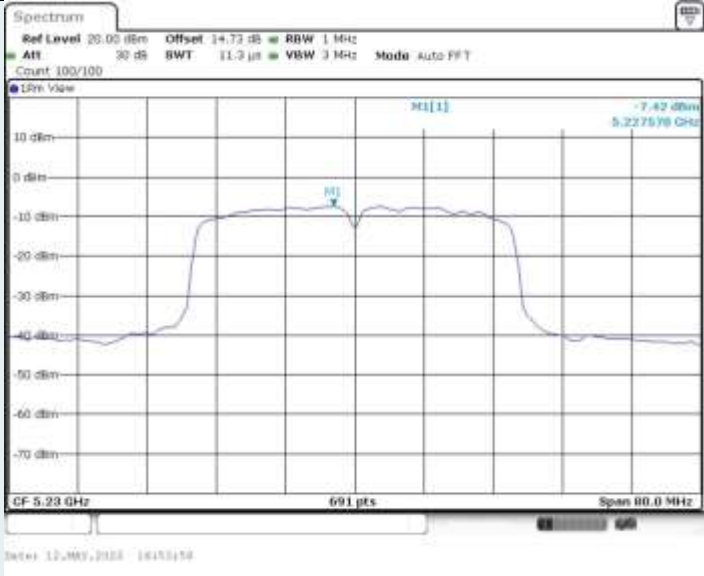


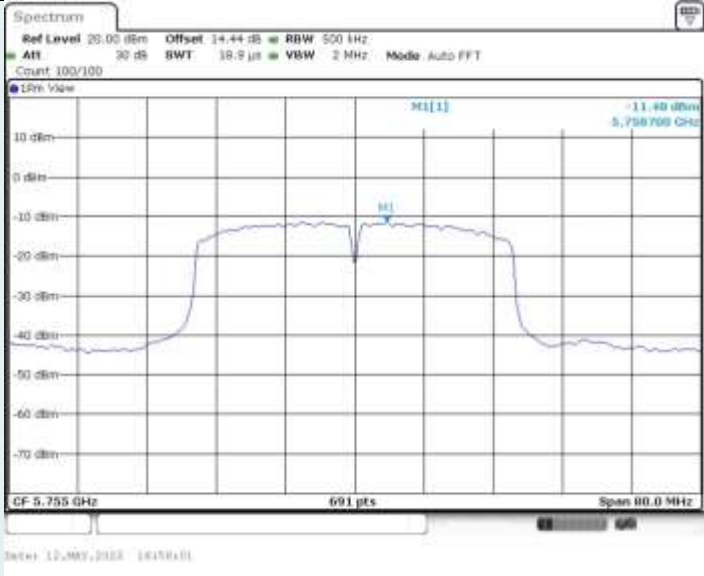
802.11ac VHT40 MIMO_Ant1_5230MHz



802.11ac VHT40 MIMO_Ant2_5230MHz



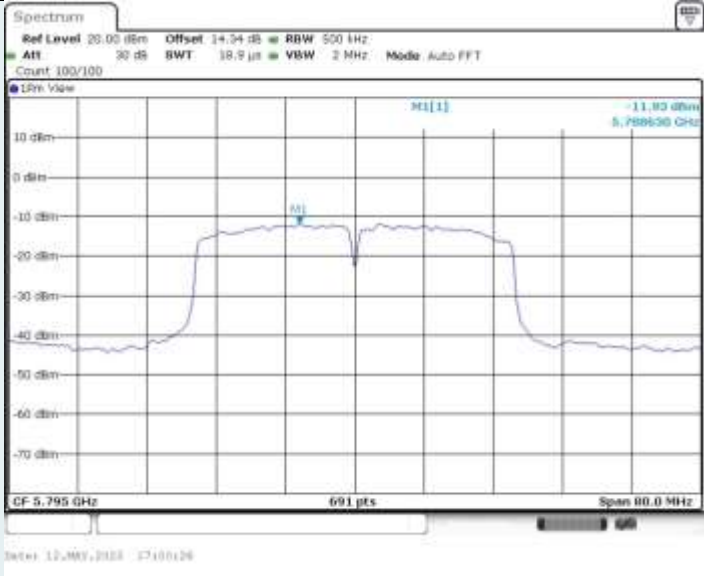
802.11ac VHT40 MIMO_Ant1_5755MHz



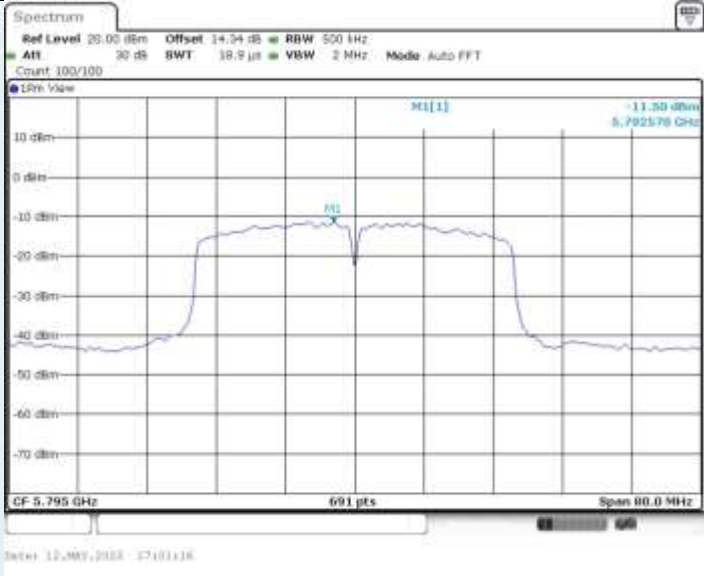
802.11ac VHT40 MIMO_Ant2_5755MHz



802.11ac VHT40 MIMO_Ant1_5795MHz



802.11ac VHT40 MIMO_Ant2_5795MHz



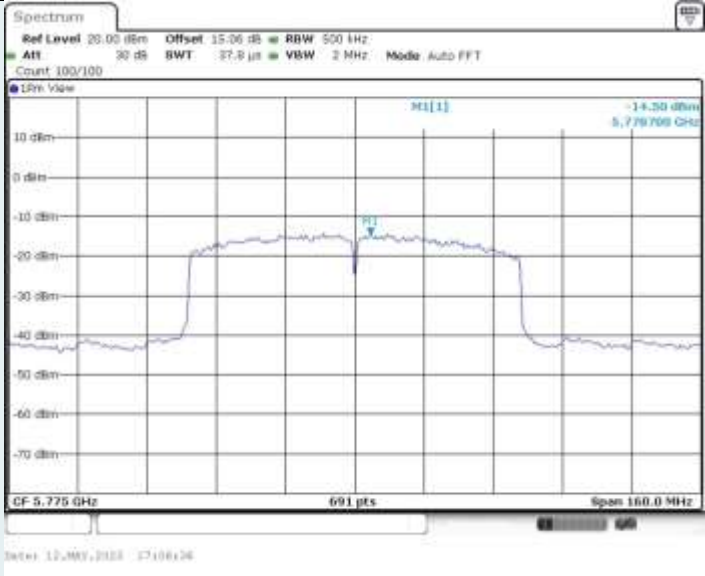
802.11ac VHT80 MIMO_Ant1_5210MHz



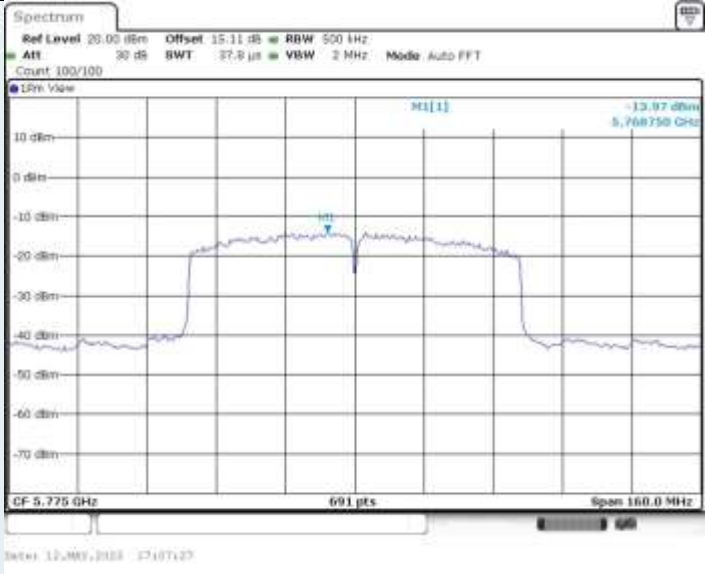
802.11ac VHT80 MIMO_Ant2_5210MHz



802.11ac VHT80 MIMO_Ant1_5775MHz



802.11ac VHT80 MIMO_Ant2_5775MHz



10. FREQUENCY STABILITY

10.1 LIMITS

According to §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.

10.2 TEST PROCEDURES

(1) Frequency stability with respect to ambient temperature

- a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in §ANSI C63.10-2013(5.6).
- b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

- c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.
- e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.
- f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.
- g) Measure the frequency at each of frequencies specified in §ANSI C63.10-2013(5.6).
- h) Switch OFF the EUT but do not switch OFF the oscillator heater.
- i) Lower the chamber temperature by not more than 10°C, and allow the temperature inside the chamber to stabilize.
- j) Repeat step f) through step i) down to the lowest specified temperature.

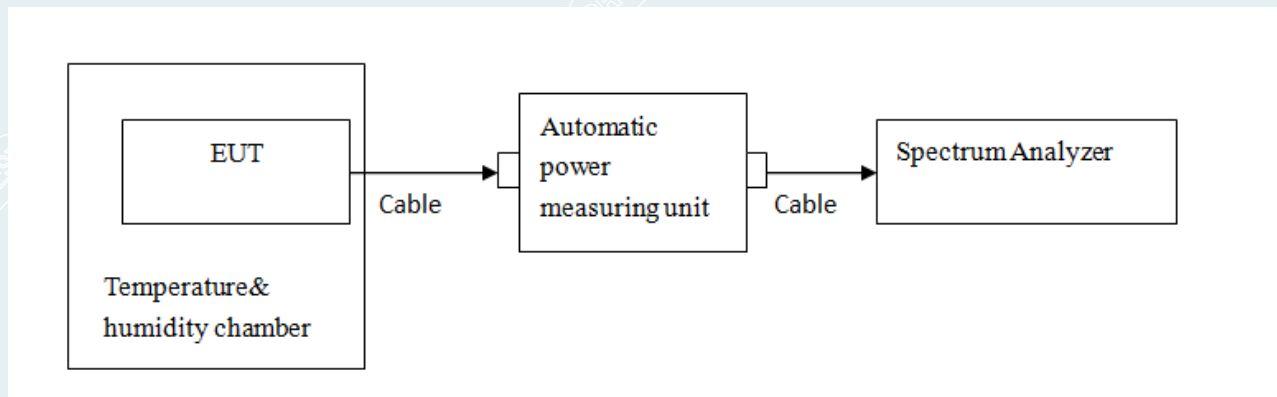
(2) Frequency stability when varying supply voltage

- a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

NOTE—An instrument that has an adequate level of accuracy as specified by the procuring or regulatory agency is the recommended measuring instrument.

- b) Tune the EUT to one of the number of frequencies required in §ANSI C63.10-2013(5.6). Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in §ANSI C63.10-2013(5.6).
