

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: I4U27VT2-L5-E1P5**

Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489

Para. 2.1051
Spurious Emissions at Antenna Terminals

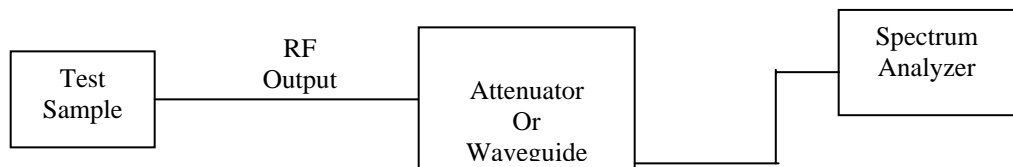
Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489

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	Type	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

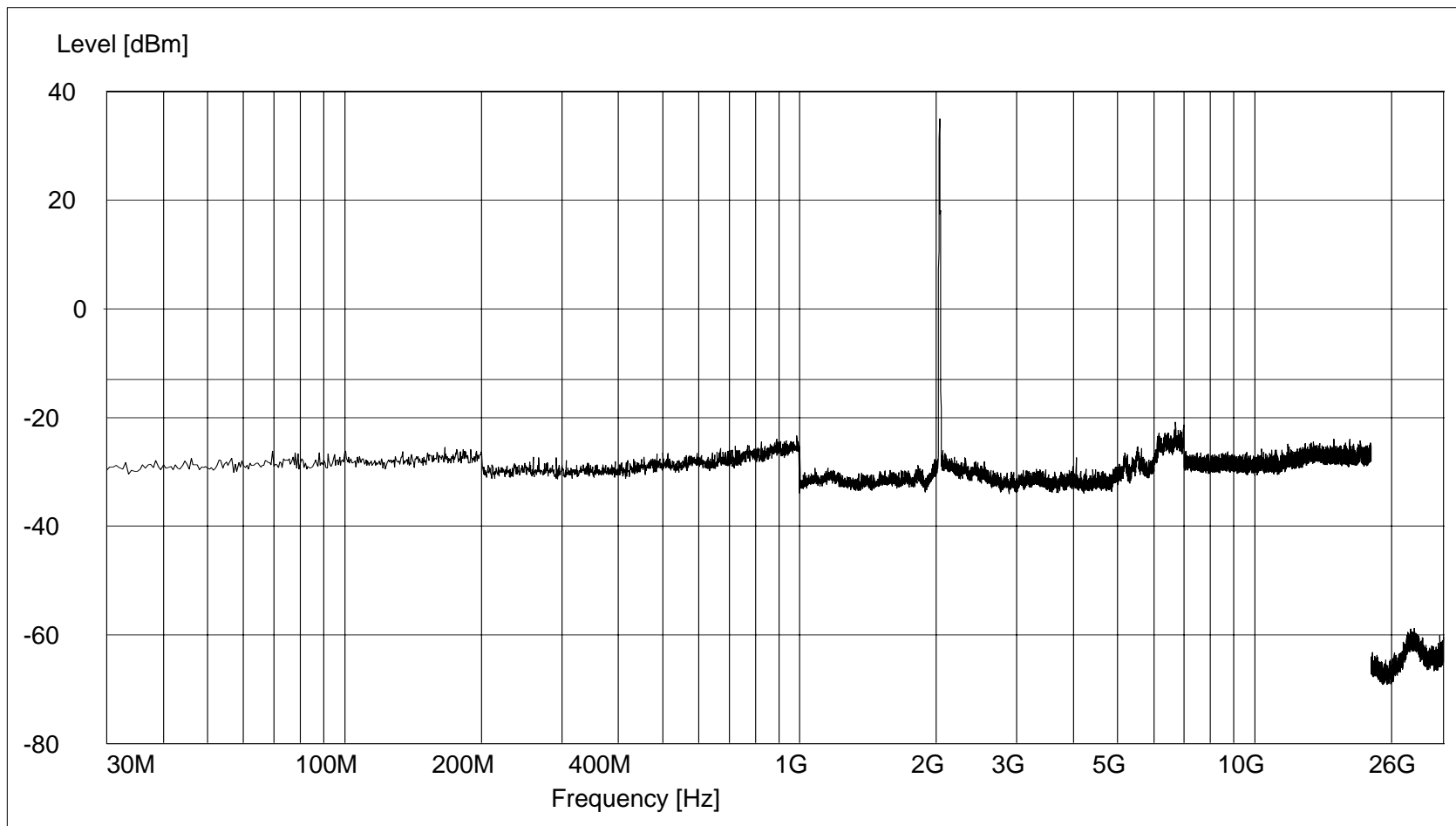
Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489

2 GHz Antenna Port Conducted Emissions,
12 MHz channel spacing plan

Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489

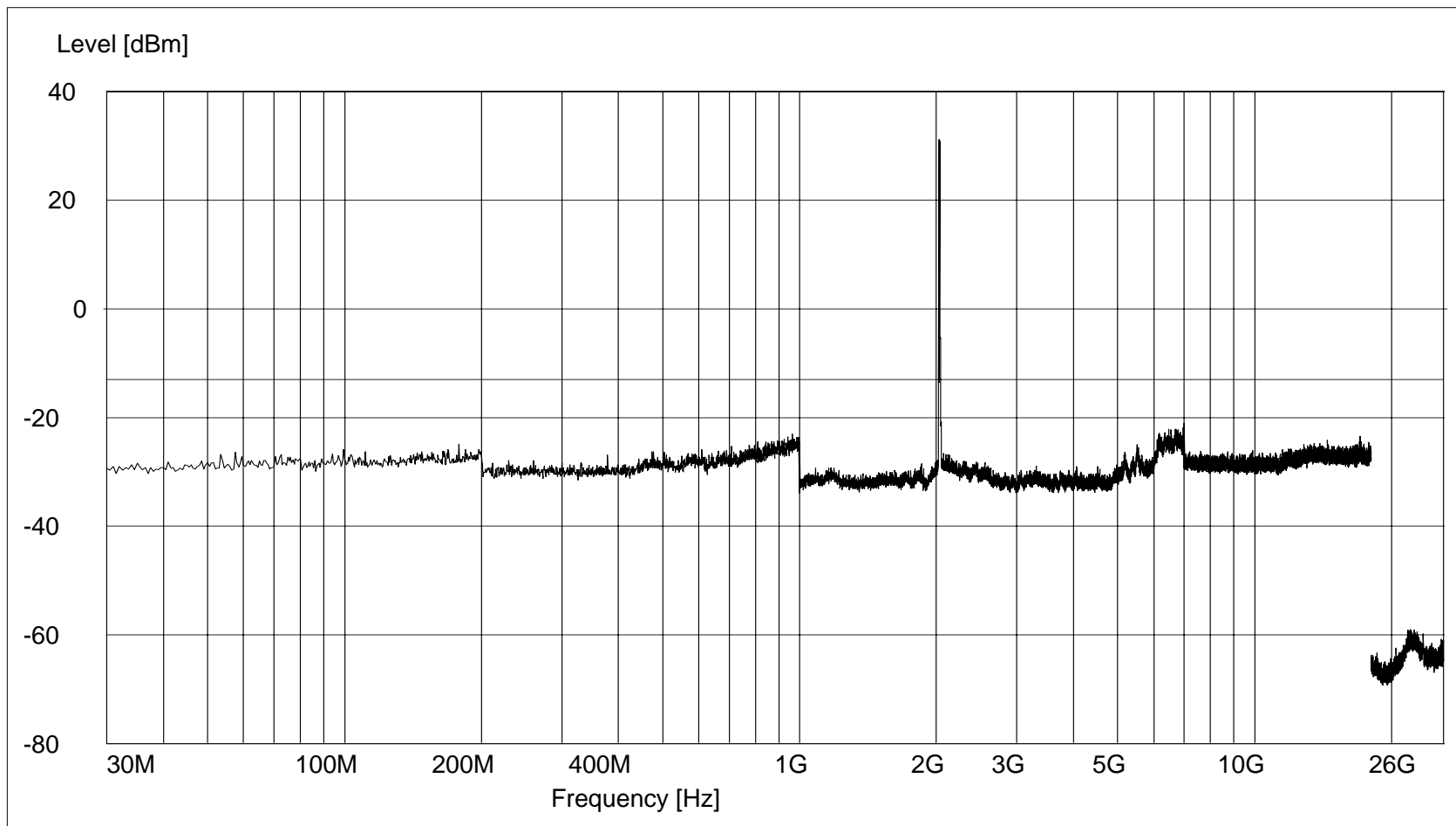
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



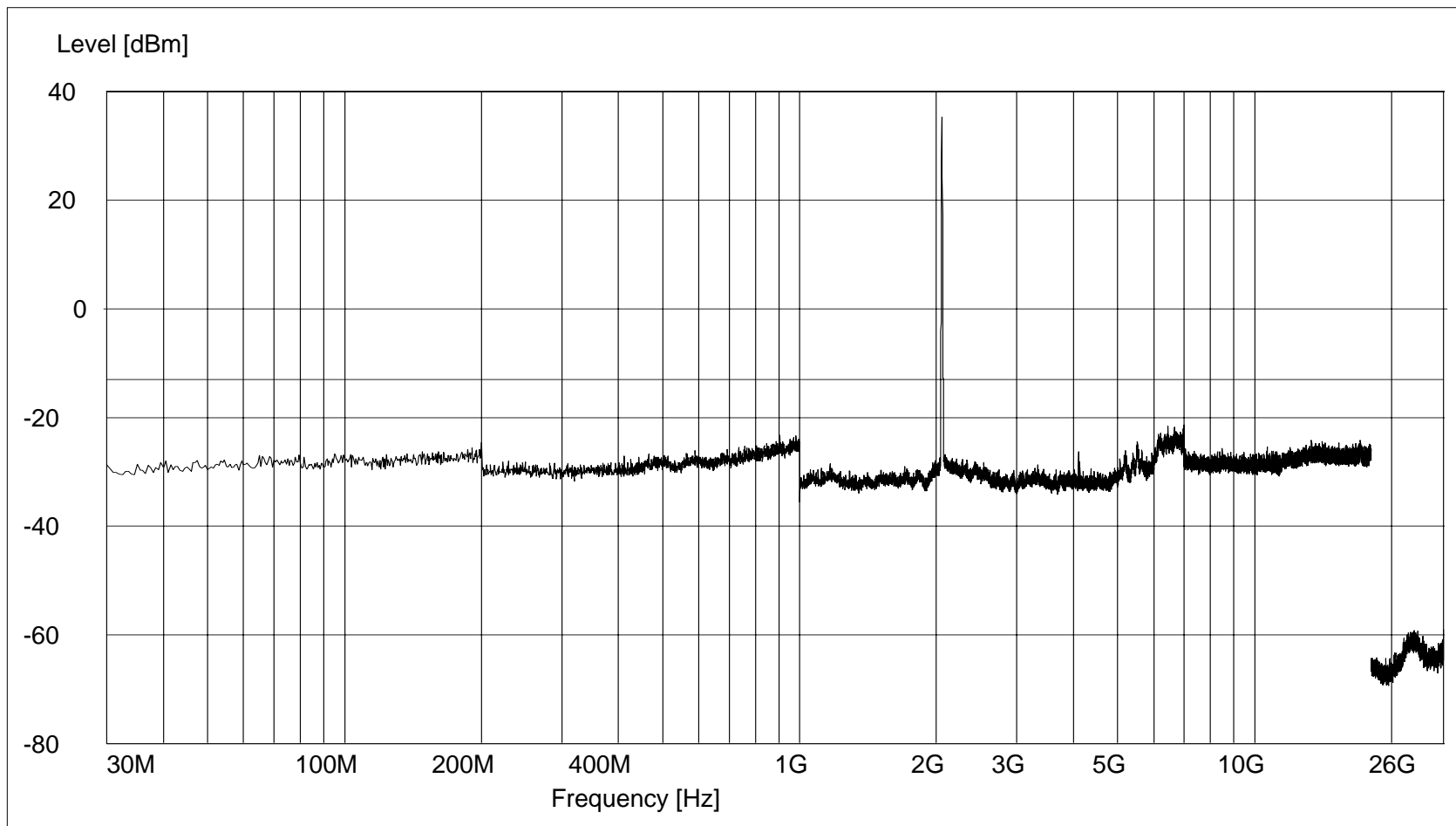
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



