



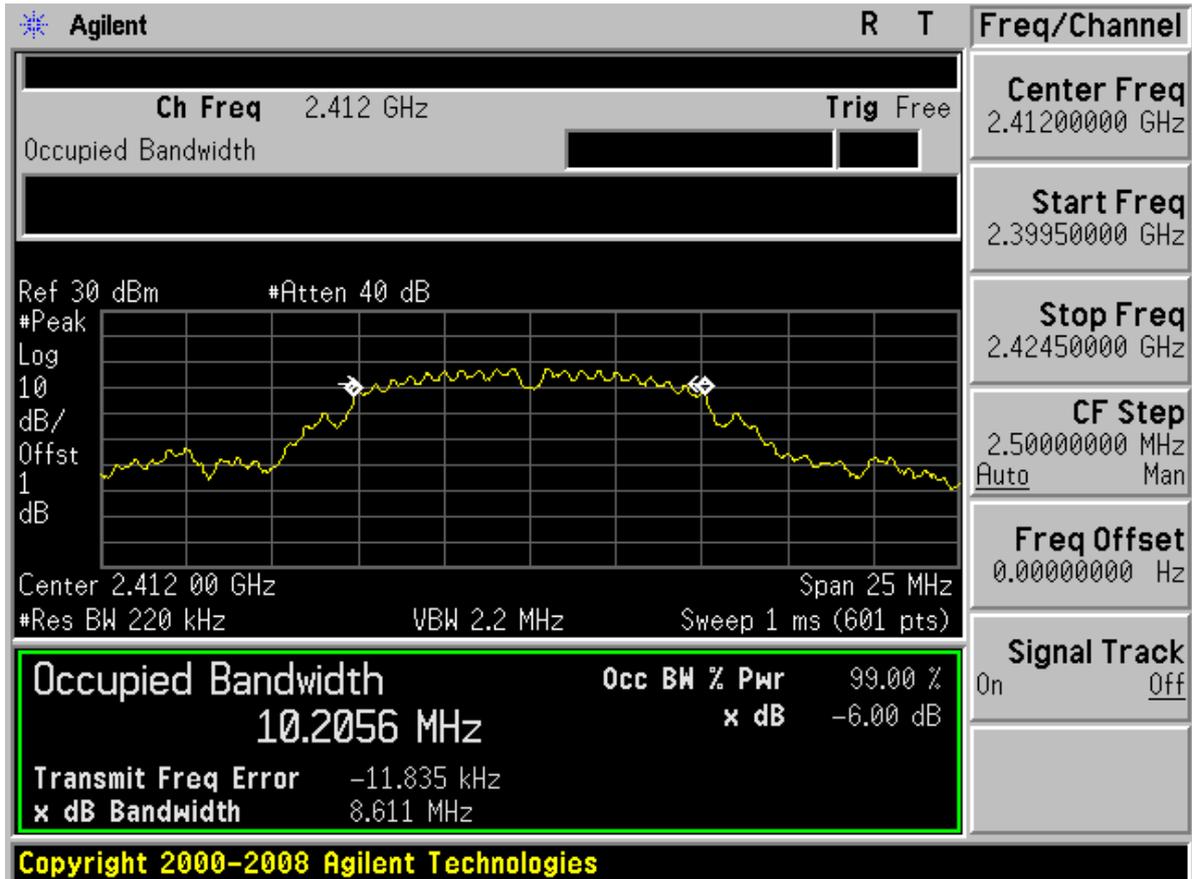
# **Appendix A**

## Bandwidth measurement

According to FCC Part 15.247 (a) (2)

