

# **Appendix 1**

## **Test Results**

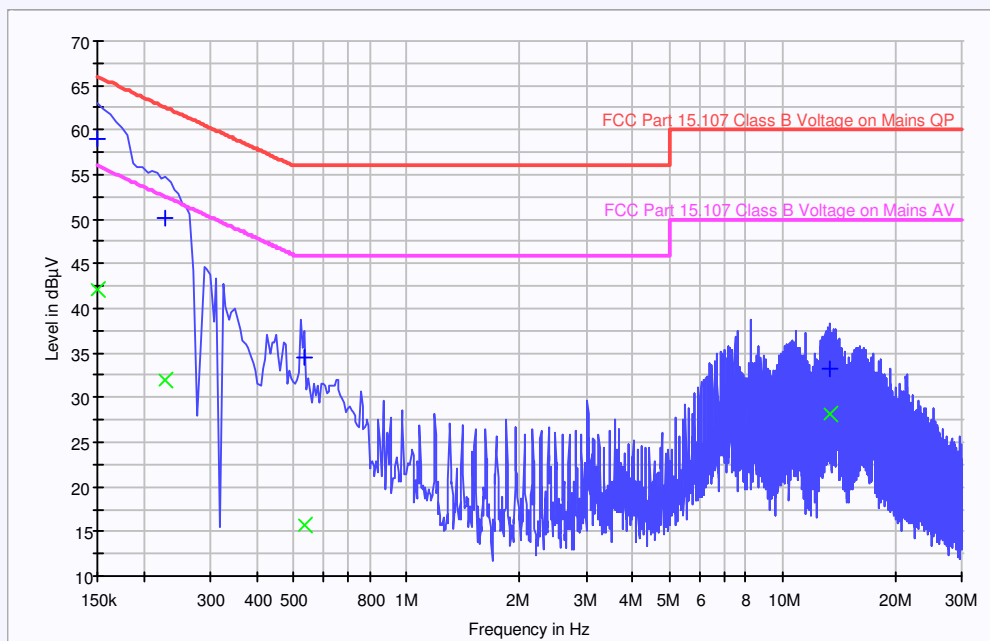
## Disturbance Voltage on AC Mains

# Continuous Disturbance

### Test Information

EUT Name:	Wireless Bluetooth Airmouse
Serial Number:	V908354 (00131127146-012)
Test Description:	FCC Part 15 Class B
Operating Conditions:	Charging + Transmitting
Comment:	120V 60Hz
Description	CE L1

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



### Result Table Single

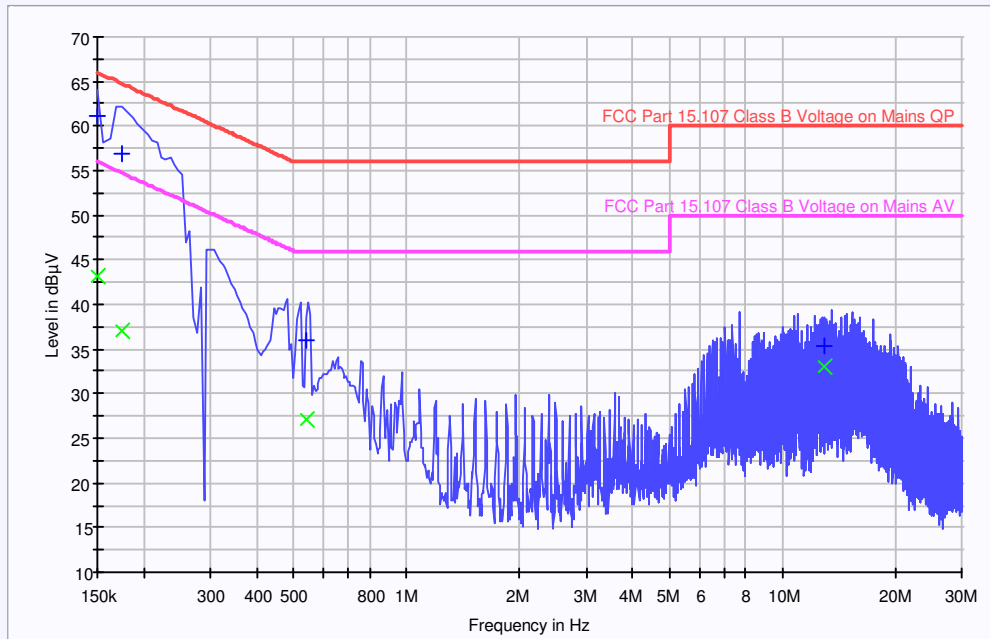
Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)
0.150000	59.0	42.2
0.228000	50.1	32.0
0.534000	34.6	15.8
13.428000	33.2	28.3

## Continuous Disturbance

### Test Information

EUT Name:	Wireless Bluetooth Airmouse
Serial Number:	V908354 (00131127146-012)
Test Description:	FCC Part 15 Class B
Operating Conditions:	Charging + Transmitting
Comment:	120V 60Hz
Description	CE N

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

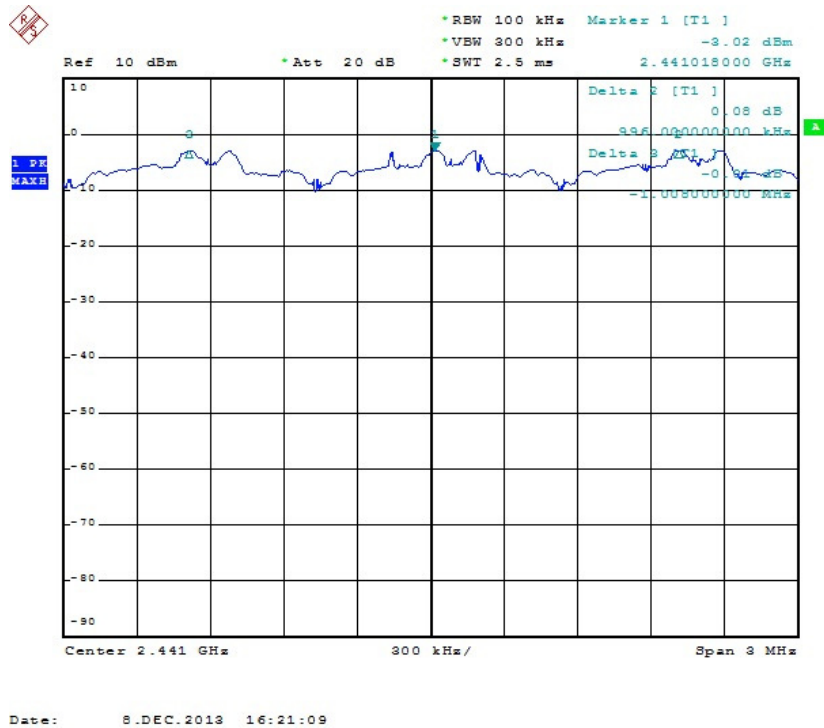


### Result Table Single

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)
0.150000	61.2	43.3
0.174000	56.9	37.0
0.542750	35.9	27.1
12.900250	35.3	33.0

