

## 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: I4U23VT2-P10**

Applicant: Nucomm, Inc.  
FCC ID: I4U23VT2-P10  
Retlif Testing Laboratories Report No.: R-12033

Para. 2.1051  
Spurious Emissions at Antenna Terminals

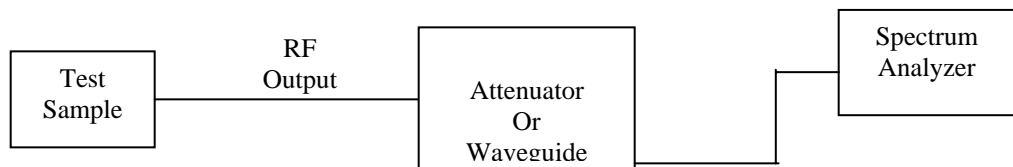
Applicant: Nucomm, Inc.  
FCC ID: I4U23VT2-P10  
Retlif Testing Laboratories Report No.: R-12033

## 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

<u>EN/ RSI INV #</u>	<u>DESCRIPTION</u>	<u>MANUFACTURER</u>	<u>MODEL #</u>	<u>SERIAL #</u>	<u>LAST CAL DATE</u>	<u>CAL DUE DATE</u>
713	EMI Test Reciever	Rohde & Schwarz	ESI26	834000/008	8/3/2006	8/3/2007
8106	ATTN.	WEINSCHTEL	33-10-34	Y4427	5/3/2007	5/3/2008
8109	ATTENUATOR	WEINSCHTEL	46-20-34	BS7614	5/2/2007	5/2/2008
8276	High Insolation	ELGAR	2.5-13	20486	3/21/2007	3/21/2008

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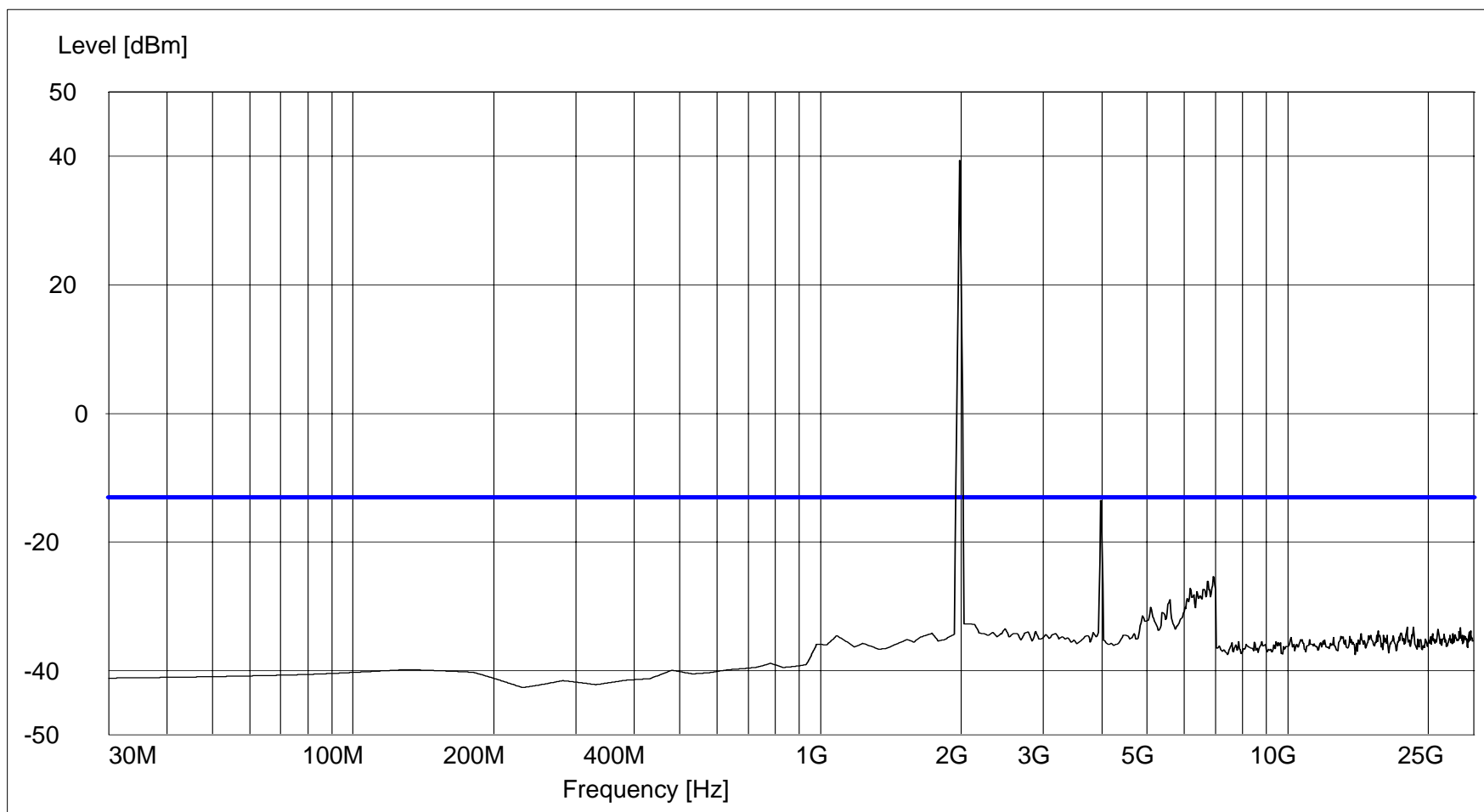
**Antenna Conducted Emissions  
Test Data**

