GENERAL INFORMATION REQUIREMENTS

Paragraph 2.983(a)

Name of Applicant: Nucomm, Inc.

Address of Applicant: 101 Bilby Road

Hackettstown, NJ 07840

Name of Manufacturer: Nucomm, Inc.

Paragraph 2.983(b)

Equipment

Identification: FCC ID: I4U27CMT1-L5-E1P5

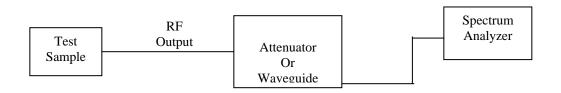
Para. 2.1051 Spurious Emissions at Antenna Terminals

Spurious Emissions at Antenna Terminals (Para. 2.1051)

A. Measurement Procedure:

The RF output of the transmitter was directly coupled through either attenuators or a waveguide transmission line to the input of a spectrum analyzer. With the transmitter on, the spectrum analyzer was swept from 30 MHz to 26 or 40 GHz. (Dependant of fundamental operating frequency). It was verified that all emissions not associated with the fundamental transmission were at least 43 +10 log (P) down from the fundamental transmit power level (P).

Setup of the test is shown below:



B. Test Results:

The EUT was found to comply with the requirements specified for this test method.

EQUIPMENT LIST

FCC Part 2, Antenna Conducted Emissions

EN	Туре	Manufacturer	Description	Model No.	Cal Date	Due Date
032G	H.P. Filter	Microlab/FXR	3 GHz	HA-30N	5/25/2006	5/25/2007
1008	20.0 dB Attenuator	Narda	DC - 18 GHz	776C-20	11/29/2005	11/29/2006
1009	30.0 dB Attenuator	Narda	DC - 18 GHz	776C-30	11/29/2005	11/29/2006
896	EMI Test Receiver	Rohde & Schwarz	20 Hz - 40 GHz	ESIB40	9/5/2006	9/5/2007
R126	Signal Generator	Hewlett Packard	10 MHz - 40 GHz	83640B	8/2/2005	8/2/2007

2 GHz Conducted Emissions 12 MHz channel spacing plan

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

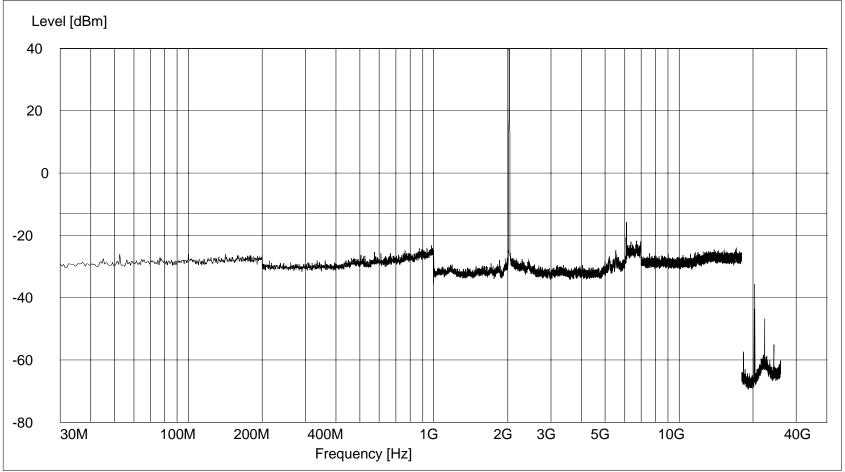
Equipment Settings: Color bars plus audio, High power, Channel 1, Analog FM Modulation, 12 MHz channel

Transmitting at 2031.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 1 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

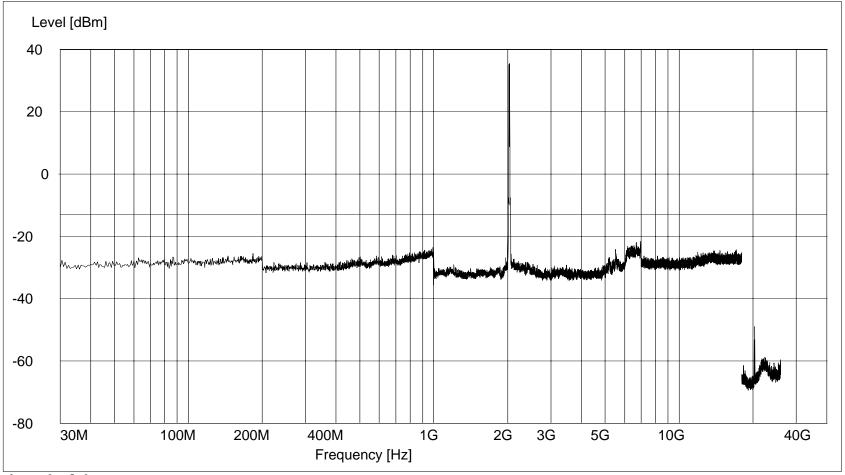
Equipment Settings: Color bars plus audio, High power, Channel 1, Digital COFDM Modulation, 12 MHz channel

Transmitting at 2031.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 2 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

