

www.tuv.com

Appendix 1

Test Results

www.tuv.com

Disturbance Voltage on AC Mains

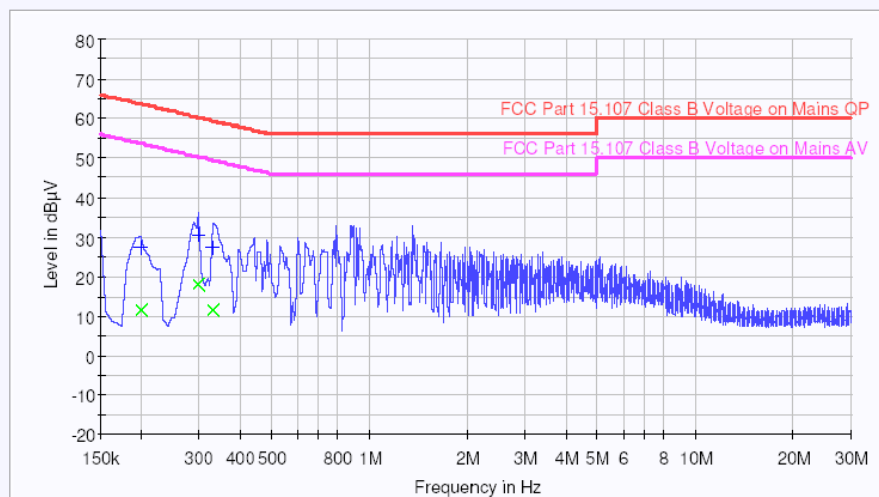
TUV Rheinland Hong Kong Limited

Continuous Disturbance

Test Information

EUT Name:	Bluetrek BTHS
Serial Number:	Metak Evolution (00090828109-002)
Test Description:	FCC part15
Operating Conditions:	Charging mode
Operator Name:	Tony yeung
Comment:	100V 60Hz
Description	L1

Conducted Emission (FCC-P.15) - Class B



Result Table Single

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)
0.300000	30.7	18.1
0.330000	27.5	11.4
0.198000	27.5	11.4

07/09/2009

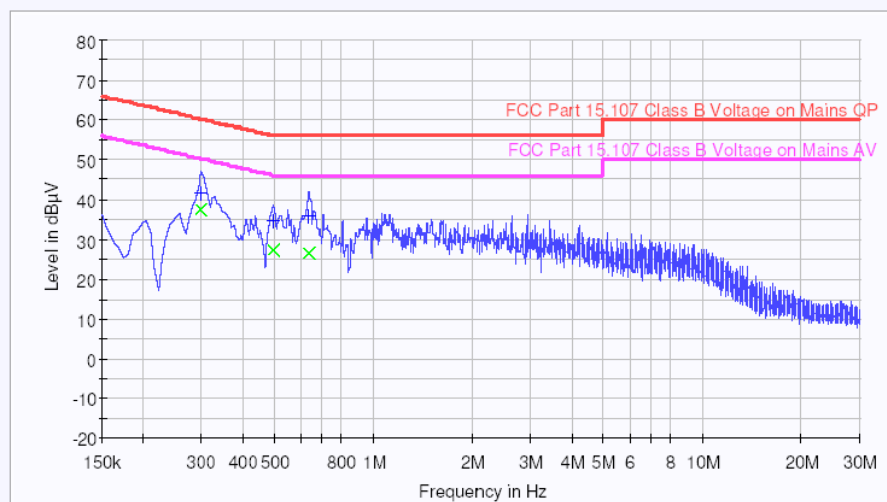
10:21:35

Continuous Disturbance

Test Information

EUT Name:	Bluetrek Tech BTHS
Serial Number:	Metal Evolution (00090828109-002)
Test Description:	FCC part15
Operating Conditions:	Charging mode
Operator Name:	Tony yeung
Comment:	100V 60Hz
Description	N

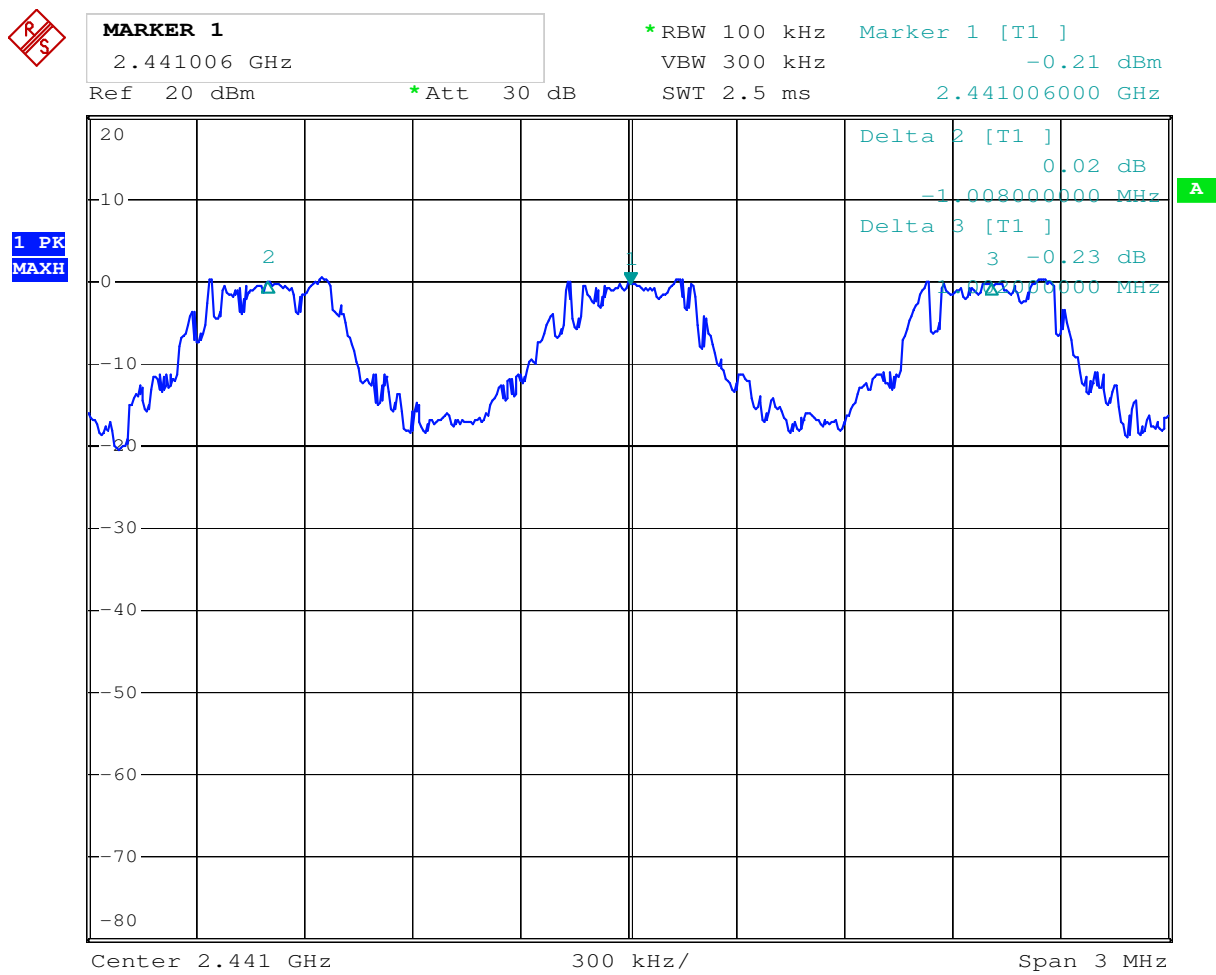
Conducted Emission (FCC-P.15) - Class B



Result Table Single

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)
0.300000	41.6	37.5
0.636000	36.1	26.5
0.498000	34.6	27.3