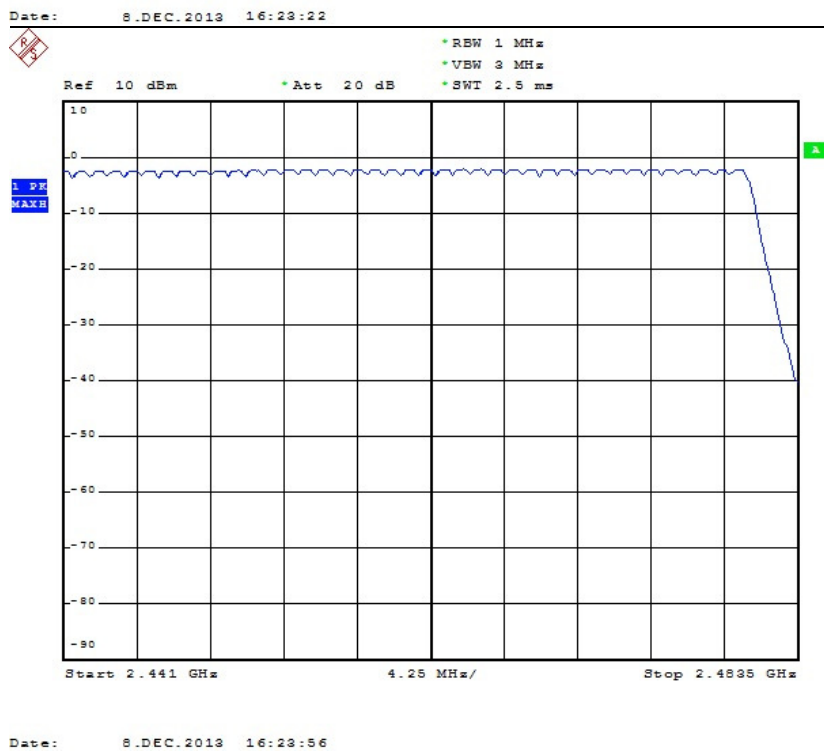
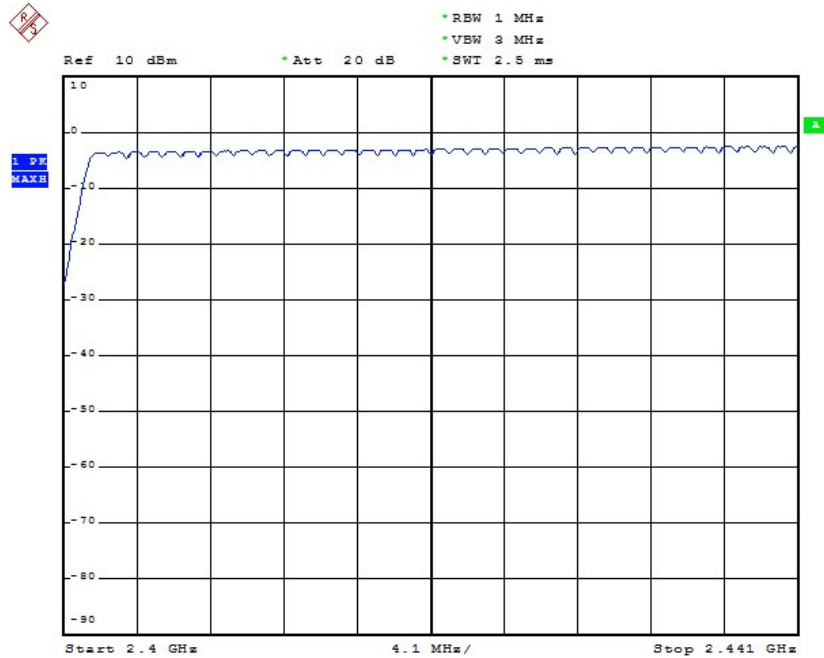
## Carrier Frequency Separation

### 8 DPSK



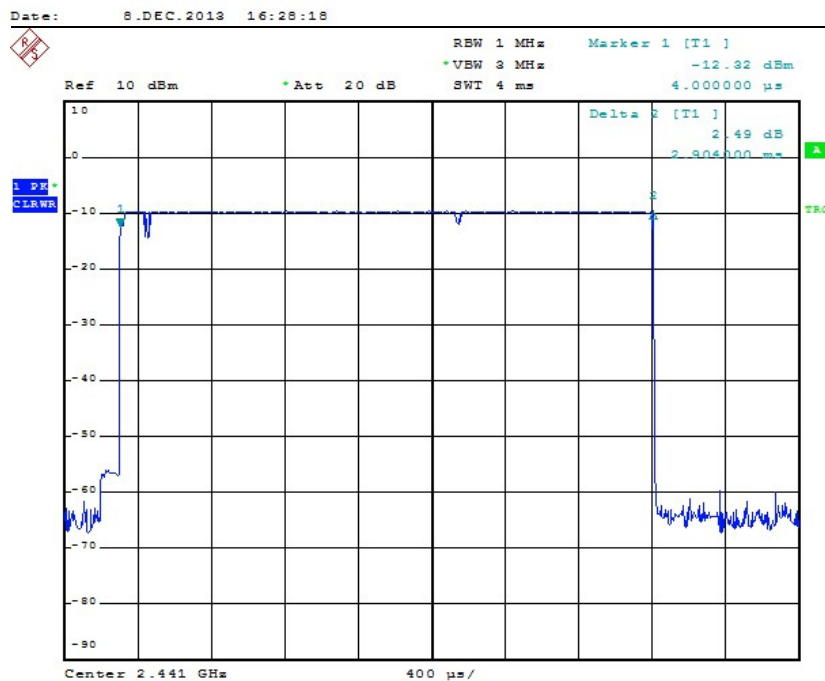
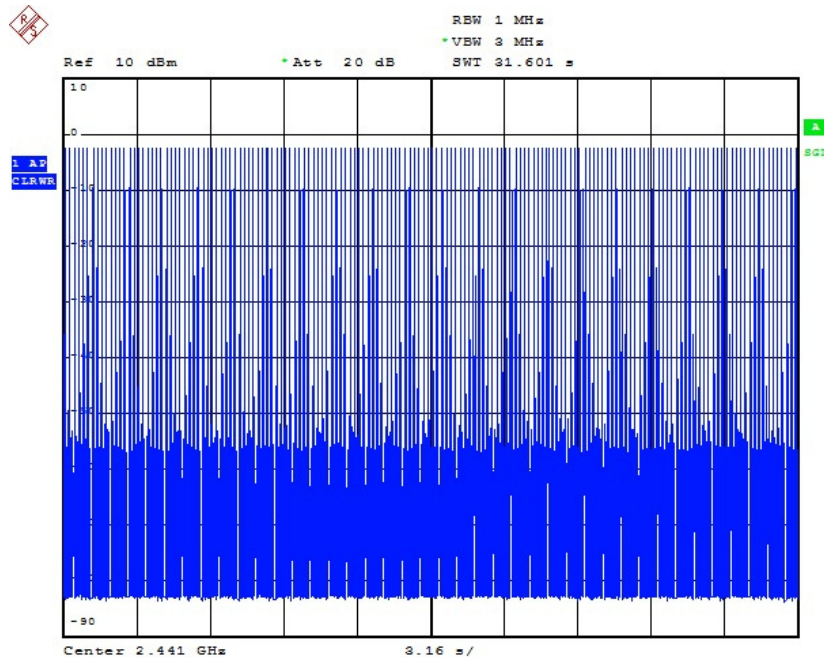
## Number of hopping channels

