

Appendix 1

Test results

Carrier Frequency Separation

Date: 13 June, 2006
 EUT: Bluetrek M2
 Company: Innovi Technologies Ltd.
 Humidity: 50%
 Temperature: 23°C
 Voltage supply: 3.8VDC from DC power supply
 Test by: Sharon Li
 Op. mode: Hopping on

Reference frequency (MHz)

2441.000

Channel Separation (MHz)

0.990

**MARKER 1**

2.441006 GHz

Ref 20 dBm

*Att 30 dB

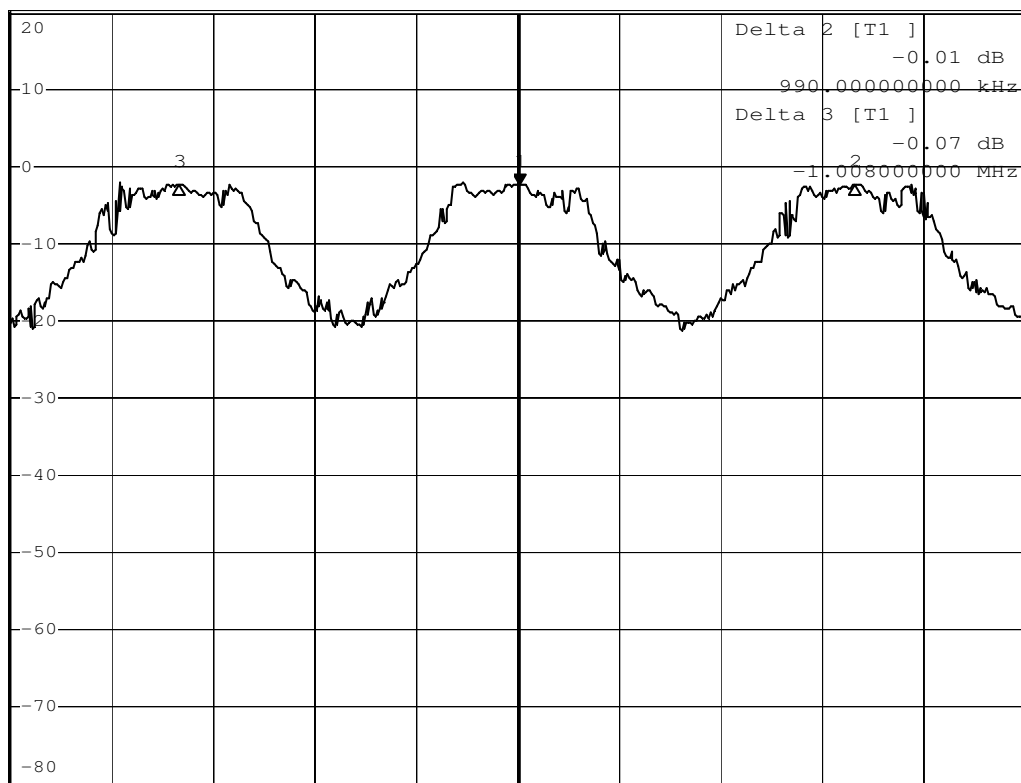
RBW 100 kHz Marker 1 [T1]

VBW 300 kHz

SWT 2.5 ms

-2.35 dBm

2.441006000 GHz

1 PK
MAXH

Center 2.441 GHz

300 kHz/

Span 3 MHz

Date: 13.JUN.2006 12:56:20

Dwell Time

Date: 13 June, 2006
EUT: Bluetrek M2
Company: Innovi Technologies Ltd.
Humidity: 50%
Temperature: 23°C
Voltage supply: 3.8VDC from DC power supply
Test by: Sharon Li
Op. mode: Hopping on

Burst Duration (ms)	Number of hopping	Time of occupancy (s)	Results
2.928	64	$0.002928 \times 64 =$ 0.1874	Pass



DELTA MARKER 2

2.928 ms

Ref 20 dBm

*Att 30 dB

RBW 1 MHz

*VBW 3 MHz

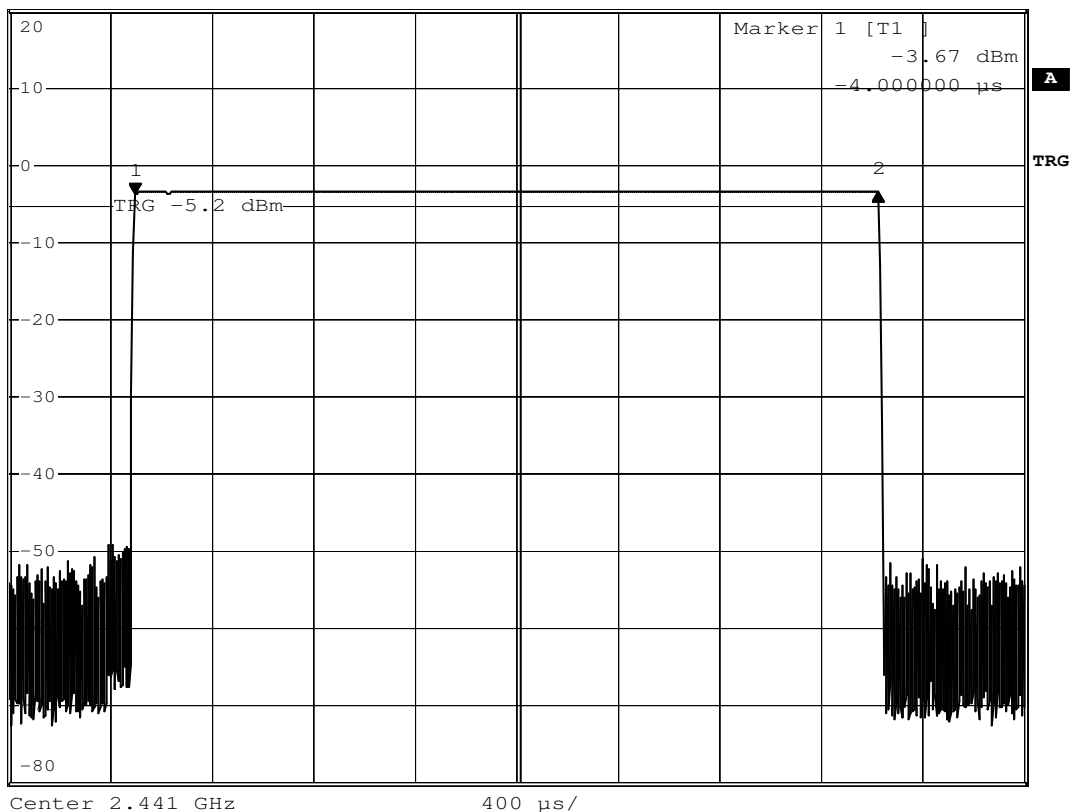
SWT 4 ms

Delta 2 [T1]

