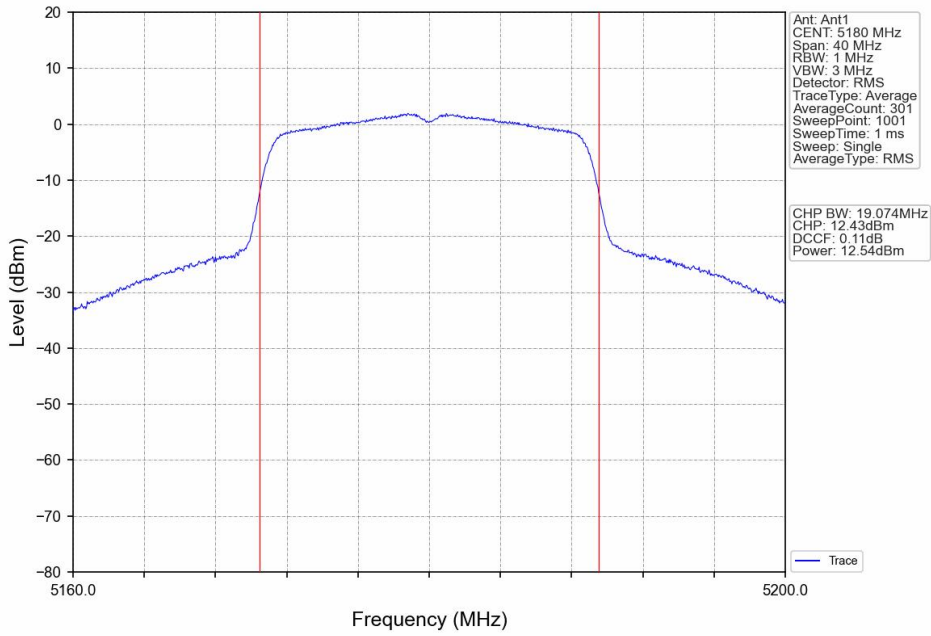
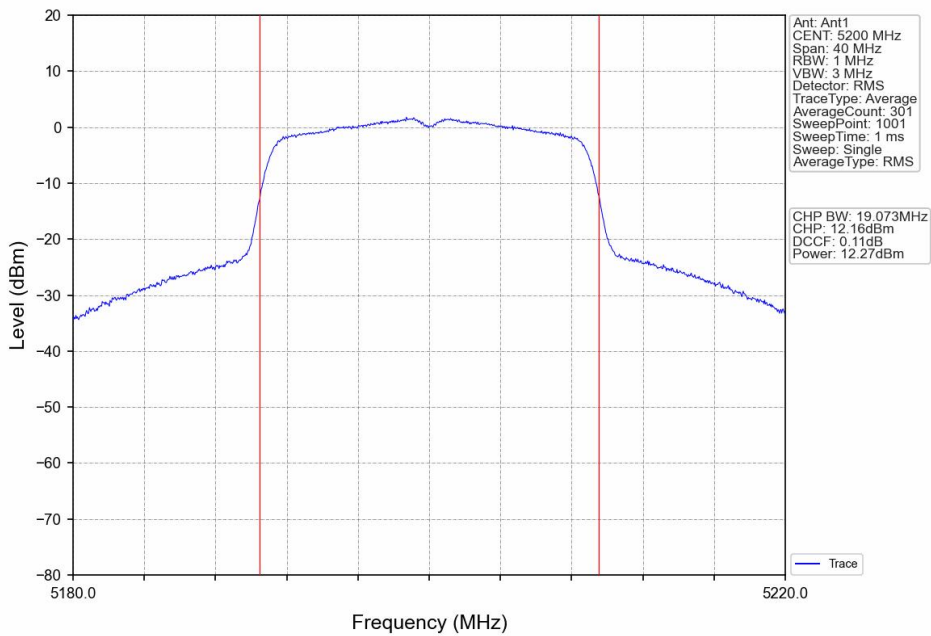
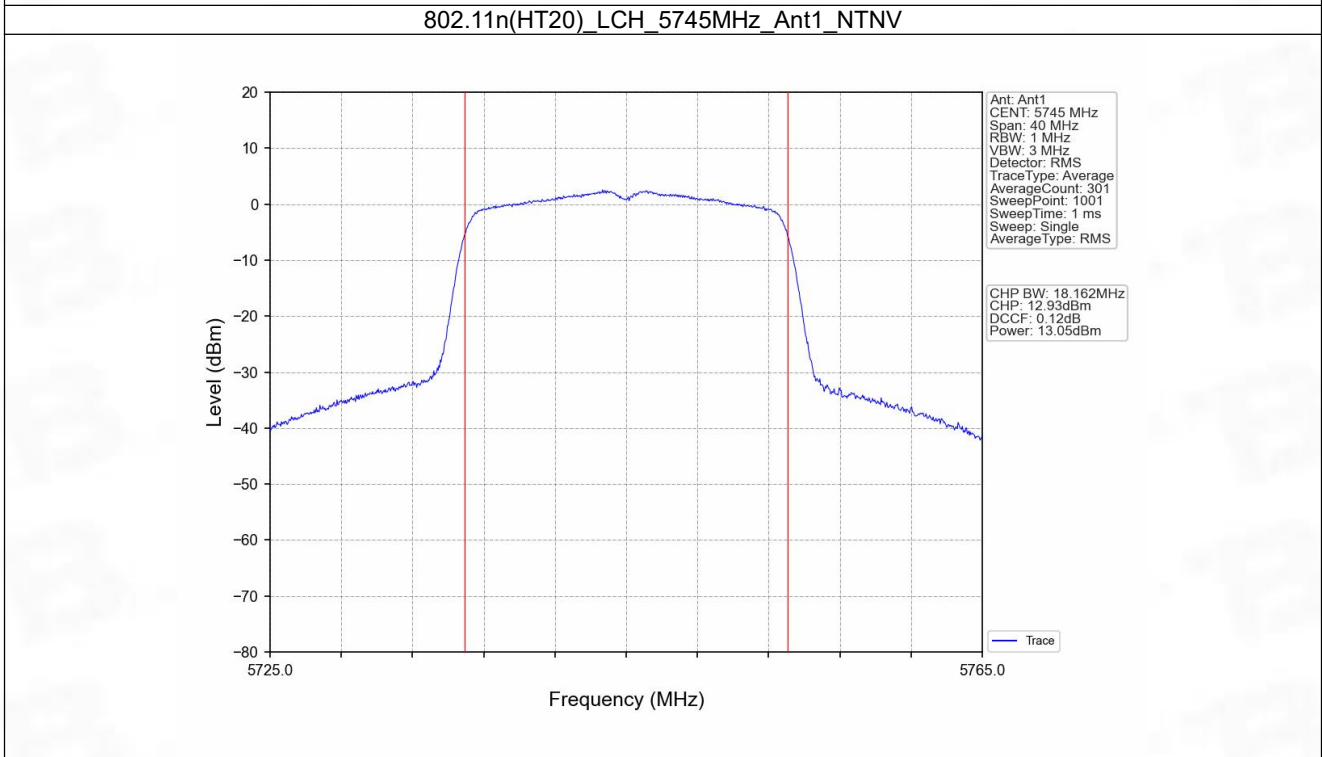
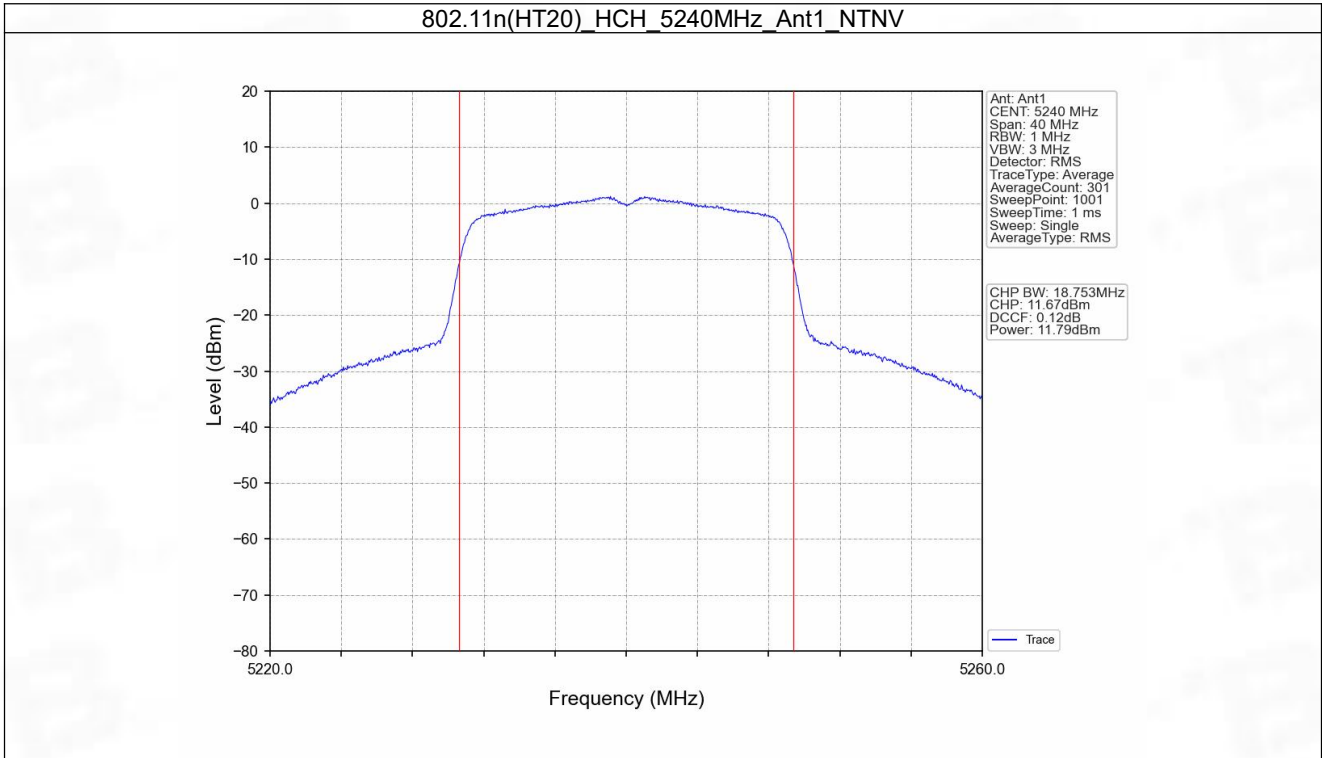


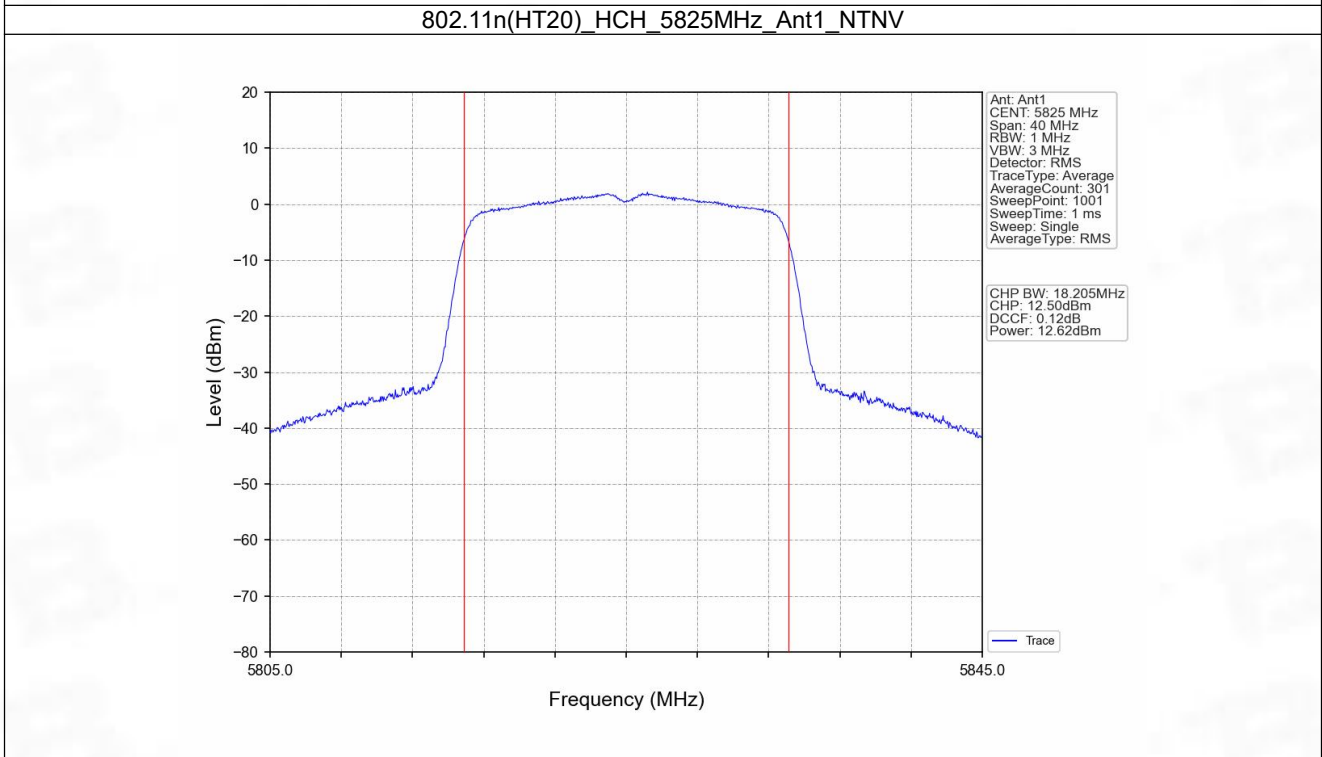
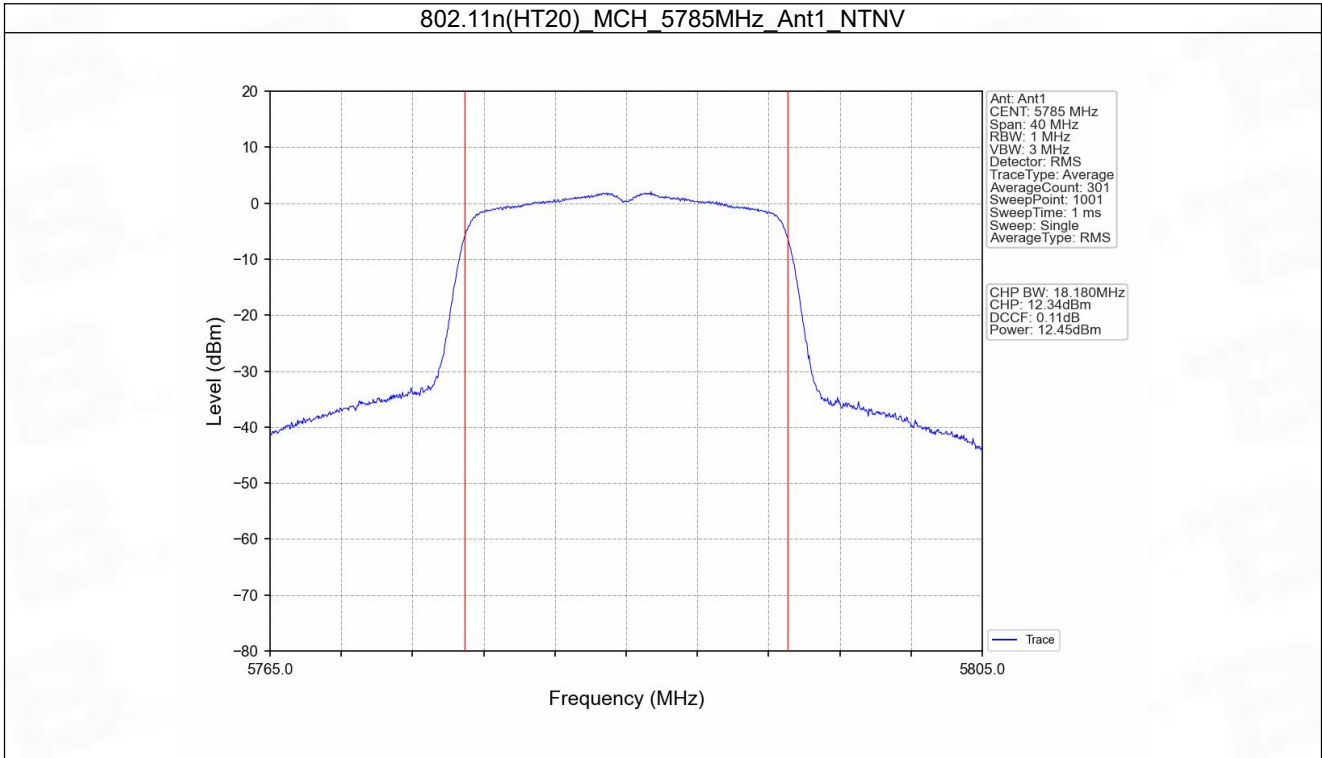
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

