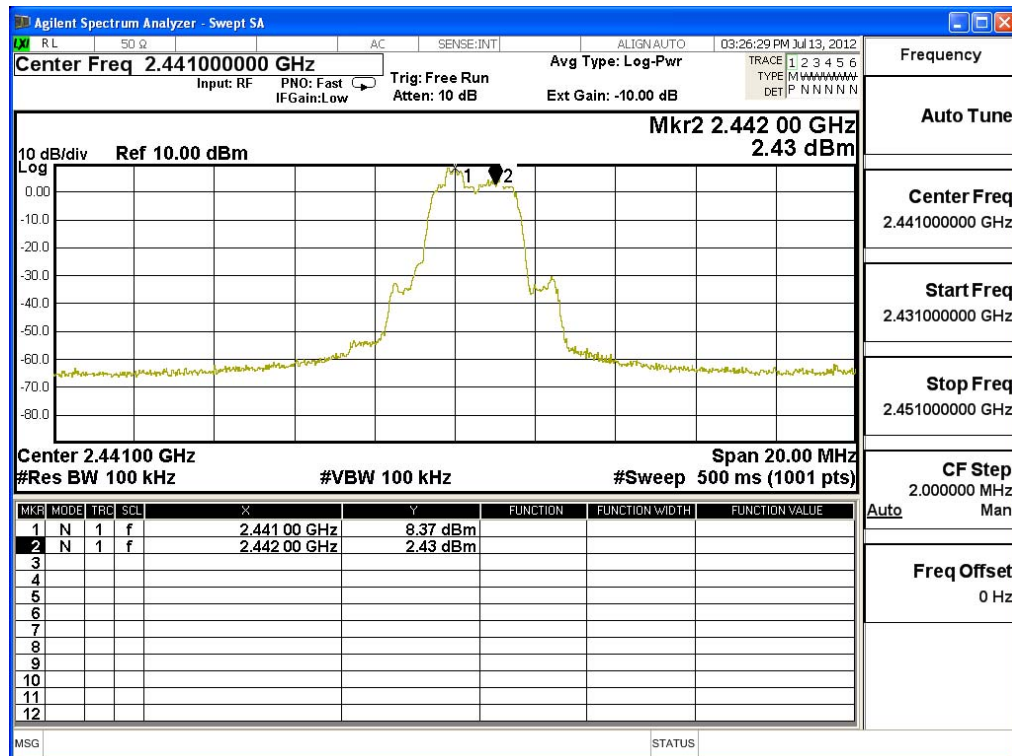
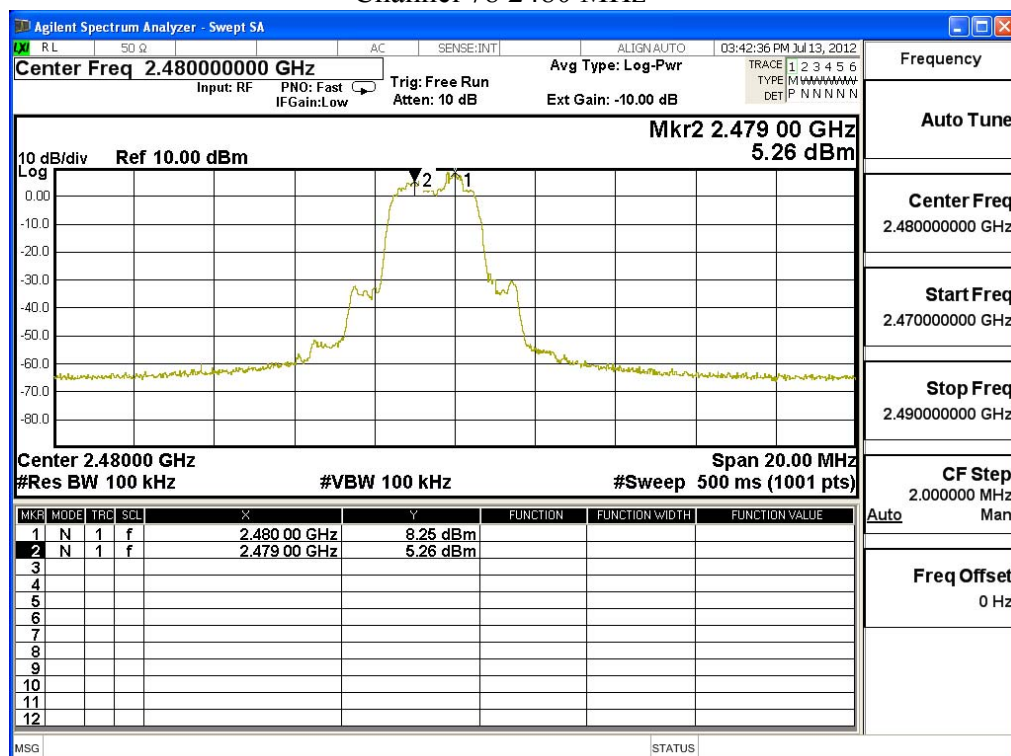


