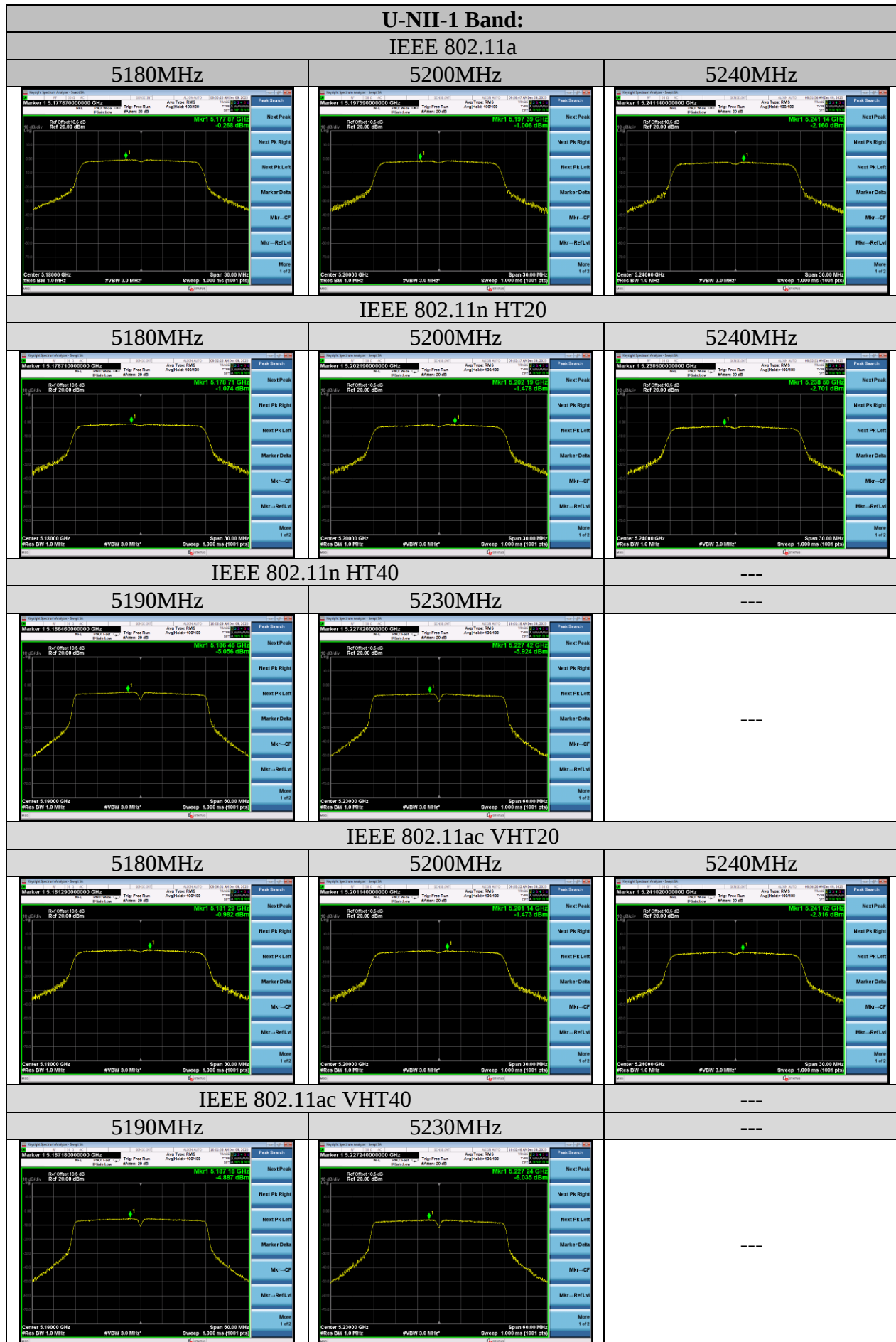
