

**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:**

Low
Mid
High

**Operating Modes Investigated:**

Return Link (No Hop, FHSS)
Forward Link (DSSS)

**Data Rates Investigated:**

Maximum
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**Output Power Setting(s) Investigated:**

Maximum
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**Power Input Settings Investigated:**

120 VAC, 60 Hz.
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**Software\Firmware Applied During Test**

<b>Exercise software</b>	MSAssist	<b>Version</b>	V4.3.1
<b>Description</b>			
The system was tested using special software developed to test all functions of the device during the test.			

**EUT and Peripherals**

<b>Description</b>	<b>Manufacturer</b>	<b>Model/Part Number</b>	<b>Serial Number</b>
2.4 GHz RFID Reader (EUT)	IDmicro	IDM4120R	32695
EUT Power Supply	Power General	CPA3-40-5290	none
Notebook PC	Hewlett Packard	HP Pavilion	TW02602673
Notebook Power Supply	EDAC	EA1060B	none

Cables					
Cable Type	Shield	Length (m)	Ferrite	Connection 1	Connection 2
AC Power	PA	2.0	PA	EUT Power Supply	AC Mains
DC Power	PA	2.0	PA	EUT Power Supply	2.4 GHz RFID Reader (EUT)
AC Power	PA	2.0	PA	Notebook Power Supply	AC Mains
DC Power	PA	2.0	PA	Notebook Power Supply	Notebook PC
Serial	Yes	1.6	No	Notebook PC	2.4 GHz RFID Reader (EUT)
Serial	Yes	1.6	No	2.4 GHz RFID Reader (EUT)	Unterminated
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(d), 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 in a no hop mode, and then the test was repeated with the EUT transmitting in a DSSS mode. For each transmit frequency, the spectrum was scanned throughout the specified frequency. The measurement was repeated for each of the six transmit antenna ports.

Completed by:

NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader	Work Order:	IDMI0005
Serial Number:	32695	Date:	11/03/04
Customer:	Idmicro, INC.	Temperature:	68
Attendees:	Tom Kearns	Tested by:	Greg Kiemel
Customer Ref. No.:	N/A	Power:	120VAC/60Hz
		Humidity:	40%
		Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX1 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

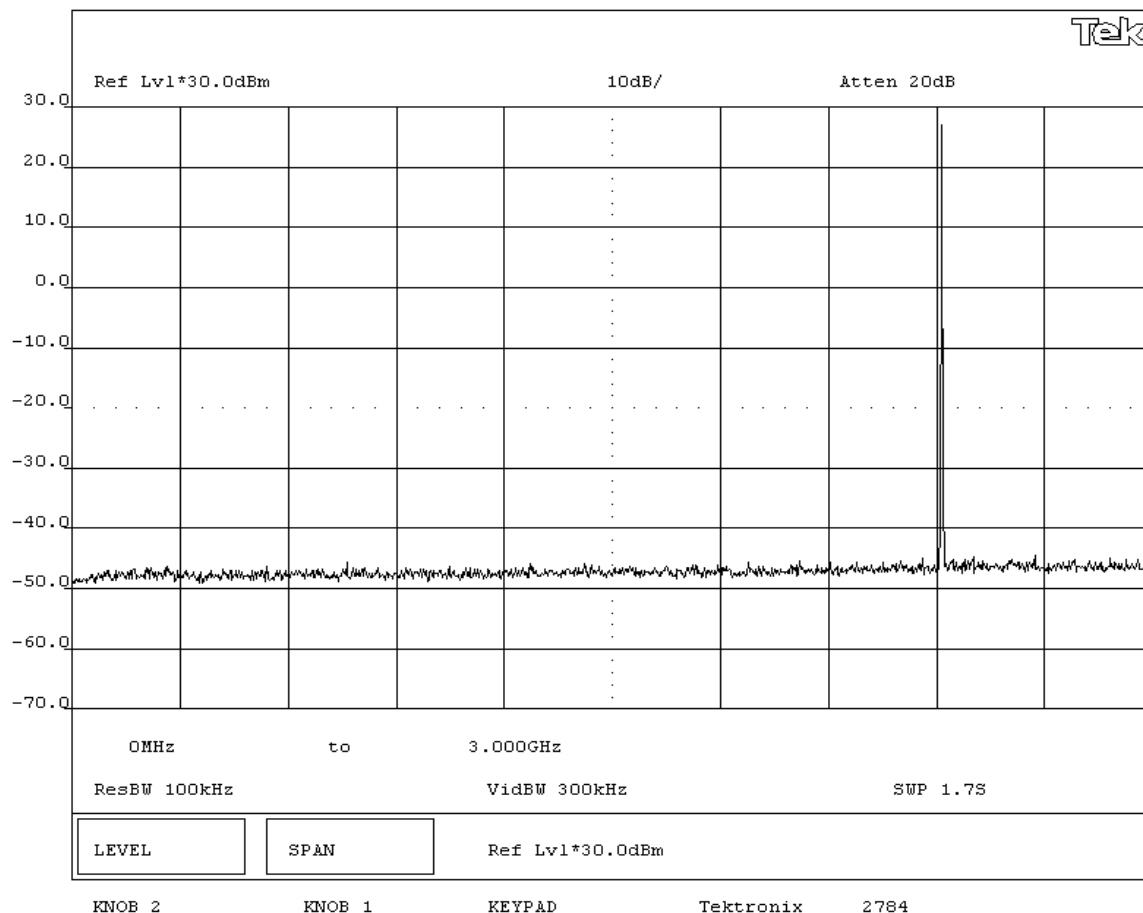
Pass

## SIGNATURE

Tested By: 

## DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz



# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

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## COMMENTS

Measurement made at TX1 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## DEVIATIONS FROM TEST STANDARD

None
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## REQUIREMENTS

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

## RESULTS

Pass

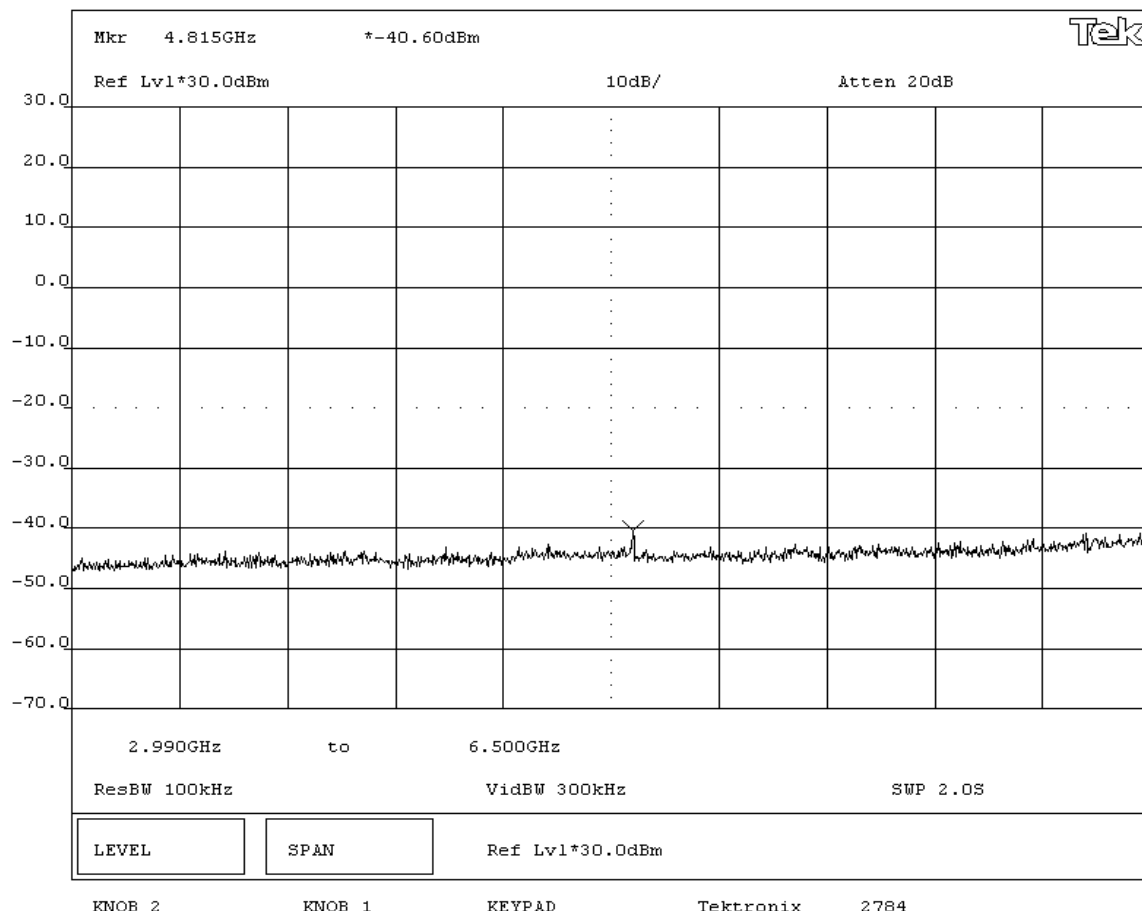
**SIGNATURE**

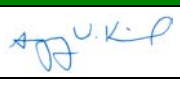
Tested By: \_\_\_\_\_

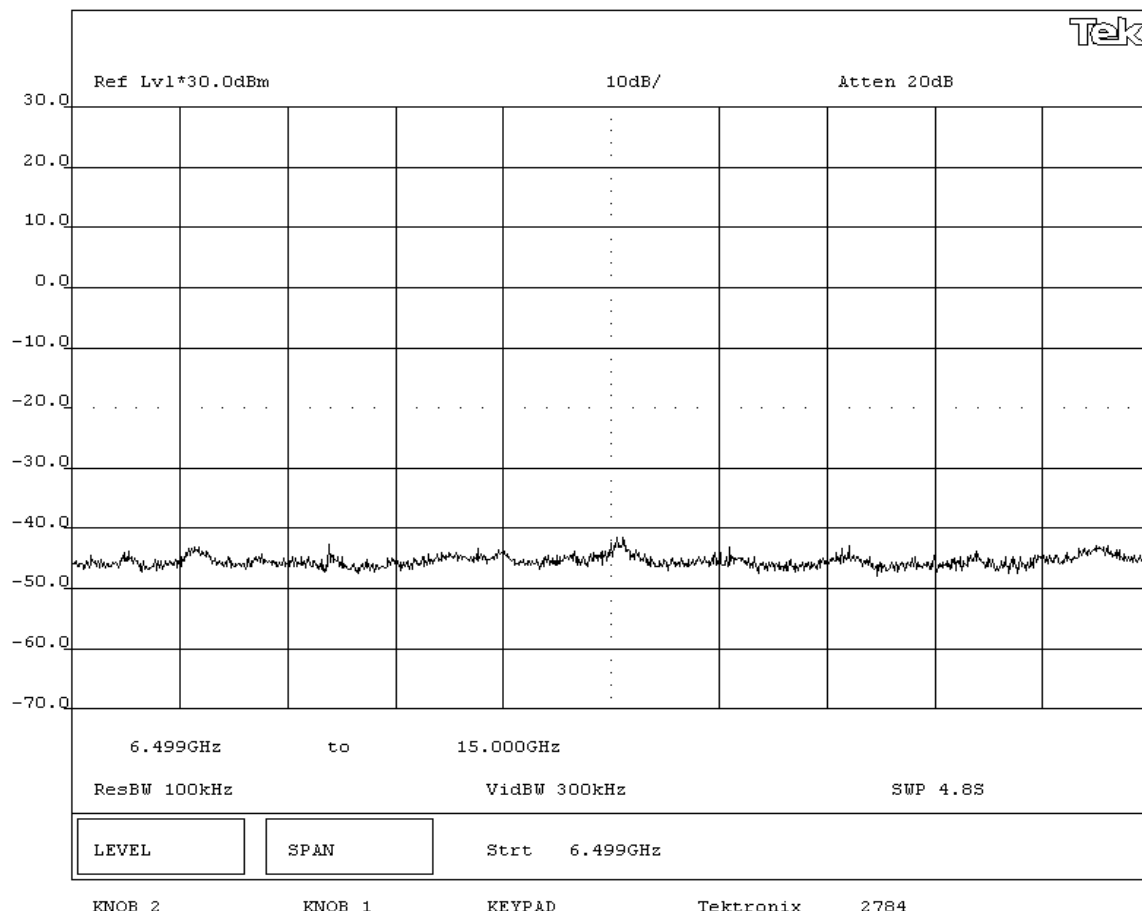
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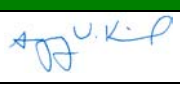
### DESCRIPTION OF TEST

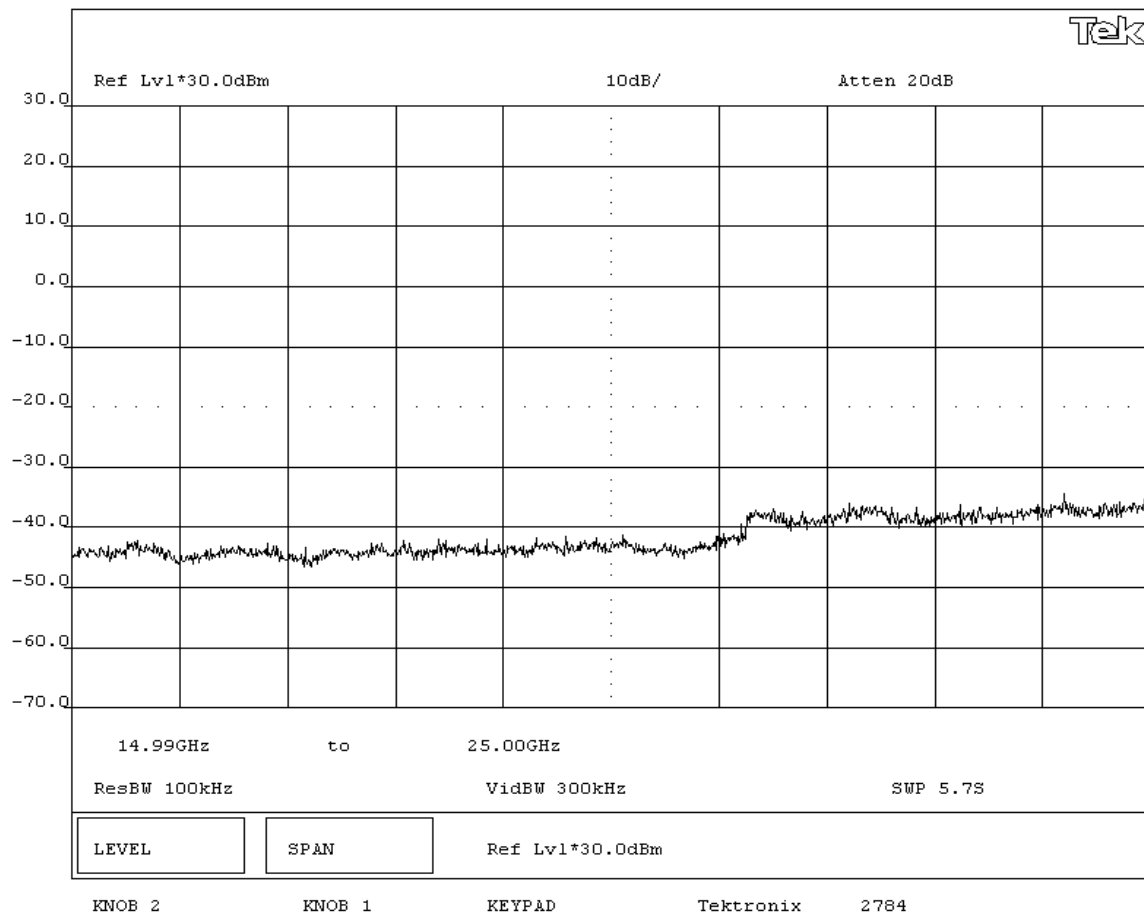
## Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz




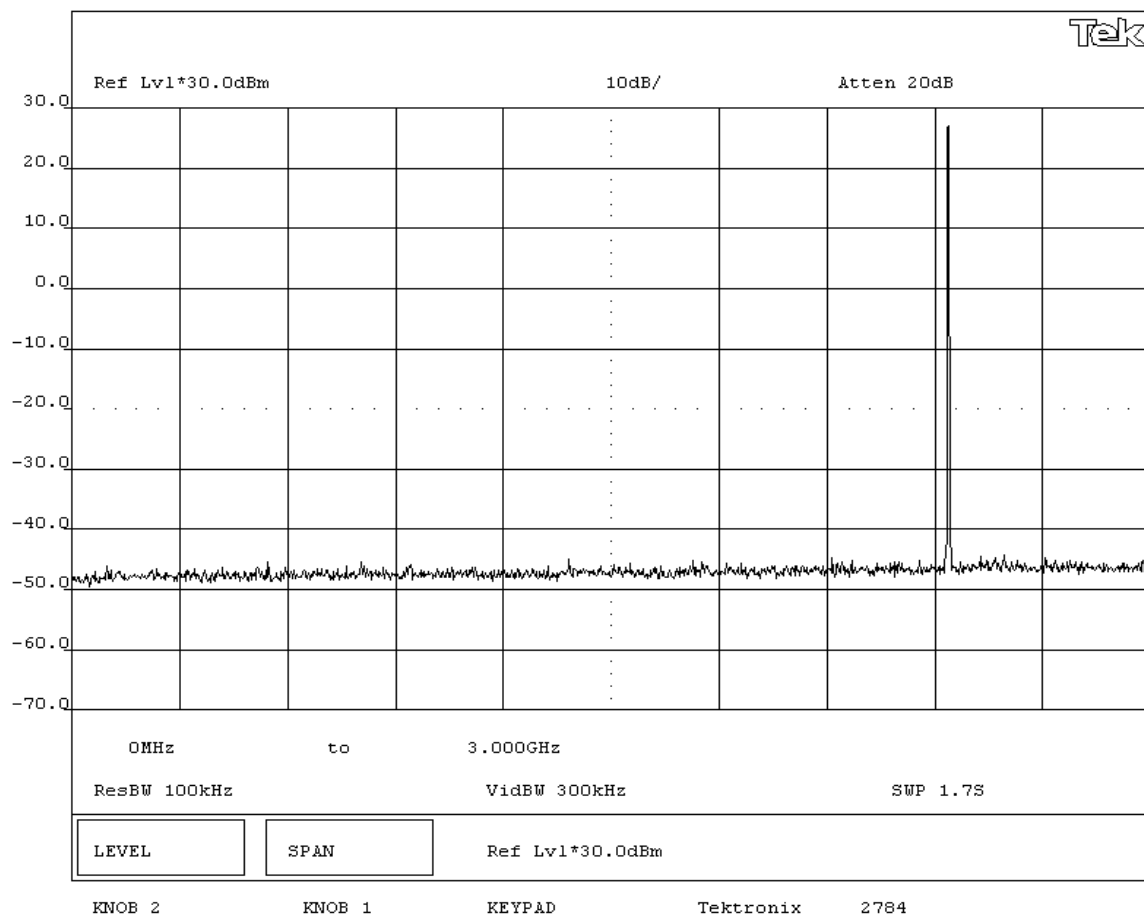
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX1 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz</b>					

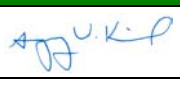


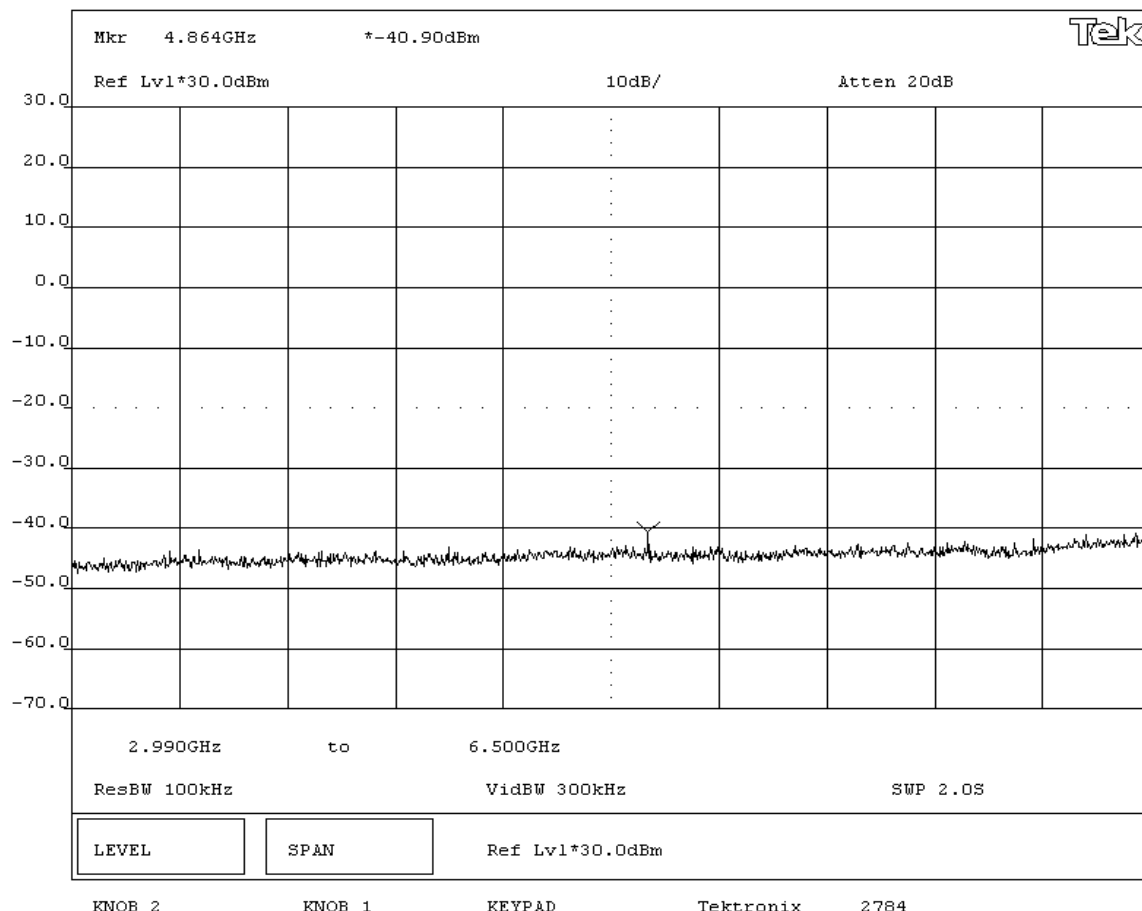
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX1 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz</b>					





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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX1 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

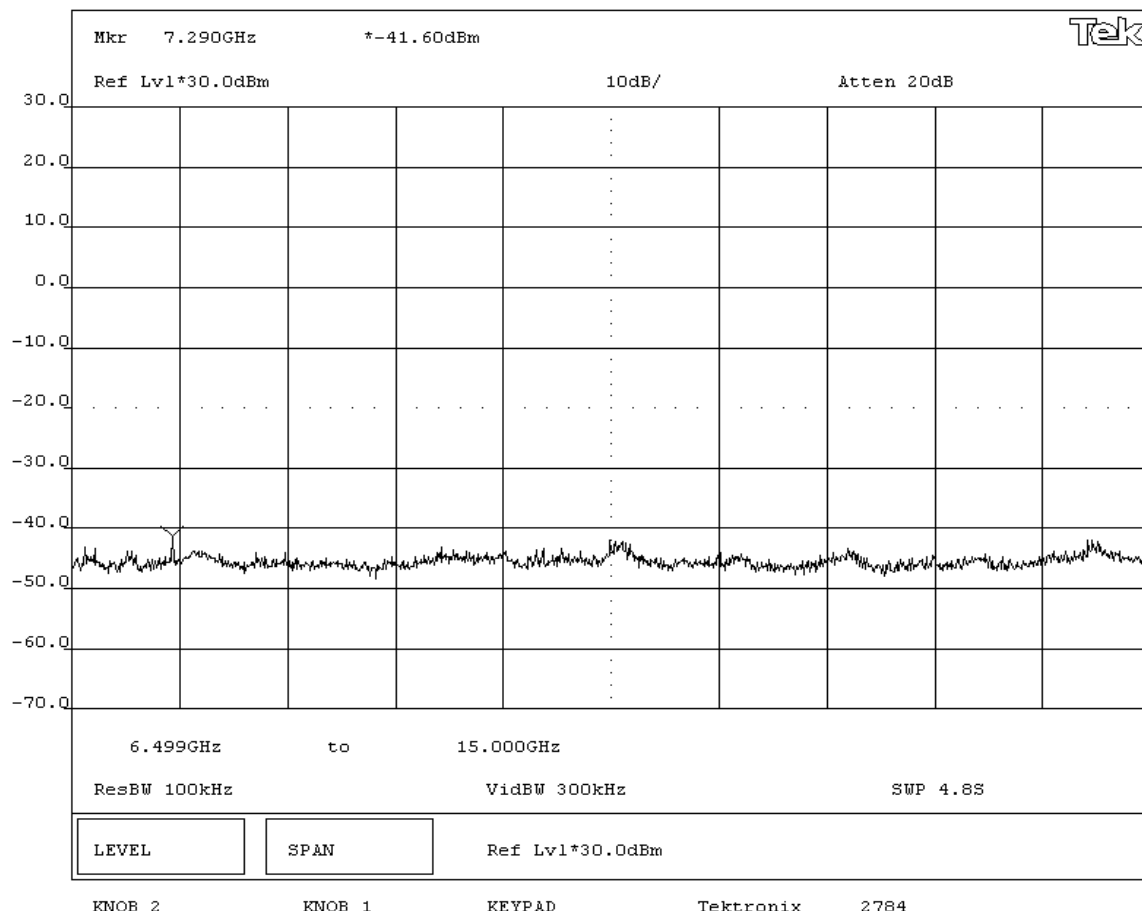
None

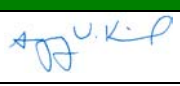
**REQUIREMENTS**

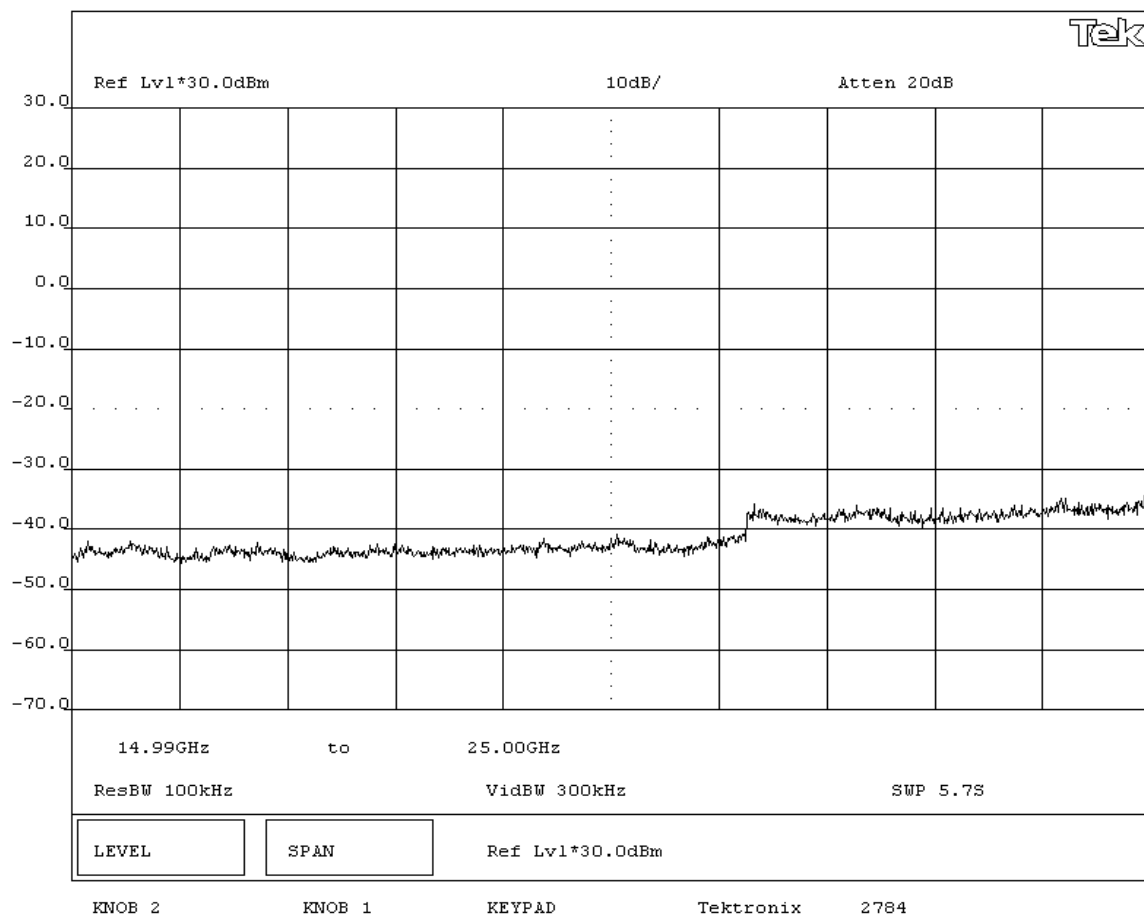
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

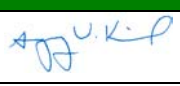
**RESULTS**

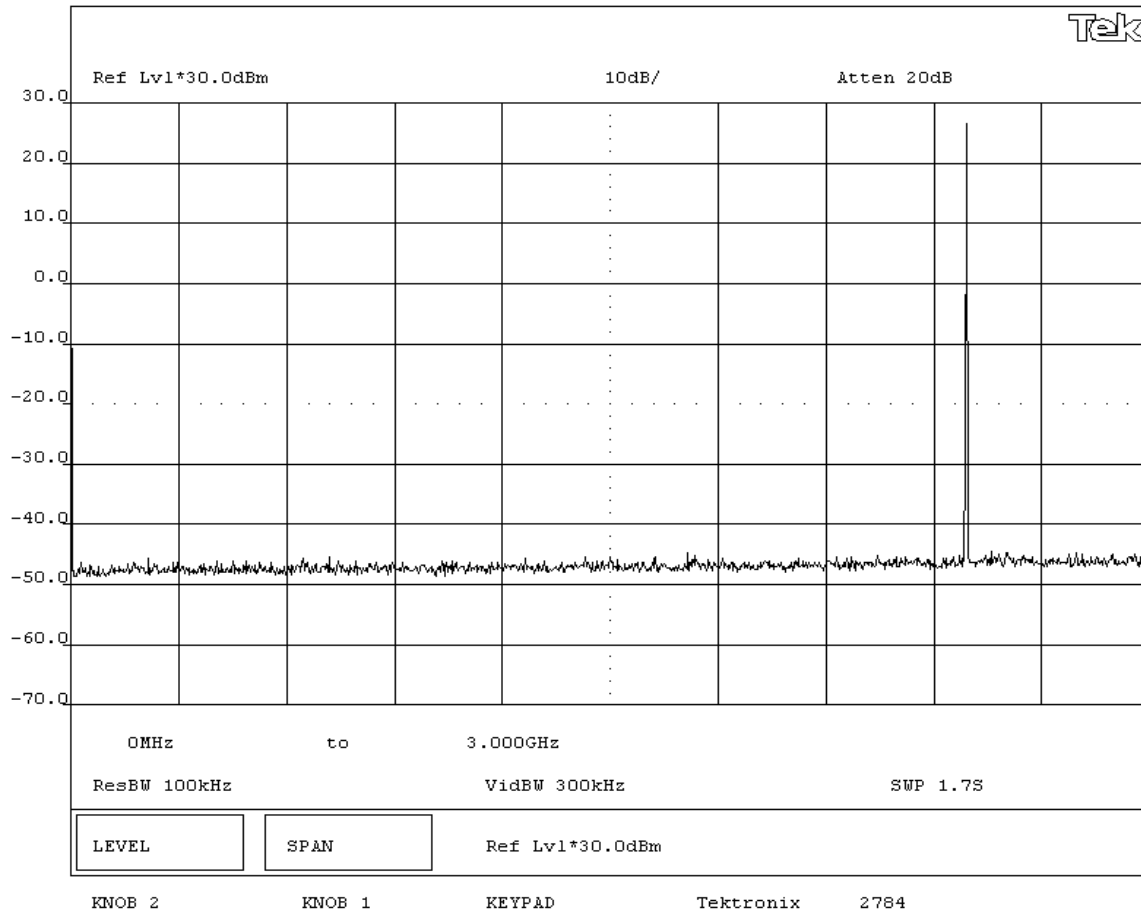
Pass

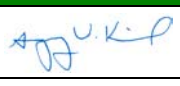
**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz**

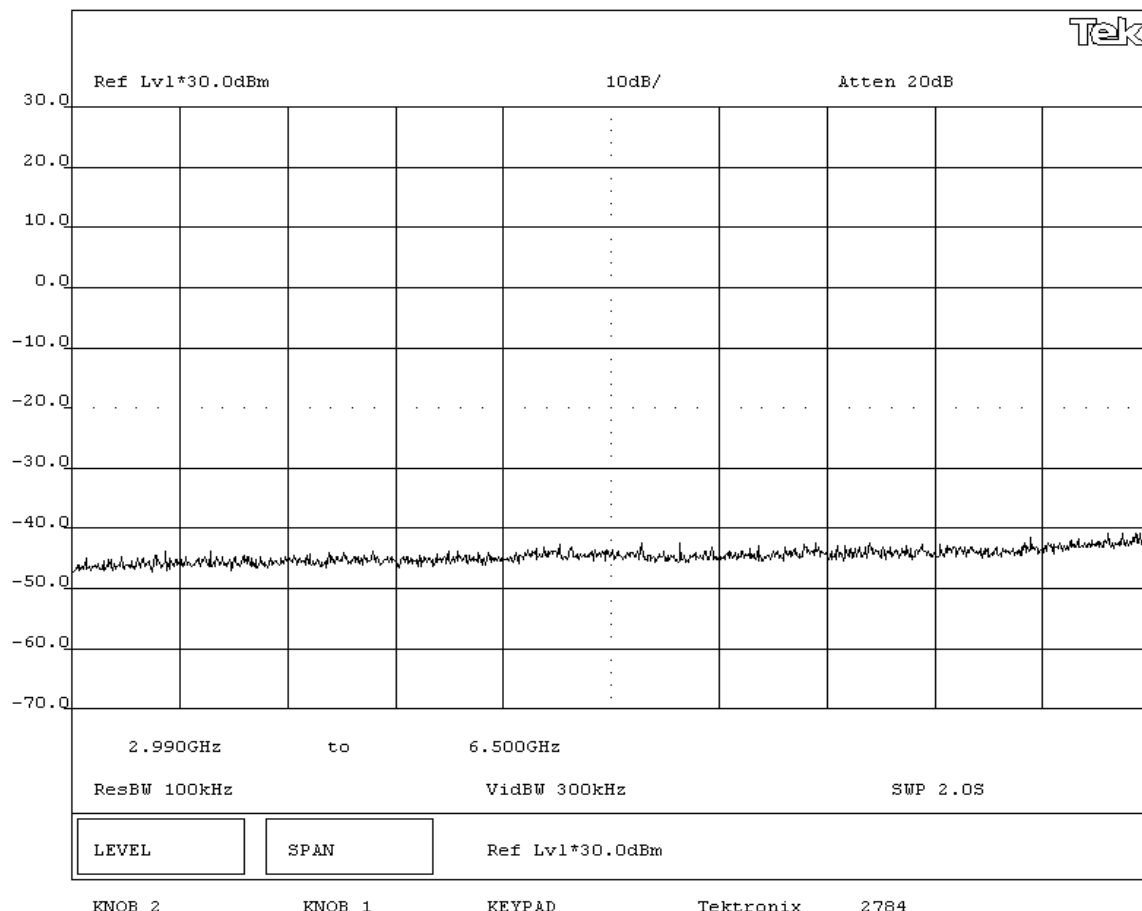
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					
<b>Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz</b>					



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX1 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

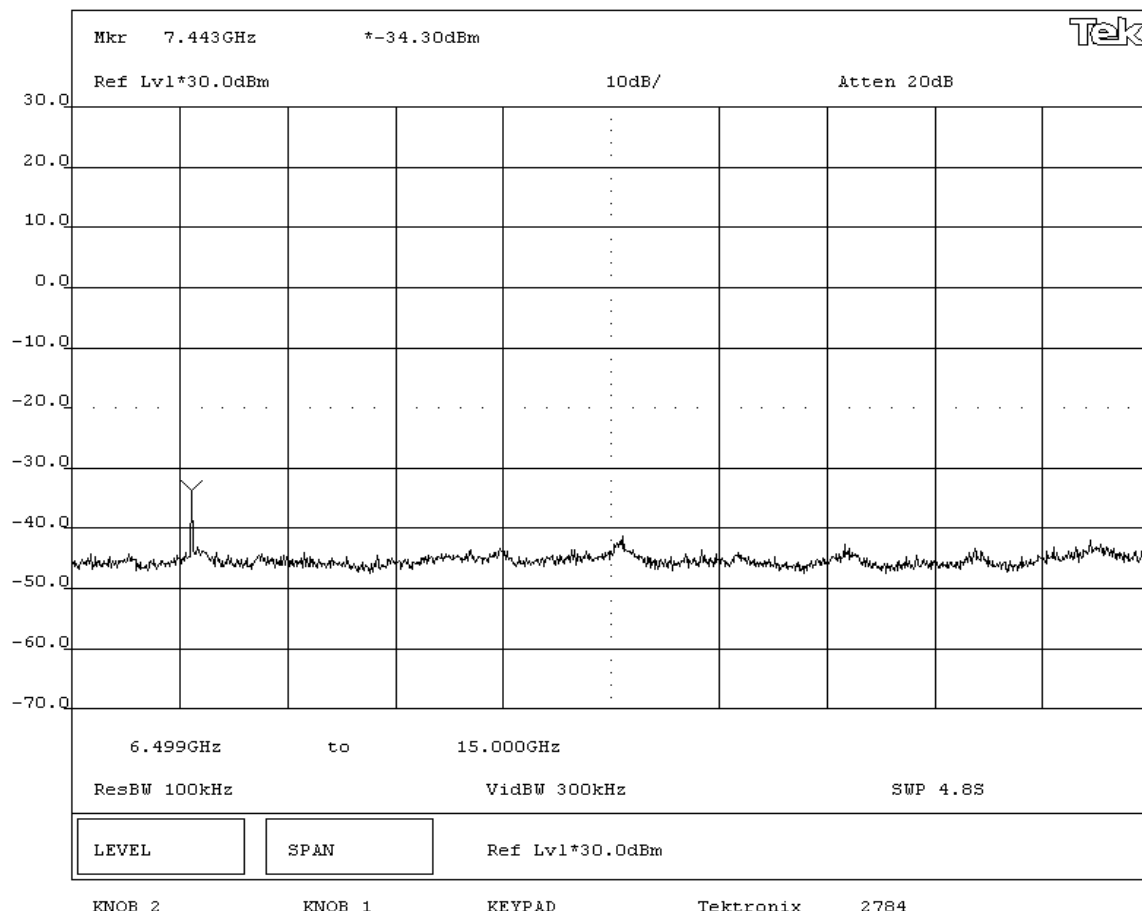
Pass

## 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: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX1 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

