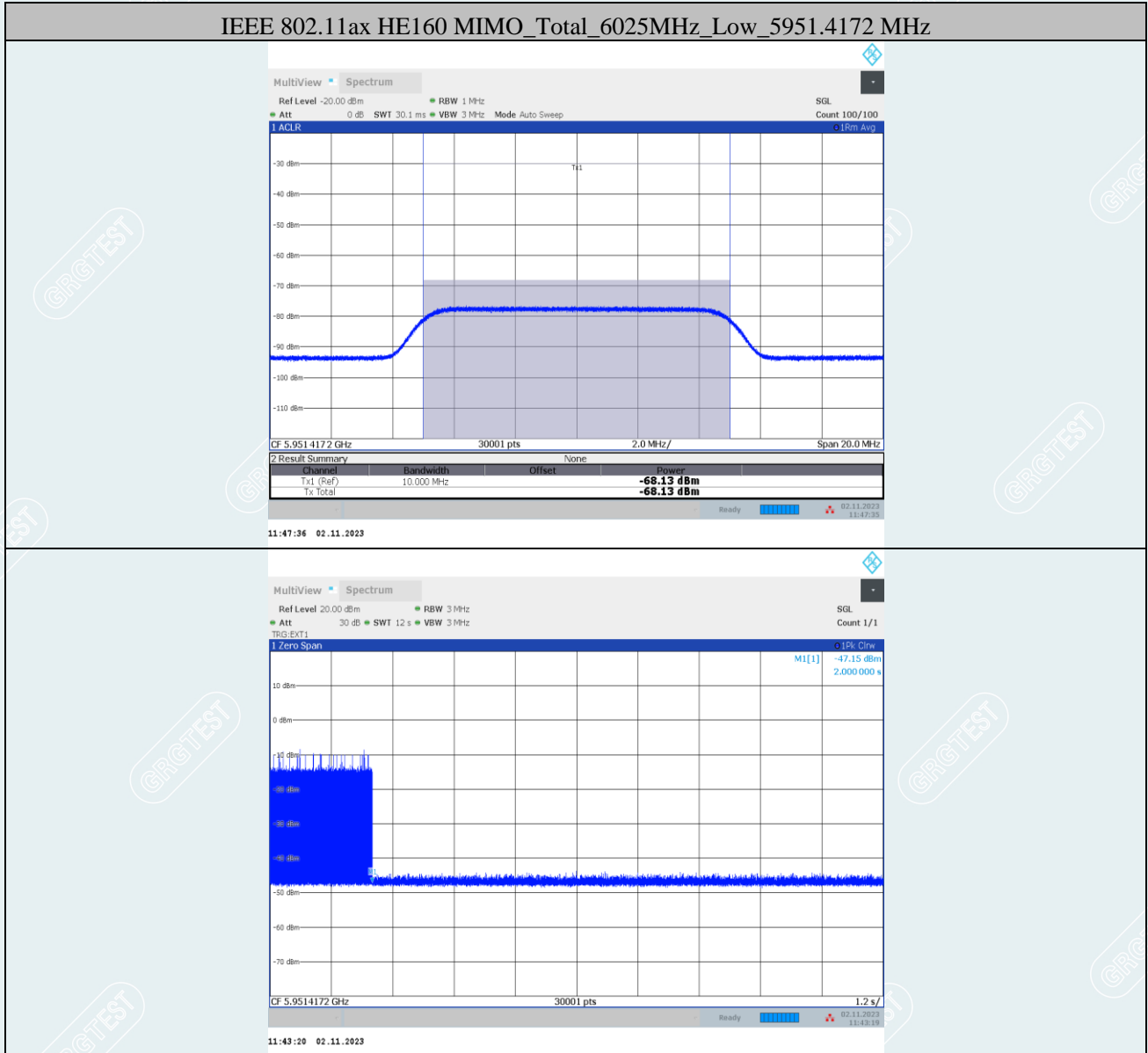


Frequency [MHz]	Interference Frequency [MHz]		1	2	3	4	5	6	7	8	9	10	Detection Rate [%]	Detection Rate Limit[%]	Verdict
	Low	High													
6025	Low	5951.4172	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	Center	6025	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	High	6099.0262	1	1	0	1	1	1	1	1	1	1	90	90	PASS
6505	Low	6430.2921	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	Center	6505	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	High	6577.8945	1	1	1	1	1	0	1	1	1	1	90	90	PASS
6665	Low	6590.7826	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	Center	6665	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	High	6739.2293	1	1	1	1	1	1	1	1	0	1	90	90	PASS
6985	Low	6910.1515	1	1	1	1	1	1	1	1	1	1	100	90	PASS
	Center	6985	1	1	1	1	0	1	1	1	1	1	90	90	PASS
	High	7058.5812	1	0	1	1	1	1	1	1	1	1	90	90	PASS