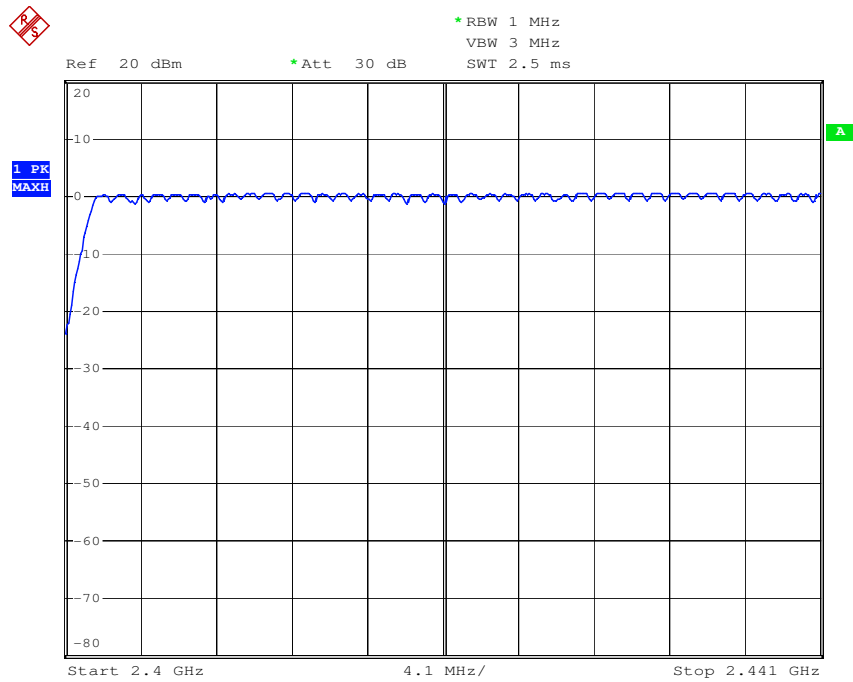
Carrier Frequency Separation



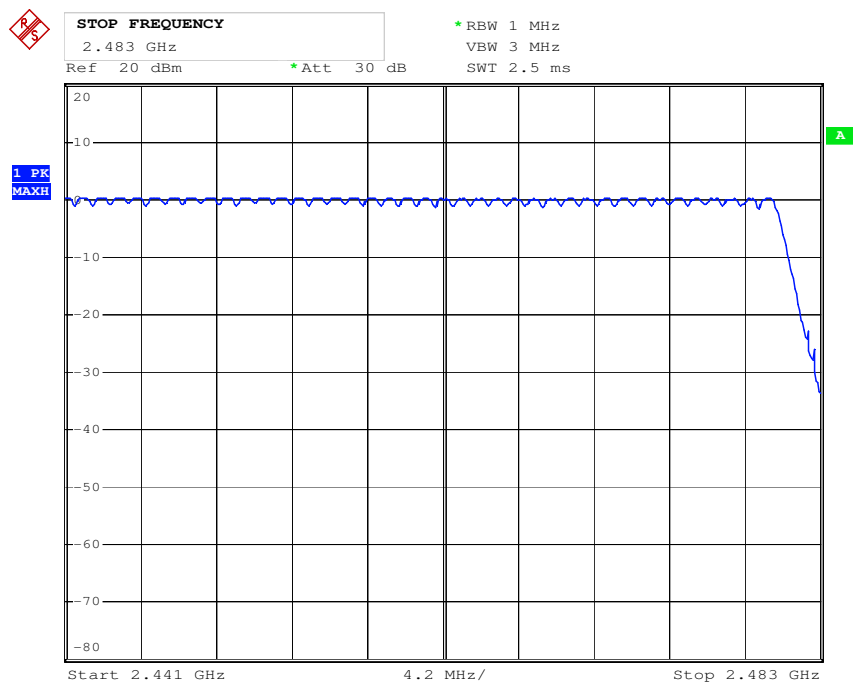
Date: 31.AUG.2009 14:51:30

www.tuv.com

Number of hopping channels



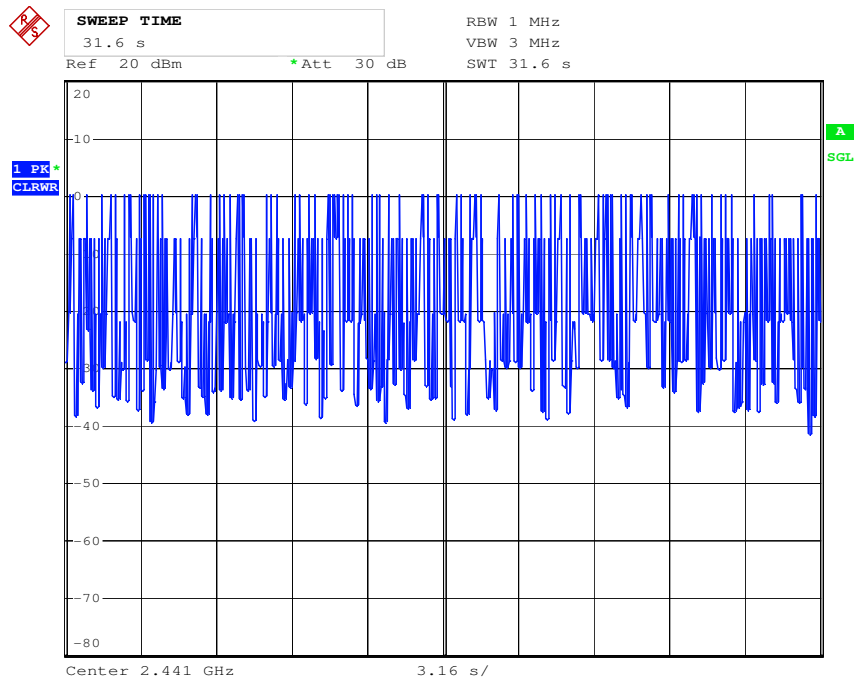
Date: 31.AUG.2009 14:56:18



Date: 31.AUG.2009 15:01:00

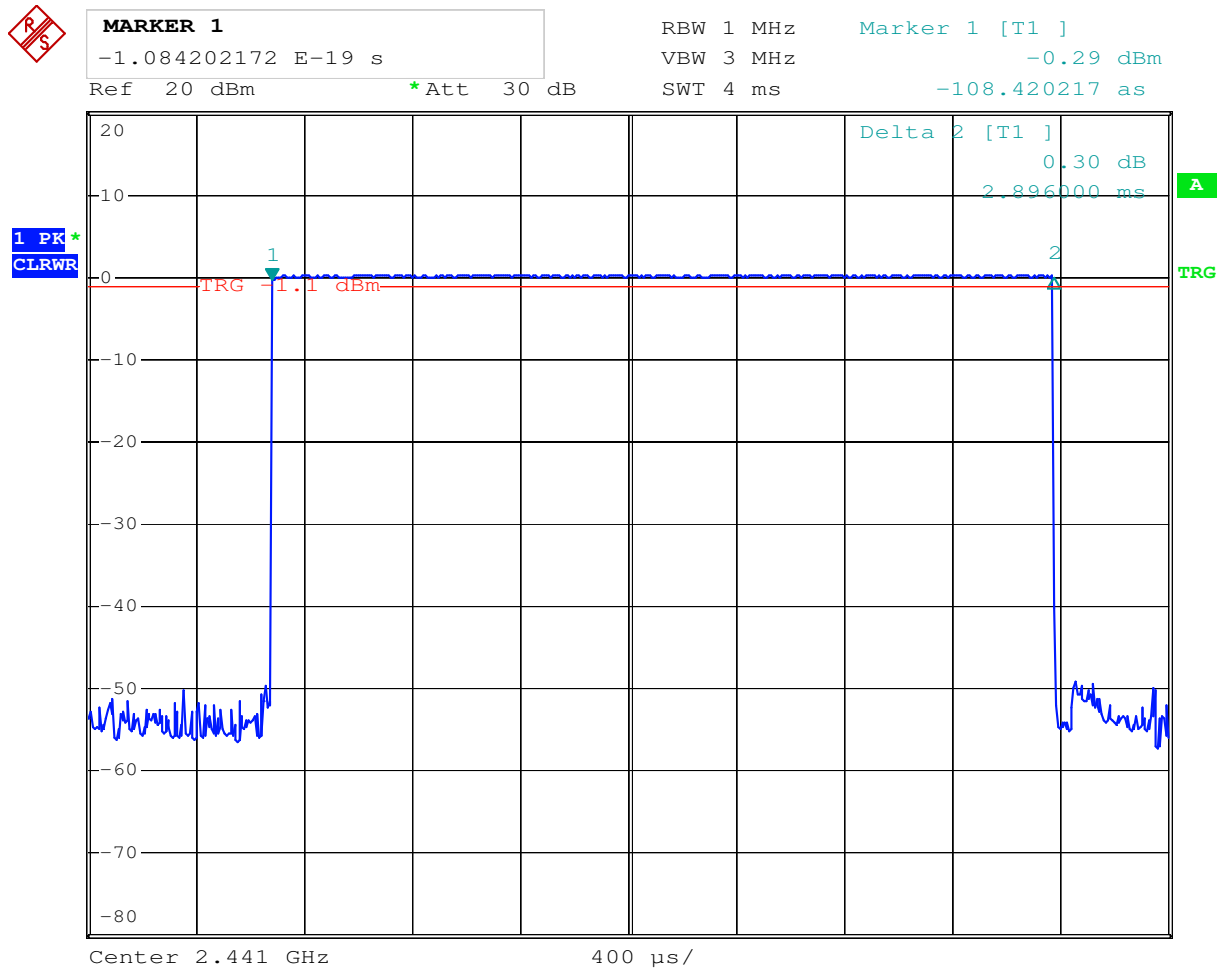
www.tuv.com

Dwell Time



Date: 31.AUG.2009 15:03:49

www.tuv.com



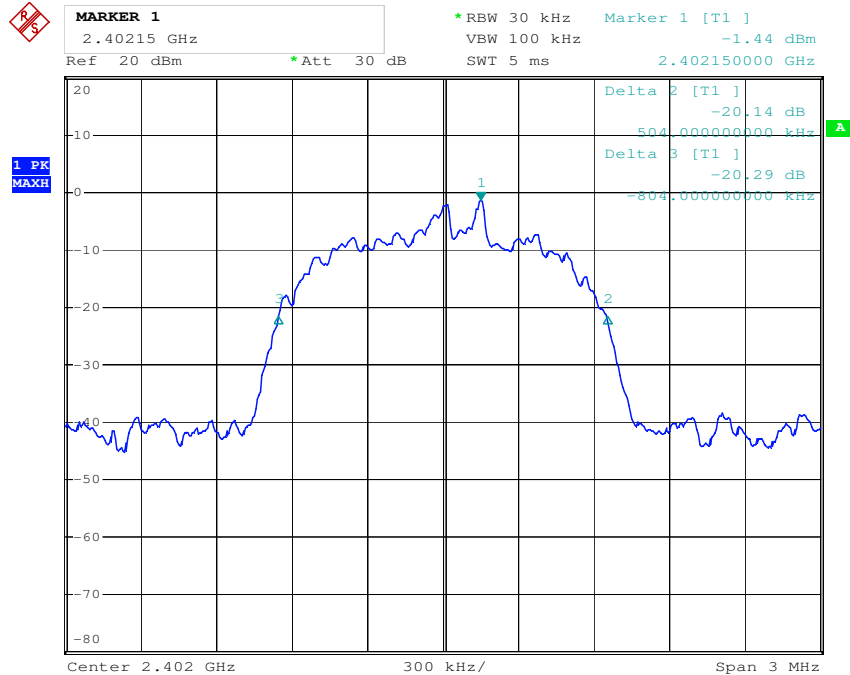
Date: 31.AUG.2009 15:05:10

www.tuv.com

