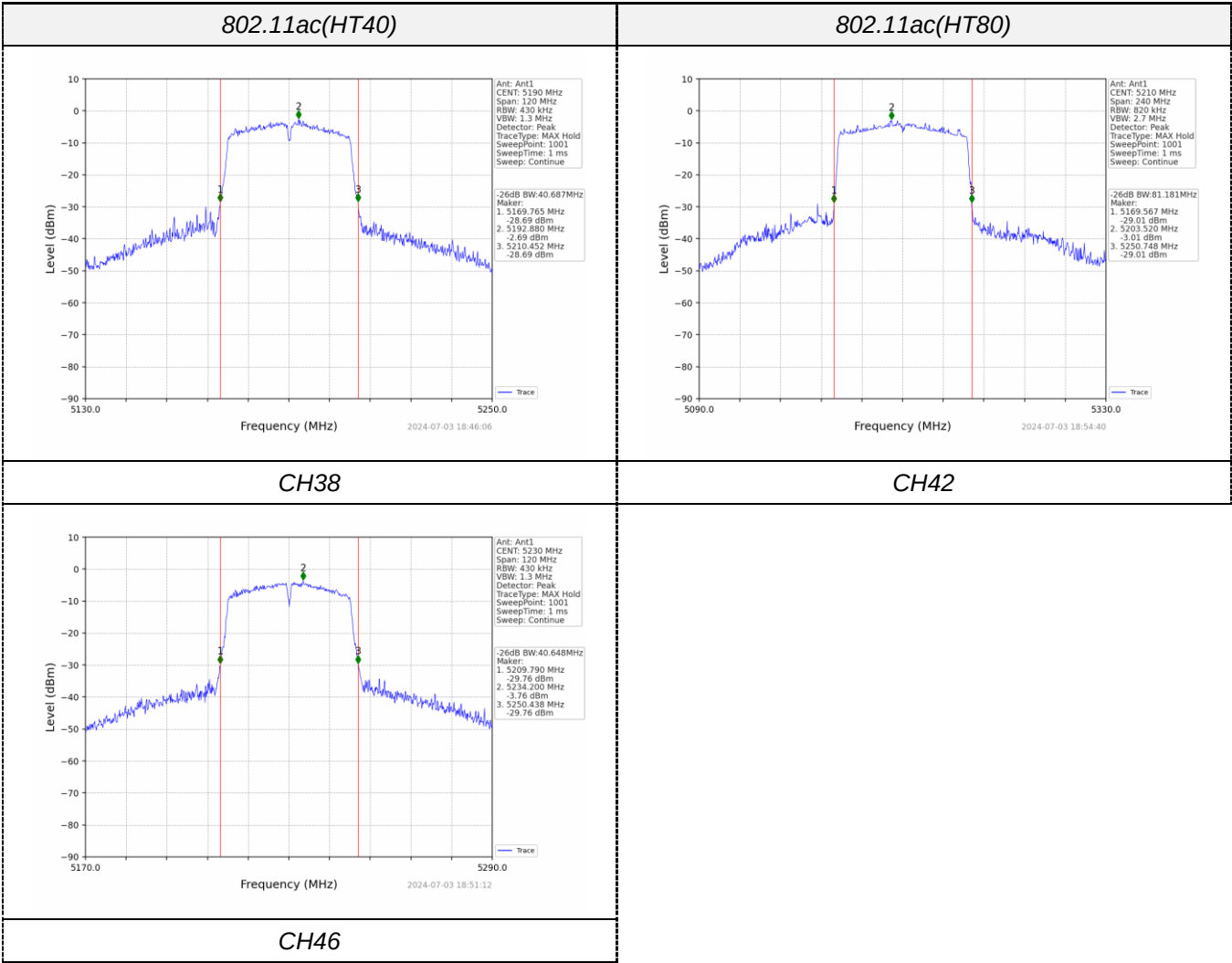
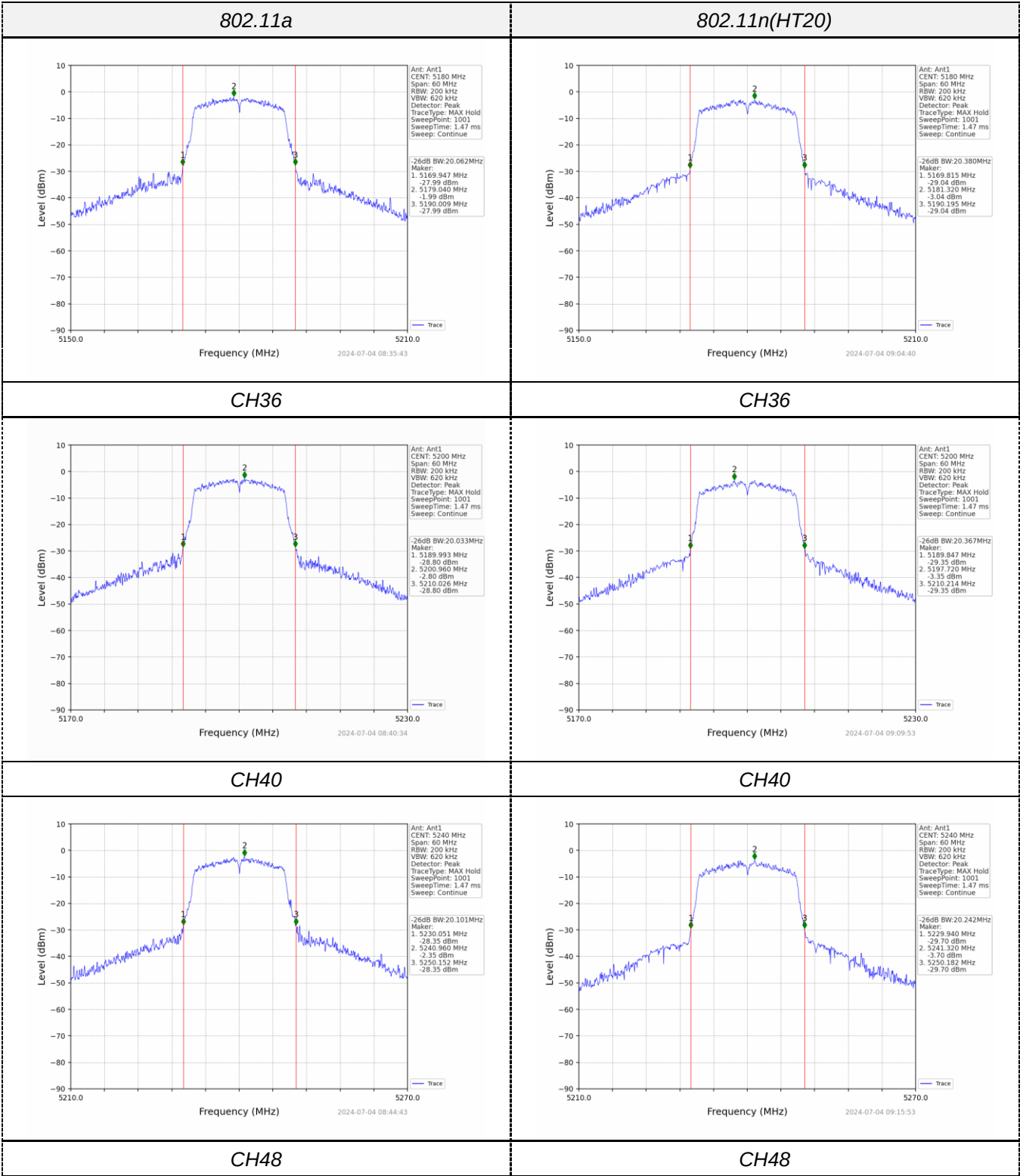