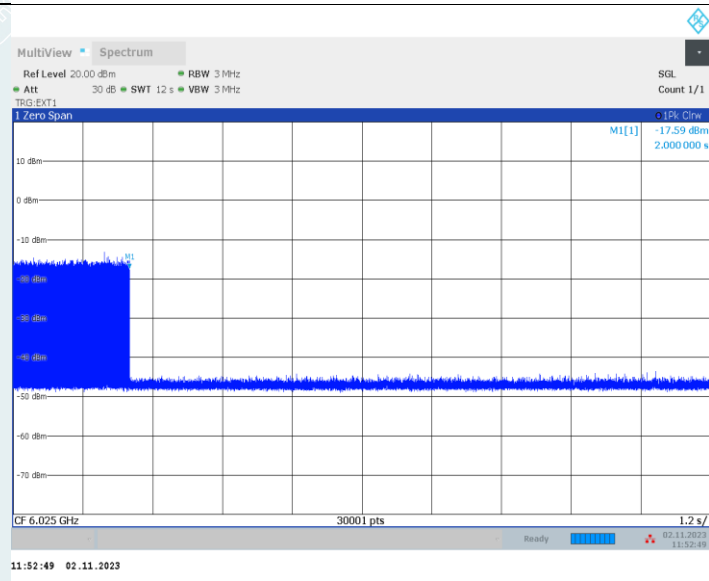
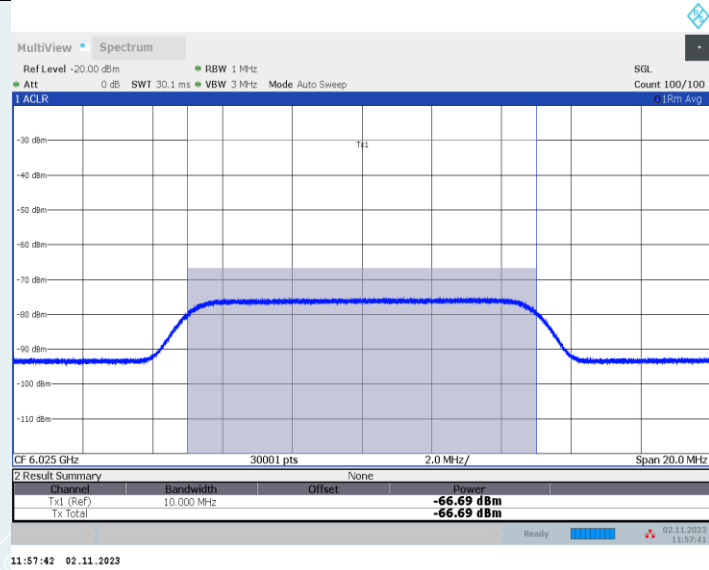
Note: Contention-based protocol Detection Trials(1=Detection, 0=No Detection)

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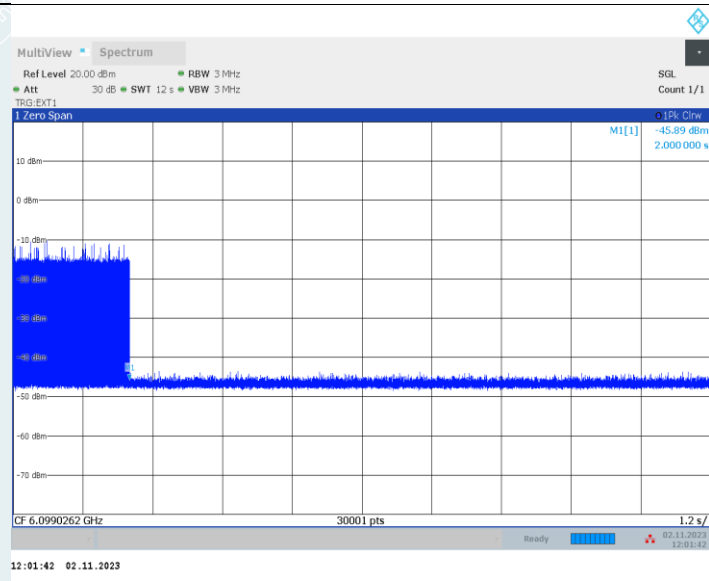
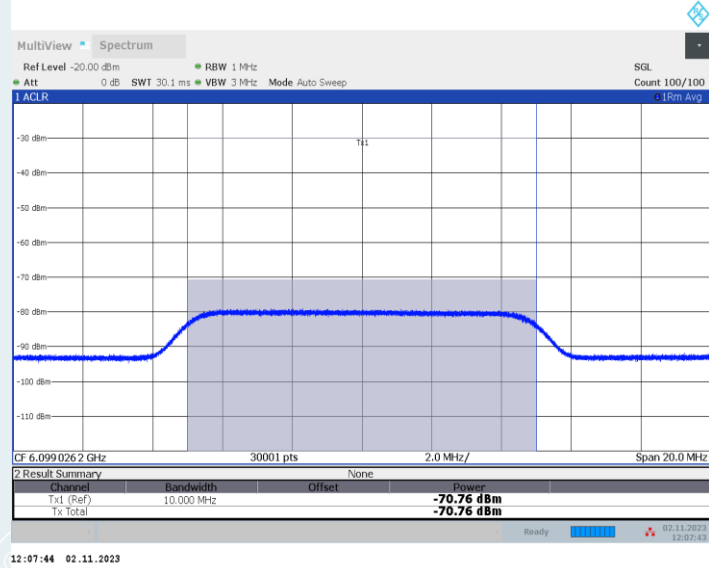
Test Graphs



