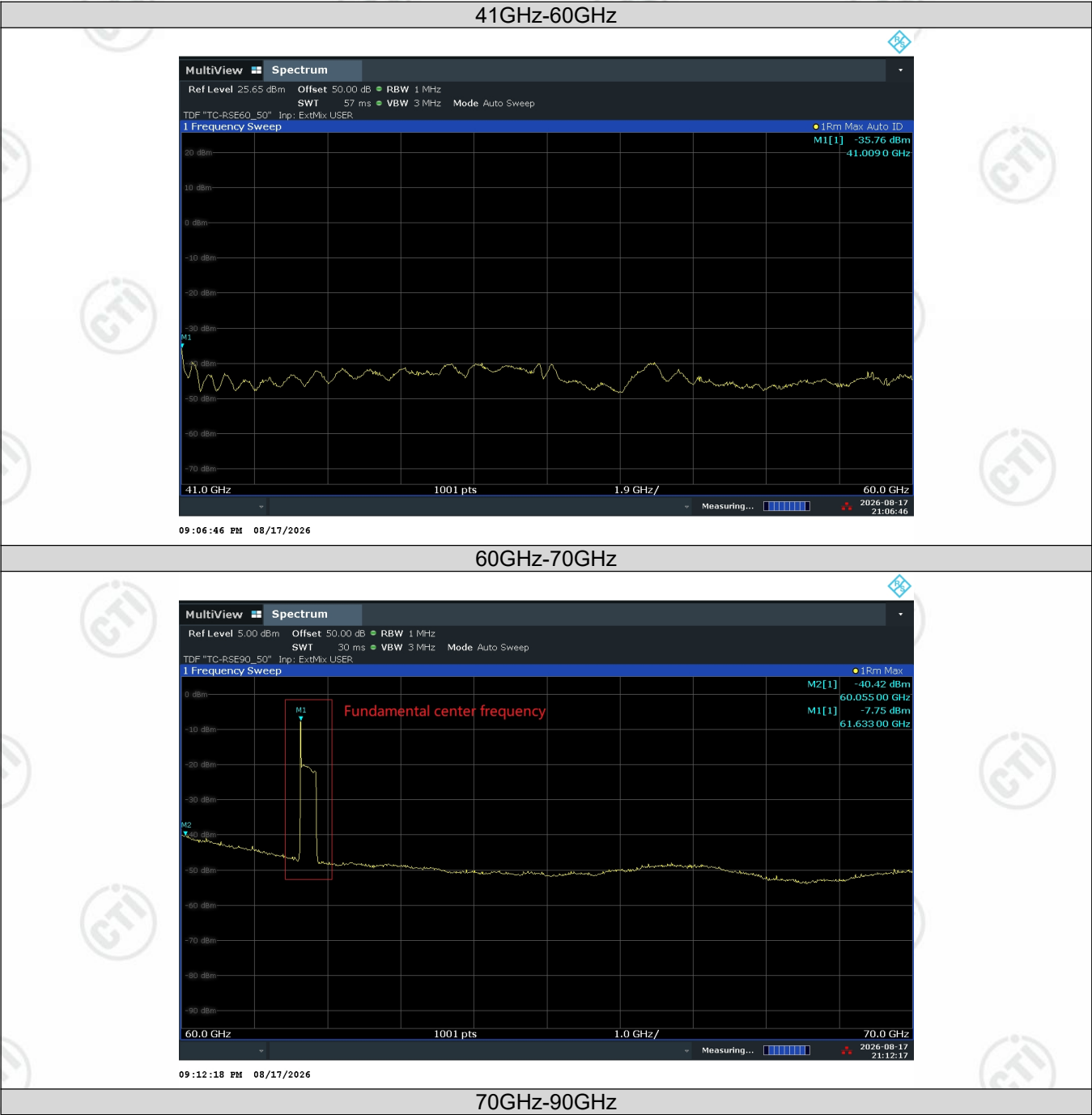
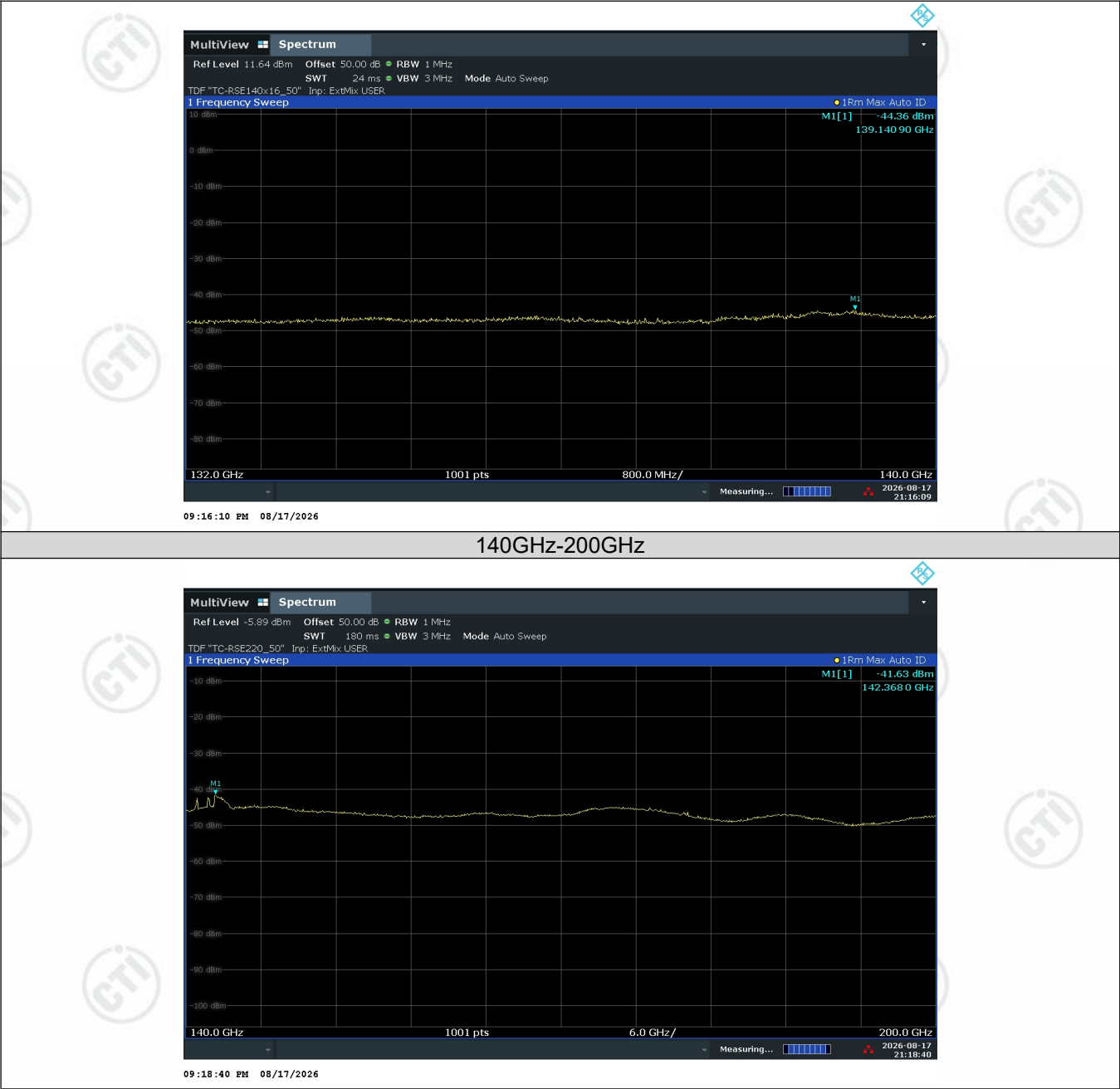