### Channel 39 2441MHz



### Channel 78 2480 MHz



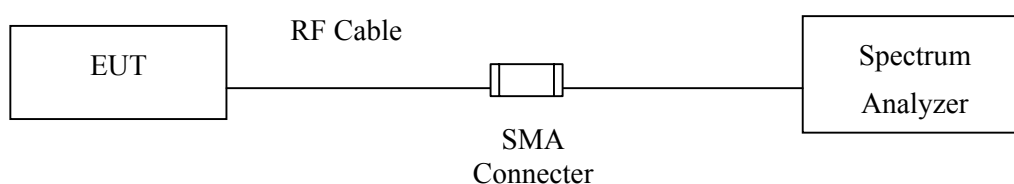
## 9. Dwell Time

### 9.1. Test Equipment

|   | Equipment         | Manufacturer | Model No./Serial No. | Last Cal.  |
|---|-------------------|--------------|----------------------|------------|
|   | Spectrum Analyzer | R&S          | FSP40 / 100170       | Jun, 2012  |
|   | Spectrum Analyzer | Agilent      | E4407B / US39440758  | Jun, 2012  |
| X | Spectrum Analyzer | Agilent      | N9010A / MY48030495  | Apr., 2012 |

Note: 1. All equipments are calibrated every one year.  
2. The test instruments marked by "X" are used to measure the final test results.

### 9.2. Test Setup



### 9.3. Limit

The dwell time shall be the average time of occupancy on any frequency shall not be greater than 0.4 seconds within a 30 second period.

### 9.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

### 9.5. Uncertainty

$\pm 25\text{msec}$

## 9.6. Test Result of Dwell Time

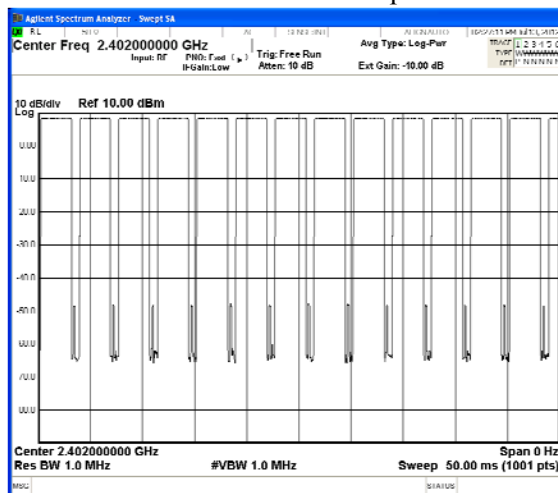
Product : ASUS Transformer Pad  
 Test Item : Dwell Time  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK) (Channel 00,39,78 –DH5)

| Frequency (MHz) | Time slot length (ms) | Hopping of Number | Sweep time (ms) | Duty cycle | Dwell Time (Sec) | Limit (Sec) | Result |
|-----------------|-----------------------|-------------------|-----------------|------------|------------------|-------------|--------|
| 2402            | 2.880                 | 13                | 50              | 0.75       | 0.300            | 0.4         | Pass   |
| 2441            | 2.880                 | 13                | 50              | 0.75       | 0.300            | 0.4         | Pass   |
| 2480            | 2.880                 | 13                | 50              | 0.75       | 0.300            | 0.4         | Pass   |

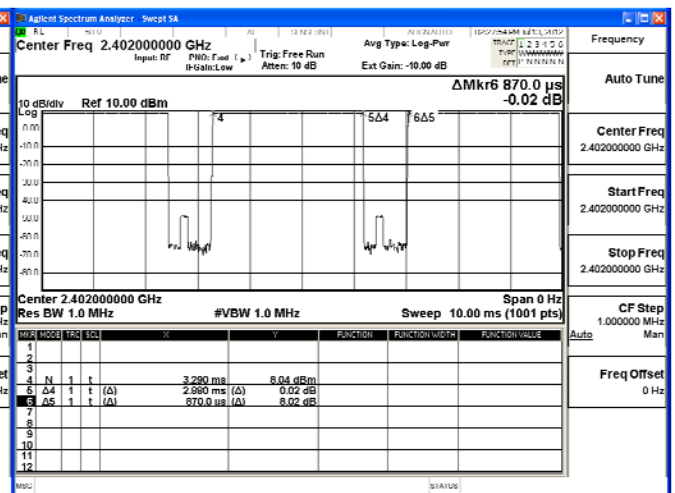
Duty cycle = ((Time slot length(ms)\*Hopping of Number) / Sweep time (ms))

Dwell time = (Duty cycle / 79) \* (79\*0.4)