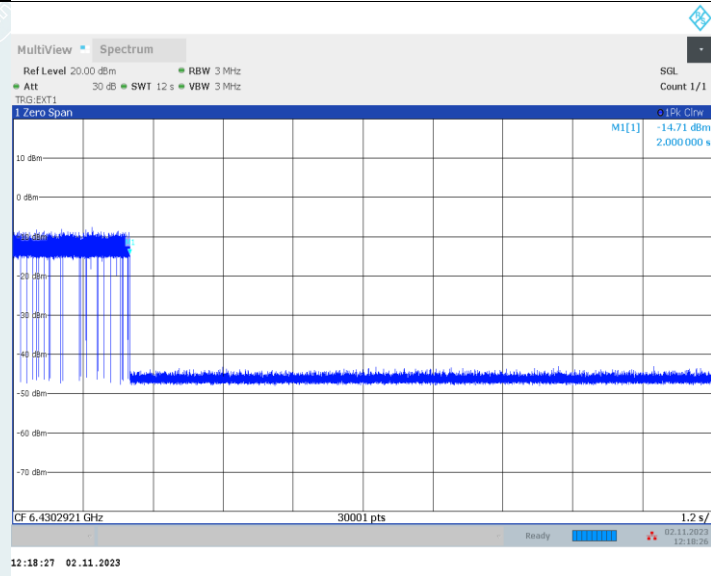
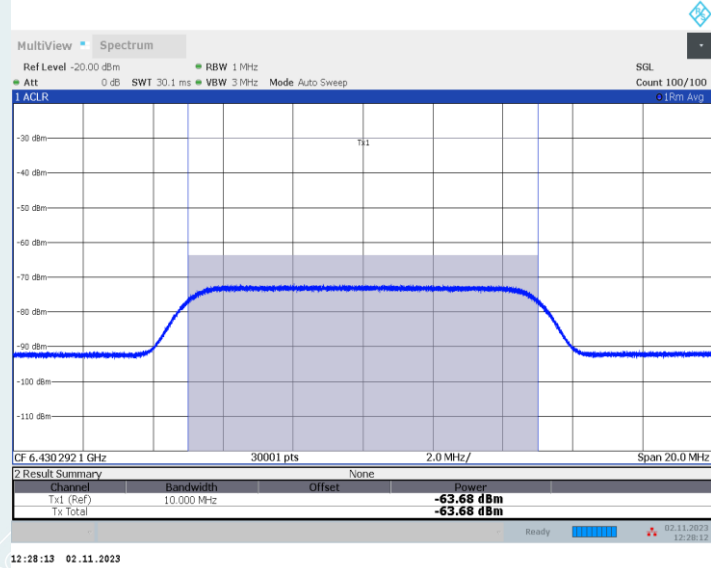
IEEE 802.11ax HE160 MIMO\_Total\_6025MHz\_Center\_6025 MHz



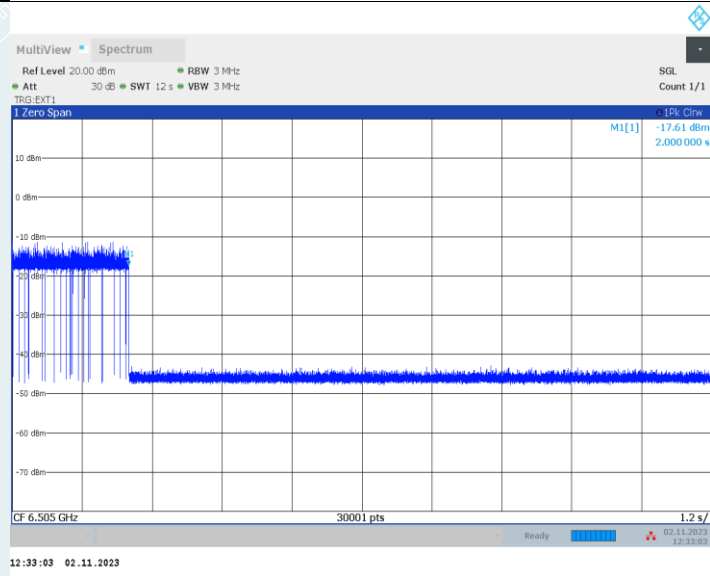
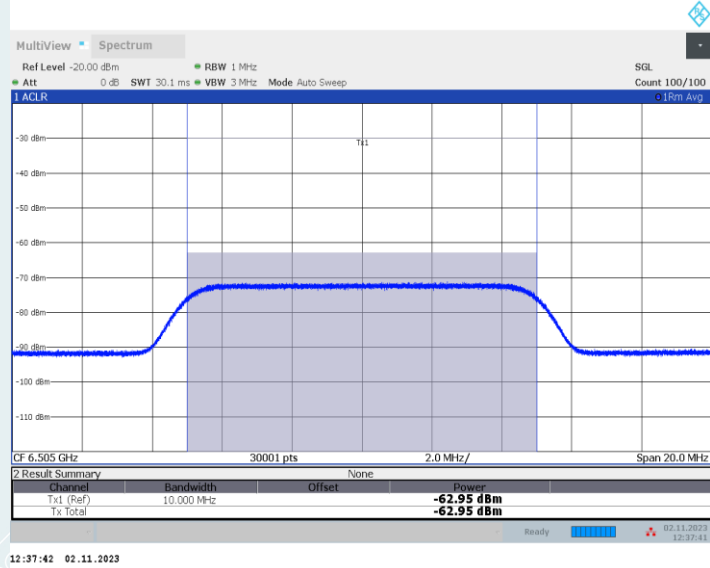
IEEE 802.11ax HE160 MIMO\_Total\_6025MHz\_High\_6099.0262 MHz



