

12 4. Maximum Power Spectral Density

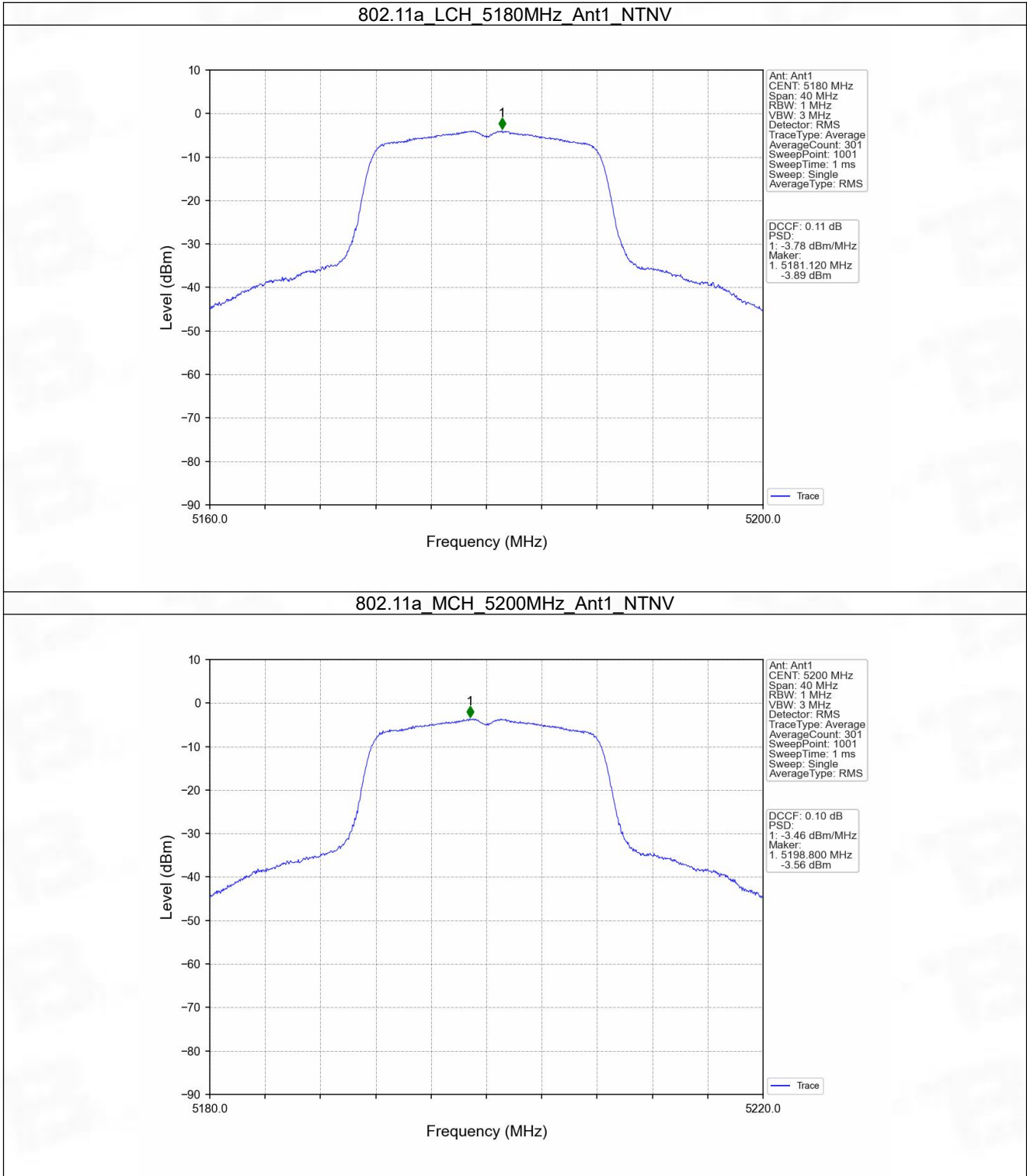
12.1 4.1 PSD

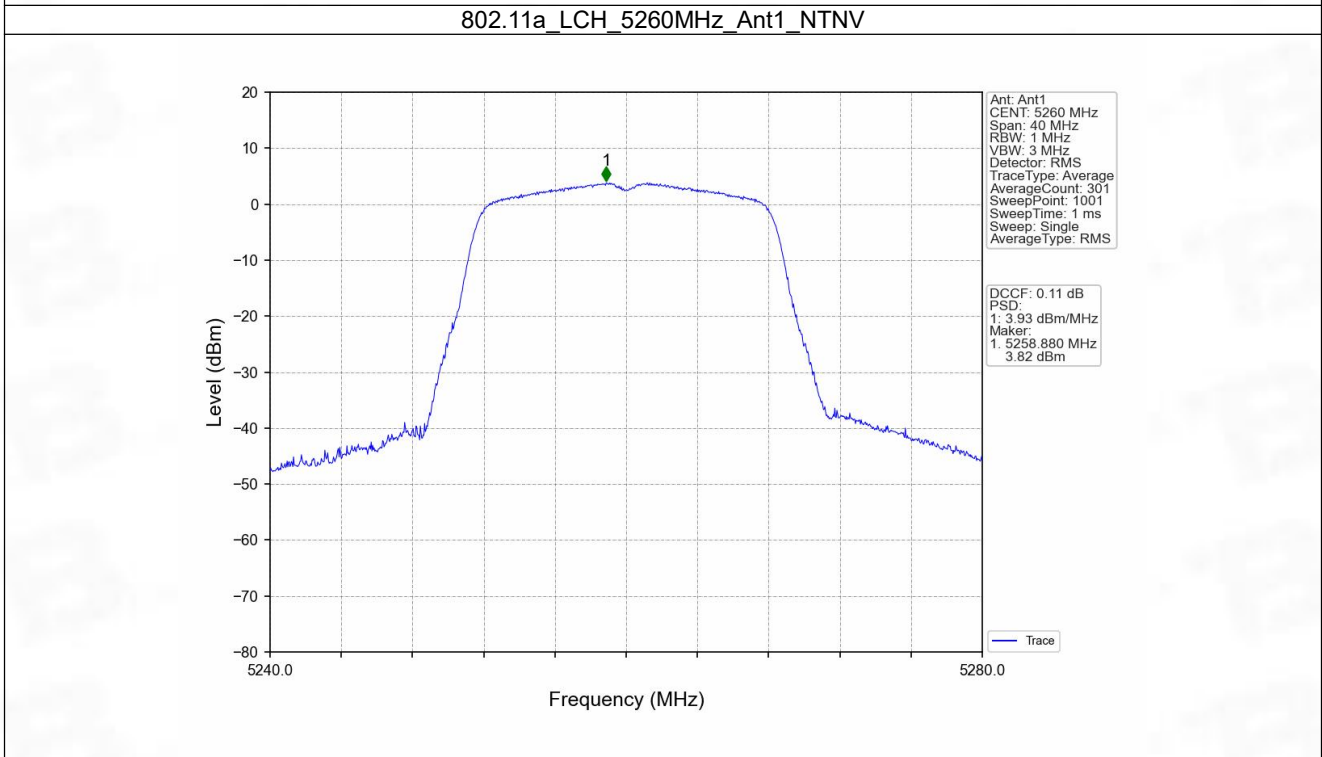
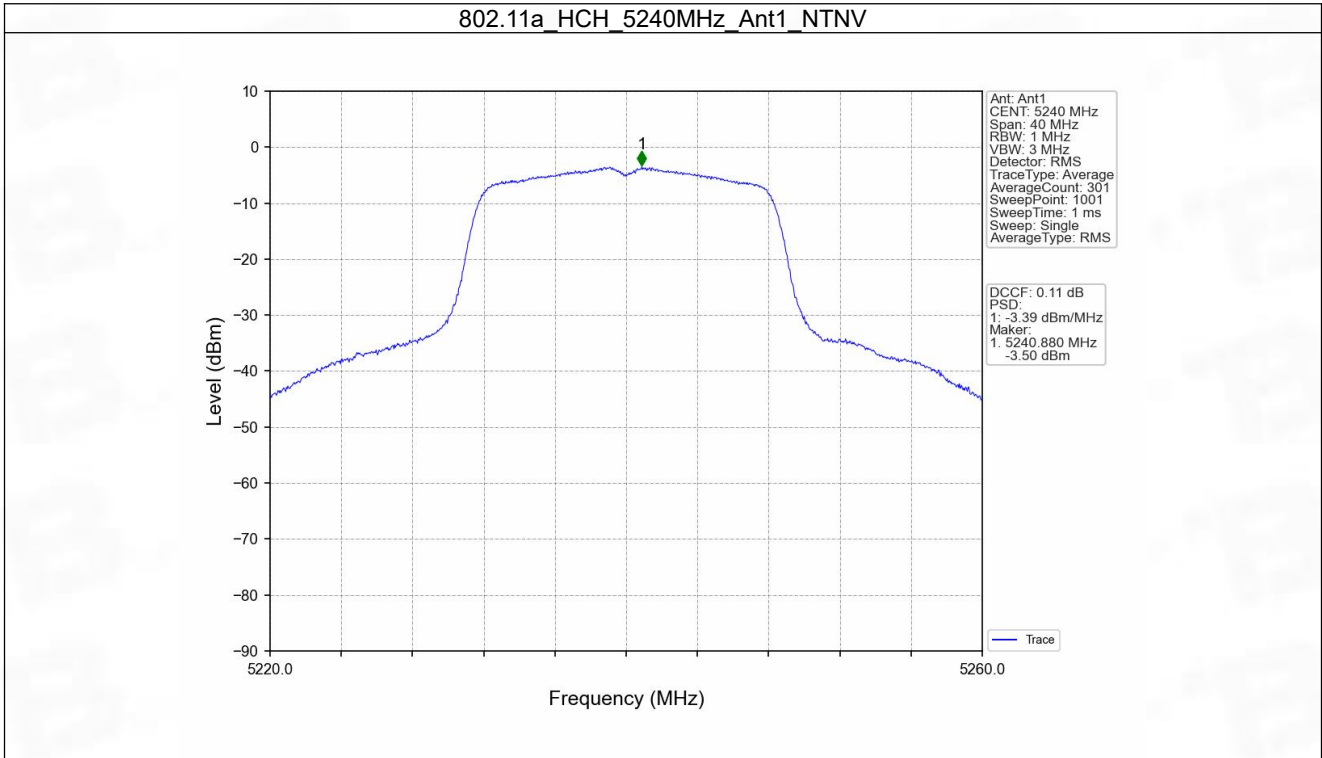
12.1.14.1.1 Test Result

