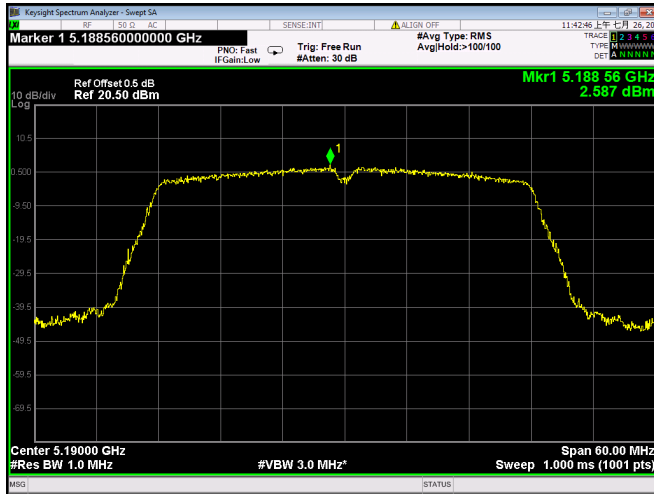
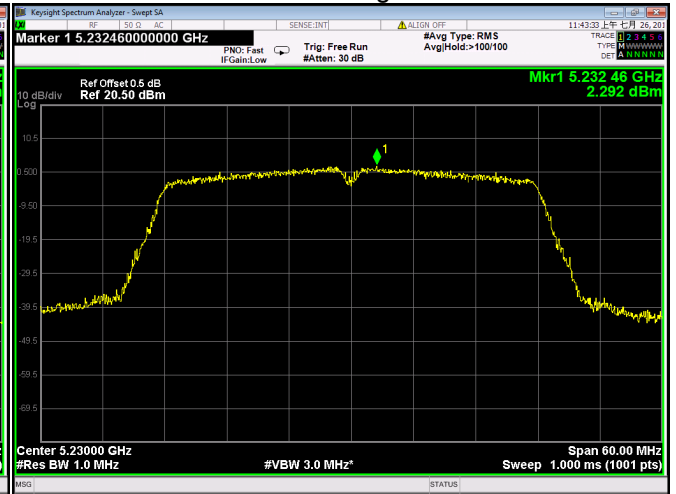


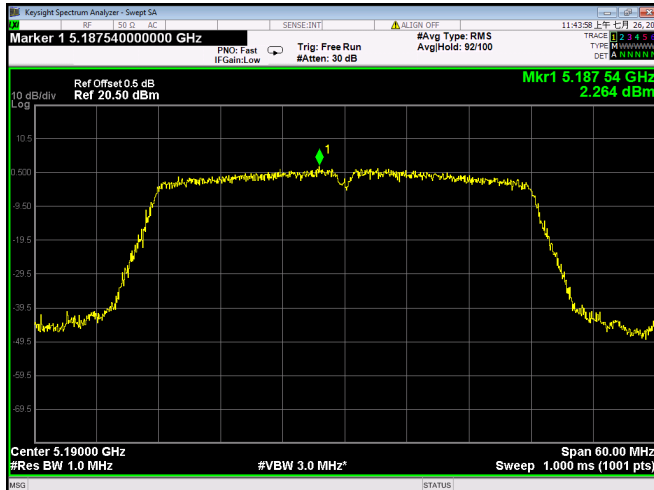
802.11n HT40 Low channel



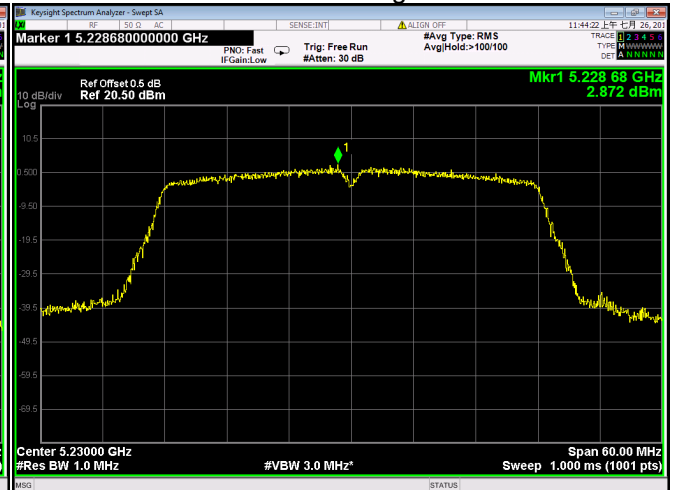
802.11n HT40 High channel



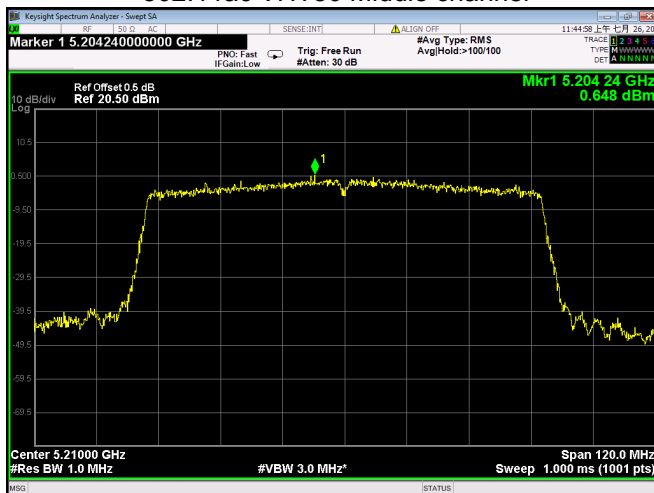
802.11ac VHT40 Low channel



802.11ac VHT40 High channel

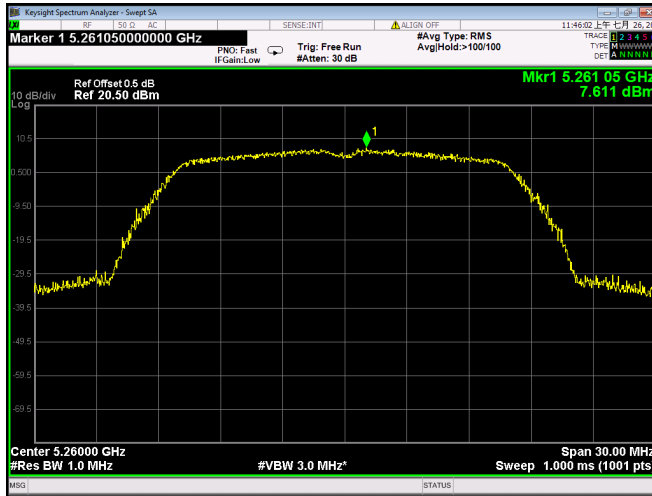


802.11ac VHT80 Middle channel

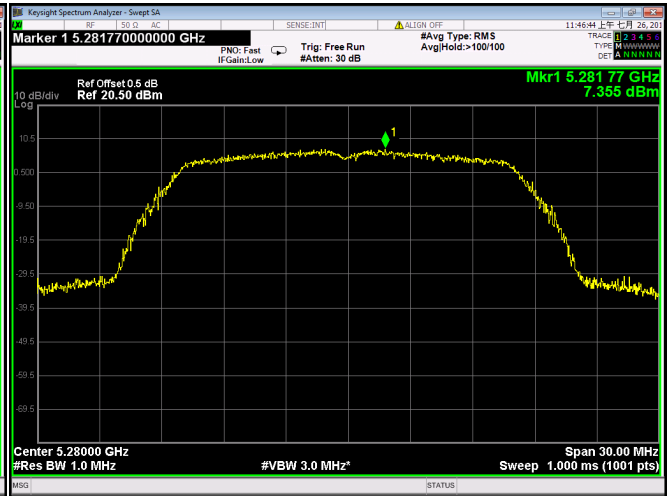


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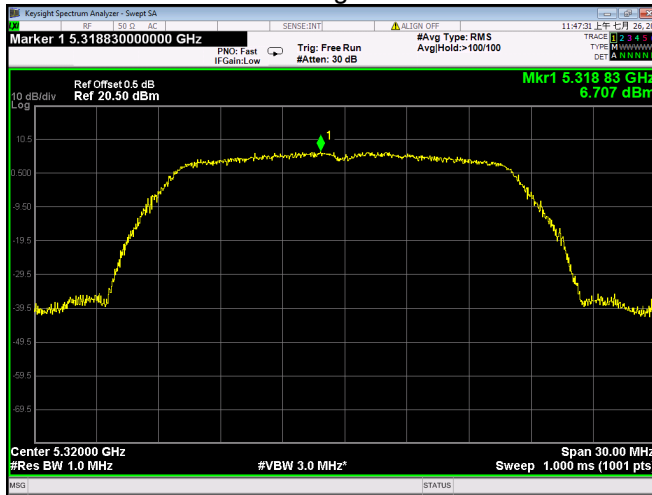
802.11a Low channel



