

Appendix 1

Test Results

Disturbance Voltage on AC Mains

Mode 1: Sink Mode

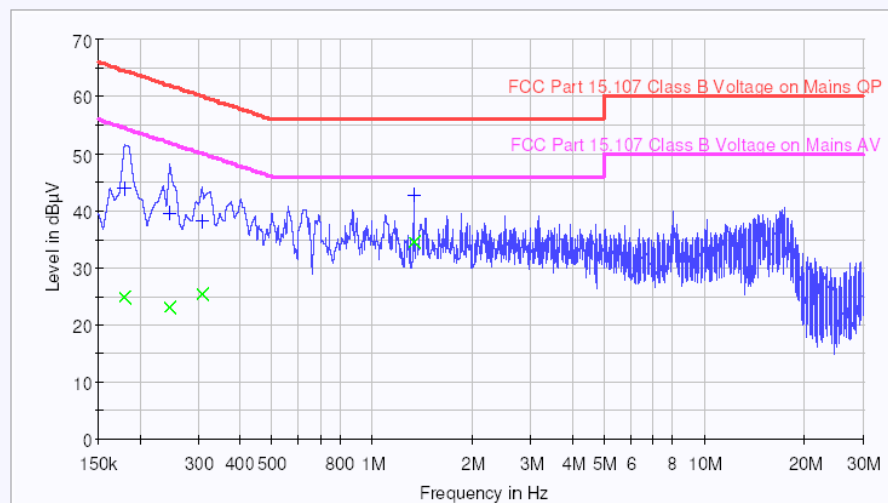
TUV Rheinland Hong Kong Limited

Continuous Disturbance

Test Information

EUT Name: Avantwave BT Music Transceiver
Serial Number: BHA200(00091021024-001)
Test Description: FCC part 15 Class B
Operating Conditions: Sink Mode
Operator Name: Samuel Ku
Comment: 100V 60Hz
Description: CEL1

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



Result Table Single

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)
0.180000	43.9	25.1
0.246000	39.7	23.2
0.306000	38.2	25.6
1.332000	42.9	34.5

30/10/2009

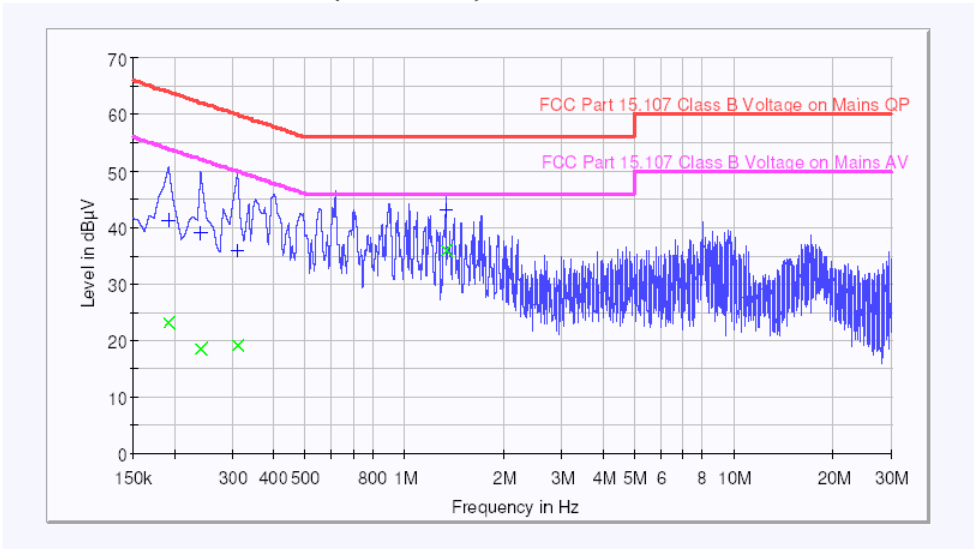
10:35:29

Continuous Disturbance

Test Information

EUT Name:	Avantwave BT Music Transceiver
Serial Number:	BHA200(00091021024-001)
Test Description:	FCC part 15 Class B
Operating Conditions:	Sink Mode
Operator Name:	Samuel Ku
Comment:	100V 60Hz
Description	CEN

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



Result Table_Single

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)
0.192000	41.3	23.2
0.240000	39.1	18.8
0.312000	36.1	19.1
1.332000	43.1	35.9

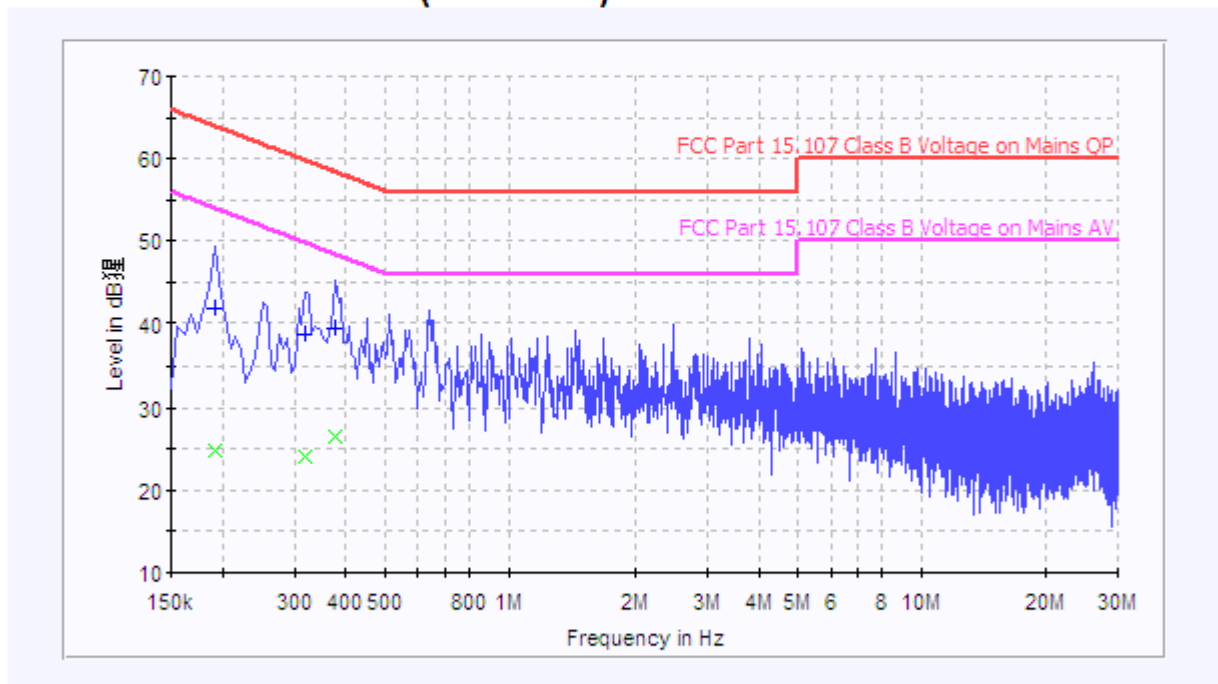
Mode 2: Source Mode

Continuous Disturbance

Test Information

EUT Name: Avantwave BT Music Transceiver
Serial Number: BHA 200(00090929100-002)
Test Description: FCC Part 15 Class B
Operating Conditions: Audio Source Mode
Operator Name: Samuel Ku
Comment: 100V 60Hz
Description: CE L1

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



Result Table_Single

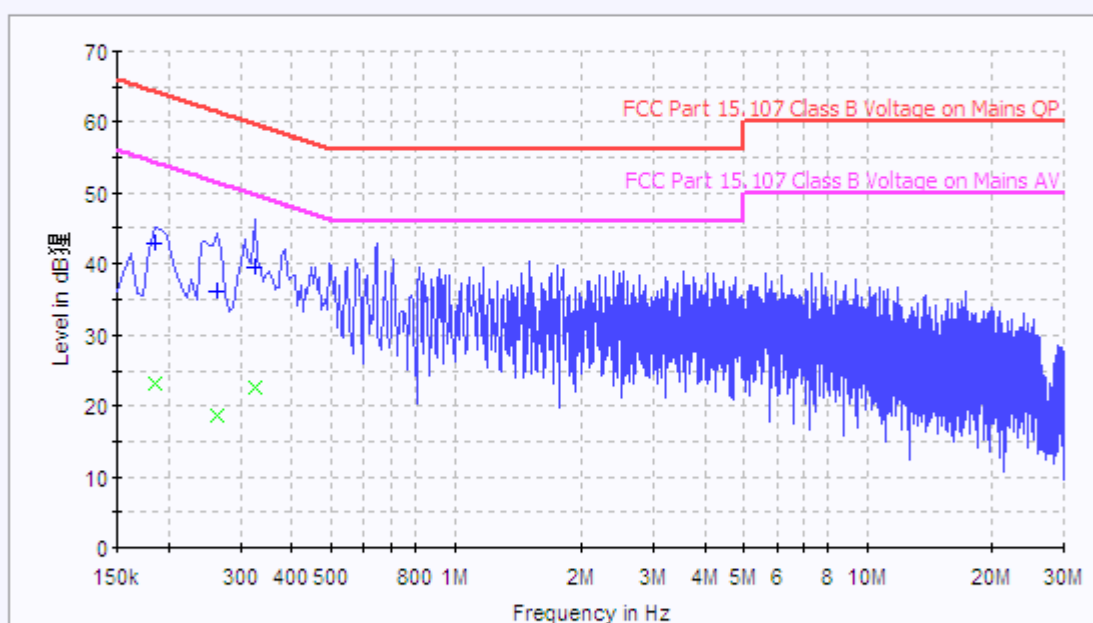
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)
0.192000	41.9	24.7
0.318000	38.6	24.1
0.378000	39.4	26.4

Continuous Disturbance

Test Information

EUT Name: Avantwave BT Music Transceiver
Serial Number: BHA 200(00090929100-002)
Test Description: FCC Part 15 Class B
Operating Conditions: Audio Source Mode
Operator Name: Samuel Ku
Comment: 100V 60Hz
Description: CE N