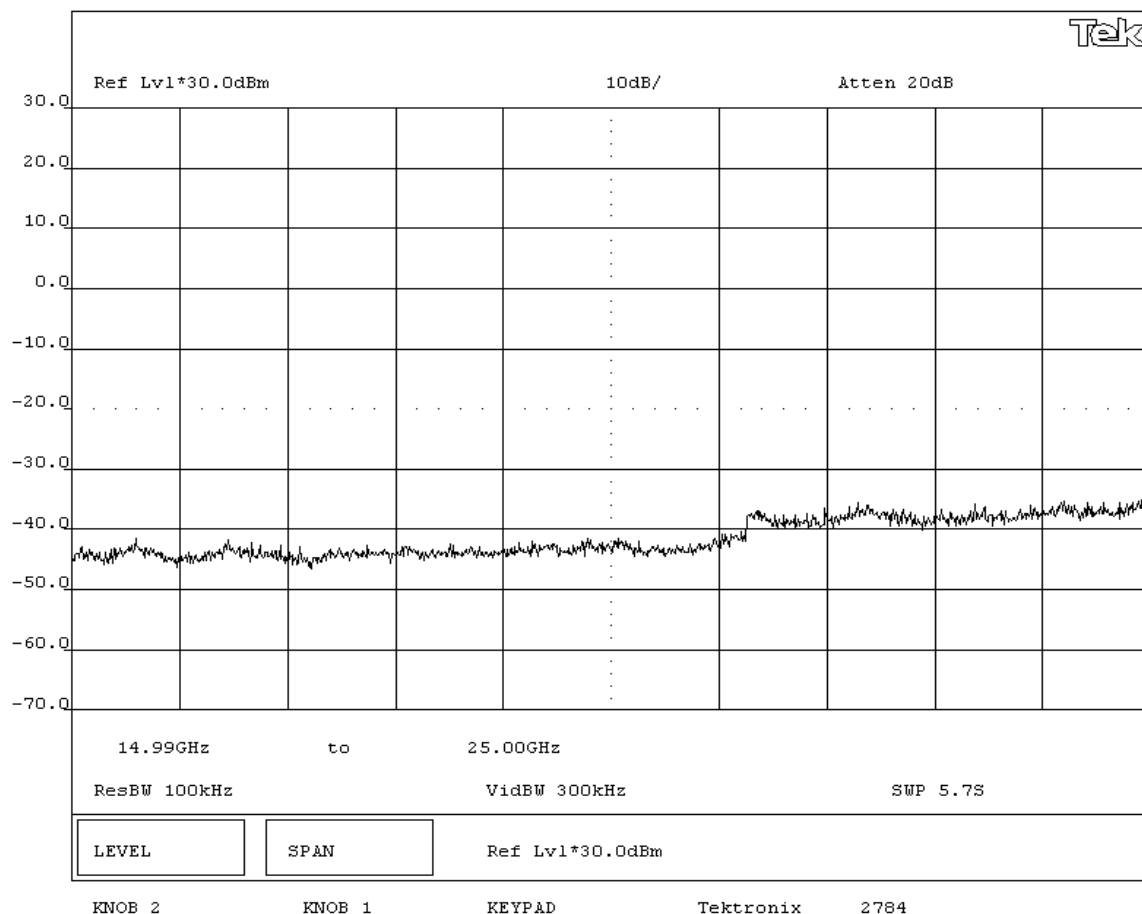
None

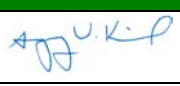
**REQUIREMENTS**

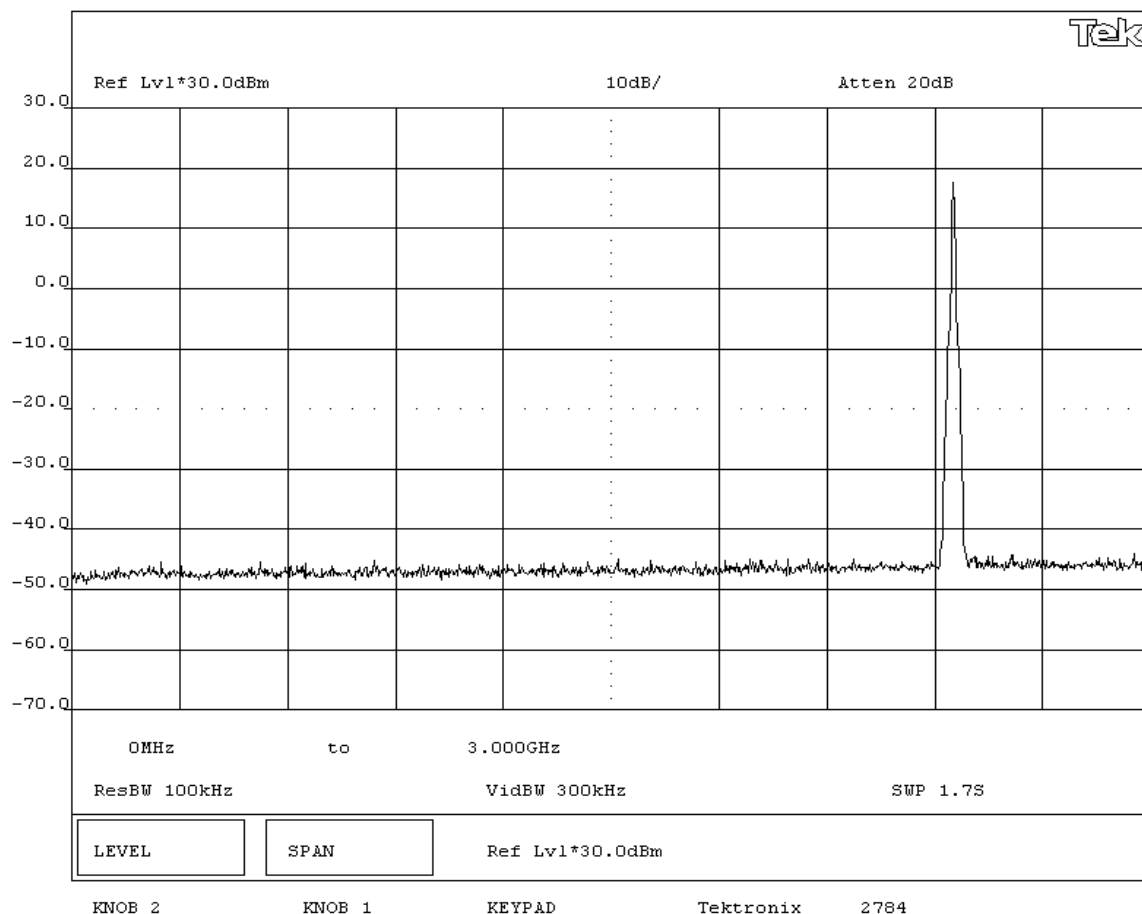
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

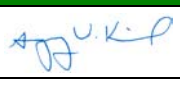
**RESULTS**

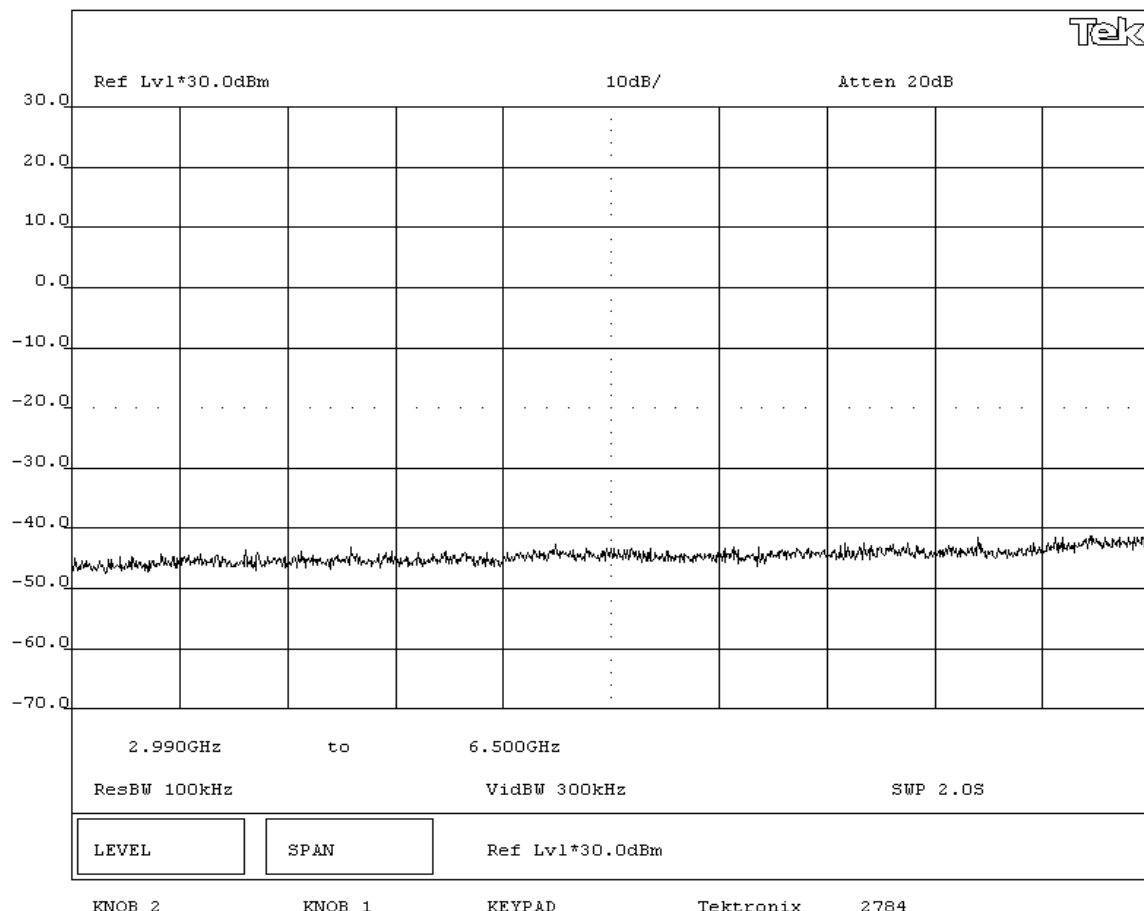
Pass

**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz**

NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX1 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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 3GHz-6.5GHz					





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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX1 Antenna Port

**EUT OPERATING MODES**

Forward link (DSSS mode)

**DEVIATIONS FROM TEST STANDARD**

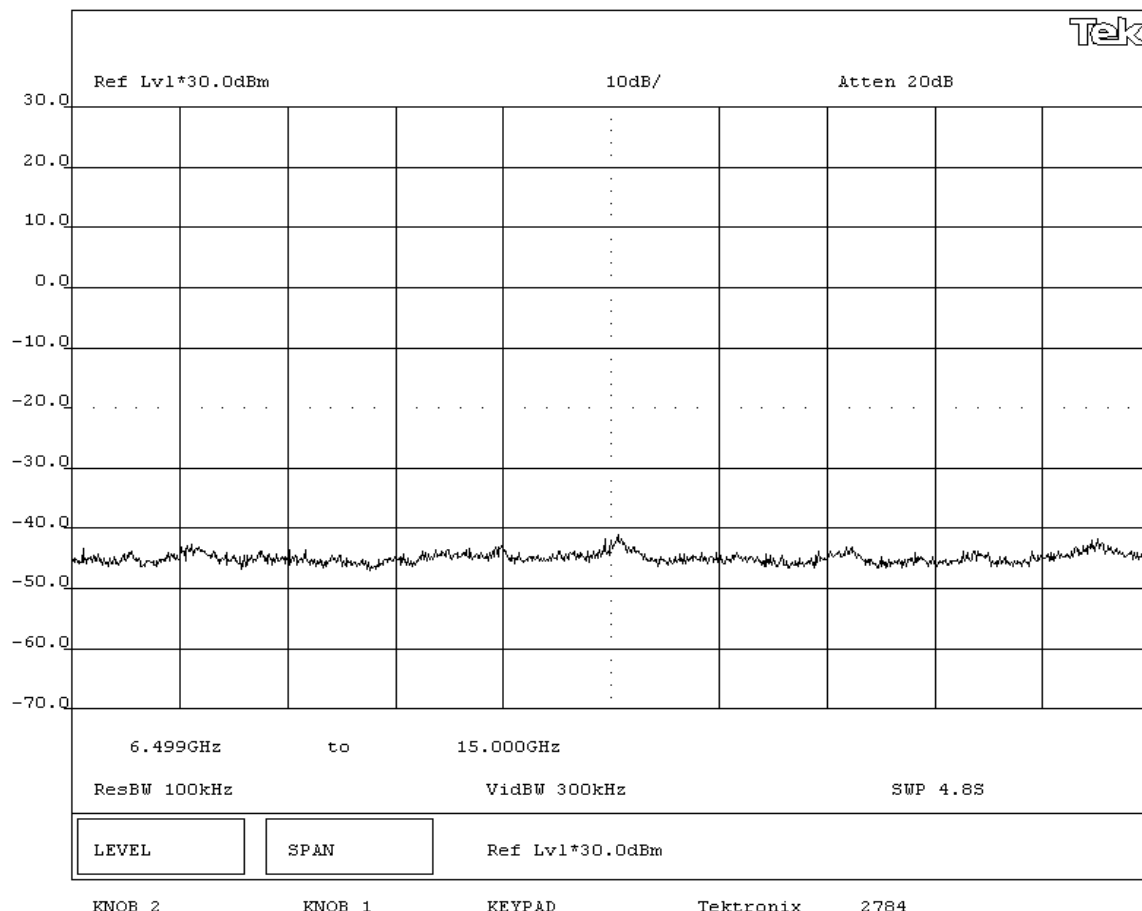
None

**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: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX1 Antenna Port

**EUT OPERATING MODES**

Forward link (DSSS mode)

**DEVIATIONS FROM TEST STANDARD**

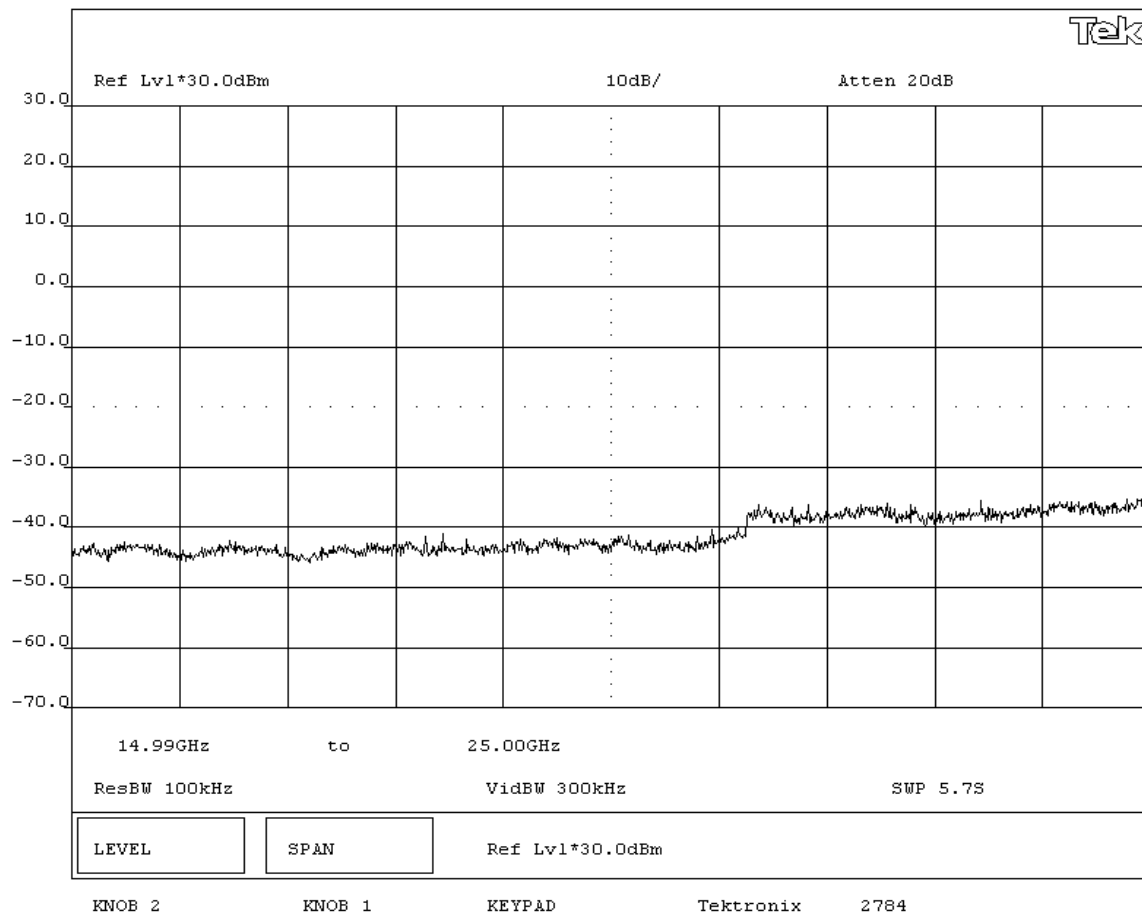
None

**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 15GHz-25GHz**

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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005
Serial Number: 32695			Date: 11/03/04
Customer: Idmicro, INC.			Temperature: 68
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX2 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

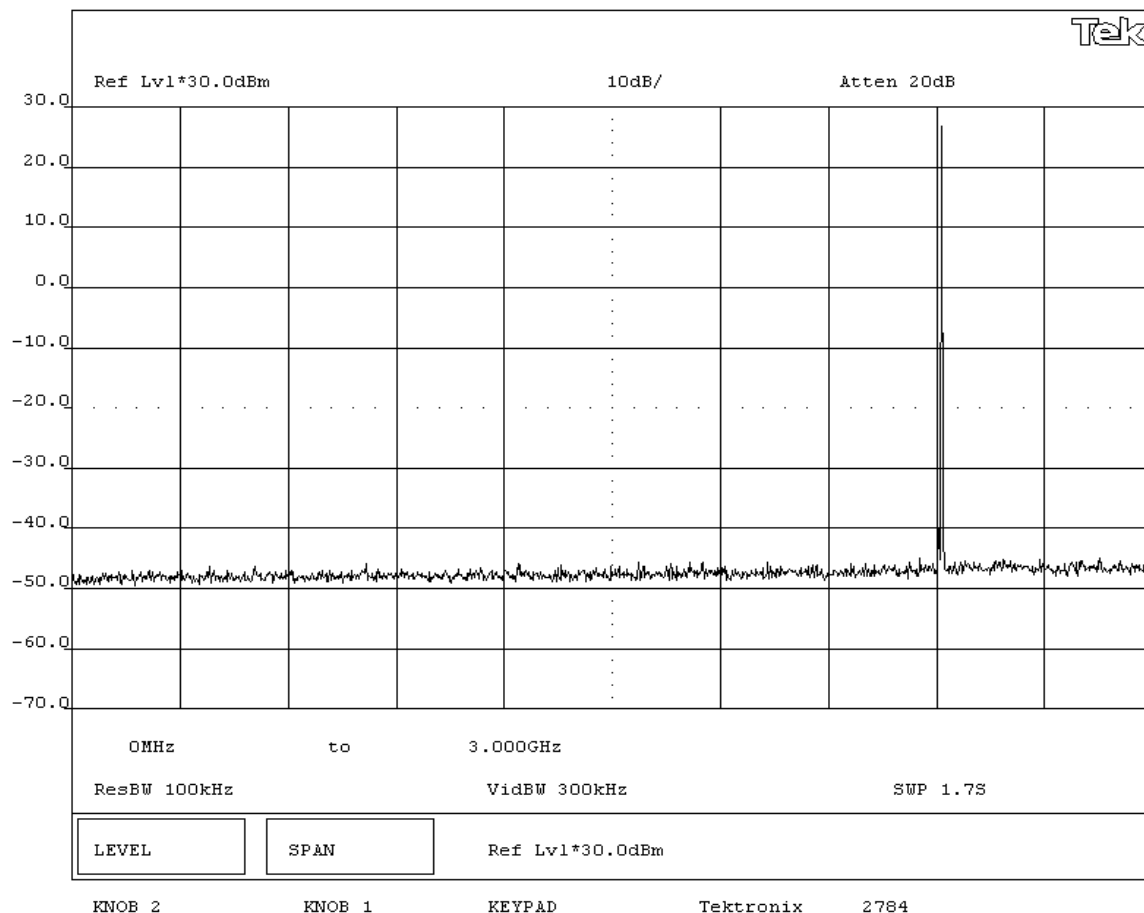
None

**REQUIREMENTS**


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

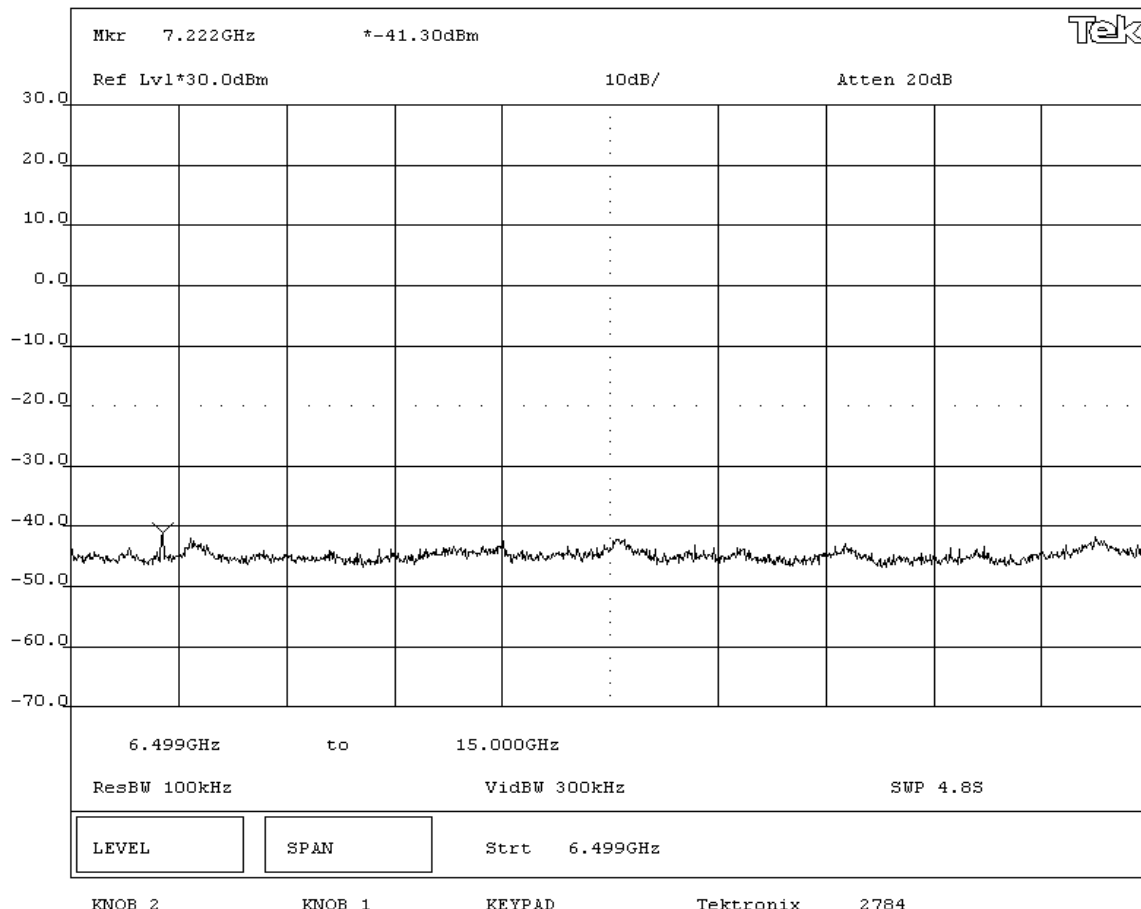
**RESULTS**

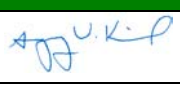
Pass

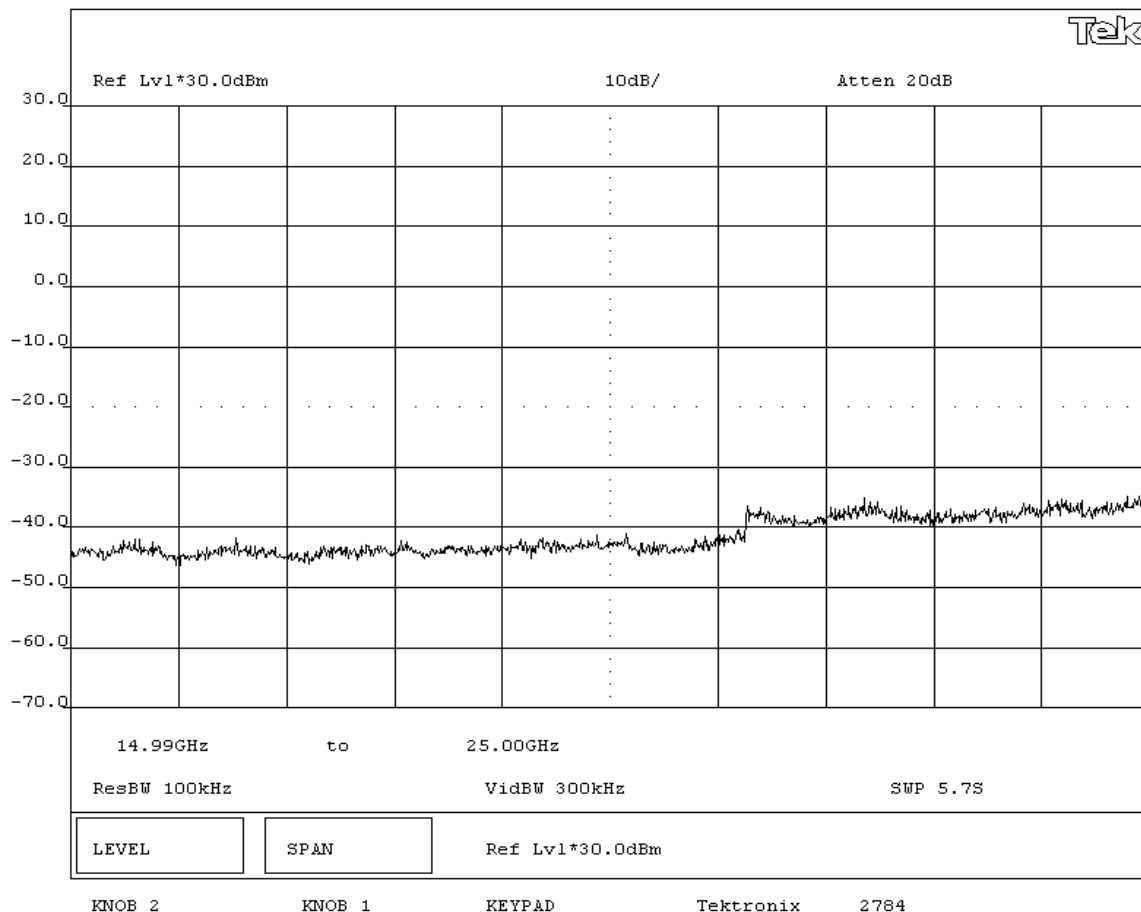
**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz**



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX2 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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 6.5GHz-15GHz					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX2 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">   Tested By: _____ </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz</b>					



# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

\_\_\_\_\_

## COMMENTS

Measurement made at TX2 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

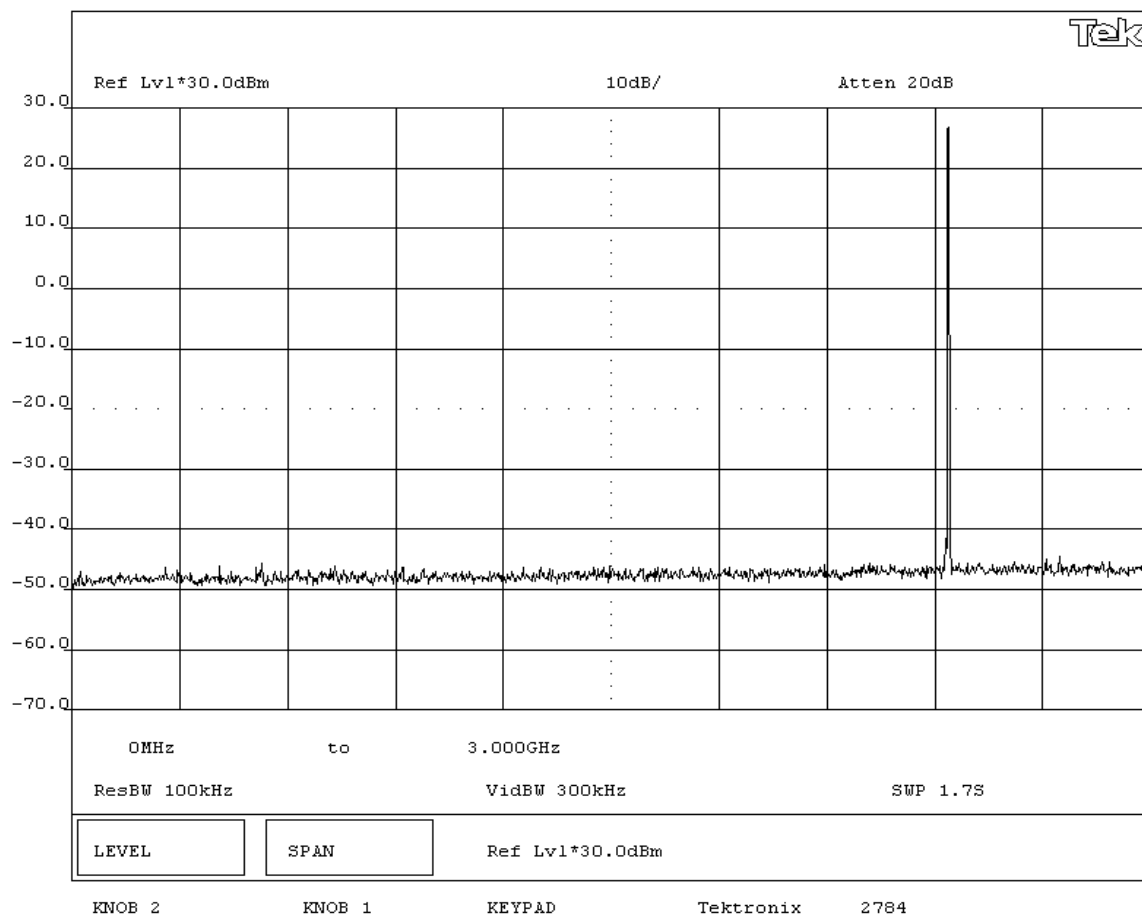
Pass

## SIGNATURE

Tested By:

### DESCRIPTION OF TEST

## Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz



# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

EXAMPLE CALCULATIONS

## COMMENTS

COMMENTS	
Measurement made at TX2 Antenna Port	

## EUT OPERATING MODES

Return link (no hop mode)

## 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

RESULTS
Pass

**SIGNATURE**

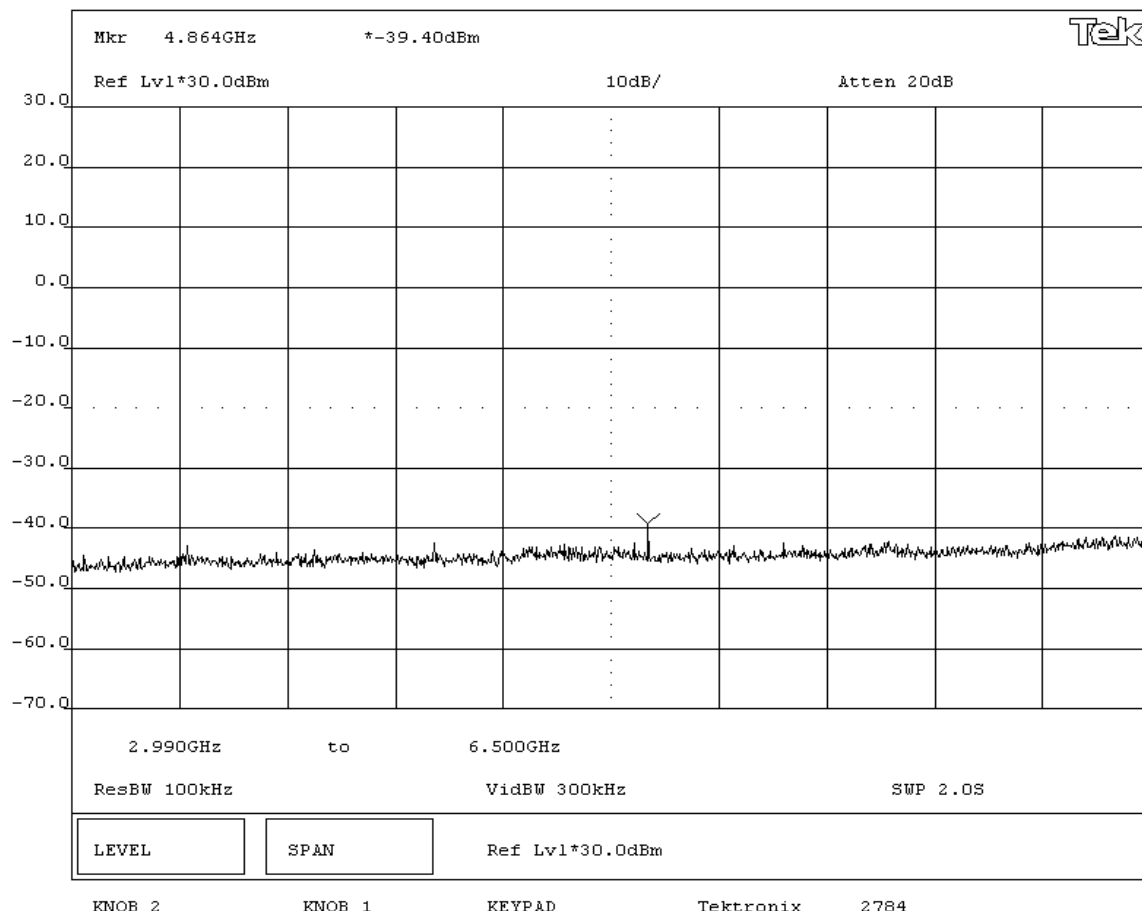
SIGNATURE

U.K.P

Tested By: \_\_\_\_\_

### DESCRIPTION OF TEST

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





# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

## SAMPLE CALCULATIONS

## COMMENTS

COMMENTS	
Measurement made at TX2 Antenna Port	

## EUT OPERATING MODES

Return link (no hop mode)

## 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

## RESULTS

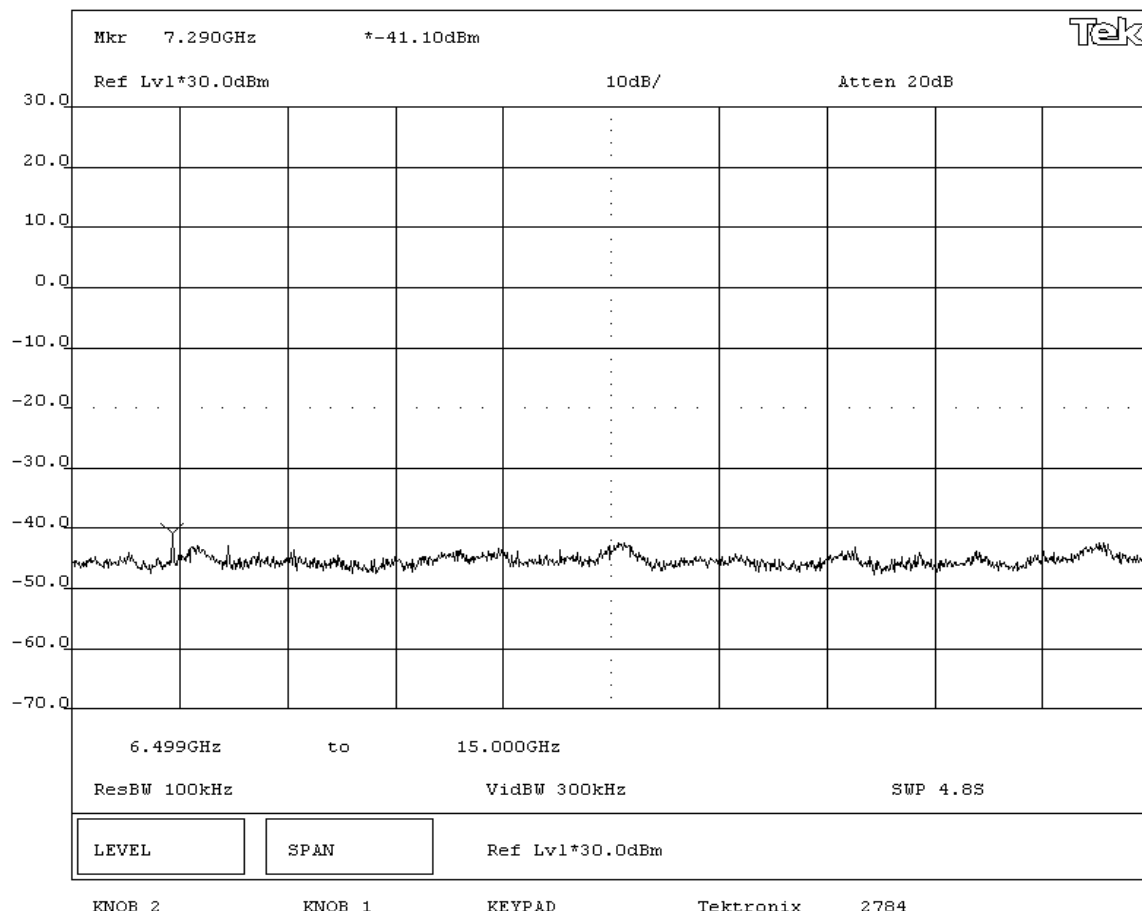
## SIGNATURE

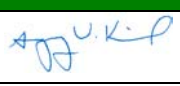
SIGNATURE

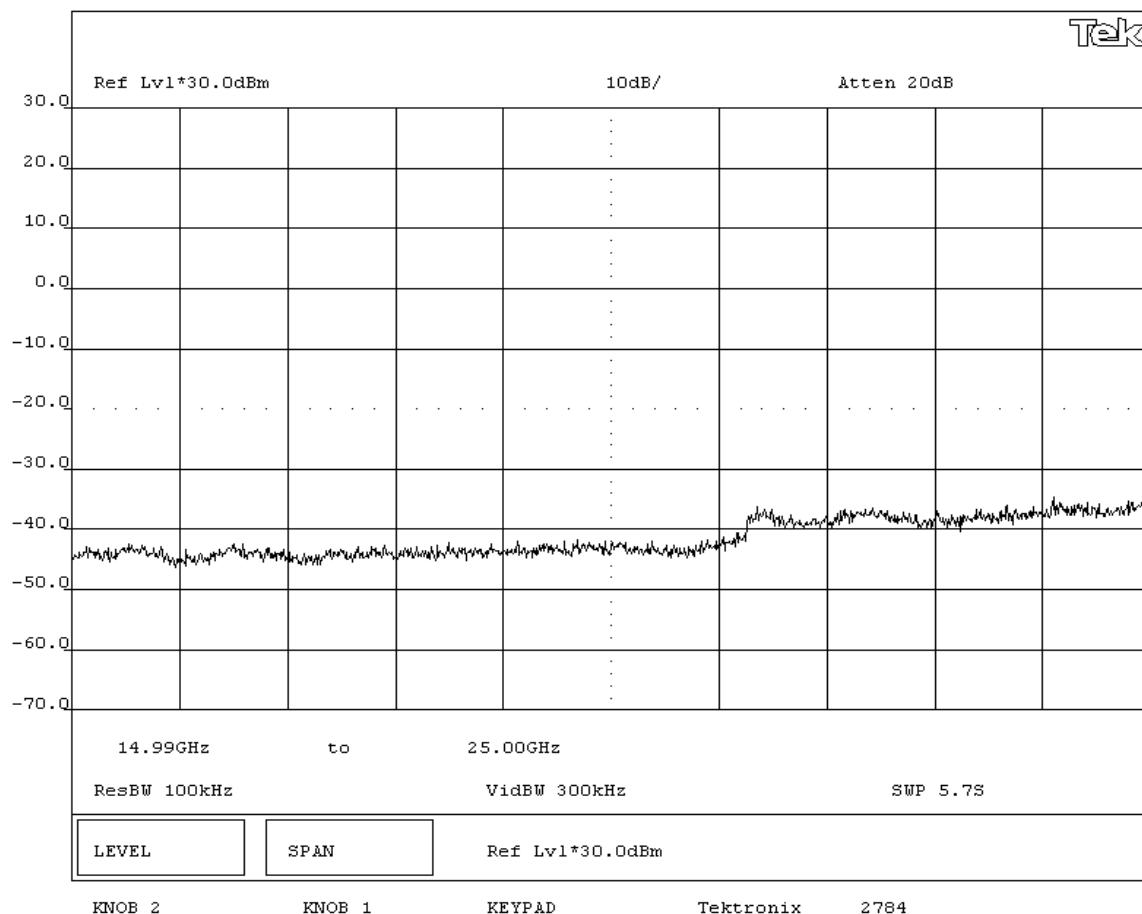
Tested By: 

