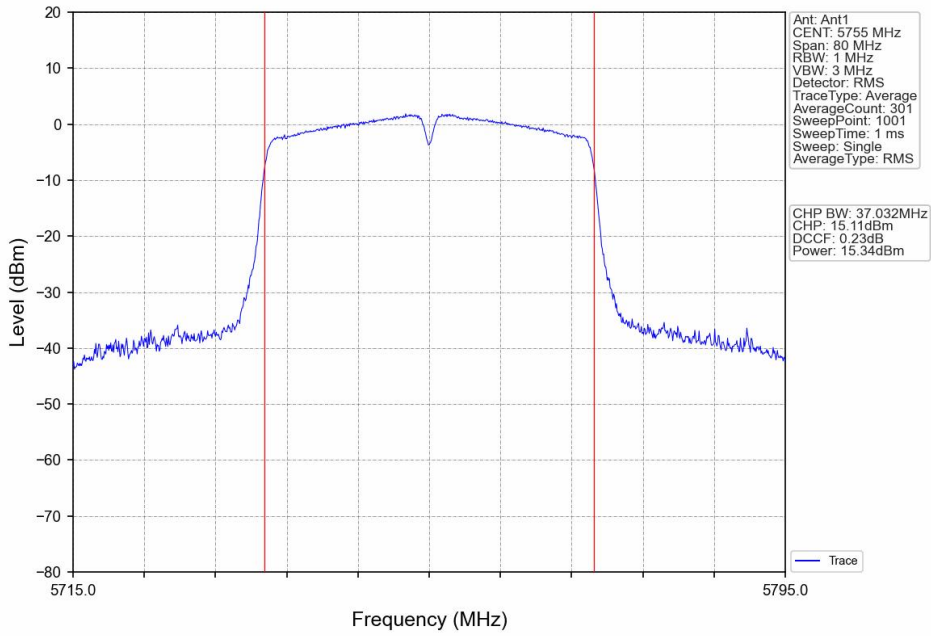
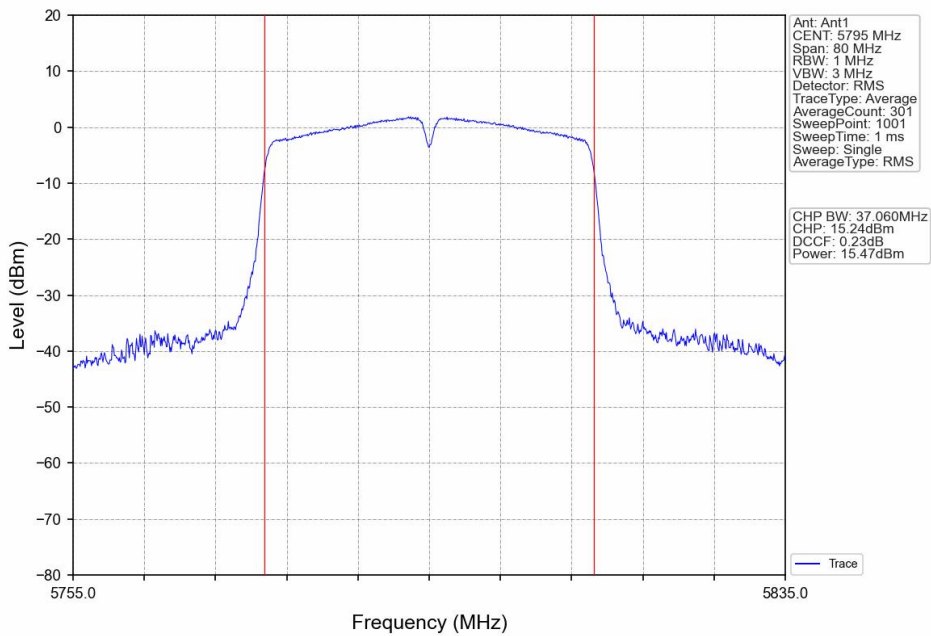
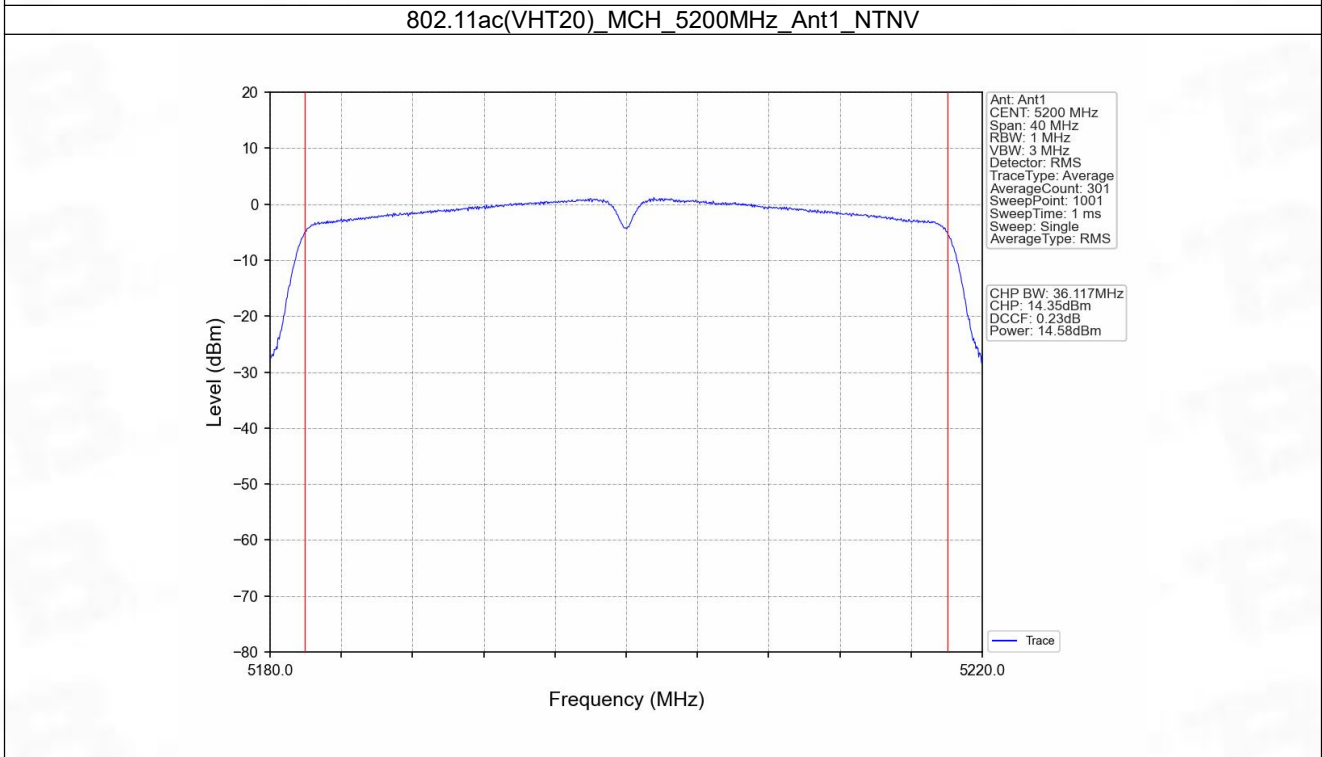
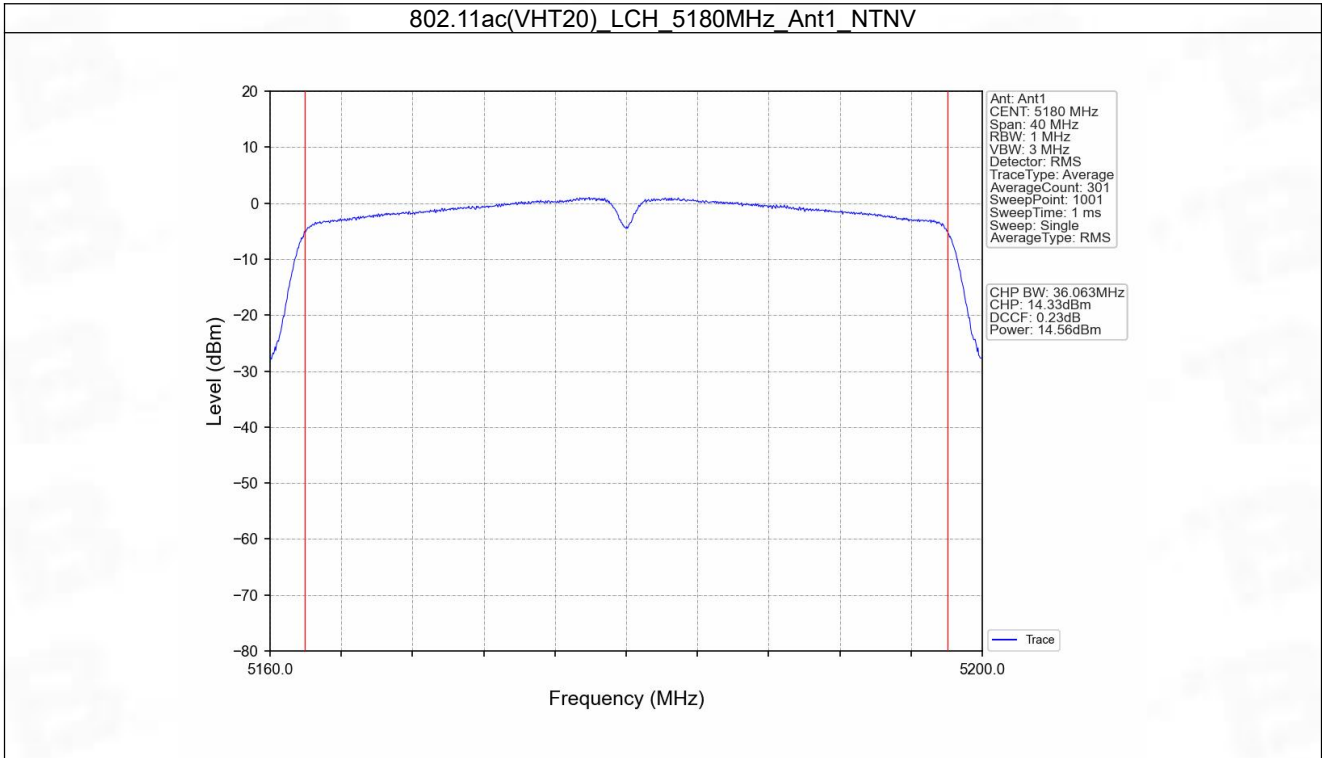


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

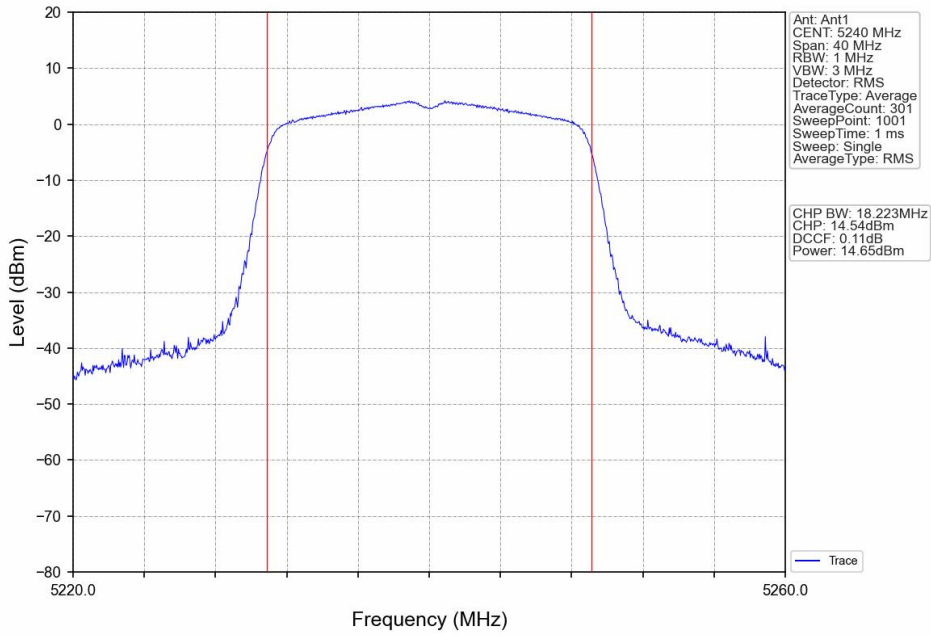


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

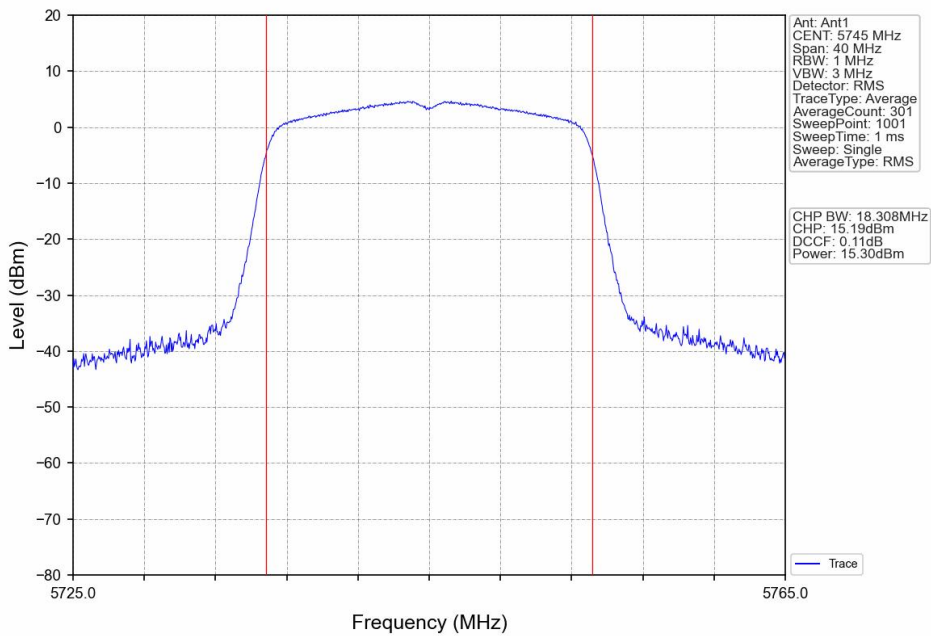




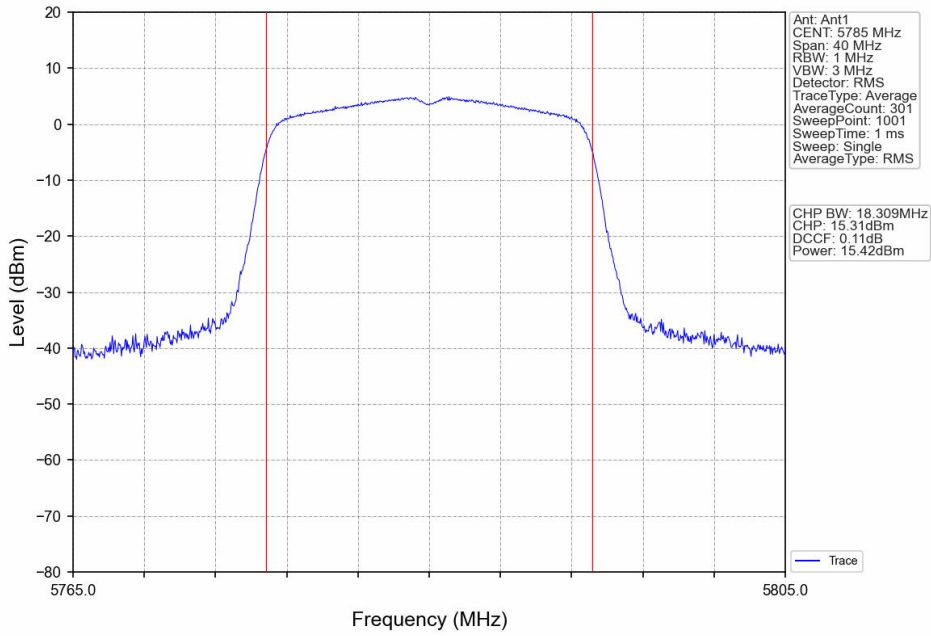
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