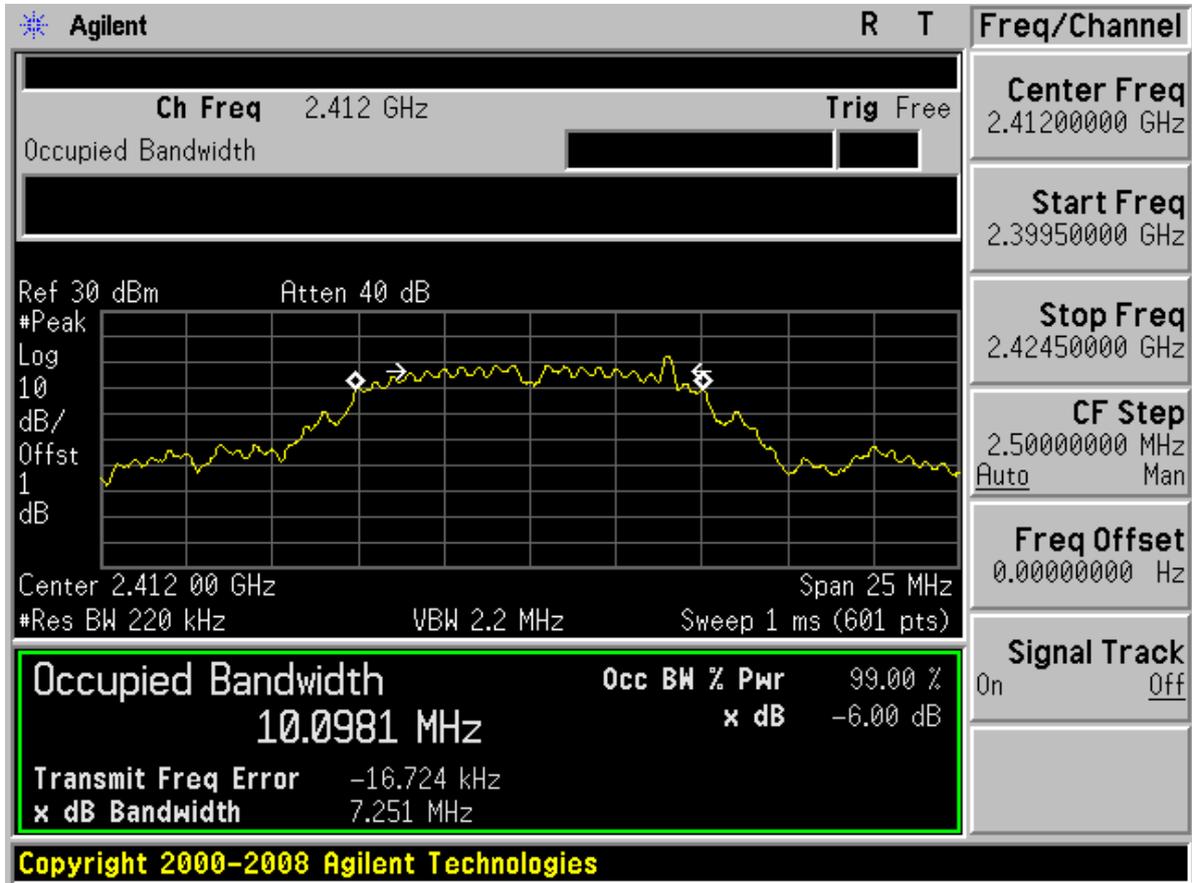


# TM1 Chain 1&2 Channel 01 Chain 1





## Chain 2



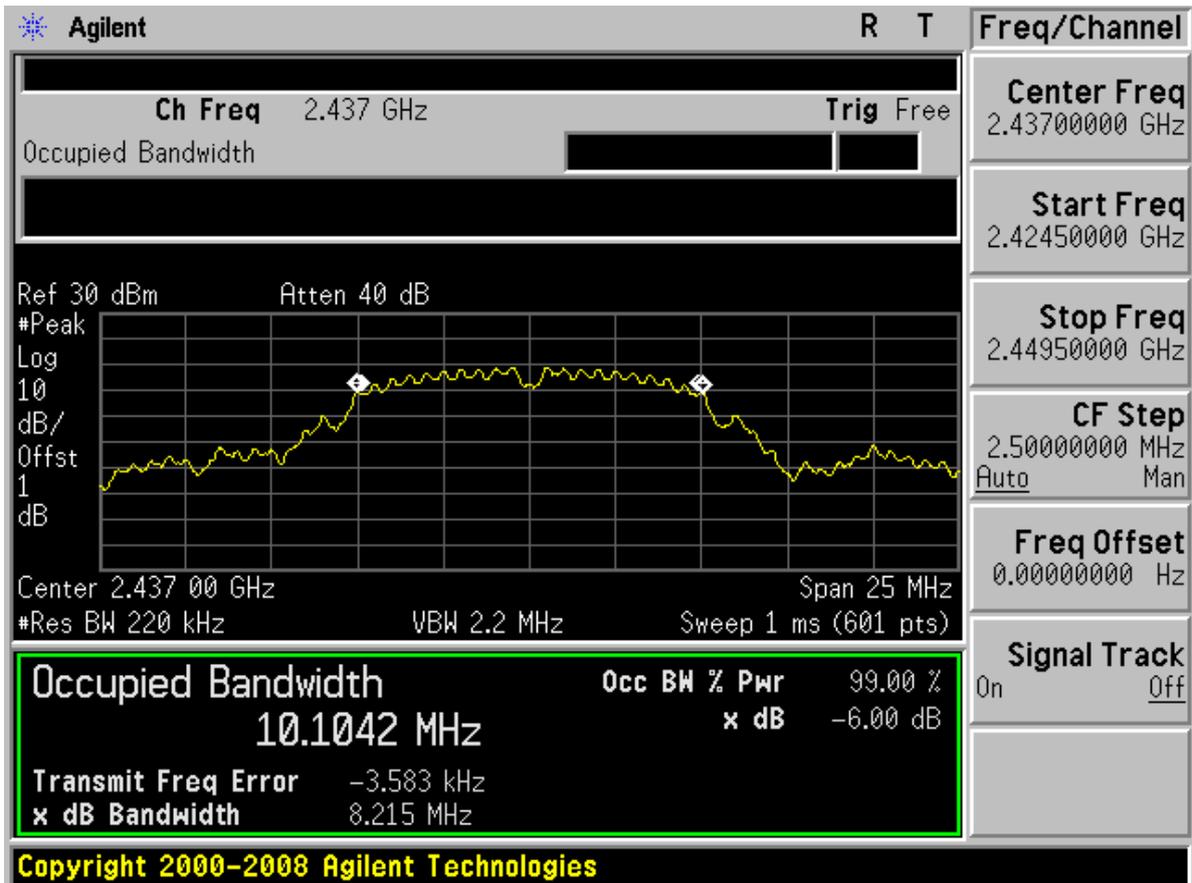


# Channel 06 Chain 1





## Chain 2





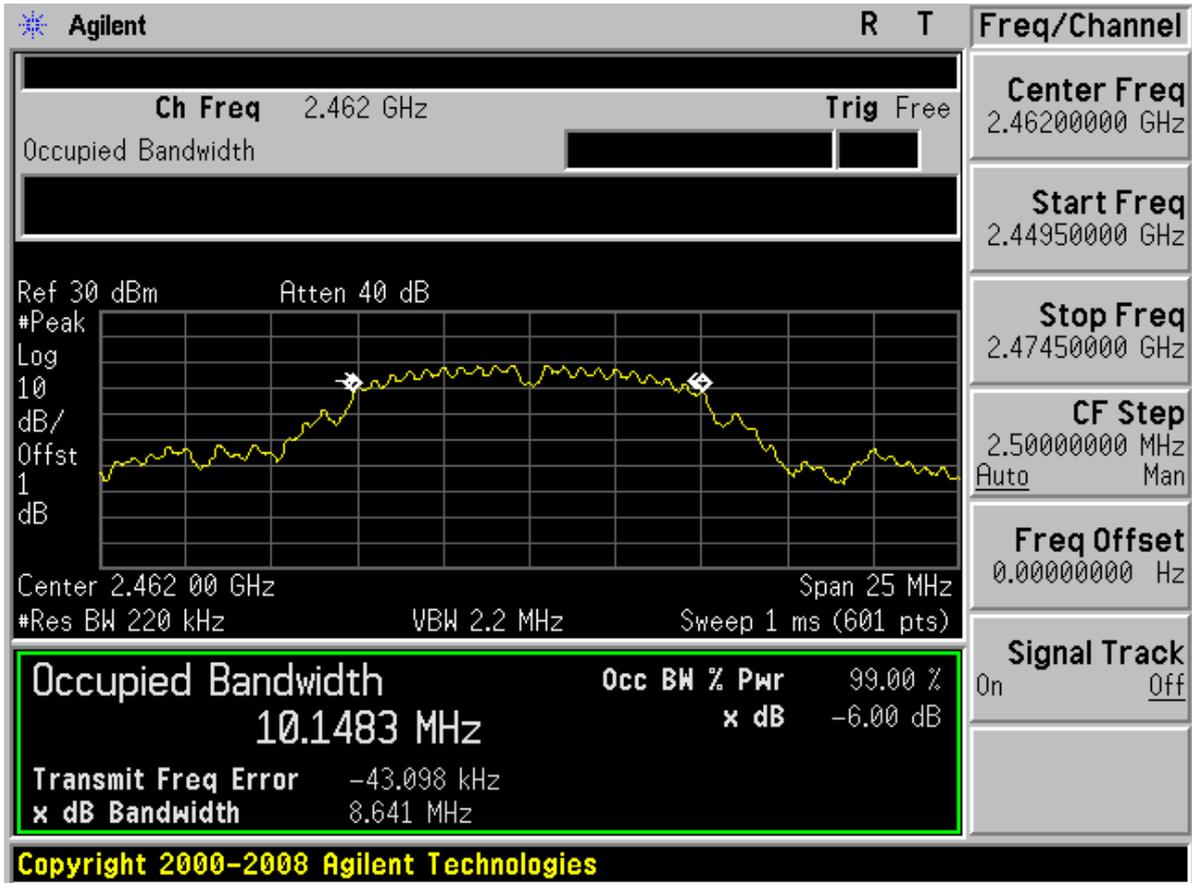
# Channel 11

## Chain 1



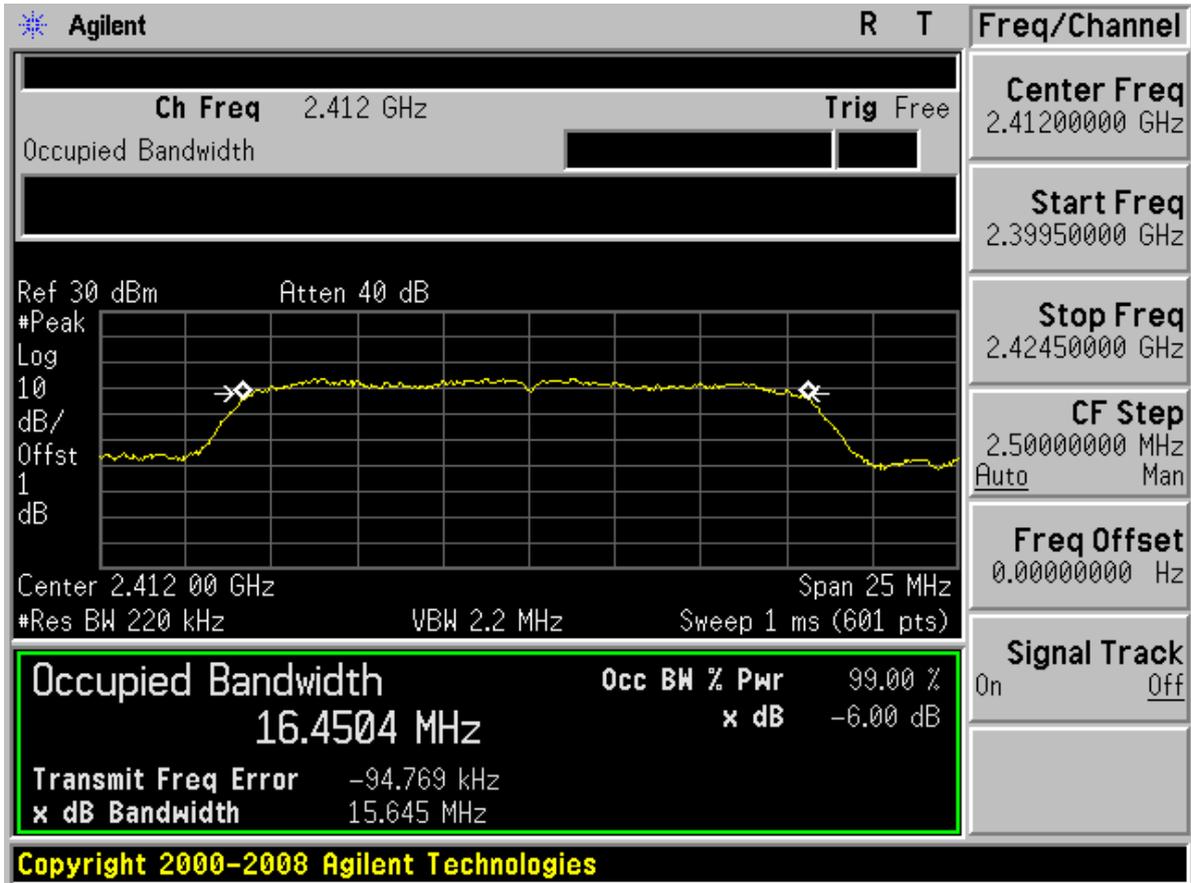


## Chain 2



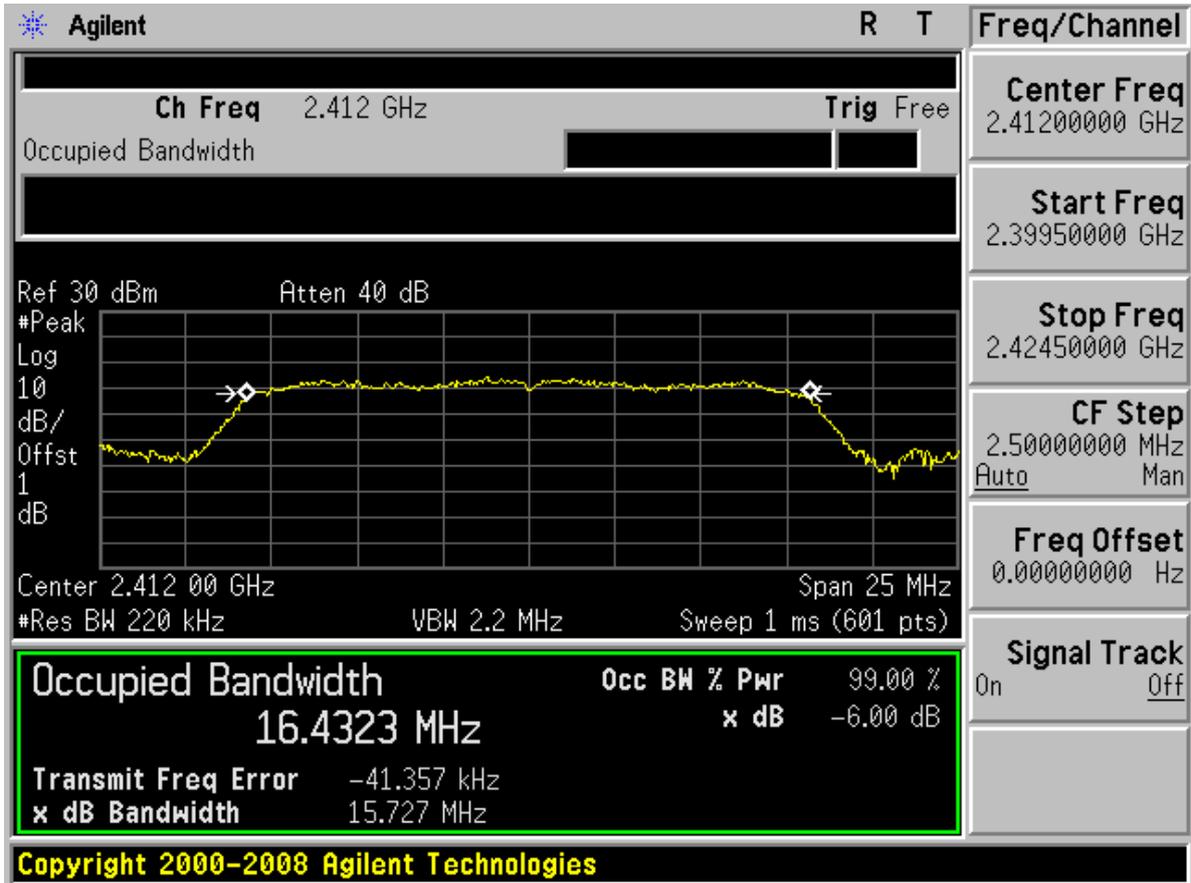


# TM2 Chain 1&2 Channel 01 Chain 1



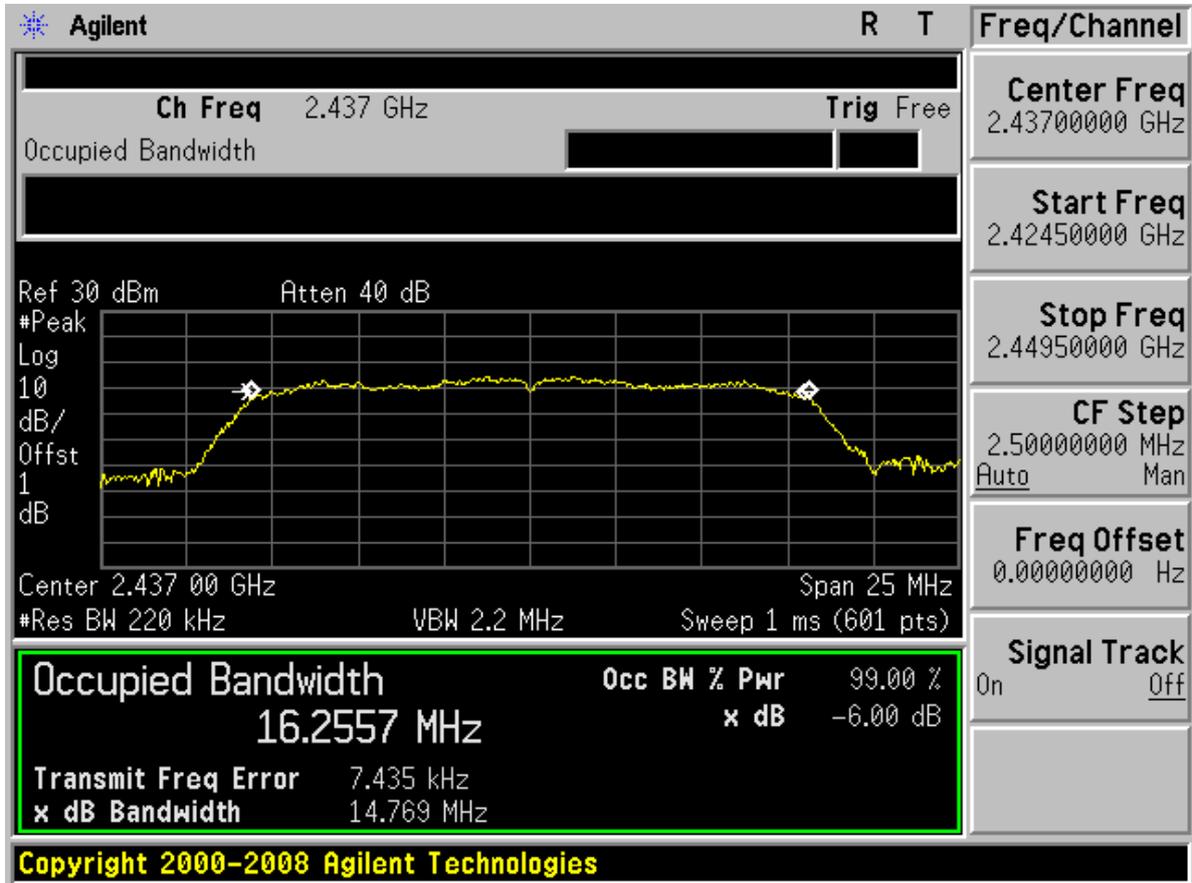


## Chain 2



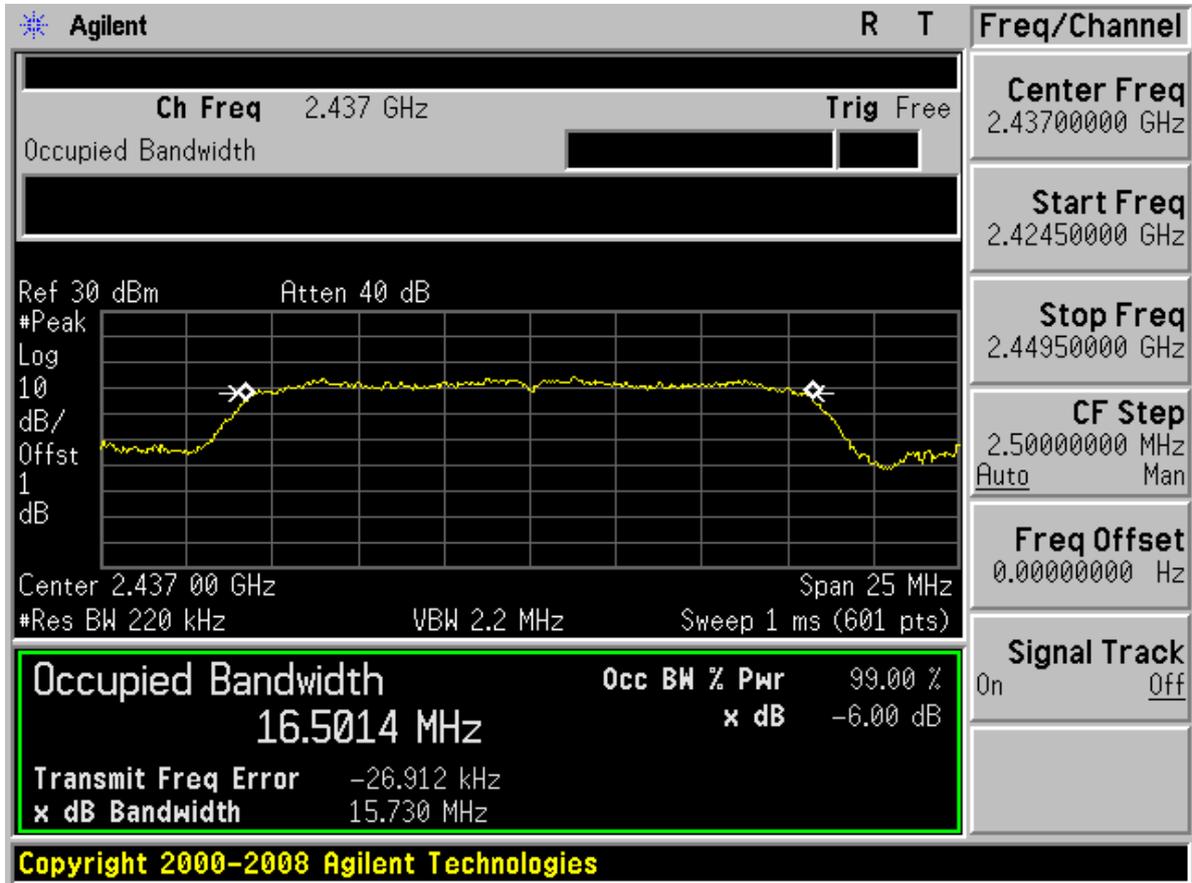


# Channel 06 Chain 1



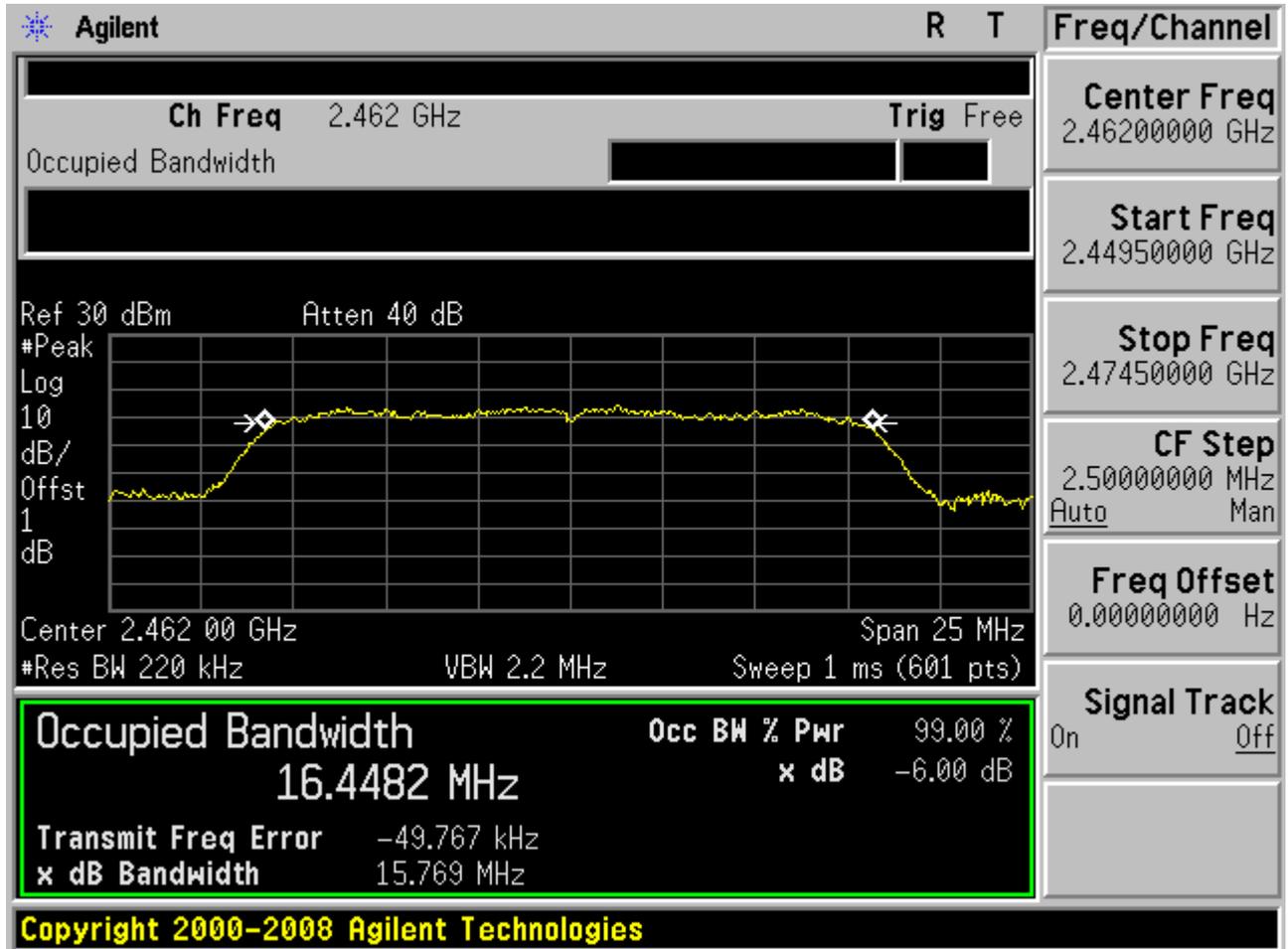


## Chain 2



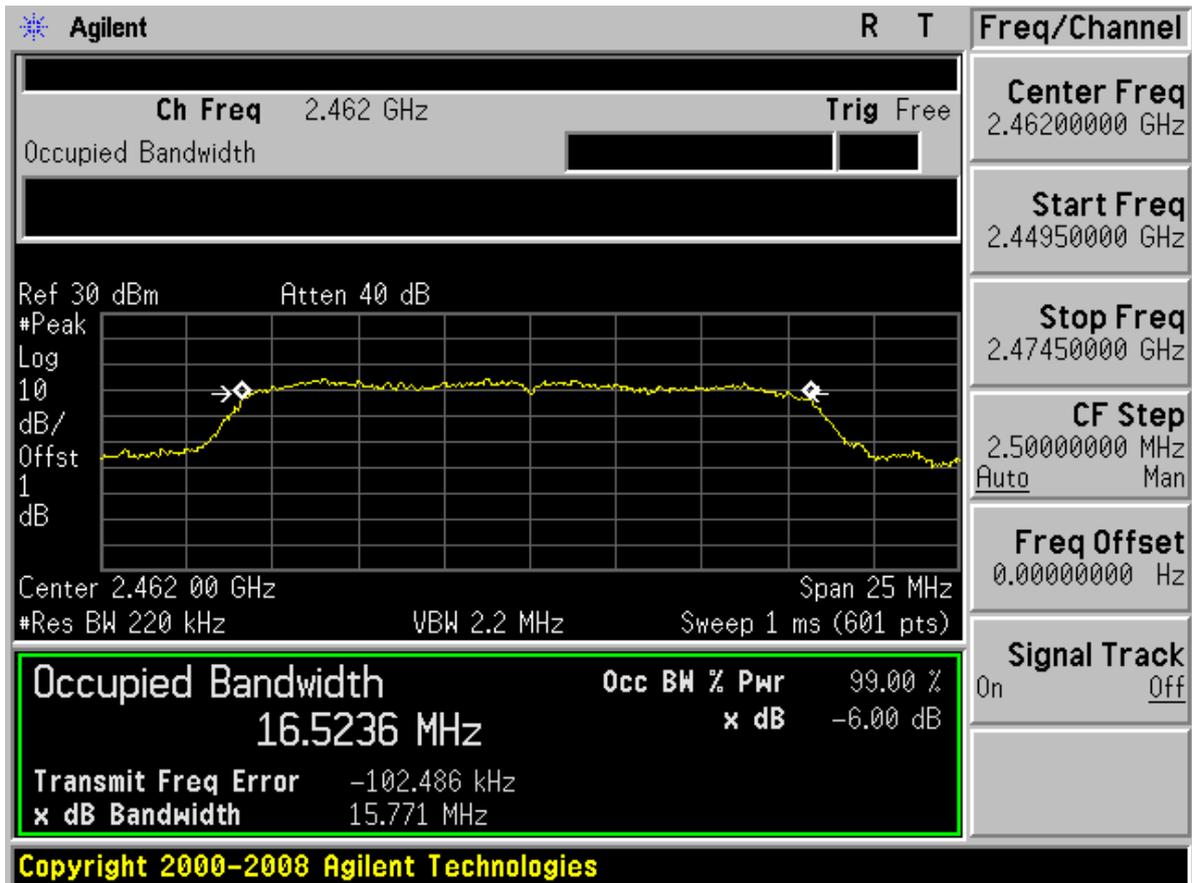


# Channel 11 Chain 1



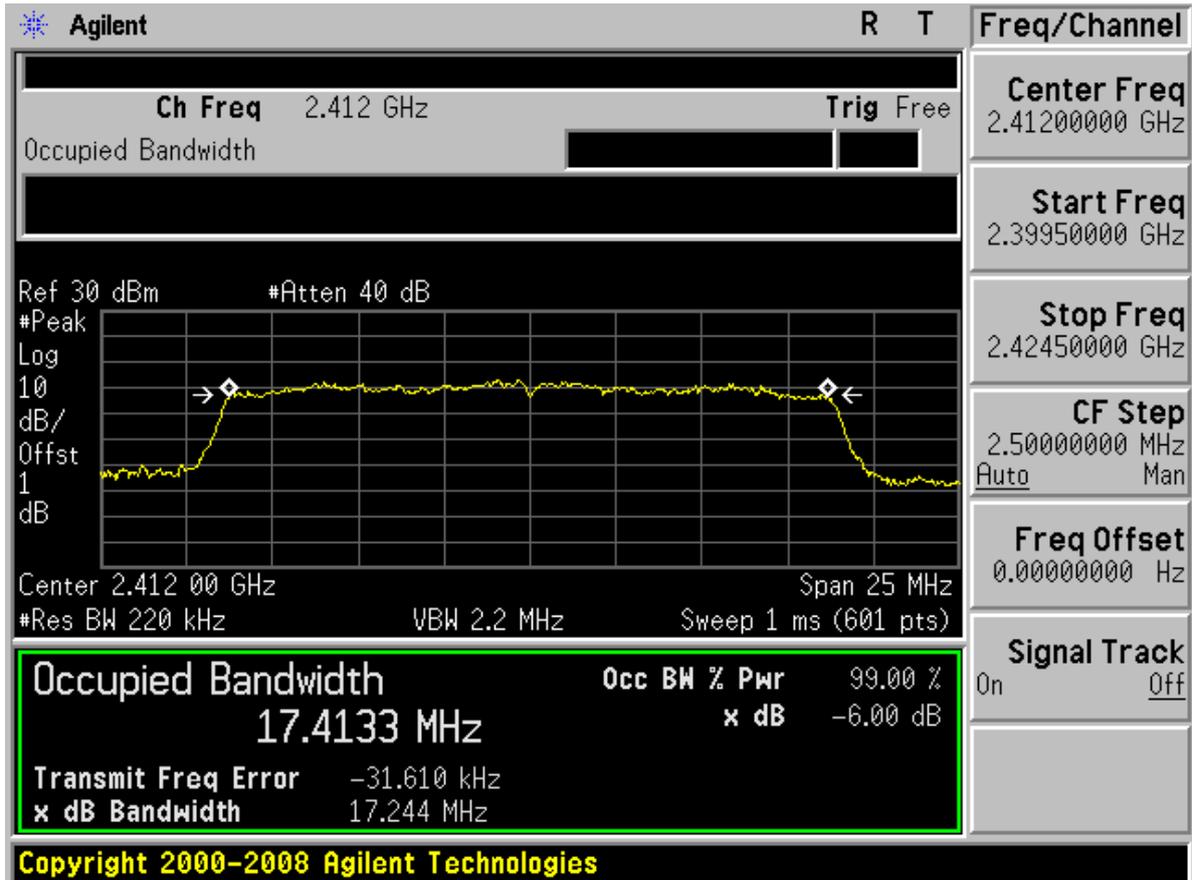


## Chain 2



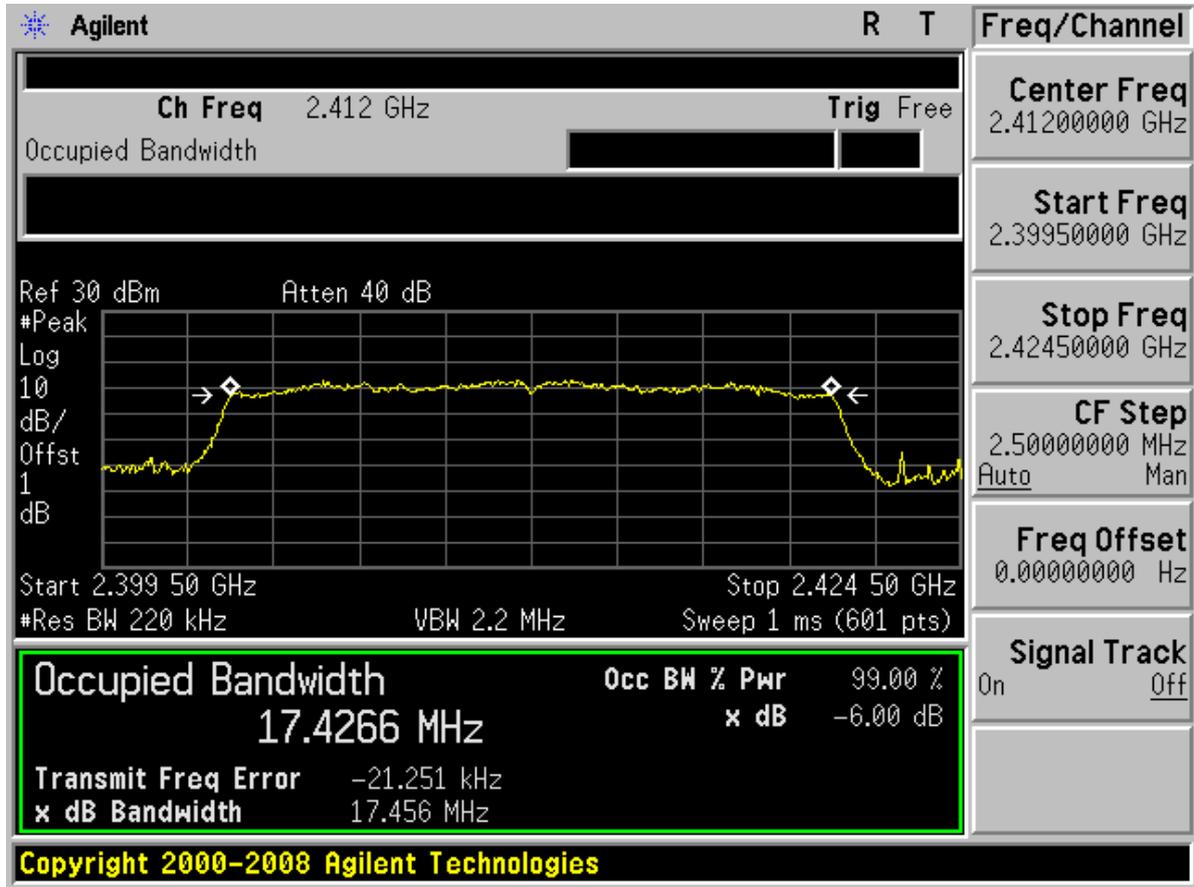


# TM3 Chain 1&2 Channel 01 Chain 1





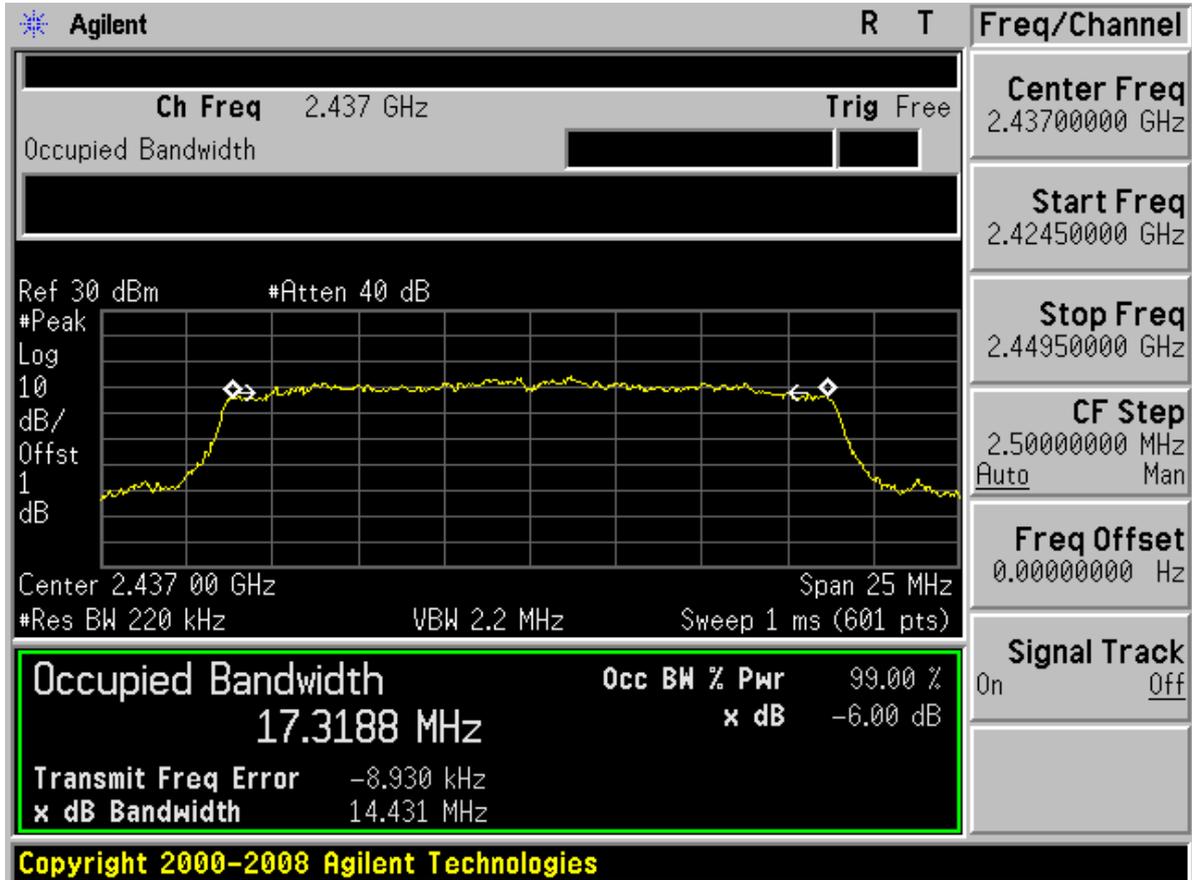
## Chain 2





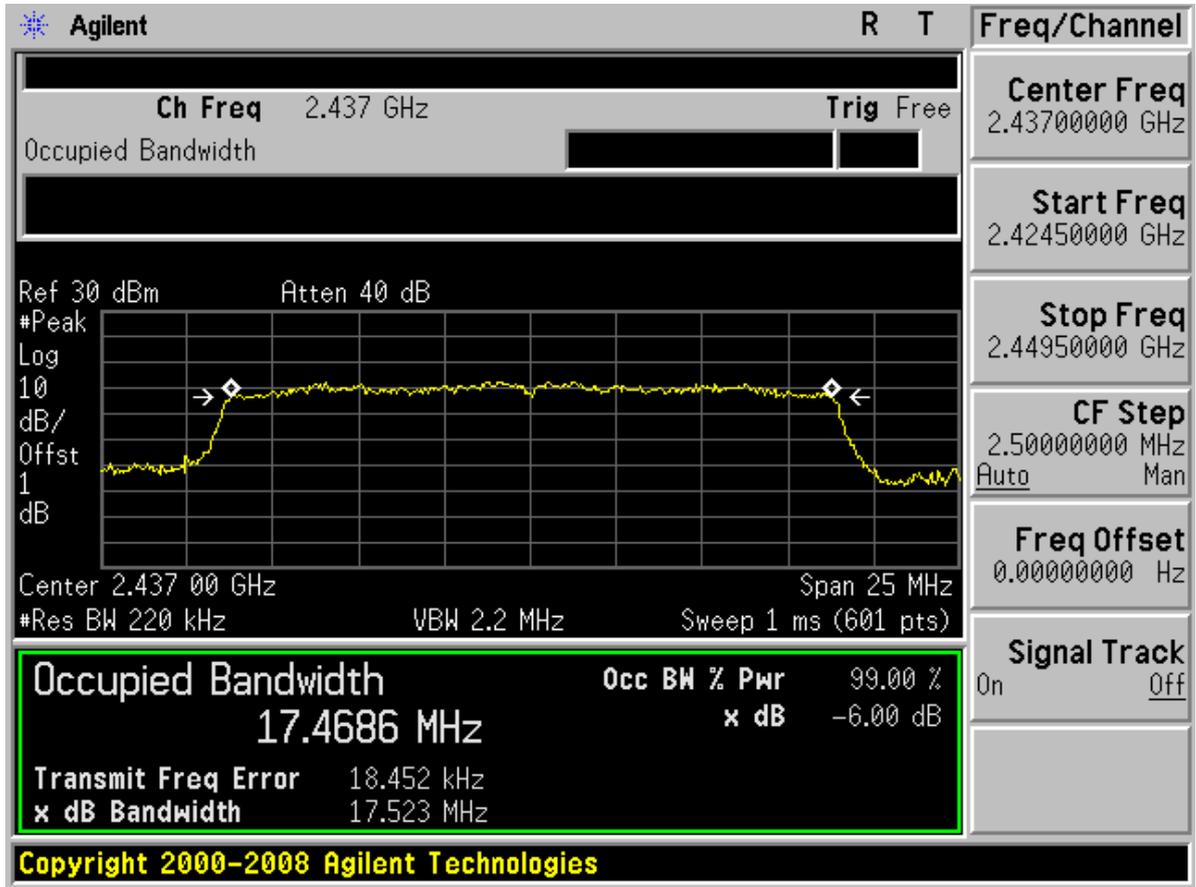
# Channel 06

## Chain 1





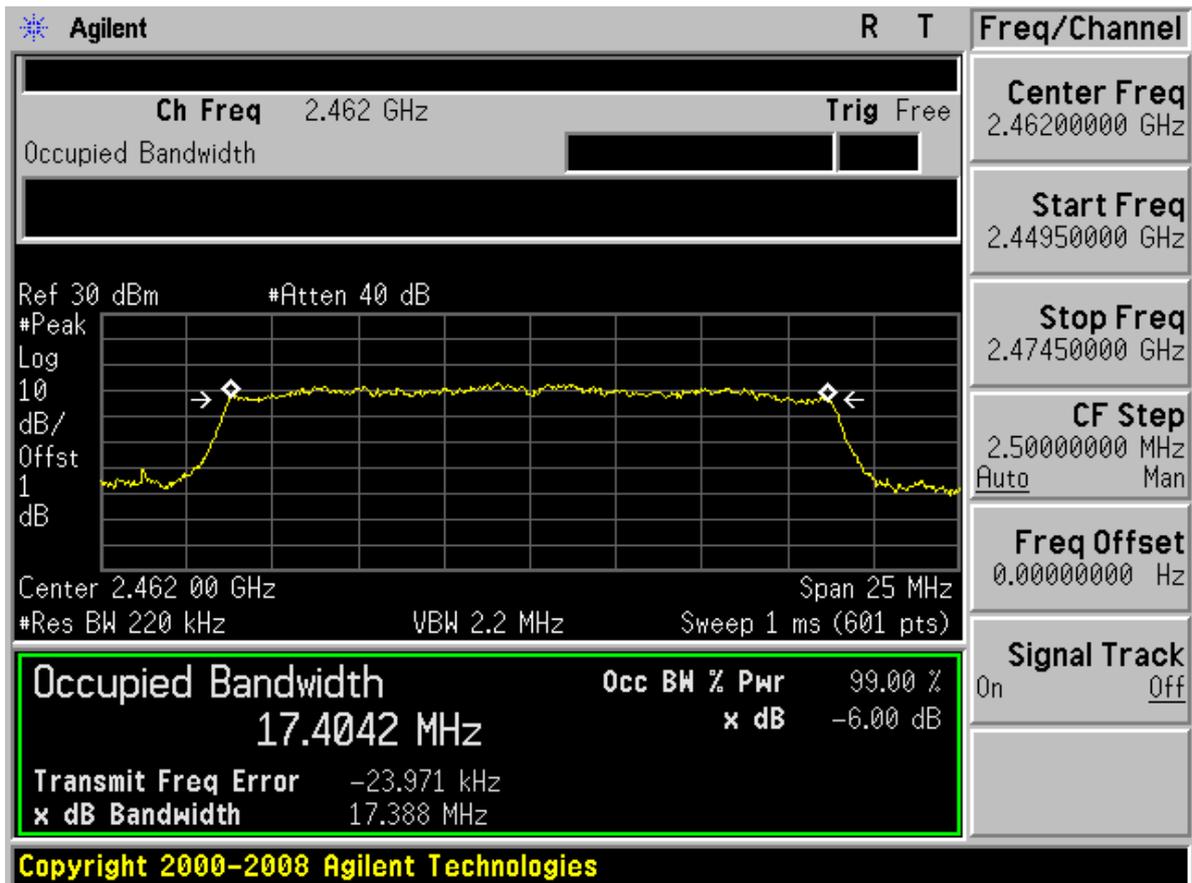
## Chain 2





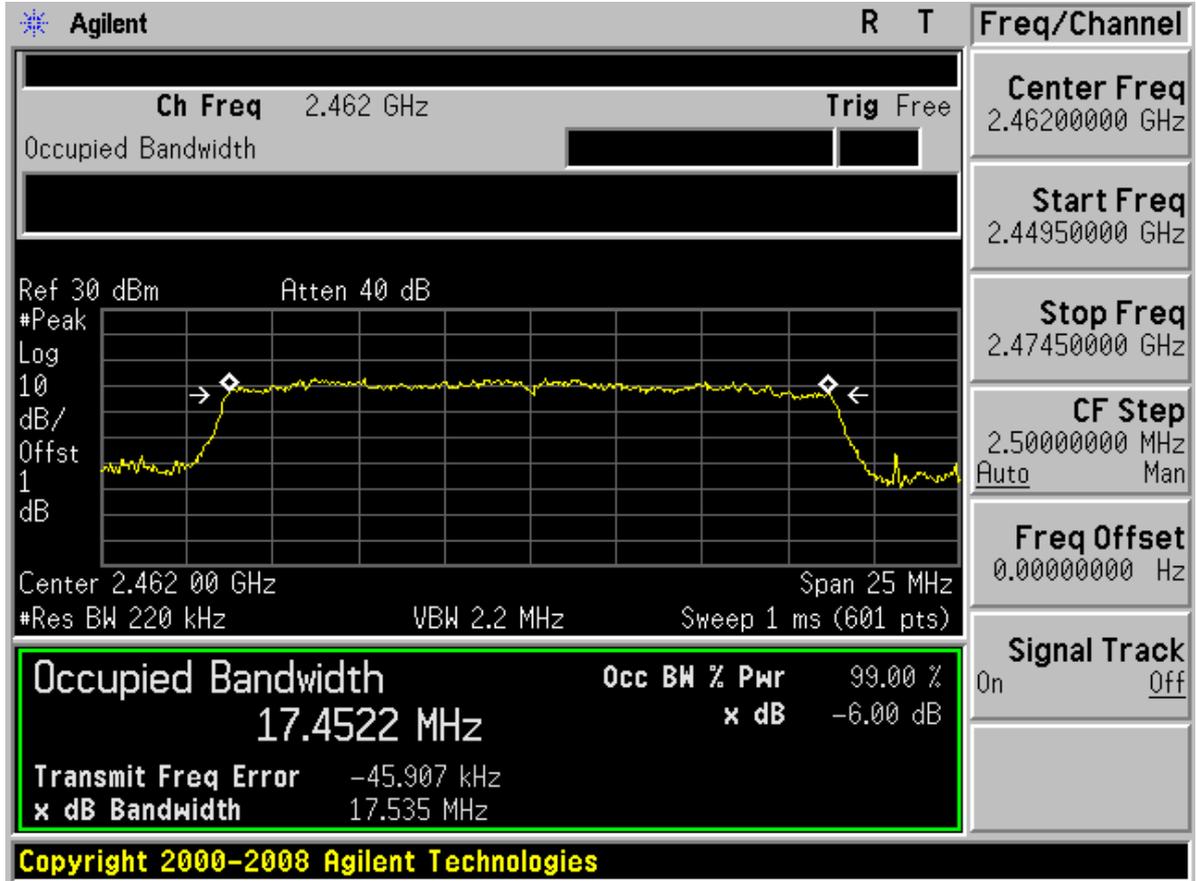
# Channel 11

## Chain 1





## Chain 2

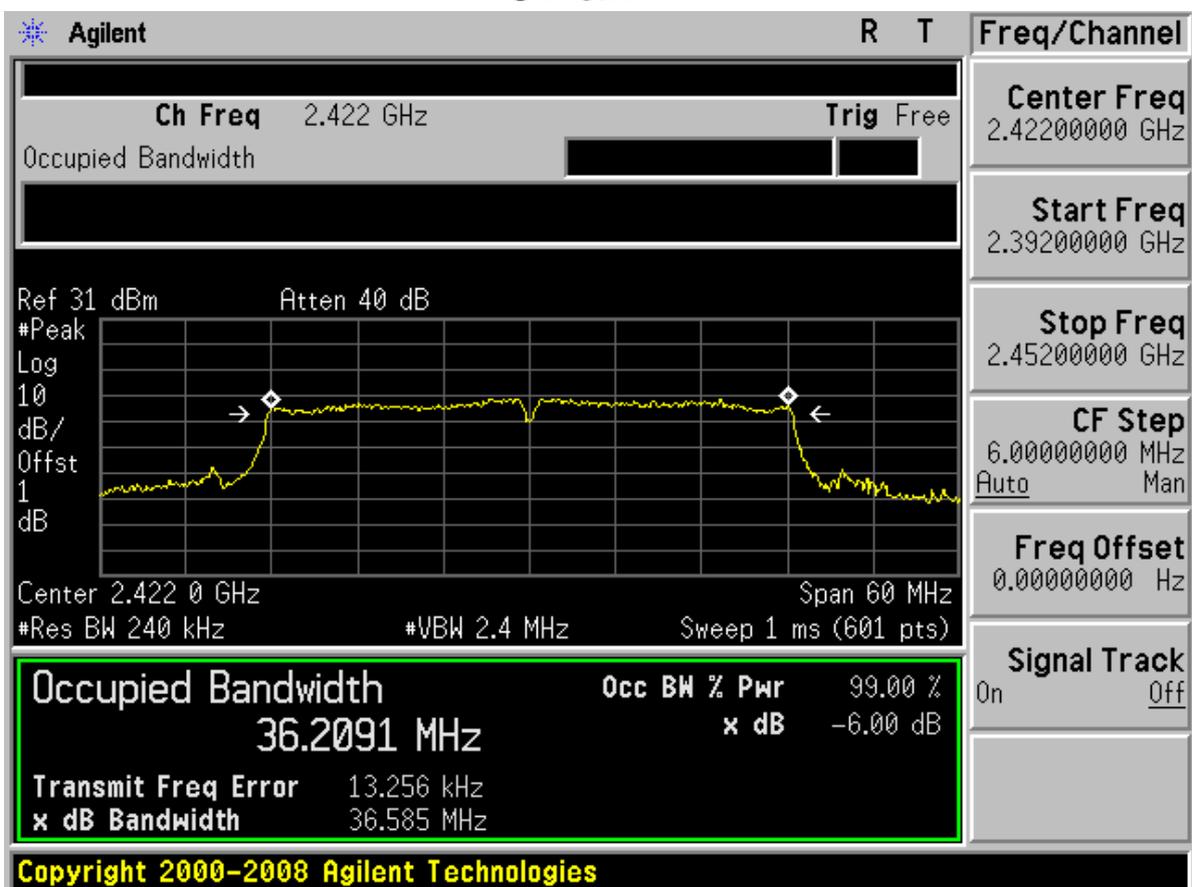




# TM4 Chain 1&2

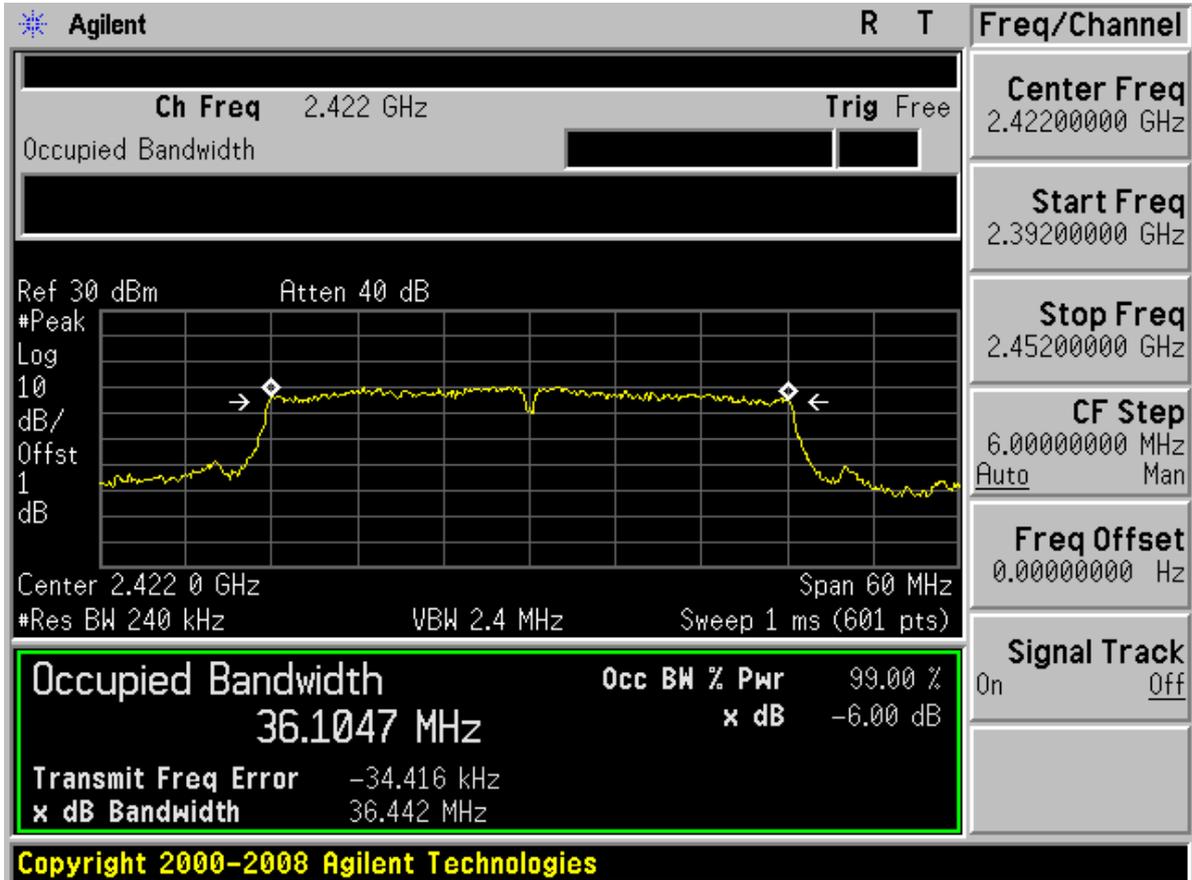
## Channel 03

### Chain 1





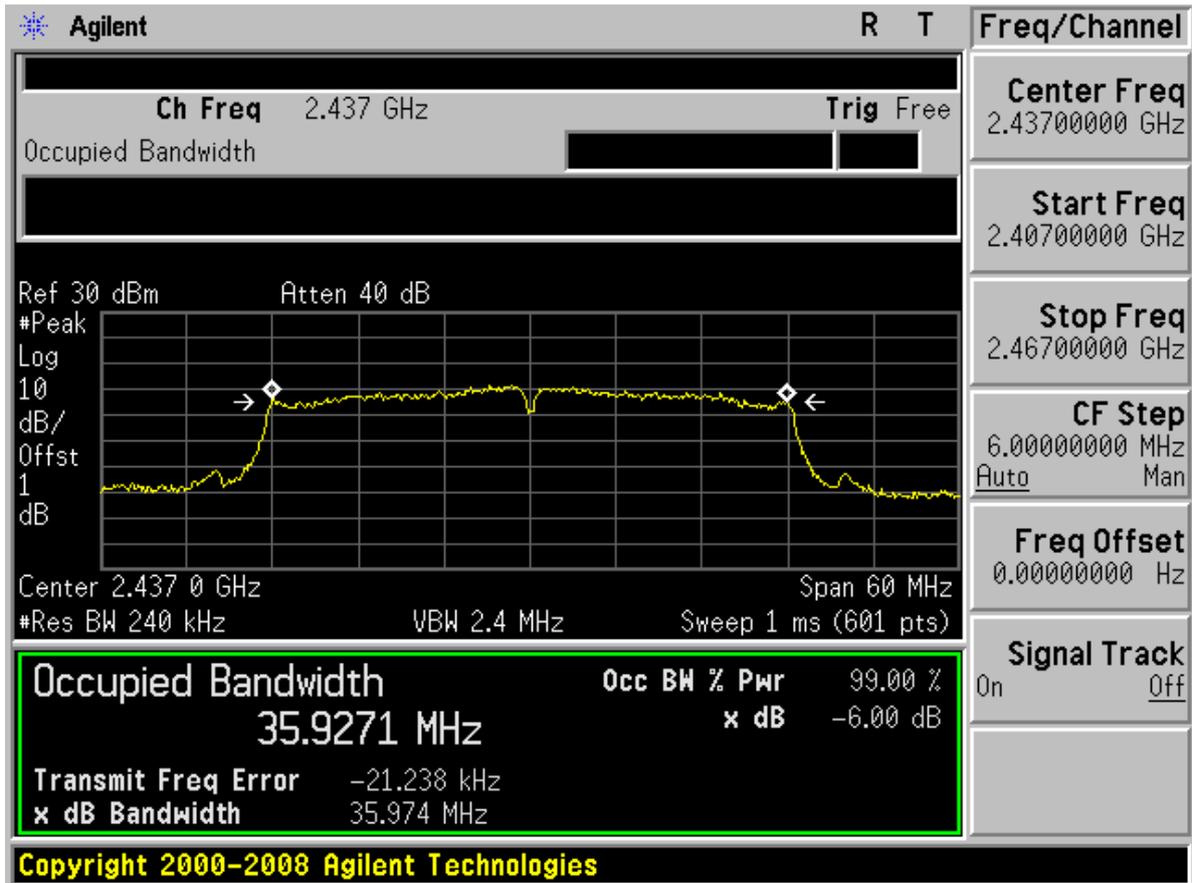
## Chain 2





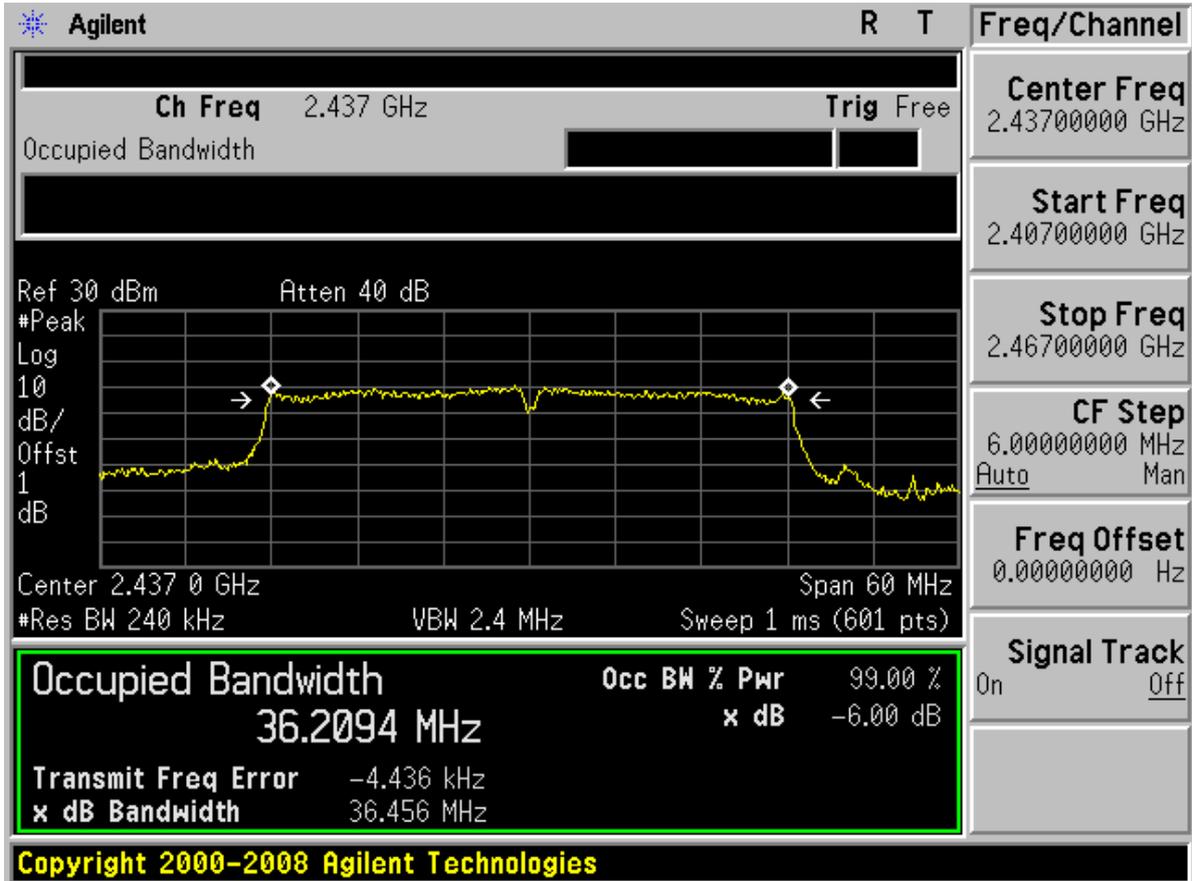
# Channel 06

## Chain 1





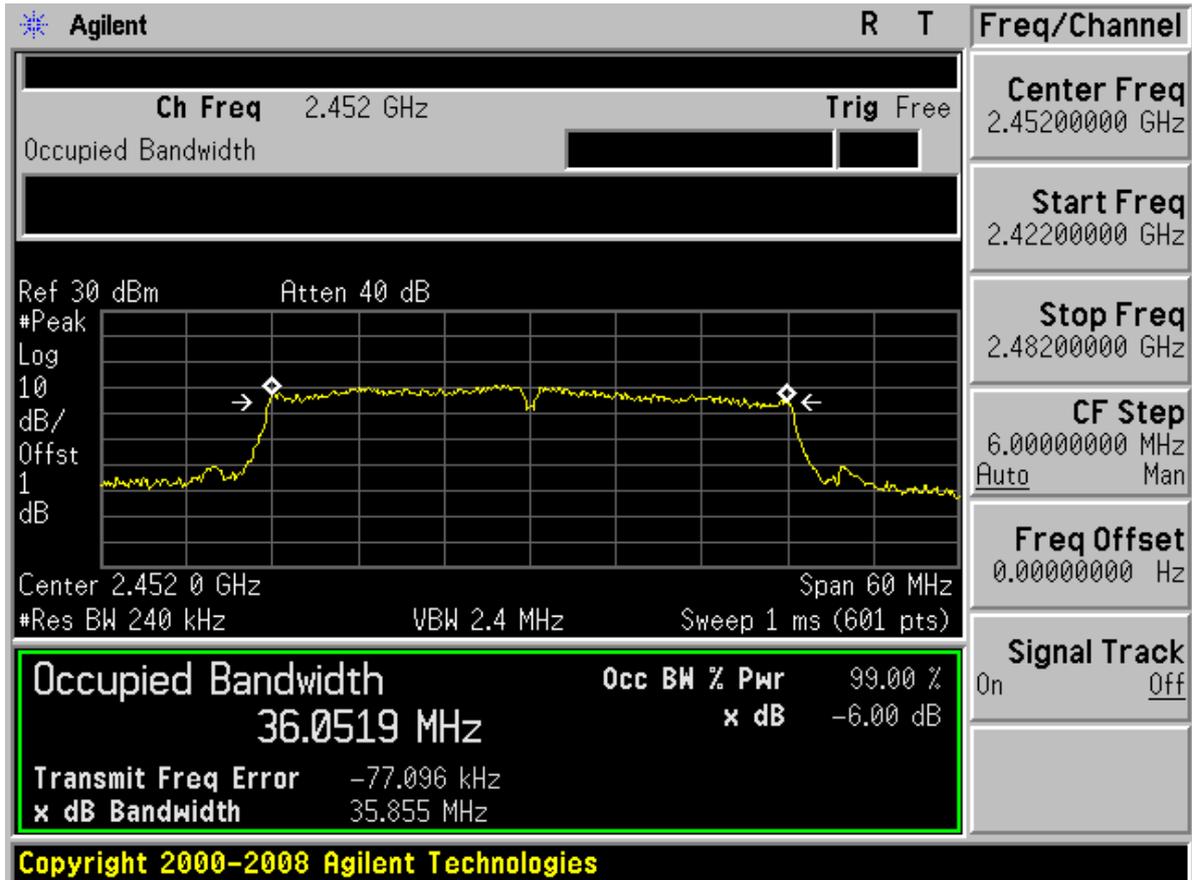
## Chain 2





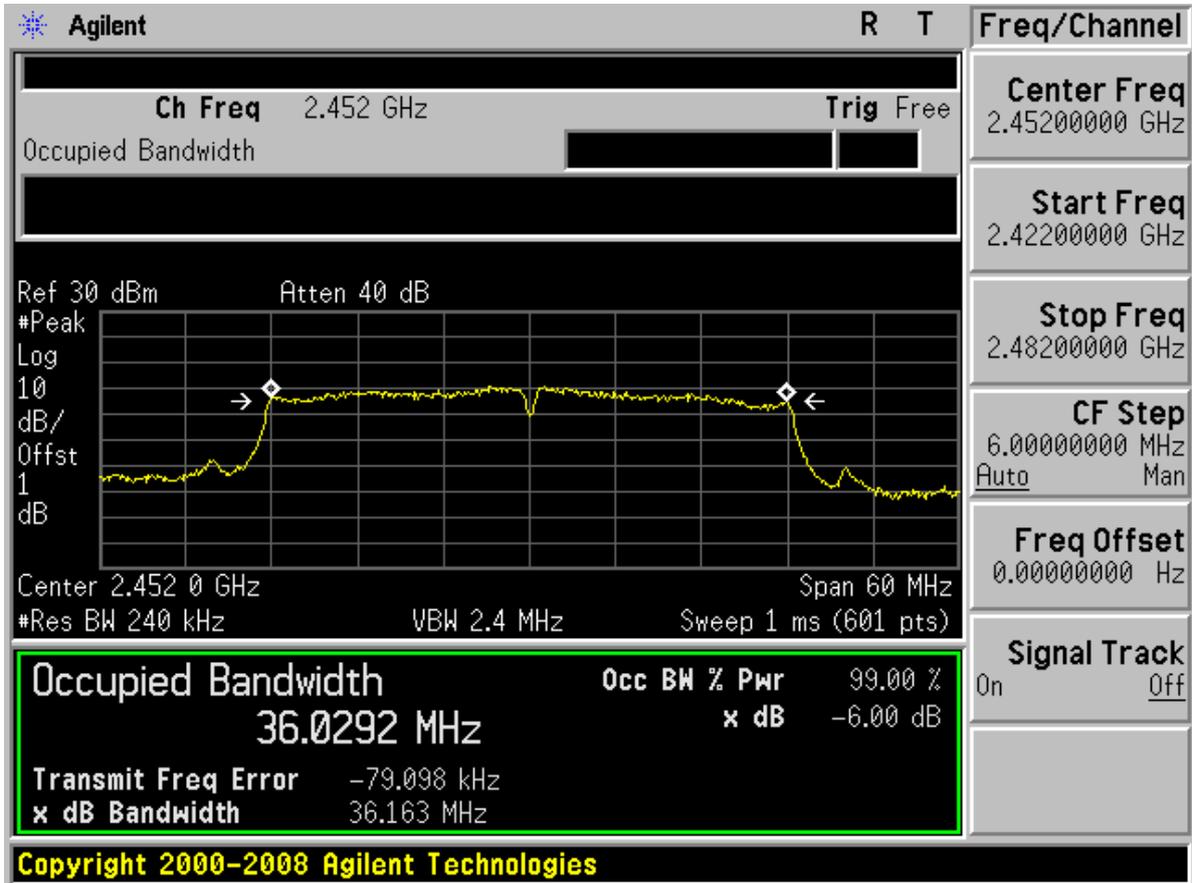
# Channel 09

## Chain 1





# Chain 2

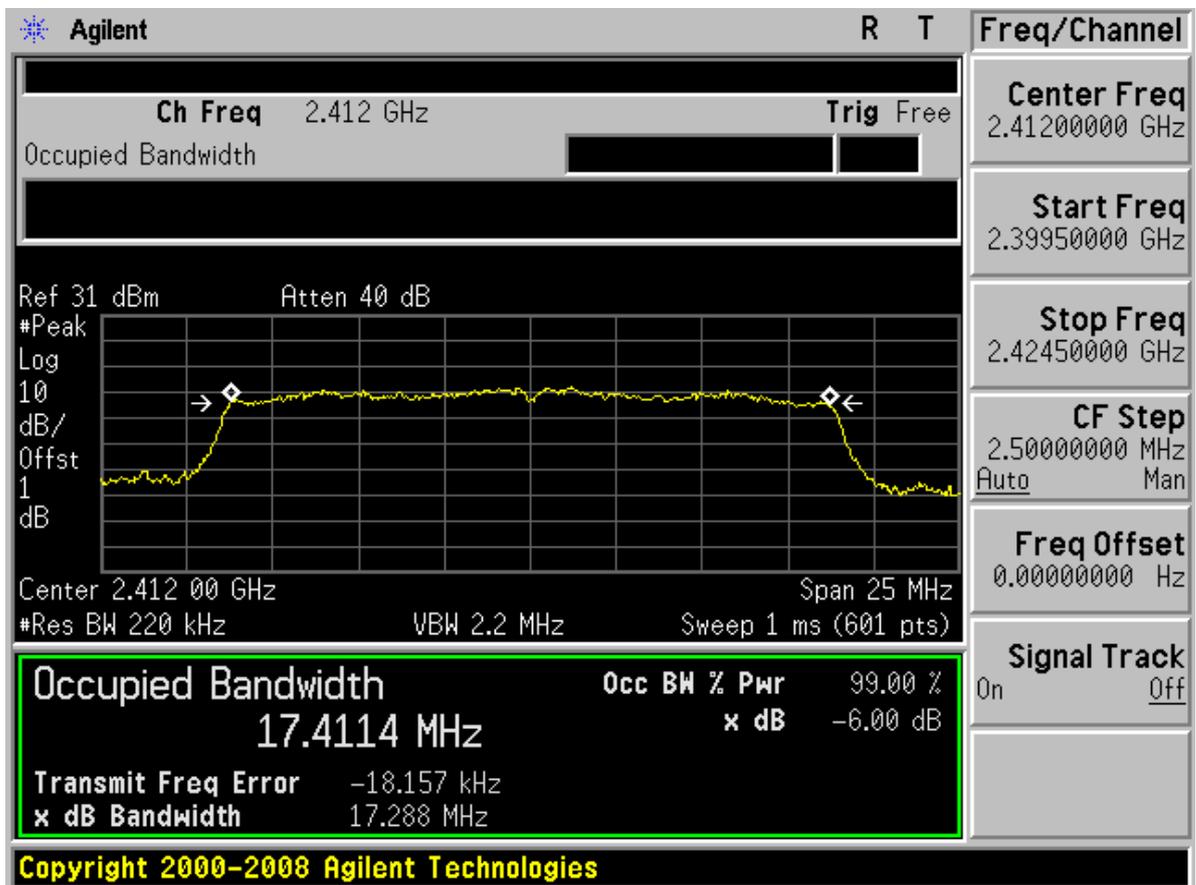




# TM5 Chain 1&2

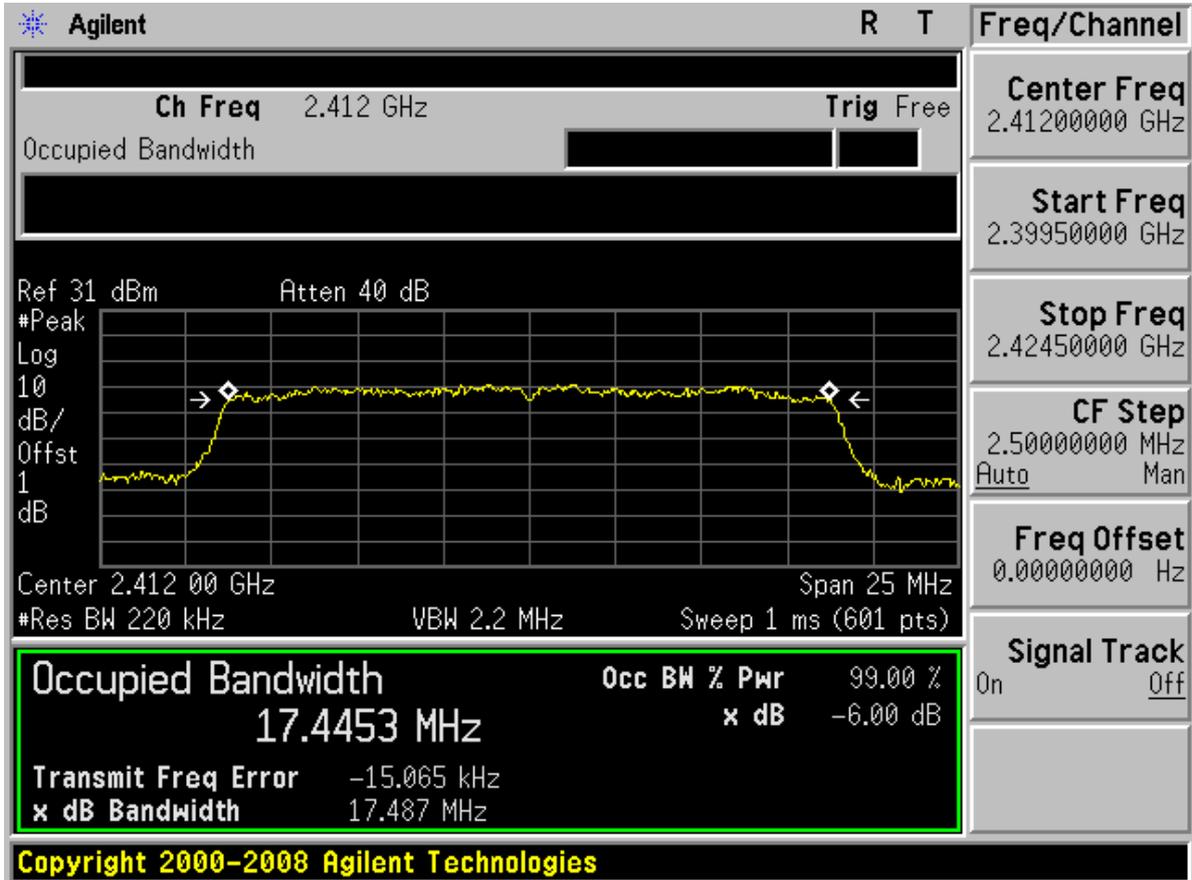
## Channel 01

### Chain 1





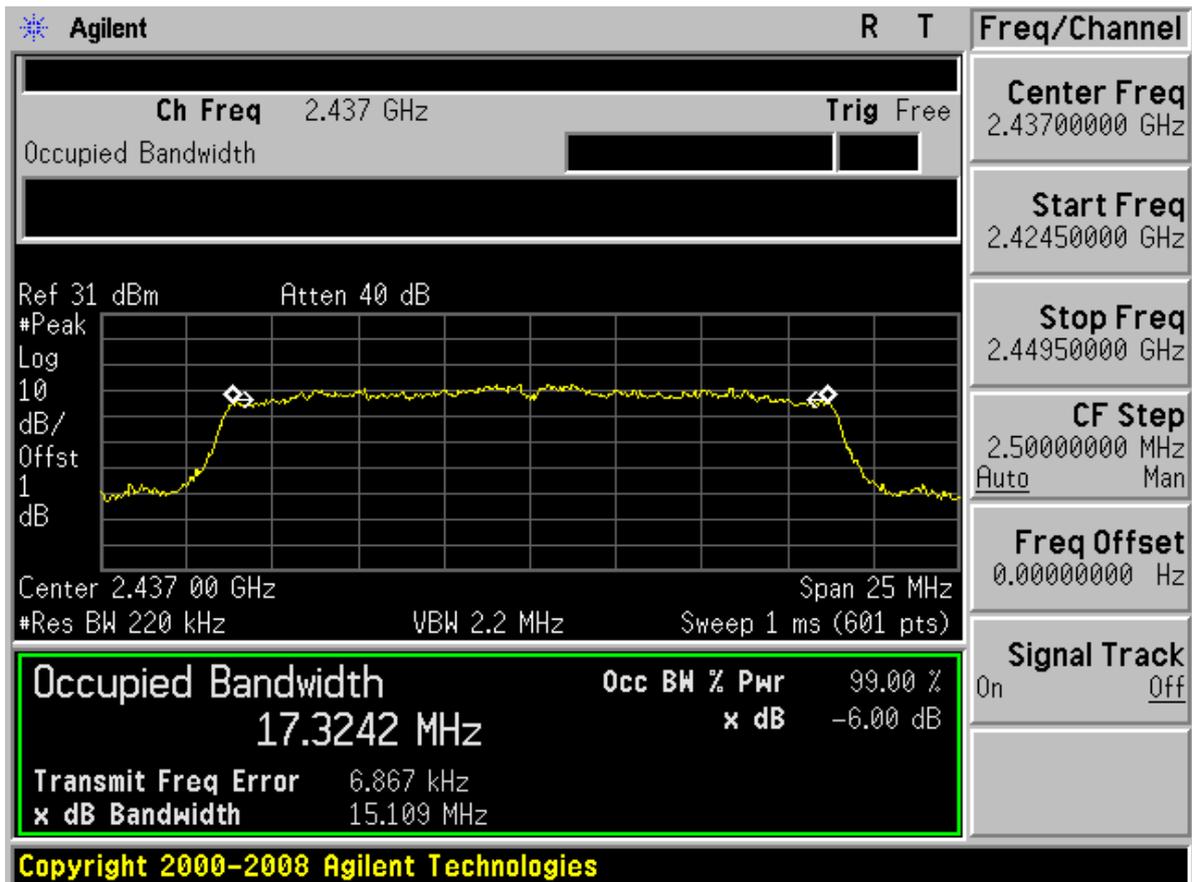
# Chain 2





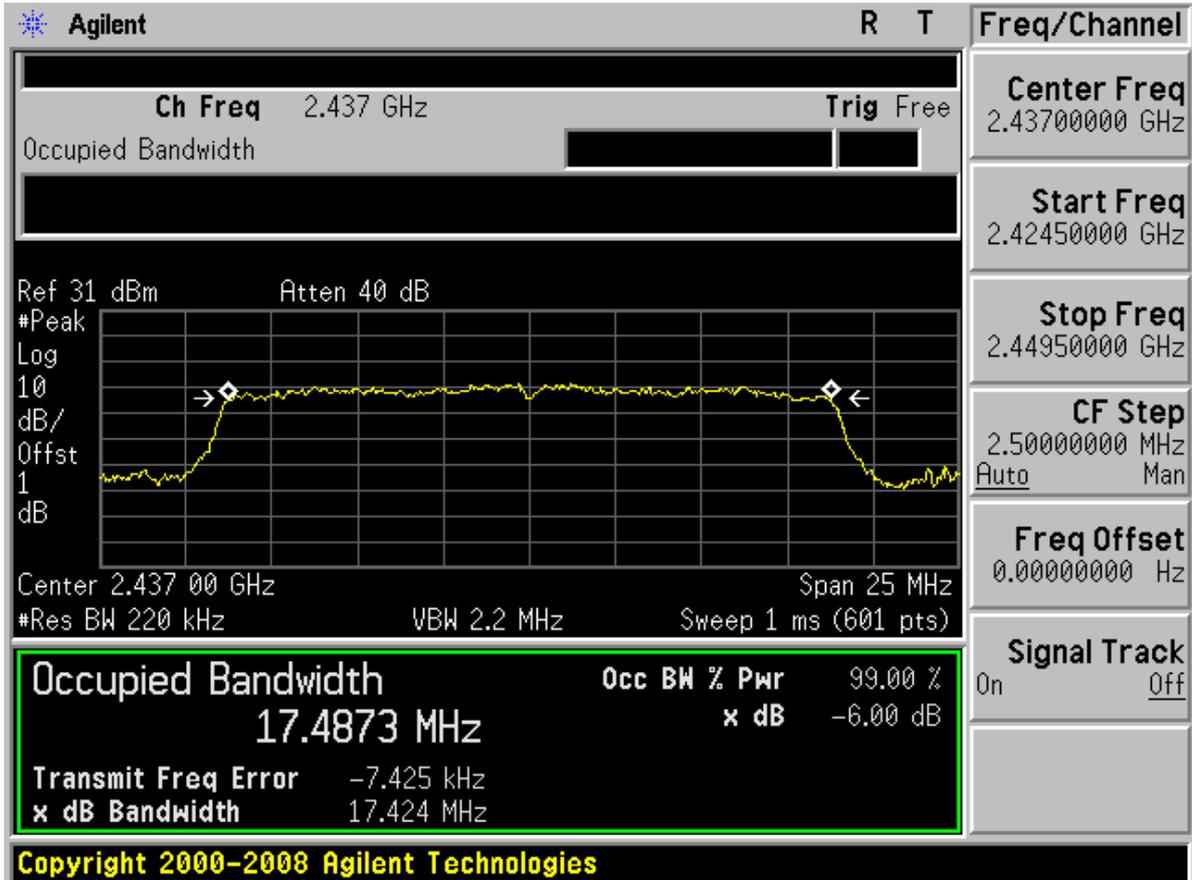
# Channel 06

## Chain 1





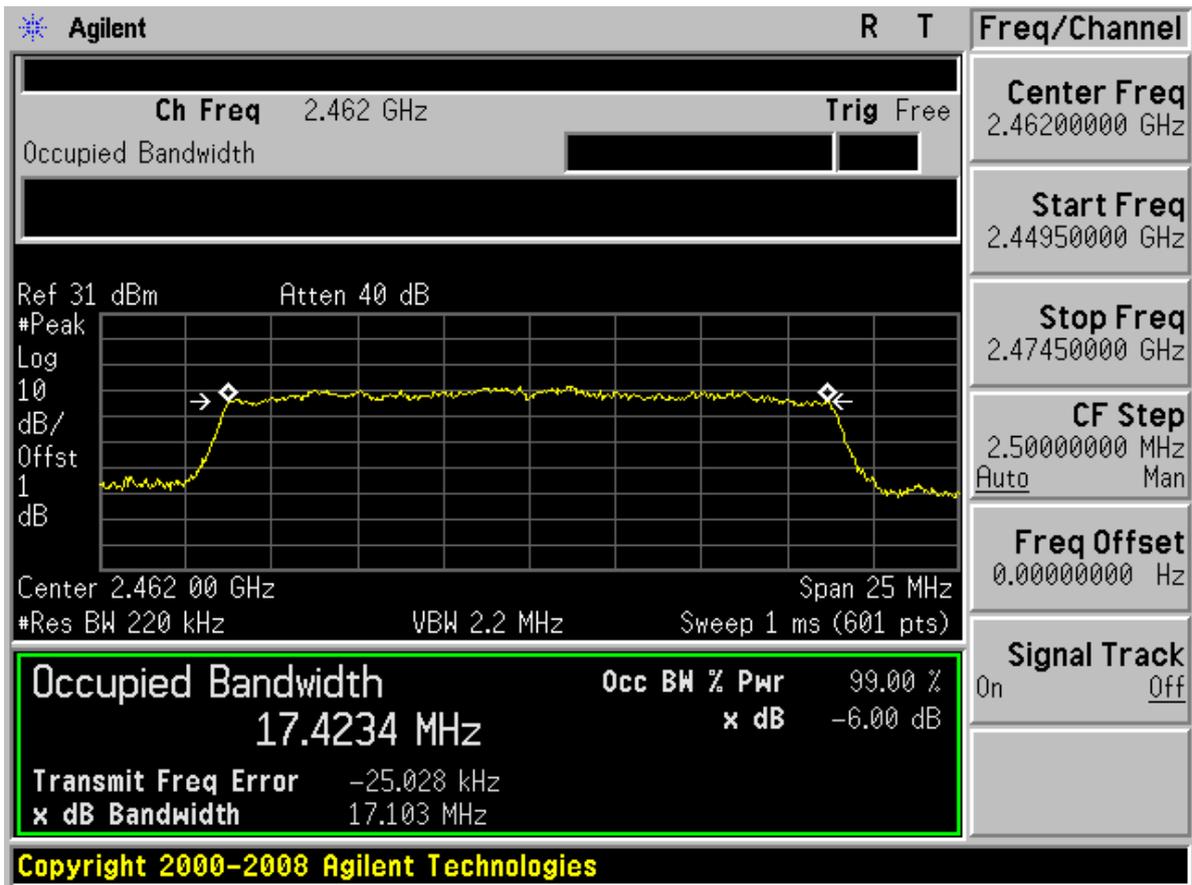
# Chain 2





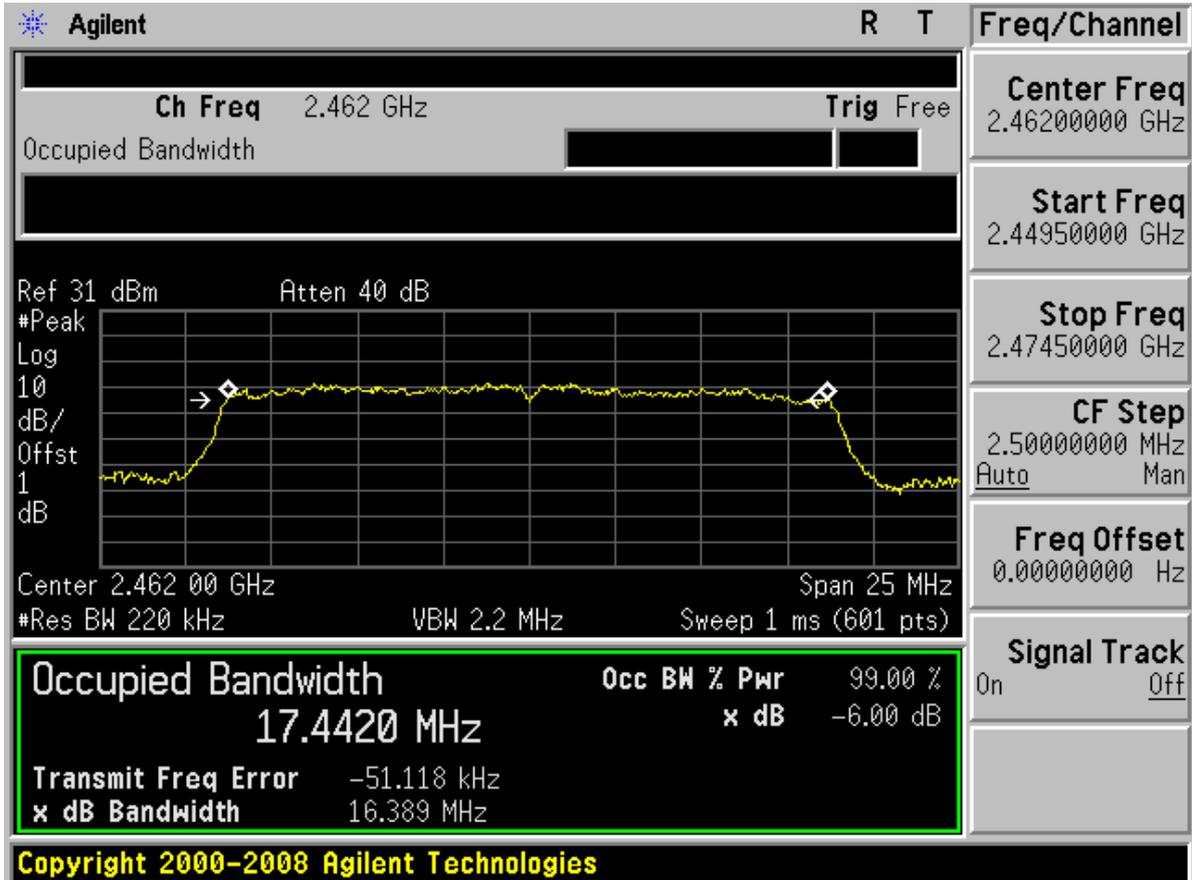
# Channel 11

## Chain 1





# Chain 2

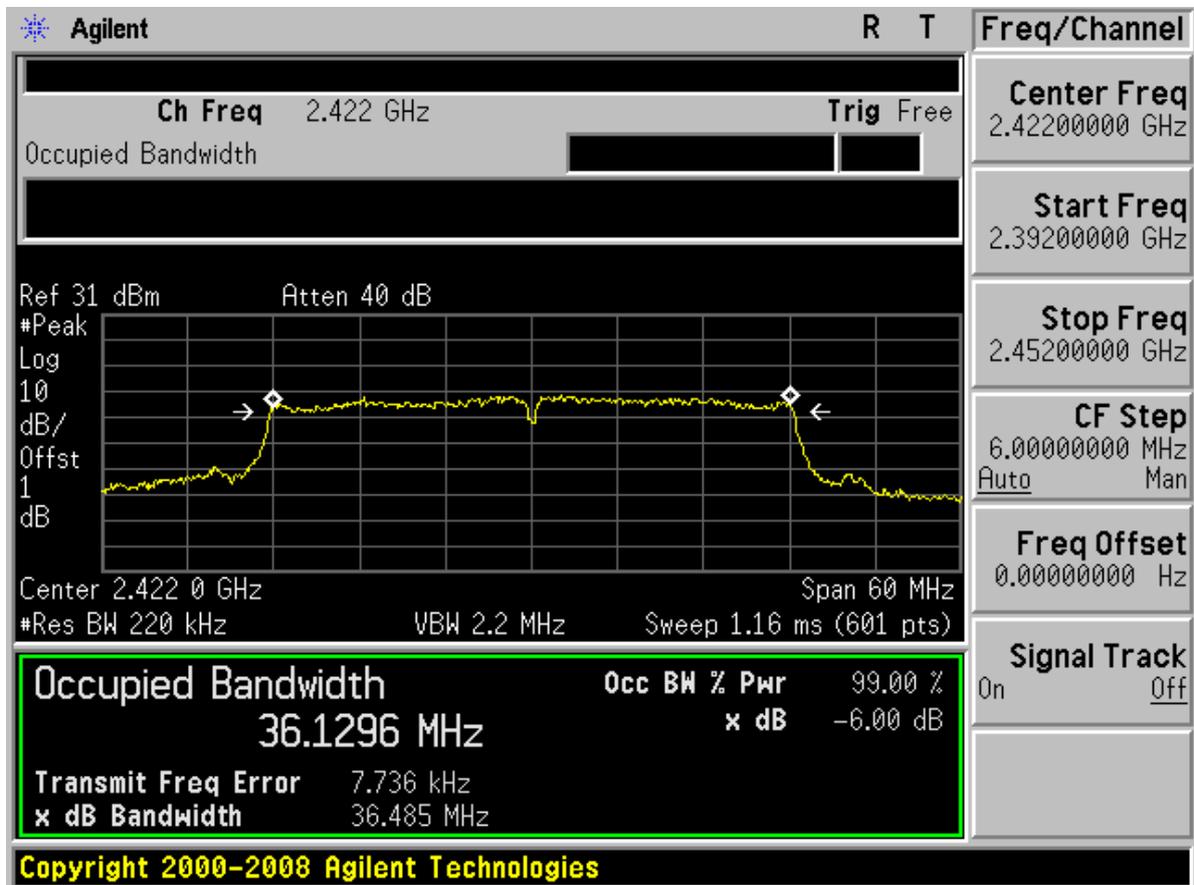




# TM6 Chain 1&2

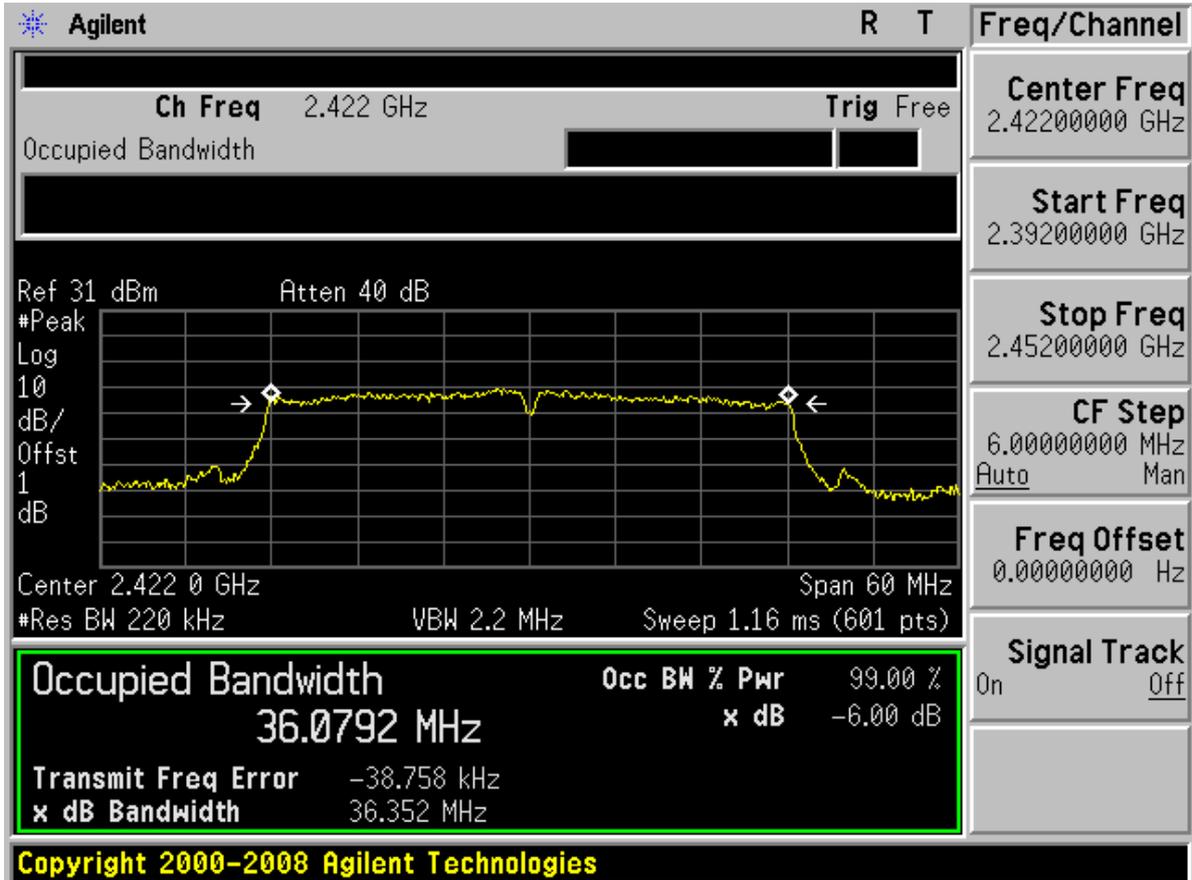
## Channel 03

### Chain 1





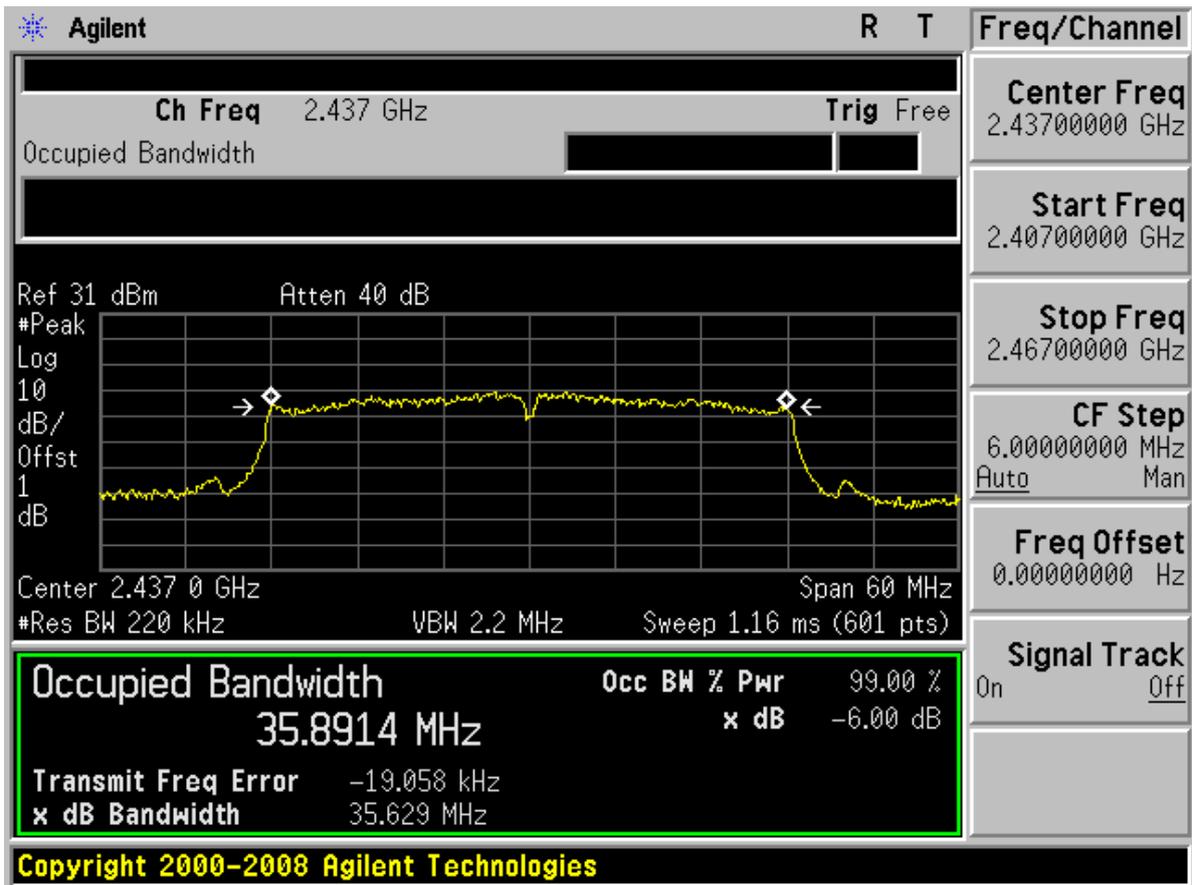
# Chain 2





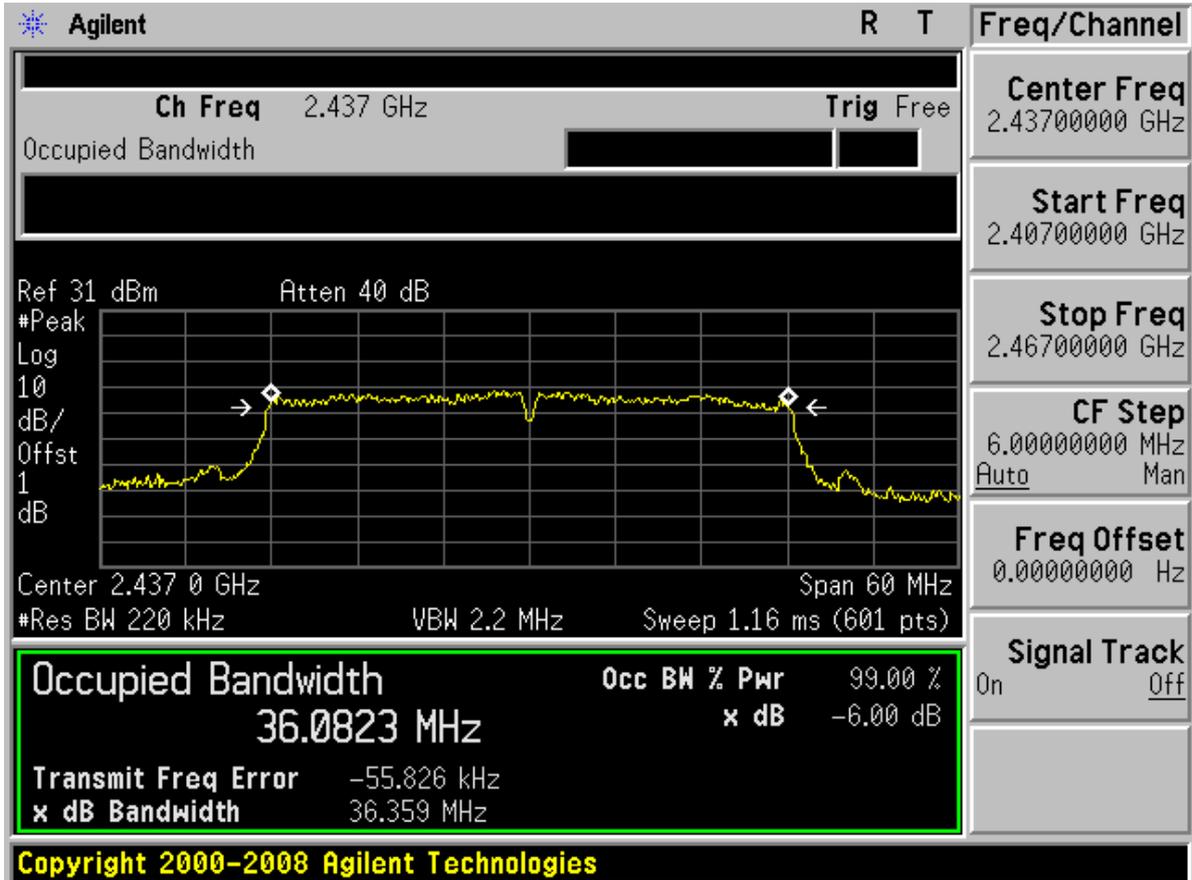
# Channel 06

## Chain 1





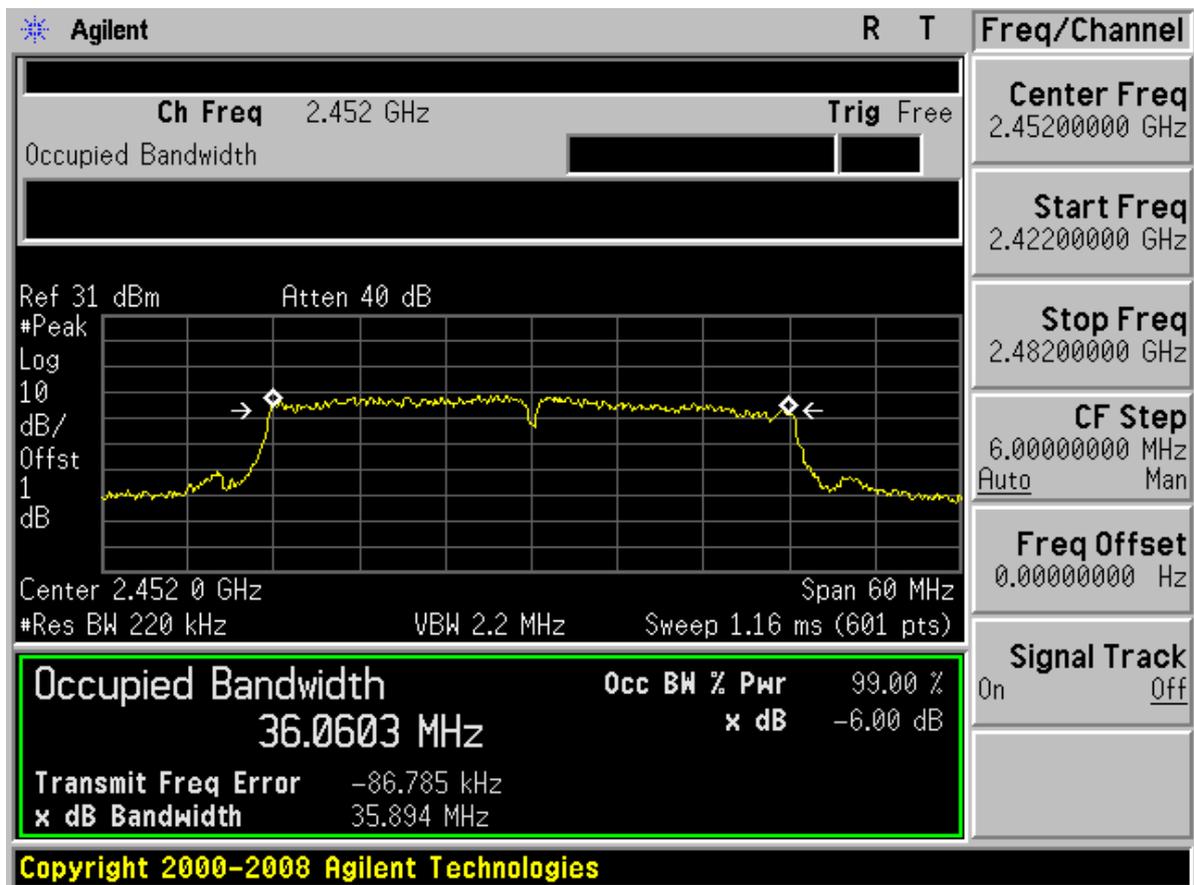
# Chain 2





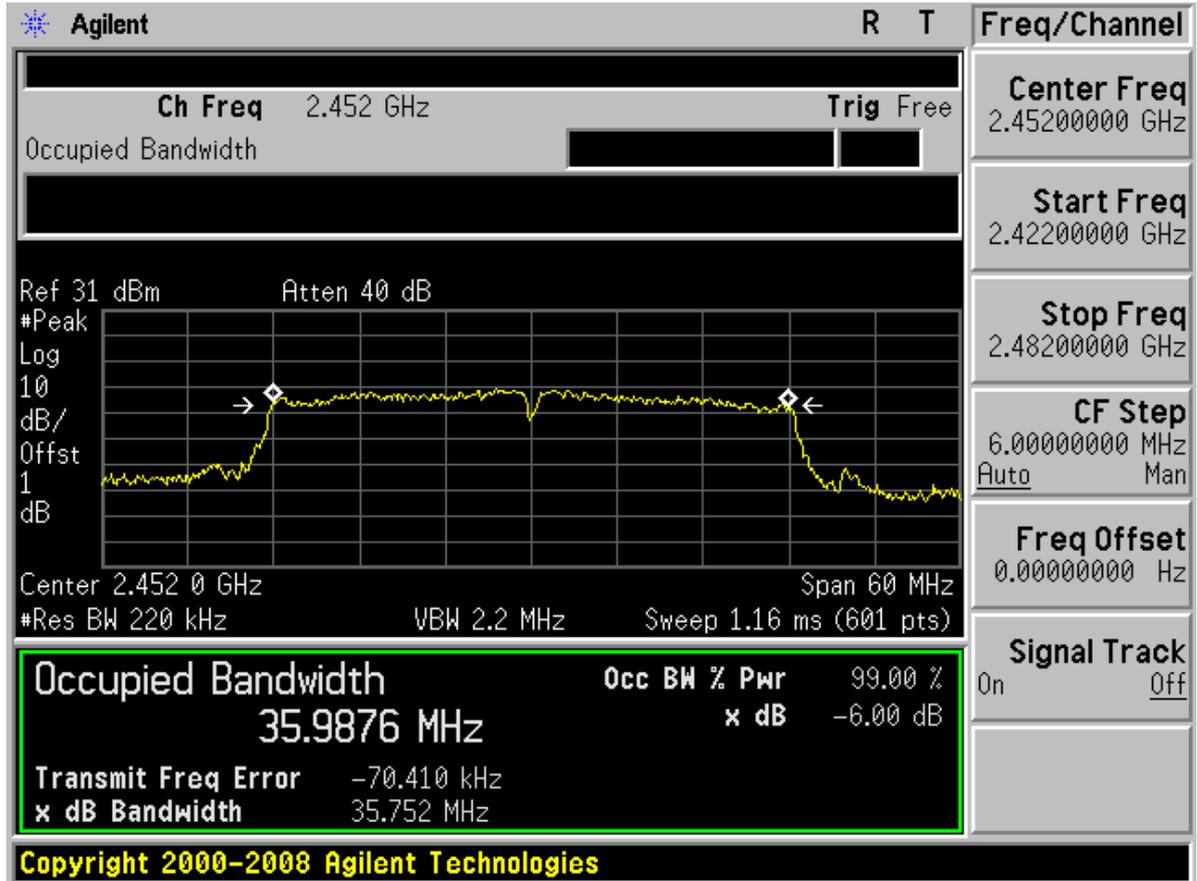
# Channel 09

## Chain 1





## Chain 2



-----The END-----



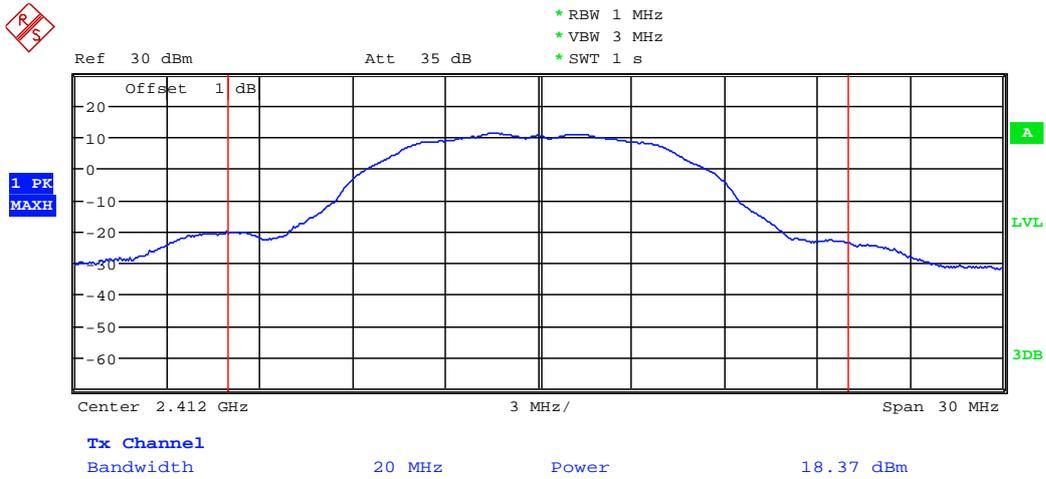
## **Appendix B**

# Conducted Peak output power

According to FCC Part 15.247 (b) (3)



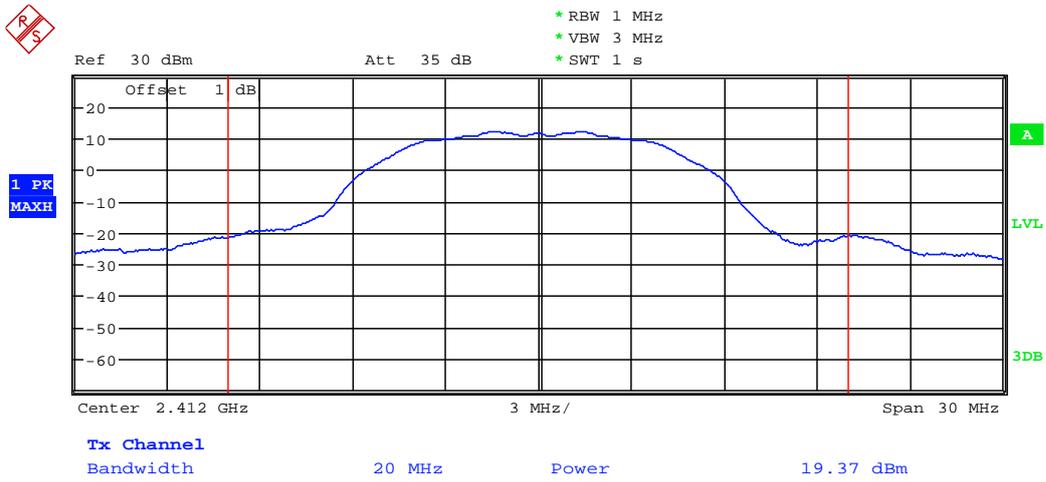
# TM1 Chain 1&2 Channel 01 (2412MHz) Chain 1



Date: 27.APR.2012 18:45:43



# Chain 2



Date: 27.APR.2012 18:53:02



# Channel 06 (2437MHz)

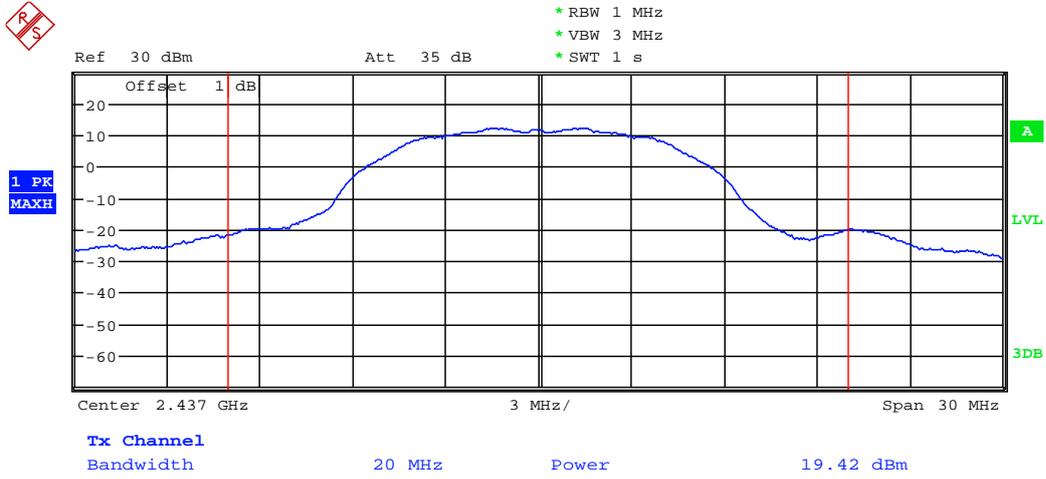
## Chain 1



Date: 27.APR.2012 18:44:58



# Chain 2

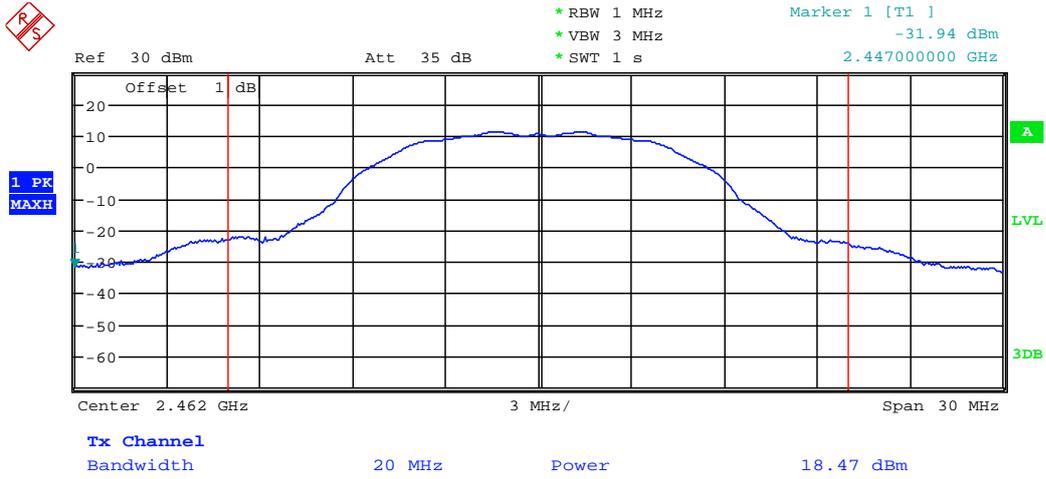


Date: 27.APR.2012 18:53:48



# Channel 11 (2462MHz)

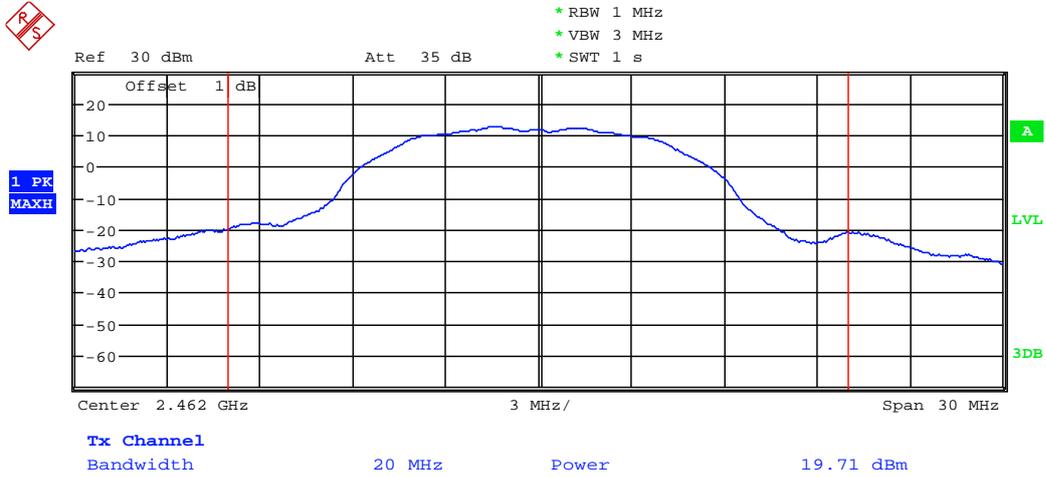
## Chain 1



Date: 27.APR.2012 18:43:19



# Chain 2

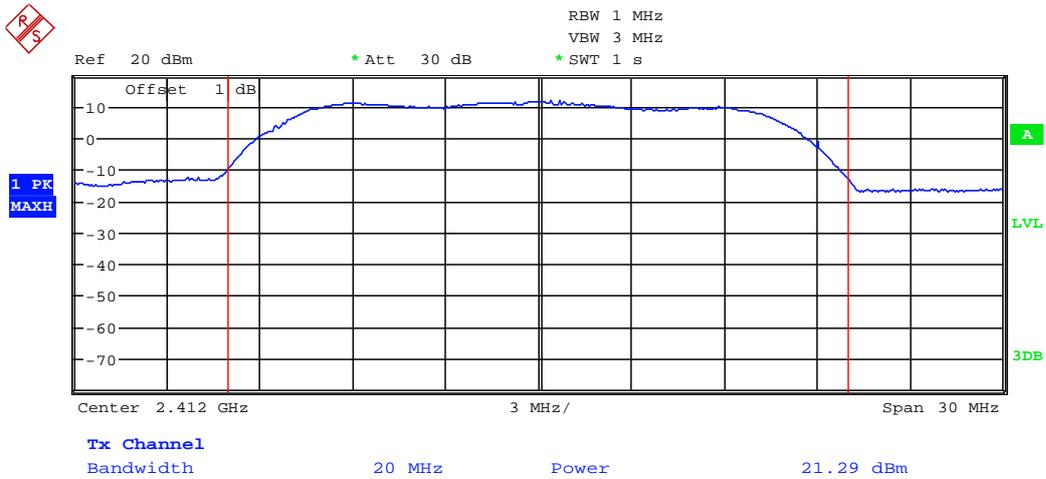


Date: 27.APR.2012 18:54:31



# TM2 Chain 1&2 Channel 01 (2412MHz)

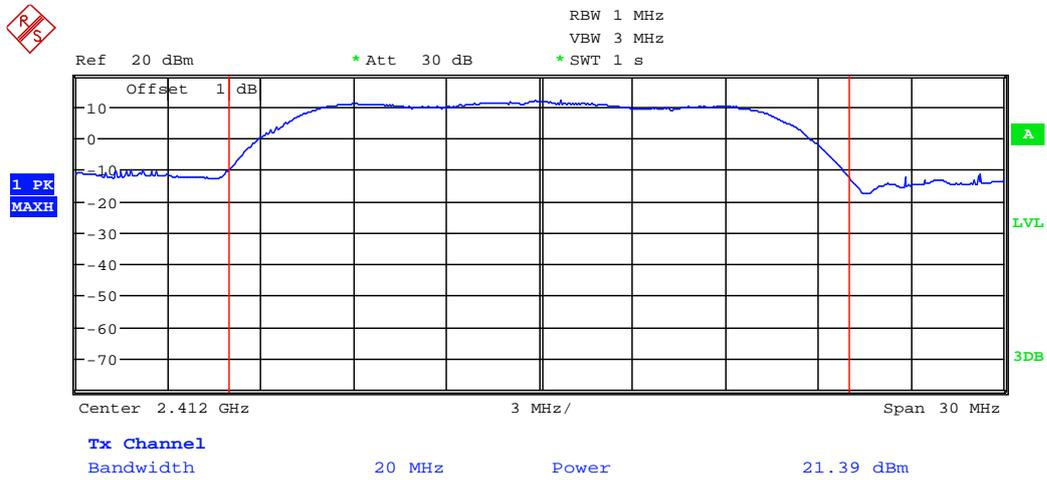
## Chain 1



Date: 28.APR.2012 16:47:50



# Chain 2

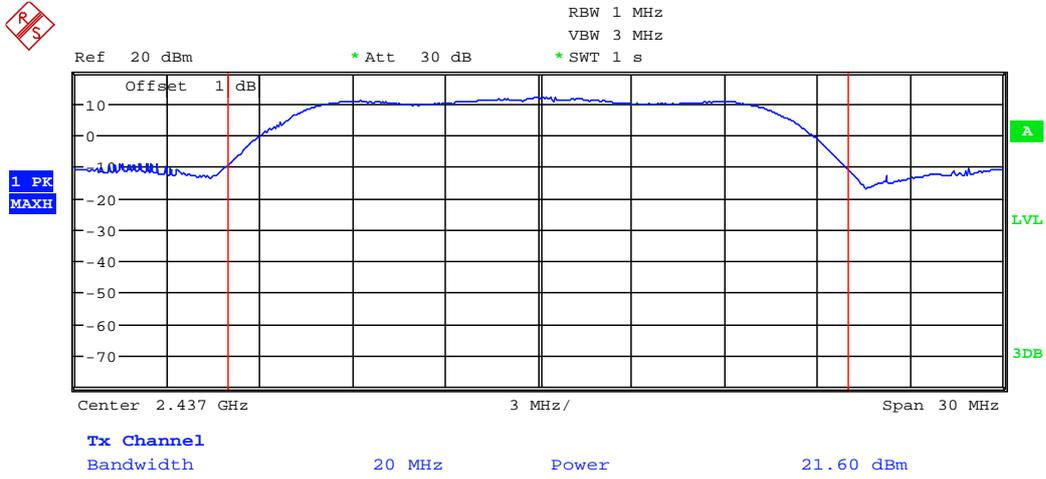


Date: 28.APR.2012 16:50:40





# Chain 2

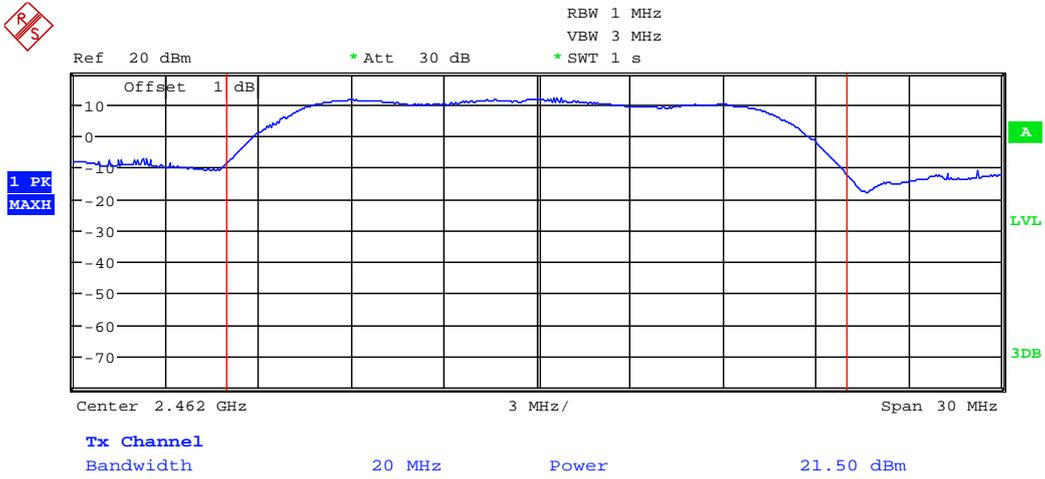


Date: 28.APR.2012 16:49:44





# Chain 2

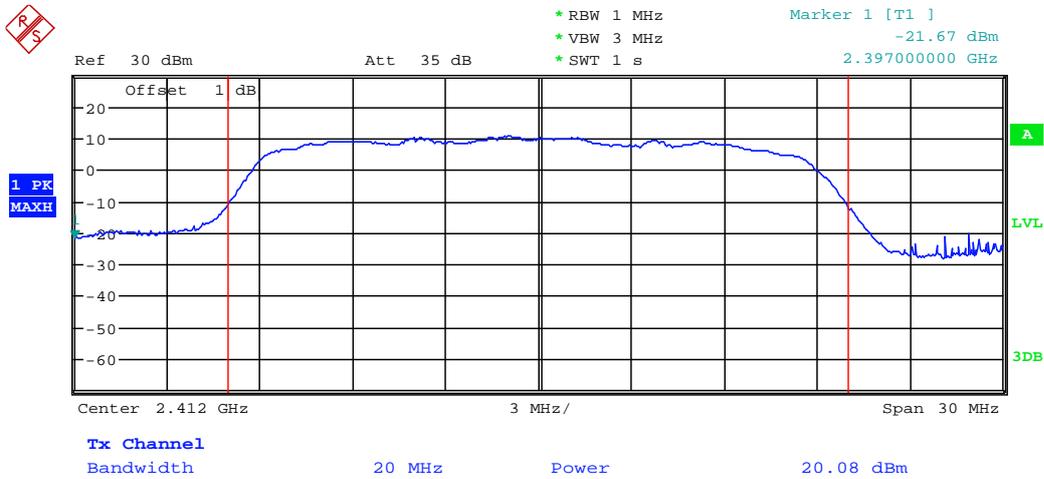


Date: 28.APR.2012 16:51:21



# TM3 Chain 1&2 Channel 01 (2412MHz)

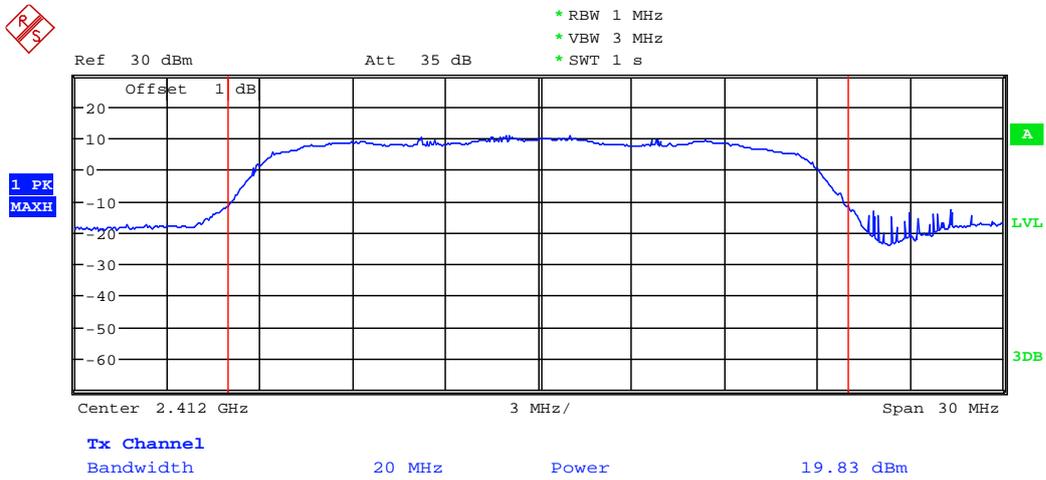
## Chain 1



Date: 27.APR.2012 18:34:27



# Chain 2

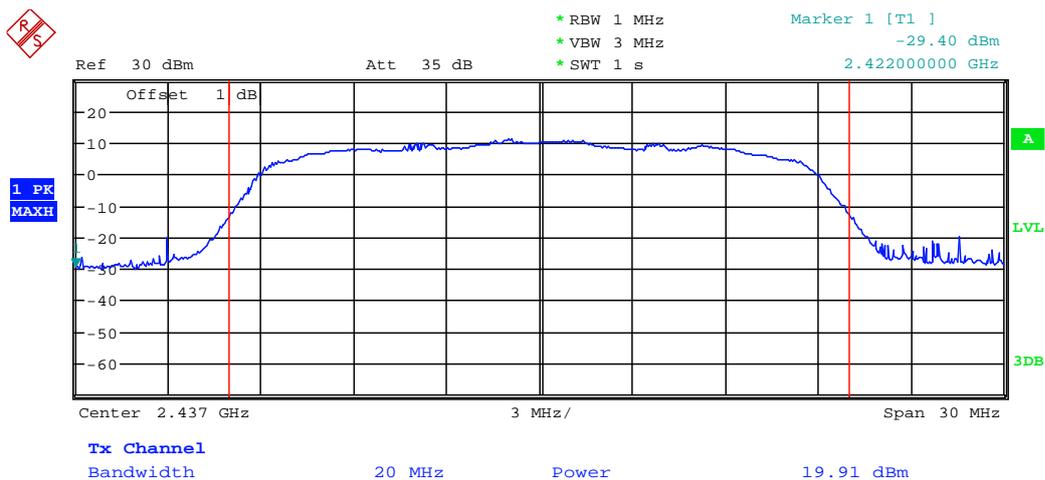


Date: 27.APR.2012 18:57:21



# Channel 06 (2437MHz)

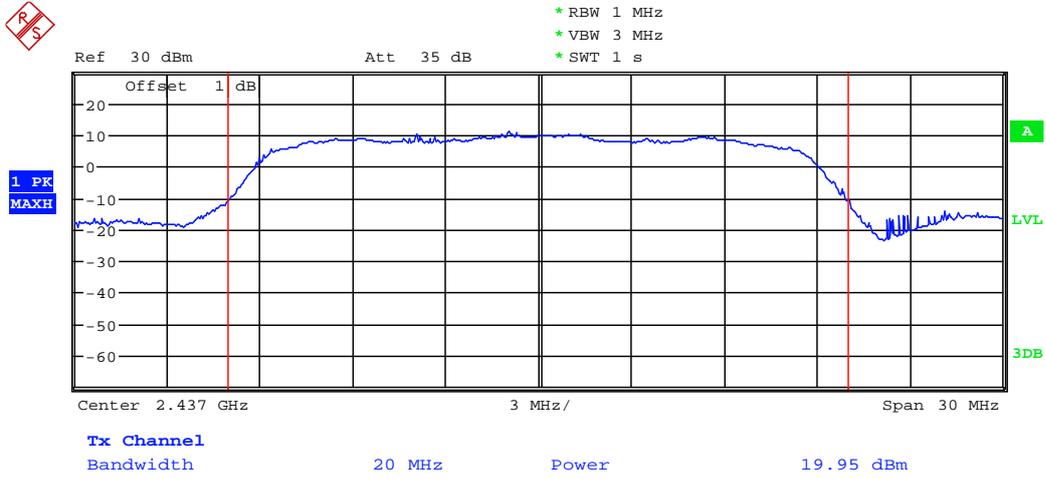
## Chain 1



Date: 27.APR.2012 18:36:48



# Chain 2

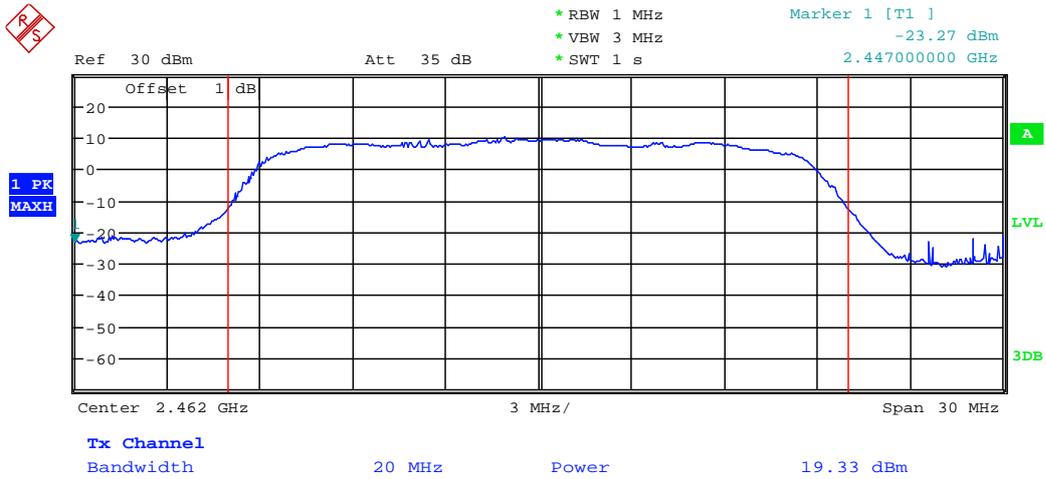


Date: 27.APR.2012 18:58:12



# Channel 11 (2462MHz)

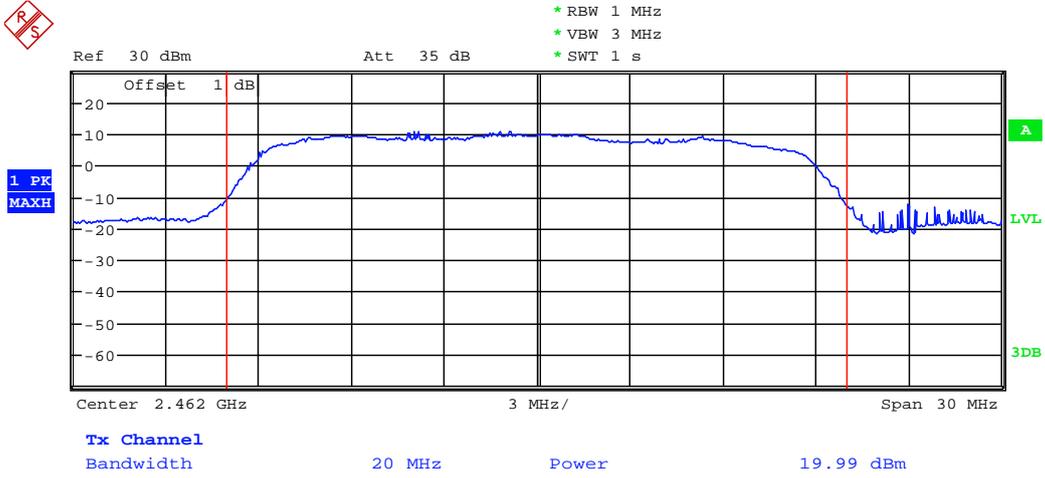
## Chain 1



Date: 27.APR.2012 18:37:40



# Chain 2

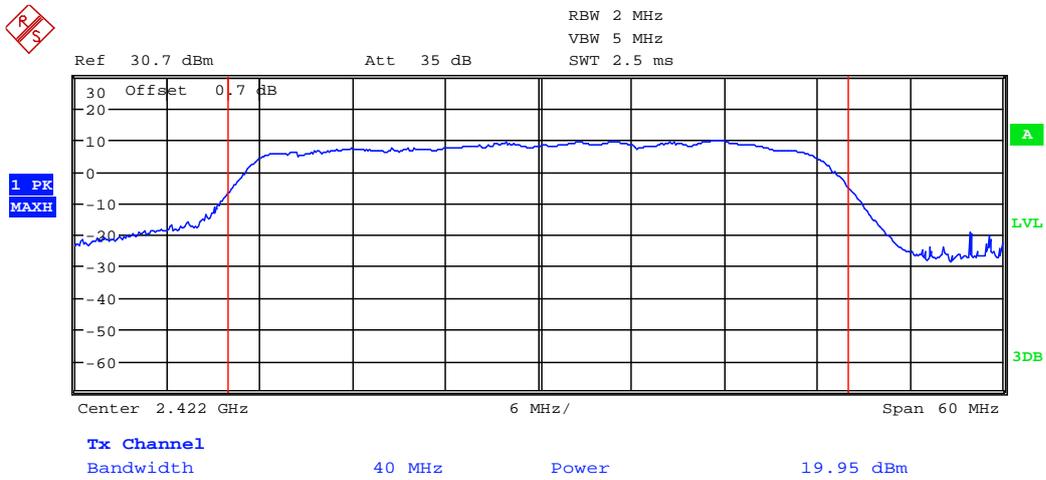


Date: 27.APR.2012 18:58:57



# TM4 Chain 1&2 Channel 03 (2422MHz)

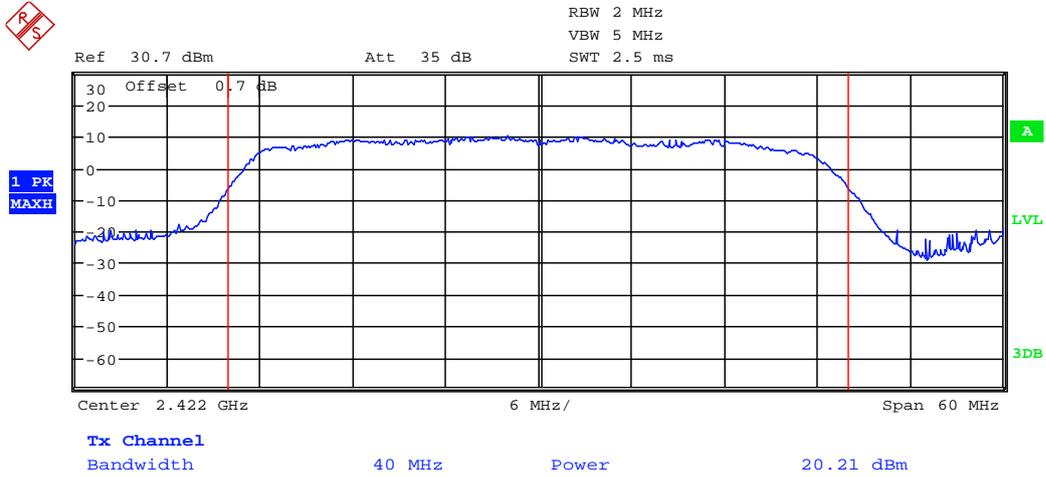
## Chain 1



Date: 29.APR.2012 13:19:07



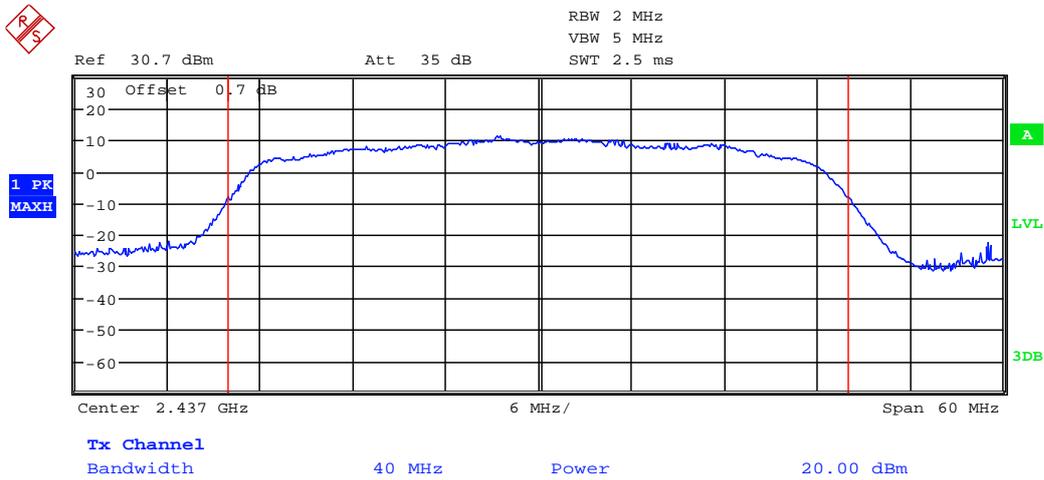
# Chain 2



Date: 29.APR.2012 13:23:48



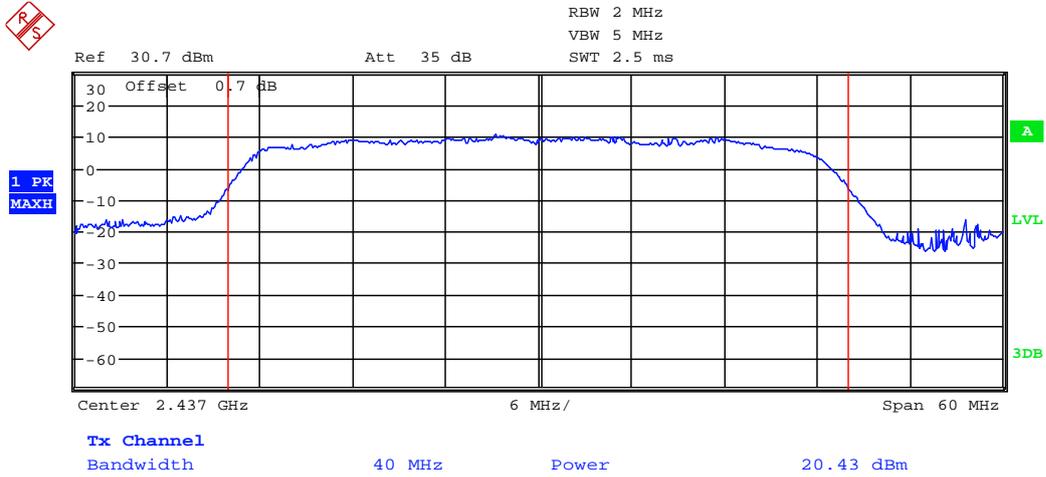
# Channel 06 (2437MHz) Chain 1



Date: 29.APR.2012 13:20:15



# Chain 2

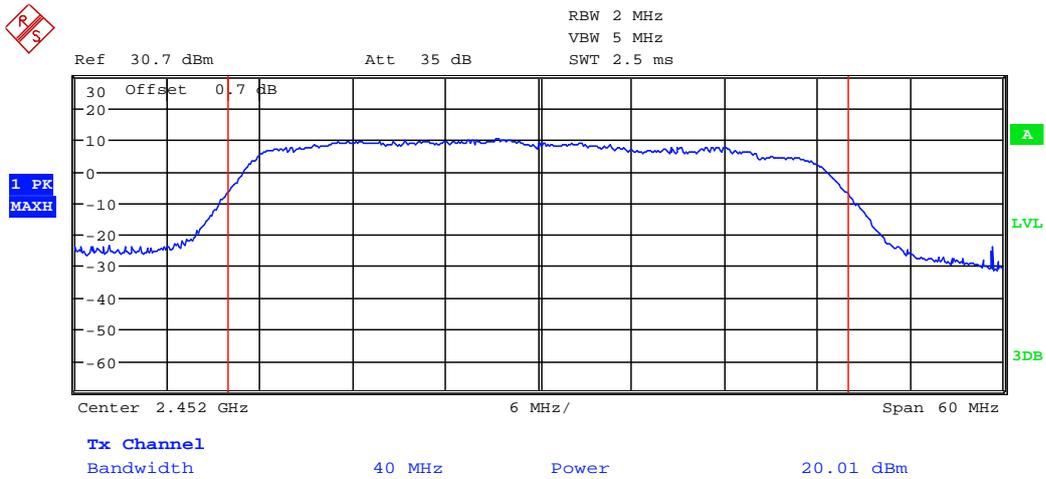


Date: 29.APR.2012 13:22:58



# Channel 09(2452MHz)

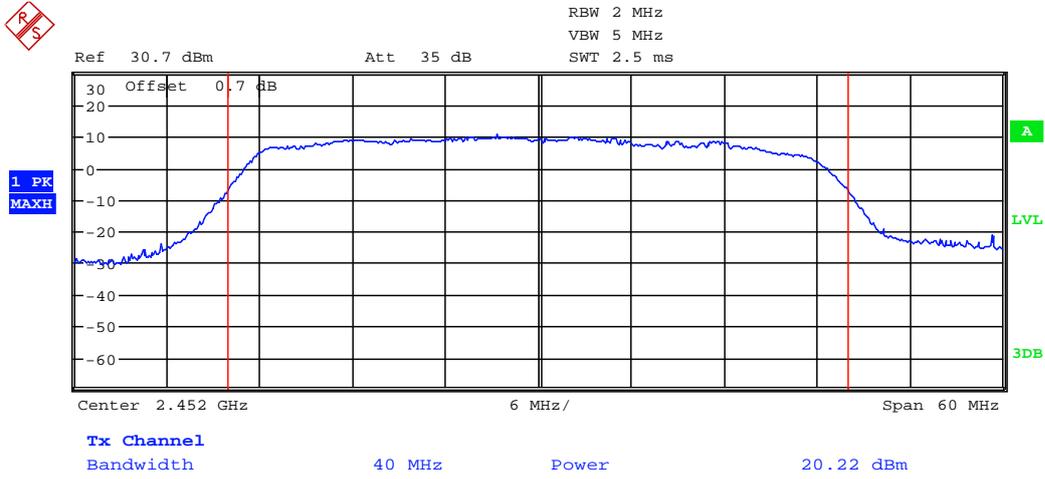
## Chain 1



Date: 29.APR.2012 13:21:02



# Chain 2



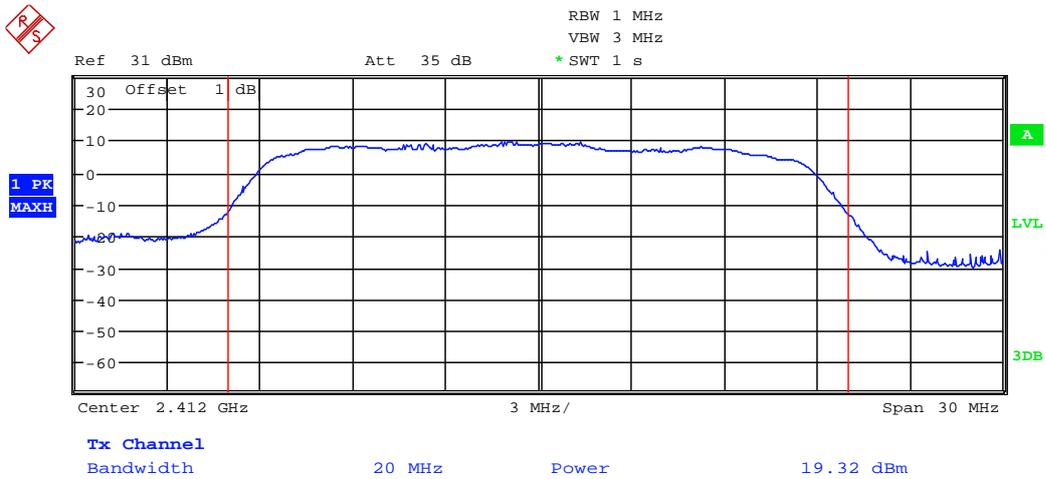
Date: 29.APR.2012 13:21:53



# TM5 Chain 1&2

## Channel 01(2412MHz)

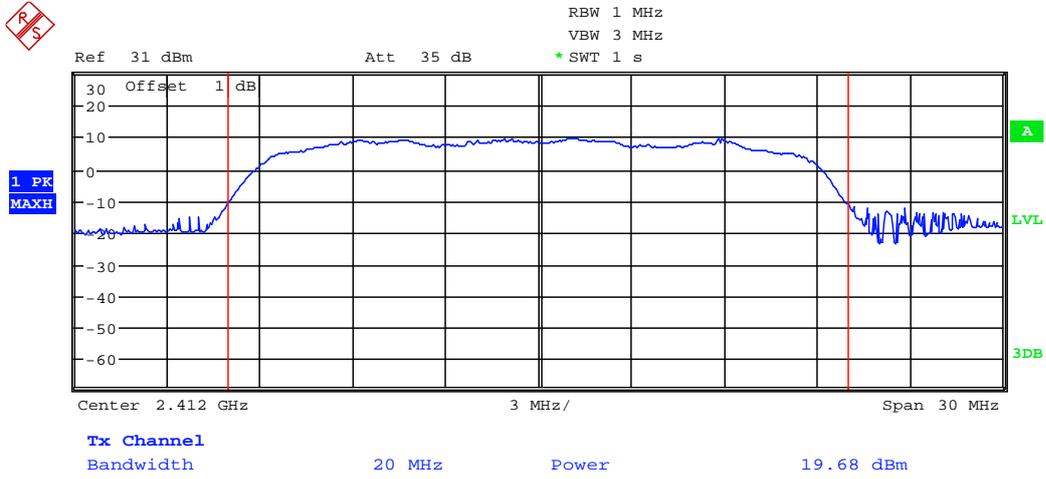
### Chain 1



Date: 29.APR.2012 17:14:17



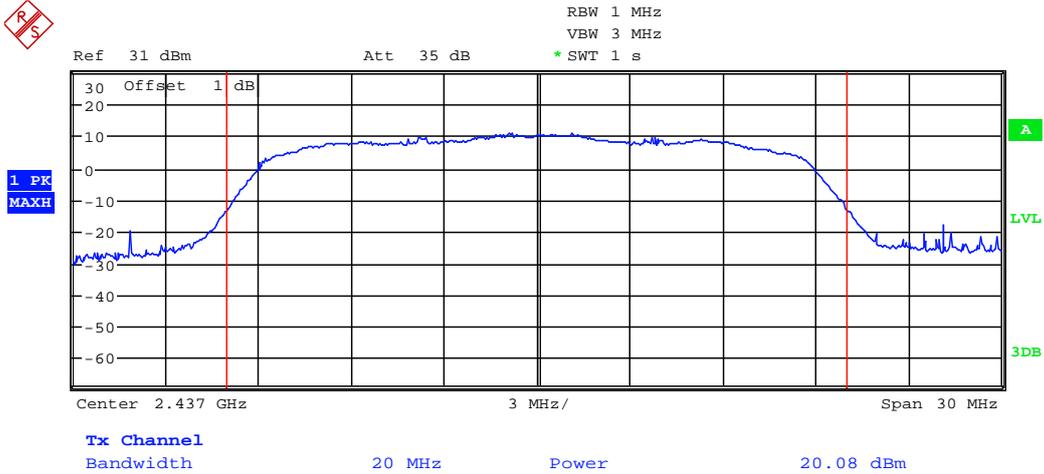
# Chain 2



Date: 29.APR.2012 17:15:15



# Channel 06(2437MHz) Chain 1



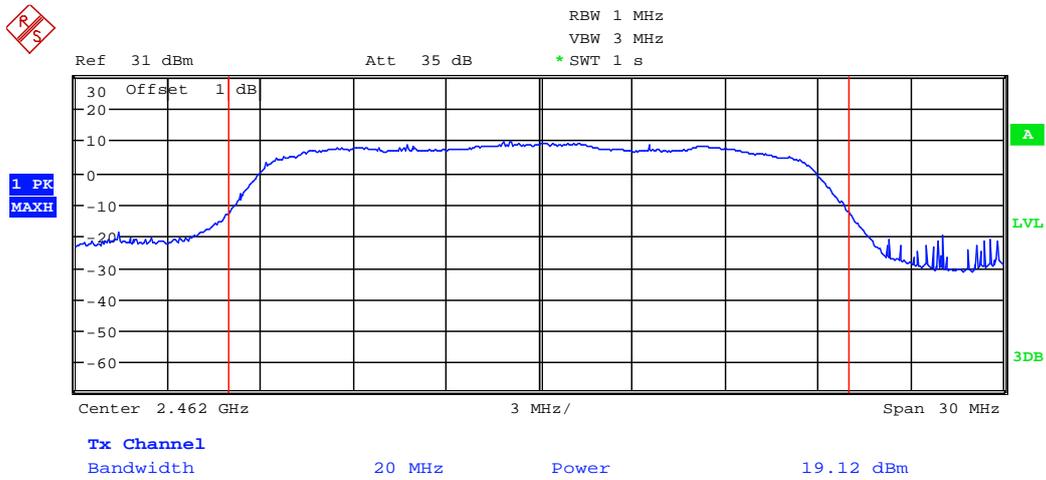
Date: 29.APR.2012 17:13:20





# Channel 11(2462MHz)

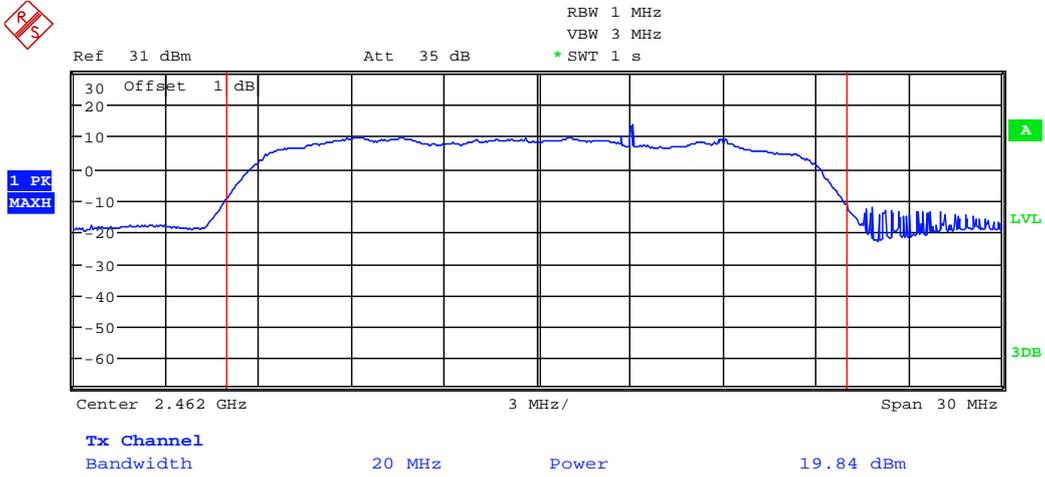
## Chain 1



Date: 29.APR.2012 17:20:01



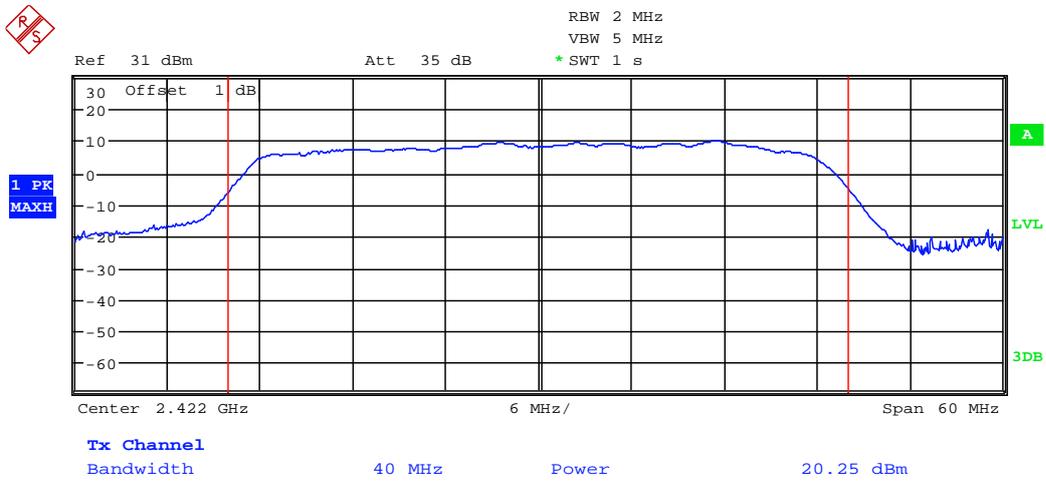
# Chain 2



Date: 29.APR.2012 17:17:32



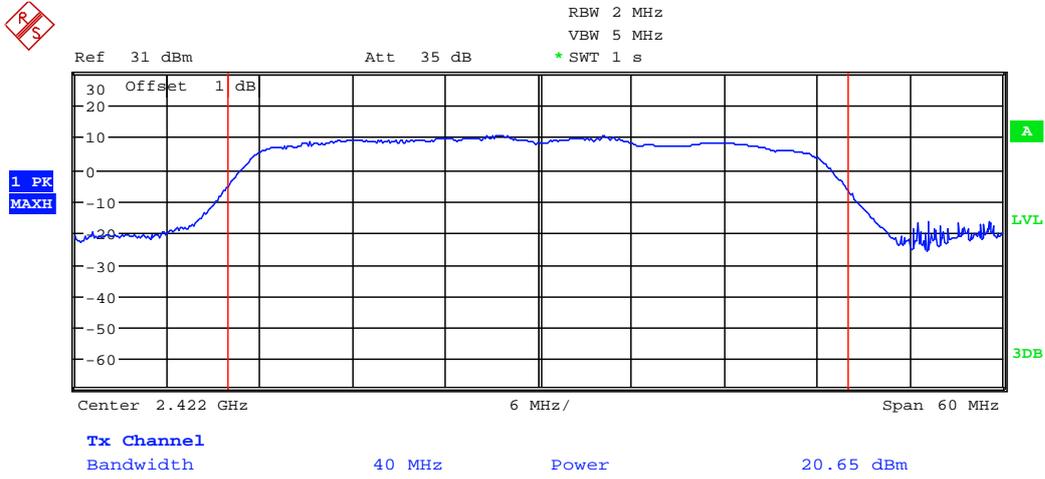
# TM6 Chain 1&2 Channel 03(2422MHz) Chain 1



