



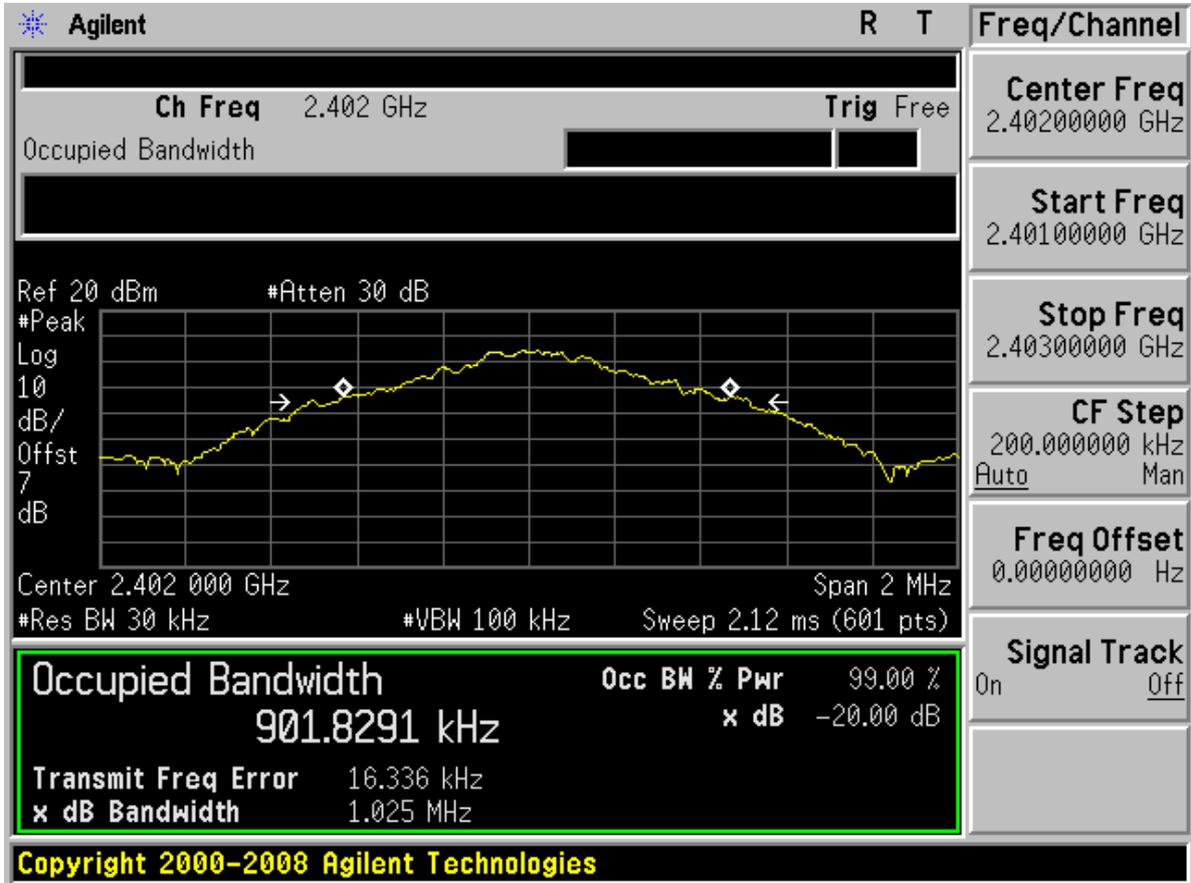
# **Appendix A**

## 20dB bandwidth measurement

According to FCC Part 15.247 (a) (1)



# Channel 0 (2402MHz)





# Channel 40 (2442MHz)

<b>Agilent</b> <span style="float: right;">R T</span>		<b>Freq/Channel</b>	
<b>Ch Freq</b> 2.442 GHz <span style="float: right;"><b>Trig</b> Free</span>		<b>Center Freq</b> 2.44200000 GHz	
Occupied Bandwidth <span style="float: right;">[ ] [ ]</span>		<b>Start Freq</b> 2.44100000 GHz	
		<b>Stop Freq</b> 2.44300000 GHz	
Ref 20 dBm #Atten 30 dB #Peak Log 10 dB/ Offst 7 dB		<b>CF Step</b> 200.000000 kHz Auto Man	
Center 2.442 000 GHz <span style="float: right;">Span 2 MHz</span> #Res BW 30 kHz #VBW 100 kHz Sweep 2.12 ms (601 pts)		<b>Freq Offset</b> 0.00000000 Hz	
<b>Occupied Bandwidth</b> <span style="float: right;"><b>Occ BW % Pwr</b> 99.00 %</span> <b>880.9706 kHz</b> <span style="float: right;"><b>x dB</b> -20.00 dB</span>		<b>Signal Track</b> On Off	
<b>Transmit Freq Error</b> 9.923 kHz			
<b>x dB Bandwidth</b> 1.009 MHz			
<b>Copyright 2000-2008 Agilent Technologies</b>			



## Channel 78 (2480MHz)



-----THE END-----



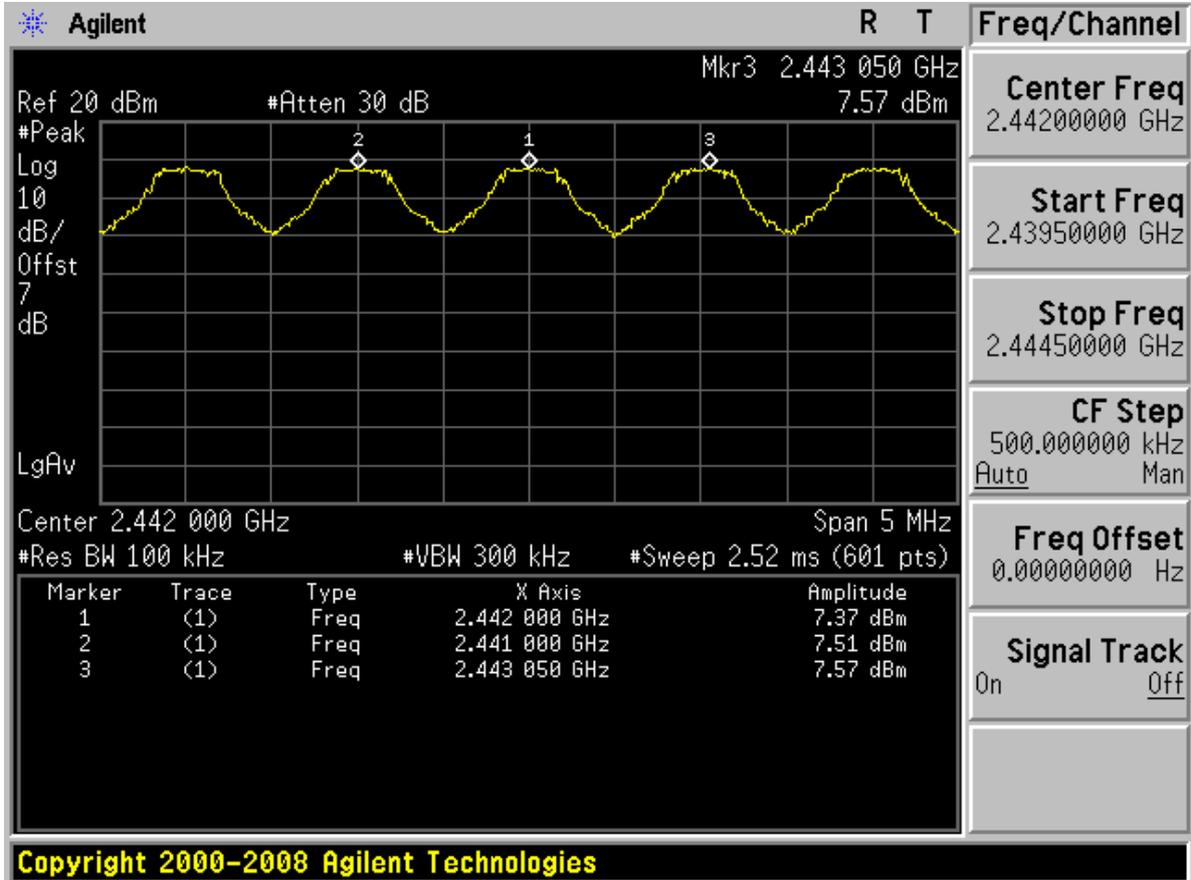
## **Appendix B**

# Carrier frequency separation measurement

According to FCC Part 15.247 (a) (1)