20dB Bandwidth

Modulation: 8 DPSK

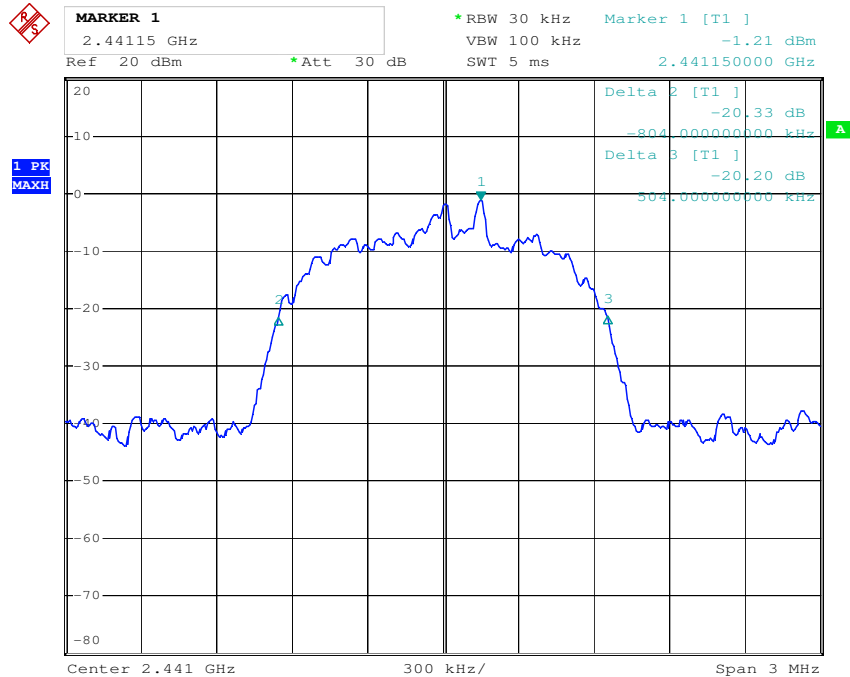
Tx frequency: 2402MHz



Date: 31.AUG.2009 15:08:36

Modulation: 8 DPSK

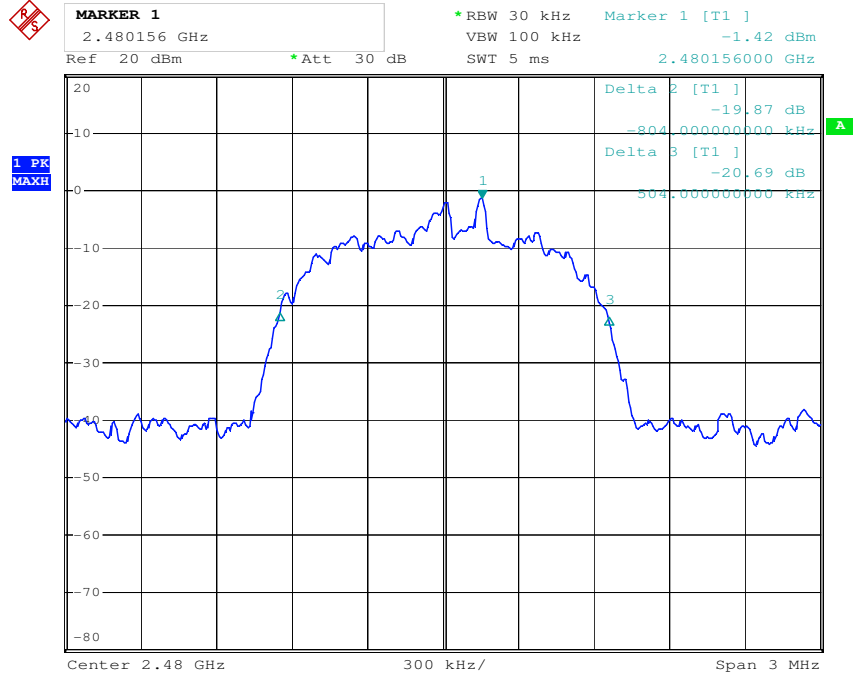
Tx frequency: 2441MHz



Date: 31.AUG.2009 15:09:50

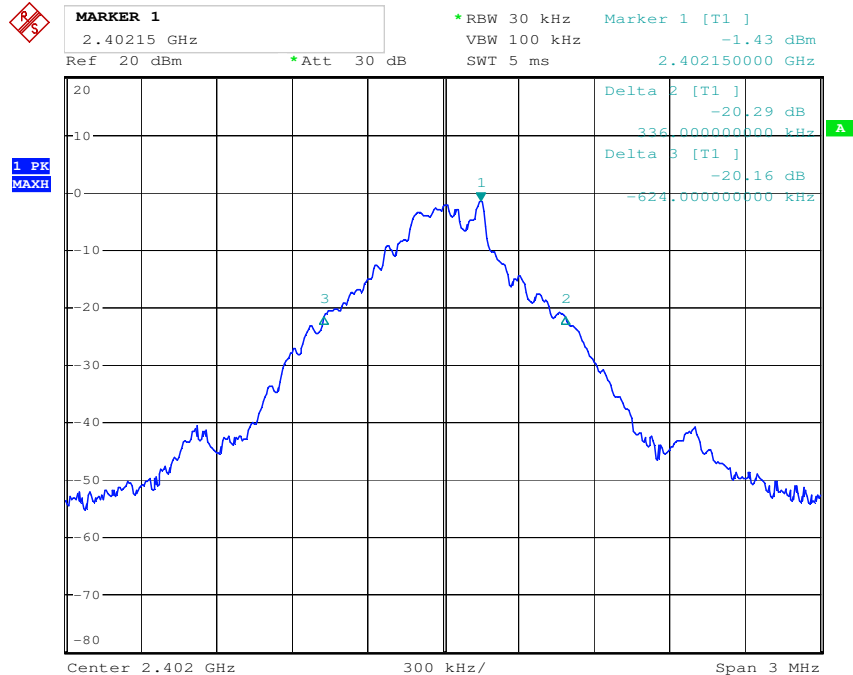
www.tuv.com

Modulation: 8 DPSK
Tx frequency: 2480MHz



Date: 31.AUG.2009 15:13:38

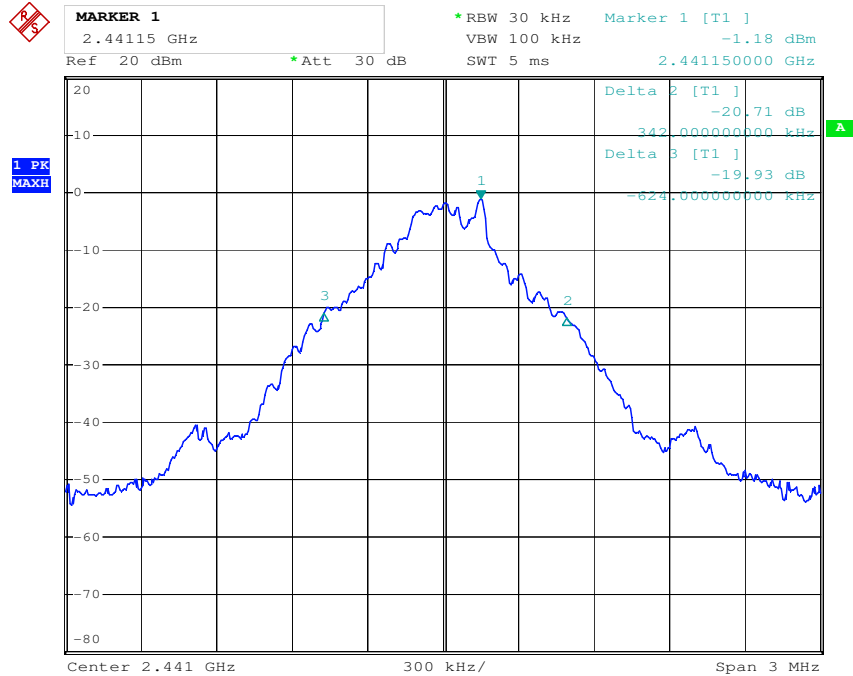
Modulation: GFSK
Tx frequency: 2402MHz



Date: 31.AUG.2009 15:07:21