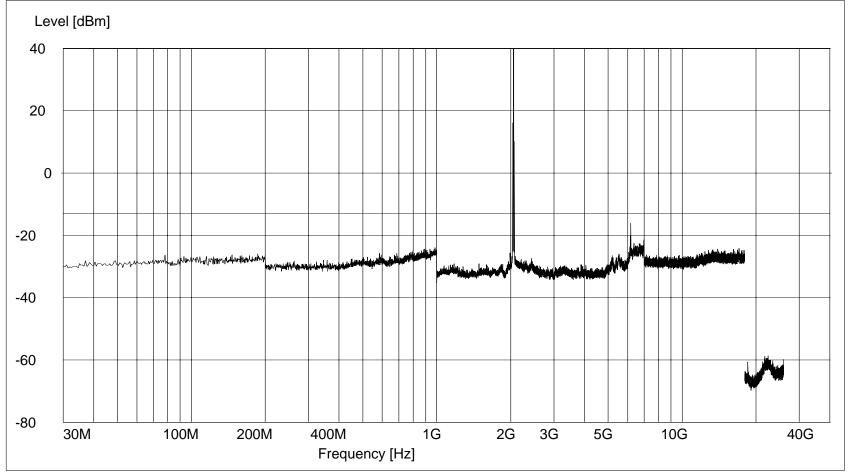
Equipment Settings: Color bars plus audio, High power, Channel 3, Analog FM Modulation, 12 MHz channel

Transmitting at 2055.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 3 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

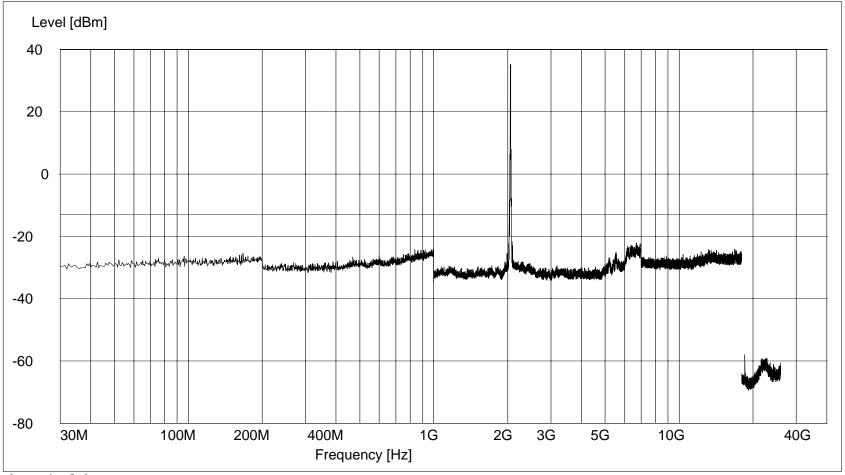
Equipment Settings: Color bars plus audio, High power, Channel 3, Digital COFDM Modulation, 12 MHz channel

Transmitting at 2055.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 4 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

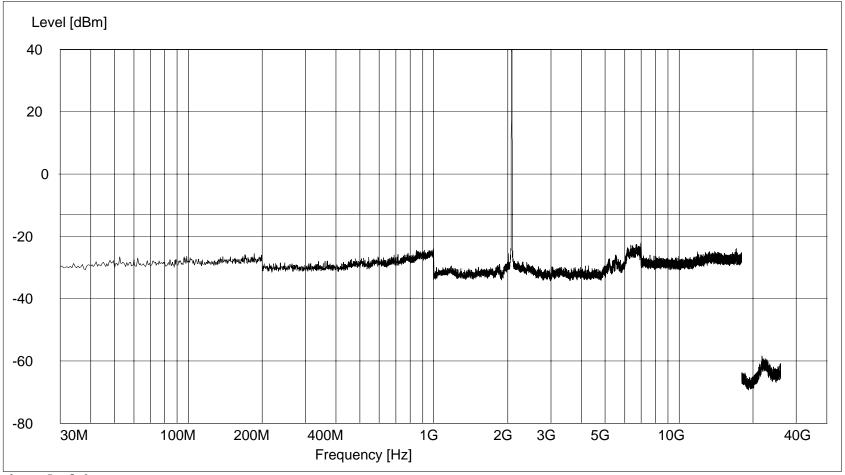
Equipment Settings: Color bars plus audio, High power, Channel 5, Analog FM Modulation, 12 MHz channel

Transmitting at 2079.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 5 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

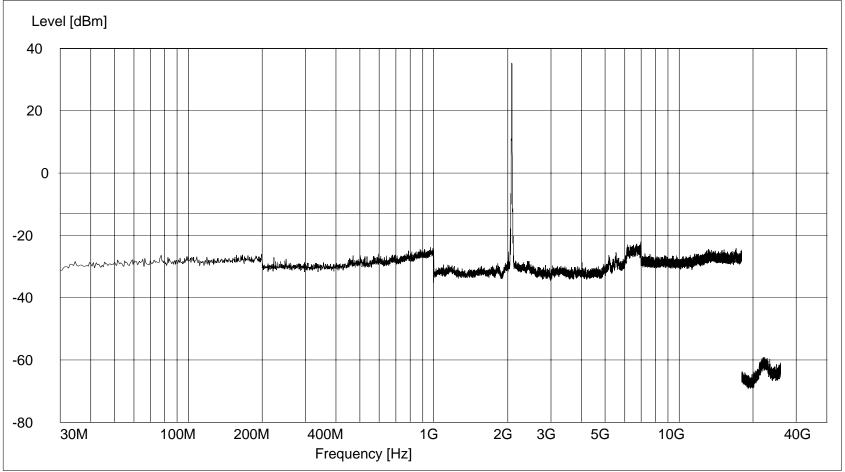
Equipment Settings: Color bars plus audio, High power, Channel 5, Digital COFDM Modulation, 12 MHz channel

Transmitting at 2079.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 6 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

