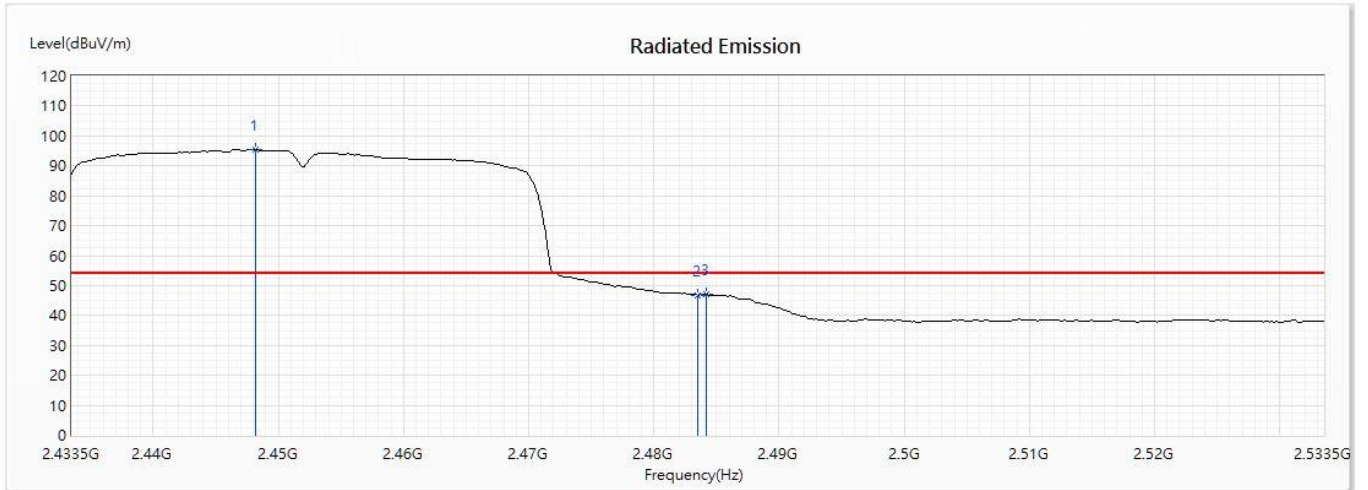


Product : Mobile Computer  
 Test Item : Band Edge Data  
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2452MHz)  
 Test Date : 2020/06/15

**Horizontal**



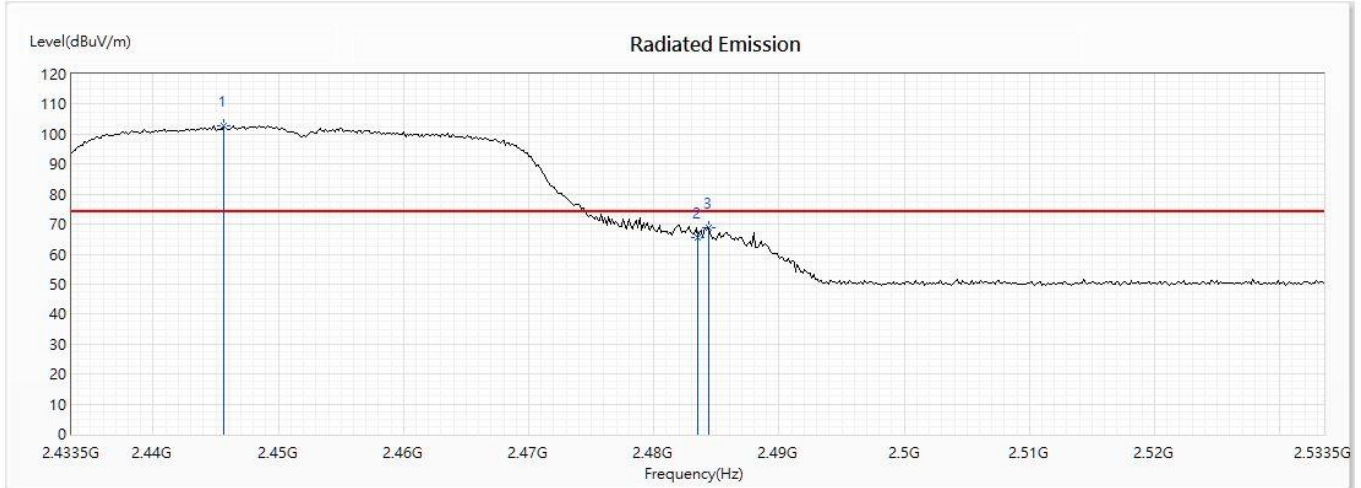
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
! 1	2448.138	95.48	--	--	82.26	13.22	AV
2	2483.5	46.69	54.00	-7.31	33.21	13.48	AV
3	2484.225	46.94	54.00	-7.06	33.45	13.49	AV

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer  
 Test Item : Band Edge Data  
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2452MHz)  
 Test Date : 2020/06/15

**Vertical**



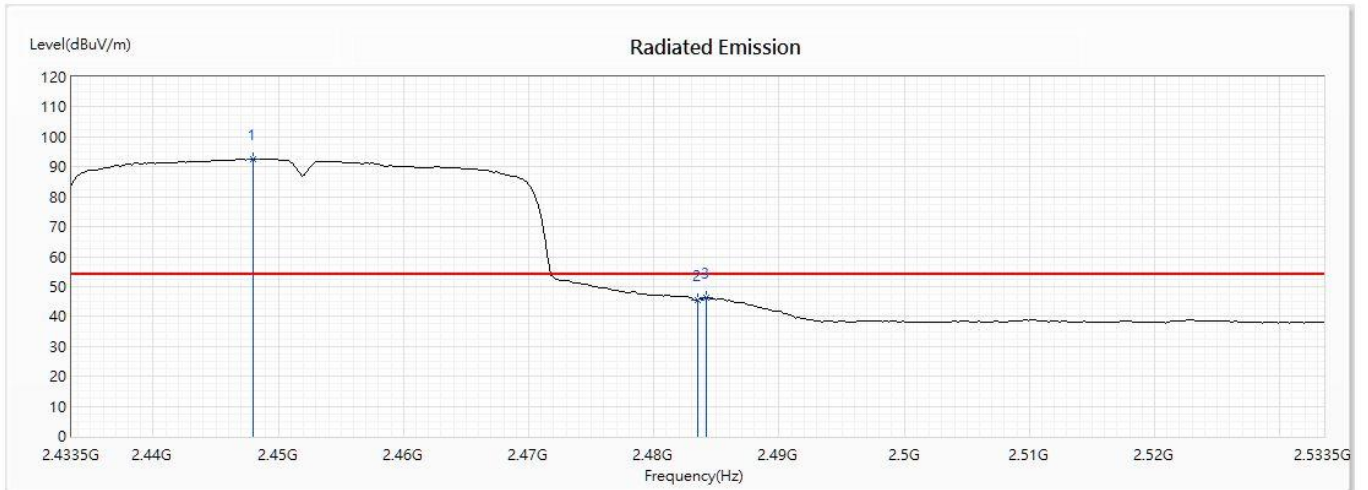
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
! 1	2445.674	102.76	--	--	89.55	13.21	PK
2	2483.5	65.53	74.00	-8.47	52.05	13.48	PK
3	2484.37	68.94	74.00	-5.06	55.45	13.49	PK

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

Product : Mobile Computer  
 Test Item : Band Edge Data  
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW) (2452MHz)  
 Test Date : 2020/06/15

**Vertical**



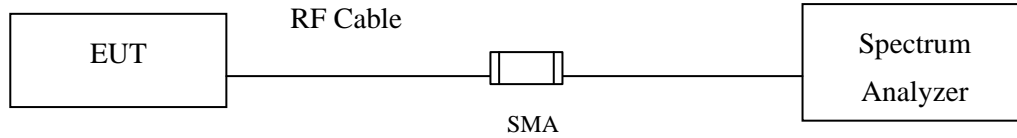
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Detector Type
! 1	2447.993	92.66	--	--	79.44	13.22	AV
2	2483.5	45.42	54.00	-8.58	31.94	13.48	AV
3	2484.225	46.26	54.00	-7.74	32.77	13.49	AV

**Note:**

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Emission Level = Reading Level + Correct Factor.

## 7. 6dB Bandwidth

### 7.1. Test Setup



### 7.2. Limits

The minimum bandwidth shall be at least 500 kHz.

### 7.3. Test Procedure

The EUT was setup according to ANSI C63.4, 2014; tested according to ANSI C63.10 Section 11.8 for compliance to FCC 47CFR 15.247 requirements.

### 7.4. Test Result of 6dB Bandwidth

Product : Mobile Computer  
 Test Item : 6dB Bandwidth Data  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	8650	>500	Pass
06	2437	8650	>500	Pass
11	2462	8650	>500	Pass

Figure Channel 01:

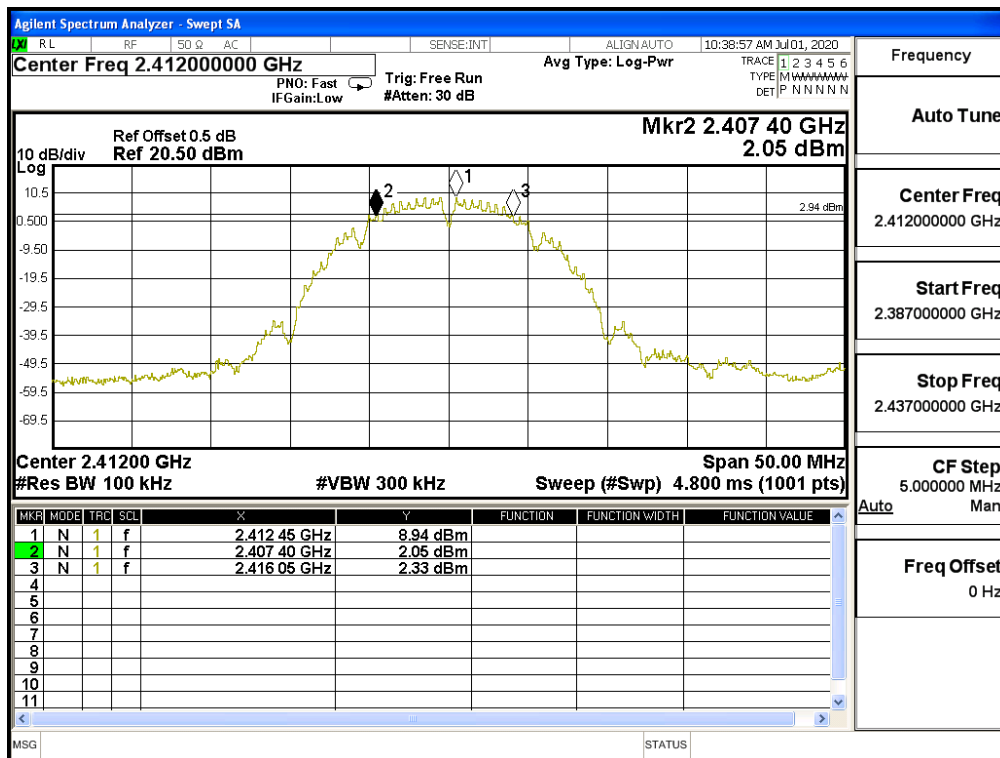


Figure Channel 06:

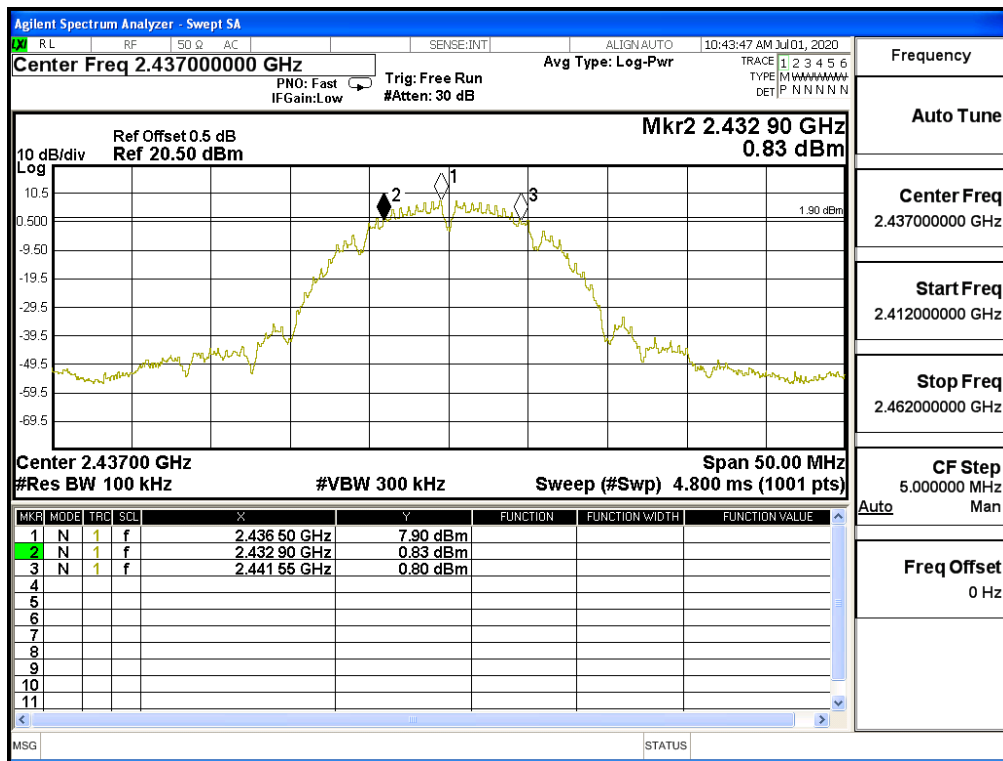
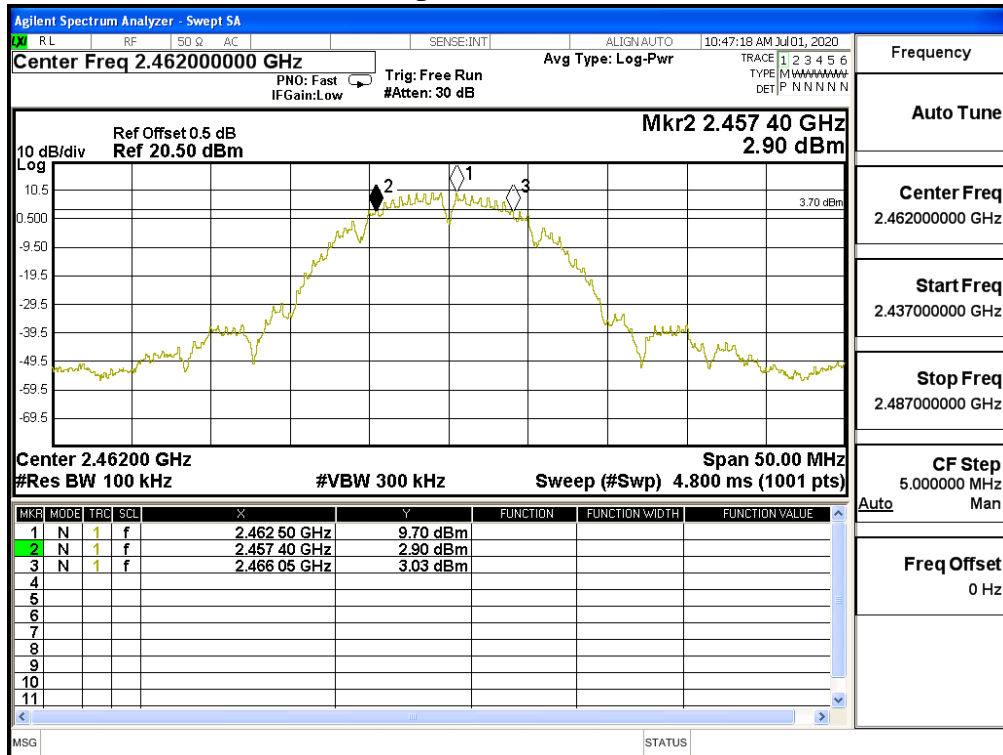


Figure Channel 11:



Product : Mobile Computer  
 Test Item : 6dB Bandwidth Data  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	16405	>500	Pass
06	2437	16400	>500	Pass
11	2462	15900	>500	Pass

Figure Channel 01:

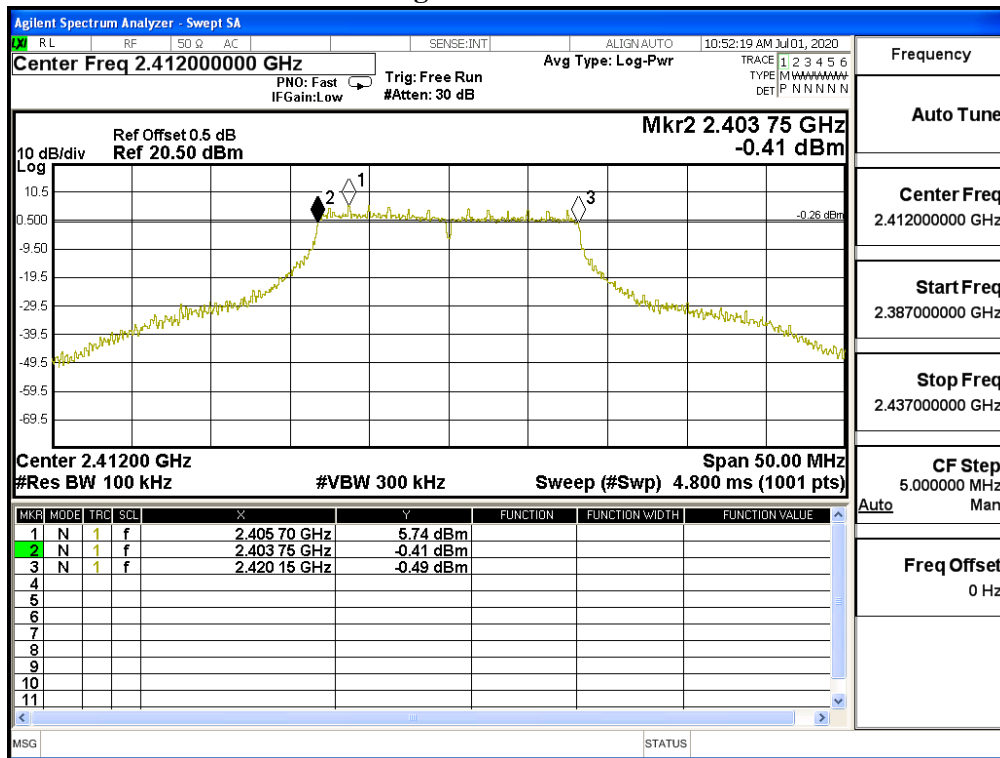


Figure Channel 06:

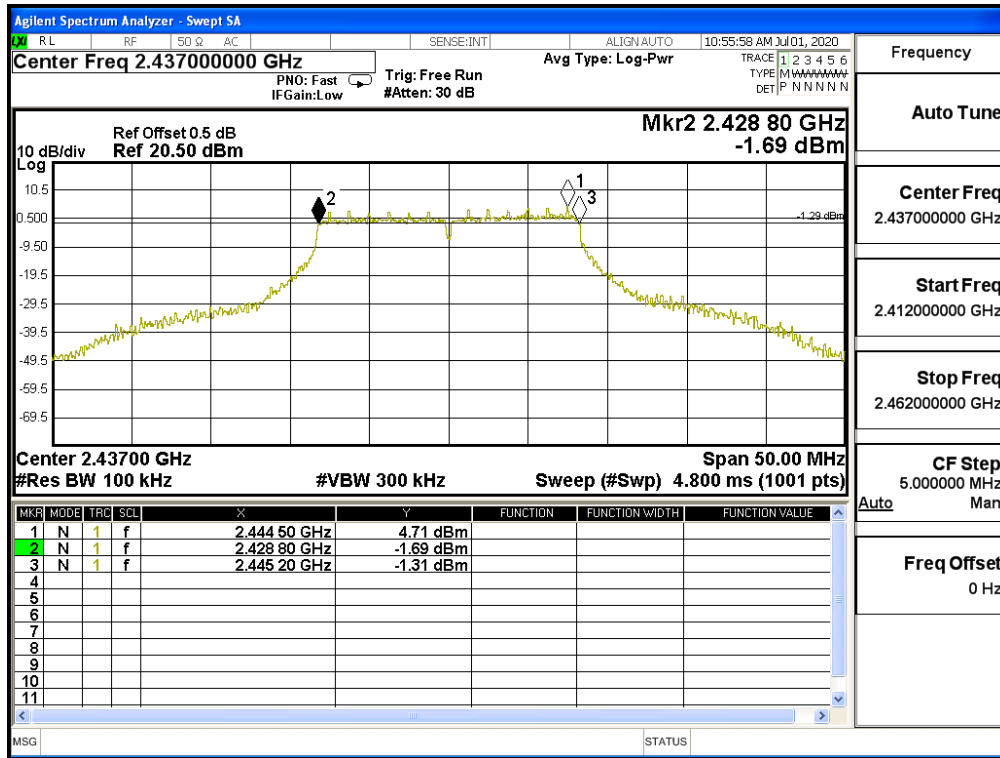
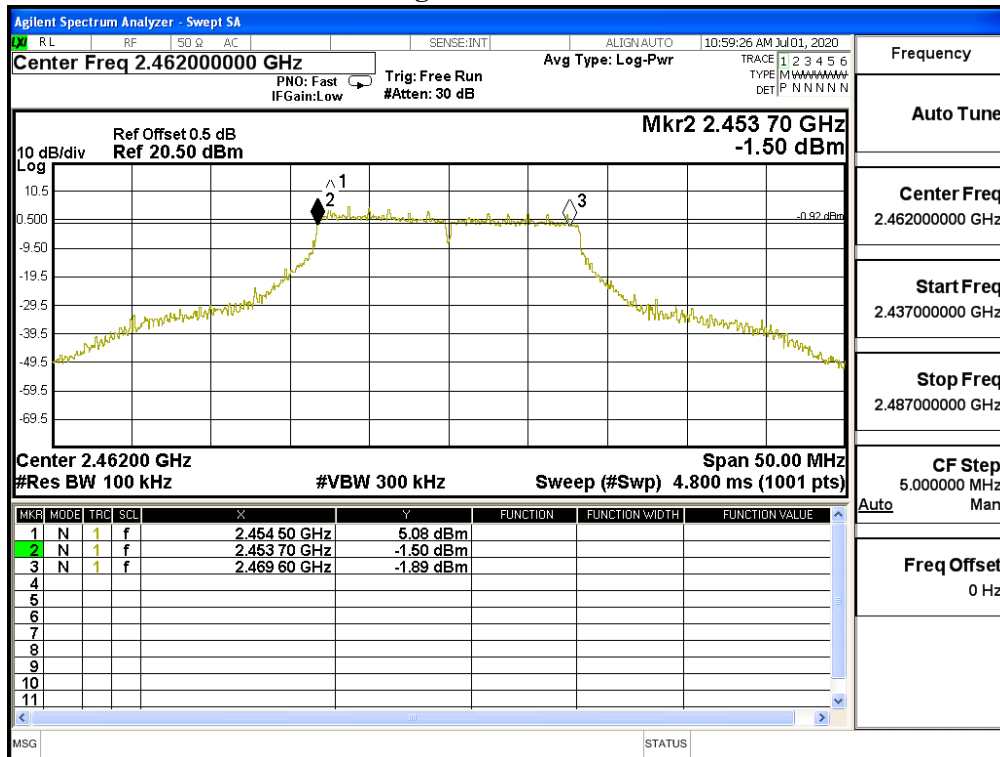


Figure Channel 11:





Product : Mobile Computer  
 Test Item : 6dB Bandwidth Data  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
01	2412	17400	>500	Pass
06	2437	17650	>500	Pass
11	2462	16700	>500	Pass

Figure Channel 01:

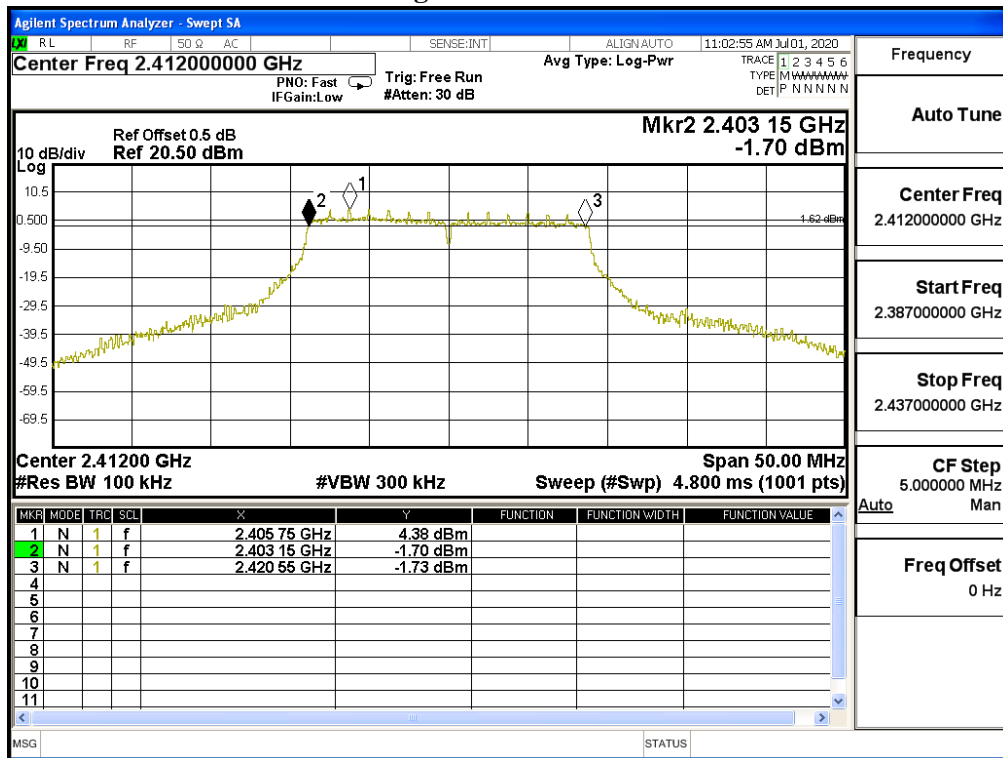


Figure Channel 06:

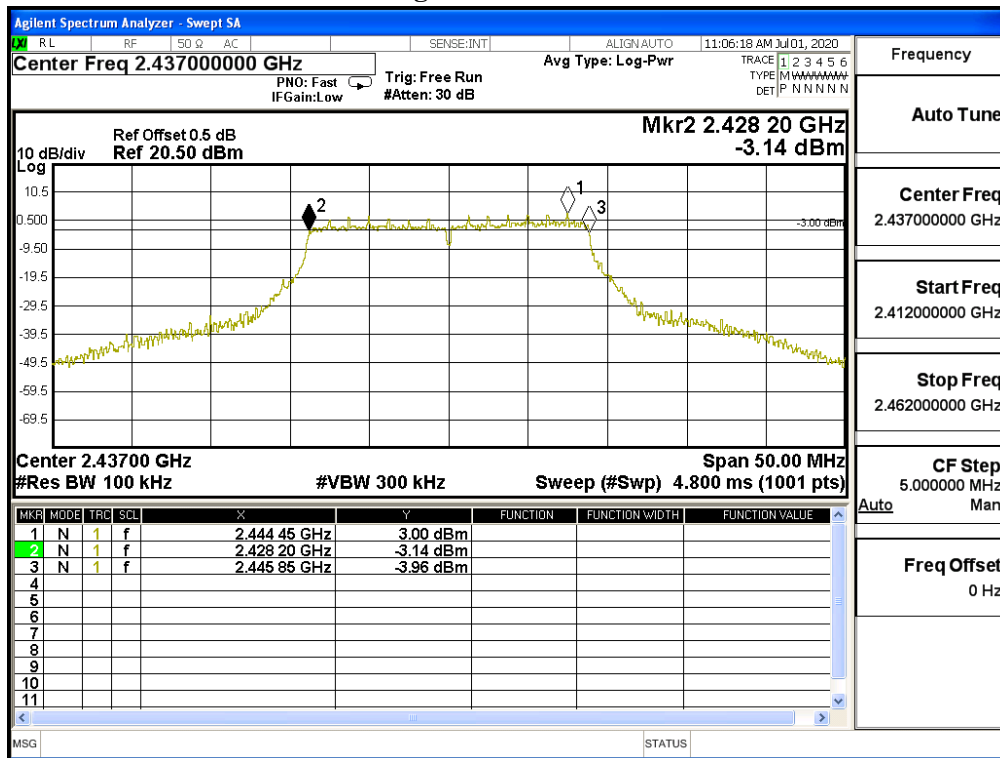
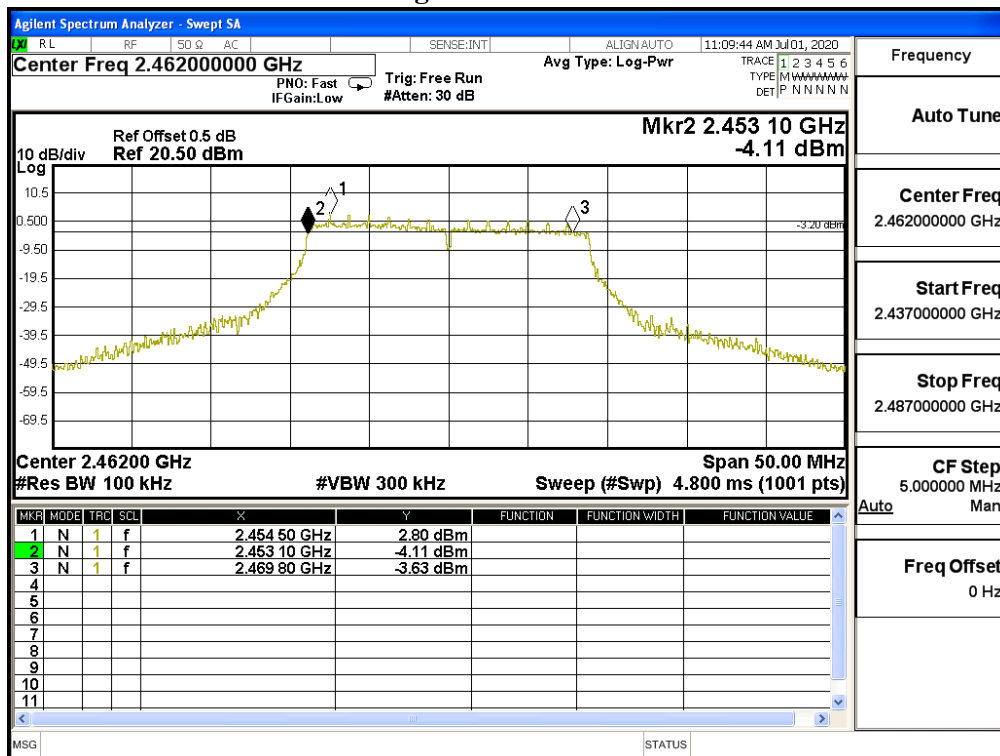


