EXHIBIT Q – Power Spectral Density Data

FCC ID# PEL640-0001

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	

TEST SPECIFICATIONS

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

SAMPLE CALCULATIONS

Meter reading on spectrum analyzer is internally compensated for cable loss and external attenuation.

Power Spectral Density per 3kHz bandwidth = Power Spectral Density per 1 Hz bandwidth + Bandwidth Correction Factor.

Bandwidth Correction Factor = 10*log(1Hz/3kHz)

COMMENTS

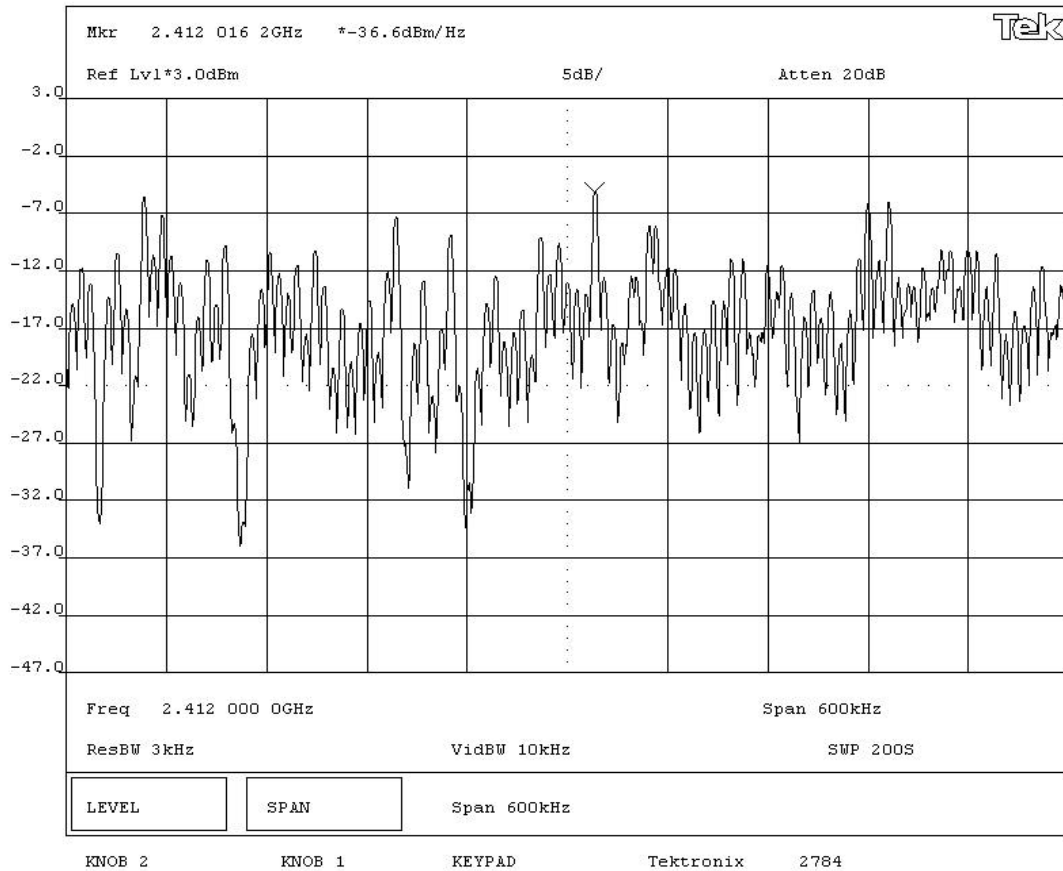**EUT OPERATING MODES**

Modulated by PRBS at maximum data rate

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum peak power spectral density conducted from a DSSS transmitter does not exceed 8 dBm in any 3 kHz band

RESULTS	**AMPLITUDE**
Pass	Power Spectral Density = -1.9 dBm / 3kHz

SIGNATURE

Tested By: _A.J. U.Kip_

DESCRIPTION OF TEST

Power Spectral Density - Low Channel

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

TEST SPECIFICATIONS

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

SAMPLE CALCULATIONS

Meter reading on spectrum analyzer is internally compensated for cable loss and external attenuation

Power Spectral Density per 3kHz bandwidth = Power Spectral Density per 1 Hz bandwidth + Bandwidth Correction Factor.