Applicant: Nucomm, Inc.  
FCC ID: I4U23VT2-P10

Retlif Testing Laboratories Report No.: R-12033

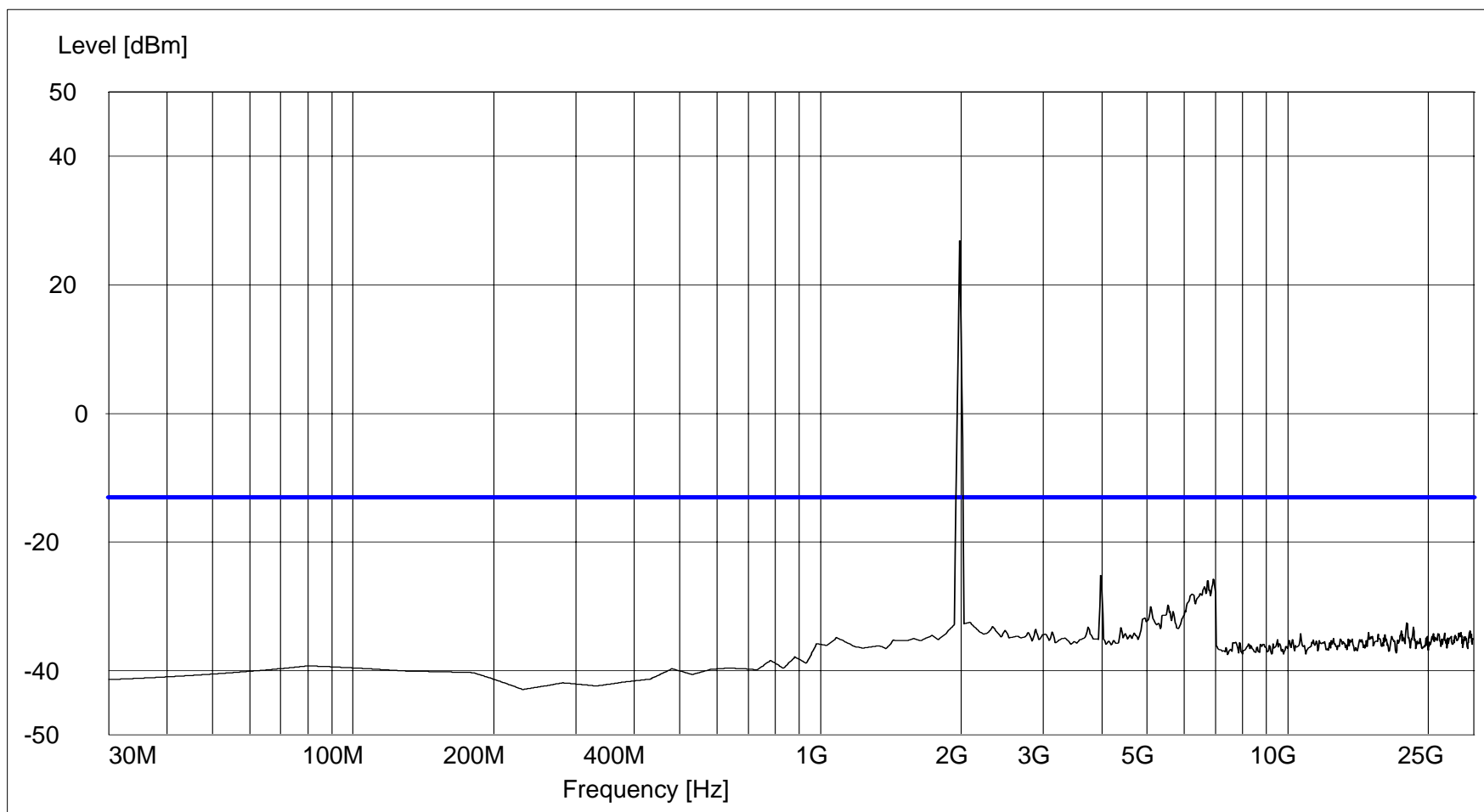
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 1, Analog, High Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 8.51 Watts



