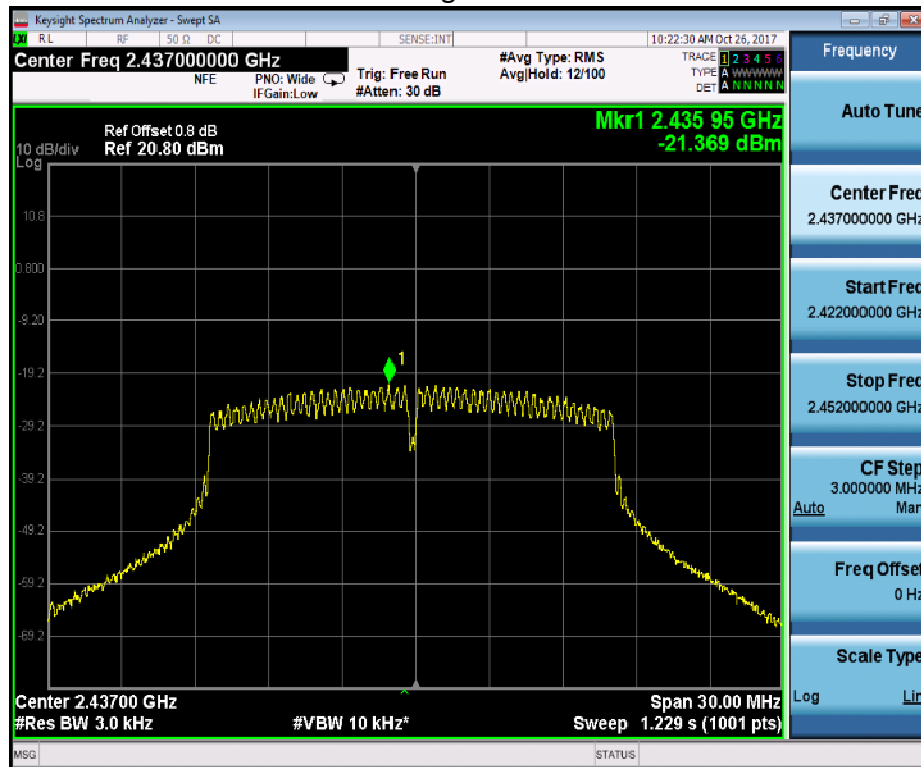
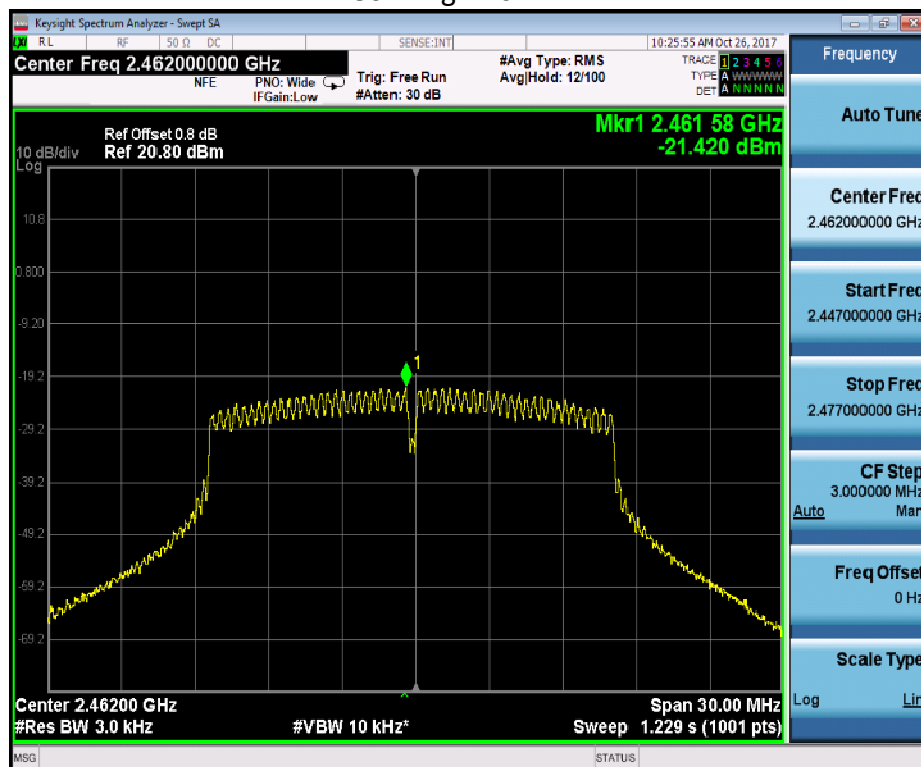