GFSK



## Dwell Time

GFSK

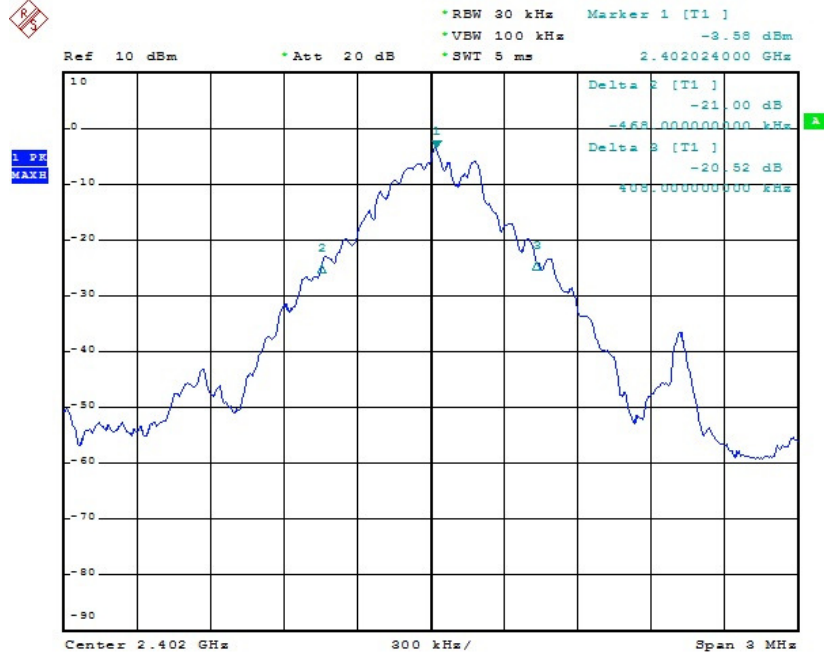


Date: 8.DEC.2013 16:32:43

## 20dB Bandwidth

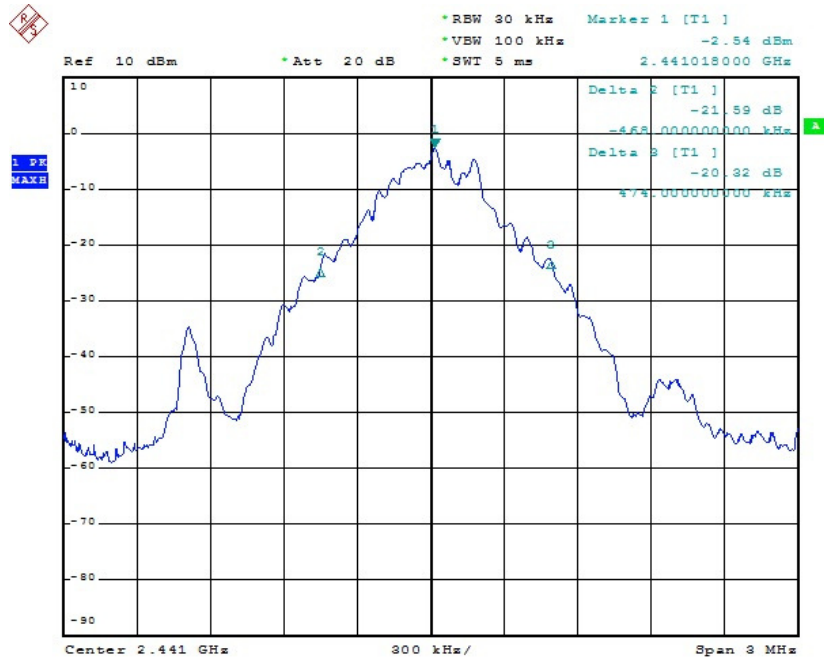
GFSK

Tx frequency: 2402MHz



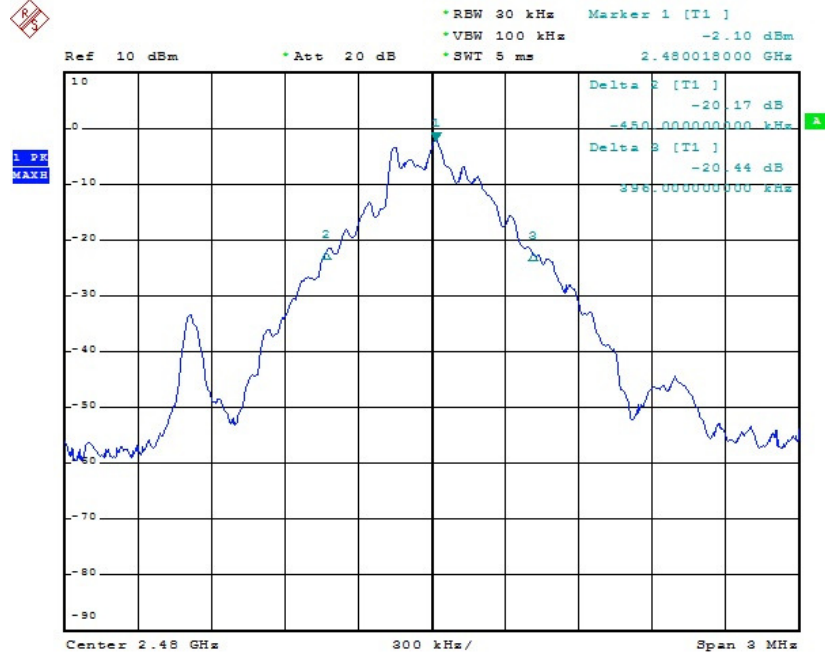
Date: 8.DEC.2013 15:44:00

Tx frequency: 2441MHz



Date: 8.DEC.2013 15:48:19

Tx frequency: 2480MHz

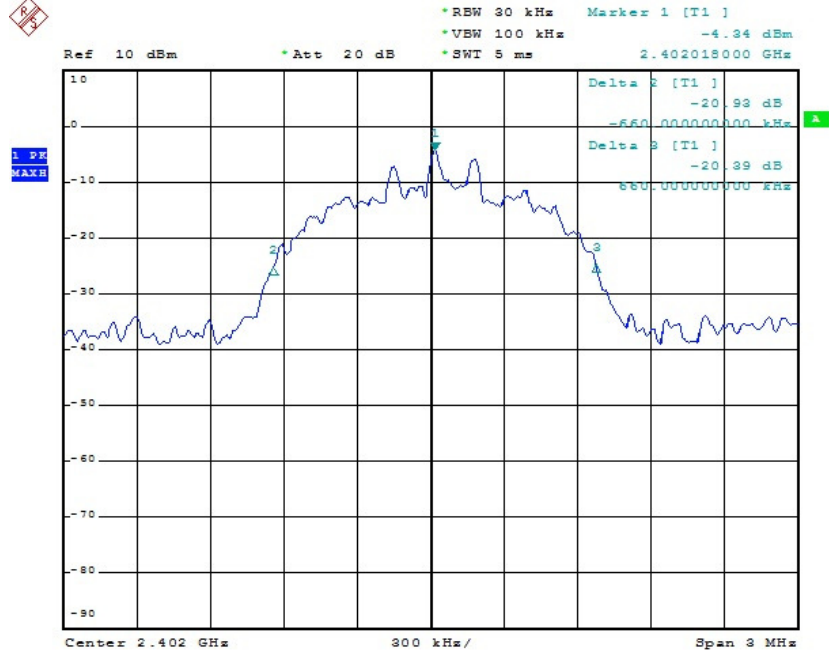


Date: 8.DEC.2013 15:52:05



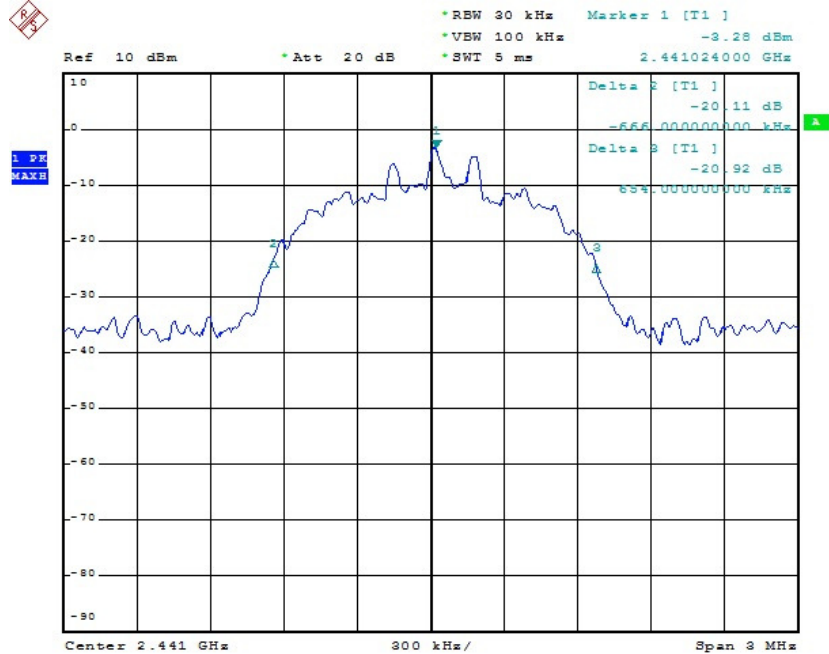
www.tuv.com

8 DPSK  