Bandwidth Correction Factor = 10*log(1Hz/3kHz)

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum peak power spectral density conducted from a DSSS transmitter does not exceed 8 dBm in any 3 kHz band
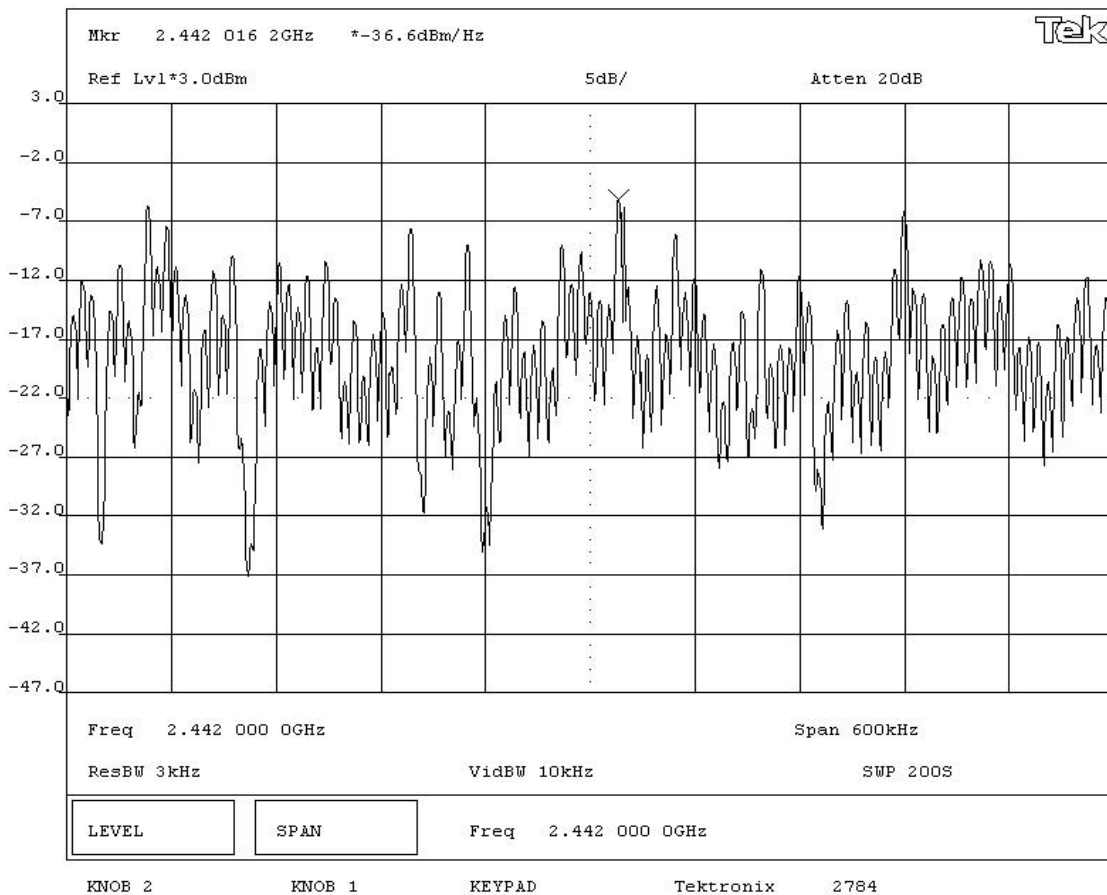
RESULTS	**AMPLITUDE**
Pass	Power Spectral Density = -1.9 dBm / 3kHz

SIGNATURE

Tested By: _U.K.P_

DESCRIPTION OF TEST

Power Spectral Density - Mid Channel

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	

TEST SPECIFICATIONS

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

SAMPLE CALCULATIONS

Meter reading on spectrum analyzer is internally compensated for cable loss and external attenuation
Power Spectral Density per 3kHz bandwidth = Power Spectral Density per 1 Hz bandwidth + Bandwidth Correction Factor.
Bandwidth Correction Factor = 10*log(1Hz/3kHz)

COMMENTS

EUT OPERATING MODES

Modulated by PRBS at maximum data rate

DEVIATIONS FROM TEST STANDARD

None

REQUIREMENTS

Maximum peak power spectral density conducted from a DSSS transmitter does not exceed 8 dBm in any 3 kHz band

RESULTS	**AMPLITUDE**
Pass	Power Spectral Density = -1.1 dBm / 3kHz

SIGNATURE

Tested By: _____

DESCRIPTION OF TEST

Power Spectral Density - High Channel


```
Mkr    2.462 017 4GHz    *-35.8dBm/Hz                          Tek

Ref Lvl*3.0dBm                      5dB/           Atten 20dB
  3.0

 -2.0

 -7.0

-12.0

-17.0

-22.0

-27.0

-32.0

-37.0

-42.0

-47.0

Freq   2.462 000 0GHz                     Span 600kHz

ResBW 3kHz              VidBW 10kHz              SWP 200S

  LEVEL        SPAN       Freq   2.462 000 0GHz

KNOB 2        KNOB 1      KEYPAD       Tektronix    2784
```