Date: 29.APR.2012 17:24:49



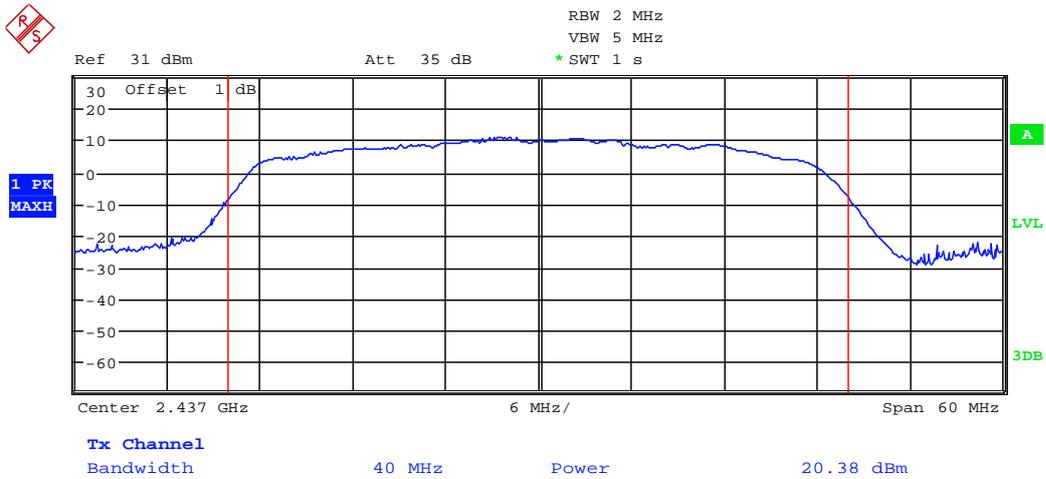
# Chain 2



Date: 29.APR.2012 17:25:21



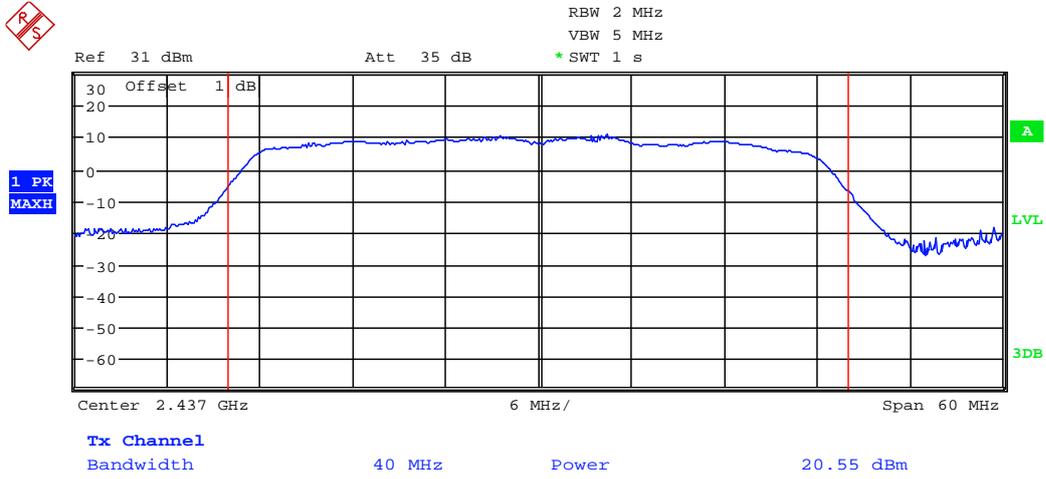
# Channel 06(2437MHz) Chain 1



Date: 29.APR.2012 17:27:17



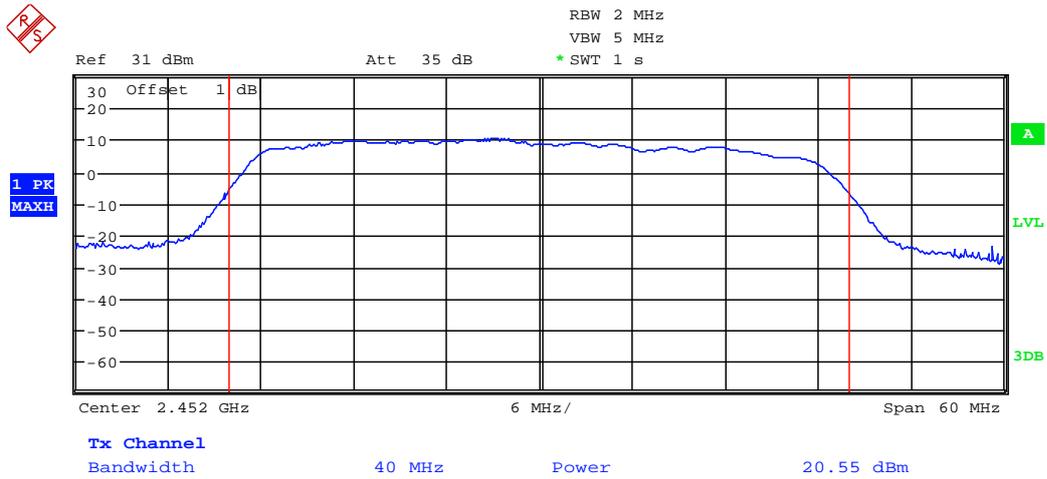
# Chain 2



Date: 29.APR.2012 17:26:54



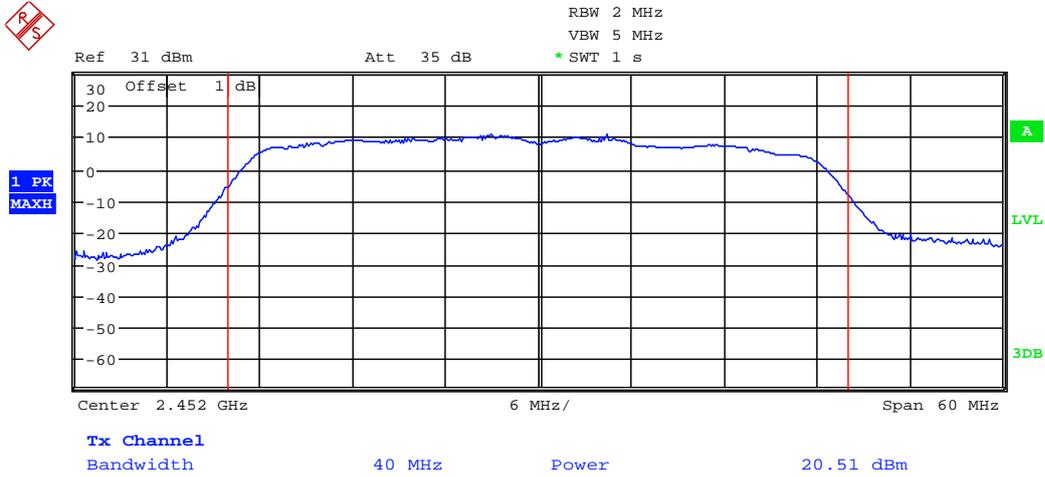
# Channel 09(2452MHz) Chain 1



Date: 29.APR.2012 17:28:30



# Chain 2



Date: 29.APR.2012 17:28:50

-----The END-----



# **Appendix C**

## **Band Edges Compliance**

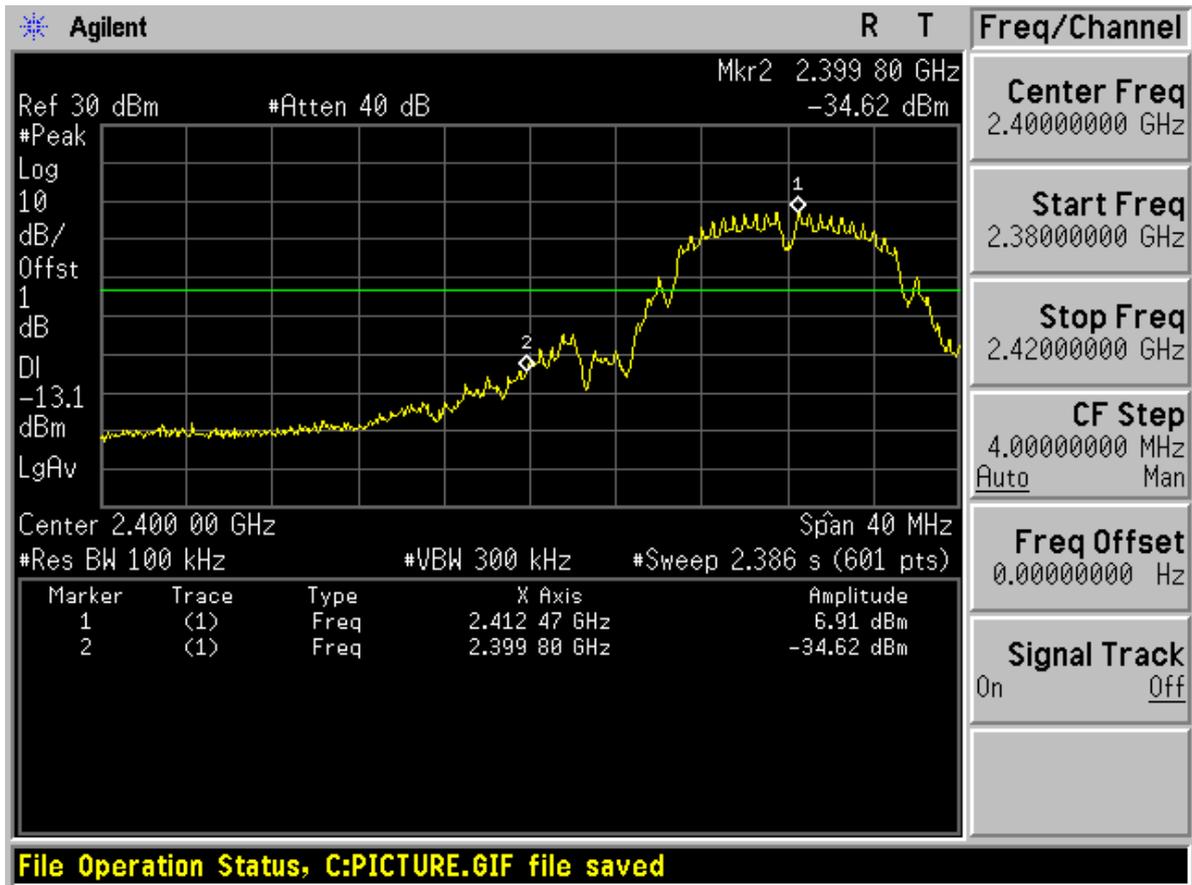
**According to FCC Part 15.247 (d)**



# TM1 Chain 1&2

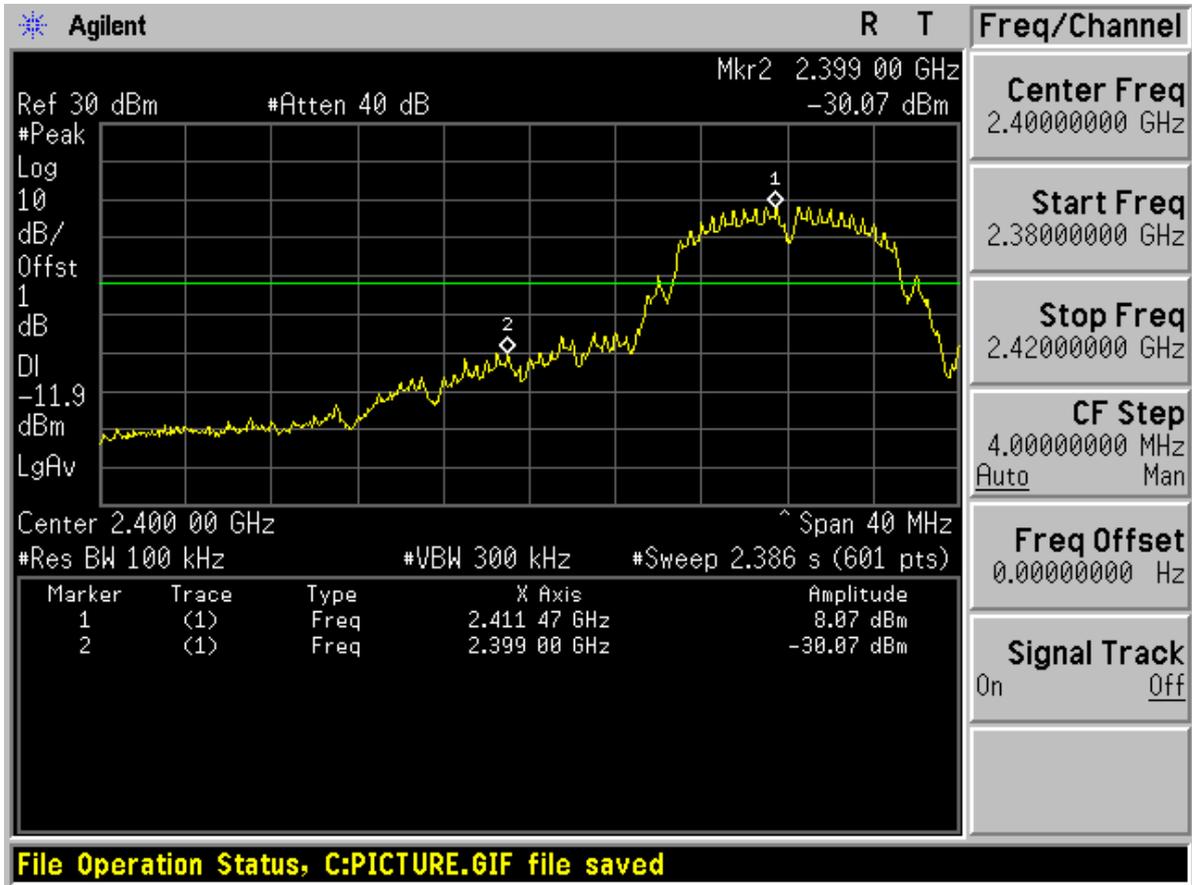
## Low edge

### Chain 1





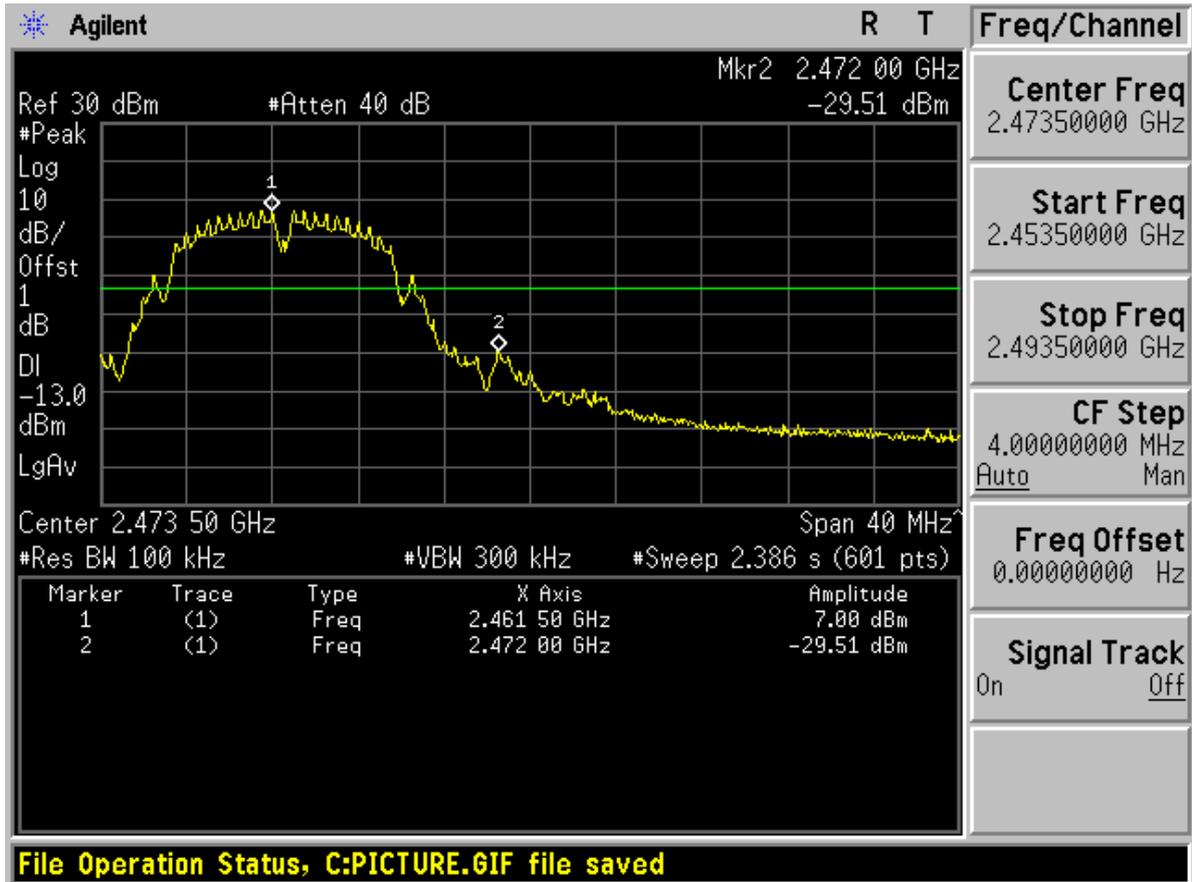
# Chain 2





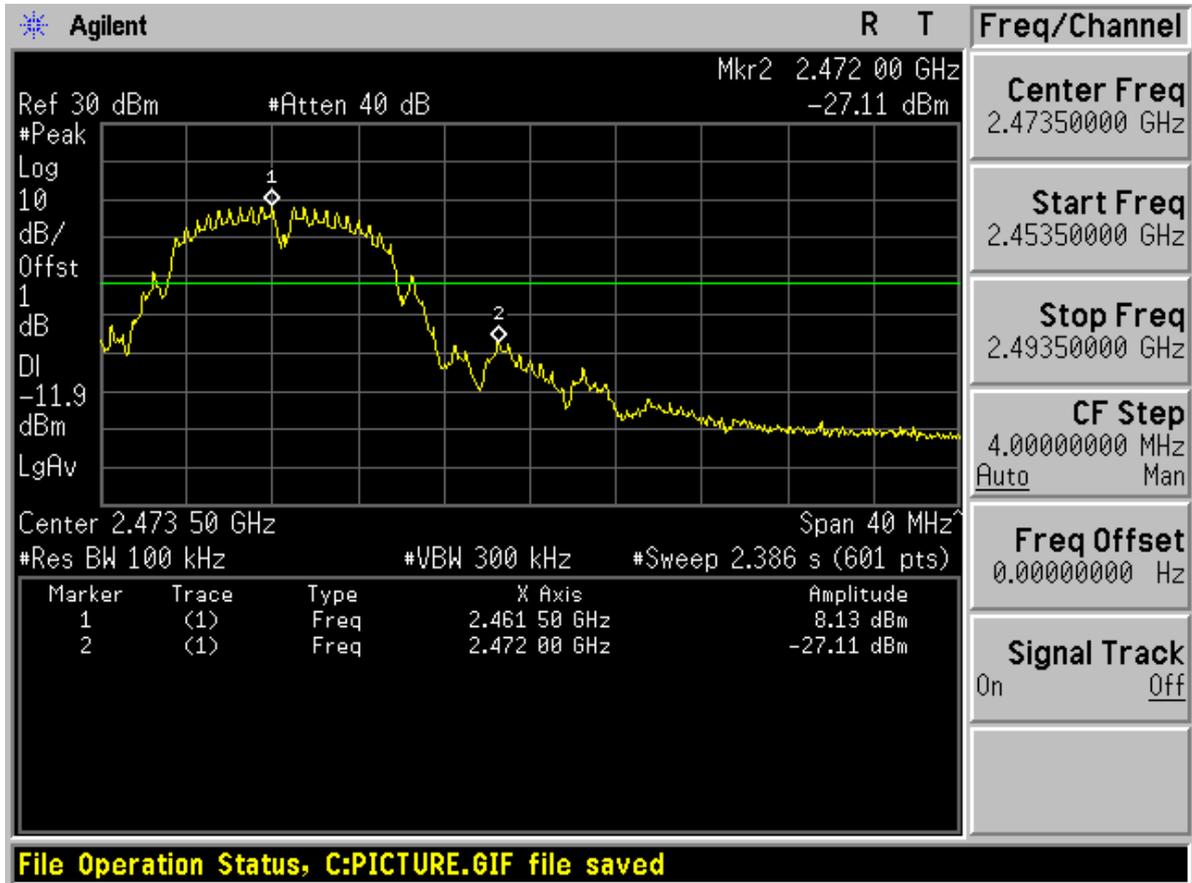
# High edge

## Chain 1





## Chain 2

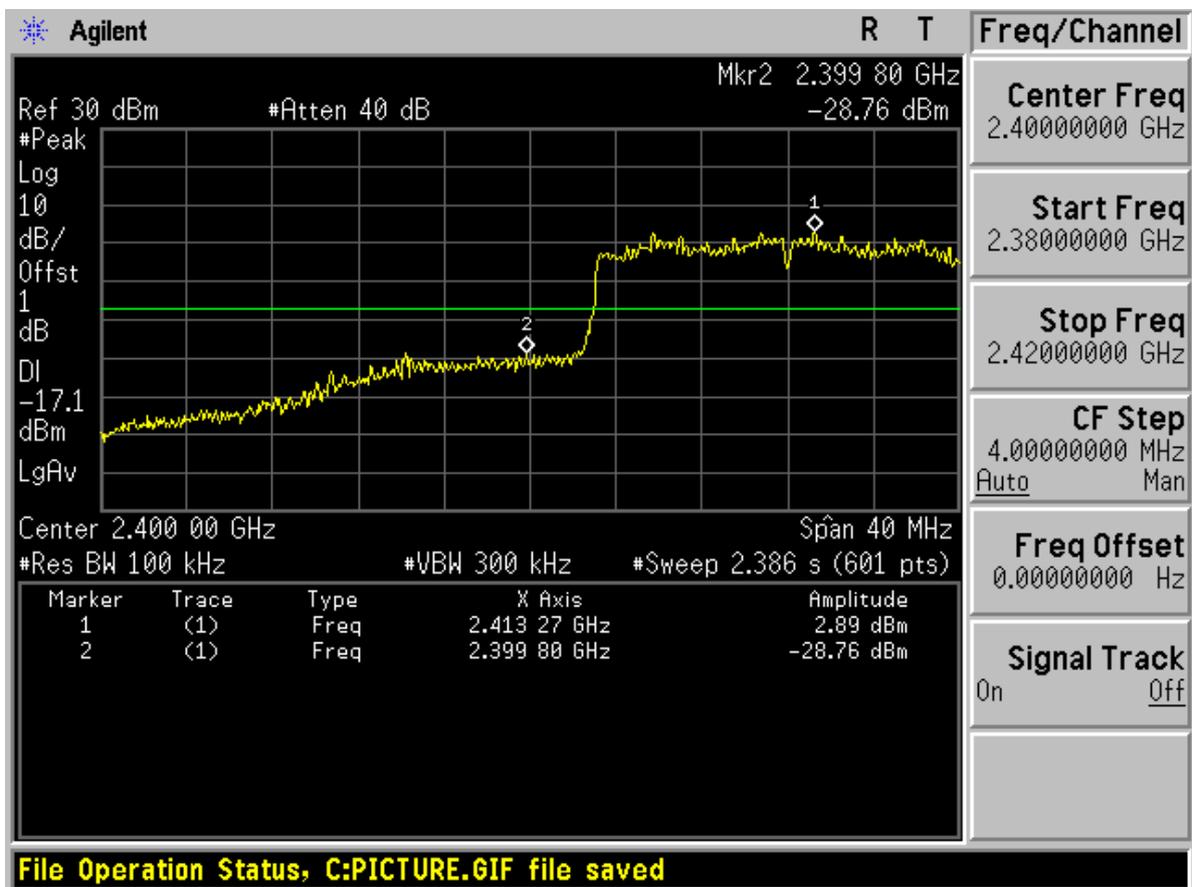




# TM2 Chain 1&2

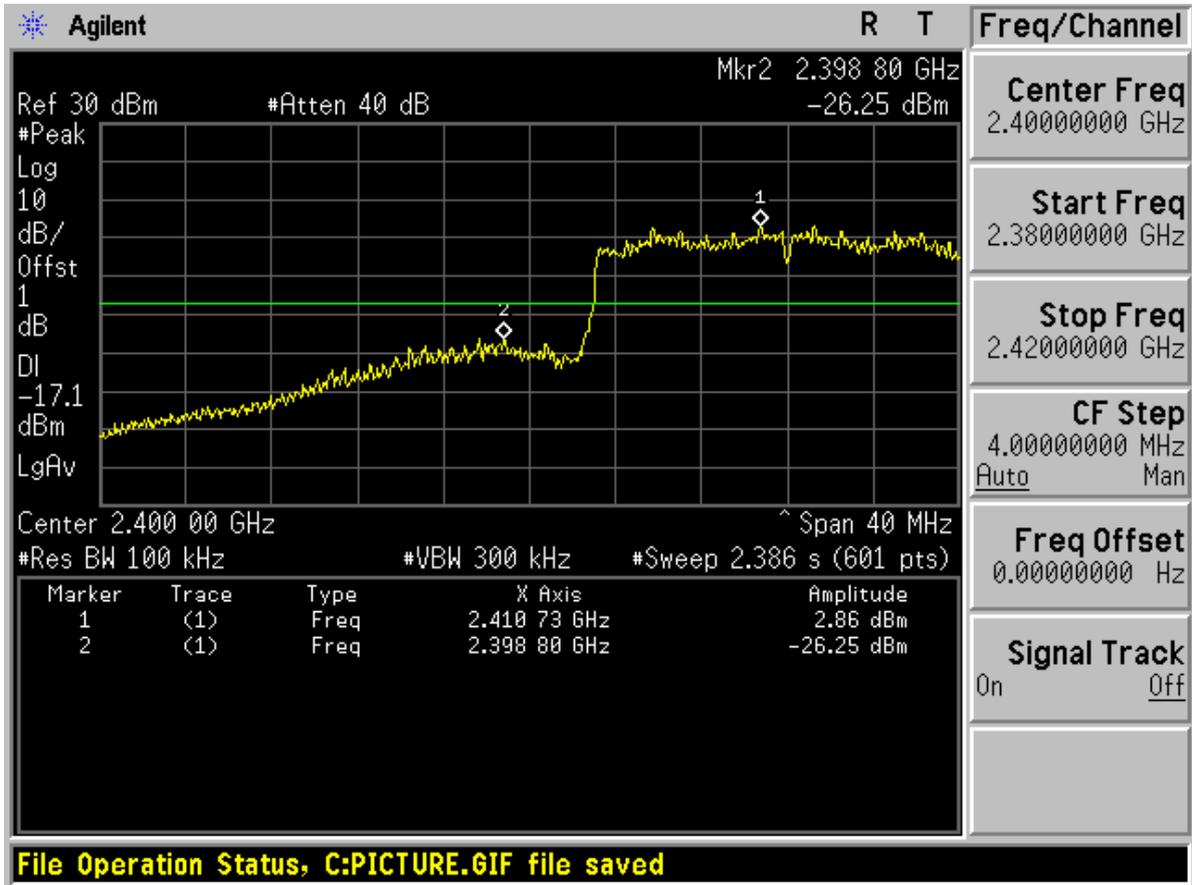
## Low edge

### Chain 1





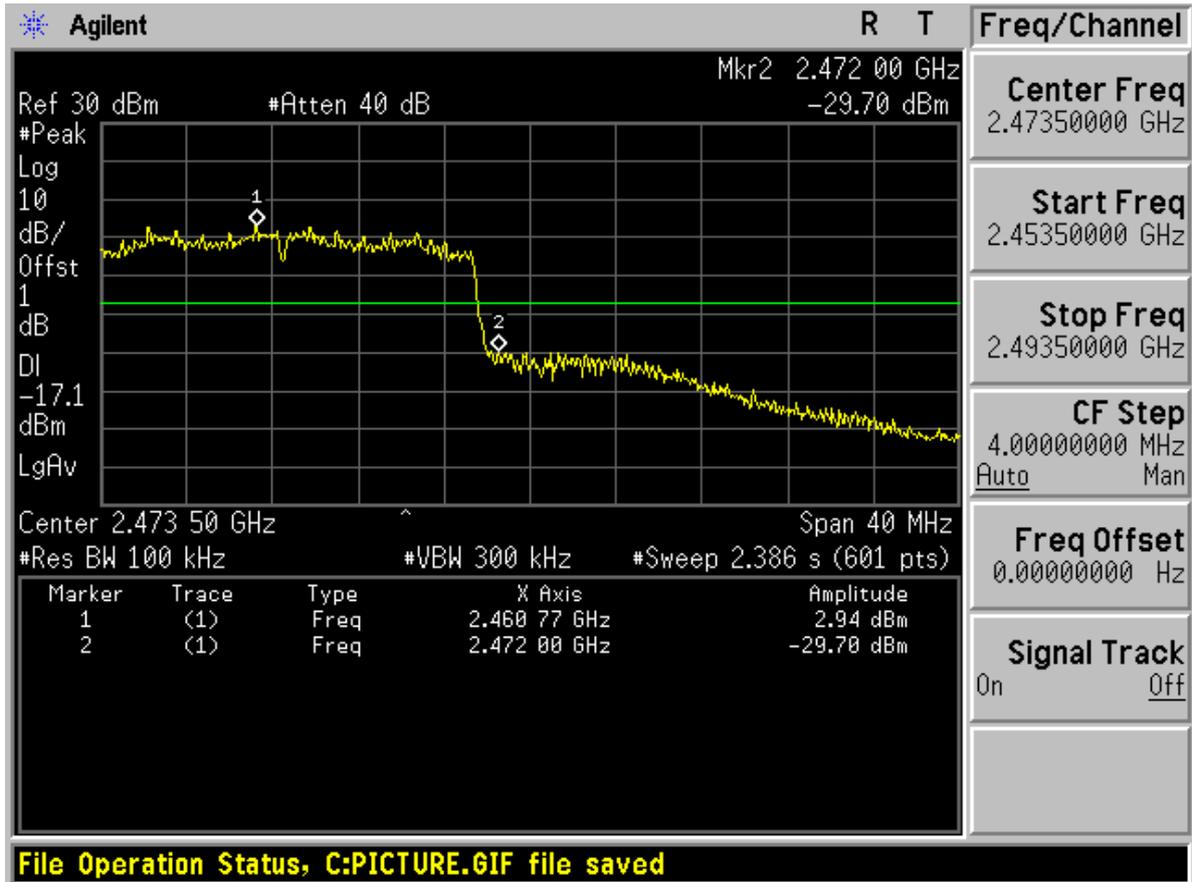
# Chain 2





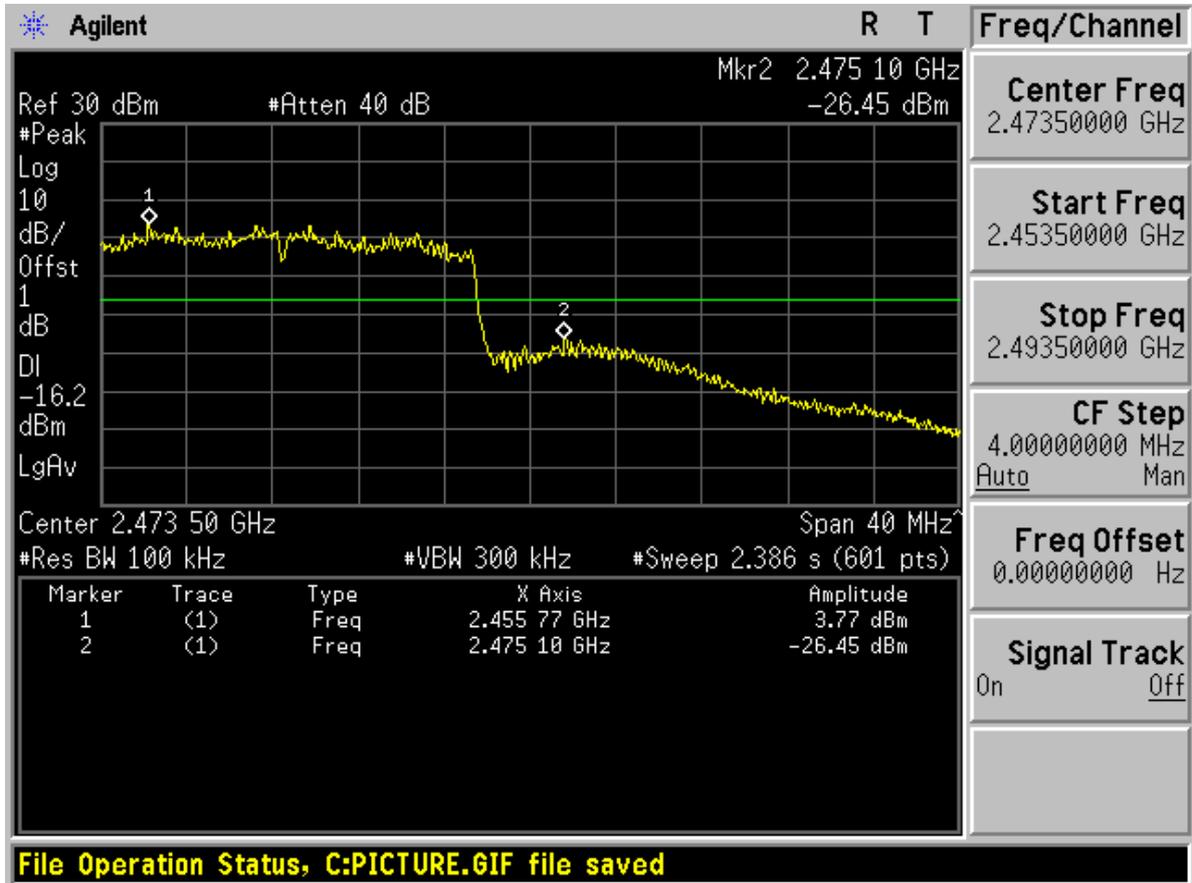
# High edge

## Chain 1





## Chain 2

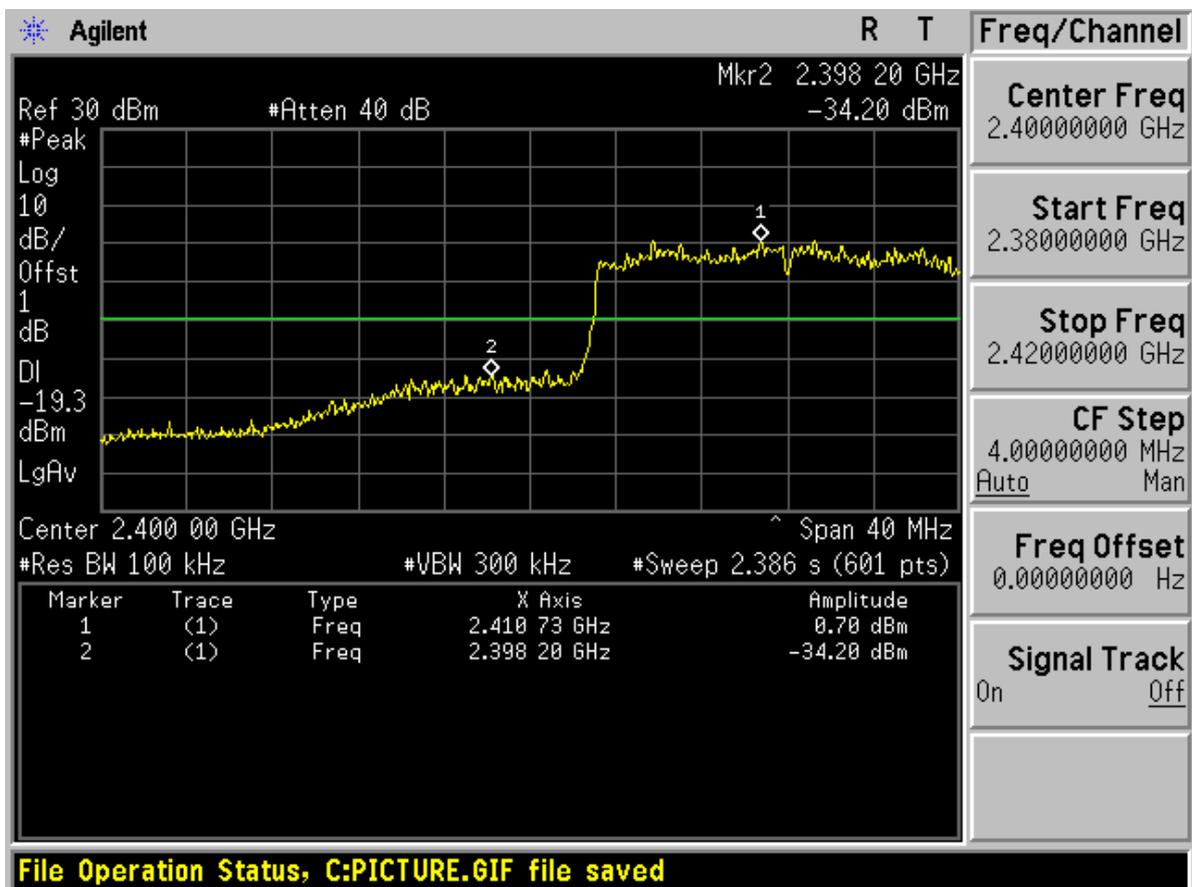




# TM3 Chain 1

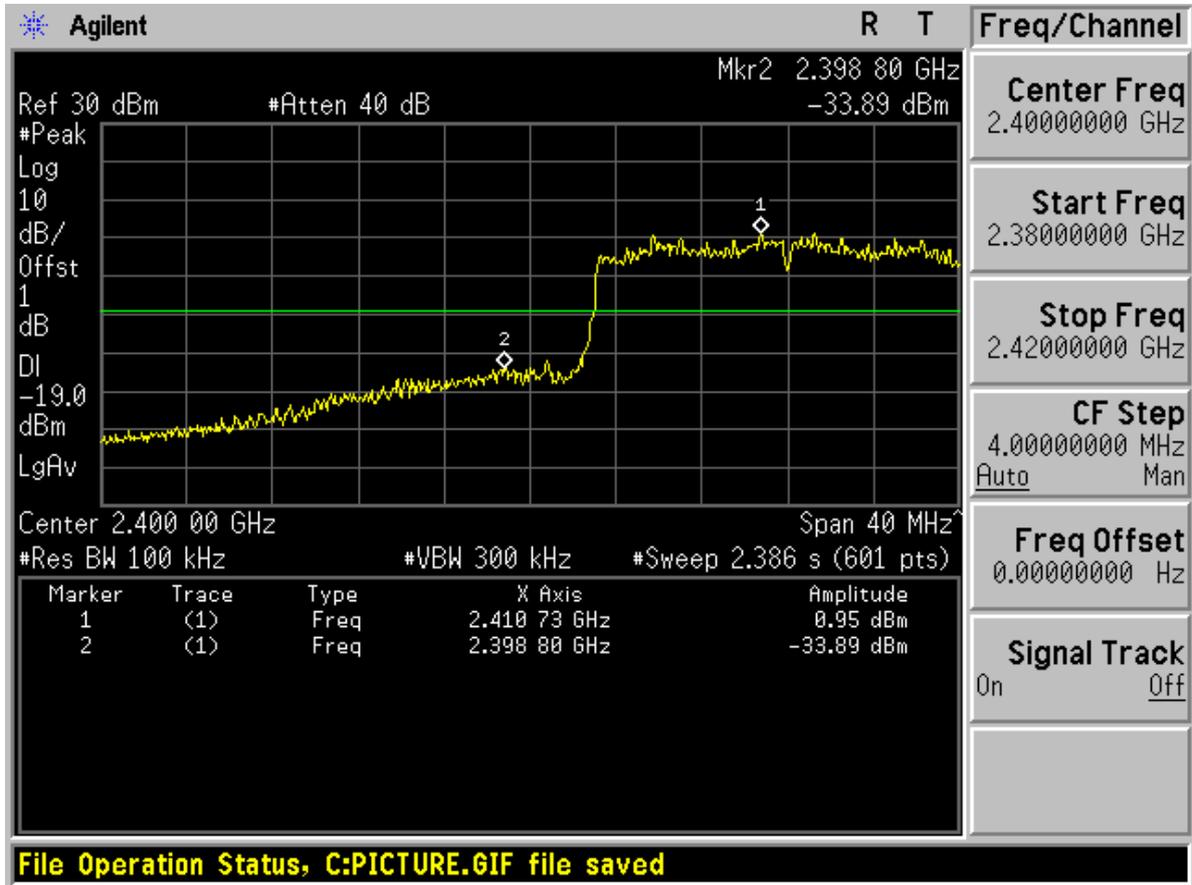
## Low edge

## Chain 1





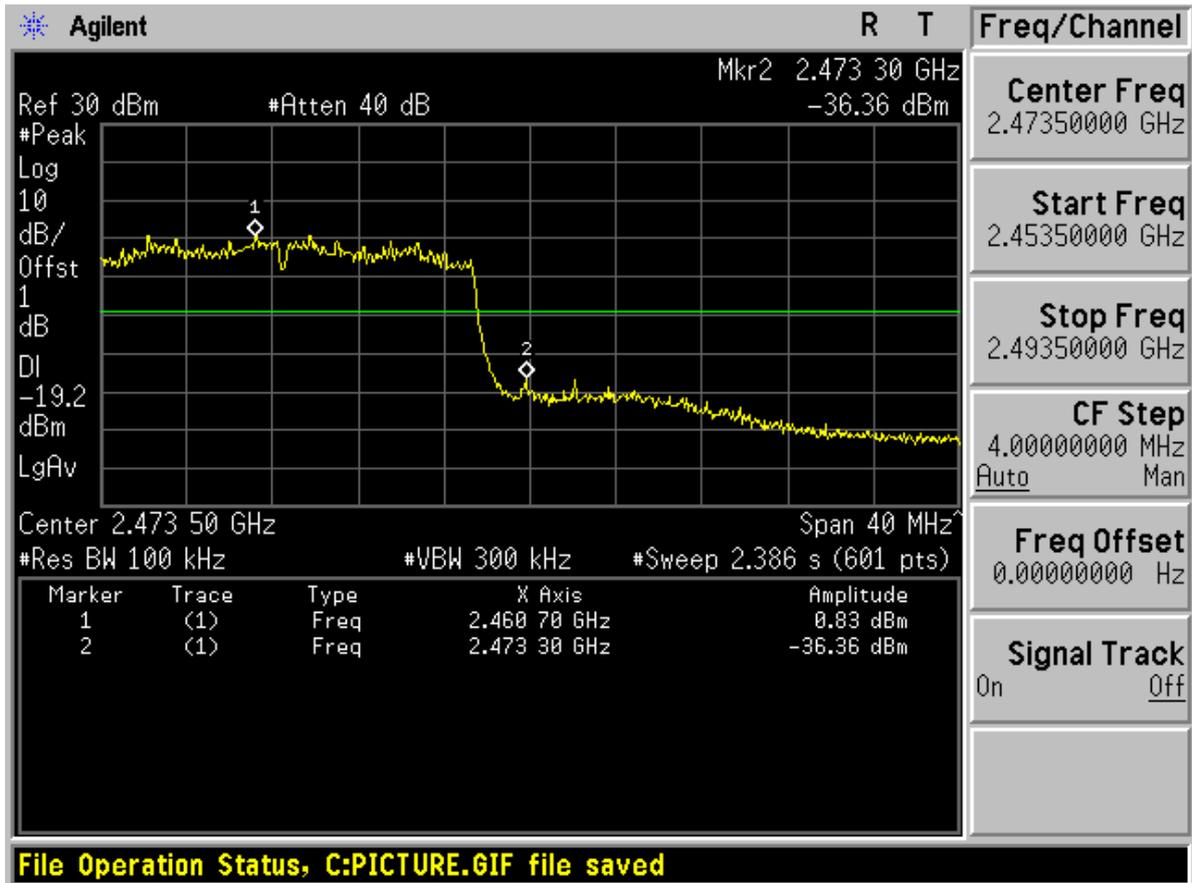
# Chain 2





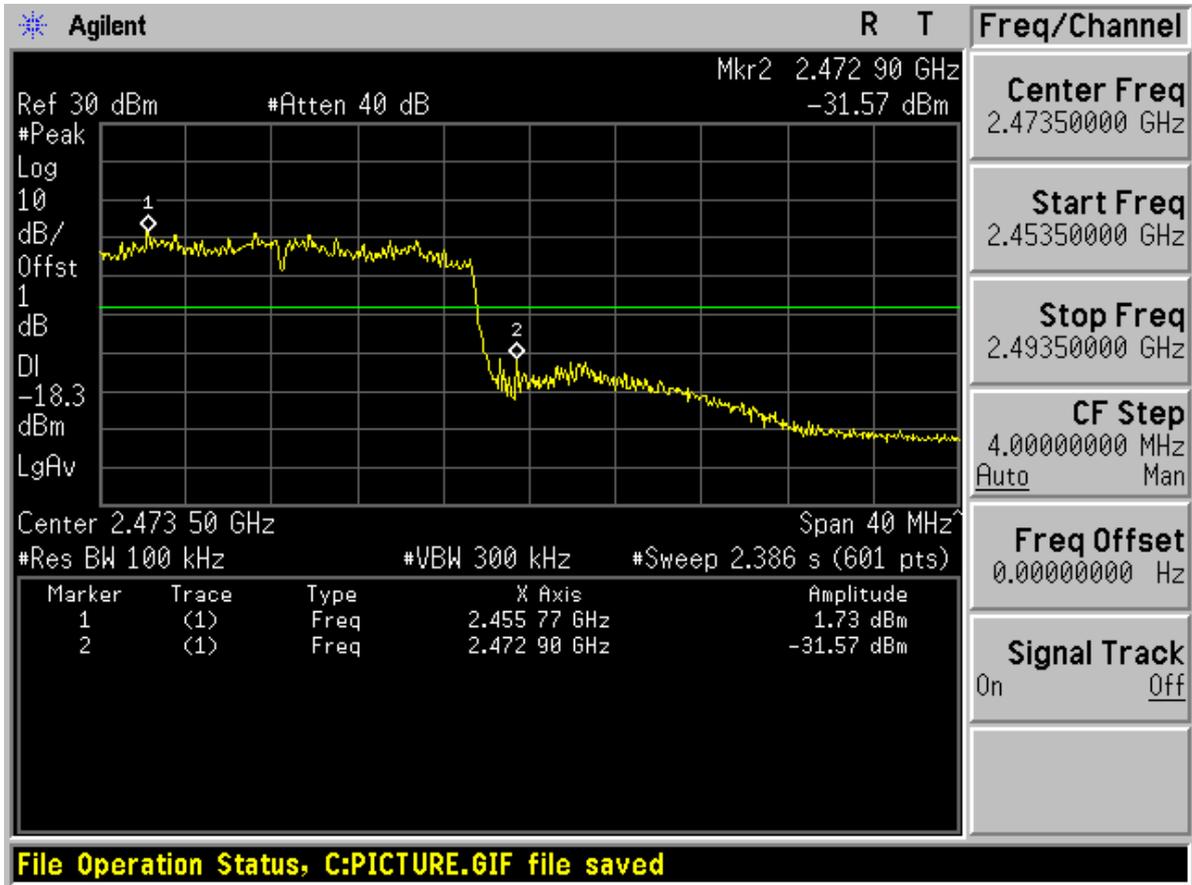
# High edge

## Chain 1





# Chain 2

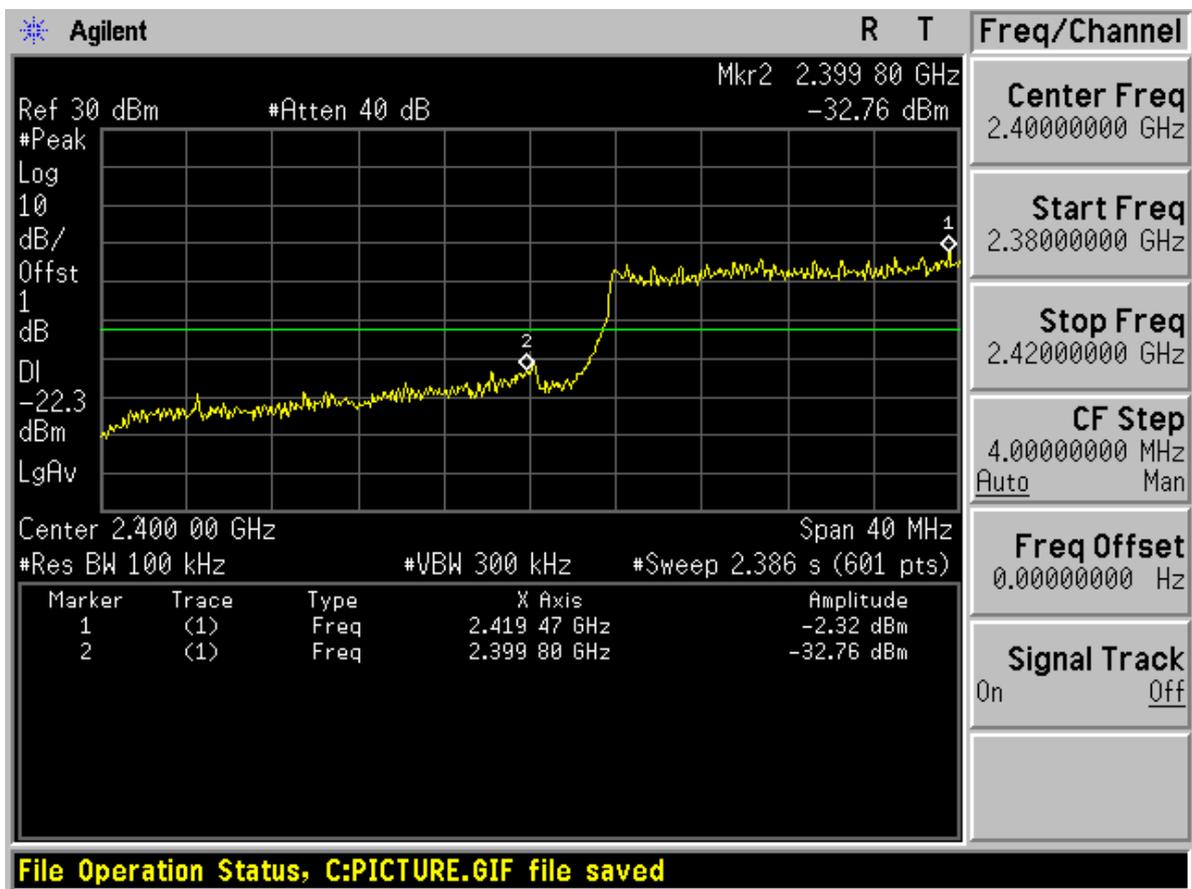




# TM4 Chain 1&2

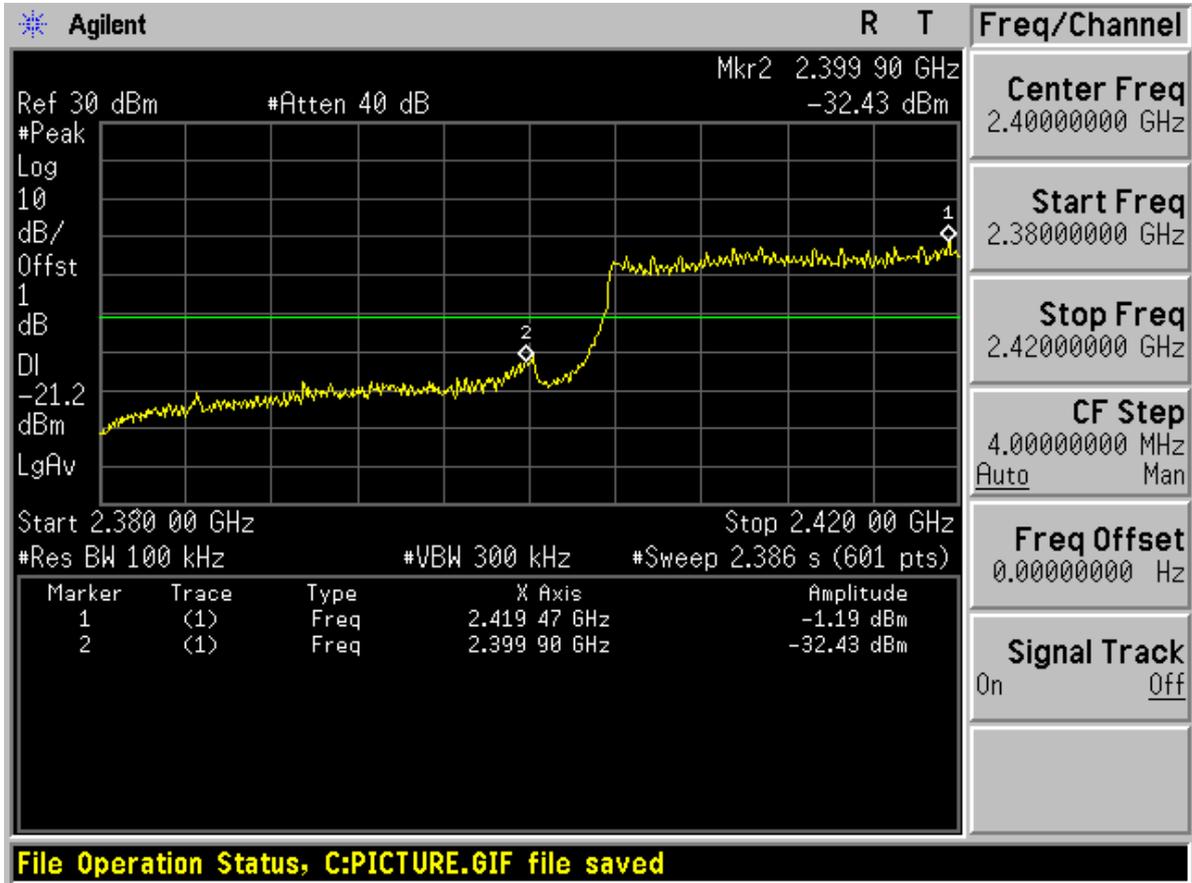
## Low edge

### Chain 1





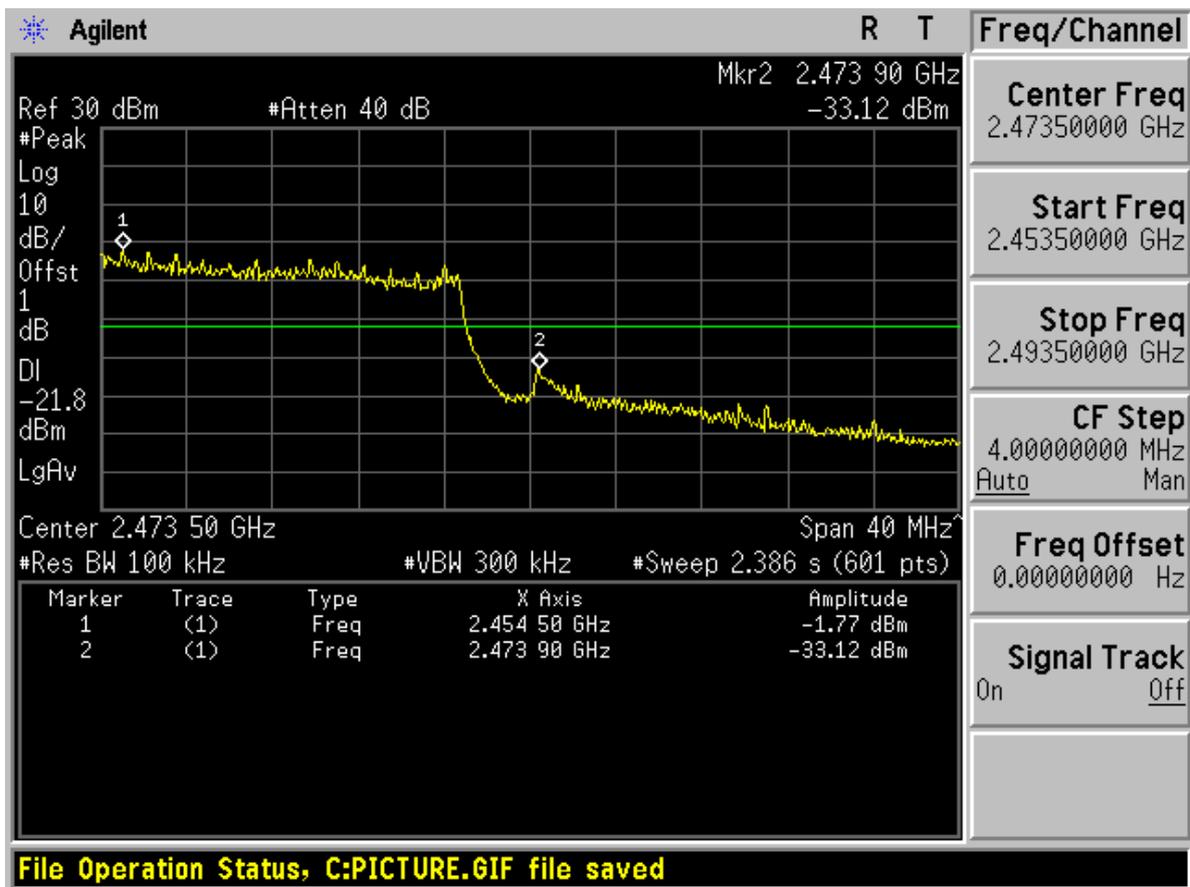
## Chain 2





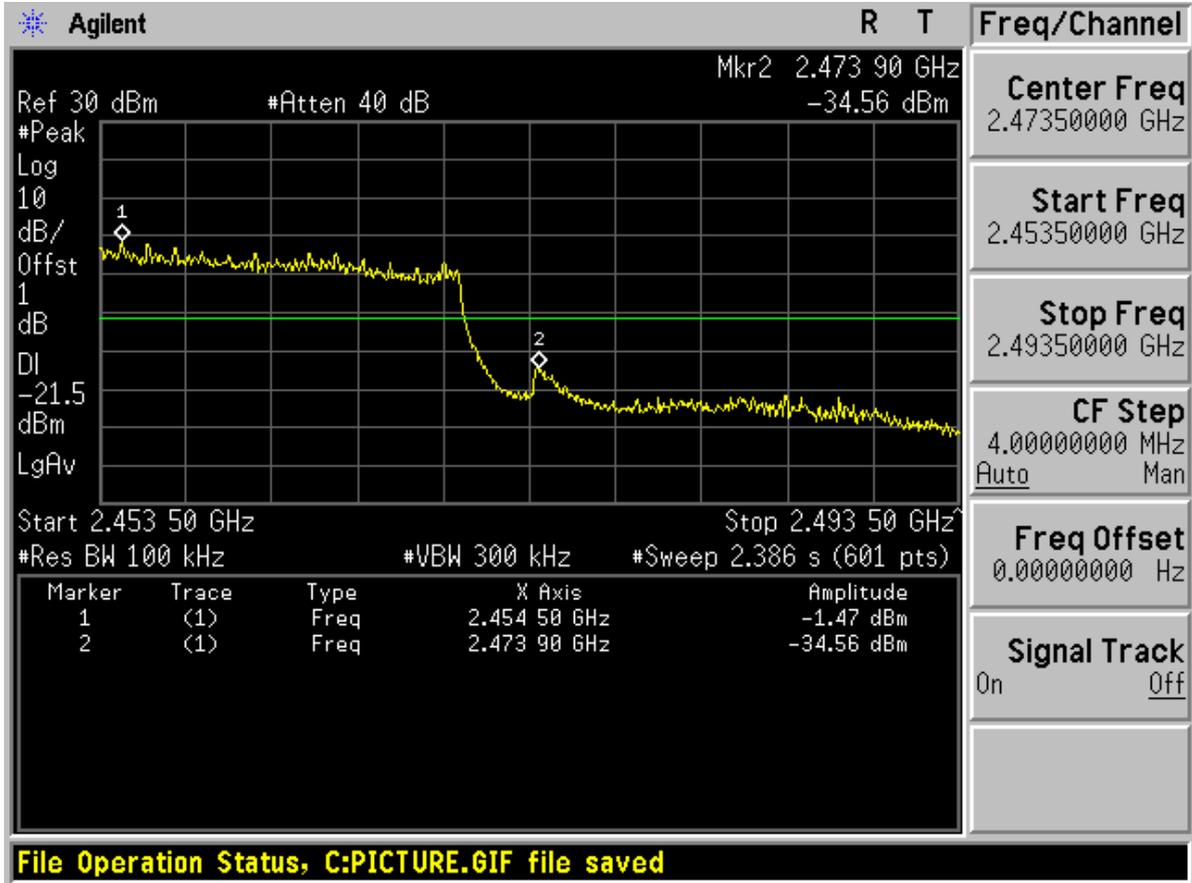
# High edge

## Chain 1





## Chain 2

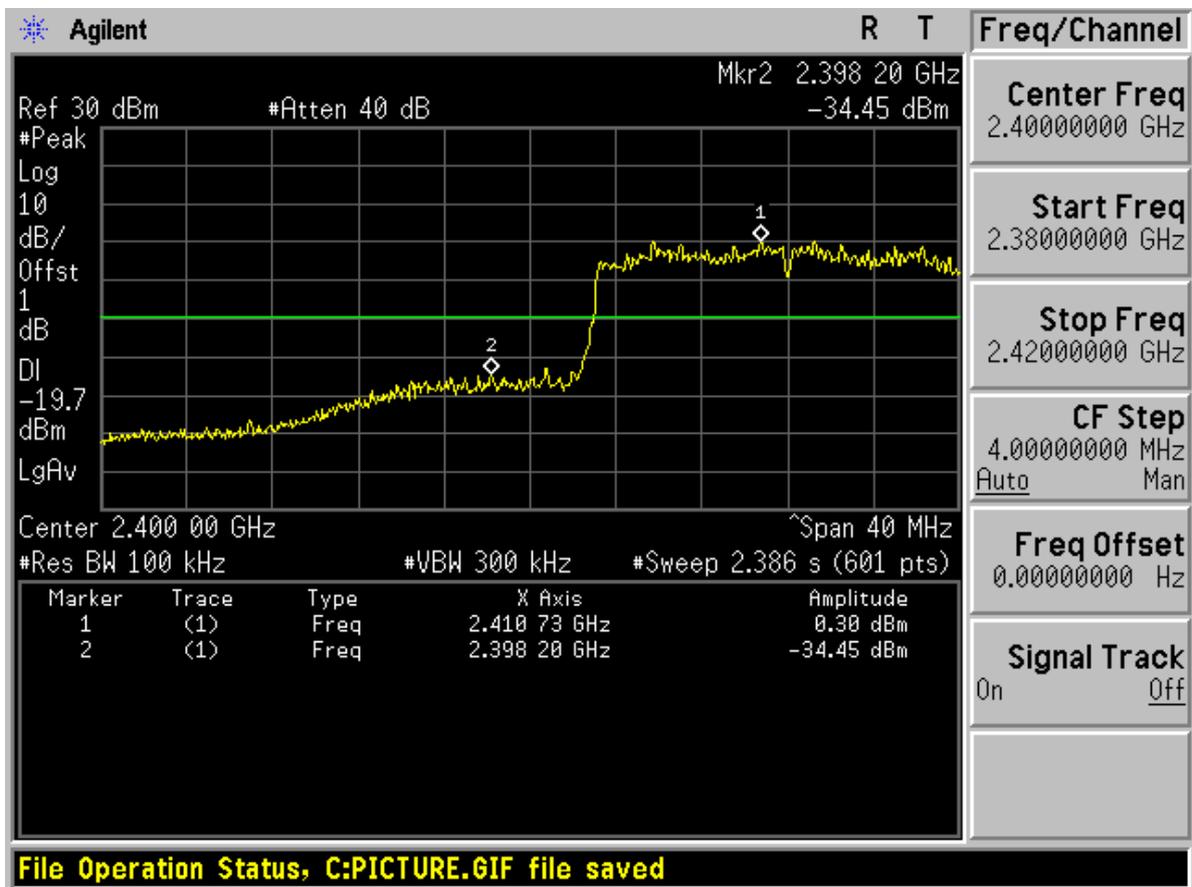




# TM5 Chain 1&2

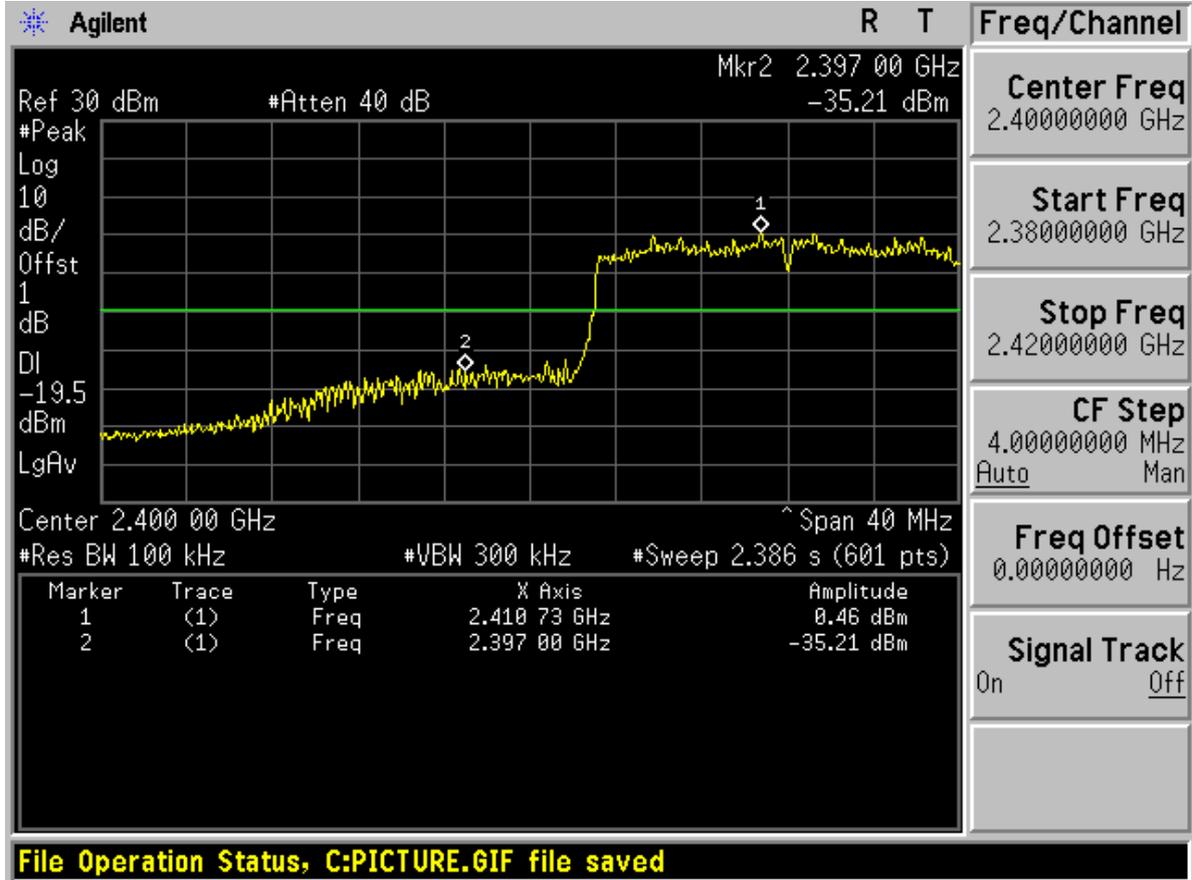
## Low edge

## Chain 1





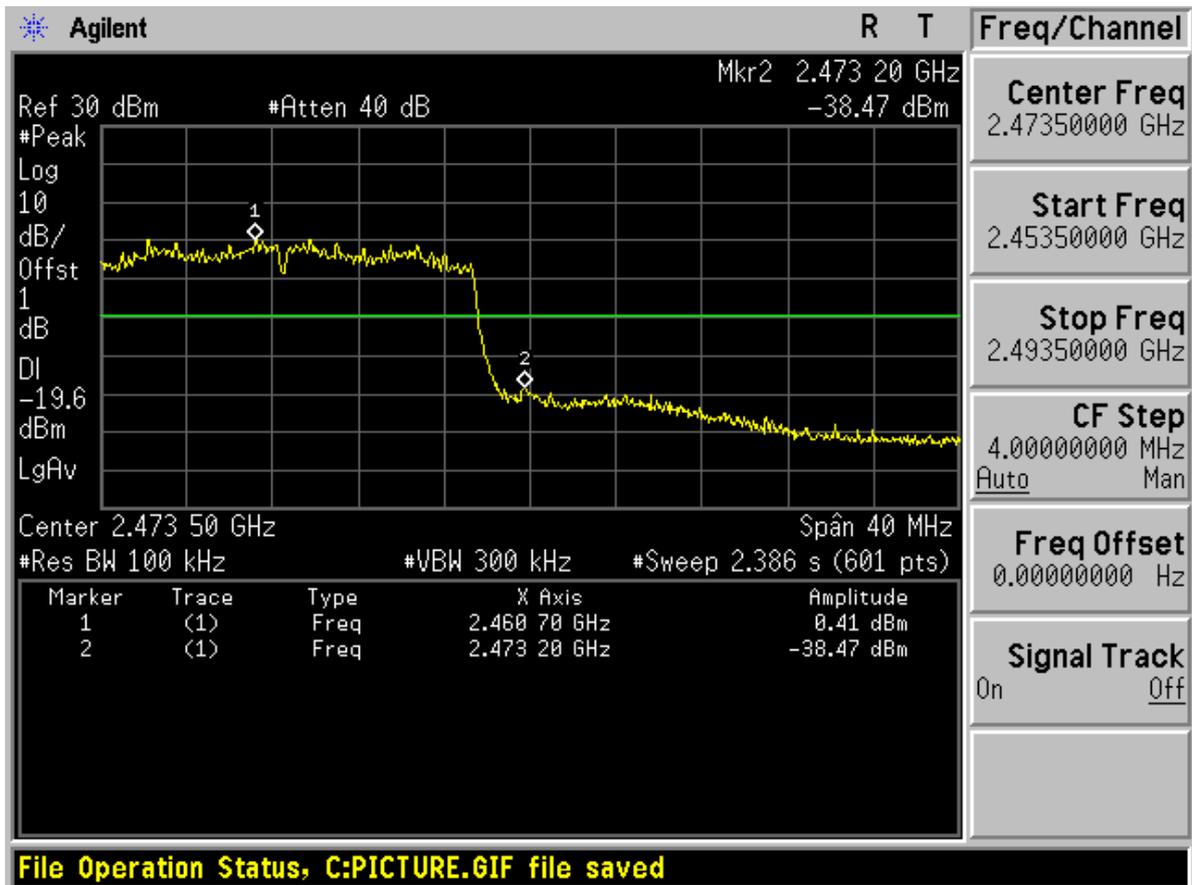
# Chain 2





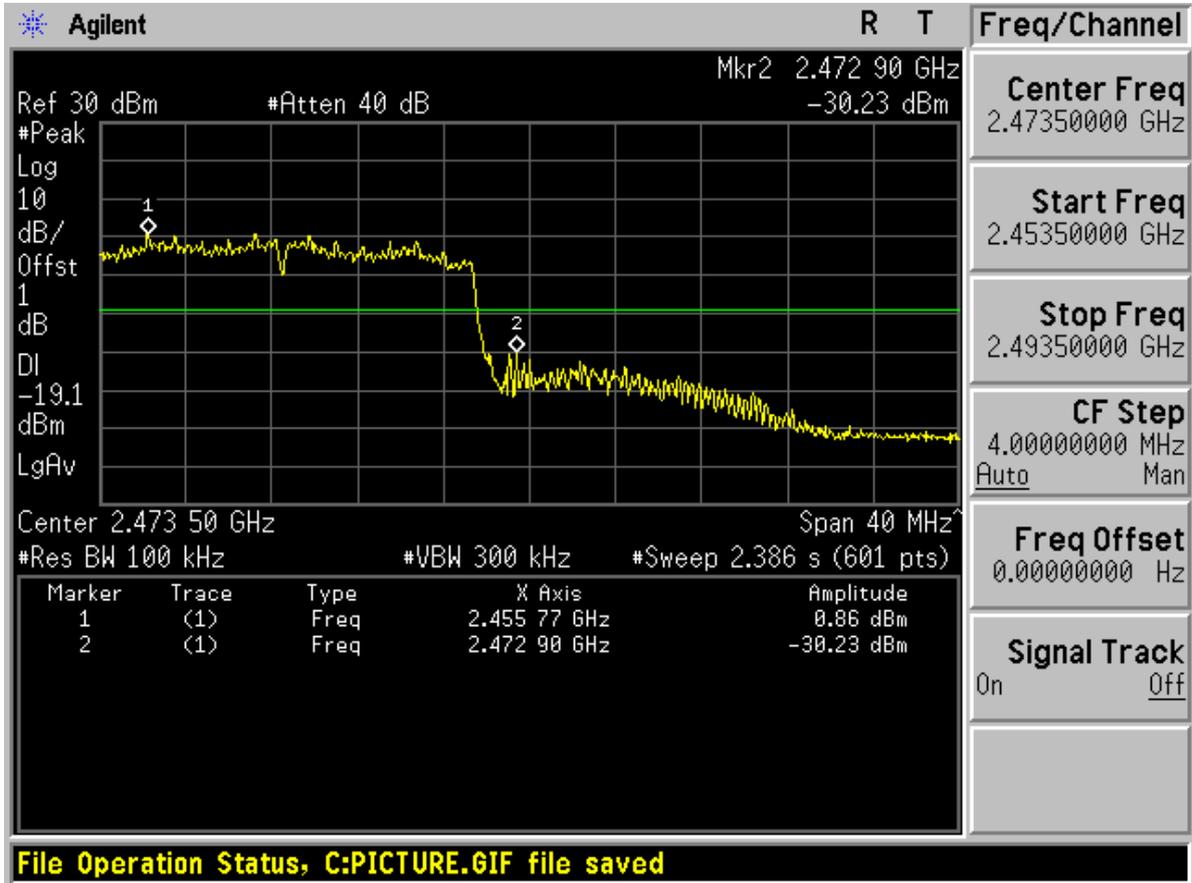
# High edge

## Chain 1





# Chain 2

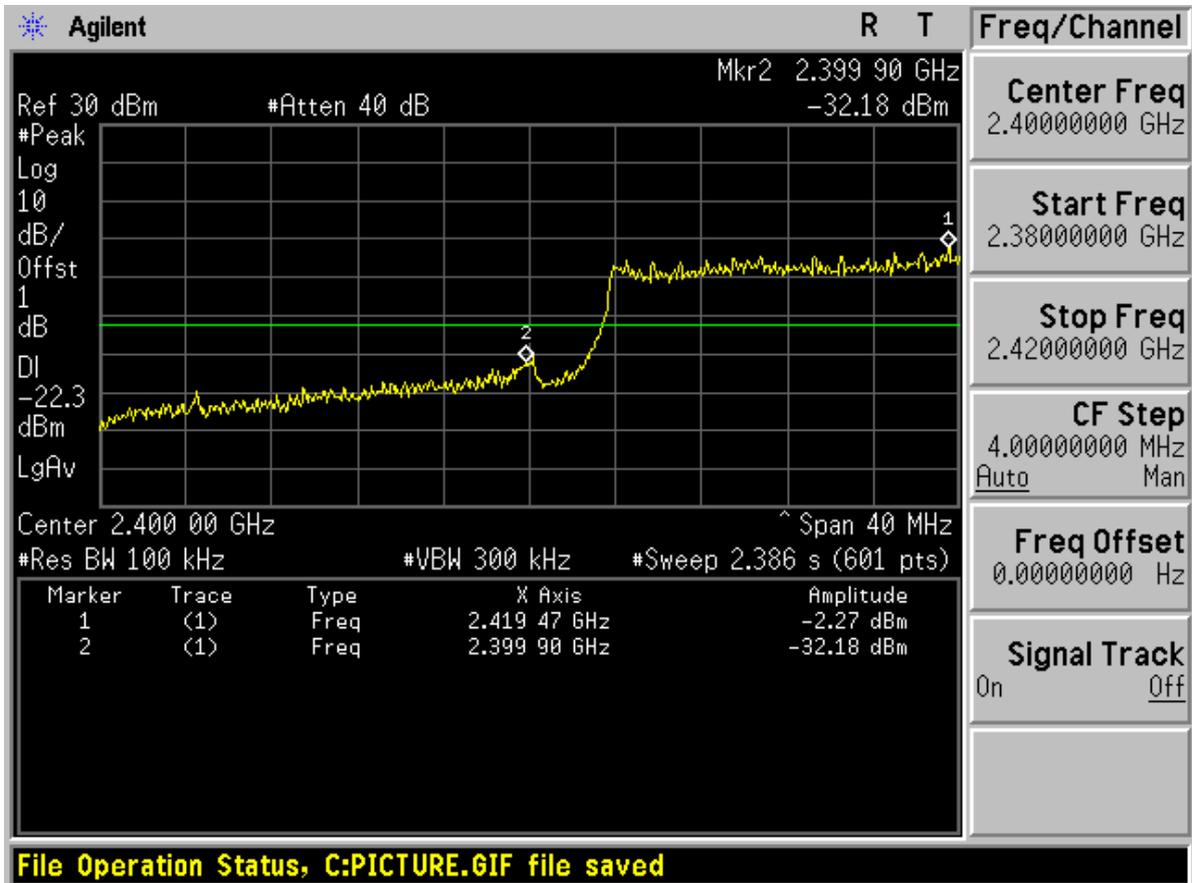




# TM6 Chain 1&2

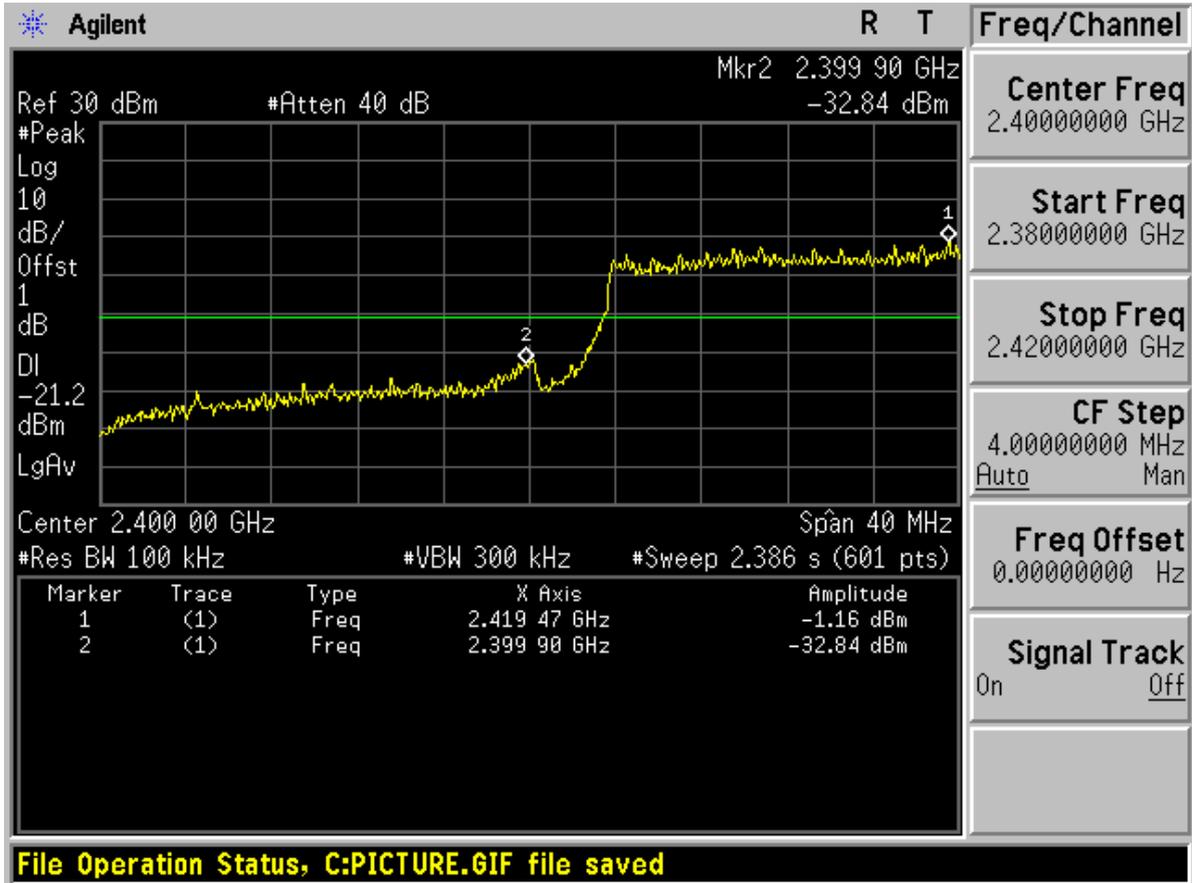
## Low edge

### Chain 1





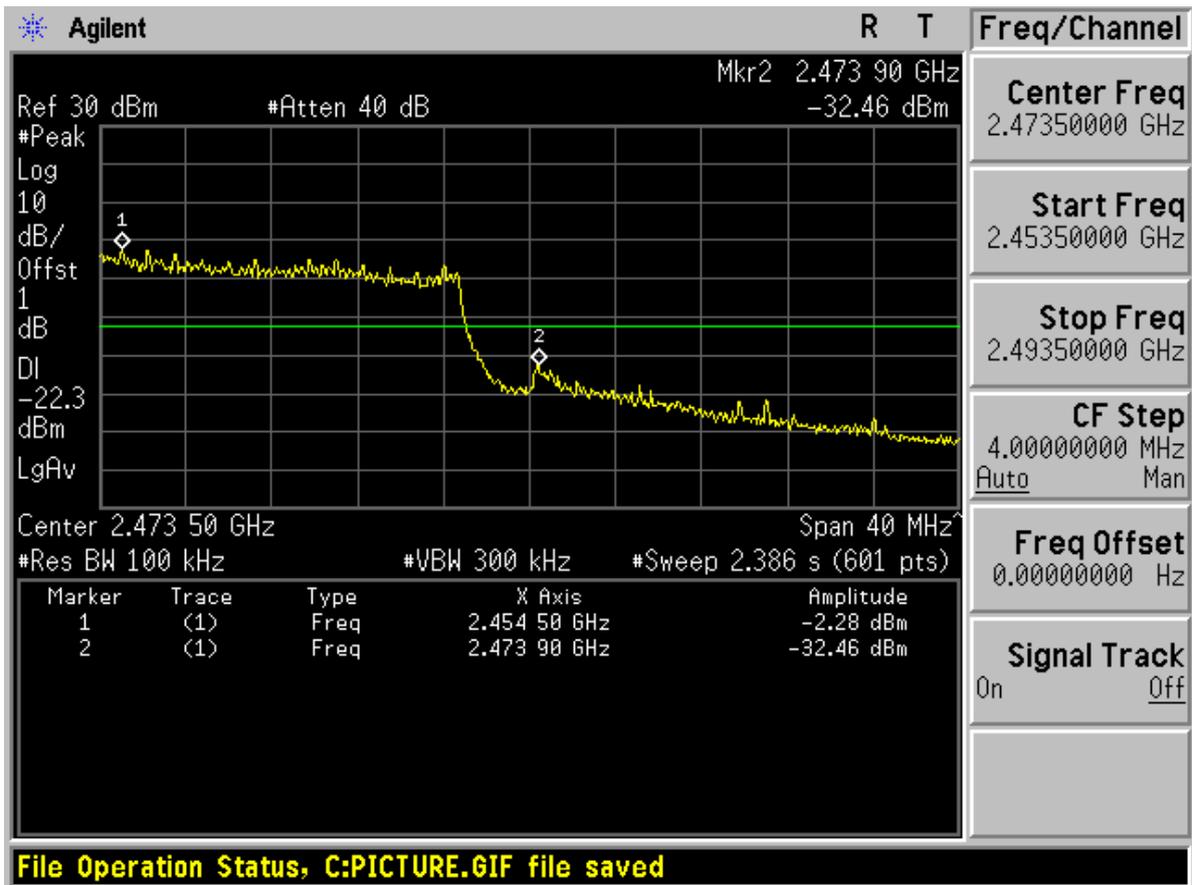
# Chain 2





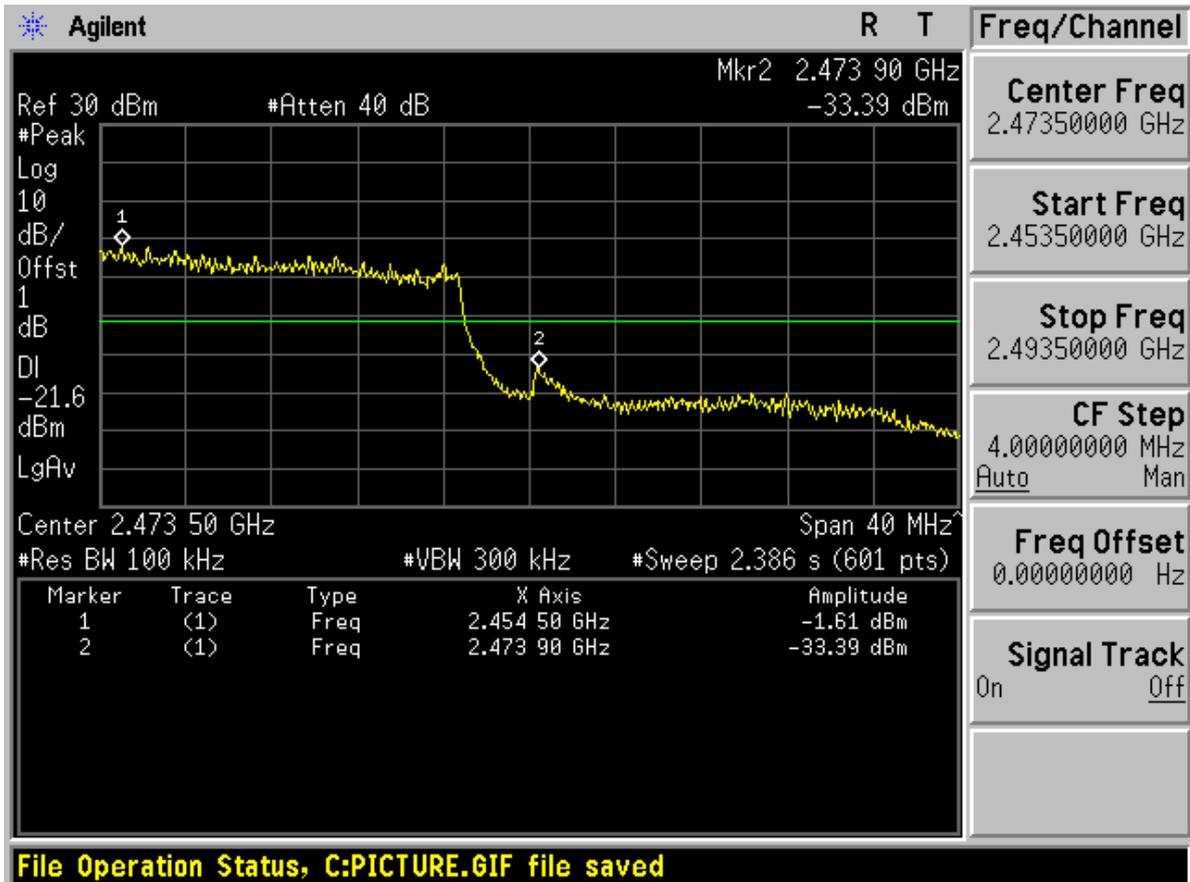
# High edge

## Chain 1





## Chain 2



-----The END-----



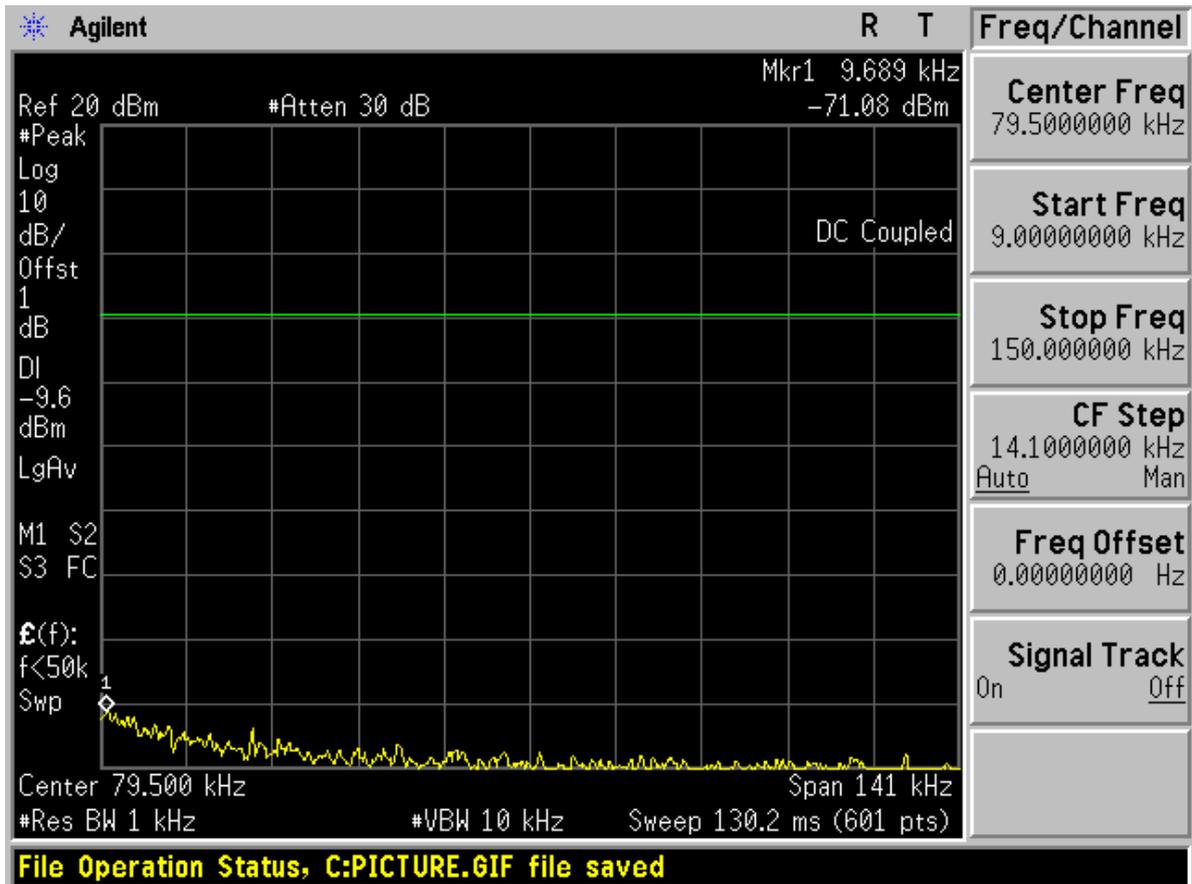
# Appendix D

## Conducted RF spurious

According to FCC Part 15.247 (d)