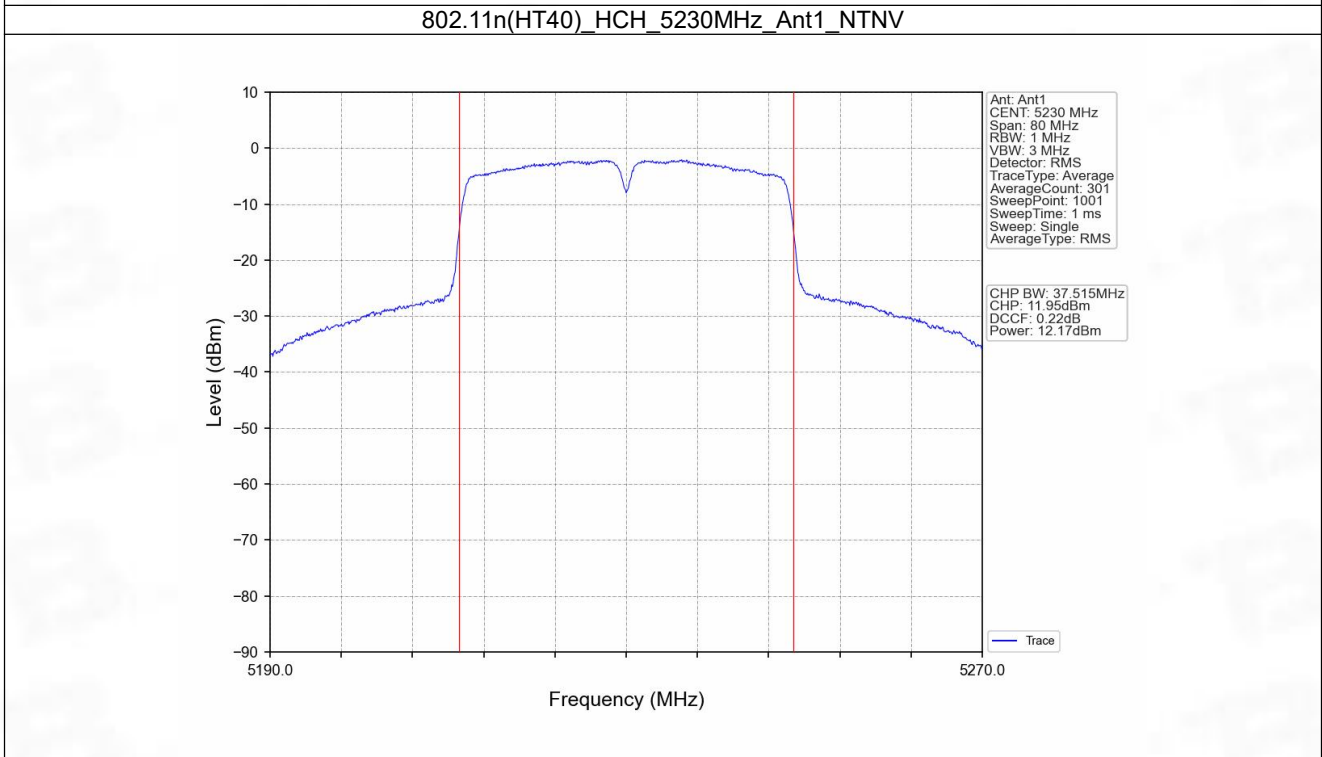
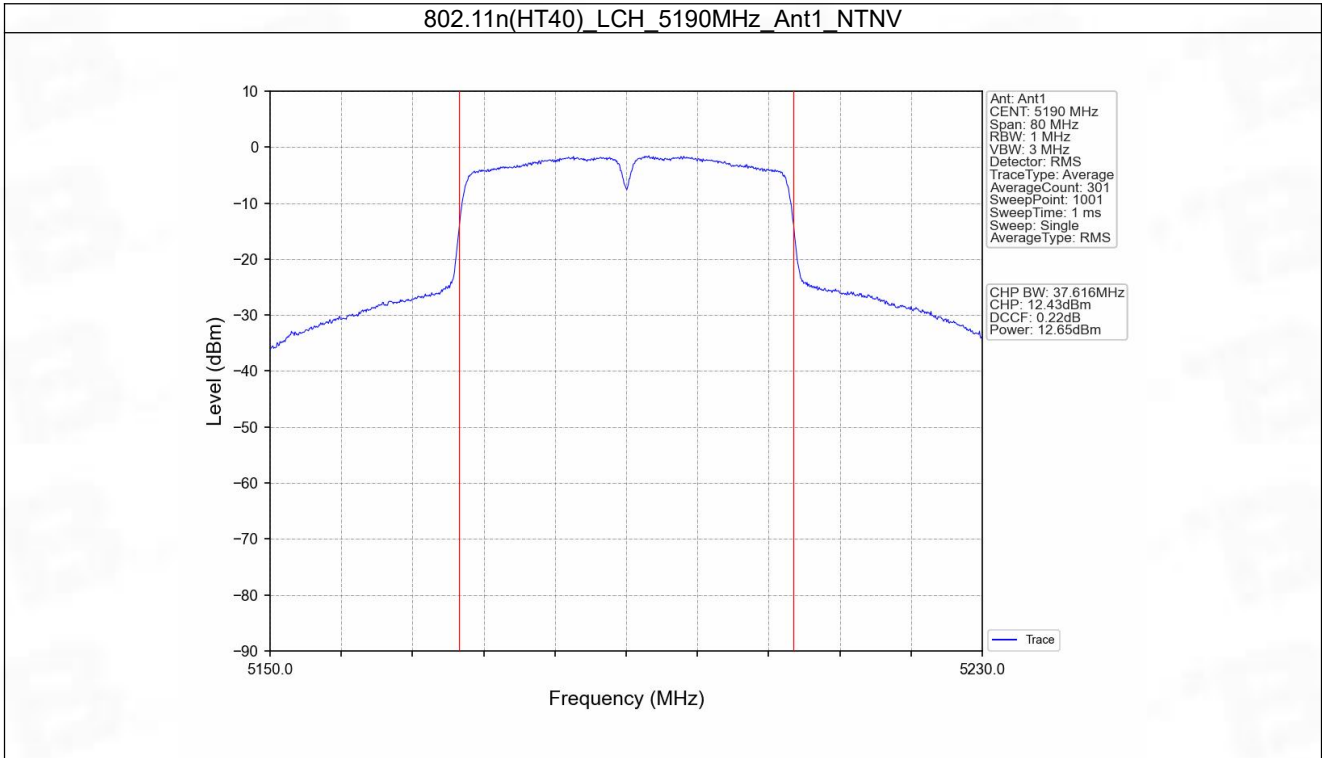


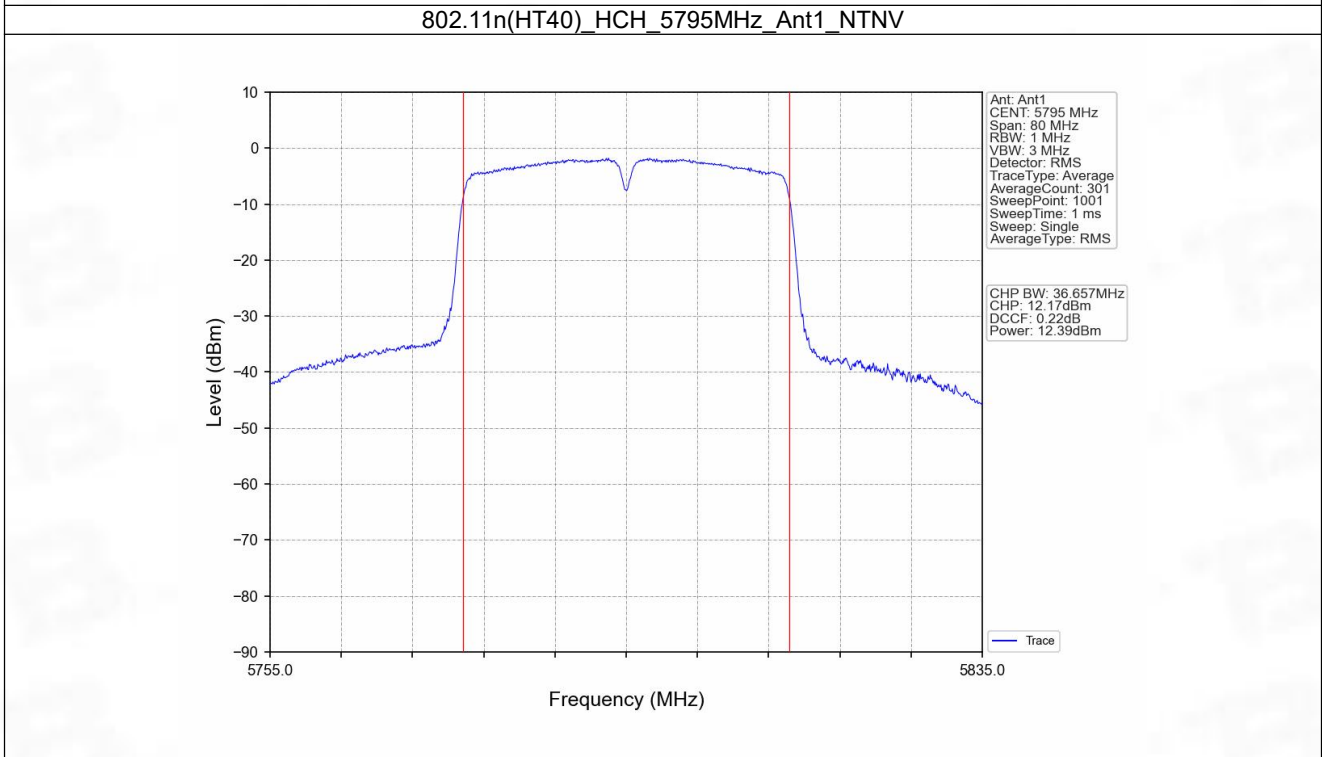
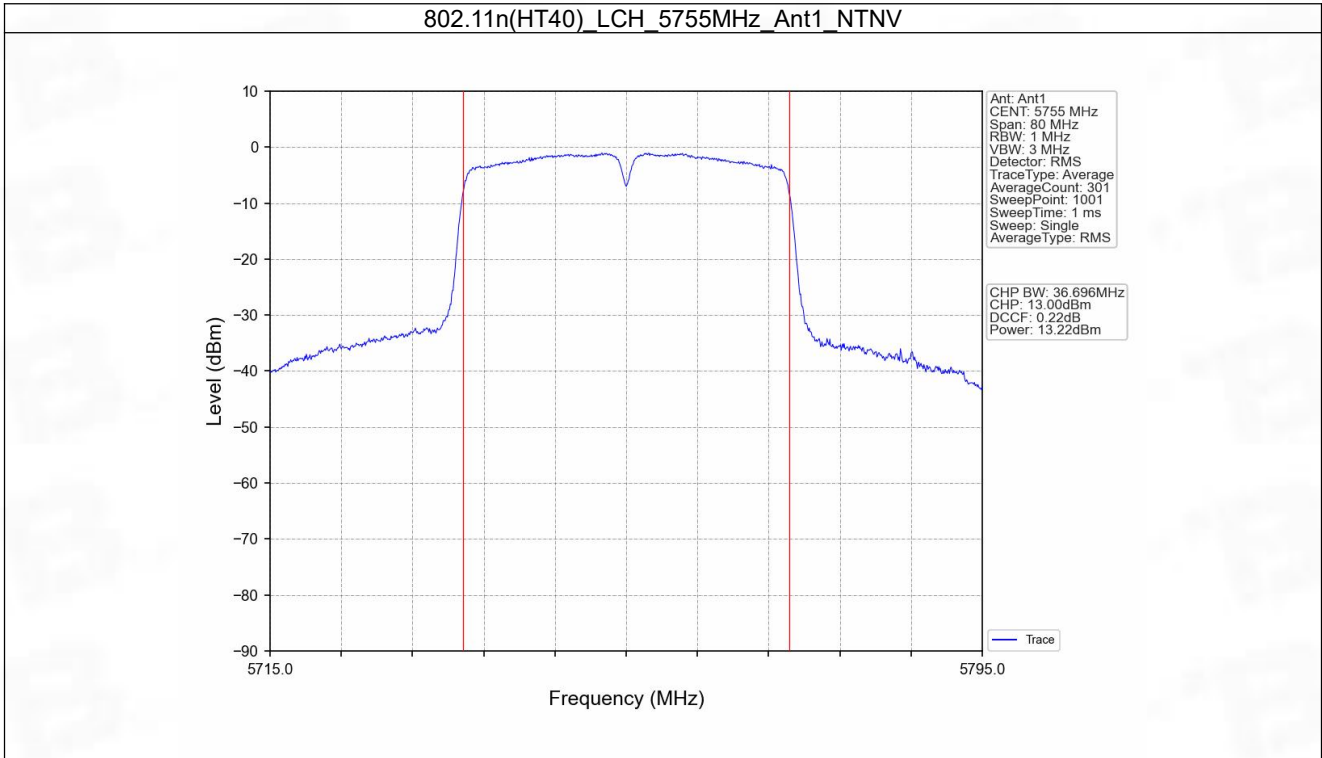
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

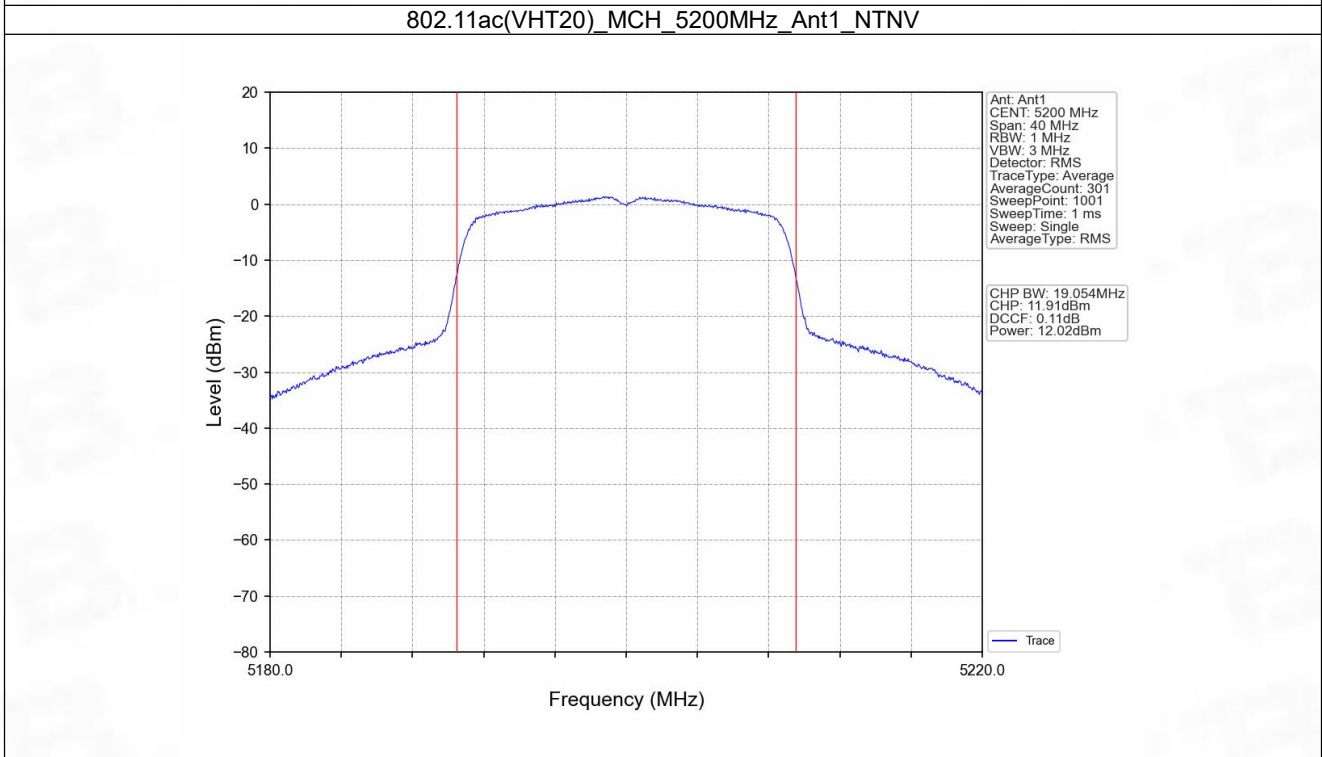
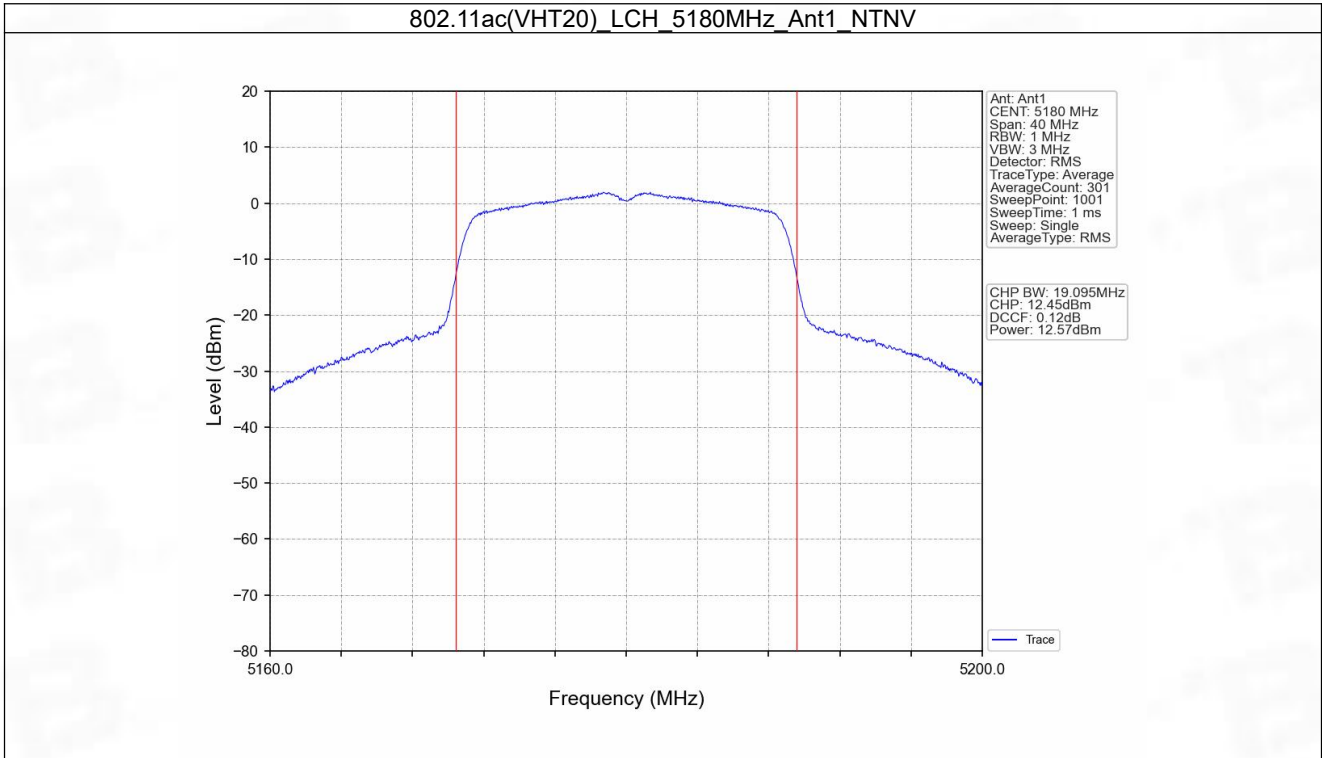