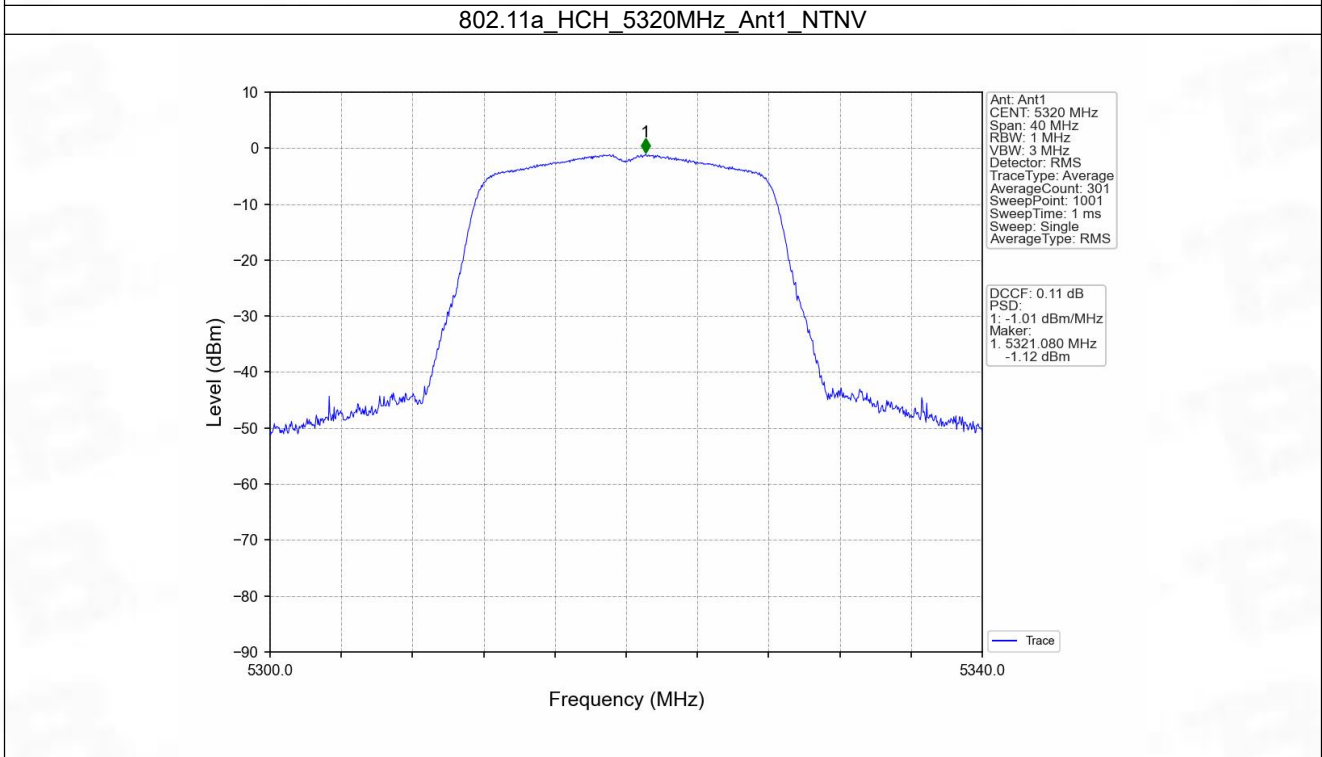
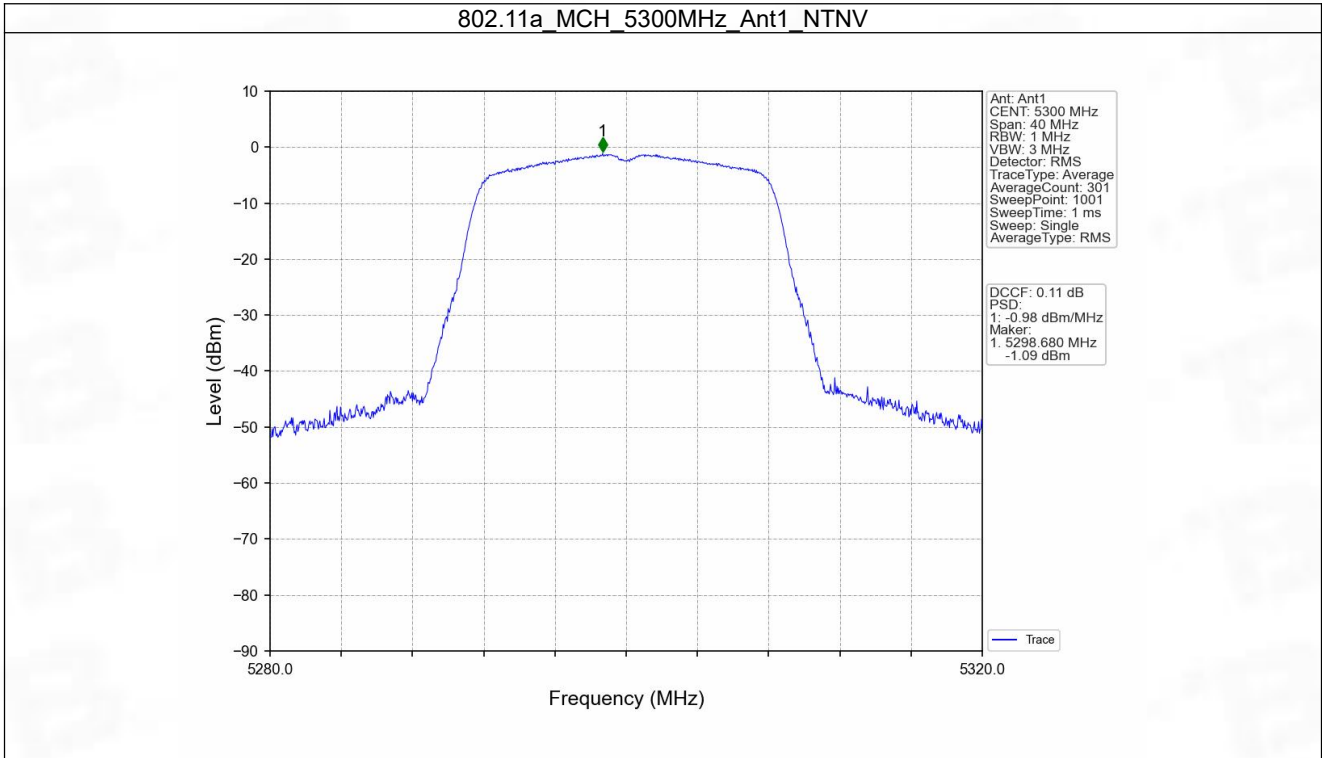
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-3.78	<=11	Pass
		5200	-3.46	<=11	Pass
		5240	-3.39	<=11	Pass
		5260	3.93	<=11	Pass
		5300	-0.98	<=11	Pass
		5320	-1.01	<=11	Pass
802.11n (HT20)	SISO	5180	-3.91	<=11	Pass
		5200	-4.20	<=11	Pass
		5240	-3.97	<=11	Pass
		5260	-6.22	<=11	Pass
		5300	-5.98	<=11	Pass
		5320	-2.42	<=11	Pass
802.11n (HT40)	SISO	5190	-7.14	<=11	Pass
		5230	-7.27	<=11	Pass
		5270	-2.59	<=11	Pass
		5310	-2.65	<=11	Pass