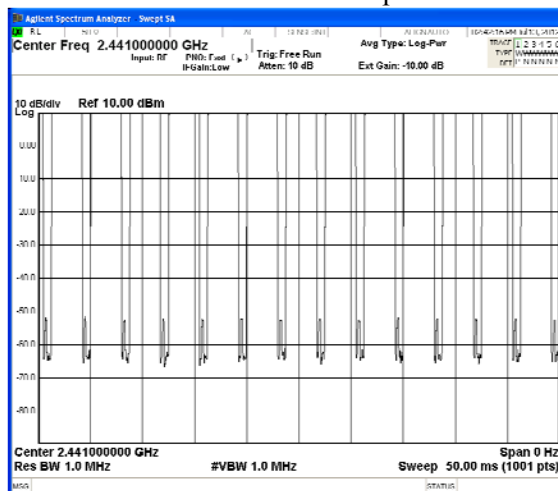
CH 00 Time Interval between hops



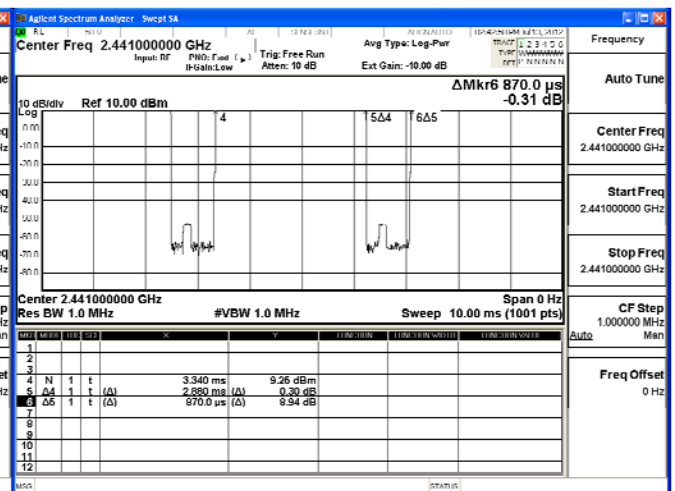
CH 00 Transmission Time



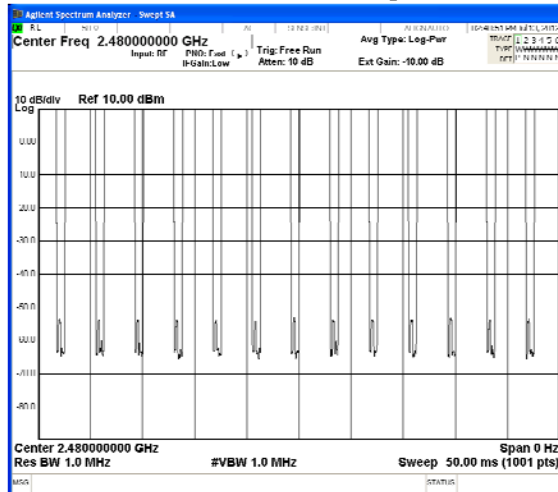
CH39 Time Interval between hops



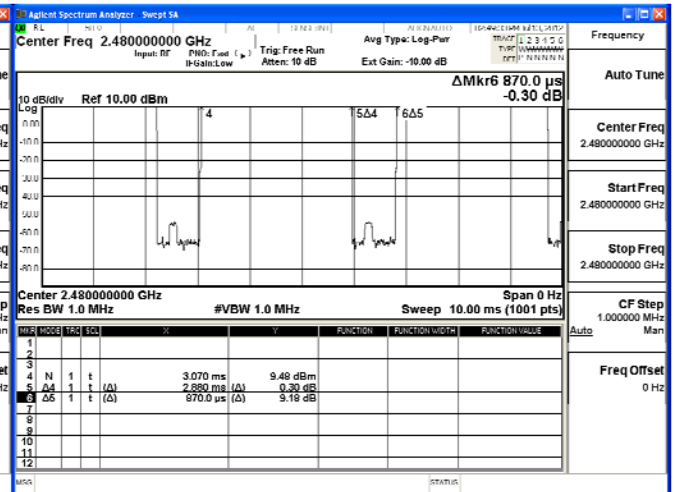
CH 39Transmission Time



## CH 78 Time Interval between hops



## CH 78 Transmission Time



Note:

The dwell times of the packet type of DH1, DH3, and DH5 are tested. Only the worst case is shown on the report.

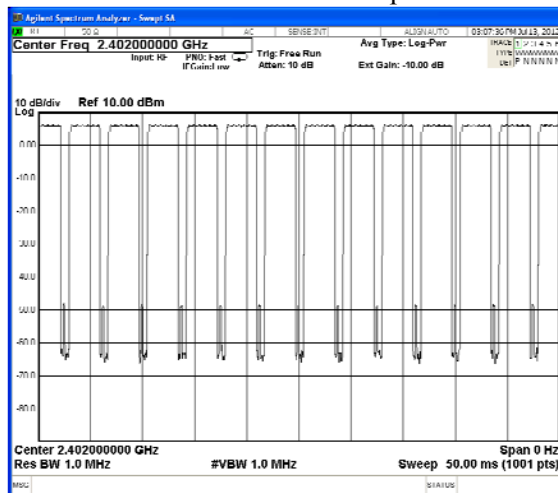
Product : ASUS Transformer Pad  
 Test Item : Dwell Time  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit - 3Mbps (8DPSK) (Channel 00,39,78 –DH5)