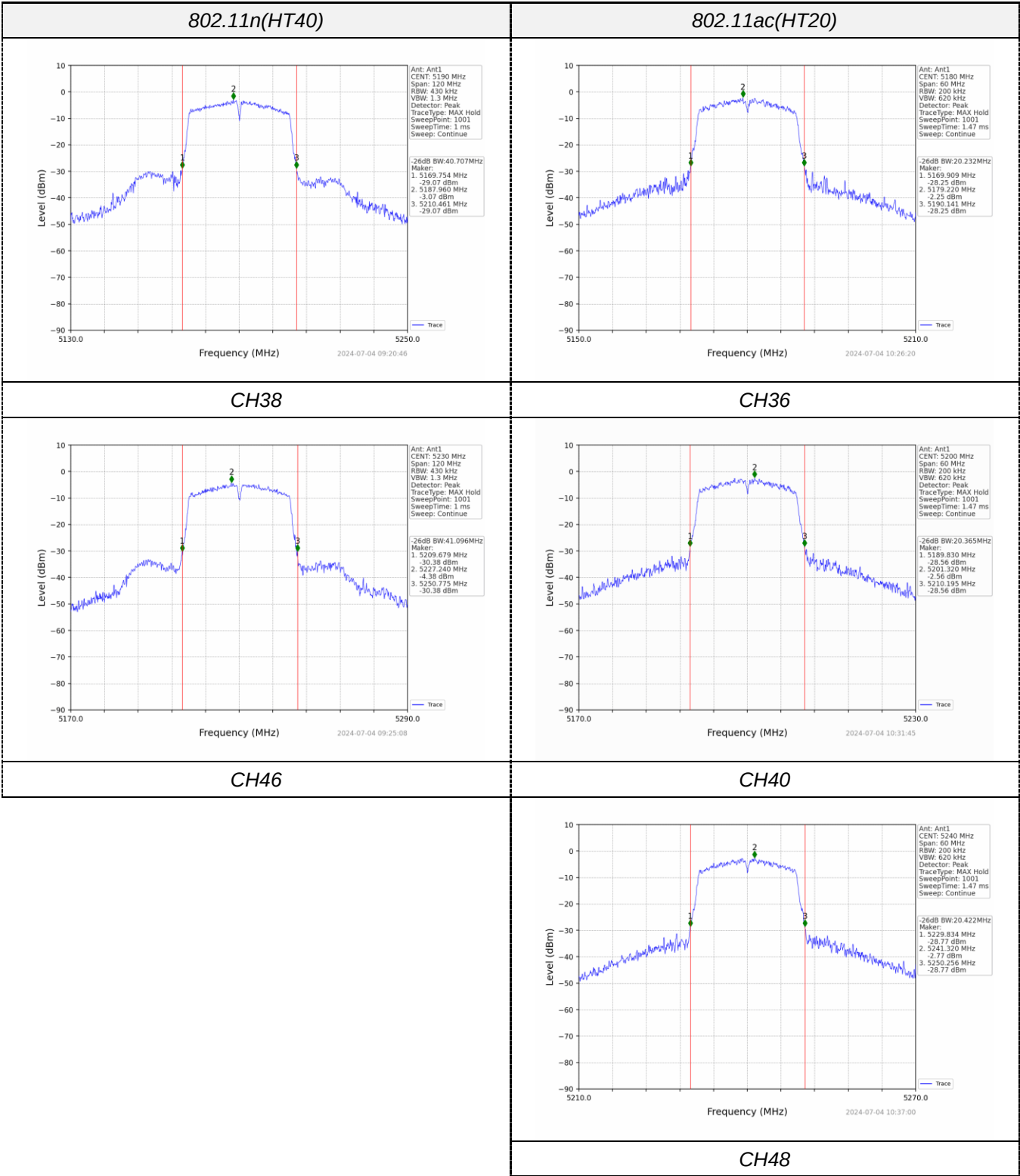
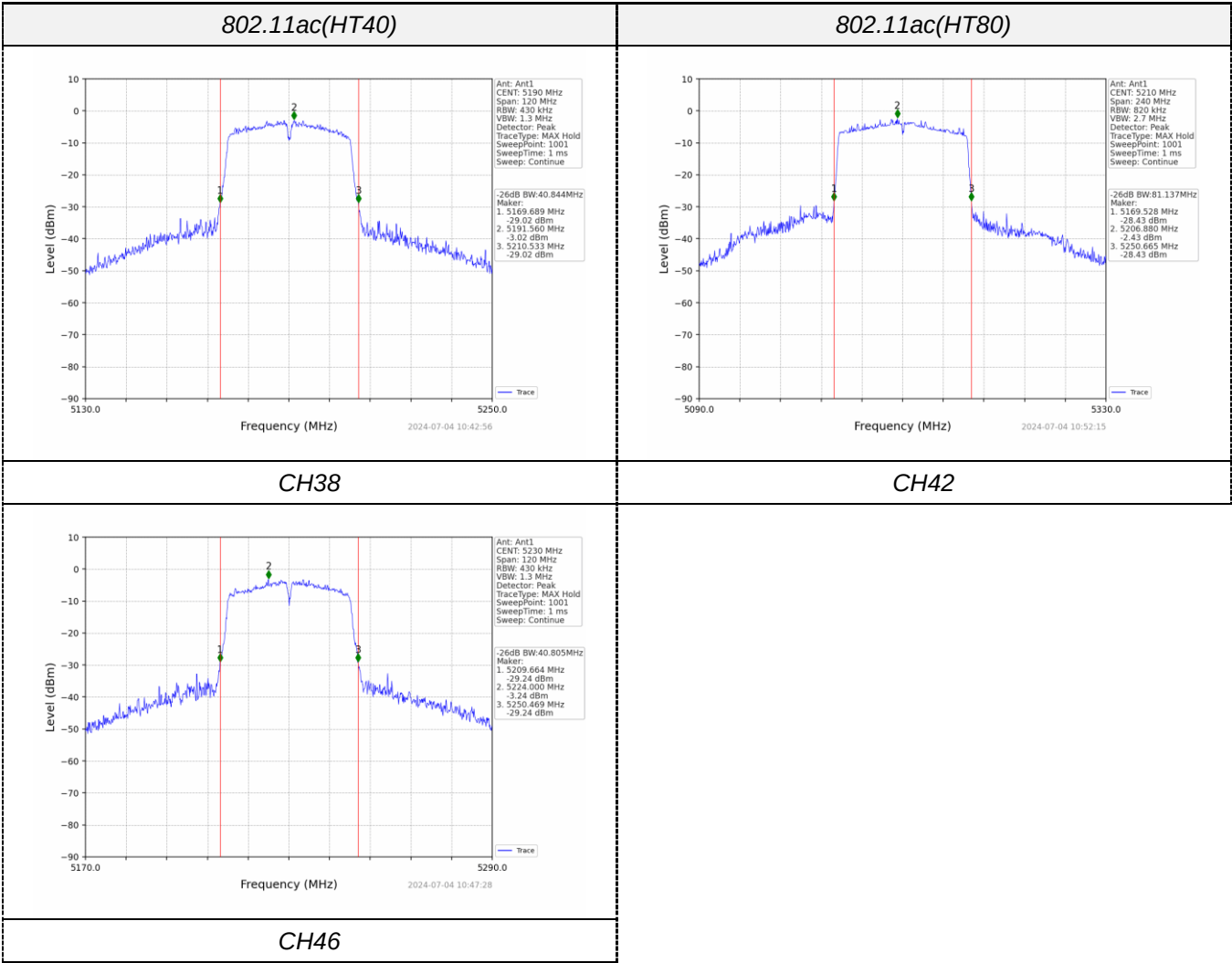