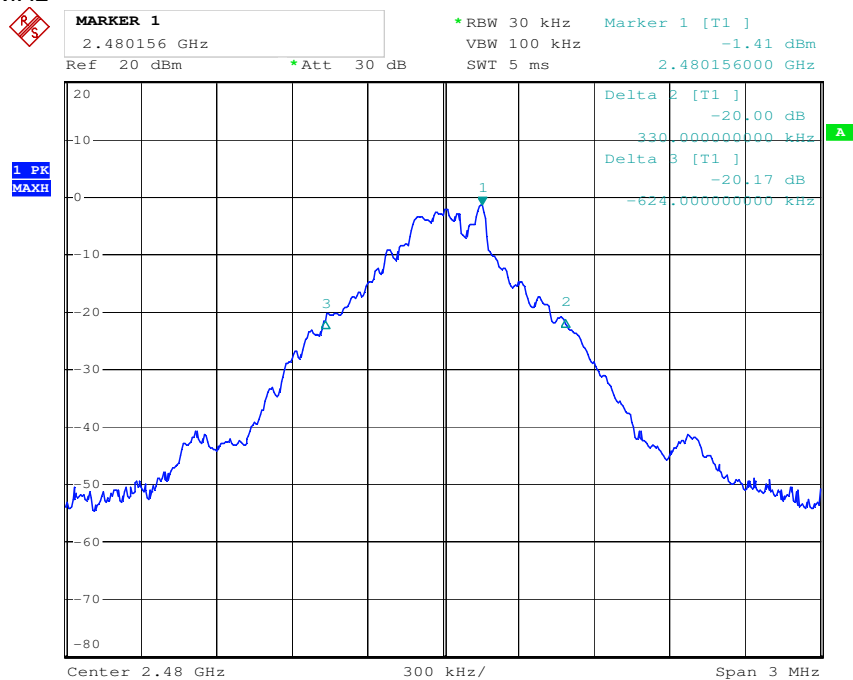
www.tuv.com

Modulation: GFSK
Tx frequency: 2441MHz



Date: 31.AUG.2009 15:11:01

Modulation: GFSK
Tx frequency: 2480MHz



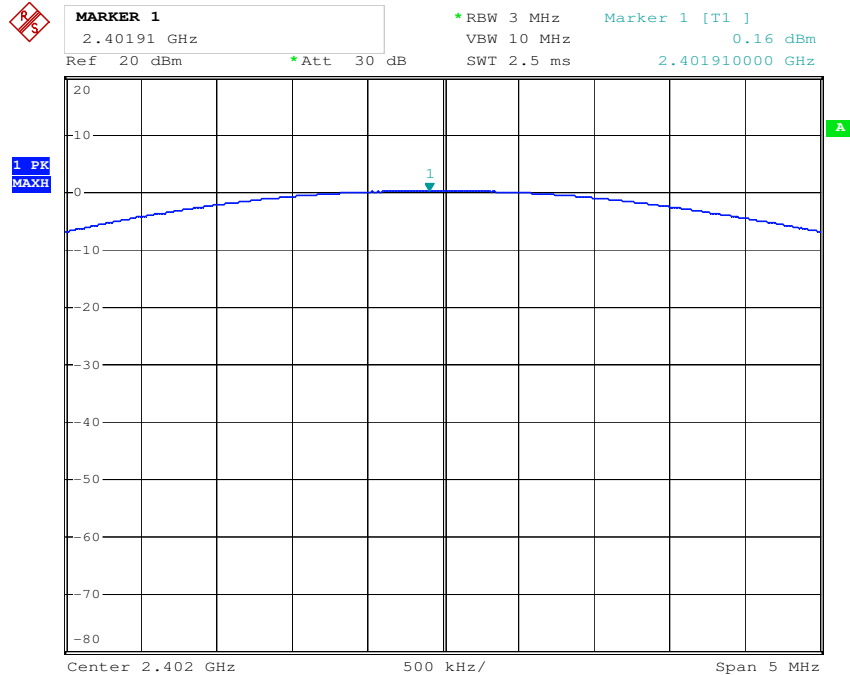
Date: 31.AUG.2009 15:12:16

www.tuv.com

Peak Output Power

Modulation: GFSK

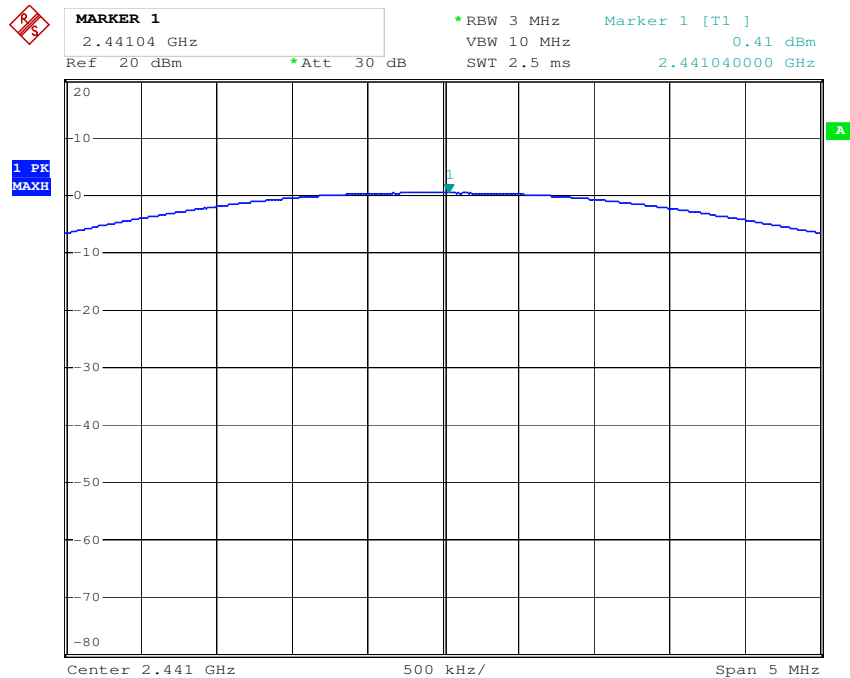
Tx frequency: 2402MHz



Date: 31.AUG.2009 15:22:15

Modulation: GFSK

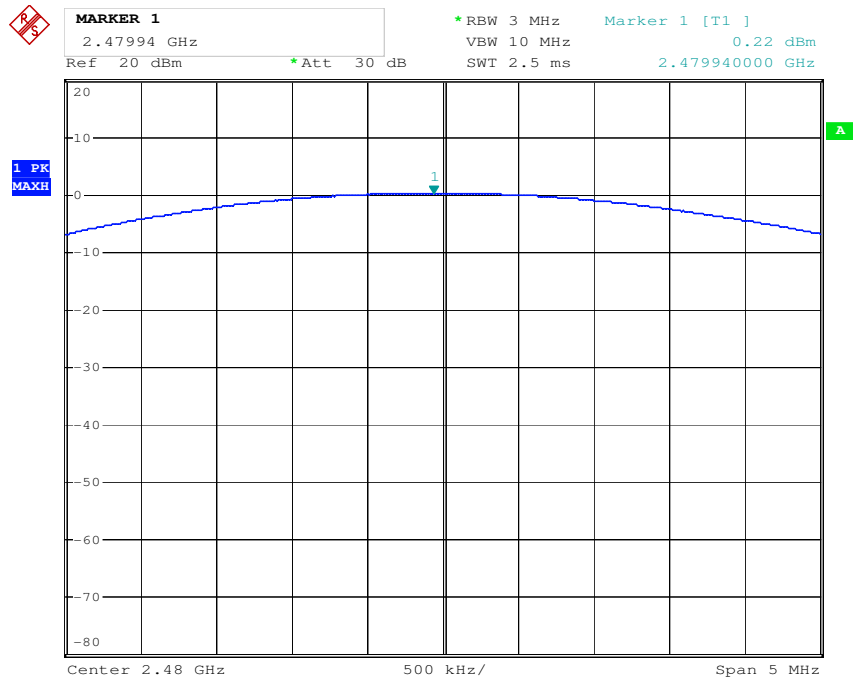
Tx frequency: 2441MHz