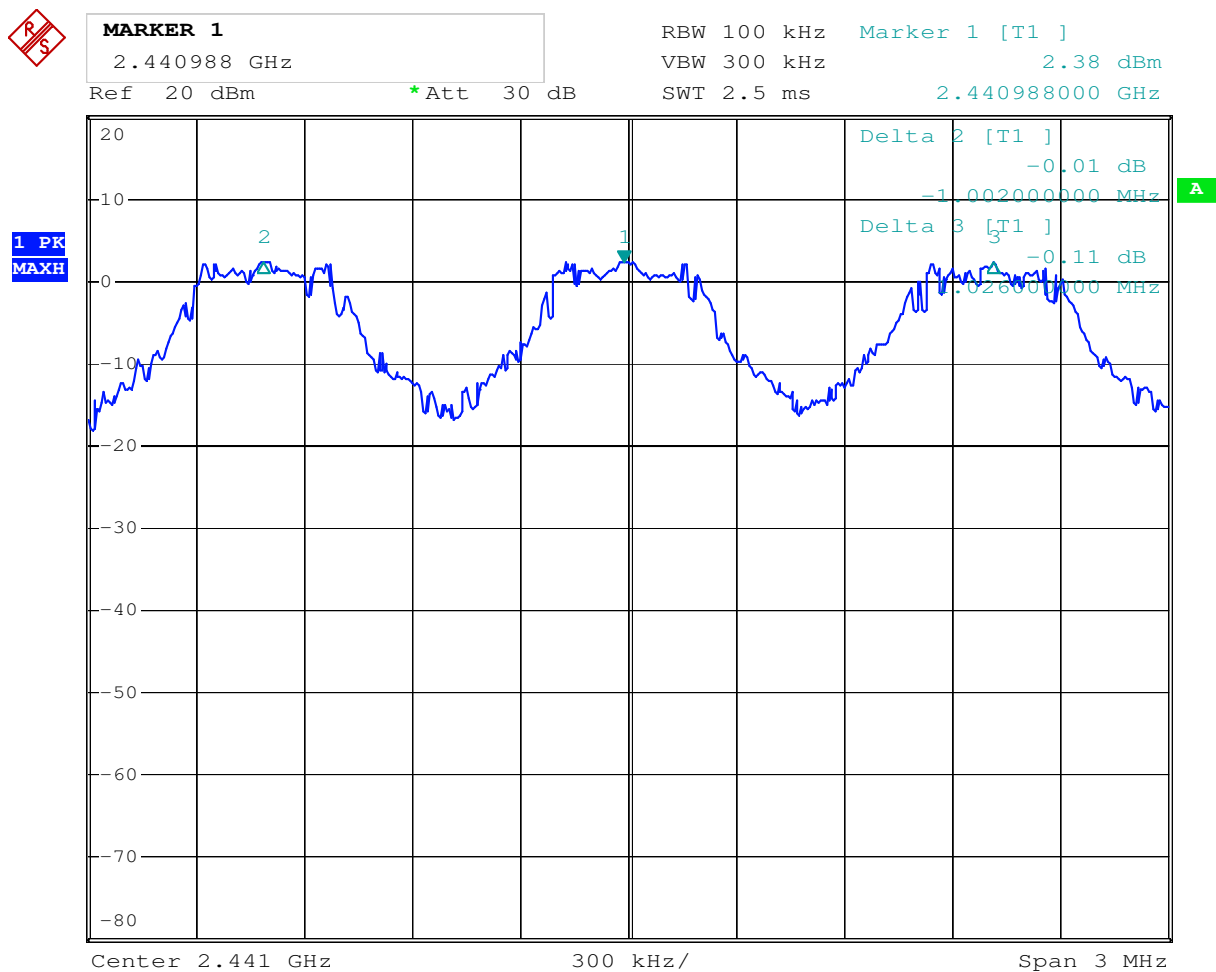
Conducted Emission (FCC-P.15) - Class B



Result Table Single

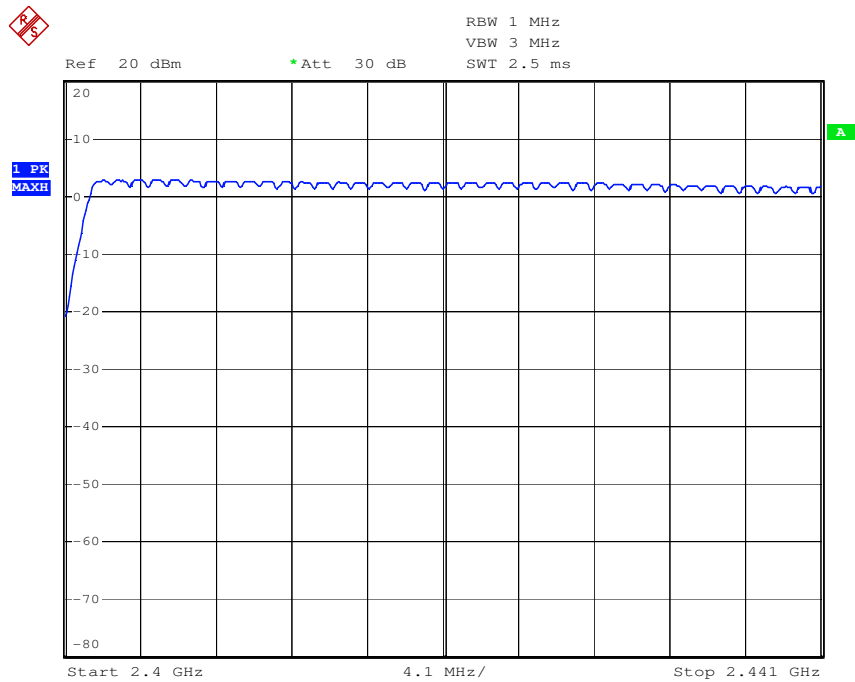
Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)
0.324000	39.4	22.6
0.264000	35.9	18.6
0.186000	42.9	23.1

