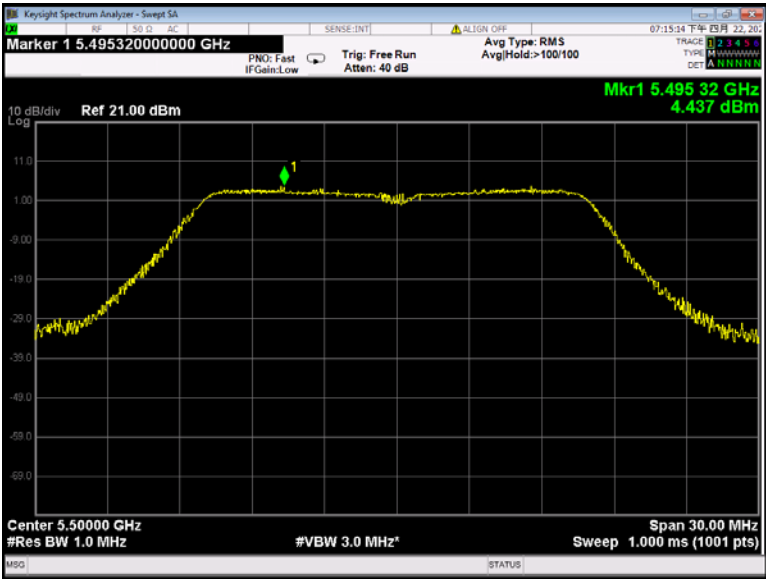
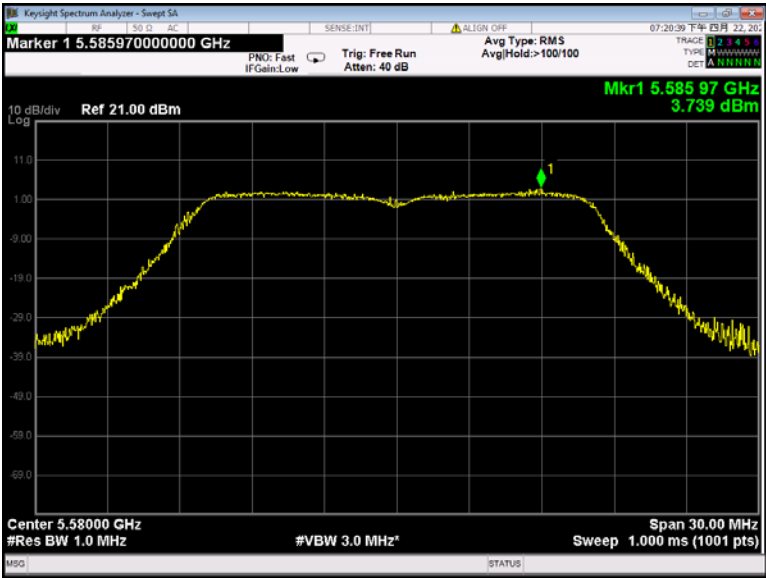