Date: 31.AUG.2009 15:17:38

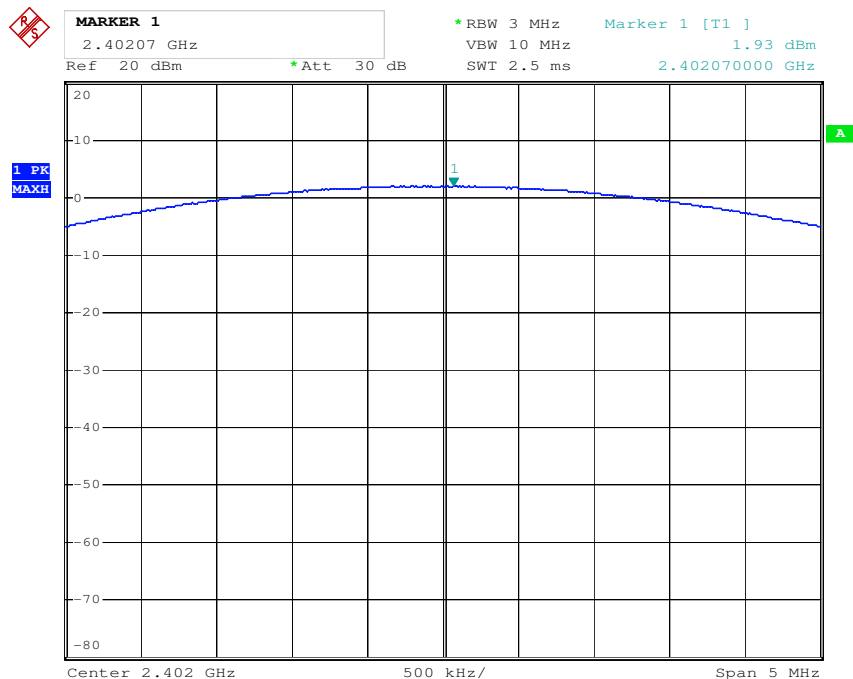
www.tuv.com

Modulation: GFSK
Tx frequency: 2480MHz



Date: 31.AUG.2009 15:16:58

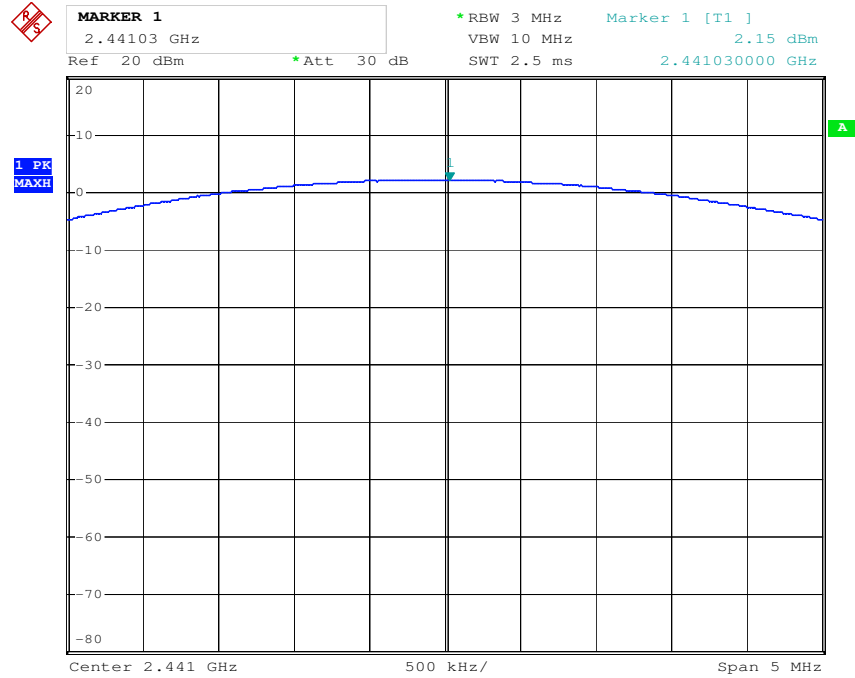
Modulation: Pi/4 DQPSK
Tx frequency: 2402MHz



Date: 31.AUG.2009 15:21:06

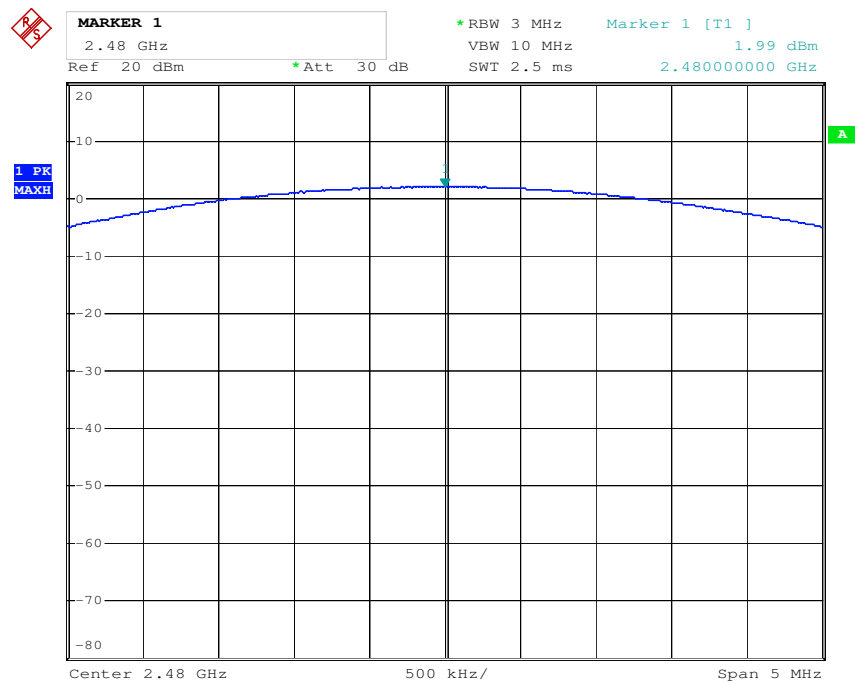
www.tuv.com

Modulation: Pi/4 DQPSK
Tx frequency: 2441MHz



Date: 31.AUG.2009 15:18:19

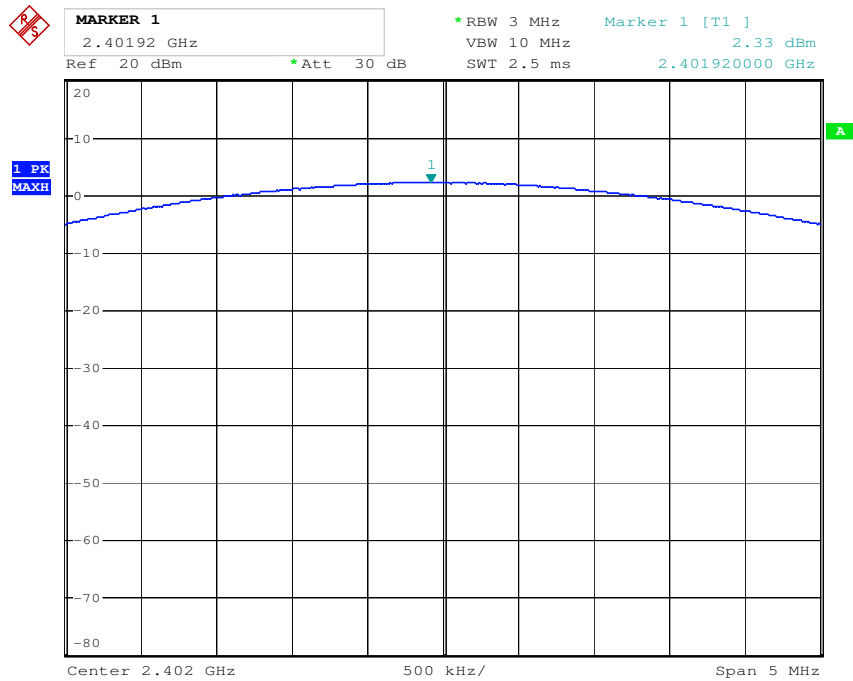
Modulation: Pi/4 DQPSK
Tx frequency: 2480MHz