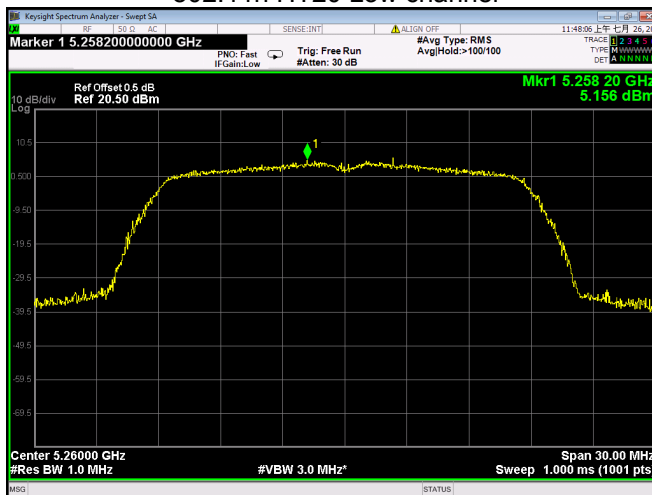
802.11a Middle channel



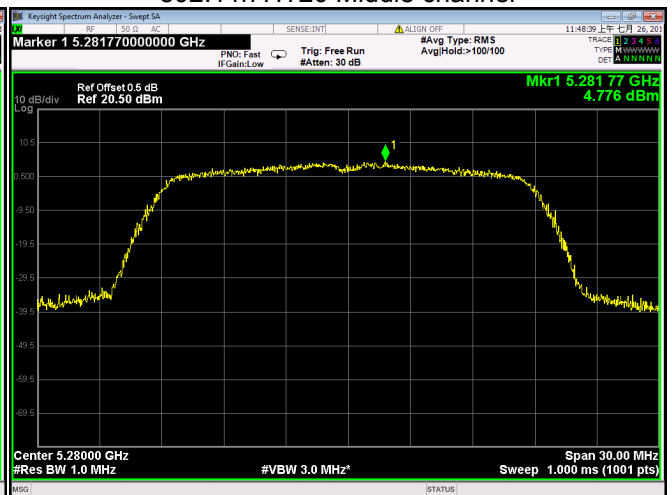
802.11a High channel



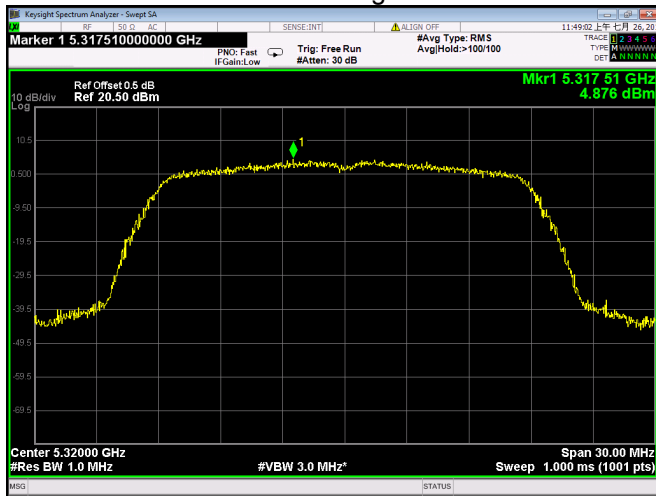
802.11n HT20 Low channel



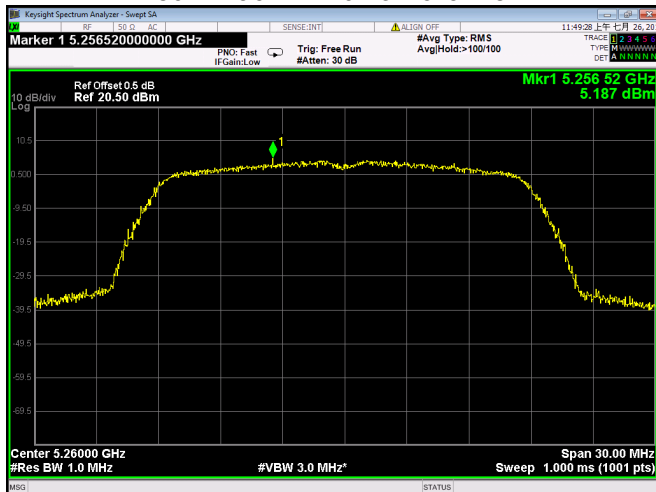
802.11n HT20 Middle channel



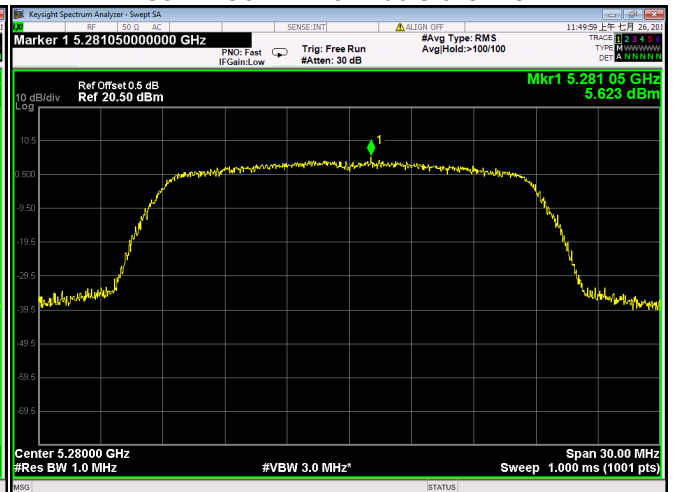
802.11n HT20 High channel



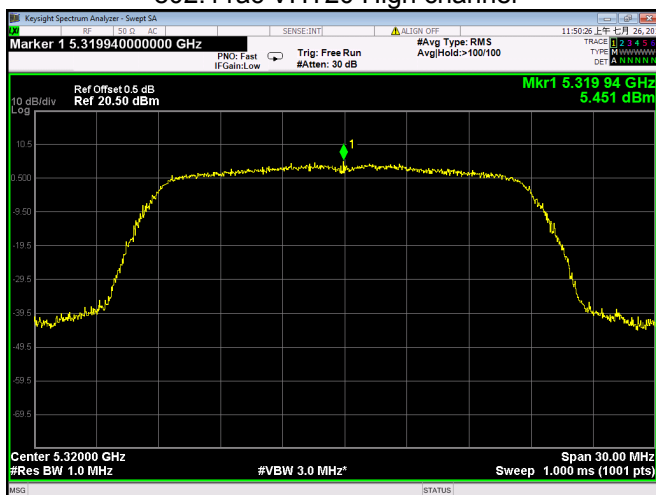
802.11ac VHT20 Low channel



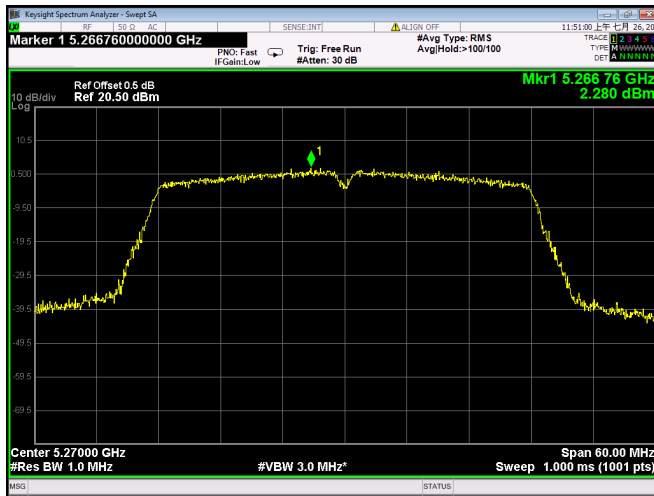
802.11ac VHT20 Middle channel



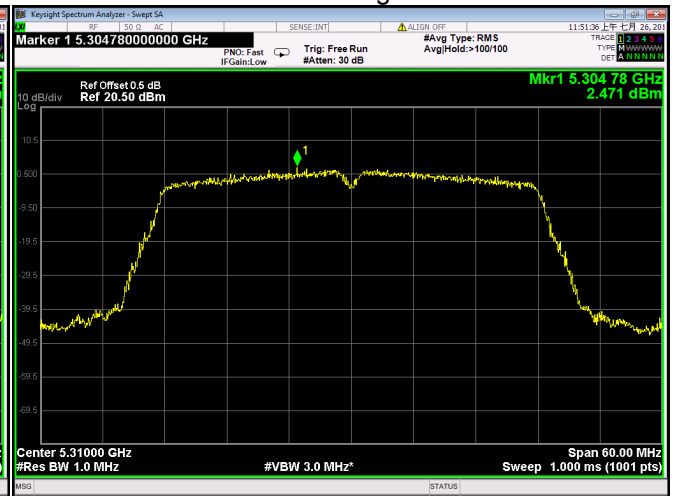
802.11ac VHT20 High channel



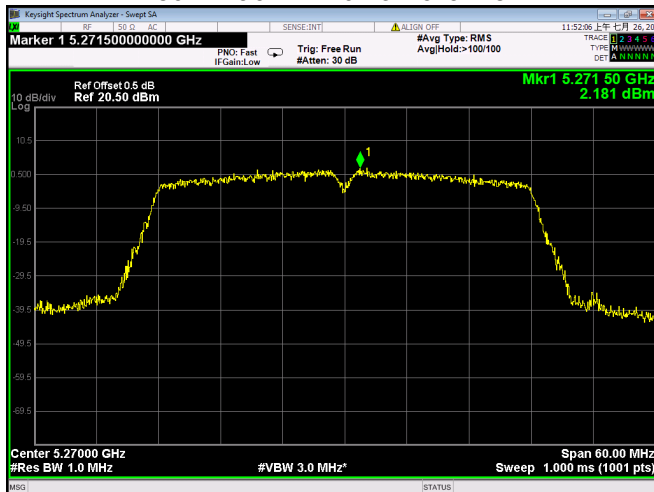
802.11n HT40 Low channel



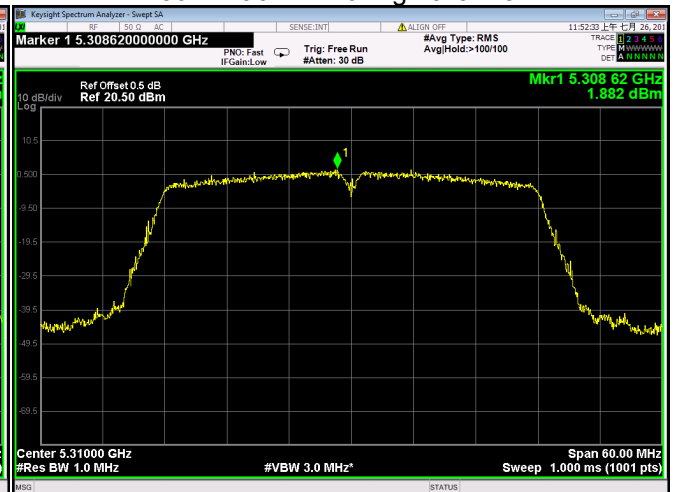
802.11n HT40 High channel



802.11ac VHT40 Low channel



802.11ac VHT40 High channel

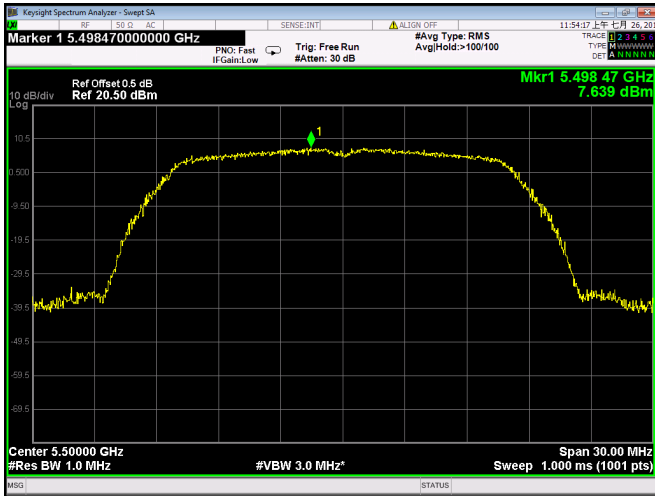


802.11ac VHT80 Middle channel

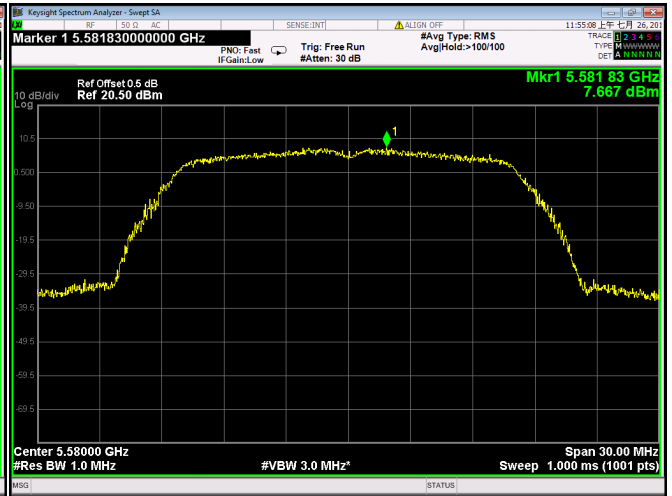


U-NII-2C

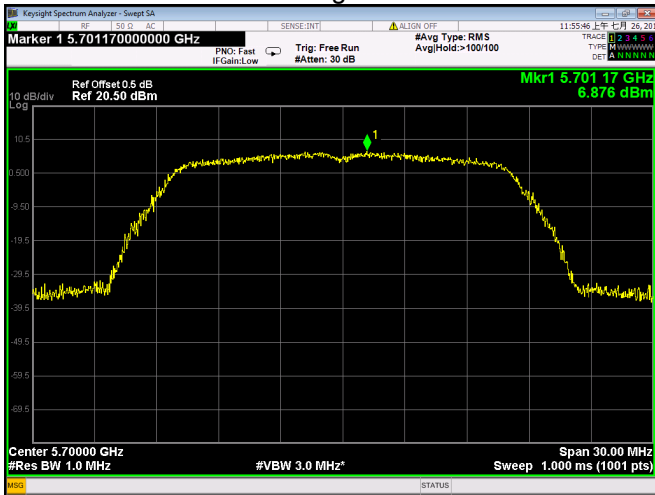
802.11a Low channel



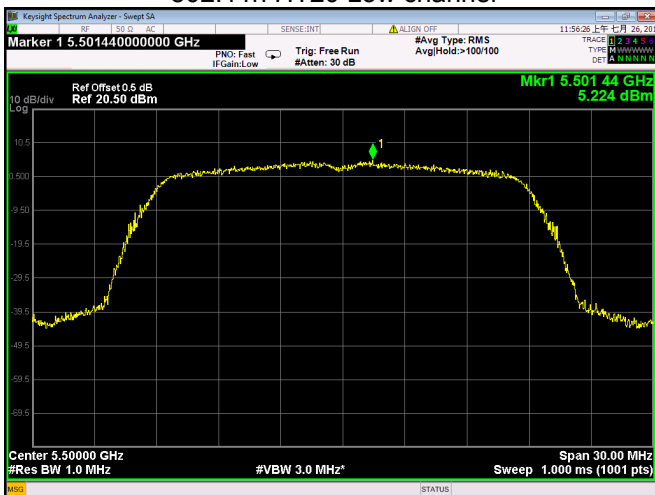
802.11a Middle channel



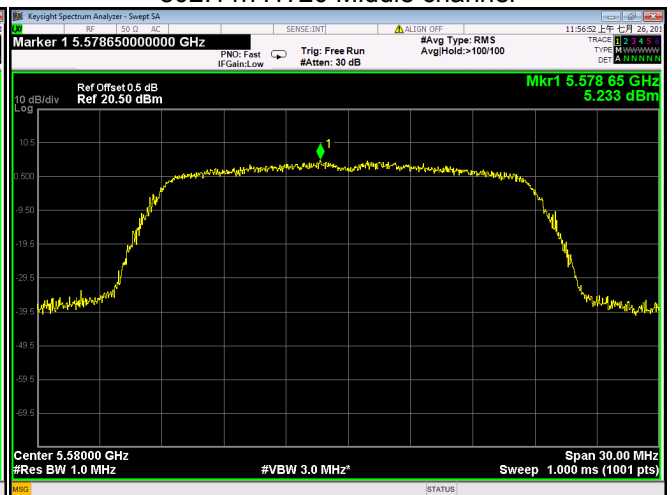
802.11a High channel



