

3. Maximum Conducted Output Power

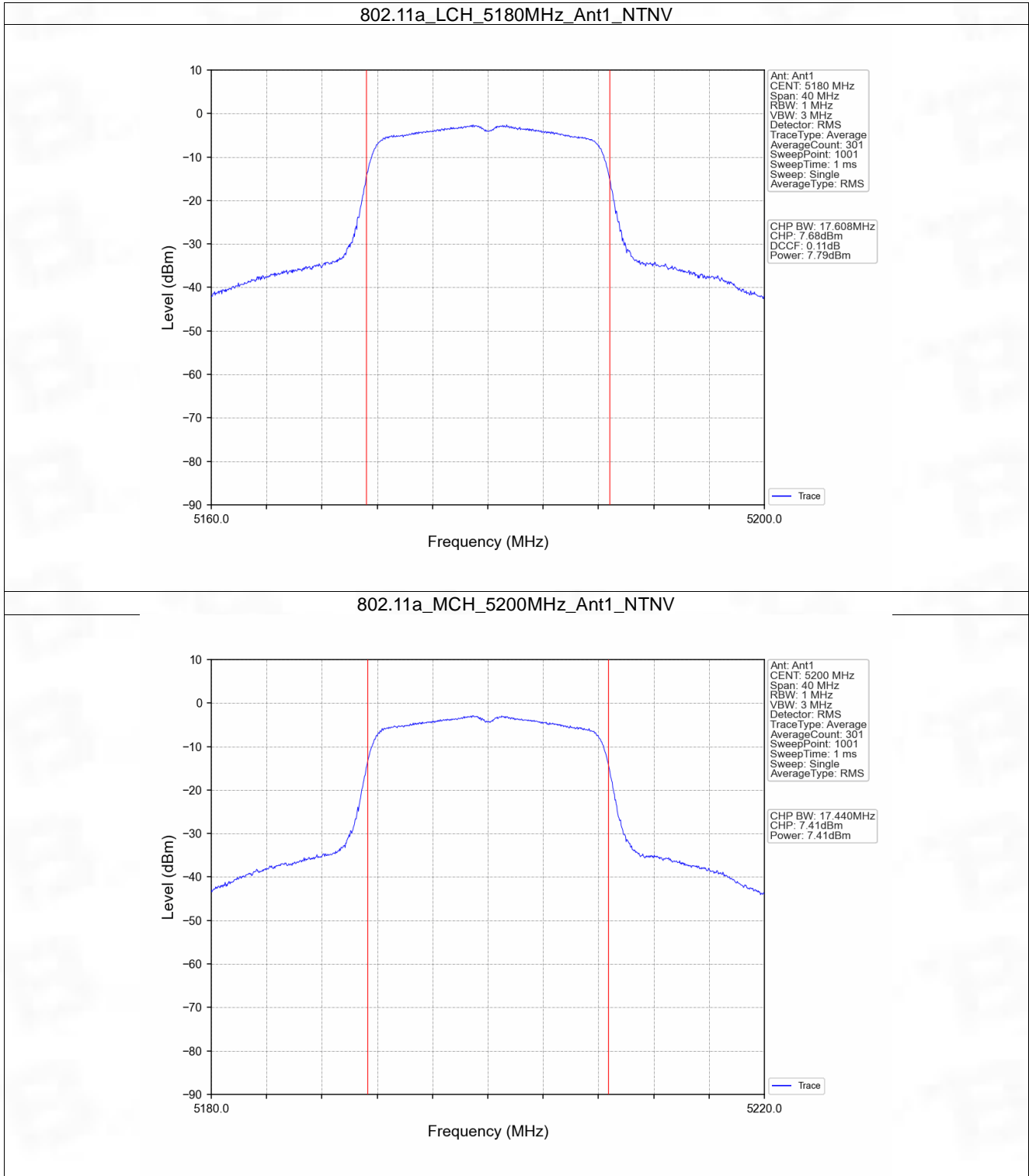
3.1 Power

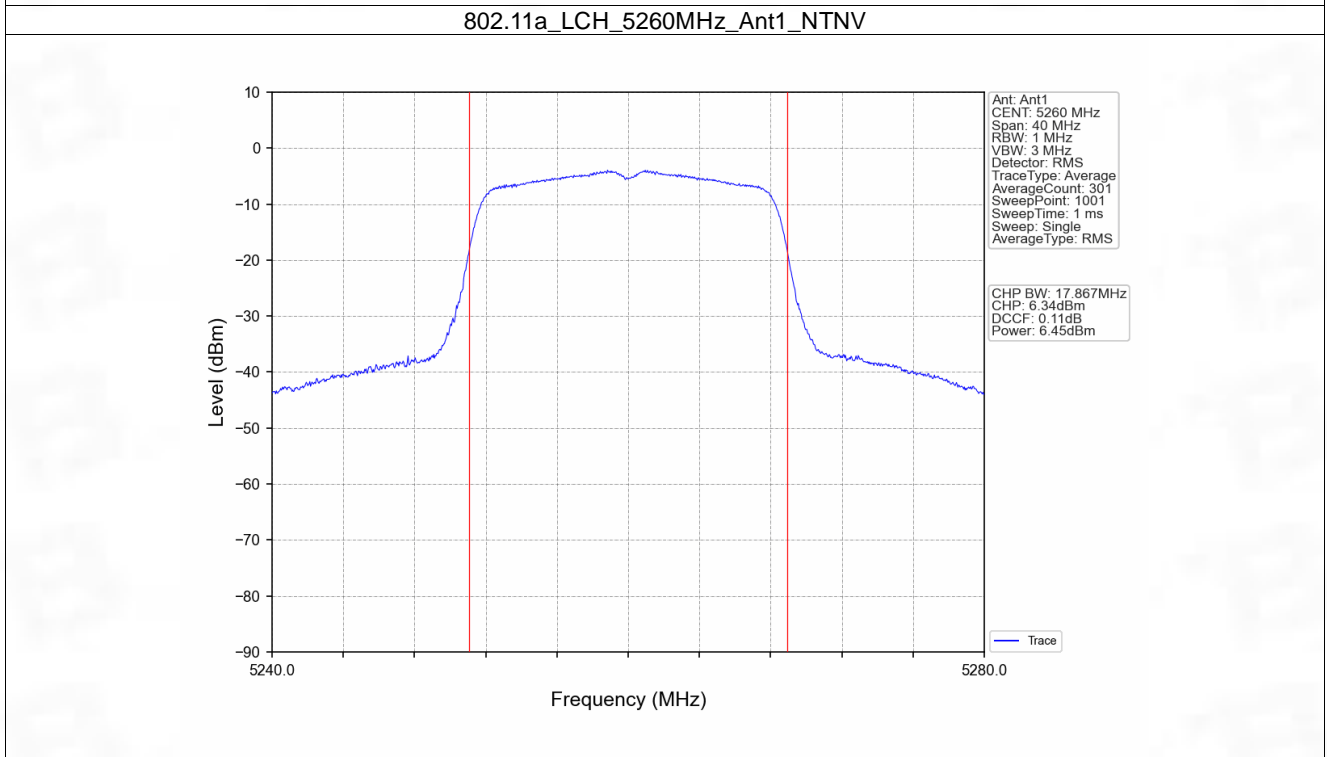
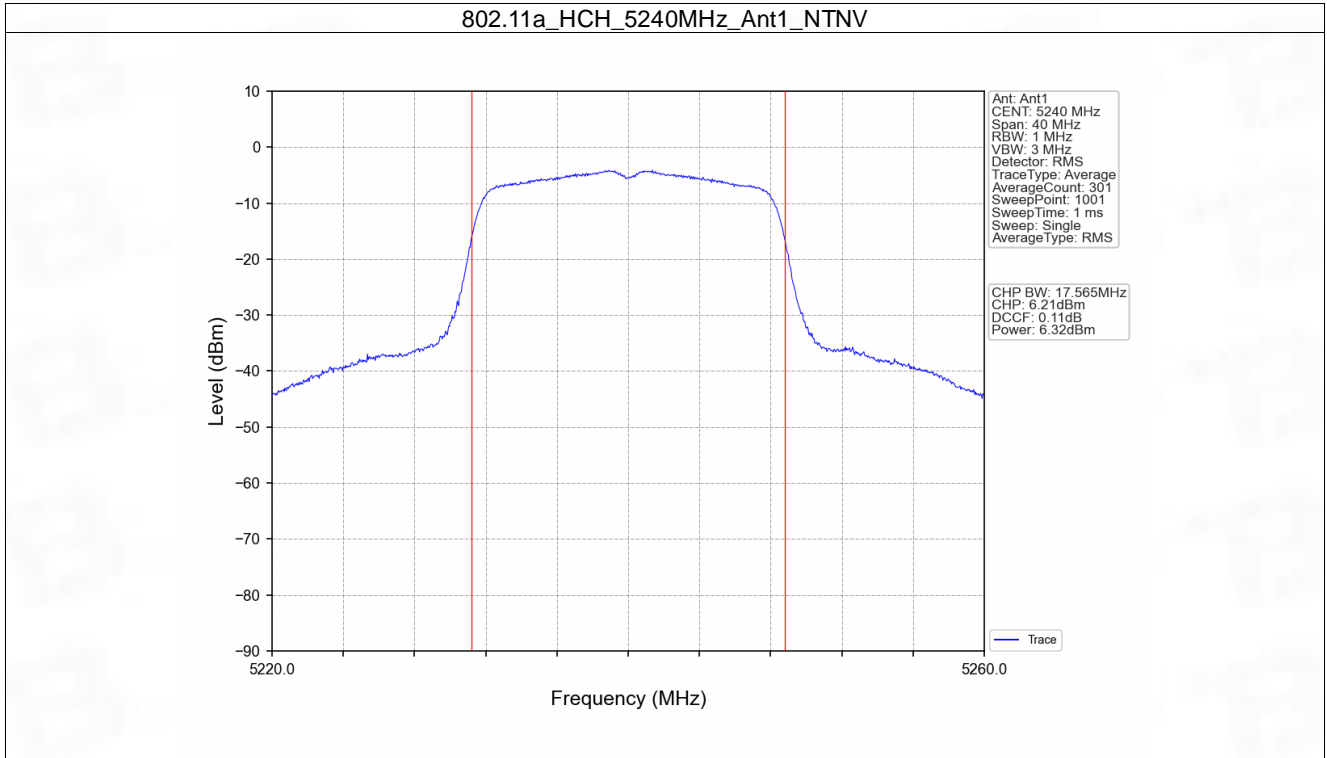
3.1.1 Test Result

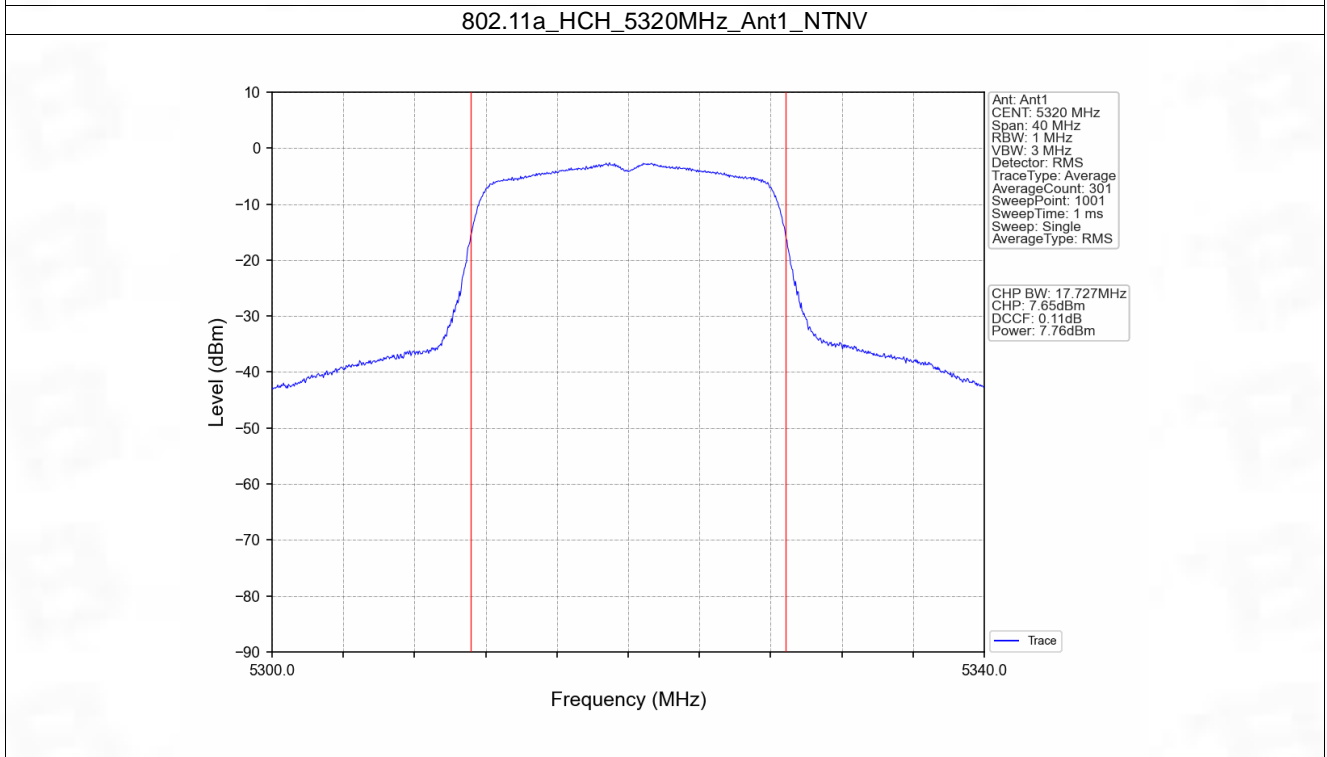
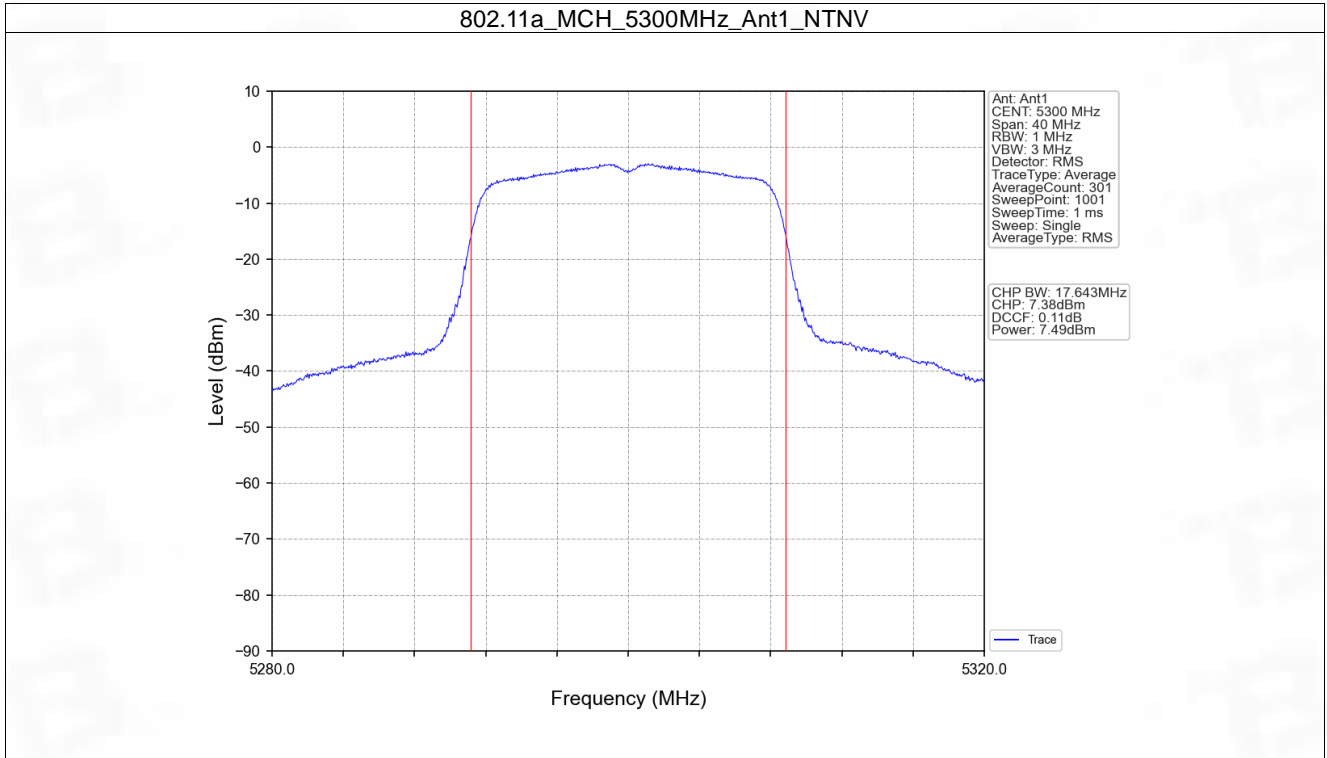
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	7.79	<=30	Pass
		5200	7.41	<=30	Pass
		5240	6.32	<=30	Pass
		5260	6.45	<=23.98	Pass
		5300	7.49	<=23.98	Pass
		5320	7.76	<=23.95	Pass
		5745	9.52	<=30	Pass
		5785	9.28	<=30	Pass
		5825	9.26	<=30	Pass
802.11n (HT20)	SISO	5180	6.61	<=30	Pass
		5200	6.36	<=30	Pass
		5240	6.23	<=30	Pass
		5260	6.41	<=23.98	Pass
		5300	7.31	<=23.97	Pass
		5320	8.05	<=23.98	Pass
		5745	9.41	<=30	Pass
		5785	9.13	<=30	Pass
802.11n (HT40)	SISO	5190	7.09	<=30	Pass
		5230	6.65	<=30	Pass
		5270	7.11	<=23.98	Pass
		5310	7.93	<=23.98	Pass
		5755	9.56	<=30	Pass
		5795	9.51	<=30	Pass

