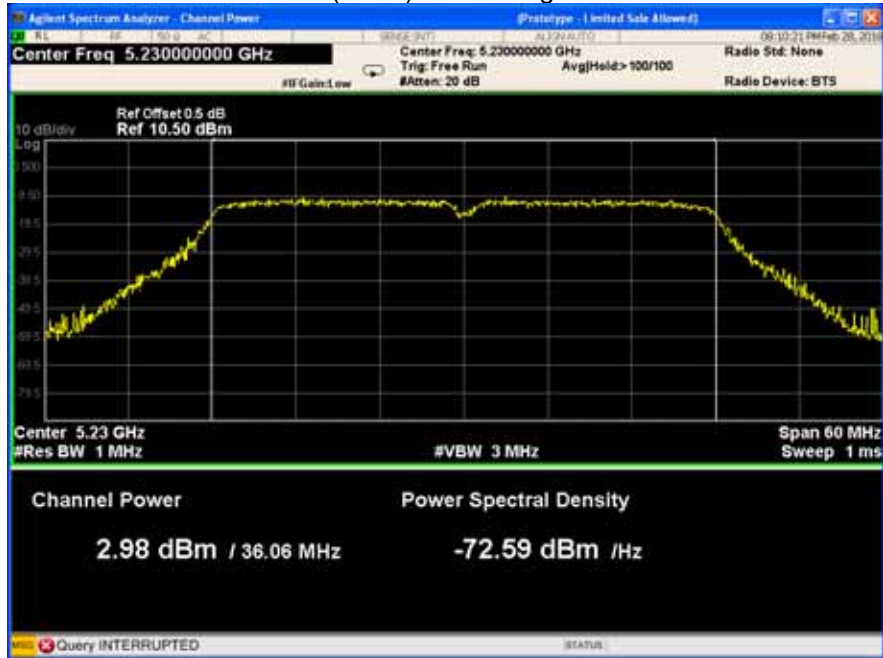
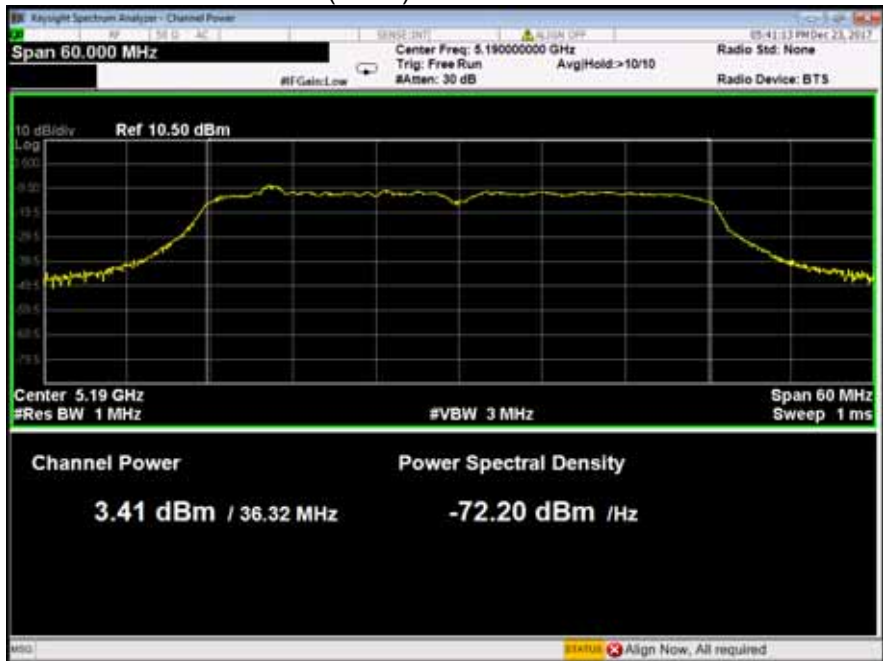