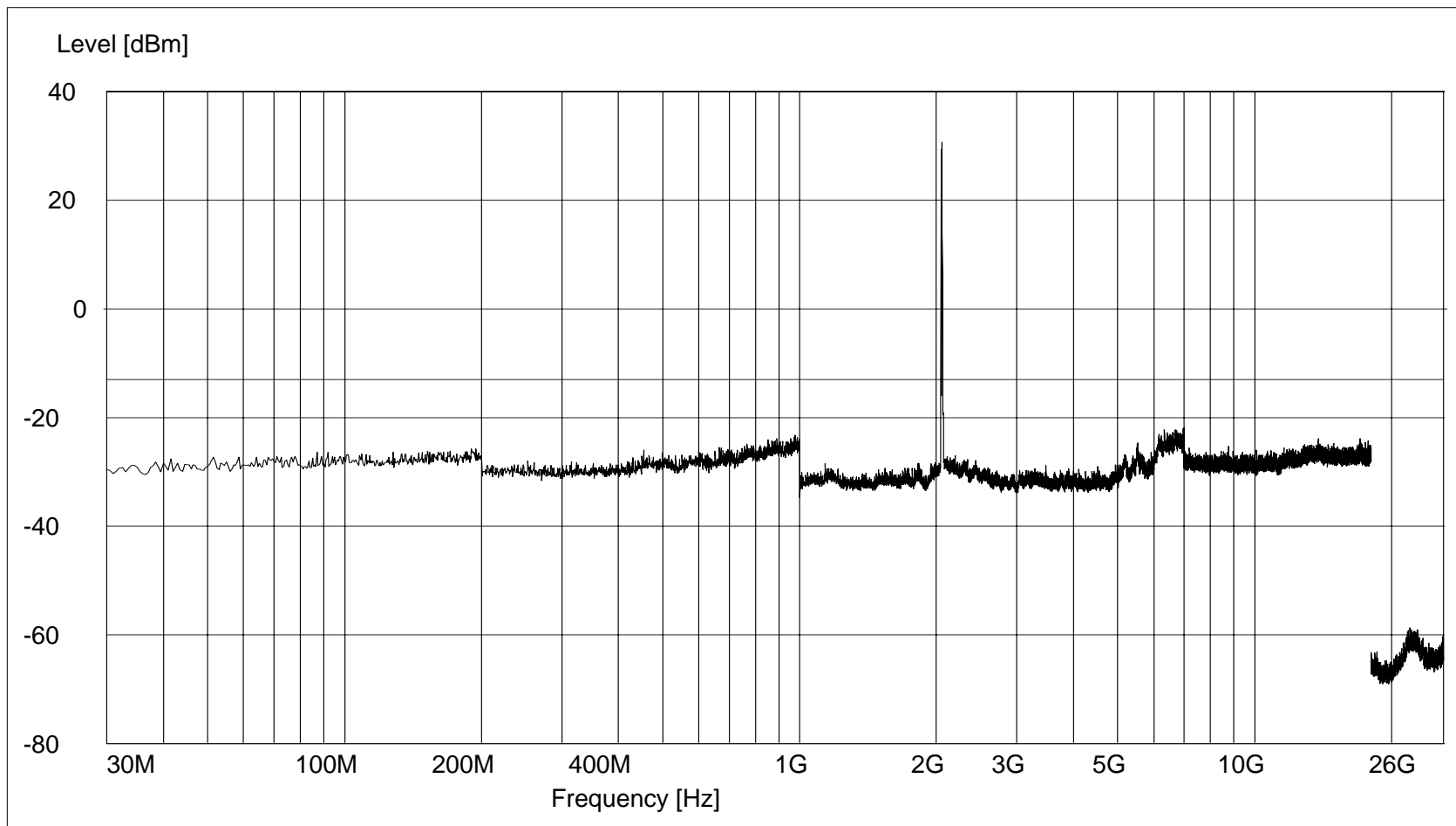
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



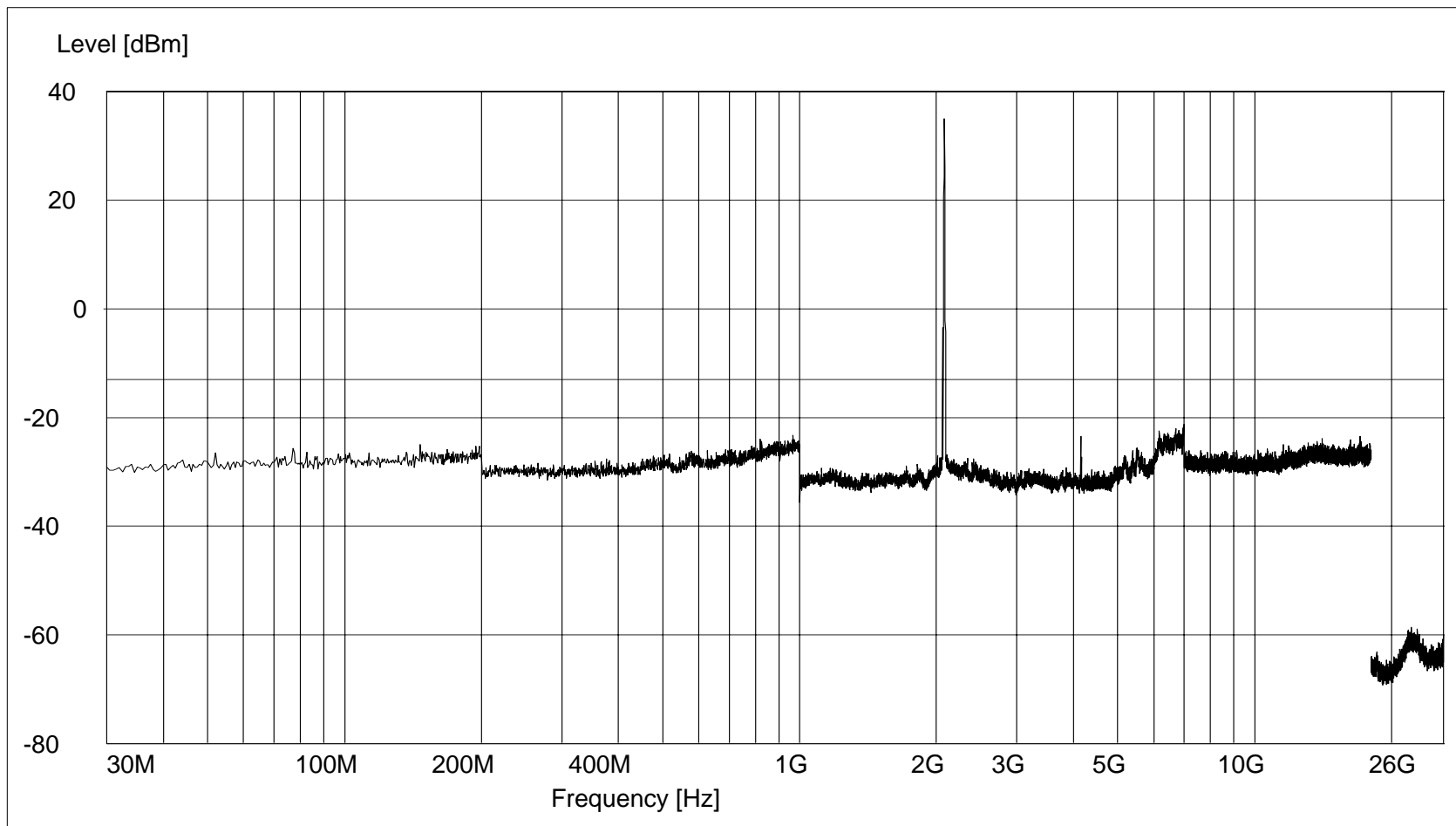
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



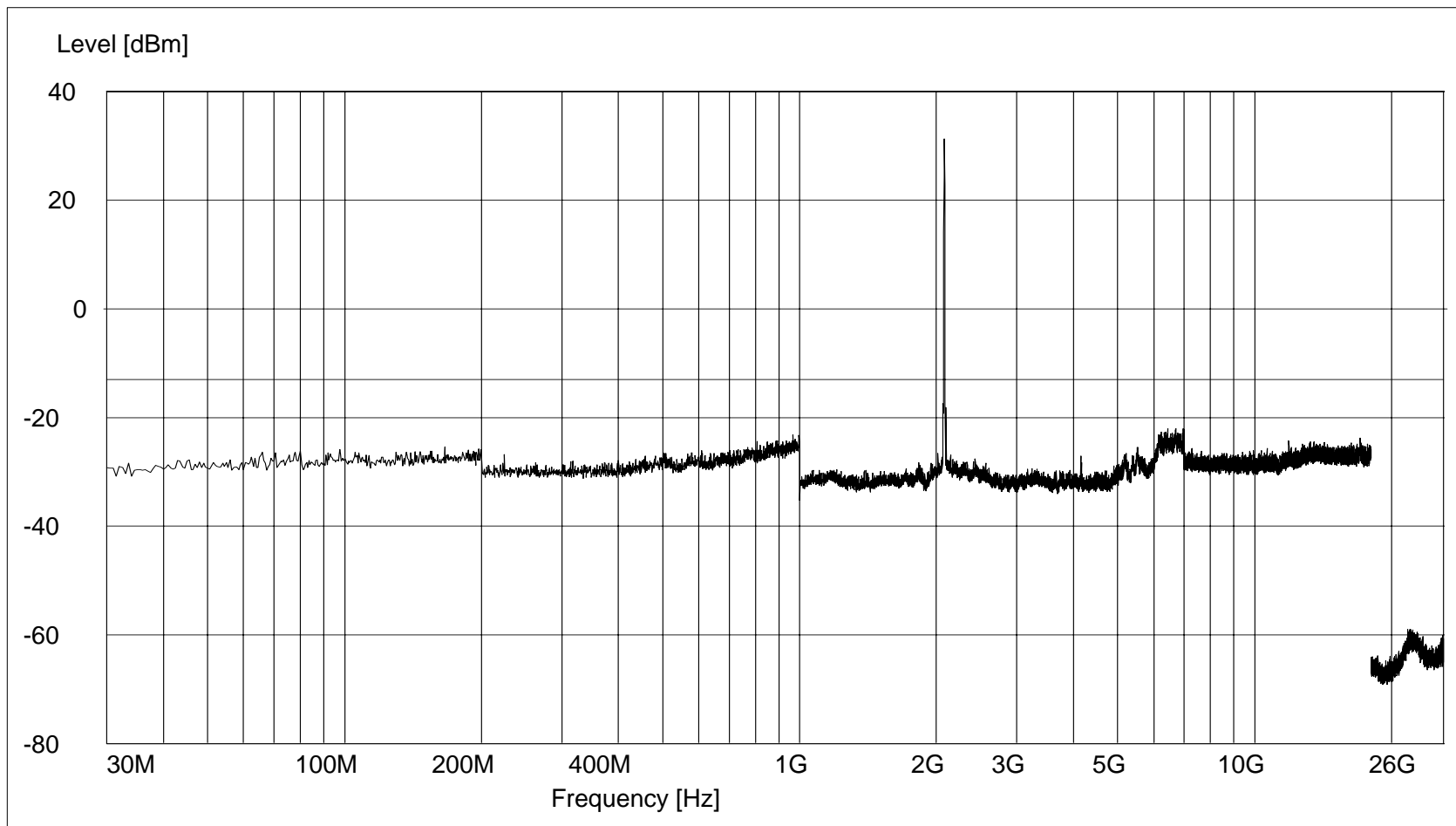
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