0.25 dB

2.928000 ms

1 AP
CLRWR



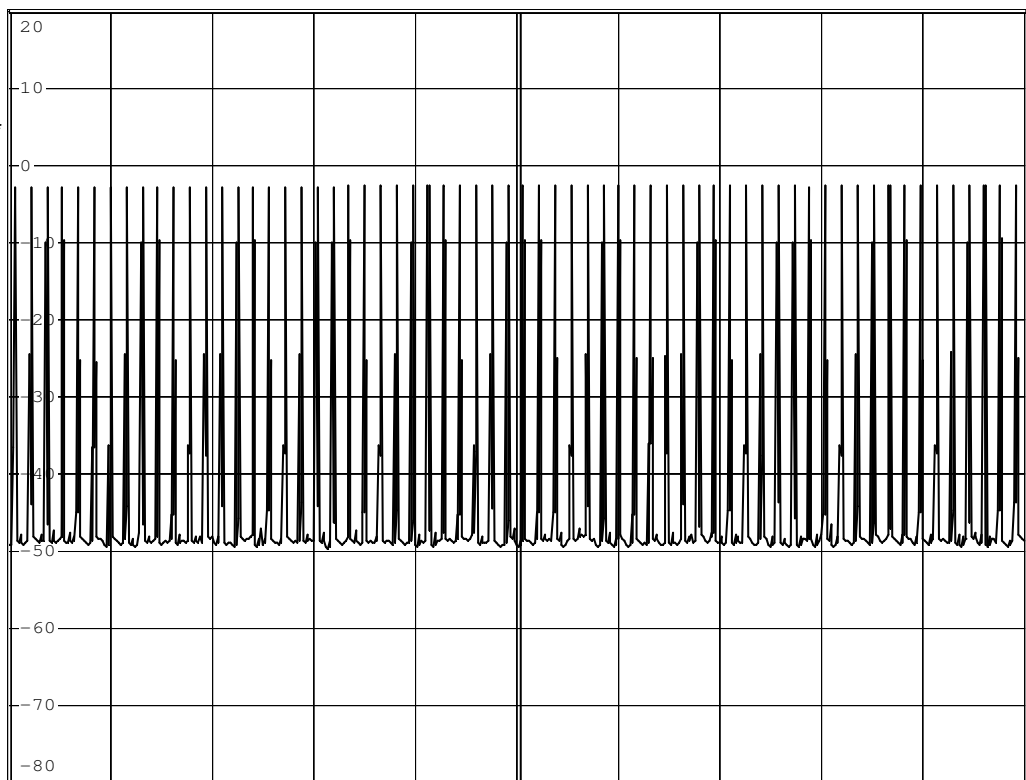
Date: 13.JUN.2006 13:00:43



SWEEP TIME
31.6 s
Ref 20 dBm *Att 30 dB

RBW 1 MHz
*VBW 3 MHz
SWT 31.6 s

1 PK*
CLRWR



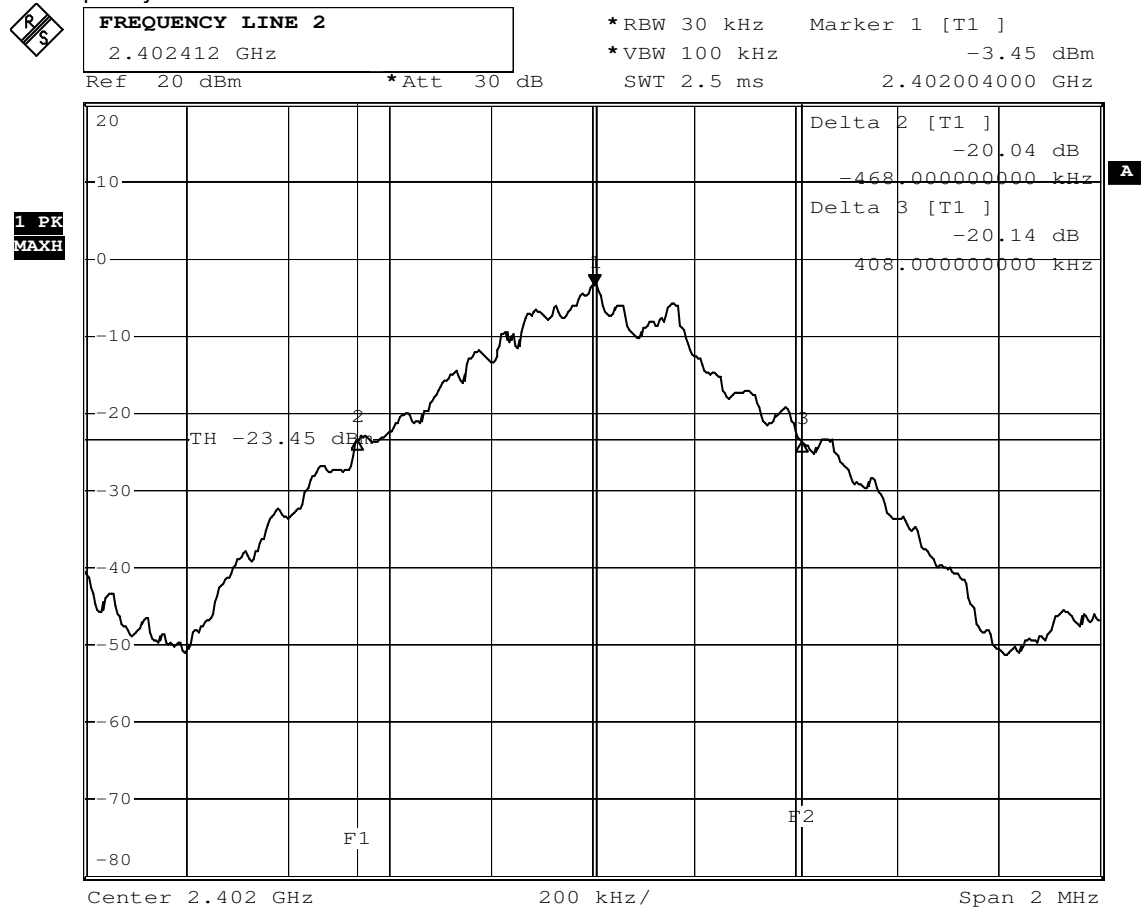
Date: 13.JUN.2006 13:04:48

20dB Bandwidth

Date: 13 June, 2006
 EUT: Bluetrek M2
 Company: Innovi Technologies Ltd.
 Humidity: 50%
 Temperature: 23°C
 Voltage supply: 3.8VDC from DC power supply
 Test by: Sharon Li
 Op. mode: TX mode, DH5 with PRBS9 payload