## Centred at Channel 40



-----THE END-----



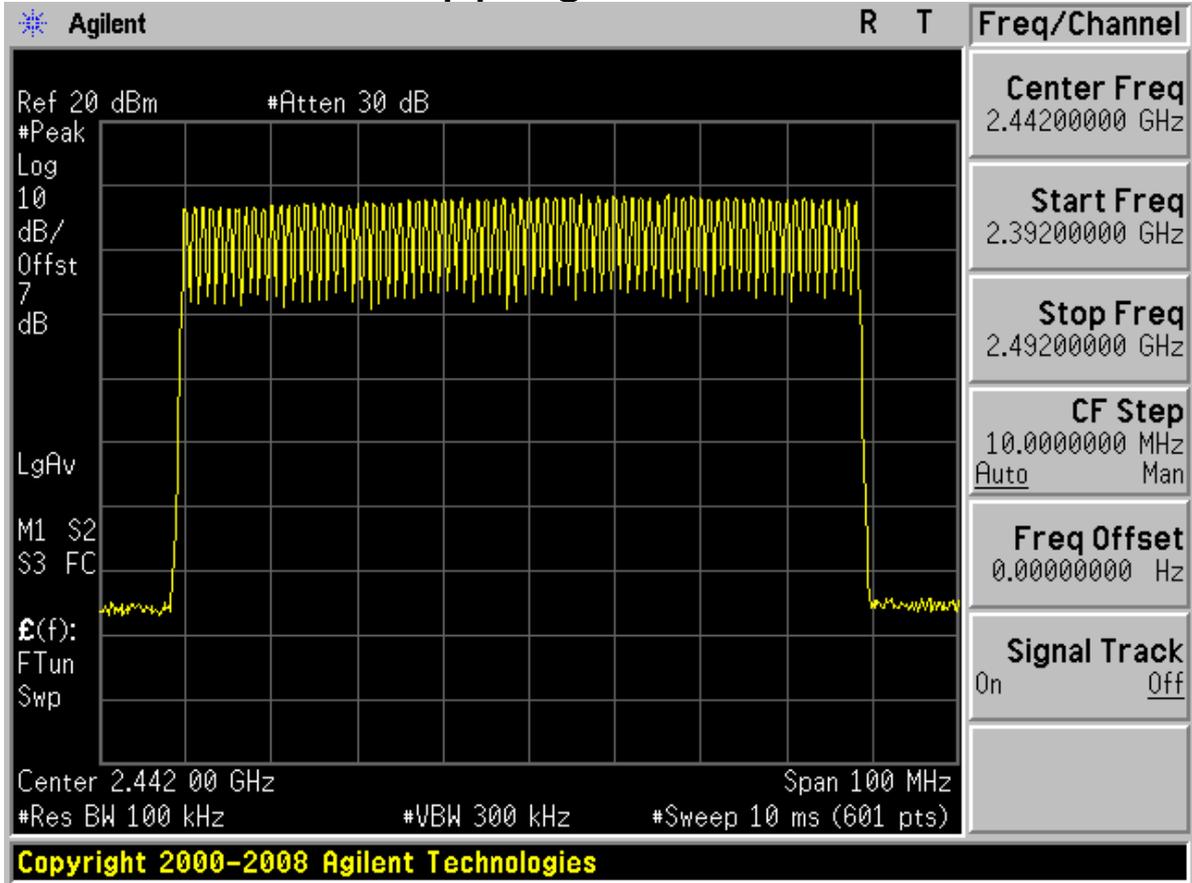
## Appendix C

# Number of hopping channel

According to FCC Part 15.247 (a) (1) iii



# Total hopping channels = 79



-----THE END-----



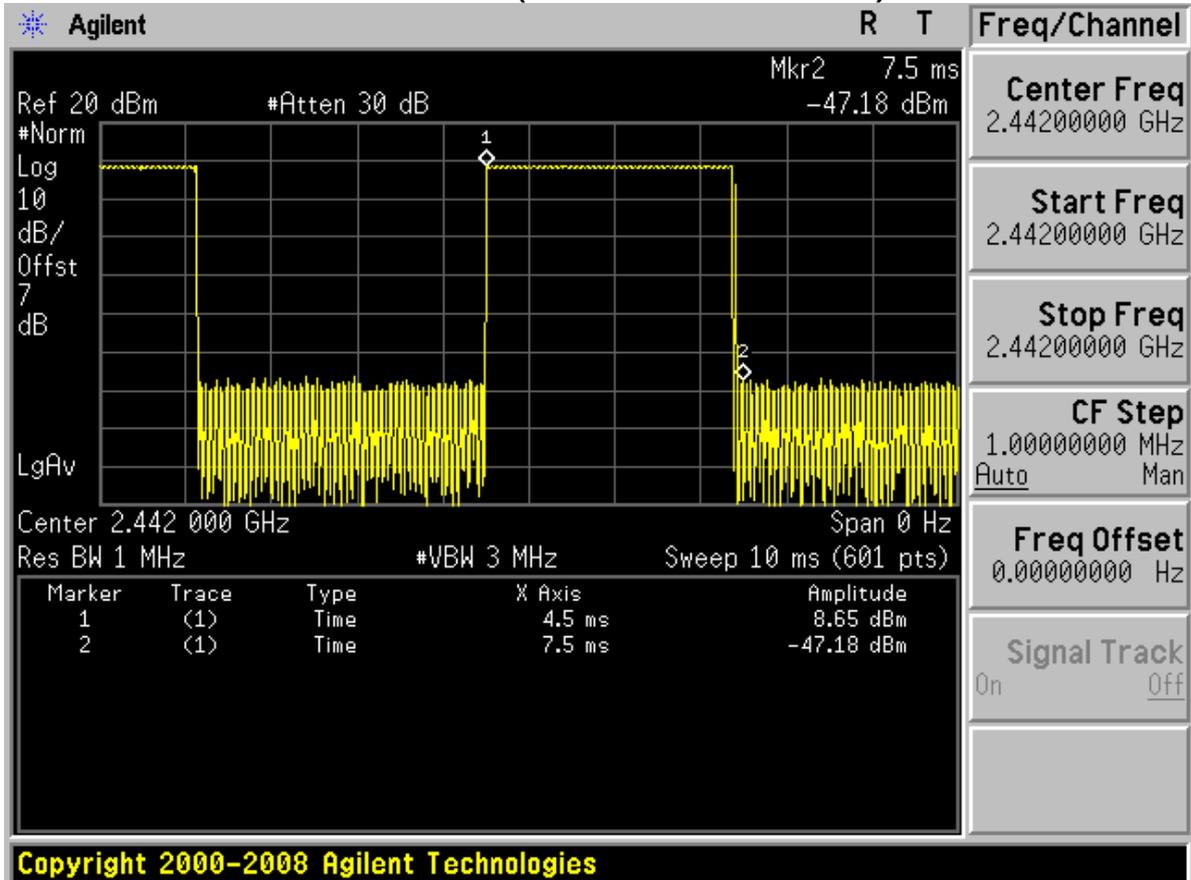
# Appendix D

## Time of occupancy

According to FCC Part 15.247 (a) (1) iii

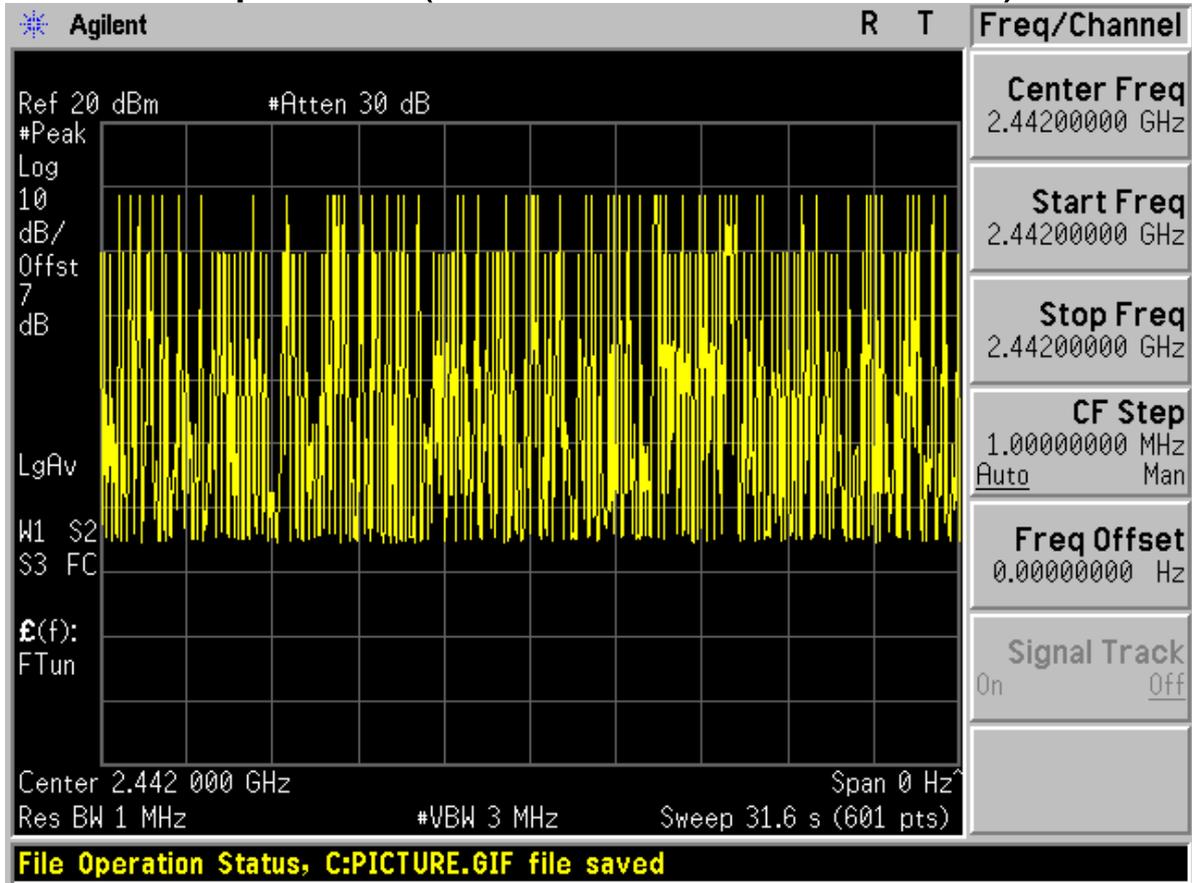


## A burst (One time slot)





## A period (Less than 106.7 burst)



-----THE END-----



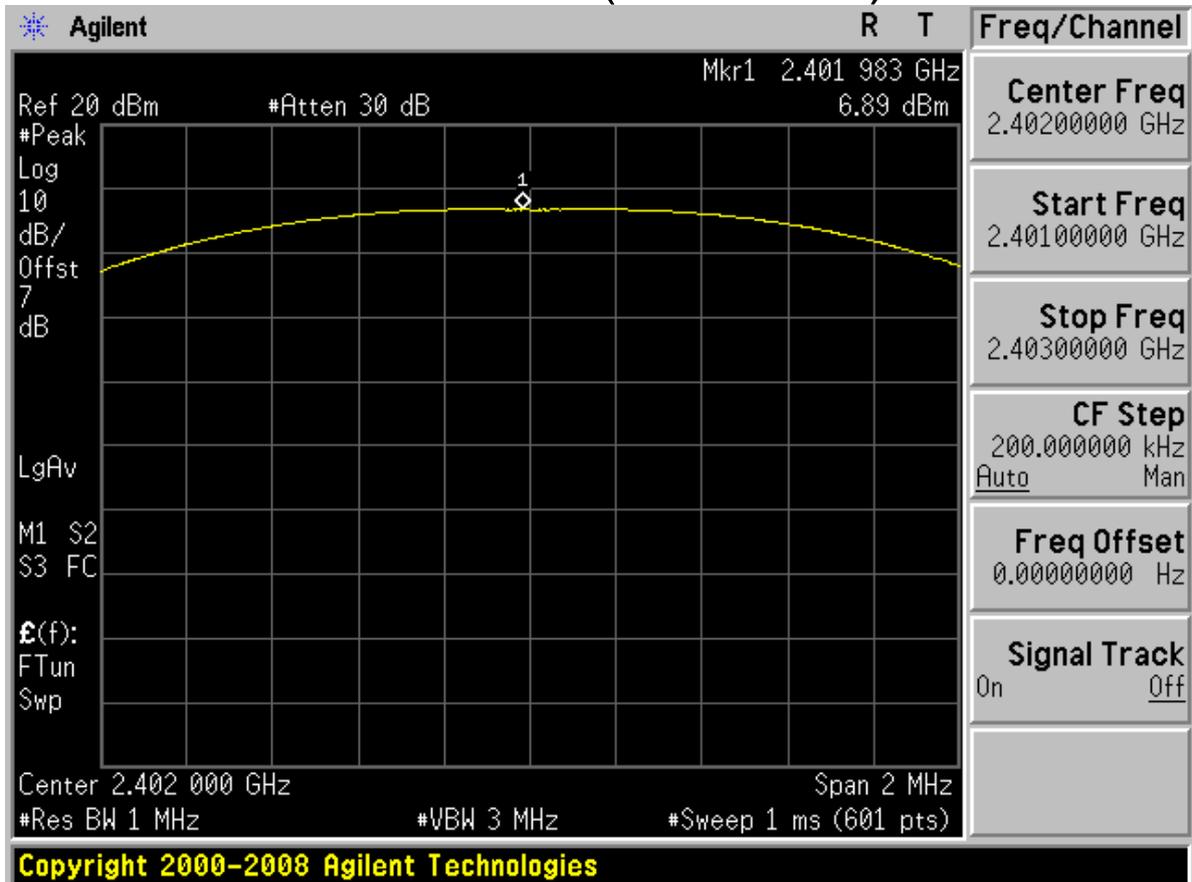
# Appendix E

## Peak output power

According to FCC Part 15.247 (b) (1)

