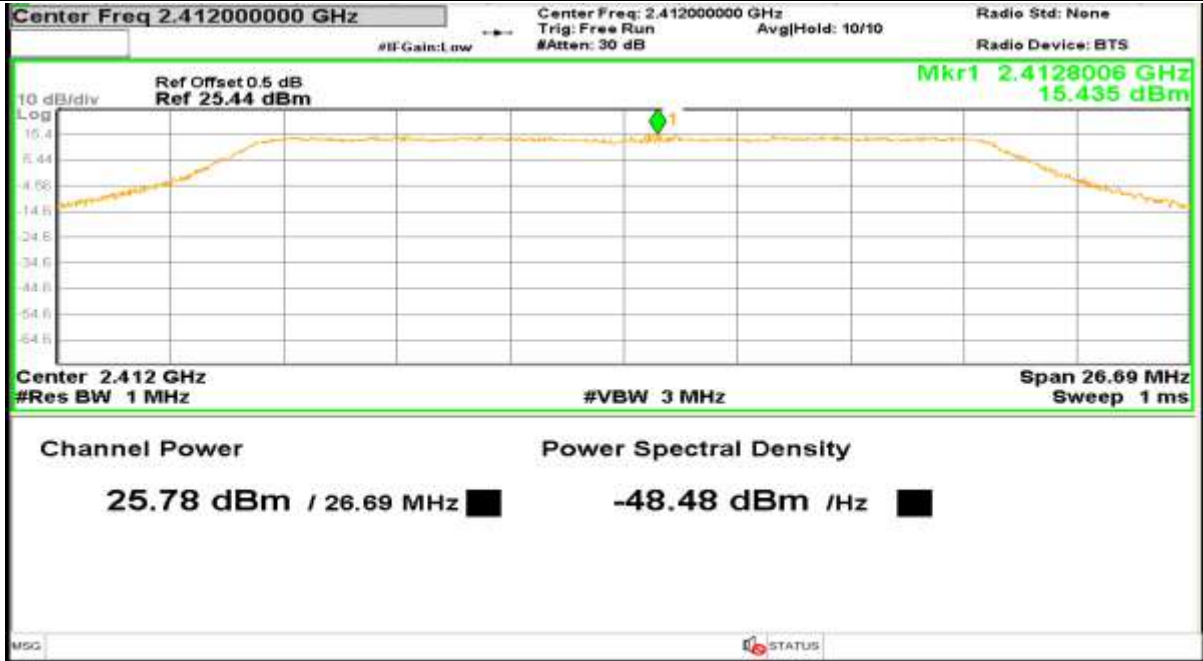
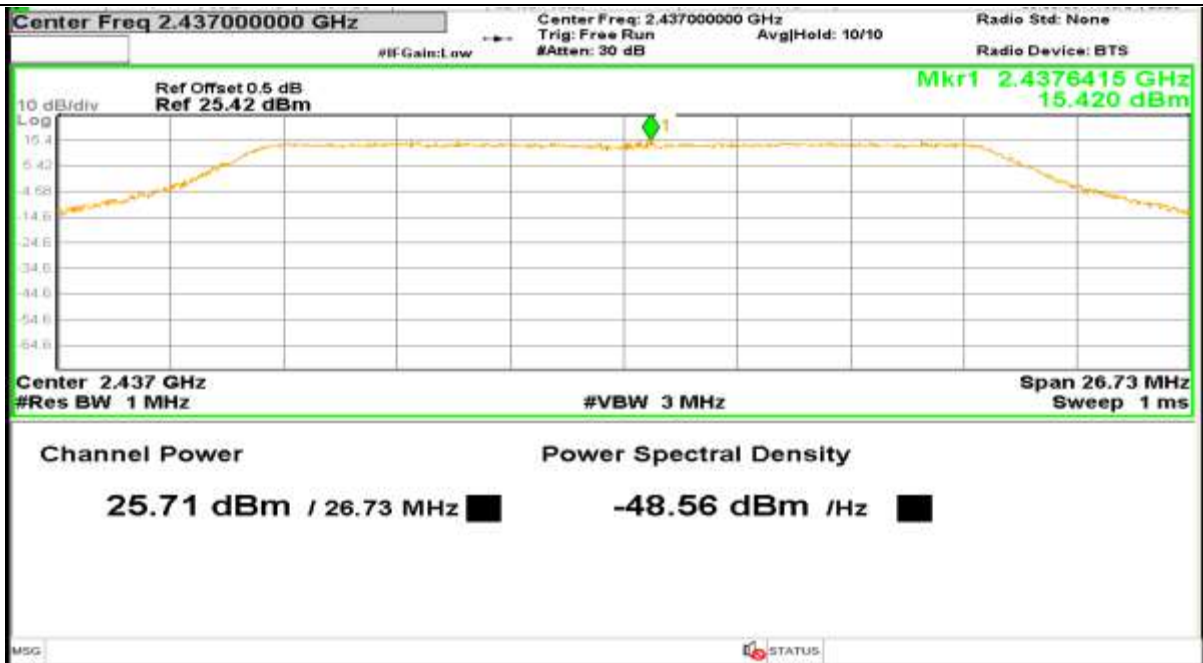


802.11n(HT20) mode with 72.2Mbps data rate

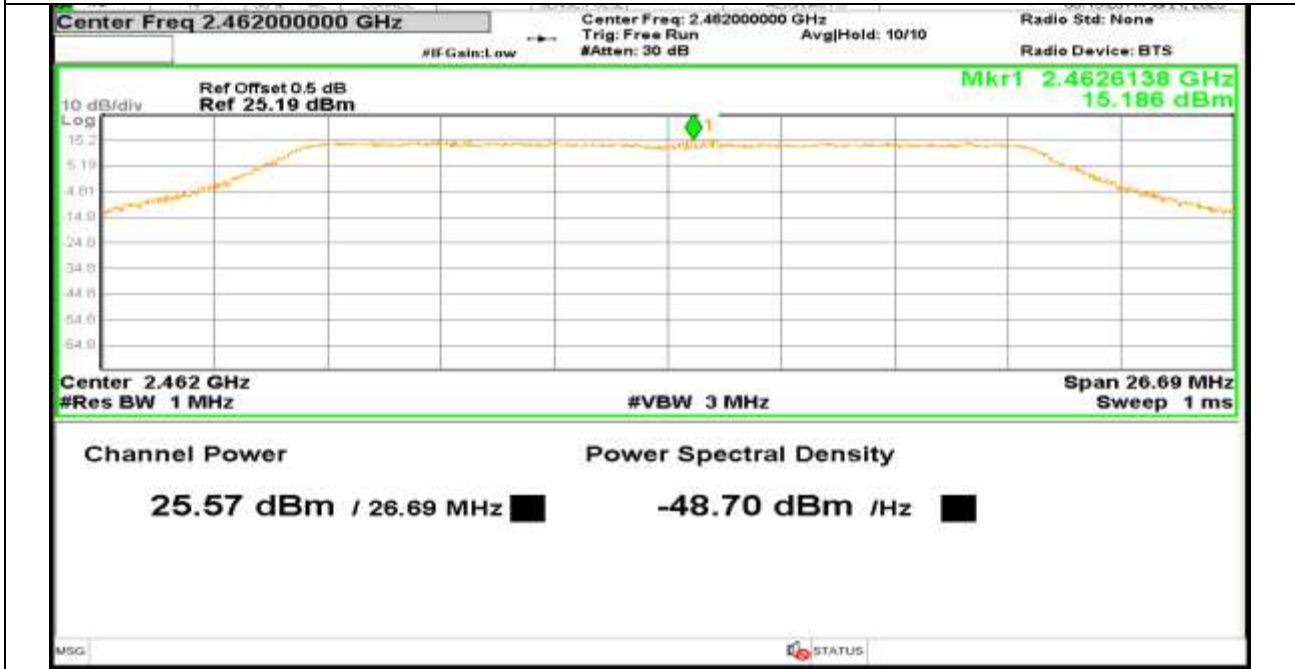
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:

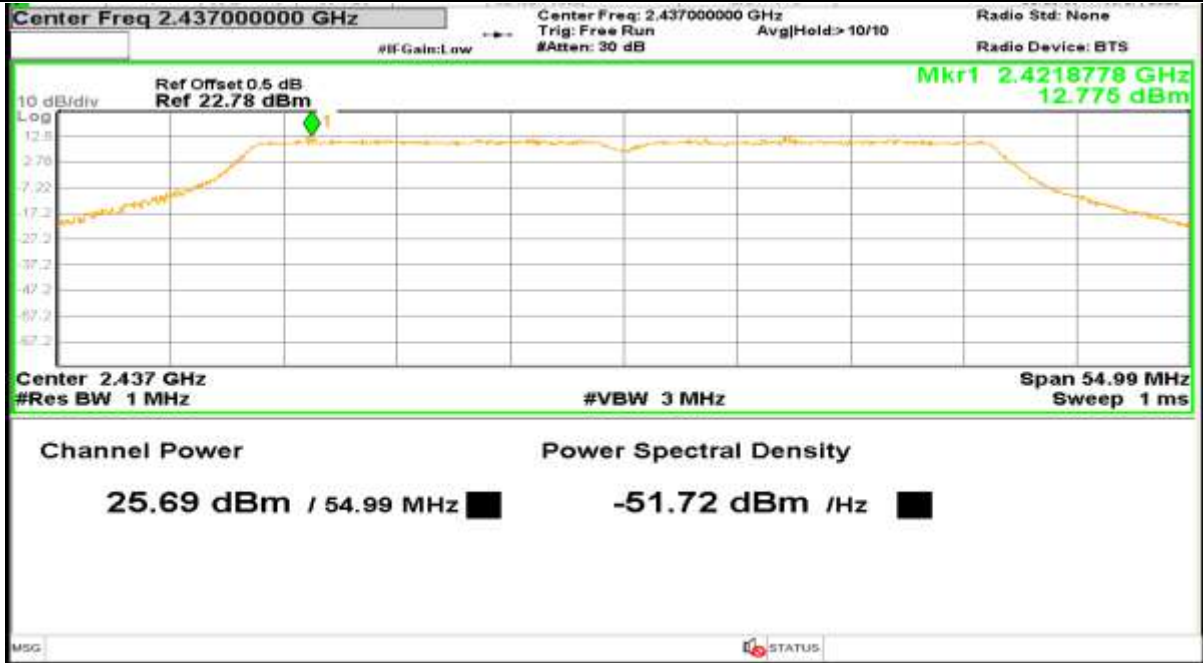


802.11n(HT40) mode with MCS0 data rate

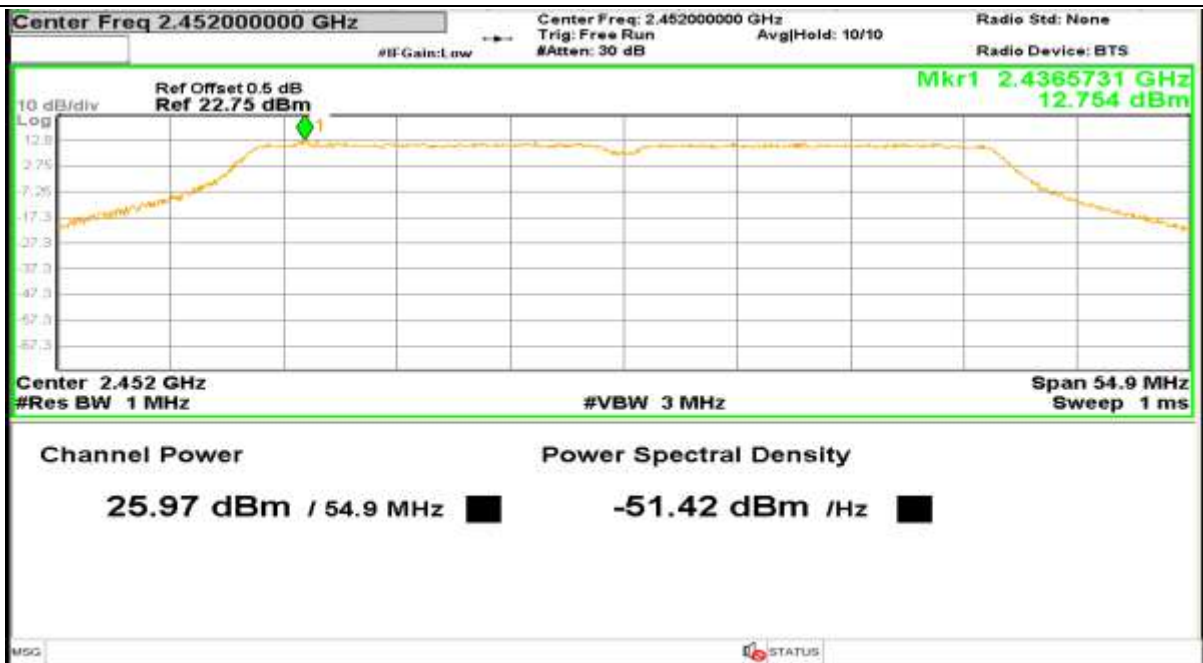
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:

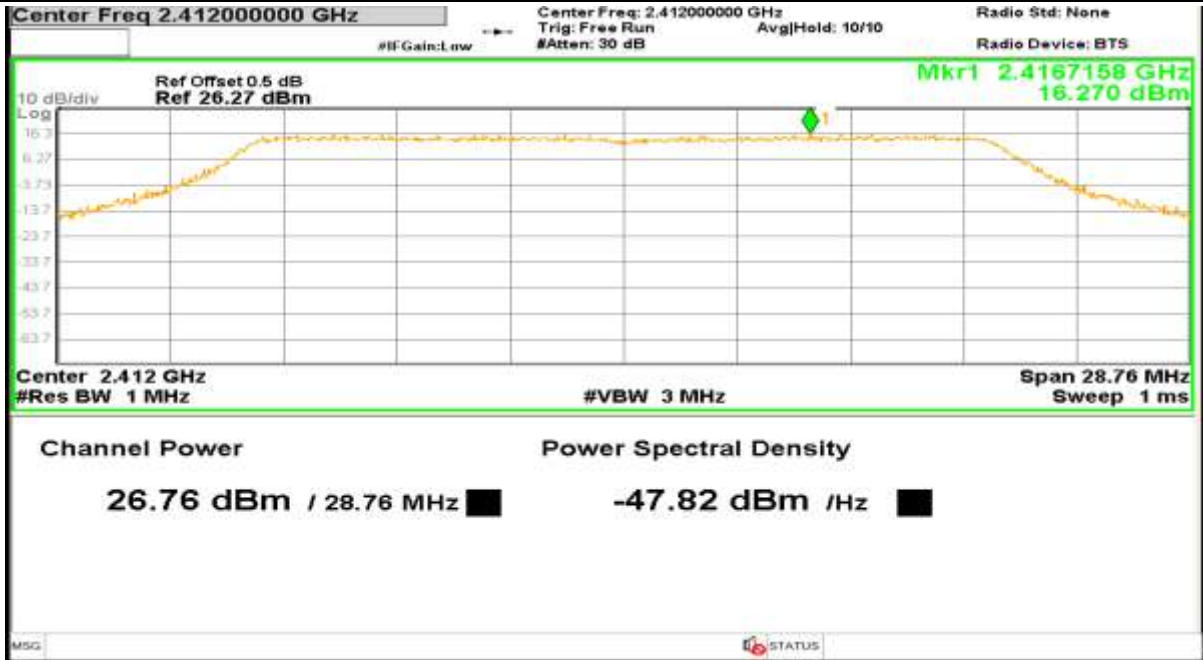


Channel 9: 2.452GHz:

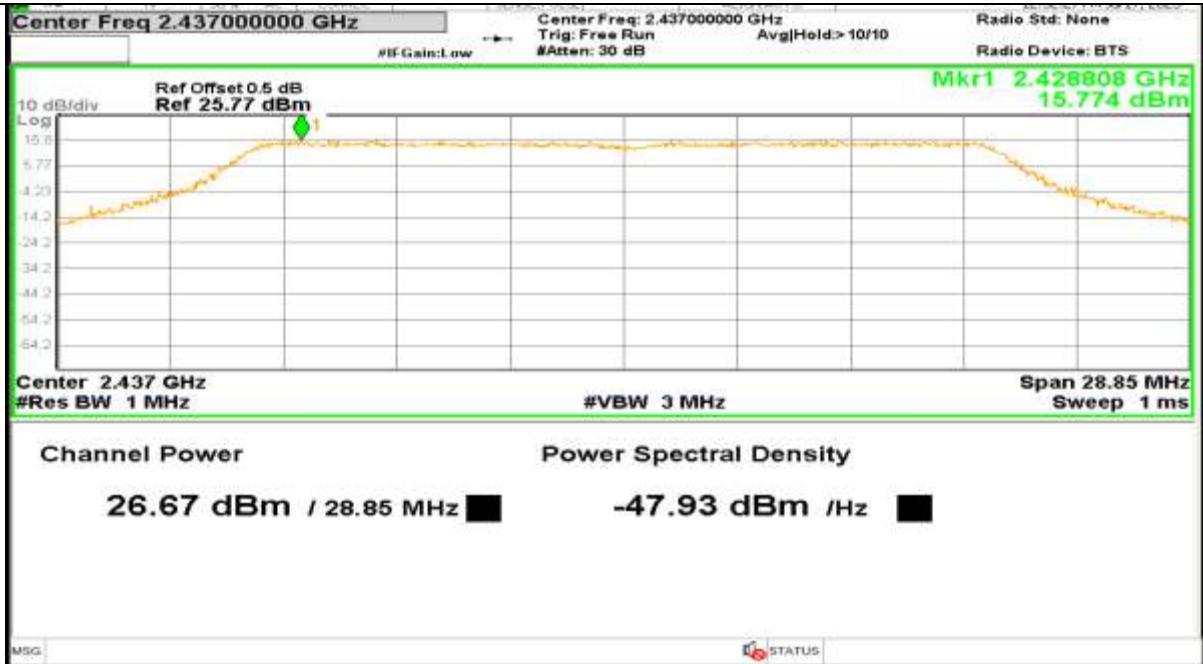


802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



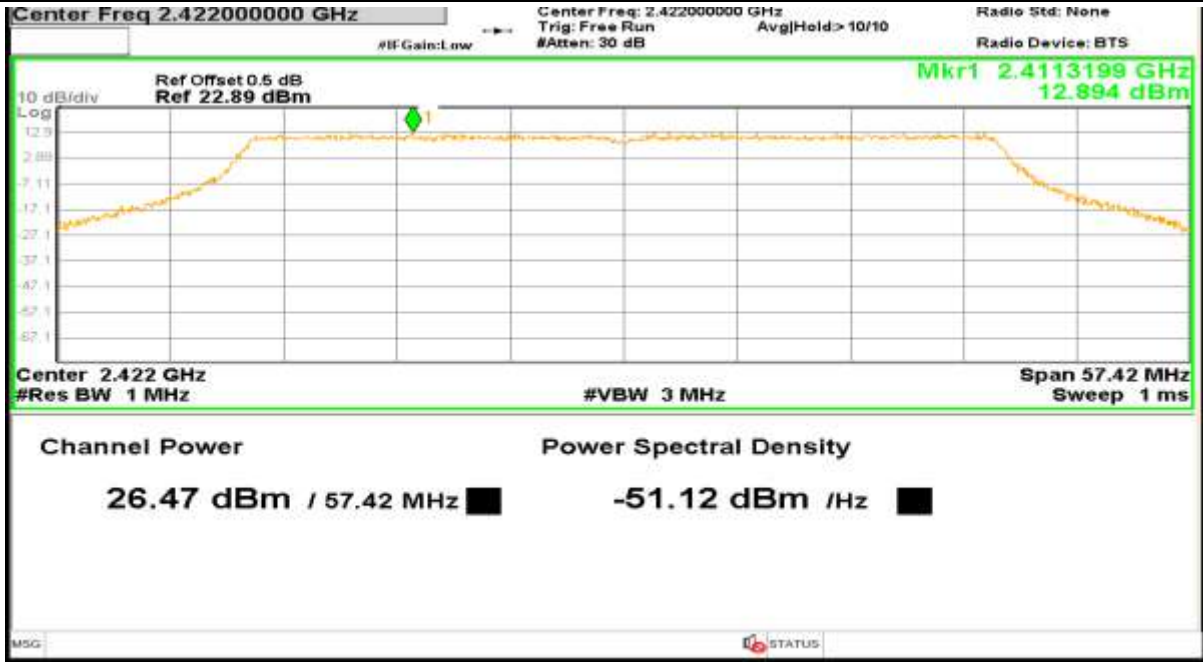


Channel 11: 2.462GHz:

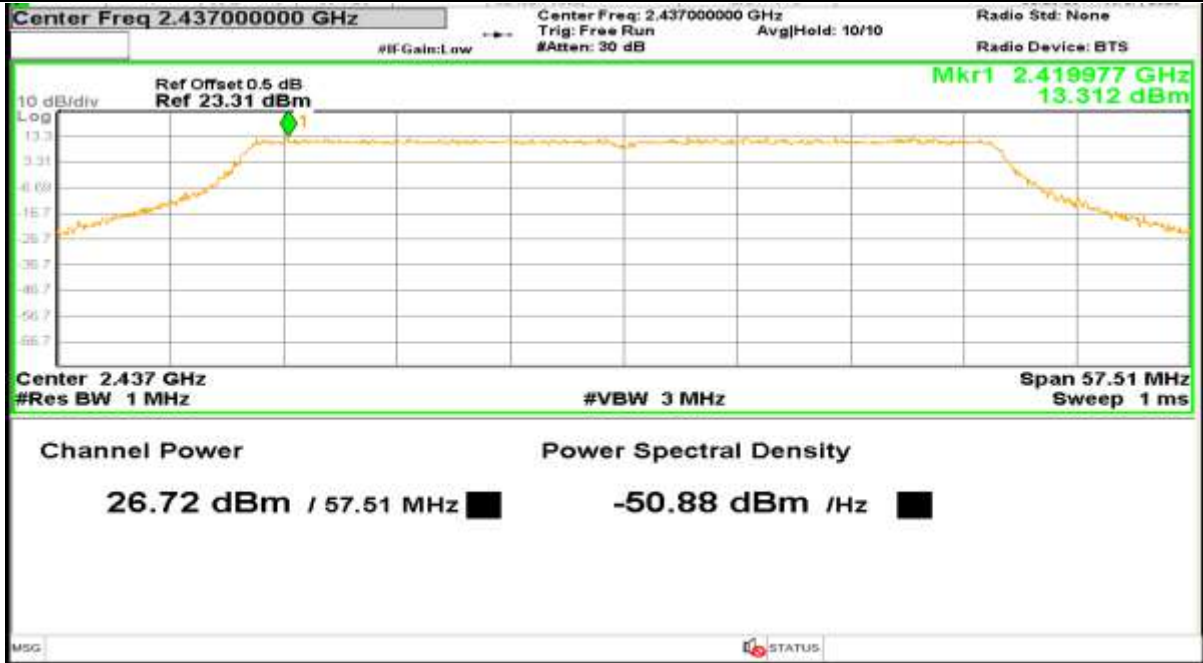


802.11ax(HE40) mode with MCS0 data rate

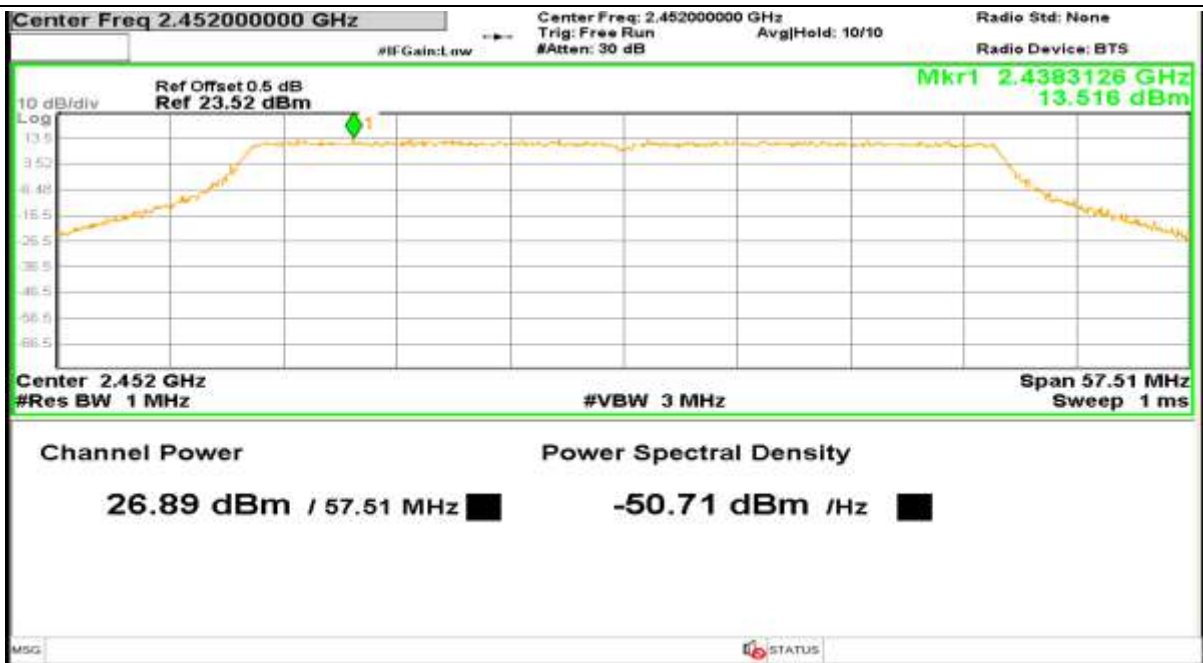
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



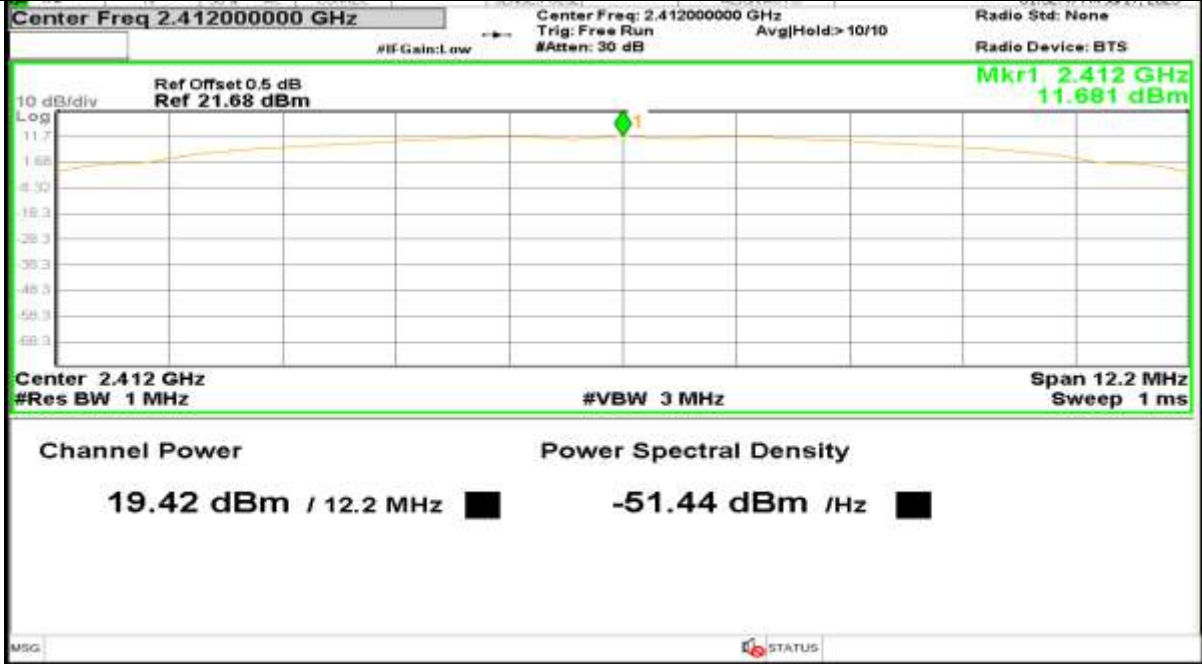
Channel 9: 2.452GHz:



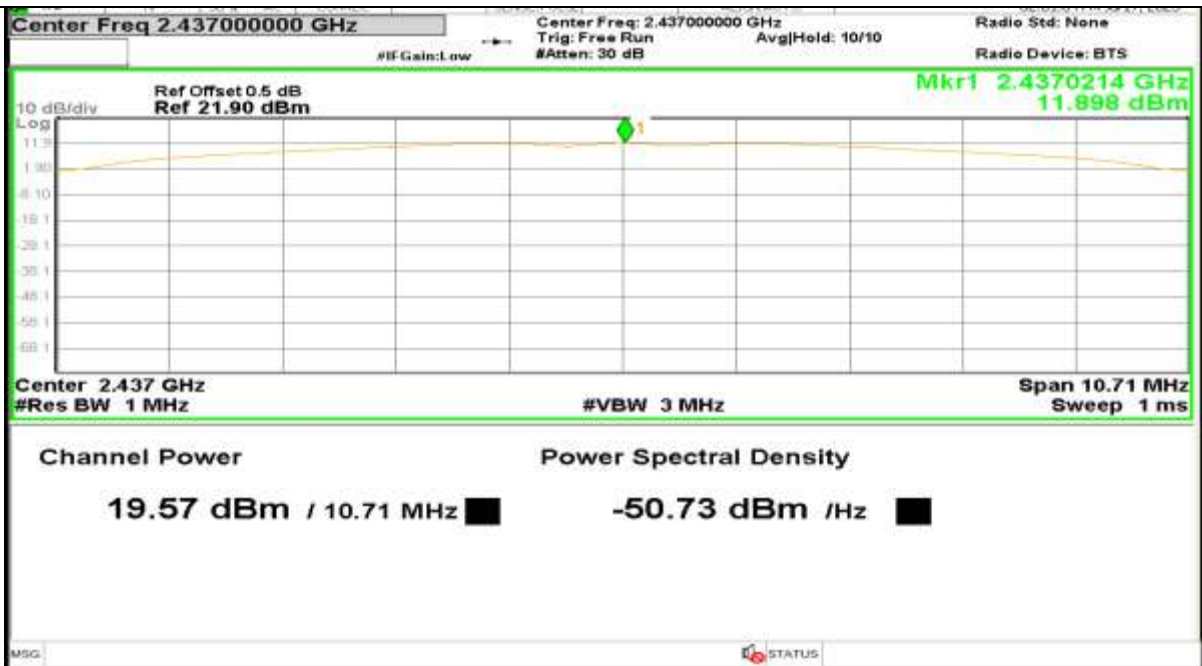
**Antenna 2:**

802.11b mode with 11Mbps data rate

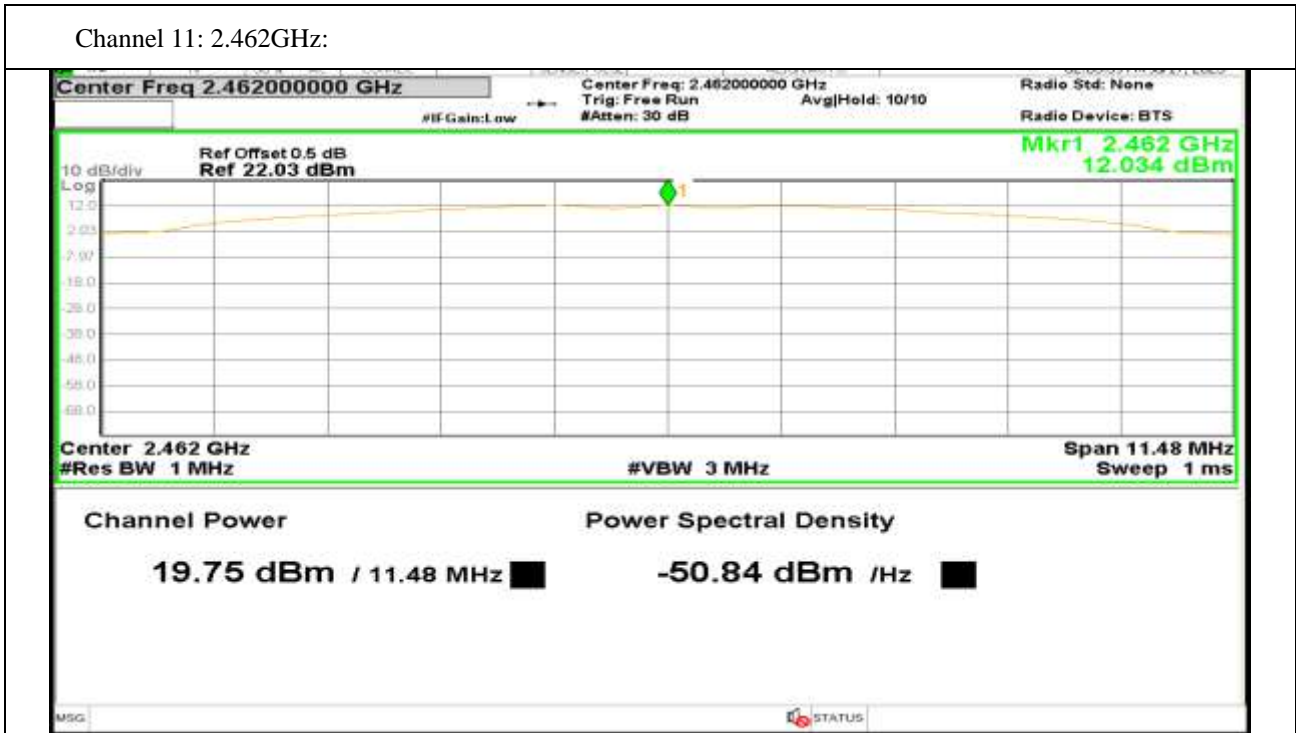
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

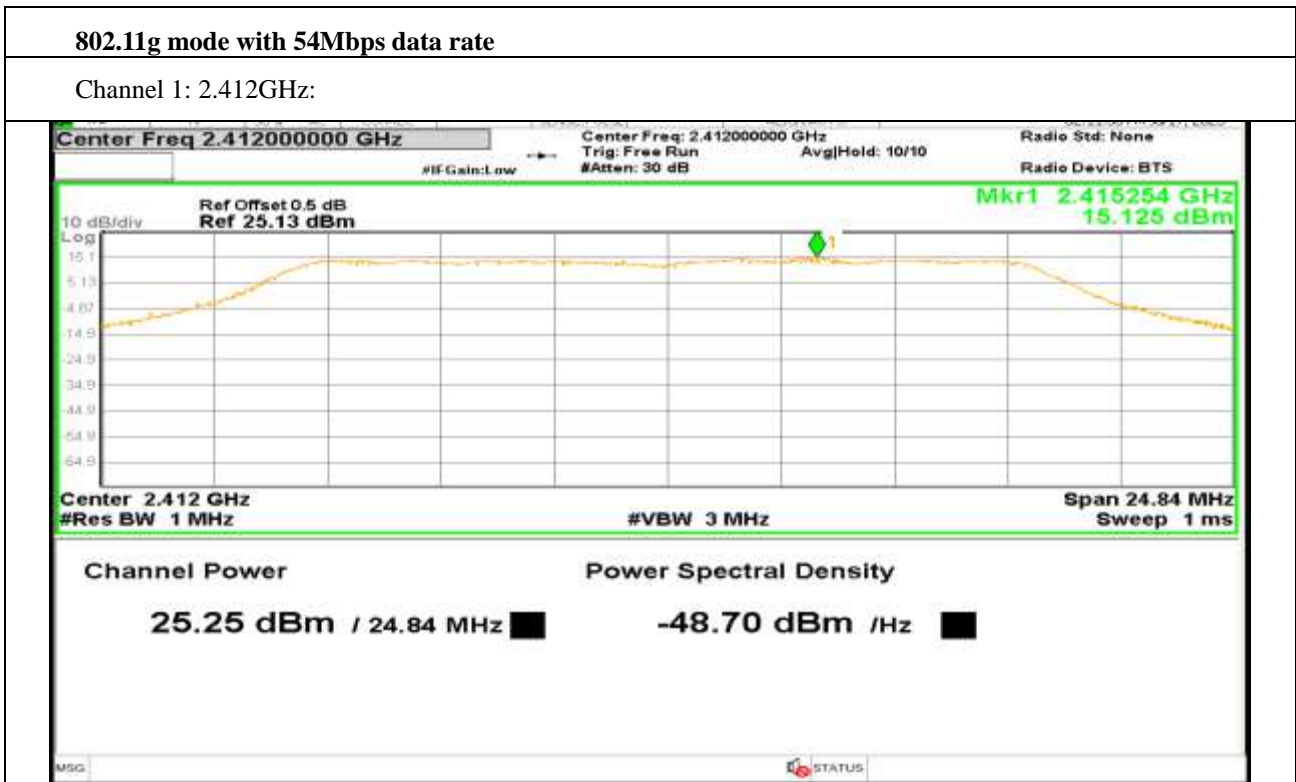


Channel 11: 2.462GHz:



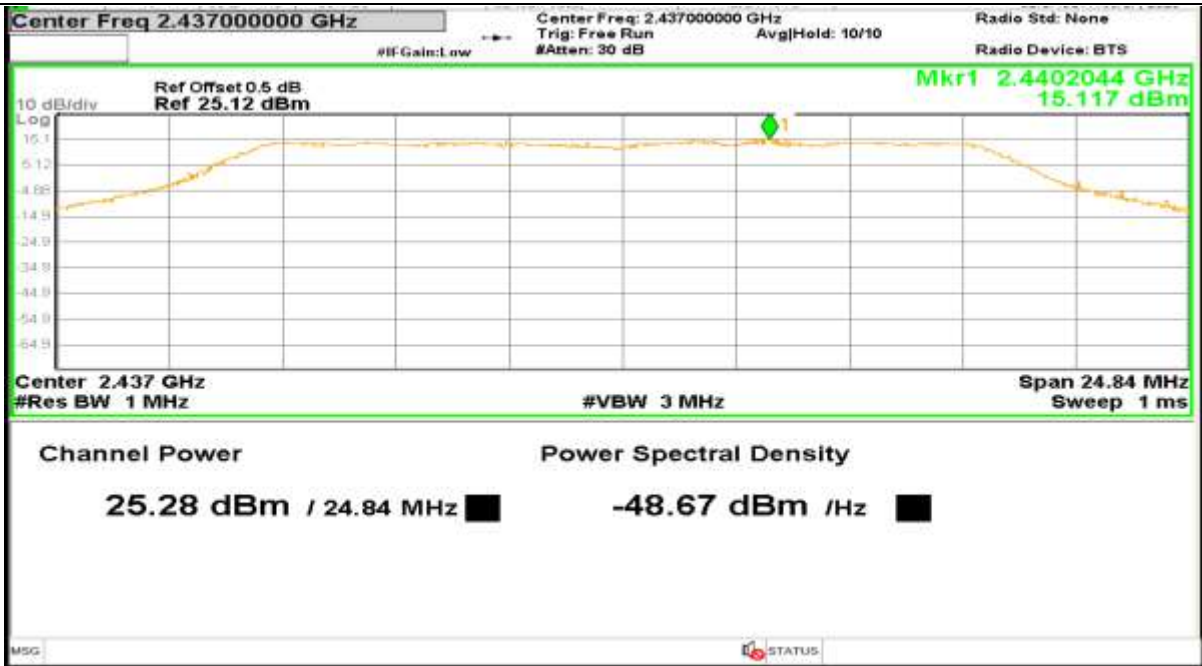
802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:

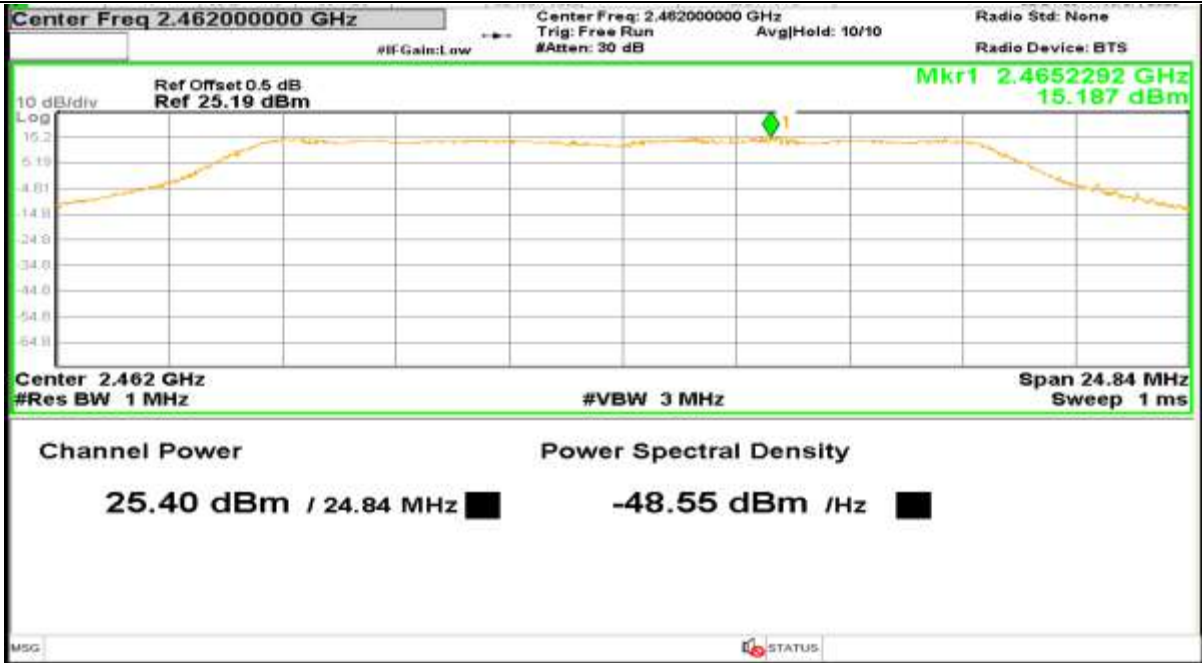




Channel 6: 2.437GHz:

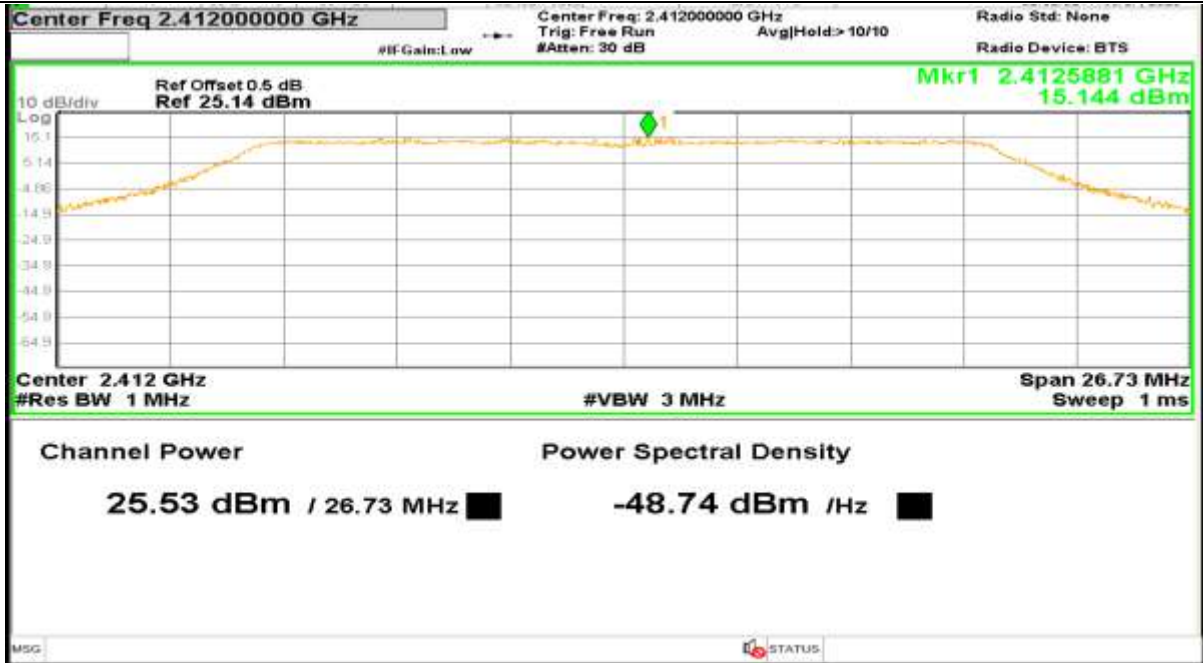


Channel 11: 2.462GHz:

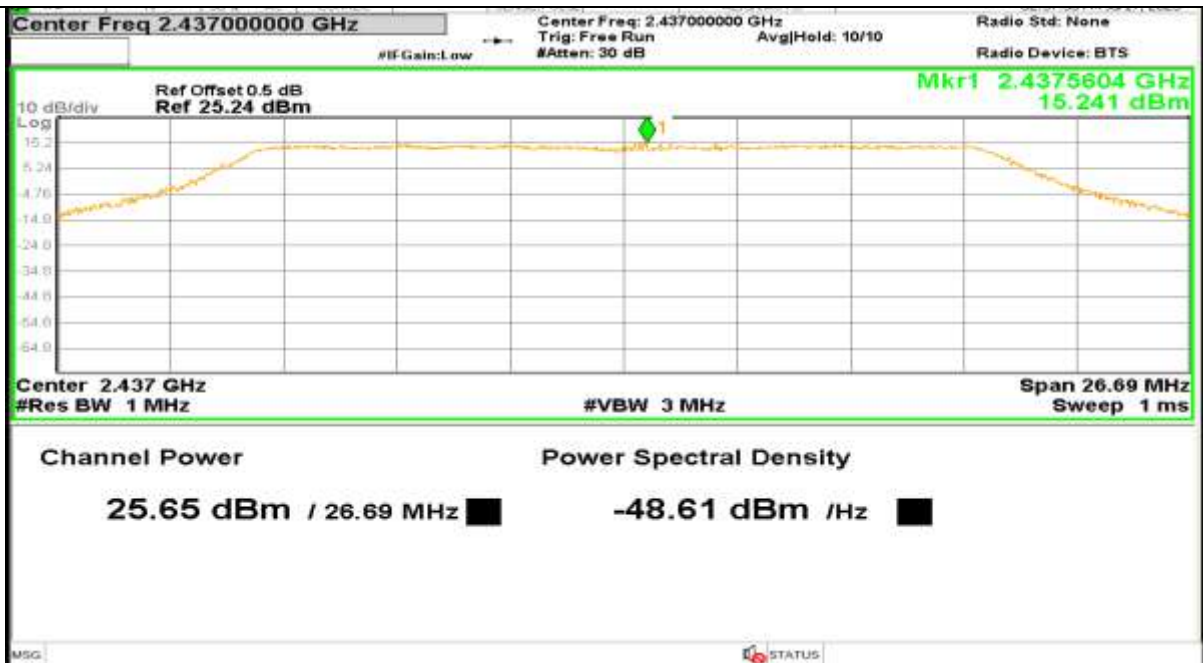


802.11n(HT20) mode with 72.2Mbps data rate

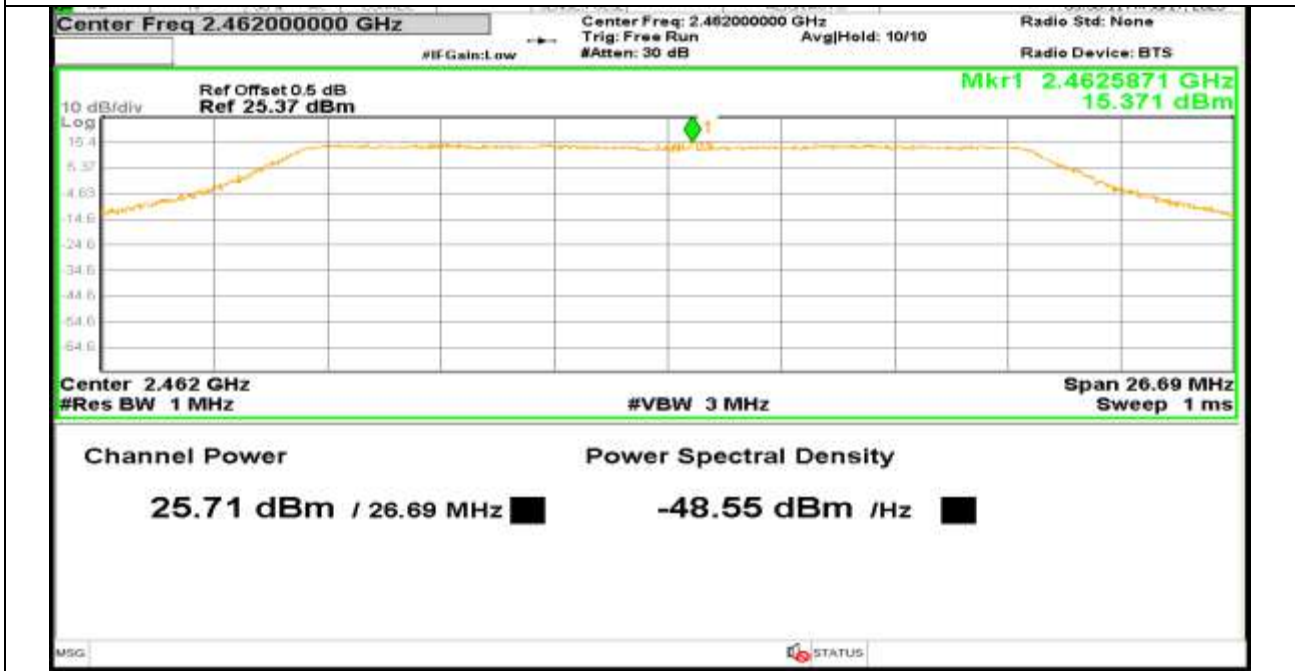
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

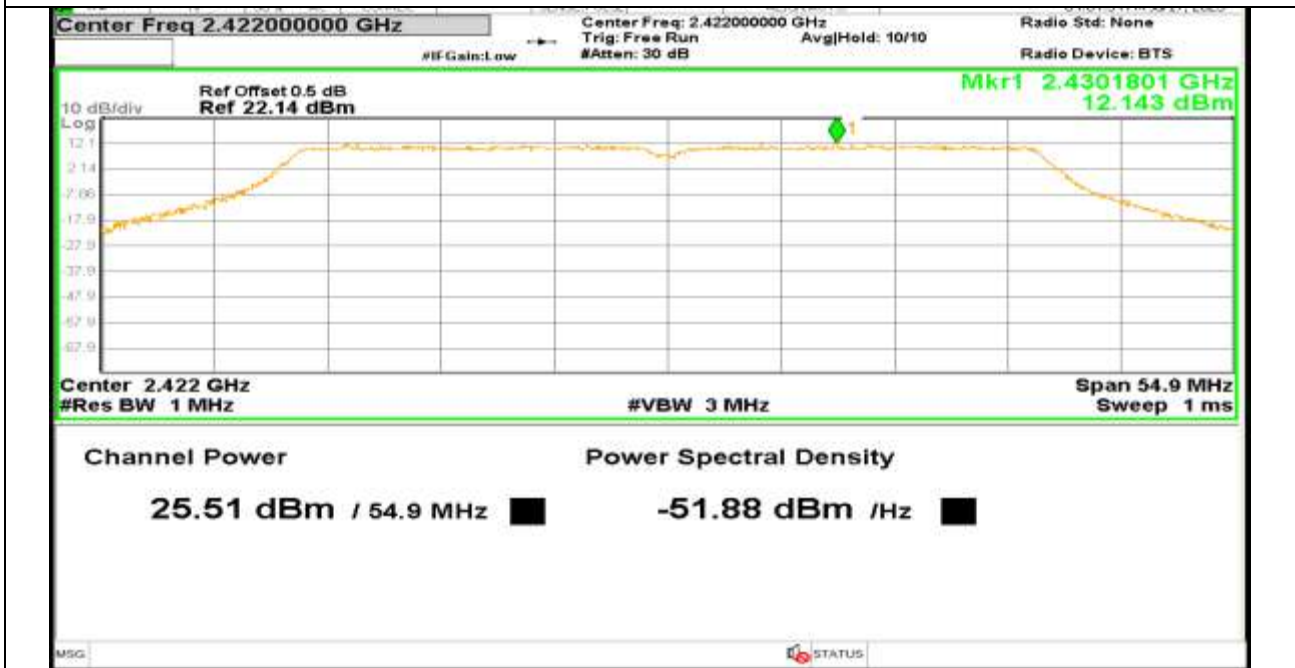


Channel 11: 2.462GHz:

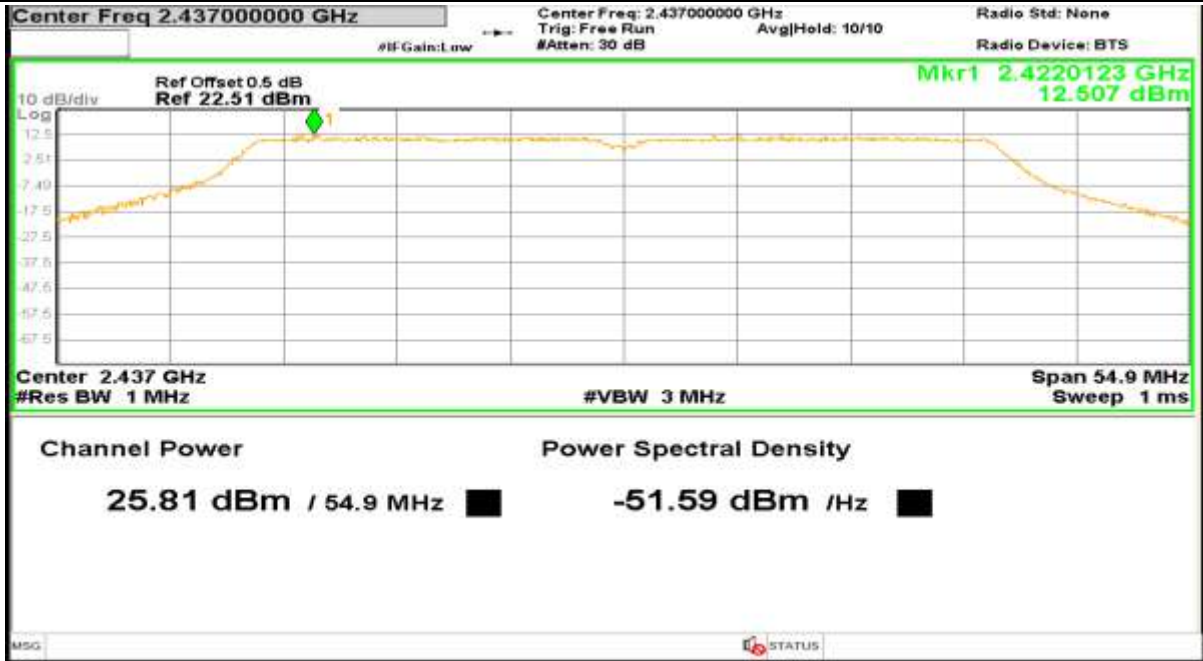


802.11n(HT40) mode with MCS0 data rate

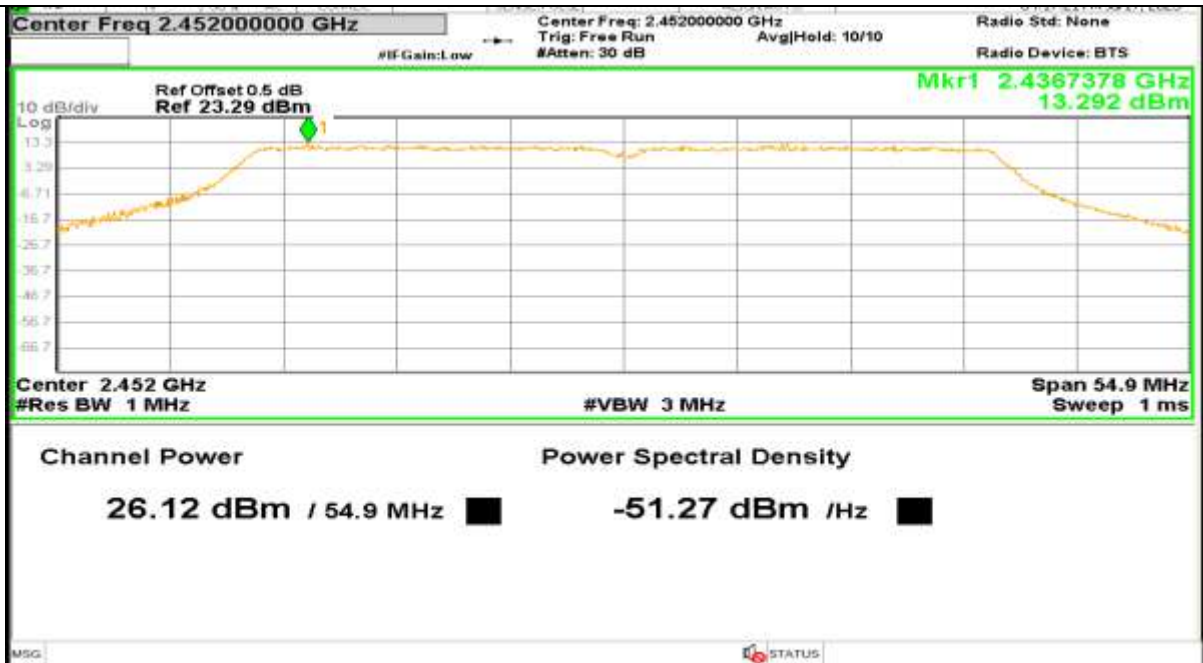
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