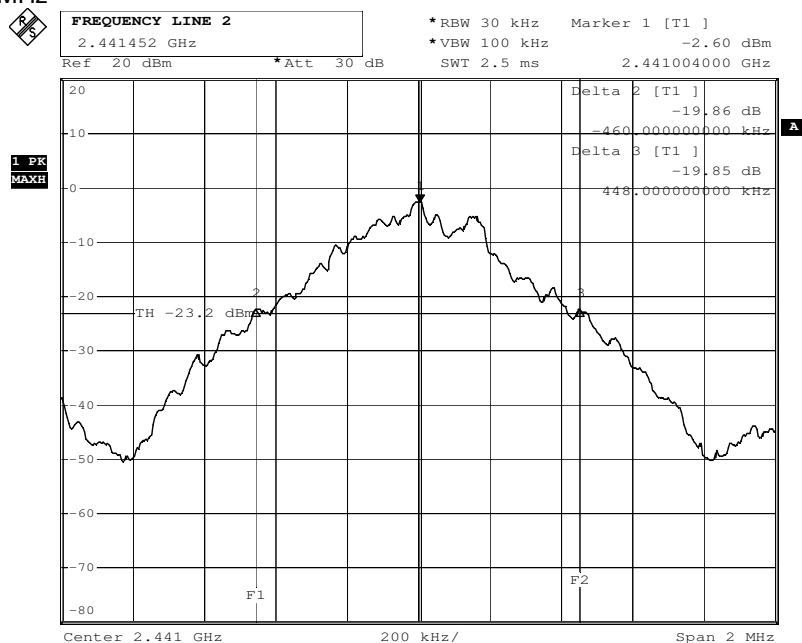
Tx frequency (MHz)	Δf_L (MHz)	Δf_H (MHz)	$ \Delta f_H + \Delta f_L $ (MHz)	Results
2402	-0.468	0.408	0.876	Pass
2441	-0.460	0.448	0.908	Pass
2480	-0.464	0.468	0.932	Pass