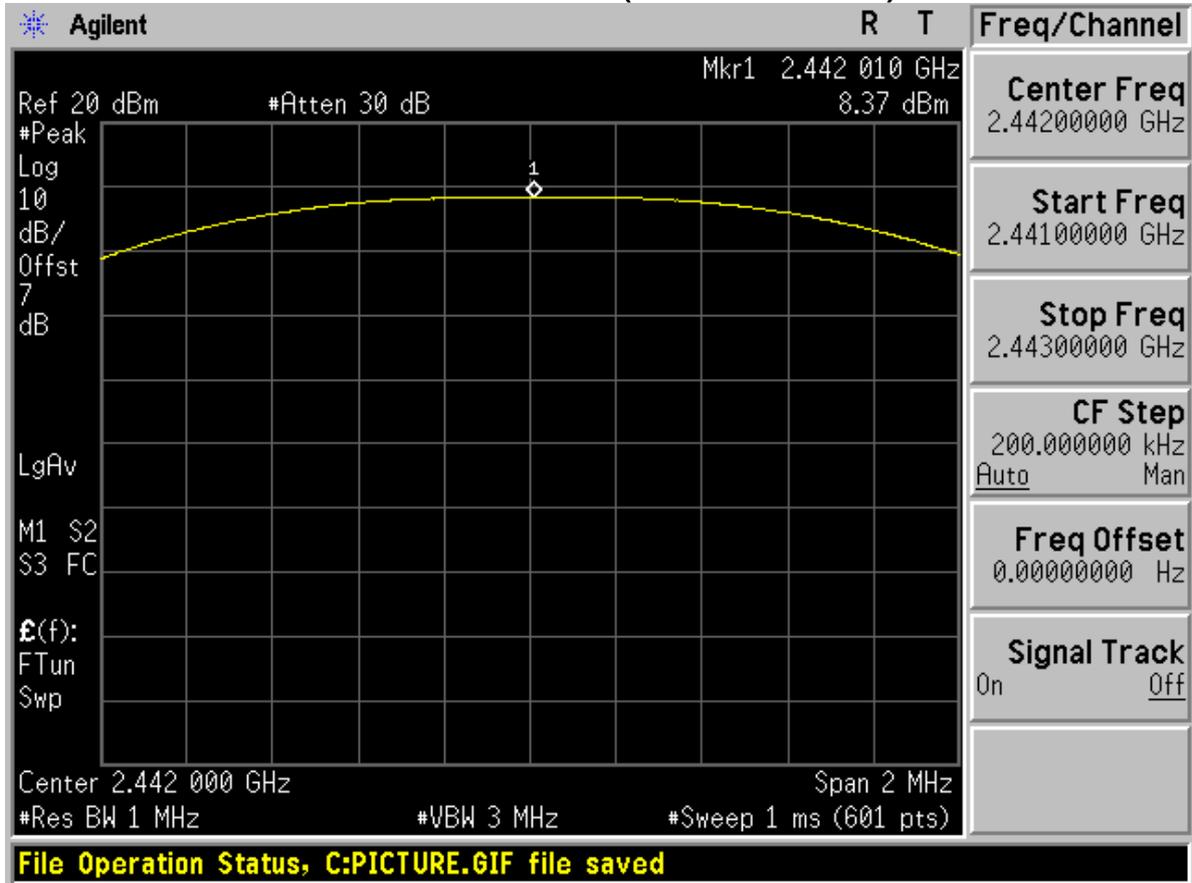


# Channel 0 (2402MHz)



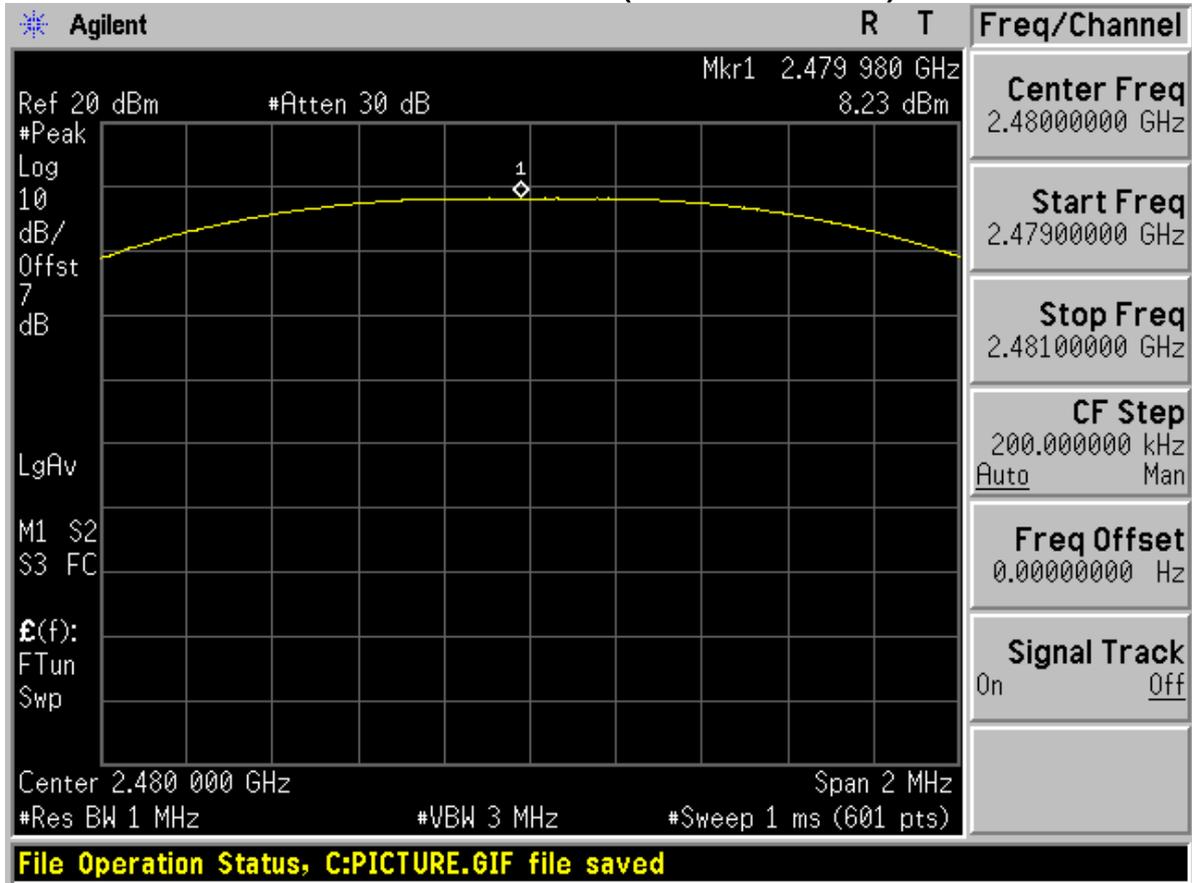


# Channel 40 (2442MHz)





# Channel 78 (2480MHz)



-----THE END-----



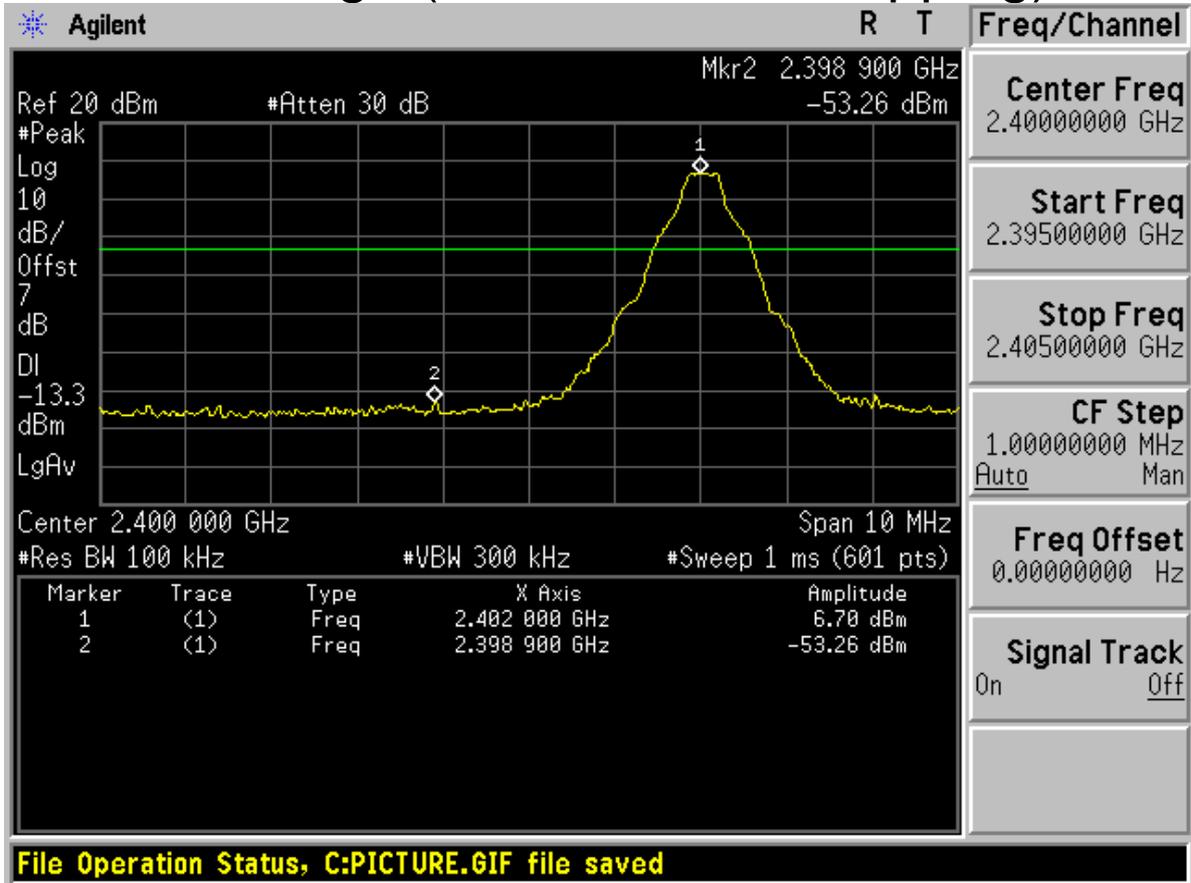
# Appendix F

## Band edge spurious emission

According to FCC Part 15.247 (d)