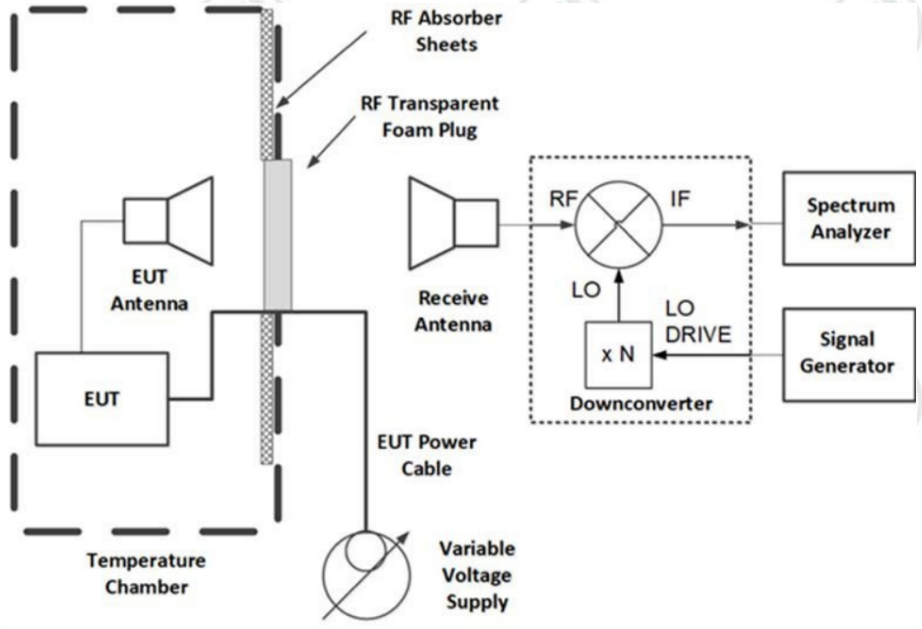
Vertical:







5.7 Frequency stability

Test Requirement:	47 CFR FCC Part 15C §15.255(f)
Test Method:	ANSI C63.10:2020
Limit:	Fundamental emissions must be contained within the frequency bands specified in this section during all conditions of operation.
Test Setup:	 Figure 23—Example of a frequency stability setup configuration
Test Procedure:	The carrier frequency of the transmitter is measured at room temperature. (20°C to provide a reference) At 10°C intervals of temperatures between -30°C and +50°C at the manufacturer's rated supply voltage, and At +20°C temperature and ±15% supply voltage variations. If a product is specified to operate over a range of input voltage then the -15% variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage. Measurement data showing variation in transmitter output frequency from a cold start and the elapsed time necessary for the frequency to stabilize within the applicable tolerance. Tests shall be made after temperature stabilization at each of the ambient temperature levels; the lower temperature limit, 0°C and + 30°C with no primary power applied. Beginning at each temperature level , the frequency shall be measured within one minute after application of primary power to the transmitter and at intervals of no more than one minute thereafter until ten minutes have elapsed or until sufficient measurements are obtained to indicate clearly that the frequency has stabilized within the applicable tolerance, whichever time period is greater. During each test, the ambient temperature shall not be allowed to rise more than 10°C above the respective beginning ambient temperature level.
Test Mode:	TX mode_Make EUT continuously emit radar signals.

Test data:

Voltage (%)	Power (V/DC)	Temperature (°C)	Frequency Left (GHz)	Frequency Right (GHz)	Limit (GHz)	Result
100	24.0	-40	61.634091	61.842845	57 to 71	Pass
		-30	61.634096	61.842886	57 to 71	Pass
		-20	61.634121	61.842729	57 to 71	Pass
		-10	61.634105	61.842834	57 to 71	Pass
		0	61.634258	61.842884	57 to 71	Pass
		+10	61.634045	61.842836	57 to 71	Pass
		+20	61.634092	61.842790	57 to 71	Pass
		+30	61.634098	61.842823	57 to 71	Pass
		+40	61.634105	61.842717	57 to 71	Pass
		+50	61.634108	61.842867	57 to 71	Pass
		+60	61.634121	61.842810	57 to 71	Pass
		+70	61.634238	61.842841	57 to 71	Pass
		+80	61.634063	61.842694	57 to 71	Pass
		+85	61.634061	61.842946	57 to 71	Pass
115	30.0	+20	61.634059	61.842881	57 to 71	Pass
85	8.0	+20	61.634109	61.842849	57 to 71	Pass

Note:The extreme voltage and extreme temperature is specified by the manufacturer.