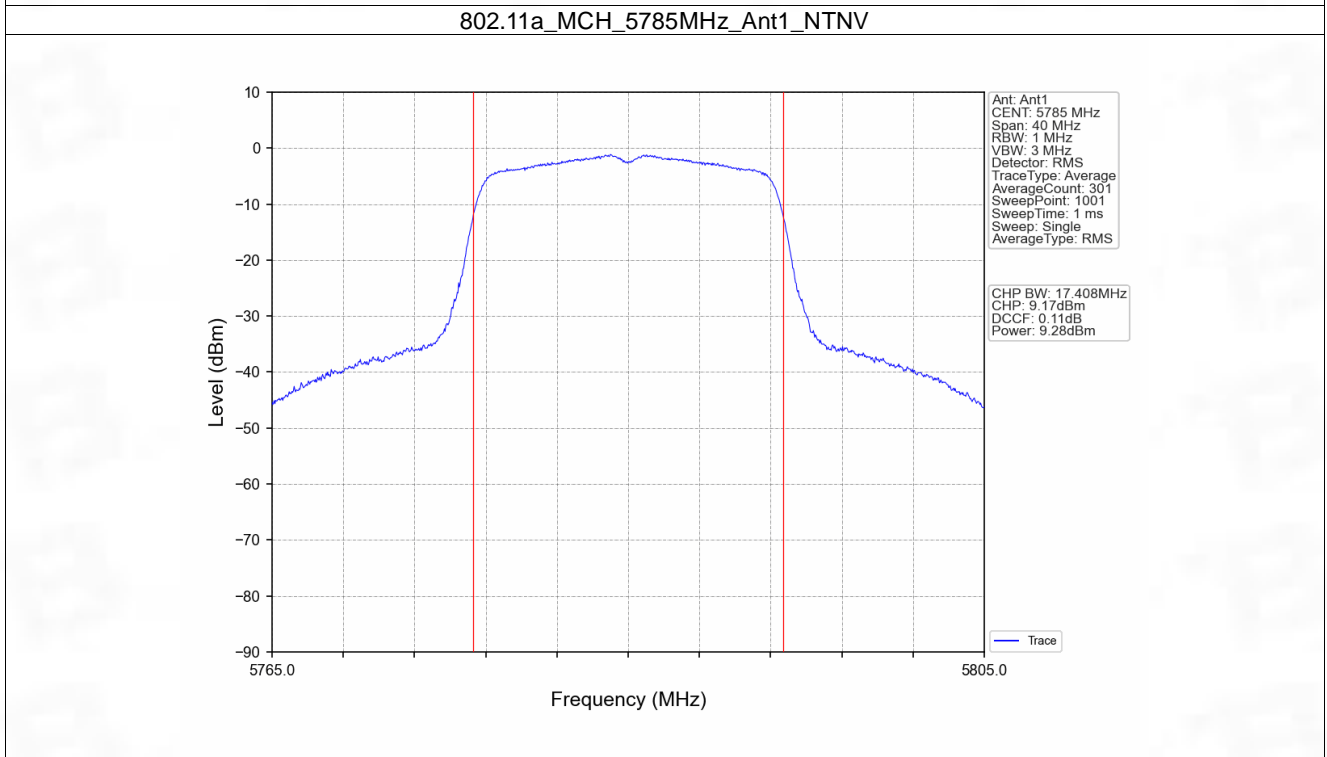
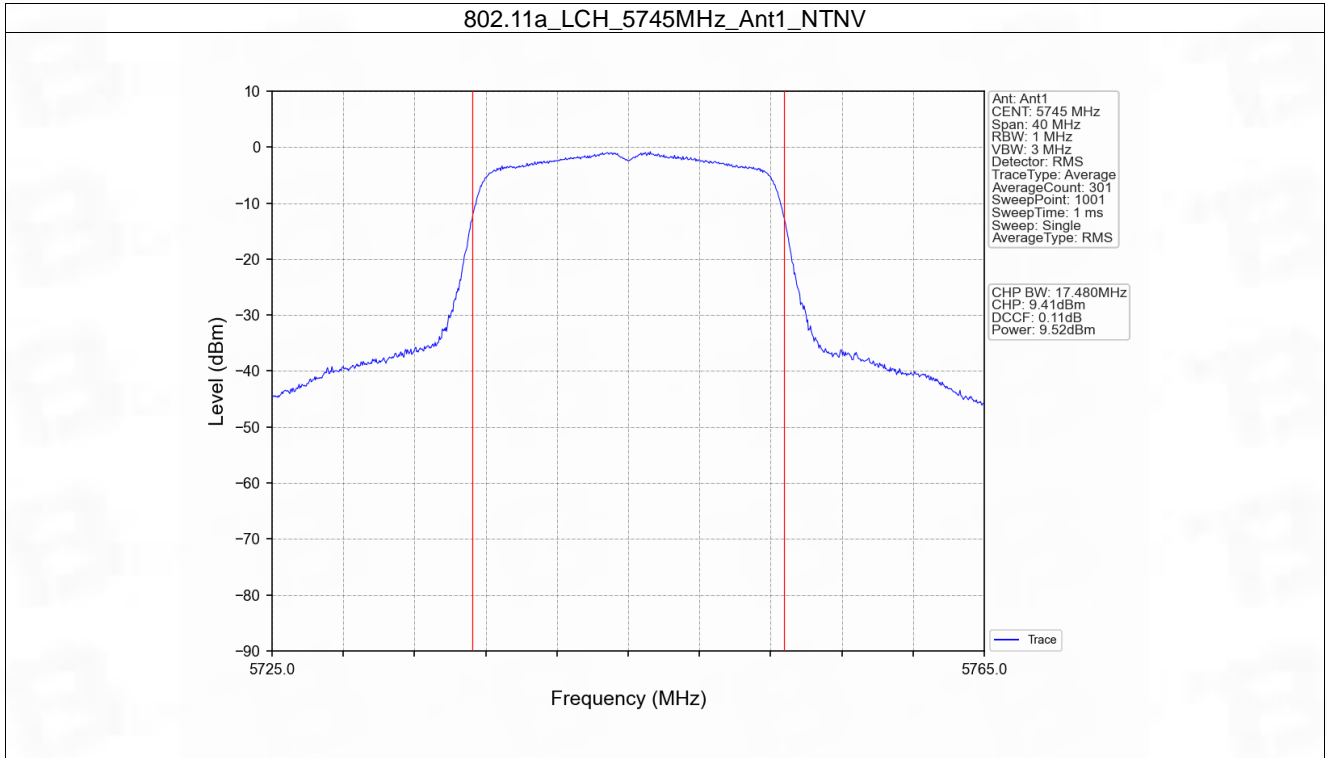
Note1: Antenna Gain: Ant1: 2.39dBi;

3.1.2 Test Graph

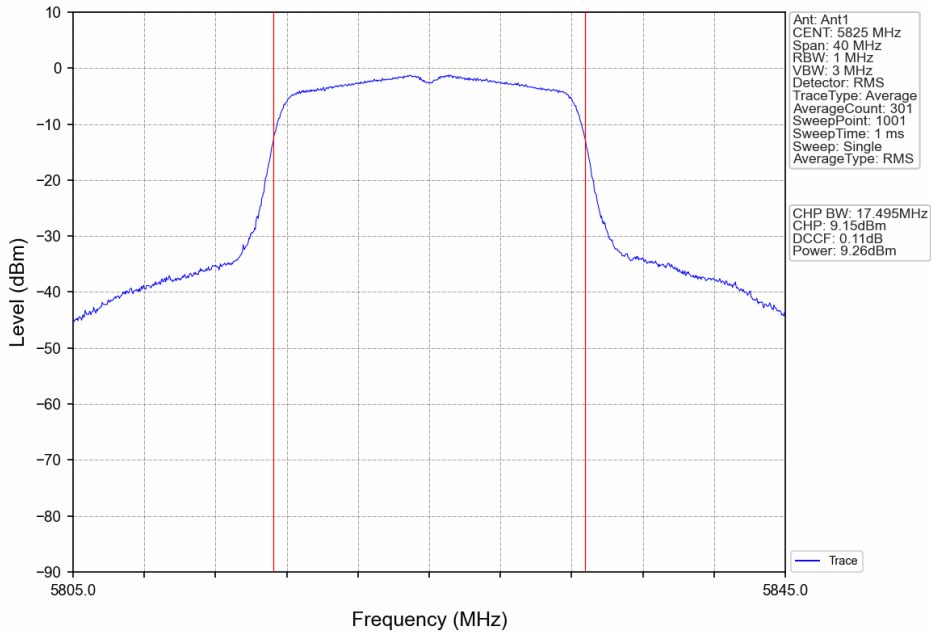




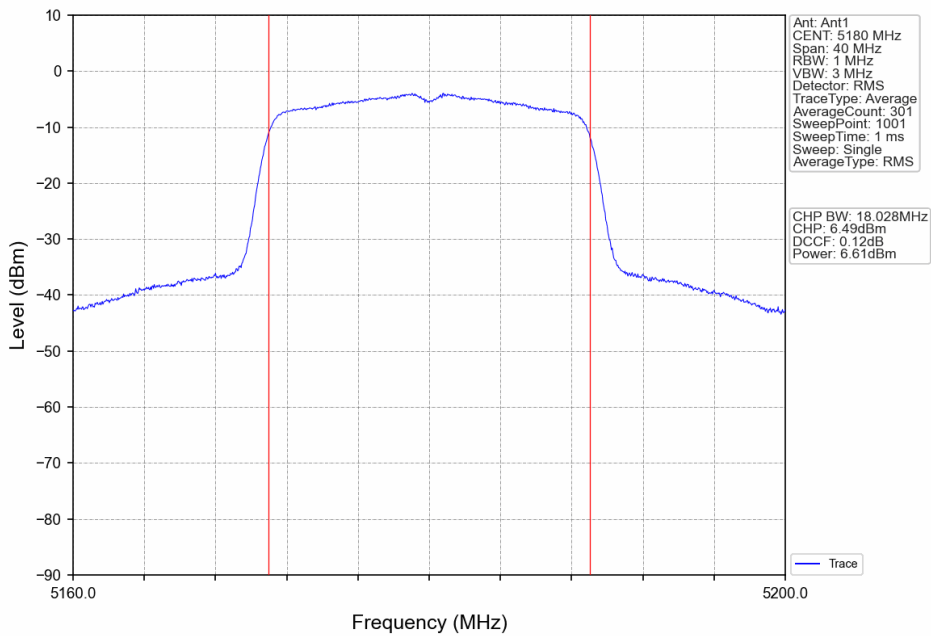


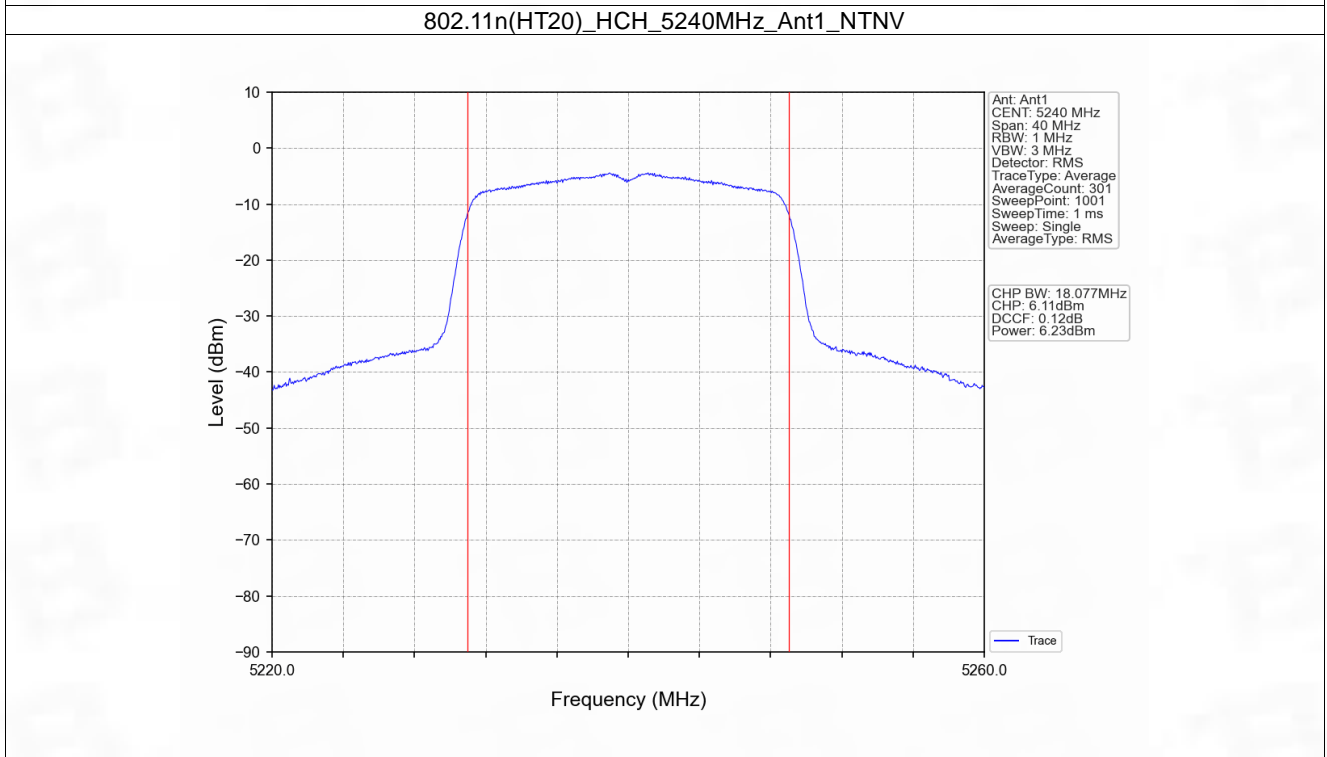
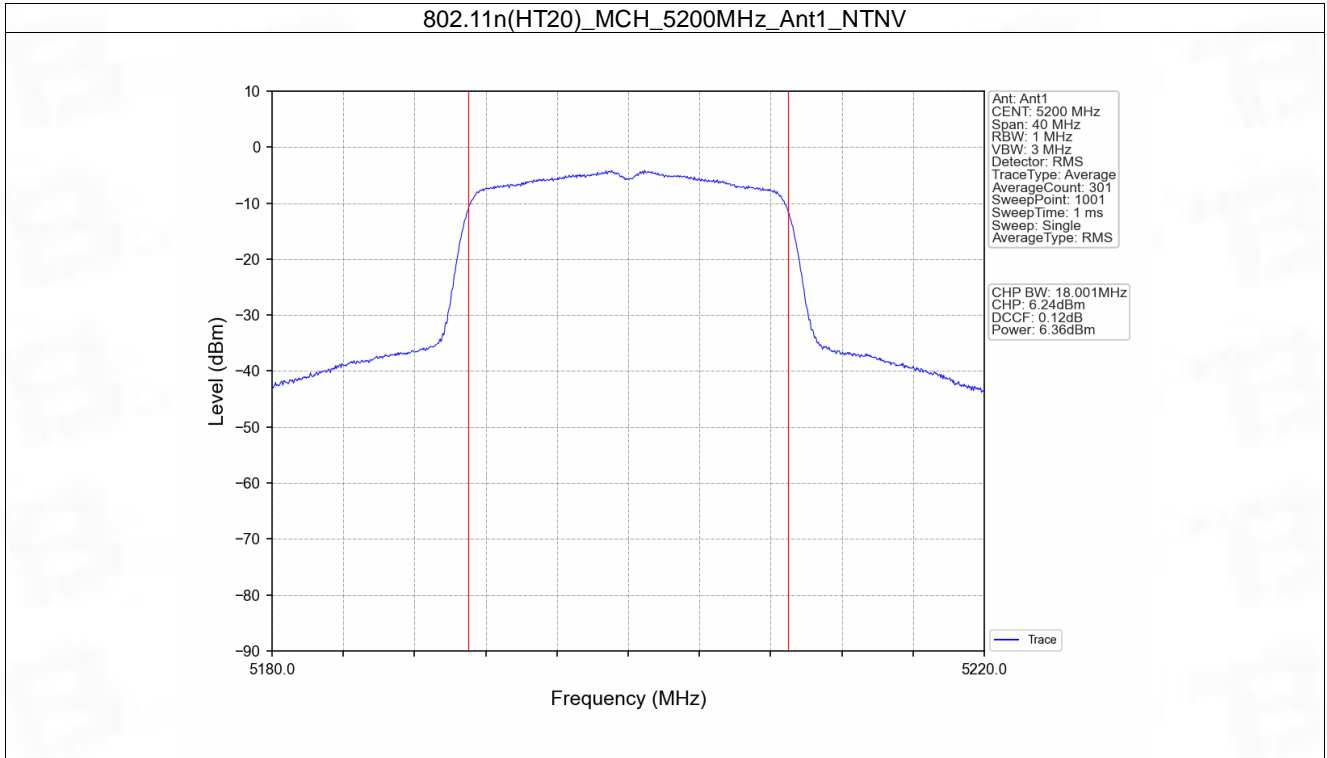


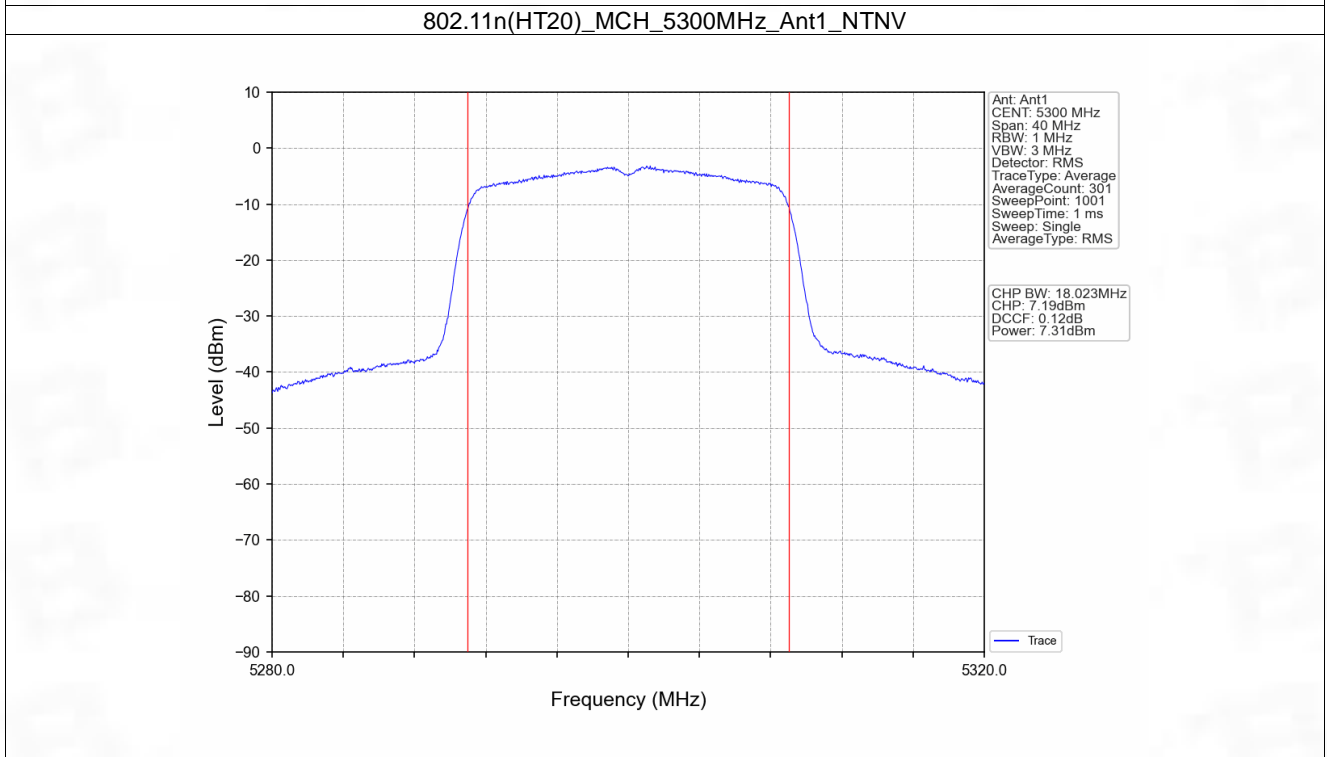
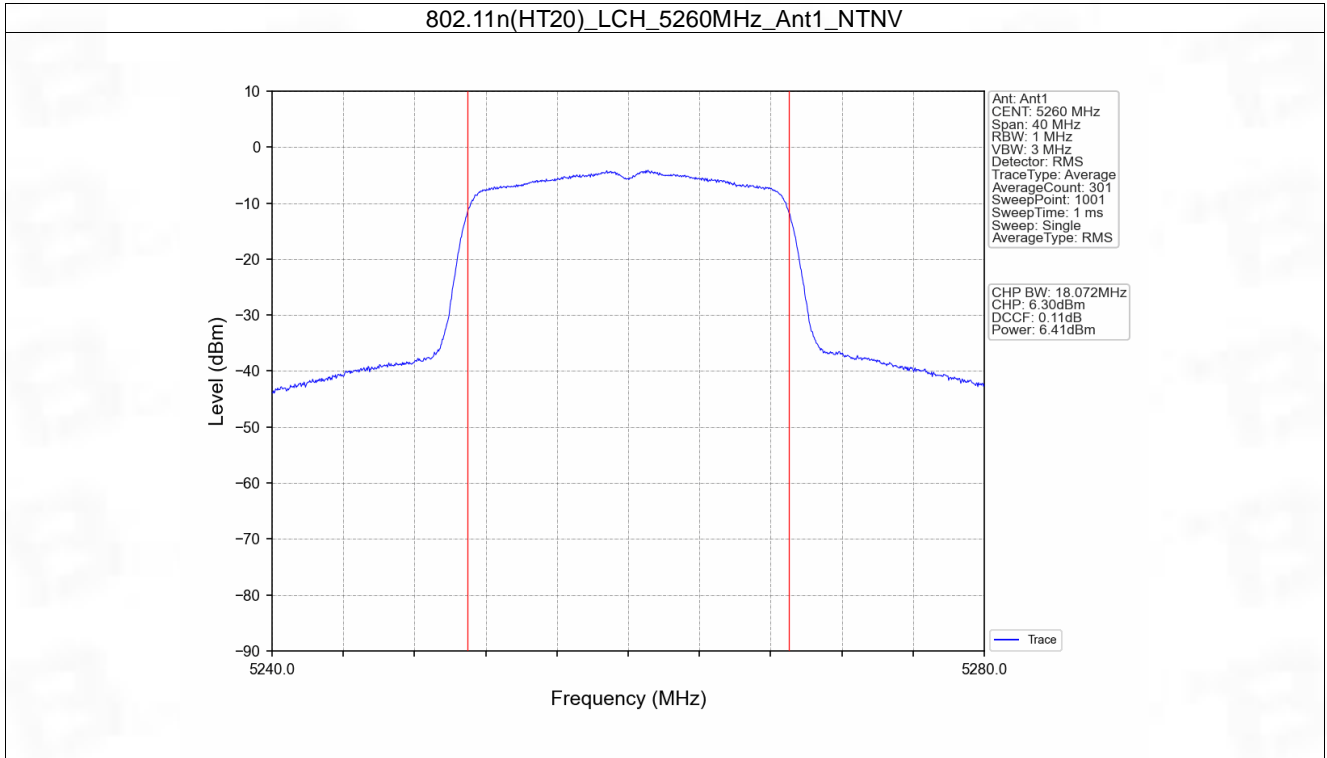
802.11a_HCH_5825MHz_Ant1_NTNV