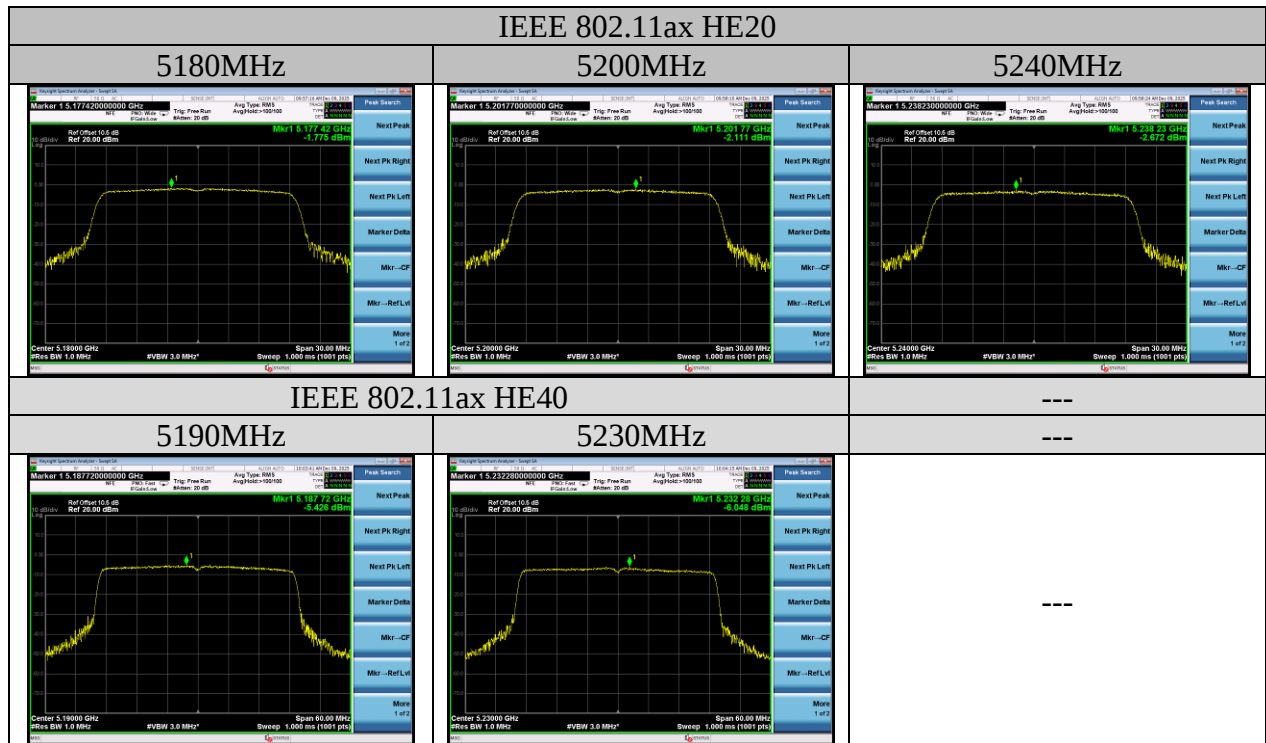
