

# EXHIBIT M – Antenna Conducted Spurious Emissions Data

FCC ID# PEL640-0001

NORTHWEST  
**EMC**

# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Tested by: Greg Kiemel
	Power: N/A
	Job Site: SU02

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

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate

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

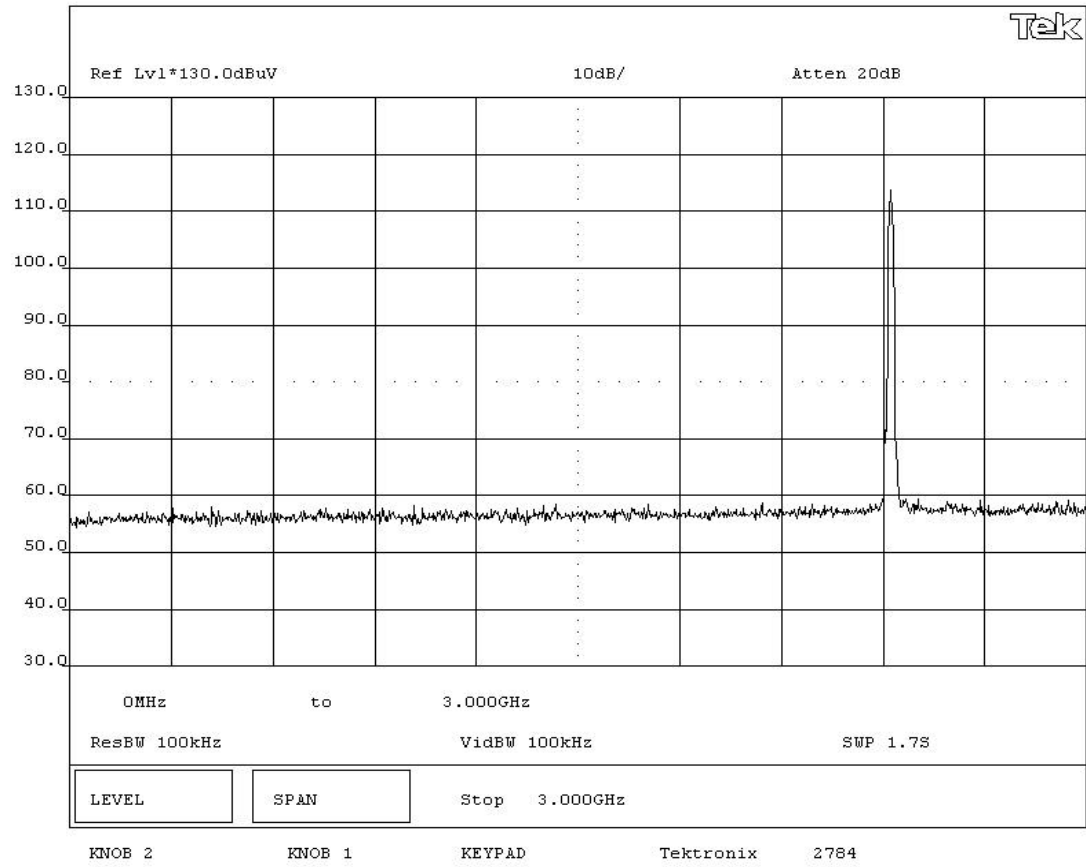
Pass

SIGNATURE

Tested By: Greg Kiemel

DESCRIPTION OF TEST

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



EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Tested by: Greg Kiemel
	Power: N/A
	Job Site: SU02