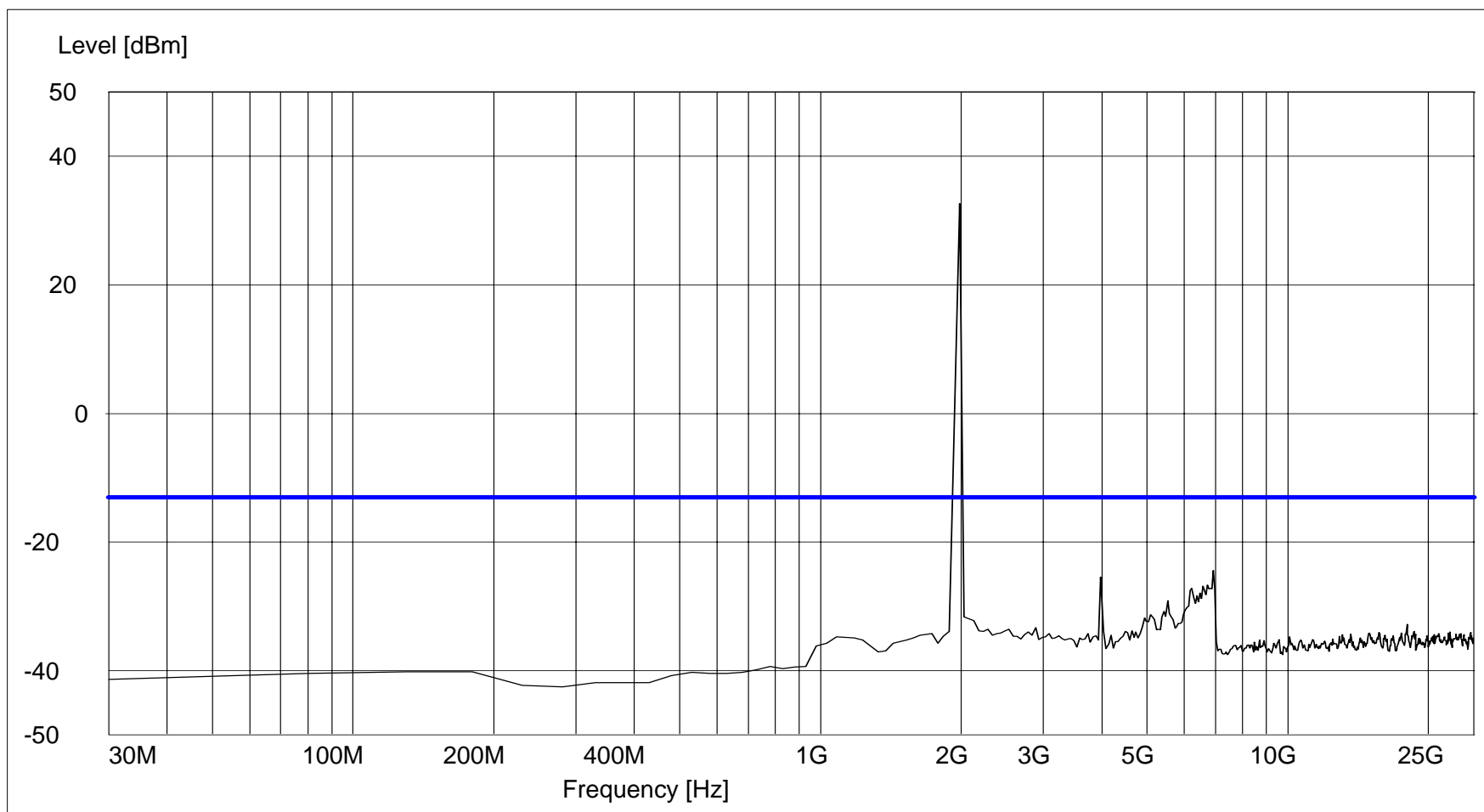
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 1, Digital, High Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 11.22 Watts



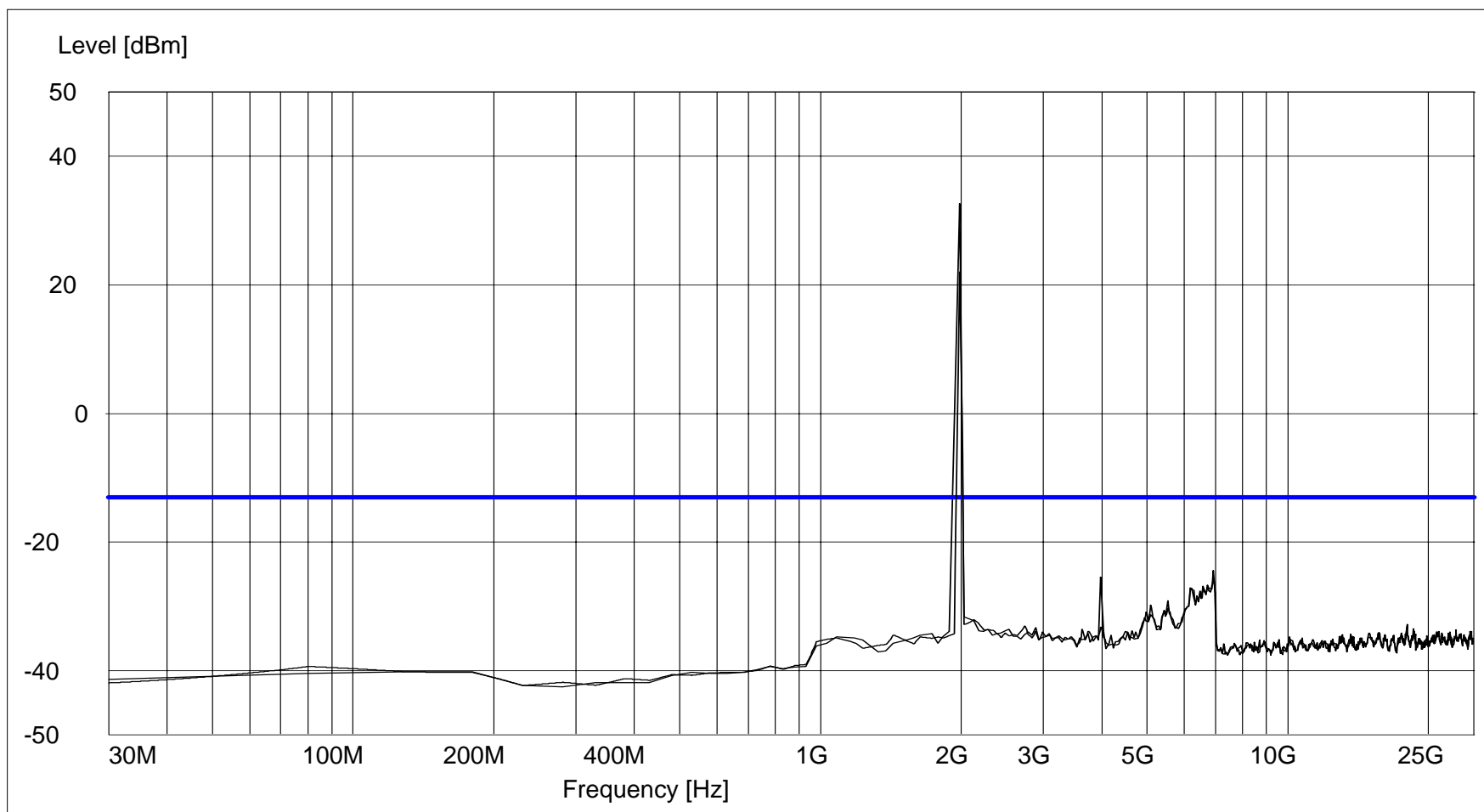
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 1, Analog, Low Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 3.38 Watts