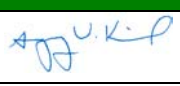
### DESCRIPTION OF TEST

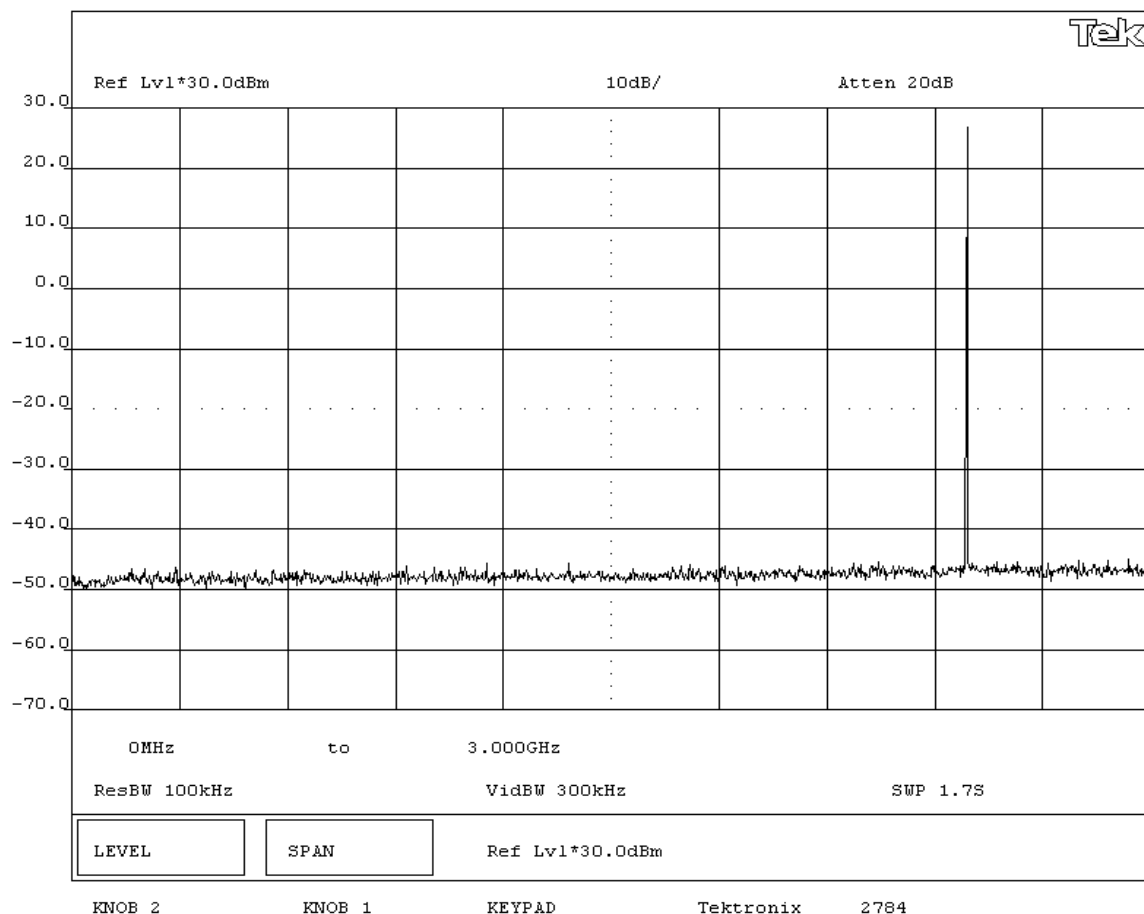
### Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX2 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz</b>					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX2 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz</b>					



# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

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## COMMENTS

COMMENTS	
Measurement made at TX2 Antenna Port	

## EUT OPERATING MODES

Return link (no hop mode)

## 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

RESULTS
Pass

## SIGNATURE

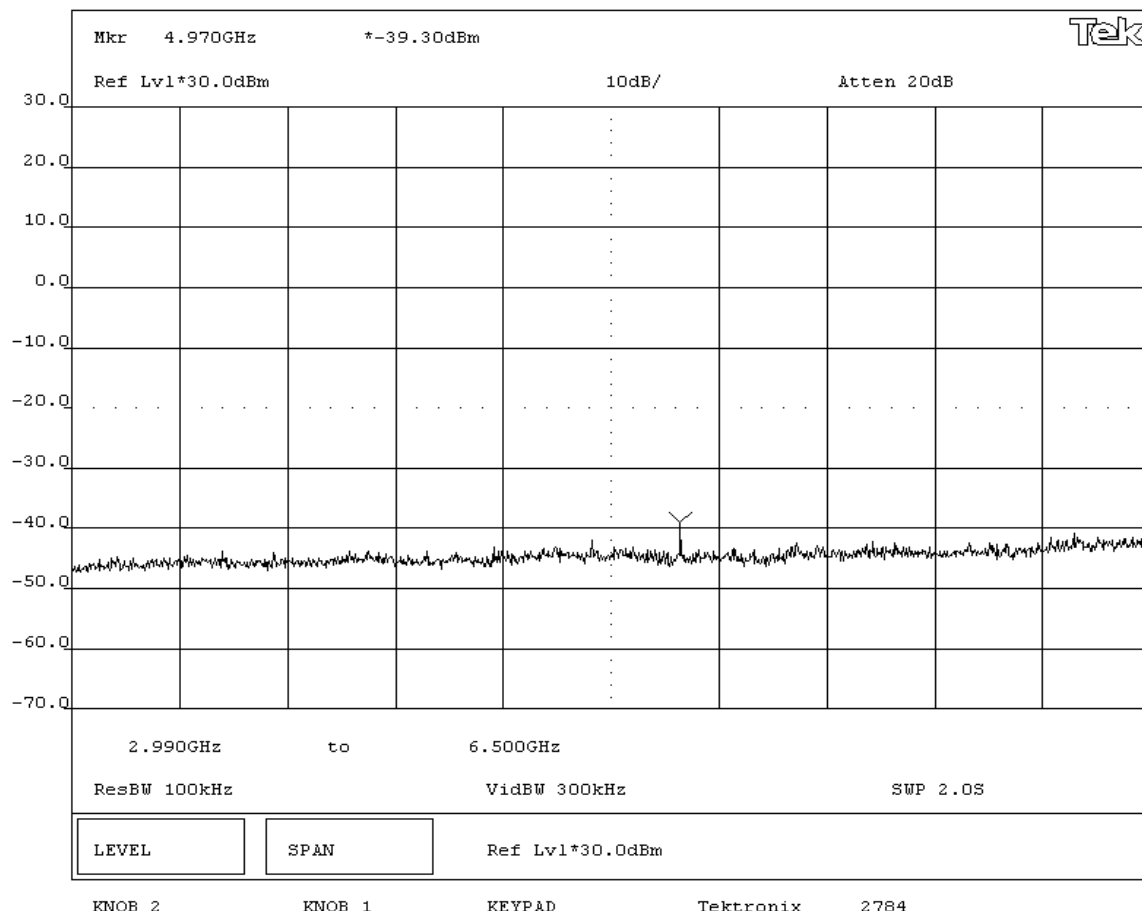
SIGNATURE

U.K.P.

Tested By: \_\_\_\_\_

### DESCRIPTION OF TEST

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



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX2 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

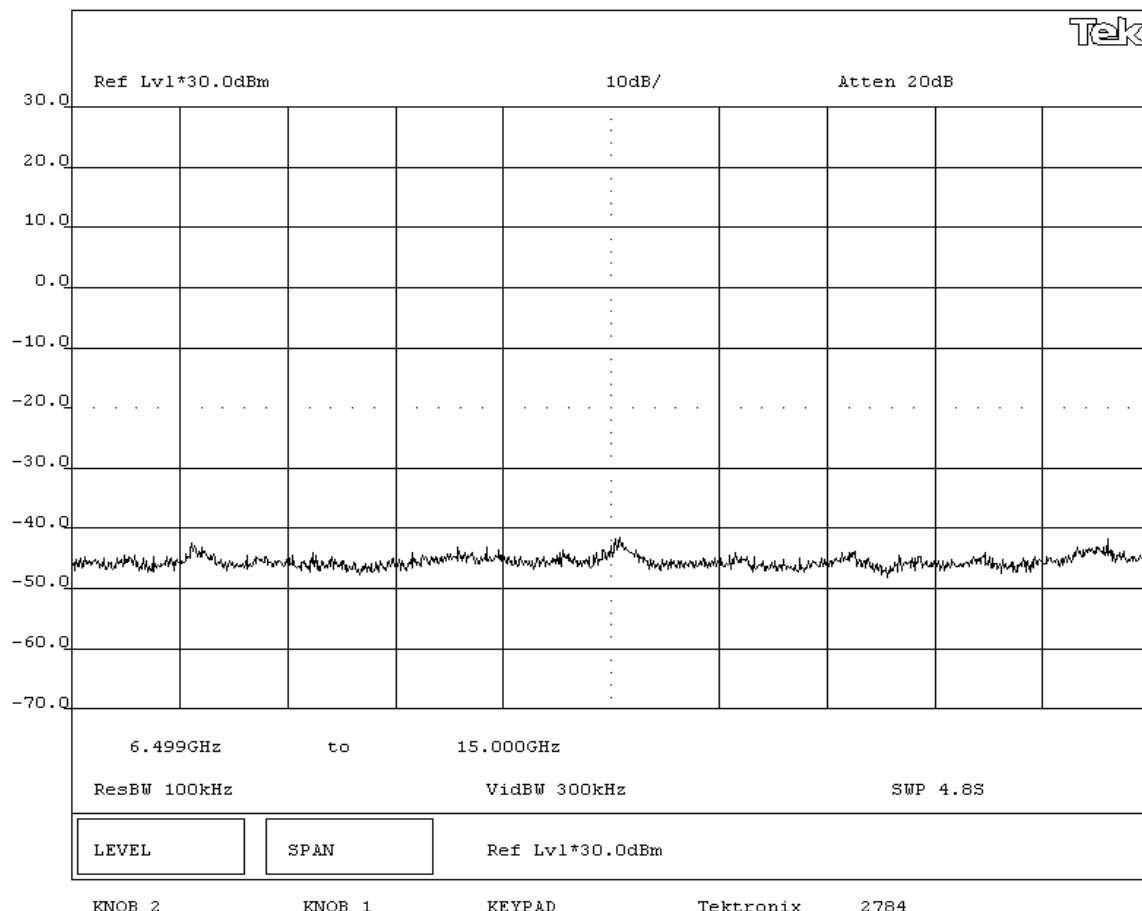
Pass

## 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: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX2 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

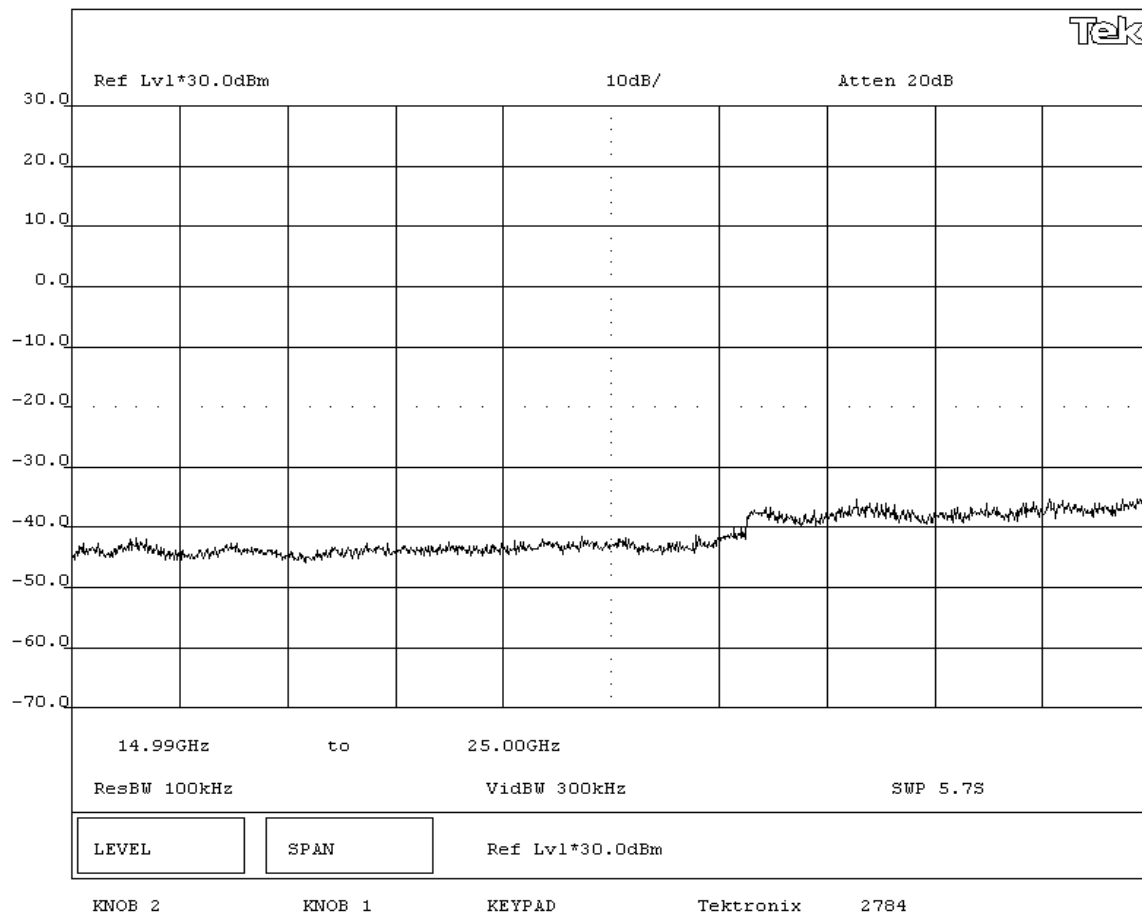
None

**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 15GHz-25GHz**

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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX2 Antenna Port

**EUT OPERATING MODES**

Forward link (DSSS mode)

**DEVIATIONS FROM TEST STANDARD**

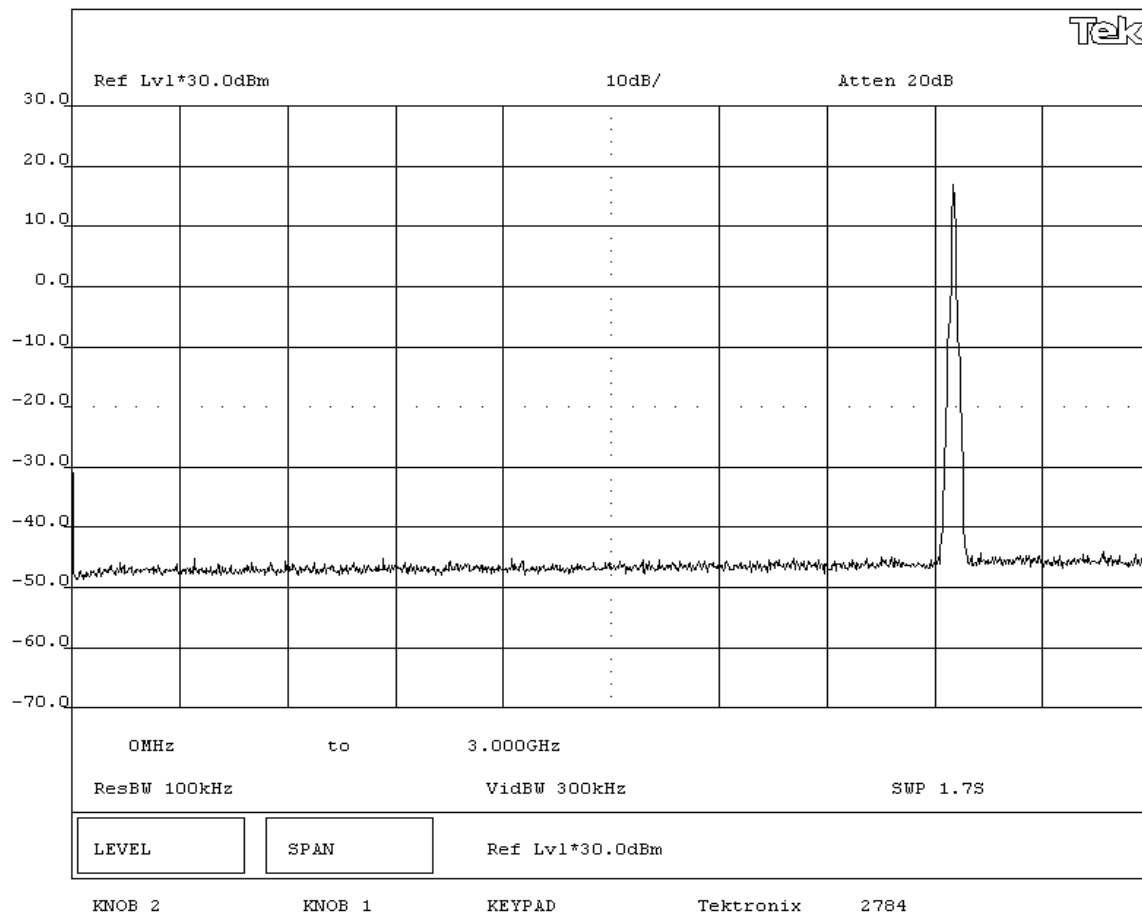
None

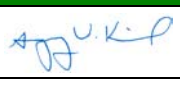
**REQUIREMENTS**

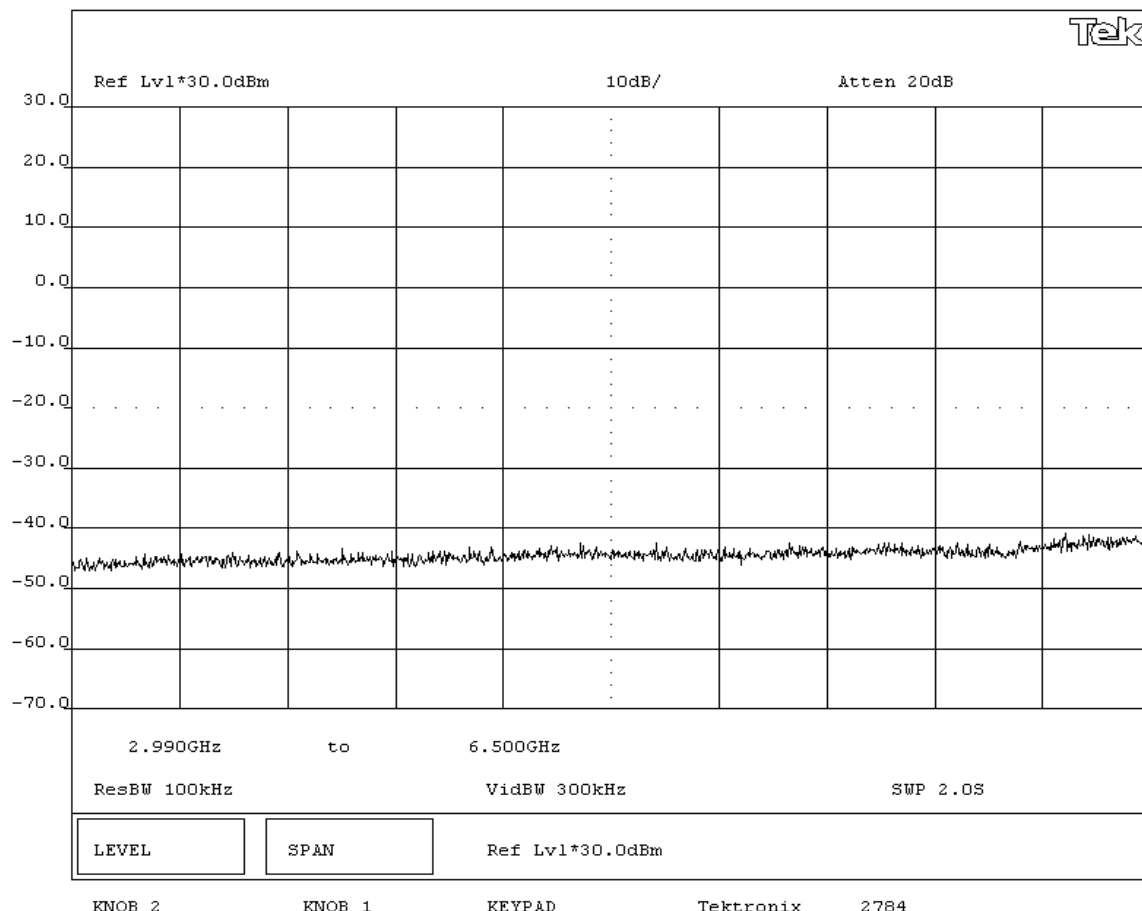
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

**RESULTS**

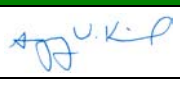
Pass

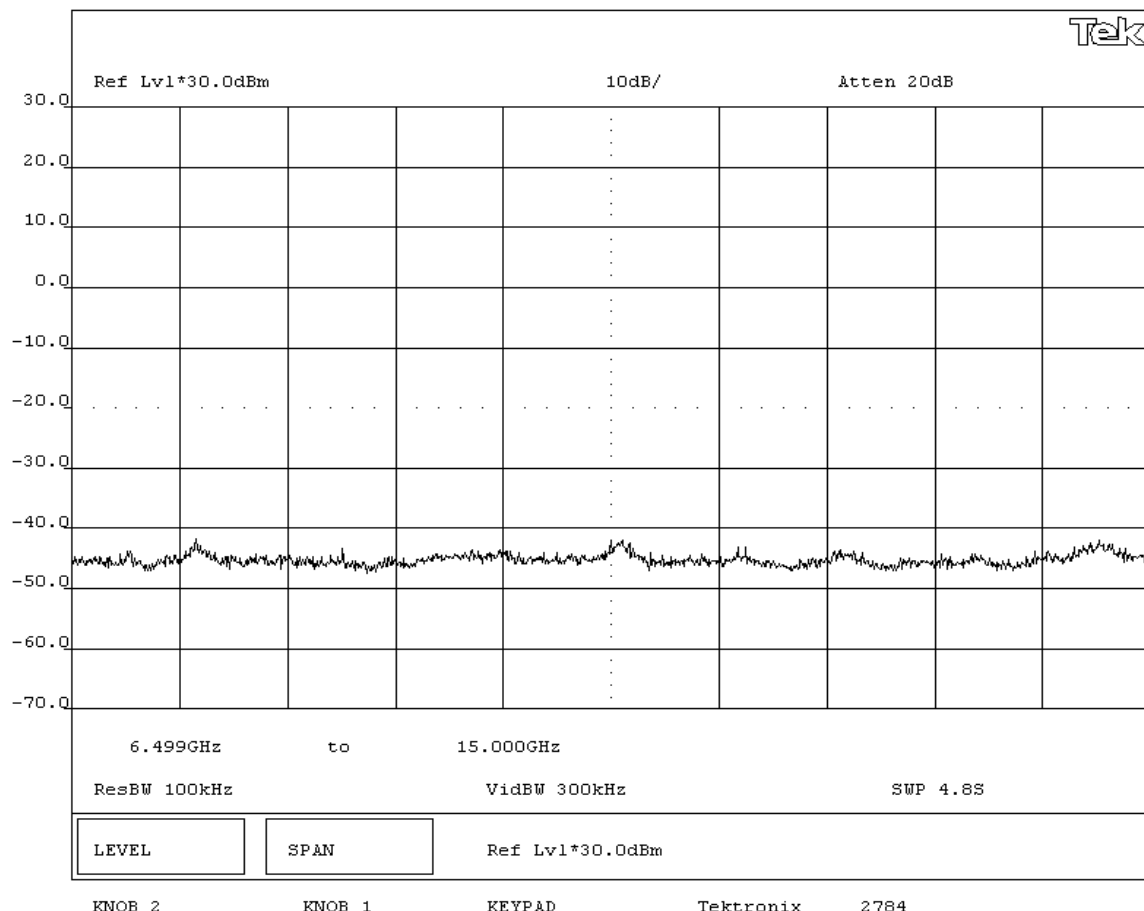
**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz**

NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX2 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="display: flex; align-items: center;"> <div style="flex: 1;">  </div> <div style="flex: 1; border-bottom: 1px solid black; margin-left: 10px;"></div> </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz</b>					





NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX2 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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					
<b>Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz</b>					



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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX2 Antenna Port

**EUT OPERATING MODES**

Forward link (DSSS mode)

**DEVIATIONS FROM TEST STANDARD**

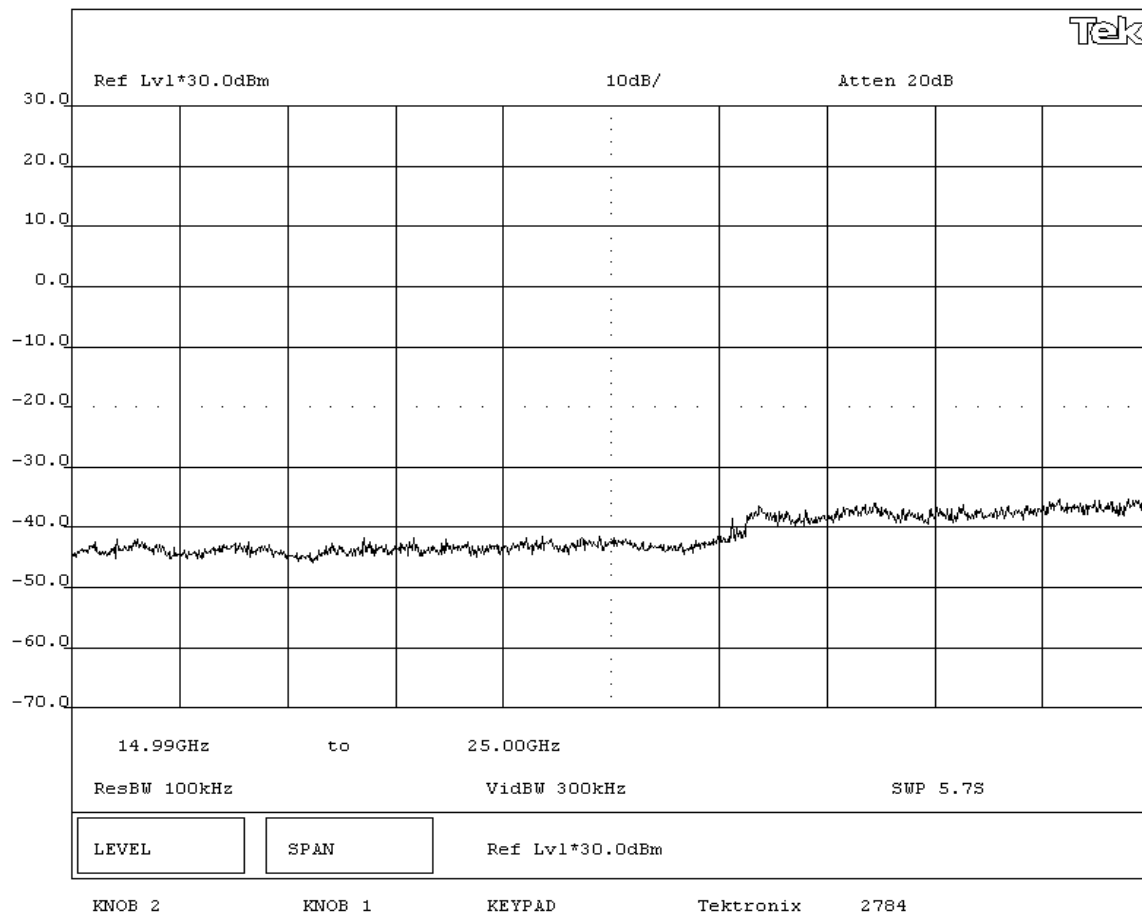
None

**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 15GHz-25GHz**

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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005
Serial Number: 32695			Date: 11/03/04
Customer: Idmicro, INC.			Temperature: 68
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX3 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

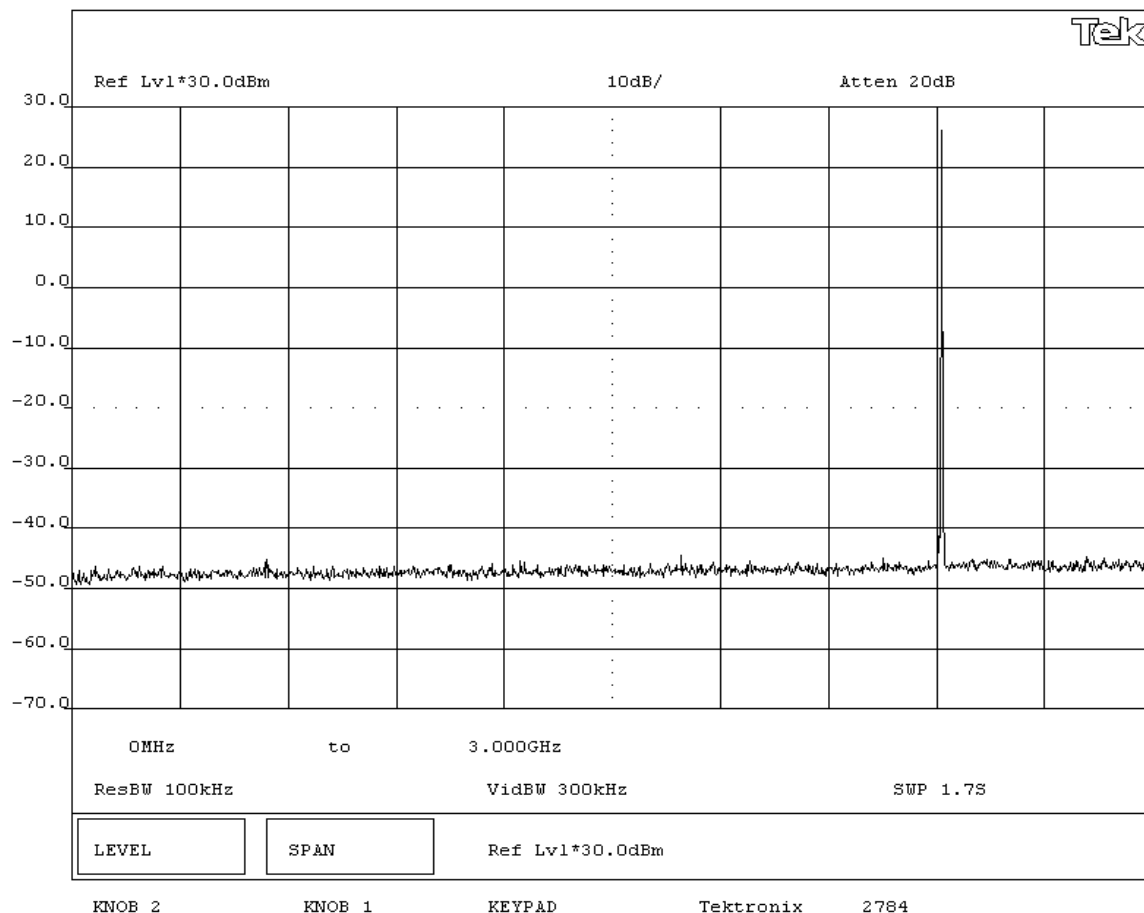
None

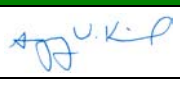
**REQUIREMENTS**

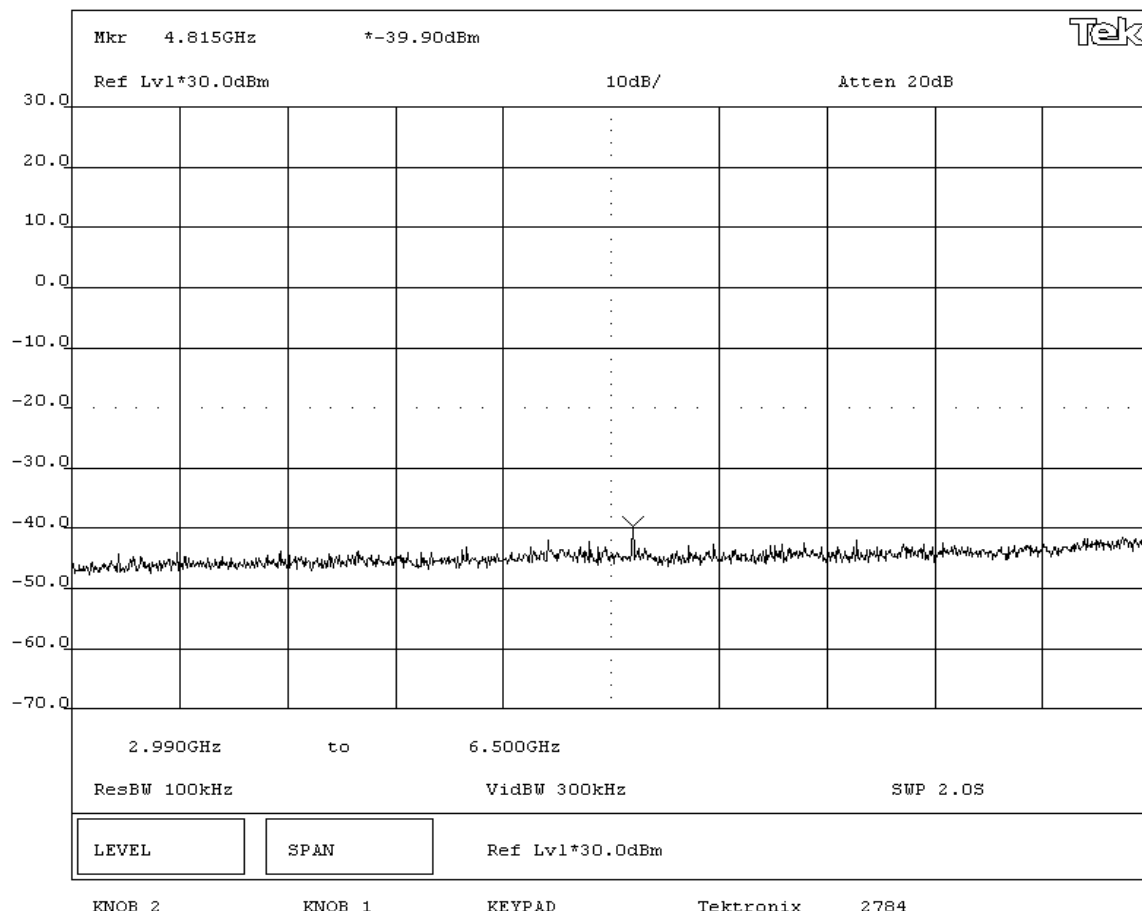
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

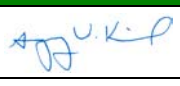
**RESULTS**

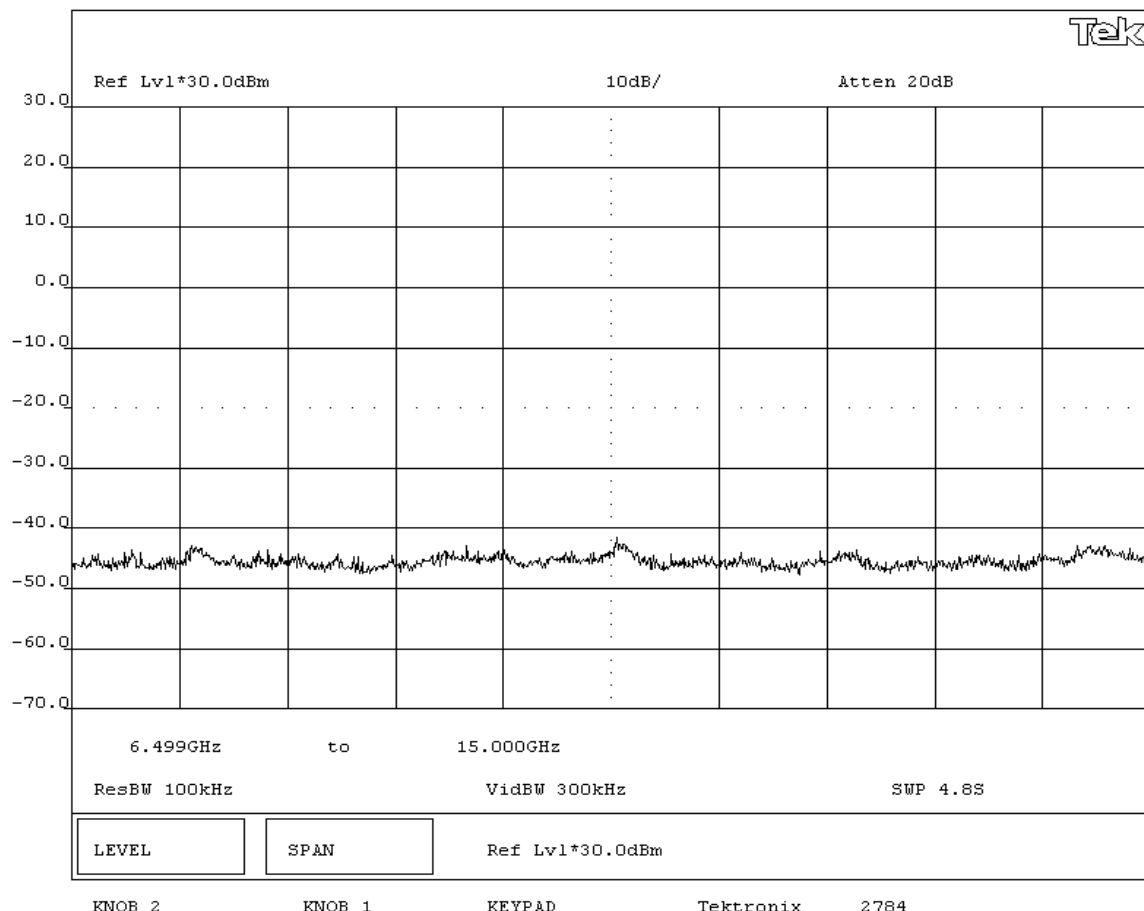
Pass

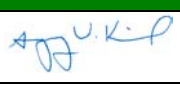
**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz**