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

**SAMPLE CALCULATIONS**

**COMMENTS**

**EUT OPERATING MODES**

Modulated by PRBS at maximum data rate

**DEVIATIONS FROM TEST STANDARD**

None

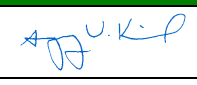
**REQUIREMENTS**

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

**RESULTS**

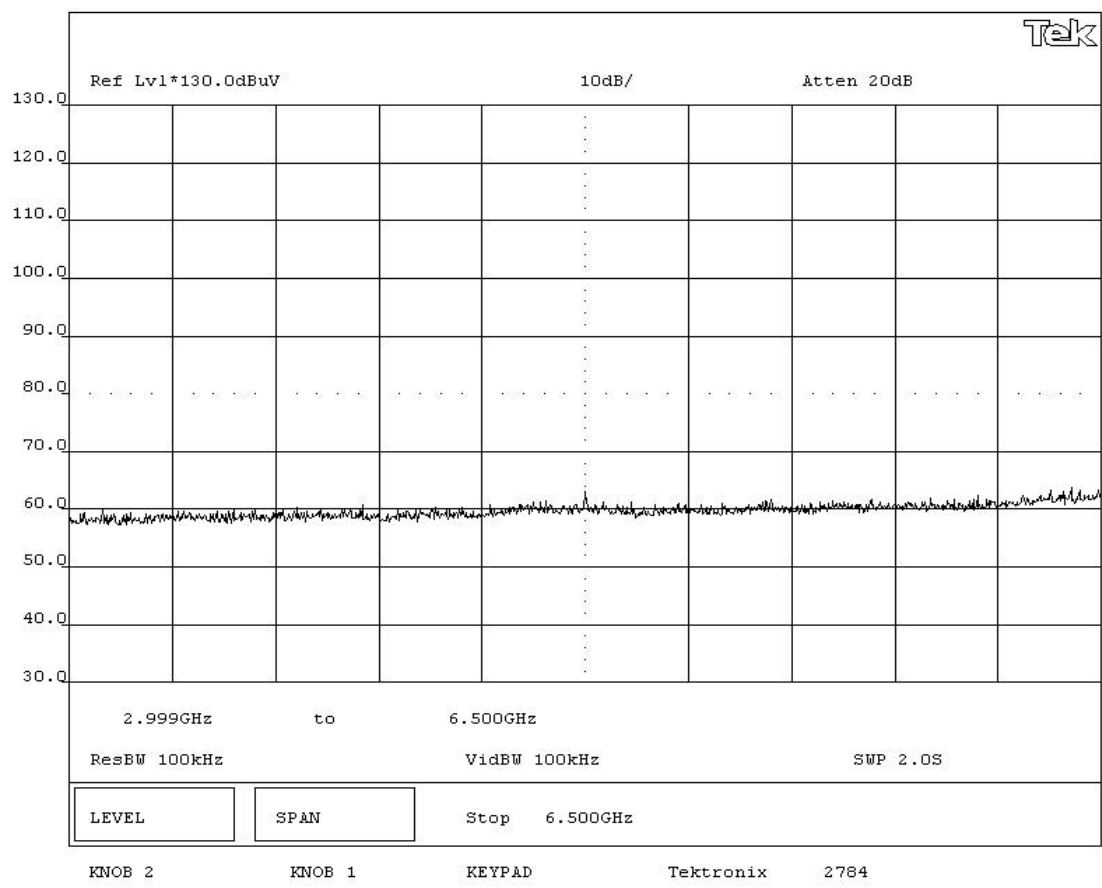
Pass

**SIGNATURE**

Tested By: 

**DESCRIPTION OF TEST**

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



NORTHWEST  
**EMC**

# EMISSIONS DATA SHEET

Rev BETA  
01/30/01

EUT: 700-0002	Work Order: NEXC0006	
Serial Number: 19F	Date: 01/11/01	
Customer: NextComm	Temperature: 23 degrees C	
Attendees: N/A	Tested by: Greg Kiemel	Humidity: 38% RH
Customer Ref. No.: N/A	Power: N/A	Job Site: SU02

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

**SAMPLE CALCULATIONS**

**COMMENTS**

**EUT OPERATING MODES**  
Modulated by PRBS at maximum data rate

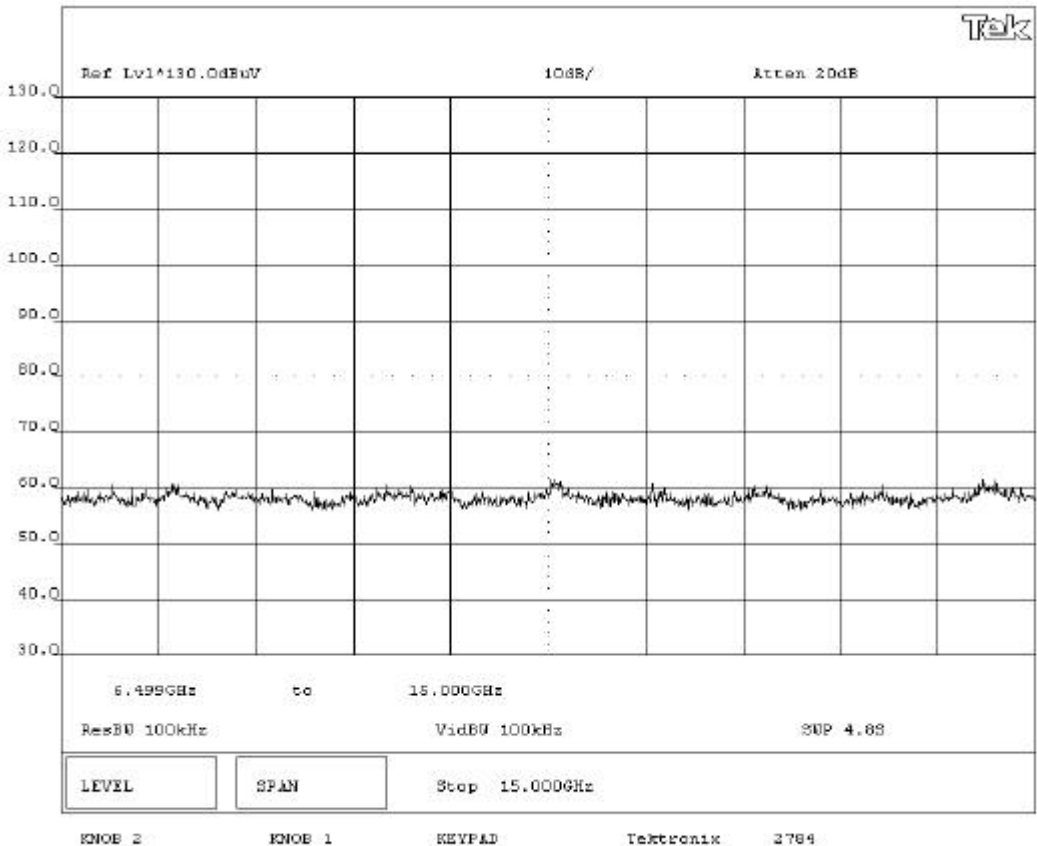
**DEVIATIONS FROM TEST STANDARD**  
None

