

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

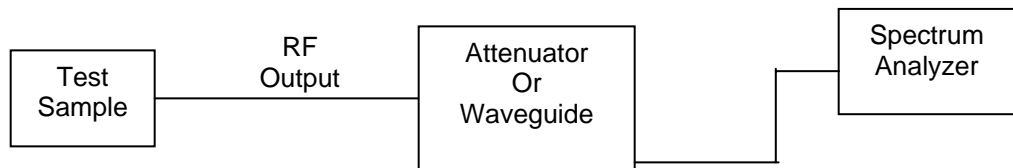
Applicant: Nucomm, Inc.
FCC ID: I4U27CMT1-L5-E1P5
Retlif Testing Laboratories Report No.: R-11907

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 . (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

Antenna Conducted Emissions

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
1007	10.0 dB Attenuator	Narda	DC - 18 GHz	776C-10	11/30/2006	11/30/2007
1009	30.0 dB Attenuator	Narda	DC - 18 GHz	776C-30	11/30/2006	11/30/2007
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: I4U27CMT1-L5-E1P5

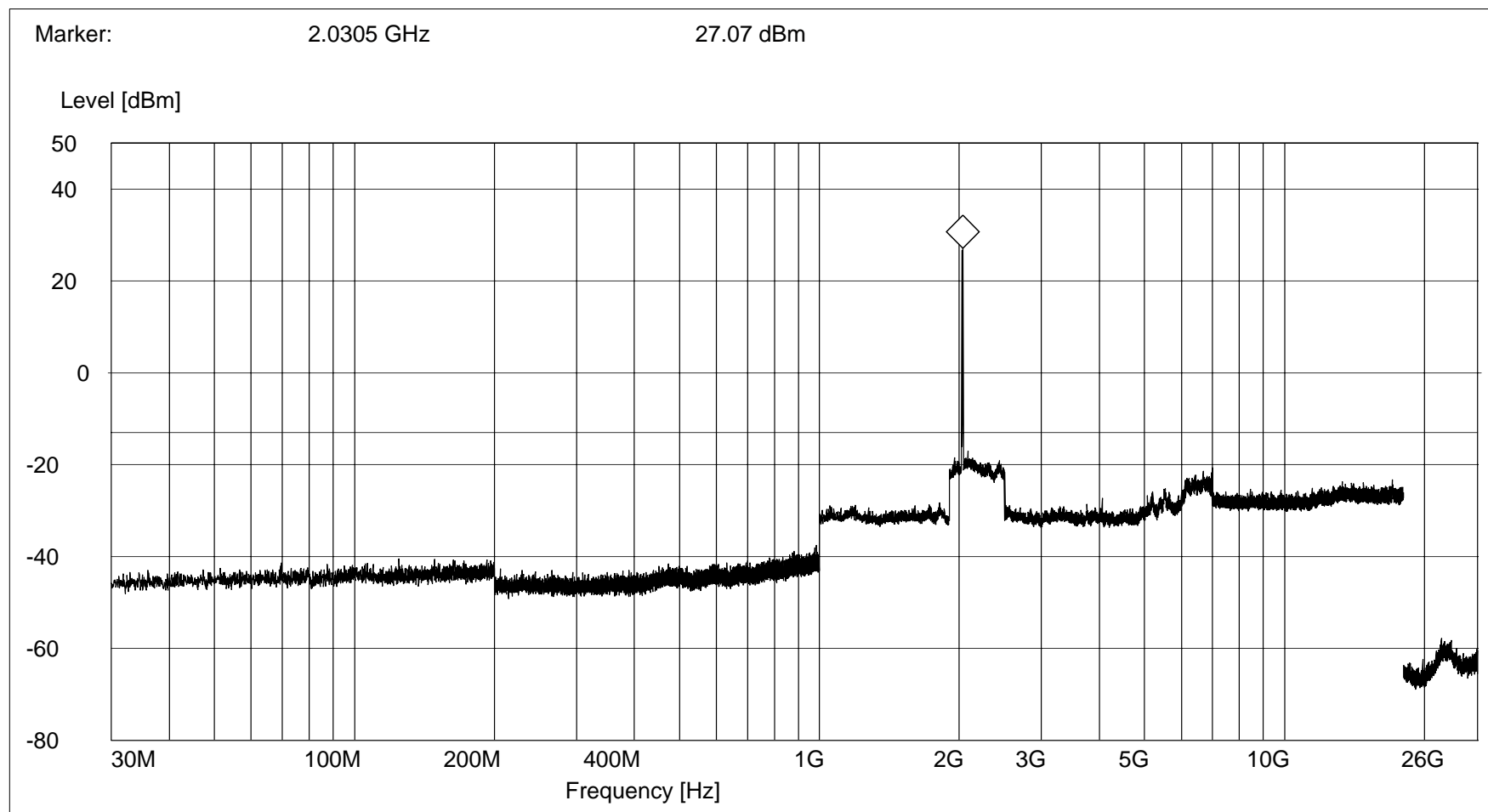
Retlif Testing Laboratories Report No.: R-11907

Antenna Conducted Emissions
30 MHz to 26 GHz
Digital Modulation, 12 MHz Channel
Low Power, Test Data

Applicant: Nucomm, Inc.
FCC ID: I4U27CMT1-L5-E1P5
Retlif Testing Laboratories Report No.: R-11907

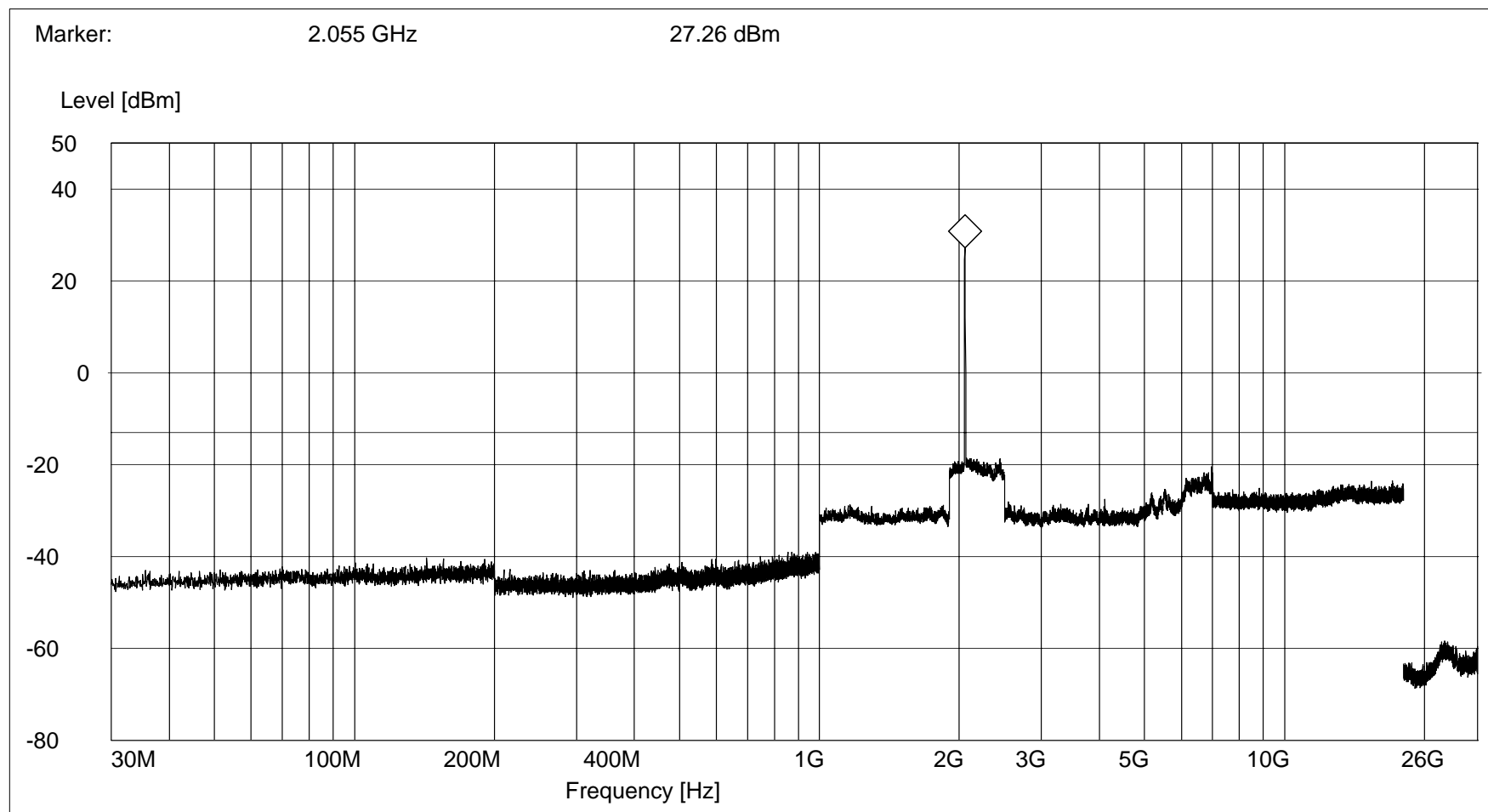
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 1, Digital Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