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage as described in §ANSI C63.10-2013(5.13).

10.3 TEST SETUP



----- The following blanks -----

10.4 TEST RESULTS

Tested By	23.5℃/55%RH/101.0kPa	Tested Date	2023-05-13
Environmental Conditions	Qing Tingting	Test Voltage	DC 13.5V

Test Mode	Antenna	Freq[MHz]	Voltage					Verdict
			Voltage [Vdc]	Temperature [℃]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	
802.11a	Ant1	5180	NV	NT	-6000.00	-1.158301	20	PASS
			LV	NT	-6000.00	-1.158301	20	PASS
			HV	NT	-6000.00	-1.158301	20	PASS
	Ant2	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-3000.00	-0.579151	20	PASS
			HV	NT	-4000.00	-0.772201	20	PASS
	Ant1	5200	NV	NT	-3000.00	-0.576923	20	PASS
			LV	NT	-5000.00	-0.961538	20	PASS
			HV	NT	-6000.00	-1.153846	20	PASS
	Ant2	5200	NV	NT	-4000.00	-0.769231	20	PASS
			LV	NT	-5000.00	-0.961538	20	PASS
			HV	NT	-6000.00	-1.153846	20	PASS
	Ant1	5240	NV	NT	-6000.00	-1.145038	20	PASS
			LV	NT	-6000.00	-1.145038	20	PASS
			HV	NT	-6000.00	-1.145038	20	PASS
	Ant2	5240	NV	NT	-4000.00	-0.763359	20	PASS
			LV	NT	-5000.00	-0.954198	20	PASS
			HV	NT	-5000.00	-0.954198	20	PASS
	Ant1	5745	NV	NT	-6000.00	-1.044386	20	PASS
			LV	NT	-7000.00	-1.218451	20	PASS
			HV	NT	-7000.00	-1.218451	20	PASS
	Ant2	5745	NV	NT	-4000.00	-0.696258	20	PASS
			LV	NT	-6000.00	-1.044386	20	PASS
			HV	NT	-6000.00	-1.044386	20	PASS
	Ant1	5785	NV	NT	-6000.00	-1.037165	20	PASS
			LV	NT	-6000.00	-1.037165	20	PASS
			HV	NT	-6000.00	-1.037165	20	PASS
	Ant2	5785	NV	NT	-5000.00	-0.864304	20	PASS
			LV	NT	-6000.00	-1.037165	20	PASS
			HV	NT	-6000.00	-1.037165	20	PASS
	Ant1	5825	NV	NT	-3000.00	-0.515021	20	PASS
			LV	NT	-5000.00	-0.858369	20	PASS
			HV	NT	-5000.00	-0.858369	20	PASS
	Ant2	5825	NV	NT	-5000.00	-0.858369	20	PASS
			LV	NT	-6000.00	-1.030043	20	PASS
			HV	NT	-6000.00	-1.030043	20	PASS

