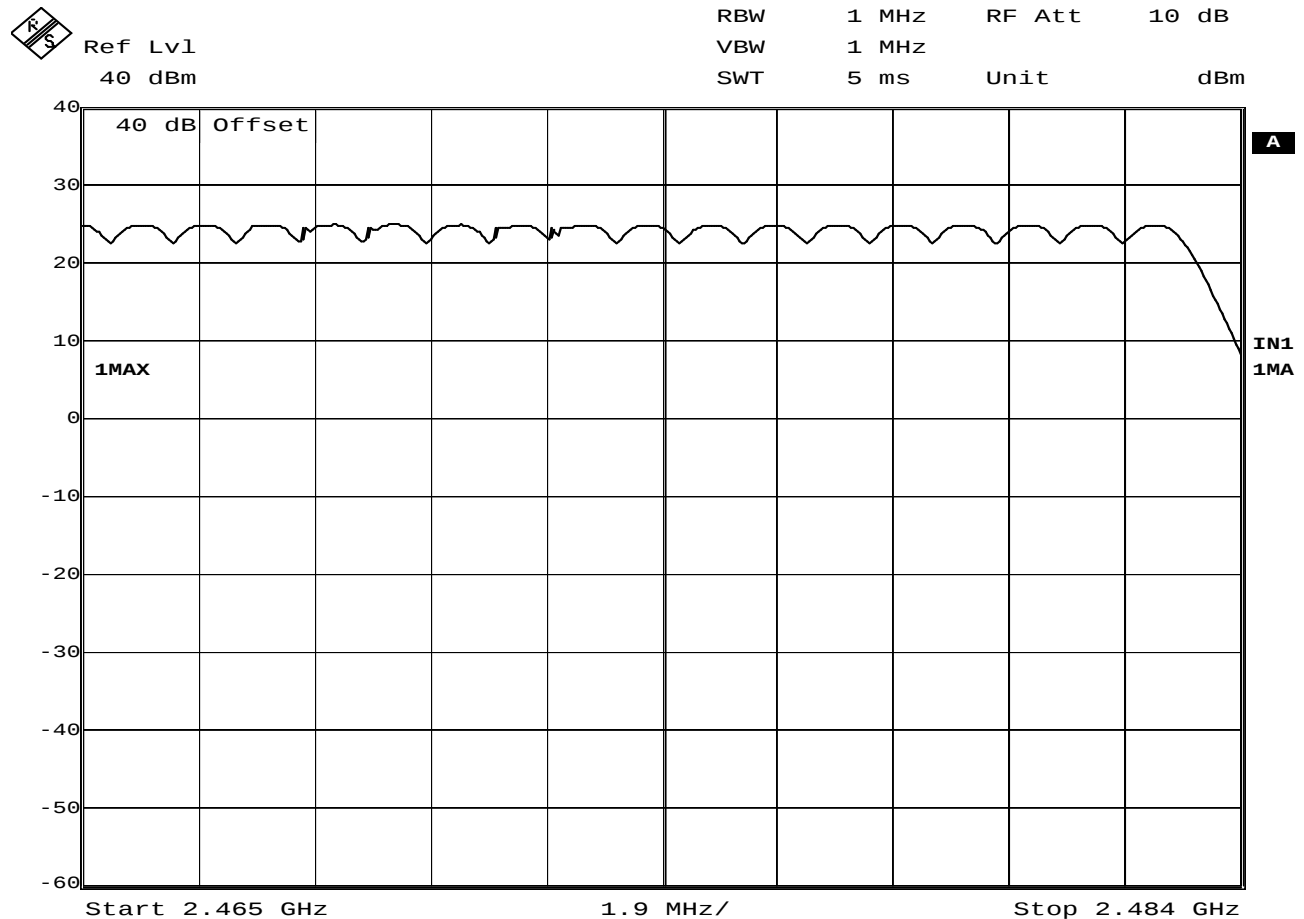




Date: 4.JUN.2009 22:41:13

FCC 15.247 Number of Hopping Frequencies

MANUFACTURER : Freewave Technologies

PART NUMBER : I2-IOC

SERIAL NUMBER : 244-0036

TEST MODE : Hopping Enabled

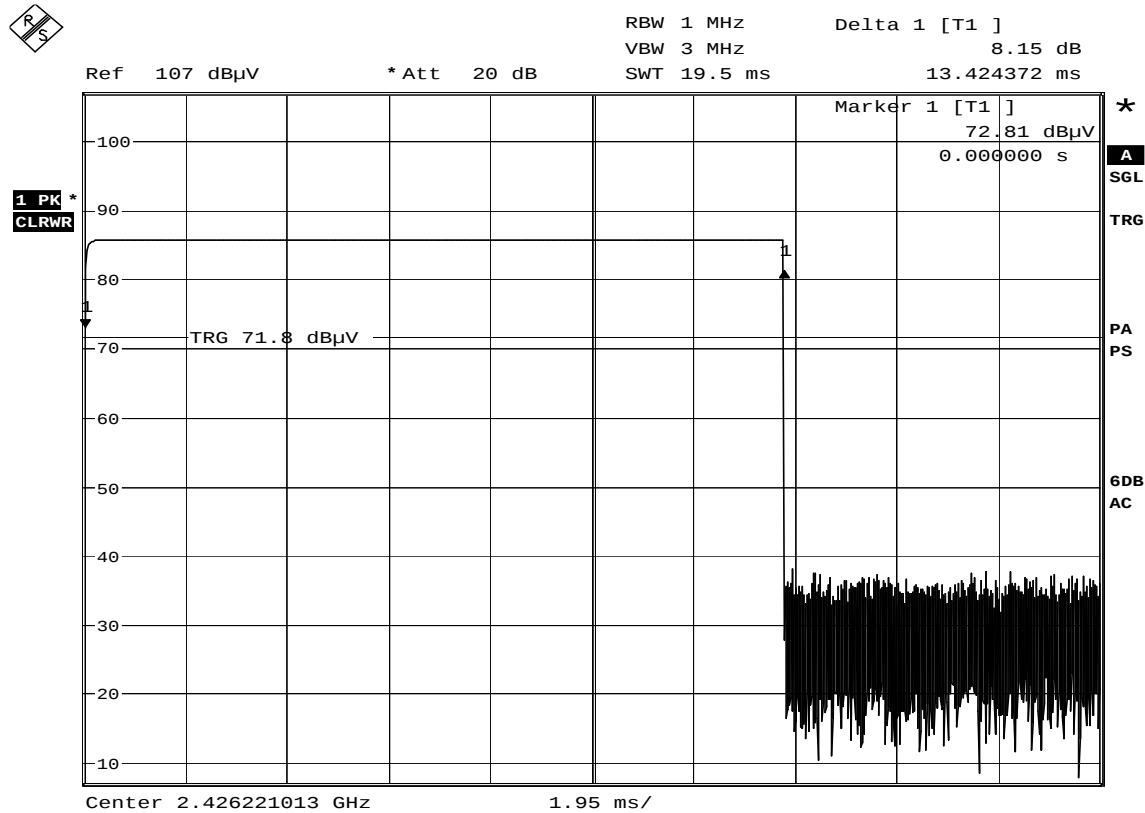
TEST PARAMETER : Number of Hopping Channels

: from 2465MHz to 2483.5 = 17

: Total number of hopping channels =

: 29 + 34 + 17 = 80

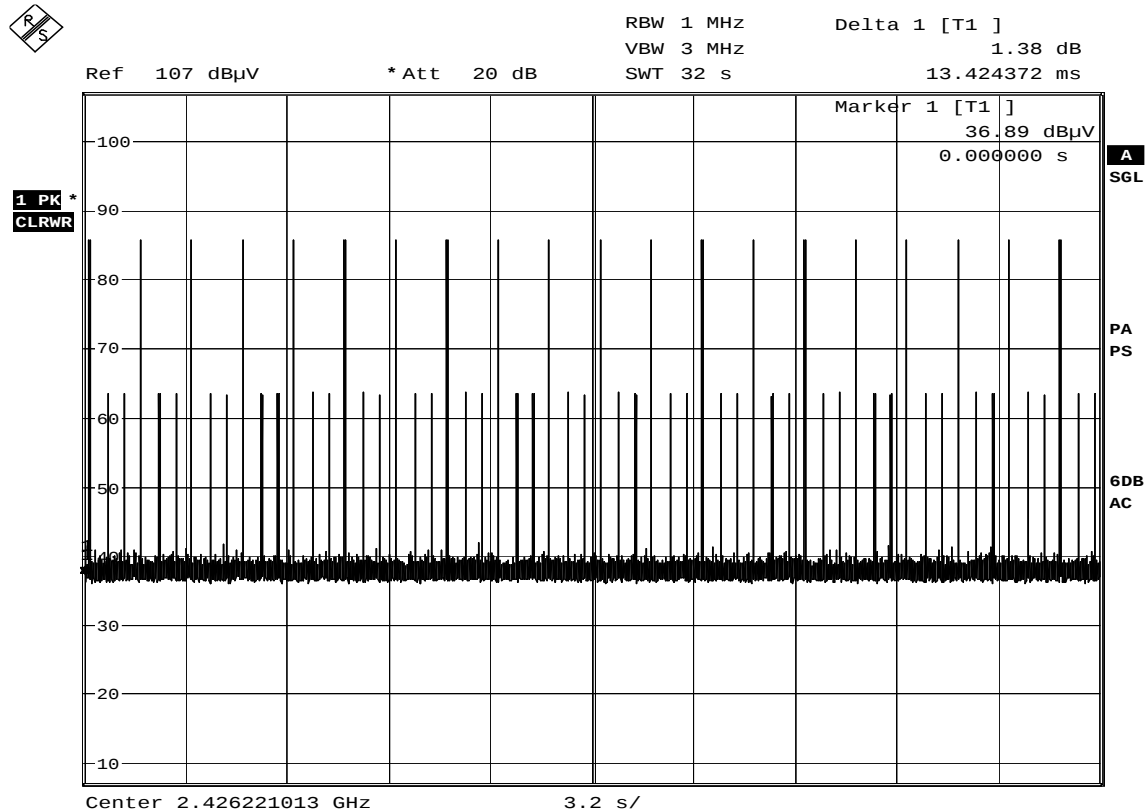
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 10.JUN.2009 17:59:49