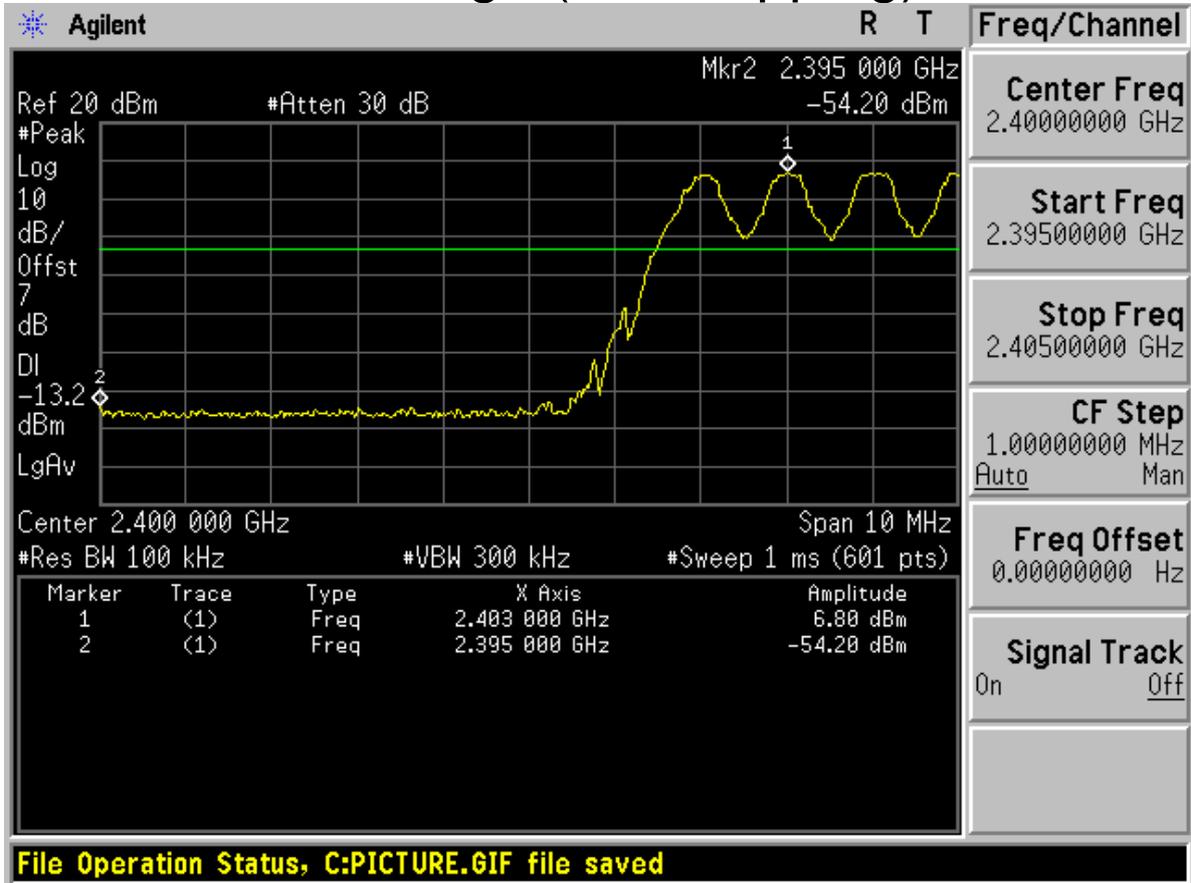


# Low edge (Channel 0, no hopping)



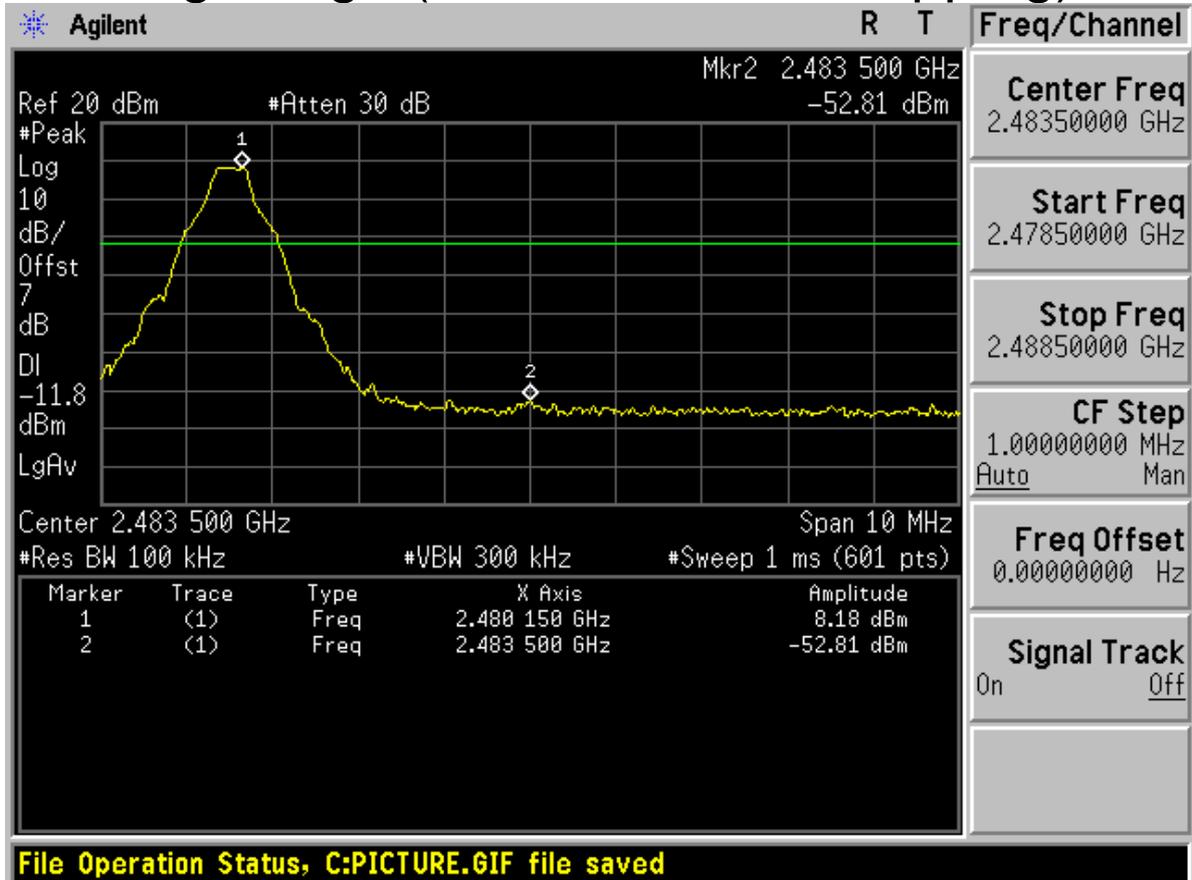


# Low edge (with hopping)



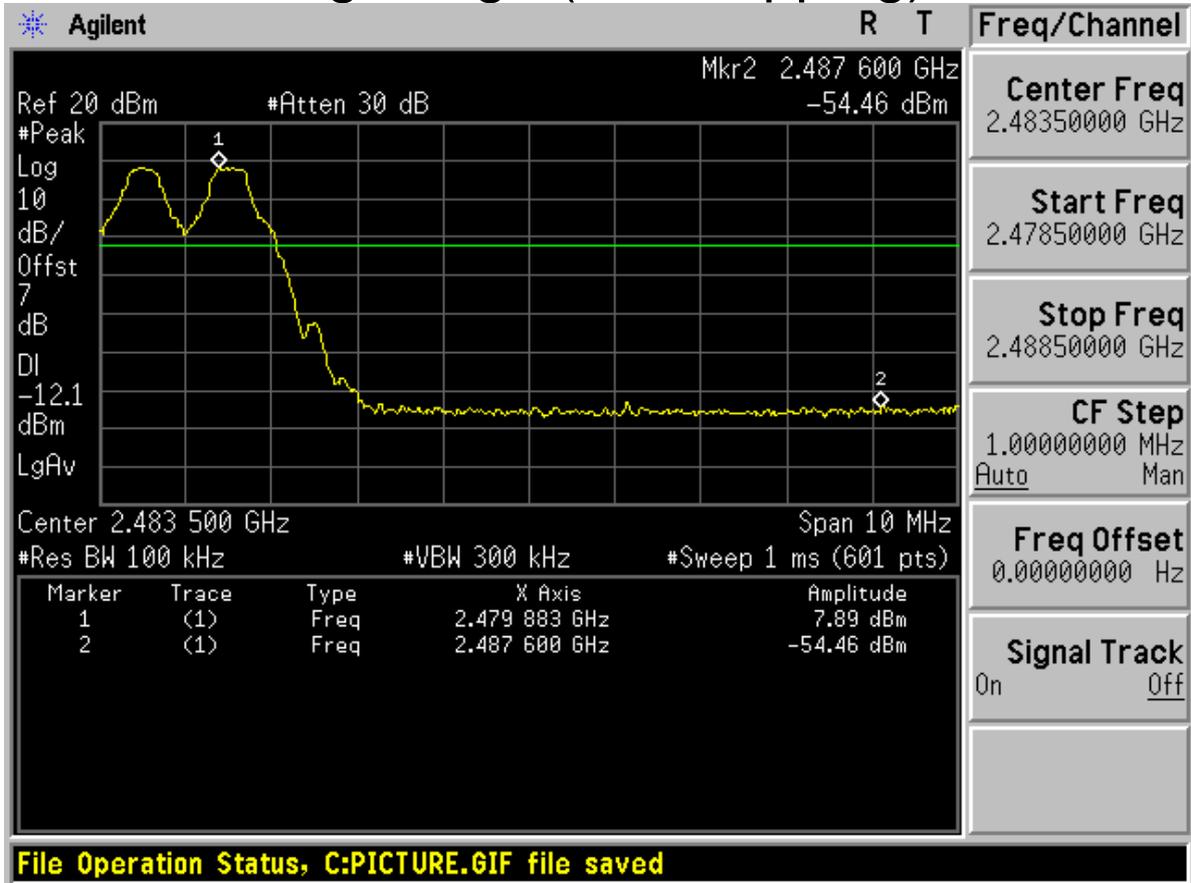


# High edge (Channel 78, no hopping)





# High