Tx frequency: 2402MHz



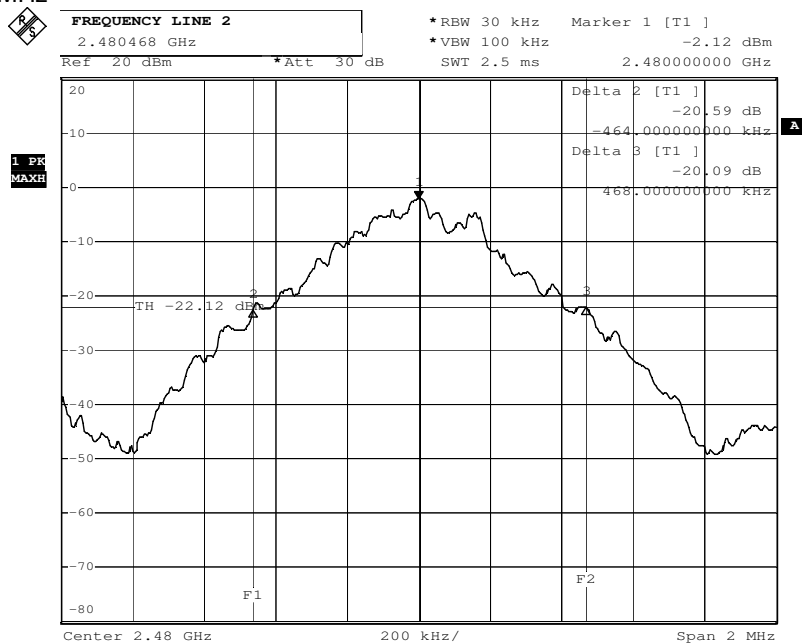
Date: 13.JUN.2006 13:06:41

Tx frequency: 2441MHz



Date: 13.JUN.2006 13:09:15

Tx frequency: 2480MHz



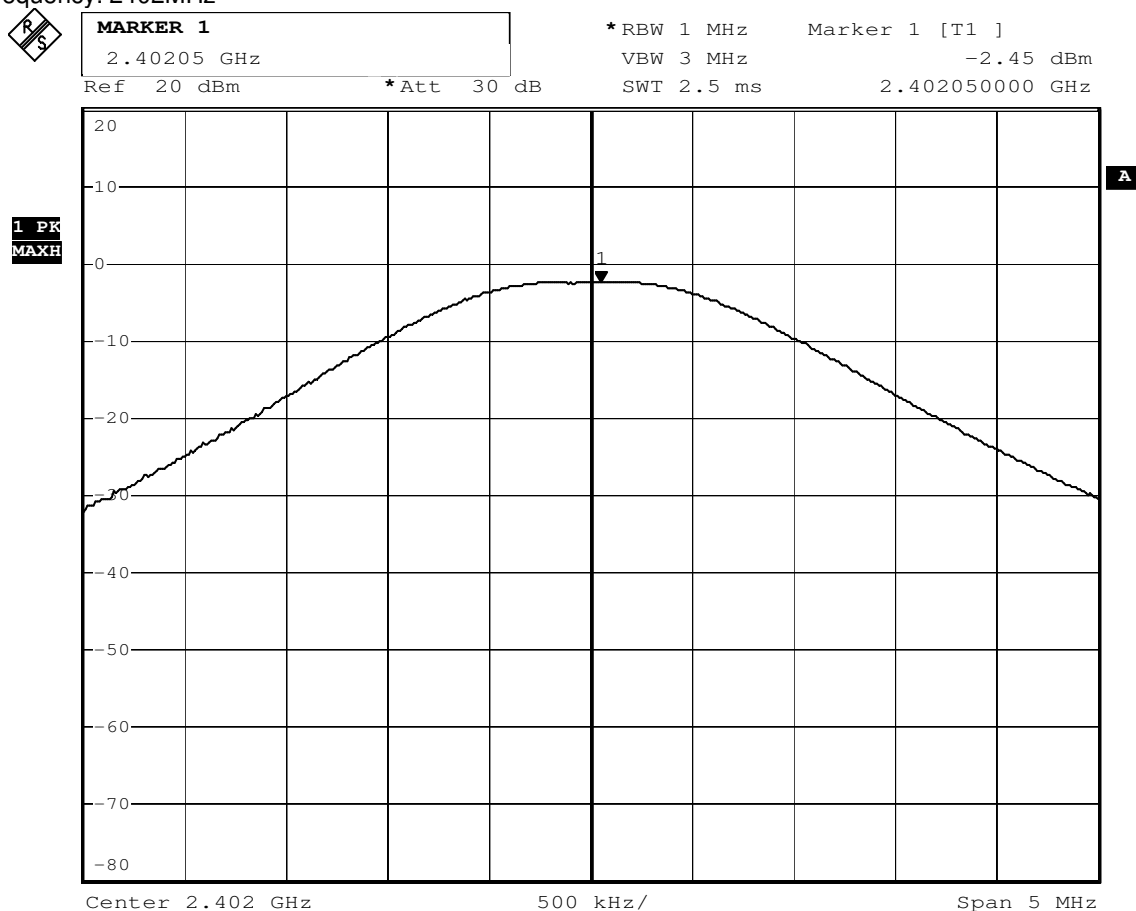
Date: 13.JUN.2006 13:14:20

Peak Output Power

Date: 13 June, 2006
 EUT: Bluetrek M2
 Company: Innovi Technologies Ltd.
 Humidity: 50%
 Temperature: 23°C
 Voltage supply: 3.8VDC from DC power supply
 Test by: Sharon Li
 Op. mode: TX mode, DH1 with PRBS9 payload

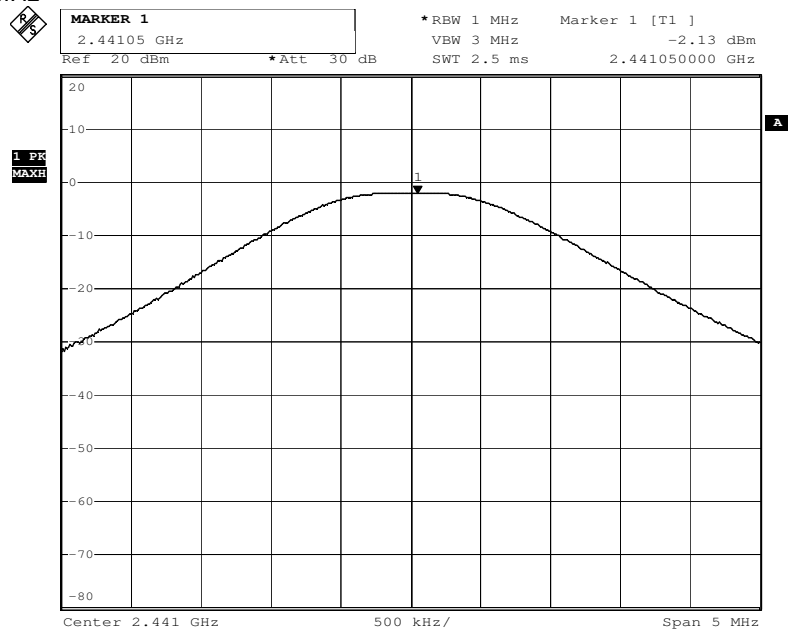
Tx Frequency (MHz)	Power P _{PK} (dBm)	Cable Attenuation (dB)	Actual Peak Power (dBm)	Results
2402	-2.45	3.52	1.07	Pass
2441	-2.13	3.65	1.52	Pass
2480	-3.18	3.60	0.42	Pass