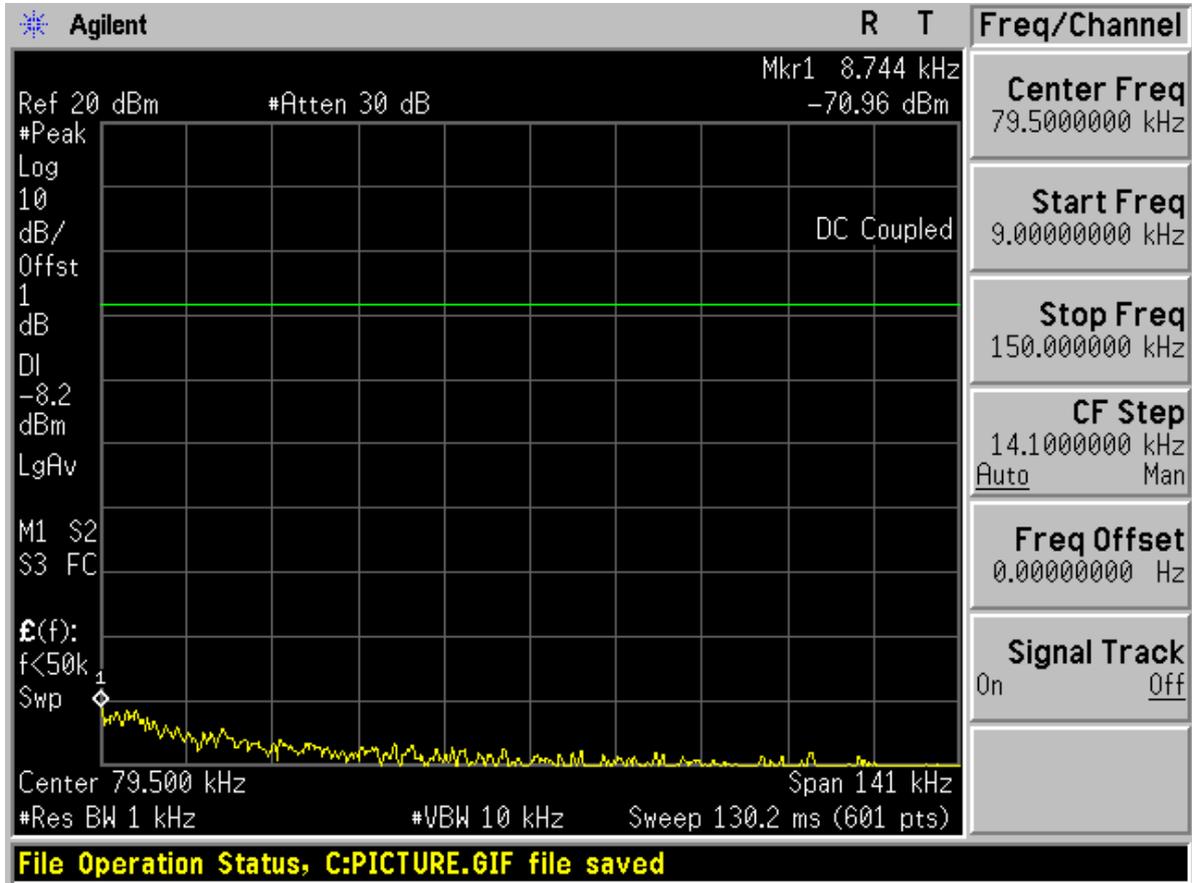


# TM1 Chain 1&2 Channel 1 9K~150K TM1\_01 Chain 1





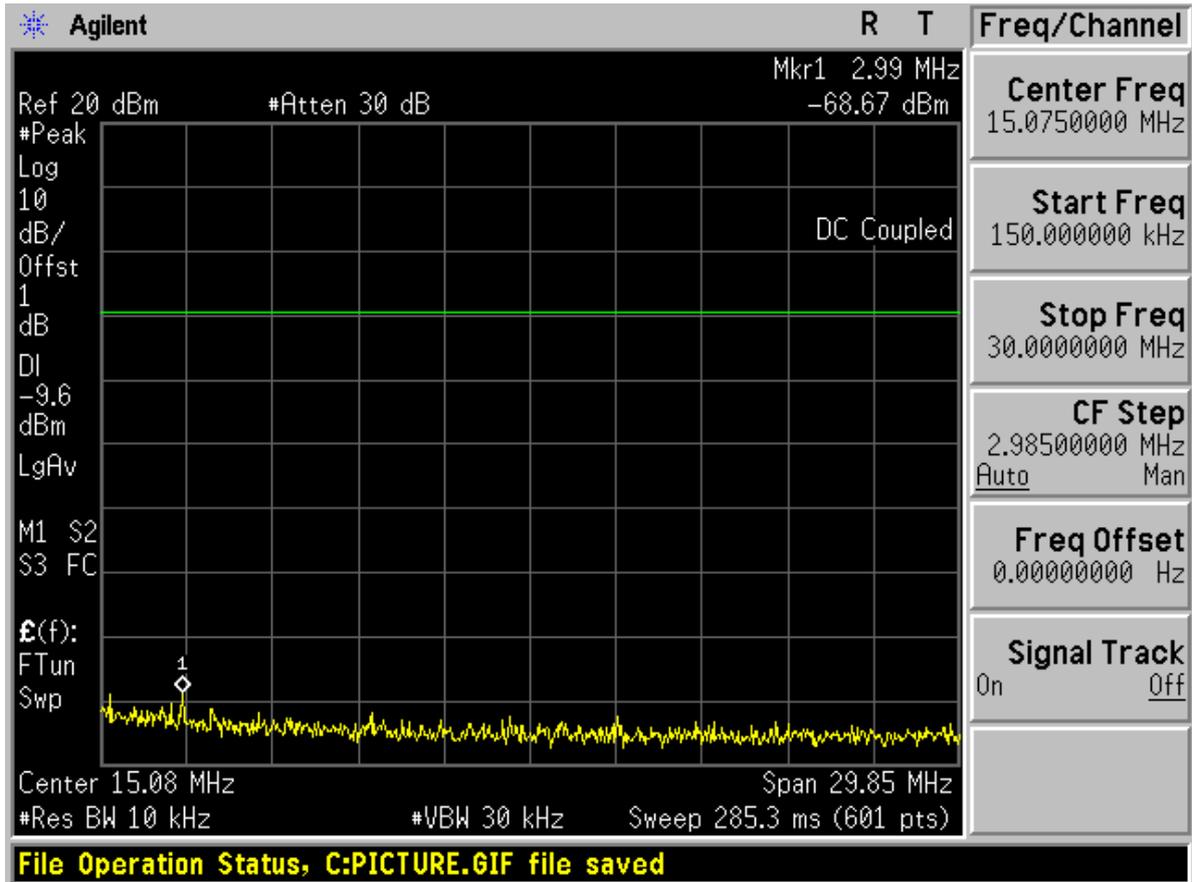
# Chain2





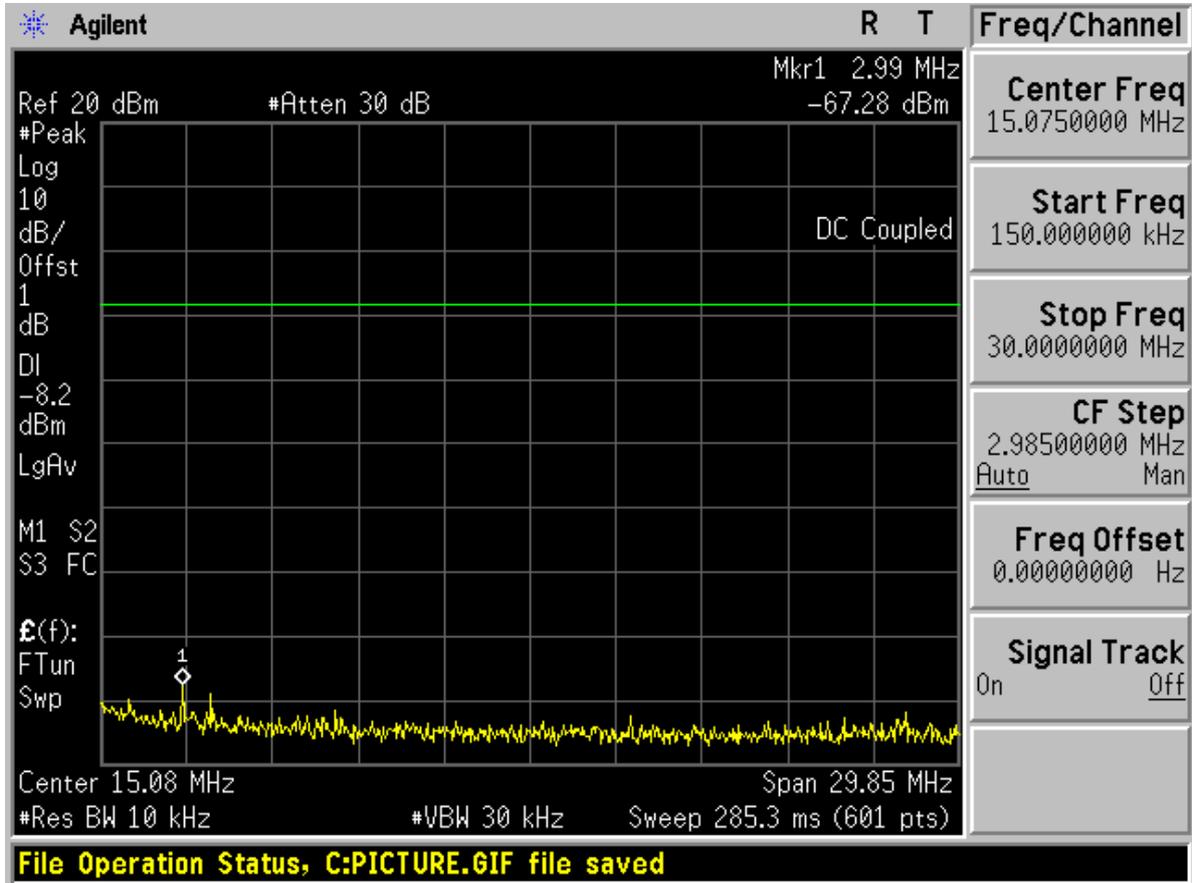
# 150K~30M TM1\_01

## Chain 1





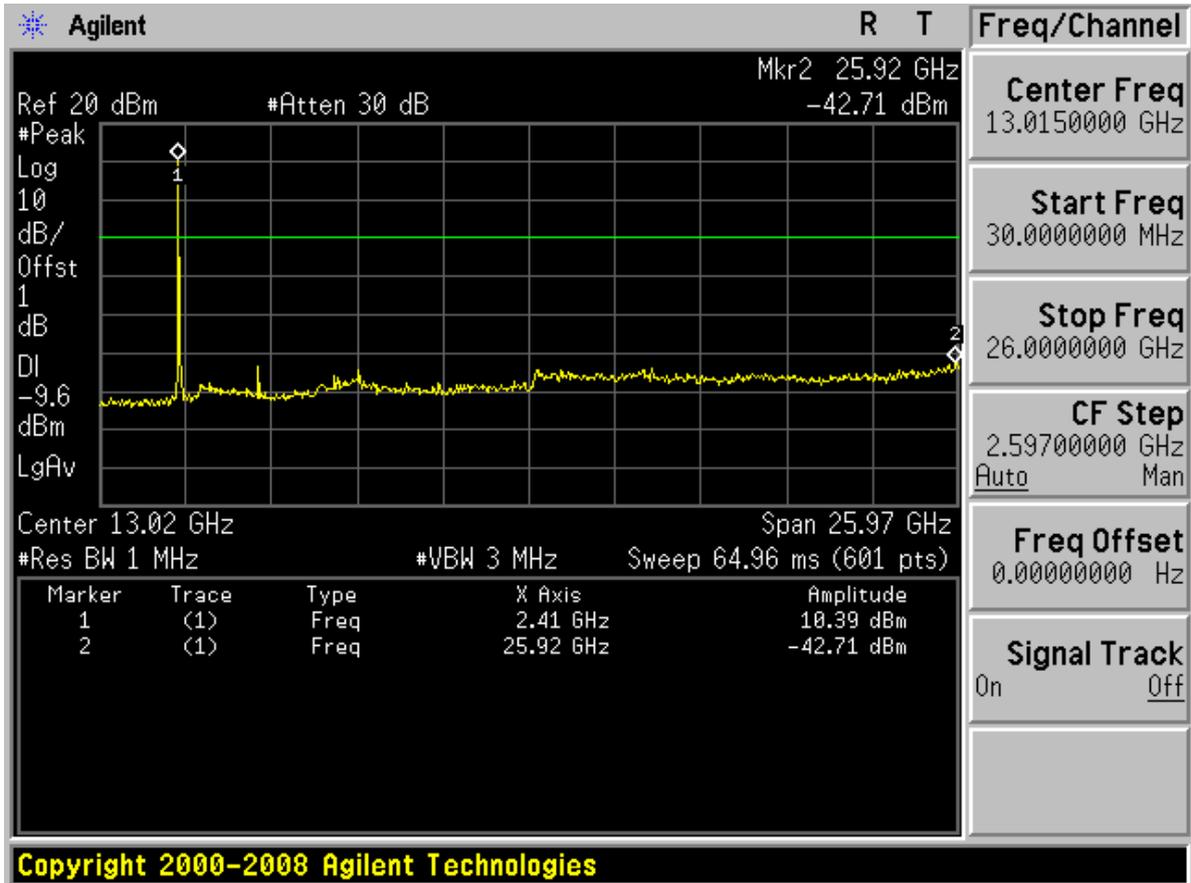
# Chain2





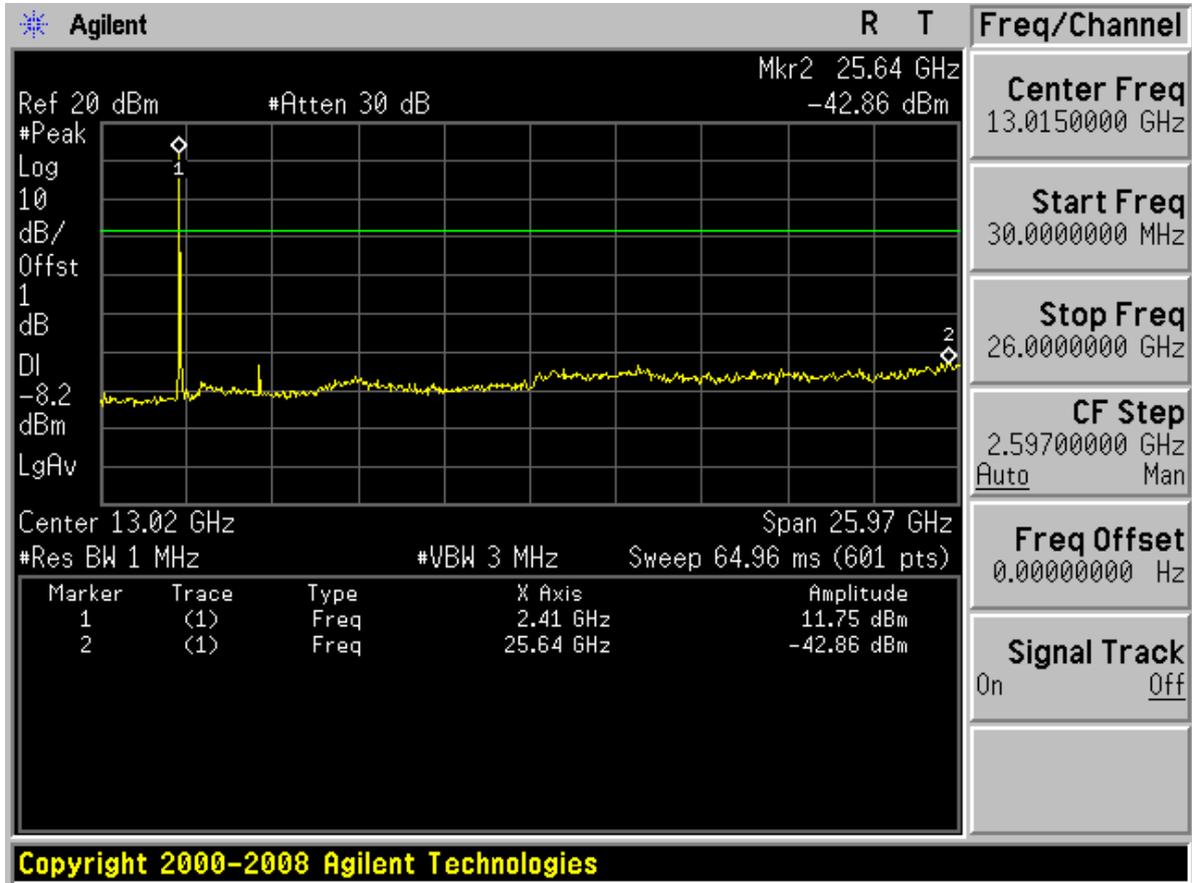
# 30M~26G TM1\_01

## Chain 1



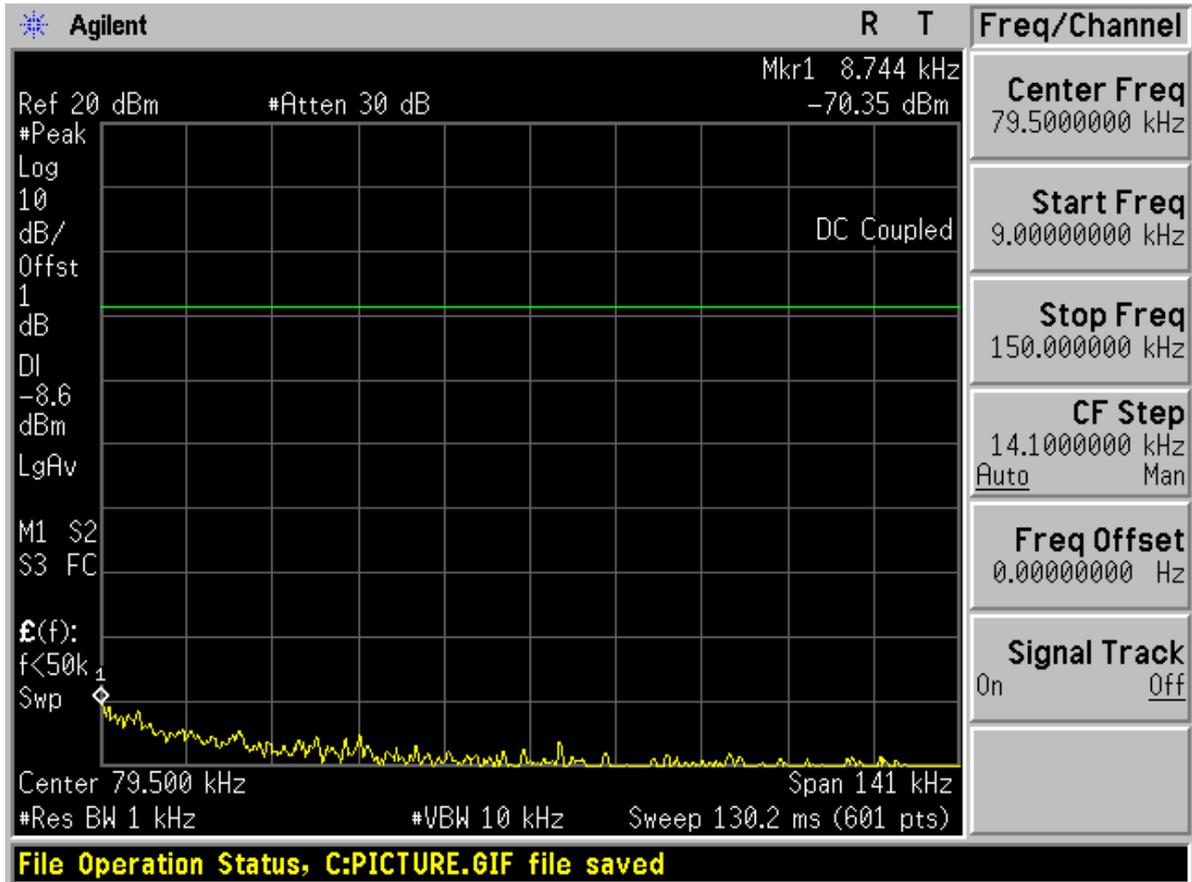


# Chain2



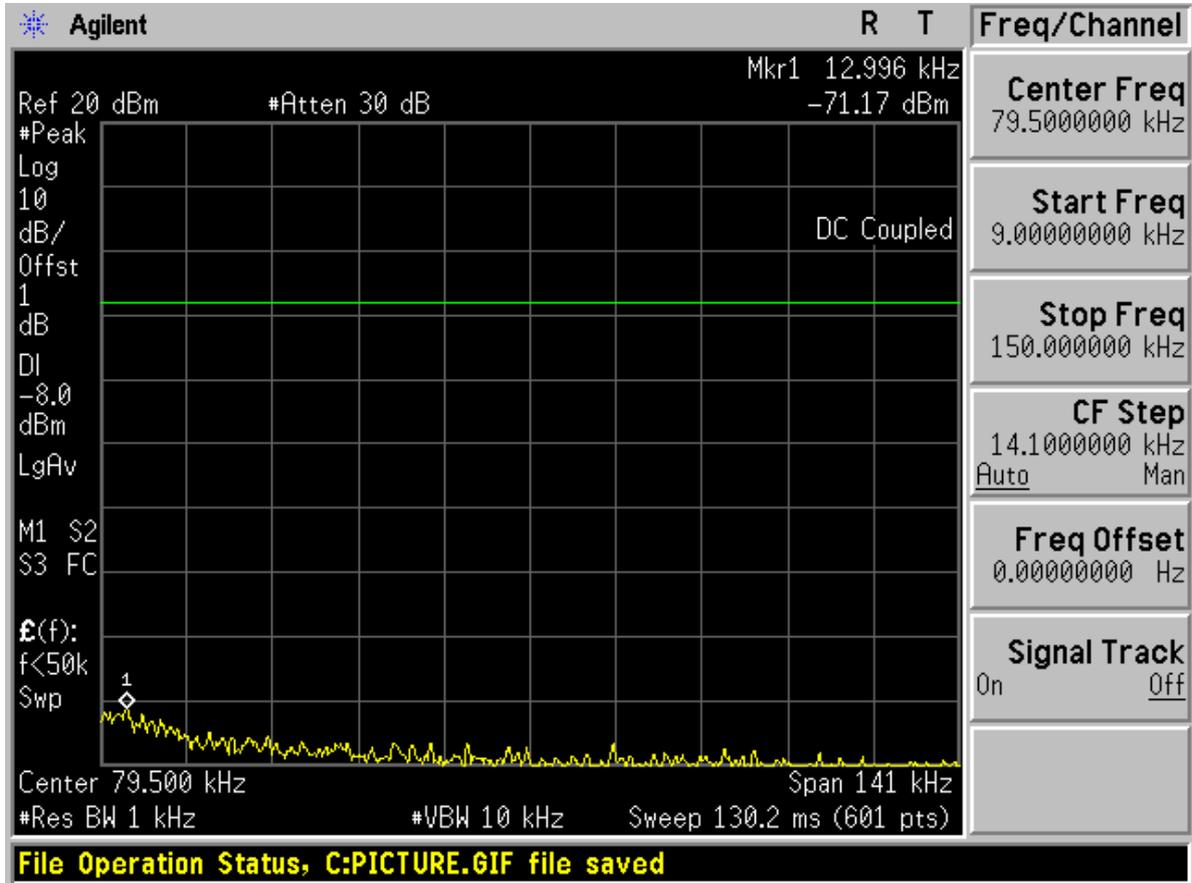


# Channel 6 9K~150K TM1\_06 Chain 1





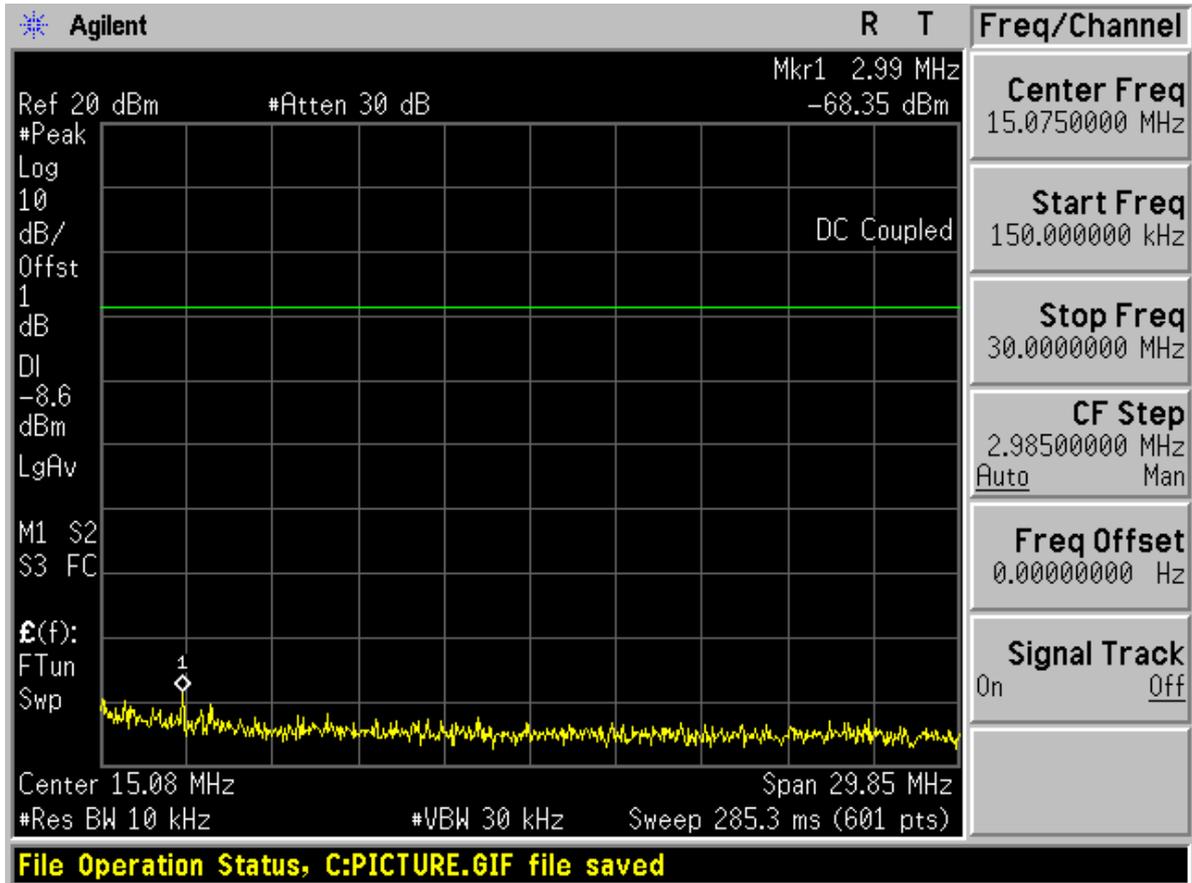
# Chain2





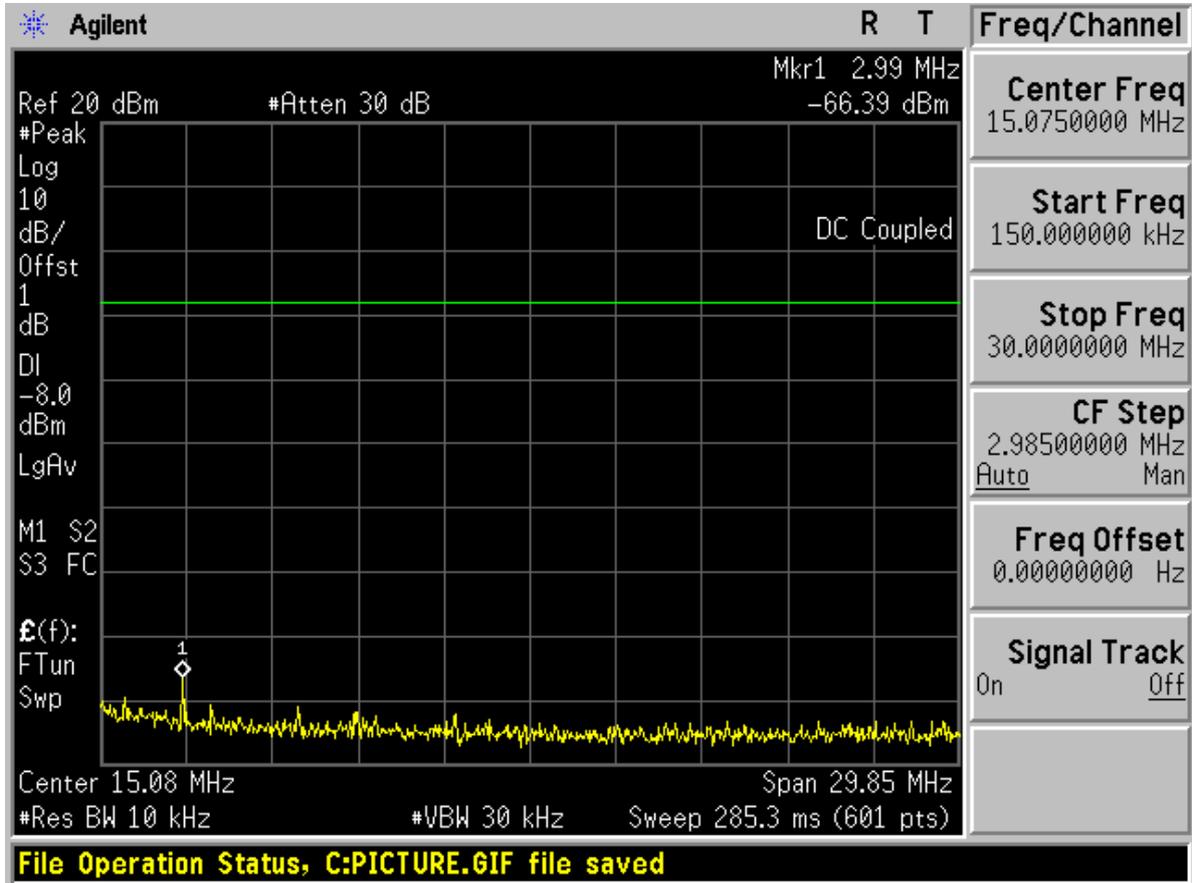
# 150K~30M TM1\_06

## Chain 1





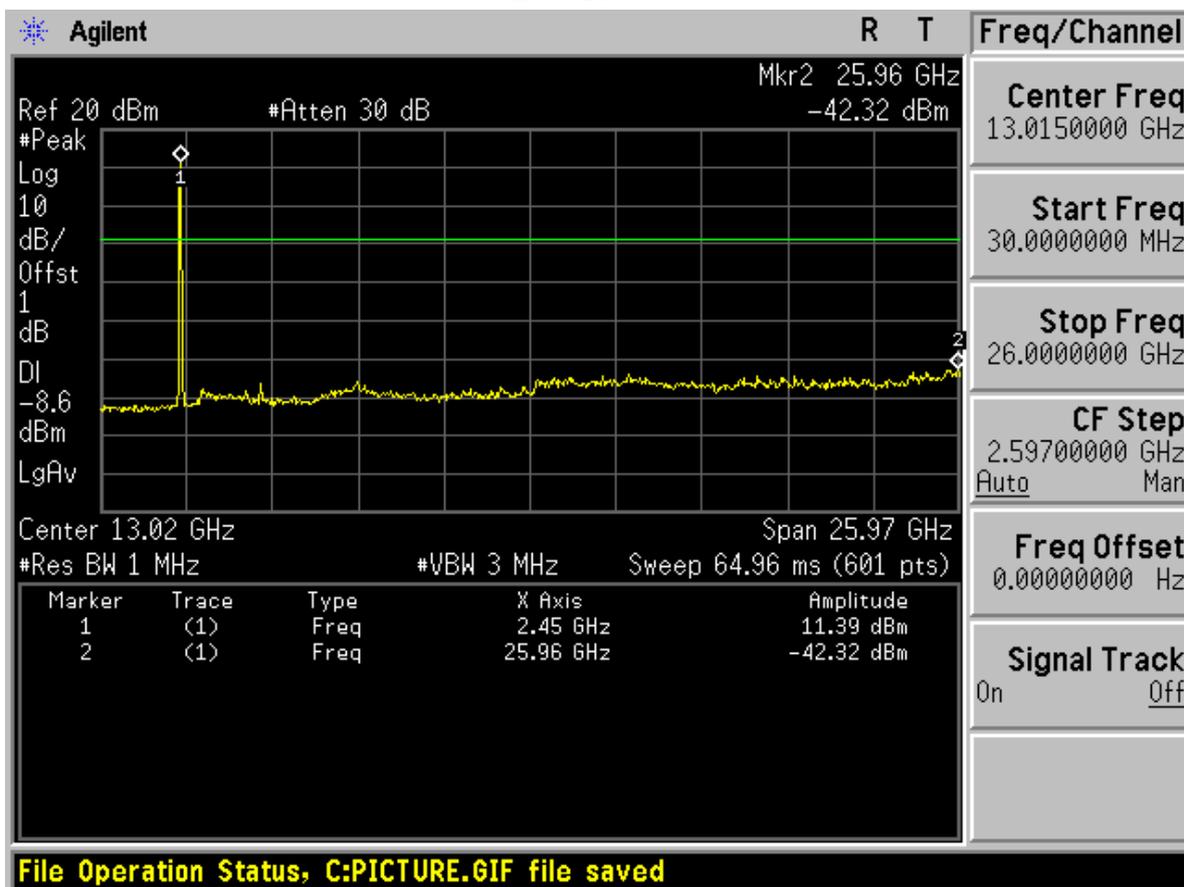
# Chain2





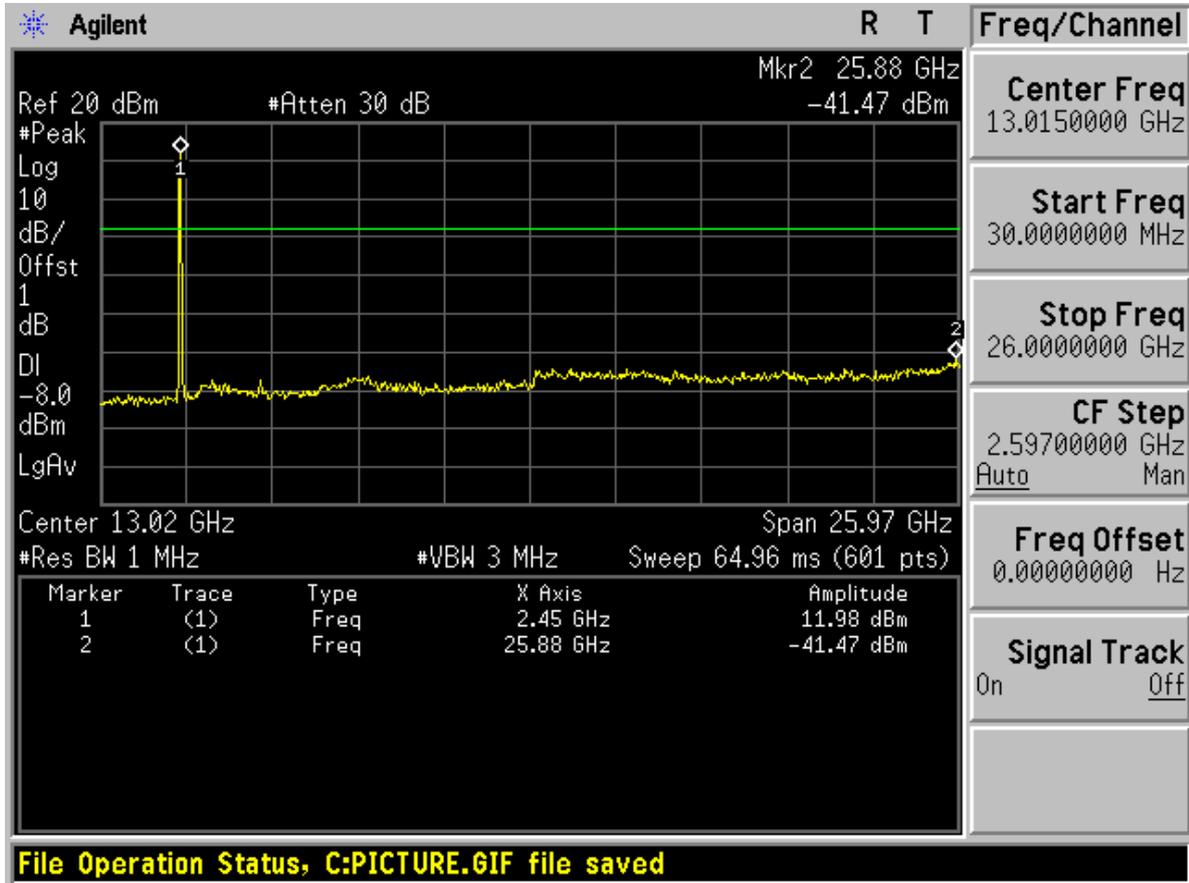
# 30M~26G TM1\_06

## Chain 1





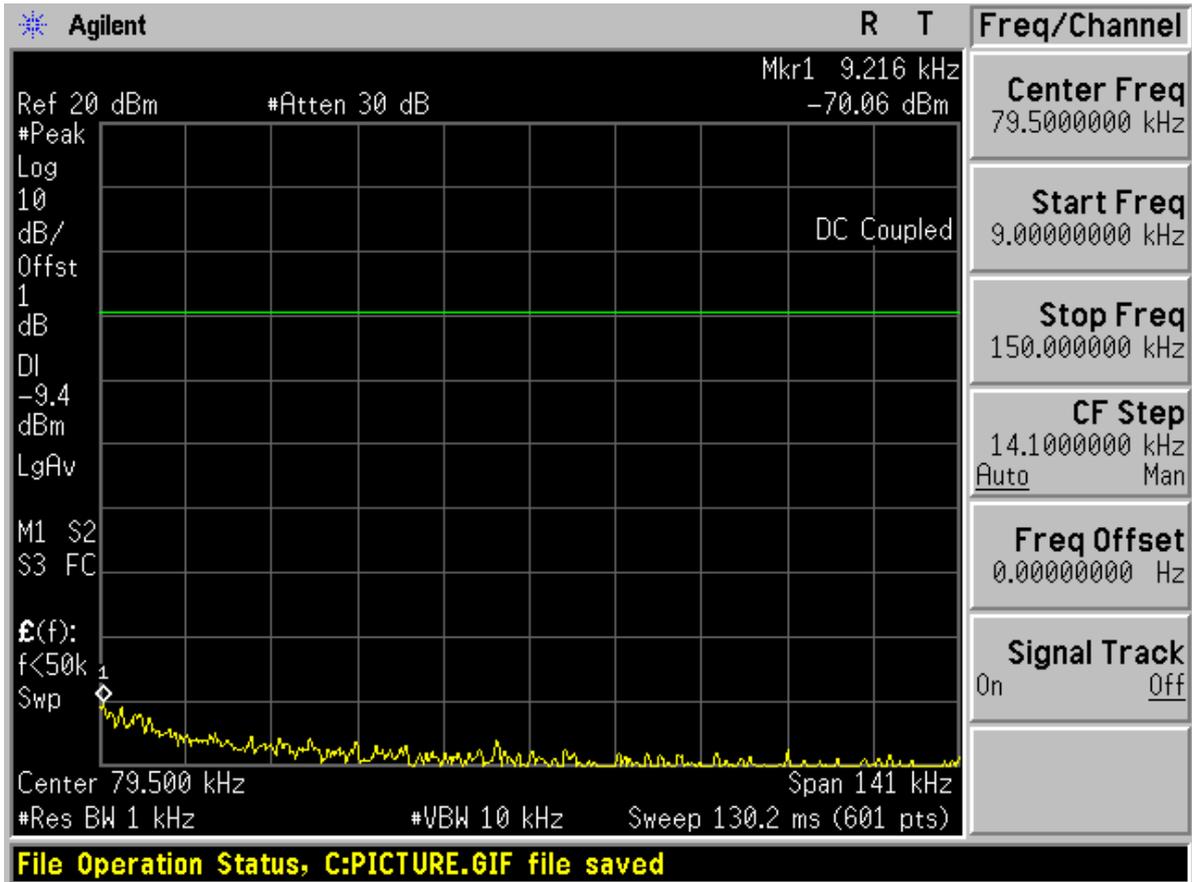
# Chain2





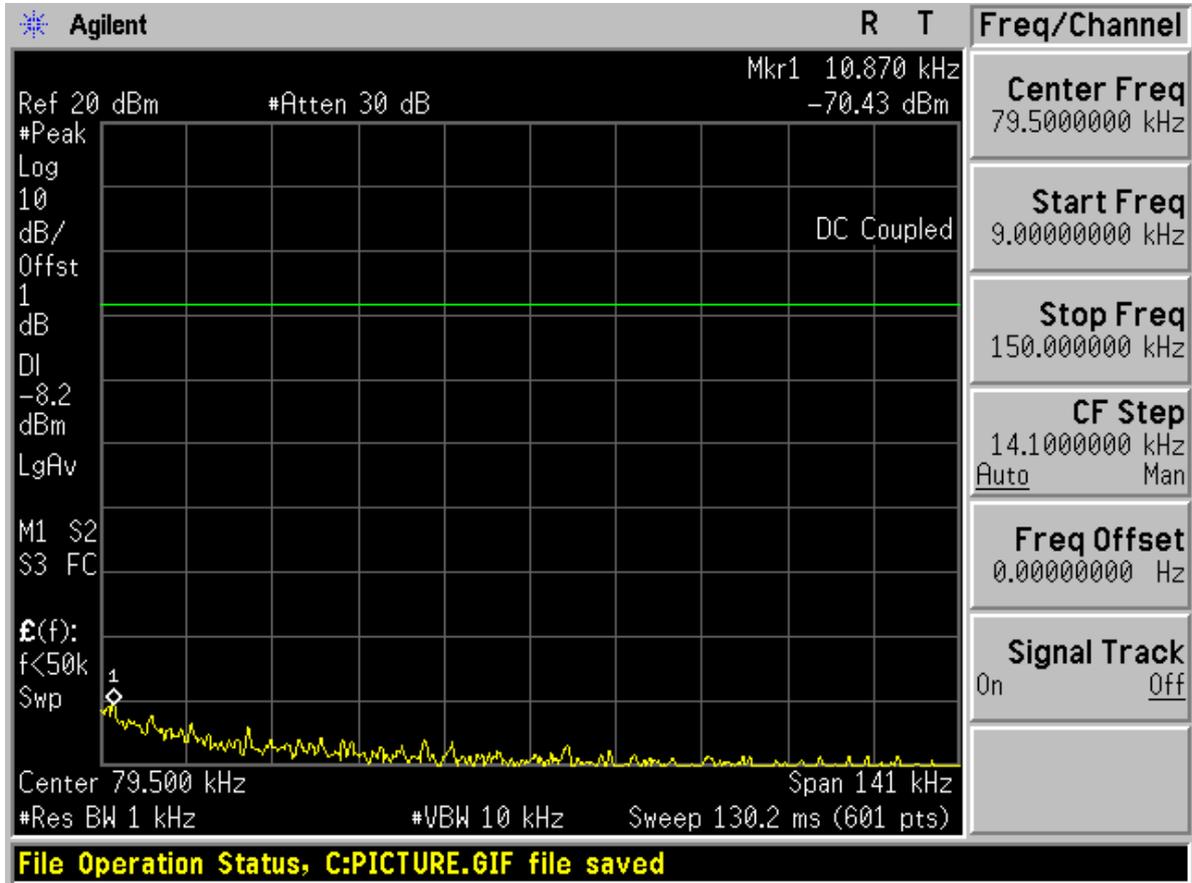
# Channel 11 9K~150K TM1\_11

## Chain 1





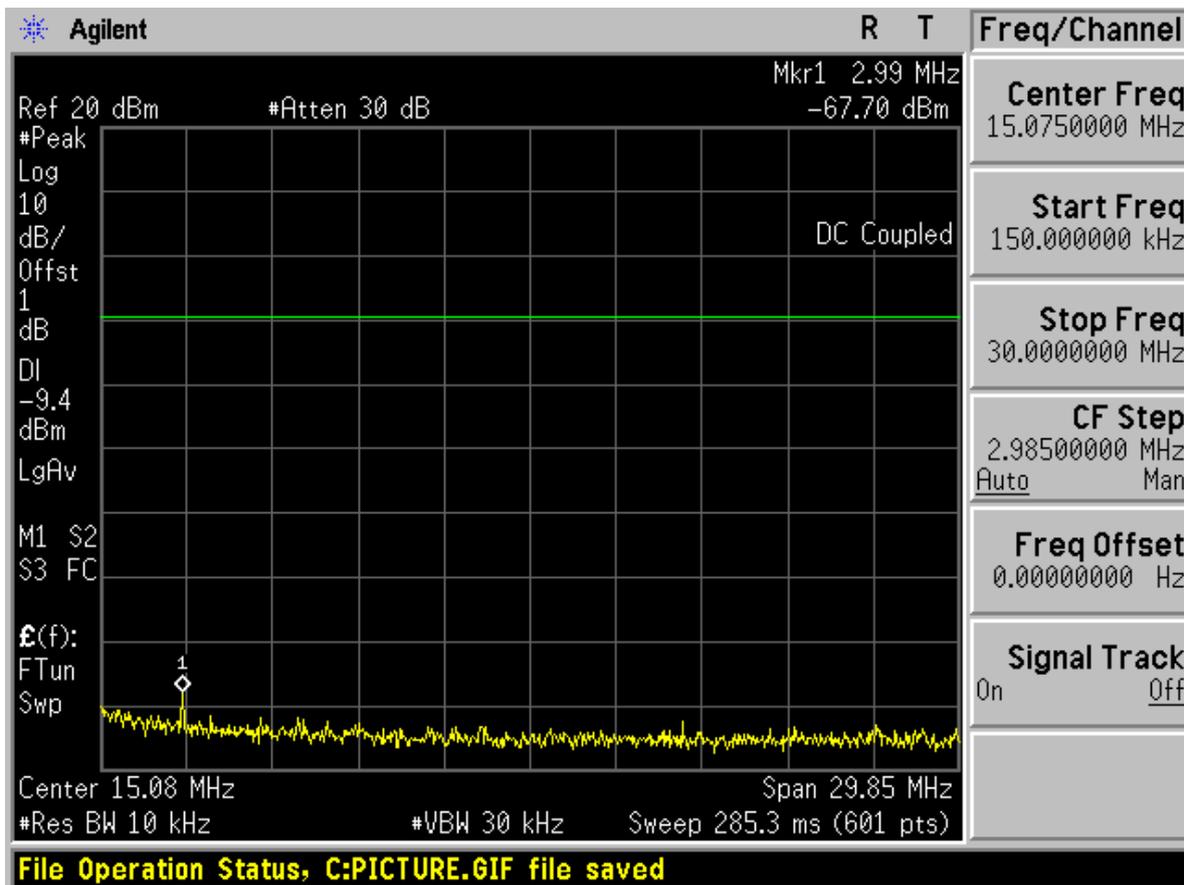
# Chain2





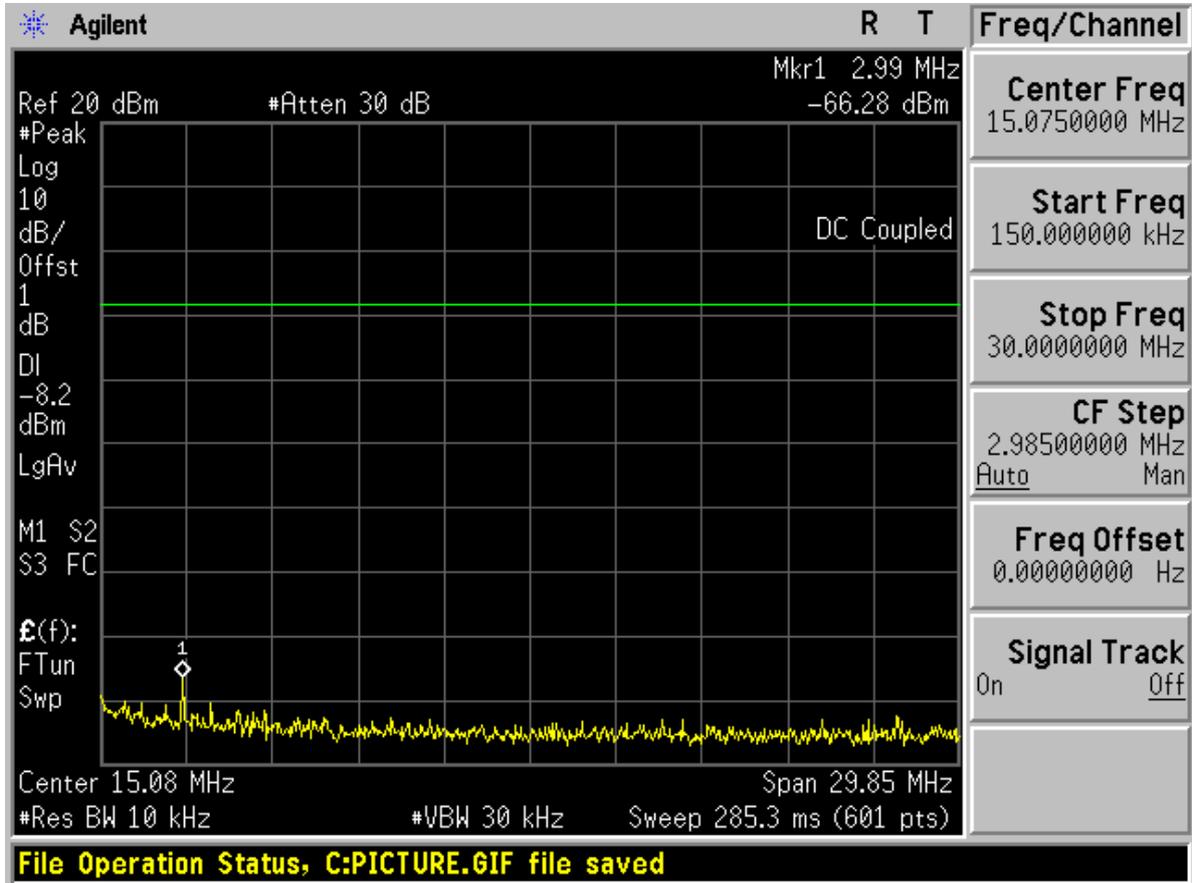
# 150K~30M TM1\_11

## Chain 1





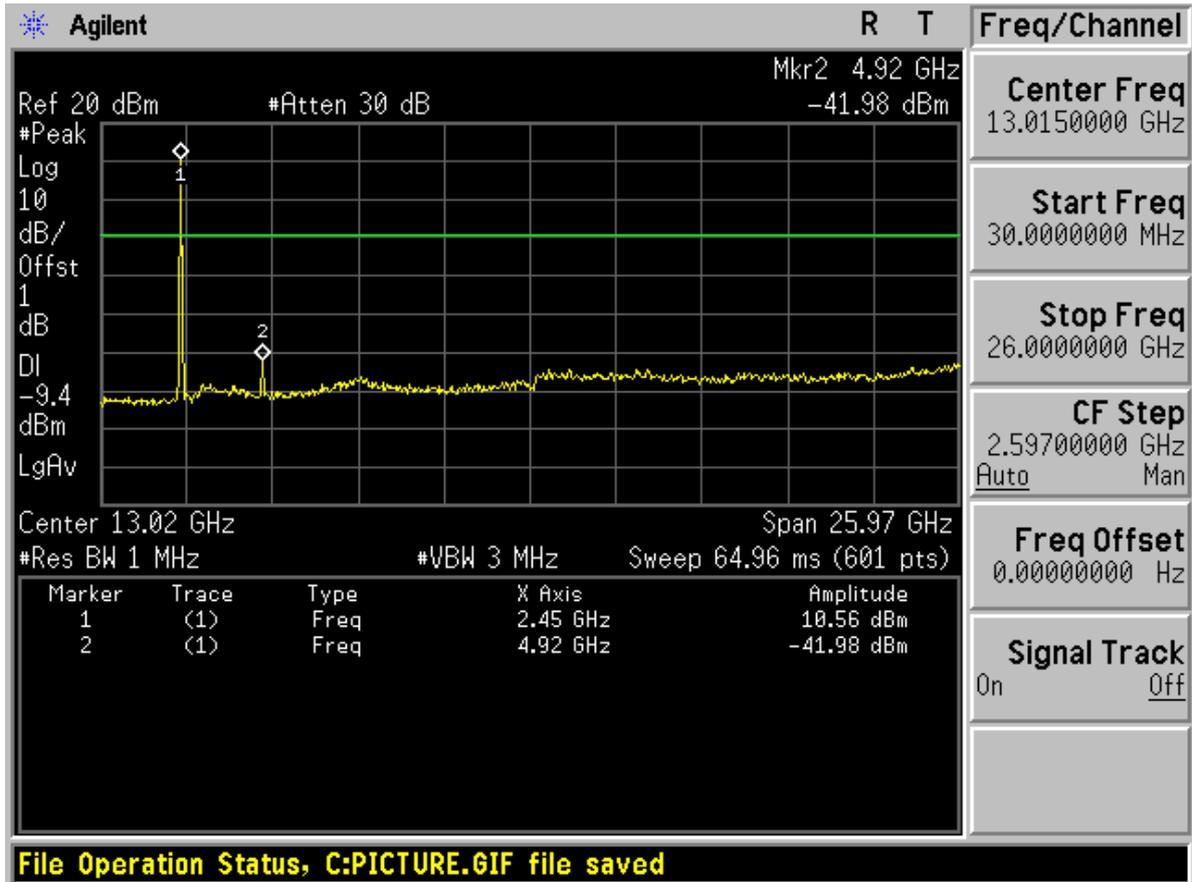
# Chain2





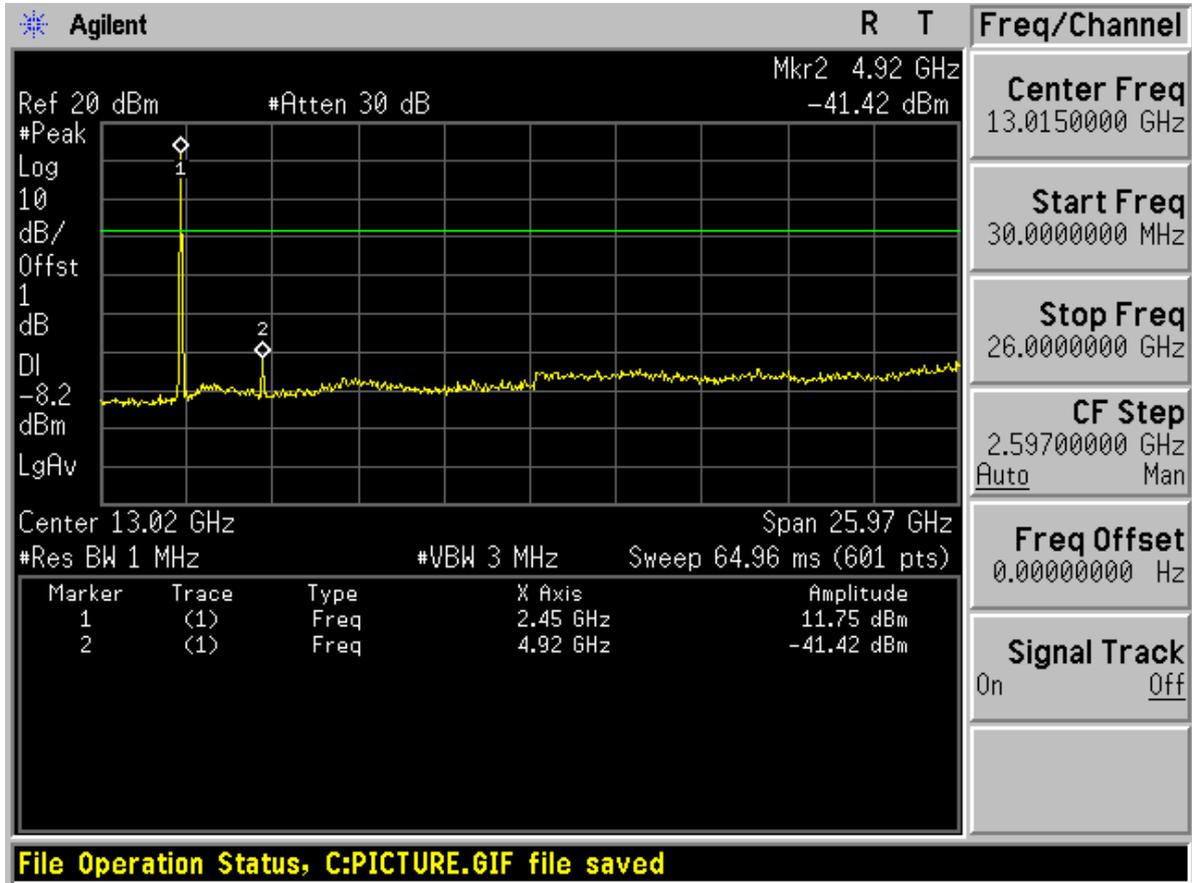
# 30M~26G TM1\_11

## Chain 1





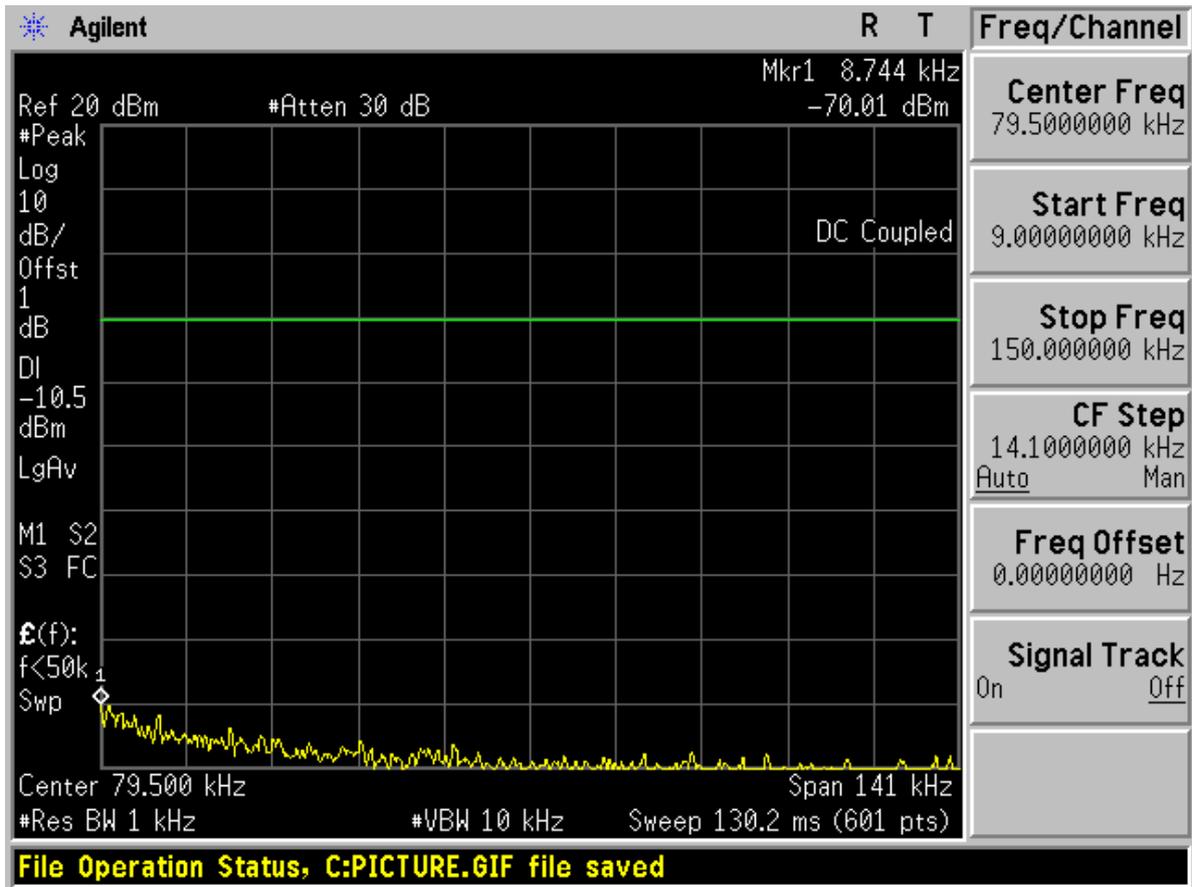
# Chain2





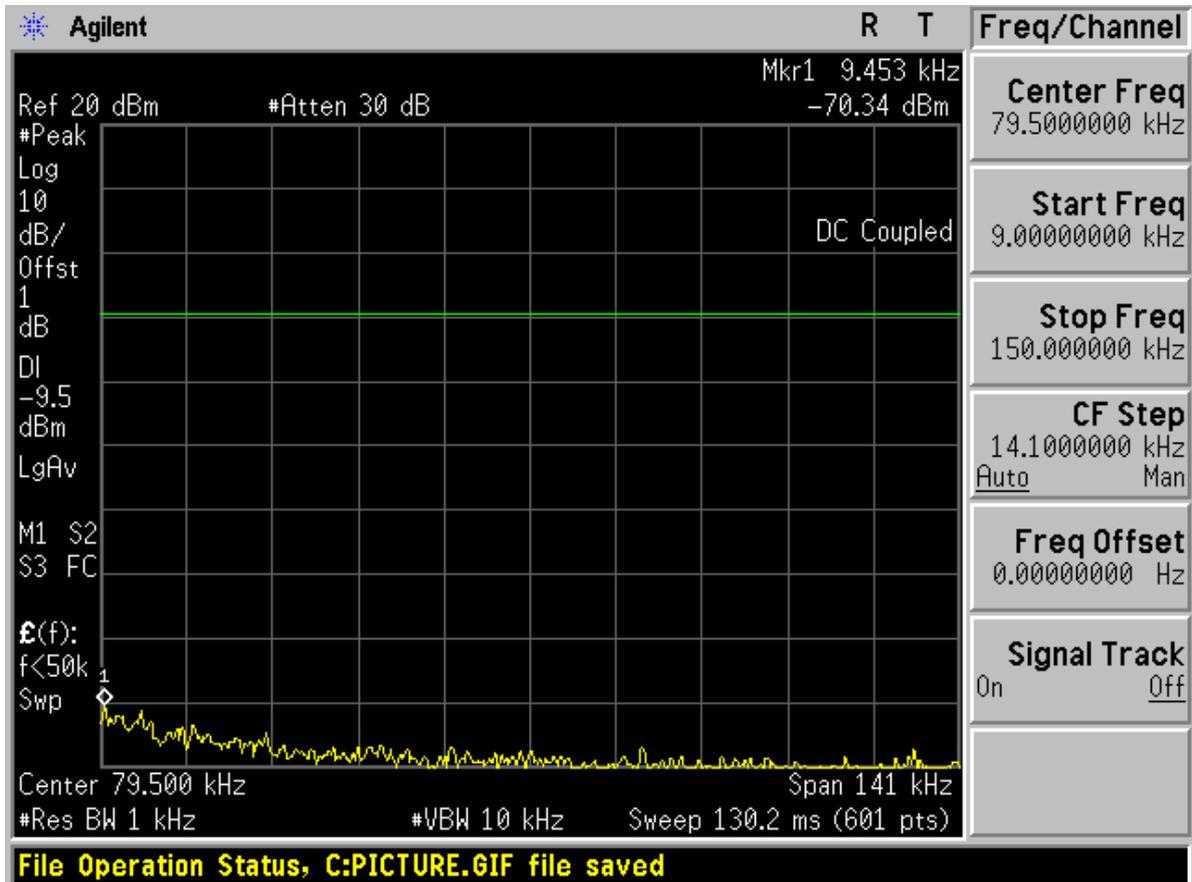
# TM2 Chain 1&2 Channel 1 9K~150K TM2\_01