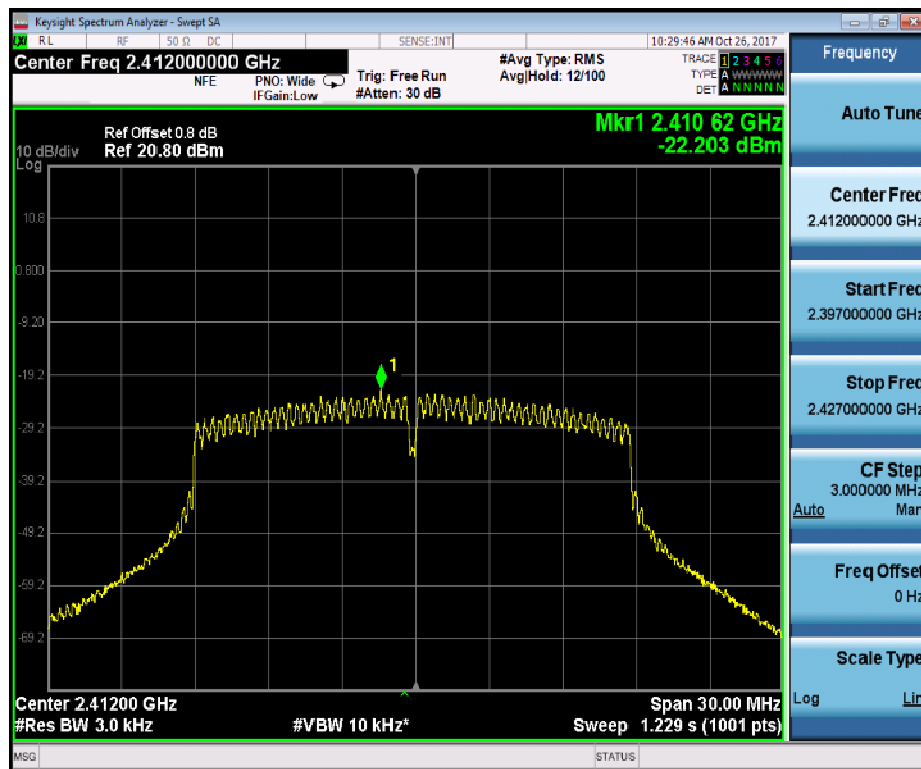
802.11g-2437MHz



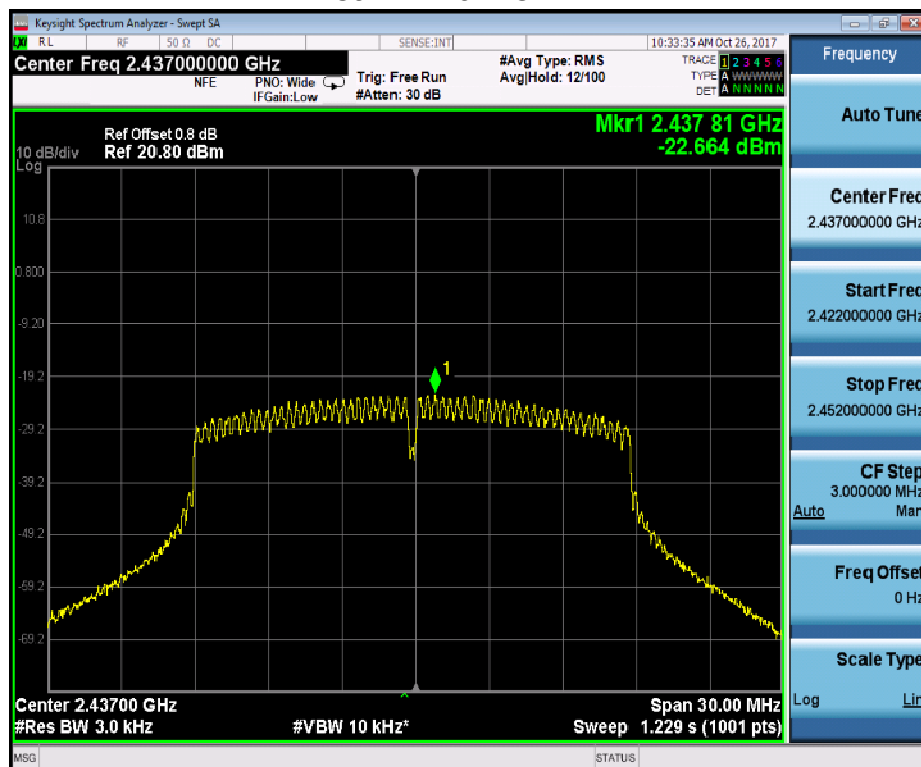
802.11g-2462MHz



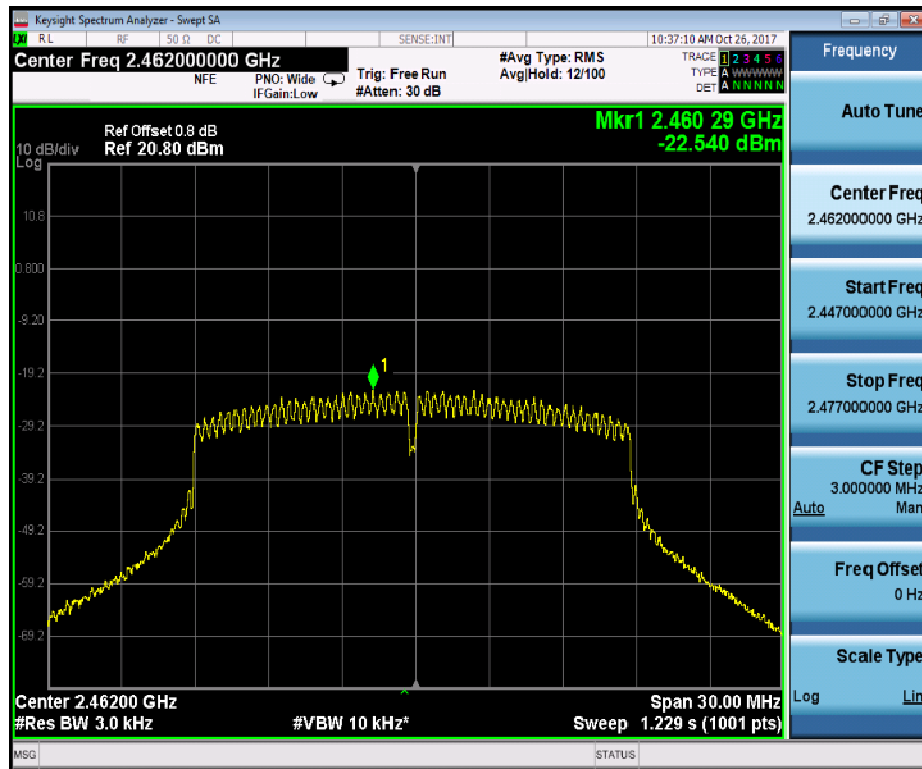
802.11n20-2412MHz



802.11n20-2437MHz



802.11n20-2462MHz



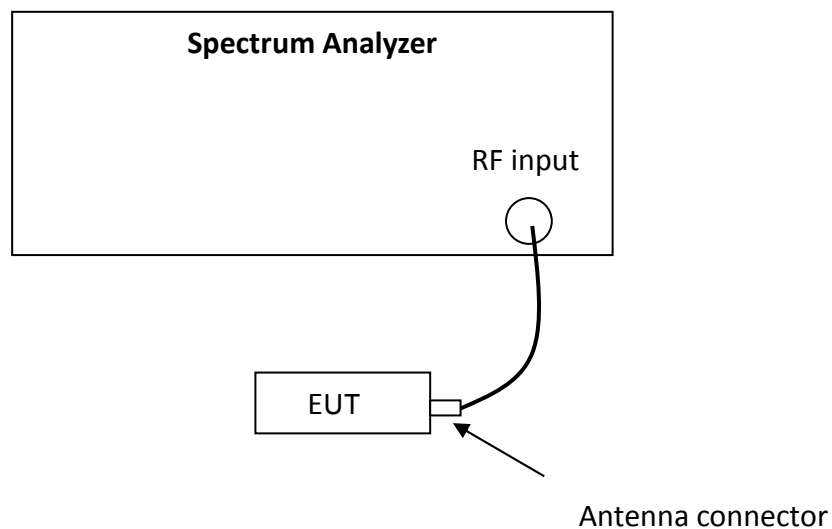
6 Emission outside the frequency band

Test result: Pass

6.1 Test limit

In any 100kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

6.2 Test Configuration



6.3 Test procedure and test setup

The EUT was tested according to DTS test procedure of “KDB558074 D01 DTS Meas Guidance” (clause 11.0) for compliance to FCC 47CFR 15.247 requirements.

Reference level measurement

Establish a reference level by using the following procedure:

- a) Set instrument center frequency to DTS channel center frequency.
- b) Set the span to ≥ 1.5 times the *DTS bandwidth*.
- c) Set the RBW = 100 kHz.
- d) Set the VBW $\geq 3 \times$ 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 PSD level.