Tx frequency: 2402MHz



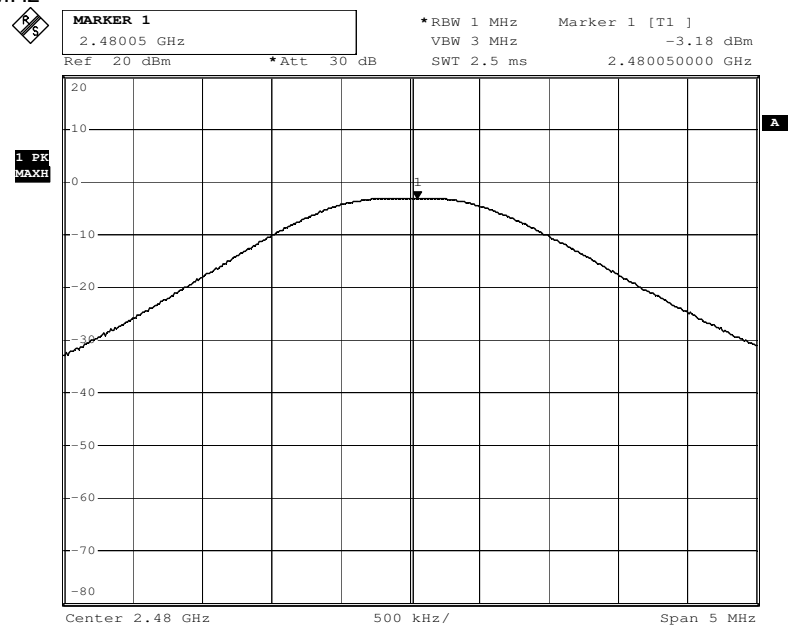
Date: 13.JUN.2006 13:15:50

Tx frequency: 2441MHz



Date: 13.JUN.2006 13:16:27

Tx frequency: 2480MHz



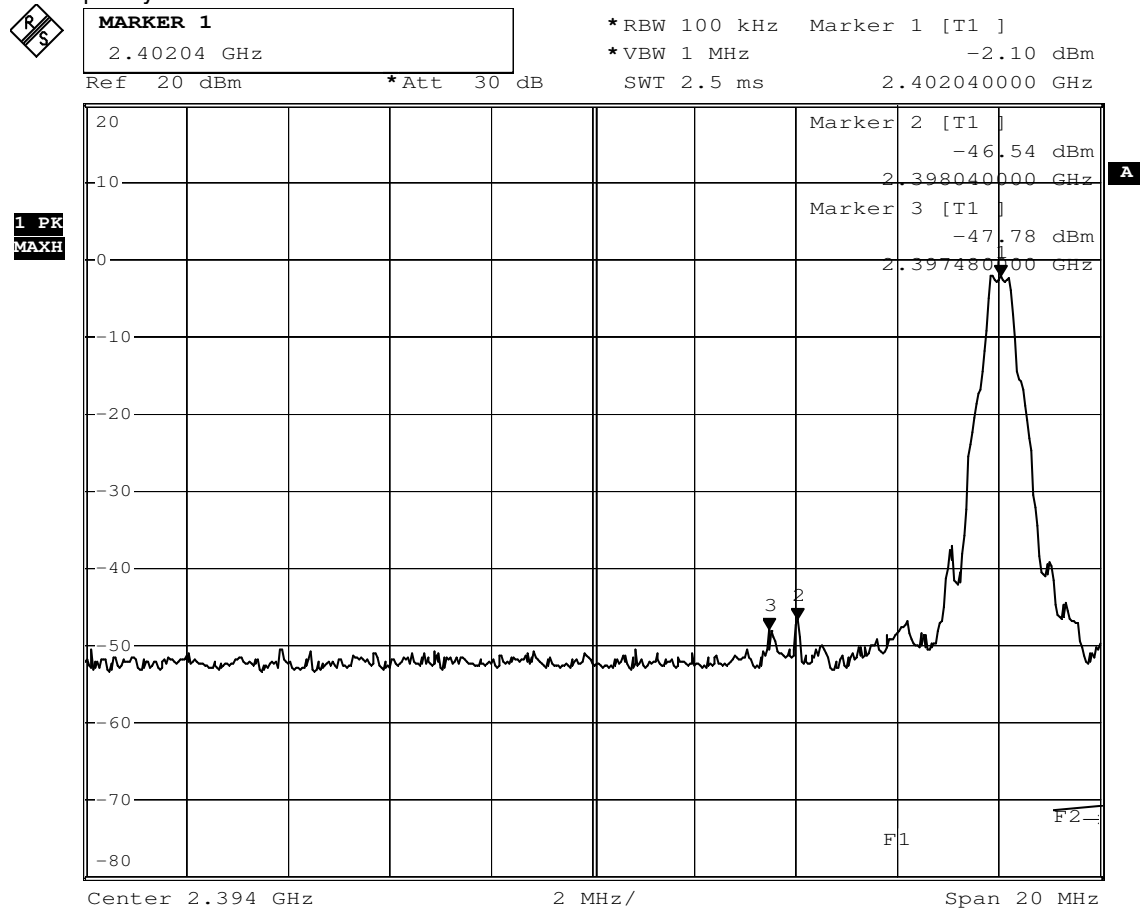
Date: 13.JUN.2006 13:16:57

Band Edge Compliance

Date: 13 June, 2006
 EUT: Bluetrek M2
 Company: Innovi Technologies Ltd.
 Humidity: 50%
 Temperature: 23°C
 Voltage supply: 3.8VDC from DC power supply
 Test by: Sharon Li
 Op. mode: TX mode, DH1 with PRBS9 payload

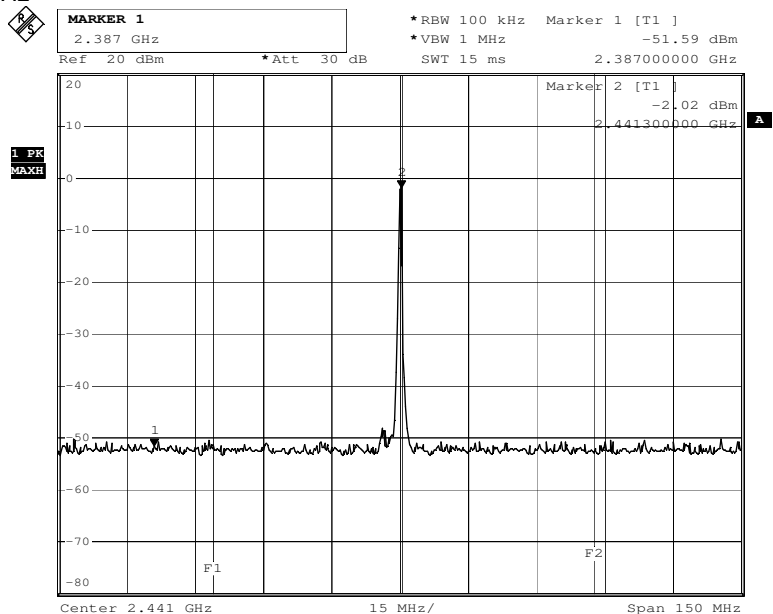
Tx Frequency (MHz)	Peak in band Power level (dBm)	RF power outside 100kHz BW (MHz)	RF power difference outside 100kHz BW (dB)	Results
2402	-2.10	2398.040	44.44	Pass
2480	-1.92	2485.920	48.98	Pass

Tx frequency: 2402MHz

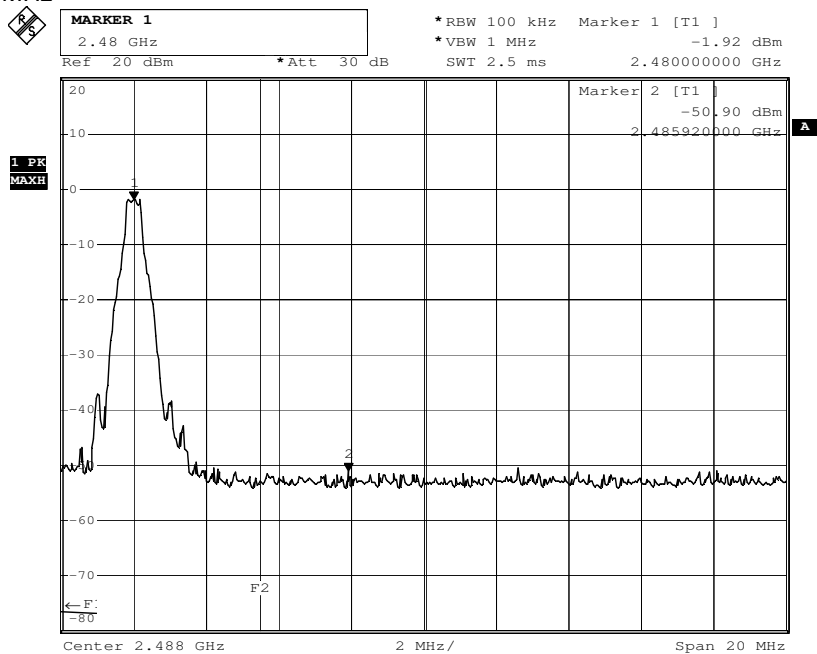


Date: 13.JUN.2006 13:18:55

Tx frequency: 2441MHz



Tx frequency: 2480MHz



Spurious Emissions - Conducted

Date: 13 June, 2006
EUT: Bluetrek M2
Company: Innovi Technologies Ltd.
Humidity: 50%
Temperature: 23°C
Voltage supply: 3.8VDC from DC power supply
Test by: Sharon Li
Op. mode: TX mode, DH1 with PRBS9 payload

Tx frequency : 2402MHz

Spurious Frequency (MHz)	Power level (dBm)	Reference value (dBm)	Delta to reference level (dB)	Results
No peak found	-	-	-	Pass
No peak found	-	-	-	Pass