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

**RESULTS**  
Pass

**SIGNATURE**  
Tested By: 

**DESCRIPTION OF TEST**  
**Antenna Conducted Spurious Emissions - Low Channel 6.5GHz-15GHz**



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

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Job Site: SU02
Tested by: Greg Kiemel	Power: N/A

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

**SAMPLE CALCULATIONS**

**COMMENTS**

**EUT OPERATING MODES**  
 Modulated by PRBS at maximum data rate

**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**

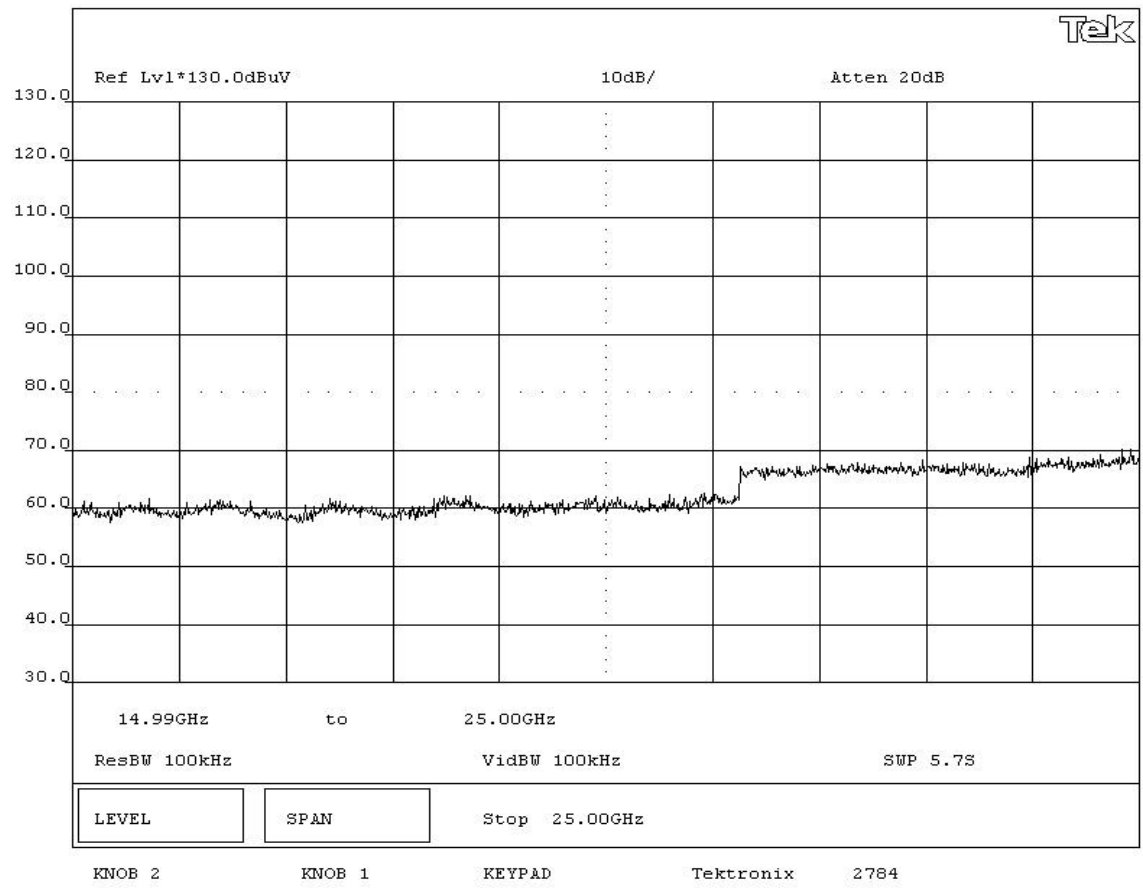
Pass

**SIGNATURE**

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

**DESCRIPTION OF TEST**

**Antenna Conducted Spurious Emissions - Low Channel 15GHz - 25GHz**



# EMISSIONS DATA SHEET

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Power: N/A
Tested by: Greg Kiemel	Job Site: SU02