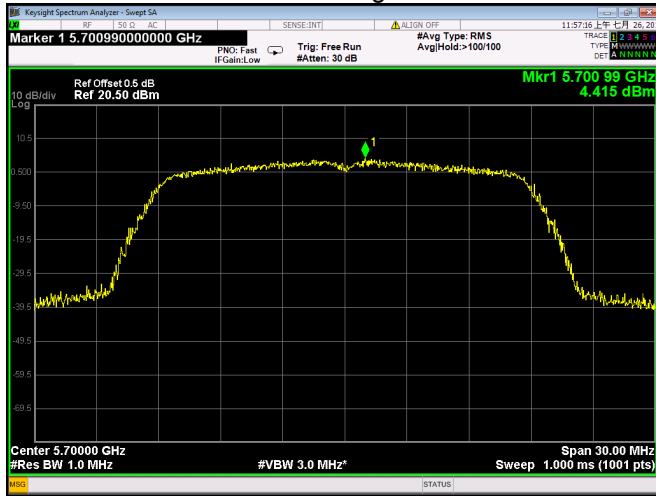
802.11n HT20 Low channel



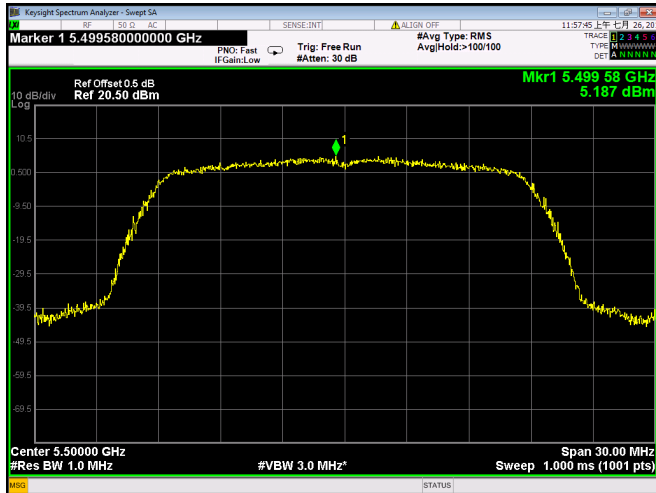
802.11n HT20 Middle channel



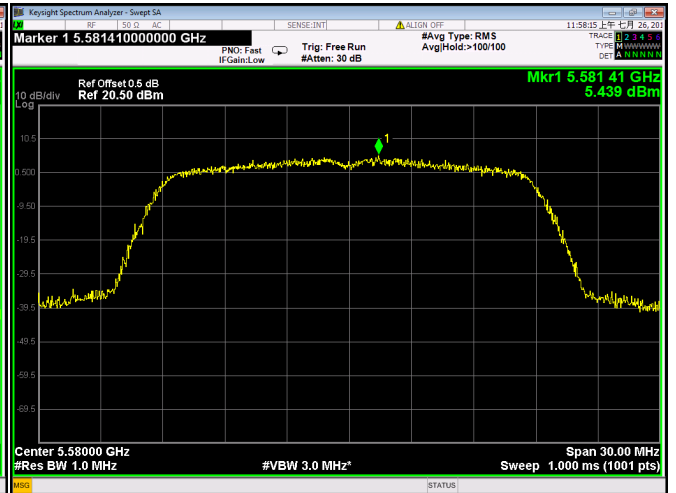
802.11n HT20 High channel



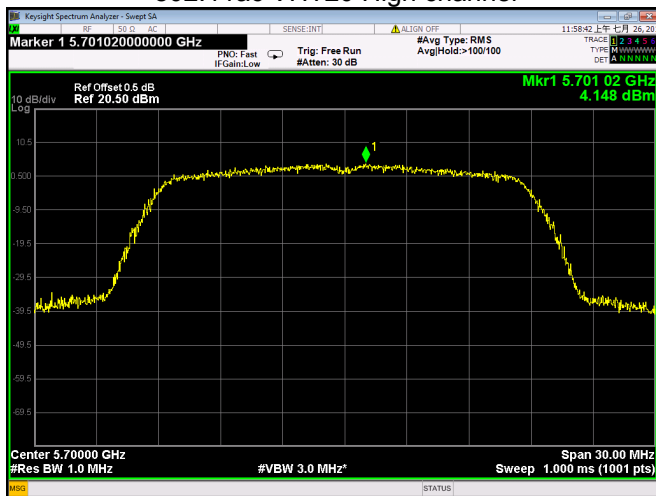
802.11ac VHT20 Low channel



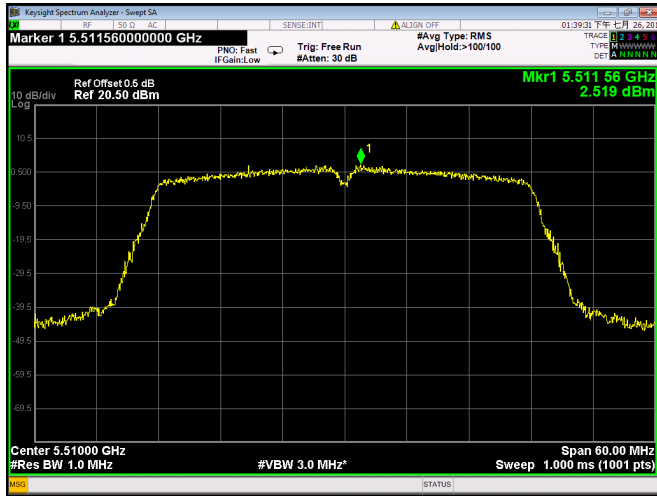
802.11ac VHT20 Middle channel



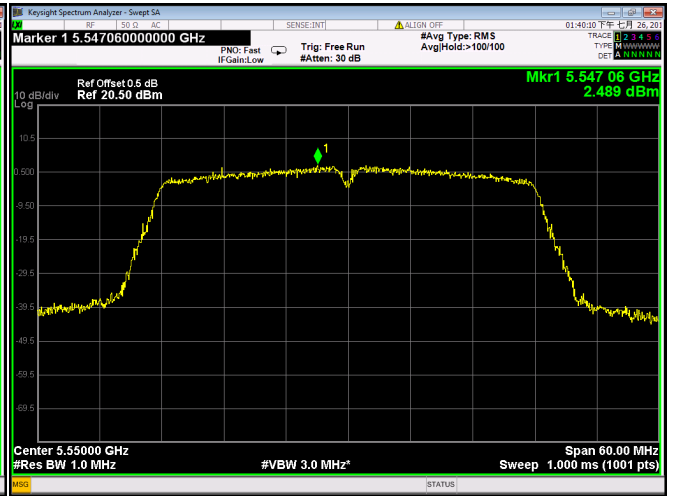
802.11ac VHT20 High channel



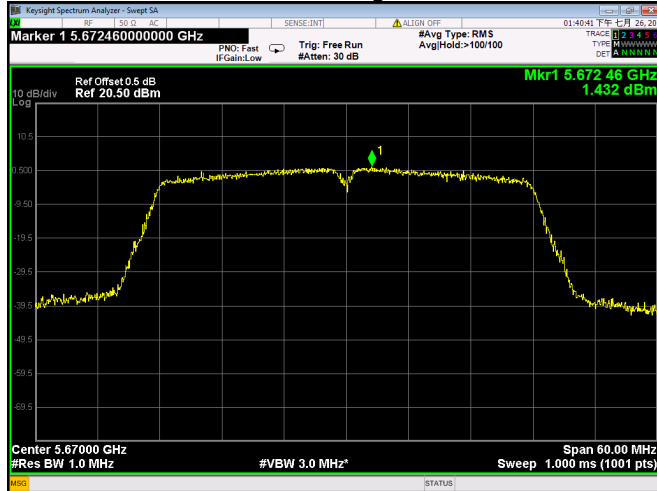
802.11n HT40 Low channel



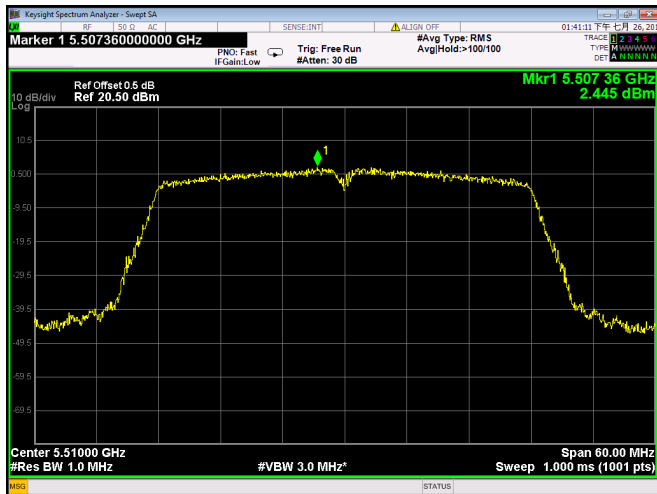
802.11n HT40 Middle channel



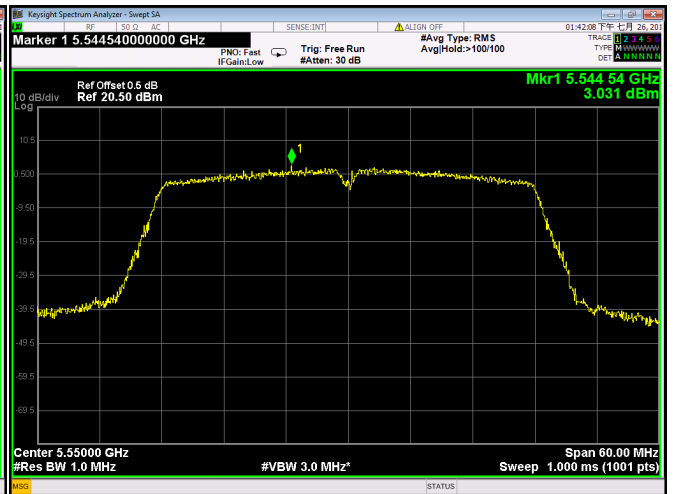
802.11n HT40 High channel



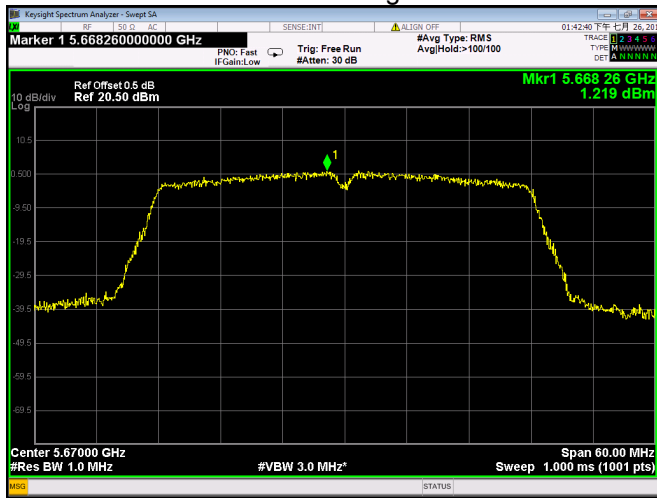
802.11ac VHT40 Low channel



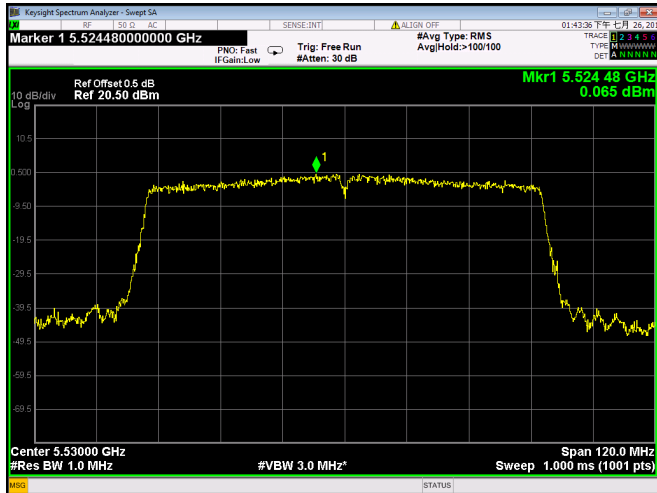
802.11ac VHT40 Middle channel



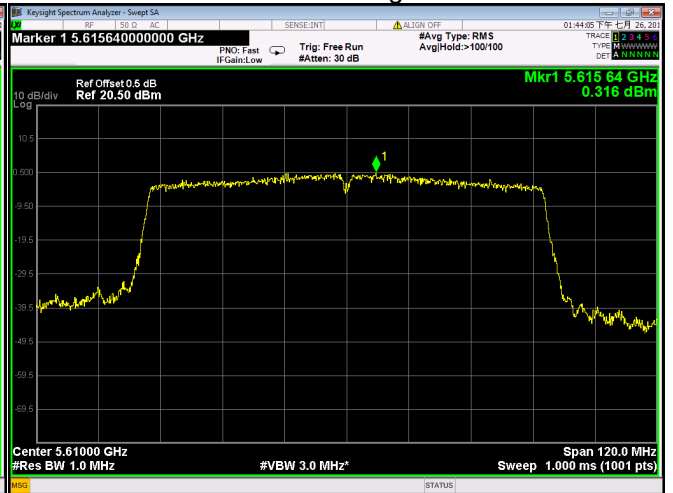
802.11ac VHT40 High channel



802.11ac VHT80 Low channel

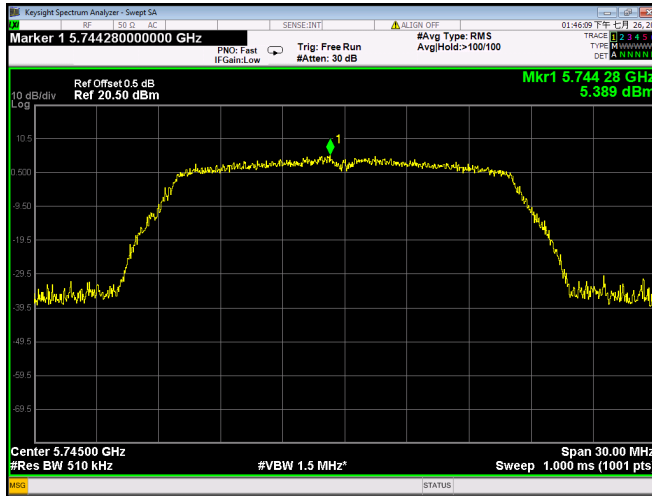


802.11ac VHT80 High channel

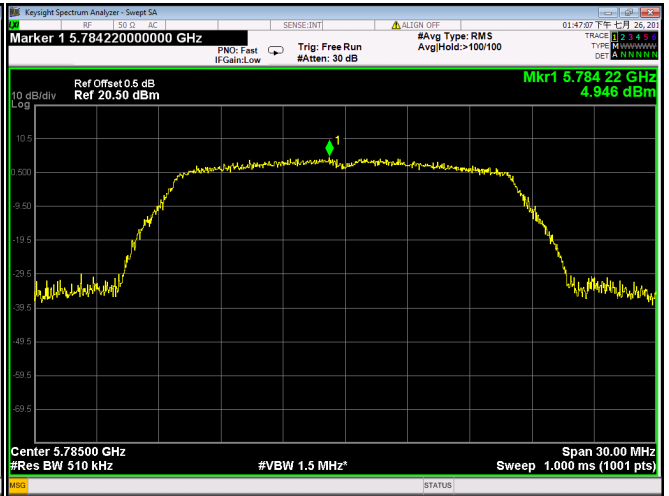


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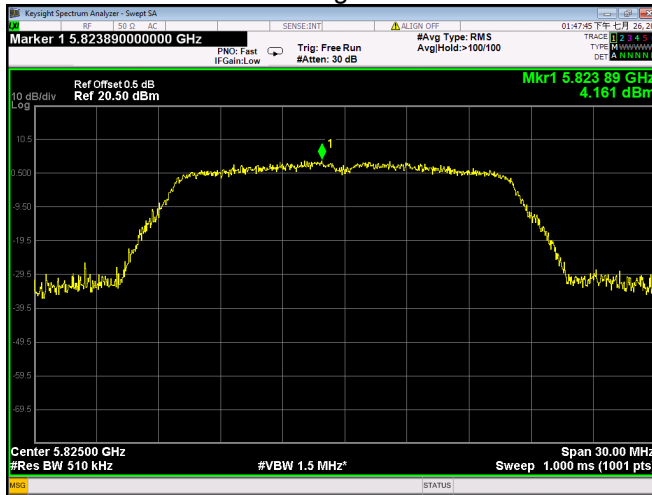
802.11a Low channel