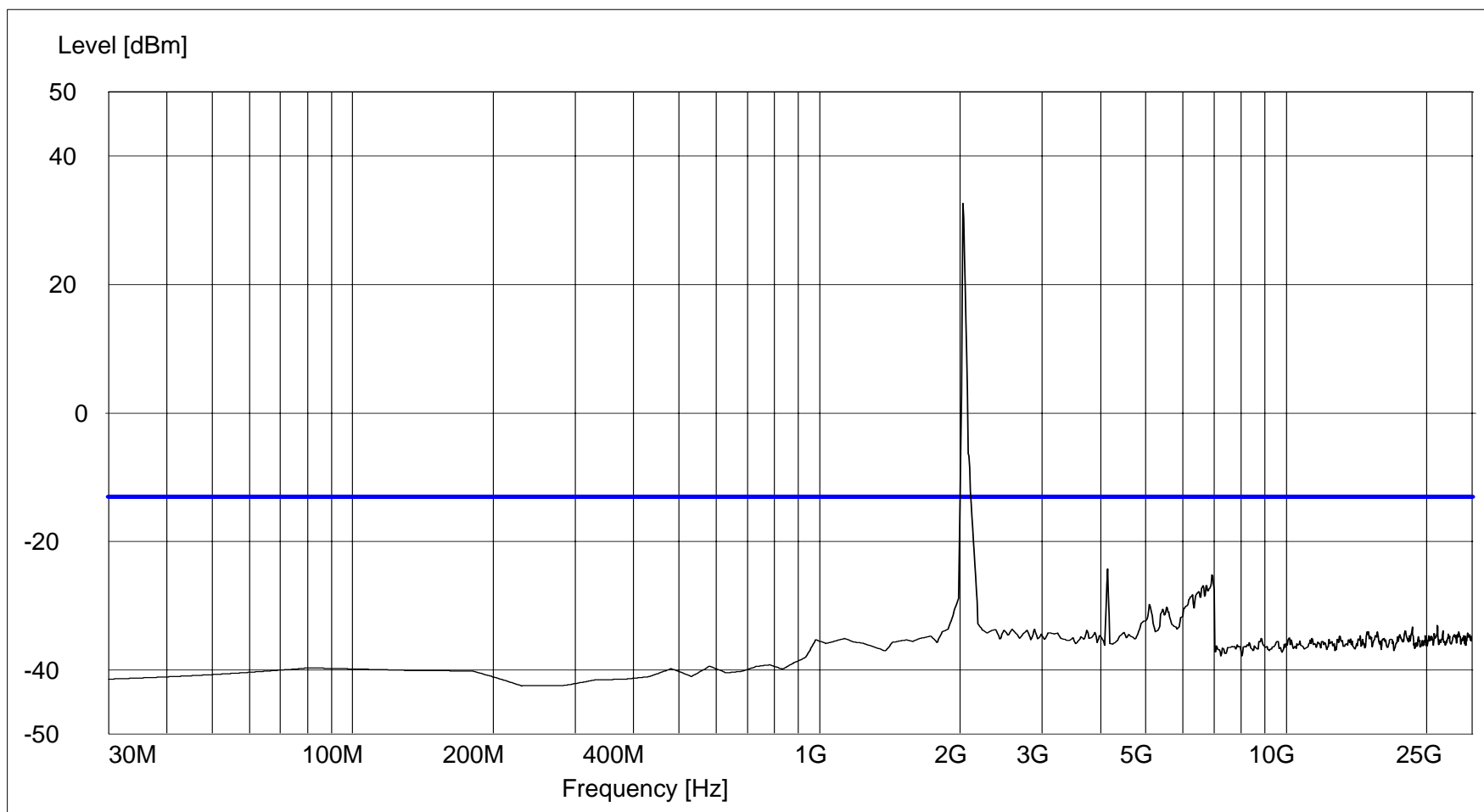
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 1, Digital, Low Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 3.46 Watts