edge (with hopping)



-----THE END-----



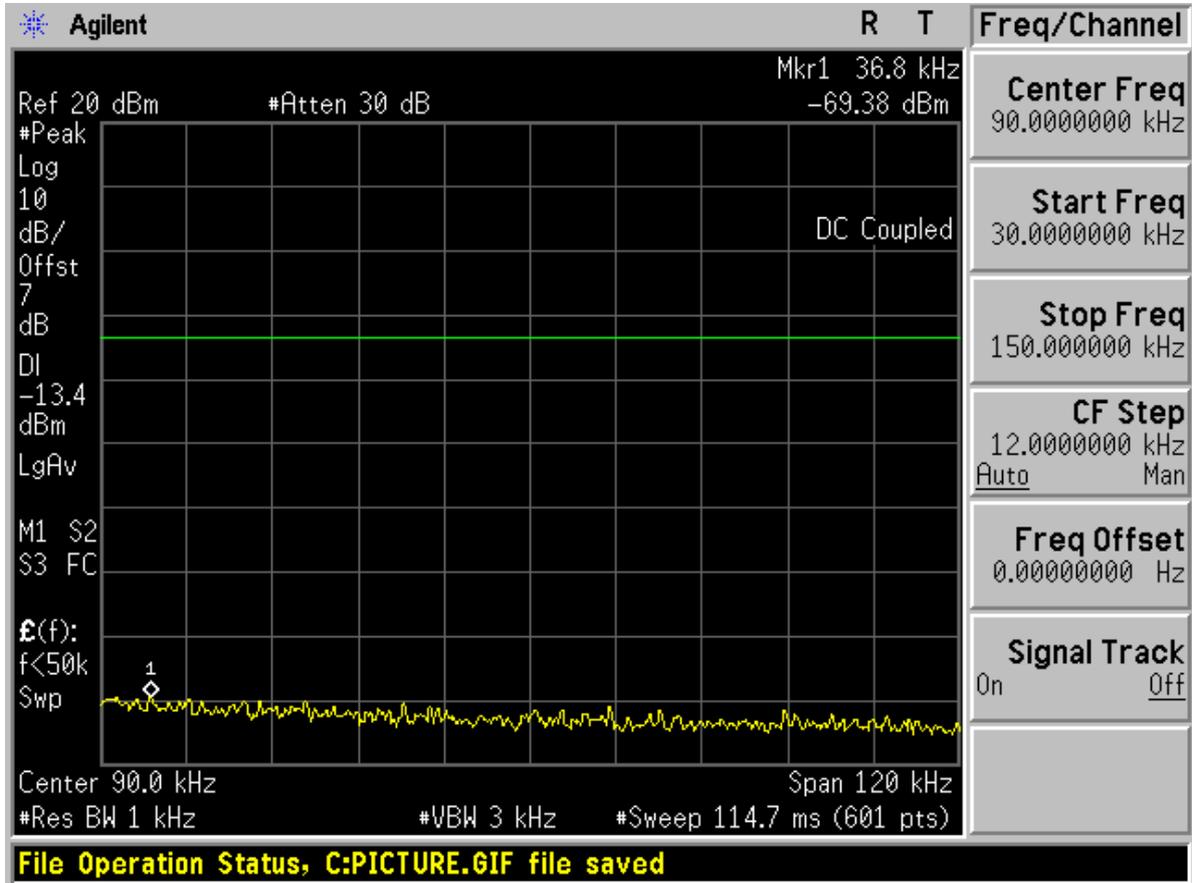
# Appendix G

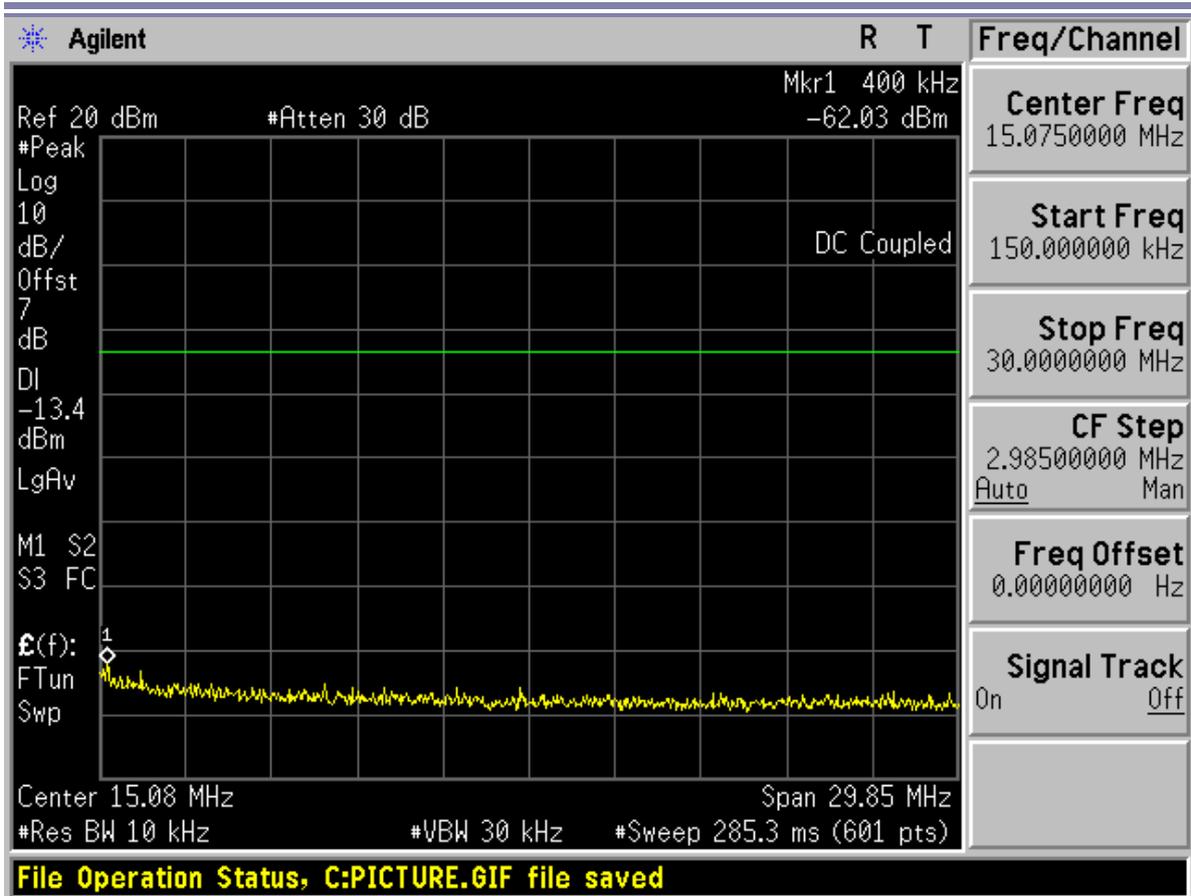
## Conducted RF spurious

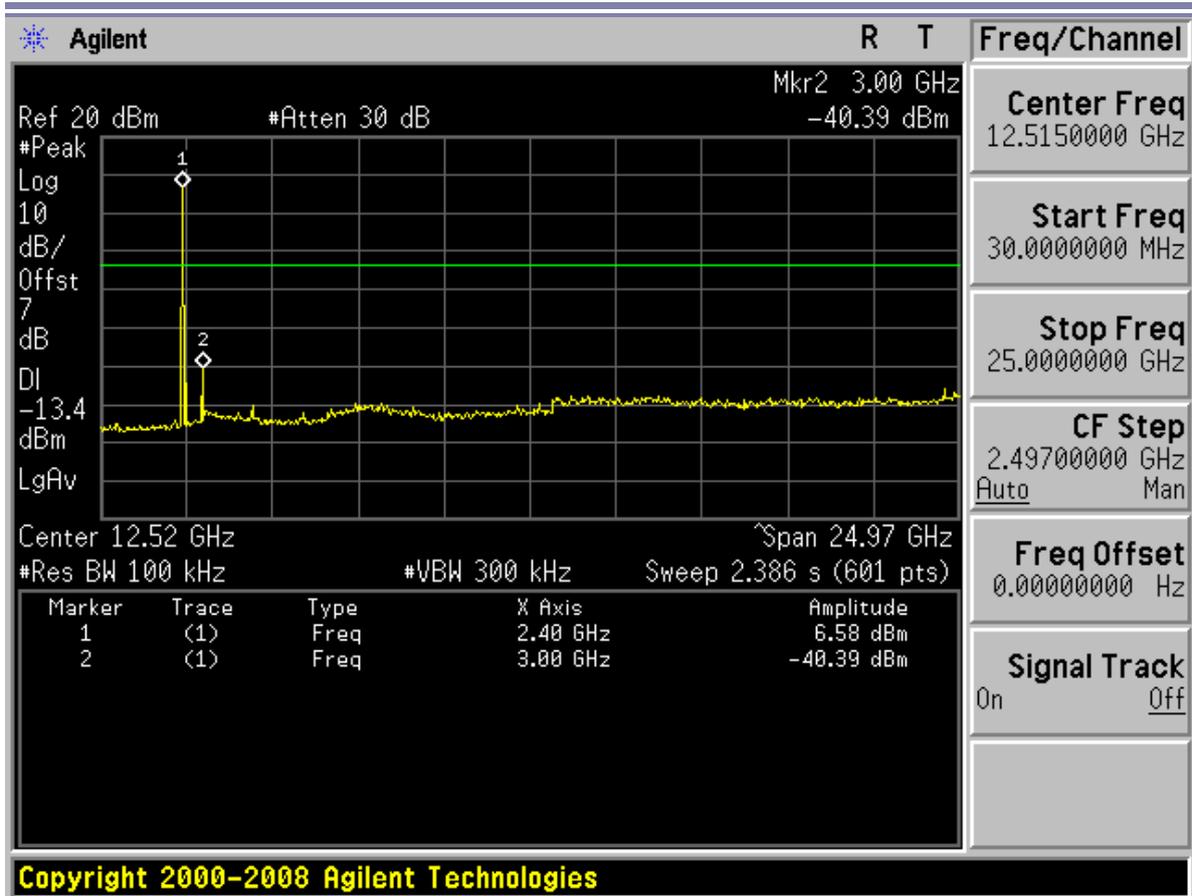
According to FCC Part 15.247 (d)