ANT 2







4.6 Minimum Emission Bandwidth (6dB Bandwidth)

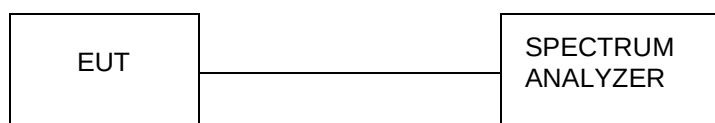
Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

Test Procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth 3 x RBW.
3. Detector = Peak.
4. Trace mode = Max hold.
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Configuration



Test Results

ANT 1

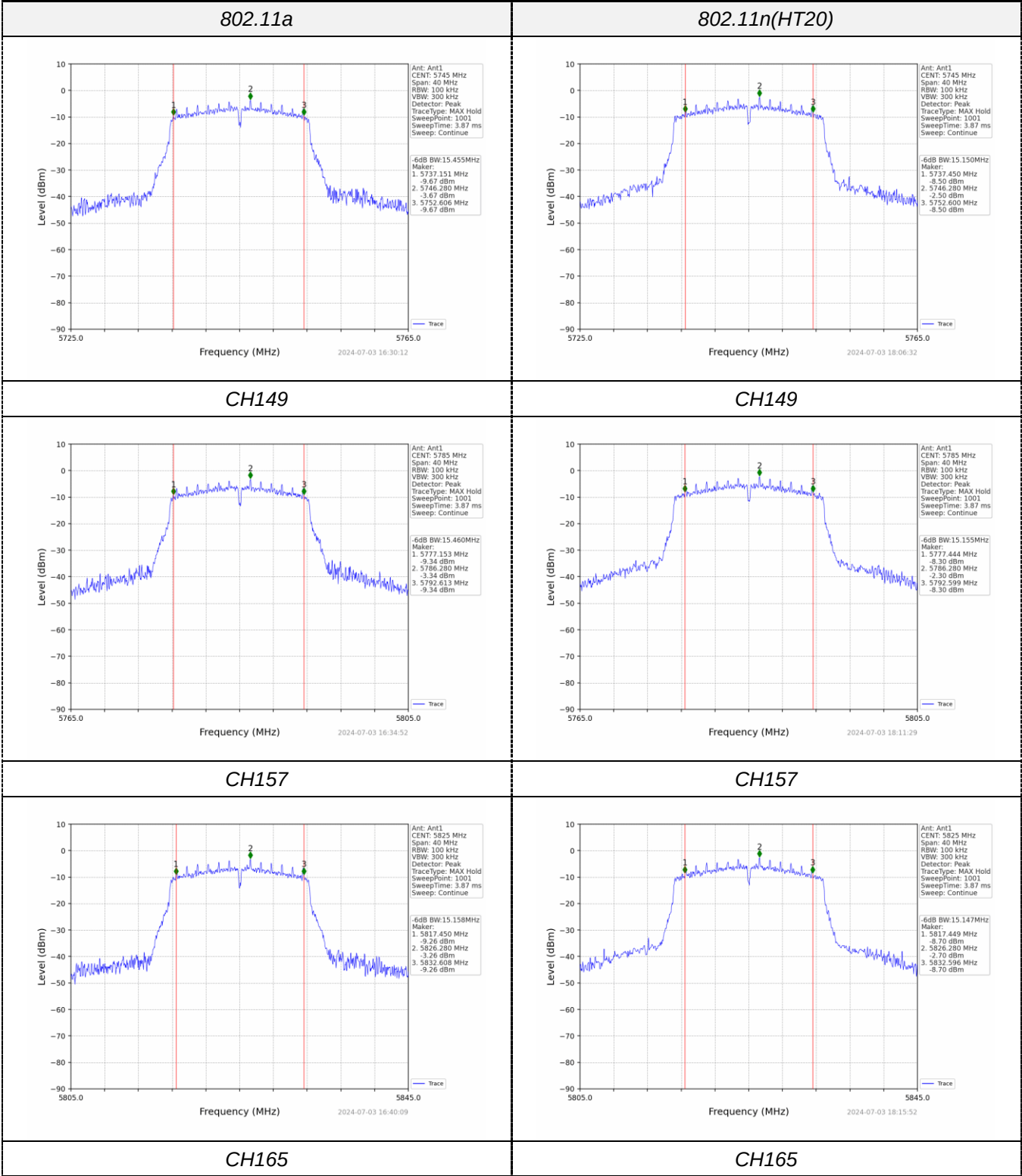
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	15.455	≥500KHz	Pass
		157	15.460		
		165	15.158		
802.11n(HT20)	U-NII 3	149	15.150		
		157	15.155		
		165	15.147		
802.11n(HT40)	U-NII 3	151	35.157		
		159	35.166		
802.11ac(HT20)	U-NII 3	149	15.151		
		157	15.150		
		165	15.142		
802.11ac(HT40)	U-NII 3	151	35.156		
		159	35.159		
802.11ac(HT80)	U-NII 3	155	75.156		