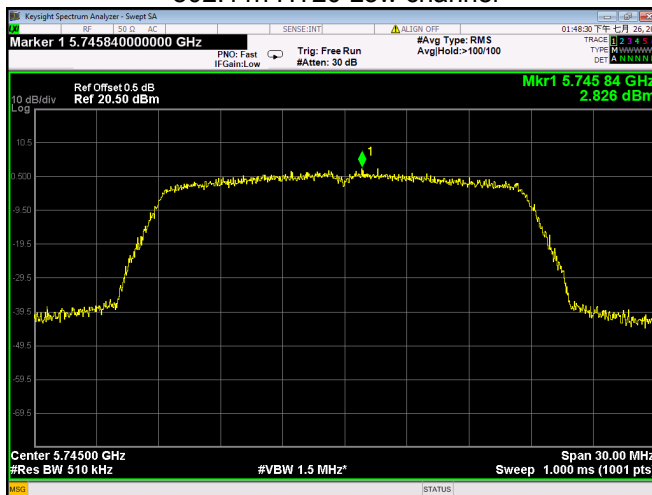
802.11a Middle channel



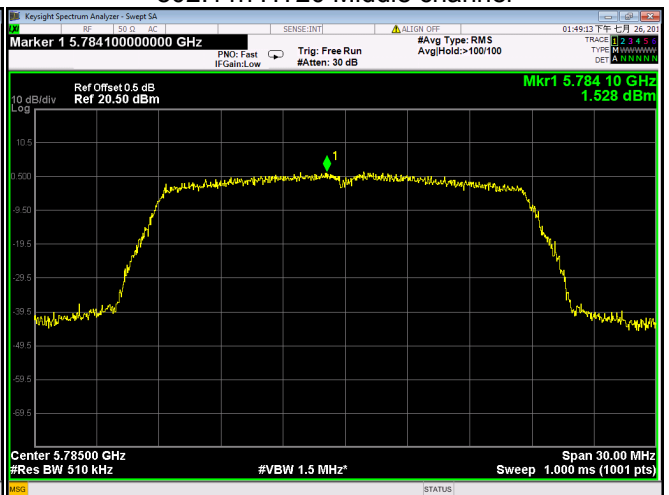
802.11a High channel



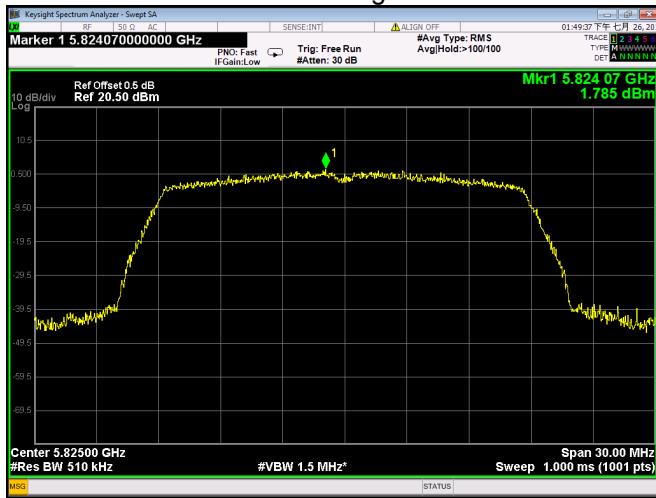
802.11n HT20 Low channel



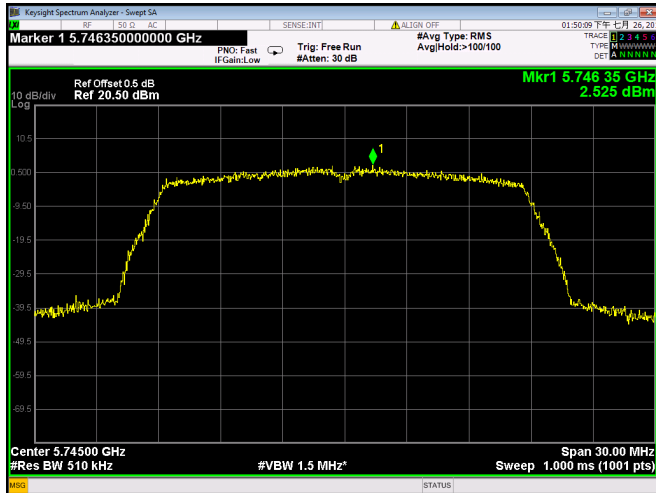
802.11n HT20 Middle channel



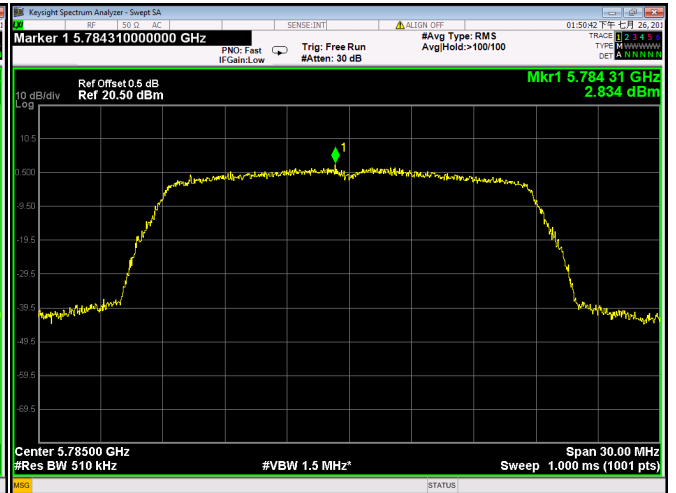
802.11n HT20 High channel



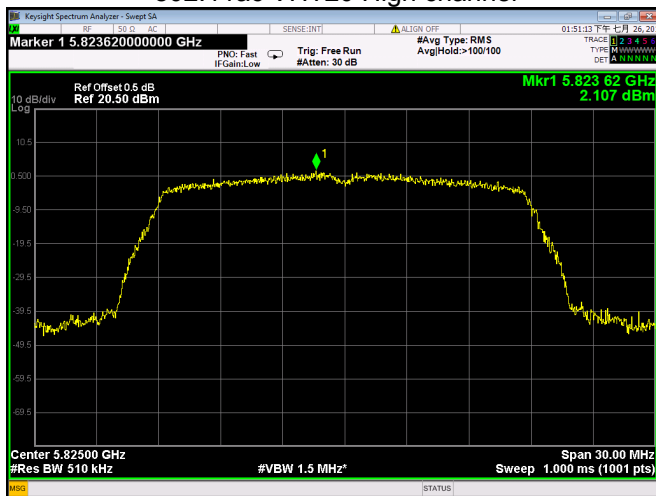
802.11ac VHT20 Low channel



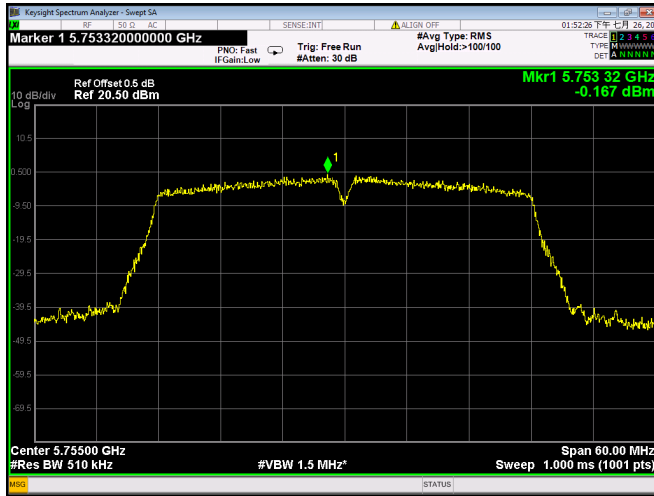
802.11ac VHT20 Middle channel



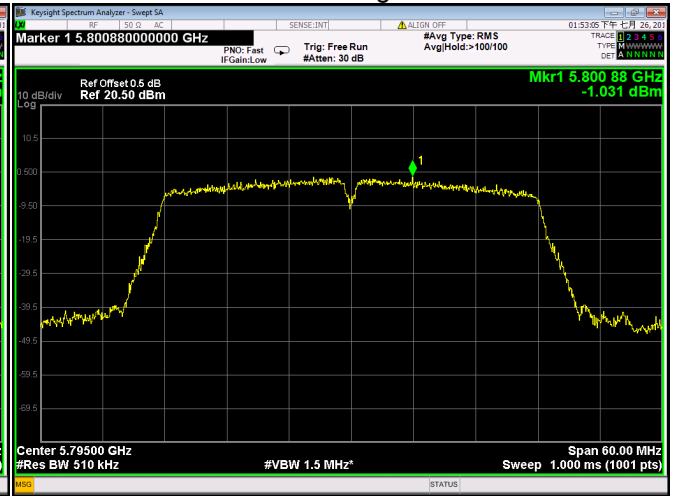
802.11ac VHT20 High channel



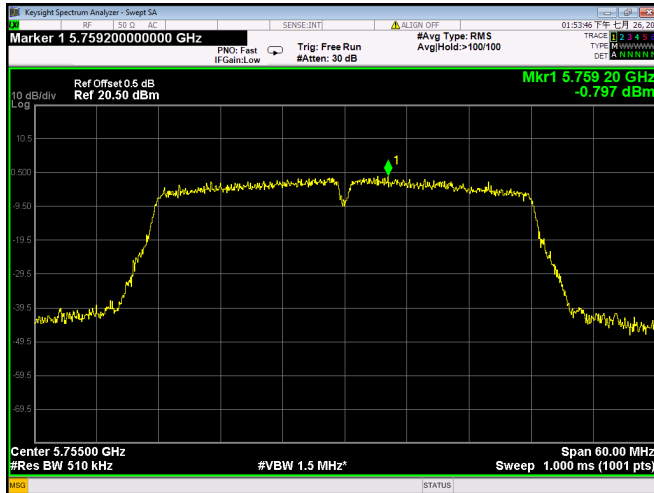
802.11n HT40 Low channel



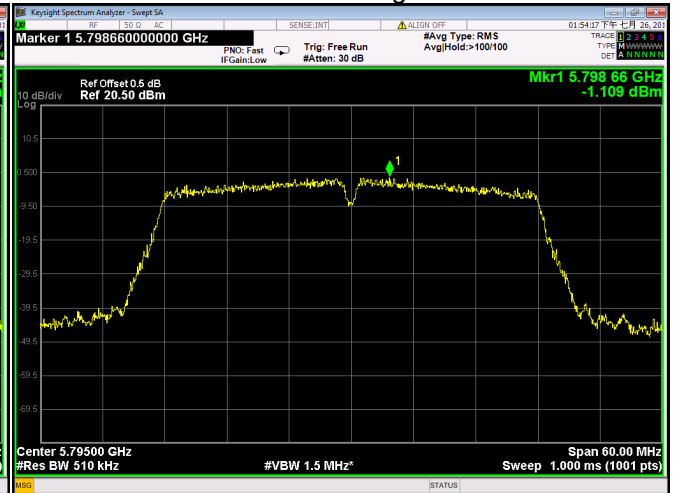
802.11n HT40 High channel



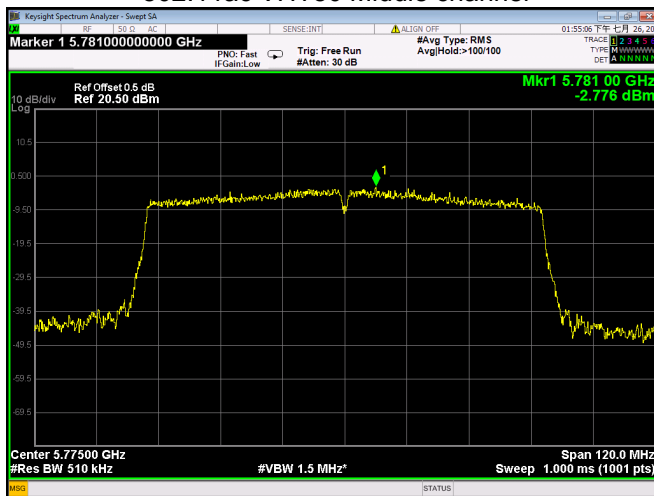
802.11ac VHT40 Low channel



802.11ac VHT40 High channel

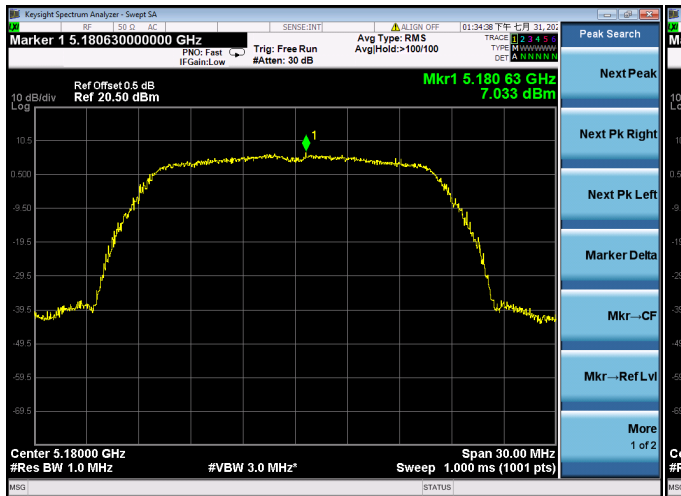


802.11ac VHT80 Middle channel

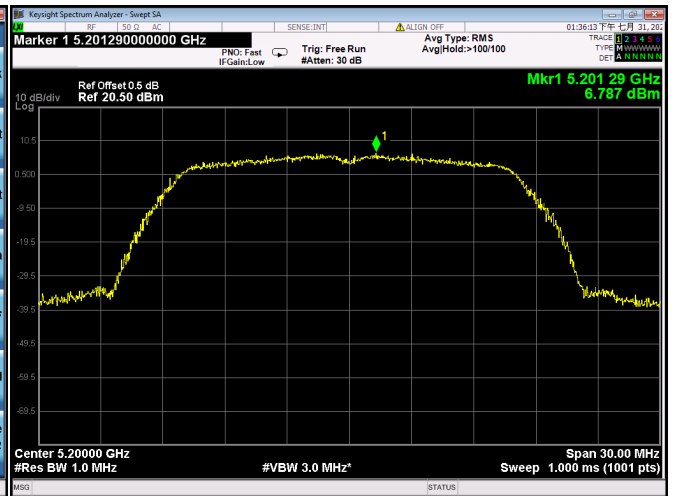


**Ant. 2
U-NII-1**

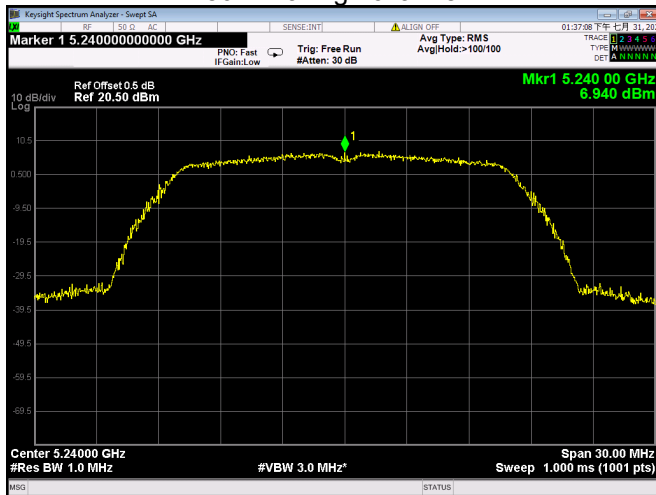
802.11a Low channel