Tx frequency: 2402MHz



Date: 8.DEC.2013 15:47:09

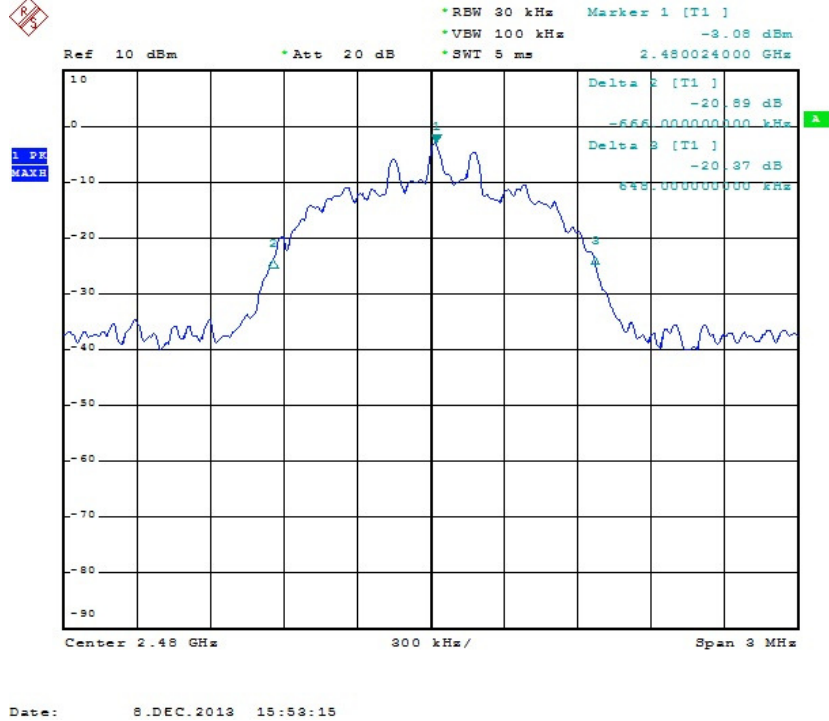
Tx frequency: 2441MHz



Date: 8.DEC.2013 15:50:28

www.tuv.com

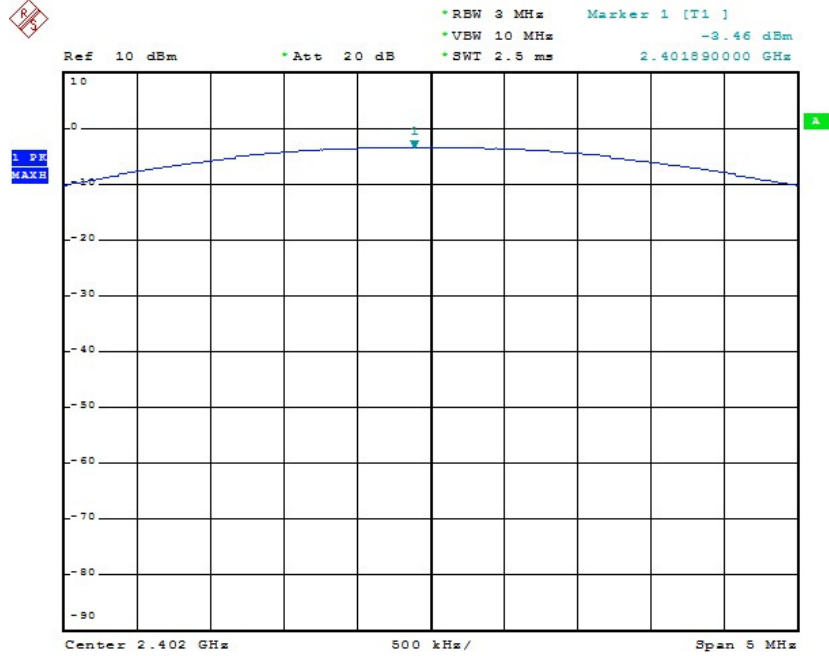
8 DPSK  
Tx frequency: 2480MHz



## Peak Output Power

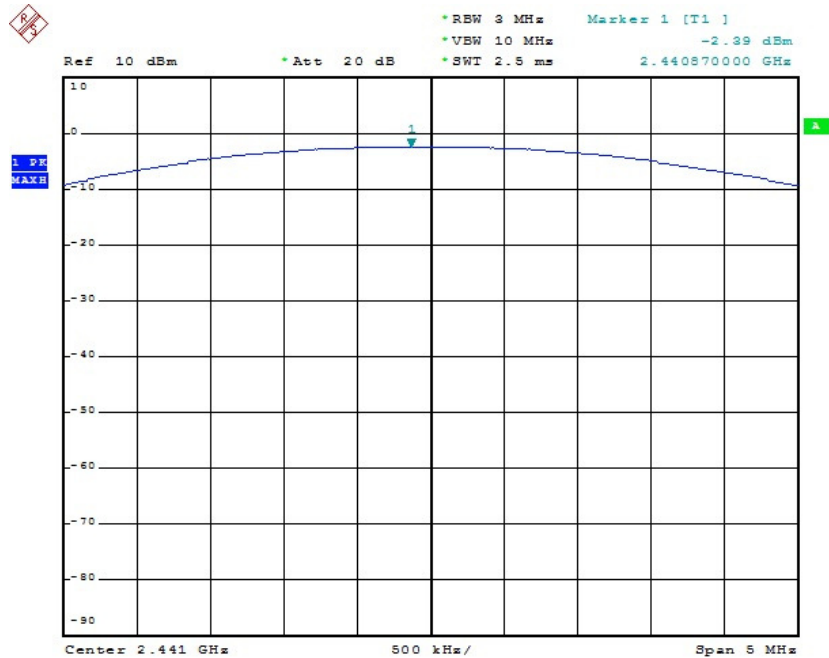
GFSK

Tx frequency: 2402MHz



Date: 8.DEC.2013 15:55:22

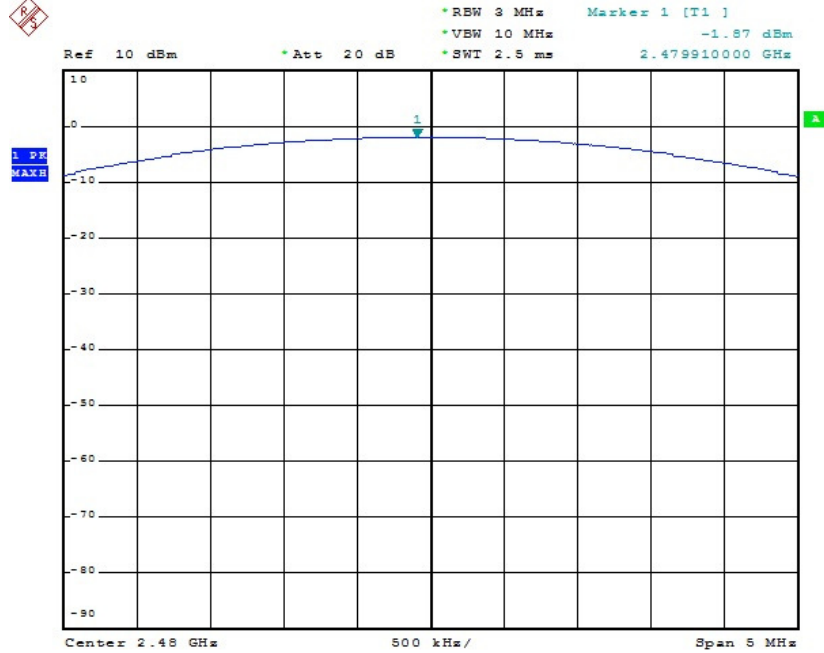
Tx frequency: 2441MHz



Date: 8.DEC.2013 15:56:24

www.tuv.com

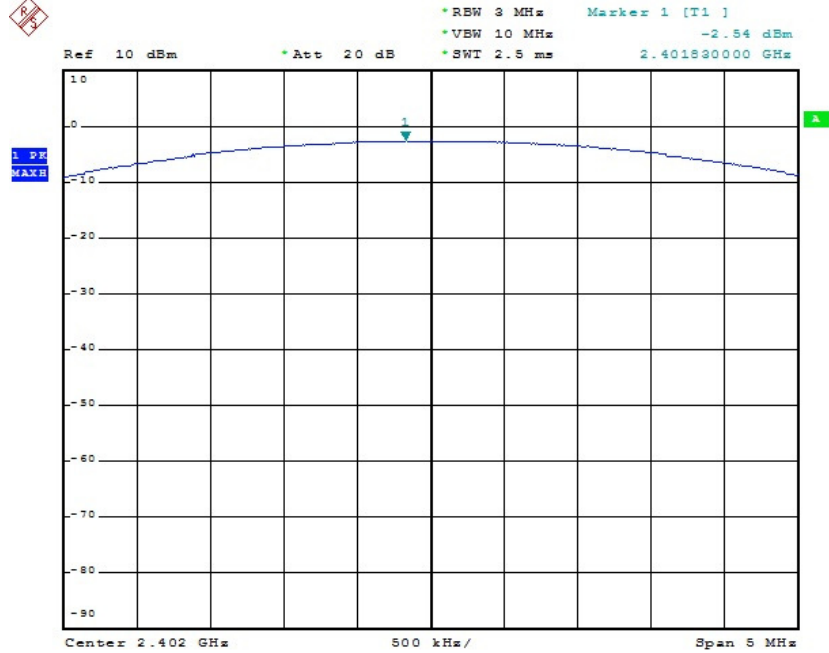