802.11n HT20 MIMO	Ant1	5180	NV	NT	-6000.00	-1.158301	20	PASS
			LV	NT	-7000.00	-1.351351	20	PASS
			HV	NT	-7000.00	-1.351351	20	PASS
	Ant2	5180	NV	NT	-2000.00	-0.386100	20	PASS
			LV	NT	-4000.00	-0.772201	20	PASS
			HV	NT	-5000.00	-0.965251	20	PASS
	Ant1	5200	NV	NT	-6000.00	-1.153846	20	PASS
			LV	NT	-6000.00	-1.153846	20	PASS
			HV	NT	-7000.00	-1.346154	20	PASS
	Ant2	5200	NV	NT	-6000.00	-1.153846	20	PASS
			LV	NT	-6000.00	-1.153846	20	PASS
			HV	NT	-6000.00	-1.153846	20	PASS
	Ant1	5240	NV	NT	-6000.00	-1.145038	20	PASS
			LV	NT	-6000.00	-1.145038	20	PASS
			HV	NT	-6000.00	-1.145038	20	PASS
	Ant2	5240	NV	NT	-6000.00	-1.145038	20	PASS
			LV	NT	-6000.00	-1.145038	20	PASS
			HV	NT	-6000.00	-1.145038	20	PASS
	Ant1	5745	NV	NT	-7000.00	-1.218451	20	PASS
			LV	NT	-7000.00	-1.218451	20	PASS
			HV	NT	-7000.00	-1.218451	20	PASS
	Ant2	5745	NV	NT	-6000.00	-1.044386	20	PASS
			LV	NT	-7000.00	-1.218451	20	PASS
			HV	NT	-6000.00	-1.044386	20	PASS
	Ant1	5785	NV	NT	-6000.00	-1.037165	20	PASS
			LV	NT	-6000.00	-1.037165	20	PASS
			HV	NT	-6000.00	-1.037165	20	PASS
	Ant2	5785	NV	NT	-7000.00	-1.210026	20	PASS
			LV	NT	-7000.00	-1.210026	20	PASS
			HV	NT	-7000.00	-1.210026	20	PASS
	Ant1	5825	NV	NT	-6000.00	-1.030043	20	PASS
			LV	NT	-6000.00	-1.030043	20	PASS
			HV	NT	-6000.00	-1.030043	20	PASS
	Ant2	5825	NV	NT	-6000.00	-1.030043	20	PASS
			LV	NT	-6000.00	-1.030043	20	PASS
			HV	NT	-6000.00	-1.030043	20	PASS
802.11n HT40 MIMO	Ant1	5190	NV	NT	-4000.00	-0.770713	20	PASS
			LV	NT	-4000.00	-0.770713	20	PASS
			HV	NT	-4000.00	-0.770713	20	PASS
	Ant2	5190	NV	NT	-4000.00	-0.770713	20	PASS
			LV	NT	-5000.00	-0.963391	20	PASS
			HV	NT	-5000.00	-0.963391	20	PASS
	Ant1	5230	NV	NT	-2000.00	-0.382409	20	PASS
			LV	NT	-4000.00	-0.764818	20	PASS
			HV	NT	-5000.00	-0.956023	20	PASS
	Ant2	5230	NV	NT	-4000.00	-0.764818	20	PASS
			LV	NT	-5000.00	-0.956023	20	PASS
			HV	NT	-5000.00	-0.956023	20	PASS
	Ant1	5755	NV	NT	-3000.00	-0.521286	20	PASS
			LV	NT	-5000.00	-0.868810	20	PASS
			HV	NT	-6000.00	-1.042572	20	PASS
	Ant2	5755	NV	NT	-6000.00	-1.042572	20	PASS
			LV	NT	-7000.00	-1.216334	20	PASS
			HV	NT	-7000.00	-1.216334	20	PASS

	Ant1	5795	NV	NT	-3000.00	-0.517688	20	PASS
			LV	NT	-5000.00	-0.862813	20	PASS
			HV	NT	-5000.00	-0.862813	20	PASS
	Ant2	5795	NV	NT	-5000.00	-0.862813	20	PASS
			LV	NT	-6000.00	-1.035375	20	PASS
			HV	NT	-6000.00	-1.035375	20	PASS
802.11ac VHT20 MIMO	Ant1	5180	NV	NT	-6000.00	-1.158301	20	PASS
			LV	NT	-6000.00	-1.158301	20	PASS
			HV	NT	-7000.00	-1.351351	20	PASS
		5200	NV	NT	-6000.00	-1.153846	20	PASS
			LV	NT	-6000.00	-1.153846	20	PASS
			HV	NT	-6000.00	-1.153846	20	PASS
	Ant2	5200	NV	NT	-6000.00	-1.153846	20	PASS
			LV	NT	-6000.00	-1.153846	20	PASS
			HV	NT	-6000.00	-1.153846	20	PASS
	Ant1	5240	NV	NT	-6000.00	-1.145038	20	PASS
			LV	NT	-6000.00	-1.145038	20	PASS
			HV	NT	-6000.00	-1.145038	20	PASS
	Ant2	5240	NV	NT	-6000.00	-1.145038	20	PASS
			LV	NT	-6000.00	-1.145038	20	PASS
			HV	NT	-6000.00	-1.145038	20	PASS
	Ant1	5745	NV	NT	-7000.00	-1.218451	20	PASS
			LV	NT	-7000.00	-1.218451	20	PASS
			HV	NT	-7000.00	-1.218451	20	PASS
	Ant2	5745	NV	NT	-6000.00	-1.044386	20	PASS
			LV	NT	-6000.00	-1.044386	20	PASS
			HV	NT	-6000.00	-1.044386	20	PASS
	Ant1	5785	NV	NT	-6000.00	-1.037165	20	PASS
			LV	NT	-6000.00	-1.037165	20	PASS
			HV	NT	-6000.00	-1.037165	20	PASS
	Ant2	5785	NV	NT	-6000.00	-1.037165	20	PASS
			LV	NT	-6000.00	-1.037165	20	PASS
			HV	NT	-7000.00	-1.210026	20	PASS
	Ant1	5825	NV	NT	-6000.00	-1.030043	20	PASS
			LV	NT	-6000.00	-1.030043	20	PASS
			HV	NT	-6000.00	-1.030043	20	PASS
	Ant2	5825	NV	NT	-6000.00	-1.030043	20	PASS
			LV	NT	-6000.00	-1.030043	20	PASS
			HV	NT	-6000.00	-1.030043	20	PASS
802.11ac VHT40 MIMO	Ant1	5190	NV	NT	-5000.00	-0.963391	20	PASS
			LV	NT	-5000.00	-0.963391	20	PASS
			HV	NT	-5000.00	-0.963391	20	PASS
	Ant2	5190	NV	NT	-6000.00	-1.156069	20	PASS
			LV	NT	-6000.00	-1.156069	20	PASS
			HV	NT	-6000.00	-1.156069	20	PASS
	Ant1	5230	NV	NT	-5000.00	-0.956023	20	PASS
			LV	NT	-5000.00	-0.956023	20	PASS
			HV	NT	-6000.00	-1.147228	20	PASS
	Ant2	5230	NV	NT	-6000.00	-1.147228	20	PASS
			LV	NT	-6000.00	-1.147228	20	PASS
			HV	NT	-6000.00	-1.147228	20	PASS
	Ant1	5755	NV	NT	-6000.00	-1.042572	20	PASS
			LV	NT	-6000.00	-1.042572	20	PASS
			HV	NT	-6000.00	-1.042572	20	PASS