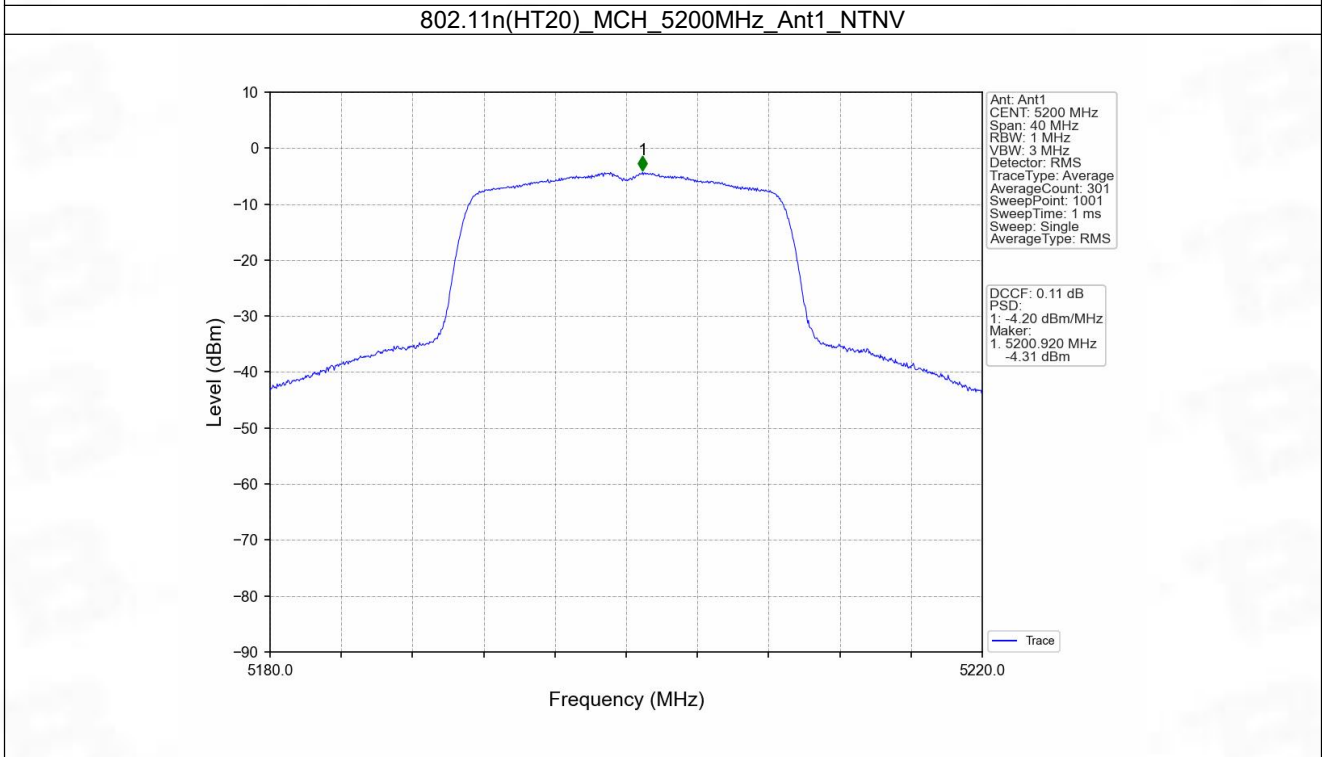
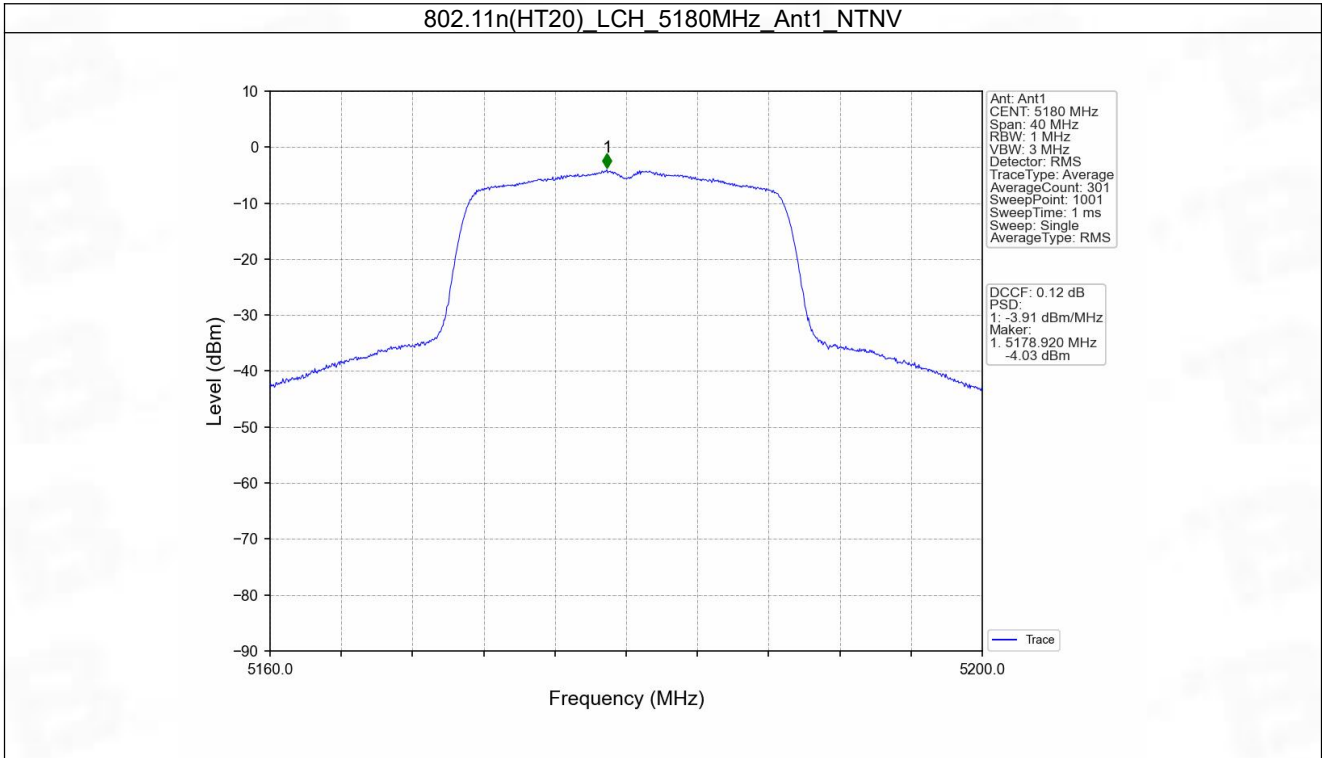
Note1: Antenna Gain: Ant1: 1.12dBi;