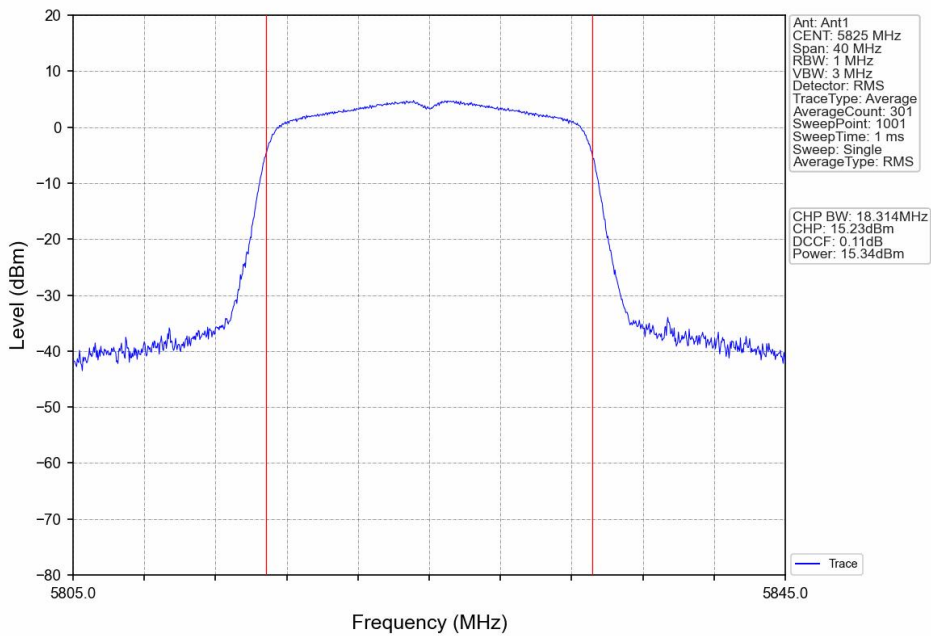
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

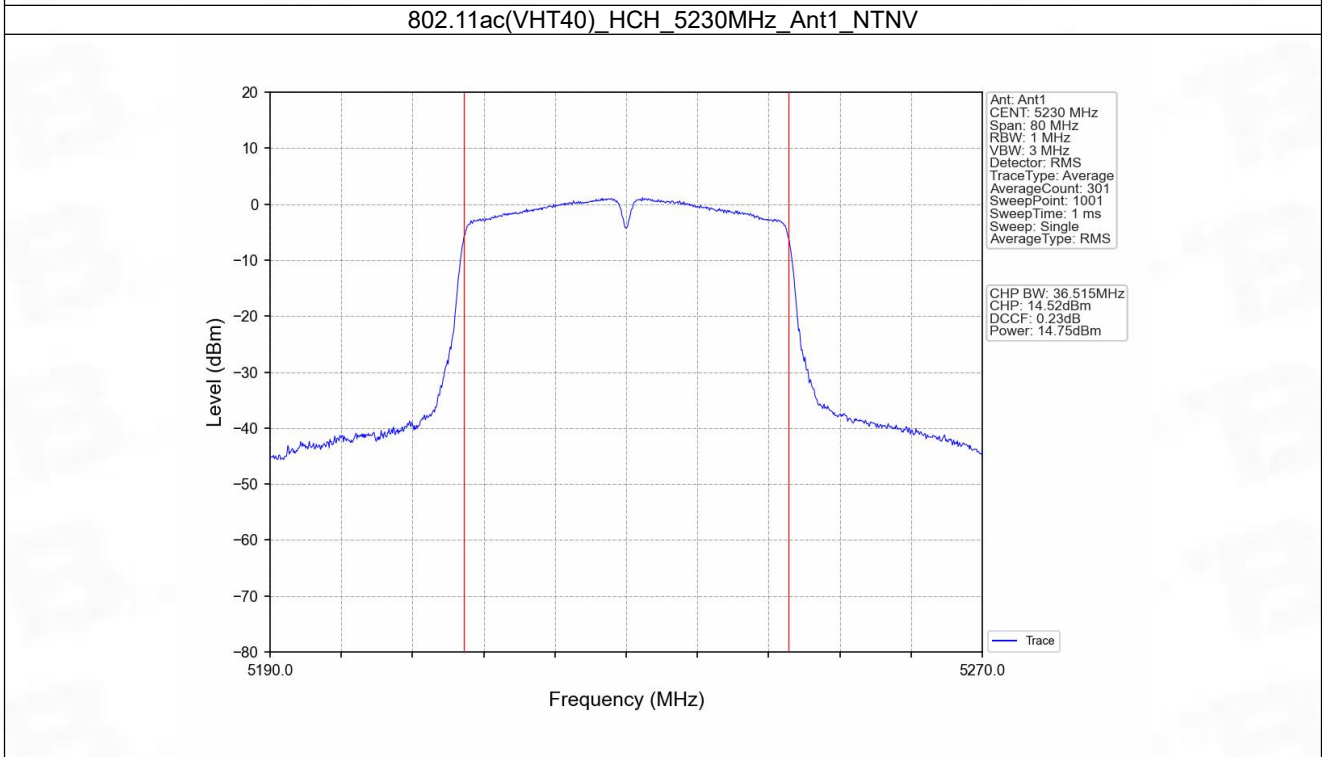
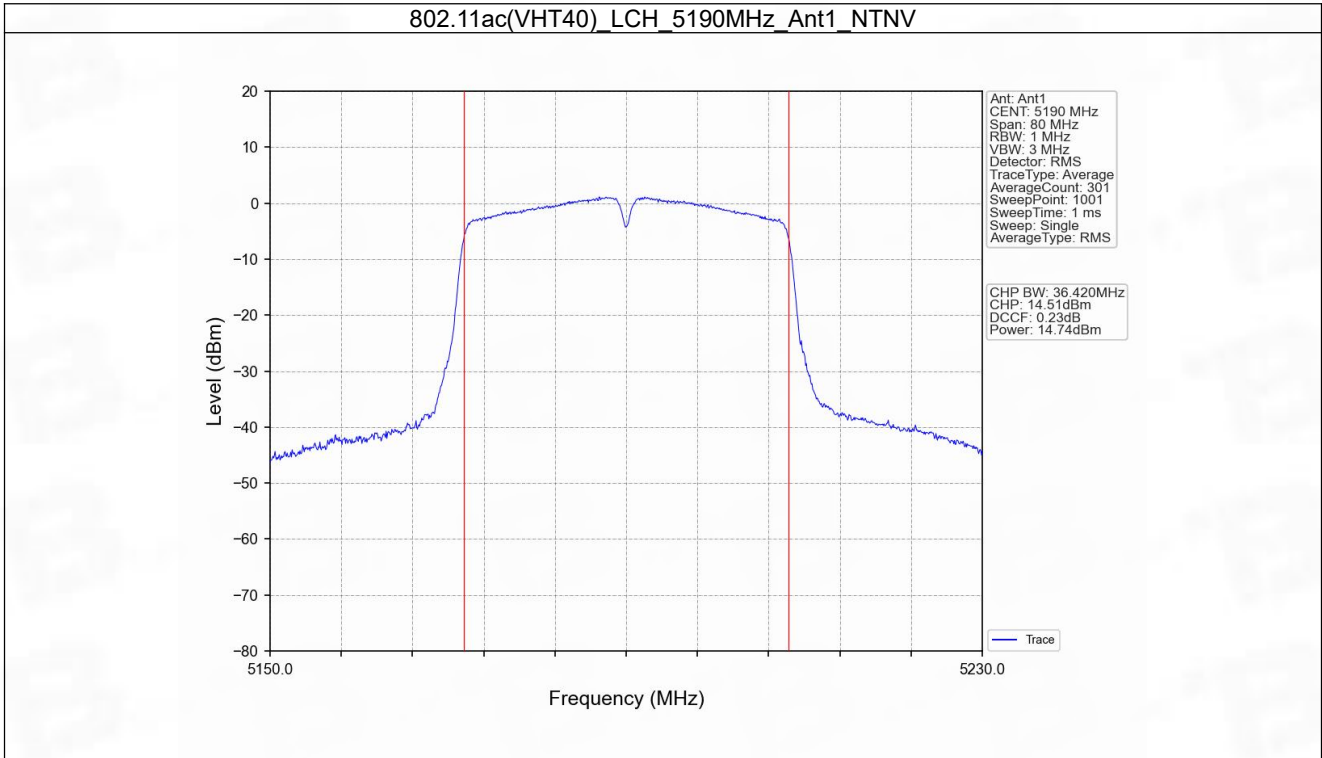


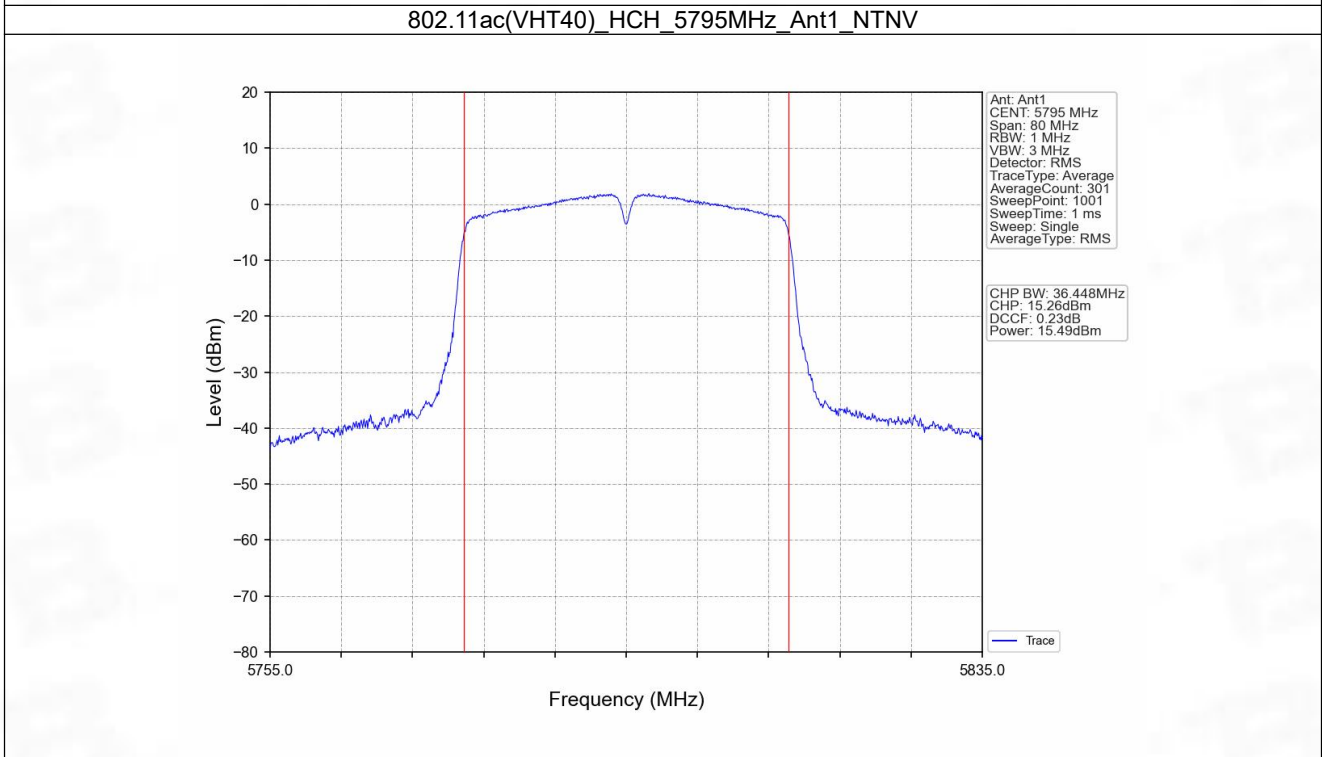
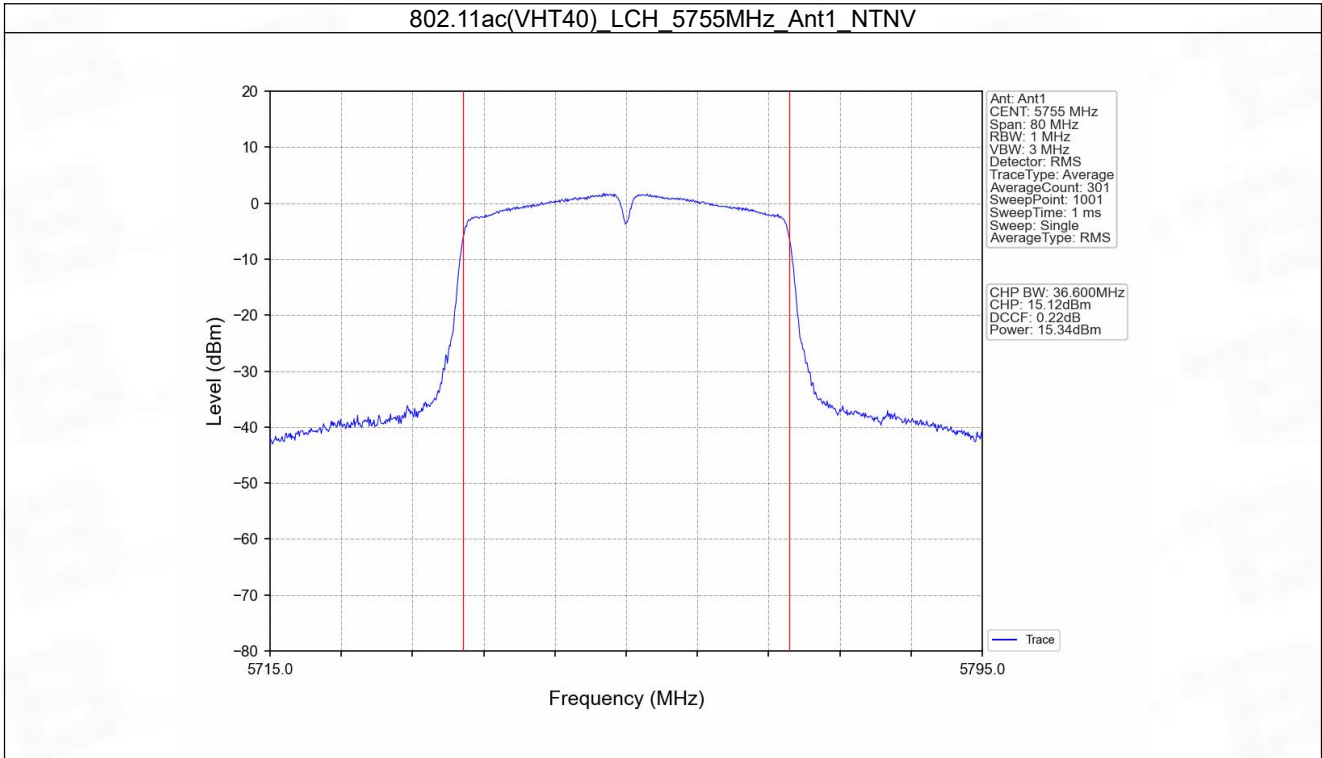
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