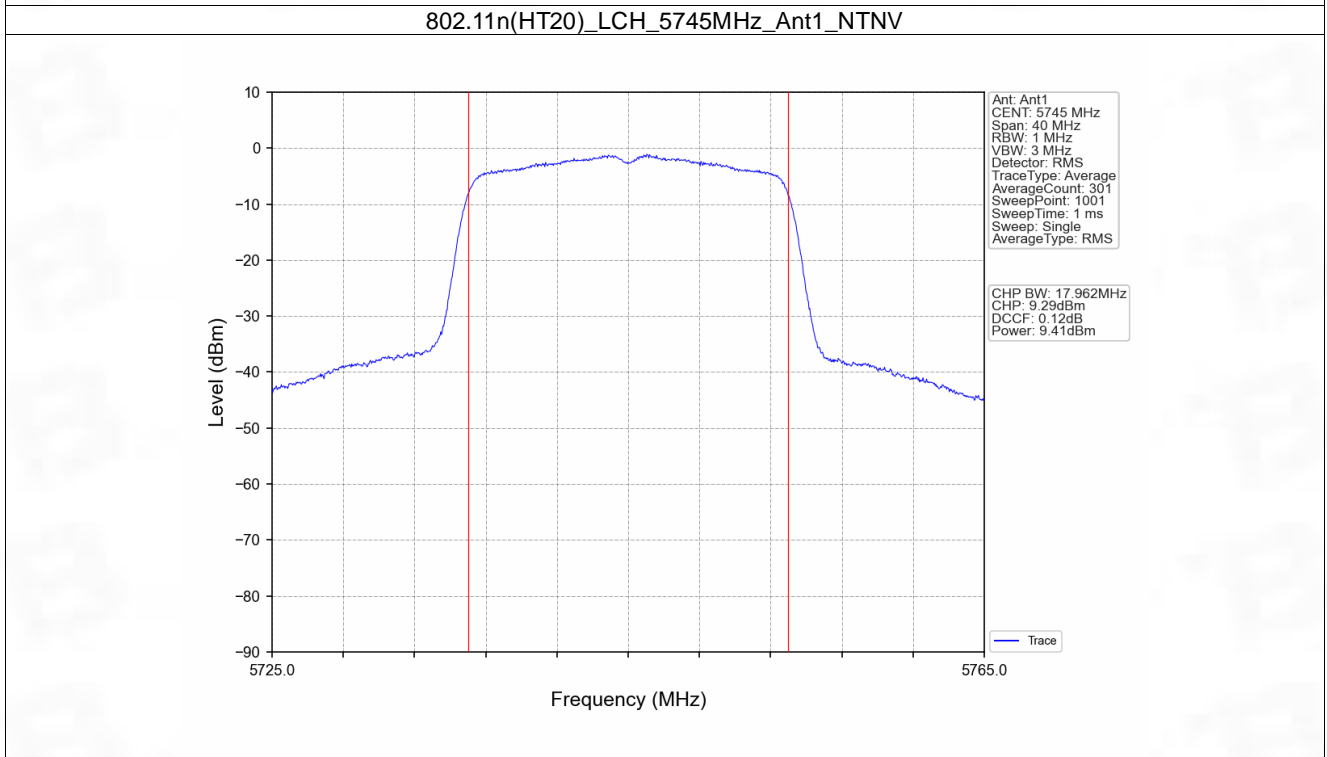
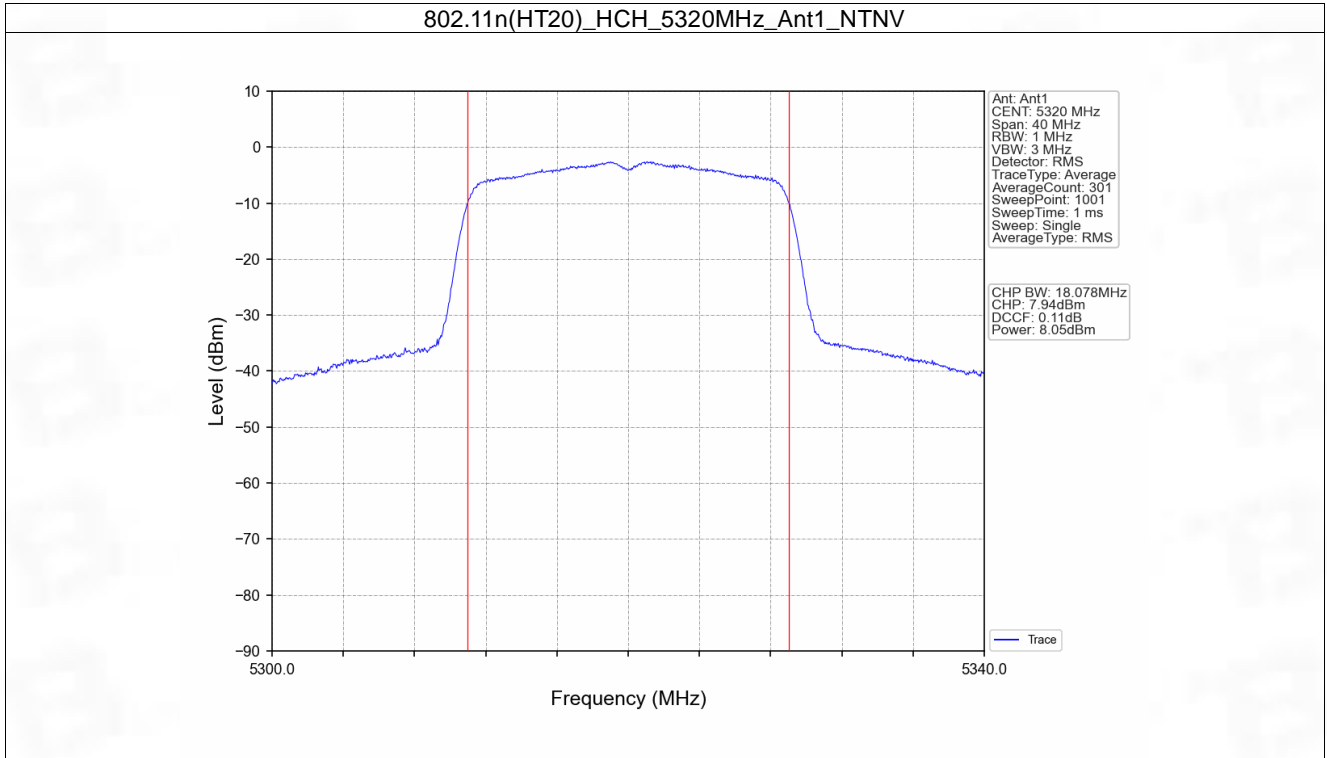


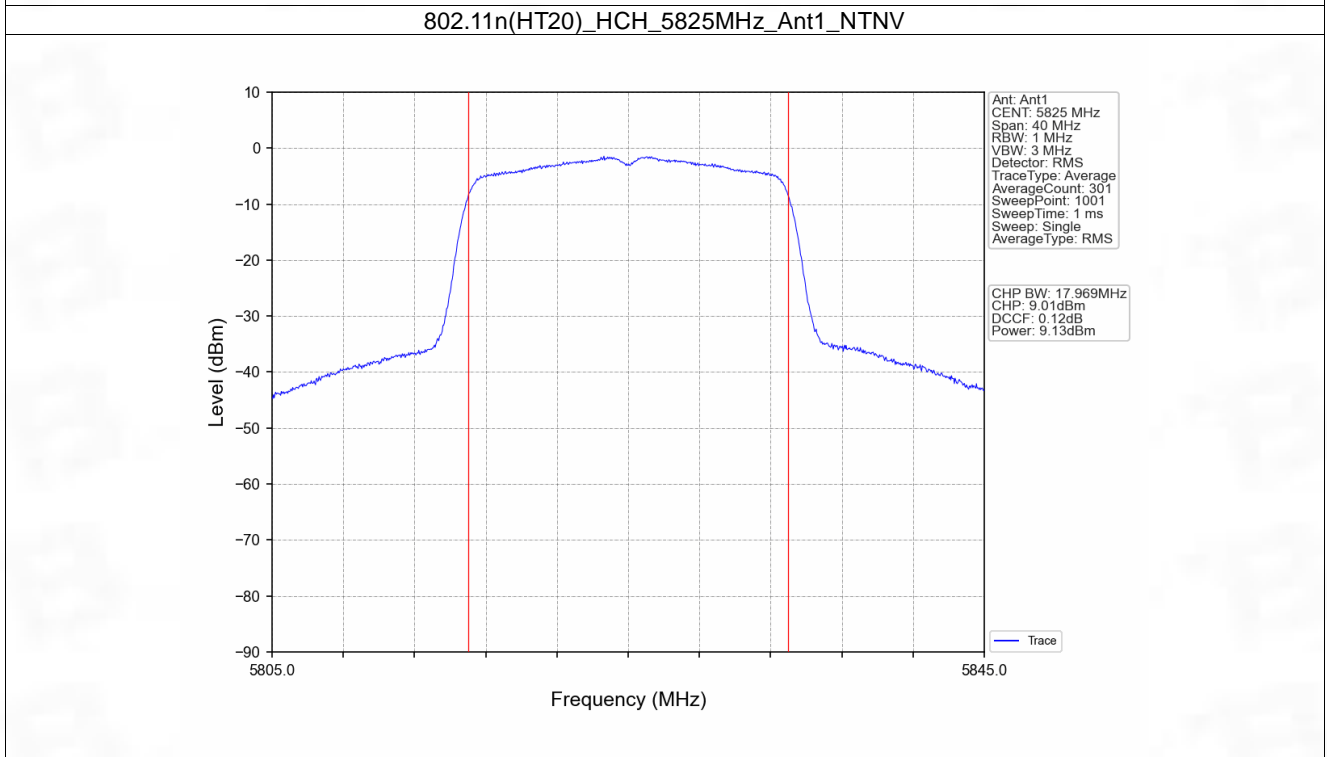
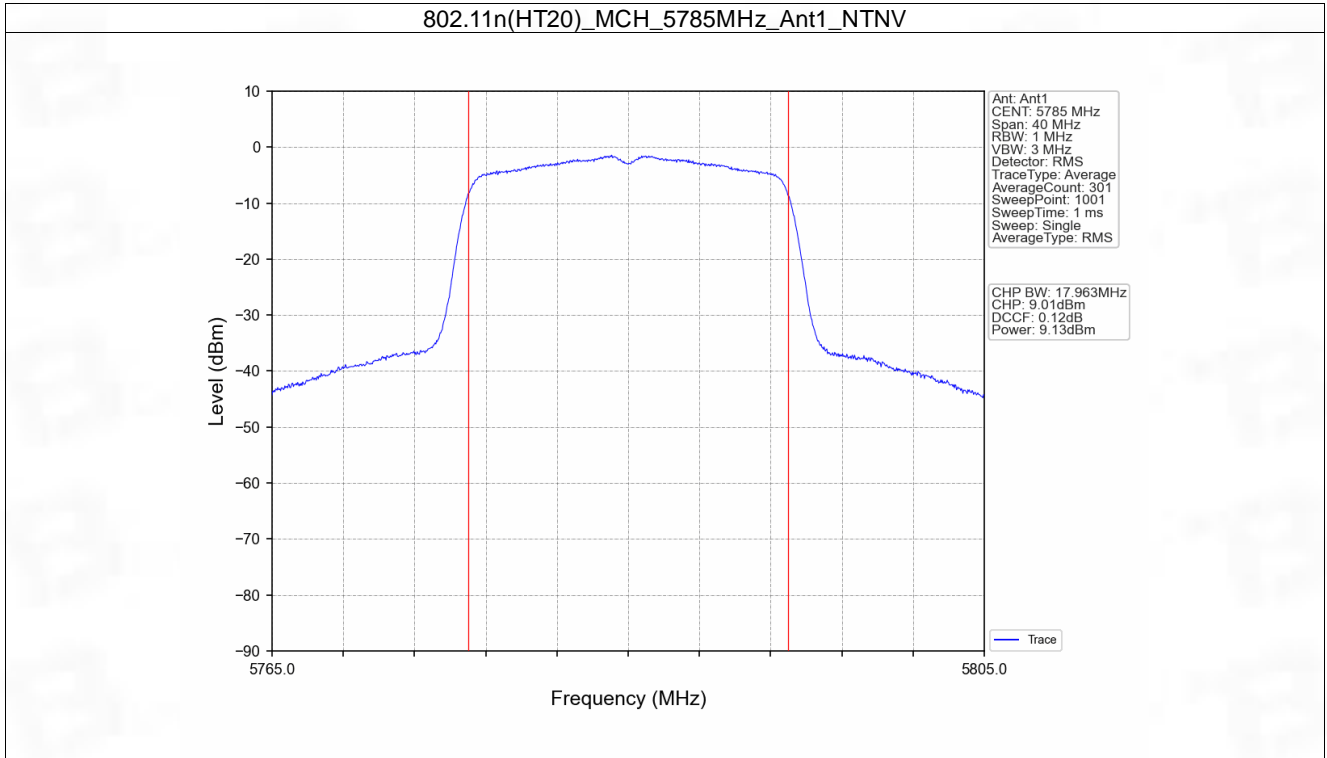
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

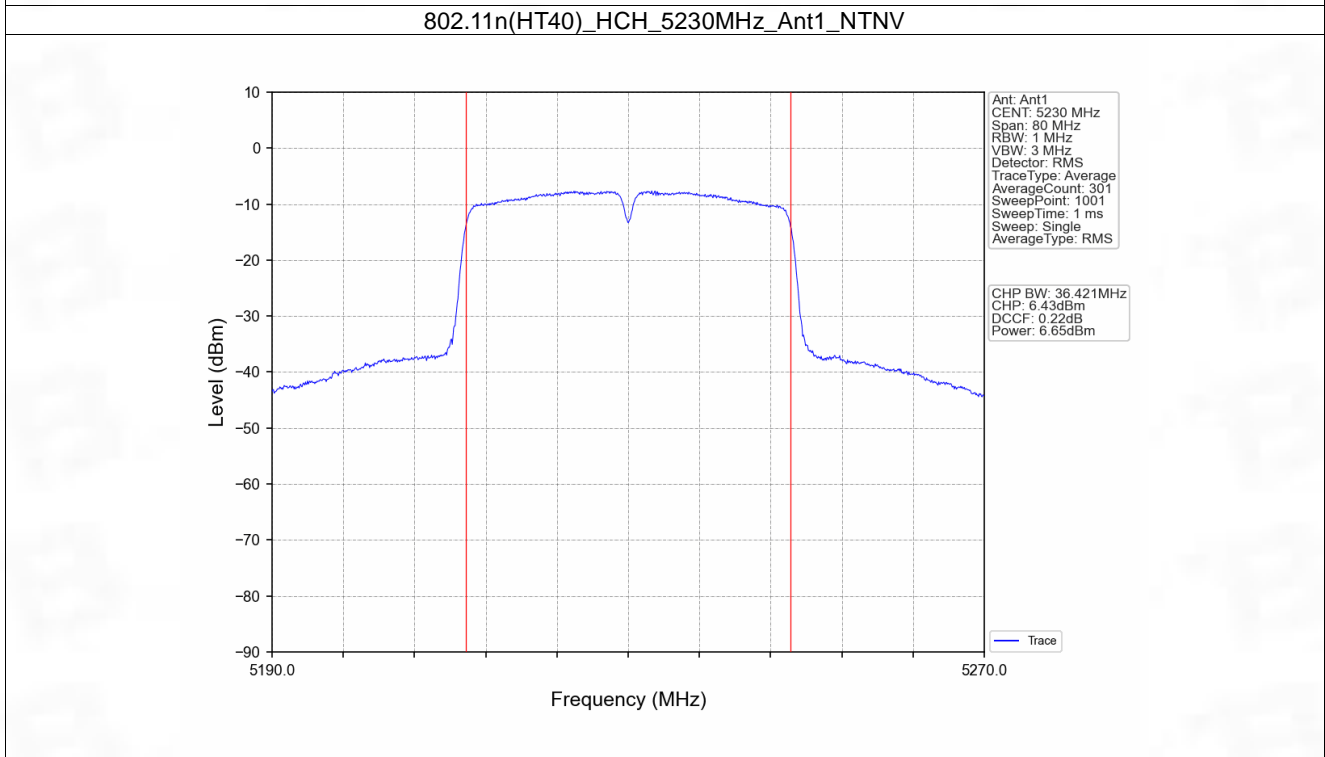
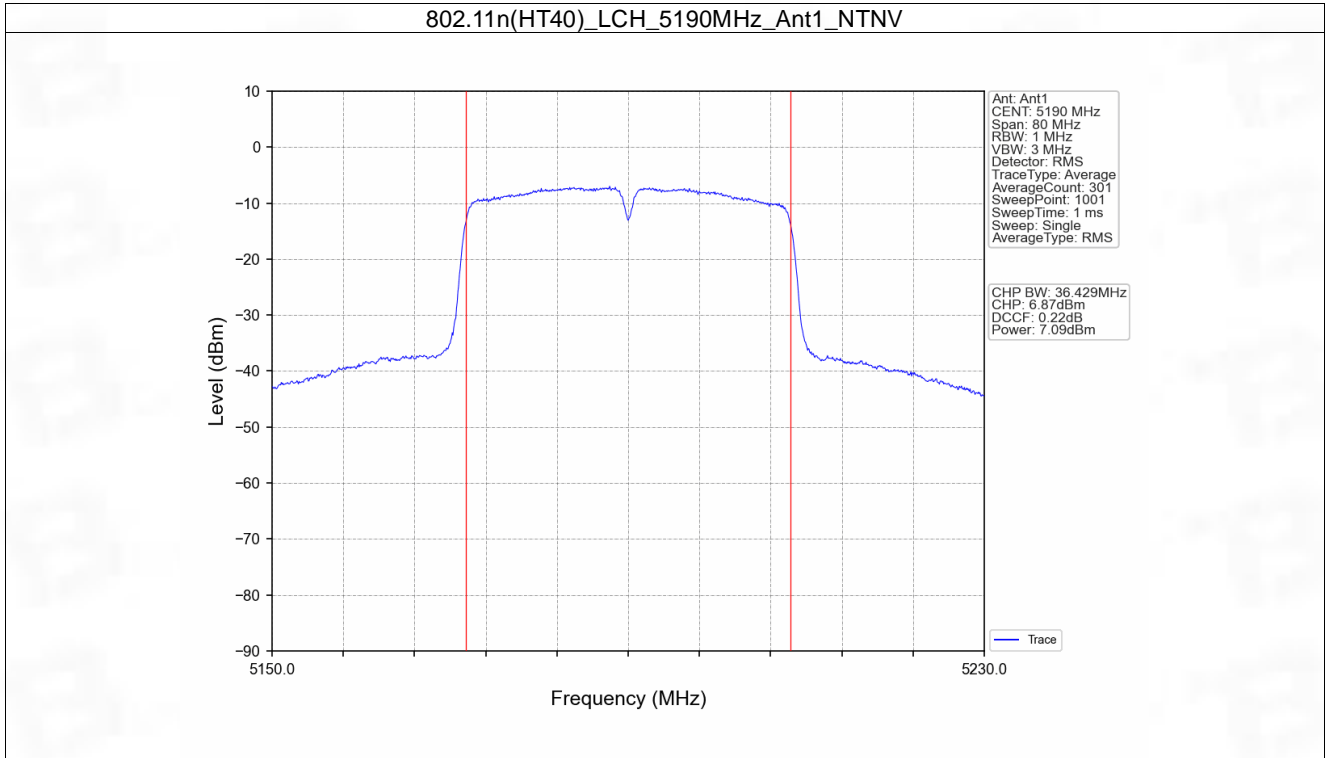