Carrier Frequency Separation

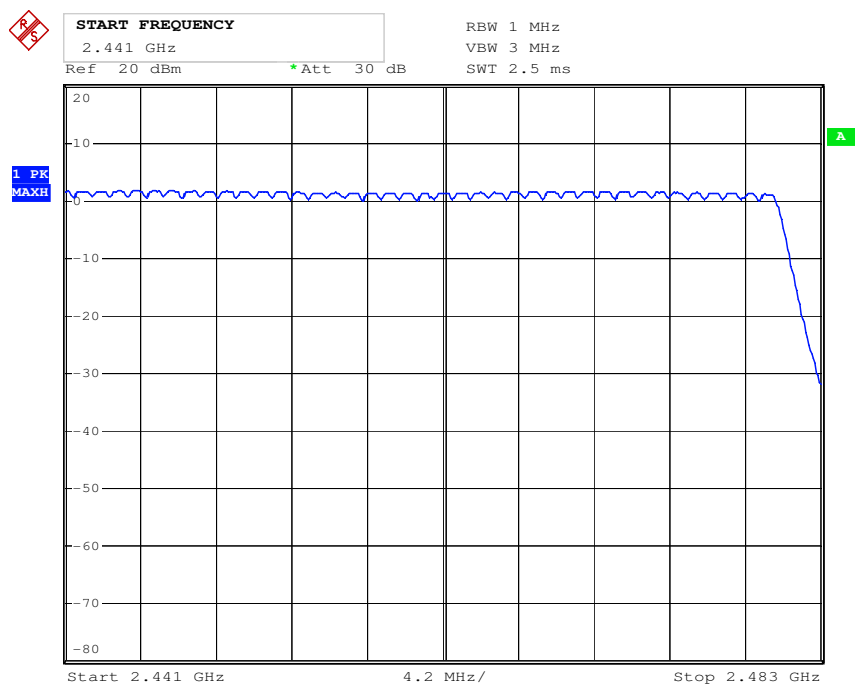


Date: 30.SEP.2009 16:20:37

Number of hopping channels

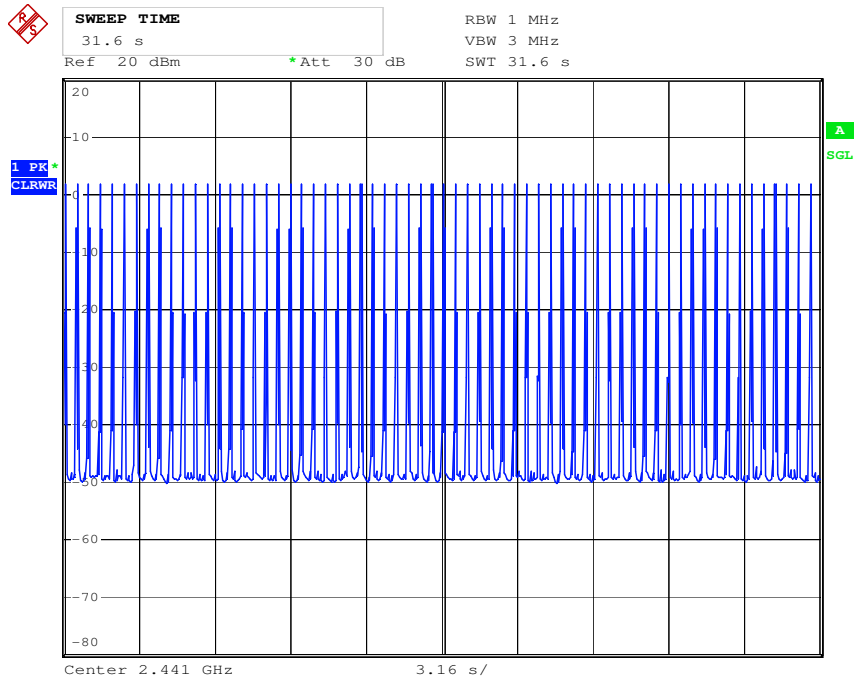


Date: 30.SEP.2009 16:22:37



Date: 30.SEP.2009 16:23:50

Dwell Time



Date: 30.SEP.2009 16:25:58



MARKER 1
3 μ s

Ref 20 dBm *Att 30 dB

RBW 1 MHz

VBW 3 MHz

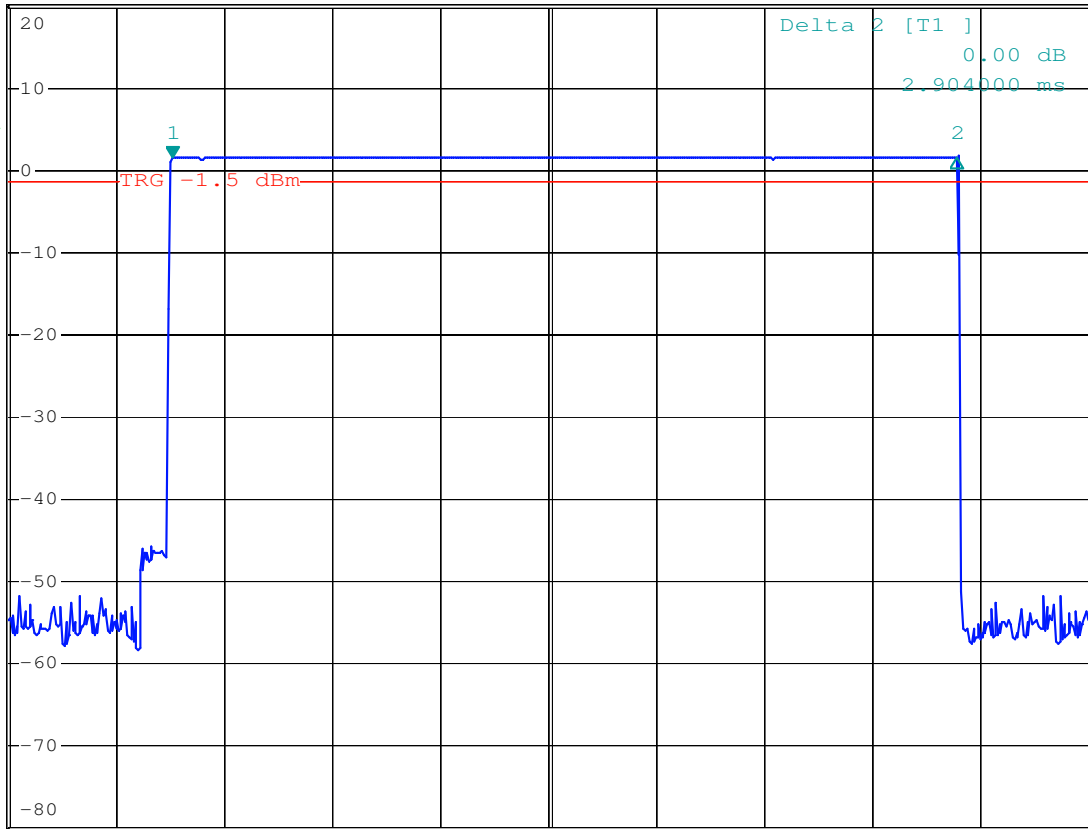
SWT 4 ms

Marker 1 [T1]