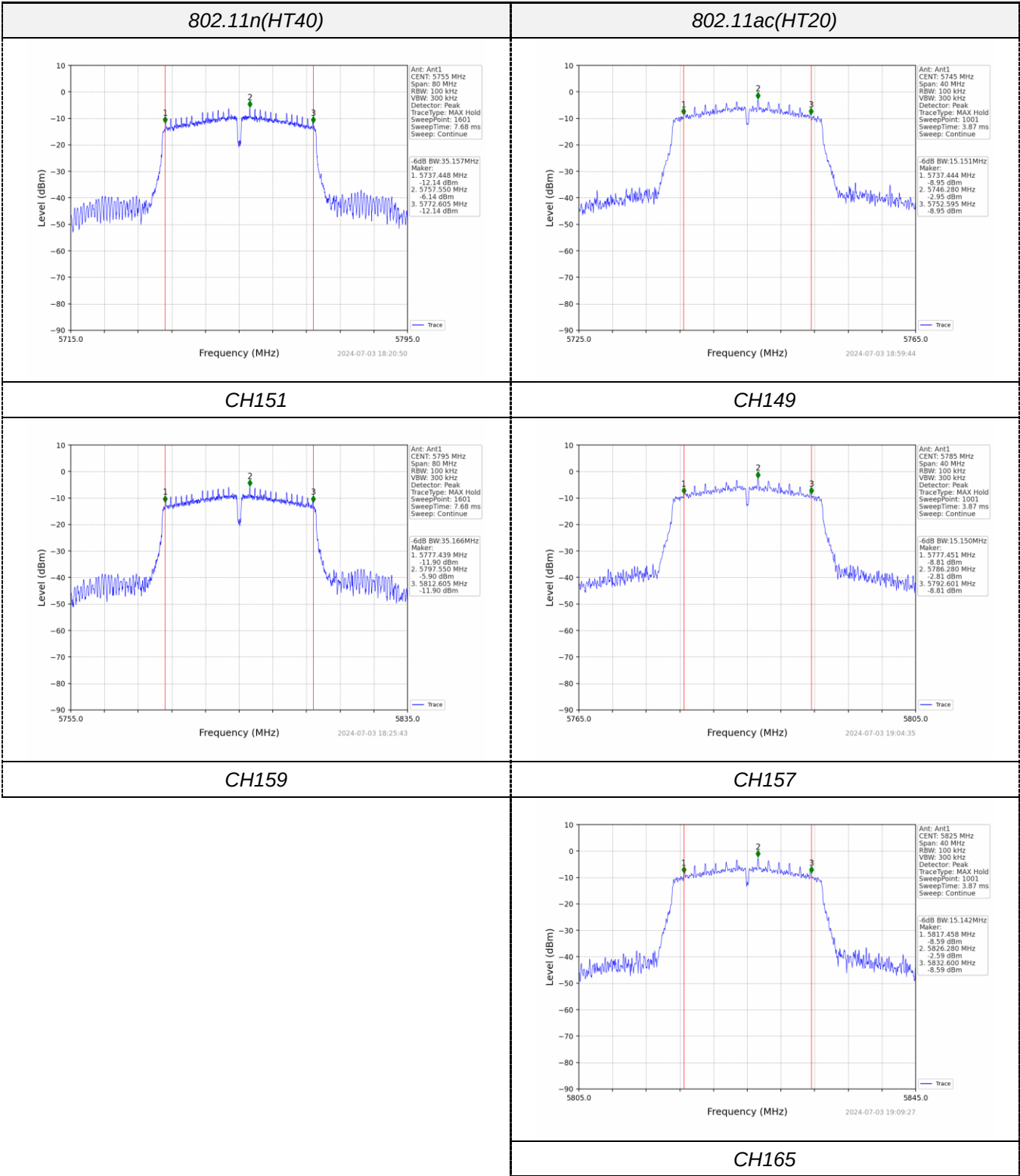
ANT 2

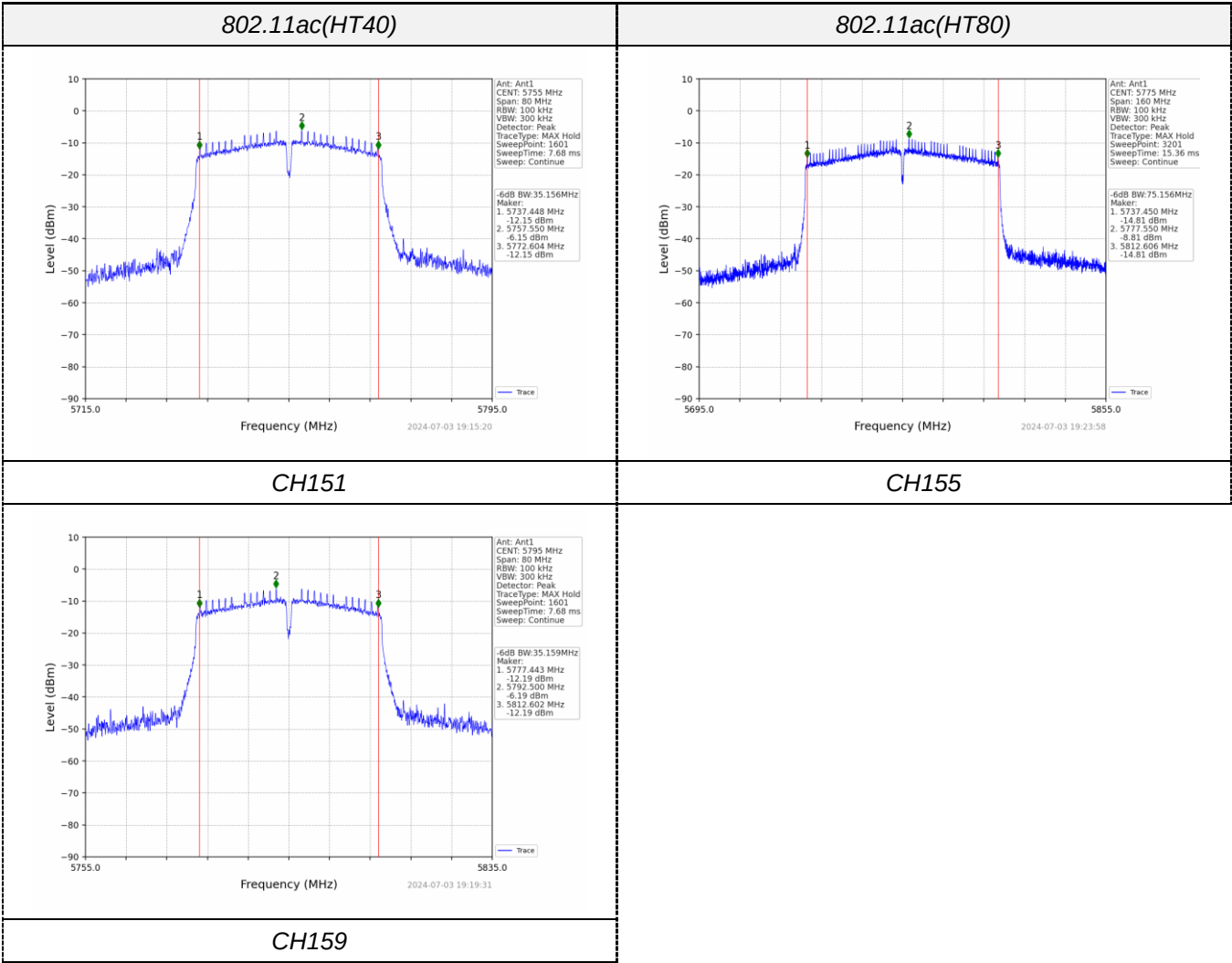
Type	Bands	Channel	6dB Bandwidth (MHz)	Limit (KHz)	Result
802.11a	U-NII 3	149	15.477	≥500KHz	Pass
		157	15.155		
		165	15.152		
802.11n(HT20)	U-NII 3	149	15.160		
		157	15.141		
		165	15.157		
802.11n(HT40)	U-NII 3	151	35.161		
		159	35.139		
802.11ac(HT20)	U-NII 3	149	15.152		
		157	15.161		
		165	15.152		
802.11ac(HT40)	U-NII 3	151	35.162		
		159	35.171		
802.11ac(HT80)	U-NII 3	155	75.163		

Test plot as follows:

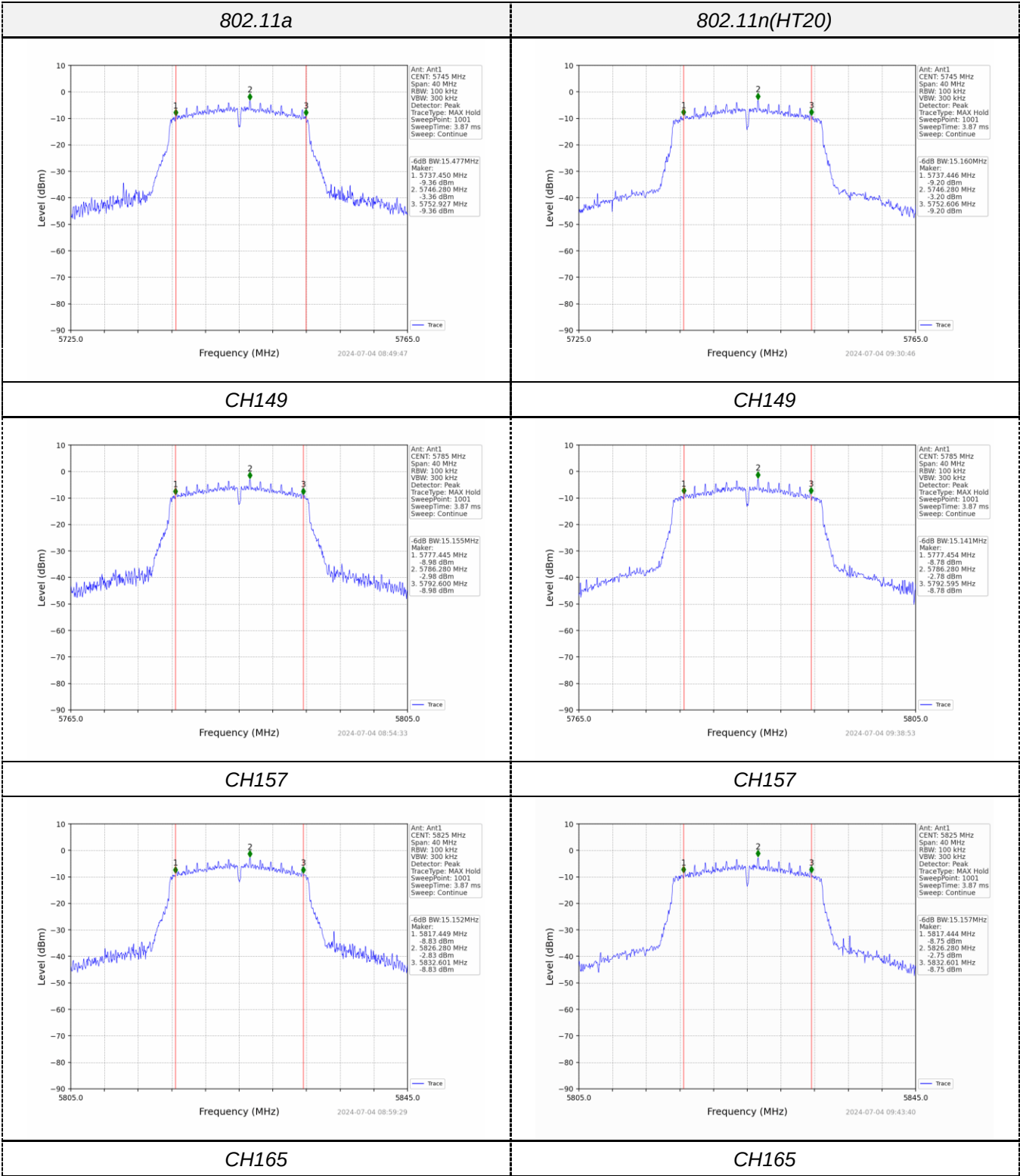
ANT 1

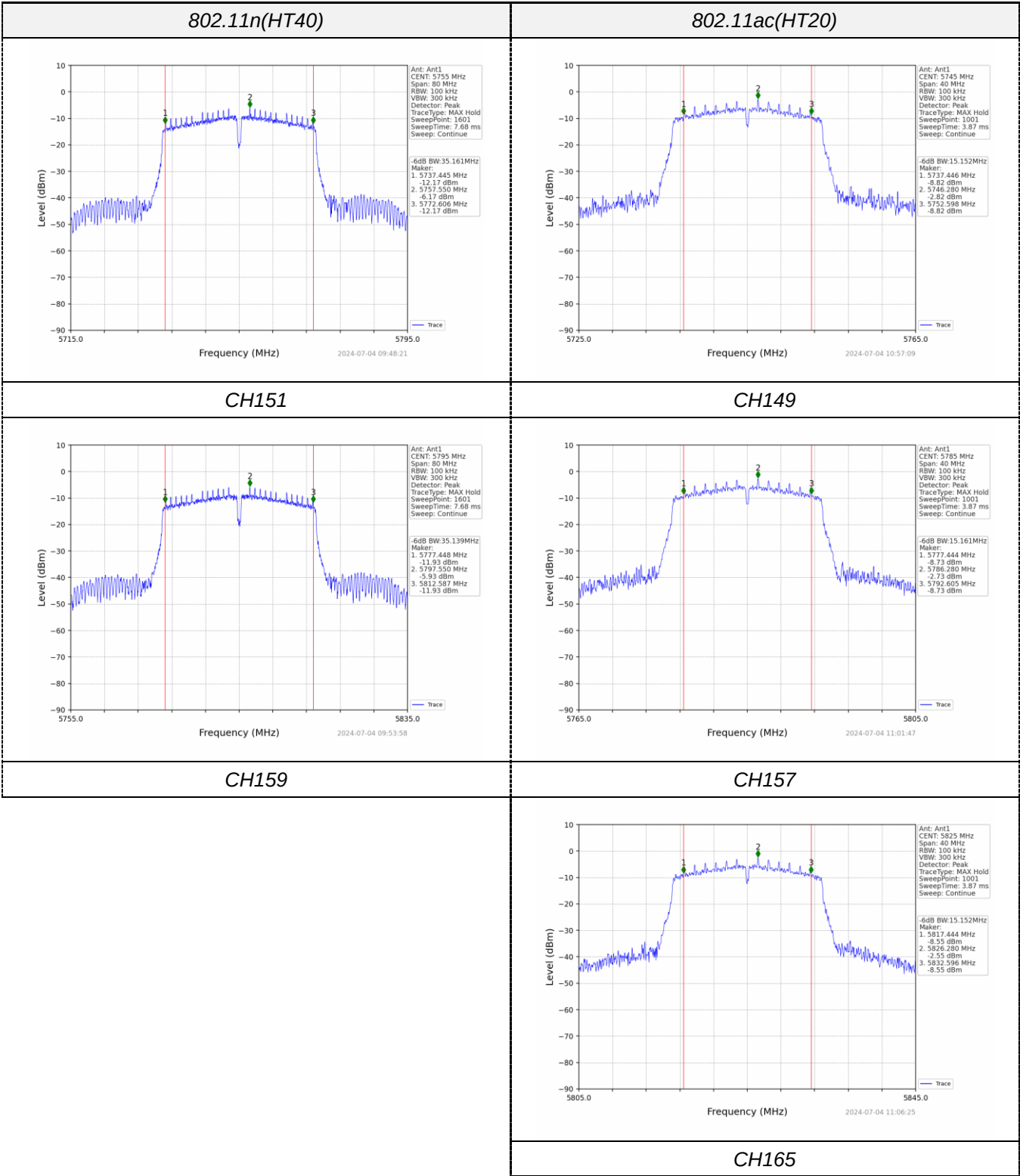


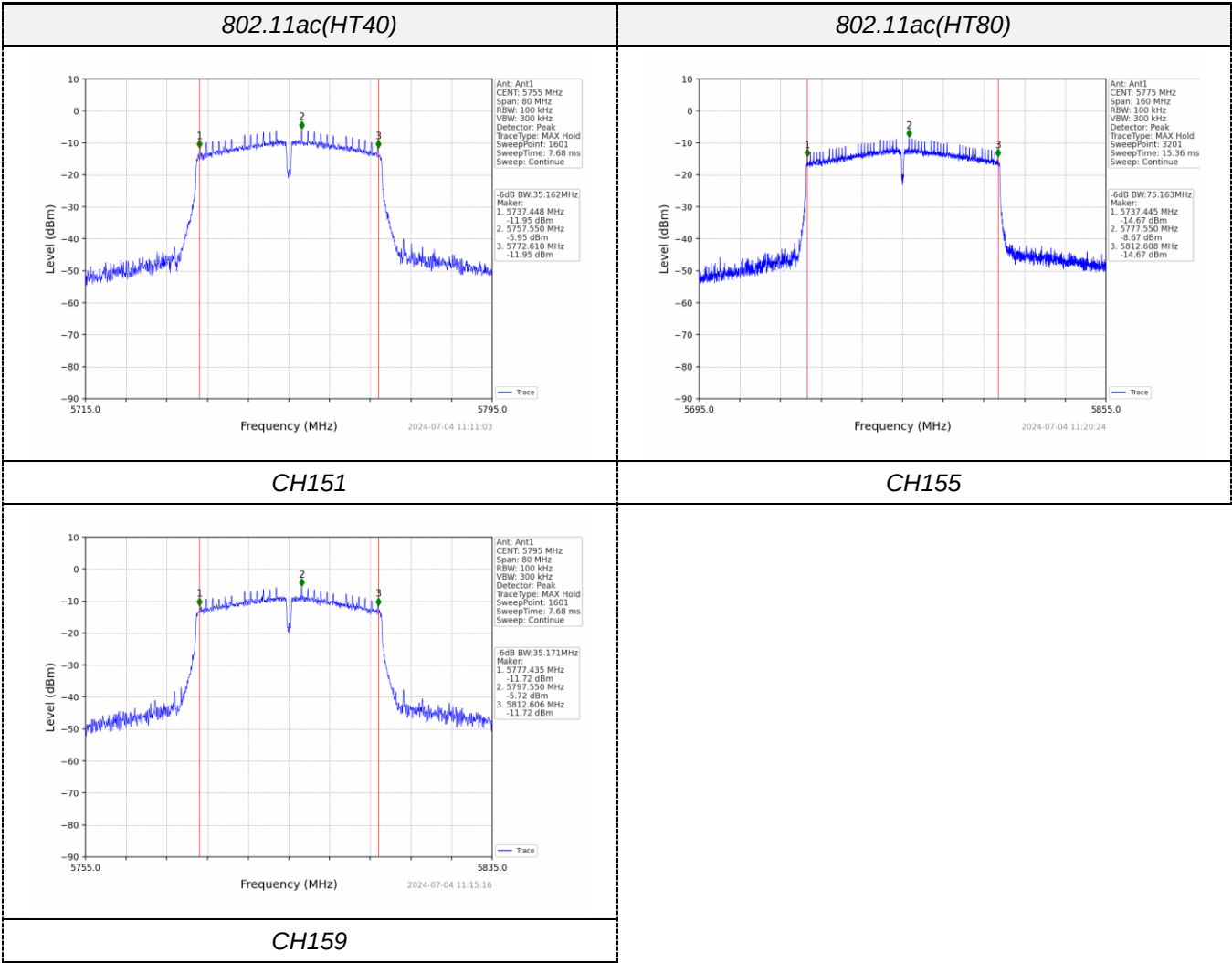




ANT 2





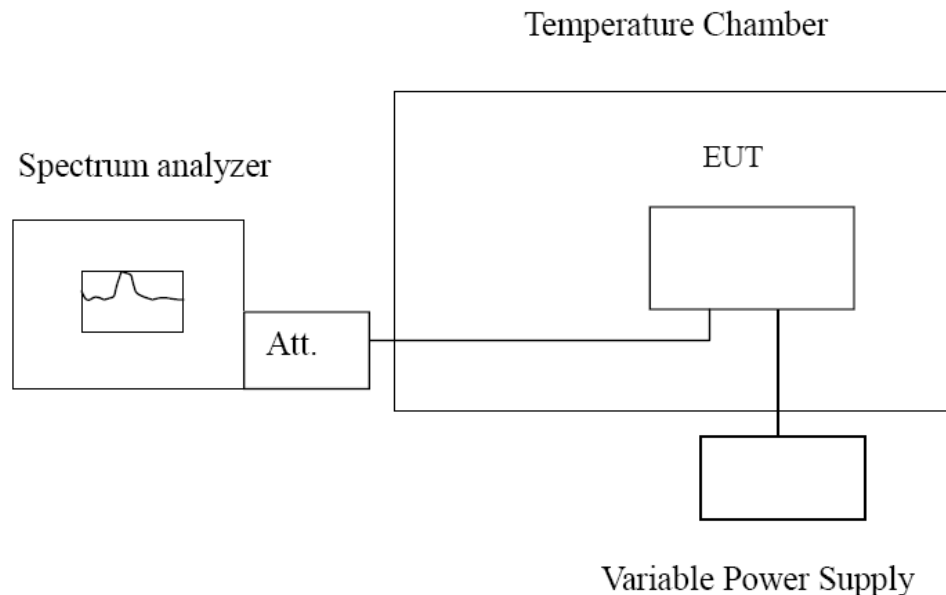


4.7 Frequency Stability

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 users manual.

