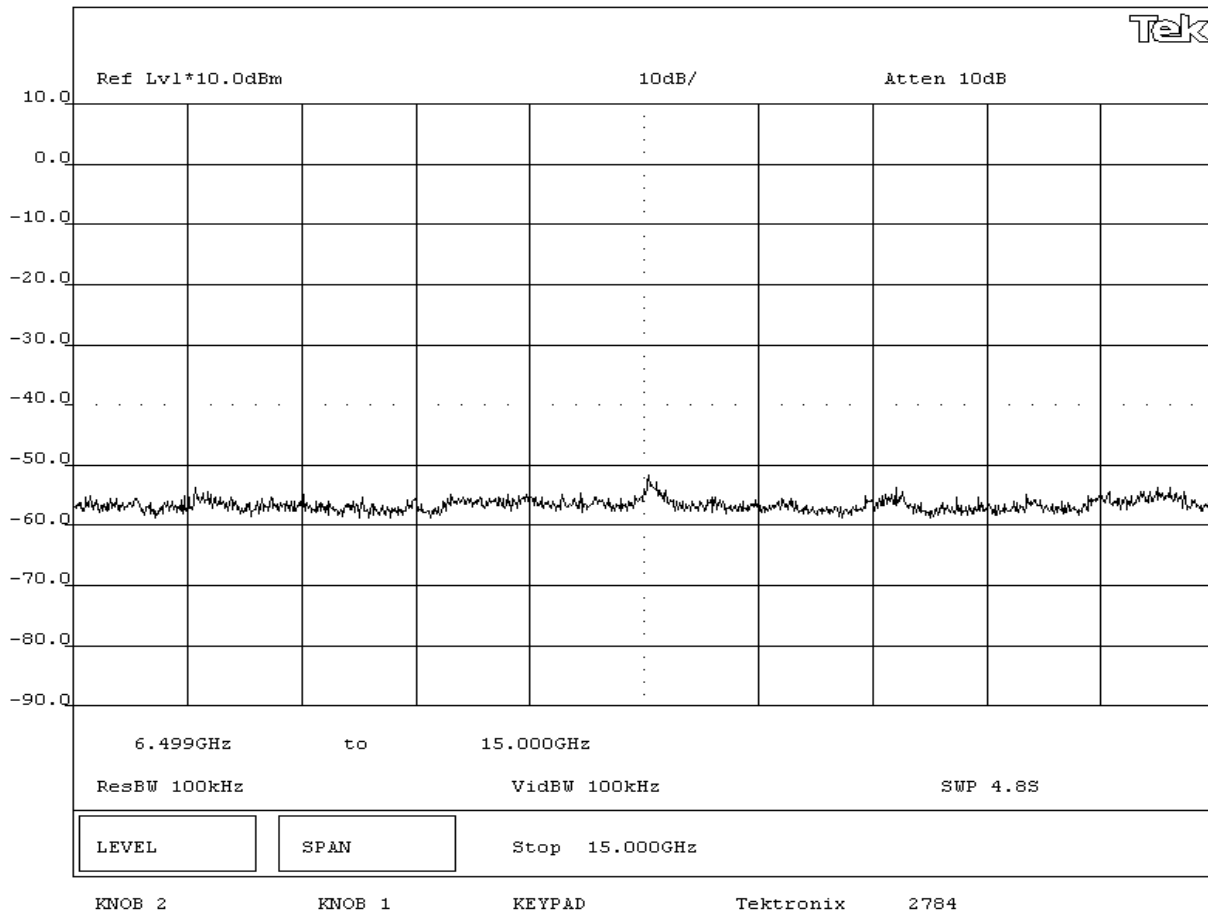
Pass


SIGNATURE

Tested By: 

DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz - 54 Mbit



| | | | | | |
|--|--|-----------------------------|--------------------------------|----------------------|--|
| NORTHWEST EMC | | EMISSIONS DATA SHEET | | Rev BETA 01/30/01 | |
| EUT: 802MIG2 | | | Work Order: INMC0086 | | |
| Serial Number: C1 | | | Date: 06/25/03 | | |
| Customer: Intermec Corporation | | | Temperature: 77 degrees F | | |
| Attendees: C.D. White | | Tested by: Greg Kiemel | Humidity: 38% RH | | |
| Customer Ref. No.: N/A | | Power: DC from Host Unit | Job Site: EV06 | | |
| TEST SPECIFICATIONS | | | | | |
| Specification: 47 CFR 15.247(c) | | Year: Most Current | Method: FCC 97-114, ANSI C63.4 | Year: 1992 | |
| SAMPLE CALCULATIONS | | | | | |
| | | | | | |
| COMMENTS | | | | | |
| | | | | | |
| EUT OPERATING MODES | | | | | |
| Modulated by PRBS at indicated data rate, 802.11(g) modulation scheme | | | | | |
| DEVIATIONS FROM TEST STANDARD | | | | | |
| None | | | | | |
| REQUIREMENTS | | | | | |
| Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental | | | | | |
| RESULTS | | | | | |
| Pass | | | | | |
| SIGNATURE | | | | | |
| <div style="text-align: center;">  Tested By: _____ </div> | | | | | |
| DESCRIPTION OF TEST | | | | | |
| Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz - 54 Mbit | | | | | |