Note that the channel found to contain the maximum PSD level can be used to establish the reference level.

Emission level measurement

- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz.
- c) Set the VBW $\geq 3 \times$ RBW.
- d) Detector = peak.
- e) Sweep time = auto couple.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use the peak marker function to determine the maximum amplitude level.

Ensure that the amplitude of all unwanted emissions outside of the authorized frequency band (excluding restricted frequency bands) are attenuated by at least the minimum requirements specified in 11.1 a) or 11.1 b). Report the three highest emissions relative to the limit.

6.4 Test Protocol

Temperature: 25 °C

Relative Humidity: 55 %

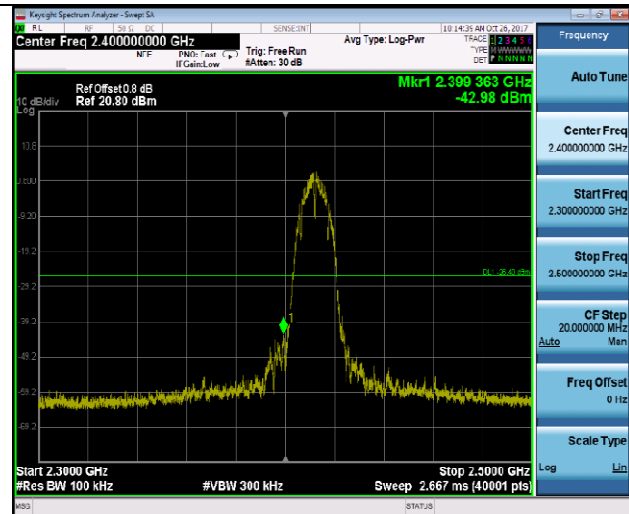
Mode	Test Frequency	Frequency Range	Power(dBm)	Result
802.11b	2412	10000MHz~25000MHz	-52.81	Pass
802.11b	2412	1MHz~2300MHz	-57.50	Pass
802.11b	2412	2500MHz~10000MHz	-52.75	Pass
802.11b	2412	Band Edge	-42.98	Pass