TEST CONFIGURATION



TEST PROCEDURE

Frequency Stability under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

TEST RESULTS

Record worst case as below:

Ant1							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.040	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				138	5179.960	5150 to 5250	Pass
			-30	120	5180.080	5150 to 5250	Pass
			-20	120	5180.020	5150 to 5250	Pass
			-10	120	5179.960	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.040	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5200.040	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
				138	5200.080	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5199.960	5150 to 5250	Pass
			-10	120	5200.080	5150 to 5250	Pass
			0	120	5200.040	5150 to 5250	Pass
			10	120	5200.060	5150 to 5250	Pass
			30	120	5199.980	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5199.980	5150 to 5250	Pass
		5240	20	102	5240.080	5150 to 5250	Pass
				120	5240.100	5150 to 5250	Pass
				138	5240.080	5150 to 5250	Pass
			-30	120	5240.040	5150 to 5250	Pass
			-20	120	5240.040	5150 to 5250	Pass
			-10	120	5240.060	5150 to 5250	Pass
			0	120	5240.080	5150 to 5250	Pass
			10	120	5240.060	5150 to 5250	Pass
			30	120	5240.040	5150 to 5250	Pass
			40	120	5240.100	5150 to 5250	Pass
			50	120	5240.060	5150 to 5250	Pass
		5745	20	102	5745.000	5725 to 5850	Pass
				120	5745.040	5725 to 5850	Pass
				138	5745.080	5725 to 5850	Pass
			-30	120	5745.100	5725 to 5850	Pass
			-20	120	5745.120	5725 to 5850	Pass
			-10	120	5745.020	5725 to 5850	Pass
			0	120	5745.060	5725 to 5850	Pass
			10	120	5745.100	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.100	5725 to 5850	Pass
		5785	20	102	5785.060	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.000	5725 to 5850	Pass
			-30	120	5785.040	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.060	5725 to 5850	Pass
			0	120	5785.080	5725 to 5850	Pass
			10	120	5785.040	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.060	5725 to 5850	Pass
			50	120	5785.060	5725 to 5850	Pass
		5825	20	102	5825.140	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.060	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.060	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5825.120	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass

802.11n (HT20)	SISO		30	120	5825.080	5725 to 5850	Pass
			40	120	5825.100	5725 to 5850	Pass
			50	120	5825.080	5725 to 5850	Pass
		5180	20	102	5180.060	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5179.980	5150 to 5250	Pass
			-20	120	5180.040	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5180.000	5150 to 5250	Pass
			10	120	5180.020	5150 to 5250	Pass
			30	120	5179.980	5150 to 5250	Pass
			40	120	5180.100	5150 to 5250	Pass
			50	120	5180.020	5150 to 5250	Pass
		5200	20	102	5200.020	5150 to 5250	Pass
				120	5200.100	5150 to 5250	Pass
				138	5200.020	5150 to 5250	Pass
			-30	120	5200.060	5150 to 5250	Pass
			-20	120	5200.120	5150 to 5250	Pass
			-10	120	5200.100	5150 to 5250	Pass
			0	120	5200.100	5150 to 5250	Pass
			10	120	5200.040	5150 to 5250	Pass
			30	120	5200.040	5150 to 5250	Pass
			40	120	5200.060	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
		5240	20	102	5240.100	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.100	5150 to 5250	Pass
			-30	120	5240.120	5150 to 5250	Pass
			-20	120	5240.060	5150 to 5250	Pass
			-10	120	5240.100	5150 to 5250	Pass
			0	120	5240.120	5150 to 5250	Pass
			10	120	5240.080	5150 to 5250	Pass
			30	120	5240.000	5150 to 5250	Pass
			40	120	5240.080	5150 to 5250	Pass
			50	120	5240.060	5150 to 5250	Pass
		5745	20	102	5745.060	5725 to 5850	Pass
				120	5745.140	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5745.060	5725 to 5850	Pass
			-20	120	5745.080	5725 to 5850	Pass
			-10	120	5745.120	5725 to 5850	Pass
			0	120	5745.040	5725 to 5850	Pass
			10	120	5745.080	5725 to 5850	Pass
			30	120	5745.080	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
		5785	20	102	5785.100	5725 to 5850	Pass
				120	5785.060	5725 to 5850	Pass
				138	5785.060	5725 to 5850	Pass
			-30	120	5785.100	5725 to 5850	Pass
			-20	120	5785.040	5725 to 5850	Pass
			-10	120	5785.080	5725 to 5850	Pass
			0	120	5785.020	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5785.040	5725 to 5850	Pass
			40	120	5785.080	5725 to 5850	Pass
			50	120	5785.000	5725 to 5850	Pass
		5825	20	102	5825.040	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.080	5725 to 5850	Pass
			-30	120	5825.080	5725 to 5850	Pass
			-20	120	5825.100	5725 to 5850	Pass
			-10	120	5825.060	5725 to 5850	Pass
			0	120	5825.080	5725 to 5850	Pass
			10	120	5824.960	5725 to 5850	Pass
			30	120	5825.060	5725 to 5850	Pass

			40	120	5825.080	5725 to 5850	Pass
			50	120	5825.120	5725 to 5850	Pass
802.11n (HT40)	SISO	5190	20	102	5190.040	5150 to 5250	Pass
				120	5190.080	5150 to 5250	Pass
				138	5190.080	5150 to 5250	Pass
			-30	120	5190.080	5150 to 5250	Pass
			-20	120	5190.040	5150 to 5250	Pass
			-10	120	5190.080	5150 to 5250	Pass
			0	120	5190.080	5150 to 5250	Pass
			10	120	5190.080	5150 to 5250	Pass
			30	120	5190.080	5150 to 5250	Pass
			40	120	5190.080	5150 to 5250	Pass
			50	120	5190.080	5150 to 5250	Pass
		5230	20	102	5230.080	5150 to 5250	Pass
				120	5230.120	5150 to 5250	Pass
				138	5230.080	5150 to 5250	Pass
			-30	120	5230.080	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.120	5150 to 5250	Pass
			0	120	5230.120	5150 to 5250	Pass
			10	120	5230.080	5150 to 5250	Pass
			30	120	5230.080	5150 to 5250	Pass
			40	120	5230.080	5150 to 5250	Pass
			50	120	5230.080	5150 to 5250	Pass
		5755	20	102	5755.080	5725 to 5850	Pass
				120	5755.080	5725 to 5850	Pass
				138	5755.120	5725 to 5850	Pass
			-30	120	5755.200	5725 to 5850	Pass
			-20	120	5755.120	5725 to 5850	Pass
			-10	120	5755.080	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.120	5725 to 5850	Pass
			30	120	5755.120	5725 to 5850	Pass
			40	120	5755.080	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.120	5725 to 5850	Pass
				120	5795.080	5725 to 5850	Pass
				138	5795.080	5725 to 5850	Pass
			-30	120	5795.120	5725 to 5850	Pass
			-20	120	5795.080	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.160	5725 to 5850	Pass
			10	120	5795.080	5725 to 5850	Pass
			30	120	5795.120	5725 to 5850	Pass
			40	120	5795.080	5725 to 5850	Pass
			50	120	5795.080	5725 to 5850	Pass
802.11ac (VHT20)	SISO	5180	20	102	5179.960	5150 to 5250	Pass
				120	5180.040	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5179.920	5150 to 5250	Pass
			-20	120	5180.020	5150 to 5250	Pass
			-10	120	5180.100	5150 to 5250	Pass
			0	120	5180.020	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.040	5150 to 5250	Pass
			40	120	5180.020	5150 to 5250	Pass
			50	120	5180.060	5150 to 5250	Pass
		5200	20	102	5200.080	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
				138	5200.080	5150 to 5250	Pass
			-30	120	5200.020	5150 to 5250	Pass
			-20	120	5200.020	5150 to 5250	Pass
			-10	120	5200.000	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.100	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass
			40	120	5200.040	5150 to 5250	Pass

802.11ac (VHT40)	SISO	5240	50	120	5200.060	5150 to 5250	Pass
			20	102	5240.100	5150 to 5250	Pass
				120	5240.120	5150 to 5250	Pass
				138	5240.040	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
			-30	120	5240.100	5150 to 5250	Pass
			-20	120	5240.100	5150 to 5250	Pass
			-10	120	5240.040	5150 to 5250	Pass
			0	120	5240.060	5150 to 5250	Pass
			10	120	5240.080	5150 to 5250	Pass
			30	120	5240.060	5150 to 5250	Pass
		5745	40	120	5240.060	5150 to 5250	Pass
			50	120	5240.100	5150 to 5250	Pass
			20	102	5745.060	5725 to 5850	Pass
				120	5745.040	5725 to 5850	Pass
				138	5745.080	5725 to 5850	Pass
				120	5745.120	5725 to 5850	Pass
			-30	120	5745.060	5725 to 5850	Pass
			-20	120	5745.060	5725 to 5850	Pass
			-10	120	5745.080	5725 to 5850	Pass
			0	120	5745.120	5725 to 5850	Pass
			10	120	5745.120	5725 to 5850	Pass
		5785	30	120	5745.080	5725 to 5850	Pass
			40	120	5745.000	5725 to 5850	Pass
			50	120	5745.180	5725 to 5850	Pass
			20	102	5785.120	5725 to 5850	Pass
				120	5785.000	5725 to 5850	Pass
				138	5785.040	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
			-30	120	5785.020	5725 to 5850	Pass
			-20	120	5785.020	5725 to 5850	Pass
			-10	120	5785.060	5725 to 5850	Pass
			0	120	5785.060	5725 to 5850	Pass
			10	120	5785.060	5725 to 5850	Pass
		5825	30	120	5785.020	5725 to 5850	Pass
			40	120	5785.000	5725 to 5850	Pass
			50	120	5785.040	5725 to 5850	Pass
			20	102	5825.080	5725 to 5850	Pass
				120	5825.040	5725 to 5850	Pass
				138	5825.120	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.140	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5825.040	5725 to 5850	Pass
			10	120	5825.020	5725 to 5850	Pass
			30	120	5825.100	5725 to 5850	Pass
		5190	40	120	5825.060	5725 to 5850	Pass
			50	120	5825.000	5725 to 5850	Pass
			20	102	5190.000	5150 to 5250	Pass
				120	5190.080	5150 to 5250	Pass
				138	5190.080	5150 to 5250	Pass
				120	5190.080	5150 to 5250	Pass
			-30	120	5190.080	5150 to 5250	Pass
			-20	120	5190.080	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.080	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.040	5150 to 5250	Pass
		5230	40	120	5190.080	5150 to 5250	Pass
			50	120	5190.080	5150 to 5250	Pass
			20	102	5230.080	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
				138	5230.080	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
			-30	120	5230.080	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.080	5150 to 5250	Pass
			0	120	5230.160	5150 to 5250	Pass
			10	120	5230.120	5150 to 5250	Pass
			30	120	5230.040	5150 to 5250	Pass
			40	120	5230.120	5150 to 5250	Pass
			50	120	5230.080	5150 to 5250	Pass

