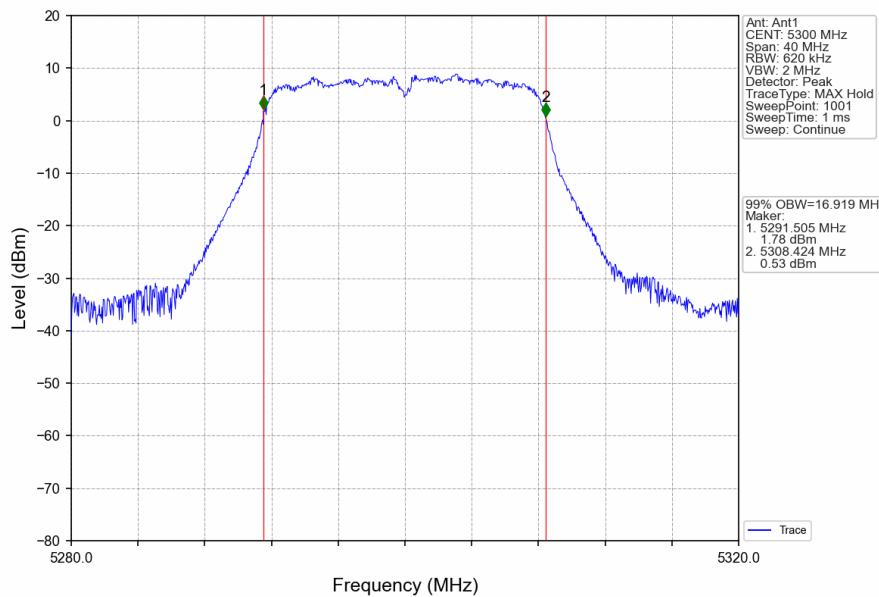
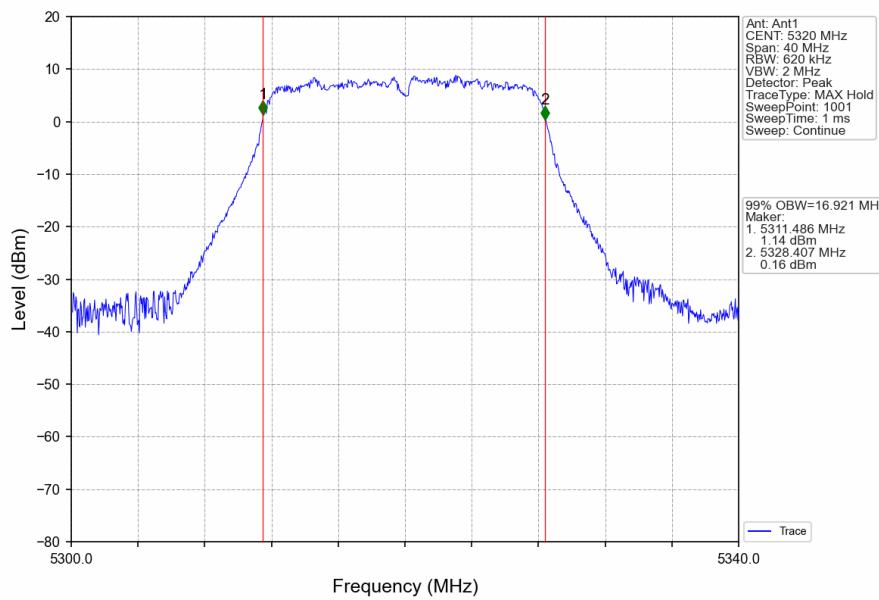
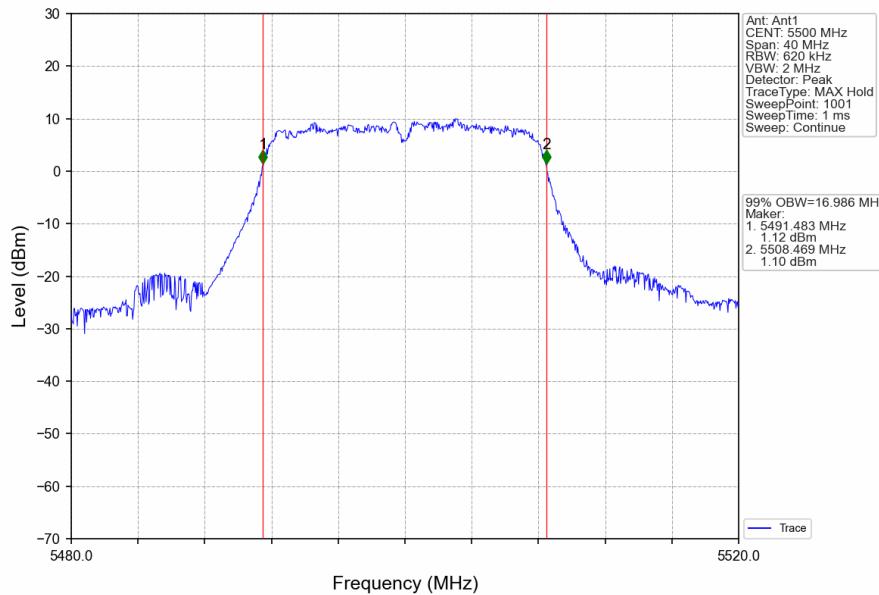
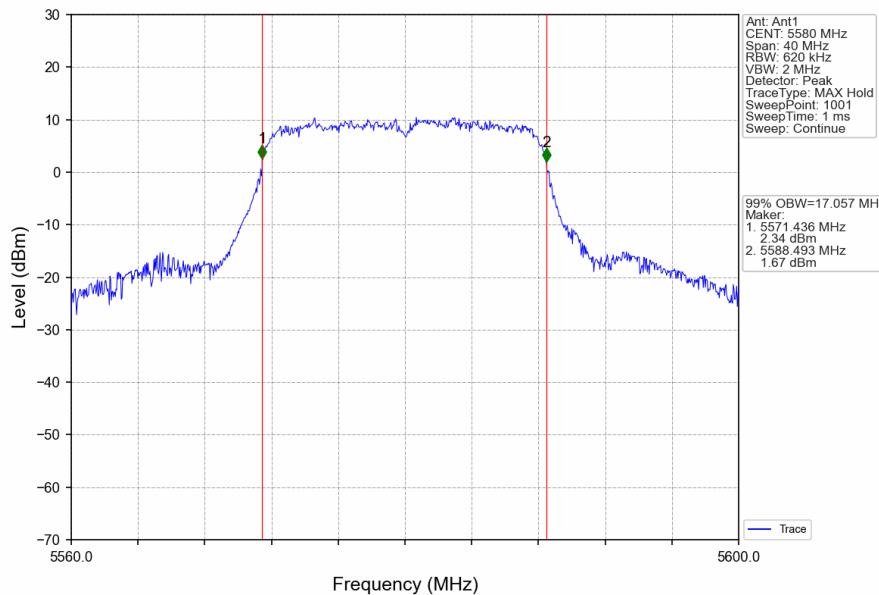


802.11a_MCH_5300MHz_Ant1_NTNV**802.11a_HCH_5320MHz_Ant1_NTNV**

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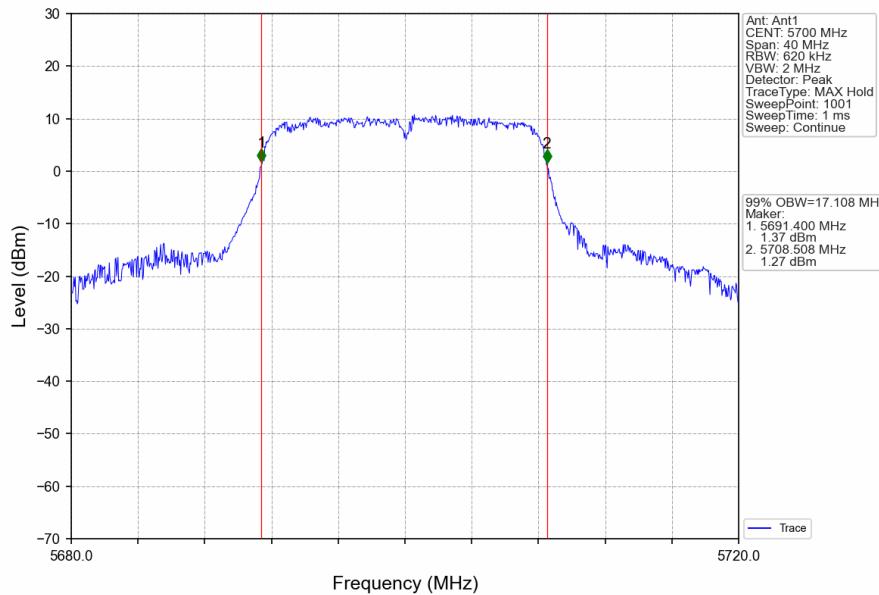
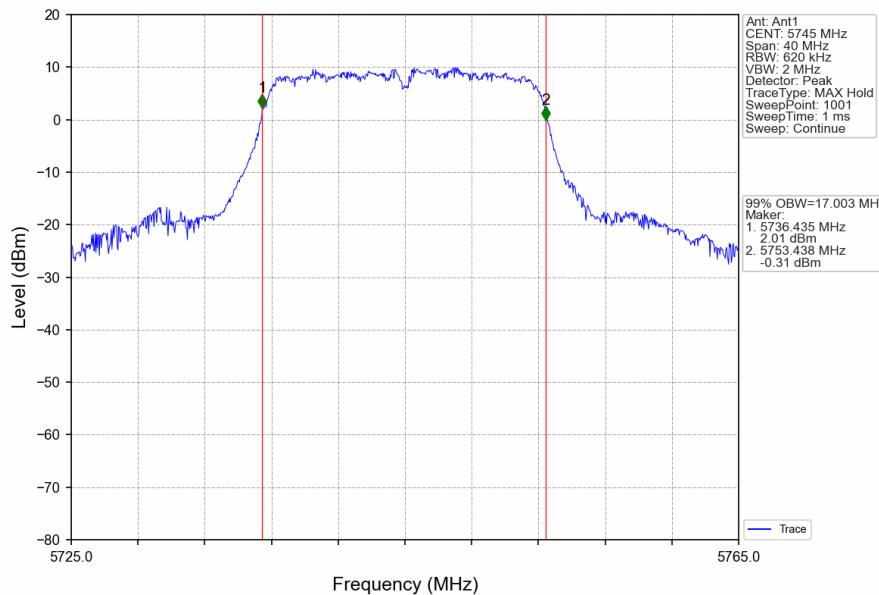


802.11a_LCH_5500MHz_Ant1_NTNV**802.11a_MCH_5580MHz_Ant1_NTNV**

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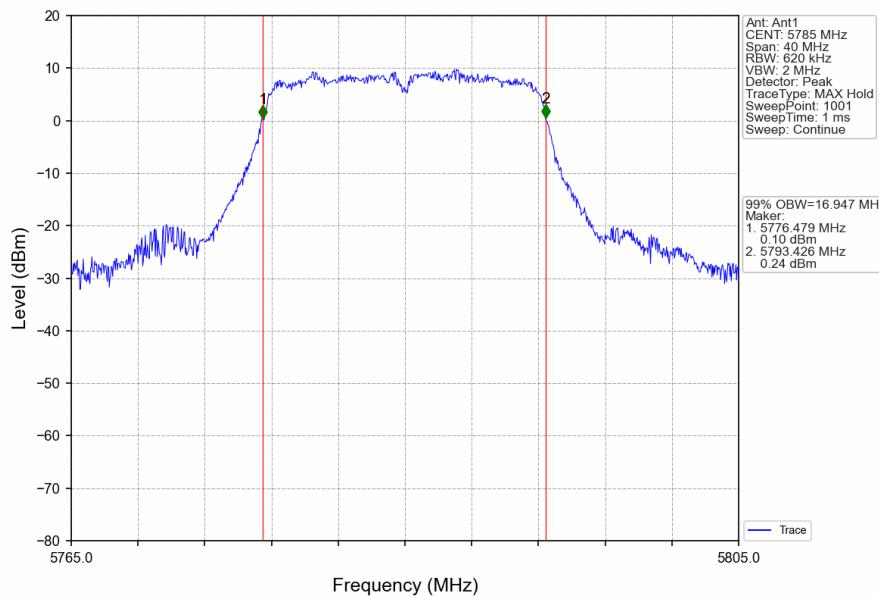
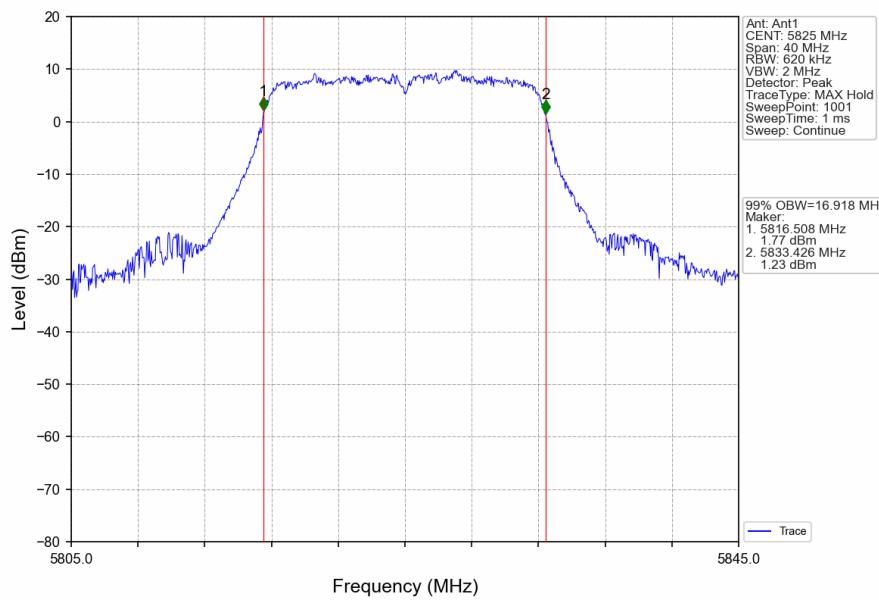