802.11ac(HT40) U-NII-1 High channel



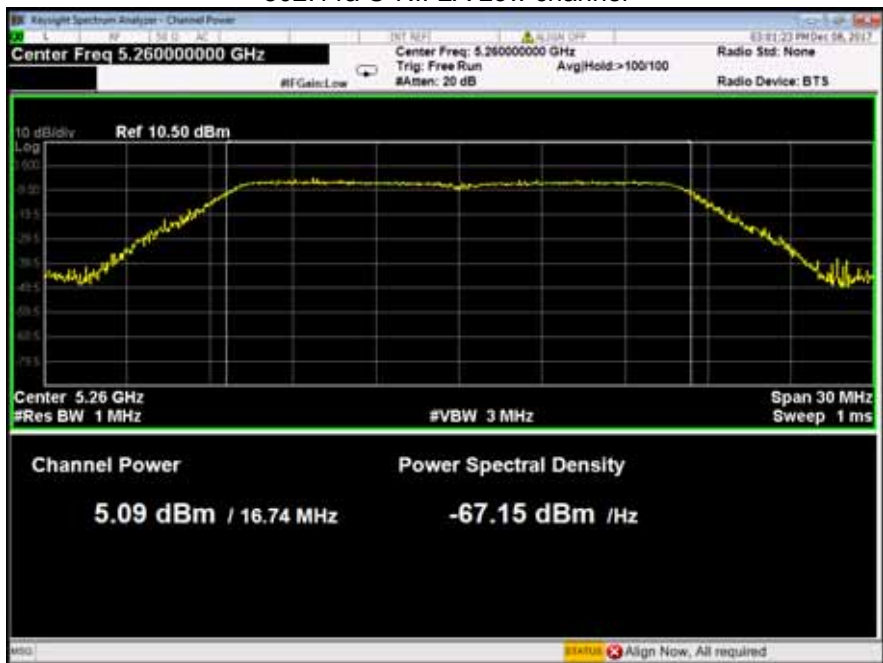
802.11n(HT40) U-NII-1 Low channel



802.11n(HT40) U-NII-1 High channel



802.11a U-NII-2A Low channel



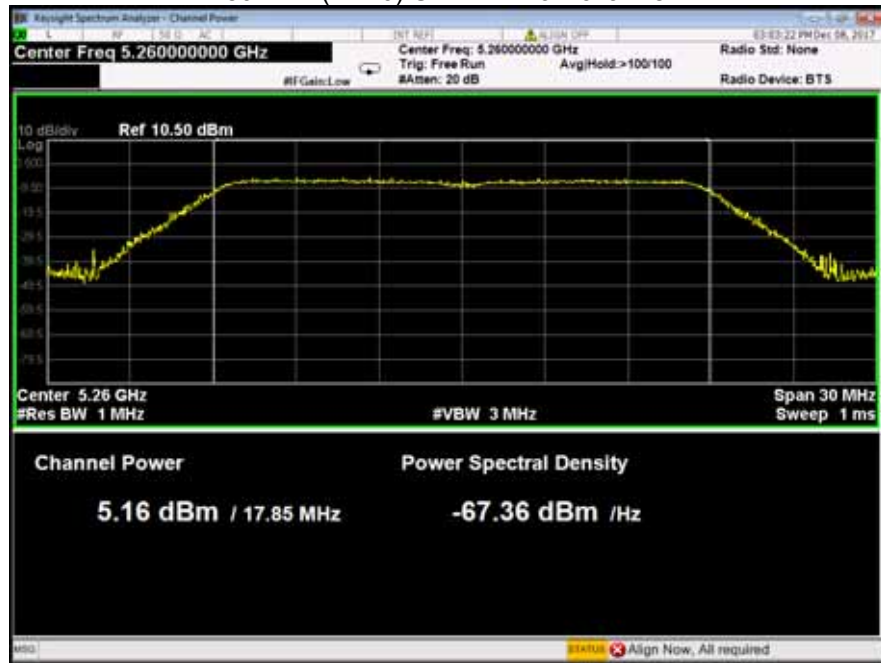
802.11a U-NII-2A Middle channel



802.11a U-NII-2A High channel



802.11n(HT20) U-NII-2A Low channel



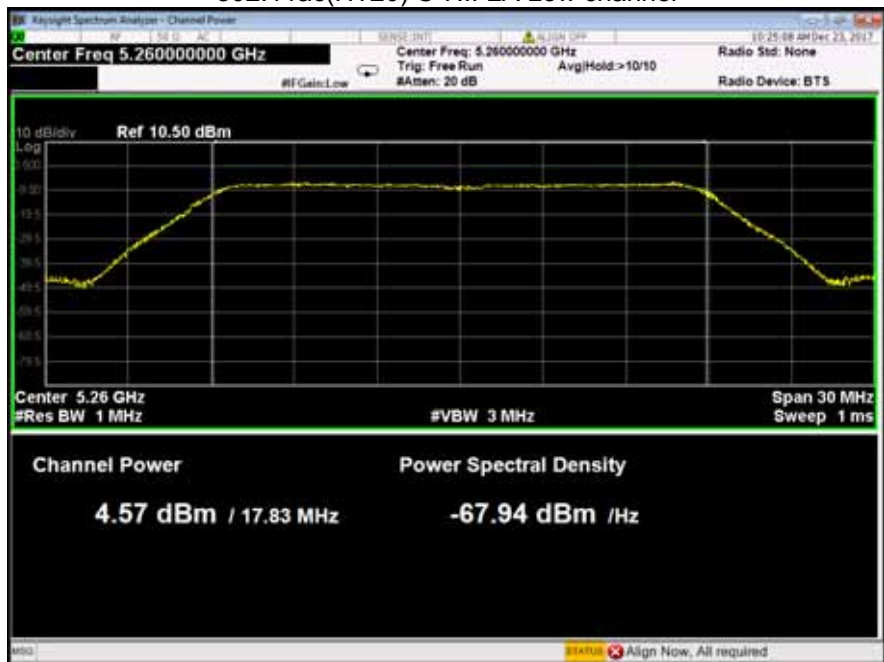
802.11n(HT20) U-NII-2A Middle channel



802.11n(HT20) U-NII-2A High channel



802.11ac(HT20) U-NII-2A Low channel



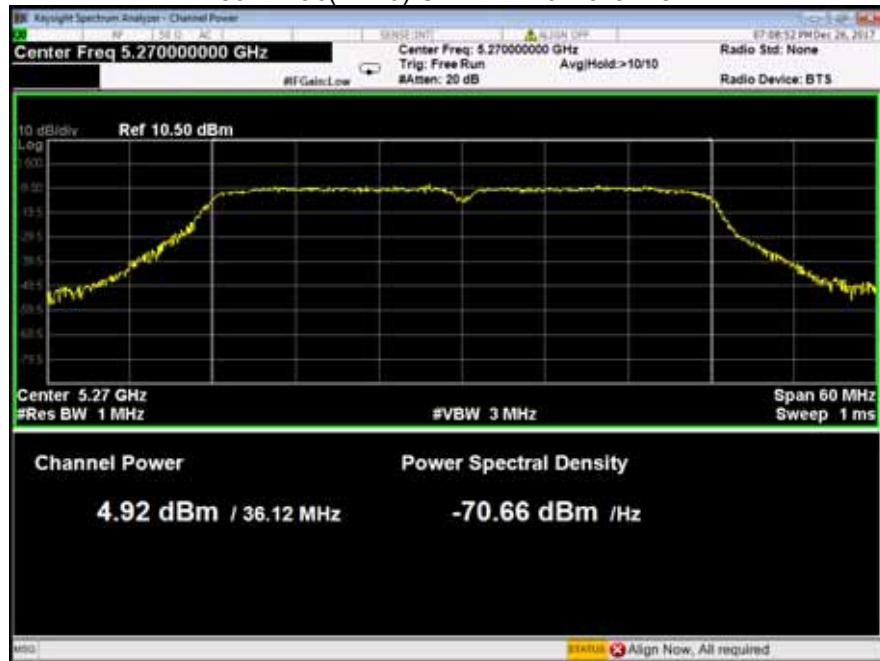
802.11ac(HT20) U-NII-2A Middle channel



802.11ac(HT20) U-NII-2A High channel



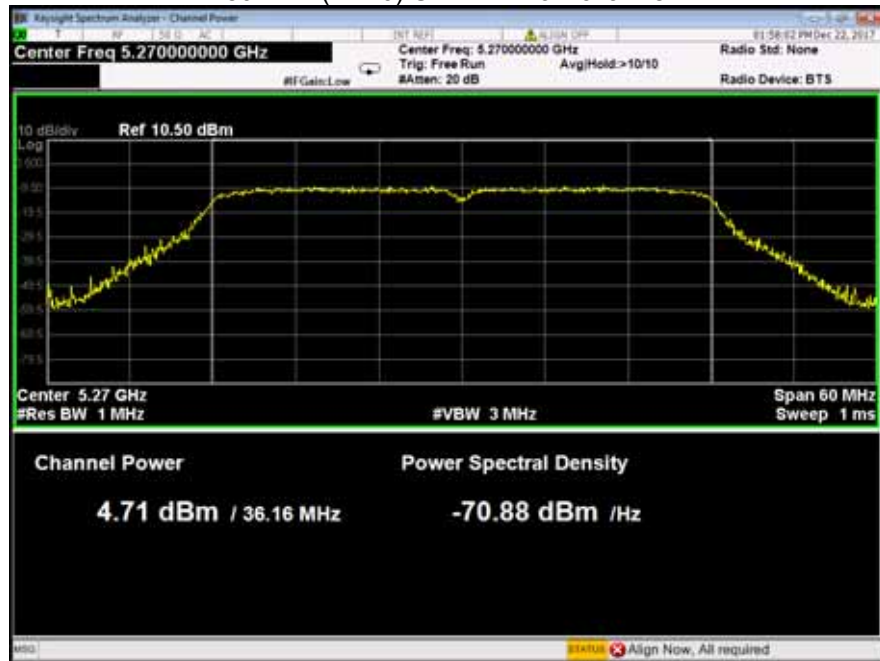
802.11ac(HT40) U-NII-2A Low channel



802.11ac(HT40) U-NII-2A High channel



802.11n(HT40) U-NII-2A Low channel

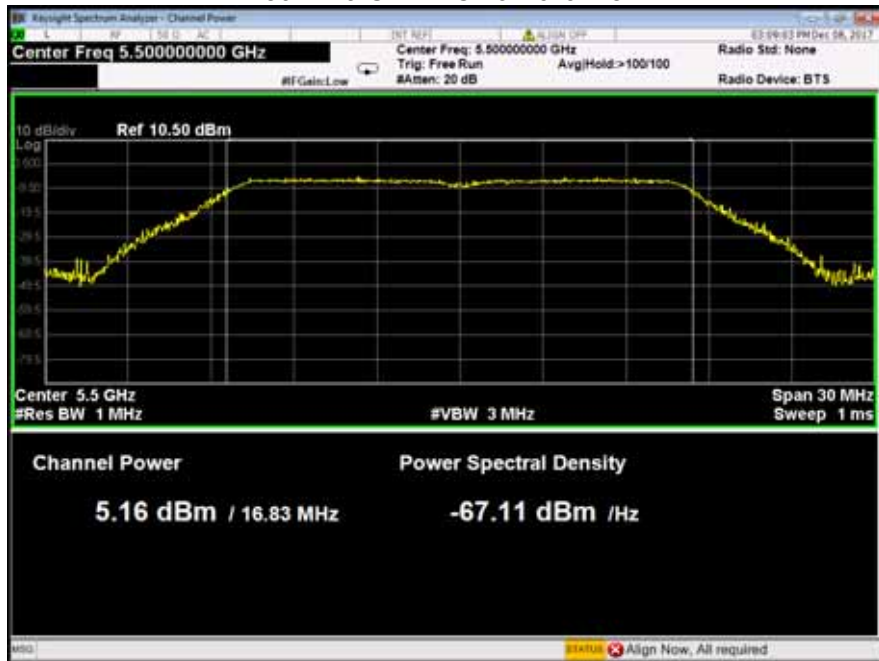


802.11n(HT40) U-NII-2A High channel





802.11a U-NII-2C Low channel



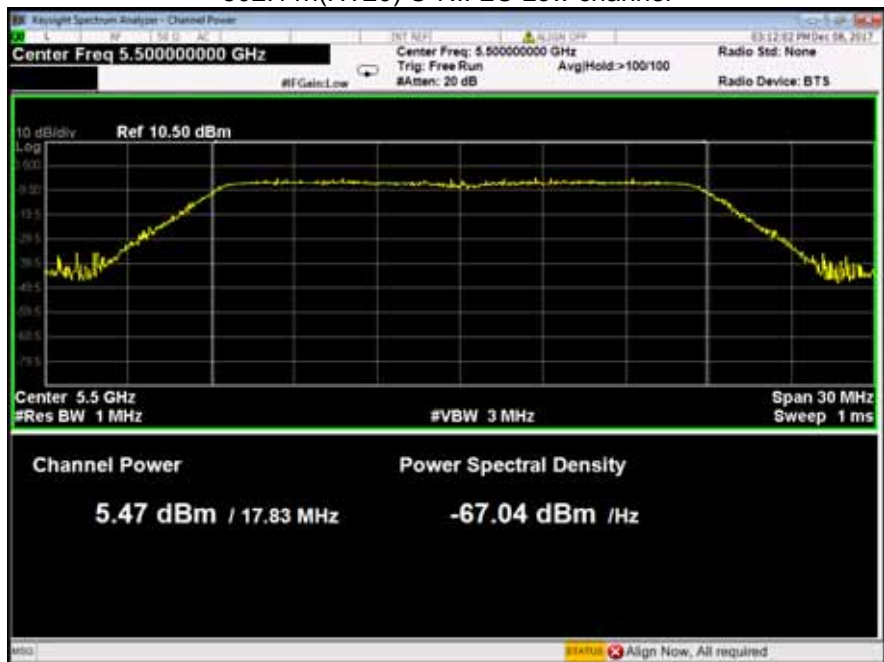
802.11a U-NII-2C Middle channel