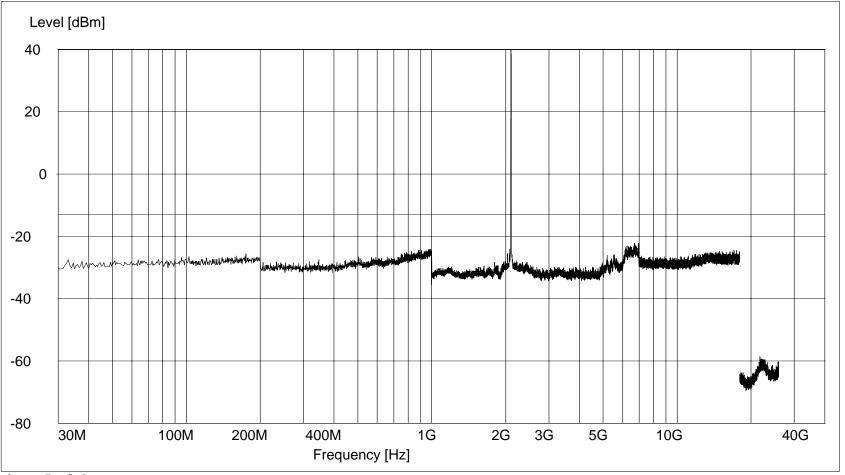
Equipment Settings: Color bars plus audio, High power, Channel 7, Analog FM Modulation, 12 MHz channel

Transmitting at 2103.5 MHz.

Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 7 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

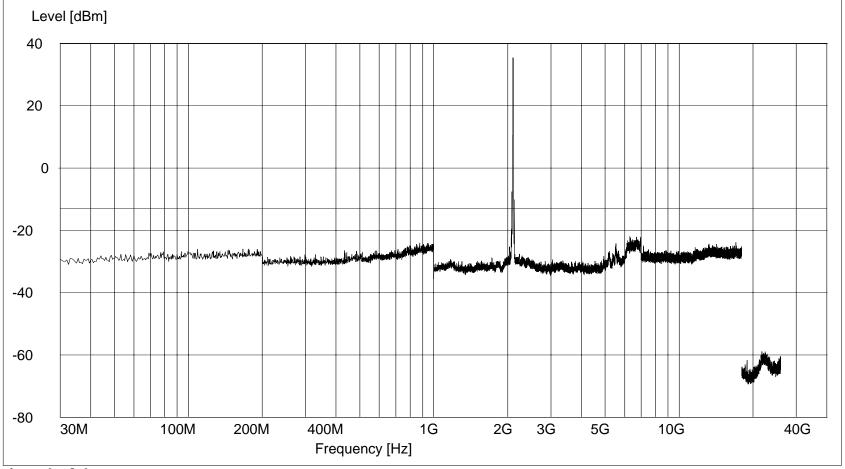
Equipment Settings: Color bars plus audio, High power, Channel 7, Digital COFDM Modulation, 12 MHz channel

Transmitting at 2103.5 MHz.

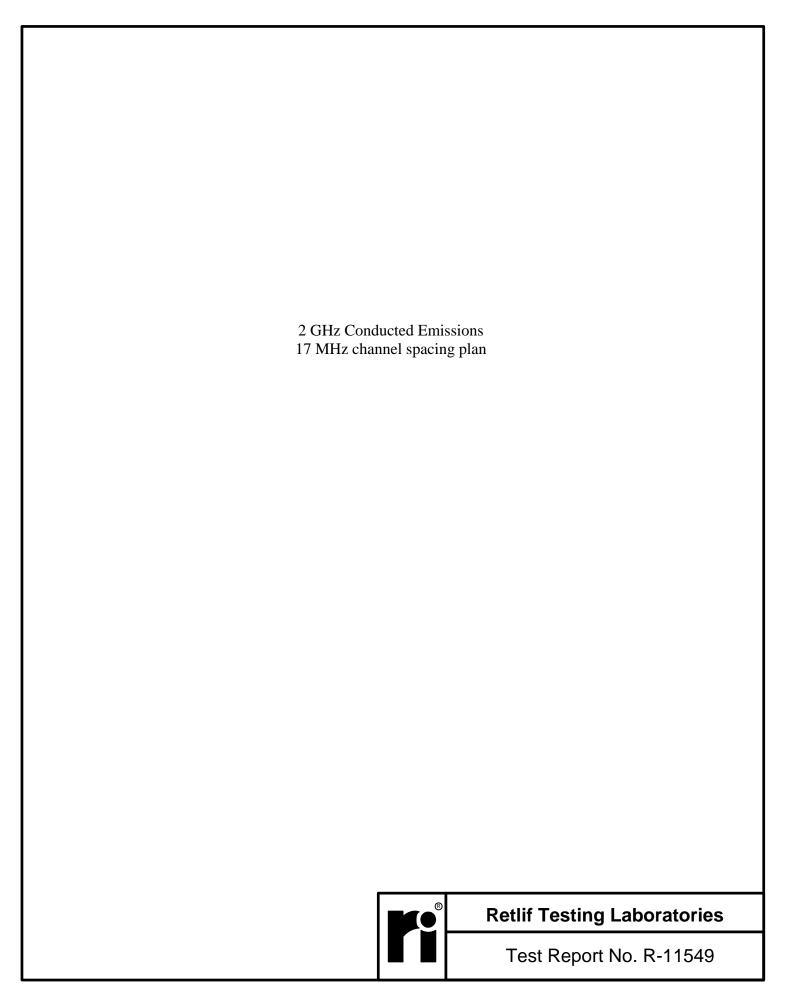
Antenna Port Tested: RF Output Port 12 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 8 of 8



FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

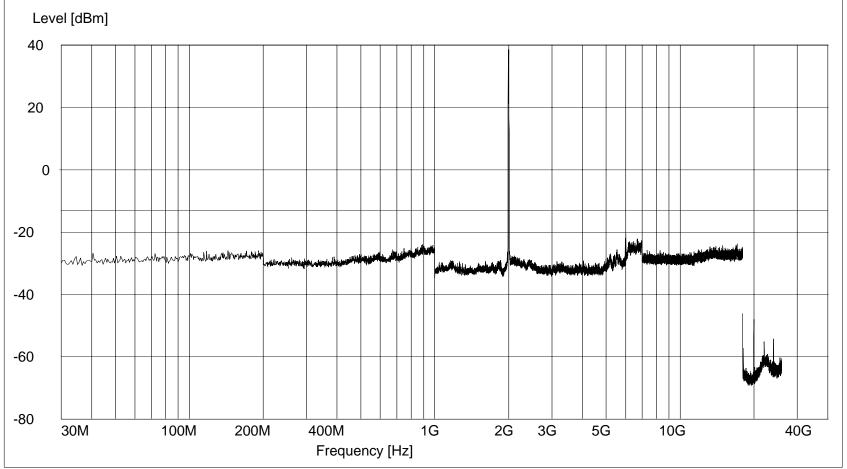
Equipment Settings: Color bars plus audio, High power, Channel 1, Analog FM Modulation, 17 MHz channel

Transmitting at 1999.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 1 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

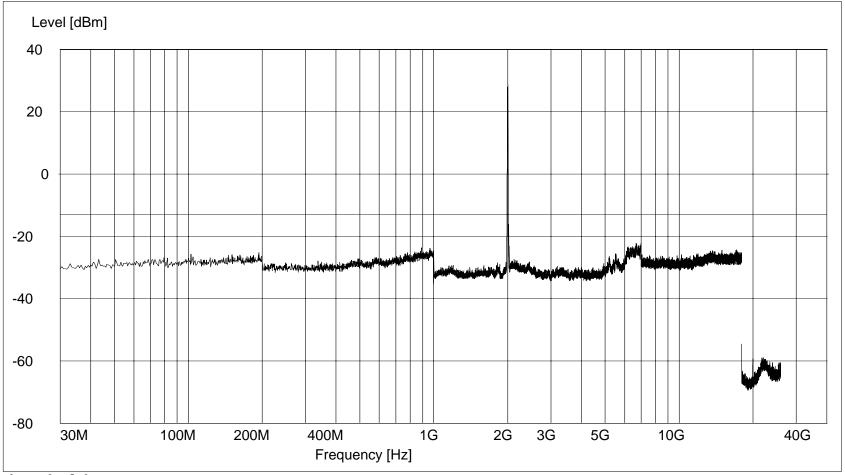
Equipment Settings: Color bars plus audio, High power, Channel 1, Digital COFDM Modulation, 17 MHz channel

Transmitting at 1999.0 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 2 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

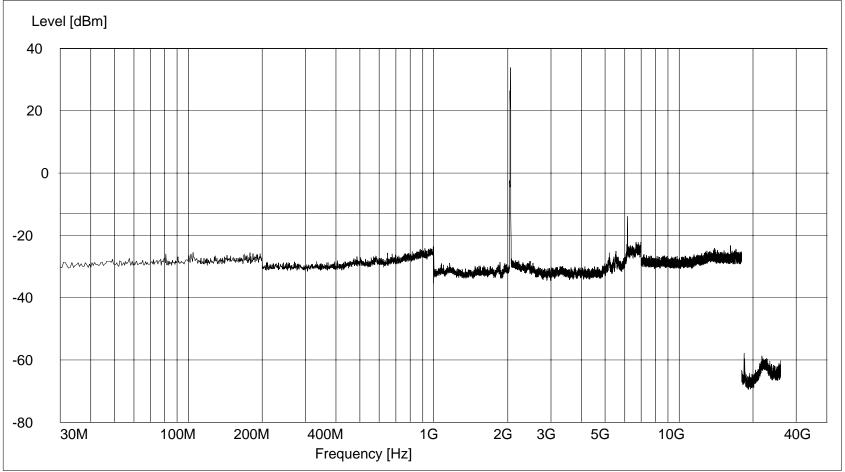
Equipment Settings: Color bars plus audio, High power, Channel 4, Analog FM Modulation, 17 MHz channel

Transmitting at 2050.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 3 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

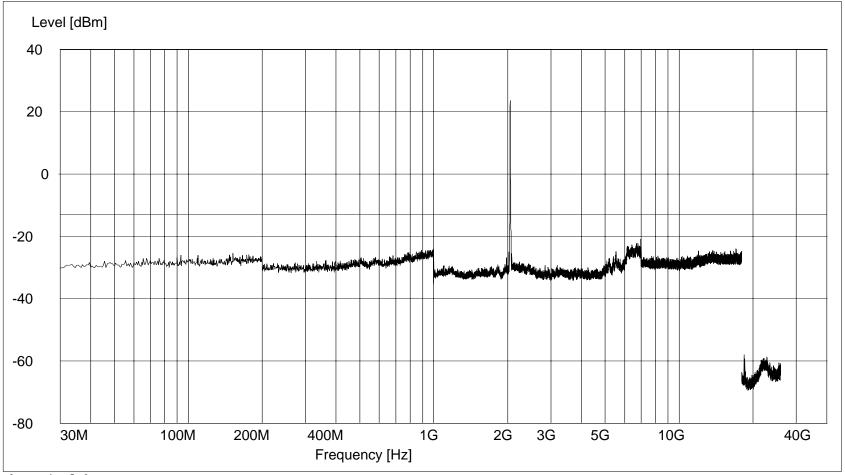
Equipment Settings: Color bars plus audio, High power, Channel 4, Digital COFDM Modulation, 17 MHz channel