| Frequency (MHz) | Time slot length (ms) | Hopping of Number | Sweep time (ms) | Duty cycle | Dwell Time (Sec) | Limit (Sec) | Result |
|-----------------|-----------------------|-------------------|-----------------|------------|------------------|-------------|--------|
| 2402            | 2.890                 | 13                | 50              | 0.75       | 0.301            | 0.4         | Pass   |
| 2441            | 2.890                 | 13                | 50              | 0.75       | 0.301            | 0.4         | Pass   |
| 2480            | 2.890                 | 13                | 50              | 0.75       | 0.301            | 0.4         | Pass   |

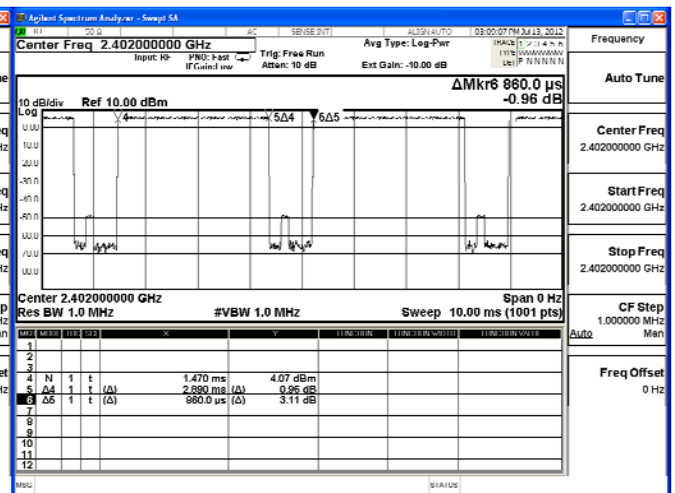
Duty cycle = ((Time slot length(ms)\*Hopping of Number) / Sweep time (ms))

Dwell time = (Duty cycle /79) \* (79\*0.4)