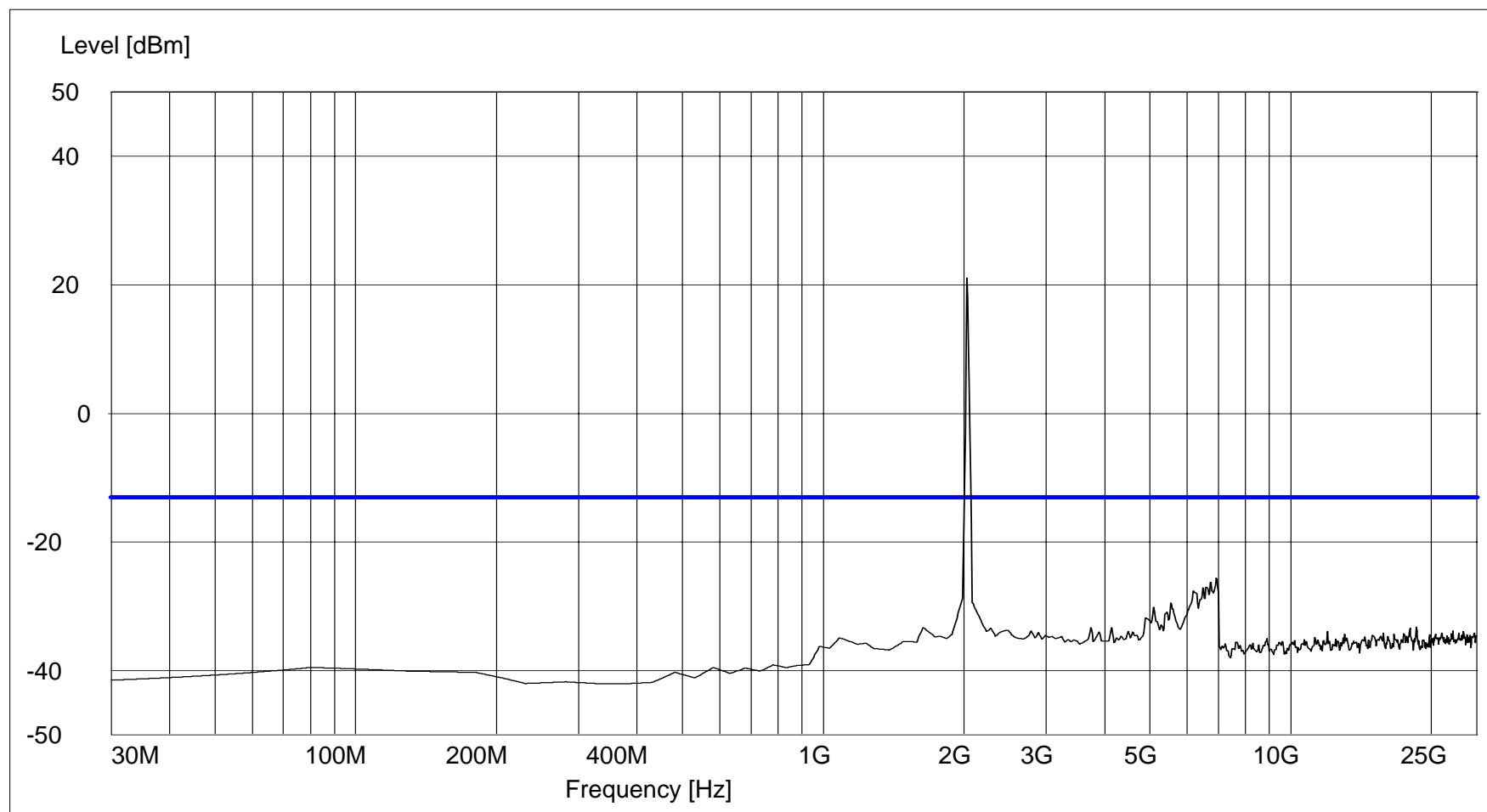
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 5, Analog, Low Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 1.94 Watts



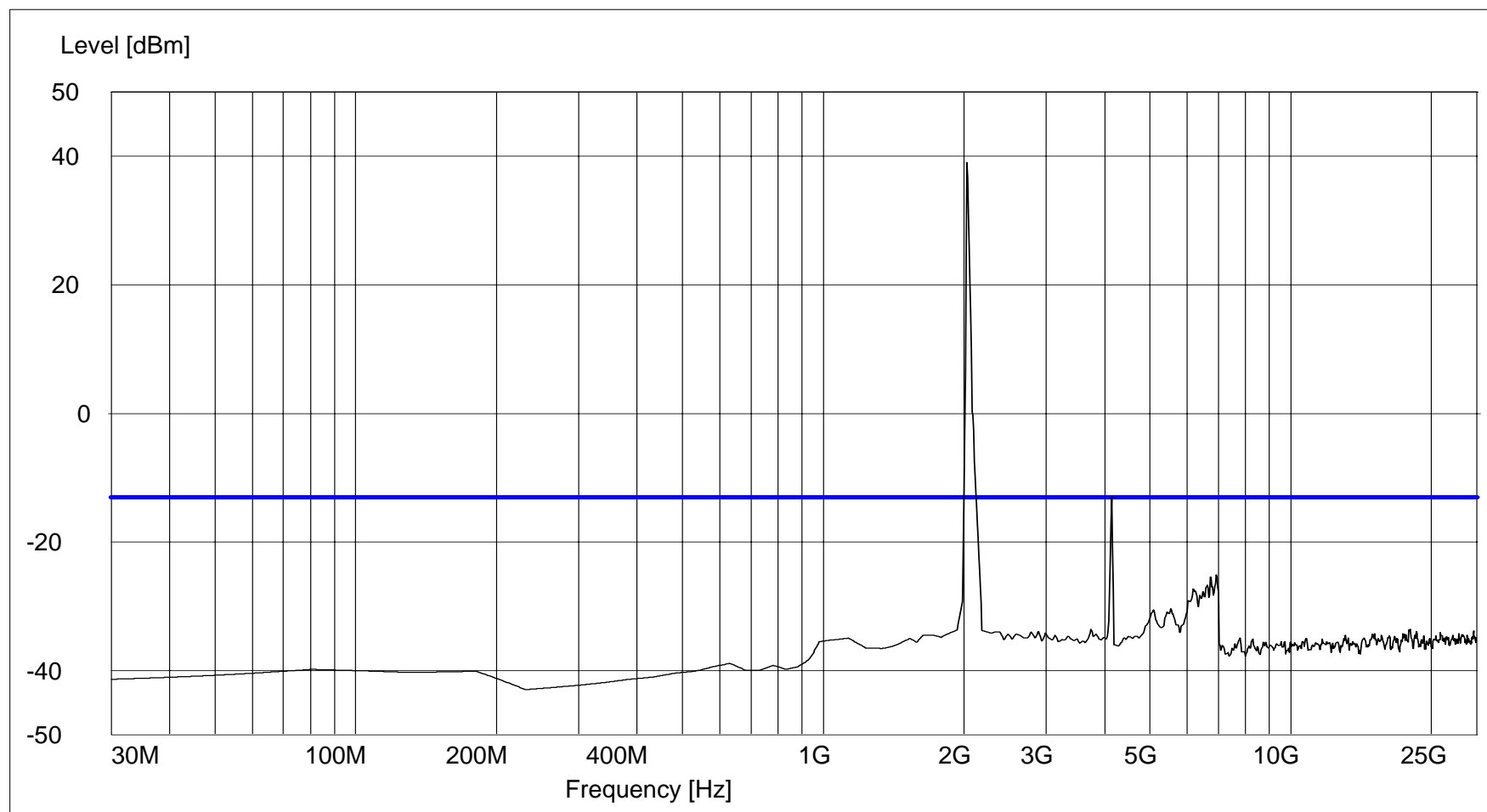
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 5, Digital, Low Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 3.33 Watts