802.11b	2412	Referece Level	-26.40	Pass
802.11b	2437	10000MHz~25000MHz	-51.49	Pass
802.11b	2437	1MHz~2300MHz	-57.03	Pass
802.11b	2437	2500MHz~10000MHz	-53.74	Pass
802.11b	2437	Referece Level	-26.08	Pass
802.11b	2462	10000MHz~25000MHz	-52.27	Pass
802.11b	2462	1MHz~2300MHz	-57.77	Pass
802.11b	2462	2500MHz~10000MHz	-53.69	Pass
802.11b	2462	Band Edge	-54.79	Pass
802.11b	2462	Referece Level	-26.46	Pass
802.11g	2412	10000MHz~25000MHz	-51.70	Pass
802.11g	2412	1MHz~2300MHz	-56.91	Pass
802.11g	2412	2500MHz~10000MHz	-52.90	Pass
802.11g	2412	Band Edge	-32.36	Pass
802.11g	2412	Referece Level	-28.04	Pass
802.11g	2437	10000MHz~25000MHz	-52.29	Pass
802.11g	2437	1MHz~2300MHz	-56.78	Pass
802.11g	2437	2500MHz~10000MHz	-52.17	Pass
802.11g	2437	Referece Level	-28.28	Pass
802.11g	2462	10000MHz~25000MHz	-52.02	Pass
802.11g	2462	1MHz~2300MHz	-57.14	Pass
802.11g	2462	2500MHz~10000MHz	-52.68	Pass
802.11g	2462	Band Edge	-49.68	Pass
802.11g	2462	Referece Level	-27.85	Pass