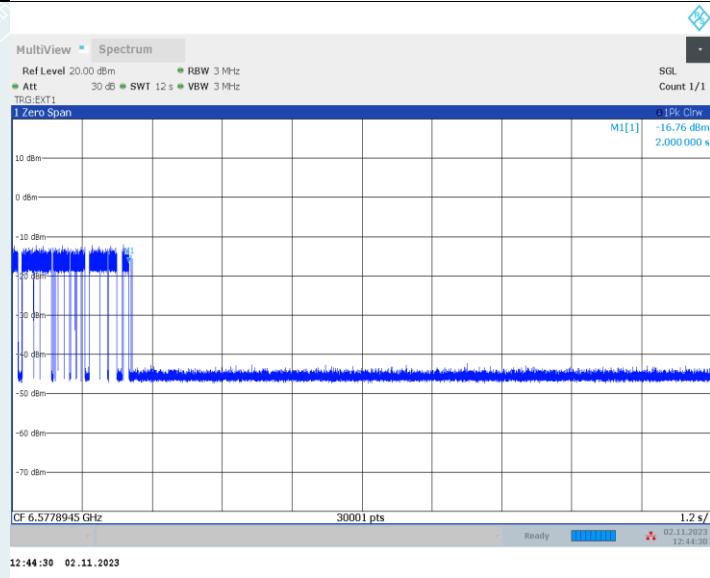
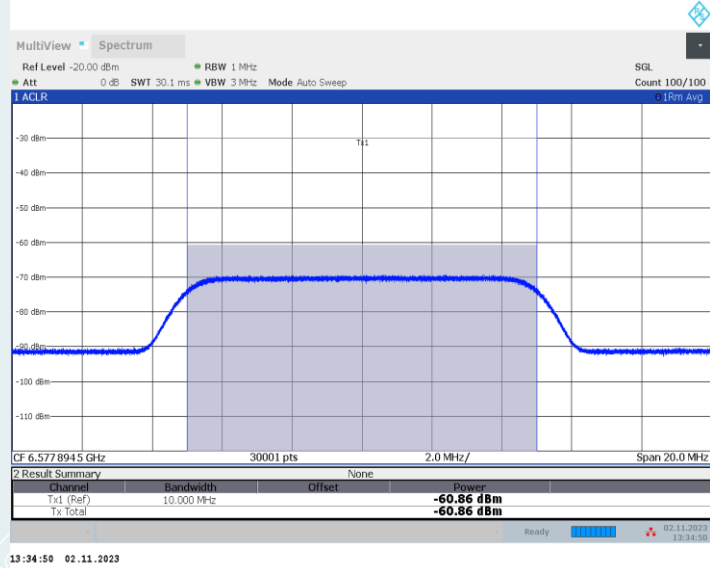
IEEE 802.11ax HE160 MIMO\_Total\_6505MHz\_Low\_6430.2921 MHz



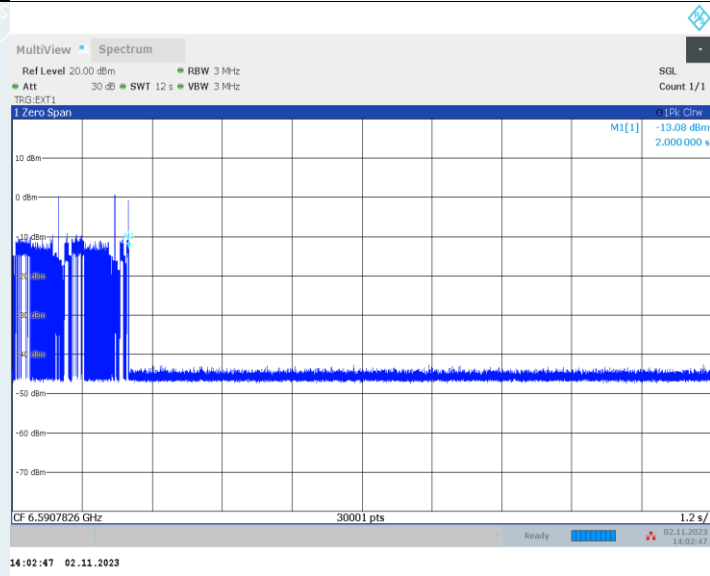
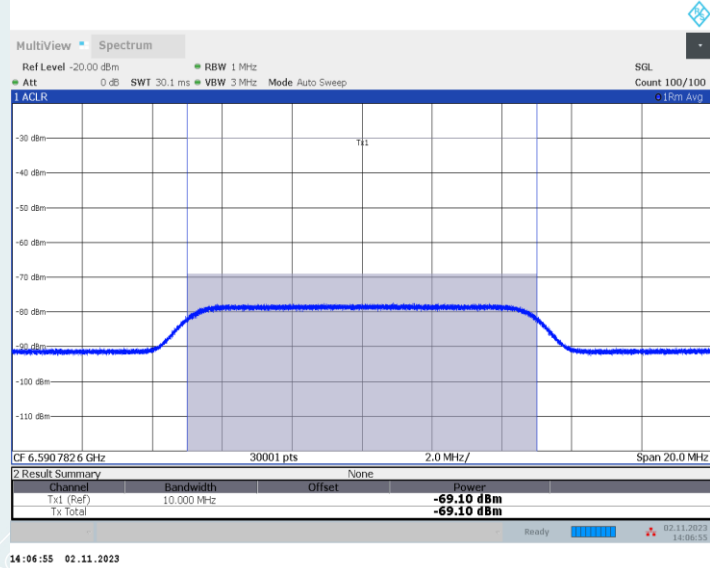
### IEEE 802.11ax HE160 MIMO\_Total\_6505MHz\_Center\_6505 MHz