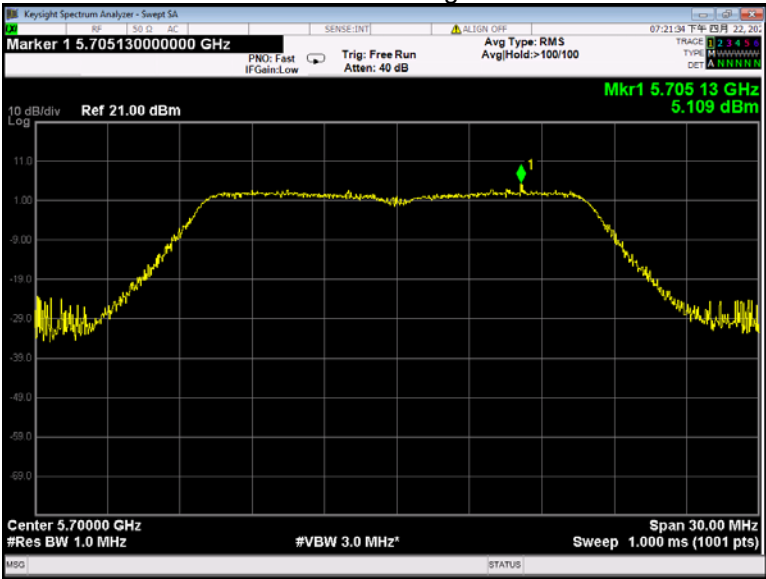
802.11a U-NII-2C Low channel



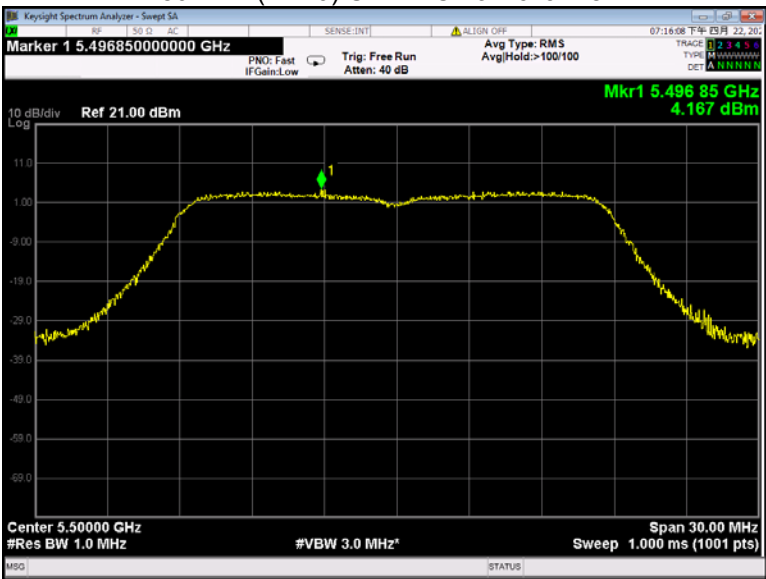
802.11a U-NII-2C Middle channel



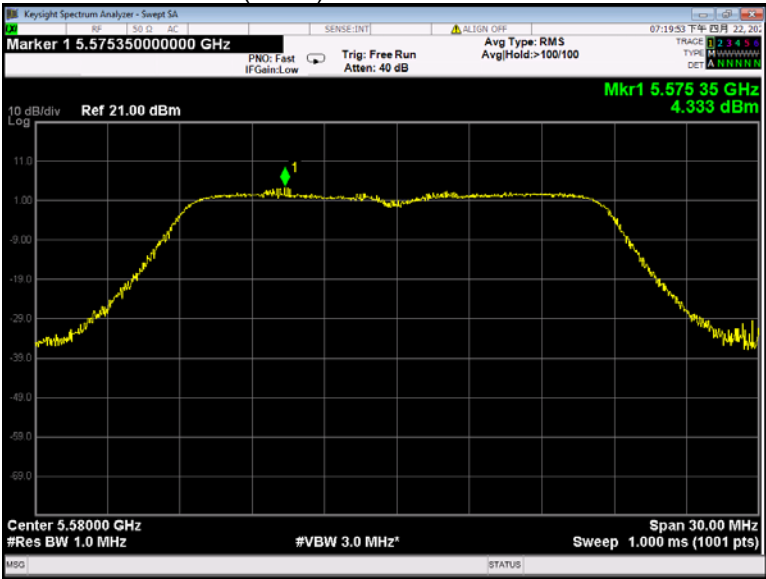
802.11a U-NII-2C High channel



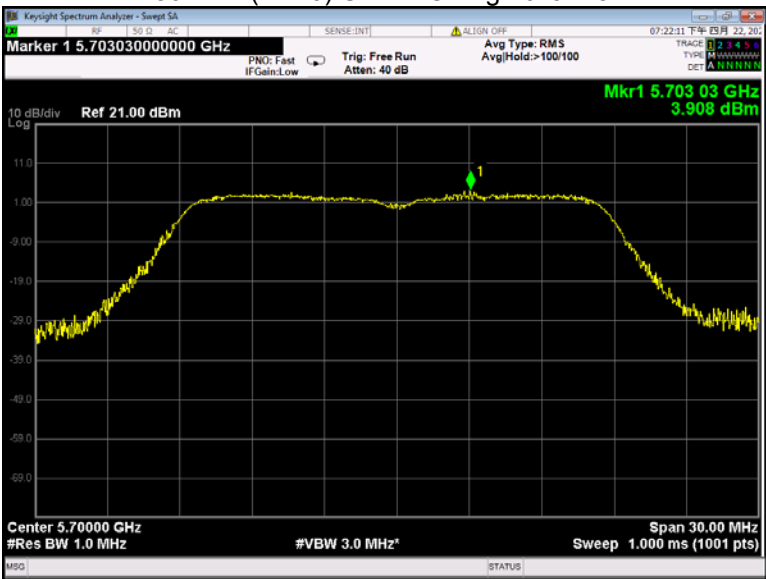