1.62 dBm

3.000000 μ s

1 PK*
CLRWR



Center 2.441 GHz

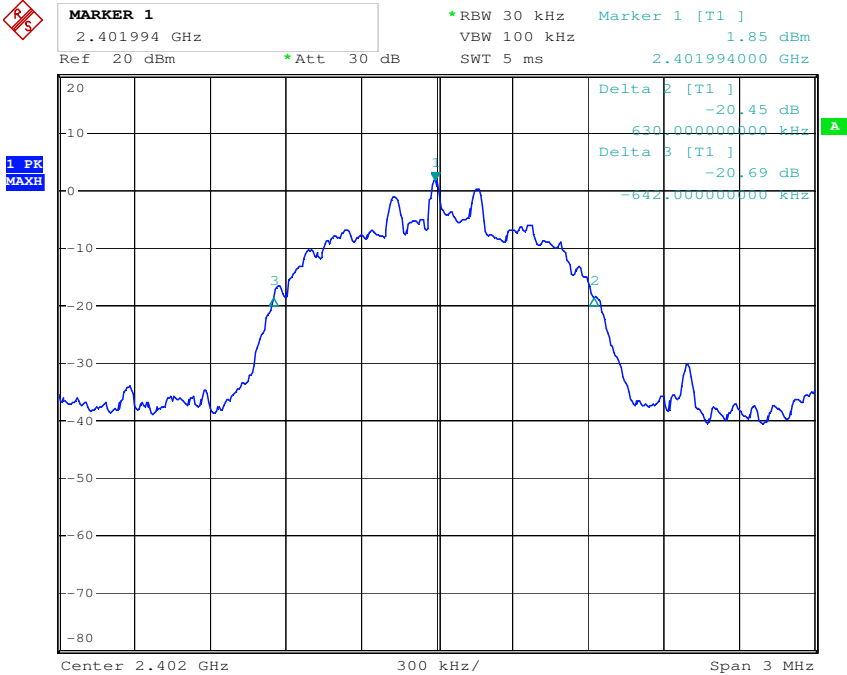
400 μ s/

Date: 30.SEP.2009 16:29:36

20dB Bandwidth

Modulation: 8 DPSK

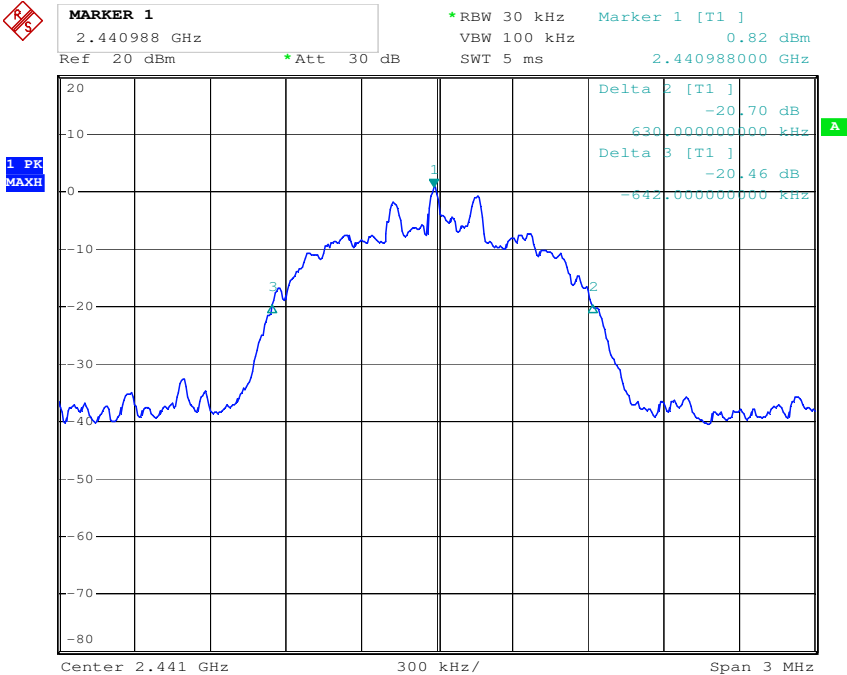
Tx frequency: 2402MHz



Date: 30.SEP.2009 16:34:22

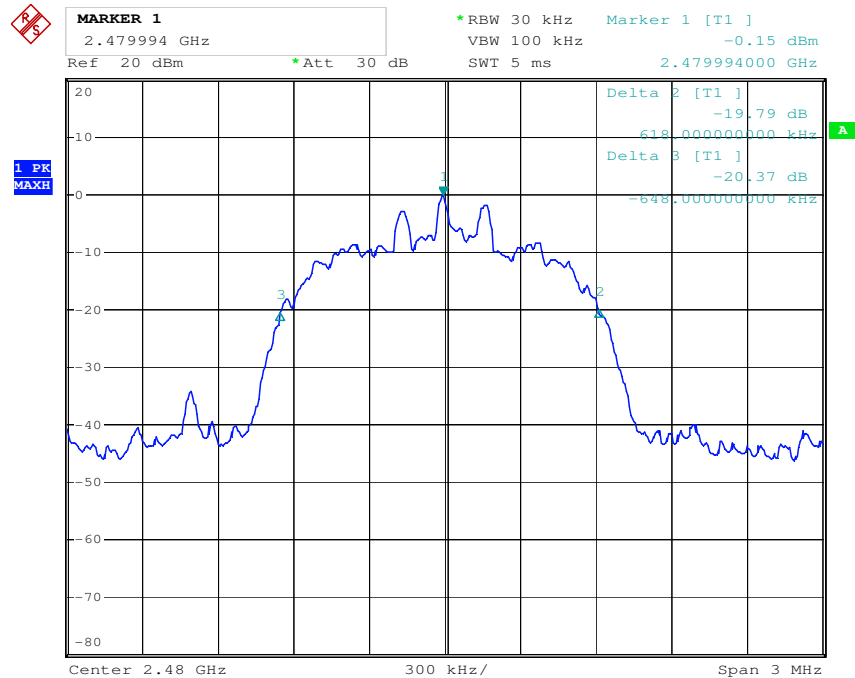
Modulation: 8 DPSK

Tx frequency: 2441MHz



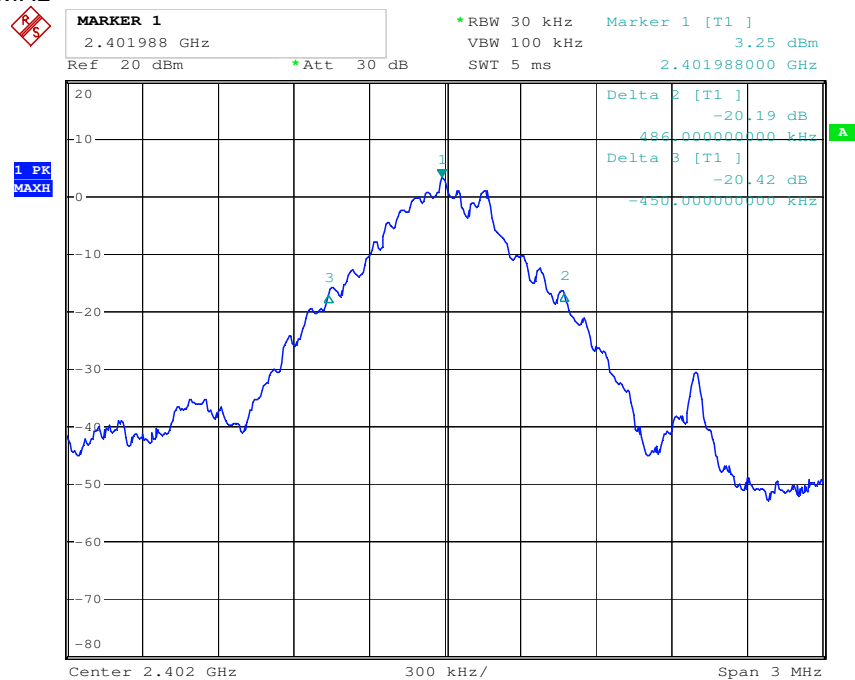
Date: 30.SEP.2009 16:35:49

Modulation: 8 DPSK
Tx frequency: 2480MHz



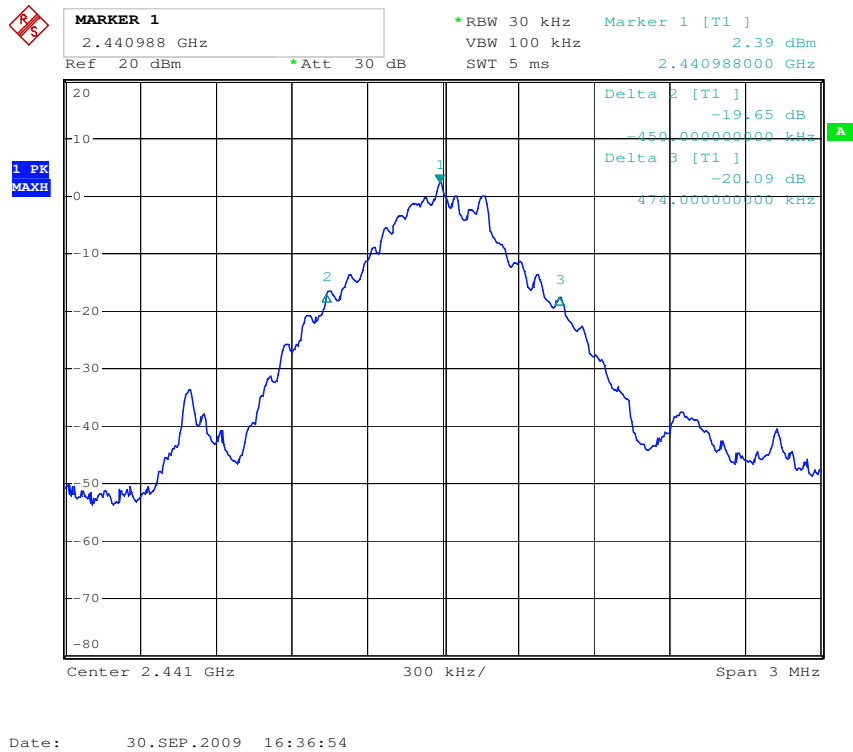
Date: 30.SEP.2009 16:39:37

Modulation: GFSK
Tx frequency: 2402MHz

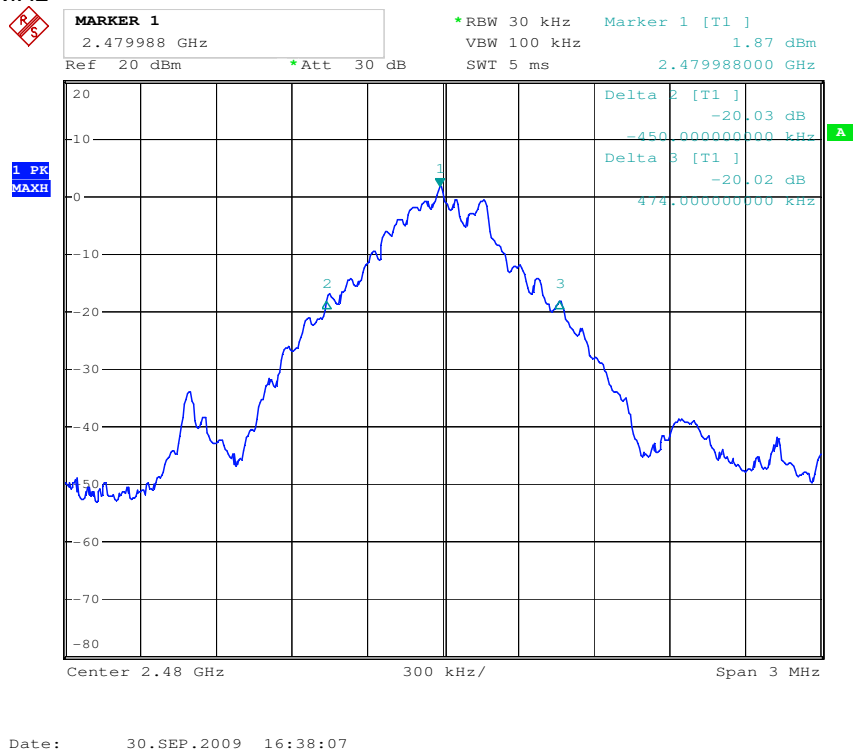


Date: 30.SEP.2009 16:32:30

Modulation: GFSK
Tx frequency: 2441MHz