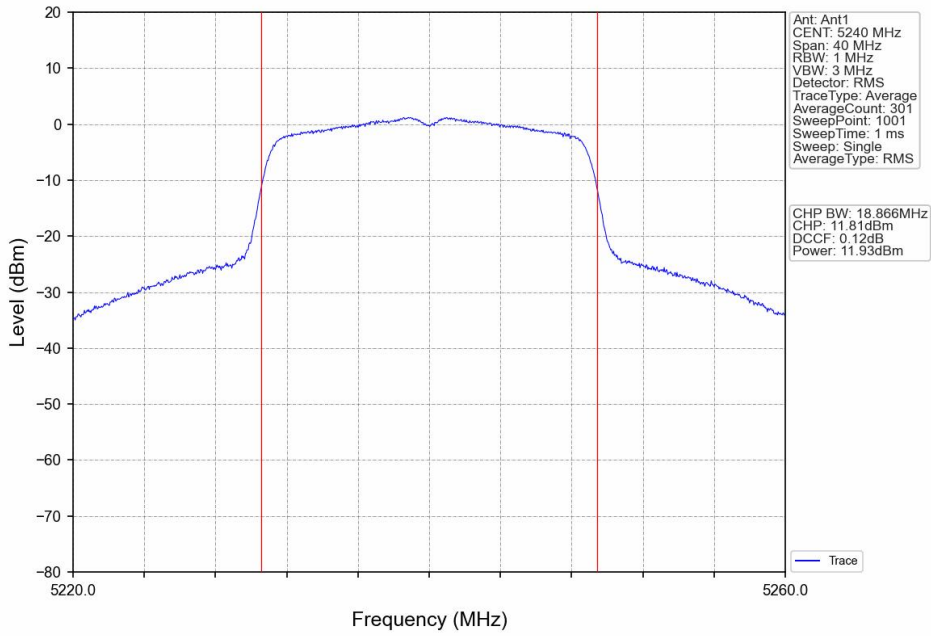




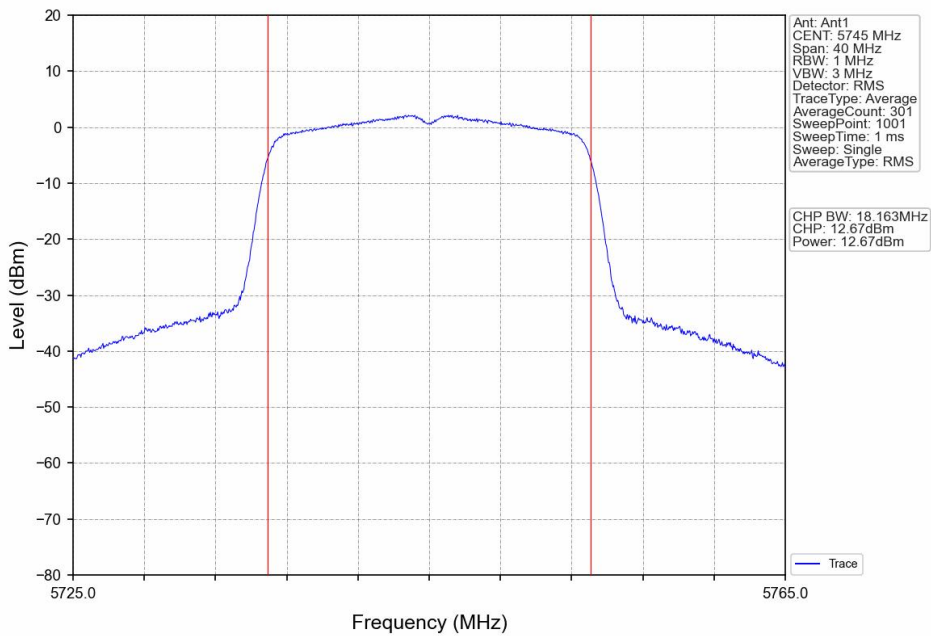


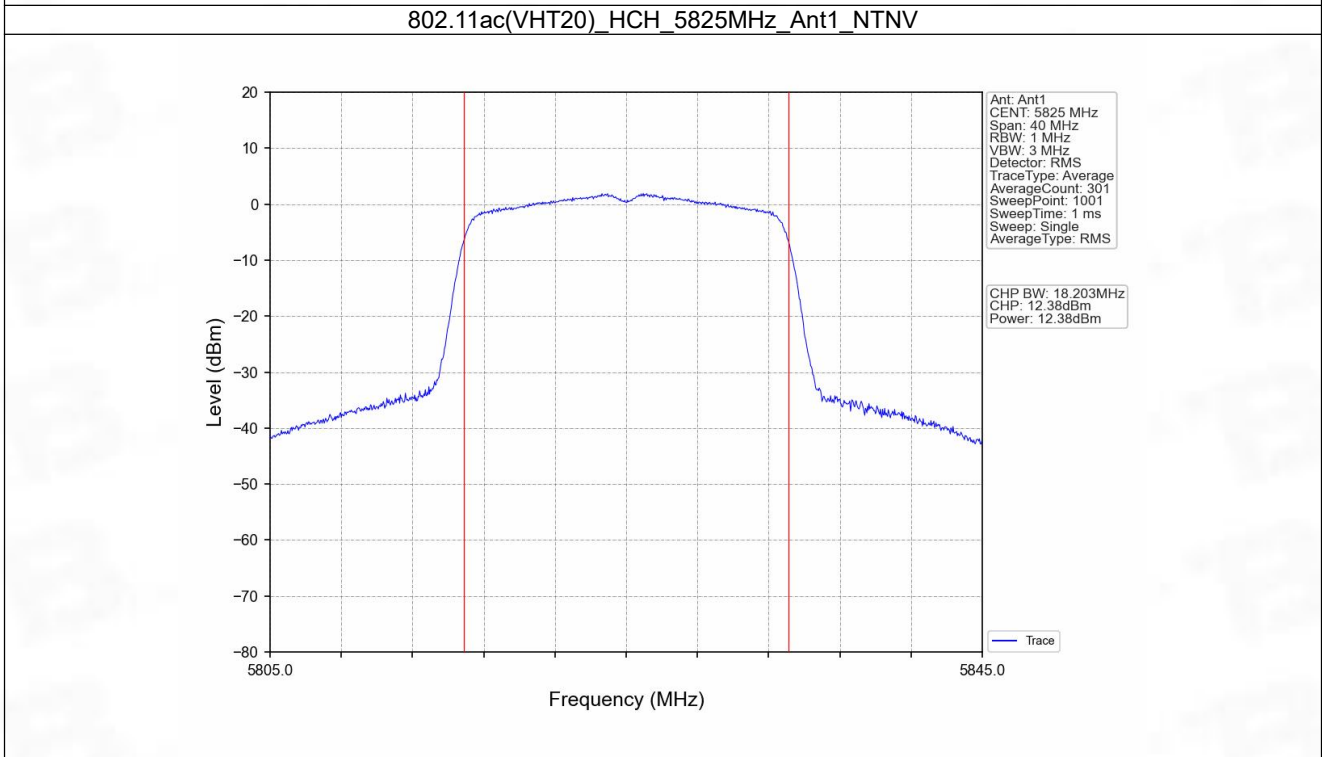
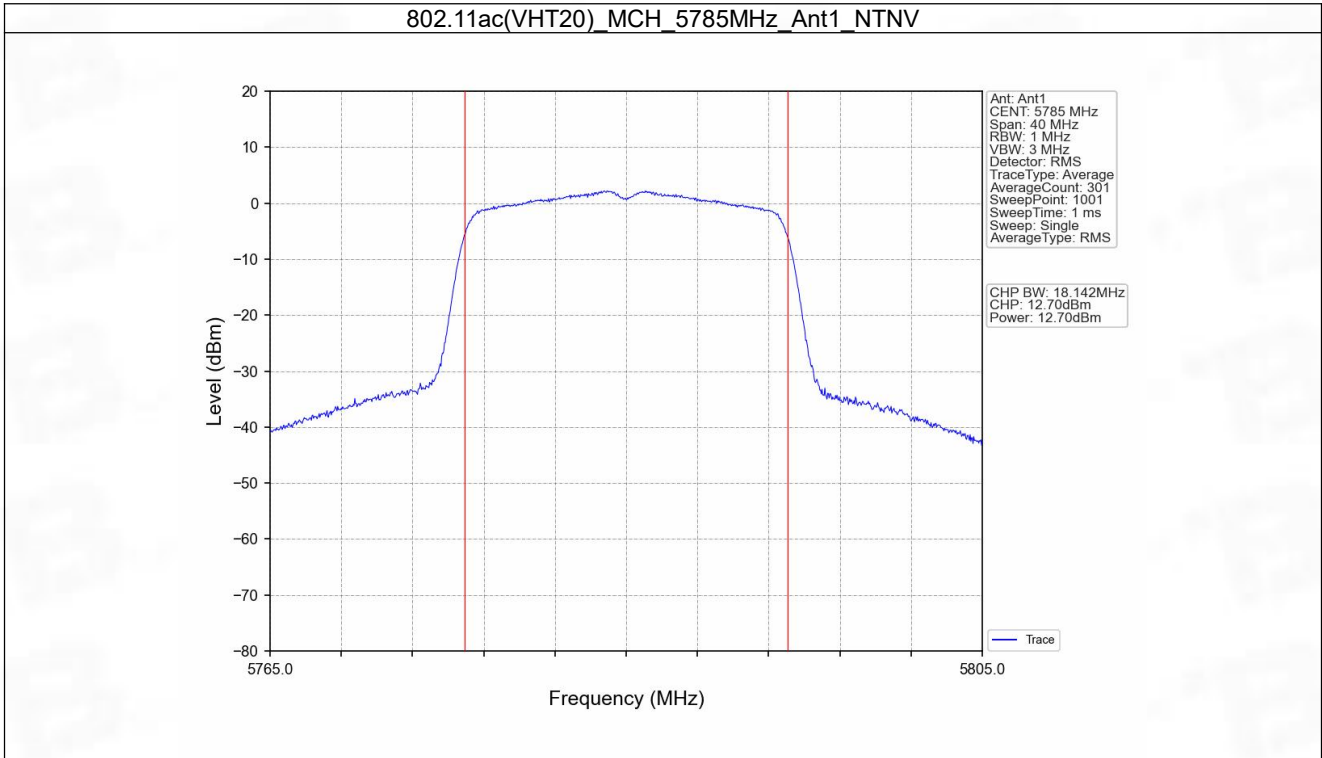


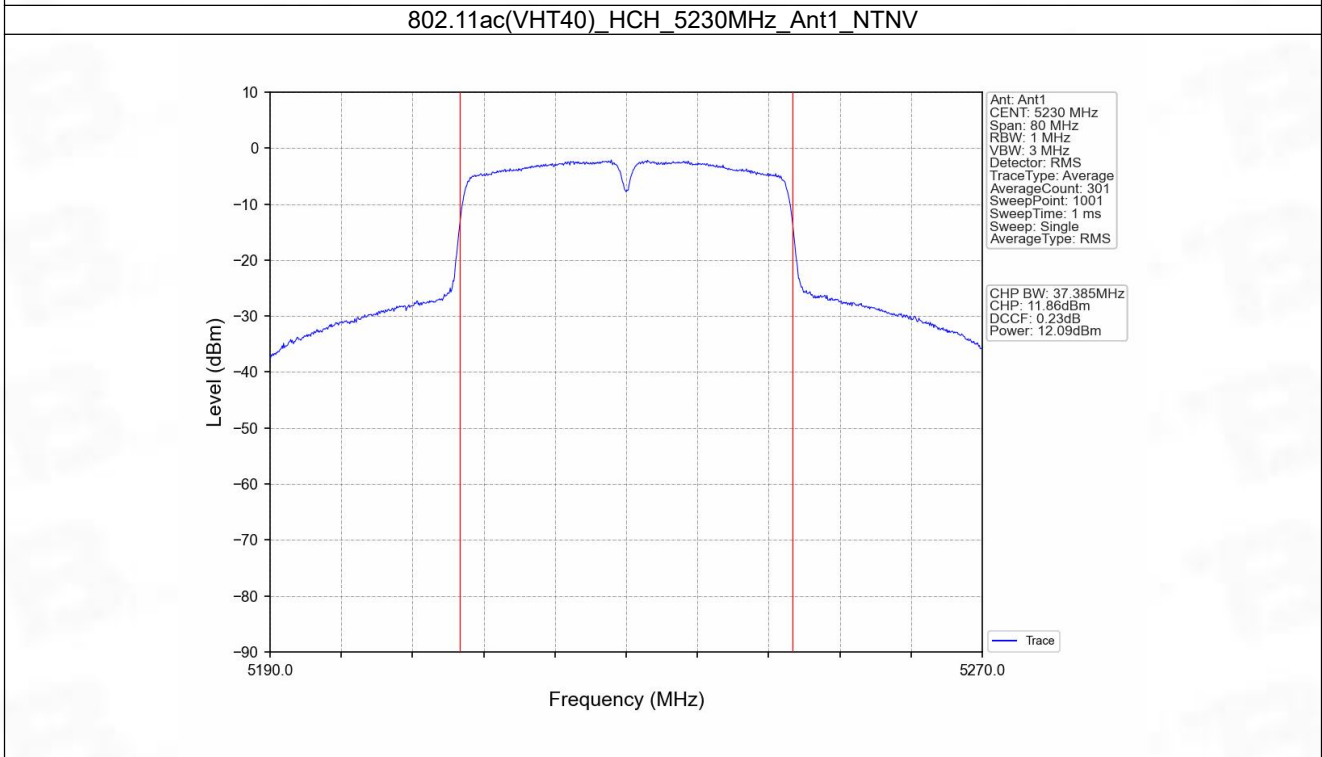
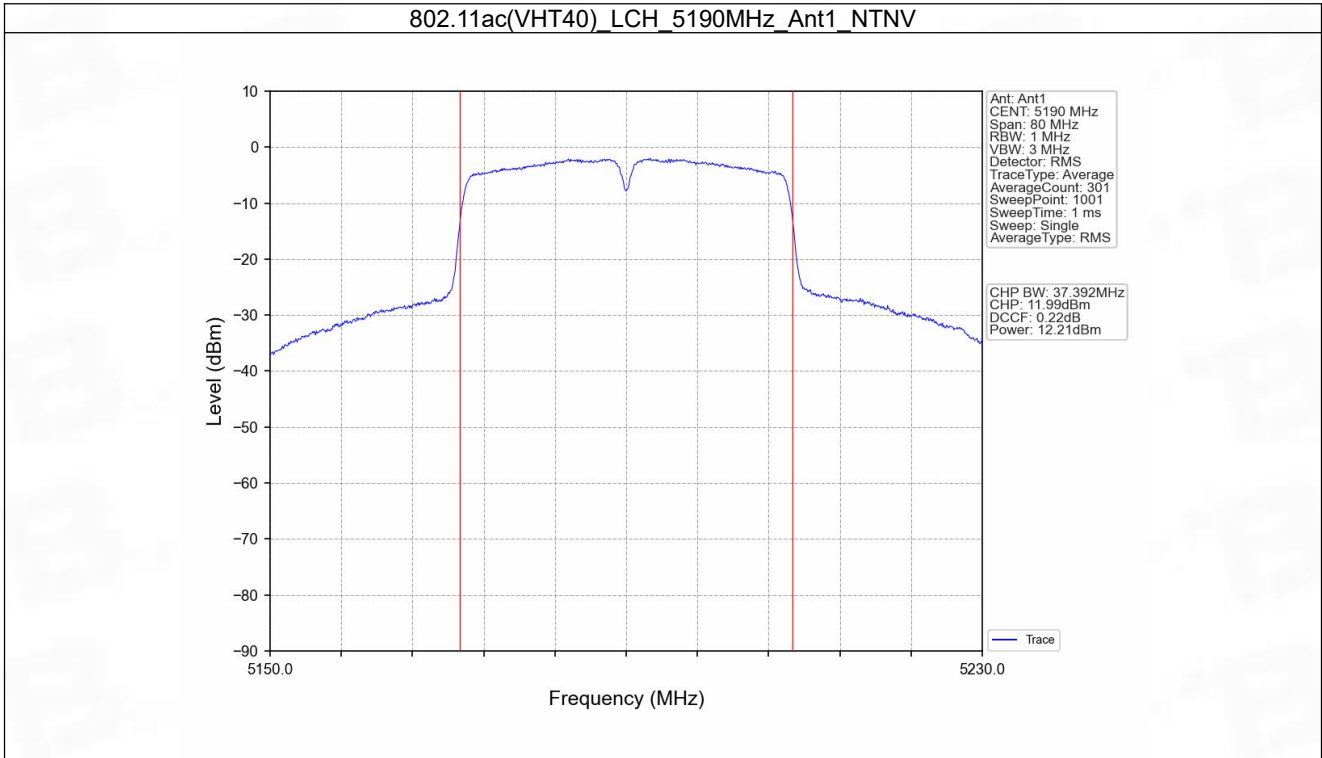
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