FCC 15.247 Time of Occupancy

MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0073
TEST MODE : Hopping Enabled (paired with 244-0000)
TEST PARAMETER : Pulse Width = 13.4msec
EQUIPMENT USED : RBD1,T2DI,T2DH



Date: 10.JUN.2009 18:11:07

FCC 15.247 Duty Cycle Factor

MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0073
TEST MODE : Hopping Enabled (paired with 244-0000)
TEST PARAMETER : Number of Times on Channel in a period of 0.4
: times the number of hopping channels =
: 0.4seconds x 80 or 32 seconds is 20
TIME OF OCCUPANCY : Number of Times on Channel x Pulse Width =
: 20 x 13.4msec = 268 msec
EQUIPMENT USED : RBD1,T2DI,T2DH

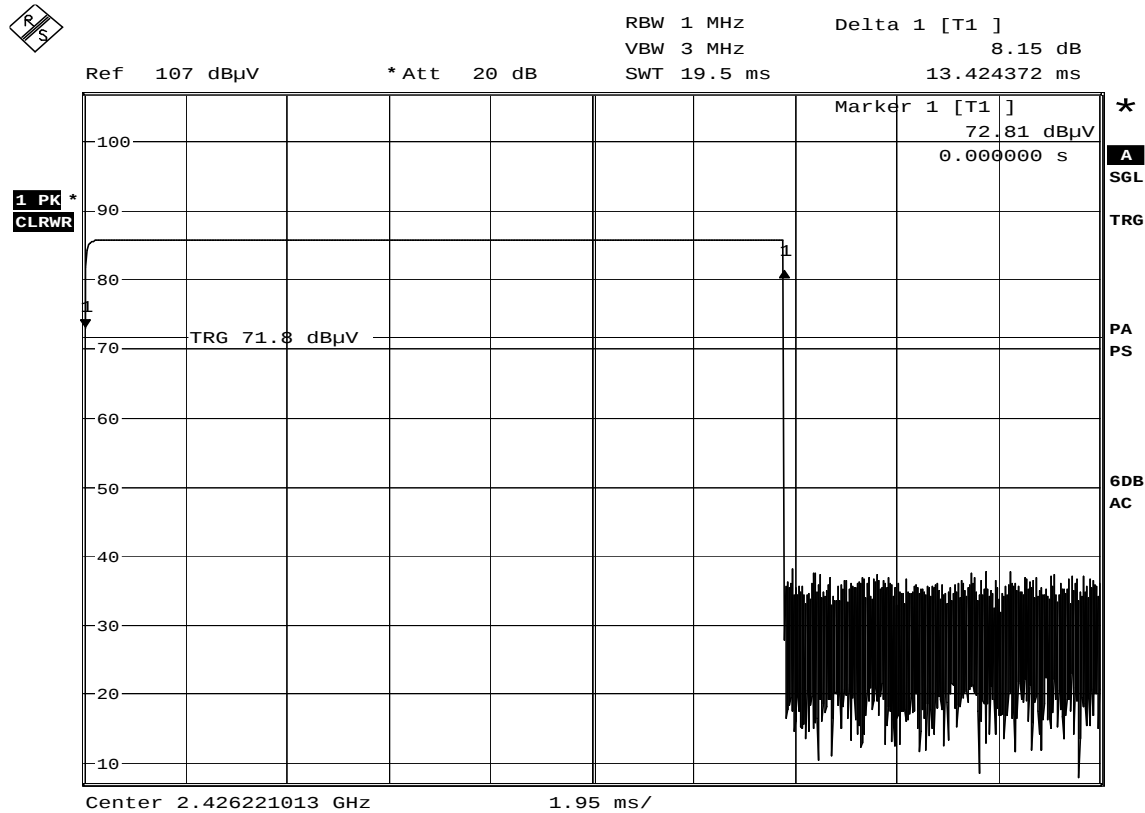


Manufacturer : Freewave Technologies, Inc.
Model No. : I2-IOC
Serial No. : 244-0036
Test Performed : Peak Output Power (antenna conducted method)
Date tested : May 27, 2009
Notes : Transmit CW, Power Level = 10, FF
Notes : Readings taken at antenna port using the coaxial cable provided by the manufacturer

Frequency MHz	Channel (Hex)	Power Meter Reading dBm	Attenuation dB	Power dB	Power Watts
2426.27	4B	-15.07	39.13	24.06	0.254
2445.62	83	-15.10	39.39	24.29	0.268
2464.98	BB	-14.90	39.07	24.17	0.261

Power (dB) = Power Meter Reading (dBm) + Attenuation (dB)

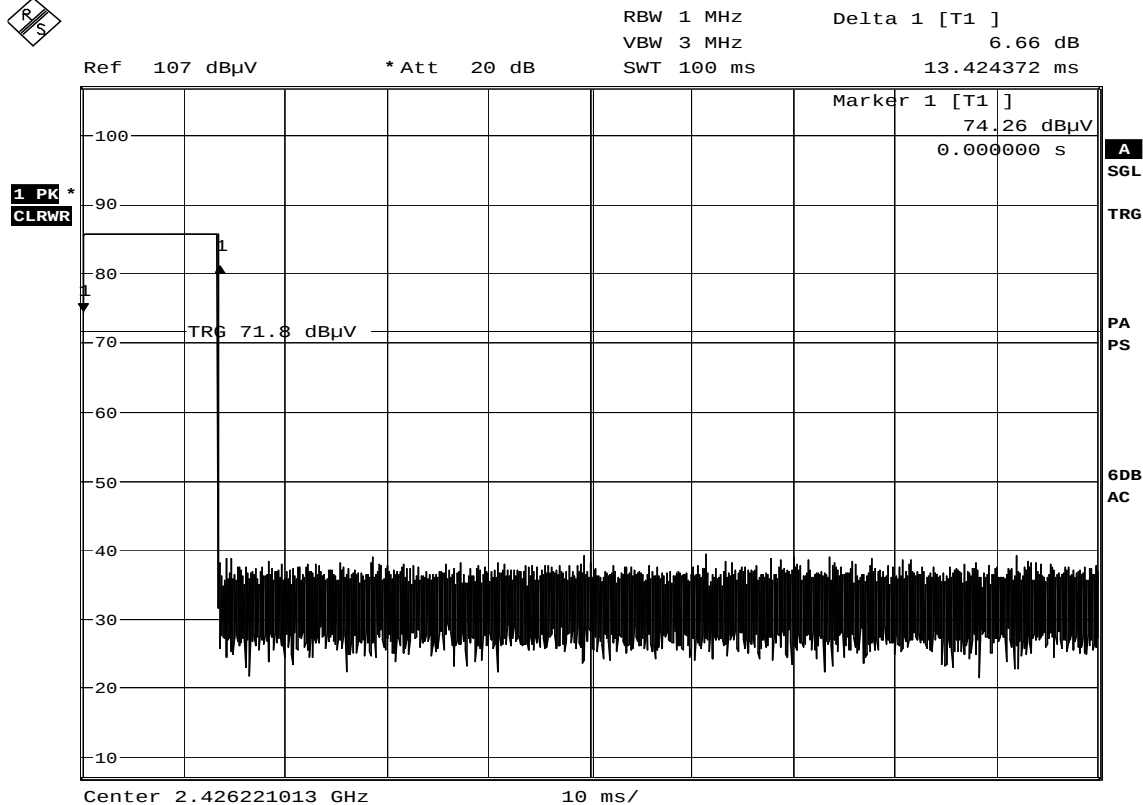
Checked By: MARK E. LONGINOTTI
Mark E. Longinotti