802.11n(HT20) U-NII-2C Low channel



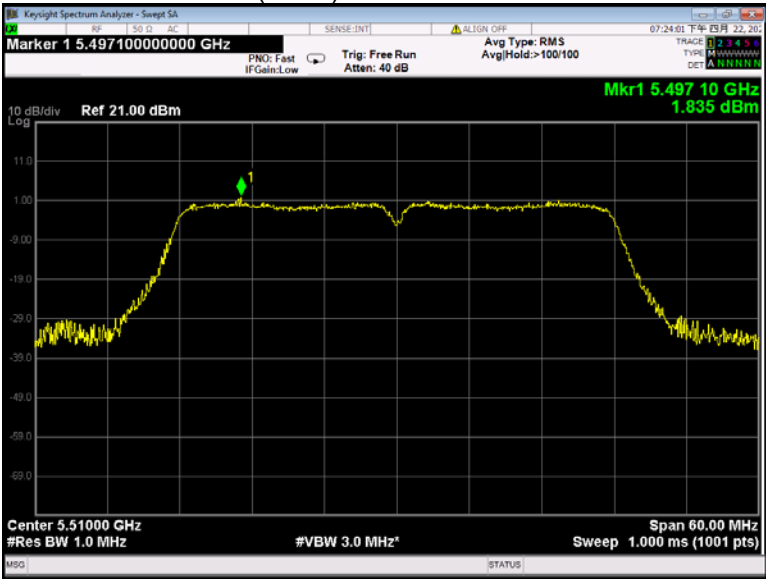
802.11n(HT20) U-NII-2C Middle channel



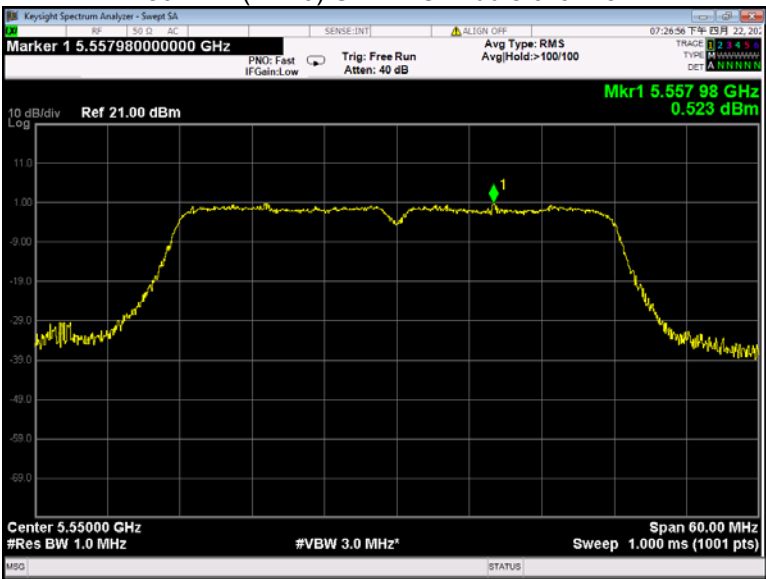
802.11n(HT20) U-NII-2C High channel

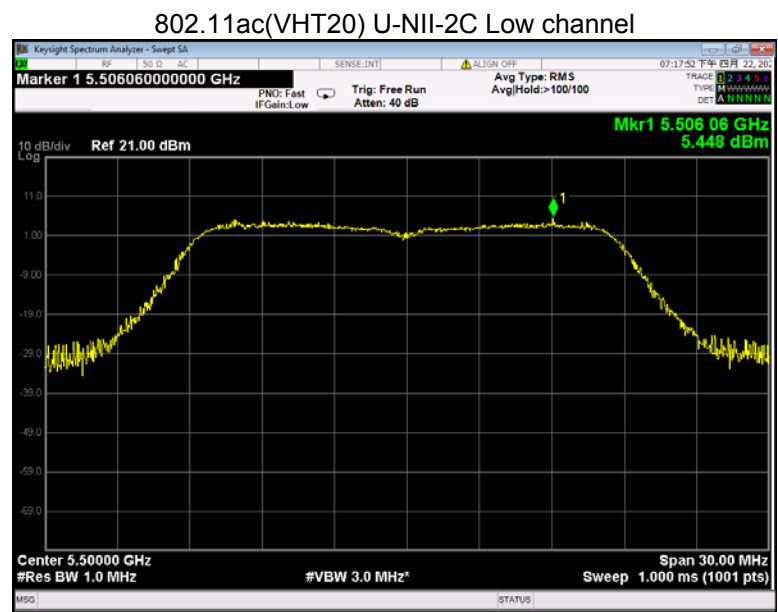
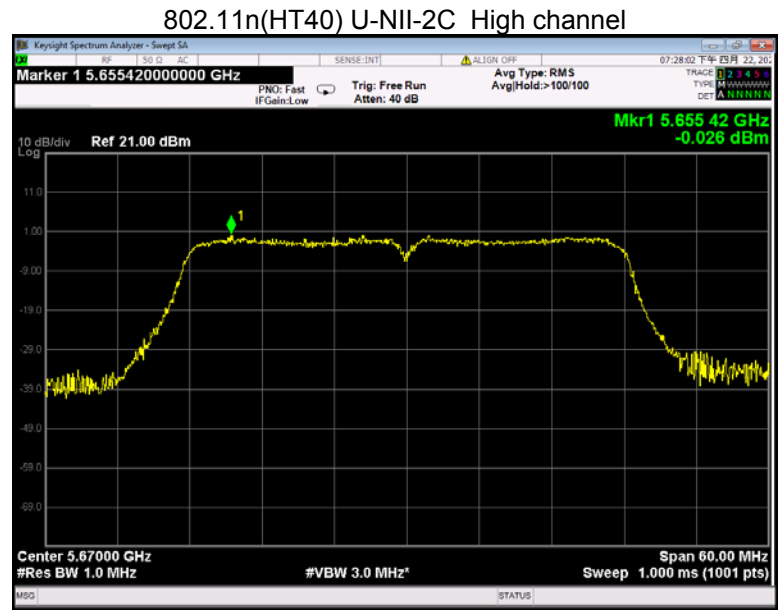