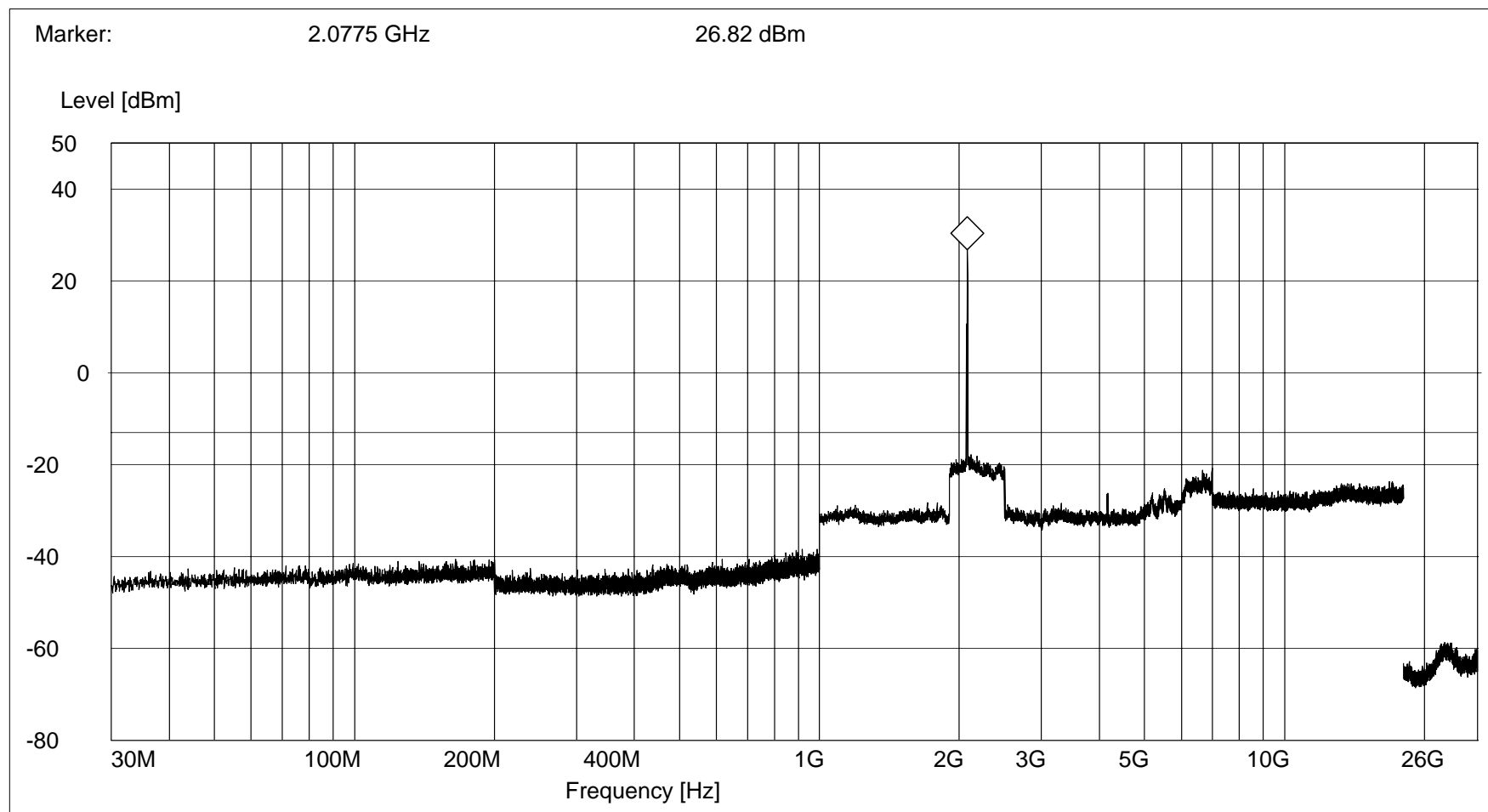
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 3, Digital Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



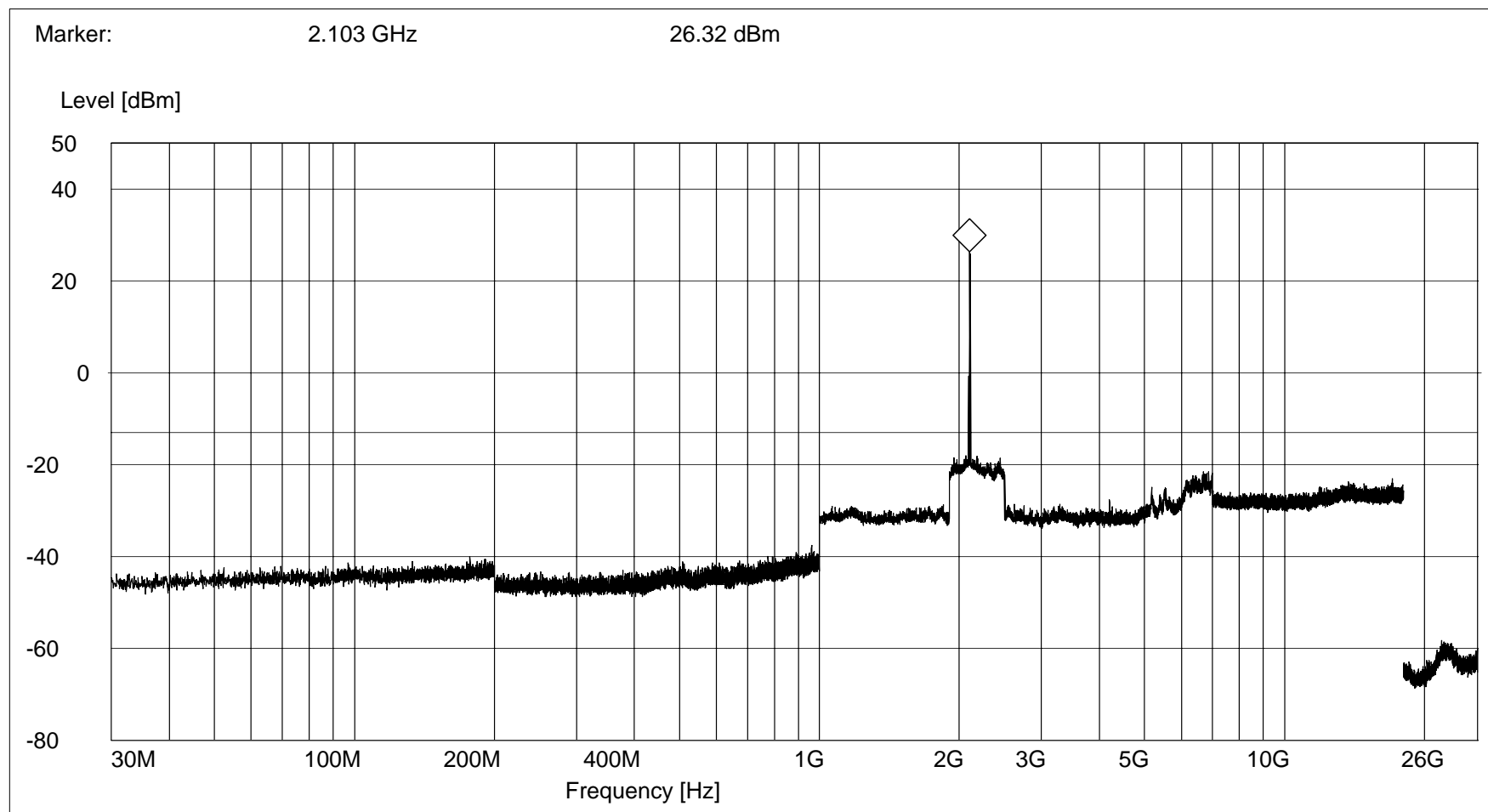
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 5, Digital Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