Date: 10.JUN.2009 17:59:49

FCC 15.247 Duty Cycle Factor

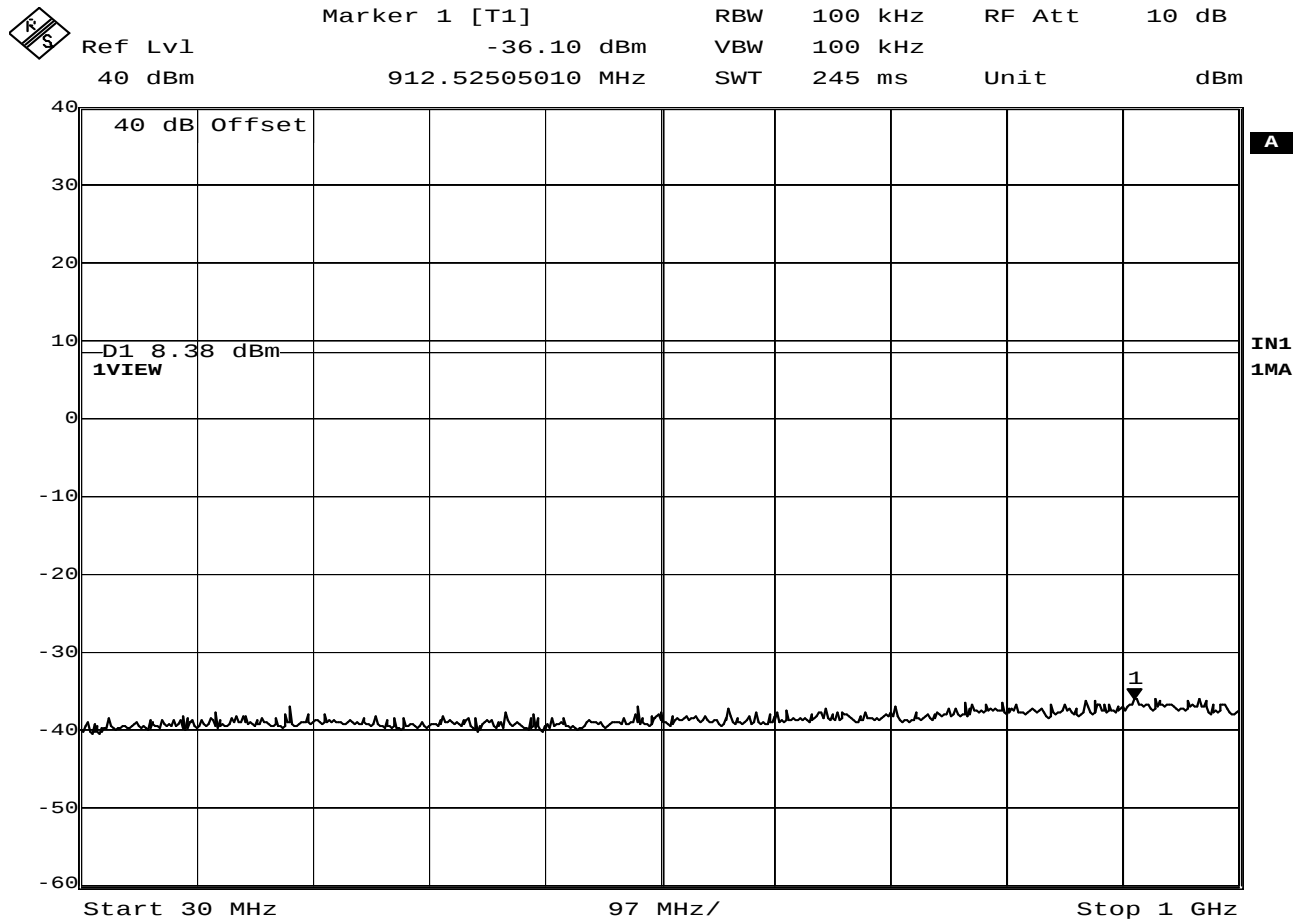
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Hopping Enabled (paired with 244-0000)
TEST PARAMETER : Pulse Width = 13.4msec
EQUIPMENT USED : RBD1,T2DI,T2DH



Date: 10.JUN.2009 18:05:38

FCC 15.247 Duty Cycle Factor

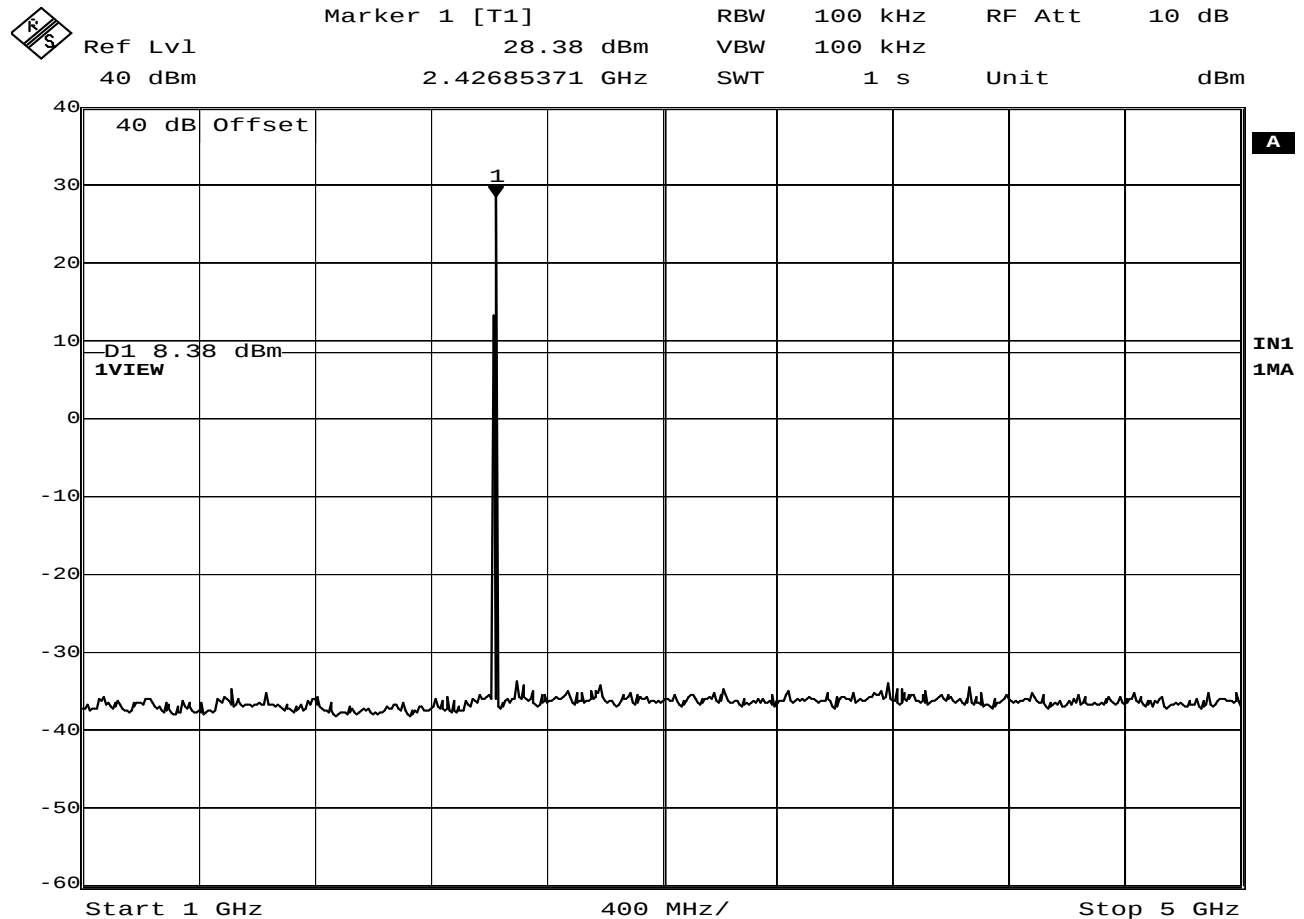
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Hopping Enabled (paired with 244-0000)
TEST PARAMETER : Pulse Width = 13.4msec
: Duty Cycle Correction Factor = $20 \times \log(13.424\text{msec}/100\text{msec}) = -17.44\text{dB}$
EQUIPMENT USED : RBD1,T2DI,T2DH



Date: 4.JUN.2009 21:13:03

FCC 15.247 Spurious RF Conducted Emissions

MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2426.27MHz (Ch. 4B),
: Modulation On, Power = 10 FF
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 (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:09:51

FCC 15.247 Spurious RF Conducted Emissions

MANUFACTURER : Freewave Technologies

PART NUMBER : I2-IOC

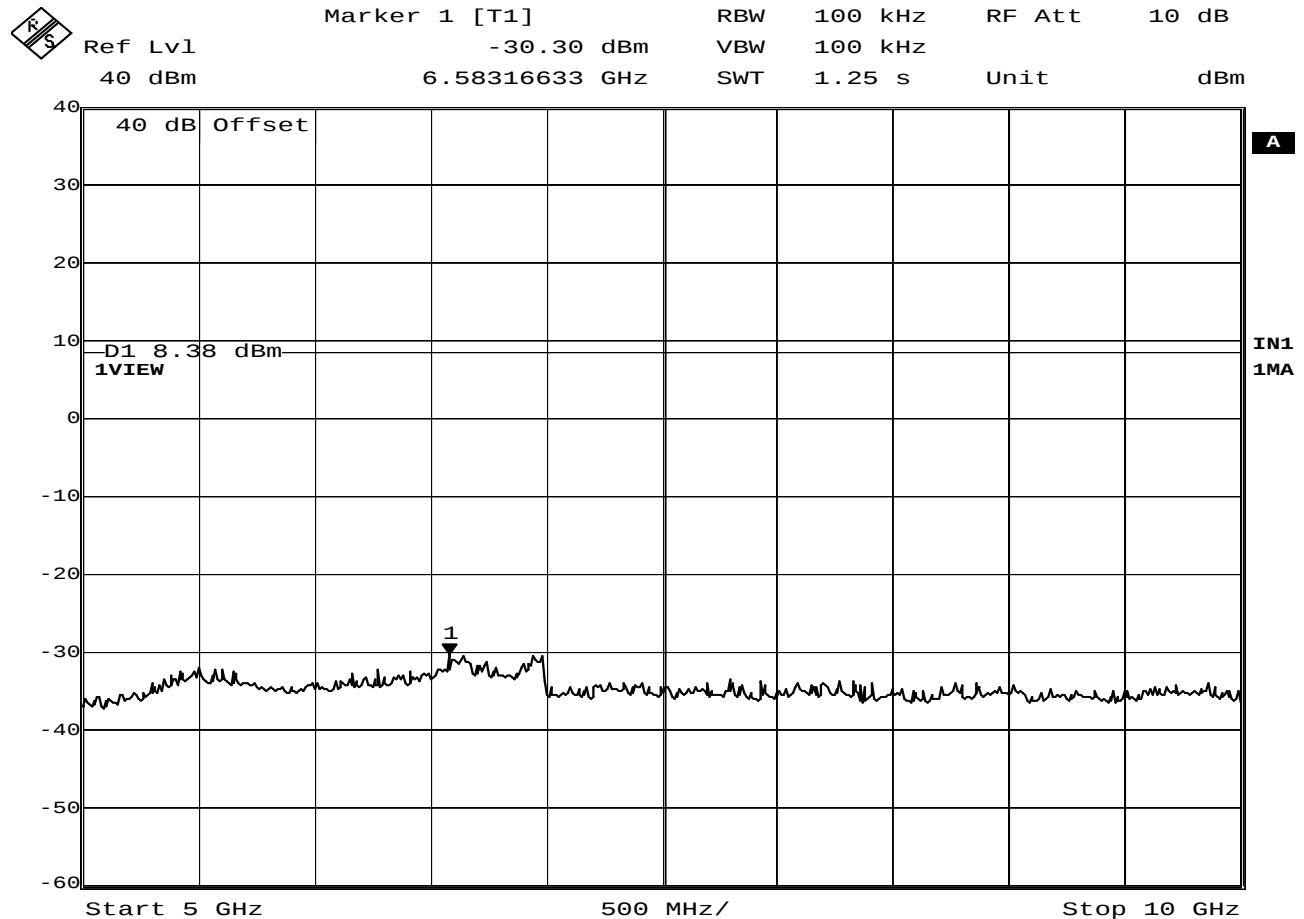
SERIAL NUMBER : 244-0036

TEST MODE : Tx @ 2426.27MHz (Ch. 4B),
: Modulation On, Power = 10 FF

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 (coaxial cable not used)