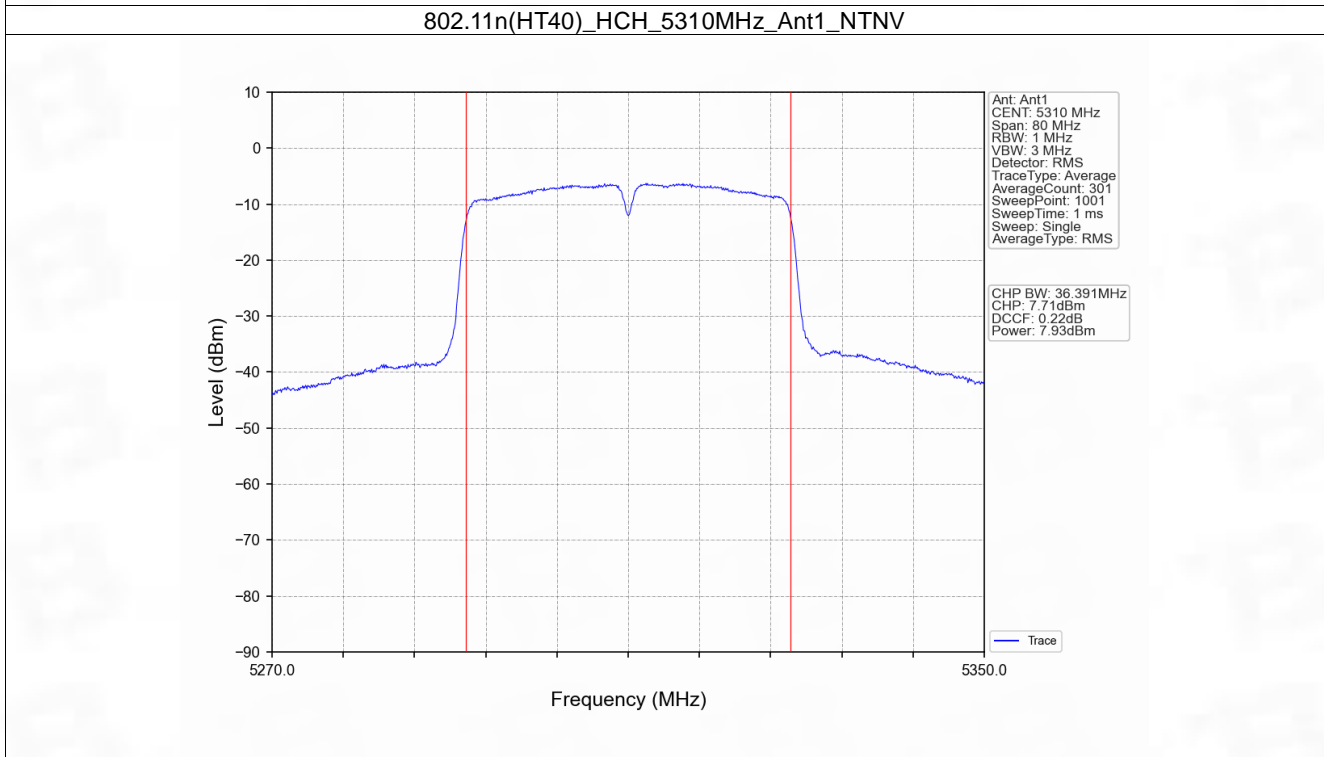
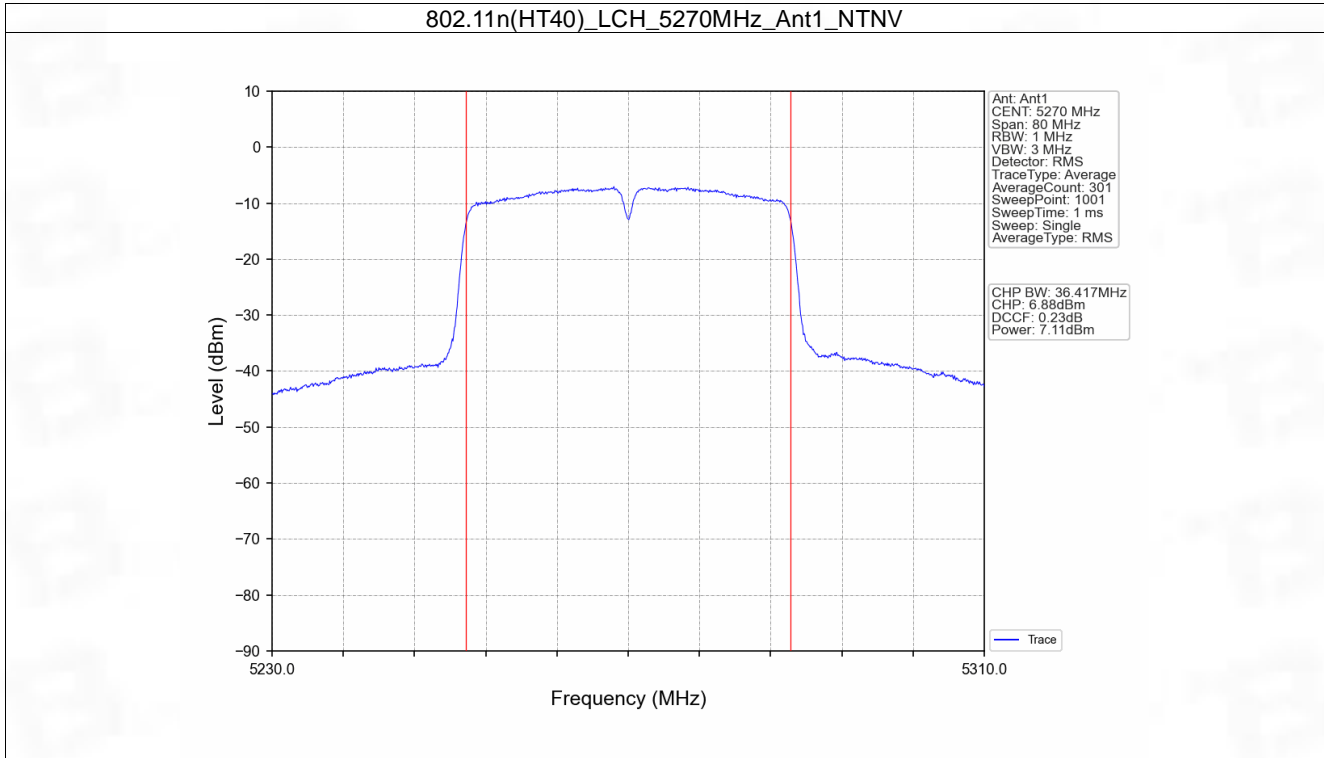


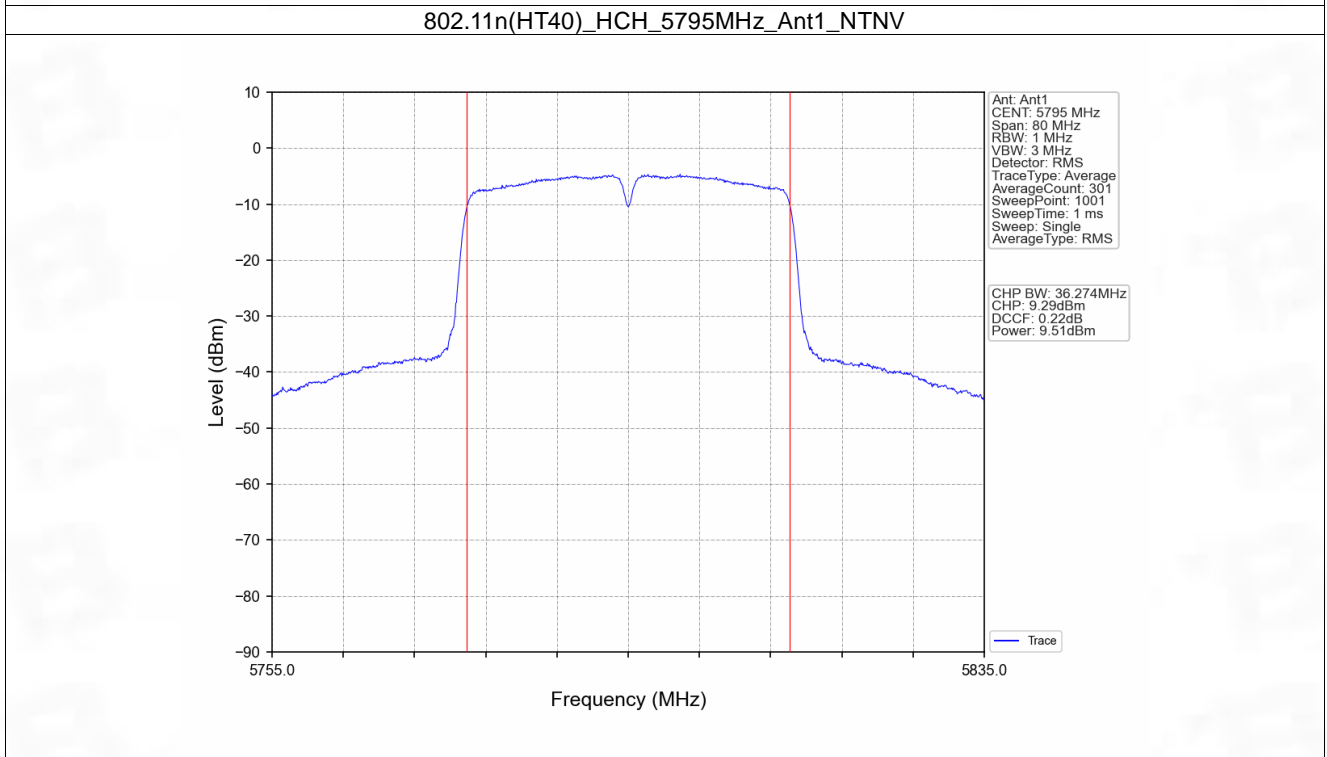
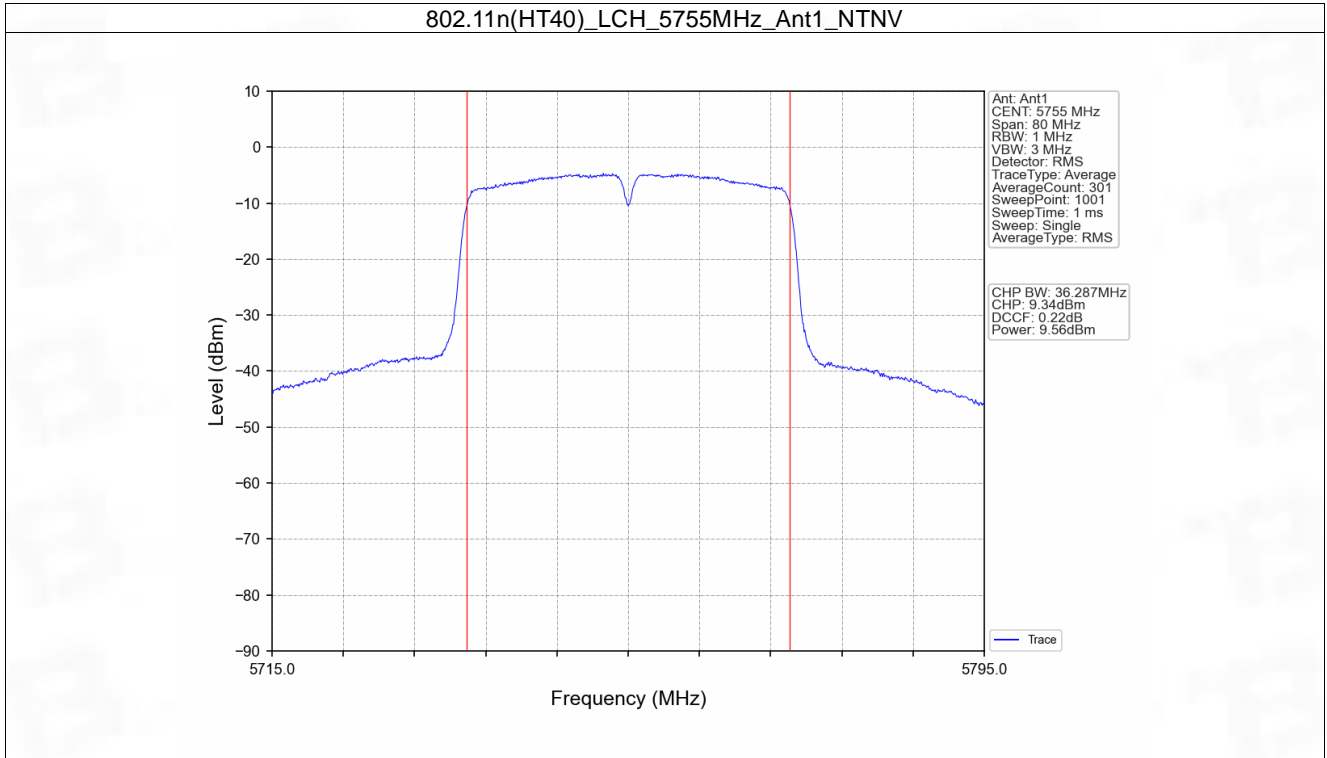