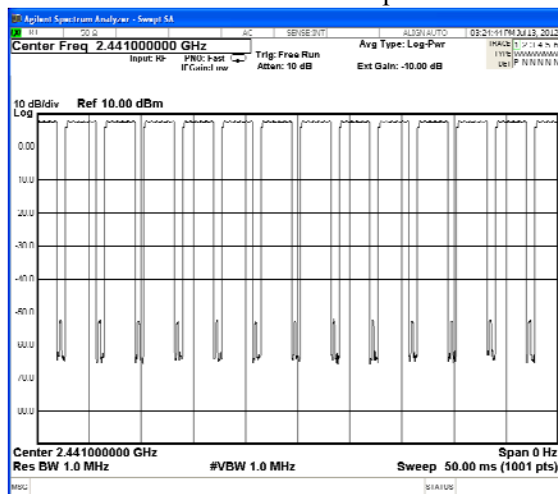
CH 00 Time Interval between hops



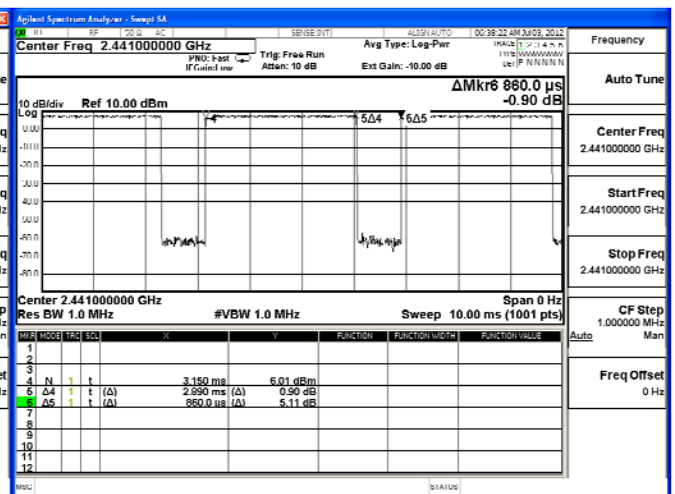
CH 00 Transmission Time



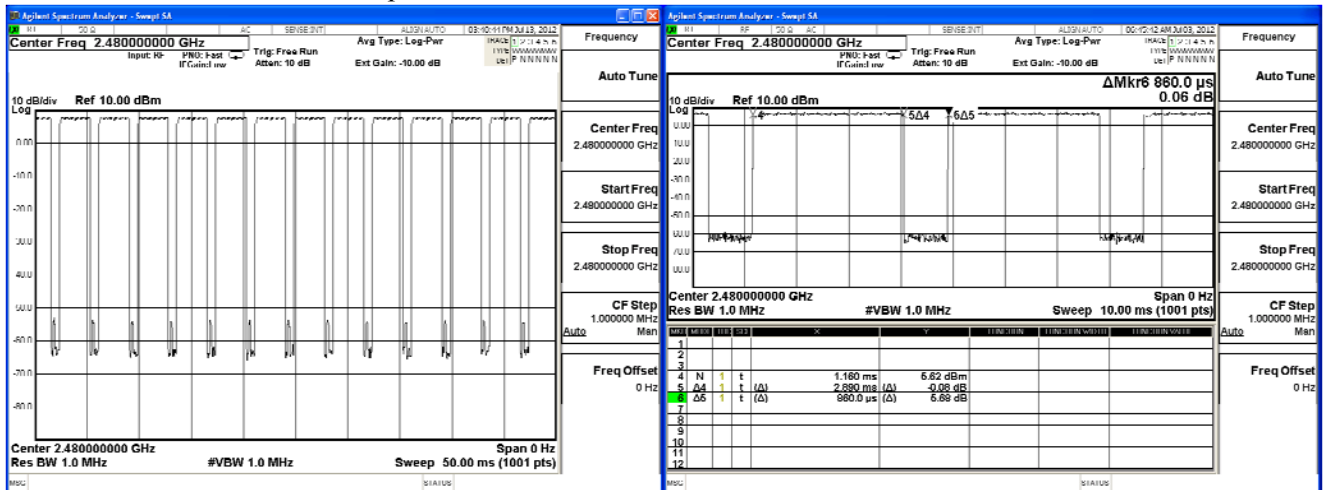
CH39 Time Interval between hops



CH 39Transmission Time



## CH 78 Transmission Time



The dwell times of the packet type of DH1, DH3, and DH5 are tested. Only the worst case is shown on the report.

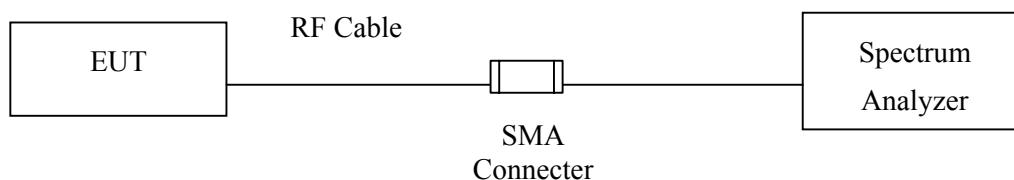
## 10. Occupied Bandwidth

### 10.1. Test Equipment

|   | Equipment         | Manufacturer | Model No./Serial No. | Last Cal.  |
|---|-------------------|--------------|----------------------|------------|
|   | Spectrum Analyzer | R&S          | FSP40 / 100170       | Jun, 2012  |
|   | Spectrum Analyzer | Agilent      | E4407B / US39440758  | Jun, 2012  |
| X | Spectrum Analyzer | Agilent      | N9010A / MY48030495  | Apr., 2012 |

Note: 1. All equipments are calibrated every one year.  
 2. The test instruments marked by “X” are used to measure the final test results.

### 10.2. Test Setup



### 10.3. Limits

N/A

### 10.4. Test Procedure

The EUT was setup to ANSI C63.4, 2003; tested to FHSS test procedure of FCC Public Notice DA 00-705 for compliance to FCC 47CFR 15.247 requirements.