802.11a_HCH_5700MHz_Ant1_NTNV**802.11a_LCH_5745MHz_Ant1_NTNV**

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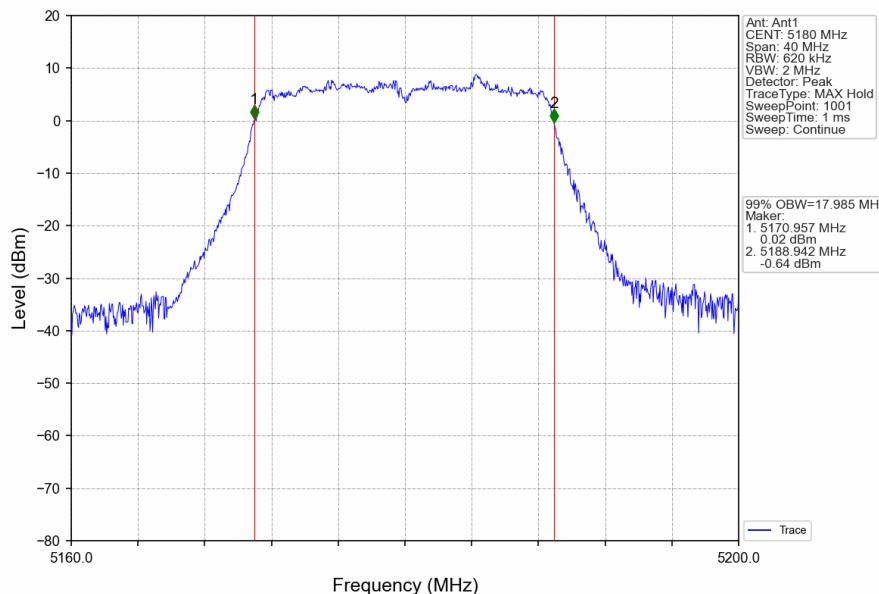
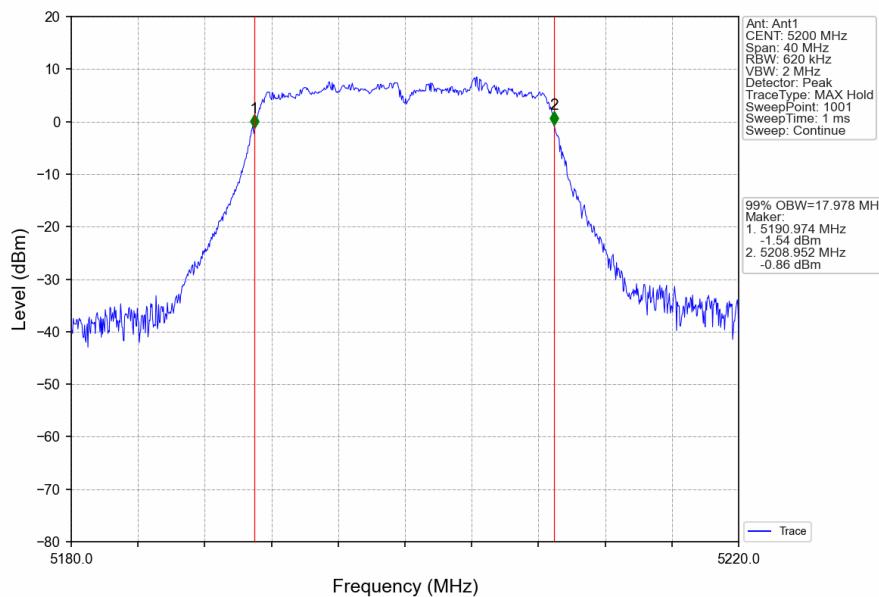


802.11a_MCH_5785MHz_Ant1_NTNV**802.11a_HCH_5825MHz_Ant1_NTNV**

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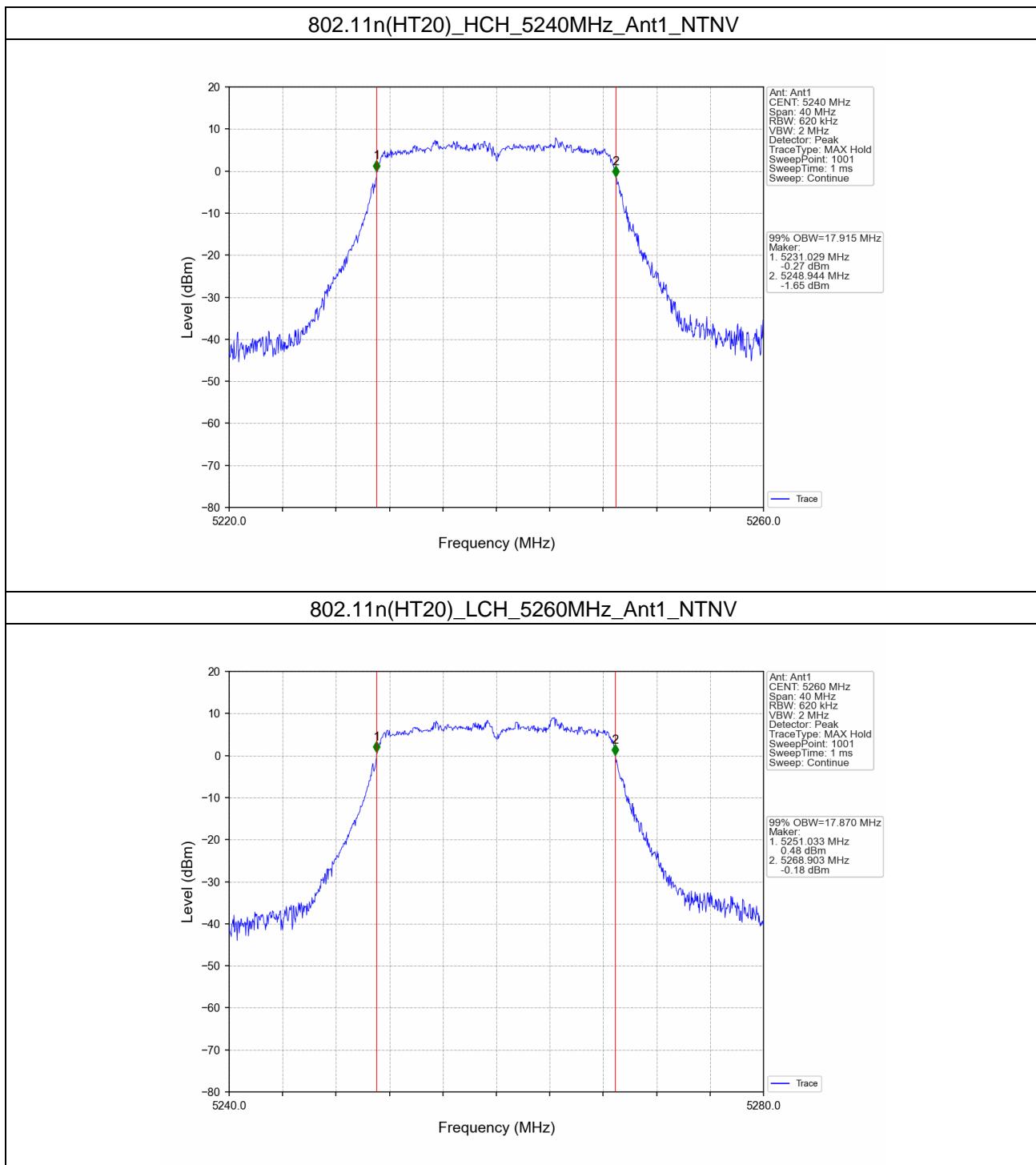


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV**802.11n(HT20)_MCH_5200MHz_Ant1_NTNV**

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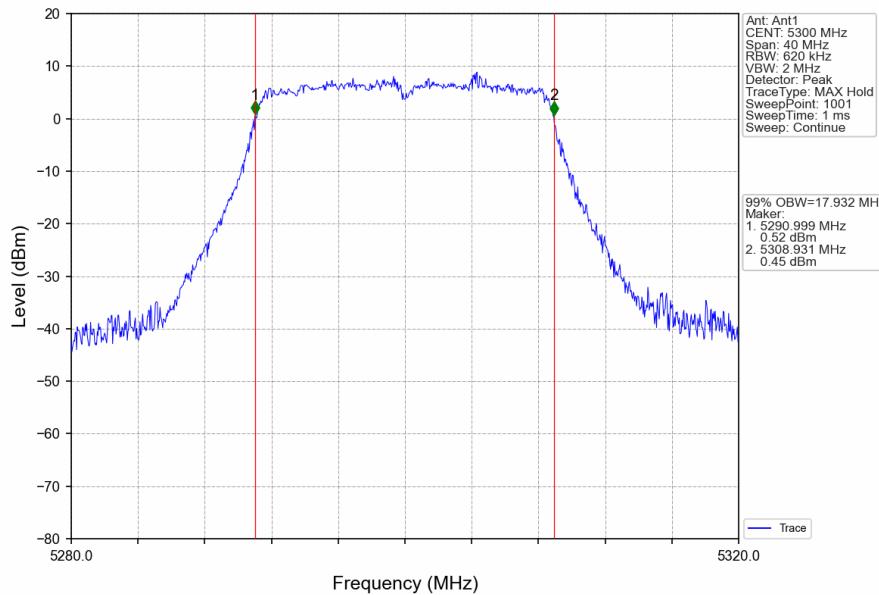
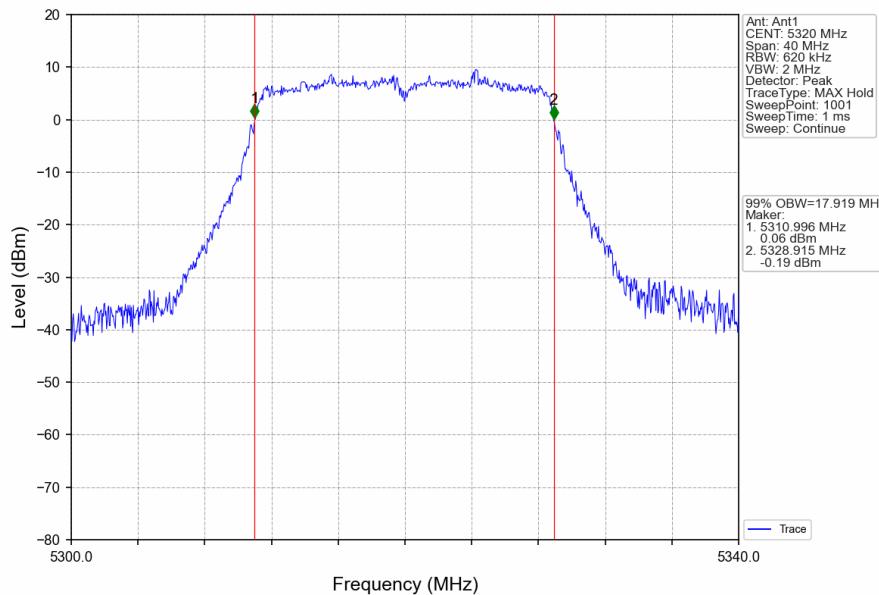