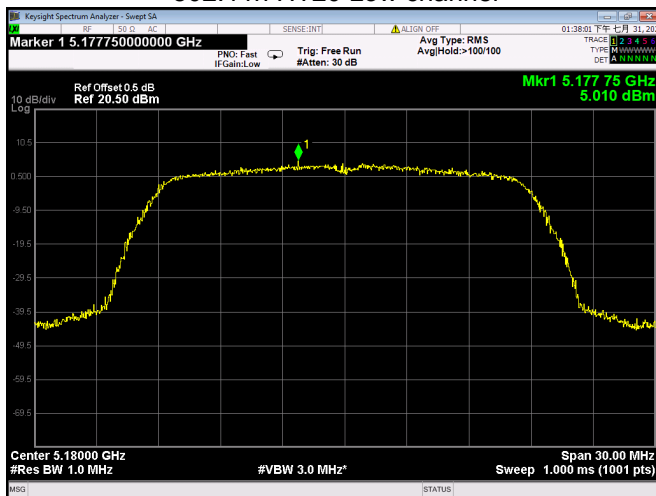
802.11a Middle channel



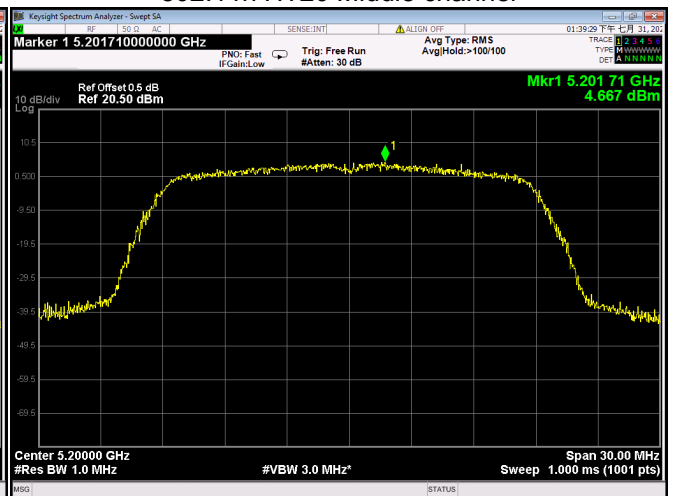
802.11a High channel



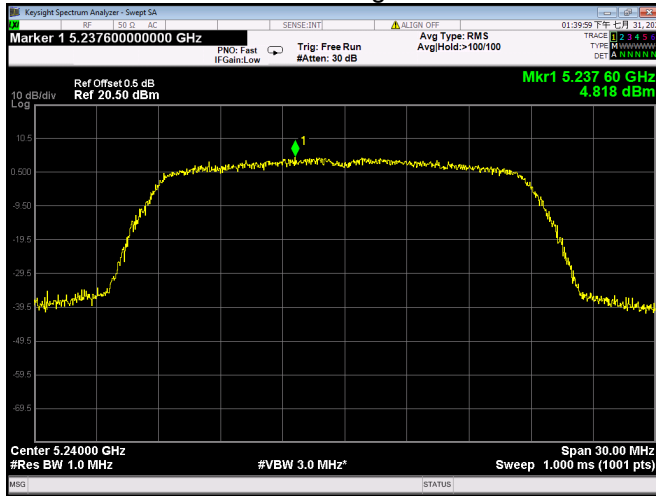
802.11n HT20 Low channel



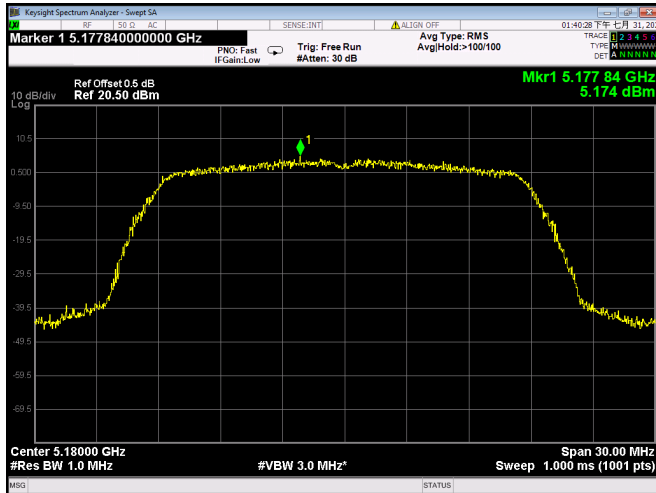
802.11n HT20 Middle channel



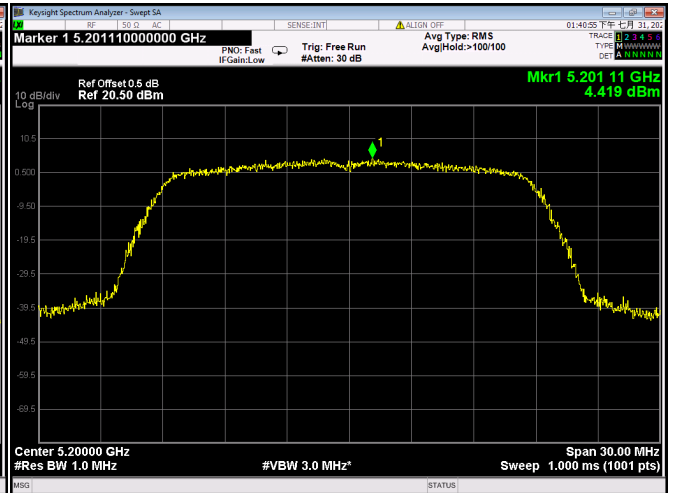
802.11n HT20 High channel



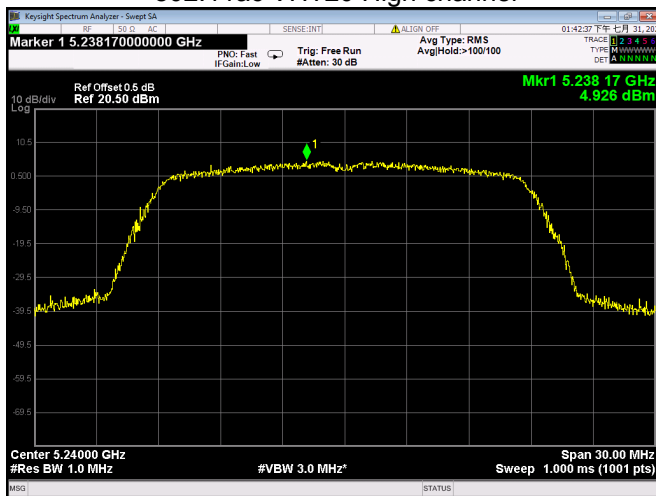
802.11ac VHT20 Low channel



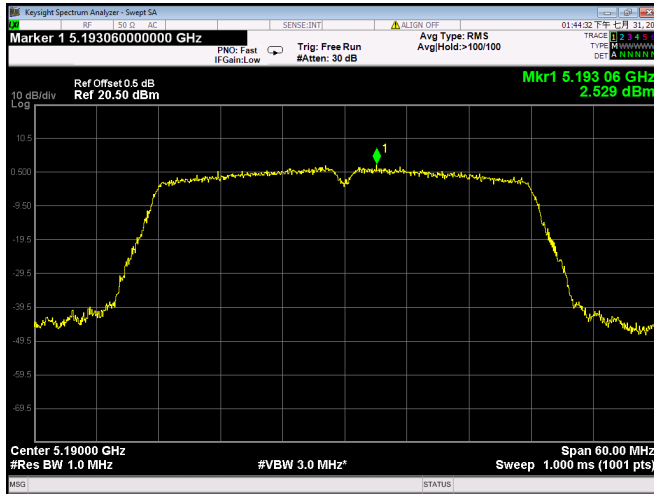
802.11ac VHT20 Middle channel



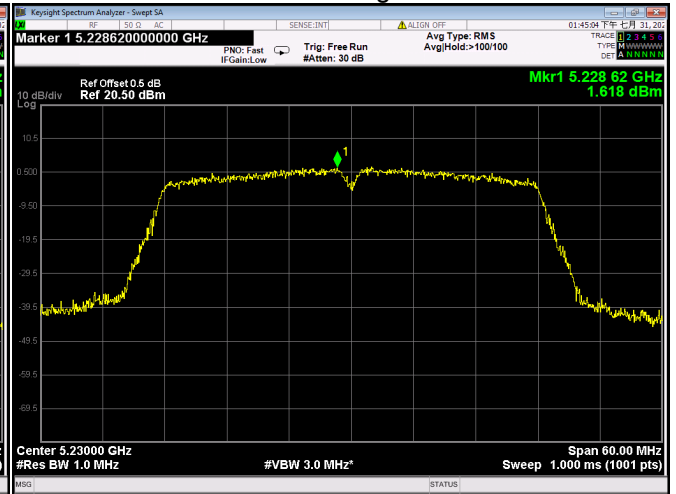
802.11ac VHT20 High channel



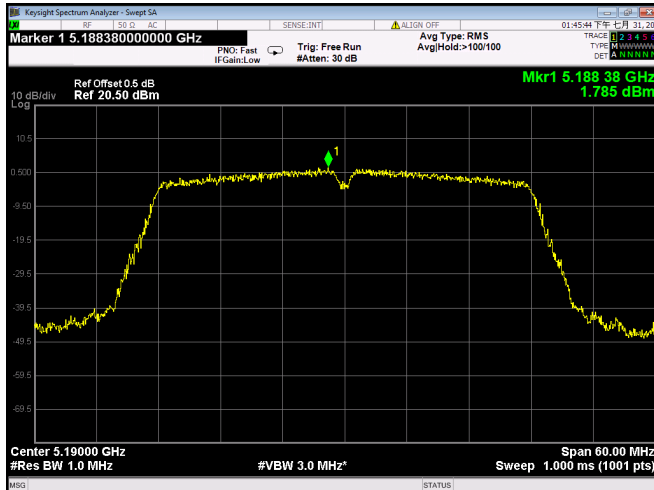
802.11n HT40 Low channel



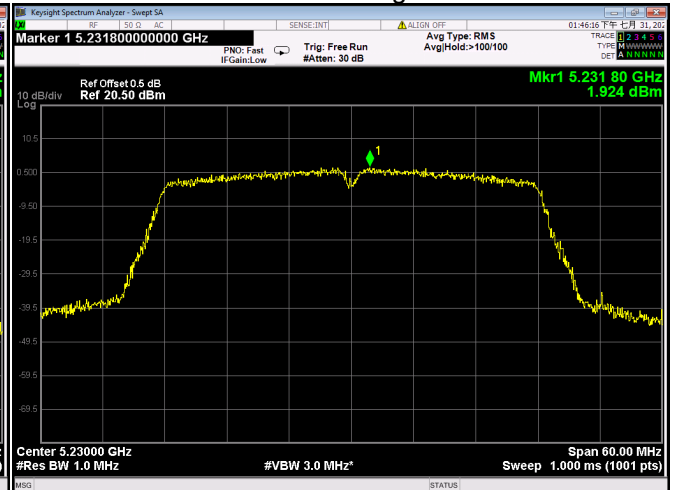
802.11n HT40 High channel



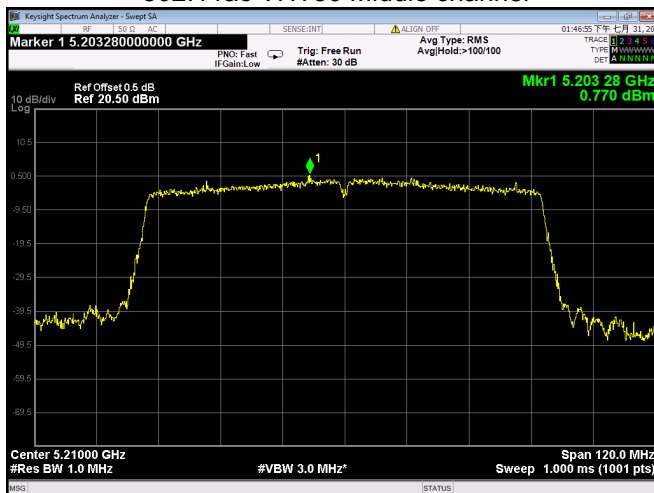
802.11ac VHT40 Low channel



802.11ac VHT40 High channel

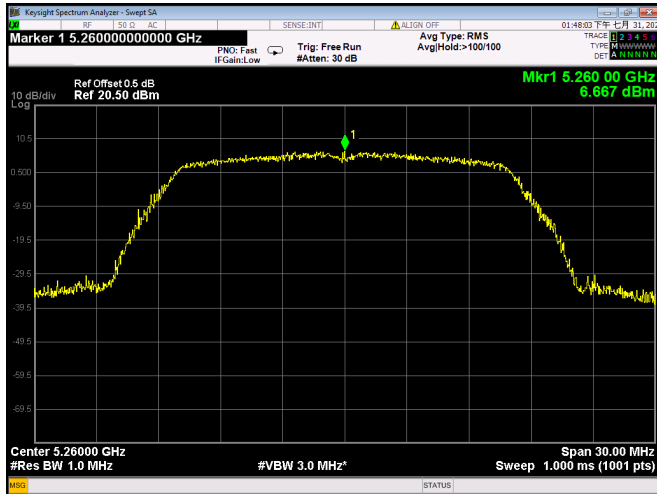


802.11ac VHT80 Middle channel

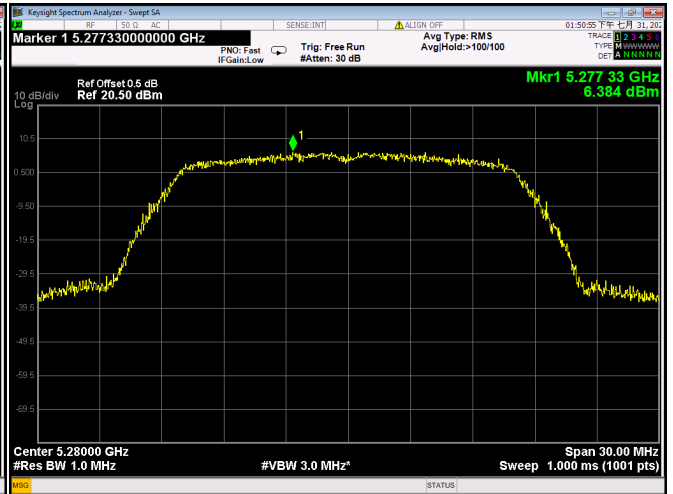


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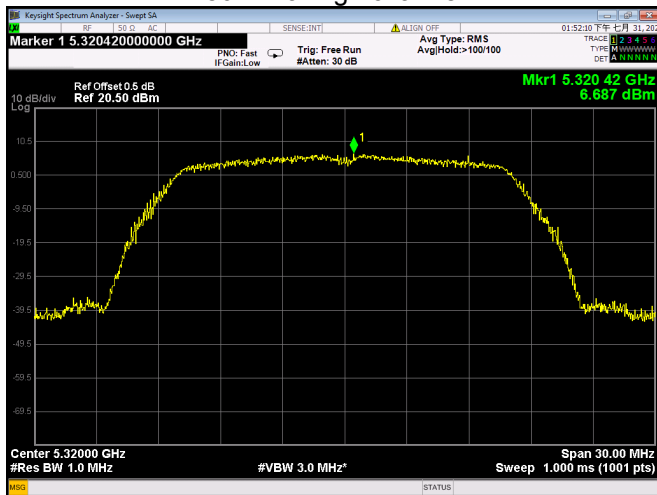
802.11a Low channel