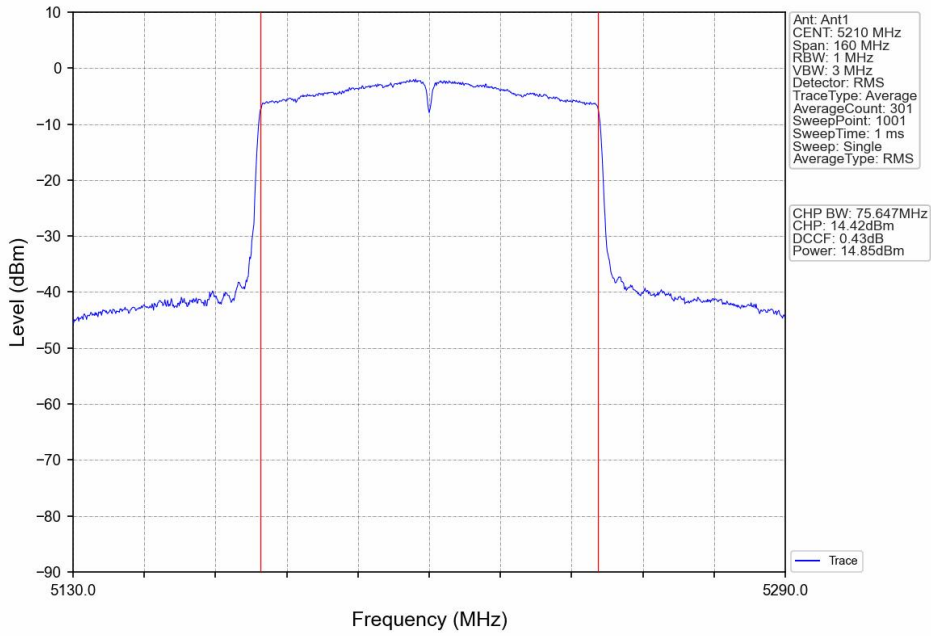
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



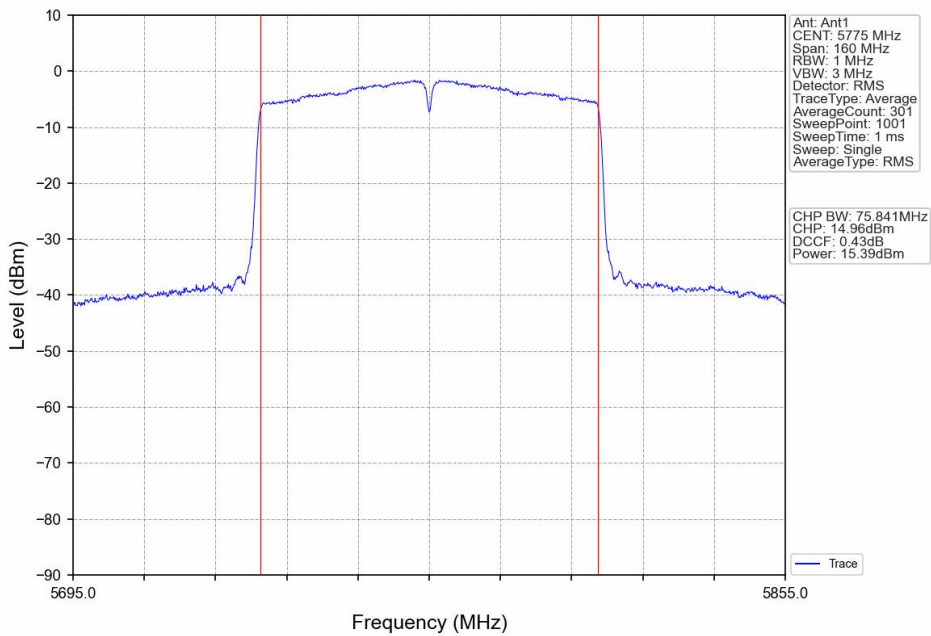




802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



4. Maximum Power Spectral Density

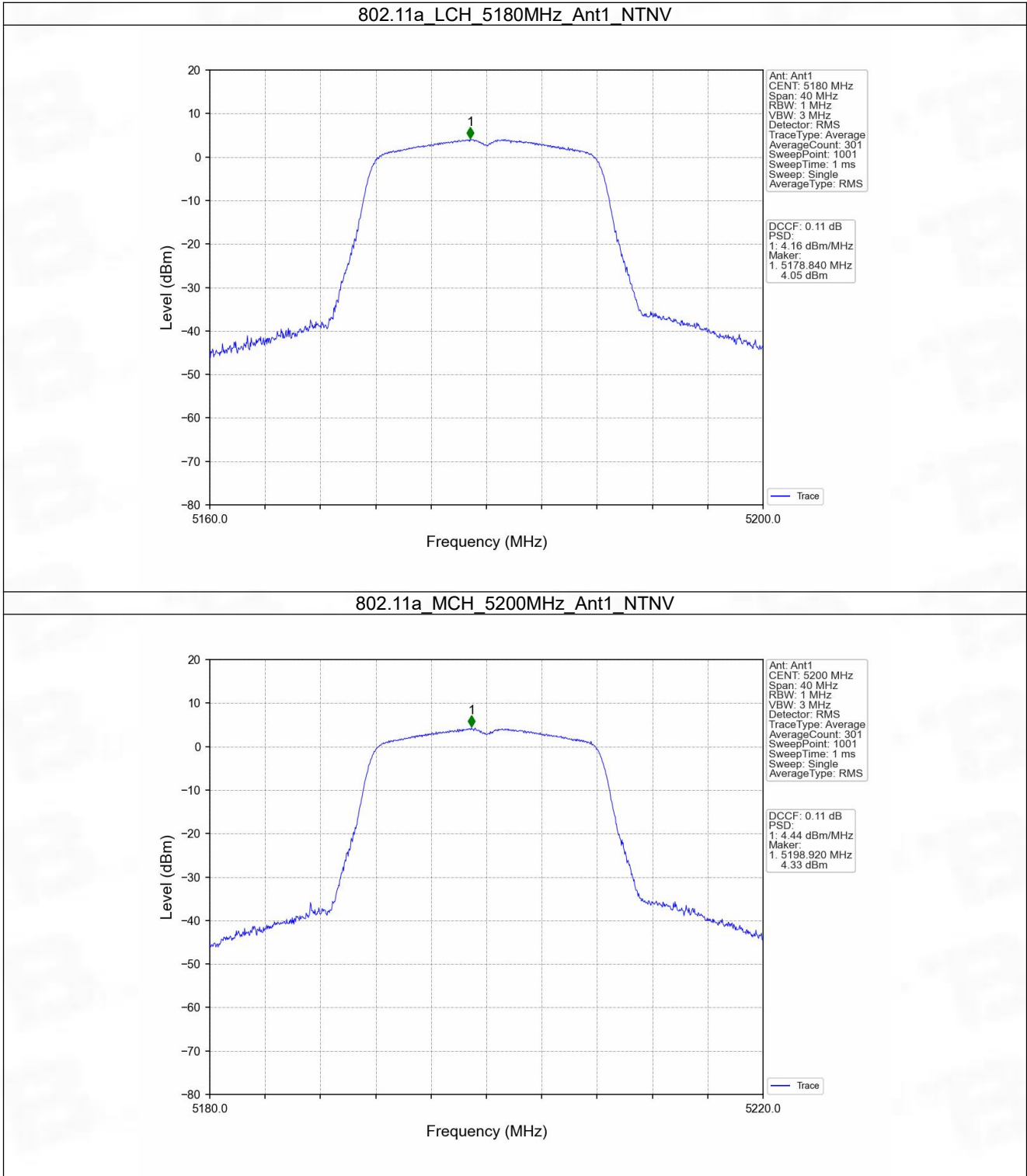
4.1 PSD

4.1.1 Test Result

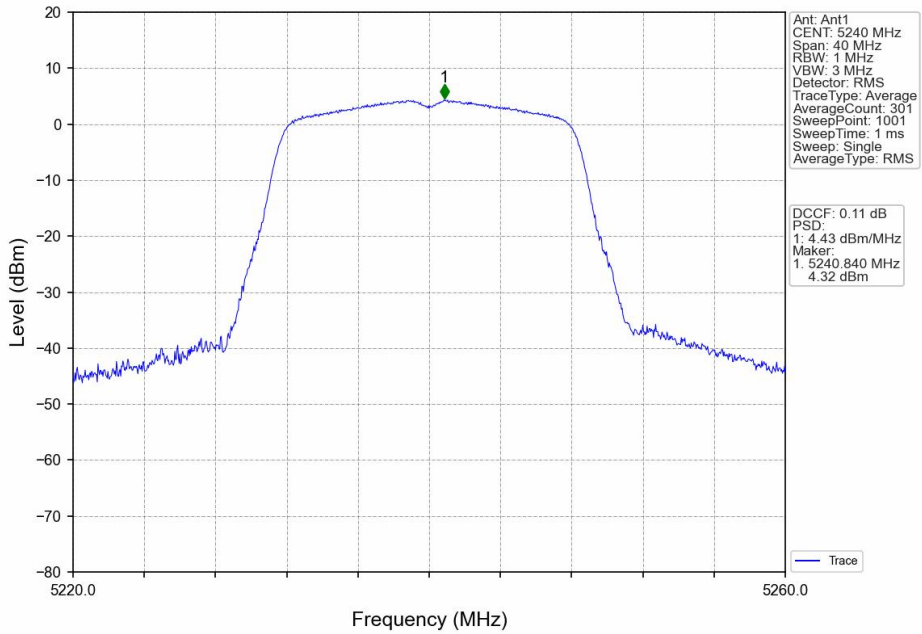
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	4.16	<=11	Pass
		5200	4.44	<=11	Pass
		5240	4.43	<=11	Pass
802.11n (HT20)	SISO	5180	3.94	<=11	Pass
		5200	3.96	<=11	Pass
		5240	4.10	<=11	Pass
802.11n (HT40)	SISO	5190	1.45	<=11	Pass
		5230	1.46	<=11	Pass
802.11ac (VHT20)	SISO	5180	1.33	<=11	Pass
		5200	1.42	<=11	Pass
		5240	4.35	<=11	Pass
802.11ac (VHT40)	SISO	5190	1.46	<=11	Pass
		5230	1.47	<=11	Pass
802.11ac (VHT80)	SISO	5210	-1.75	<=11	Pass

Note1: Antenna Gain: Ant1: 1.16dBi;