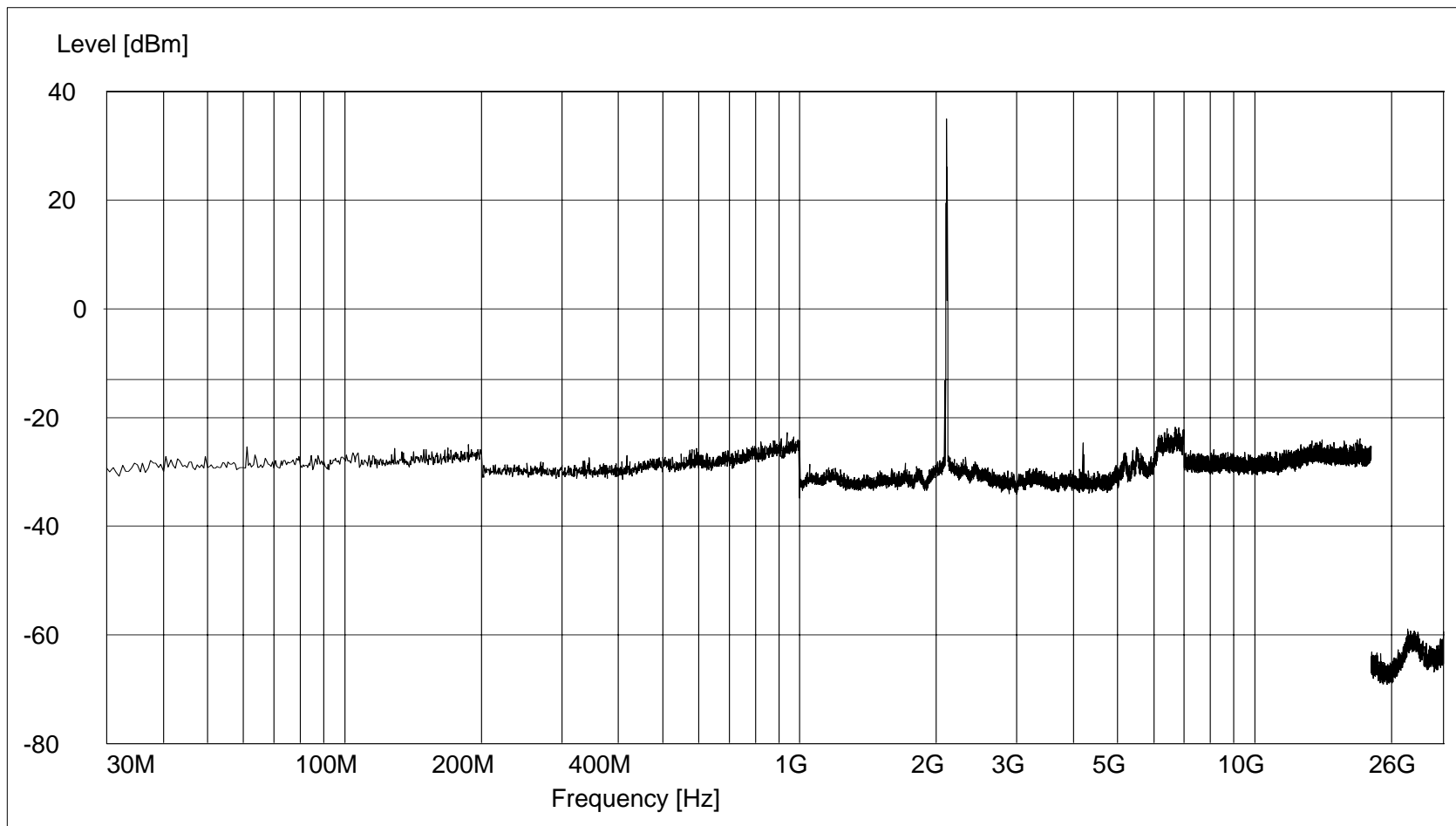
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



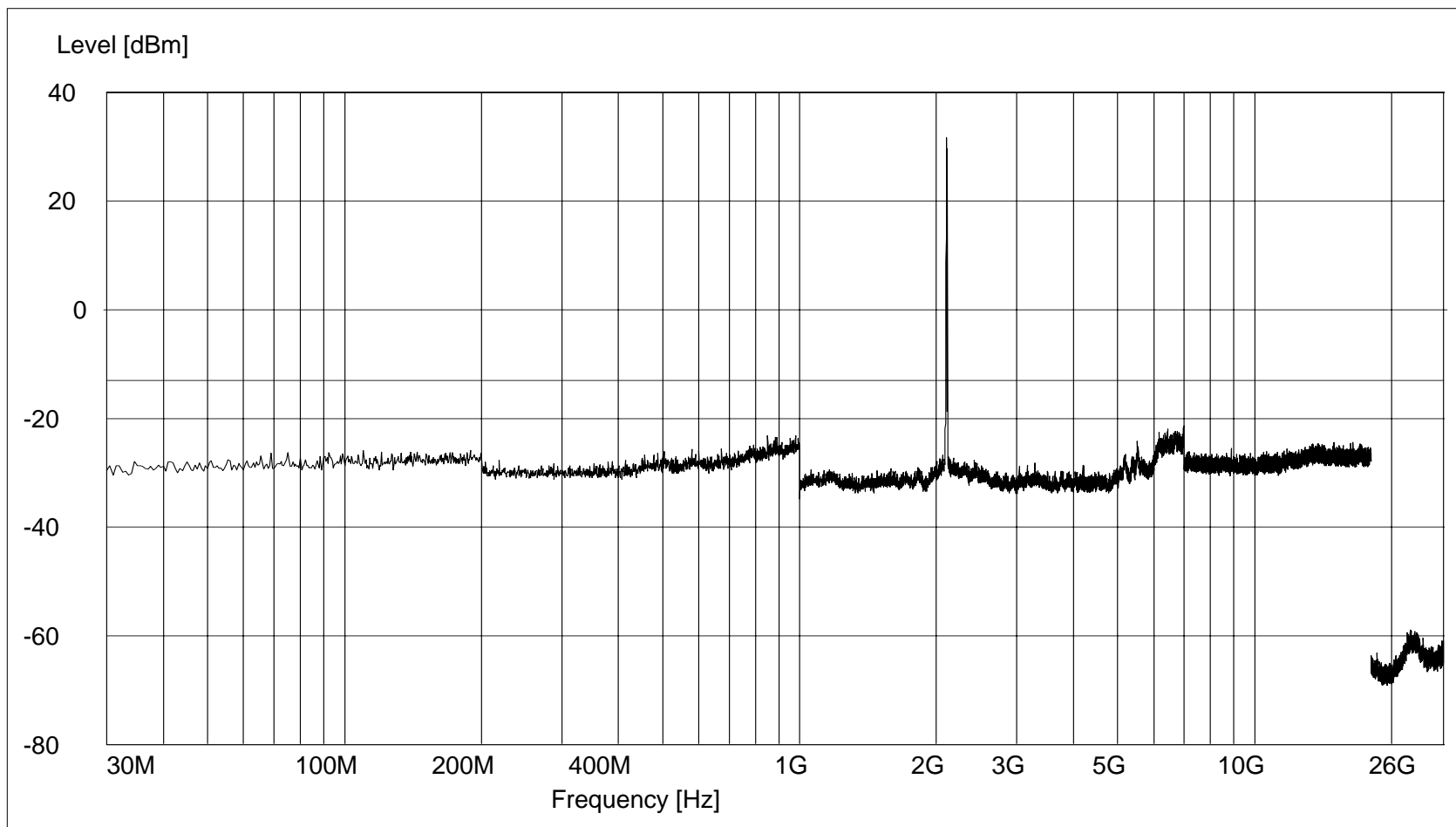
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 12 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm

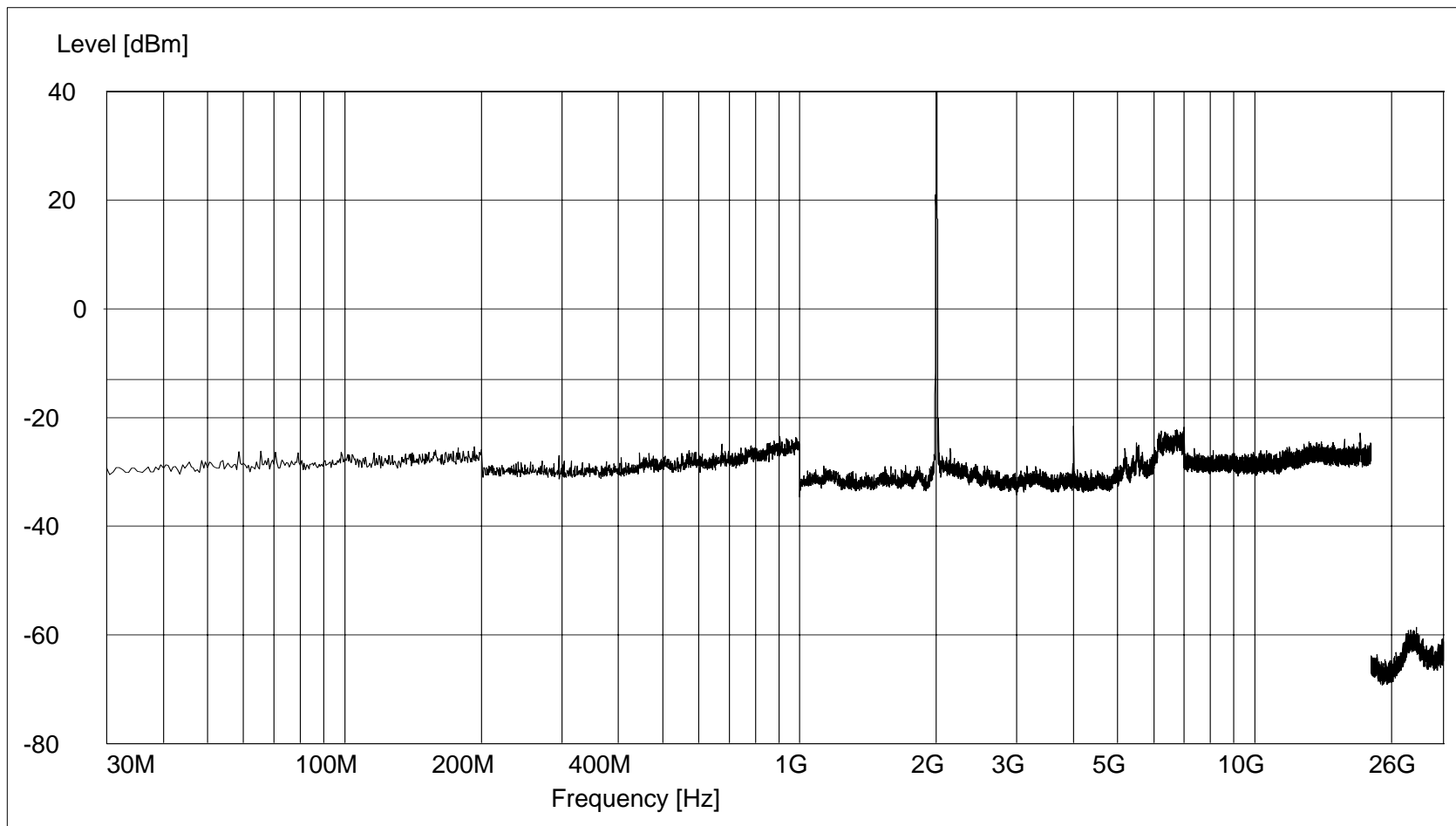


2 GHz Antenna Port Conducted Emissions,
17 MHz channel spacing plan

Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489

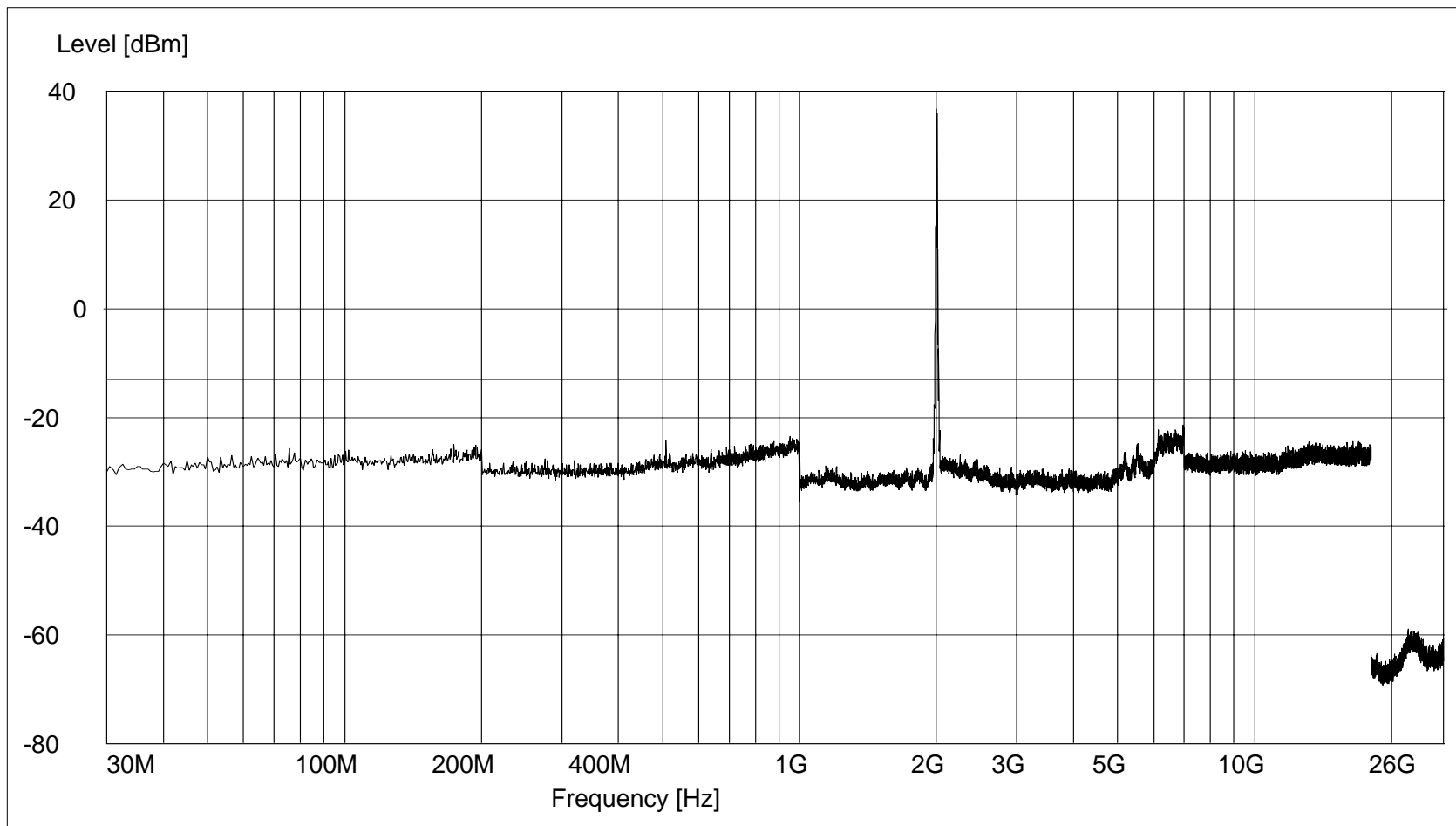
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