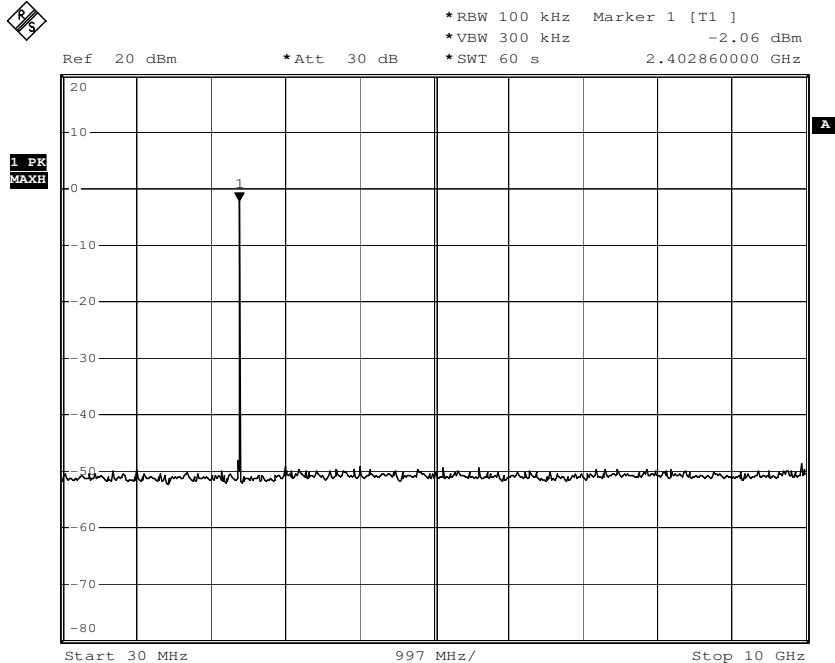
Tx frequency : 2441MHz

Spurious Frequency (MHz)	Power level (dBm)	Reference value (dBm)	Delta to reference level (dB)	Results
No peak found	-	-	-	Pass
No peak found	-	-	-	Pass

Tx frequency : 2480MHz

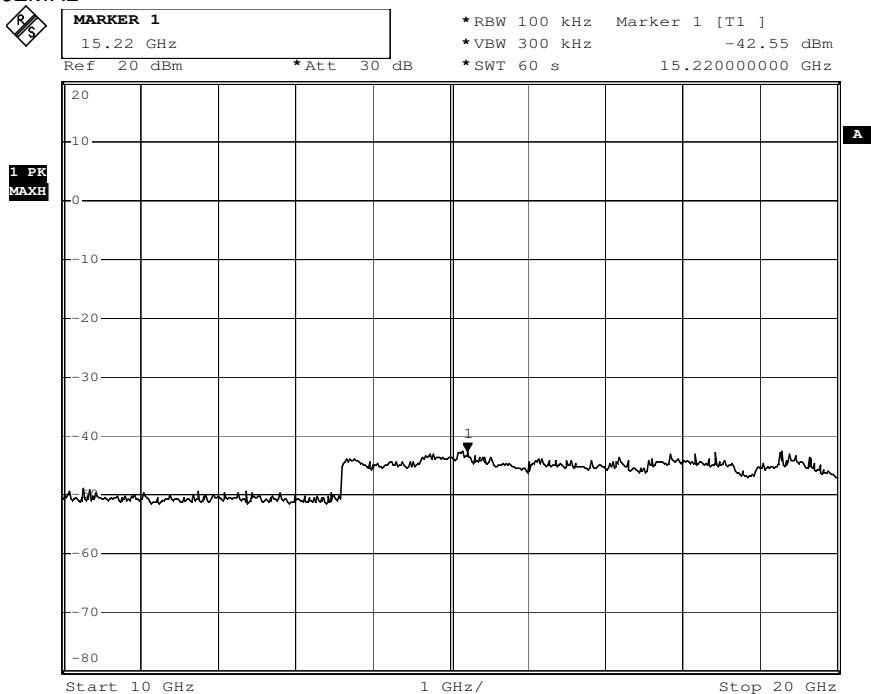
Spurious Frequency (MHz)	Power level (dBm)	Reference value (dBm)	Delta to reference level (dB)	Results
No peak found	-	-	-	Pass
No peak found	-	-	-	Pass