## Chain 1





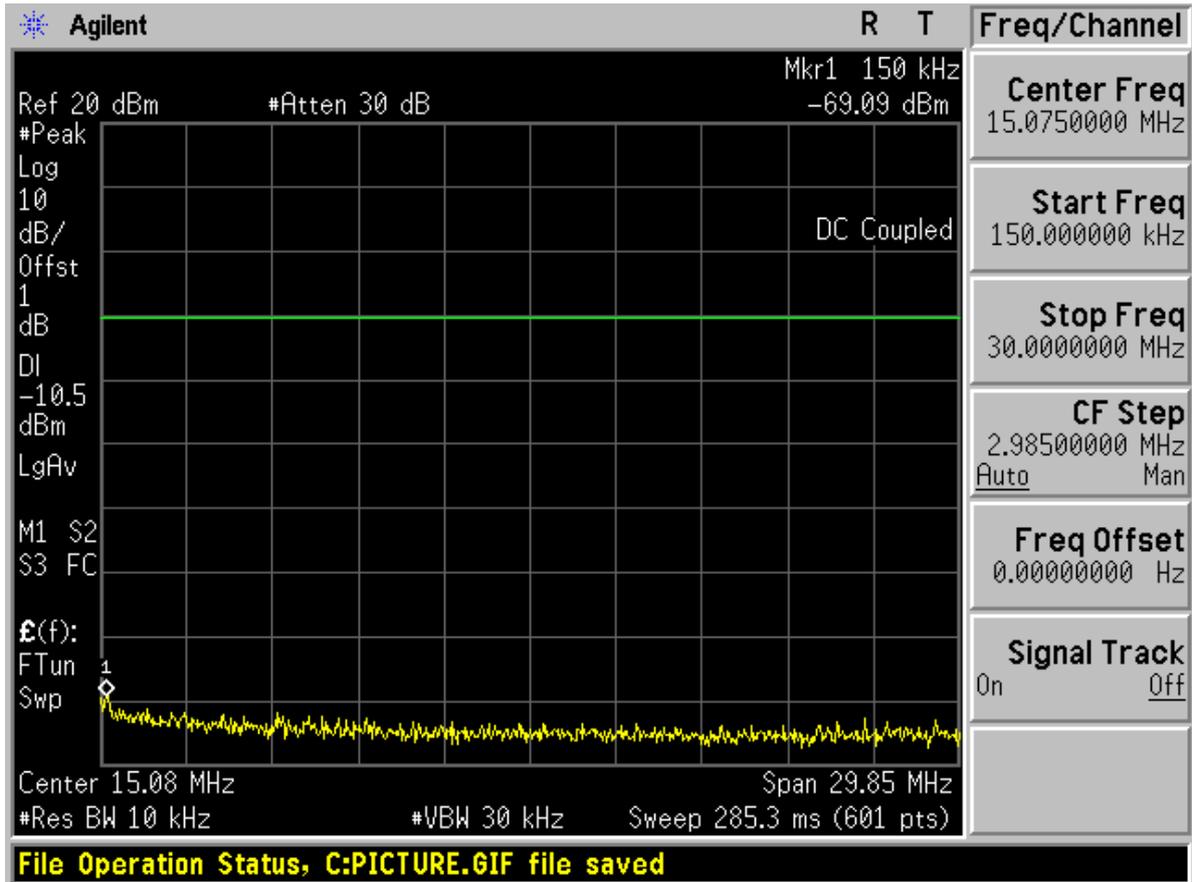
# Chain2





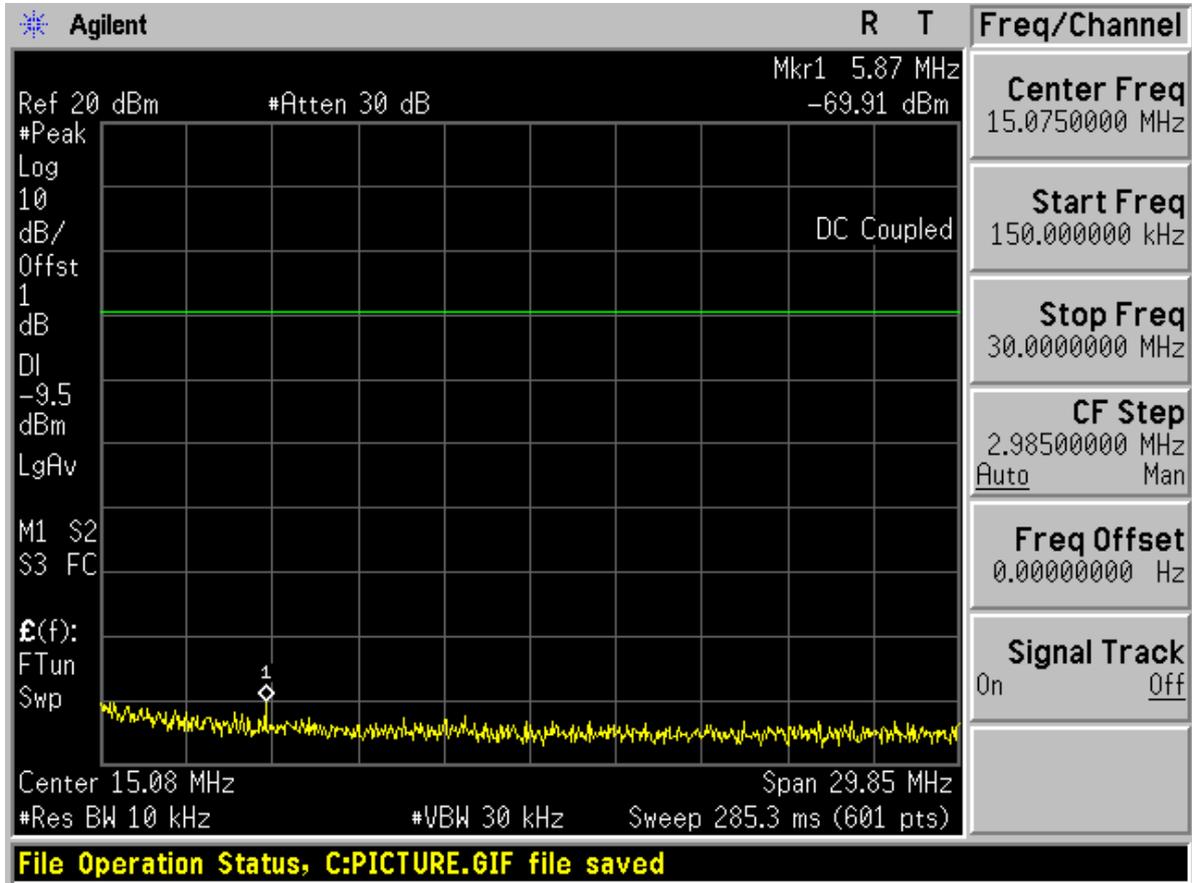
# 150K~30M TM2\_01

## Chain 1





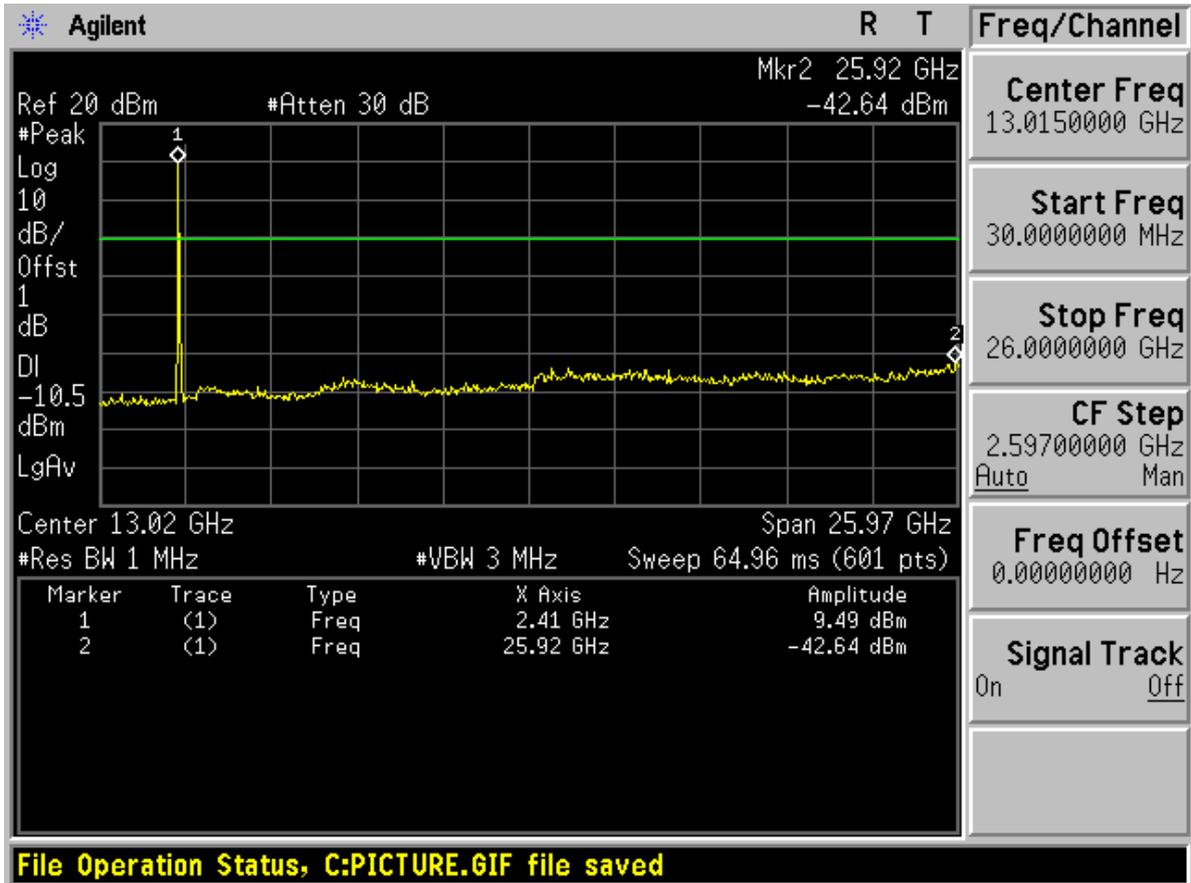
# Chain2





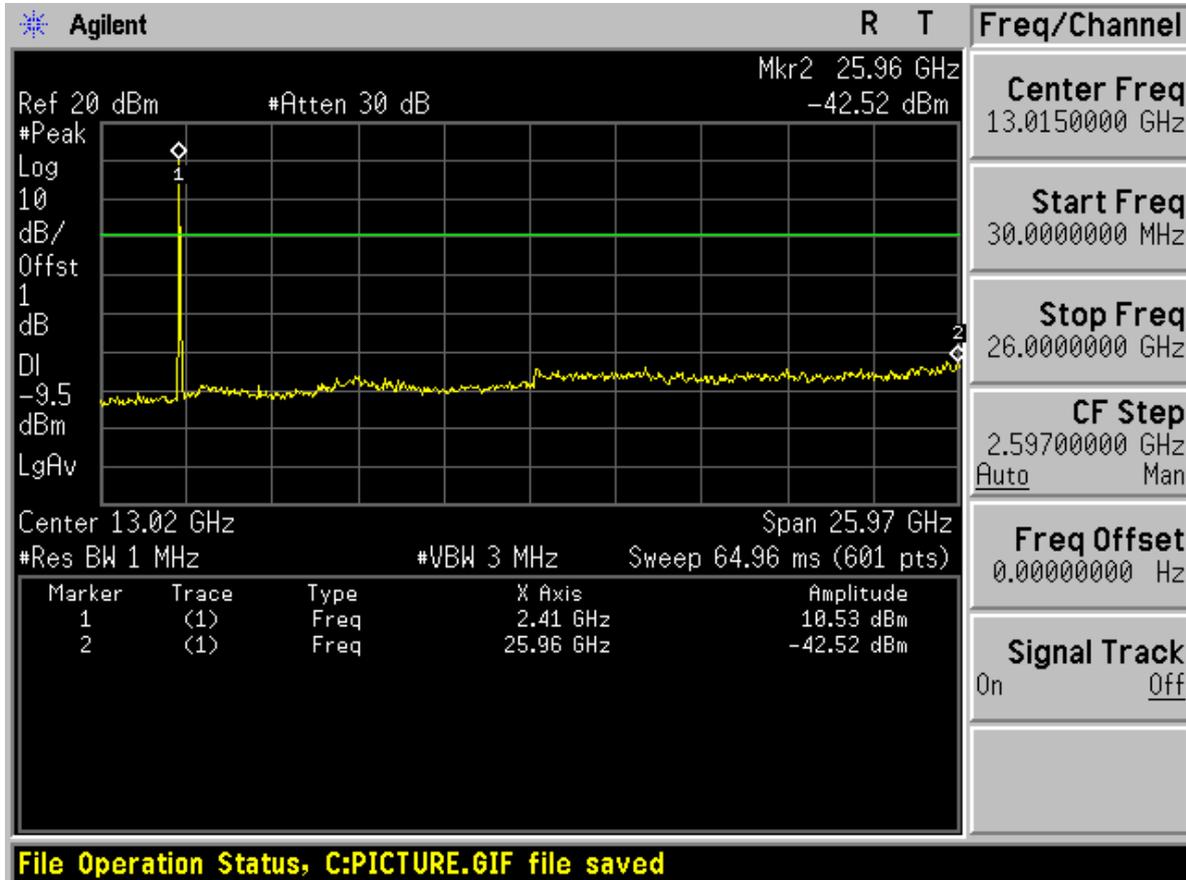
# 30M~26G TM2\_01

## Chain 1





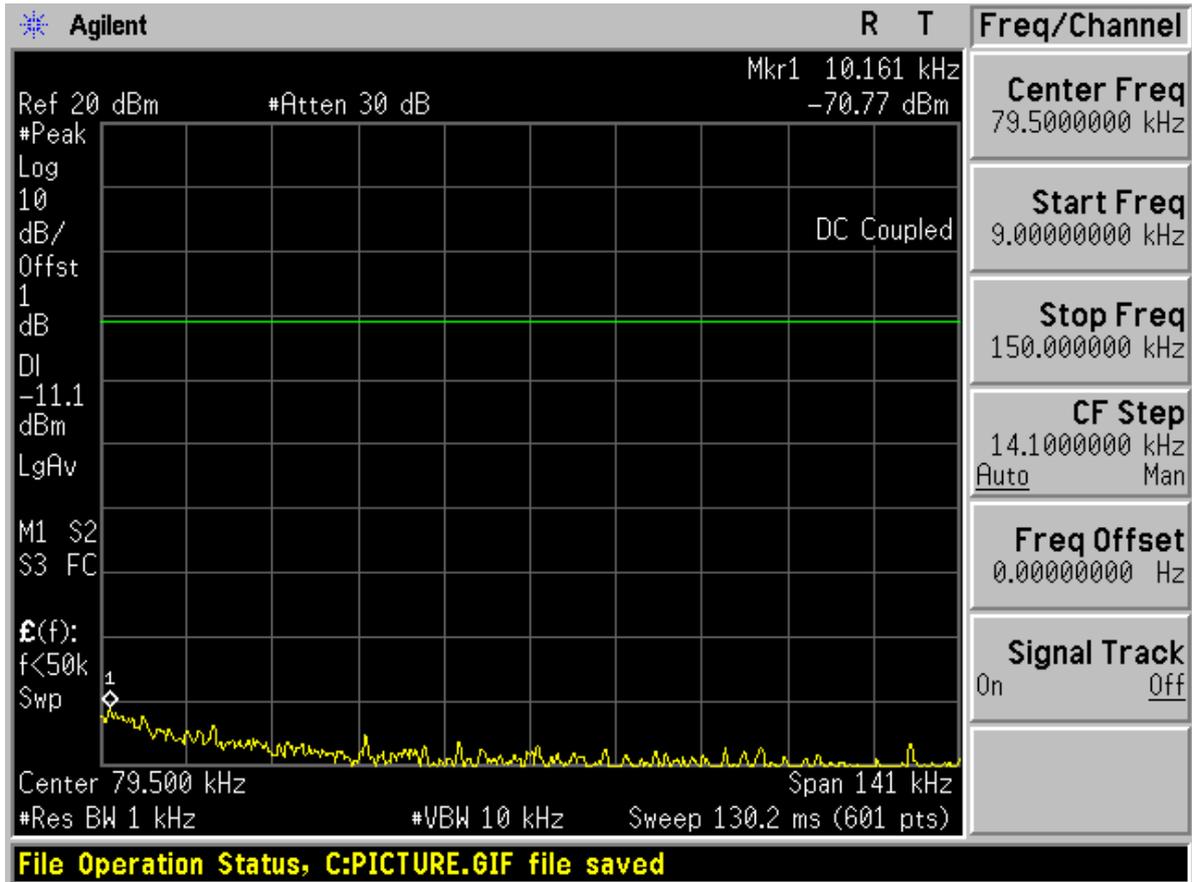
# Chain2





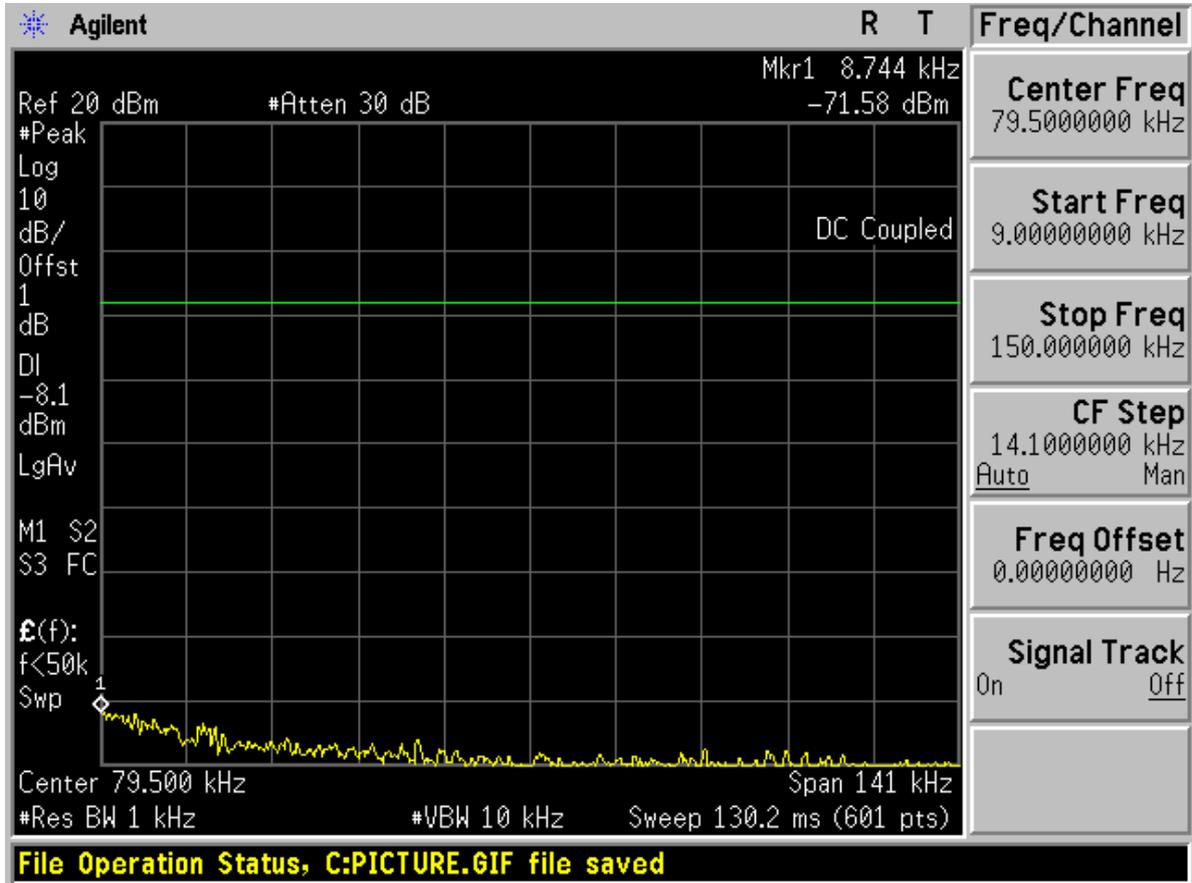
# Channel 6 9K~150K TM2\_06

## Chain 1





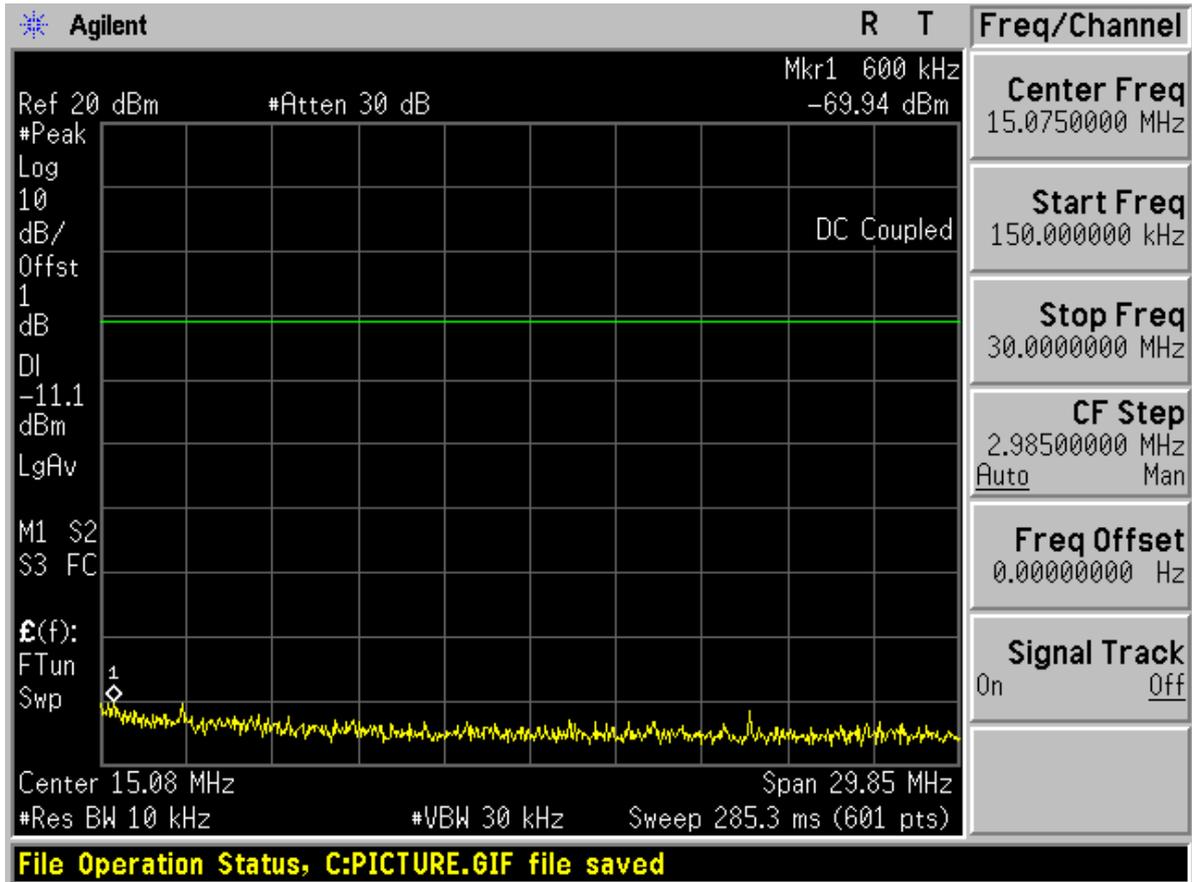
# Chain2





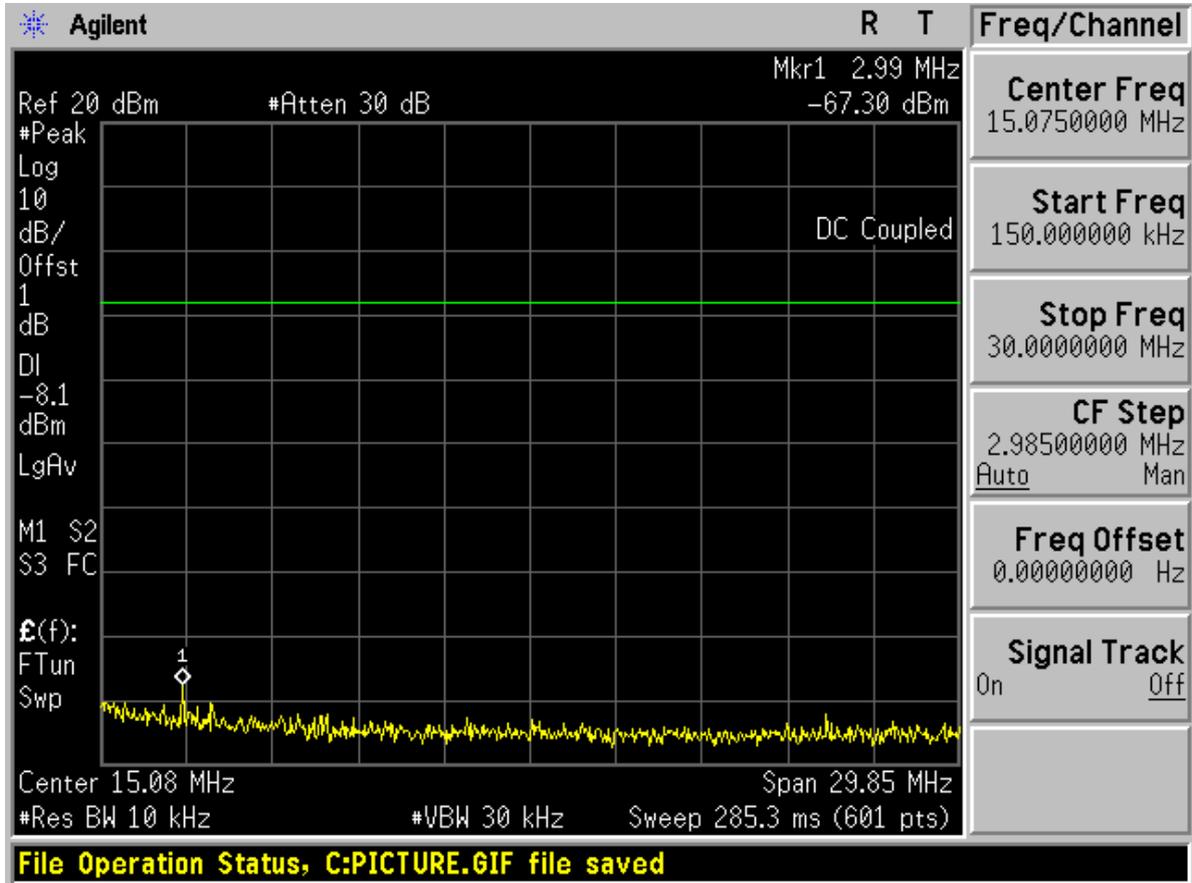
# 150K~30M TM2\_06

## Chain 1





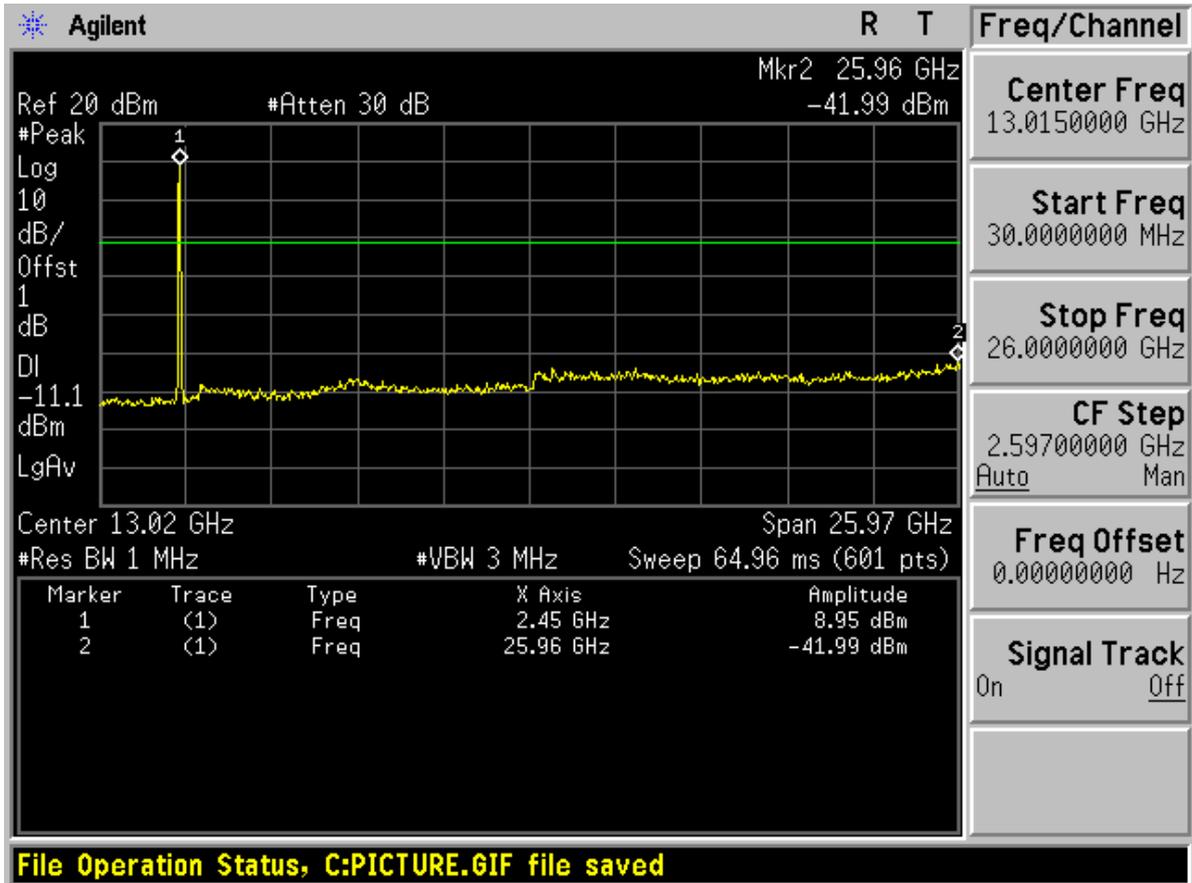
# Chain2





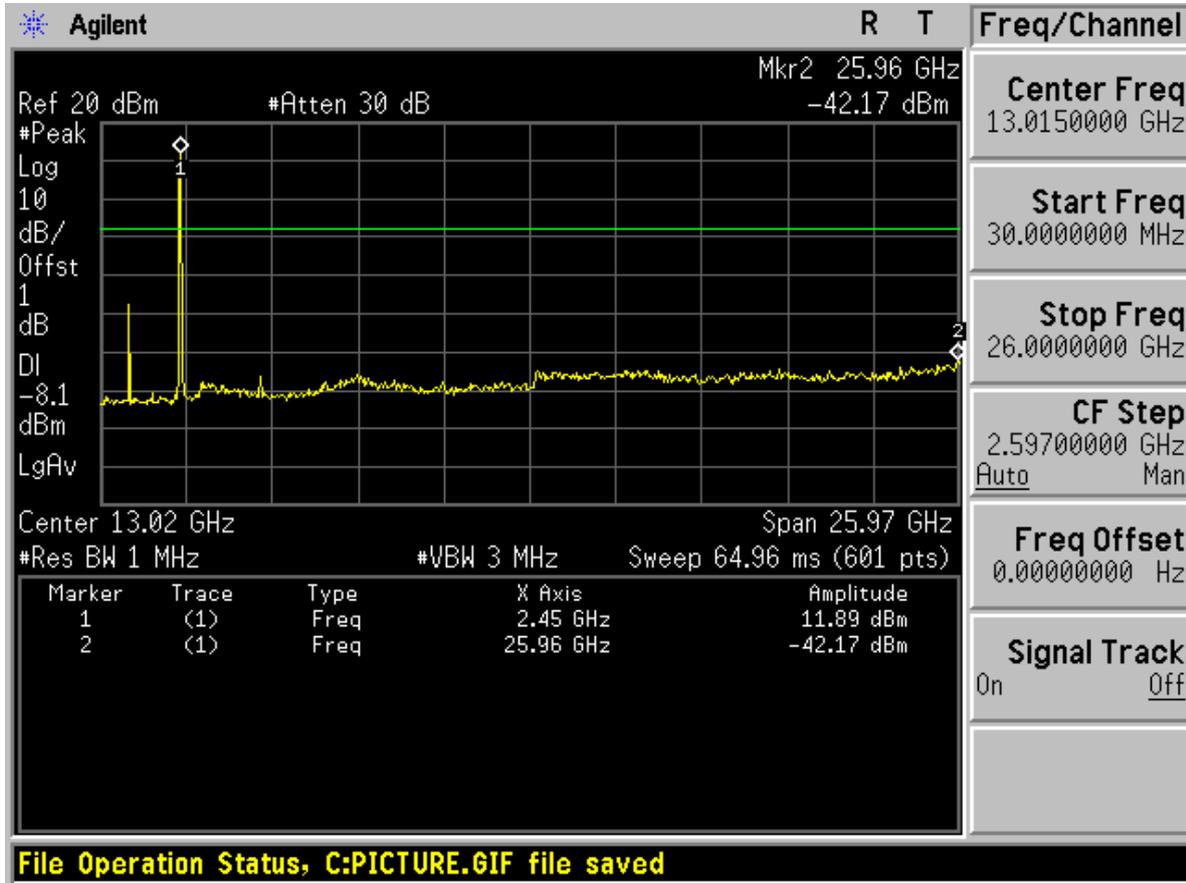
# 30M~26G TM2\_06

## Chain 1





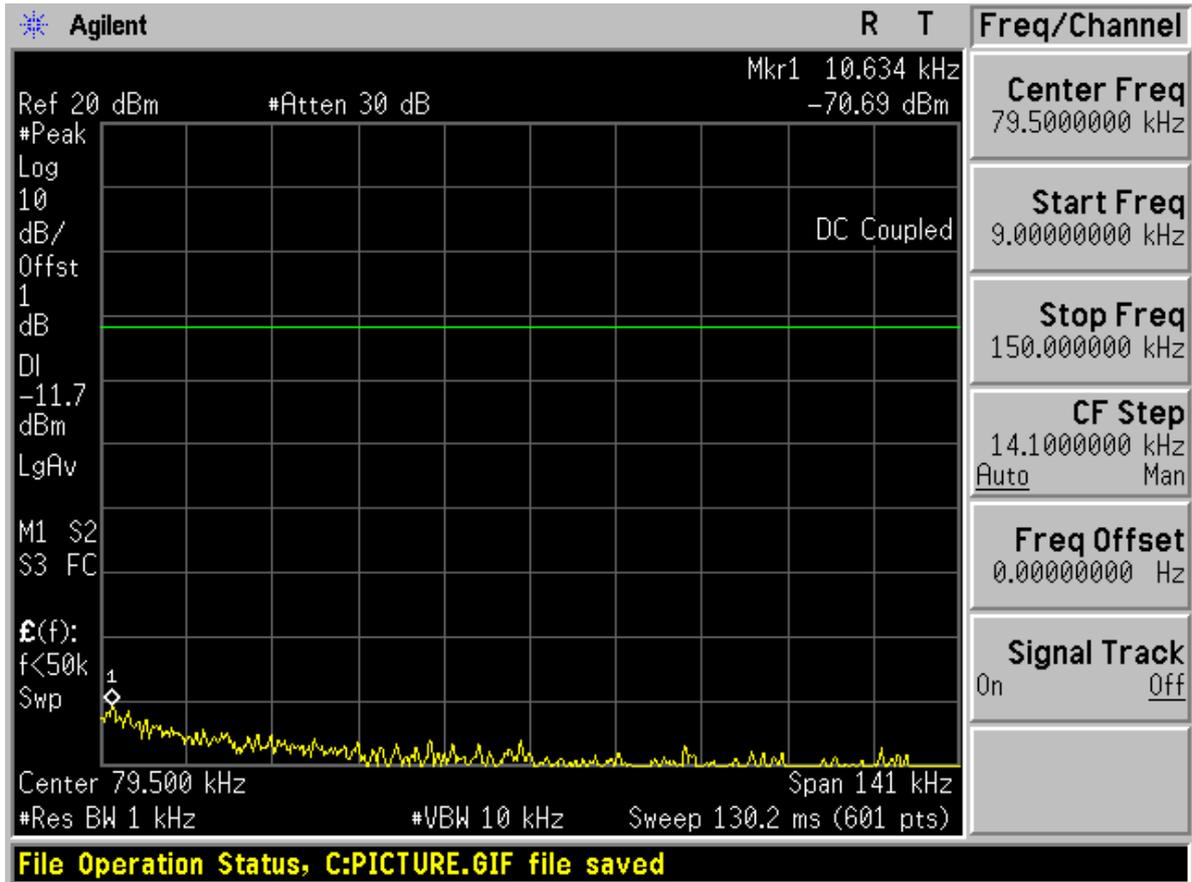
# Chain2





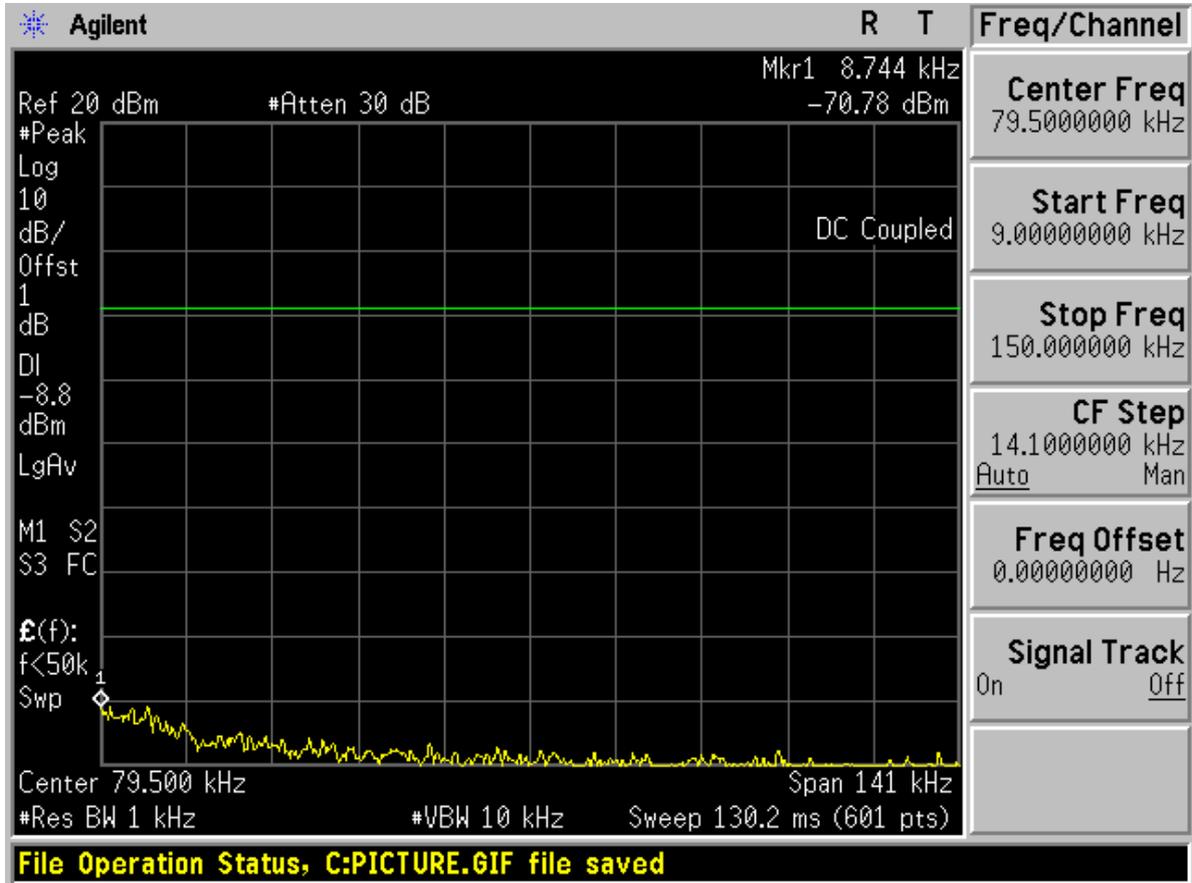
# Channel 11 9K~150K TM2\_11

## Chain 1





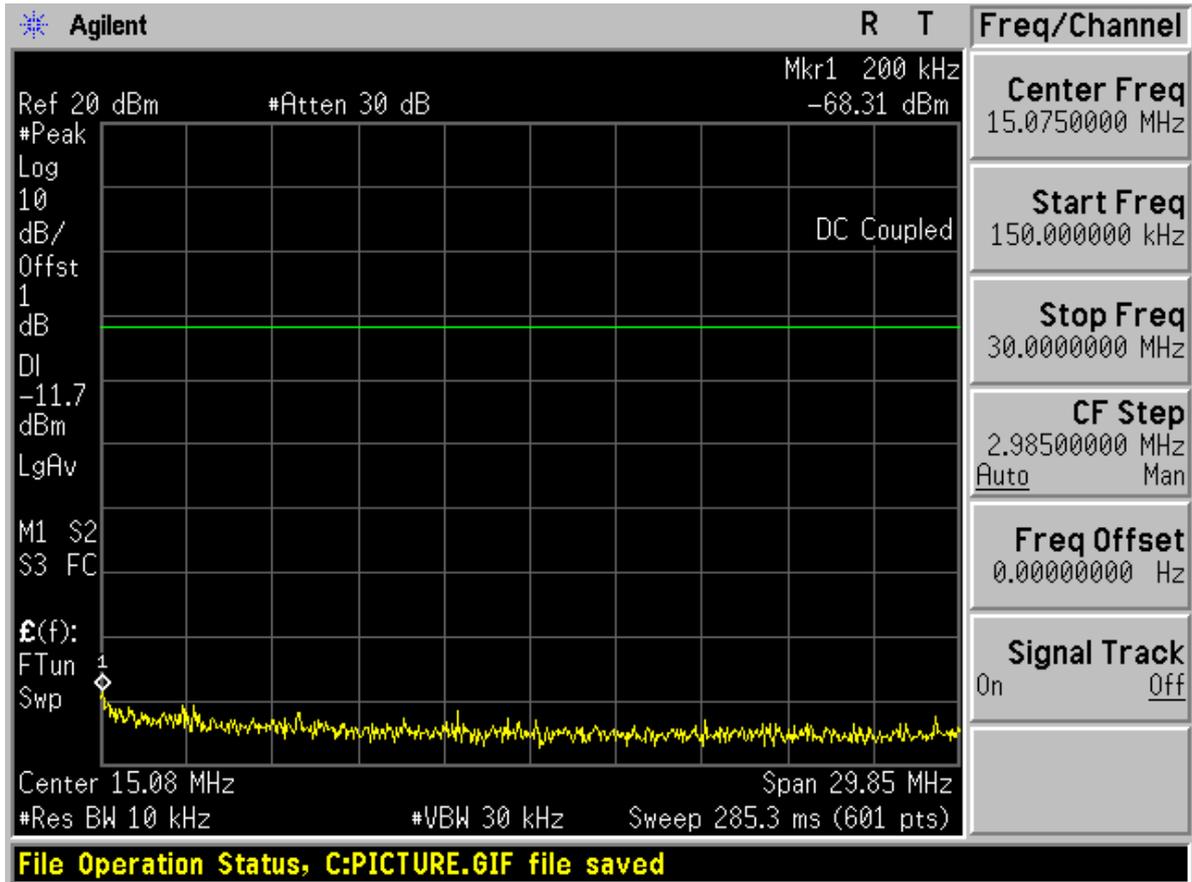
# Chain2





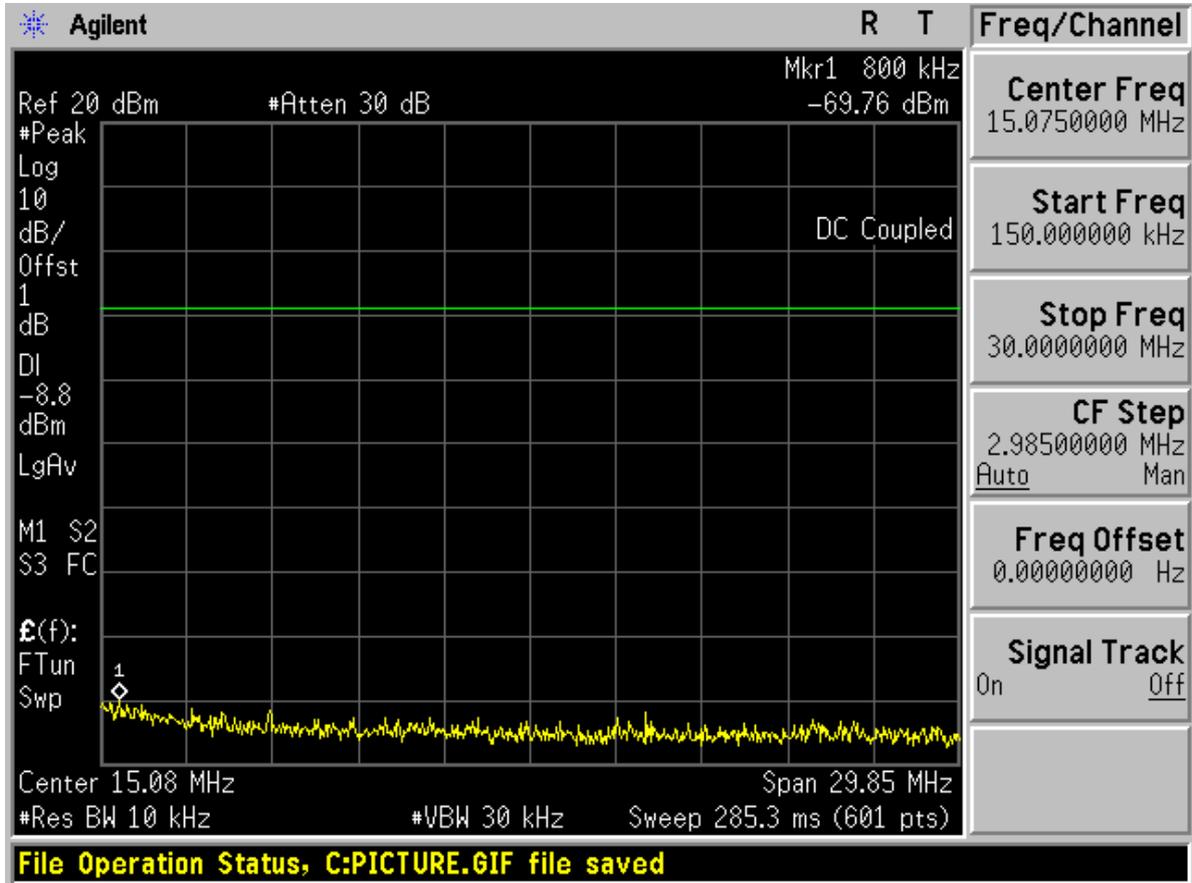
# 150K~30M TM2\_11

## Chain 1





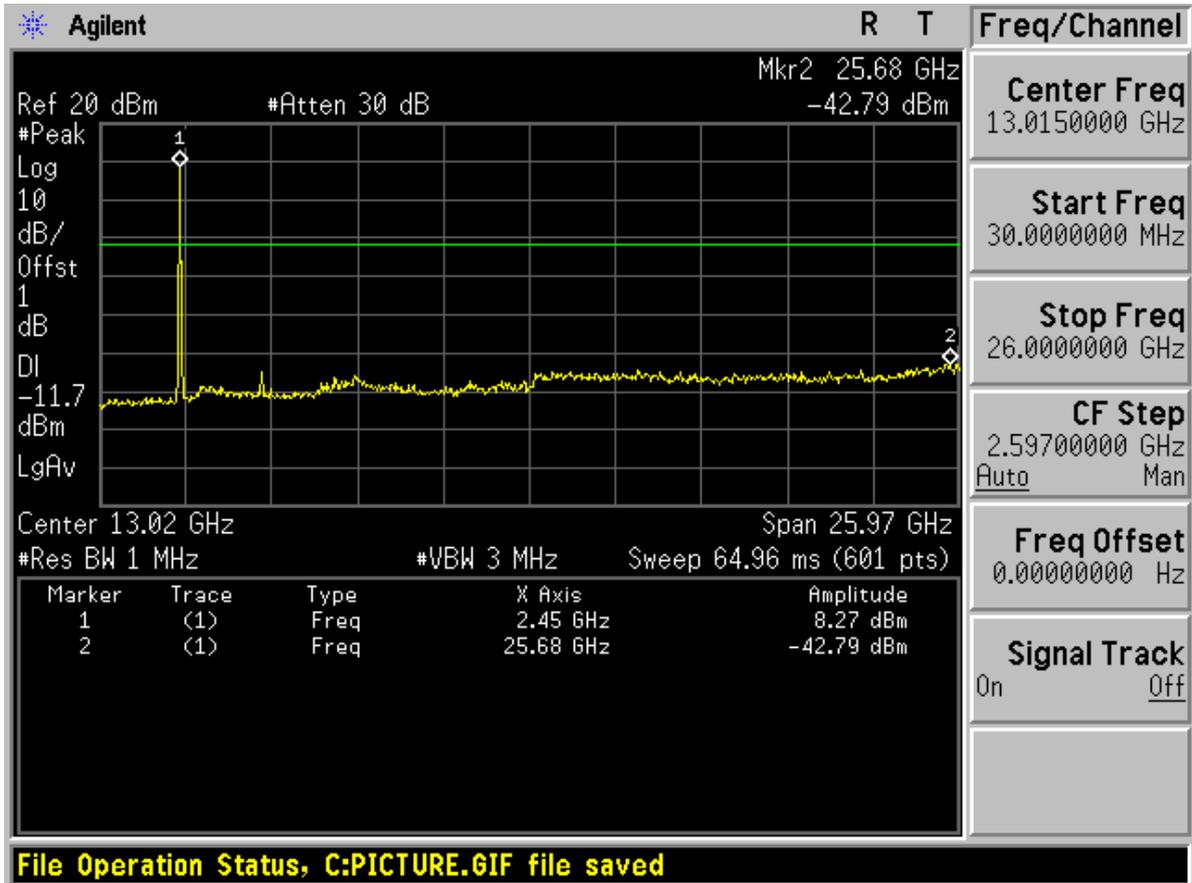
# Chain2





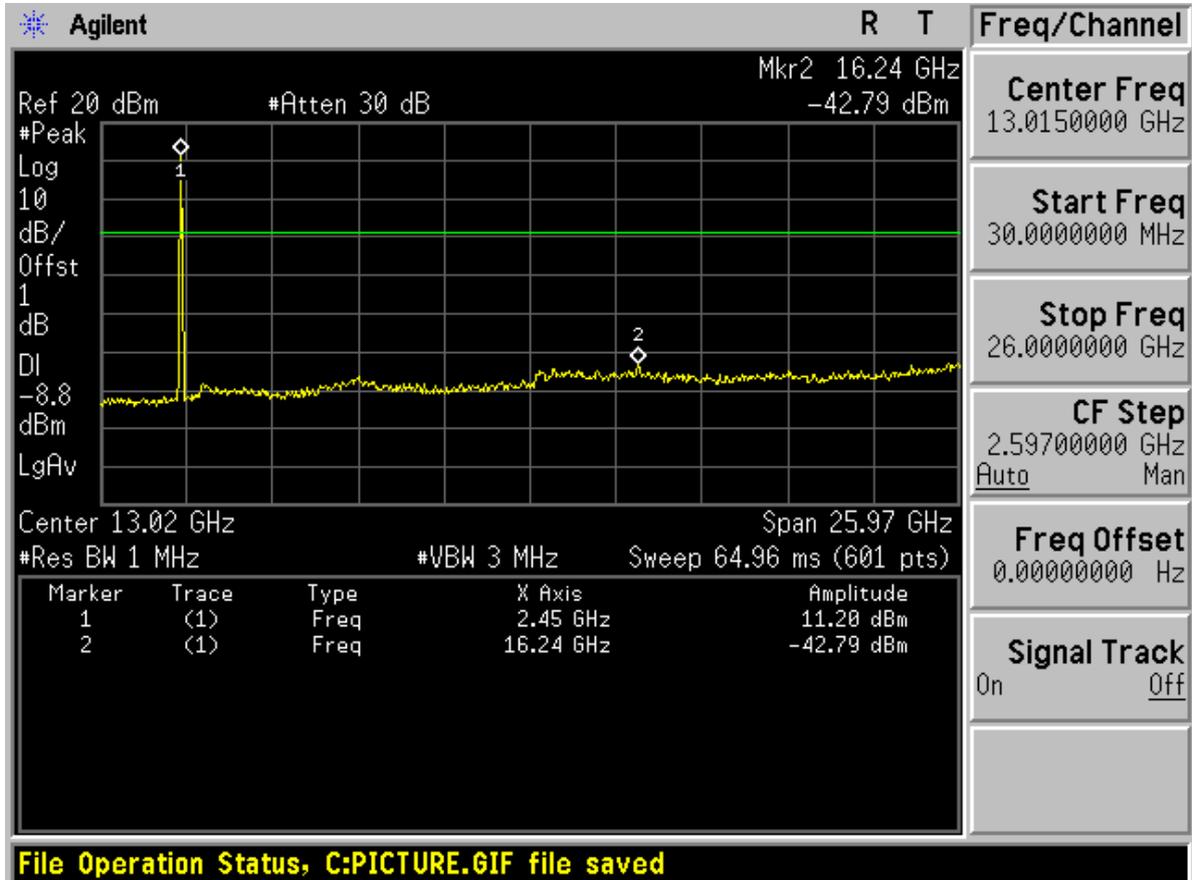
# 30M~26G TM2\_11

## Chain 1





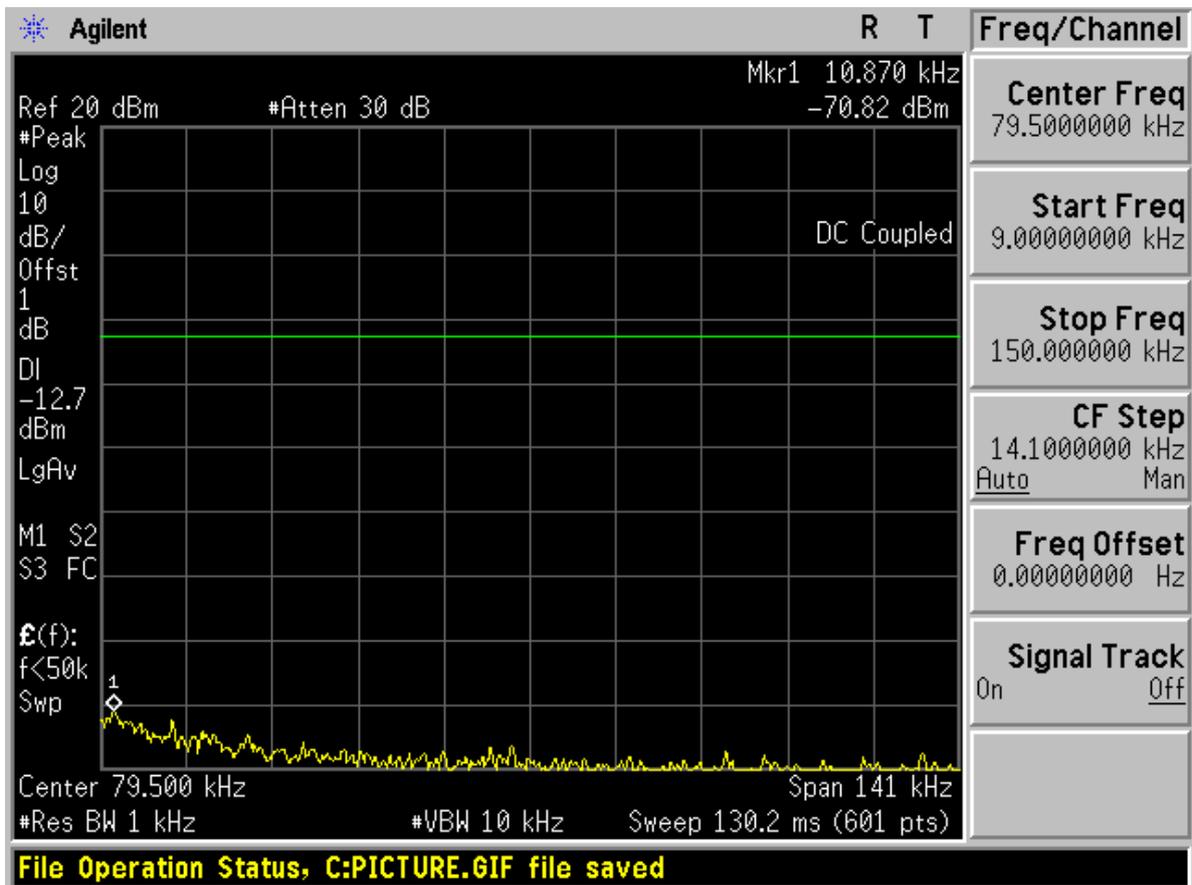
# Chain2





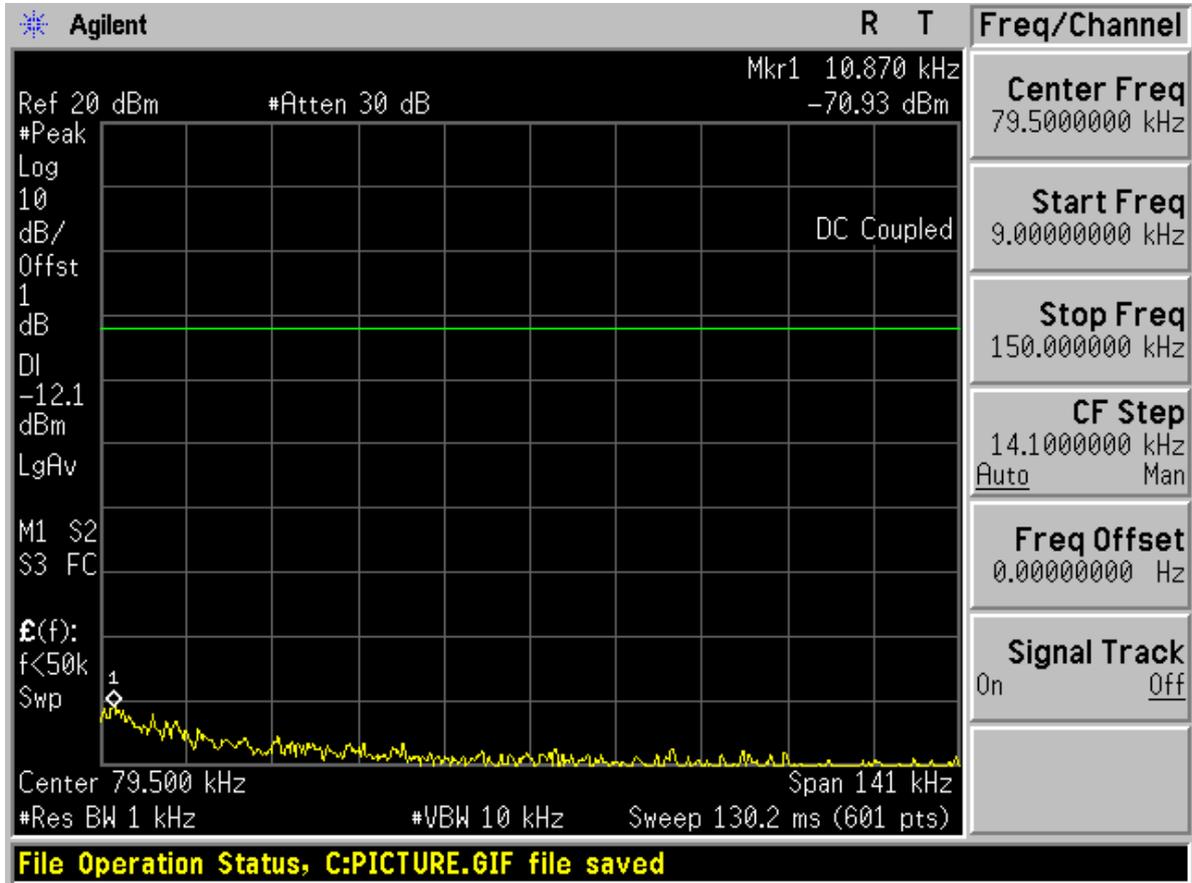
# TM3 Chain 1&2 Channel 1

## 9K~150K TM3\_01 Chain 1





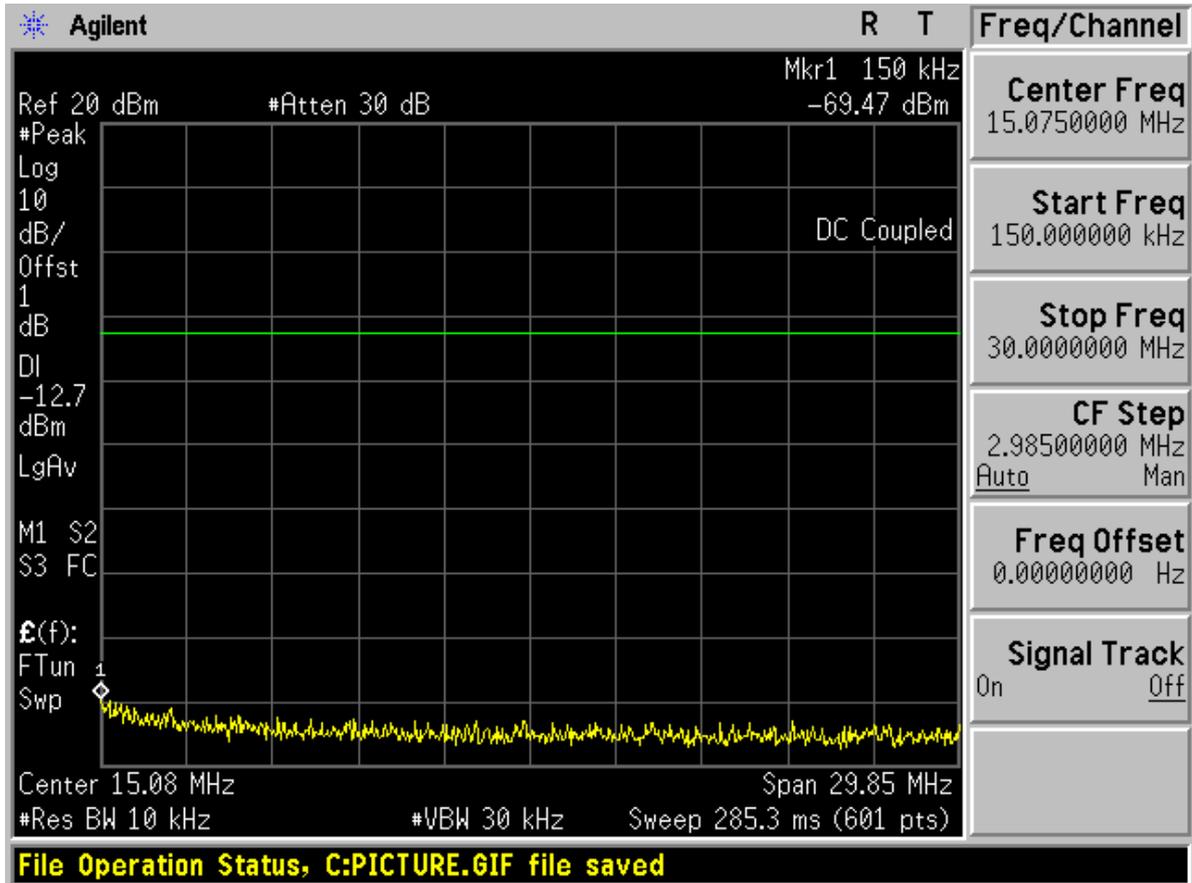
# Chain2





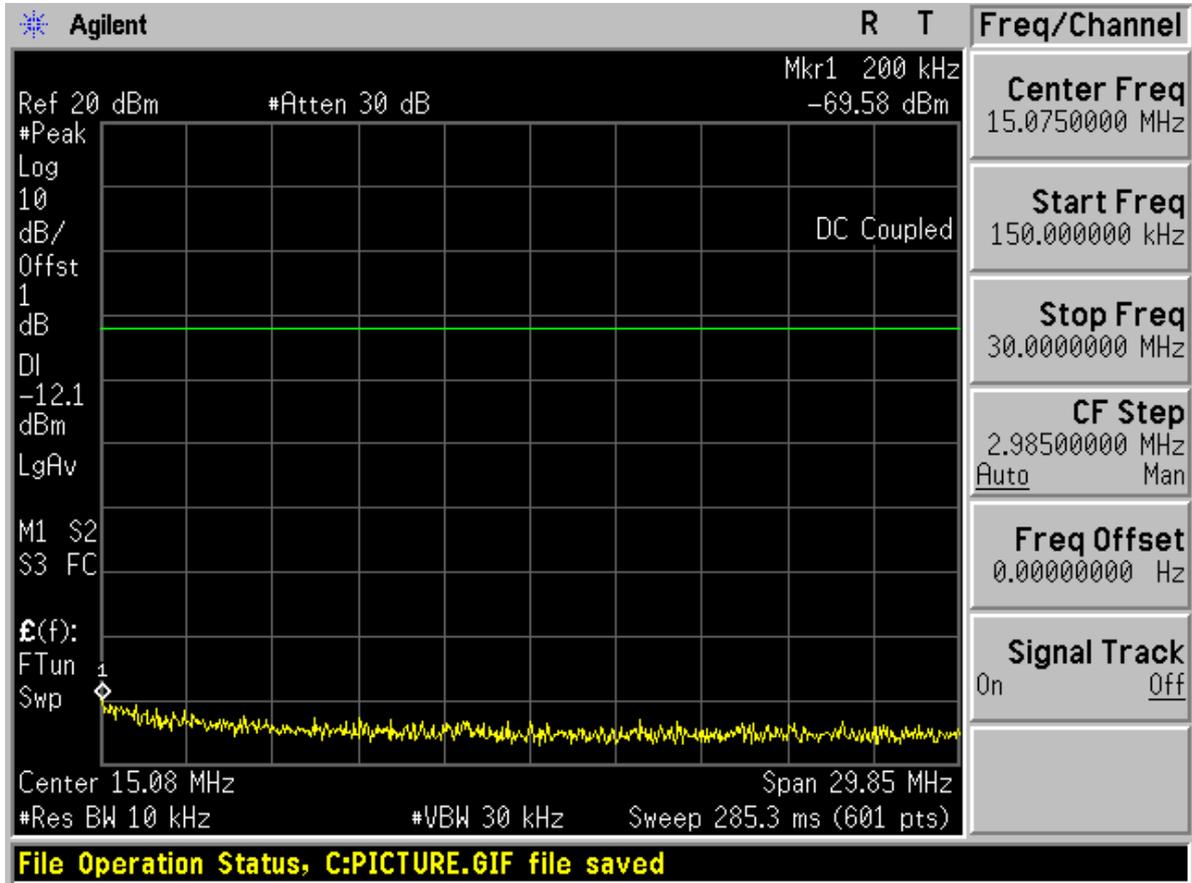
# 150K~30M TM3\_01

## Chain 1





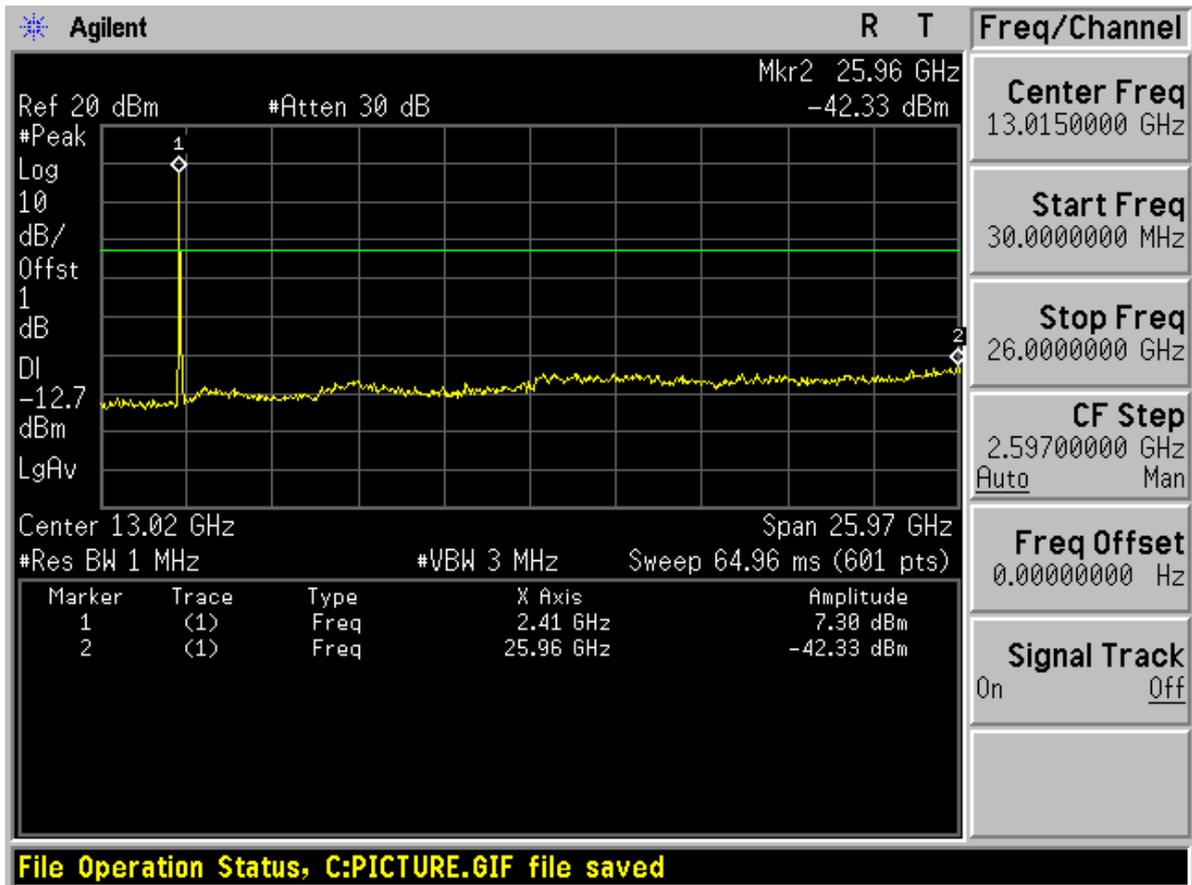
# Chain2





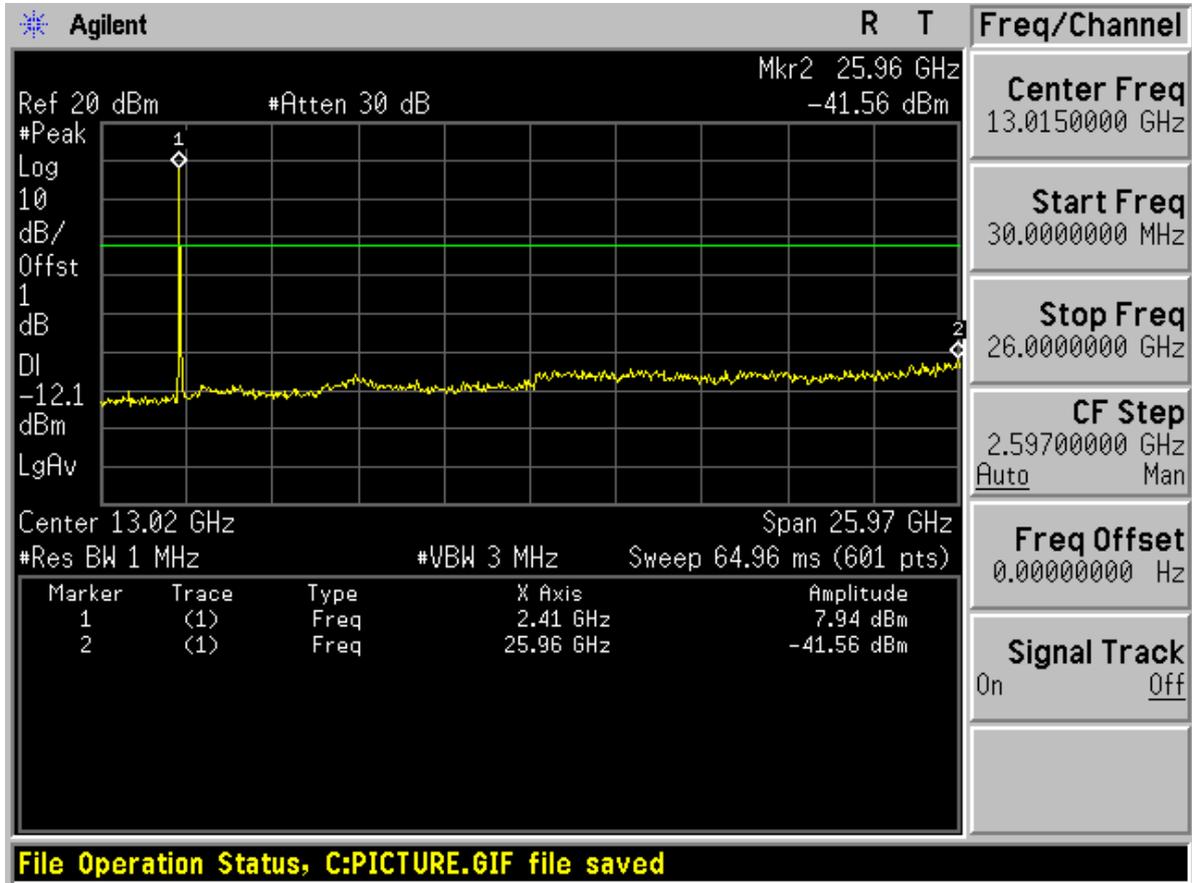
# 30M~26G TM3\_01

## Chain 1





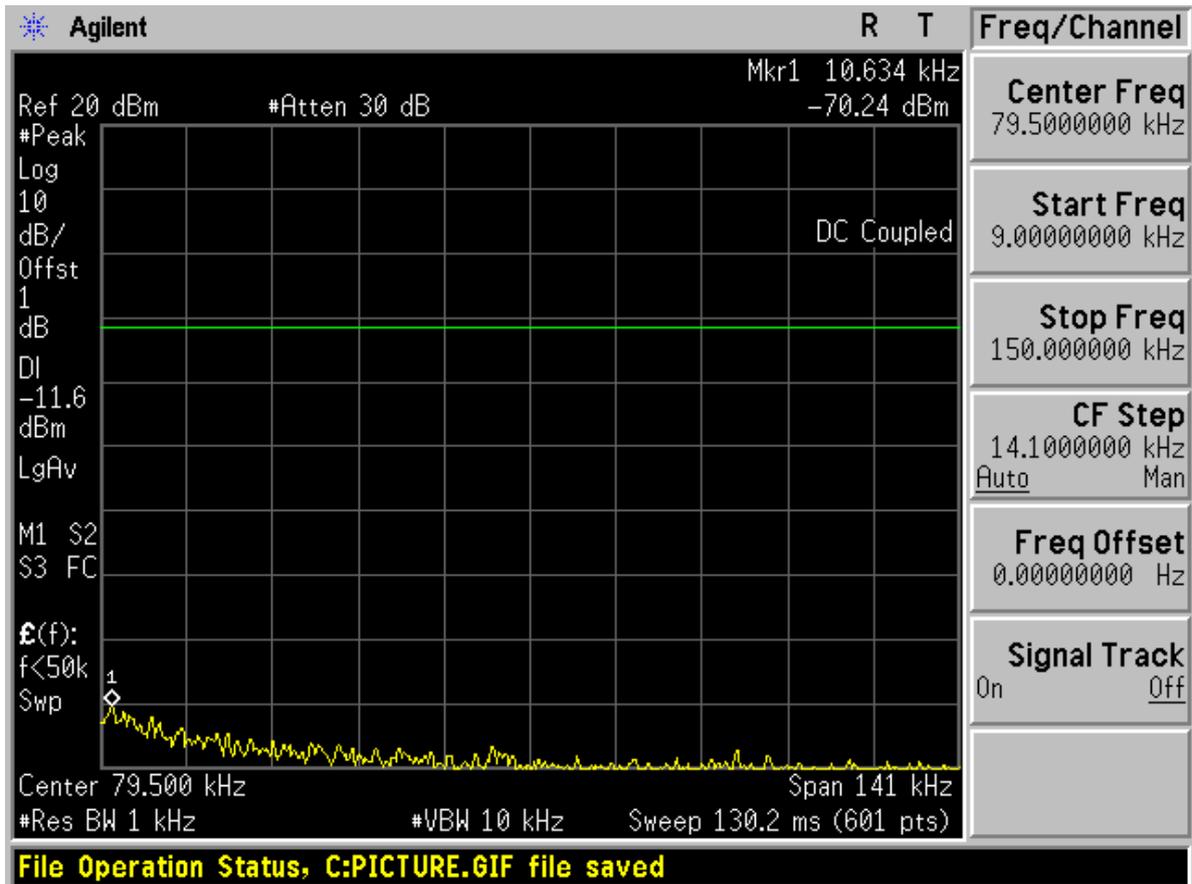
# Chain2





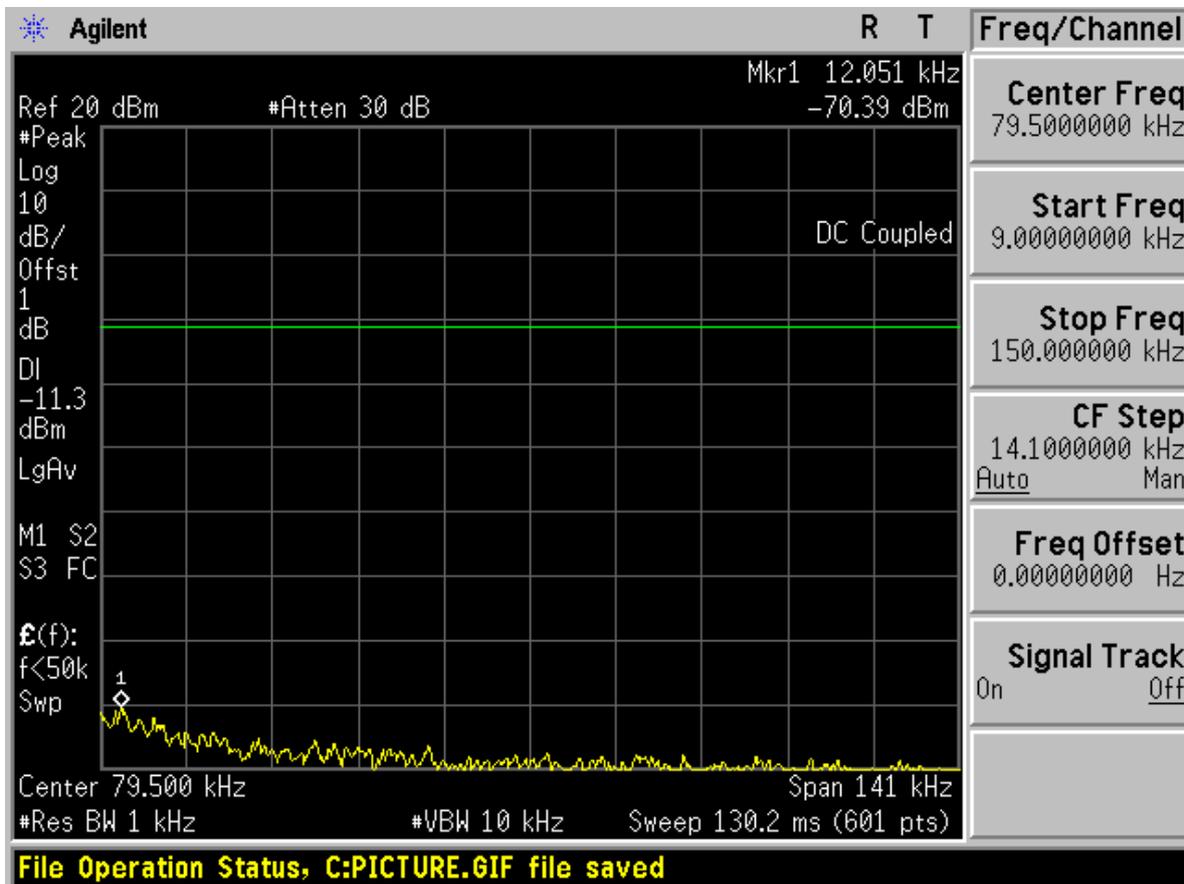
# Channel 6 9K~150K TM3\_06

## Chain 1





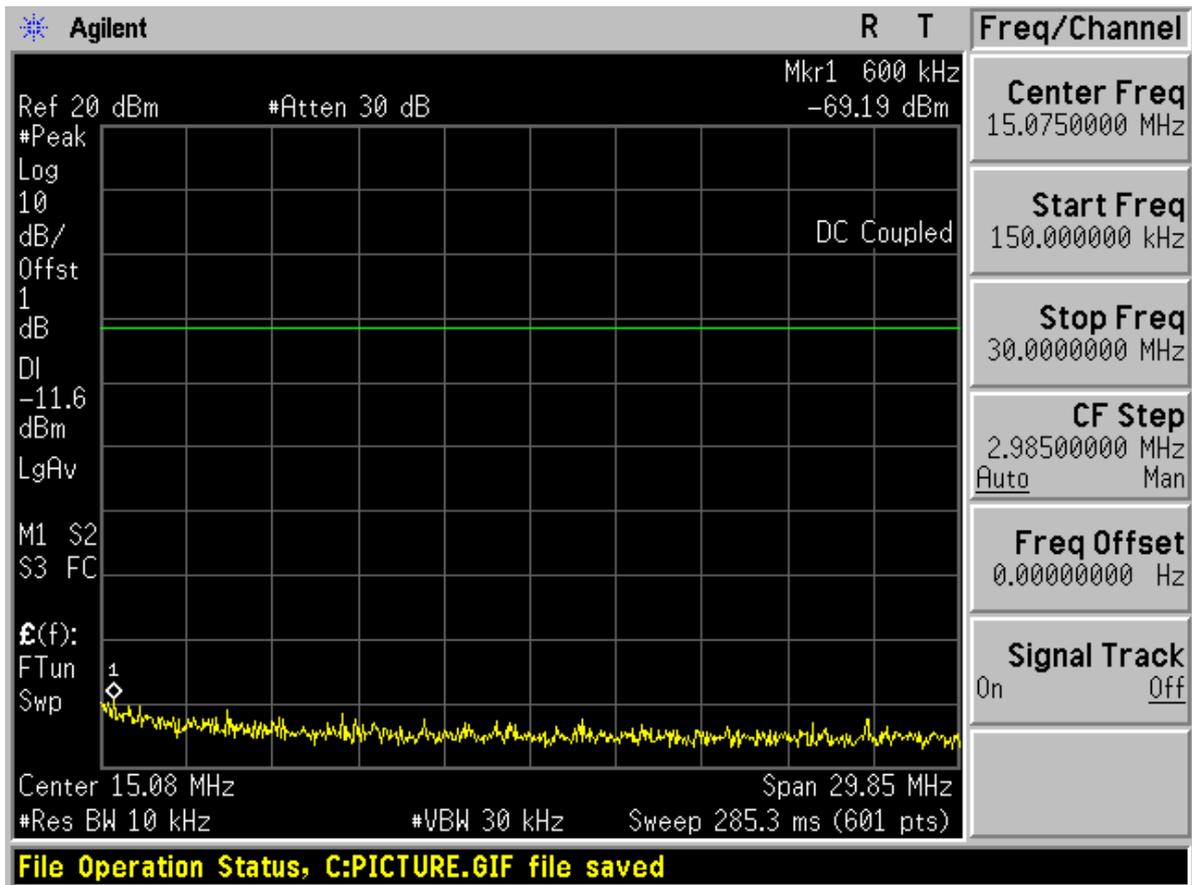
# Chain2





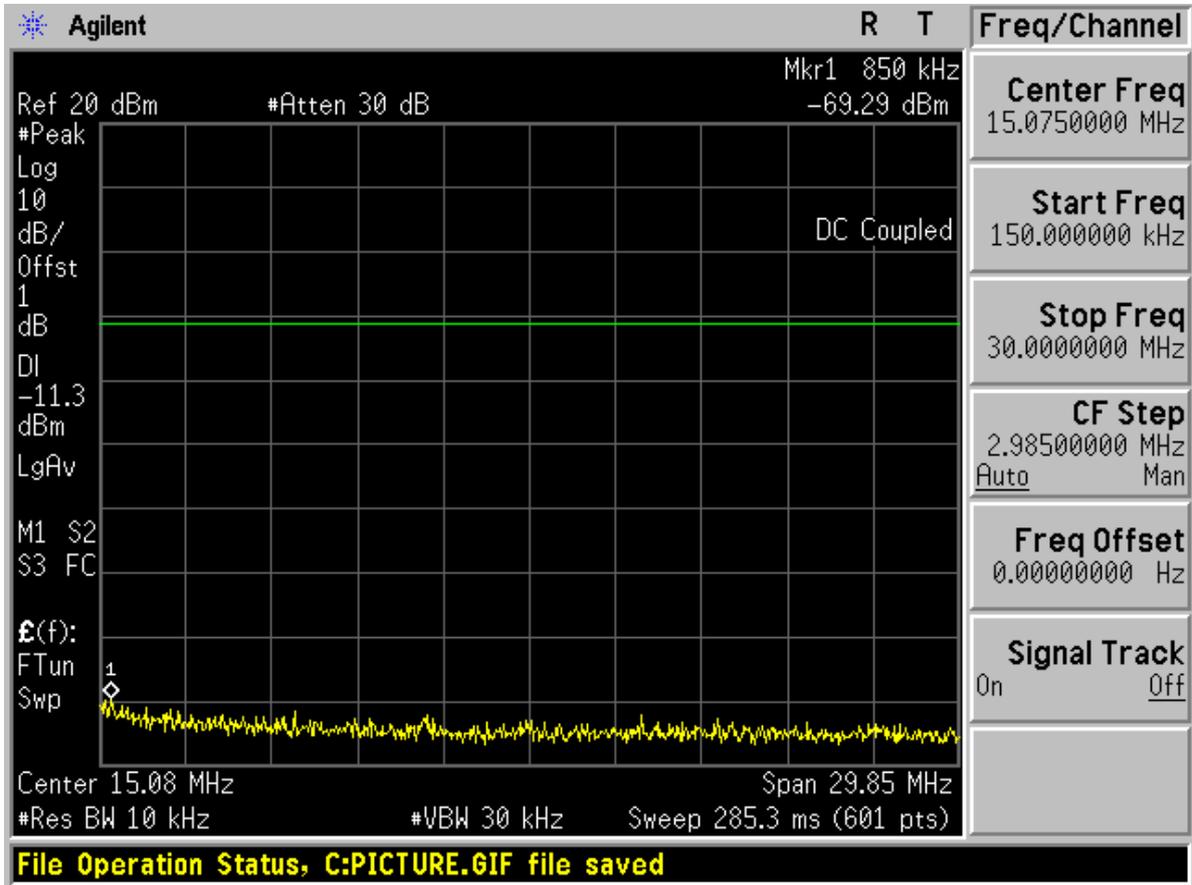
# 150K~30M TM3\_06

## Chain 1





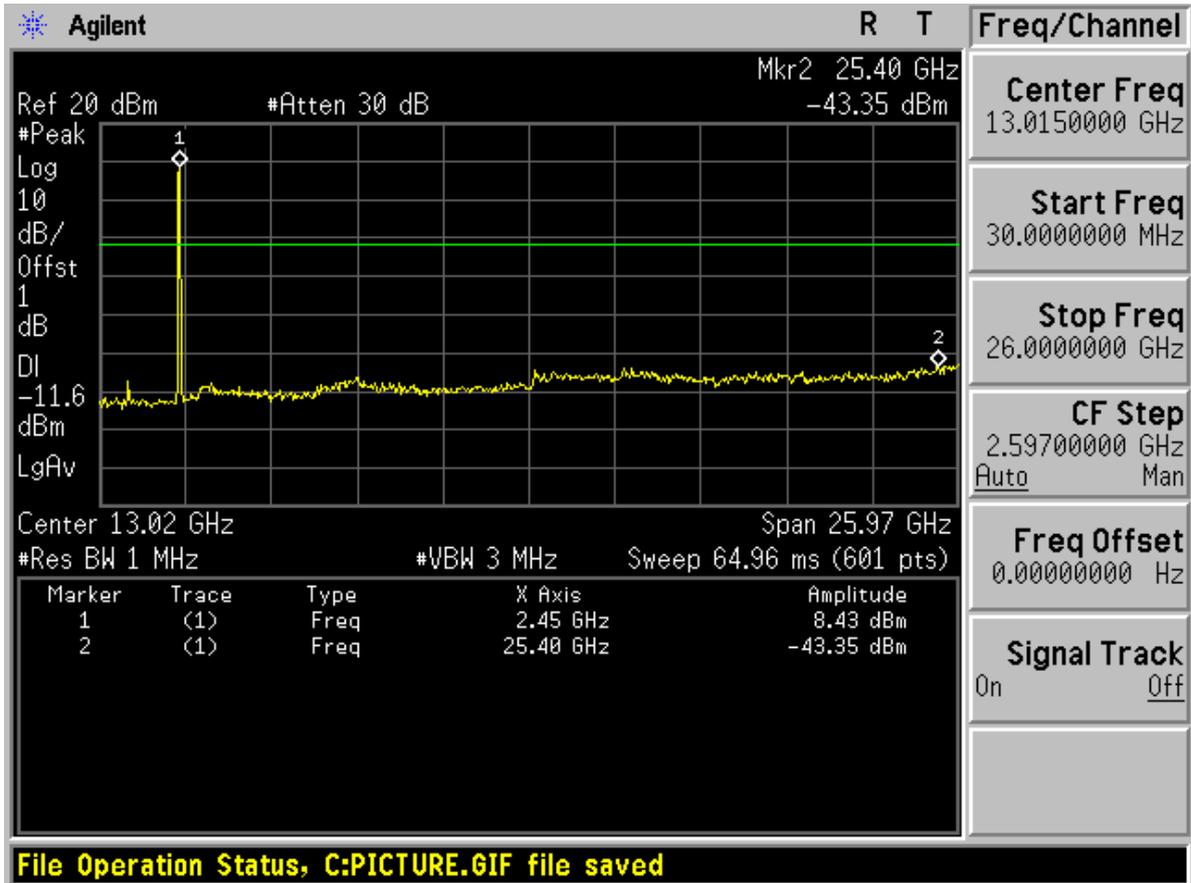
# Chain2





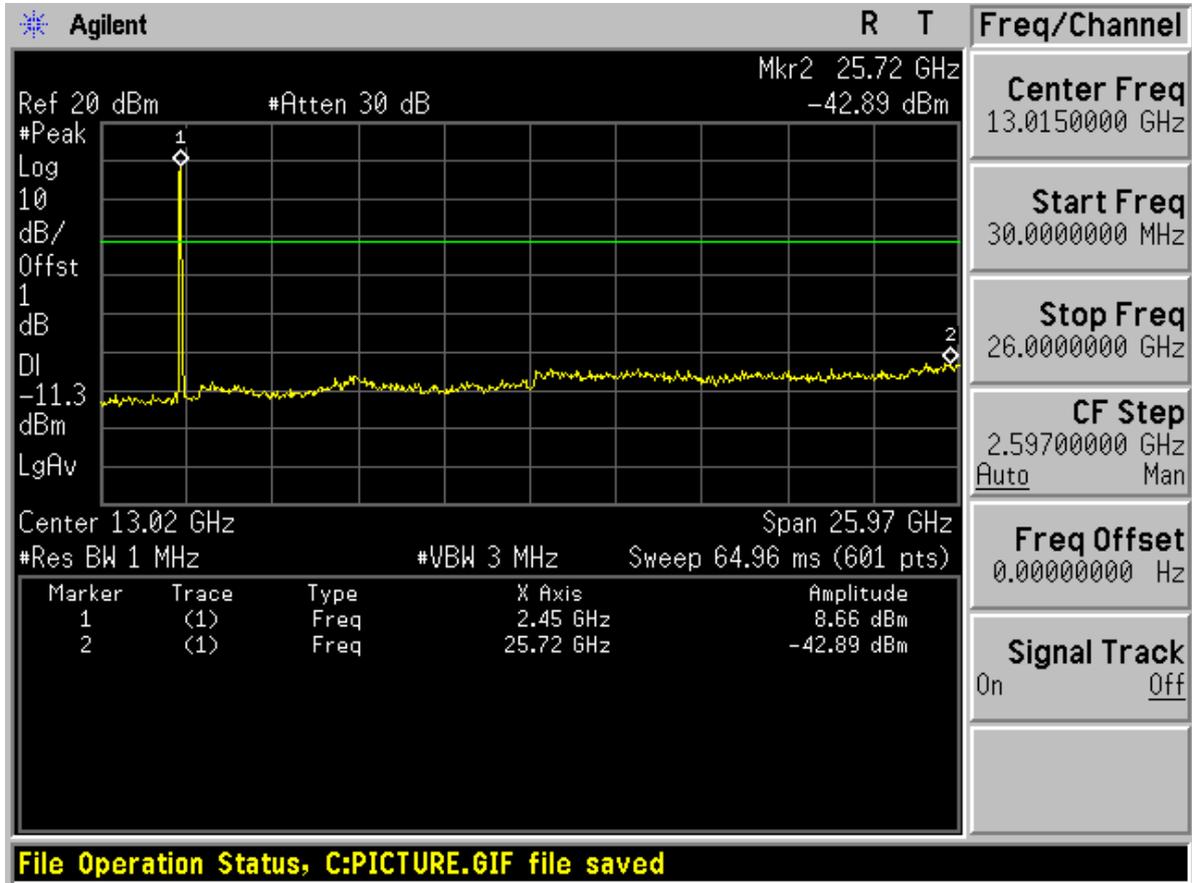
# 30M~26G TM3\_06

## Chain 1





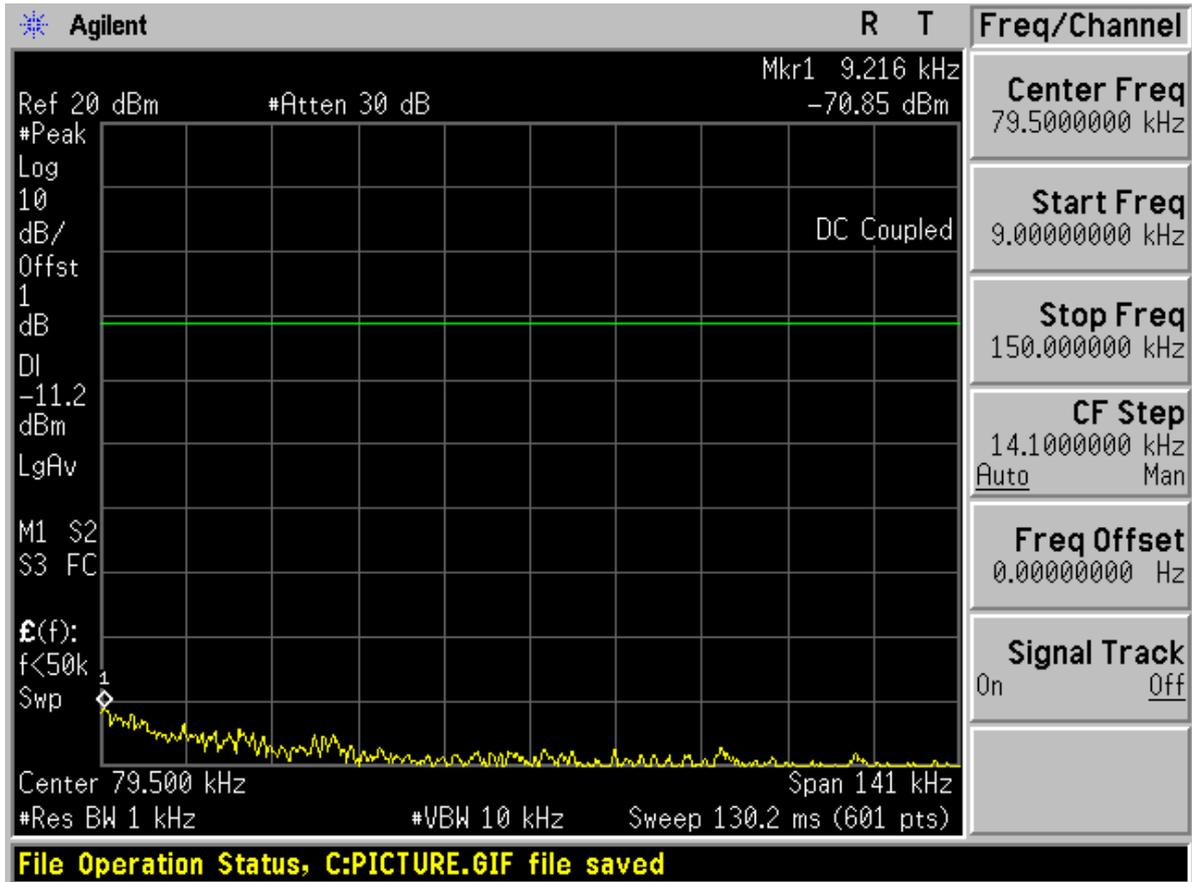
# Chain2





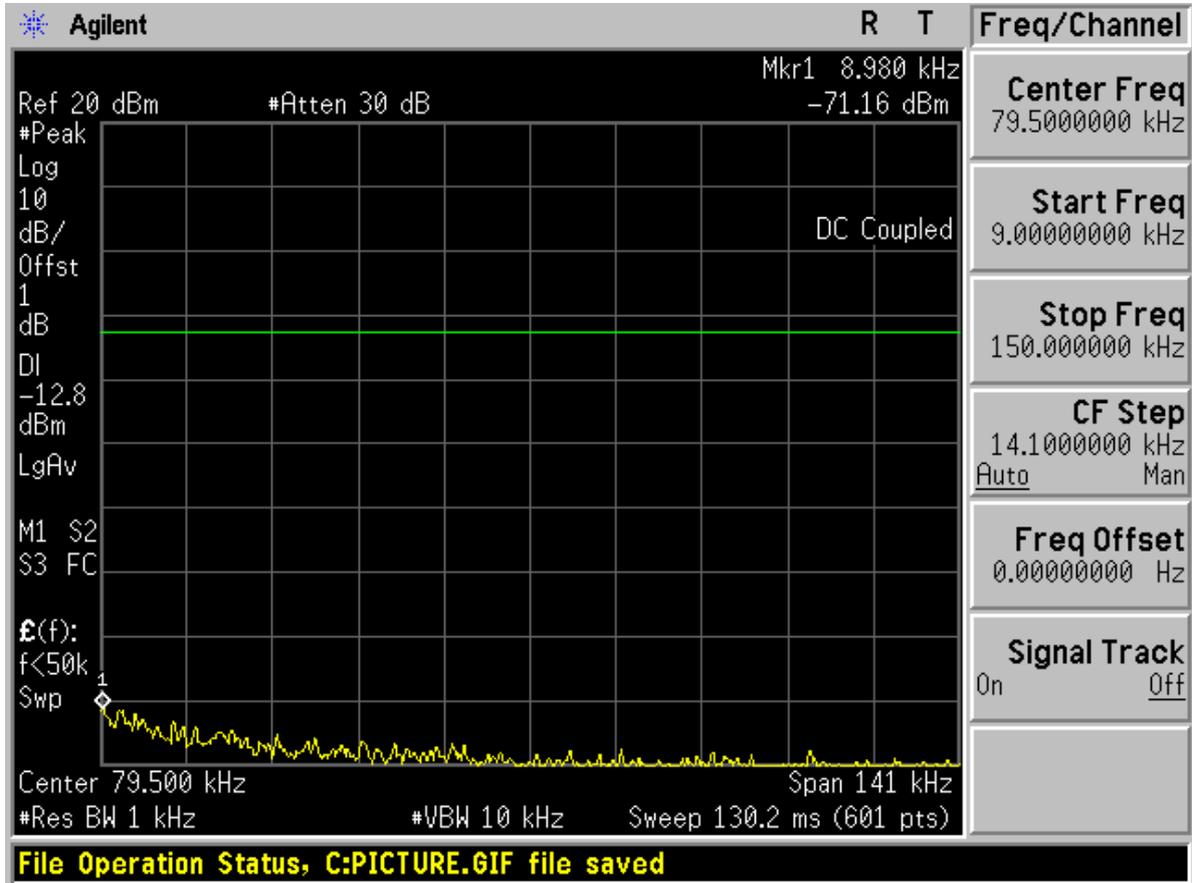
# Channel 11

## 9K~150K TM3\_11 Chain 1





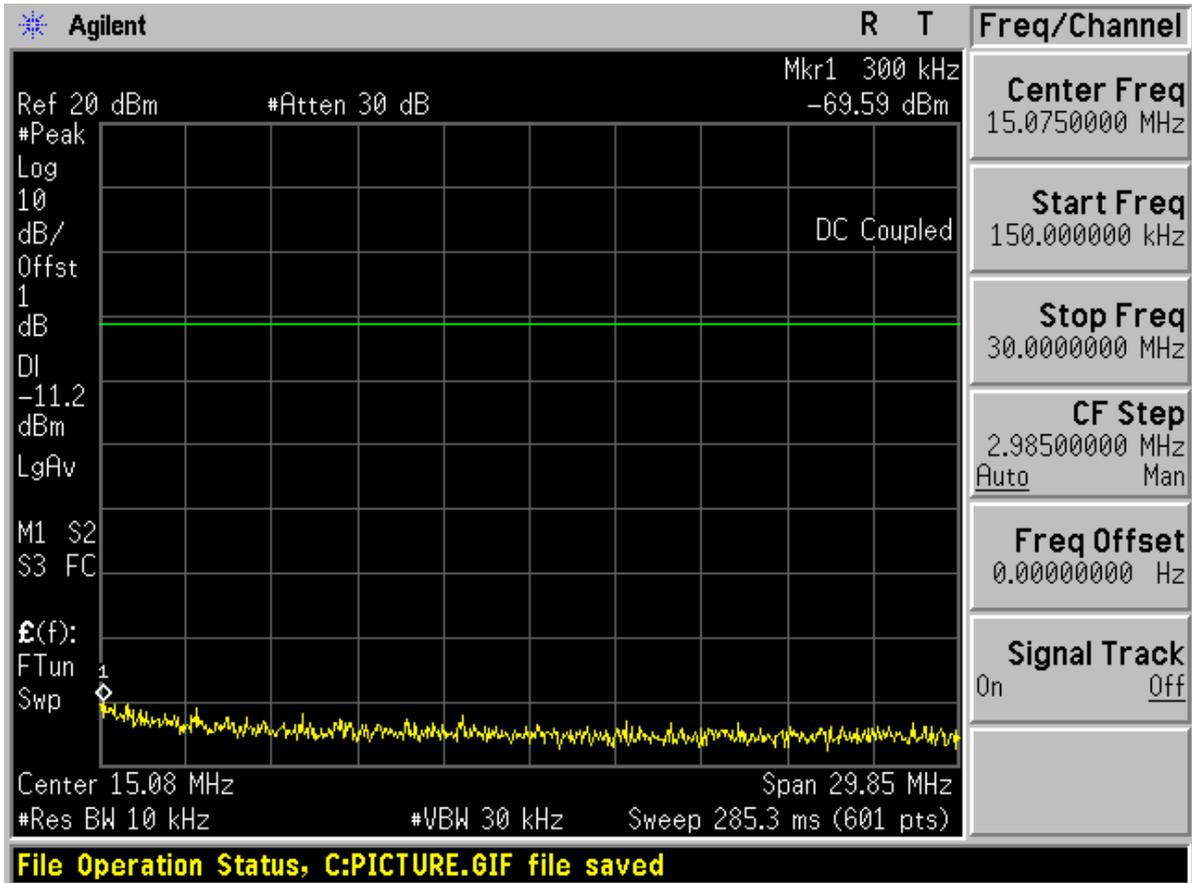
# Chain2





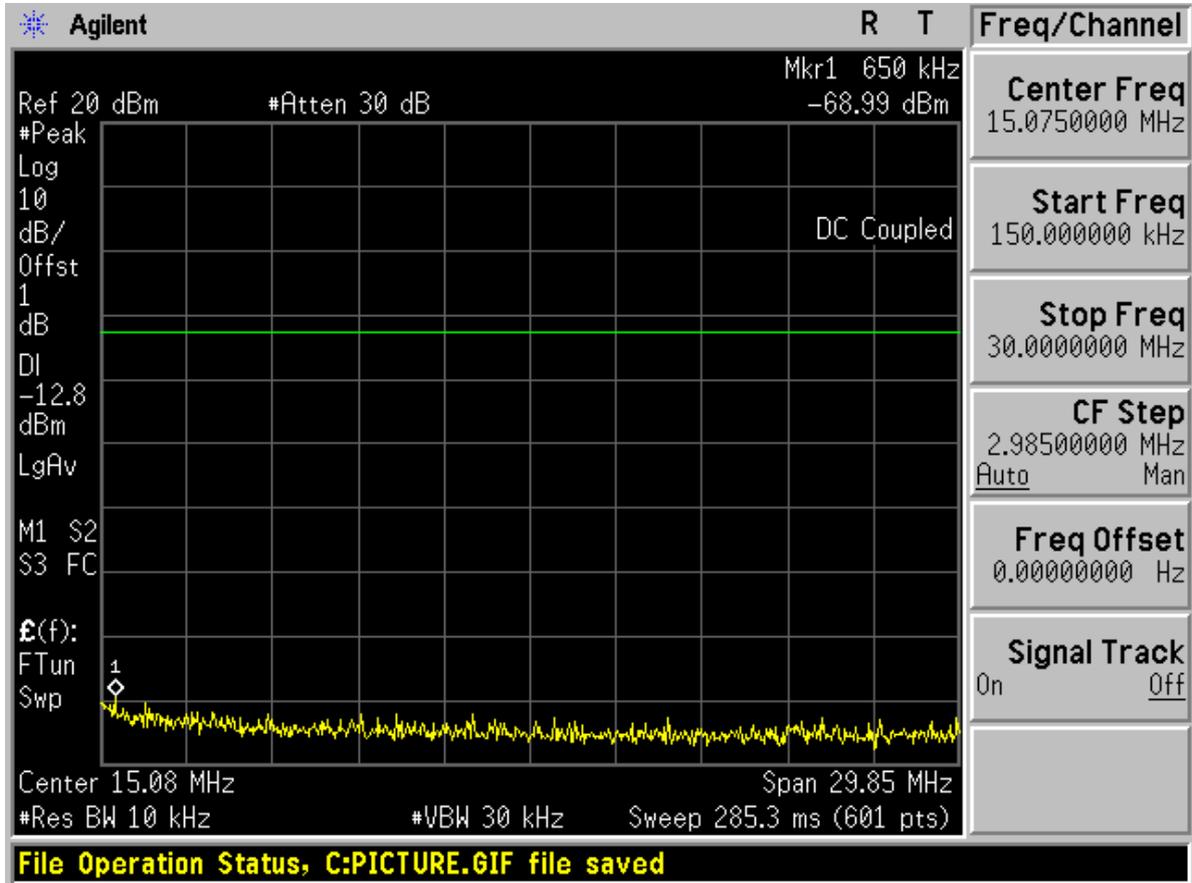
# 150K~30M TM3\_11

## Chain 1





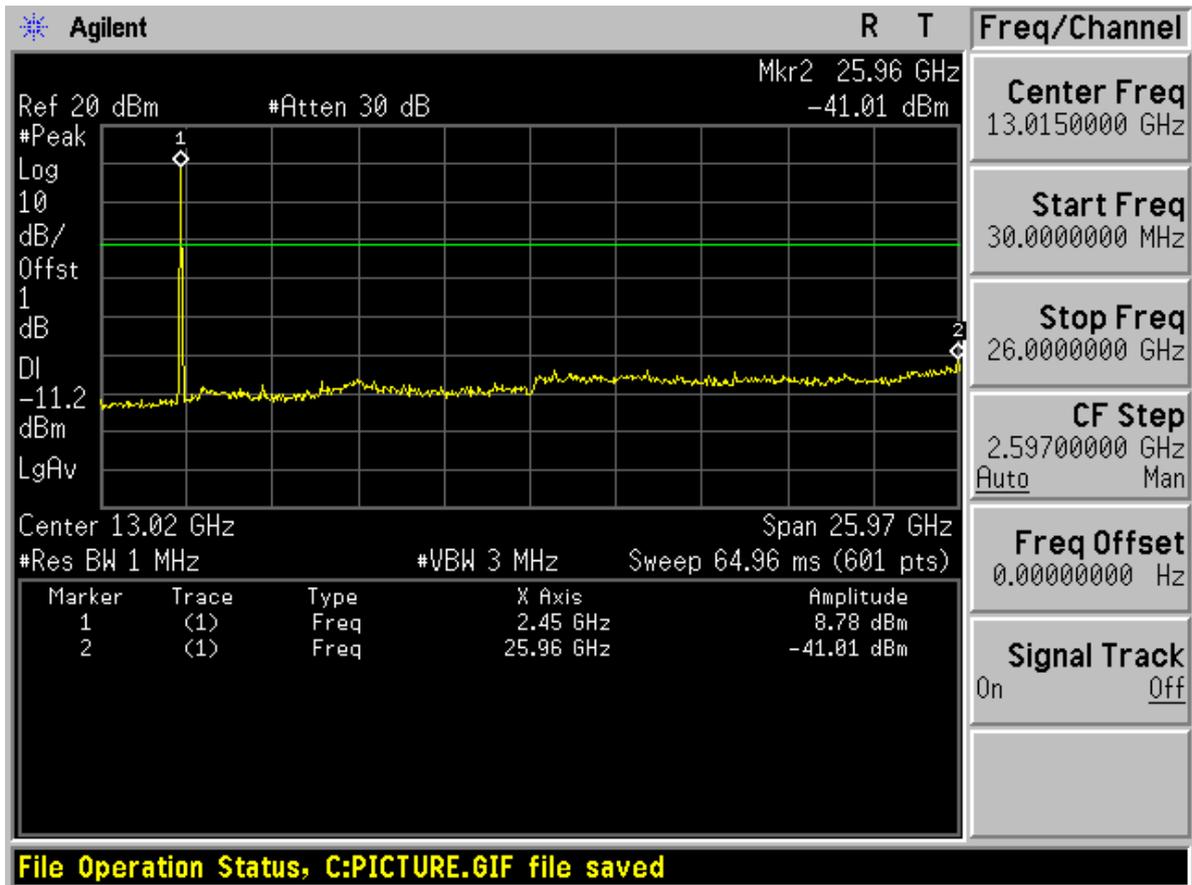
# Chain2





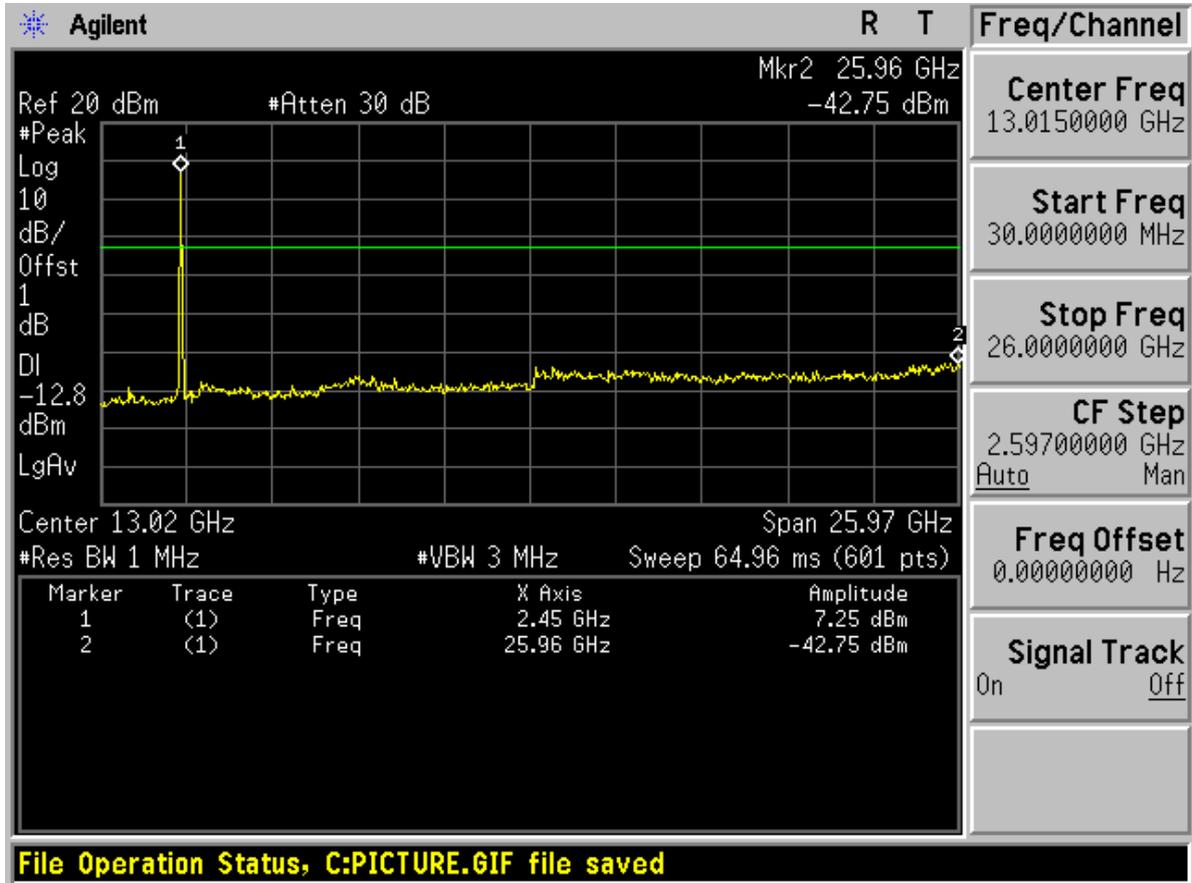
# 30M~26G TM3\_11

## Chain 1



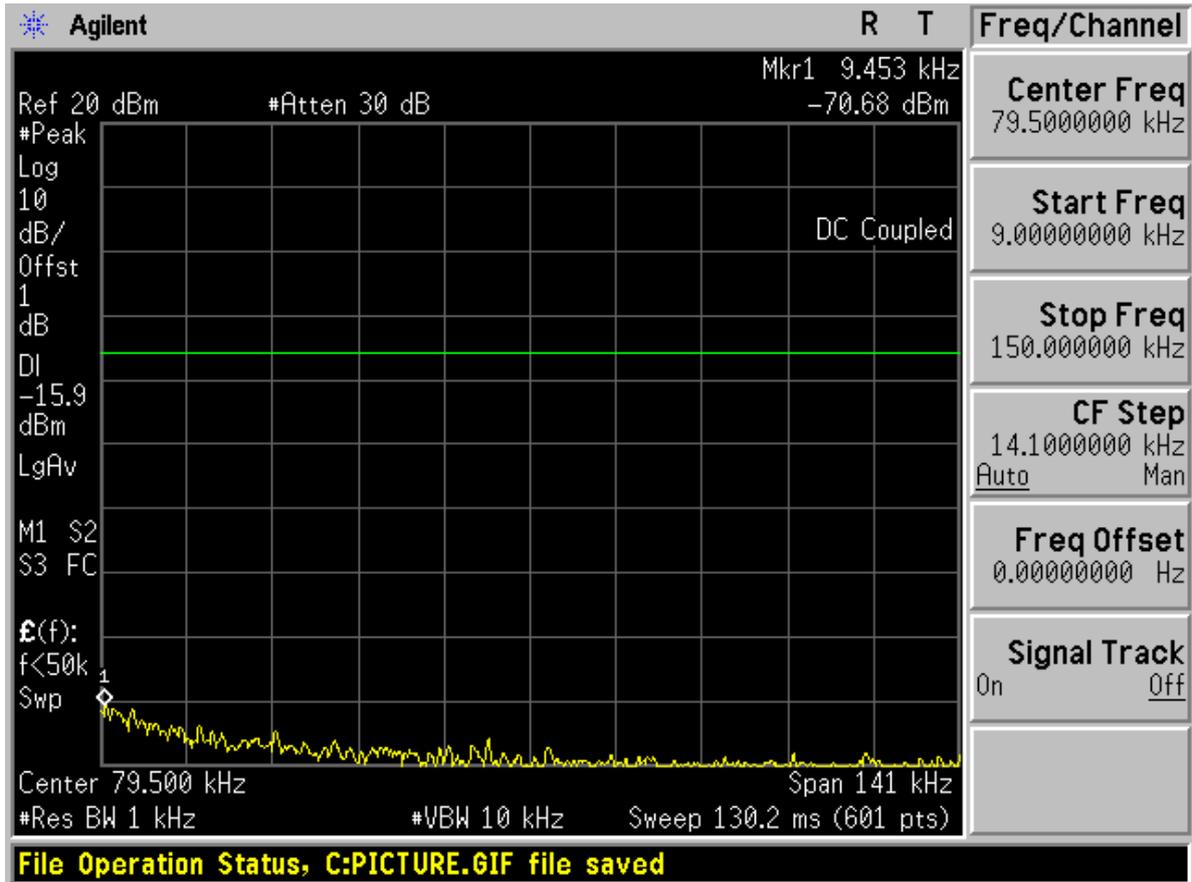


# Chain2



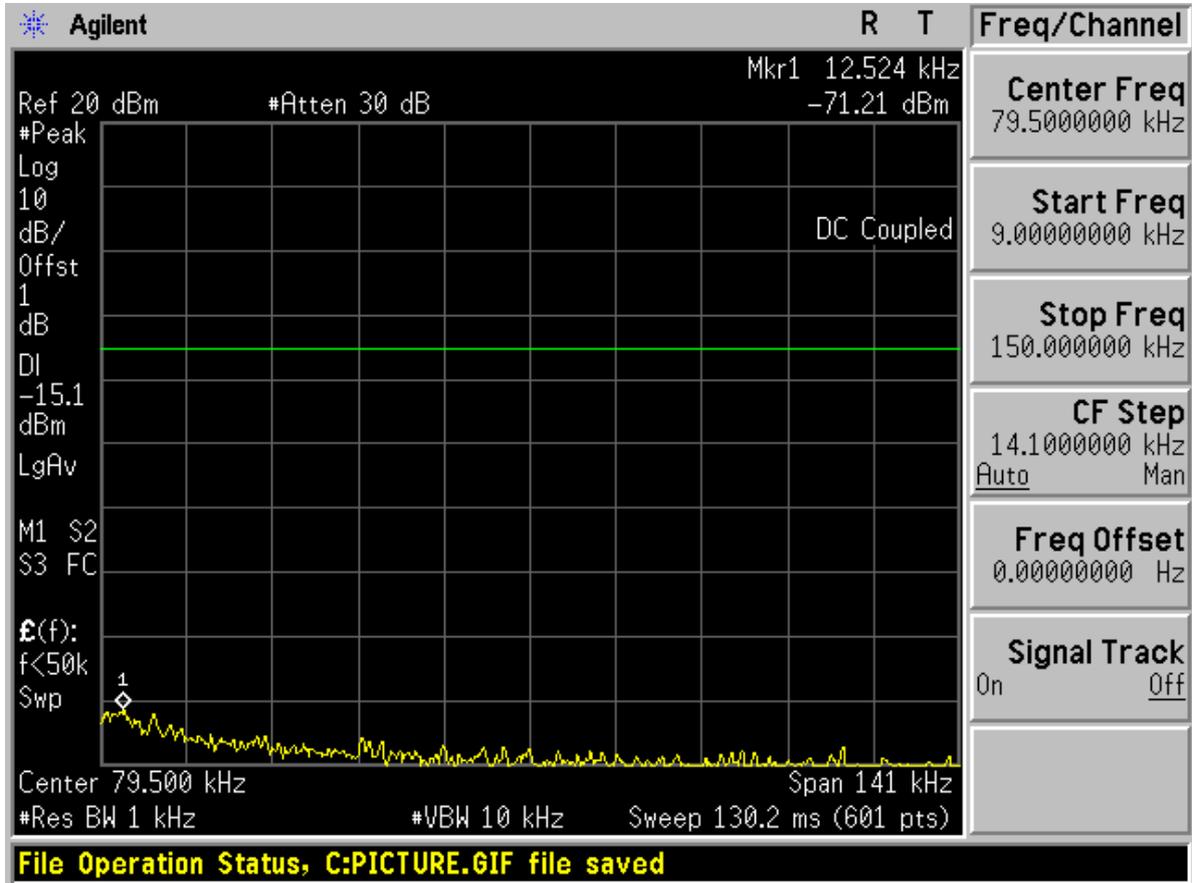