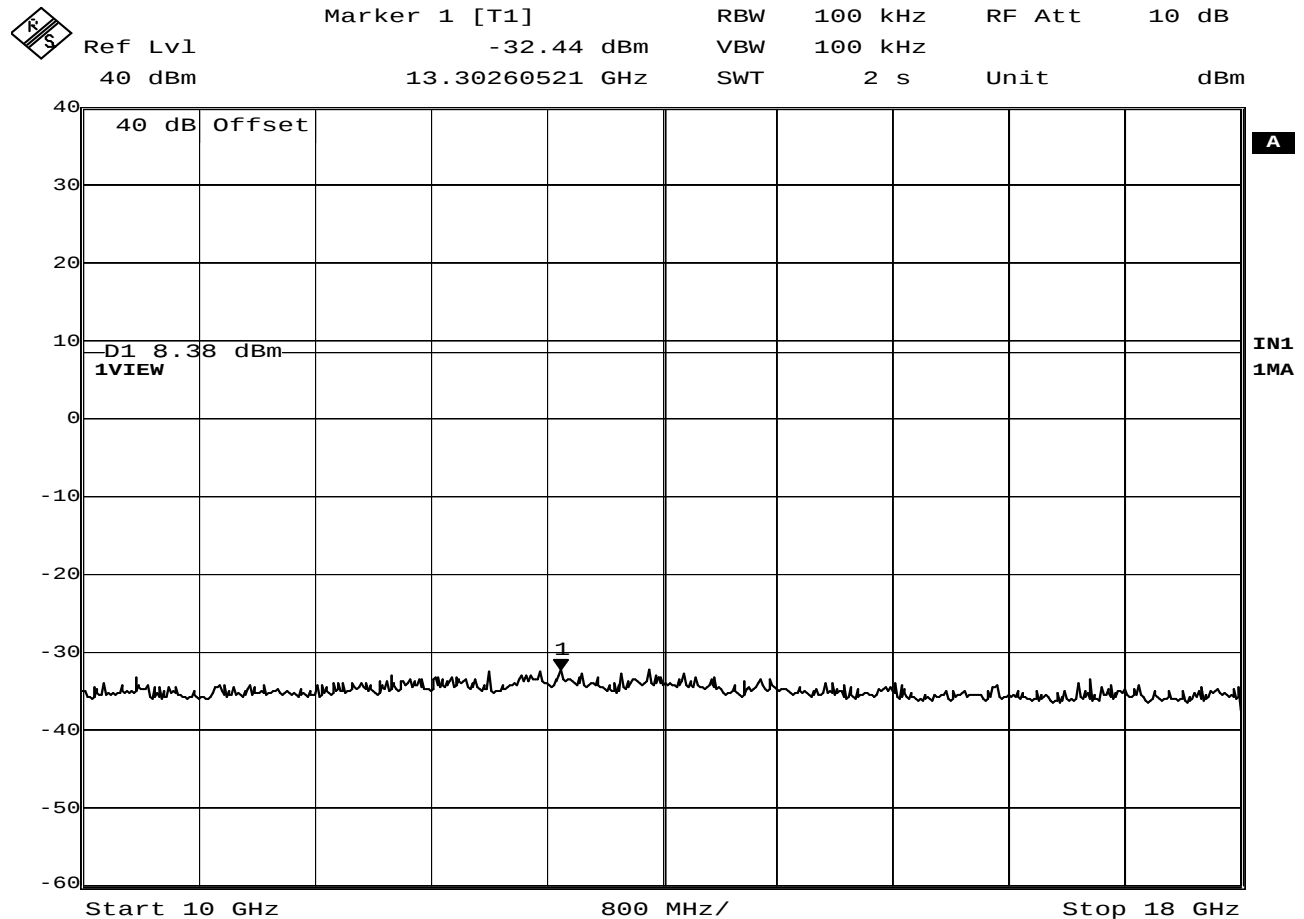
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:14:37

FCC 15.247 Spurious RF Conducted Emissions

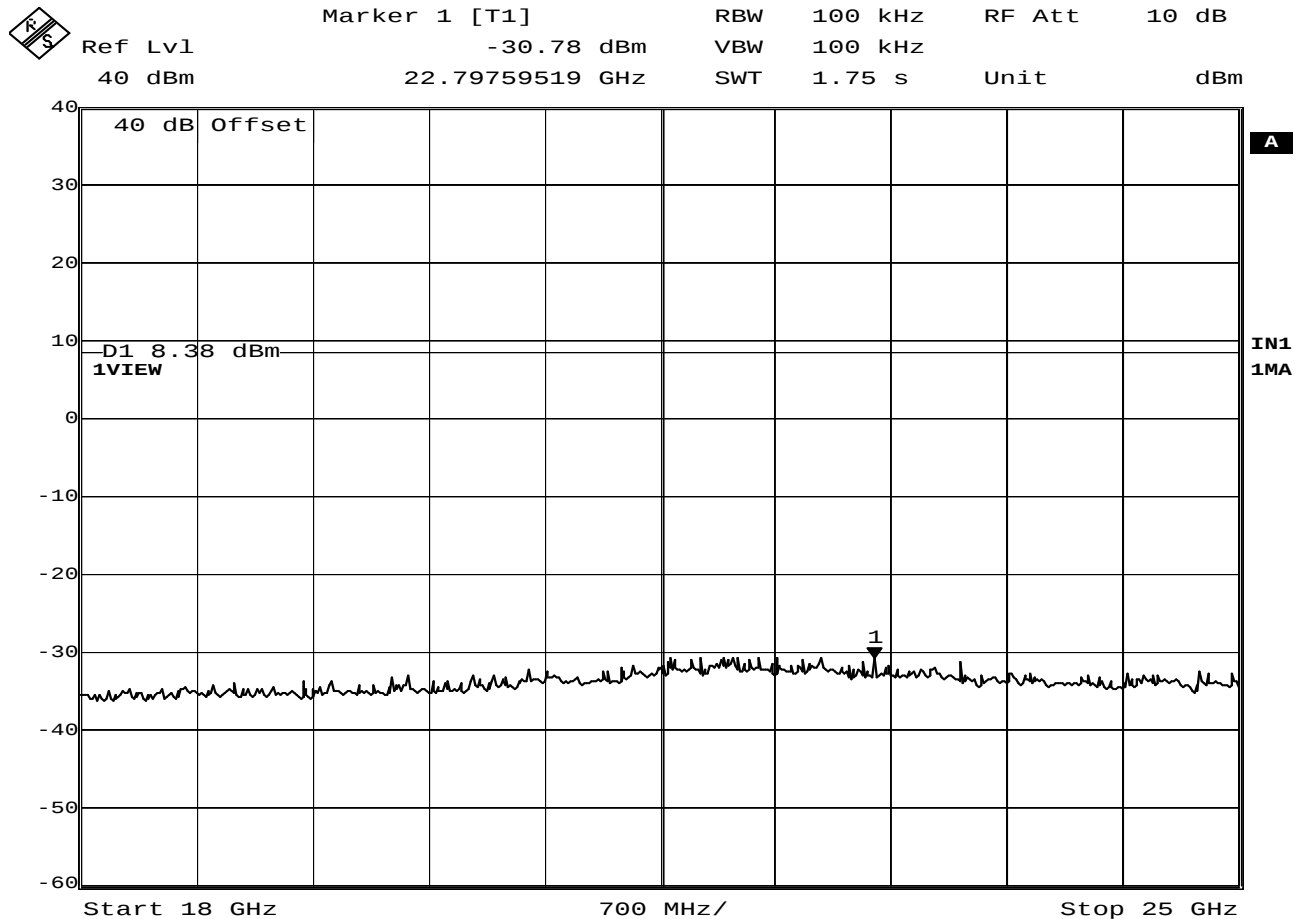
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2426.27MHz (Ch. 4B),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:16:54