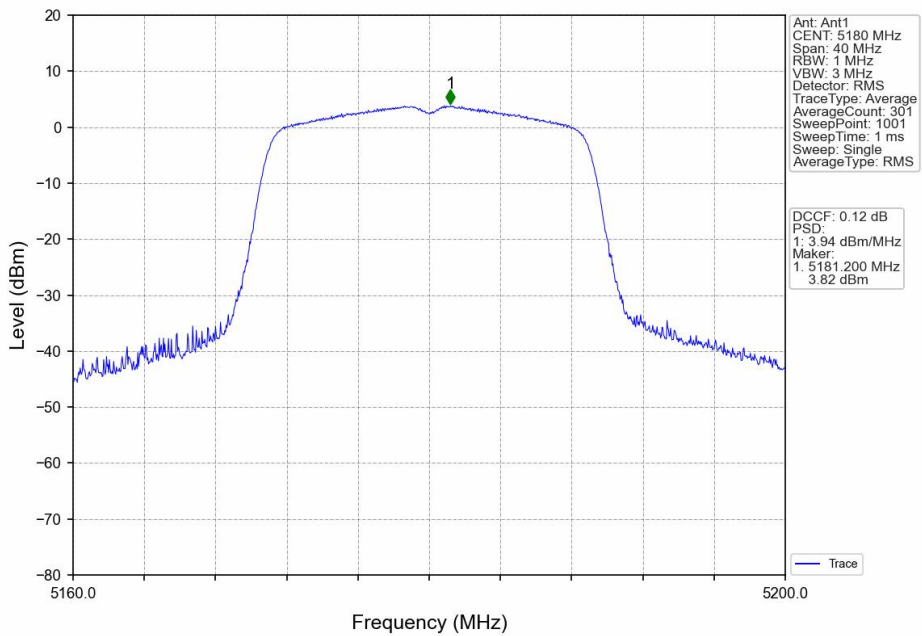
4.1.2 Test Graph

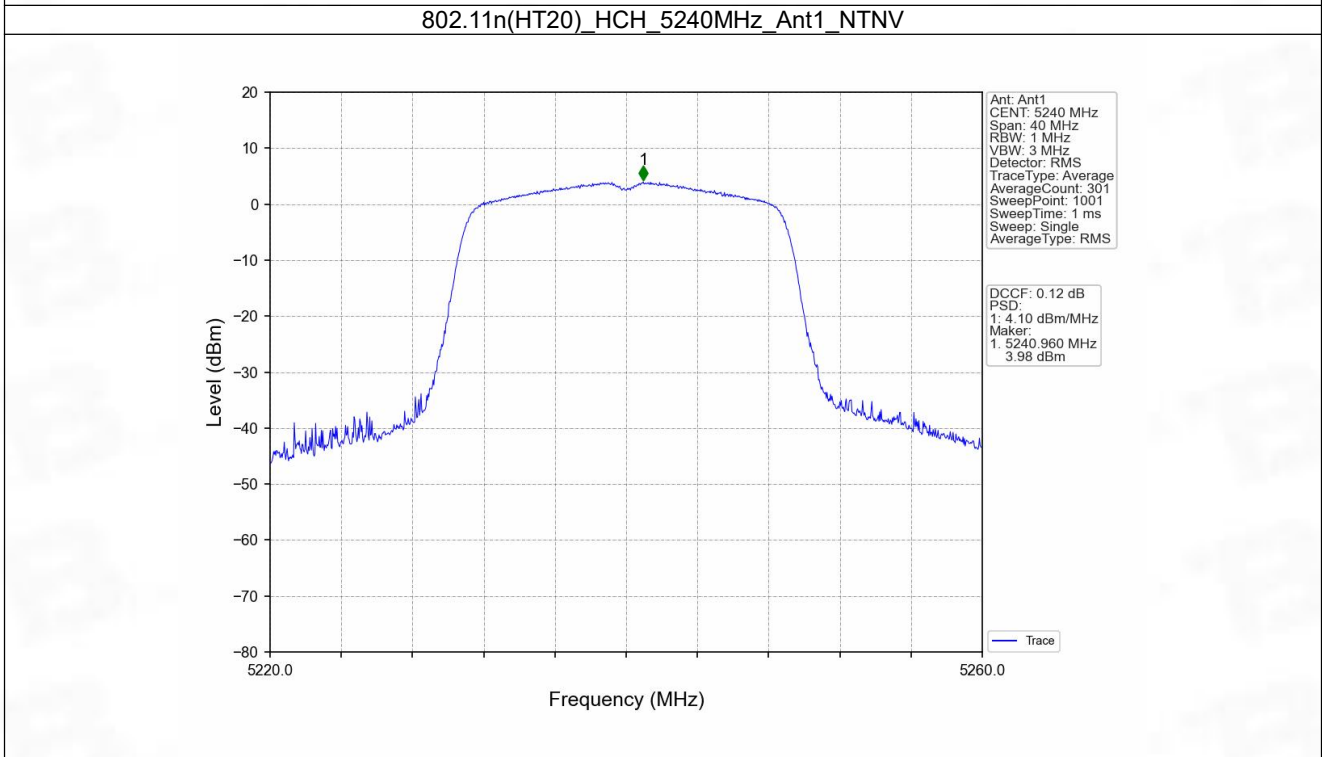
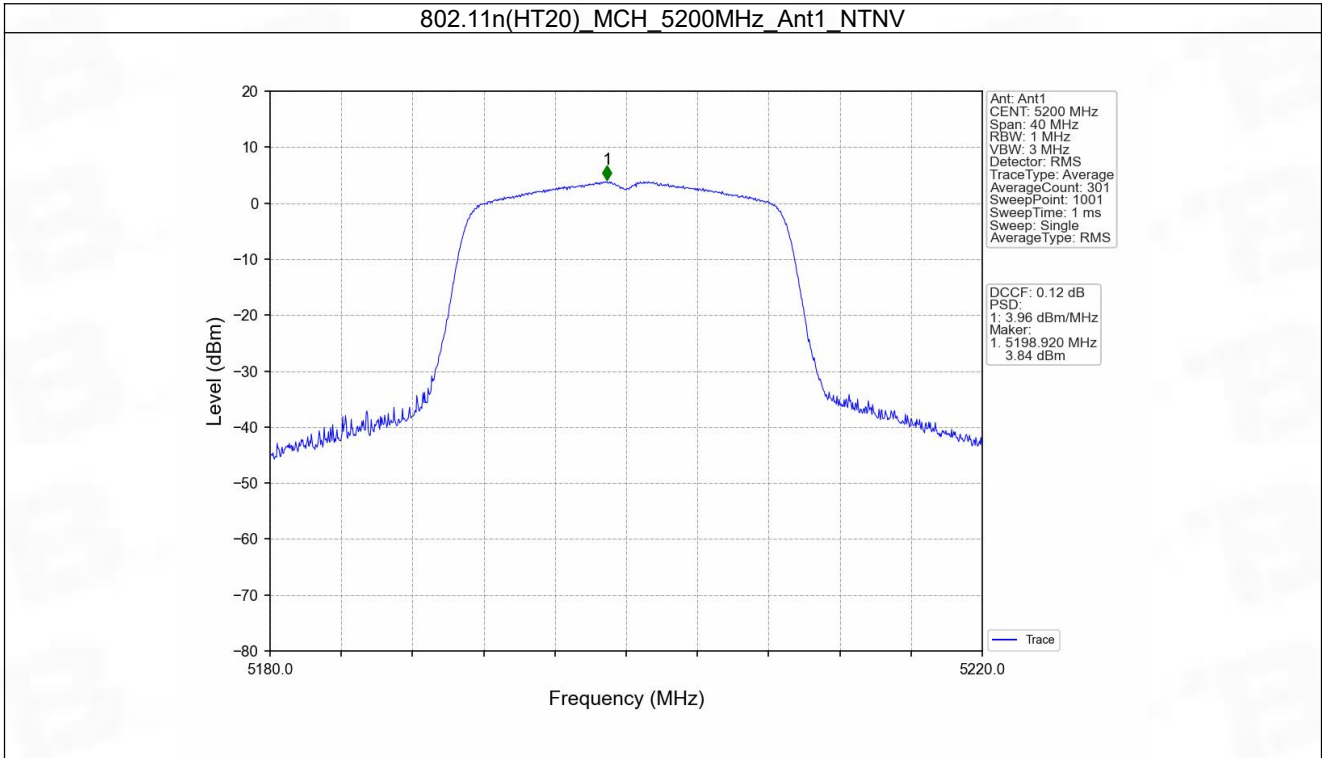


802.11a_HCH_5240MHz_Ant1_NTNV

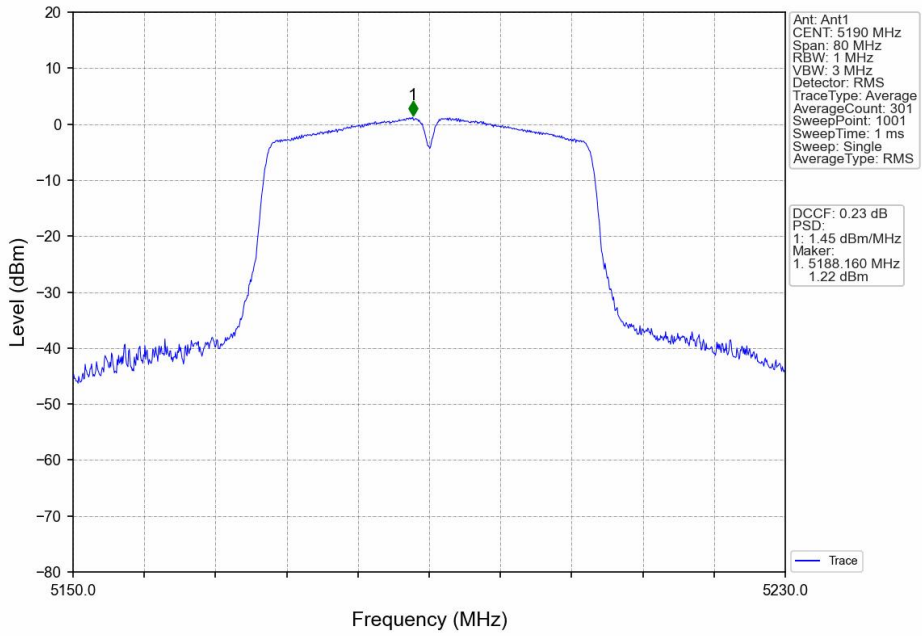


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

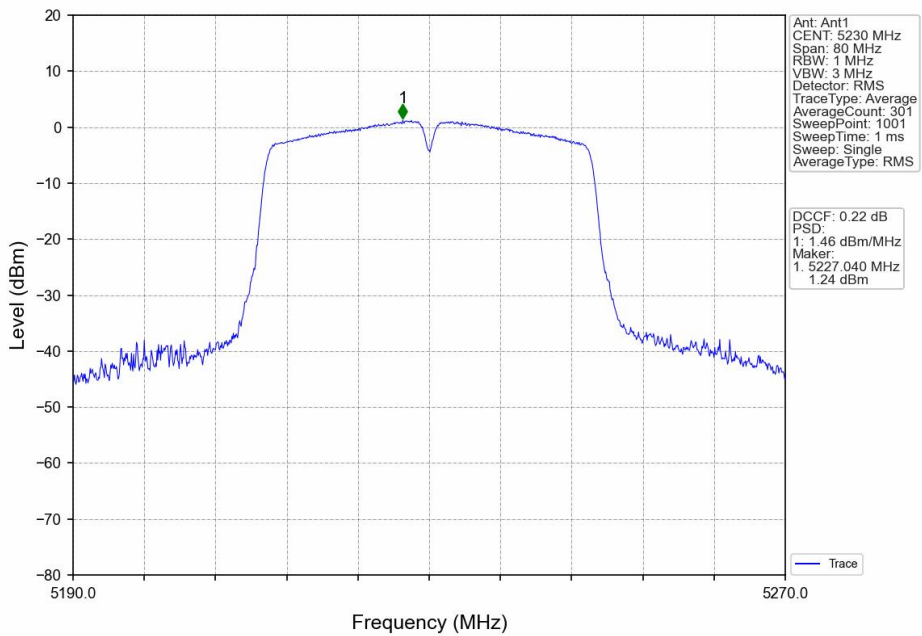


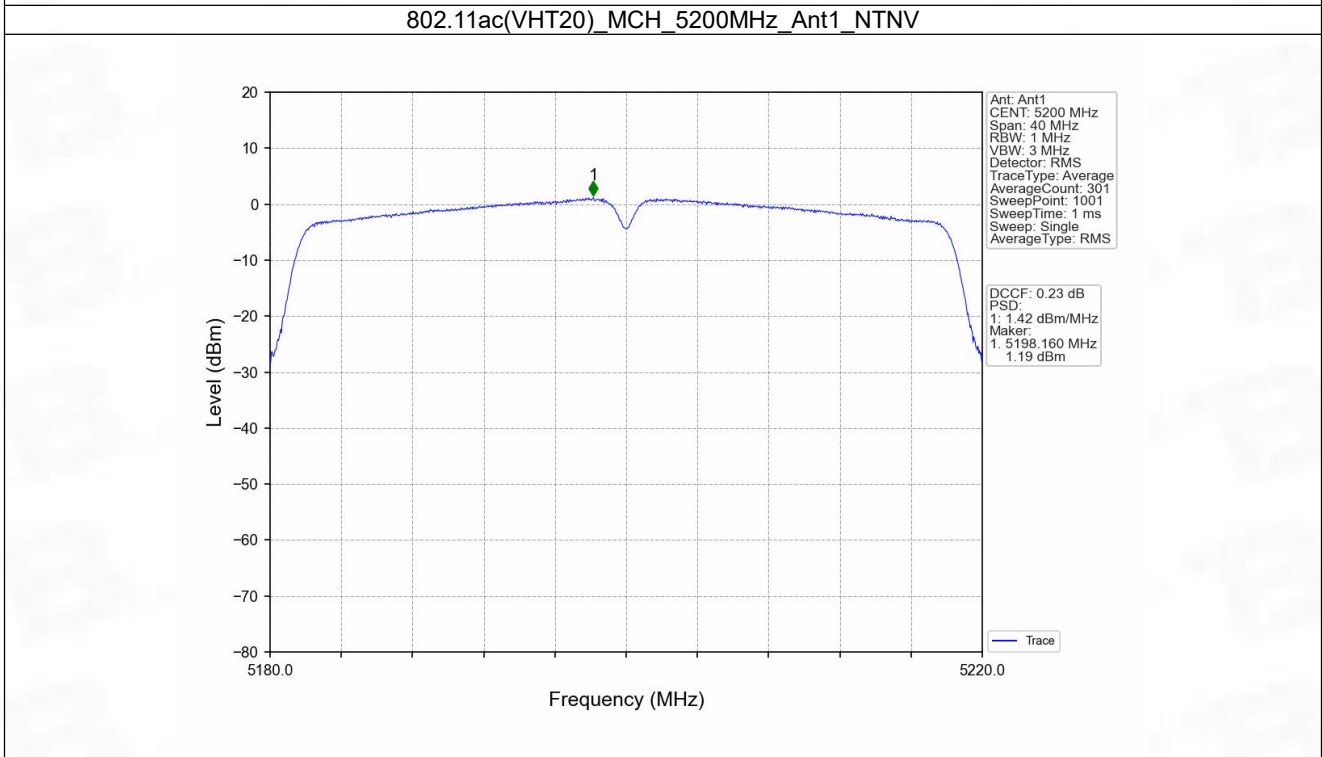
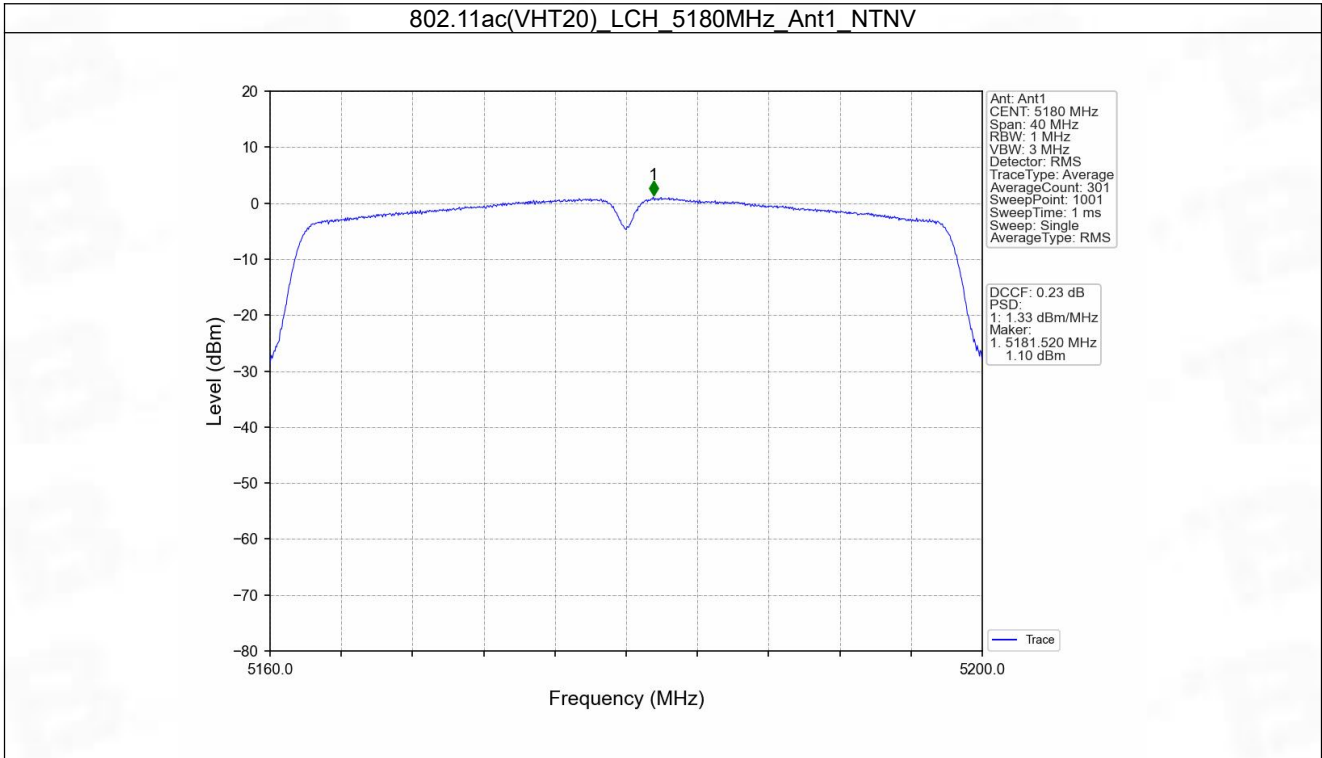