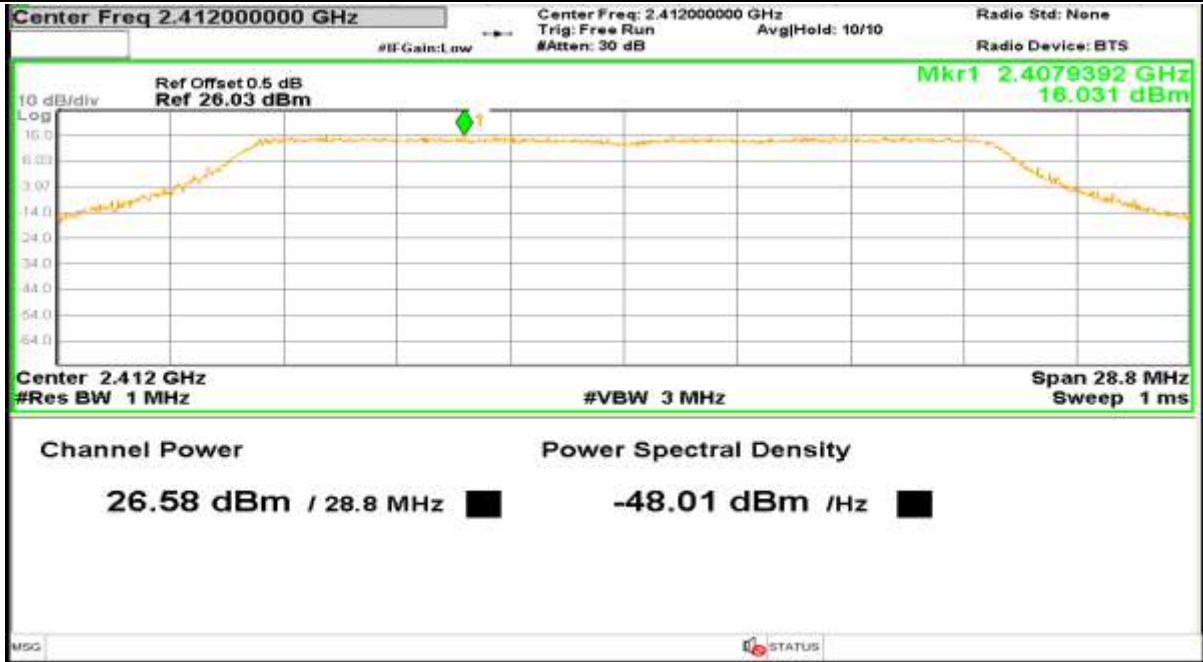
Channel 9: 2.452GHz:



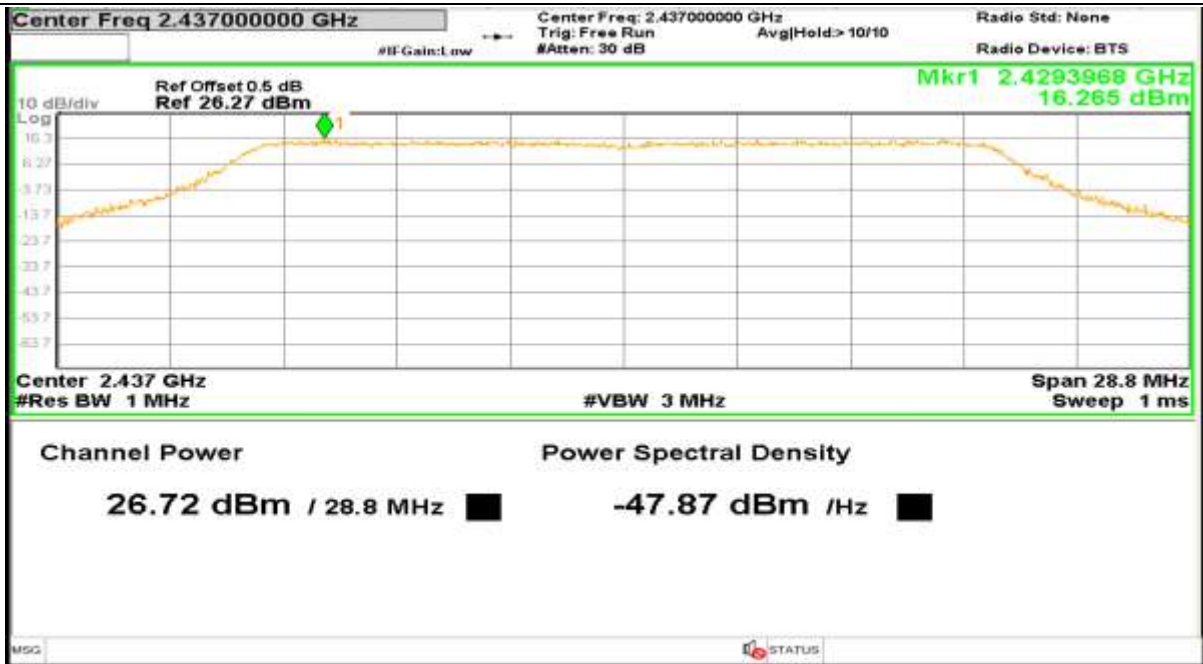


802.11ax(HE20) mode with MCS0 data rate

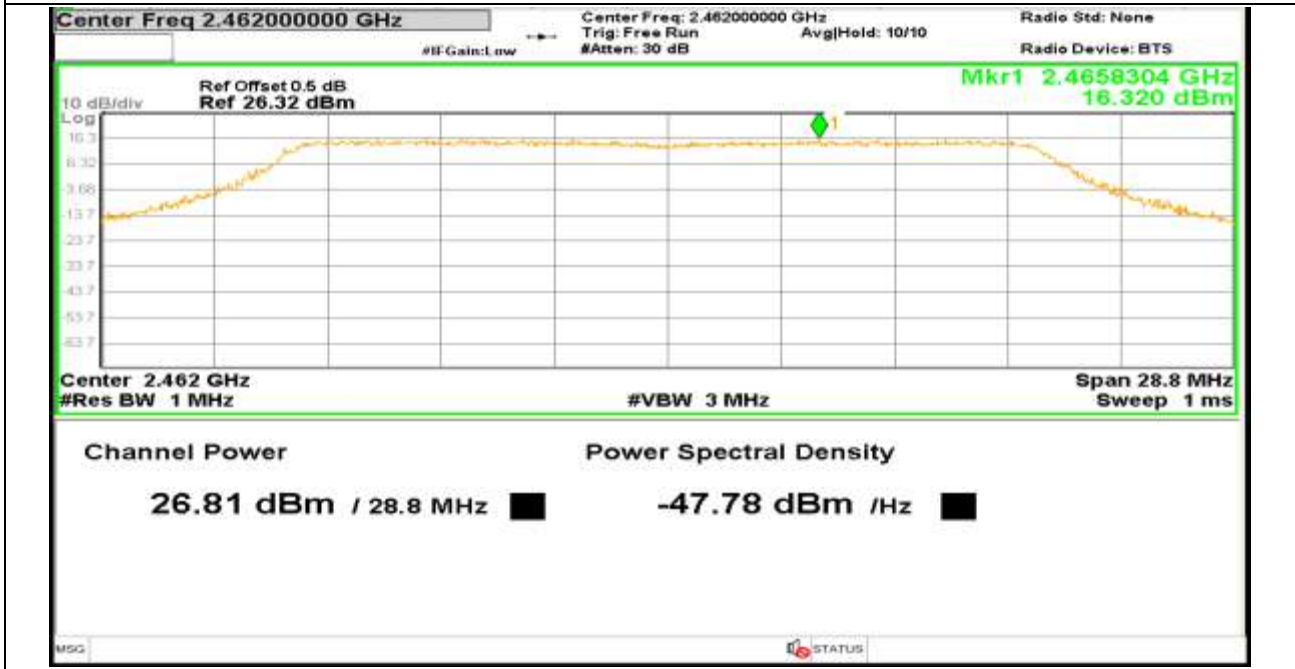
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

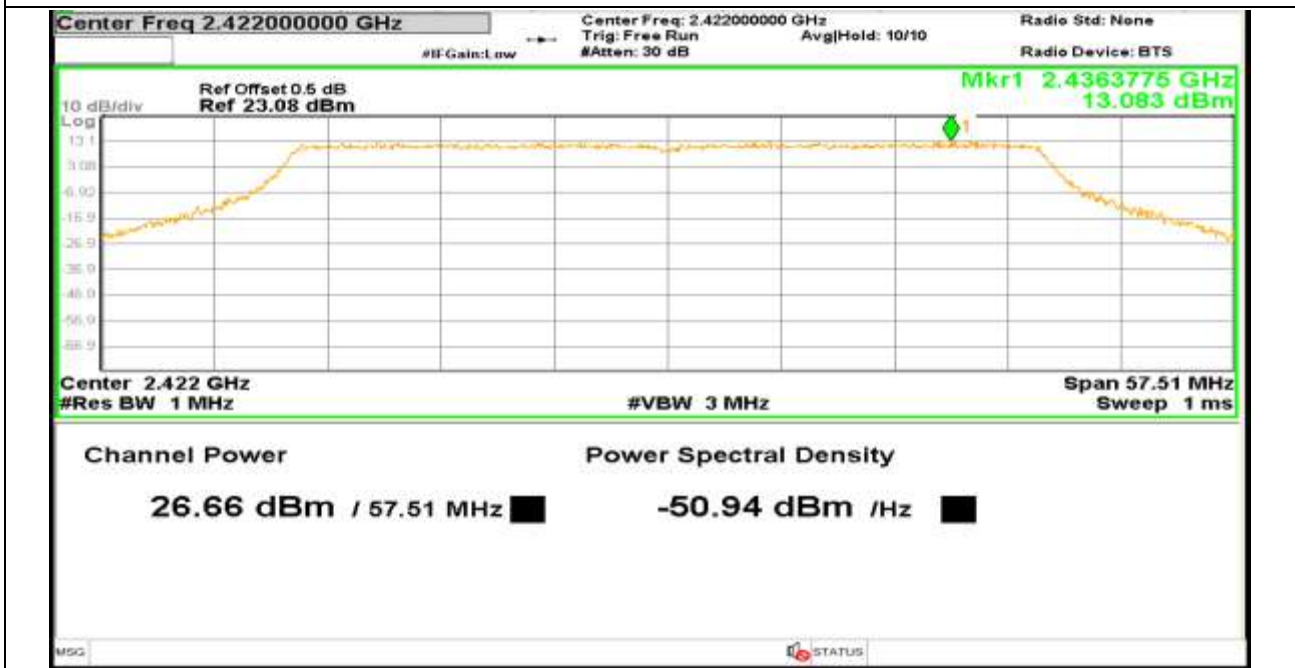


Channel 11: 2.462GHz:

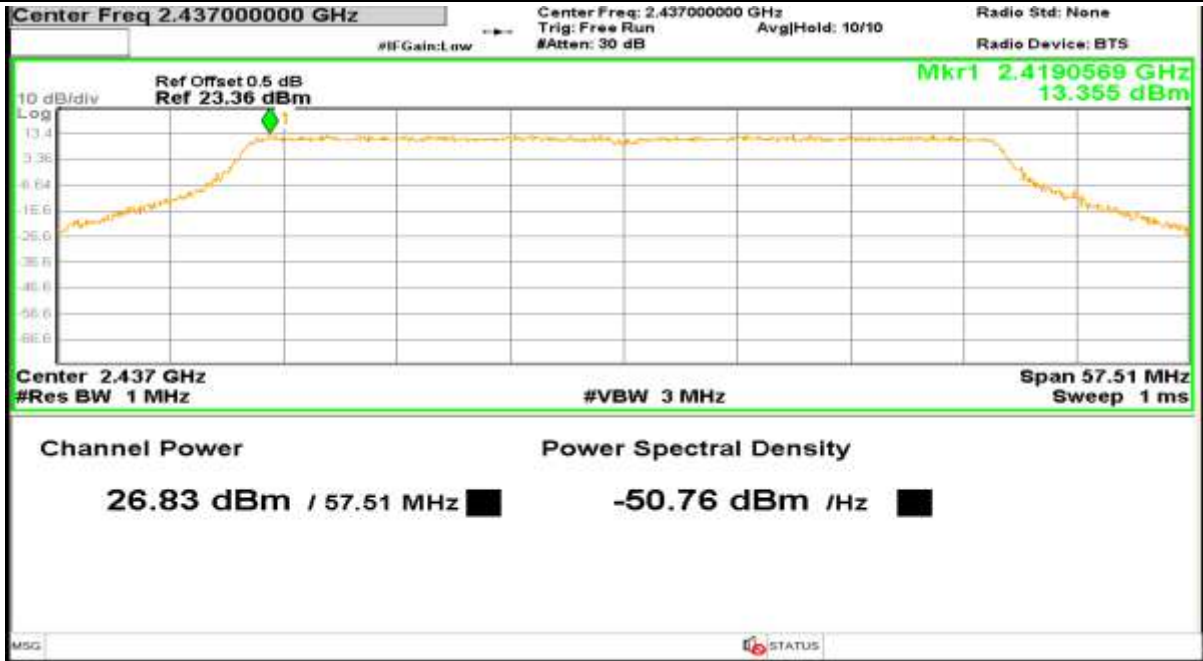


802.11ax(HE40) mode with MCS0 data rate

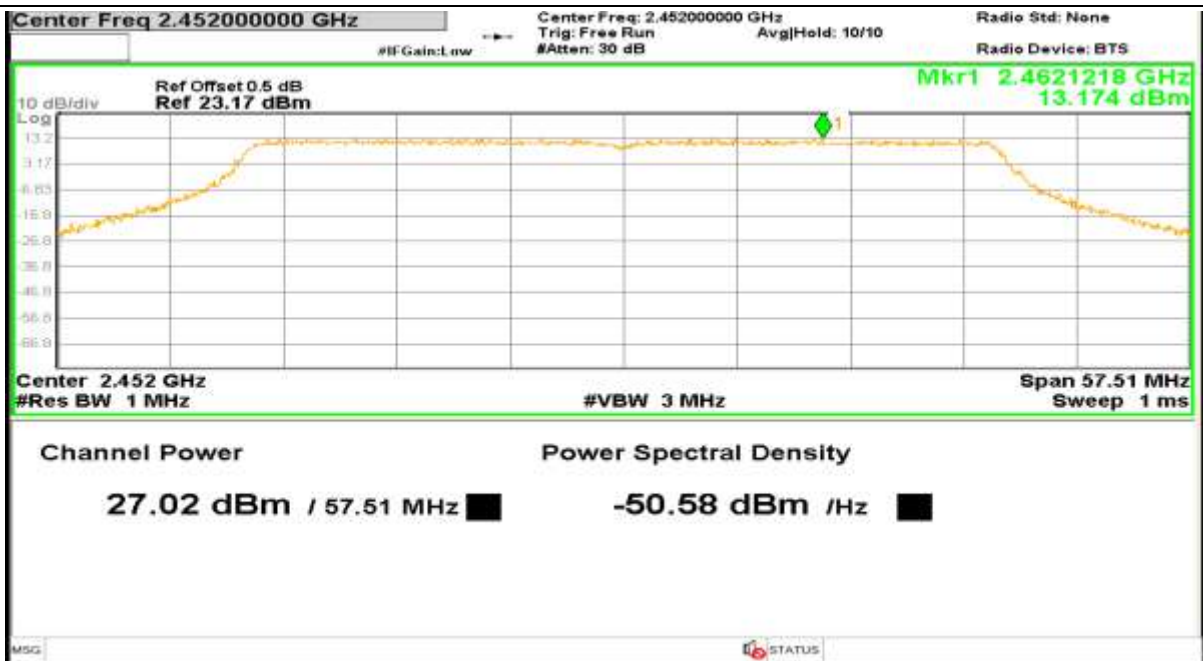
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



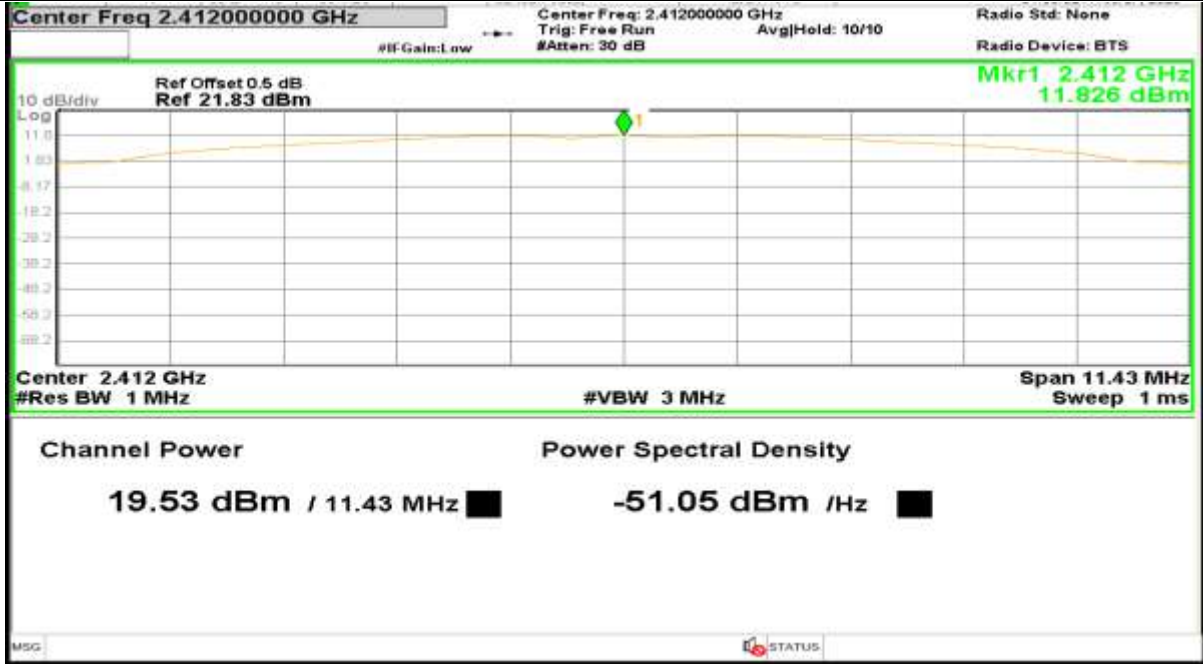
Channel 9: 2.452GHz:



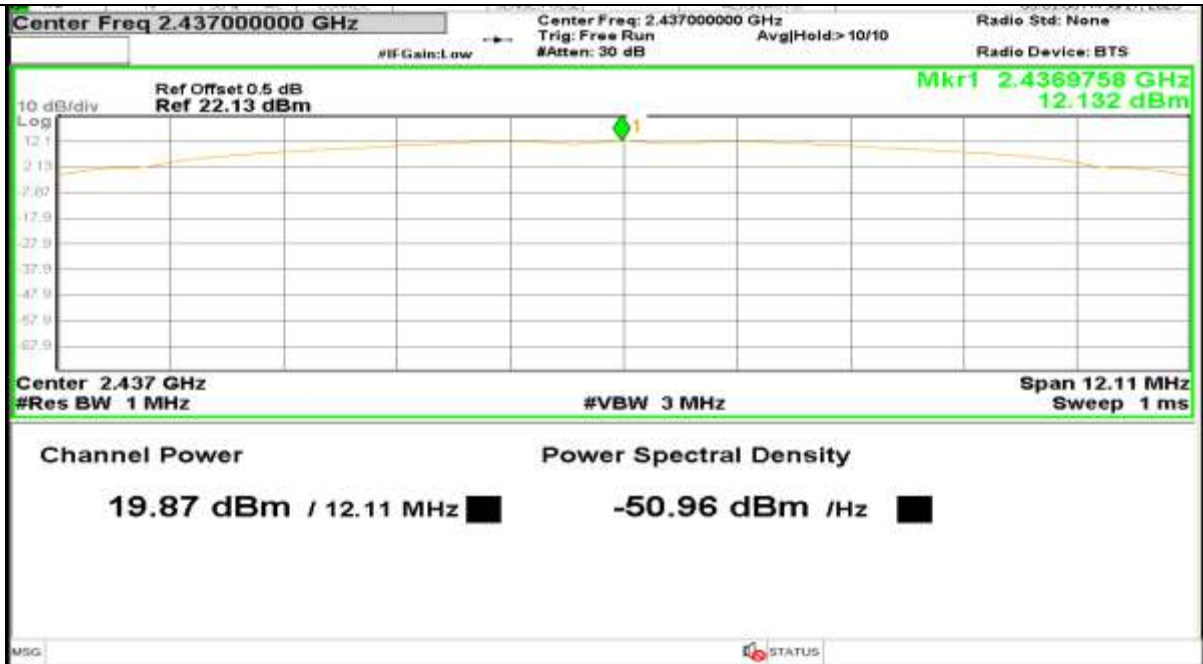
**Antenna 3:**

802.11b mode with 11Mbps data rate

Channel 1: 2.412GHz:

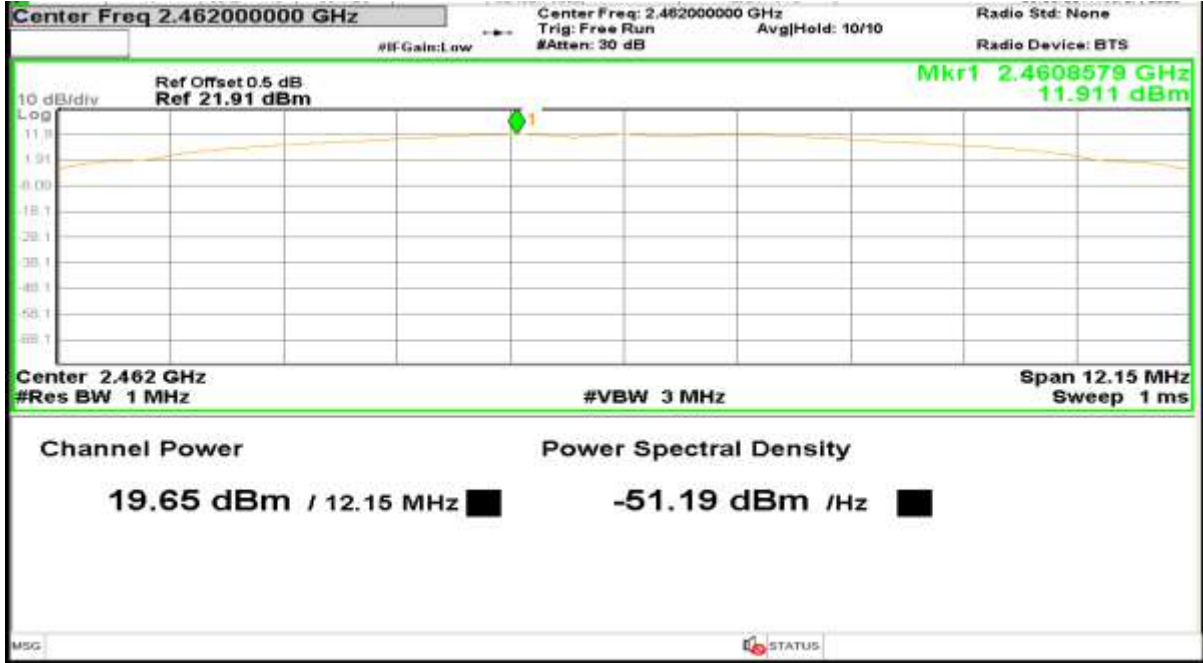


Channel 6: 2.437GHz:



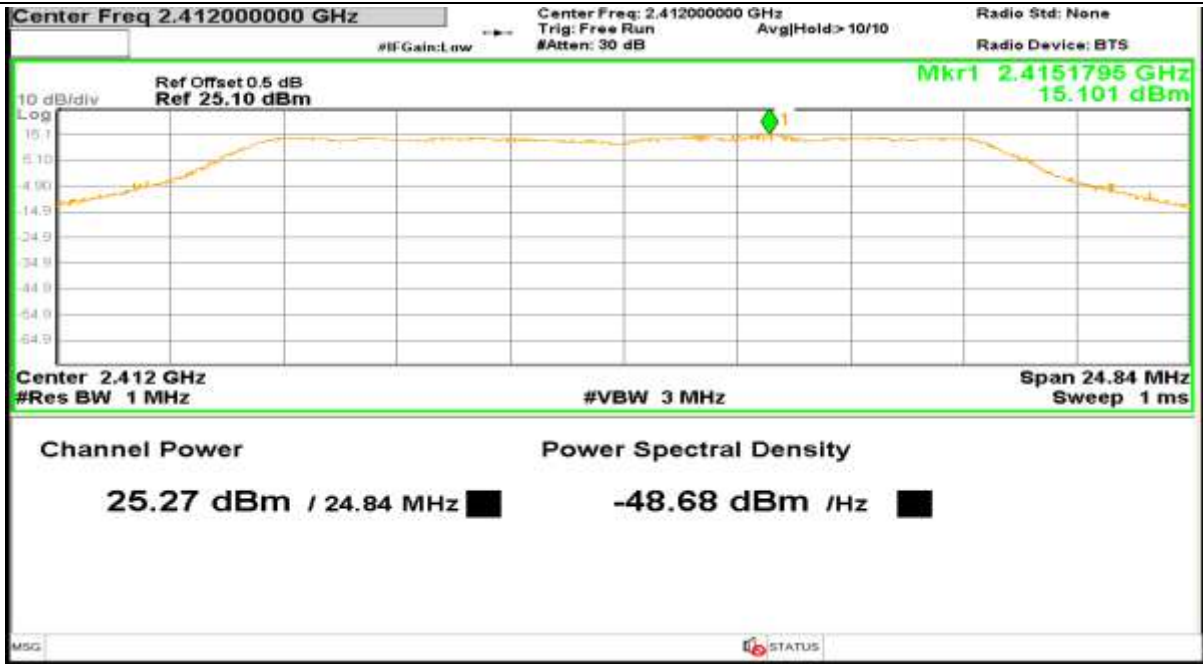


Channel 11: 2.462GHz:

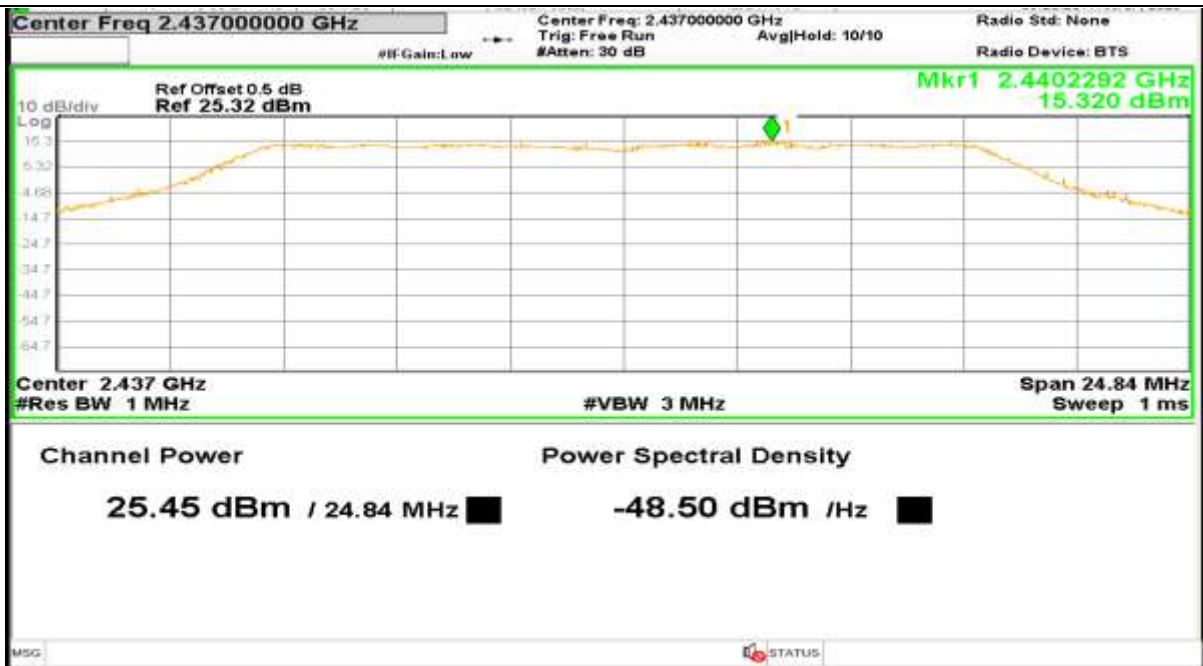


802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

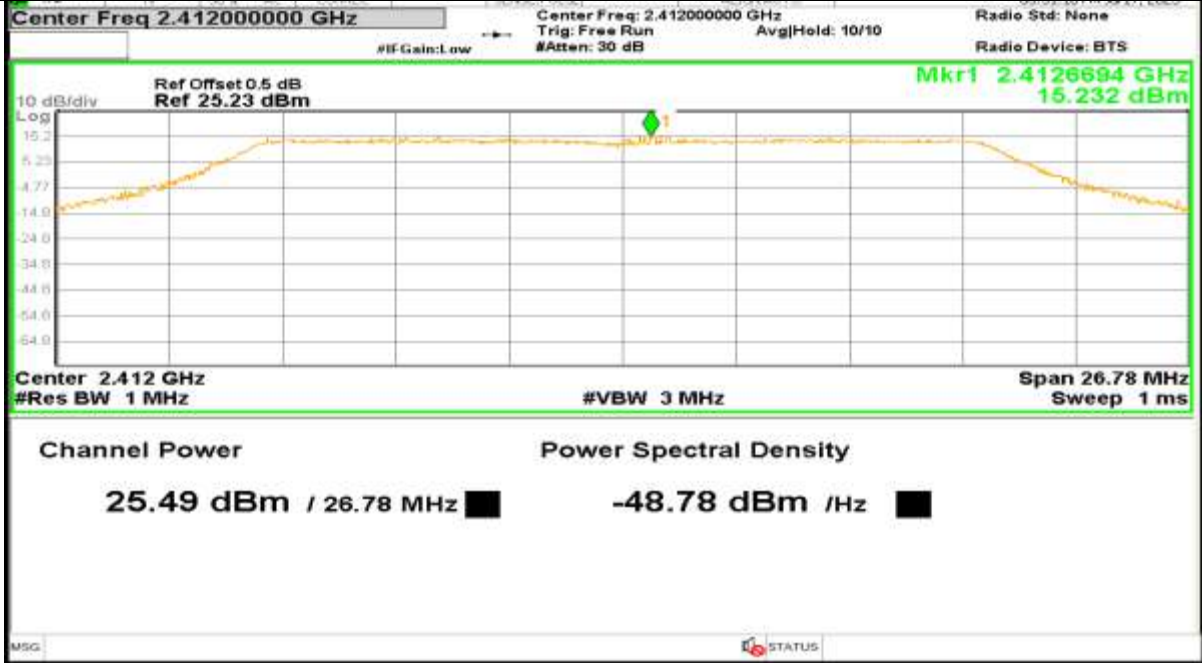


Channel 11: 2.462GHz:

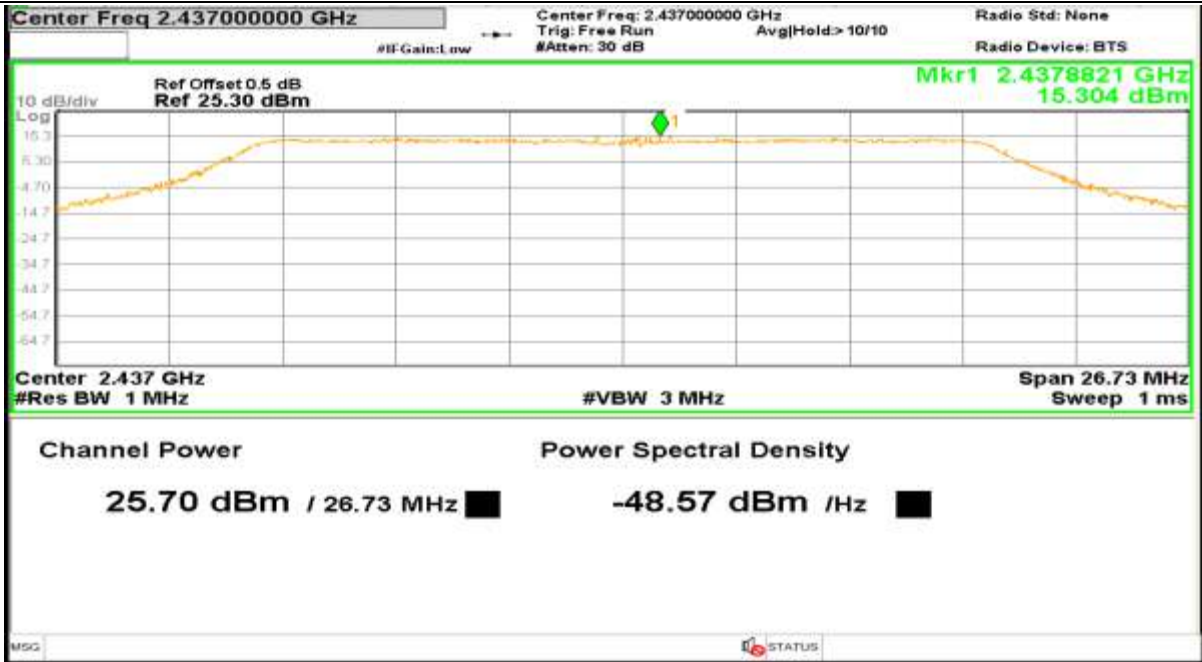


802.11n(HT20) mode with 72.2Mbps data rate

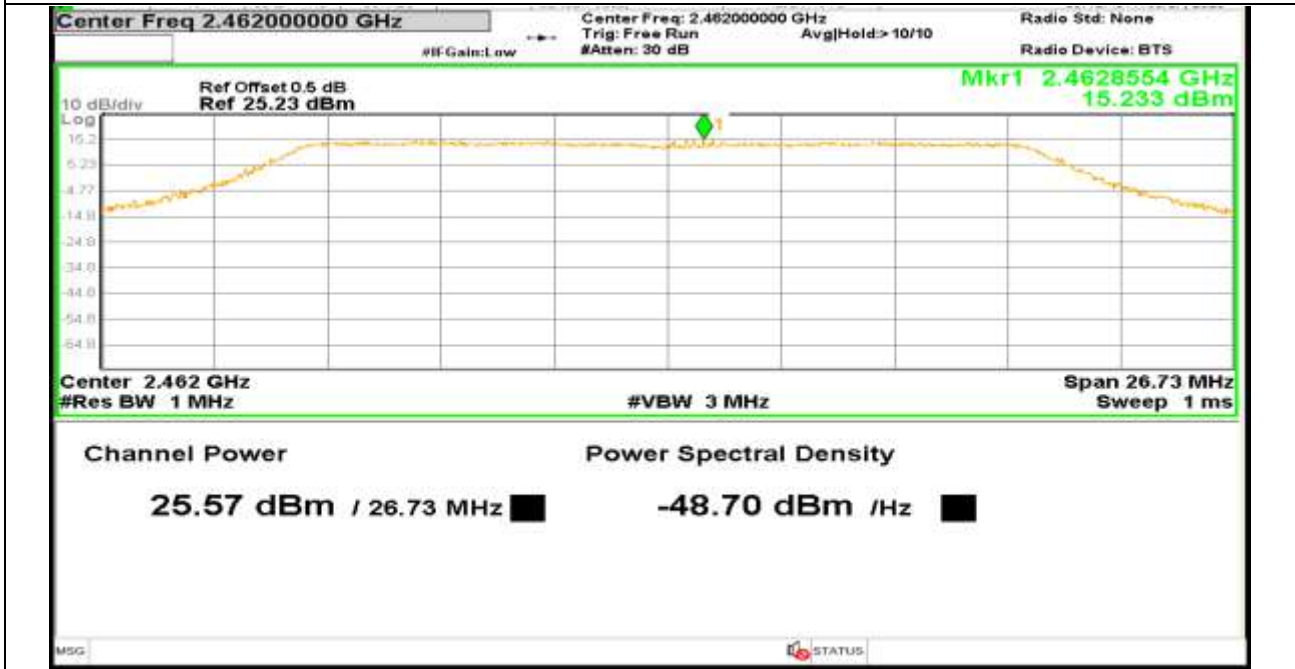
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

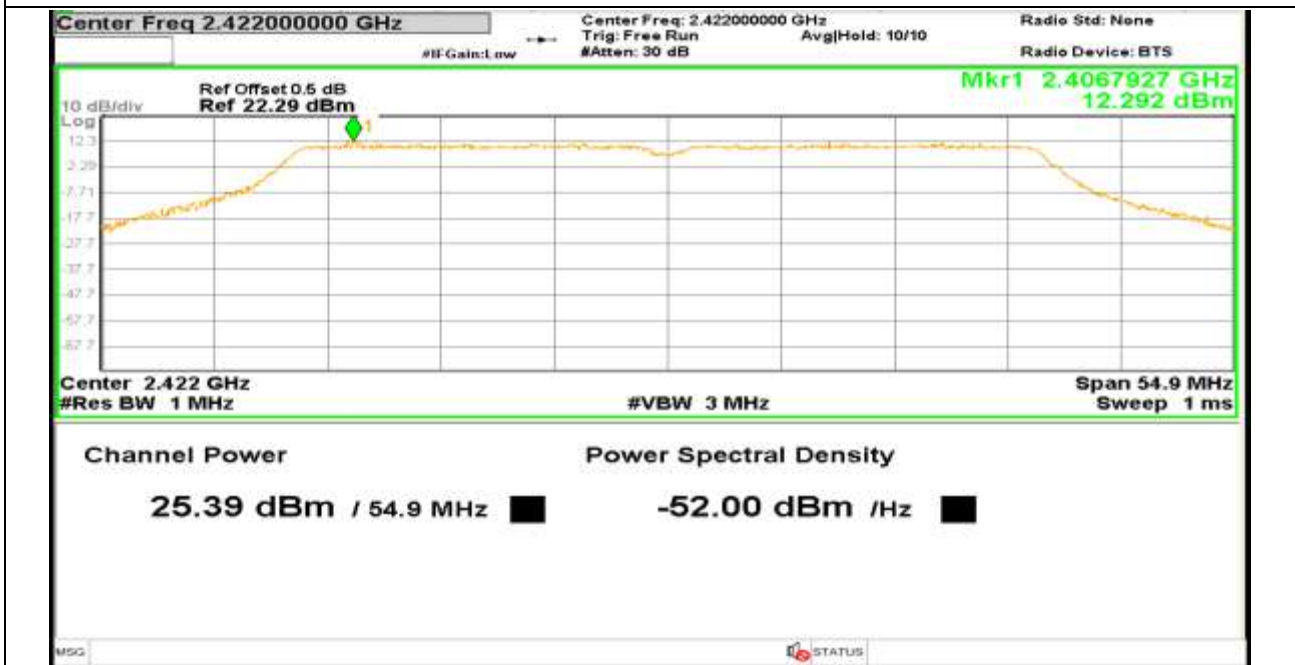


Channel 11: 2.462GHz:



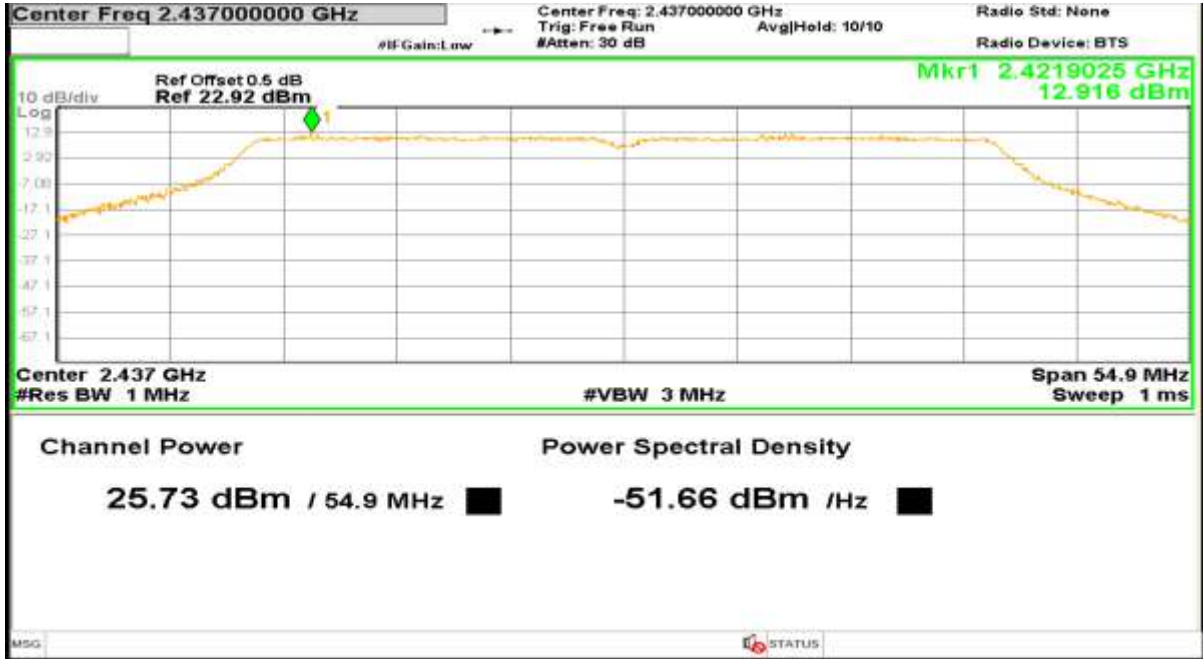
802.11n(HT40) mode with MCS0 data rate

Channel 3: 2.422GHz:

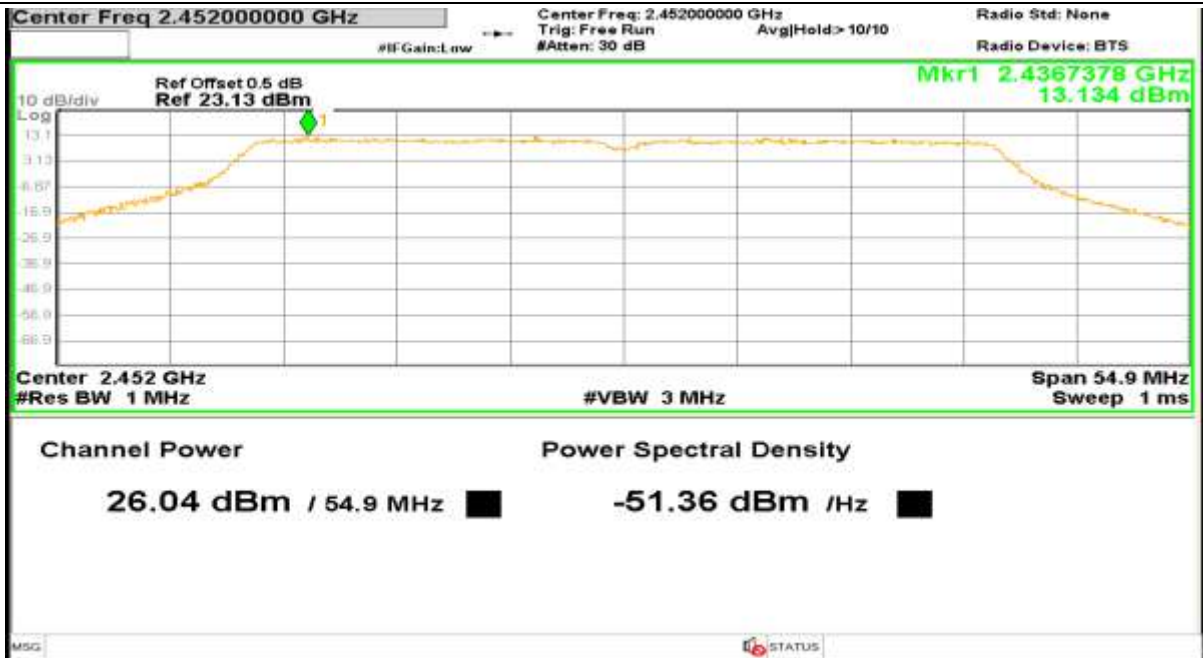




Channel 6: 2.437GHz:

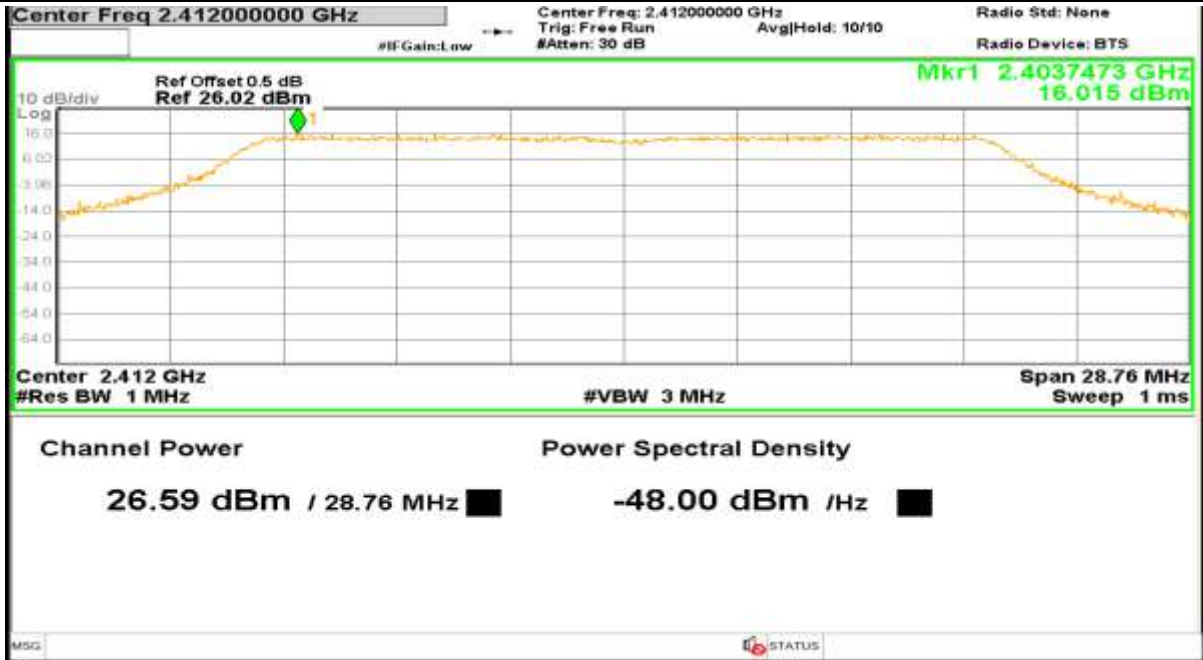


Channel 9: 2.452GHz:

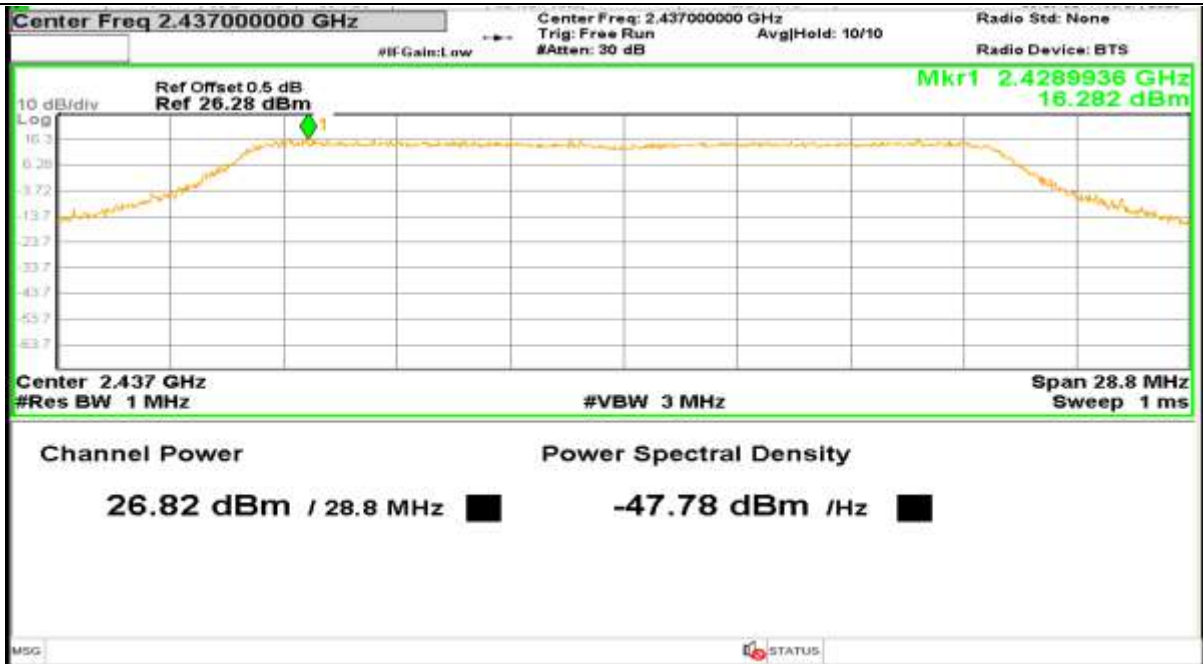


802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

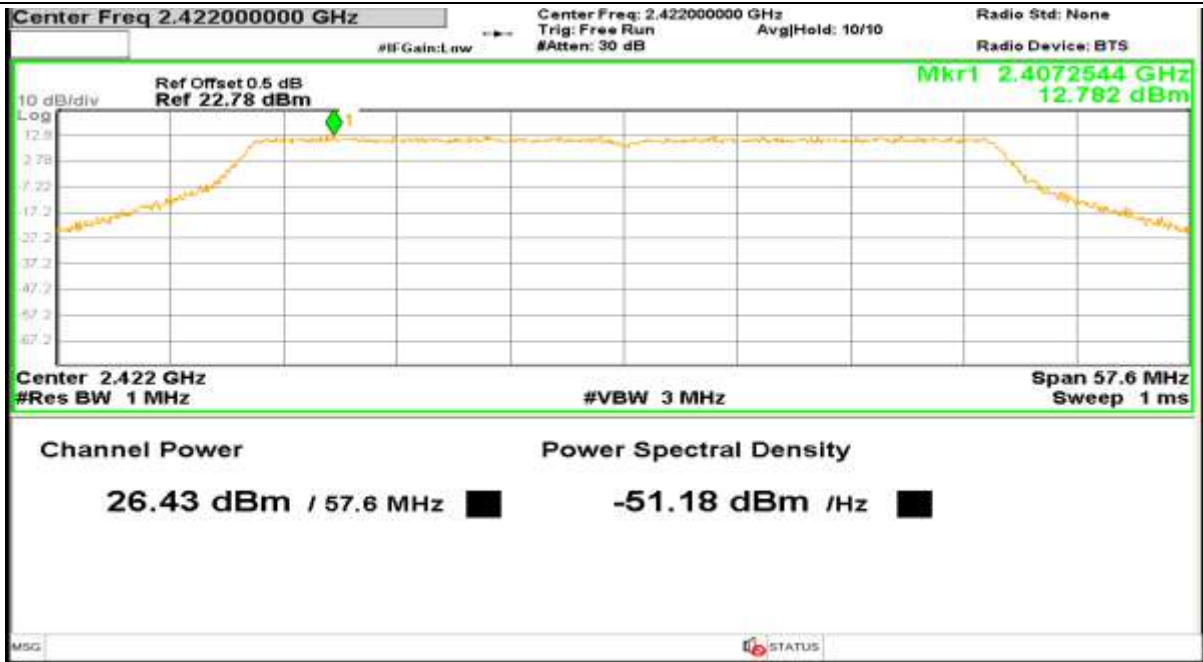


Channel 11: 2.462GHz:

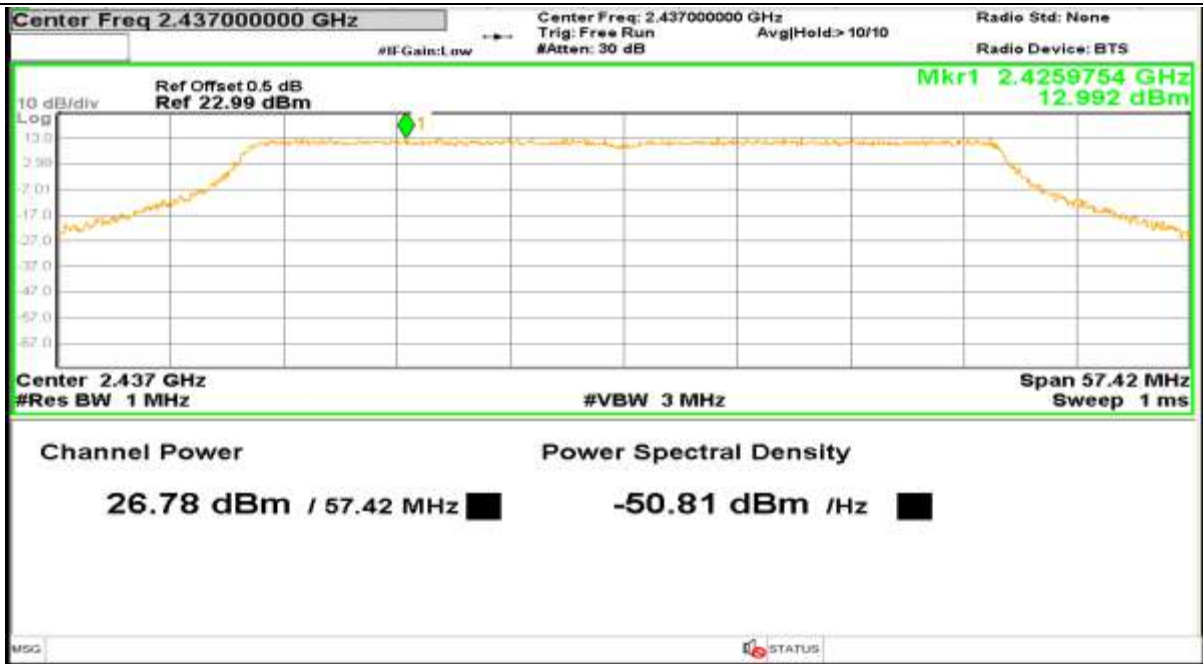


802.11ax(HE40) mode with MCS0 data rate

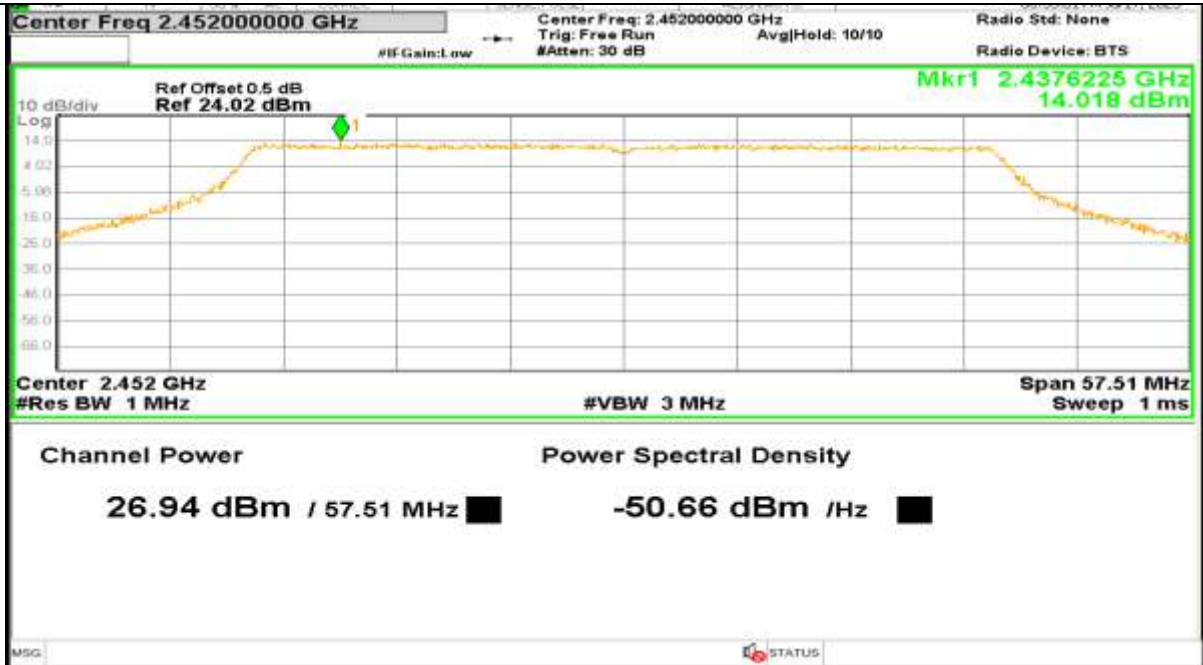
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



Channel 9: 2.452GHz:





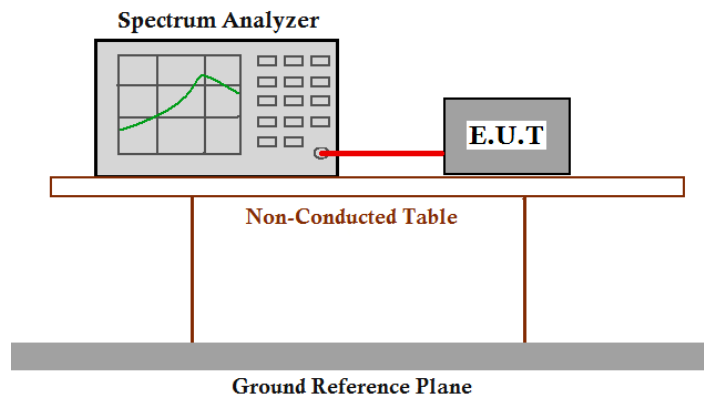
## 7.7 Peak Power Spectral Density

**Test Requirement:** FCC Part 15 C section 15.247  
 (e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.  
 This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

**Test Method:** ANSI C63.10: Clause 6.11.2.3

**Test Status:** Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.  
 Pre-Test the EUT using external Standard DC power source for powering on the board.