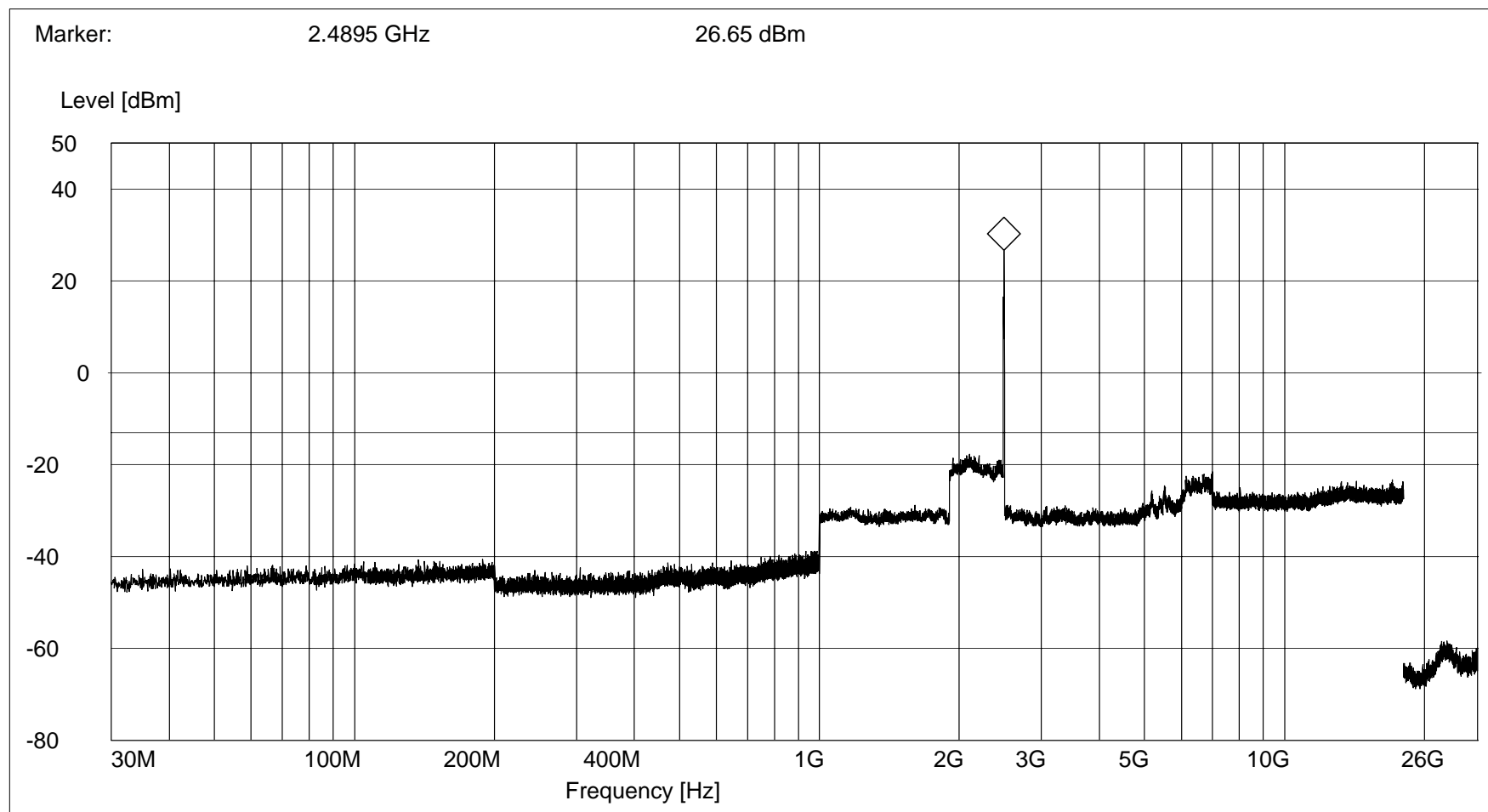
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 7, Digital Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
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 Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 10, Digital Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm

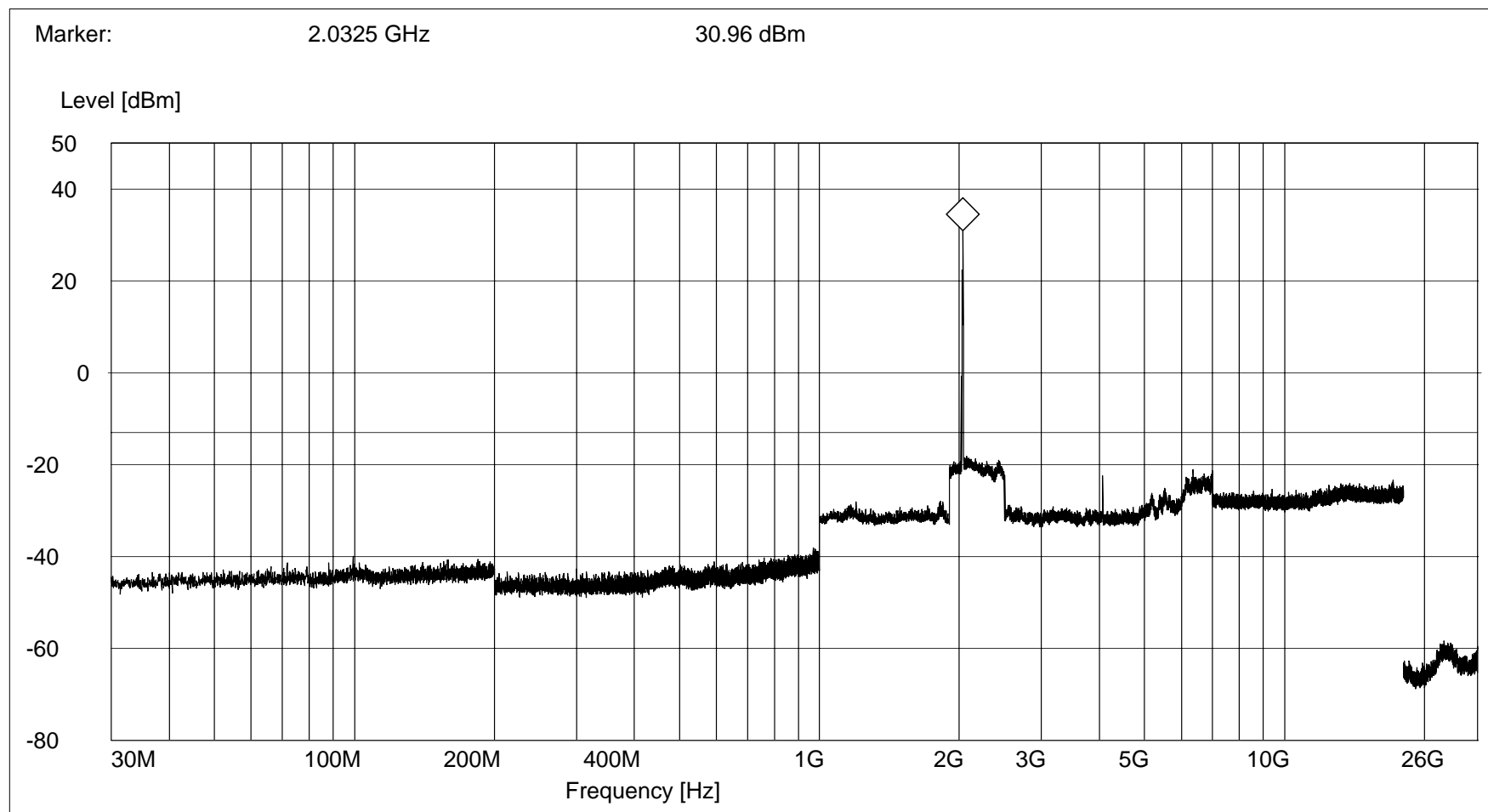


Antenna Conducted Emissions
30 MHz to 26 GHz
Analog Modulation, 12 MHz Channel
Low Power Test Data

Applicant: Nucomm, Inc.
FCC ID: I4U27CMT1-L5-E1P5
Retlif Testing Laboratories Report No.: R-11907