4.1.2 Test Graph

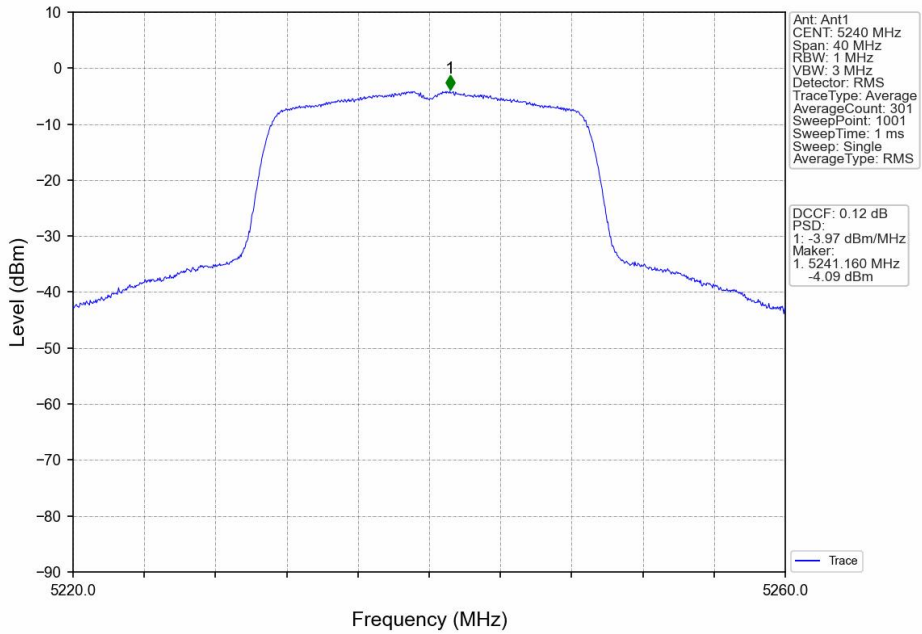




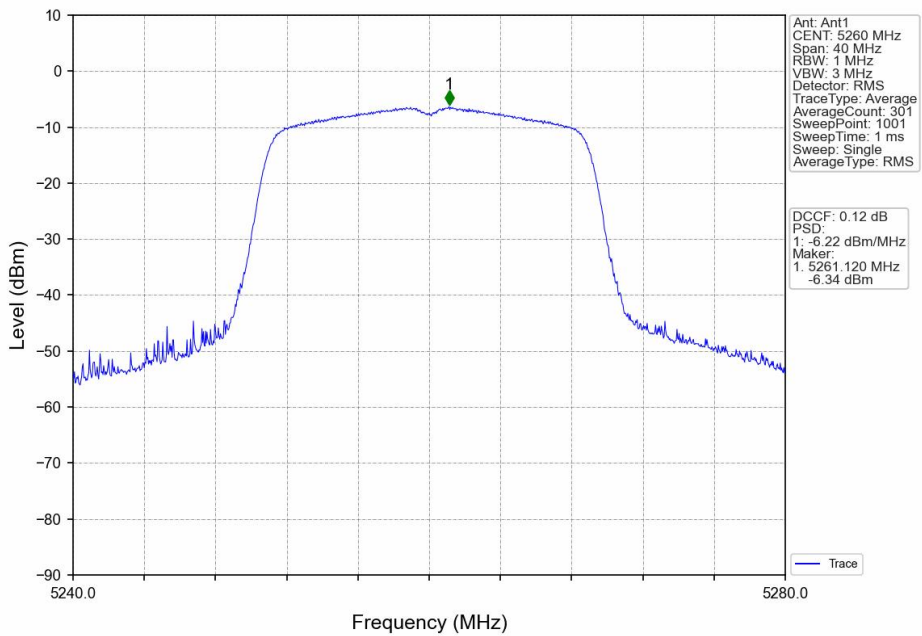


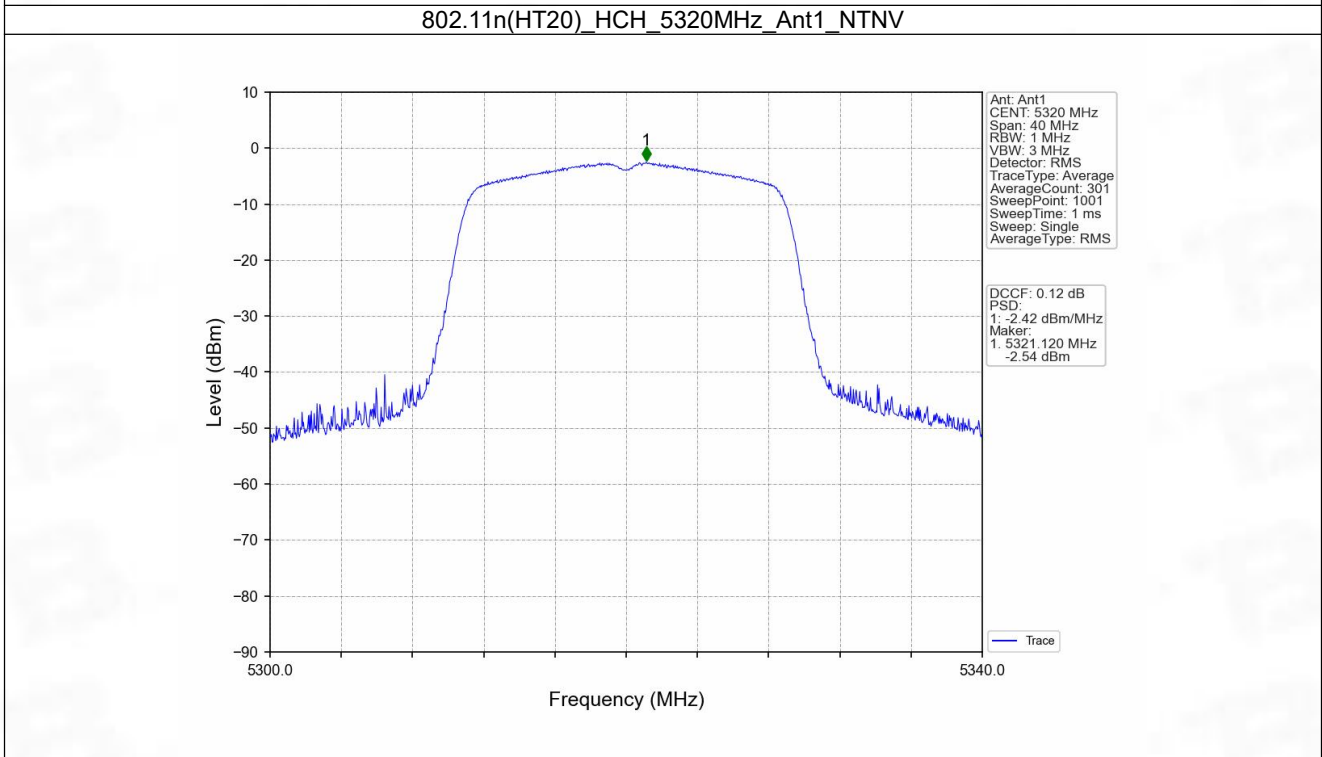
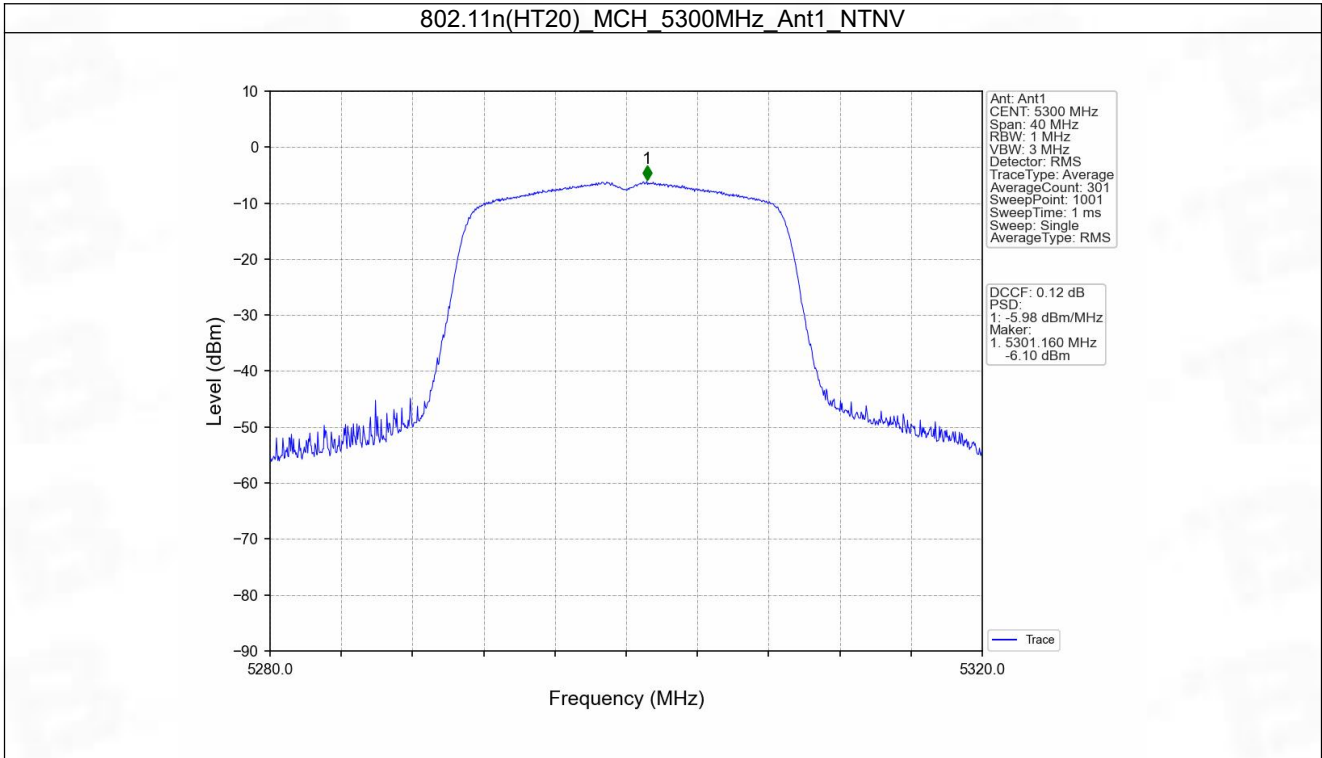


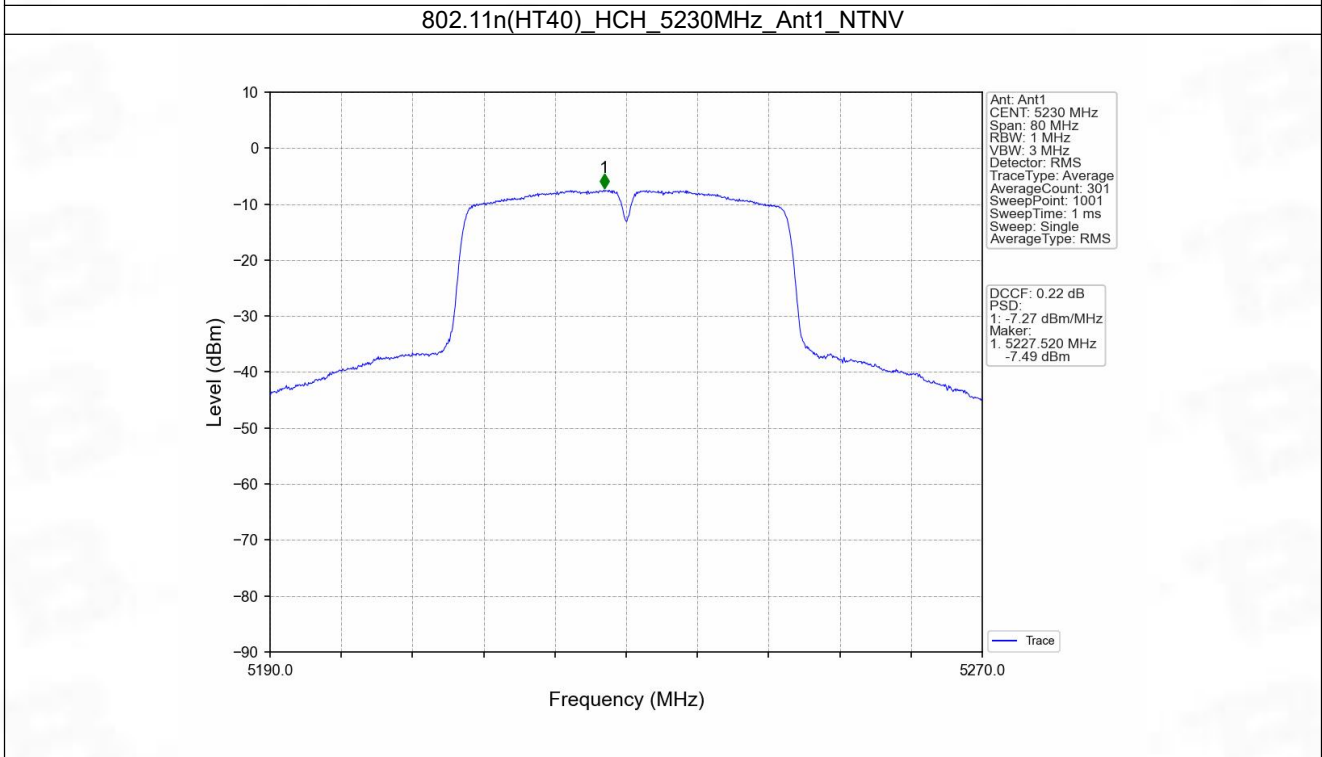
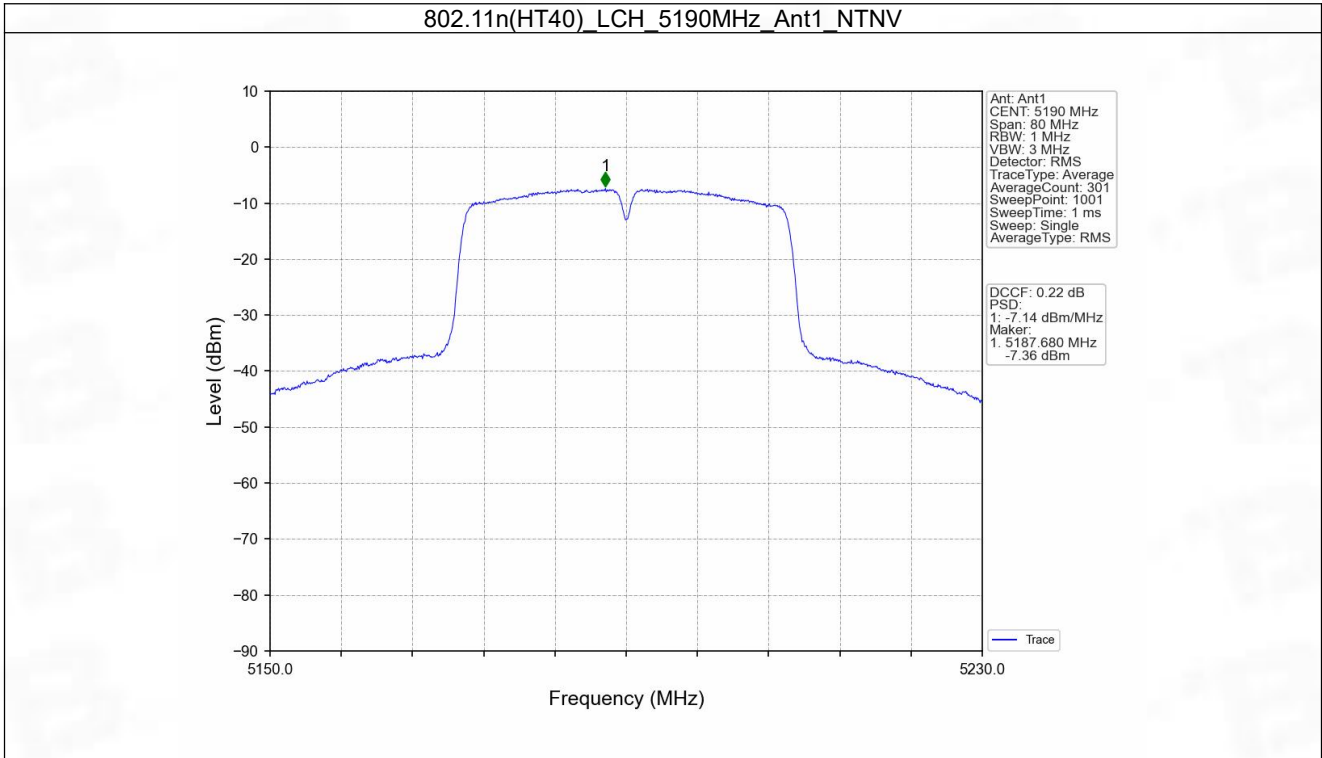
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