### IEEE 802.11ax HE160 MIMO\_Total\_6505MHz\_High\_6577.8945 MHz

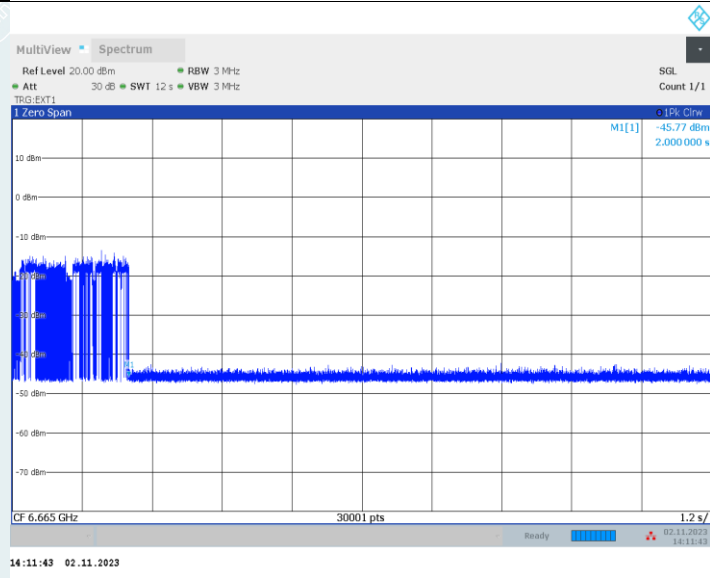
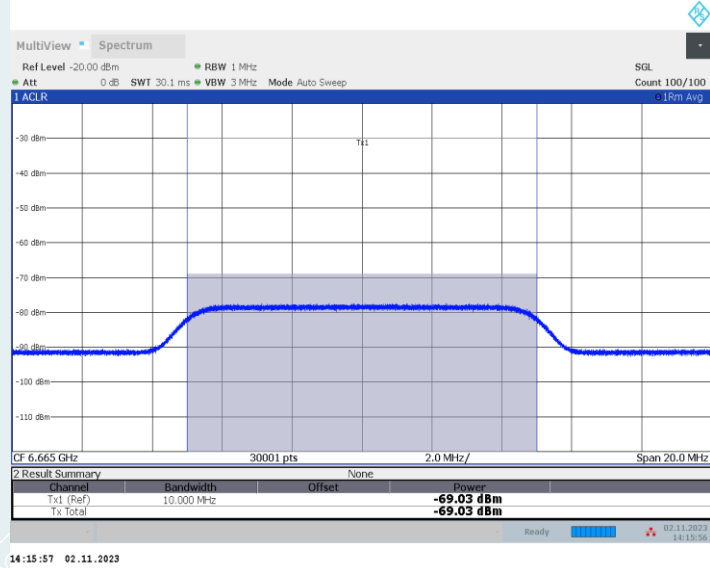


IEEE 802.11ax HE160 MIMO\_Total\_6665MHz\_Low\_6590.7826 MHz

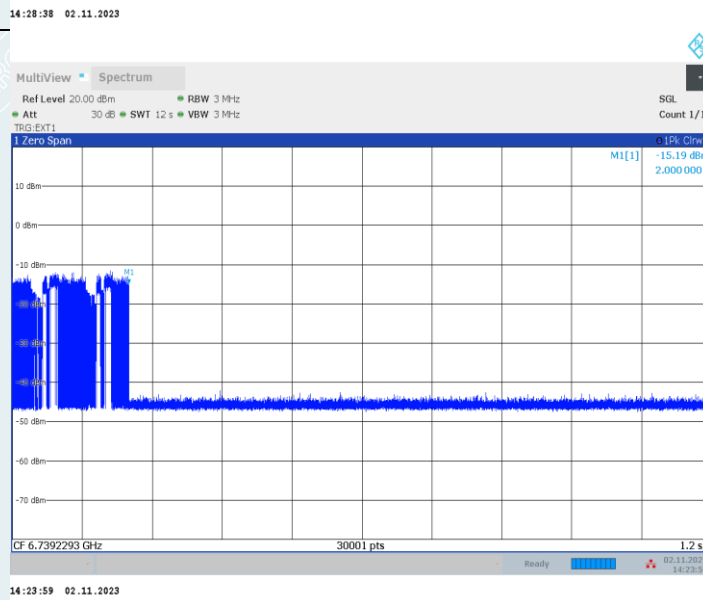
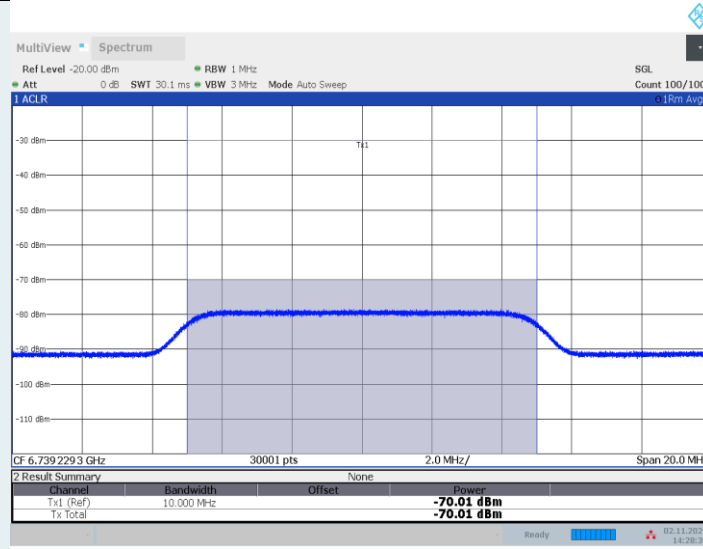