Transmitting at 2050.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 4 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

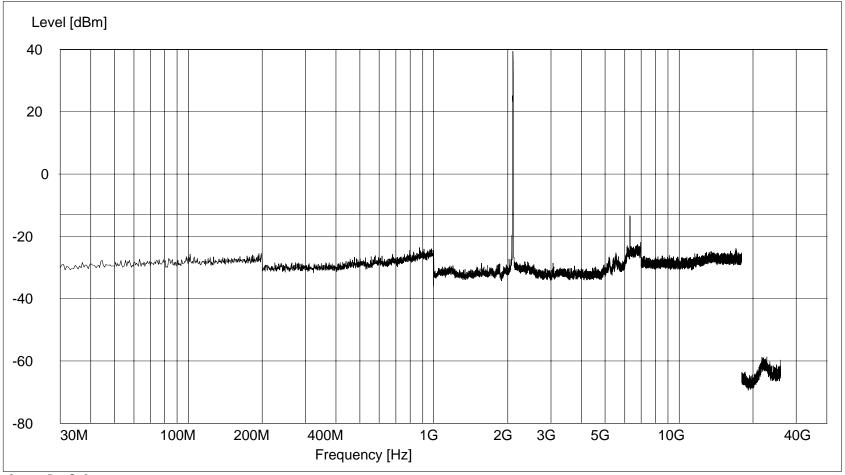
Equipment Settings: Color bars plus audio, High power, Channel 7, Analog FM Modulation, 17 MHz channel

Transmitting at 2101.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 5 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

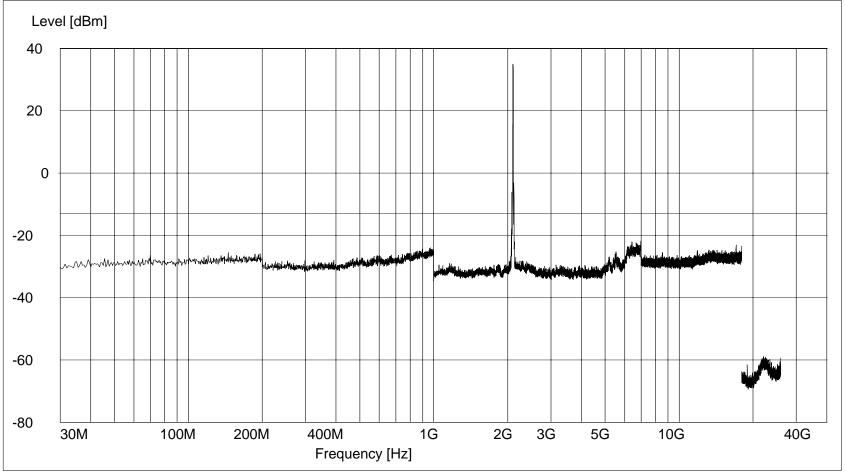
Equipment Settings: Color bars plus audio, High power, Channel 7, Digital COFDM Modulation, 17 MHz channel

Transmitting at 2101.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 6 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

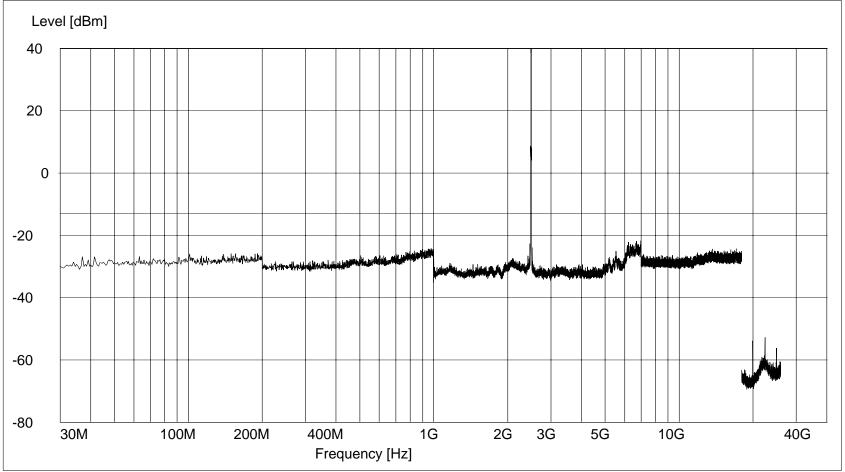
Equipment Settings: Color bars plus audio, High power, Channel 10, Analog FM Modulation, 17 MHz channel

Transmitting at 2492.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 7 of 8

FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

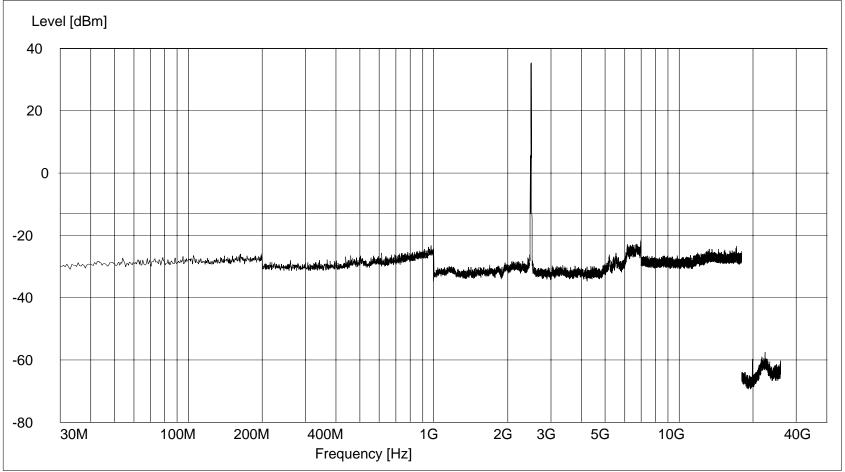
Equipment Settings: Color bars plus audio, High power, Channel 10, Digital COFDM Modulation, 17 MHz channel

Transmitting at 2492.5 MHz.

Antenna Port Tested: RF Output Port 17 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 8 of 8

7GHz Conducted Emissions						
25 MHz channel spacing plan						
	Retlif Testing Laboratories					
	Test Report No. R-11549					

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

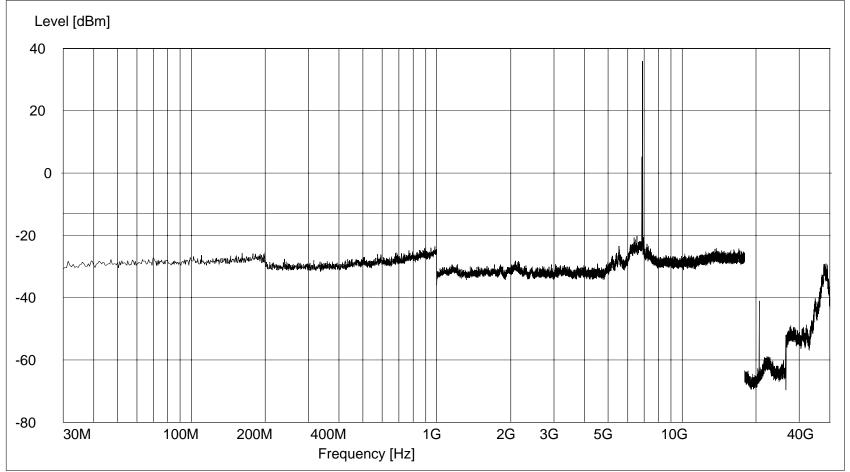
Equipment Settings: Color bars plus audio, High power, Channel 1, Analog FM Modulation, 25 MHz channel

Transmitting at 6887.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 1 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

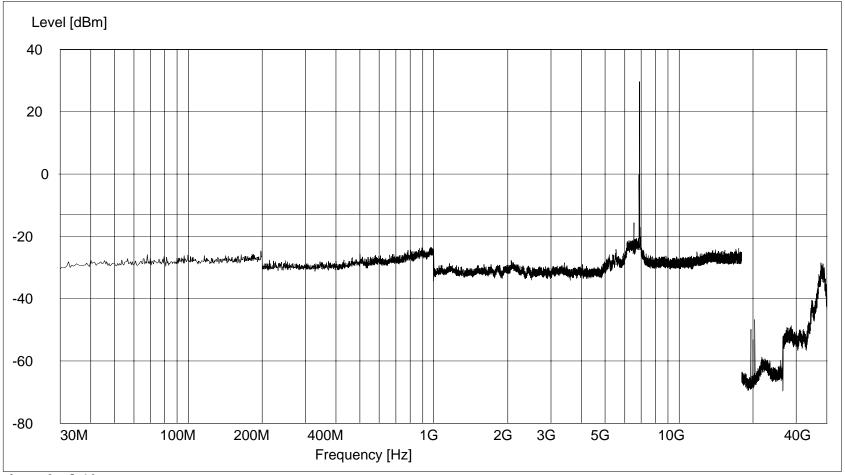
Equipment Settings: Color bars plus audio, High power, Channel 1, Digital COFDM Modulation, 25 MHz channel

Transmitting at 6887.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 2 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

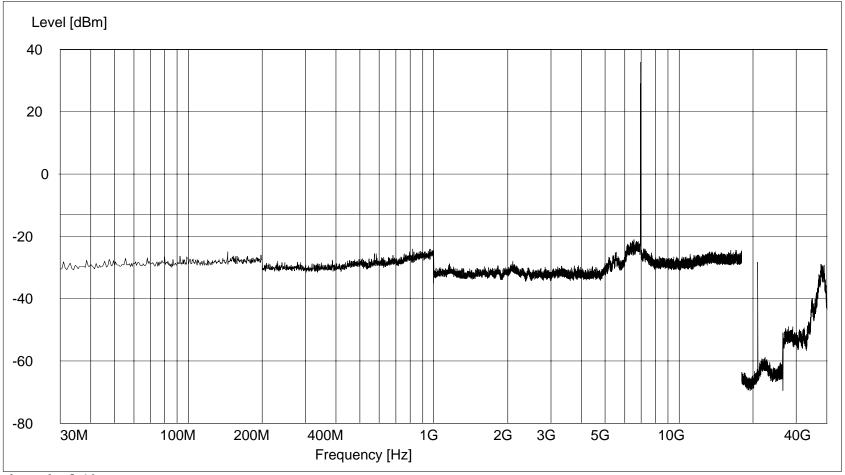
Equipment Settings: Color bars plus audio, High power, Channel 4, Analog FM Modulation, 25 MHz channel