4. Maximum Power Spectral Density

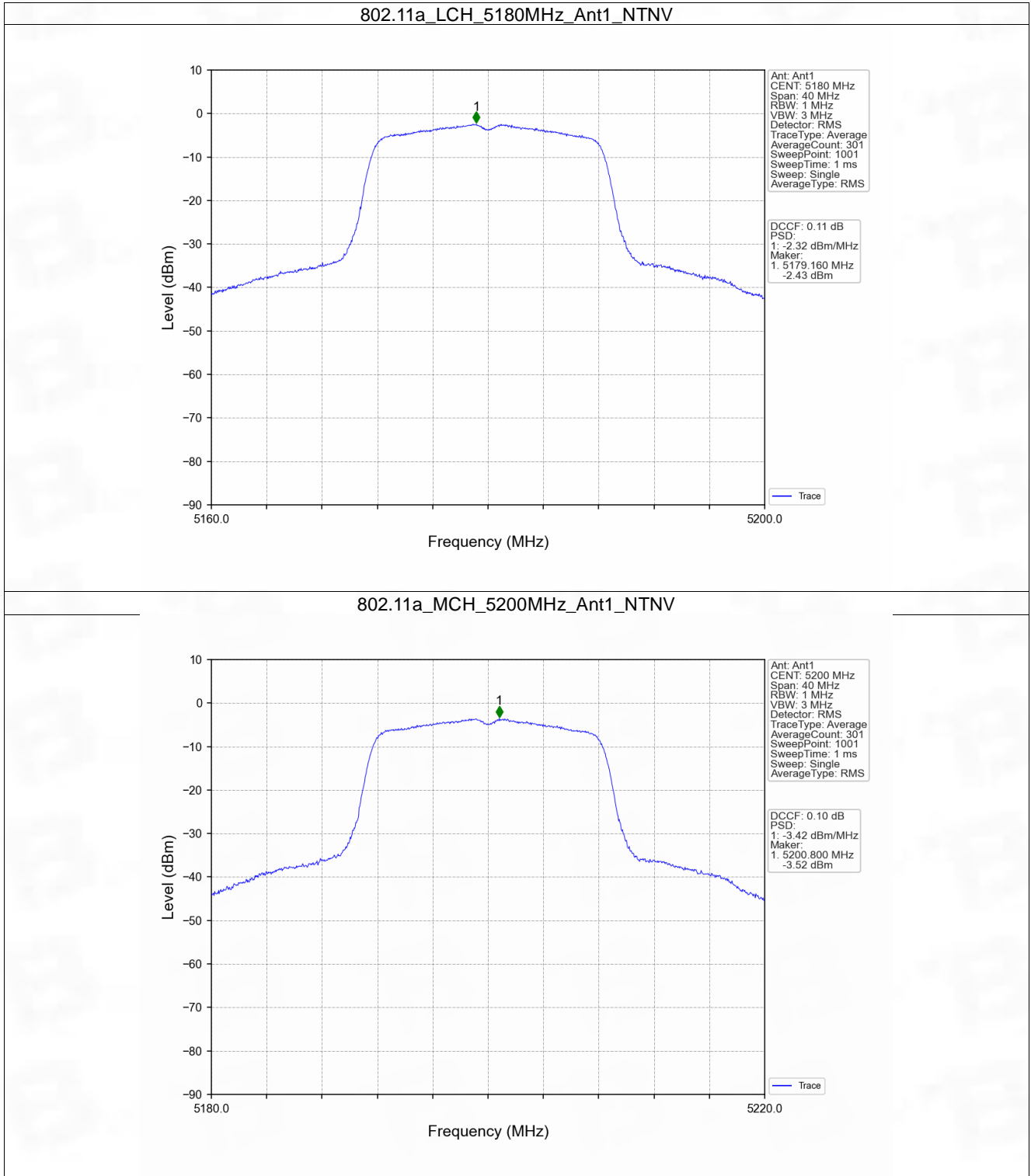
4.1 PSD

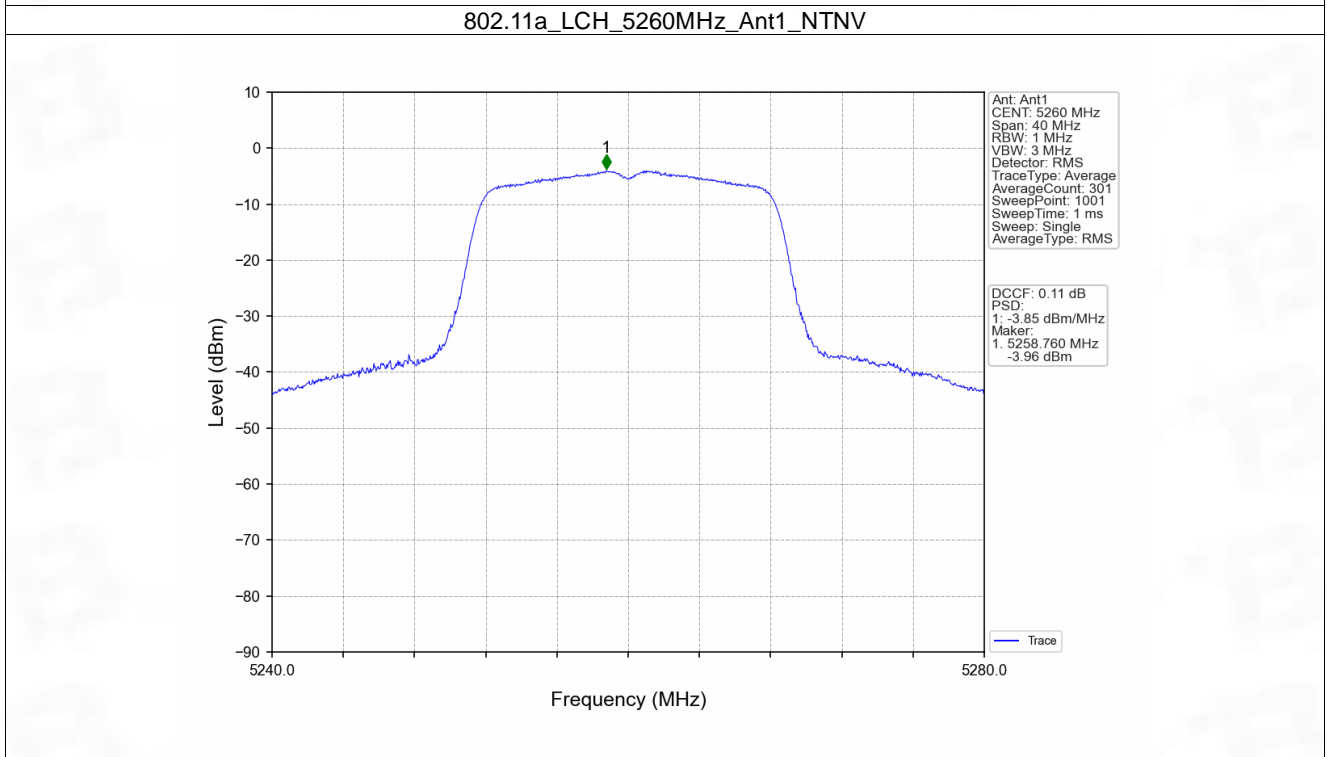
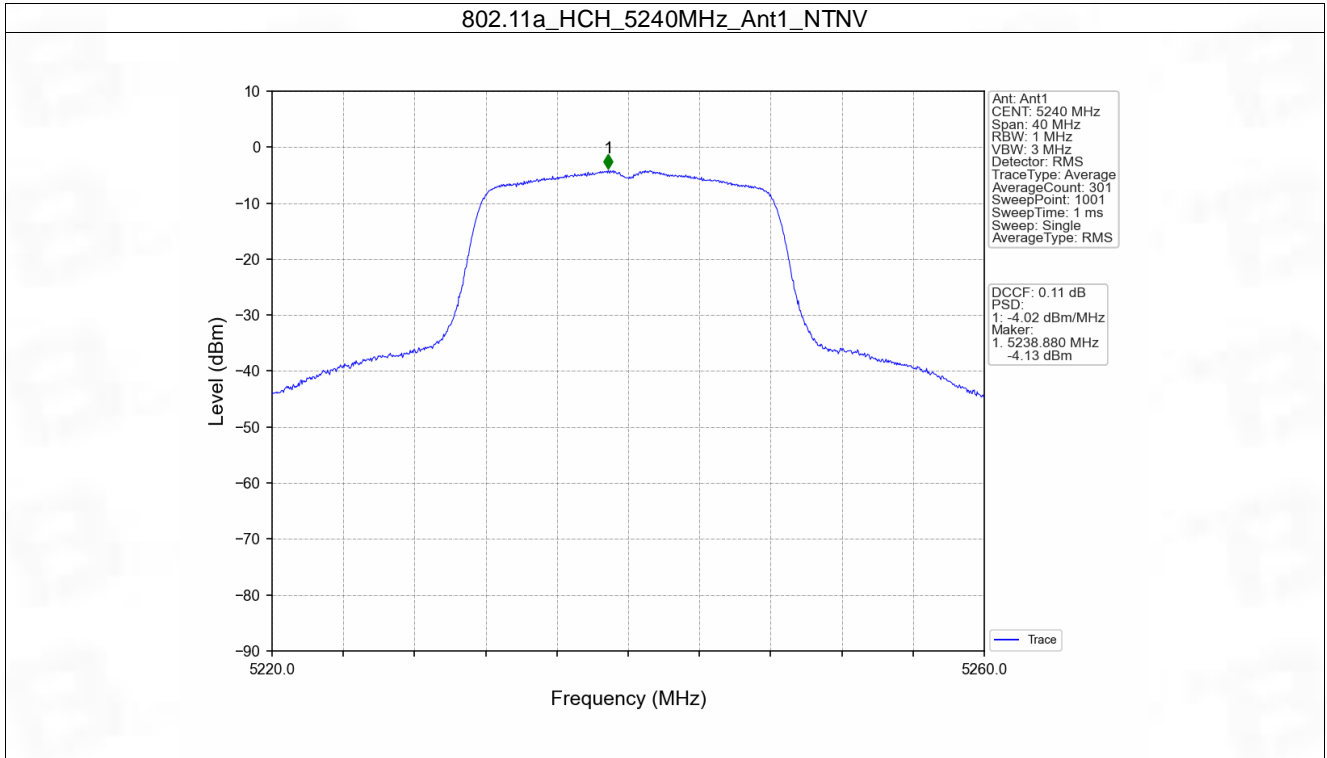
4.1.1 Test Result

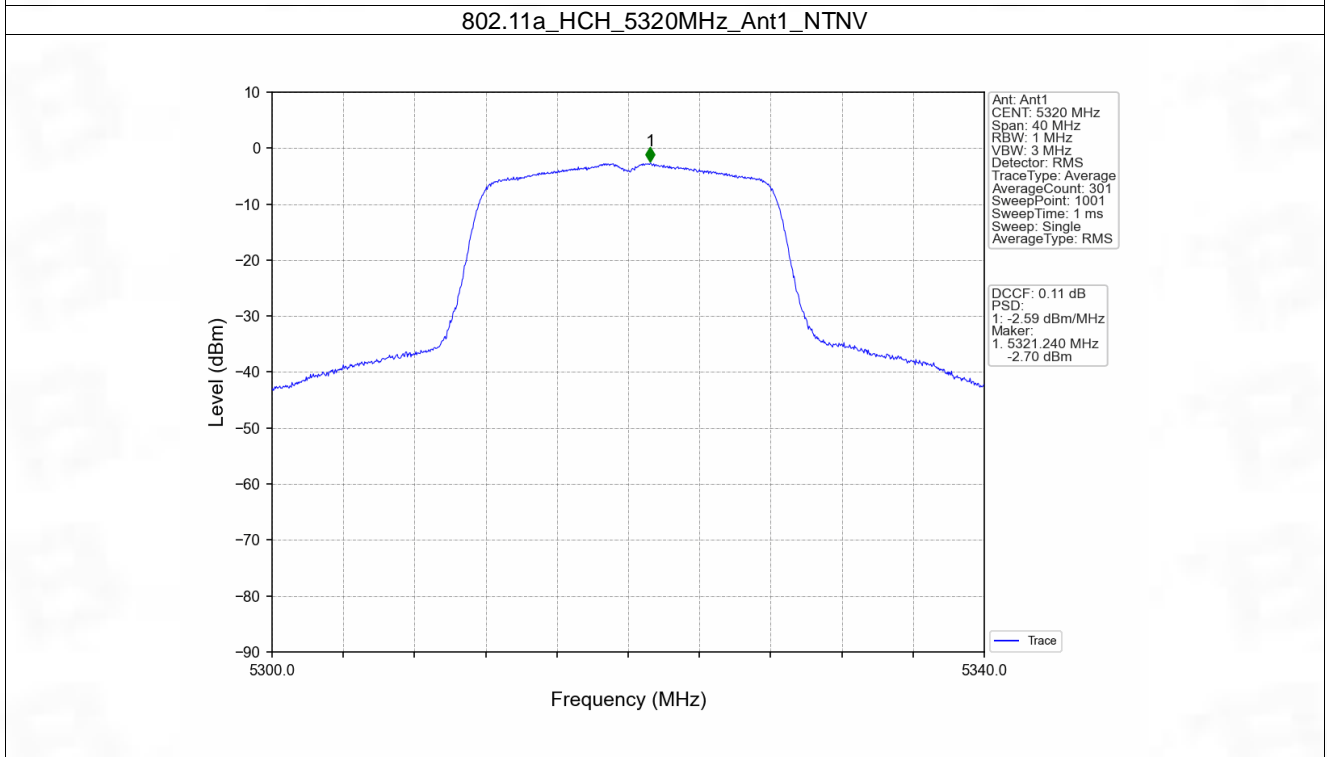
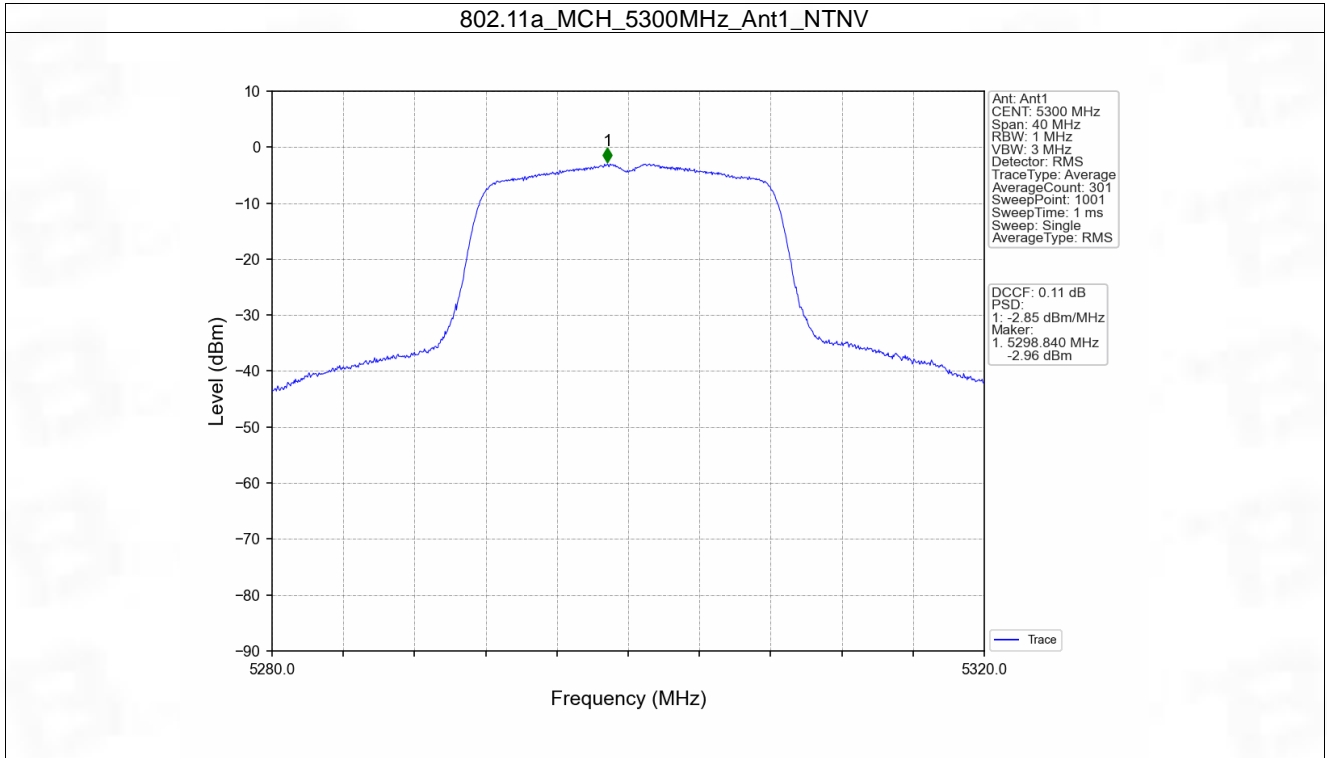
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-2.32	<=11	Pass
		5200	-3.42	<=11	Pass
		5240	-4.02	<=11	Pass
		5260	-3.85	<=11	Pass
		5300	-2.85	<=11	Pass
		5320	-2.59	<=11	Pass
802.11n (HT20)	SISO	5180	-3.73	<=11	Pass
		5200	-3.95	<=11	Pass
		5240	-4.19	<=11	Pass
		5260	-3.98	<=11	Pass
		5300	-3.16	<=11	Pass
		5320	-2.46	<=11	Pass
802.11n (HT40)	SISO	5190	-6.82	<=11	Pass
		5230	-7.36	<=11	Pass
		5270	-6.89	<=11	Pass
		5310	-6.04	<=11	Pass

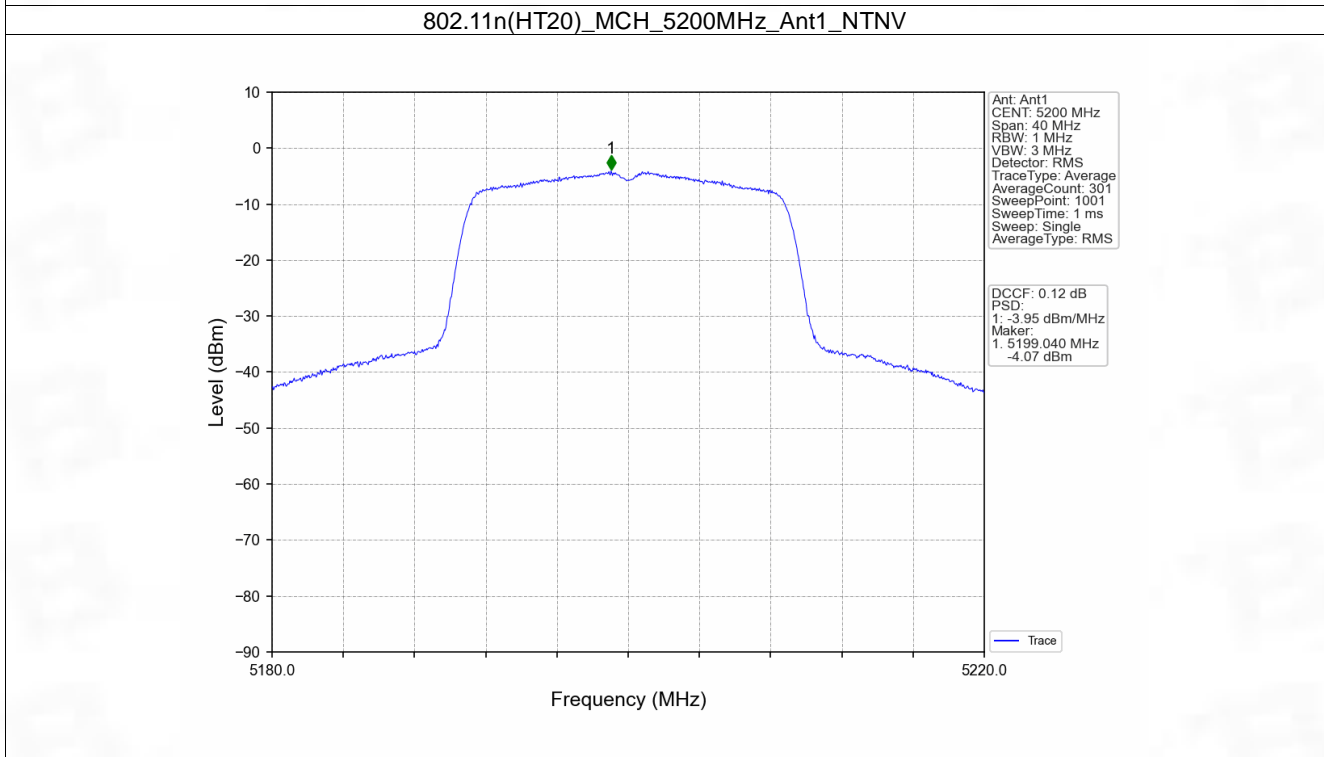
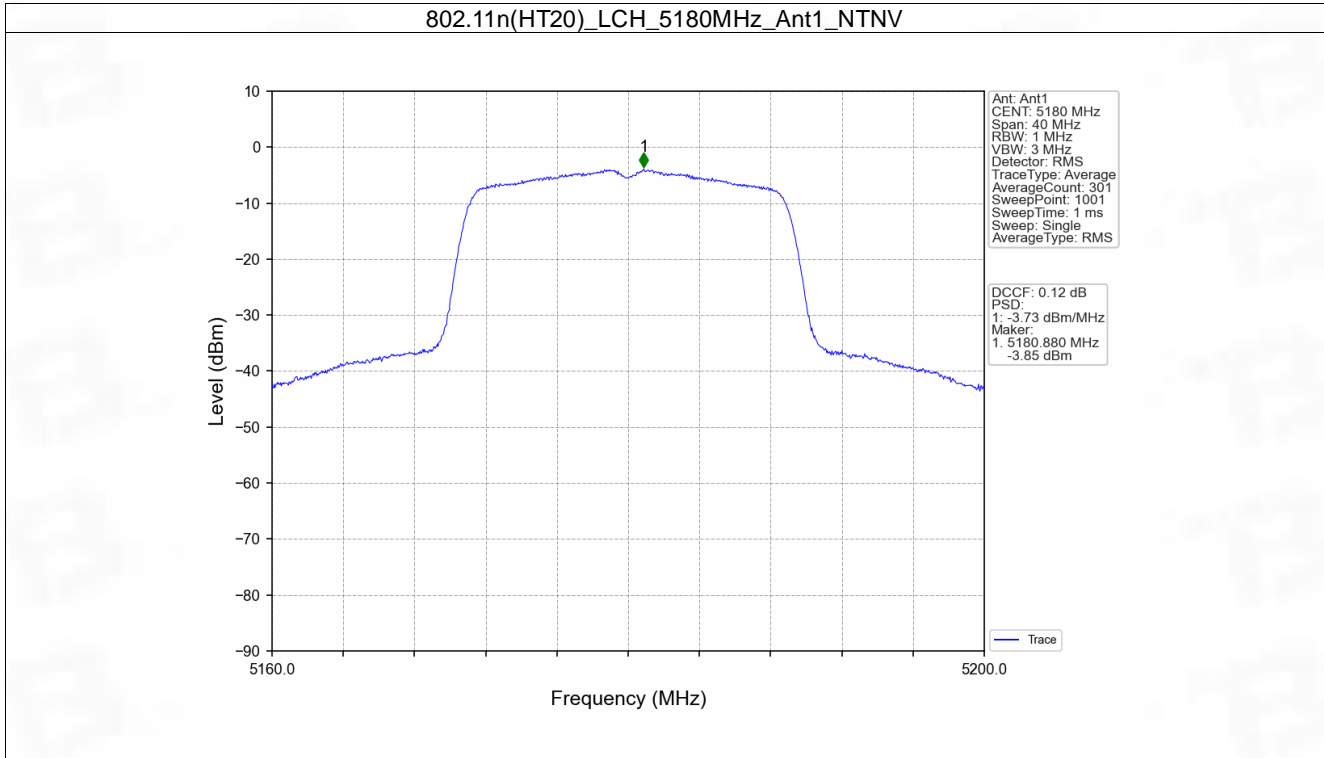
Note1: Antenna Gain: Ant1: 2.39dBi;