# Channel 0

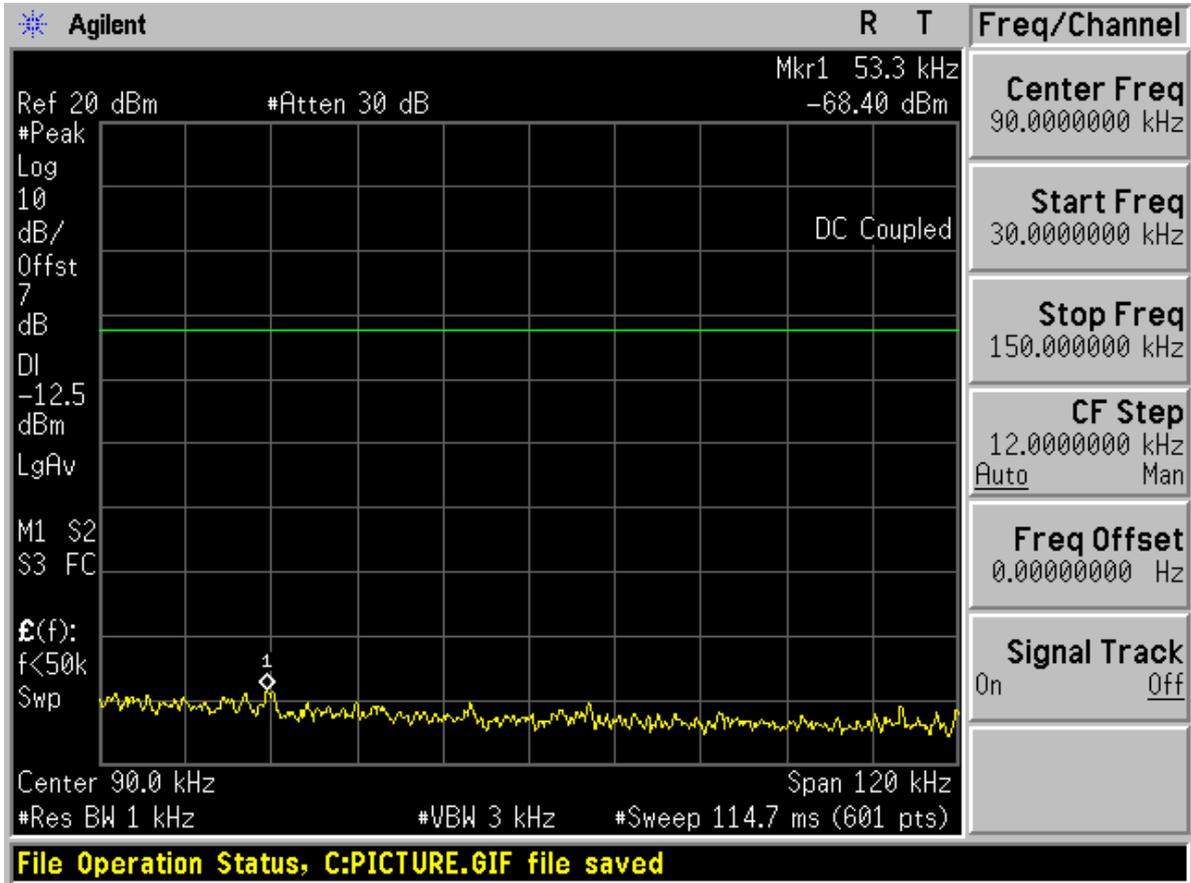


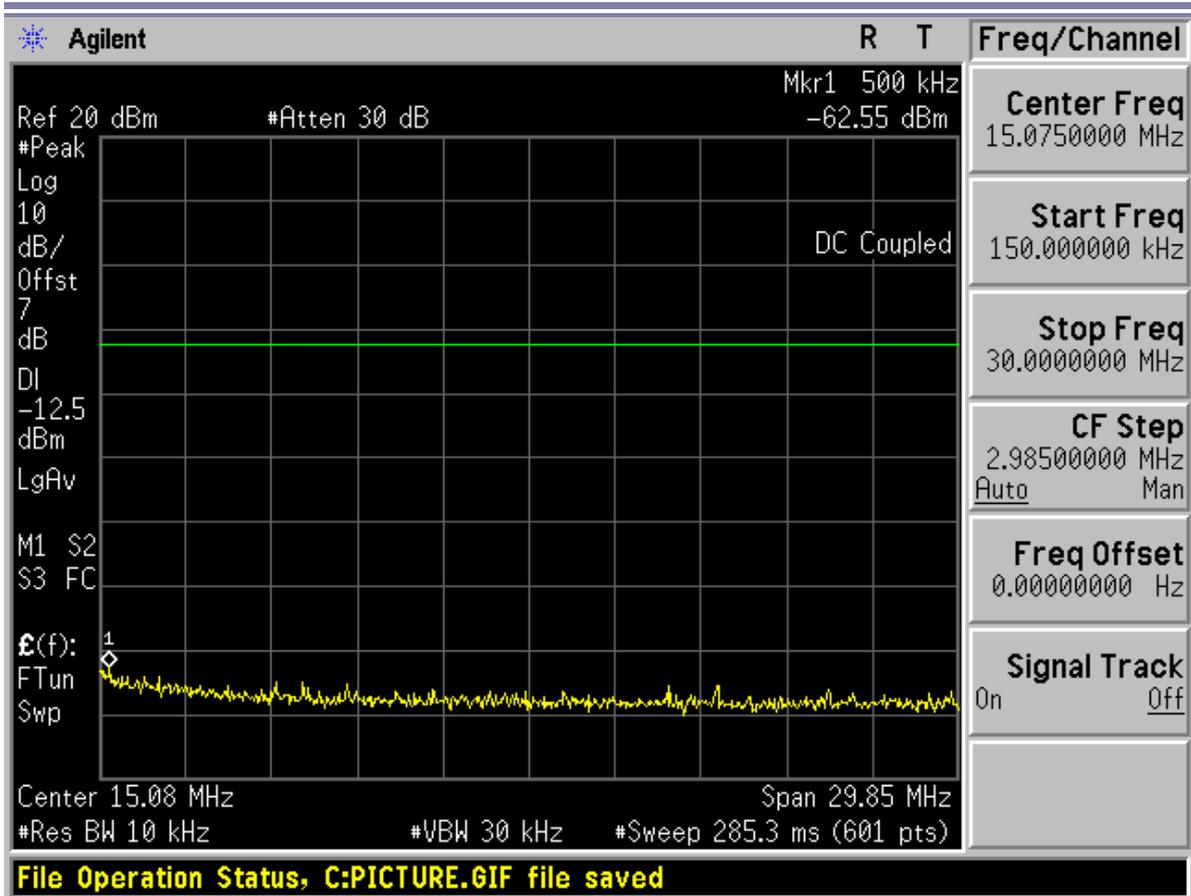


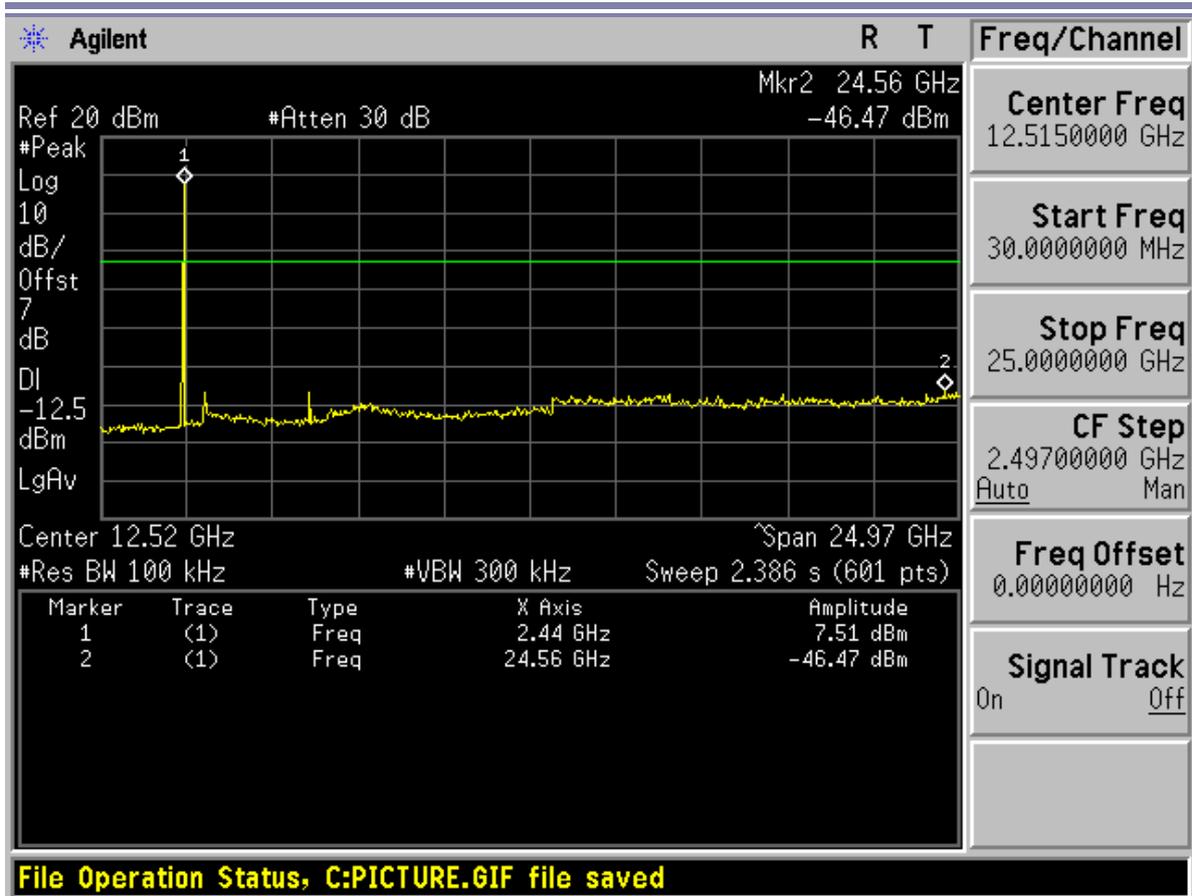




# Channel 40

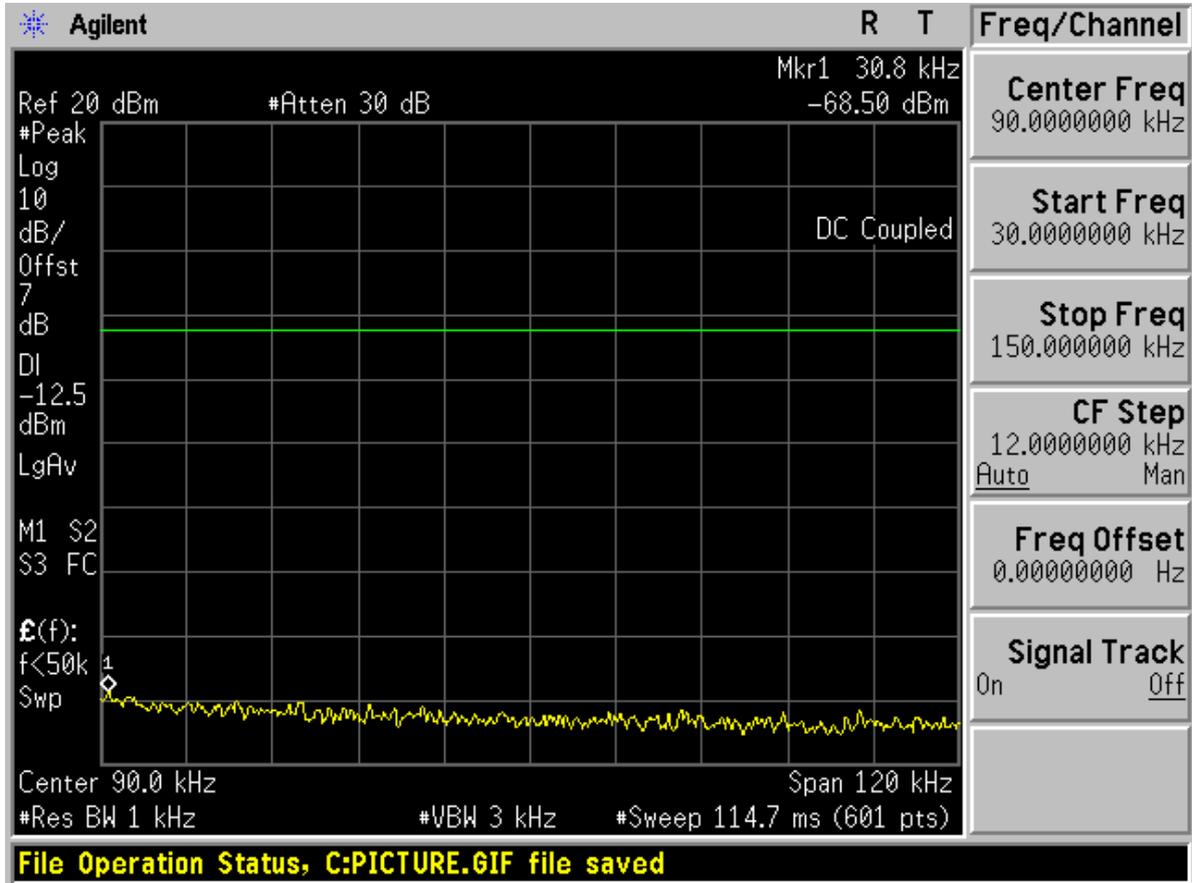


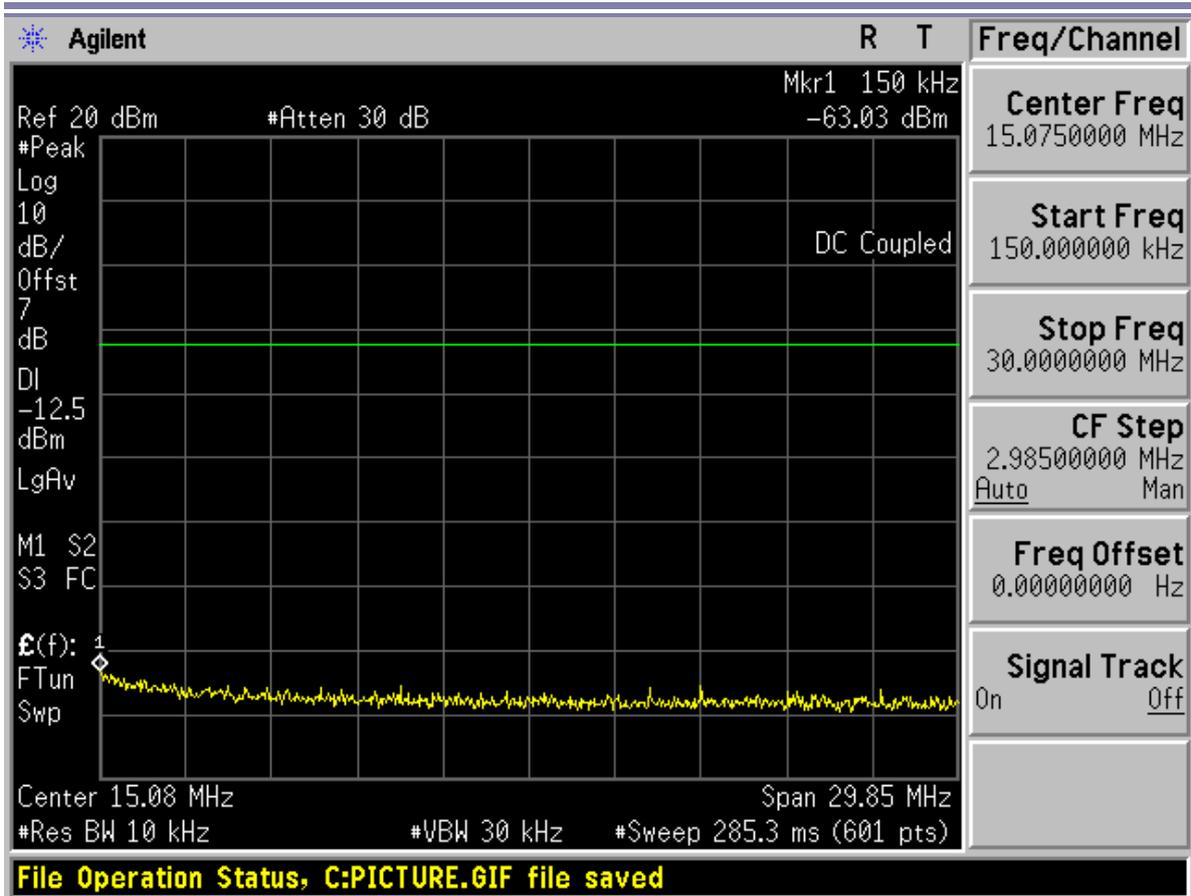


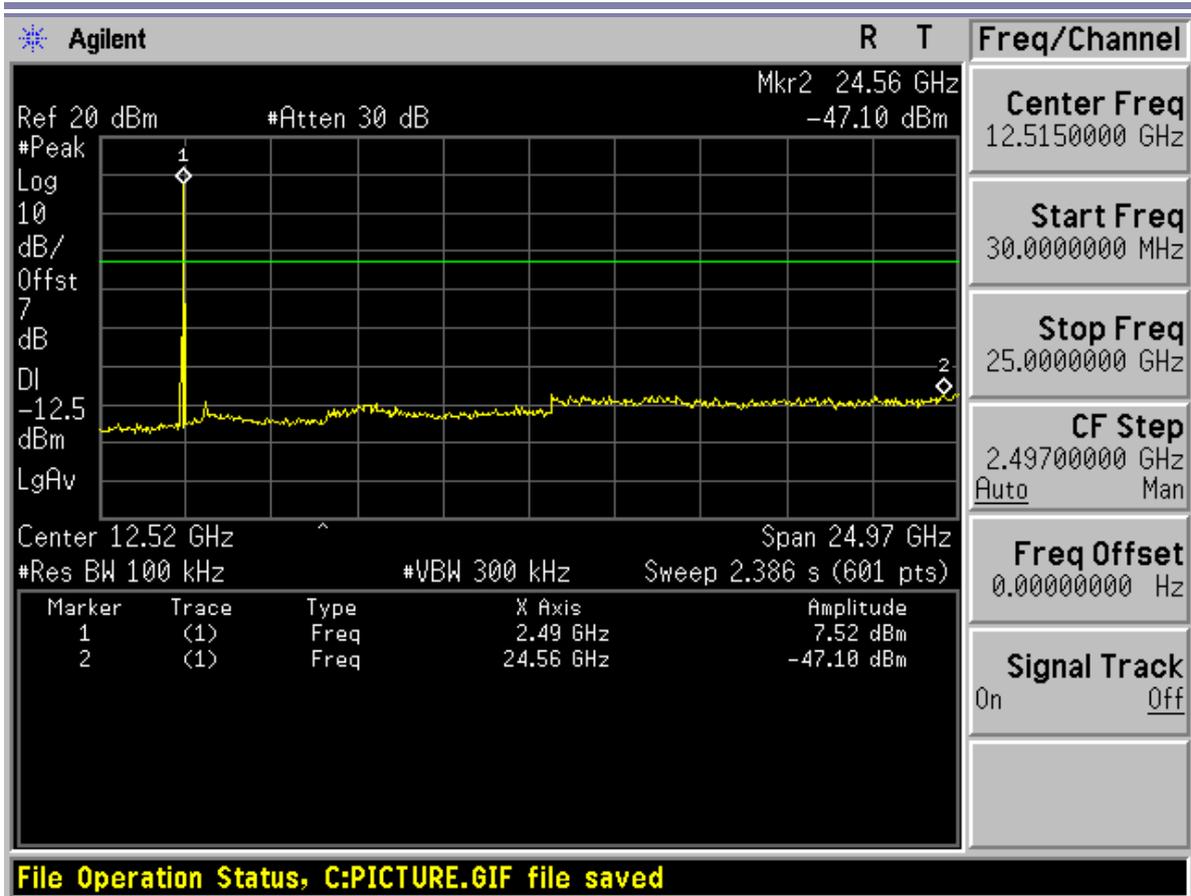




# Channel 78







-----THE END-----



# Appendix H

## Radiated spurious emission

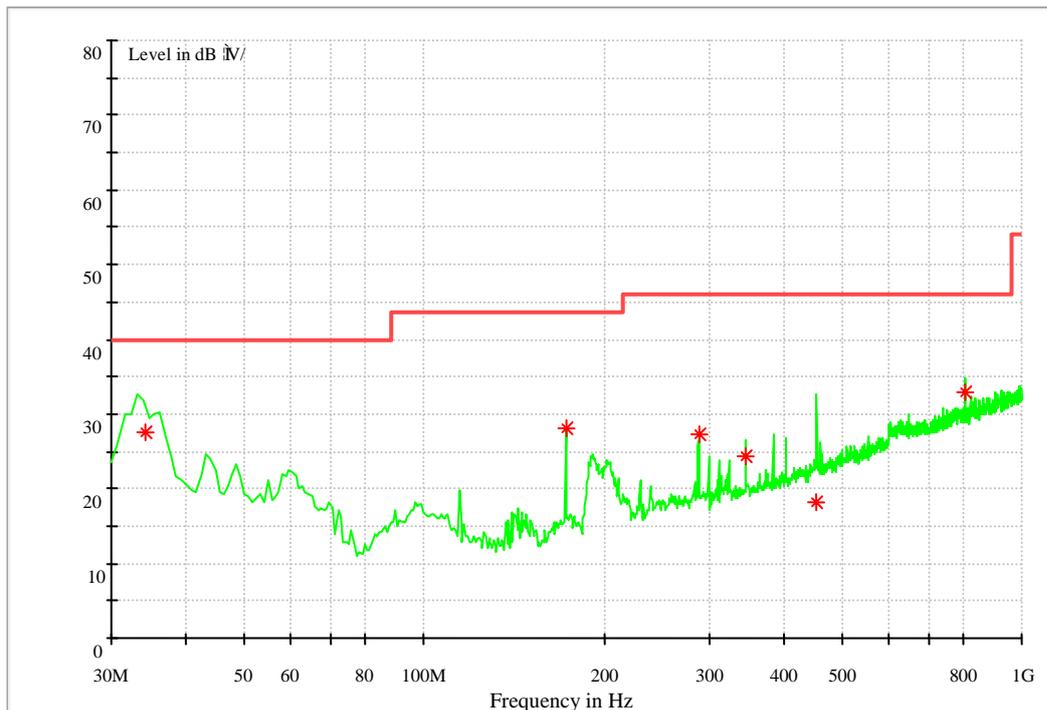
According to FCC Part 15.247 (d) & 15.205 & 15.209

Note: Simultaneous transmission was investigated and no new emissions were found.

**Part 1: Testing Range of “30 MHz to 1 GHz”**

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.