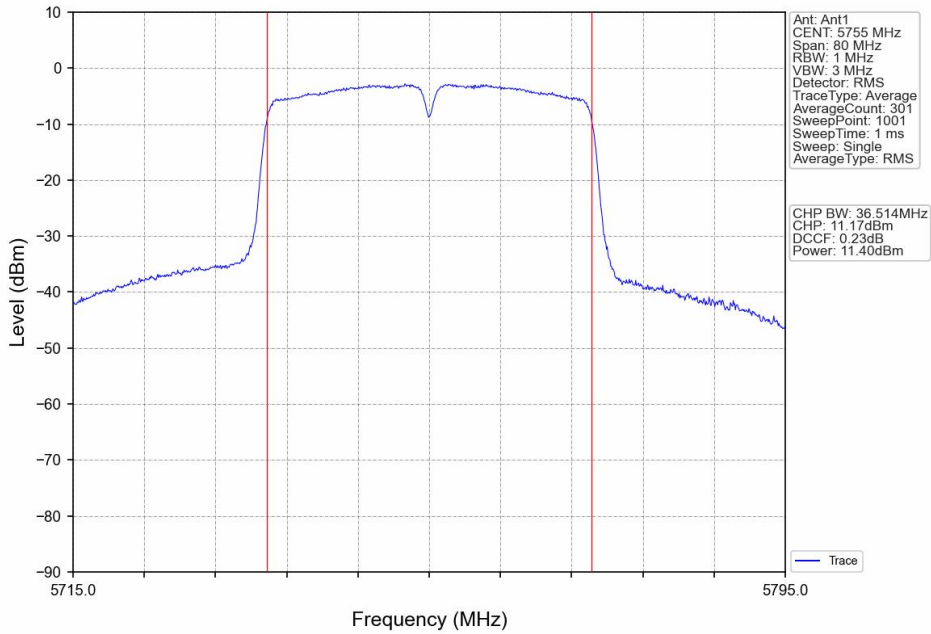
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



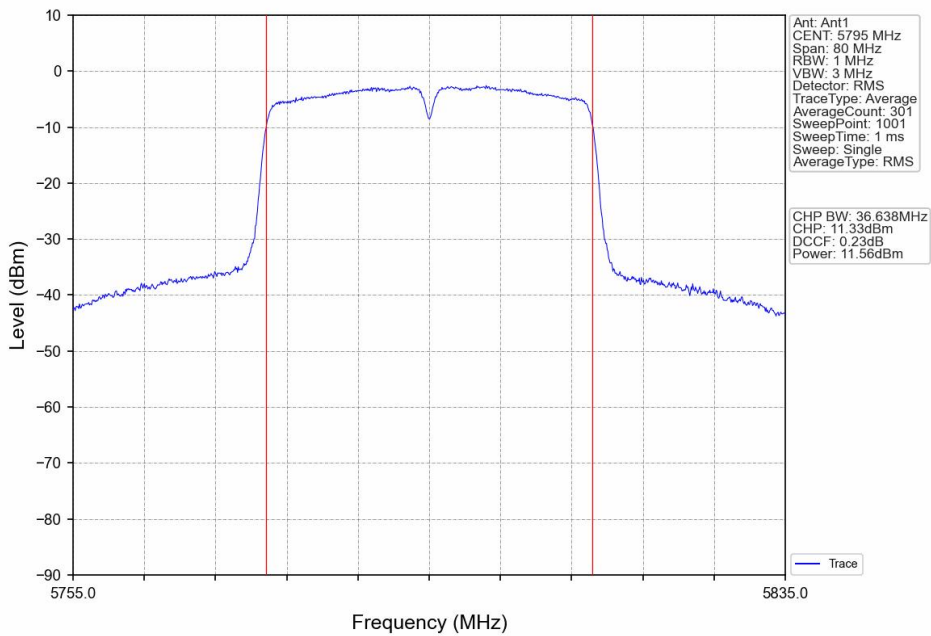




802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



4. Maximum Power Spectral Density

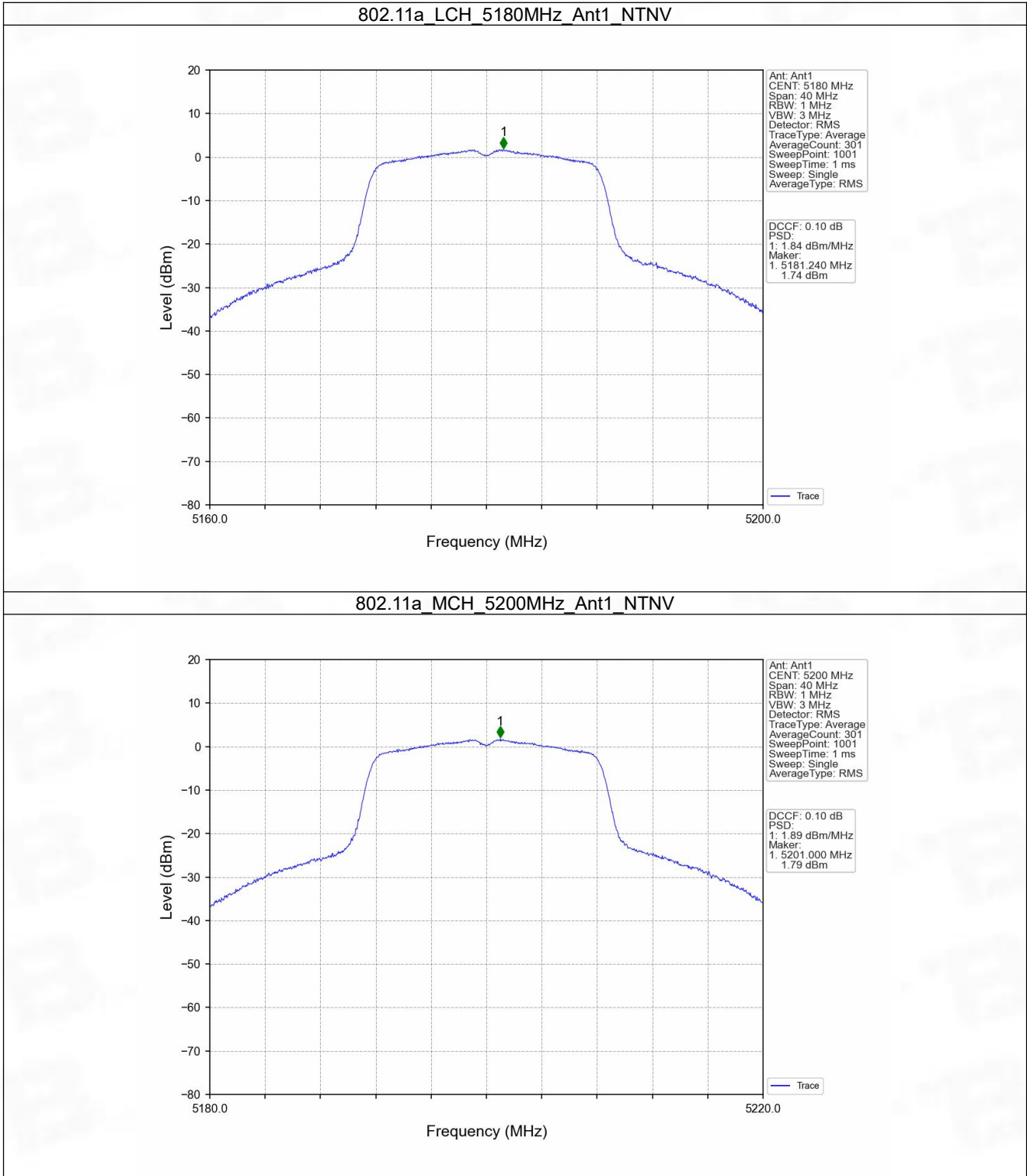
4.1 PSD

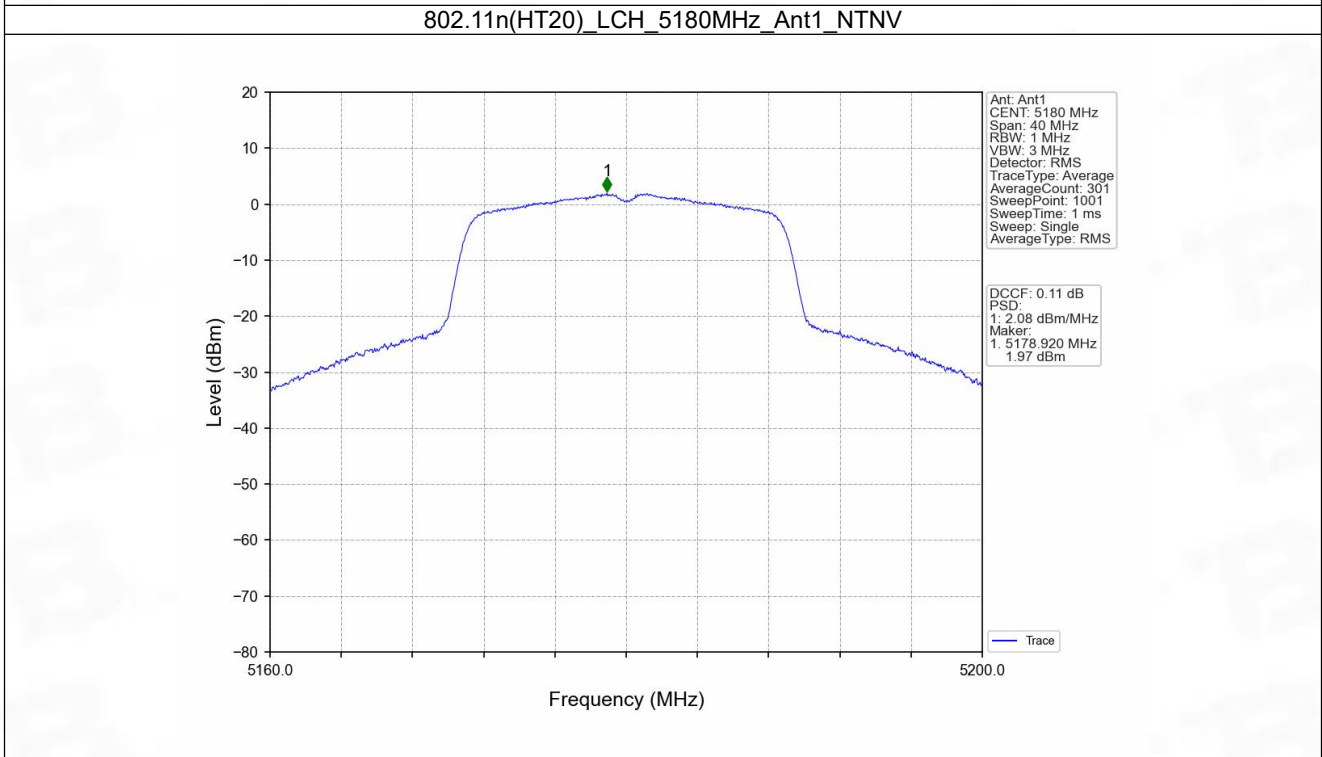
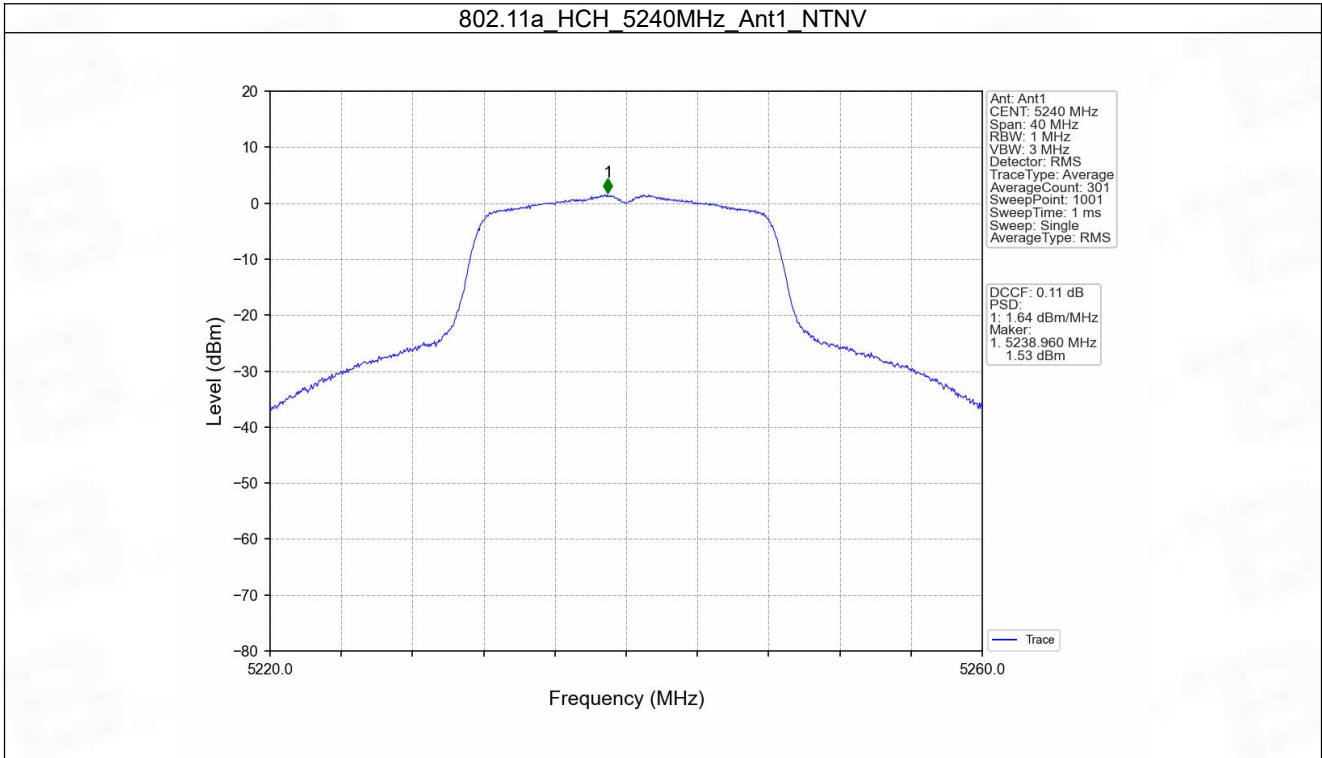
4.1.1 Test Result