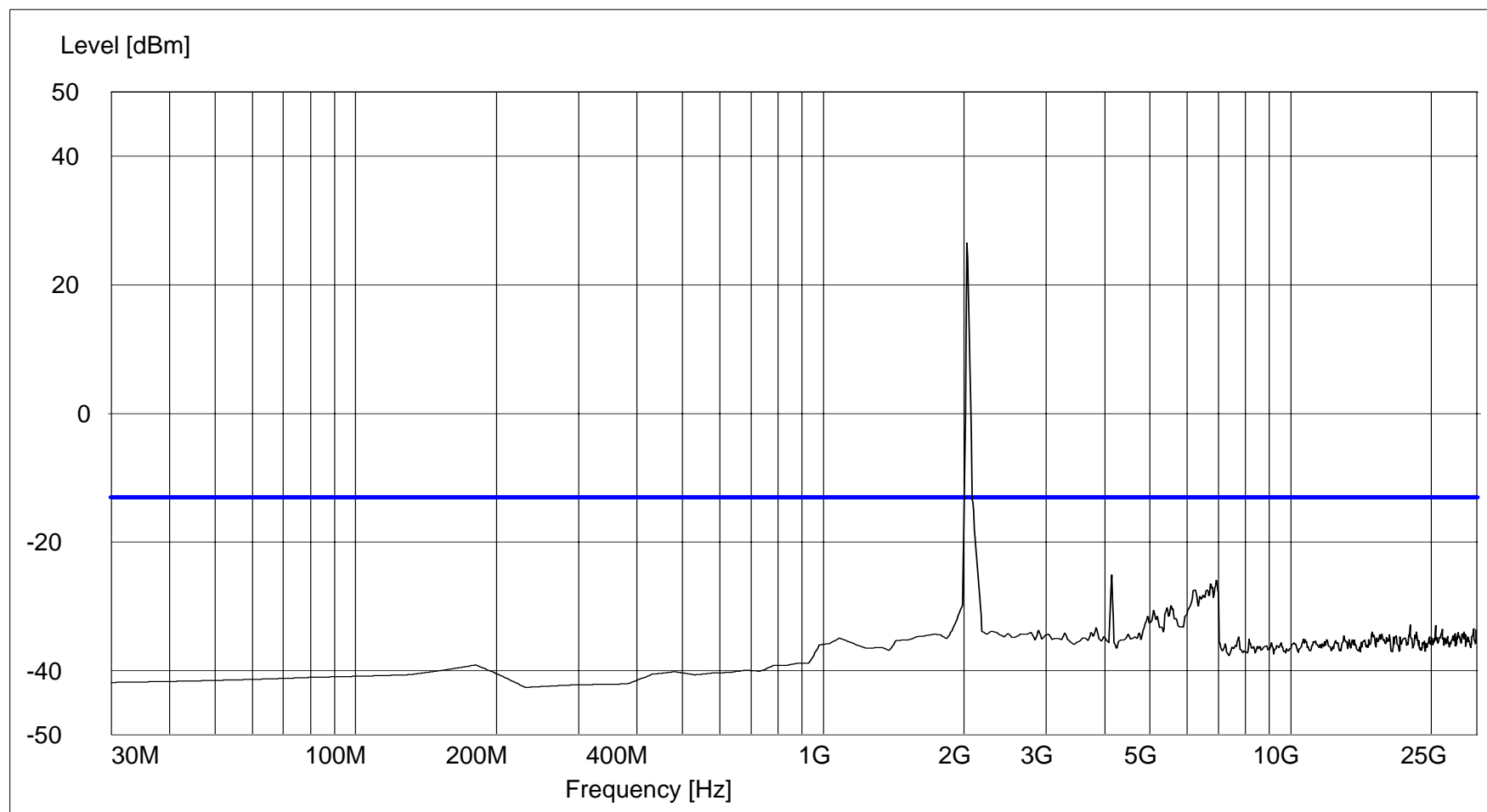
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 5, Analog, High Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 7.94 Watts