Figure Channel 11:



Product : Mobile Computer  
 Test Item : 6dB Bandwidth Data  
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)

Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
03	2422	35800	>500	Pass
06	2437	35400	>500	Pass
09	2452	35300	>500	Pass

Figure Channel 03:

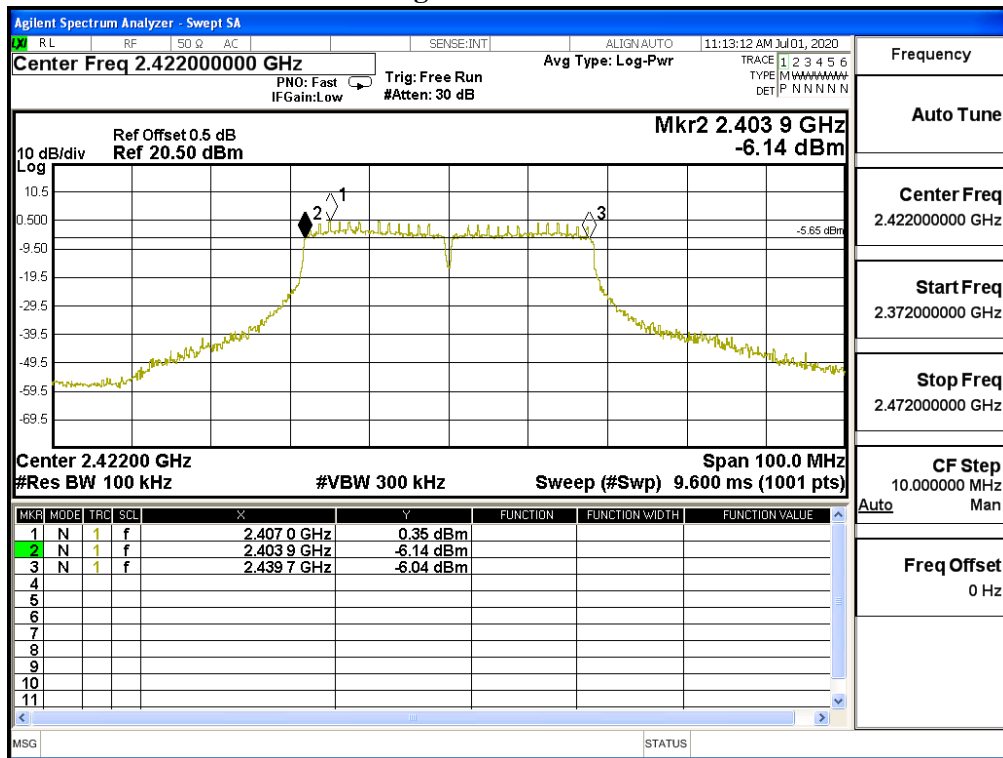


Figure Channel 06:

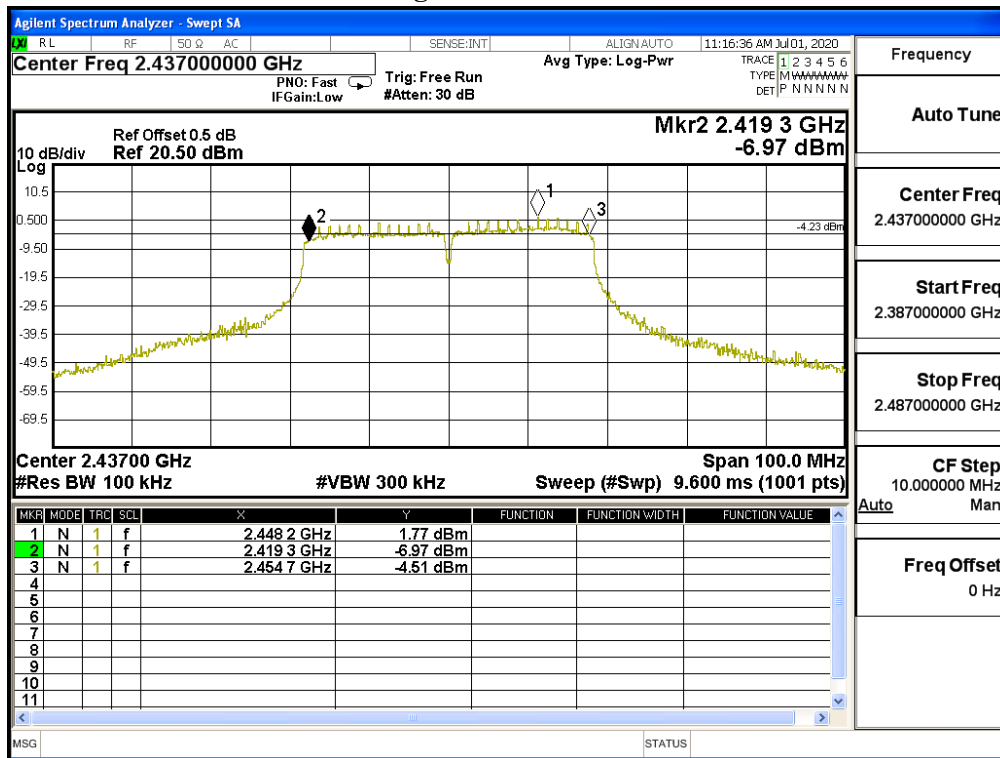
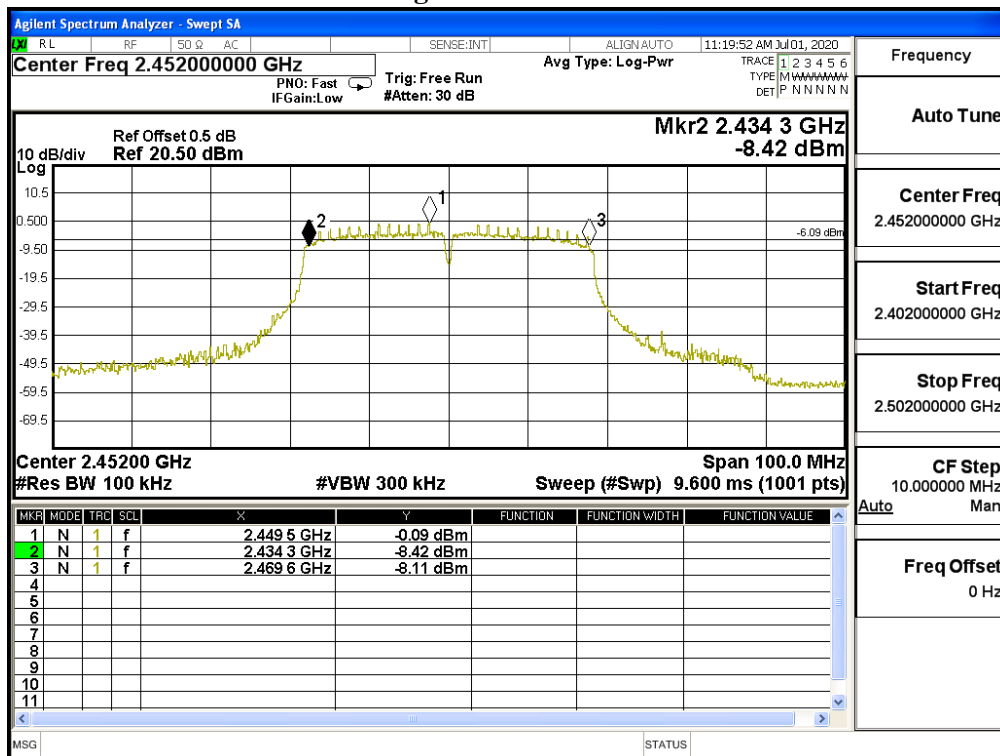
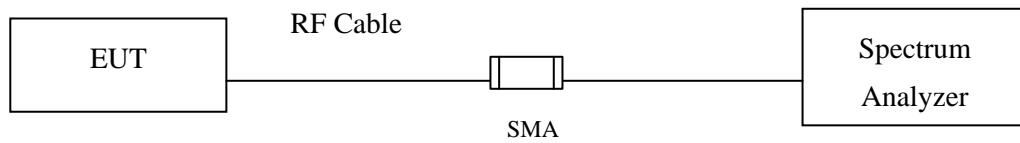


Figure Channel 09:



## 8. Power Density

### 8.1. Test Setup



### 8.2. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

### 8.3. Test Procedure

The EUT was setup according to ANSI C63.10, 2013; tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The maximum power spectral density using C63.10 Section 11.10.2 Method PKPSD (peak PSD)

### 8.4. Test Result of Power Density

Product : Mobile Computer  
 Test Item : Power Density Data  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	7.67	≤ 8dBm	Pass
06	2437	7.82	≤ 8dBm	Pass
11	2462	6.48	≤ 8dBm	Pass

Figure Channel 01:

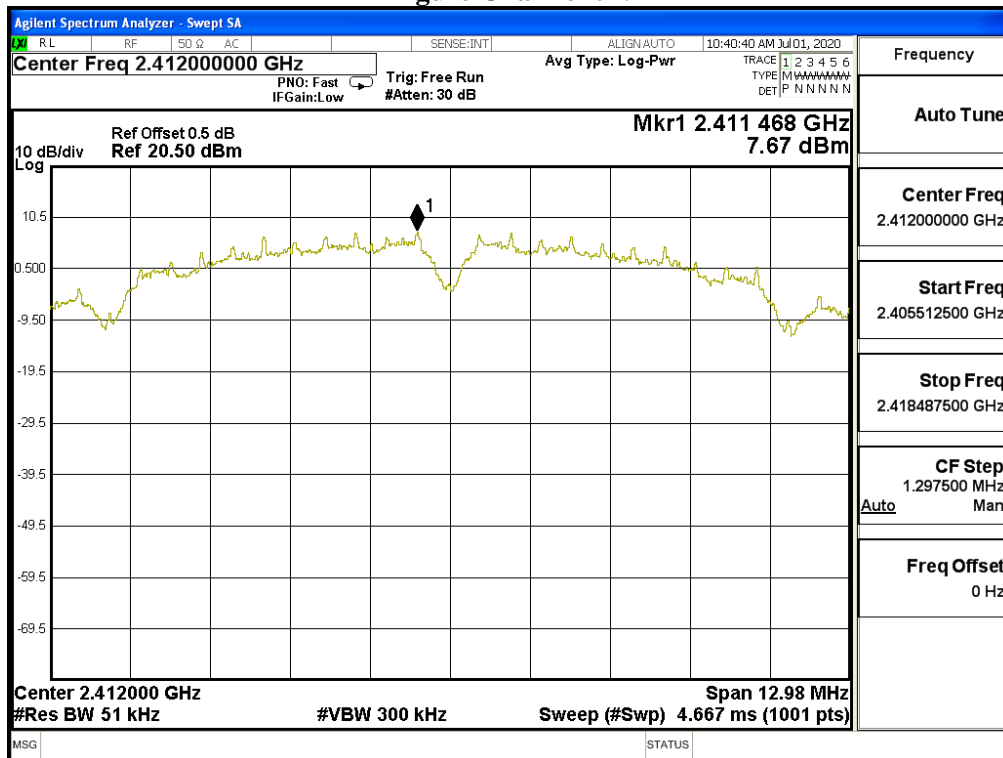


Figure Channel 06:

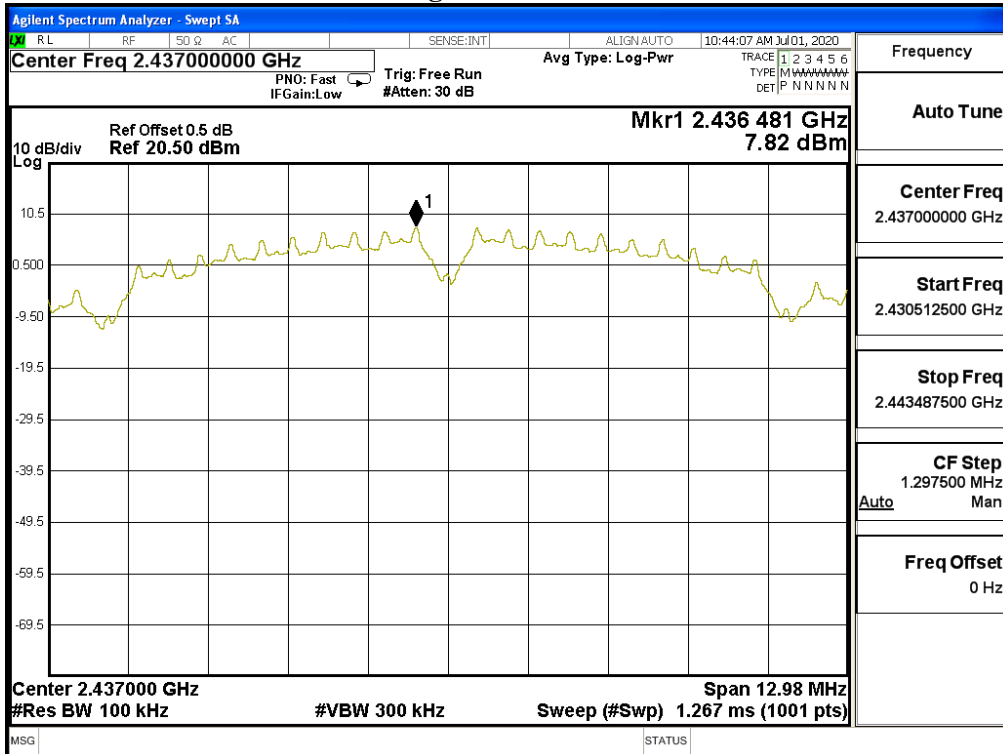
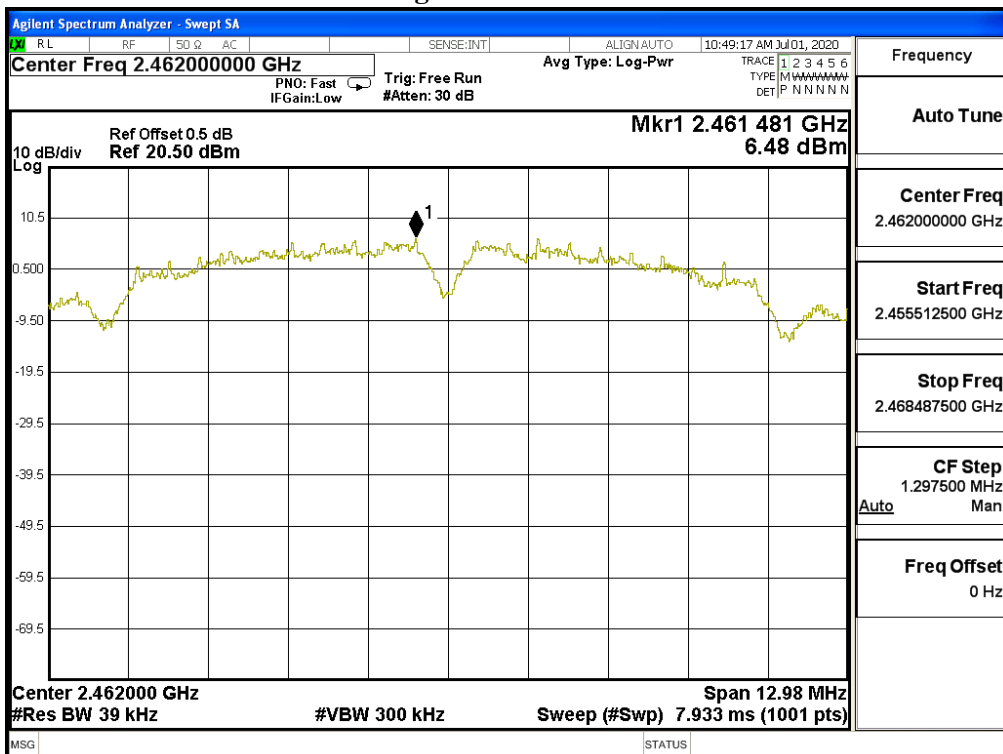


Figure Channel 11:



Product : Mobile Computer  
 Test Item : Power Density Data  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	5.97	≤ 8dBm	Pass
06	2437	4.37	≤ 8dBm	Pass
11	2462	5.03	≤ 8dBm	Pass

Figure Channel 01:

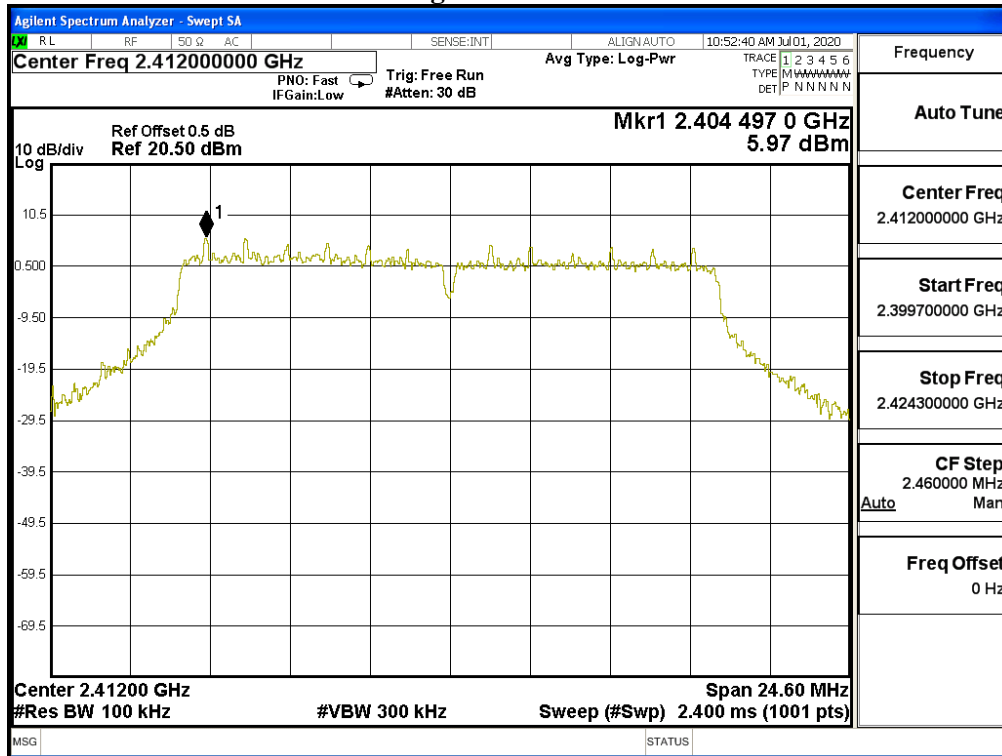




Figure Channel 06:

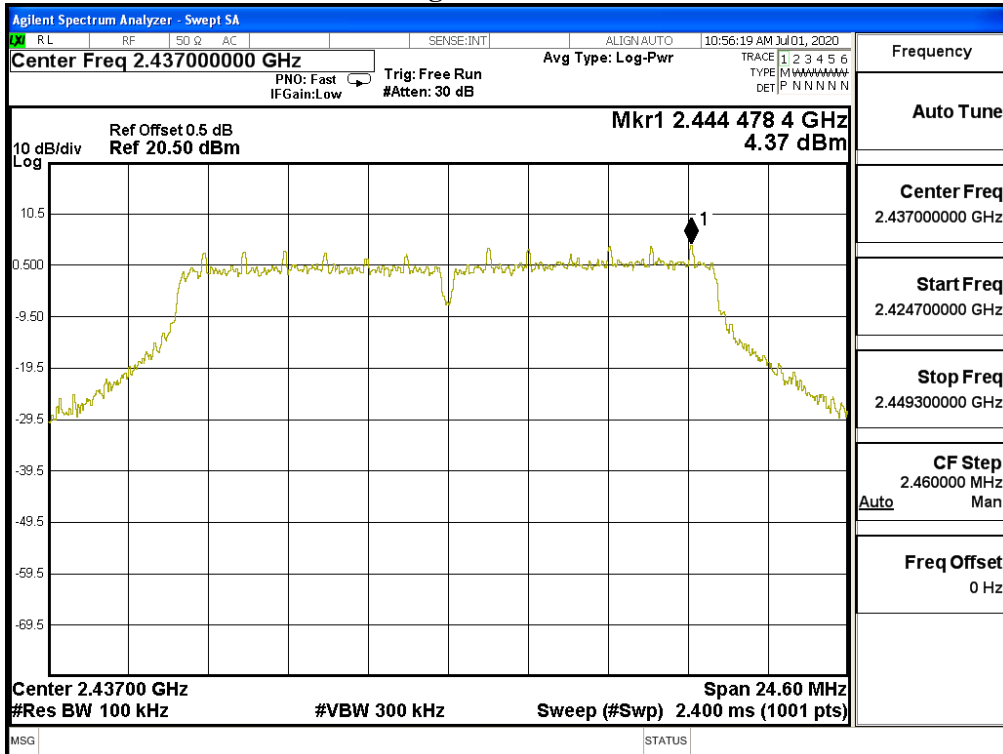
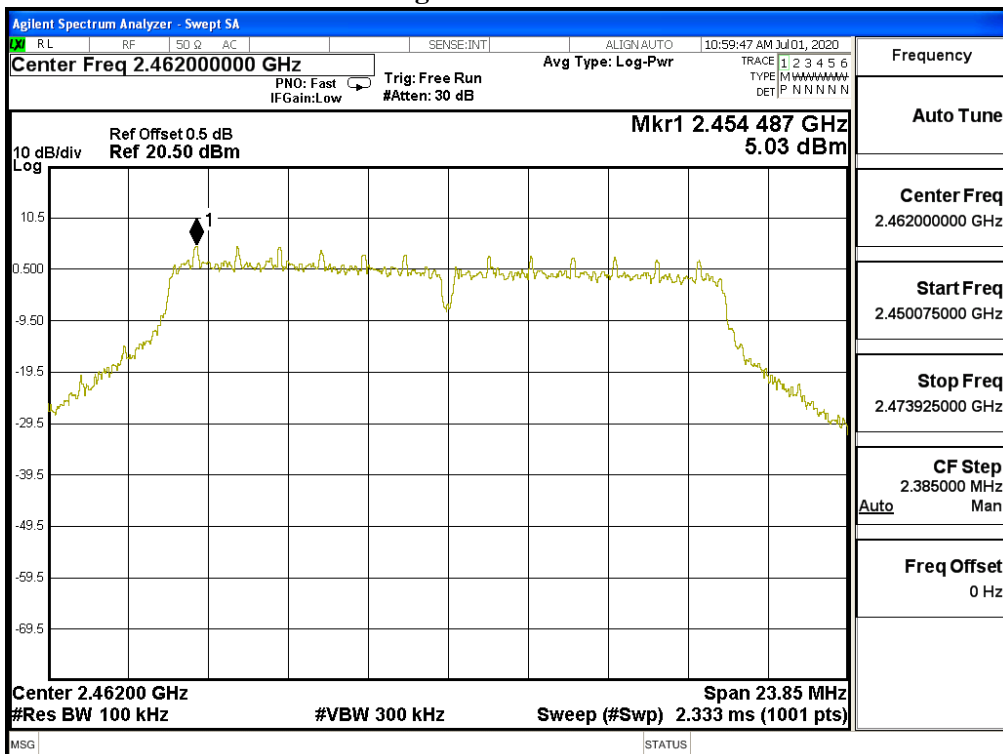


Figure Channel 11:



Product : Mobile Computer  
 Test Item : Power Density Data  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
01	2412	4.68	≤ 8dBm	Pass
06	2437	3.45	≤ 8dBm	Pass
11	2462	2.90	≤ 8dBm	Pass

Figure Channel 01:

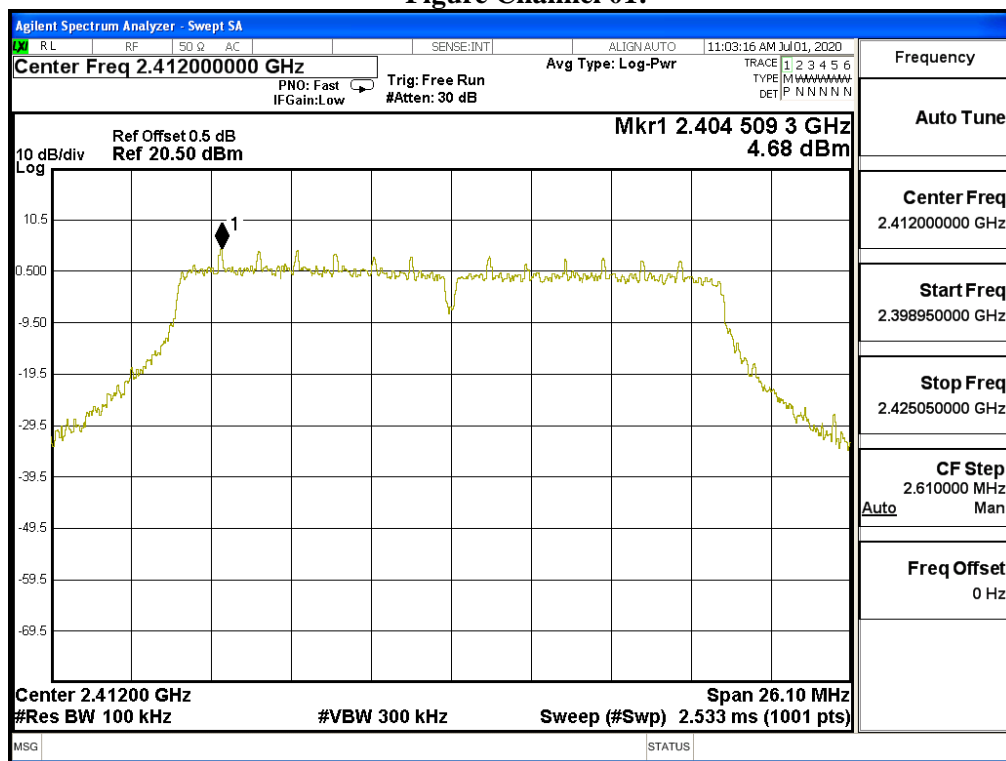


Figure Channel 06:

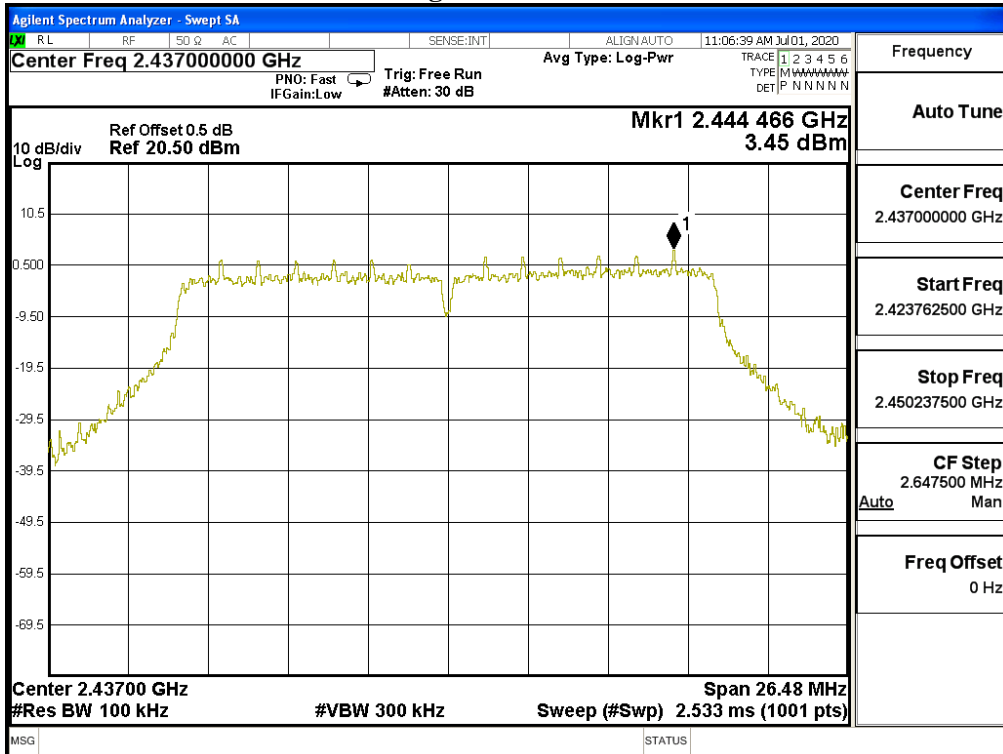
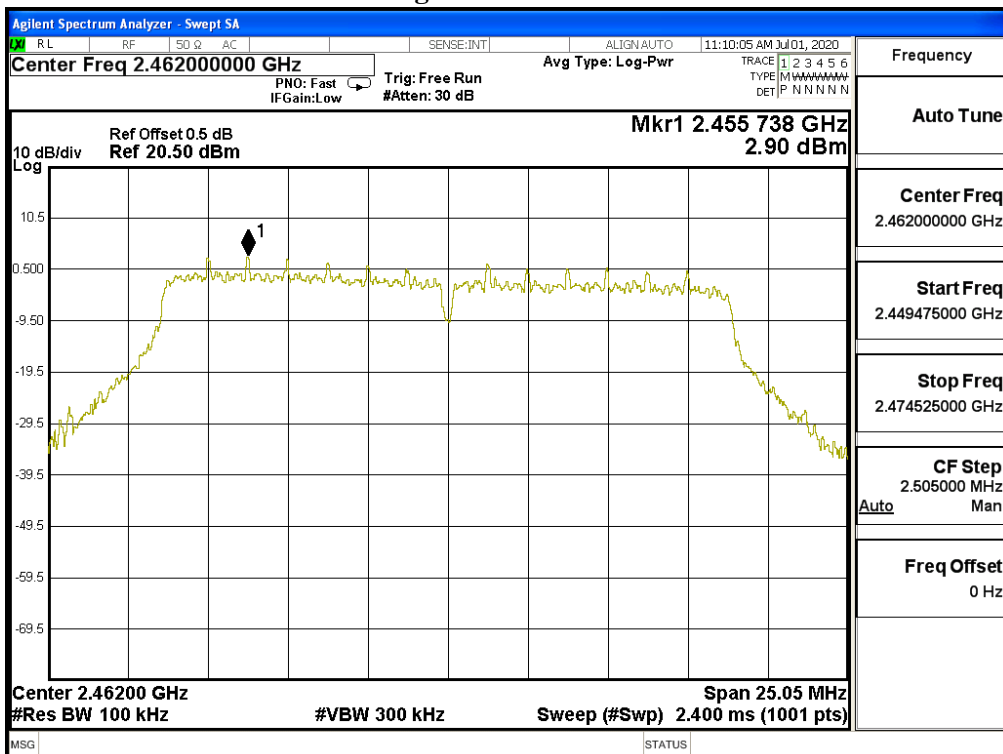