GFSK  
Tx frequency: 2480MHz



Date: 8.DEC.2013 15:57:10

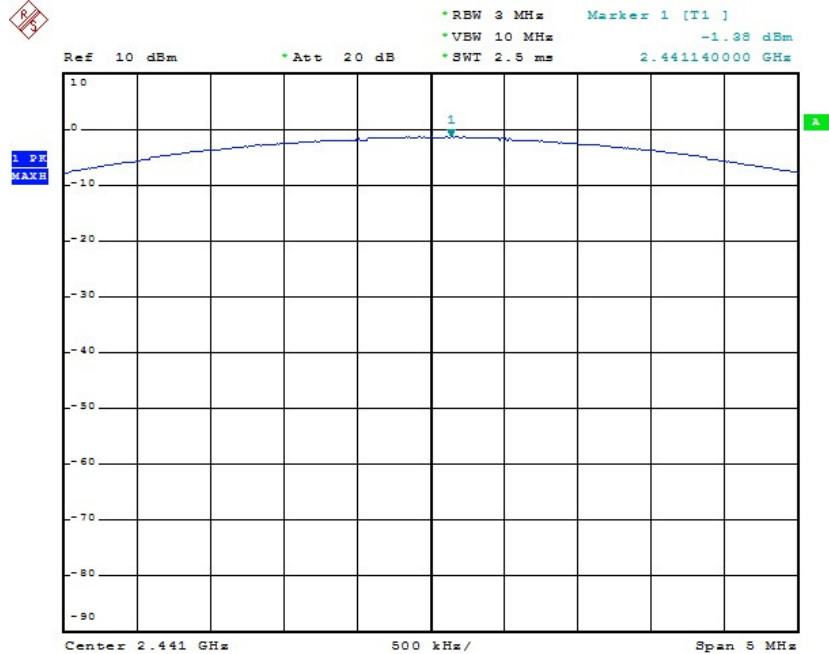
www.tuv.com

Pi/4 DQPSK  
Tx frequency: 2402MHz



Date: 8.DEC.2013 16:01:54

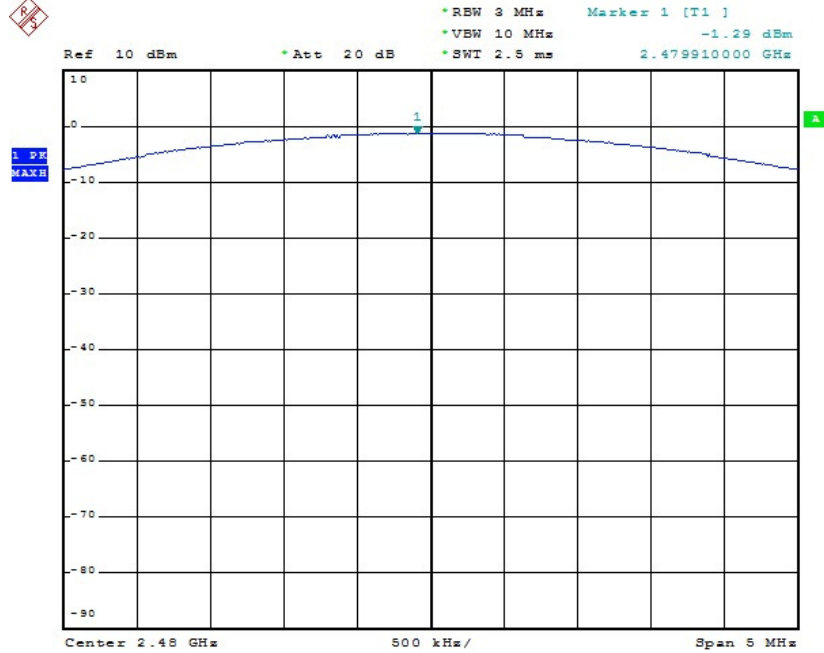
Tx frequency: 2441MHz



Date: 8.DEC.2013 16:02:44

www.tuv.com

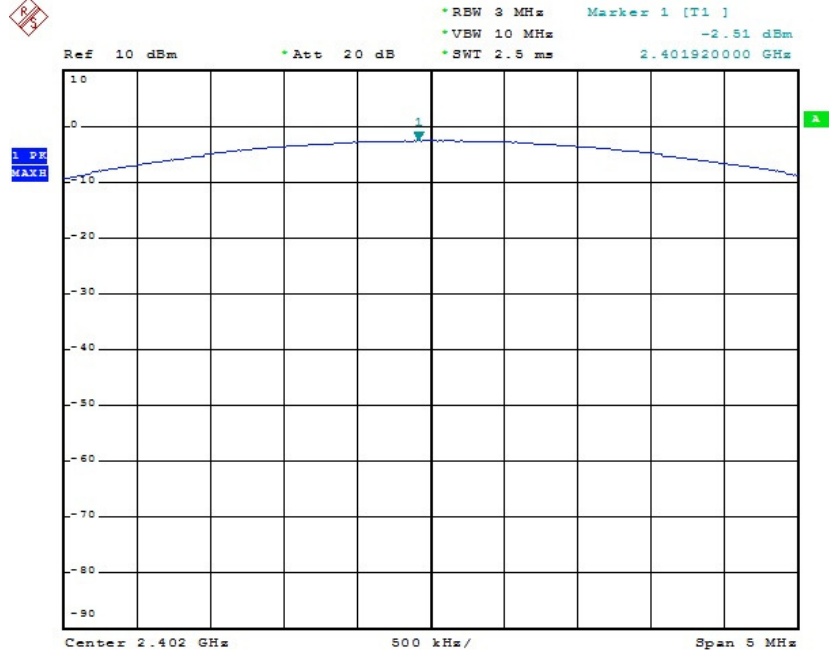
Pi/4 DQPSK  
Tx frequency: 2480MHz



Date: 8.DEC.2013 16:04:00

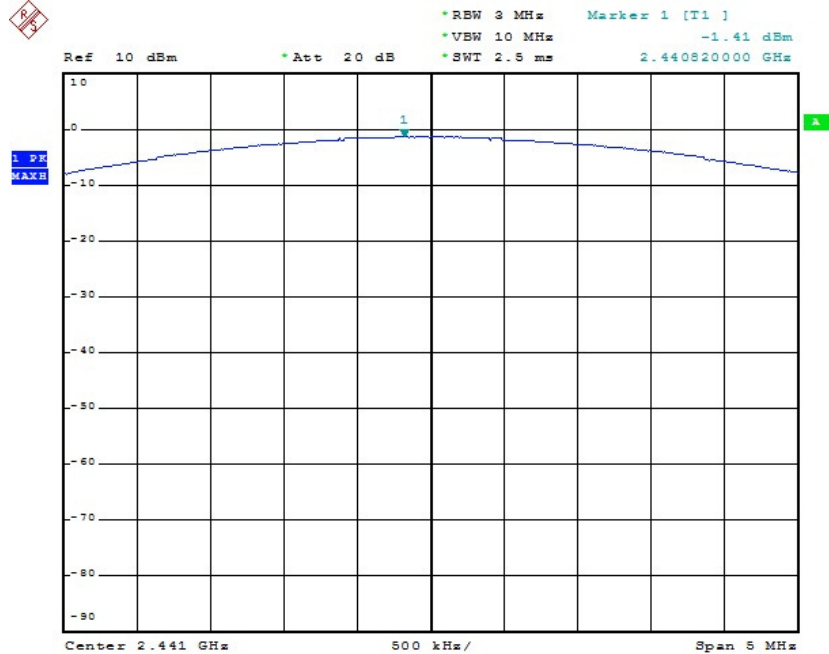
www.tuv.com

8 DPSK  