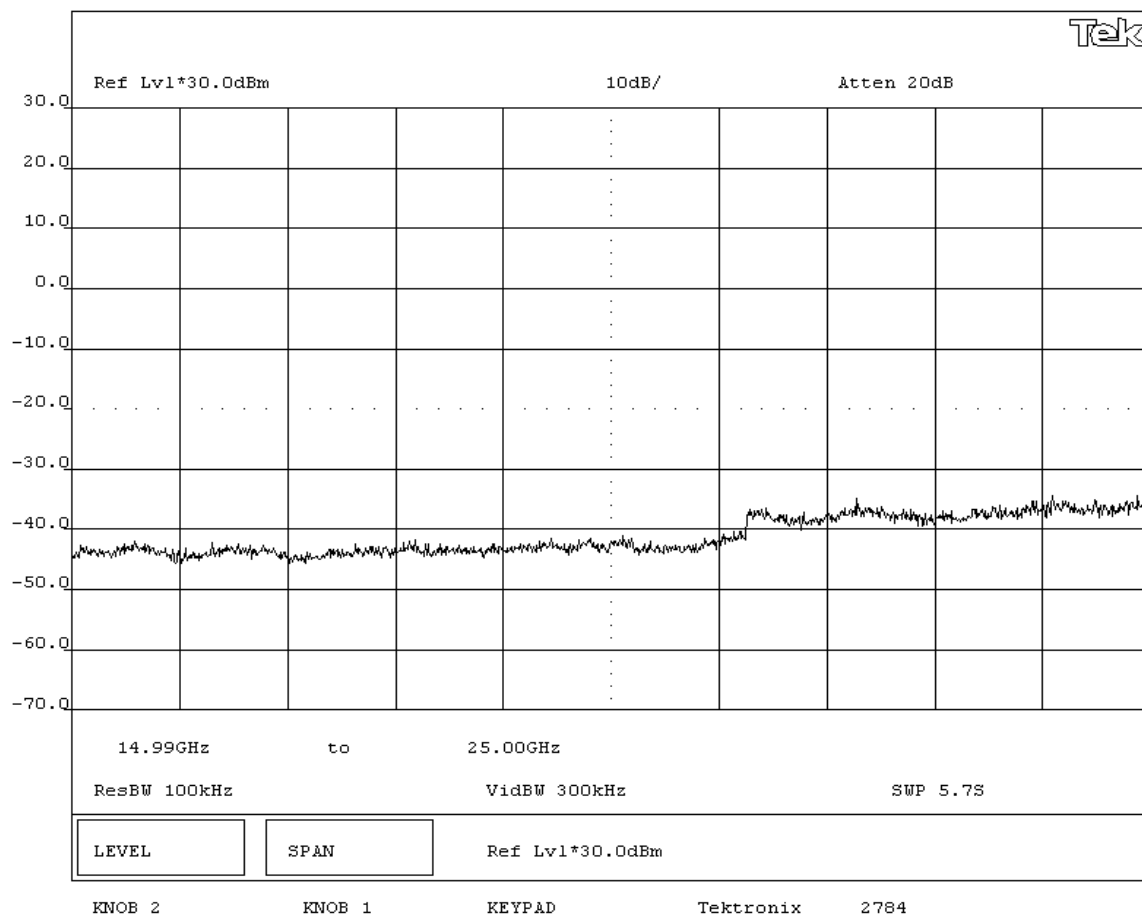
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX3 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz</b>					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					
<b>Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz</b>					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX3 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

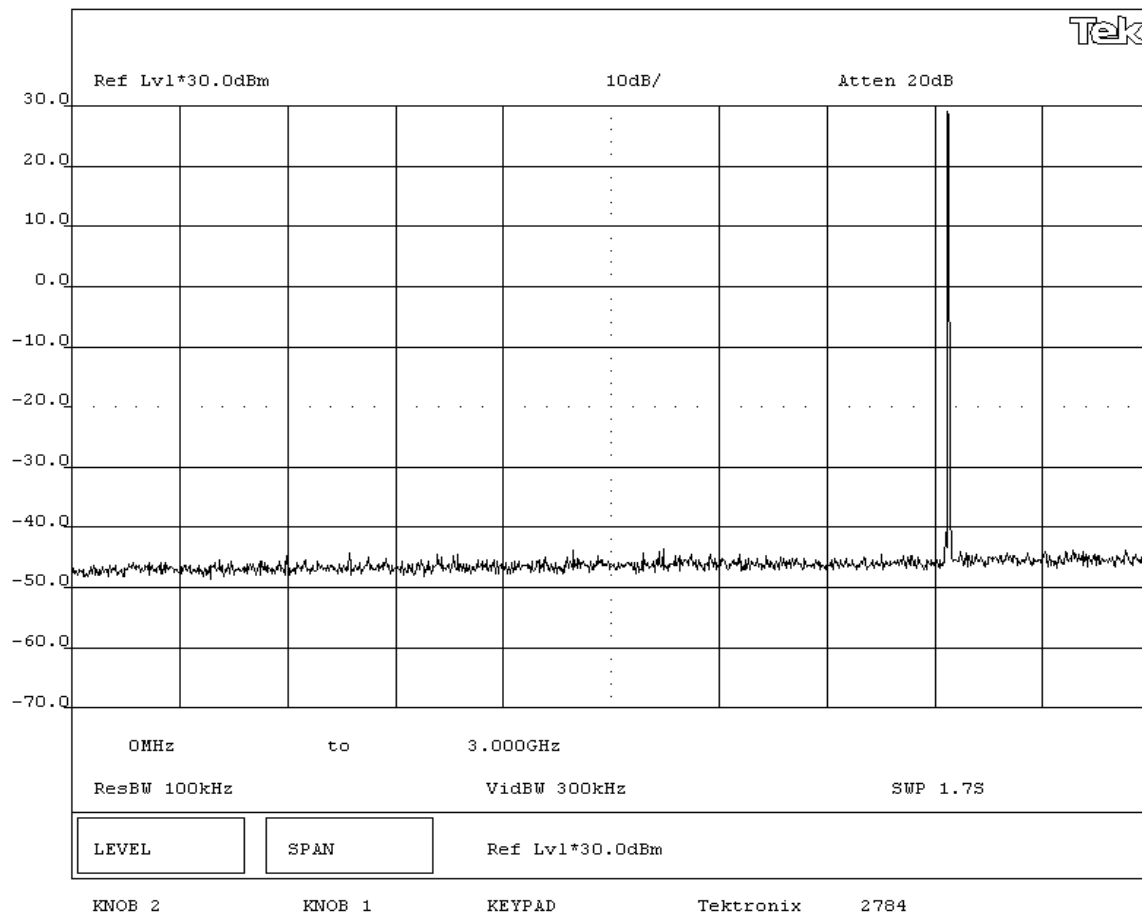
None

**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**

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

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## COMMENTS

Measurement made at TX3 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

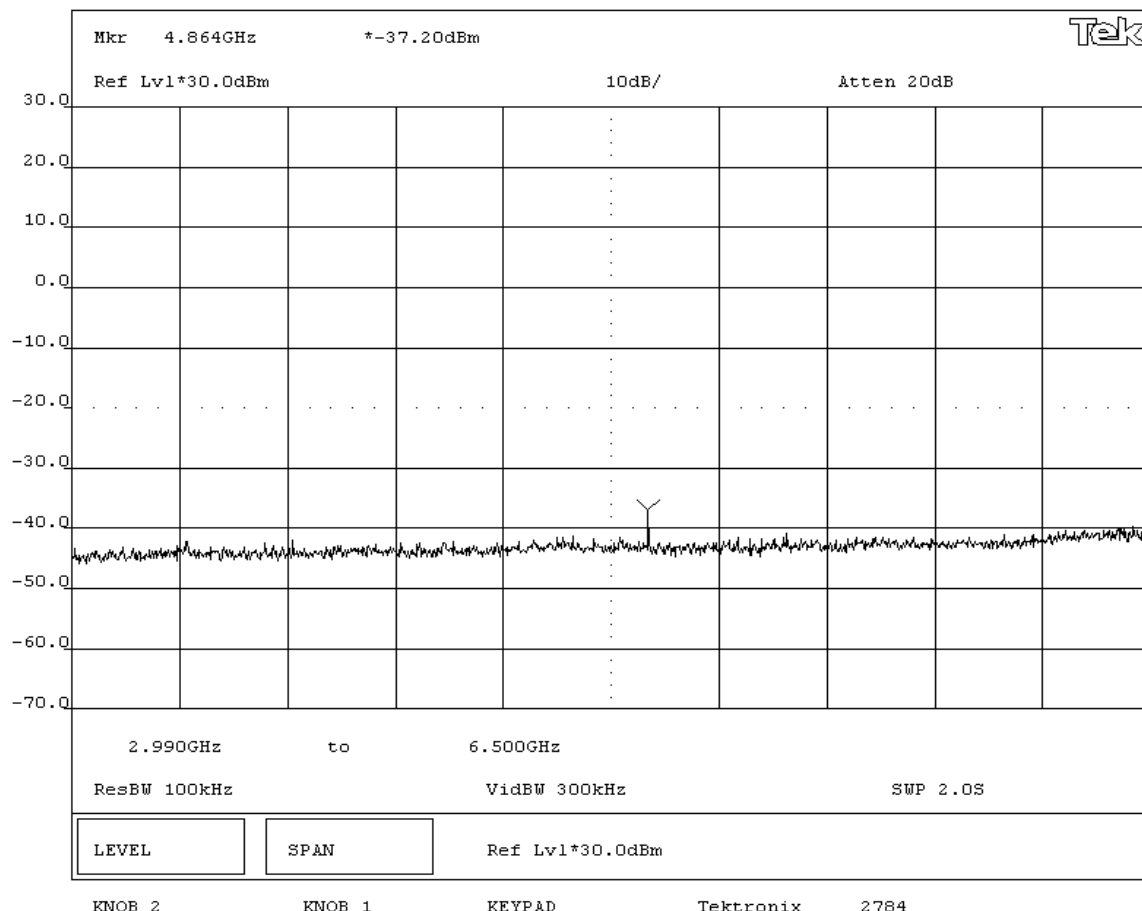
Pass

## SIGNATURE

Tested By: \_\_\_\_\_

### DESCRIPTION OF TEST

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





NORTHWEST  
**EMC**

# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX3 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

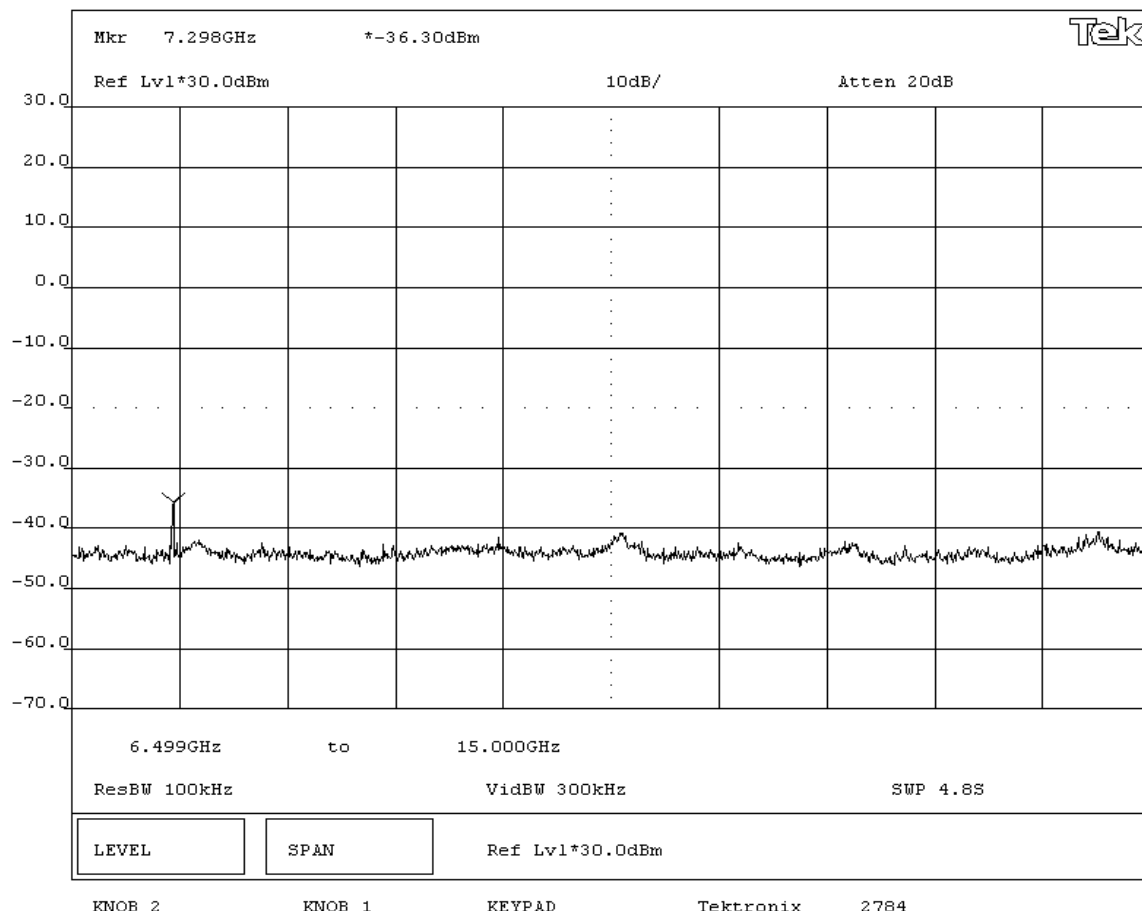
Pass

## SIGNATURE


Tested By: 

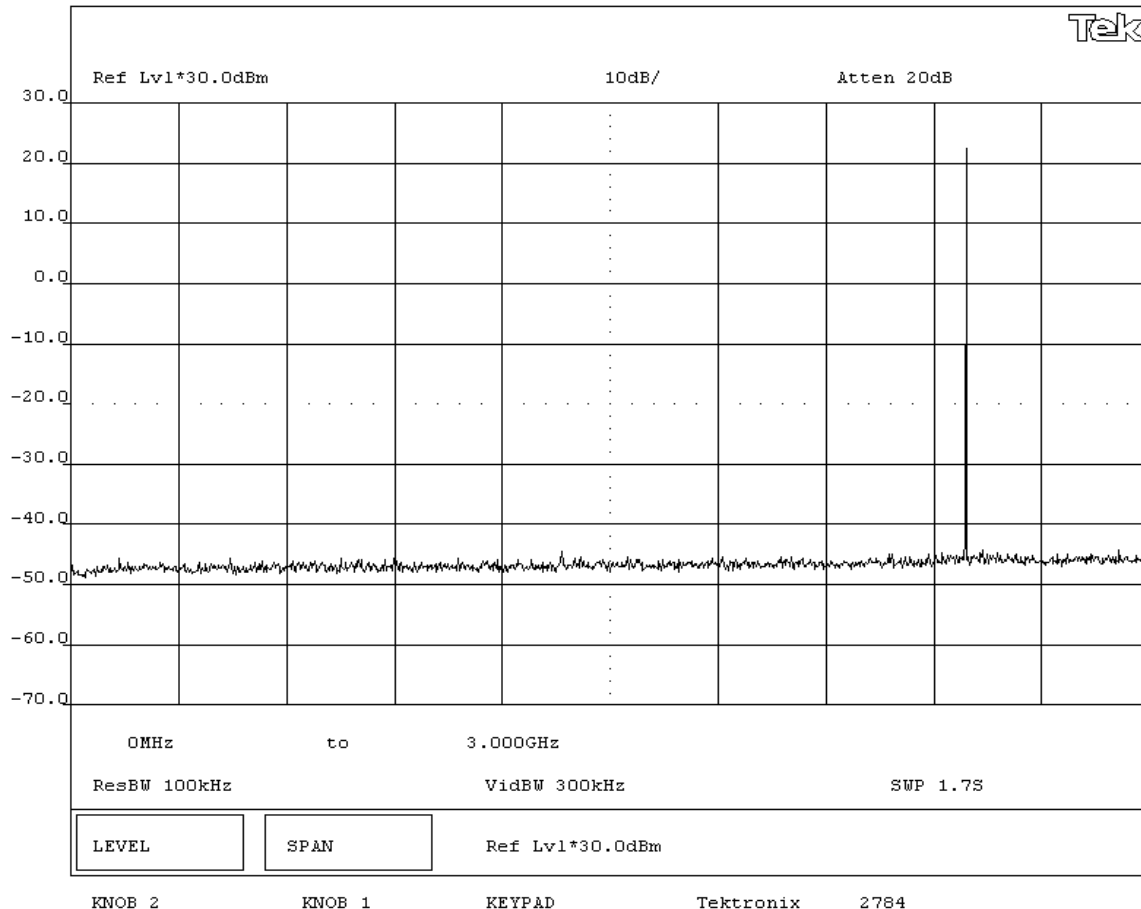
## DESCRIPTION OF TEST

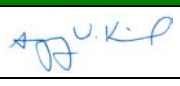
**Antenna Conducted Spurious Emissions - Mid Channel 6.5GHz-15GHz**

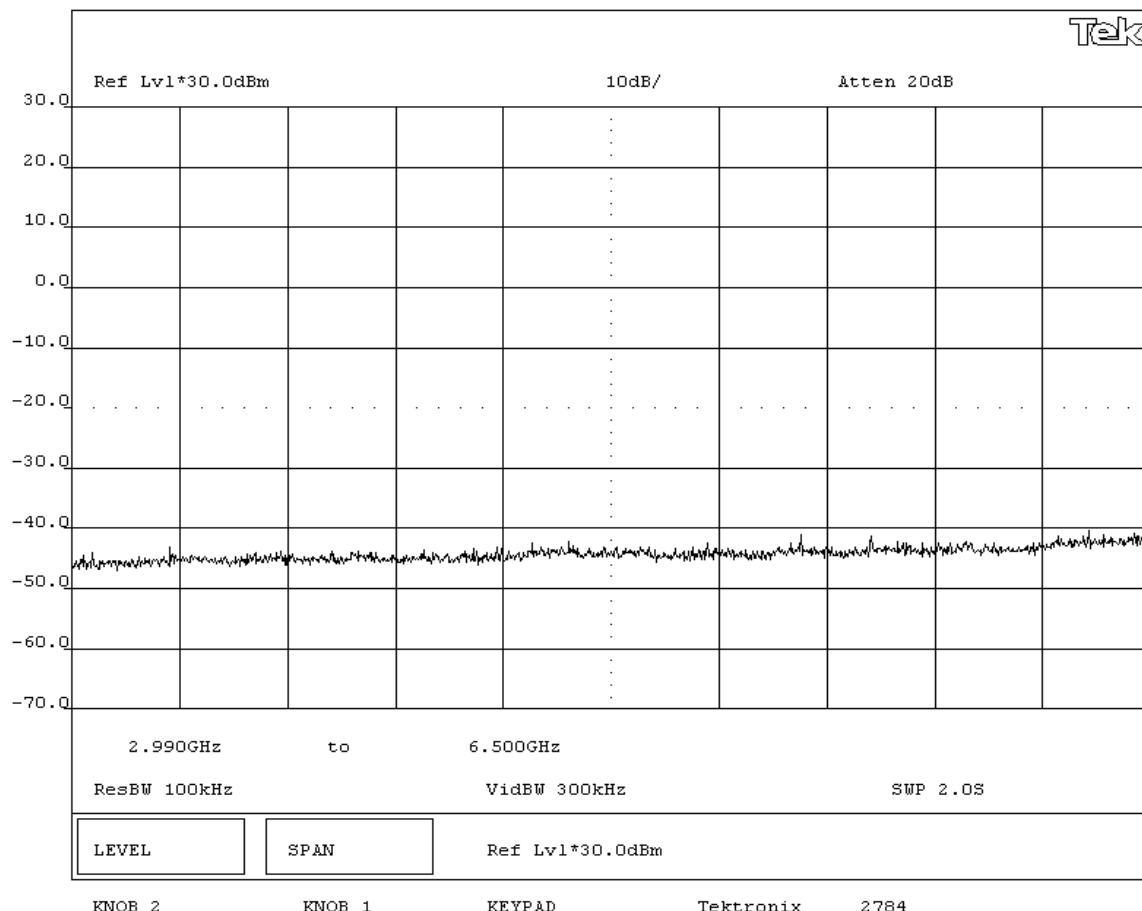


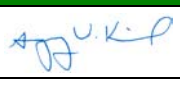


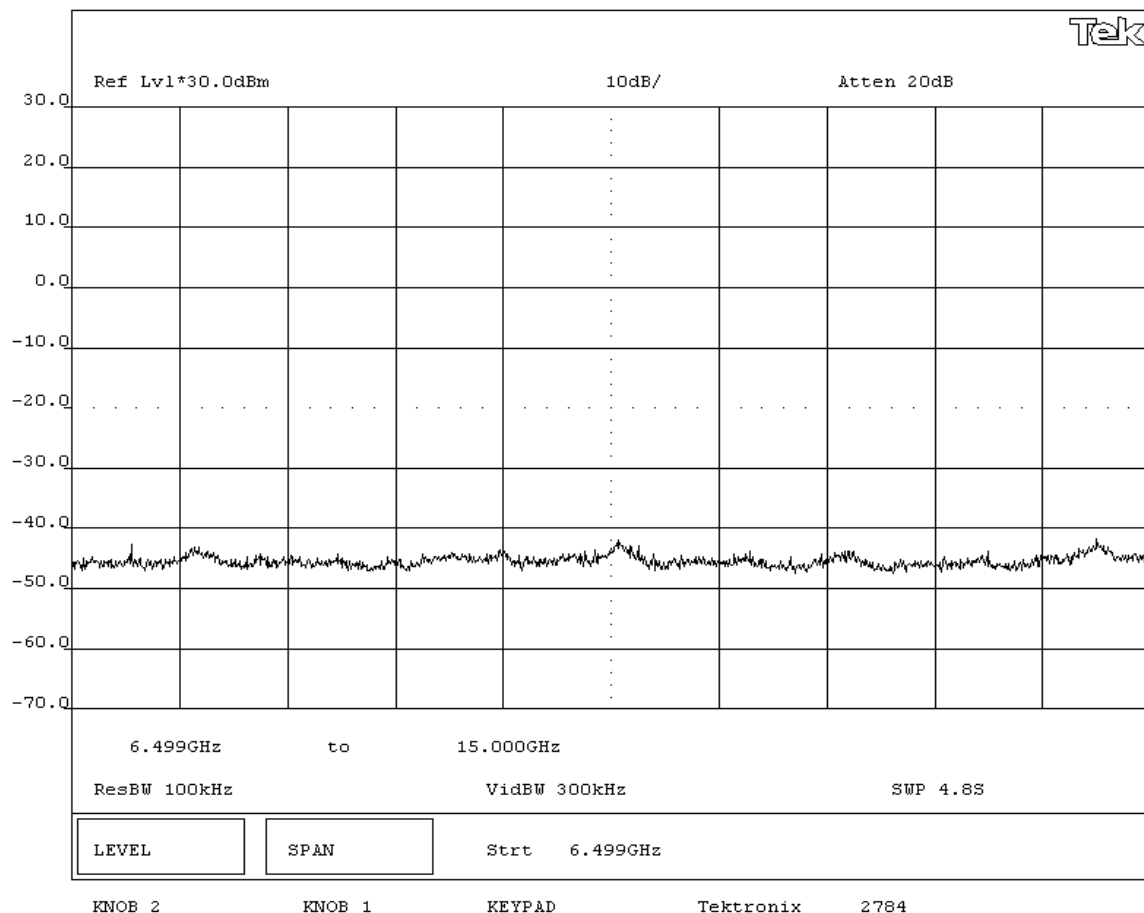
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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 0MHz-3GHz					




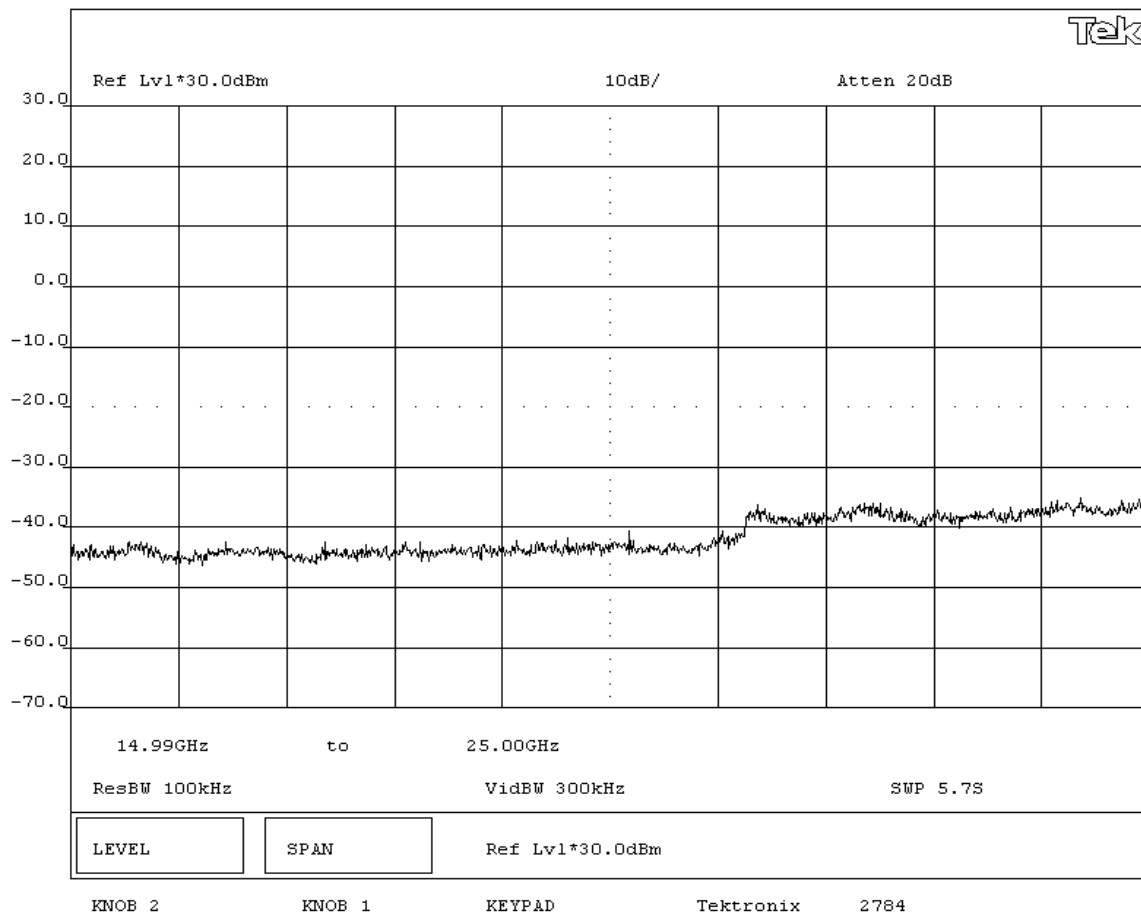
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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 3GHz-6.5GHz					

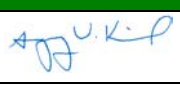


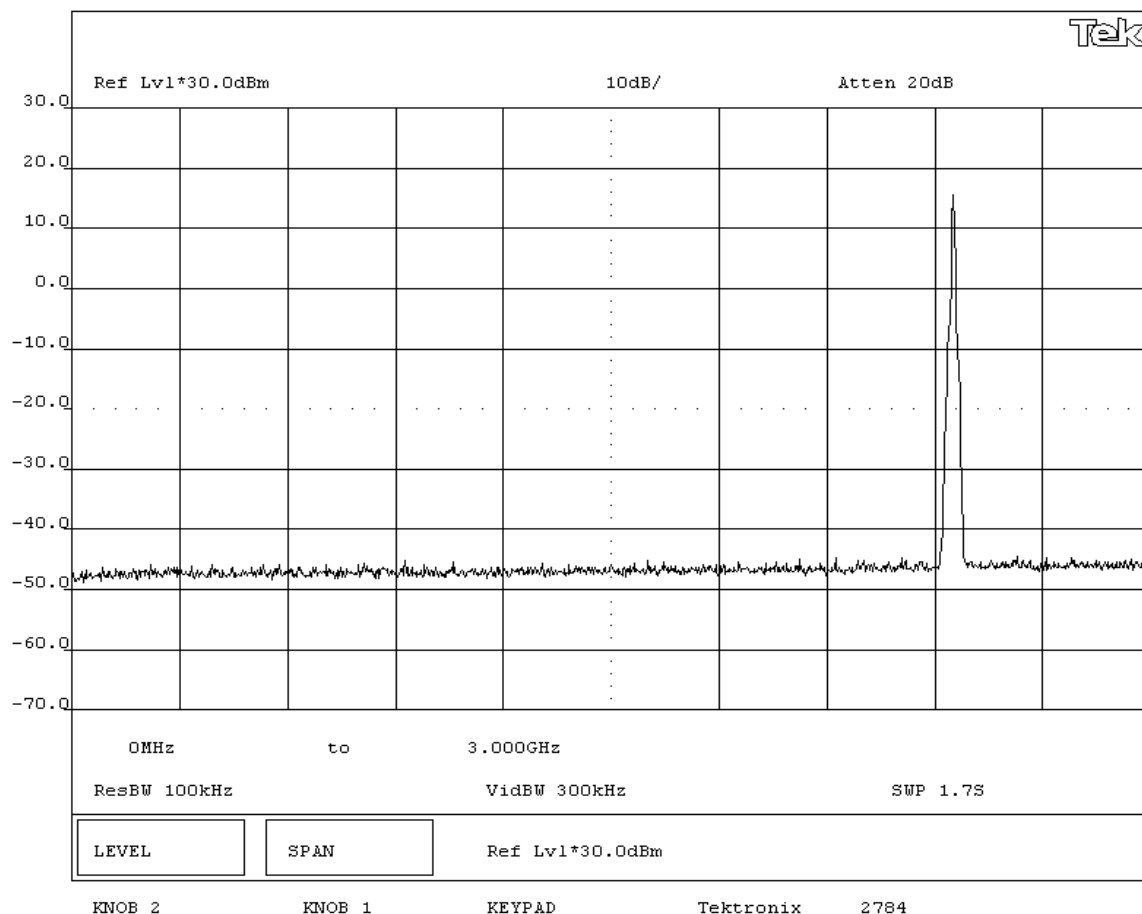
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX3 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz</b>					

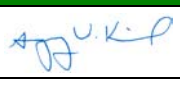


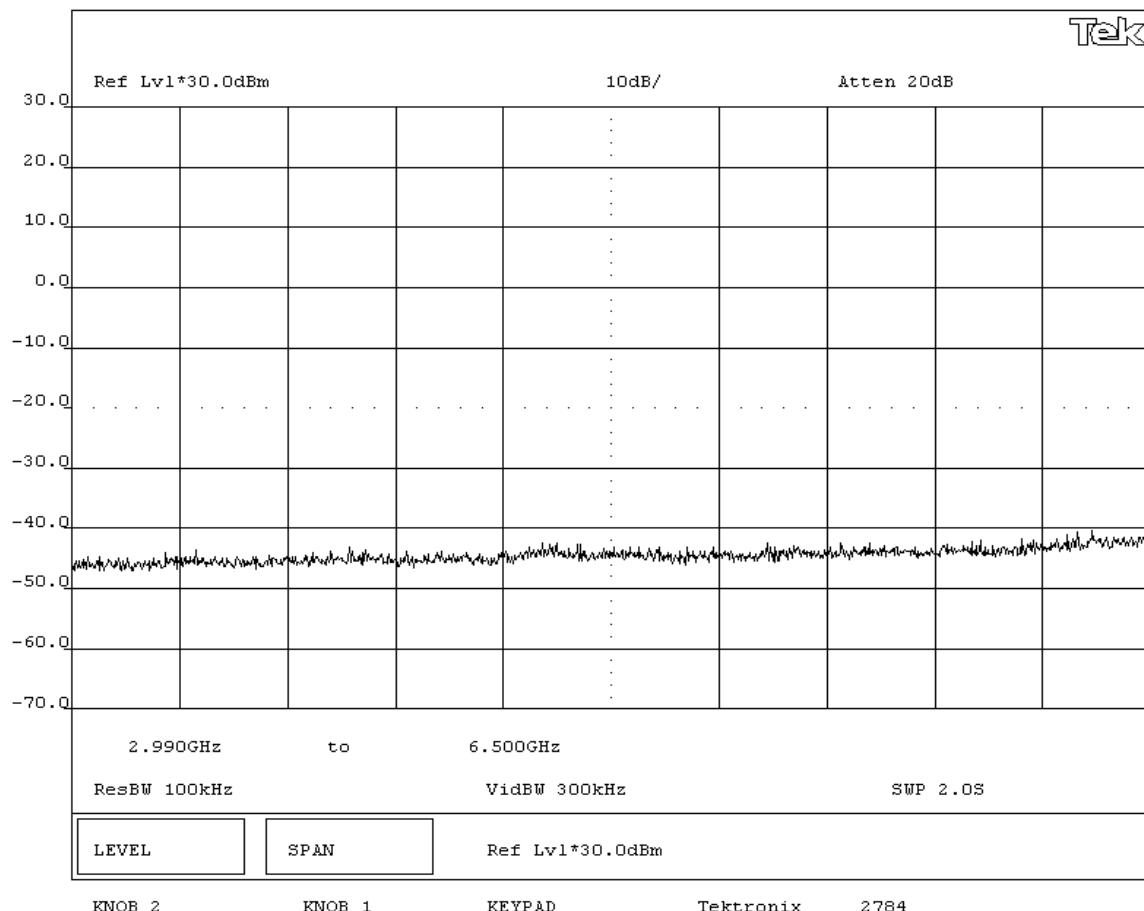
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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 15GHz-25GHz					



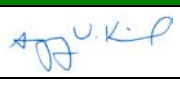
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX3 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz</b>					

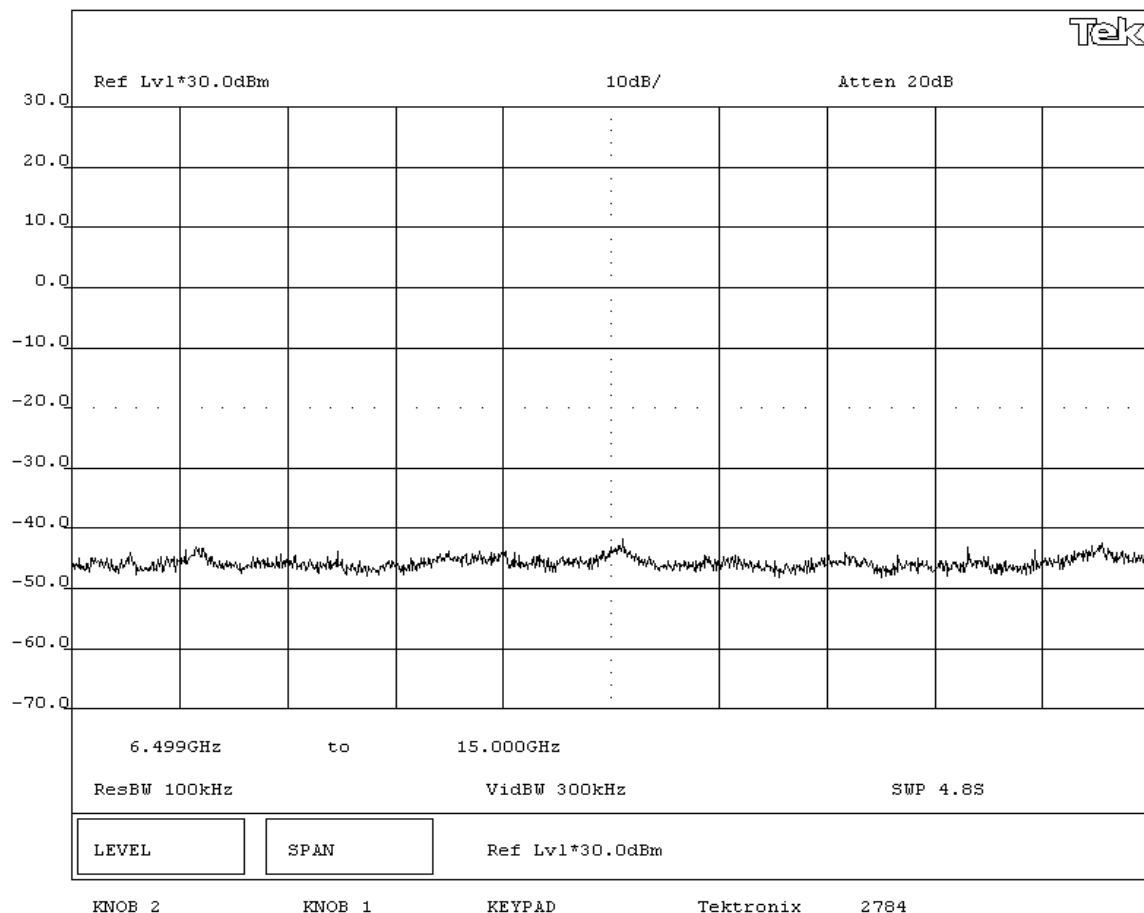



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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 3GHz-6.5GHz					

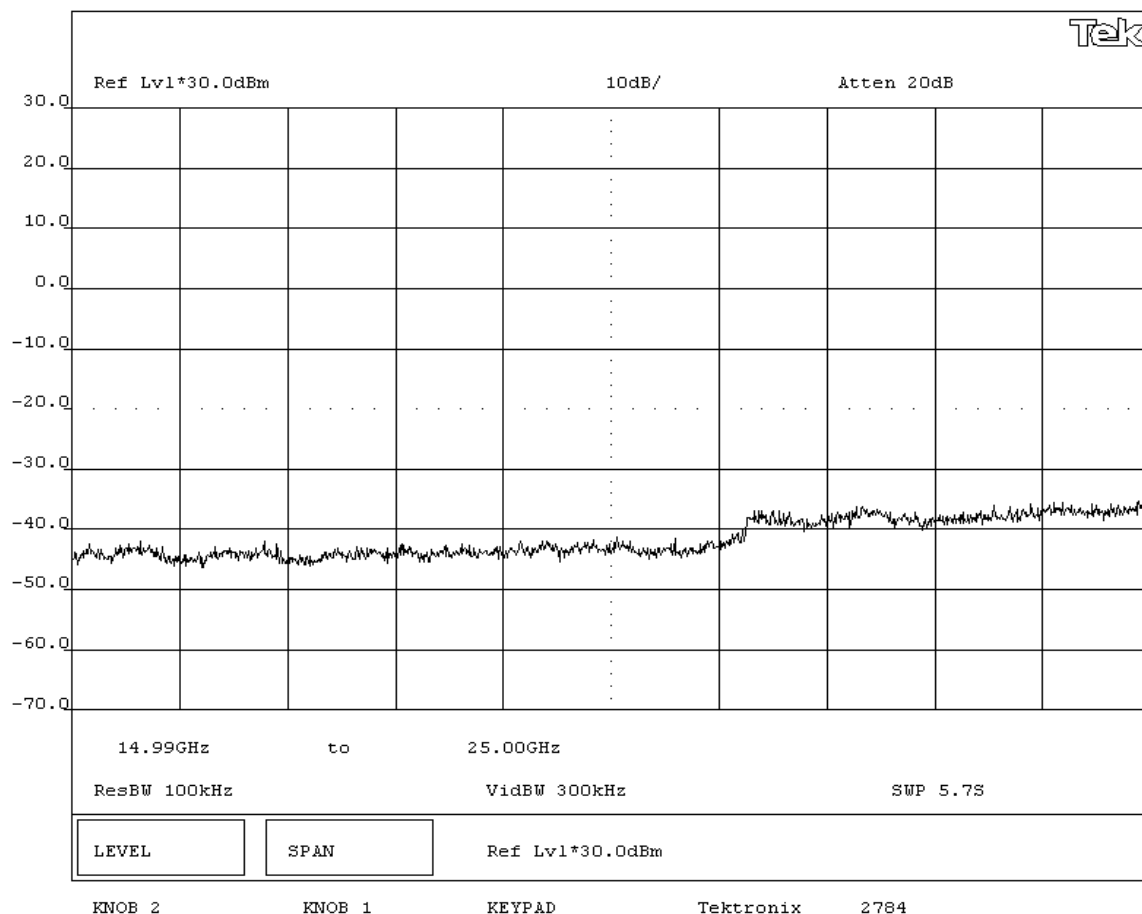




NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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					
<b>Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz</b>					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX3 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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 15GHz-25GHz					