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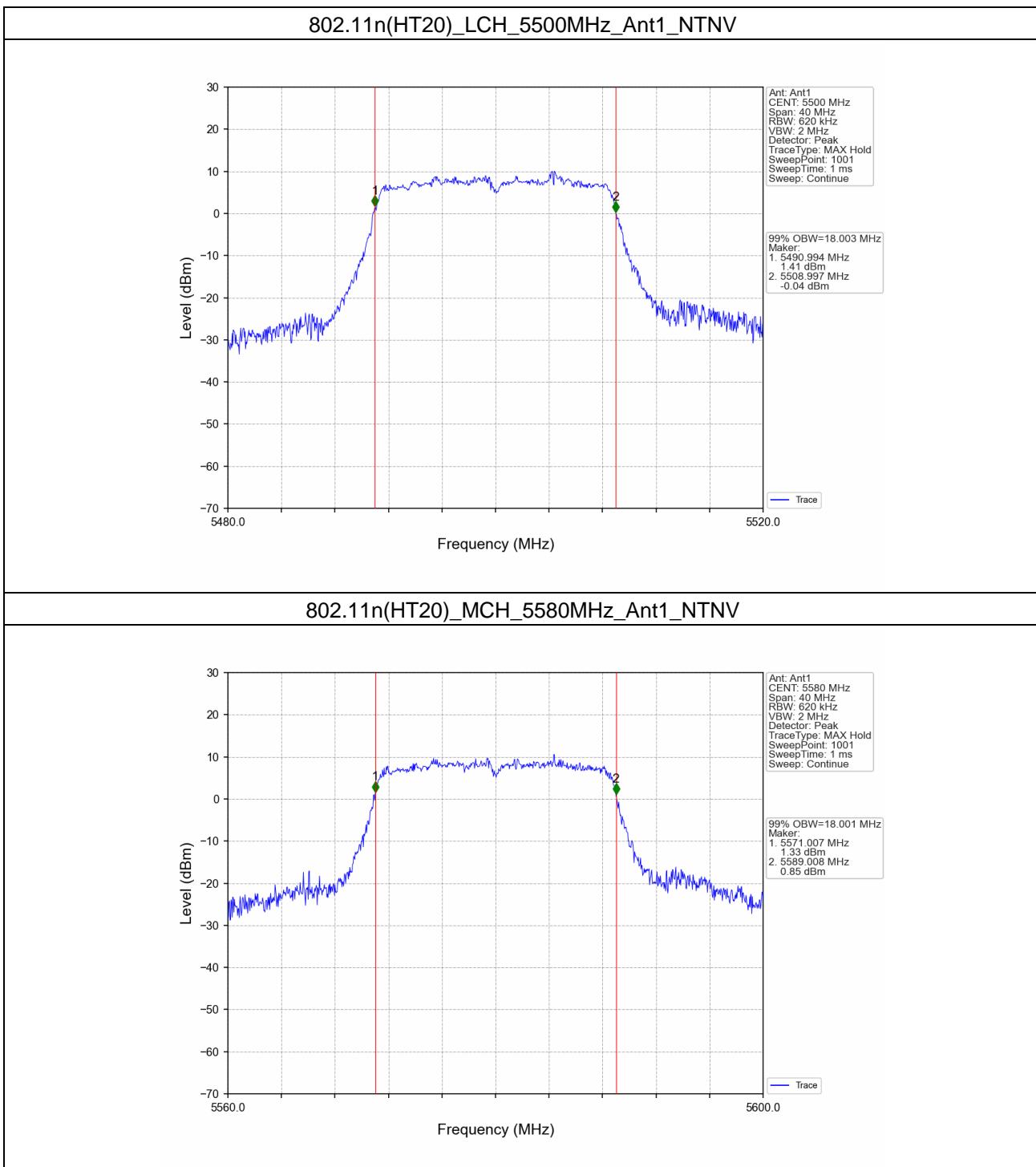


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV**802.11n(HT20)_HCH_5320MHz_Ant1_NTNV**

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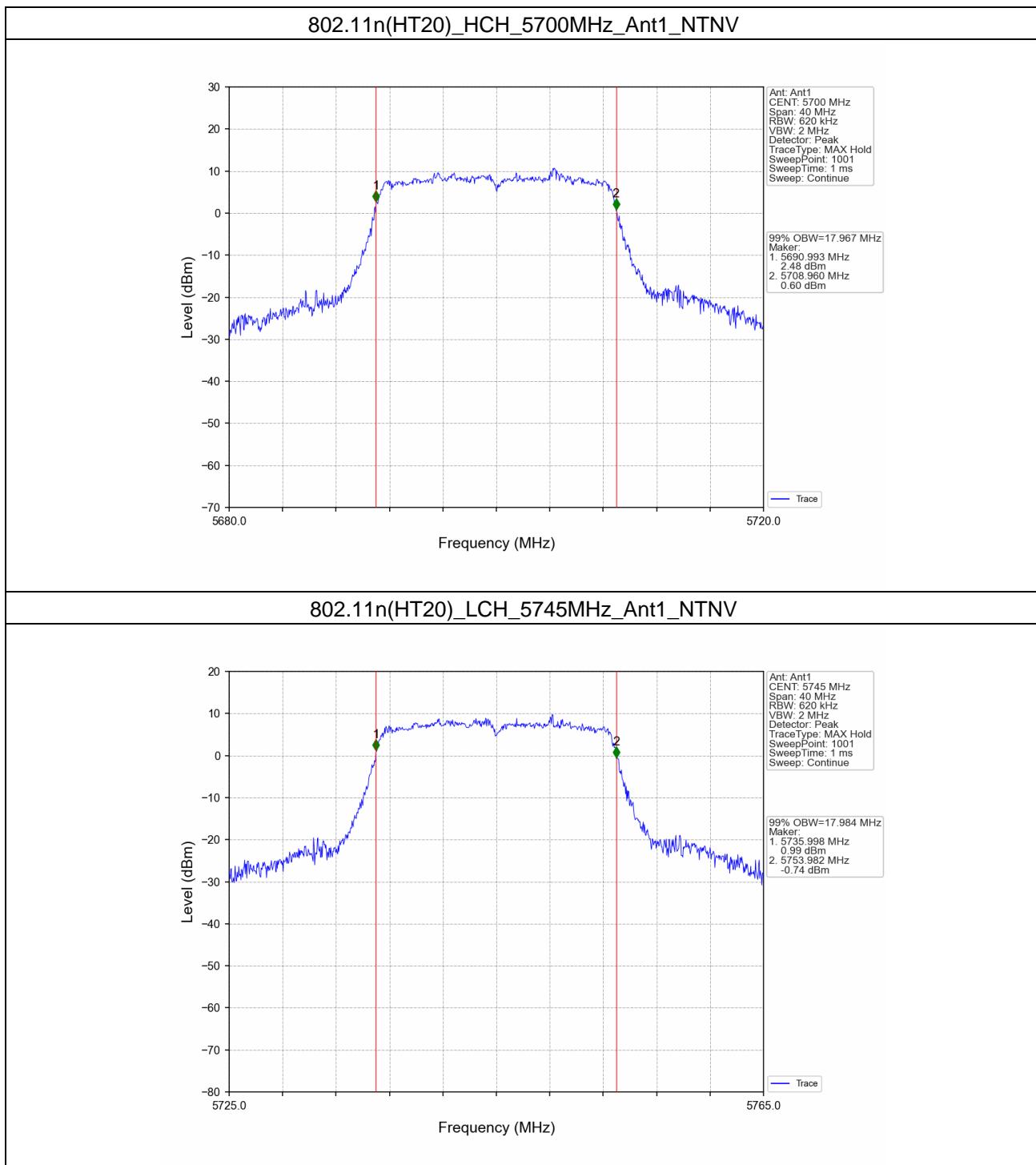




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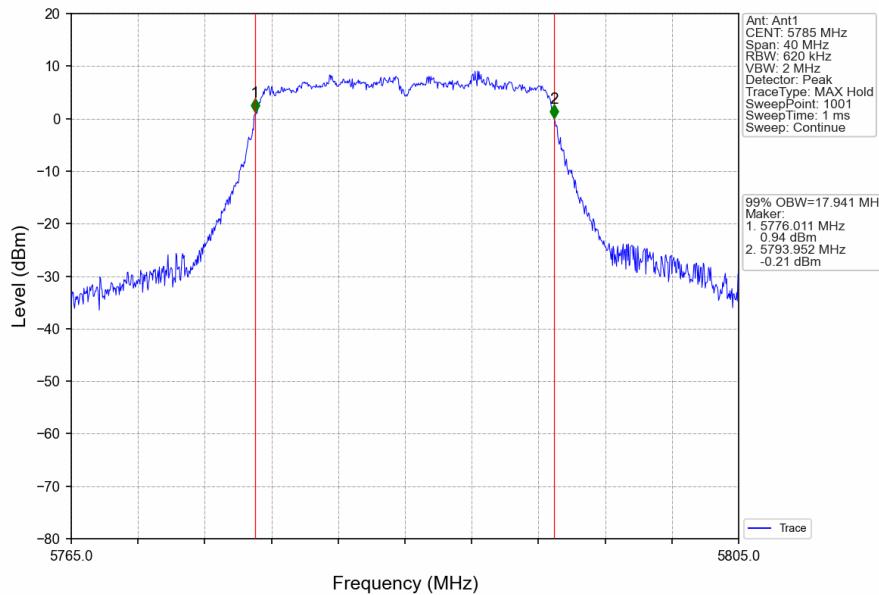
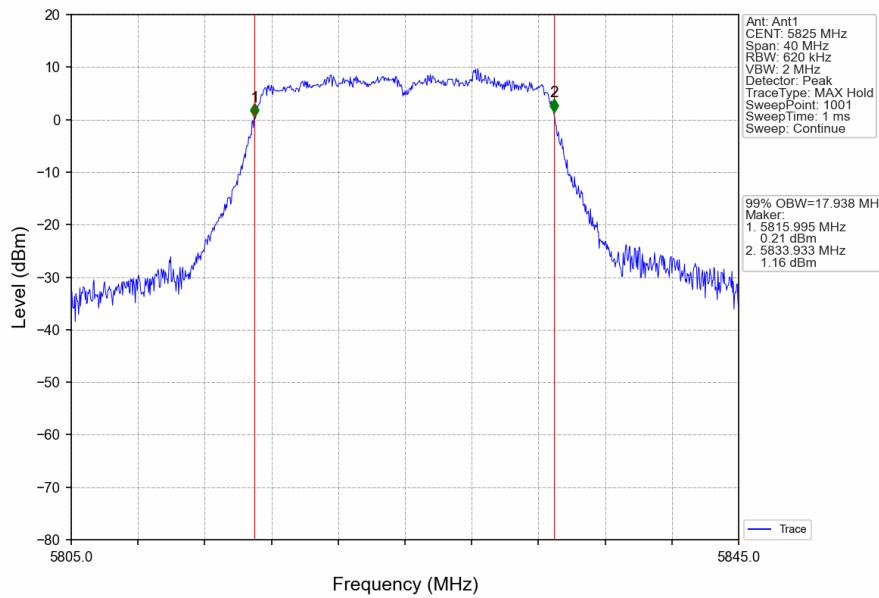




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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV**802.11n(HT20)_HCH_5825MHz_Ant1_NTNV**

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2.2 6dB BW**2.2.1 Test Result**

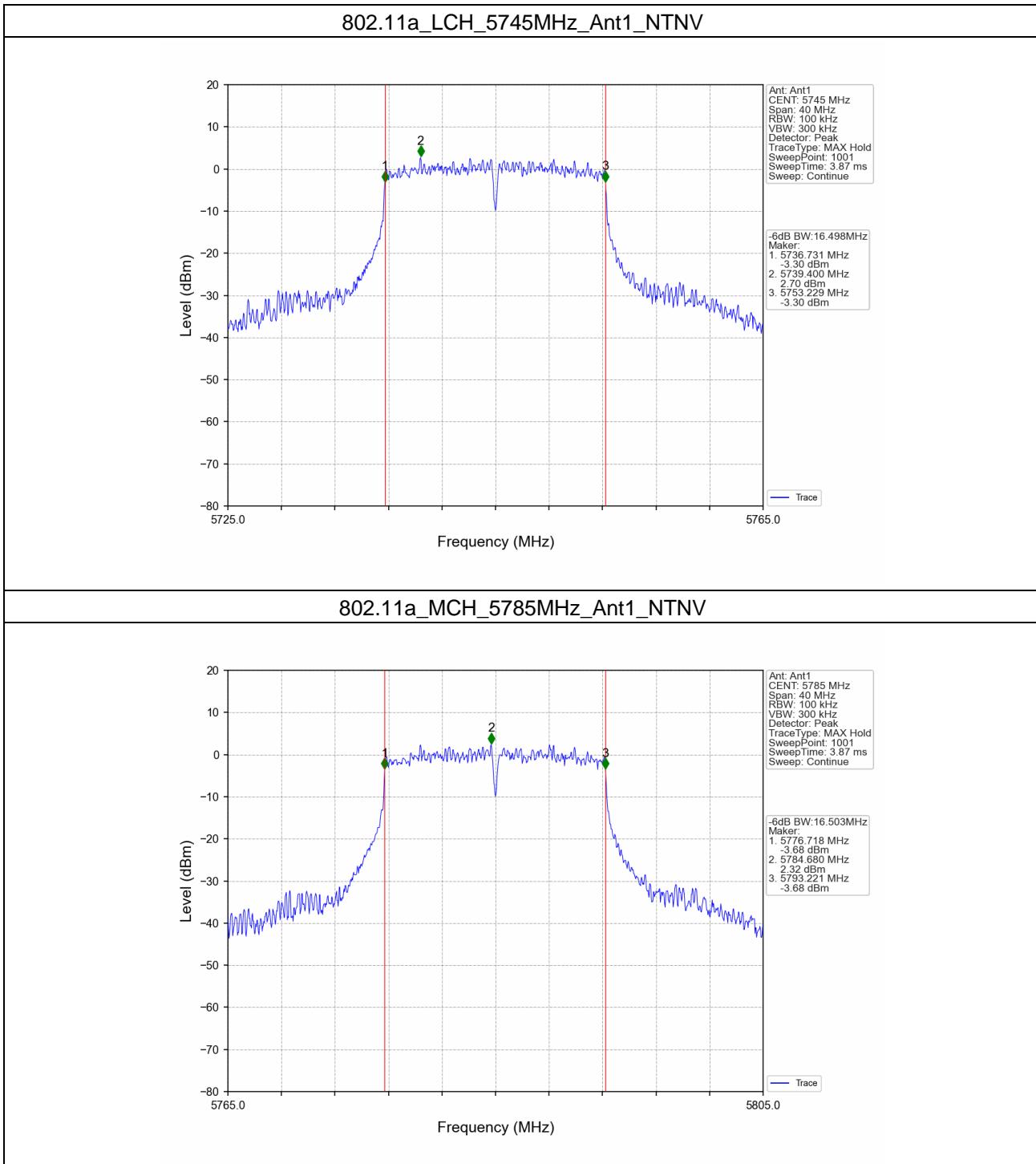
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.498	>=0.5	Pass
		5785	1	16.503	>=0.5	Pass
		5825	1	16.485	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.761	>=0.5	Pass
		5785	1	17.725	>=0.5	Pass
		5825	1	17.742	>=0.5	Pass