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

**SAMPLE CALCULATIONS**

**COMMENTS**

**EUT OPERATING MODES**

Modulated by PRBS at maximum data rate

**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**

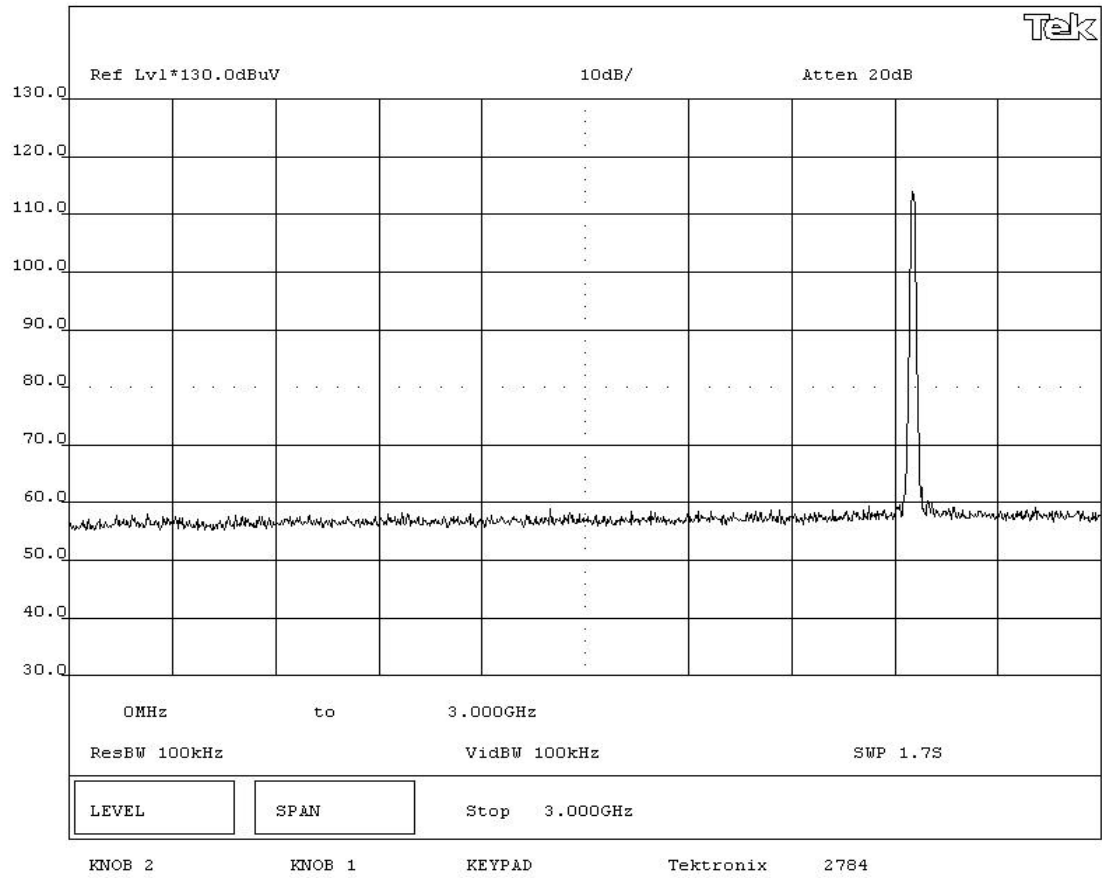
Pass

**SIGNATURE**

Tested By: 

**DESCRIPTION OF TEST**

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



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

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Job Site: SU02
Tested by: Greg Kiemel	Power: N/A

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

**SAMPLE CALCULATIONS**

**COMMENTS**

**EUT OPERATING MODES**  
Modulated by PRBS at maximum data rate

**DEVIATIONS FROM TEST STANDARD**  
None

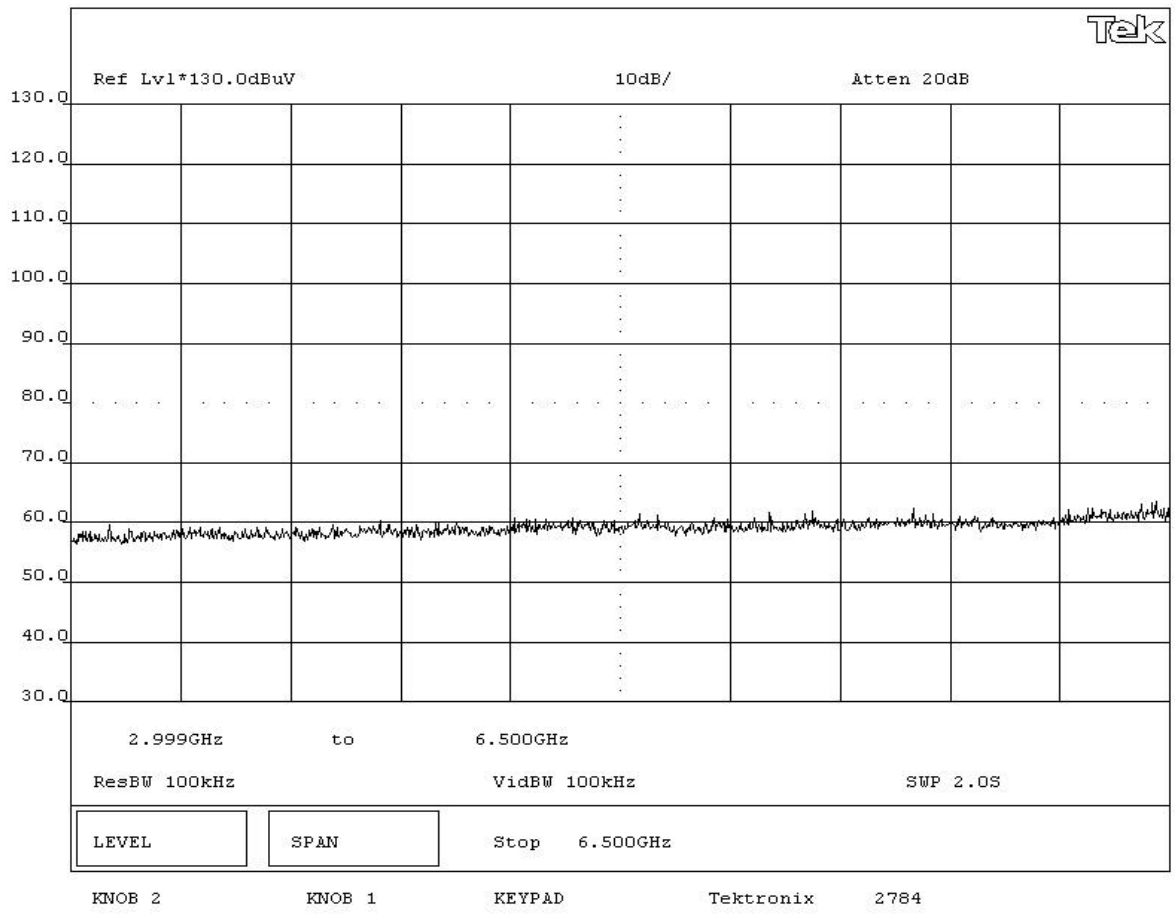
**REQUIREMENTS**  
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental

**RESULTS**  
Pass

**SIGNATURE**

Tested By: *Greg Kiemel*

**DESCRIPTION OF TEST**  
**Antenna Conducted Spurious Emissions - Mid Channel 3GHz-6.5GHz**



# EMISSIONS DATA SHEET

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Power: N/A
Tested by: Greg Kiemel	Job Site: SU02

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

SAMPLE CALCULATIONS

**COMMENTS**

**EUT OPERATING MODES**

Modulated by PRBS at maximum data rate

**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**

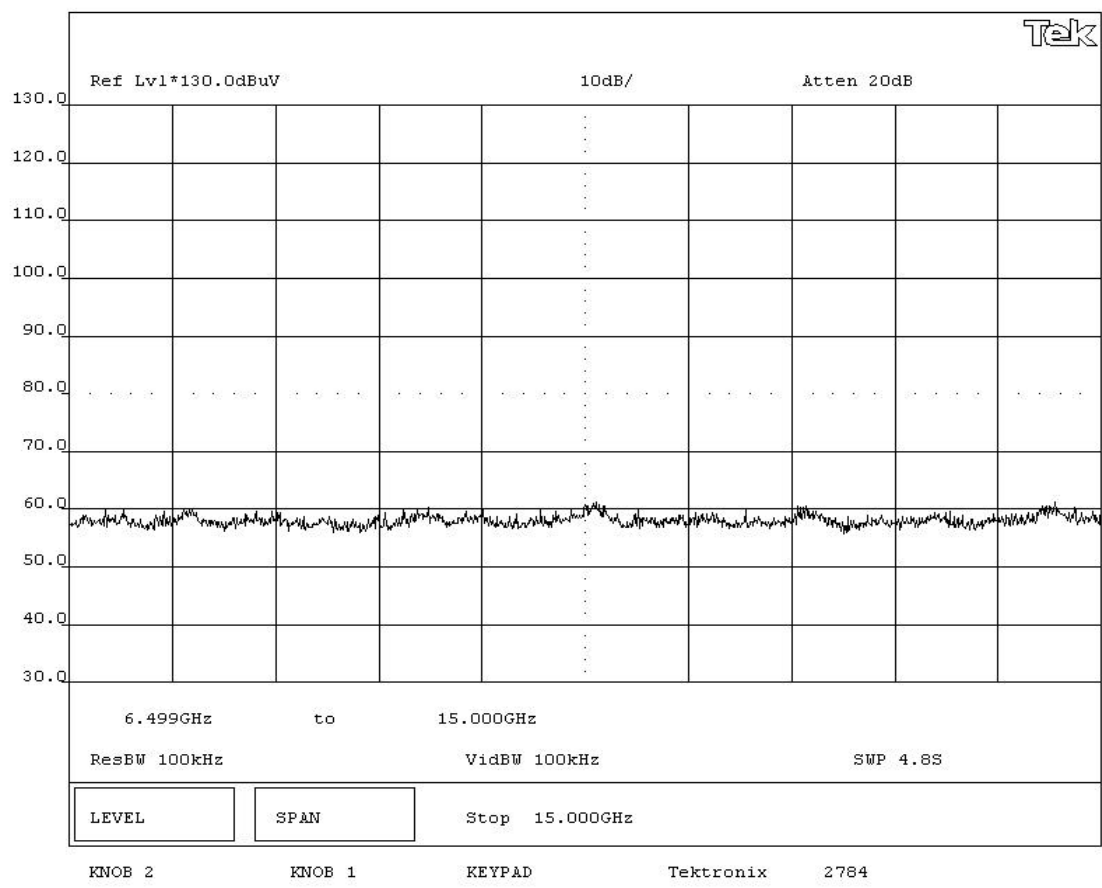
Pass

**SIGNATURE**

Tested By: *Greg Kiemel*

**DESCRIPTION OF TEST**

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





EUT:	700-0002	Work Order:	NEXC0006
Serial Number:	19F	Date:	01/11/01
Customer:	NextComm	Temperature:	23 degrees C
Attendees:	N/A	Humidity:	38% RH
Customer Ref. No.:	N/A	Tested by:	Greg Kiemel
		Power:	N/A
		Job Site:	SU02

<b>TEST SPECIFICATIONS</b>			
Specification:	47 CFR 15.247(c)	Year:	Most Current
Method:	FCC 97-114, ANSI C63.4	Year:	1992