	Ant2	5755	NV	NT	-7000.00	-1.216334	20	PASS
			LV	NT	-7000.00	-1.216334	20	PASS
			HV	NT	-7000.00	-1.216334	20	PASS
	Ant1	5795	NV	NT	-6000.00	-1.035375	20	PASS
			LV	NT	-6000.00	-1.035375	20	PASS
			HV	NT	-6000.00	-1.035375	20	PASS
	Ant2	5795	NV	NT	-6000.00	-1.035375	20	PASS
			LV	NT	-6000.00	-1.035375	20	PASS
			HV	NT	-6000.00	-1.035375	20	PASS
802.11ac VHT80 MIMO	Ant1	5210	NV	NT	-7000.00	-1.343570	20	PASS
			LV	NT	-8000.00	-1.535509	20	PASS
			HV	NT	-8000.00	-1.535509	20	PASS
	Ant2	5210	NV	NT	-12000.00	-2.303263	20	PASS
			LV	NT	-13000.00	-2.495202	20	PASS
			HV	NT	-13000.00	-2.495202	20	PASS
	Ant1	5775	NV	NT	-15000.00	-2.597403	20	PASS
			LV	NT	-15000.00	-2.597403	20	PASS
			HV	NT	-15000.00	-2.597403	20	PASS
	Ant2	5775	NV	NT	-16000.00	-2.770563	20	PASS
			LV	NT	-16000.00	-2.770563	20	PASS
			HV	NT	-16000.00	-2.770563	20	PASS

----- The following blanks -----

Temperature								
Test Mode	Antenna	Freq[MHz]	Voltage [Vdc]	Temperature [°C]	Deviation [Hz]	Deviation [ppm]	Limit [ppm]	Verdict
802.11a	Ant1	5180	NV	-30	-6000.00	-1.158301	20	PASS
			NV	-20	-6000.00	-1.158301	20	PASS
			NV	-10	-6000.00	-1.158301	20	PASS
			NV	0	-6000.00	-1.158301	20	PASS
			NV	10	-6000.00	-1.158301	20	PASS
			NV	20	-7000.00	-1.351351	20	PASS
			NV	30	-7000.00	-1.351351	20	PASS
			NV	40	-7000.00	-1.351351	20	PASS
			NV	50	-7000.00	-1.351351	20	PASS
	Ant2	5180	NV	-30	-4000.00	-0.772201	20	PASS
			NV	-20	-5000.00	-0.965251	20	PASS
			NV	-10	-5000.00	-0.965251	20	PASS
			NV	0	-5000.00	-0.965251	20	PASS
			NV	10	-5000.00	-0.965251	20	PASS
			NV	20	-5000.00	-0.965251	20	PASS
			NV	30	-5000.00	-0.965251	20	PASS
			NV	40	-5000.00	-0.965251	20	PASS
			NV	50	-5000.00	-0.965251	20	PASS
	Ant1	5200	NV	-30	-6000.00	-1.153846	20	PASS
			NV	-20	-6000.00	-1.153846	20	PASS
			NV	-10	-6000.00	-1.153846	20	PASS
			NV	0	-6000.00	-1.153846	20	PASS
			NV	10	-6000.00	-1.153846	20	PASS
			NV	20	-6000.00	-1.153846	20	PASS
			NV	30	-6000.00	-1.153846	20	PASS
			NV	40	-6000.00	-1.153846	20	PASS
			NV	50	-6000.00	-1.153846	20	PASS
	Ant2	5200	NV	-30	-6000.00	-1.153846	20	PASS
			NV	-20	-6000.00	-1.153846	20	PASS
			NV	-10	-6000.00	-1.153846	20	PASS
			NV	0	-6000.00	-1.153846	20	PASS
			NV	10	-6000.00	-1.153846	20	PASS
			NV	20	-6000.00	-1.153846	20	PASS
			NV	30	-6000.00	-1.153846	20	PASS
			NV	40	-6000.00	-1.153846	20	PASS
			NV	50	-6000.00	-1.153846	20	PASS
	Ant1	5240	NV	-30	-6000.00	-1.145038	20	PASS
			NV	-20	-6000.00	-1.145038	20	PASS
			NV	-10	-6000.00	-1.145038	20	PASS
			NV	0	-6000.00	-1.145038	20	PASS
			NV	10	-6000.00	-1.145038	20	PASS
			NV	20	-6000.00	-1.145038	20	PASS
			NV	30	-6000.00	-1.145038	20	PASS
			NV	40	-6000.00	-1.145038	20	PASS
			NV	50	-6000.00	-1.145038	20	PASS
	Ant2	5240	NV	-30	-5000.00	-0.954198	20	PASS
			NV	-20	-5000.00	-0.954198	20	PASS
			NV	-10	-6000.00	-1.145038	20	PASS
			NV	0	-6000.00	-1.145038	20	PASS
			NV	10	-6000.00	-1.145038	20	PASS