# TM4 Chain 1&2 Channel 03 9K~150K TM4\_03 Chain 1



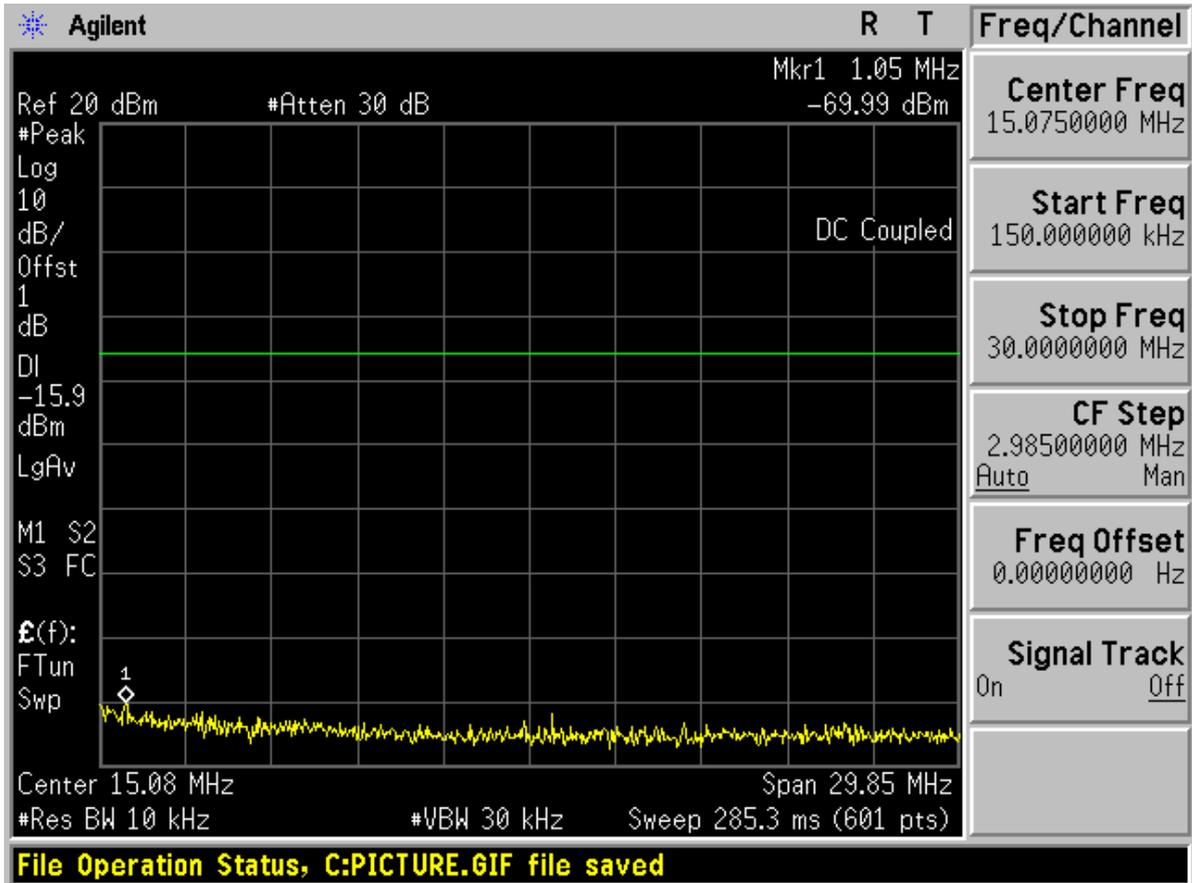


## Chain 2



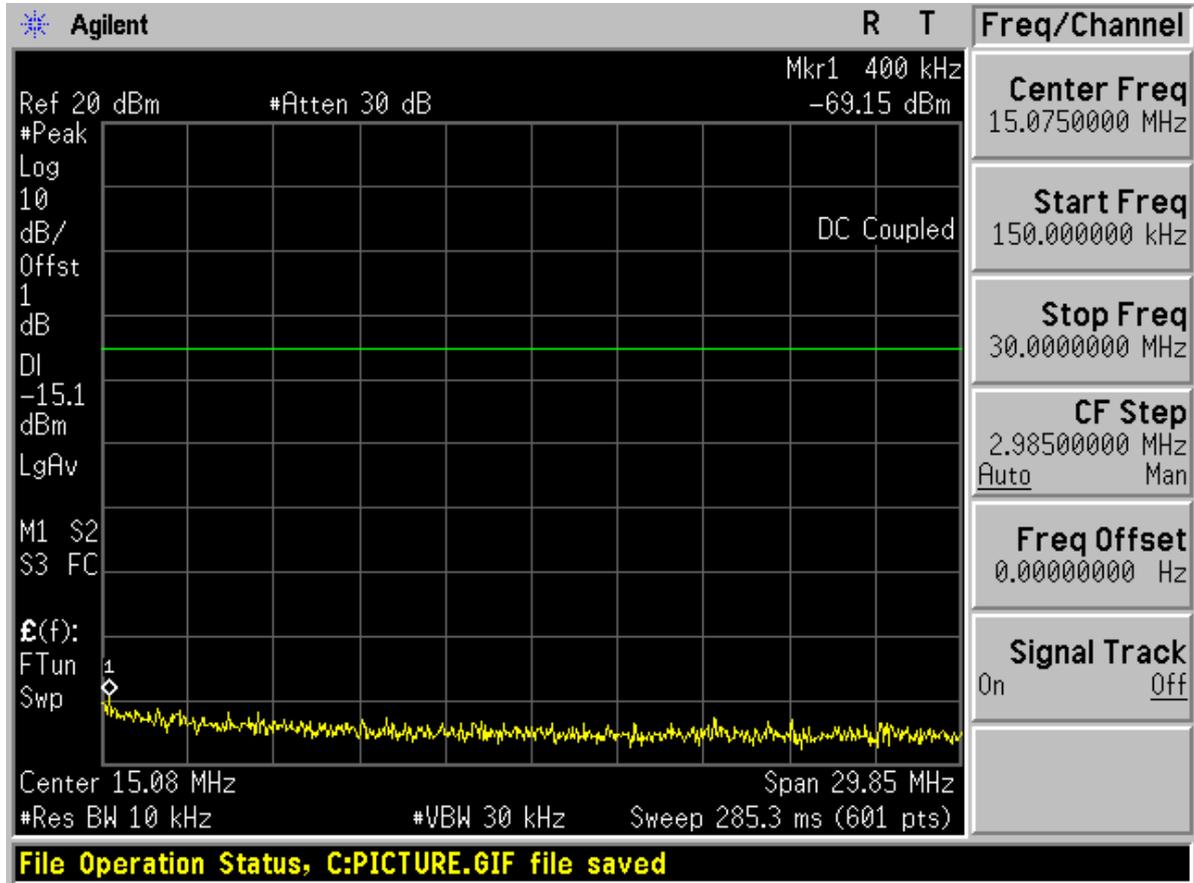


# 150K~30M TM4\_03 Chain 1



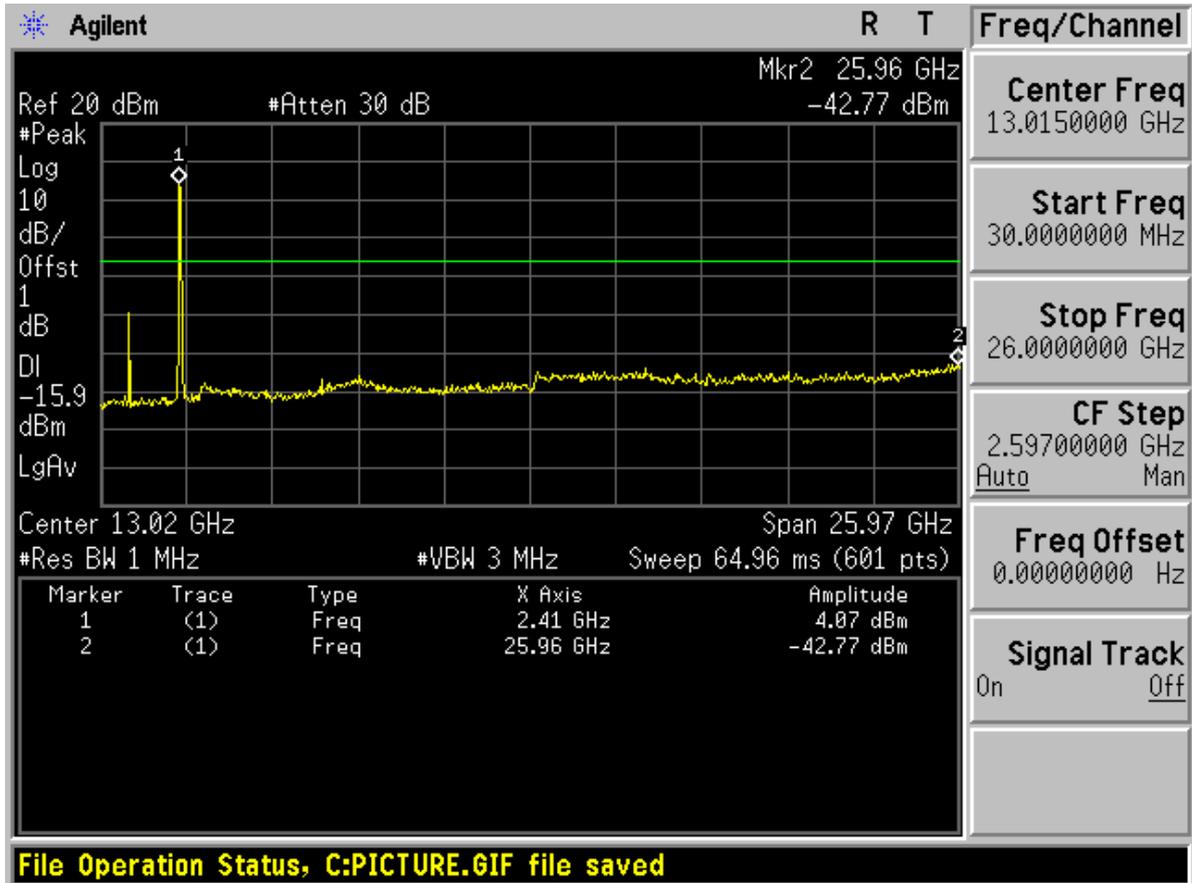


## Chain 2



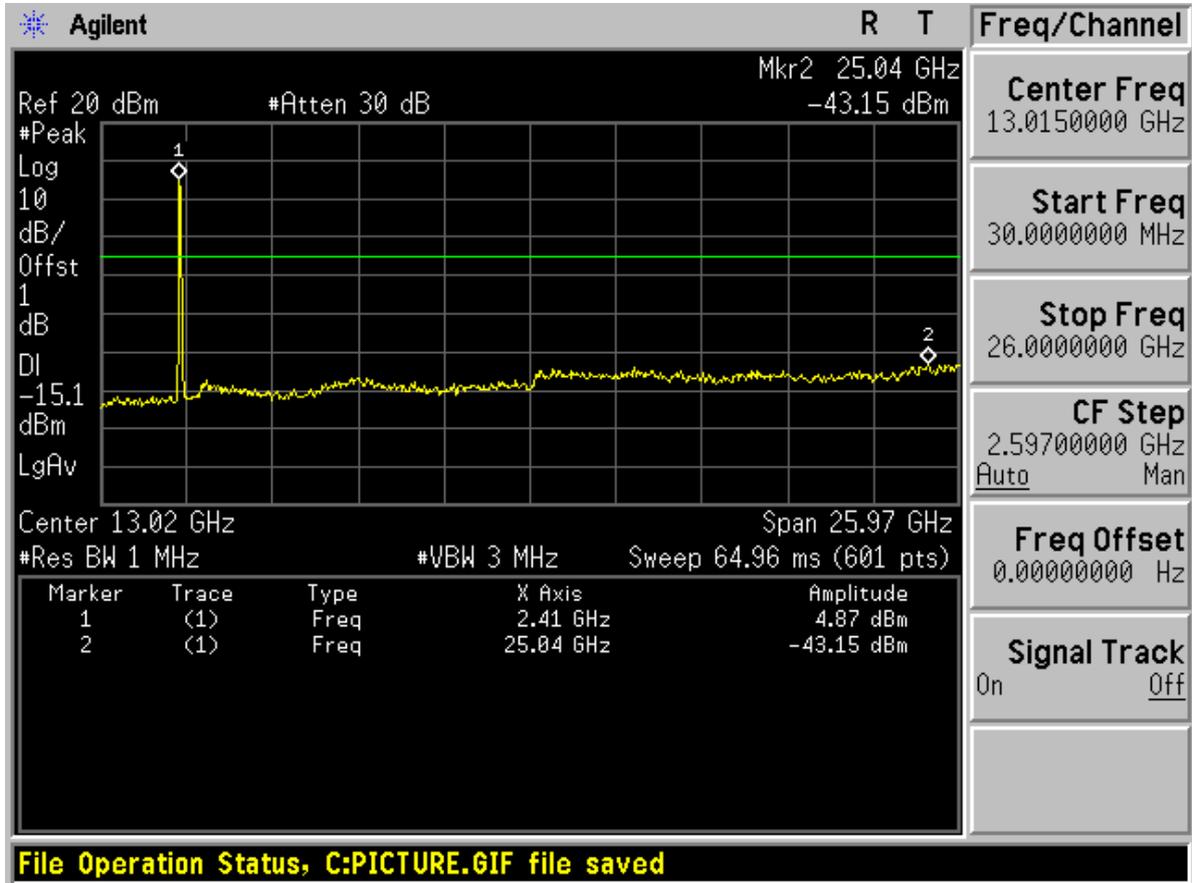


# 30M~26G TM4\_03 Chain 1



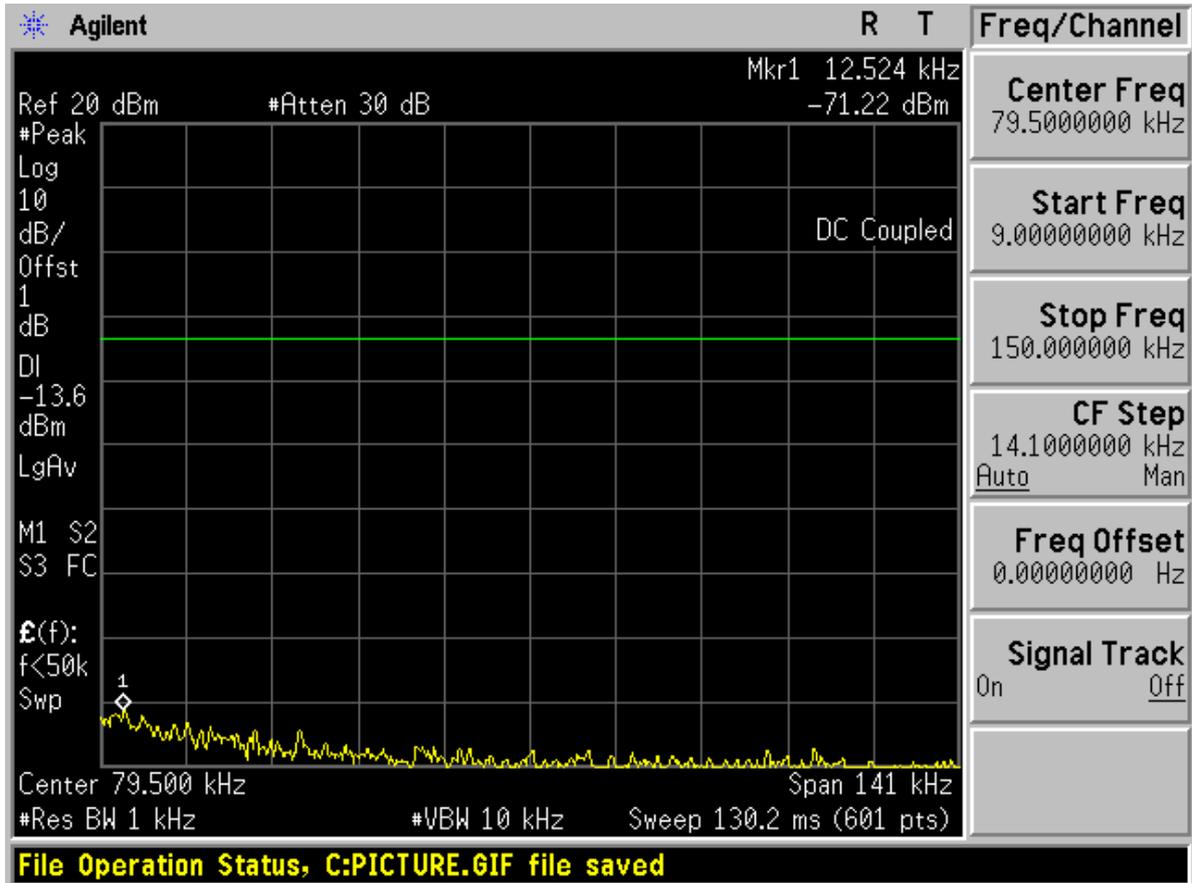


## Chain 2



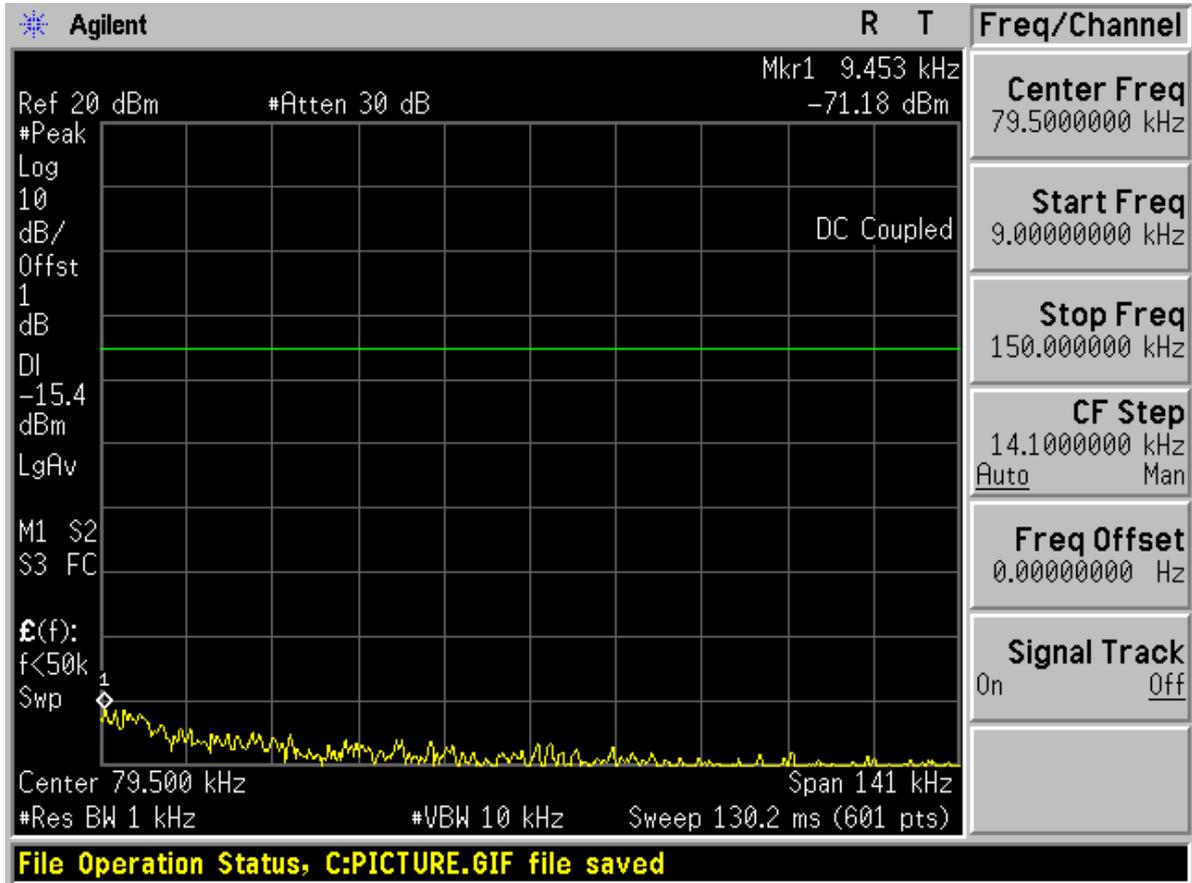


# Channel 06 9K~150K TM4\_06 Chain 1



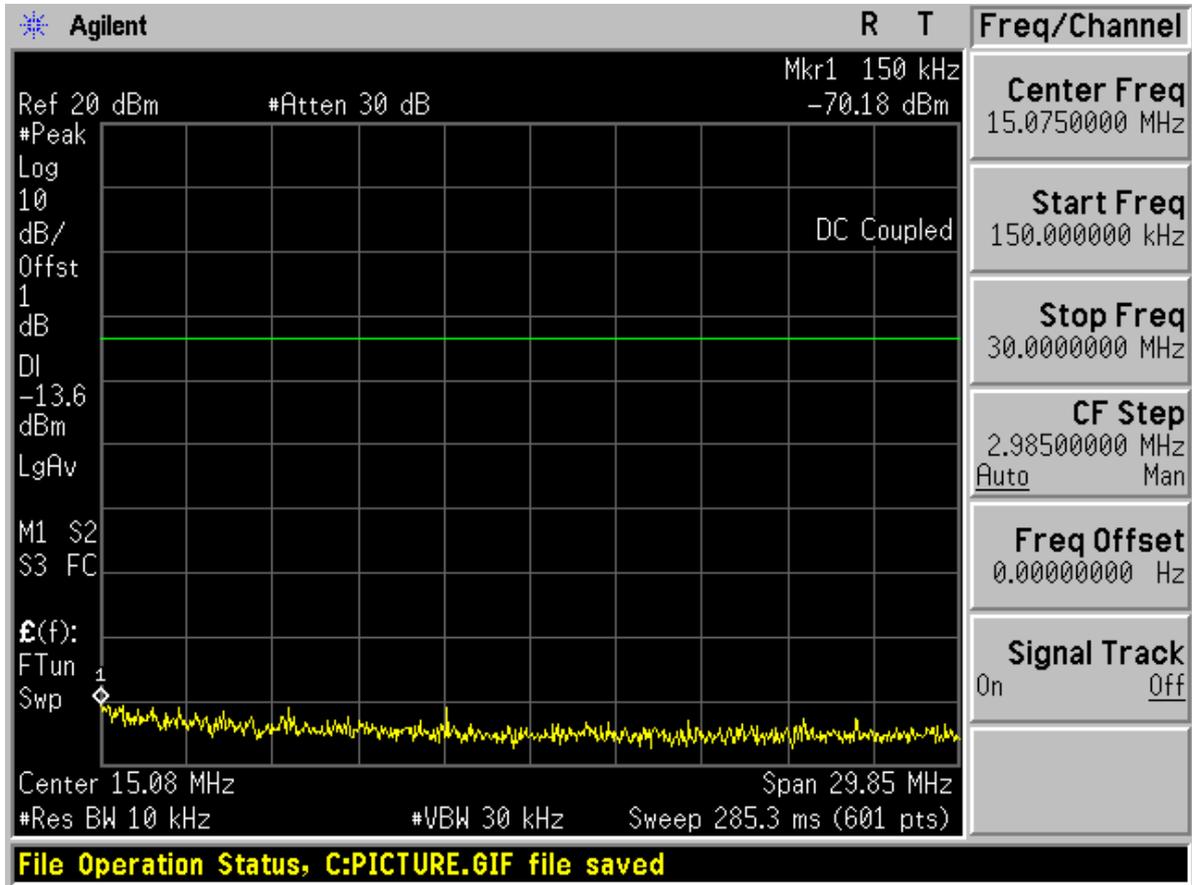


## Chain 2



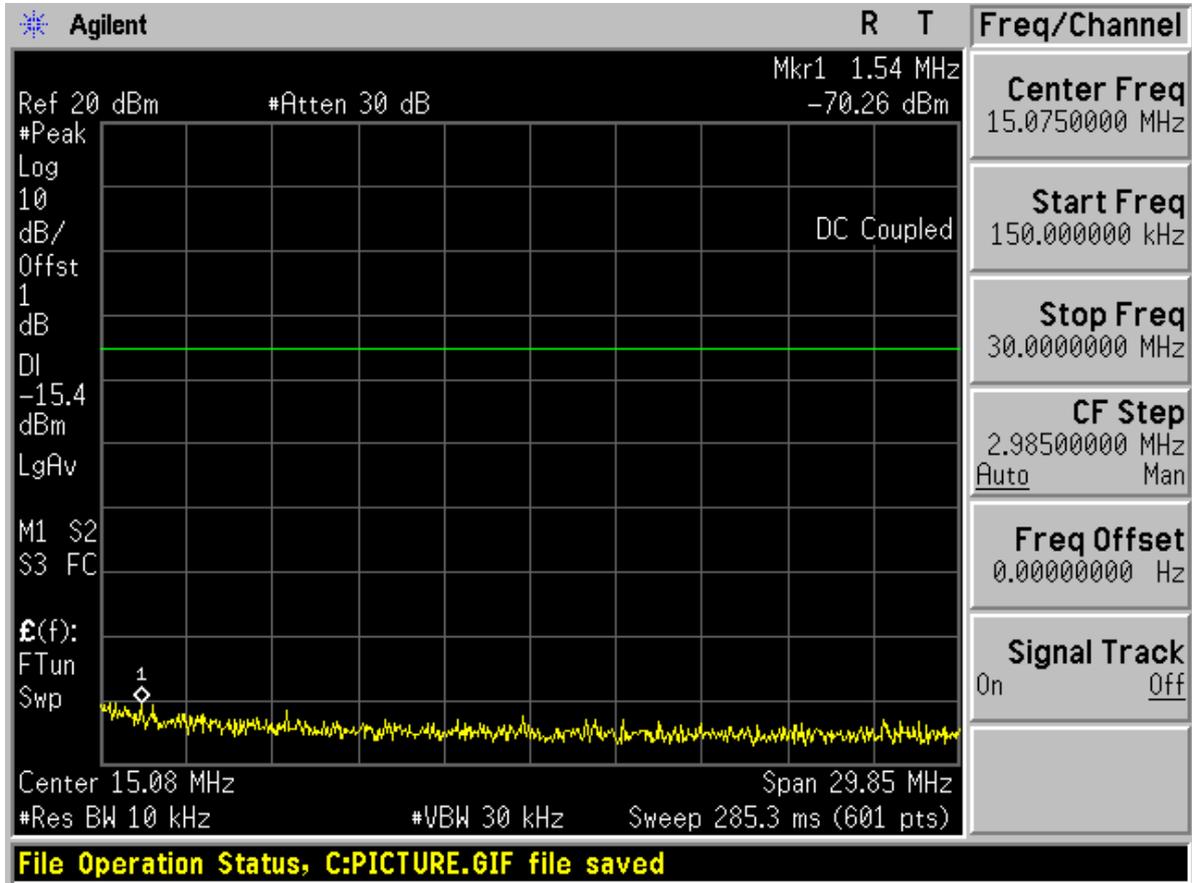


# 150K~30M TM4\_06 Chain 1



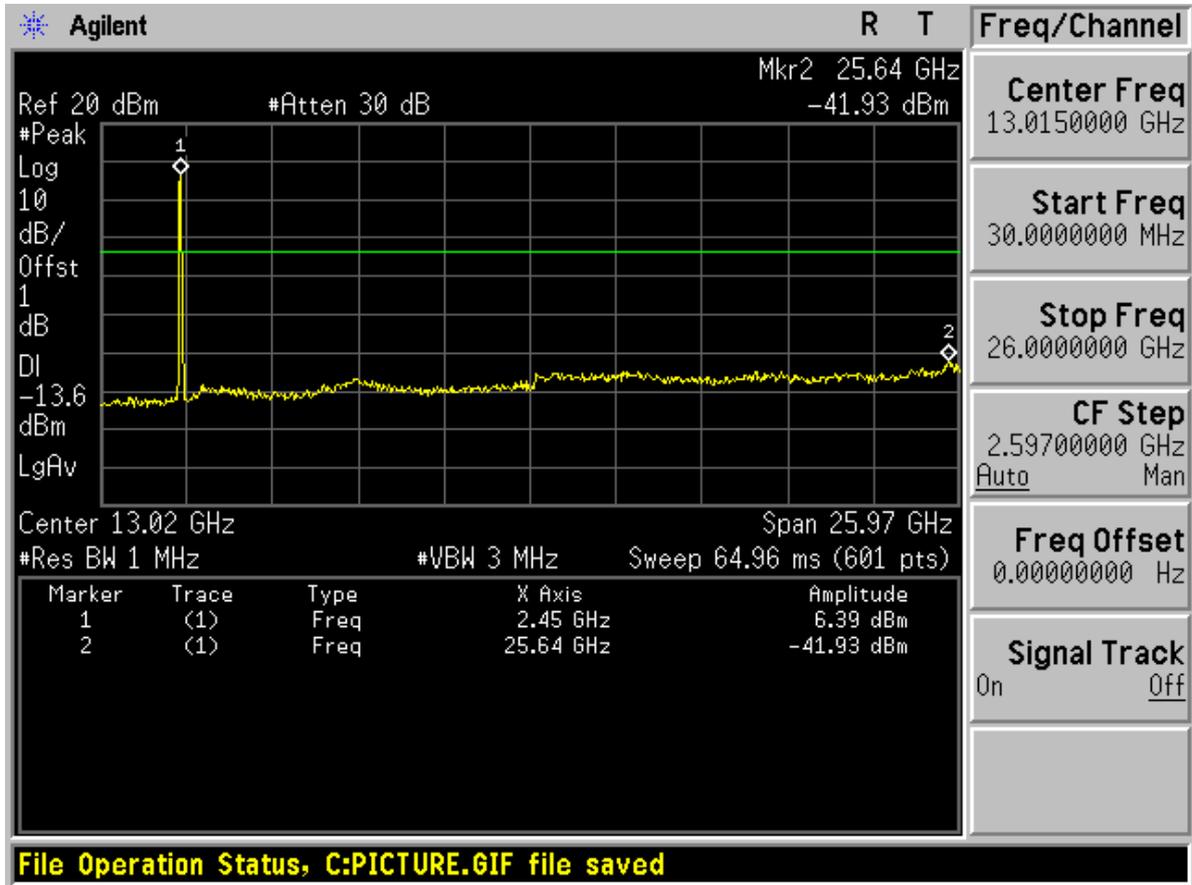


## Chain 2



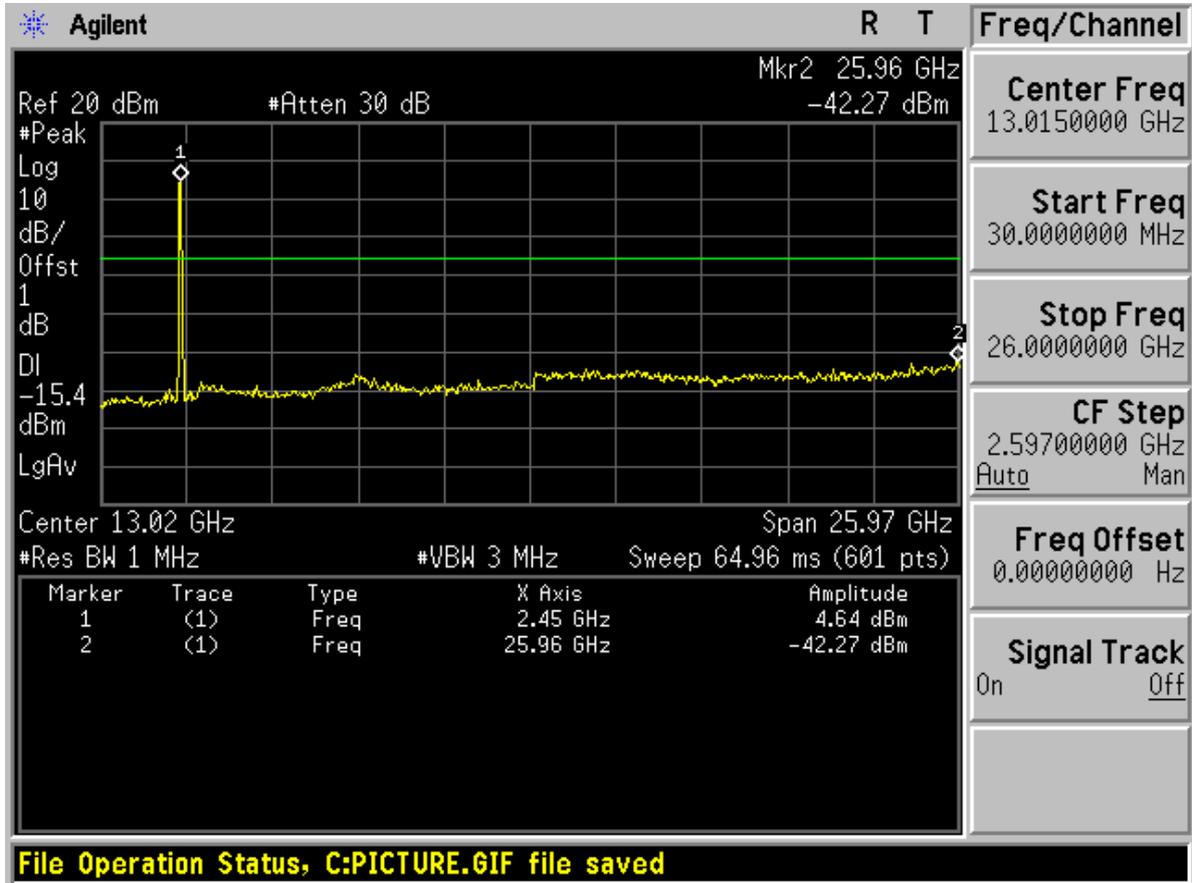


# 30M~26G TM4\_06 Chain 1



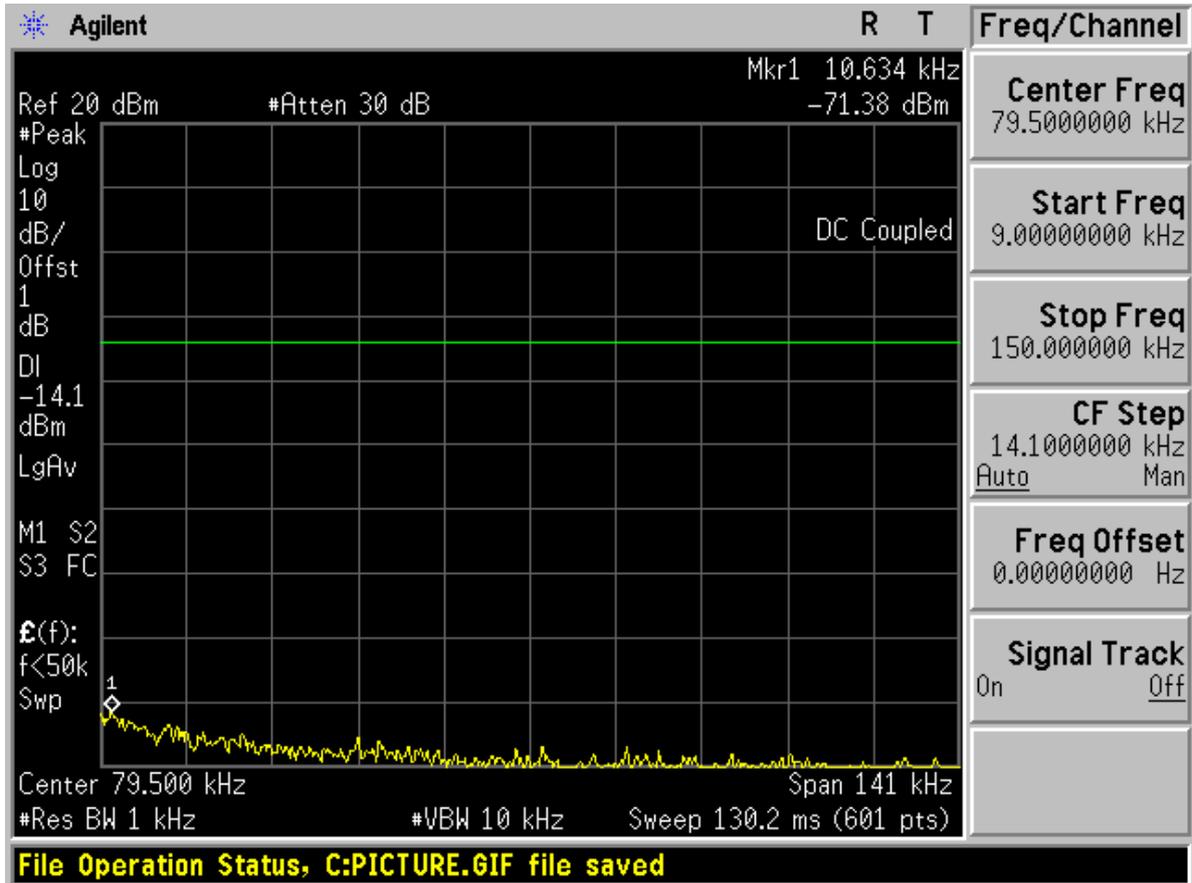


## Chain 2



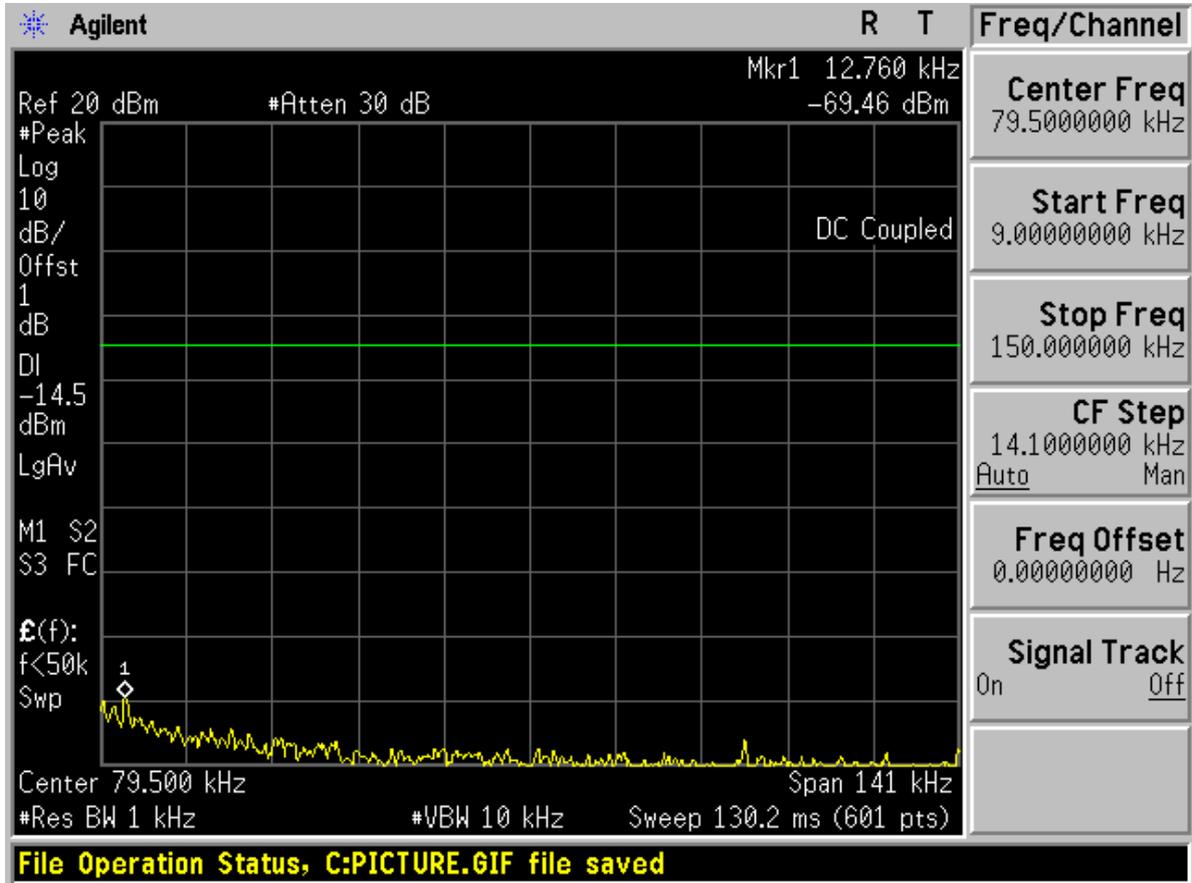


# Channel 09 9K~150K TM4\_09 Chain 1



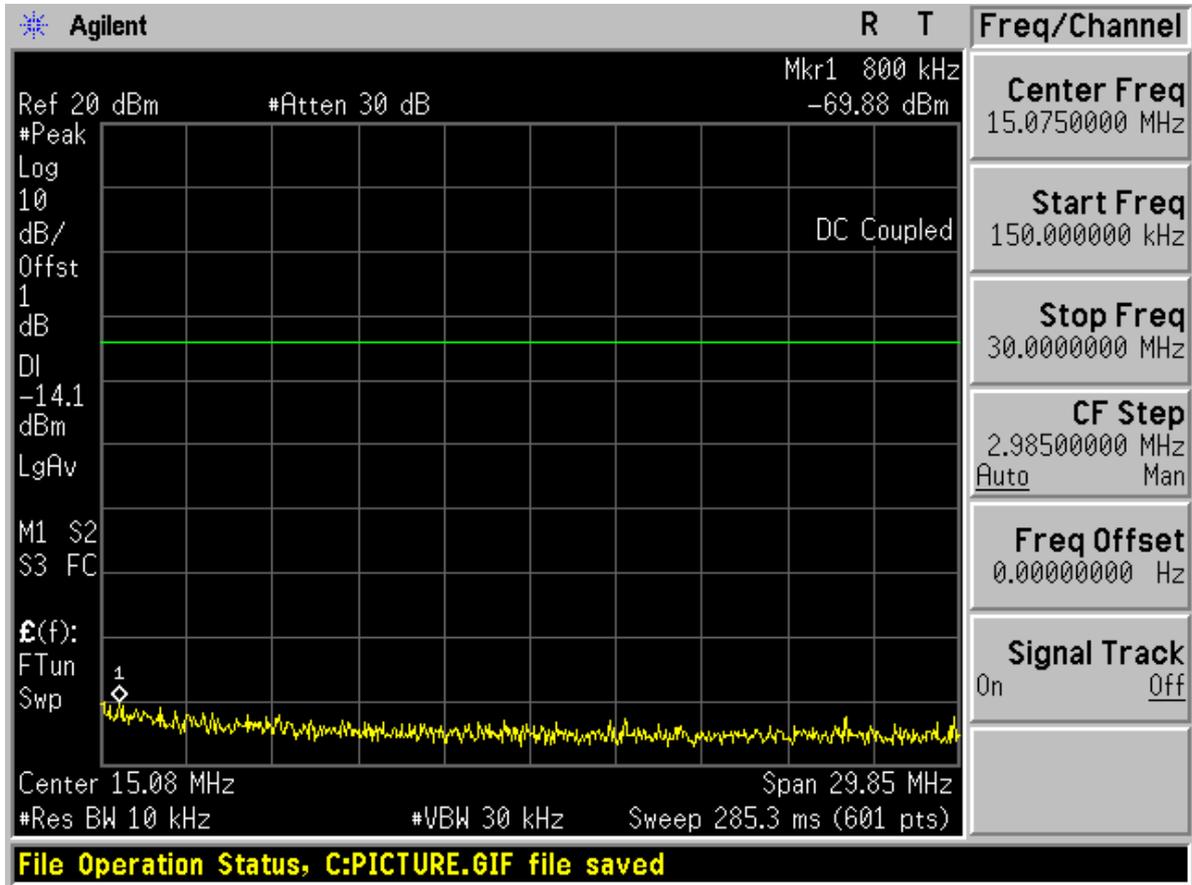


## Chain 2



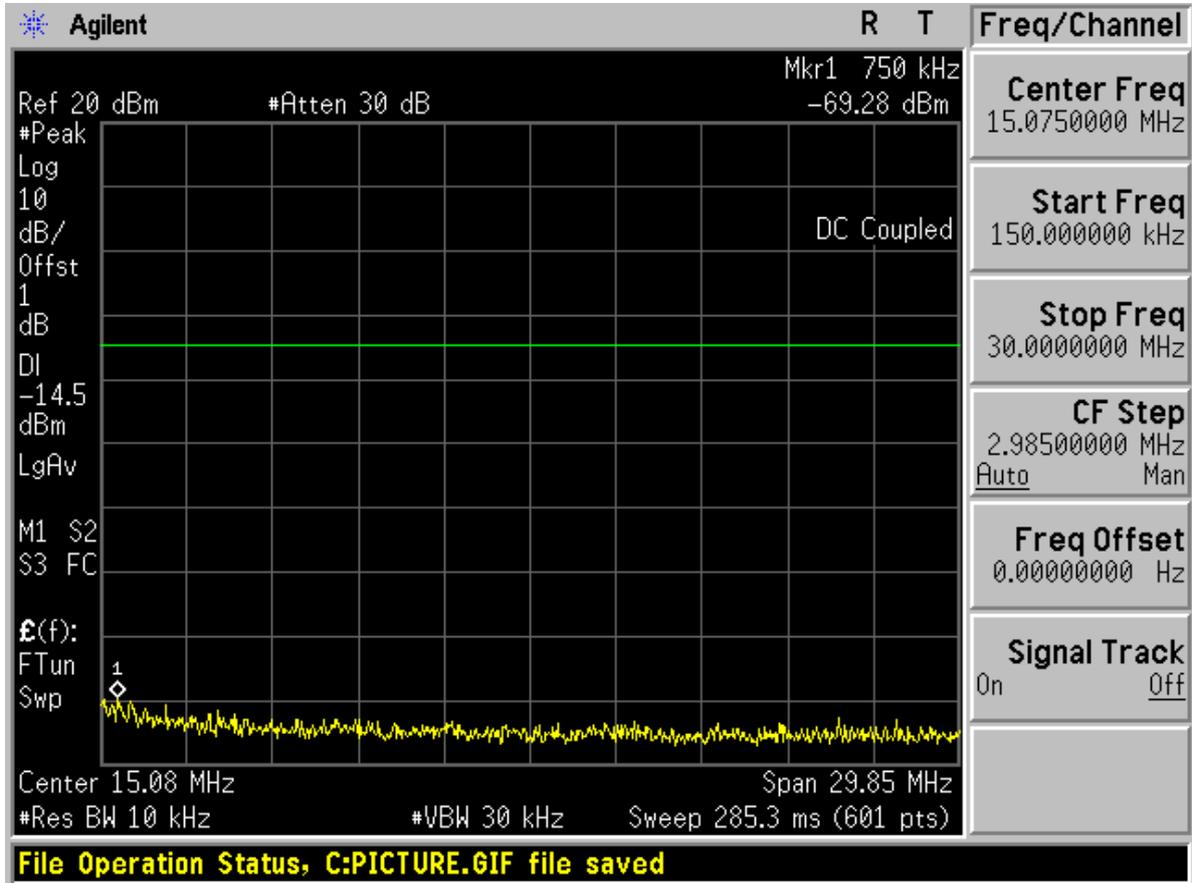


# 150K~30M TM4\_09 Chain 1



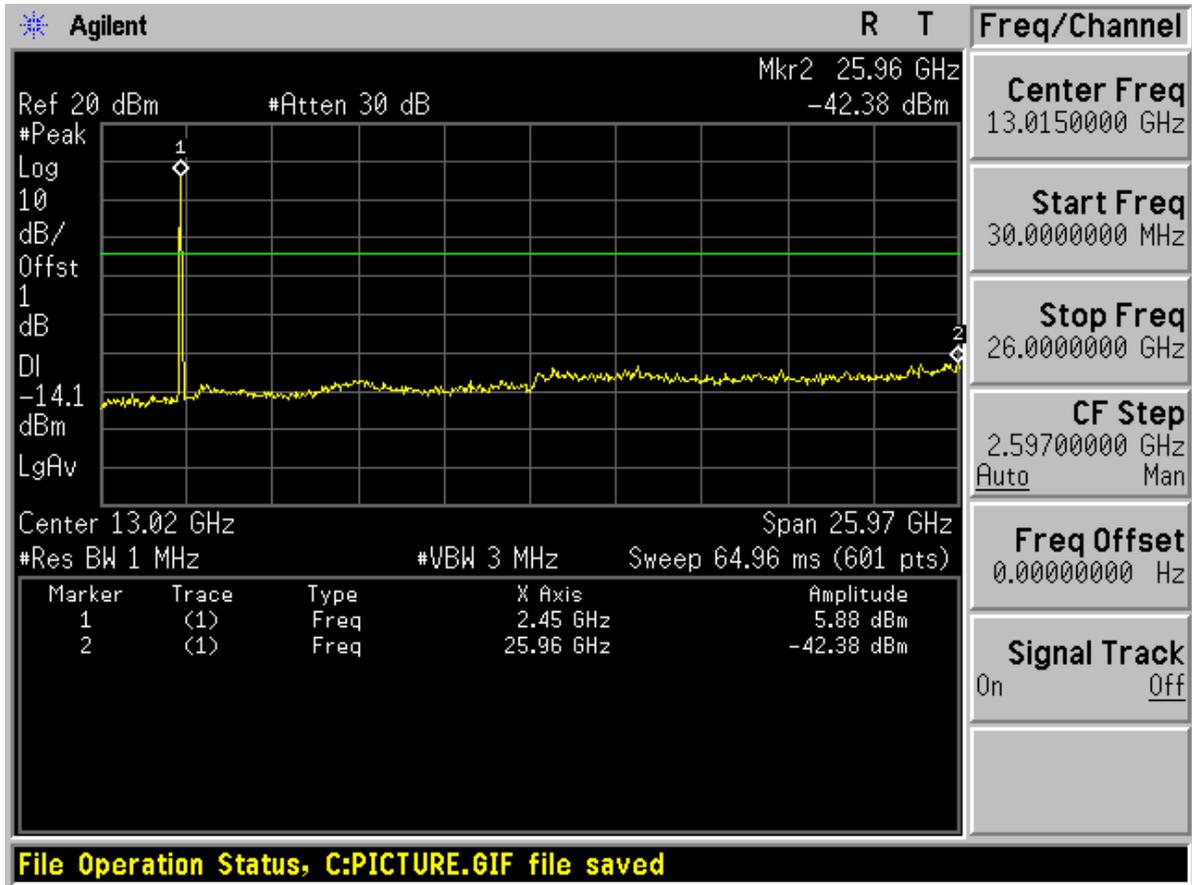


## Chain 2



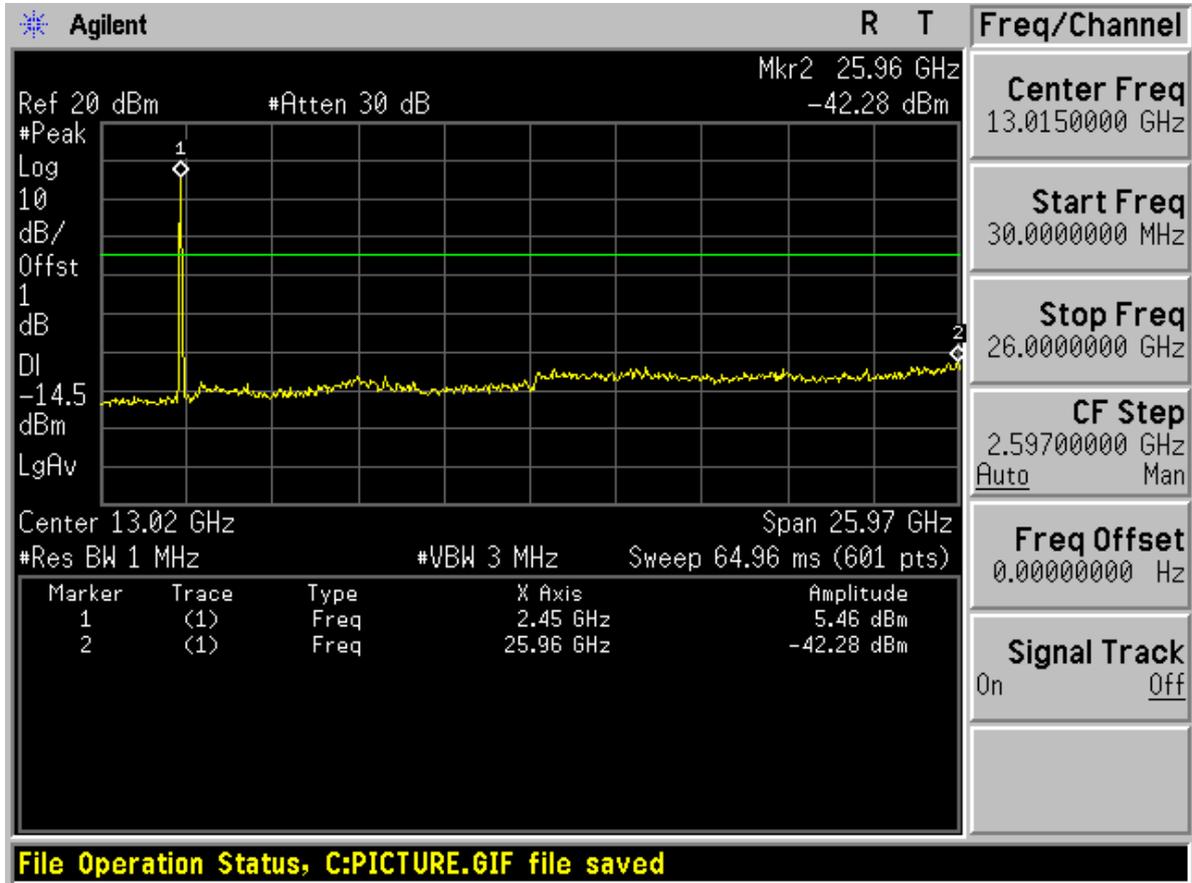


# 30M~26G TM4\_09 Chain 1



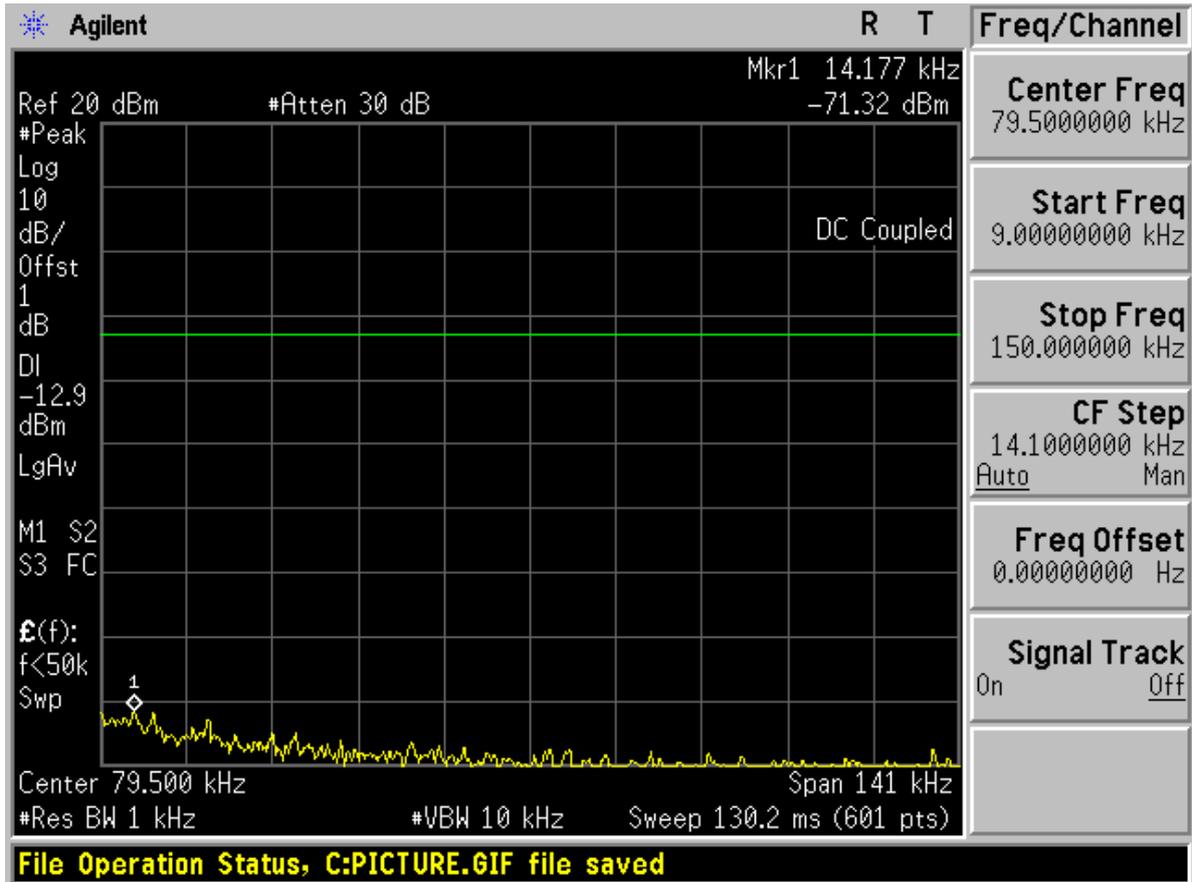


## Chain 2



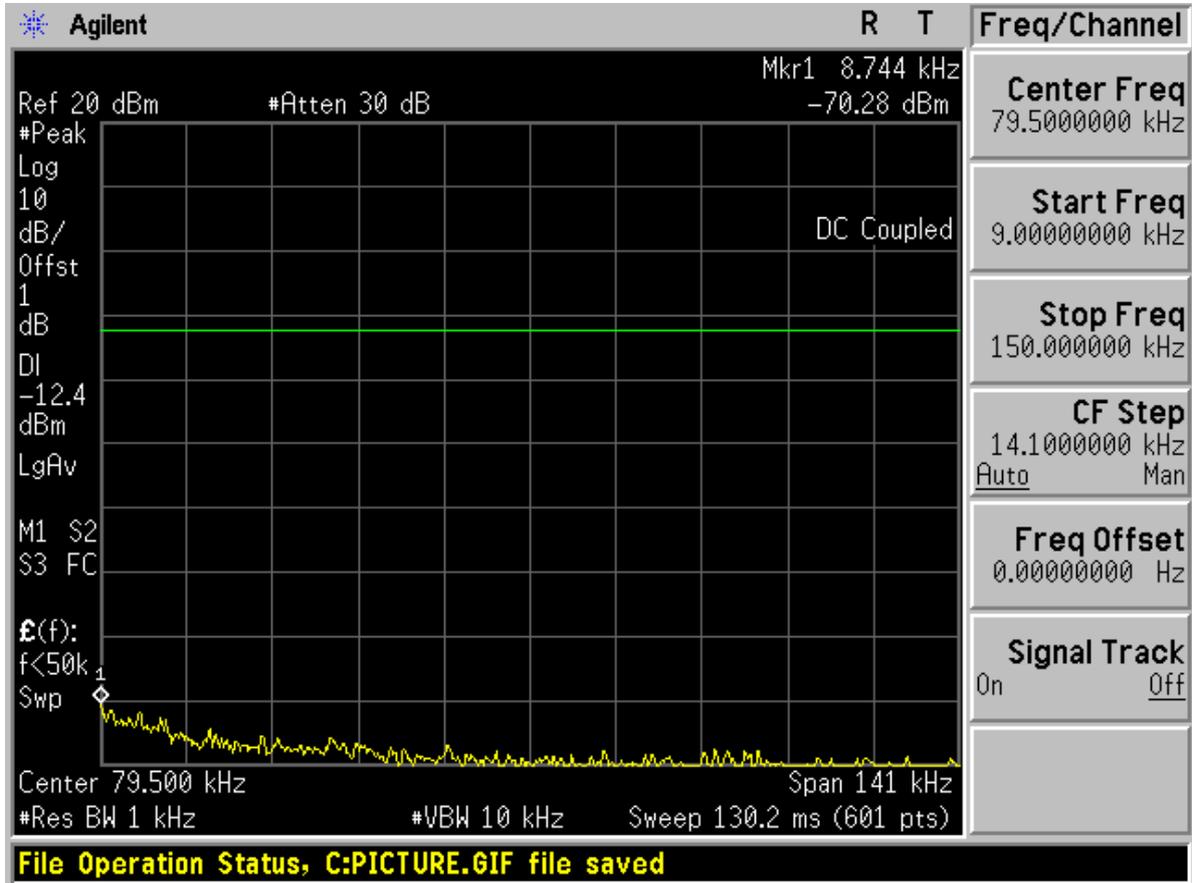


# TM5 Chain 1&2 Channel 01 9K~150K TM5\_01 Chain 1



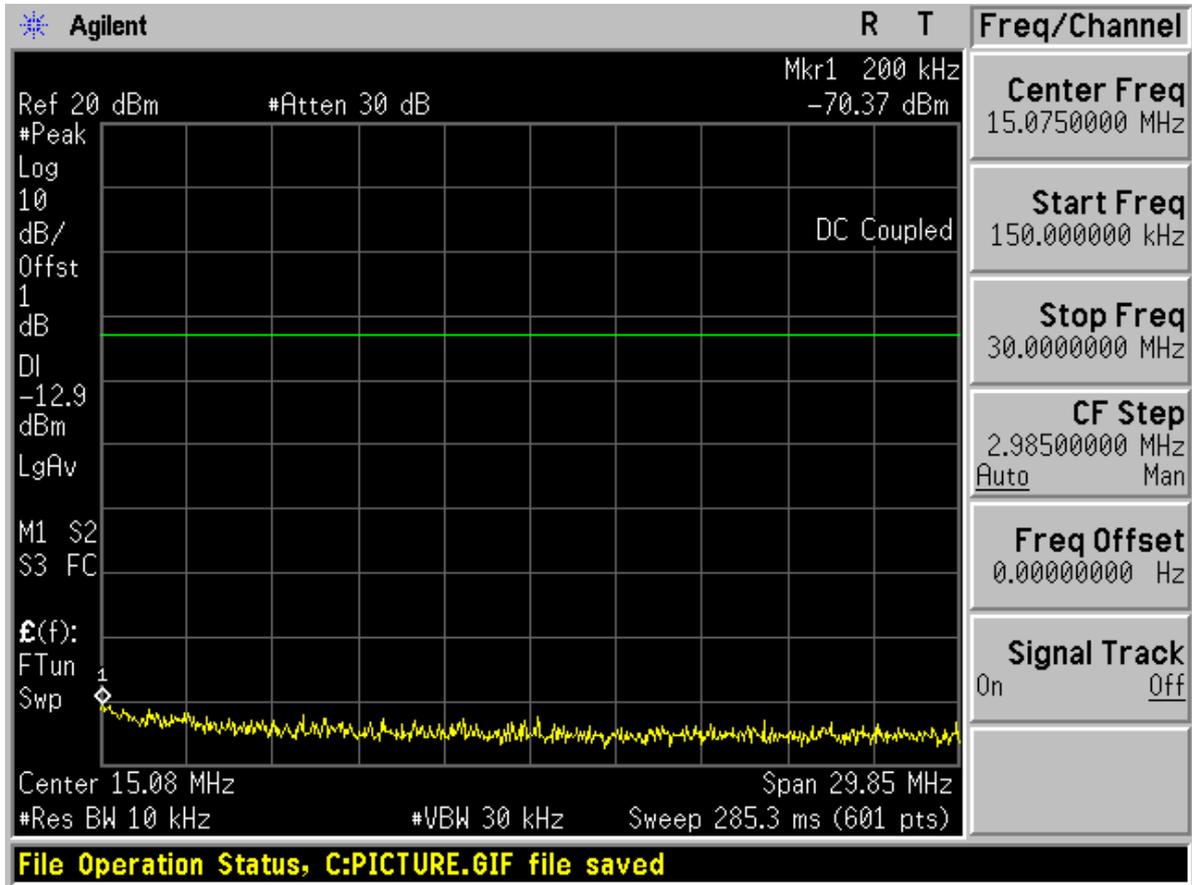


# Chain 2



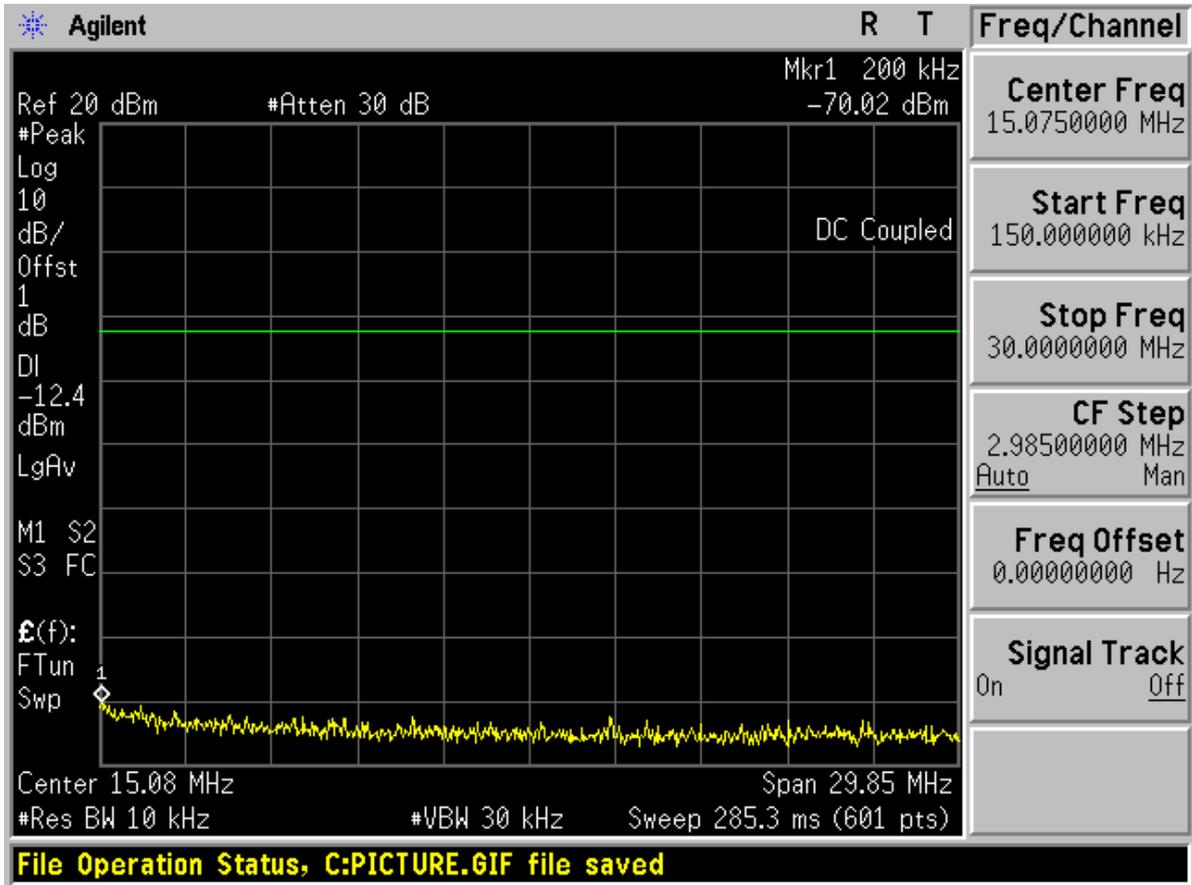


# 150K~30M TM5\_01 Chain 1



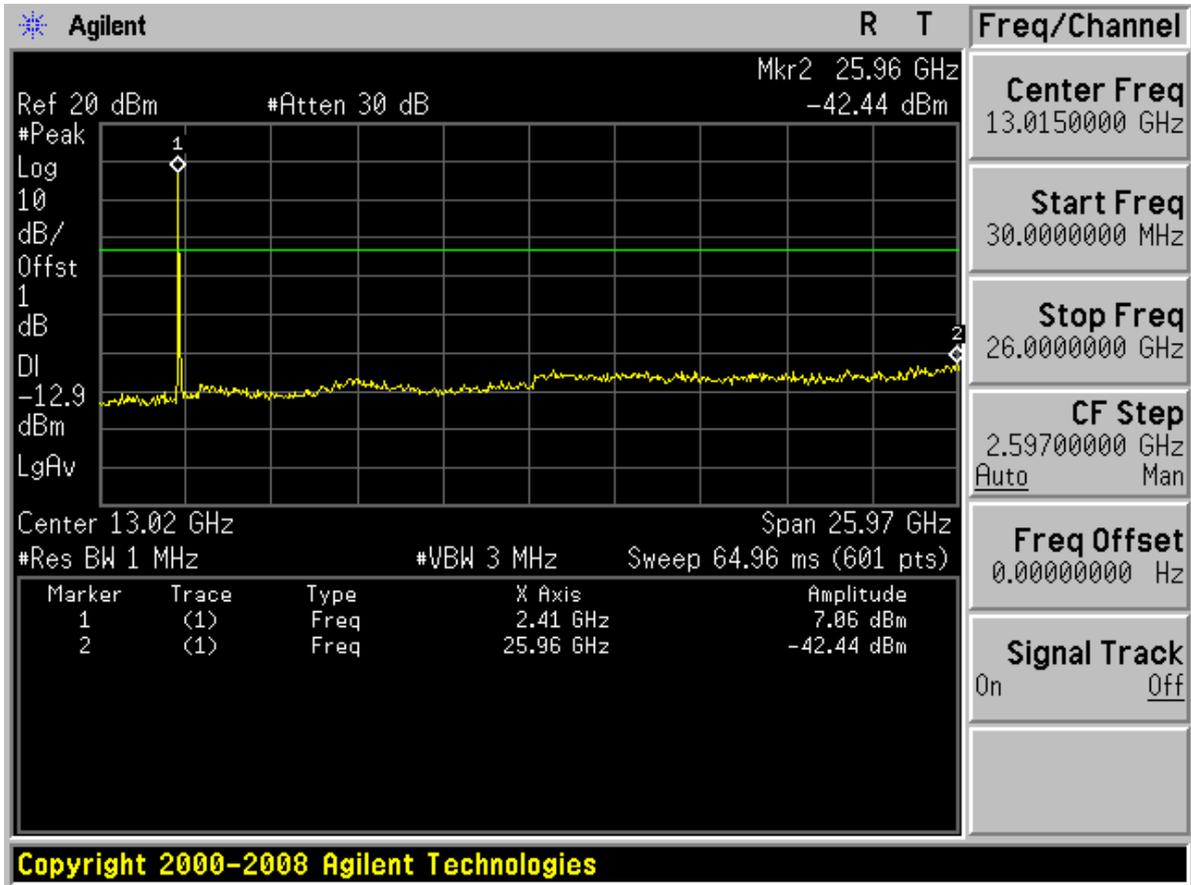


## Chain 2



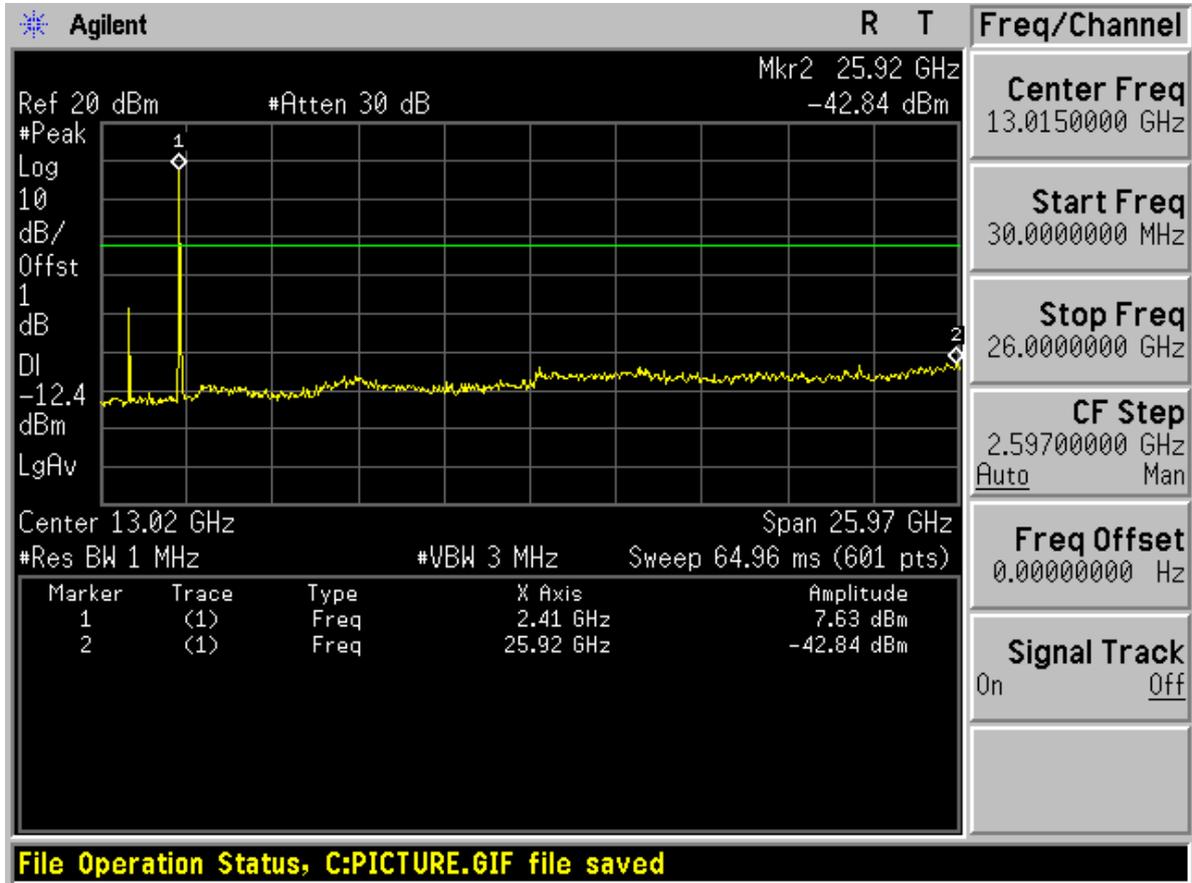


# 30M~26G TM5\_01 Chain 1



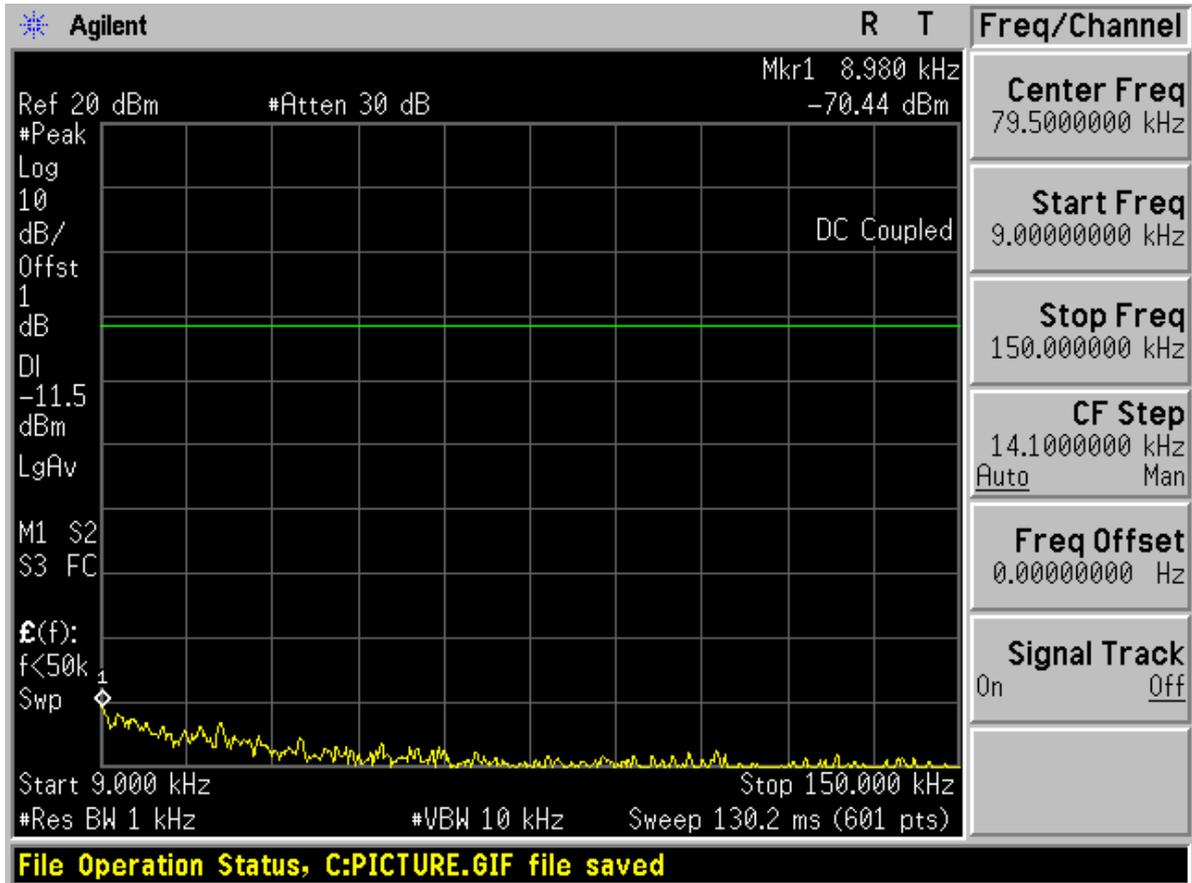


## Chain 2



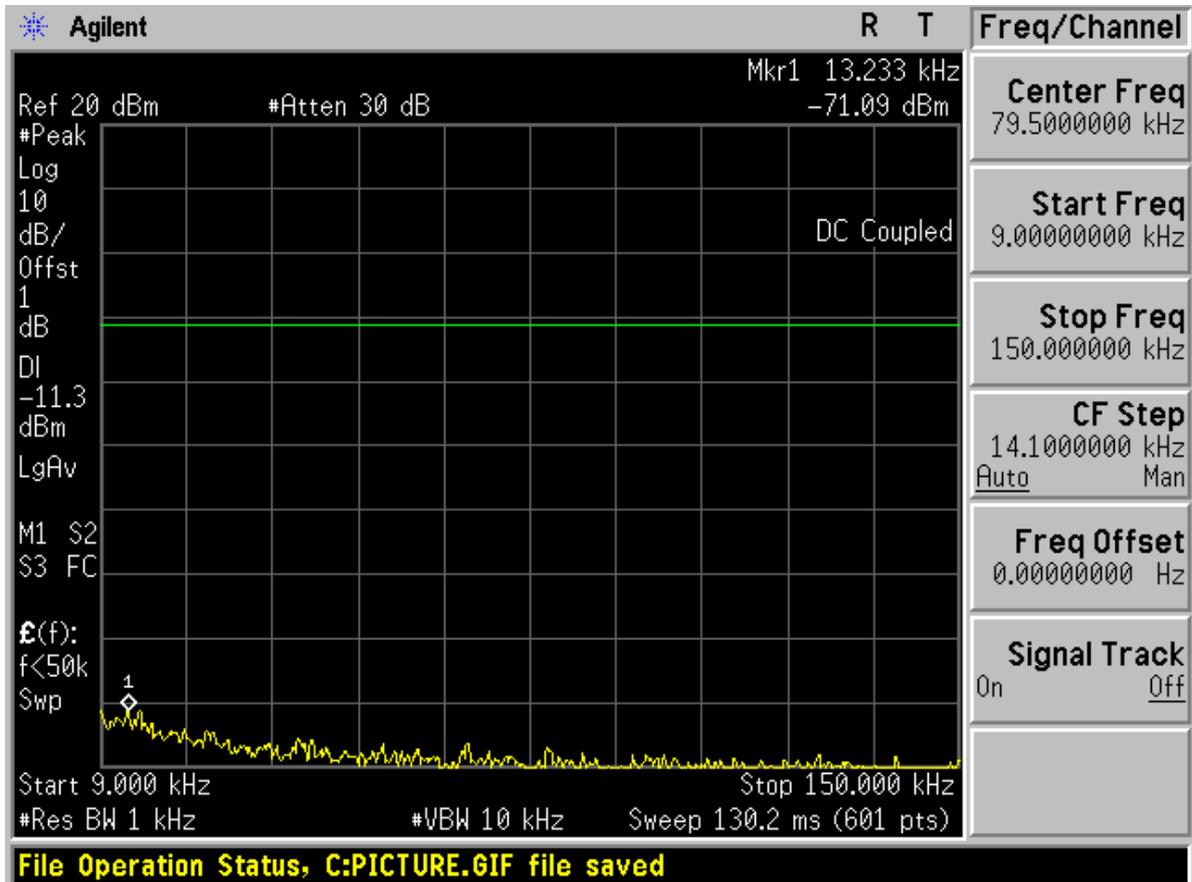


# Channel 06 9K~150K TM5\_06 Chain 1



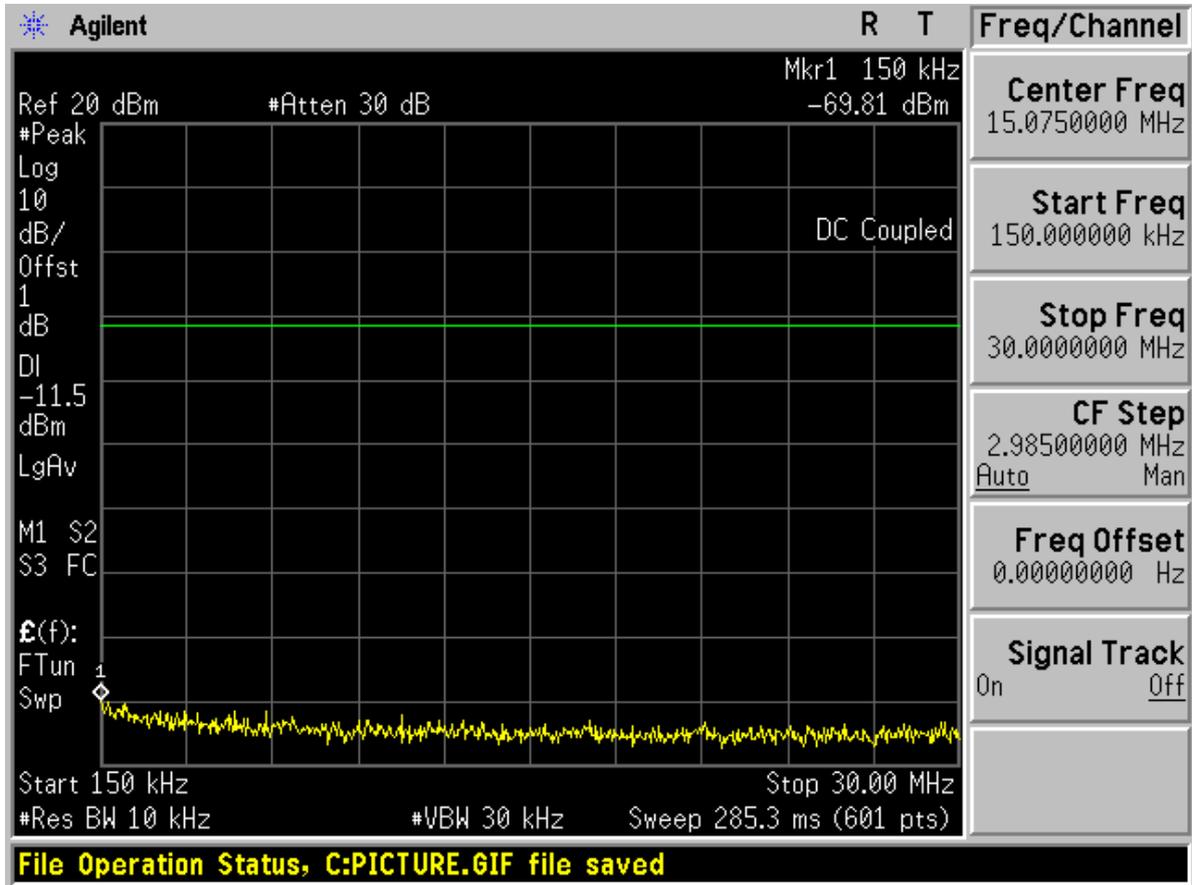


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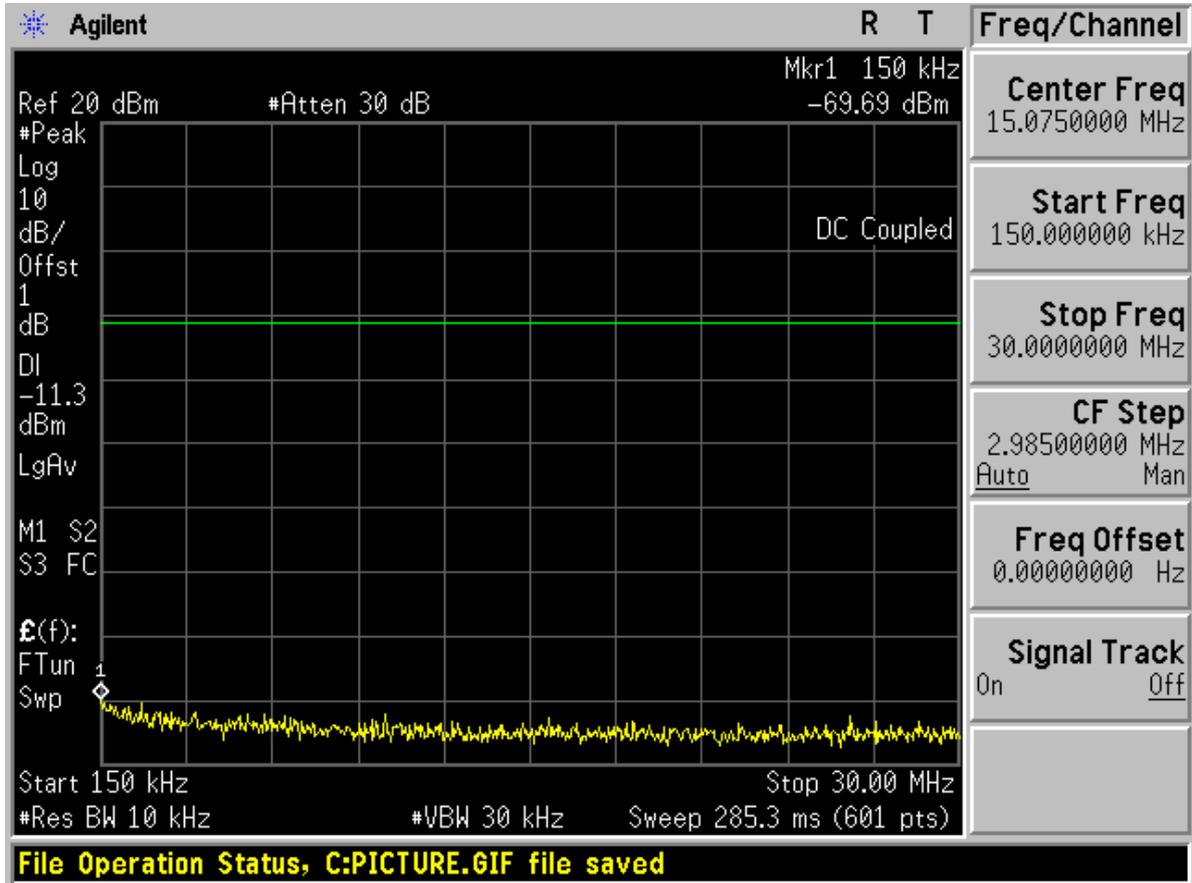


# 150K~30M TM5\_06 Chain 1



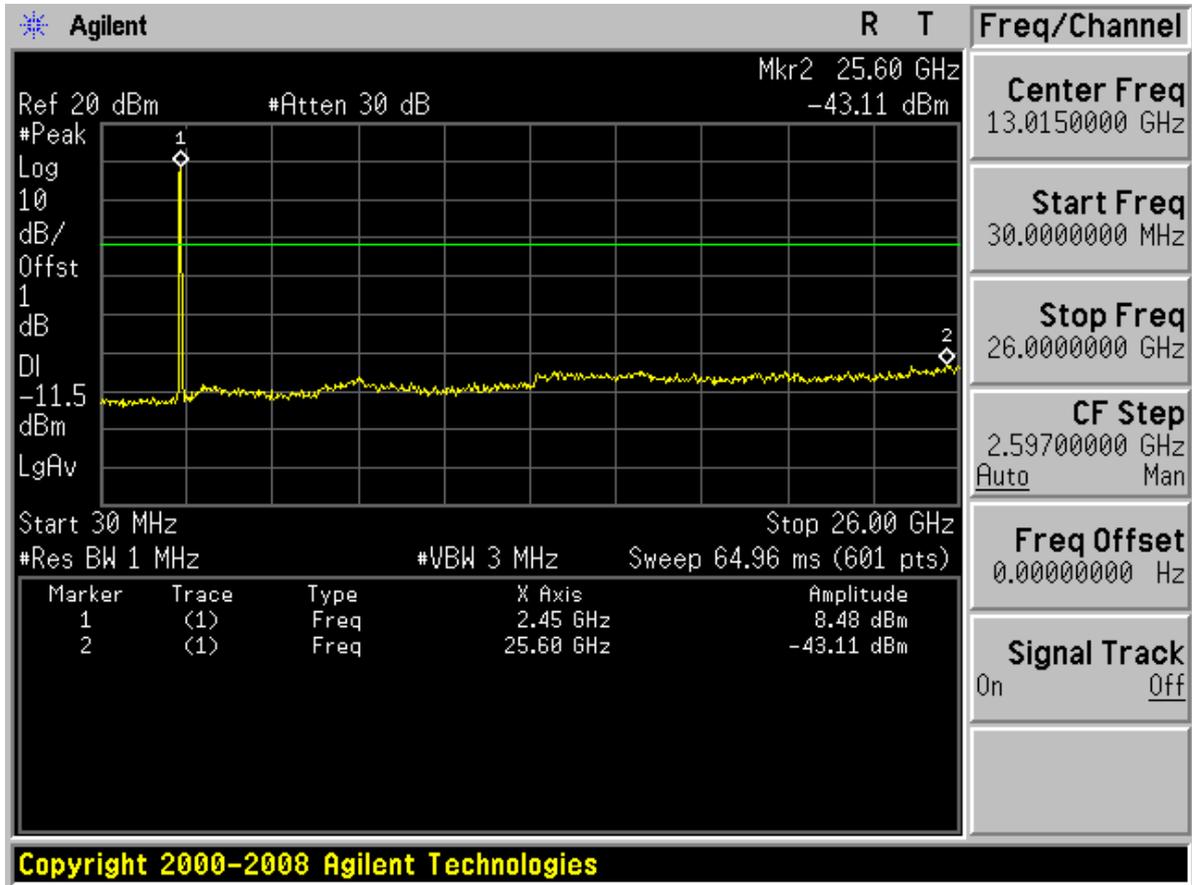


## Chain 2



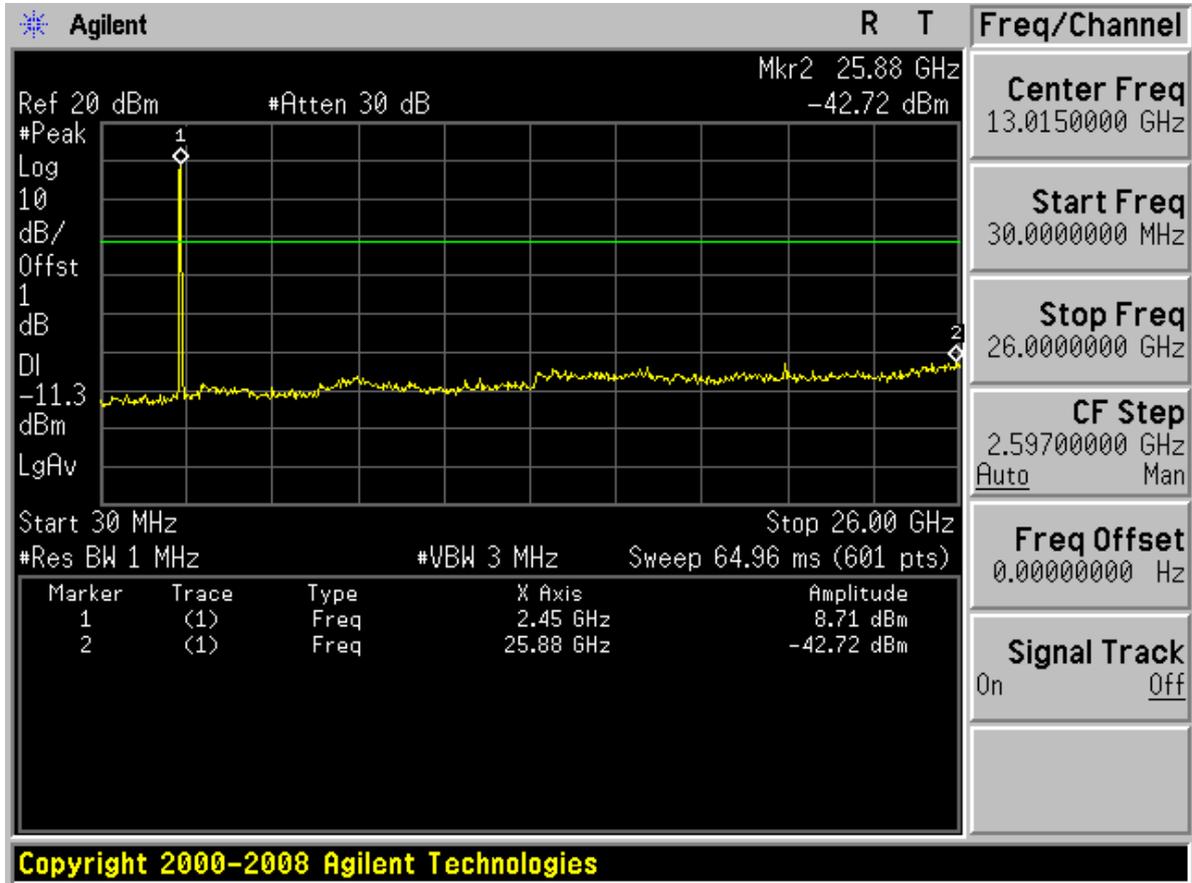


# 30M~26G TM5\_06 Chain 1



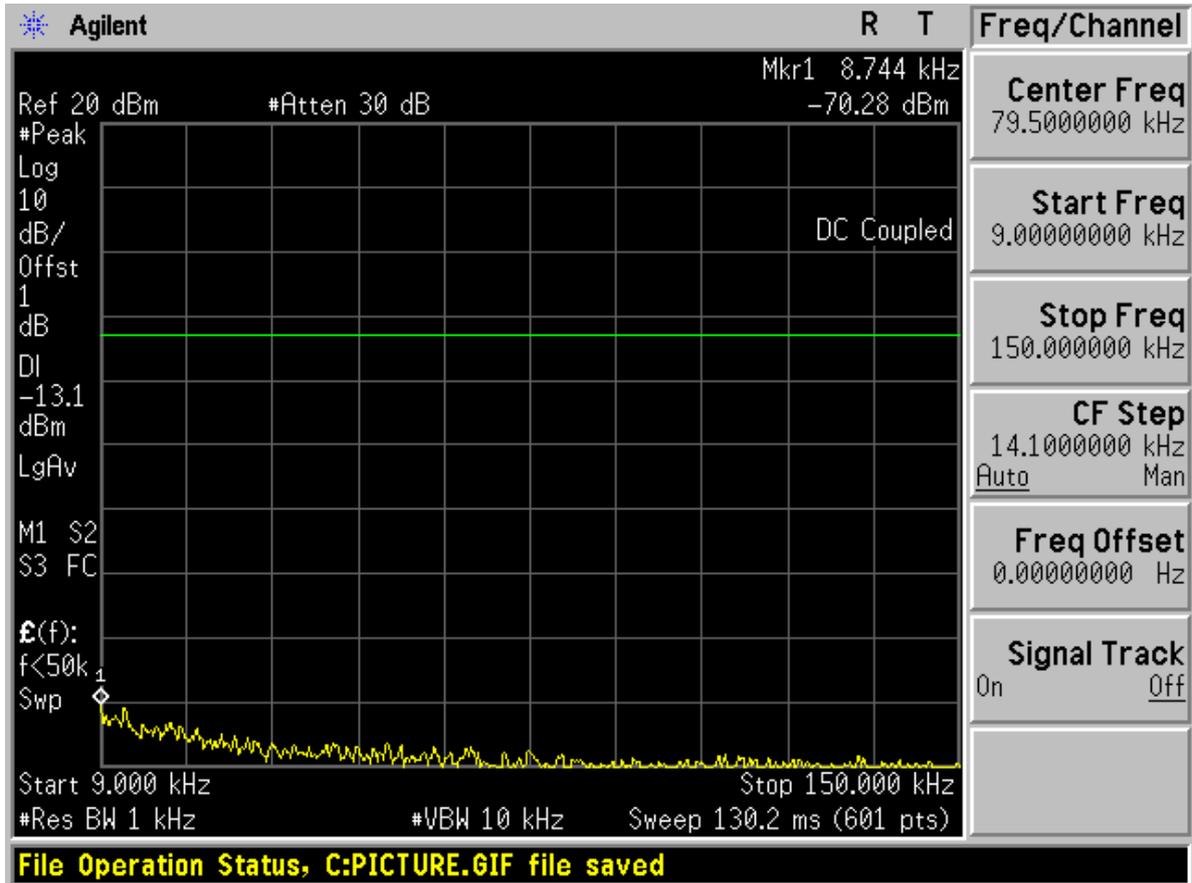


## Chain 2



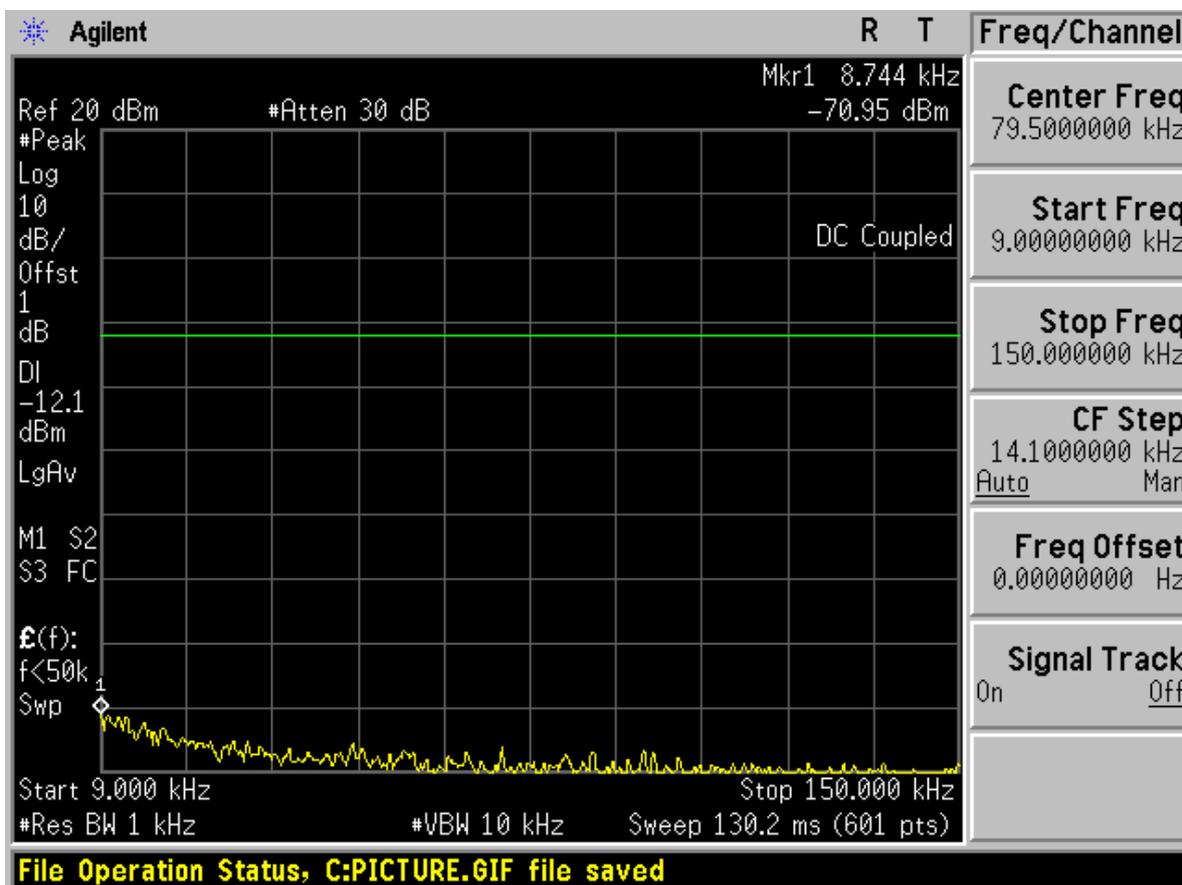


# Channel 11 9K~150K TM5\_11 Chain 1



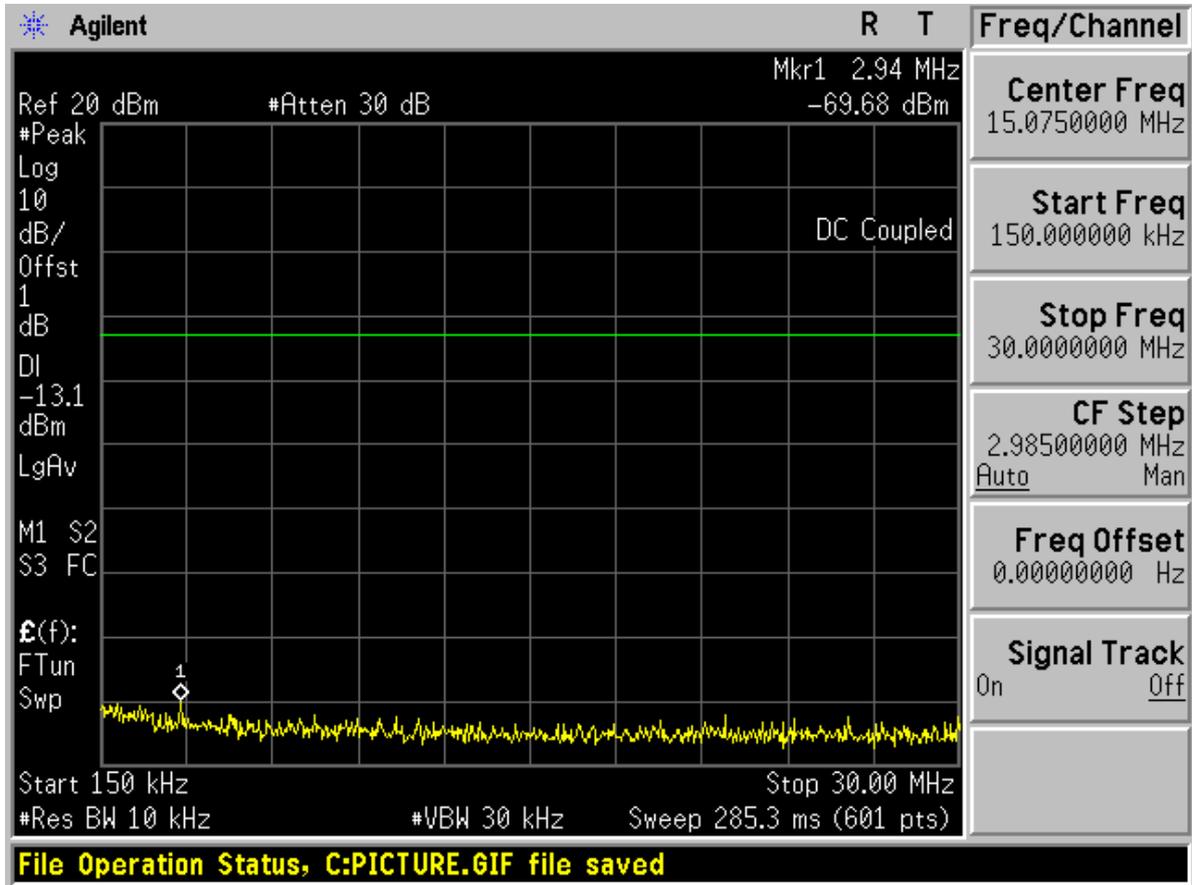


## Chain 2



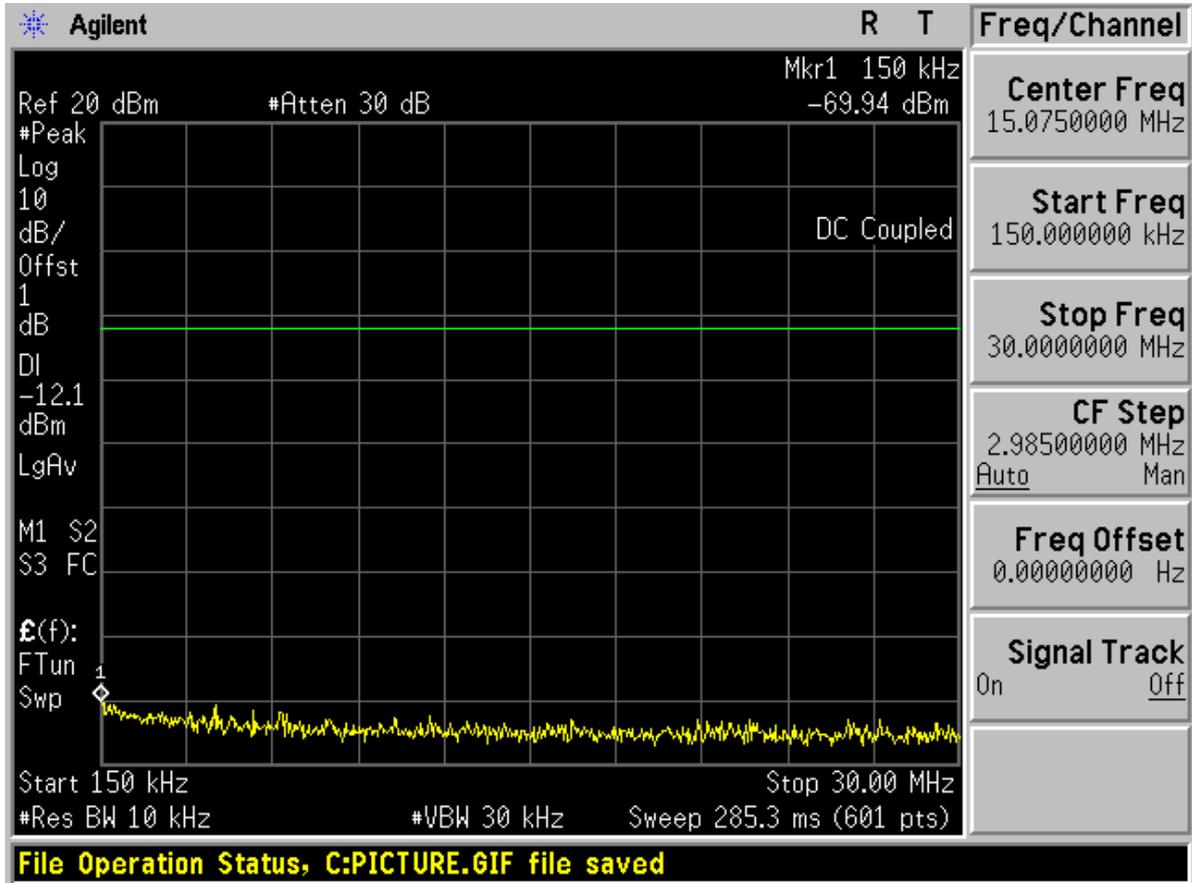


# 150K~30M TM5\_11 Chain 1



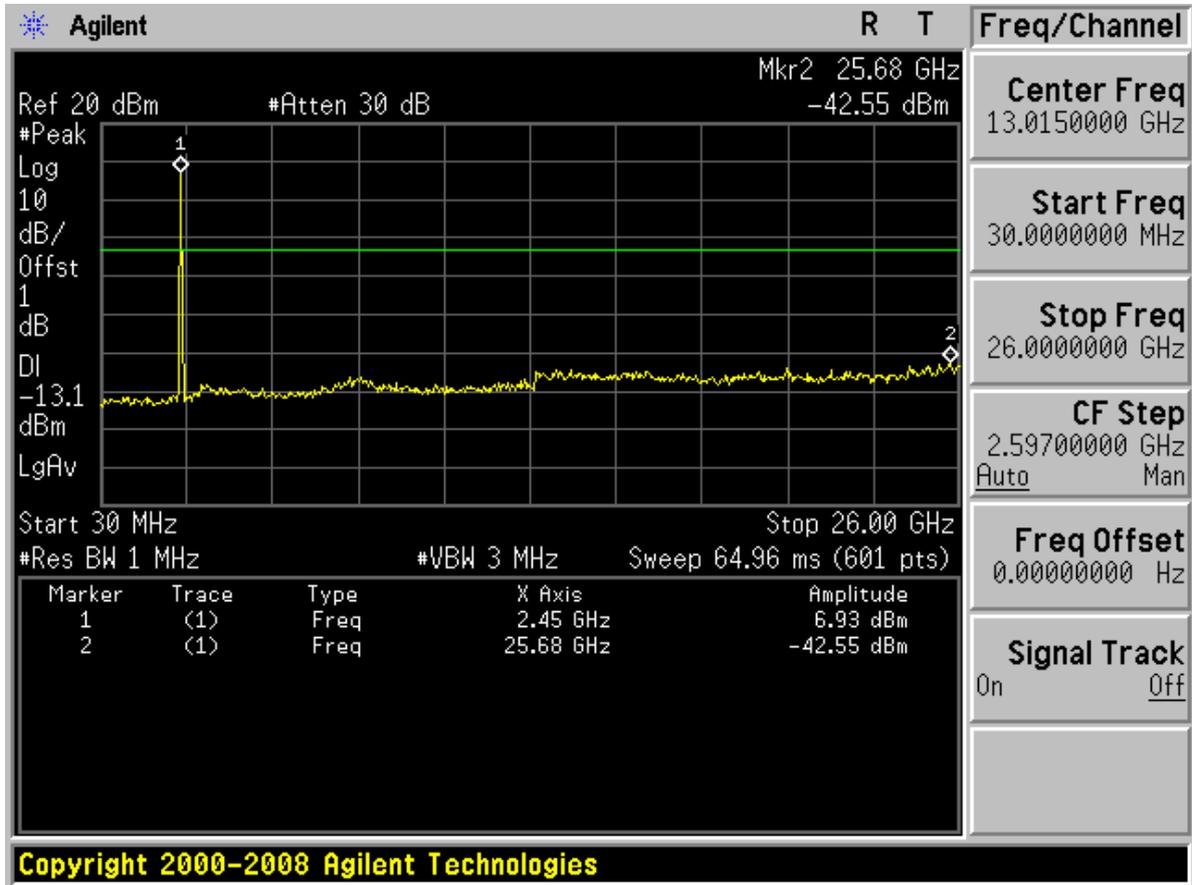


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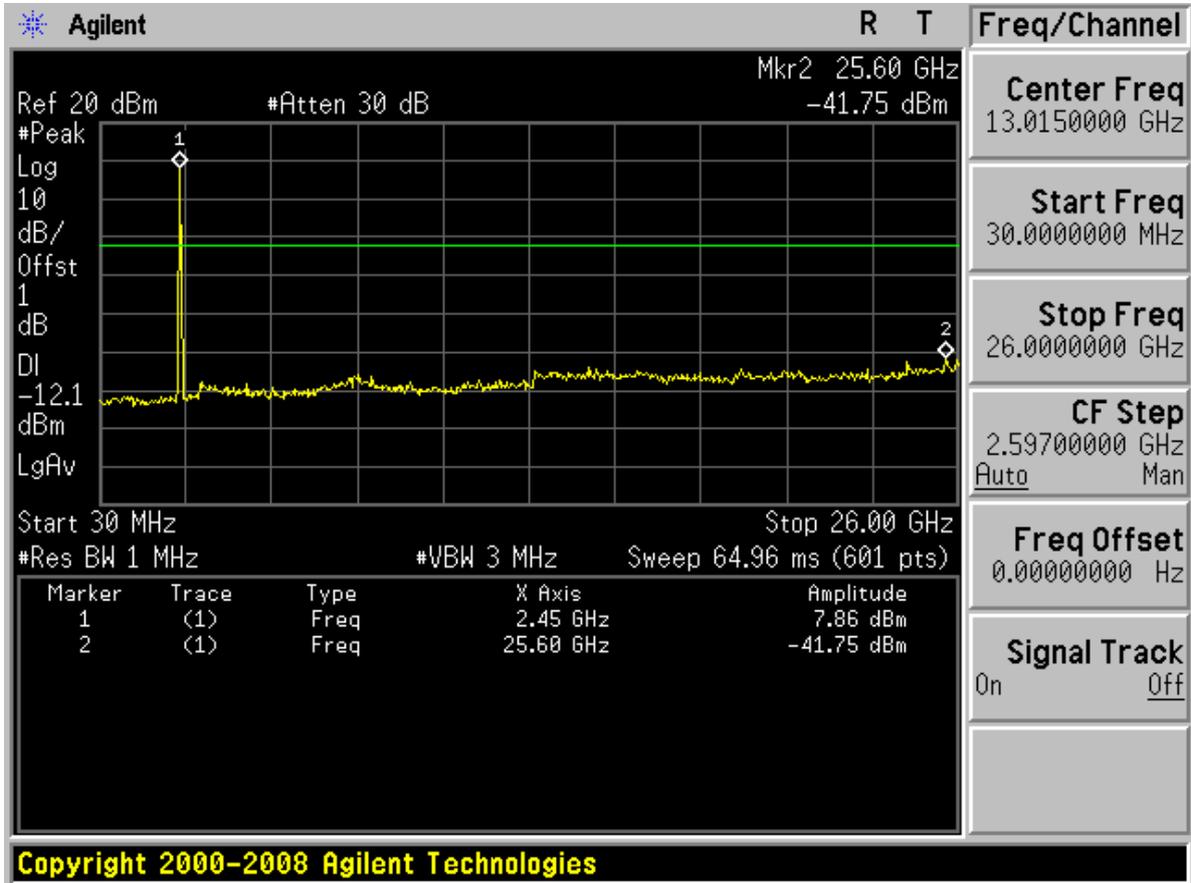