802.11a U-NII-2C High channel



802.11n(HT20) U-NII-2C Low channel



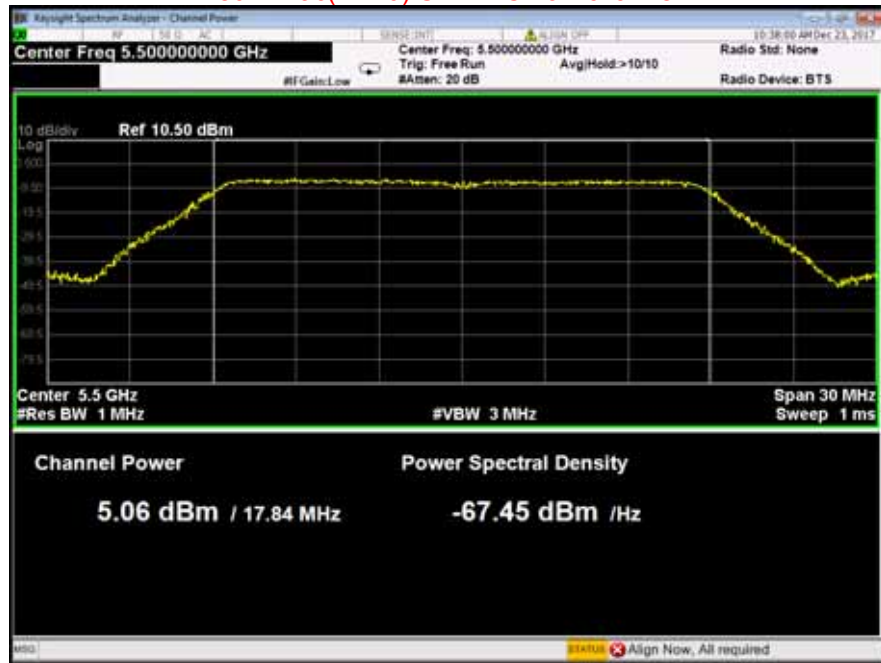
802.11n(HT20) U-NII-2C Middle channel



802.11n(HT20) U-NII-2C High channel



802.11ac(HT20) U-NII-2C Low channel



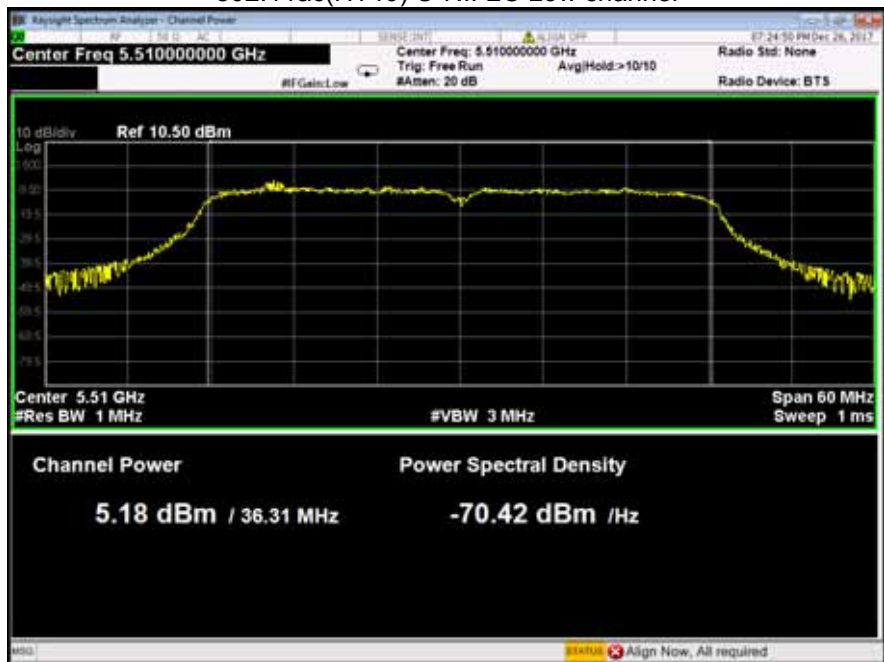
802.11ac(HT20) U-NII-2C Middle channel



802.11ac(HT20) U-NII-2C High channel



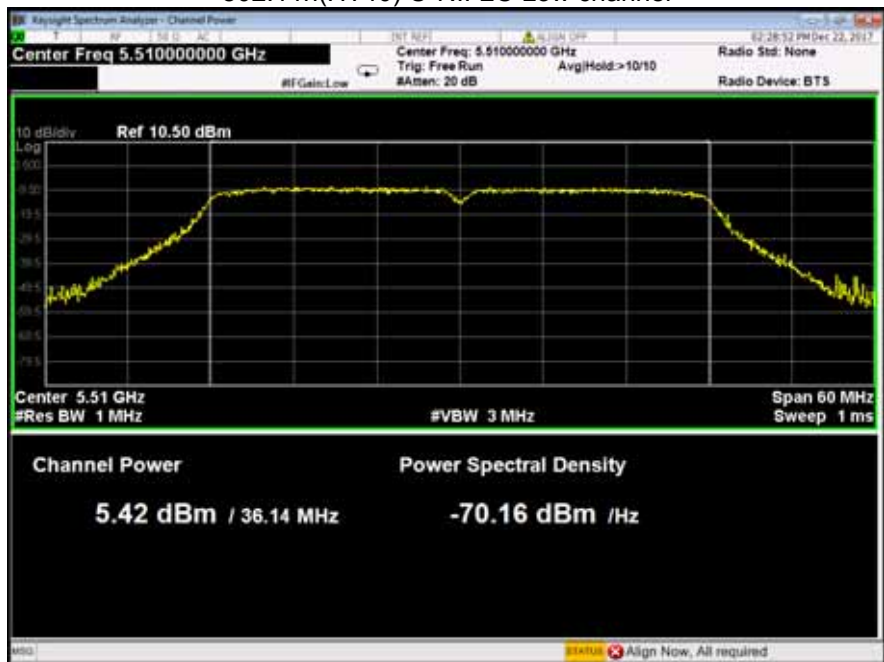
802.11ac(HT40) U-NII-2C Low channel



802.11ac(HT40) U-NII-2C High channel



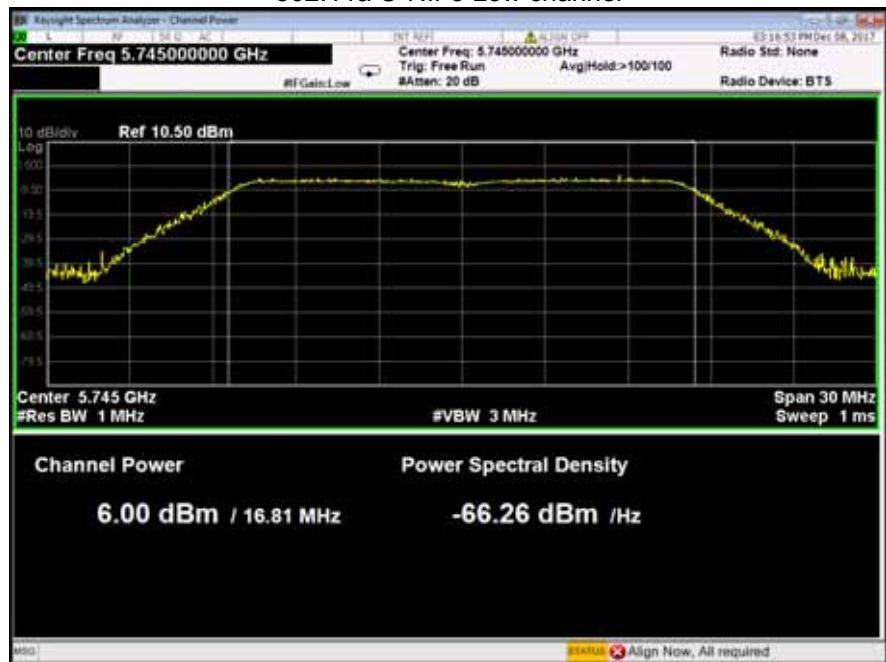
802.11n(HT40) U-NII-2C Low channel



802.11n(HT40) U-NII-2C High channel



802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel

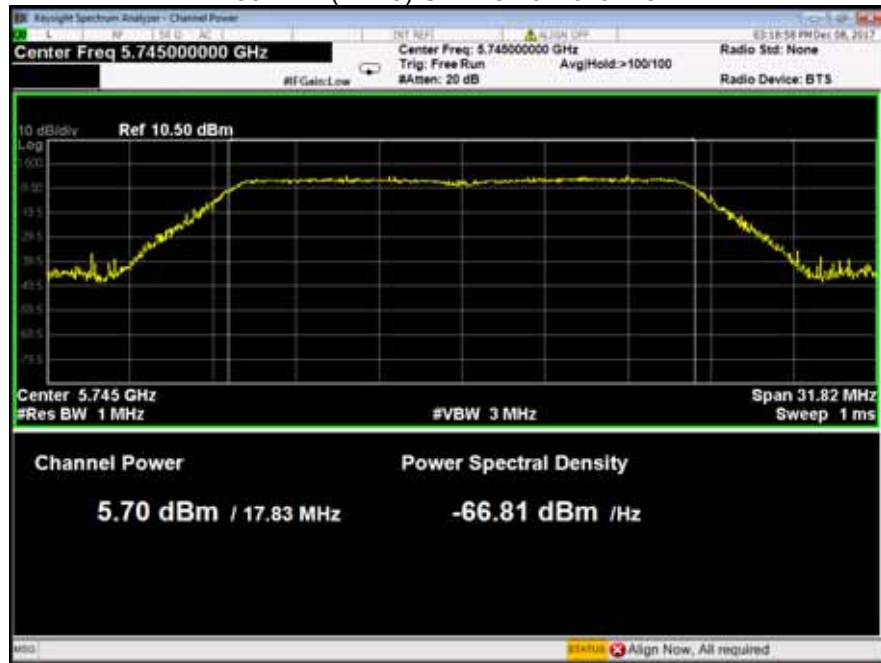


802.11a U-NII-3 High channel





802.11n(HT20) U-NII-3 Low channel



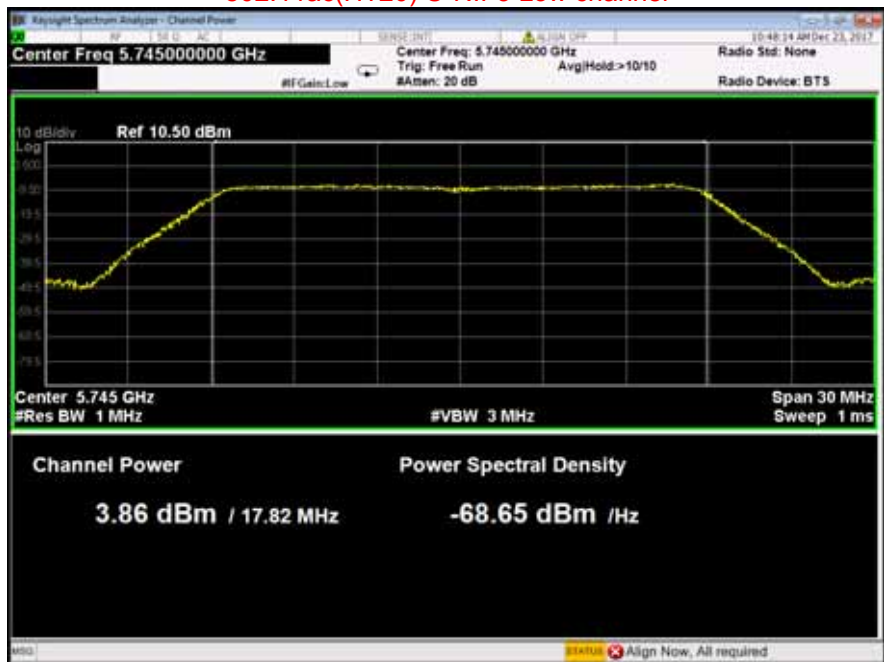
802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



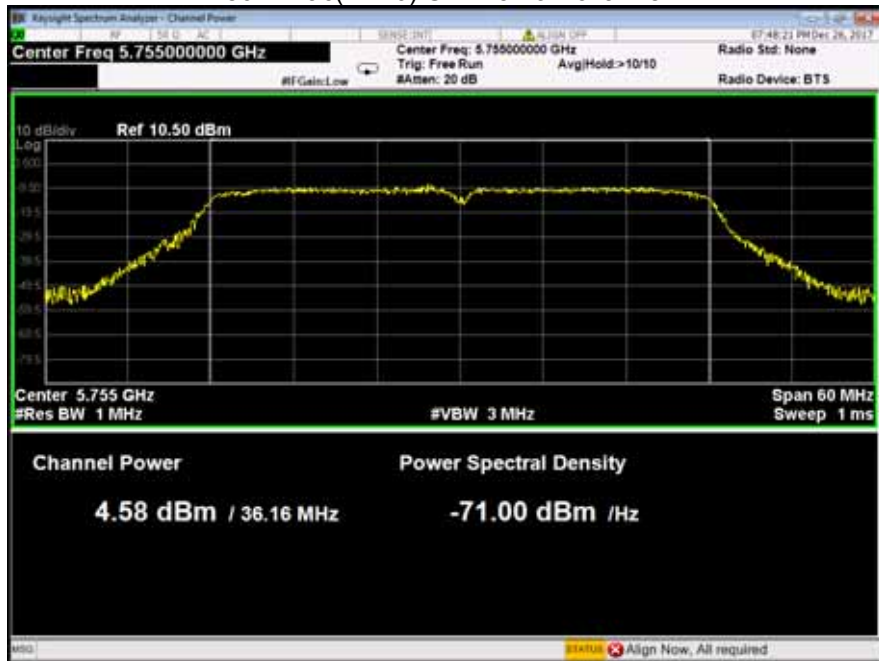
802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



