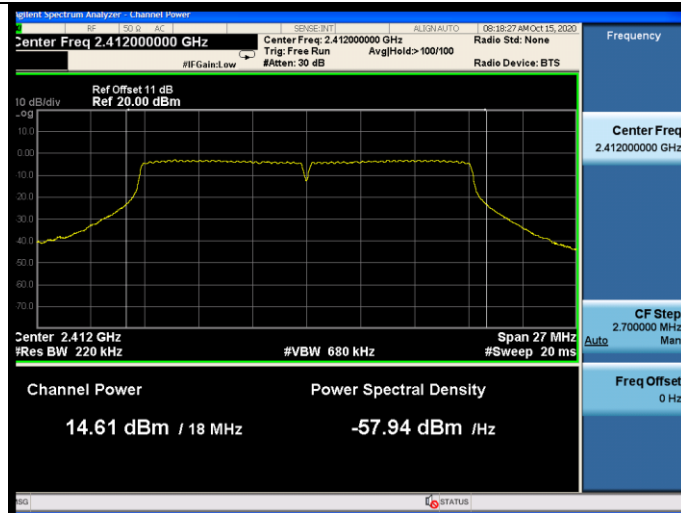


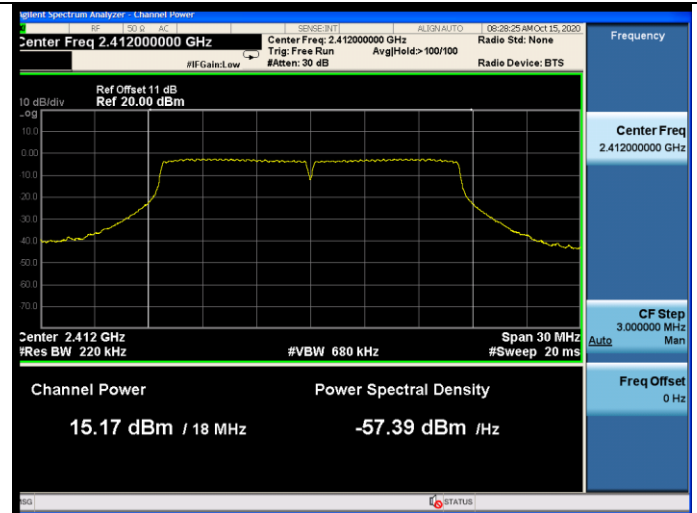
ANTA:

Test Mode: IEEE 802.11g
Test CH1: 2412MHz

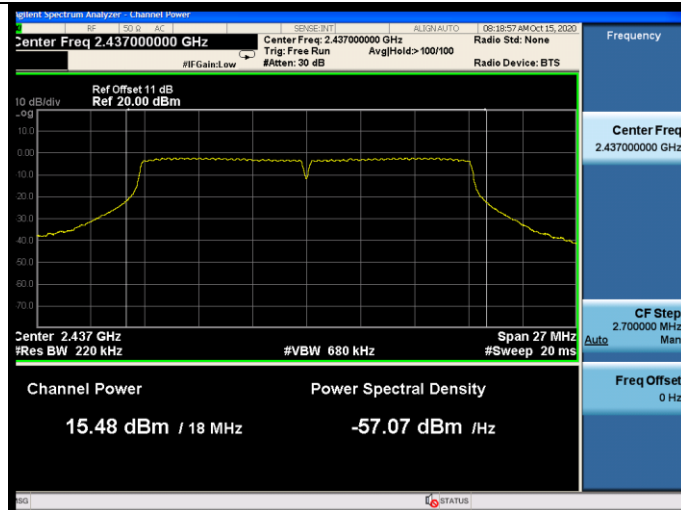


ANTB:

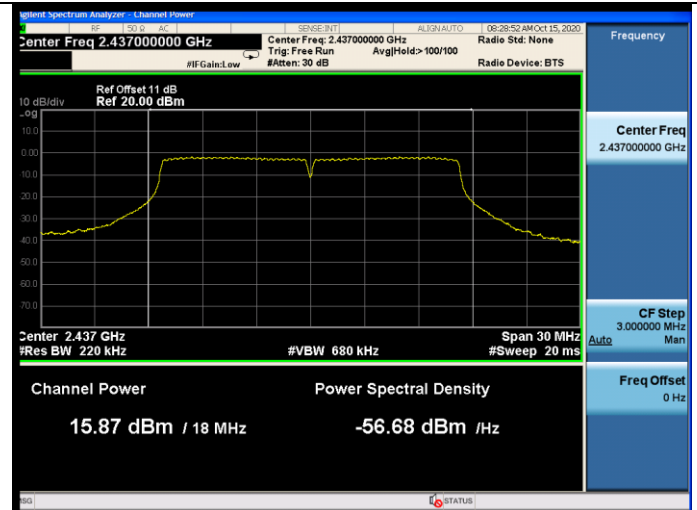
Test Mode: IEEE 802.11g
Test CH1: 2412MHz