# 30M~26G TM5\_11 Chain 1



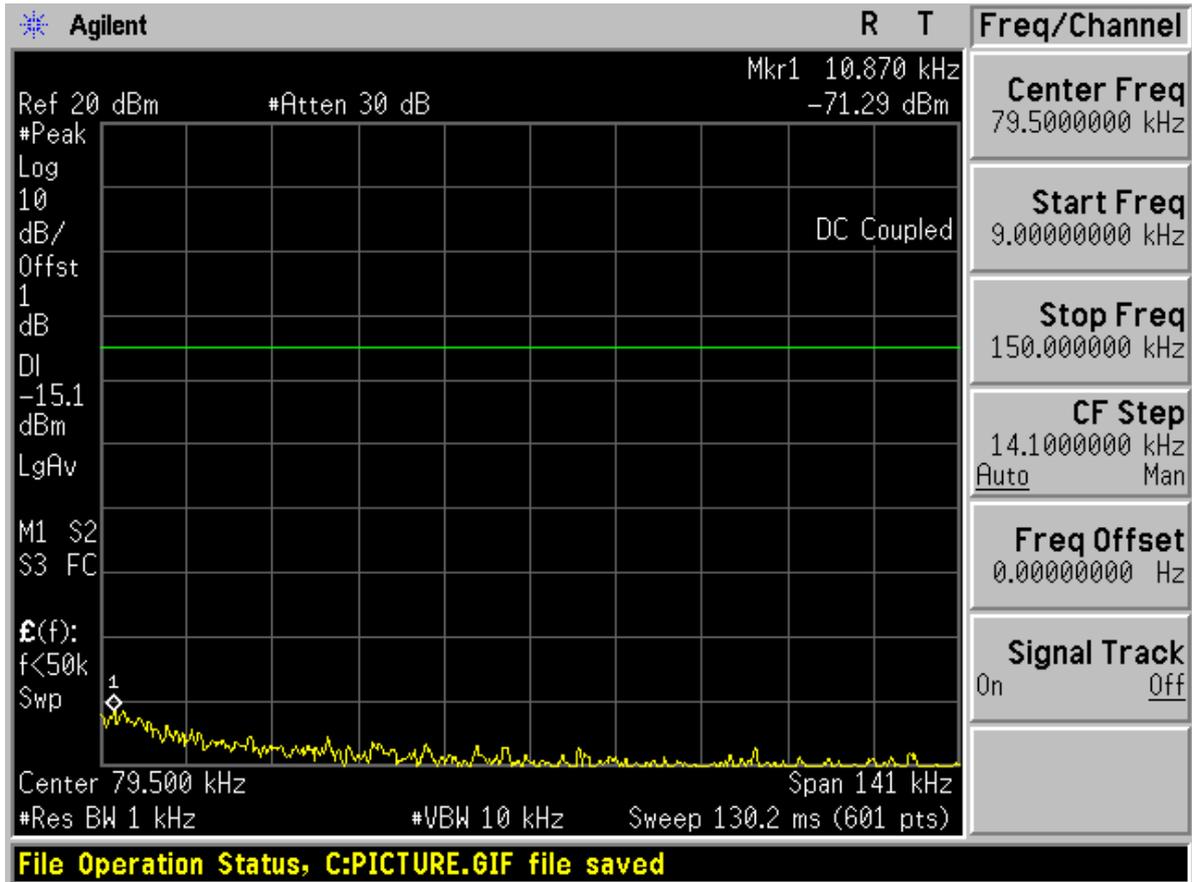


# Chain 2



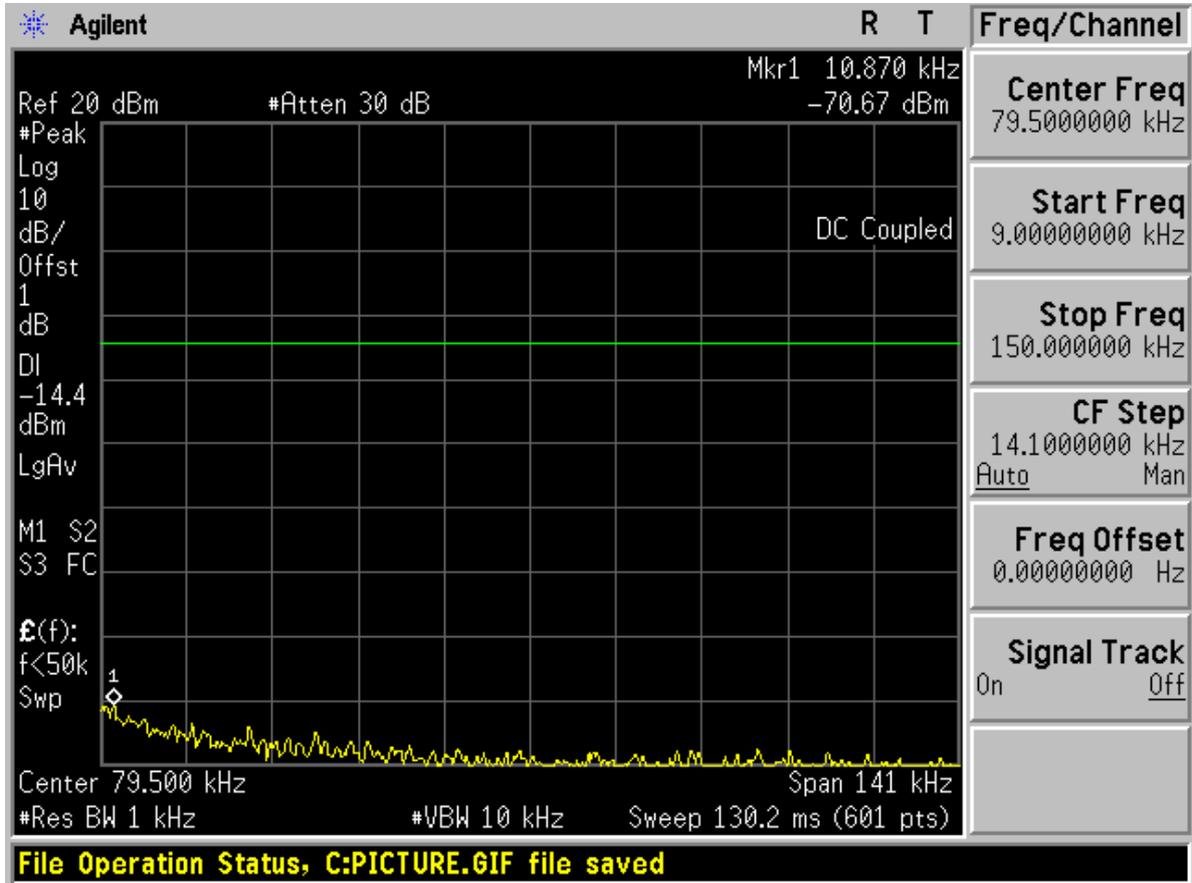


# TM6 Chain1&2 Channel 03 9K~150K TM6\_03 Chain 1



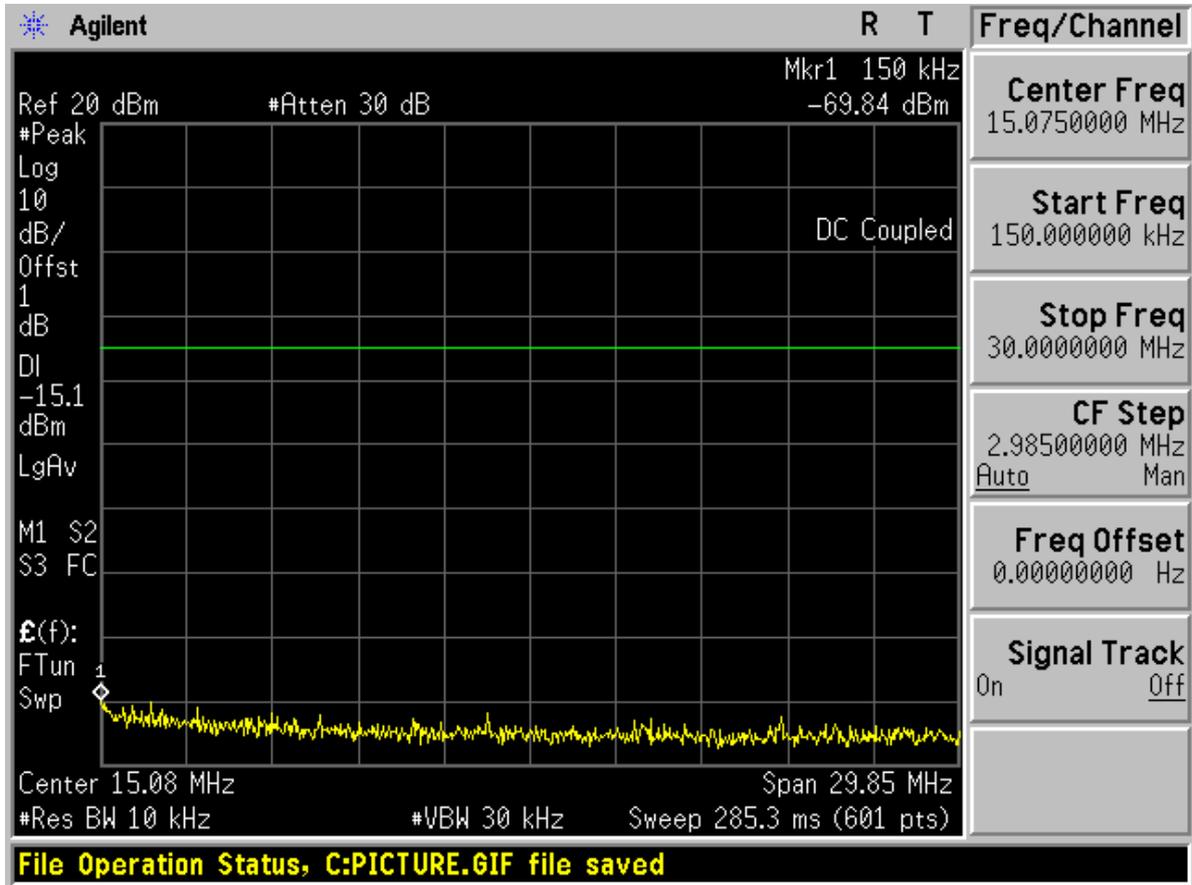


## Chain 2



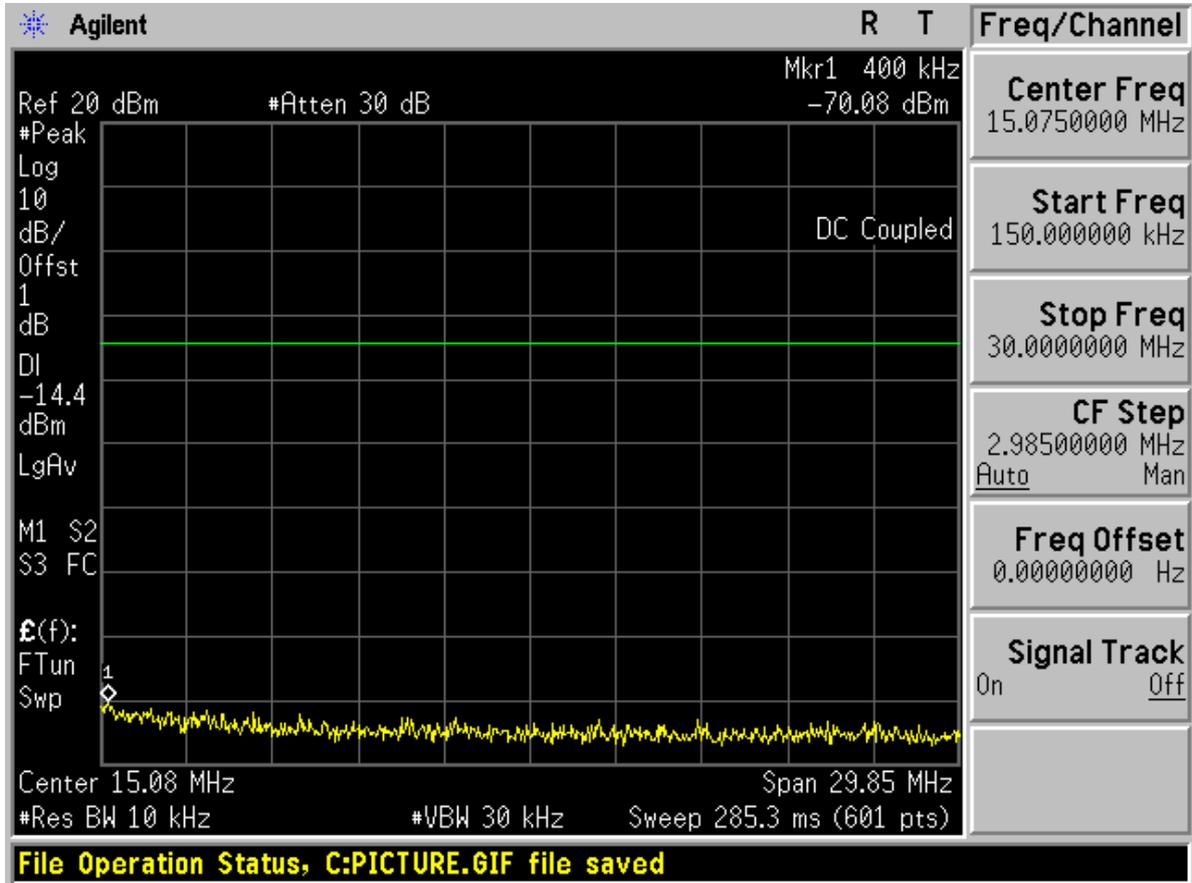


# 150K~30M TM6\_03 Chain 1



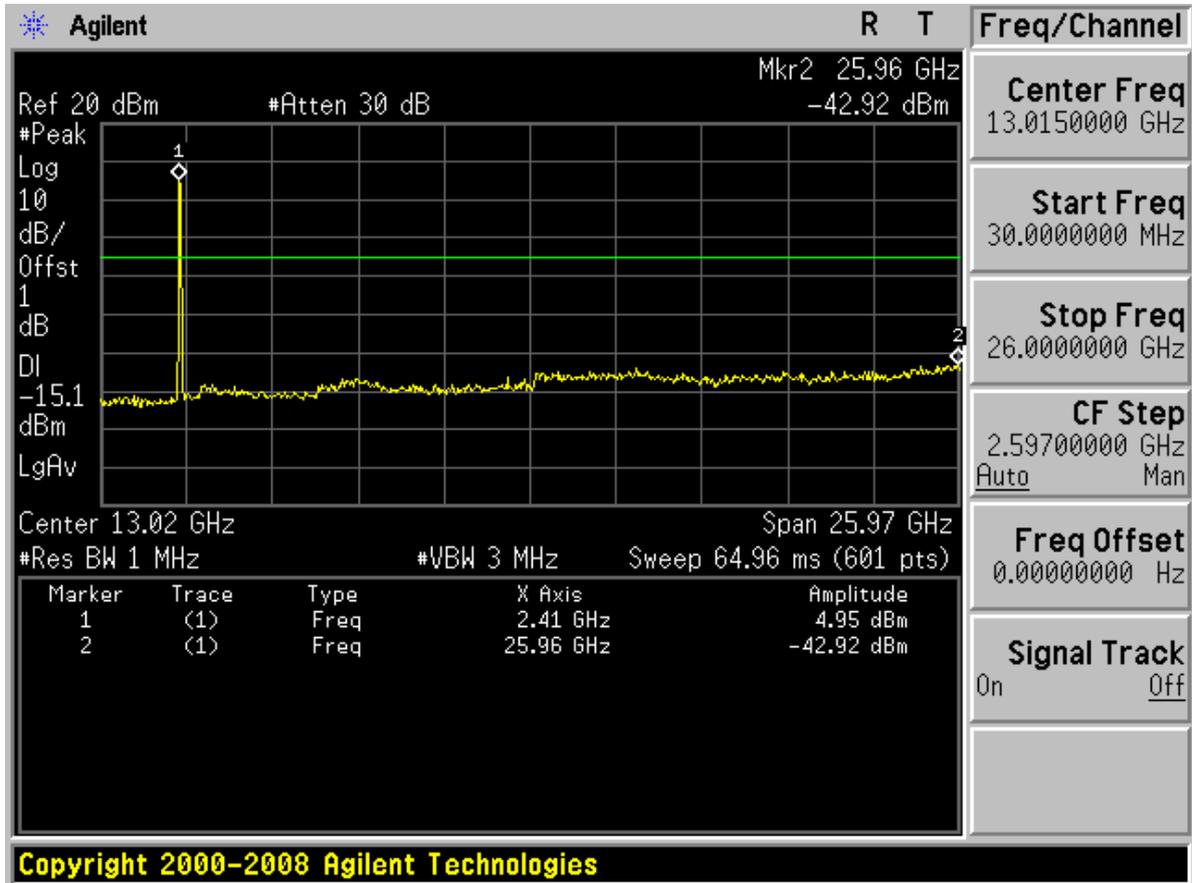


## Chain 2



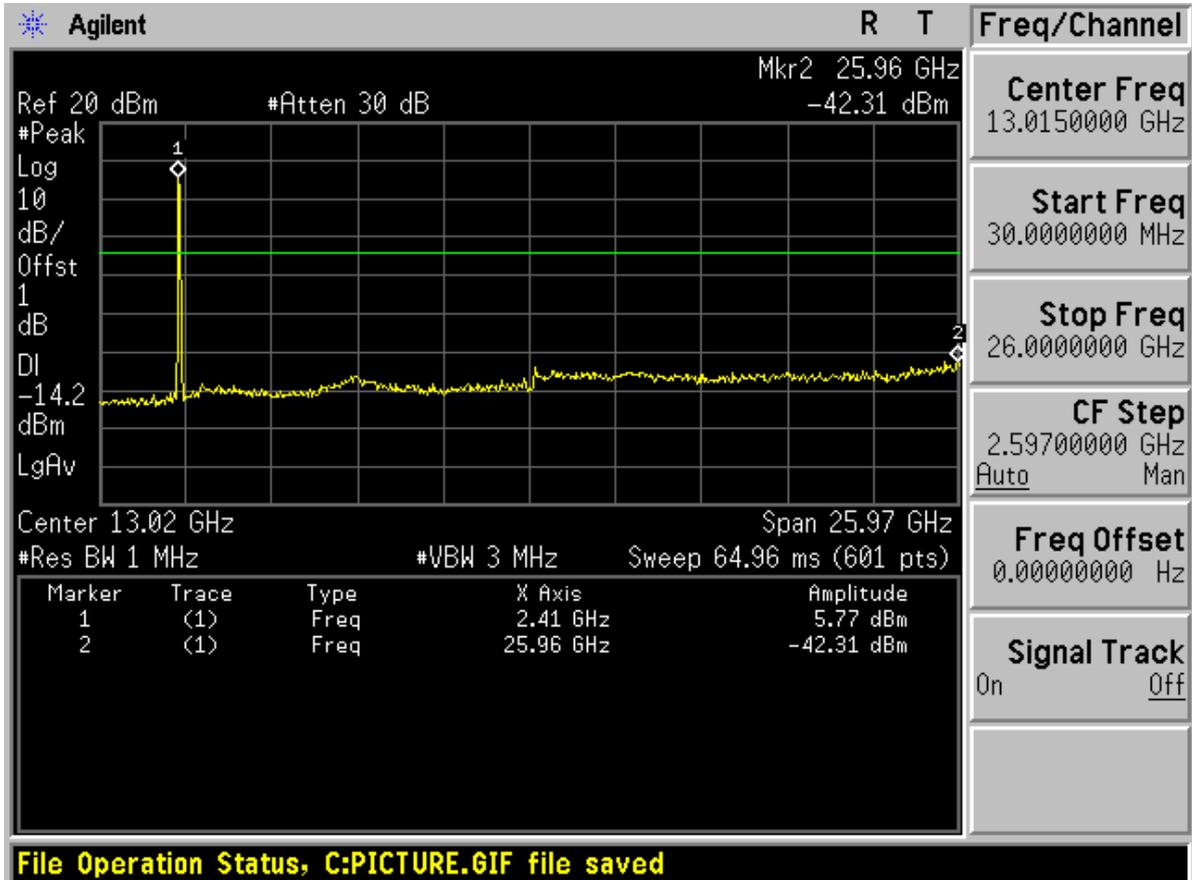


# 30M~26G TM6\_03 Chain 1



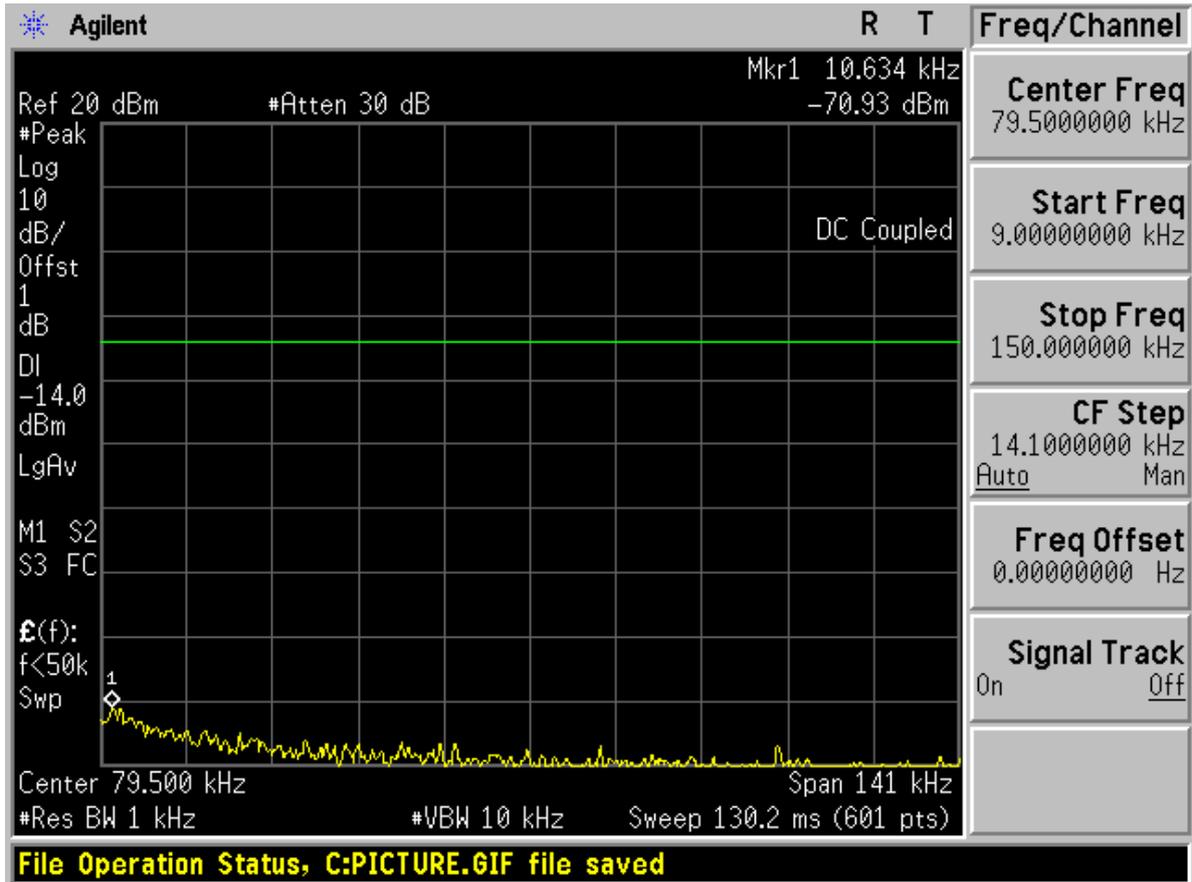


## Chain 2



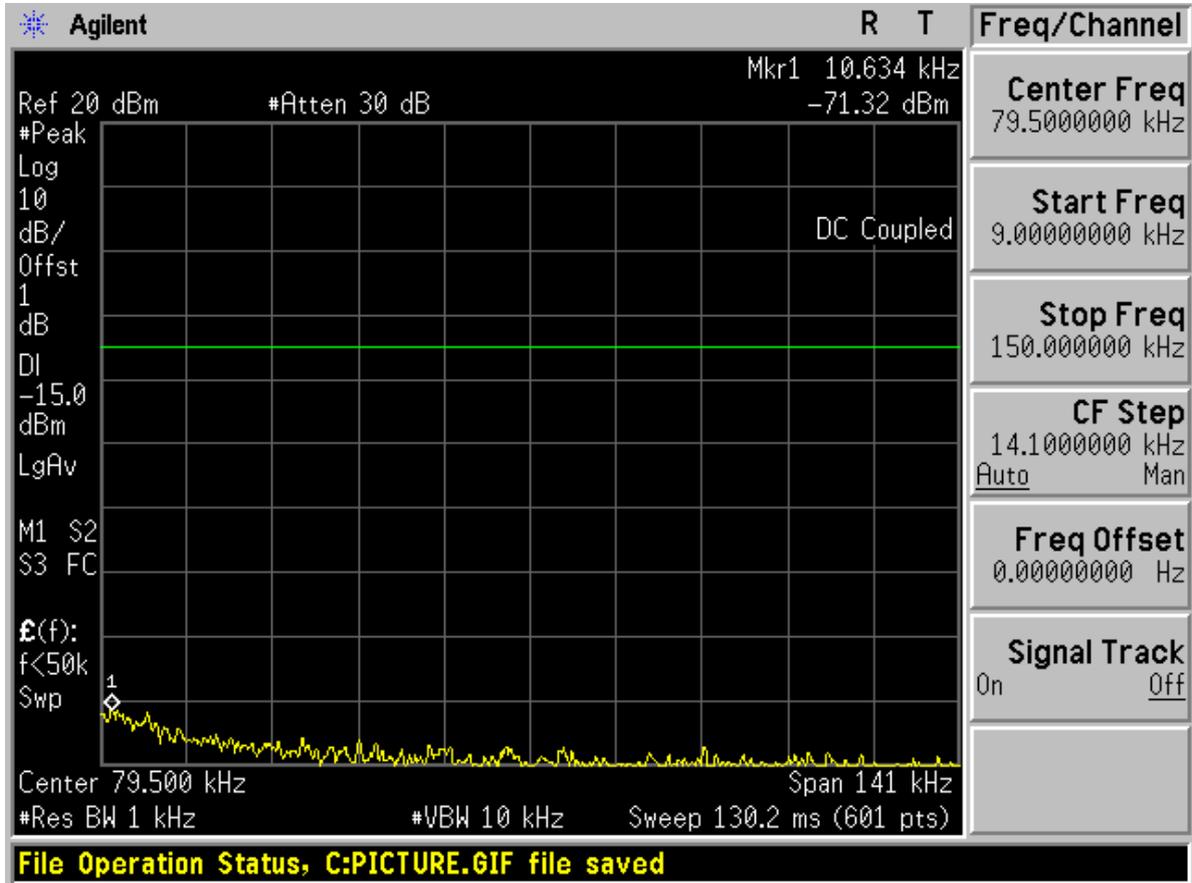


# Channel 06 9K~150K TM6\_06 Chain 1



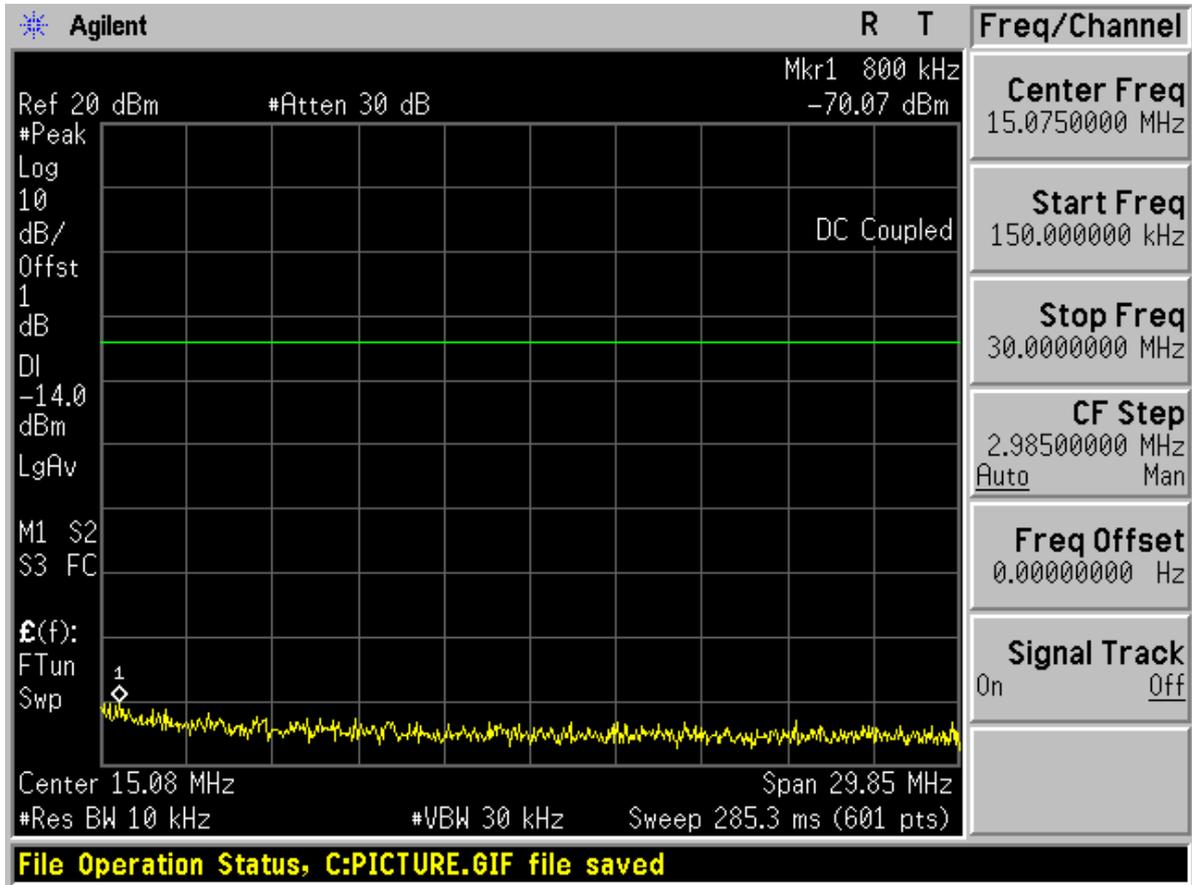


## Chain 2



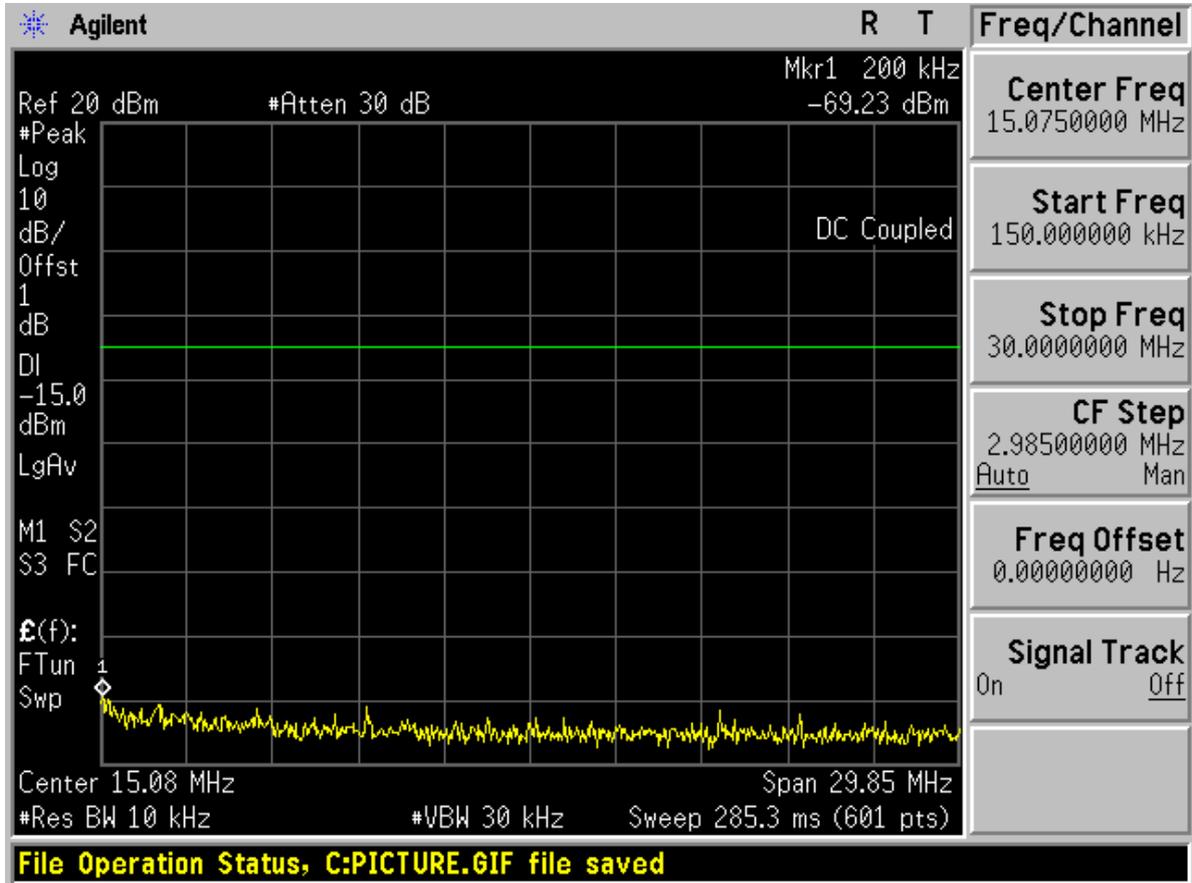


# 150K~30M TM6\_06 Chain 1



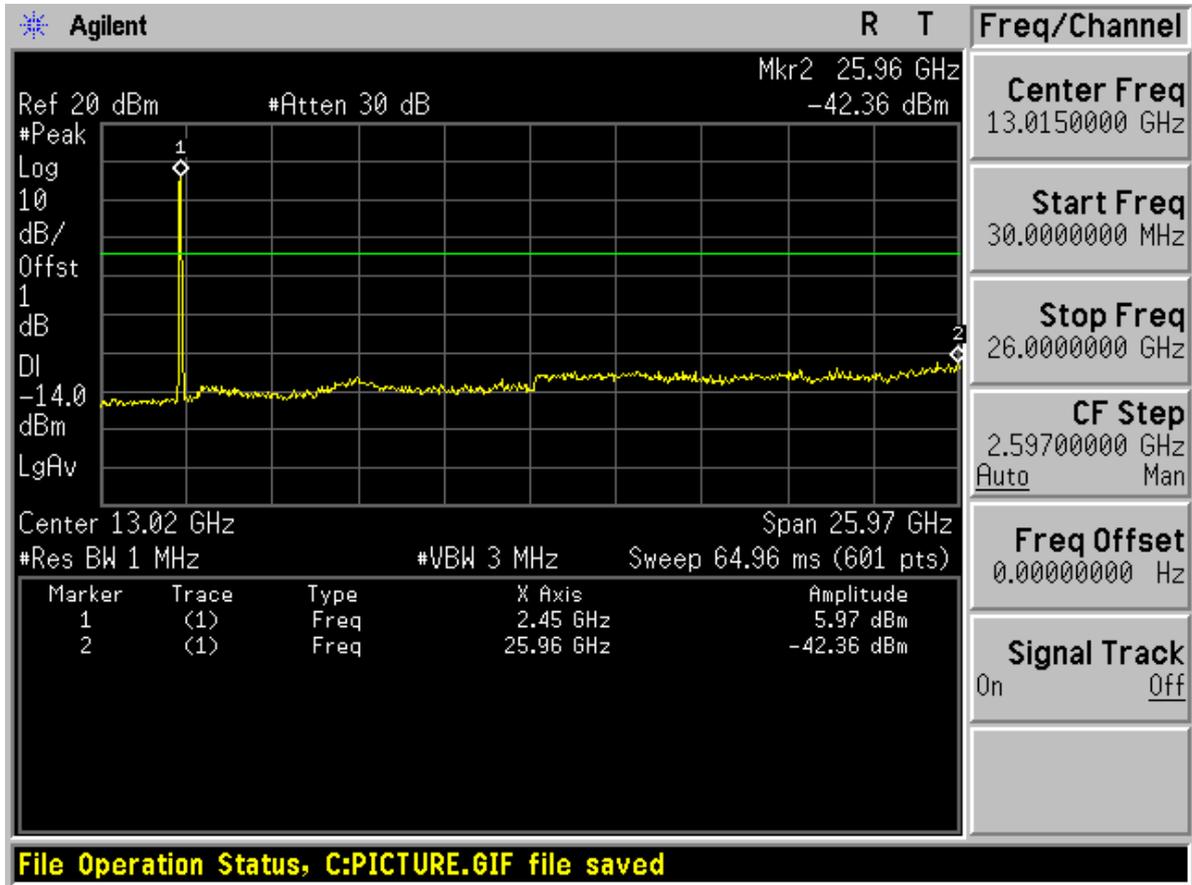


## Chain 2





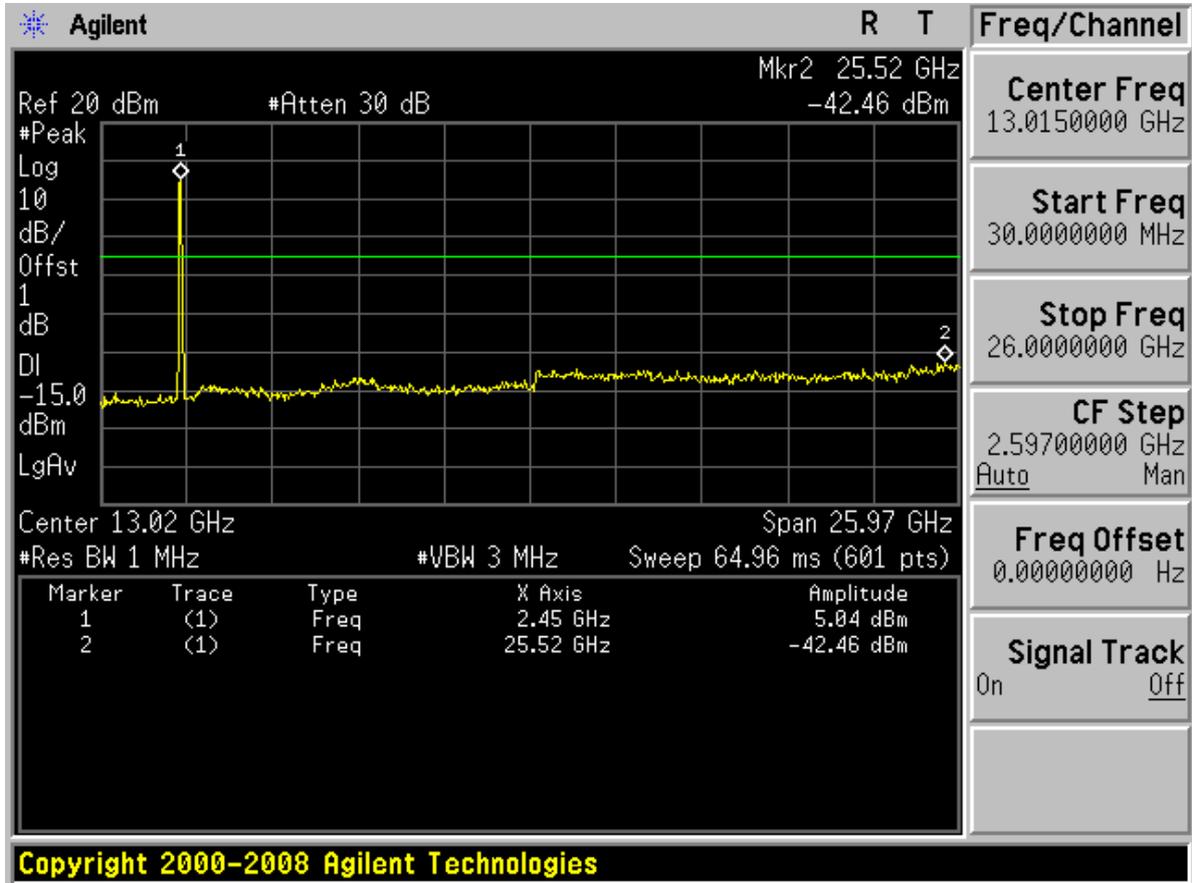
# 30M~26G TM6\_06 Chain 1



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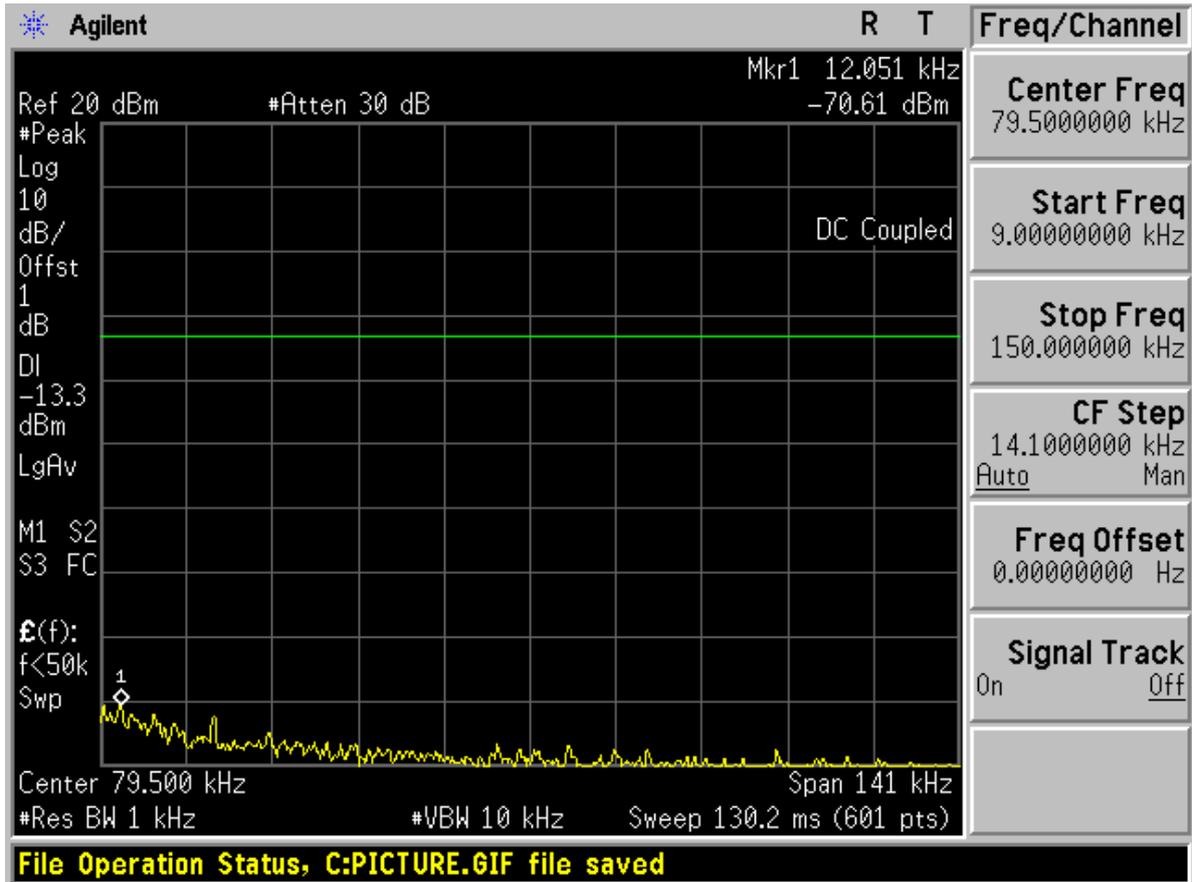


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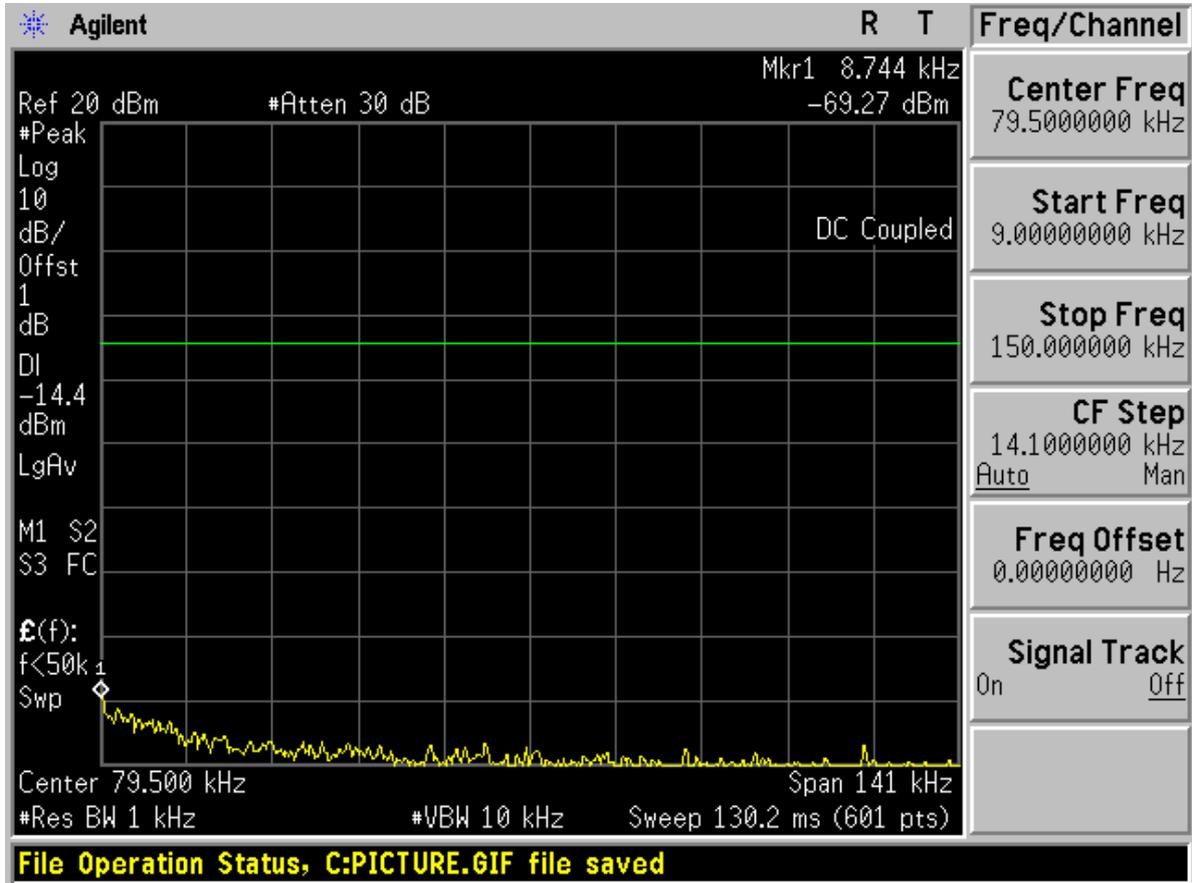


# Channel 09 9K~150K TM6\_09 Chain 1



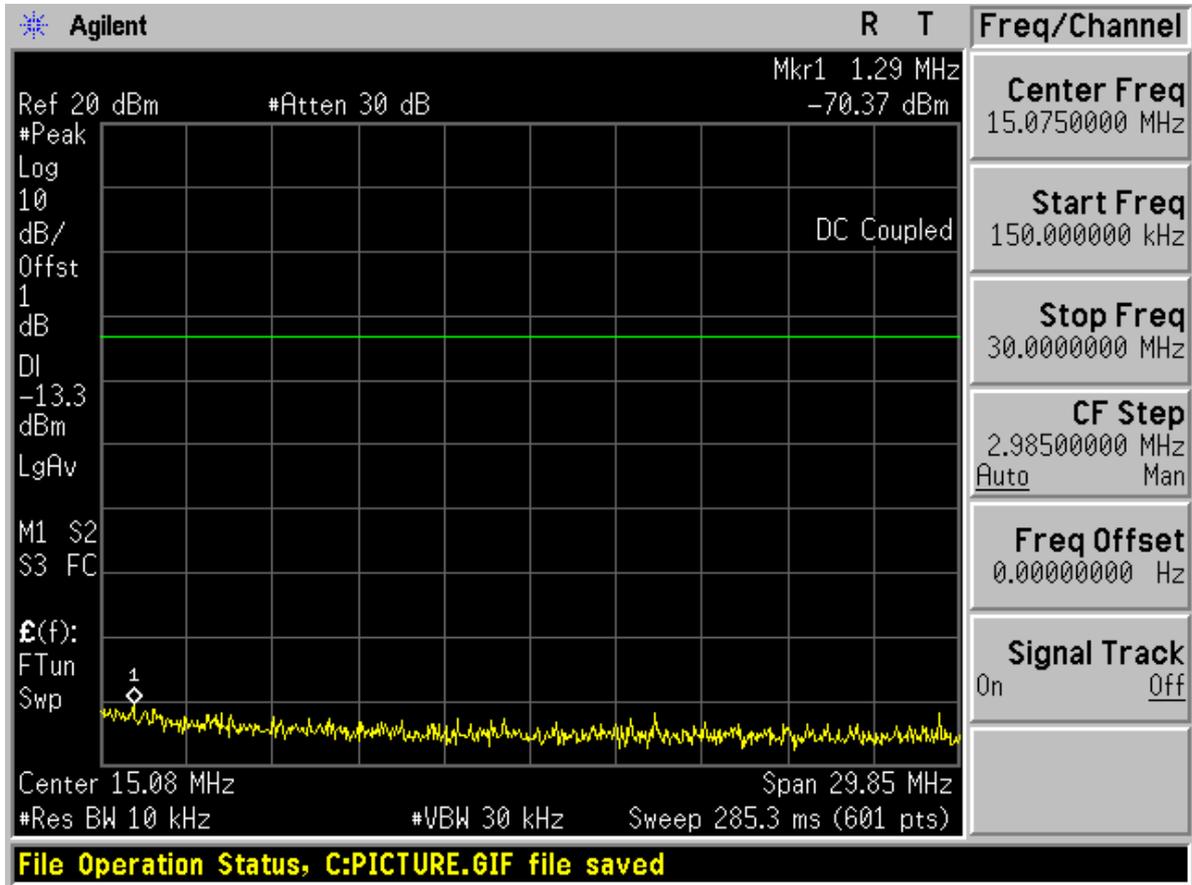


## Chain 2



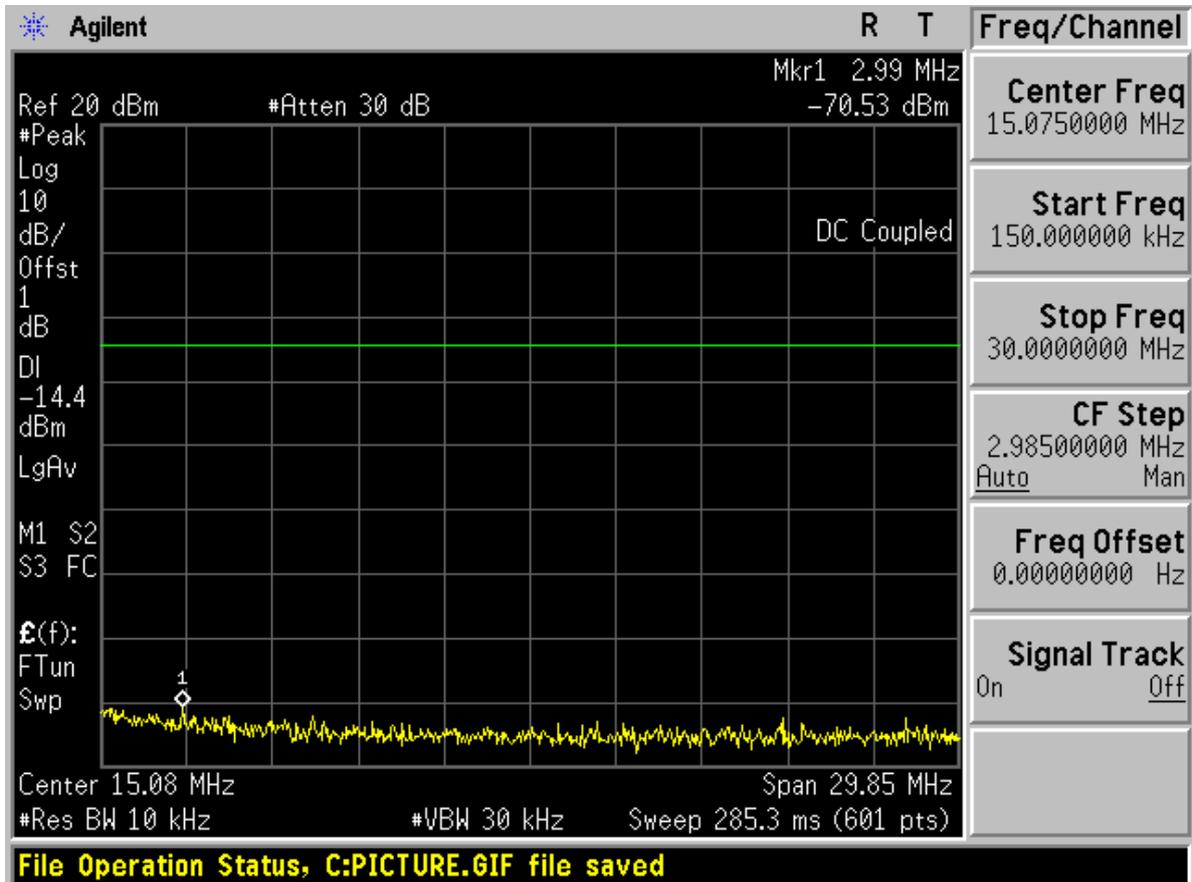


# 150K~30M TM6\_09 Chain 1



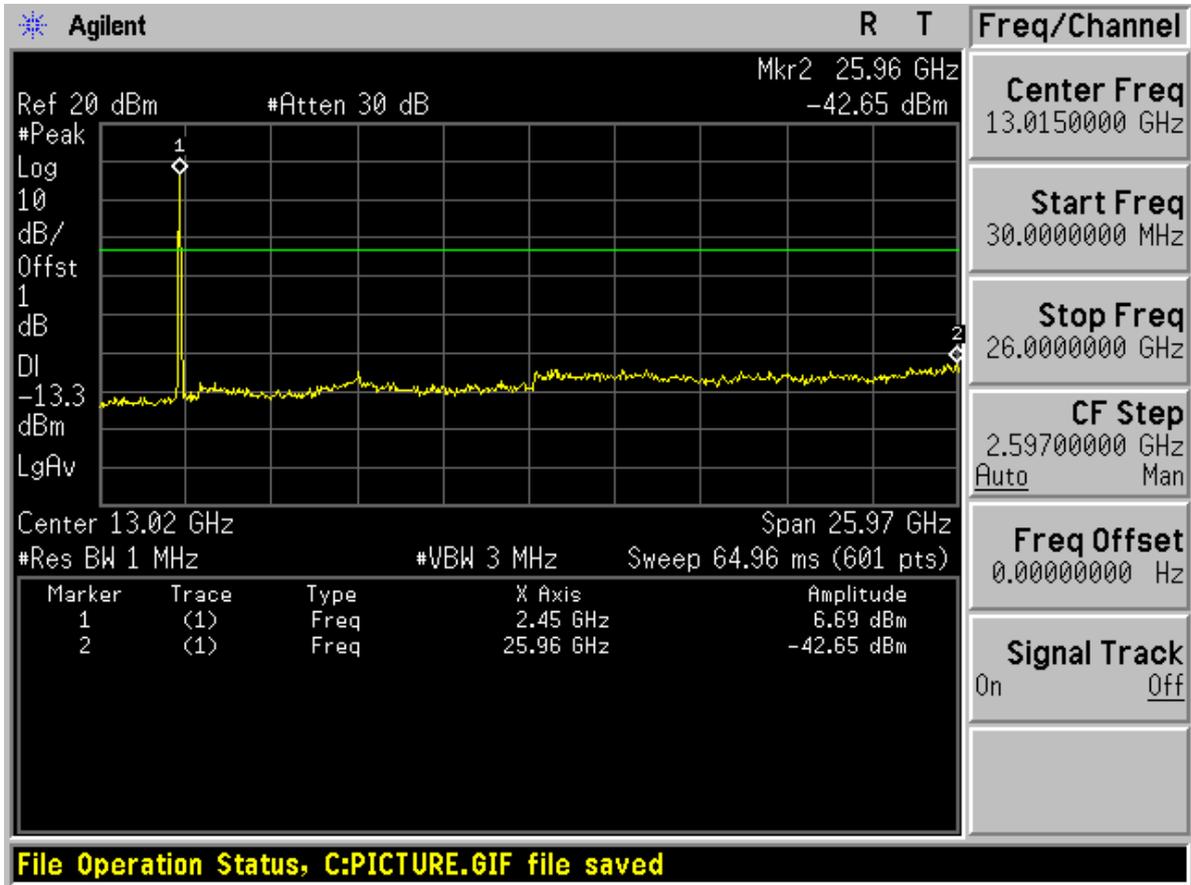


## Chain 2



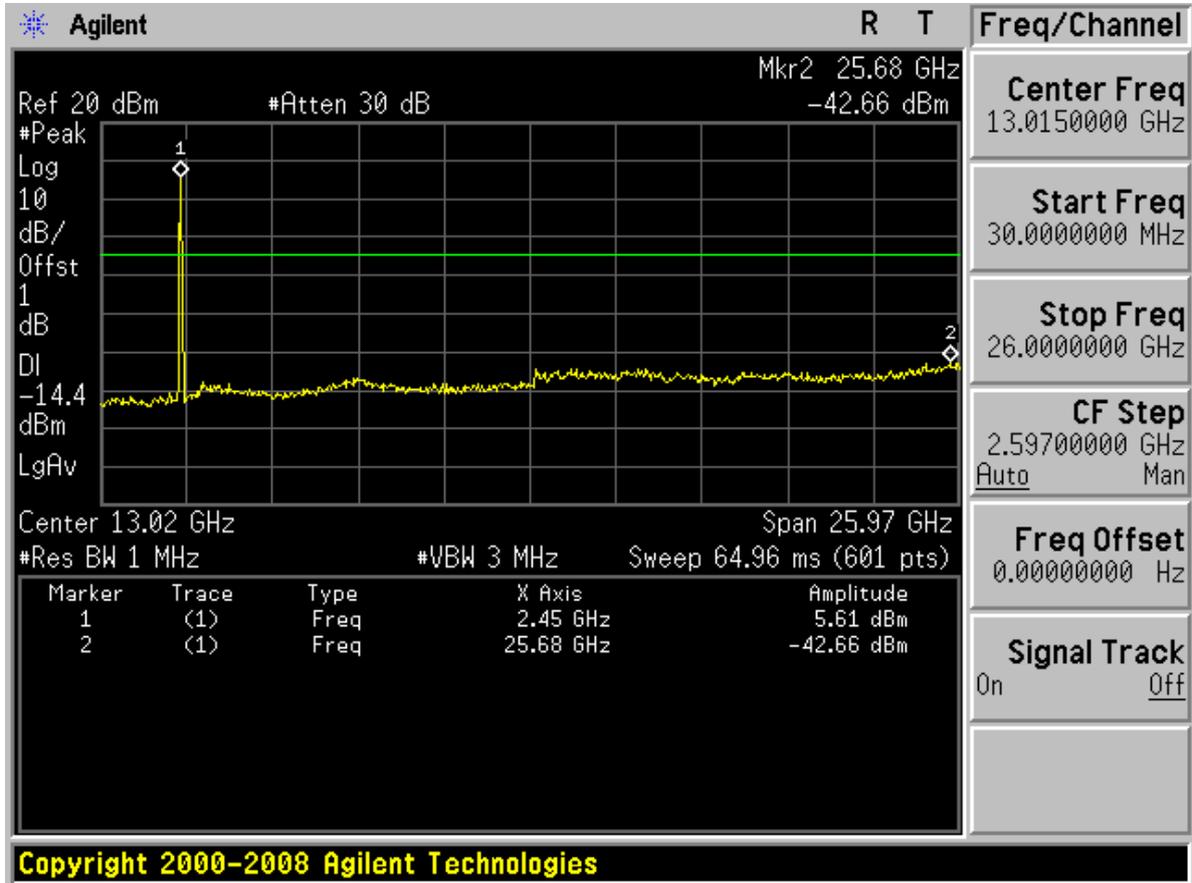


# 30M~26G TM6\_09 Chain 1





## Chain 2



-----The END-----



FCC Test Report of B593u-12  
FCC ID: QISB593U-12

Security Level:  
Public

# **Appendix E**

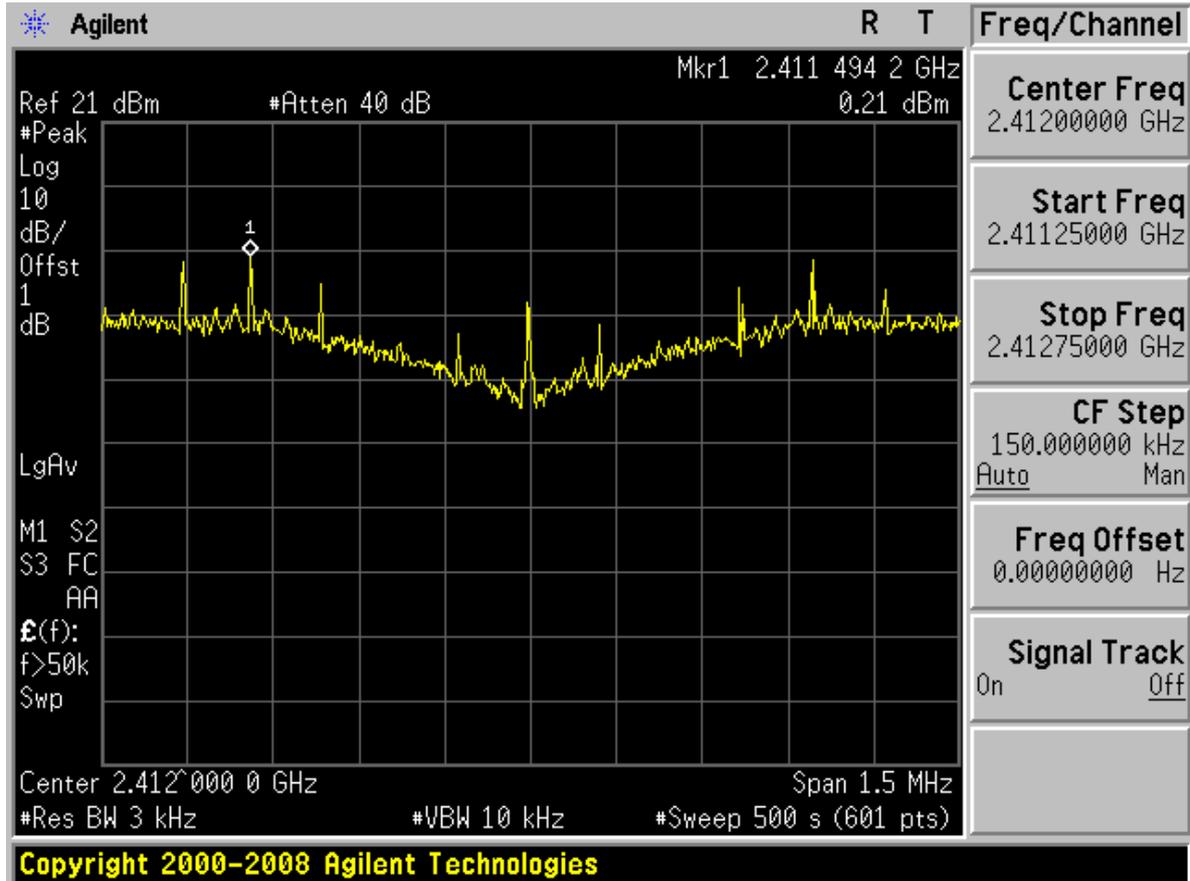
## Power spectral density

According to FCC Part 15.247 (e)



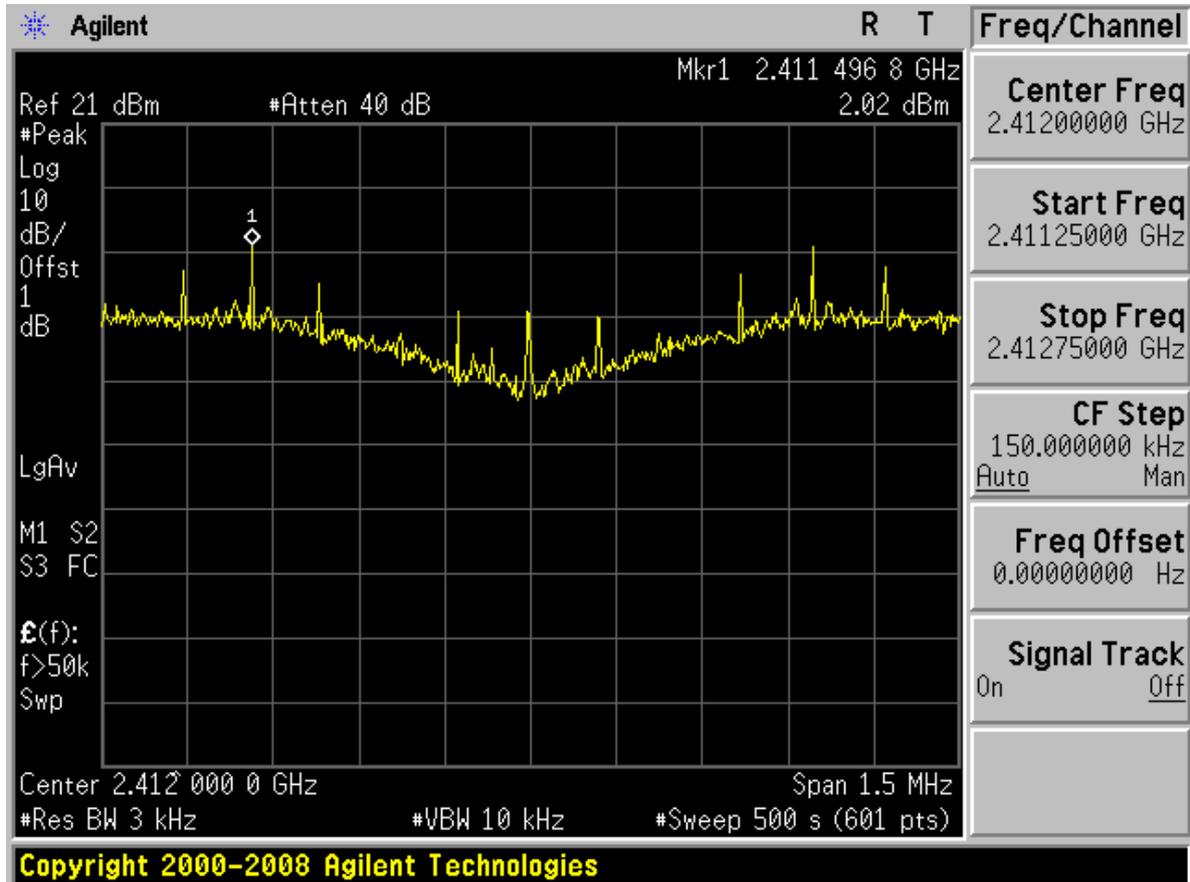
# TM1 Chain 1&2 Channel 01

## Chain 1



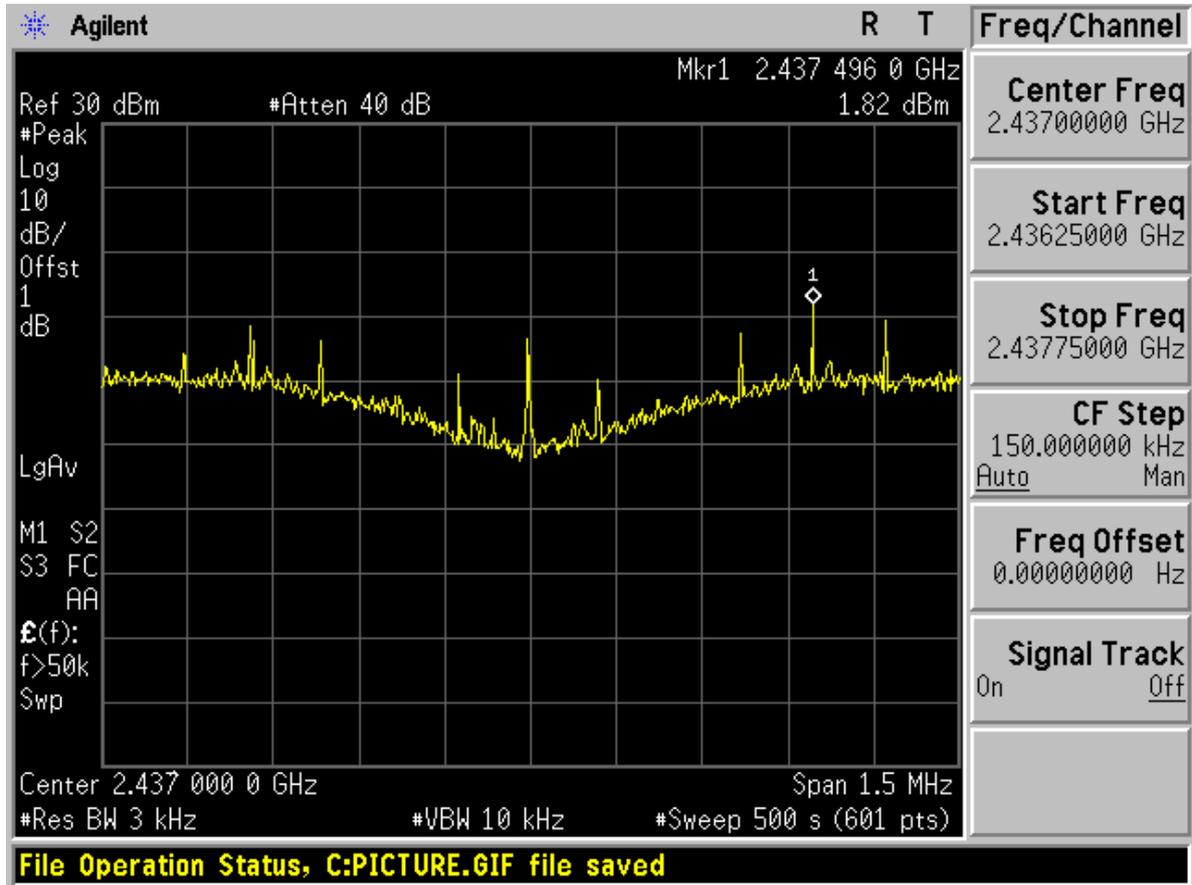


## Chain 2



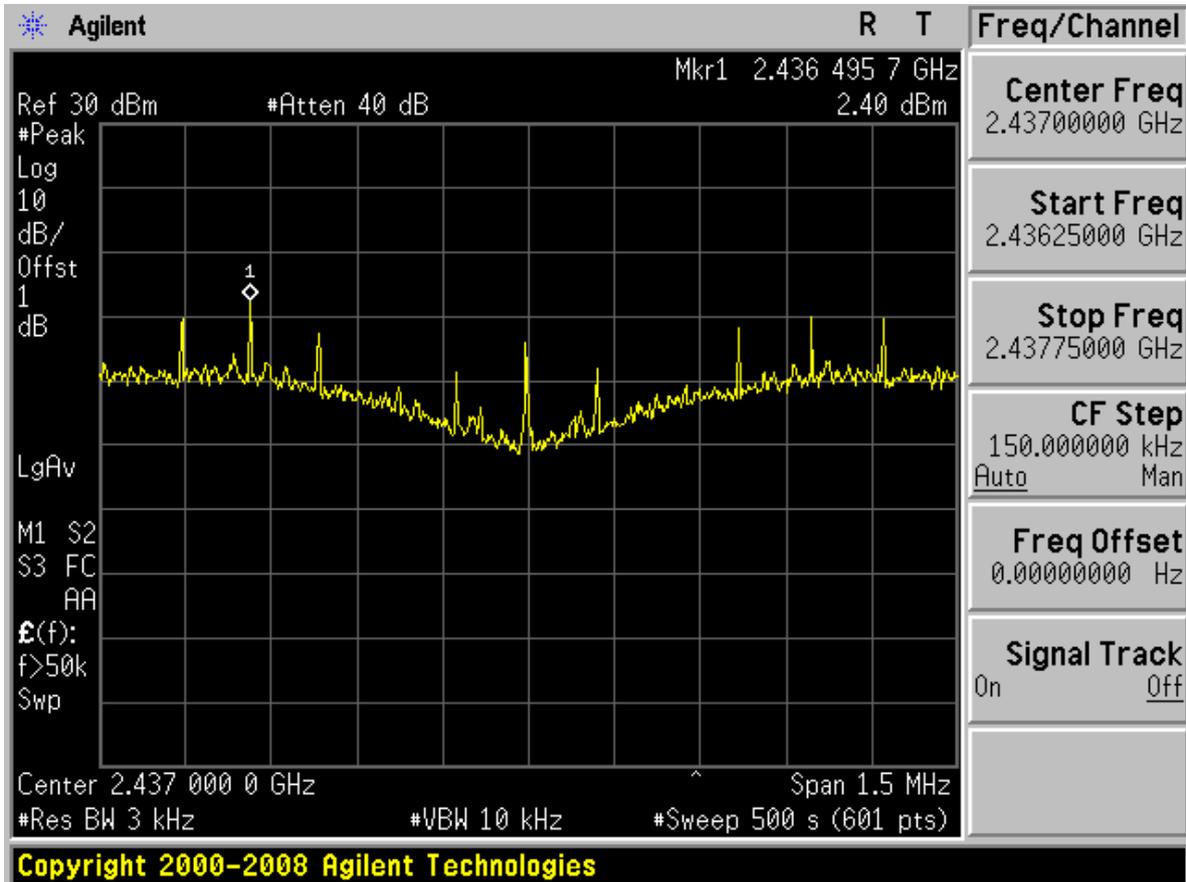


# Channel 06 Chain 1



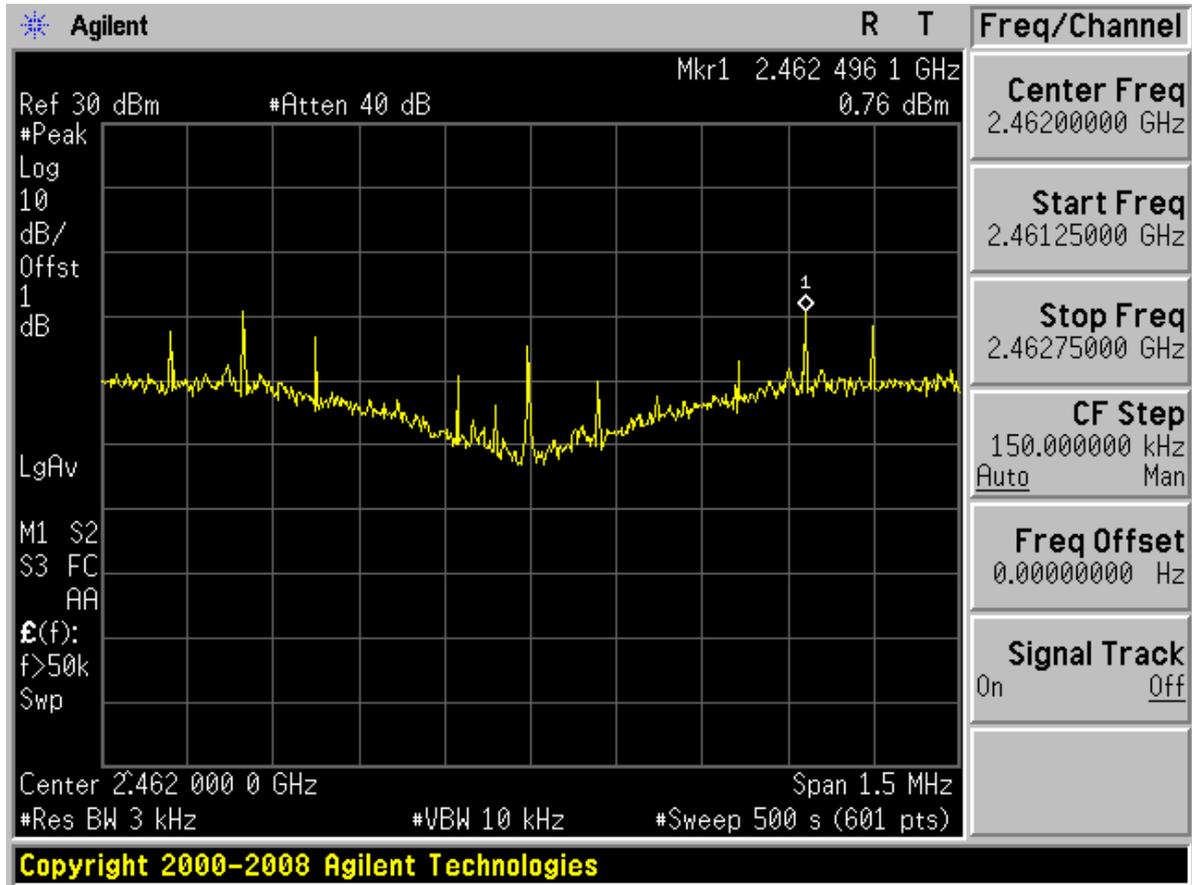


## Chain 2



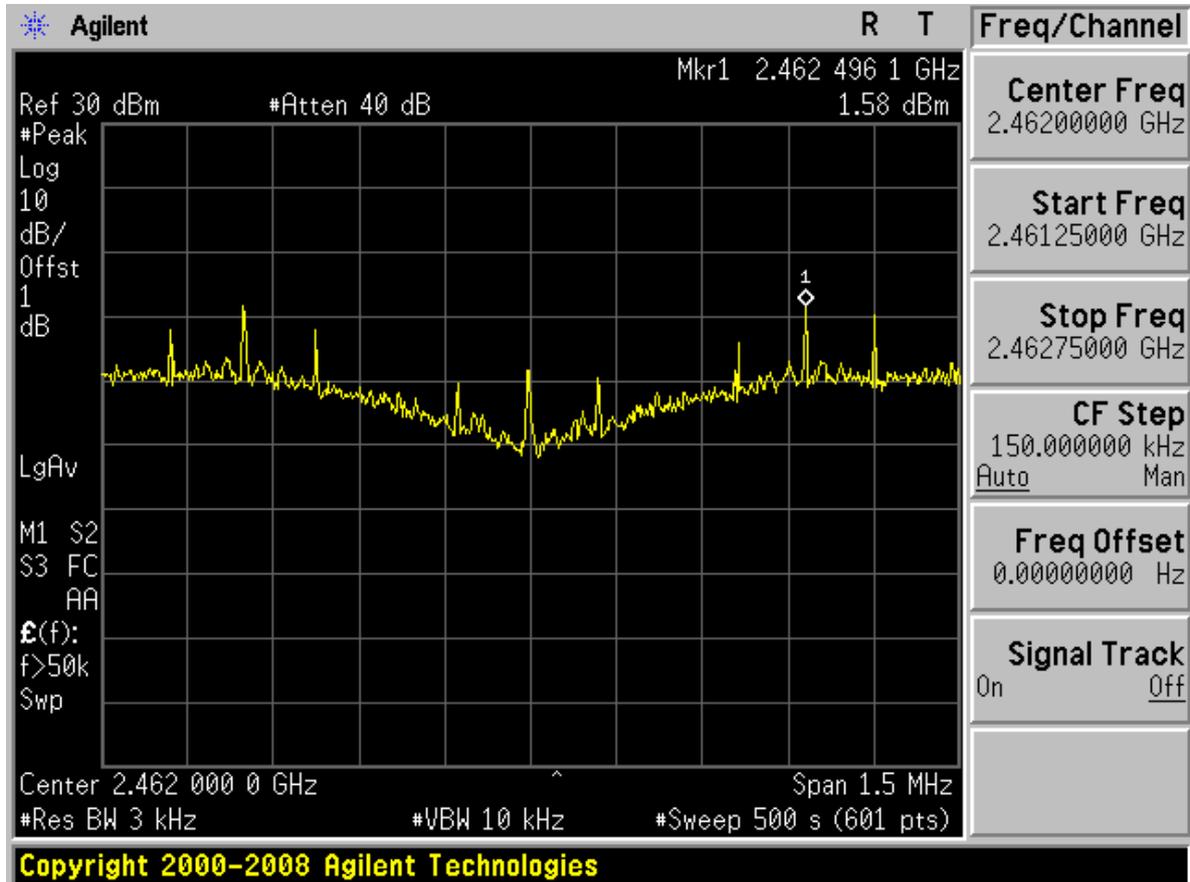


# Channel 11 Chain 1



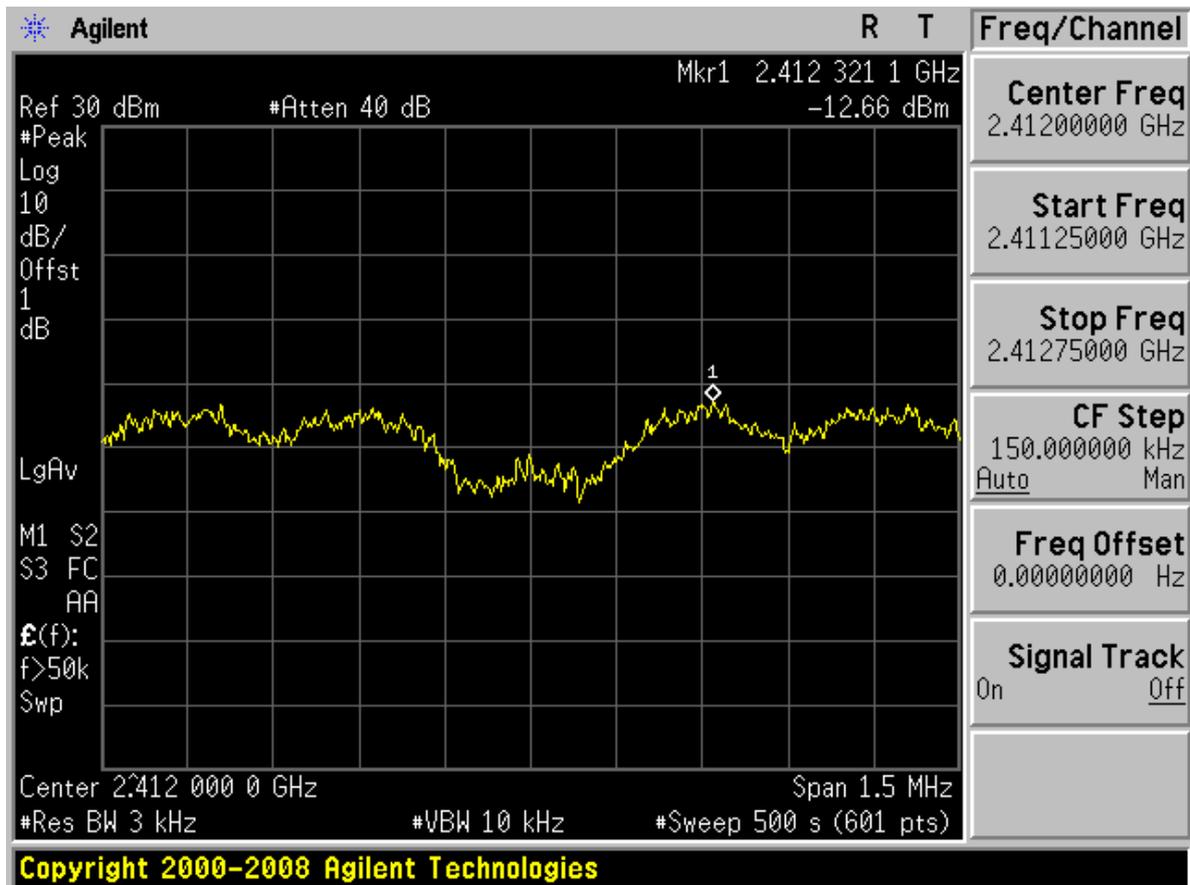


## Chain 2



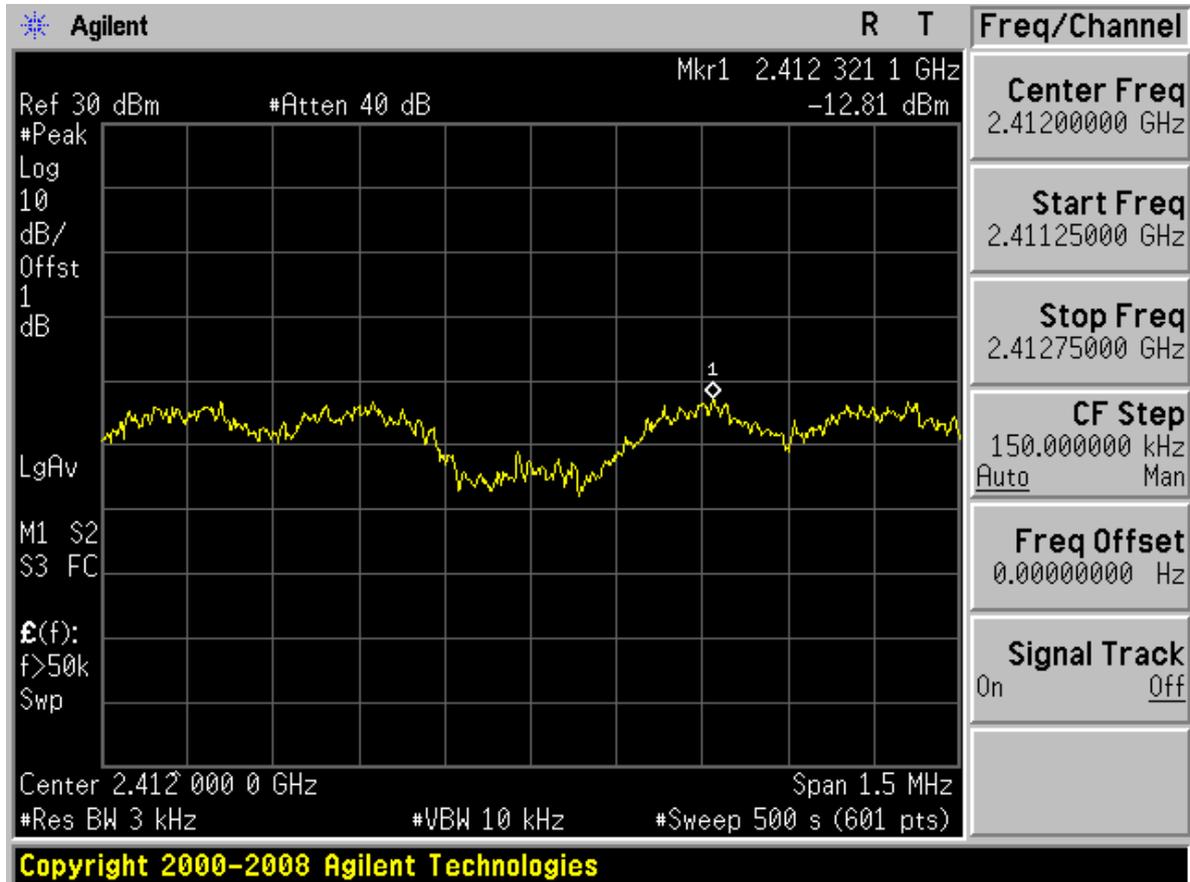


# TM2 Chain 1&2 Channel 01 Chain 1





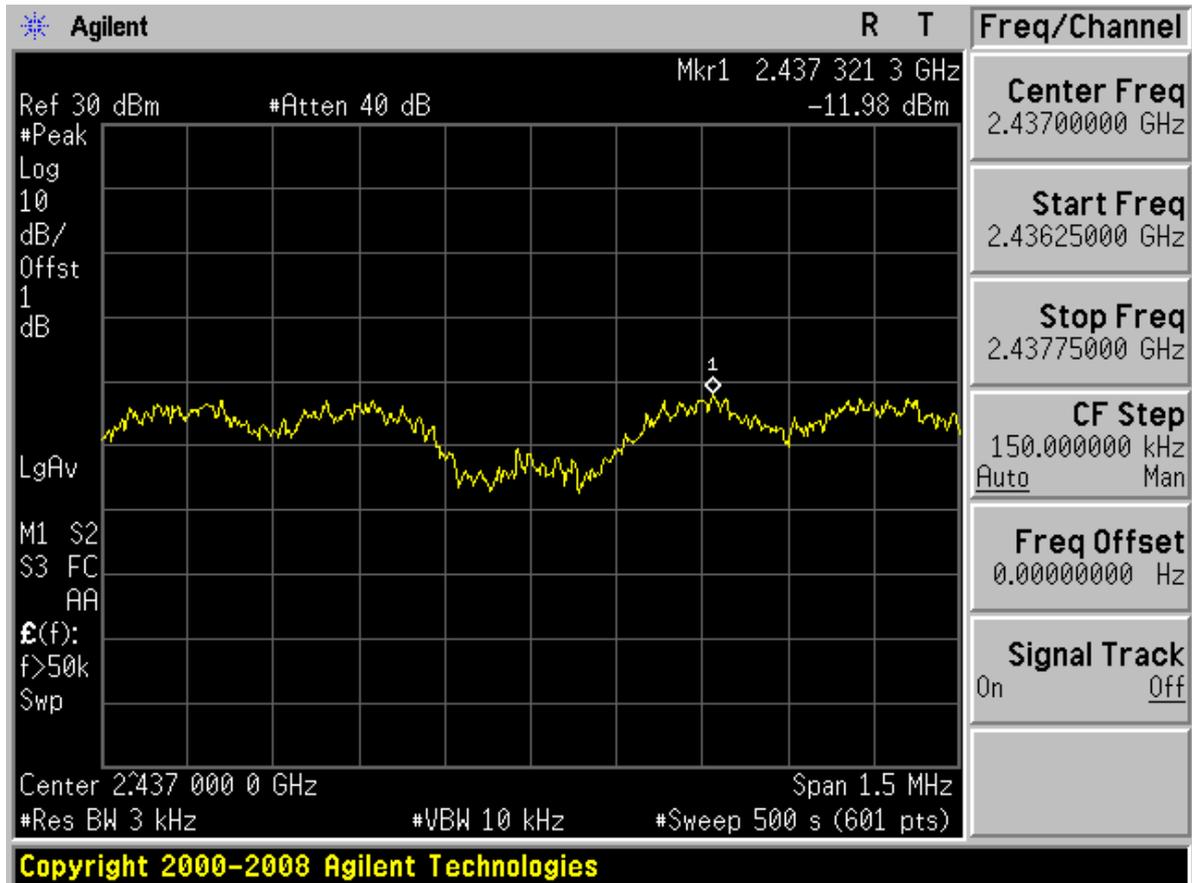
## Chain 2





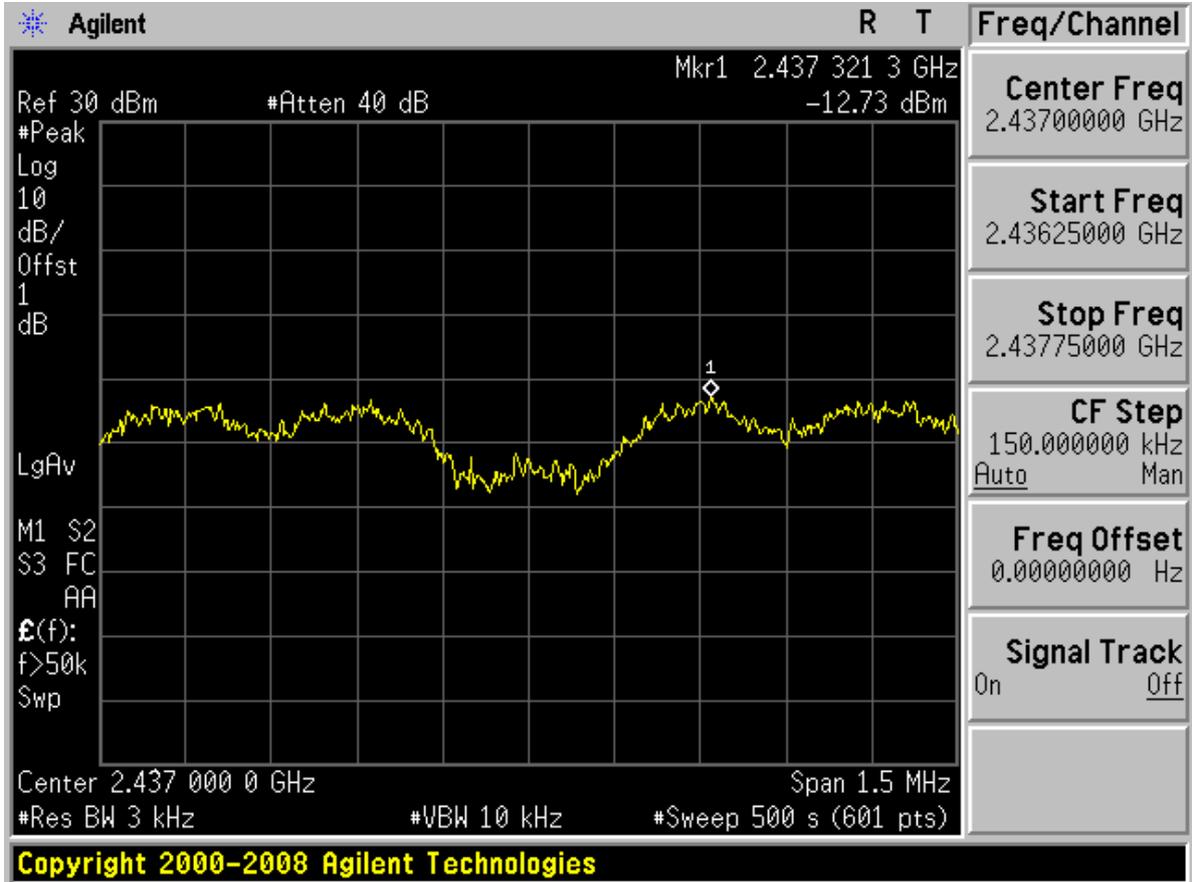
# Channel 06

## Chain 1





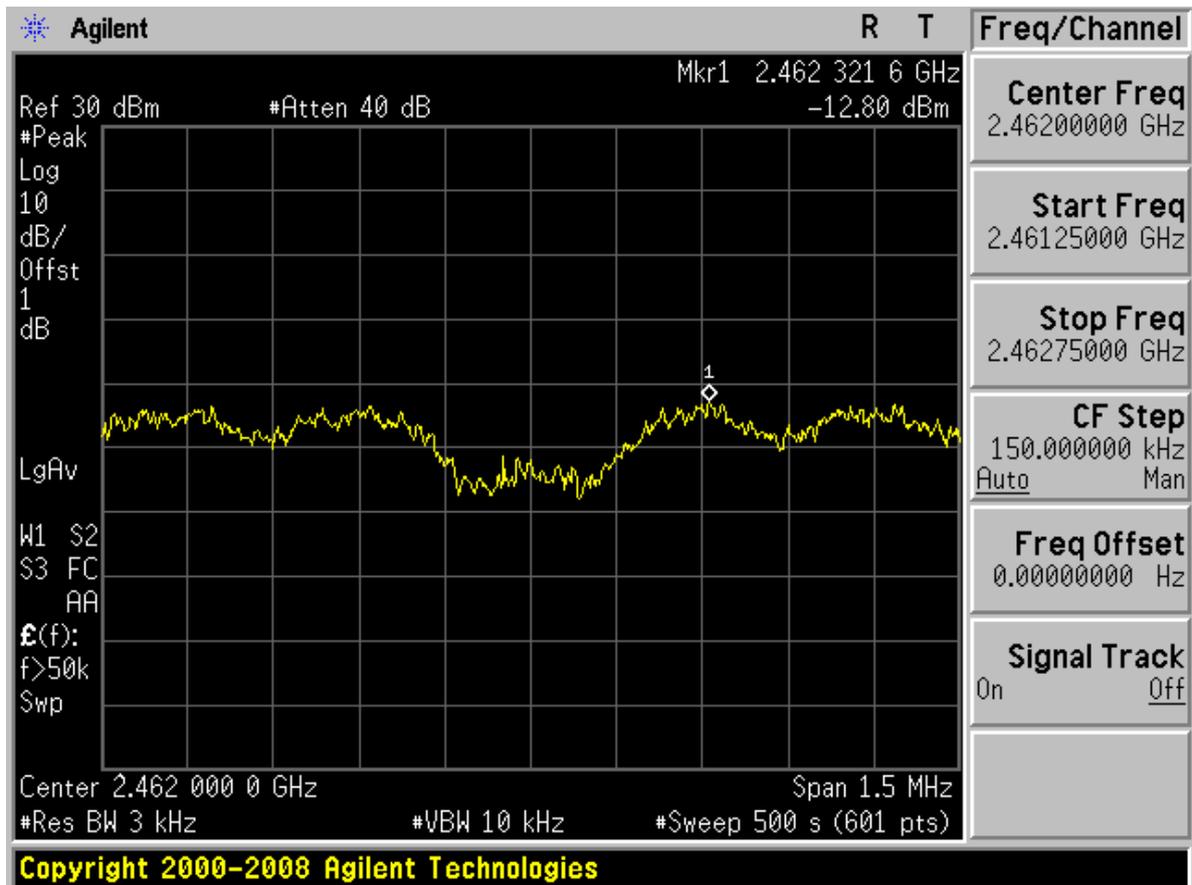
## Chain 2





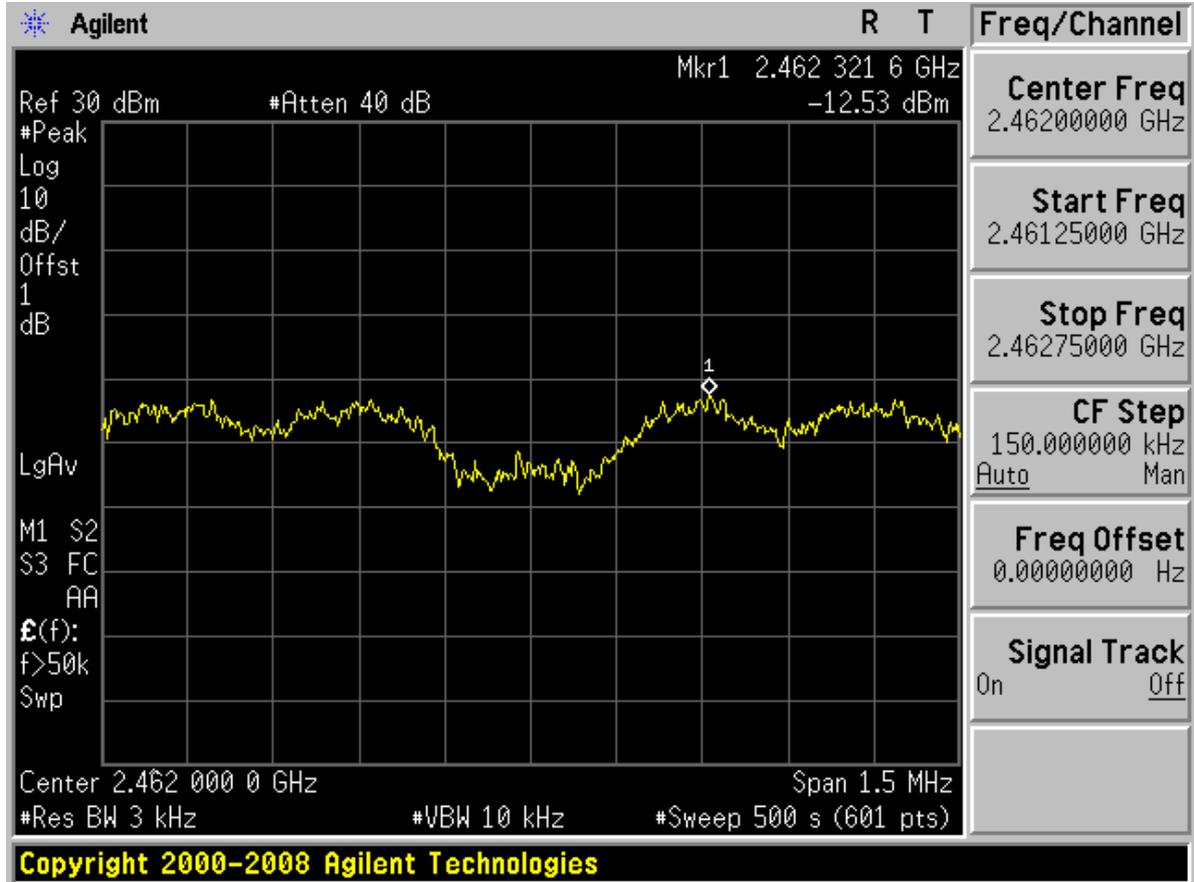
# Channel 11

## Chain 1



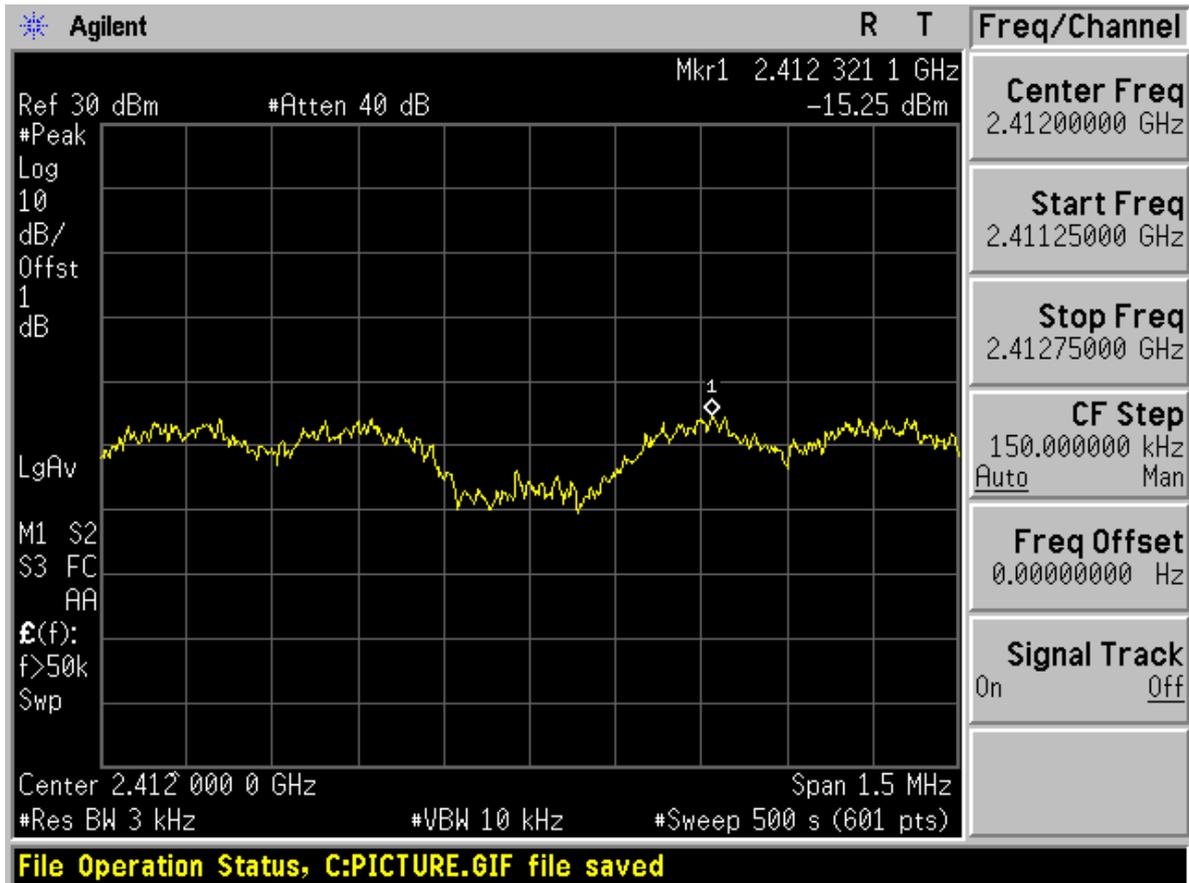


## Chain 2



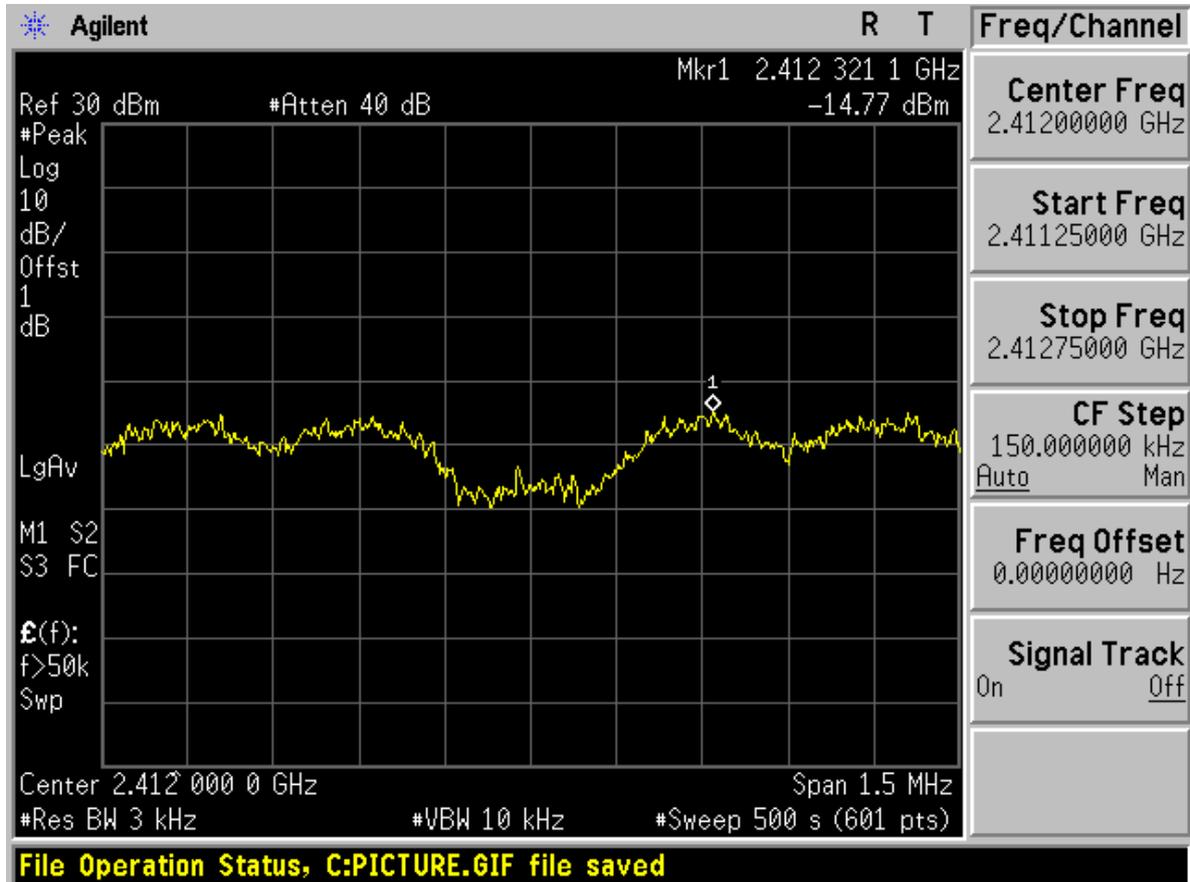


# TM3 Chain 1&2 Channel 01 Chain 1



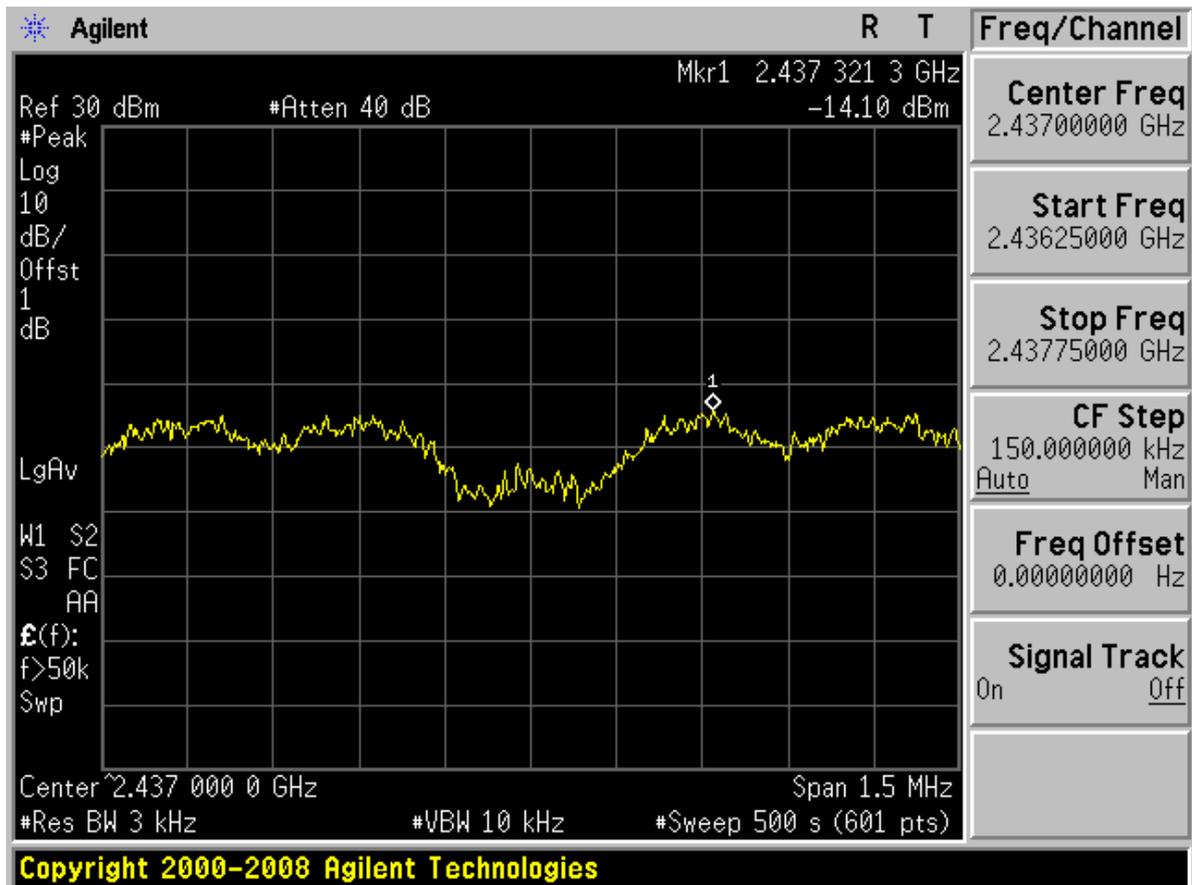


## Chain 2



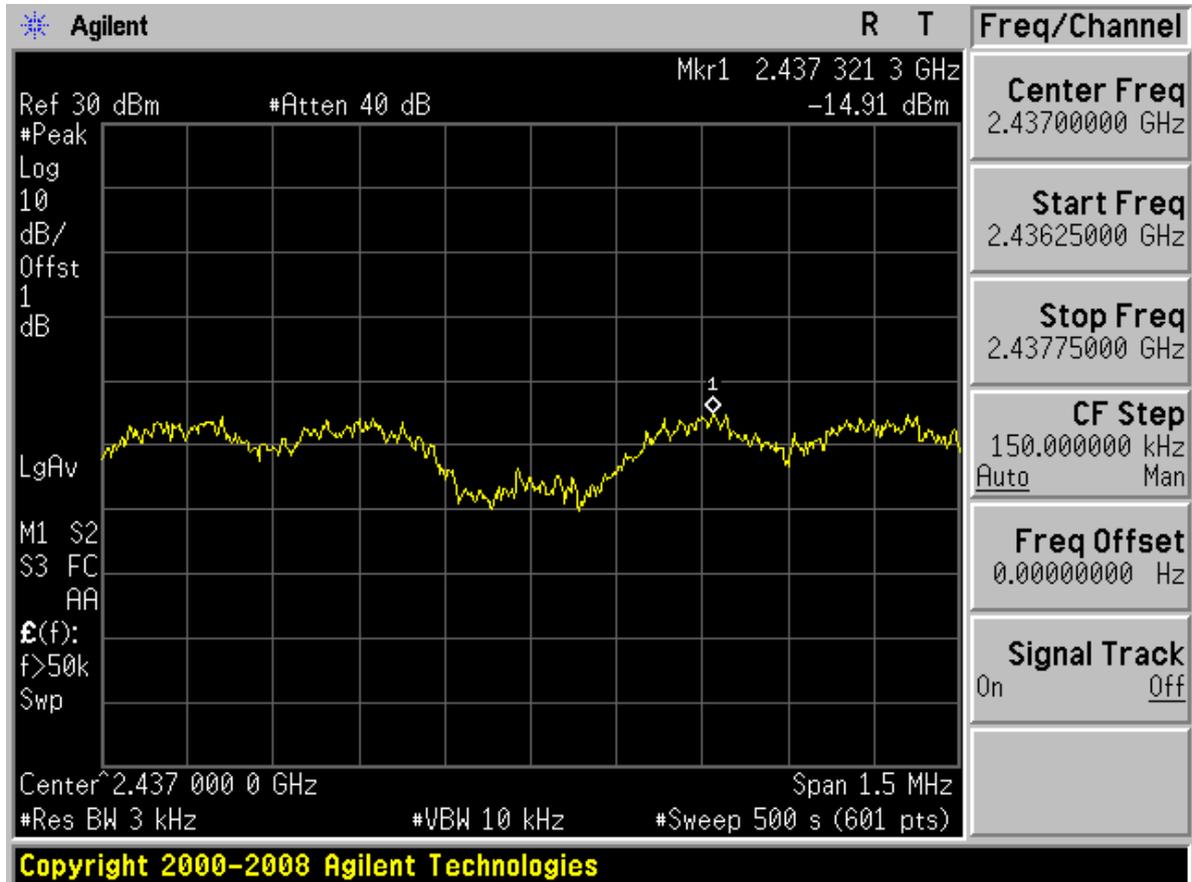


# Channel 06 Chain 1



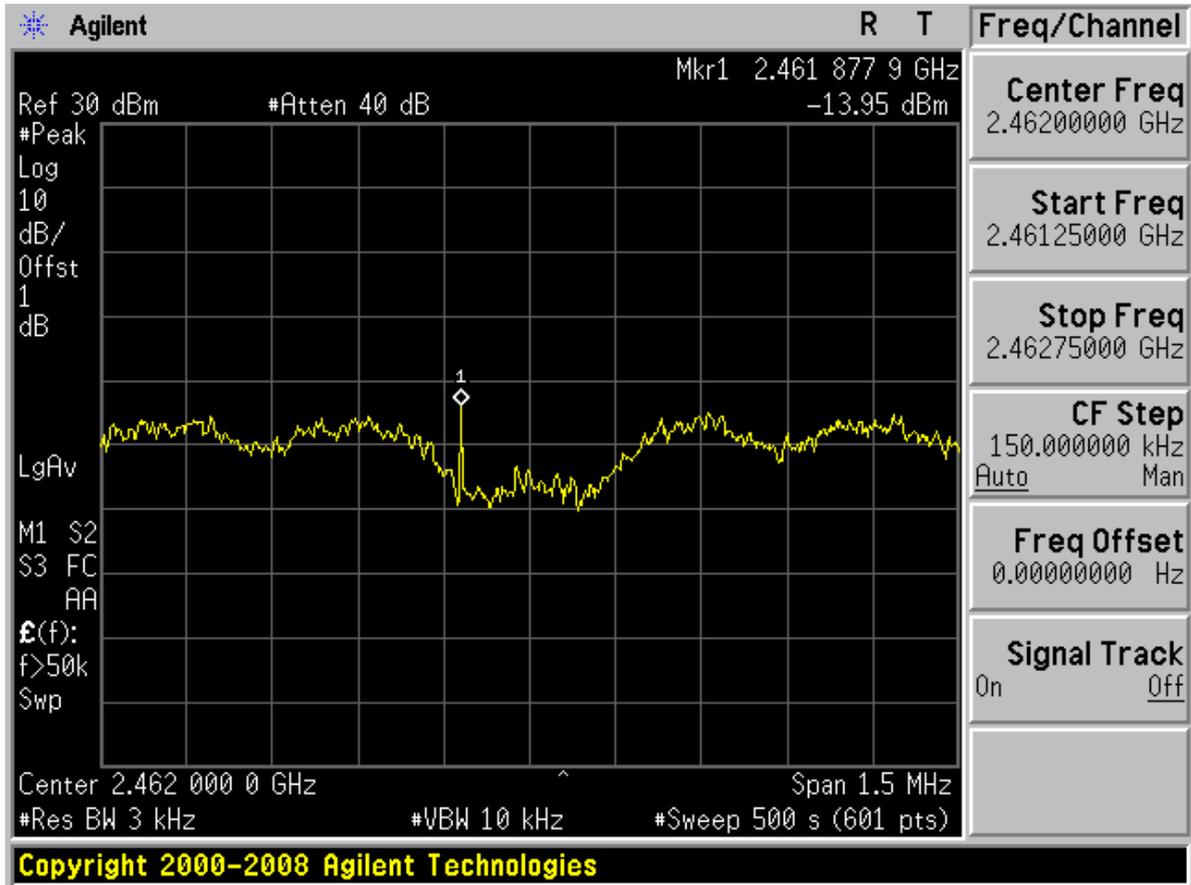


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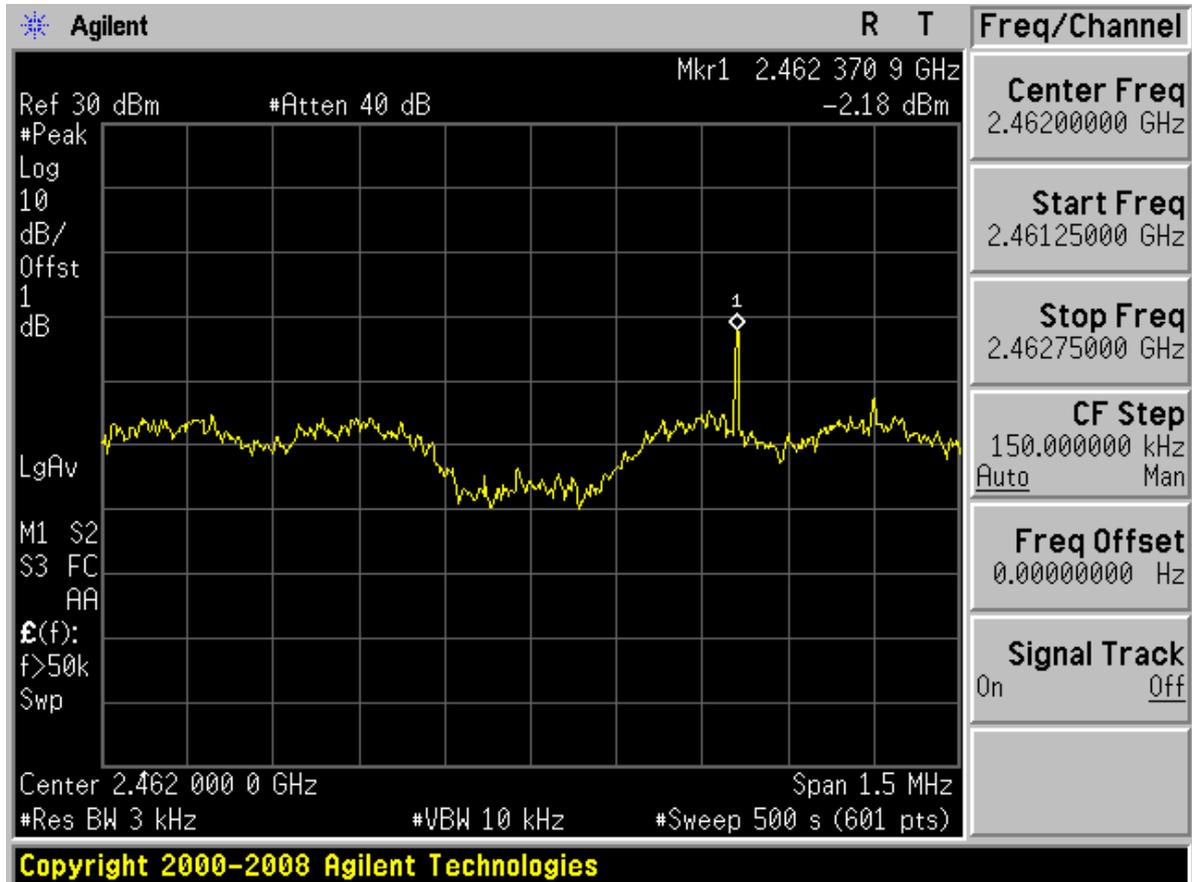