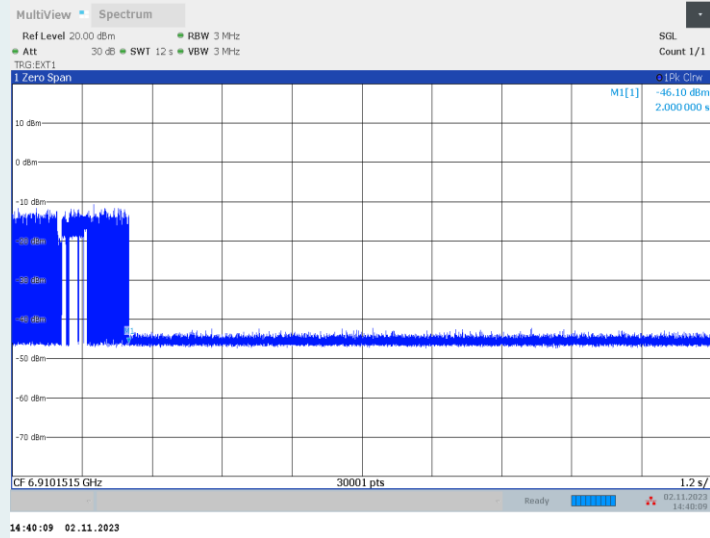
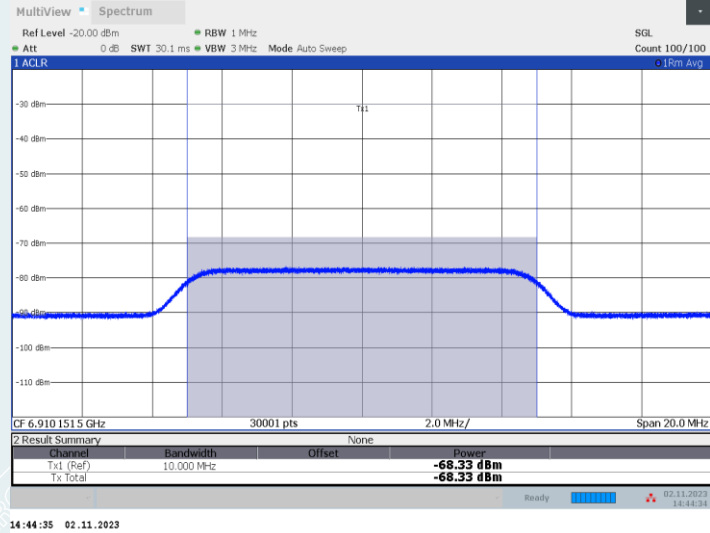
IEEE 802.11ax HE160 MIMO\_Total\_6665MHz\_Center\_6665 MHz



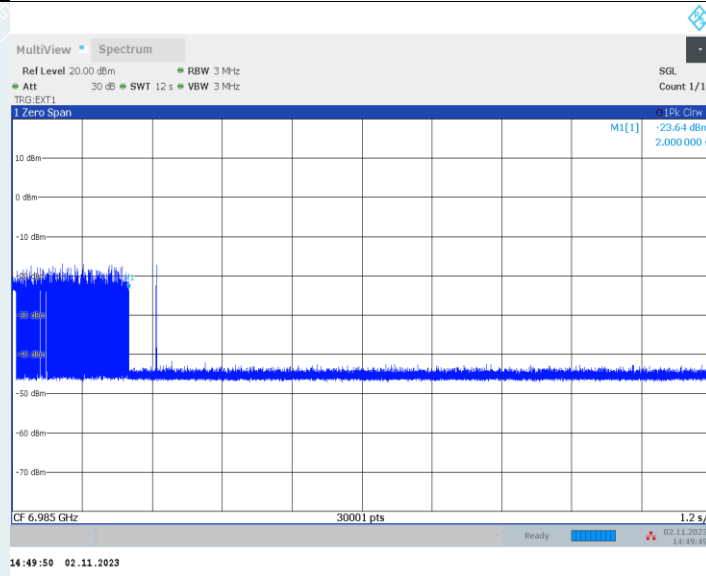
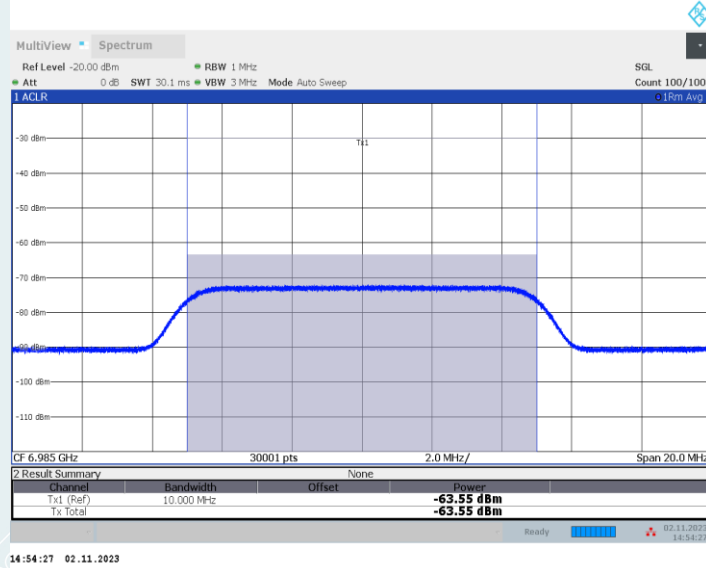
IEEE 802.11ax HE160 MIMO\_Total\_6665MHz\_High\_6739.2293 MHz