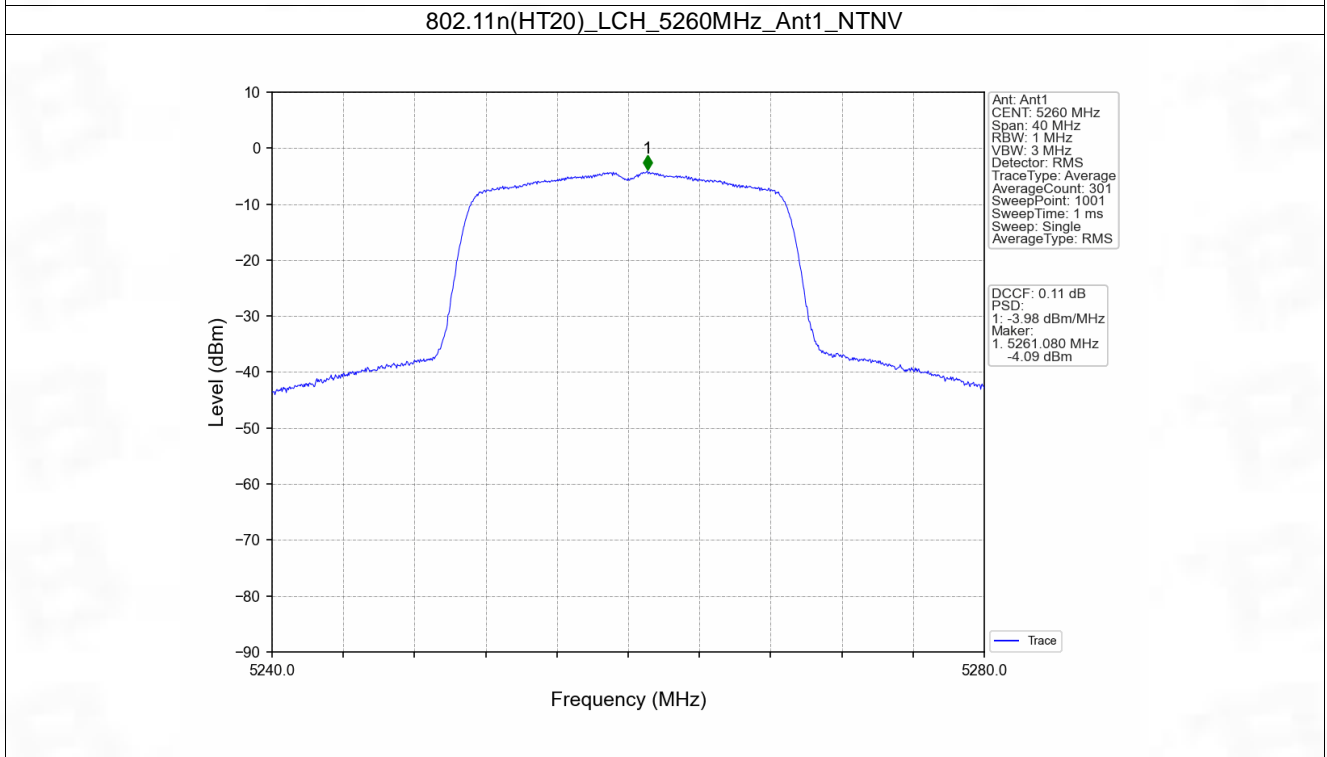
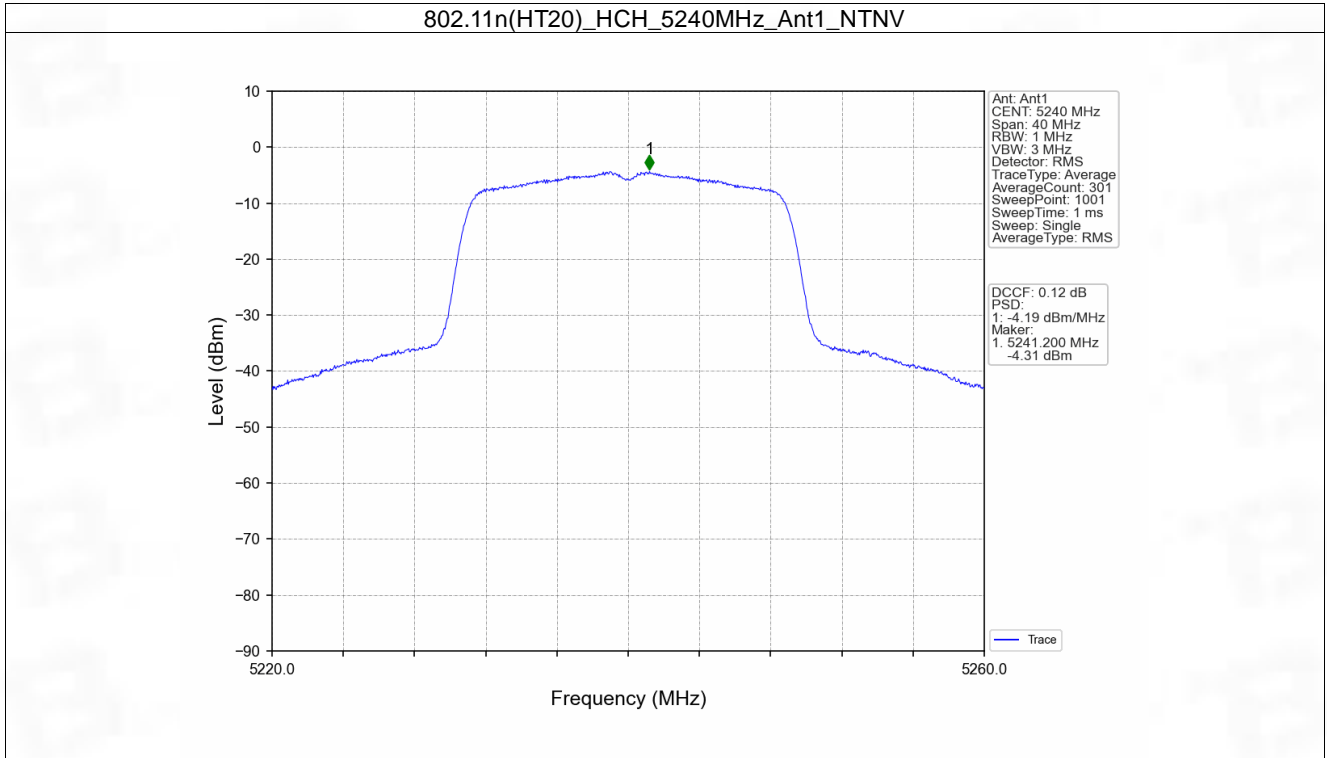
4.1.2 Test Graph

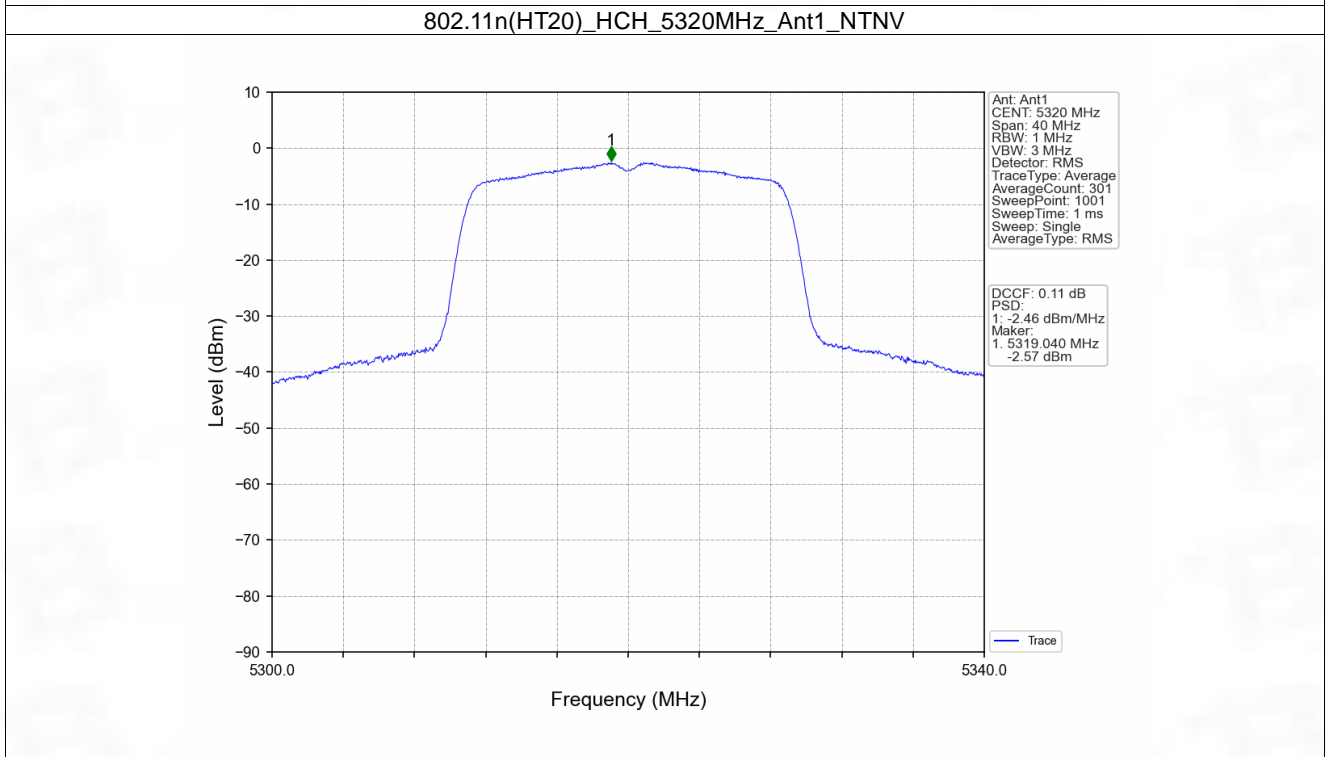
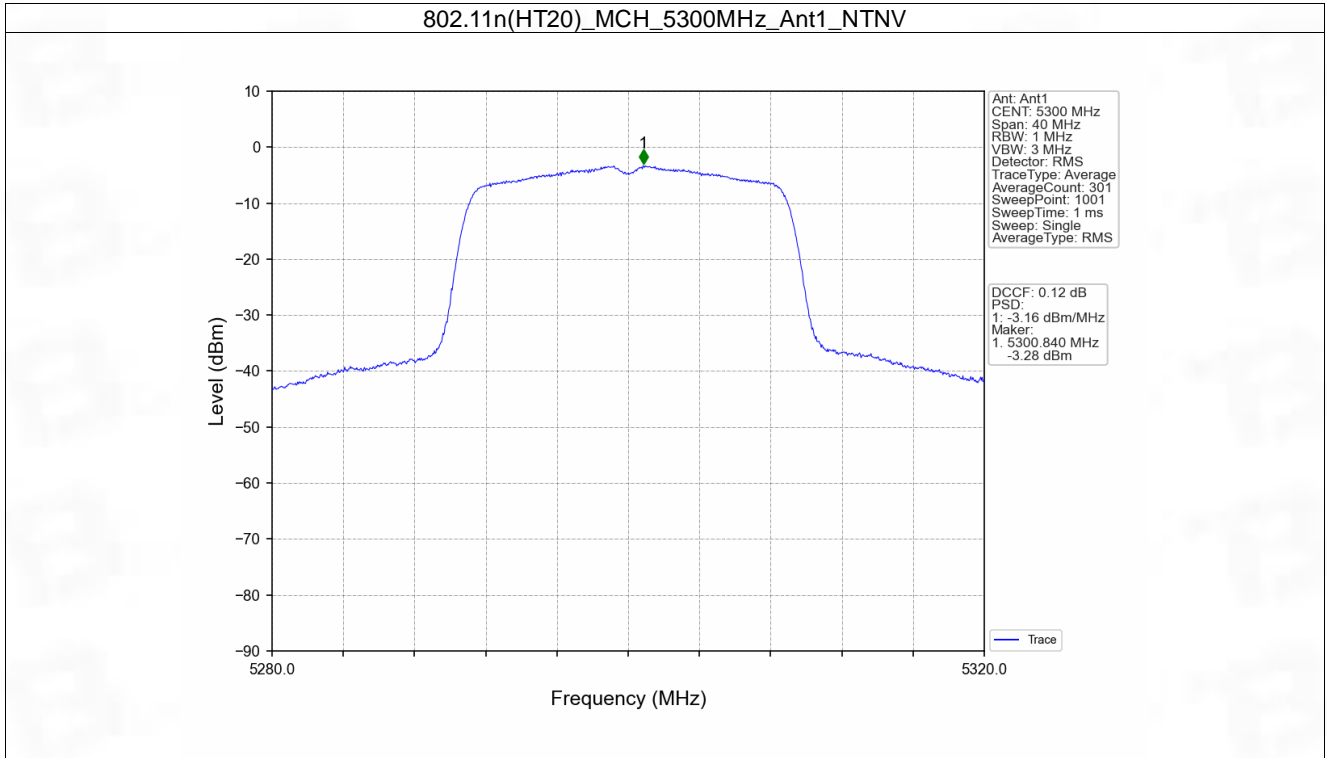


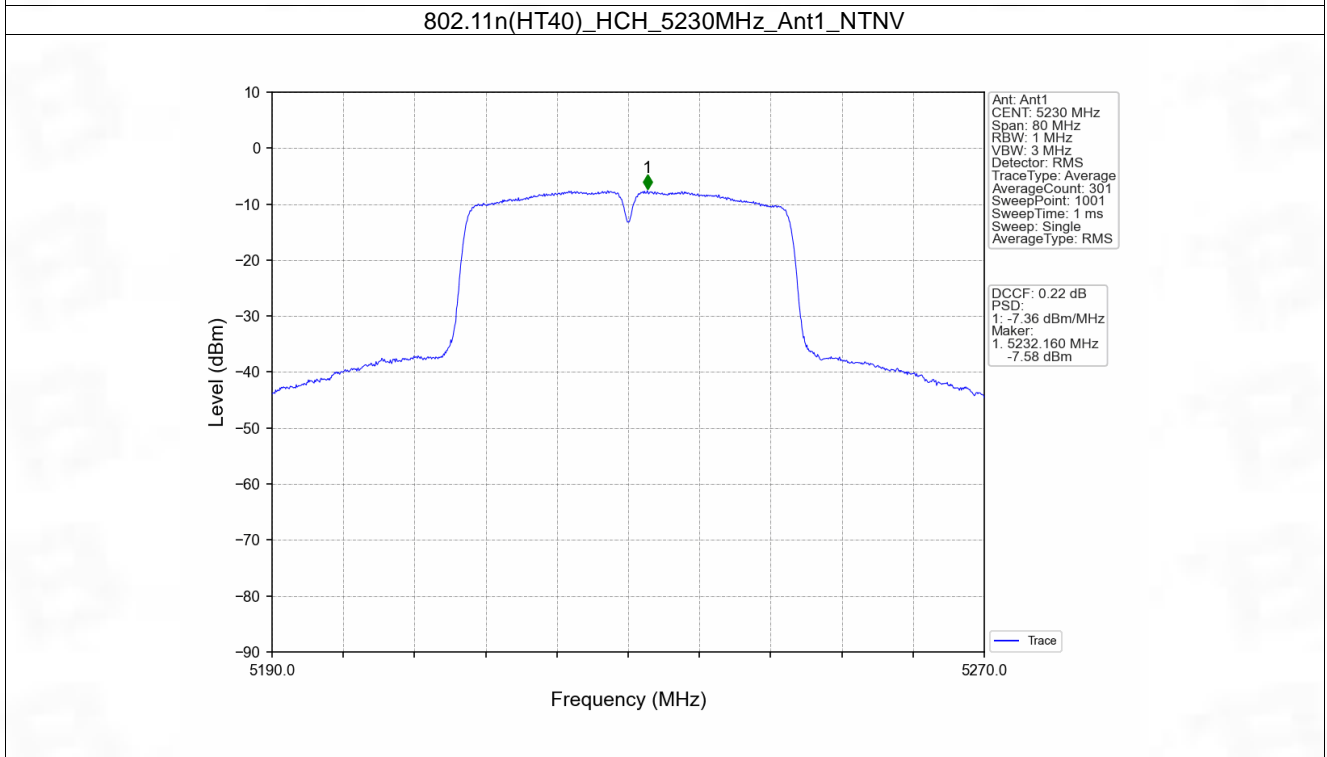
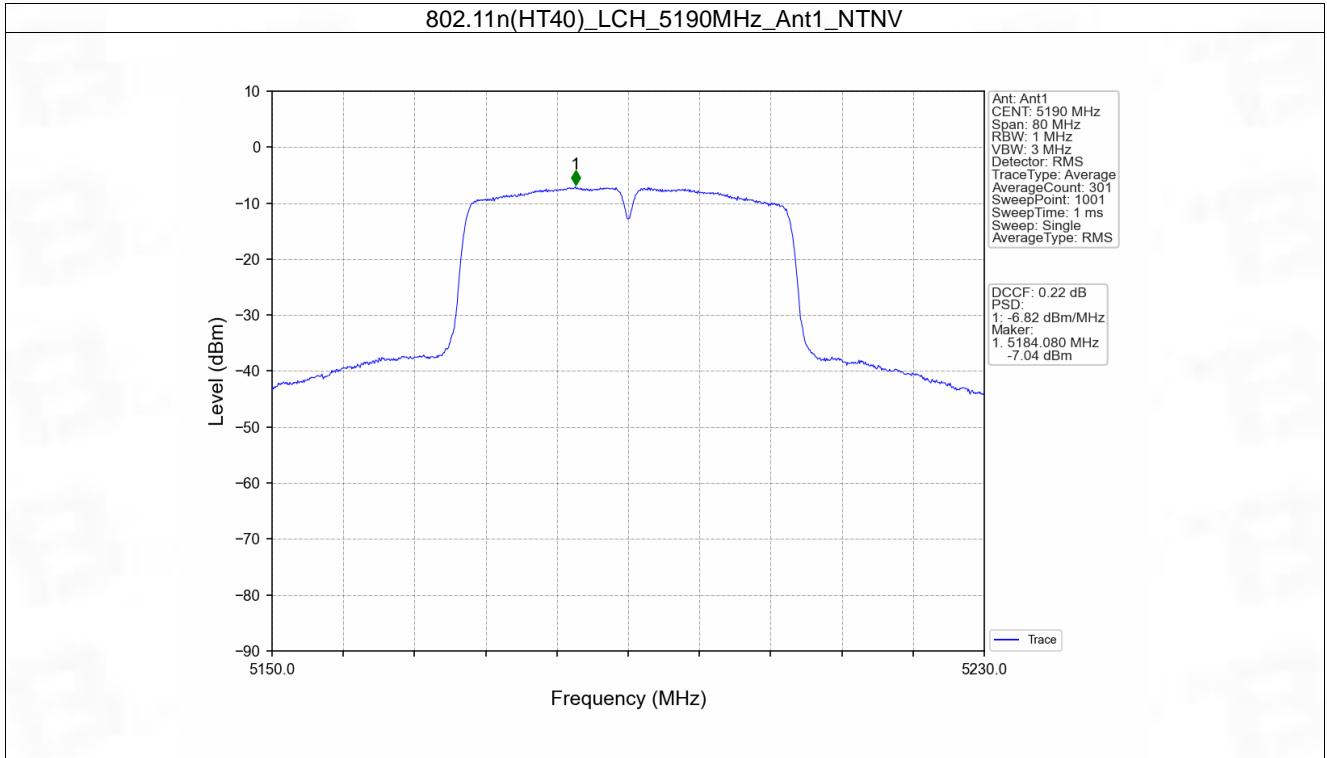