### 10.5. Uncertainty

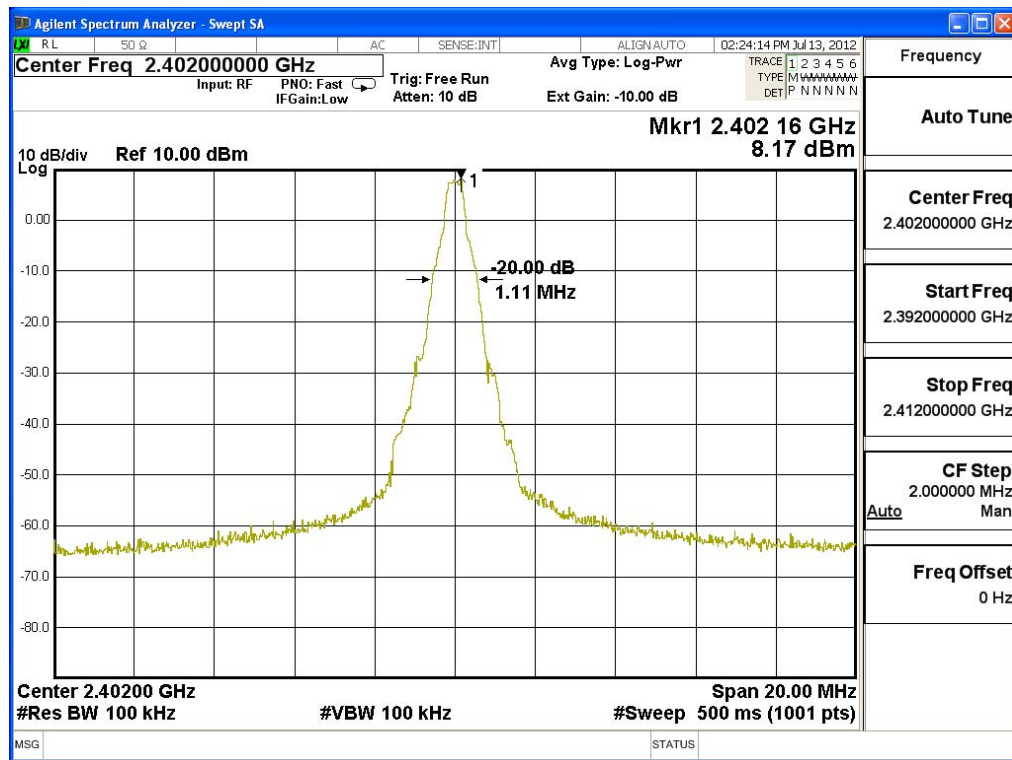
$\pm 150\text{Hz}$

## 10.6. Test Result of Occupied Bandwidth

Product : ASUS Transformer Pad  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2402MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 00          | 2402            | 1110                    | --                   | NA     |

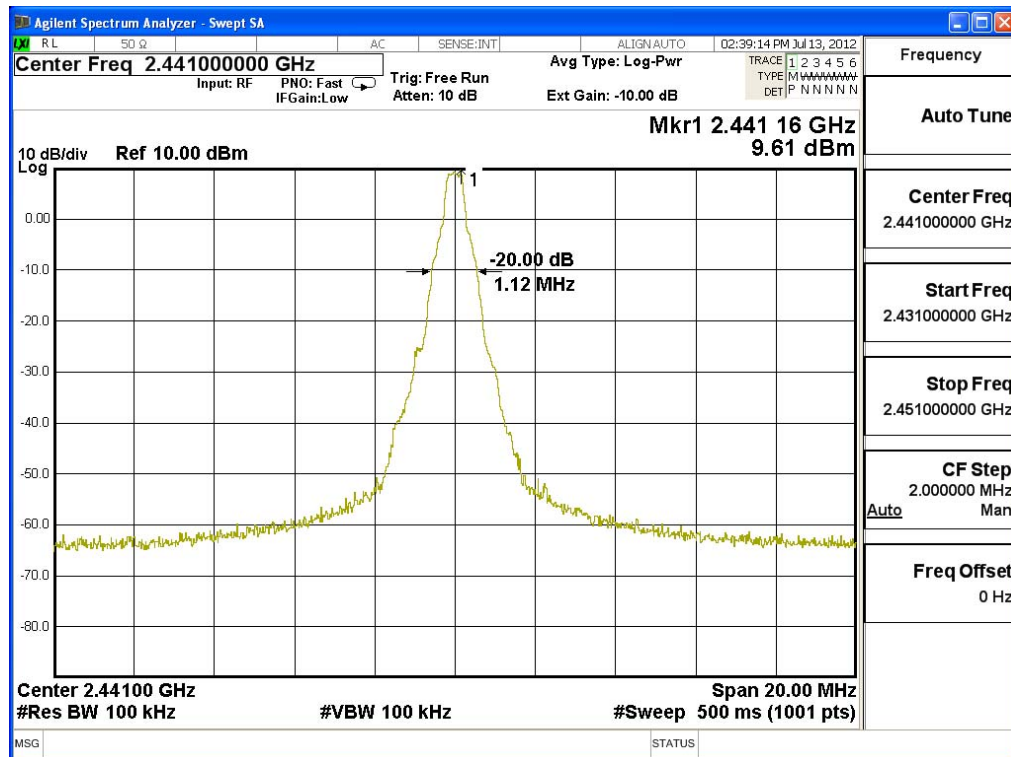
Figure Channel 00:



Product : ASUS Transformer Pad  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2441MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 39          | 2441            | 1120                    | --                   | NA     |