802.11n	2412	10000MHz~25000MHz	-52.76	Pass
802.11n	2412	1MHz~2300MHz	-50.89	Pass
802.11n	2412	2500MHz~10000MHz	-53.57	Pass
802.11n	2412	Band Edge	-33.85	Pass
802.11n	2412	Referece Level	-28.71	Pass
802.11n	2437	10000MHz~25000MHz	-52.48	Pass
802.11n	2437	1MHz~2300MHz	-57.59	Pass
802.11n	2437	2500MHz~10000MHz	-53.09	Pass
802.11n	2437	Referece Level	-29.08	Pass
802.11n	2462	10000MHz~25000MHz	-52.45	Pass
802.11n	2462	1MHz~2300MHz	-58.10	Pass
802.11n	2462	2500MHz~10000MHz	-53.11	Pass
802.11n	2462	Band Edge	-51.53	Pass
802.11n	2462	Referece Level	-28.76	Pass

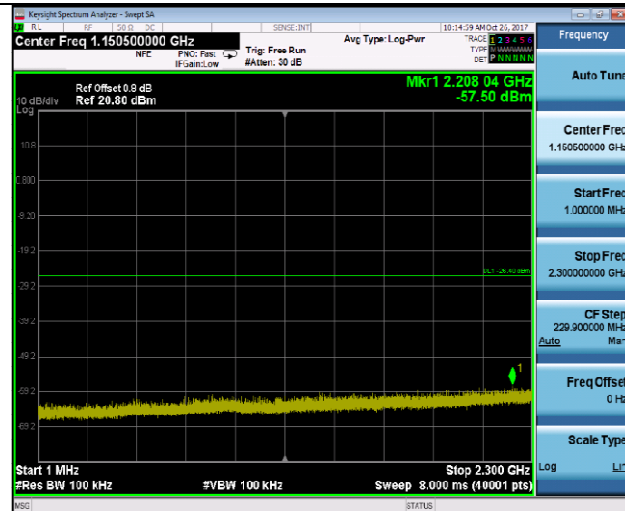
Conducted Emission,Reference Level :
802.11b,2412MHz,1



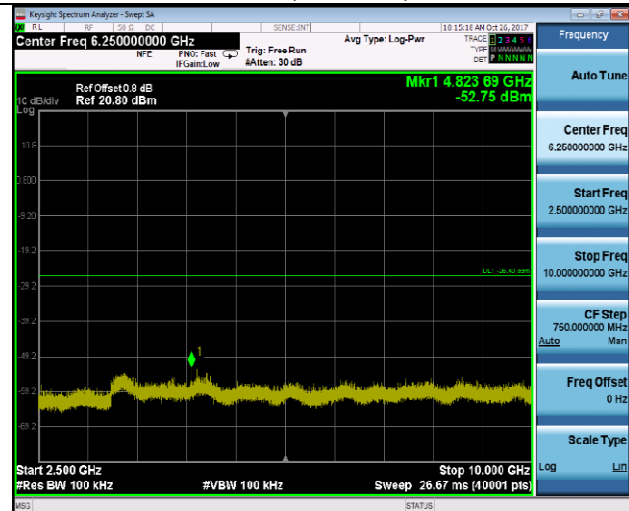
Conducted Emission,Band Edge : 802.11b,2412MHz,1