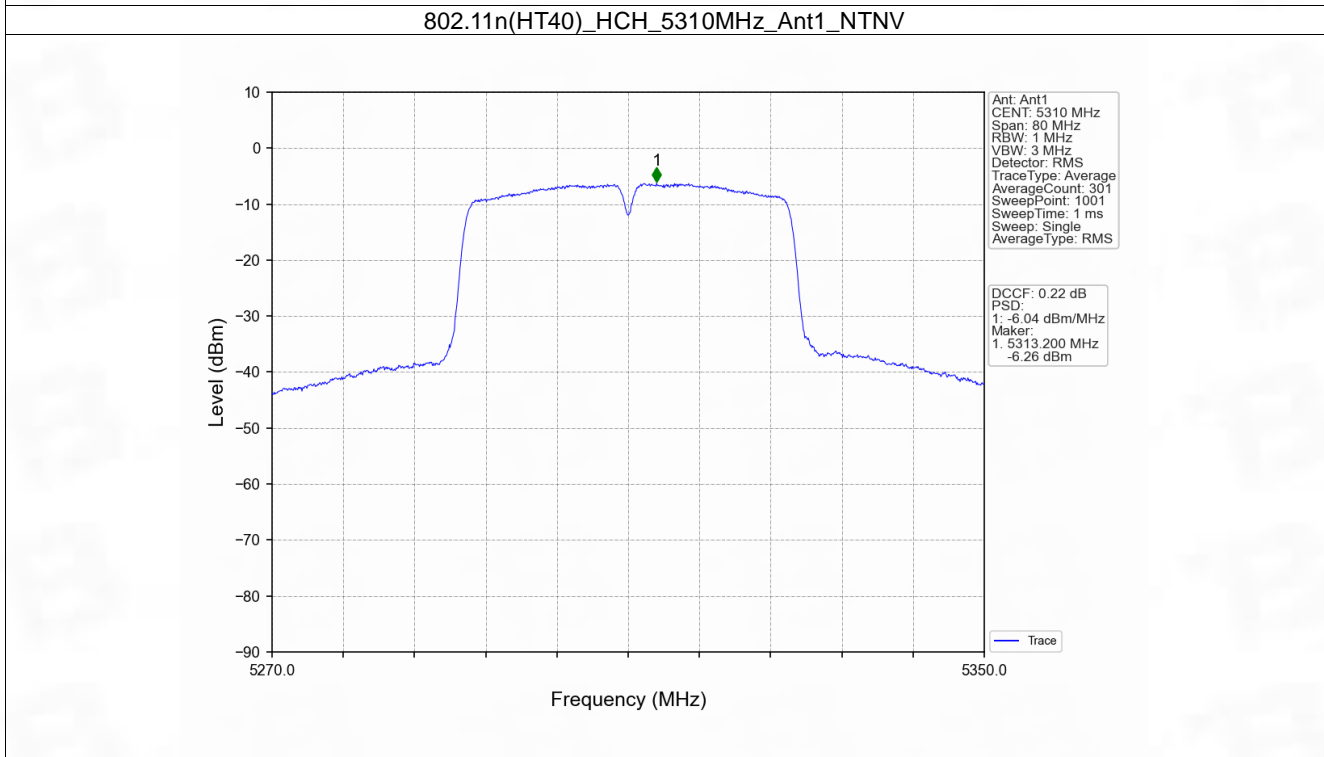
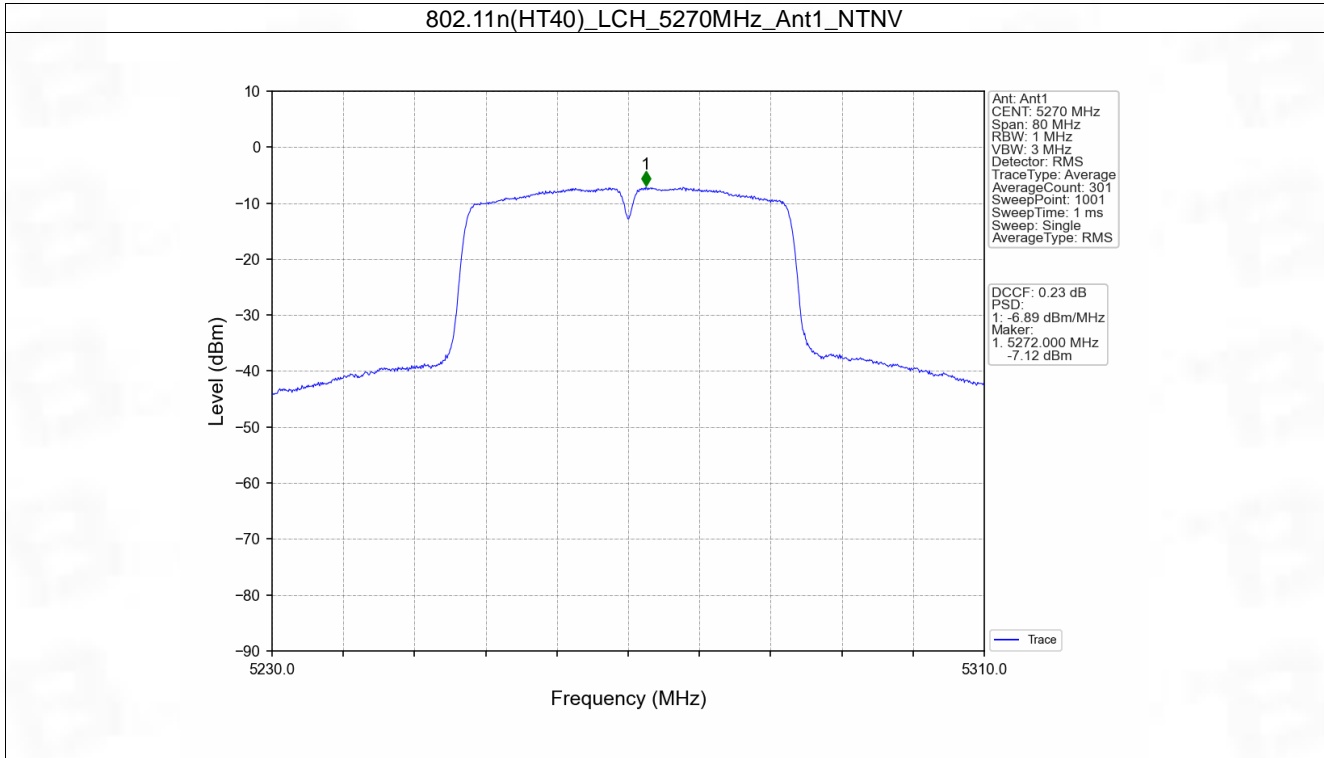












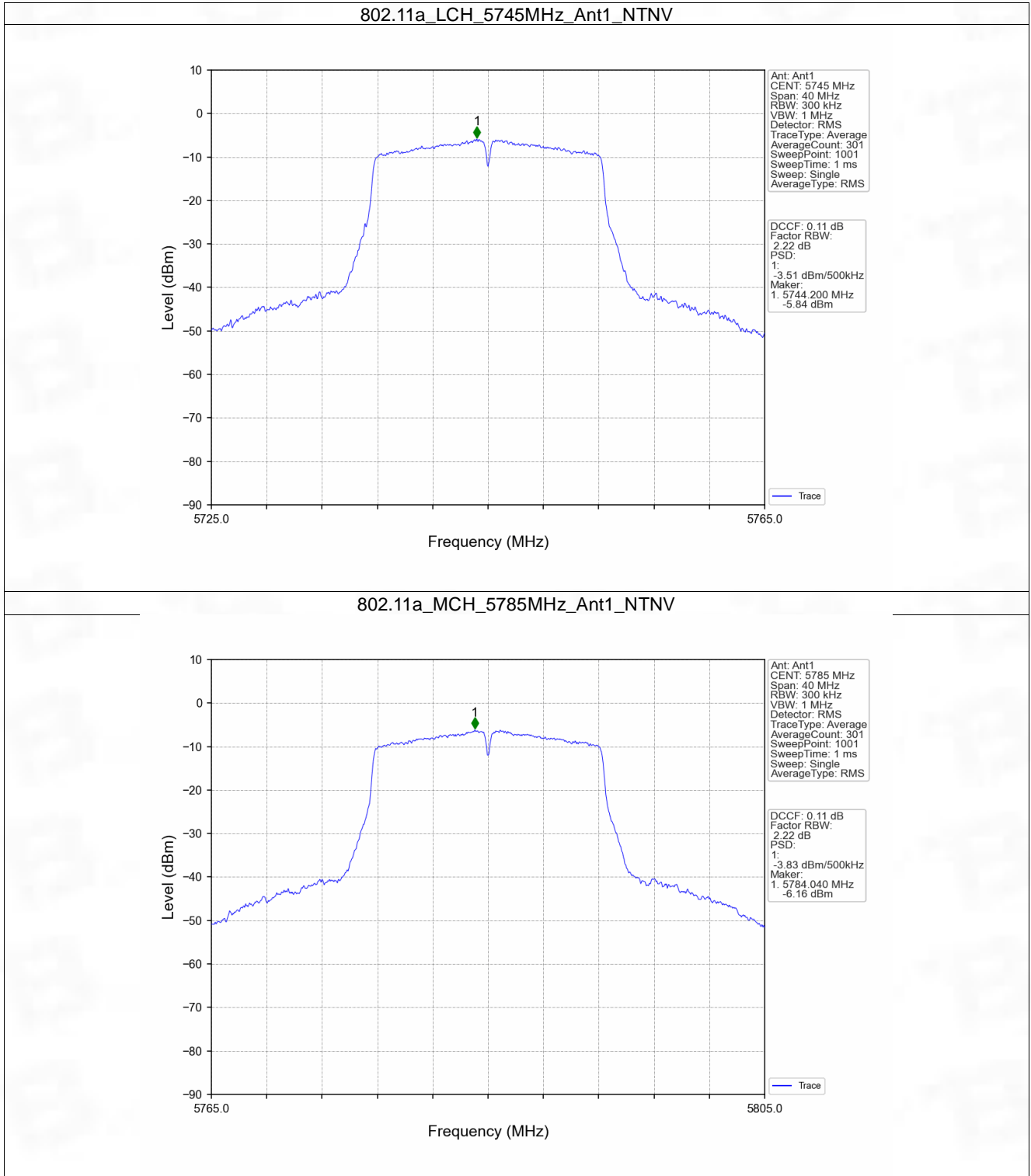
4.2 PSD-Band3

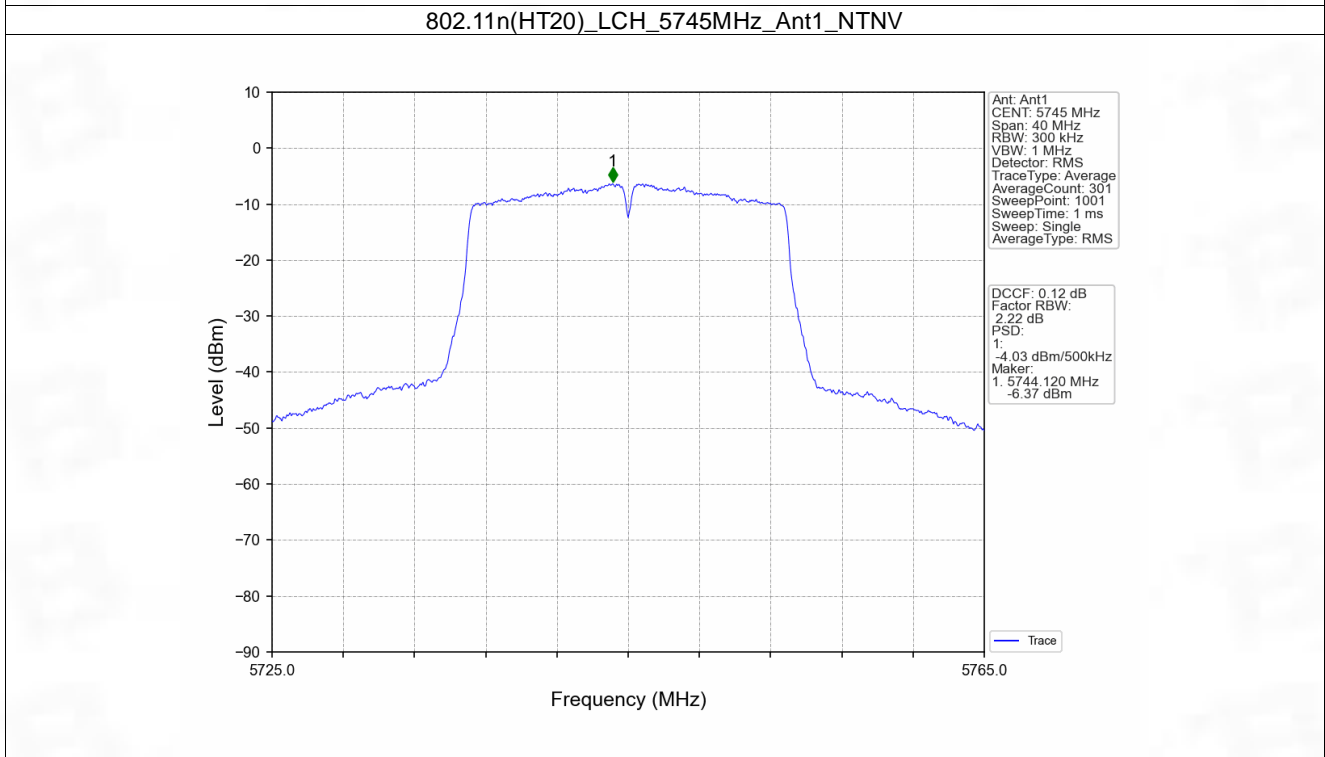
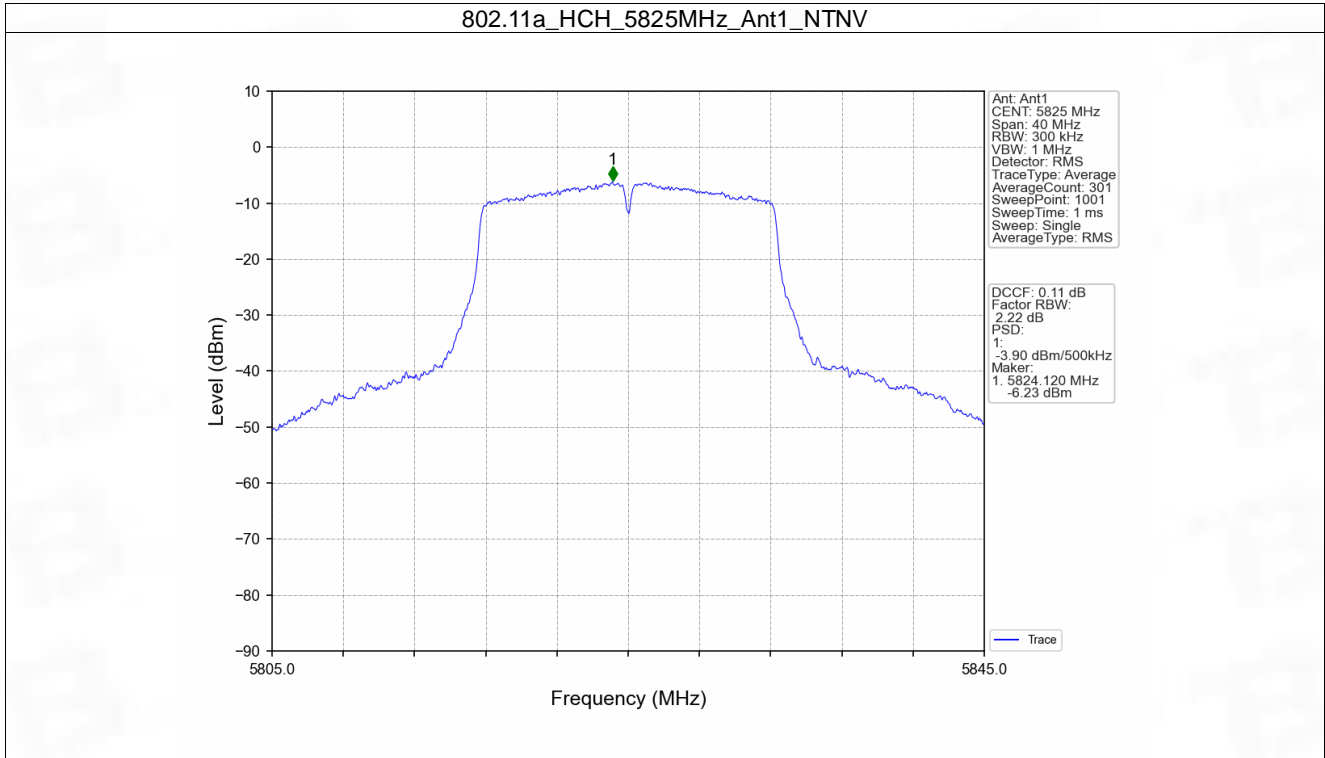
4.2.1 Test Result