FCC 15.247 Spurious RF Conducted Emissions

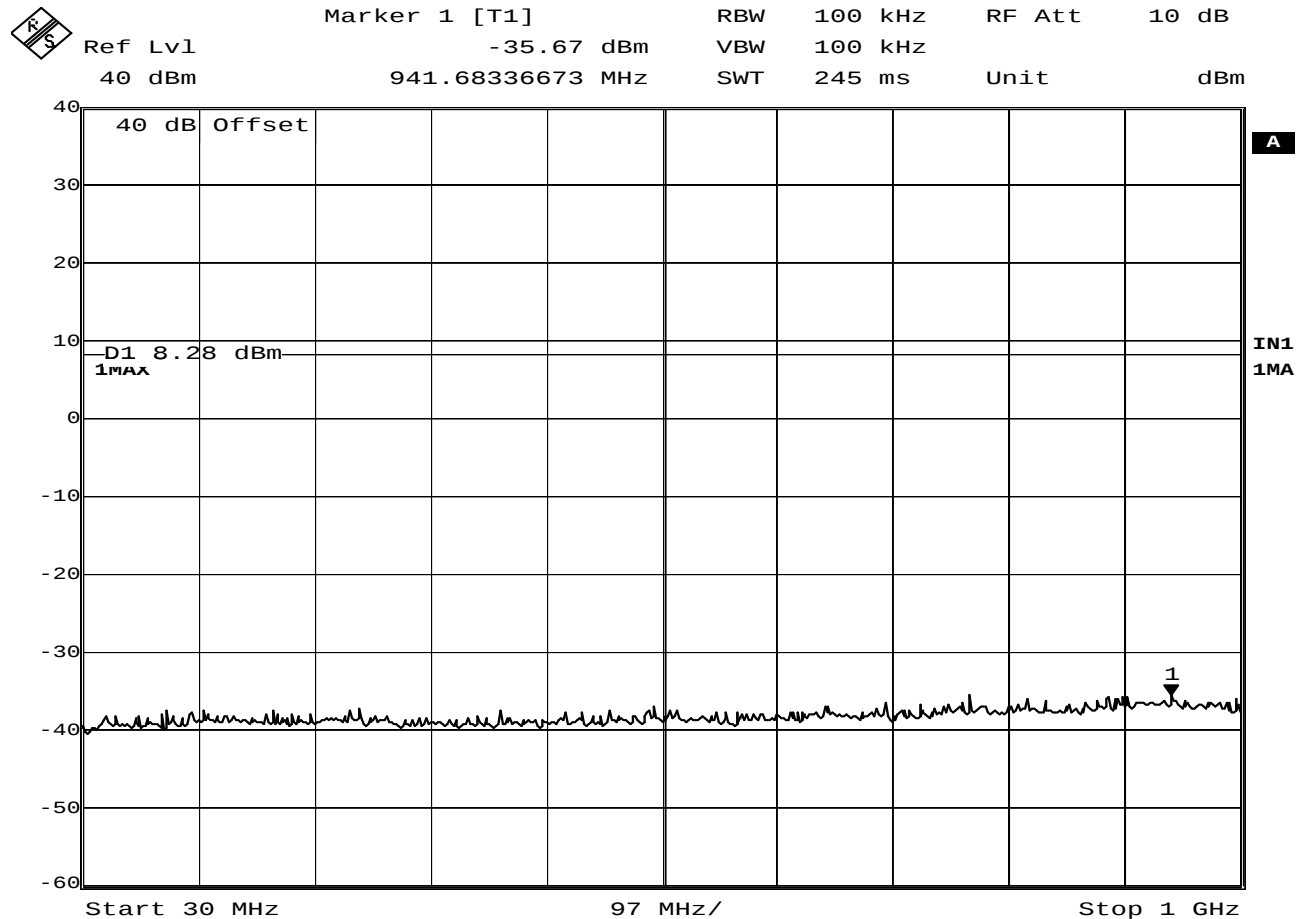
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2426.27MHz (Ch. 4B),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:19:55

FCC 15.247 Spurious RF Conducted Emissions

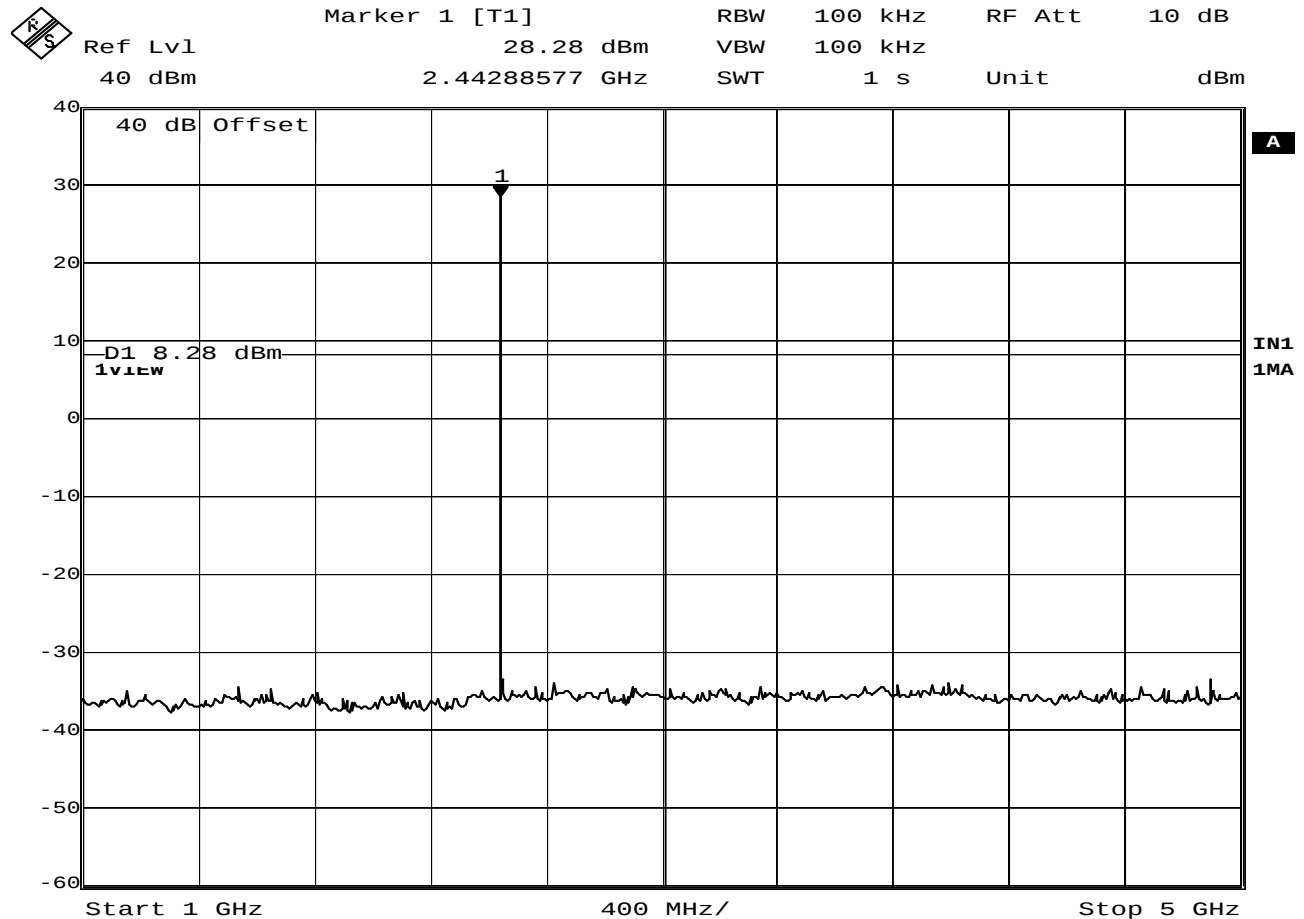
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2426.27MHz (Ch. 4B),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:27:15

FCC 15.247 Spurious RF Conducted Emissions

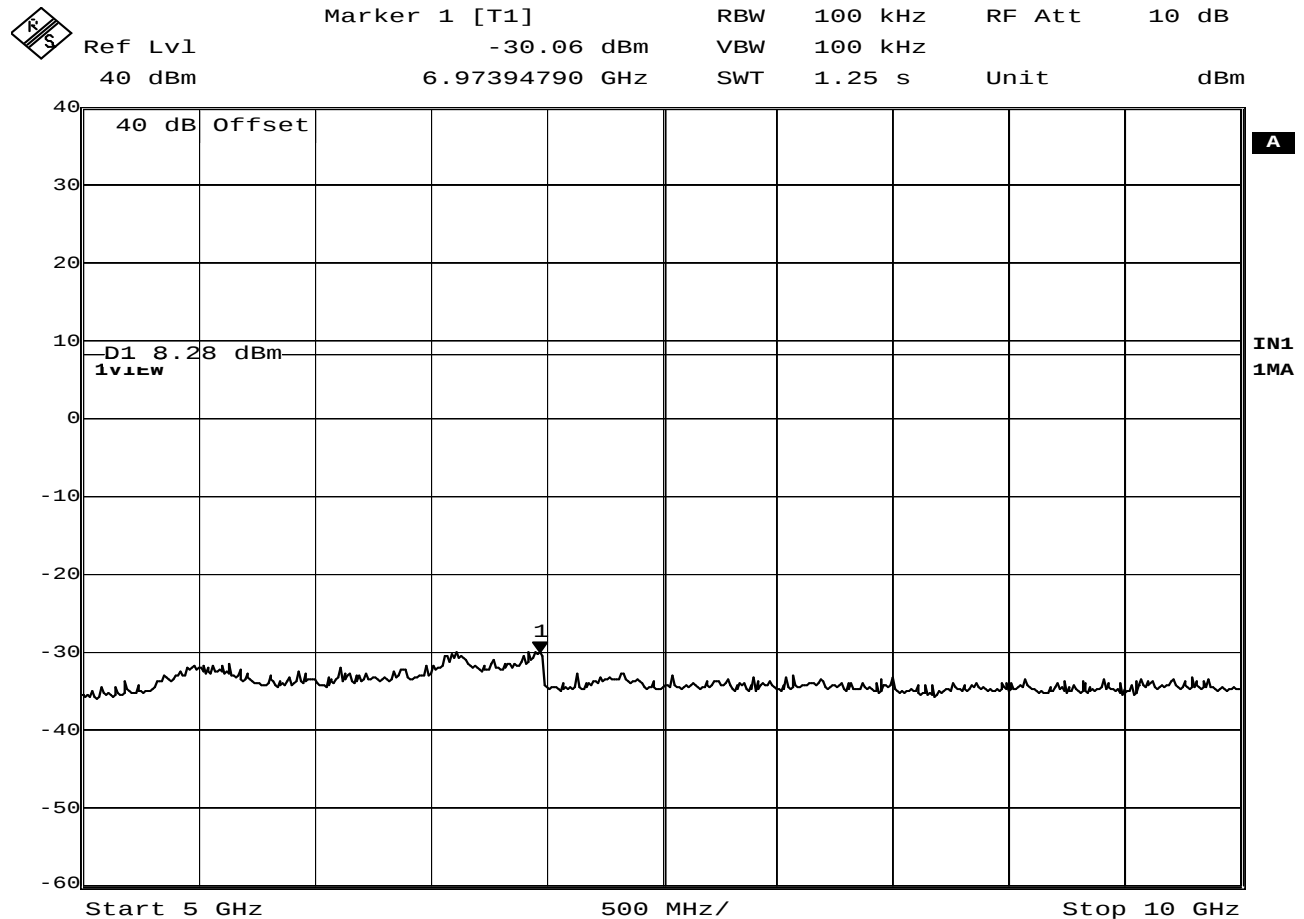
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2445.62MHz (Ch. 83),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4 JUN 2009 21:24:36