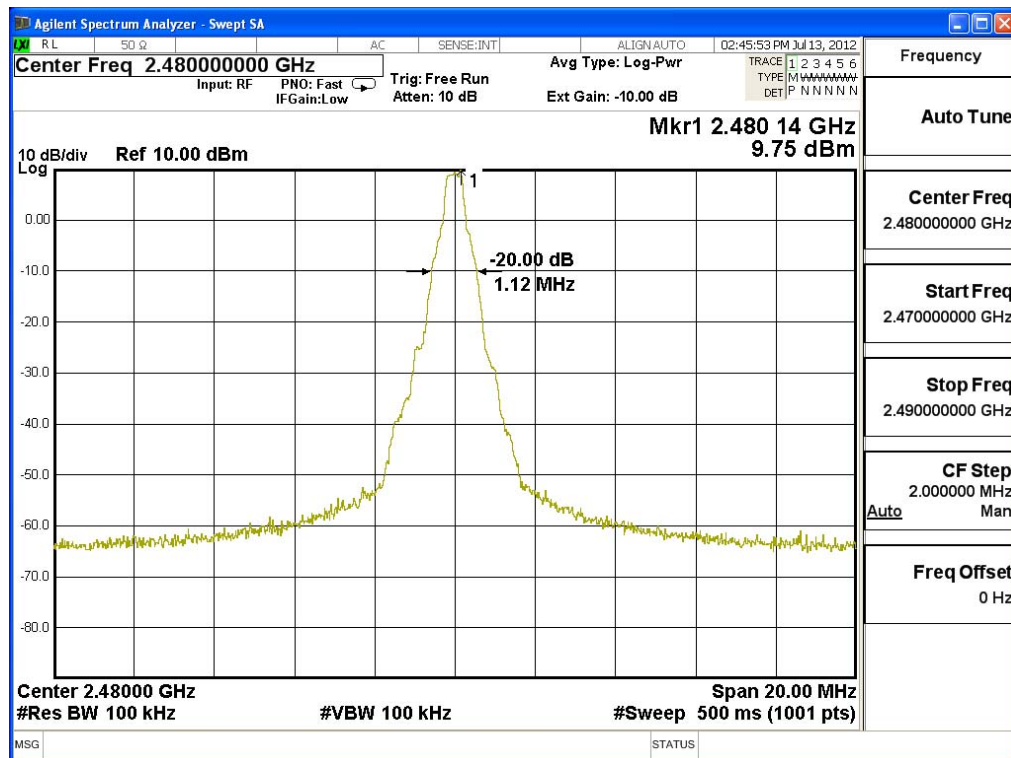
Figure Channel 39:



Product : ASUS Transformer Pad  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit - 1Mbps (GFSK)(2480MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 78          | 2480            | 1120                    | --                   | NA     |

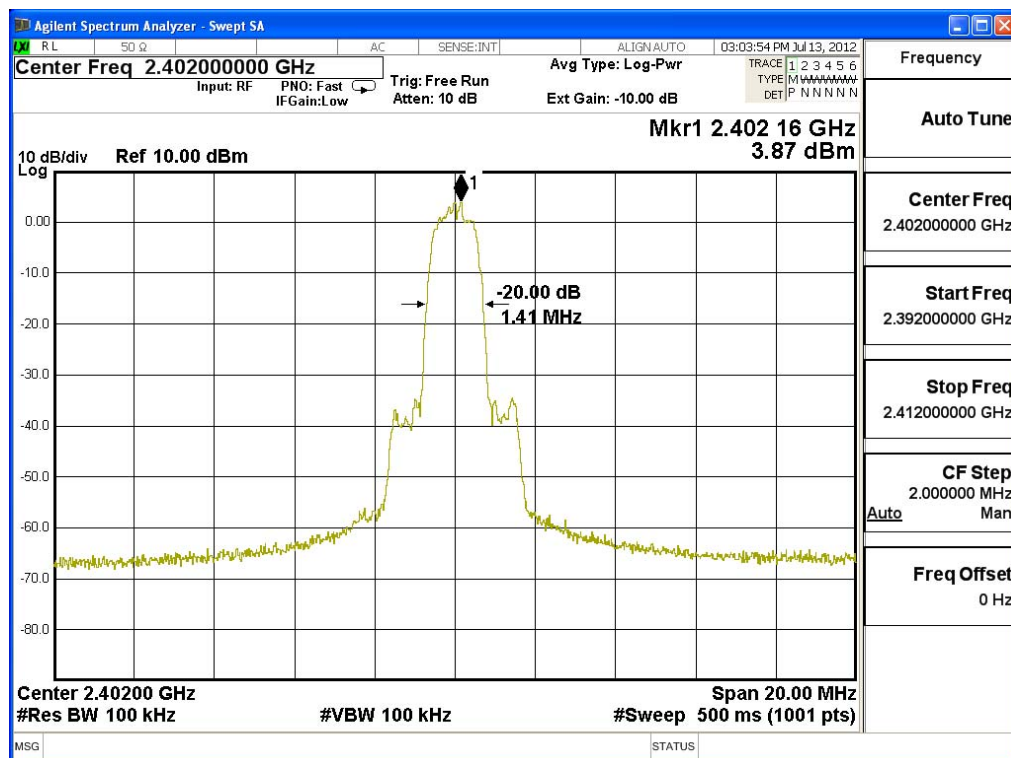
Figure Channel 78:



Product : ASUS Transformer Pad  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit - 3Mbps (8DPSK) (2402MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 00          | 2402            | 1410                    | --                   | NA     |