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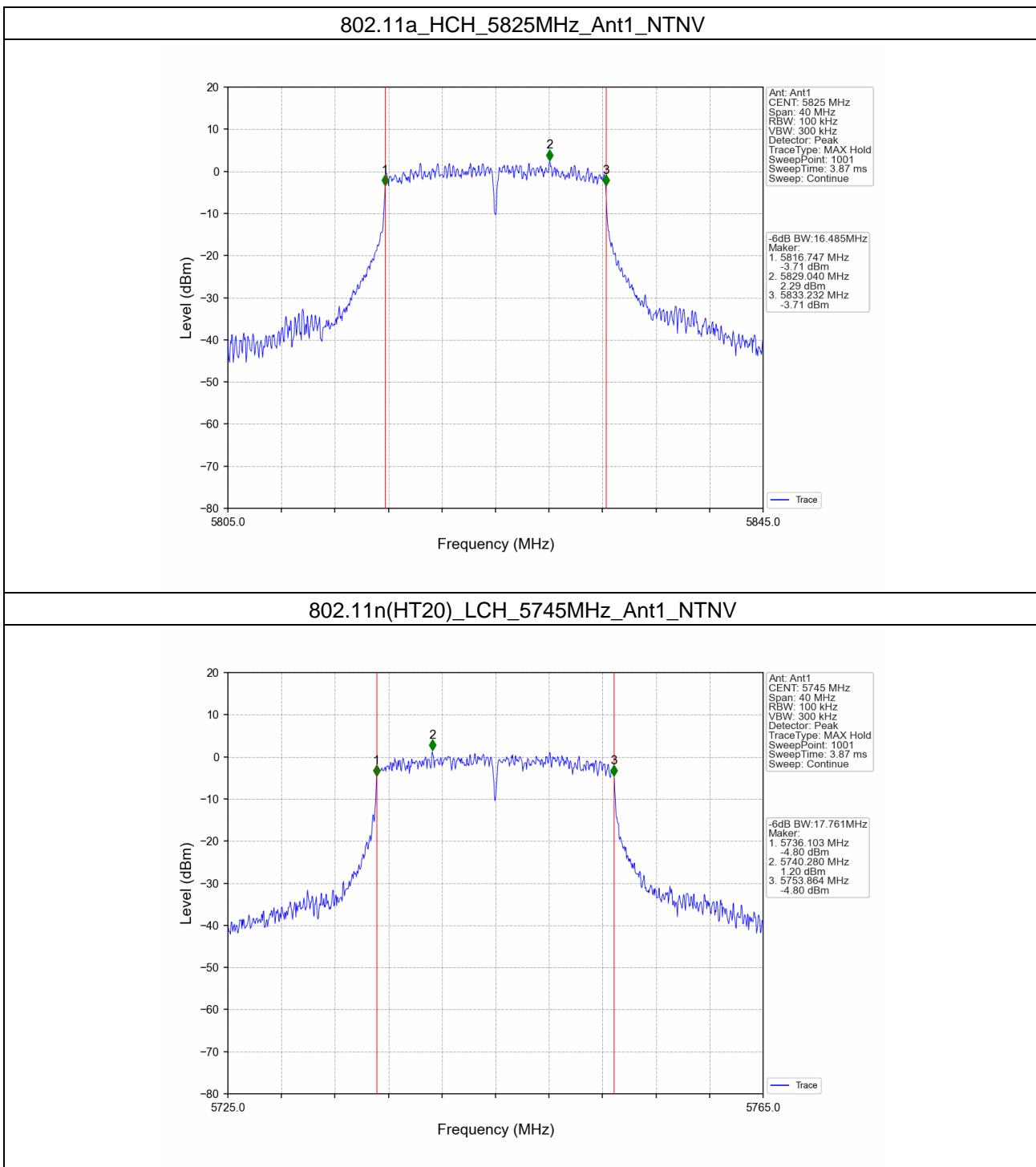
2.2.2 Test Graph



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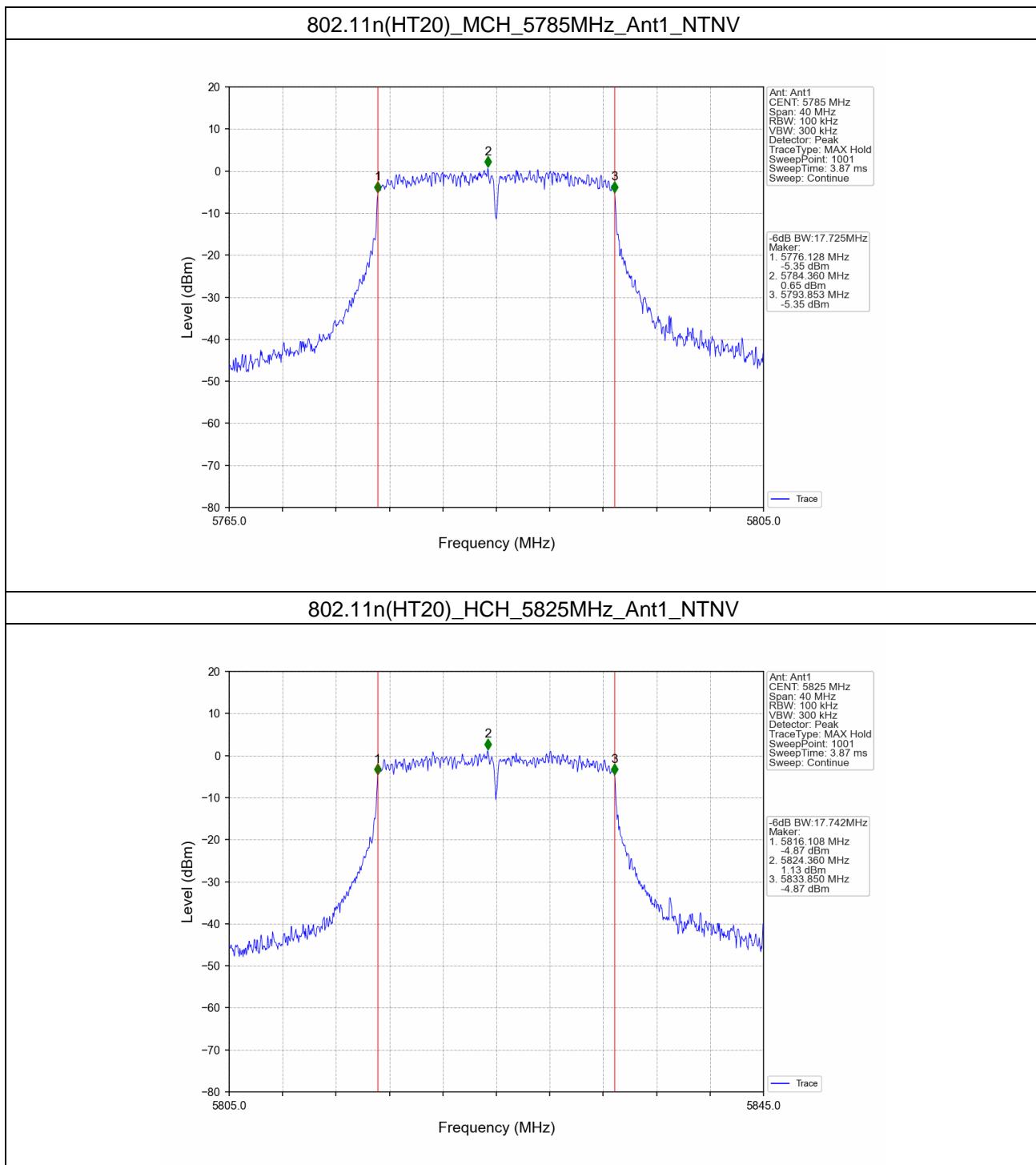




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2.3 26dB BW**2.3.1 Test Result**

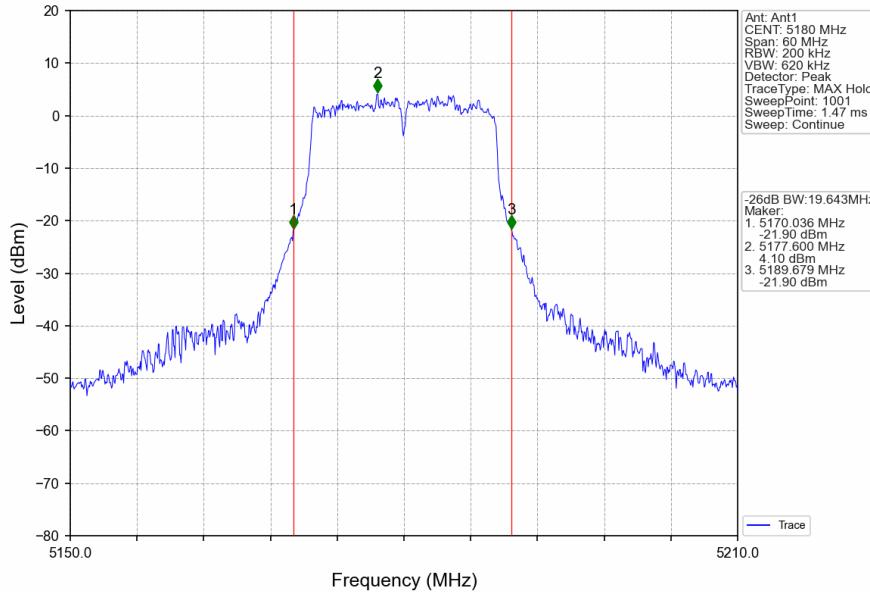
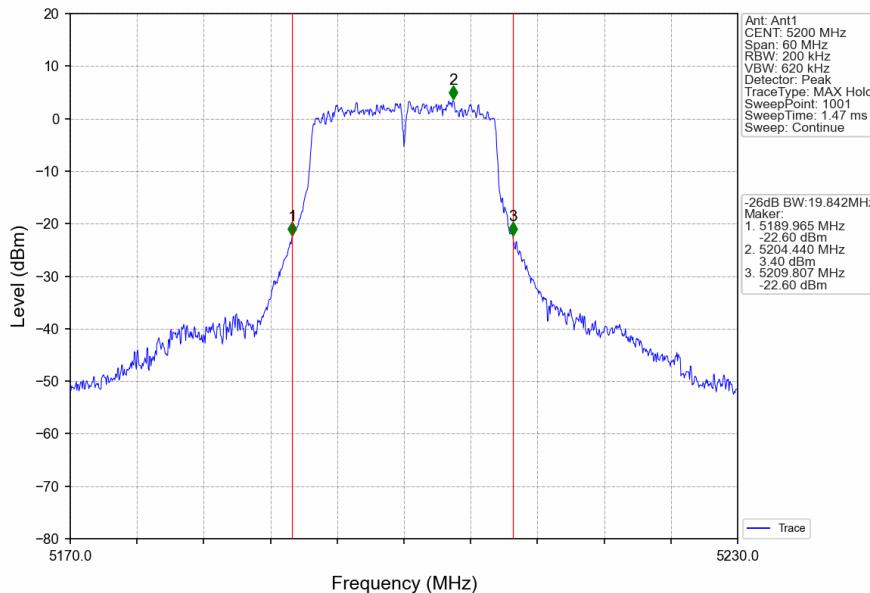
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	19.643	Pass
		5200	1	19.842	Pass
		5240	1	19.387	Pass
		5260	1	19.567	Pass
		5300	1	19.623	Pass
		5320	1	19.537	Pass
		5500	1	19.579	Pass
		5580	1	20.188	Pass
		5700	1	21.405	Pass
802.11n (HT20)	SISO	5180	1	20.558	Pass
		5200	1	20.134	Pass
		5240	1	20.197	Pass
		5260	1	20.465	Pass
		5300	1	20.272	Pass
		5320	1	20.220	Pass
		5500	1	20.338	Pass
		5580	1	20.498	Pass
		5700	1	20.611	Pass