Date: 31.AUG.2009 15:16:24

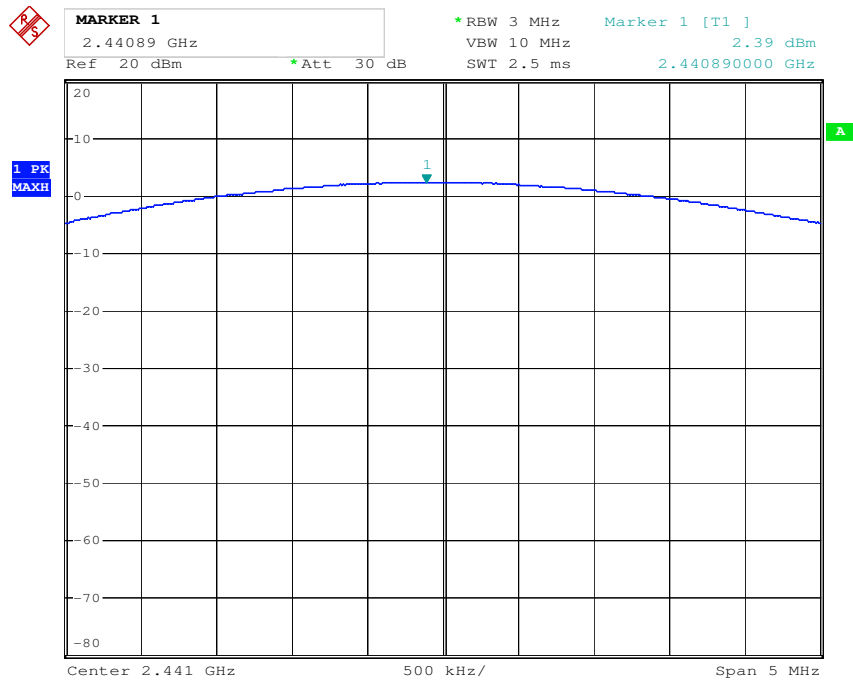
www.tuv.com

Modulation: 8 DPSK
Tx frequency: 2402MHz



Date: 31.AUG.2009 15:20:17

Modulation: 8 DPSK
Tx frequency: 2441MHz



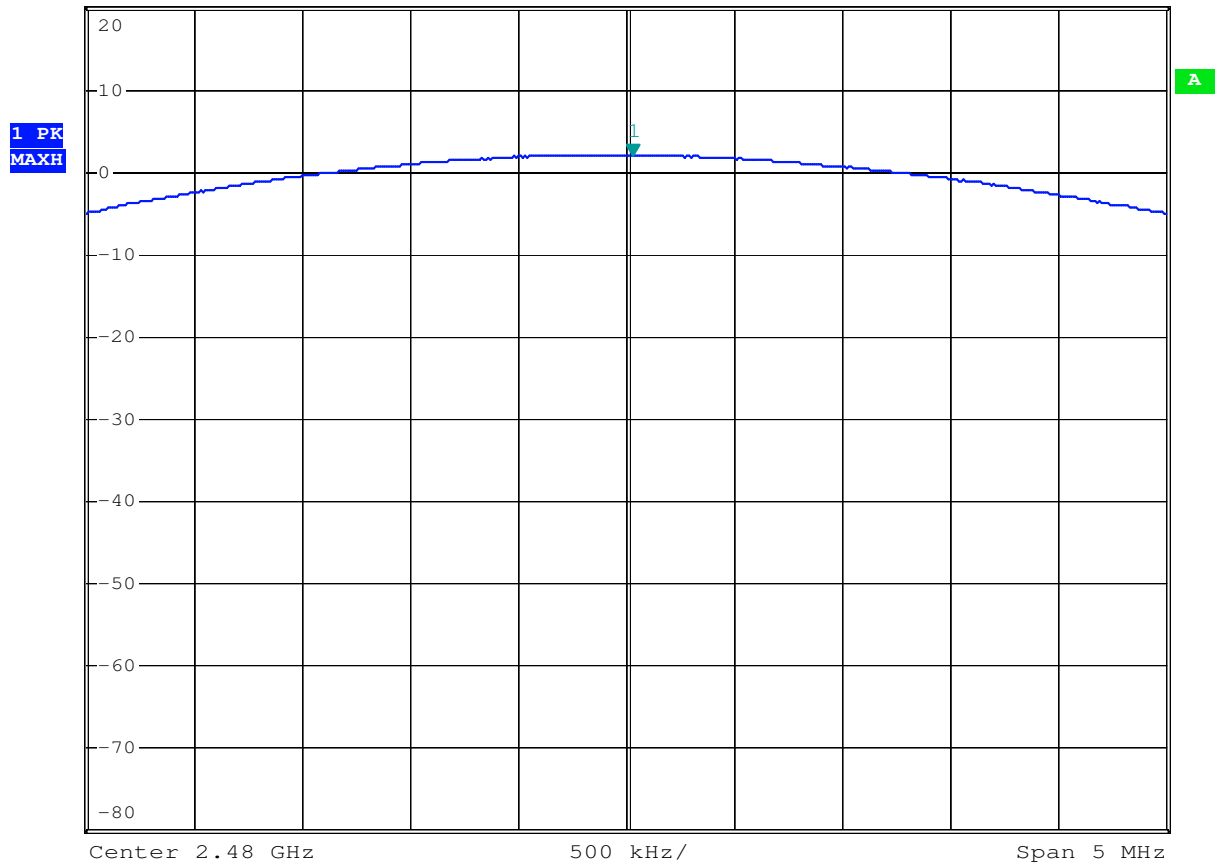
Date: 31.AUG.2009 15:19:02

www.tuv.com

Modulation: 8 DPSK
Tx frequency: 2480MHz



MARKER 1		*RBW 3 MHz	Marker 1 [T1]
2.48003 GHz		VBW 10 MHz	2.15 dBm
Ref 20 dBm	*Att 30 dB	SWT 2.5 ms	2.480030000 GHz

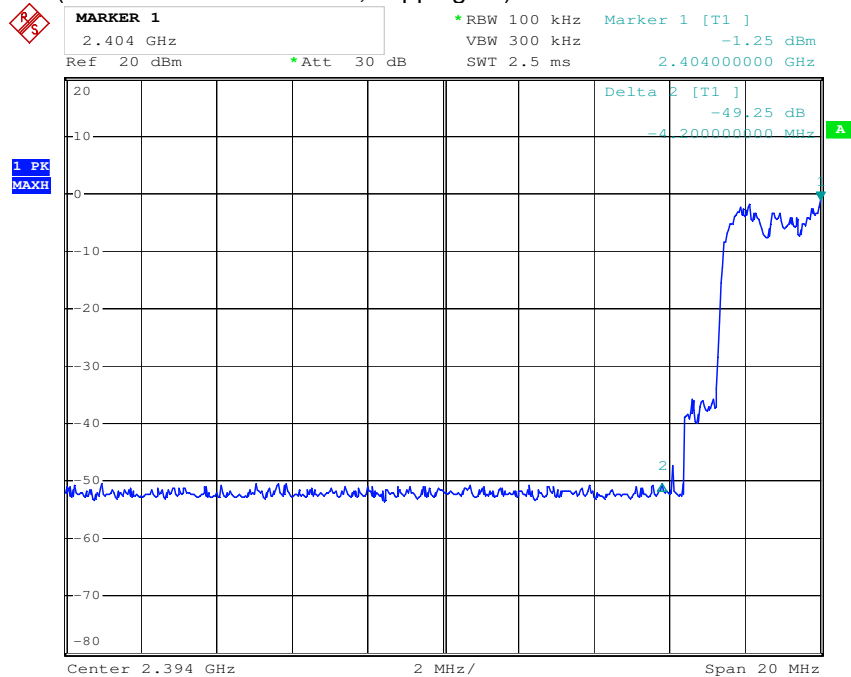


Date: 31.AUG.2009 15:15:14

www.tuv.com

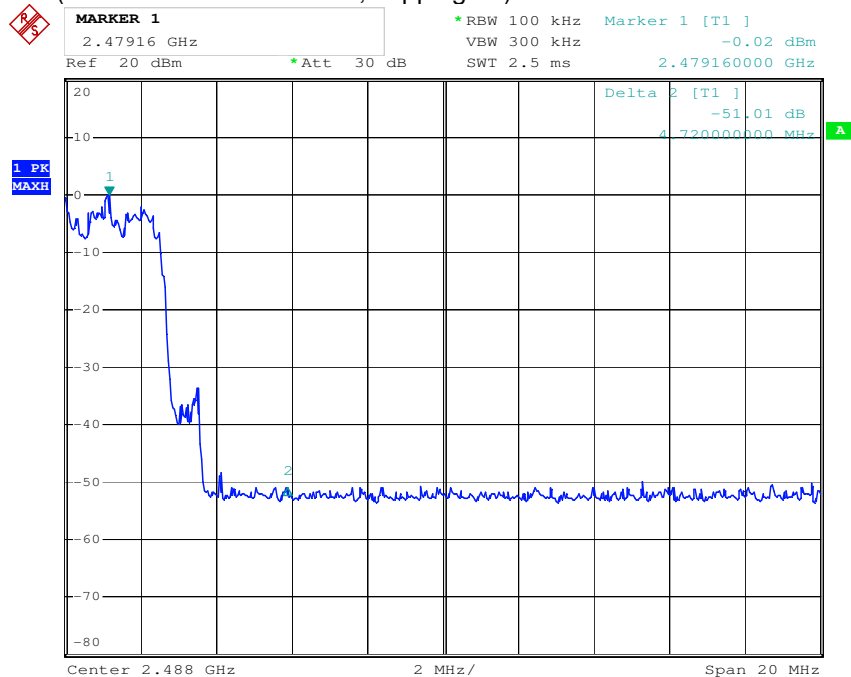
Band Edge Compliance

Tx frequency: 2402MHz (conducted measurement; hopping on)



Date: 31.AUG.2009 15:27:24

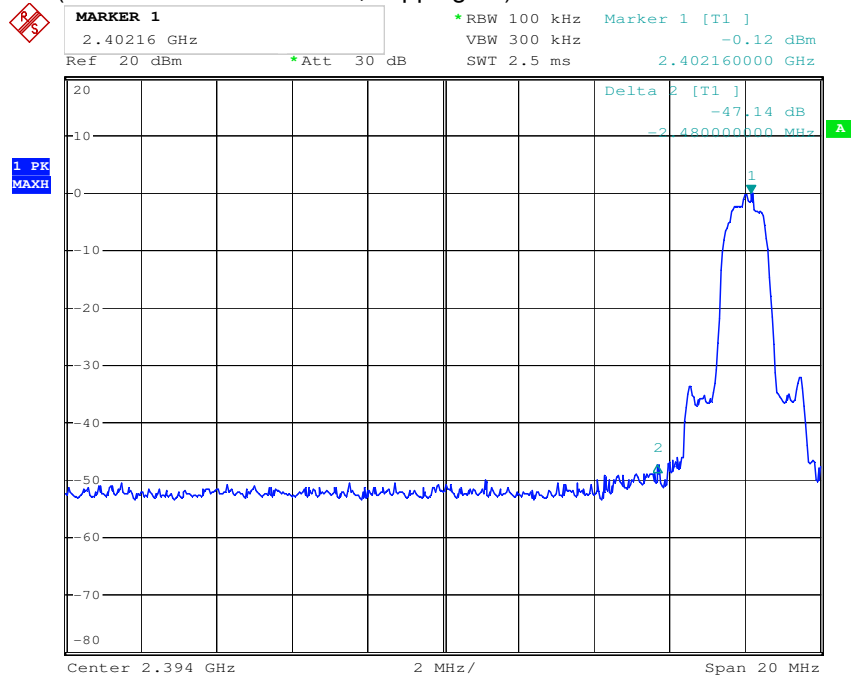
Tx frequency: 2480MHz (conducted measurement; hopping on)