FCC 15.247 Spurious RF Conducted Emissions

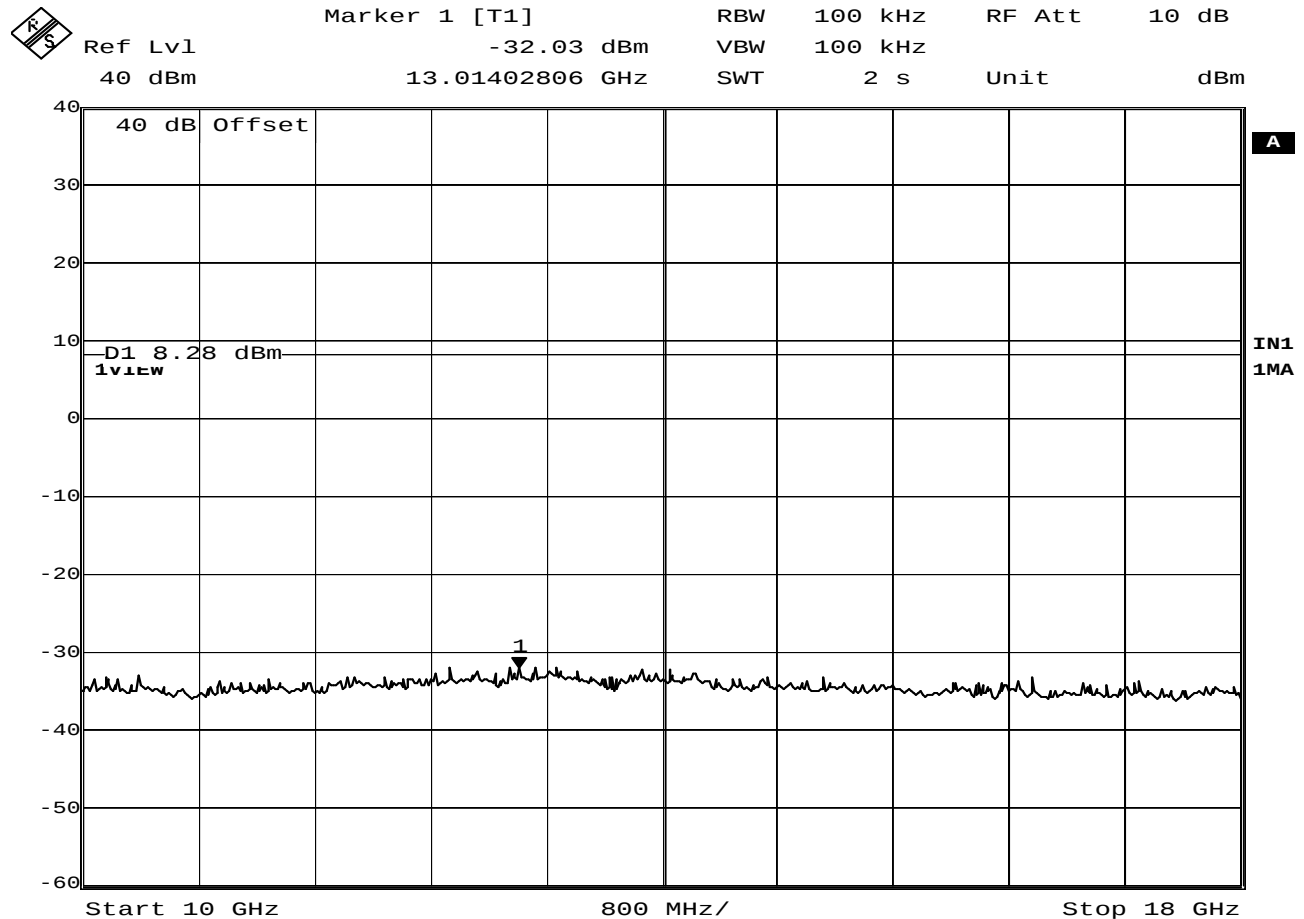
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2445.62MHz (Ch. 83),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:30:54

FCC 15.247 Spurious RF Conducted Emissions

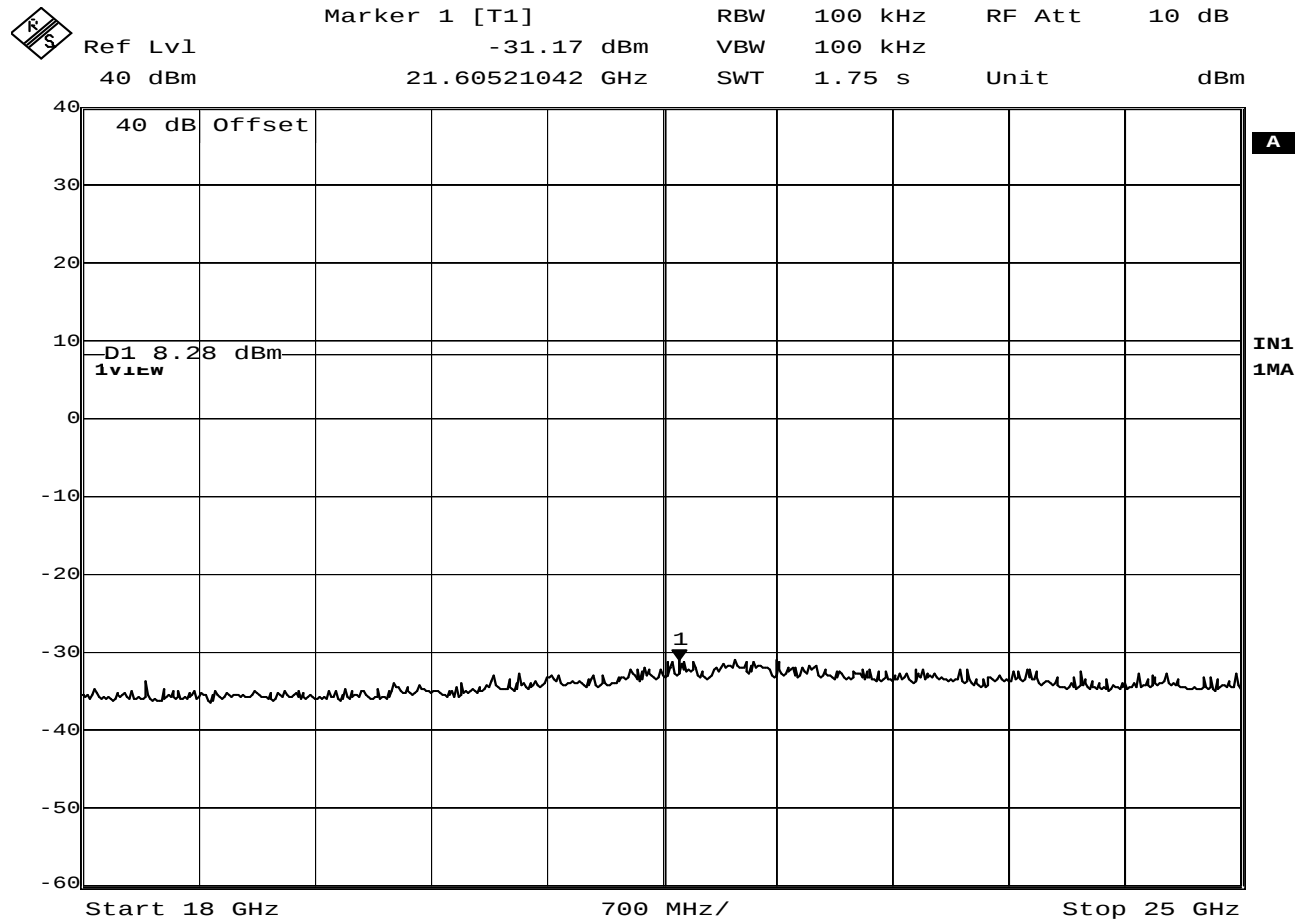
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2445.62MHz (Ch. 83),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:33:04