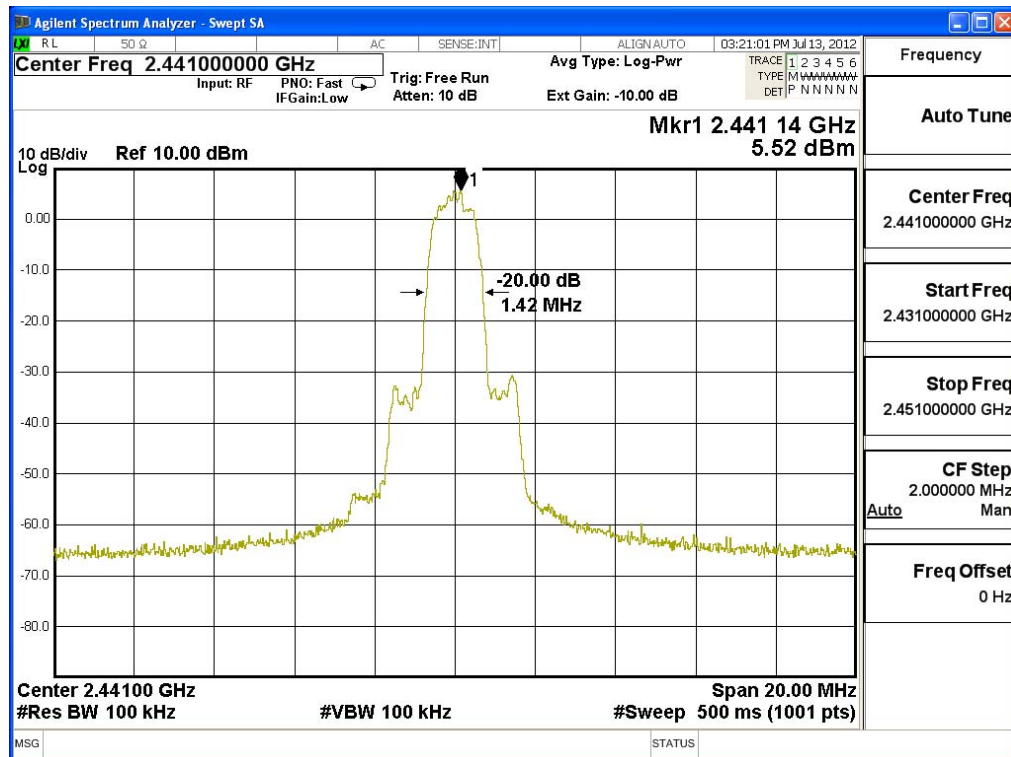
Figure Channel 00:



Product : ASUS Transformer Pad  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit - 3Mbps (8DPSK) (2441MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 39          | 2441            | 1420                    | --                   | NA     |

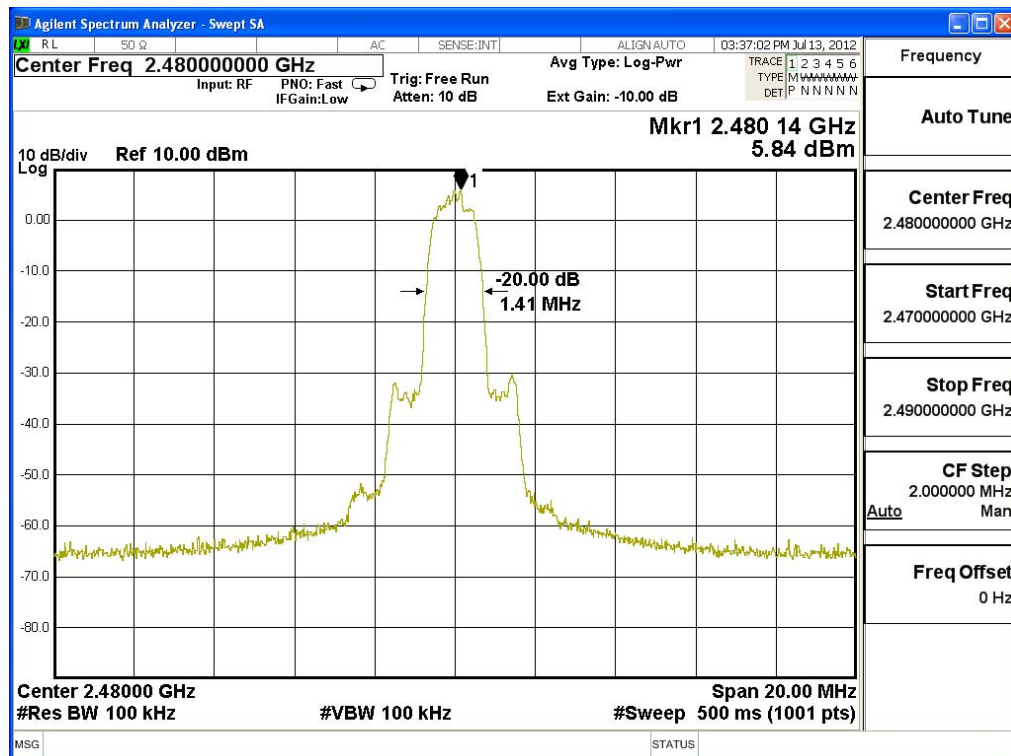
Figure Channel 39:



Product : ASUS Transformer Pad  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit - 3Mbps (8DPSK)(2480MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 78          | 2480            | 1410                    | --                   | NA     |

Figure Channel 78:



## **11. EMI Reduction Method During Compliance Testing**

No modification was made during testing.