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

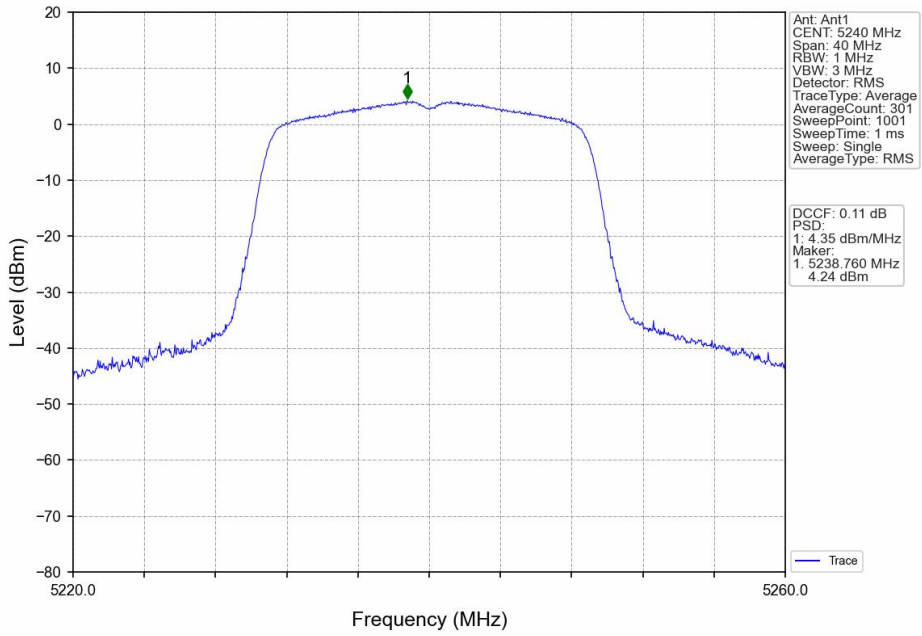


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

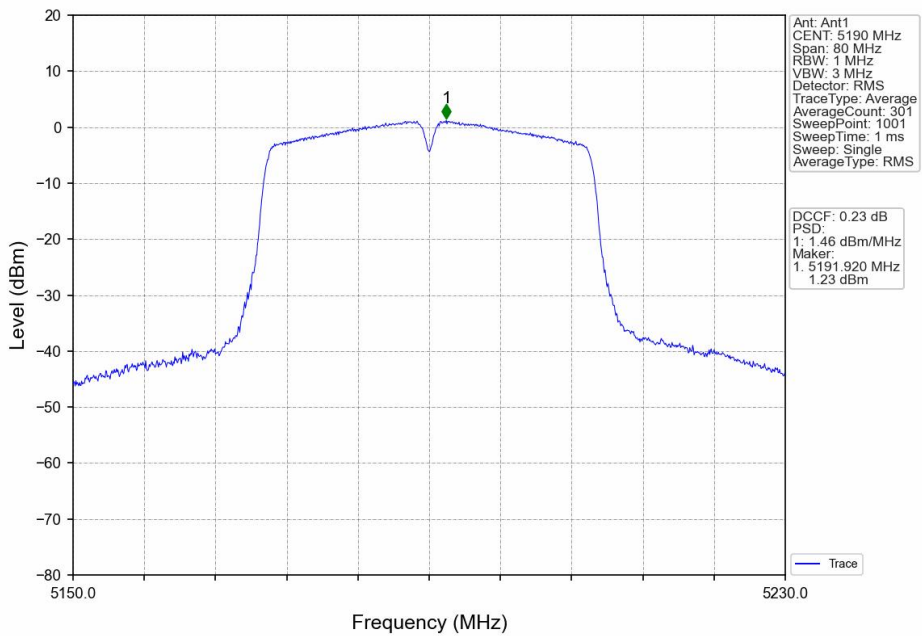


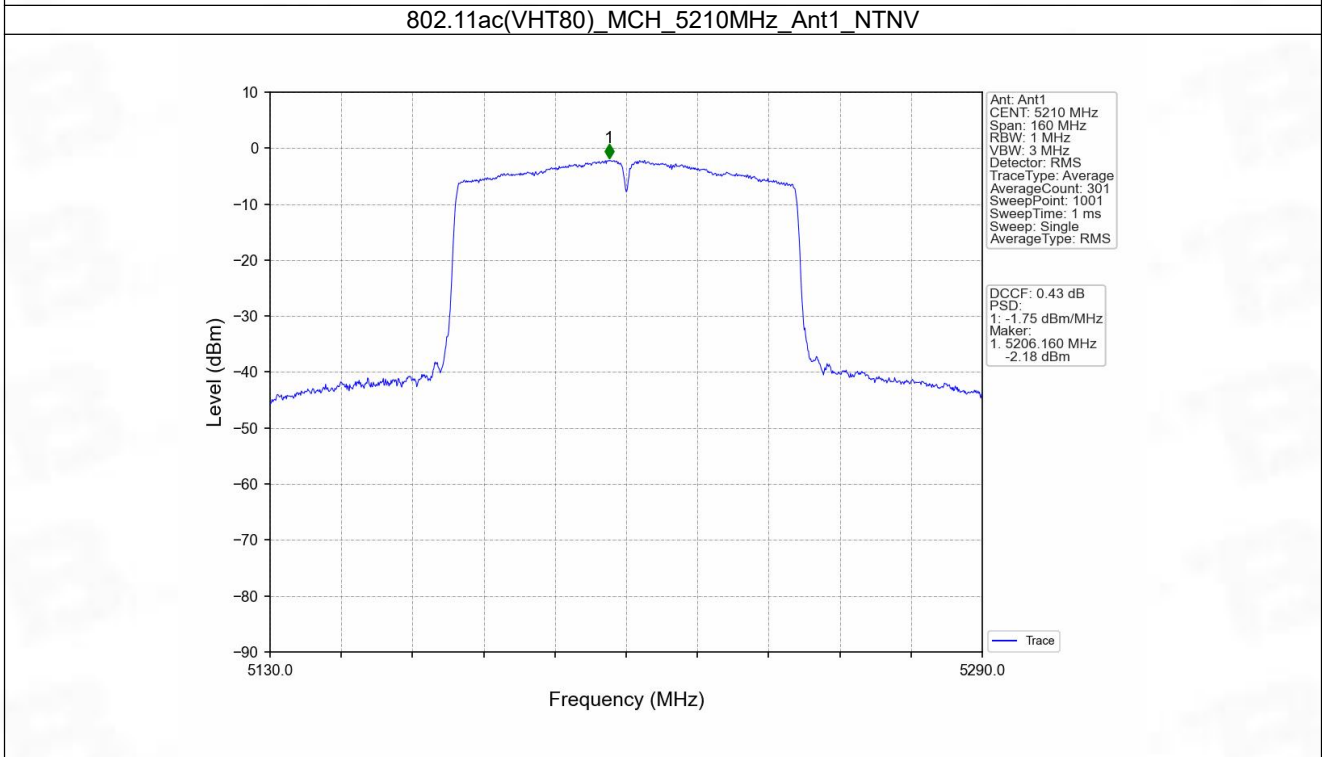
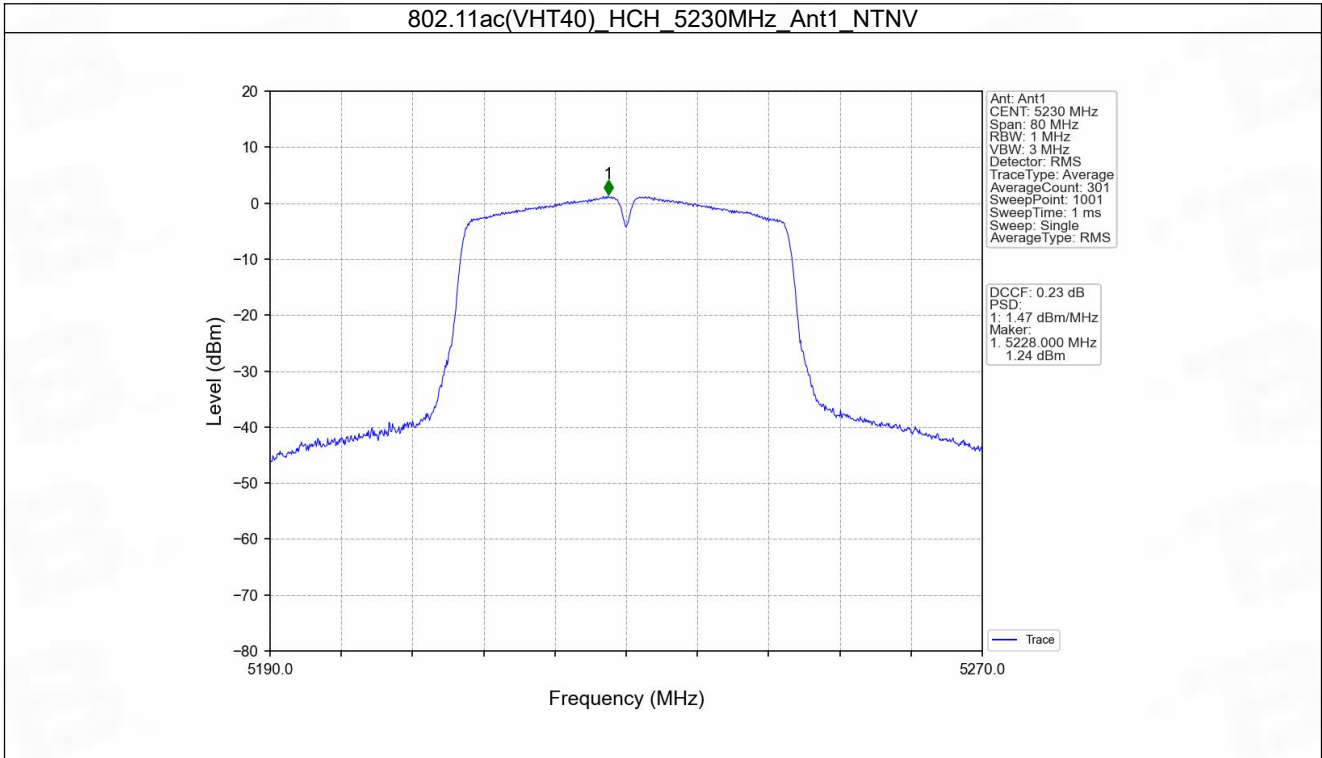