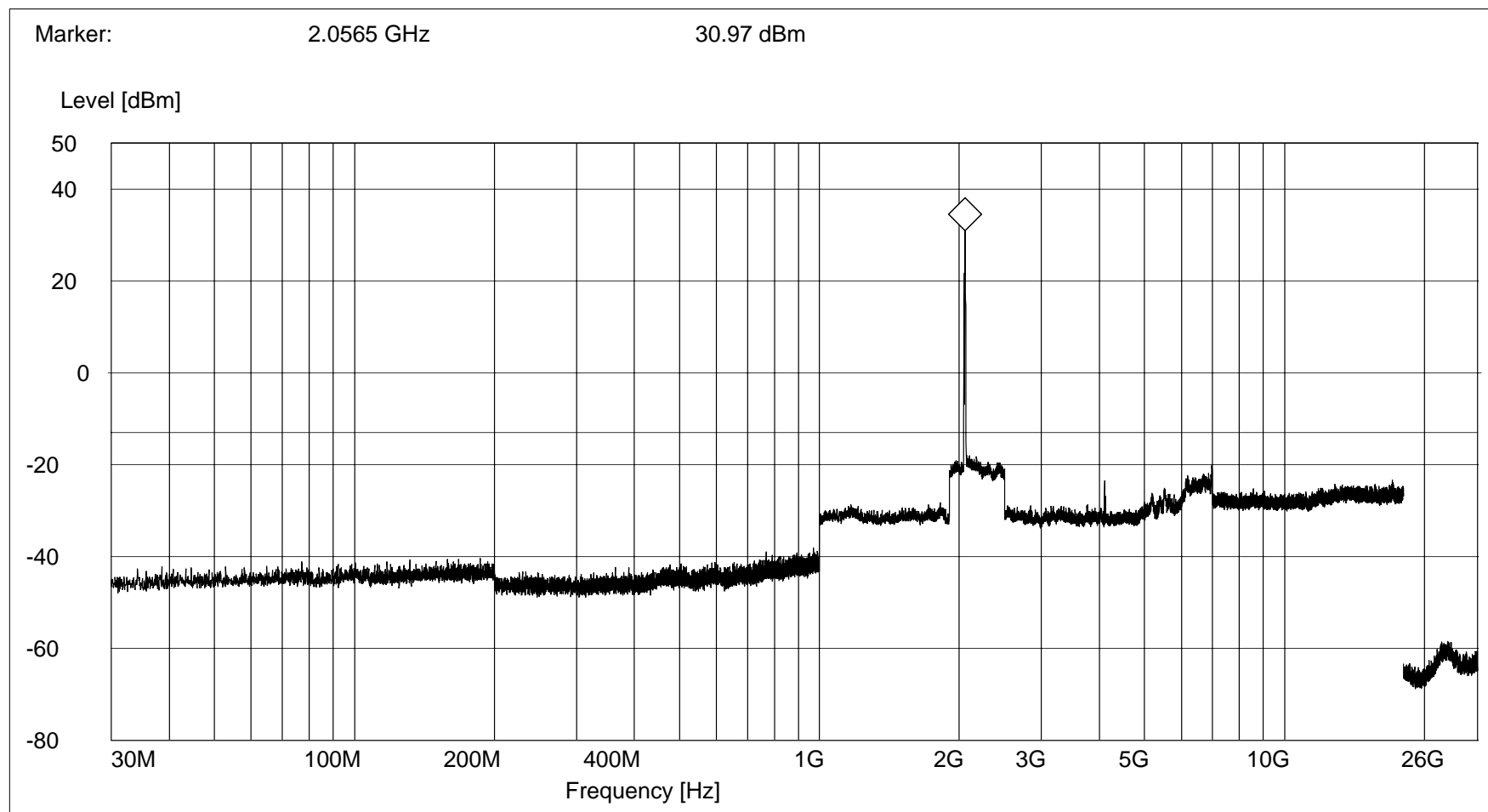
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 1, Analog FM Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



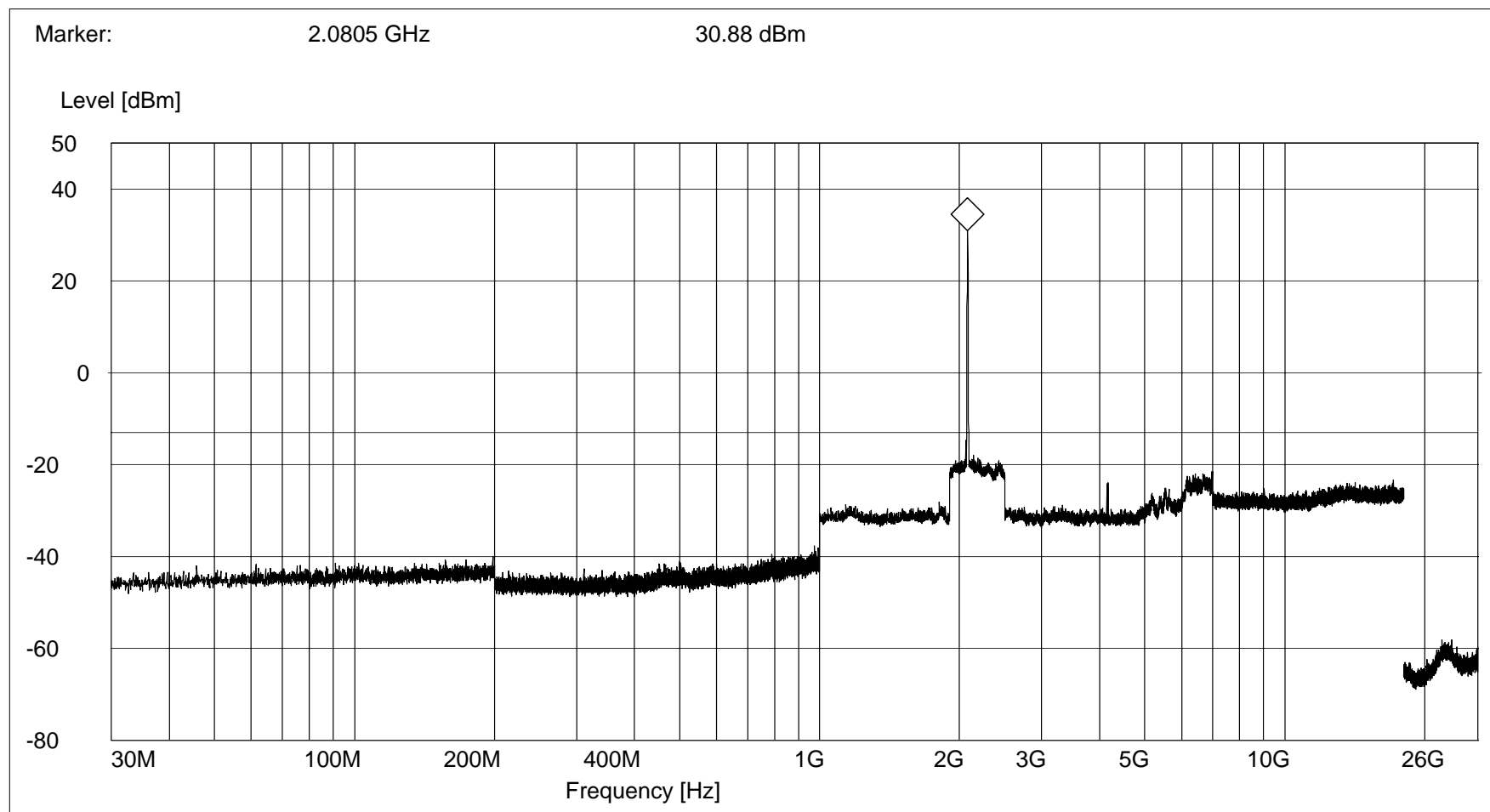
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 3, Analog FM Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