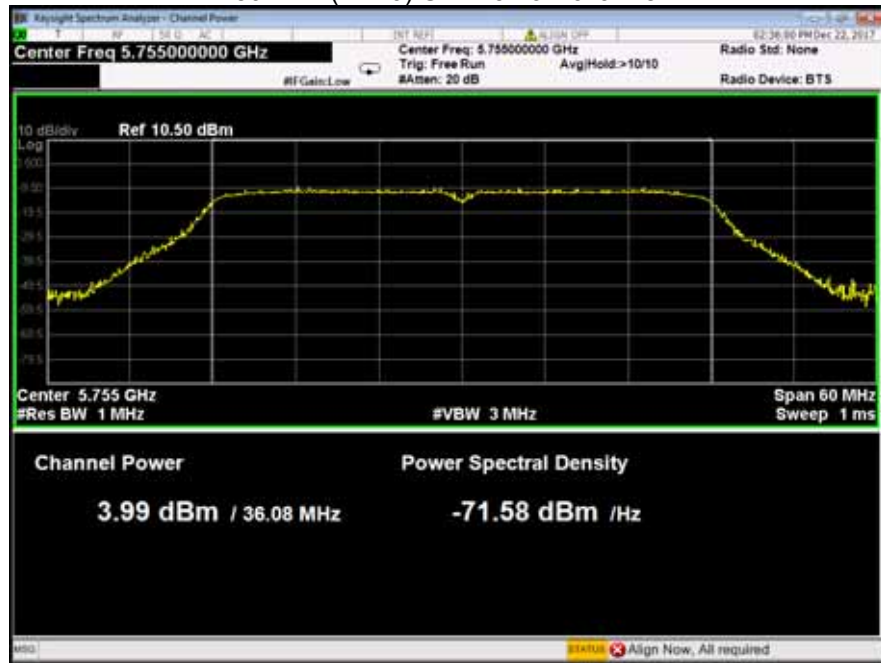
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



## 14 Power Spectral density

Test Requirement:	FCC CFR47 Part 15 Section 15.407
Test Method:	KDB 789033 D02 General U-NII Test Procedures New Rules v02r01
Test Limit:	≤11dBm/MHz for Operation in the U-NII-1(5150MHz-5250MHz,5250-5350MHz and 5470-5725MHz)of device; ≤30dBm/500kHz for Operation in the U-NII-1(5725MHz-5850MHz)of device
Test Result:	PASS

### 14.1 Test Procedure:

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 510kHz/1MHz. VBW 3 RBW Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section  
Submit this plot.

### 14.2 Test Result:

Band	Operation mode	Power Spectral Density (dBm/MHz)		
		Low channel	Middle	High
U-NII-1	802.11a	-2.213	-6.426	-6.163
	802.11n(HT20)	-3.363	-6.543	-7.048
	802.11ac(HT20)	-4.166	-7.329	-6.344
	802.11ac(HT40)	-6.498	/	-9.631
	802.11n(HT40)	-6.289	/	-9.321
	Limit	≤11dBm/MHz		

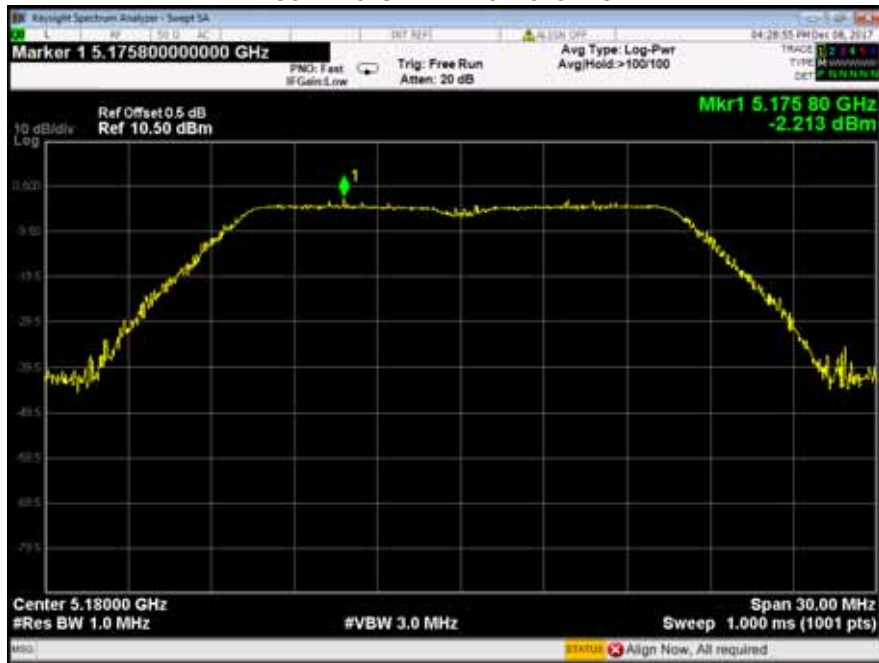
Band	Operation mode	Power Spectral Density (dBm/MHz)		
		Low channel	Middle	High
U-NII-2A	802.11a	-3.347	-6.609	-7.329
	802.11n(HT20)	-4.016	-7.336	-6.621
	802.11ac(HT20)	-1.604	-6.776	-6.308
	802.11ac(HT40)	-6.197	/	-9.754
	802.11n(HT40)	-5.742	/	-10.134
	Limit	≤11dBm/MHz		

Band	Operation mode	Power Spectral Density (dBm/MHz)		
		Low channel	Middle	High
U- NII- 2C	802.11a	-5.101	-6.003	-5.309
	802.11n(HT20)	-3.546	-5.780	-5.071
	802.11ac(HT20)	-3.484	-5.815	-5.963
	802.11ac(HT40)	-5.717	/	-8.587
	802.11n(HT40)	-5.437	/	-6.909
	Limit	≤11dBm/MHz		

Band	Operation mode	Power Spectral Density (dBm/MHz)		
		Low channel	Middle	High
U- NII-3	802.11a	-2.803	-4.307	-3.438
	802.11n(HT20)	-2.725	-3.908	-4.987
	802.11ac(HT20)	-4.963	-3.994	-5.031
	802.11ac(HT40)	-6.637	/	-7.320
	802.11n(HT40)	-5.544	/	-7.148
	Limit	≤30dBm/500kHz		

Test result plots shown as follows:

802.11a U-NII-1 Low channel



802.11a U-NII-1 Middle channel

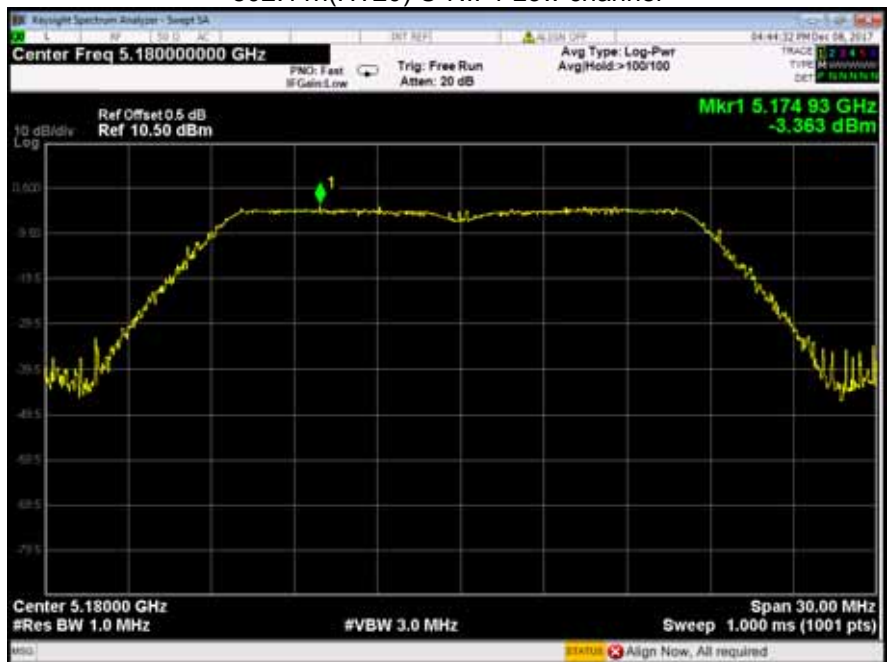




802.11a U-NII-1 High channel



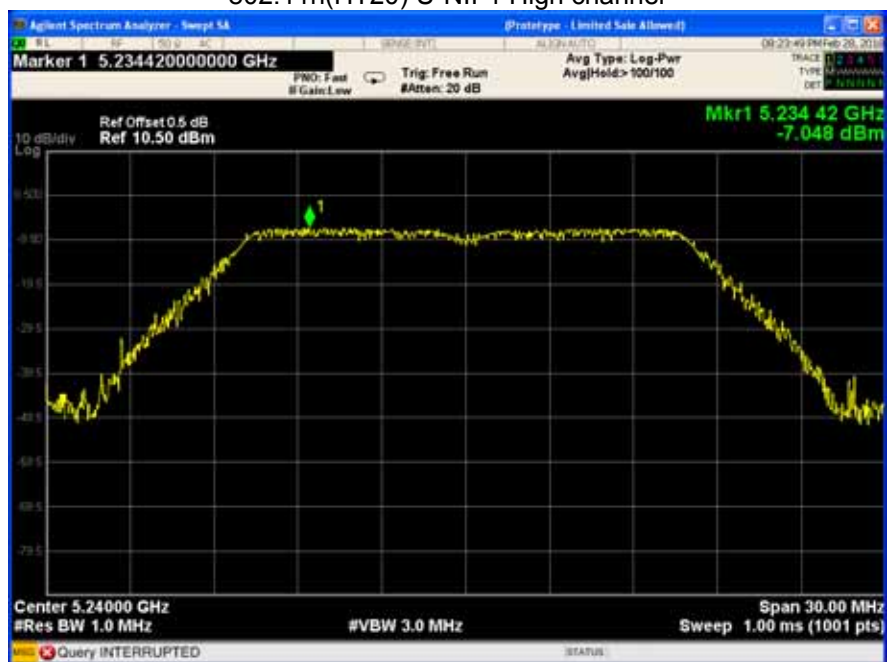
802.11n(HT20) U-NII-1 Low channel



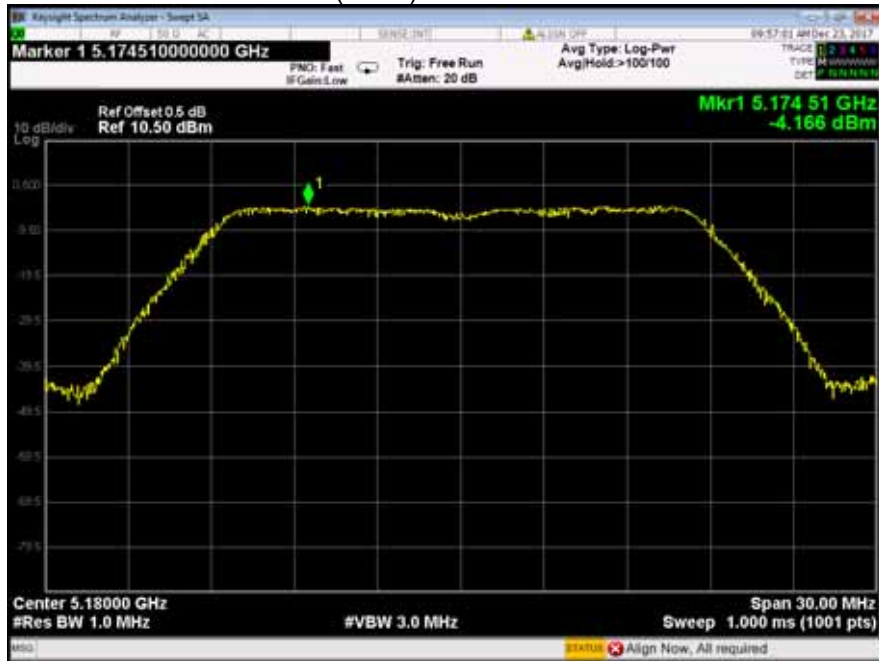
802.11n(HT20) U-NII-1 Middle channel



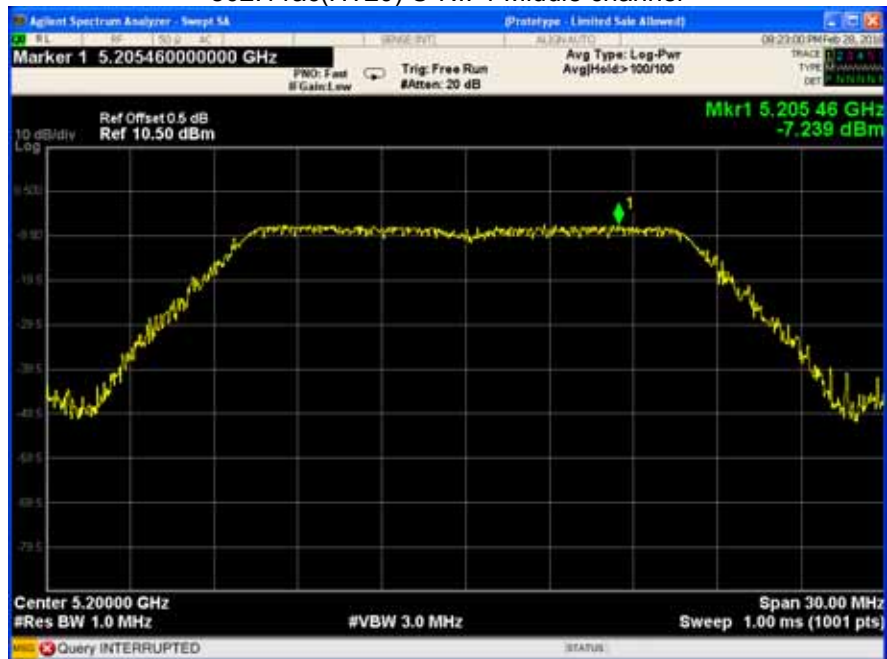
802.11n(HT20) U-NII-1 High channel



802.11ac(HT20) U-NII-1 Low channel



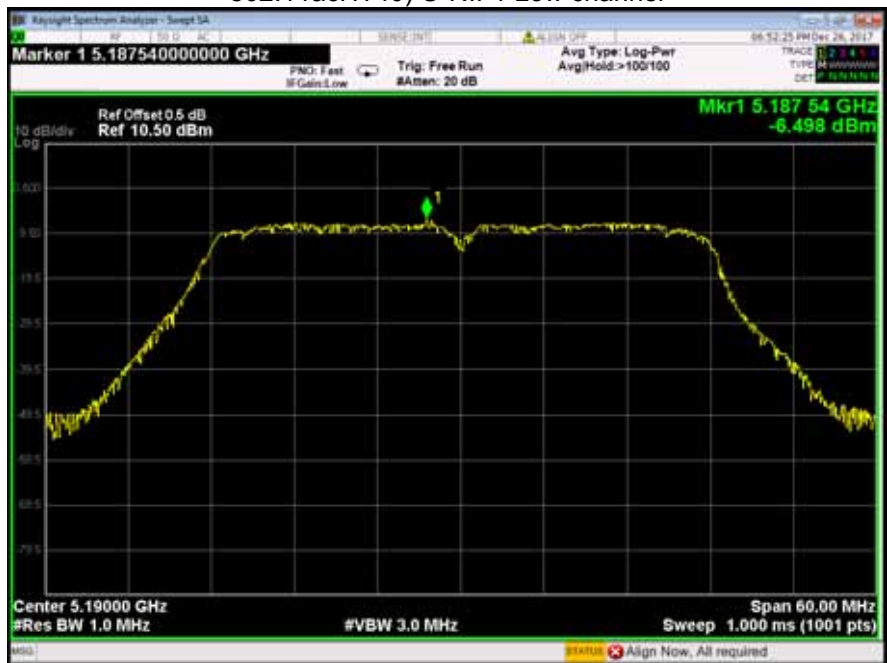
802.11ac(HT20) U-NII-1 Middle channel



802.11ac(HT20) U-NII-1 High channel



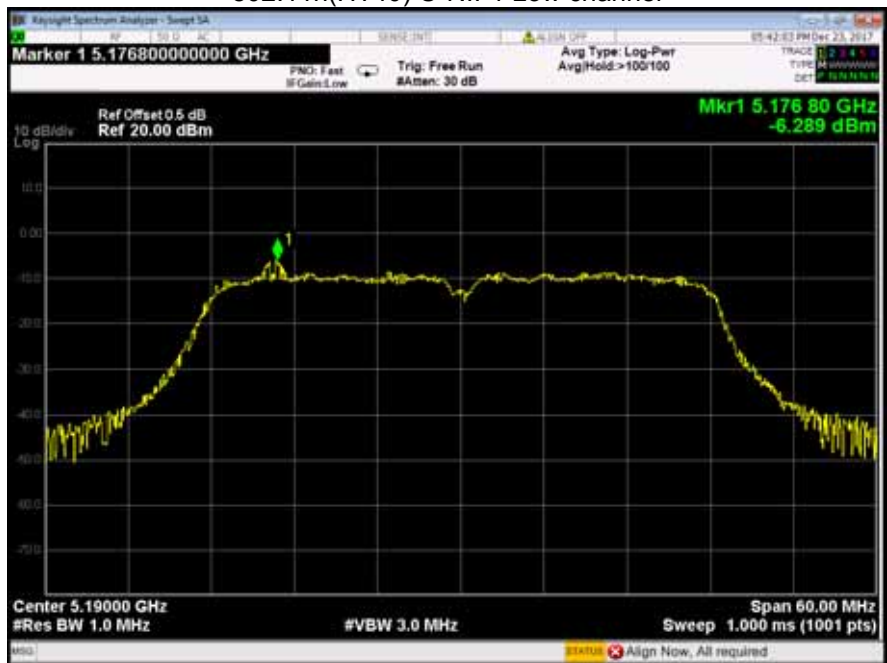
802.11ac(HT40) U-NII-1 Low channel



802.11ac(HT40) U-NII-1 High channel



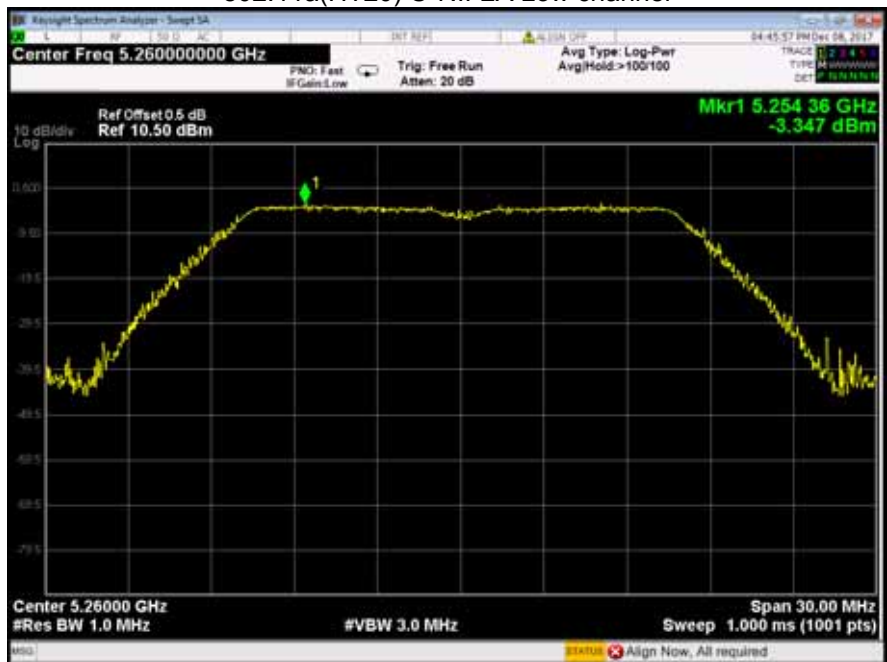
802.11n(HT40) U-NII-1 Low channel



802.11n(HT40) U-NII-1 High channel



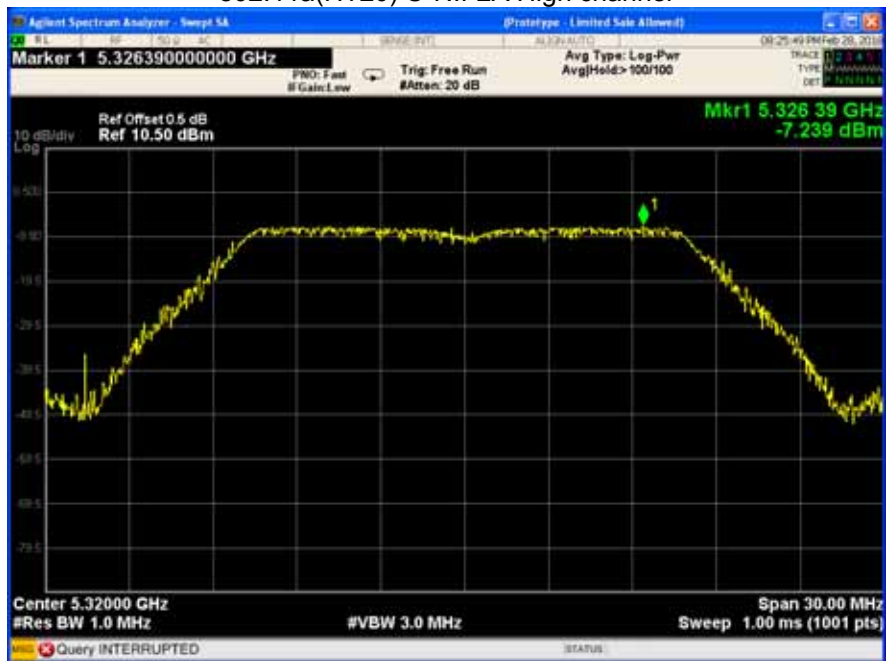