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV





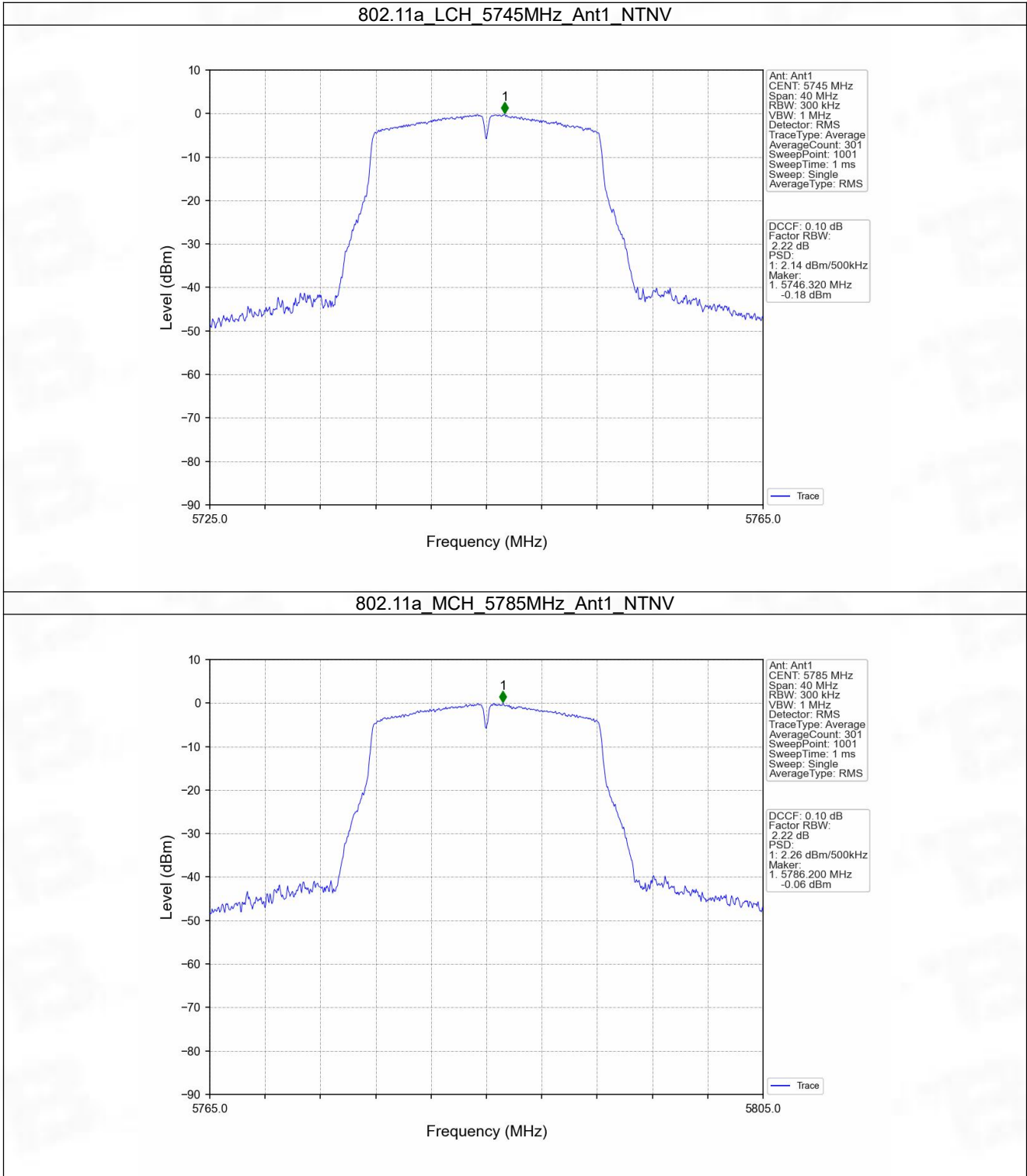
4.2 PSD-Band3

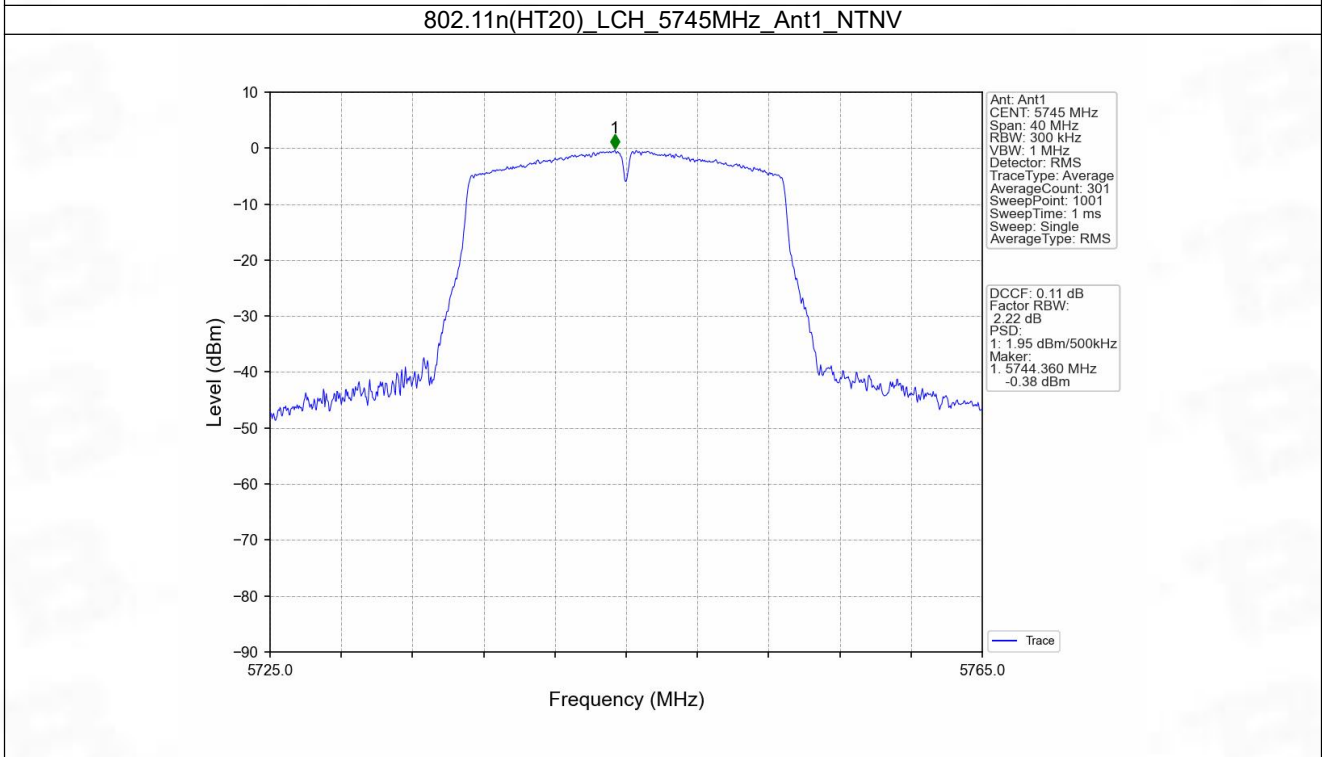
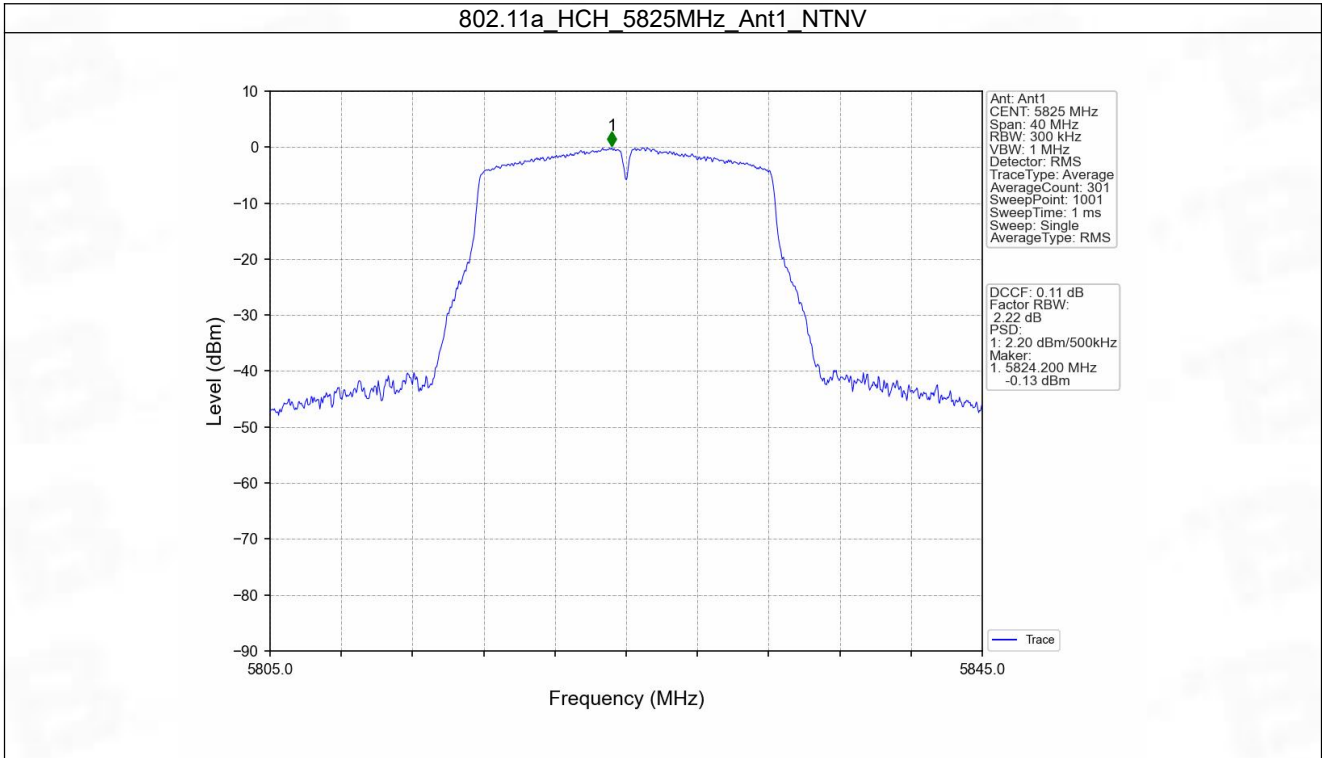
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	2.14	<=30	Pass
		5785	2.26	<=30	Pass
		5825	2.20	<=30	Pass
802.11n (HT20)	SISO	5745	1.95	<=30	Pass
		5785	1.88	<=30	Pass
		5825	2.07	<=30	Pass
802.11n (HT40)	SISO	5755	-1.16	<=30	Pass
		5795	-1.03	<=30	Pass
802.11ac (VHT20)	SISO	5745	1.89	<=30	Pass
		5785	2.13	<=30	Pass
		5825	1.93	<=30	Pass
802.11ac (VHT40)	SISO	5755	-1.10	<=30	Pass
		5795	-0.94	<=30	Pass
802.11ac (VHT80)	SISO	5775	-4.03	<=30	Pass

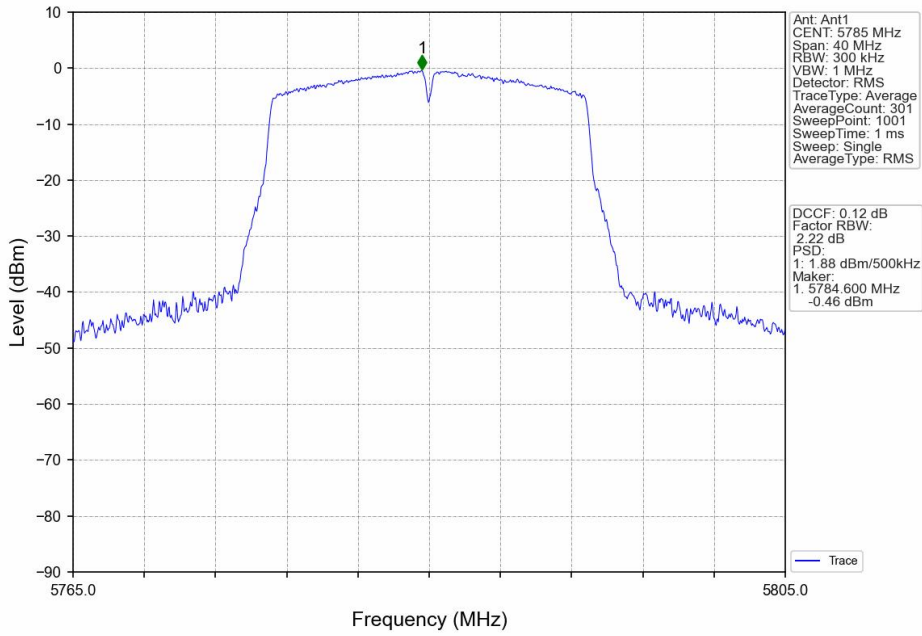
Note1: Antenna Gain: Ant1: 1.16dBi;