Tx frequency: 2402MHz



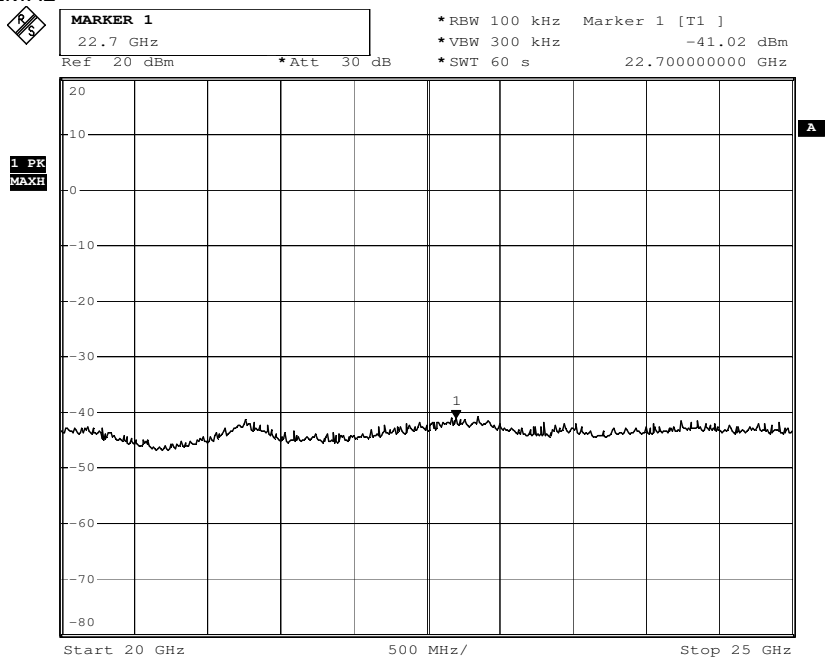
Date: 13.JUN.2006 14:56:05

Tx frequency: 2402MHz



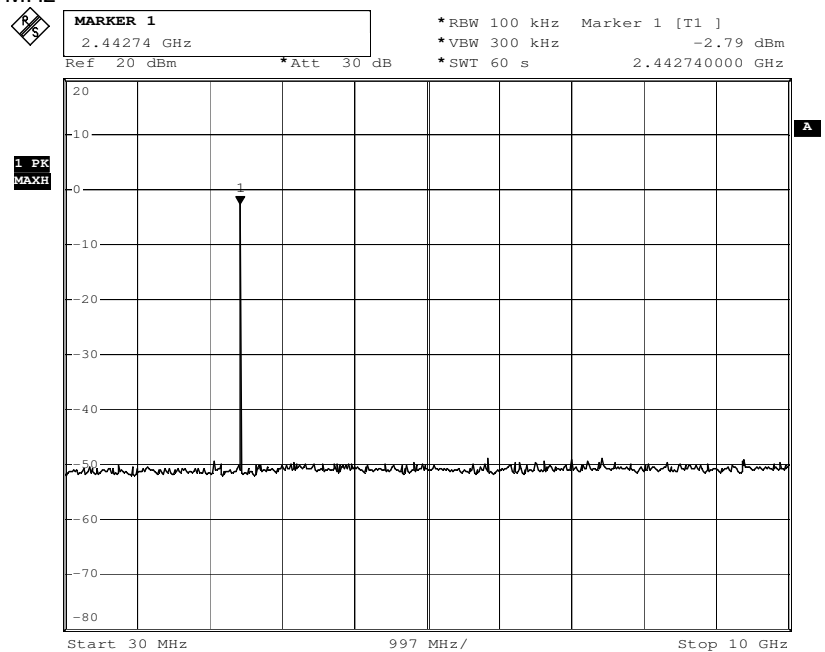
Date: 13.JUN.2006 14:58:50

Tx frequency: 2402MHz



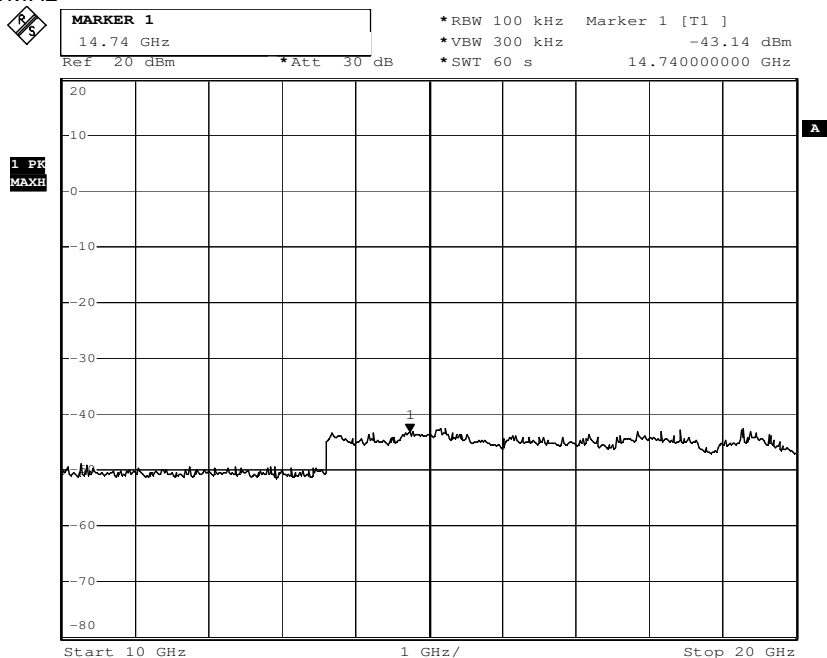
Date: 13.JUN.2006 15:02:05

Tx frequency: 2441MHz



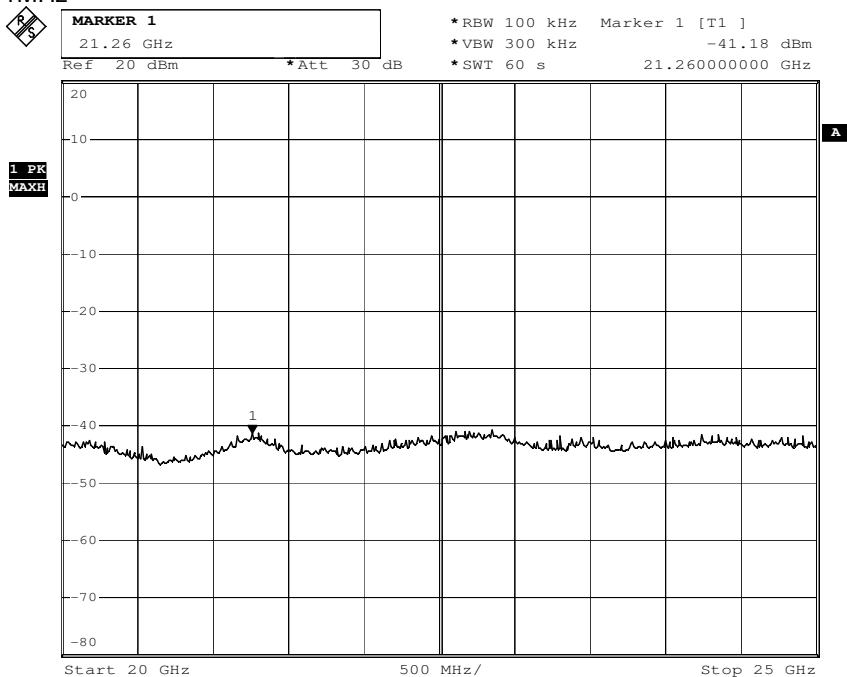
Date: 13.JUN.2006 15:05:43

Tx frequency: 2441MHz



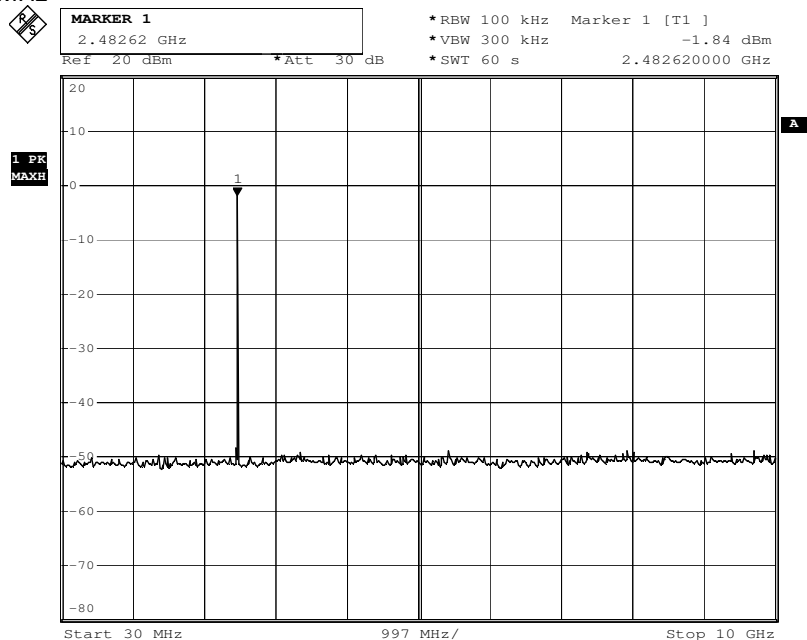
Date: 13.JUN.2006 14:59:14

Tx frequency: 2441MHz



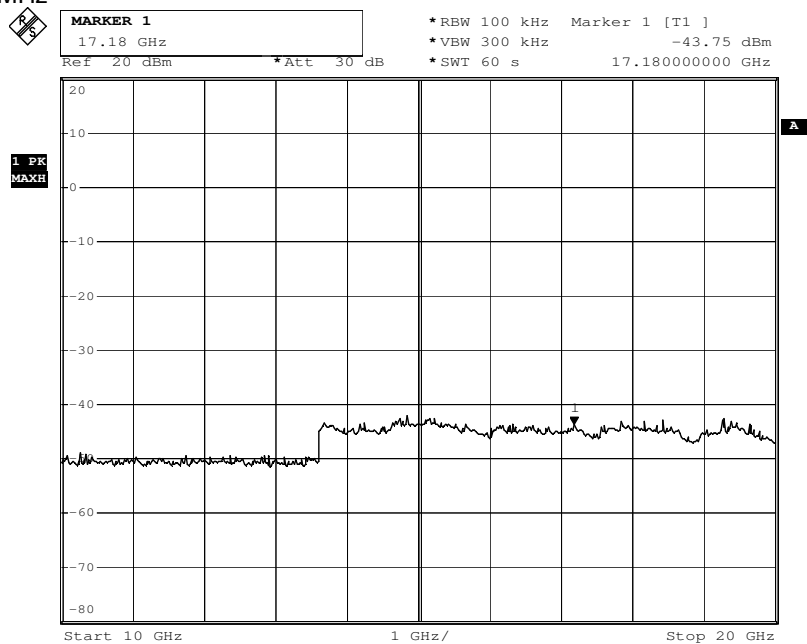
Date: 13.JUN.2006 15:02:35

Tx frequency: 2480MHz



Date: 13.JUN.2006 15:08:26

Tx frequency: 2480MHz



Date: 13.JUN.2006 14:59:31

Tx frequency: 2480MHz

**MARKER 1**

22.85 GHz

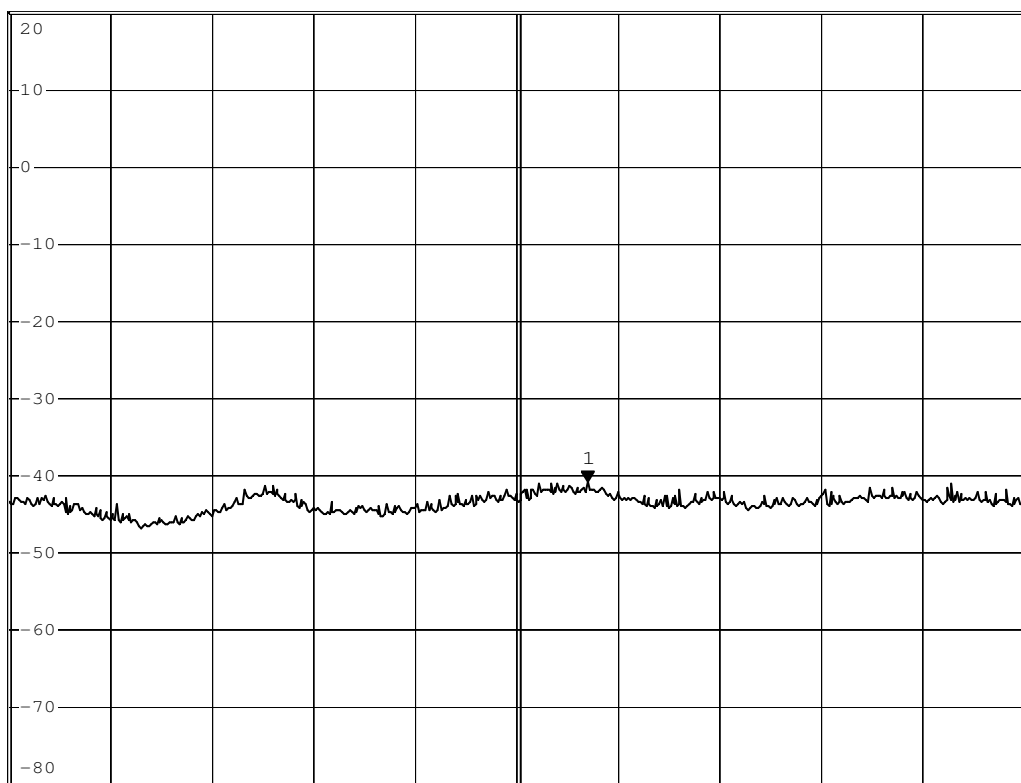
Ref 20 dBm

*Att 30 dB

*RBW 100 kHz Marker 1 [T1]

*VBW 300 kHz -40.75 dBm

*SWT 60 s 22.85000000 GHz

1 PK
MAXH

Start 20 GHz

500 MHz/

Stop 25 GHz

Date: 13.JUN.2006 15:02:55

Spurious Emissions - Radiated