FCC 15.247 Spurious RF Conducted Emissions

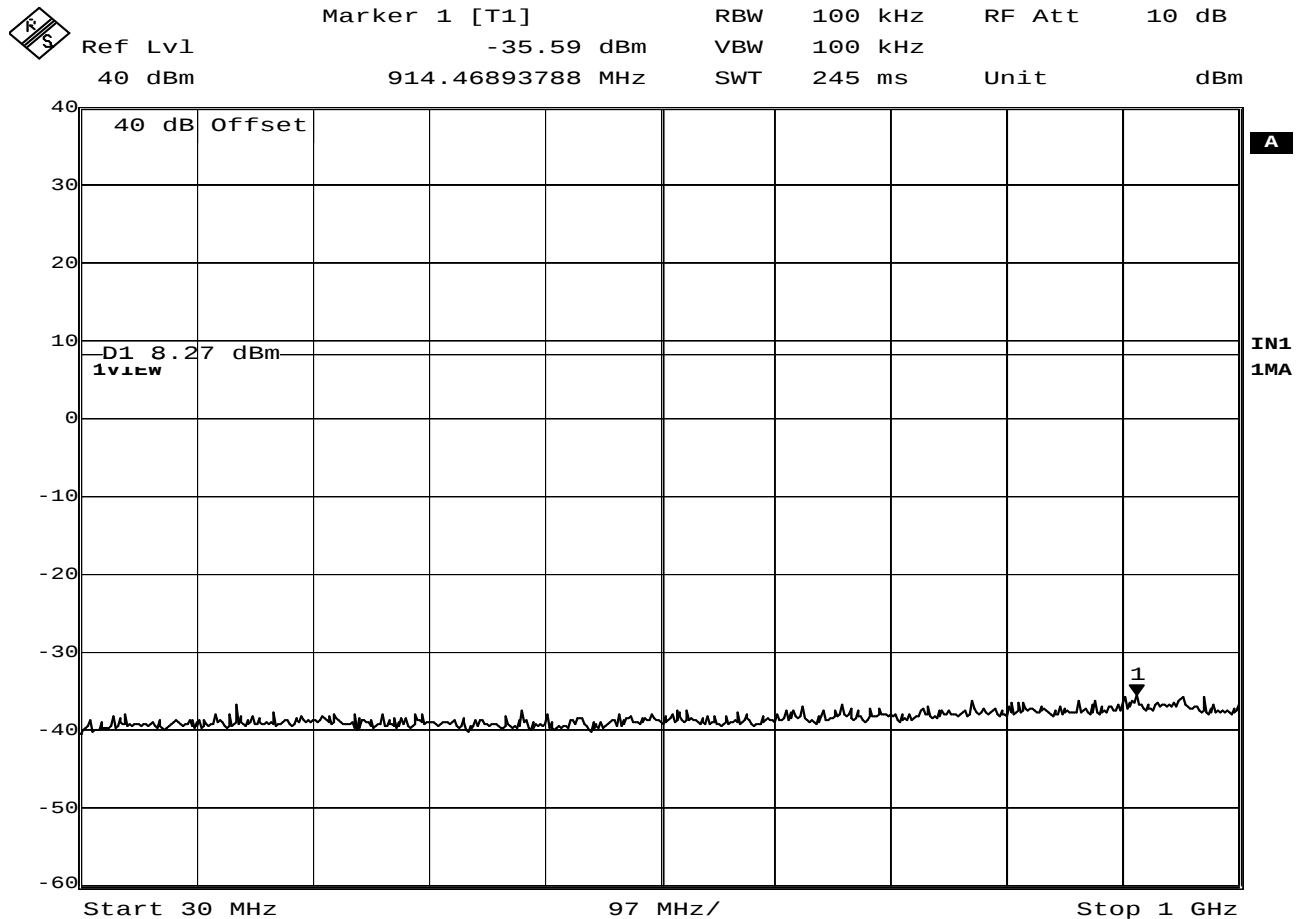
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2445.62MHz (Ch. 83),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:34:42

FCC 15.247 Spurious RF Conducted Emissions

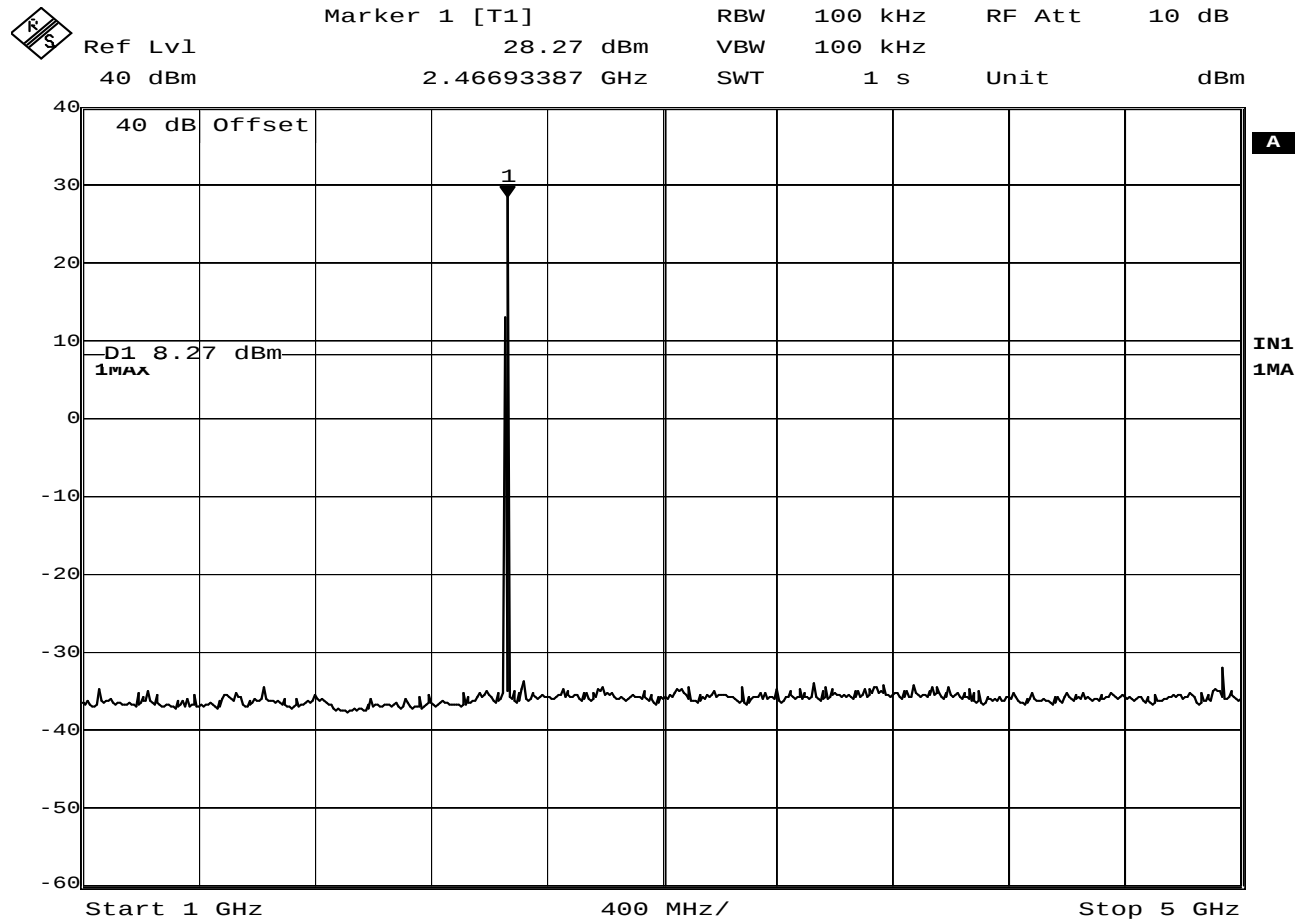
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2445.62MHz (Ch. 83),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:41:54

FCC 15.247 Spurious RF Conducted Emissions

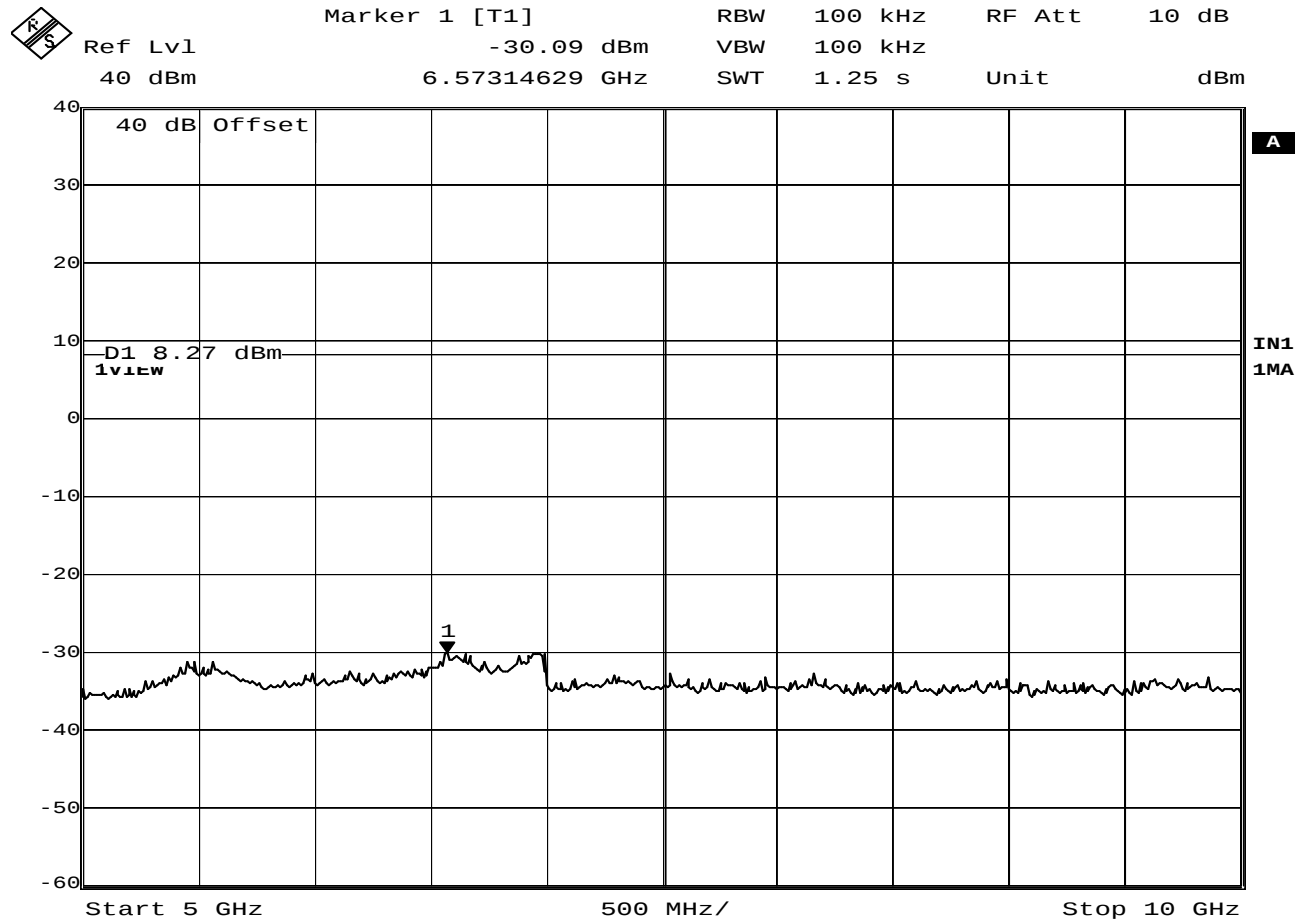
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2464.98MHz (Ch. BB),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:39:23