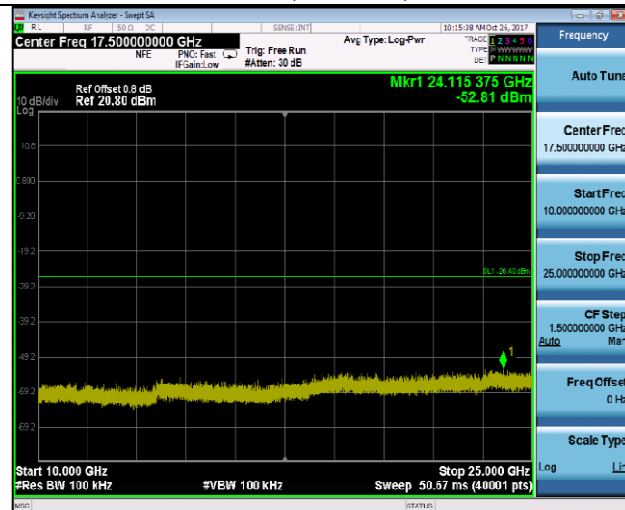
Conducted Emission,1MHz~2300 : 802.11b,2412MHz,1



Conducted Emission,2500MHz~10000 :
802.11b,2412MHz,1



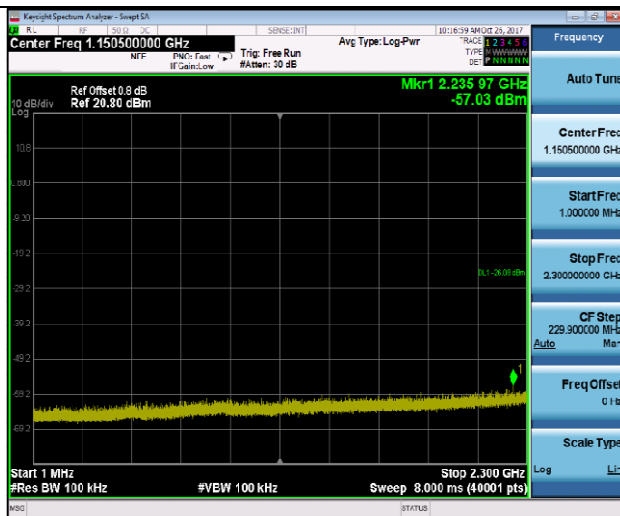
Conducted Emission,10000MHz~25000 :
802.11b,2412MHz,1



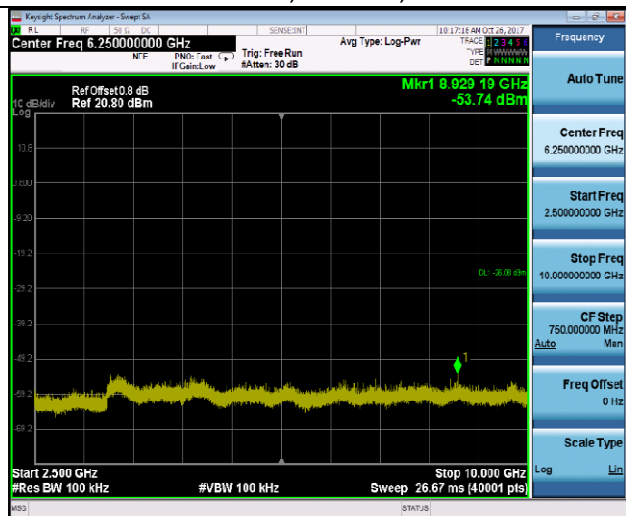
Conducted Emission,Reference Level :
802.11b,2437MHz,1



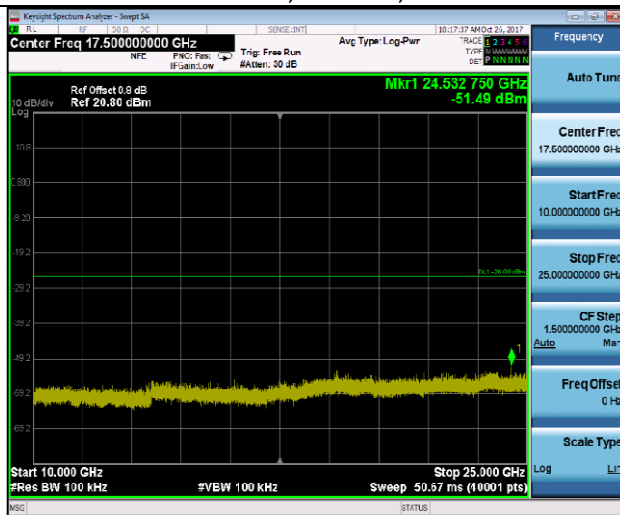
Conducted Emission,1MHz~2300 : 802.11b,2437MHz,1