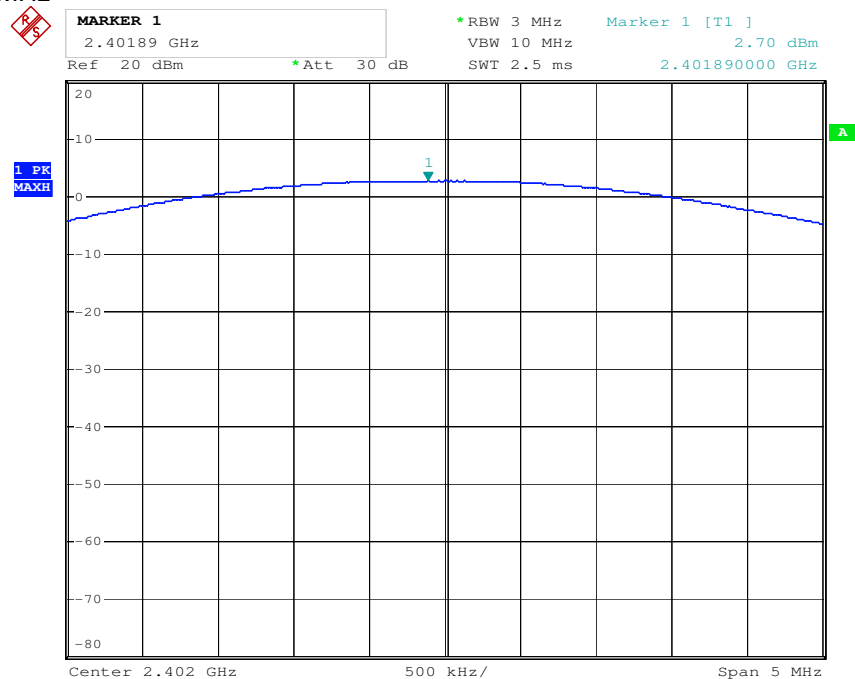


Modulation: GFSK
Tx frequency: 2480MHz



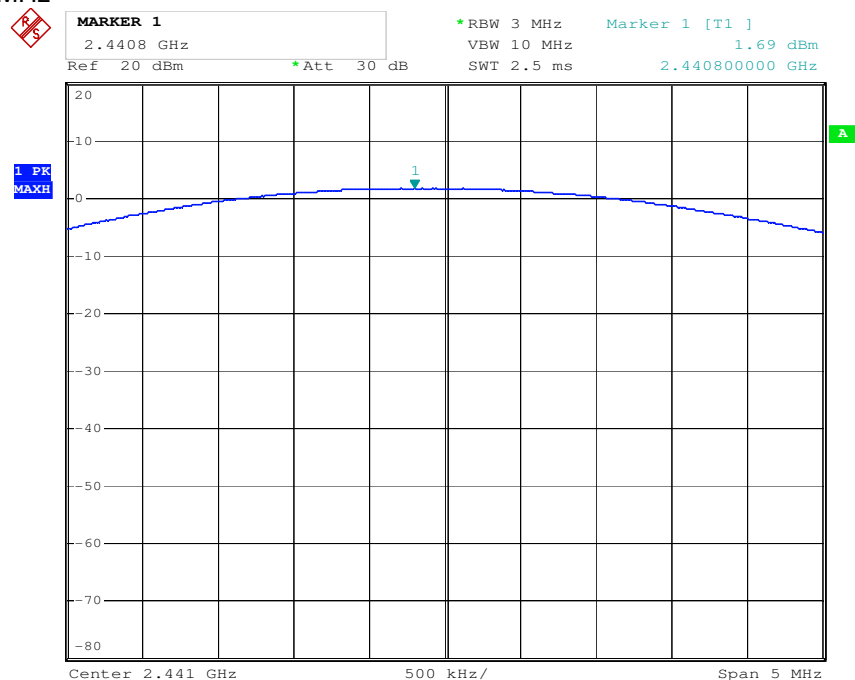
Peak Output Power

Modulation: GFSK
Tx frequency: 2402MHz



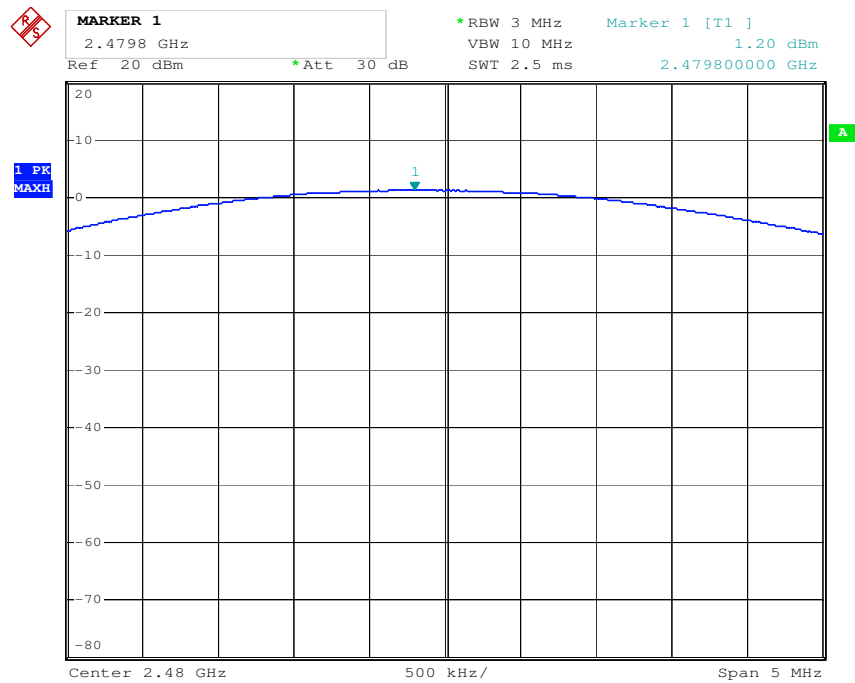
Date: 30.SEP.2009 16:50:15

Modulation: GFSK
Tx frequency: 2441MHz



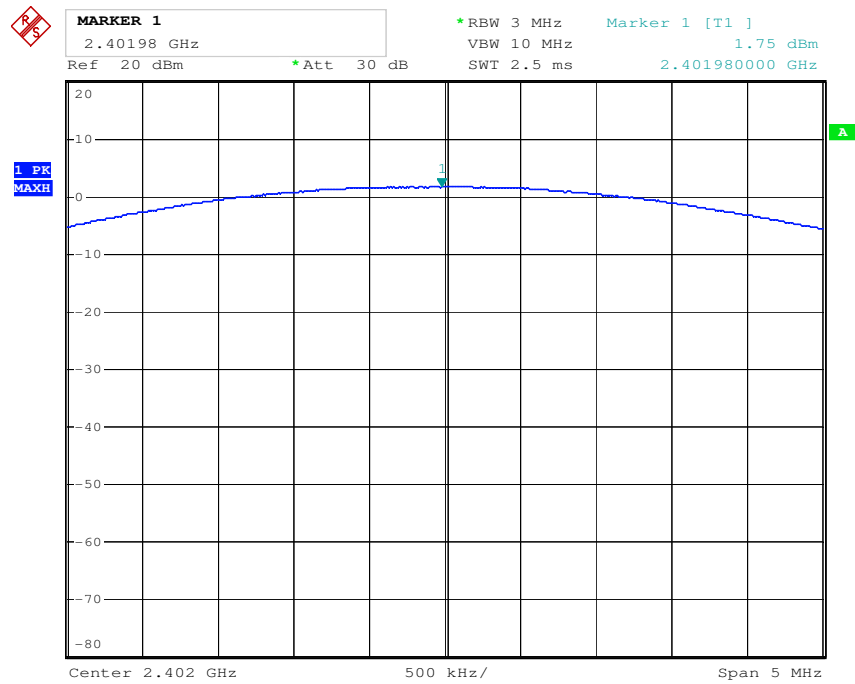
Date: 30.SEP.2009 16:46:35

Modulation: GFSK
Tx frequency: 2480MHz



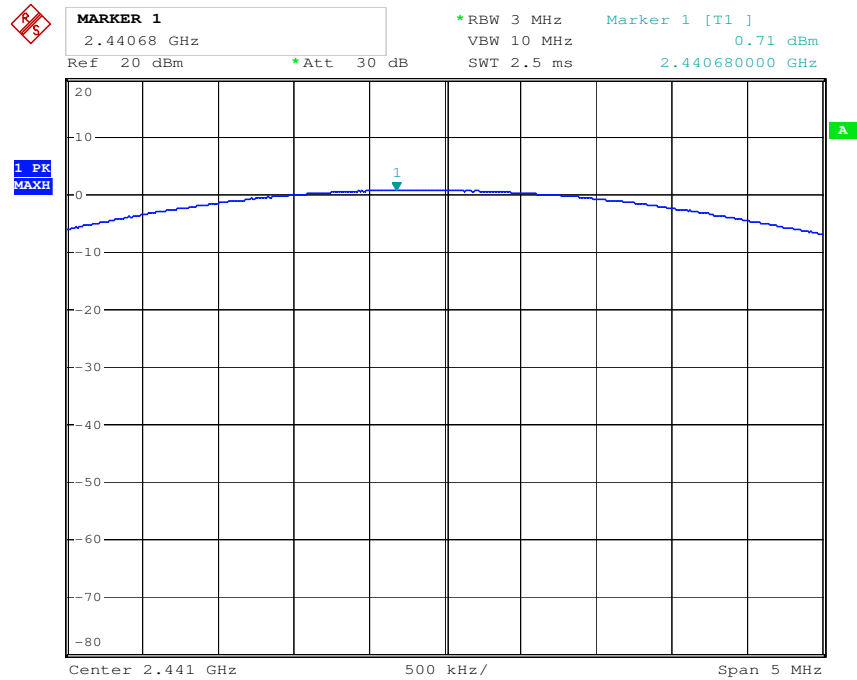
Date: 30.SEP.2009 16:45:52

Modulation: Pi/4 DQPSK
Tx frequency: 2402MHz



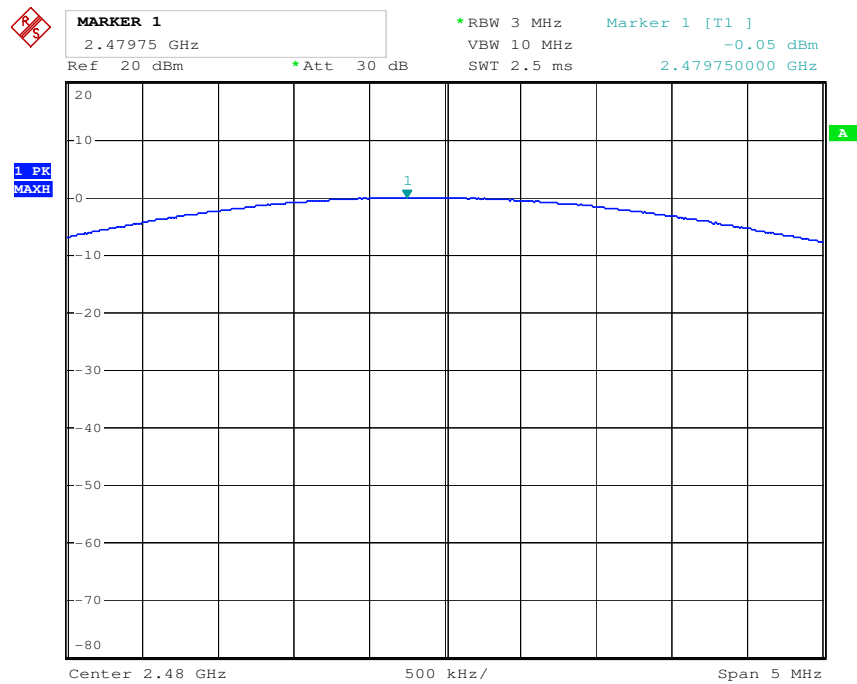
Date: 30.SEP.2009 16:49:22

Modulation: Pi/4 DQPSK
Tx frequency: 2441MHz



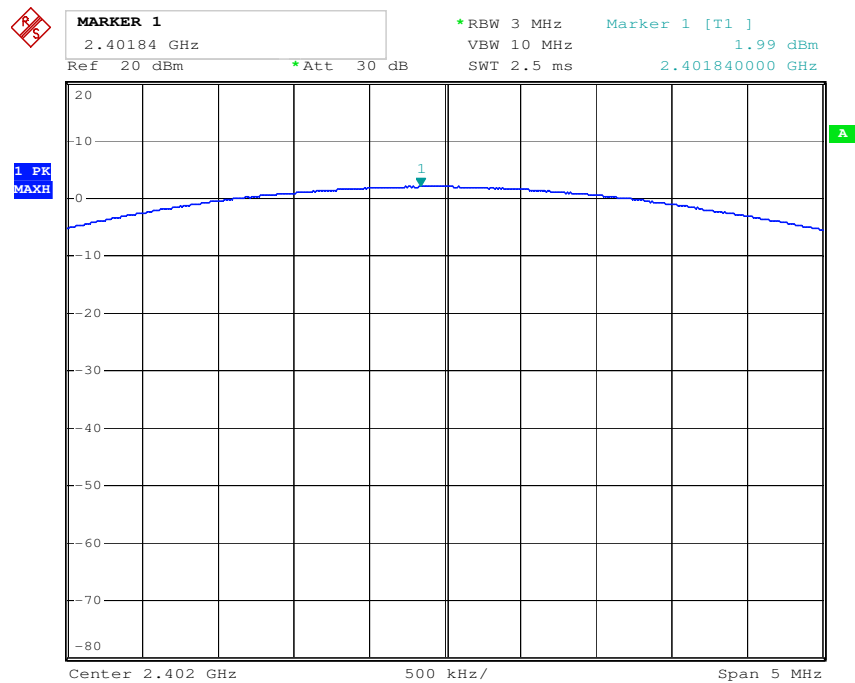