**Test Configuration:**



## Test Procedure:

1. Remove the antenna from the EUT and then connect a low attention attenuation RF cable (cable loss =1.0 dB) from the antenna port to the spectrum analyzer or power meter.
2. Set the spectrum analyzer:
  - a) Set CENTER FREQUENCY = Frequency from Power Spectral Density Test Matrix (see 6.10.2)
  - b) Set SPAN = 20 MHz (For devices with a nominal 40 MHz BW, 50 MHz span will be needed)
  - c) Set REFERENCE LEVEL = 20 dBm
  - d) Set ATTENUATION = 0 dB (add internal attenuation, if necessary)
  - e) Set SWEEP TIME = Coupled
  - f) Set RBW = 3 kHz
  - g) Set VBW = 10 kHz
  - h) Set DETECTOR = Peak
  - i) Set MKR = Center Frequency
  - j) Set TRACE = CLEAR WRITE

Place the radio in continuous transmit mode. Set the TRACE to MAX HOLD, and after the trace stabilizes, the TRACE to VIEW. Set the marker on the peak of the signal and then adjust the center frequency of the spectrum analyzer to the marker frequency.

After viewing the EUT waveform on the spectrum analyzer, perform the following spectrum analyzer functions to capture the trace:

Set SPAN = 300 kHz

Set SWEEP TIME = 100 s

Set TRACE = MAX HOLD

Set MKR = PEAK SEARCH

3. Measure the Power Spectral Density of the test frequency with special test status.
4. Repeat until all the test status is investigated.
5. Report the worse case.

**Test result:**

**Antenna 0:**

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Peak Power Spectral Density (dBm/3KHz)	Limit	Result
1	2412	802.11b	11 Mbps	-4.65	8dBm/3KHZ	Pass
6	2437		11 Mbps	-5.85		Pass
11	2462		11 Mbps	-4.70		Pass
1	2412	802.11g	54 Mbps	-9.70		Pass
6	2437		54 Mbps	-9.75		Pass
11	2462		54 Mbps	-9.47		Pass
1	2412	802.11n (HT20)	72.2 Mbps	-8.60		Pass
6	2437		72.2 Mbps	-9.04		Pass
11	2462		72.2 Mbps	-8.39		Pass
3	2422	802.11n (HT40)	MCS0	-12.23		Pass
6	2437		MCS0	-11.38		Pass
9	2452		MCS0	-11.31		Pass
1	2412	802.11ax (HE20)	MCS0	-9.42		Pass
6	2437		MCS0	-9.36		Pass
11	2462		MCS0	-9.28		Pass
3	2422	802.11ax (HE40)	MCS0	-12.28	Pass	
6	2437		MCS0	-12.11	Pass	
9	2452		MCS0	-12.29	Pass	

**Antenna 1:**

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Peak Power Spectral Density (dBm/3KHz)	Limit	Result
1	2412	802.11b	11 Mbps	-4.77	8dBm/3KHZ	Pass
6	2437		11 Mbps	-4.55		Pass
11	2462		11 Mbps	-4.80		Pass
1	2412	802.11g	54 Mbps	-9.02		Pass
6	2437		54 Mbps	-9.82		Pass
11	2462		54 Mbps	-9.31		Pass
1	2412	802.11n (HT20)	72.2 Mbps	-8.32		Pass
6	2437		72.2 Mbps	-7.98		Pass
11	2462		72.2 Mbps	-7.96		Pass
3	2422	802.11n (HT40)	MCS0	-12.28		Pass
6	2437		MCS0	-11.86		Pass
9	2452		MCS0	-11.39		Pass
1	2412	802.11ax (HE20)	MCS0	-9.68		Pass
6	2437		MCS0	-9.70		Pass
11	2462		MCS0	-9.27		Pass
3	2422	802.11ax (HE40)	MCS0	-12.11	Pass	
6	2437		MCS0	-12.58	Pass	
9	2452		MCS0	-12.13	Pass	



**Antenna 2:**

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Peak Power Spectral Density (dBm/3KHz)	Limit	Result
1	2412	802.11b	11 Mbps	-4.31	8dBm/3KHZ	Pass
6	2437		11 Mbps	-2.79		Pass
11	2462		11 Mbps	-4.48		Pass
1	2412	802.11g	54 Mbps	-9.89		Pass
6	2437		54 Mbps	-9.90		Pass
11	2462		54 Mbps	-9.14		Pass
1	2412	802.11n (HT20)	72.2 Mbps	-8.80		Pass
6	2437		72.2 Mbps	-8.72		Pass
11	2462		72.2 Mbps	-7.15		Pass
3	2422	802.11n (HT40)	MCS0	-11.86		Pass
6	2437		MCS0	-11.72		Pass
9	2452		MCS0	-11.11		Pass
1	2412	802.11ax (HE20)	MCS0	-9.49		Pass
6	2437		MCS0	-9.21		Pass
11	2462		MCS0	-8.61		Pass
3	2422	802.11ax (HE40)	MCS0	-12.24	Pass	
6	2437		MCS0	-12.51	Pass	
9	2452		MCS0	-12.11	Pass	

**Antenna 3:**

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Peak Power Spectral Density (dBm/3KHz)	Limit	Result
1	2412	802.11b	11 Mbps	-5.25	8dBm/3KHZ	Pass
6	2437		11 Mbps	-4.49		Pass
11	2462		11 Mbps	-5.03		Pass
1	2412	802.11g	54 Mbps	-10.10		Pass
6	2437		54 Mbps	-9.52		Pass
11	2462		54 Mbps	-9.64		Pass
1	2412	802.11n (HT20)	72.2 Mbps	-8.71		Pass
6	2437		72.2 Mbps	-8.60		Pass
11	2462		72.2 Mbps	-8.95		Pass
3	2422	802.11n (HT40)	MCS0	-12.30		Pass
6	2437		MCS0	-11.46		Pass
9	2452		MCS0	-11.31		Pass
1	2412	802.11ax (HE20)	MCS0	-9.59		Pass
6	2437		MCS0	-9.53		Pass
11	2462		MCS0	-8.94		Pass
3	2422	802.11ax (HE40)	MCS0	-12.25	Pass	
6	2437		MCS0	-12.58	Pass	
9	2452		MCS0	-12.08	Pass	

**Test result: Level = Read Level + Cable Loss.**

**The unit does meet the FCC requirements.**

Result plot as follows:

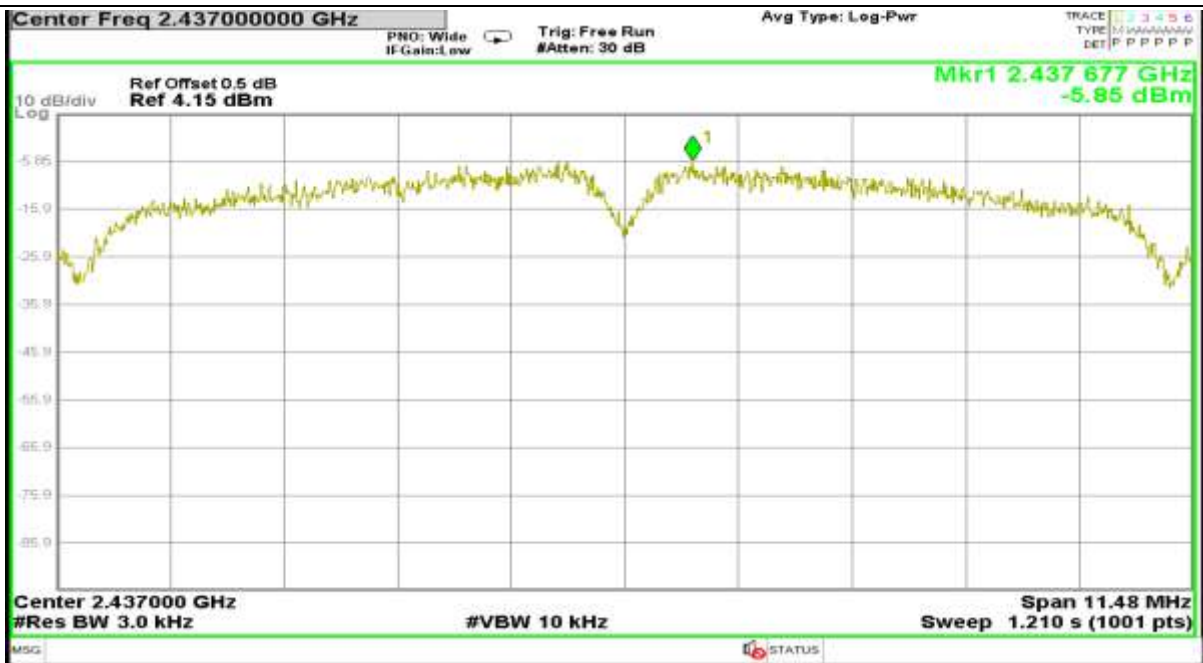
Antenna 0

802.11b mode with 11Mbps data rate

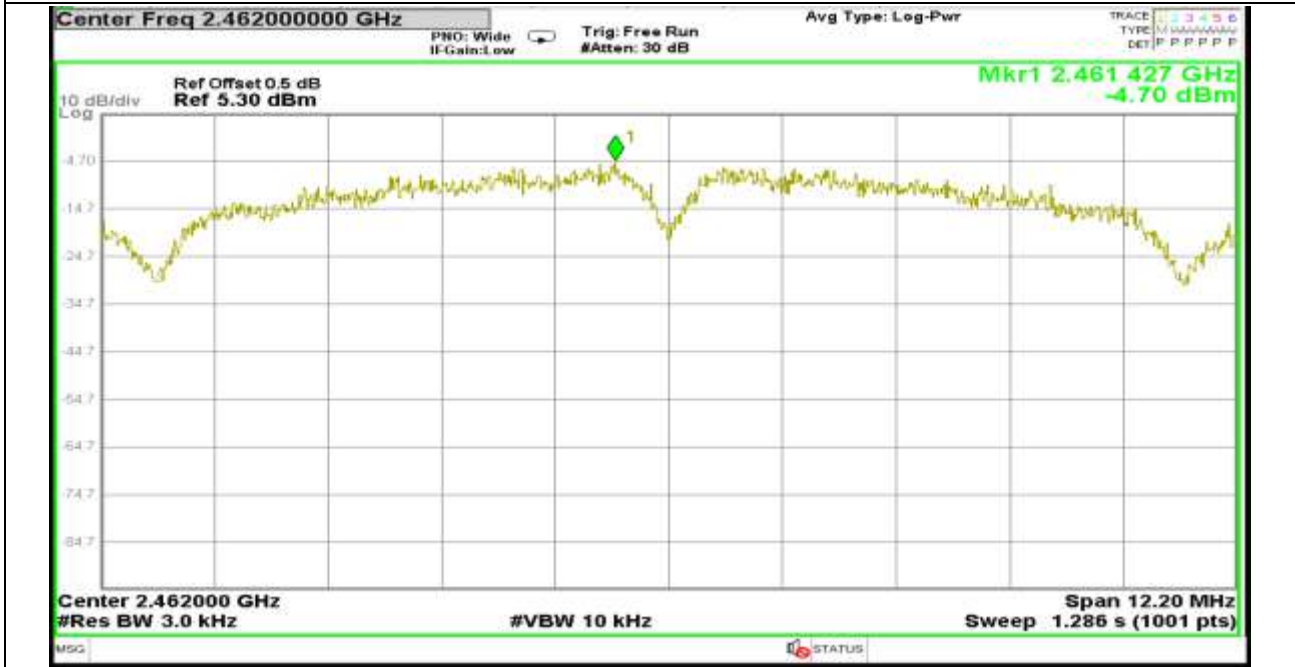
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:



802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:





Channel 6: 2.437GHz:



Channel 11: 2.462GHz:

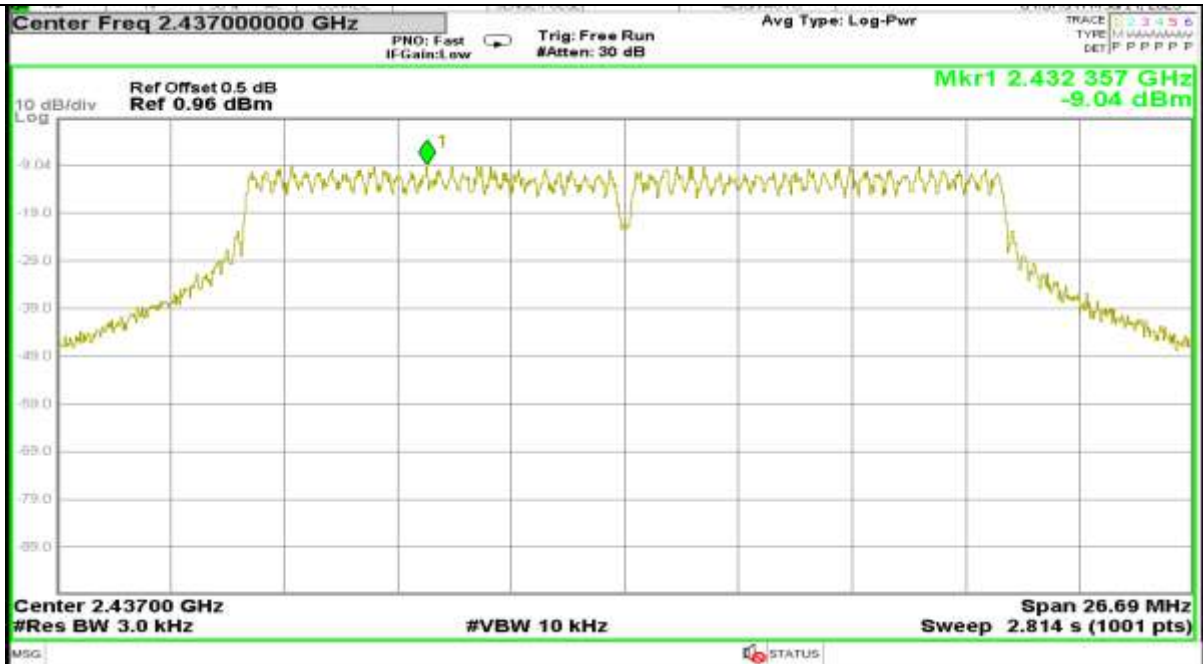


**802.11n(HT20) mode with 72.2Mbps data rate**

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

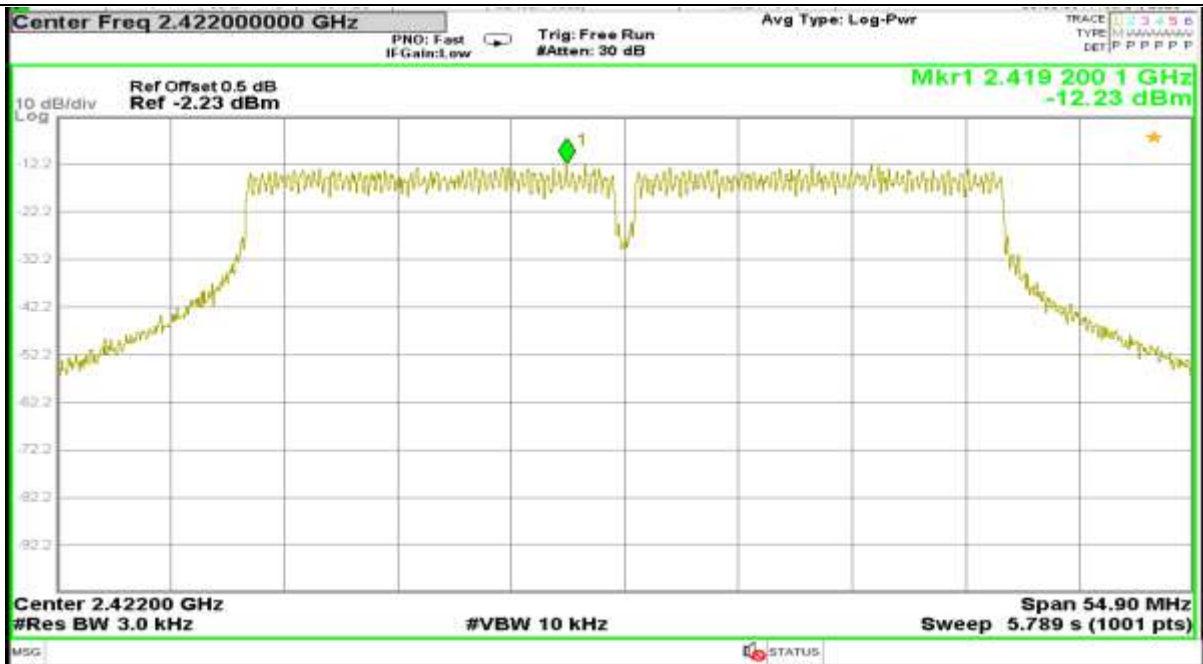


Channel 11: 2.462GHz

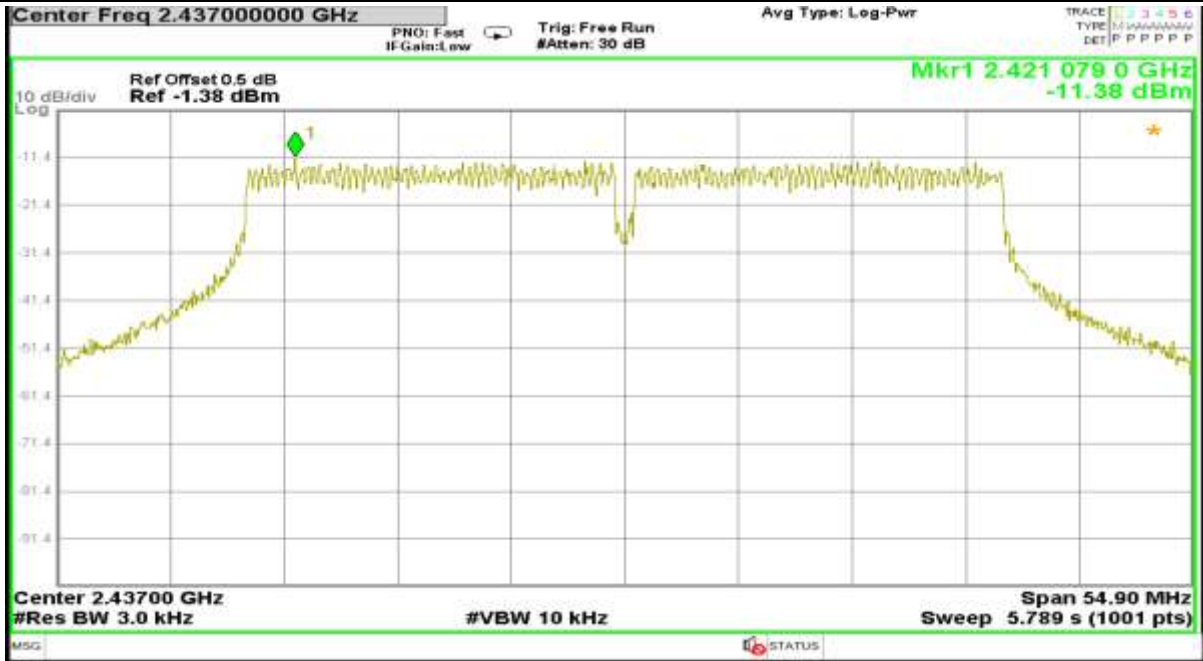


802.11n(HT40) mode with MCS0 data rate

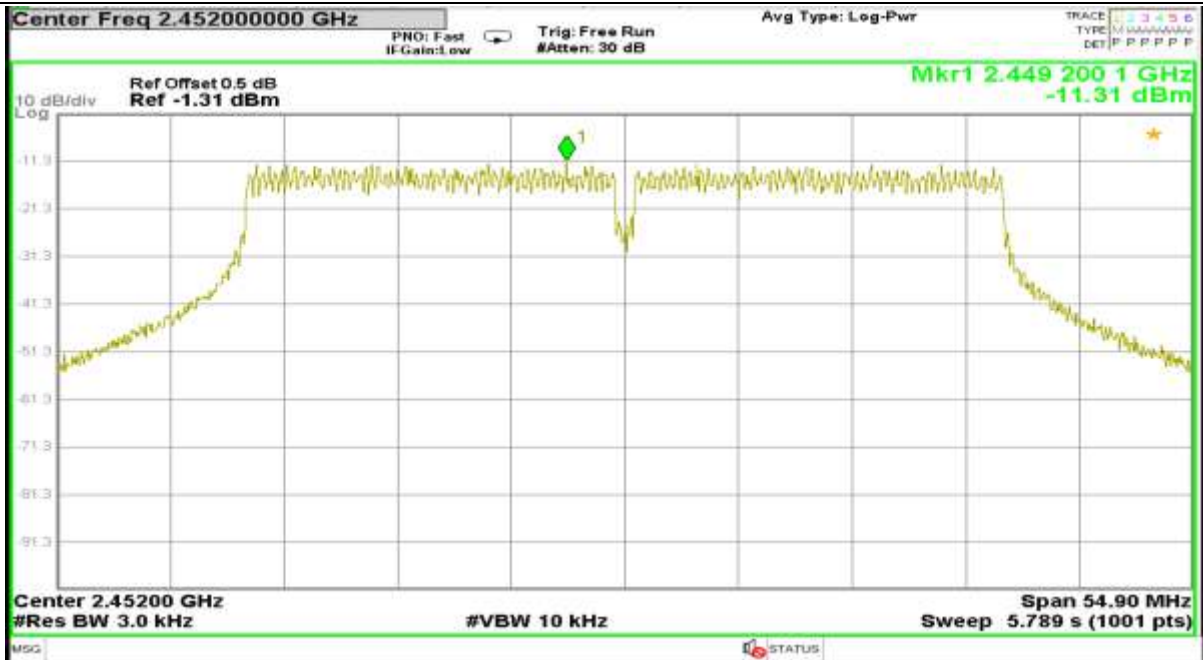
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



Channel 9: 2.452GHz:



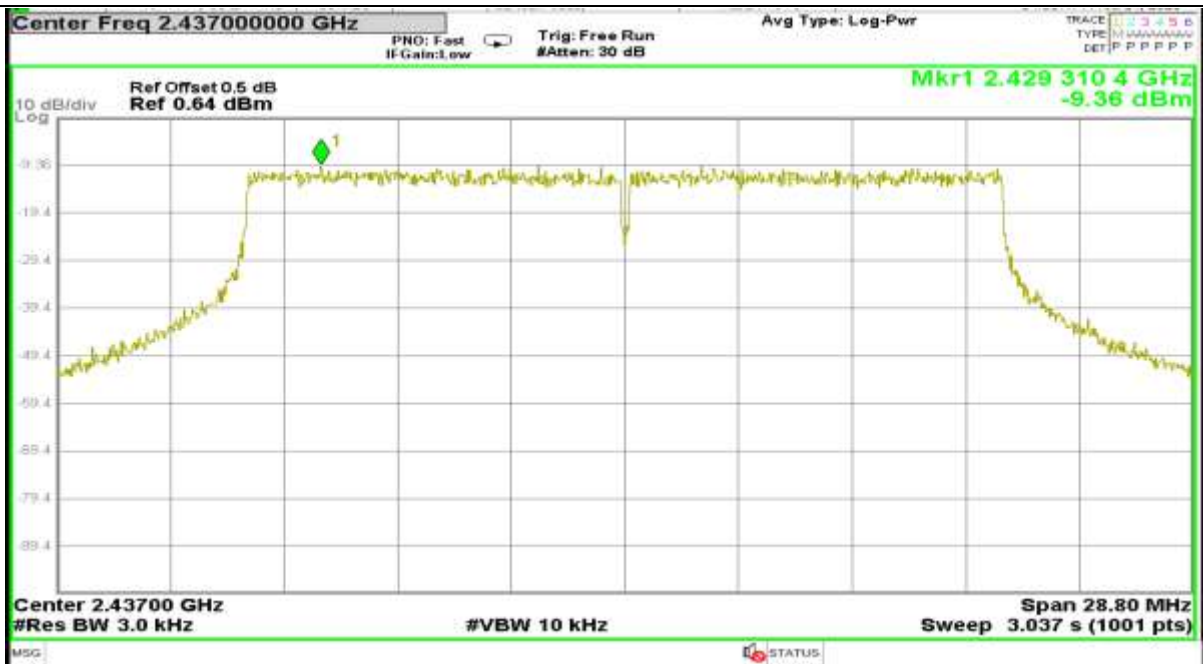


802.11ax(HE20) mode with MCS0 data rate

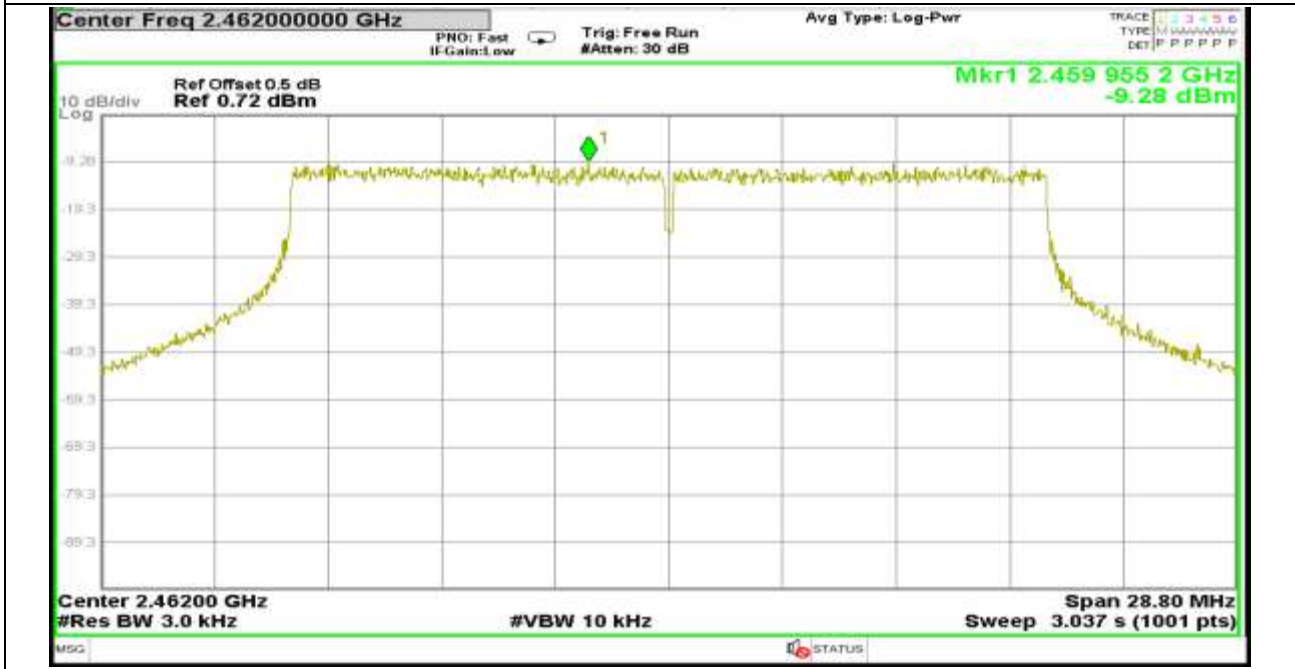
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

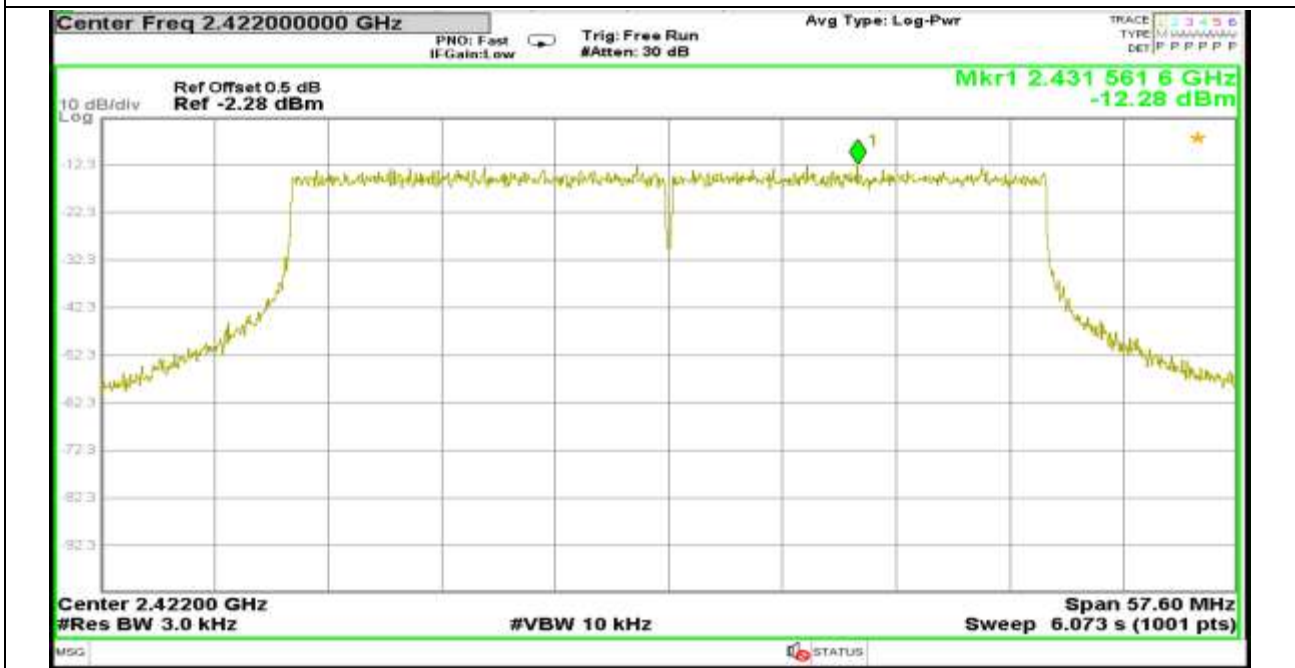


Channel 11: 2.462GHz:



802.11ax(HE40) mode with MCS0 data rate

Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



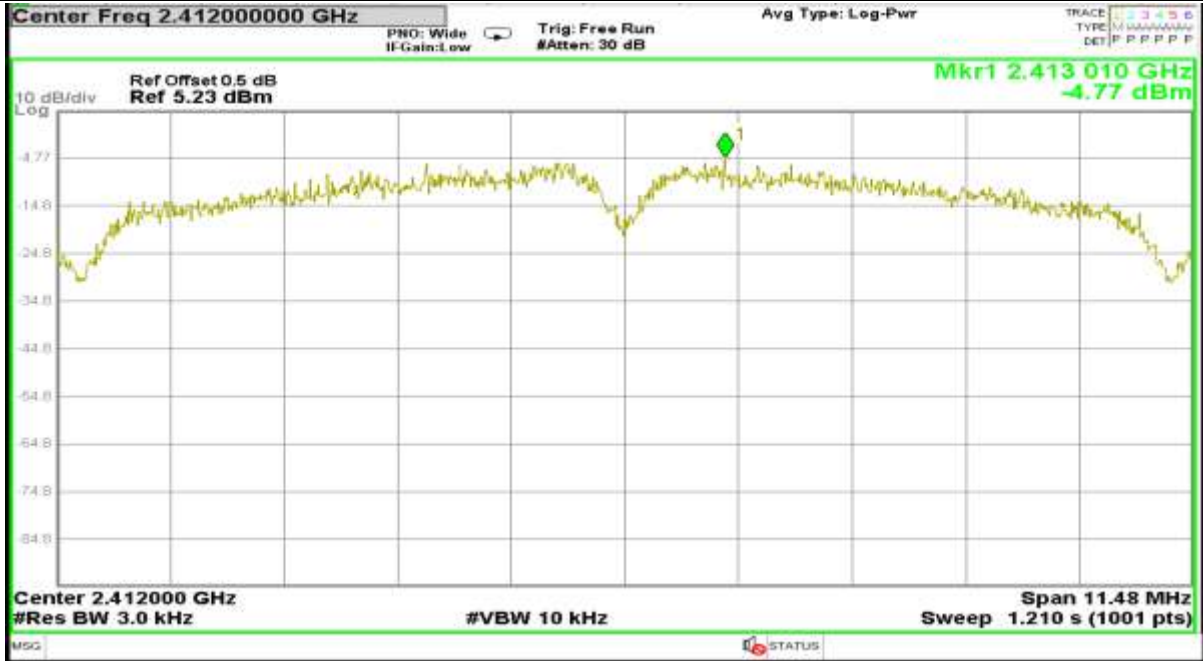
Channel 9: 2.452GHz:



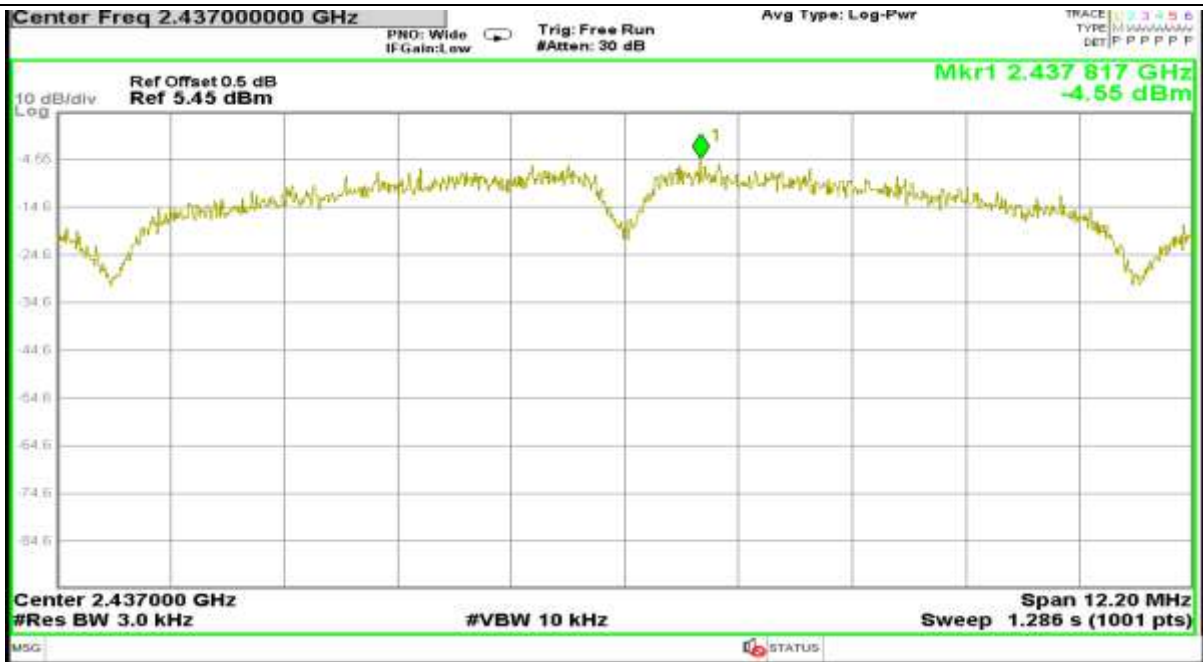
Antenna 1

802.11b mode with 11Mbps data rate

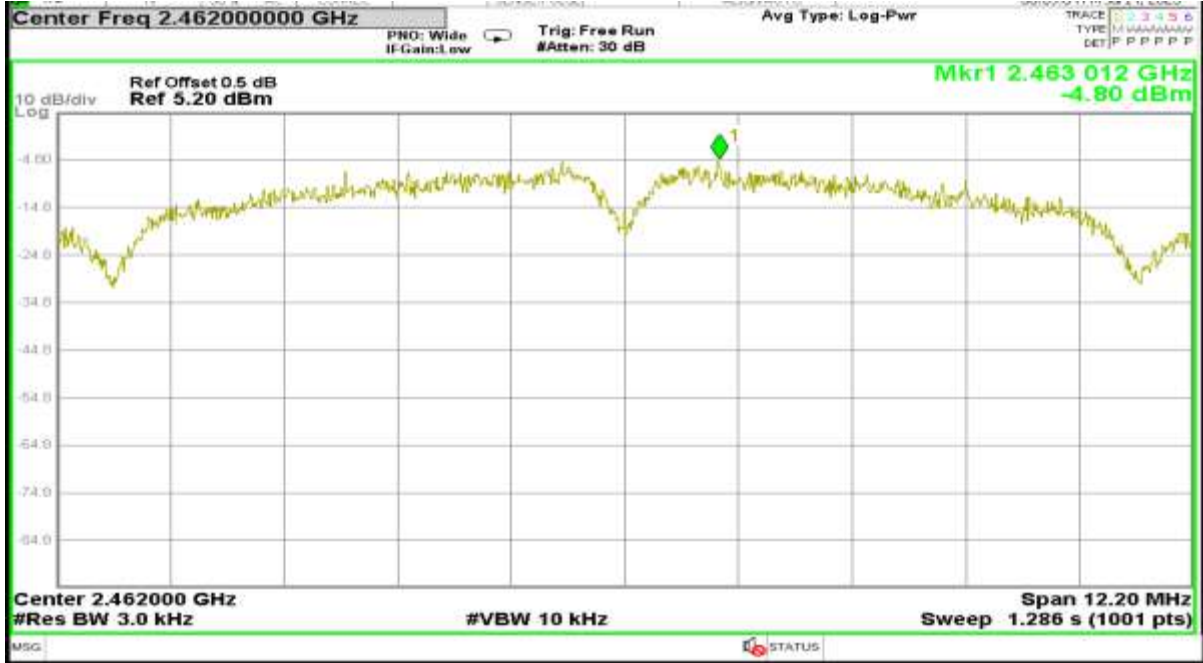
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:



802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:





Channel 6: 2.437GHz:



Channel 11: 2.462GHz:



**802.11n(HT20) mode with 72.2Mbps data rate**

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

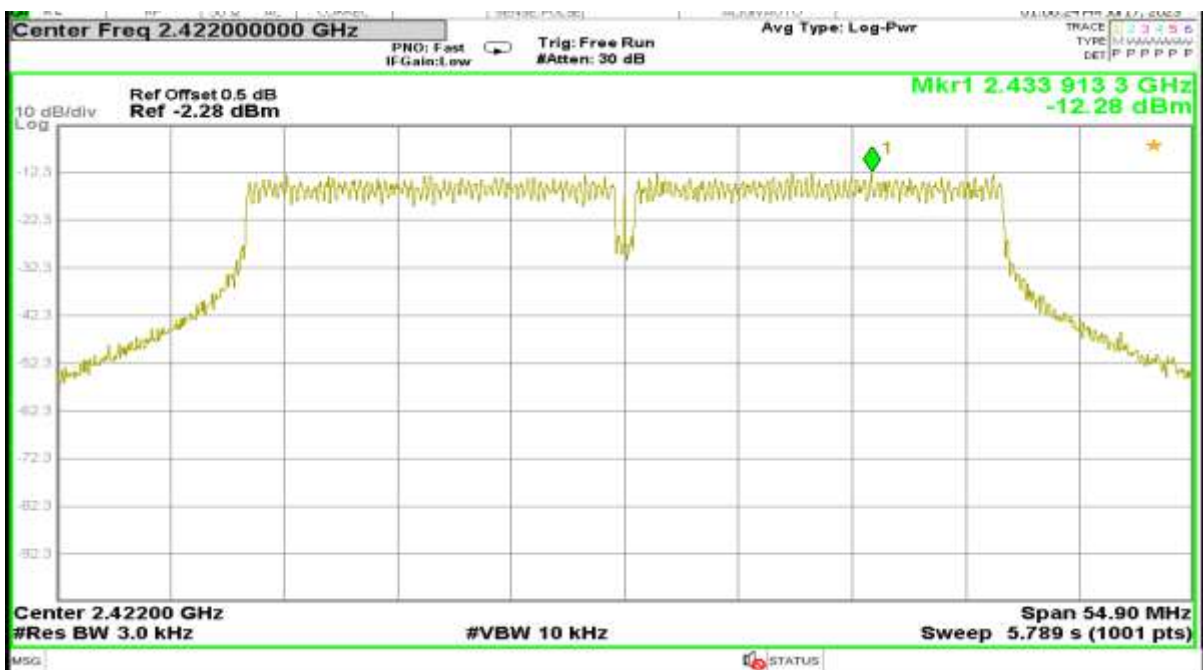


Channel 11: 2.462GHz



802.11n(HT40) mode with MCS0 data rate

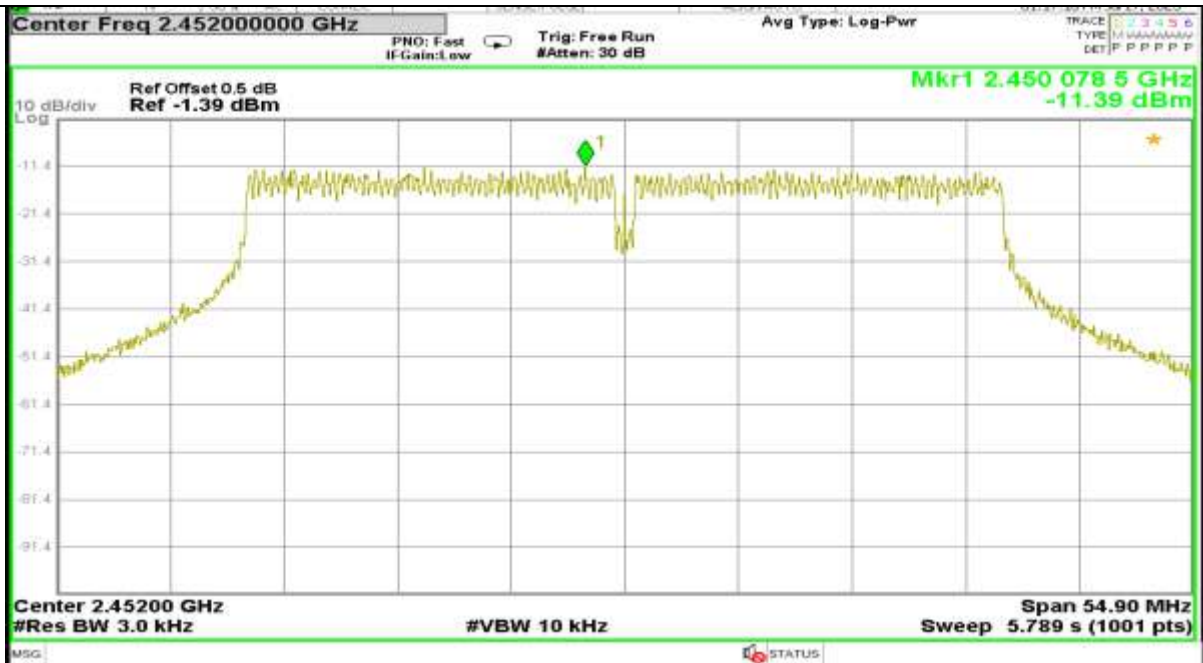
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



Channel 9: 2.452GHz:



802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:

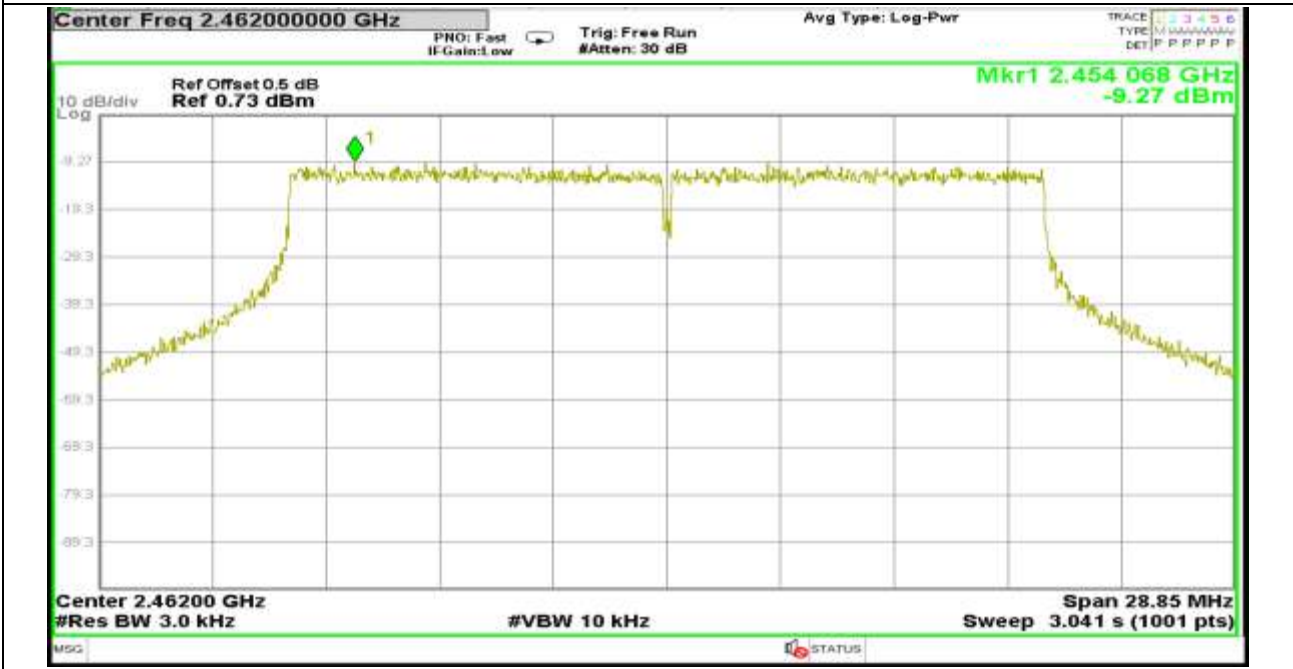


Channel 6: 2.437GHz:



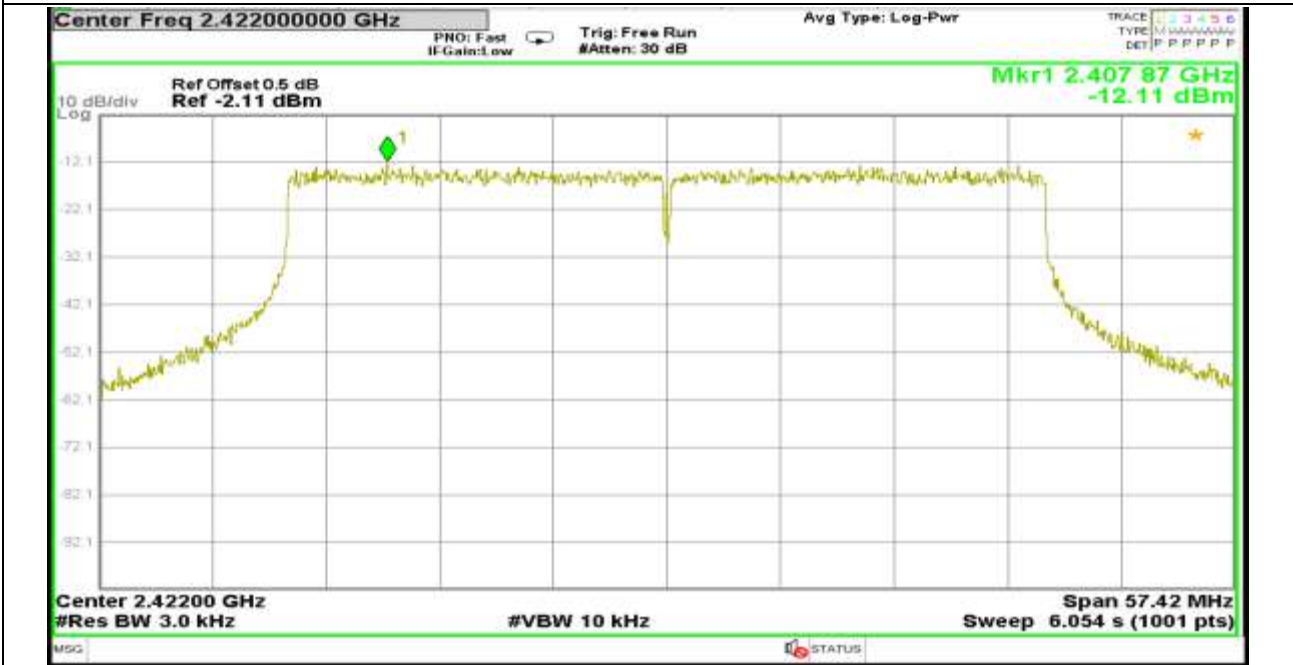


Channel 11: 2.462GHz:



802.11ax(HE40) mode with MCS0 data rate

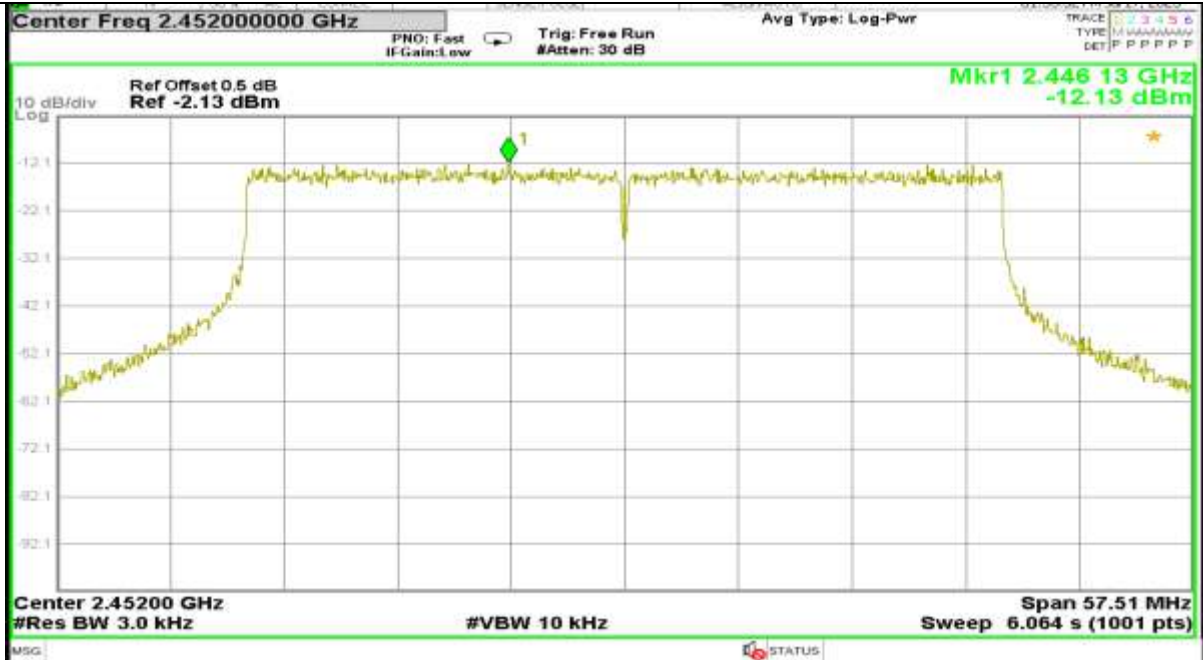
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



Channel 9: 2.452GHz:



Antenna 2

802.11b mode with 11Mbps data rate

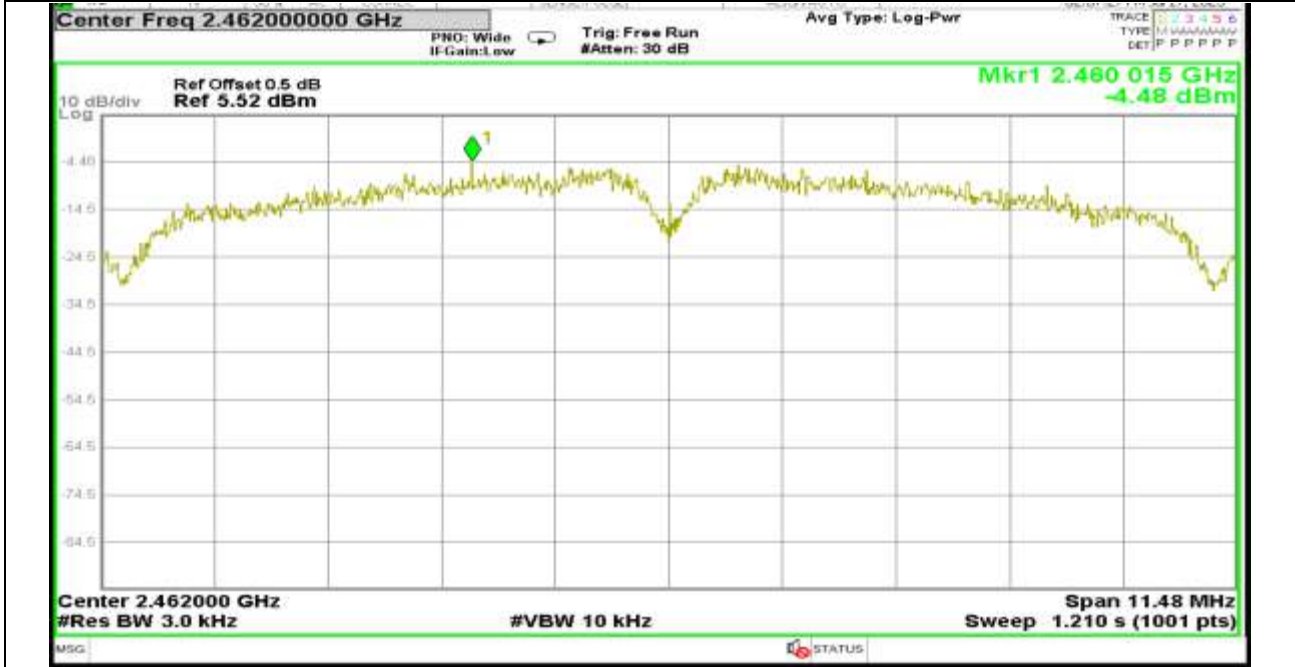
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:

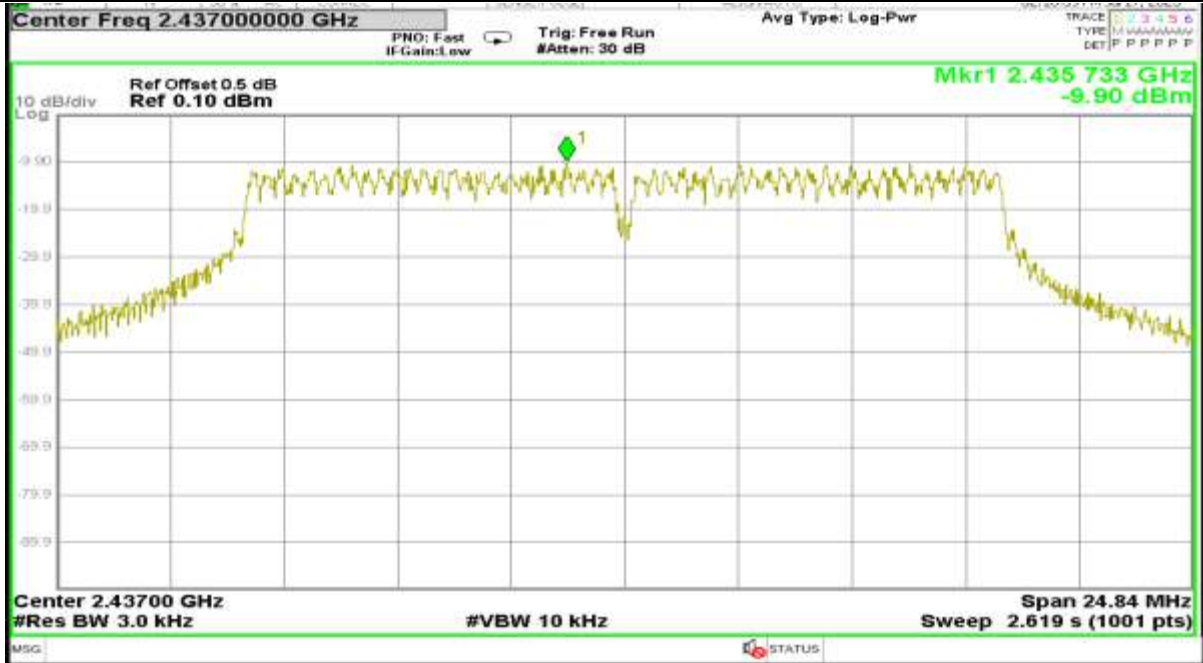


802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:





**802.11n(HT20) mode with 72.2Mbps data rate**

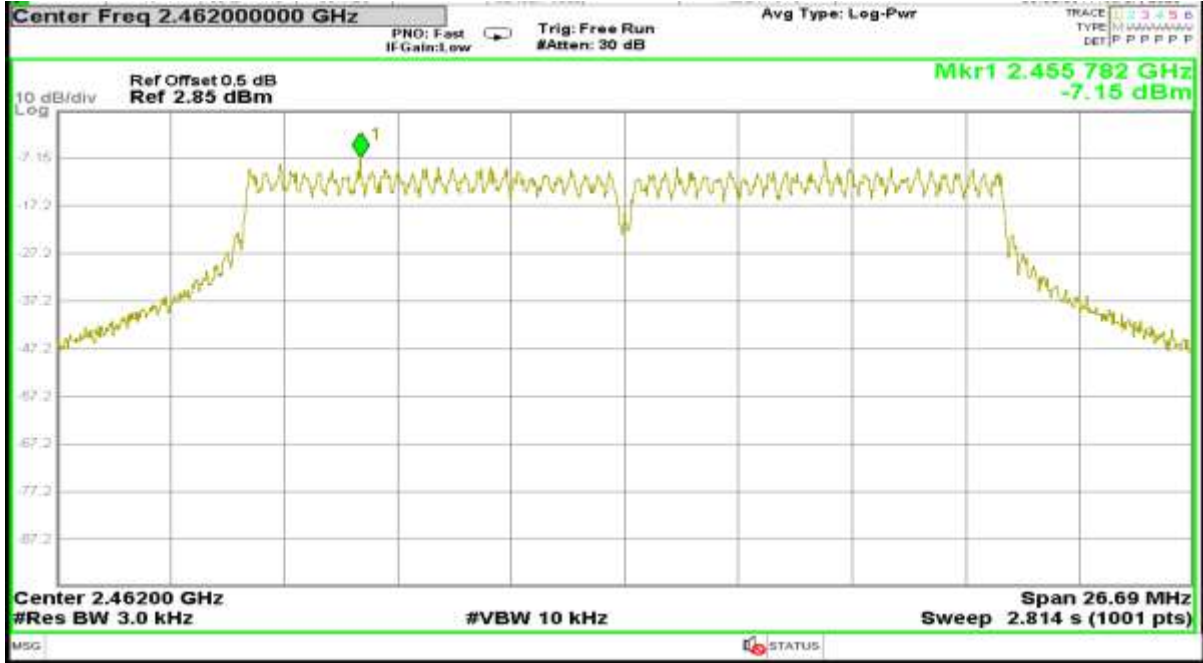
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

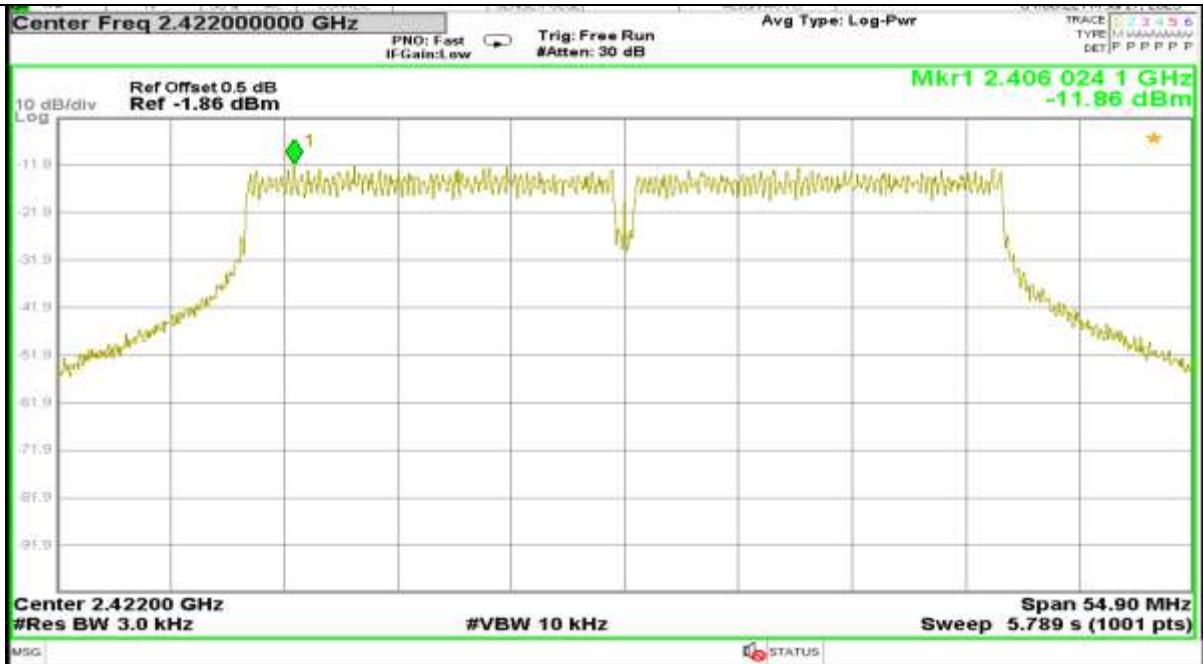


Channel 11: 2.462GHz

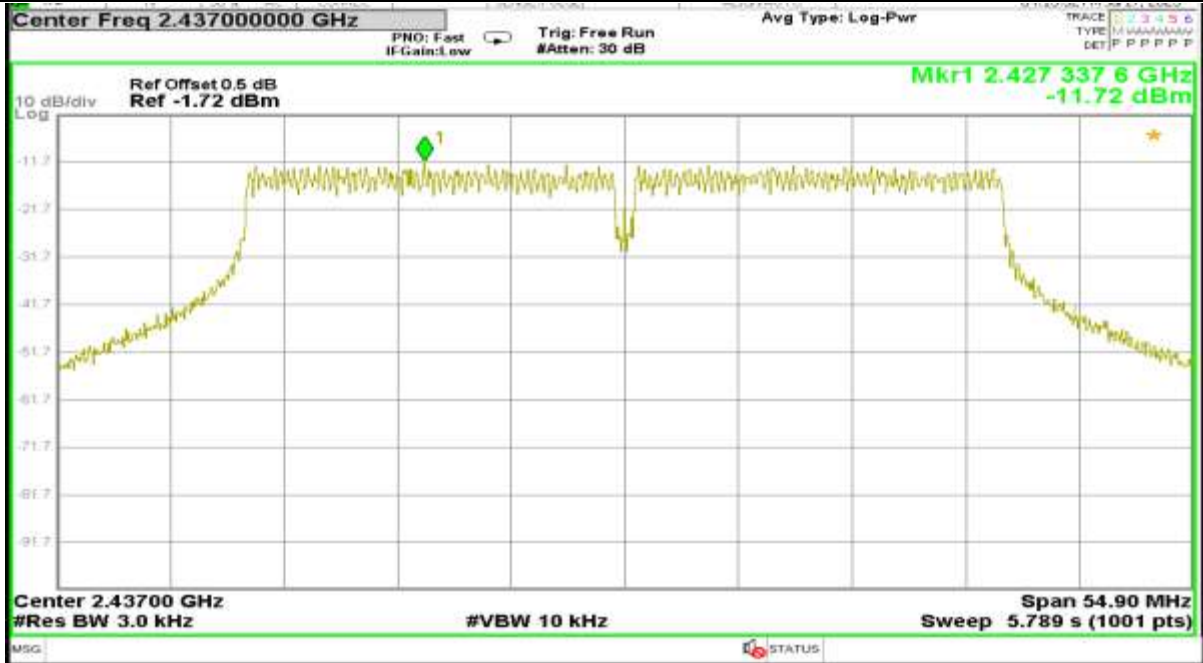


802.11n(HT40) mode with MCS0 data rate

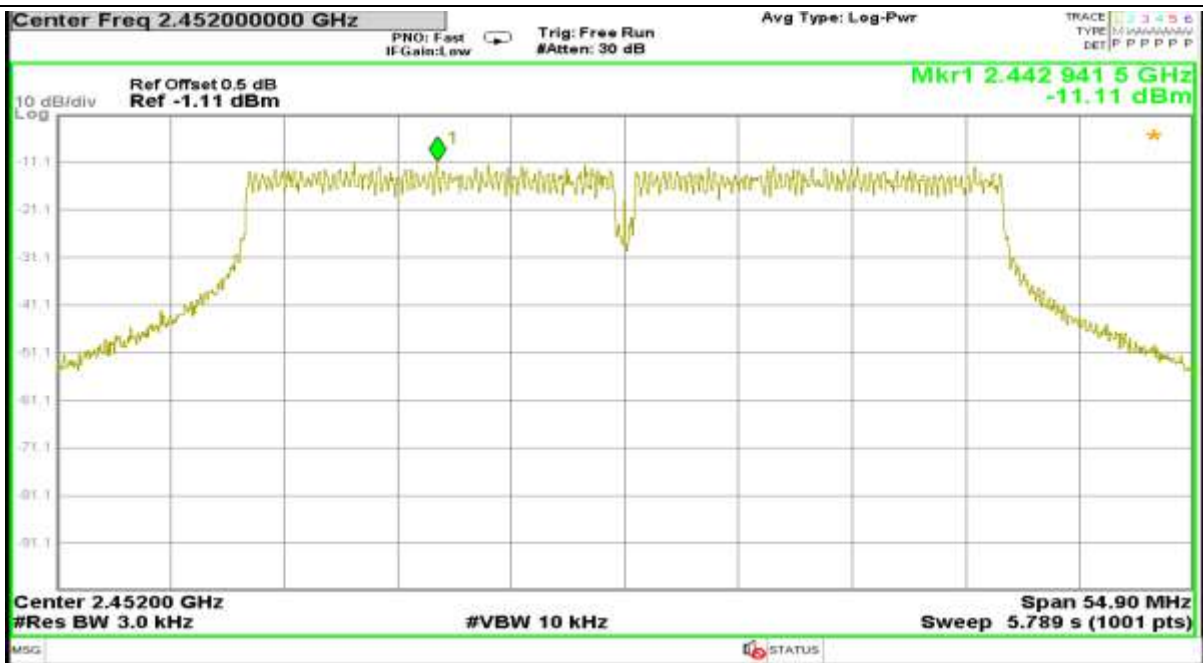
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:

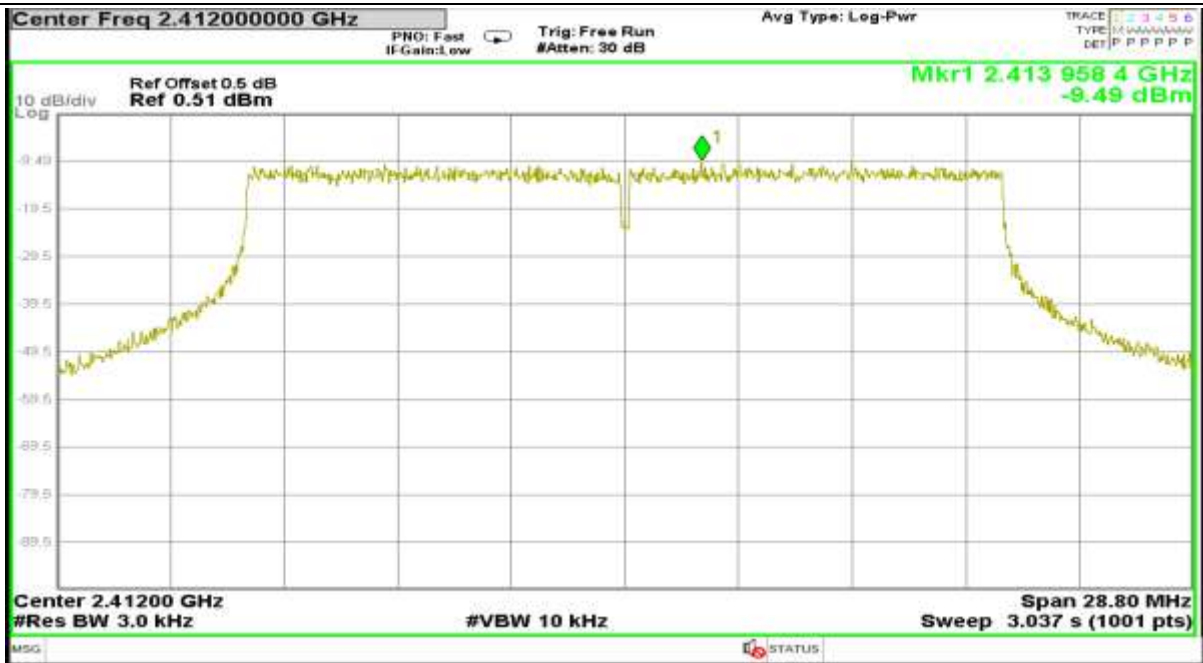


Channel 9: 2.452GHz:

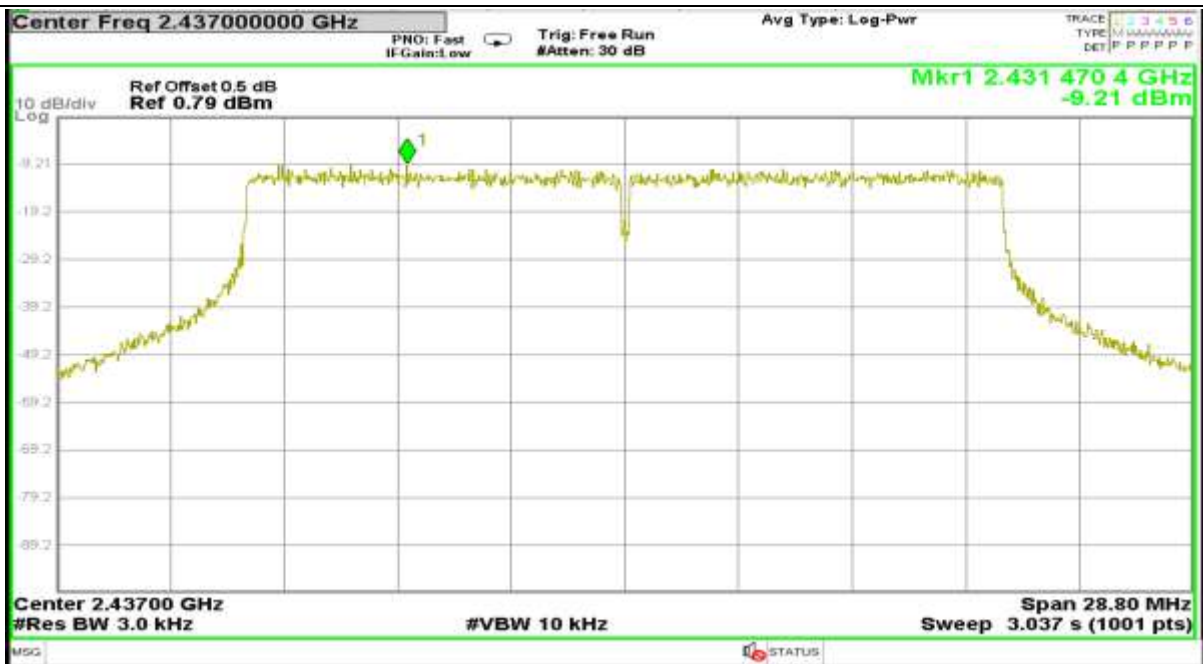


802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:



802.11ax(HE40) mode with MCS0 data rate

Channel 3: 2.422GHz:





Channel 6: 2.437GHz:



Channel 9: 2.452GHz:



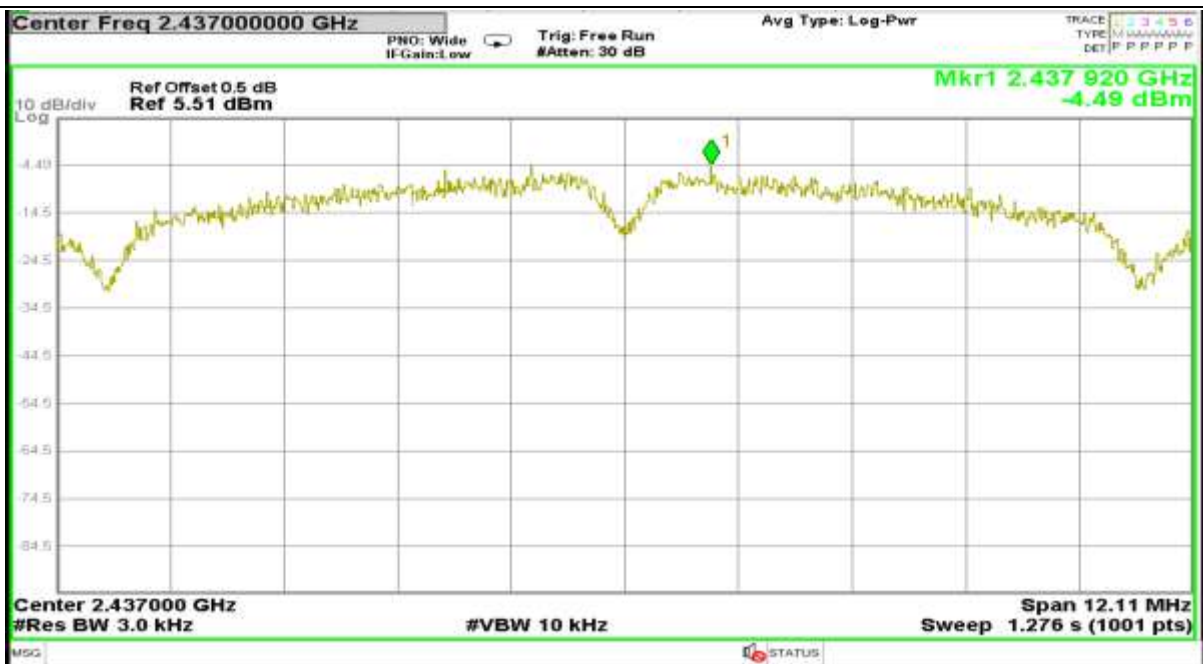
Antenna 3

802.11b mode with 11Mbps data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

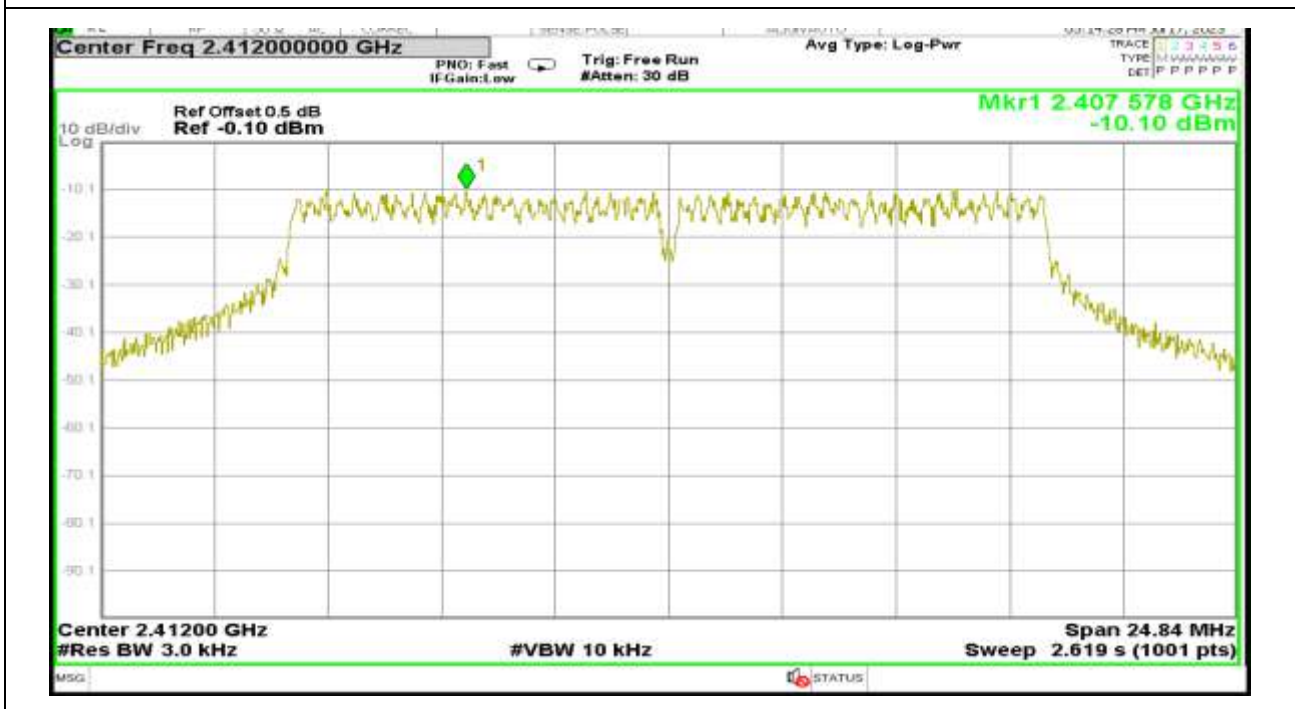


Channel 11: 2.462GHz:



802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



Channel 11: 2.462GHz:

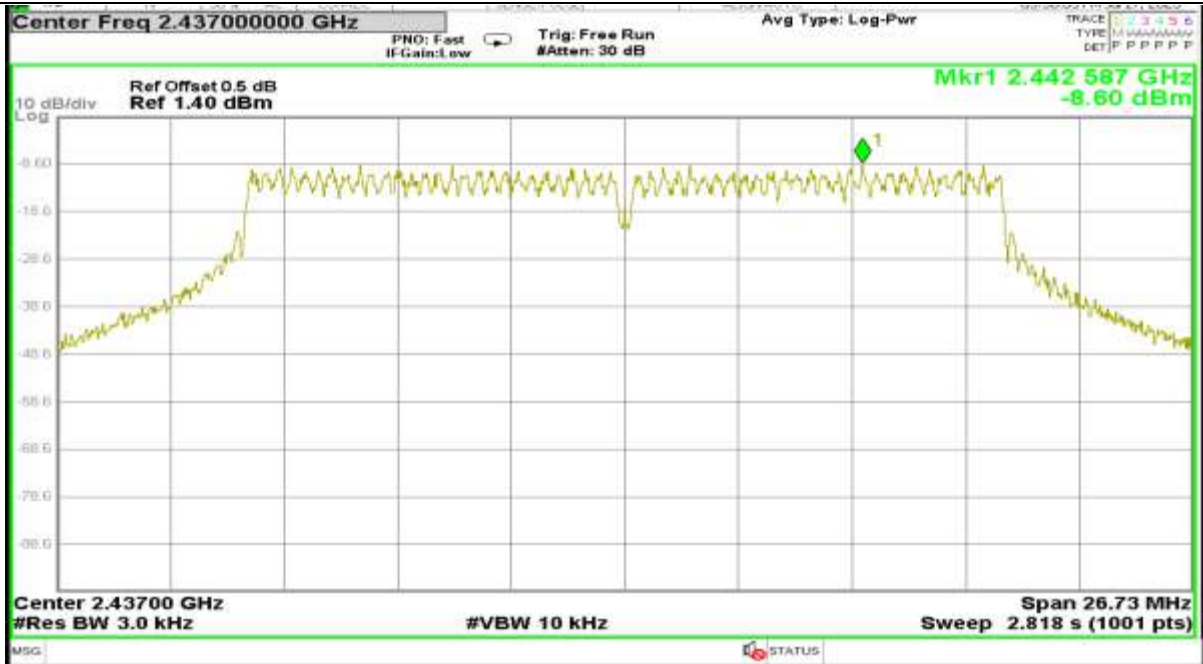


**802.11n(HT20) mode with 72.2Mbps data rate**

Channel 1: 2.412GHz:



Channel 6: 2.437GHz:



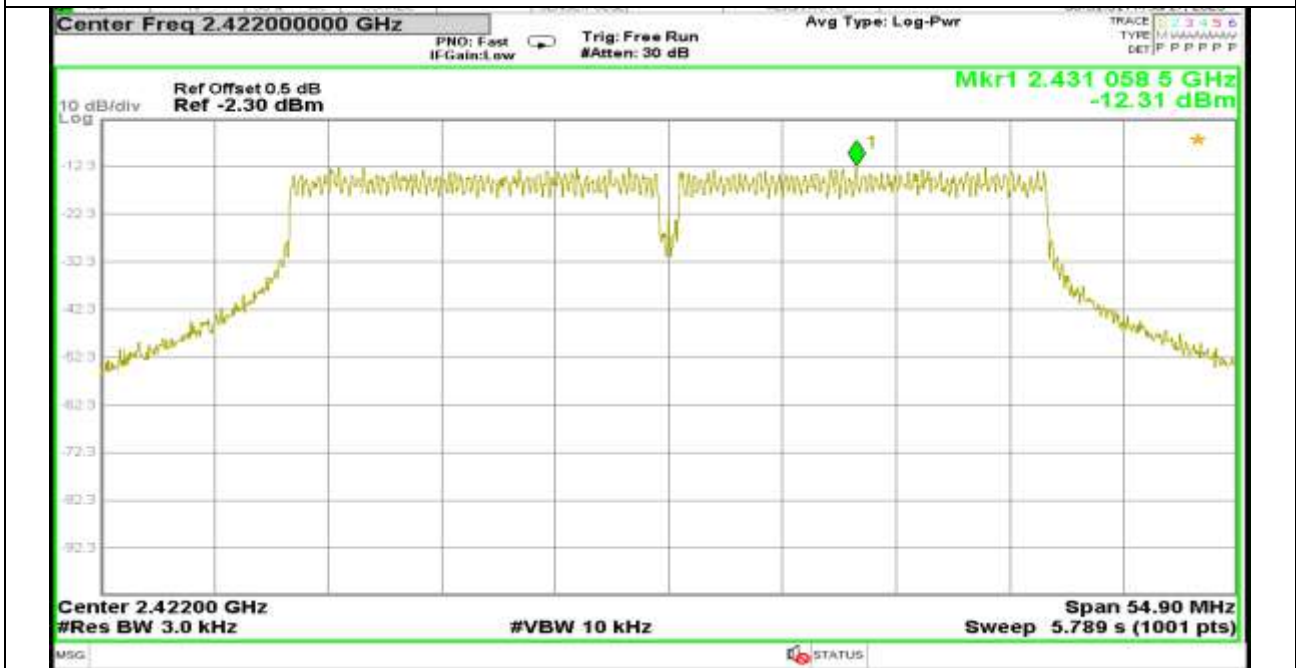


Channel 11: 2.462GHz

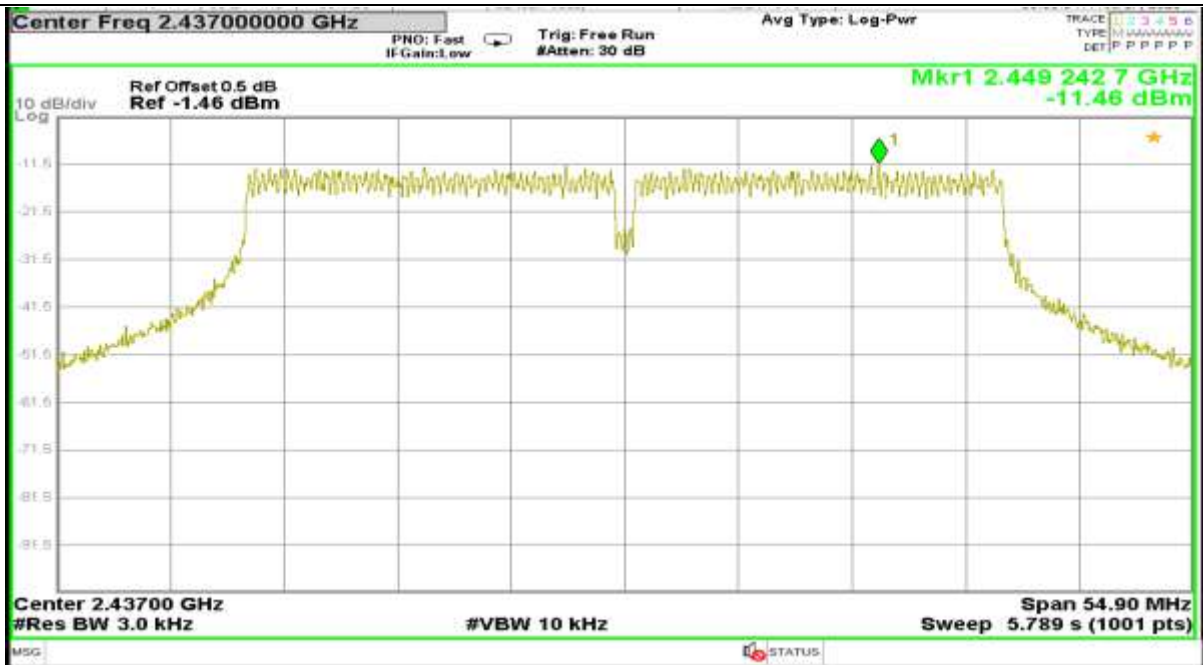


802.11n(HT40) mode with MCS0 data rate

Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



Channel 9: 2.452GHz:

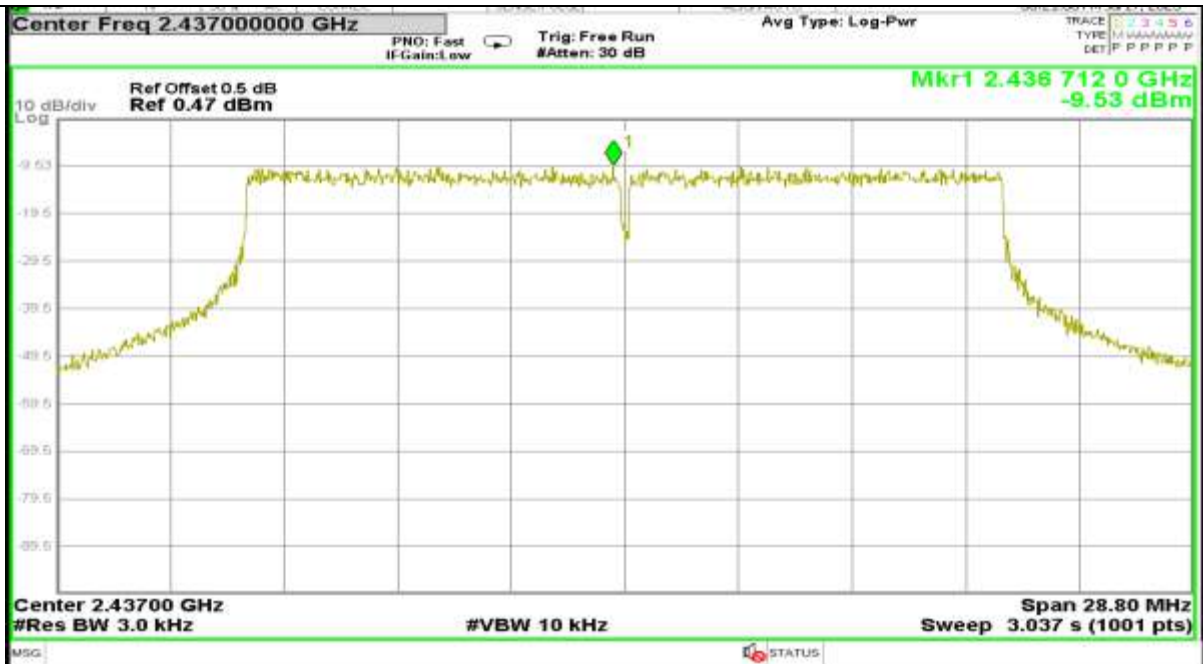


802.11ax(HE20) mode with MCS0 data rate

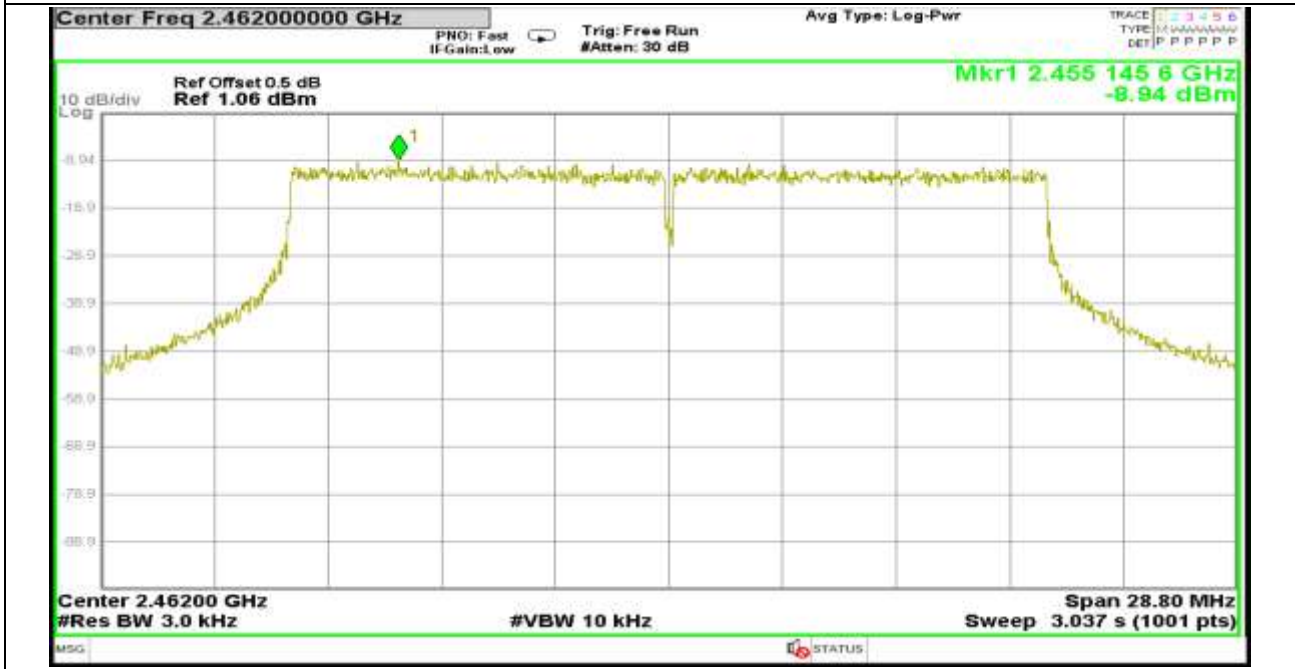
Channel 1: 2.412GHz:



Channel 6: 2.437GHz:

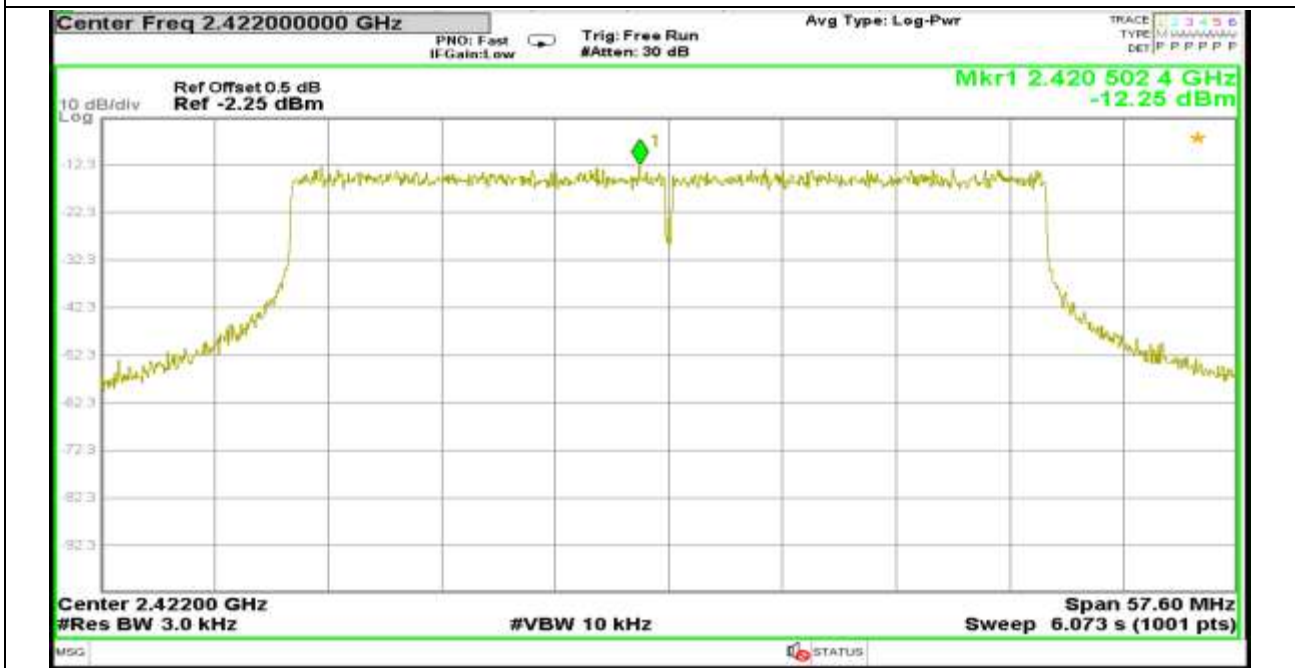


Channel 11: 2.462GHz:



802.11ax(HE40) mode with MCS0 data rate

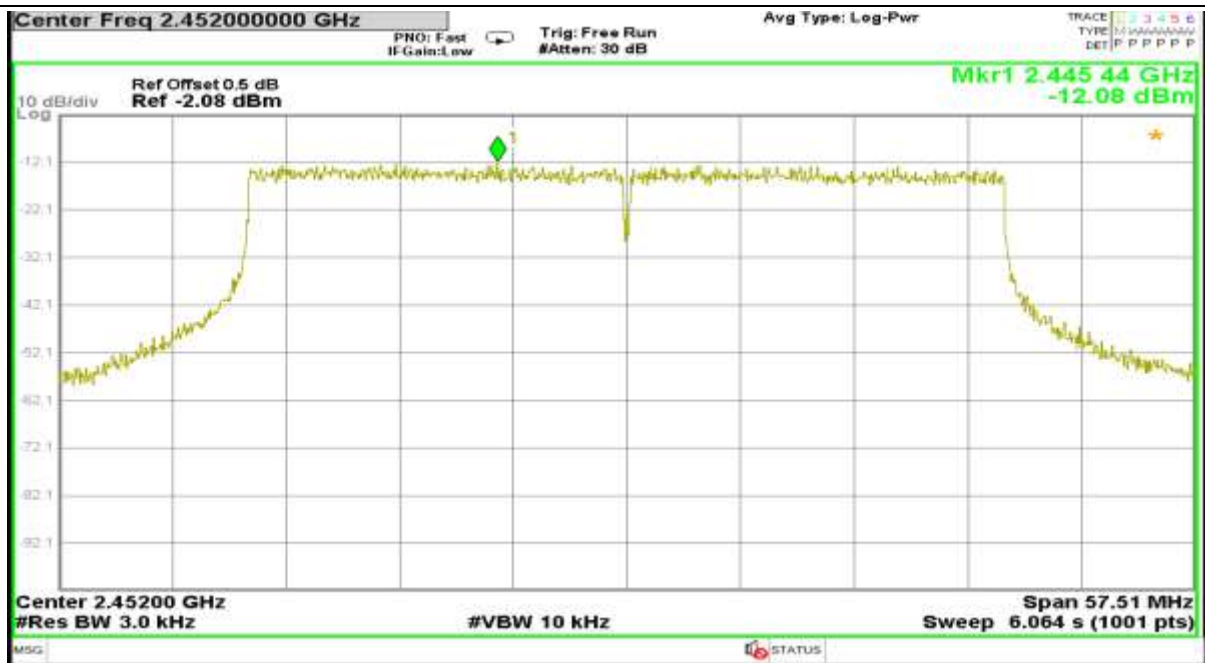
Channel 3: 2.422GHz:



Channel 6: 2.437GHz:



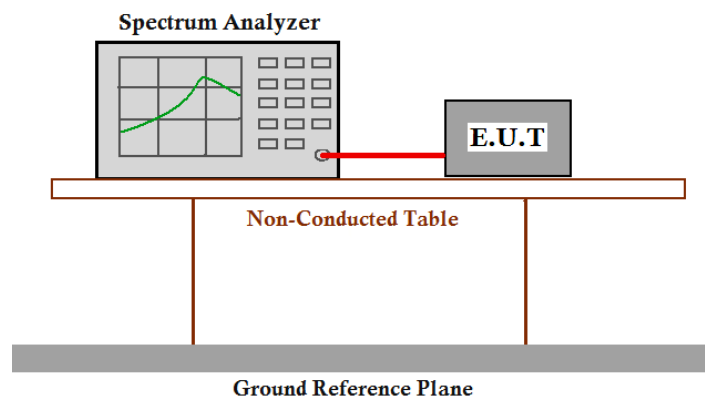
Channel 9: 2.452GHz:





## 7.8 Band Edges Requirement

Test Requirement:	FCC Part 15 C section 15.247  (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. The radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits.
Frequency Band:	2400 MHz to 2483.5 MHz
Test Method:	558074 D01 15.247 Meas Guidance v0502 Clause 13.3.1
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.  Pre-test the EUT under 2 modes: power-supplied by using the AC adapter and power-supplied by using internal battery. After pre-testing, we found the worst case is the test mode of EUT power-supplied by using internal battery.
Test Configuration:	



### Test Procedure:

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
2. Set instrument center frequency to the frequency of the emission to be measured (must be within 2MHz of the authorized band edge).
3. Set span to 2MHz,
4. RBW=100kHz,
5. VBW $\geq$ 3 $\times$ RBW
6. Detector=peak

7. Sweep time =auto,
8. Trace mode=max hold.
9. Allow sweep to continue until the trace stabilizes(required measurement time may increase for low duty cycle applications)
10. Compute the power by integrating the spectrum over 1MHz using the analyzer's band power measurement function with band limits set equal to the emission frequency( $f_{\text{emission}} \pm 0.5\text{MHz}$ ).If the instrument does not have a band power function,the sum the amplitude levels(in power units) at 100kHz intervals extending across the 1MHz spectrum defined by  $f_{\text{emission}} \pm 0.5\text{MHz}$ .

**Test result with plots as follows:**

Compare with the output power of the lowest frequency, the Lower Edges attenuated more than 20dB

Compare with the output power of the highest frequency, the Upper Edges attenuated more than 20dB.

**Antenna 0:**

802.11b mode with 11Mbps data rate

Channel1: 2.412 GHz



Channel11: 2.462 GHz



802.11g mode with 54 Mbps data rate

Channel1: 2.412 GHz

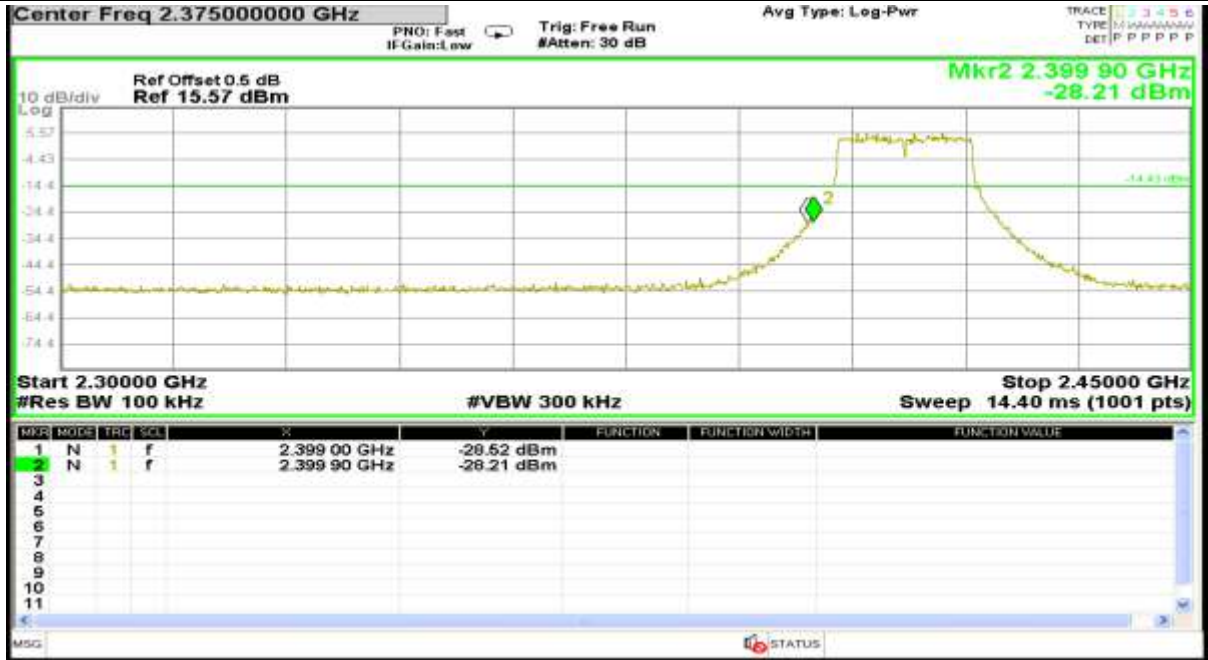


Channel 11: 2.462 GHz



**802.11n(HT20) mode with 72.2Mbps data rate**

Channel1: 2.412 GHz



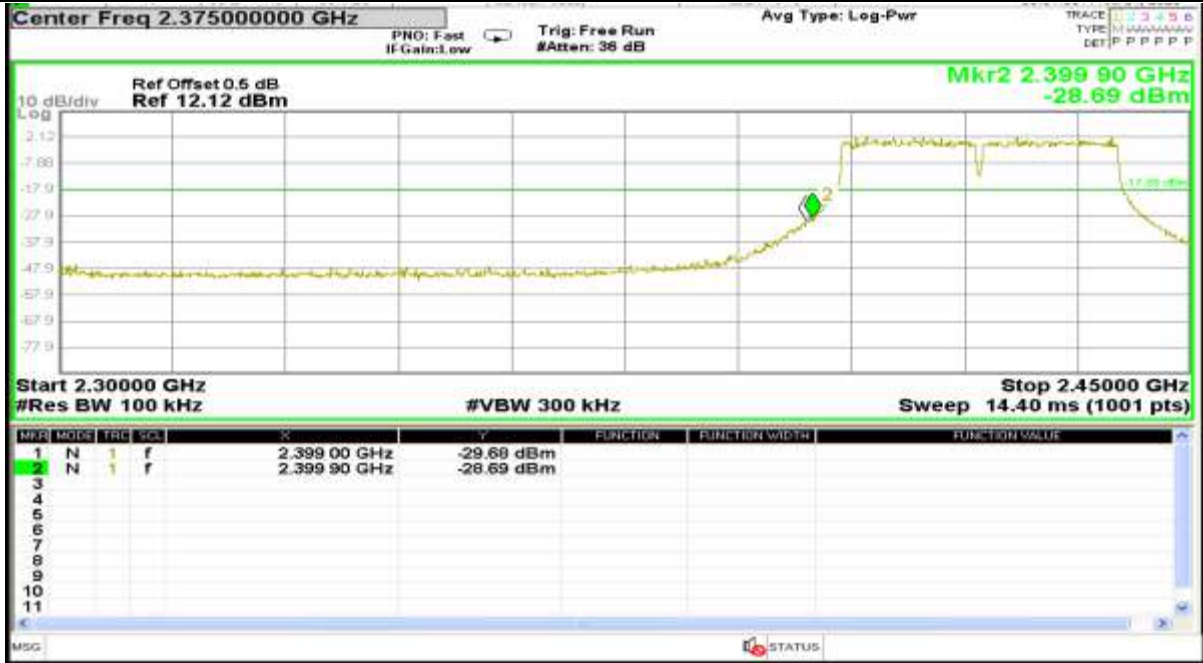
Channel11: 2.462 GHz





**802.11n(HT40) mode with MCS0 data rate**

Channel 3: 2.422GHz:



Channel 9: 2.452GHz:

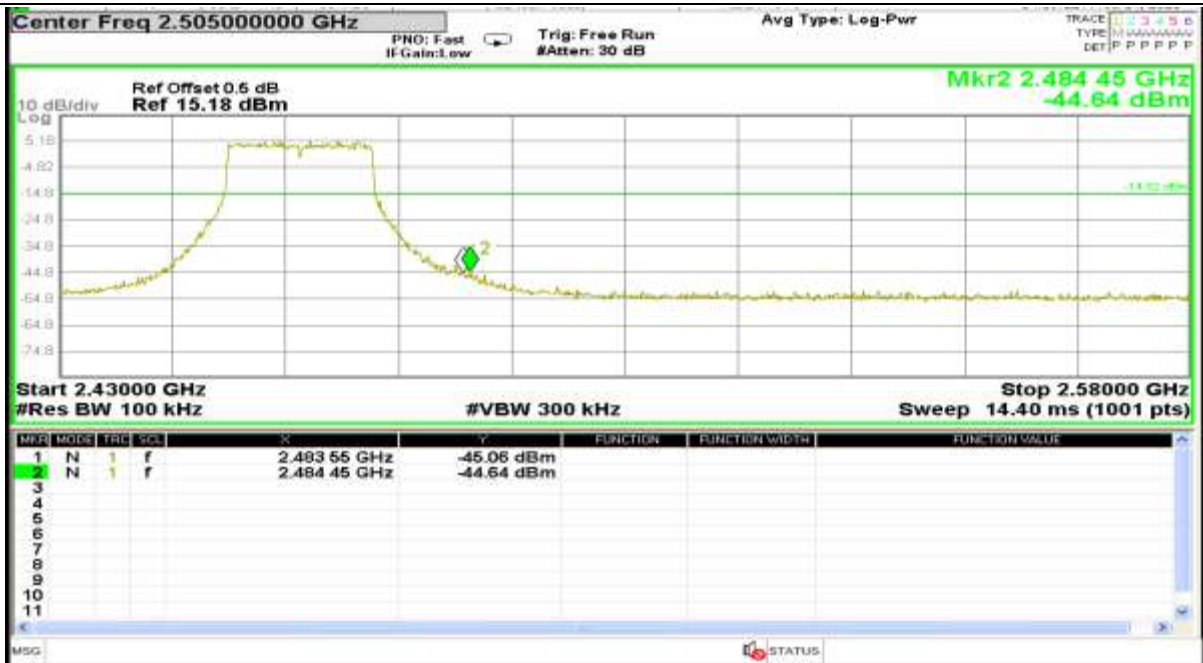


802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:

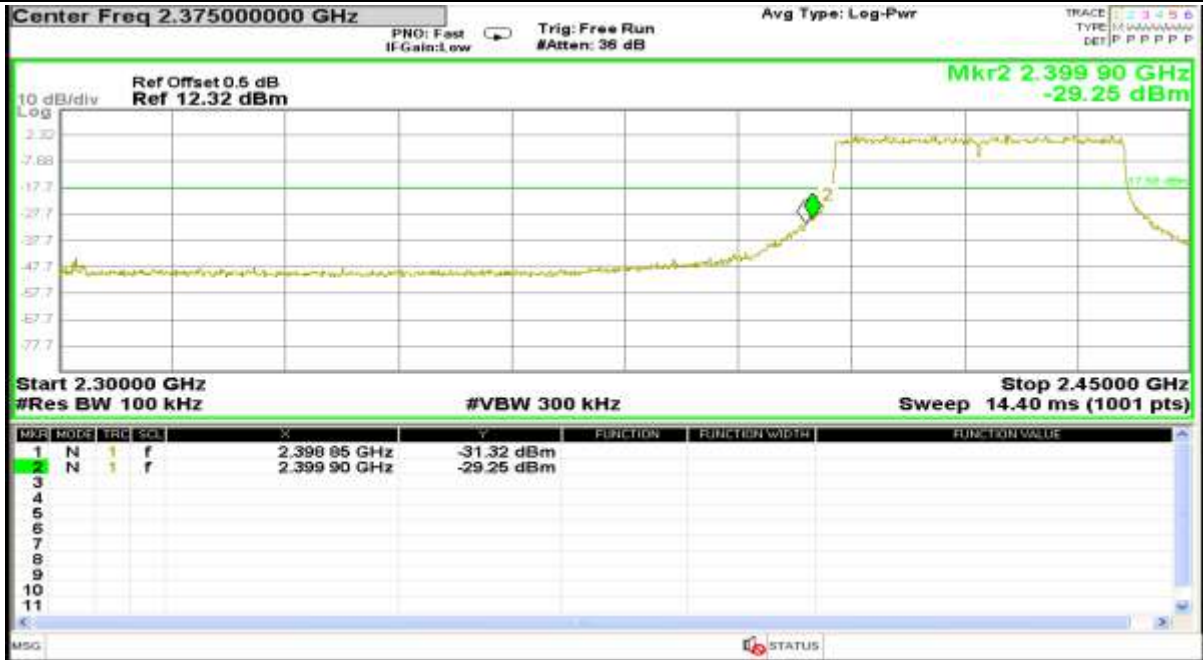


Channel 11: 2.462GHz:



**802.11ax(HE40) mode with MCS0 data rate**

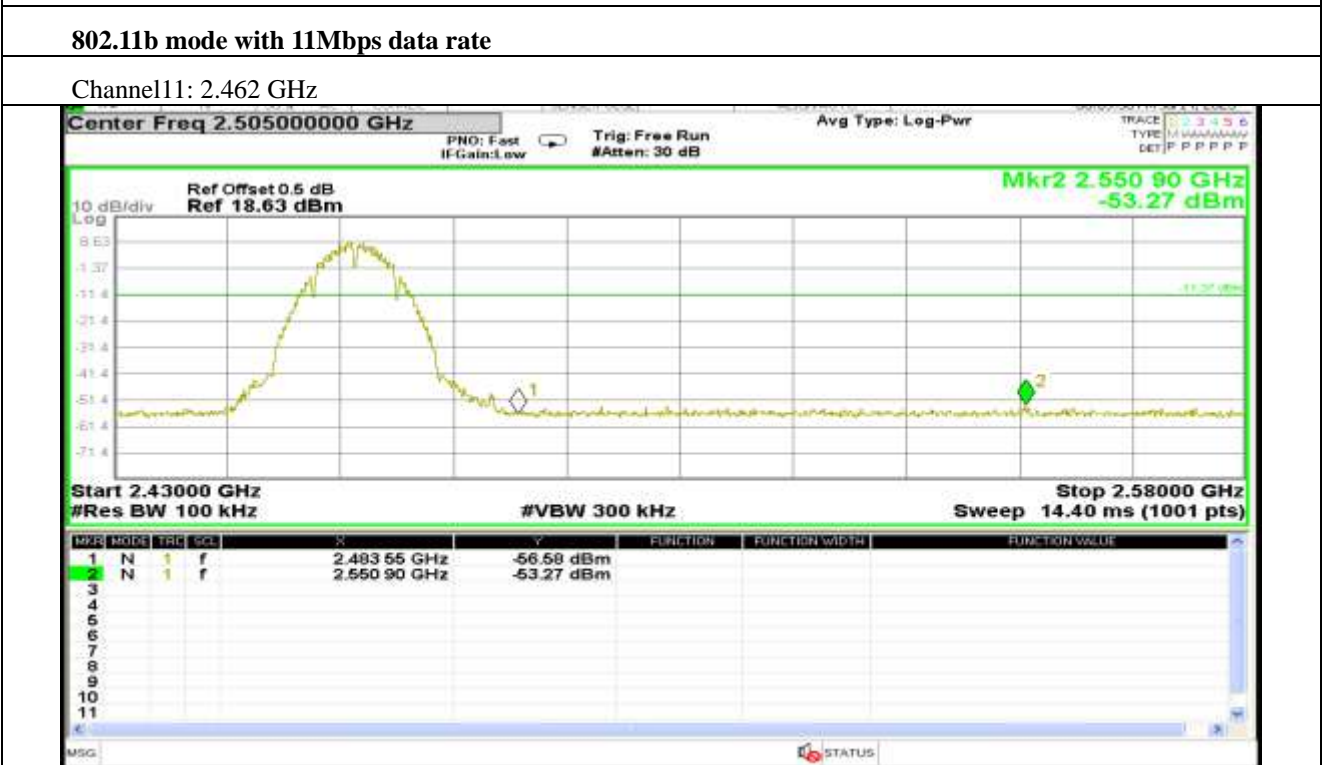
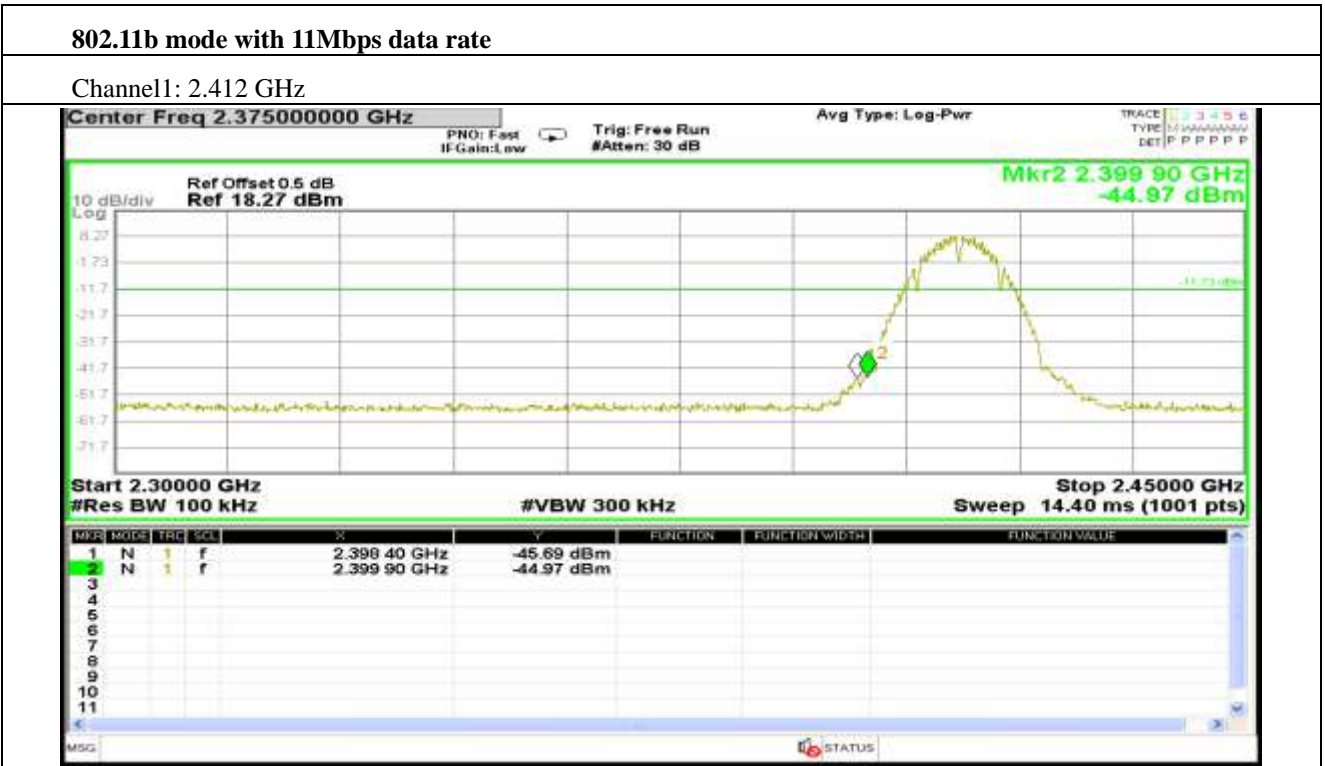
Channel 3: 2.422GHz:



Channel 9: 2.452GHz:



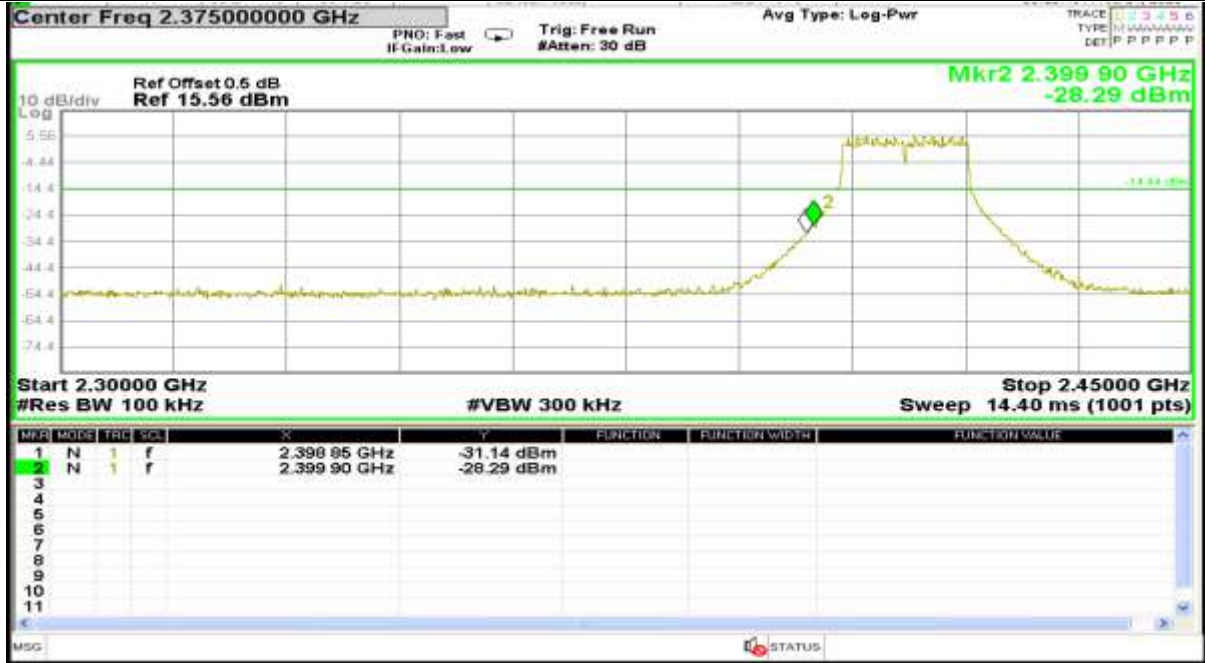
**Antenna 1:**





**802.11g mode with 54 Mbps data rate**

Channel1: 2.412 GHz



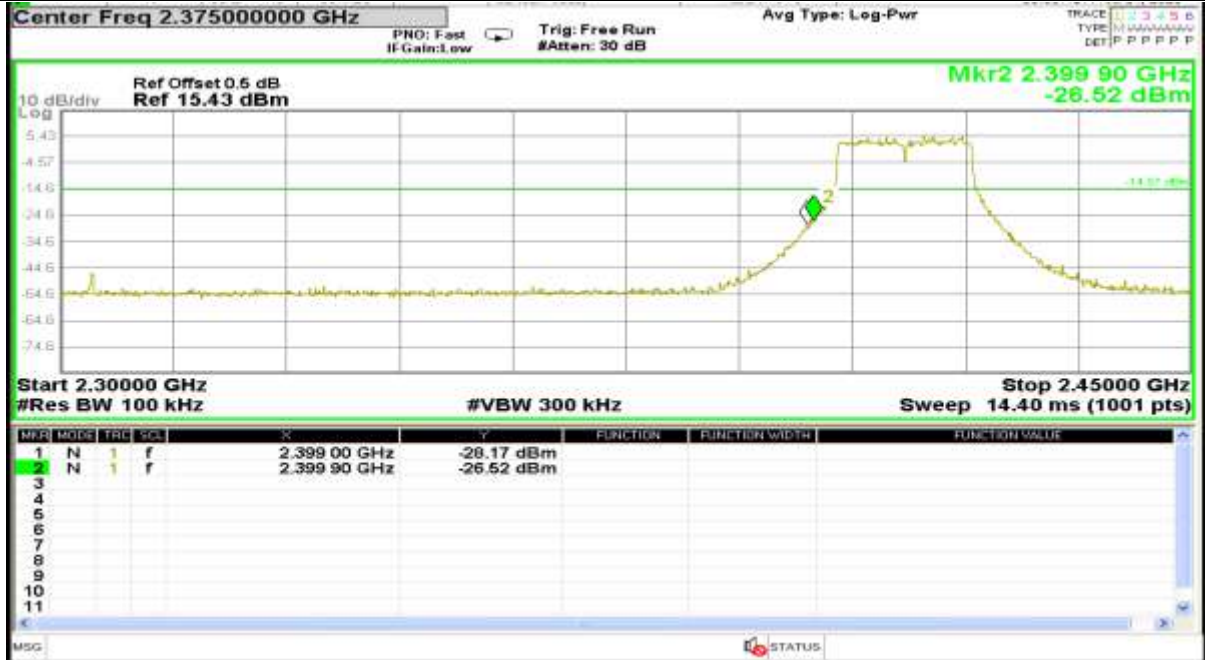
Channel 11: 2.462 GHz





**802.11n(HT20) mode with 72.2Mbps data rate**

Channel1: 2.412 GHz



Channel11: 2.462 GHz



802.11n(HT40) mode with MCS0 data rate

Channel 3: 2.422GHz:



Channel 9: 2.452GHz:



**802.11ax(HE20) mode with MCS0 data rate**

Channel 1: 2.412GHz:



Channel 11: 2.462GHz:



**802.11ax(HE40) mode with MCS0 data rate**

Channel 3: 2.422GHz:

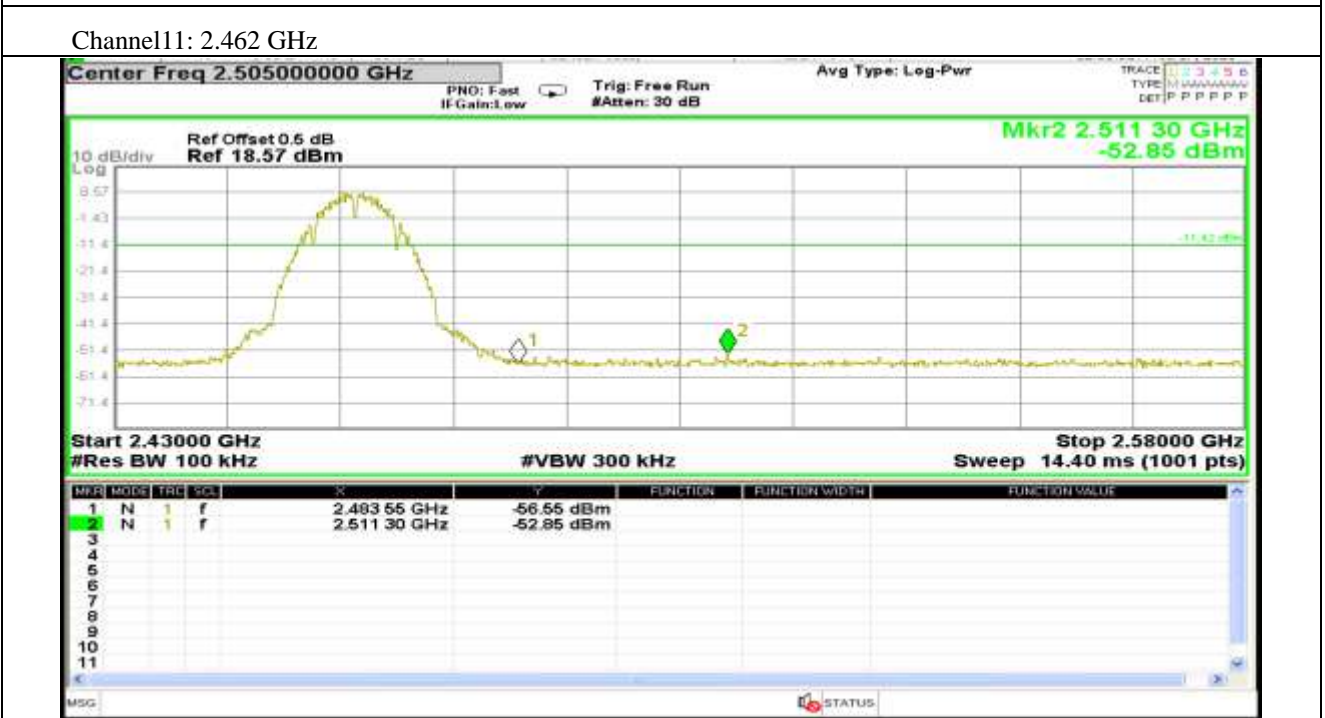
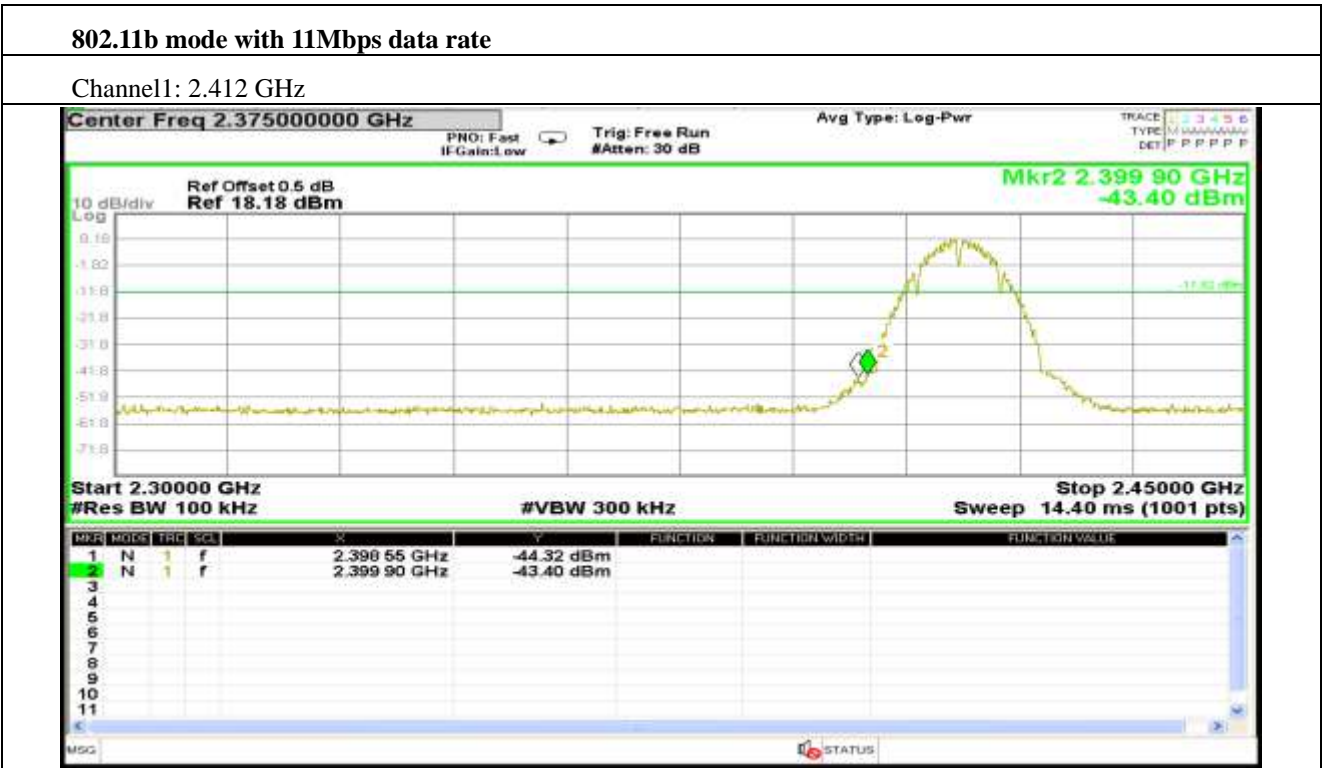


Channel 9: 2.452GHz:





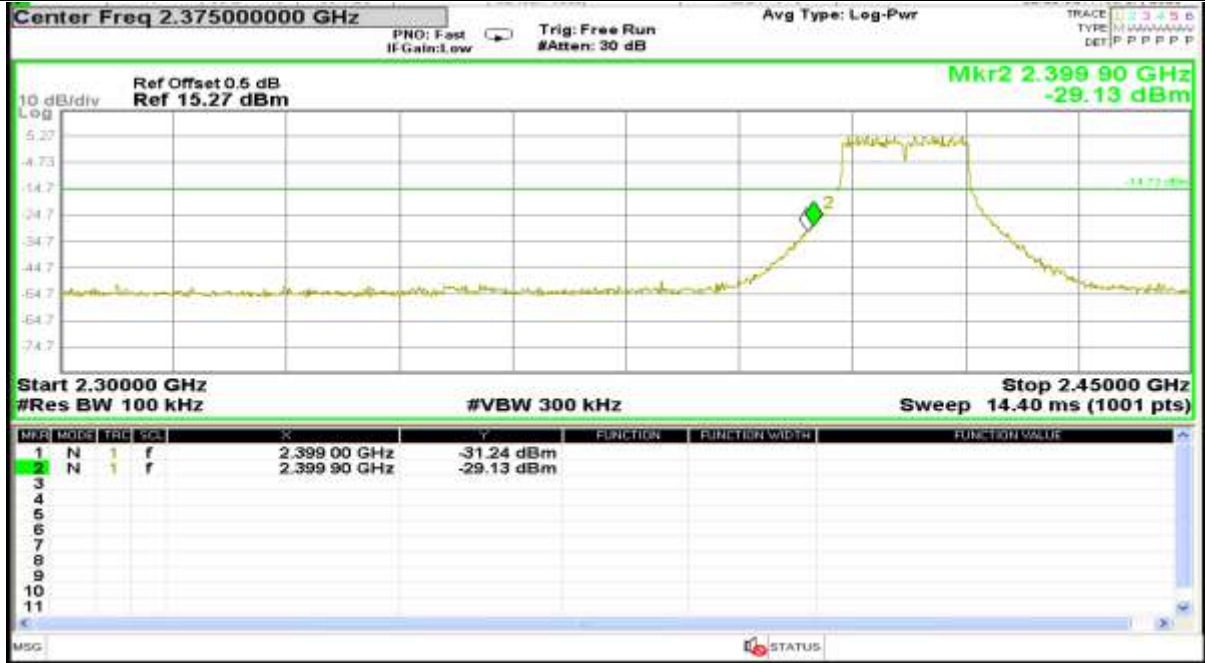
**Antenna 2:**





**802.11g mode with 54 Mbps data rate**

Channel1: 2.412 GHz



Channel11: 2.462 GHz



**802.11n(HT20) mode with 72.2Mbps data rate**

Channel1: 2.412 GHz



Channel11: 2.462 GHz



802.11n(HT40) mode with MCS0 data rate

Channel 3: 2.422GHz:



Channel 9: 2.452GHz:



802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:



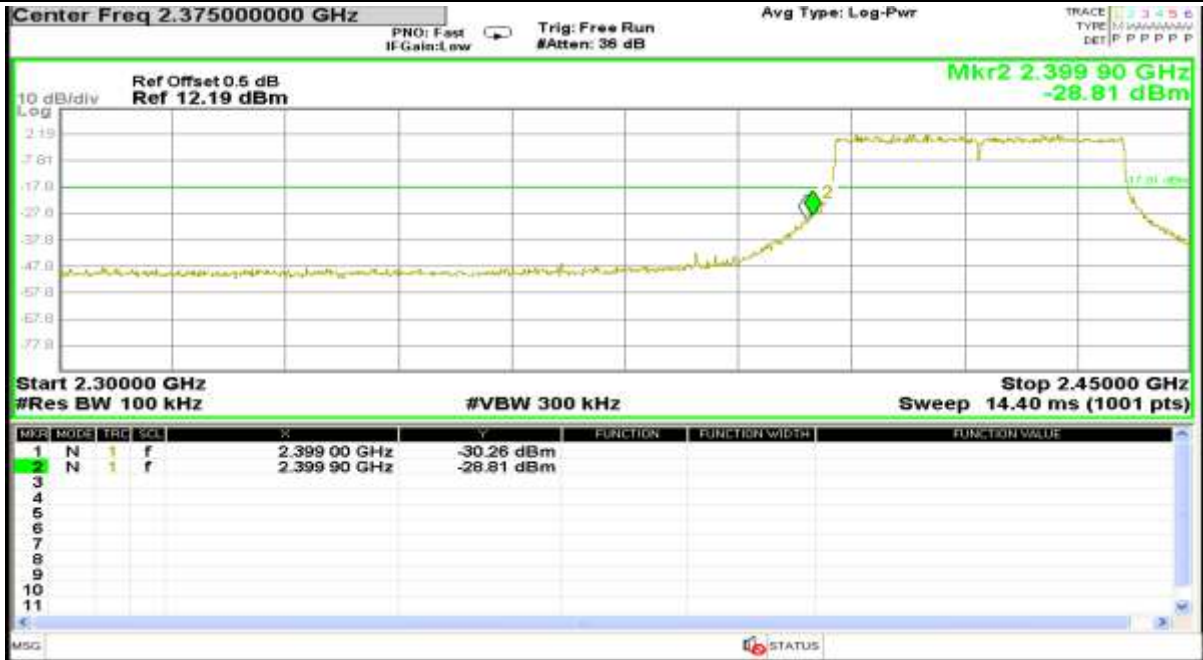
Channel 11: 2.462GHz:





802.11ax(HE40) mode with MCS0 data rate

Channel 3: 2.422GHz:



Channel 9: 2.452GHz:





**Antenna 3:**

802.11b mode with 11Mbps data rate

Channel1: 2.412 GHz



Channel 11: 2.462 GHz



802.11g mode with 54 Mbps data rate

Channel1: 2.412 GHz



Channel11: 2.462 GHz



802.11n(HT20) mode with 72.2Mbps data rate

Channel1: 2.412 GHz

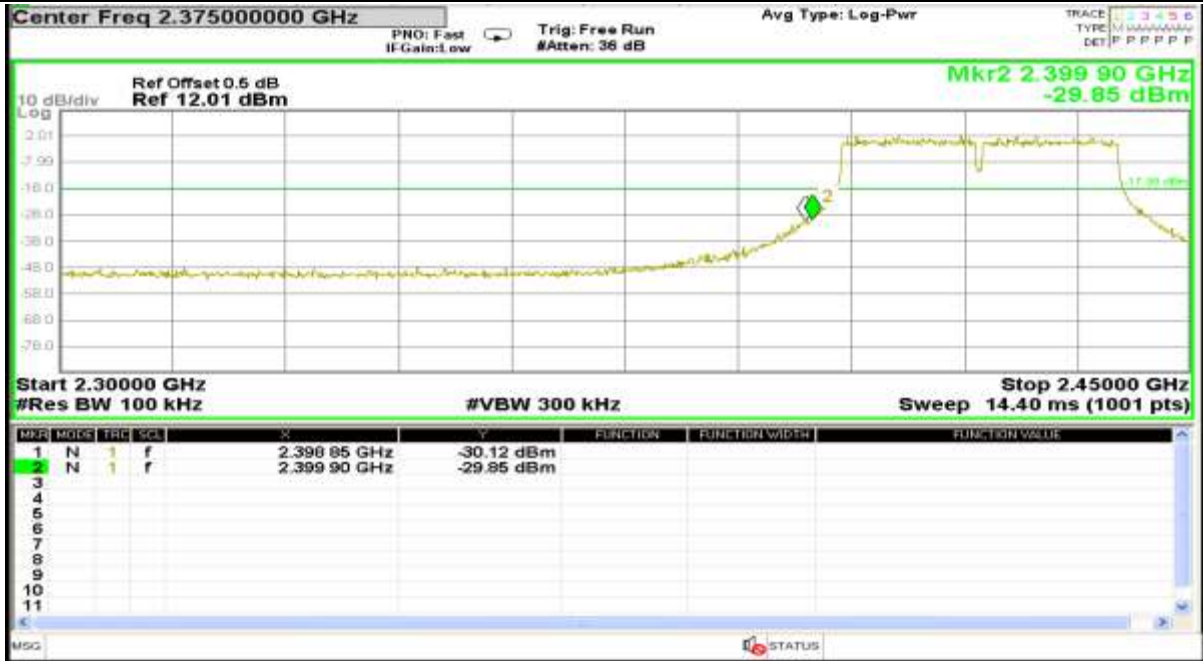


Channel11: 2.462 GHz

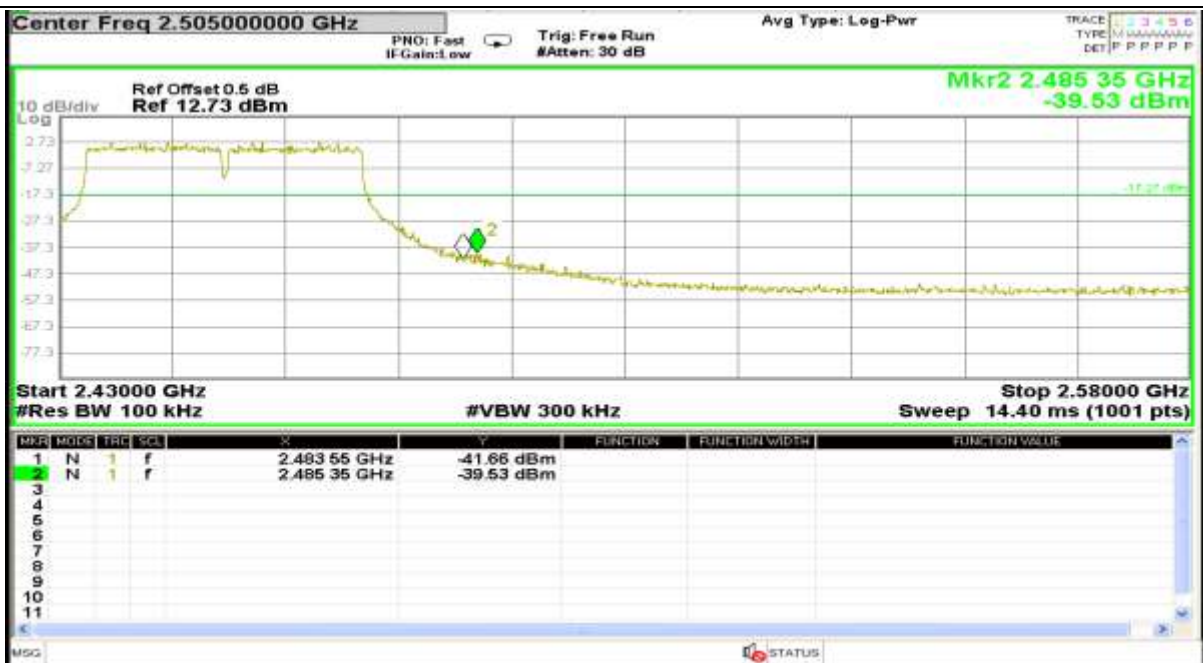


**802.11n(HT40) mode with MCS0 data rate**

Channel 3: 2.422GHz:



Channel 9: 2.452GHz:





802.11ax(HE20) mode with MCS0 data rate

Channel 1: 2.412GHz:



Channel 11: 2.462GHz:





802.11ax(HE40) mode with MCS0 data rate

Channel 3: 2.422GHz:

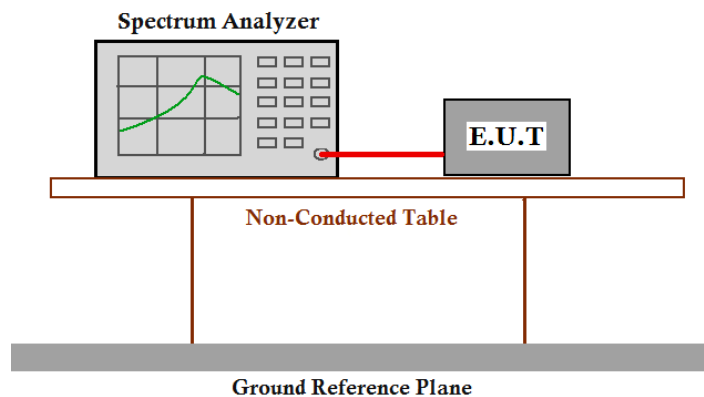


Channel 9: 2.452GHz:



## 7.9 Conducted Spurious Emissions

- Test Requirement:** FCC Part 15 C section 15.247
- (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits.
- Test Method:** ANSI C63.10: Clause 6.7
- Test Status:** Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
- Pre-Test the EUT using external Standard DC power source for powering on the board.
- Test Configuration:**



- Test Procedure:**
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
  2. Set the spectrum analyzer: RBW=100 KHz, VBW = 300KHz. Sweep = auto; Detector Function = Peak. Trace = Max Hold, Scan up through 10th harmonic.
  3. Measure the Conducted Spurious Emissions of the test frequency with special test status.
  4. Repeat until all the test status is investigated.
  5. Report the worse case.

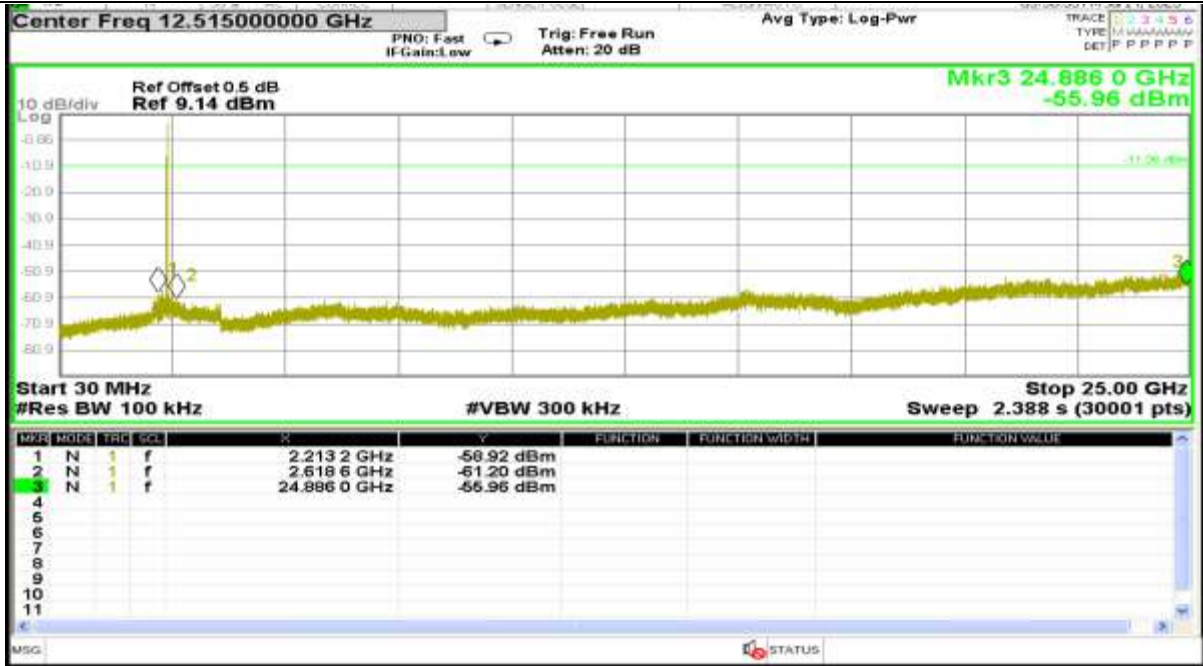
Result plot as follows:

**Antenna 0:**

802.11b mode with 11Mbps data rate

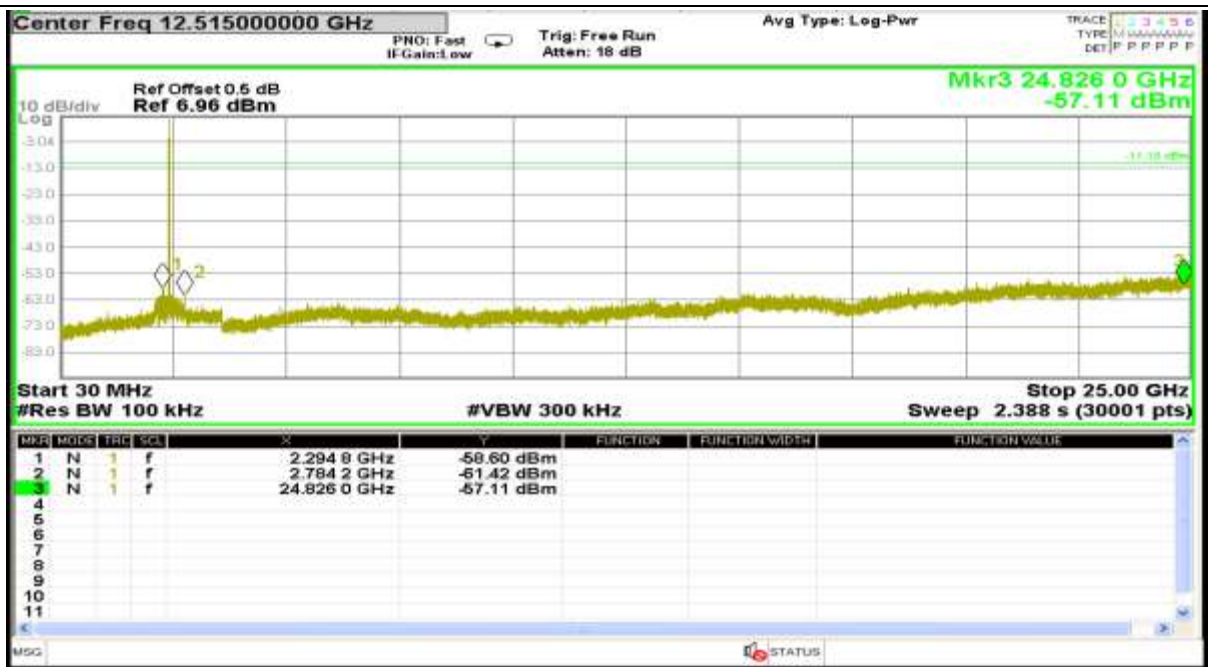
Channel 1: 2.412GHz:

30 MHz to 25 GHz



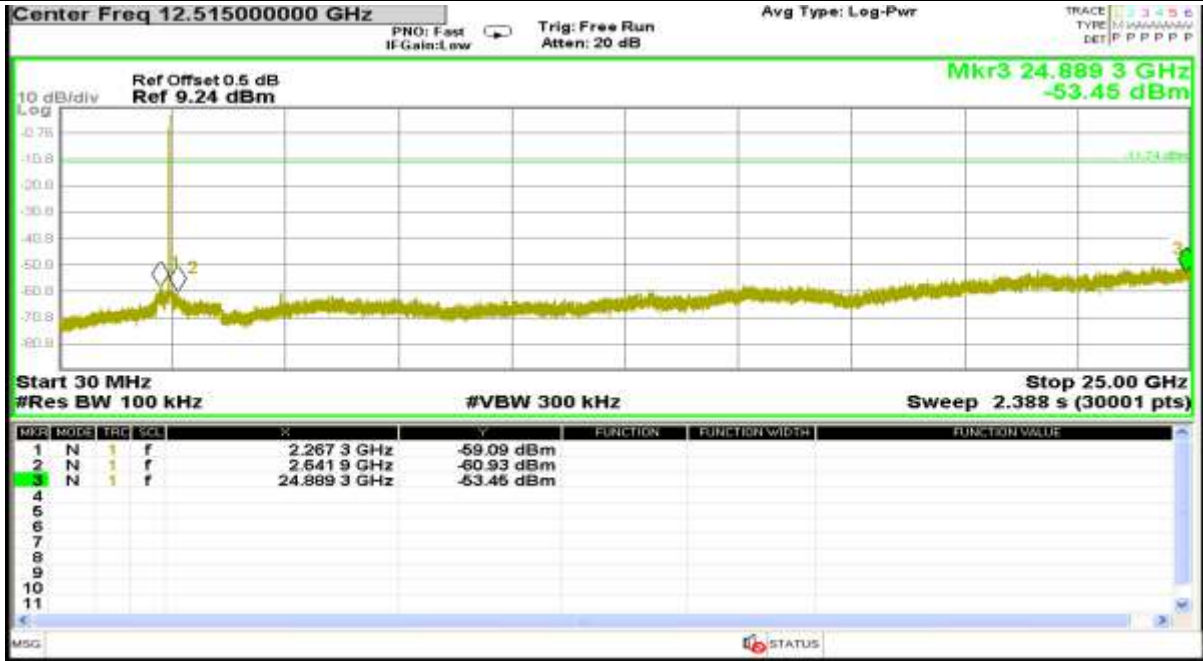
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

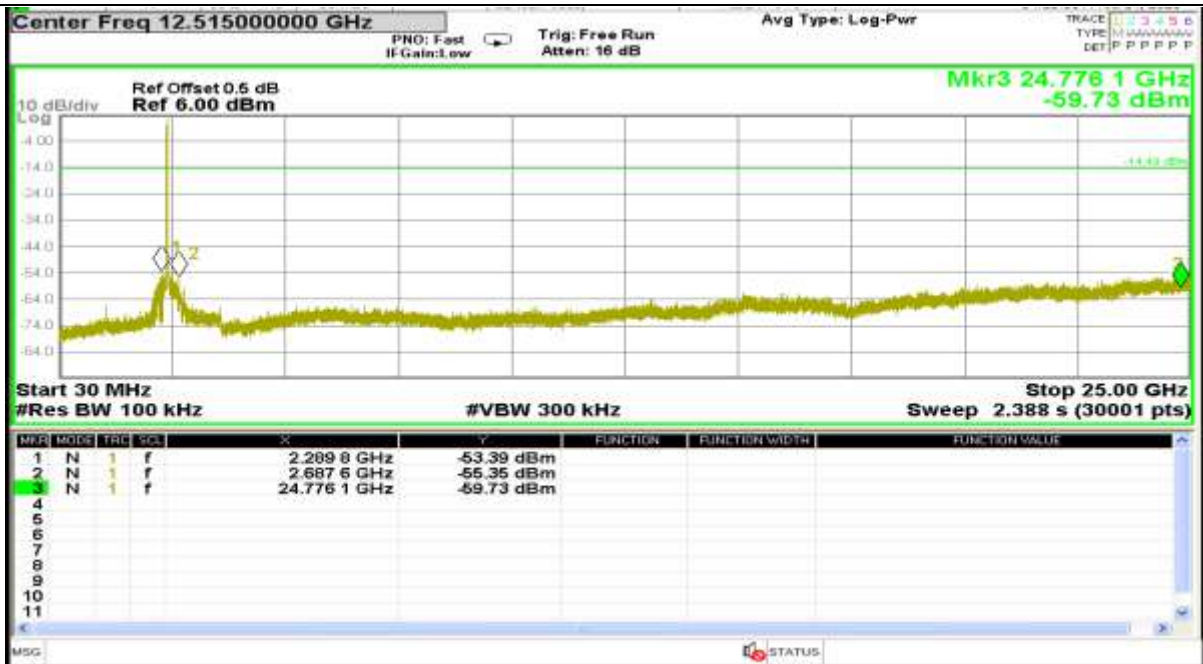
30 MHz to 25 GHz



802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:

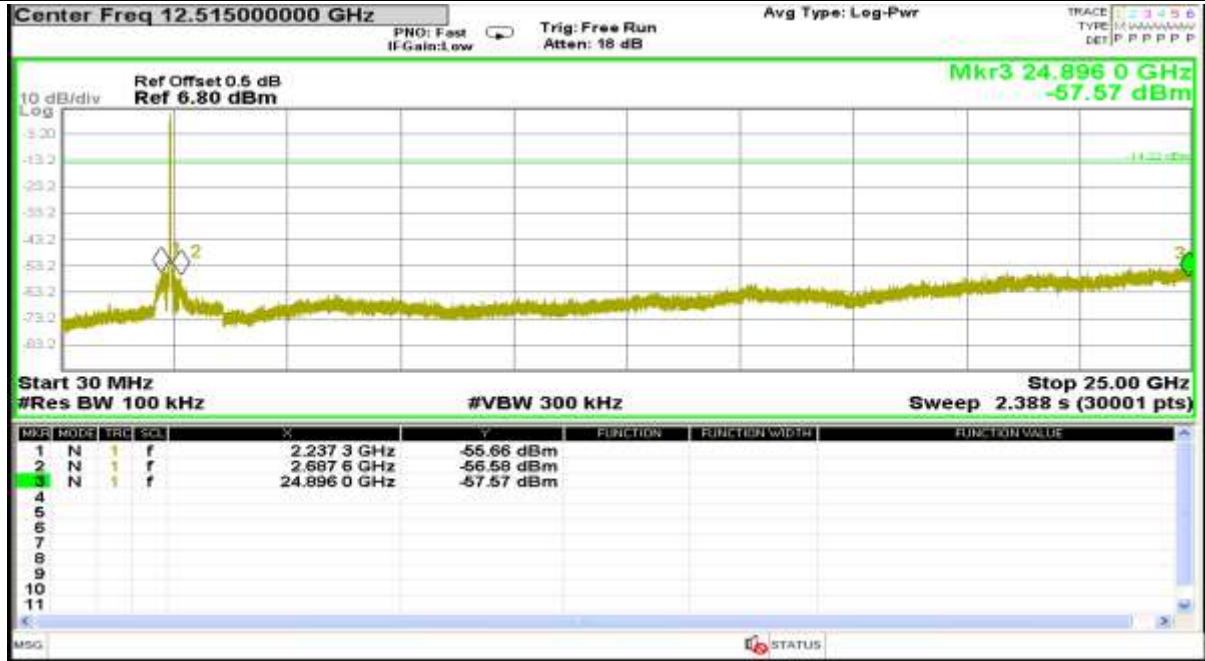
30 MHz to 25 GHz





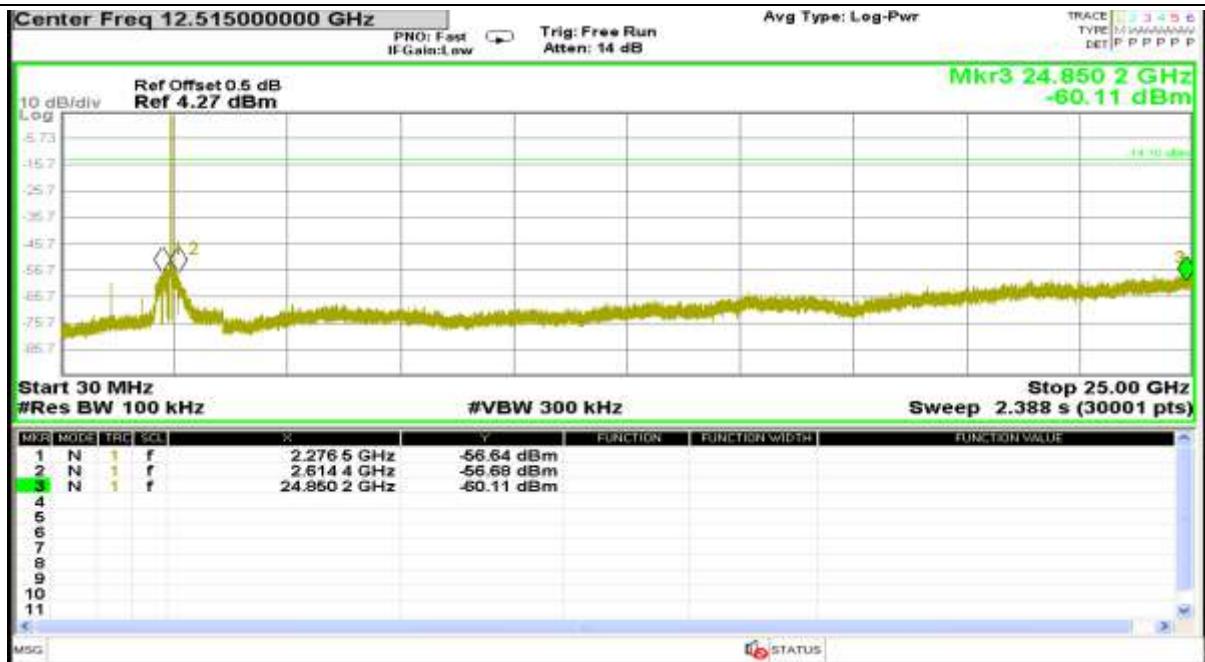
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

30 MHz to 25 GHz

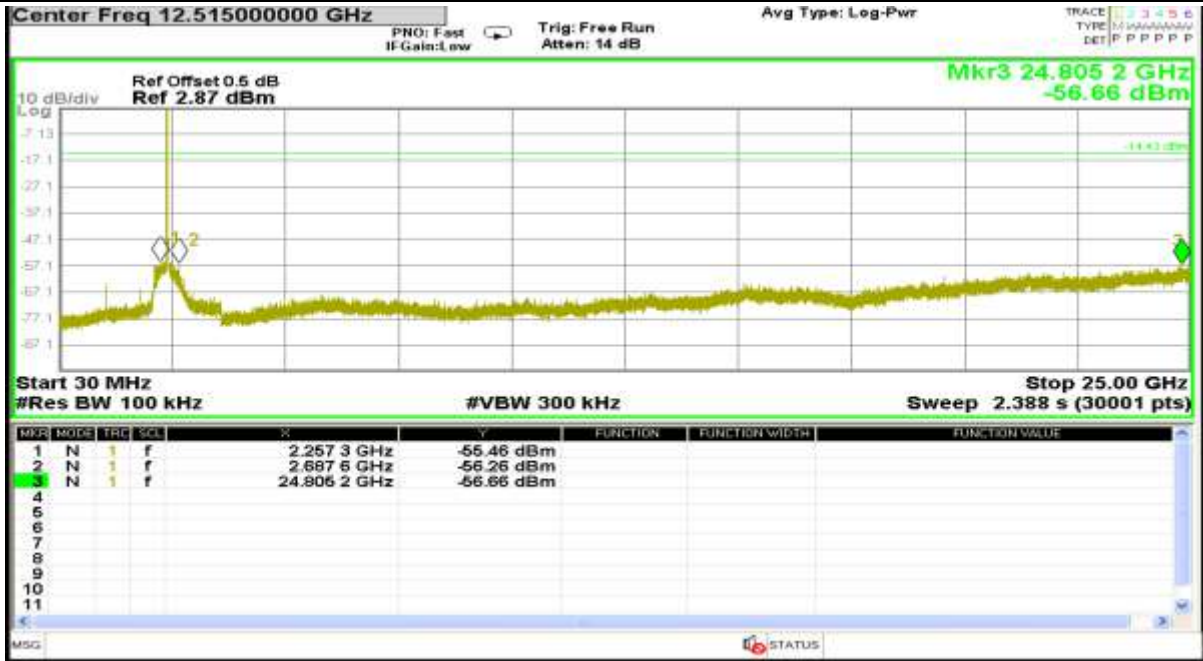




802.11n(HT20) mode with 72.2Mbps data rate

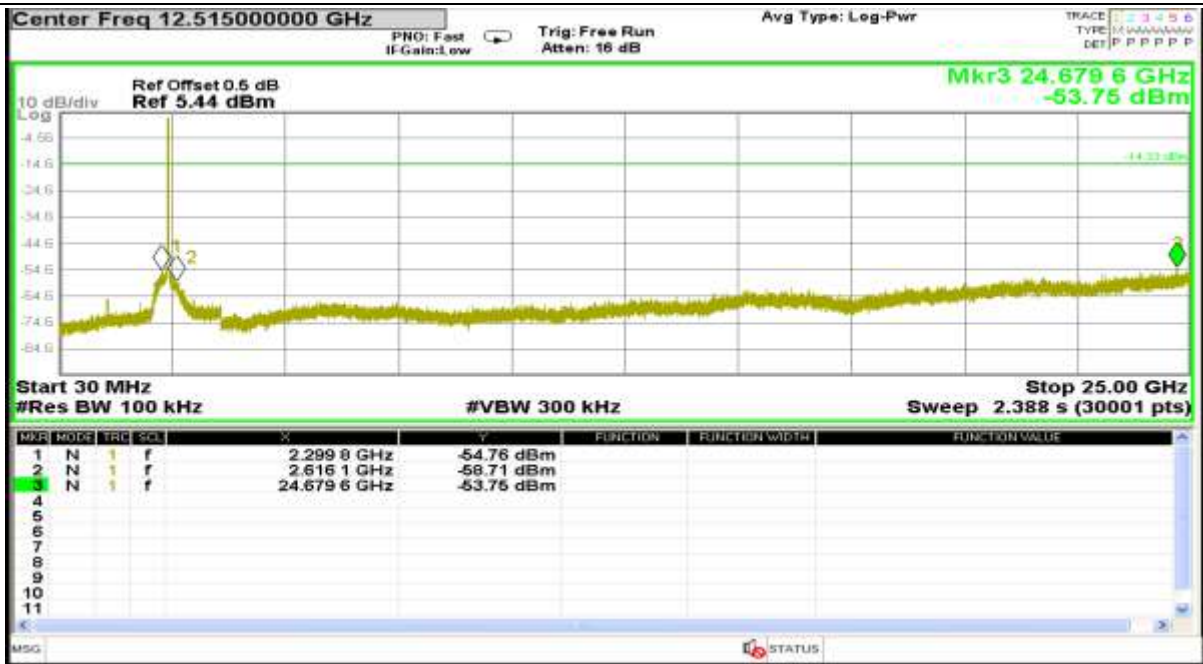
Channel 1: 2.412GHz:

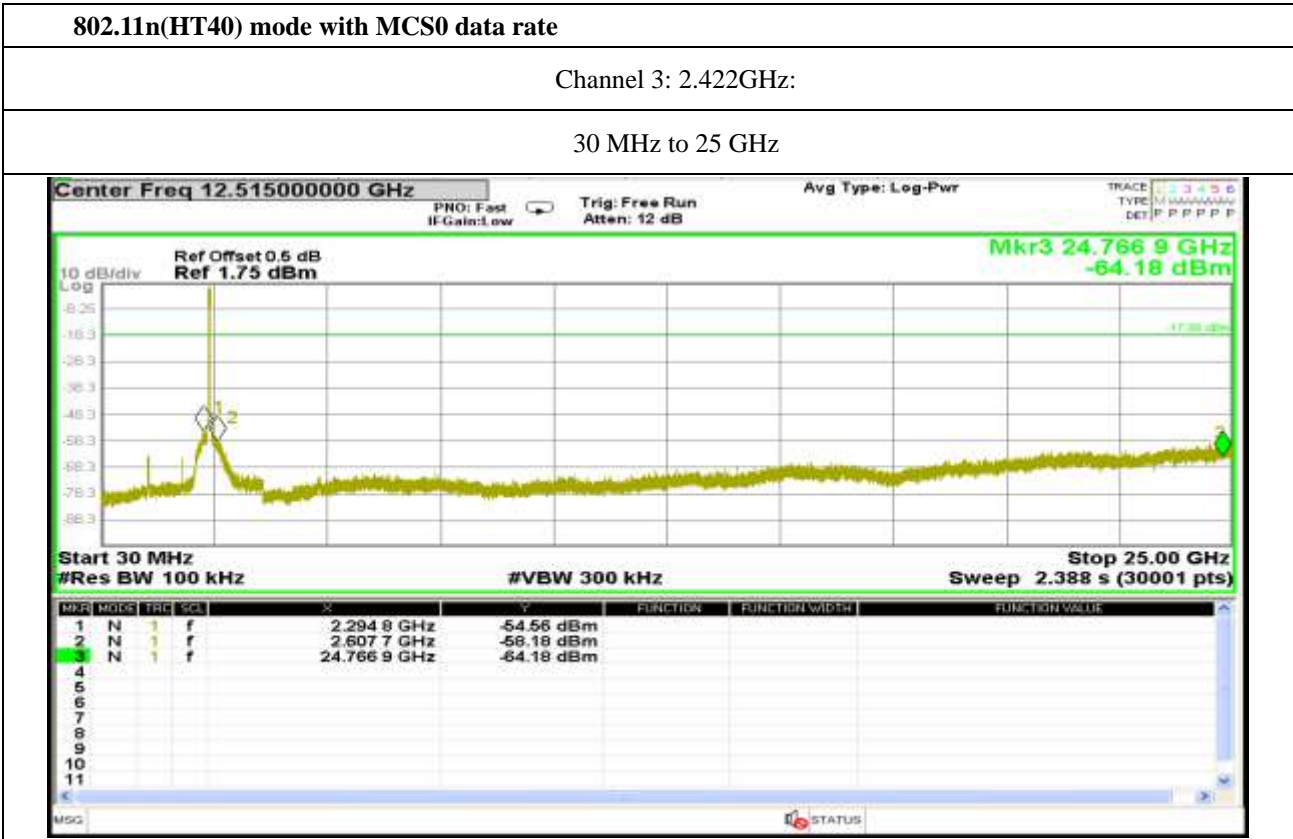
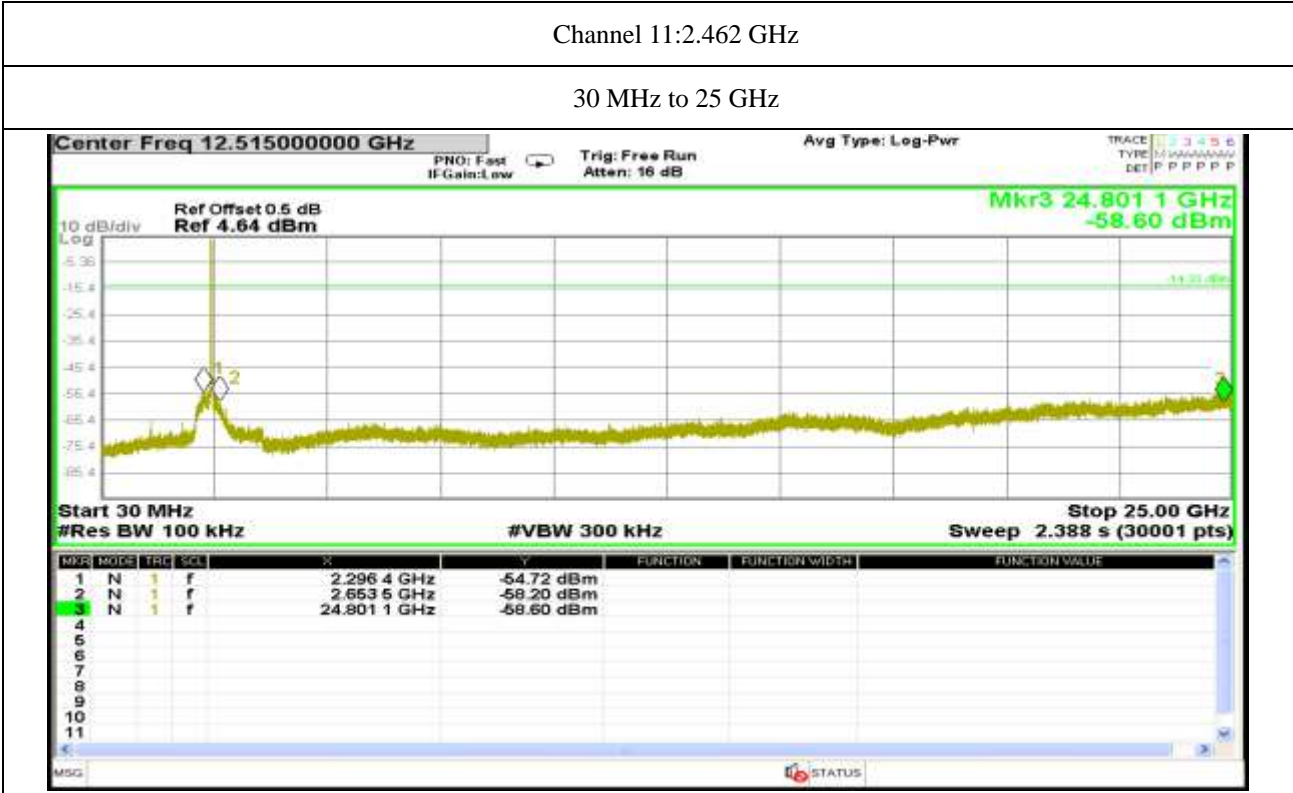
30 MHz to 25 GHz