802.11n(HT40) U-NII-2C Low channel

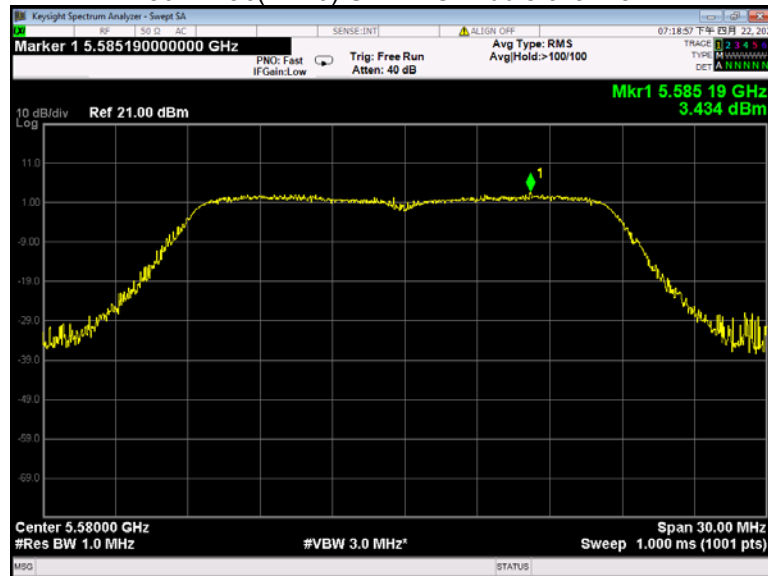


802.11n(HT40) U-NII-2C Middle channel

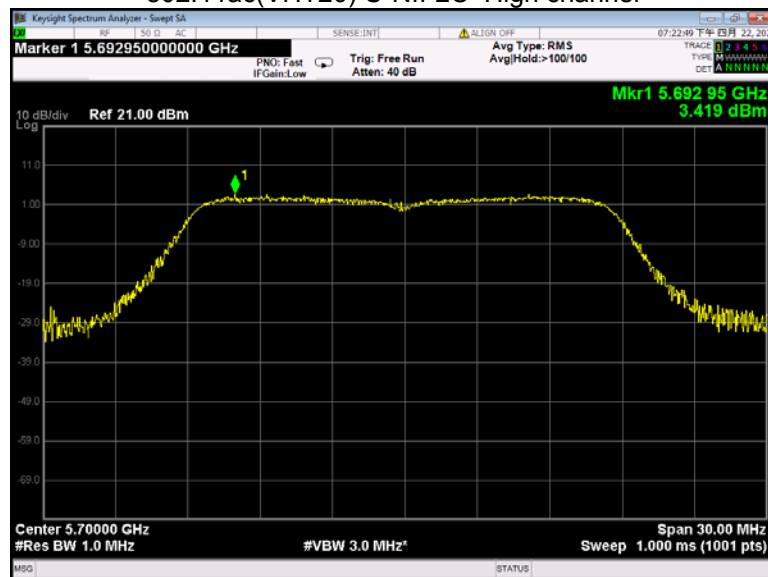




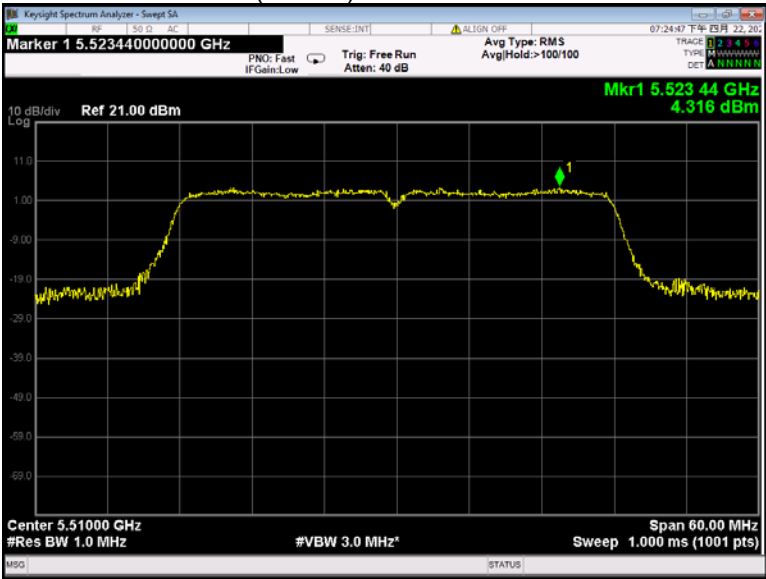
802.11ac(HT20) U-NII-2C Middle channel



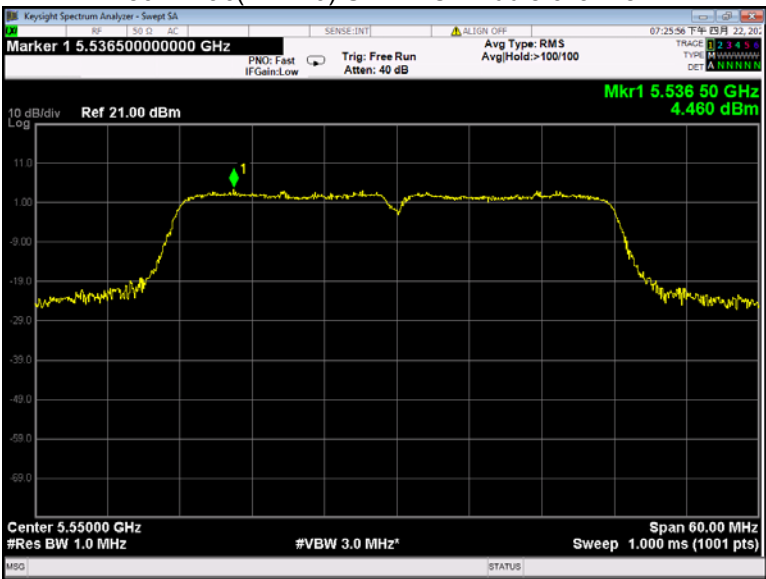
802.11ac(VHT20) U-NII-2C High channel



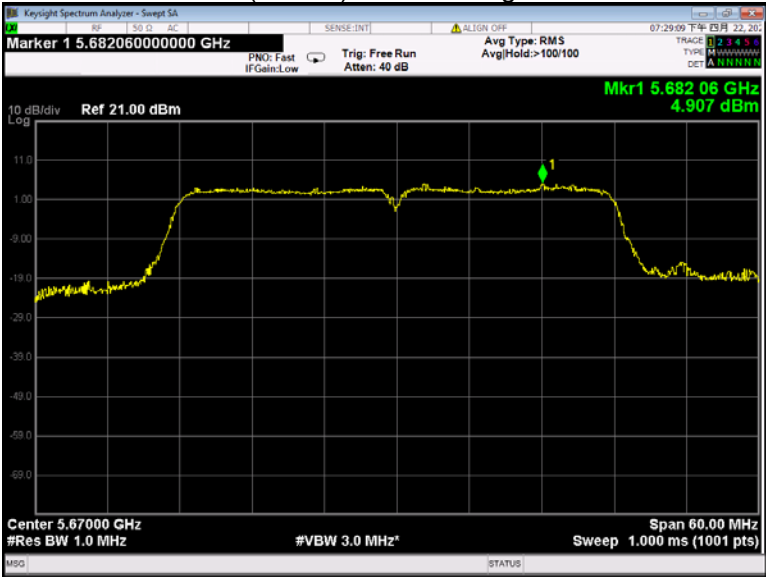
802.11ac(VHT40) U-NII-2C Low channel



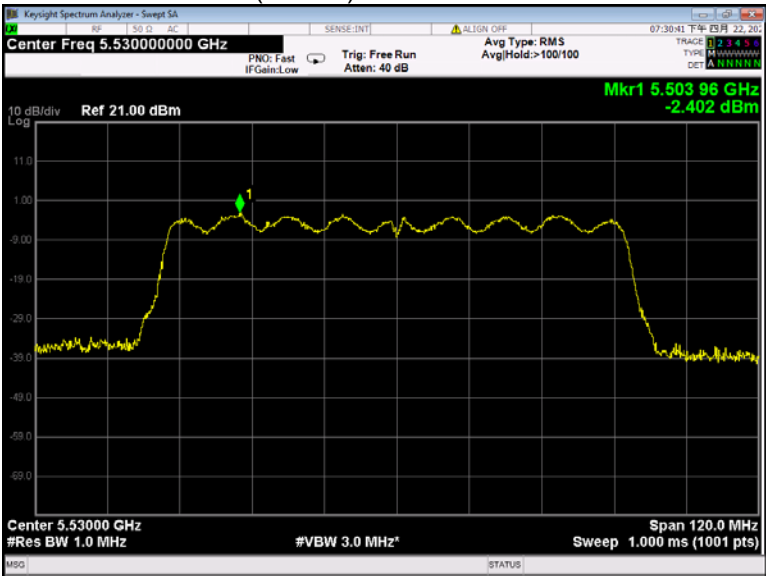
802.11ac(VHT40) U-NII-2C Middle channel



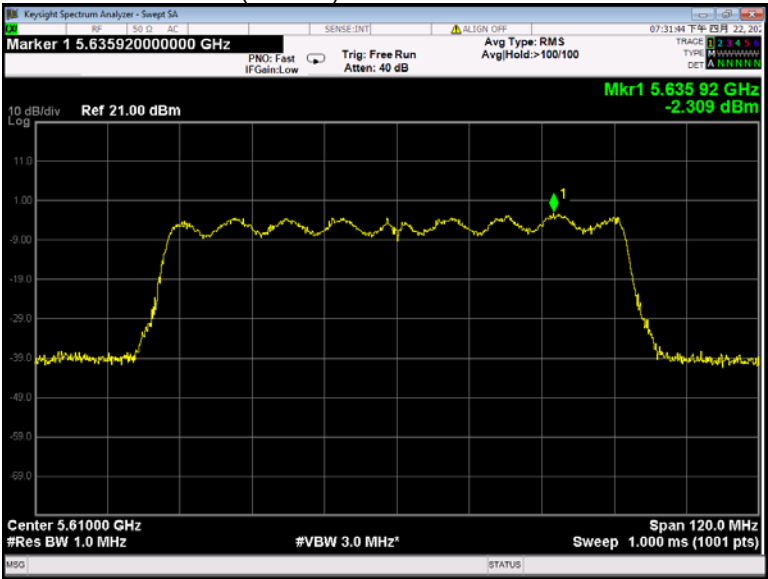
802.11ac(VHT40) U-NII-2C High channel



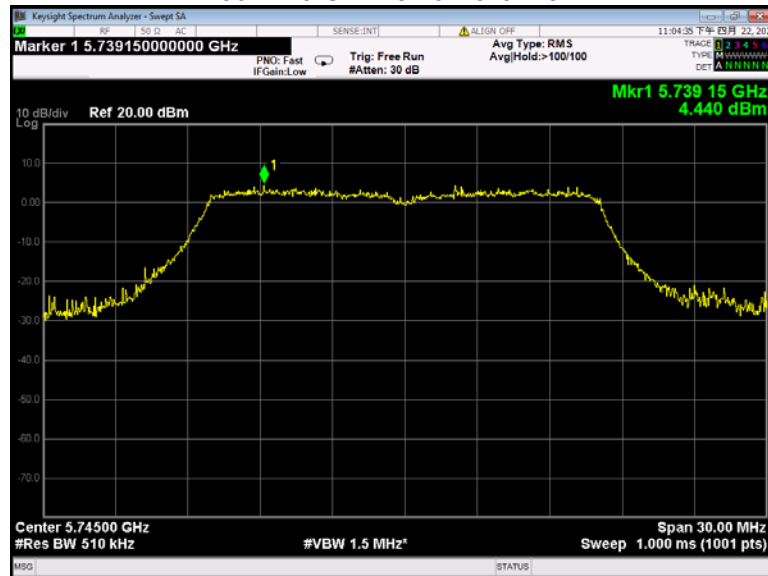
802.11ac(VHT80) U-NII-2C Low channel



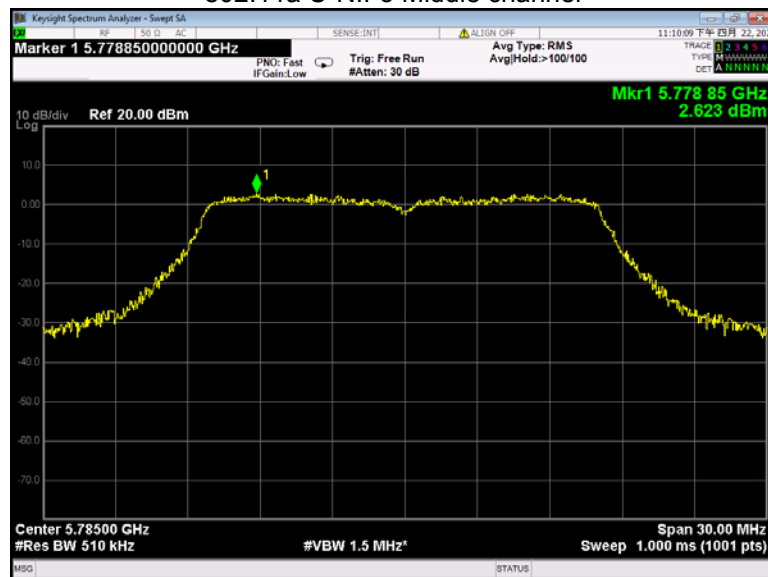
802.11ac(VHT80) U-NII-2C Middle channel



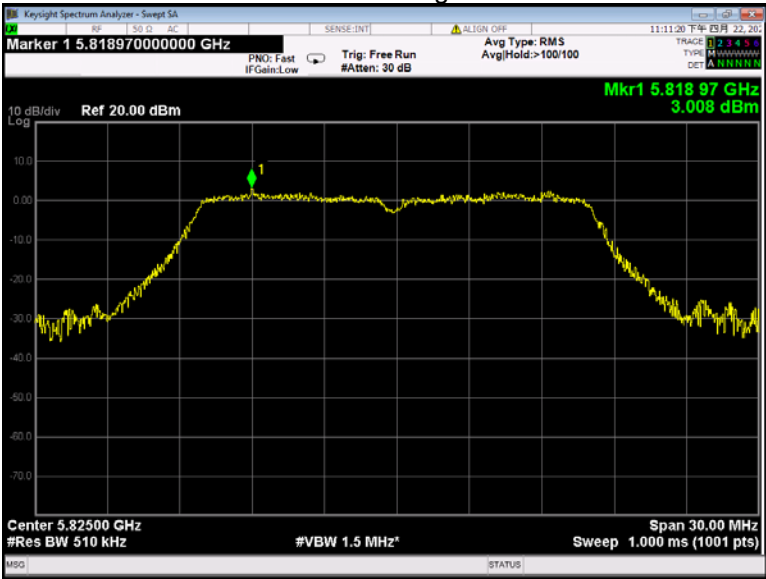
802.11a U-NII-3 Low channel



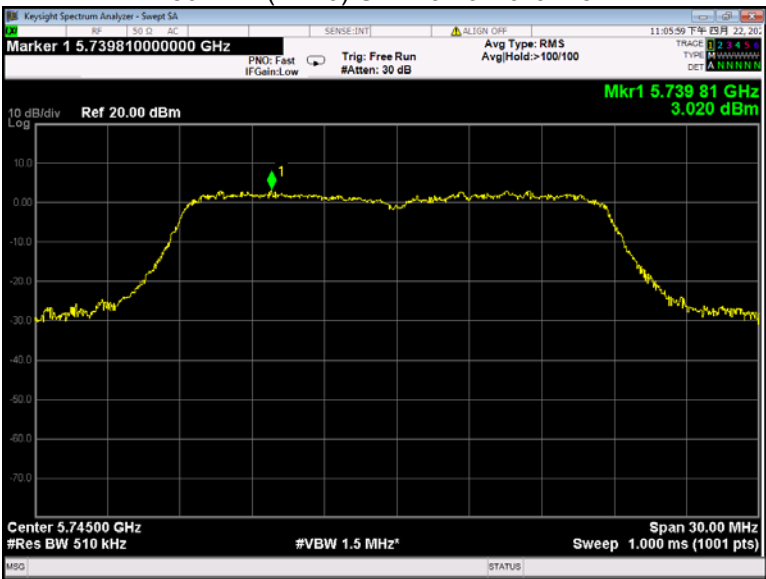