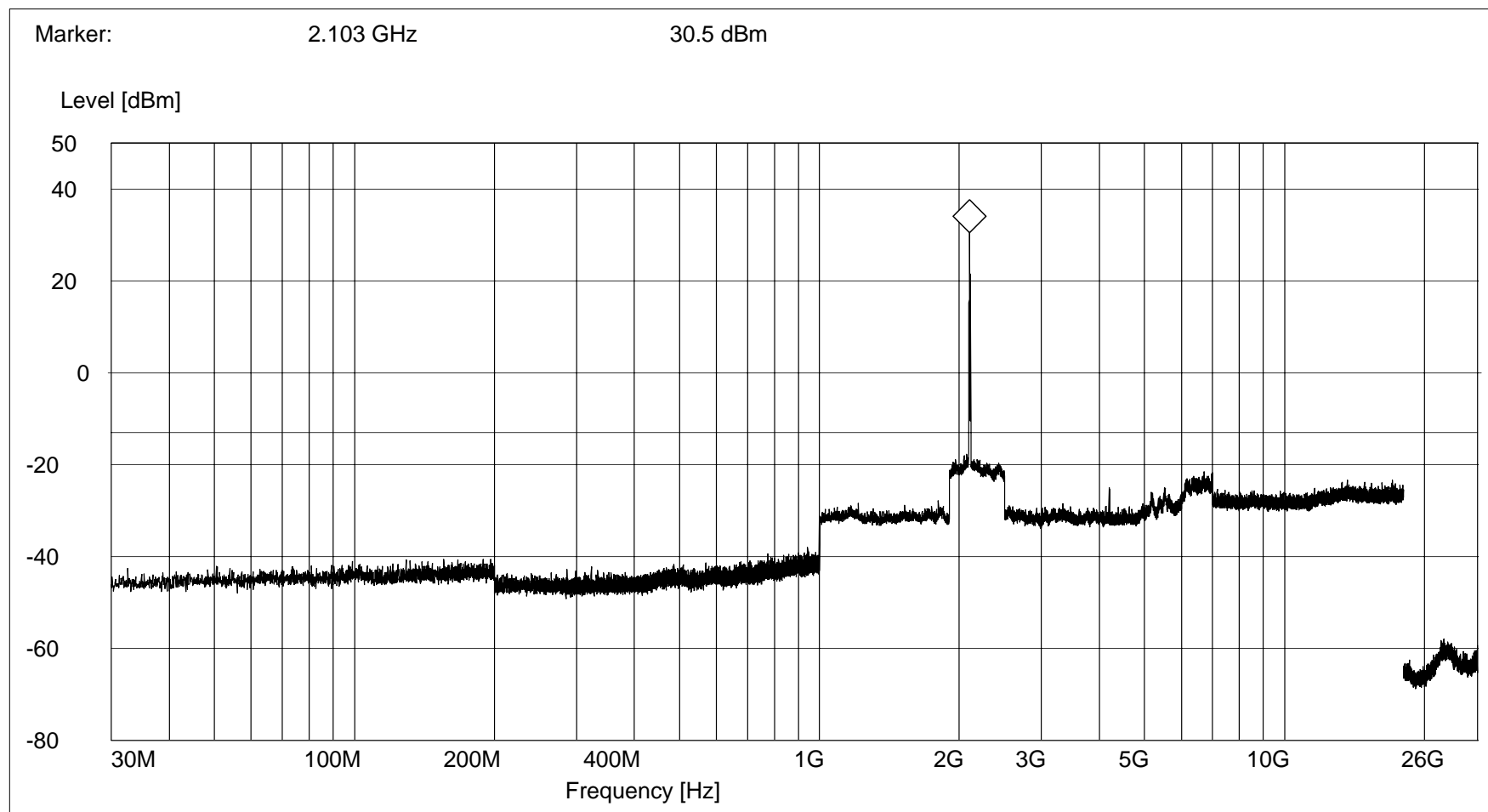
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 5, Analog FM Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



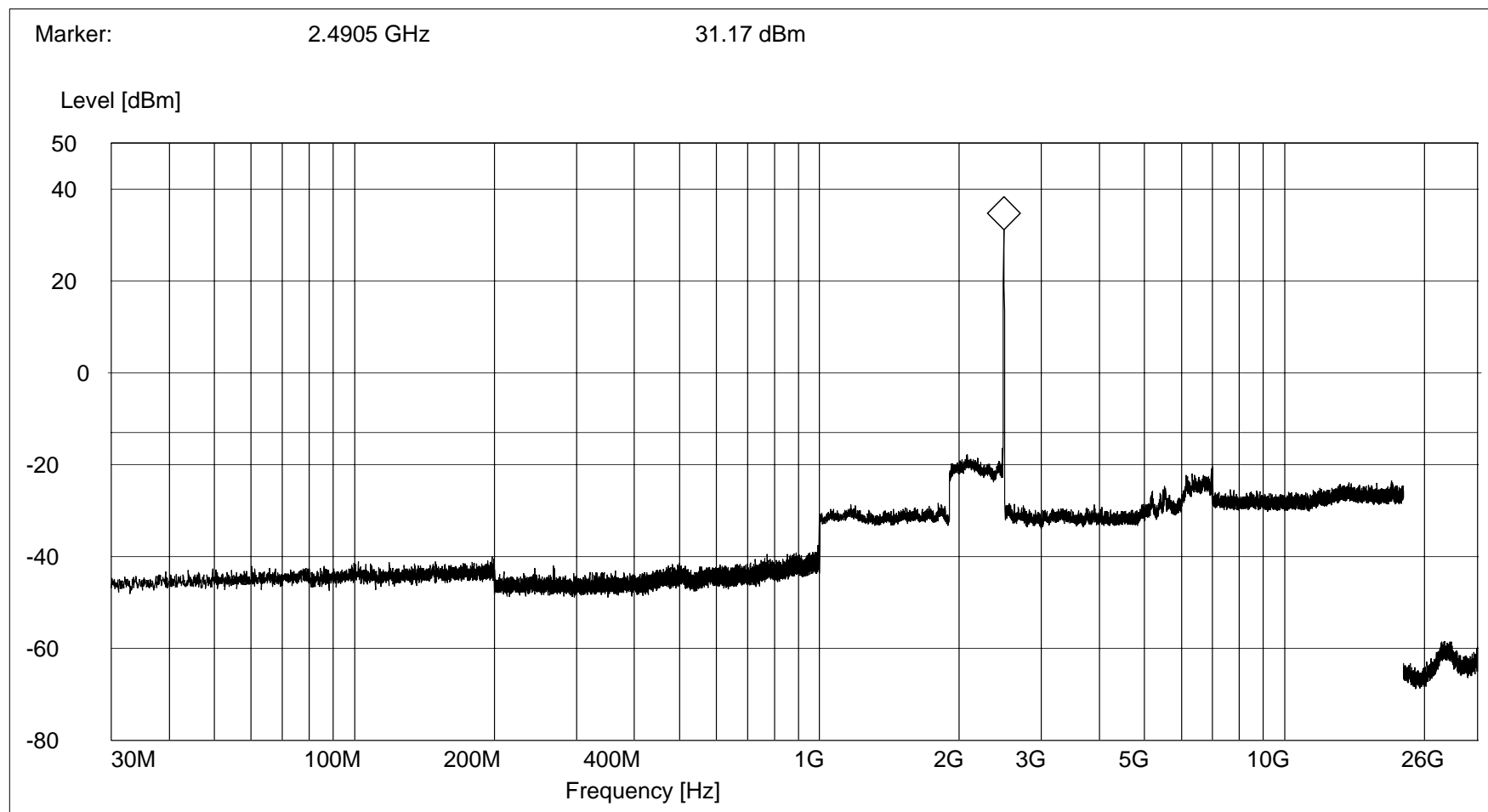
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 7, Analog FM Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
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 Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 10, Analog FM Modulation, 12 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm

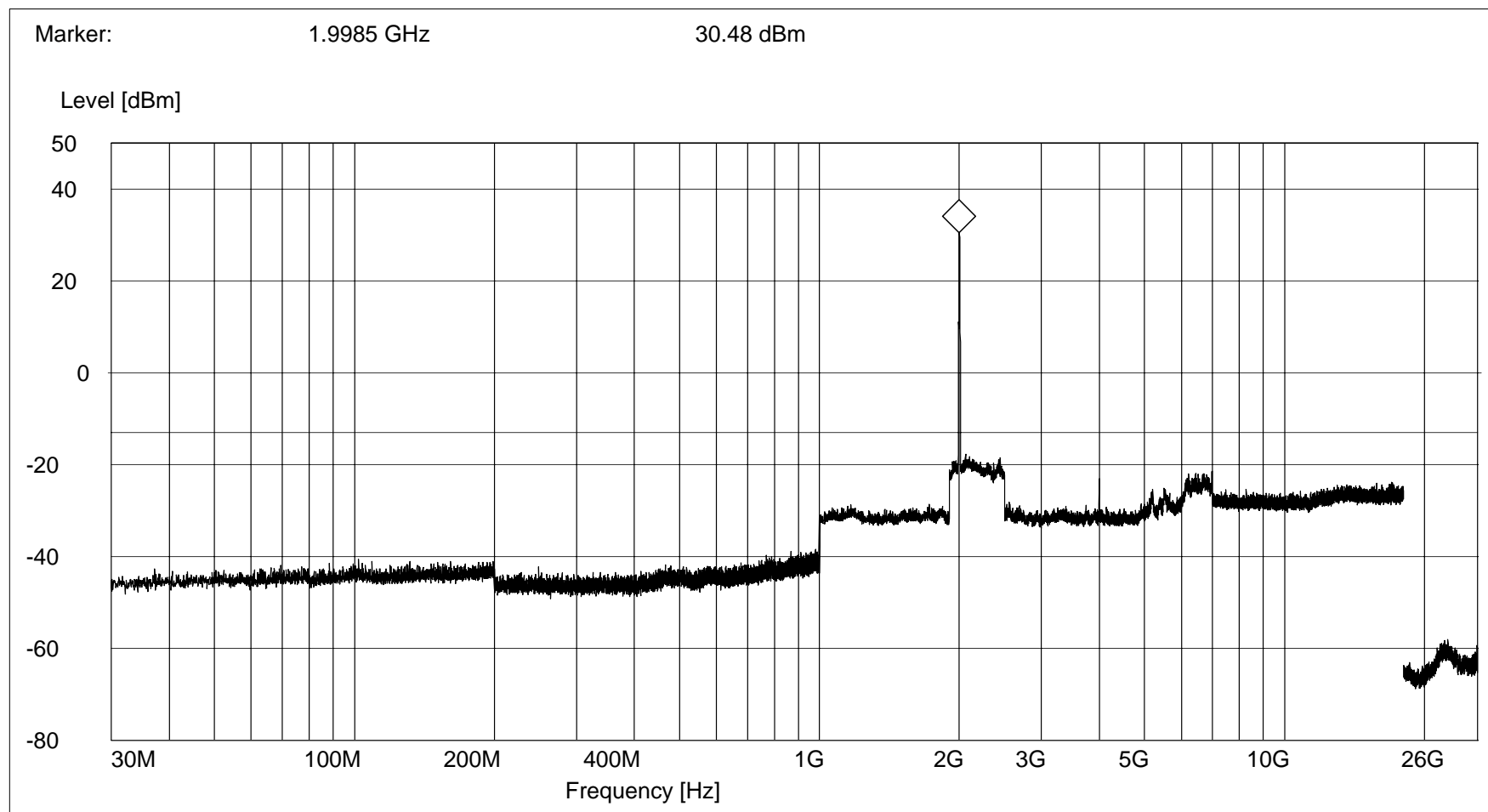


Antenna Conducted Emissions
30 MHz to 26 GHz
Analog Modulation, 17 MHz Channel
Low Power Test Data

Applicant: Nucomm, Inc.
FCC ID: I4U27CMT1-L5-E1P5
Retlif Testing Laboratories Report No.: R-11907

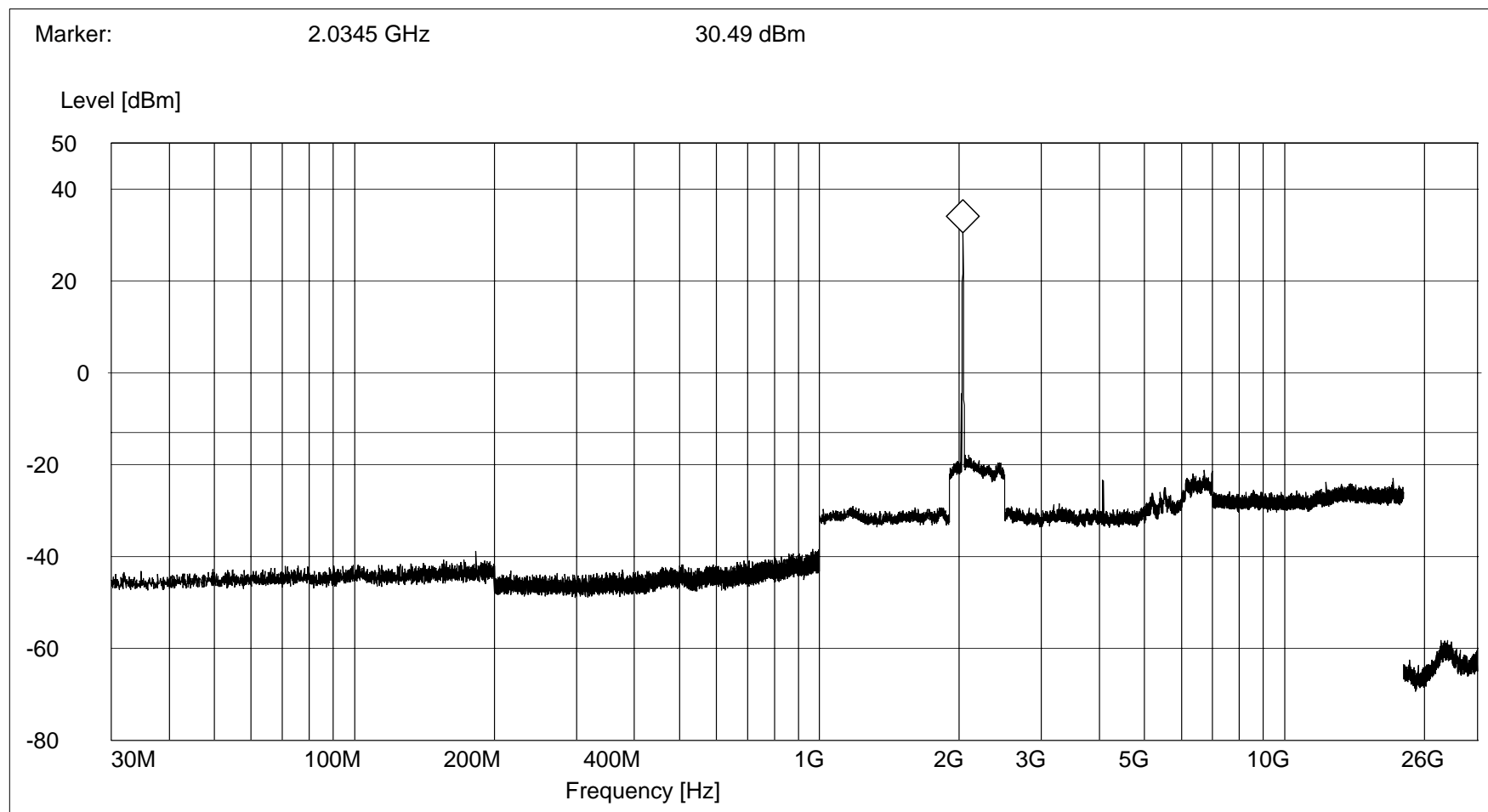
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 1, Analog FM Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



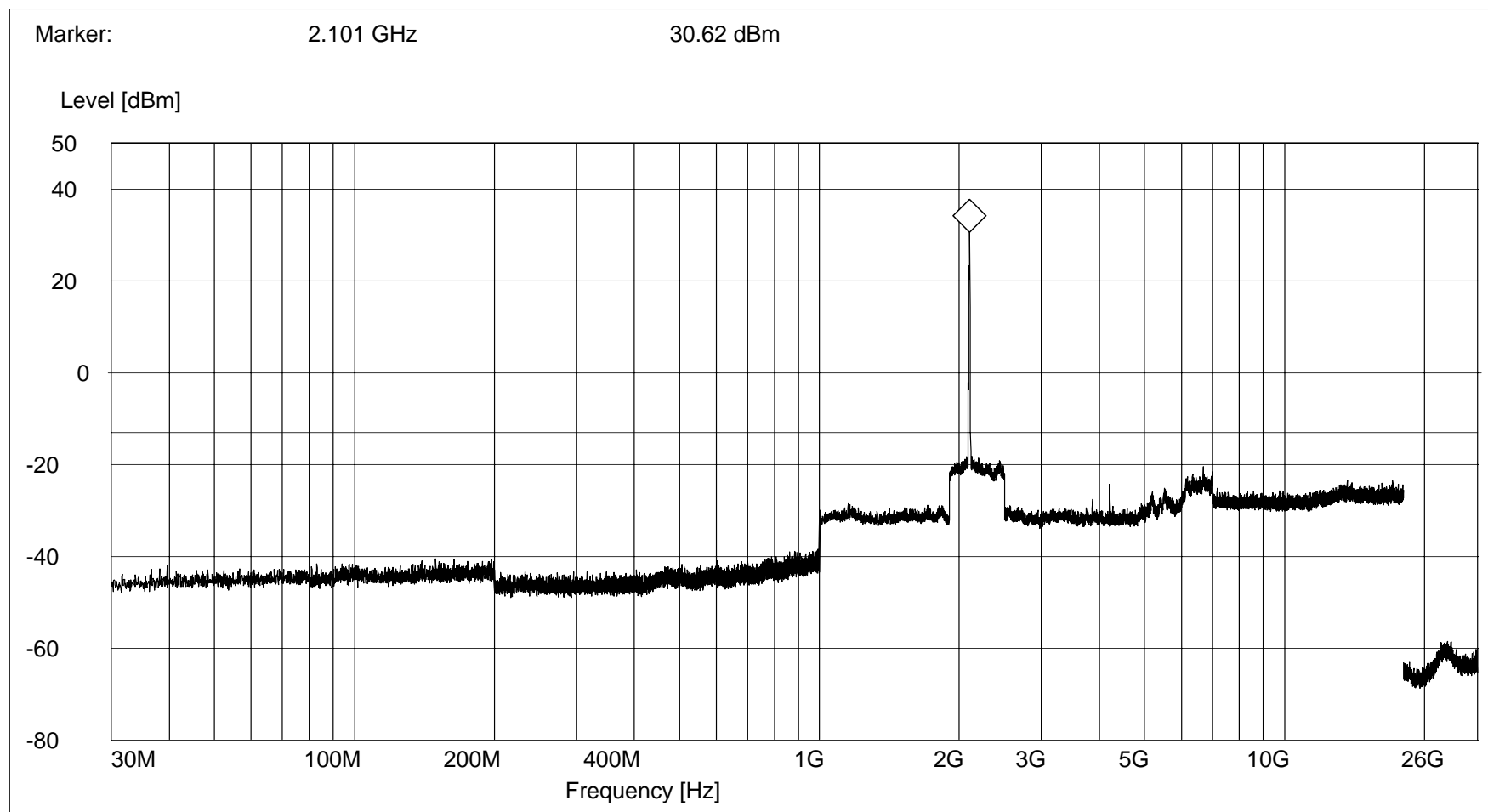
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 3, Analog FM Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