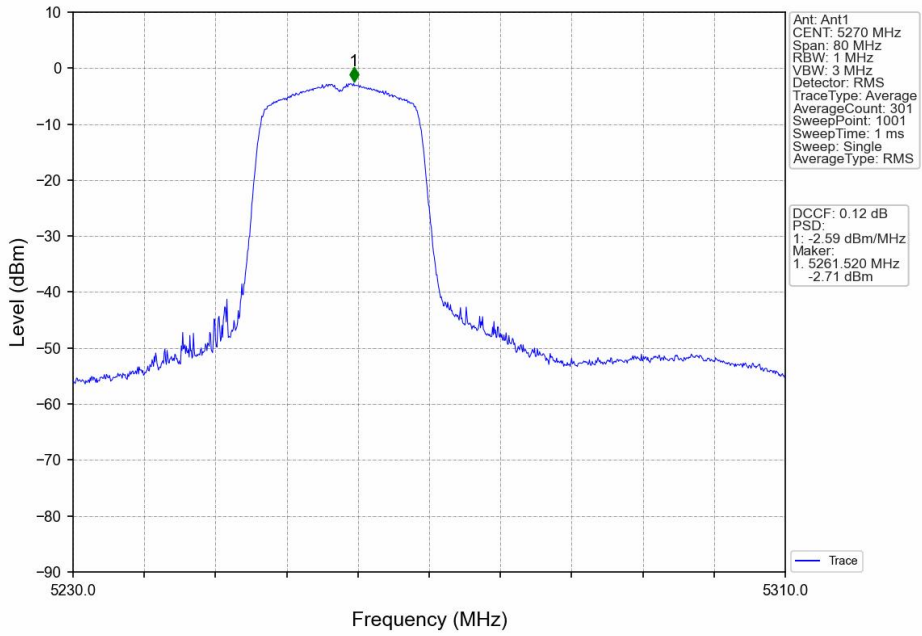
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