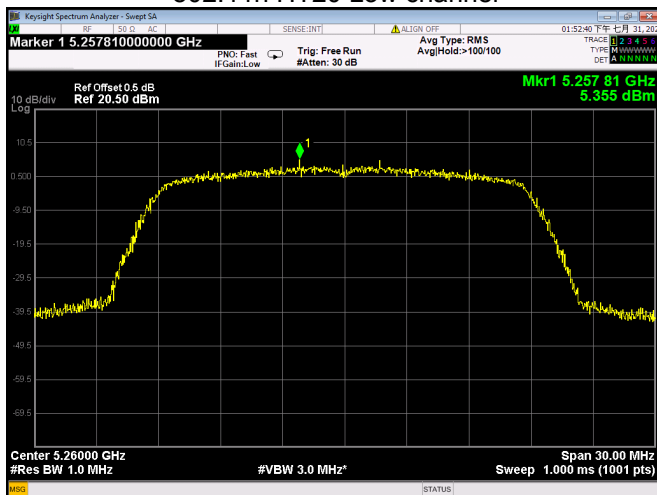
802.11a Middle channel



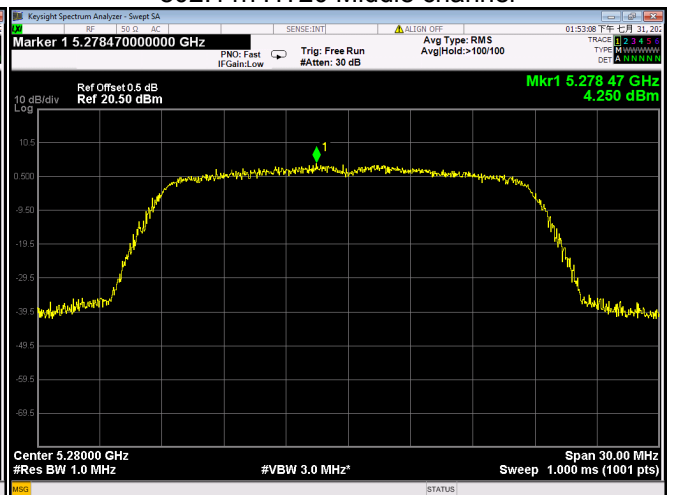
802.11a High channel



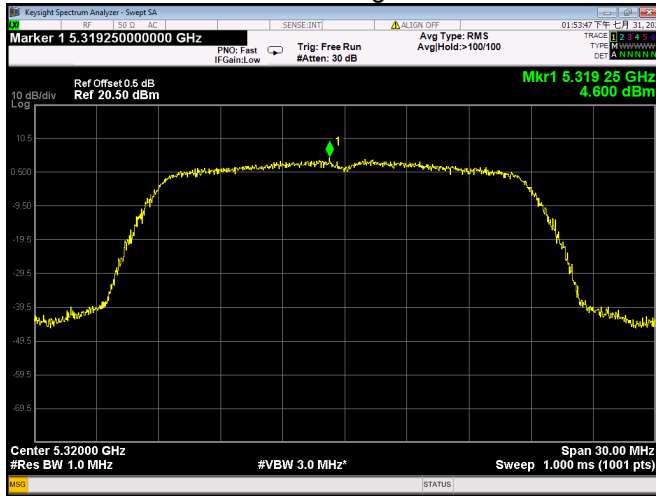
802.11n HT20 Low channel



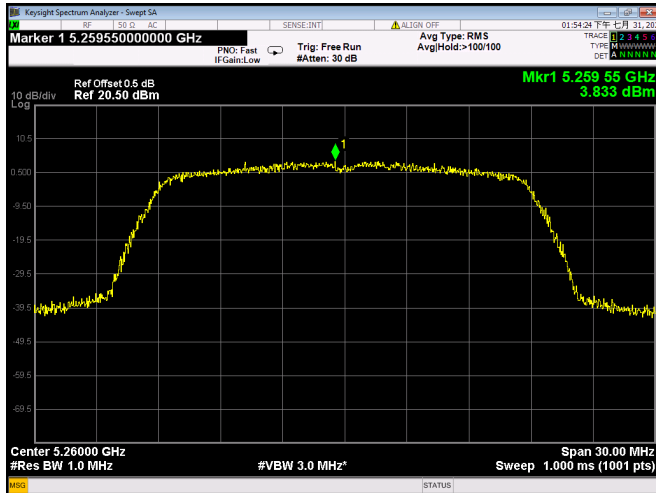
802.11n HT20 Middle channel



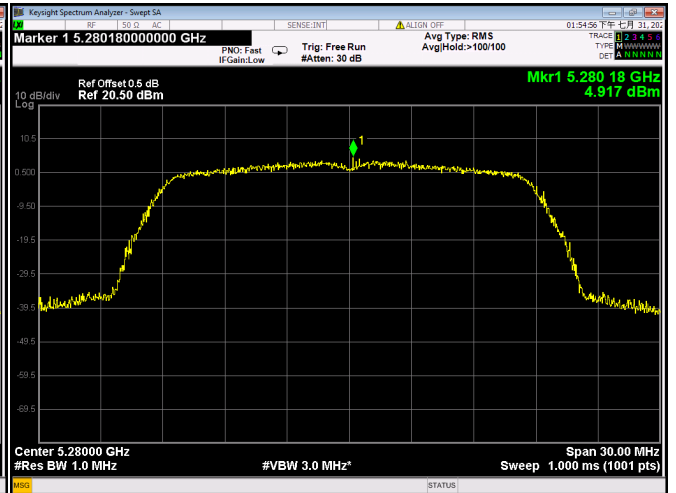
802.11n HT20 High channel



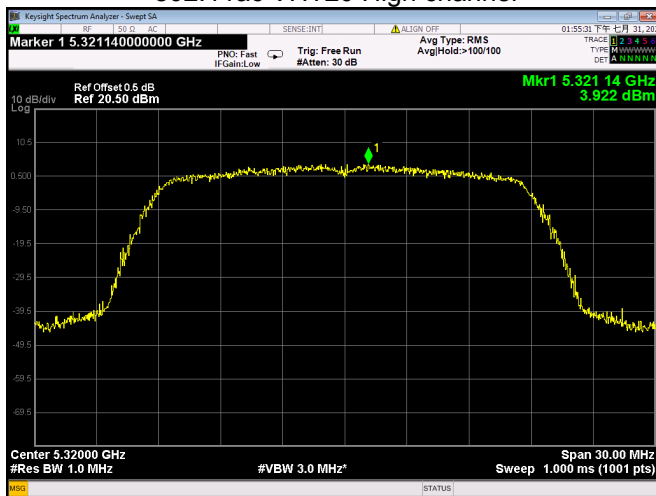
802.11ac VHT20 Low channel



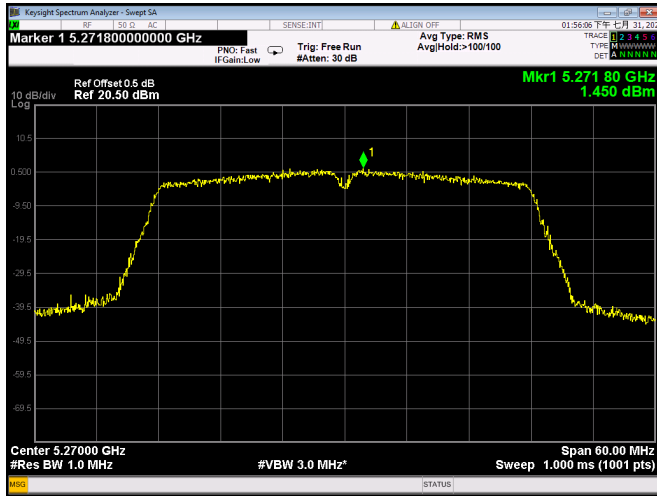
802.11ac VHT20 Middle channel



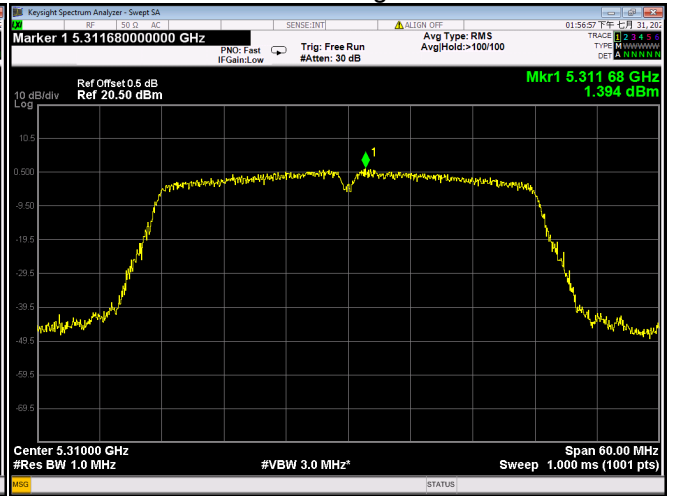
802.11ac VHT20 High channel



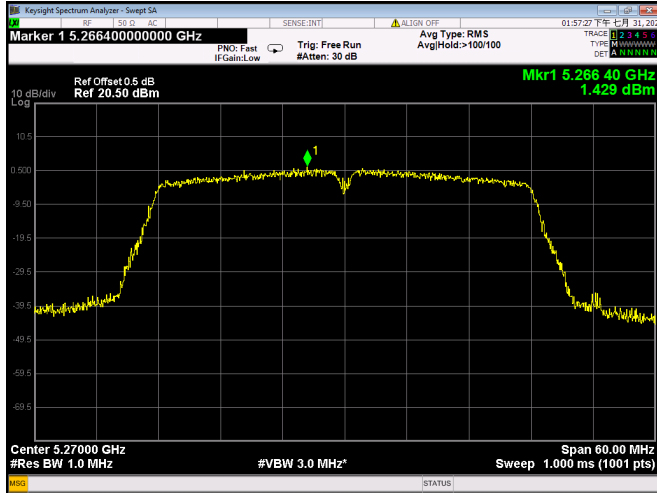
802.11n HT40 Low channel



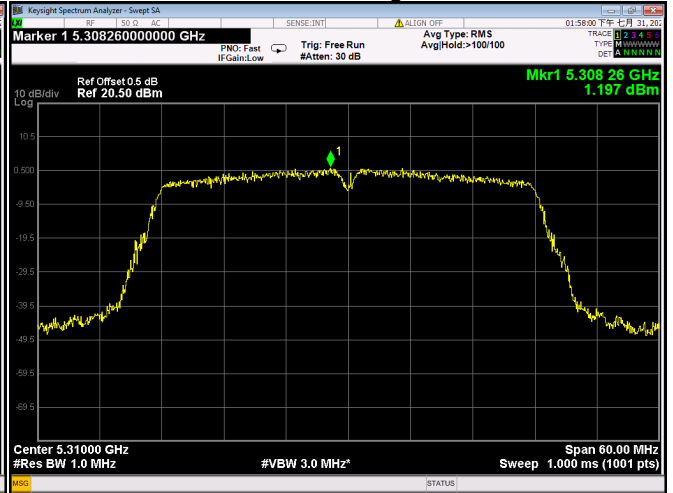
802.11n HT40 High channel



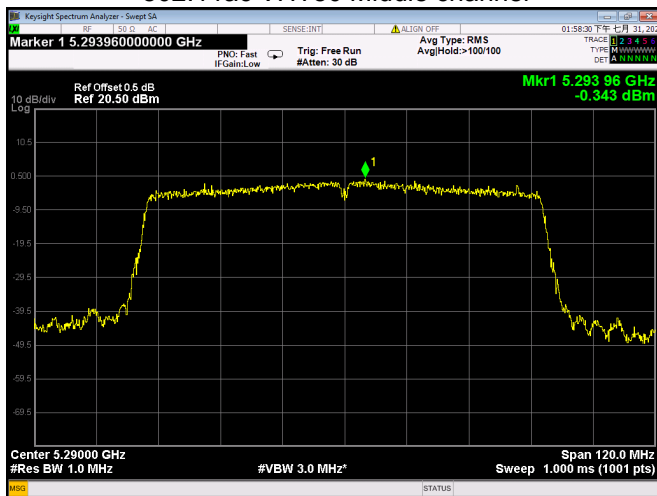
802.11ac VHT40 Low channel



802.11ac VHT40 High channel

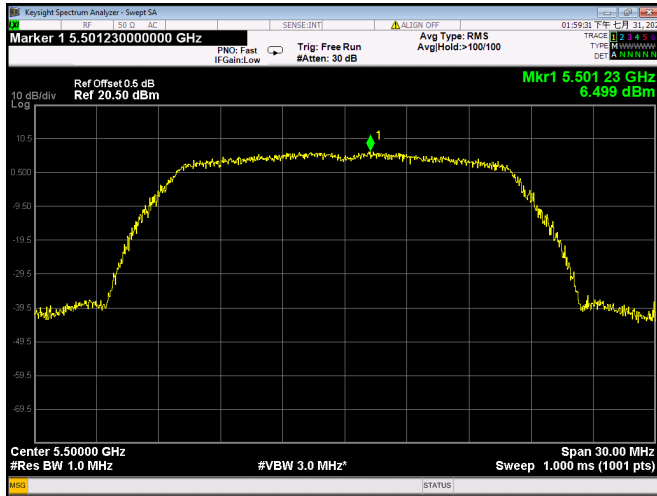


802.11ac VHT80 Middle channel

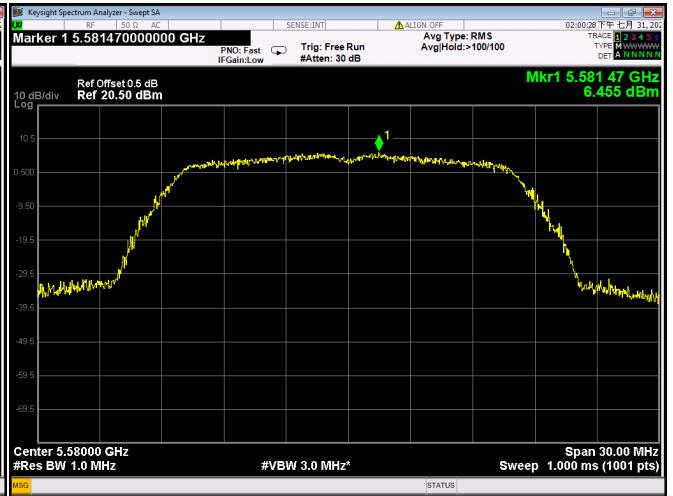


U-NII-2C

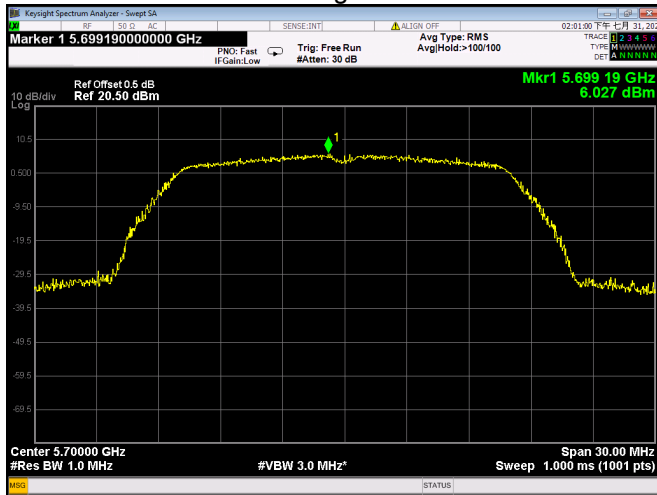
802.11a Low channel



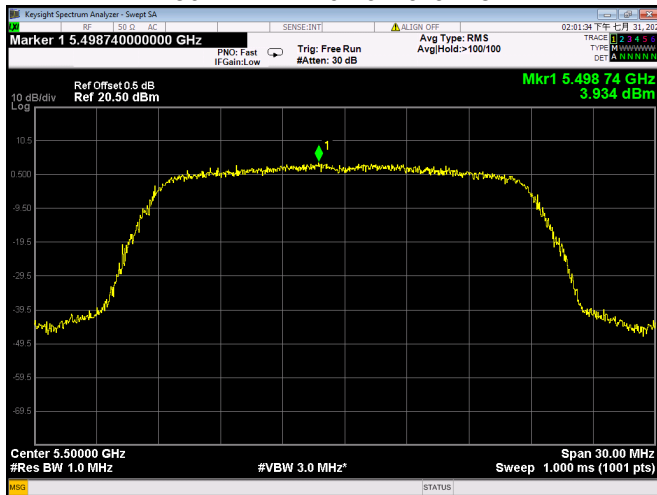
802.11a Middle channel



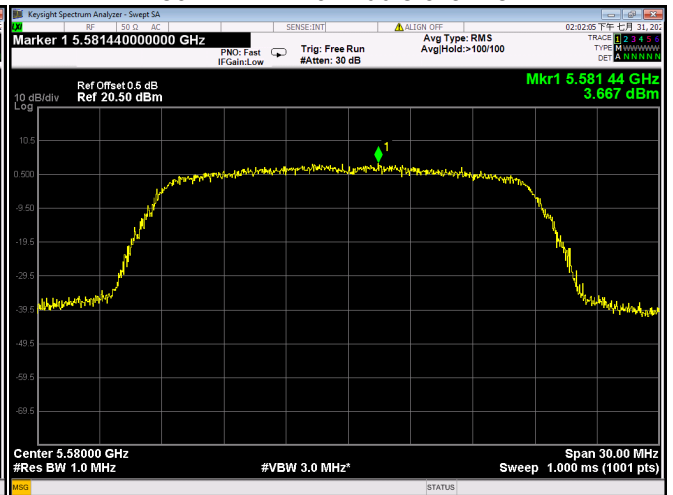
802.11a High channel



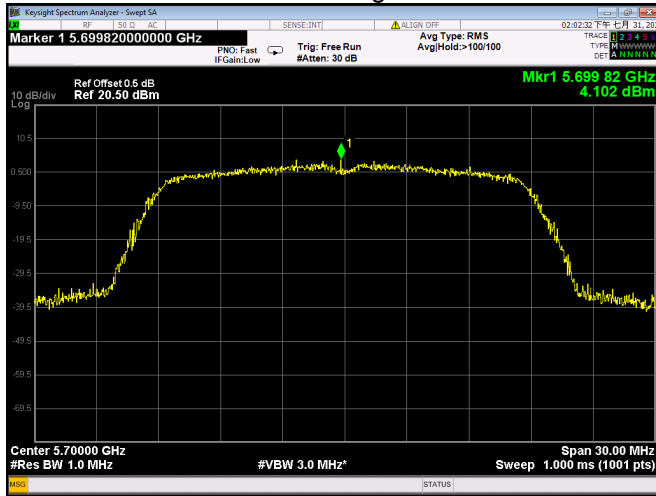
802.11n HT20 Low channel



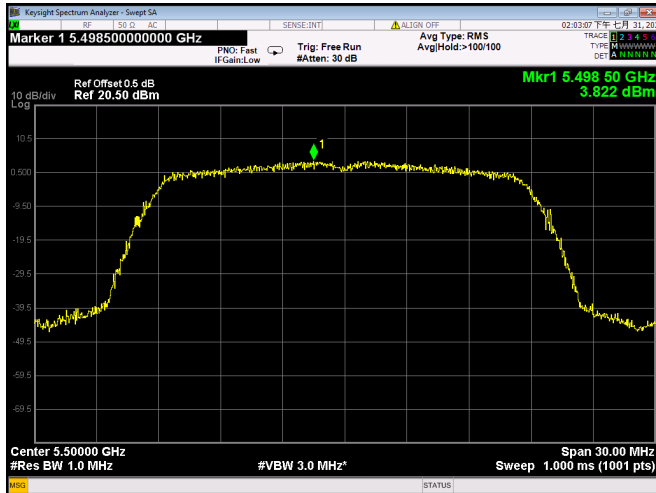
802.11n HT20 Middle channel



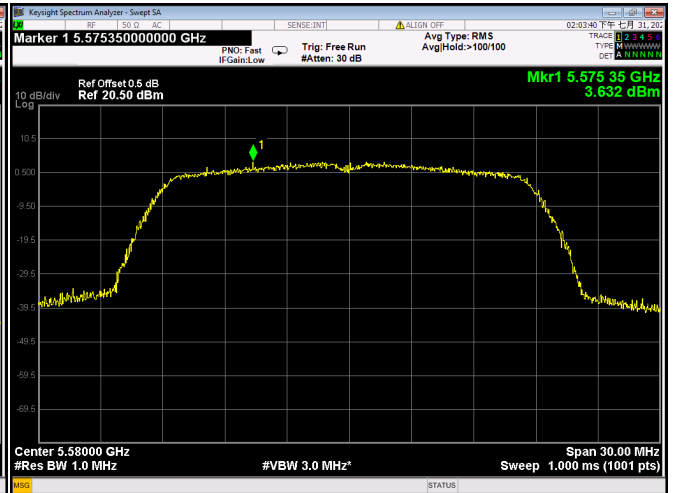
802.11n HT20 High channel



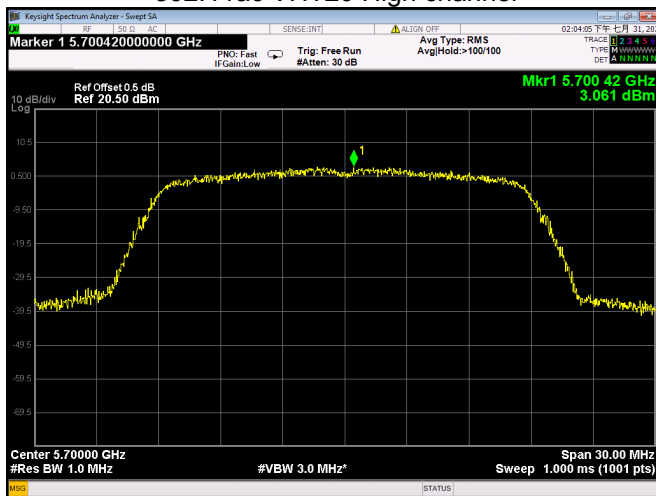
802.11ac VHT20 Low channel



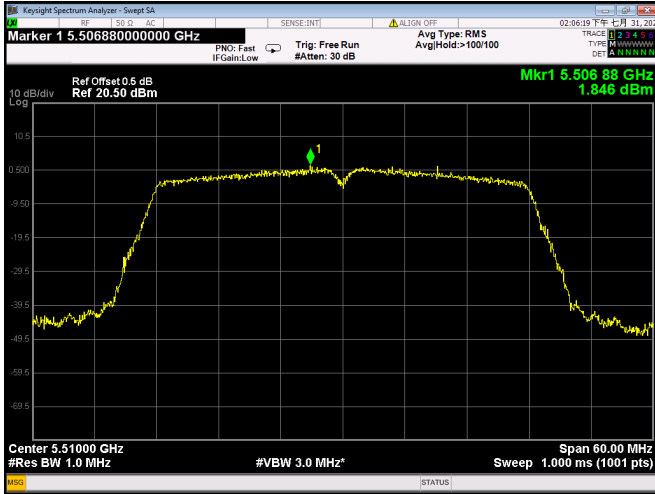
802.11ac VHT20 Middle channel



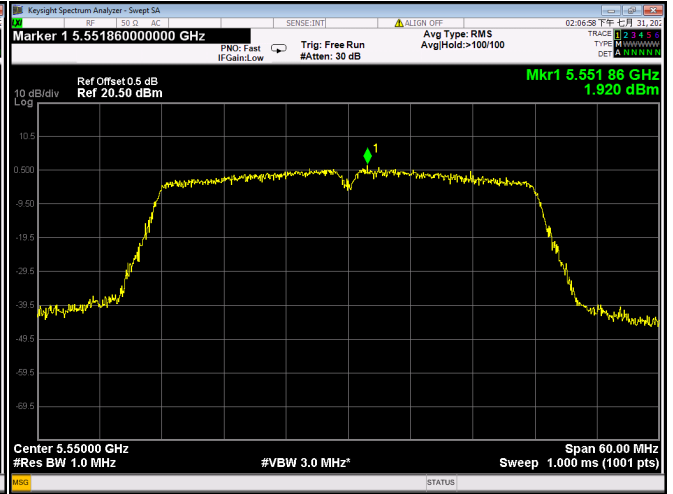
802.11ac VHT20 High channel



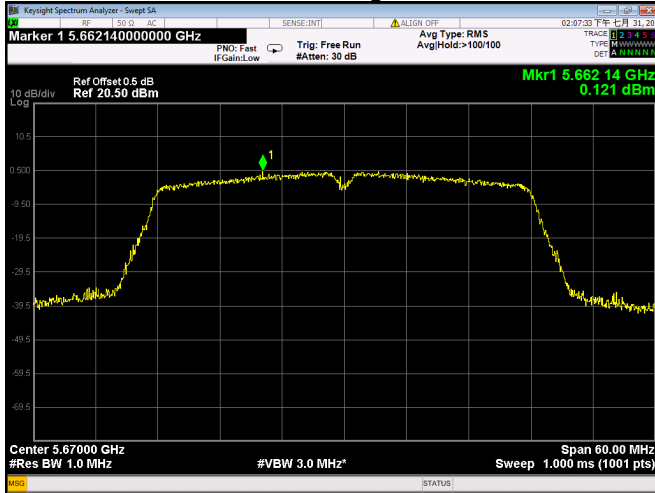
802.11n HT40 Low channel



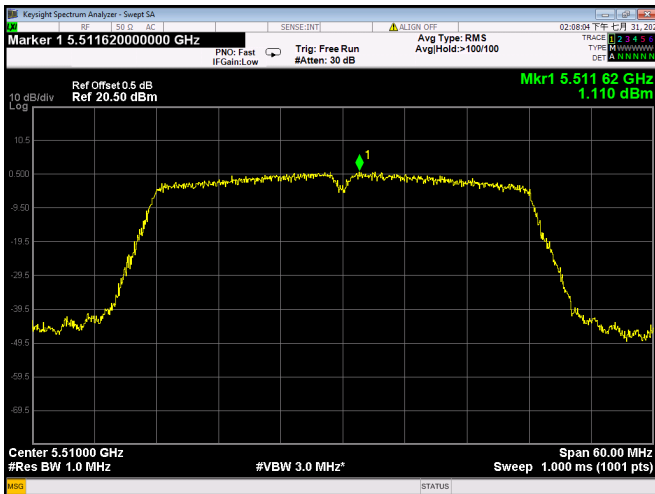
802.11n HT40 Middle channel



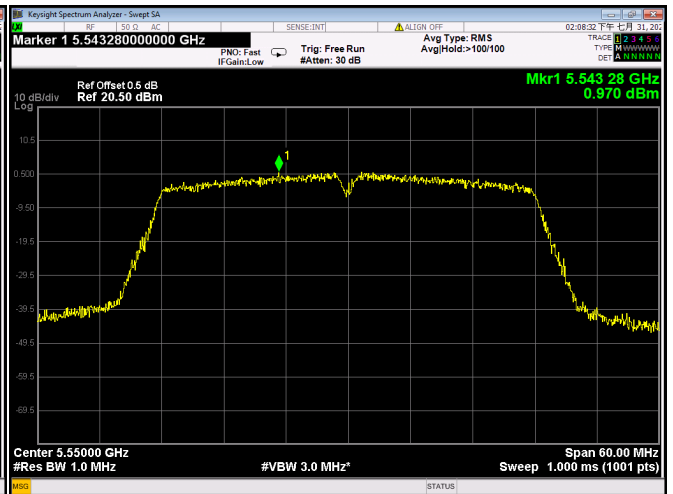
802.11n HT40 High channel



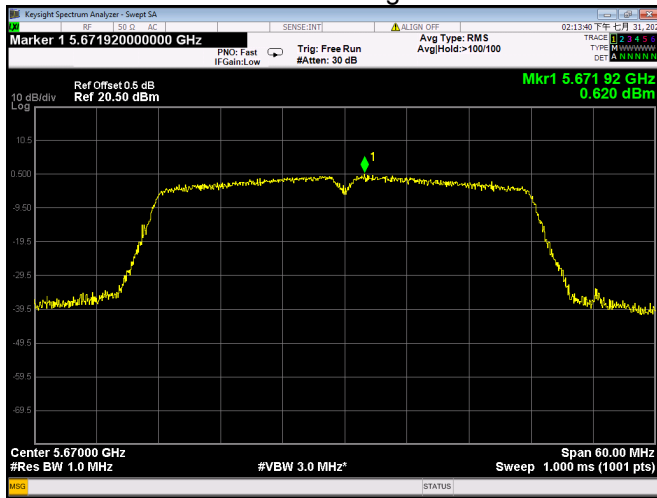
802.11ac VHT40 Low channel



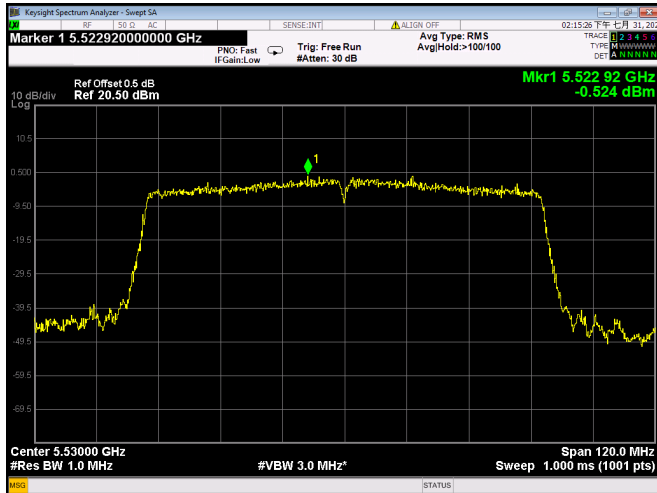
802.11ac VHT40 Middle channel