802.11a U-NII-3 Middle channel



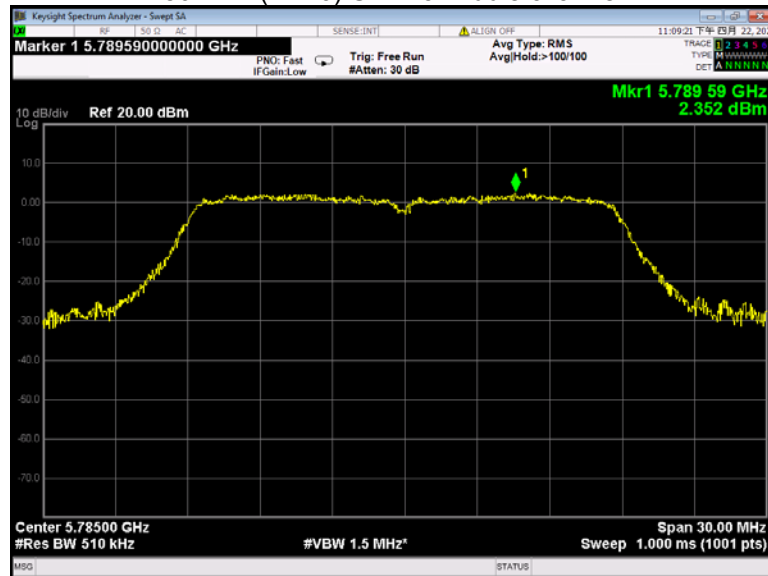
802.11a U-NII-3 High channel



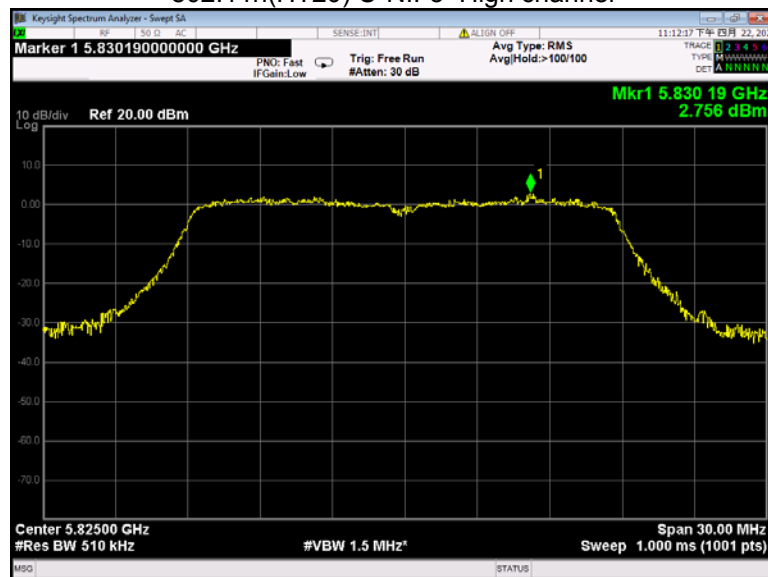
802.11n(HT20) U-NII-3 Low channel



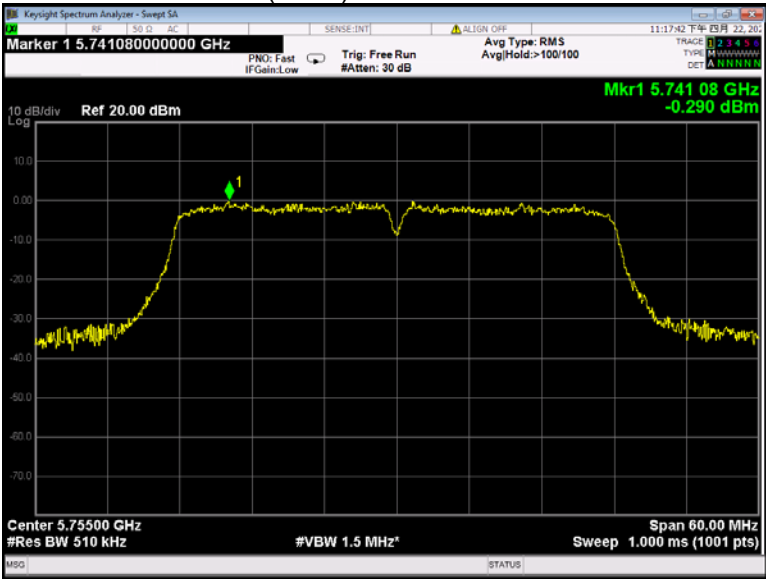
802.11n(HT20) U-NII-3 Middle channel



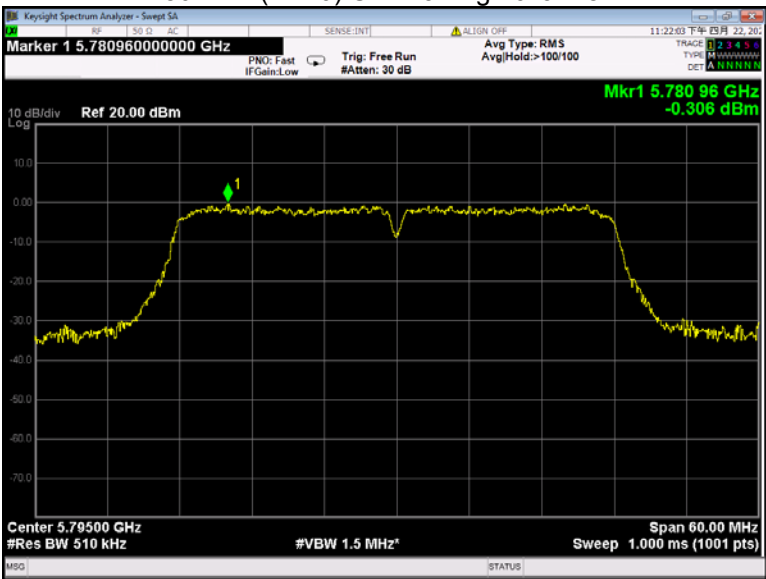
802.11n(HT20) U-NII-3 High channel



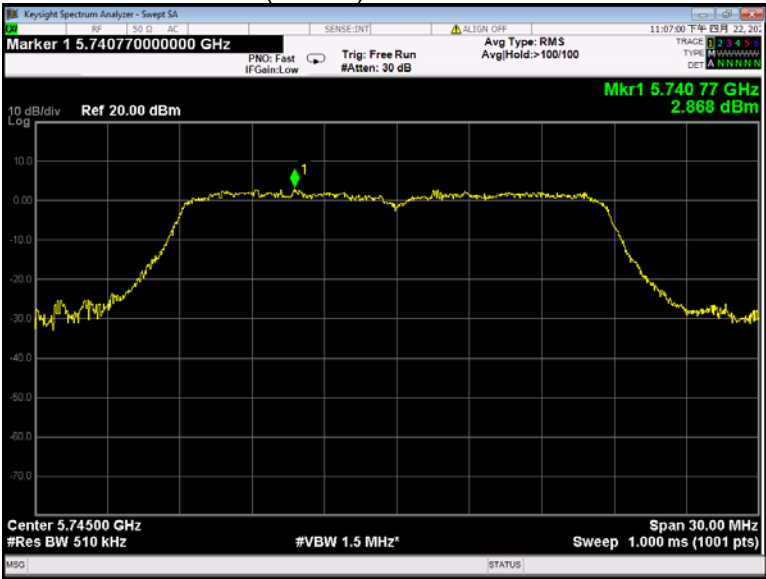
802.11n(HT40) U-NII-3 Low channel



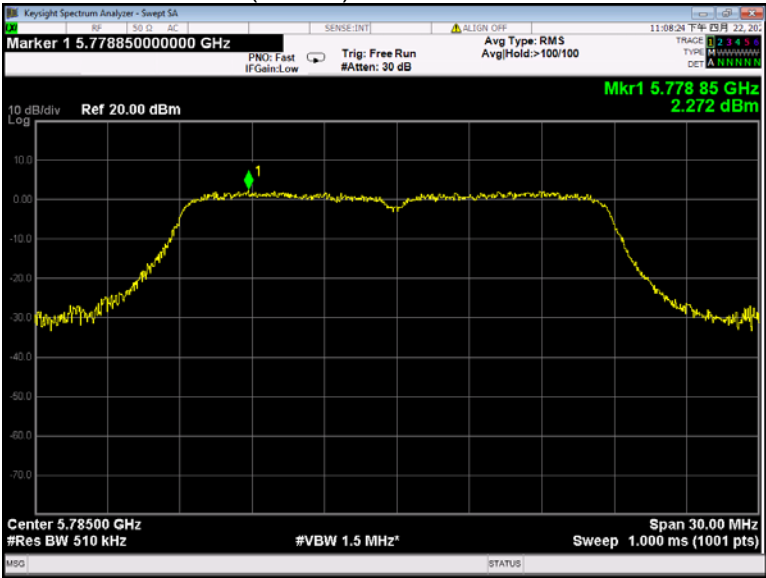
802.11n(HT40) U-NII-3 High channel



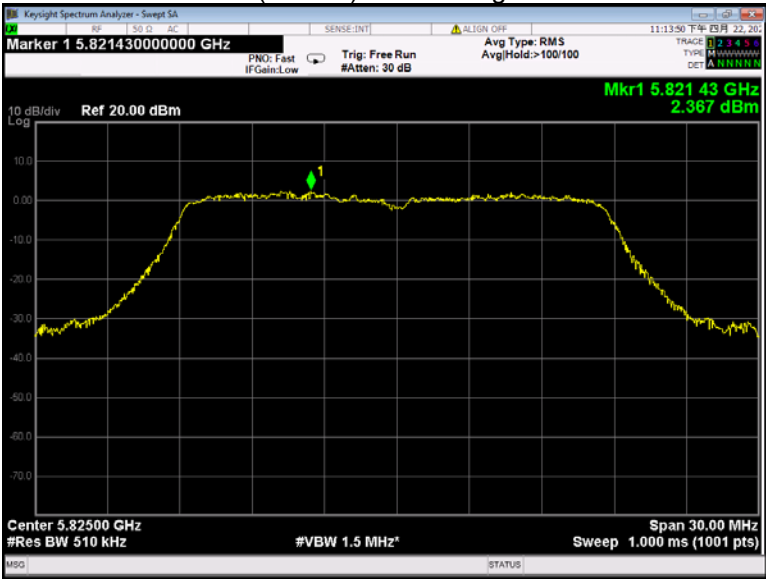
802.11ac(VHT20) U-NII-3 Low channel



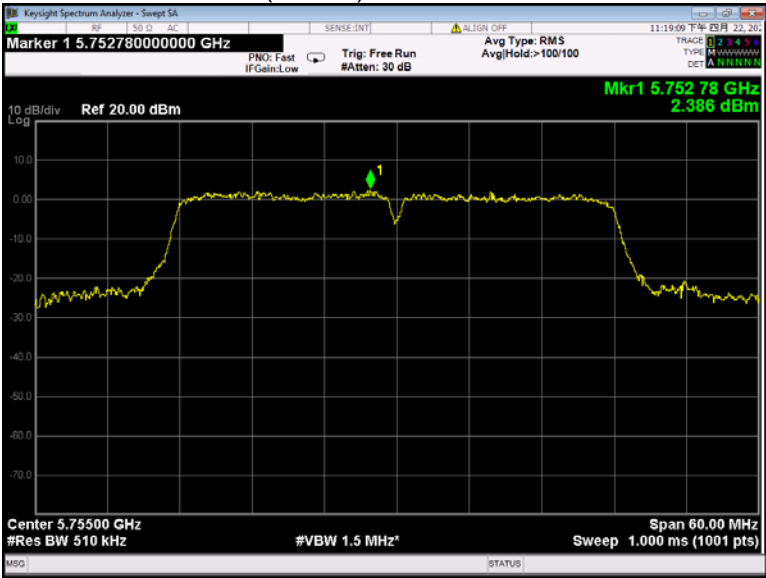
802.11ac(VHT20) U-NII-3 Middle channel



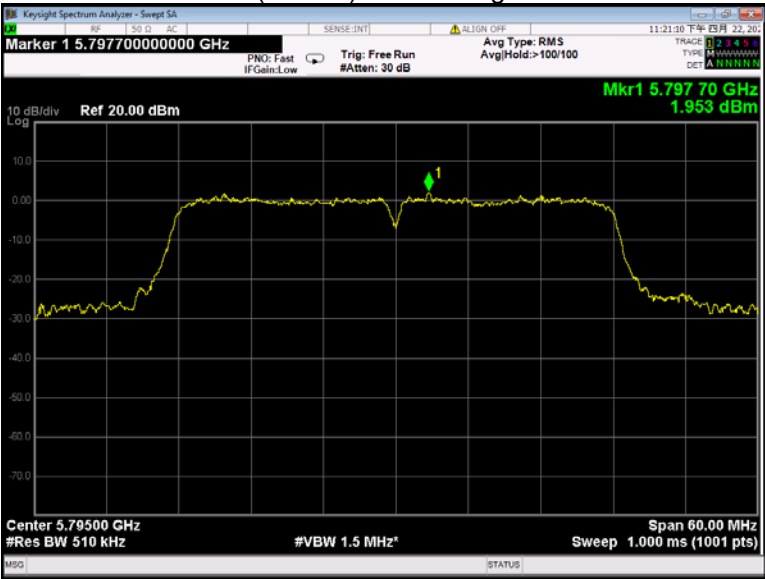
802.11ac(VHT20) U-NII-3 High channel



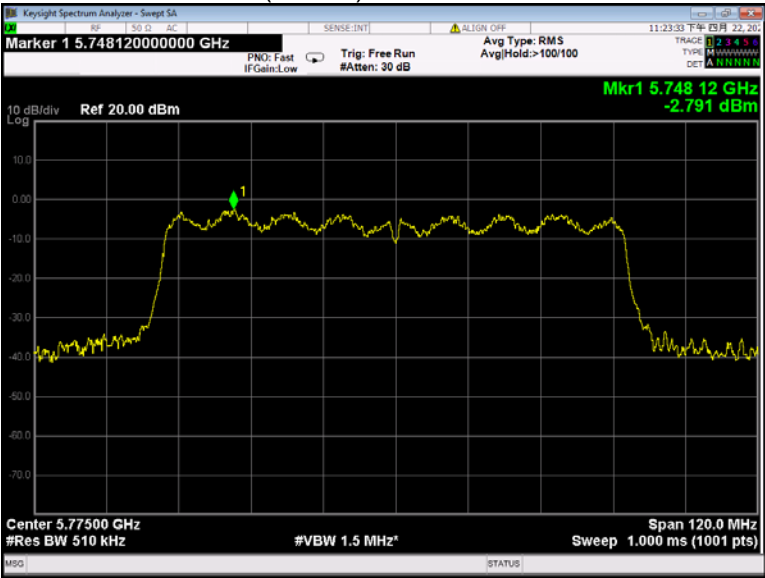
802.11ac(VHT40) U-NII-3 Low channel



802.11ac(VHT40) U-NII-3 High channel