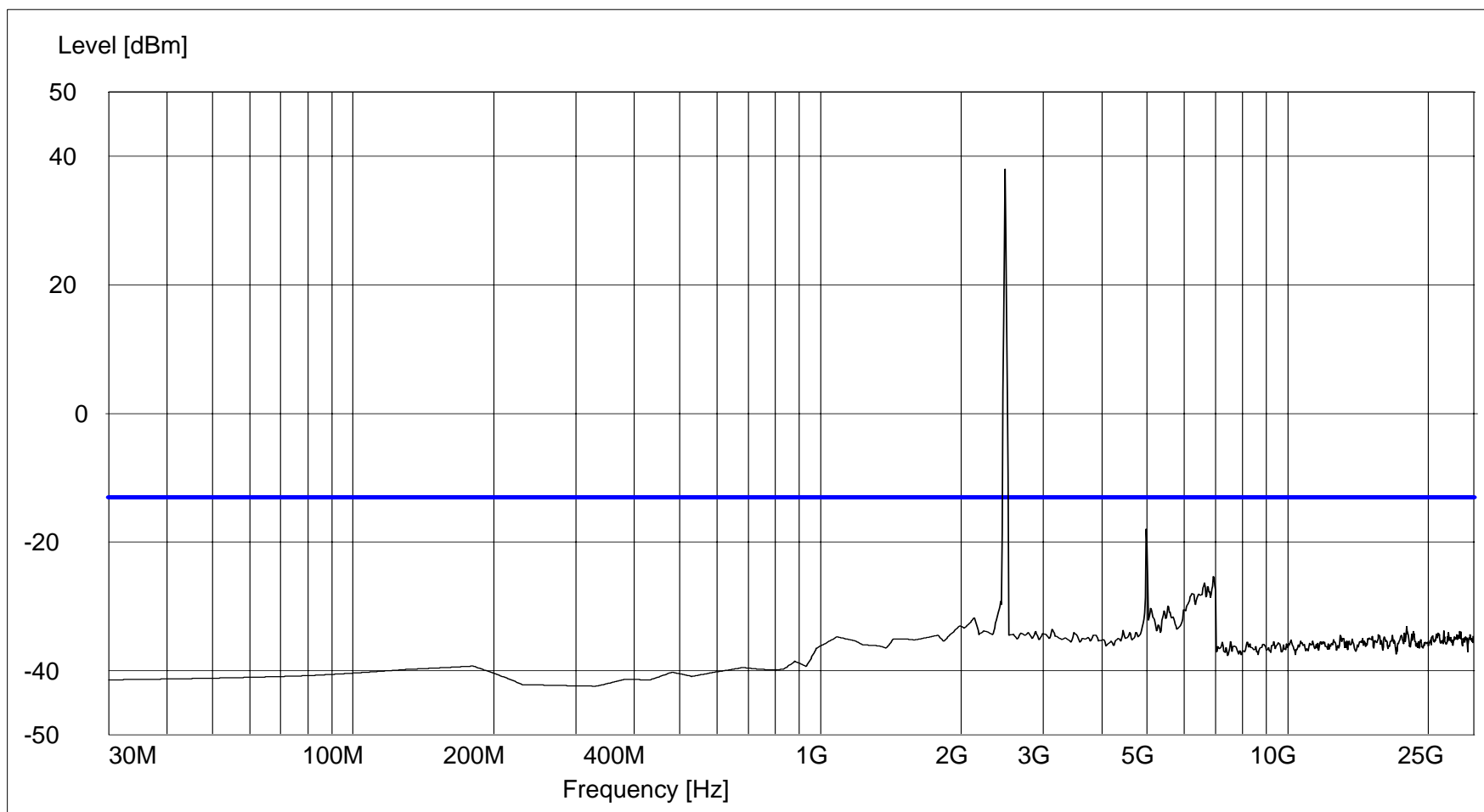
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 5, Digital, High Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 10.71 Watts



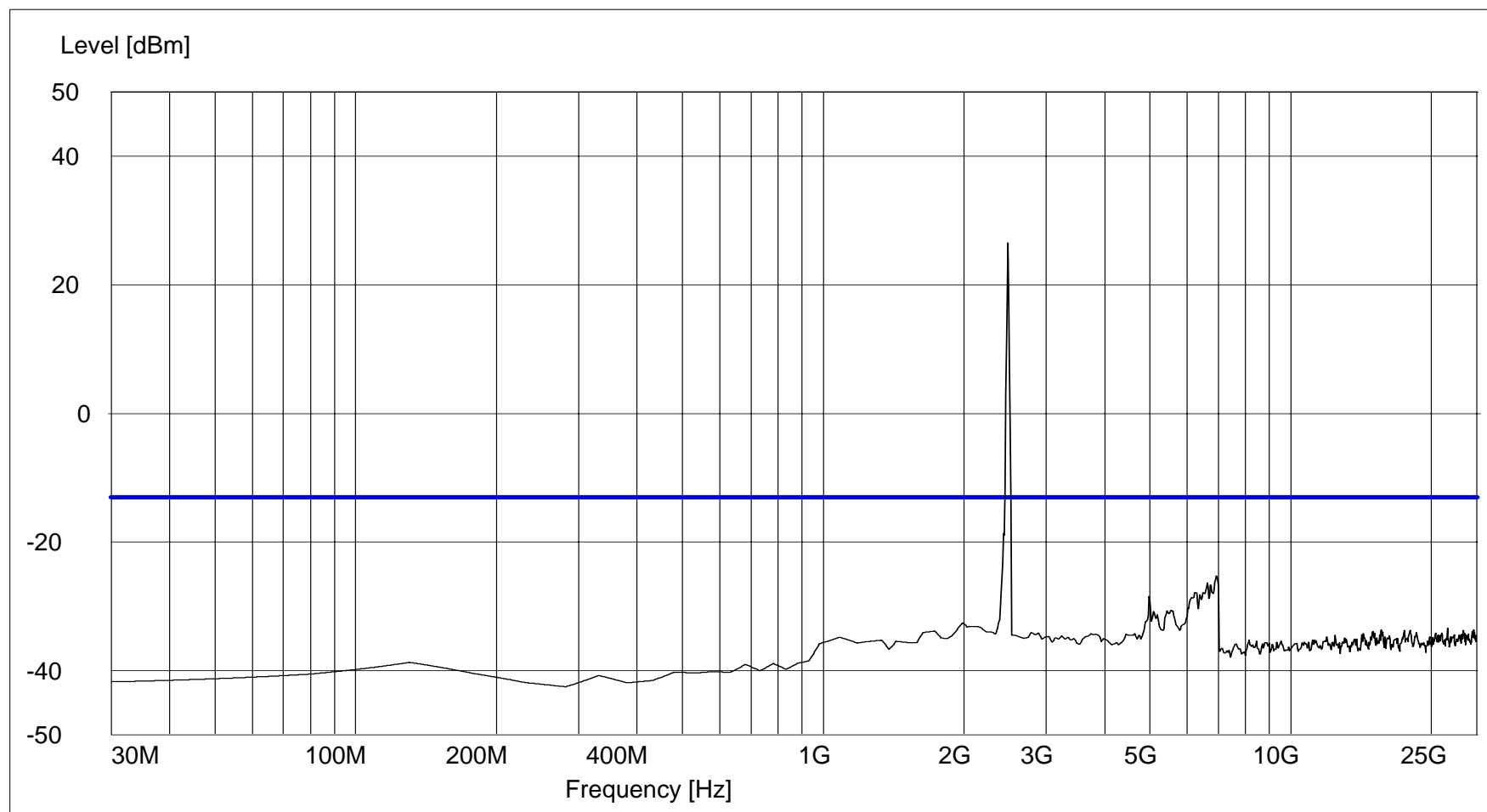
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 10, Analog, High Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 7.76 Watts