Date: 01 June 2006

EUT: Bluetrek M2

Company: Innovi Technologies Ltd.

Voltage supply: internal battery activated

Test by: Ming

Op. mode: TX mode, DH1 with PRBS9 payload

There is no spurious emissions found between the lowest internal frequency and 30MHz.

Tx frequency (MHz)	Polarization	Spurious Frequency (MHz)	Power Level (dBuV/m)	Detector (P/QP/A)
2402	V	1600.700	48.23	P
2402	V	1600.660	47.65	A
2402	V	4804.080	44.81	P
2402	V	4804.080	39.51	A
2402	H	1600.720	49.87	P
2402	H	1600.720	49.46	A

Tx frequency (MHz)	Polarization	Spurious Frequency (MHz)	Power Level (dBuV/m)	Detector (P/QP/A)
2441	V	1626.720	43.47	P
2441	V	1626.720	42.53	A
2441	V	4882.040	49.05	P
2441	V	4881.980	46.96	A
2441	H	1626.700	50.60	P
2441	H	1626.680	50.17	A

Tx frequency (MHz)	Polarization	Spurious Frequency (MHz)	Power Level (dBuV/m)	Detector (P/QP/A)
2480	V	1652.680	45.27	P
2480	V	1652.680	44.83	A
2480	V	4960.060	48.52	P
2480	V	4960.100	44.59	A
2480	H	1652.740	53.04	P
2480	H	1652.700	52.54	A