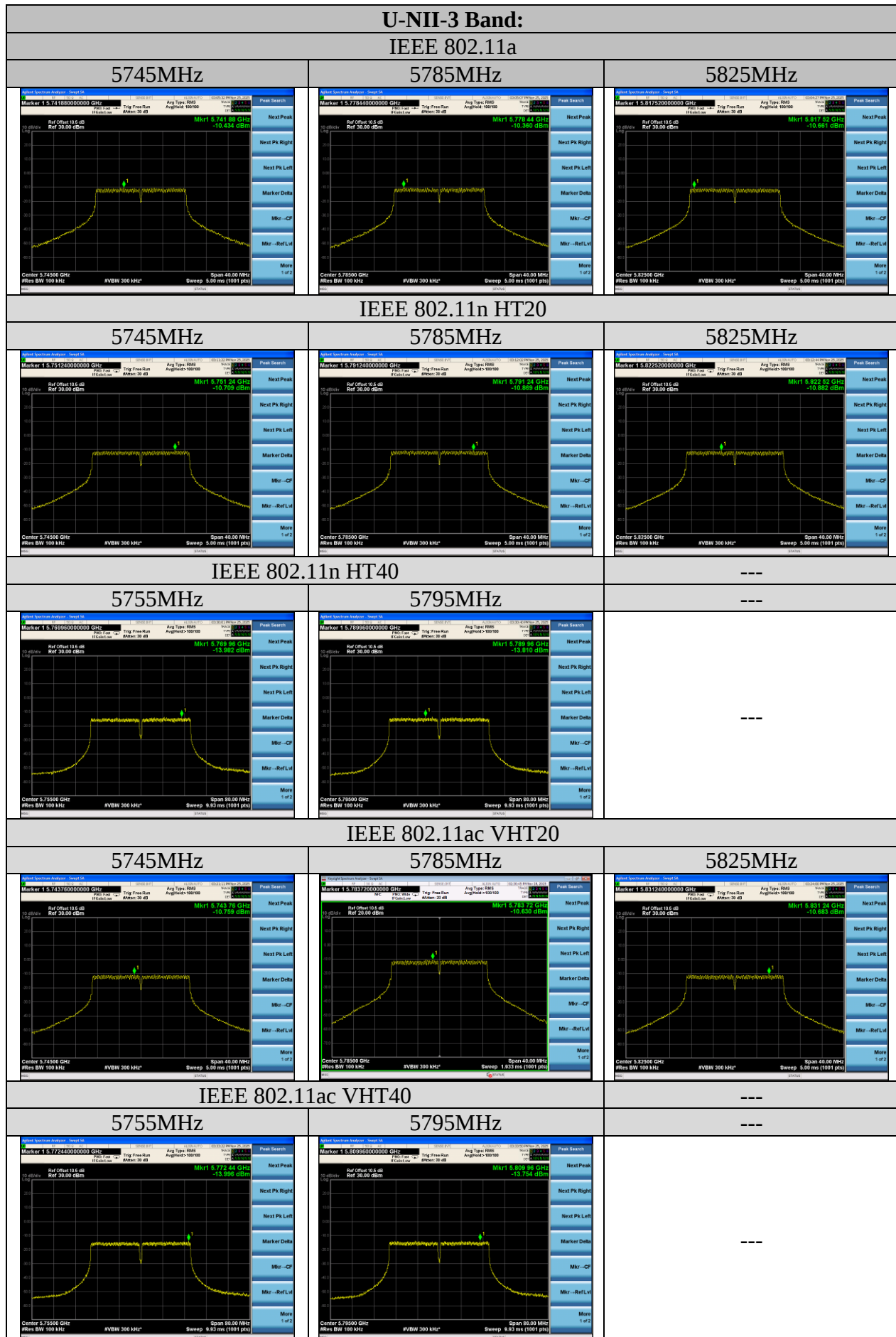