Channel 6: 2.437GHz:

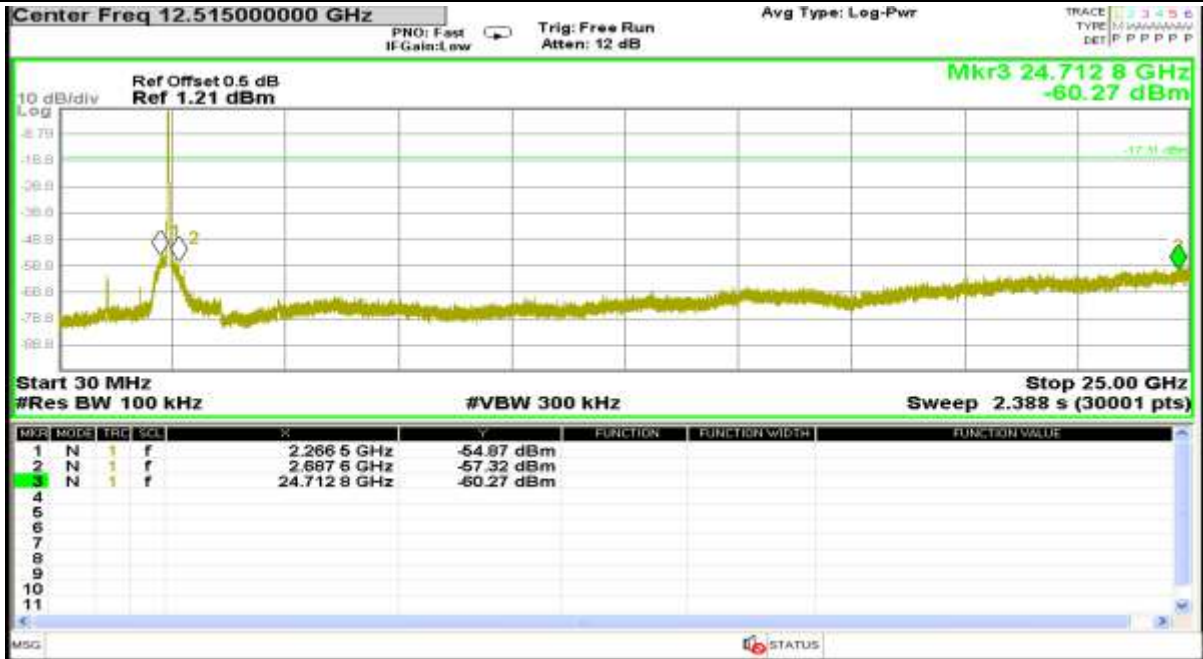
30 MHz to 25 GHz





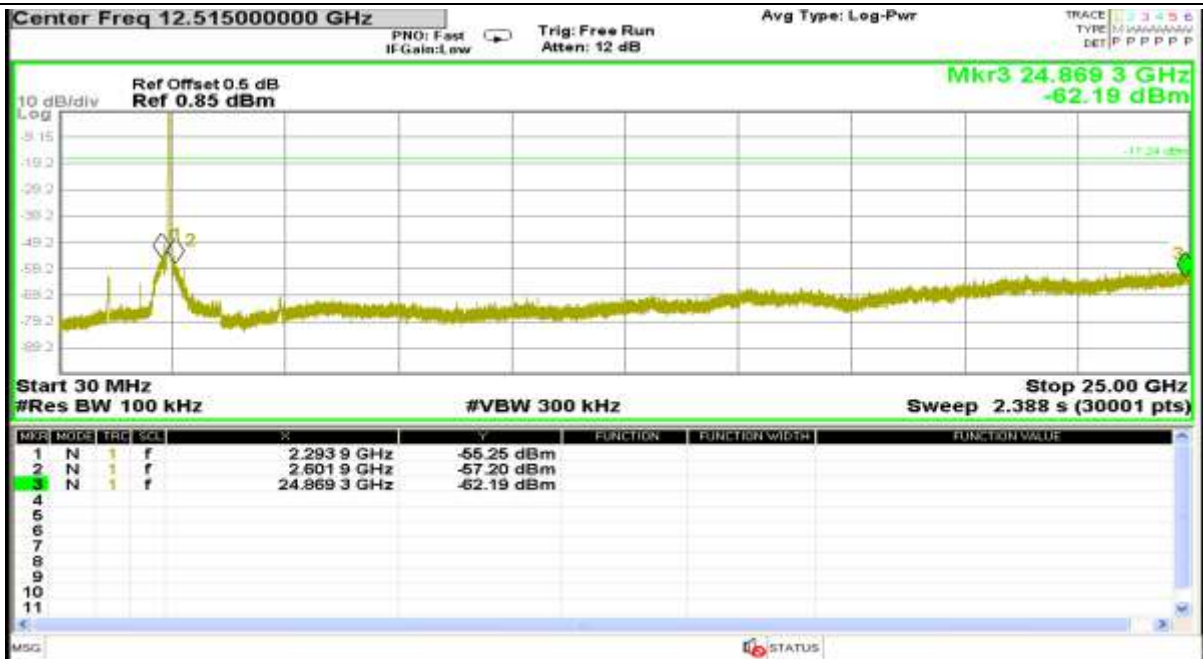
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

30 MHz to 25 GHz



**802.11ax (HE20) mode with MCS0 data rate**

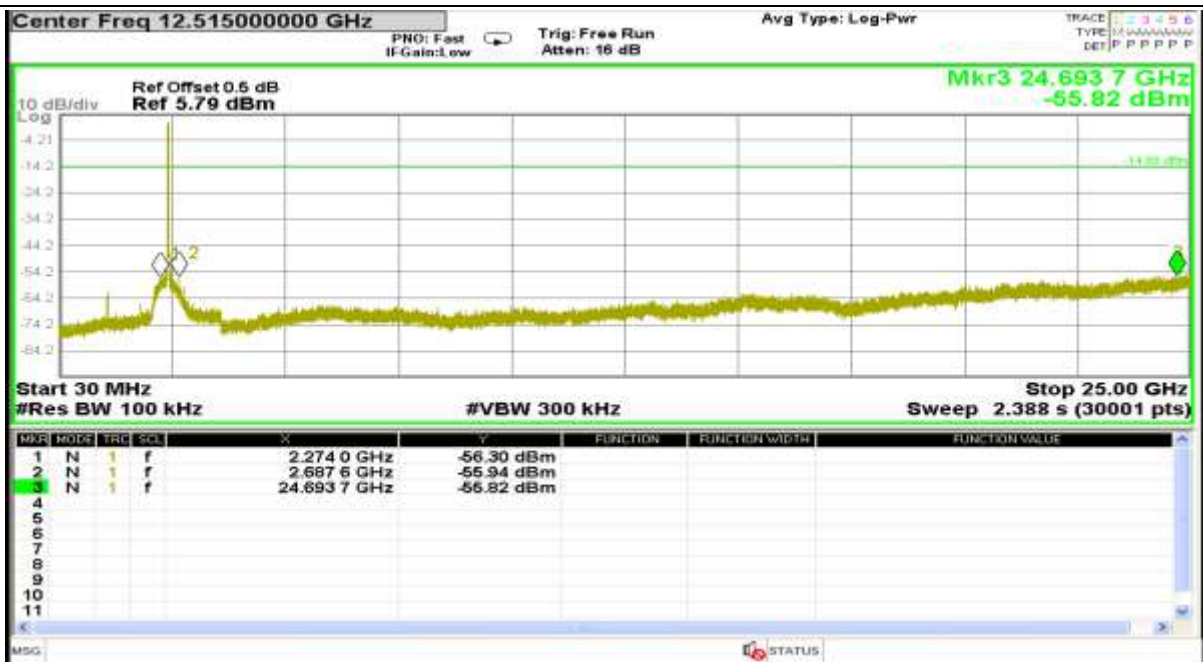
Channel 1: 2.412GHz:

30 MHz to 25 GHz



Channel 6: 2.437GHz:

30 MHz to 25 GHz

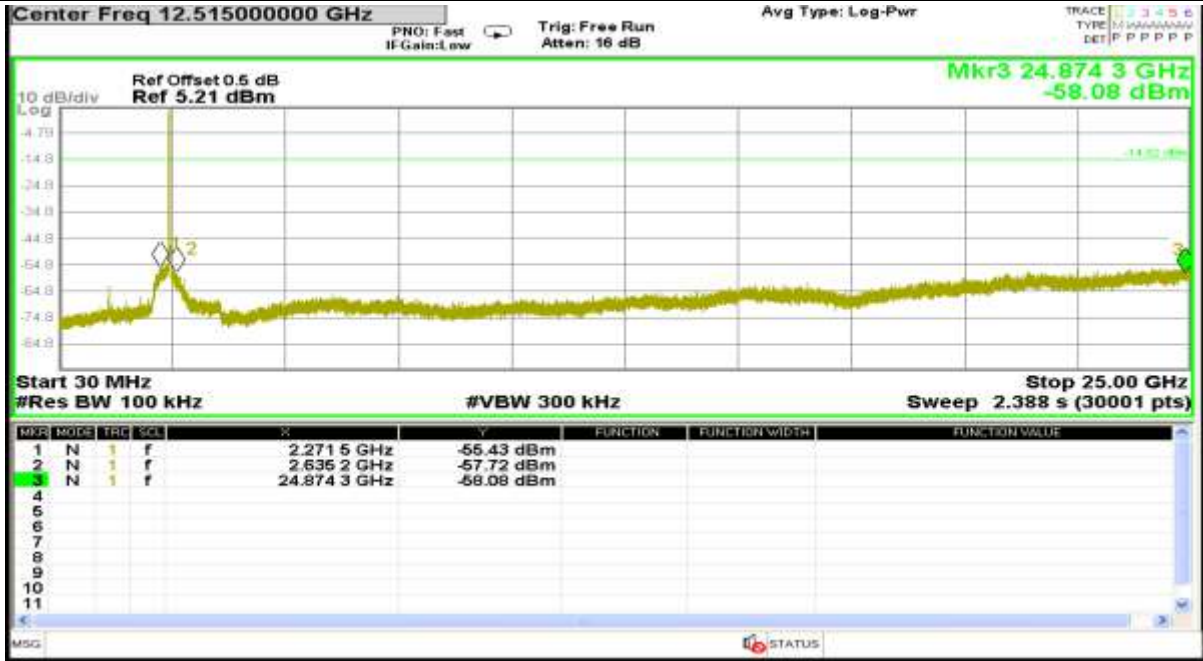




Report No.: AAEMT/RF/230704-01-02

Channel 11:2.462 GHz

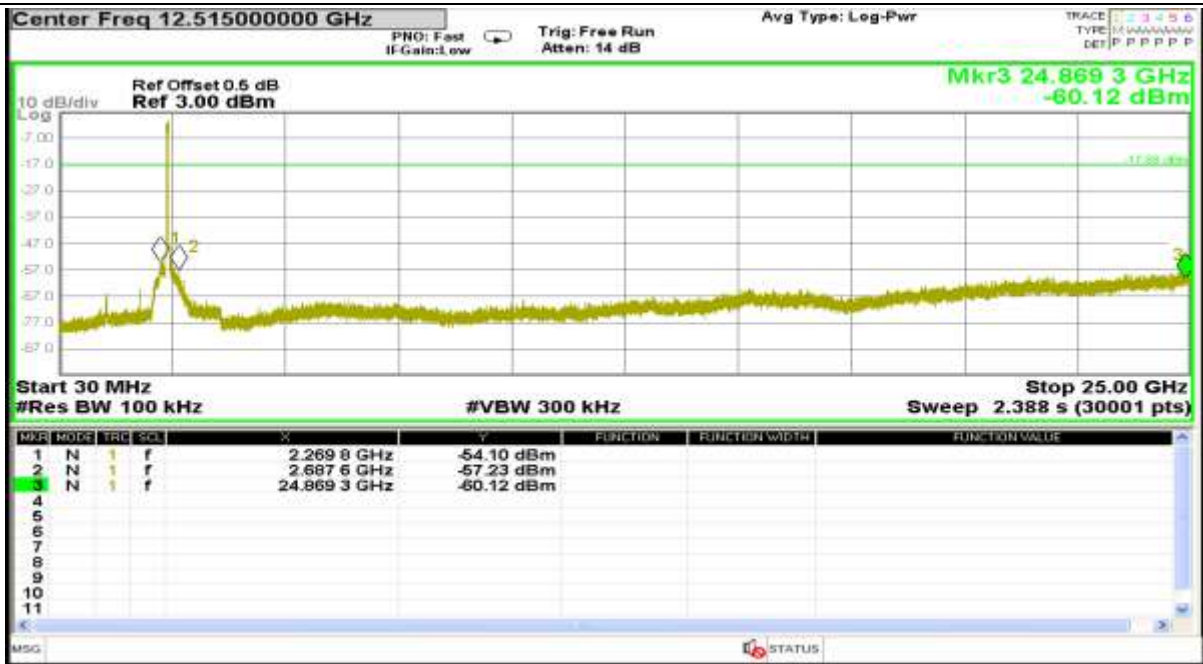
30 MHz to 25 GHz



802.11ax(HE40) mode with MCS0 data rate

Channel 3: 2.422GHz:

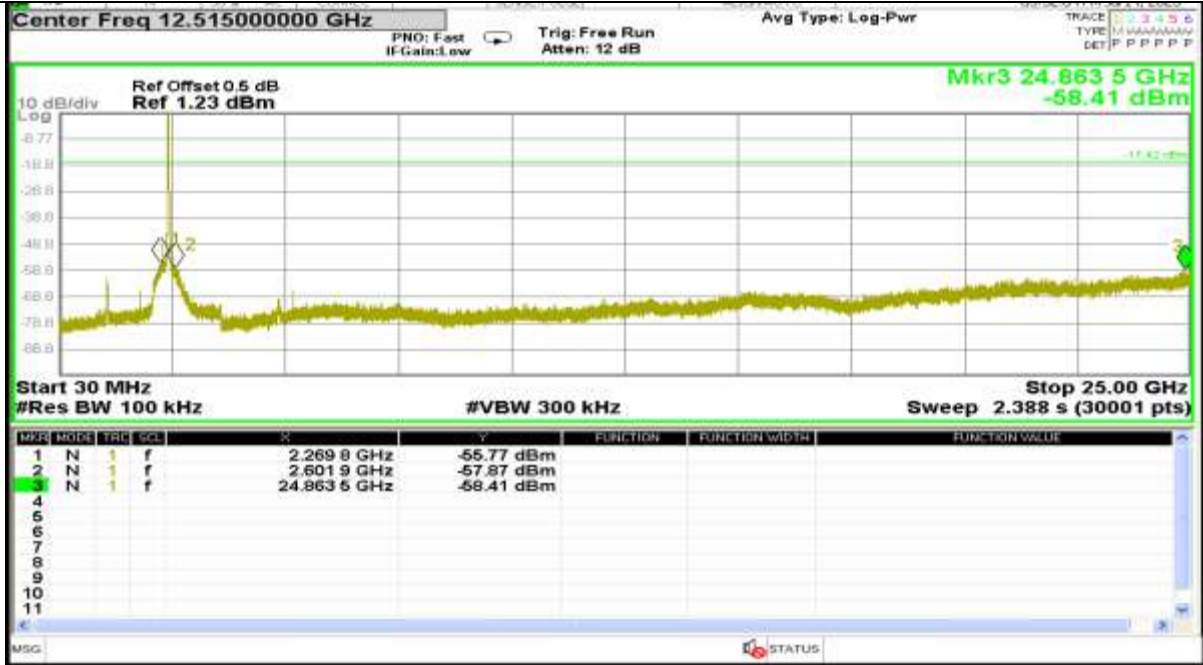
30 MHz to 25 GHz



Report No.: AAEMT/RF/230704-01-02

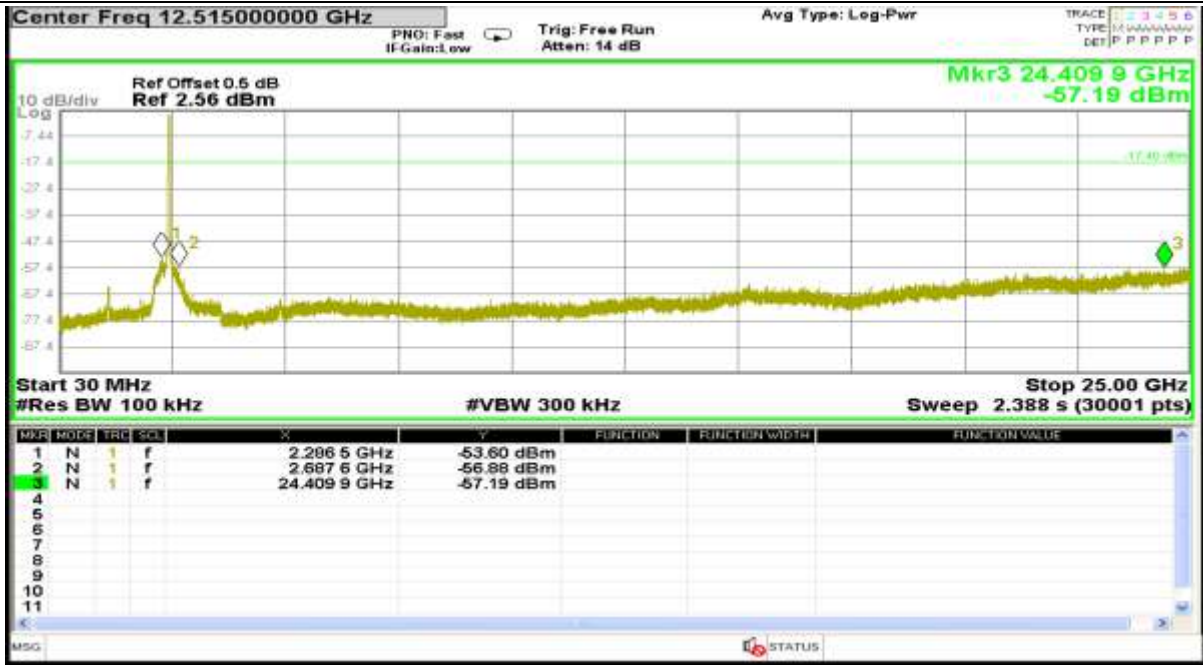
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

30 MHz to 25 GHz

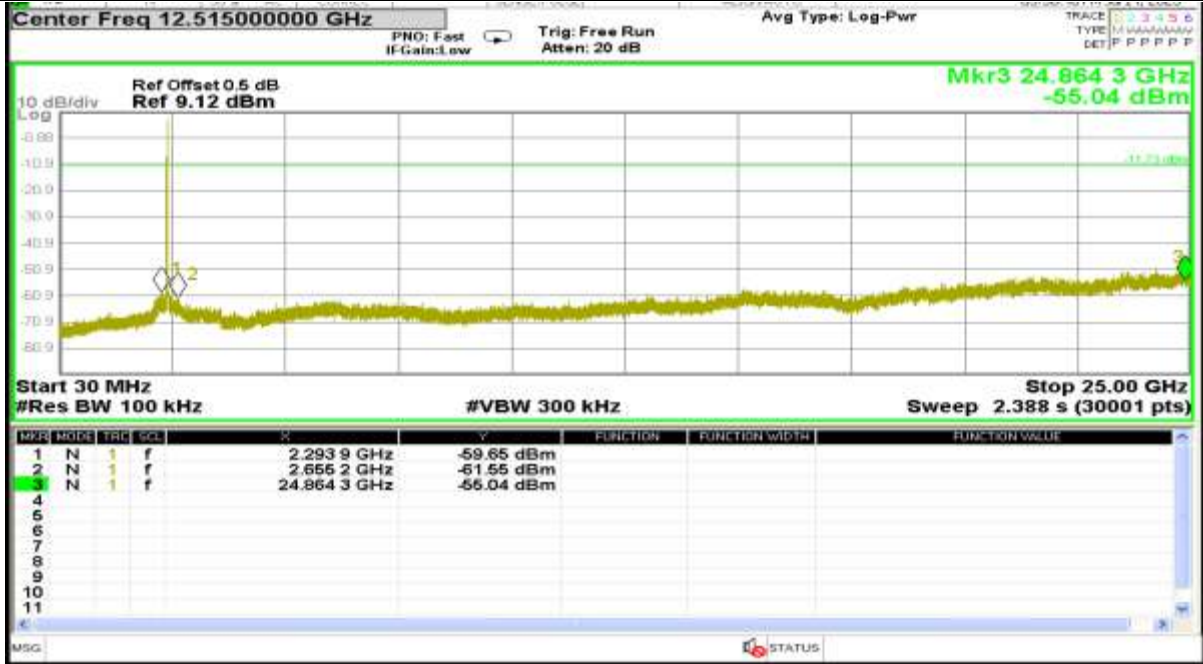


**Antenna 1:**

802.11b mode with 11Mbps data rate

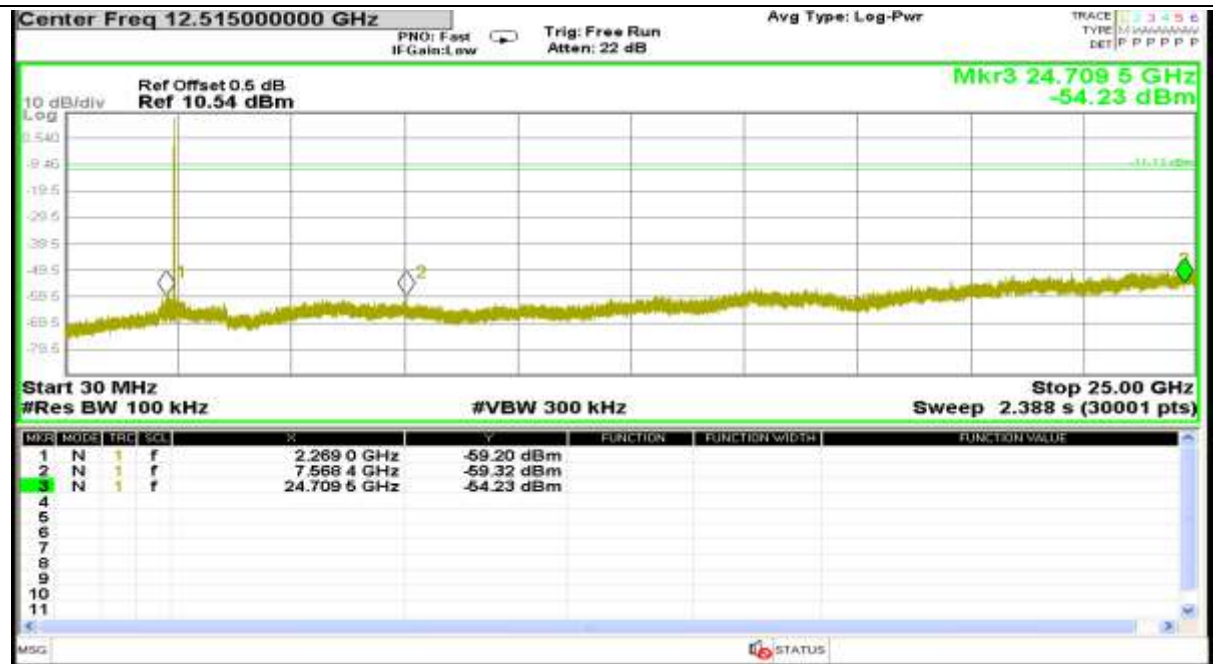
Channel 1: 2.412GHz:

30 MHz to 25 GHz



Channel 6: 2.437GHz:

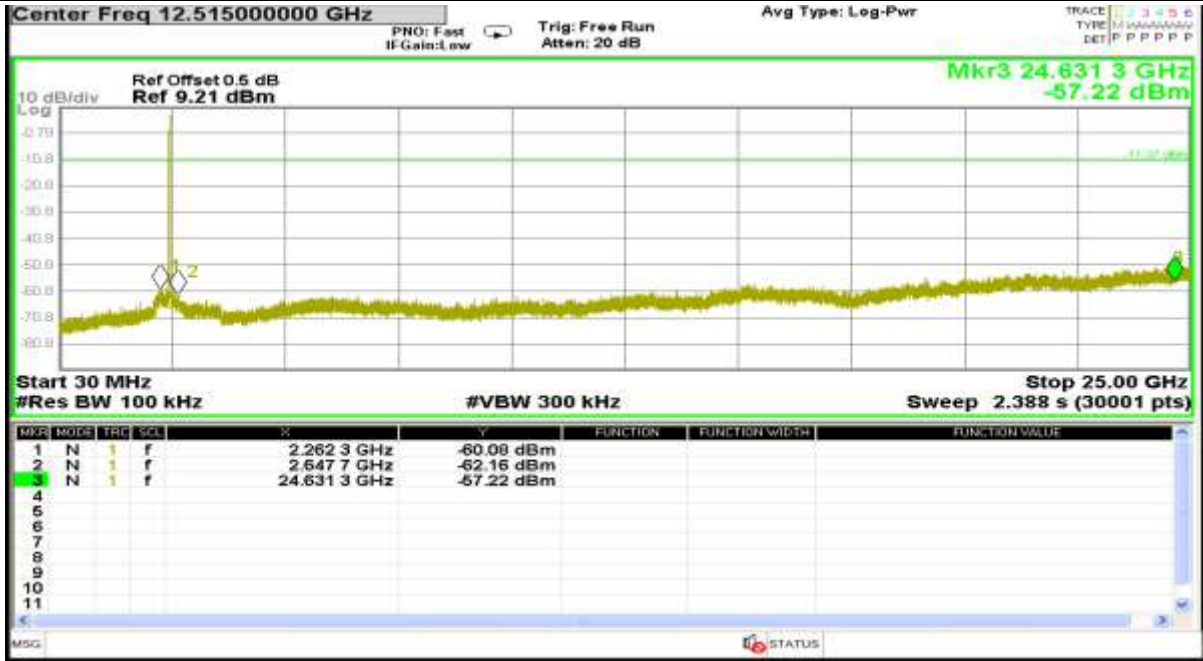
30 MHz to 25 GHz



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Channel 11:2.462 GHz

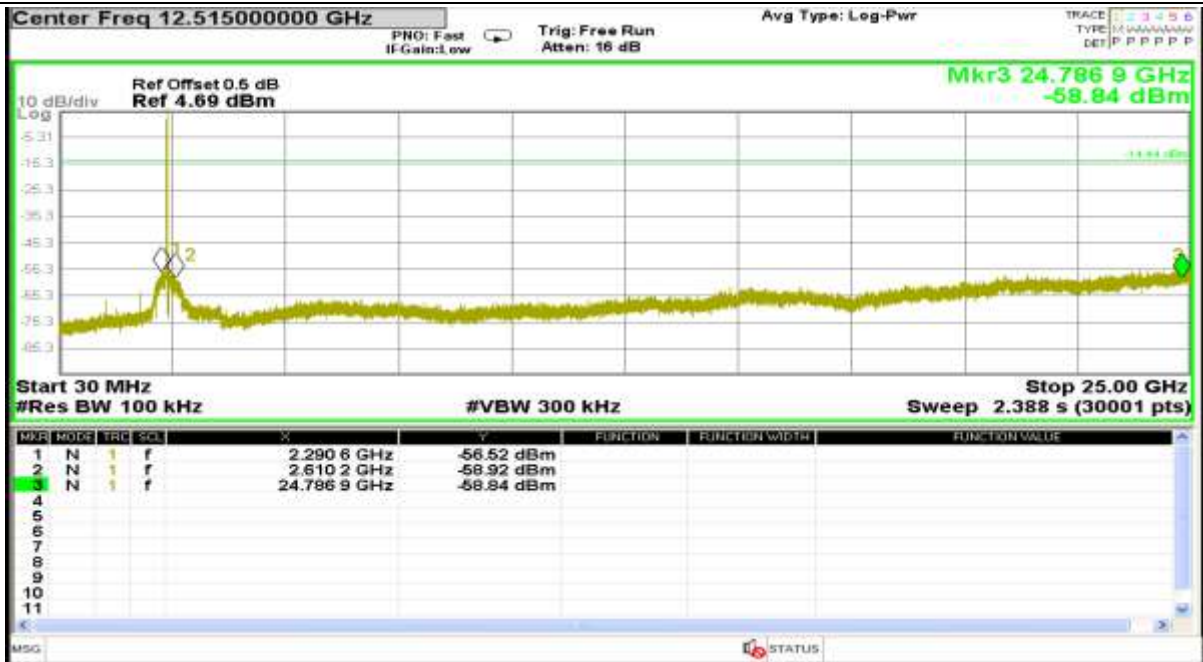
30 MHz to 25 GHz



802.11g mode with 54Mbps data rate

Channel 1: 2.412GHz:

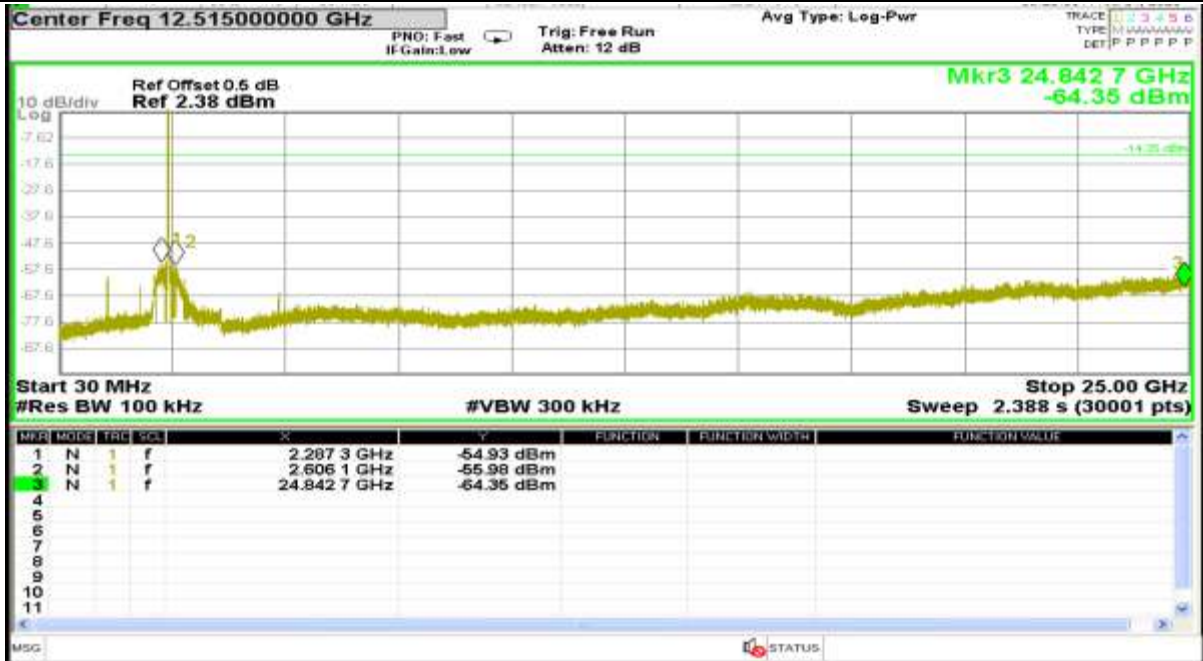
30 MHz to 25 GHz





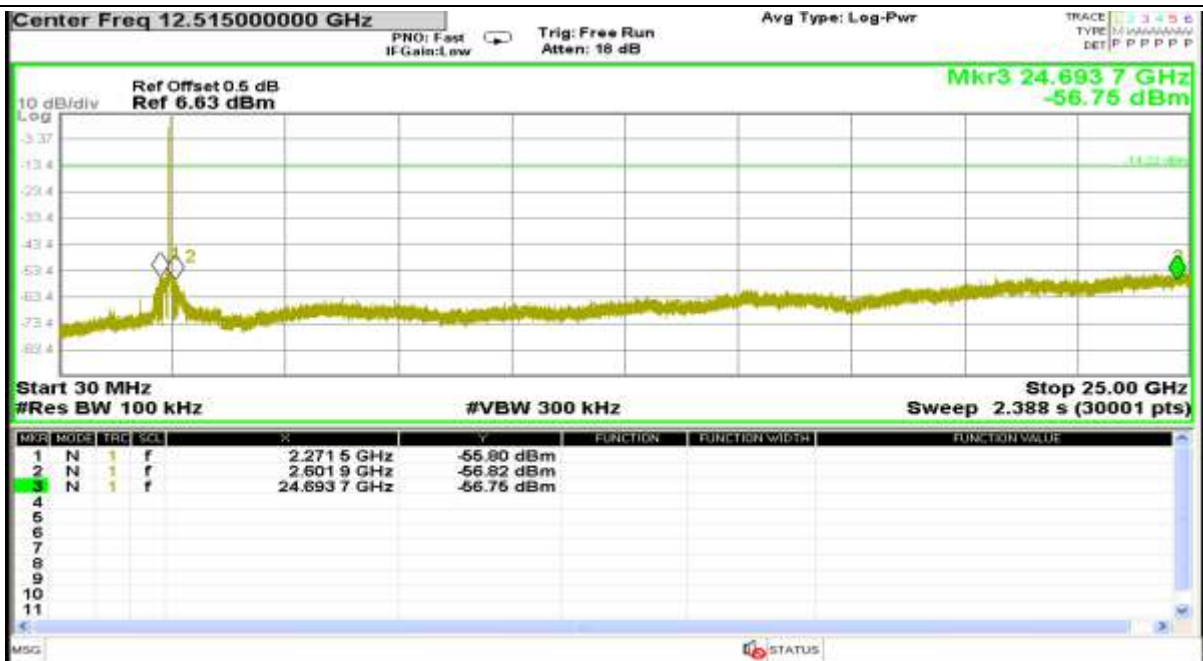
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

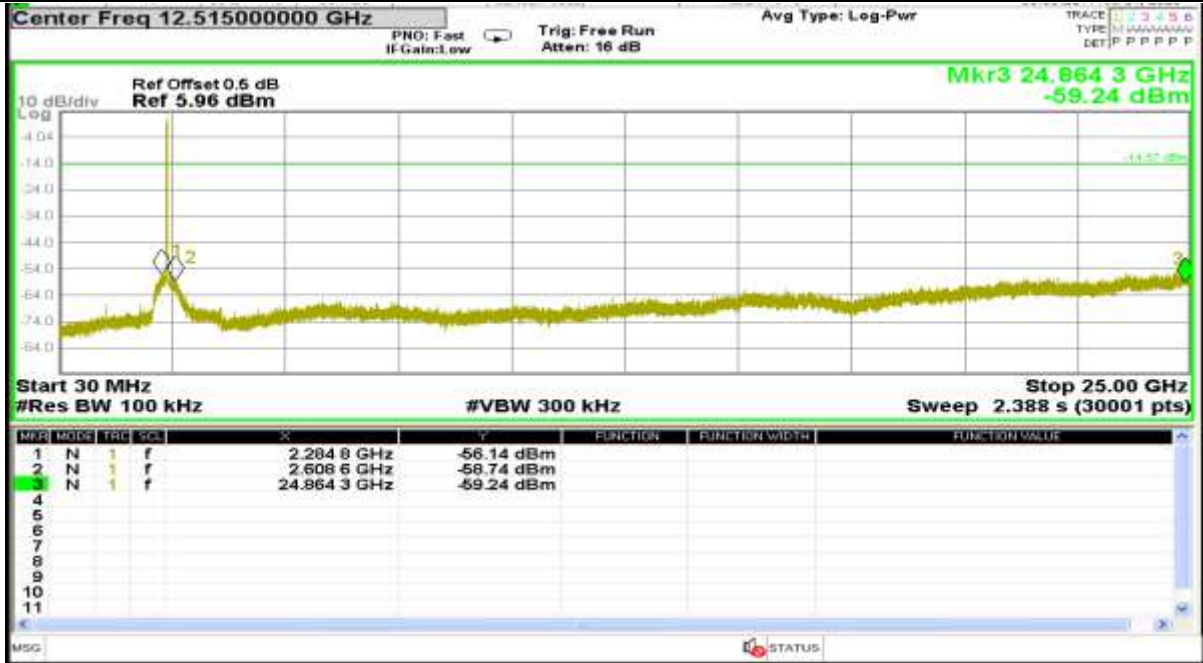
30 MHz to 25 GHz



802.11n(HT20) mode with 72.2Mbps data rate

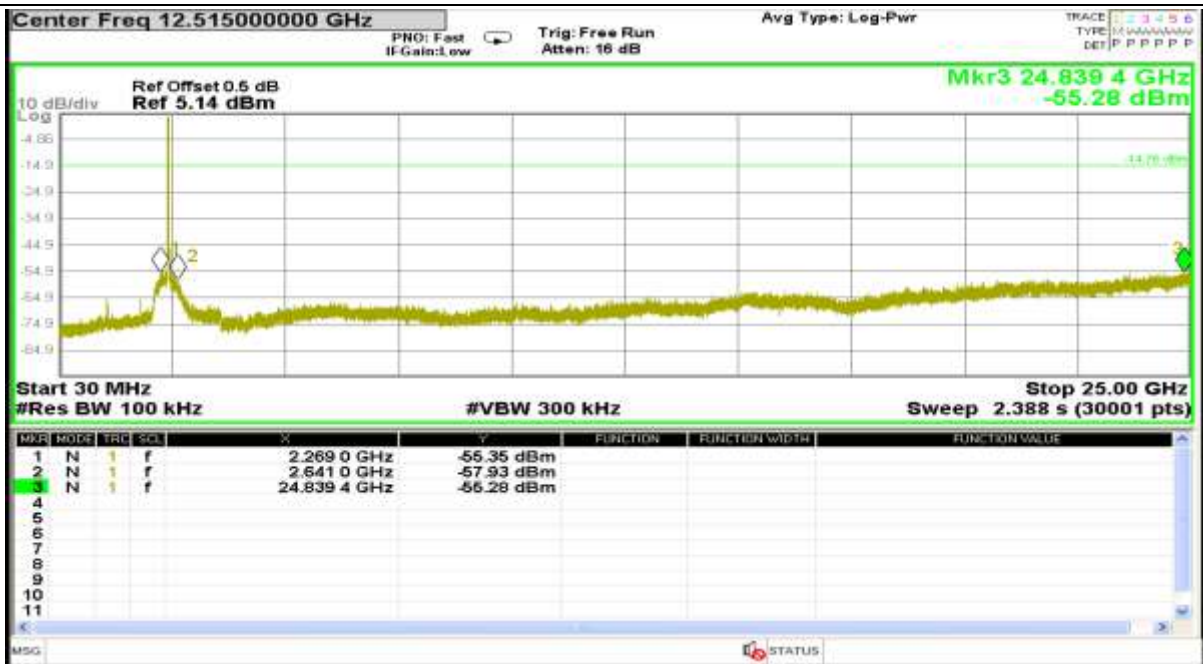
Channel 1: 2.412GHz:

30 MHz to 25 GHz



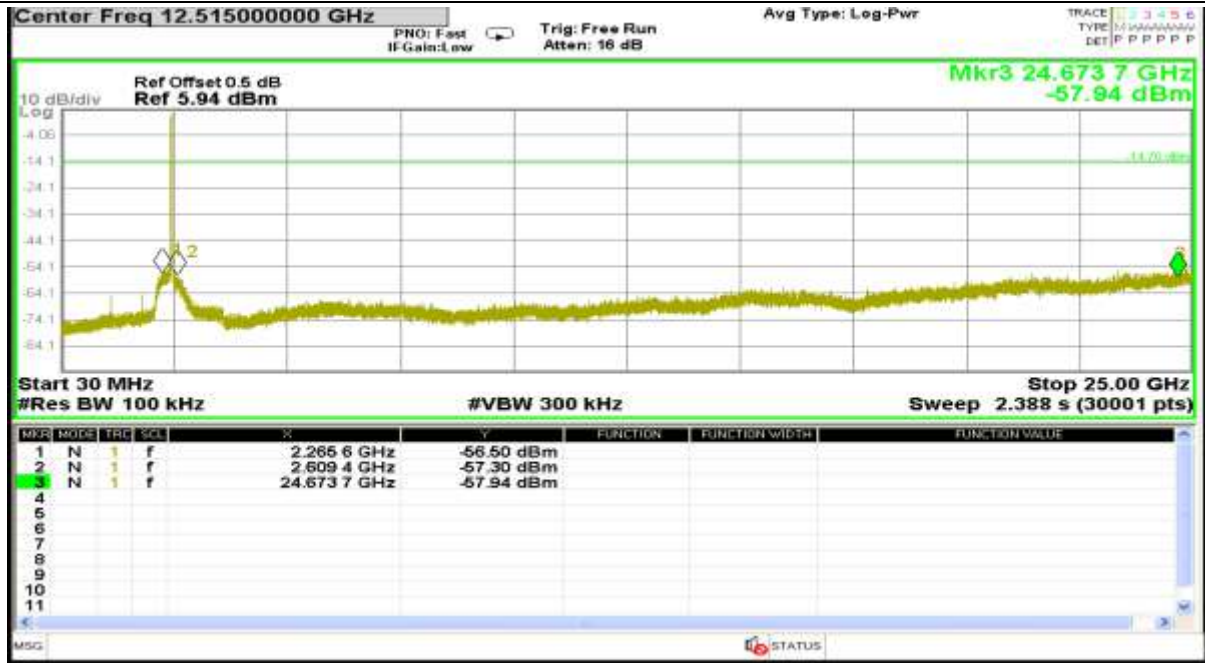
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

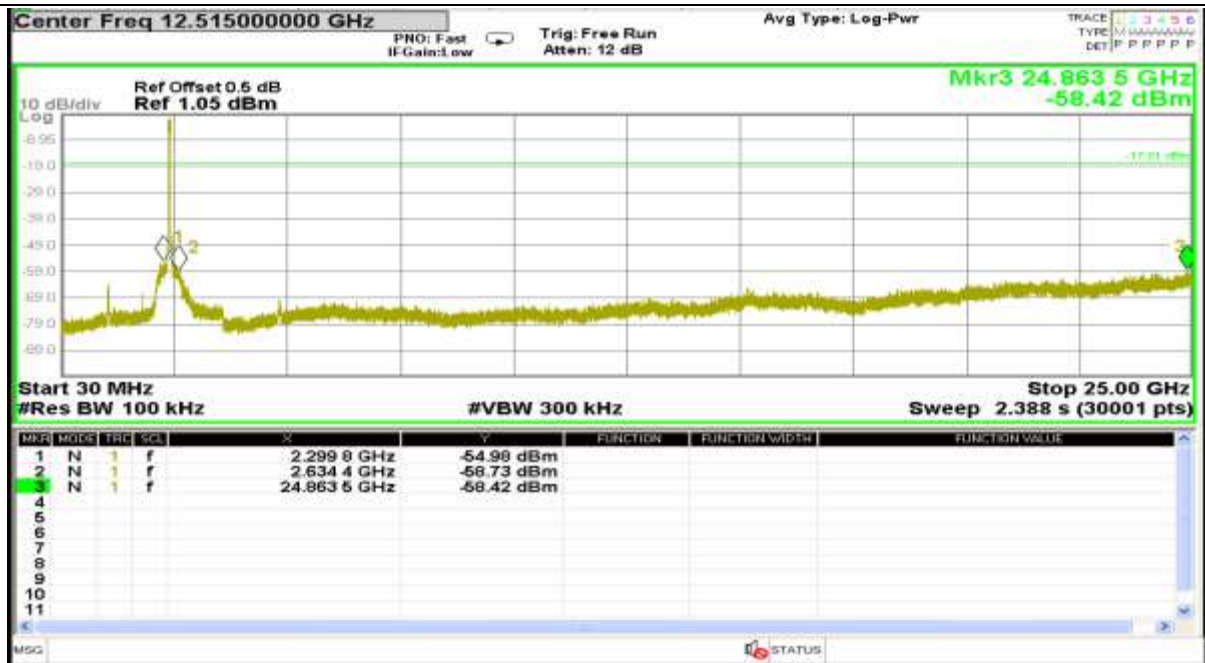
30 MHz to 25 GHz



802.11n(HT40) mode with MCS0 data rate

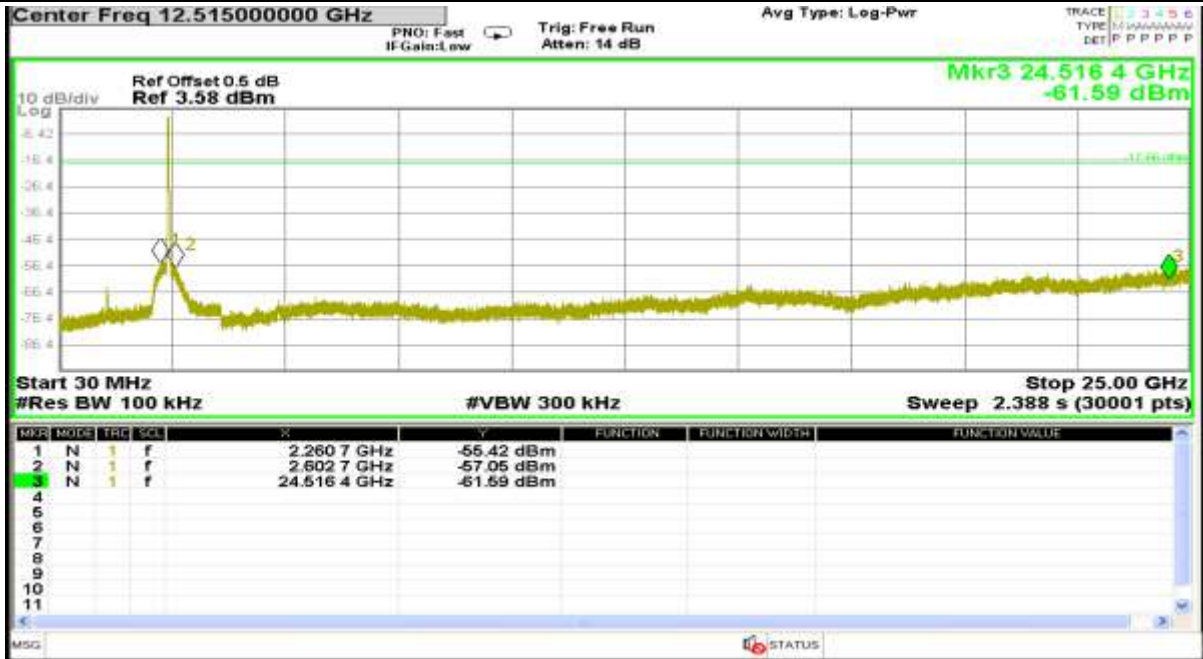
Channel 3: 2.422GHz:

30 MHz to 25 GHz



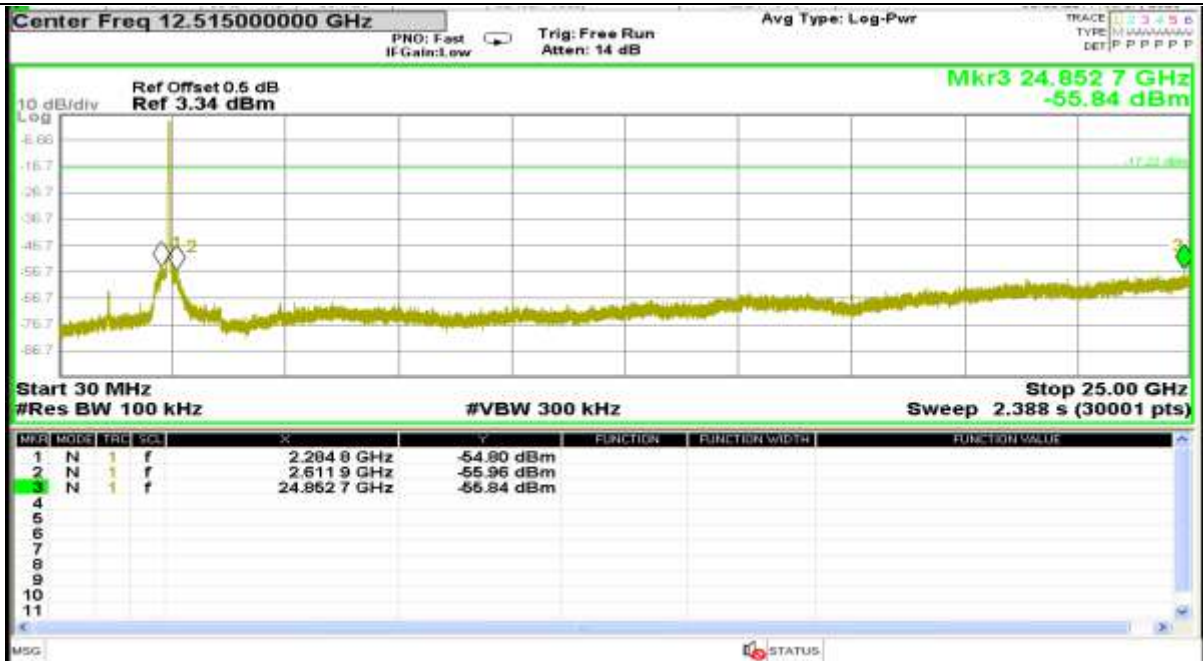
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

30 MHz to 25 GHz

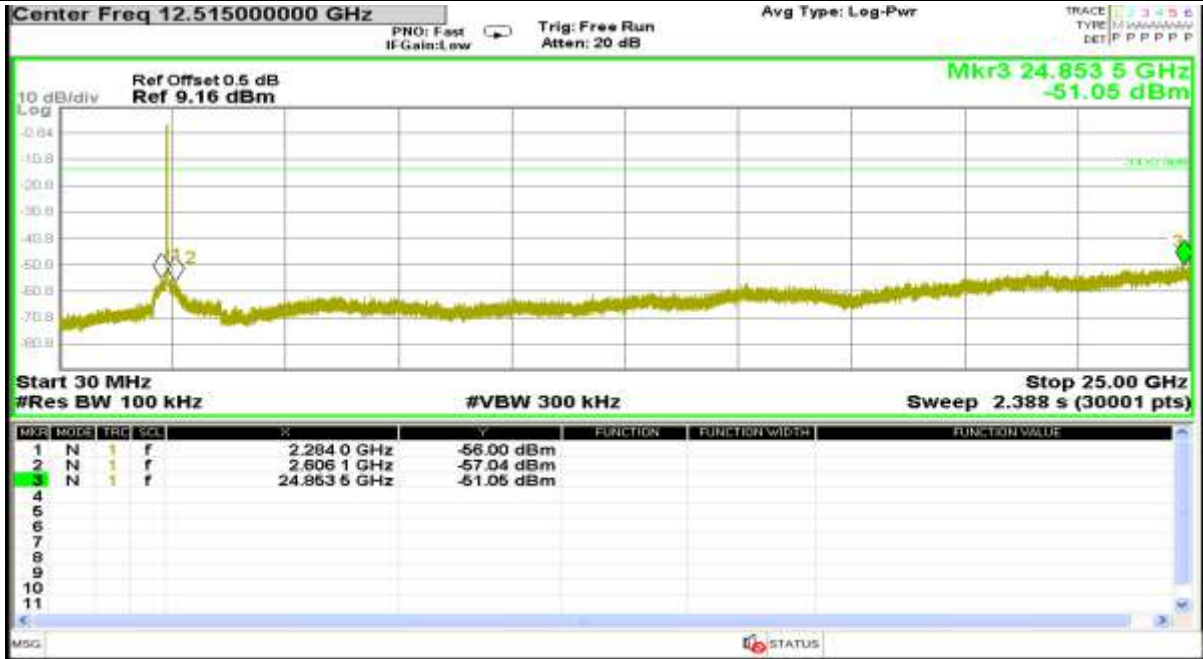




802.11ax (HE20) mode with MCS0 data rate

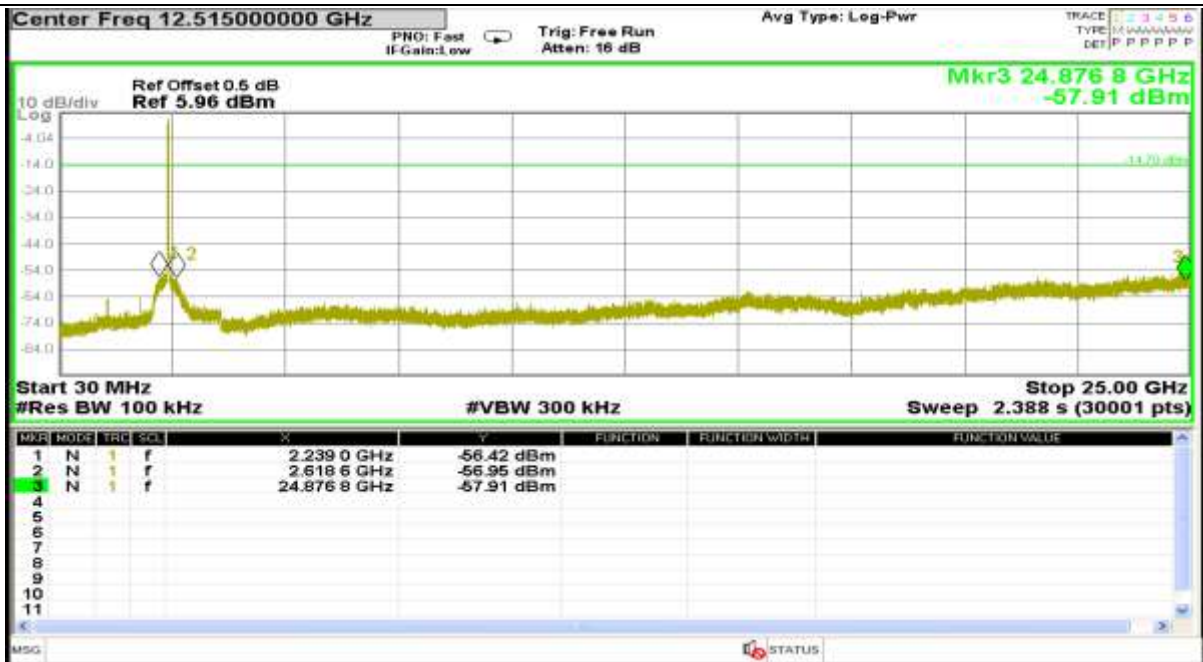
Channel 1: 2.412GHz:

30 MHz to 25 GHz



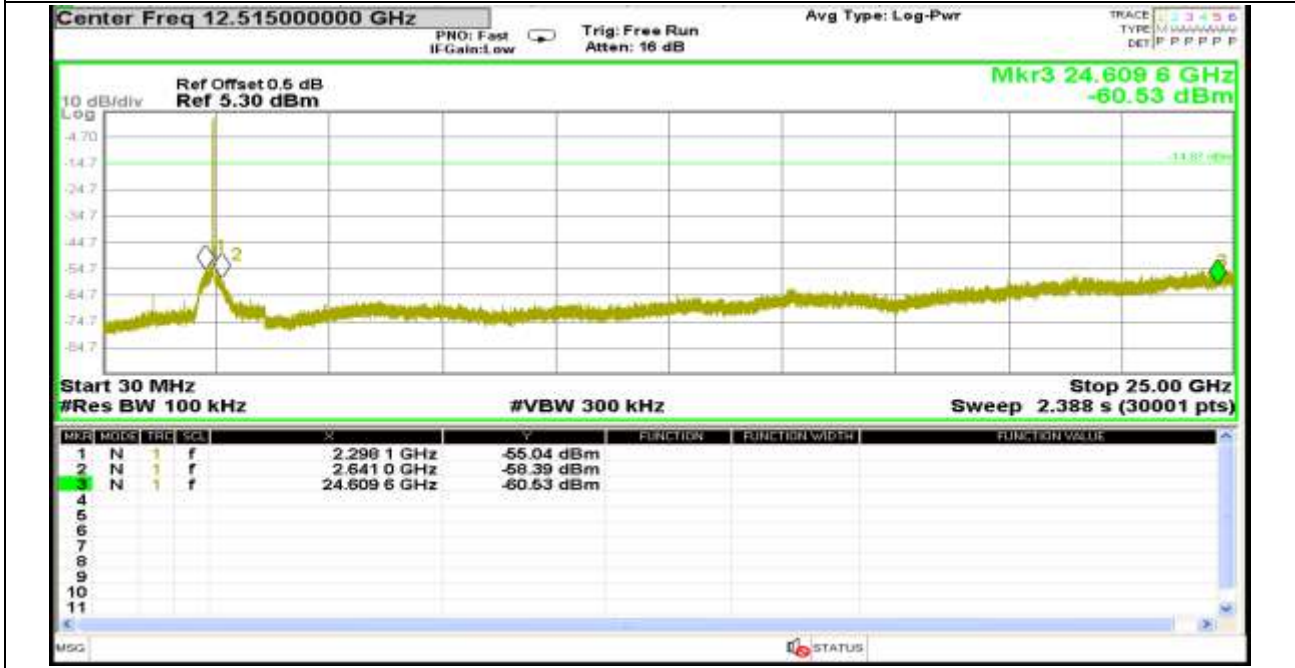
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

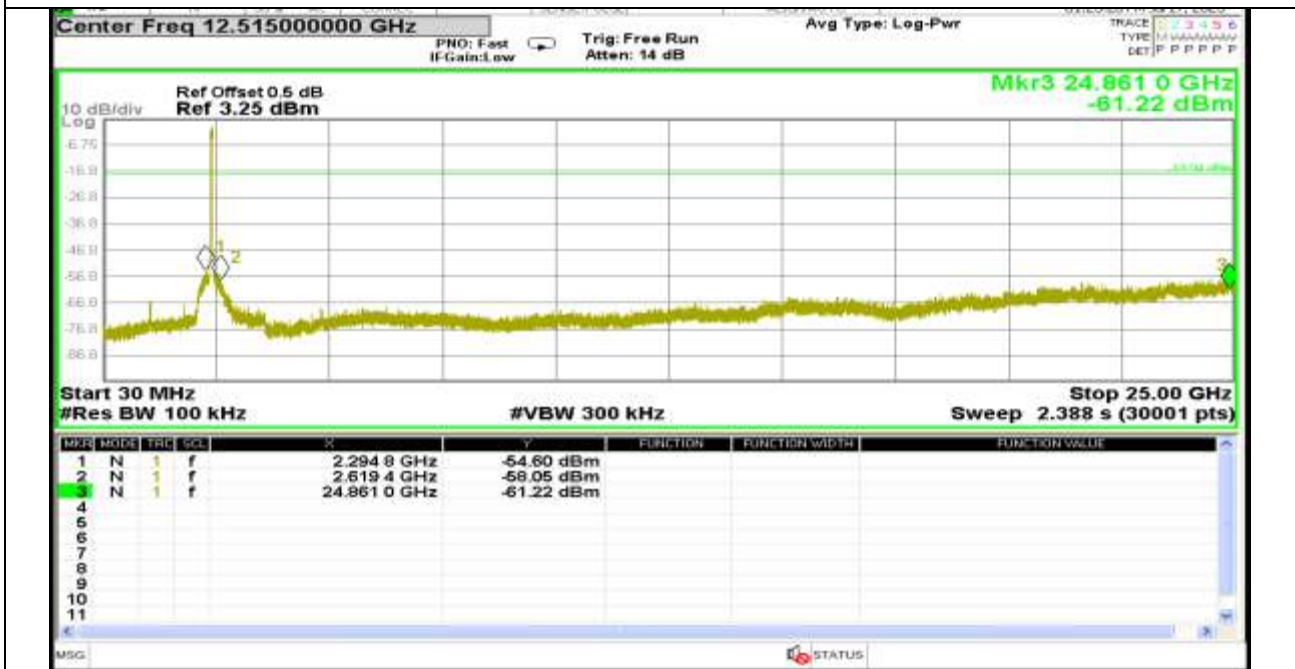
30 MHz to 25 GHz



802.11ax(HE40) mode with MCS0 data rate

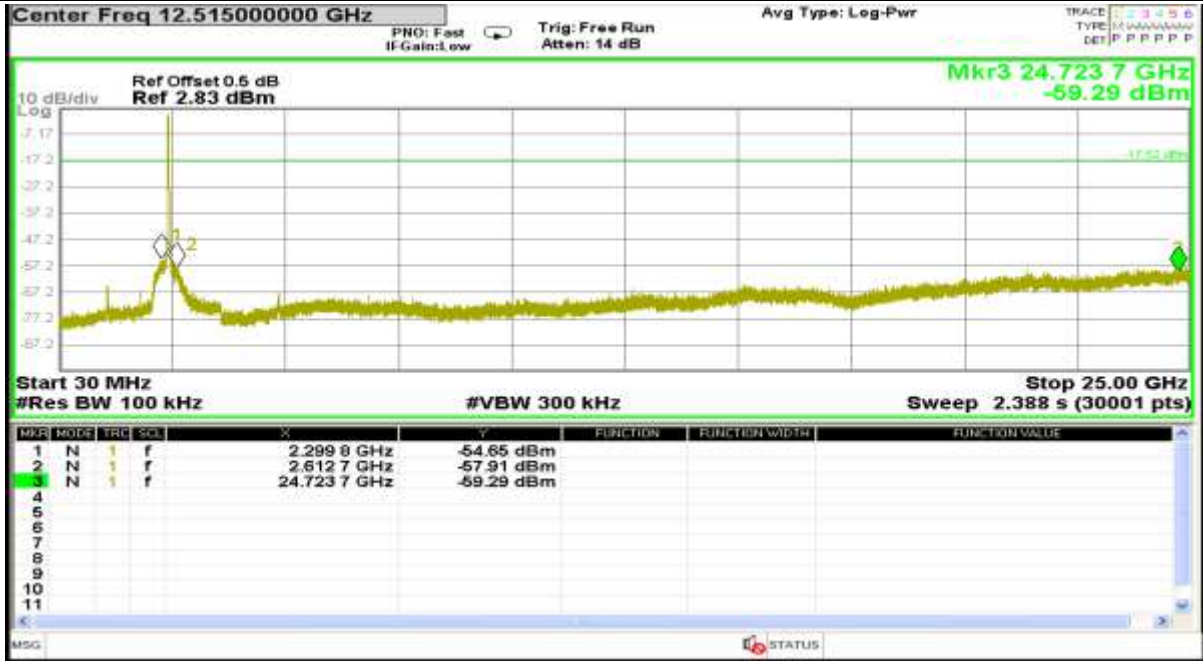
Channel 3: 2.422GHz:

30 MHz to 25 GHz



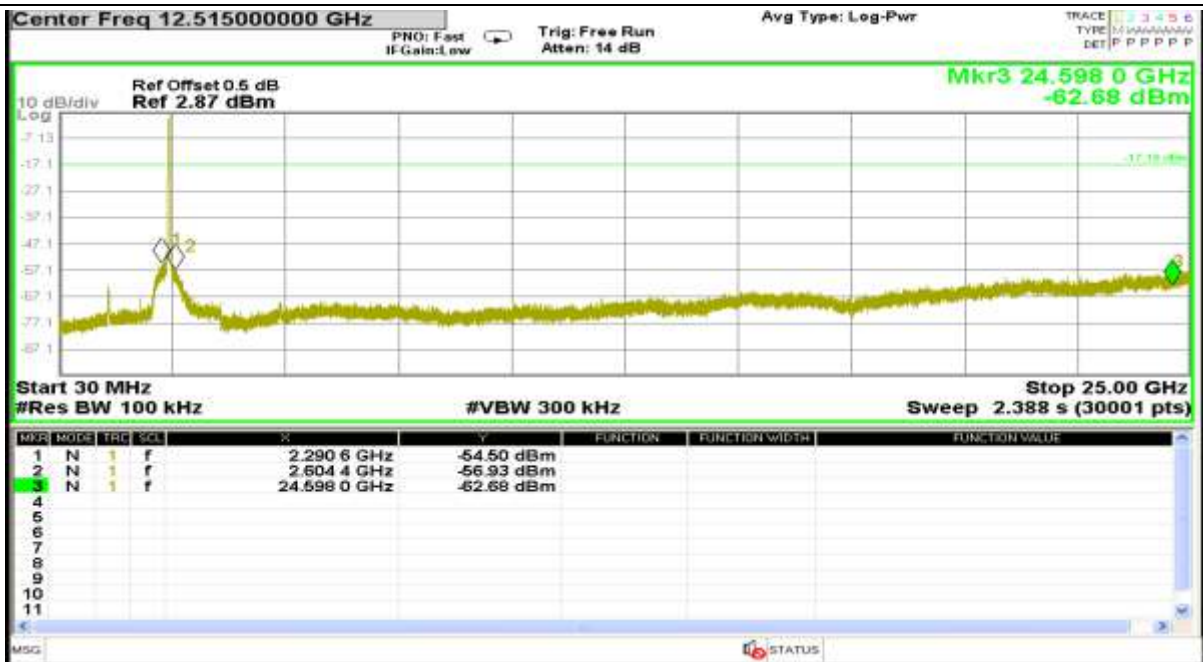
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

30 MHz to 25 GHz

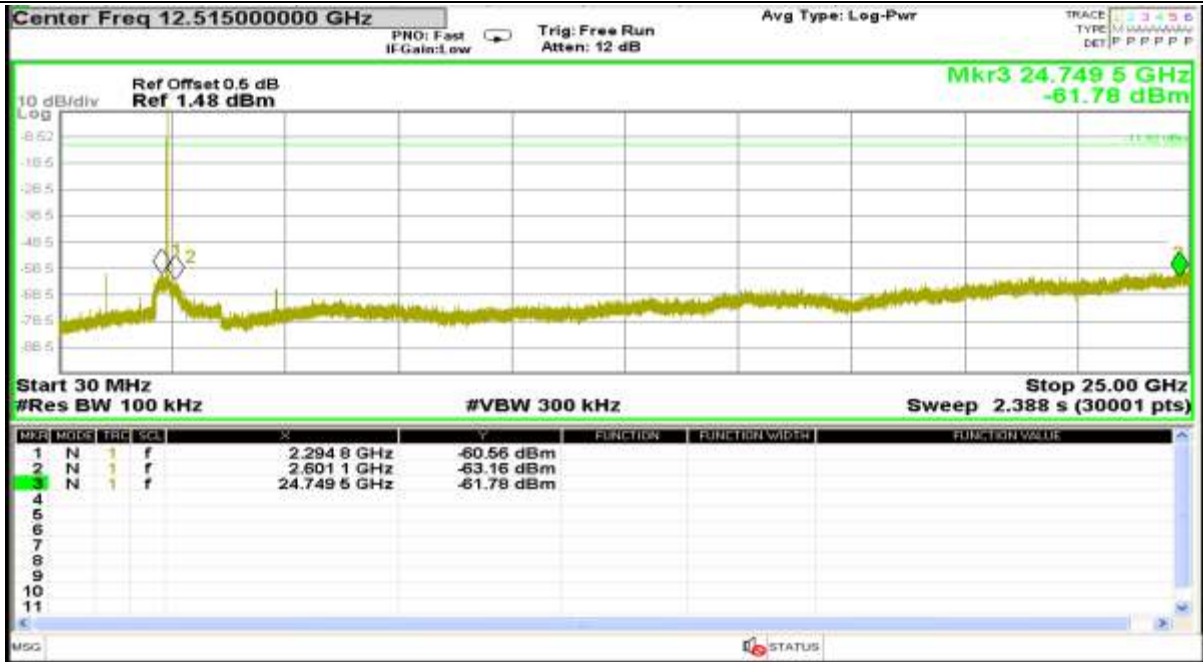


**Antenna 2:**

802.11b mode with 11Mbps data rate

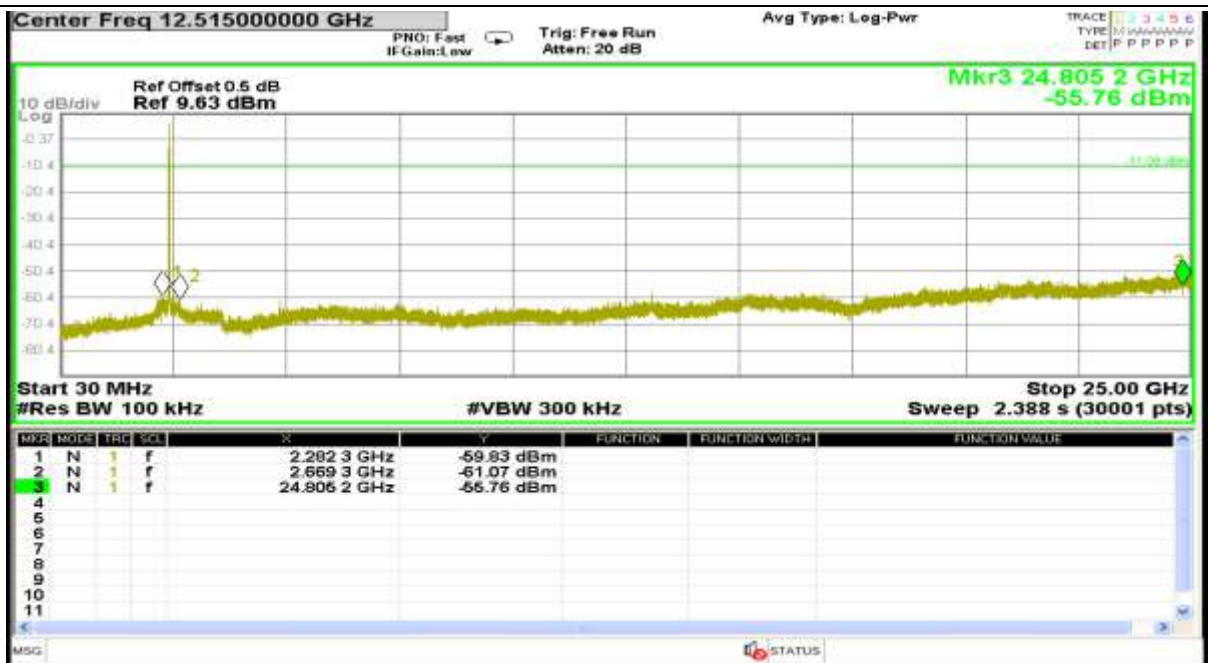
Channel 1: 2.412GHz:

30 MHz to 25 GHz



Channel 6: 2.437GHz:

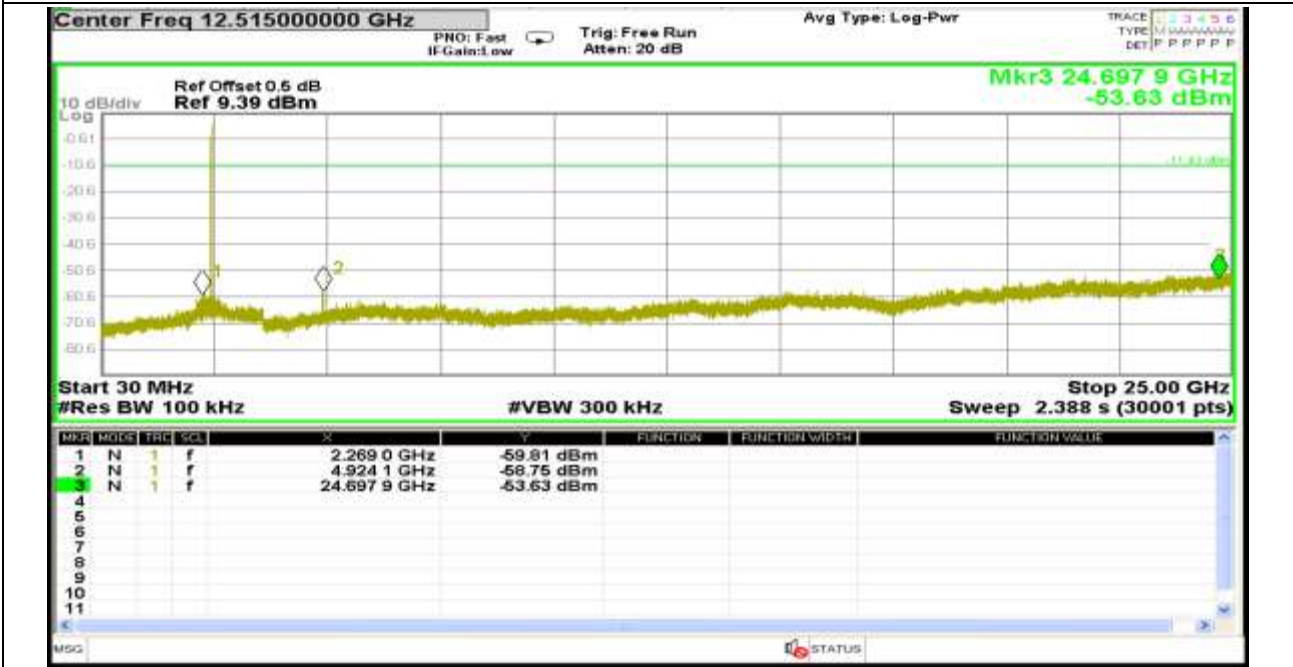
30 MHz to 25 GHz





Channel 11:2.462 GHz

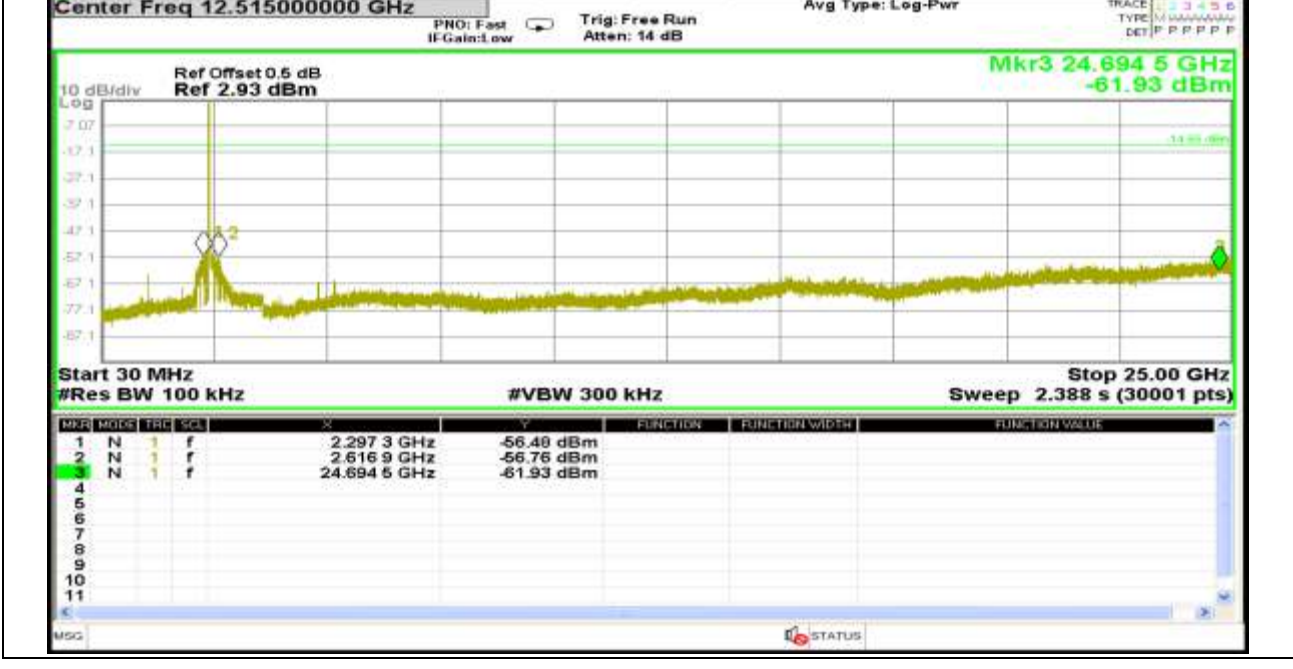
30 MHz to 25 GHz



802.11g mode with 54Mbps data rate

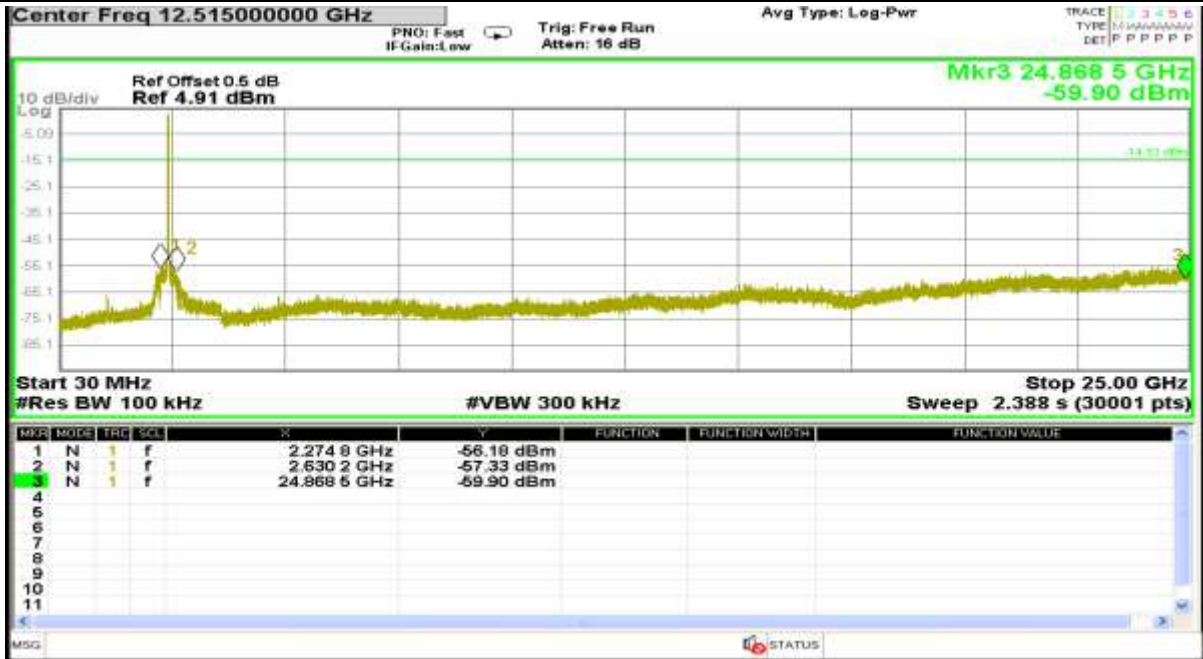
Channel 1: 2.412GHz:

30 MHz to 25 GHz



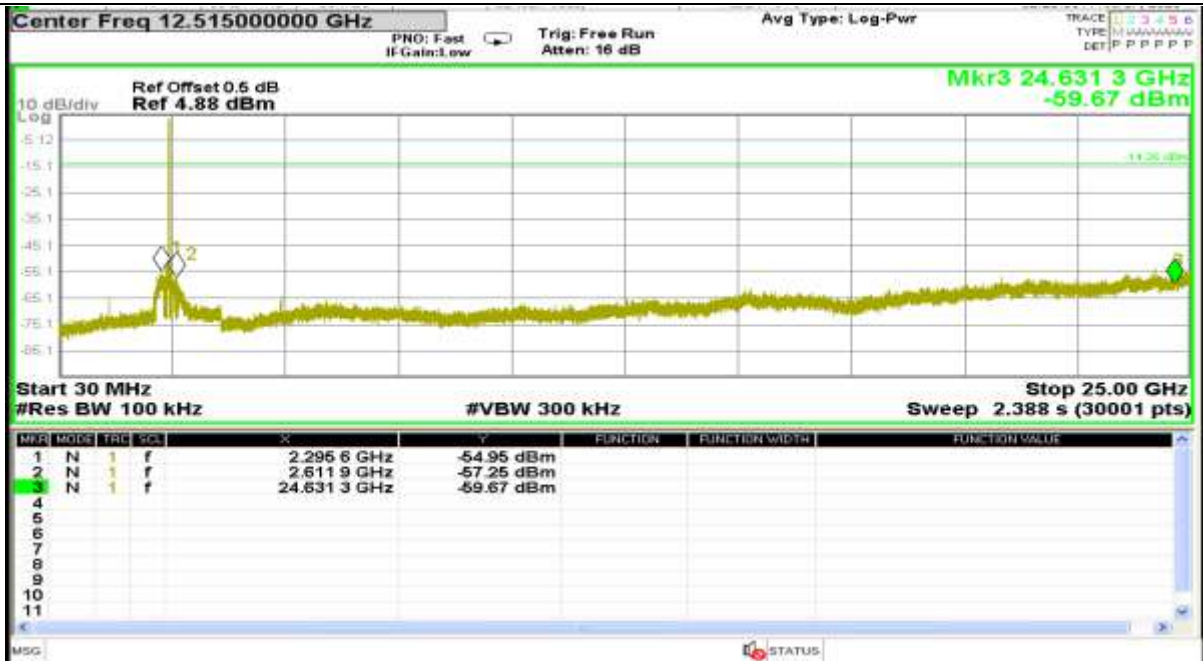
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

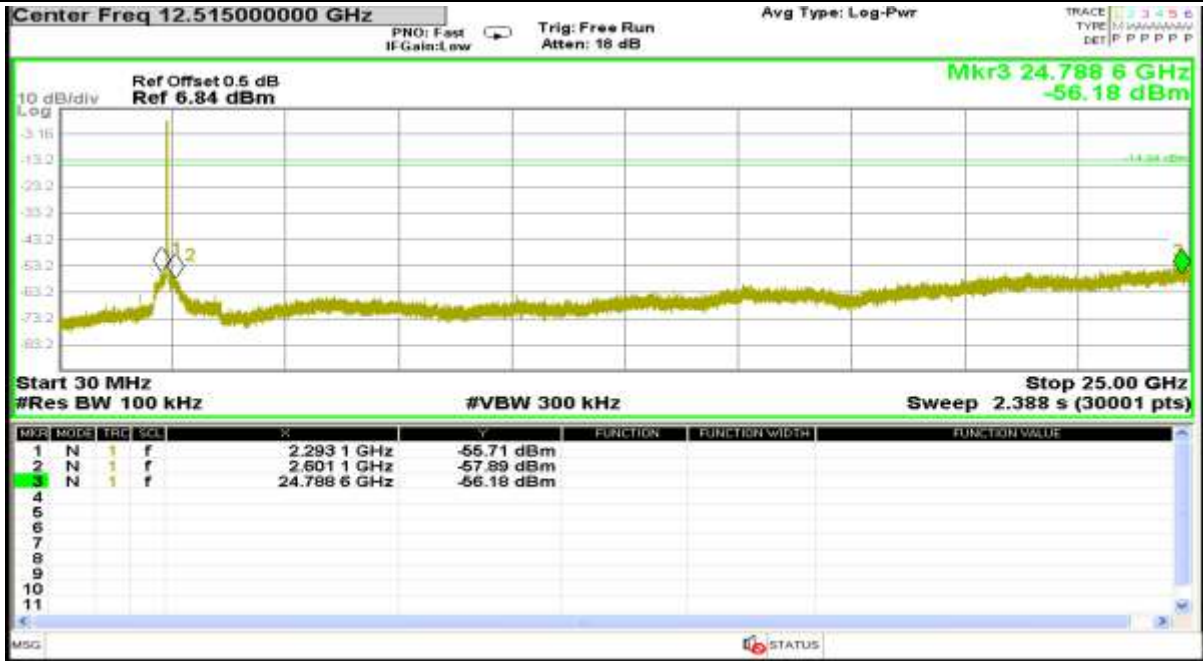
30 MHz to 25 GHz



802.11n(HT20) mode with 72.2Mbps data rate

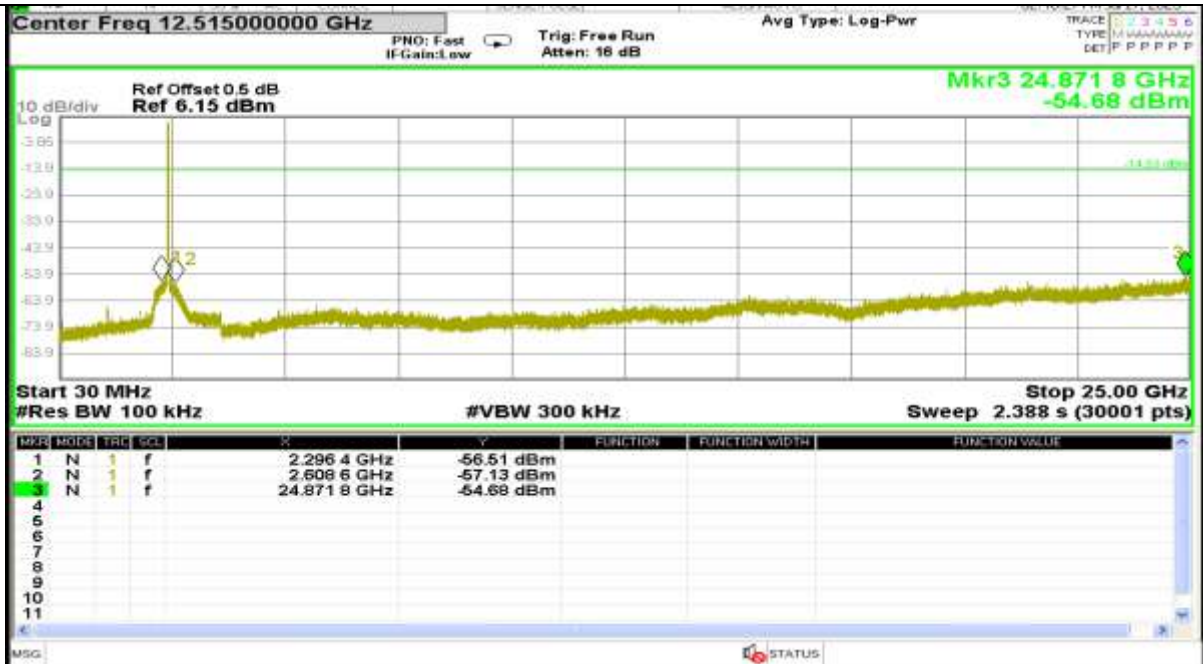
Channel 1: 2.412GHz:

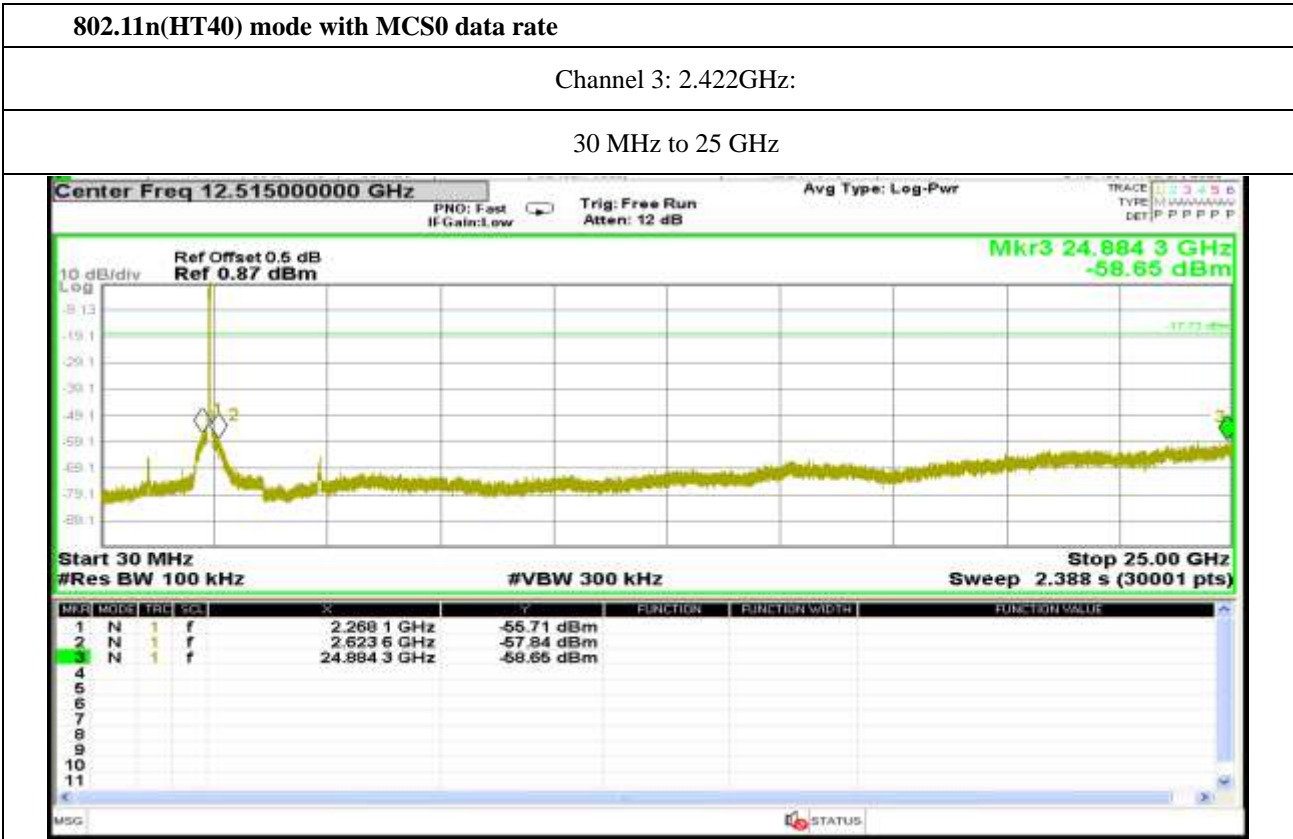
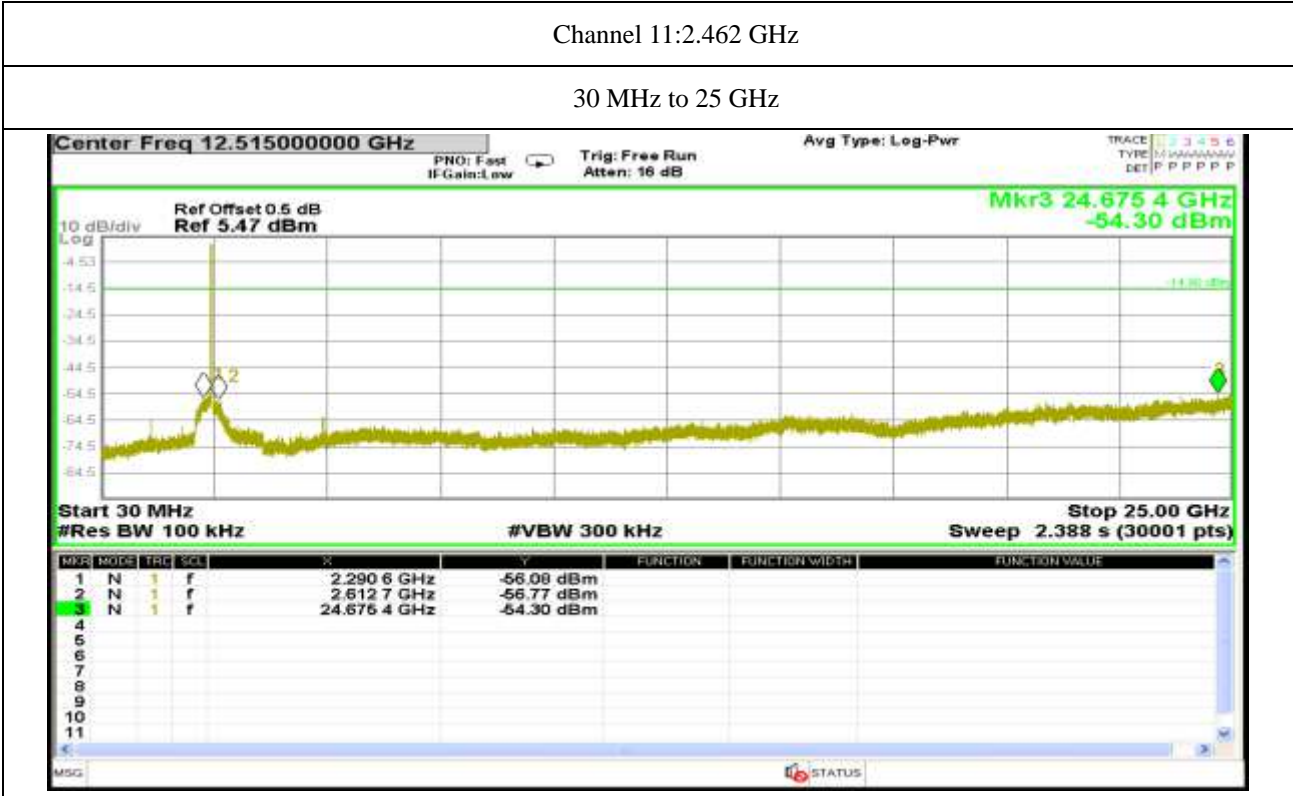
30 MHz to 25 GHz



Channel 6: 2.437GHz:

30 MHz to 25 GHz

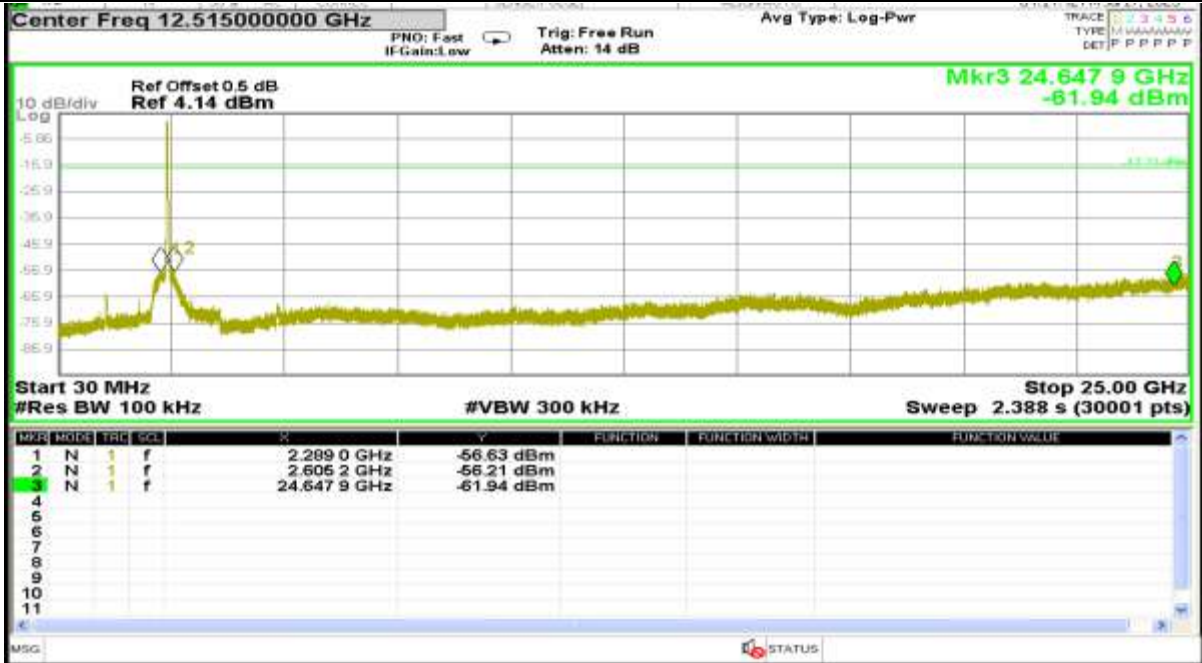






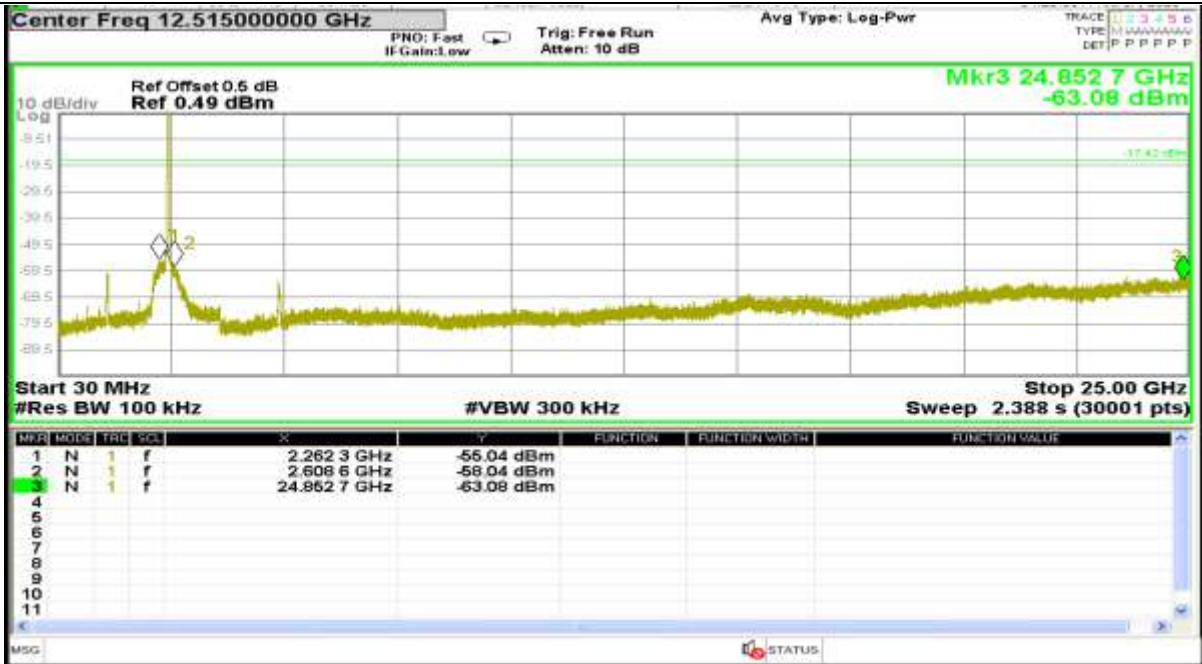
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

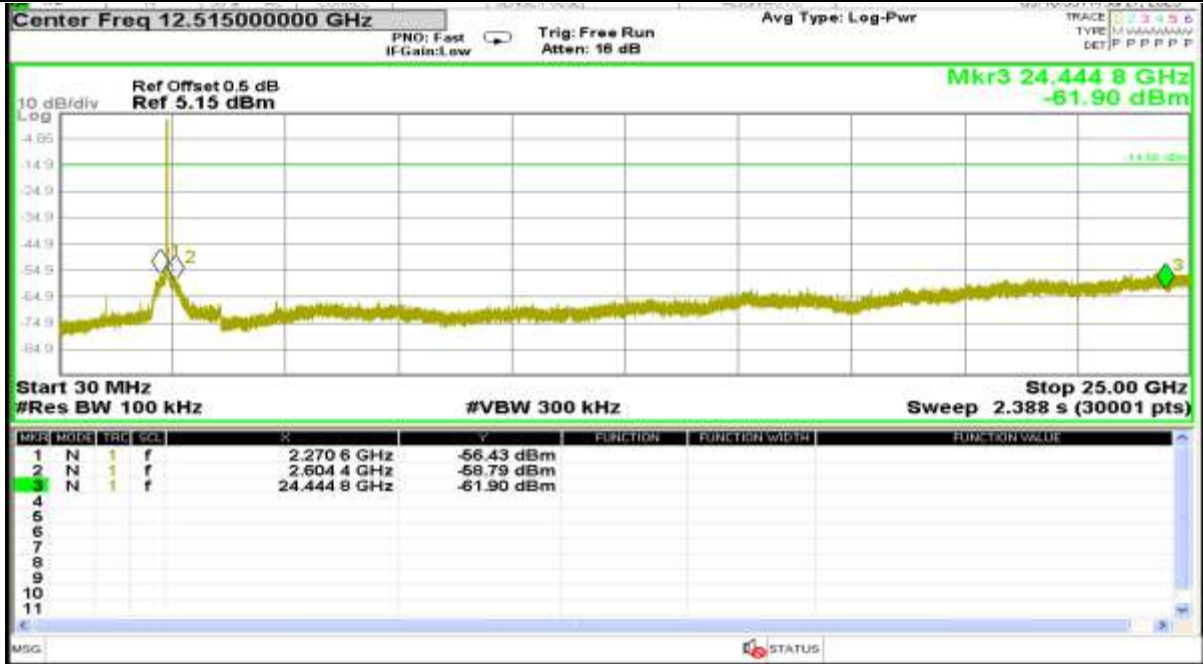
30 MHz to 25 GHz



802.11ax (HE20) mode with MCS0 data rate

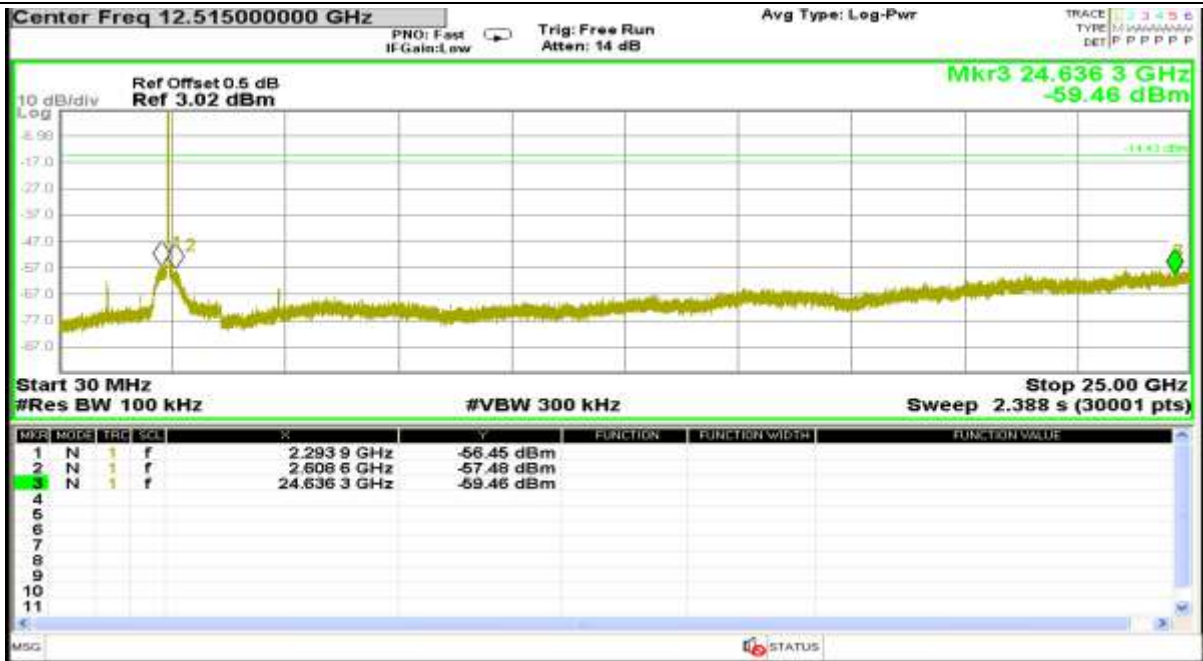
Channel 1: 2.412GHz:

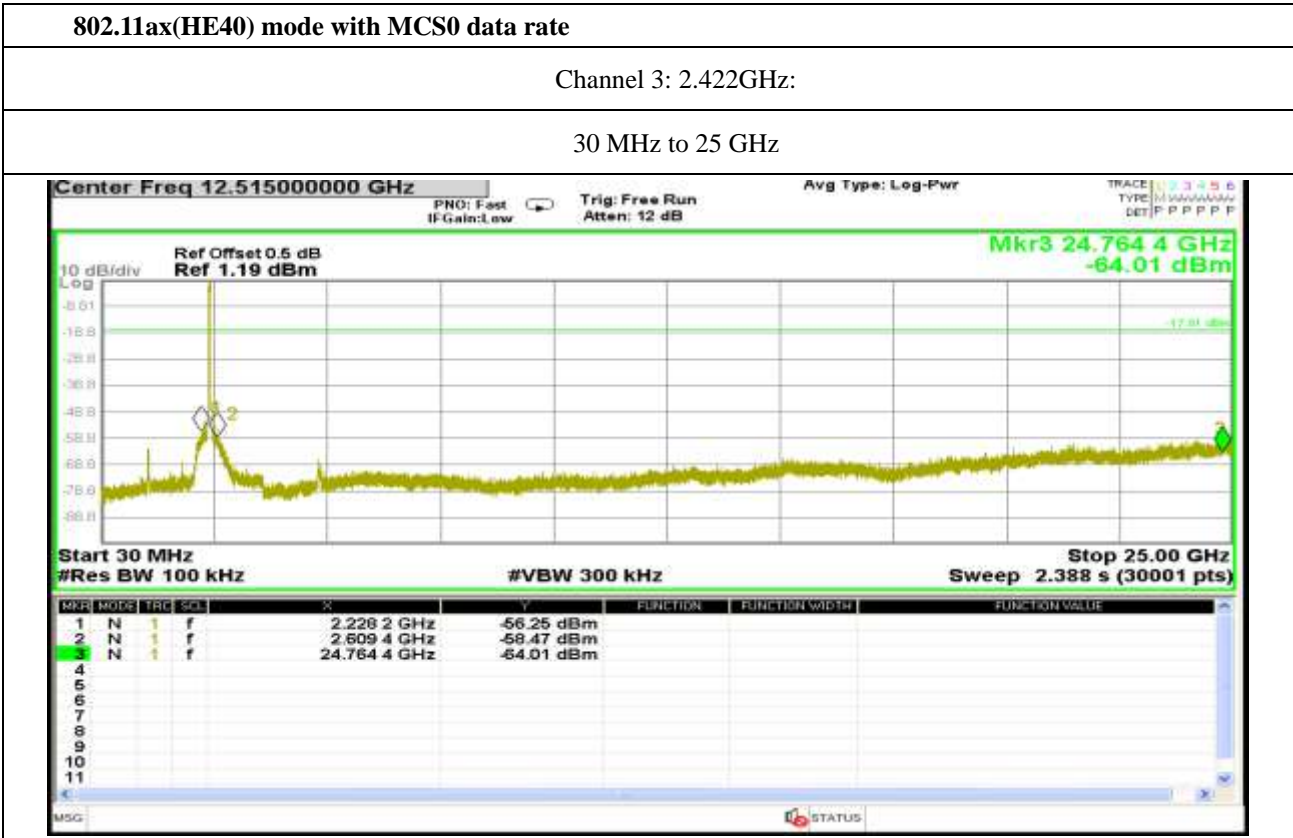
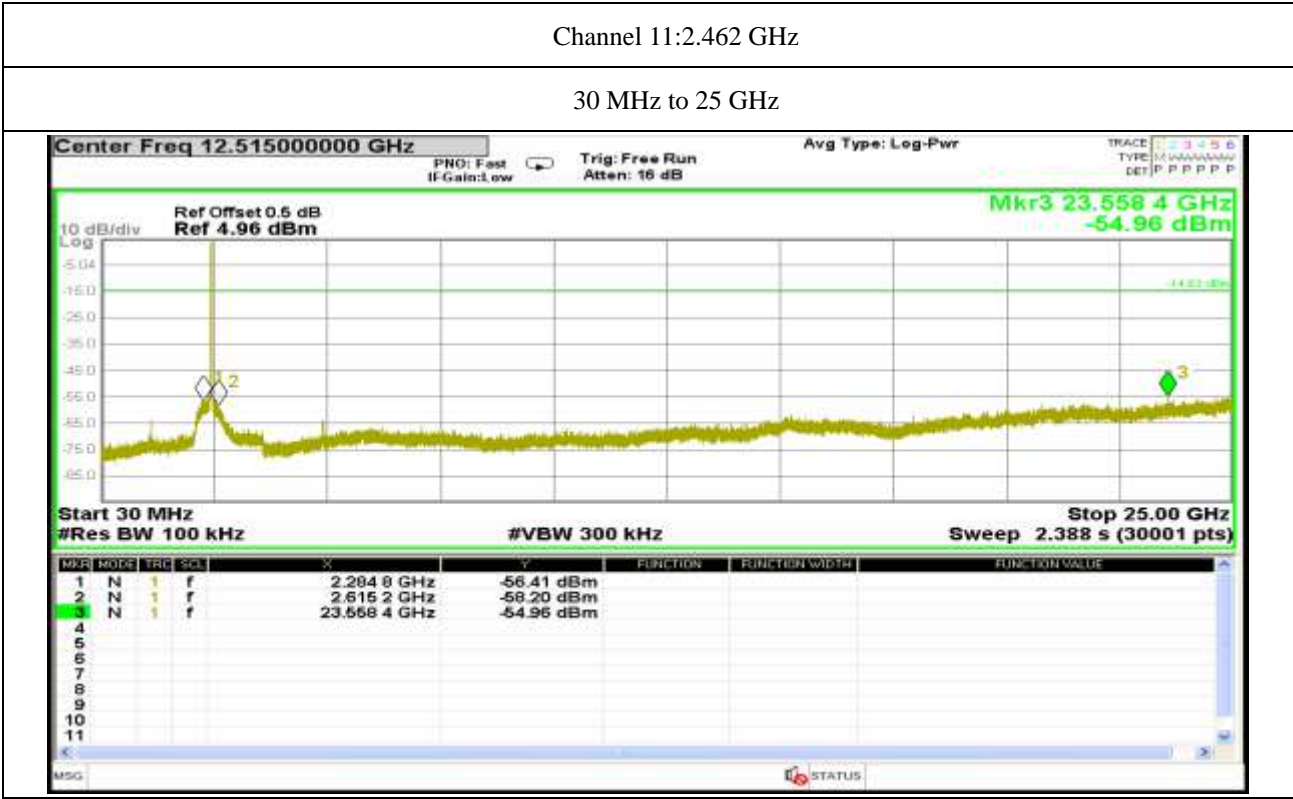
30 MHz to 25 GHz