Date: 30.SEP.2009 16:47:25

Modulation: Pi/4 DQPSK
Tx frequency: 2480MHz



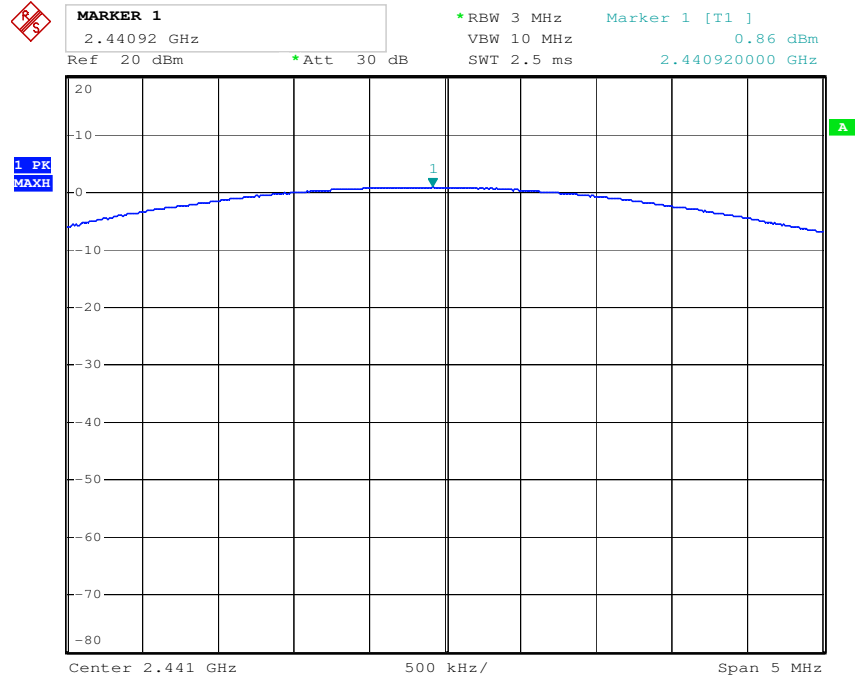
Date: 30.SEP.2009 16:45:05

Modulation: 8 DPSK
Tx frequency: 2402MHz



Date: 30.SEP.2009 16:48:43

Modulation: 8 DPSK
Tx frequency: 2441MHz



Date: 30.SEP.2009 16:47:54

Modulation: 8 DPSK
Tx frequency: 2480MHz

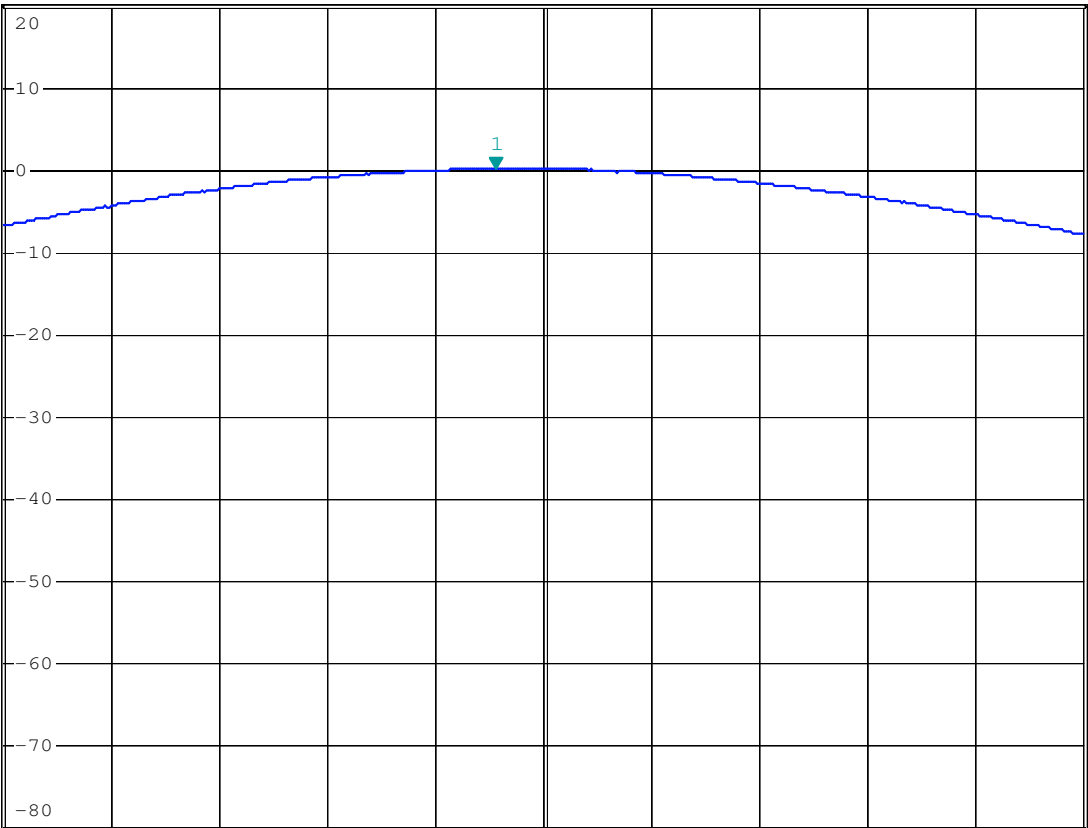


MARKER 1
2.47978 GHz

*RBW 3 MHz Marker 1 [T1]
VBW 10 MHz 0.22 dBm
SWT 2.5 ms 2.479780000 GHz

Ref 20 dBm *Att 30 dB

1 PK
MAXH

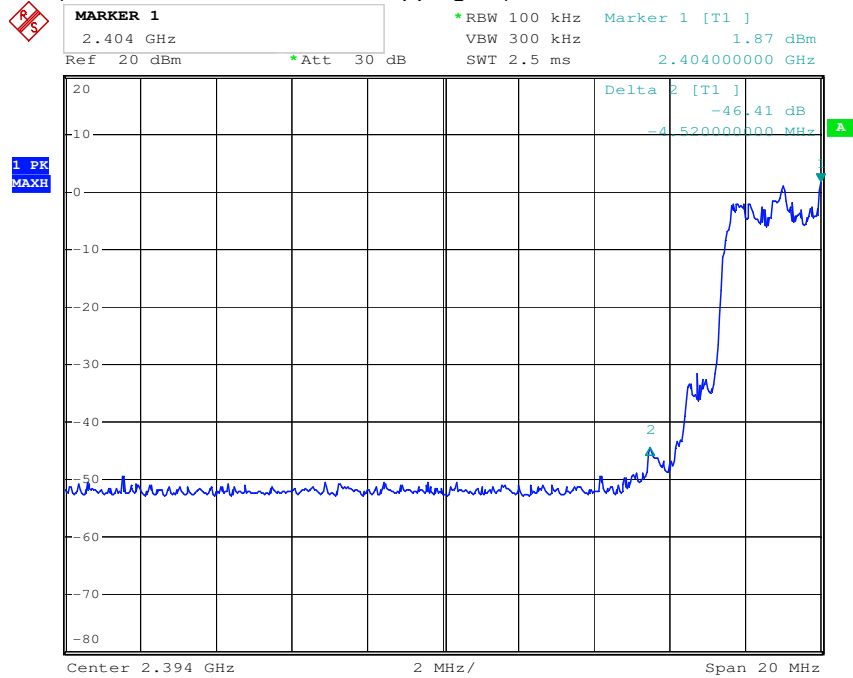


Center 2.48 GHz 500 kHz/ Span 5 MHz

Date: 30.SEP.2009 16:43:36

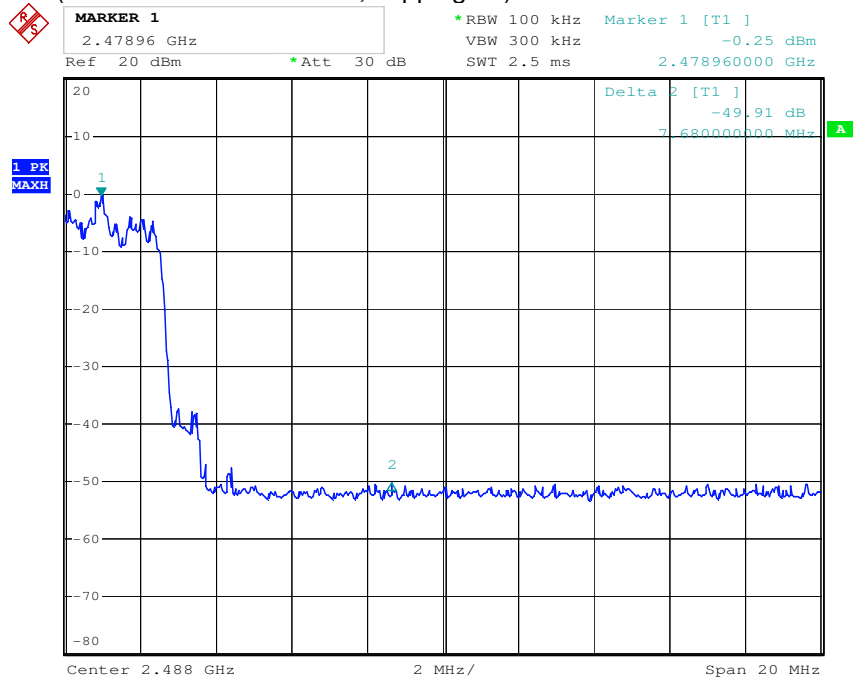
Band Edge Compliance