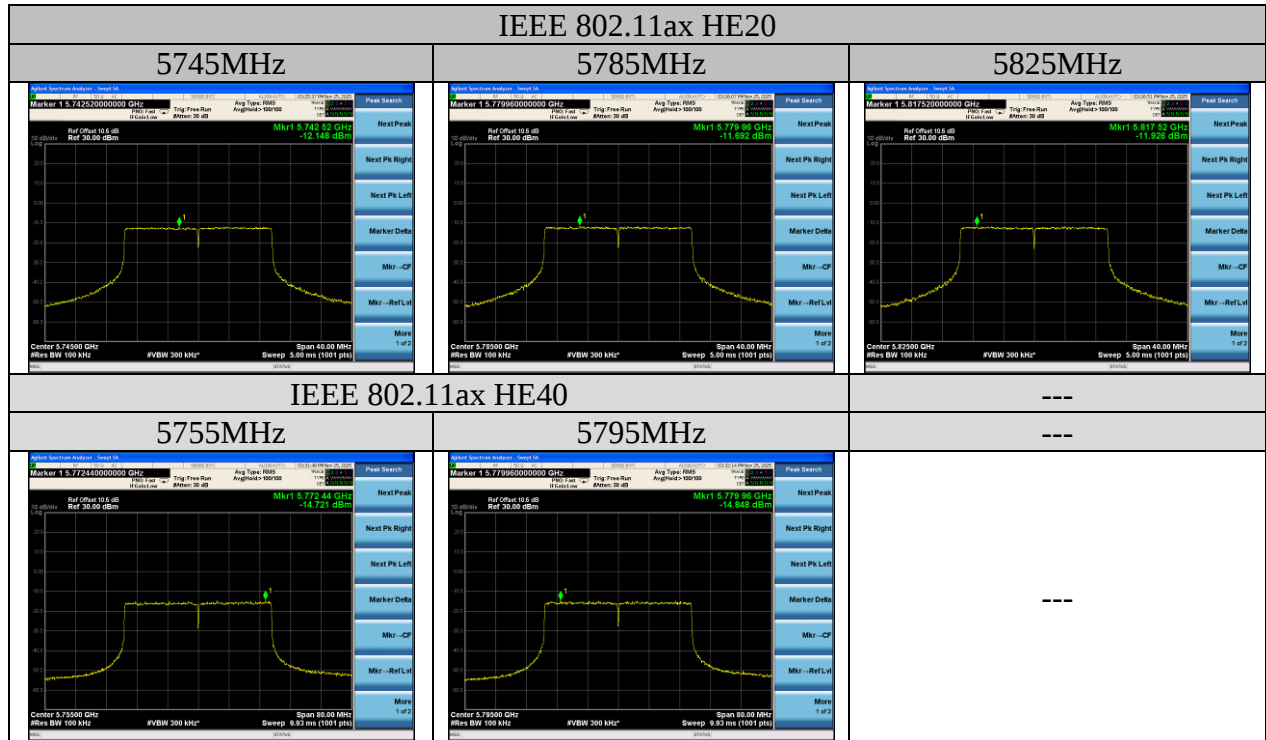