<b>SAMPLE CALCULATIONS</b>			

<b>COMMENTS</b>			

<b>EUT OPERATING MODES</b>			
Modulated by PRBS at maximum data rate			

<b>DEVIATIONS FROM TEST STANDARD</b>			
None			

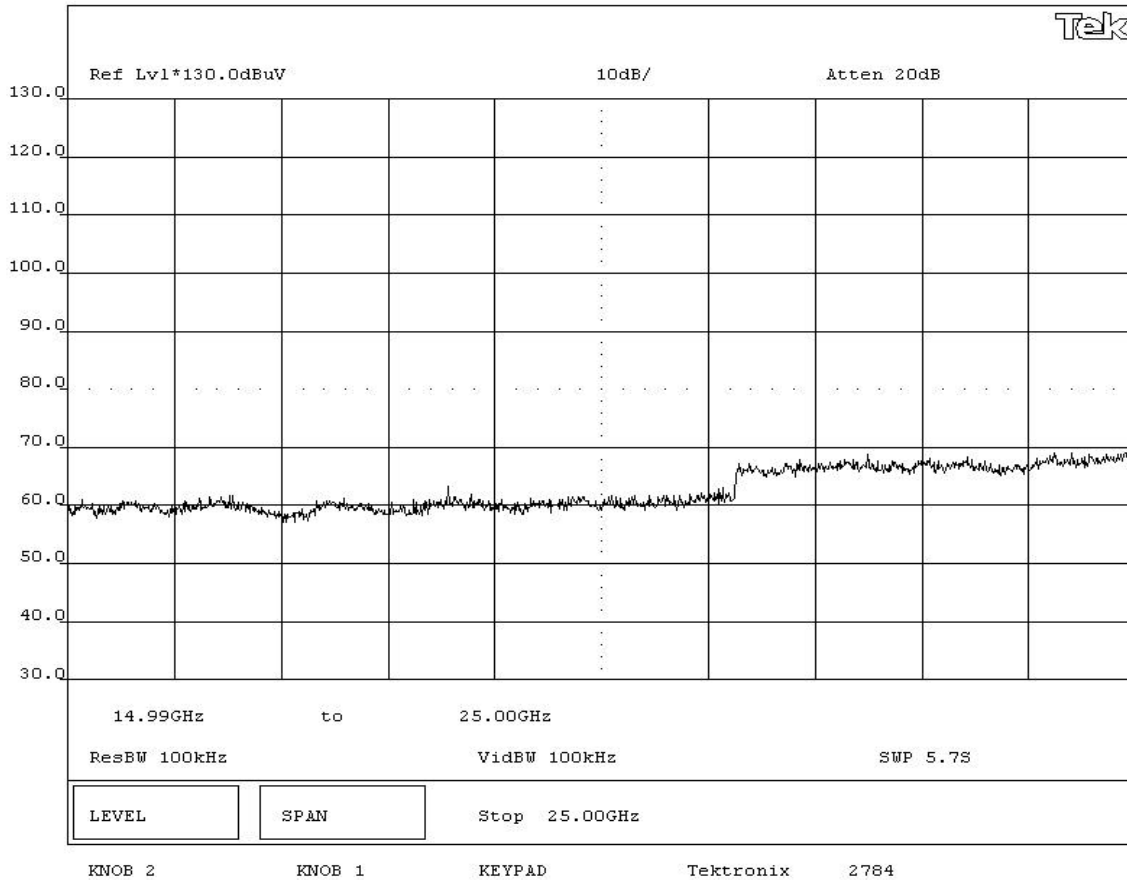
<b>REQUIREMENTS</b>			
Maximum level of any spurious emission outside of the authorized band is 20 dB down from the fundamental			

<b>RESULTS</b>			
Pass			

<b>SIGNATURE</b>			
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Tested By: Greg Kiemel

<b>DESCRIPTION OF TEST</b>			
Antenna Conducted Spurious Emissions - Mid Channel 15GHz-25GHz			



EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Power: N/A
Tested by: Greg Kiemel	Job Site: SU02