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



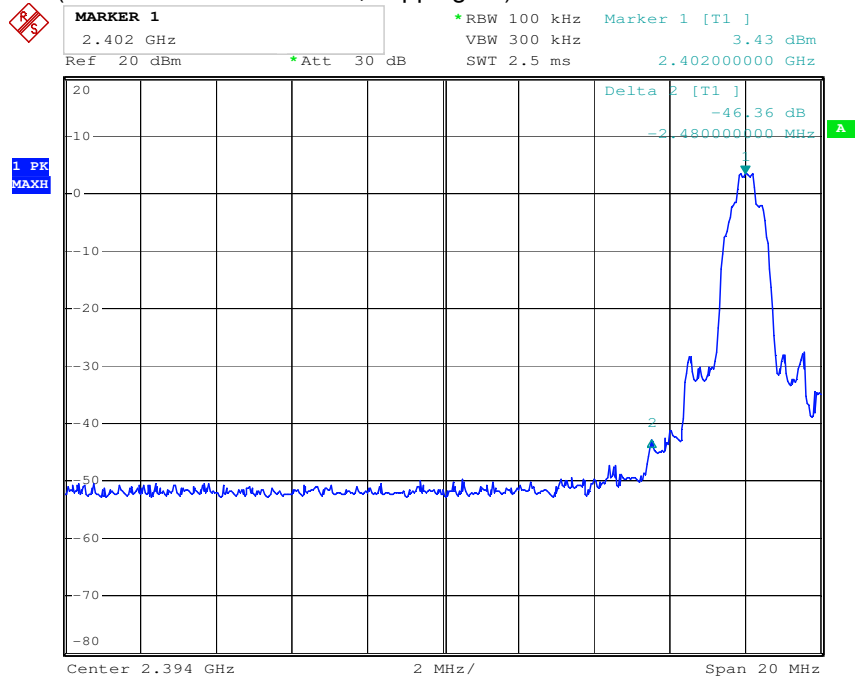
Date: 30.SEP.2009 16:56:55

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



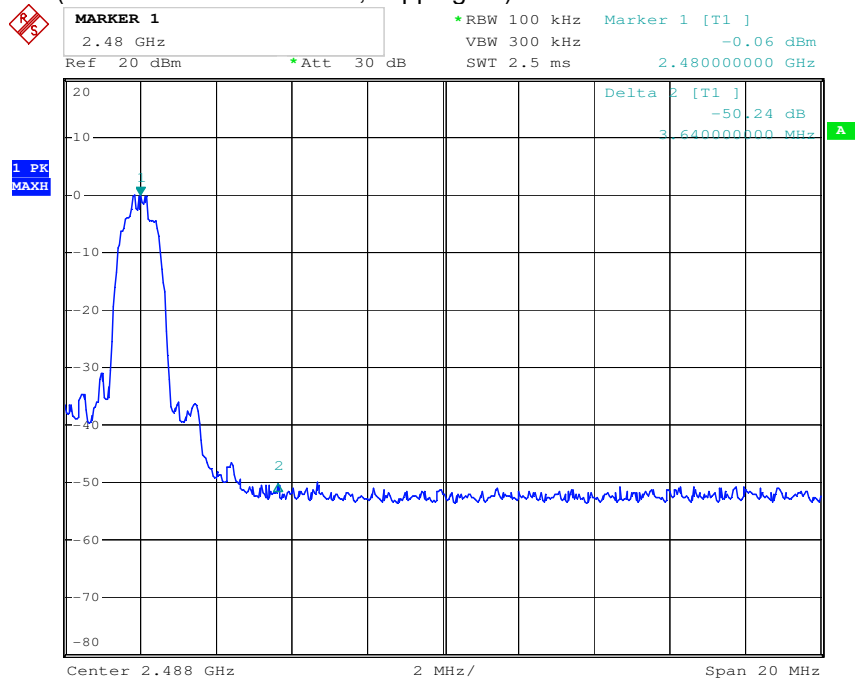
Date: 30.SEP.2009 16:59:35

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



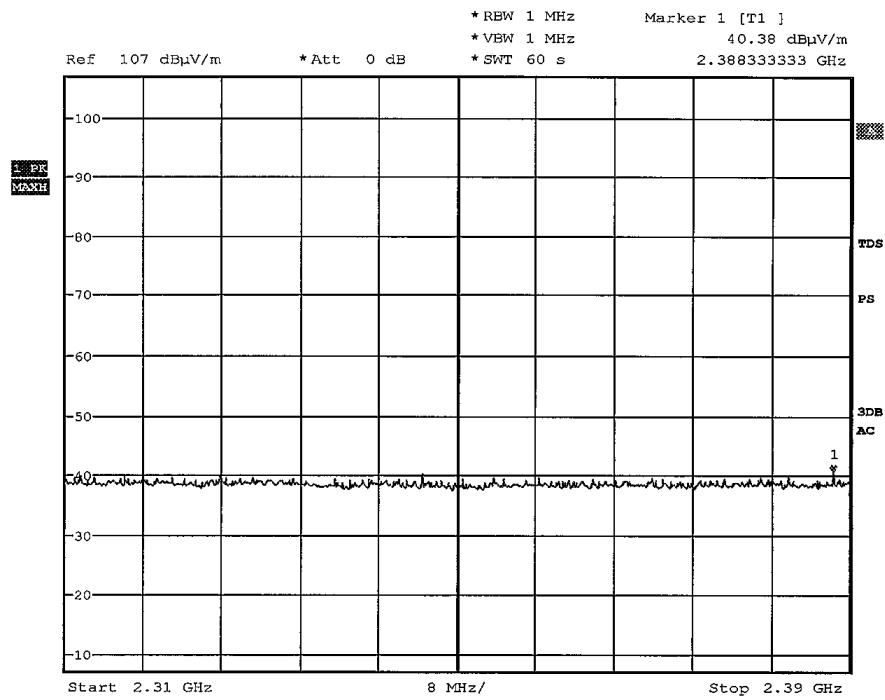
Date: 30.SEP.2009 16:54:27

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

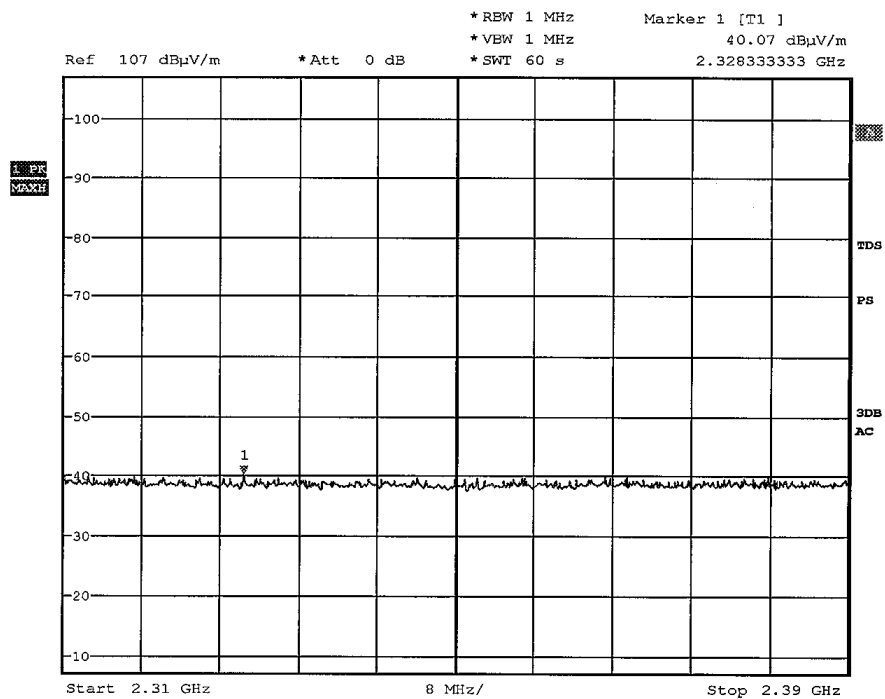


Date: 30.SEP.2009 17:01:16

Tx frequency: 2402MHz (radiated measurement)



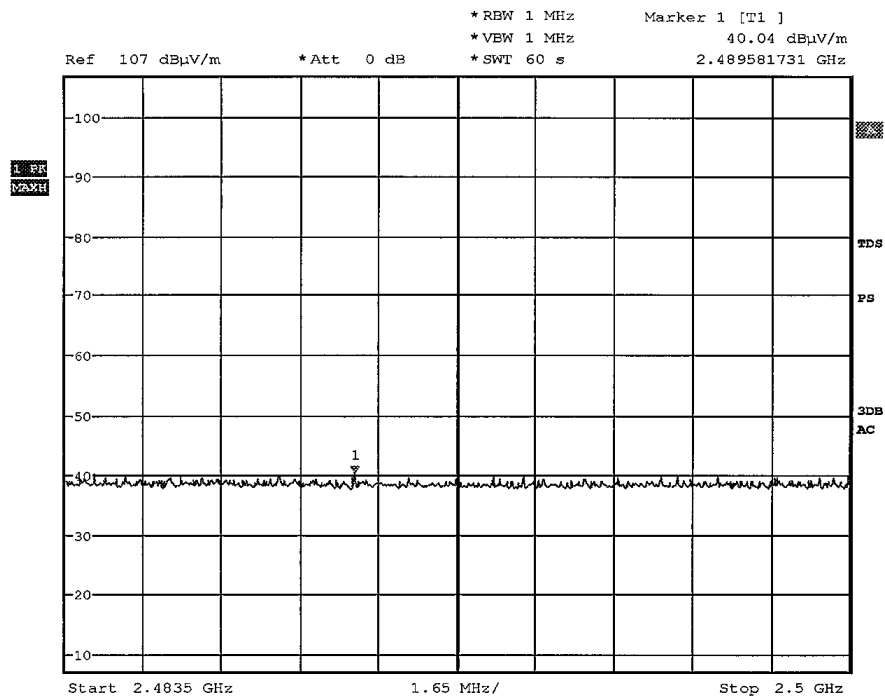
AVANTAVE / RHA200/ 00090929100/ VERT. /2402MHz
Date: 6.OCT.2009 11:23:34