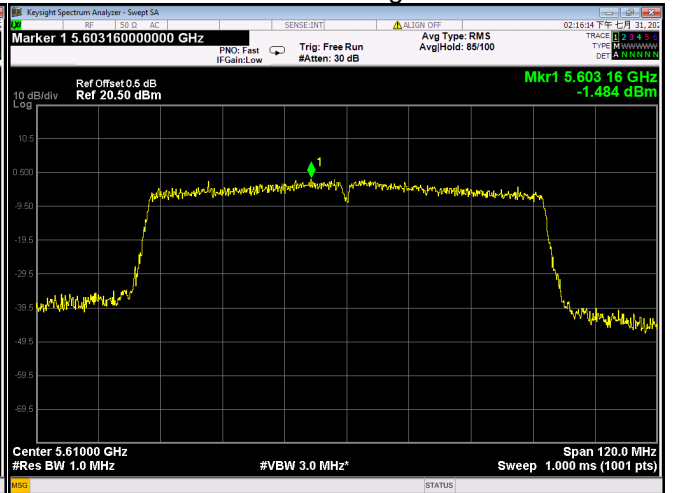
802.11ac VHT40 High channel



802.11ac VHT80 Low channel

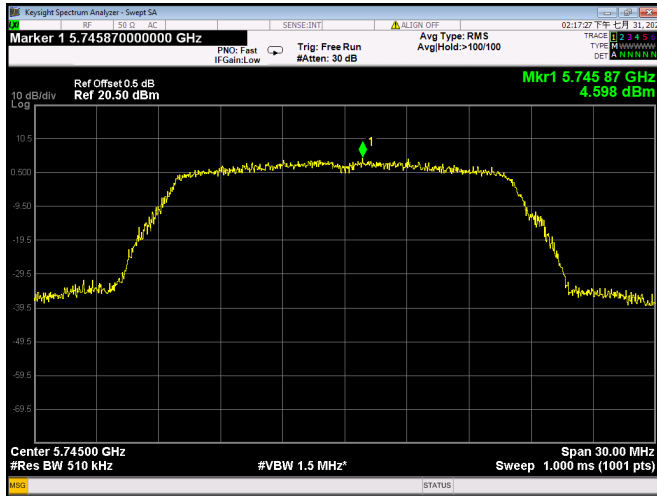


802.11ac VHT80 High channel

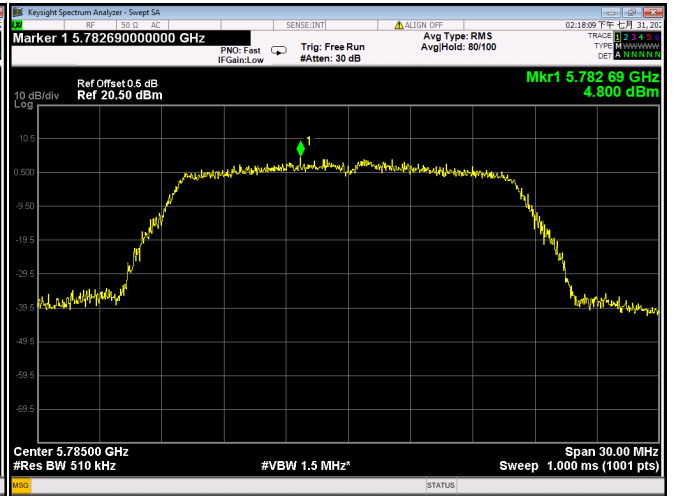


U-NII-3

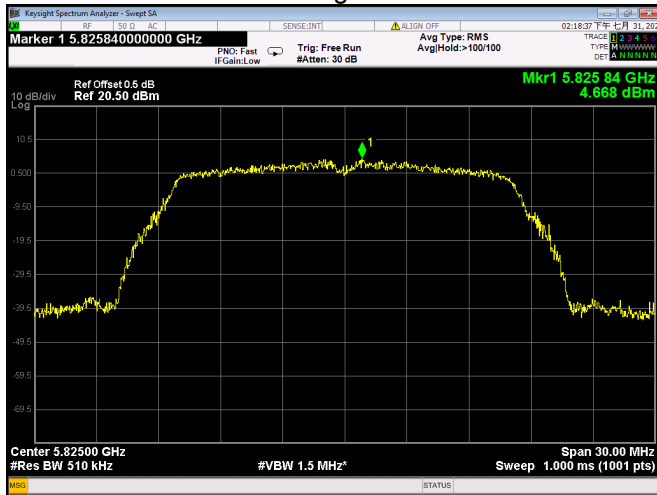
802.11a Low channel



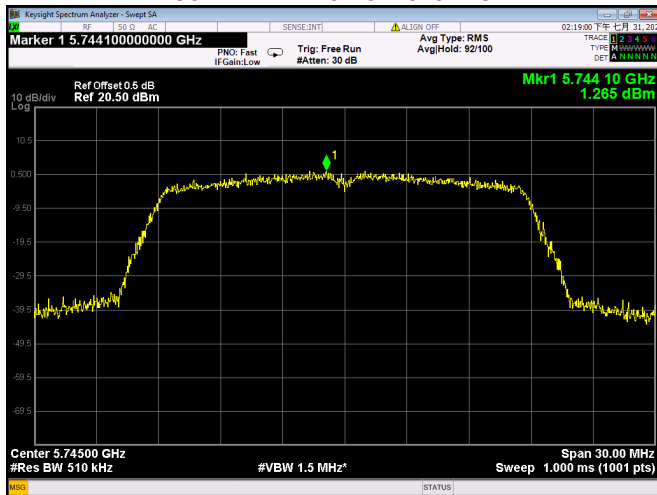
802.11a Middle channel



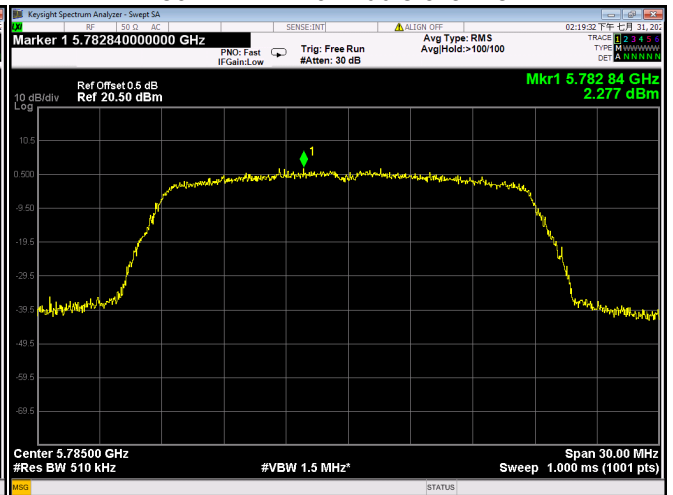
802.11a High channel



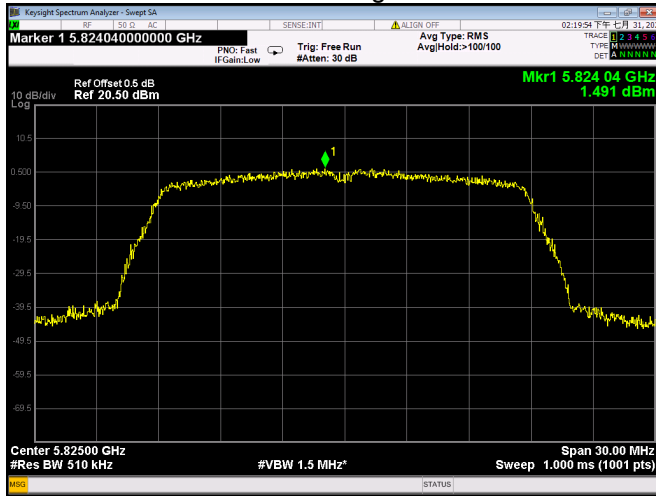
802.11n HT20 Low channel



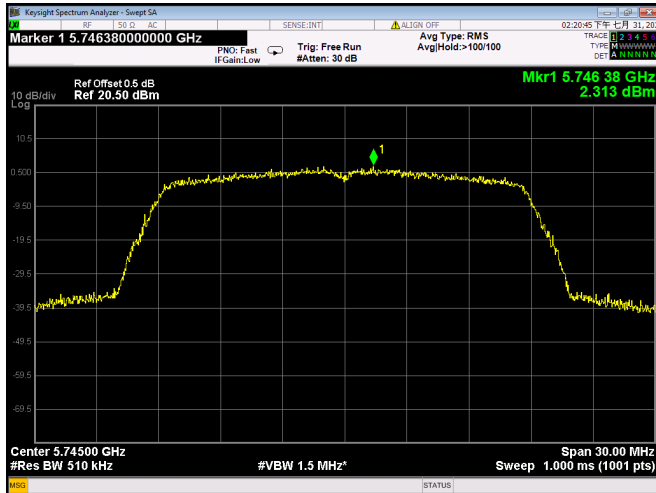
802.11n HT20 Middle channel



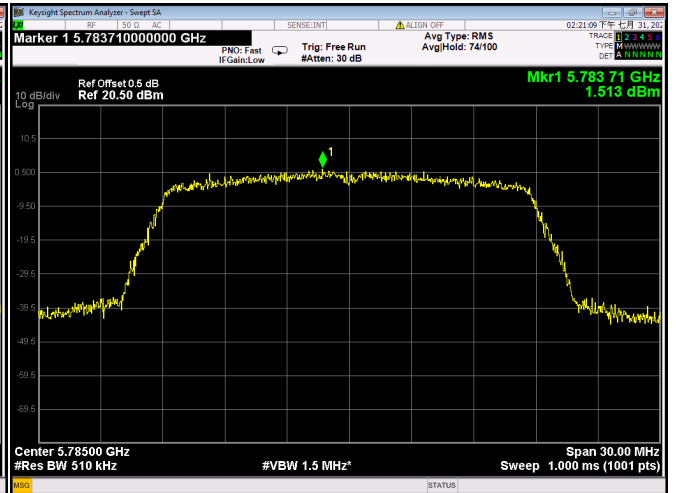
802.11n HT20 High channel



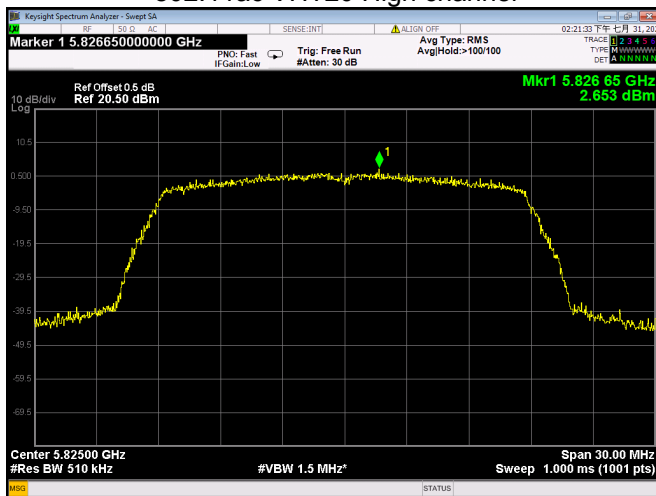
802.11ac VHT20 Low channel



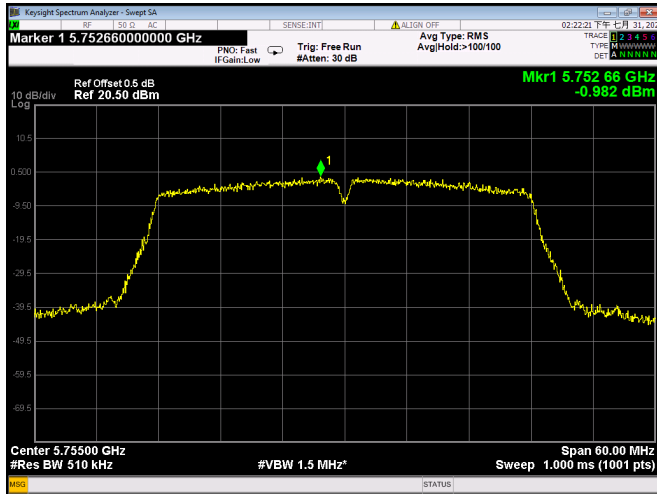
802.11ac VHT20 Middle channel



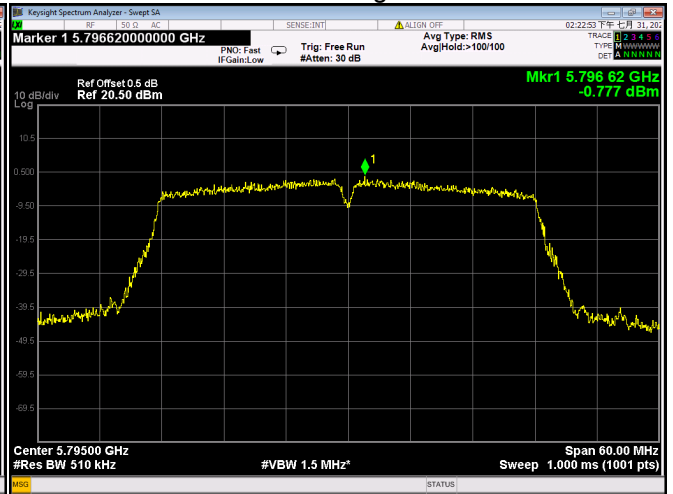
802.11ac VHT20 High channel



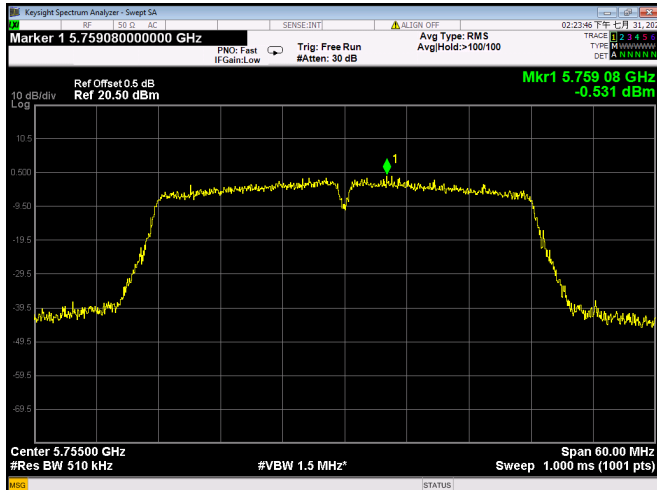
802.11n HT40 Low channel



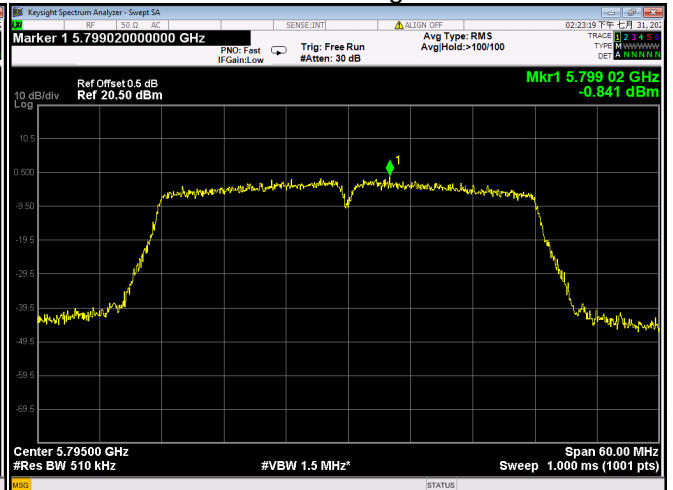
802.11n HT40 High channel



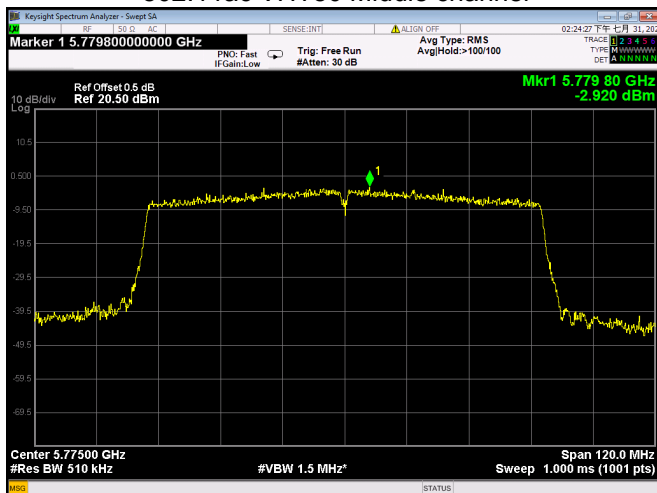
802.11ac VHT40 Low channel



802.11ac VHT40 High channel



802.11ac VHT80 Middle channel



15 Frequency Stability

Test Requirement:	FCC CFR47 Part 15 Section 15.407(g) ANSI C63.10-2020+A1-2024
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Test Limit:	According to 47CFR part 15 subpart E section 15.407(g): 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.
Test Result:	PASS

15.1 Test Procedure

According to § 2.1055 Measurements required: Frequency stability, the following test procedure was performed.

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of unmodulation signal and fixed channelise.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency.
6. Then the frequency stability formula is $(f_c-f) / f_c \times 10^6$ ppm.
7. Extreme temperature rule is $-5^{\circ}\text{C} \sim 35^{\circ}\text{C}$.
8. Extreme voltage is 85 to 115 percent of the nominal value.