Transmitting at 6962.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 3 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

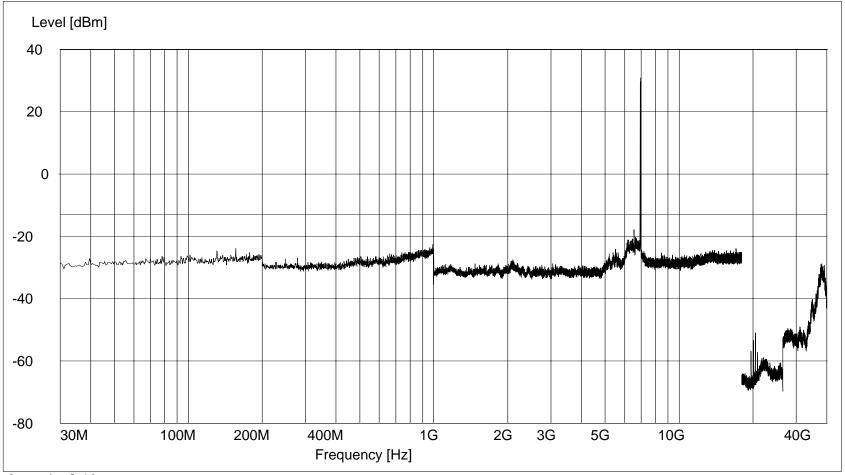
Equipment Settings: Color bars plus audio, High power, Channel 4, Digital COFDM Modulation, 25 MHz channel

Transmitting at 6962.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 4 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

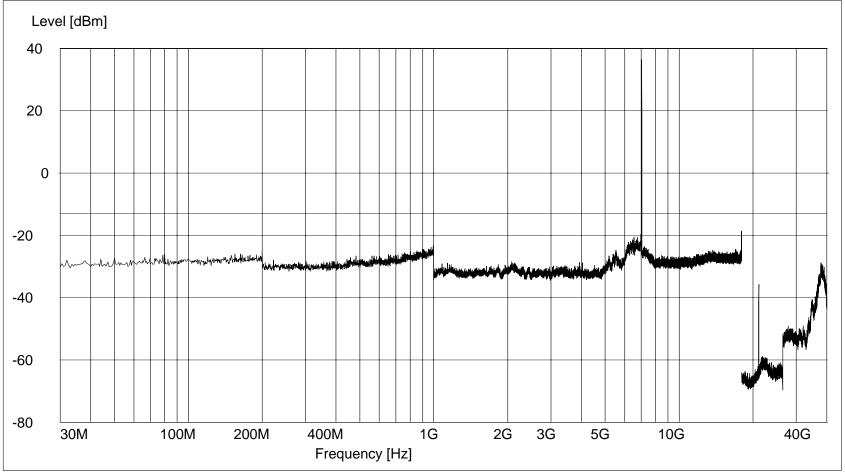
Equipment Settings: Color bars plus audio, High power, Channel 7, Analog FM Modulation, 25 MHz channel

Transmitting at 7037.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 5 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

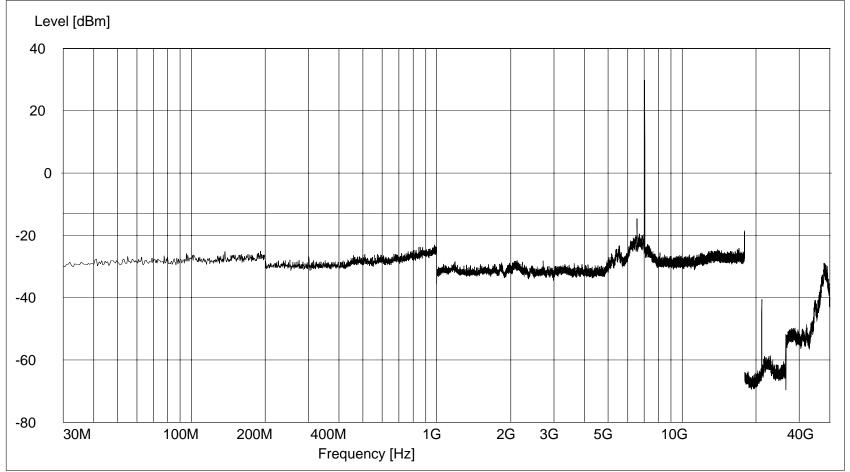
Equipment Settings: Color bars plus audio, High power, Channel 7, Digital COFDM Modulation, 25 MHz channel

Transmitting at 7037.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 6 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

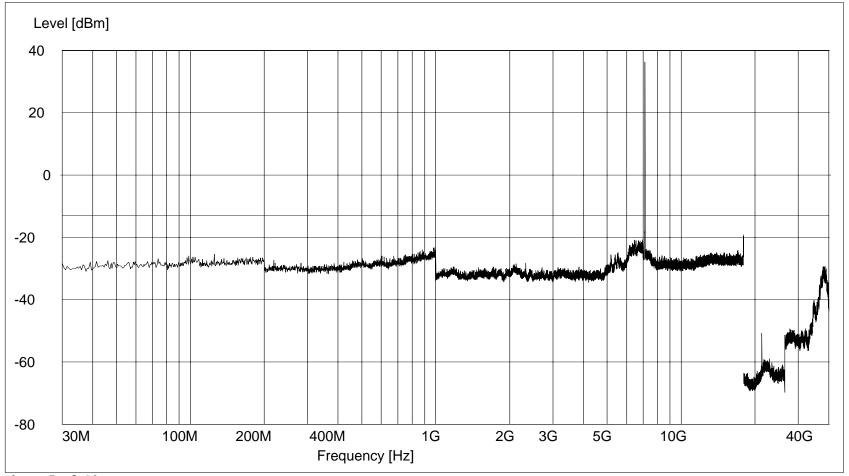
Equipment Settings: Color bars plus audio, High power, Channel 10, Analog FM Modulation, 25 MHz channel