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005
Serial Number: 32695			Date: 11/03/04
Customer: Idmicro, INC.			Temperature: 68
Attendees: Tom Kearns	Tested by: Greg Kiemel	Humidity: 40%	
Customer Ref. No.: N/A	Power: 120VAC/60Hz	Job Site: EV06	

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX4 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

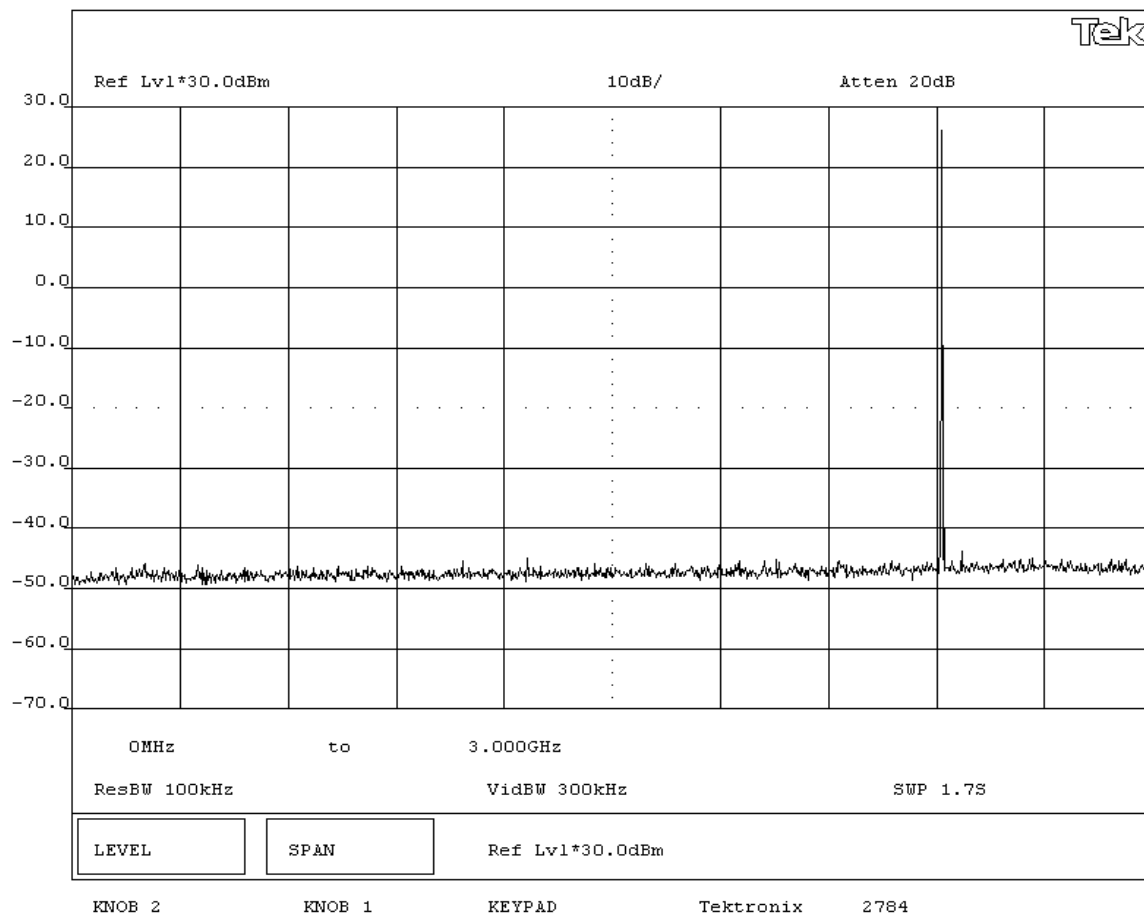
Pass

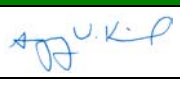
## SIGNATURE

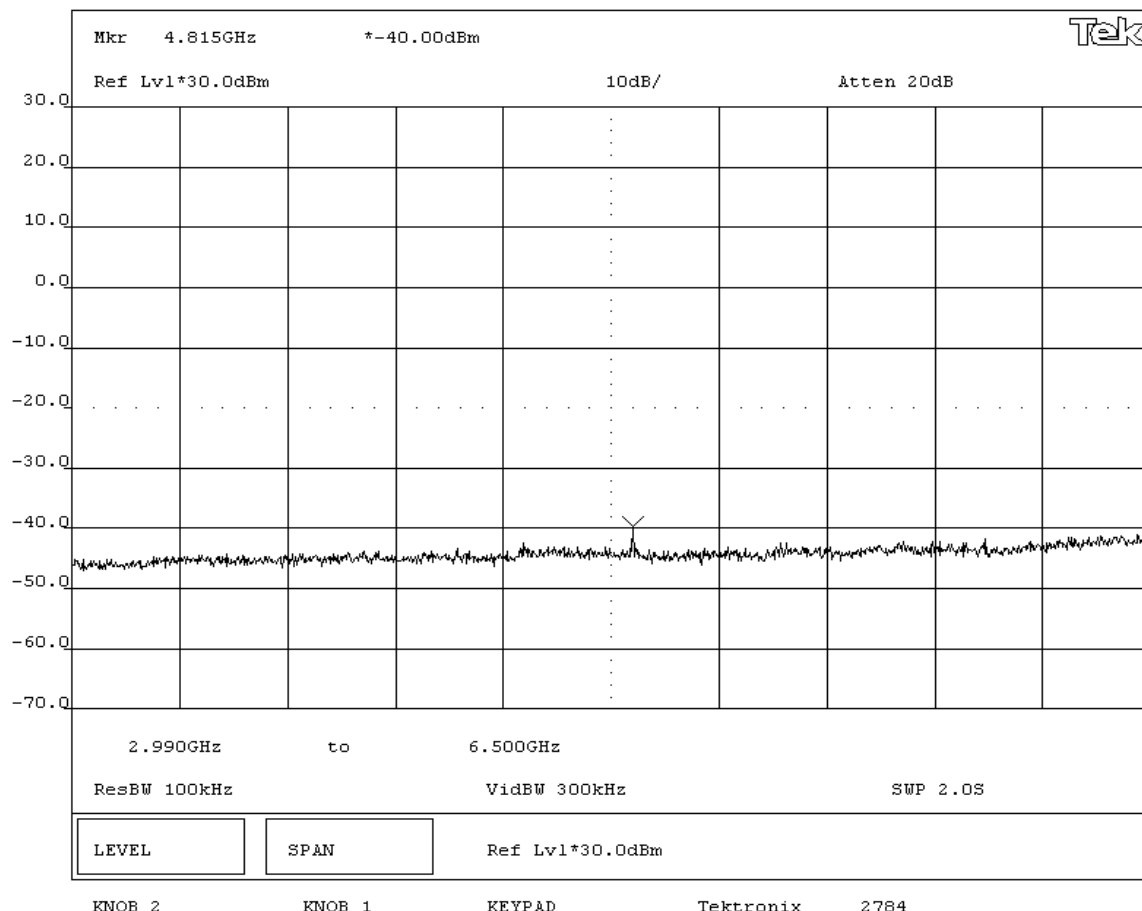
Tested By: 

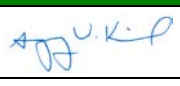
## DESCRIPTION OF TEST

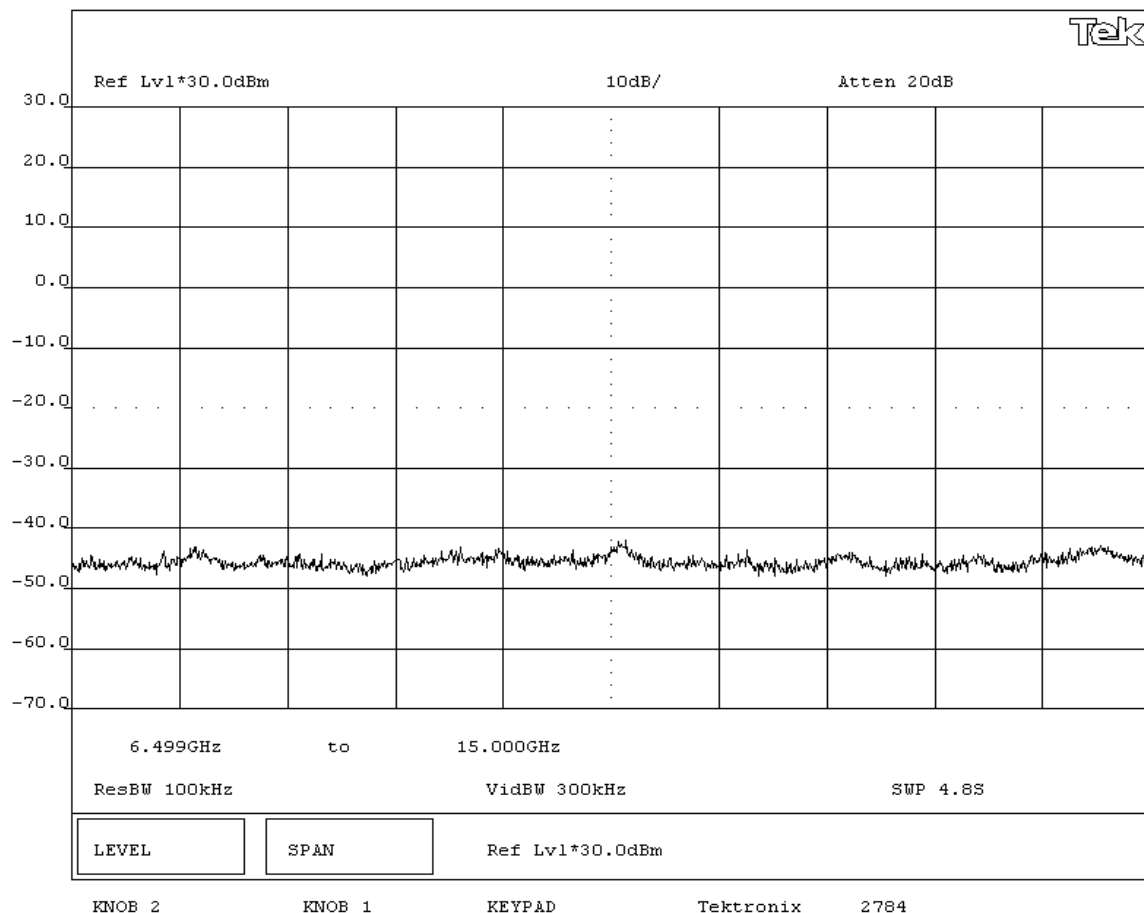
Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX4 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz</b>					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX4 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					
<b>Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz</b>					



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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX4 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

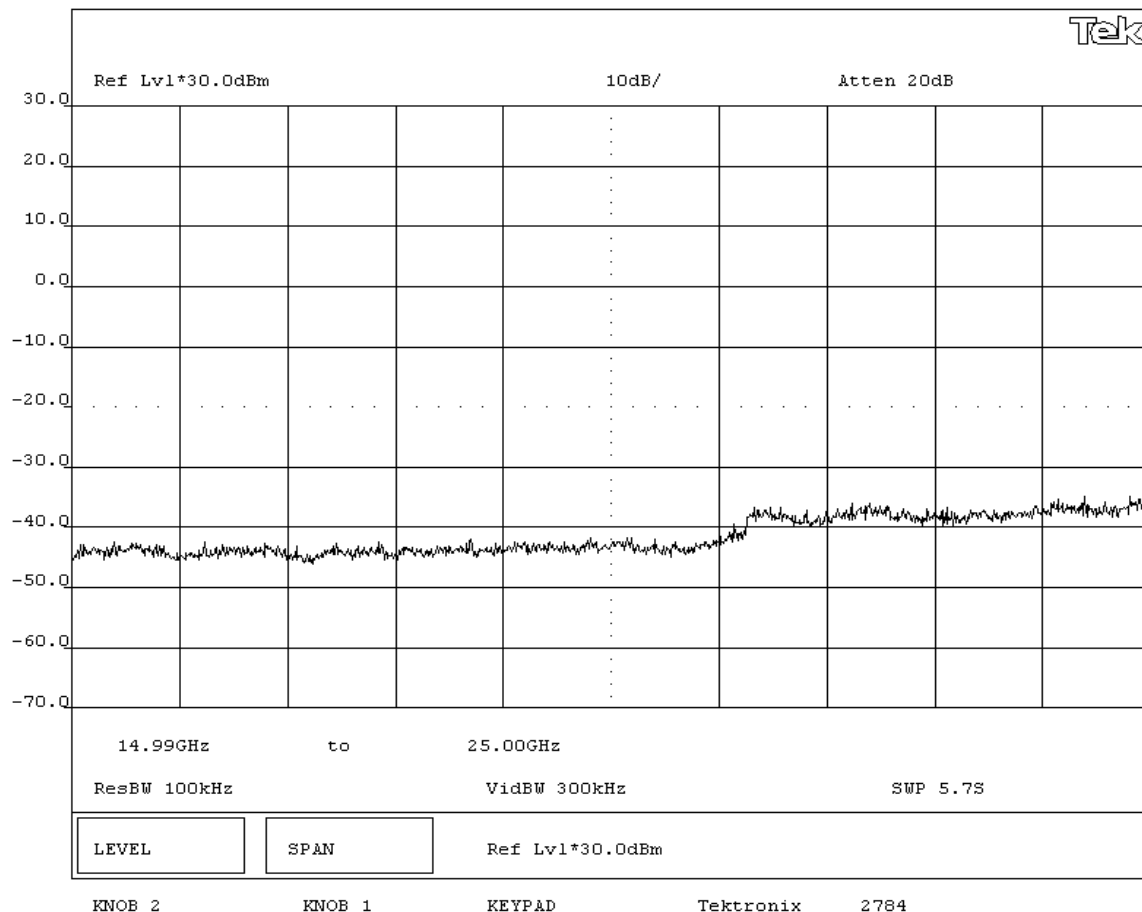
None


**REQUIREMENTS**

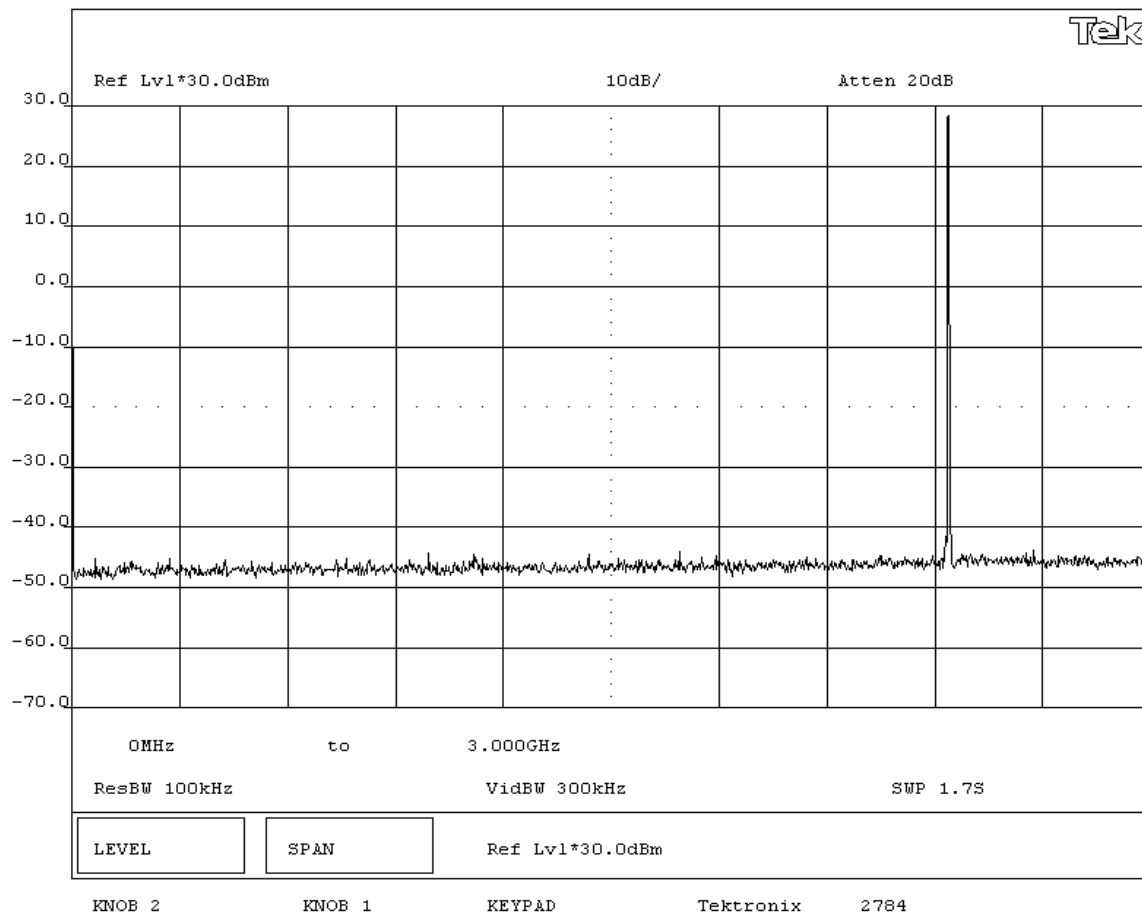
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental


**RESULTS**

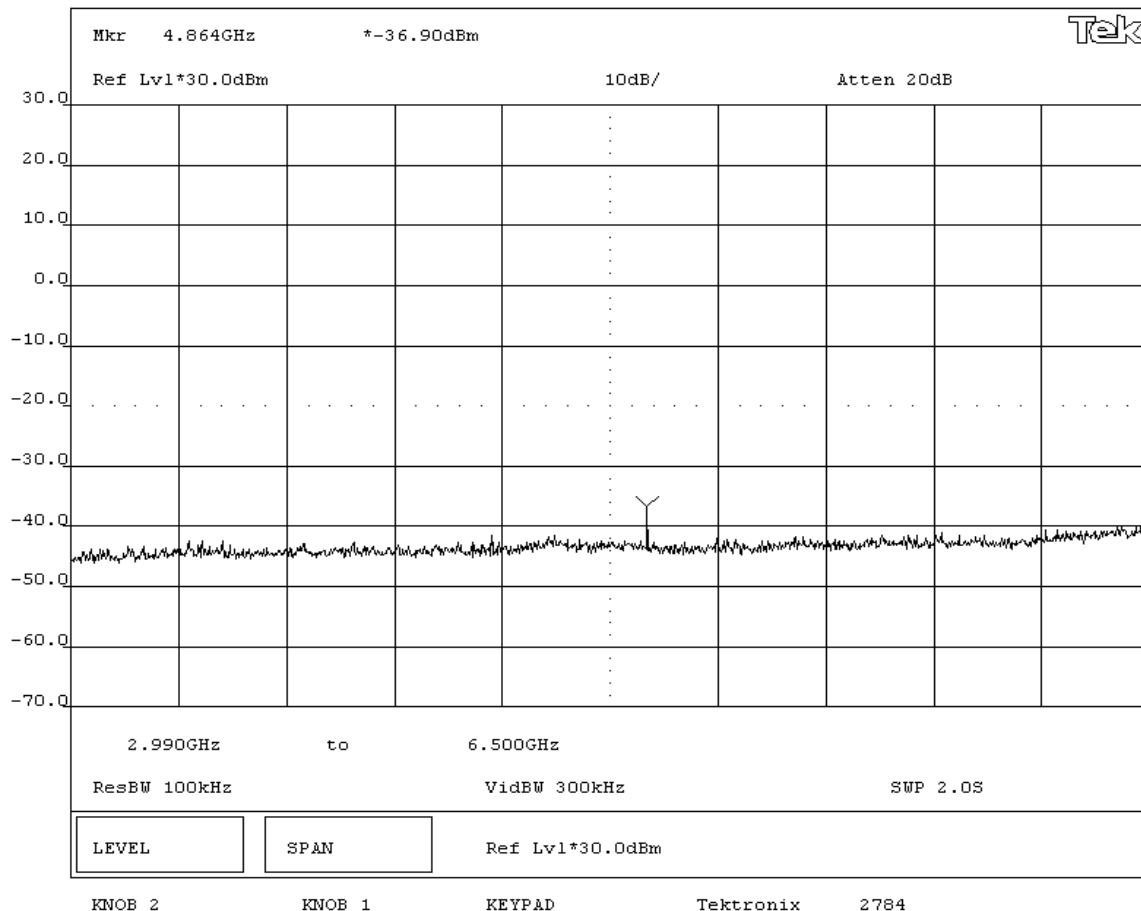
Pass

**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz**

NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX4 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX4 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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 3GHz-6.5GHz					





NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX4 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

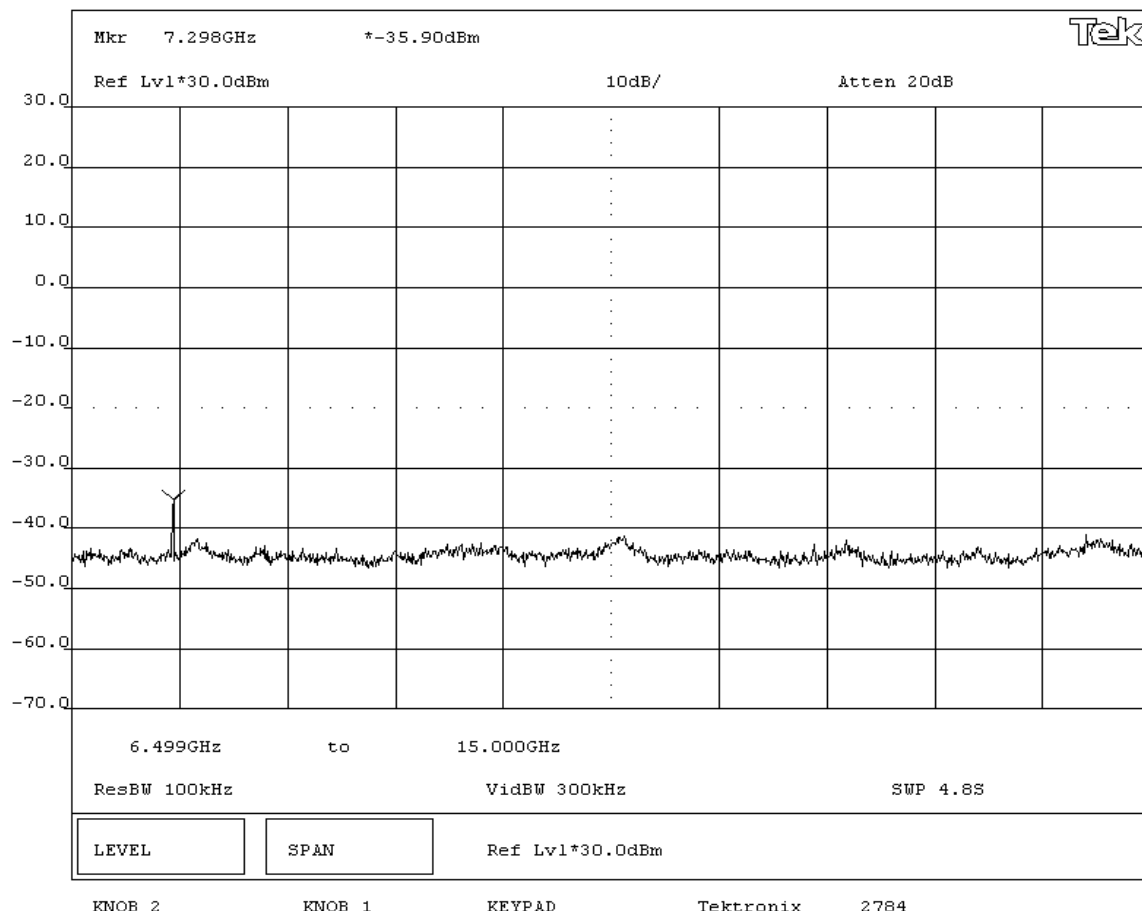
Pass

## SIGNATURE

Tested By: 

## DESCRIPTION OF TEST

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



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX4 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

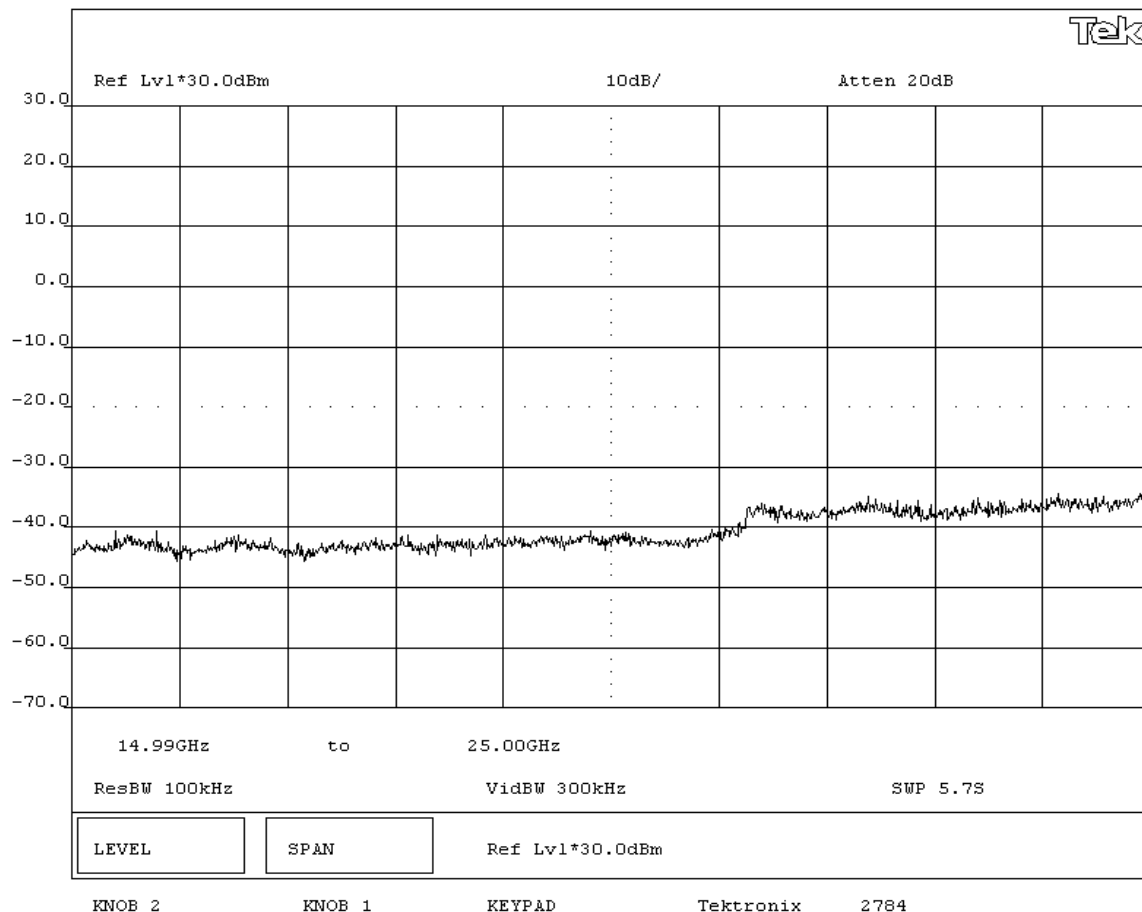
Pass

## 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: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX4 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

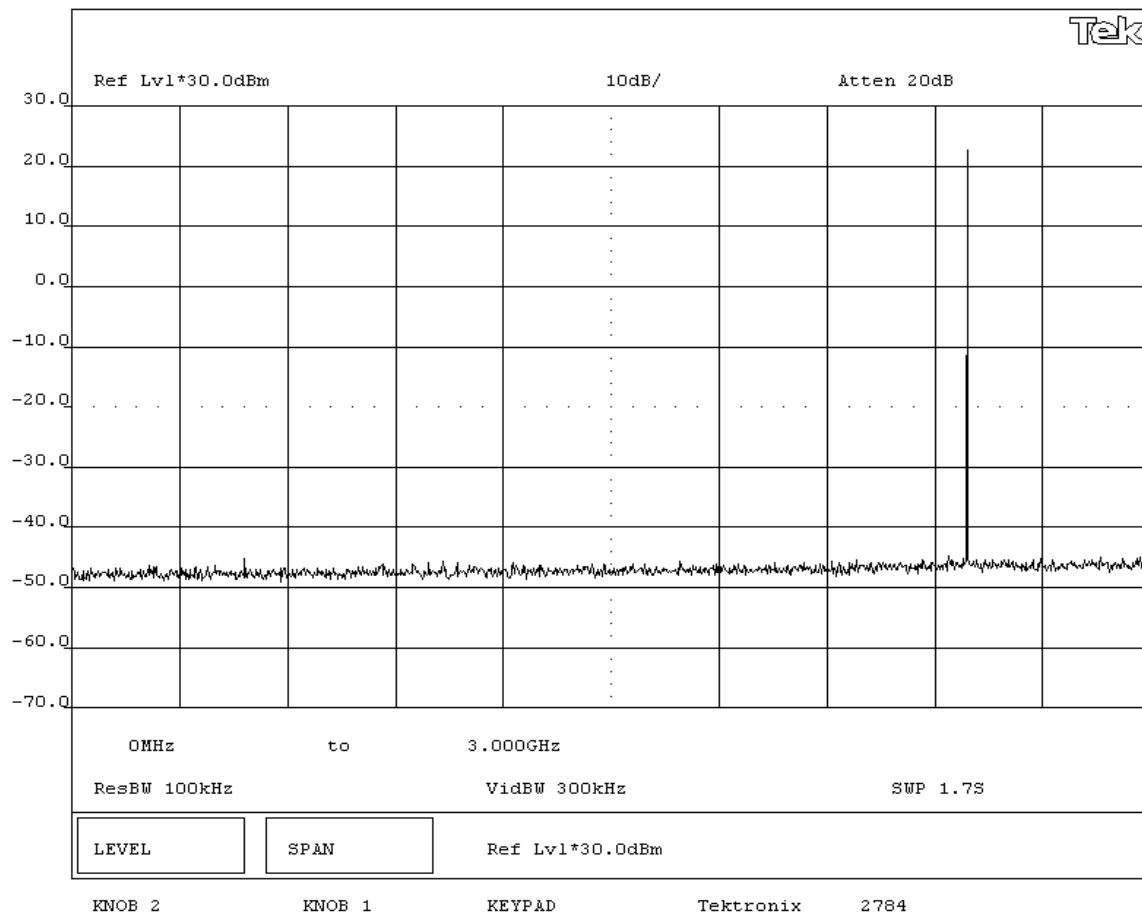
None

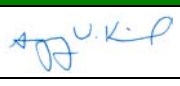
**REQUIREMENTS**

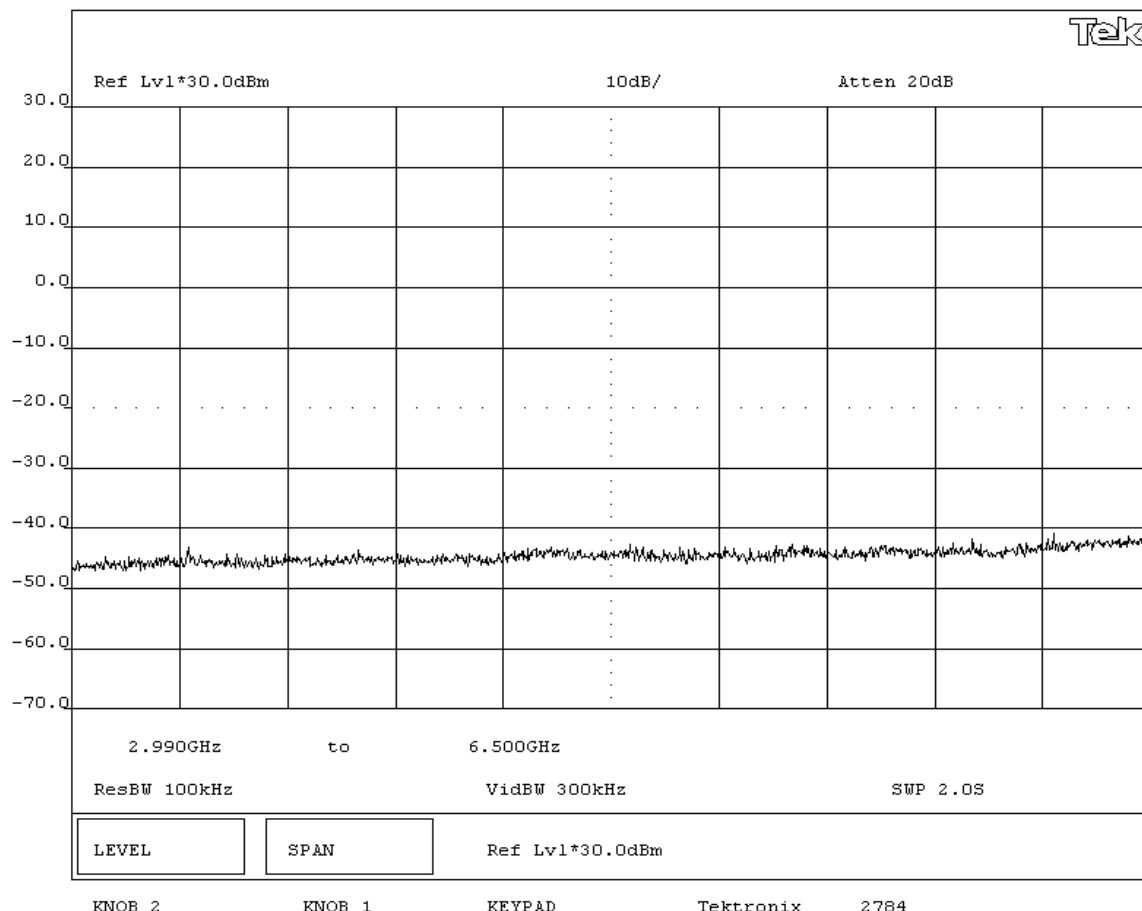
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

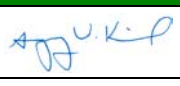
**RESULTS**

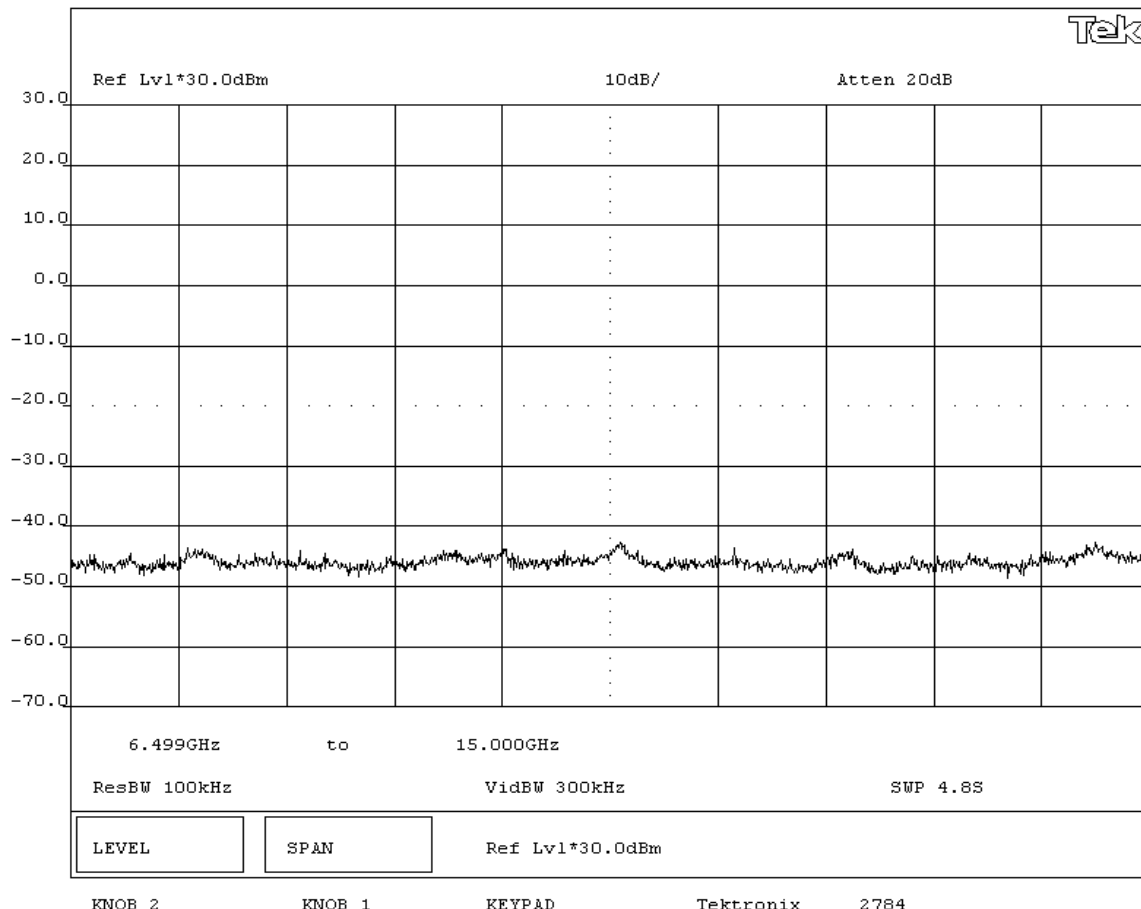
Pass


**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz**

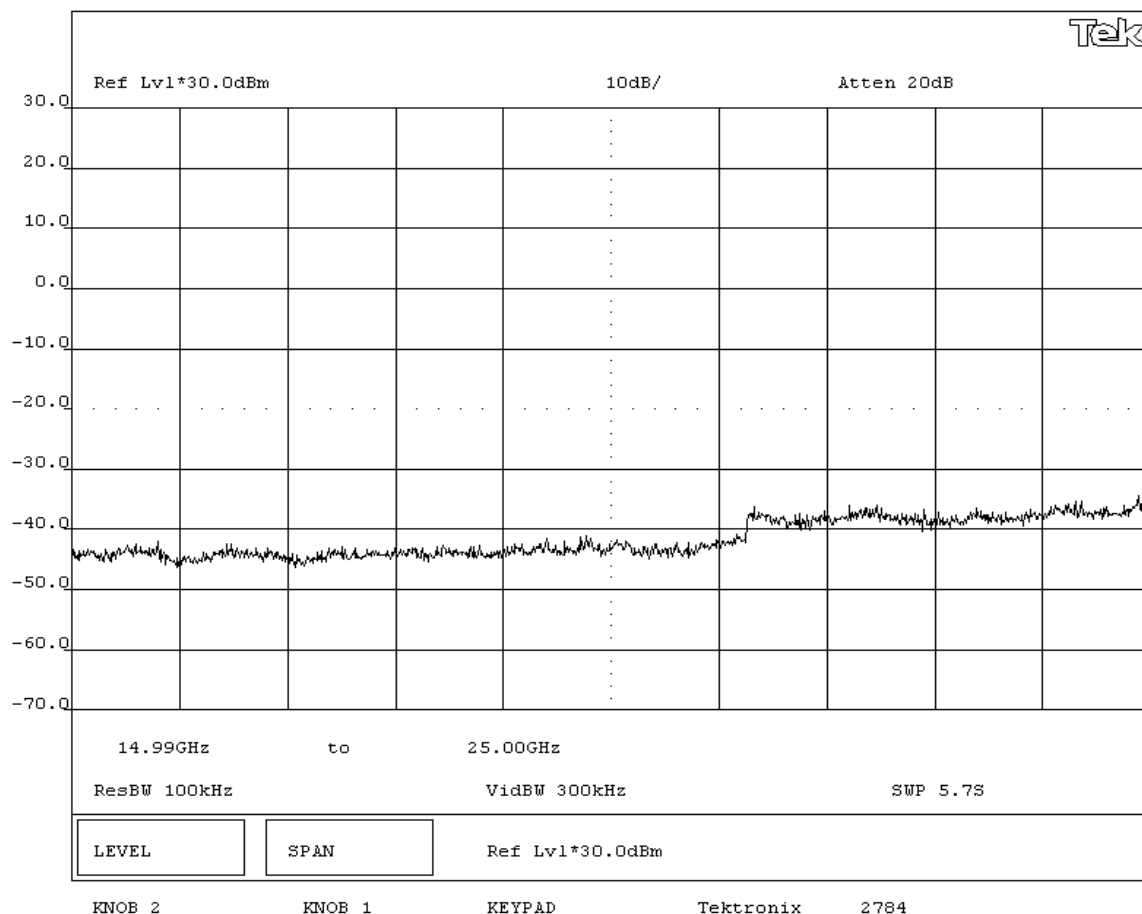
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX4 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="display: flex; align-items: center;"> <div style="flex: 1;">  </div> <div style="flex: 1; border-bottom: 1px solid black; margin-left: 10px;"></div> </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz</b>					