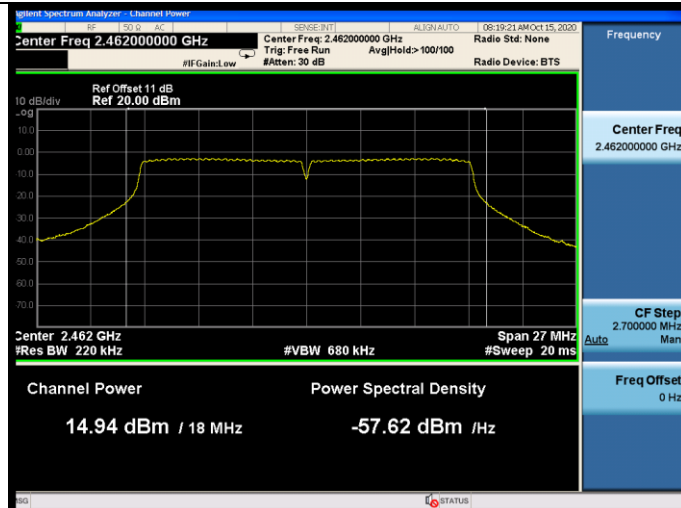
Test CH6: 2437MHz



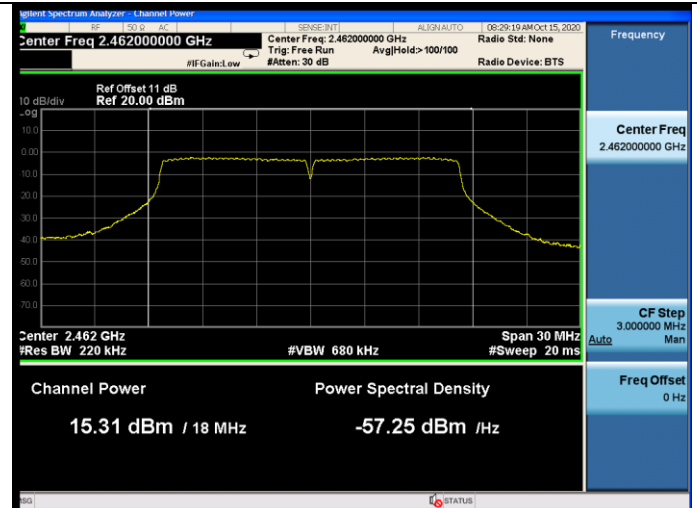
Test CH6: 2437MHz



Test CH11: 2462MHz

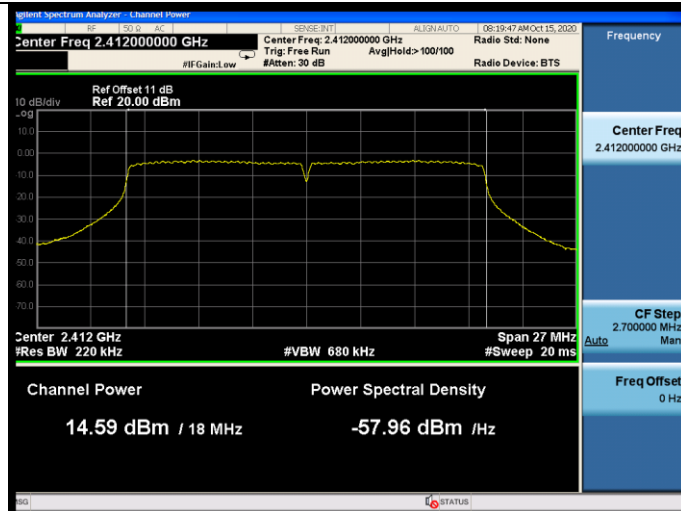


Test CH11: 2462MHz



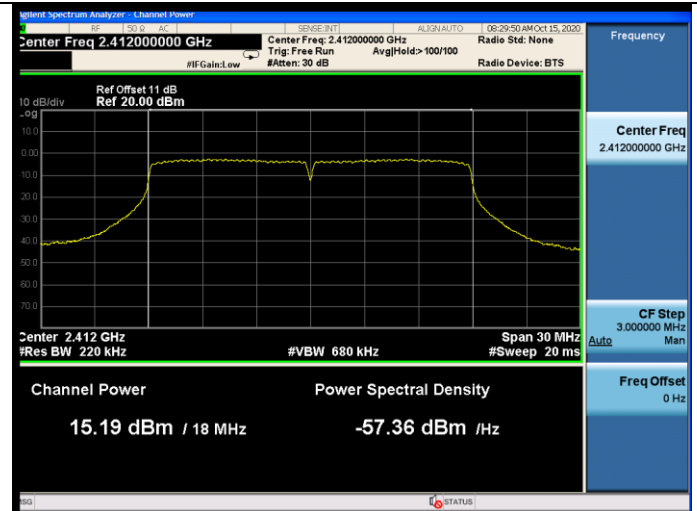
ANTA:

Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz

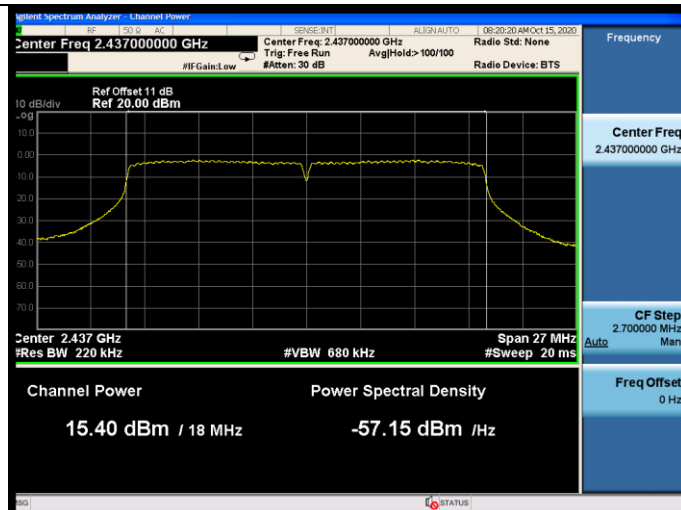


ANTB:

Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz



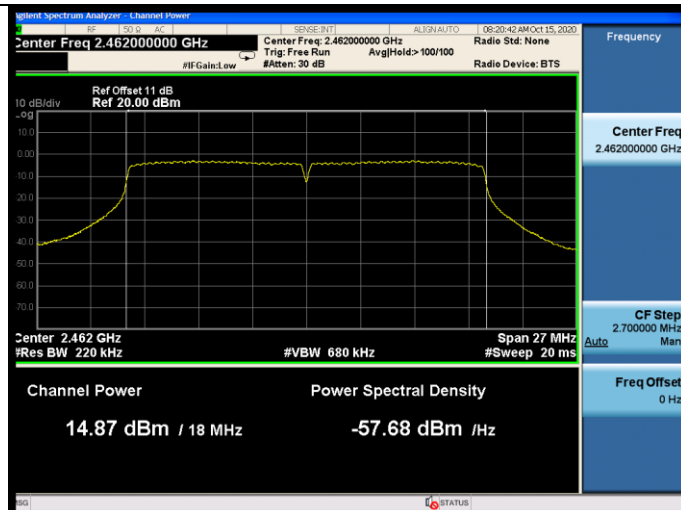
Test CH6: 2437MHz



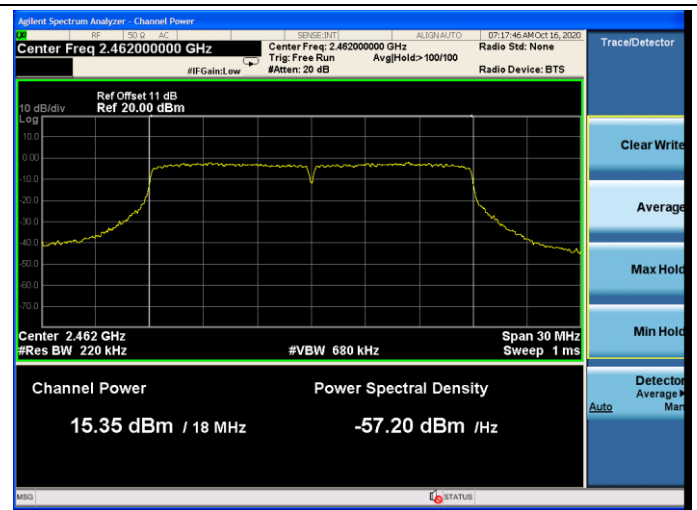
Test CH6: 2437MHz



Test CH11: 2462MHz

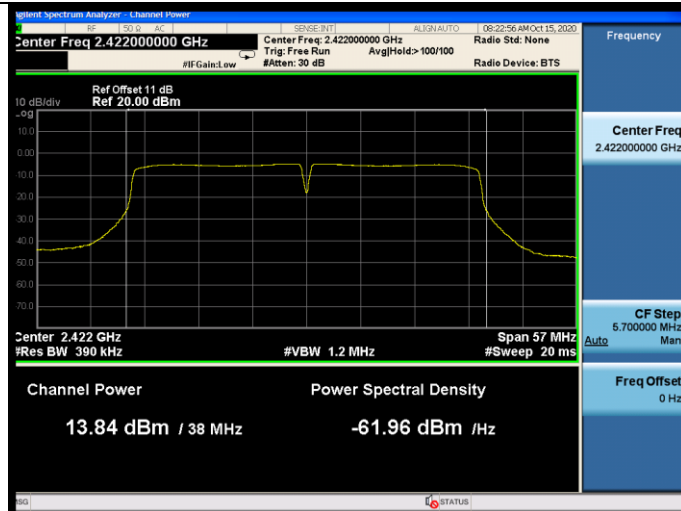


Test CH11: 2462MHz



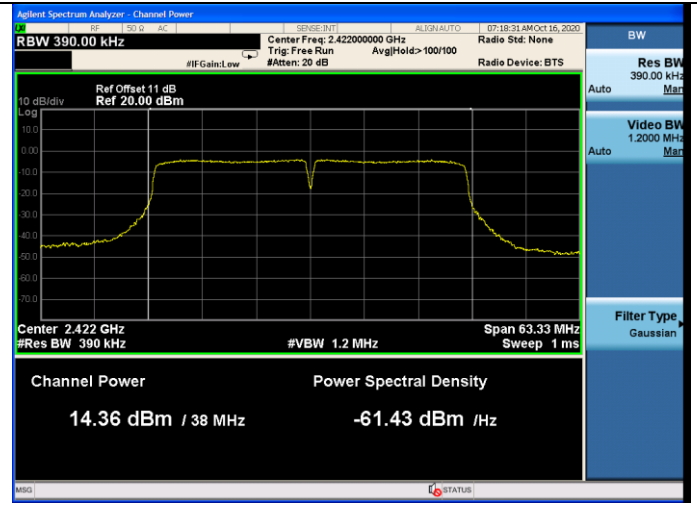
ANTA:

Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz

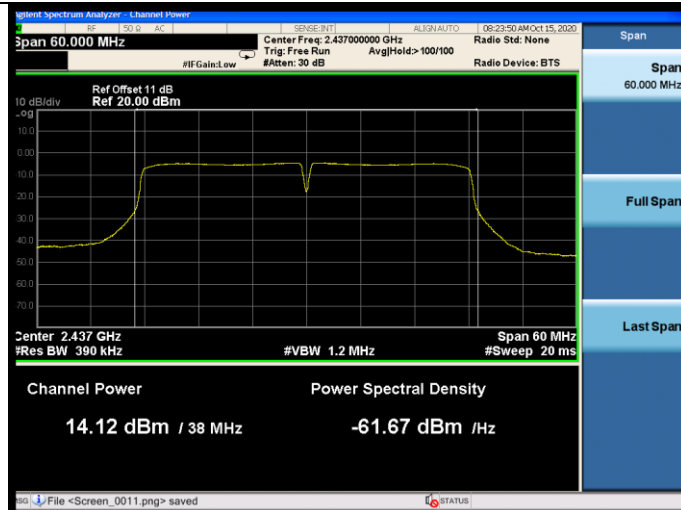


ANTB:

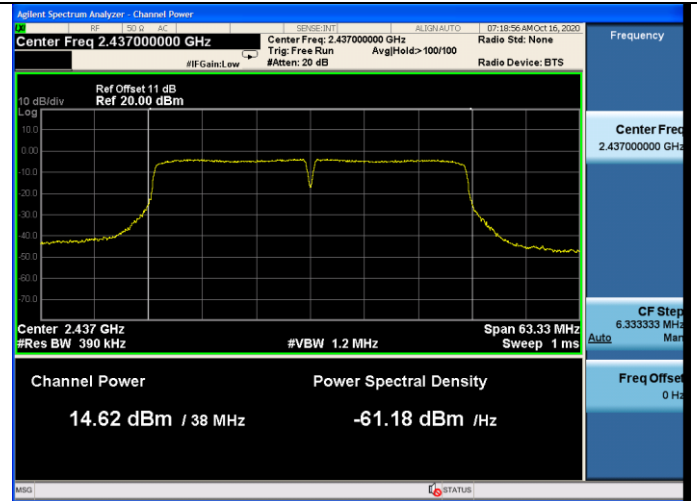
Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz



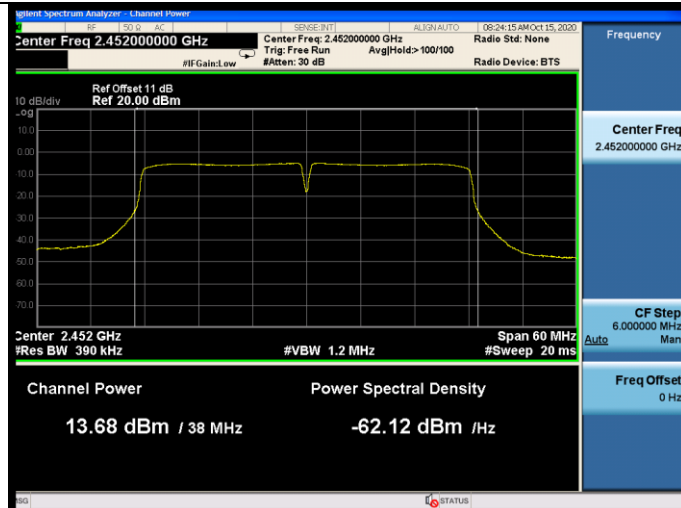
Test CH6: 2437MHz



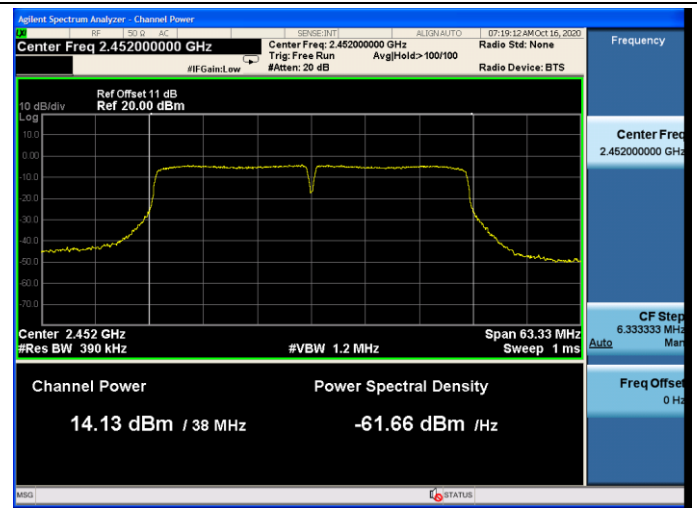
Test CH6: 2437MHz



Test CH9: 2452MHz



Test CH9: 2452MHz



9. POWER SPECTRAL DENSITY TEST

9.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	PXA Signal Analyzer	Agilent	N9030A	MY51380221	Apr.12,20	1 Year
2.	Attenuator	Agilent	8491B	MY39269201	Oct.12,20	1 Year
3.	RF Cable	EMCI	EMC102-KM-KM 3500	170702	Apr.12,20	1 Year

9.2. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

9.3. Test Procedure

- a) Set analyzer center frequency to DTS channel center frequency.
- b) Set the span to 1.5 DTS bandwidth.
- c) Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
- d) Set the VBW $\geq [3 \times \text{RBW}]$.
- e) Detector = peak.
- f) Sweep time = auto couple.
- g) Trace mode = max hold.
- h) Allow trace to fully stabilize.
- i) Use the peak marker function to determine the maximum amplitude level within the RBW.

9.4.Test Results

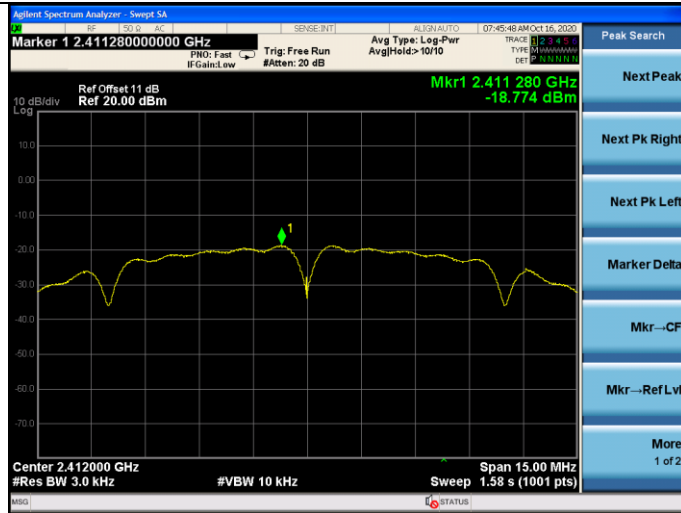
EUT: WiFi module		
M/N: U9W34		
Test date: 2020-10-16	Pressure: 102.3 ±1.0 kpa	Humidity: 53.6 ±3.0%
Tested by: Leo	Test site: RF site	Temperature: 25.5 ±0.6 °C

Test Mode	CH	Power Density (dBm/3kHz)		Limit (dBm/3kHz)
		ANTA	ANTB	
11b	CH1	-18.774	-18.154	8
	CH6	-19.046	-18.494	
	CH11	-19.116	-18.670	
11g	CH1	-13.938	-13.292	8
	CH6	-12.950	-12.870	
	CH11	-13.741	-13.088	
11n HT20	CH1	-13.331	-11.897	8
	CH6	-11.979	-11.503	
	CH11	-13.771	-12.217	
11n HT40	CH3	-16.460	-15.909	8
	CH6	-16.147	-15.068	
	CH9	-15.972	-15.969	

Conclusion: PASS

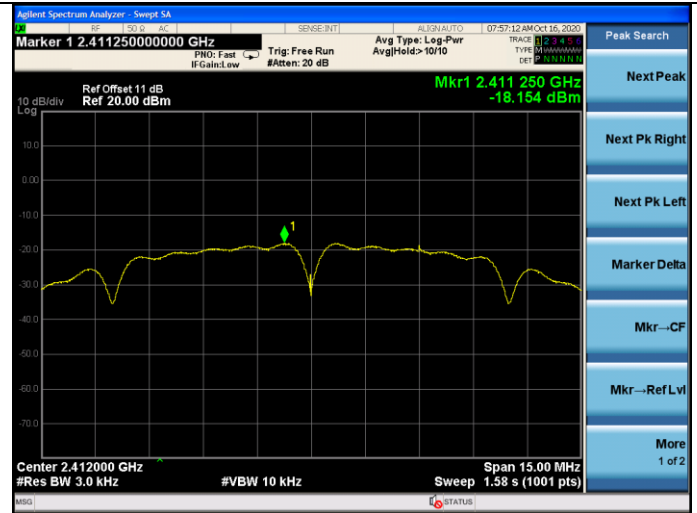
ANTA:

Test Mode: IEEE 802.11b
Test CH1: 2412MHz

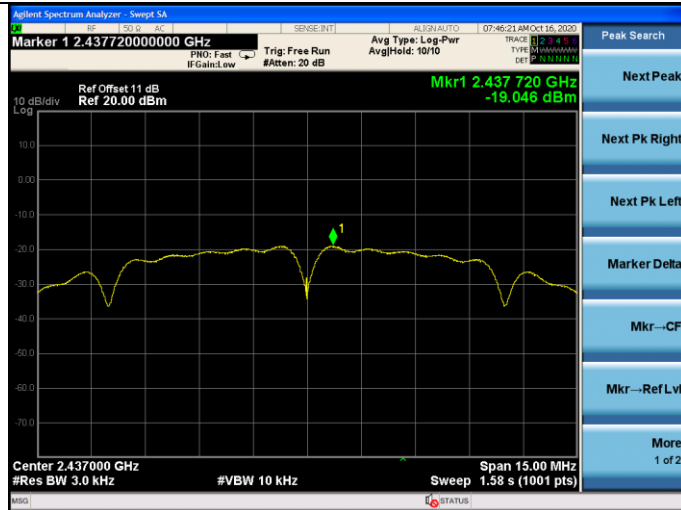


ANTB:

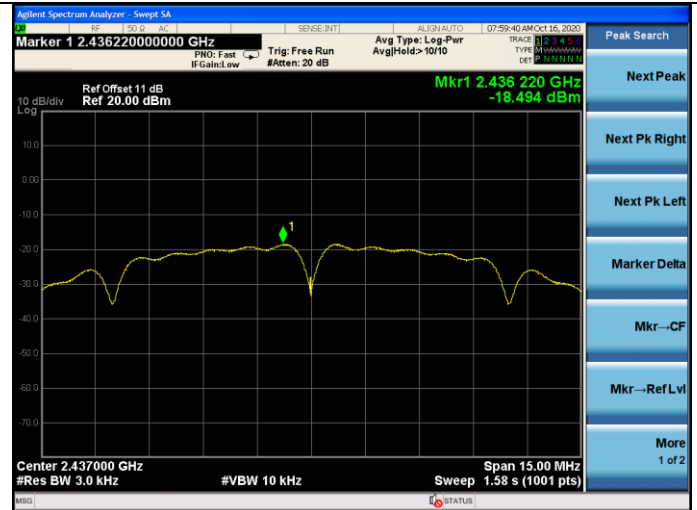
Test Mode: IEEE 802.11b
Test CH1: 2412MHz



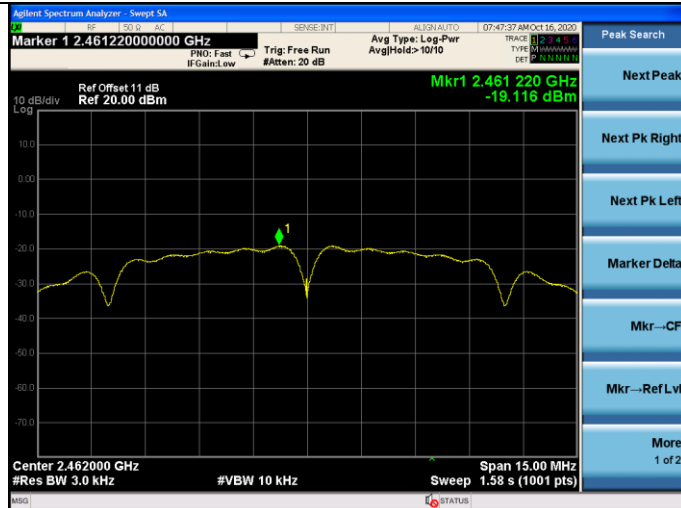
Test CH6: 2437MHz



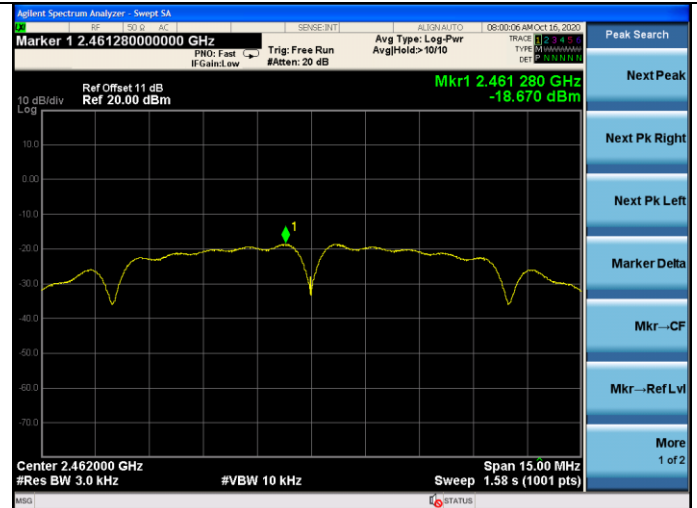
Test CH6: 2437MHz



Test CH11: 2462MHz

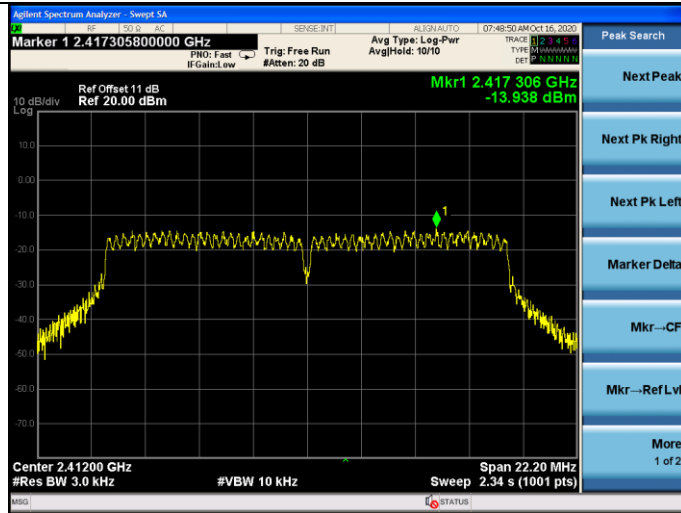


Test CH11: 2462MHz



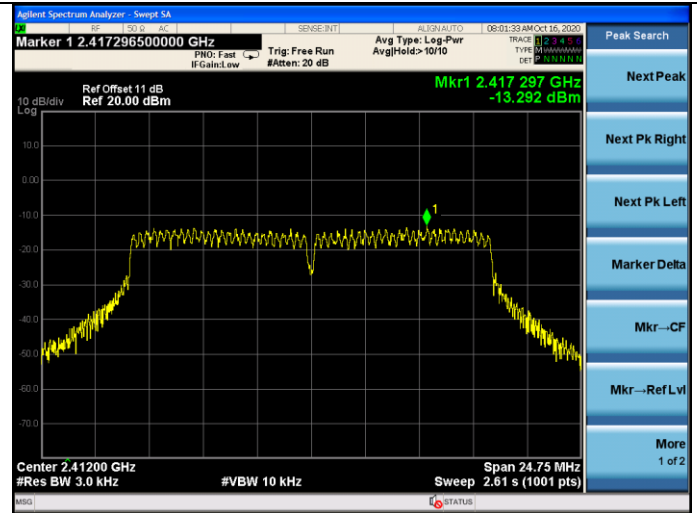
ANTA:

Test Mode: IEEE 802.11g
Test CH1: 2412MHz

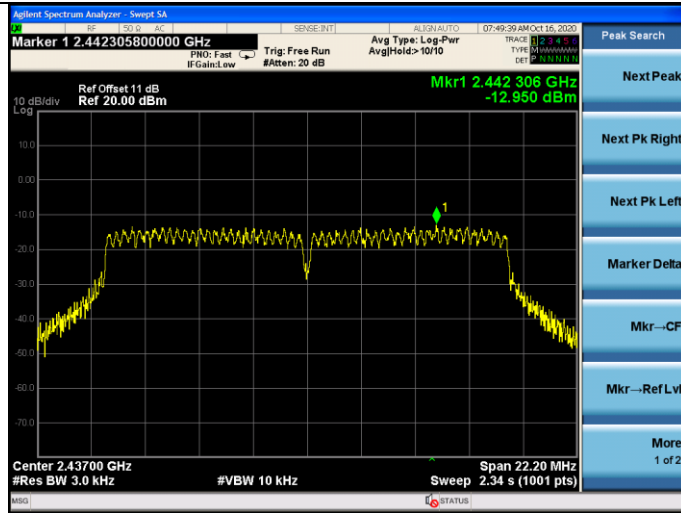


ANTB:

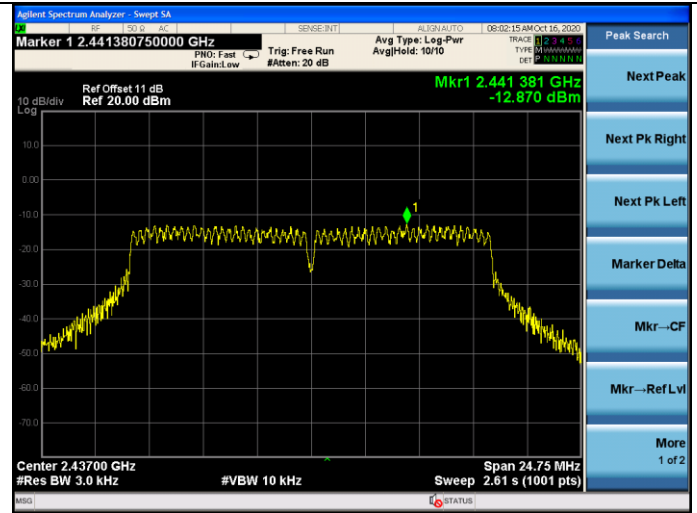
Test Mode: IEEE 802.11g
Test CH1: 2412MHz



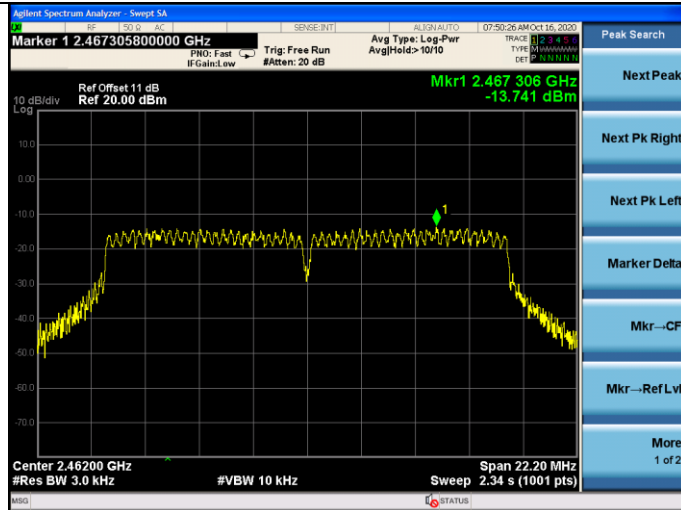
Test CH6: 2437MHz



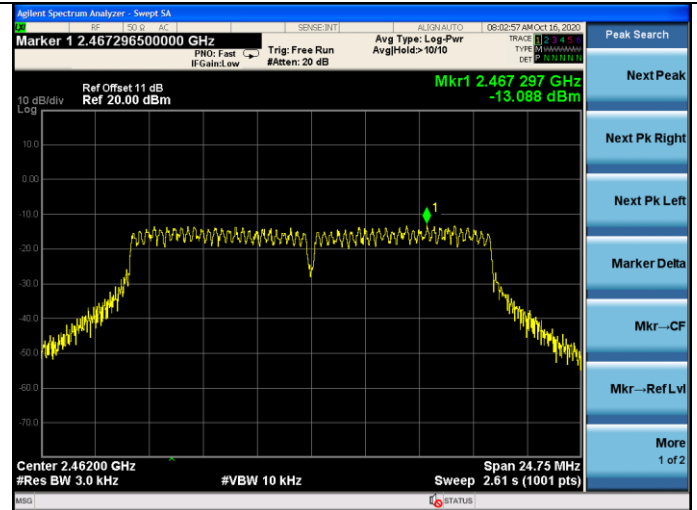
Test CH6: 2437MHz



Test CH11: 2462MHz

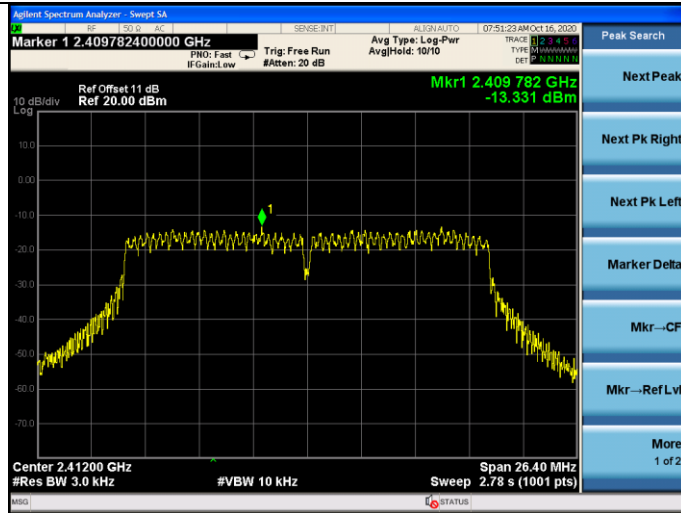


Test CH11: 2462MHz



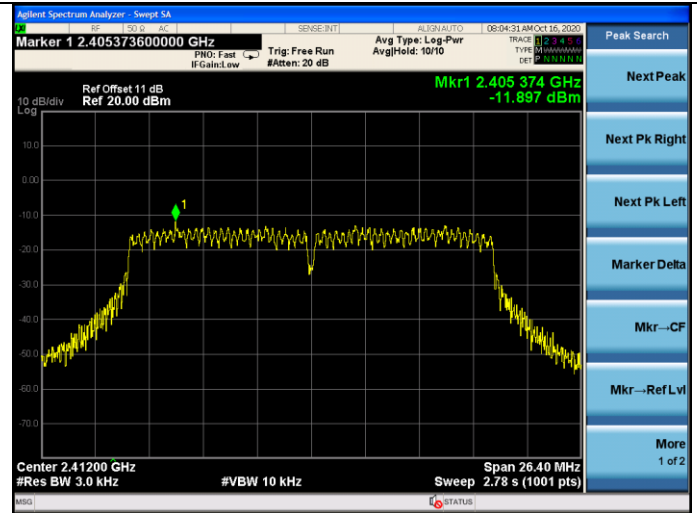
ANTA:

Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz

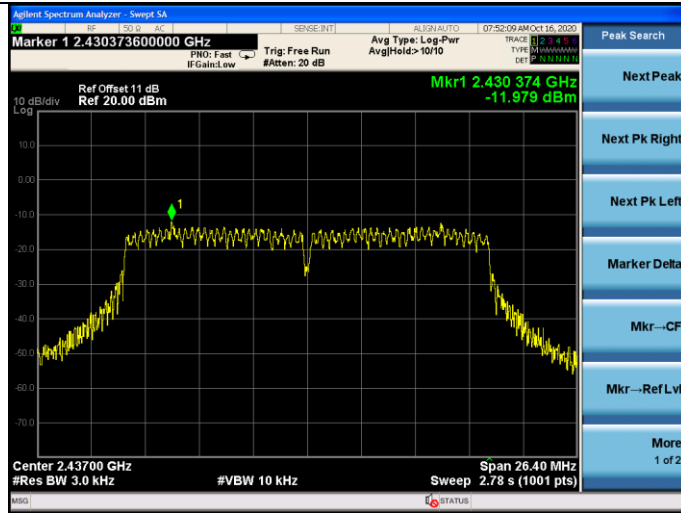


ANTB:

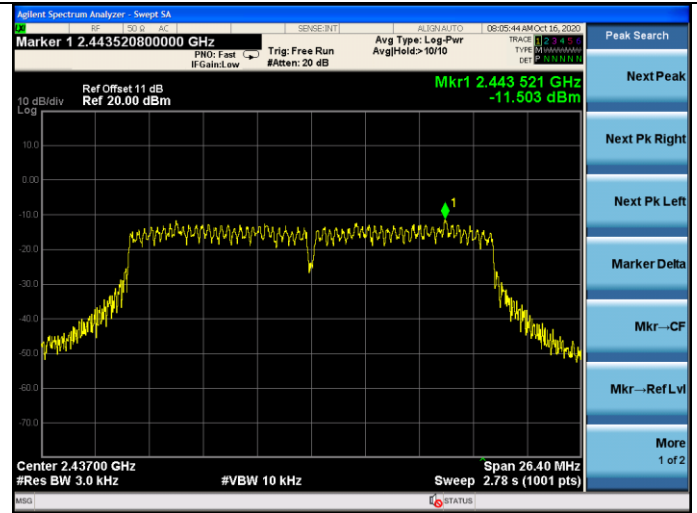
Test Mode: IEEE 802.11n HT20
Test CH1: 2412MHz