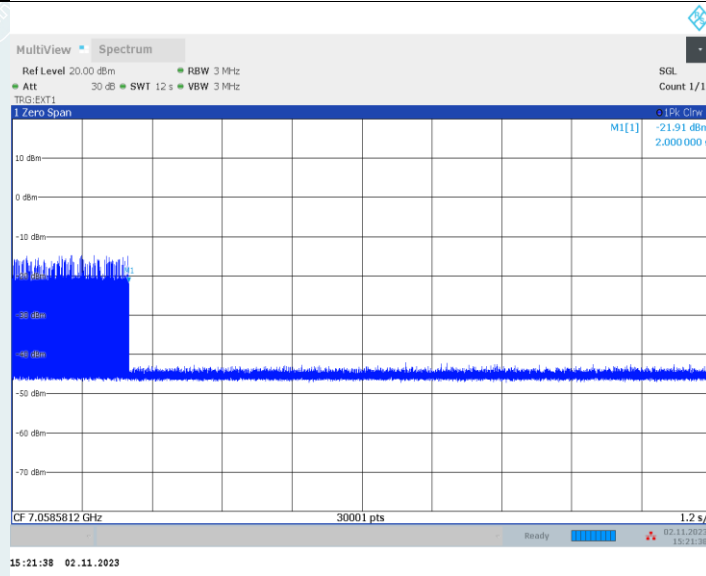
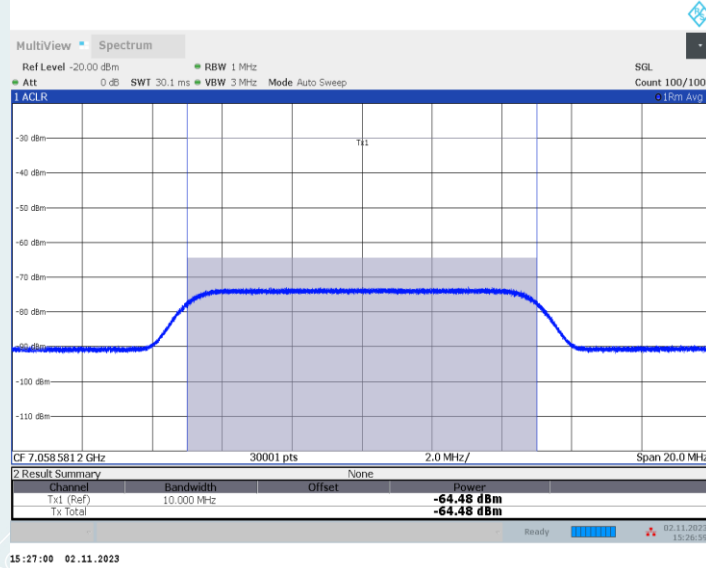
### IEEE 802.11ax HE160 MIMO\_Total\_6985 MHz\_Low\_6910.1515 MHz



### IEEE 802.11ax HE160 MIMO\_Total\_6985 MHz\_Center\_6985 MHz



IEEE 802.11ax HE160 MIMO\_Total\_6985 MHz\_High\_7058.5812 MHz



### 13. FREQUENCY STABILITY

#### 13.1. 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.

#### 13.2. TEST PROCEDURES

##### (1) Frequency stability with respect to ambient temperature

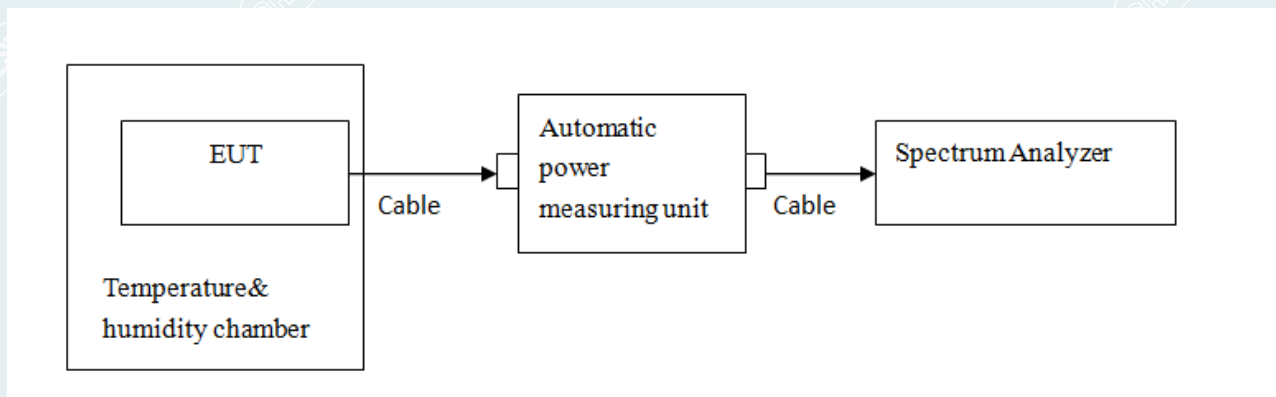
- a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped 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 C63.10-2020(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 C63.10-2020(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 a) through step d) 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 C63.10-2020(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 C63.10-2020(5.6).
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage as described in §ANSI C63.10-2020(5.13).

**13.3. TEST SETUP**

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13.4. TEST RESULTS

<b>Tested By</b>	Qin Tingting	<b>Tested Date</b>	2023-11-08
<b>Environmental Conditions</b>	25.8°C/65%RH/101.0kPa	<b>Test Voltage</b>	DC 20V

Voltage								
Test Mode	Antenna	Freq (MHz)	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
IEEE 802.11ax HE160	Ant1	6025	NV	NT	-56900.00	-9.443983	20	PASS
			LV	NT	-56900.00	-9.443983	20	PASS
			HV	NT	-56900.00	-9.443983	20	PASS
	Ant2	6025	NV	NT	-56900.00	-9.443983	20	PASS
			LV	NT	-56900.00	-9.443983	20	PASS
			HV	NT	-56900.00	-9.443983	20	PASS
	Ant1	6185	NV	NT	-58900.00	-9.523040	20	PASS
			LV	NT	-58900.00	-9.523040	20	PASS
			HV	NT	-58900.00	-9.523040	20	PASS
	Ant2	6185	NV	NT	-58900.00	-9.523040	20	PASS
			LV	NT	-58900.00	-9.523040	20	PASS
			HV	NT	-58900.00	-9.523040	20	PASS
	Ant1	6345	NV	NT	-59900.00	-9.440504	20	PASS
			LV	NT	-59900.00	-9.440504	20	PASS
			HV	NT	-59900.00	-9.440504	20	PASS
	Ant2	6345	NV	NT	-58900.00	-9.282900	20	PASS
			LV	NT	-58900.00	-9.282900	20	PASS
			HV	NT	-58900.00	-9.282900	20	PASS
	Ant1	6505	NV	NT	-60900.00	-9.362029	20	PASS
			LV	NT	-60900.00	-9.362029	20	PASS
			HV	NT	-61900.00	-9.515757	20	PASS
	Ant2	6505	NV	NT	-60900.00	-9.362029	20	PASS
			LV	NT	-60900.00	-9.362029	20	PASS
			HV	NT	-60900.00	-9.362029	20	PASS
	Ant1	6665	NV	NT	-60900.00	-9.137284	20	PASS
			LV	NT	-63900.00	-9.587397	20	PASS
			HV	NT	-62900.00	-9.437359	20	PASS
	Ant2	6665	NV	NT	-61900.00	-9.287322	20	PASS
			LV	NT	-61900.00	-9.287322	20	PASS
			HV	NT	-61900.00	-9.287322	20	PASS
	Ant1	6825	NV	NT	-62900.00	-9.216117	20	PASS
			LV	NT	-63900.00	-9.362637	20	PASS
			HV	NT	-63900.00	-9.362637	20	PASS
	Ant2	6825	NV	NT	-62900.00	-9.216117	20	PASS
			LV	NT	-63900.00	-9.362637	20	PASS
			HV	NT	-63900.00	-9.362637	20	PASS
	Ant1	6985	NV	NT	-64900.00	-9.291339	20	PASS
			LV	NT	-65900.00	-9.434503	20	PASS
			HV	NT	-64900.00	-9.291339	20	PASS
	Ant2	6985	NV	NT	-64900.00	-9.291339	20	PASS
			LV	NT	-64900.00	-9.291339	20	PASS
			HV	NT	-64900.00	-9.291339	20	PASS