4.2.2 Test Graph

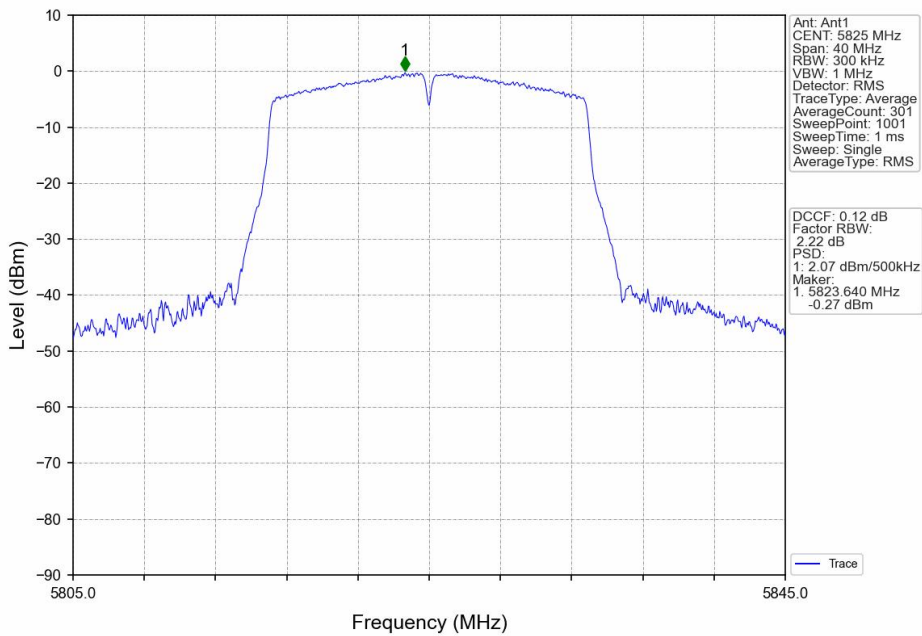


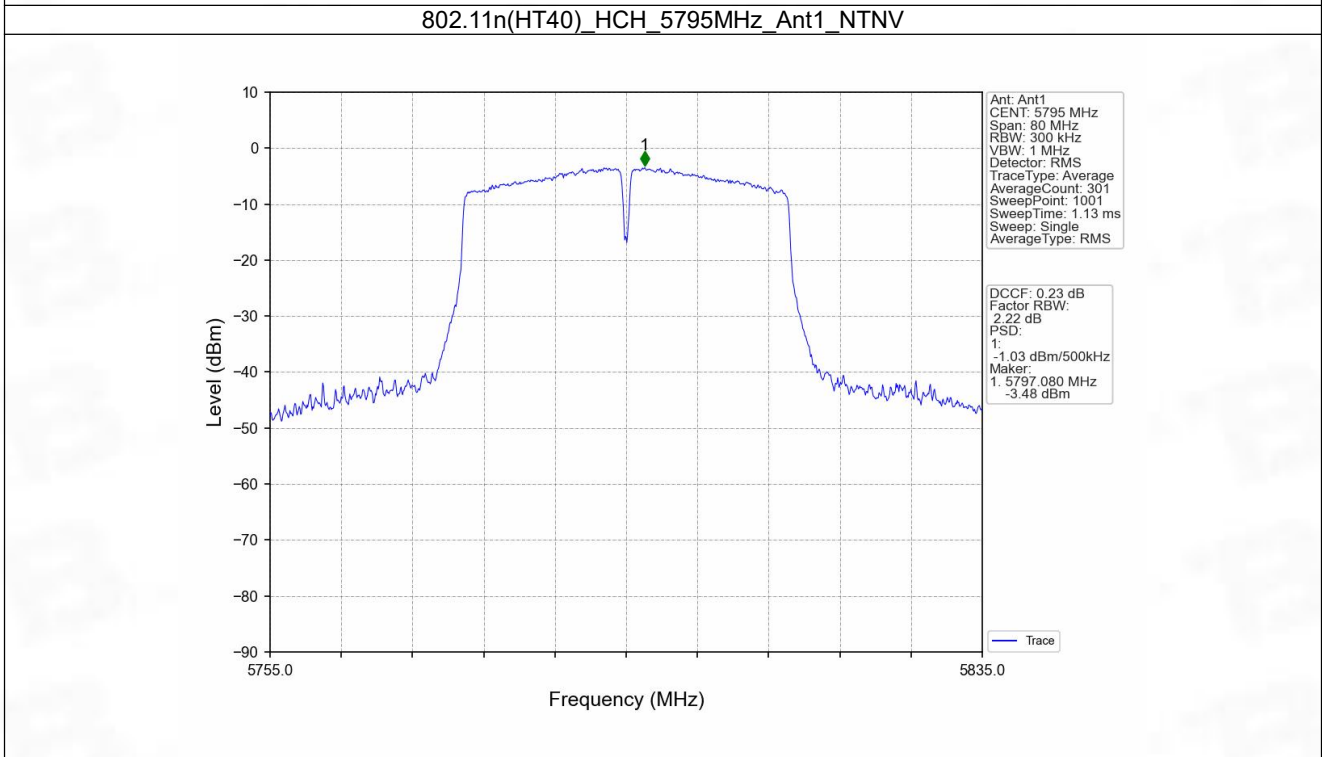
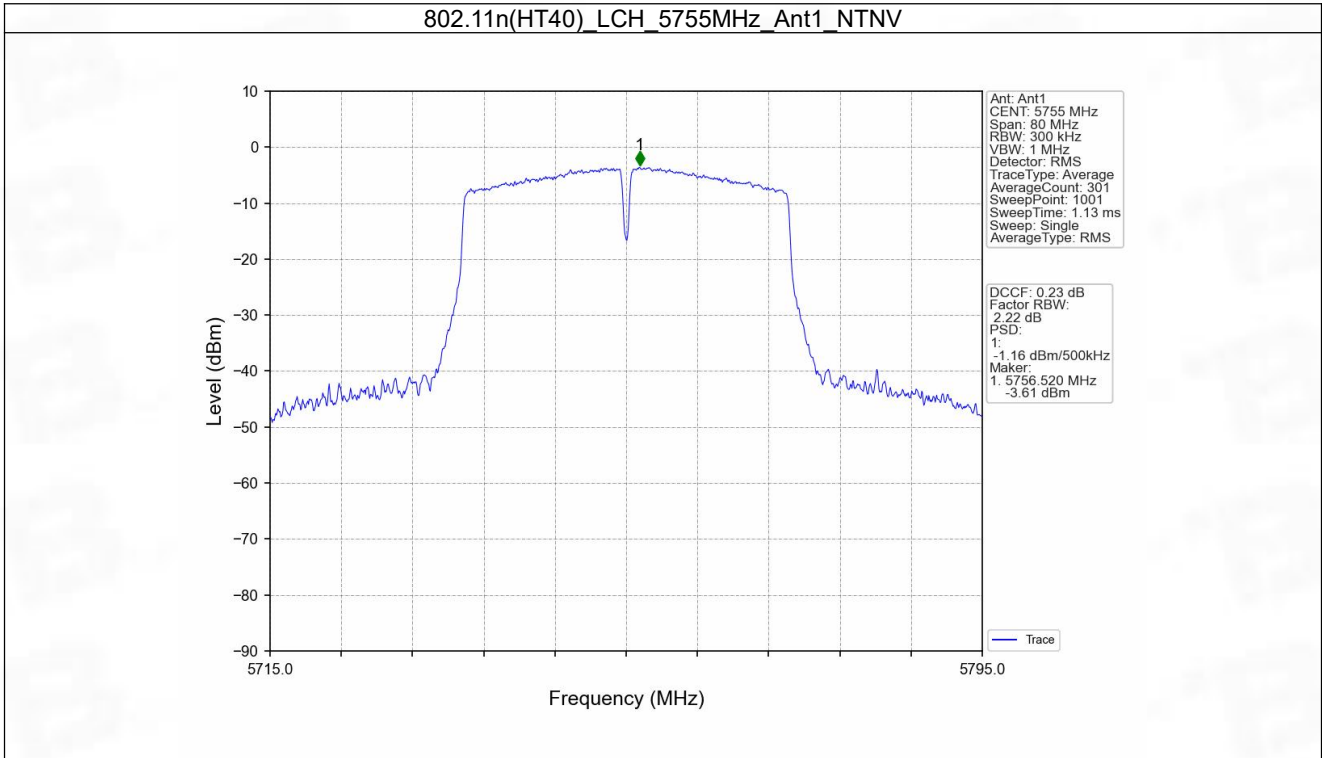


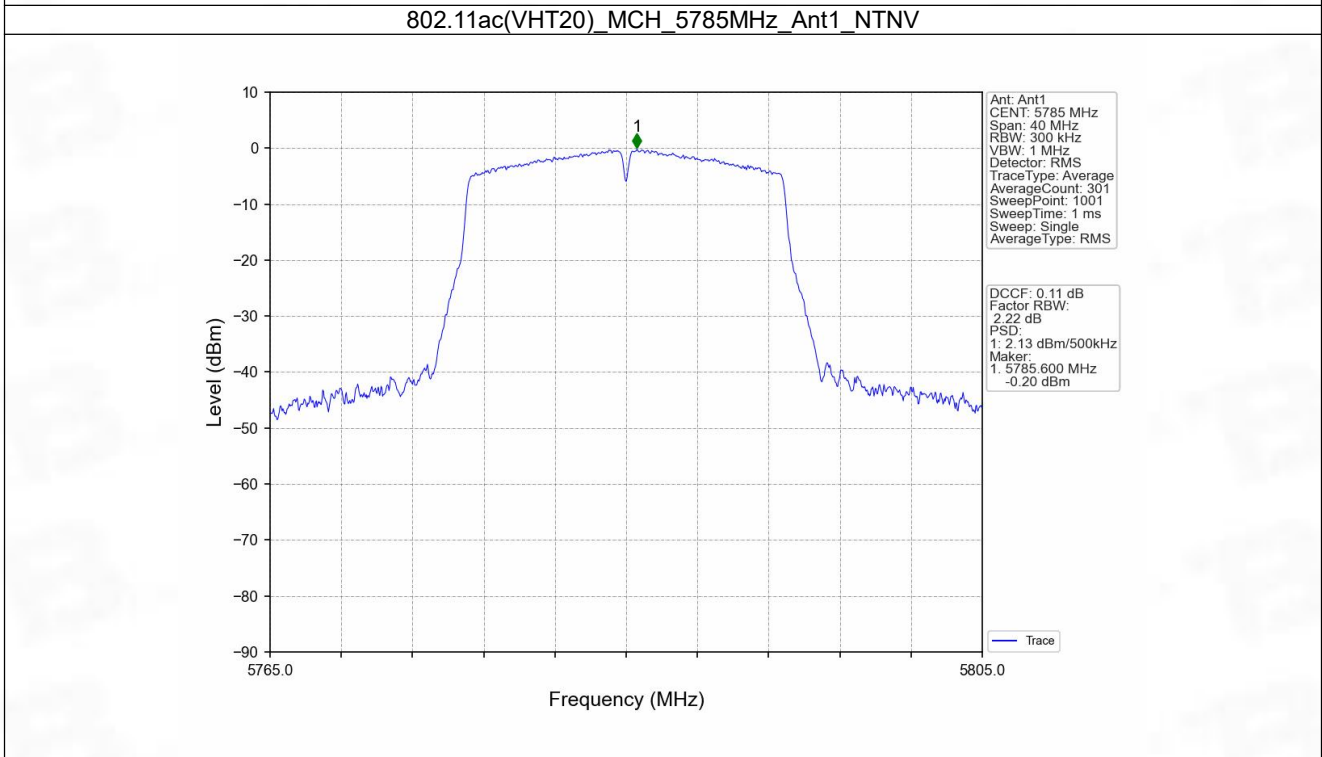
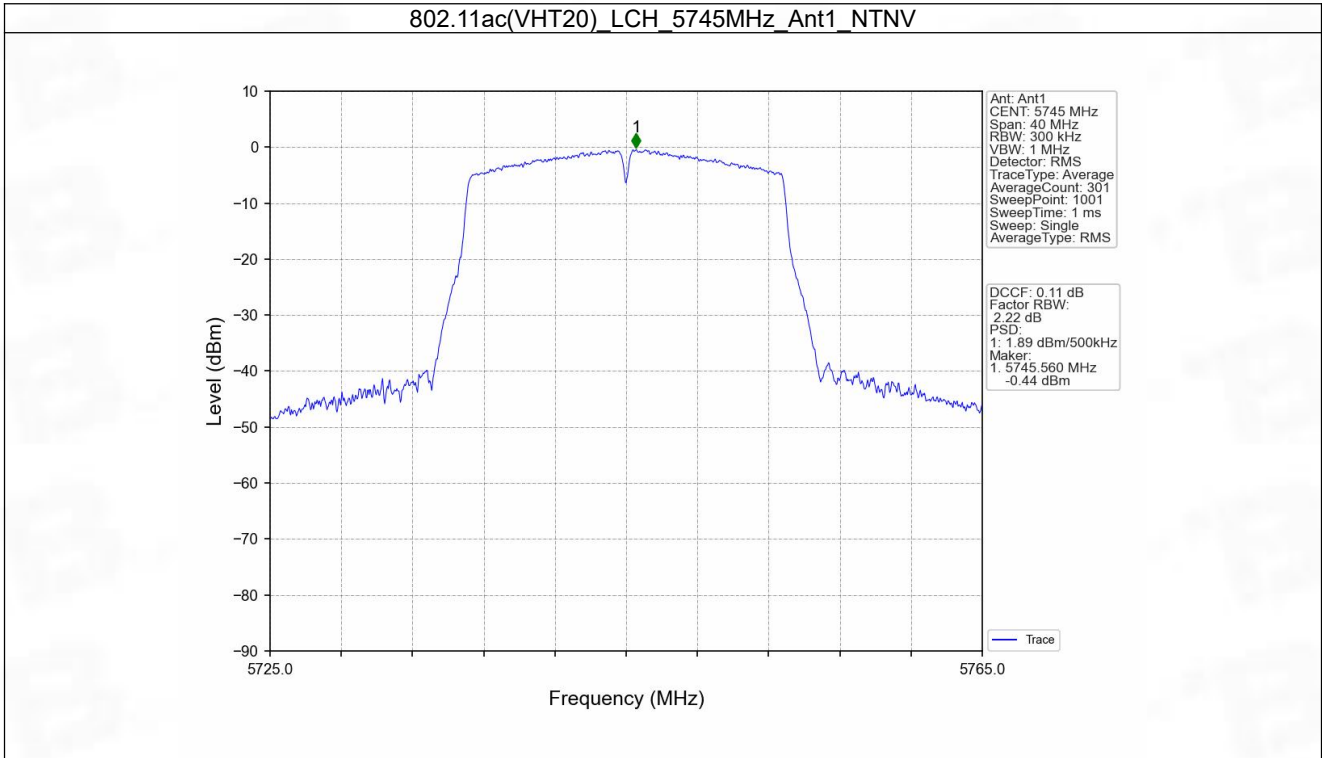
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



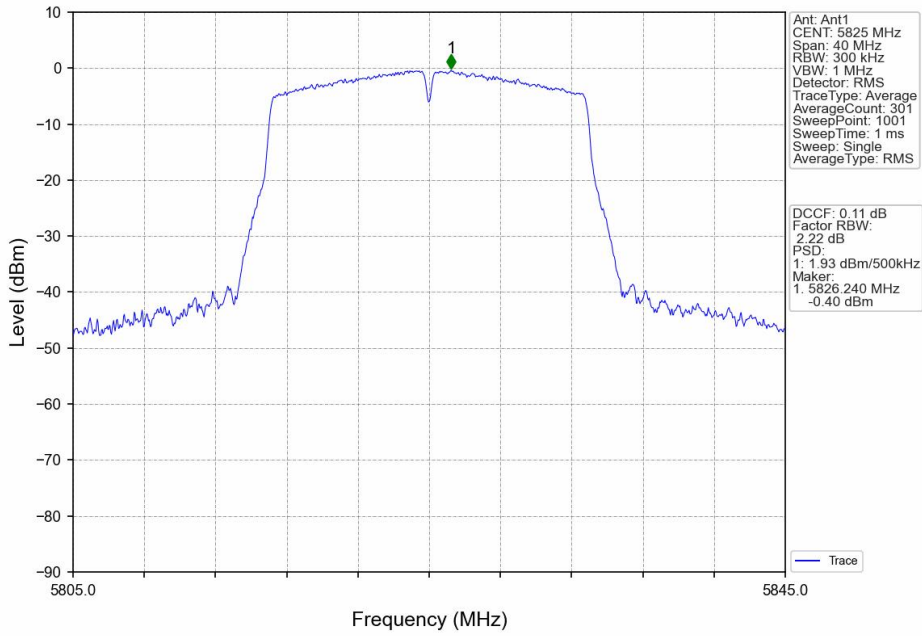
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