FCC 15.247 Spurious RF Conducted Emissions

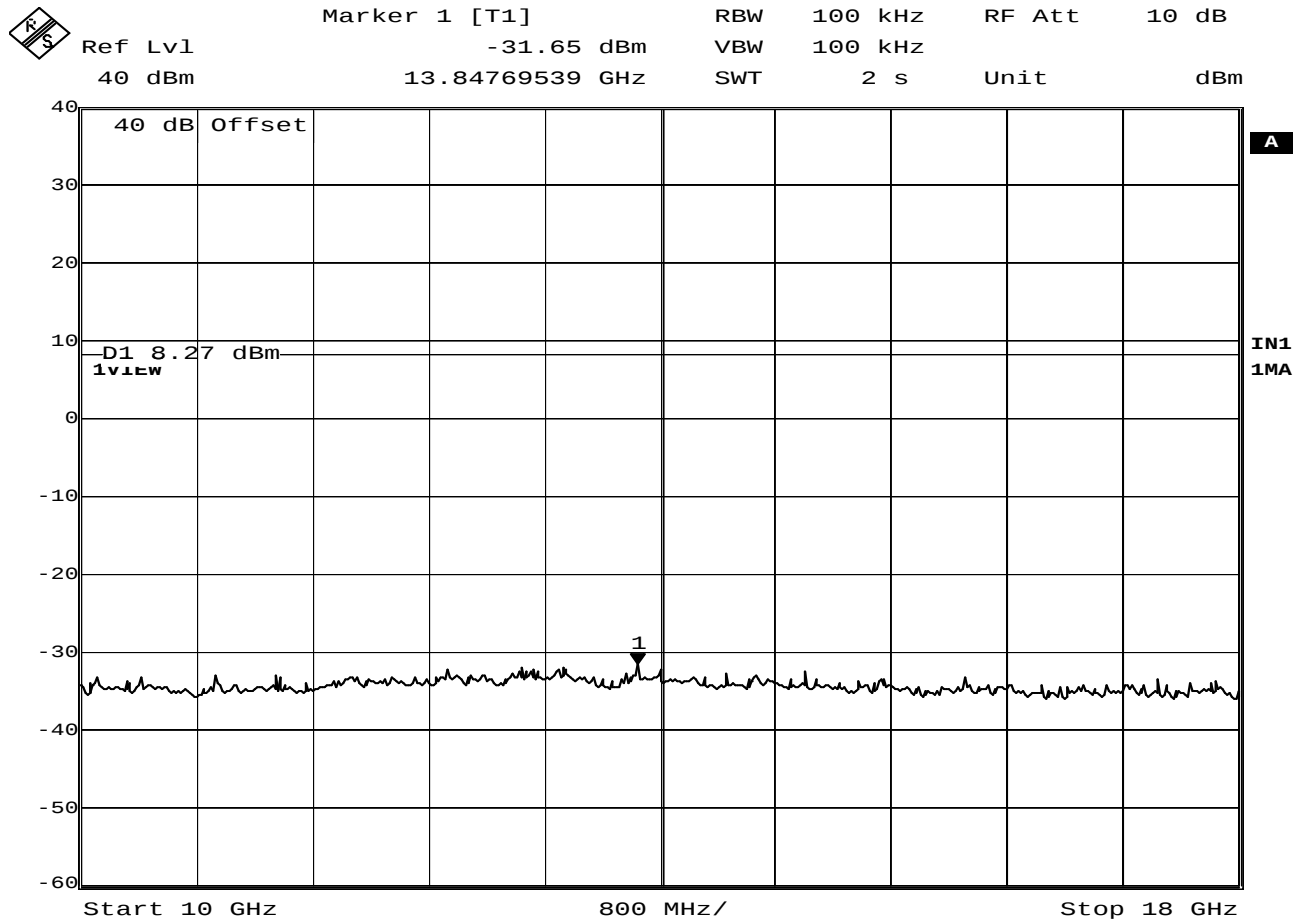
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2464.98MHz (Ch. BB),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:44:50

FCC 15.247 Spurious RF Conducted Emissions

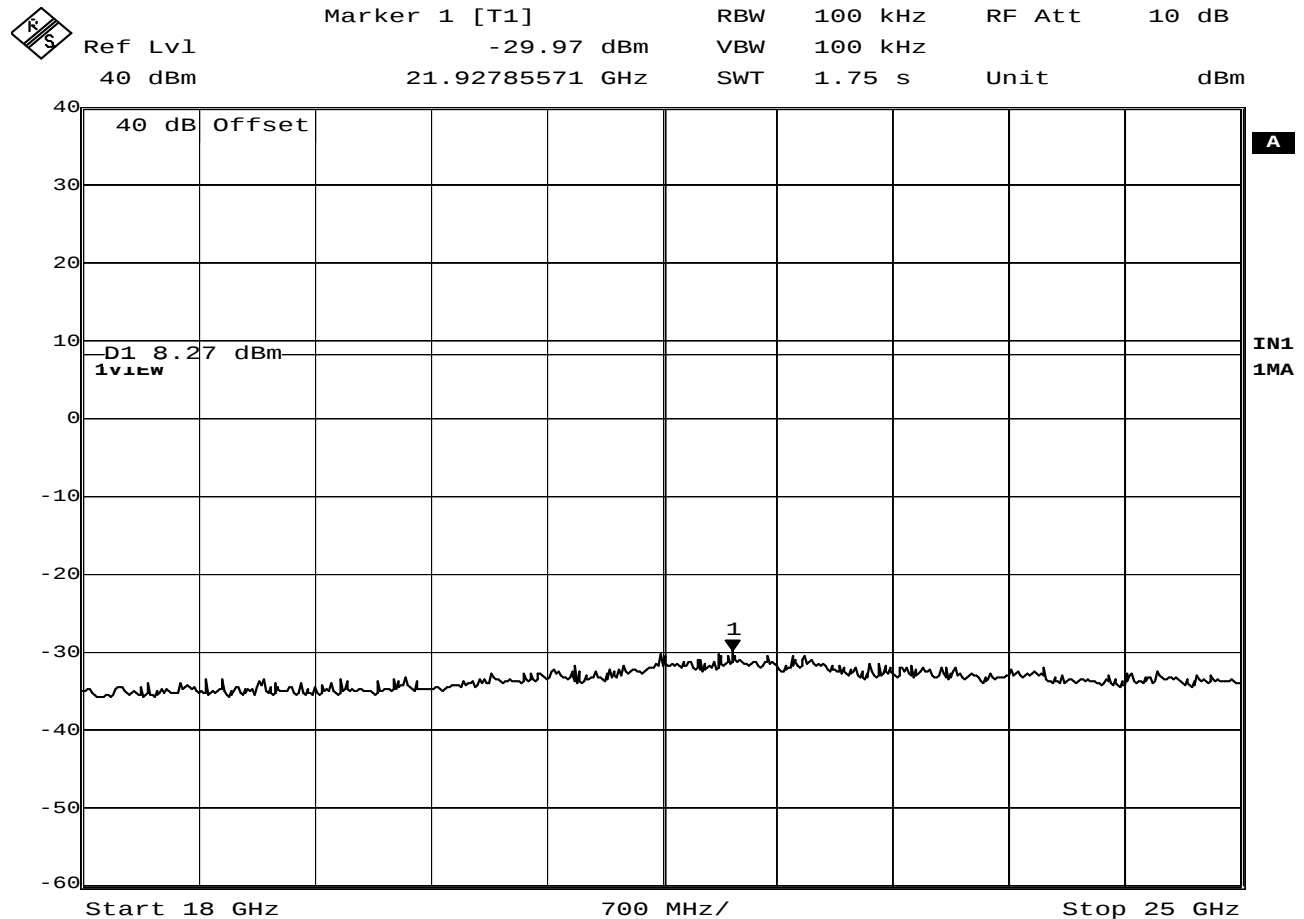
MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2464.98MHz (Ch. BB),
: Modulation On, Power = 10 FF
TEST PARAMETER : All emissions outside the frequency band in which the transmitter is operating
: must be at least 20dB down from the band that contains the highest power
: when using a 100kHz bandwidth. Display line D1 represents the 20dB down level.
NOTES : Measurements taken at the antenna port (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:47:27

FCC 15.247 Spurious RF Conducted Emissions

MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2464.98MHz (Ch. BB),
: Modulation On, Power = 10 FF
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 (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN



Date: 4.JUN.2009 21:50:38

FCC 15.247 Spurious RF Conducted Emissions

MANUFACTURER : Freewave Technologies
PART NUMBER : I2-IOC
SERIAL NUMBER : 244-0036
TEST MODE : Tx @ 2464.98MHz (Ch. BB),
: Modulation On, Power = 10 FF
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 (coaxial cable not used)
EQUIPMENT USED : RBB0,T2DH,T2DN