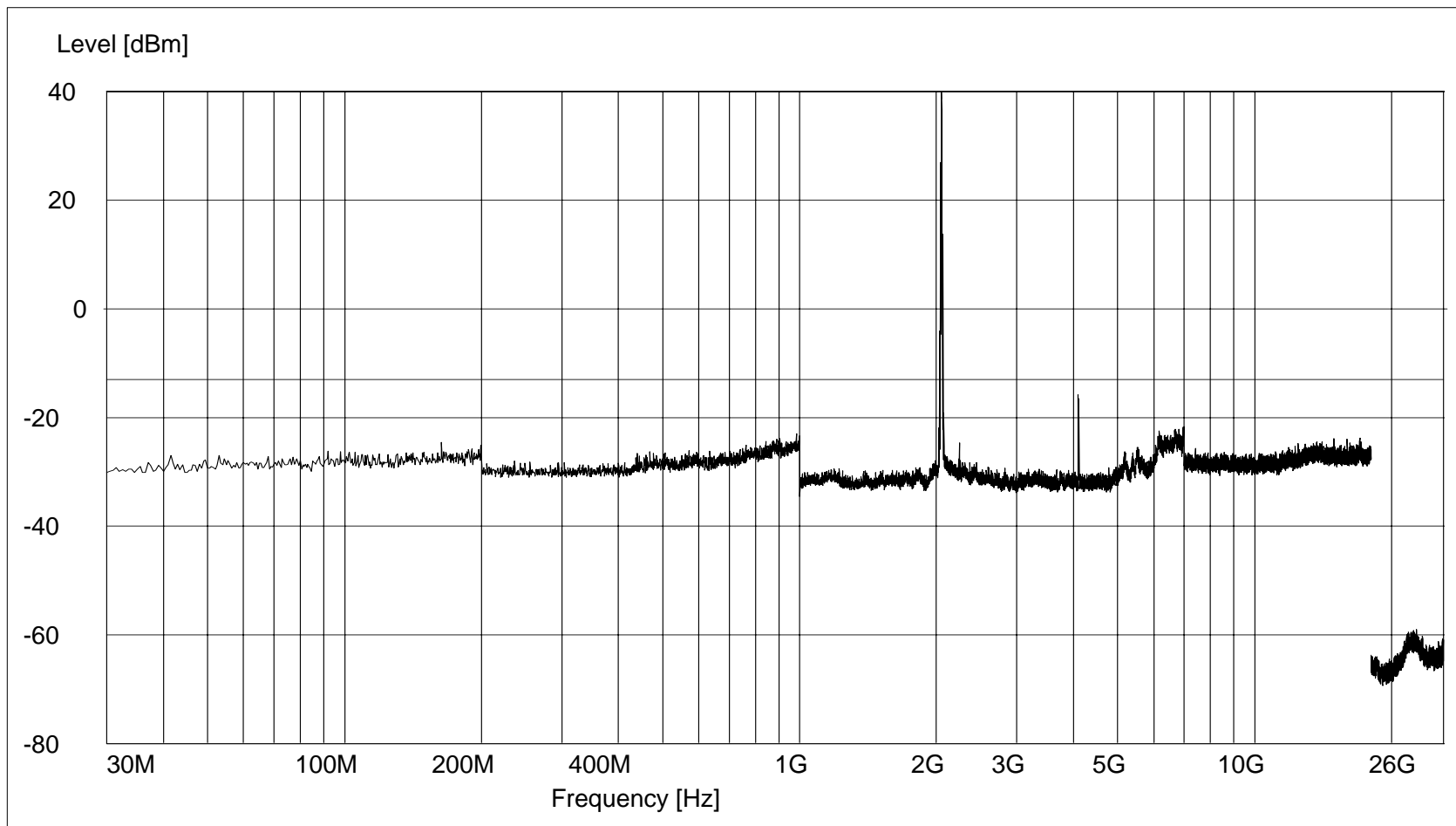
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



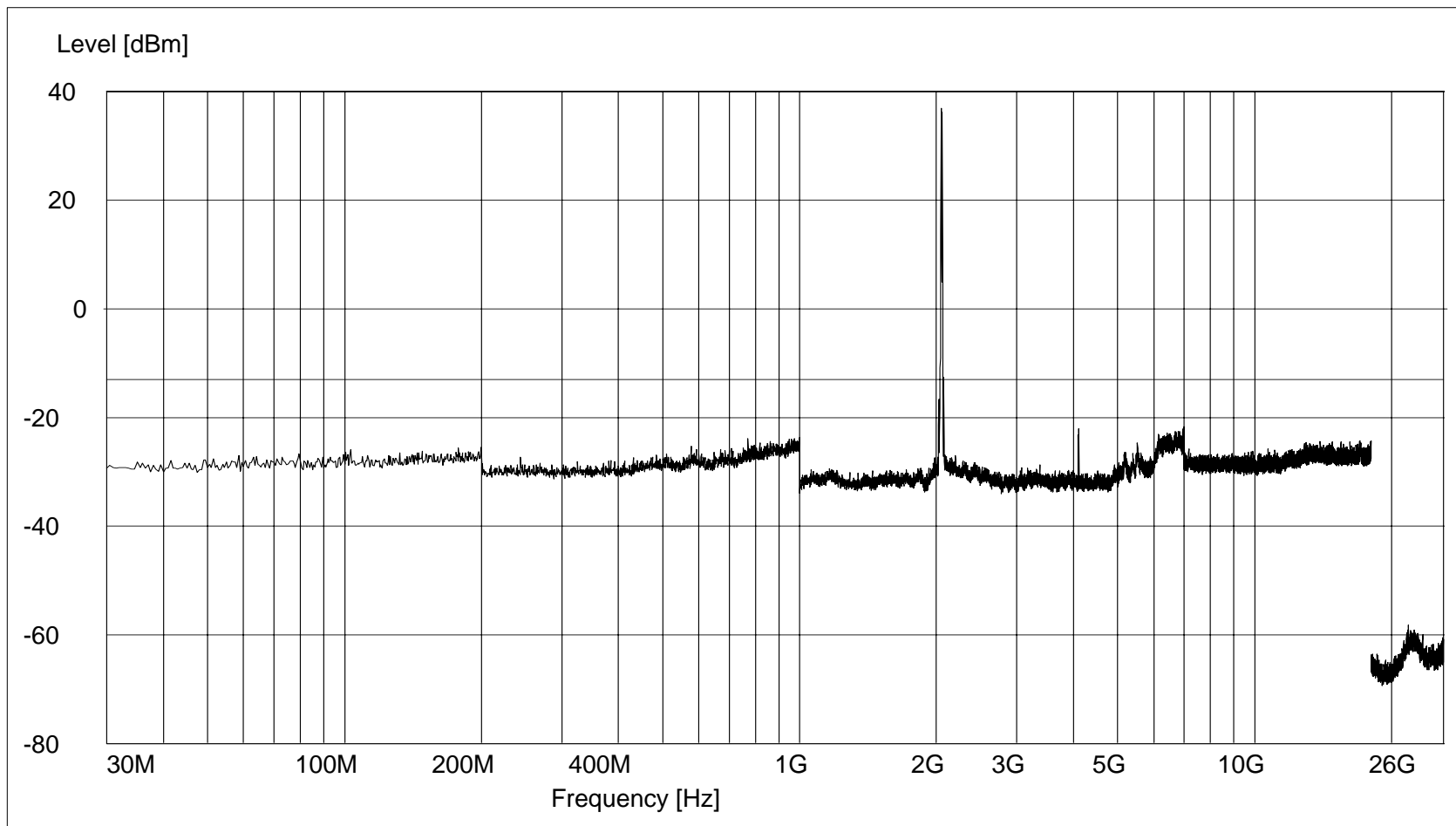
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



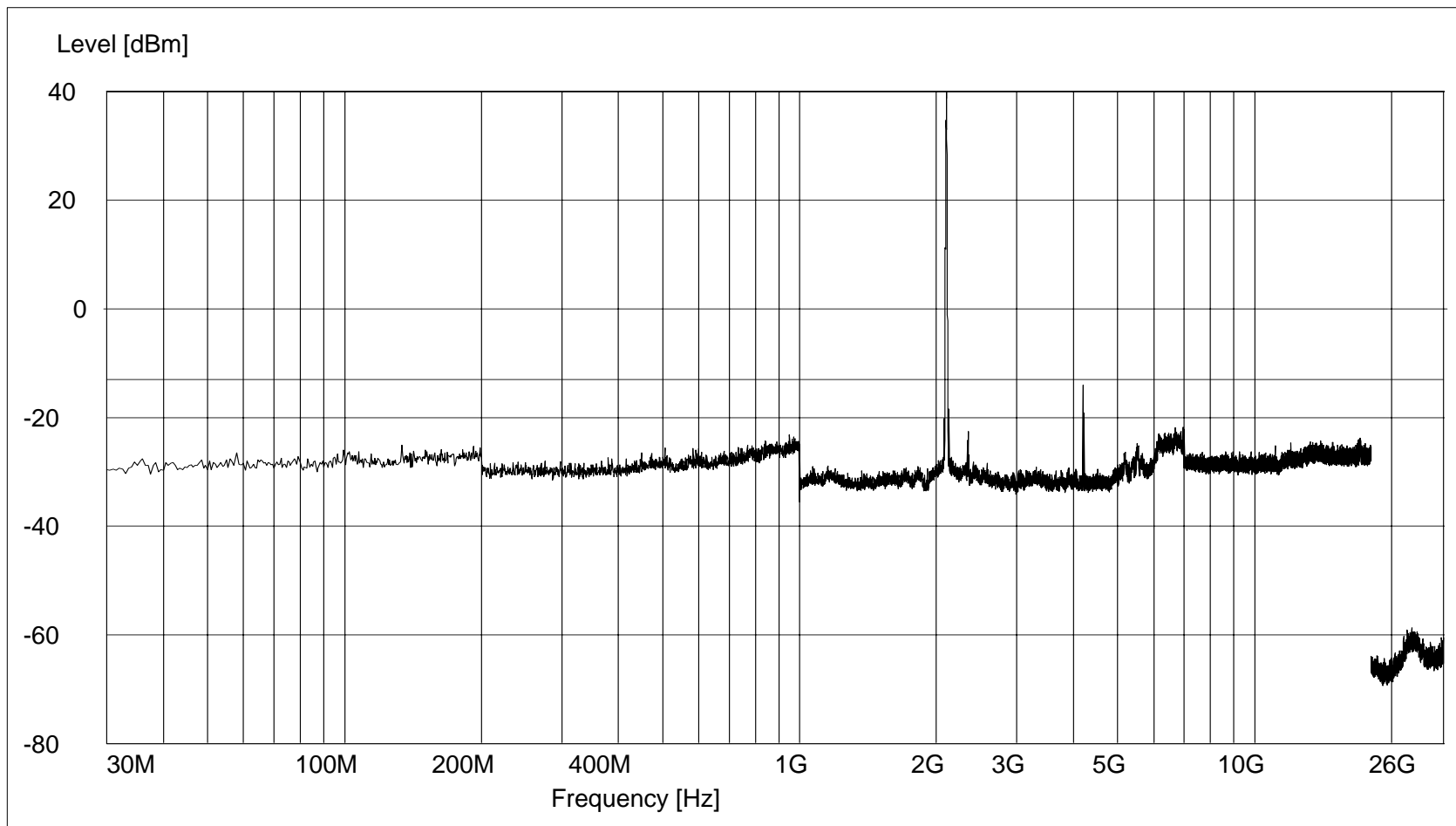
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