Tx frequency: 2402MHz



Date: 8.DEC.2013 16:05:15

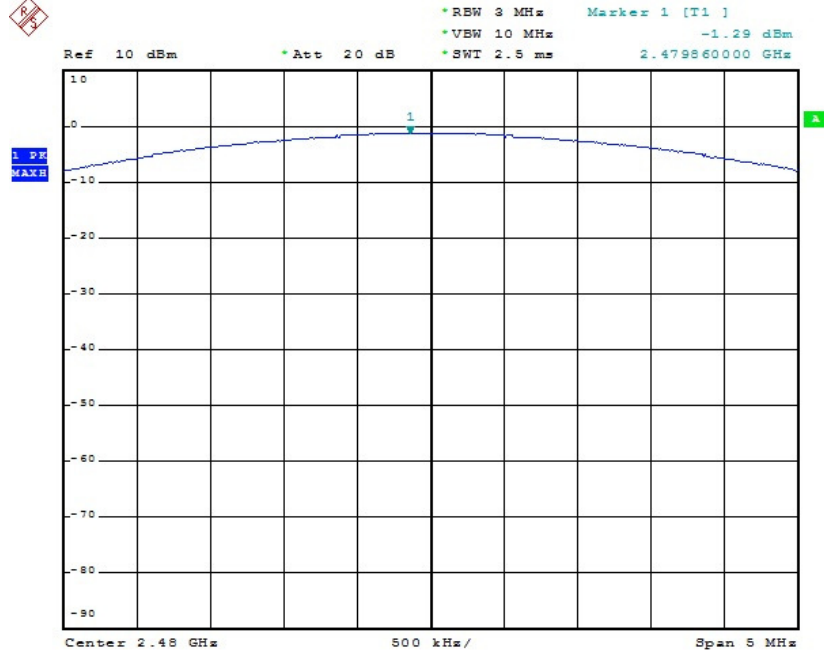
Tx frequency: 2441MHz



Date: 8.DEC.2013 16:05:57

www.tuv.com

8 DPSK  
Tx frequency: 2480MHz



Date: 8.DEC.2013 16:06:35



## Band Edge Compliance

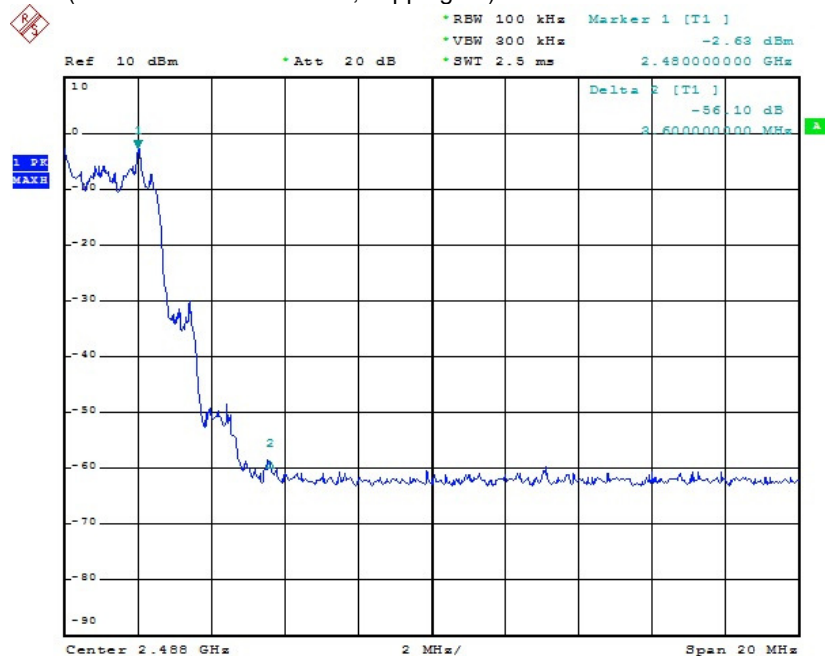
GFSK

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



Date: 8.DEC.2013 16:11:34

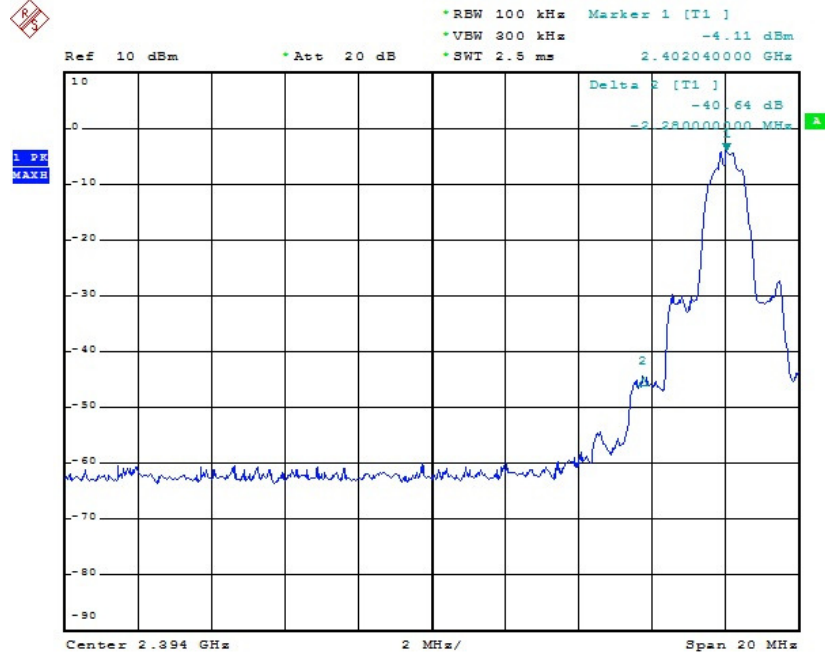
Tx frequency: 2480MHz (conducted measurement; hopping on)