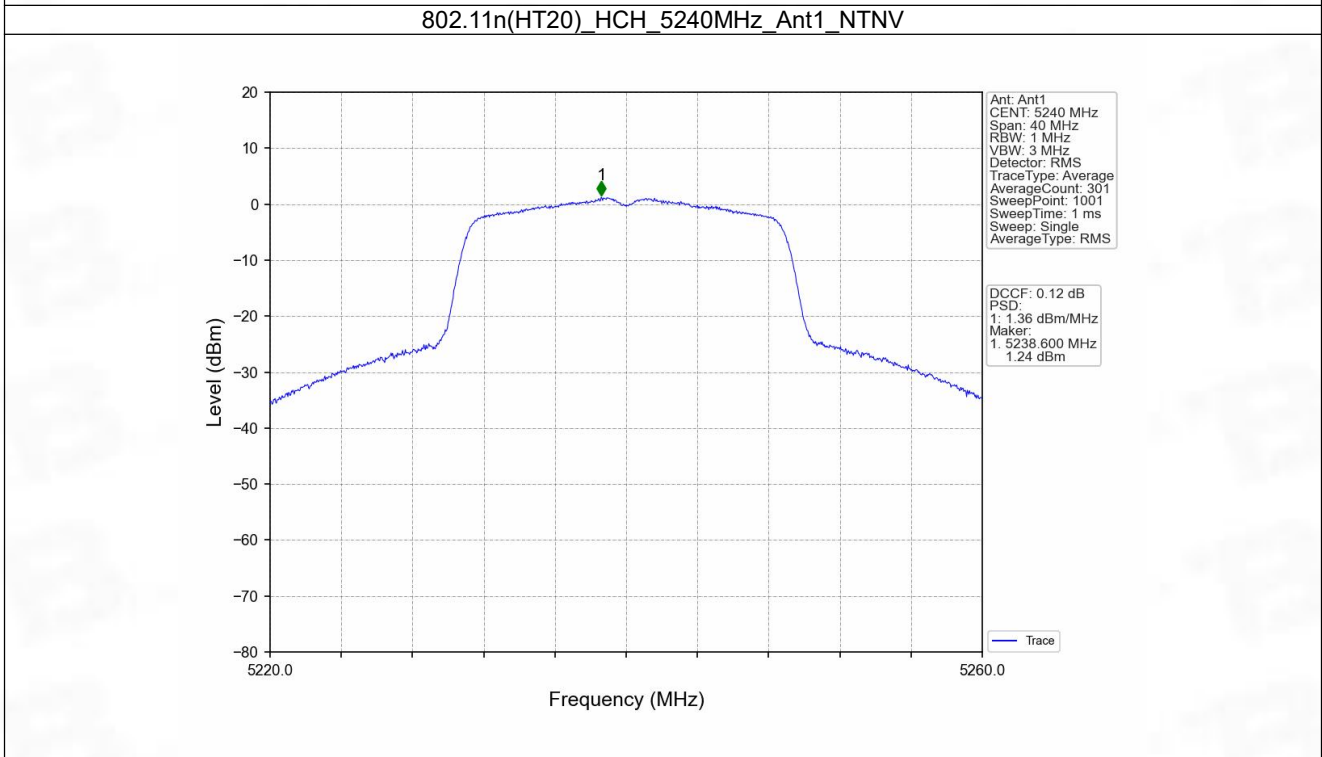
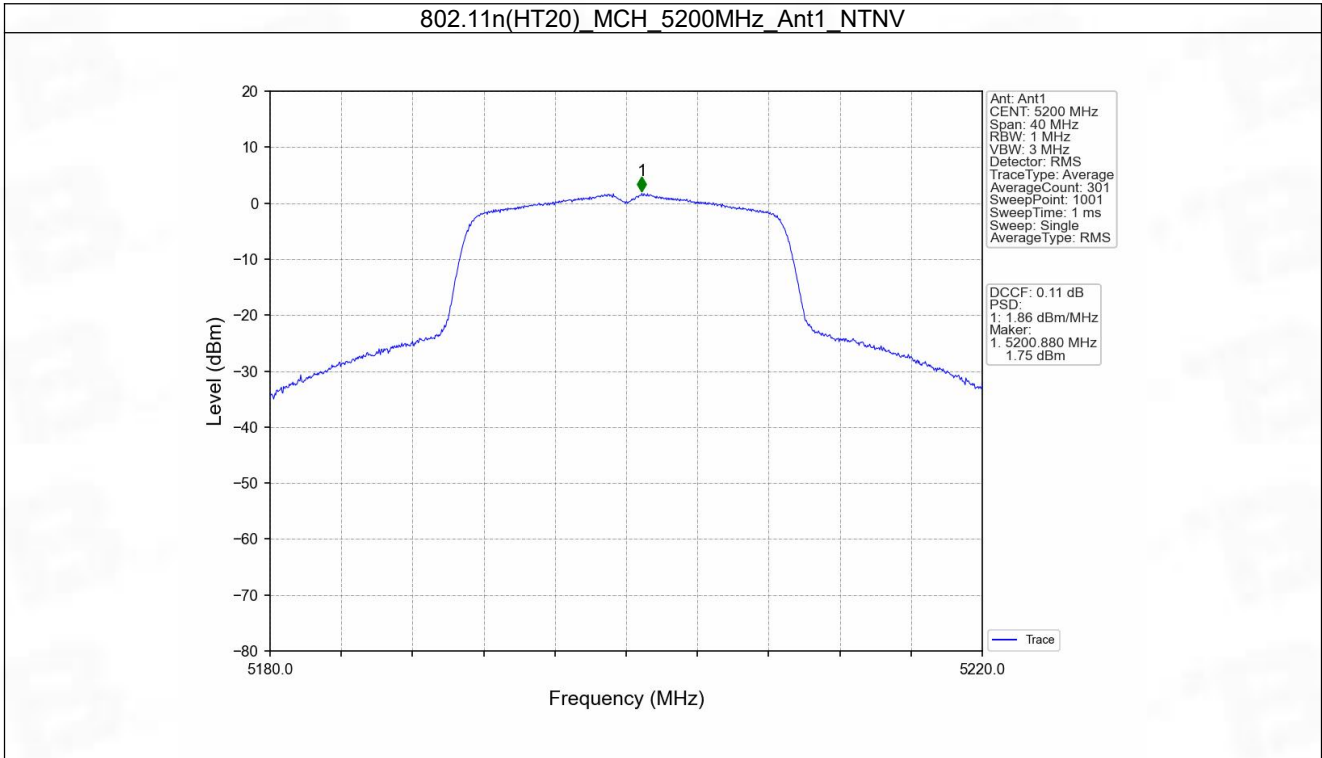
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	1.84	<=11	Pass
		5200	1.89	<=11	Pass
		5240	1.64	<=11	Pass
802.11n (HT20)	SISO	5180	2.08	<=11	Pass
		5200	1.86	<=11	Pass
		5240	1.36	<=11	Pass
802.11n (HT40)	SISO	5190	-1.30	<=11	Pass
		5230	-1.93	<=11	Pass
802.11ac (VHT20)	SISO	5180	2.08	<=11	Pass
		5200	1.43	<=11	Pass
		5240	1.50	<=11	Pass
802.11ac (VHT40)	SISO	5190	-1.64	<=11	Pass
		5230	-2.00	<=11	Pass

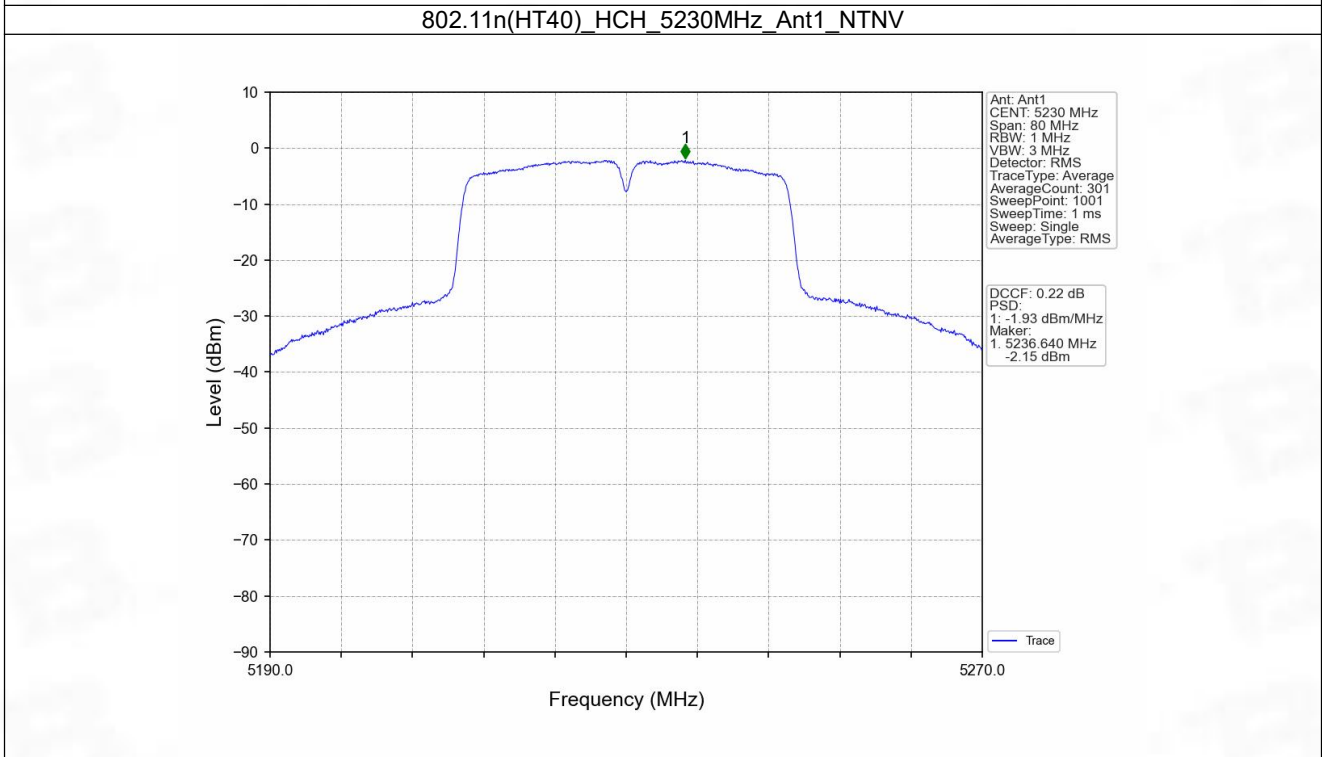
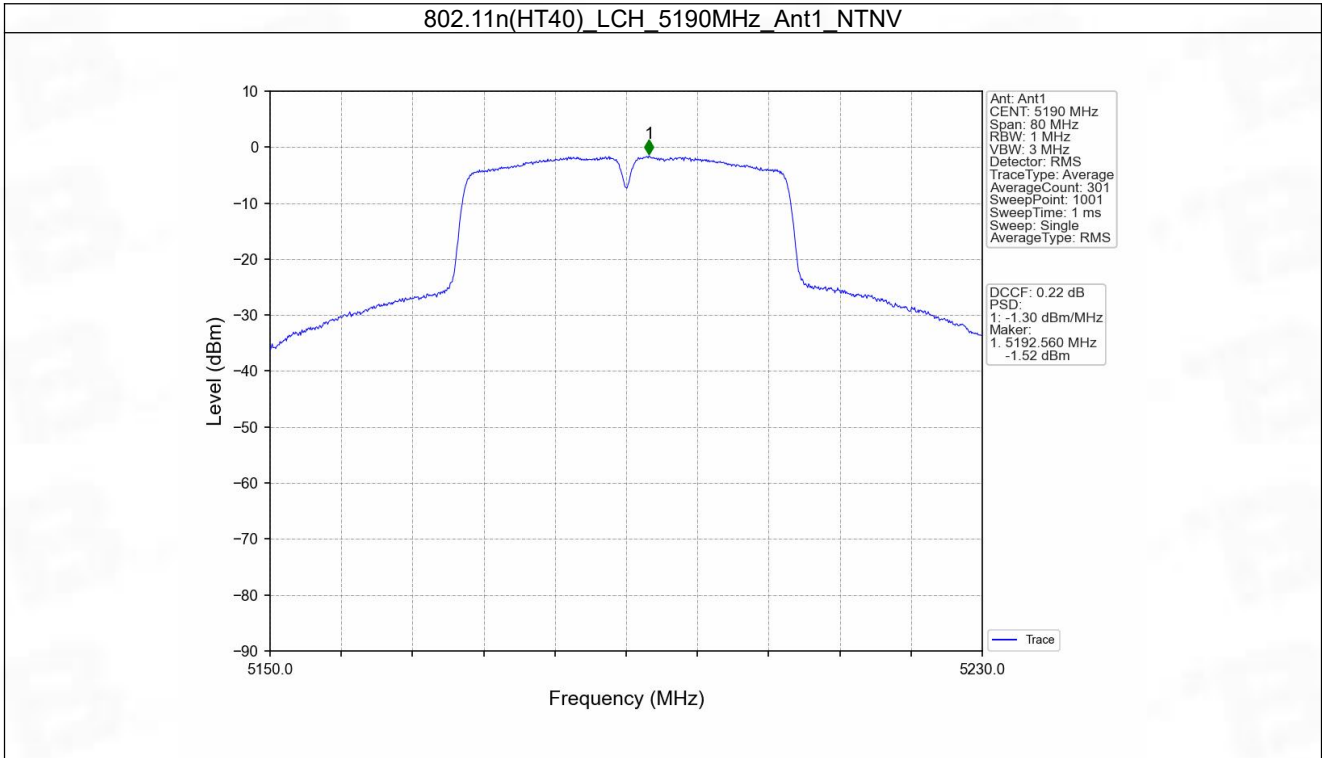
Note1: Antenna Gain: Ant1: 0.95dBi;

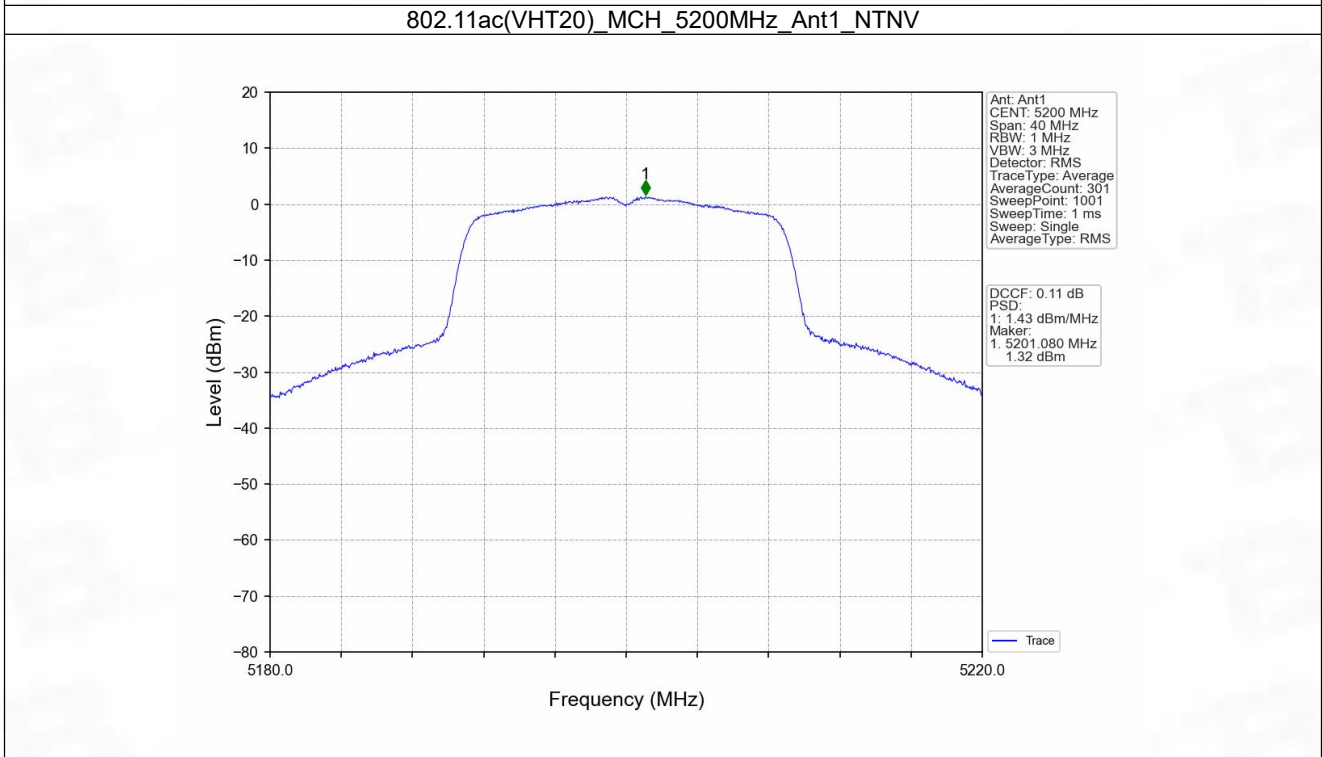
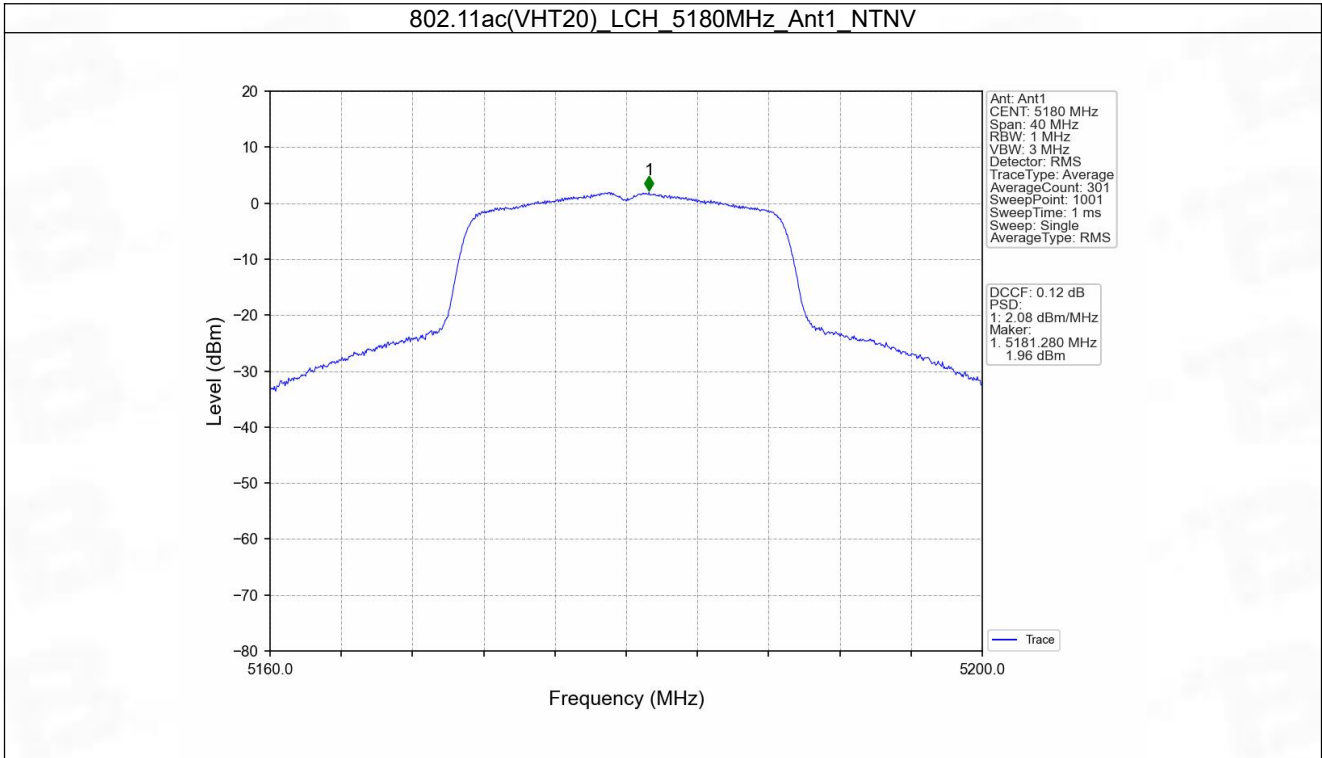
4.1.2 Test Graph