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

<b>SAMPLE CALCULATIONS</b>			

<b>COMMENTS</b>

<b>EUT OPERATING MODES</b>
Modulated by PRBS at maximum data rate

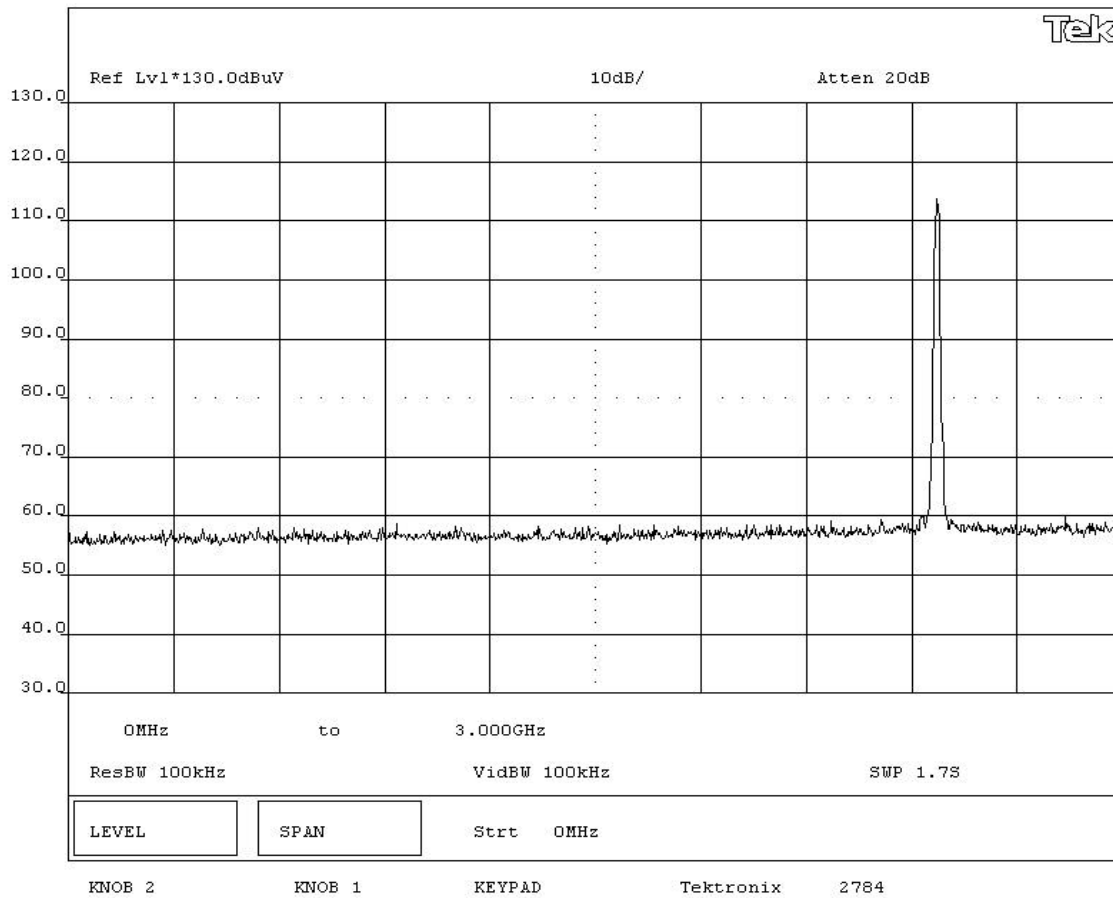
<b>DEVIATIONS FROM TEST STANDARD</b>
None

<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

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Tested by: Greg Kiemel
Customer Ref. No.: N/A	Power: N/A
	Humidity: 38% RH
	Job Site: SU02

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

SAMPLE CALCULATIONS

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate

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

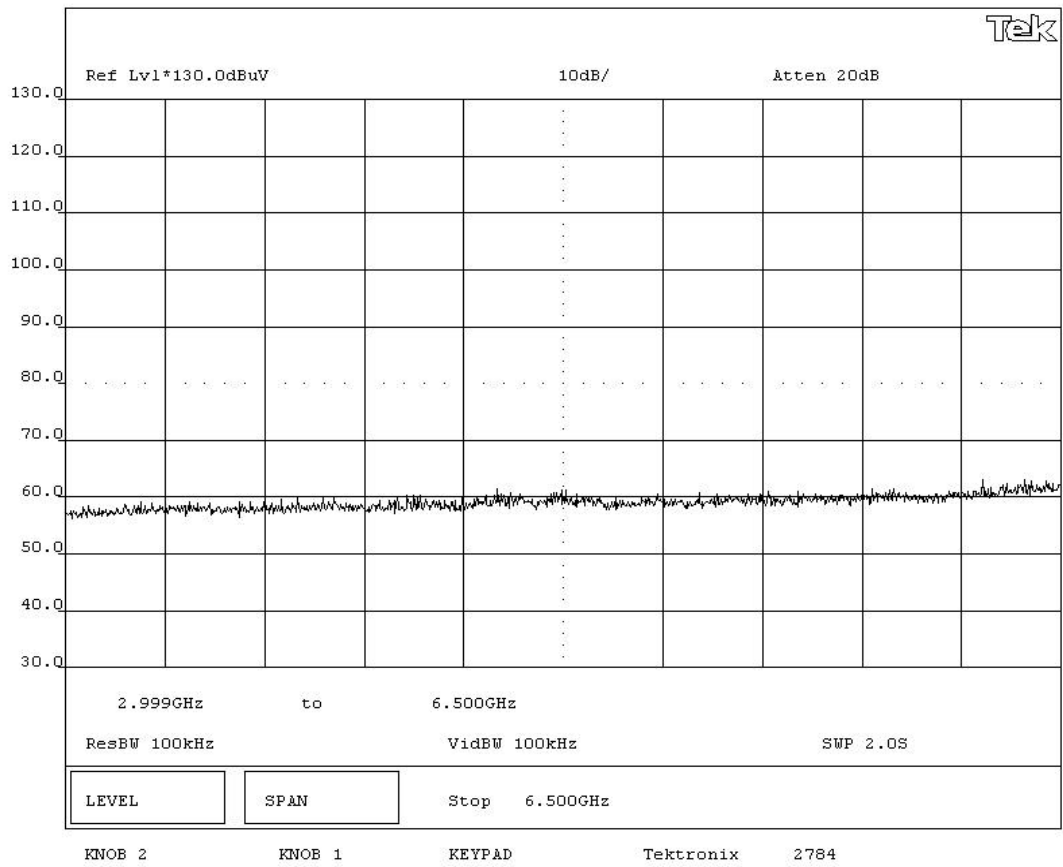
Pass

SIGNATURE

Tested By: *Greg Kiemel*

DESCRIPTION OF TEST

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



# EMISSIONS DATA SHEET

EUT: 700-0002	Work Order: NEXC0006
Serial Number: 19F	Date: 01/11/01
Customer: NextComm	Temperature: 23 degrees C
Attendees: N/A	Humidity: 38% RH
Customer Ref. No.: N/A	Power: N/A
Tested by: Greg Kiemel	Job Site: SU02