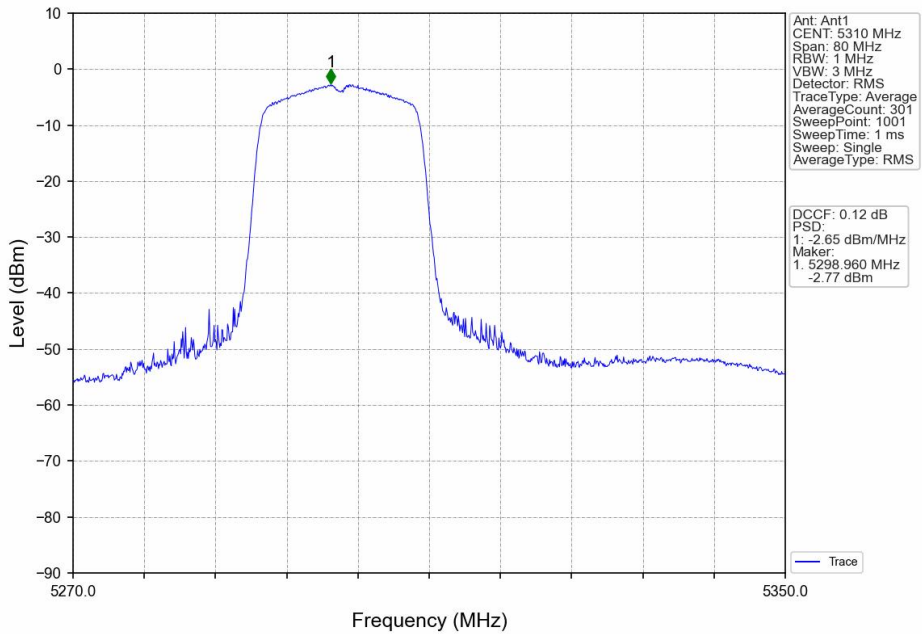




802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



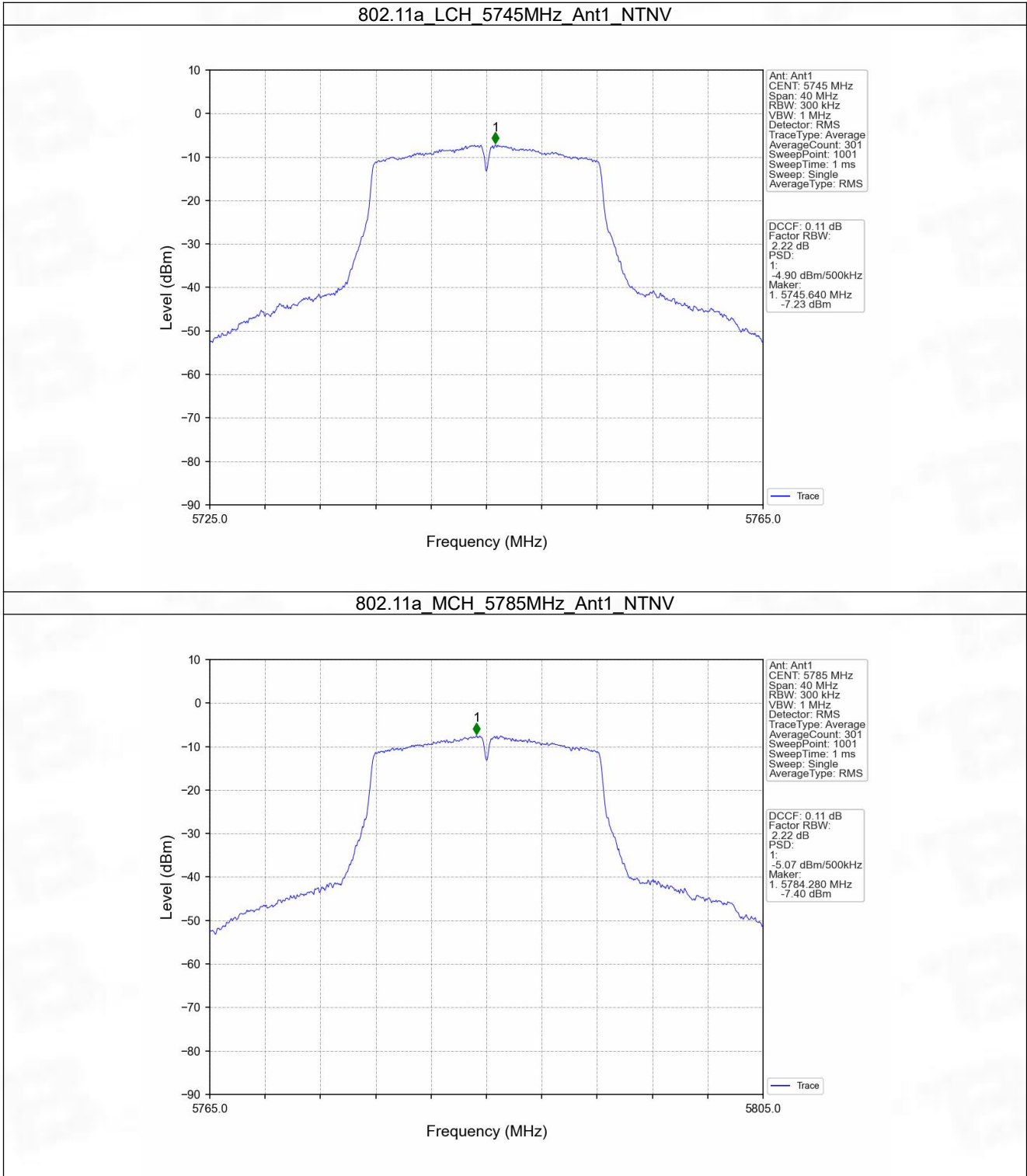
12.2 4.2 PSD-Band3

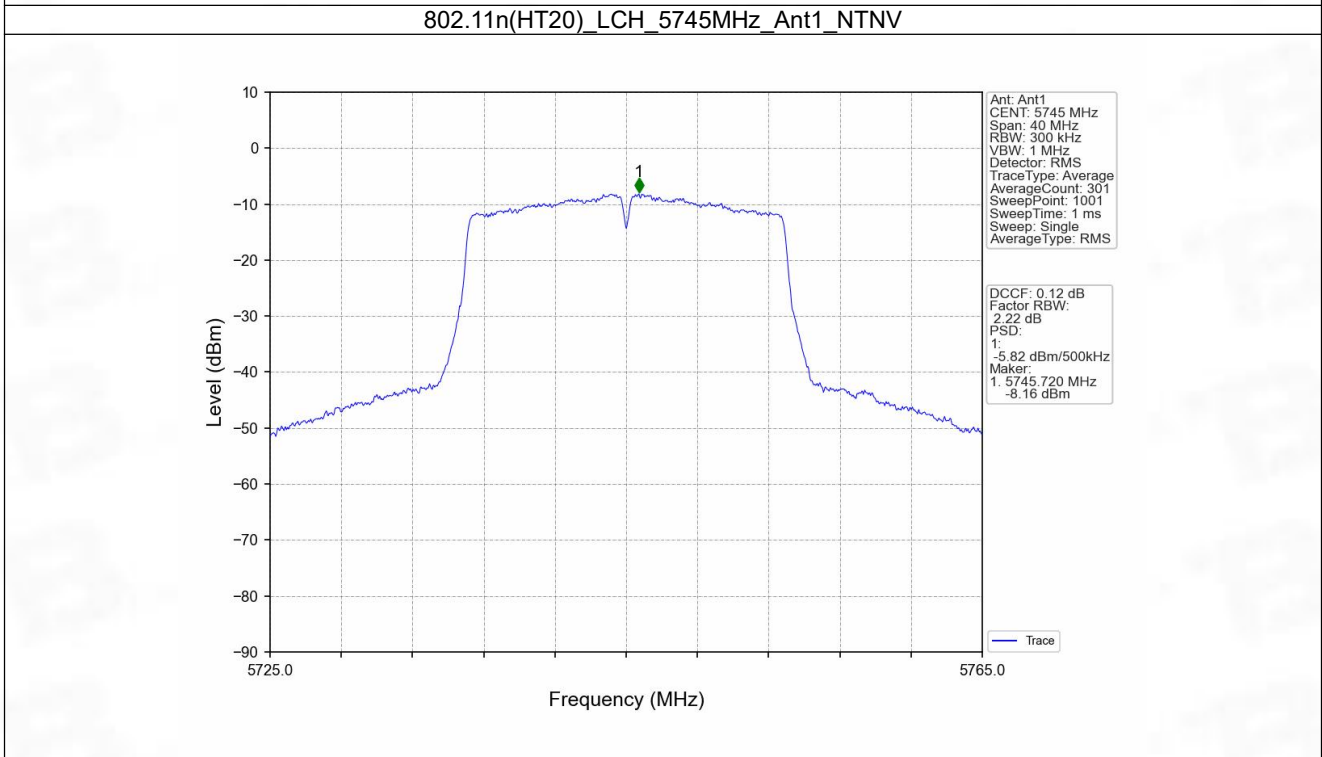
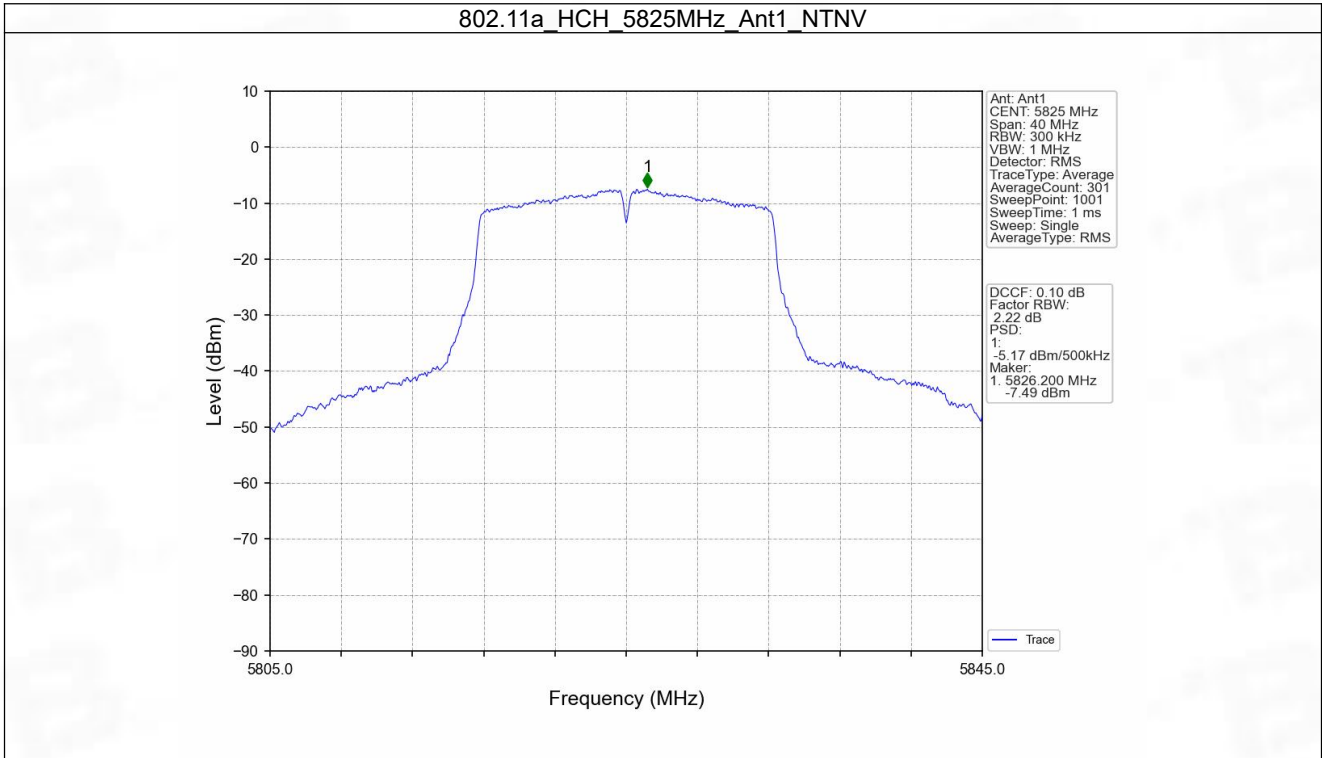
12.2.14.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-4.90	<=30	Pass
		5785	-5.07	<=30	Pass
		5825	-5.17	<=30	Pass
802.11n (HT20)	SISO	5745	-5.82	<=30	Pass
		5785	-5.89	<=30	Pass
		5825	-5.89	<=30	Pass
802.11n (HT40)	SISO	5755	-9.72	<=30	Pass
		5795	-9.76	<=30	Pass

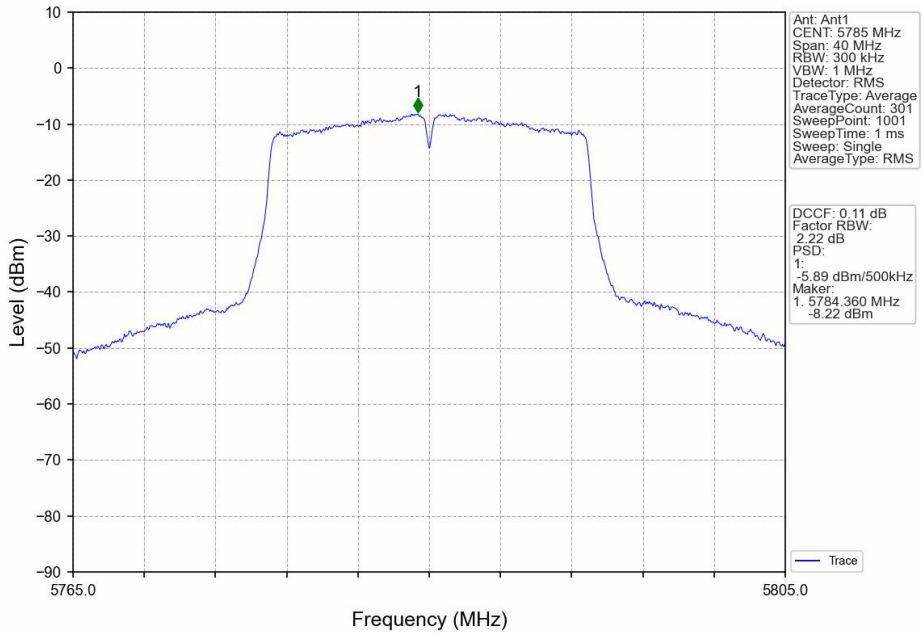
Note1: Antenna Gain: Ant1: 1.12dBi;