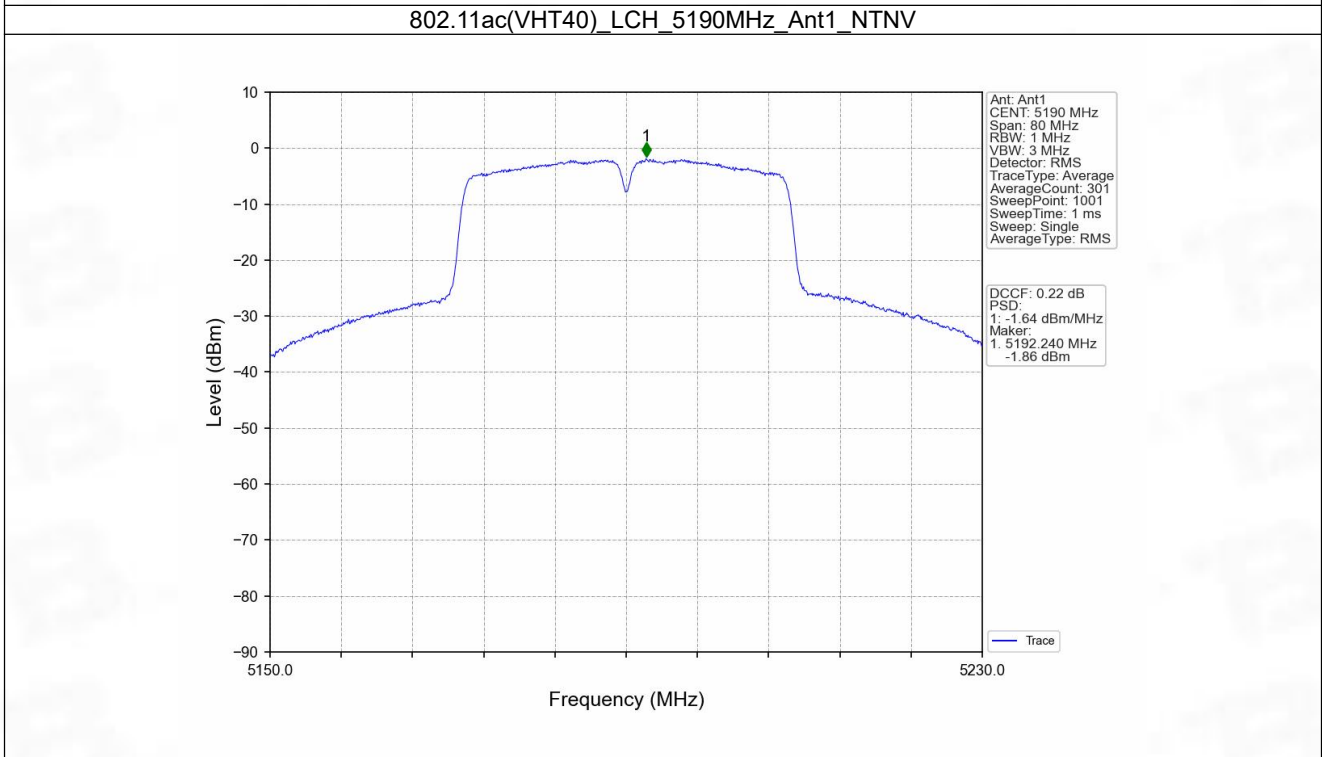
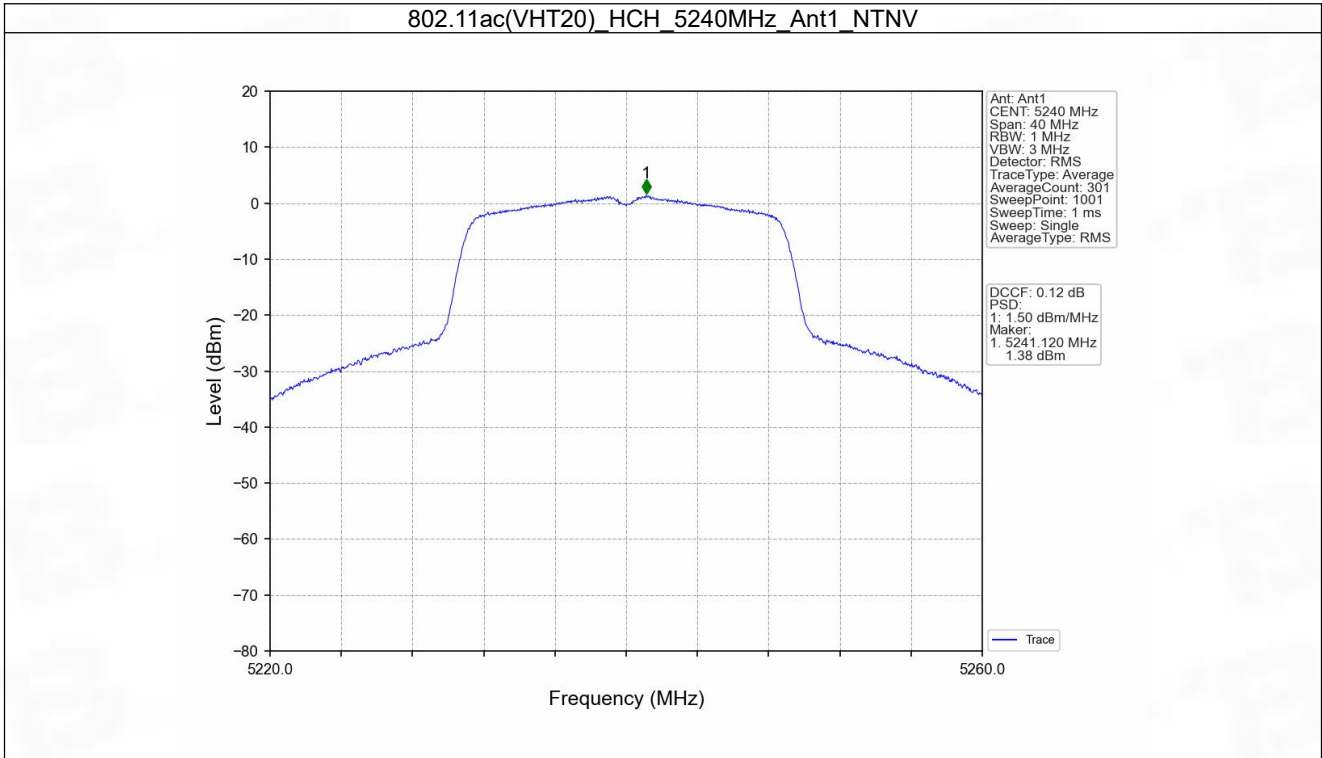


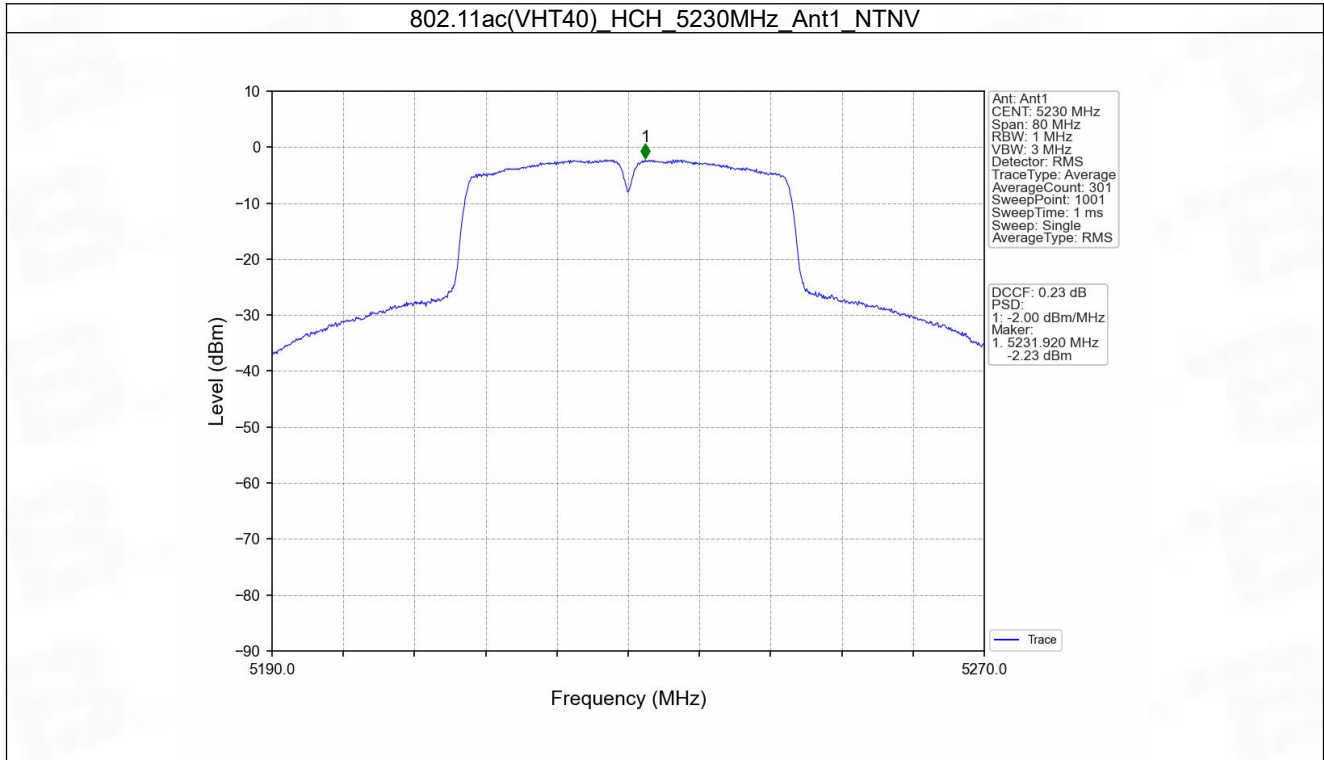












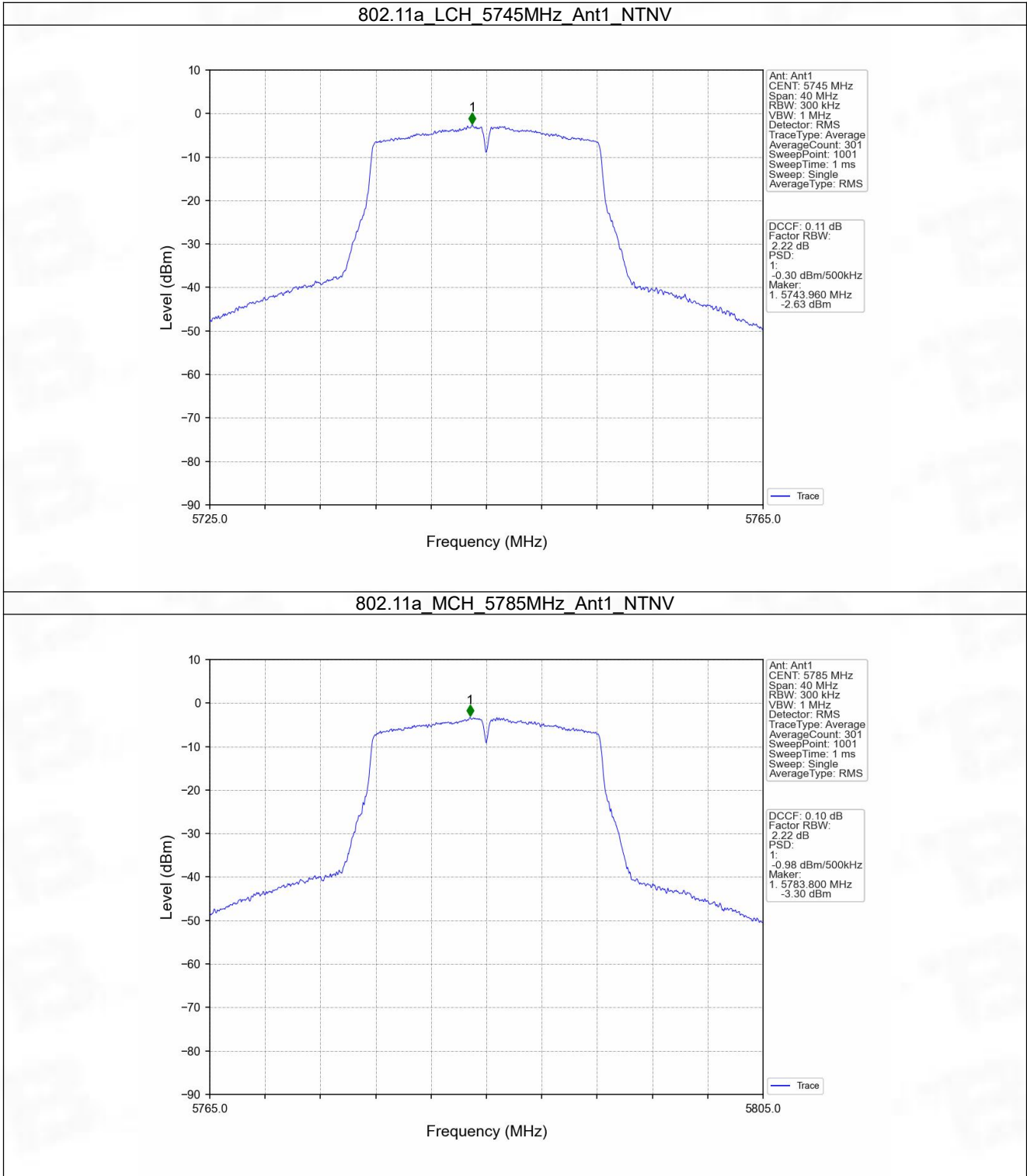
4.2 PSD-Band3

4.2.1 Test Result

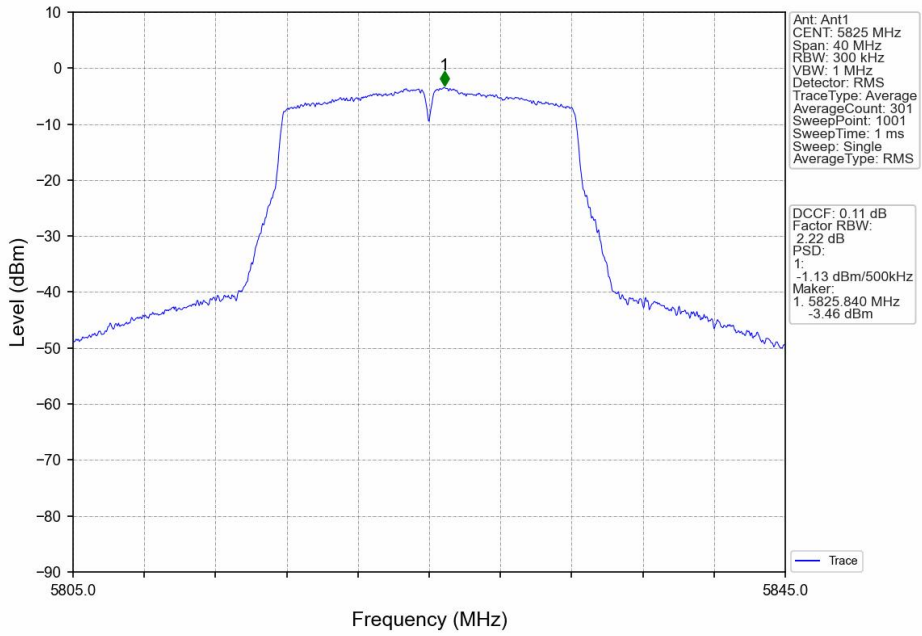
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-0.30	<=30	Pass
		5785	-0.98	<=30	Pass
		5825	-1.13	<=30	Pass
802.11n (HT20)	SISO	5745	-0.19	<=30	Pass
		5785	-0.92	<=30	Pass
		5825	-0.83	<=30	Pass
802.11n (HT40)	SISO	5755	-3.77	<=30	Pass
		5795	-4.54	<=30	Pass
802.11ac (VHT20)	SISO	5745	-0.06	<=30	Pass
		5785	-0.70	<=30	Pass
		5825	-0.74	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.40	<=30	Pass
		5795	-5.14	<=30	Pass

Note1: Antenna Gain: Ant1: 0.95dBi;