Figure Channel 11:



Product : Mobile Computer  
 Test Item : Power Density Data  
 Test Mode : Mode 4: Transmit (802.11n MCS0 15Mbps 40M-BW)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
03	2422	0.31	≤ 8dBm	Pass
06	2437	1.72	≤ 8dBm	Pass
09	2452	-0.11	≤ 8dBm	Pass

Figure Channel 03:

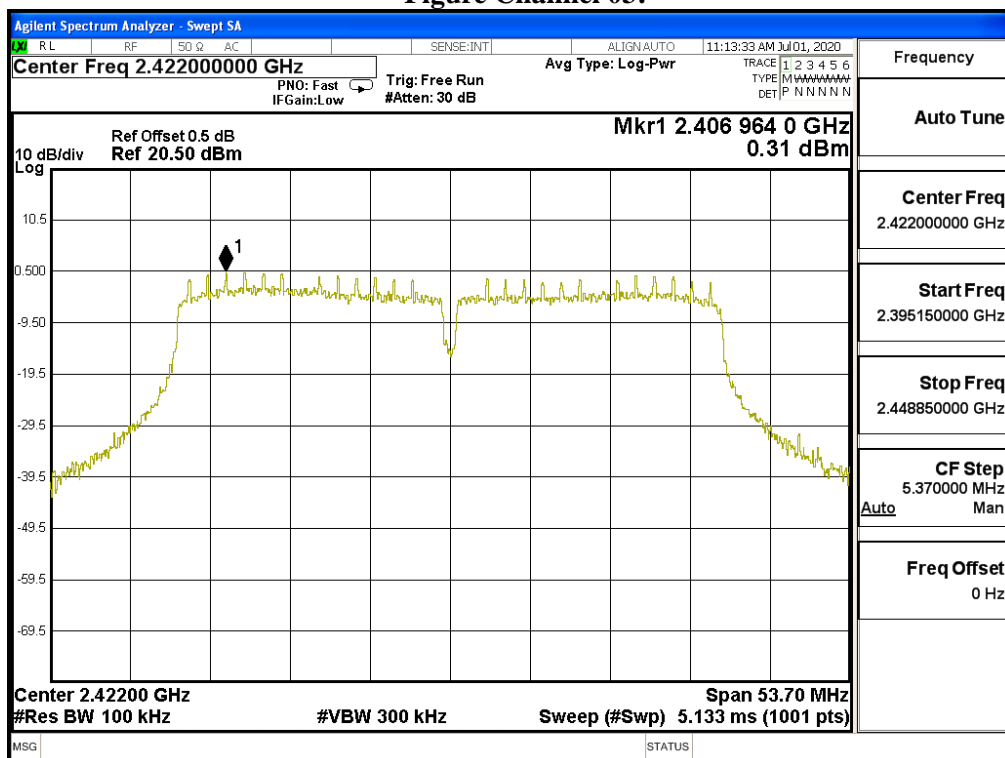


Figure Channel 06:

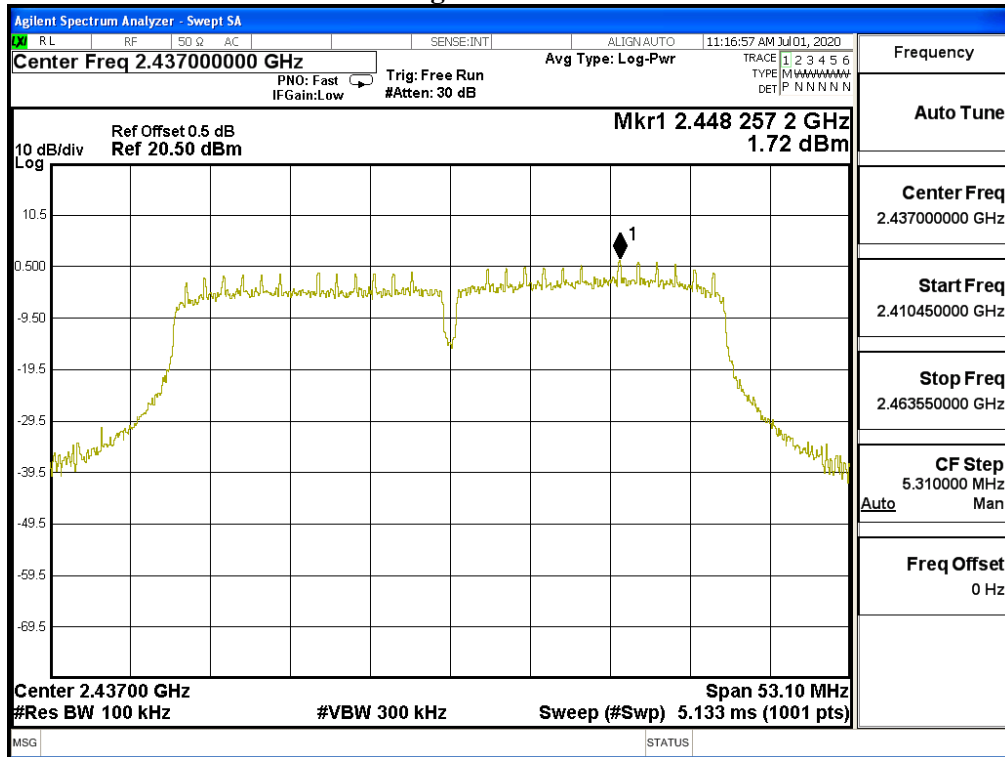
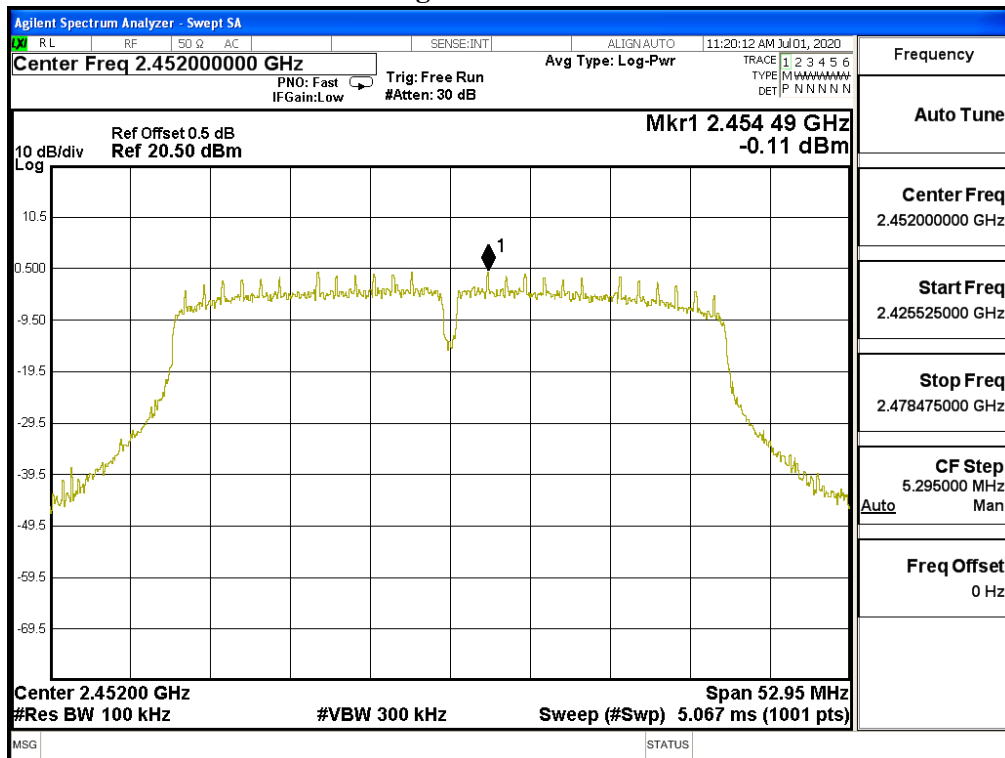
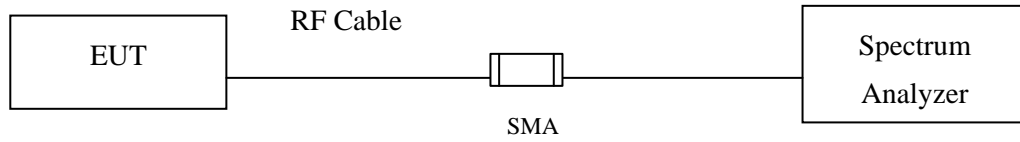


Figure Channel 09:



## 9. Duty Cycle

### 9.1. Test Setup



### 9.2. Test Procedure

The EUT was setup according to ANSI C63.10 2013; tested according to ANSI C63.10 2013 for compliance to FCC 47CFR 15.247 requirements.