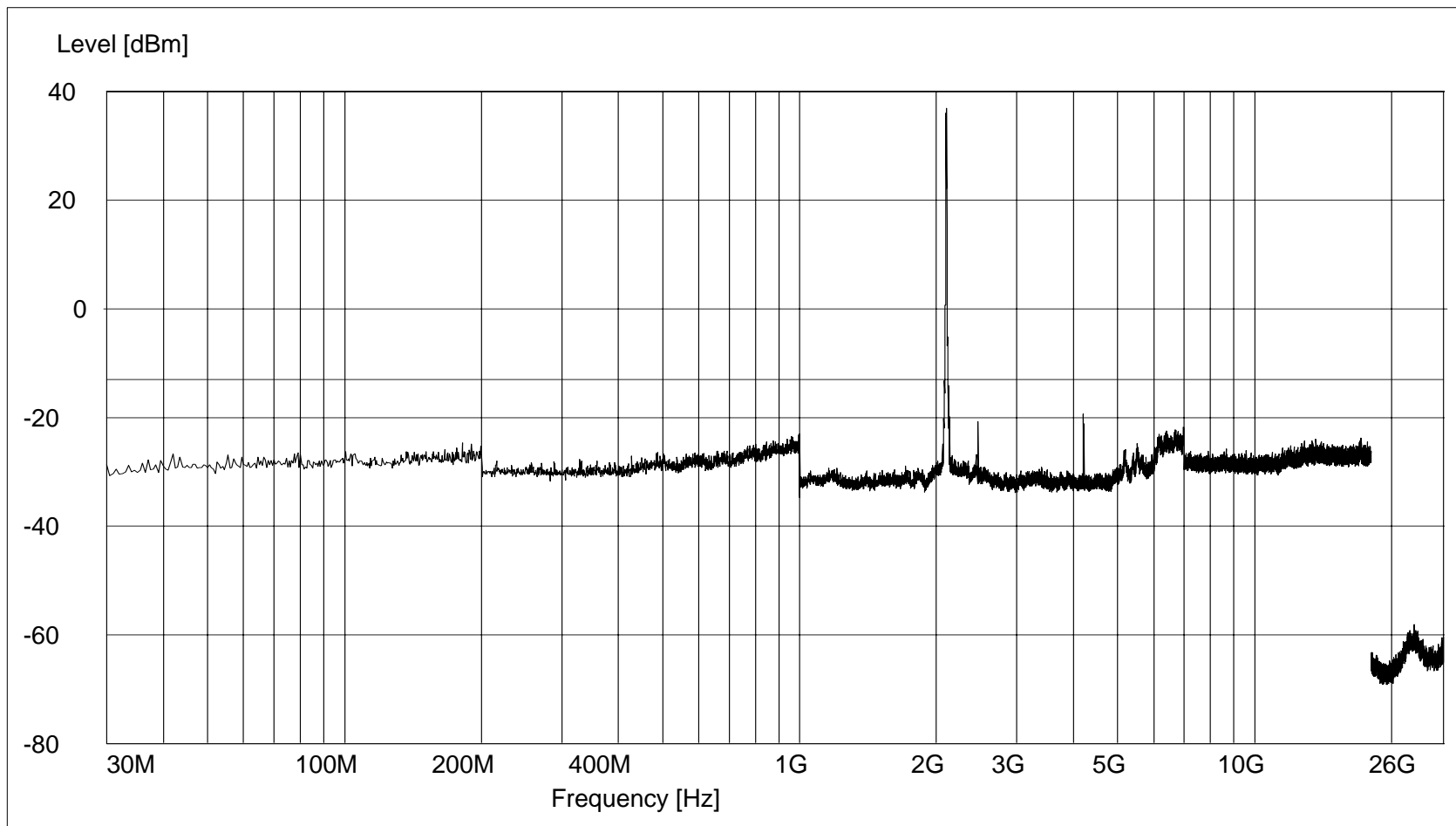
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



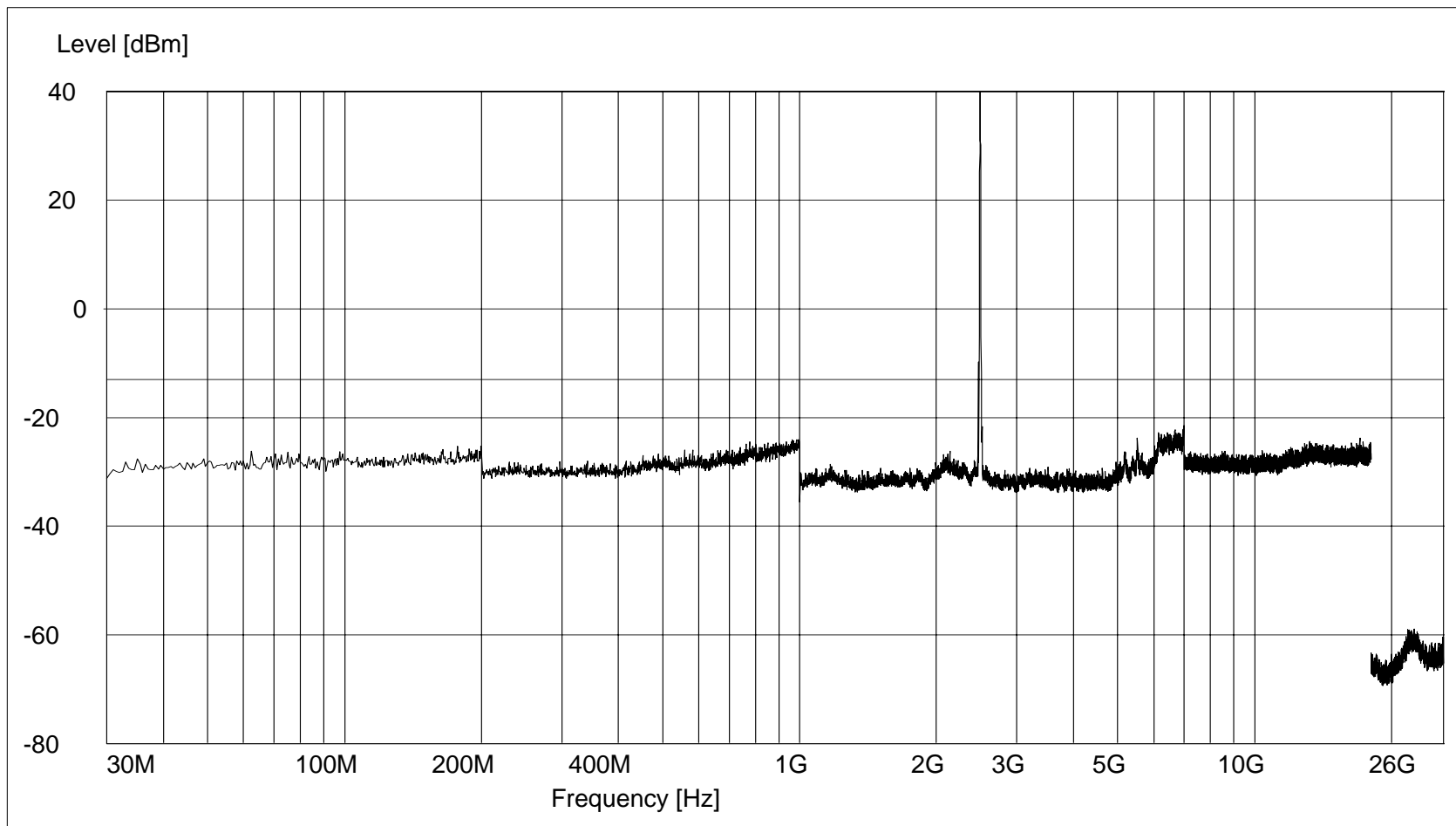
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



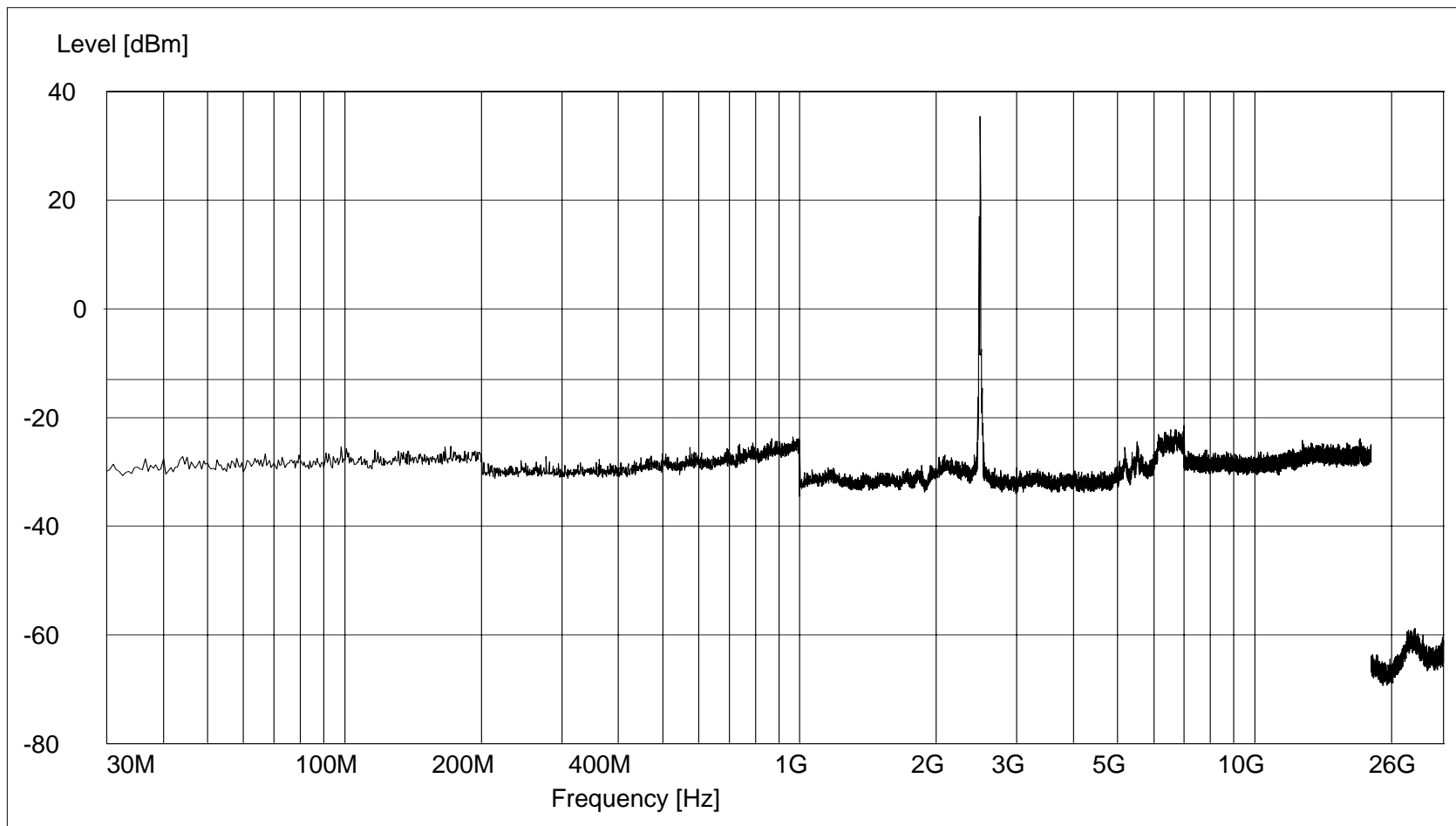
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 2 GHz Directional / 17 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm

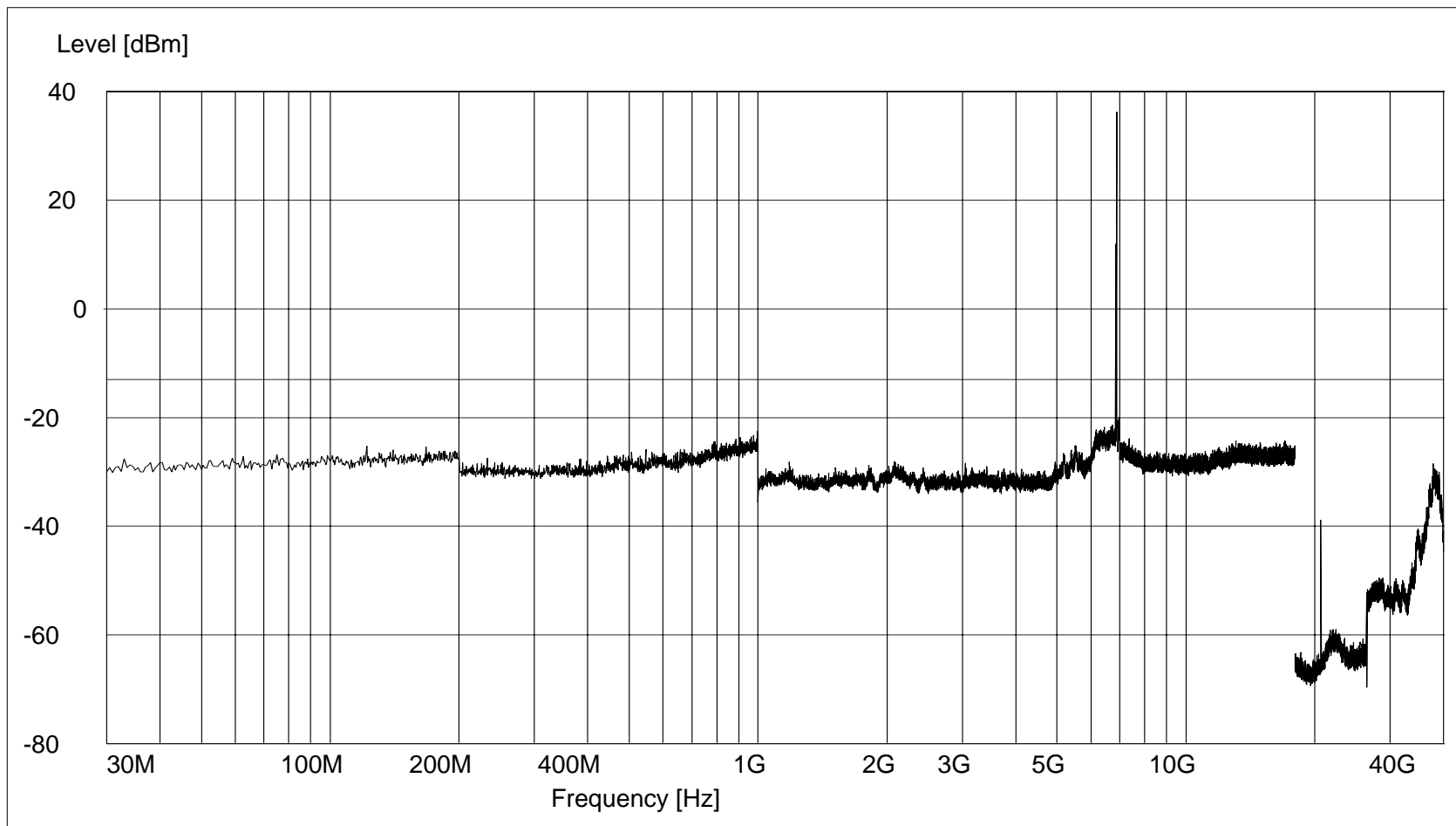


7 GHz Antenna Port Conducted Emissions,
25 MHz channel spacing plan

Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489

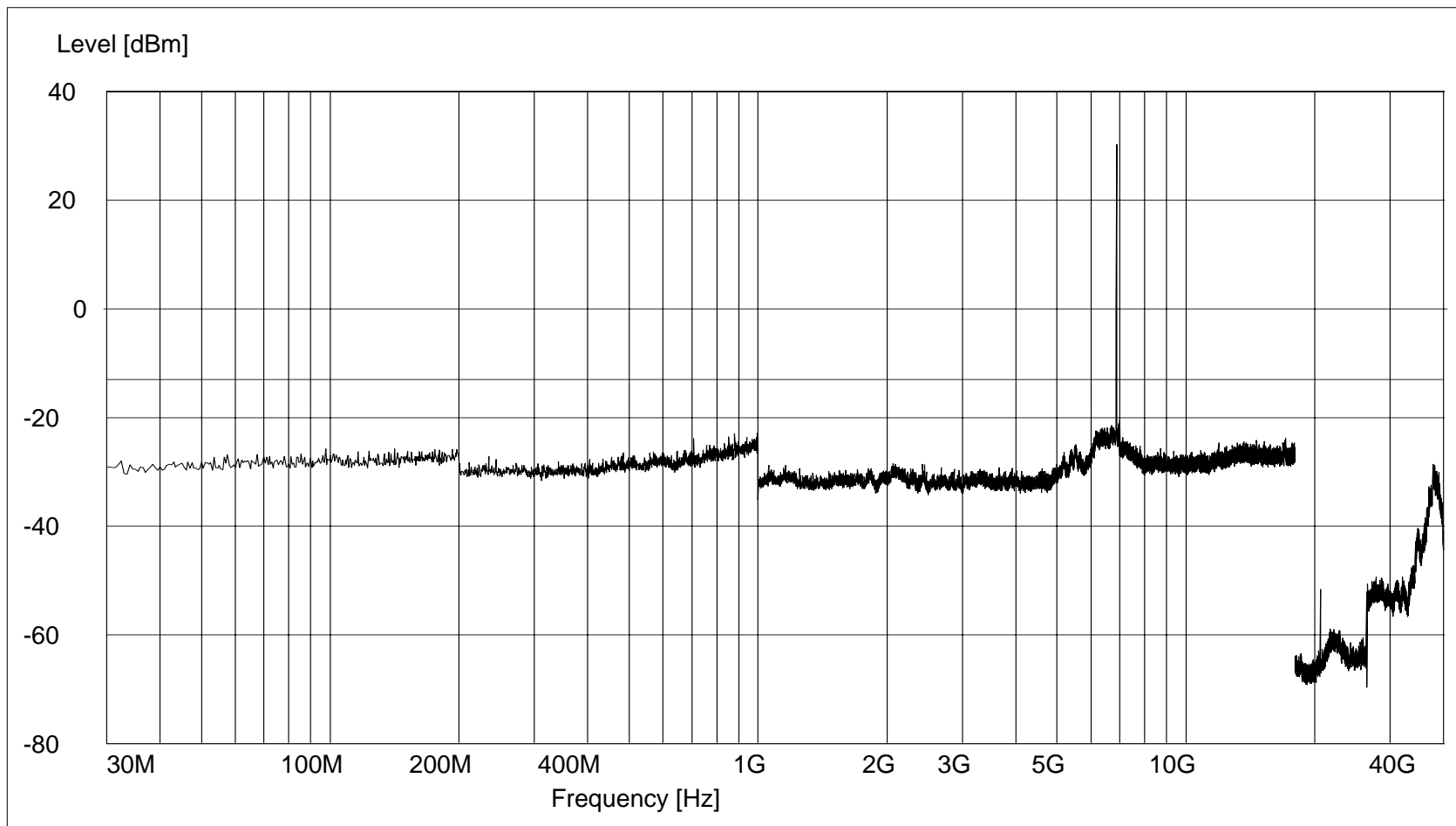
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



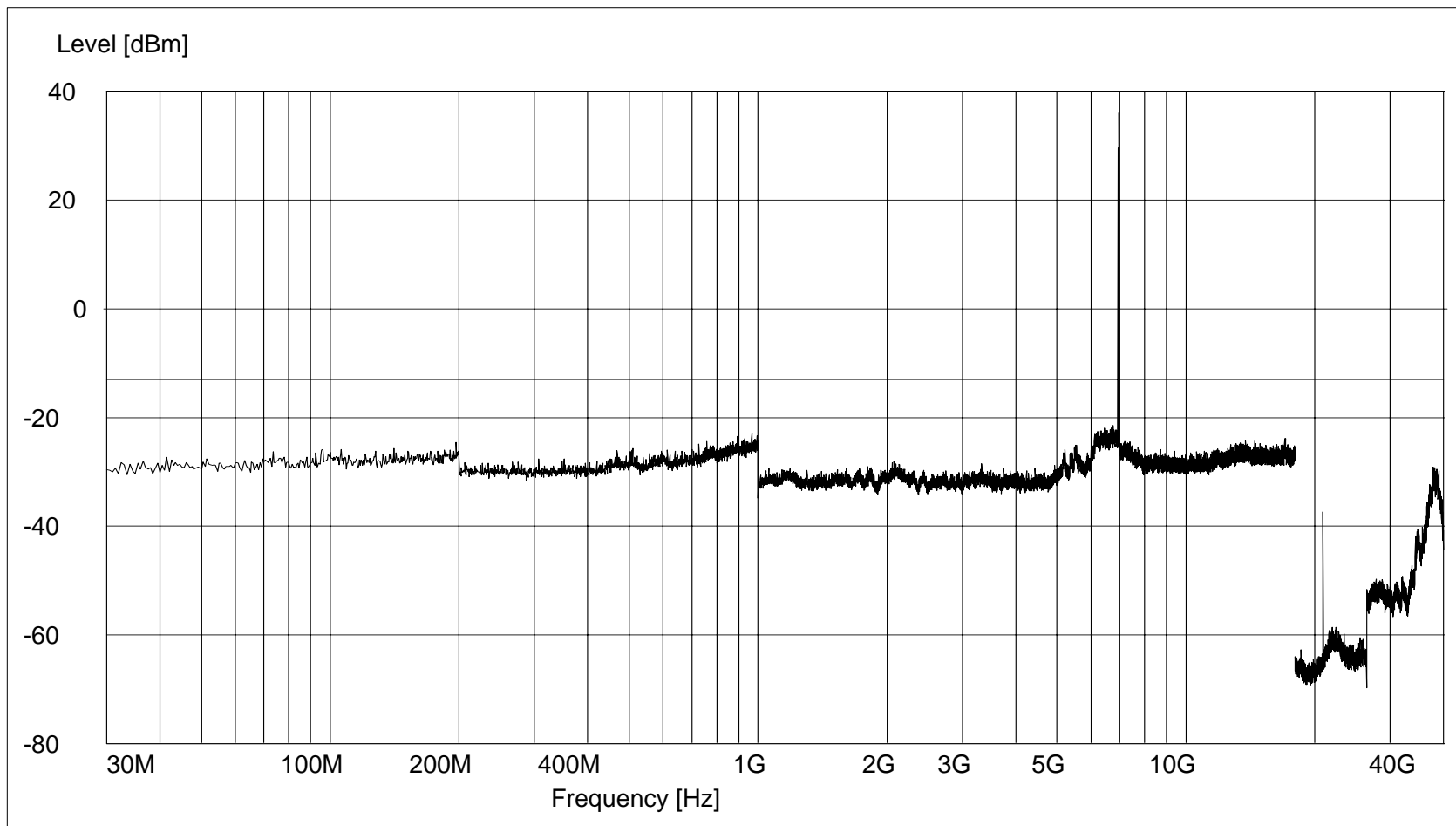
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



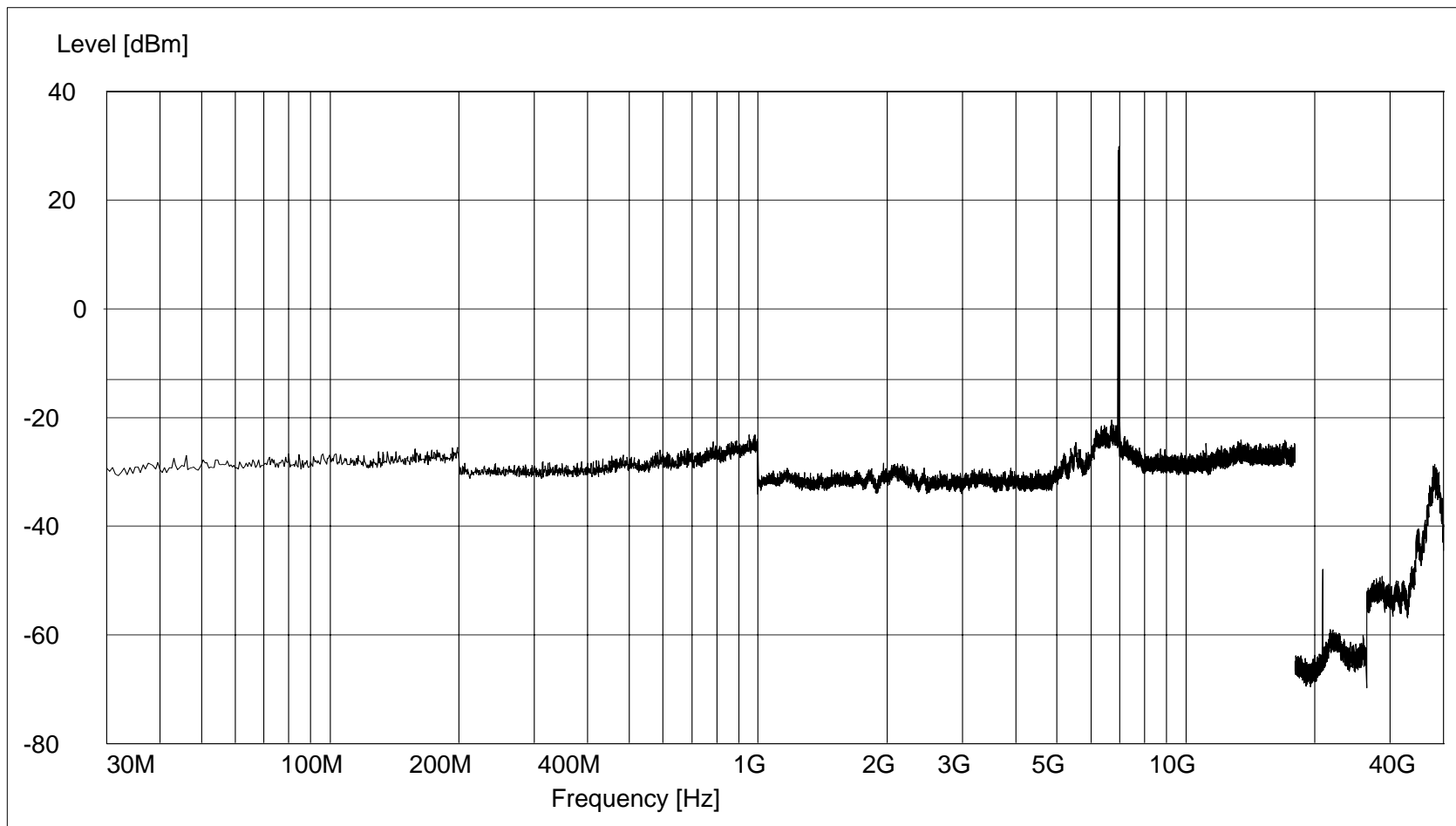
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