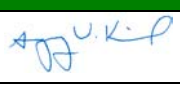


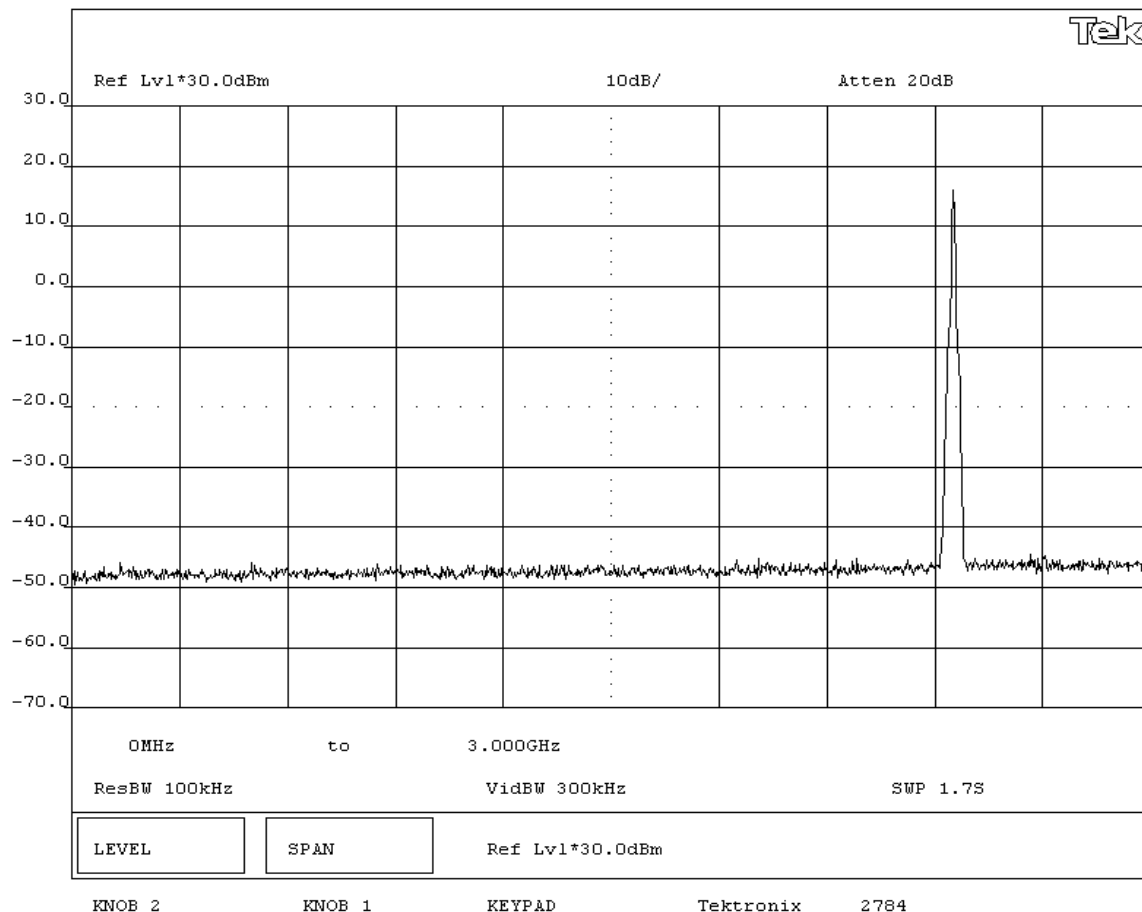
NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX4 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					
<b>Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz</b>					

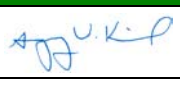


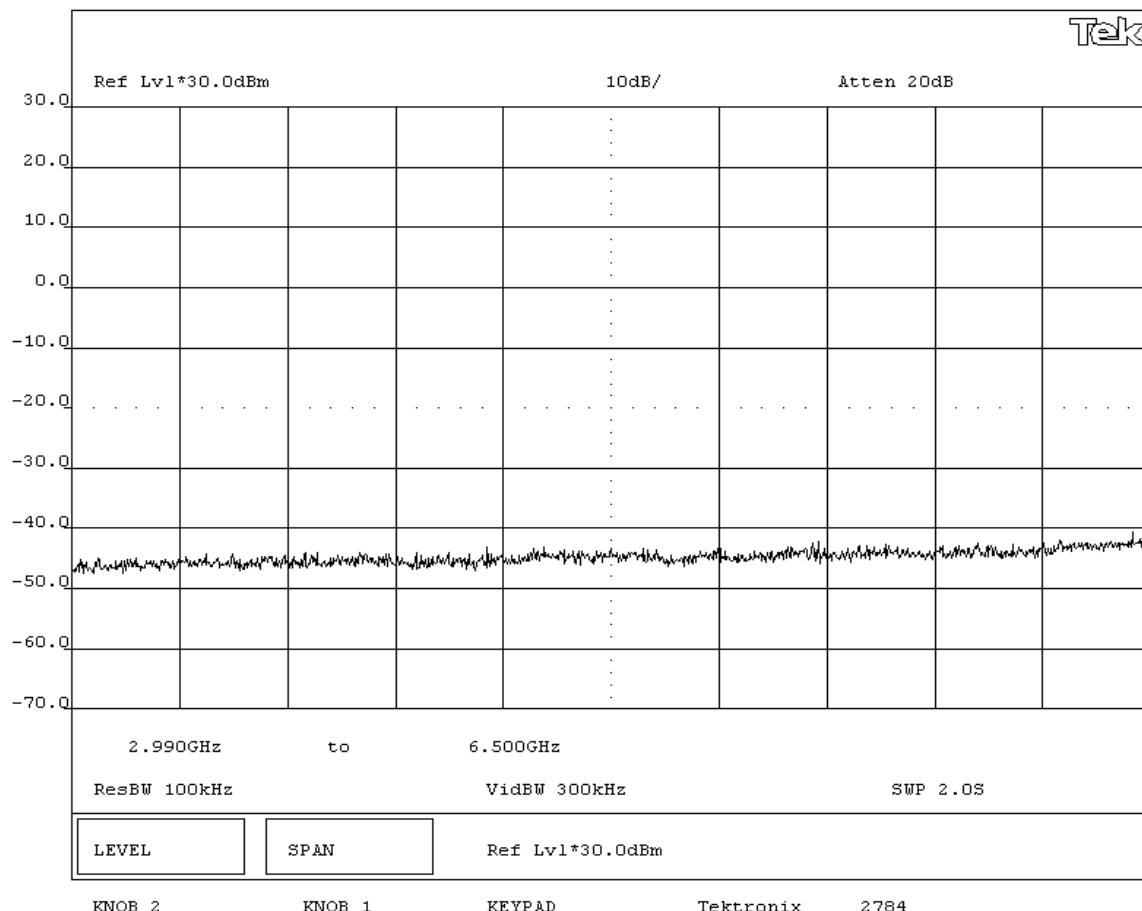
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX4 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz</b>					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX4 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz</b>					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX4 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz</b>					





## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX4 Antenna Port

## EUT OPERATING MODES

Forward link (DSSS mode)

## 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

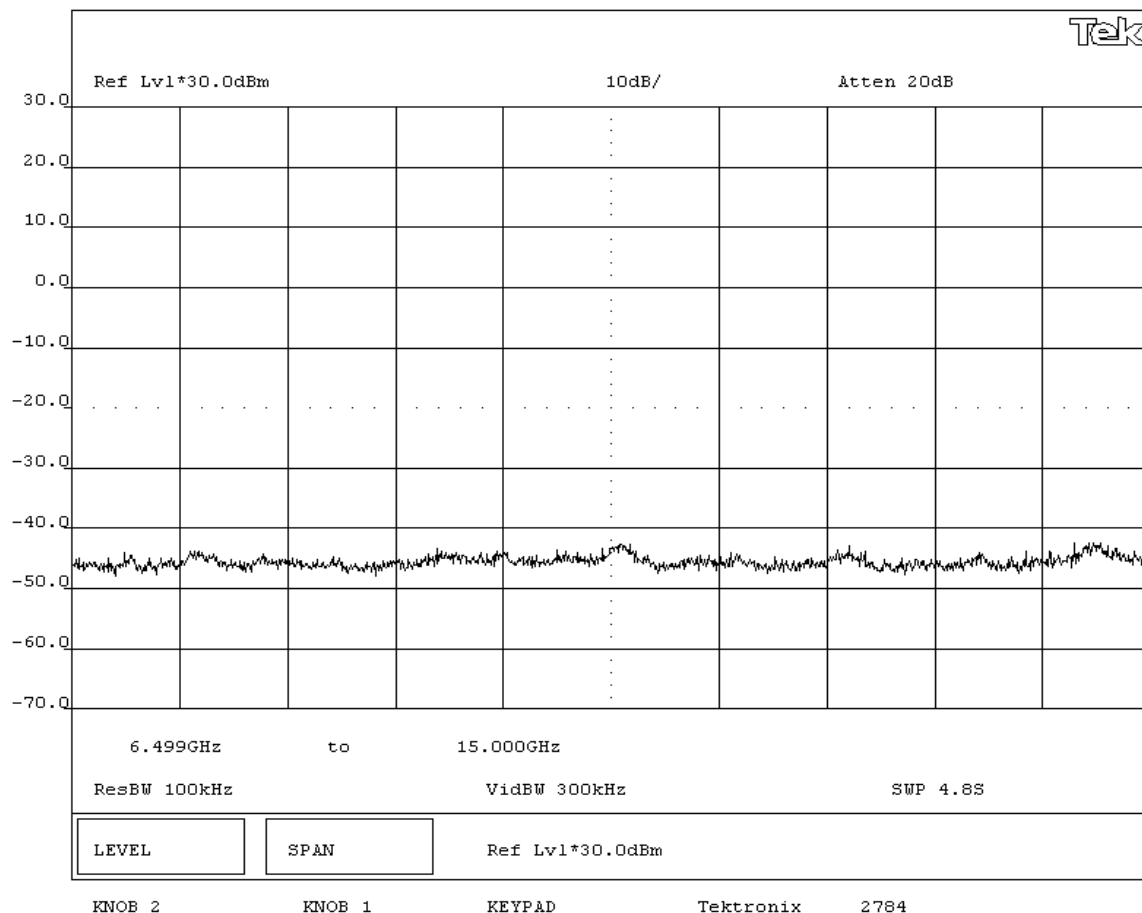
Pass

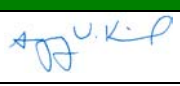
## SIGNATURE

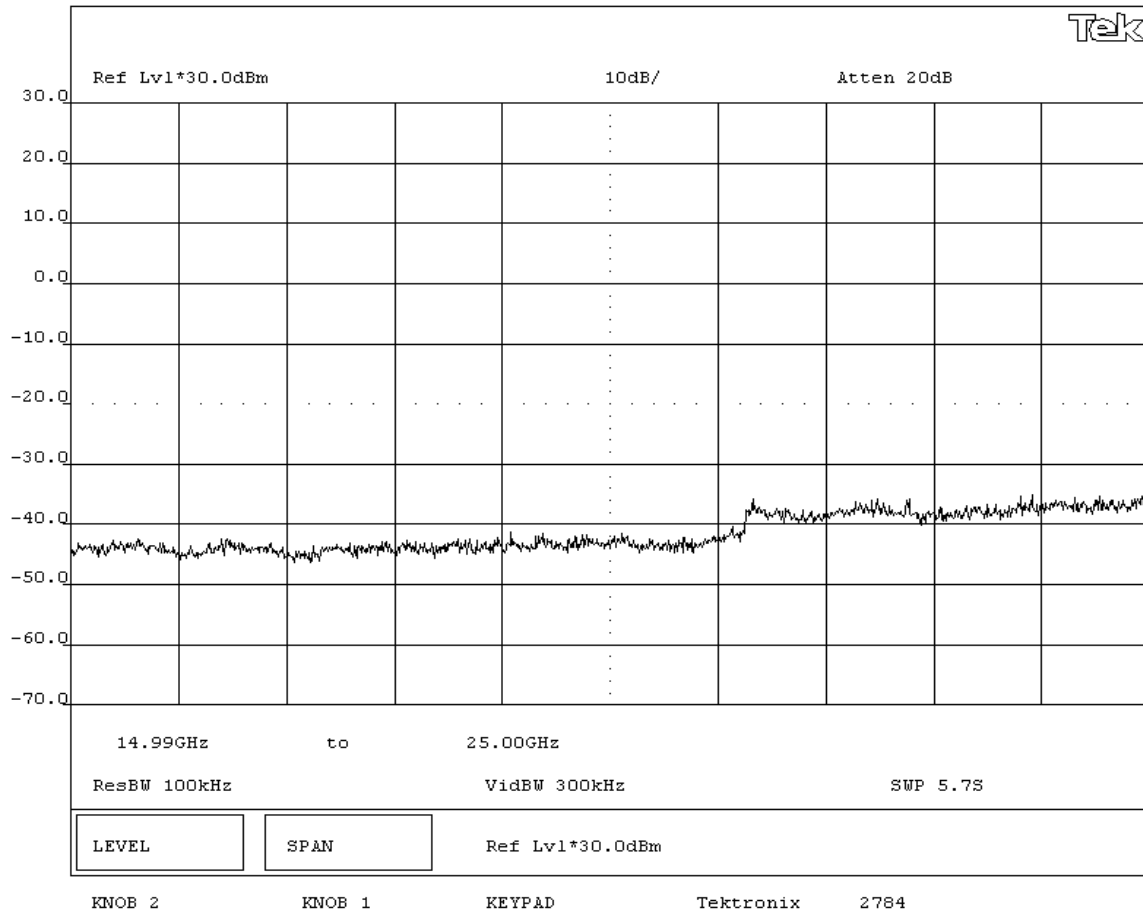
Tested By: 

## DESCRIPTION OF TEST

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



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX4 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
 Tested By: _____					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz</b>					



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005
Serial Number: 32695			Date: 11/03/04
Customer: Idmicro, INC.			Temperature: 68
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX5 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

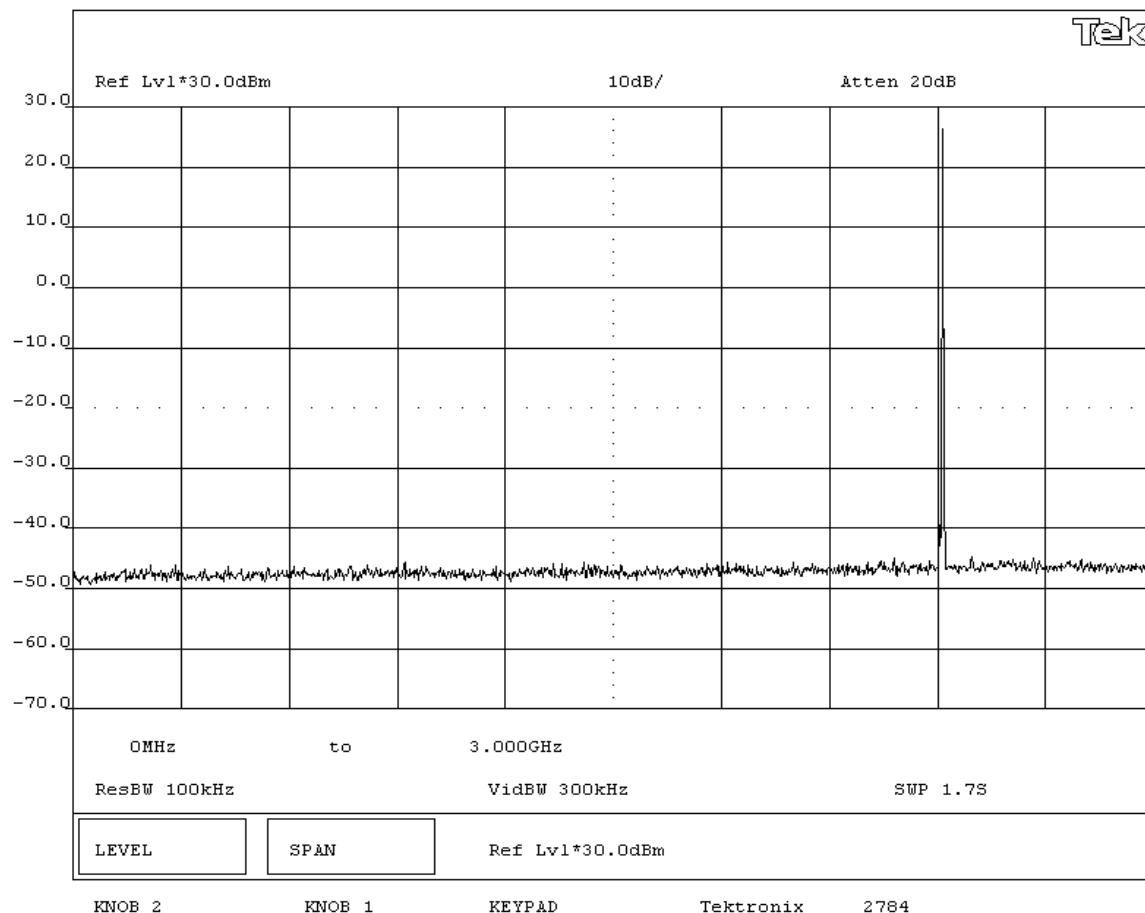
Pass

## SIGNATURE

Tested By: 

## DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz





## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

EXAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX5 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

Pass

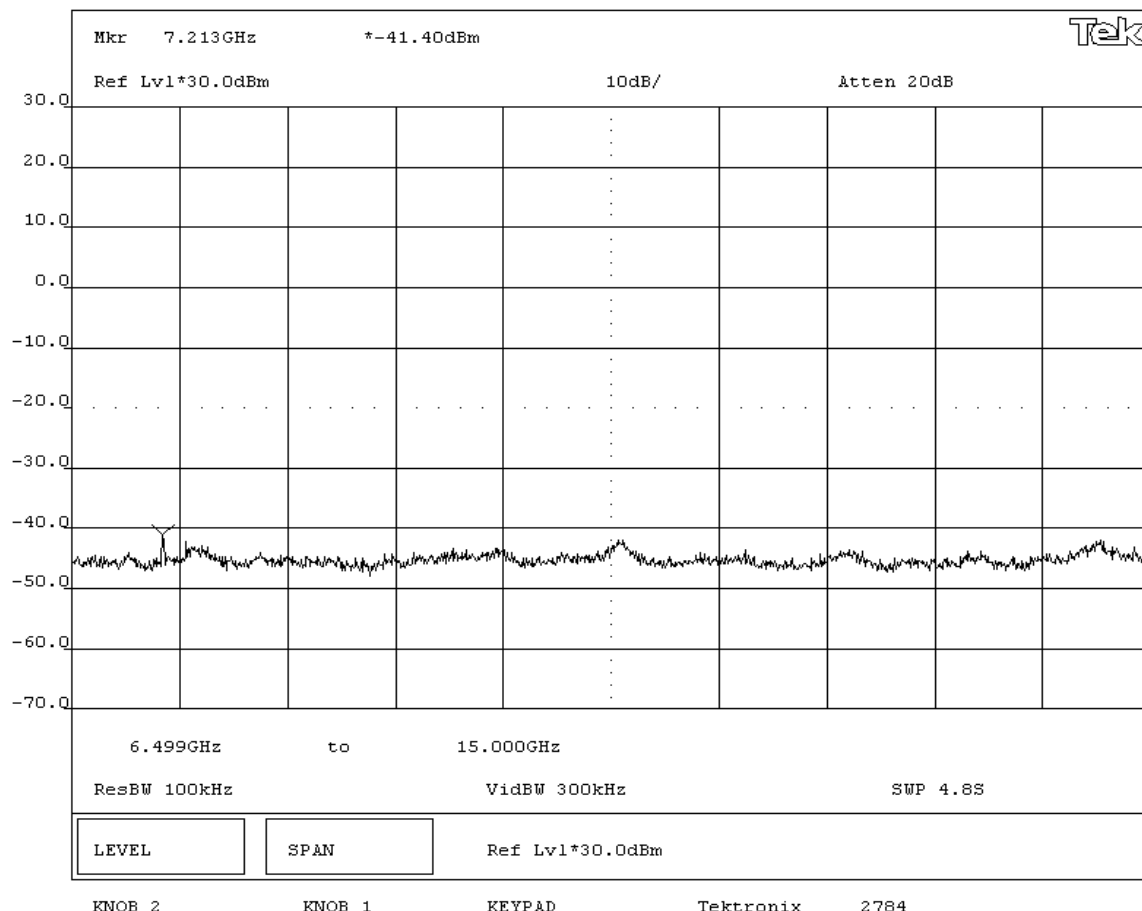
**SIGNATURE**

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: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX5 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

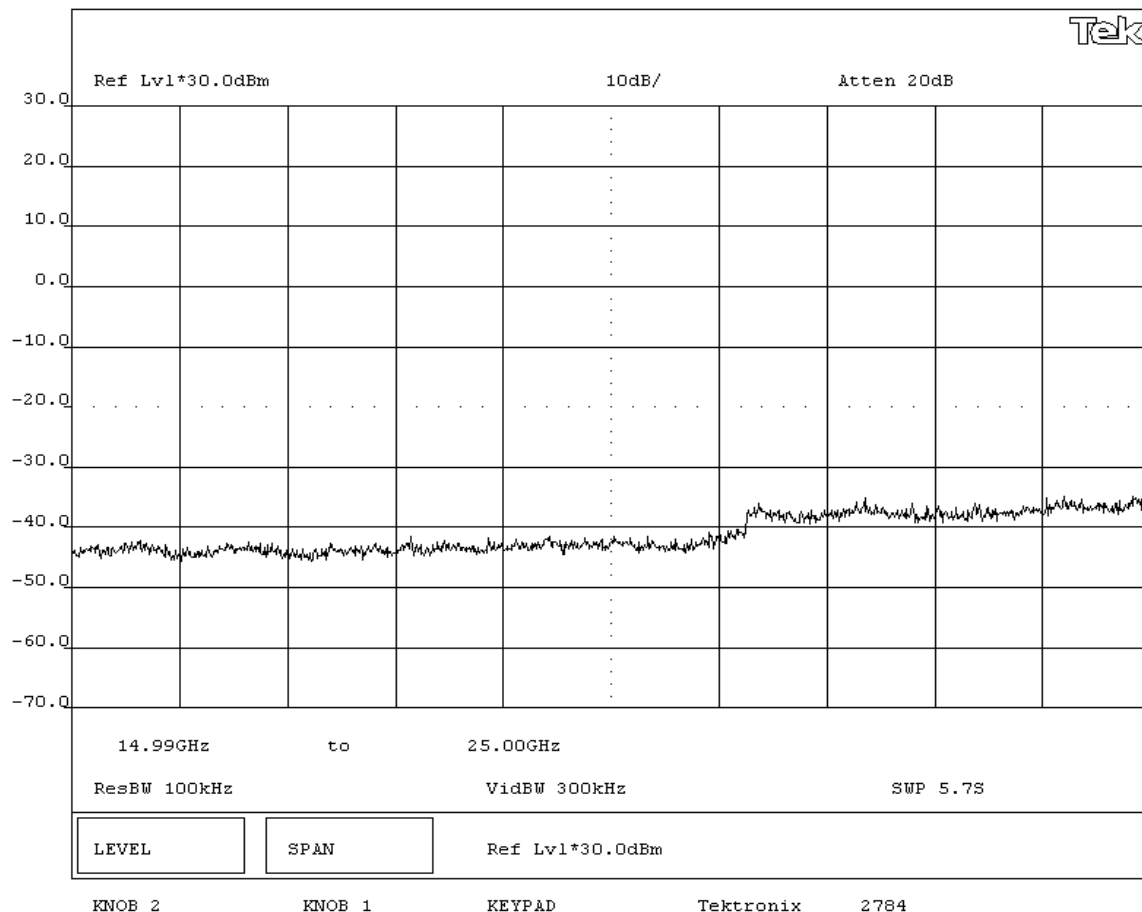
None

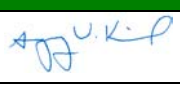
**REQUIREMENTS**

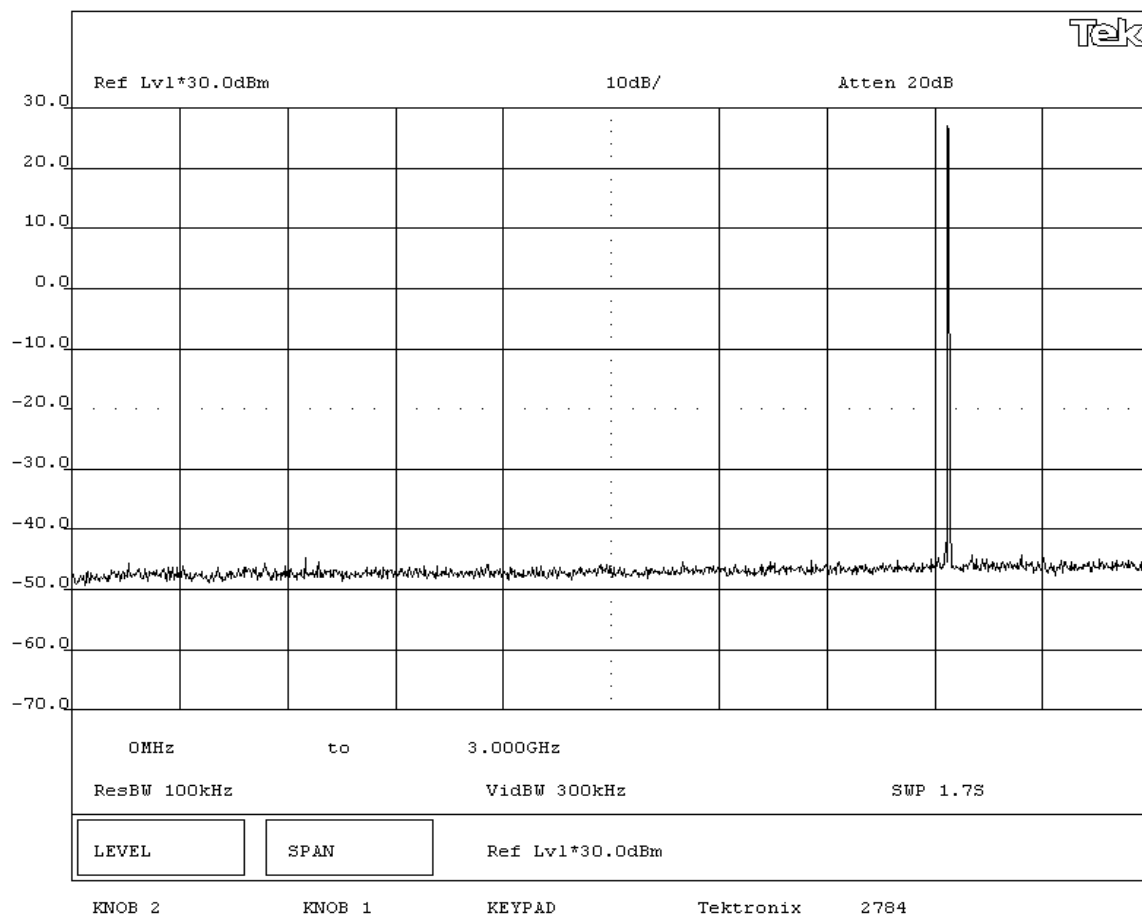
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

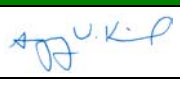
**RESULTS**

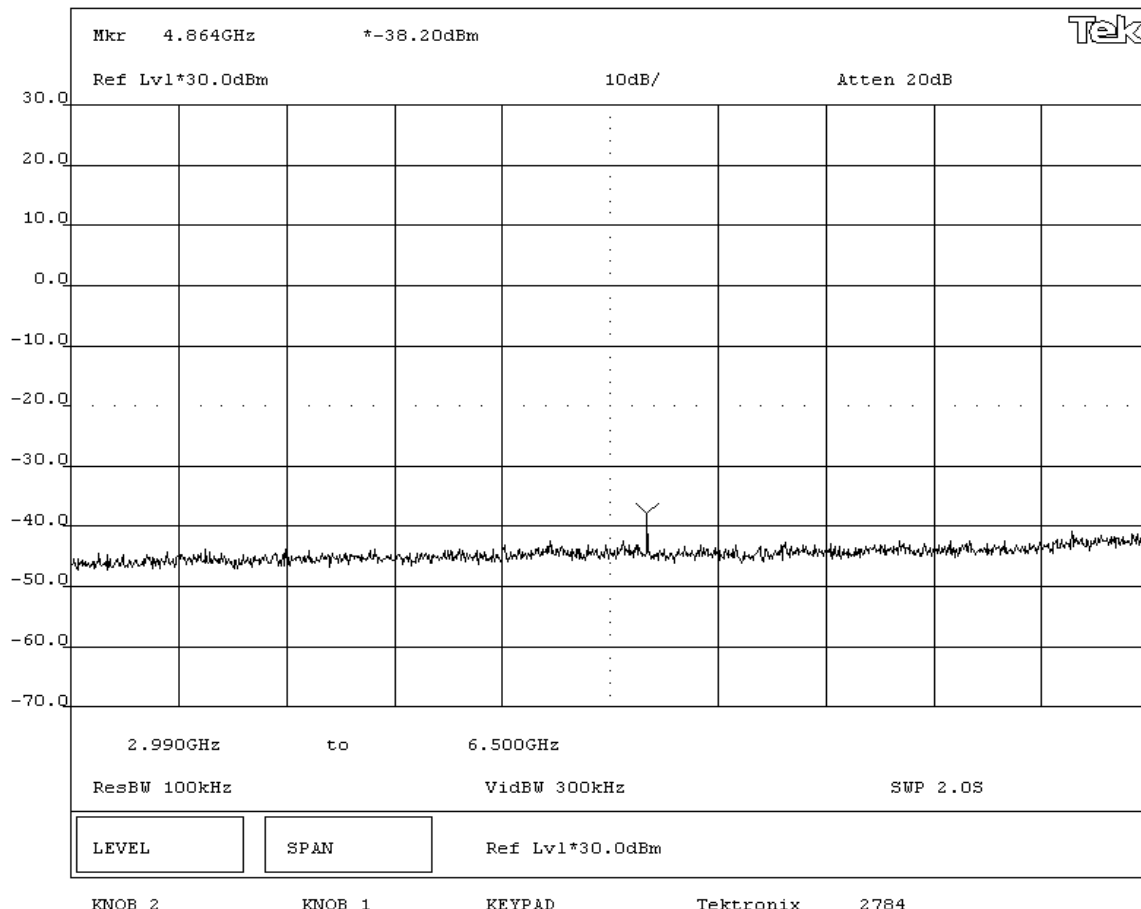
Pass

**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz**

NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX5 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX5 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="display: flex; justify-content: space-between; align-items: center;"> <div>Tested By: _____</div>  </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz</b>					





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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX5 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

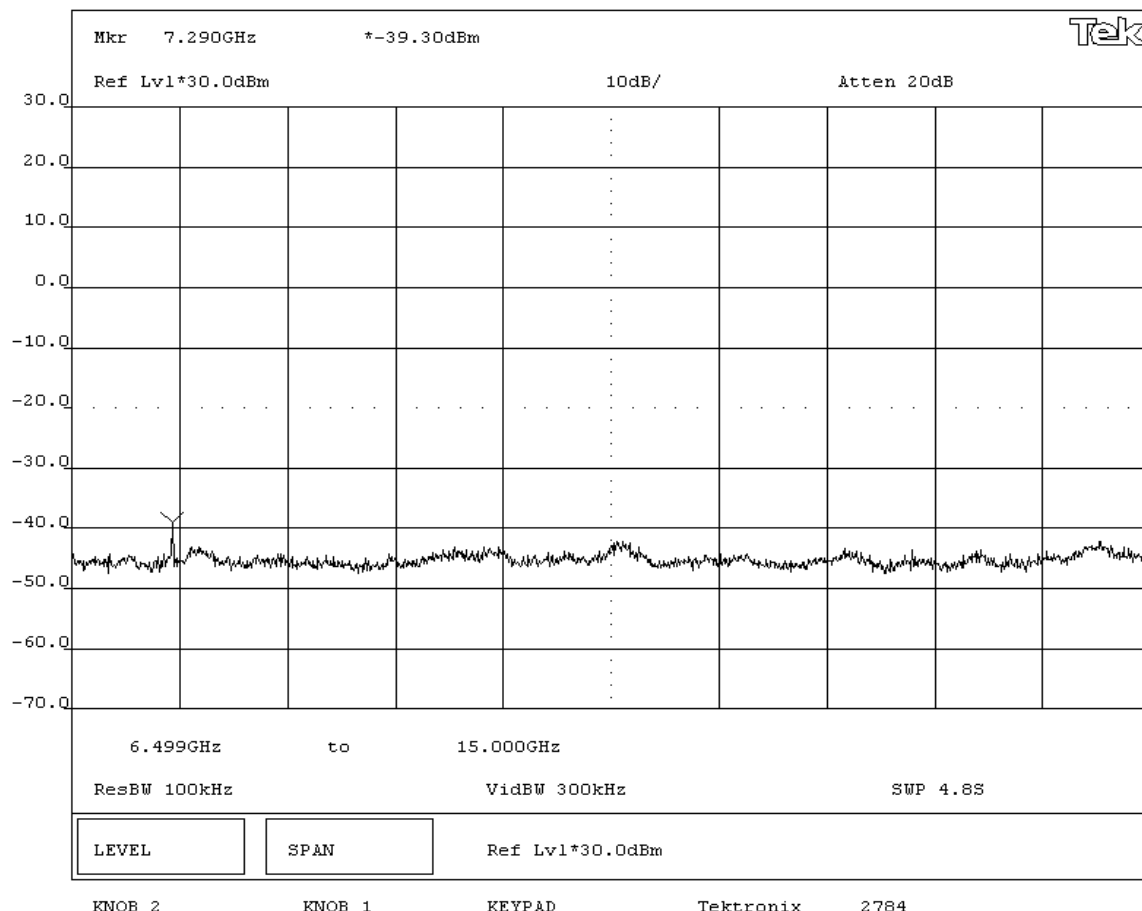
None

**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**

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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX5 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