802.11a(HT20) U-NII-2A Low channel



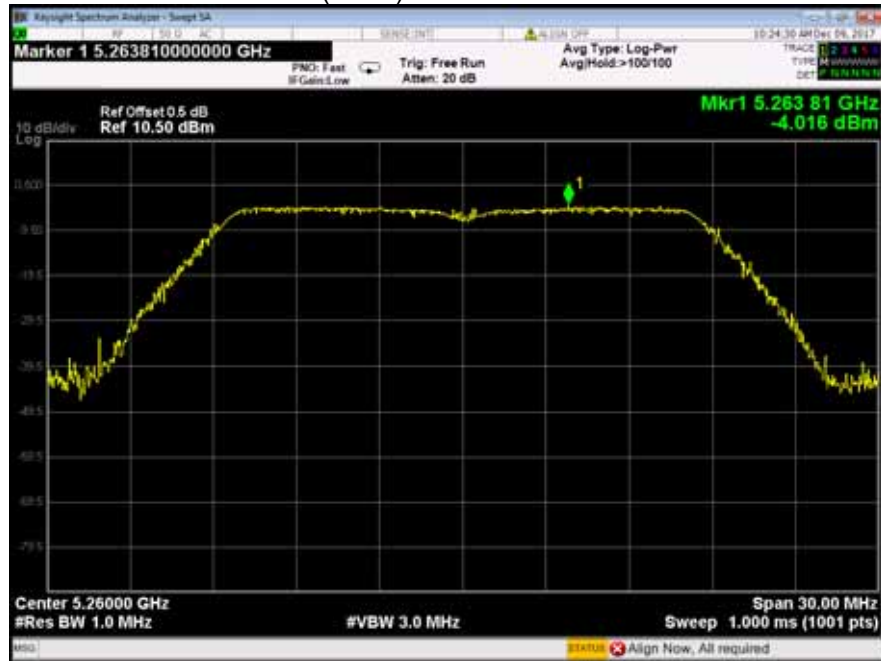
802.11a(HT20) U-NII-2A Middle channel



802.11a(HT20) U-NII-2A High channel



802.11n(HT20) U-NII-2A Low channel

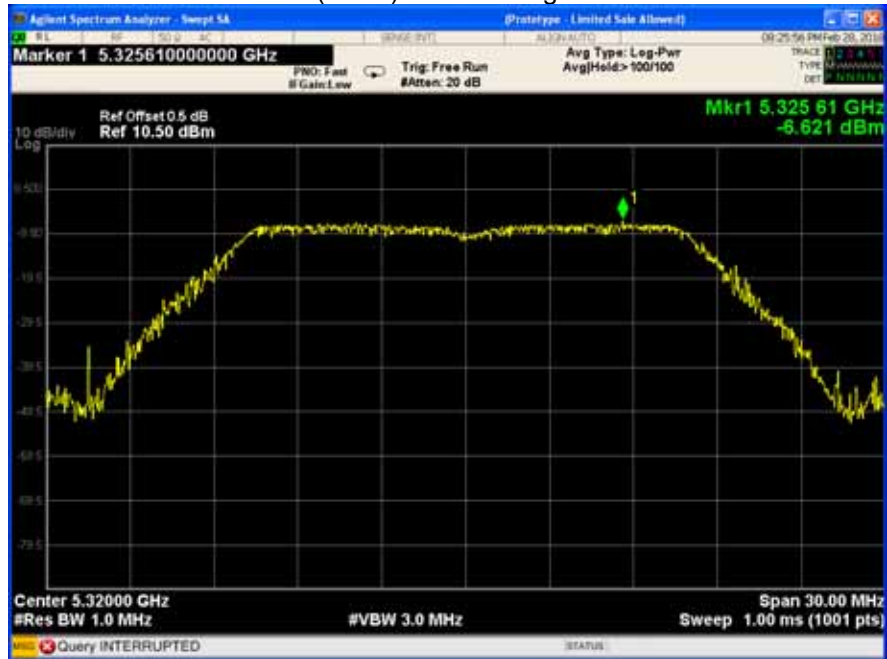


802.11n(HT20) U-NII-2A Middle channel

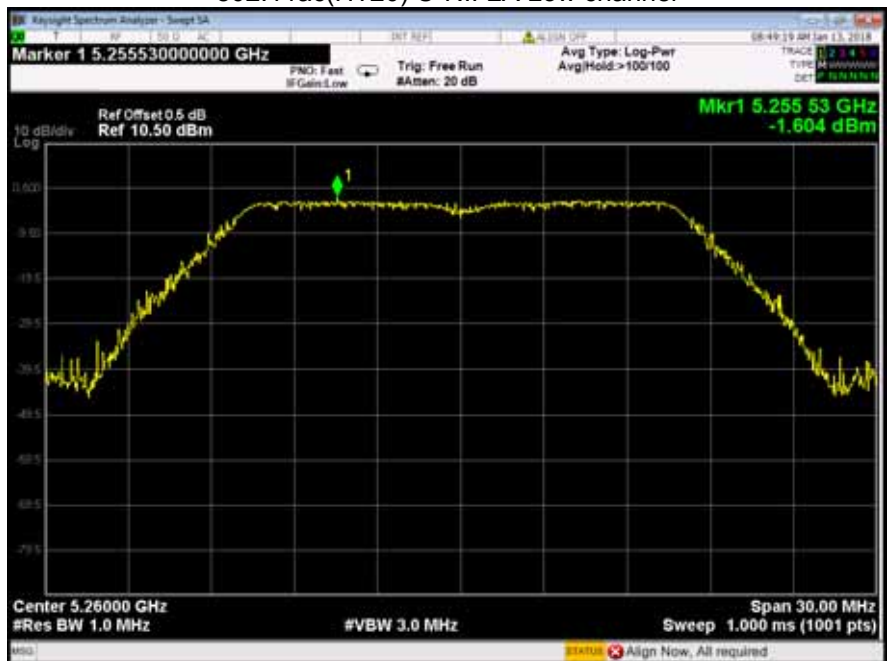




802.11n(HT20) U-NII-2A High channel



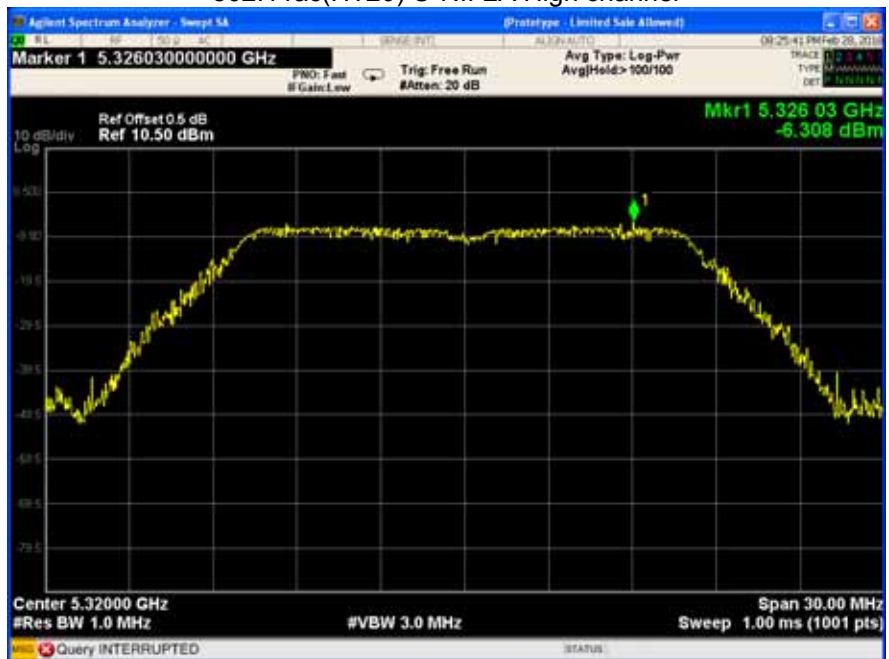
802.11ac(HT20) U-NII-2A Low channel



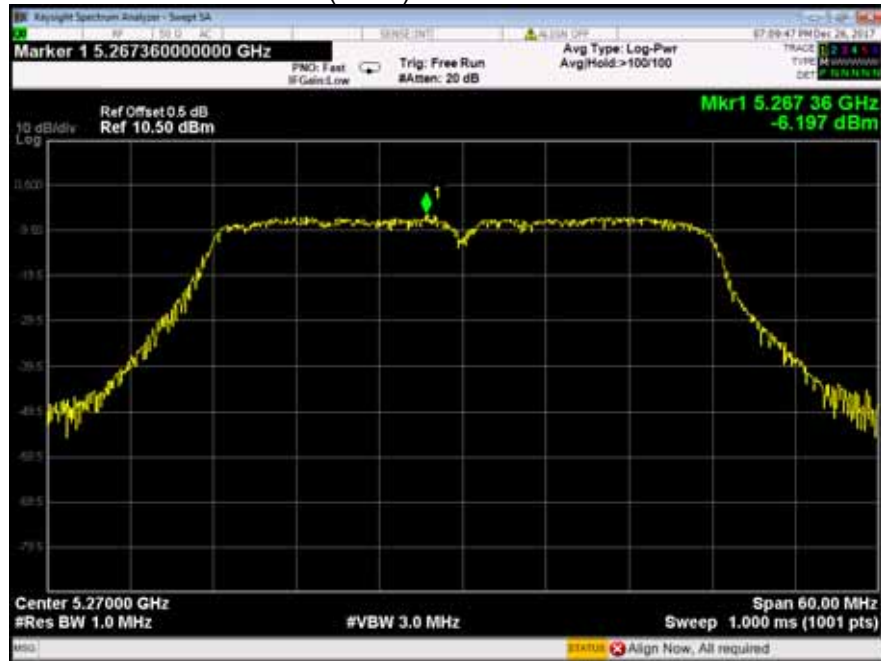
802.11ac(HT20) U-NII-2A Middle channel



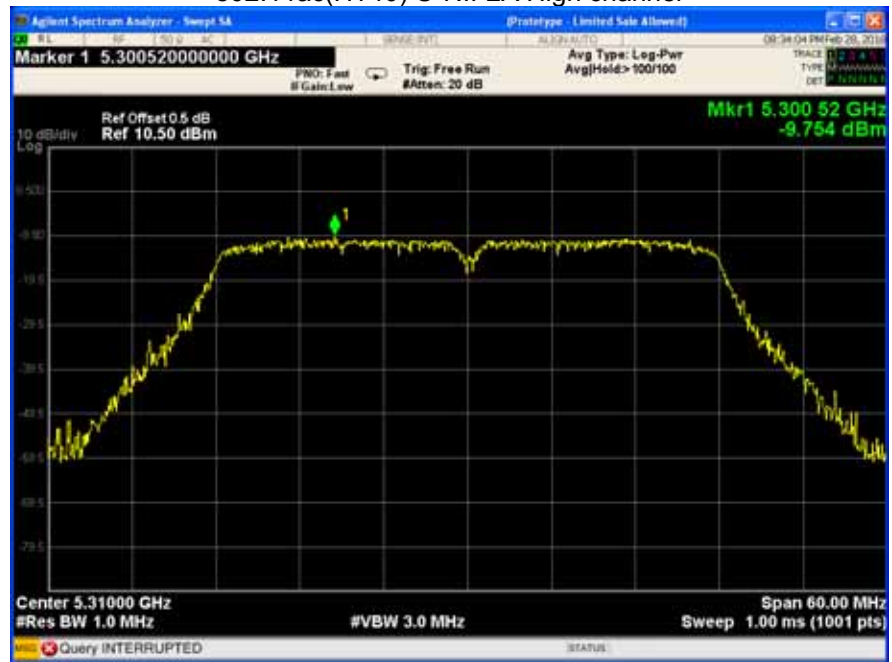
802.11ac(HT20) U-NII-2A High channel



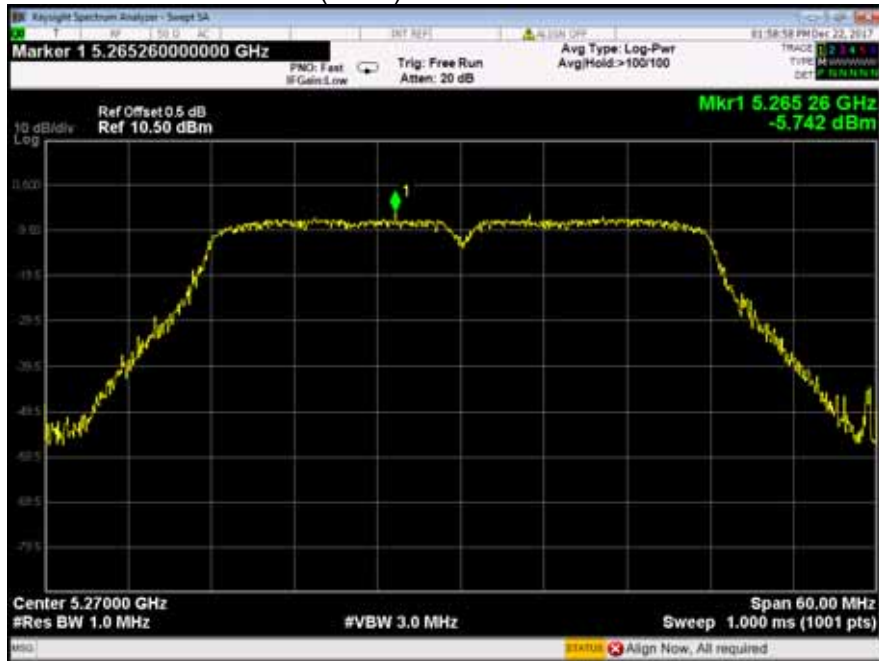
802.11ac(HT40) U-NII-2A Low channel



802.11ac(HT40) U-NII-2A High channel



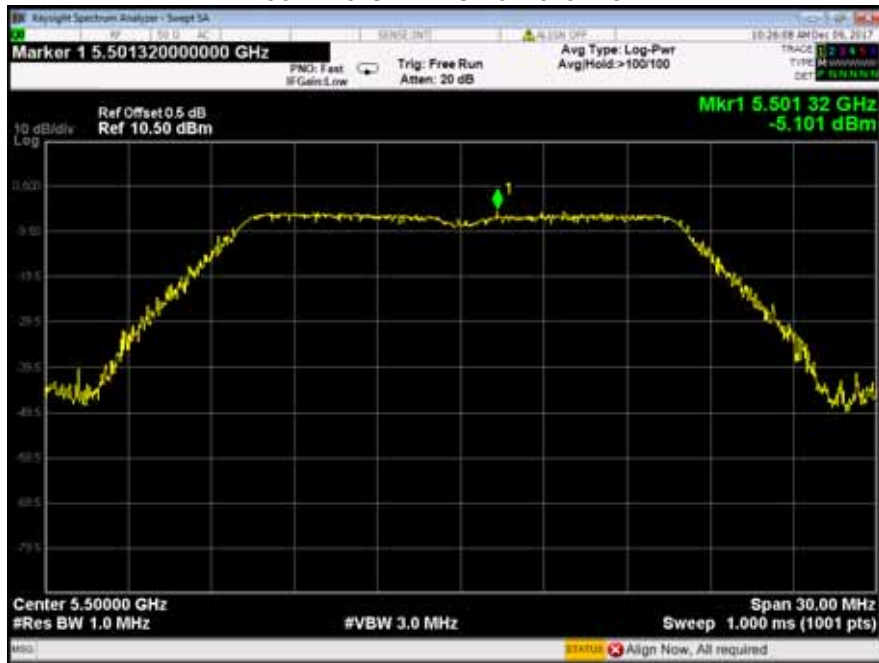
802.11n(HT40) U-NII-2A Low channel