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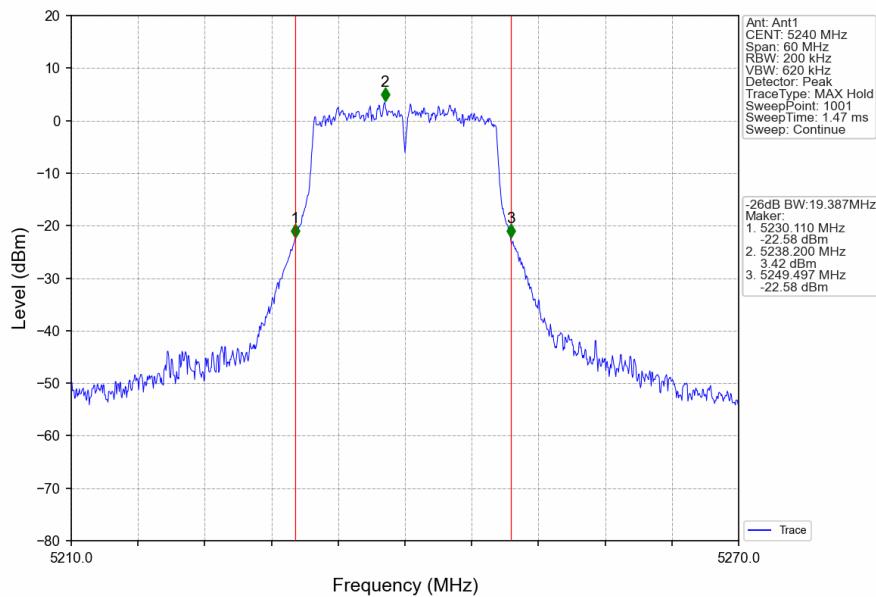
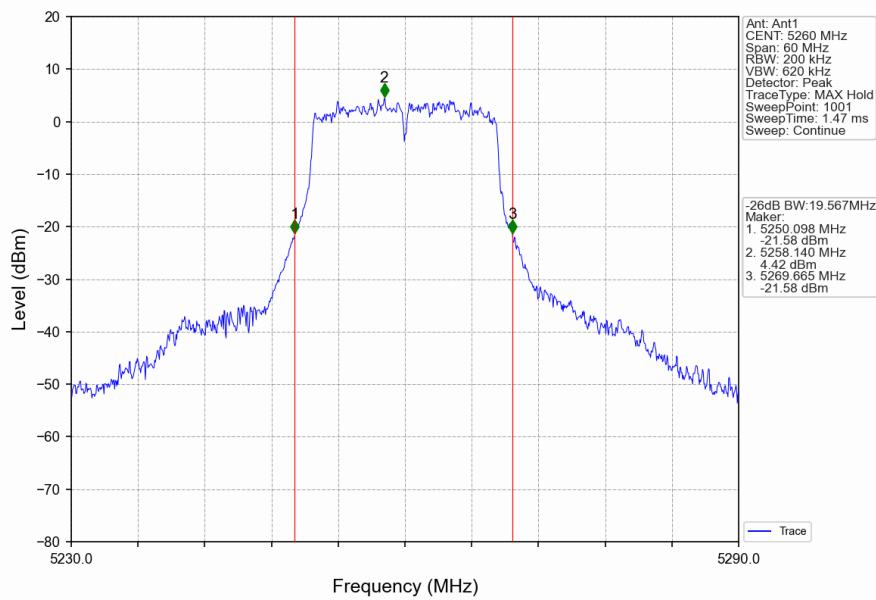
2.3.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV**802.11a_MCH_5200MHz_Ant1_NTNV**

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802.11a_HCH_5240MHz_Ant1_NTNV**802.11a_LCH_5260MHz_Ant1_NTNV**

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Guangzhou Branch, China EEC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663

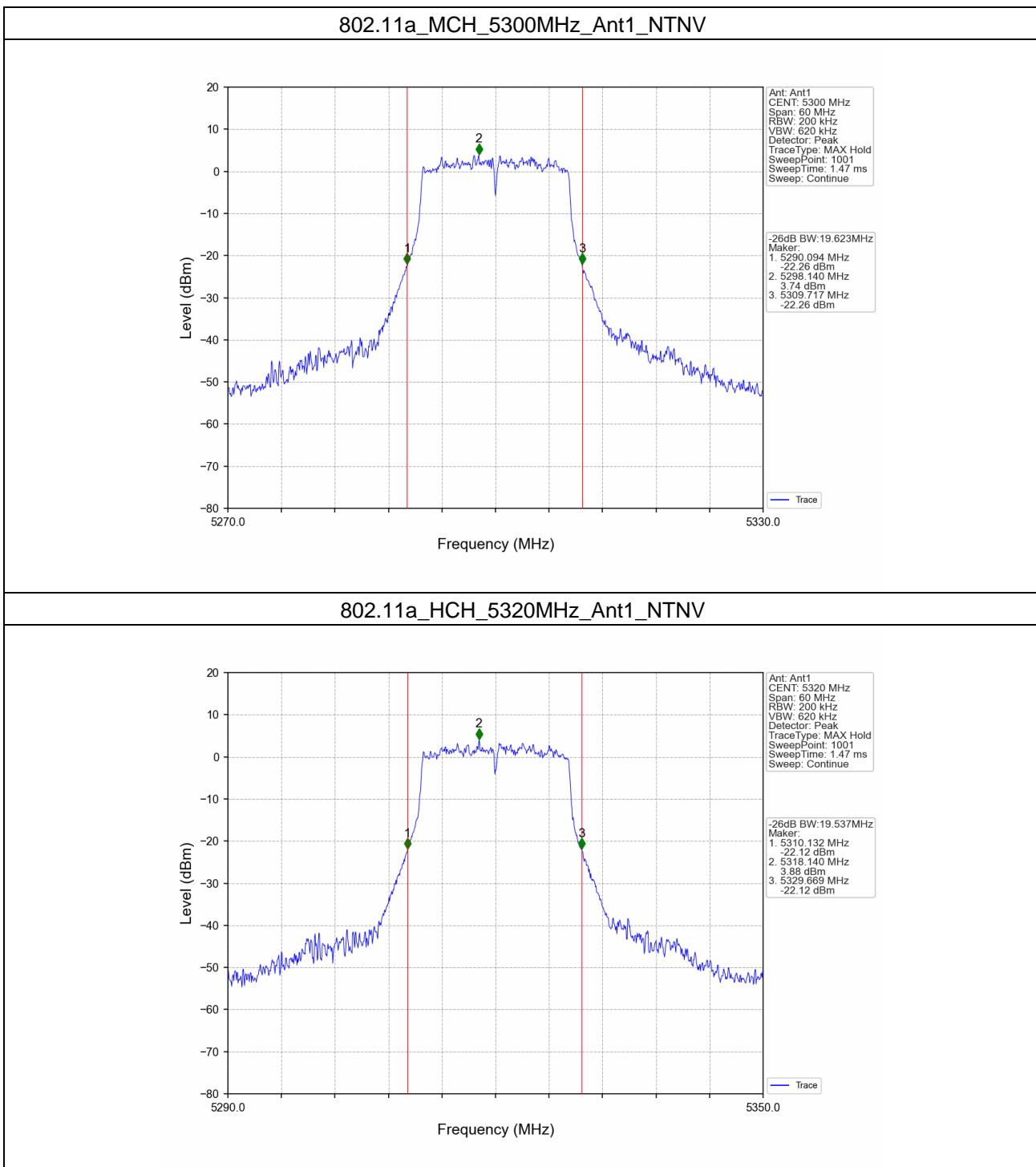
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t (86-20) 82155555

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t (86-20) 82155555

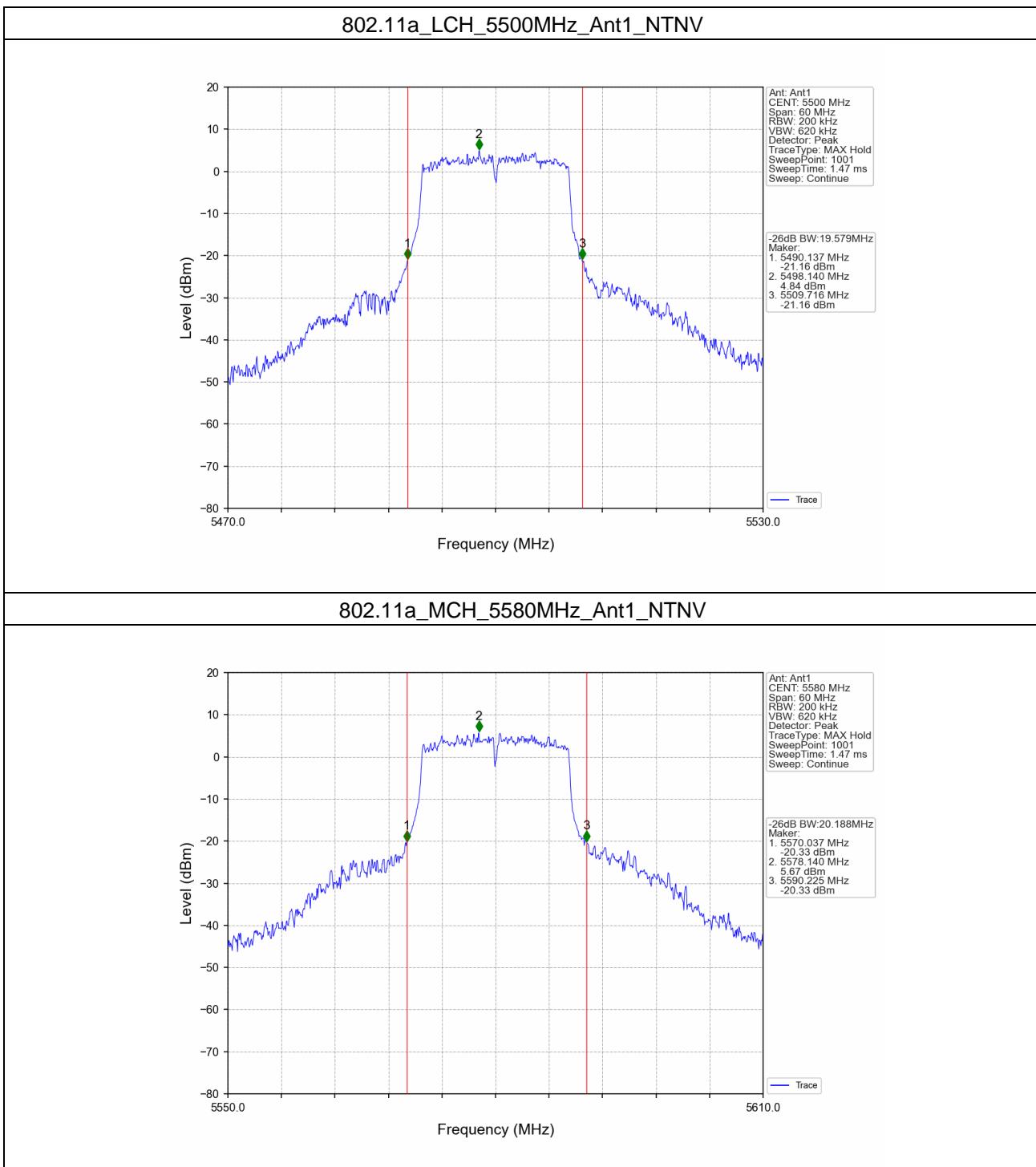
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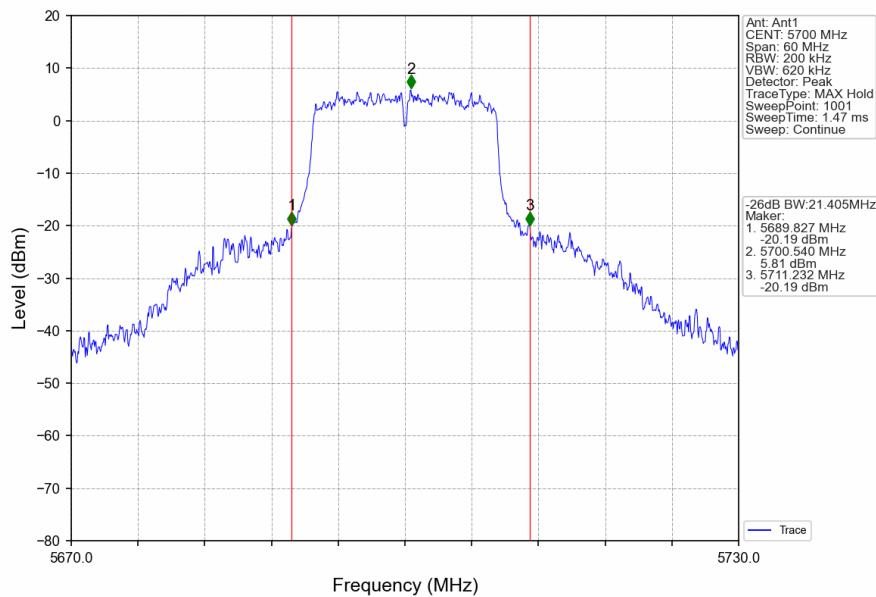
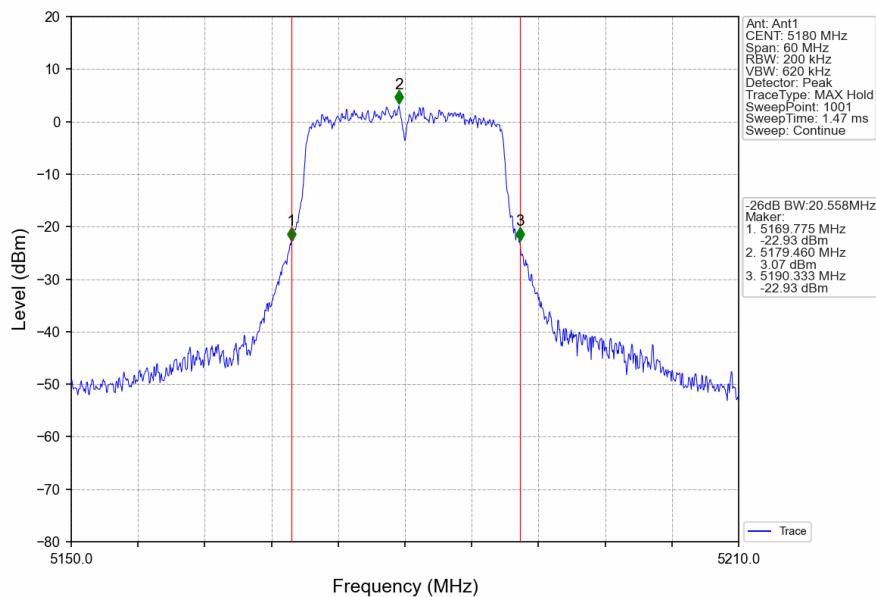