15.2 Test Result

Note: the manufacturer declared that the maximum frequency stability is below 20ppm.

Both Ant. 1 and Ant. 2 (AC 120V or DC 12 power supply) have been tested separately, and the report only shows the worst case.

Ant. 1

U-NII-1 Test Frequency:5180MHz				
Temperature (°C)	Power Supply (VAC)	Frequency deviation (MHz)	Frequency deviation (ppm)	Limit (ppm)
35	120	-0.0013	-0.25	20
30		-0.0043	-0.82	20
20		0.0030	0.58	20
10		0.0062	1.20	20
0		0.0038	0.73	20
-5		0.0013	0.26	20
20	102	-0.0042	-0.80	20
20	138	0.0024	0.47	20

U-NII-2A Test Frequency:5260MHz				
Temperature (°C)	Power Supply (VAC)	Frequency deviation (MHz)	Frequency deviation (ppm)	Limit (ppm)
35	120	-0.0027	-0.52	20
30		0.0014	0.27	20
20		0.0010	0.19	20
10		0.0007	0.12	20
0		0.0063	1.19	20
-5		0.0020	0.37	20
20	102	0.0077	1.46	20
20	138	0.0088	1.67	20

U-NII-2C Test Frequency:5500MHz				
Temperature (°C)	Power Supply (VAC)	Frequency deviation (MHz)	Frequency deviation (ppm)	Limit (ppm)
35	120	-0.0074	-1.34	20
30		-0.0051	-0.93	20
20		0.0000	0.00	20
10		-0.0002	-0.04	20
0		0.0015	0.27	20
-5		0.0059	1.07	20
20	102	0.0053	0.97	20
20	138	0.0004	0.08	20

U-NII-3 Test Frequency:5785MHz				
Temperature (°C)	Power Supply (VAC)	Frequency deviation (MHz)	Frequency deviation (ppm)	Limit (ppm)
35	120	0.0010	0.17	20
30		-0.0054	-0.94	20
20		-0.0080	-1.38	20
10		-0.0093	-1.62	20
0		-0.0085	-1.48	20
-5		-0.0028	-0.48	20
20	102	-0.0092	-1.59	20
20	138	-0.0056	-0.96	20

16 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 three internal permanent antennas and fulfil the requirement of this section.

Note: Please refer to EUT photos for more details.

17 RF Exposure

Note: Please refer to RF Exposure Report: WTD25D07189956W007.

18 Photographs of test setup and EUT.

Note: Please refer to appendix: Appendix-TV-240SD-Photos.

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