802.11n(HT40) U-NII-2A High channel



802.11a U-NII-2C Low channel



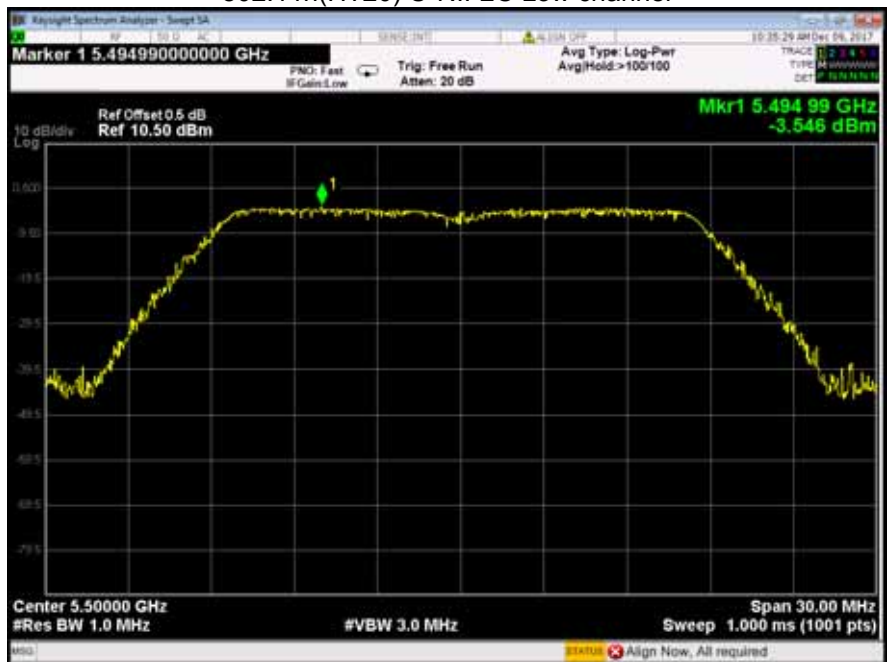
802.11a U-NII-2C Middle channel



802.11a U-NII-2C High channel



802.11n(HT20) U-NII-2C Low channel



802.11n(HT20) U-NII-2C Middle channel



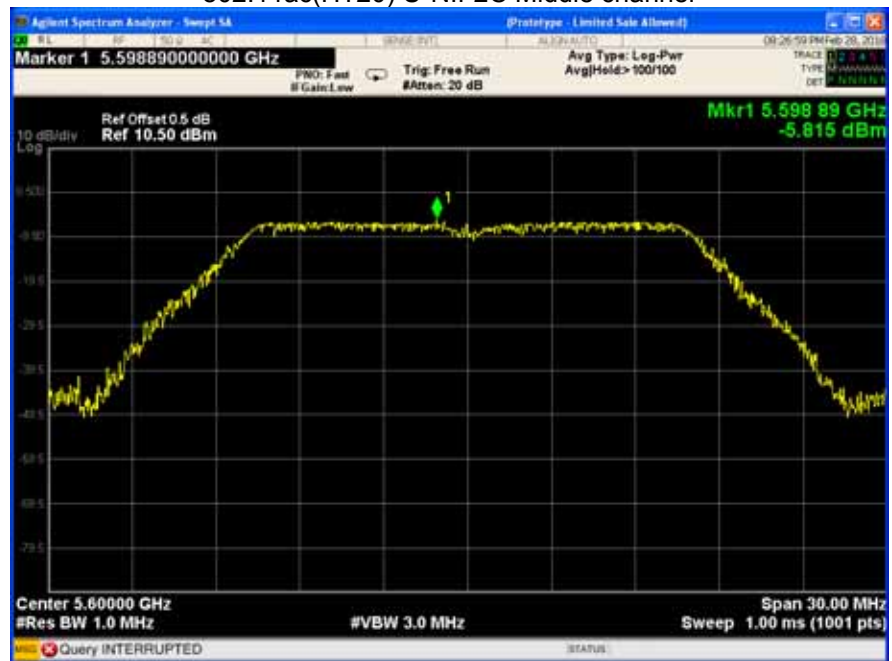
802.11n(HT20) U-NII-2C High channel



802.11ac(HT20) U-NII-2C Low channel



802.11ac(HT20) U-NII-2C Middle channel





802.11ac(HT20) U-NII-2C High channel



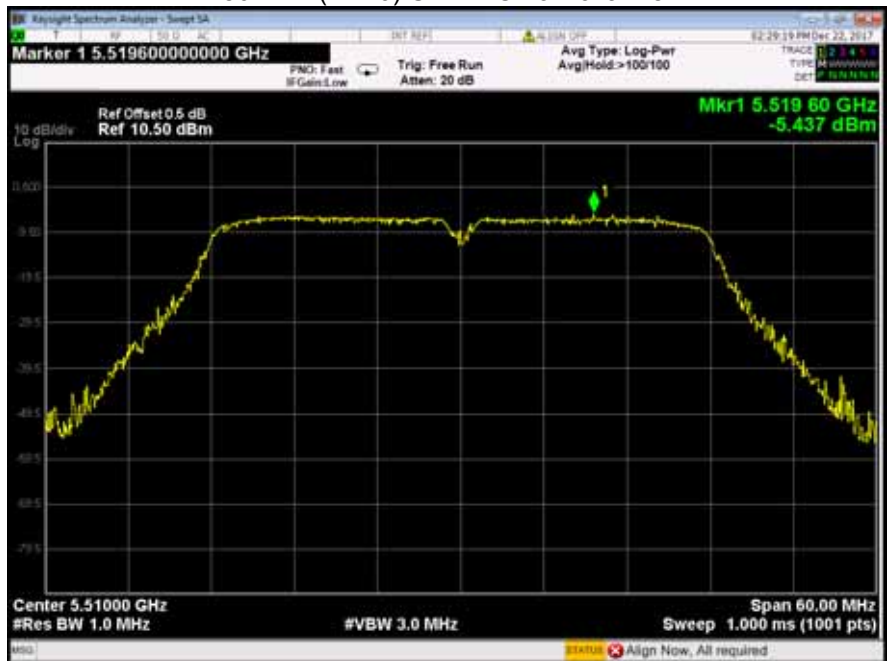
802.11ac(HT40) U-NII-2C Low channel



802.11ac(HT40) U-NII-2C High channel



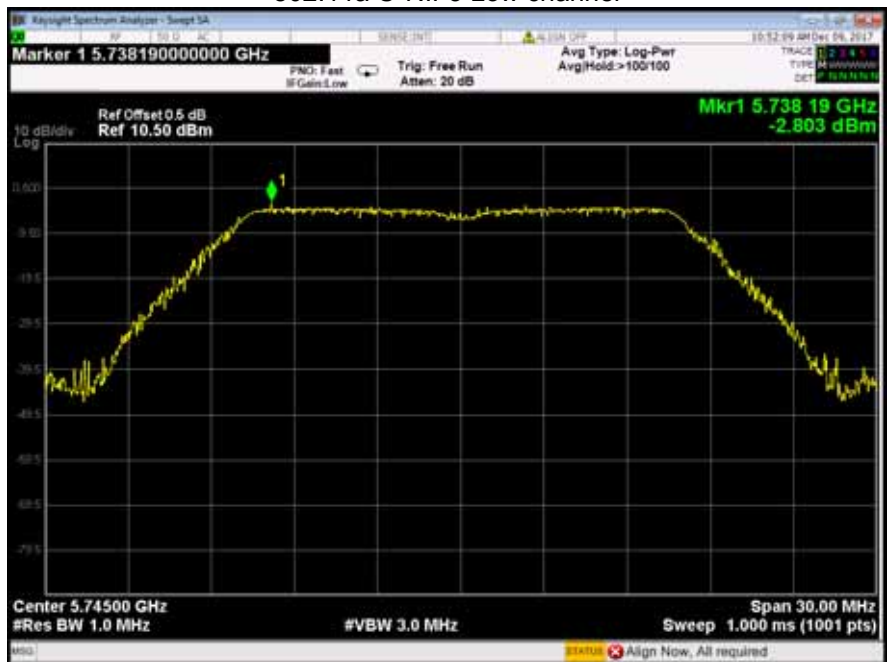
802.11n(HT40) U-NII-2C Low channel



802.11n(HT40) U-NII-2C High channel



802.11a U-NII-3 Low channel



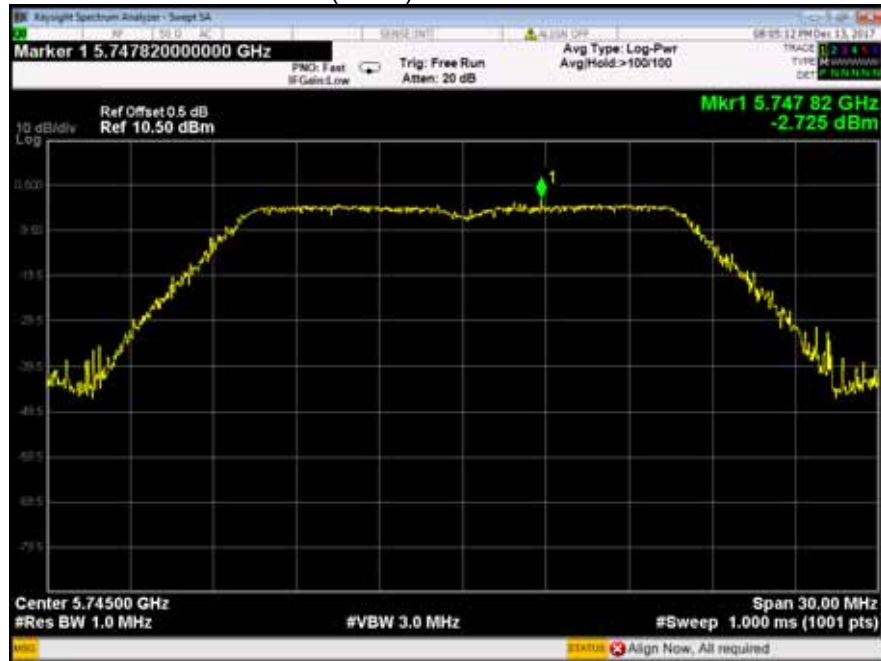
802.11a U-NII-3 Middle channel