			NV	20	-6000.00	-1.145038	20	PASS
			NV	30	-6000.00	-1.145038	20	PASS
			NV	40	-6000.00	-1.145038	20	PASS
			NV	50	-6000.00	-1.145038	20	PASS
	Ant1	5745	NV	-30	-7000.00	-1.218451	20	PASS
			NV	-20	-7000.00	-1.218451	20	PASS
			NV	-10	-7000.00	-1.218451	20	PASS
			NV	0	-7000.00	-1.218451	20	PASS
			NV	10	-7000.00	-1.218451	20	PASS
			NV	20	-7000.00	-1.218451	20	PASS
			NV	30	-7000.00	-1.218451	20	PASS
			NV	40	-7000.00	-1.218451	20	PASS
			NV	50	-7000.00	-1.218451	20	PASS
	Ant2	5745	NV	-30	-6000.00	-1.044386	20	PASS
			NV	-20	-6000.00	-1.044386	20	PASS
			NV	-10	-6000.00	-1.044386	20	PASS
			NV	0	-6000.00	-1.044386	20	PASS
			NV	10	-6000.00	-1.044386	20	PASS
			NV	20	-6000.00	-1.044386	20	PASS
			NV	30	-6000.00	-1.044386	20	PASS
			NV	40	-6000.00	-1.044386	20	PASS
	Ant1	5785	NV	-30	-6000.00	-1.037165	20	PASS
			NV	-20	-6000.00	-1.037165	20	PASS
			NV	-10	-6000.00	-1.037165	20	PASS
			NV	0	-6000.00	-1.037165	20	PASS
			NV	10	-6000.00	-1.037165	20	PASS
			NV	20	-6000.00	-1.037165	20	PASS
			NV	30	-6000.00	-1.037165	20	PASS
			NV	40	-6000.00	-1.037165	20	PASS
	Ant2	5785	NV	-30	-6000.00	-1.037165	20	PASS
			NV	-20	-6000.00	-1.037165	20	PASS
			NV	-10	-6000.00	-1.037165	20	PASS
			NV	0	-6000.00	-1.037165	20	PASS
			NV	10	-7000.00	-1.210026	20	PASS
			NV	20	-6000.00	-1.037165	20	PASS
			NV	30	-7000.00	-1.210026	20	PASS
			NV	40	-7000.00	-1.210026	20	PASS
	Ant1	5825	NV	-30	-5000.00	-0.858369	20	PASS
			NV	-20	-6000.00	-1.030043	20	PASS
			NV	-10	-6000.00	-1.030043	20	PASS
			NV	0	-6000.00	-1.030043	20	PASS
			NV	10	-6000.00	-1.030043	20	PASS
			NV	20	-6000.00	-1.030043	20	PASS
			NV	30	-6000.00	-1.030043	20	PASS
			NV	40	-6000.00	-1.030043	20	PASS
	Ant2	5825	NV	50	-6000.00	-1.030043	20	PASS
			NV	-30	-6000.00	-1.030043	20	PASS
			NV	-20	-6000.00	-1.030043	20	PASS
			NV	-10	-6000.00	-1.030043	20	PASS
			NV	0	-6000.00	-1.030043	20	PASS

			NV	20	-6000.00	-1.030043	20	PASS
			NV	30	-7000.00	-1.201717	20	PASS
			NV	40	-7000.00	-1.201717	20	PASS
			NV	50	-6000.00	-1.030043	20	PASS
802.11n HT20 MIMO	Ant1	5180	NV	-30	-7000.00	-1.351351	20	PASS
			NV	-20	-7000.00	-1.351351	20	PASS
			NV	-10	-7000.00	-1.351351	20	PASS
			NV	0	-7000.00	-1.351351	20	PASS
			NV	10	-7000.00	-1.351351	20	PASS
			NV	20	-6000.00	-1.158301	20	PASS
			NV	30	-6000.00	-1.158301	20	PASS
			NV	40	-6000.00	-1.158301	20	PASS
			NV	50	-7000.00	-1.351351	20	PASS
	Ant2	5180	NV	-30	-5000.00	-0.965251	20	PASS
			NV	-20	-5000.00	-0.965251	20	PASS
			NV	-10	-6000.00	-1.158301	20	PASS
			NV	0	-5000.00	-0.965251	20	PASS
			NV	10	-5000.00	-0.965251	20	PASS
			NV	20	-5000.00	-0.965251	20	PASS
			NV	30	-5000.00	-0.965251	20	PASS
			NV	40	-6000.00	-1.158301	20	PASS
			NV	50	-6000.00	-1.158301	20	PASS
	Ant1	5200	NV	-30	-7000.00	-1.346154	20	PASS
			NV	-20	-6000.00	-1.153846	20	PASS
			NV	-10	-6000.00	-1.153846	20	PASS
			NV	0	-6000.00	-1.153846	20	PASS
			NV	10	-6000.00	-1.153846	20	PASS
			NV	20	-6000.00	-1.153846	20	PASS
			NV	30	-7000.00	-1.346154	20	PASS
			NV	40	-6000.00	-1.153846	20	PASS
			NV	50	-6000.00	-1.153846	20	PASS
	Ant2	5200	NV	-30	-6000.00	-1.153846	20	PASS
			NV	-20	-6000.00	-1.153846	20	PASS
			NV	-10	-6000.00	-1.153846	20	PASS
			NV	0	-6000.00	-1.153846	20	PASS
			NV	10	-6000.00	-1.153846	20	PASS
			NV	20	-6000.00	-1.153846	20	PASS
			NV	30	-6000.00	-1.153846	20	PASS
			NV	40	-6000.00	-1.153846	20	PASS
			NV	50	-6000.00	-1.153846	20	PASS
	Ant1	5240	NV	-30	-6000.00	-1.145038	20	PASS
			NV	-20	-6000.00	-1.145038	20	PASS
			NV	-10	-6000.00	-1.145038	20	PASS
			NV	0	-6000.00	-1.145038	20	PASS
			NV	10	-6000.00	-1.145038	20	PASS
			NV	20	-6000.00	-1.145038	20	PASS
			NV	30	-6000.00	-1.145038	20	PASS
			NV	40	-6000.00	-1.145038	20	PASS
			NV	50	-6000.00	-1.145038	20	PASS
	Ant2	5240	NV	-30	-6000.00	-1.145038	20	PASS
			NV	-20	-6000.00	-1.145038	20	PASS
			NV	-10	-6000.00	-1.145038	20	PASS
			NV	0	-6000.00	-1.145038	20	PASS
			NV	10	-6000.00	-1.145038	20	PASS