Date: 31.AUG.2009 15:31:27

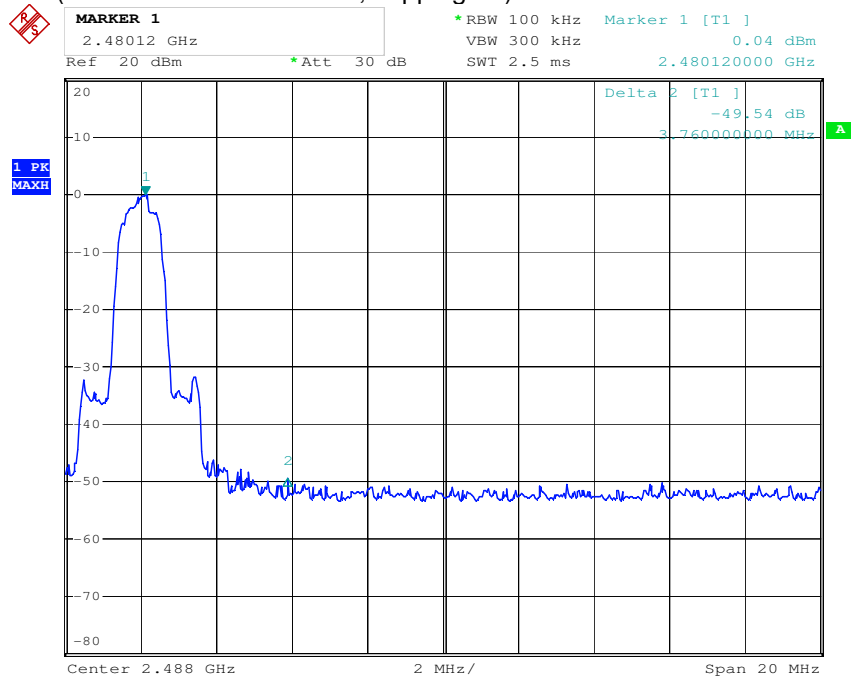
www.tuv.com

Tx frequency: 2402MHz (conducted measurement; hopping off)



Date: 31.AUG.2009 15:24:46

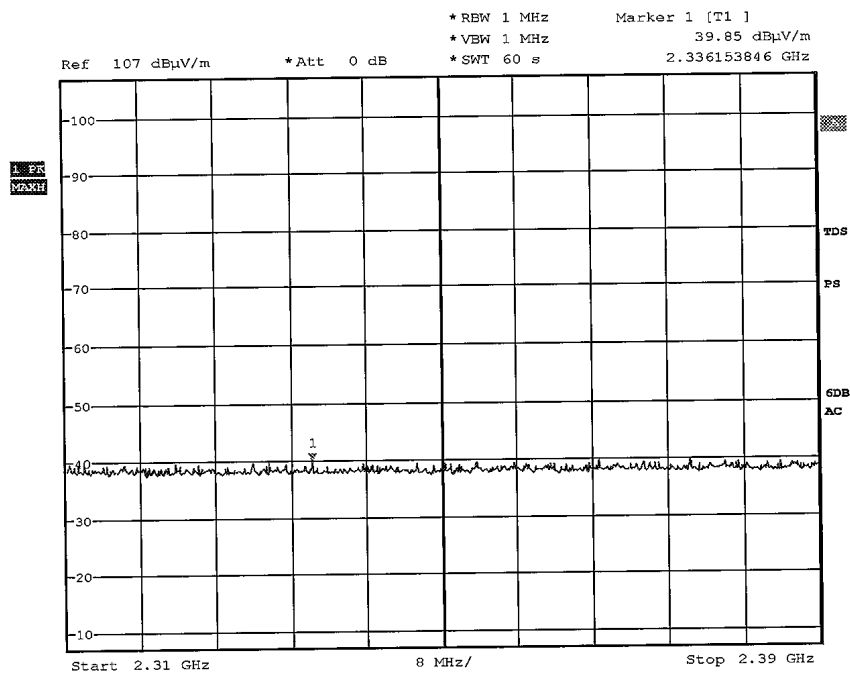
Tx frequency: 2480MHz (conducted measurement; hopping off)



Date: 31.AUG.2009 15:30:07

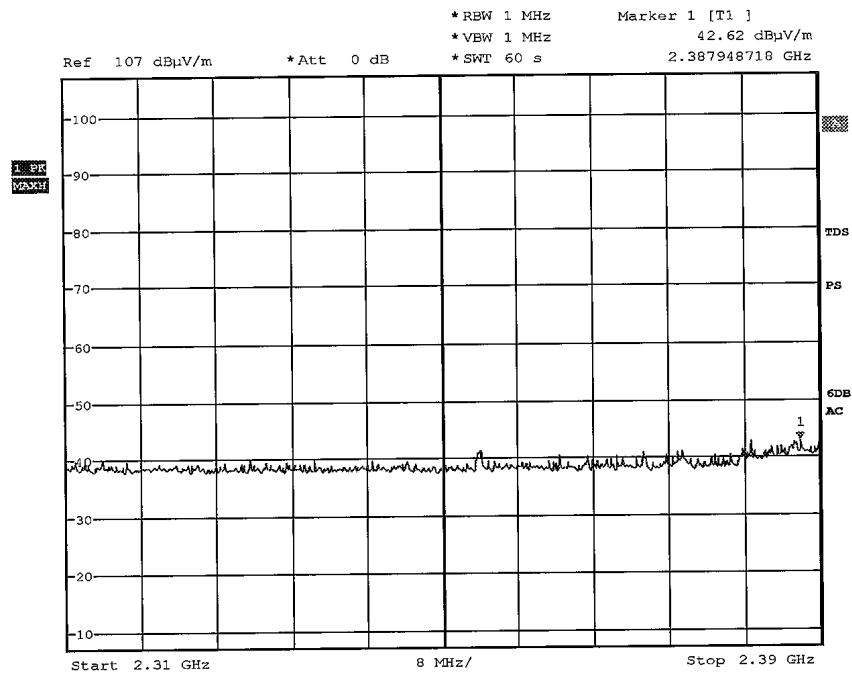
www.tuv.com

Tx frequency: 2402MHz (radiated measurement)