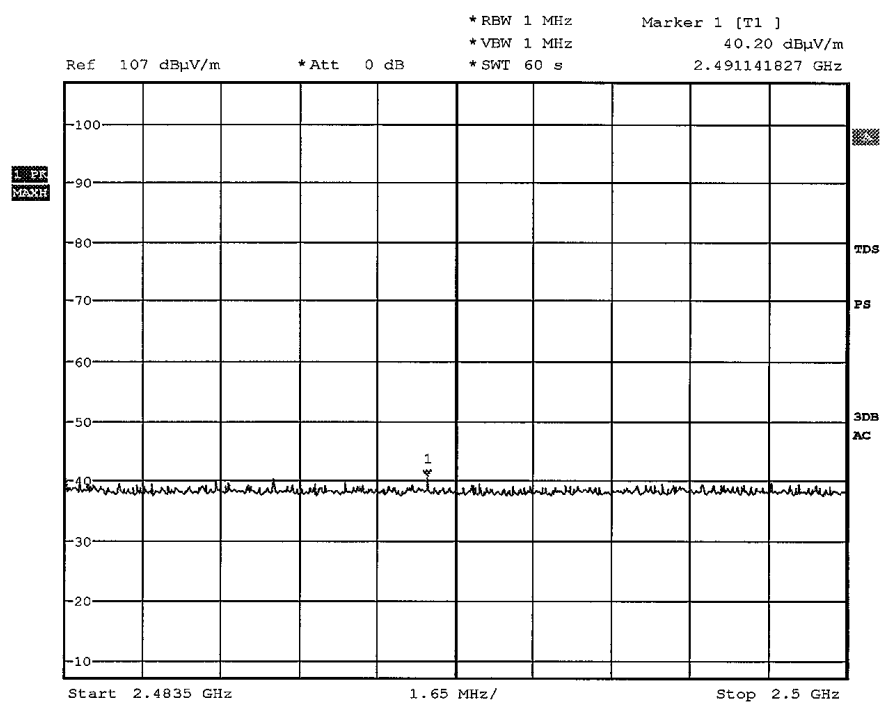
AVANTAVE / RHA200/ 00090929100/ HORI. /2402MHz

Date: 6.OCT.2009 11:22:05

Tx frequency: 2480MHz (radiated measurement)



AVANTAVE / RHA200/ 00090929100/ VERT. /2480MHz
Date: 6.OCT.2009 11:48:32

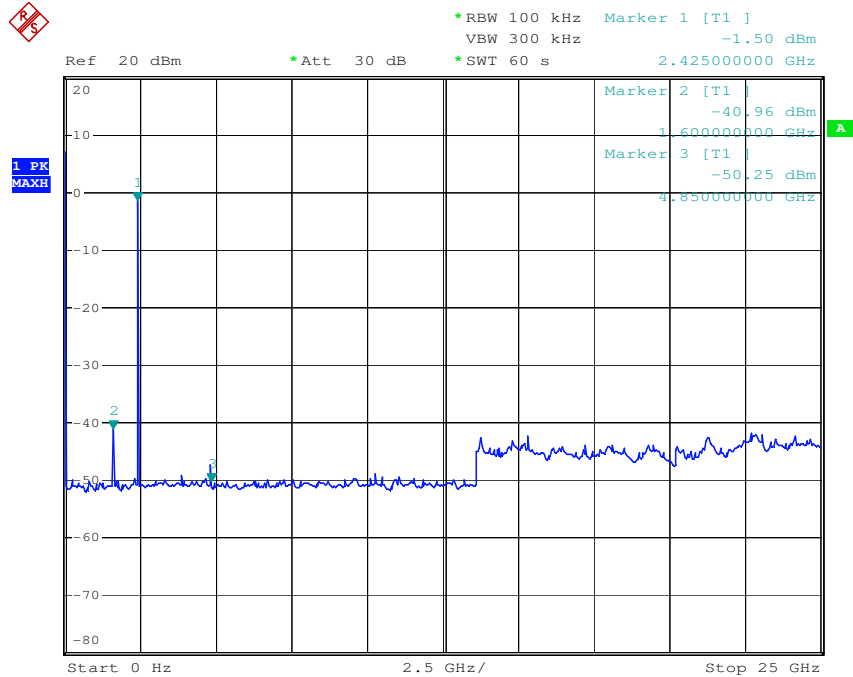


AVANTAVE / RHA200/ 00090929100/ HORI. /2480MHz

Date: 6.OCT.2009 11:49:45

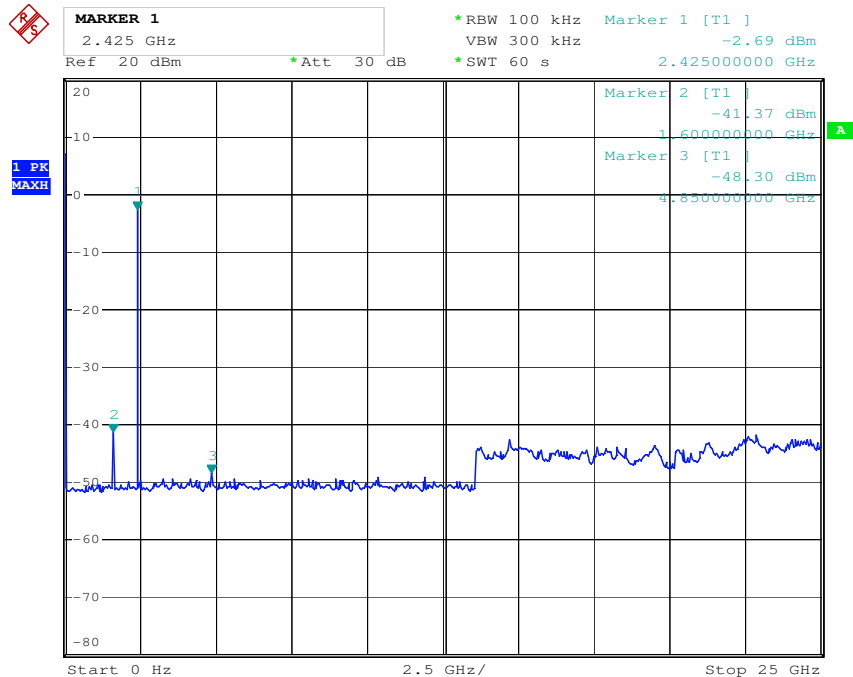
Spurious Emissions - Conducted

Tx frequency: 2402MHz



Date: 30.SEP.2009 17:57:18

Tx frequency: 2441MHz



Date: 30.SEP.2009 17:54:43

Tx frequency: 2480MHz



MARKER 1

2.475 GHz

Ref 20 dBm

*Att 30 dB

*RBW 100 kHz

VBW 300 kHz

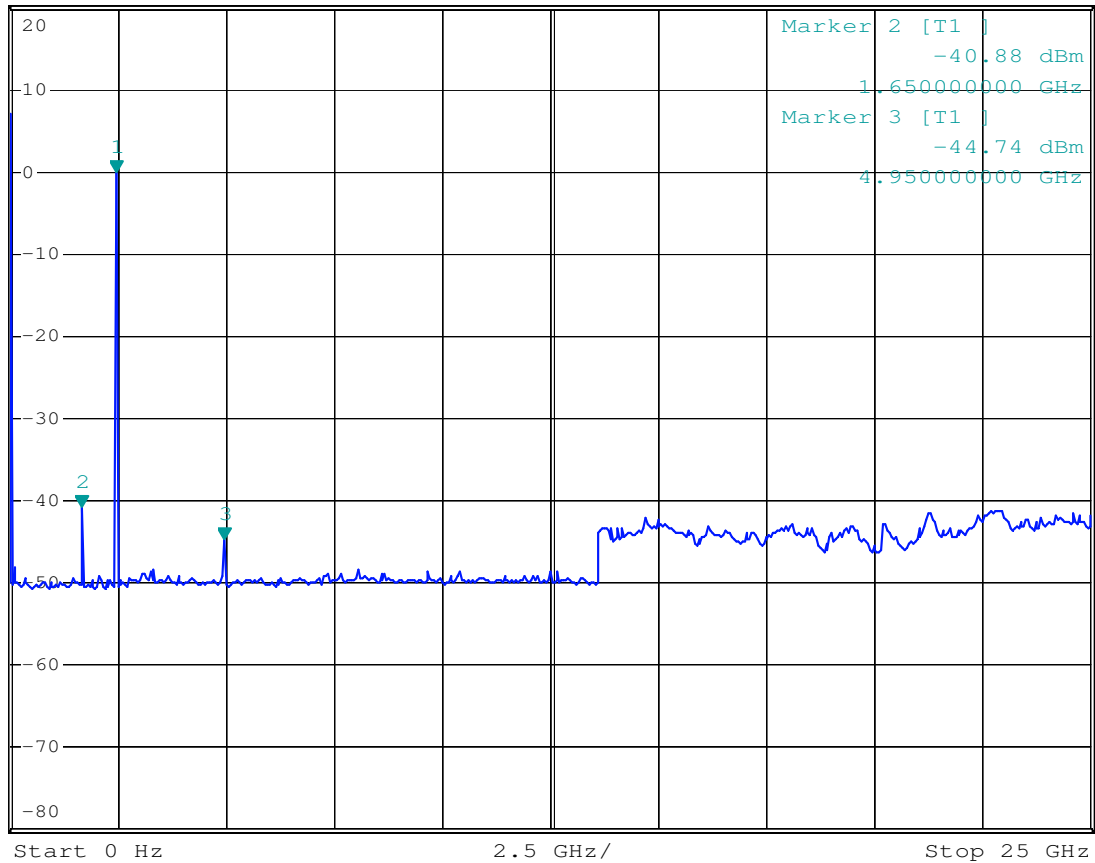
*SWT 60 s

Marker 1 [T1]

-0.19 dBm

2.475000000 GHz

1 PK
MAXH



Date: 30.SEP.2009 17:51:48