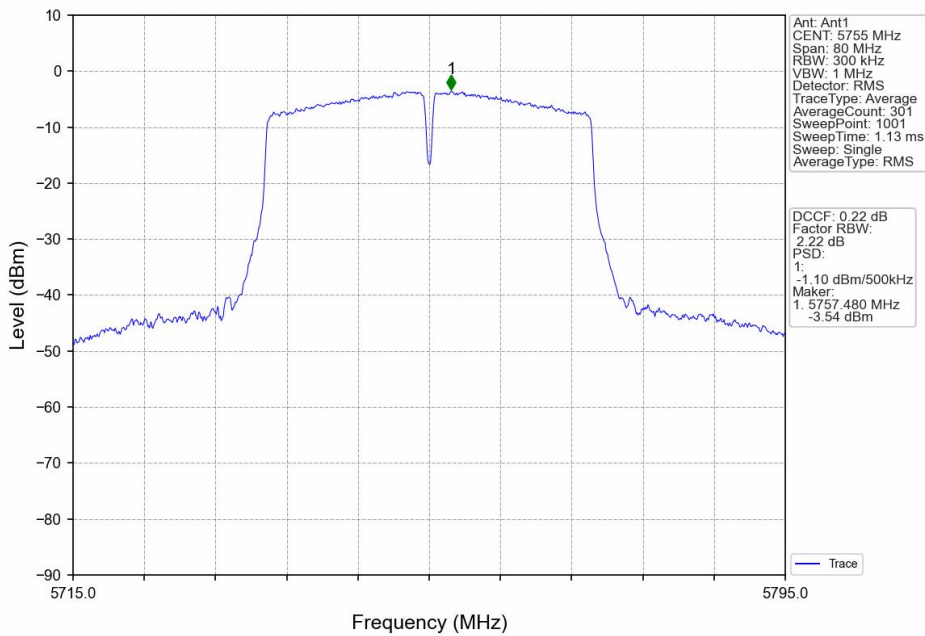


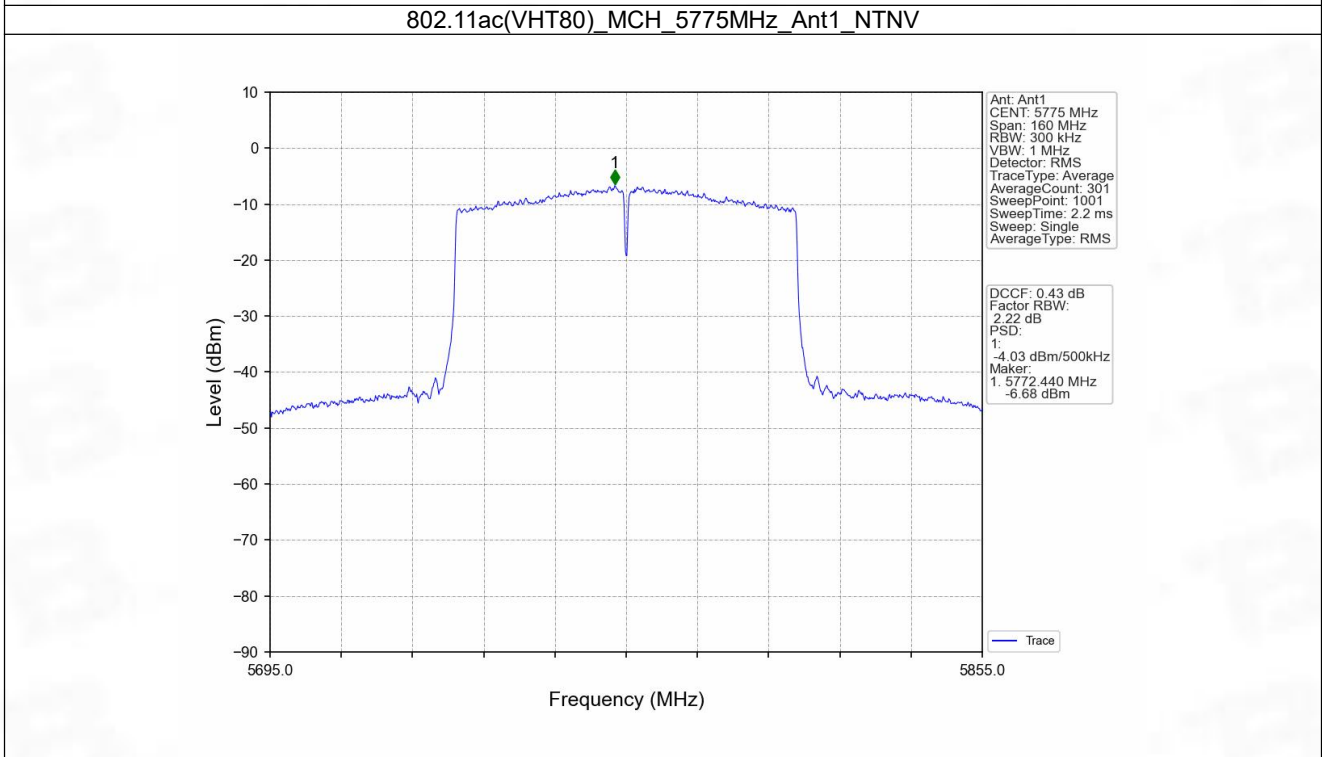
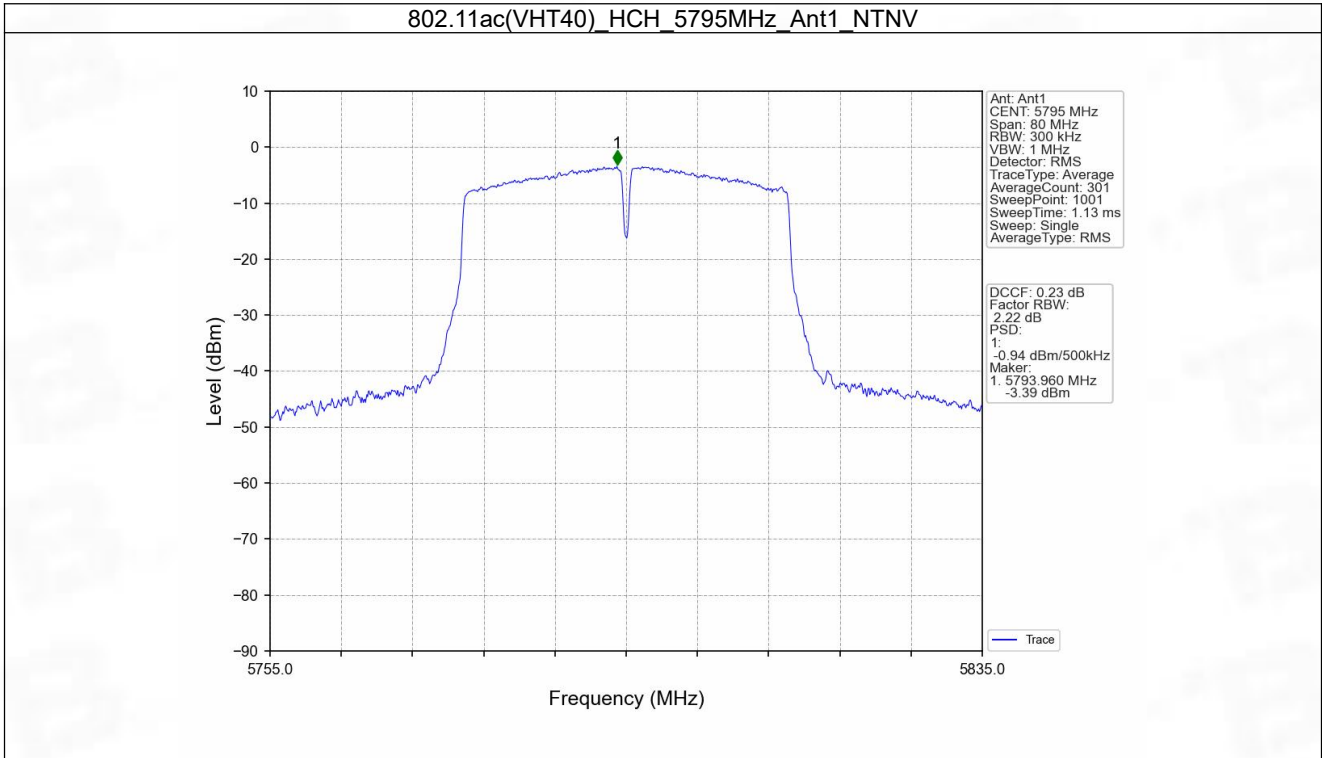


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV





5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1			Verdict
				Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	
Carrier Wave	SISO	5180	20	102	5179.975	5150 to 5250	Pass
				120	5179.974	5150 to 5250	Pass
				138	5179.974	5150 to 5250	Pass
			-30	120	5179.974	5150 to 5250	Pass
				-20	120	5179.974	5150 to 5250
			-10		120	5179.974	5150 to 5250
				0	120	5179.974	5150 to 5250
			10	120	5179.974	5150 to 5250	Pass
			30	120	5179.974	5150 to 5250	Pass
			40	120	5179.974	5150 to 5250	Pass
		50	120	5179.974	5150 to 5250	Pass	
		5200	20	102	5199.973	5150 to 5250	Pass
				120	5199.973	5150 to 5250	Pass
				138	5199.973	5150 to 5250	Pass
			-30	120	5199.973	5150 to 5250	Pass
				-20	120	5199.973	5150 to 5250
			-10		120	5199.973	5150 to 5250
				0	120	5199.973	5150 to 5250
			10	120	5199.973	5150 to 5250	Pass
			30	120	5199.973	5150 to 5250	Pass
			40	120	5199.973	5150 to 5250	Pass
		50	120	5199.973	5150 to 5250	Pass	
		5240	20	102	5239.973	5150 to 5250	Pass
				120	5239.973	5150 to 5250	Pass
				138	5239.973	5150 to 5250	Pass
			-30	120	5239.973	5150 to 5250	Pass
				-20	120	5239.973	5150 to 5250
			-10		120	5239.973	5150 to 5250
				0	120	5239.973	5150 to 5250
			10	120	5239.973	5150 to 5250	Pass
			30	120	5239.973	5150 to 5250	Pass
			40	120	5239.973	5150 to 5250	Pass
		50	120	5239.973	5150 to 5250	Pass	
		5745	20	102	5744.970	5725 to 5850	Pass
				120	5744.970	5725 to 5850	Pass
				138	5744.970	5725 to 5850	Pass
			-30	120	5744.970	5725 to 5850	Pass
				-20	120	5744.970	5725 to 5850
			-10		120	5744.970	5725 to 5850
				0	120	5744.970	5725 to 5850
			10	120	5744.970	5725 to 5850	Pass
			30	120	5744.970	5725 to 5850	Pass
			40	120	5744.970	5725 to 5850	Pass
		50	120	5744.970	5725 to 5850	Pass	
		5785	20	102	5784.970	5725 to 5850	Pass

			120	5784.970	5725 to 5850	Pass
			138	5784.970	5725 to 5850	Pass
		-30	120	5784.970	5725 to 5850	Pass
		-20	120	5784.970	5725 to 5850	Pass
		-10	120	5784.970	5725 to 5850	Pass
		0	120	5784.970	5725 to 5850	Pass
		10	120	5784.970	5725 to 5850	Pass
		30	120	5784.970	5725 to 5850	Pass
		40	120	5784.970	5725 to 5850	Pass
		50	120	5784.970	5725 to 5850	Pass
	5825	20	102	5824.970	5725 to 5850	Pass
			120	5824.969	5725 to 5850	Pass
			138	5824.969	5725 to 5850	Pass
		-30	120	5824.969	5725 to 5850	Pass
		-20	120	5824.969	5725 to 5850	Pass
		-10	120	5824.969	5725 to 5850	Pass
		0	120	5824.969	5725 to 5850	Pass
		10	120	5824.969	5725 to 5850	Pass
		30	120	5824.969	5725 to 5850	Pass
		40	120	5824.969	5725 to 5850	Pass
	50	120	5824.969	5725 to 5850	Pass	
	5190	20	102	5189.973	5150 to 5250	Pass
			120	5189.973	5150 to 5250	Pass
			138	5189.973	5150 to 5250	Pass
		-30	120	5189.973	5150 to 5250	Pass
		-20	120	5189.973	5150 to 5250	Pass
		-10	120	5189.973	5150 to 5250	Pass
		0	120	5189.973	5150 to 5250	Pass
		10	120	5189.973	5150 to 5250	Pass
		30	120	5189.973	5150 to 5250	Pass
		40	120	5189.973	5150 to 5250	Pass
	50	120	5189.973	5150 to 5250	Pass	
	5230	20	102	5229.972	5150 to 5250	Pass
			120	5229.972	5150 to 5250	Pass
			138	5229.972	5150 to 5250	Pass
		-30	120	5229.972	5150 to 5250	Pass
		-20	120	5229.972	5150 to 5250	Pass
		-10	120	5229.973	5150 to 5250	Pass
		0	120	5229.972	5150 to 5250	Pass
		10	120	5229.972	5150 to 5250	Pass
		30	120	5229.972	5150 to 5250	Pass
		40	120	5229.972	5150 to 5250	Pass
	50	120	5229.973	5150 to 5250	Pass	
	5755	20	102	5754.970	5725 to 5850	Pass
			120	5754.970	5725 to 5850	Pass
			138	5754.970	5725 to 5850	Pass
		-30	120	5754.970	5725 to 5850	Pass
		-20	120	5754.970	5725 to 5850	Pass
		-10	120	5754.970	5725 to 5850	Pass
		0	120	5754.970	5725 to 5850	Pass
		10	120	5754.970	5725 to 5850	Pass
		30	120	5754.970	5725 to 5850	Pass
		40	120	5754.970	5725 to 5850	Pass
	50	120	5754.970	5725 to 5850	Pass	
	5795	20	102	5794.969	5725 to 5850	Pass
			120	5794.969	5725 to 5850	Pass
			138	5794.969	5725 to 5850	Pass
		-30	120	5794.969	5725 to 5850	Pass

			-20	120	5794.969	5725 to 5850	Pass	
			-10	120	5794.969	5725 to 5850	Pass	
			0	120	5794.969	5725 to 5850	Pass	
			10	120	5794.969	5725 to 5850	Pass	
			30	120	5794.969	5725 to 5850	Pass	
			40	120	5794.969	5725 to 5850	Pass	
			50	120	5794.969	5725 to 5850	Pass	
		5210	20	102	5209.973	5150 to 5250	Pass	
				120	5209.973	5150 to 5250	Pass	
				138	5209.973	5150 to 5250	Pass	
			-30	120	5209.973	5150 to 5250	Pass	
			-20	120	5209.973	5150 to 5250	Pass	
			-10	120	5209.973	5150 to 5250	Pass	
			0	120	5209.973	5150 to 5250	Pass	
			10	120	5209.973	5150 to 5250	Pass	
			30	120	5209.973	5150 to 5250	Pass	
			40	120	5209.973	5150 to 5250	Pass	
			50	120	5209.972	5150 to 5250	Pass	
			5775	20	102	5774.970	5725 to 5850	Pass
					120	5774.970	5725 to 5850	Pass
		138			5774.970	5725 to 5850	Pass	
		-30		120	5774.970	5725 to 5850	Pass	
		-20		120	5774.970	5725 to 5850	Pass	
		-10		120	5774.970	5725 to 5850	Pass	
		0		120	5774.970	5725 to 5850	Pass	
		10		120	5774.970	5725 to 5850	Pass	
		30		120	5774.970	5725 to 5850	Pass	
		40		120	5774.970	5725 to 5850	Pass	
		50		120	5774.970	5725 to 5850	Pass	

6. Form731

6.1 Form731

6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0302	14.80
5745	5825	0.0357	15.53
5190	5230	0.0305	14.84
5755	5795	0.0354	15.49
5210	5210	0.0305	14.85



Test Report Number: BTF230628R00104



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-- END OF REPORT --