<b>TEST SPECIFICATIONS</b>			
Specification: 47 CFR 15.247(c)	Year: Most Current	Method: FCC 97-114, ANSI C63.4	Year: 1992

<b>SAMPLE CALCULATIONS</b>			

**COMMENTS**

**EUT OPERATING MODES**

Modulated by PRBS at maximum data rate

**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**

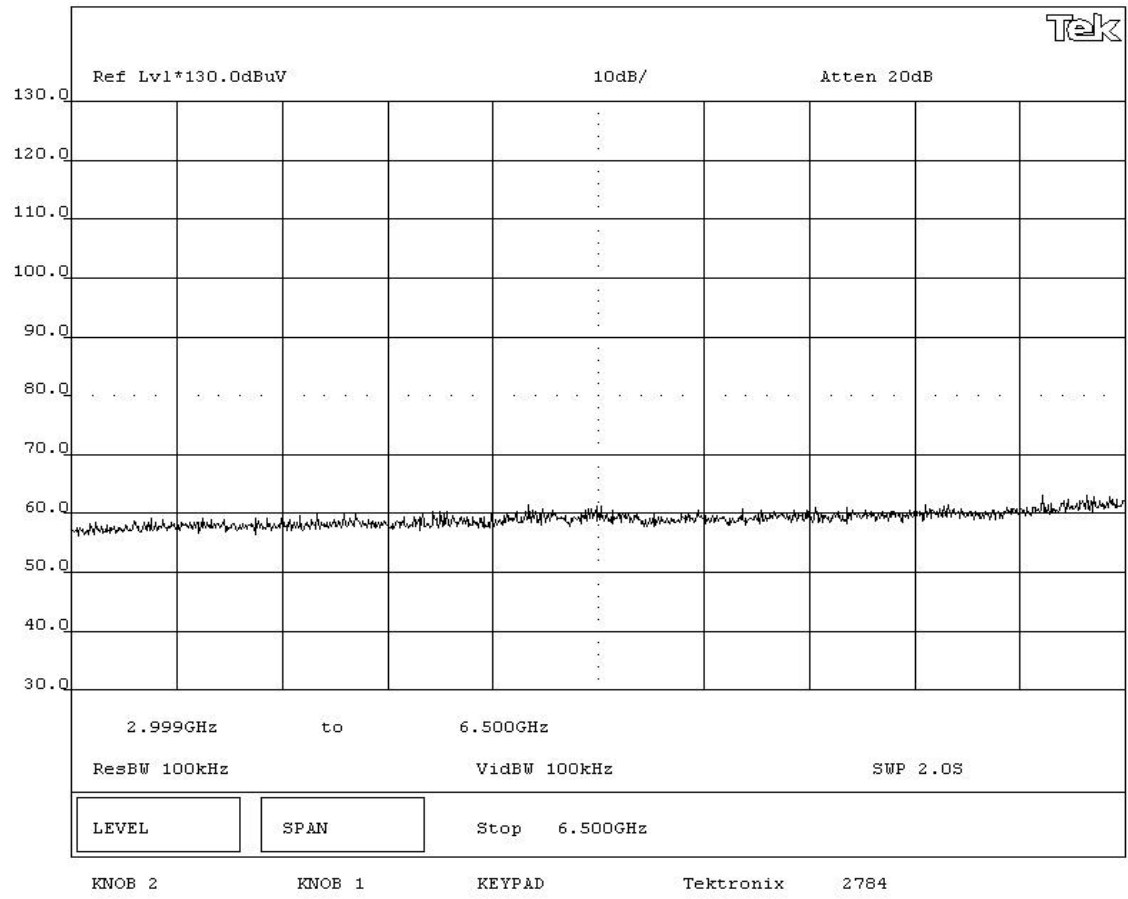
Pass

**SIGNATURE**

Tested By: 

**DESCRIPTION OF TEST**

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



EUT:	700-0002	Work Order:	NEXC0006
Serial Number:	19F	Date:	01/11/01
Customer:	NextComm	Temperature:	23 degrees C
Attendees:	N/A	Humidity:	38% RH
Customer Ref. No.:	N/A	Tested by:	Greg Kiemel
		Power:	N/A
		Job Site:	SU02

<b>TEST SPECIFICATIONS</b>			
Specification:	47 CFR 15.247(c)	Year:	Most Current
Method:	FCC 97-114, ANSI C63.4	Year:	1992

<b>SAMPLE CALCULATIONS</b>			

<b>COMMENTS</b>			

<b>EUT OPERATING MODES</b>			
Modulated by PRBS at maximum data rate			

<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>			
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Tested By: *Greg Kiemel*

<b>DESCRIPTION OF TEST</b>			
<b>Antenna Conducted Spurious Emissions - High Channel 15GHz-25GHz</b>			