Note 2: **The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).**

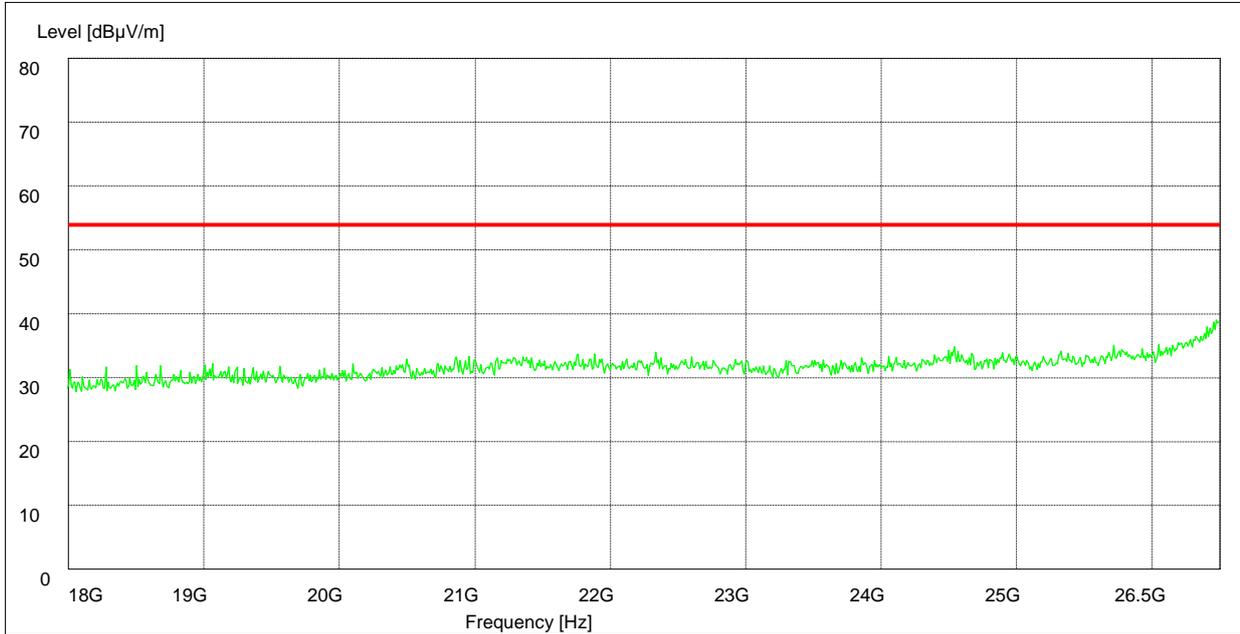


Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Plarization
34.148480	27.4	12.0	40.0	12.6	100.0	119.0	VERTICAL
172.816640	28.0	10.7	43.5	15.5	203.0	263.0	HORIZONTAL
287.987520	27.3	15.7	46.0	18.7	100.0	126.0	HORIZONTAL
345.567040	24.4	17.2	46.0	21.6	100.0	134.0	HORIZONTAL
453.316160	18.3	20.0	46.0	27.7	114.0	340.0	VERTICAL
806.388160	33.0	25.6	46.0	13.0	114.0	174.0	HORIZONTAL



**Part 2: Testing Range of “18 GHz to 26.5 GHz”**

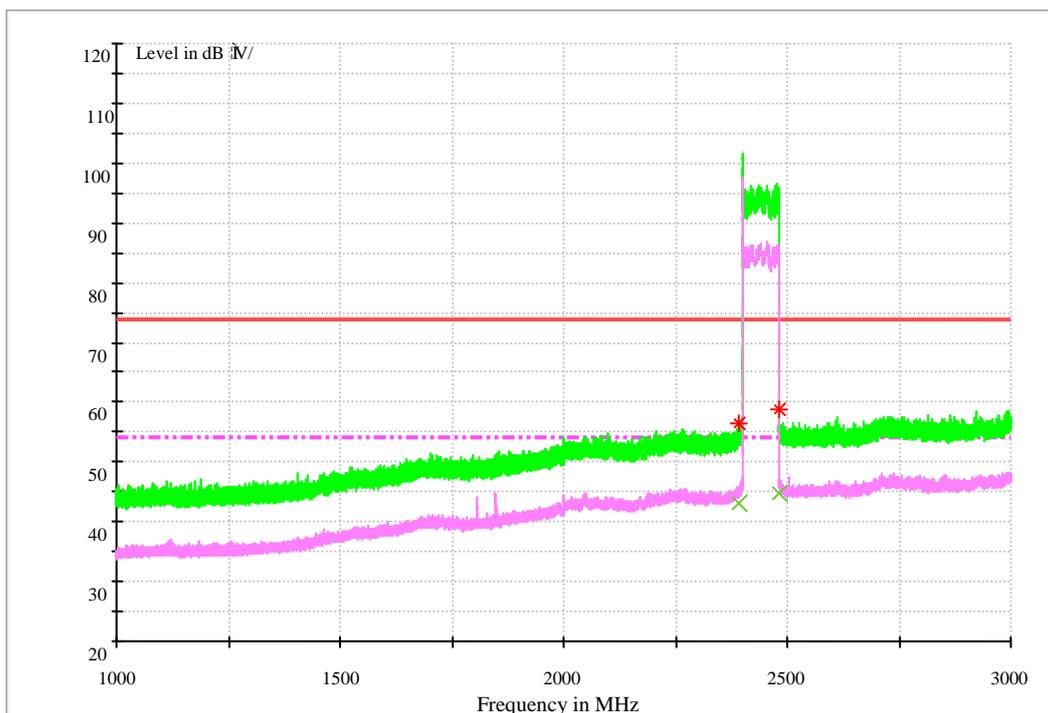
Note: No peak found in pre- test.