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802.11a_HCH_5700MHz_Ant1_NTNV**802.11n(HT20)_LCH_5180MHz_Ant1_NTNV**

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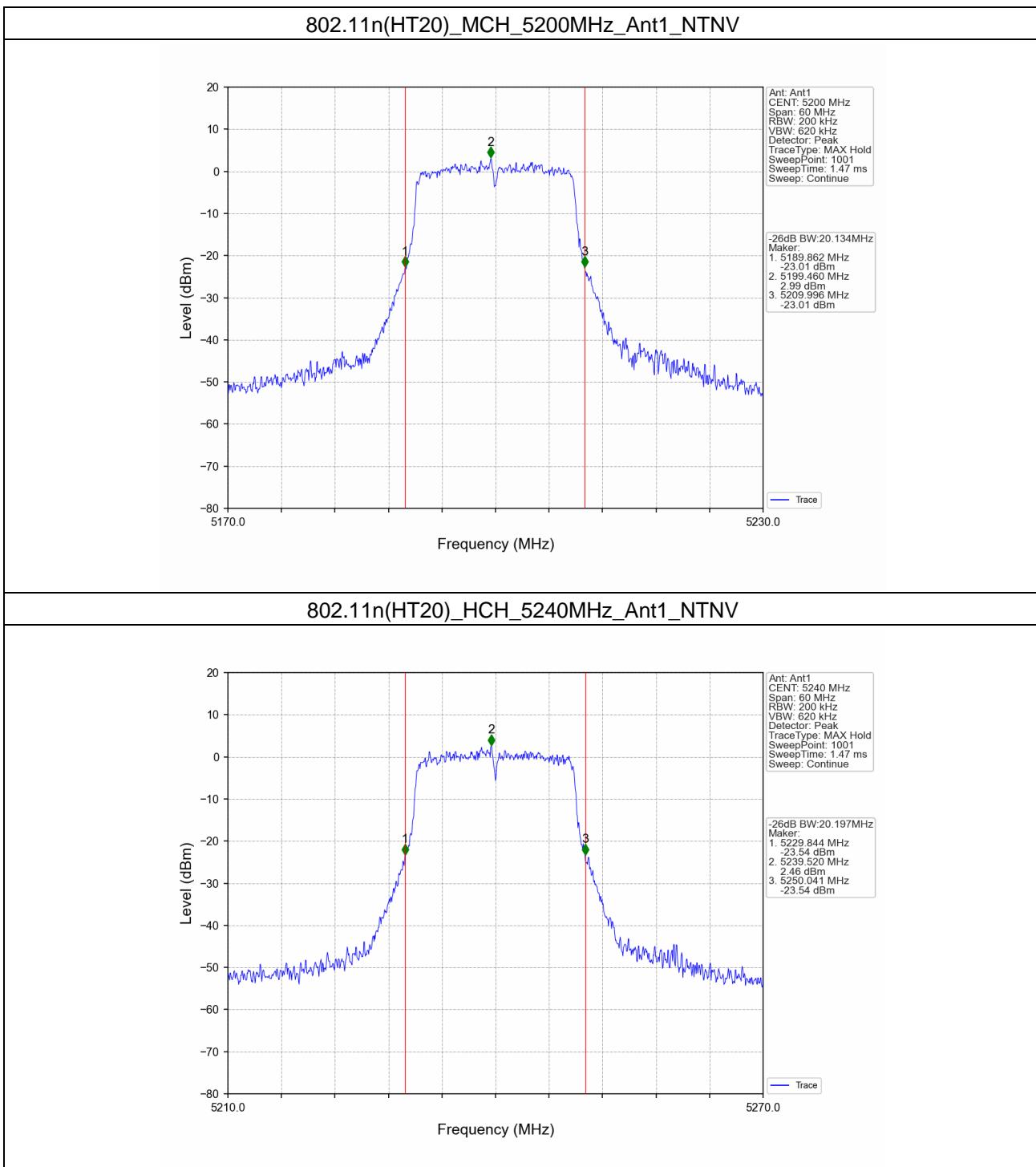
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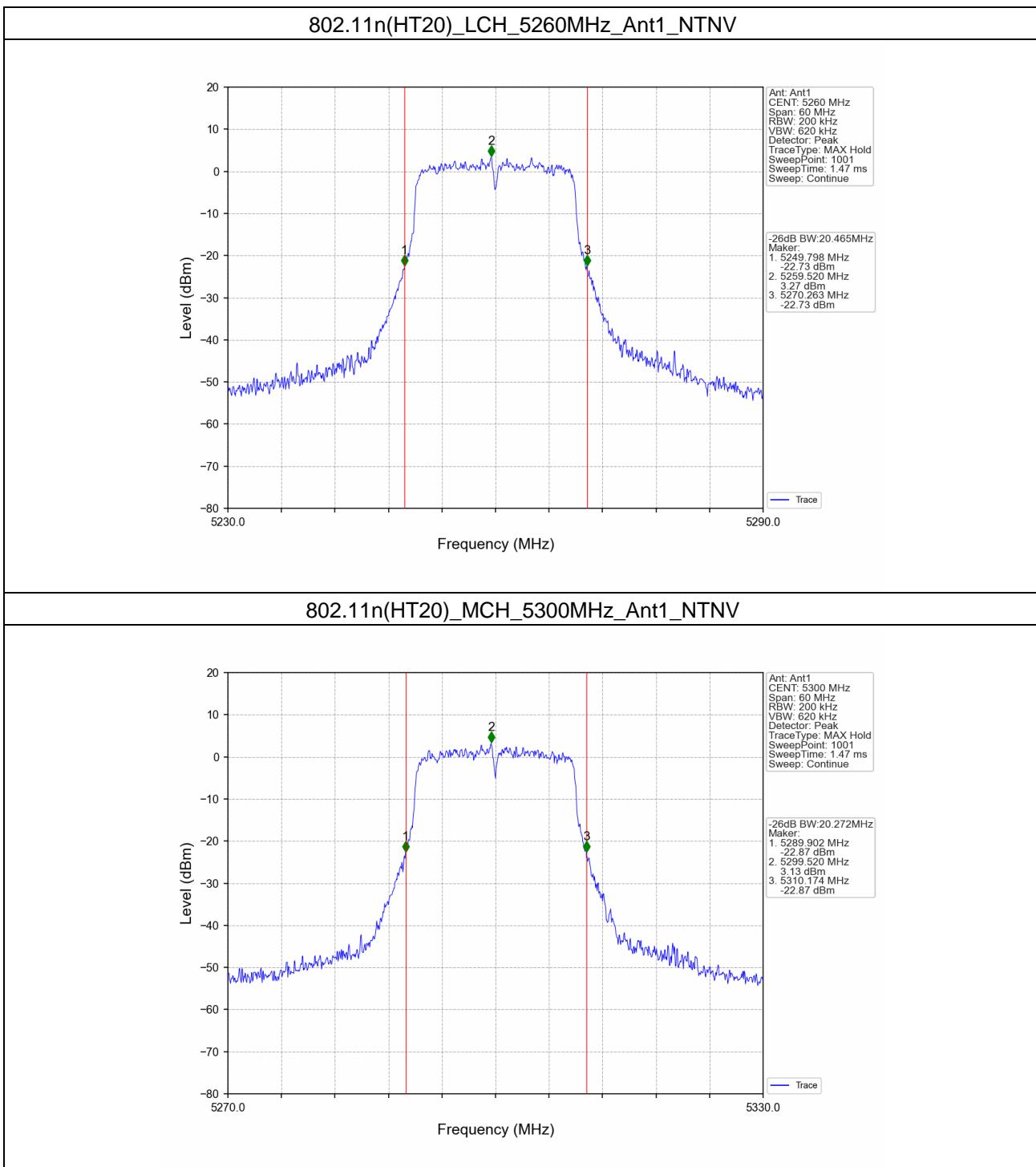
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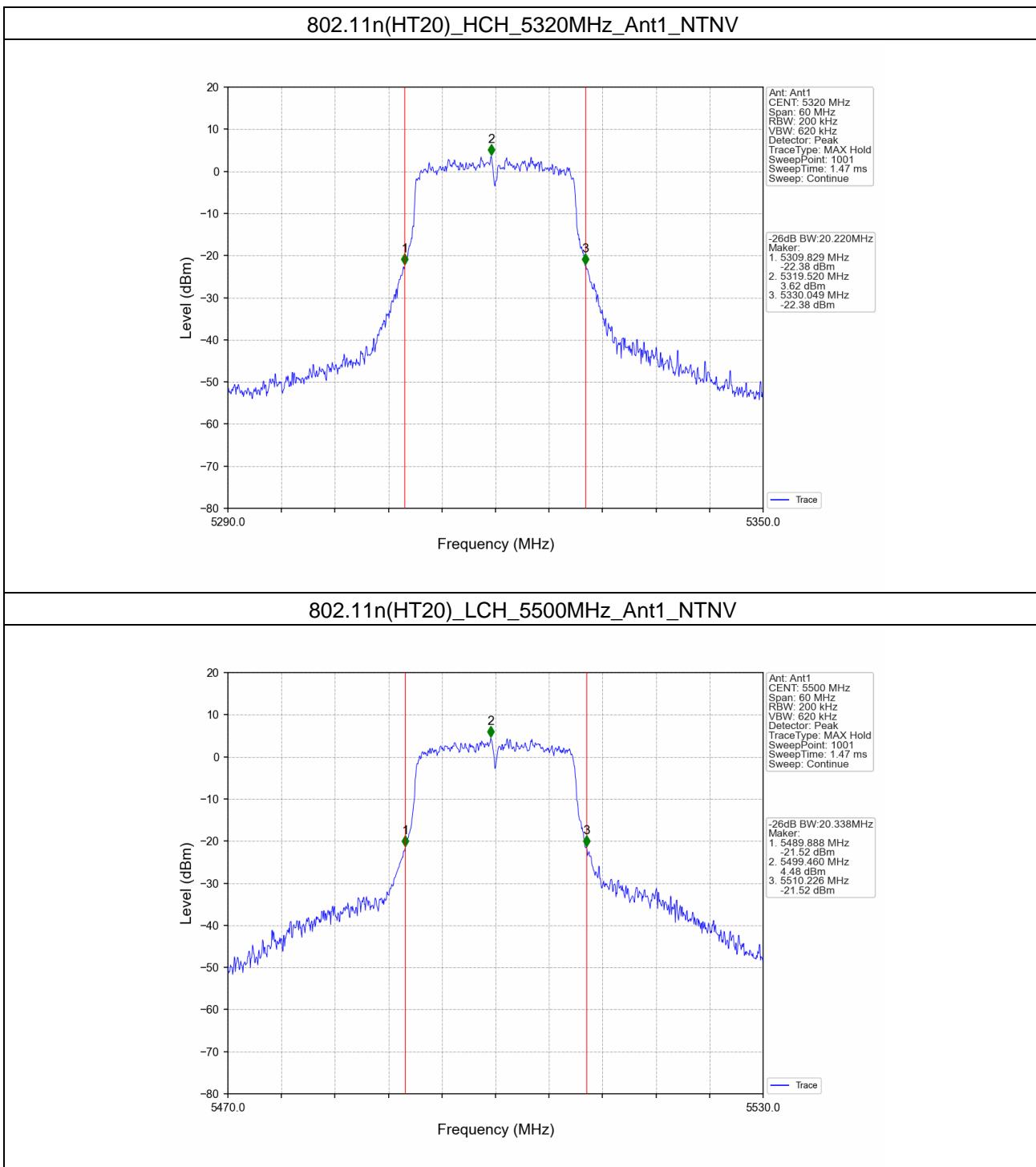