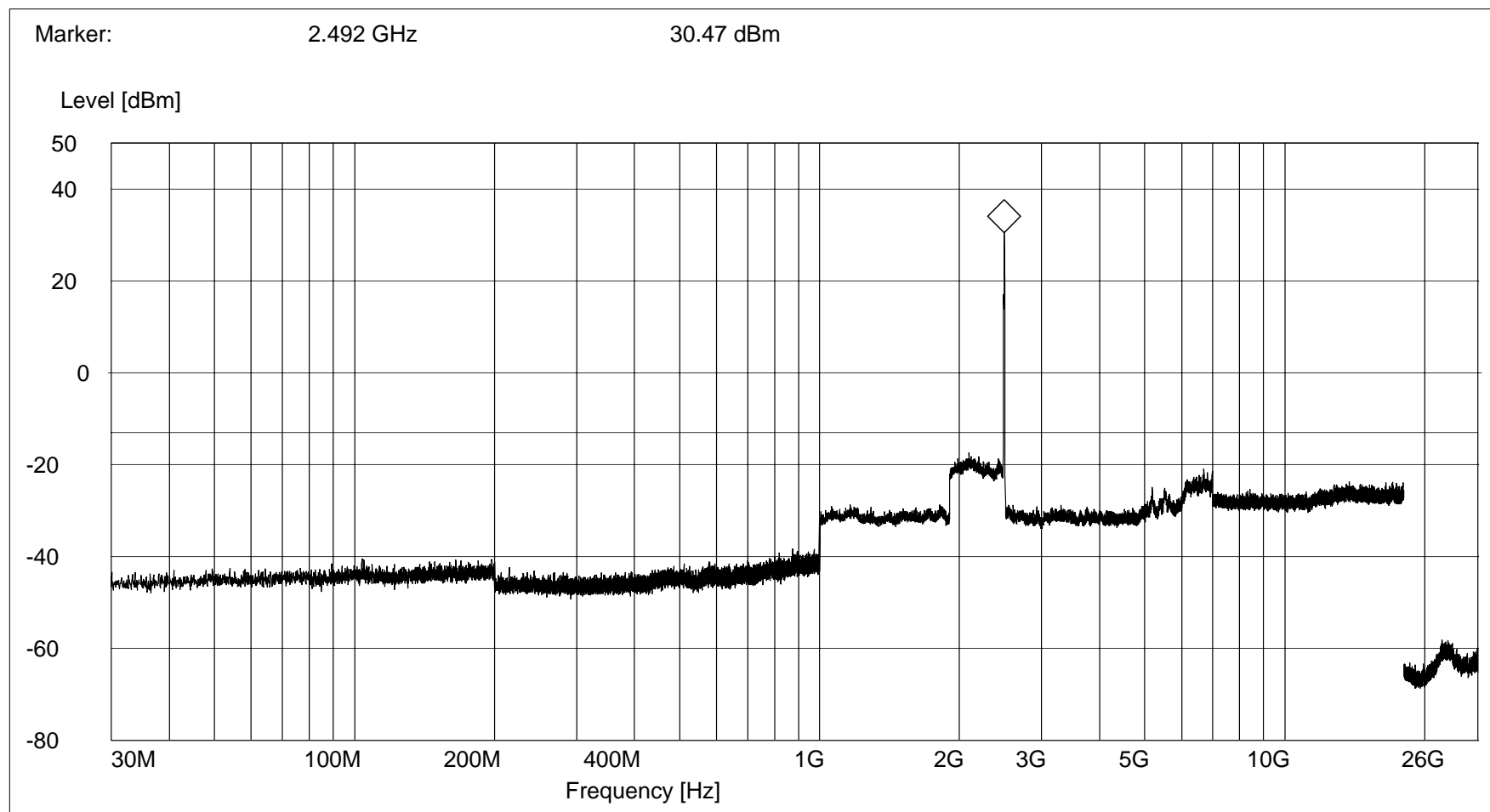
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 7, Analog FM Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
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 Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 10, Analog FM Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm

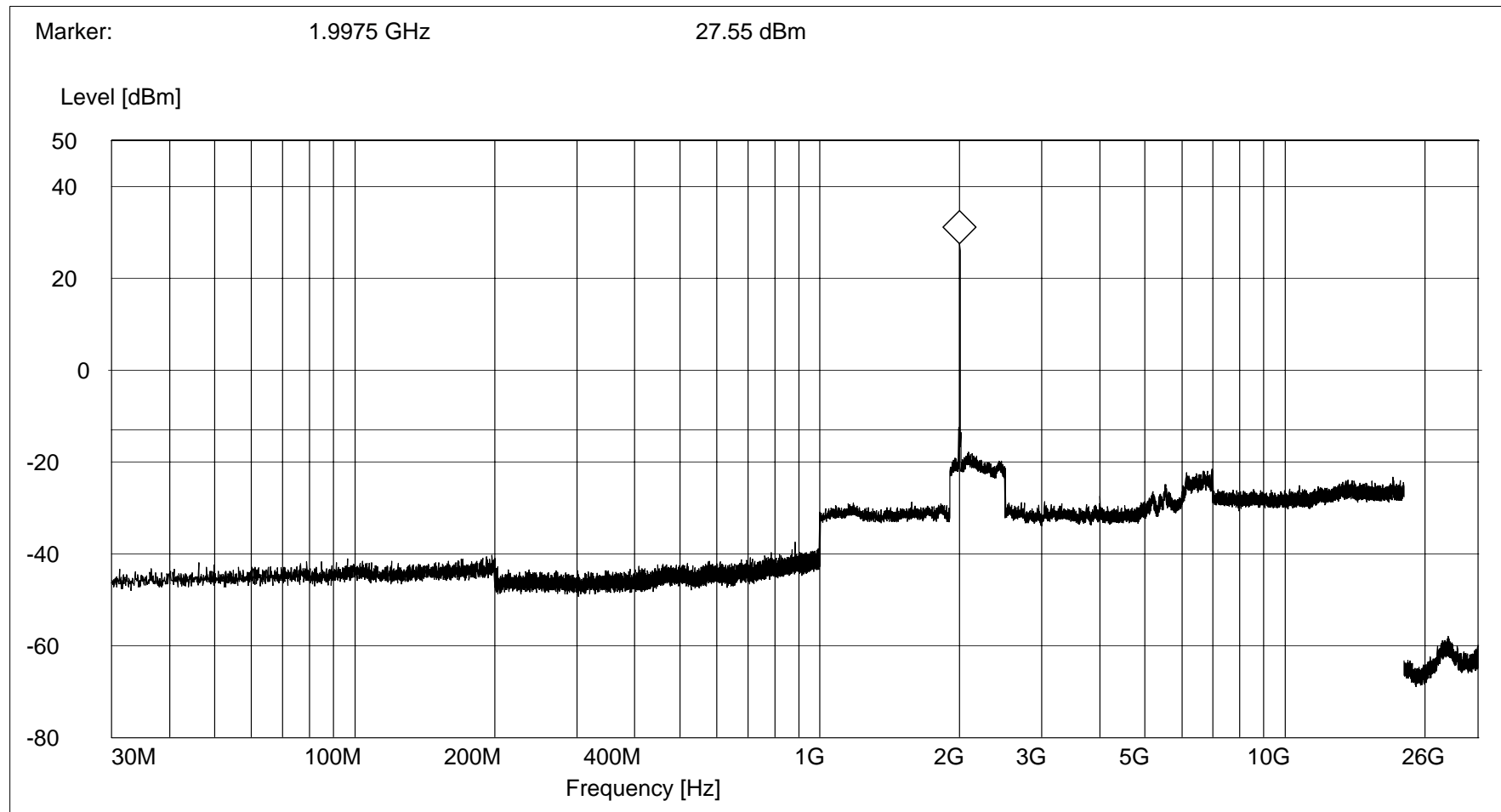


Antenna Conducted Emissions
30 MHz to 26 GHz
Digital Modulation, 17 MHz Channel
Low Power Test Data