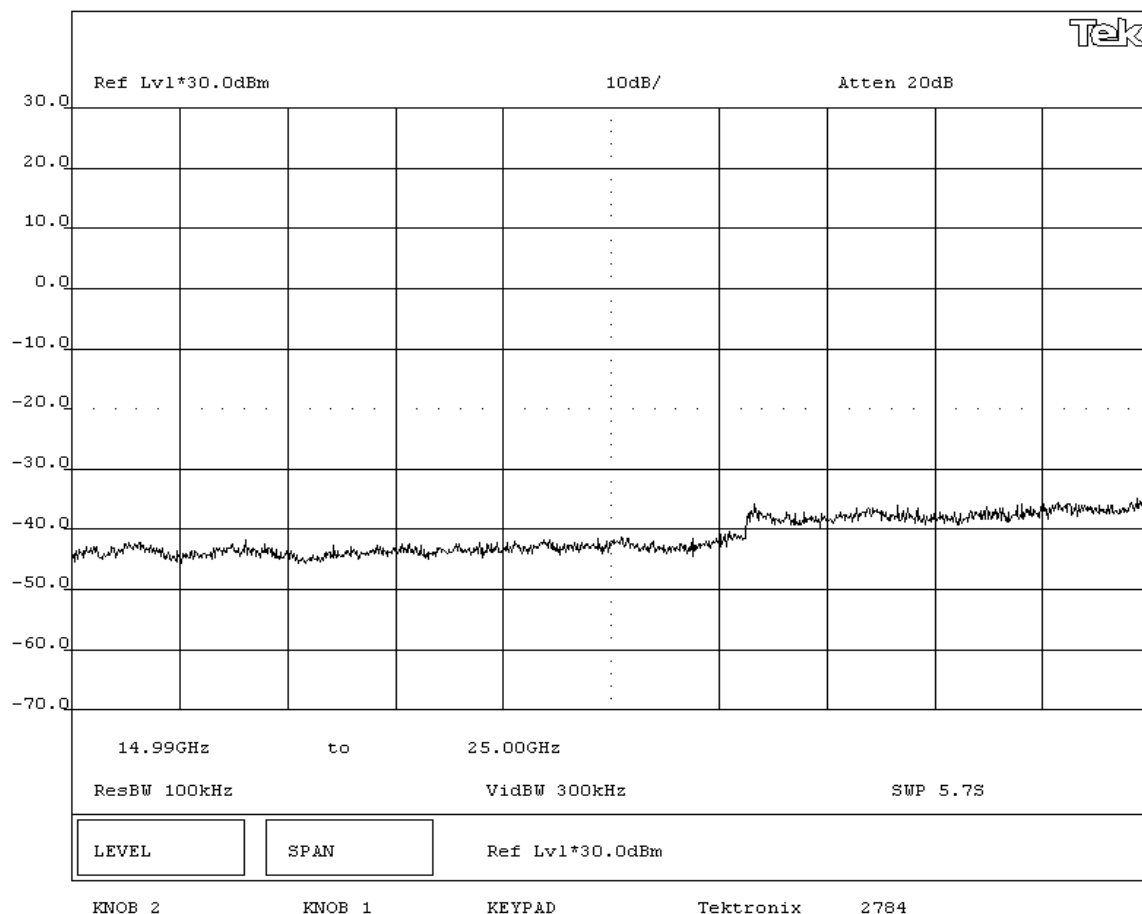
None


**REQUIREMENTS**

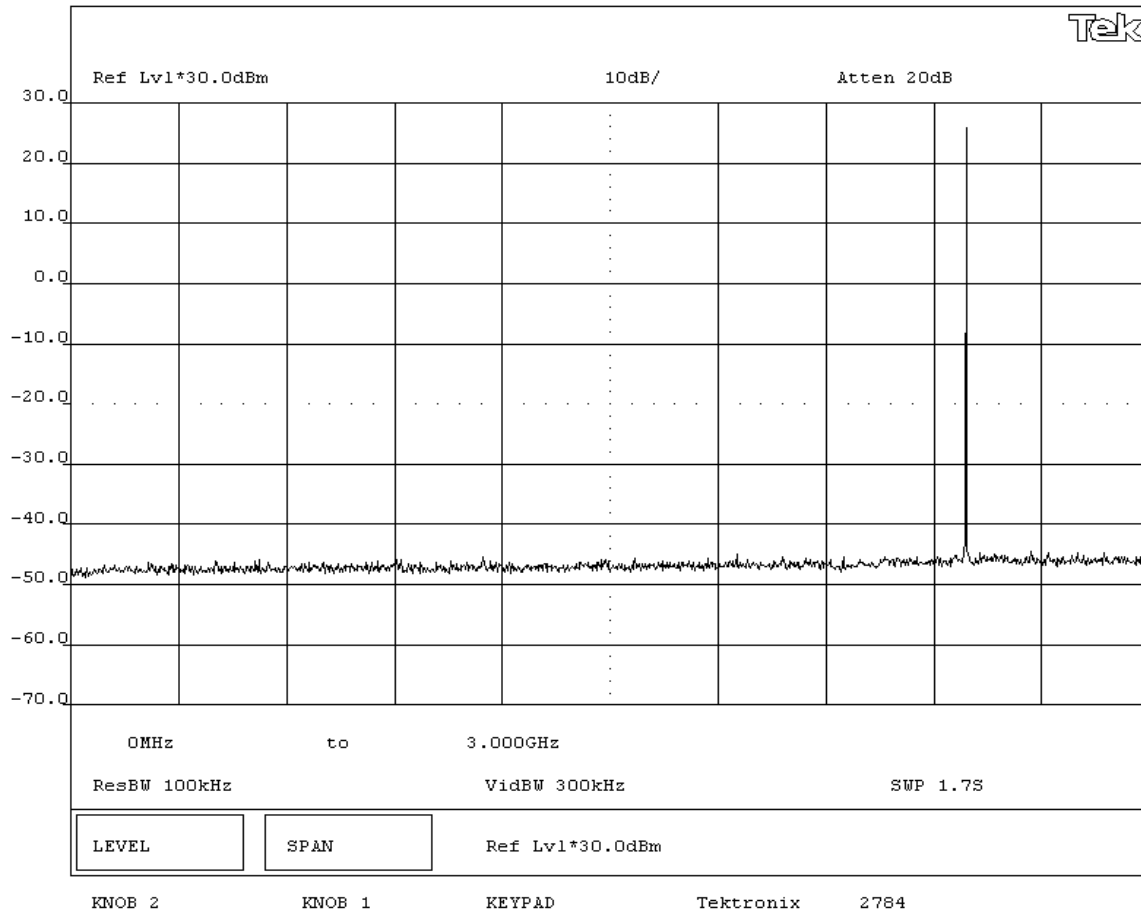
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental


**RESULTS**

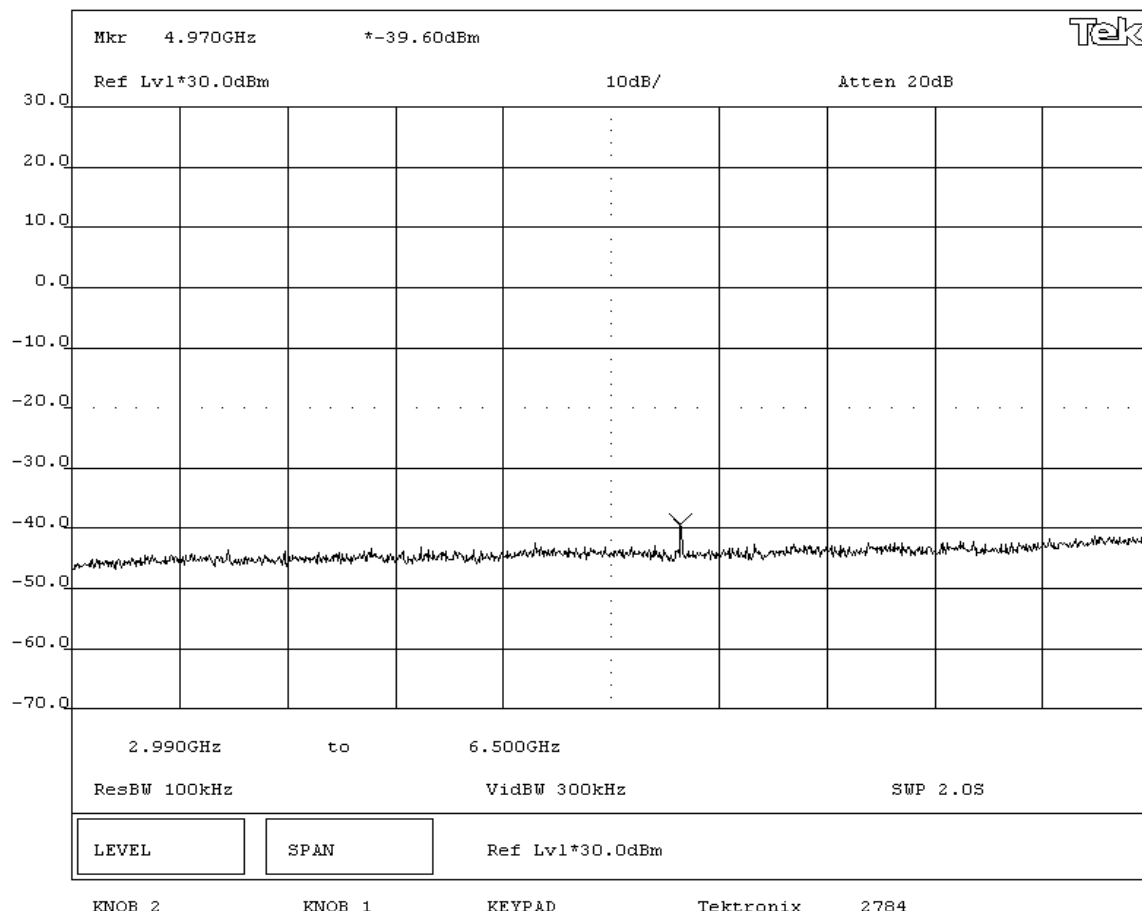
Pass

**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz**

NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX5 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">   Tested By: _____ </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz</b>					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX5 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX5 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

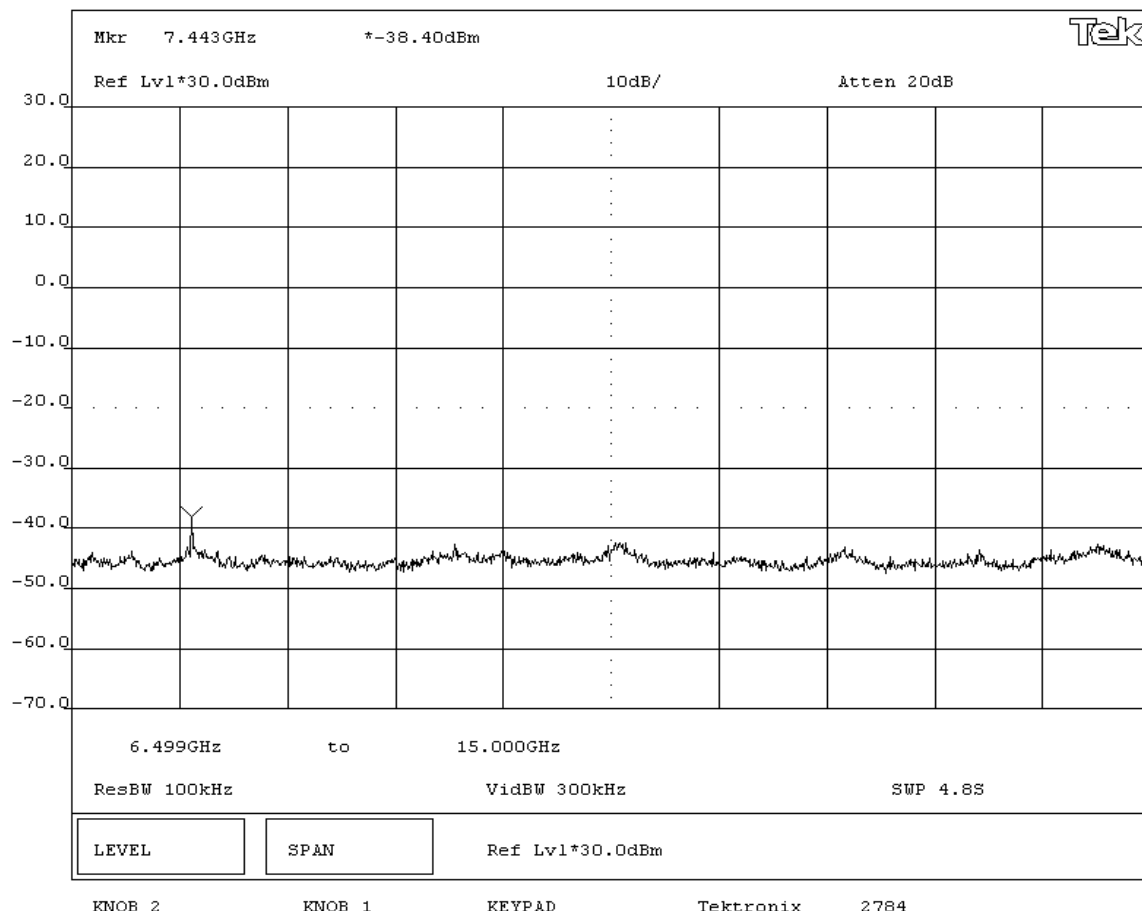
Pass

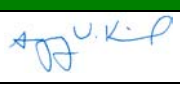
## SIGNATURE

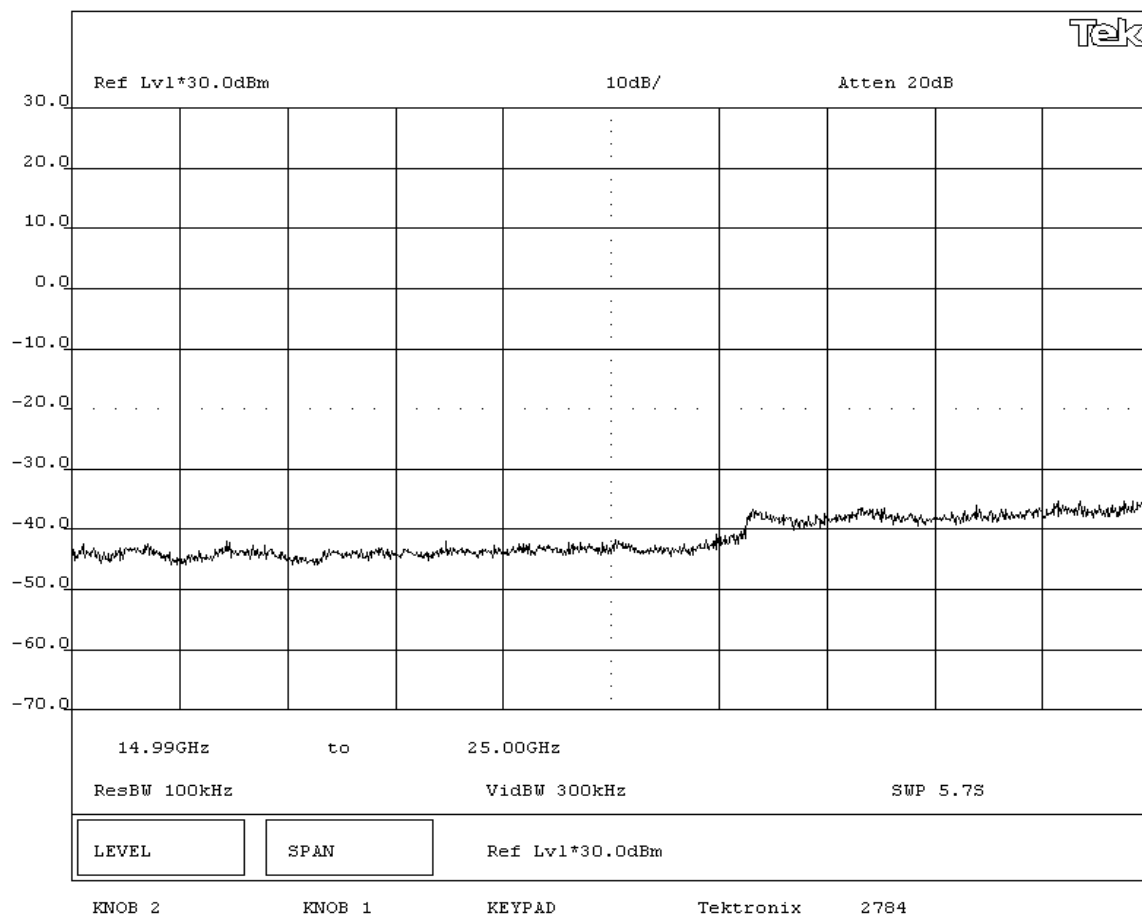
Tested By: 

## DESCRIPTION OF TEST

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



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX5 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
 Tested By: _____					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz</b>					



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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX5 Antenna Port

**EUT OPERATING MODES**

Forward link (DSSS mode)

**DEVIATIONS FROM TEST STANDARD**

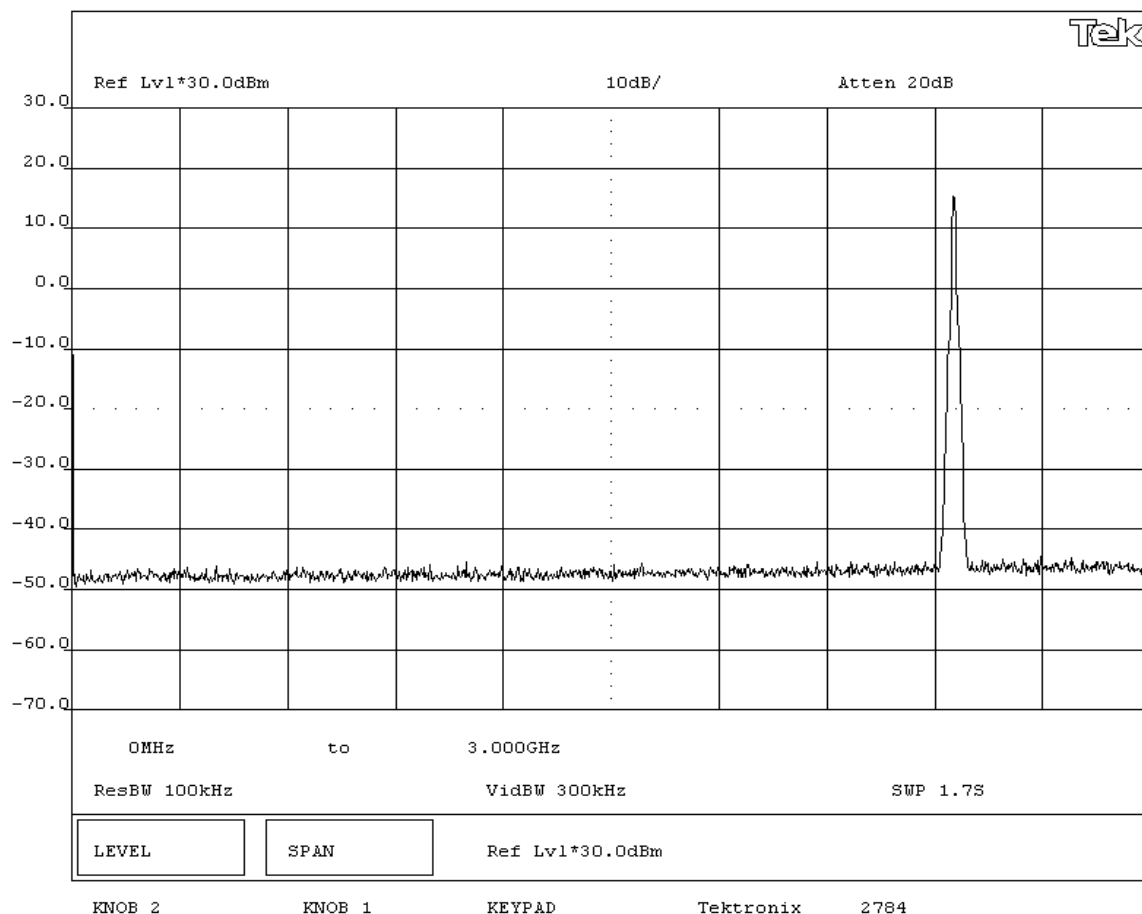
None

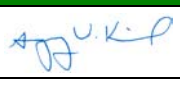
**REQUIREMENTS**

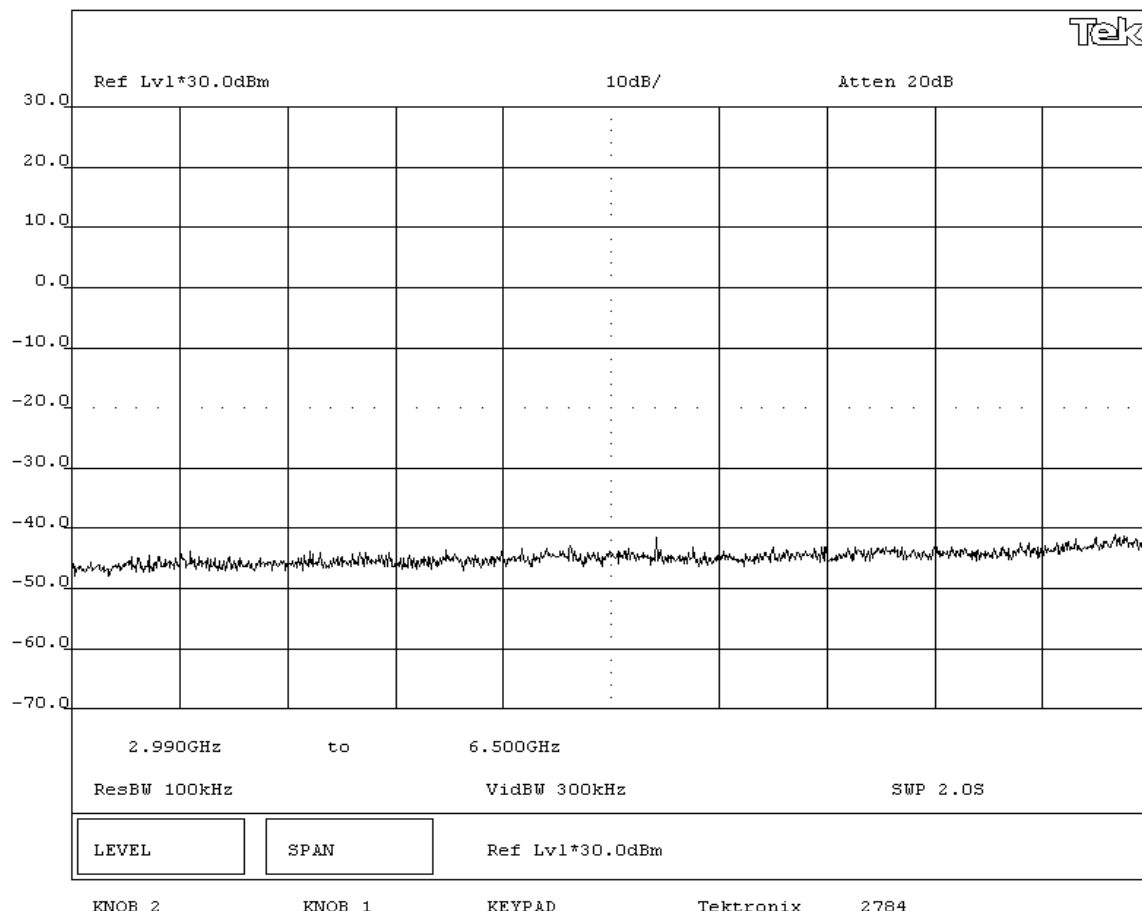
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

**RESULTS**

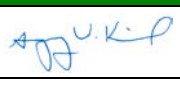
Pass

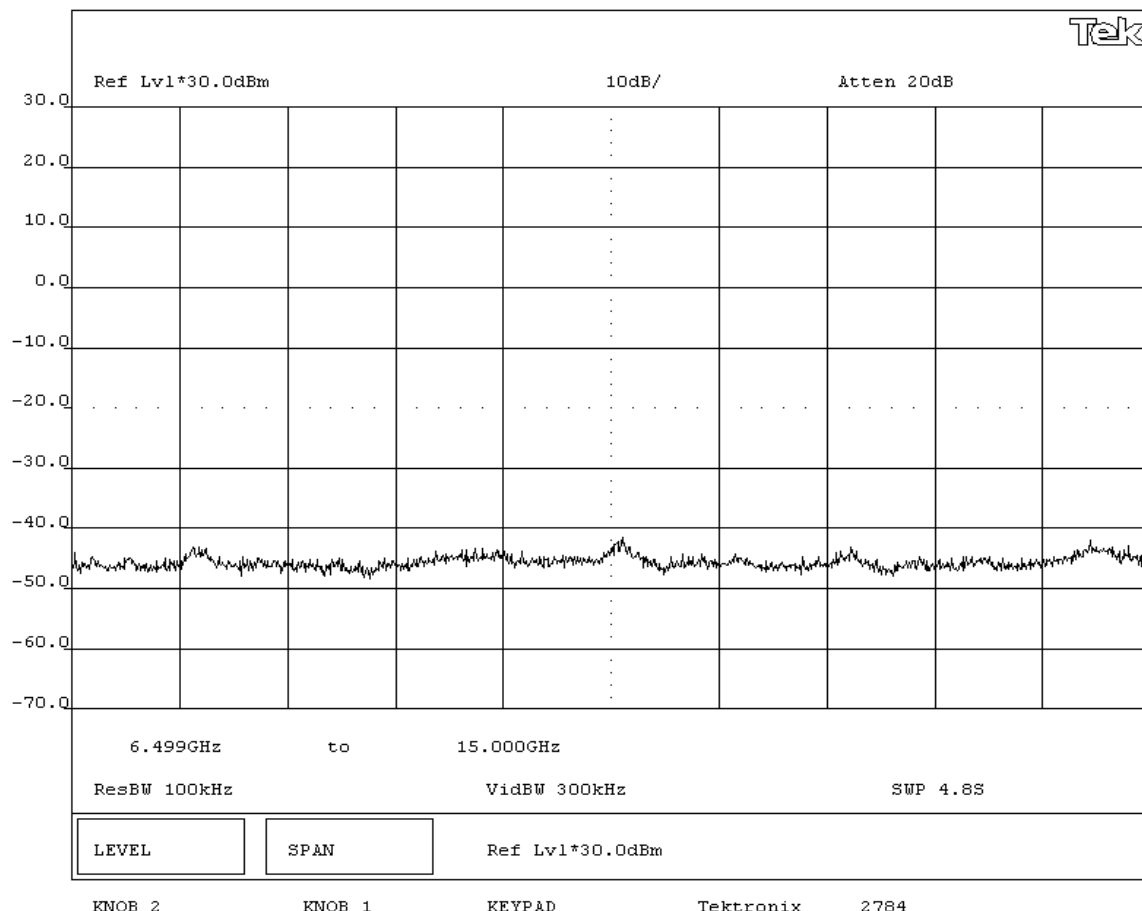
**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz**

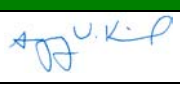
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX5 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz</b>					

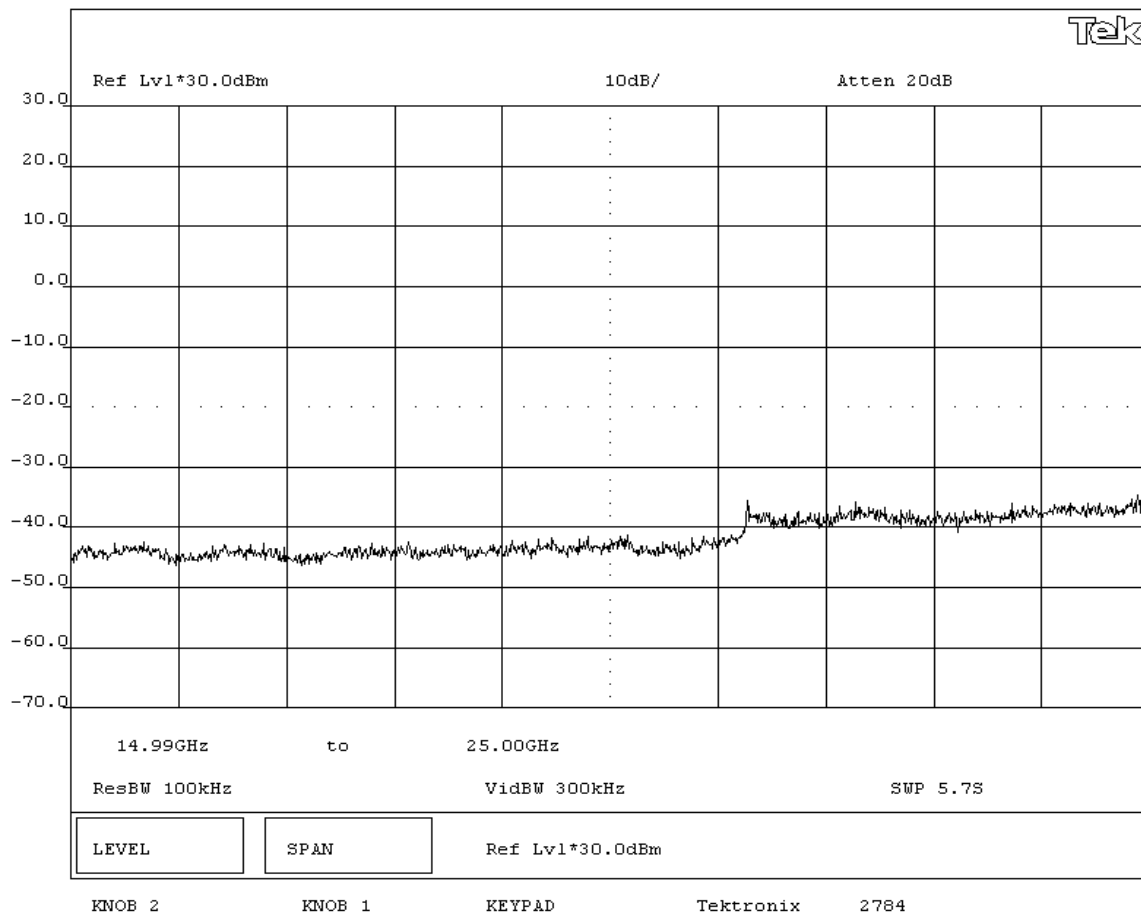




NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX5 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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 6.5GHz-15GHz					



NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX5 Antenna Port					
<b>EUT OPERATING MODES</b>					
Forward link (DSSS mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
 Tested By: _____					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz</b>					



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader	Work Order:	IDMI0005
Serial Number:	32695	Date:	11/03/04
Customer:	Idmicro, INC.	Temperature:	68
Attendees:	Tom Kearns	Tested by:	Greg Kiemel
Customer Ref. No.:	N/A	Power:	120VAC/60Hz
		Humidity:	40%
		Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX6 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

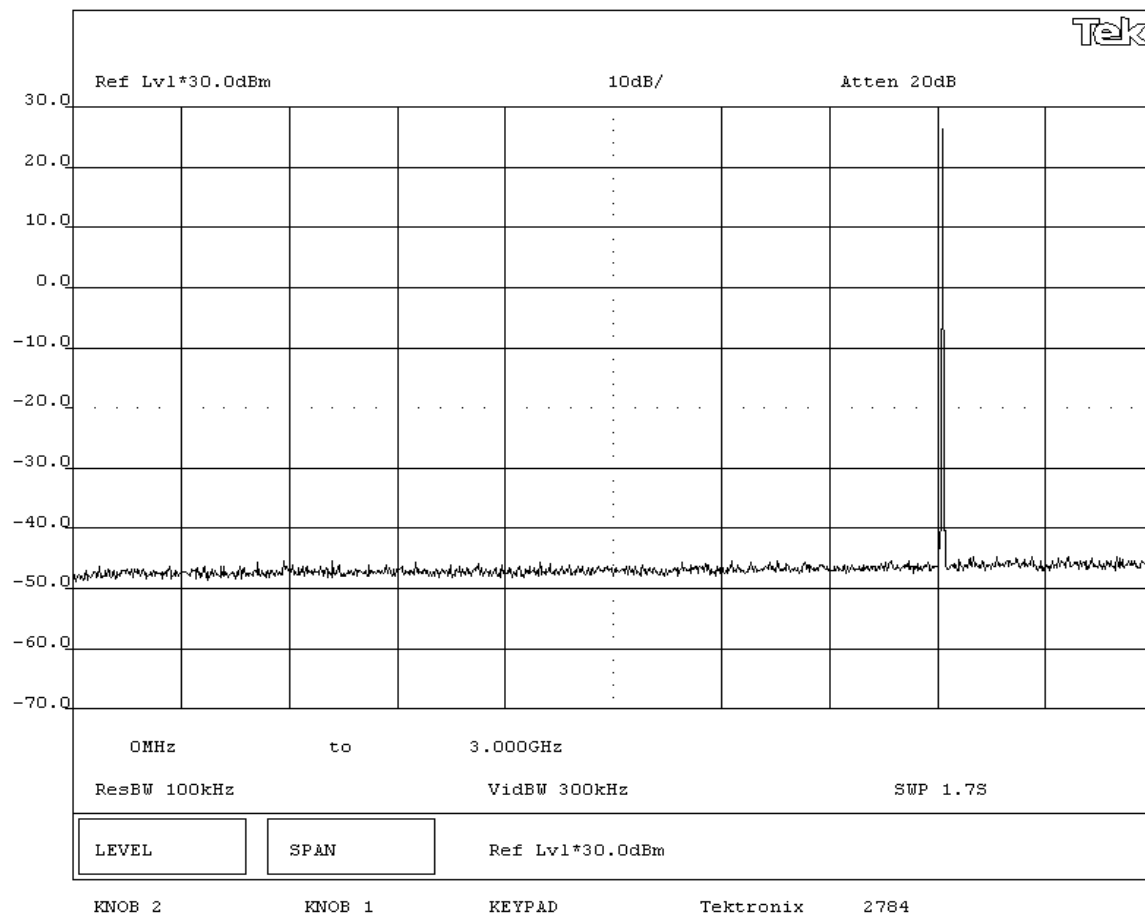
Pass

## SIGNATURE

Tested By: 

## DESCRIPTION OF TEST

Antenna Conducted Spurious Emissions - Low Channel 0MHz-3GHz



## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

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## COMMENTS

COMMENTS	
Measurement made at TX6 Antenna Port	

## EUT OPERATING MODES

Return link (no hop mode)

## DEVIATIONS FROM TEST STANDARD

None
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## REQUIREMENTS

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

## RESULTS

Pass

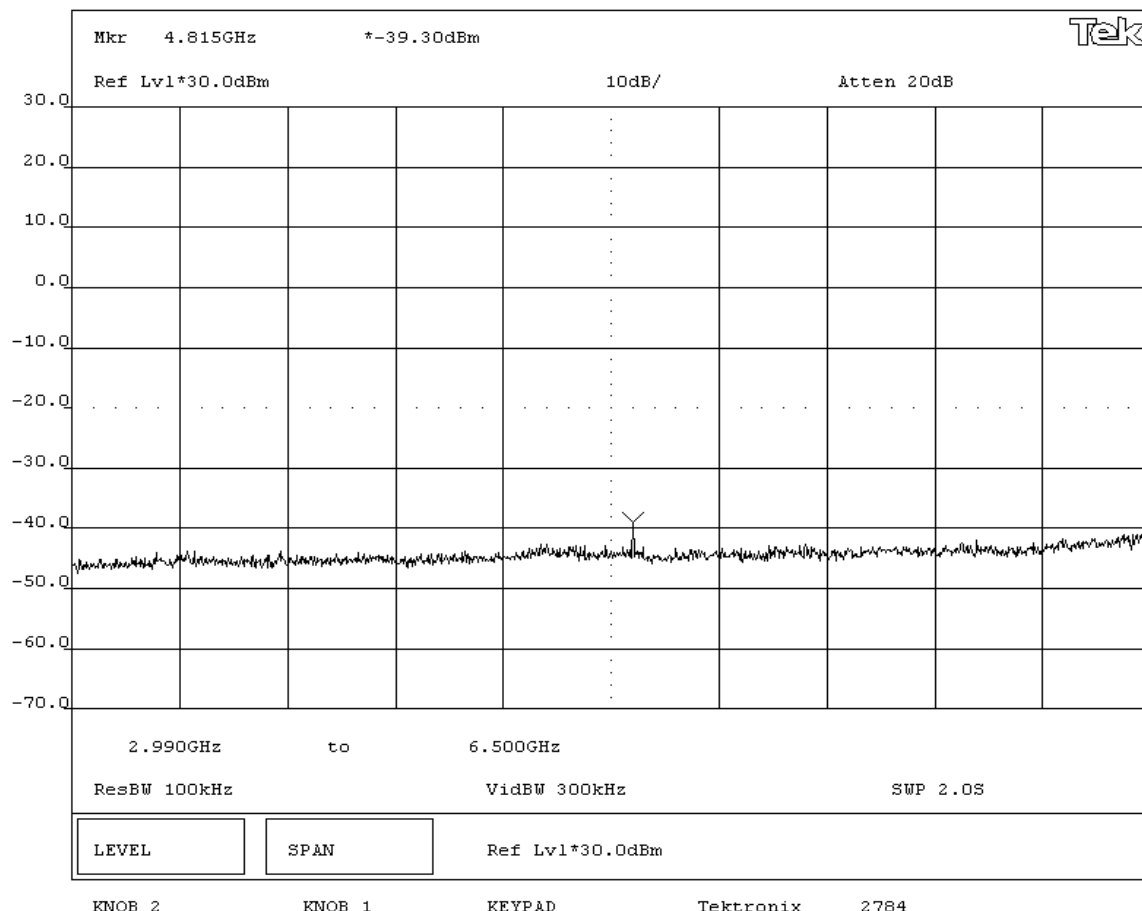
**SIGNATURE**

SIGNATURE

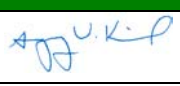
Tested By: 

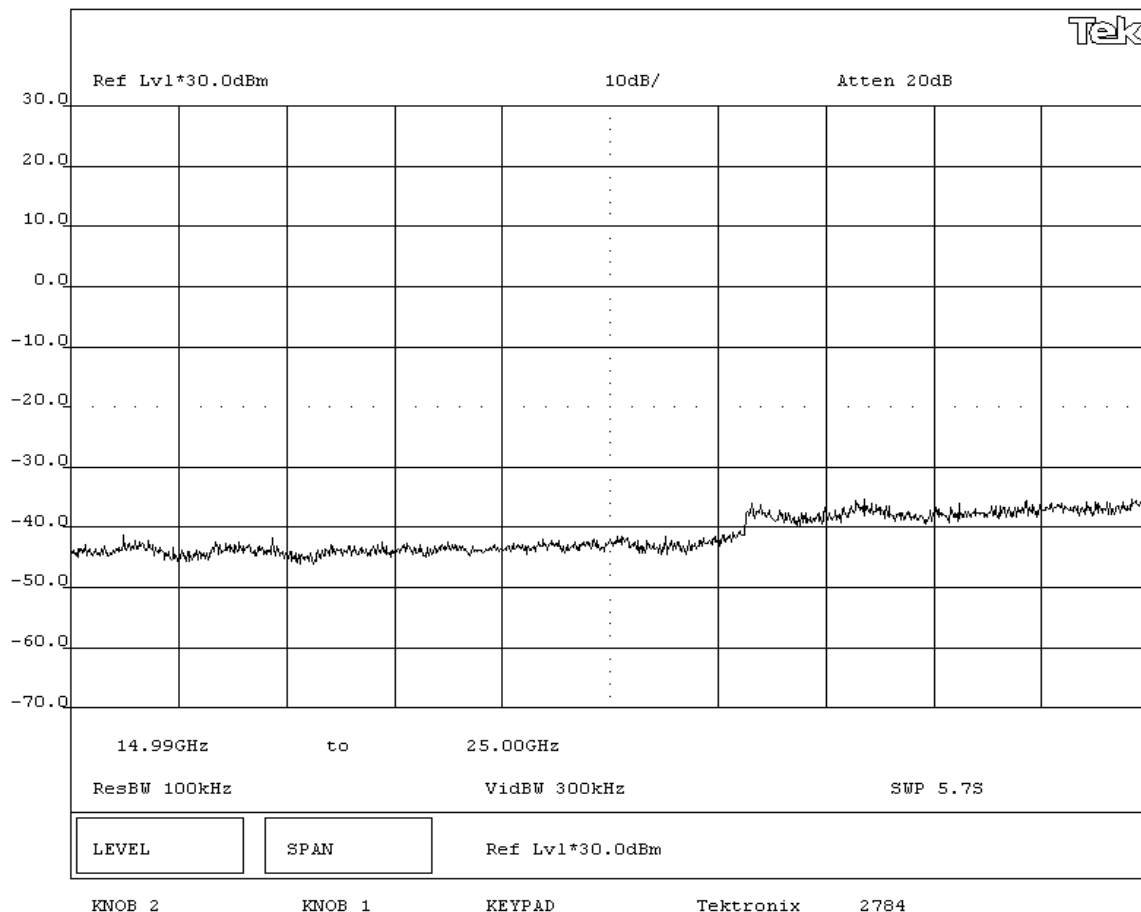
### DESCRIPTION OF TEST

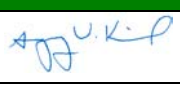
### Antenna Conducted Spurious Emissions - Low Channel 3GHz-6.5GHz