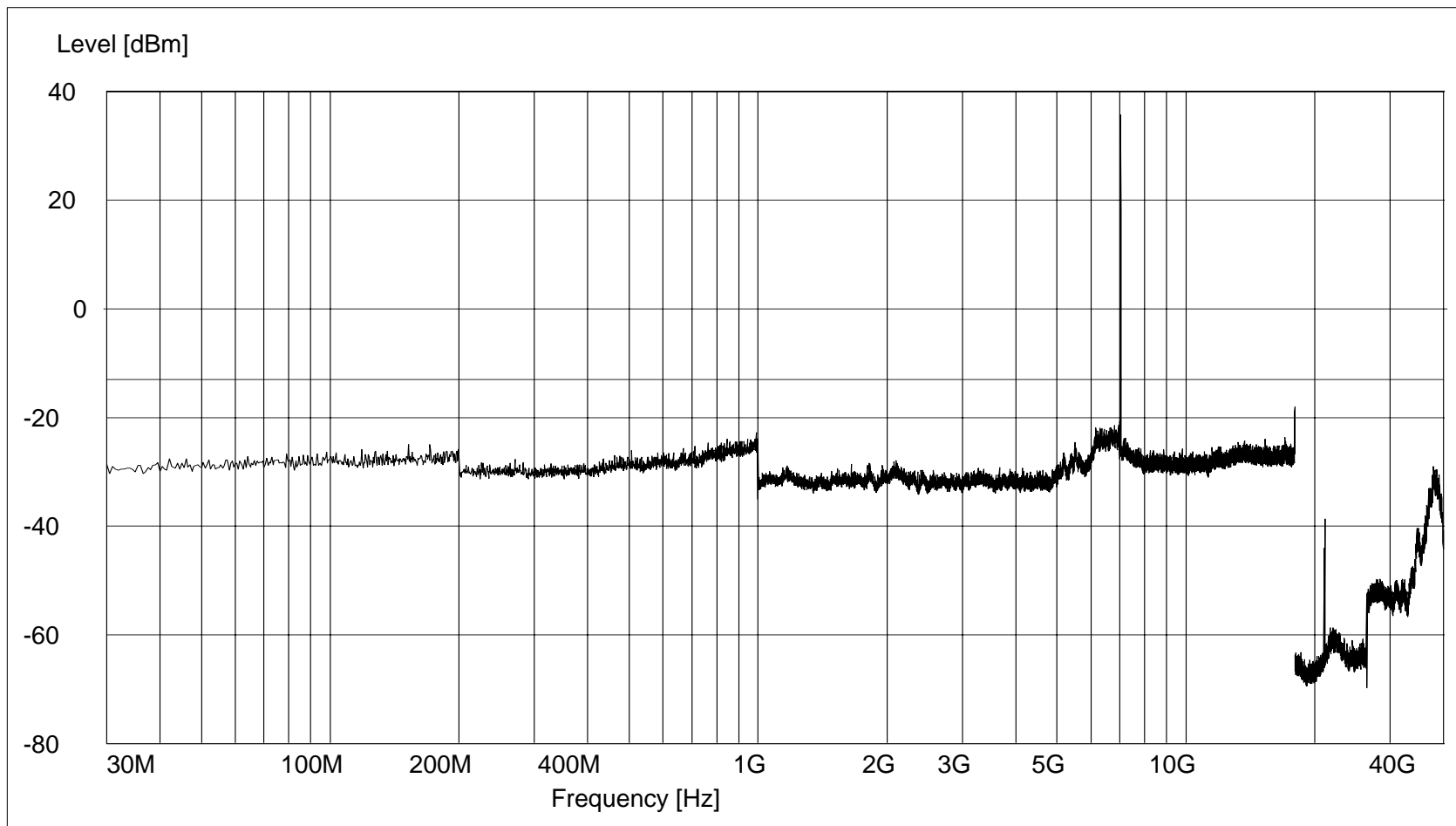
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



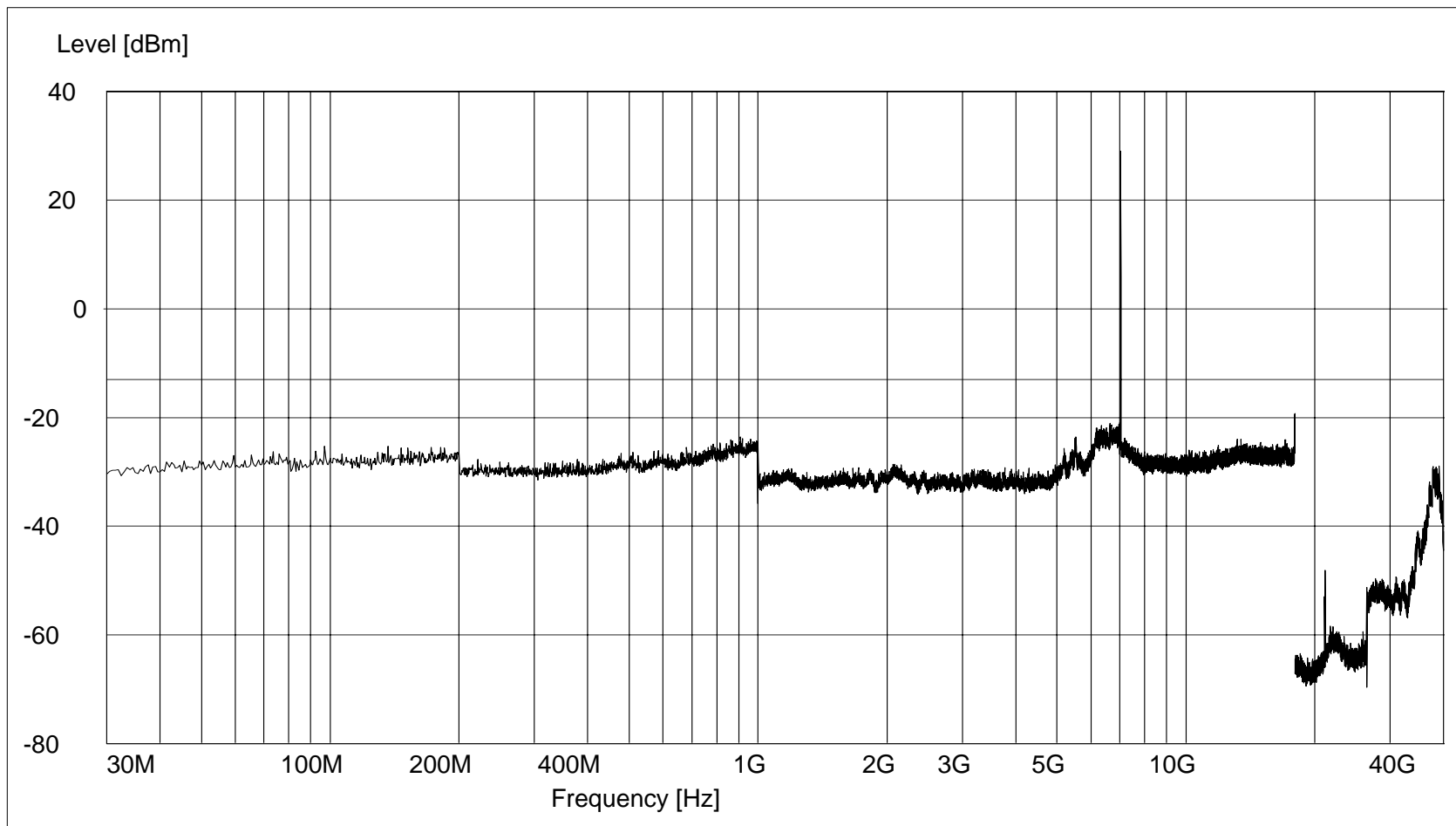
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



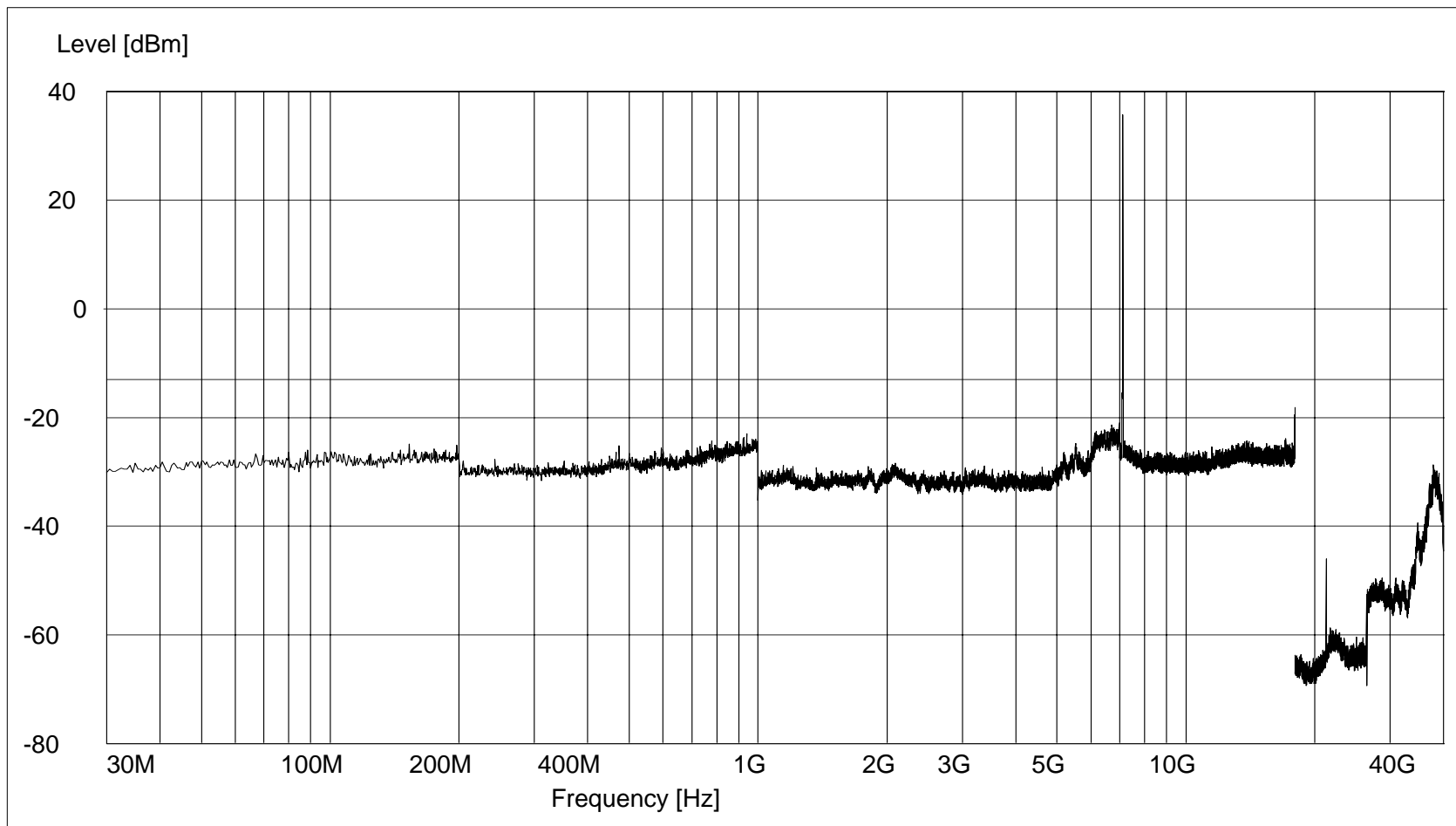
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