Channel 6: 2.437GHz:

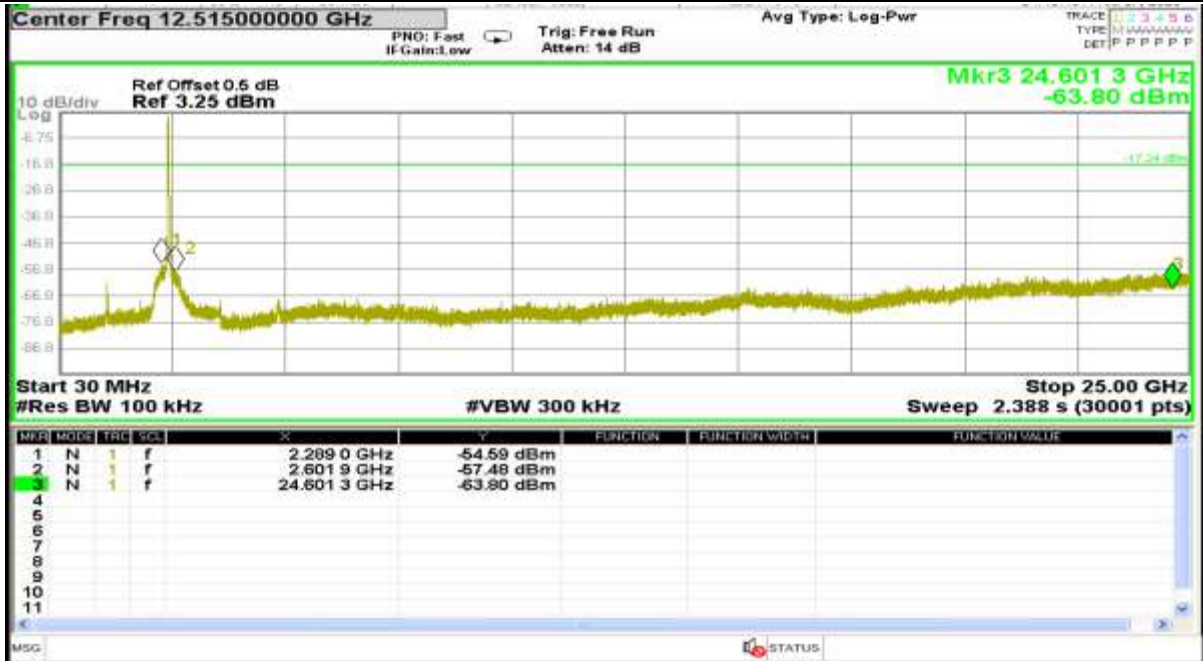
30 MHz to 25 GHz





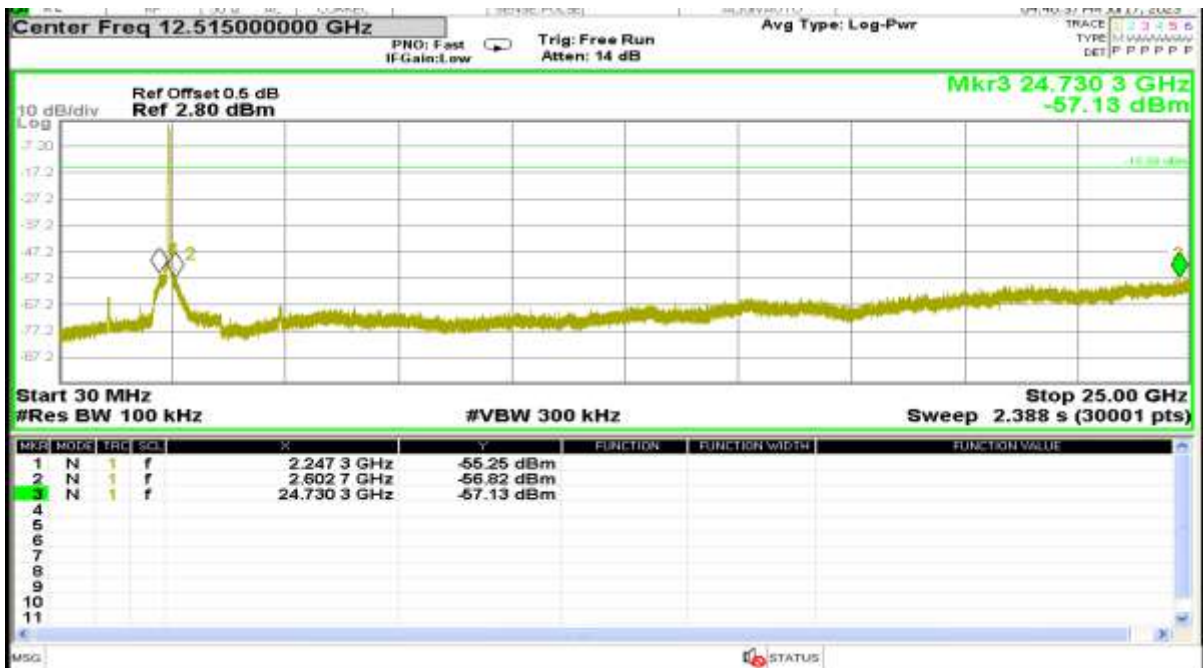
Channel 6: 2.437GHz:

30 MHz to 25 GHz



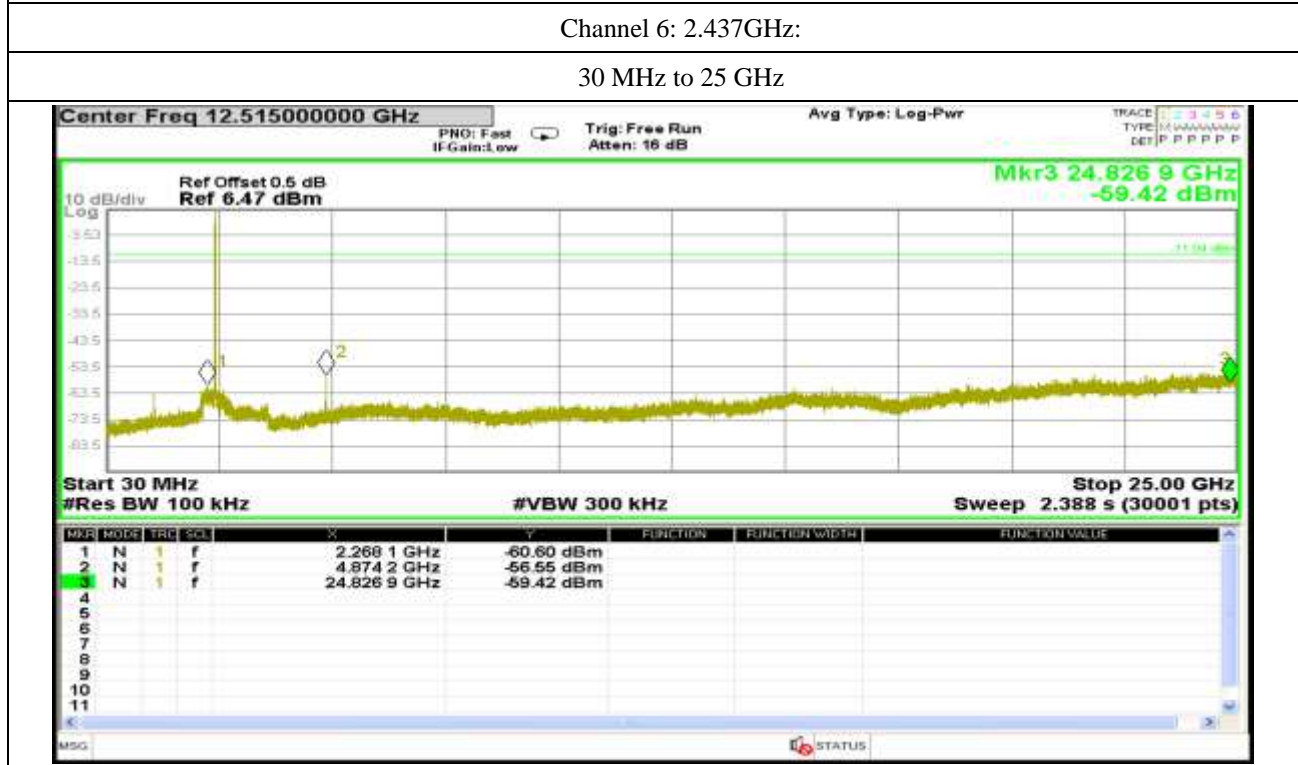
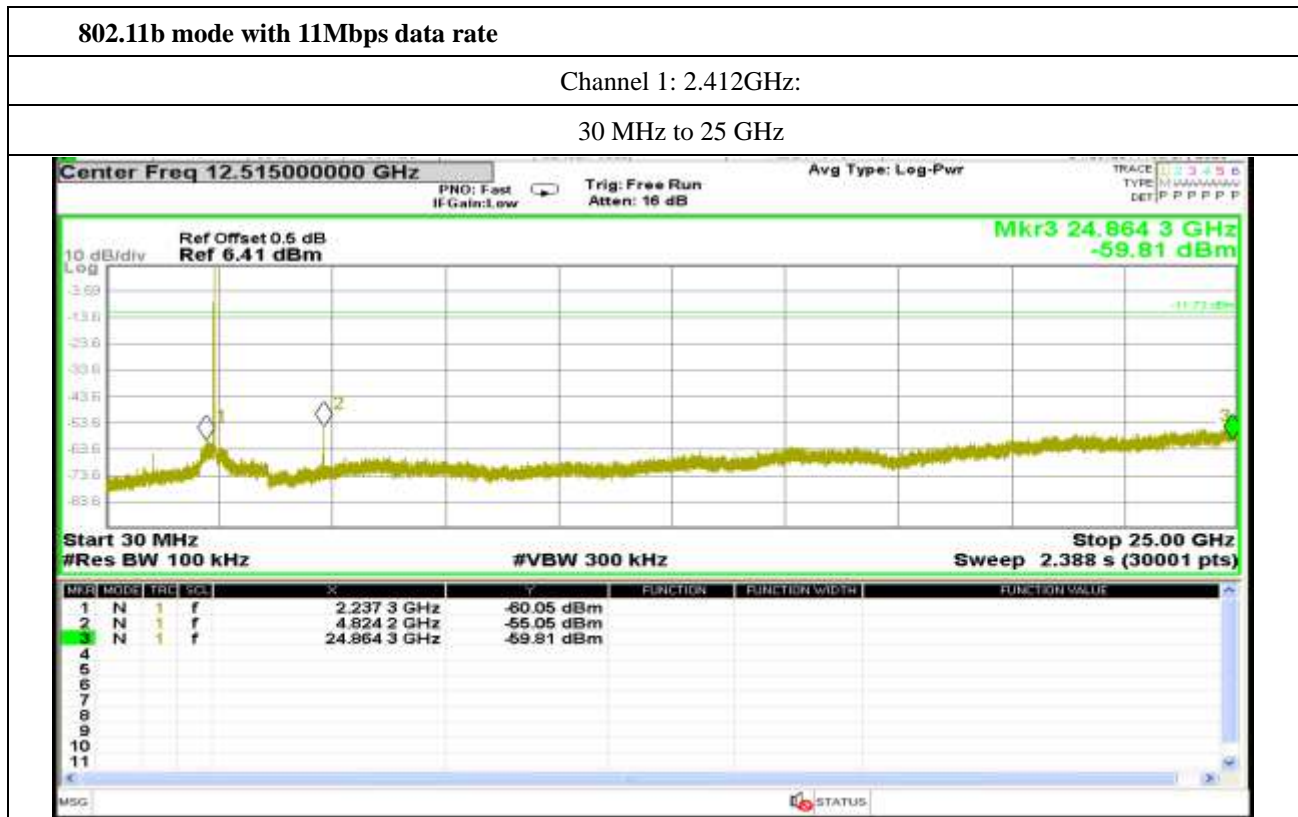
Channel 9: 2.452GHz:

30 MHz to 25 GHz



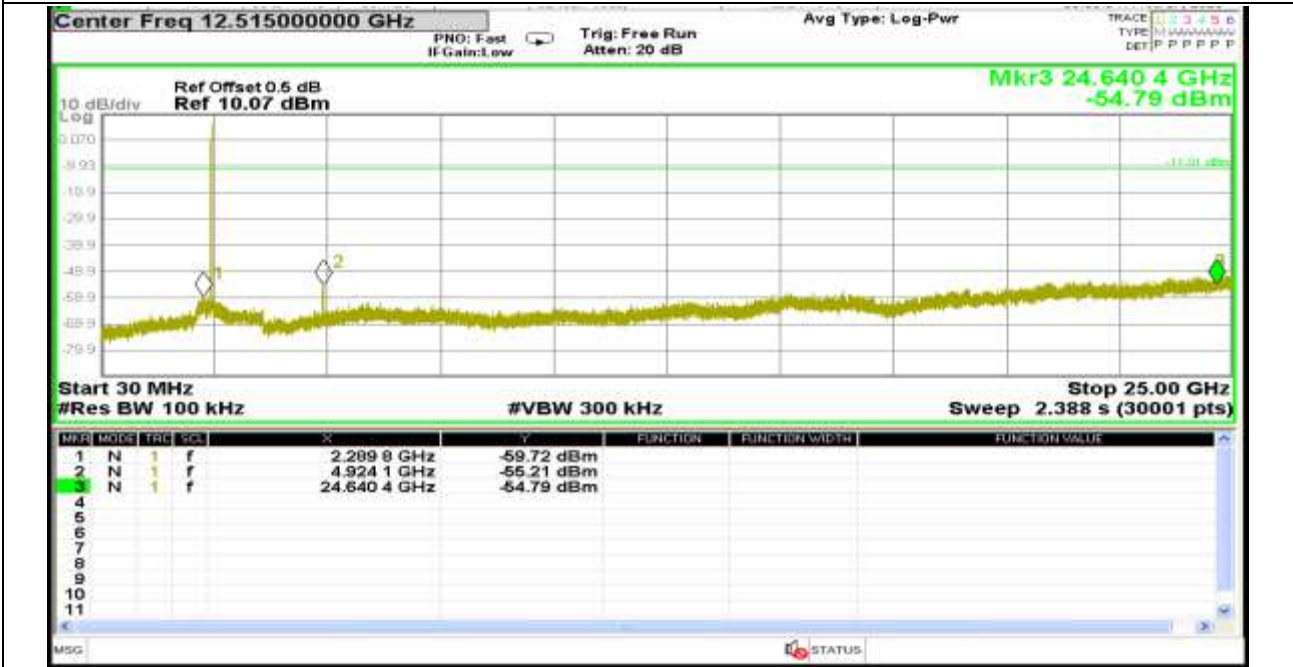


**Antenna 3:**



Channel 11:2.462 GHz

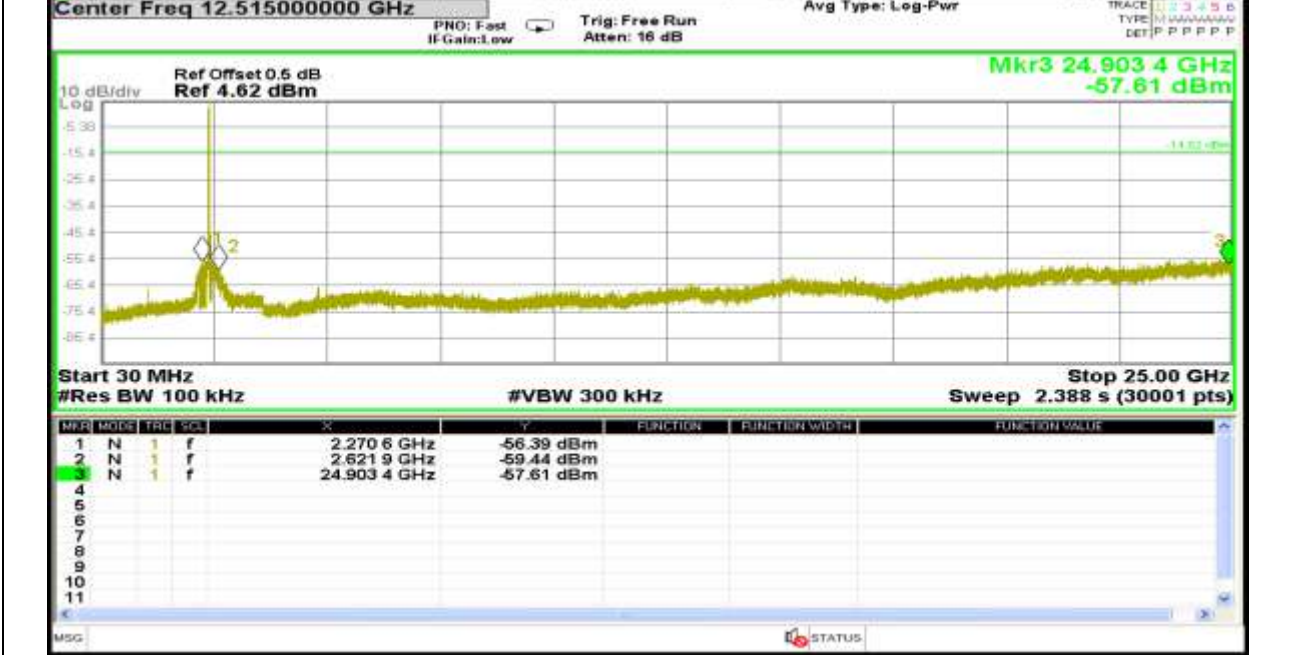
30 MHz to 25 GHz



802.11g mode with 54Mbps data rate

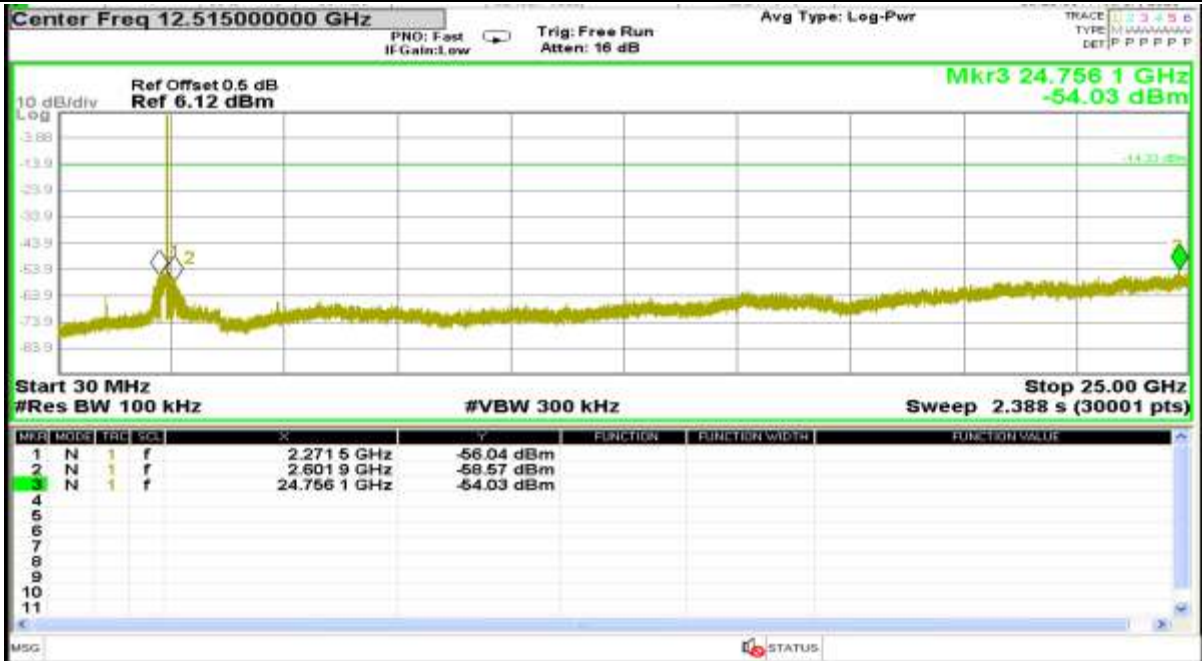
Channel 1: 2.412GHz:

30 MHz to 25 GHz



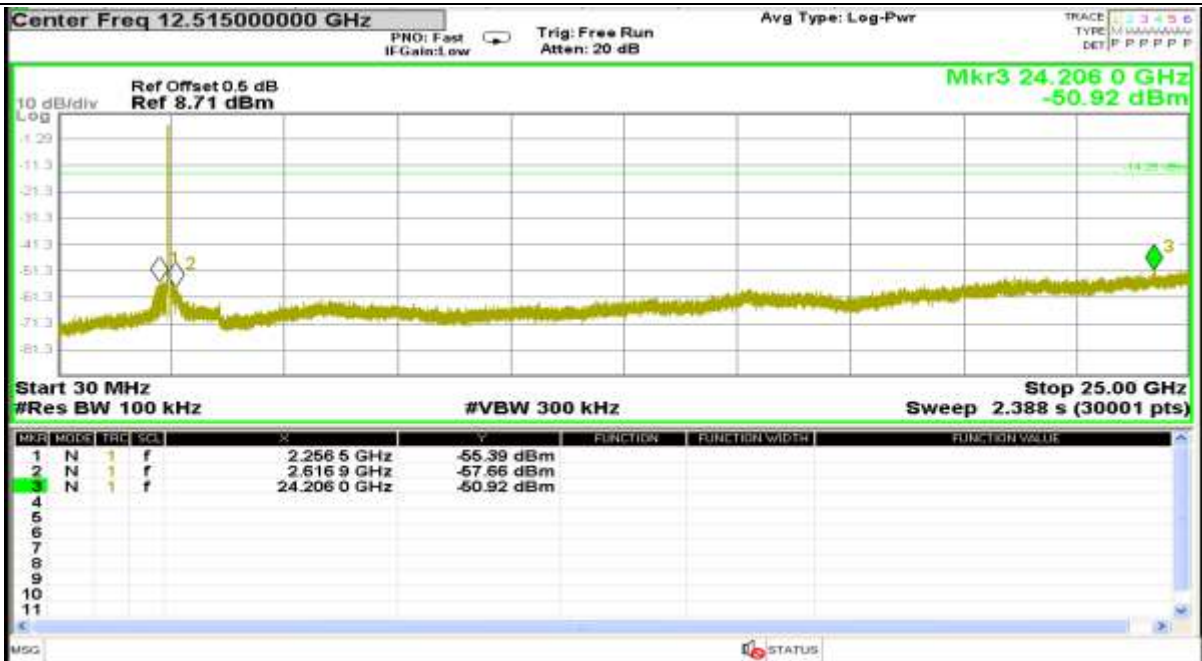
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 11:2.462 GHz

30 MHz to 25 GHz

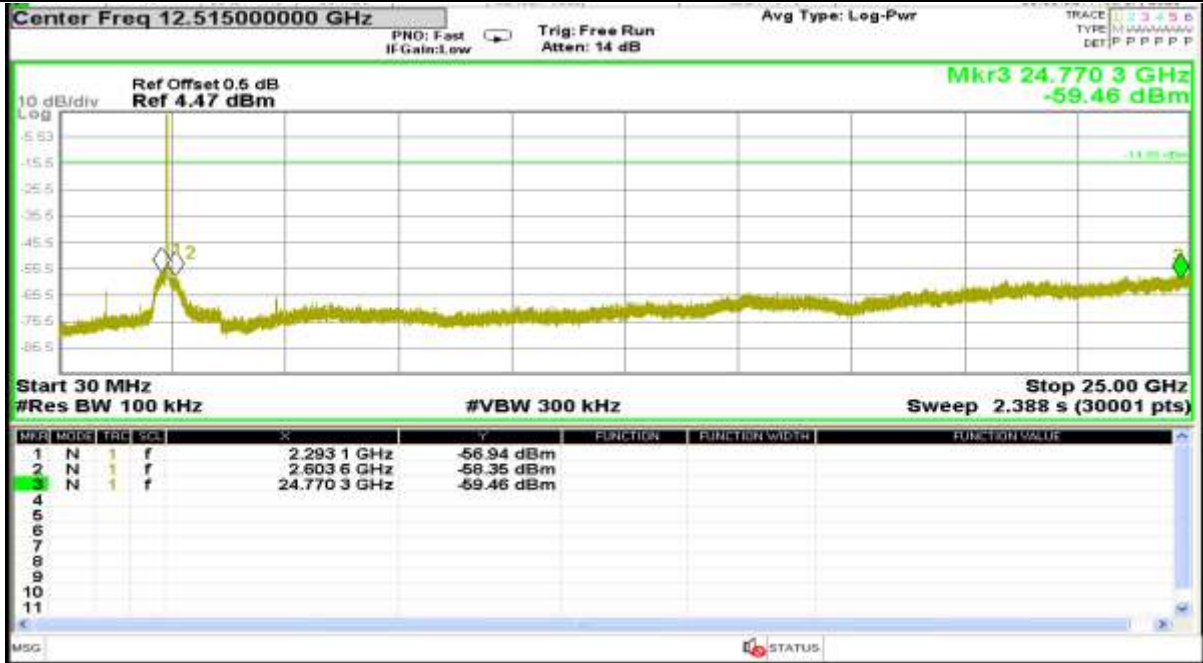




802.11n(HT20) mode with 72.2Mbps data rate

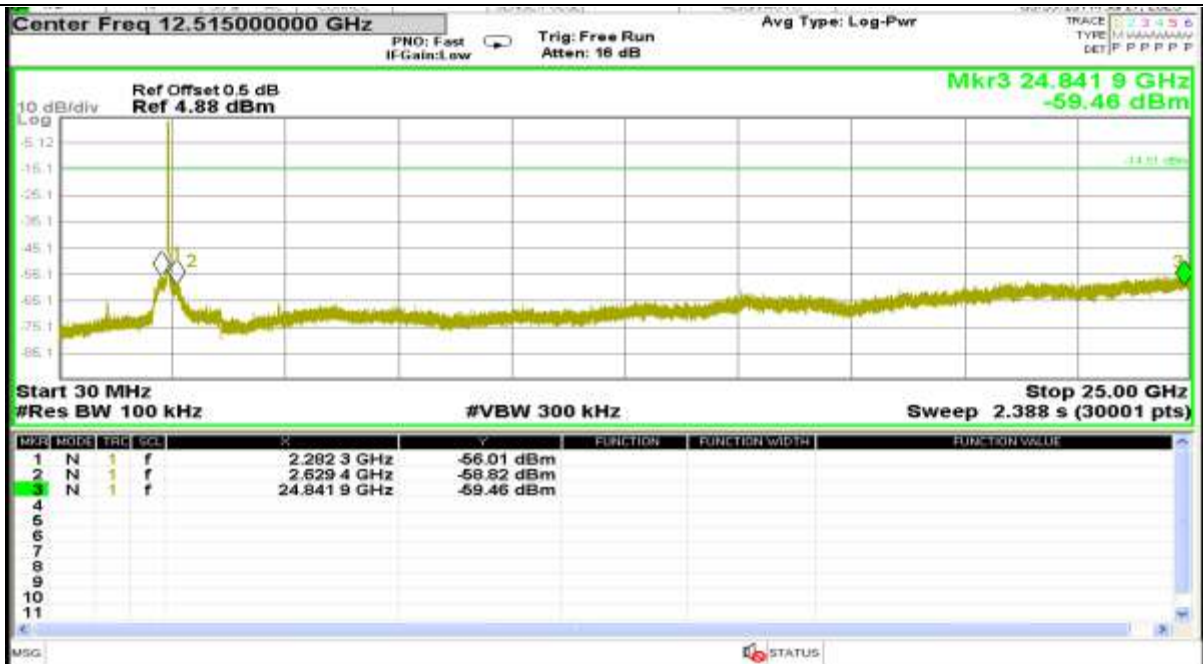
Channel 1: 2.412GHz:

30 MHz to 25 GHz

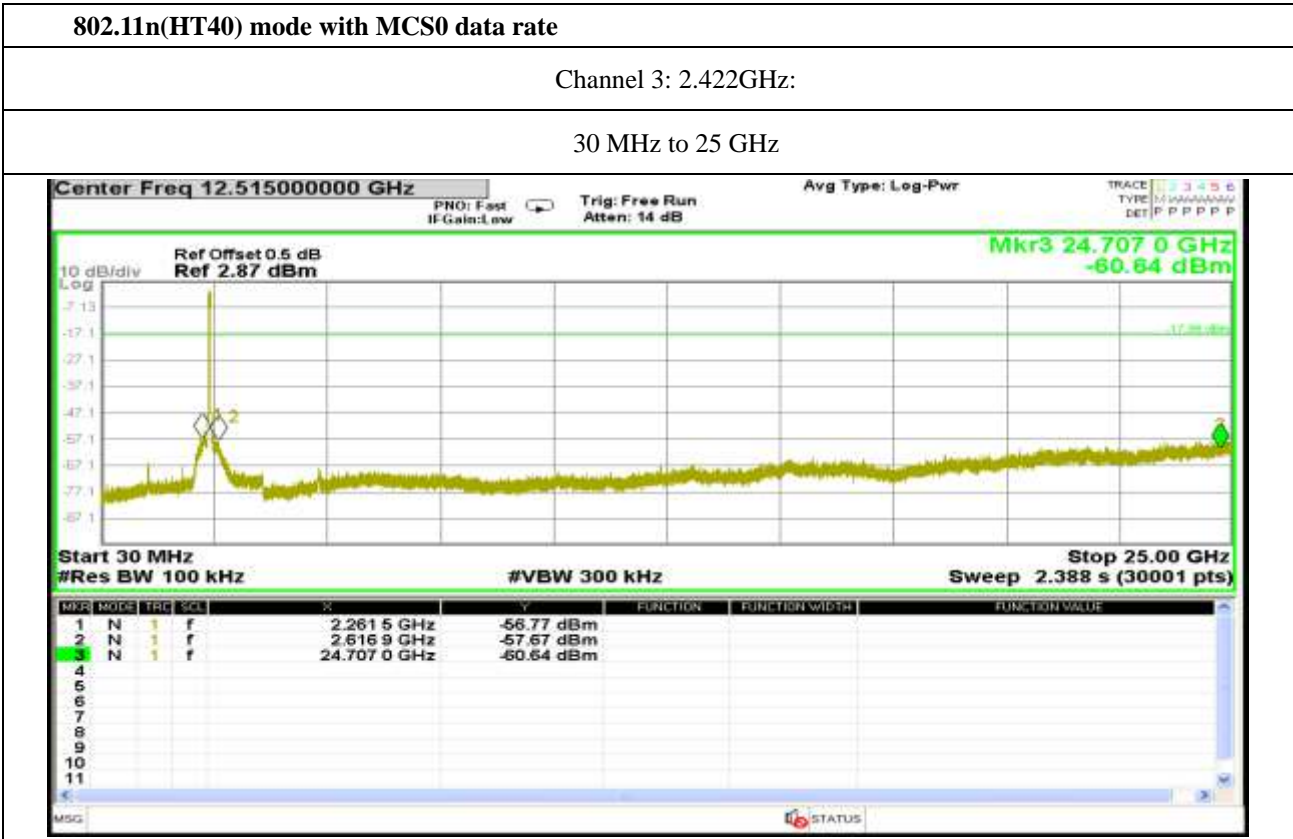
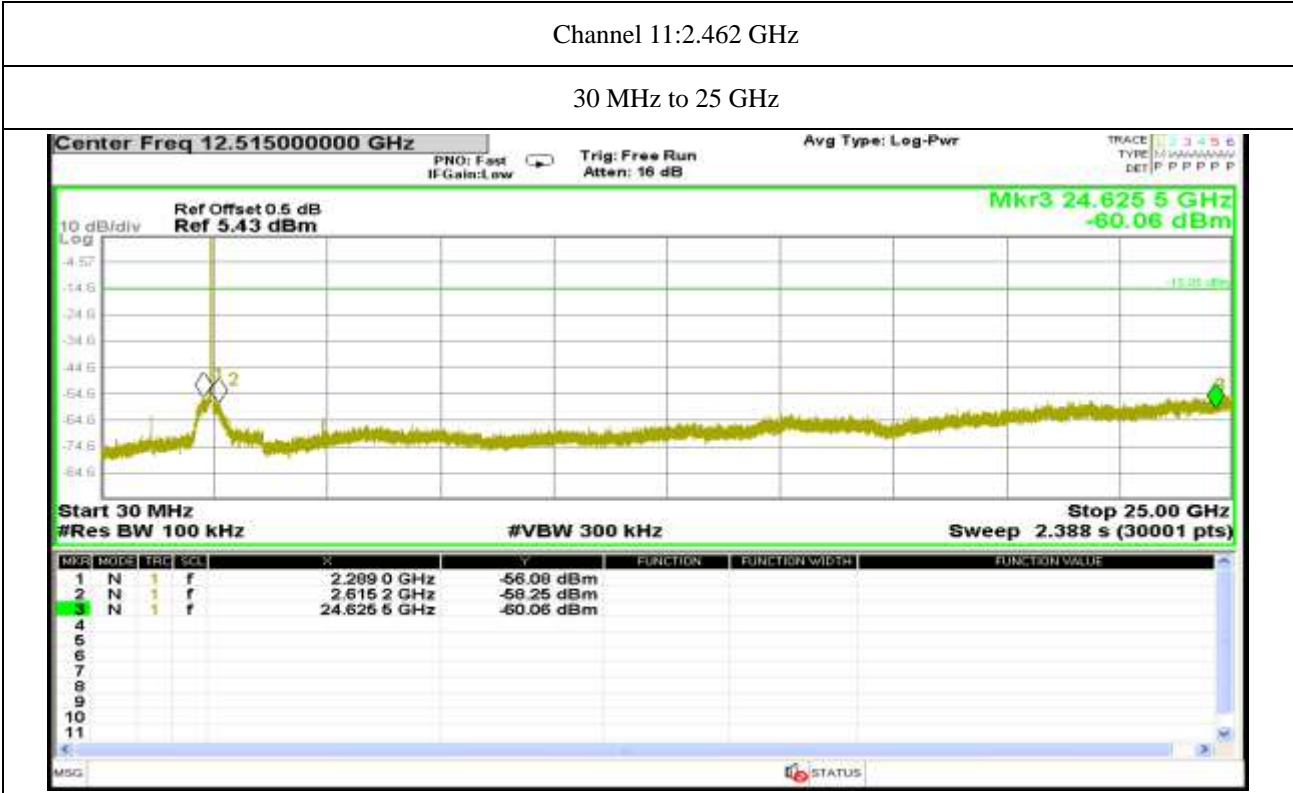


Channel 6: 2.437GHz:

30 MHz to 25 GHz

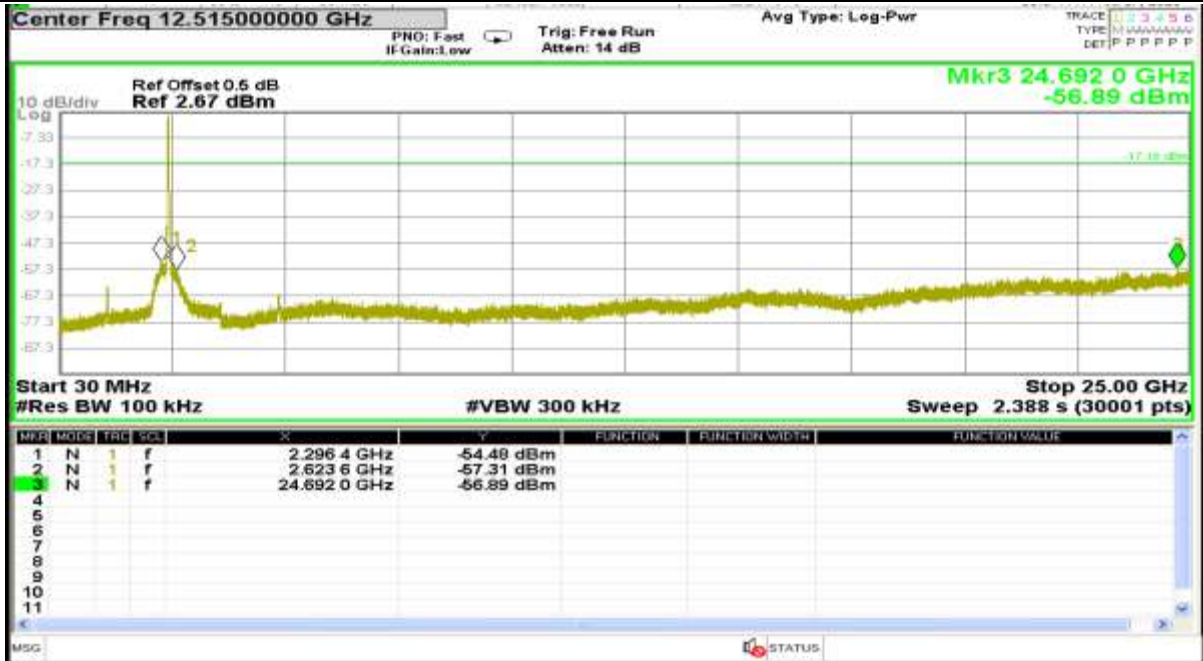






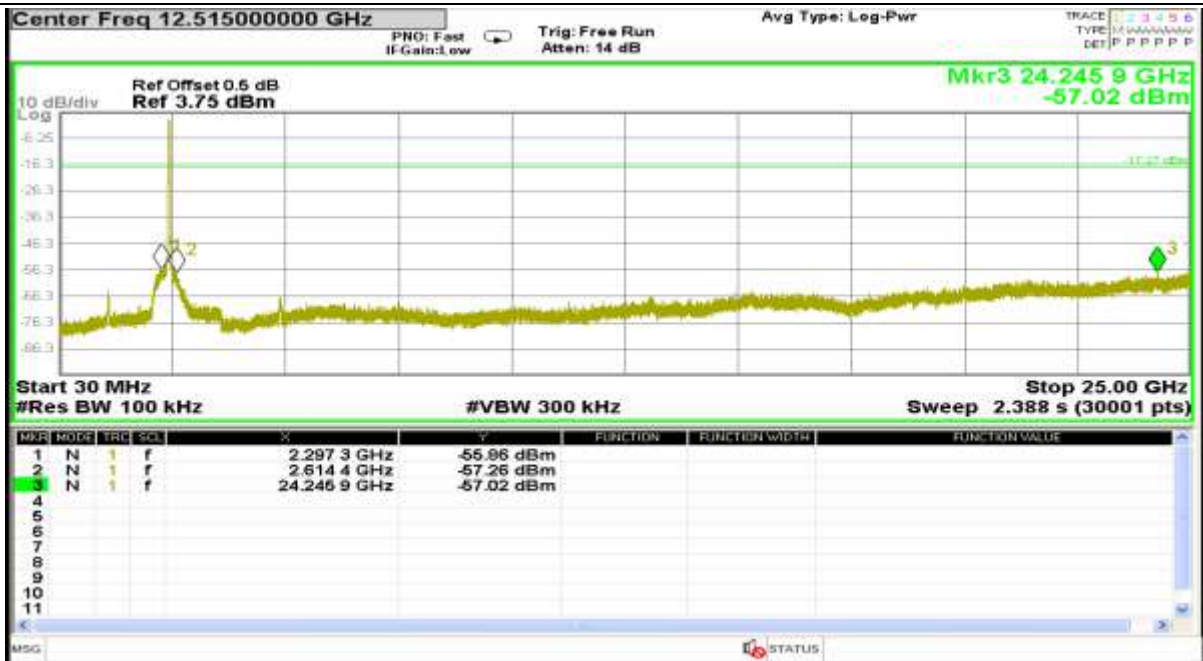
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

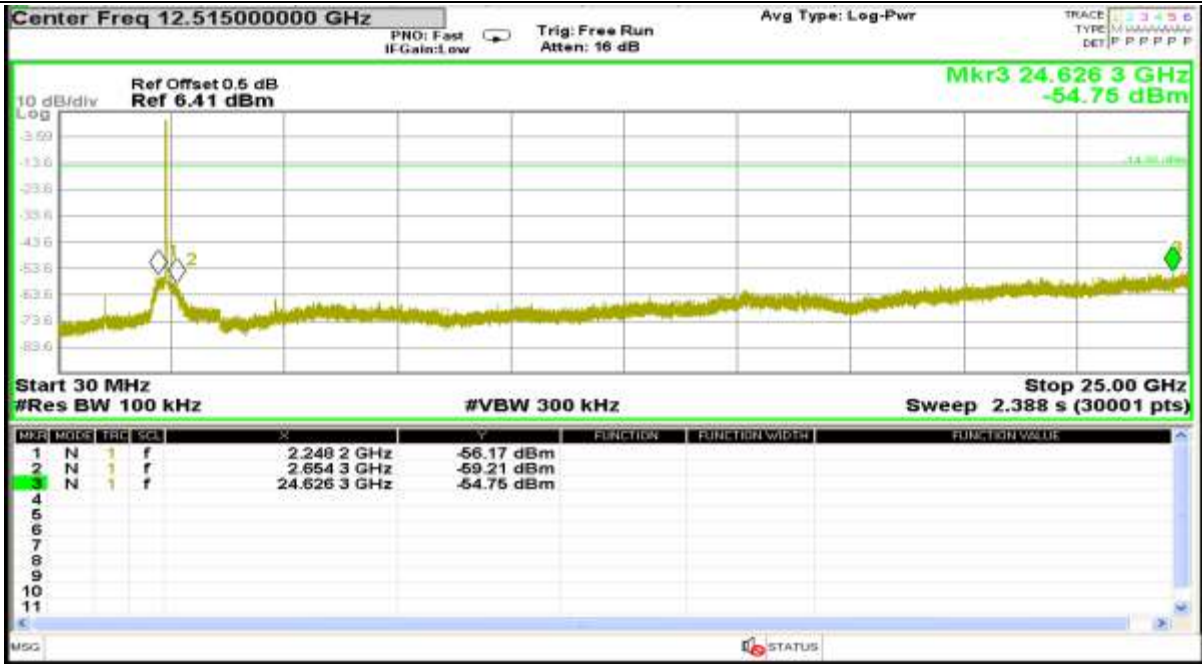
30 MHz to 25 GHz



**802.11ax (HE20) mode with MCS0 data rate**

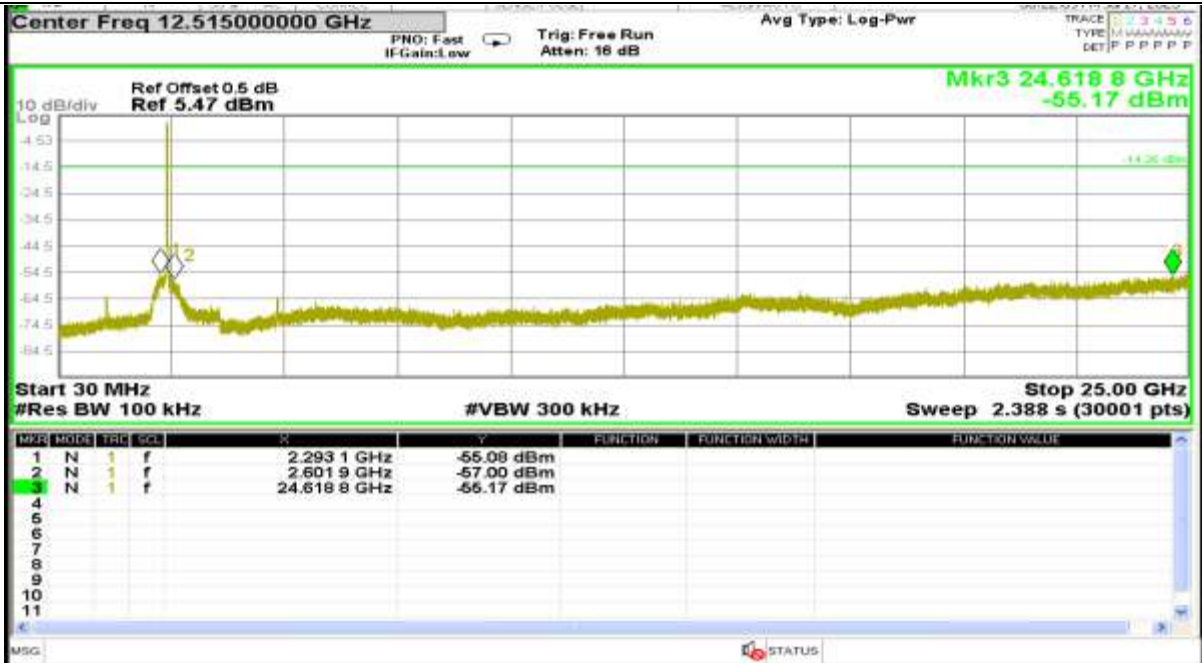
Channel 1: 2.412GHz:

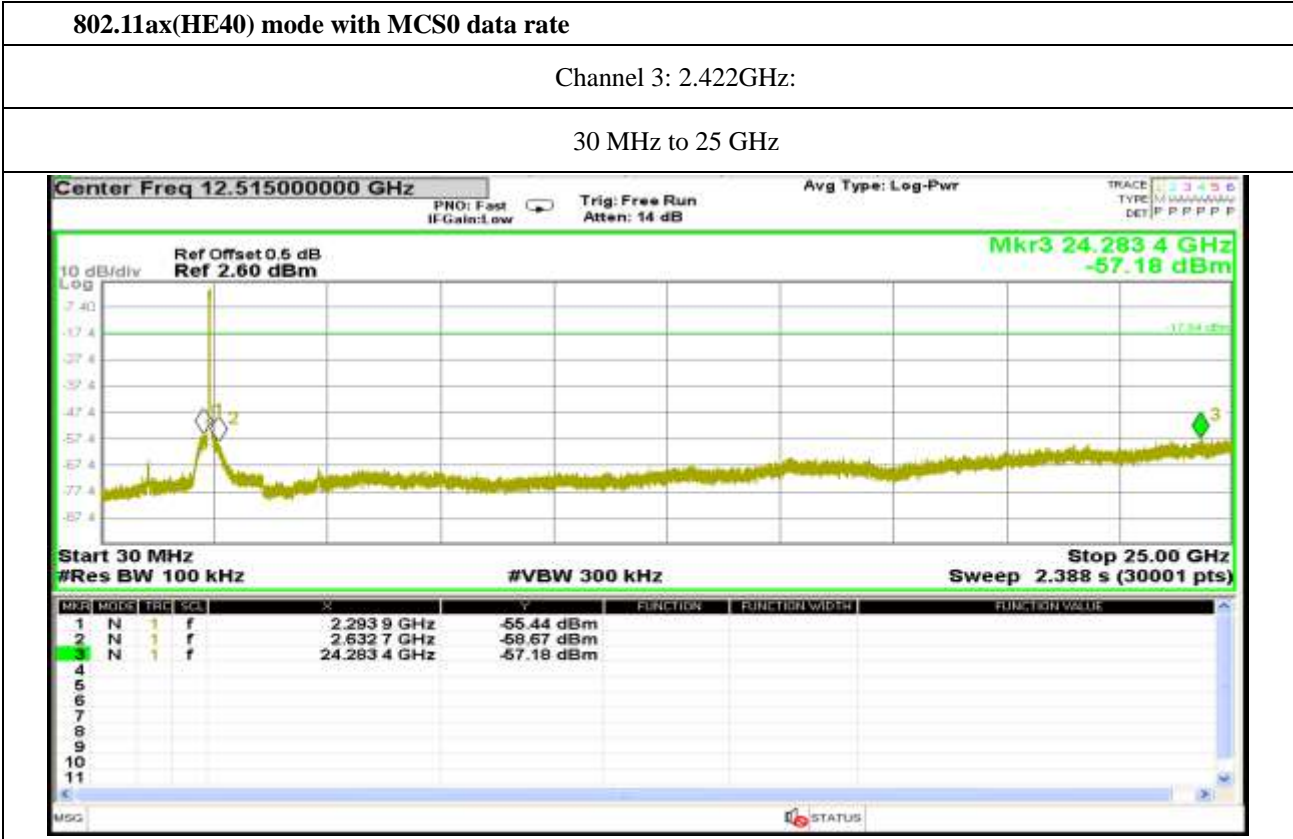
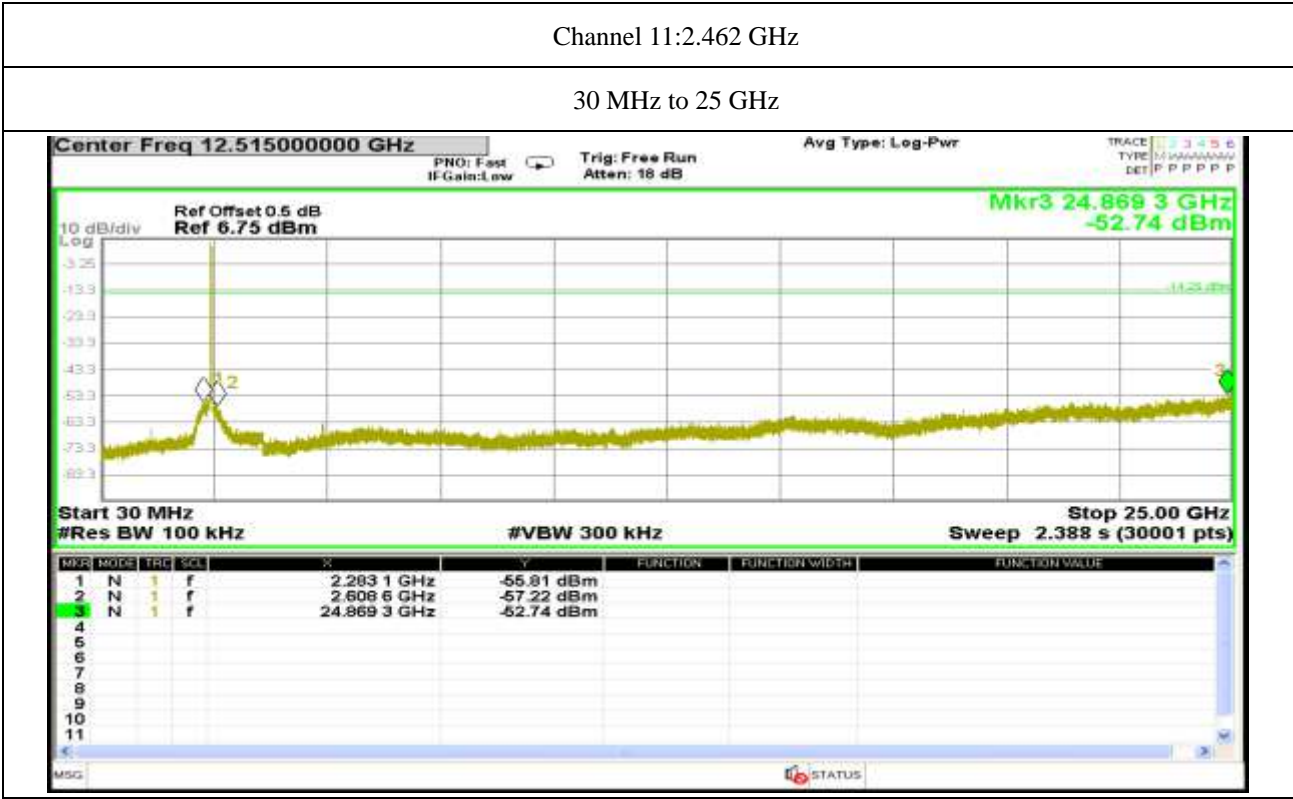
30 MHz to 25 GHz



Channel 6: 2.437GHz:

30 MHz to 25 GHz



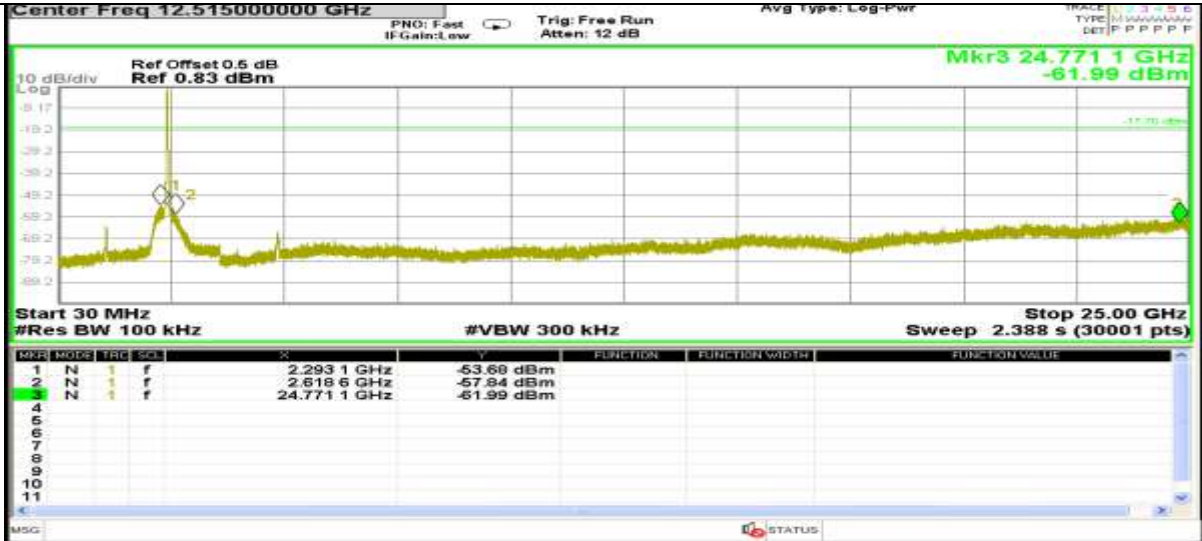




Report No.: AAEMT/RF/230704-01-02

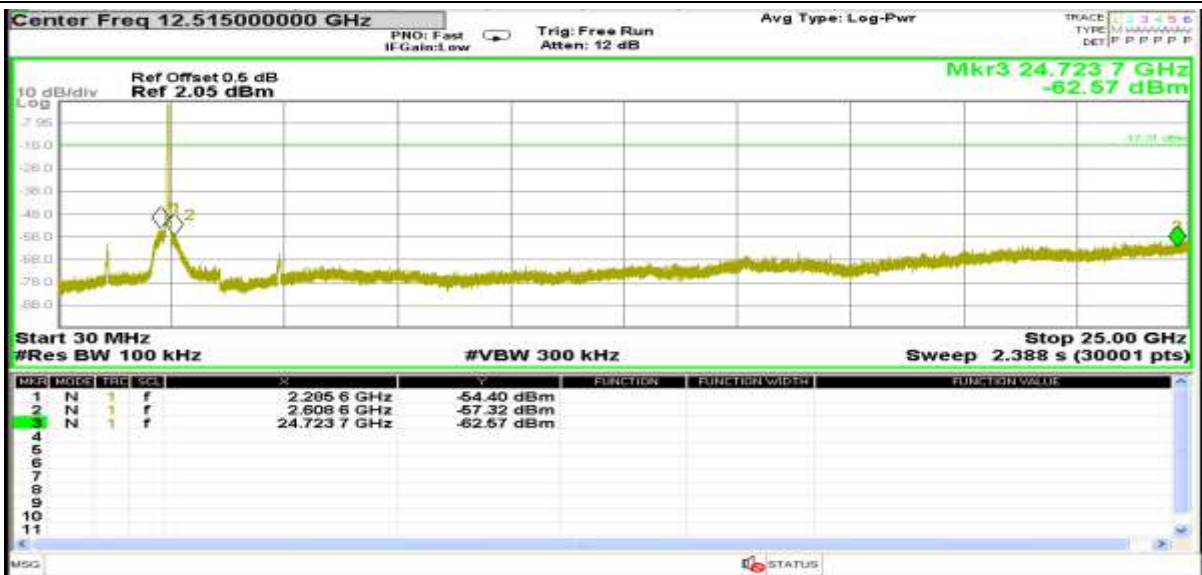
Channel 6: 2.437GHz:

30 MHz to 25 GHz



Channel 9: 2.452GHz:

30 MHz to 25 GHz



**\*\*End of report\*\***