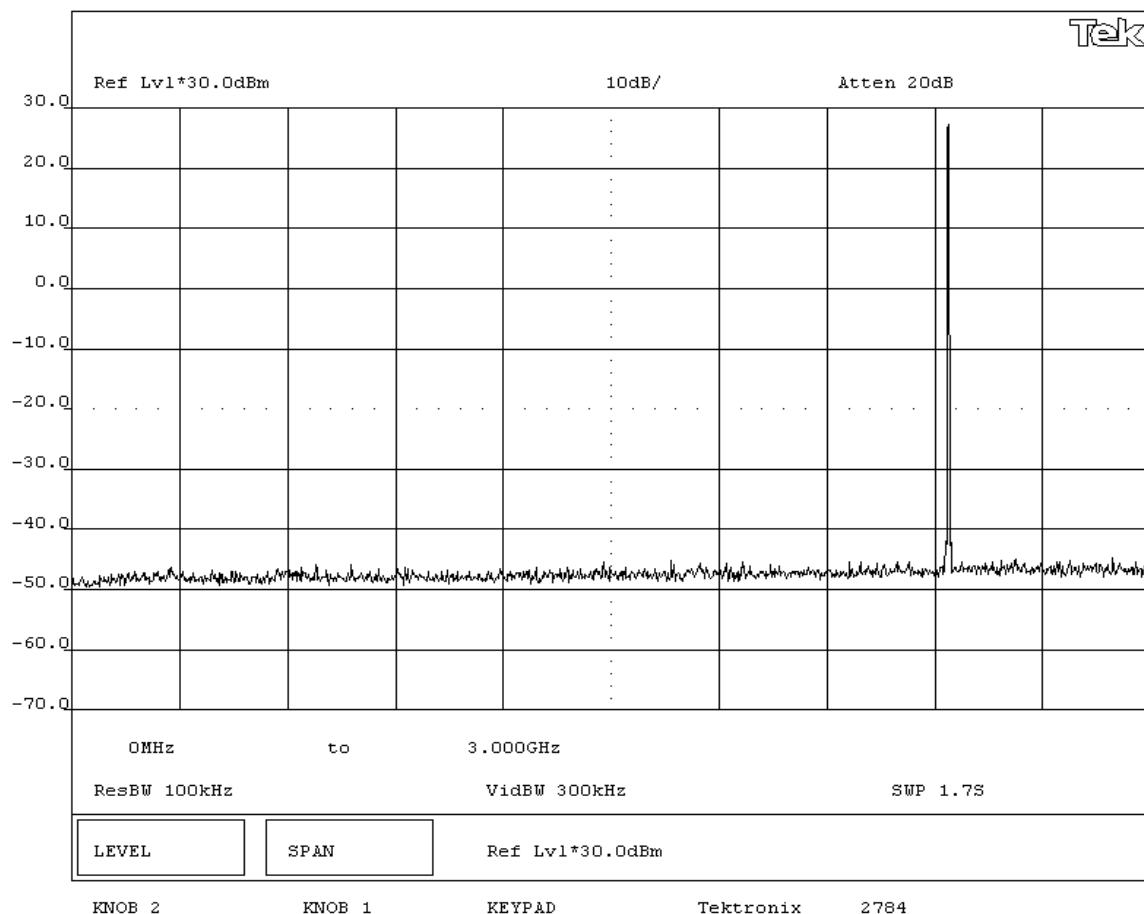





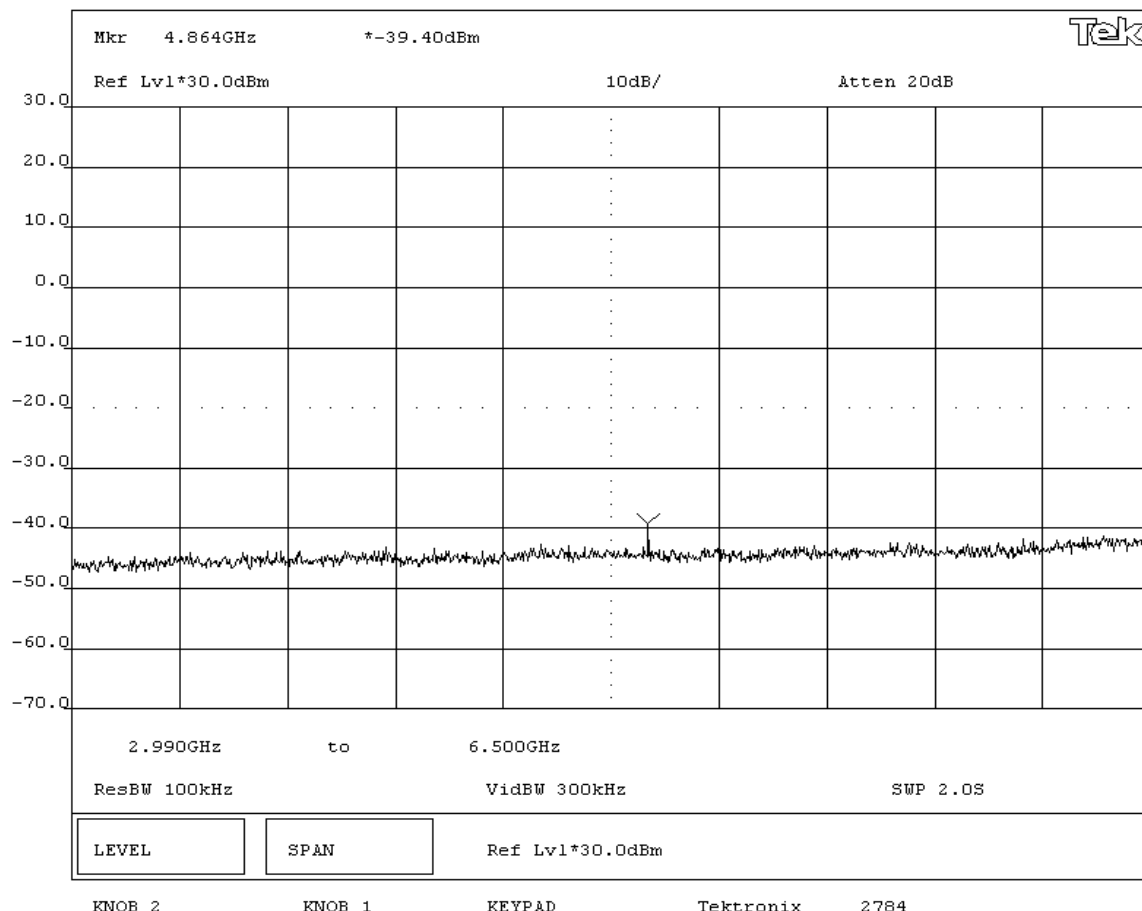
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX6 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz</b>					




NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX6 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
<div style="text-align: center;">             Tested By: _____         </div>					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - Mid Channel 0MHz-3GHz</b>					

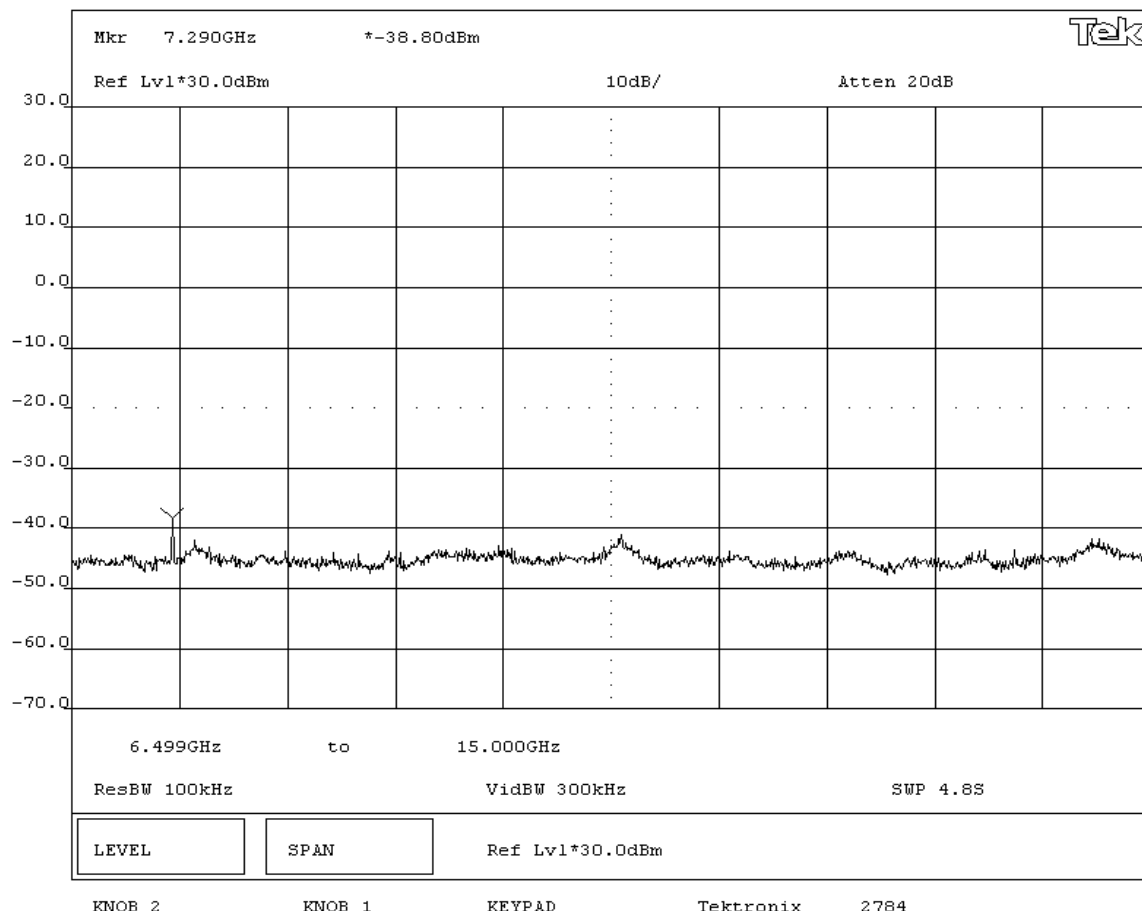


NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX6 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					





NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX6 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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					



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

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

**TEST SPECIFICATIONS**

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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**SAMPLE CALCULATIONS****COMMENTS**

Measurement made at TX6 Antenna Port

**EUT OPERATING MODES**

Return link (no hop mode)

**DEVIATIONS FROM TEST STANDARD**

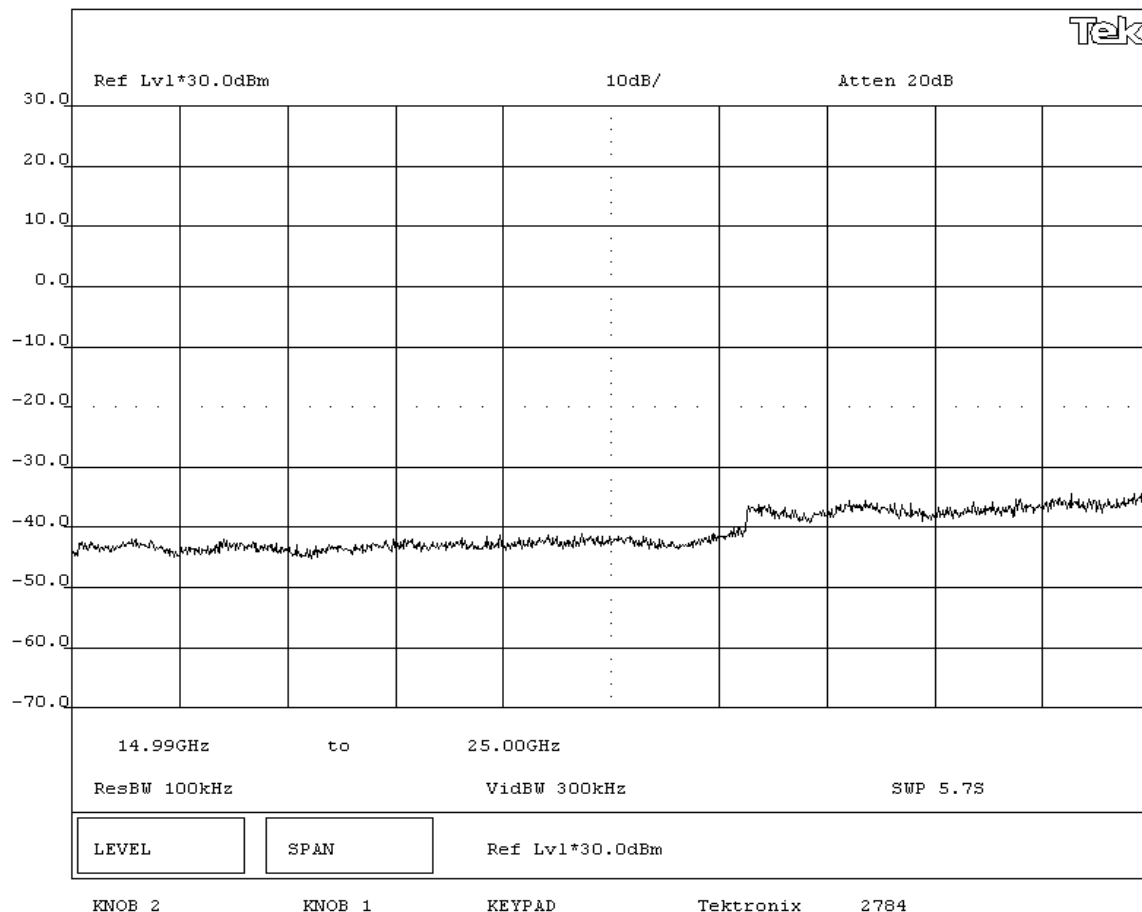
None


**REQUIREMENTS**

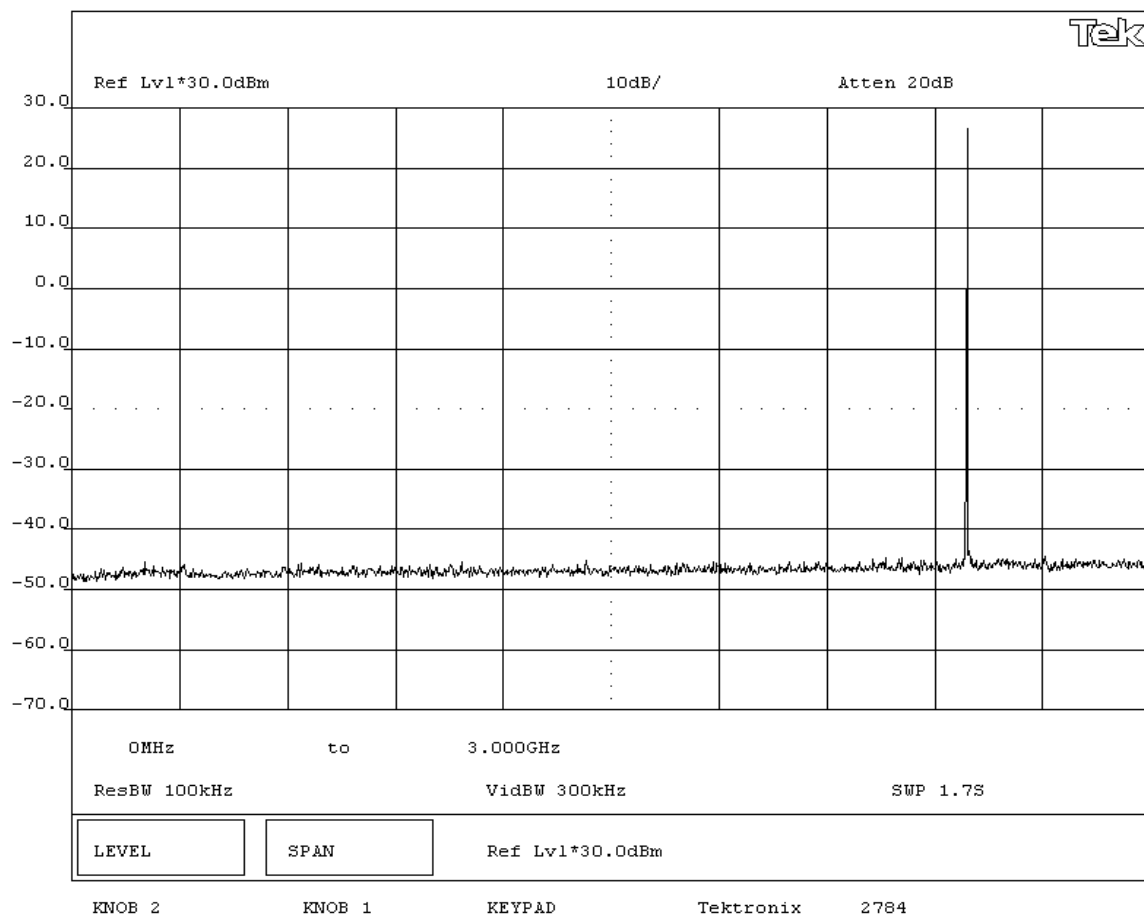
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

**RESULTS**

Pass

**SIGNATURE**Tested By: **DESCRIPTION OF TEST****Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz**

NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
<b>TEST SPECIFICATIONS</b>					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
<b>SAMPLE CALCULATIONS</b>					
<b>COMMENTS</b>					
Measurement made at TX6 Antenna Port					
<b>EUT OPERATING MODES</b>					
Return link (no hop mode)					
<b>DEVIATIONS FROM TEST STANDARD</b>					
None					
<b>REQUIREMENTS</b>					
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental					
<b>RESULTS</b>					
Pass					
<b>SIGNATURE</b>					
 Tested By: _____					
<b>DESCRIPTION OF TEST</b>					
<b>Antenna Conducted Spurious Emissions - High Channel 0MHz-3GHz</b>					



# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/03/04	
Customer:	Idmicro, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

EXAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX6 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

Pass

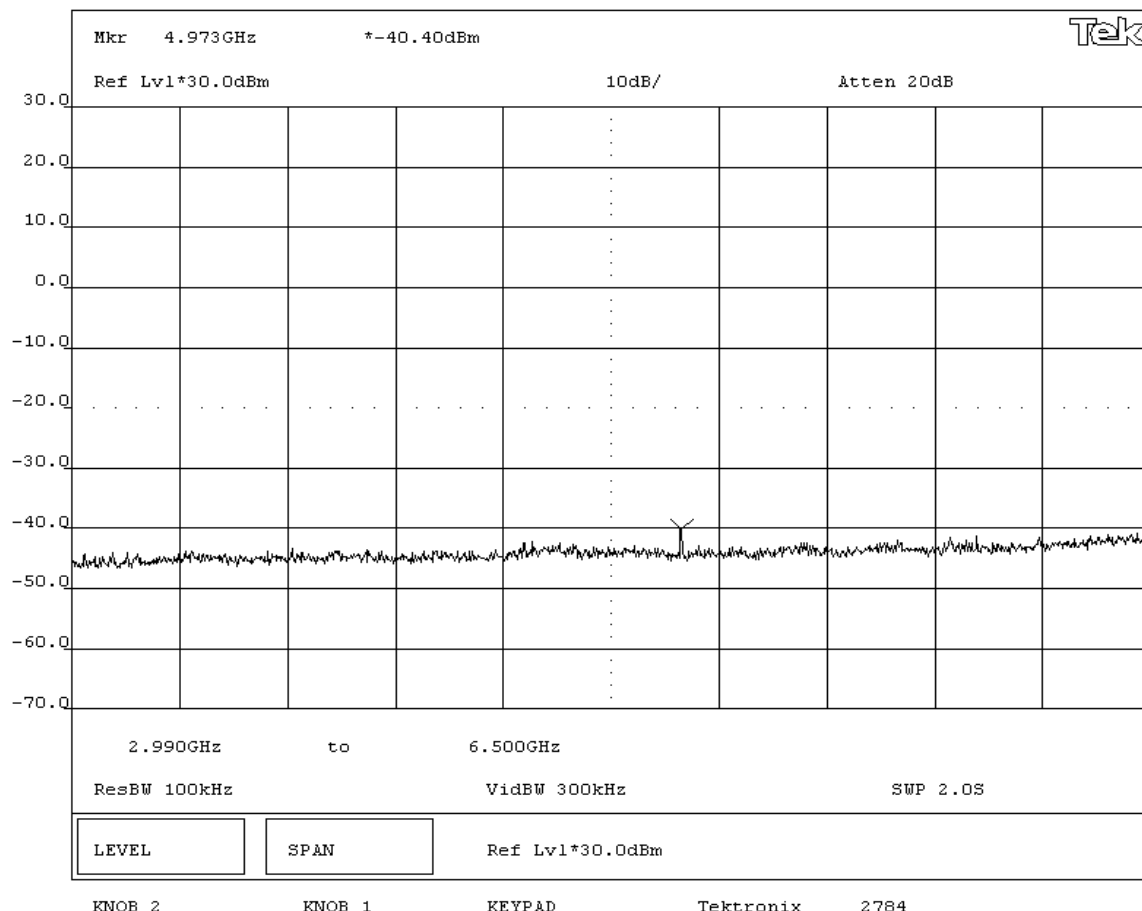
**SIGNATURE**

SIGNATURE

Tested By: 

### DESCRIPTION OF TEST

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



NORTHWEST  
EMC

## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/03/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX6 Antenna Port

## EUT OPERATING MODES

Return link (no hop mode)

## 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

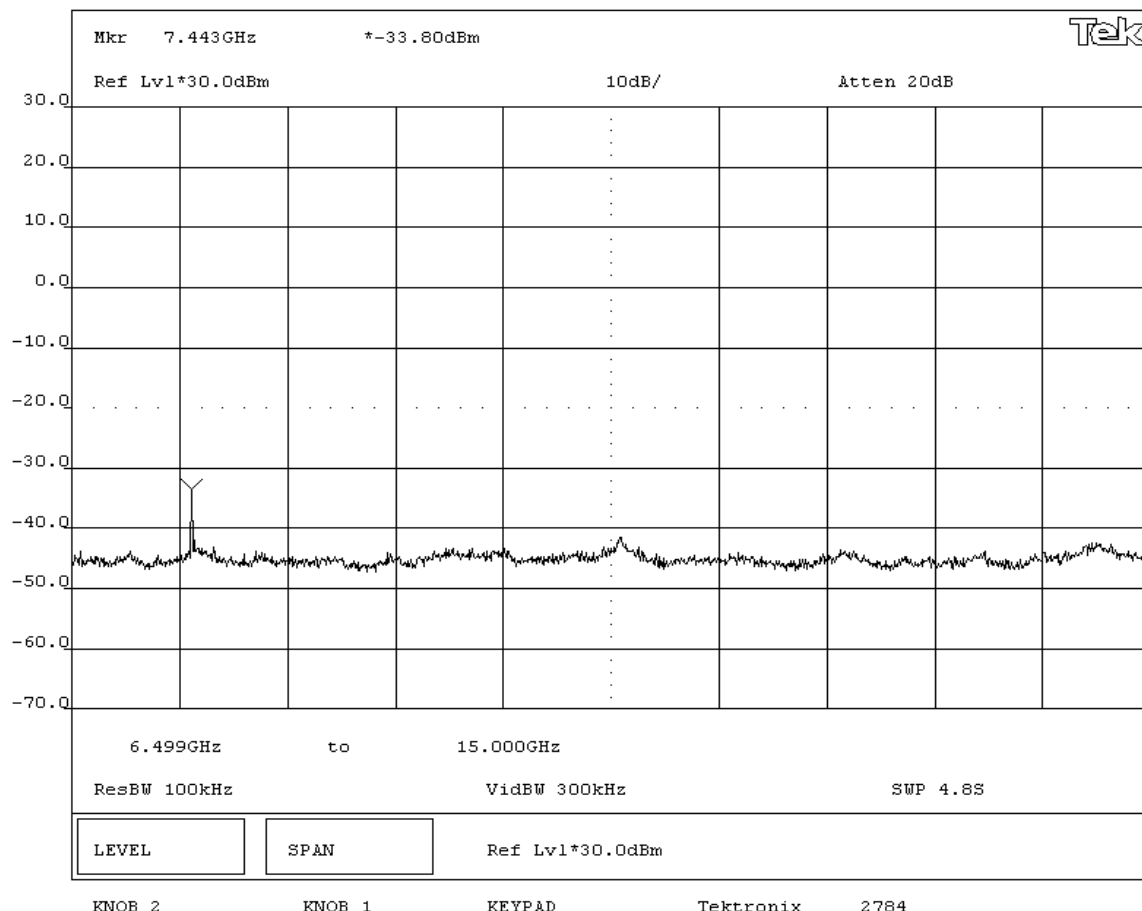
Pass


## SIGNATURE

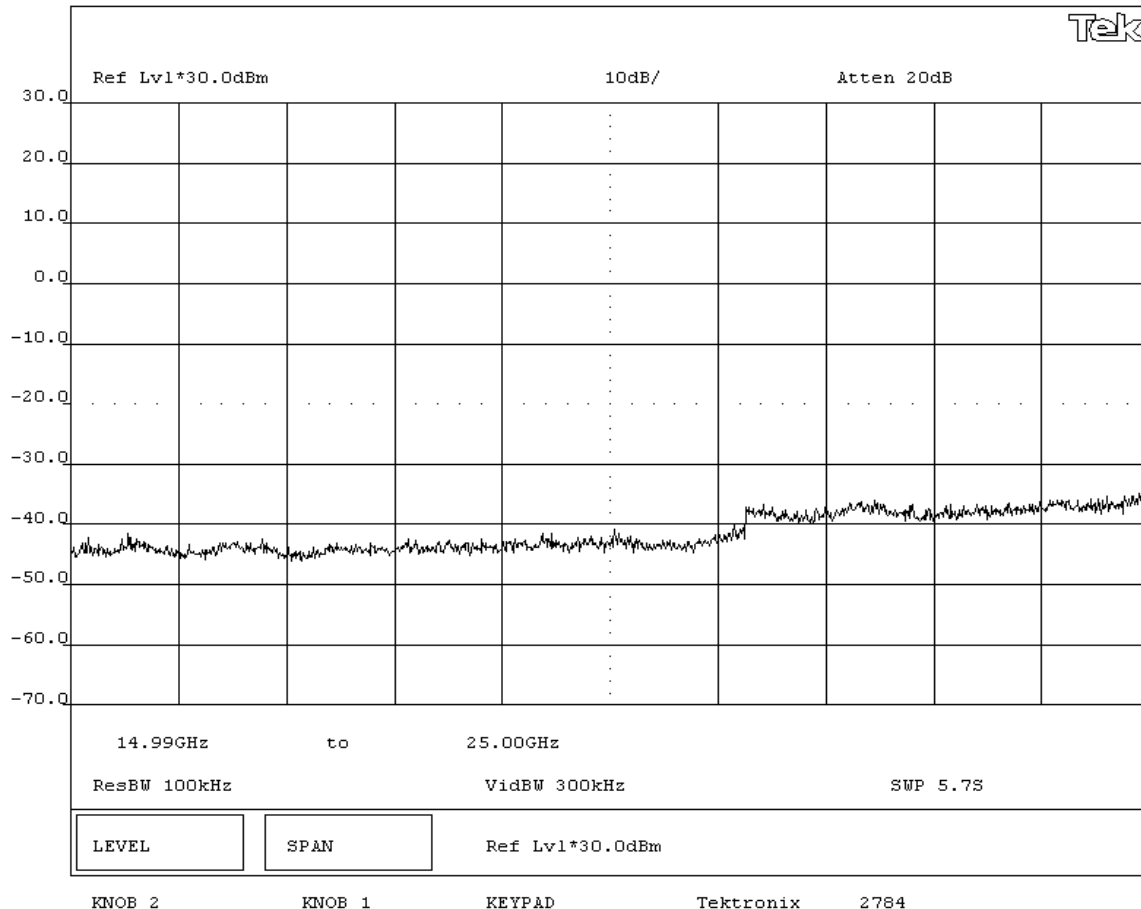
Tested By: 

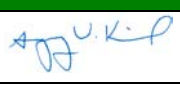
## DESCRIPTION OF TEST

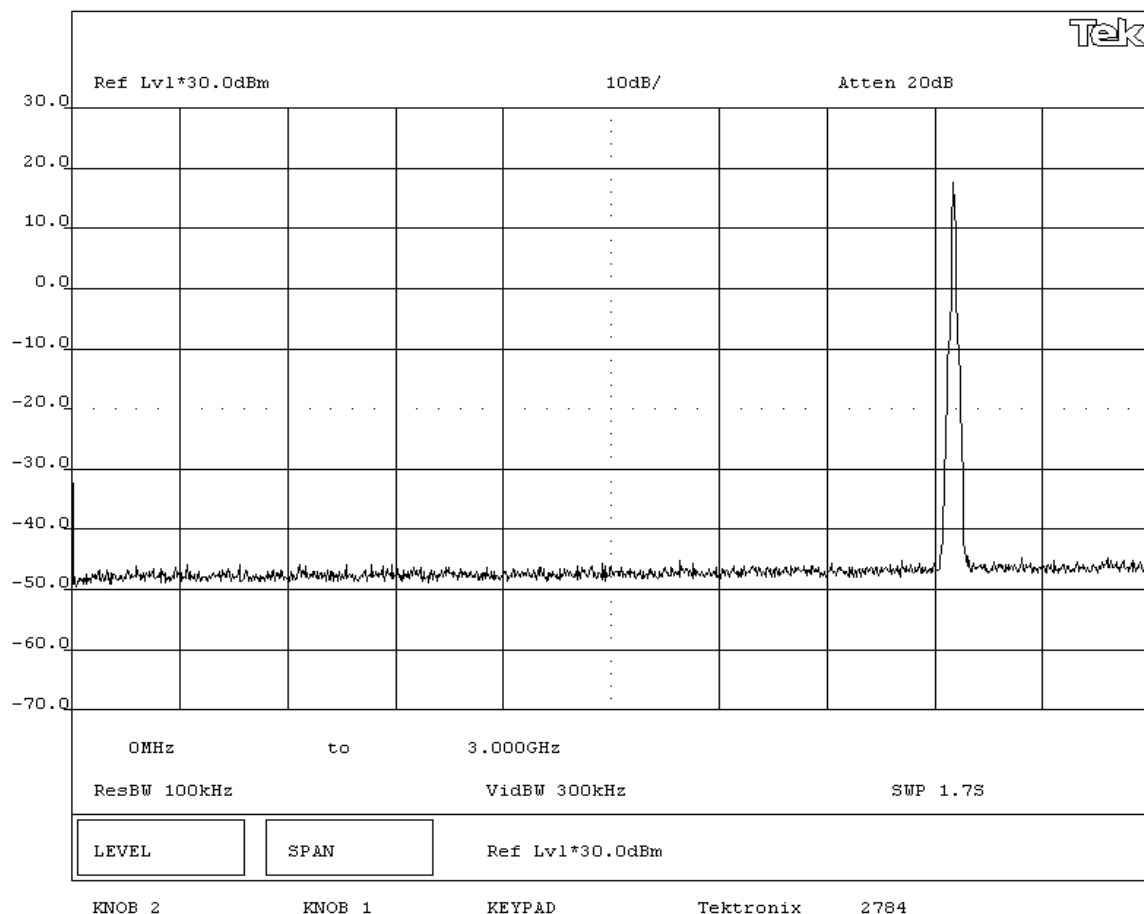
Antenna Conducted Spurious Emissions - High Channel 6.5GHz-15GHz

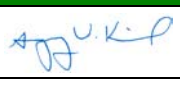


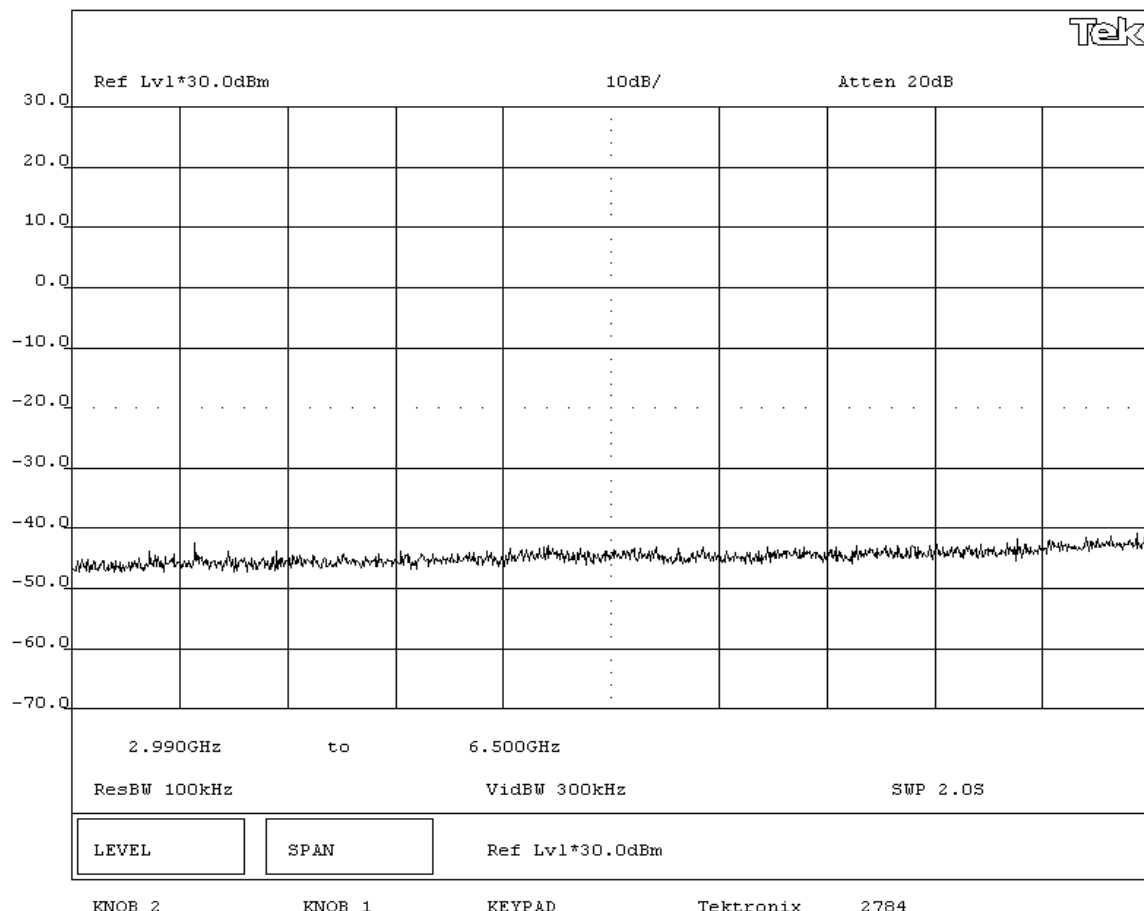
NORTHWEST <b>EMC</b>		<b>EMISSIONS DATA SHEET</b>		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader				Work Order: IDMI0005	
Serial Number: 32695				Date: 11/03/04	
Customer: Idmicro, INC.				Temperature: 68	
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX6 Antenna Port					
EUT OPERATING MODES					
Return link (no hop mode)					
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>Tested By: </div>					
DESCRIPTION OF TEST					
Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel		Humidity: 40%	
Customer Ref. No.: N/A		Power: 120VAC/60Hz		Job Site: EV06	
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004		Method: DA 00-705, ANSI C63.4	
				Year: 2003	
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX6 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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 0MHz-3GHz					



NORTHWEST EMC		EMISSIONS DATA SHEET		Rev BETA 01/30/01	
EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		
TEST SPECIFICATIONS					
Specification: 47 CFR 15.247(d)		Year: 2004	Method: DA 00-705, ANSI C63.4		Year: 2003
SAMPLE CALCULATIONS					
COMMENTS					
Measurement made at TX6 Antenna Port					
EUT OPERATING MODES					
Forward link (DSSS mode)					
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					
<b>Antenna Conducted Spurious Emissions - High Channel 3GHz-6.5GHz</b>					





## EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 2.4 GHz RFID Reader			Work Order: IDMI0005		
Serial Number: 32695			Date: 11/04/04		
Customer: Idmicro, INC.			Temperature: 68		
Attendees: Tom Kearns		Tested by: Greg Kiemel	Humidity: 40%		
Customer Ref. No.: N/A		Power: 120VAC/60Hz	Job Site: EV06		

## TEST SPECIFICATIONS

Specification: 47 CFR 15.247(d)	Year: 2004	Method: DA 00-705, ANSI C63.4	Year: 2003
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## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX6 Antenna Port

## EUT OPERATING MODES

Forward link (DSSS mode)

## 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

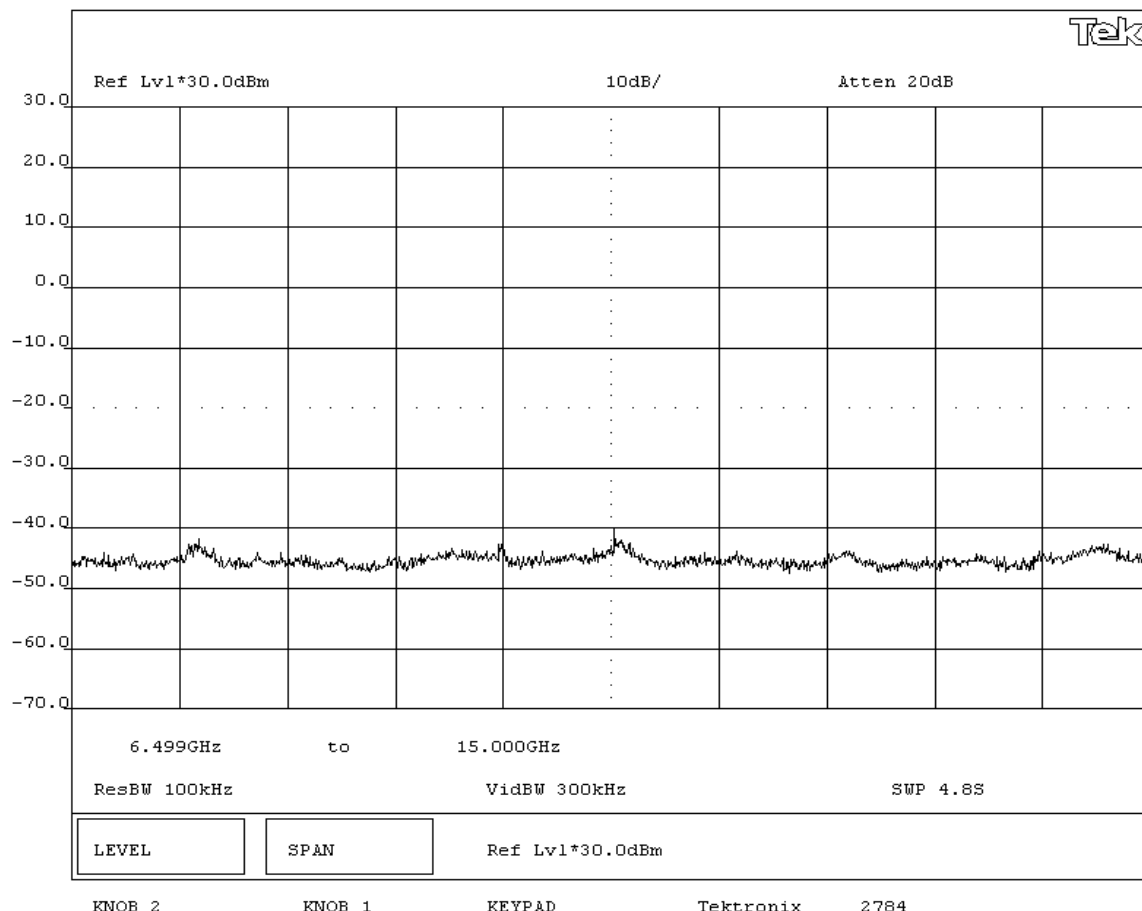
Pass

## SIGNATURE

Tested By: 

## DESCRIPTION OF TEST

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



# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT:	2.4 GHz RFID Reader		Work Order:	IDMI0005	
Serial Number:	32695		Date:	11/04/04	
Customer:	Idmicio, INC.		Temperature:	68	
Attendees:	Tom Kearns	Tested by:	Greg Kiemel	Humidity:	40%
Customer Ref. No.:	N/A	Power:	120VAC/60Hz	Job Site:	EV06

## TEST SPECIFICATIONS

Specification:	47 CFR 15.247(d)	Year:	2004	Method:	DA 00-705, ANSI C63.4	Year:	2003
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### SAMPLE CALCULATIONS

## SAMPLE CALCULATIONS

## COMMENTS

Measurement made at TX6 Antenna Port

## EUT OPERATING MODES

Forward link (DSSS mode)

## 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

SIGNATURE

U.K.P.

Tested By: \_\_\_\_\_

### DESCRIPTION OF TEST

## Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz

