

Date: 16.JUN.2009 21:23:20

**FCC 15.247 6dB Bandwidth**

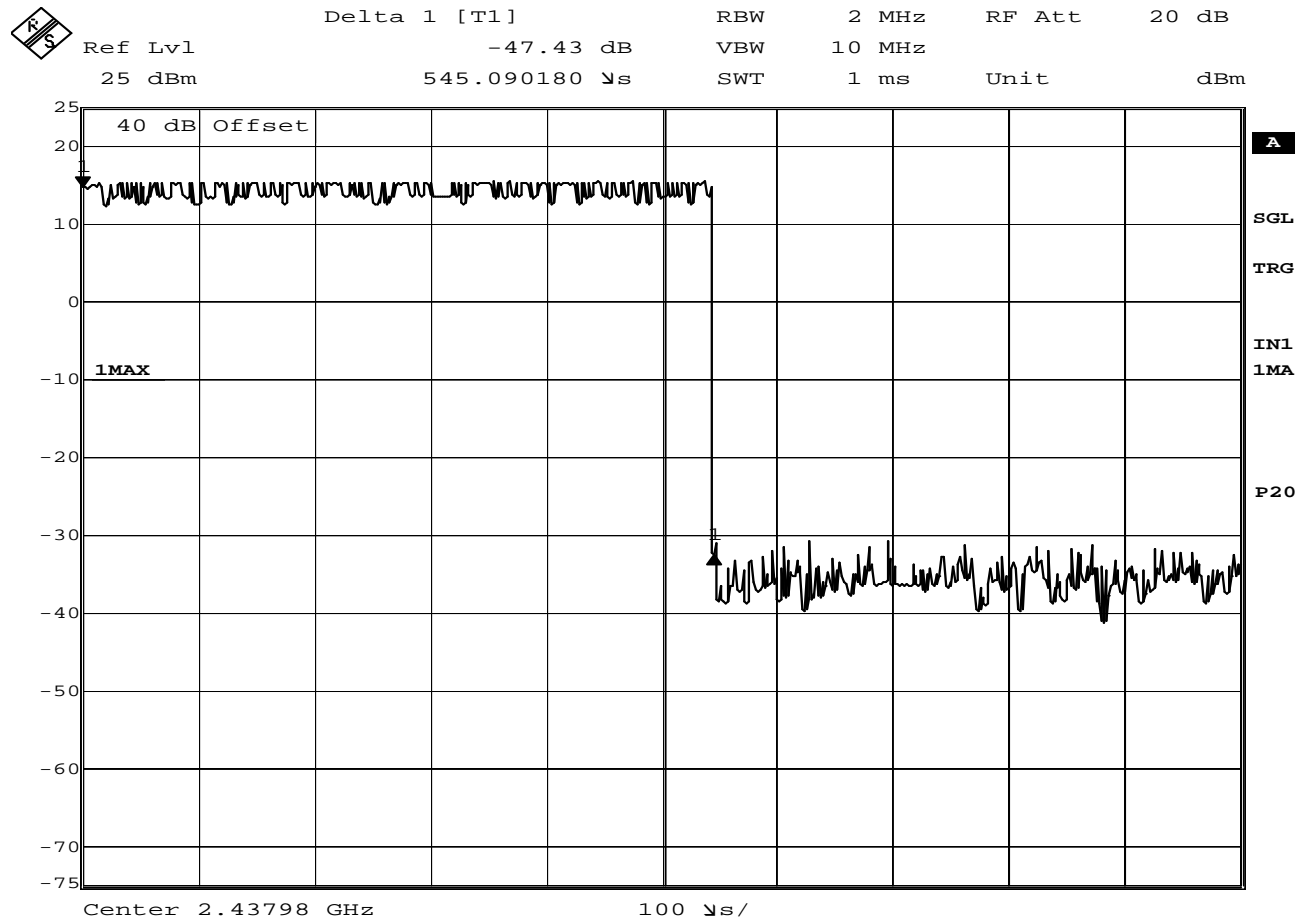
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2462MHz (Ch. 11)  
TEST PARAMETER : 6dB bandwidth = 9.26MHz in a 100kHz bandwidth  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Manufacturer : Conner-Winfield Corporation  
Test Item : NavTrack  
Model No. : CW85 V4  
Serial No. : 01  
Test Performed : Peak Output Power (antenna conducted method)  
Date tested : June 15, 2009

Frequency MHz	Channel	Power Meter Reading dBm	Power dBm	Power Watts
2412.85	1	15.17	15.17	0.0329
2437.98	6	15.70	15.70	0.0372
2461.78	11	15.27	15.27	0.0337

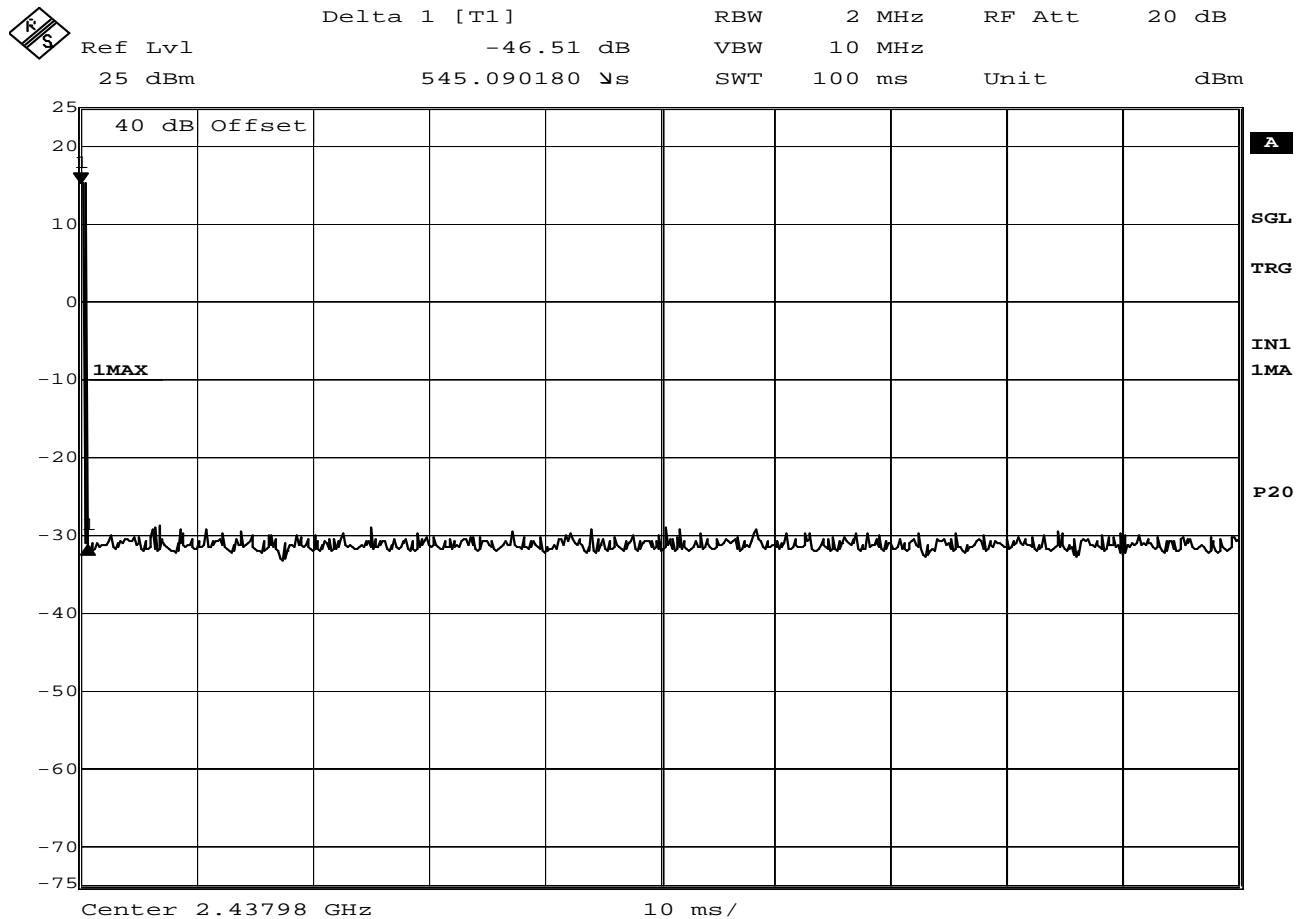
Checked By: MARK E. LONGINOTTI  
Mark E. Longinotti



Date: 15.JUN.2009 16:25:06

**FCC 15.247 Duty Cycle Factor**

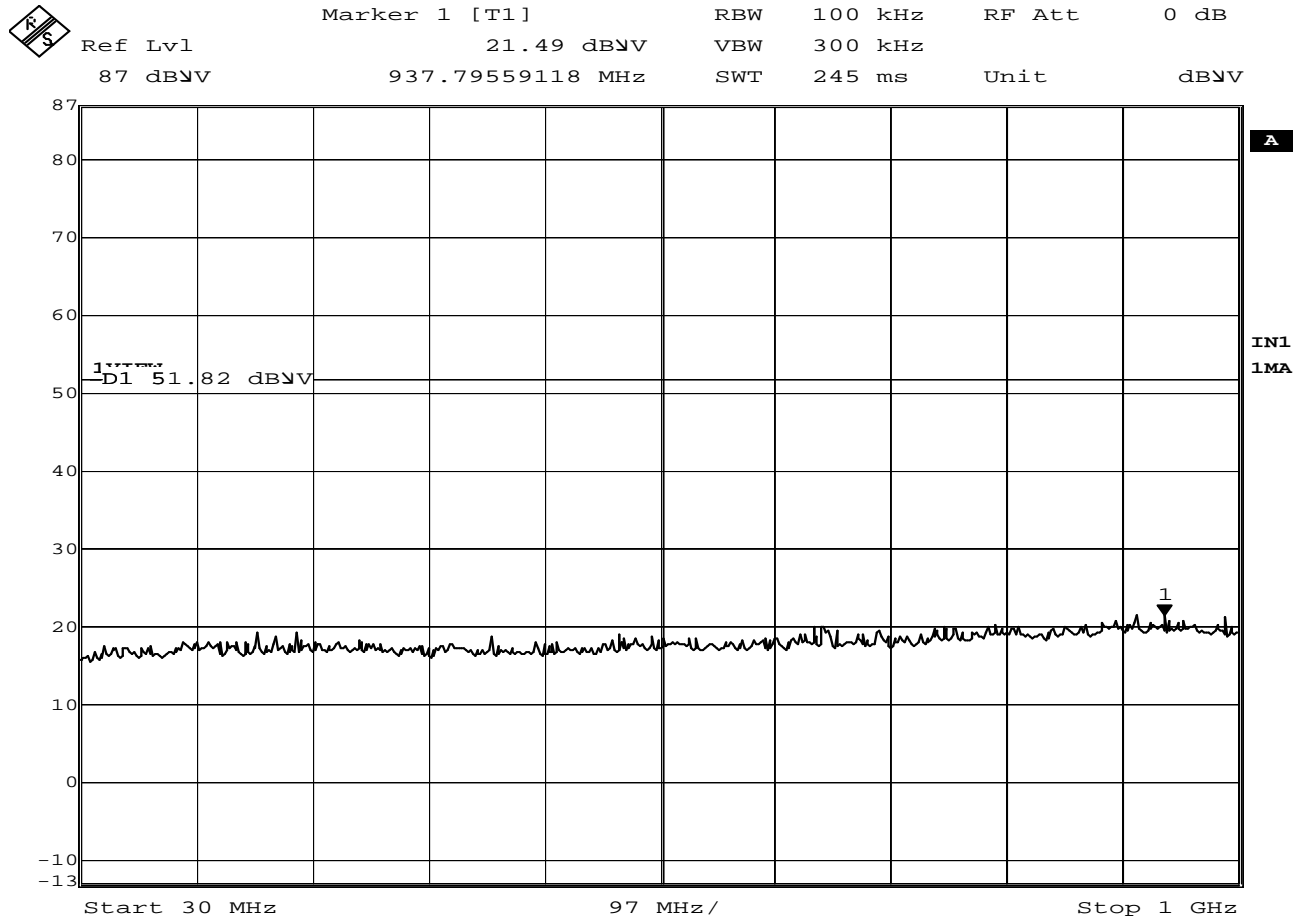
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 02  
TEST MODE : Transmit @ 2437.98MHz (Ch. 6), Normal Operation  
TEST PARAMETER : On time = 545usec  
EQUIPMENT USED : RBB0,T2D7,T2DI



Date: 15.JUN.2009 16:29:04

**FCC 15.247 Duty Cycle Factor**

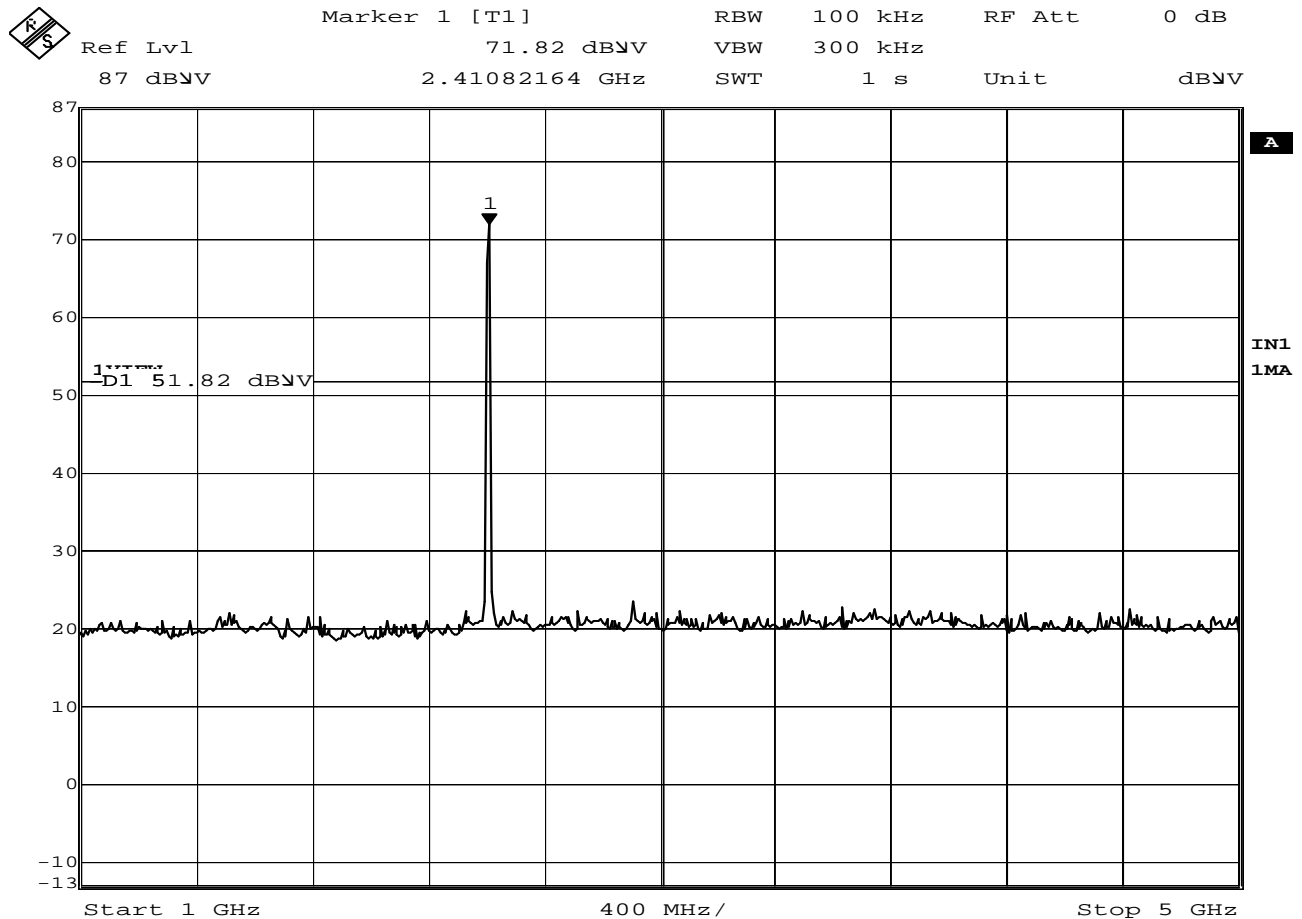
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 02  
TEST MODE : Transmit @ 2437.98MHz (Ch. 6), Normal Operation  
TEST PARAMETER : On time = 545 $\mu$ sec in 100msec  
: Duty cycle factor =  $20 \cdot \log(0.545\text{msec}/100\text{msec}) =$   
: -45.3dB  
EQUIPMENT USED : RBB0,T2D7,T2DI



Date: 16.JUN.2009 20:45:38

**FCC 15.247 Spurious RF Conducted Emissions**

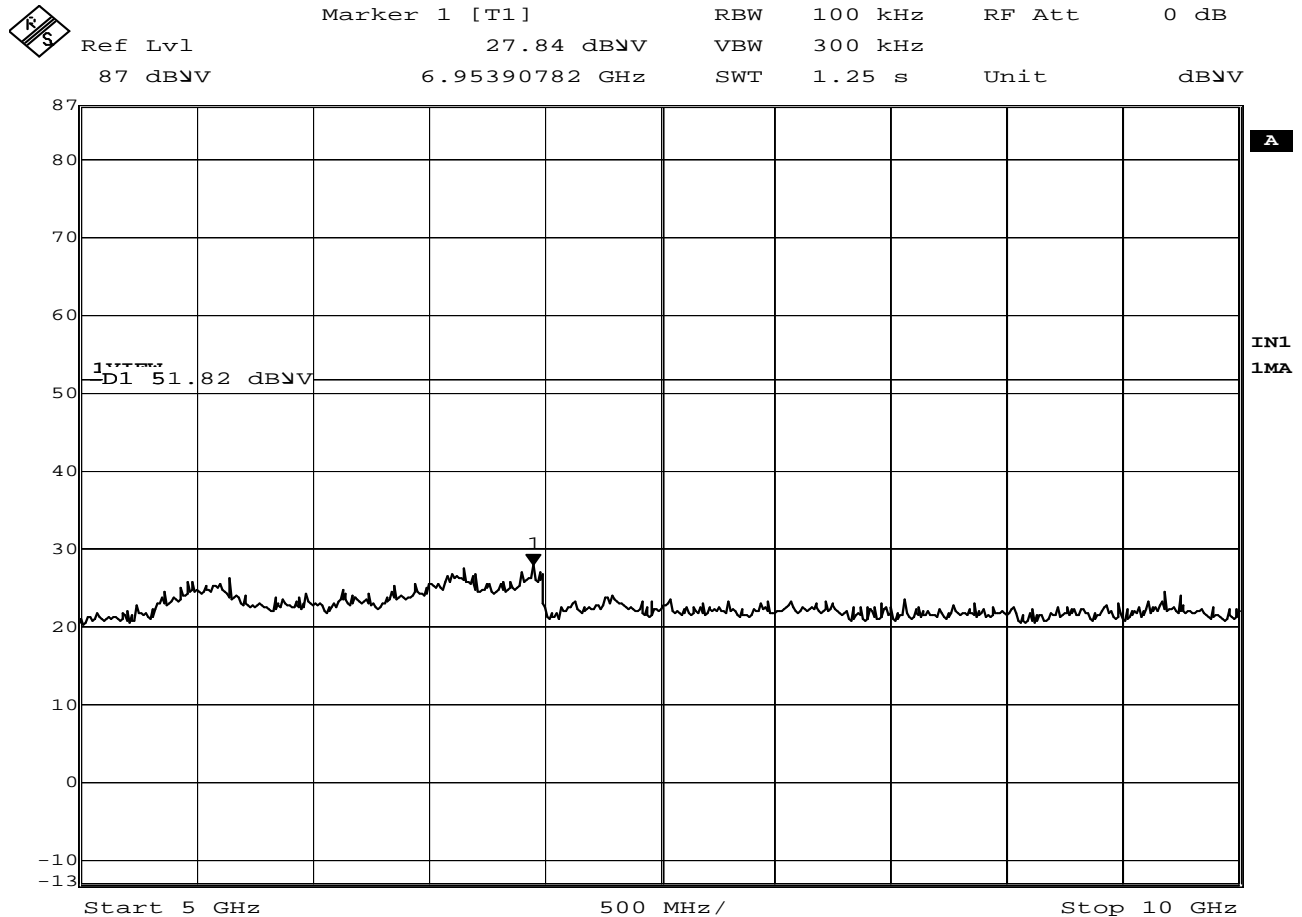
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2413MHz (Ch. 1)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 20:44:41

**FCC 15.247 Spurious RF Conducted Emissions**

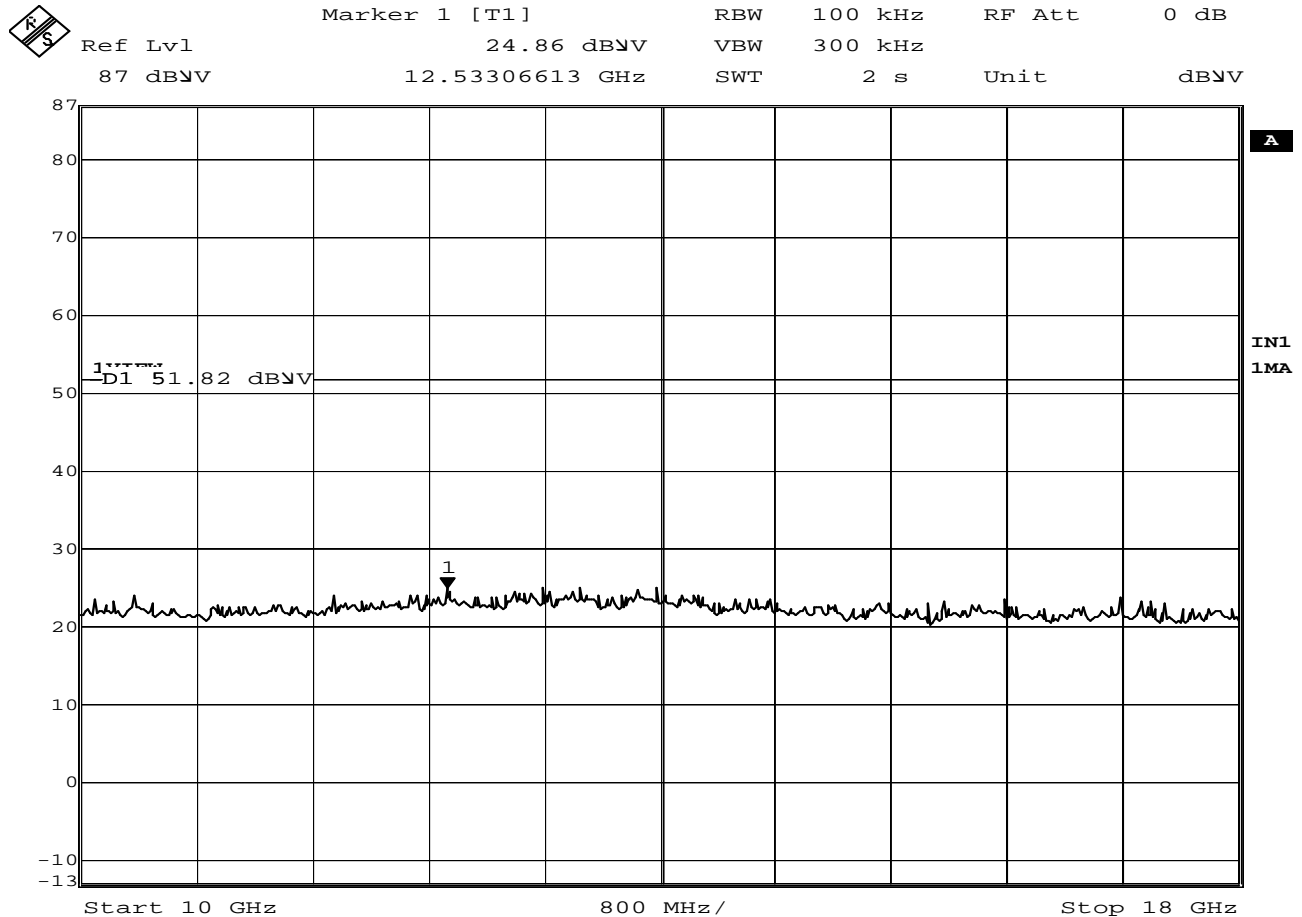
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2413MHz (Ch. 1)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 20:46:41

**FCC 15.247 Spurious RF Conducted Emissions**

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2413MHz (Ch. 1)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI

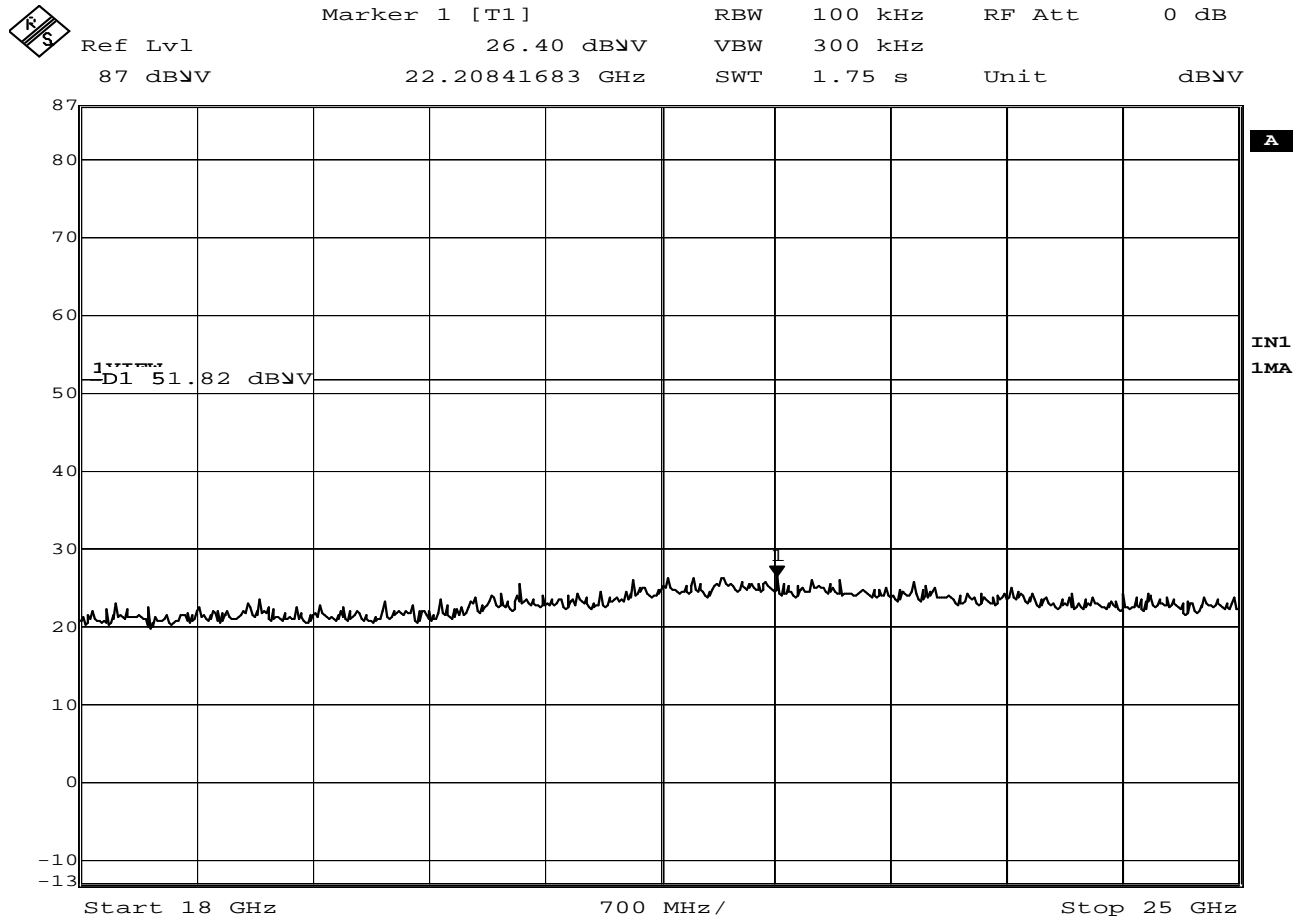


Date: 16.JUN.2009 20:47:45

**FCC 15.247 Spurious RF Conducted Emissions**

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2413MHz (Ch. 1)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI

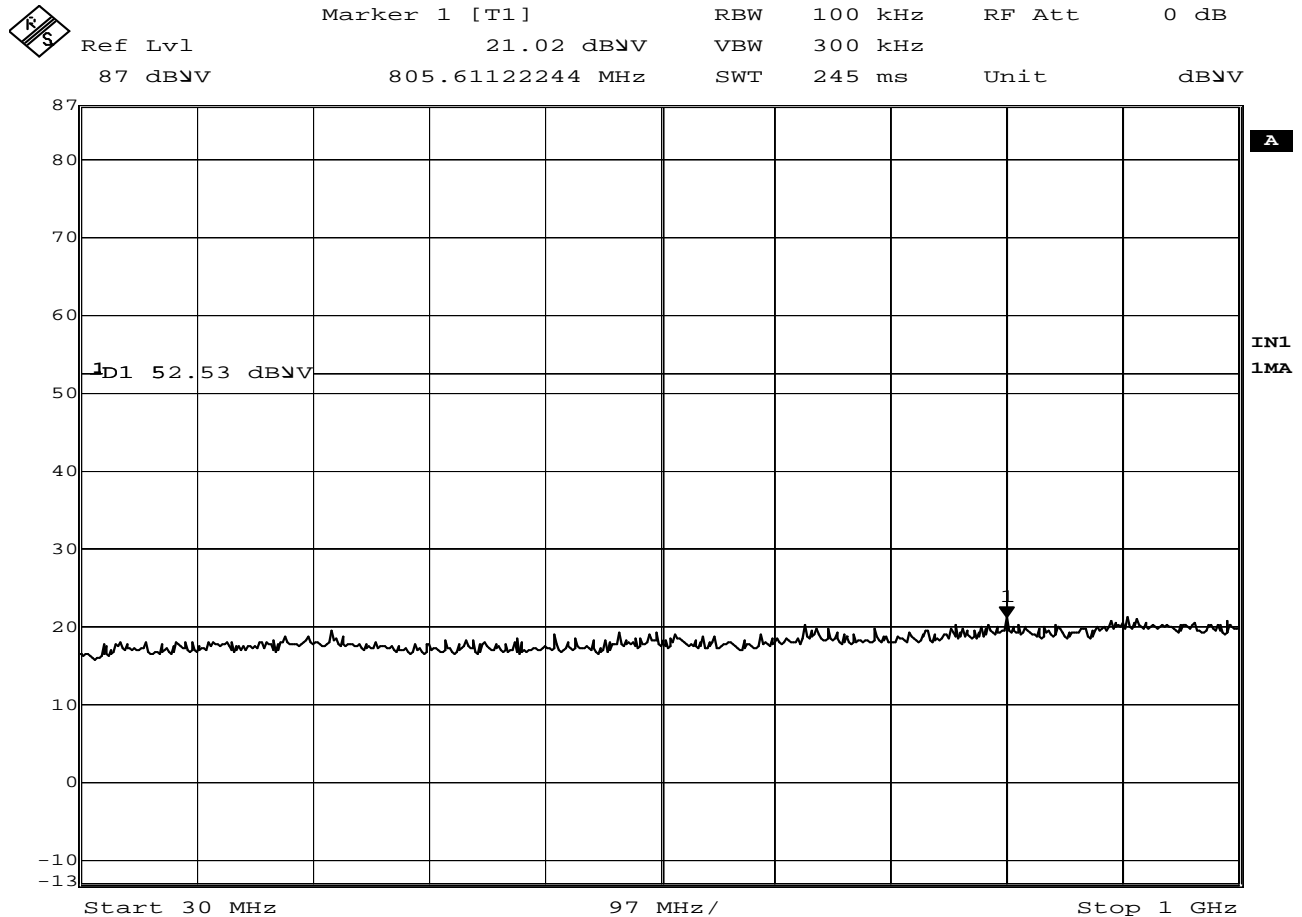




Date: 16.JUN.2009 20:48:37

**FCC 15.247 Spurious RF Conducted Emissions**

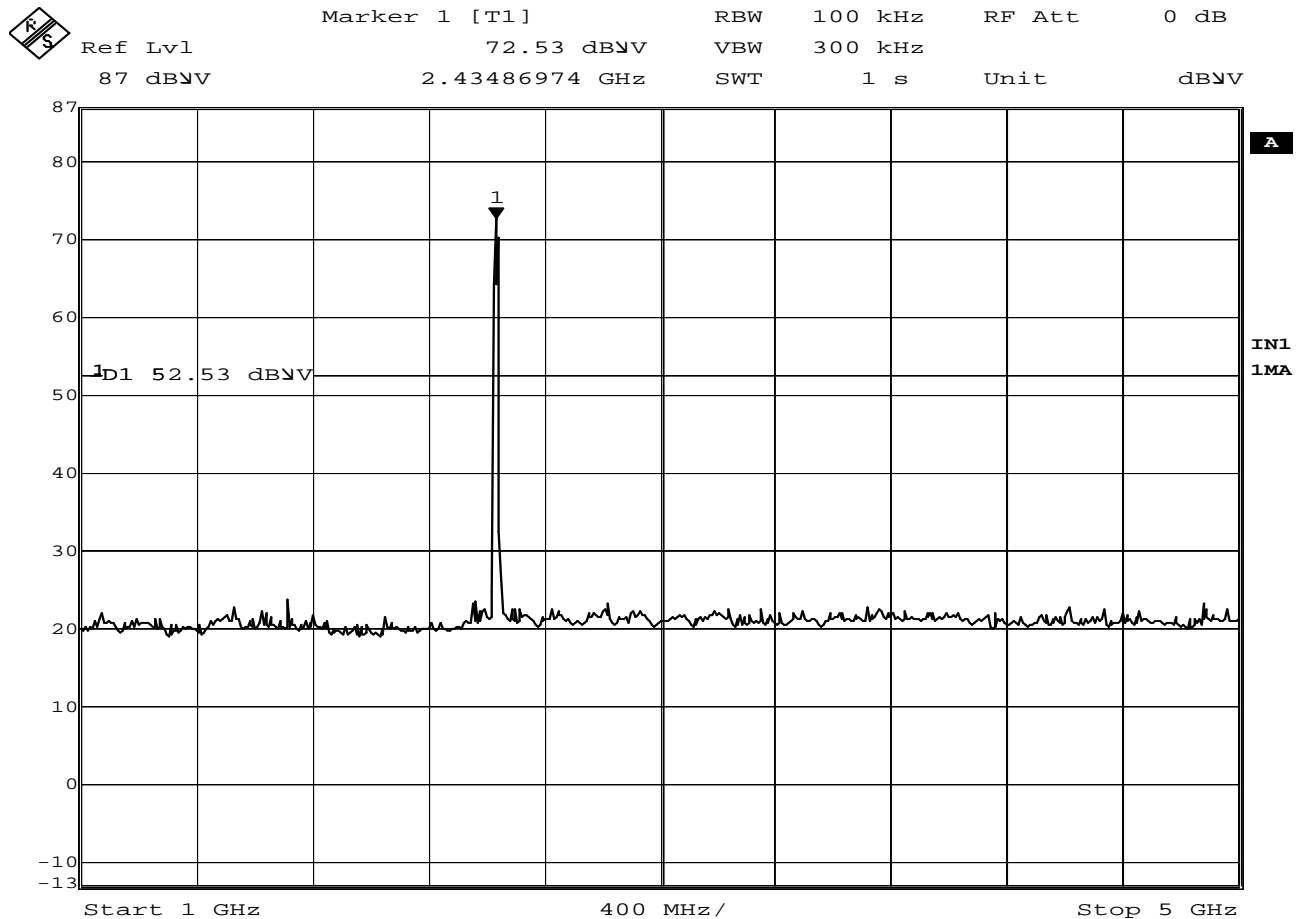
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2413MHz (Ch. 1)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 19:05:41

**FCC 15.247 Spurious RF Conducted Emissions**

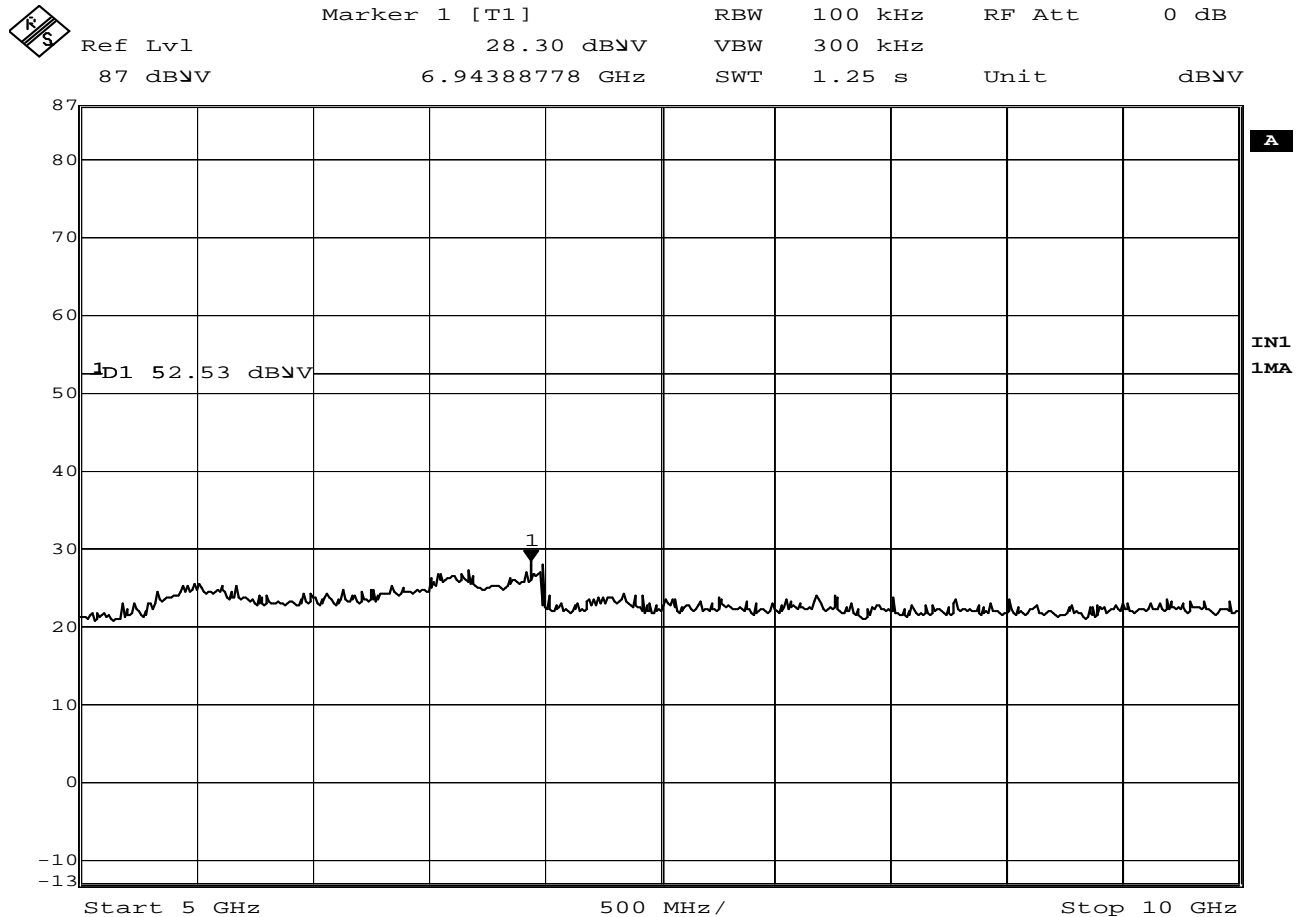
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2438MHz (Ch. 6)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 19:04:12

## FCC 15.247 Spurious RF Conducted Emissions

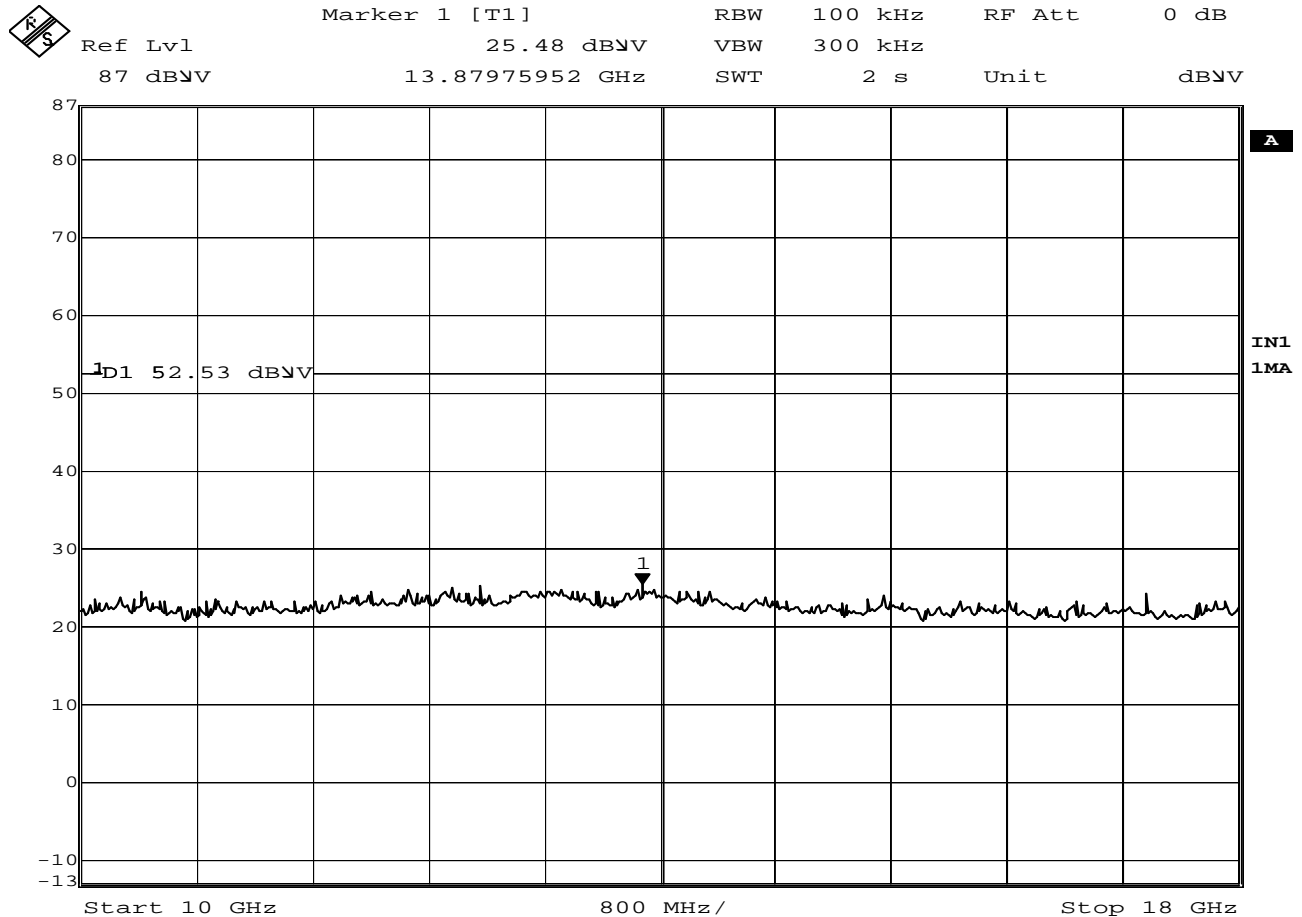
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2438MHz (Ch. 6)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 19:07:08

**FCC 15.247 Spurious RF Conducted Emissions**

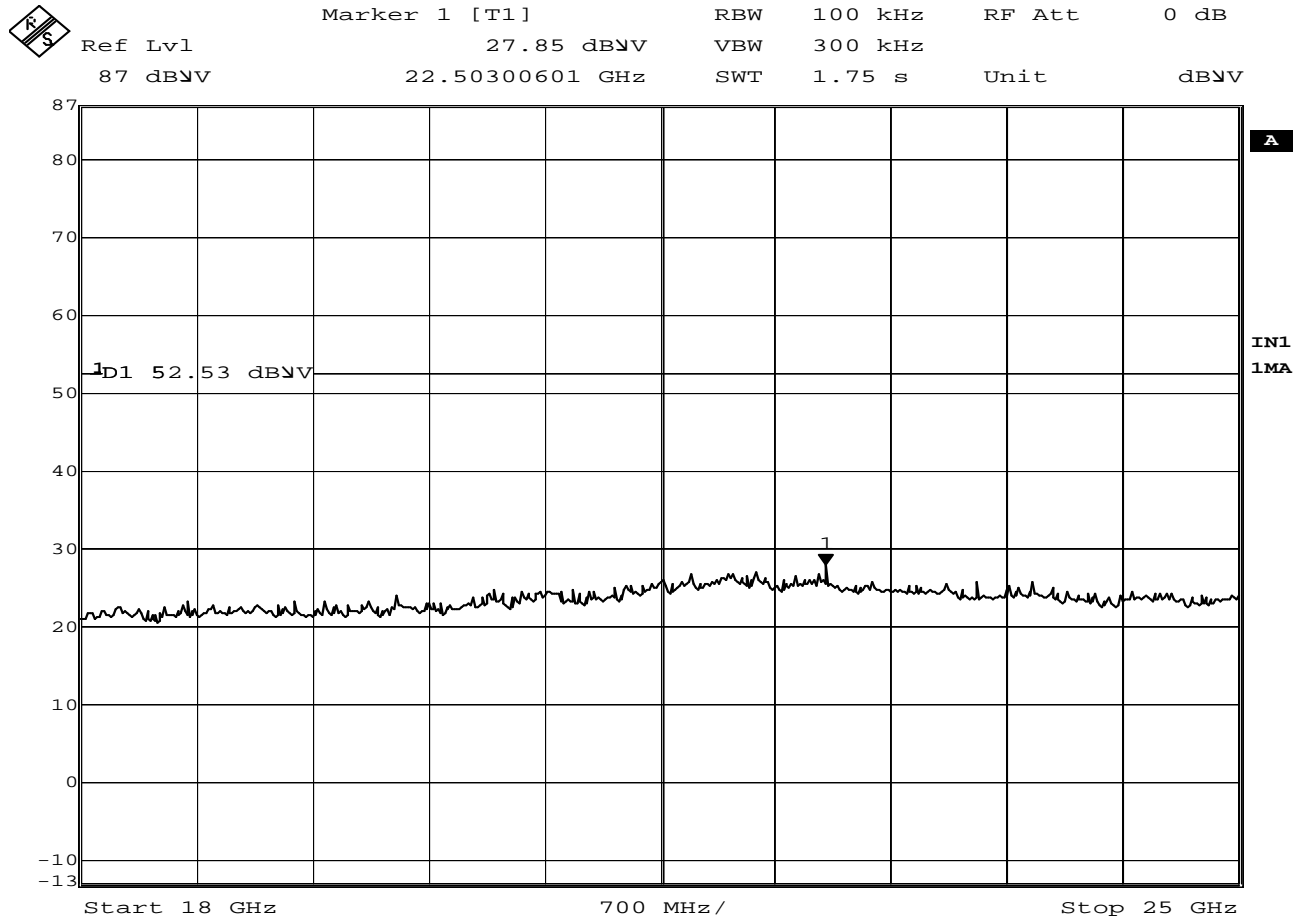
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2438MHz (Ch. 6)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 19:08:42

**FCC 15.247 Spurious RF Conducted Emissions**

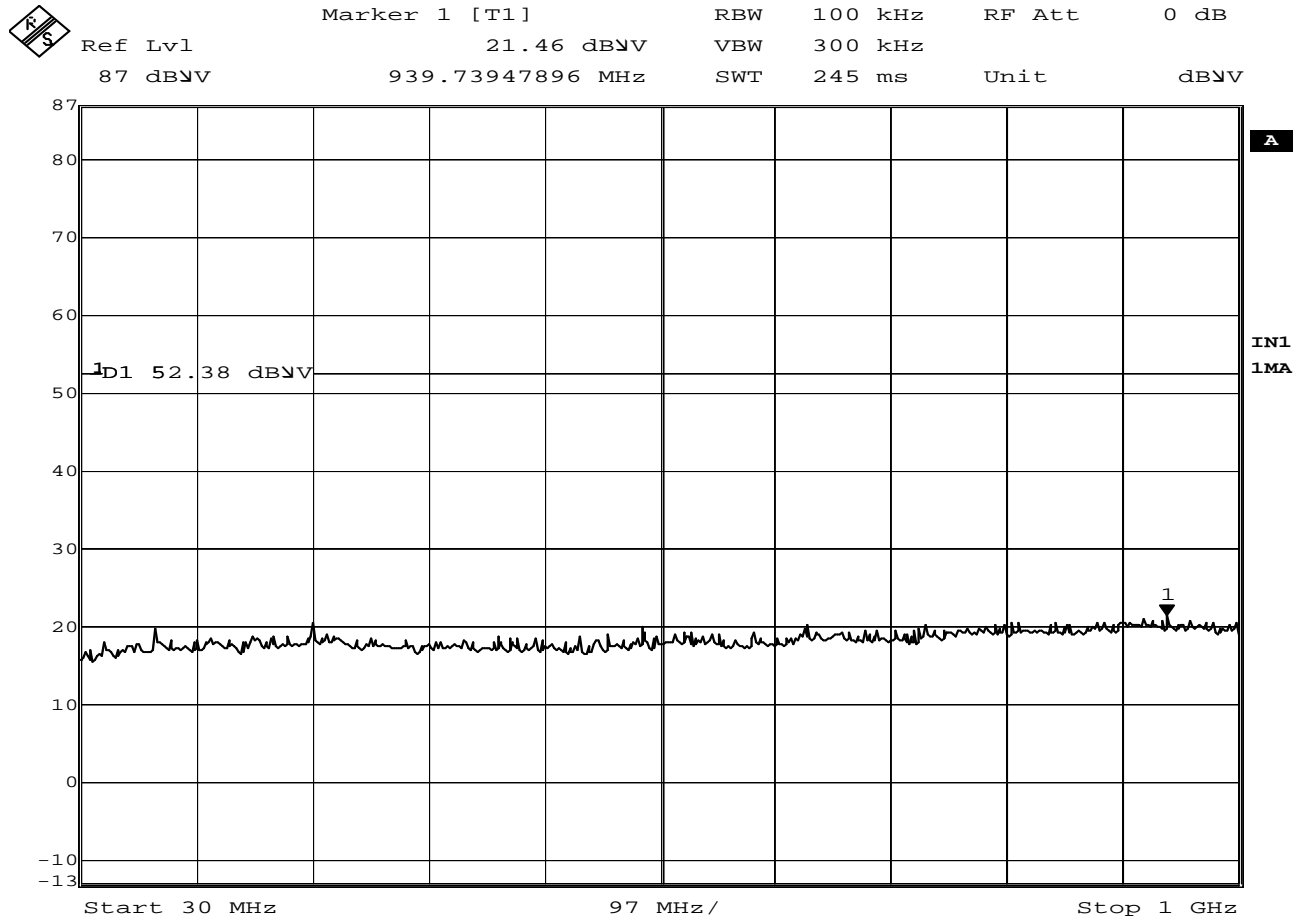
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2438MHz (Ch. 6)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 19:10:08

**FCC 15.247 Spurious RF Conducted Emissions**

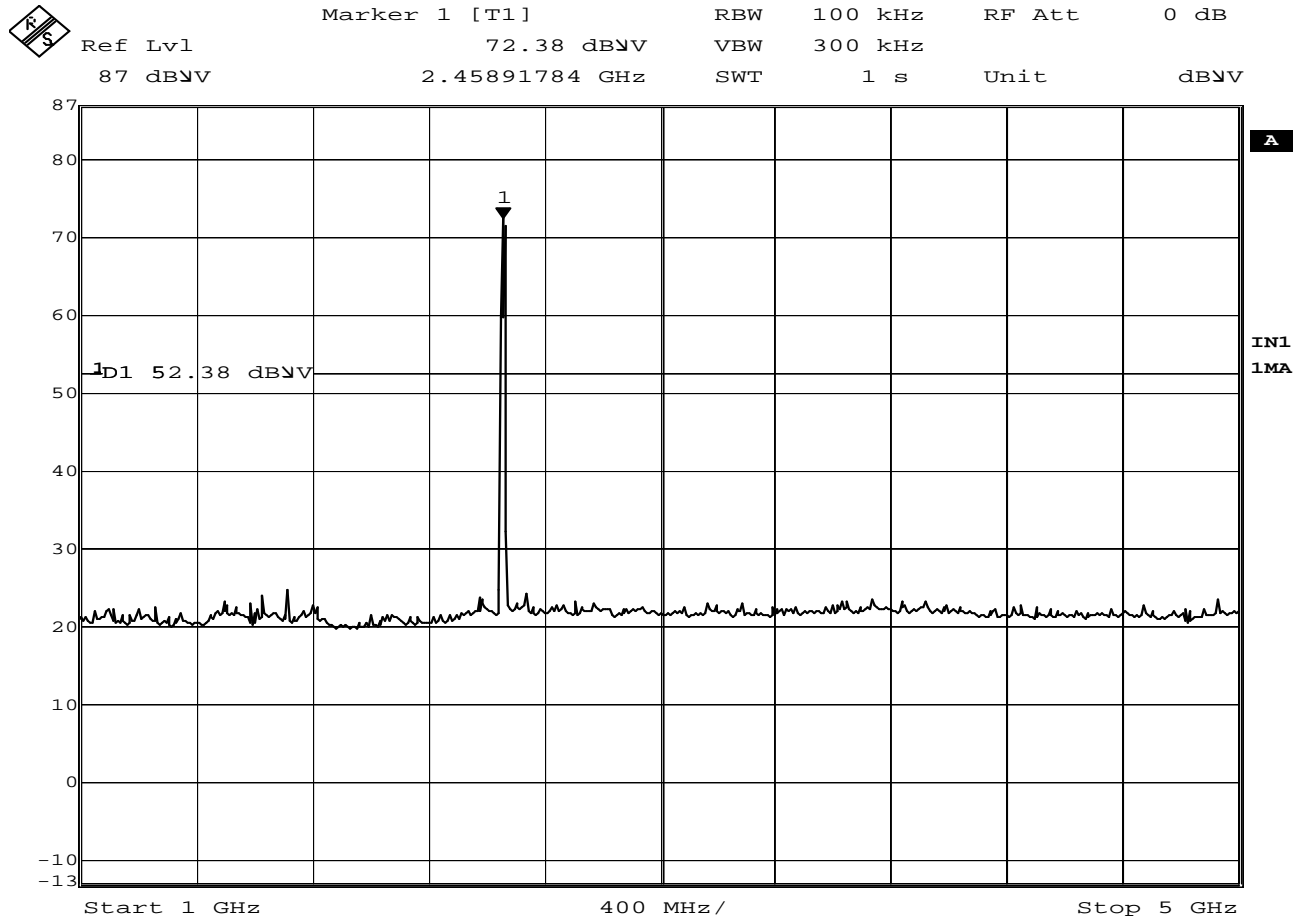
MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2438MHz (Ch. 6)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Date: 16.JUN.2009 18:50:34

**FCC 15.247 Spurious RF Conducted Emissions**

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2462MHz (Ch. 11)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI

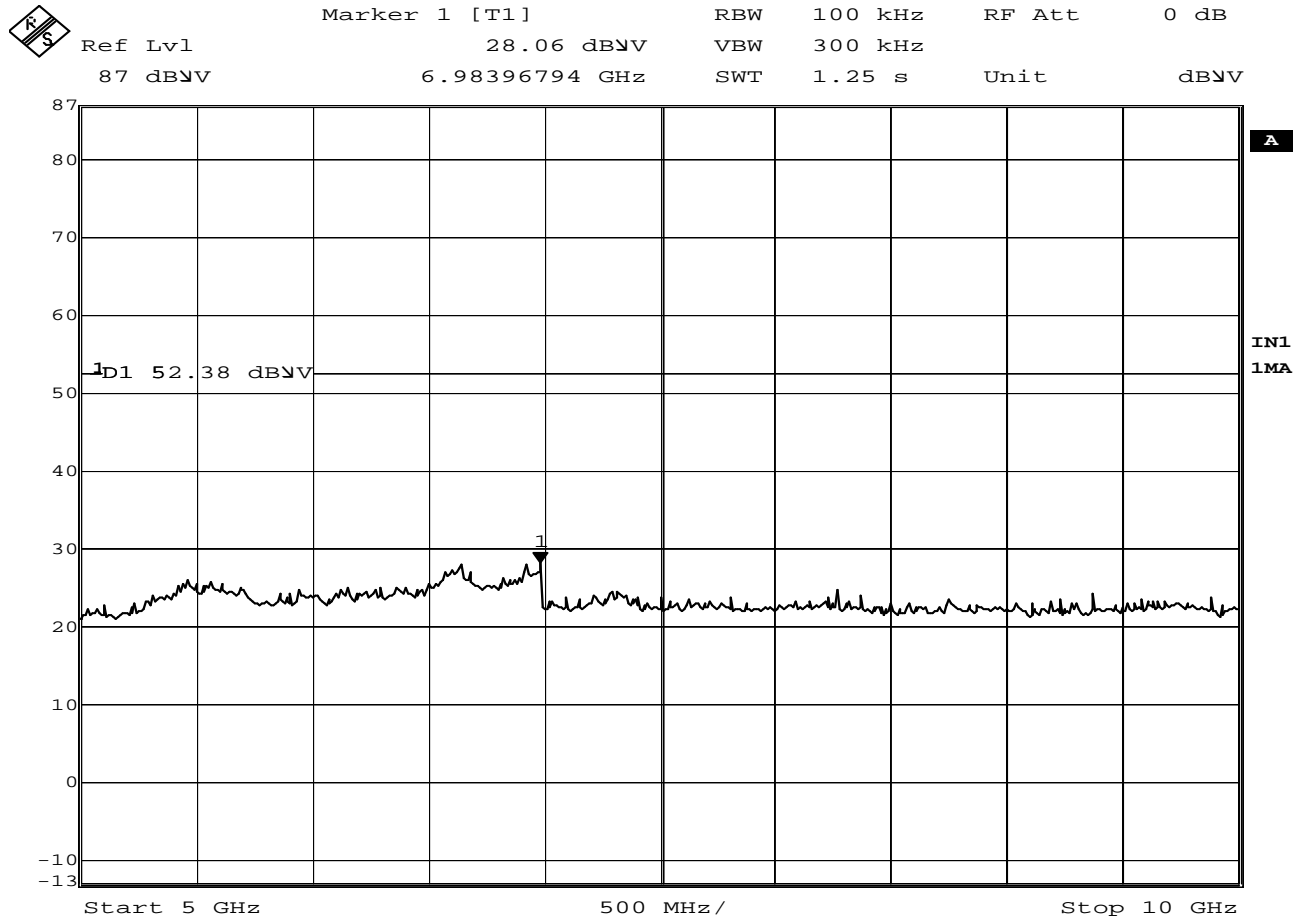


Date: 16.JUN.2009 18:45:20

**FCC 15.247 Spurious RF Conducted Emissions**

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2462MHz (Ch. 11)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI

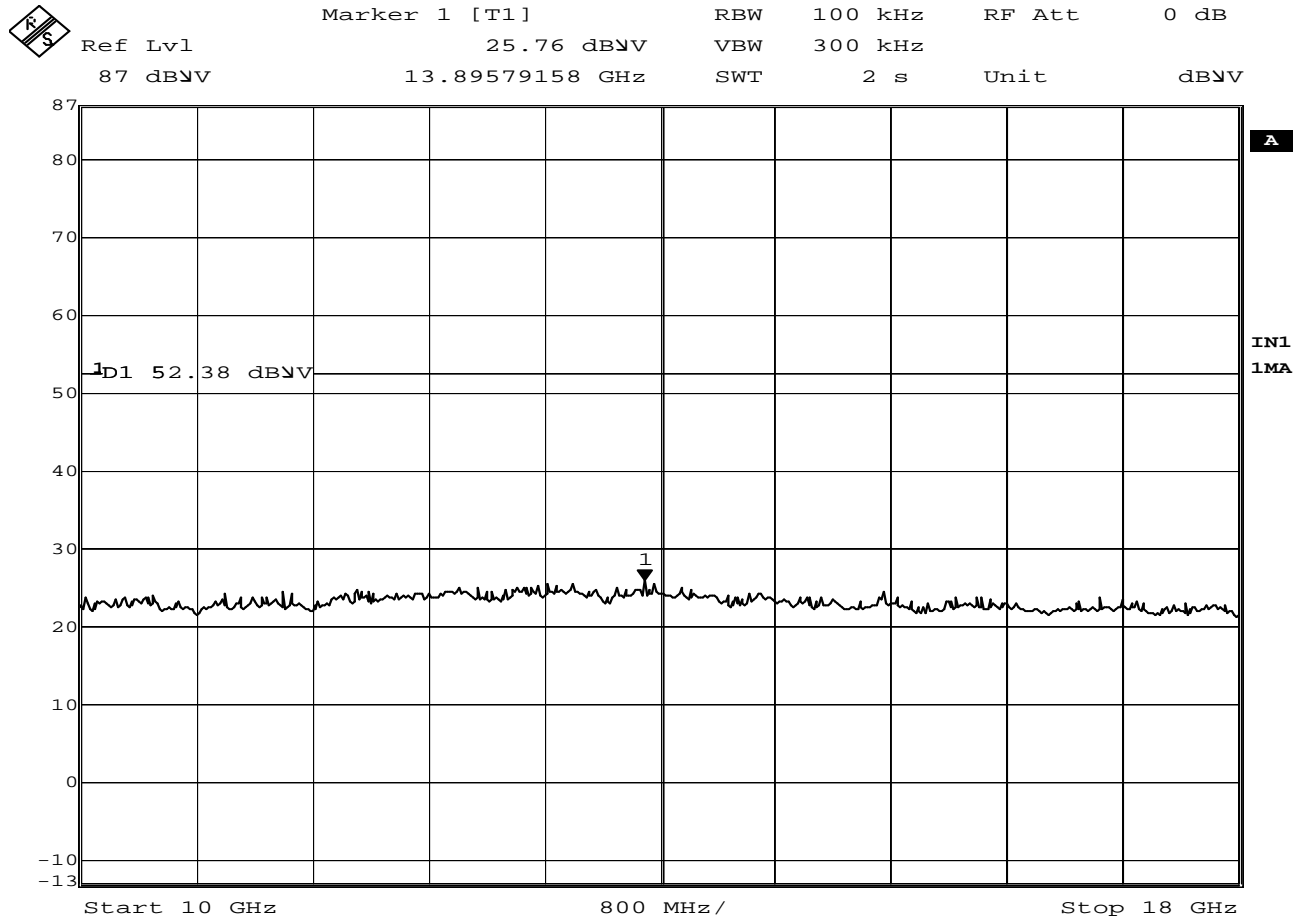




Date: 16.JUN.2009 18:52:51

**FCC 15.247 Spurious RF Conducted Emissions**

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2462MHz (Ch. 11)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



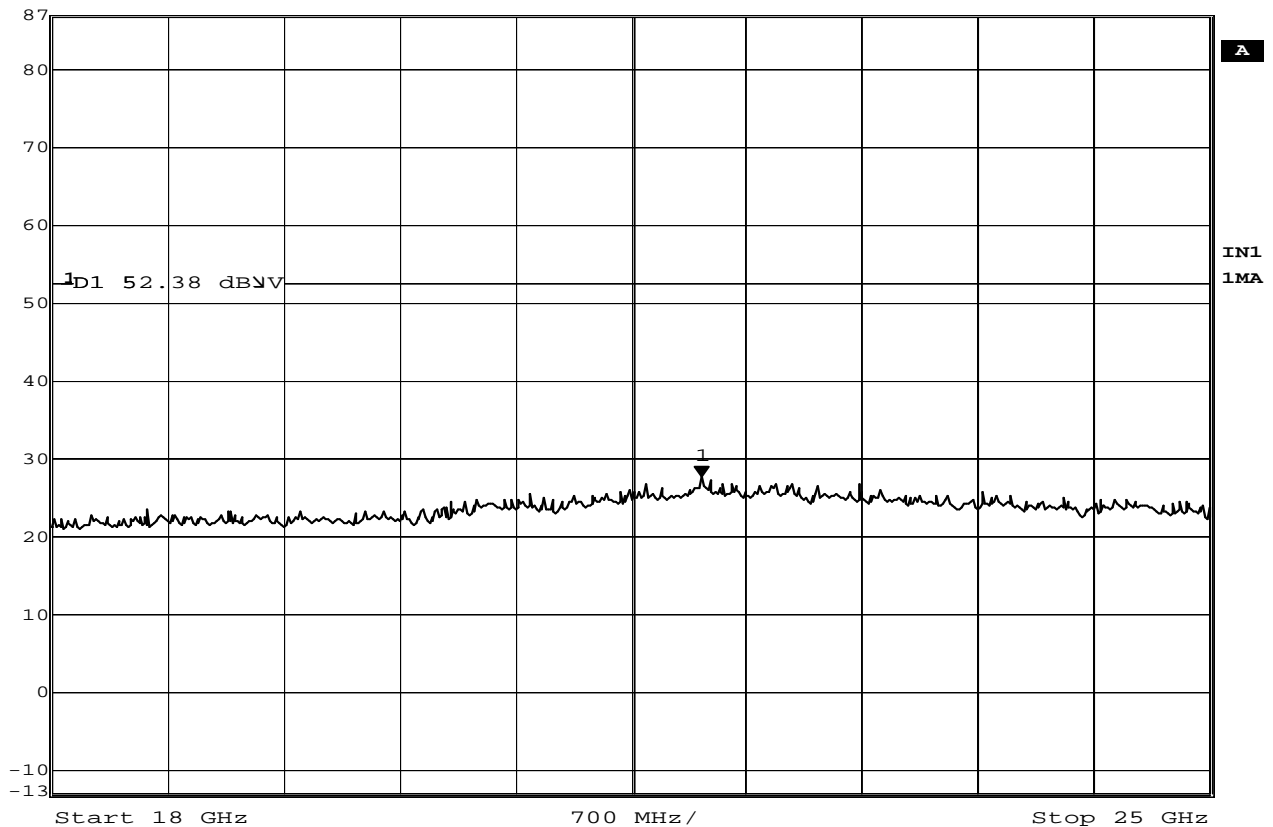
Date: 16.JUN.2009 18:56:36

**FCC 15.247 Spurious RF Conducted Emissions**

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2462MHz (Ch. 11)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI



Marker 1 [T1] RBW 100 kHz RF Att 0 dB  
Ref Lvl 27.69 dBμV VBW 300 kHz  
87 dBμV 21.92785571 GHz SWT 1.75 s Unit dBμV



Date: 16.JUN.2009 18:59:26

### FCC 15.247 Spurious RF Conducted Emissions

MANUFACTURER : Connor-Winfield Corporation  
PART NUMBER : NavTrack  
SERIAL NUMBER : 01  
TEST MODE : Transmit @ 2462MHz (Ch. 11)  
TEST PARAMETER : All emissions outside the frequency band in  
which the transmitter is operating must be at  
least 20dB down from the band that contains the  
highest power when using a 100kHz bandwidth.  
Display line D1 represents the 20dB down level.  
NOTES : Measurements taken at the antenna port  
EQUIPMENT USED : RBB0,T2D7, T2DI