Transmitting at 7112.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 7 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

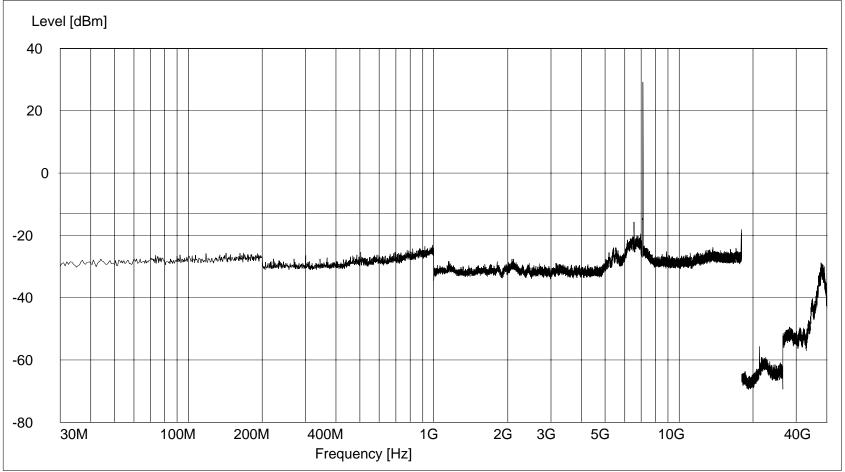
Equipment Settings: Color bars plus audio, High power, Channel 10, Digital COFDM Modulation, 25 MHz channel

Transmitting at 7112.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 8 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

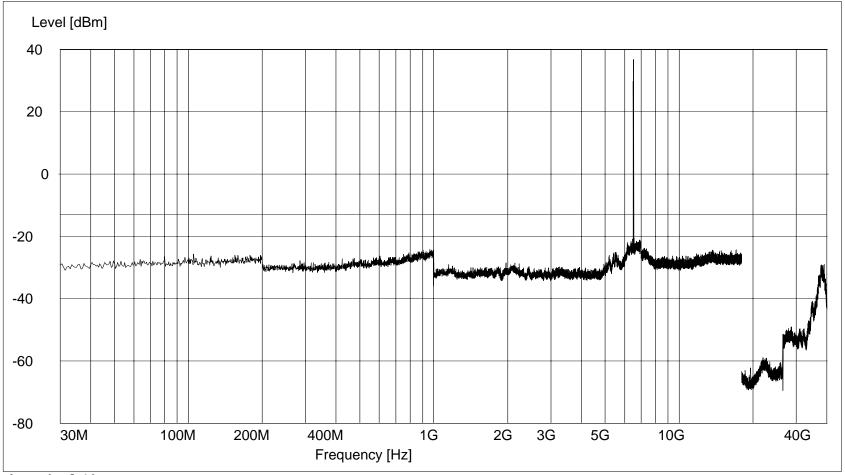
Equipment Settings: Color bars plus audio, High power, Channel 14, Analog FM Modulation, 25 MHz channel

Transmitting at 6512.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 9 of 10

FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.

Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter

Part Number: 2/7CMTX1-L5E1.5-326 Serial # 09962-013

FCC ID Number: I4U27CMT1-L5-E1P5

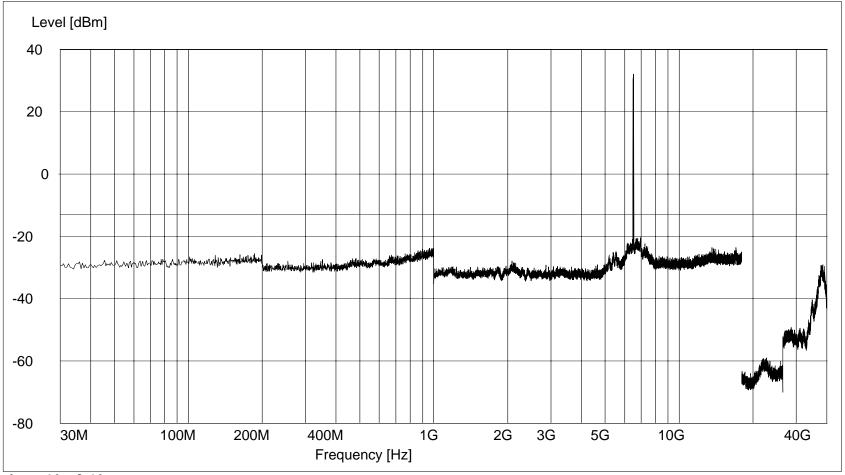
Equipment Settings: Color bars plus audio, High power, Channel 14, Digital COFDM Modulation, 25 MHz channel

Transmitting at 6512.5 MHz.

Antenna Port Tested: RF Output Port 25 MHz

Test Engineer / Date: D. Lerner / October 10, 2006

Notes: Fundamental frequency exempt from -13 dBm



Sheet 10 of 10