802.11ac(VHT80) U-NII-3 Low channel



14 Frequency Stability

Test Requirement:	FCC 47CFR Part 15 Section 15.407(g)
Test Method:	ANSI C63.10-2020+A1-2024
Test Limit:	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual or 20ppm.
Test Result:	PASS

14.1 Test Procedure

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
EUT have transmitted absence of unmodulation signal and fixed channelise. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
2. Extreme temperature rule is $-30^{\circ}\text{C} \sim 85^{\circ}\text{C}$.

14.2 Test Result

U-NII-1 Test Frequency:5180MHz				
Temperature (°C)	Power Supply (VDC)	Frequency Error (MHz)	Frequency Error (ppm)	Limit (ppm)
65	3.3	0.0038	0.7335	20
60		0.0016	0.3019	20
50		0.0002	0.0335	20
40		0.0011	0.2080	20
30		0.0008	0.1483	20
20		0.0007	0.1430	20
10		0.0006	0.1195	20
0		0.0021	0.4133	20
-10		0.0021	0.4063	20
-20		0.0021	0.3994	20
20	2.805	0.0024	0.4577	20
20	3.795	0.0015	0.2914	20

U-NII-2A Test Frequency:5260MHz				
Temperature (°C)	Power Supply (VDC)	Frequency Error (MHz)	Frequency Error (ppm)	Limit (ppm)
65	3.3	0.0052	0.9860	20
60		0.0020	0.3812	20
50		0.0005	0.0916	20
40		0.0017	0.3278	20
30		0.0005	0.0875	20
20		0.0006	0.1134	20
10		0.0013	0.2414	20
0		0.0016	0.3012	20
-10		0.0014	0.2626	20
-20		0.0018	0.3497	20
20	2.805	0.0018	0.3382	20
20	3.795	0.0020	0.3732	20

U-NII-2C Test Frequency:5500MHz				
Temperature (°C)	Power Supply (VDC)	Frequency Error (MHz)	Frequency Error (ppm)	Limit (ppm)
65	3.3	0.0048	0.8760	20
60		0.0005	0.0831	20
50		0.0015	0.2732	20
40		0.0014	0.2586	20
30		0.0018	0.3238	20
20		0.0003	0.0591	20
10		0.0005	0.0957	20
0		0.0003	0.0495	20
-10		0.0009	0.1574	20
-20		0.0017	0.3154	20
20	2.805	0.0009	0.1727	20
20	3.795	0.0012	0.2120	20

U-NII-3 Test Frequency:5785MHz				
Temperature (°C)	Power Supply (VDC)	Frequency Error (MHz)	Frequency Error (ppm)	Limit (ppm)
65	3.3	0.0040	0.6916	20
60		0.0021	0.3716	20
50		0.0013	0.2178	20
40		0.0018	0.3067	20
30		0.0020	0.3435	20
20		0.0019	0.3310	20
10		0.0015	0.2558	20
0		0.0004	0.0706	20
-10		0.0013	0.2291	20
-20		0.0017	0.2889	20
20	2.805	0.0022	0.3719	20
20	3.795	0.0015	0.2590	20

15 Antenna Requirement

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

This device uses of an external antenna that uses a specified coupling to the intentional radiator. Antenna connectors complied with the requirement.

16 RF Exposure

Remark: refer to MPE test report: WTX25D02025644W004.

17 Photographs of test setup and EUT.

Note: Please refer to appendix: Appendix-CDW208821C-Photos.

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