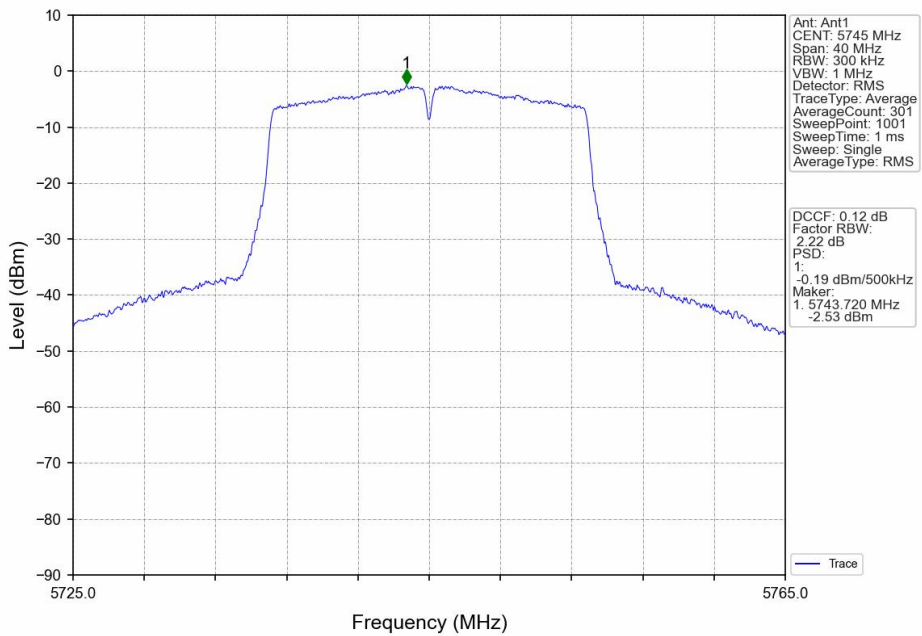
4.2.2 Test Graph



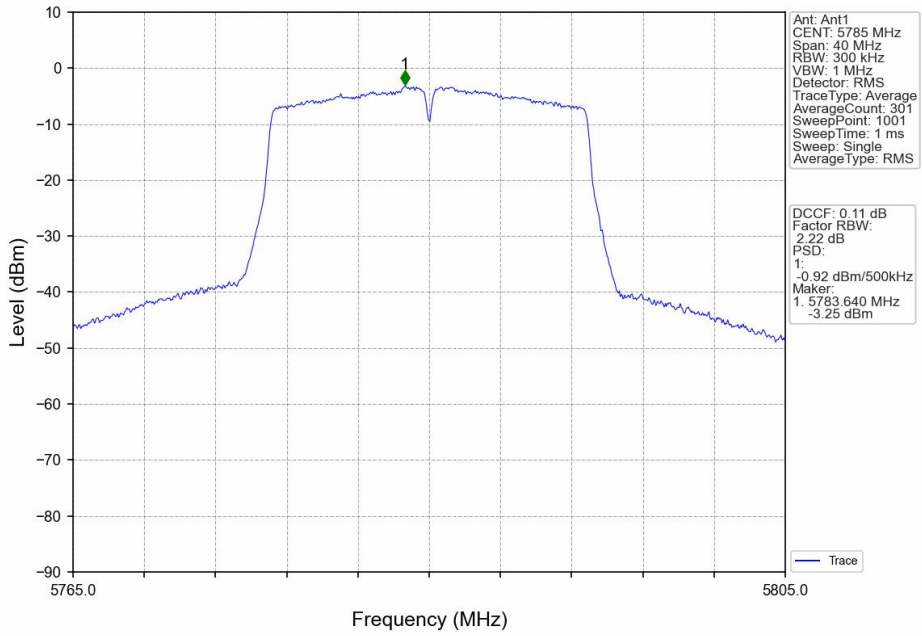
802.11a_HCH_5825MHz_Ant1_NTNV



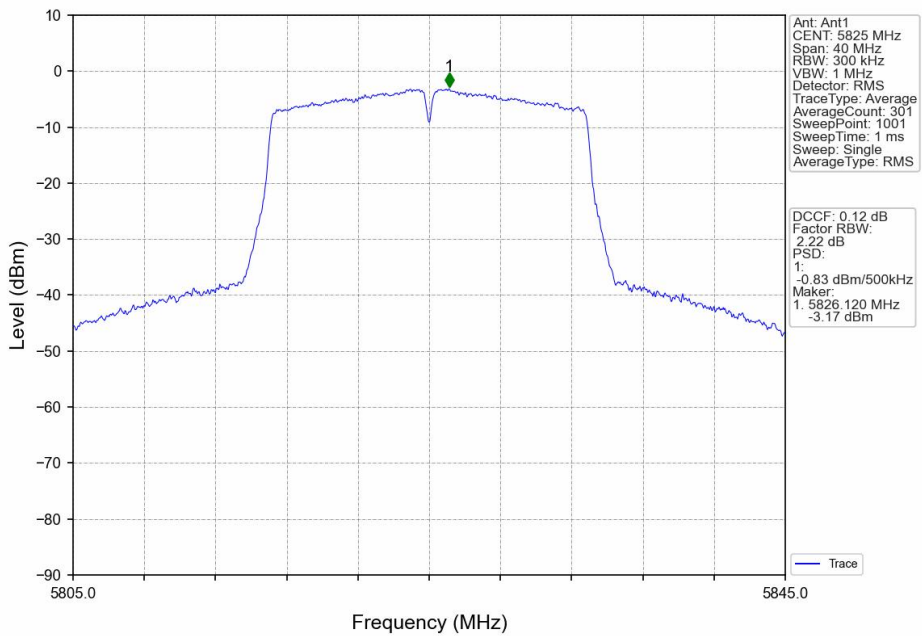
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



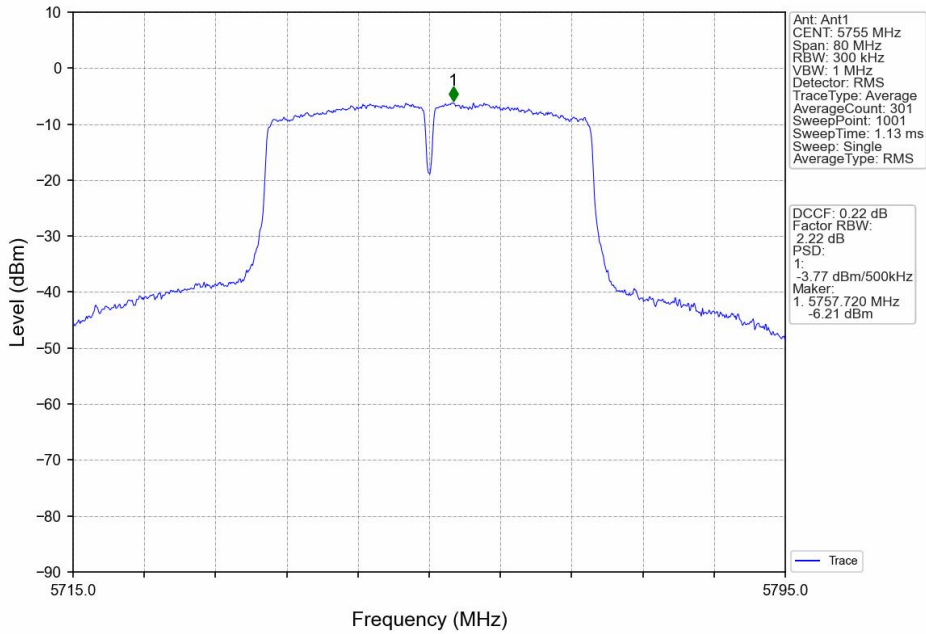
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



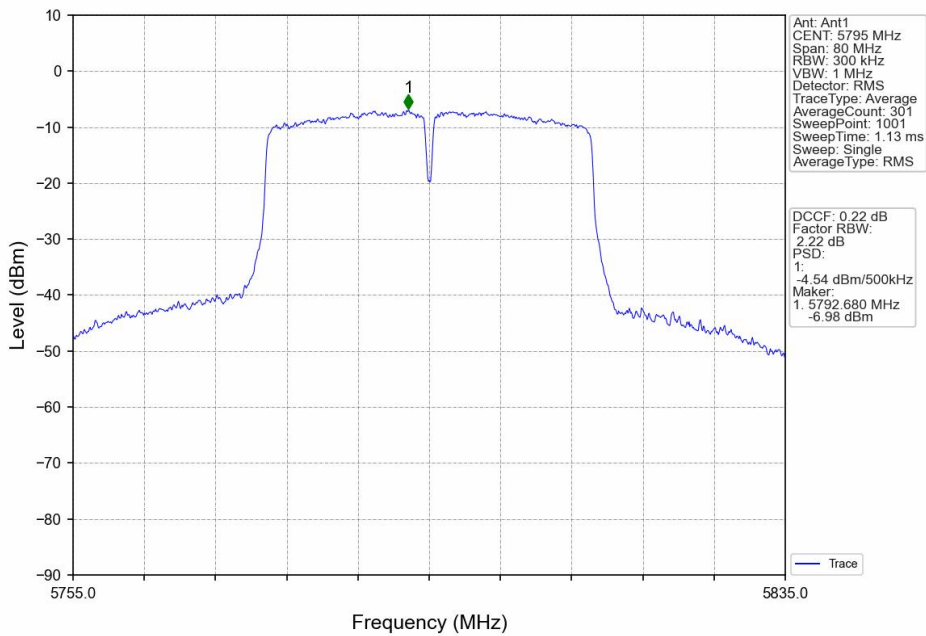
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



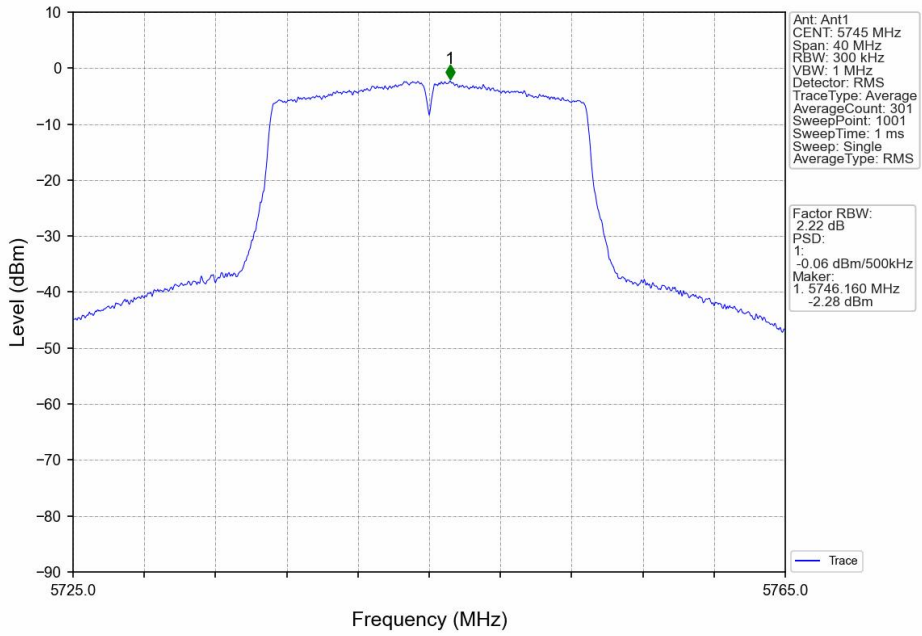
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



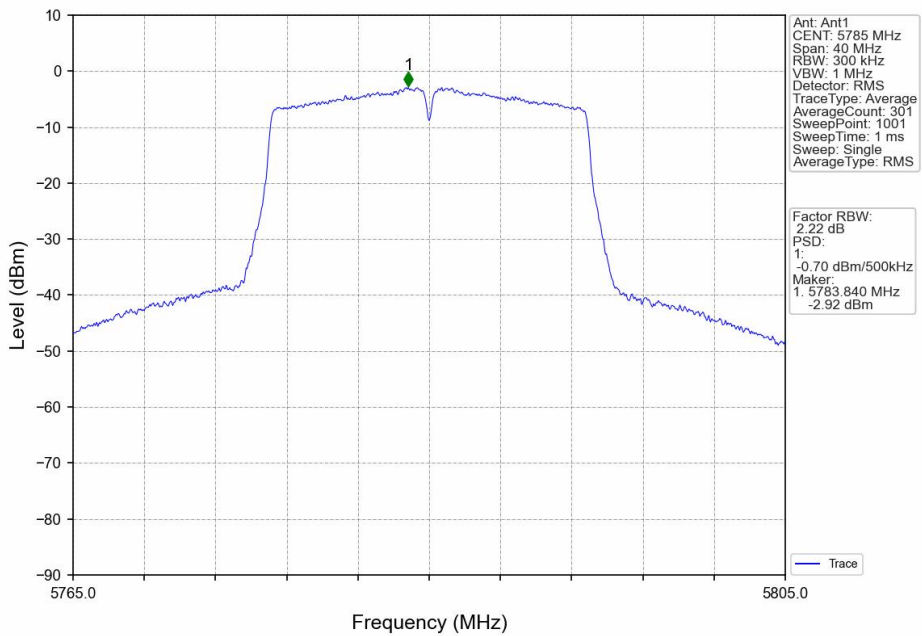
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



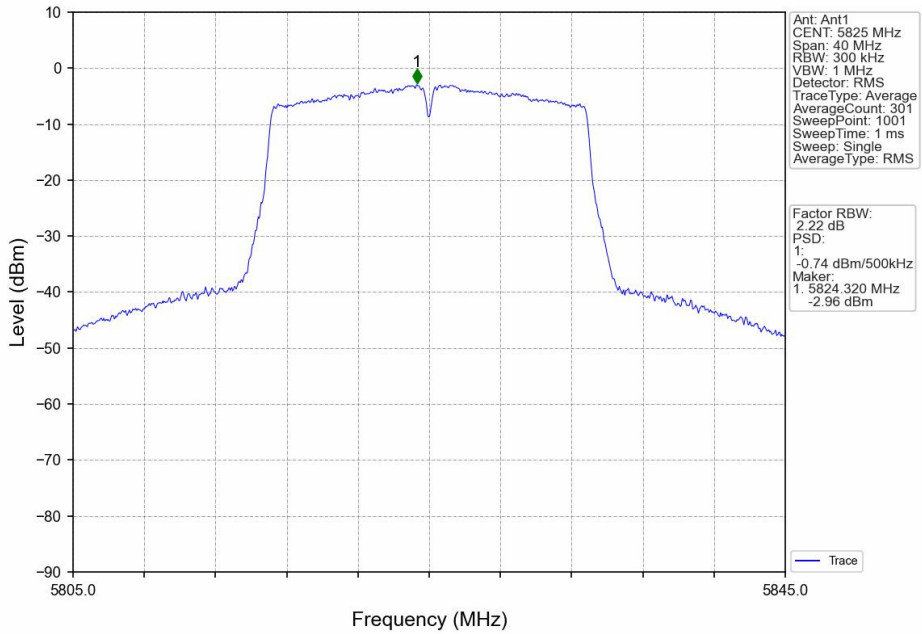
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



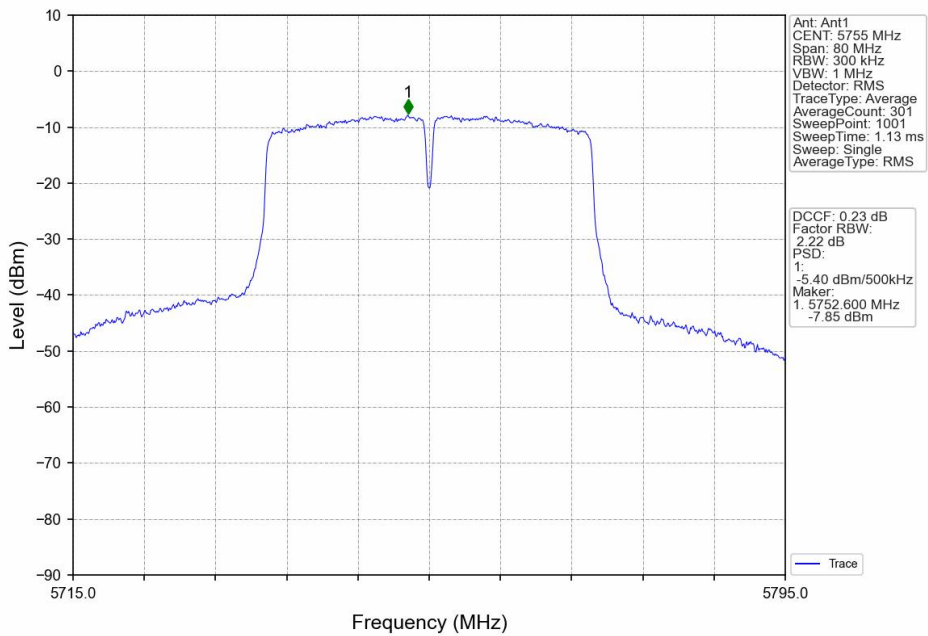
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