4.2.2 Test Graph

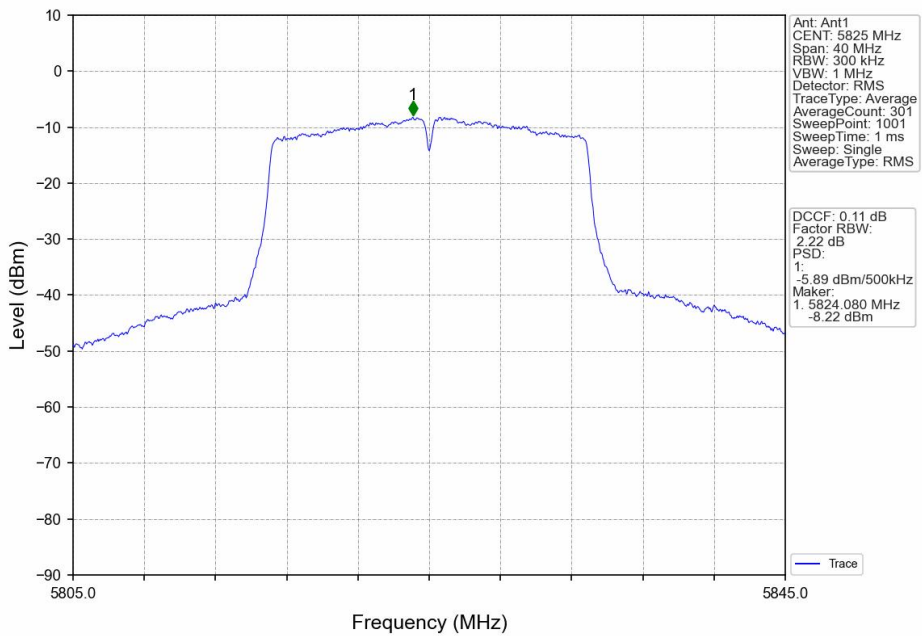


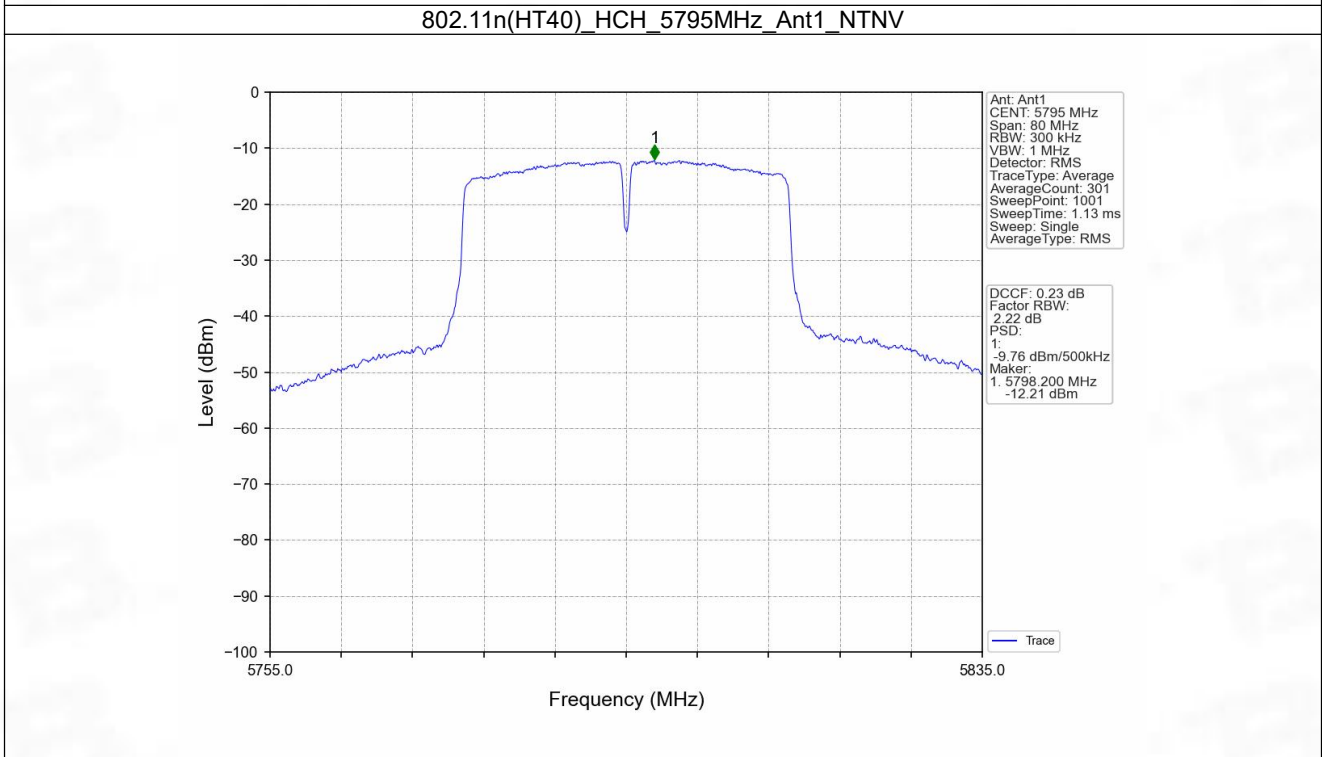
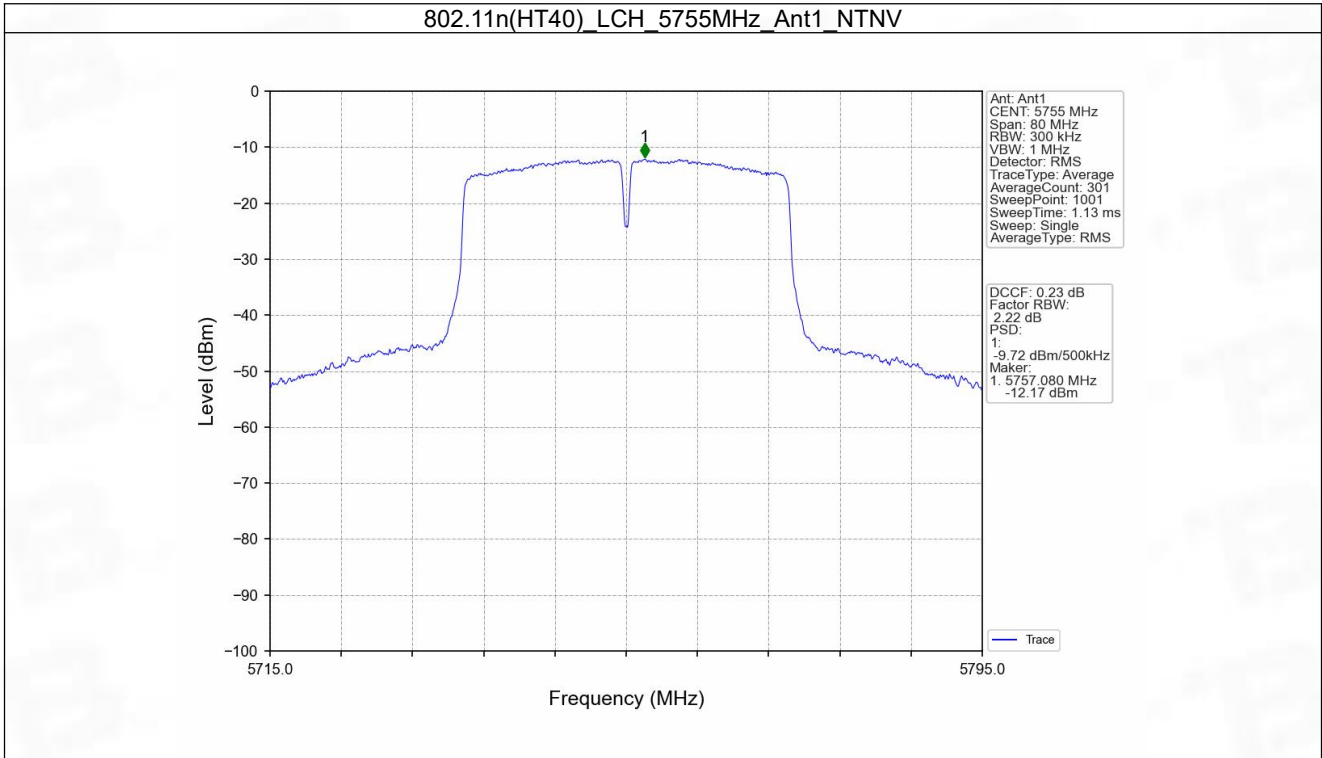