### 9.3. Test Result of Duty Cycle

Product : Mobile Computer  
 Test Item : Duty Cycle  
 Test Mode : Transmit

Duty Cycle Formula:

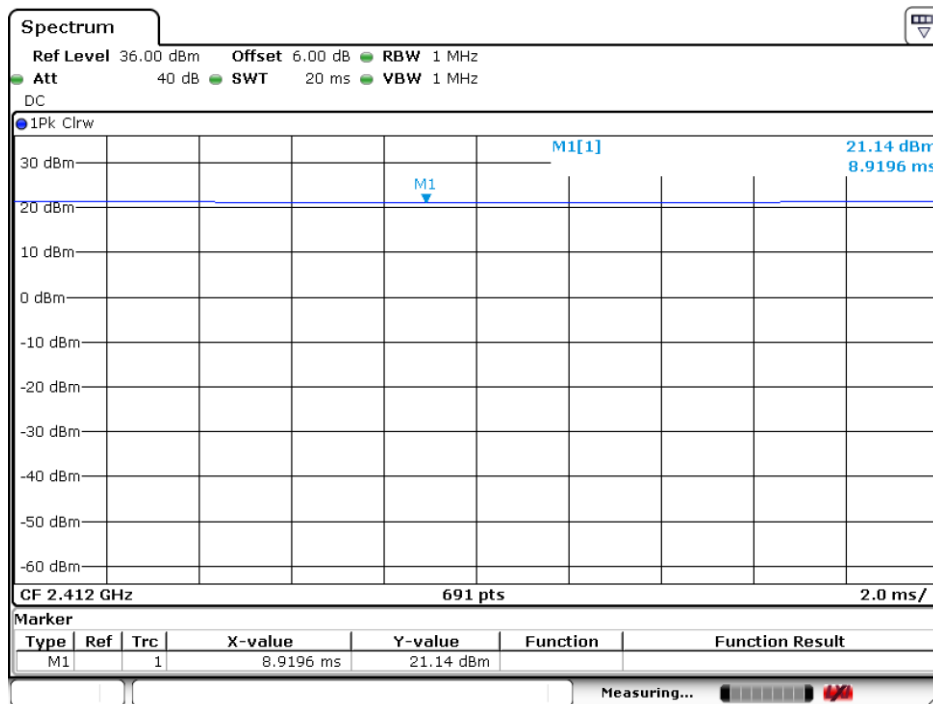
$$\text{Duty Cycle} = \text{Ton} / (\text{Ton} + \text{Toff})$$

$$\text{Duty Factor} = 10 \text{ Log} (1/\text{Duty Cycle})$$

Results:

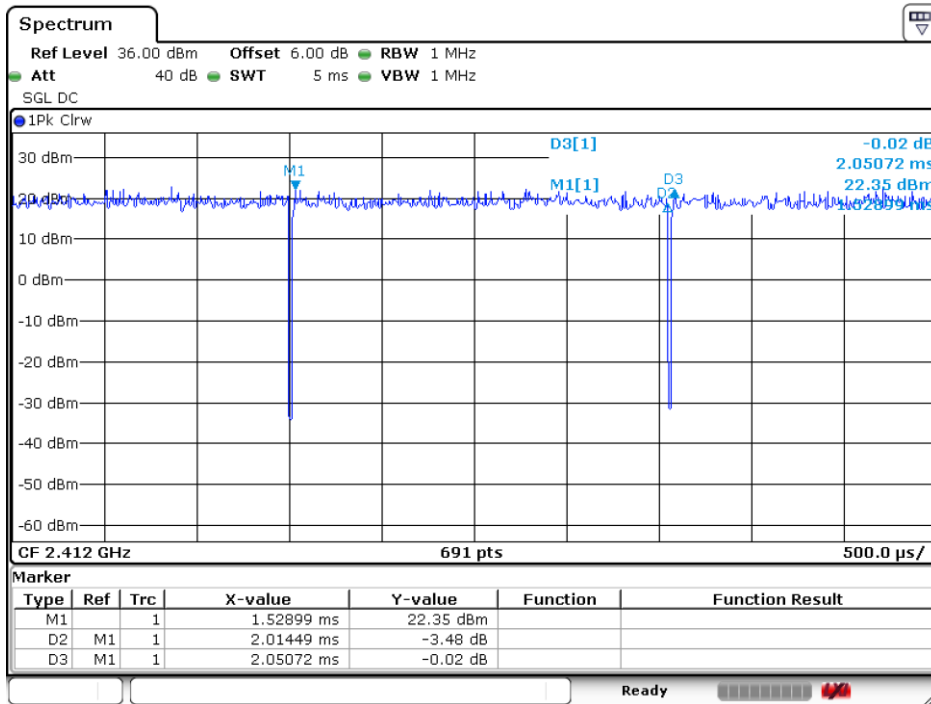
2.4GHz band	Ton (ms)	Ton + Toff (ms)	Duty Cycle (%)	Duty Factor (dB)
802.11b	8.9196	8.9196	100.00	0.00
802.11g	2.0145	2.0507	98.23	0.08
802.11n20	1.8341	1.9065	96.20	0.17
802.11n40	3.7471	3.8051	98.48	0.07

#### 802.11b



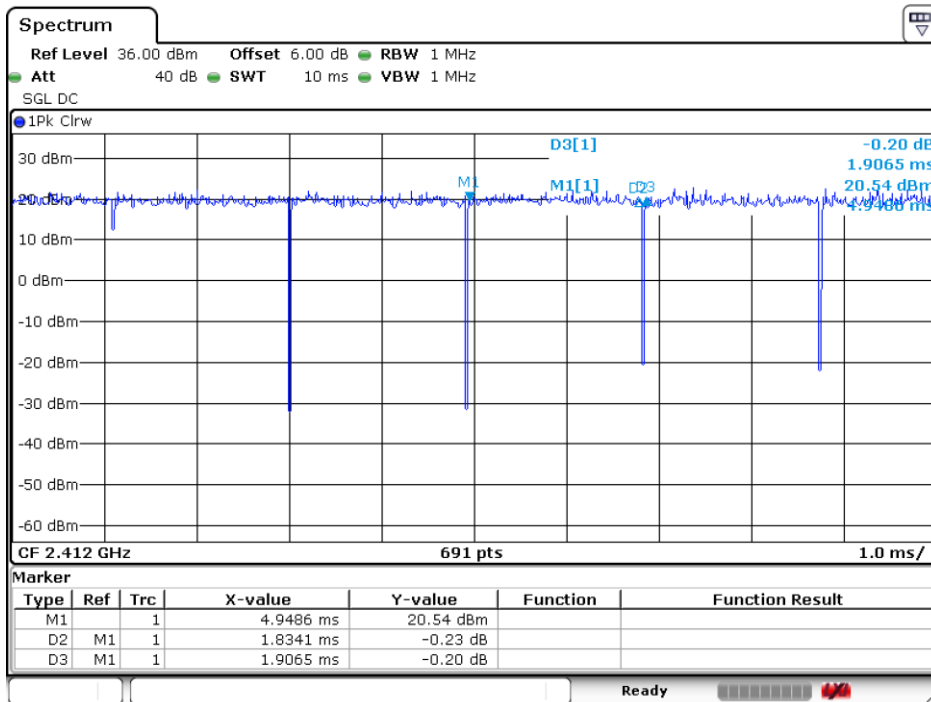
Date: 1.JUL.2020 06:01:22

802.11g



Date: 1.JUL.2020 05:56:05

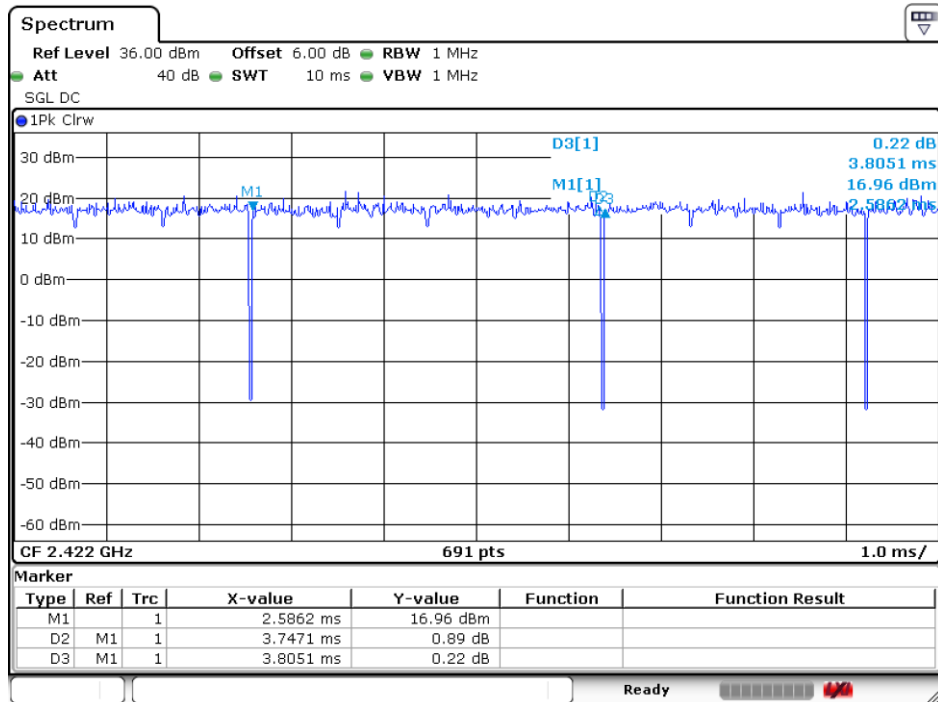
802.11n20



Date: 1.JUL.2020 06:02:57



802.11n40



Date: 1.JUL.2020 06:04:03

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**10. EMI Reduction Method During Compliance Testing**

No modification was made during testing.