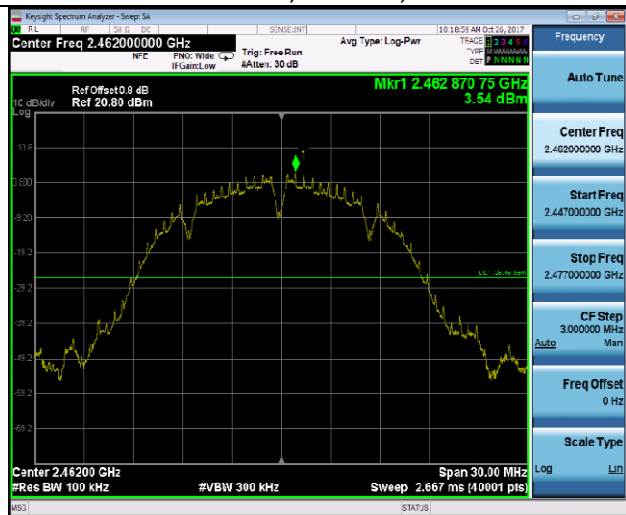
Conducted Emission,2500MHz~10000 : 802.11b,2437MHz,1



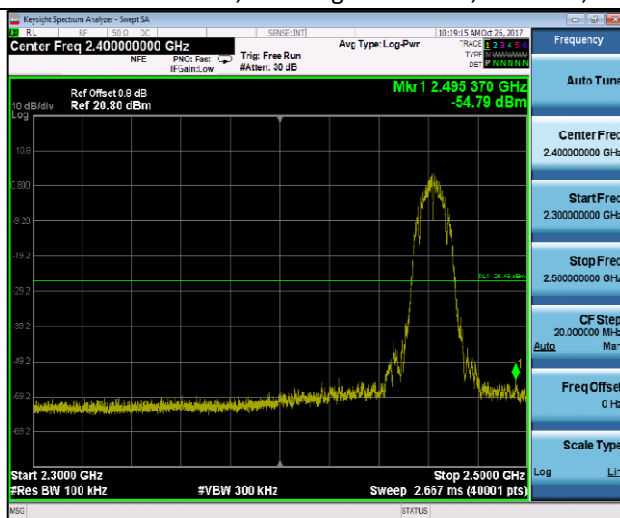
Conducted Emission,10000MHz~25000 : 802.11b,2437MHz,1



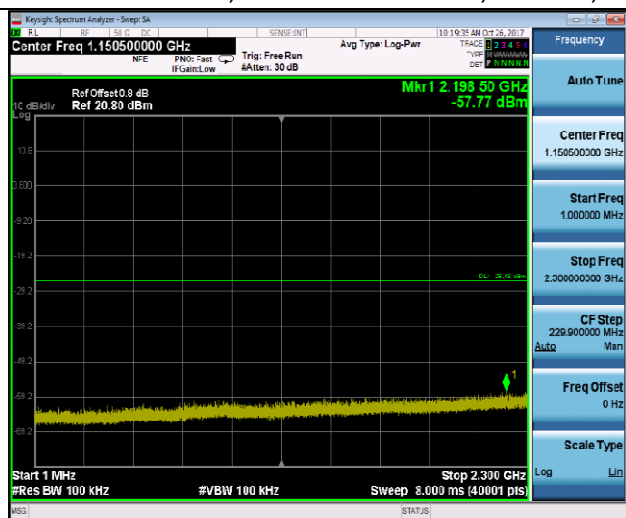
Conducted Emission,Reference Level : 802.11b,2462MHz,1



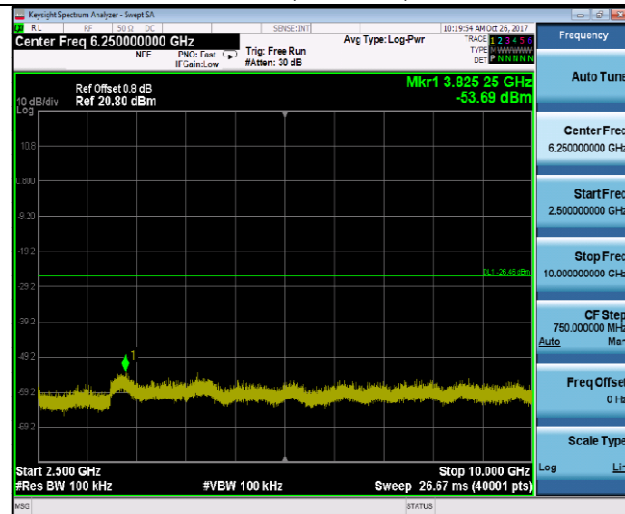
Conducted Emission,Band Edge : 802.11b,2462MHz,1