### Part 3: Testing Range of “1GHz to 3GHz”

- Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.
- Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).
- Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

#### 1 Test Mode: 1.1 Channel 00



Note: The peak exceeds the limit line is carrier frequency.

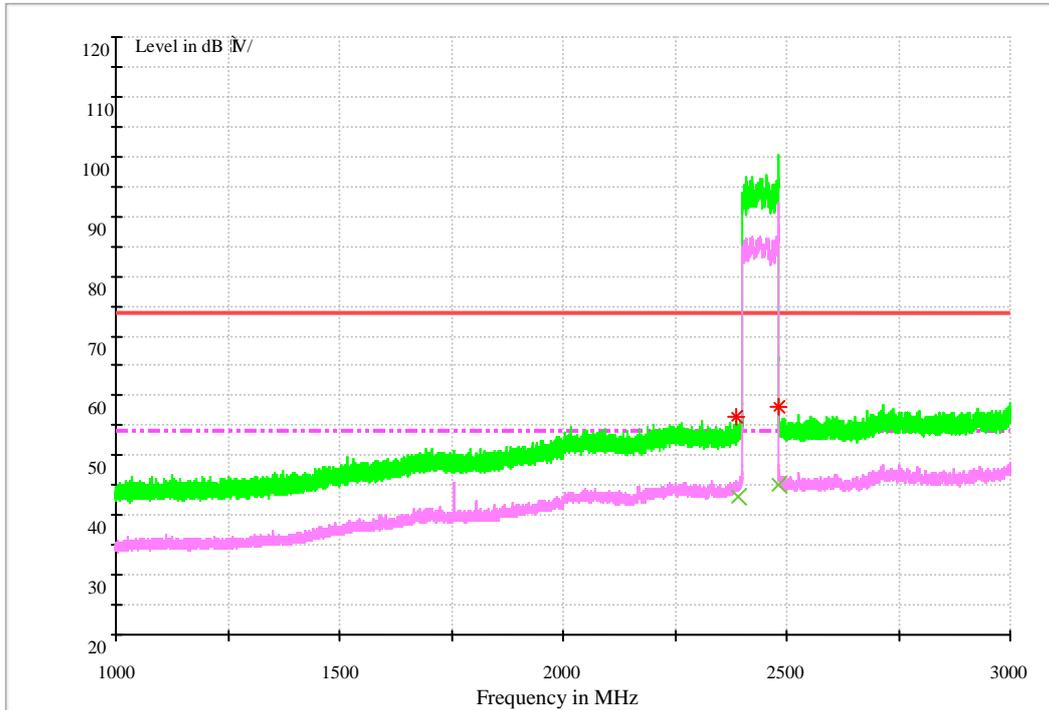
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.4	38.3	74.0	17.6	100.0	58.0	VERTICAL
2483.500000	58.8	40.6	74.0	15.2	100.0	-45.0	VERTICAL

#### MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.1	38.3	54.0	10.9	100.0	103.0	VERTICAL
2483.500000	44.9	40.6	54.0	9.1	100.0	10.0	VERTICAL

## 1.2 Channel 78



Note: The peak exceeds the limit line is carrier frequency.

### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	56.6	38.3	74.0	17.4	153.0	225.0	VERTICAL
2483.500000	58.2	40.6	74.0	15.8	119.0	0.0	HORIZONTAL

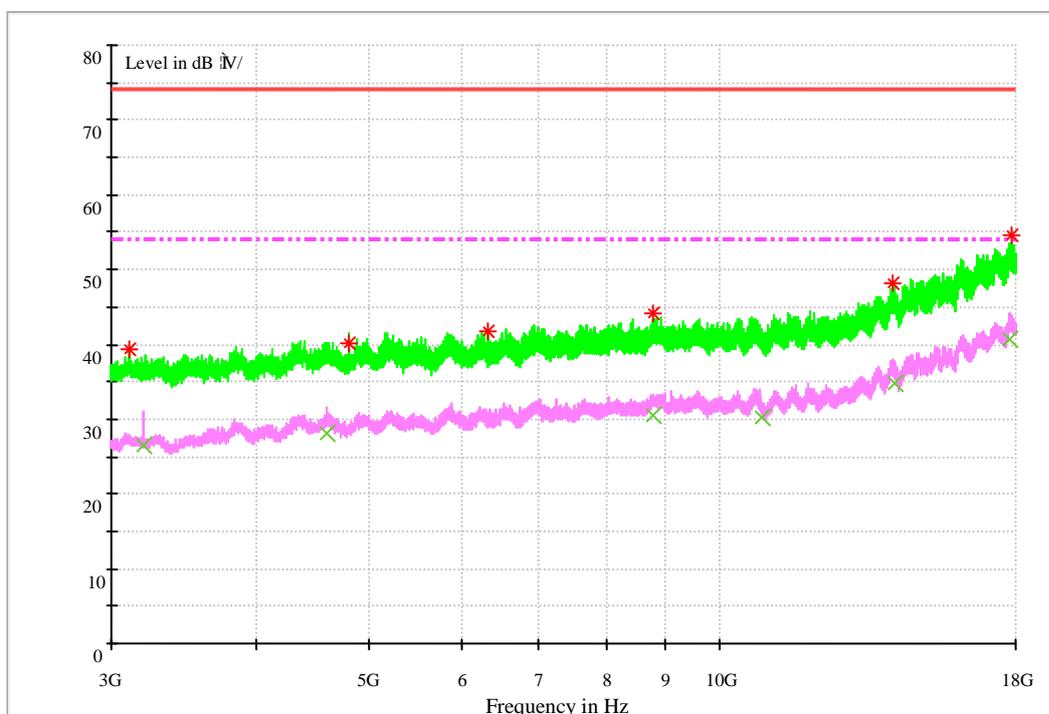
### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	43.0	38.3	54.0	11.0	100.0	27.0	HORIZONTAL
2483.500000	45.2	40.6	54.0	8.8	113.0	121.0	HORIZONTAL

### 1.3

#### Part 4: Testing Range of “3 GHz to 18 GHz”

- Note 1: The test results and plot for testing range of “1 GHz to 18 GHz” showed as below is **the WORST case for all Test Modes and Channels**. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “1 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).



#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
3107.578000	39.2	-3.3	74.0	34.8	114.0	217.0	VERTICAL
4806.302000	40.0	0.8	74.0	34.0	114.0	50.0	HORIZONTAL
6321.231333	41.8	3.6	74.0	32.2	114.0	164.0	VERTICAL
8758.964667	44.1	8.9	74.0	29.9	161.0	310.0	VERTICAL
14113.756667	48.1	19.7	74.0	25.9	186.0	246.0	HORIZONTAL
17842.693333	54.7	28.5	74.0	19.3	200.0	148.0	HORIZONTAL



MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
3202.662667	26.5	-3.4	54.0	27.5	100.0	34.0	HORIZONTAL
4597.068667	28.1	1.4	54.0	25.9	200.0	50.0	HORIZONTAL
8790.452000	30.5	9.1	54.0	23.5	200.0	148.0	HORIZONTAL
10872.711333	30.1	11.5	54.0	23.9	100.0	213.0	VERTICAL
14168.100000	34.8	19.7	54.0	19.2	100.0	0.0	HORIZONTAL
17765.645333	40.7	28.2	54.0	13.3	100.0	56.0	VERTICAL

-----THE END-----



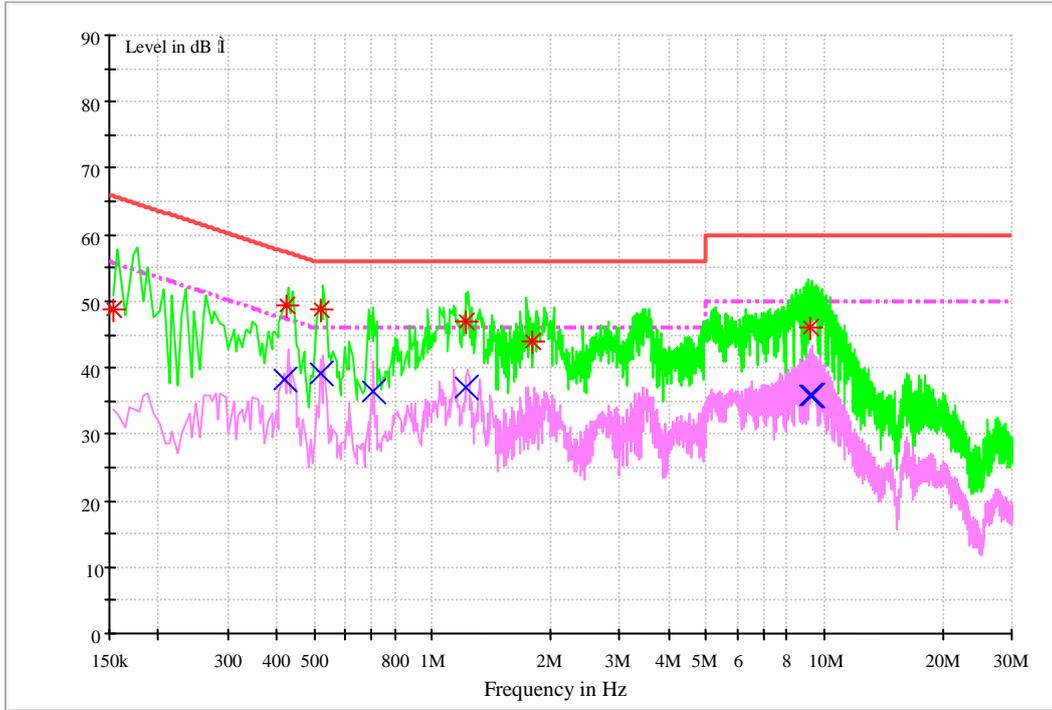
# Appendix I

## Conducted Emission at Power Port

According to FCC Part 15.207



# Channel 40



## MEASUREMENT RESULT: QP Detector

Frequency	Level	Transducer	Limit	Margin	Line	PE
MHz	dB $\mu$ V	dB	dB $\mu$ V	dB		
0.152976	48.7	9.7	65.8	17.1	L1	FLO
0.425839	49.3	9.7	57.3	8.0	L1	FLO
0.517788	48.7	9.7	56.0	7.3	L1	FLO
1.221982	47.1	9.7	56.0	8.9	L1	FLO
1.791104	44.0	9.7	56.0	12.0	L1	FLO
9.172362	46.1	9.9	60.0	13.9	L1	FLO



MEASUREMENT RESULT: AV Detector

Frequency	Level	Transducer	Limit	Margin	Line	PE
MHz	dB $\mu$ V	dB	dB $\mu$ V	dB		
0.420304	38.3	9.7	47.4	9.1	L1	FLO
0.521298	39.0	9.7	46.0	7.0	L1	FLO
0.702893	36.5	9.7	46.0	9.5	L1	FLO
1.217194	37.1	9.7	46.0	8.9	L1	FLO
9.219434	35.9	9.9	50.0	14.1	L1	FLO
9.316140	35.9	9.9	50.0	14.1	L1	FLO

-----THE END-----