			NV	20	-6000.00	-1.145038	20	PASS
			NV	30	-6000.00	-1.145038	20	PASS
			NV	40	-6000.00	-1.145038	20	PASS
			NV	50	-6000.00	-1.145038	20	PASS
	Ant1	5745	NV	-30	-7000.00	-1.218451	20	PASS
			NV	-20	-7000.00	-1.218451	20	PASS
			NV	-10	-7000.00	-1.218451	20	PASS
			NV	0	-7000.00	-1.218451	20	PASS
			NV	10	-7000.00	-1.218451	20	PASS
			NV	20	-7000.00	-1.218451	20	PASS
			NV	30	-7000.00	-1.218451	20	PASS
			NV	40	-7000.00	-1.218451	20	PASS
			NV	50	-7000.00	-1.218451	20	PASS
	Ant2	5745	NV	-30	-6000.00	-1.044386	20	PASS
			NV	-20	-6000.00	-1.044386	20	PASS
			NV	-10	-6000.00	-1.044386	20	PASS
			NV	0	-6000.00	-1.044386	20	PASS
			NV	10	-6000.00	-1.044386	20	PASS
			NV	20	-6000.00	-1.044386	20	PASS
			NV	30	-6000.00	-1.044386	20	PASS
			NV	40	-6000.00	-1.044386	20	PASS
	Ant1	5785	NV	-30	-6000.00	-1.037165	20	PASS
			NV	-20	-6000.00	-1.037165	20	PASS
			NV	-10	-6000.00	-1.037165	20	PASS
			NV	0	-6000.00	-1.037165	20	PASS
			NV	10	-6000.00	-1.037165	20	PASS
			NV	20	-6000.00	-1.037165	20	PASS
			NV	30	-6000.00	-1.037165	20	PASS
			NV	40	-6000.00	-1.037165	20	PASS
	Ant2	5785	NV	-30	-6000.00	-1.037165	20	PASS
			NV	-20	-6000.00	-1.037165	20	PASS
			NV	-10	-7000.00	-1.210026	20	PASS
			NV	0	-6000.00	-1.037165	20	PASS
			NV	10	-7000.00	-1.210026	20	PASS
			NV	20	-7000.00	-1.210026	20	PASS
			NV	30	-7000.00	-1.210026	20	PASS
			NV	40	-7000.00	-1.210026	20	PASS
	Ant1	5825	NV	-30	-6000.00	-1.030043	20	PASS
			NV	-20	-6000.00	-1.030043	20	PASS
			NV	-10	-6000.00	-1.030043	20	PASS
			NV	0	-6000.00	-1.030043	20	PASS
			NV	10	-6000.00	-1.030043	20	PASS
			NV	20	-6000.00	-1.030043	20	PASS
			NV	30	-6000.00	-1.030043	20	PASS
			NV	40	-6000.00	-1.030043	20	PASS
	Ant2	5825	NV	50	-6000.00	-1.030043	20	PASS
			NV	-30	-6000.00	-1.030043	20	PASS
			NV	-20	-6000.00	-1.030043	20	PASS
			NV	-10	-6000.00	-1.030043	20	PASS
			NV	0	-6000.00	-1.030043	20	PASS

			NV	20	-6000.00	-1.030043	20	PASS
			NV	30	-6000.00	-1.030043	20	PASS
			NV	40	-6000.00	-1.030043	20	PASS
			NV	50	-6000.00	-1.030043	20	PASS
802.11n HT40 MIMO	Ant1	5190	NV	-30	-4000.00	-0.770713	20	PASS
			NV	-20	-5000.00	-0.963391	20	PASS
			NV	-10	-5000.00	-0.963391	20	PASS
			NV	0	-5000.00	-0.963391	20	PASS
			NV	10	-5000.00	-0.963391	20	PASS
			NV	20	-5000.00	-0.963391	20	PASS
			NV	30	-5000.00	-0.963391	20	PASS
			NV	40	-5000.00	-0.963391	20	PASS
			NV	50	-5000.00	-0.963391	20	PASS
	Ant2	5190	NV	-30	-5000.00	-0.963391	20	PASS
			NV	-20	-5000.00	-0.963391	20	PASS
			NV	-10	-6000.00	-1.156069	20	PASS
			NV	0	-6000.00	-1.156069	20	PASS
			NV	10	-6000.00	-1.156069	20	PASS
			NV	20	-6000.00	-1.156069	20	PASS
			NV	30	-6000.00	-1.156069	20	PASS
			NV	40	-6000.00	-1.156069	20	PASS
			NV	50	-6000.00	-1.156069	20	PASS
	Ant1	5230	NV	-30	-5000.00	-0.956023	20	PASS
			NV	-20	-5000.00	-0.956023	20	PASS
			NV	-10	-5000.00	-0.956023	20	PASS
			NV	0	-5000.00	-0.956023	20	PASS
			NV	10	-5000.00	-0.956023	20	PASS
			NV	20	-5000.00	-0.956023	20	PASS
			NV	30	-5000.00	-0.956023	20	PASS
			NV	40	-5000.00	-0.956023	20	PASS
			NV	50	-5000.00	-0.956023	20	PASS
	Ant2	5230	NV	-30	-6000.00	-1.147228	20	PASS
			NV	-20	-5000.00	-0.956023	20	PASS
			NV	-10	-6000.00	-1.147228	20	PASS
			NV	0	-6000.00	-1.147228	20	PASS
			NV	10	-6000.00	-1.147228	20	PASS
			NV	20	-6000.00	-1.147228	20	PASS
			NV	30	-6000.00	-1.147228	20	PASS
			NV	40	-6000.00	-1.147228	20	PASS
			NV	50	-6000.00	-1.147228	20	PASS
	Ant1	5755	NV	-30	-6000.00	-1.042572	20	PASS
			NV	-20	-6000.00	-1.042572	20	PASS
			NV	-10	-6000.00	-1.042572	20	PASS
			NV	0	-6000.00	-1.042572	20	PASS
			NV	10	-6000.00	-1.042572	20	PASS
			NV	20	-6000.00	-1.042572	20	PASS
			NV	30	-6000.00	-1.042572	20	PASS
			NV	40	-6000.00	-1.042572	20	PASS
			NV	50	-6000.00	-1.042572	20	PASS
	Ant2	5755	NV	-30	-7000.00	-1.216334	20	PASS
			NV	-20	-7000.00	-1.216334	20	PASS
			NV	-10	-7000.00	-1.216334	20	PASS
			NV	0	-7000.00	-1.216334	20	PASS
			NV	10	-7000.00	-1.216334	20	PASS