Date: 8.DEC.2013 16:13:33

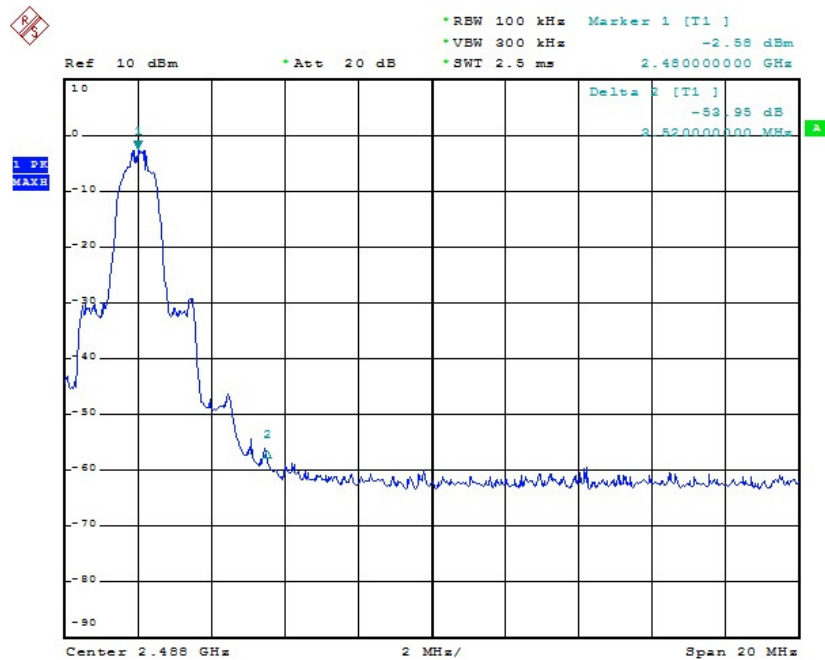
GFSK

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



Date: 8.DEC.2013 16:15:10

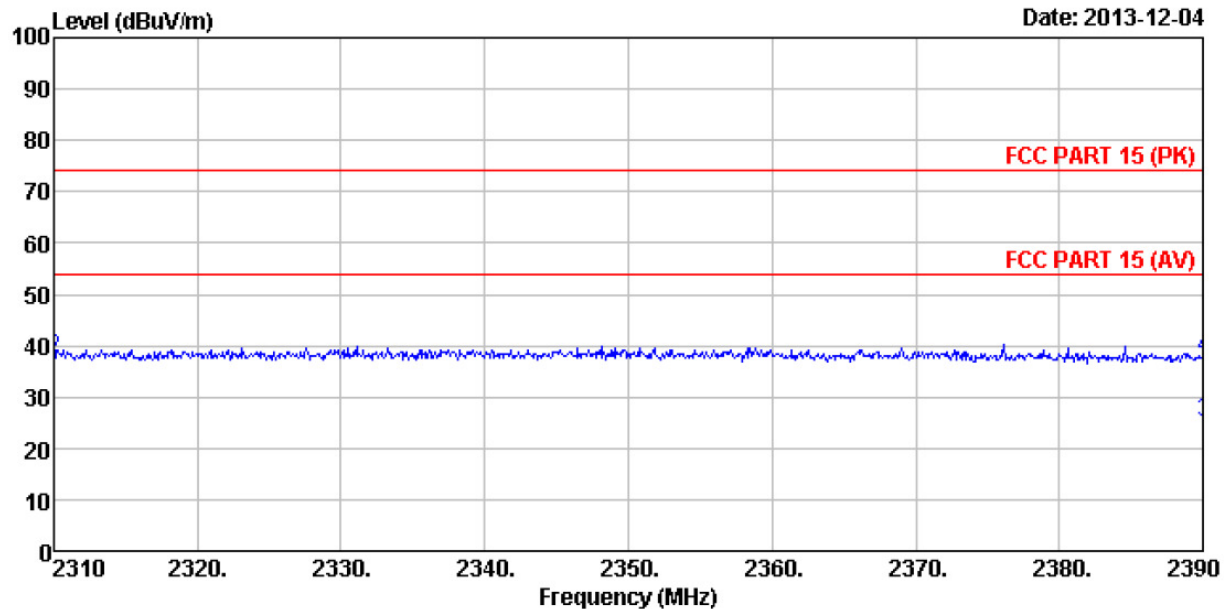
Tx frequency: 2480MHz (conducted measurement; hopping off)



Date: 8.DEC.2013 16:16:32

Tx frequency: 2402MHz (radiated measurement), GFSK

Vertical Polarization



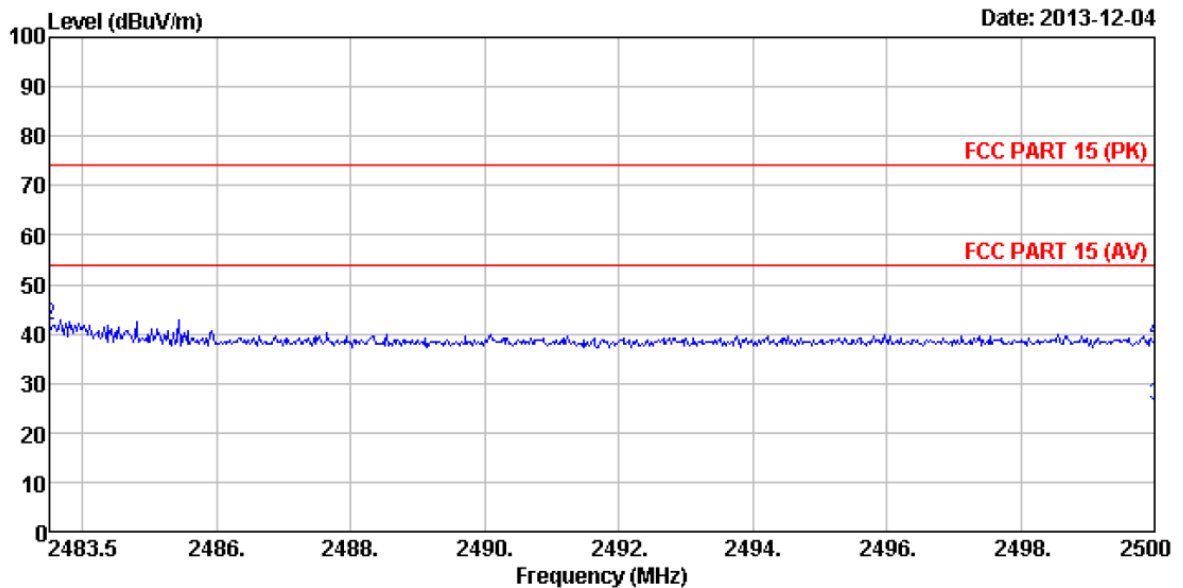
te : 3m chamber  
 ndition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) VERTICAL  
 T : BT Air mouse  
 del No. : Air mouse  
 mple No. : 00131127146-012  
 V Order No: 144009402  
 st Mode : TX on mode  
 mark : 2402MHz

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	2310.000	25.42	27.91	5.30	34.11	24.52	54.00	-29.48 Average
2	2310.000	38.53	27.91	5.30	34.11	37.63	74.00	-36.37 Peak
3	2390.000	26.20	27.59	5.38	34.01	25.16	54.00	-28.84 Average
4	2390.000	38.52	27.59	5.38	34.01	37.48	74.00	-36.52 Peak