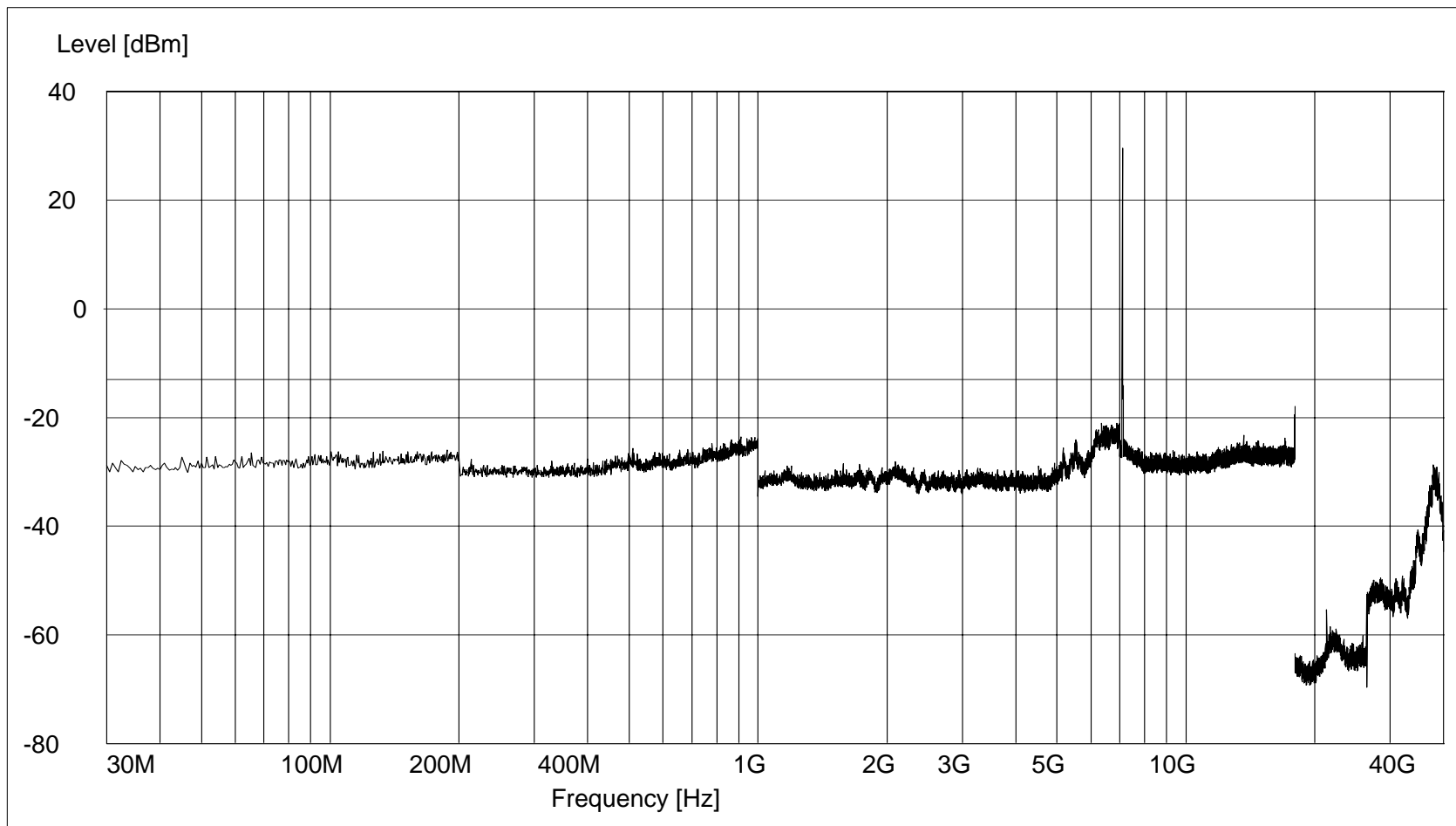
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



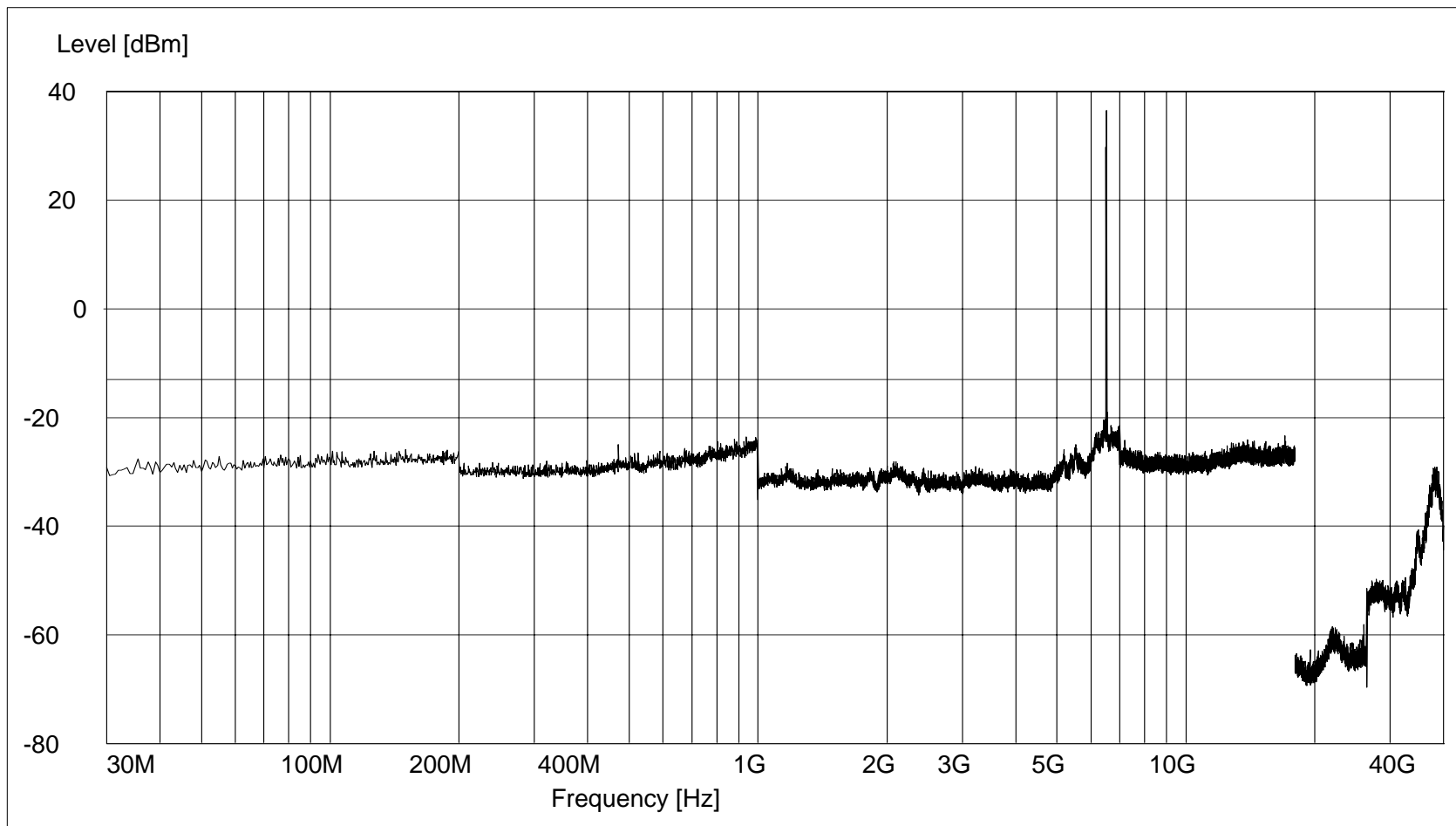
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



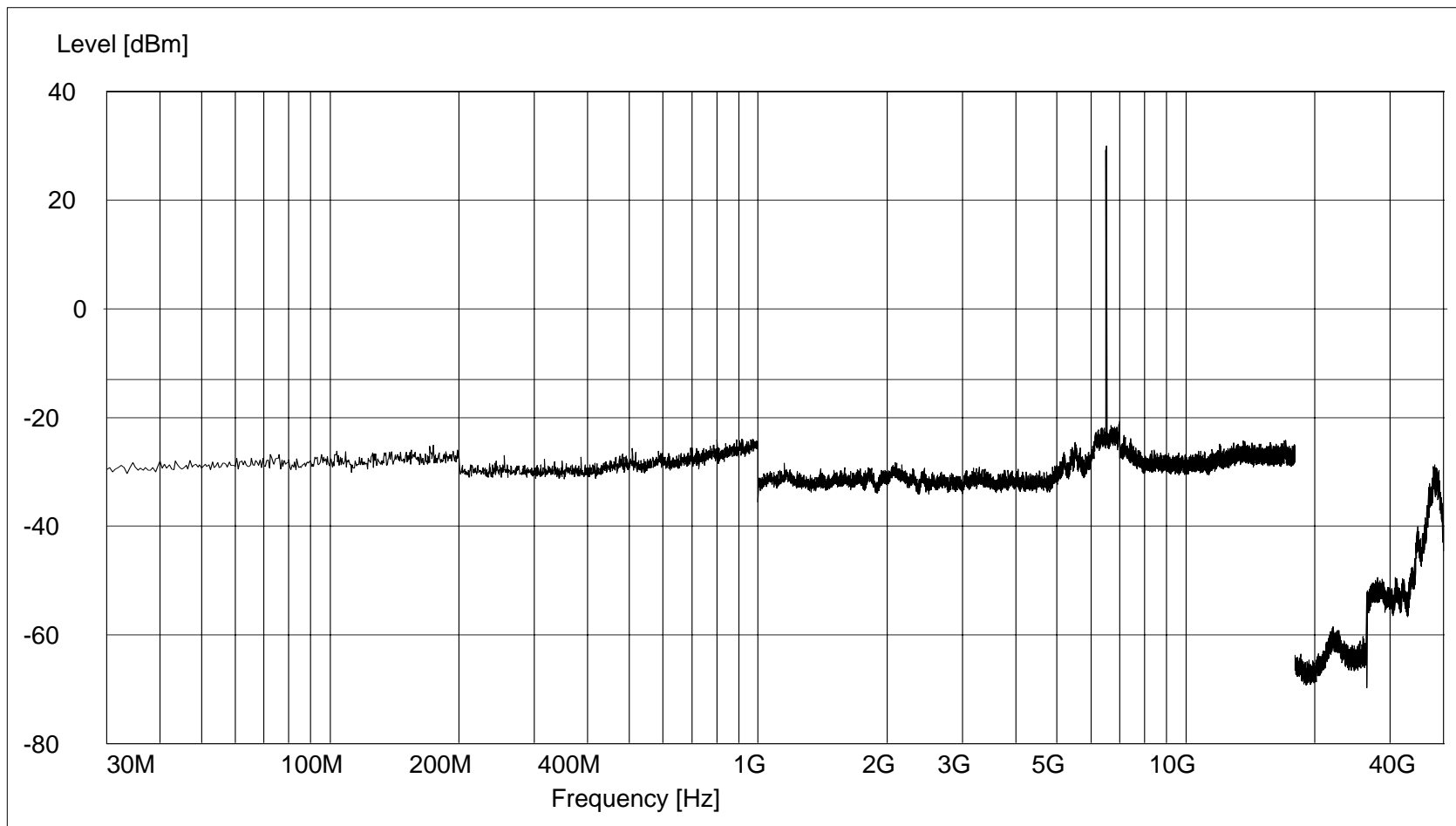
FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



FCC Antenna Conducted Emissions, 30 MHz to 40 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog ENG/OB Van Transmitter
Part Number: 2/7NCVT2-L5E1.5-326-A2C2K
FCC ID Number: I4U27VT2-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: 7 GHz Directional / 25 MHz Channel
Test Engineer / Date: D. Lerner / October 6, 2006
Notes: Fundamental frequency exempt from -13 dBm



Applicant: Nucomm, Inc.
FCC ID: I4U27VT2-L5-E1P5
Retlif Testing Laboratories Report No.: R-11489