9. FREQUENCY STABILITY MEASUREMENT

9.1. 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 user's manual.

9.2. Test Procedure

Use the test method described in ANSI C63.10 clause 6.8:

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
EUT have transmitted absence of modulation 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 $(f_c - f)/f \times 10^{-6}$ ppm. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
2. Extreme temperature is 0°C~45°C.

9.3. Test Result

EUT: Car Camcorder		
M/N: P70		
Test date:2025-11-25~12-09	Pressure: 102.1±1.0 kpa	Humidity: 53.2±3.0%
Tested by: Lili	Test site: RF site	Temperature: 22.3±0.6℃

U-NII-1 Band:

Frequency Stability vs. Voltage:

Test Voltage	Temperature	CH	Reading (MHz)	Target Frequency (MHz)	Result (ppm)
DC 12V	25℃	CH36	5179.9605	5180	-7.63
		CH40	5199.9670	5200	-6.35
		CH48	5239.9655	5240	-6.58
		CH38	5189.9650	5190	-6.74
		CH46	5229.9635	5230	-6.98
DC 10.8V	25℃	CH36	5179.9609	5180	-7.55
		CH40	5199.9674	5200	-6.27
		CH48	5239.9650	5240	-6.68
		CH38	5189.9656	5190	-6.63
		CH46	5229.9634	5230	-7.00
DC 13.2V	25℃	CH36	5179.9600	5180	-7.72
		CH40	5199.9672	5200	-6.31
		CH48	5239.9651	5240	-6.66
		CH38	5189.9653	5190	-6.69
		CH46	5229.9630	5230	-7.07
DC 12V	10℃	CH36	5179.9657	5180	-6.62
		CH40	5199.9676	5200	-6.23
		CH48	5239.9657	5240	-6.55
		CH38	5189.9656	5190	-6.63
		CH46	5229.9630	5230	-7.07
DC 12V	20℃	CH36	5179.9610	5180	-7.53
		CH40	5199.9673	5200	-6.29
		CH48	5239.9659	5240	-6.51
		CH38	5189.9649	5190	-6.76
		CH46	5229.9633	5230	-7.02
DC 12V	30℃	CH36	5179.9612	5180	-7.49
		CH40	5199.9669	5200	-6.37
		CH48	5239.9659	5240	-6.51
		CH38	5189.9648	5190	-6.78
		CH46	5229.9634	5230	-7.00
DC 12V	40℃	CH36	5179.9600	5180	-7.72
		CH40	5199.9668	5200	-6.38
		CH48	5239.9654	5240	-6.60
		CH38	5189.9646	5190	-6.82
		CH46	5229.9632	5230	-7.04
DC 12V	50℃	CH36	5179.9600	5180	-7.72
		CH40	5199.9677	5200	-6.21
		CH48	5239.9656	5240	-6.56
		CH38	5189.9659	5190	-6.57
		CH46	5229.9643	5230	-6.83

U-NII-3 Band:
Frequency Stability vs. Voltage:

Test Voltage	Temperature	CH	Reading (MHz)	Target Frequency (MHz)	Result (ppm)
DC 12V	25°C	CH149	5744.9930	5745	-1.22
		CH157	5784.9925	5785	-1.30
		CH165	5824.9935	5825	-1.12
		CH151	5754.9900	5755	-1.74
		CH159	5794.9870	5795	-2.24
DC 10.8V	25°C	CH149	5744.9932	5745	-1.18
		CH157	5784.9924	5785	-1.31
		CH165	5824.9930	5825	-1.20
		CH151	5754.9906	5755	-1.63
		CH159	5794.9871	5795	-2.23
DC 13.2V	25°C	CH149	5744.9937	5745	-1.10
		CH157	5784.9921	5785	-1.37
		CH165	5824.9932	5825	-1.17
		CH151	5754.9904	5755	-1.67
		CH159	5794.9871	5795	-2.23
DC 12V	10°C	CH149	5744.9930	5745	-1.22
		CH157	5784.9921	5785	-1.37
		CH165	5824.9932	5825	-1.17
		CH151	5754.9901	5755	-1.72
		CH159	5794.9889	5795	-1.92
DC 12V	20°C	CH149	5744.9935	5745	-1.13
		CH157	5784.9927	5785	-1.26
		CH165	5824.9936	5825	-1.10
		CH151	5754.9901	5755	-1.72
		CH159	5794.9877	5795	-2.12
DC 12V	30°C	CH149	5744.9933	5745	-1.17
		CH157	5784.9925	5785	-1.30
		CH165	5824.9934	5825	-1.13
		CH151	5754.9912	5755	-1.53
		CH159	5794.9887	5795	-1.95
DC 12V	40°C	CH149	5744.9932	5745	-1.18
		CH157	5784.9926	5785	-1.28
		CH165	5824.9931	5825	-1.18
		CH151	5754.9900	5755	-1.74
		CH159	5794.9874	5795	-2.17
DC 12V	50°C	CH149	5744.9930	5745	-1.22
		CH157	5784.9924	5785	-1.31
		CH165	5824.9939	5825	-1.05
		CH151	5754.9910	5755	-1.56
		CH159	5794.9886	5795	-1.97

10. ANTENNA REQUIREMENT

10.1. Standard Applicable

For intentional device, according to FCC 47 CFR Section 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. And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

10.2. Antenna Connected Construction

The antennas used for this product are FPC Antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is **U-NII-1 Band: 6.23dBi; U-NII-3 Band: 7.85dBi.**

11. DEVIATION TO TEST SPECIFICATIONS

[NONE]