802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV





13 5. Frequency Stability

13.1 5.1 Ant1

13.1.15.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Temperature (°C)	Ant1			Verdict	
				Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)		
Carrier Wave	SISO	5180	20	102	5179.994	5150 to 5250	Pass	
				120	5179.994	5150 to 5250	Pass	
				138	5179.994	5150 to 5250	Pass	
			-30	120	5179.994	5150 to 5250	Pass	
				-20	120	5179.994	5150 to 5250	Pass
					120	5179.994	5150 to 5250	Pass
				-10	120	5179.994	5150 to 5250	Pass
					120	5179.994	5150 to 5250	Pass
				0	120	5179.994	5150 to 5250	Pass
		10		120	5179.994	5150 to 5250	Pass	
		30		120	5179.994	5150 to 5250	Pass	
		40	120	5179.994	5150 to 5250	Pass		
		50	120	5179.994	5150 to 5250	Pass		
		5200	20	102	5199.993	5150 to 5250	Pass	
				120	5199.993	5150 to 5250	Pass	
				138	5199.993	5150 to 5250	Pass	
			-30	120	5199.993	5150 to 5250	Pass	
				-20	120	5199.993	5150 to 5250	Pass
					120	5199.993	5150 to 5250	Pass
				-10	120	5199.993	5150 to 5250	Pass
					120	5199.993	5150 to 5250	Pass
				0	120	5199.993	5150 to 5250	Pass
		10		120	5199.993	5150 to 5250	Pass	
		30		120	5199.994	5150 to 5250	Pass	
		40	120	5199.993	5150 to 5250	Pass		
		50	120	5199.993	5150 to 5250	Pass		
		5240	20	102	5239.993	5150 to 5250	Pass	
				120	5239.993	5150 to 5250	Pass	
				138	5239.993	5150 to 5250	Pass	
			-30	120	5239.993	5150 to 5250	Pass	
				-20	120	5239.993	5150 to 5250	Pass
					120	5239.993	5150 to 5250	Pass
				-10	120	5239.993	5150 to 5250	Pass
					120	5239.993	5150 to 5250	Pass
				0	120	5239.993	5150 to 5250	Pass
		10		120	5239.993	5150 to 5250	Pass	
		30		120	5239.993	5150 to 5250	Pass	
		40	120	5239.993	5150 to 5250	Pass		
		50	120	5239.993	5150 to 5250	Pass		
		5260	20	102	5259.969	5250 to 5350	Pass	
				120	5259.968	5250 to 5350	Pass	
				138	5259.968	5250 to 5350	Pass	
			-30	120	5259.968	5250 to 5350	Pass	
				-20	120	5259.968	5250 to 5350	Pass
					120	5259.968	5250 to 5350	Pass
				-10	120	5259.967	5250 to 5350	Pass
					120	5259.967	5250 to 5350	Pass
				0	120	5259.967	5250 to 5350	Pass
		10		120	5259.967	5250 to 5350	Pass	
		30		120	5259.967	5250 to 5350	Pass	
		40	120	5259.967	5250 to 5350	Pass		
		50	120	5259.967	5250 to 5350	Pass		
		5300	20	102	5299.966	5250 to 5350	Pass	
				120	5299.966	5250 to 5350	Pass	
138	5299.966			5250 to 5350	Pass			
-30	120		5299.966	5250 to 5350	Pass			
	120		5299.966	5250 to 5350	Pass			

			-10	120	5299.966	5250 to 5350	Pass	
			0	120	5299.966	5250 to 5350	Pass	
			10	120	5299.966	5250 to 5350	Pass	
			30	120	5299.966	5250 to 5350	Pass	
			40	120	5299.966	5250 to 5350	Pass	
		5320	20	102	5319.965	5250 to 5350	Pass	
				120	5319.965	5250 to 5350	Pass	
				138	5319.965	5250 to 5350	Pass	
			-30	120	5319.965	5250 to 5350	Pass	
			-20	120	5319.965	5250 to 5350	Pass	
			-10	120	5319.965	5250 to 5350	Pass	
			0	120	5319.965	5250 to 5350	Pass	
			10	120	5319.965	5250 to 5350	Pass	
			30	120	5319.965	5250 to 5350	Pass	
			40	120	5319.965	5250 to 5350	Pass	
			50	120	5319.965	5250 to 5350	Pass	
			5745	20	102	5744.993	5725 to 5850	Pass
					120	5744.993	5725 to 5850	Pass
					138	5744.993	5725 to 5850	Pass
		-30		120	5744.993	5725 to 5850	Pass	
		-20		120	5744.993	5725 to 5850	Pass	
		-10		120	5744.992	5725 to 5850	Pass	
		0		120	5744.992	5725 to 5850	Pass	
		10		120	5744.993	5725 to 5850	Pass	
		30		120	5744.993	5725 to 5850	Pass	
		40		120	5744.993	5725 to 5850	Pass	
		50	120	5744.993	5725 to 5850	Pass		
		5785	20	102	5784.992	5725 to 5850	Pass	
				120	5784.992	5725 to 5850	Pass	
				138	5784.993	5725 to 5850	Pass	
			-30	120	5784.993	5725 to 5850	Pass	
			-20	120	5784.993	5725 to 5850	Pass	
			-10	120	5784.992	5725 to 5850	Pass	
			0	120	5784.993	5725 to 5850	Pass	
			10	120	5784.993	5725 to 5850	Pass	
			30	120	5784.993	5725 to 5850	Pass	
			40	120	5784.992	5725 to 5850	Pass	
		50	120	5784.992	5725 to 5850	Pass		
		5825	20	102	5824.993	5725 to 5850	Pass	
				120	5824.993	5725 to 5850	Pass	
				138	5824.993	5725 to 5850	Pass	
			-30	120	5824.992	5725 to 5850	Pass	
			-20	120	5824.992	5725 to 5850	Pass	
			-10	120	5824.992	5725 to 5850	Pass	
			0	120	5824.993	5725 to 5850	Pass	
			10	120	5824.992	5725 to 5850	Pass	
			30	120	5824.992	5725 to 5850	Pass	
			40	120	5824.993	5725 to 5850	Pass	
		50	120	5824.993	5725 to 5850	Pass		
		5190	20	102	5189.993	5150 to 5250	Pass	
120	5189.993			5150 to 5250	Pass			
138	5189.993			5150 to 5250	Pass			
-30	120		5189.993	5150 to 5250	Pass			
-20	120		5189.993	5150 to 5250	Pass			
-10	120		5189.993	5150 to 5250	Pass			
0	120		5189.993	5150 to 5250	Pass			
10	120	5189.993	5150 to 5250	Pass				

			30	120	5189.993	5150 to 5250	Pass
			40	120	5189.993	5150 to 5250	Pass
			50	120	5189.993	5150 to 5250	Pass
		5230	20	102	5229.993	5150 to 5250	Pass
				120	5229.993	5150 to 5250	Pass
				138	5229.993	5150 to 5250	Pass
			-30	120	5229.993	5150 to 5250	Pass
			-20	120	5229.993	5150 to 5250	Pass
			-10	120	5229.993	5150 to 5250	Pass
			0	120	5229.993	5150 to 5250	Pass
			10	120	5229.993	5150 to 5250	Pass
			30	120	5229.993	5150 to 5250	Pass
			40	120	5229.993	5150 to 5250	Pass
			50	120	5229.993	5150 to 5250	Pass
		5270	20	102	5269.966	5250 to 5350	Pass
				120	5269.965	5250 to 5350	Pass
				138	5269.965	5250 to 5350	Pass
			-30	120	5269.965	5250 to 5350	Pass
			-20	120	5269.965	5250 to 5350	Pass
			-10	120	5269.965	5250 to 5350	Pass
			0	120	5269.965	5250 to 5350	Pass
			10	120	5269.965	5250 to 5350	Pass
			30	120	5269.965	5250 to 5350	Pass
			40	120	5269.965	5250 to 5350	Pass
			50	120	5269.965	5250 to 5350	Pass
		5310	20	102	5309.965	5250 to 5350	Pass
				120	5309.965	5250 to 5350	Pass
				138	5309.965	5250 to 5350	Pass
			-30	120	5309.965	5250 to 5350	Pass
			-20	120	5309.965	5250 to 5350	Pass
			-10	120	5309.965	5250 to 5350	Pass
			0	120	5309.965	5250 to 5350	Pass
			10	120	5309.965	5250 to 5350	Pass
			30	120	5309.965	5250 to 5350	Pass
			40	120	5309.965	5250 to 5350	Pass
			50	120	5309.965	5250 to 5350	Pass
		5755	20	102	5754.992	5725 to 5850	Pass
				120	5754.992	5725 to 5850	Pass
				138	5754.992	5725 to 5850	Pass
			-30	120	5754.992	5725 to 5850	Pass
			-20	120	5754.992	5725 to 5850	Pass
			-10	120	5754.992	5725 to 5850	Pass
			0	120	5754.993	5725 to 5850	Pass
			10	120	5754.993	5725 to 5850	Pass
			30	120	5754.993	5725 to 5850	Pass
			40	120	5754.993	5725 to 5850	Pass
			50	120	5754.993	5725 to 5850	Pass
		5795	20	102	5794.992	5725 to 5850	Pass
				120	5794.992	5725 to 5850	Pass
				138	5794.992	5725 to 5850	Pass
			-30	120	5794.992	5725 to 5850	Pass
			-20	120	5794.992	5725 to 5850	Pass
-10	120		5794.992	5725 to 5850	Pass		
0	120		5794.992	5725 to 5850	Pass		
10	120		5794.992	5725 to 5850	Pass		
30	120		5794.992	5725 to 5850	Pass		
40	120		5794.992	5725 to 5850	Pass		
50	120		5794.992	5725 to 5850	Pass		

14 6. Form731

14.1 6.1 Form731

14.1.16.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5260	5320	0.0066	8.19
5180	5240	0.0048	6.84
5745	5825	0.0064	8.08
5270	5310	0.0064	8.03
5190	5230	0.0048	6.80
5755	5795	0.0053	7.22



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-- END OF REPORT --