802.11ac VHT20 MIMO			NV	20	-7000.00	-1.216334	20	PASS
			NV	30	-7000.00	-1.216334	20	PASS
			NV	40	-7000.00	-1.216334	20	PASS
			NV	50	-6000.00	-1.042572	20	PASS
	Ant1	5795	NV	-30	-6000.00	-1.035375	20	PASS
			NV	-20	-6000.00	-1.035375	20	PASS
			NV	-10	-6000.00	-1.035375	20	PASS
			NV	0	-6000.00	-1.035375	20	PASS
			NV	10	-6000.00	-1.035375	20	PASS
			NV	20	-6000.00	-1.035375	20	PASS
			NV	30	-6000.00	-1.035375	20	PASS
			NV	40	-6000.00	-1.035375	20	PASS
			NV	50	-6000.00	-1.035375	20	PASS
			NV	-30	-6000.00	-1.035375	20	PASS
			NV	-20	-6000.00	-1.035375	20	PASS
			NV	-10	-6000.00	-1.035375	20	PASS
	Ant2	5795	NV	0	-6000.00	-1.035375	20	PASS
			NV	10	-6000.00	-1.035375	20	PASS
			NV	20	-6000.00	-1.035375	20	PASS
			NV	30	-6000.00	-1.035375	20	PASS
			NV	40	-6000.00	-1.035375	20	PASS
			NV	50	-6000.00	-1.035375	20	PASS
	Ant1	5180	NV	-30	-7000.00	-1.351351	20	PASS
			NV	-20	-7000.00	-1.351351	20	PASS
			NV	-10	-7000.00	-1.351351	20	PASS
			NV	0	-7000.00	-1.351351	20	PASS
			NV	10	-6000.00	-1.158301	20	PASS
			NV	20	-7000.00	-1.351351	20	PASS
			NV	30	-7000.00	-1.351351	20	PASS
			NV	40	-6000.00	-1.158301	20	PASS
			NV	50	-7000.00	-1.351351	20	PASS
		5200	NV	-30	-6000.00	-1.153846	20	PASS
			NV	-20	-6000.00	-1.153846	20	PASS
			NV	-10	-6000.00	-1.153846	20	PASS
			NV	0	-7000.00	-1.346154	20	PASS
			NV	10	-7000.00	-1.346154	20	PASS
			NV	20	-7000.00	-1.346154	20	PASS
			NV	30	-6000.00	-1.153846	20	PASS
			NV	40	-6000.00	-1.153846	20	PASS
			NV	50	-6000.00	-1.153846	20	PASS
	Ant2	5200	NV	-30	-6000.00	-1.153846	20	PASS
			NV	-20	-6000.00	-1.153846	20	PASS
			NV	-10	-6000.00	-1.153846	20	PASS
			NV	0	-6000.00	-1.153846	20	PASS
			NV	10	-6000.00	-1.153846	20	PASS
			NV	20	-6000.00	-1.153846	20	PASS
			NV	30	-6000.00	-1.153846	20	PASS
			NV	40	-6000.00	-1.153846	20	PASS
	Ant1	5240	NV	50	-6000.00	-1.153846	20	PASS
			NV	-30	-6000.00	-1.145038	20	PASS
			NV	-20	-6000.00	-1.145038	20	PASS
			NV	-10	-6000.00	-1.145038	20	PASS
			NV	0	-6000.00	-1.145038	20	PASS
			NV	10	-6000.00	-1.145038	20	PASS

			NV	20	-6000.00	-1.145038	20	PASS
			NV	30	-6000.00	-1.145038	20	PASS
			NV	40	-6000.00	-1.145038	20	PASS
			NV	50	-6000.00	-1.145038	20	PASS
	Ant2	5240	NV	-30	-6000.00	-1.145038	20	PASS
			NV	-20	-6000.00	-1.145038	20	PASS
			NV	-10	-6000.00	-1.145038	20	PASS
			NV	0	-6000.00	-1.145038	20	PASS
			NV	10	-6000.00	-1.145038	20	PASS
			NV	20	-6000.00	-1.145038	20	PASS
			NV	30	-6000.00	-1.145038	20	PASS
			NV	40	-6000.00	-1.145038	20	PASS
			NV	50	-6000.00	-1.145038	20	PASS
	Ant1	5745	NV	-30	-7000.00	-1.218451	20	PASS
			NV	-20	-7000.00	-1.218451	20	PASS
			NV	-10	-7000.00	-1.218451	20	PASS
			NV	0	-7000.00	-1.218451	20	PASS
			NV	10	-7000.00	-1.218451	20	PASS
			NV	20	-7000.00	-1.218451	20	PASS
			NV	30	-7000.00	-1.218451	20	PASS
			NV	40	-7000.00	-1.218451	20	PASS
	Ant2	5745	NV	-30	-6000.00	-1.044386	20	PASS
			NV	-20	-6000.00	-1.044386	20	PASS
			NV	-10	-6000.00	-1.044386	20	PASS
			NV	0	-6000.00	-1.044386	20	PASS
			NV	10	-6000.00	-1.044386	20	PASS
			NV	20	-6000.00	-1.044386	20	PASS
			NV	30	-6000.00	-1.044386	20	PASS
			NV	40	-6000.00	-1.044386	20	PASS
	Ant1	5785	NV	-30	-6000.00	-1.037165	20	PASS
			NV	-20	-6000.00	-1.037165	20	PASS
			NV	-10	-6000.00	-1.037165	20	PASS
			NV	0	-6000.00	-1.037165	20	PASS
			NV	10	-6000.00	-1.037165	20	PASS
			NV	20	-6000.00	-1.037165	20	PASS
			NV	30	-6000.00	-1.037165	20	PASS
			NV	40	-6000.00	-1.037165	20	PASS
	Ant2	5785	NV	-30	-6000.00	-1.037165	20	PASS
			NV	-20	-6000.00	-1.037165	20	PASS
			NV	-10	-7000.00	-1.210026	20	PASS
			NV	0	-7000.00	-1.210026	20	PASS
			NV	10	-6000.00	-1.037165	20	PASS
			NV	20	-6000.00	-1.037165	20	PASS
			NV	30	-7000.00	-1.210026	20	PASS
			NV	40	-7000.00	-1.210026	20	PASS
	Ant1	5825	NV	-30	-6000.00	-1.030043	20	PASS
			NV	-20	-6000.00	-1.030043	20	PASS
			NV	-10	-6000.00	-1.030043	20	PASS
			NV	0	-6000.00	-1.030043	20	PASS
			NV	10	-6000.00	-1.030043	20	PASS