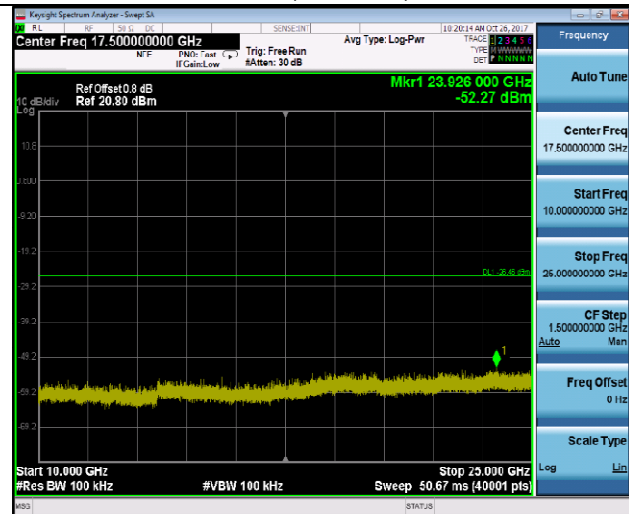
Conducted Emission,1MHz~2300 : 802.11b,2462MHz,1



Conducted Emission,2500MHz~10000 :
802.11b,2462MHz,1



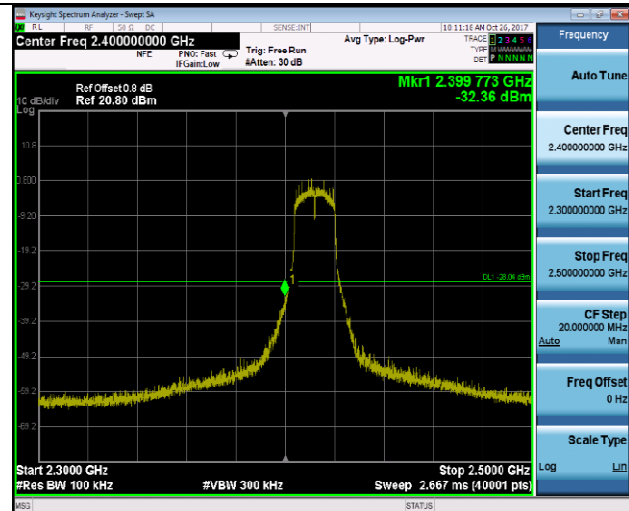
Conducted Emission,10000MHz~25000 :
802.11b,2462MHz,1



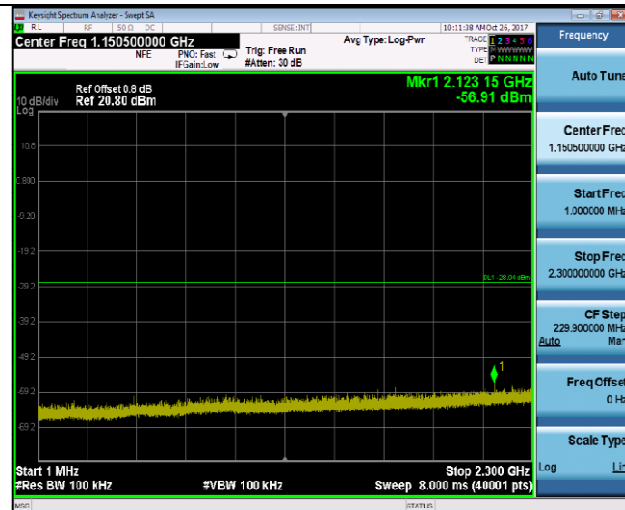
Conducted Emission,Referece Level :
802.11g,2412MHz,6



Conducted Emission,Band Edge : 802.11g,2412MHz,6



Conducted Emission,1MHz~2300 : 802.11g,2412MHz,6



Conducted Emission,2500MHz~10000 :
802.11g,2412MHz,6