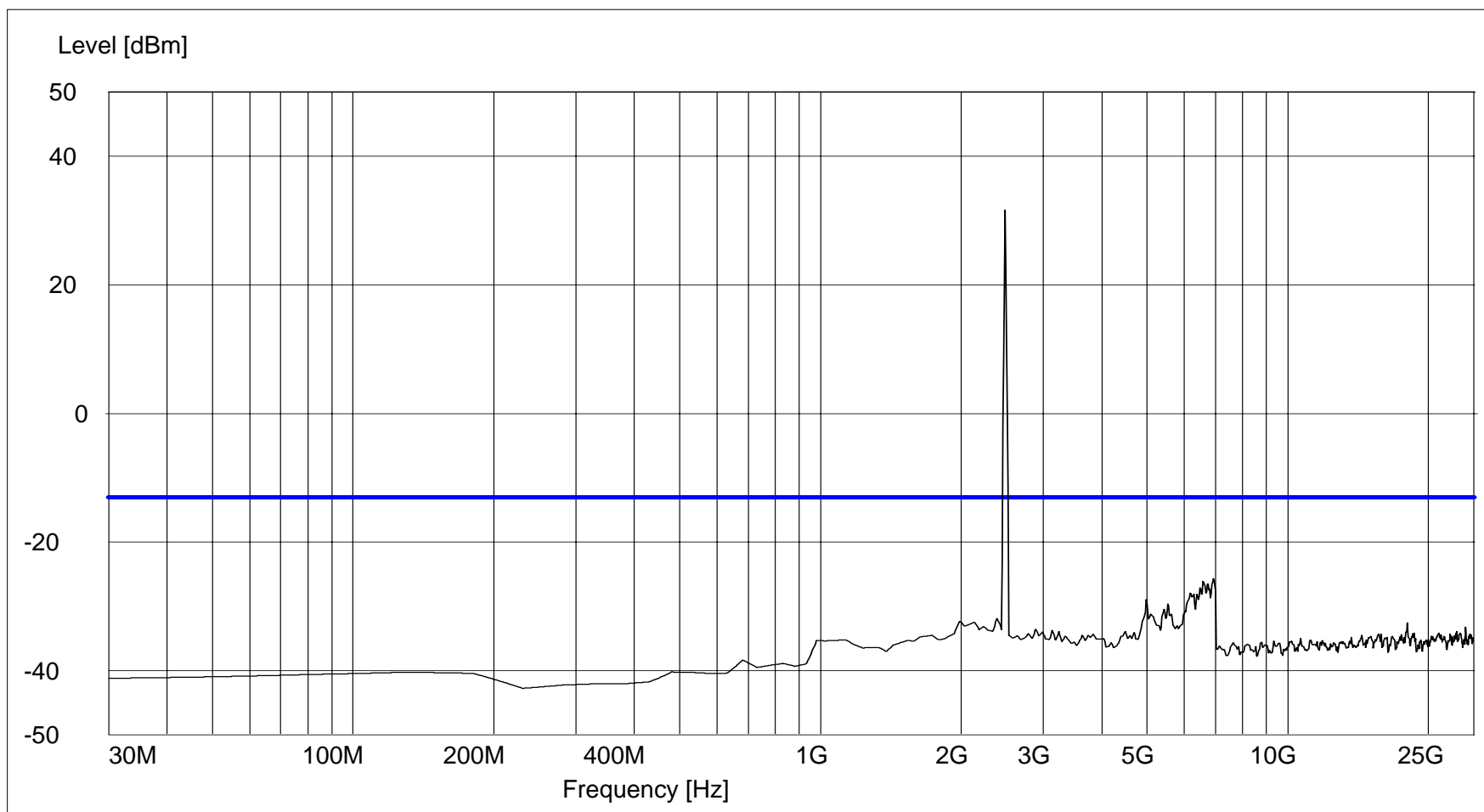
**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 10, Digital, High Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 10.47 Watts



**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 10, Analog, Low Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 1.90 Watts



**Antenna Conducted Emissions**

Customer: Nucomm, Inc.  
EUT: Newscaster VT2  
Model: 23NCVT2-P10-339  
Specification: FCC Part 74, Section 74.637  
Mode: Channel 10, Digital, Low Power  
Technician: RW/RR  
Date: 7/23/2007  
Notes: Measured Power Output = 3.23 Watts