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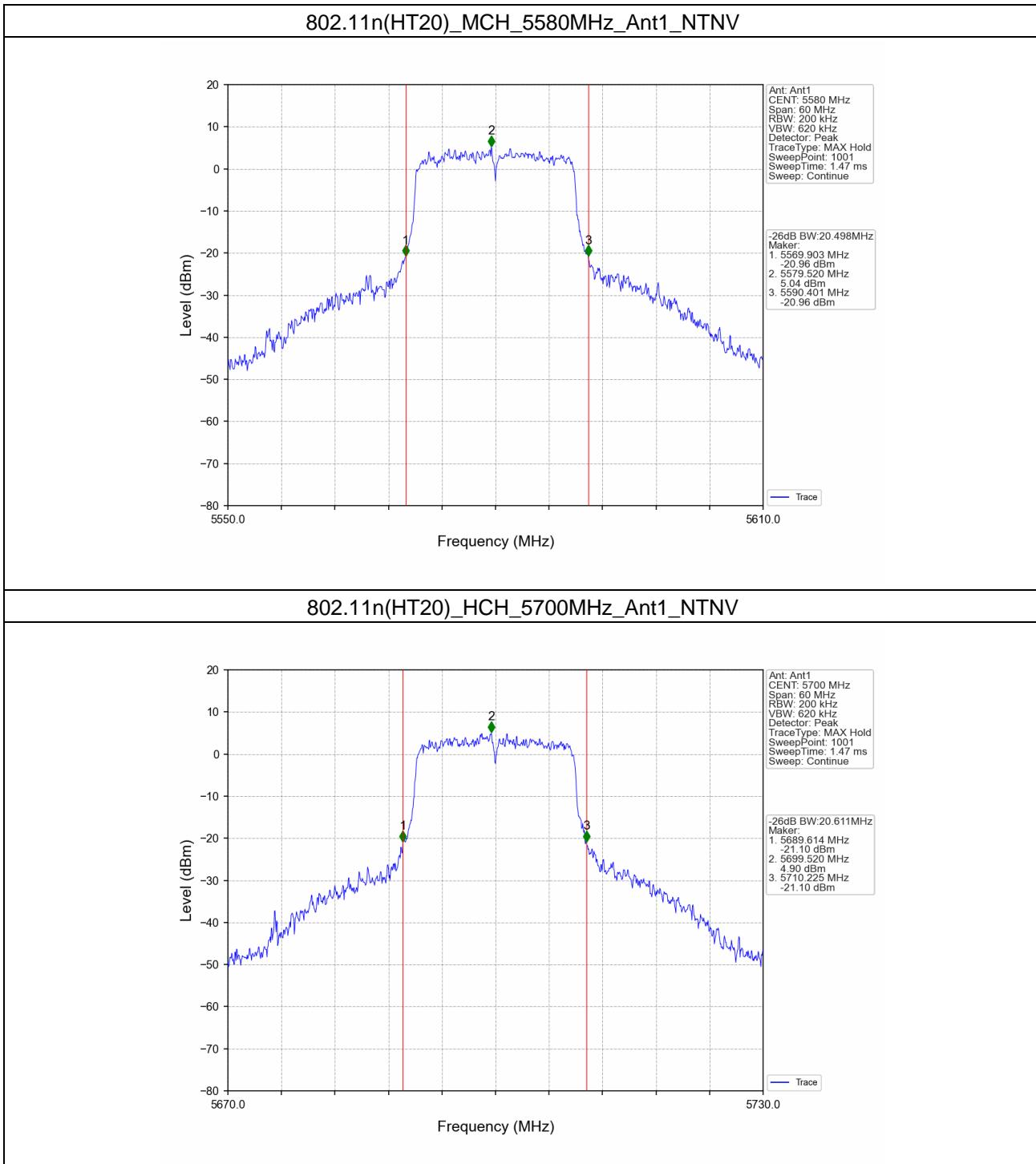




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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

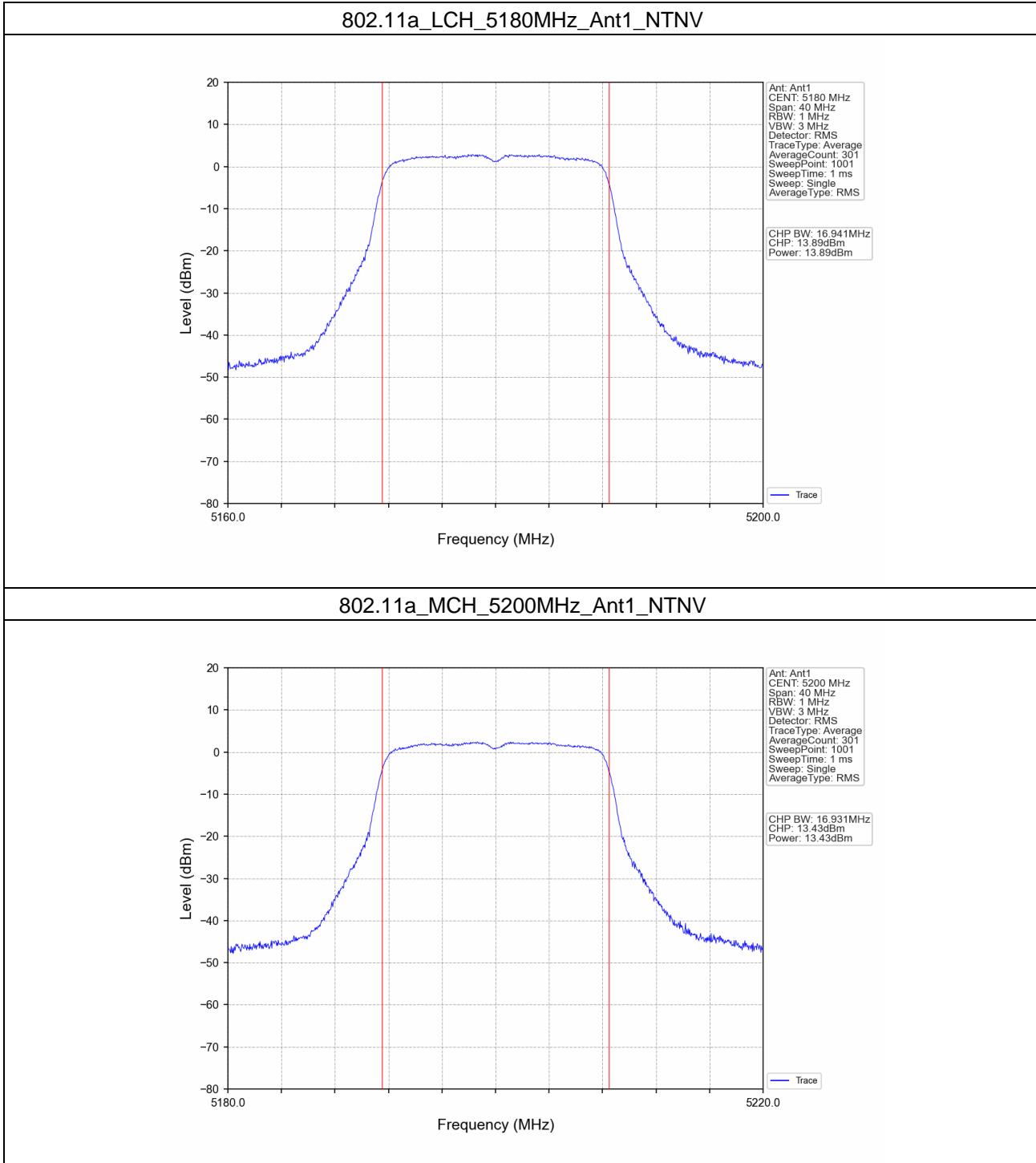
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	13.89	<=23.98	Pass
		5200	13.43	<=23.98	Pass
		5240	13.16	<=23.98	Pass
		5260	14.13	<=23.92	Pass
		5300	13.68	<=23.93	Pass
		5320	13.61	<=23.91	Pass
		5500	14.53	<=23.92	Pass
		5580	15.52	<=23.98	Pass
		5700	15.86	<=23.98	Pass
		5745	14.85	<=30	Pass
		5785	14.50	<=30	Pass
		5825	14.40	<=30	Pass
802.11n (HT20)	SISO	5180	12.89	<=23.98	Pass
		5200	12.67	<=23.98	Pass
		5240	12.37	<=23.98	Pass
		5260	13.18	<=23.98	Pass
		5300	12.91	<=23.98	Pass
		5320	13.34	<=23.98	Pass
		5500	14.13	<=23.98	Pass
		5580	14.91	<=23.98	Pass
		5700	14.84	<=23.98	Pass
		5745	14.13	<=30	Pass
		5785	13.37	<=30	Pass
		5825	13.80	<=30	Pass

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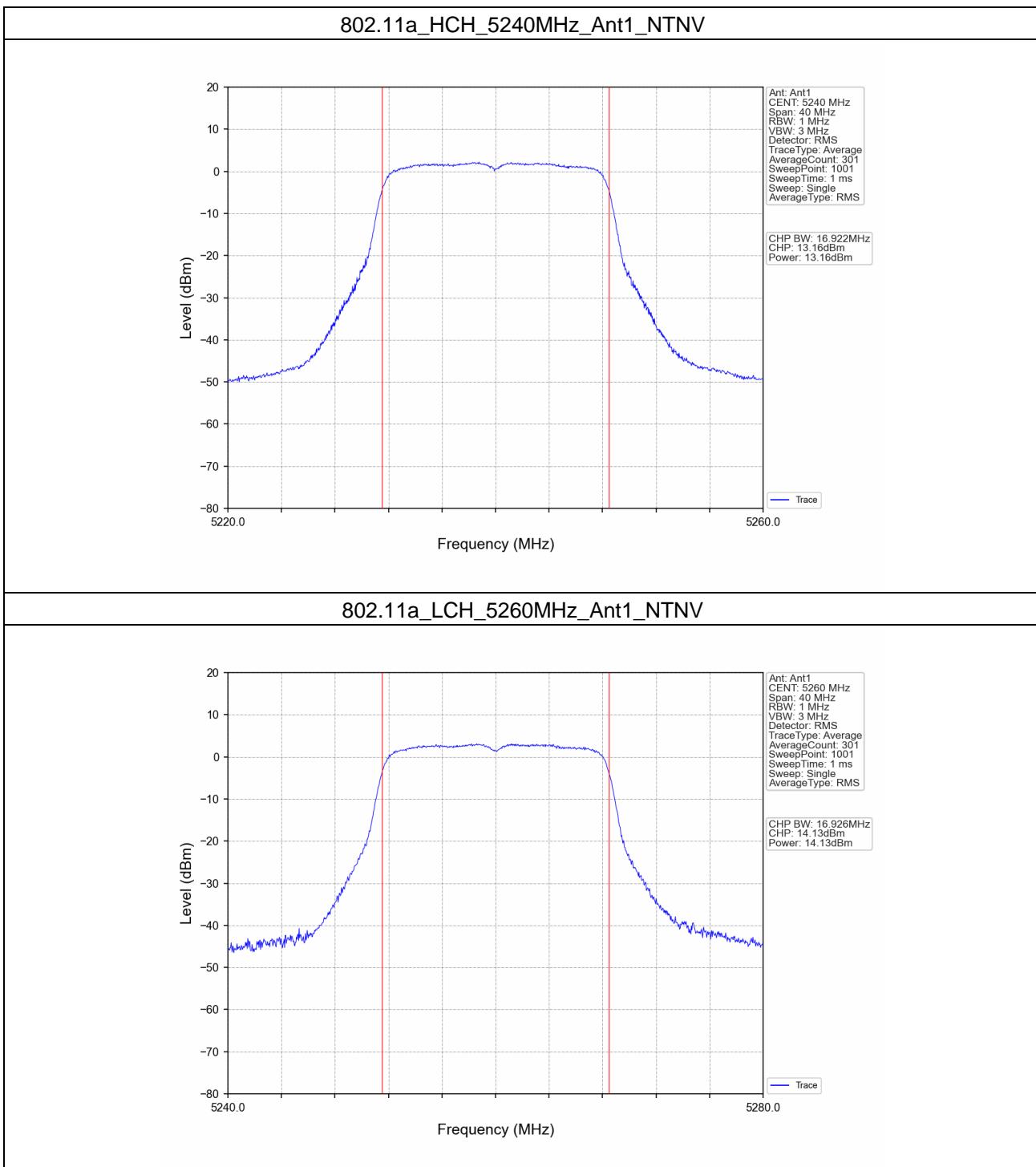