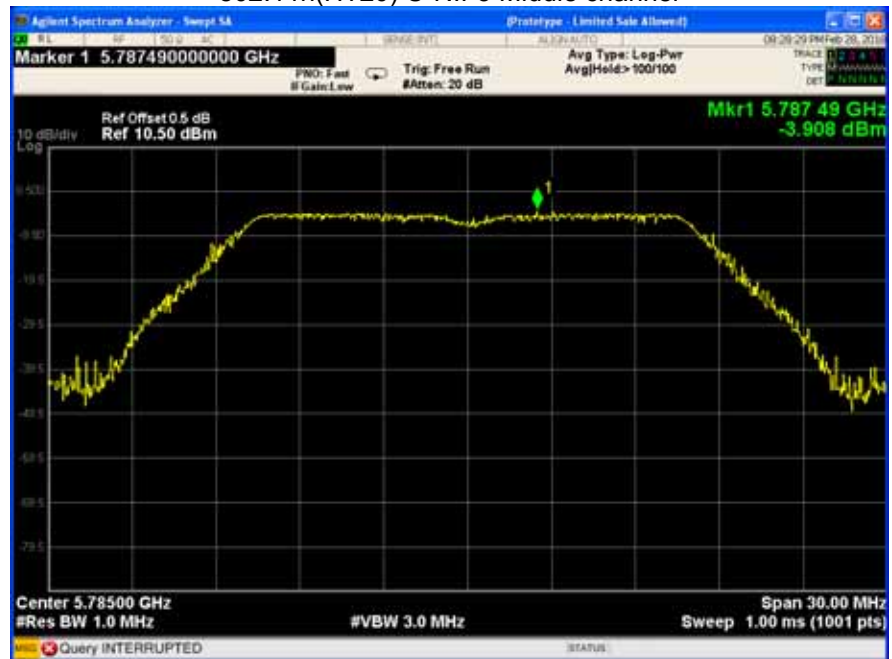
802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



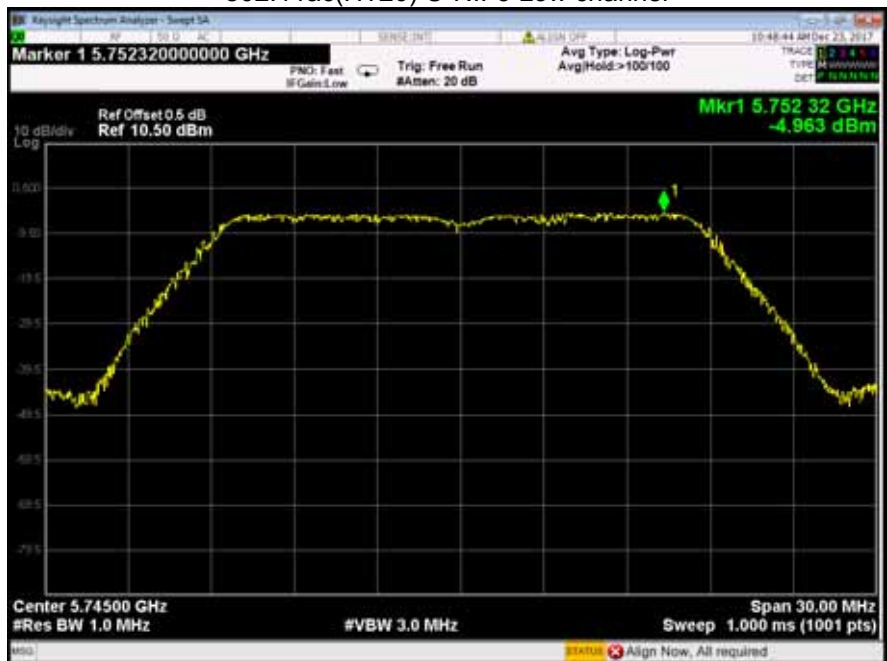
802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



802.11ac(HT40) U-NII-3 Low channel

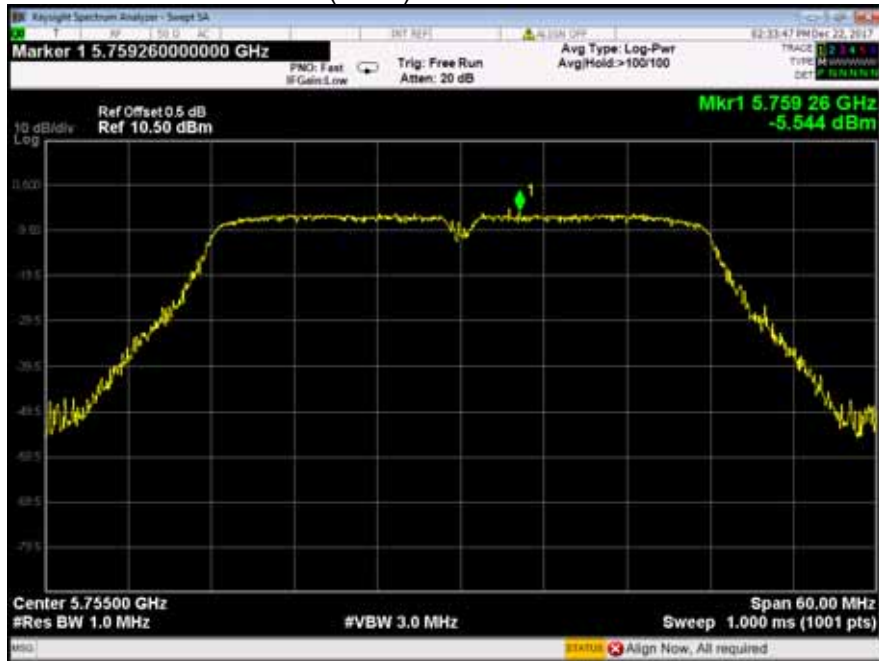


802.11ac(HT40) U-NII-3 High channel





802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



## **15 Antenna Requirement**

According to the FCC Part 15 Paragraph 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. This product has an internal integrated antenna fulfill the requirement of this section.

## **16 RF Exposure**

Remark: refer to SAR test report: WTS17S1194415E.

## **17 Photographs of test setup and EUT.**

Note: Please refer to appendix: WTS17S1194413E\_Photo.

=====**End of Report**=====