# Channel 11 Chain 1





## Chain 2

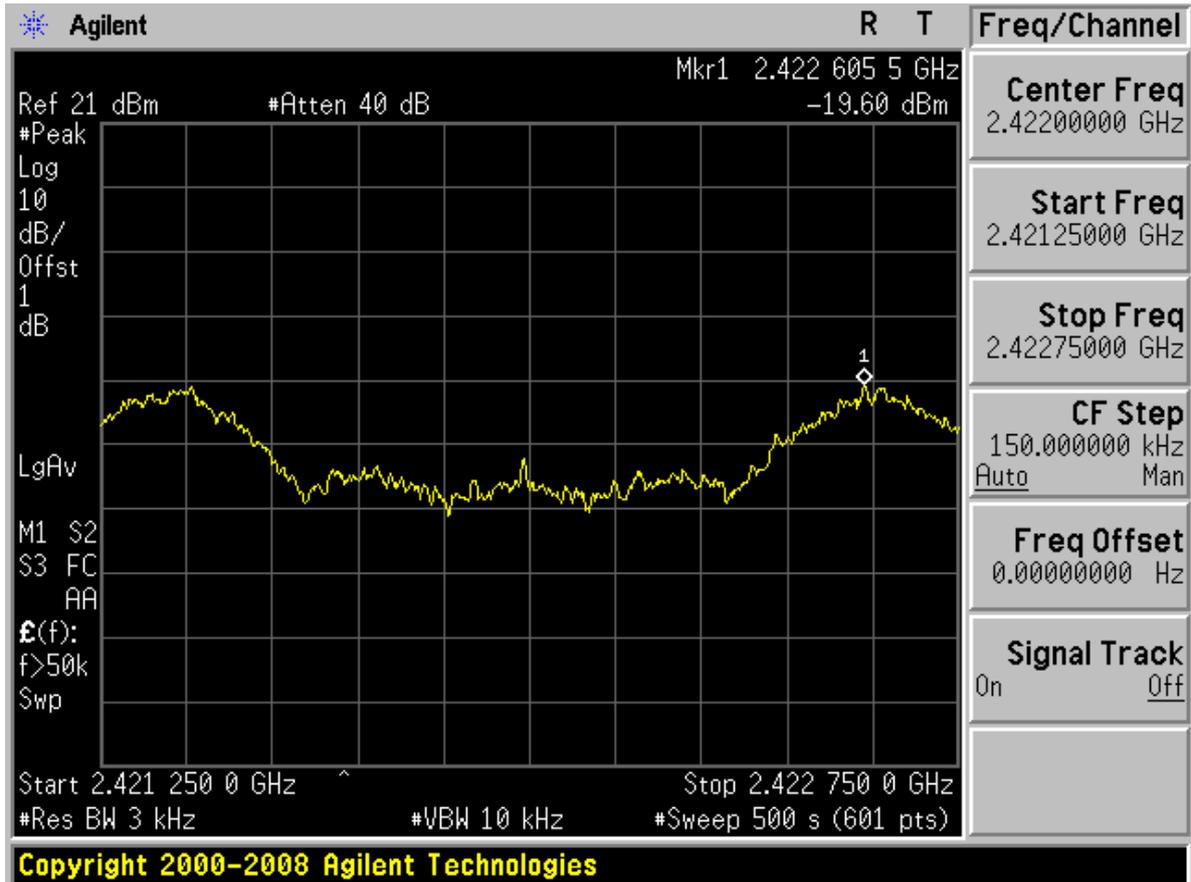




# TM4 Chain 1&2

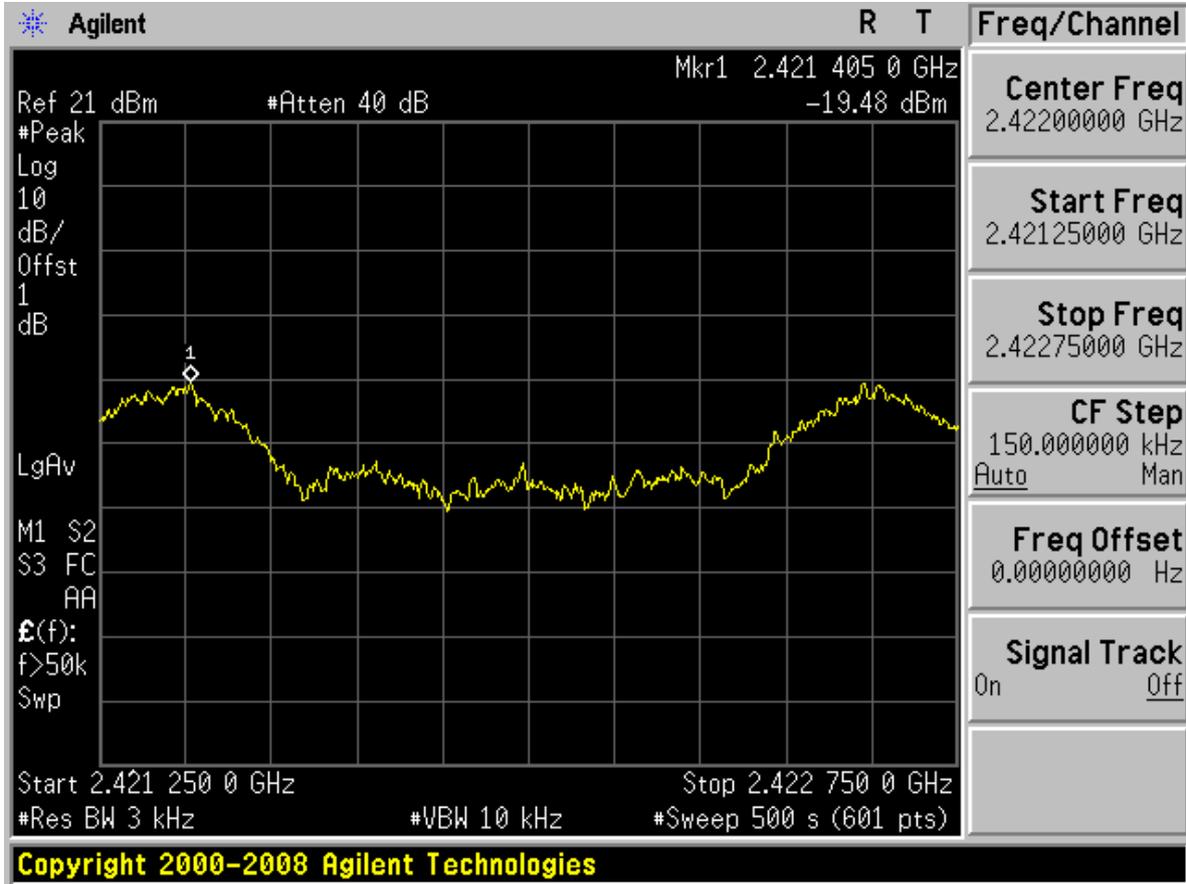
## Channel 03

### Chain 1





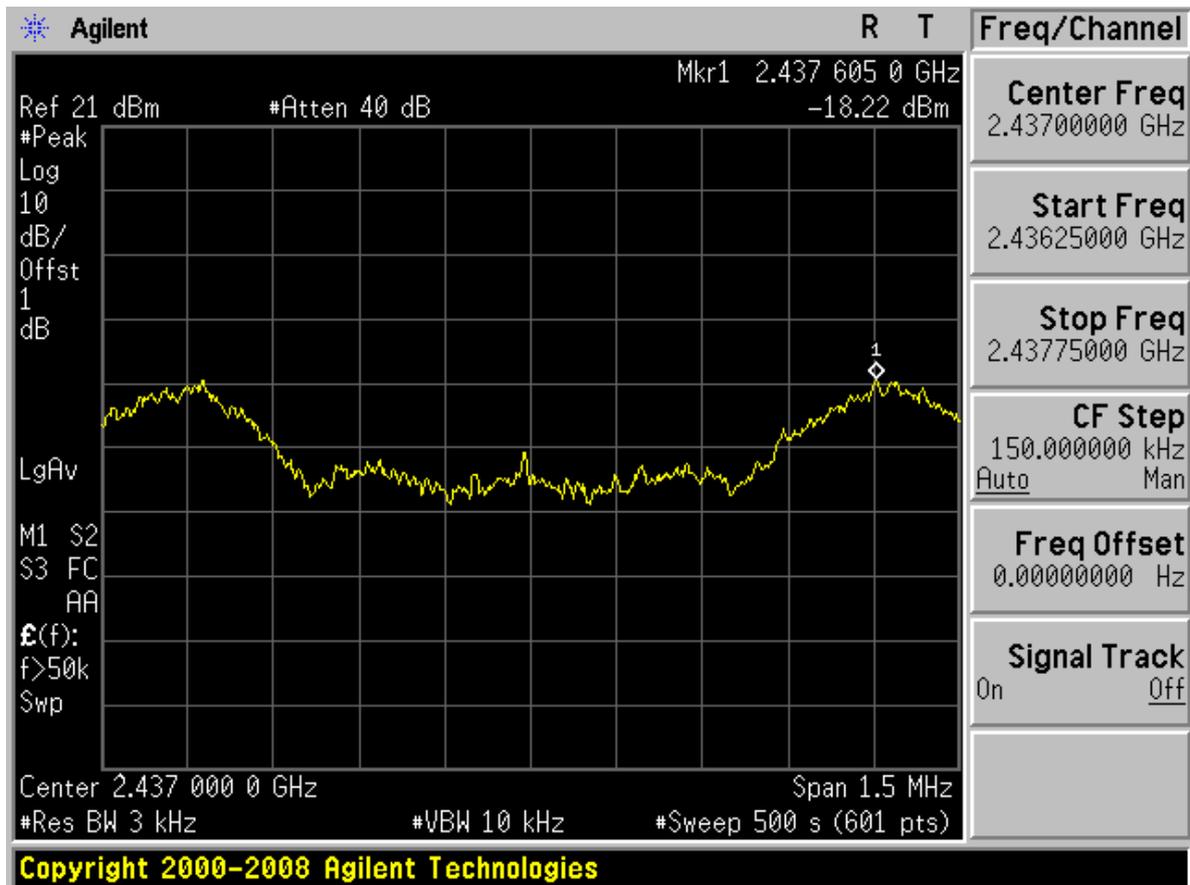
## Chain 2





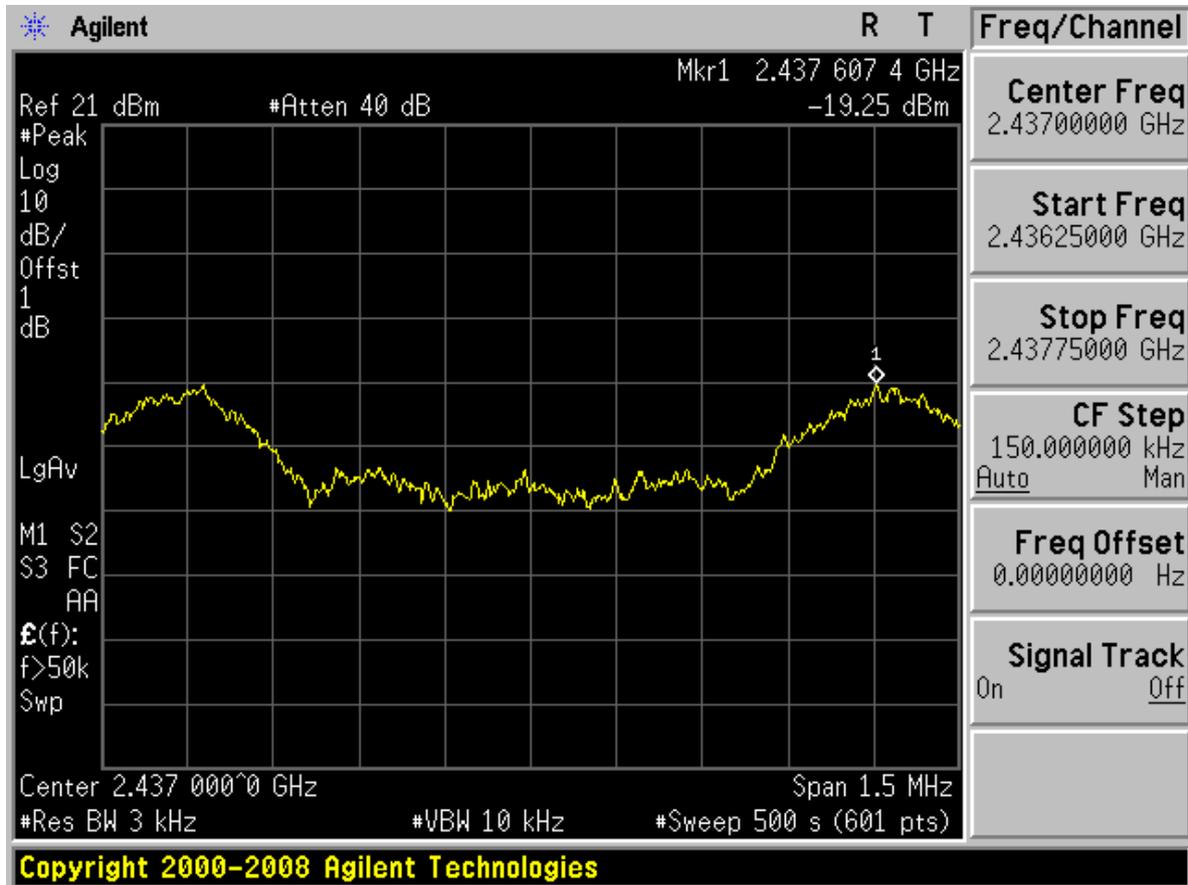
# Channel 06

## Chain 1





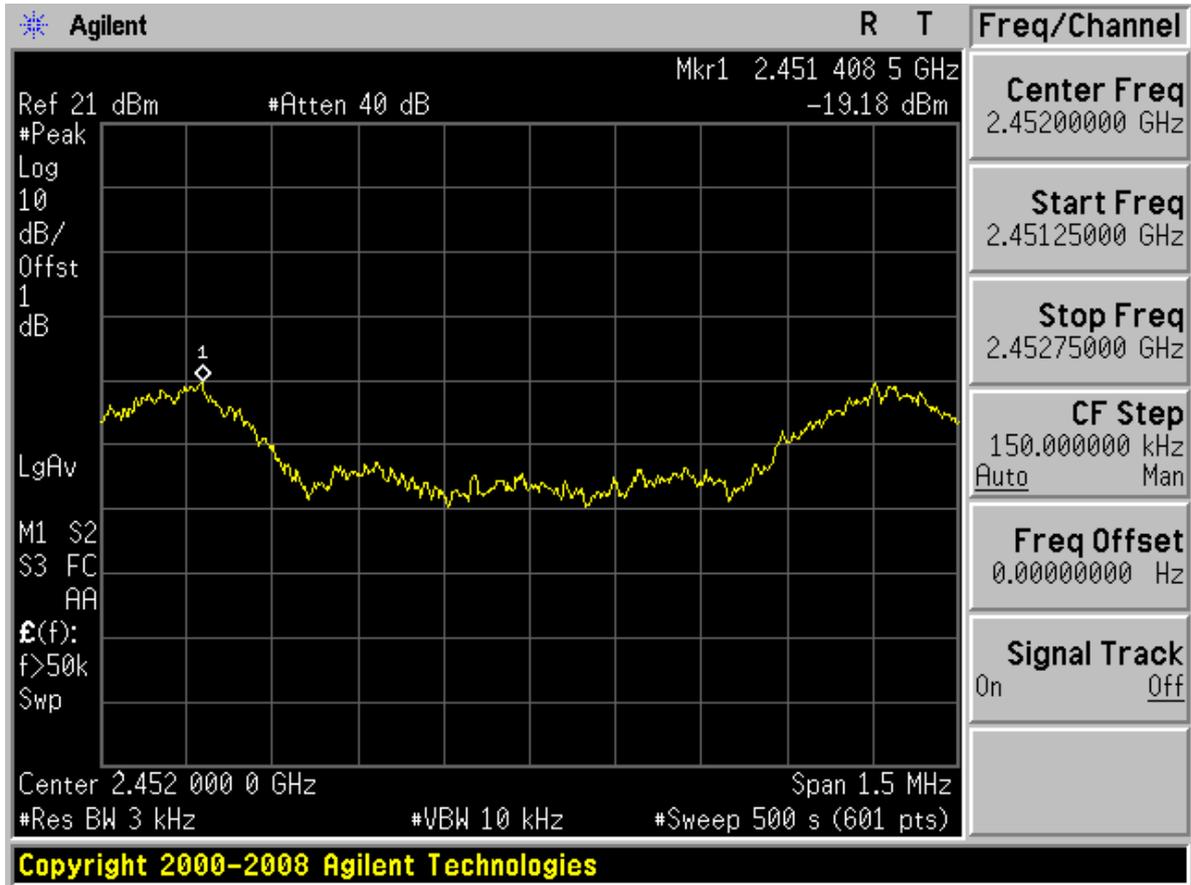
## Chain 2





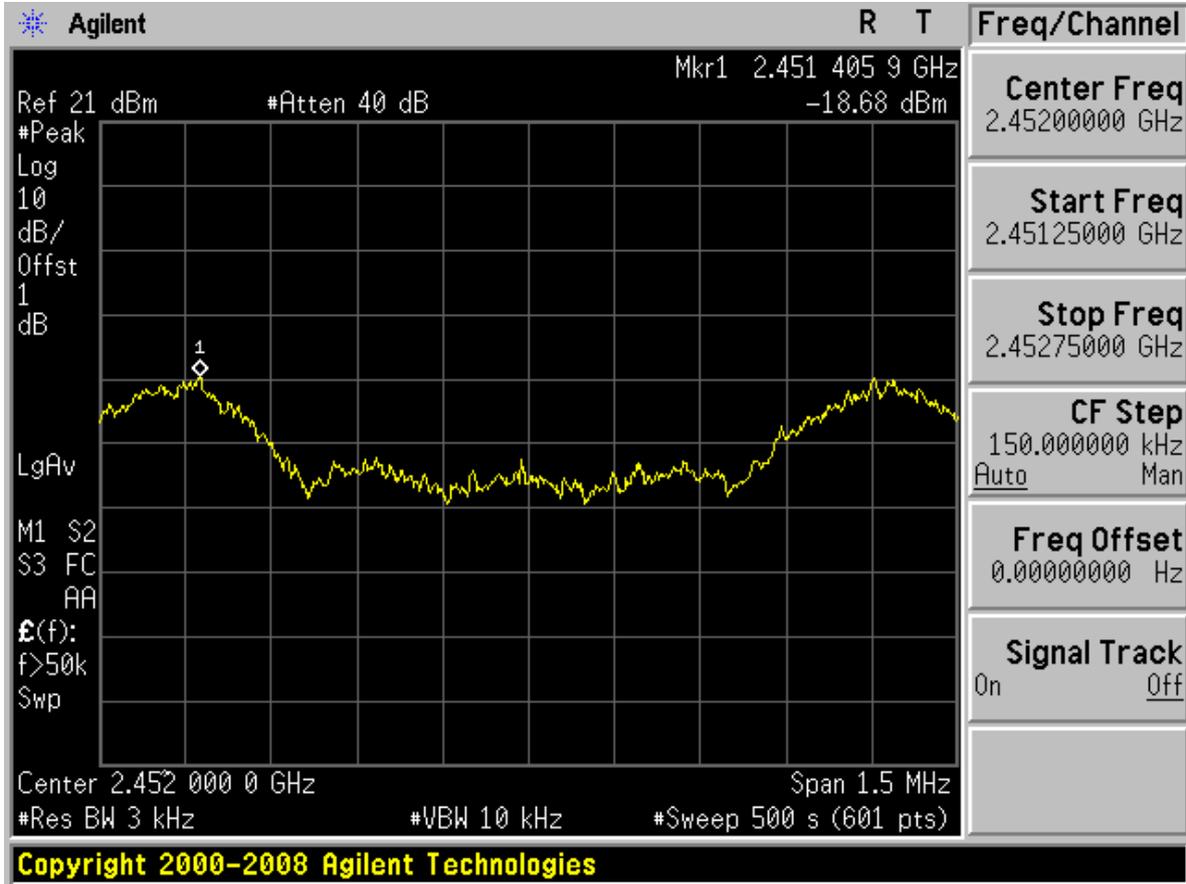
# Channel 09

## Chain 1



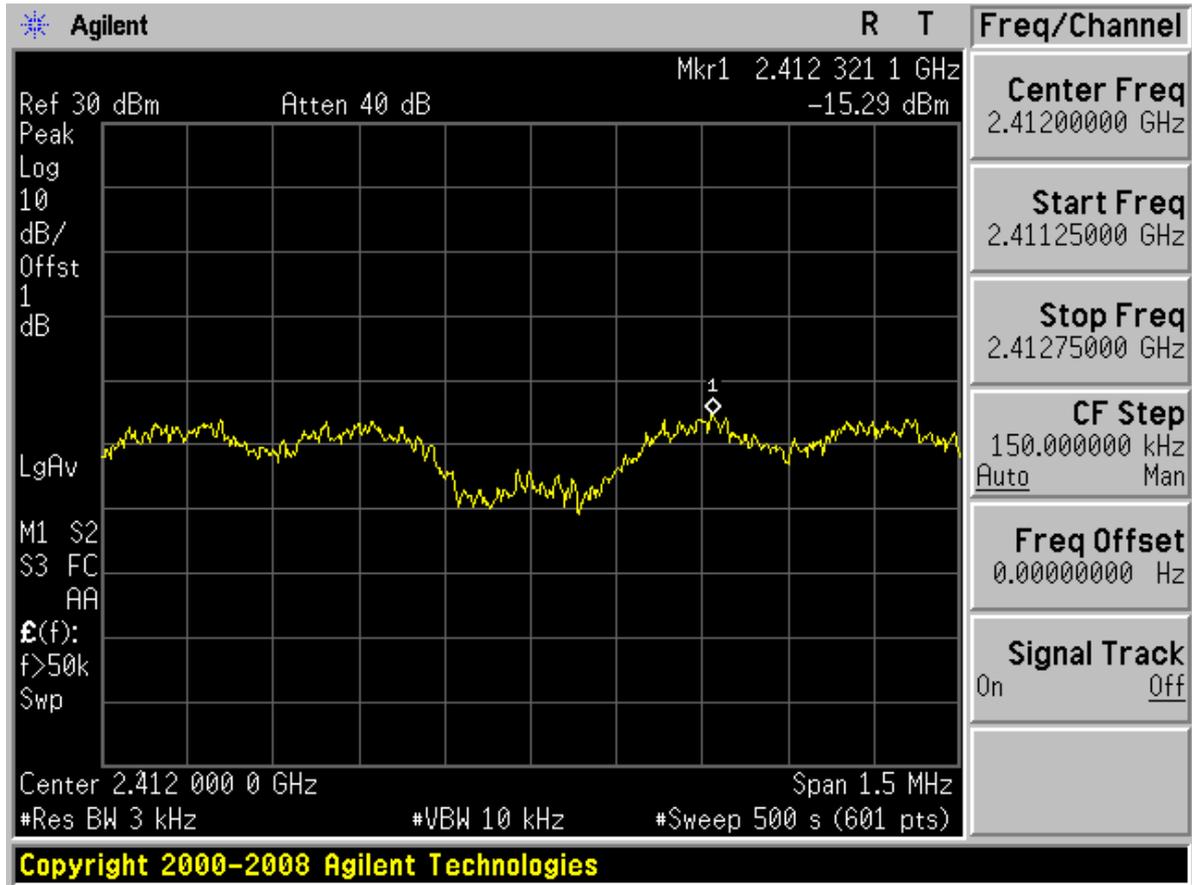


## Chain 2



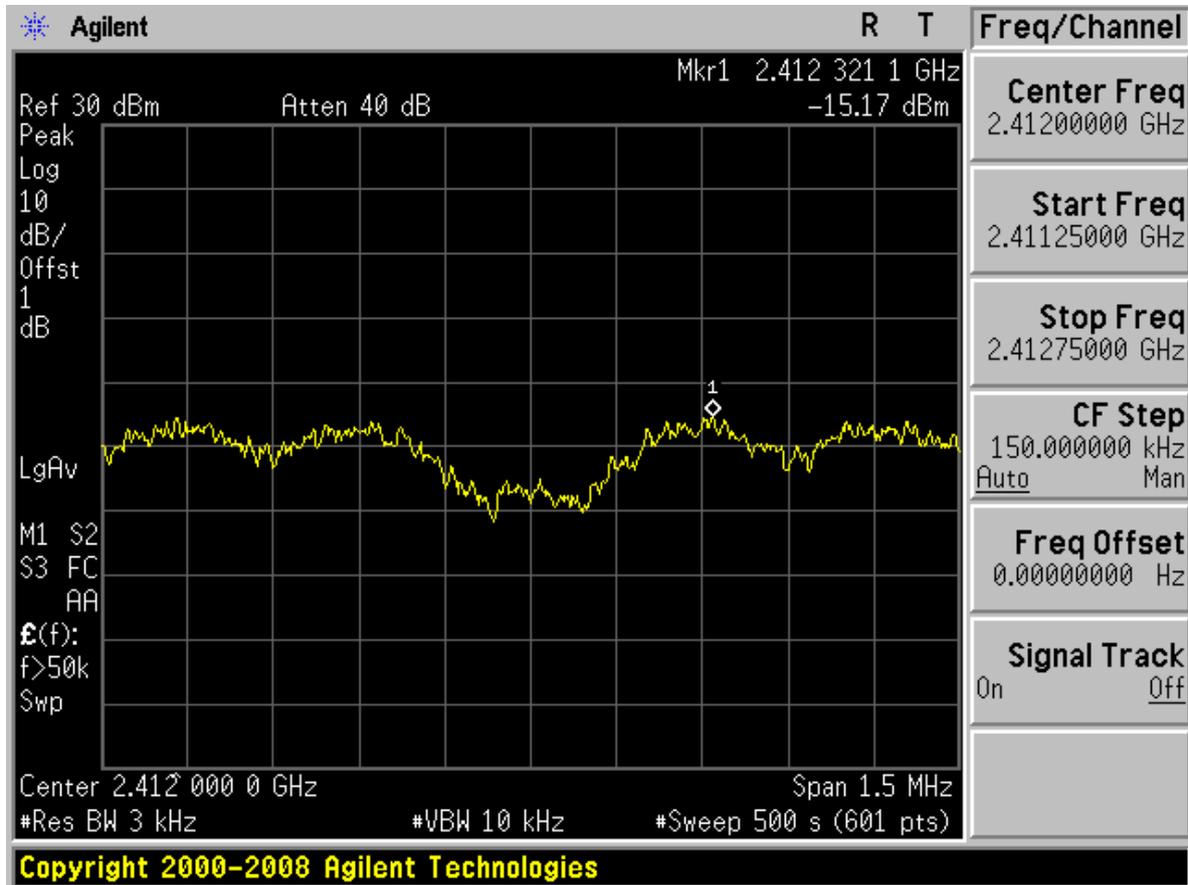


# TM5 Chain 1&2 Channel 01 Chain 1



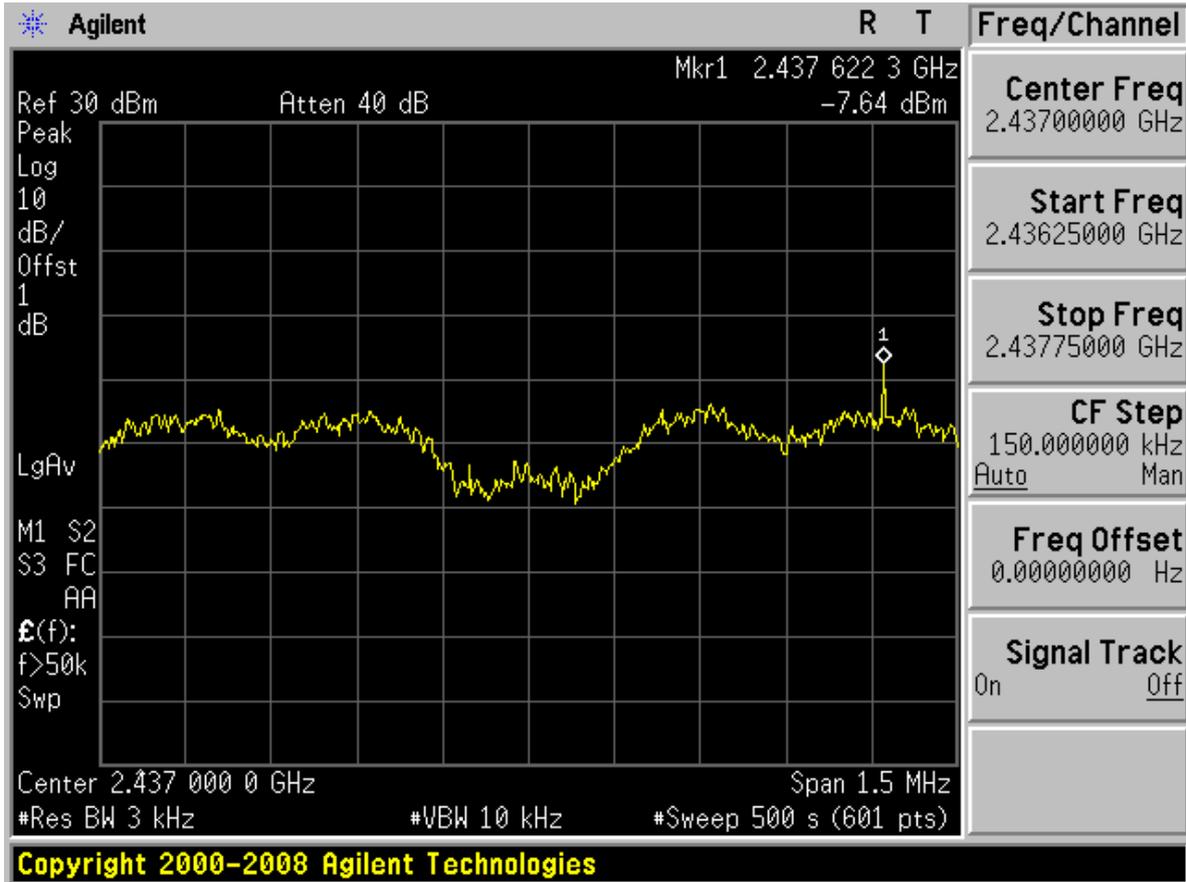


## Chain 2



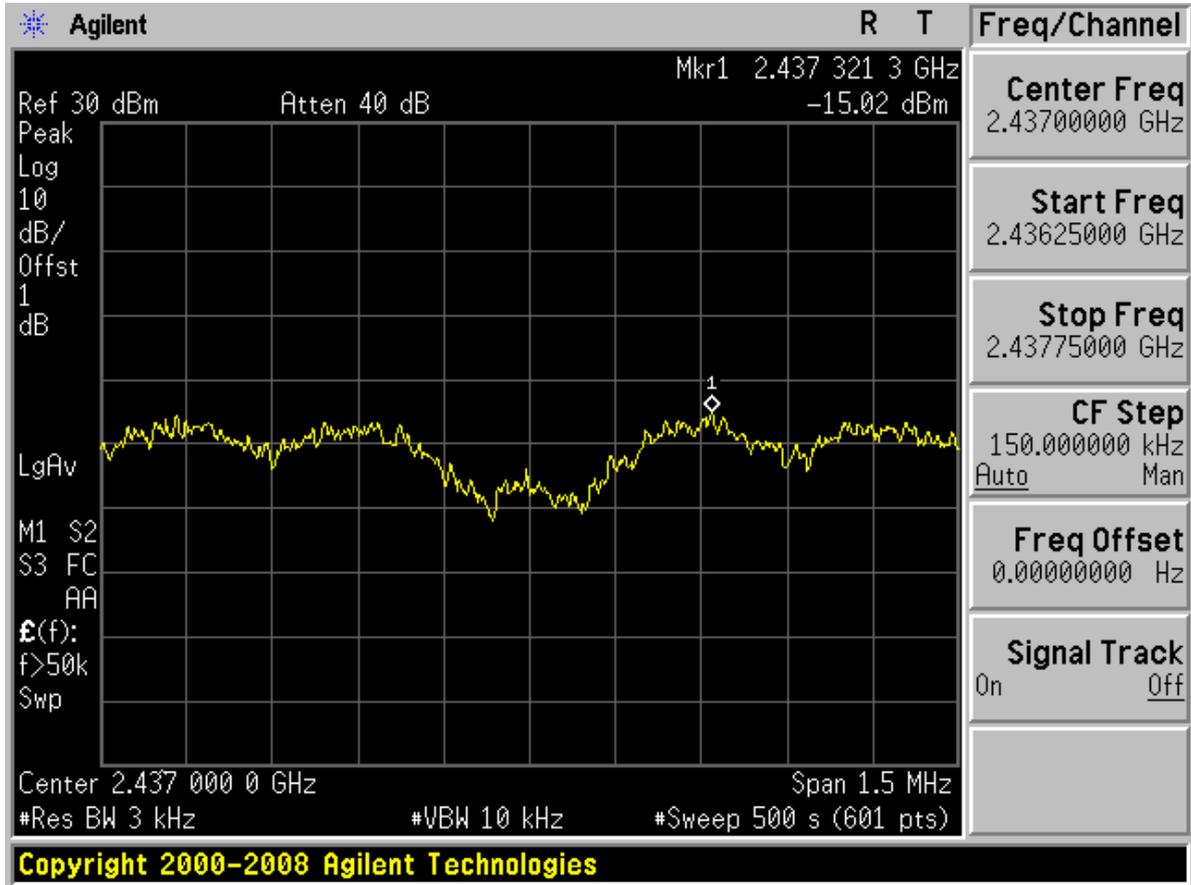


# Channel 06 Chain 1



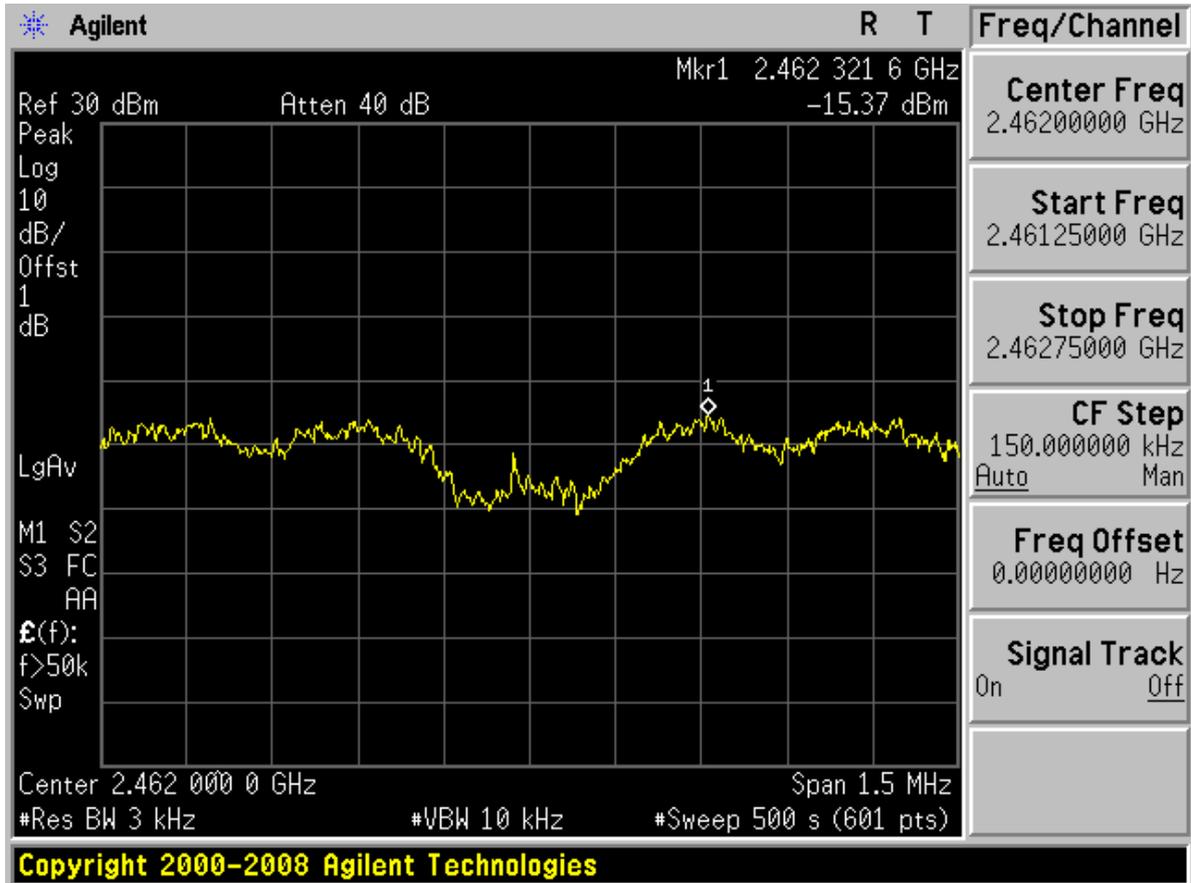


## Chain 2



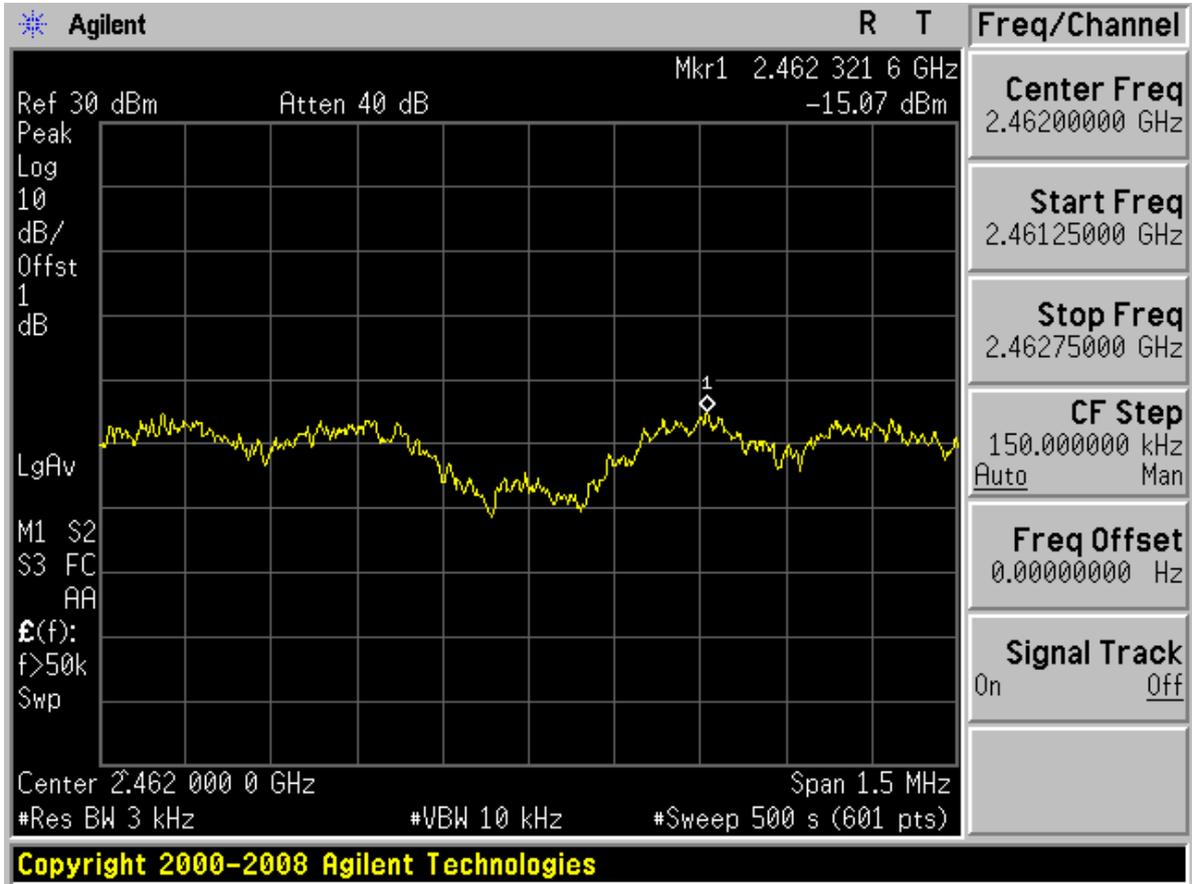


# Channel 11 Chain 1



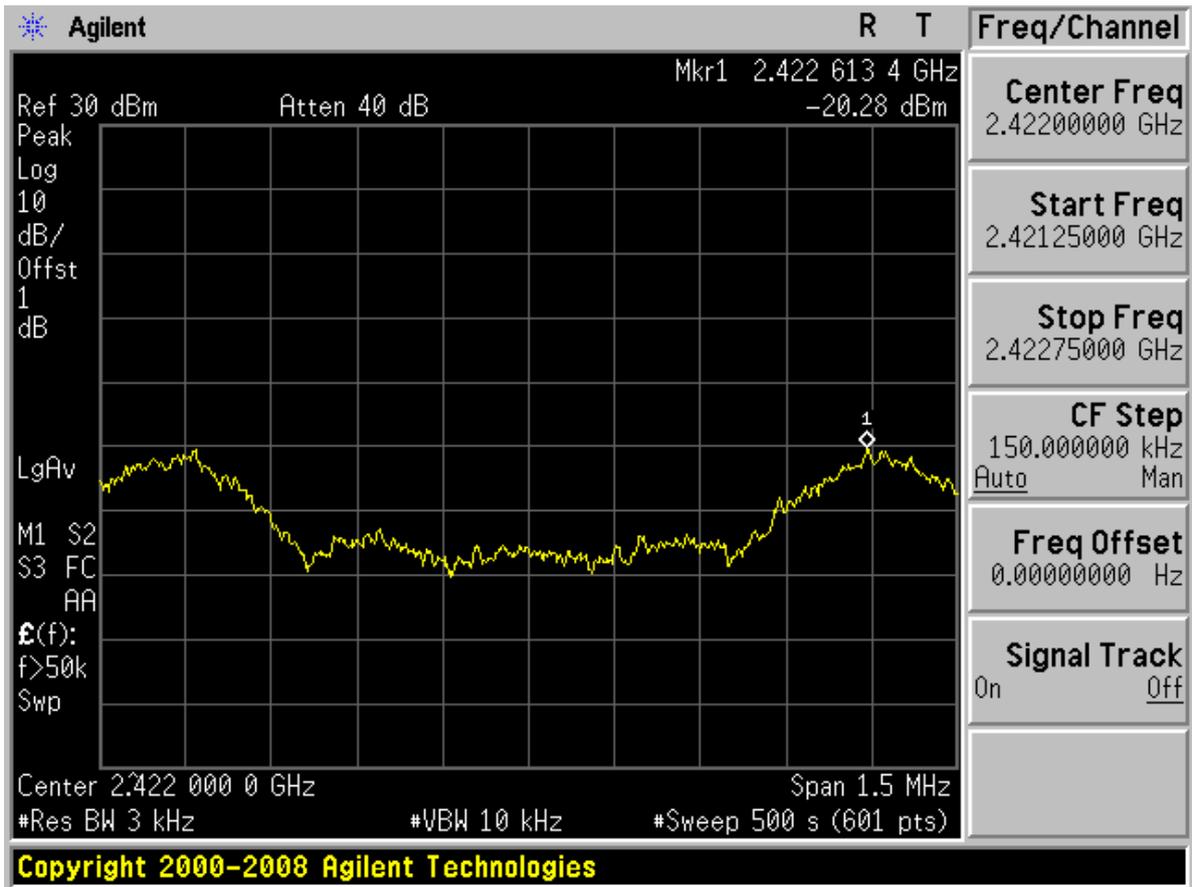


## Chain 2



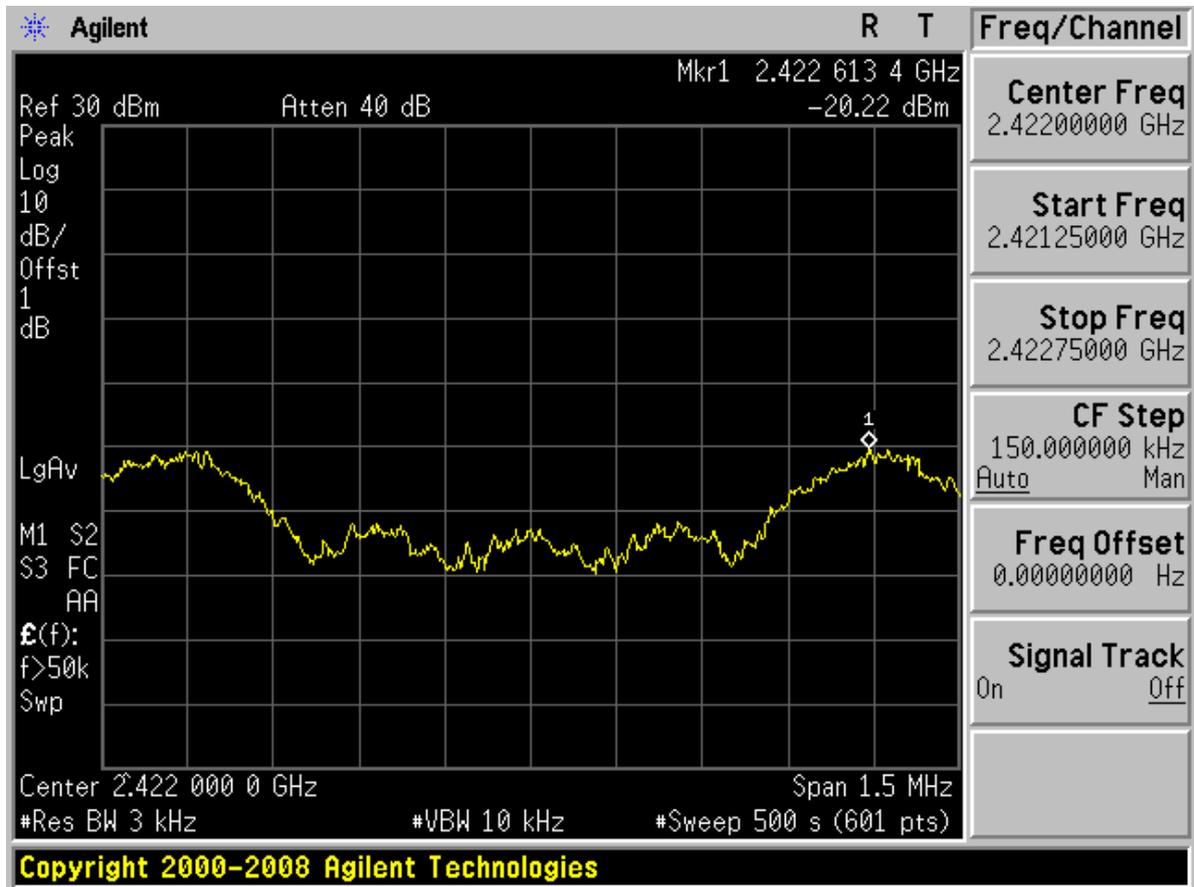


# TM6 Chain 1&2 Channel 03 Chain 1



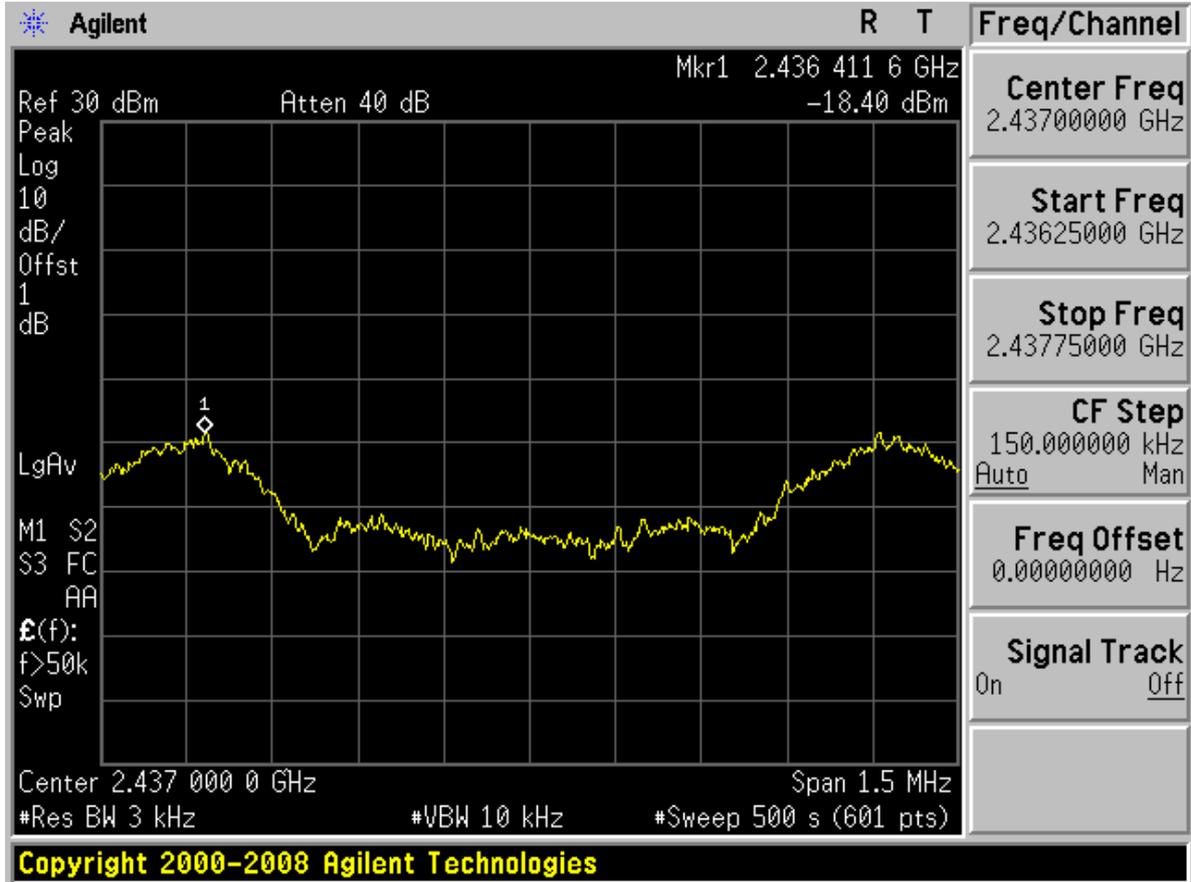


## Chain 2



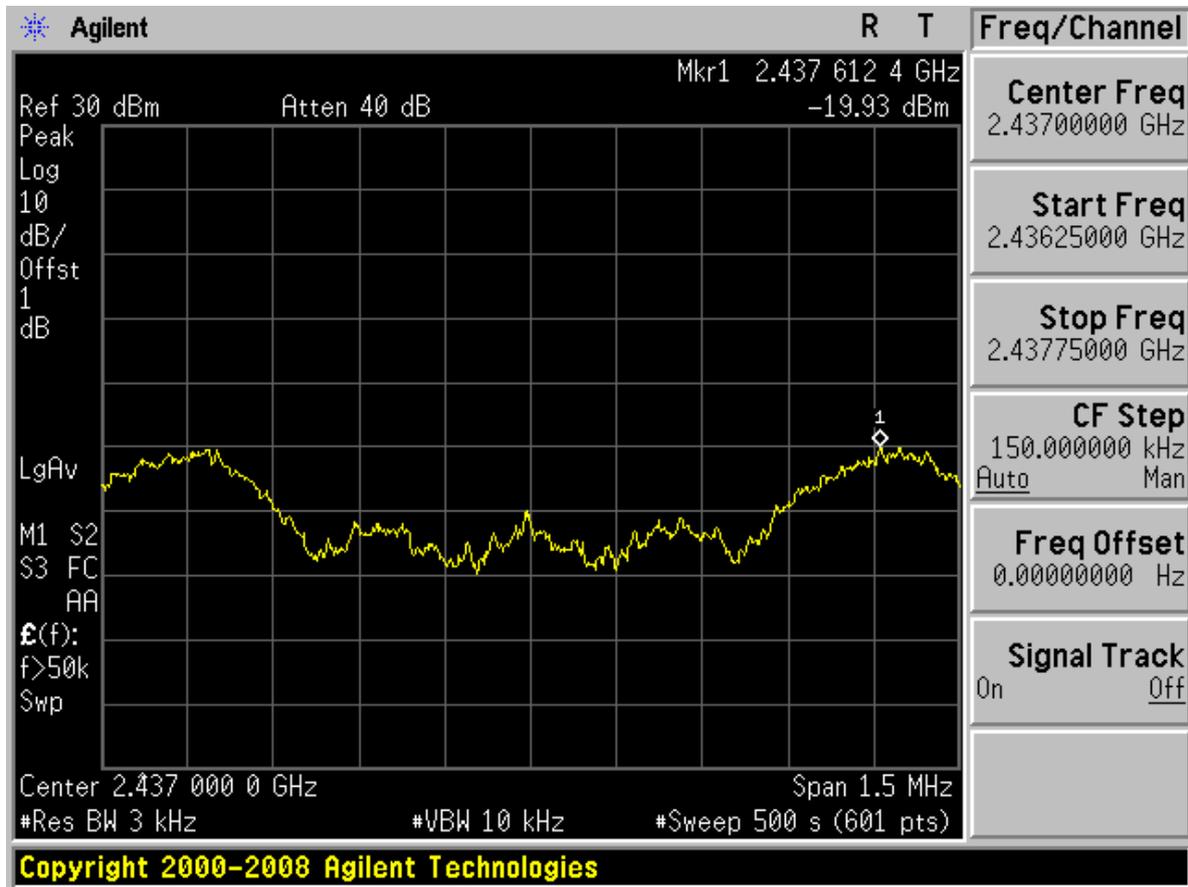


# Channel 06 Chain 1



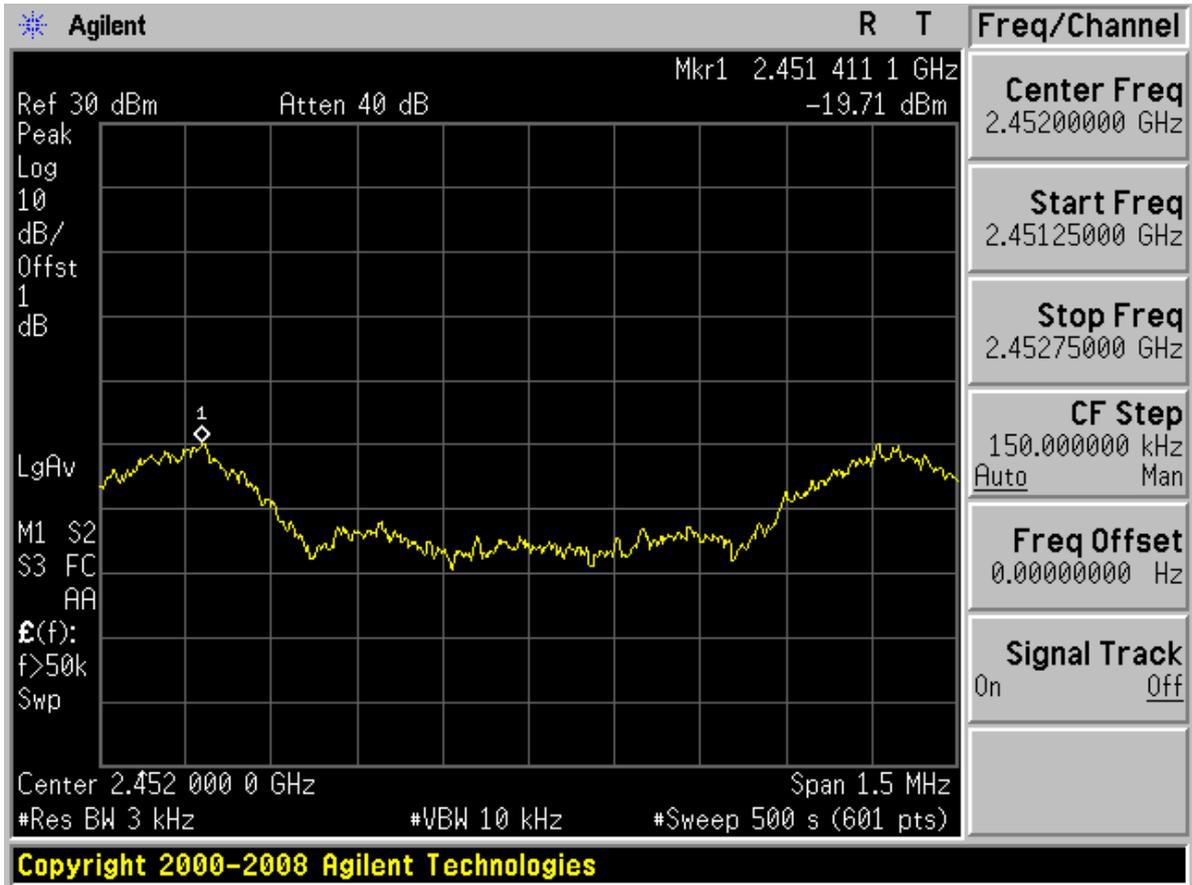


## Chain 2



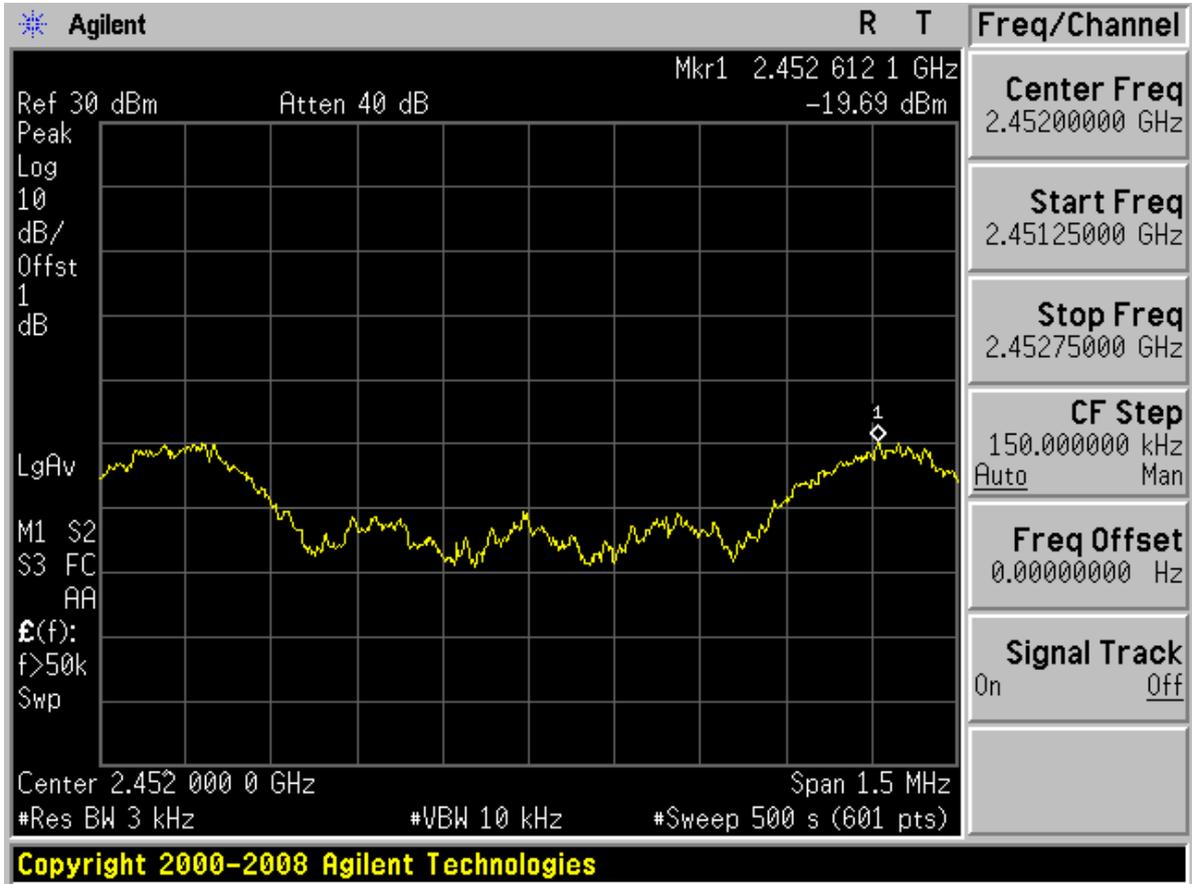


# Channel 09 Chain 1





## Chain 2



-----The END-----



## **Appendix F**

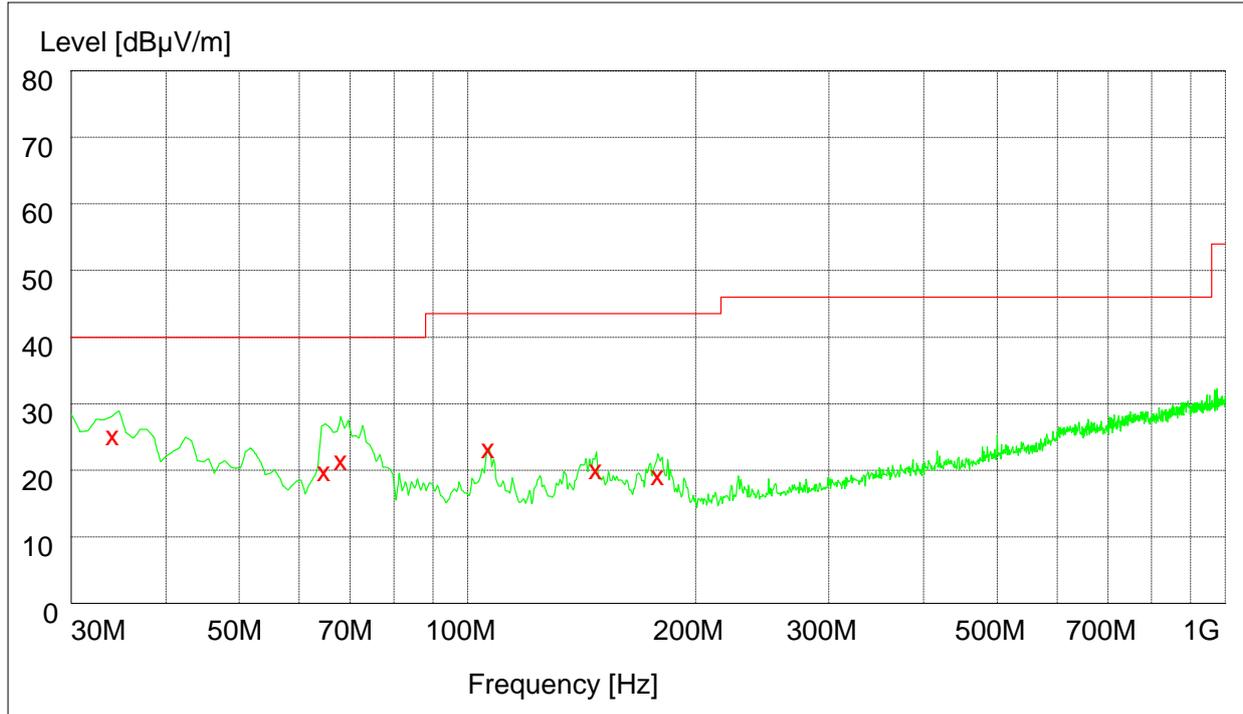
# **Radiated Spurious Emission & Spurious in Restricted Band (according to FCC Part 15.247(d) & 15.205 & 15.209)**



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
34.080000	26.70	14.9	40.0	13.3	100.0	354.00	VERTICAL
64.800000	21.30	11.8	40.0	18.7	100.0	266.00	VERTICAL
68.220000	22.90	11.2	40.0	17.1	100.0	94.00	VERTICAL
106.740000	24.70	13.3	43.5	18.8	100.0	143.00	VERTICAL
148.140000	21.60	9.8	43.5	21.9	100.0	16.00	VERTICAL
178.560000	20.70	11.2	43.5	22.8	100.0	321.00	VERTICAL



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

Note: No peak found in pre- test.

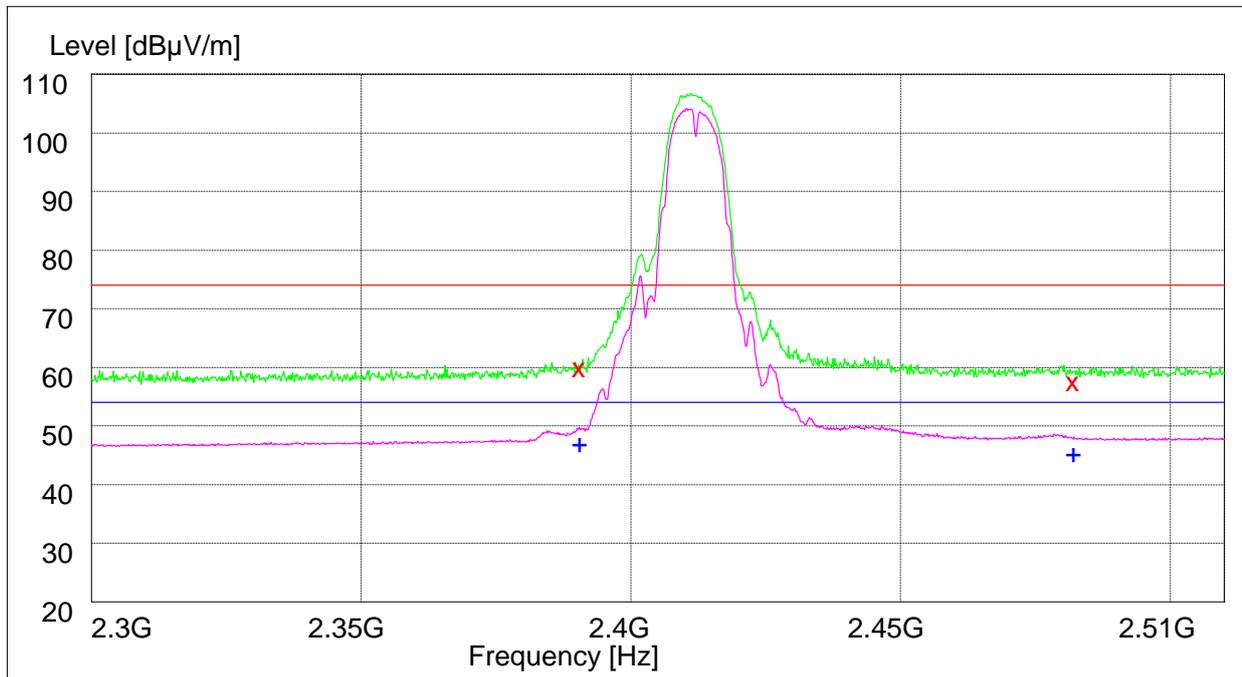


**Part 3: Testing Range of “2.3GHz to 2.5GHz”**

- Note 1: The testing range of “2.3 GHz to 2.5 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: 11b**

**1.1 Channel 01**



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

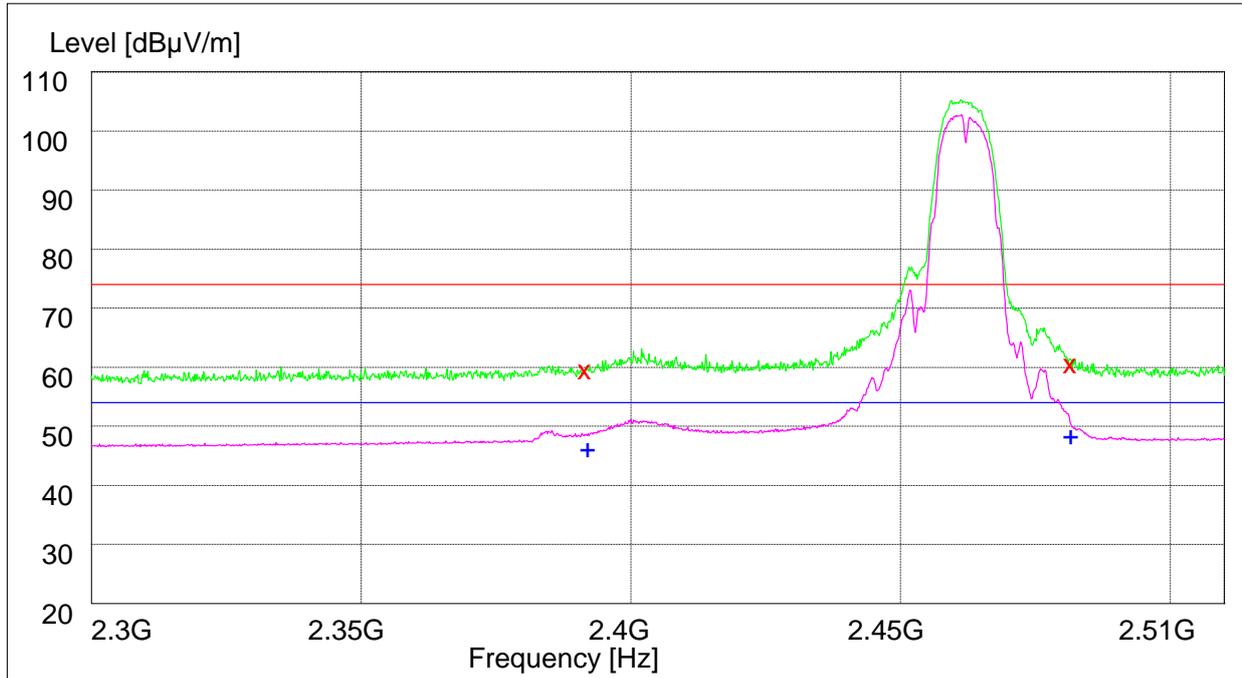
MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.70	33.5	74.0	14.3	101.0	44.00	VERTICAL
2483.500000	59.20	33.7	74.0	14.8	199.0	65.00	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	48.80	33.5	54.0	5.2	100.0	46.00	VERTICAL
2483.500000	47.10	33.7	54.0	6.9	100.0	44.00	VERTICAL

## 1.2 Channel 11



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

### MEASUREMENT RESULT: PK Detector

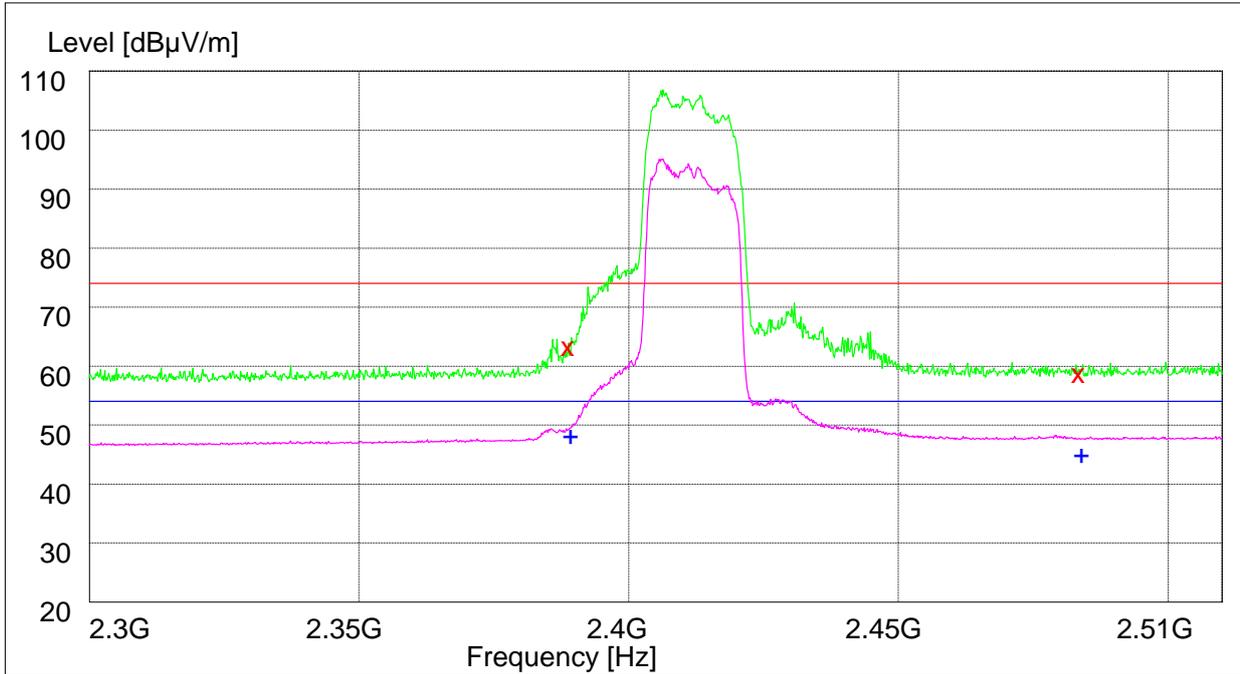
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.20	33.5	74.0	14.8	100.0	46.00	VERTICAL
2483.500000	60.30	33.7	74.0	13.7	100.0	87.00	VERTICAL

### MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	47.90	33.5	54.0	6.1	100.0	87.00	VERTICAL
2483.500000	49.20	33.7	54.0	4.8	100.0	44.00	VERTICAL

## 2 Test Mode: 11g

### 2.1 Channel 01



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

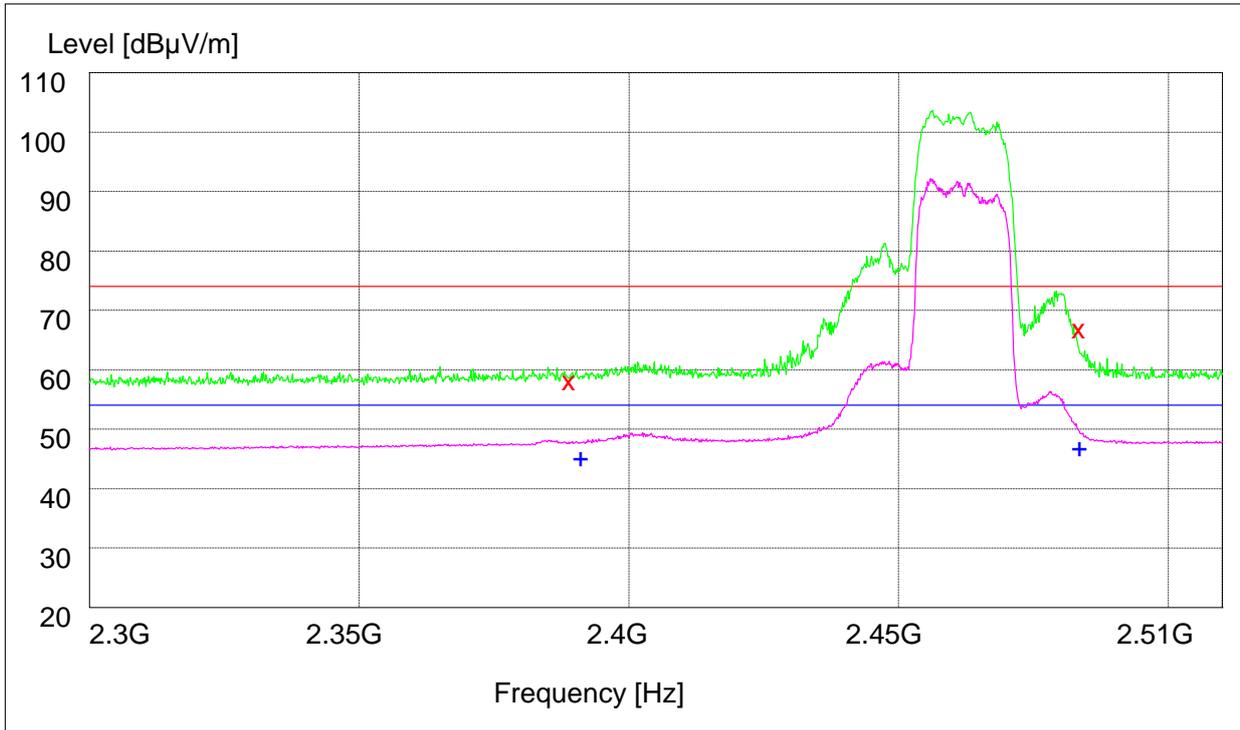
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	64.10	33.5	74.0	9.9	104.0	88.00	VERTICAL
2483.500000	60.40	33.7	74.0	13.6	149.0	125.00	VERTICAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.90	33.5	54.0	4.1	100.0	89.00	VERTICAL
2483.500000	46.80	33.7	54.0	7.2	100.0	142.00	VERTICAL

## 2.2 Channel 11



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

### MEASUREMENT RESULT: PK Detector

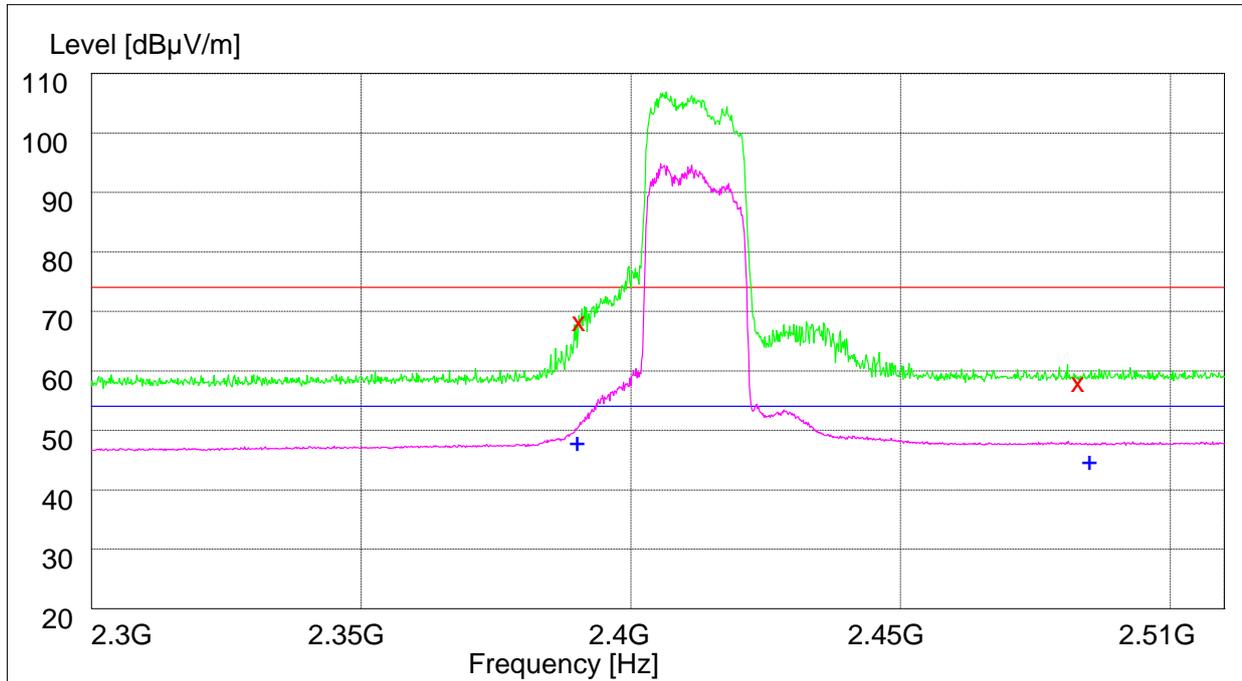
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.80	33.5	74.0	14.2	100.0	155.00	VERTICAL
2483.500000	68.60	33.7	74.0	5.4	100.0	155.00	VERTICAL

### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.90	33.5	54.0	7.1	100.0	94.00	VERTICAL
2483.500000	48.50	33.7	54.0	5.5	100.0	143.00	VERTICAL

### 3 Test Mode: 11n bandwidth=20MHz

#### 3.1 Channel 01



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

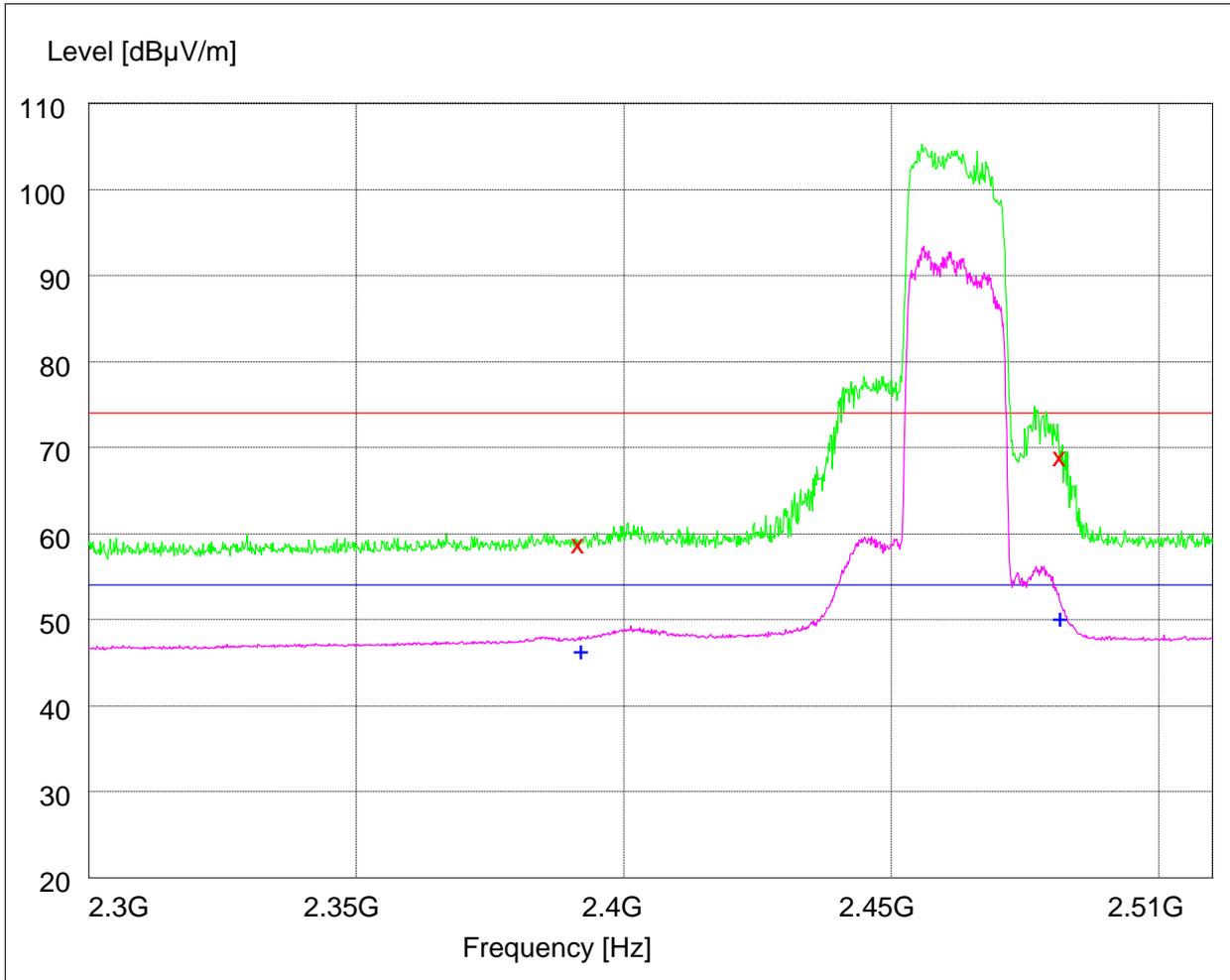
#### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	69.90	33.5	74.0	4.1	101.0	89.00	VERTICAL
2483.500000	59.70	33.7	74.0	14.3	185.0	201.00	VERTICAL

#### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.70	33.5	54.0	4.3	100.0	47.00	VERTICAL
2483.500000	46.50	33.7	54.0	7.5	100.0	216.00	VERTICAL

### 3.2 Channel 11



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

MEASUREMENT RESULT: PK Detector

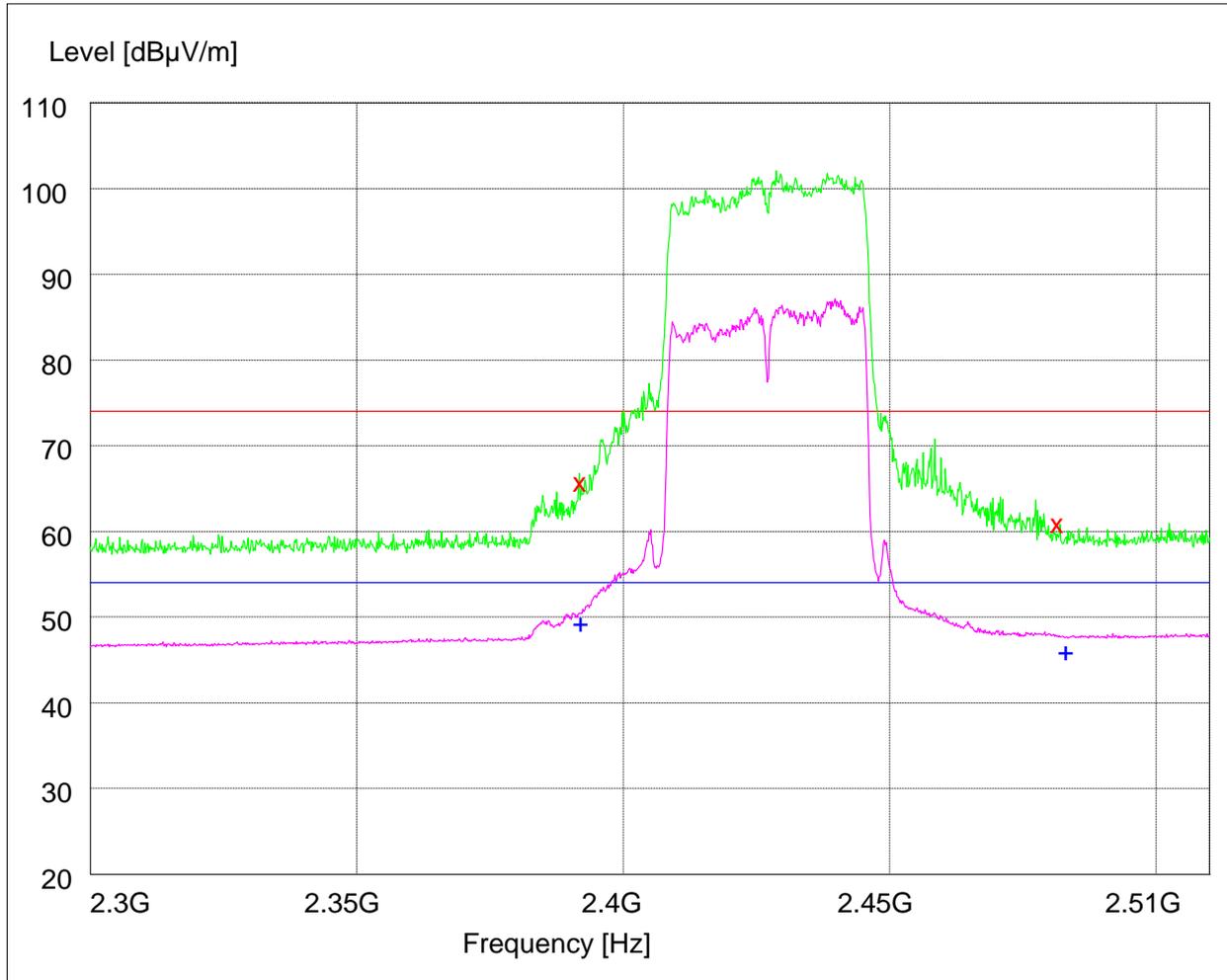
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.40	33.5	74.0	14.6	102.0	0.00	VERTICAL
2483.500000	69.50	33.7	74.0	4.5	100.0	74.00	VERTICAL

MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.90	33.5	54.0	7.1	100.0	89.00	VERTICAL
2483.500000	49.80	33.7	54.0	4.2	120.0	42.00	VERTICAL

#### 4 Test Mode: 11n bandwidth=40MHz

##### 4.1 Channel 03



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

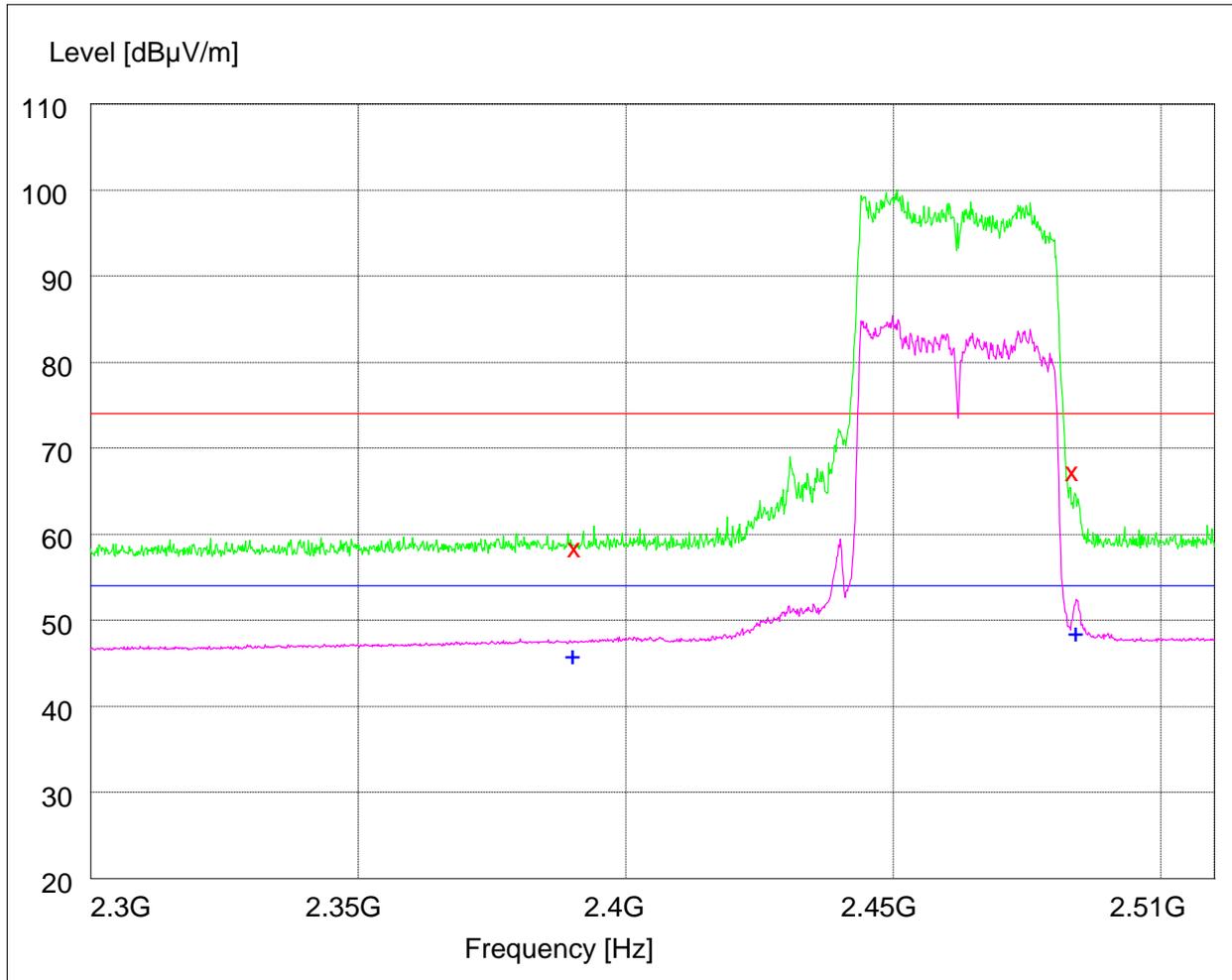
##### MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	66.30	33.5	74.0	7.7	100.0	54.00	VERTICAL
2483.500000	61.40	33.7	74.0	12.6	100.0	42.00	VERTICAL

##### MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	49.80	33.5	54.0	4.2	100.0	90.00	VERTICAL
2483.500000	46.50	33.7	54.0	7.5	100.0	276.00	VERTICAL

### 4.2 Channel 09



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

MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	59.00	33.5	74.0	15.0	195.0	109.00	HORIZONTAL
2483.500000	67.80	33.7	74.0	6.8	100.0	270.00	VERTICAL

MEASUREMENT RESULT: AVDetector

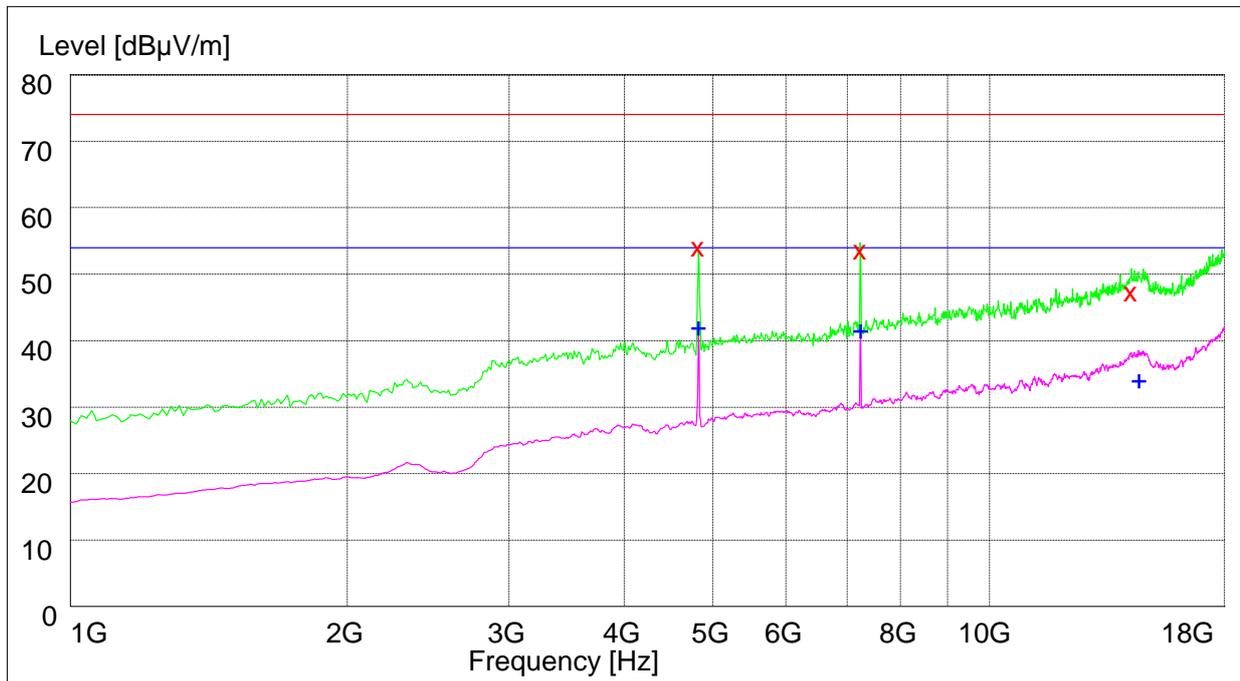
Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarization
2390.000000	46.40	33.5	54.0	7.6	103.0	175.00	VERTICAL
2484.000000	49.10	33.8	54.0	4.9	103.0	272.00	VERTICAL



### 4.3

#### Part 4: Testing Range of “1 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
4824.000000	55.60	-2.6	74.0	18.4	100.0	28.00	VERTICAL
7235.000000	55.20	2.7	74.0	18.8	103.0	102.00	VERTICAL
14262.500000	48.80	14.1	74.0	25.2	161.0	174.00	HORIZONTAL

#### MEASUREMENT RESULT: AVDetector

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Height cm	Azimuth deg	Polarization
4824.000000	43.60	-2.6	54.0	10.4	100.0	31.00	VERTICAL
7235.000000	43.20	2.7	54.0	10.8	100.0	223.00	VERTICAL
14526.500000	35.60	14.5	54.0	18.4	115.0	246.00	HORIZONTAL



FCC Test Report of B593U-12  
FCC ID: QISB593U-12

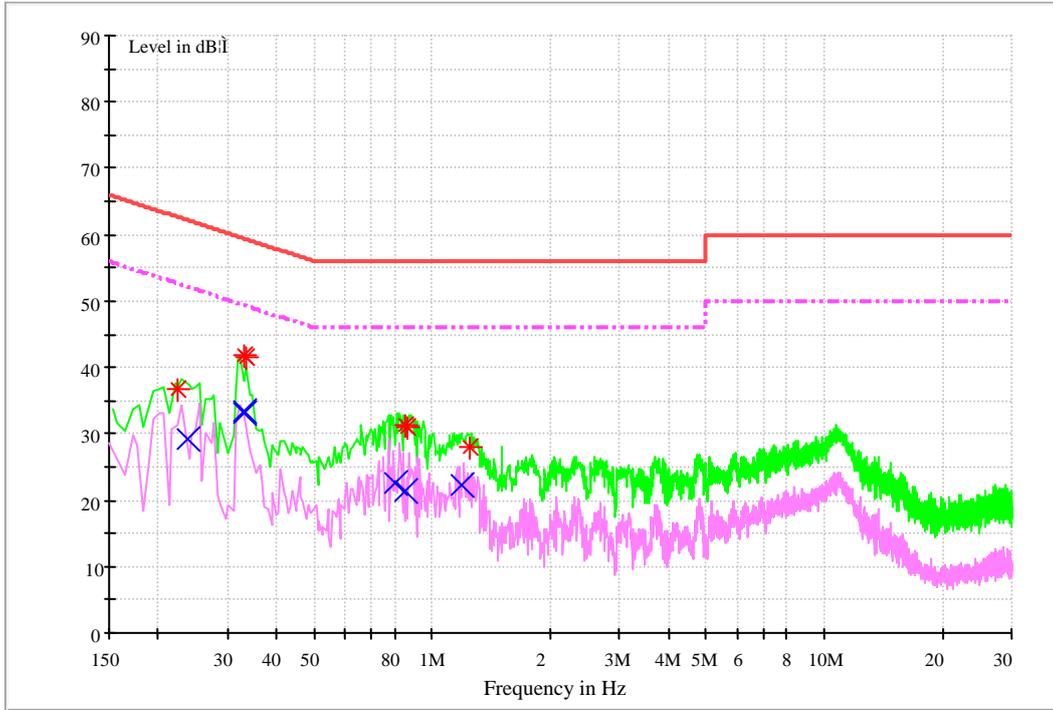
# Appendix G

## Conducted Emission at Power Port

According to FCC Part 15.207



# Channel 6



## MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Line	PE
0.224077	36.9	9.7	62.7	25.8	L1	FLO
0.330252	41.8	9.7	59.4	17.6	L1	FLO
0.335902	41.6	9.7	59.3	17.7	L1	FLO
0.854070	31.4	9.7	56.0	24.6	L1	FLO
0.862234	31.0	9.7	56.0	25.0	L1	FLO
1.250021	28.1	9.7	56.0	27.9	L1	FLO



MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Line	PE
0.238829	29.3	9.7	52.1	22.8	L1	FLO
0.329378	33.3	9.7	49.5	16.2	L1	FLO
0.329396	33.2	9.7	49.5	16.3	L1	FLO
0.806325	22.5	9.7	46.0	23.5	L1	FLO
0.854111	21.4	9.7	46.0	24.6	L1	FLO
1.186392	22.3	9.7	46.0	23.7	L1	FLO

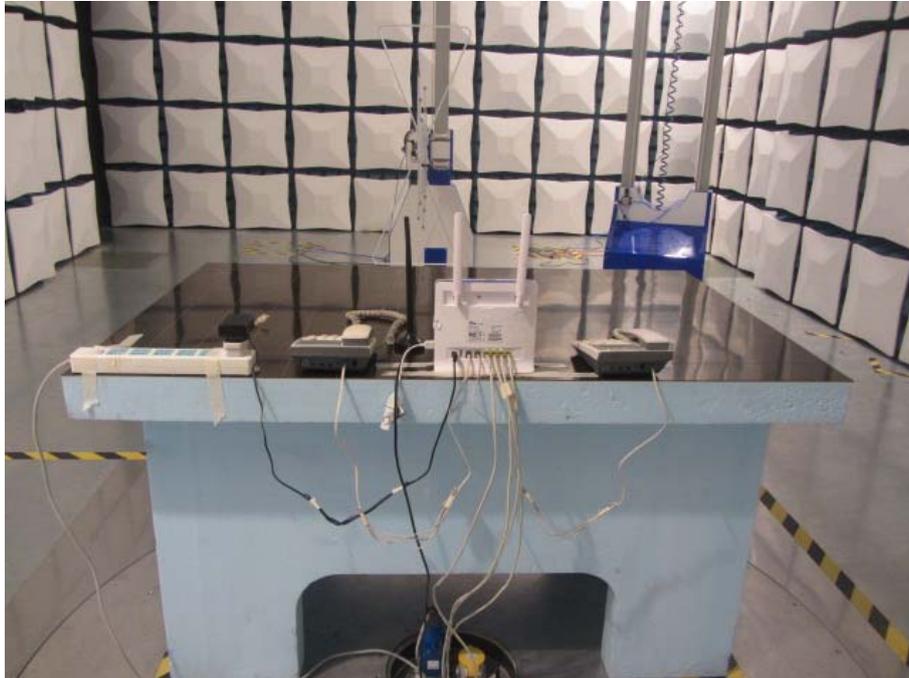


# Appendix H

## Photos of Test Setup



# 1 Radiated Spurious Emissions



Radiated Spurious Emission (below 1GHz)



Radiated Spurious Emission (1GHz to18GHz)



Radiated Spurious Emission (above 18GHz)

## **2 Conducted Emissions**



Conducted Emissions for AC Ports