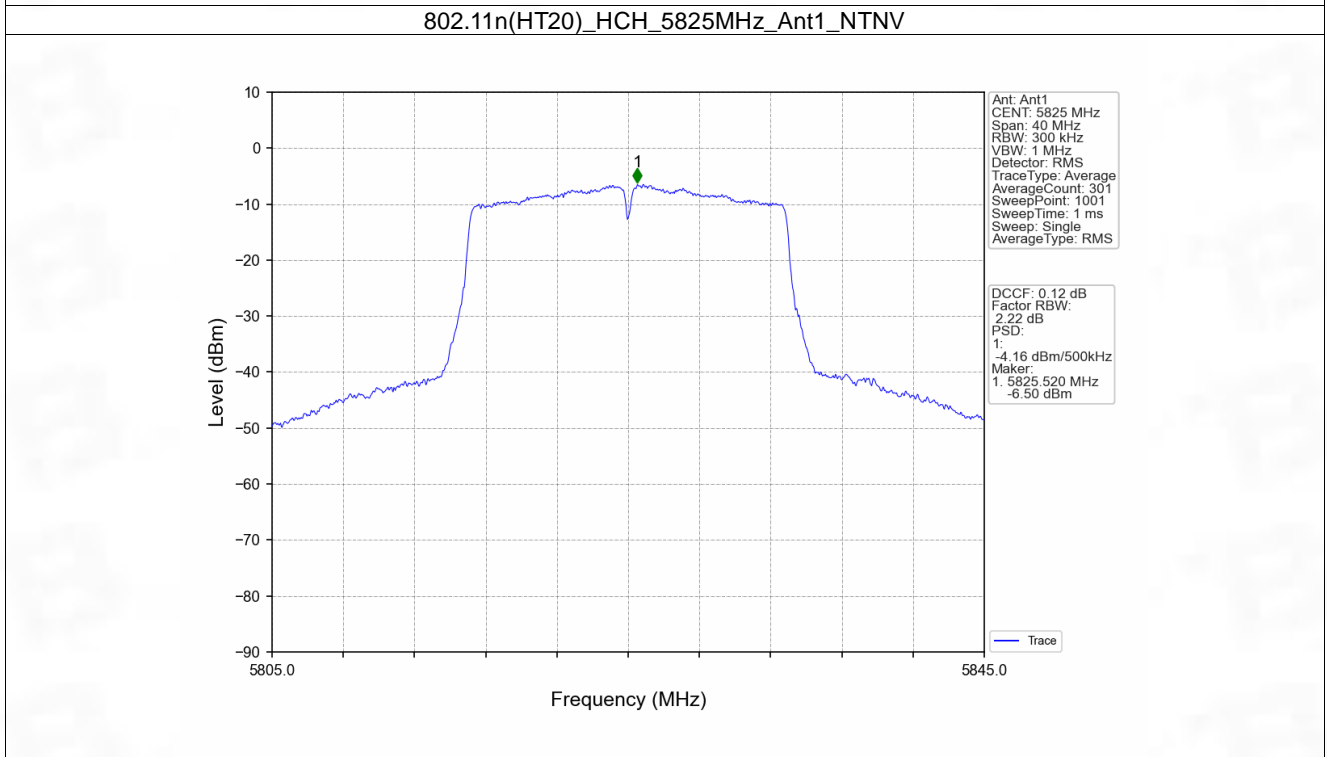
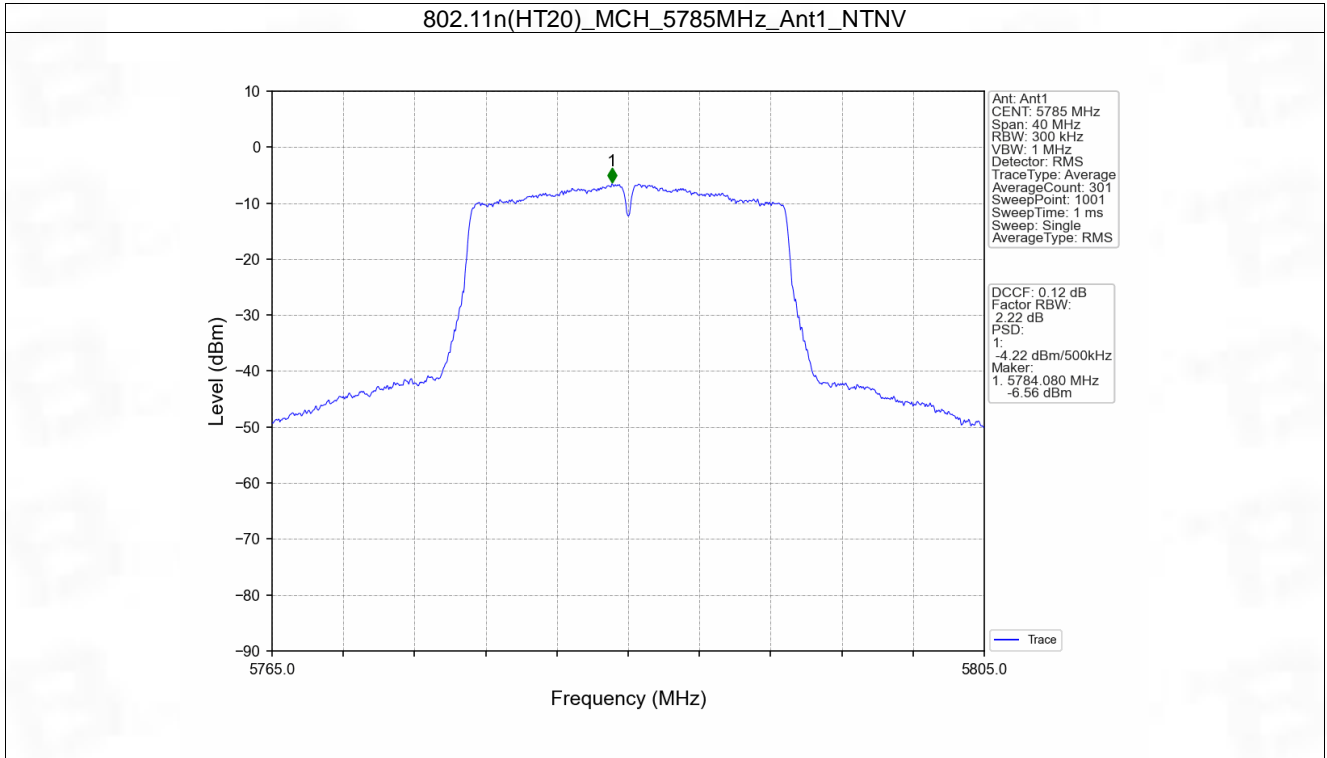
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-3.51	<=30	Pass
		5785	-3.83	<=30	Pass
		5825	-3.90	<=30	Pass
802.11n (HT20)	SISO	5745	-4.03	<=30	Pass
		5785	-4.22	<=30	Pass
		5825	-4.16	<=30	Pass
802.11n (HT40)	SISO	5755	-7.43	<=30	Pass
		5795	-7.58	<=30	Pass

Note1: Antenna Gain: Ant1: 2.39dBi;

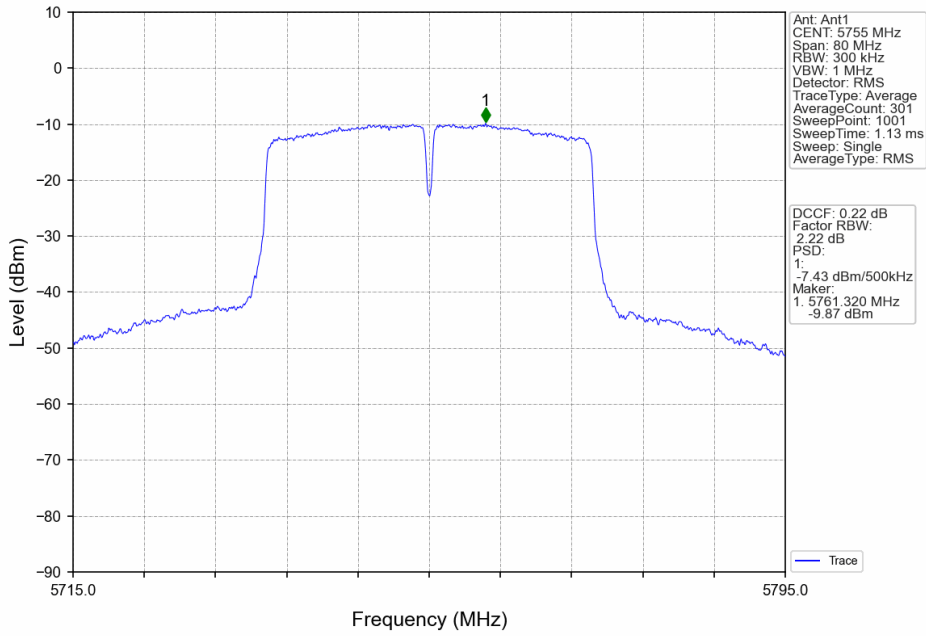
4.2.2 Test Graph



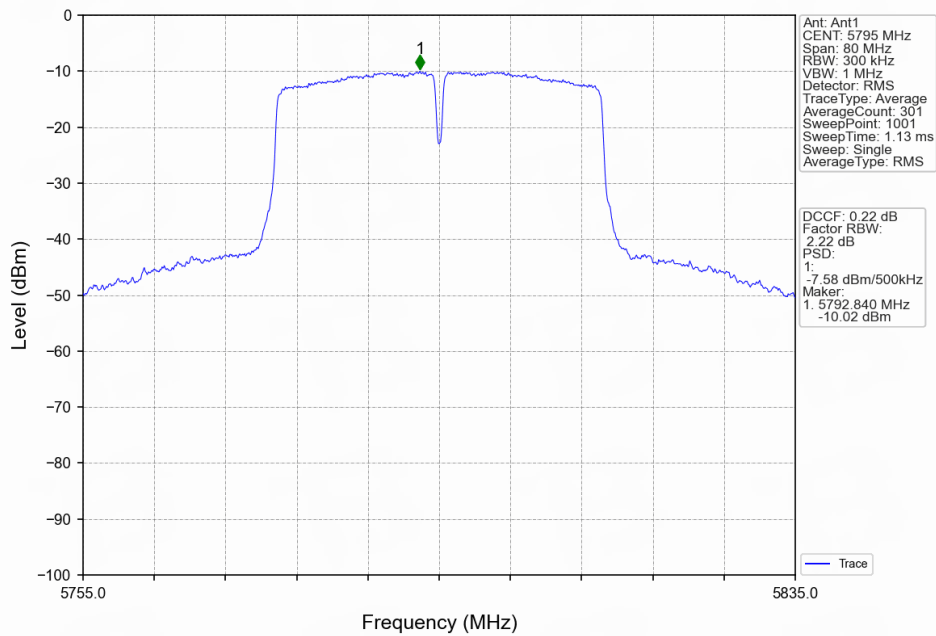




802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_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	5179.987	5150 to 5250	Pass	
				120	5179.987	5150 to 5250	Pass	
				138	5179.987	5150 to 5250	Pass	
			-30	120	5179.987	5150 to 5250	Pass	
				-20	120	5179.986	5150 to 5250	Pass
					120	5179.986	5150 to 5250	Pass
			-10	120	5179.986	5150 to 5250	Pass	
				120	5179.986	5150 to 5250	Pass	
			0	120	5179.986	5150 to 5250	Pass	
				120	5179.986	5150 to 5250	Pass	
			10	120	5179.986	5150 to 5250	Pass	
				120	5179.986	5150 to 5250	Pass	
		30	120	5179.986	5150 to 5250	Pass		
			120	5179.986	5150 to 5250	Pass		
		40	120	5179.986	5150 to 5250	Pass		
			120	5179.986	5150 to 5250	Pass		
		50	120	5179.986	5150 to 5250	Pass		
			120	5179.986	5150 to 5250	Pass		
		5200	20	102	5199.987	5150 to 5250	Pass	
				120	5199.986	5150 to 5250	Pass	
				138	5199.986	5150 to 5250	Pass	
			-30	120	5199.986	5150 to 5250	Pass	
				-20	120	5199.986	5150 to 5250	Pass
					120	5199.986	5150 to 5250	Pass
			-10	120	5199.986	5150 to 5250	Pass	
				120	5199.986	5150 to 5250	Pass	
			0	120	5199.986	5150 to 5250	Pass	
				120	5199.986	5150 to 5250	Pass	
			10	120	5199.986	5150 to 5250	Pass	
				120	5199.986	5150 to 5250	Pass	
		30	120	5199.986	5150 to 5250	Pass		
			120	5199.986	5150 to 5250	Pass		
		40	120	5199.986	5150 to 5250	Pass		
			120	5199.986	5150 to 5250	Pass		
		50	120	5199.986	5150 to 5250	Pass		
			120	5199.986	5150 to 5250	Pass		
		5240	20	102	5239.986	5150 to 5250	Pass	
				120	5239.986	5150 to 5250	Pass	
				138	5239.986	5150 to 5250	Pass	
			-30	120	5239.986	5150 to 5250	Pass	
				-20	120	5239.986	5150 to 5250	Pass
					120	5239.986	5150 to 5250	Pass
			-10	120	5239.986	5150 to 5250	Pass	
				120	5239.986	5150 to 5250	Pass	
			0	120	5239.986	5150 to 5250	Pass	
				120	5239.986	5150 to 5250	Pass	
			10	120	5239.986	5150 to 5250	Pass	
				120	5239.986	5150 to 5250	Pass	
30	120	5239.986	5150 to 5250	Pass				
	120	5239.986	5150 to 5250	Pass				
40	120	5239.986	5150 to 5250	Pass				
	120	5239.986	5150 to 5250	Pass				
50	120	5239.986	5150 to 5250	Pass				
	120	5239.986	5150 to 5250	Pass				
5260	20	102	5259.987	5250 to 5350	Pass			
		120	5259.987	5250 to 5350	Pass			
		138	5259.987	5250 to 5350	Pass			
	-30	120	5259.986	5250 to 5350	Pass			
		-20	120	5259.986	5250 to 5350	Pass		
			120	5259.986	5250 to 5350	Pass		
	-10	120	5259.986	5250 to 5350	Pass			
		120	5259.986	5250 to 5350	Pass			
	0	120	5259.986	5250 to 5350	Pass			
		120	5259.986	5250 to 5350	Pass			
	10	120	5259.986	5250 to 5350	Pass			
		120	5259.986	5250 to 5350	Pass			
30	120	5259.986	5250 to 5350	Pass				
	120	5259.986	5250 to 5350	Pass				
40	120	5259.986	5250 to 5350	Pass				
	120	5259.986	5250 to 5350	Pass				
50	120	5259.986	5250 to 5350	Pass				
	120	5259.986	5250 to 5350	Pass				
5300	20	102	5299.987	5250 to 5350	Pass			
		120	5299.986	5250 to 5350	Pass			

				138	5299.986	5250 to 5350	Pass
			-30	120	5299.986	5250 to 5350	Pass
			-20	120	5299.986	5250 to 5350	Pass
			-10	120	5299.986	5250 to 5350	Pass
			0	120	5299.986	5250 to 5350	Pass
			10	120	5299.986	5250 to 5350	Pass
			30	120	5299.986	5250 to 5350	Pass
			40	120	5299.986	5250 to 5350	Pass
		50	120	5299.986	5250 to 5350	Pass	
		5320	20	102	5319.987	5250 to 5350	Pass
				120	5319.986	5250 to 5350	Pass
				138	5319.986	5250 to 5350	Pass
			-30	120	5319.986	5250 to 5350	Pass
			-20	120	5319.986	5250 to 5350	Pass
			-10	120	5319.986	5250 to 5350	Pass
			0	120	5319.986	5250 to 5350	Pass
			10	120	5319.986	5250 to 5350	Pass
			30	120	5319.986	5250 to 5350	Pass
			40	120	5319.986	5250 to 5350	Pass
			50	120	5319.986	5250 to 5350	Pass
			5745	20	102	5744.986	5725 to 5850
		120			5744.985	5725 to 5850	Pass
		138			5744.985	5725 to 5850	Pass
		-30		120	5744.985	5725 to 5850	Pass
		-20		120	5744.985	5725 to 5850	Pass
		-10		120	5744.985	5725 to 5850	Pass
		0		120	5744.985	5725 to 5850	Pass
		10		120	5744.985	5725 to 5850	Pass
		30		120	5744.985	5725 to 5850	Pass
		40		120	5744.985	5725 to 5850	Pass
		50		120	5744.985	5725 to 5850	Pass
		5785		20	102	5784.985	5725 to 5850
			120		5784.985	5725 to 5850	Pass
			138		5784.985	5725 to 5850	Pass
			-30	120	5784.985	5725 to 5850	Pass
			-20	120	5784.985	5725 to 5850	Pass
			-10	120	5784.985	5725 to 5850	Pass
			0	120	5784.985	5725 to 5850	Pass
			10	120	5784.985	5725 to 5850	Pass
			30	120	5784.985	5725 to 5850	Pass
			40	120	5784.985	5725 to 5850	Pass
			50	120	5784.985	5725 to 5850	Pass
			5825	20	102	5825.000	5725 to 5850
		120			5824.987	5725 to 5850	Pass
		138			5824.986	5725 to 5850	Pass
-30	120	5824.986		5725 to 5850	Pass		
-20	120	5824.985		5725 to 5850	Pass		
-10	120	5824.985		5725 to 5850	Pass		
0	120	5824.985		5725 to 5850	Pass		
10	120	5824.985		5725 to 5850	Pass		
30	120	5824.985		5725 to 5850	Pass		
40	120	5824.985		5725 to 5850	Pass		
50	120	5824.985		5725 to 5850	Pass		
802.11n (HT40)	SISO	5190		20	102	5189.987	5150 to 5250
			120		5189.987	5150 to 5250	Pass
			138		5189.987	5150 to 5250	Pass
			-30	120	5189.987	5150 to 5250	Pass
			-20	120	5189.987	5150 to 5250	Pass

			-10	120	5189.987	5150 to 5250	Pass	
			0	120	5189.987	5150 to 5250	Pass	
			10	120	5189.987	5150 to 5250	Pass	
			30	120	5189.987	5150 to 5250	Pass	
			40	120	5189.987	5150 to 5250	Pass	
		50	120	5189.987	5150 to 5250	Pass		
		5230	20	102	5229.987	5150 to 5250	Pass	
				120	5229.987	5150 to 5250	Pass	
				138	5229.987	5150 to 5250	Pass	
			-30	120	5229.987	5150 to 5250	Pass	
			-20	120	5229.987	5150 to 5250	Pass	
			-10	120	5229.987	5150 to 5250	Pass	
			0	120	5229.987	5150 to 5250	Pass	
			10	120	5229.987	5150 to 5250	Pass	
			30	120	5229.987	5150 to 5250	Pass	
			40	120	5229.987	5150 to 5250	Pass	
			50	120	5229.987	5150 to 5250	Pass	
			5270	20	102	5269.987	5250 to 5350	Pass
					120	5269.987	5250 to 5350	Pass
		138			5269.987	5250 to 5350	Pass	
		-30		120	5269.986	5250 to 5350	Pass	
		-20		120	5269.986	5250 to 5350	Pass	
		-10		120	5269.986	5250 to 5350	Pass	
		0		120	5269.986	5250 to 5350	Pass	
		10		120	5269.986	5250 to 5350	Pass	
		30		120	5269.986	5250 to 5350	Pass	
		40		120	5269.986	5250 to 5350	Pass	
		50		120	5269.986	5250 to 5350	Pass	
		5310		20	102	5309.987	5250 to 5350	Pass
					120	5309.987	5250 to 5350	Pass
			138		5309.987	5250 to 5350	Pass	
			-30	120	5309.986	5250 to 5350	Pass	
			-20	120	5309.986	5250 to 5350	Pass	
			-10	120	5309.986	5250 to 5350	Pass	
			0	120	5309.986	5250 to 5350	Pass	
			10	120	5309.986	5250 to 5350	Pass	
			30	120	5309.986	5250 to 5350	Pass	
			40	120	5309.986	5250 to 5350	Pass	
			50	120	5309.986	5250 to 5350	Pass	
			5755	20	102	5754.986	5725 to 5850	Pass
					120	5754.985	5725 to 5850	Pass
		138			5754.985	5725 to 5850	Pass	
		-30		120	5754.985	5725 to 5850	Pass	
		-20		120	5754.985	5725 to 5850	Pass	
		-10		120	5754.985	5725 to 5850	Pass	
		0		120	5754.985	5725 to 5850	Pass	
		10		120	5754.985	5725 to 5850	Pass	
		30		120	5754.985	5725 to 5850	Pass	
		40		120	5754.985	5725 to 5850	Pass	
		50		120	5754.985	5725 to 5850	Pass	
5795	20	102		5794.986	5725 to 5850	Pass		
		120		5794.985	5725 to 5850	Pass		
		138	5794.985	5725 to 5850	Pass			
	-30	120	5794.985	5725 to 5850	Pass			
	-20	120	5794.985	5725 to 5850	Pass			
	-10	120	5794.985	5725 to 5850	Pass			
	0	120	5794.985	5725 to 5850	Pass			
10	120	5794.985	5725 to 5850	Pass				

			30	120	5794.985	5725 to 5850	Pass
			40	120	5794.985	5725 to 5850	Pass
			50	120	5794.985	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	0.0060	7.79
5260	5320	0.0064	8.05
5745	5825	0.0090	9.52
5190	5230	0.0051	7.09
5270	5310	0.0062	7.93
5755	5795	0.0090	9.56



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