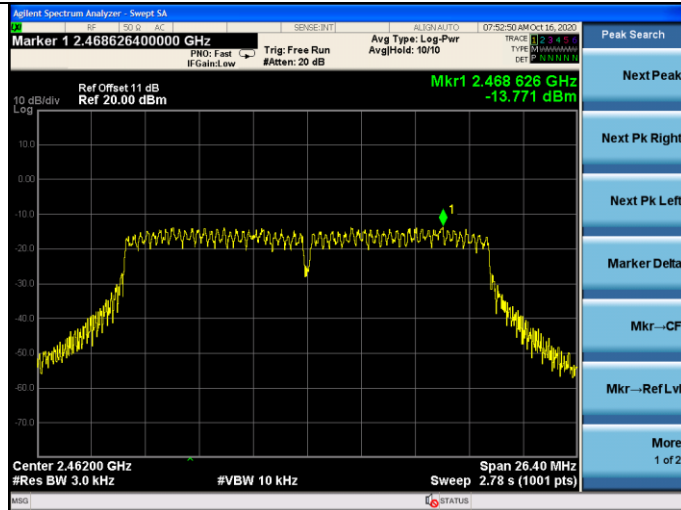
Test CH6: 2437MHz



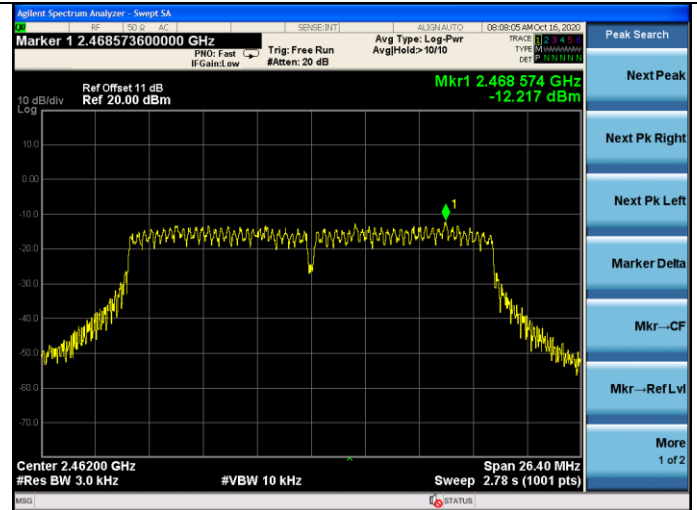
Test CH6: 2437MHz



Test CH11: 2462MHz

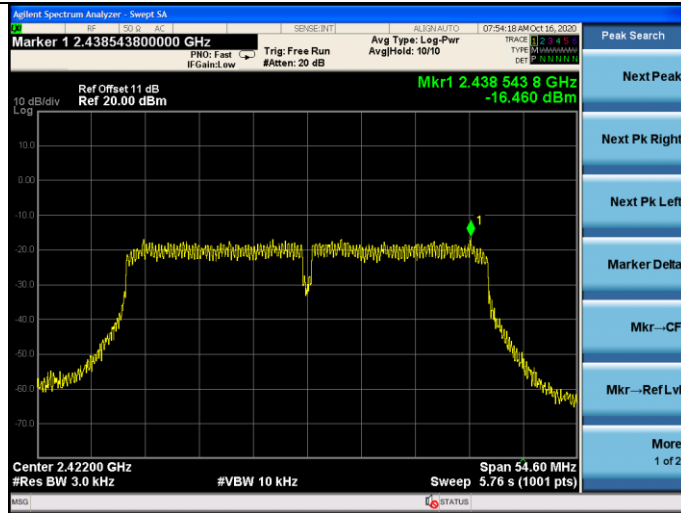


Test CH11: 2462MHz



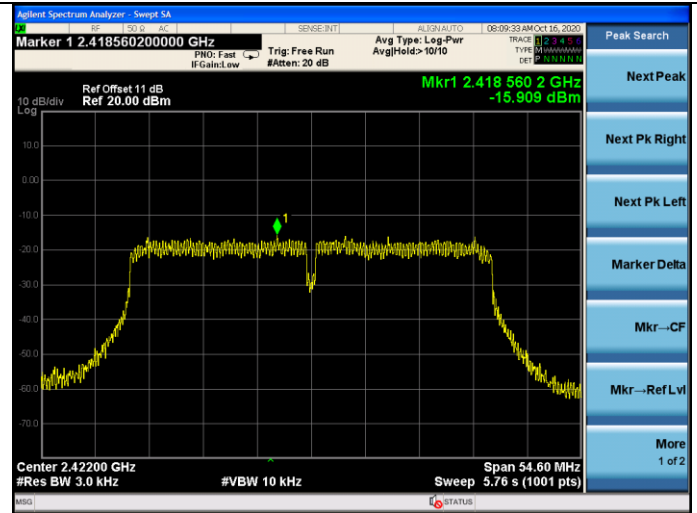
ANTA:

Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz

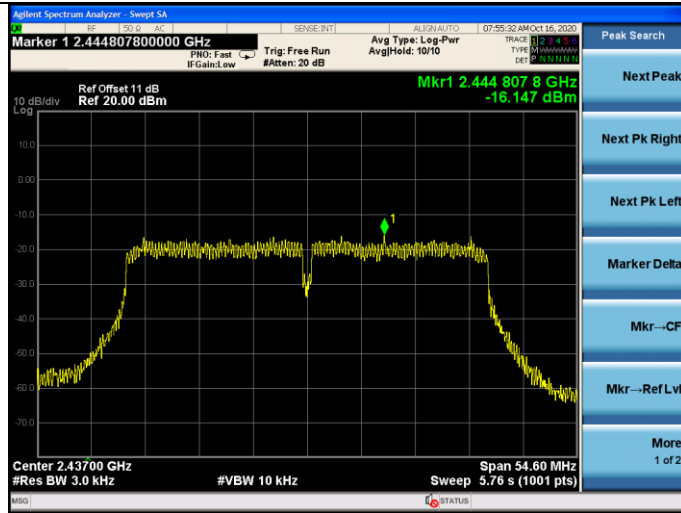


ANTB:

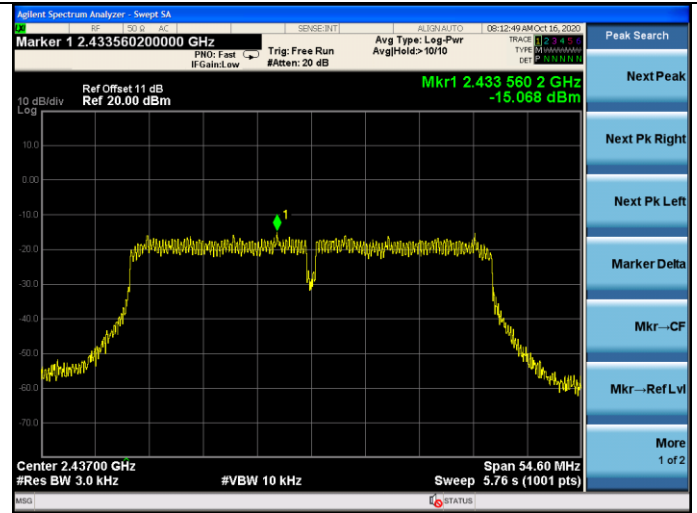
Test Mode: IEEE 802.11n HT40
Test CH3: 2422MHz



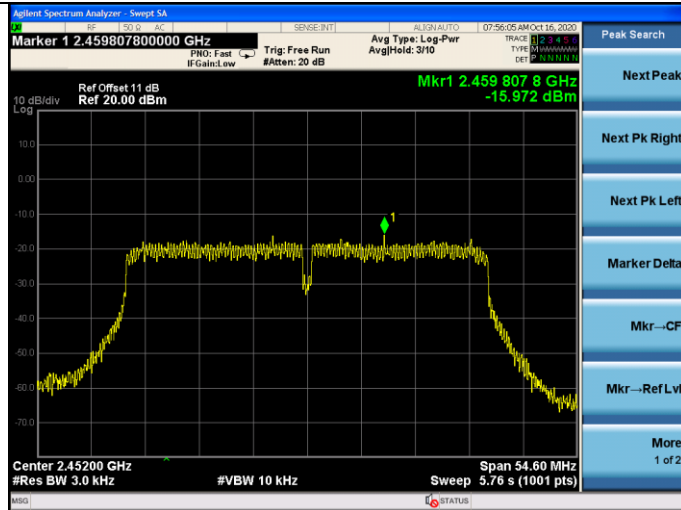
Test CH6: 2437MHz



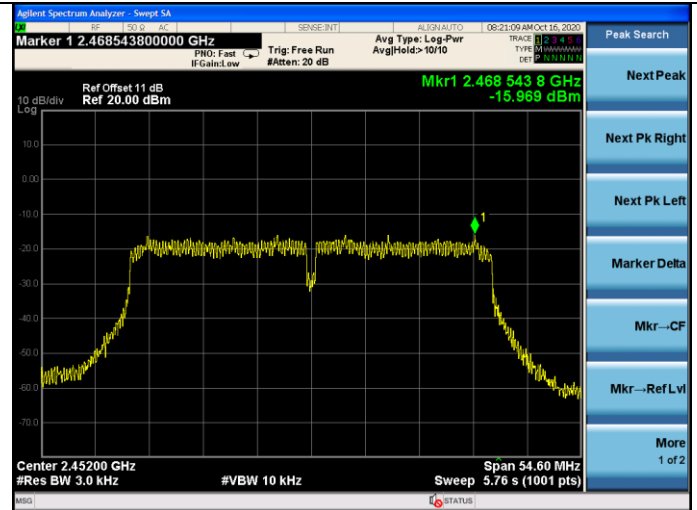
Test CH6: 2437MHz



Test CH9: 2452MHz



Test CH9: 2452MHz



10. ANTENNA REQUIREMENT

10.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. Antenna Connected Construction

The antennas used for this product are monopole antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is ANT A: 2.55dBi & ANT B: 0.94dBi.

11. DEVIATION TO TEST SPECIFICATIONS

[NONE]

..... THE END