		5755	20	102	5755.160	5725 to 5850	Pass
				120	5755.080	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
			-30	120	5755.120	5725 to 5850	Pass
			-20	120	5755.120	5725 to 5850	Pass
			-10	120	5755.080	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.080	5725 to 5850	Pass
			30	120	5755.080	5725 to 5850	Pass
			40	120	5755.080	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.040	5725 to 5850	Pass
				120	5795.120	5725 to 5850	Pass
				138	5795.080	5725 to 5850	Pass
			-30	120	5795.120	5725 to 5850	Pass
			-20	120	5795.080	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.160	5725 to 5850	Pass
			10	120	5795.080	5725 to 5850	Pass
			30	120	5795.120	5725 to 5850	Pass
			40	120	5795.080	5725 to 5850	Pass
			50	120	5795.120	5725 to 5850	Pass
802.11ac (VHT80)	SISO	5210	20	102	5210.150	5150 to 5250	Pass
				120	5210.075	5150 to 5250	Pass
				138	5210.150	5150 to 5250	Pass
			-30	120	5210.075	5150 to 5250	Pass
			-20	120	5210.075	5150 to 5250	Pass
			-10	120	5210.150	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.075	5150 to 5250	Pass
			30	120	5210.150	5150 to 5250	Pass
			40	120	5210.150	5150 to 5250	Pass
			50	120	5210.150	5150 to 5250	Pass
		5775	20	102	5775.150	5725 to 5850	Pass
				120	5775.150	5725 to 5850	Pass
				138	5775.150	5725 to 5850	Pass
			-30	120	5775.150	5725 to 5850	Pass
			-20	120	5775.150	5725 to 5850	Pass
			-10	120	5775.075	5725 to 5850	Pass
			0	120	5775.150	5725 to 5850	Pass
			10	120	5775.150	5725 to 5850	Pass
			30	120	5775.075	5725 to 5850	Pass
			40	120	5775.150	5725 to 5850	Pass
			50	120	5775.075	5725 to 5850	Pass

Ant2							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.040	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.020	5150 to 5250	Pass
			-20	120	5180.020	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5179.980	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.040	5150 to 5250	Pass
			50	120	5180.020	5150 to 5250	Pass
		5200	20	102	5200.060	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
				138	5200.040	5150 to 5250	Pass
			-30	120	5200.140	5150 to 5250	Pass
			-20	120	5200.080	5150 to 5250	Pass
			-10	120	5199.980	5150 to 5250	Pass
			0	120	5200.060	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass

			30	120	5200.040	5150 to 5250	Pass
			40	120	5200.080	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
		5240	20	102	5240.080	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.060	5150 to 5250	Pass
			-30	120	5240.100	5150 to 5250	Pass
			-20	120	5240.000	5150 to 5250	Pass
			-10	120	5240.080	5150 to 5250	Pass
			0	120	5240.140	5150 to 5250	Pass
			10	120	5240.020	5150 to 5250	Pass
			30	120	5240.060	5150 to 5250	Pass
			40	120	5240.080	5150 to 5250	Pass
			50	120	5240.120	5150 to 5250	Pass
		5745	20	102	5745.080	5725 to 5850	Pass
				120	5745.080	5725 to 5850	Pass
				138	5744.960	5725 to 5850	Pass
			-30	120	5745.080	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.140	5725 to 5850	Pass
			0	120	5745.040	5725 to 5850	Pass
			10	120	5745.040	5725 to 5850	Pass
			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.080	5725 to 5850	Pass
			50	120	5745.060	5725 to 5850	Pass
		5785	20	102	5784.980	5725 to 5850	Pass
				120	5785.080	5725 to 5850	Pass
				138	5785.020	5725 to 5850	Pass
			-30	120	5785.120	5725 to 5850	Pass
			-20	120	5785.040	5725 to 5850	Pass
			-10	120	5784.940	5725 to 5850	Pass
			0	120	5785.040	5725 to 5850	Pass
			10	120	5785.060	5725 to 5850	Pass
			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
			50	120	5785.100	5725 to 5850	Pass
		5825	20	102	5825.100	5725 to 5850	Pass
				120	5825.040	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5825.100	5725 to 5850	Pass
			-20	120	5825.100	5725 to 5850	Pass
			-10	120	5825.080	5725 to 5850	Pass
			0	120	5825.000	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5825.080	5725 to 5850	Pass
			40	120	5825.080	5725 to 5850	Pass
			50	120	5825.100	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	102	5180.000	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.040	5150 to 5250	Pass
			-20	120	5179.980	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5179.980	5150 to 5250	Pass
			40	120	5180.020	5150 to 5250	Pass
			50	120	5179.960	5150 to 5250	Pass
		5200	20	102	5200.000	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
				138	5200.080	5150 to 5250	Pass
			-30	120	5200.000	5150 to 5250	Pass
			-20	120	5200.060	5150 to 5250	Pass
			-10	120	5200.000	5150 to 5250	Pass
			0	120	5200.020	5150 to 5250	Pass
			10	120	5200.060	5150 to 5250	Pass
			30	120	5200.060	5150 to 5250	Pass

			40	120	5200.020	5150 to 5250	Pass
			50	120	5200.020	5150 to 5250	Pass
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5240.040	5150 to 5250	Pass
				138	5240.060	5150 to 5250	Pass
			-30	120	5240.080	5150 to 5250	Pass
			-20	120	5240.040	5150 to 5250	Pass
			-10	120	5240.040	5150 to 5250	Pass
			0	120	5240.120	5150 to 5250	Pass
			10	120	5240.080	5150 to 5250	Pass
			30	120	5240.100	5150 to 5250	Pass
			40	120	5240.100	5150 to 5250	Pass
			50	120	5240.100	5150 to 5250	Pass
		5745	20	102	5745.040	5725 to 5850	Pass
				120	5745.100	5725 to 5850	Pass
				138	5745.040	5725 to 5850	Pass
			-30	120	5745.020	5725 to 5850	Pass
			-20	120	5745.040	5725 to 5850	Pass
			-10	120	5744.980	5725 to 5850	Pass
			0	120	5745.000	5725 to 5850	Pass
			10	120	5745.040	5725 to 5850	Pass
			30	120	5745.040	5725 to 5850	Pass
			40	120	5745.020	5725 to 5850	Pass
			50	120	5745.040	5725 to 5850	Pass
		5785	20	102	5785.060	5725 to 5850	Pass
				120	5785.080	5725 to 5850	Pass
				138	5785.040	5725 to 5850	Pass
			-30	120	5785.060	5725 to 5850	Pass
			-20	120	5785.060	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5785.120	5725 to 5850	Pass
			10	120	5785.120	5725 to 5850	Pass
			30	120	5785.040	5725 to 5850	Pass
			40	120	5785.020	5725 to 5850	Pass
			50	120	5785.060	5725 to 5850	Pass
		5825	20	102	5825.120	5725 to 5850	Pass
				120	5825.040	5725 to 5850	Pass
				138	5825.080	5725 to 5850	Pass
			-30	120	5825.040	5725 to 5850	Pass
			-20	120	5825.080	5725 to 5850	Pass
			-10	120	5825.080	5725 to 5850	Pass
			0	120	5825.040	5725 to 5850	Pass
			10	120	5825.040	5725 to 5850	Pass
			30	120	5825.080	5725 to 5850	Pass
			40	120	5825.060	5725 to 5850	Pass
			50	120	5825.060	5725 to 5850	Pass
802.11n (HT40)	SISO	5190	20	102	5190.080	5150 to 5250	Pass
				120	5190.000	5150 to 5250	Pass
				138	5190.000	5150 to 5250	Pass
			-30	120	5190.040	5150 to 5250	Pass
			-20	120	5190.080	5150 to 5250	Pass
			-10	120	5190.080	5150 to 5250	Pass
			0	120	5190.080	5150 to 5250	Pass
			10	120	5190.080	5150 to 5250	Pass
			30	120	5190.040	5150 to 5250	Pass
			40	120	5190.080	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.120	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
				138	5230.080	5150 to 5250	Pass
			-30	120	5230.080	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.080	5150 to 5250	Pass
			0	120	5230.040	5150 to 5250	Pass
			10	120	5230.120	5150 to 5250	Pass
			30	120	5230.080	5150 to 5250	Pass
			40	120	5230.080	5150 to 5250	Pass