			NV	20	-6000.00	-1.030043	20	PASS
			NV	30	-6000.00	-1.030043	20	PASS
			NV	40	-6000.00	-1.030043	20	PASS
			NV	50	-6000.00	-1.030043	20	PASS
	Ant2	5825	NV	-30	-6000.00	-1.030043	20	PASS
			NV	-20	-6000.00	-1.030043	20	PASS
			NV	-10	-6000.00	-1.030043	20	PASS
			NV	0	-7000.00	-1.201717	20	PASS
			NV	10	-6000.00	-1.030043	20	PASS
			NV	20	-6000.00	-1.030043	20	PASS
			NV	30	-6000.00	-1.030043	20	PASS
			NV	40	-6000.00	-1.030043	20	PASS
			NV	50	-6000.00	-1.030043	20	PASS
			NV	-30	-5000.00	-0.963391	20	PASS
			NV	-20	-5000.00	-0.963391	20	PASS
			NV	-10	-5000.00	-0.963391	20	PASS
802.11ac VHT40 MIMO	Ant1	5190	NV	0	-5000.00	-0.963391	20	PASS
			NV	10	-5000.00	-0.963391	20	PASS
			NV	20	-5000.00	-0.963391	20	PASS
			NV	30	-5000.00	-0.963391	20	PASS
			NV	40	-5000.00	-0.963391	20	PASS
			NV	50	-5000.00	-0.963391	20	PASS
			NV	-30	-6000.00	-1.156069	20	PASS
			NV	-20	-6000.00	-1.156069	20	PASS
	Ant2	5190	NV	-10	-6000.00	-1.156069	20	PASS
			NV	0	-6000.00	-1.156069	20	PASS
			NV	10	-6000.00	-1.156069	20	PASS
			NV	20	-6000.00	-1.156069	20	PASS
			NV	30	-6000.00	-1.156069	20	PASS
			NV	40	-5000.00	-0.963391	20	PASS
			NV	50	-6000.00	-1.156069	20	PASS
			NV	-30	-5000.00	-0.956023	20	PASS
	Ant1	5230	NV	-20	-5000.00	-0.956023	20	PASS
			NV	-10	-5000.00	-0.956023	20	PASS
			NV	0	-5000.00	-0.956023	20	PASS
			NV	10	-5000.00	-0.956023	20	PASS
			NV	20	-5000.00	-0.956023	20	PASS
			NV	30	-5000.00	-0.956023	20	PASS
			NV	40	-5000.00	-0.956023	20	PASS
			NV	50	-5000.00	-0.956023	20	PASS
	Ant2	5230	NV	-30	-6000.00	-1.147228	20	PASS
			NV	-20	-6000.00	-1.147228	20	PASS
			NV	-10	-6000.00	-1.147228	20	PASS
			NV	0	-6000.00	-1.147228	20	PASS
			NV	10	-6000.00	-1.147228	20	PASS
			NV	20	-6000.00	-1.147228	20	PASS
			NV	30	-6000.00	-1.147228	20	PASS
			NV	40	-6000.00	-1.147228	20	PASS
	Ant1	5755	NV	50	-6000.00	-1.147228	20	PASS
			NV	-30	-6000.00	-1.042572	20	PASS
			NV	-20	-6000.00	-1.042572	20	PASS
			NV	-10	-6000.00	-1.042572	20	PASS
			NV	0	-6000.00	-1.042572	20	PASS
			NV	10	-6000.00	-1.042572	20	PASS

			NV	20	-6000.00	-1.042572	20	PASS
			NV	30	-6000.00	-1.042572	20	PASS
			NV	40	-6000.00	-1.042572	20	PASS
			NV	50	-6000.00	-1.042572	20	PASS
	Ant2	5755	NV	-30	-7000.00	-1.216334	20	PASS
			NV	-20	-7000.00	-1.216334	20	PASS
			NV	-10	-7000.00	-1.216334	20	PASS
			NV	0	-7000.00	-1.216334	20	PASS
			NV	10	-7000.00	-1.216334	20	PASS
			NV	20	-6000.00	-1.042572	20	PASS
			NV	30	-7000.00	-1.216334	20	PASS
			NV	40	-7000.00	-1.216334	20	PASS
			NV	50	-7000.00	-1.216334	20	PASS
	Ant1	5795	NV	-30	-6000.00	-1.035375	20	PASS
			NV	-20	-6000.00	-1.035375	20	PASS
			NV	-10	-6000.00	-1.035375	20	PASS
			NV	0	-6000.00	-1.035375	20	PASS
			NV	10	-6000.00	-1.035375	20	PASS
			NV	20	-6000.00	-1.035375	20	PASS
			NV	30	-6000.00	-1.035375	20	PASS
			NV	40	-6000.00	-1.035375	20	PASS
	Ant2	5795	NV	50	-6000.00	-1.035375	20	PASS
			NV	-30	-6000.00	-1.035375	20	PASS
			NV	-20	-6000.00	-1.035375	20	PASS
			NV	-10	-6000.00	-1.035375	20	PASS
			NV	0	-6000.00	-1.035375	20	PASS
			NV	10	-6000.00	-1.035375	20	PASS
			NV	20	-6000.00	-1.035375	20	PASS
			NV	30	-6000.00	-1.035375	20	PASS
802.11ac VHT80 MIMO	Ant1	5210	NV	-30	-9000.00	-1.727447	20	PASS
			NV	-20	-9000.00	-1.727447	20	PASS
			NV	-10	-10000.00	-1.919386	20	PASS
			NV	0	-10000.00	-1.919386	20	PASS
			NV	10	-11000.00	-2.111324	20	PASS
			NV	20	-11000.00	-2.111324	20	PASS
			NV	30	-11000.00	-2.111324	20	PASS
			NV	40	-11000.00	-2.111324	20	PASS
	Ant2	5210	NV	50	-12000.00	-2.303263	20	PASS
			NV	-30	-13000.00	-2.495202	20	PASS
			NV	-20	-13000.00	-2.495202	20	PASS
			NV	-10	-13000.00	-2.495202	20	PASS
			NV	0	-14000.00	-2.687140	20	PASS
			NV	10	-14000.00	-2.687140	20	PASS
			NV	20	-14000.00	-2.687140	20	PASS
			NV	30	-14000.00	-2.687140	20	PASS
	Ant1	5775	NV	40	-14000.00	-2.687140	20	PASS
			NV	50	-14000.00	-2.687140	20	PASS
			NV	-30	-15000.00	-2.597403	20	PASS
			NV	-20	-15000.00	-2.597403	20	PASS
			NV	-10	-15000.00	-2.597403	20	PASS
			NV	0	-15000.00	-2.597403	20	PASS
			NV	10	-15000.00	-2.597403	20	PASS

			NV	20	-15000.00	-2.597403	20	PASS
			NV	30	-15000.00	-2.597403	20	PASS
			NV	40	-15000.00	-2.597403	20	PASS
			NV	50	-15000.00	-2.597403	20	PASS
	Ant2	5775	NV	-30	-16000.00	-2.770563	20	PASS
			NV	-20	-16000.00	-2.770563	20	PASS
			NV	-10	-15000.00	-2.597403	20	PASS
			NV	0	-16000.00	-2.770563	20	PASS
			NV	10	-16000.00	-2.770563	20	PASS
			NV	20	-16000.00	-2.770563	20	PASS
			NV	30	-16000.00	-2.770563	20	PASS
			NV	40	-16000.00	-2.770563	20	PASS
			NV	50	-16000.00	-2.770563	20	PASS

Note: 1.This report records the worst case of temperature change test observation time 0/2/5/10min .

2.Test Voltage-NV:DC 13.5V, Test Voltage-LV:DC 12.15V, Test Voltage-HV:DC 14.85V.

3.Temperature Range:-30℃~50℃, Temperature-NT: 23.5℃.

APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM

Please refer to the attached document E20230328398101-16-Test photo.

APPENDIX B. PHOTOGRAPH OF THE EUT

Please refer to the attached document E20230328398101-17-EUT photo.

----- End of Report -----