Temperature								
Test Mode	Antenna	Freq (MHz)	Voltage	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
IEEE 802.11ax HE160	Ant1	6025	NV	10	-56900.00	-9.443983	20	PASS
			NV	20	-56900.00	-9.443983	20	PASS
			NV	30	-56900.00	-9.443983	20	PASS
			NV	35	-56900.00	-9.443983	20	PASS
	Ant2	6025	NV	10	-56900.00	-9.443983	20	PASS
			NV	20	-56900.00	-9.443983	20	PASS
			NV	30	-56900.00	-9.443983	20	PASS
			NV	35	-56900.00	-9.443983	20	PASS
	Ant1	6185	NV	10	-57900.00	-9.361358	20	PASS
			NV	20	-58900.00	-9.523040	20	PASS
			NV	30	-58900.00	-9.523040	20	PASS
			NV	35	-58900.00	-9.523040	20	PASS
	Ant2	6185	NV	10	-58900.00	-9.523040	20	PASS
			NV	20	-58900.00	-9.523040	20	PASS
			NV	30	-57900.00	-9.361358	20	PASS
			NV	35	-58900.00	-9.523040	20	PASS
	Ant1	6345	NV	10	-59900.00	-9.440504	20	PASS
			NV	20	-59900.00	-9.440504	20	PASS
			NV	30	-59900.00	-9.440504	20	PASS
			NV	35	-59900.00	-9.440504	20	PASS
	Ant2	6345	NV	10	-58900.00	-9.282900	20	PASS
			NV	20	-58900.00	-9.282900	20	PASS
			NV	30	-58900.00	-9.282900	20	PASS
			NV	35	-58900.00	-9.282900	20	PASS
	Ant1	6505	NV	10	-60900.00	-9.362029	20	PASS
			NV	20	-61900.00	-9.515757	20	PASS
			NV	30	-60900.00	-9.362029	20	PASS
			NV	35	-60900.00	-9.362029	20	PASS
	Ant2	6505	NV	10	-60900.00	-9.362029	20	PASS
			NV	20	-60900.00	-9.362029	20	PASS
			NV	30	-60900.00	-9.362029	20	PASS
			NV	35	-60900.00	-9.362029	20	PASS
	Ant1	6665	NV	10	-61900.00	-9.287322	20	PASS
			NV	20	-61900.00	-9.287322	20	PASS
			NV	30	-62900.00	-9.437359	20	PASS
			NV	35	-62900.00	-9.437359	20	PASS
	Ant2	6665	NV	10	-61900.00	-9.287322	20	PASS
			NV	20	-61900.00	-9.287322	20	PASS
			NV	30	-61900.00	-9.287322	20	PASS
			NV	35	-61900.00	-9.287322	20	PASS
Ant1	6825	NV	10	-63900.00	-9.362637	20	PASS	
		NV	20	-63900.00	-9.362637	20	PASS	
		NV	30	-63900.00	-9.362637	20	PASS	
		NV	35	-62900.00	-9.216117	20	PASS	
Ant2	6825	NV	10	-62900.00	-9.216117	20	PASS	
		NV	20	-63900.00	-9.362637	20	PASS	
		NV	30	-62900.00	-9.216117	20	PASS	
		NV	35	-63900.00	-9.362637	20	PASS	
Ant1	6985	NV	10	-64900.00	-9.291339	20	PASS	

			NV	20	-64900.00	-9.291339	20	PASS
			NV	30	-64900.00	-9.291339	20	PASS
			NV	35	-63900.00	-9.148175	20	PASS
	Ant2	6985	NV	10	-64900.00	-9.291339	20	PASS
			NV	20	-63900.00	-9.148175	20	PASS
			NV	30	-64900.00	-9.291339	20	PASS
			NV	35	-64900.00	-9.291339	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 20V, Test Voltage-LV: DC18V, Test Voltage-HV: DC 22V.  
 3. Temperature Range:10°C~35°C, Temperature-NT: 25.8°C.

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

**APPENDIX A. PHOTOGRAPH OF THE TEST CONNECTION DIAGRAM**

Please refer to the attached document E20231019753001-FCC Test photo.

**APPENDIX B. PHOTOGRAPH OF THE EUT**

Please refer to the attached document E20231019753001-EUT photo.

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