802.11ac (VHT20)	SISO		50	120	5230.120	5150 to 5250	Pass
		5755	20	102	5755.040	5725 to 5850	Pass
				120	5755.080	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
				-30	120	5755.080	5725 to 5850
			-20	120	5755.120	5725 to 5850	Pass
			-10	120	5755.120	5725 to 5850	Pass
			0	120	5755.120	5725 to 5850	Pass
			10	120	5755.160	5725 to 5850	Pass
			30	120	5755.080	5725 to 5850	Pass
			40	120	5755.120	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.120	5725 to 5850	Pass
				120	5795.040	5725 to 5850	Pass
				138	5795.080	5725 to 5850	Pass
				-30	120	5795.080	5725 to 5850
			-20	120	5795.080	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.080	5725 to 5850	Pass
			10	120	5795.120	5725 to 5850	Pass
			30	120	5795.080	5725 to 5850	Pass
			40	120	5795.080	5725 to 5850	Pass
			50	120	5795.120	5725 to 5850	Pass
		5180	20	102	5179.980	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
				-30	120	5180.020	5150 to 5250
-20	120		5180.020	5150 to 5250	Pass		
-10	120		5180.020	5150 to 5250	Pass		
0	120		5179.980	5150 to 5250	Pass		
10	120		5180.000	5150 to 5250	Pass		
30	120		5179.960	5150 to 5250	Pass		
40	120		5180.040	5150 to 5250	Pass		
50	120		5180.000	5150 to 5250	Pass		
5200	20	102	5200.040	5150 to 5250	Pass		
		120	5199.980	5150 to 5250	Pass		
		138	5200.040	5150 to 5250	Pass		
		-30	120	5200.040	5150 to 5250	Pass	
	-20	120	5200.060	5150 to 5250	Pass		
	-10	120	5200.020	5150 to 5250	Pass		
	0	120	5200.080	5150 to 5250	Pass		
	10	120	5200.060	5150 to 5250	Pass		
	30	120	5200.080	5150 to 5250	Pass		
	40	120	5200.020	5150 to 5250	Pass		
	50	120	5200.080	5150 to 5250	Pass		
5240	20	102	5240.060	5150 to 5250	Pass		
		120	5240.100	5150 to 5250	Pass		
		138	5240.040	5150 to 5250	Pass		
		-30	120	5240.100	5150 to 5250	Pass	
	-20	120	5240.060	5150 to 5250	Pass		
	-10	120	5240.120	5150 to 5250	Pass		
	0	120	5240.020	5150 to 5250	Pass		
	10	120	5240.060	5150 to 5250	Pass		
	30	120	5240.040	5150 to 5250	Pass		
	40	120	5240.060	5150 to 5250	Pass		
	50	120	5240.040	5150 to 5250	Pass		
5745	20	102	5745.060	5725 to 5850	Pass		
		120	5745.060	5725 to 5850	Pass		
		138	5744.980	5725 to 5850	Pass		
		-30	120	5745.060	5725 to 5850	Pass	
	-20	120	5745.140	5725 to 5850	Pass		
	-10	120	5745.060	5725 to 5850	Pass		
	0	120	5745.060	5725 to 5850	Pass		
	10	120	5745.080	5725 to 5850	Pass		
	30	120	5745.060	5725 to 5850	Pass		
	40	120	5745.100	5725 to 5850	Pass		
	50	120	5744.980	5725 to 5850	Pass		

		5785	20	102	5784.980	5725 to 5850	Pass
				120	5785.080	5725 to 5850	Pass
				138	5785.040	5725 to 5850	Pass
			-30	120	5785.060	5725 to 5850	Pass
			-20	120	5785.120	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5785.100	5725 to 5850	Pass
			10	120	5785.080	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass
			40	120	5785.040	5725 to 5850	Pass
			50	120	5785.040	5725 to 5850	Pass
		5825	20	102	5825.060	5725 to 5850	Pass
				120	5825.060	5725 to 5850	Pass
				138	5825.060	5725 to 5850	Pass
			-30	120	5825.060	5725 to 5850	Pass
			-20	120	5825.060	5725 to 5850	Pass
			-10	120	5825.060	5725 to 5850	Pass
			0	120	5825.060	5725 to 5850	Pass
			10	120	5825.100	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5825.080	5725 to 5850	Pass
			50	120	5824.980	5725 to 5850	Pass
802.11ac (VHT40)	SISO	5190	20	102	5190.040	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5190.080	5150 to 5250	Pass
			-30	120	5190.000	5150 to 5250	Pass
			-20	120	5190.080	5150 to 5250	Pass
			-10	120	5190.000	5150 to 5250	Pass
			0	120	5190.080	5150 to 5250	Pass
			10	120	5190.040	5150 to 5250	Pass
			30	120	5190.040	5150 to 5250	Pass
			40	120	5190.080	5150 to 5250	Pass
			50	120	5190.040	5150 to 5250	Pass
		5230	20	102	5230.080	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
				138	5230.120	5150 to 5250	Pass
			-30	120	5230.080	5150 to 5250	Pass
			-20	120	5230.080	5150 to 5250	Pass
			-10	120	5230.080	5150 to 5250	Pass
			0	120	5230.080	5150 to 5250	Pass
			10	120	5230.080	5150 to 5250	Pass
			30	120	5230.040	5150 to 5250	Pass
			40	120	5230.120	5150 to 5250	Pass
			50	120	5230.120	5150 to 5250	Pass
		5755	20	102	5755.120	5725 to 5850	Pass
				120	5755.080	5725 to 5850	Pass
				138	5755.120	5725 to 5850	Pass
			-30	120	5755.120	5725 to 5850	Pass
			-20	120	5755.080	5725 to 5850	Pass
			-10	120	5755.120	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.120	5725 to 5850	Pass
			30	120	5755.120	5725 to 5850	Pass
			40	120	5755.120	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.080	5725 to 5850	Pass
				120	5795.080	5725 to 5850	Pass
				138	5795.080	5725 to 5850	Pass
			-30	120	5795.120	5725 to 5850	Pass
			-20	120	5795.080	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.120	5725 to 5850	Pass
			10	120	5795.120	5725 to 5850	Pass
			30	120	5795.120	5725 to 5850	Pass
			40	120	5795.080	5725 to 5850	Pass
			50	120	5795.080	5725 to 5850	Pass
802.11ac	SISO	5210	20	102	5210.150	5150 to 5250	Pass

(VHT80)				120	5210.150	5150 to 5250	Pass
				138	5210.075	5150 to 5250	Pass
			-30	120	5210.075	5150 to 5250	Pass
			-20	120	5210.150	5150 to 5250	Pass
			-10	120	5210.150	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.150	5150 to 5250	Pass
			30	120	5210.150	5150 to 5250	Pass
			40	120	5210.150	5150 to 5250	Pass
			50	120	5210.150	5150 to 5250	Pass
		5775	20	102	5775.150	5725 to 5850	Pass
				120	5775.075	5725 to 5850	Pass
				138	5775.150	5725 to 5850	Pass
			-30	120	5775.150	5725 to 5850	Pass
			-20	120	5775.075	5725 to 5850	Pass
			-10	120	5775.000	5725 to 5850	Pass
			0	120	5775.150	5725 to 5850	Pass
			10	120	5775.150	5725 to 5850	Pass
			30	120	5775.150	5725 to 5850	Pass
			40	120	5775.150	5725 to 5850	Pass
			50	120	5775.150	5725 to 5850	Pass

5 Test Setup Photos of the EUT

Reference to the **appendix I** for details.

6 Photos of the EUT

Reference to the **appendix II** for details.

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