Tx frequency: 2480MHz (radiated measurement), GFSK

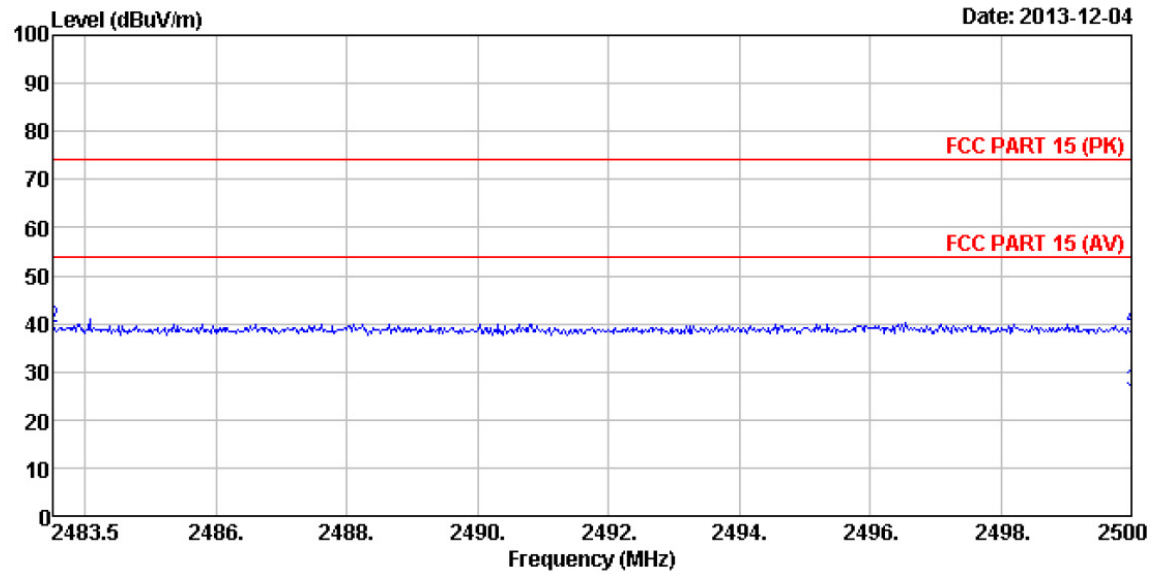
Vertical Polarization



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) VERTICAL  
 EUT : BT Air mouse  
 Model No. : Air mouse  
 Sample No. : 00131127146-012  
 TUV Order No: 144009402  
 Test Mode : TX on mode  
 Remark : 2480MHz

	Read	Antenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	25.91	27.53	5.47	33.92	24.99	54.00	-29.01 Average
2	2483.500	42.46	27.53	5.47	33.92	41.54	74.00	-32.46 Peak
3	2500.000	26.36	27.55	5.49	33.90	25.50	54.00	-28.50 Average
4	2500.000	39.19	27.55	5.49	33.90	38.33	74.00	-35.67 Peak

## Horizontal Polarization

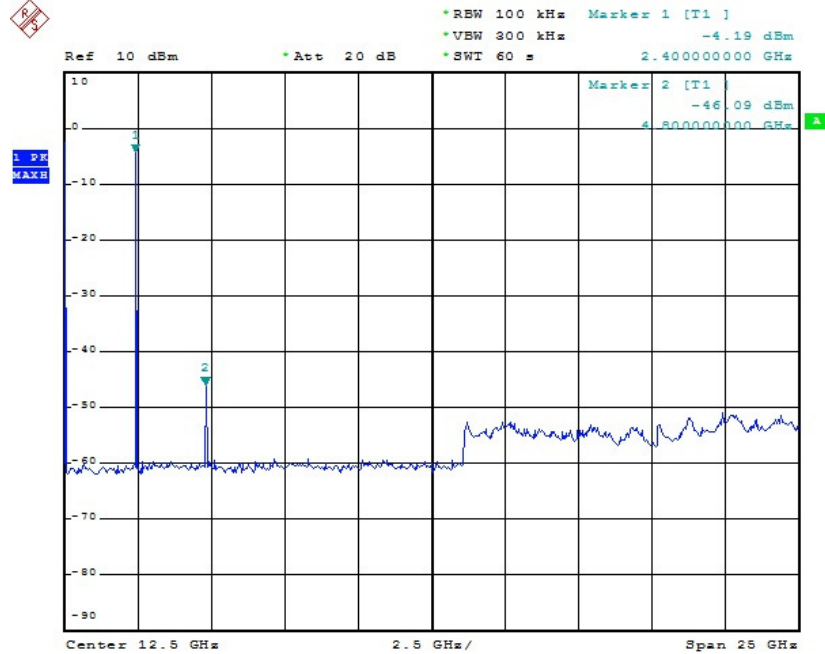


Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120D ANT(>1GHZ) HORIZONTAL  
 EUT : BT Air mouse  
 Model No. : Air mouse  
 Sample No. : 00131127146-012  
 TUV Order No: 144009402  
 Test Mode : TX on mode  
 Remark : 2480MHz

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	25.91	27.53	5.47	33.92	24.99	54.00	-29.01	Average
2	2483.500	40.07	27.53	5.47	33.92	39.15	74.00	-34.85	Peak
3	2500.000	26.54	27.55	5.49	33.90	25.68	54.00	-28.32	Average
4	2500.000	39.44	27.55	5.49	33.90	38.58	74.00	-35.42	Peak

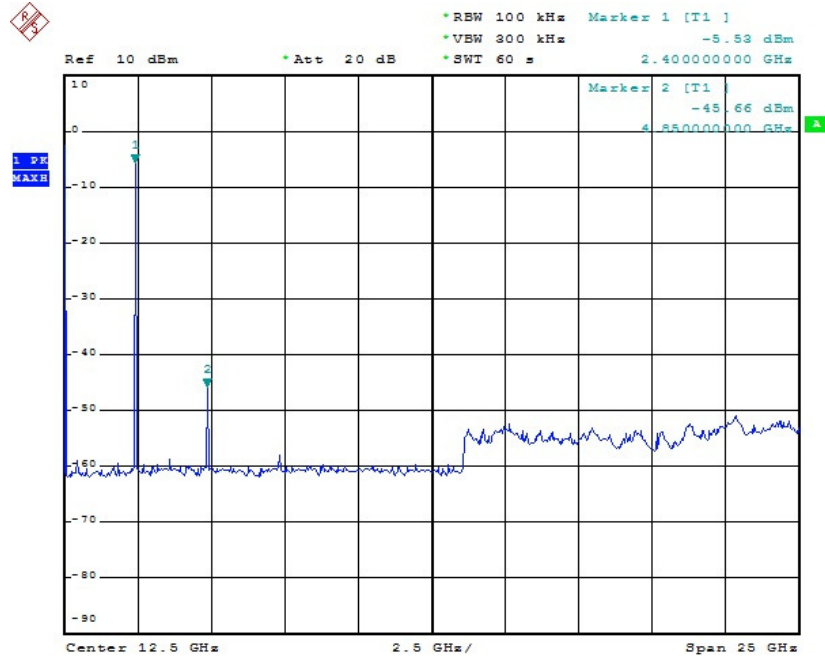
## Spurious Emissions - Conducted

Tx frequency: 2402MHz



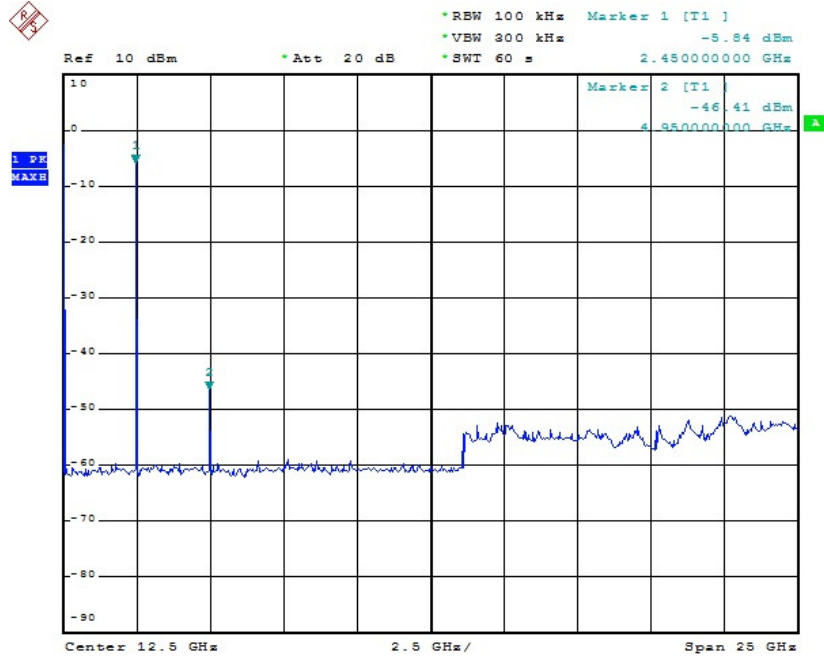
Date: 8.DEC.2013 16:26:42

Tx frequency: 2441MHz



Date: 8.DEC.2013 16:23:00

Tx frequency: 2480MHz



Date: 8.DEC.2013 16:20:01