Applicant: Nucomm, Inc.
FCC ID: I4U27CMT1-L5-E1P5
Retlif Testing Laboratories Report No.: R-11907

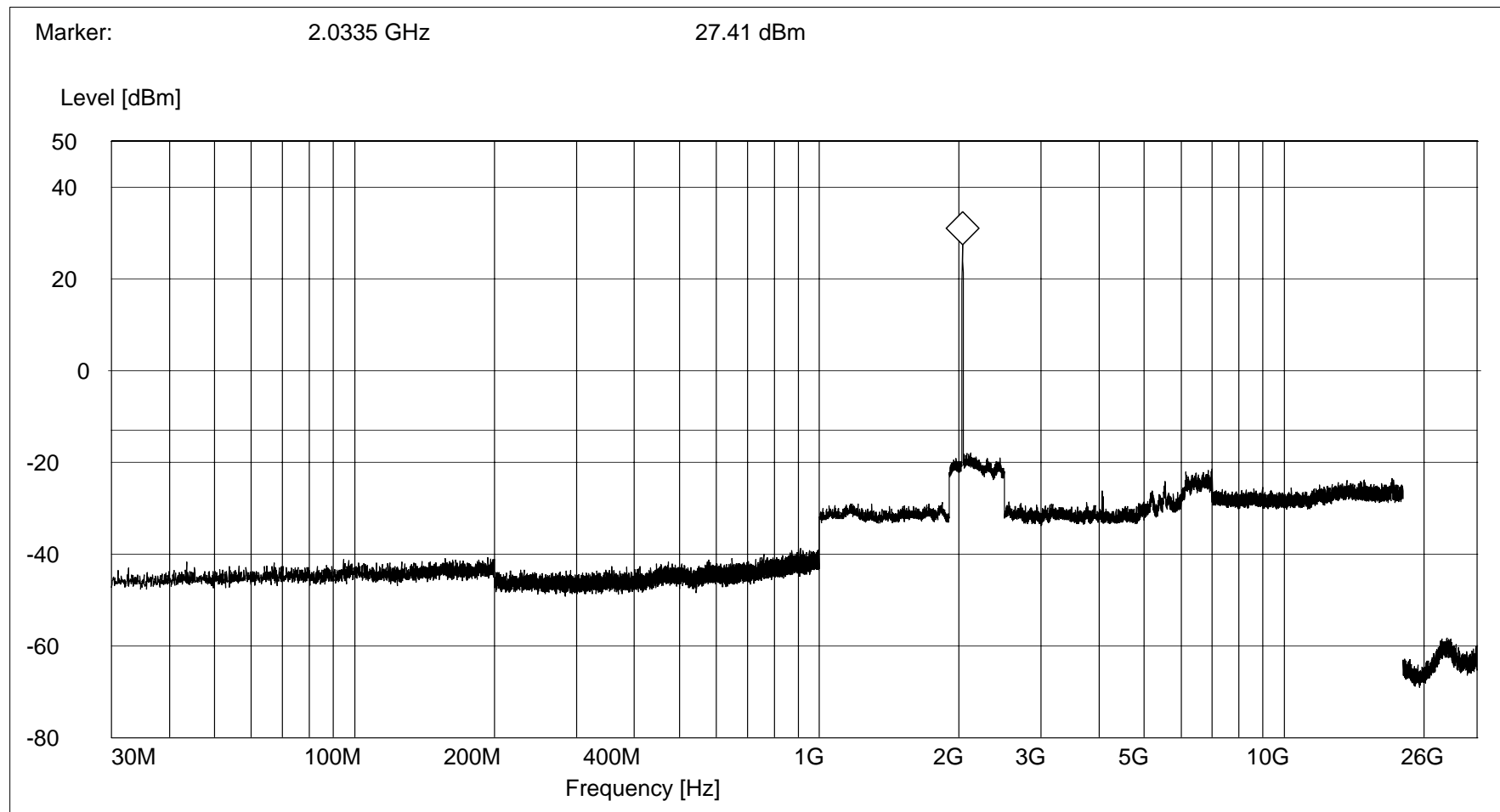
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 1, Digital Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm



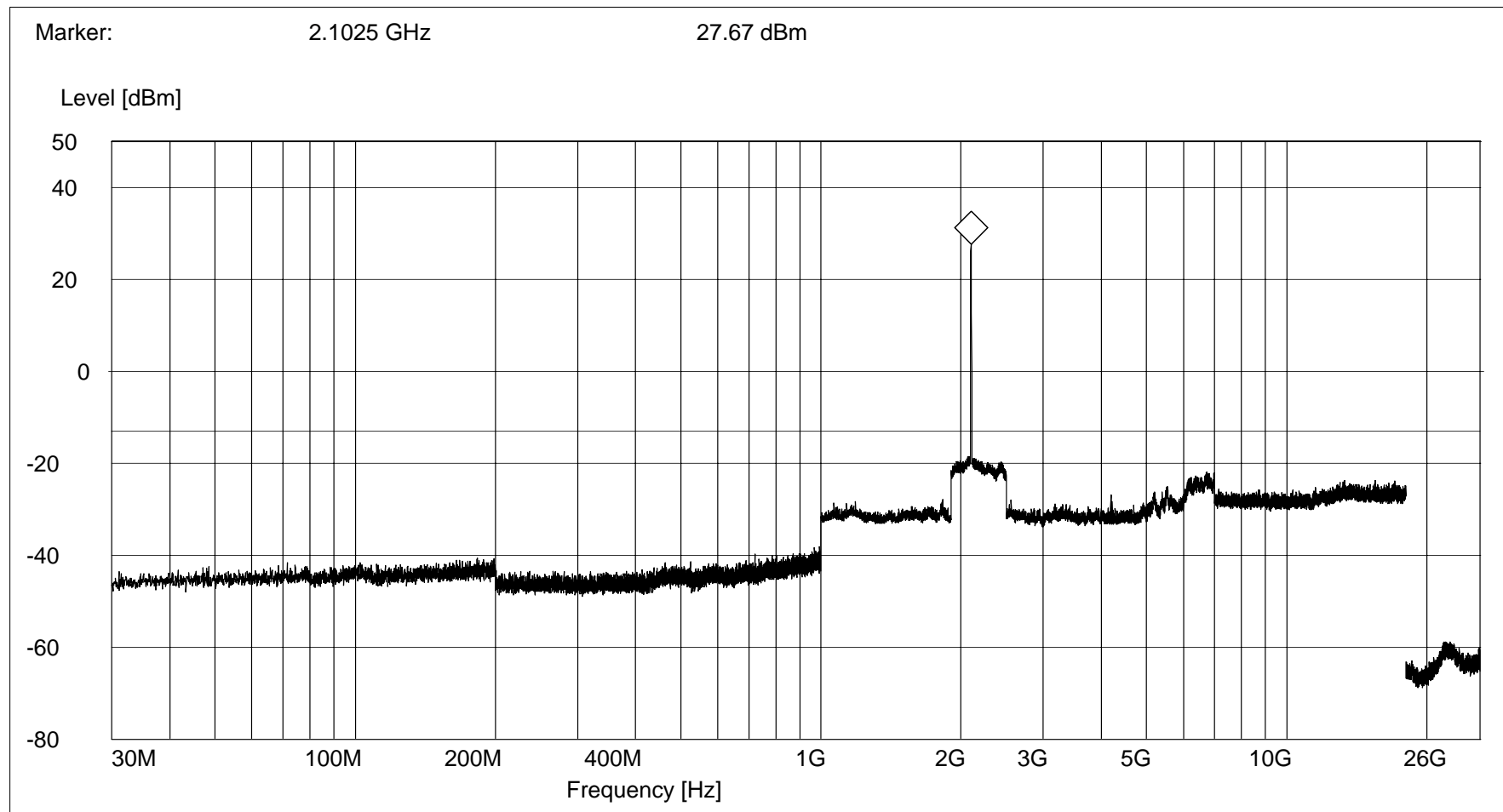
FCC Antenna Conducted Emissions, 30 MHz to 26 GHz

Customer: Nucomm, Inc.
Test Sample: 2 GHz / 7 GHz Digital/Analog Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 3, Digital Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
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 Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 7, Digital Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
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 Portable Microwave Transmitter
Part Number: 2/7CMTX1-L5E1.5-326-A2C2
FCC ID Number: I4U27CMT1-L5-E1P5
Equipment Settings: Low Power, Channel 10, Digital Modulation, 17 MHz Channel
Antenna Port Tested: RF Output Port
Test Engineer/Date: D. Lerner / March 28-29, 2007
Notes: Fundamental frequency exempt from -13 dBm