BLUETREK/ METAL EVOLUTION/ 00090828109/ VERT./ 2402MHz
 Date: 1.SEP.2009 17:33:22

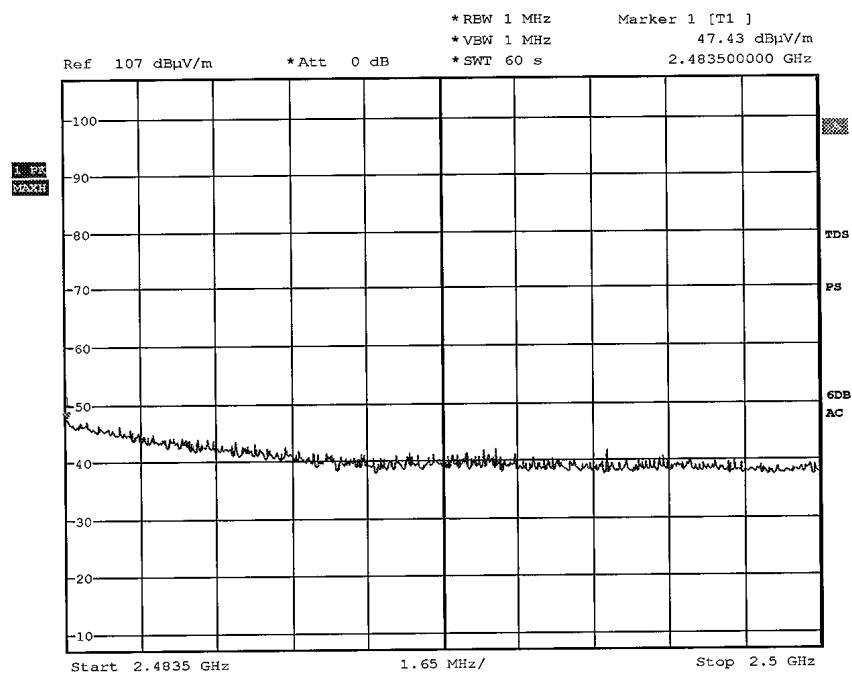
www.tuv.com



BLUETREK/ METAL EVOLUTION/ 00090828109/ HORI./ 2402MHz
 Date: 1.SEP.2009 17:30:57

www.tuv.com

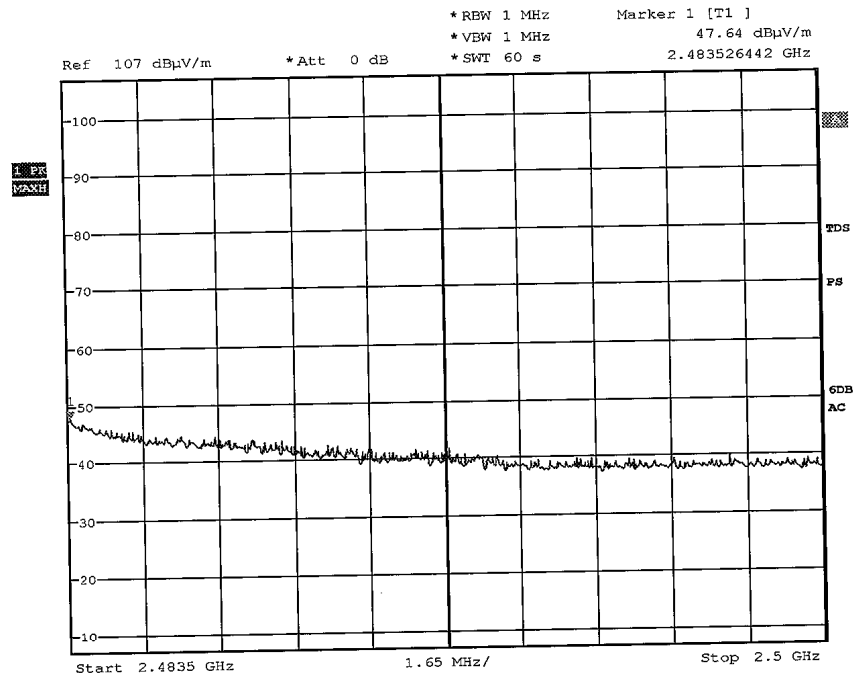
Tx frequency: 2480MHz (radiated measurement)



BLUETREK/ METAL EVOLUTION/ 00090828109/ VERT./ 2480MHz

Date: 1.SEP.2009 18:01:57

www.tuv.com

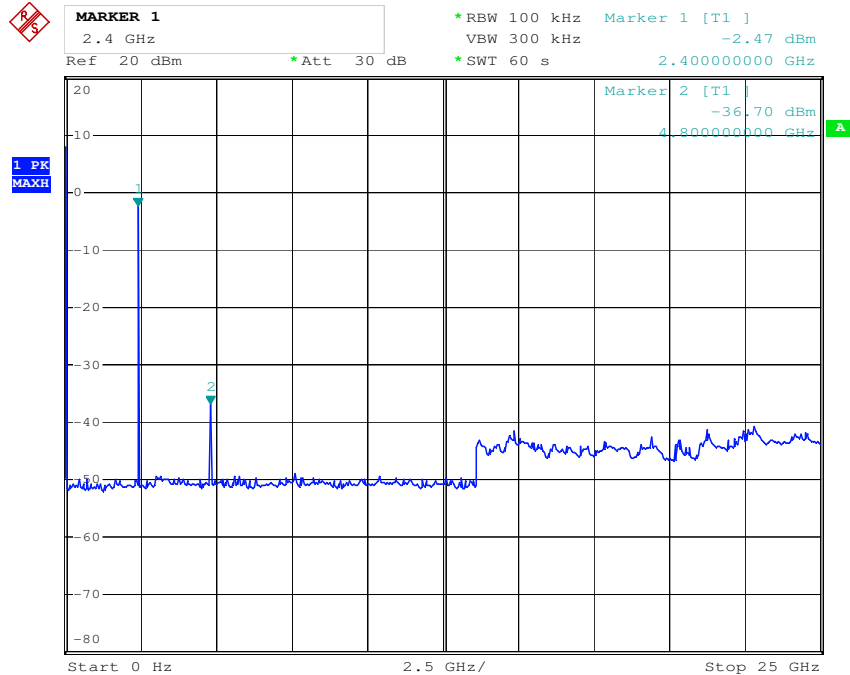


BLUETREK/ METAL EVOLUTION/ 00090828109/ HORI./ 2480MHz
 Date: 1.SEP.2009 18:03:06

www.tuv.com

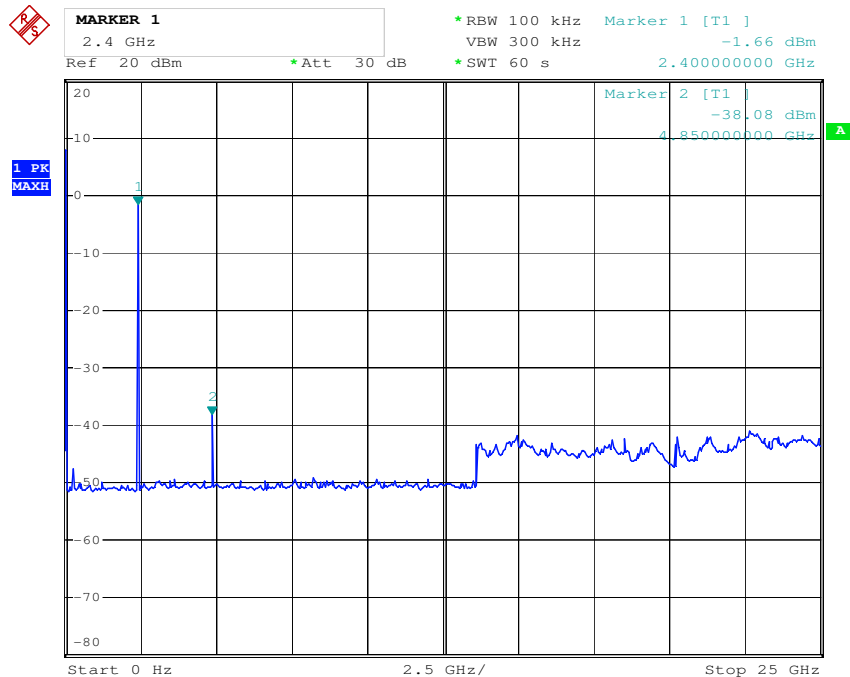
Spurious Emissions - Conducted

Tx frequency: 2402MHz



Date: 31.AUG.2009 15:43:05

Tx frequency: 2441MHz



Date: 31.AUG.2009 15:40:02

www.tuv.com

Tx frequency: 2480MHz



MARKER 1

2.45 GHz

Ref 20 dBm

*Att 30 dB

*RBW 100 kHz

VBW 300 kHz

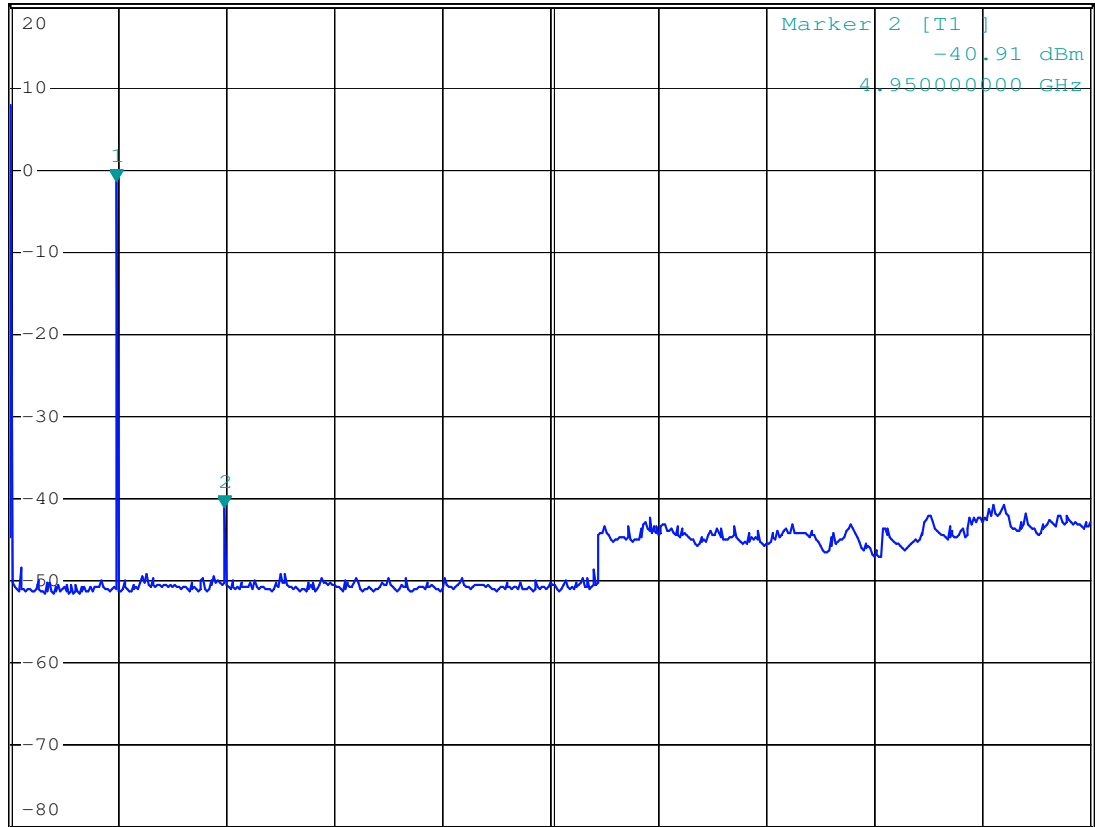
*SWT 60 s

Marker 1 [T1]

-1.40 dBm

2.450000000 GHz

1 PK
MAXH



Start 0 Hz

2.5 GHz/

Stop 25 GHz

Date: 31.AUG.2009 15:36:05