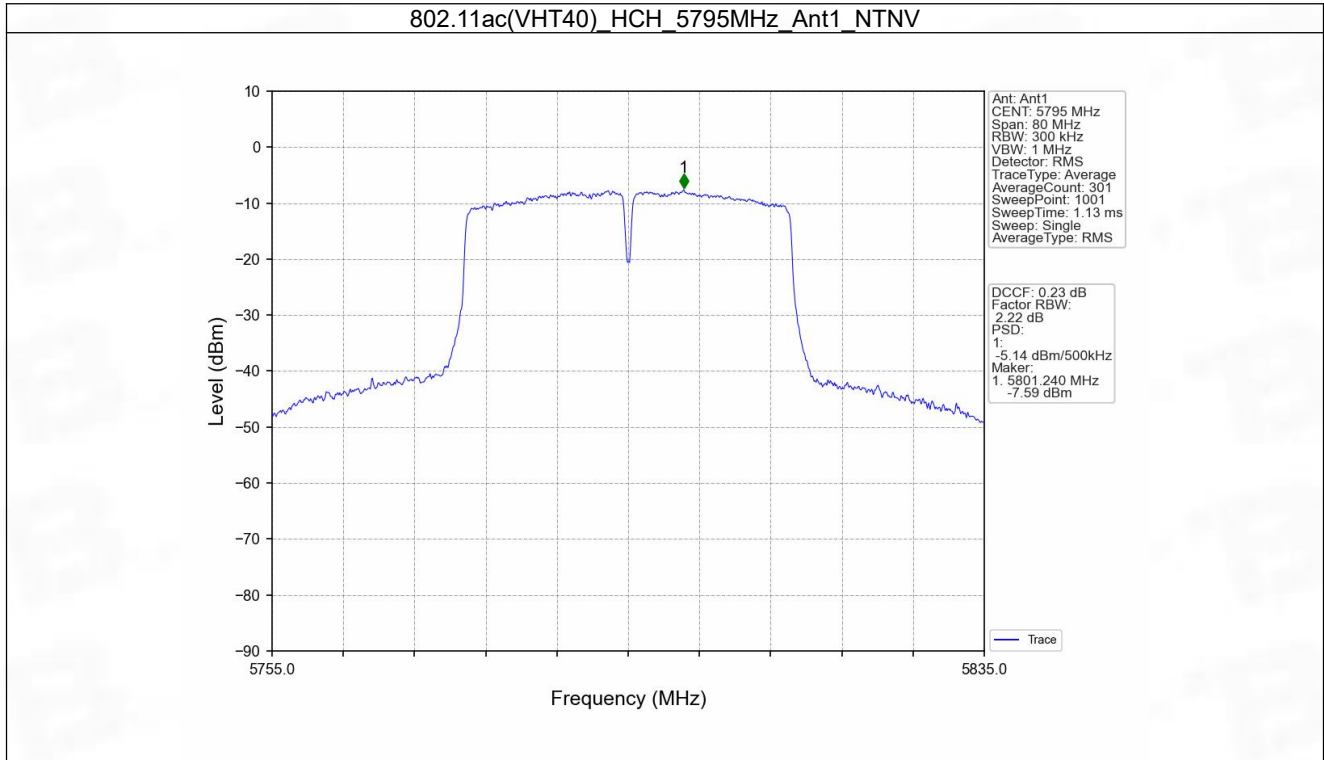


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(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)			
802.11a	SISO	5180	20	102	5179.980	5150 to 5250	Pass		
				120	5180.040	5150 to 5250	Pass		
				138	5180.000	5150 to 5250	Pass		
			5200	-30	120	5179.980	5150 to 5250	Pass	
					-20	120	5179.920	5150 to 5250	Pass
						120	5180.080	5150 to 5250	Pass
				0	120	5179.940	5150 to 5250	Pass	
					10	120	5180.040	5150 to 5250	Pass
					30	120	5180.000	5150 to 5250	Pass
		40			120	5179.980	5150 to 5250	Pass	
		50			120	5179.920	5150 to 5250	Pass	
		5240			20	102	5199.960	5150 to 5250	Pass
			120	5200.000		5150 to 5250	Pass		
			138	5200.040		5150 to 5250	Pass		
			5745	-30	120	5199.960	5150 to 5250	Pass	
					-20	120	5200.000	5150 to 5250	Pass
						120	5200.040	5150 to 5250	Pass
				0	120	5199.960	5150 to 5250	Pass	
					10	120	5200.060	5150 to 5250	Pass
					30	120	5199.960	5150 to 5250	Pass
		40			120	5199.880	5150 to 5250	Pass	
		50			120	5199.940	5150 to 5250	Pass	
		5785			20	102	5240.040	5150 to 5250	Pass
			120	5239.940		5150 to 5250	Pass		
			138	5240.000		5150 to 5250	Pass		
			5785	-30	120	5239.920	5150 to 5250	Pass	
					-20	120	5239.960	5150 to 5250	Pass
						120	5240.040	5150 to 5250	Pass
				0	120	5239.940	5150 to 5250	Pass	
					10	120	5239.920	5150 to 5250	Pass
					30	120	5239.980	5150 to 5250	Pass
		40			120	5239.960	5150 to 5250	Pass	
		50			120	5239.980	5150 to 5250	Pass	
		5785			20	102	5744.980	5725 to 5850	Pass
			120	5745.060		5725 to 5850	Pass		
			138	5744.980		5725 to 5850	Pass		
			5785	-30	120	5744.960	5725 to 5850	Pass	
					-20	120	5744.980	5725 to 5850	Pass
						120	5745.020	5725 to 5850	Pass
				0	120	5744.960	5725 to 5850	Pass	
					10	120	5744.980	5725 to 5850	Pass
					30	120	5744.940	5725 to 5850	Pass
		40			120	5745.040	5725 to 5850	Pass	
		50			120	5744.940	5725 to 5850	Pass	
		5785			20	102	5785.000	5725 to 5850	Pass

				120	5784.960	5725 to 5850	Pass
				138	5784.980	5725 to 5850	Pass
			-30	120	5784.980	5725 to 5850	Pass
			-20	120	5784.960	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass
			0	120	5784.920	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5784.960	5725 to 5850	Pass
			40	120	5784.980	5725 to 5850	Pass
			50	120	5784.980	5725 to 5850	Pass
		5825	20	102	5825.000	5725 to 5850	Pass
				120	5824.980	5725 to 5850	Pass
				138	5824.980	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5824.900	5725 to 5850	Pass
			-10	120	5824.980	5725 to 5850	Pass
			0	120	5824.920	5725 to 5850	Pass
			10	120	5824.960	5725 to 5850	Pass
			30	120	5824.980	5725 to 5850	Pass
			40	120	5824.860	5725 to 5850	Pass
50	120	5825.040	5725 to 5850	Pass			
802.11n (HT20)	SISO	5180	20	102	5180.020	5150 to 5250	Pass
				120	5179.980	5150 to 5250	Pass
				138	5180.040	5150 to 5250	Pass
			-30	120	5180.080	5150 to 5250	Pass
			-20	120	5180.020	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	5180.000	5150 to 5250	Pass
			40	120	5179.980	5150 to 5250	Pass
		50	120	5179.980	5150 to 5250	Pass	
		5200	20	102	5200.060	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5199.980	5150 to 5250	Pass
			-30	120	5200.020	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.040	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.020	5150 to 5250	Pass
			30	120	5200.060	5150 to 5250	Pass
40	120		5200.060	5150 to 5250	Pass		
50	120	5200.040	5150 to 5250	Pass			
5240	20	102	5239.960	5150 to 5250	Pass		
		120	5240.020	5150 to 5250	Pass		
		138	5239.960	5150 to 5250	Pass		
	-30	120	5240.000	5150 to 5250	Pass		
	-20	120	5240.020	5150 to 5250	Pass		
	-10	120	5240.000	5150 to 5250	Pass		
	0	120	5239.980	5150 to 5250	Pass		
	10	120	5239.960	5150 to 5250	Pass		
	30	120	5240.080	5150 to 5250	Pass		
	40	120	5240.020	5150 to 5250	Pass		
50	120	5240.000	5150 to 5250	Pass			
5745	20	102	5744.960	5725 to 5850	Pass		
		120	5744.960	5725 to 5850	Pass		
		138	5745.060	5725 to 5850	Pass		
	-30	120	5744.900	5725 to 5850	Pass		

			-20	120	5744.940	5725 to 5850	Pass		
			-10	120	5745.000	5725 to 5850	Pass		
			0	120	5745.000	5725 to 5850	Pass		
			10	120	5745.060	5725 to 5850	Pass		
			30	120	5745.000	5725 to 5850	Pass		
			40	120	5744.960	5725 to 5850	Pass		
			50	120	5744.960	5725 to 5850	Pass		
		5785	20	102	5785.020	5725 to 5850	Pass		
				120	5784.980	5725 to 5850	Pass		
				138	5784.980	5725 to 5850	Pass		
			-30	120	5785.000	5725 to 5850	Pass		
			-20	120	5784.980	5725 to 5850	Pass		
			-10	120	5785.000	5725 to 5850	Pass		
			0	120	5785.020	5725 to 5850	Pass		
			10	120	5784.960	5725 to 5850	Pass		
			30	120	5785.000	5725 to 5850	Pass		
			40	120	5785.000	5725 to 5850	Pass		
			50	120	5784.980	5725 to 5850	Pass		
			5825	20	102	5825.000	5725 to 5850	Pass	
					120	5824.960	5725 to 5850	Pass	
		138			5824.940	5725 to 5850	Pass		
		-30		120	5825.040	5725 to 5850	Pass		
		-20		120	5825.020	5725 to 5850	Pass		
		-10		120	5825.040	5725 to 5850	Pass		
		0		120	5824.980	5725 to 5850	Pass		
		10		120	5824.920	5725 to 5850	Pass		
		30		120	5825.020	5725 to 5850	Pass		
		40		120	5824.940	5725 to 5850	Pass		
		50		120	5825.040	5725 to 5850	Pass		
		802.11n (HT40)		SISO	5190	20	102	5190.000	5150 to 5250
			120				5190.040	5150 to 5250	Pass
			138				5190.040	5150 to 5250	Pass
			-30			120	5190.000	5150 to 5250	Pass
			-20			120	5190.040	5150 to 5250	Pass
			-10			120	5190.040	5150 to 5250	Pass
			0			120	5190.000	5150 to 5250	Pass
10	120		5190.000			5150 to 5250	Pass		
30	120		5190.000			5150 to 5250	Pass		
40	120		5190.120		5150 to 5250	Pass			
50	120		5190.040		5150 to 5250	Pass			
5230	20		102		5230.000	5150 to 5250	Pass		
			120		5229.960	5150 to 5250	Pass		
			138		5230.000	5150 to 5250	Pass		
	-30		120		5230.040	5150 to 5250	Pass		
	-20		120		5230.000	5150 to 5250	Pass		
	-10		120		5230.040	5150 to 5250	Pass		
	0		120		5229.960	5150 to 5250	Pass		
	10		120		5230.040	5150 to 5250	Pass		
	30		120		5230.080	5150 to 5250	Pass		
40	120		5230.000		5150 to 5250	Pass			
50	120	5230.000	5150 to 5250	Pass					
5755	20	102	5755.000	5725 to 5850	Pass				
		120	5755.000	5725 to 5850	Pass				
		138	5755.000	5725 to 5850	Pass				
	-30	120	5755.000	5725 to 5850	Pass				
	-20	120	5755.000	5725 to 5850	Pass				
	-10	120	5754.960	5725 to 5850	Pass				
0	120	5754.960	5725 to 5850	Pass					

			10	120	5754.960	5725 to 5850	Pass
			30	120	5755.000	5725 to 5850	Pass
			40	120	5755.000	5725 to 5850	Pass
			50	120	5755.080	5725 to 5850	Pass
		5795	20	102	5795.000	5725 to 5850	Pass
				120	5795.000	5725 to 5850	Pass
				138	5794.960	5725 to 5850	Pass
			-30	120	5795.000	5725 to 5850	Pass
			-20	120	5795.000	5725 to 5850	Pass
			-10	120	5795.000	5725 to 5850	Pass
			0	120	5795.000	5725 to 5850	Pass
			10	120	5795.000	5725 to 5850	Pass
			30	120	5795.000	5725 to 5850	Pass
40	120		5795.000	5725 to 5850	Pass		
50	120	5795.000	5725 to 5850	Pass			
802.11ac (VHT20)	SISO	5180	20	102	5179.980	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5180.000	5150 to 5250	Pass
			-30	120	5179.960	5150 to 5250	Pass
			-20	120	5180.000	5150 to 5250	Pass
			-10	120	5180.040	5150 to 5250	Pass
			0	120	5180.040	5150 to 5250	Pass
			10	120	5180.000	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
		50	120	5179.980	5150 to 5250	Pass	
		5200	20	102	5200.020	5150 to 5250	Pass
				120	5199.980	5150 to 5250	Pass
				138	5200.000	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5199.960	5150 to 5250	Pass
			-10	120	5199.980	5150 to 5250	Pass
			0	120	5199.920	5150 to 5250	Pass
			10	120	5200.020	5150 to 5250	Pass
			30	120	5199.920	5150 to 5250	Pass
			40	120	5199.960	5150 to 5250	Pass
		50	120	5200.000	5150 to 5250	Pass	
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				138	5240.000	5150 to 5250	Pass
			-30	120	5239.960	5150 to 5250	Pass
			-20	120	5239.960	5150 to 5250	Pass
			-10	120	5239.980	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
			10	120	5240.000	5150 to 5250	Pass
			30	120	5239.980	5150 to 5250	Pass
			40	120	5239.980	5150 to 5250	Pass
		50	120	5240.040	5150 to 5250	Pass	
		5745	20	102	5744.980	5725 to 5850	Pass
				120	5744.980	5725 to 5850	Pass
				138	5744.980	5725 to 5850	Pass
			-30	120	5744.980	5725 to 5850	Pass
			-20	120	5744.980	5725 to 5850	Pass
			-10	120	5744.980	5725 to 5850	Pass
			0	120	5744.980	5725 to 5850	Pass
			10	120	5744.980	5725 to 5850	Pass
		30	120	5744.980	5725 to 5850	Pass	
		40	120	5744.980	5725 to 5850	Pass	

		5785	50	120	5744.980	5725 to 5850	Pass		
			20	102	5784.980	5725 to 5850	Pass		
				120	5784.980	5725 to 5850	Pass		
				138	5784.980	5725 to 5850	Pass		
			-30	120	5784.980	5725 to 5850	Pass		
			-20	120	5784.980	5725 to 5850	Pass		
			-10	120	5784.980	5725 to 5850	Pass		
			0	120	5784.980	5725 to 5850	Pass		
			10	120	5784.980	5725 to 5850	Pass		
			30	120	5784.980	5725 to 5850	Pass		
		40	120	5784.980	5725 to 5850	Pass			
		50	120	5784.980	5725 to 5850	Pass			
		5825	20	102	5824.980	5725 to 5850	Pass		
				120	5824.980	5725 to 5850	Pass		
				138	5824.980	5725 to 5850	Pass		
			-30	120	5824.980	5725 to 5850	Pass		
			-20	120	5824.980	5725 to 5850	Pass		
			-10	120	5824.980	5725 to 5850	Pass		
			0	120	5824.980	5725 to 5850	Pass		
			10	120	5824.980	5725 to 5850	Pass		
			30	120	5824.980	5725 to 5850	Pass		
			40	120	5824.980	5725 to 5850	Pass		
		50	120	5824.980	5725 to 5850	Pass			
		802.11ac (VHT40)	SISO	5190	20	102	5190.000	5150 to 5250	Pass
						120	5190.040	5150 to 5250	Pass
						138	5190.040	5150 to 5250	Pass
					-30	120	5190.040	5150 to 5250	Pass
					-20	120	5190.000	5150 to 5250	Pass
-10	120				5190.040	5150 to 5250	Pass		
0	120				5190.040	5150 to 5250	Pass		
10	120				5190.040	5150 to 5250	Pass		
30	120				5190.000	5150 to 5250	Pass		
40	120				5190.000	5150 to 5250	Pass		
50	120			5190.000	5150 to 5250	Pass			
5230	20			102	5230.000	5150 to 5250	Pass		
				120	5230.040	5150 to 5250	Pass		
				138	5230.000	5150 to 5250	Pass		
	-30			120	5230.000	5150 to 5250	Pass		
	-20			120	5230.000	5150 to 5250	Pass		
	-10			120	5230.000	5150 to 5250	Pass		
	0			120	5229.960	5150 to 5250	Pass		
	10			120	5229.960	5150 to 5250	Pass		
	30			120	5229.960	5150 to 5250	Pass		
	40			120	5230.040	5150 to 5250	Pass		
50	120			5230.000	5150 to 5250	Pass			
5755	20			102	5755.040	5725 to 5850	Pass		
				120	5755.040	5725 to 5850	Pass		
				138	5754.960	5725 to 5850	Pass		
	-30			120	5755.000	5725 to 5850	Pass		
	-20			120	5755.000	5725 to 5850	Pass		
	-10			120	5755.000	5725 to 5850	Pass		
	0			120	5755.040	5725 to 5850	Pass		
	10			120	5755.000	5725 to 5850	Pass		
	30	120	5755.040	5725 to 5850	Pass				
	40	120	5755.040	5725 to 5850	Pass				
50	120	5755.000	5725 to 5850	Pass					
5795	20	102	5795.000	5725 to 5850	Pass				
		120	5795.040	5725 to 5850	Pass				

			138	5795.040	5725 to 5850	Pass
		-30	120	5795.040	5725 to 5850	Pass
		-20	120	5795.000	5725 to 5850	Pass
		-10	120	5795.040	5725 to 5850	Pass
		0	120	5795.040	5725 to 5850	Pass
		10	120	5795.040	5725 to 5850	Pass
		30	120	5795.040	5725 to 5850	Pass
		40	120	5794.960	5725 to 5850	Pass
		50	120	5795.080	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	0.0181	12.57
5745	5825	0.0202	13.05
5190	5230	0.0184	12.65
5755	5795	0.0210	13.22



Test Report Number: BTF230628R00104



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-- END OF REPORT --