3.1.2 Test Graph



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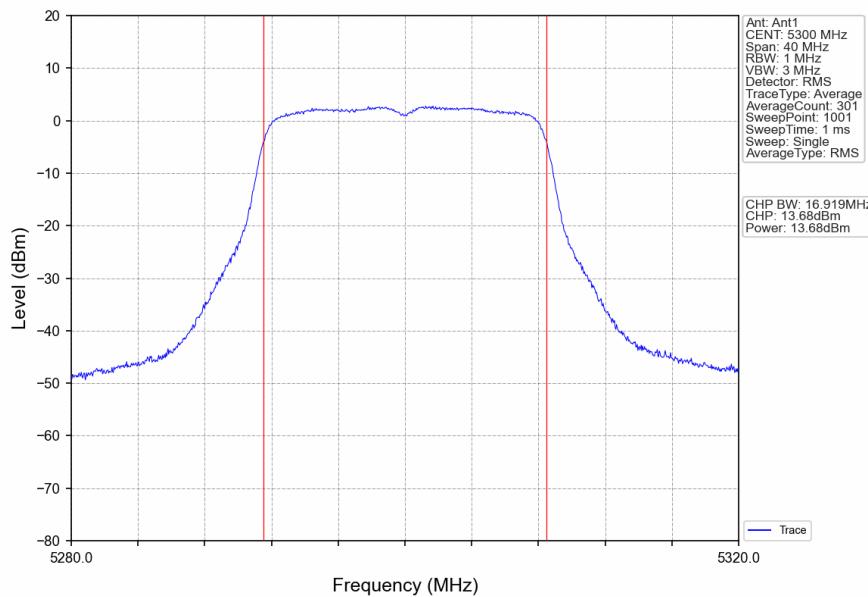
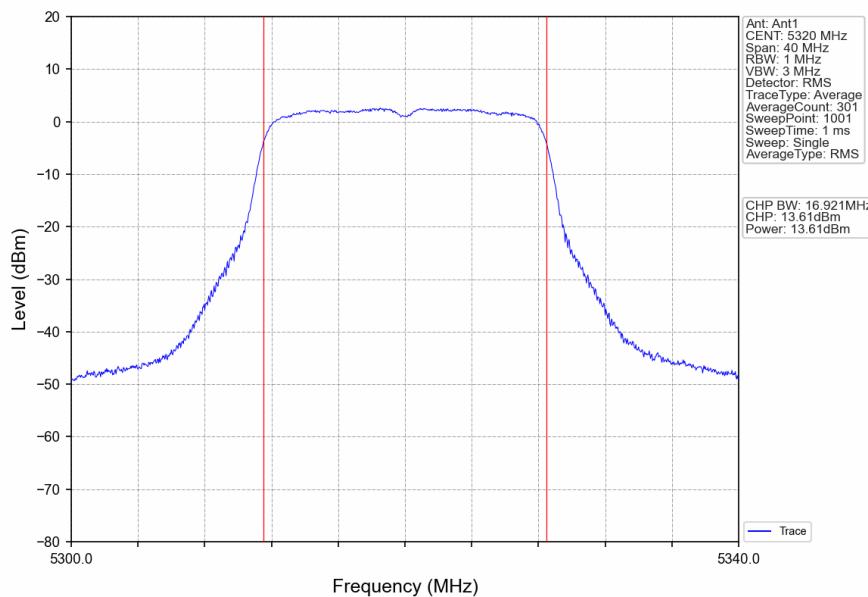
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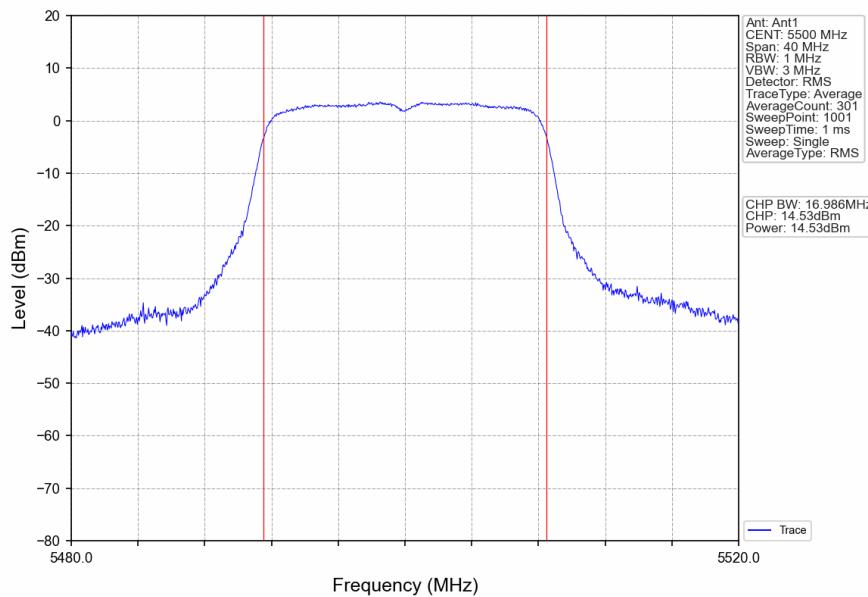
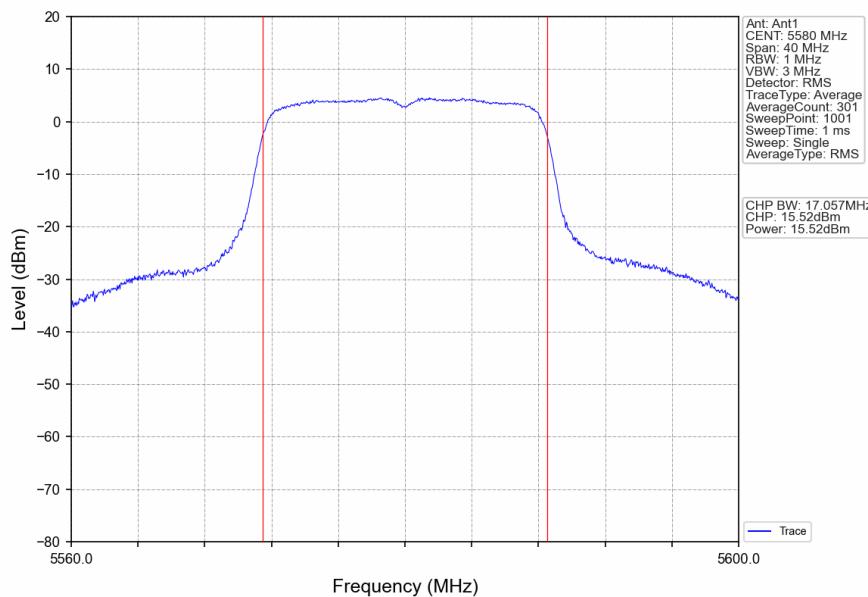


802.11a_MCH_5300MHz_Ant1_NTNV**802.11a_HCH_5320MHz_Ant1_NTNV**

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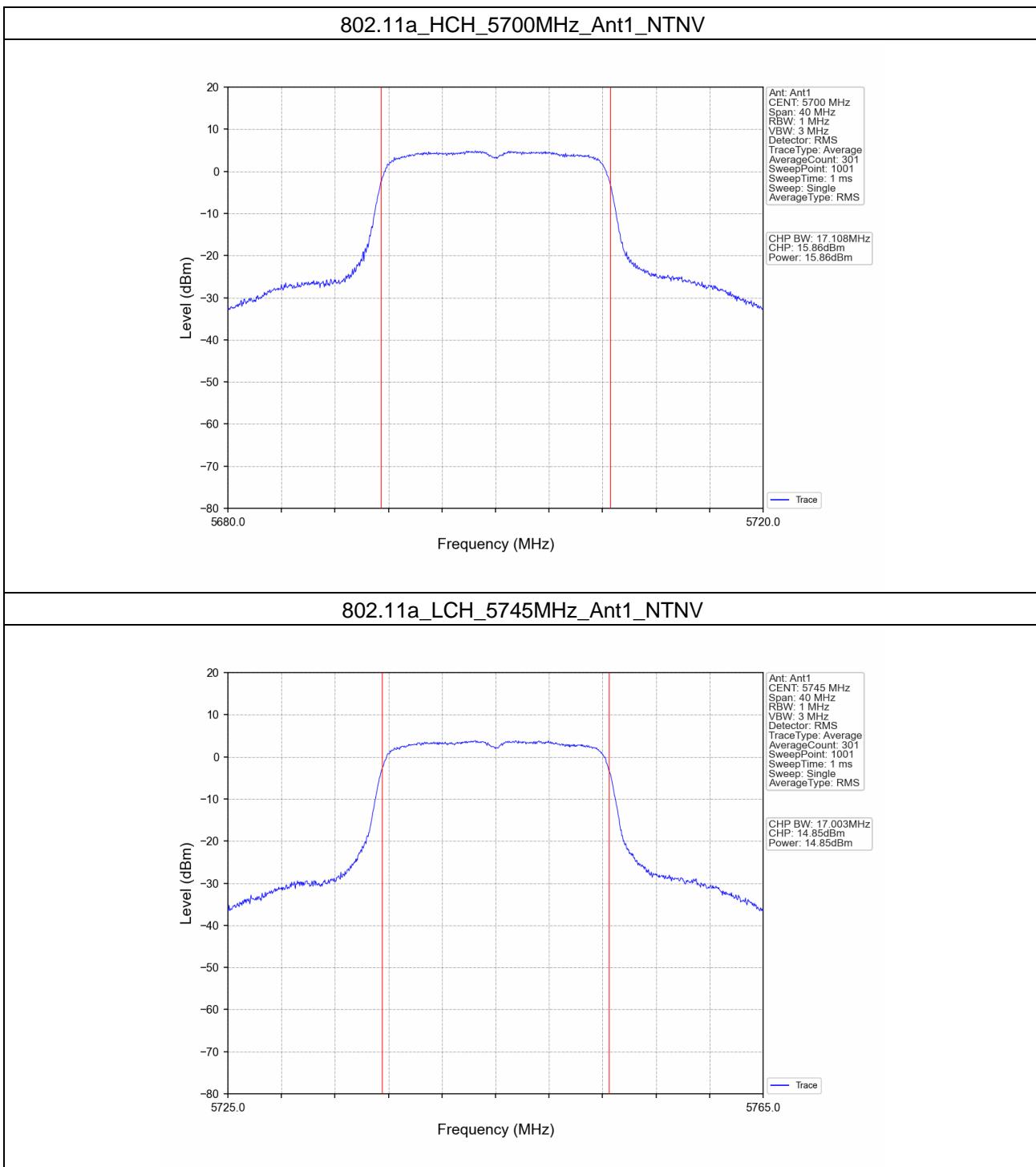


802.11a_LCH_5500MHz_Ant1_NTNV**802.11a_MCH_5580MHz_Ant1_NTNV**

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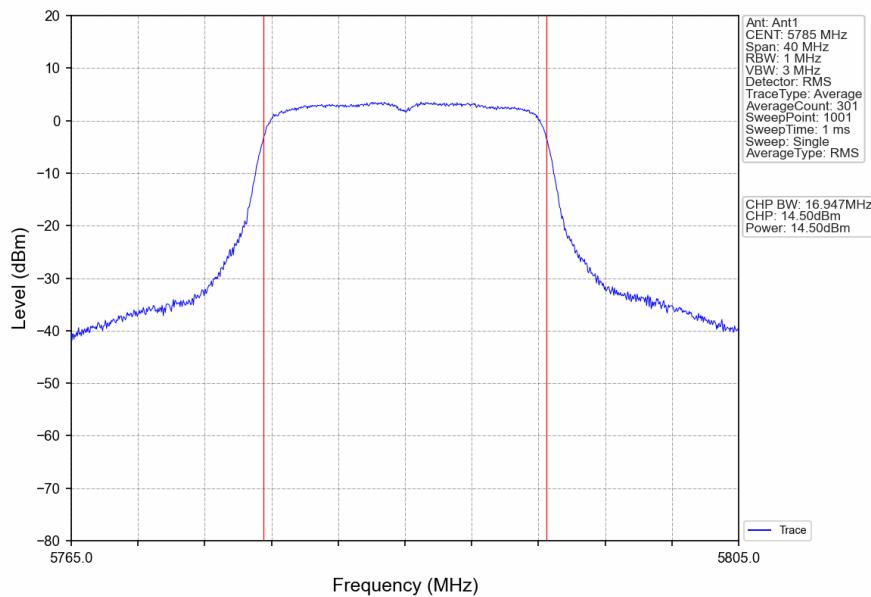
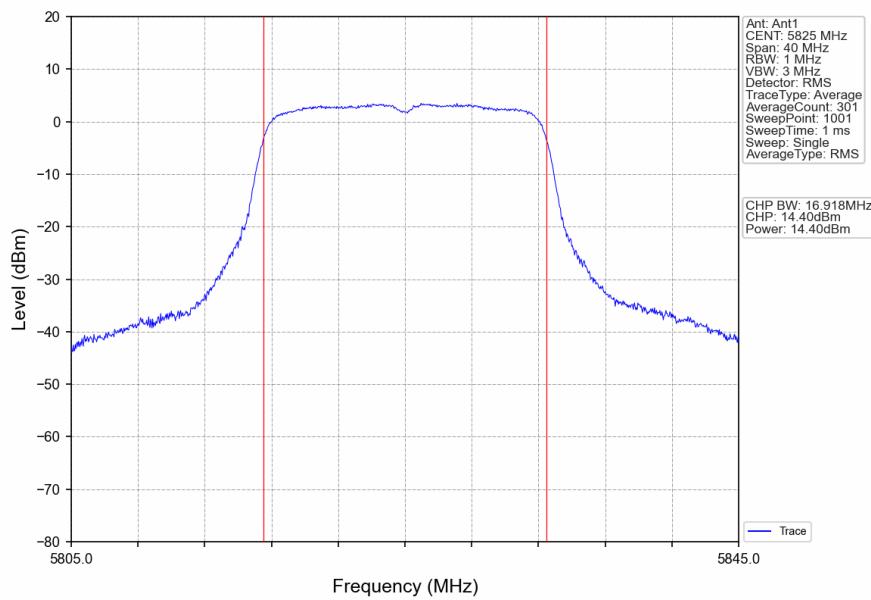




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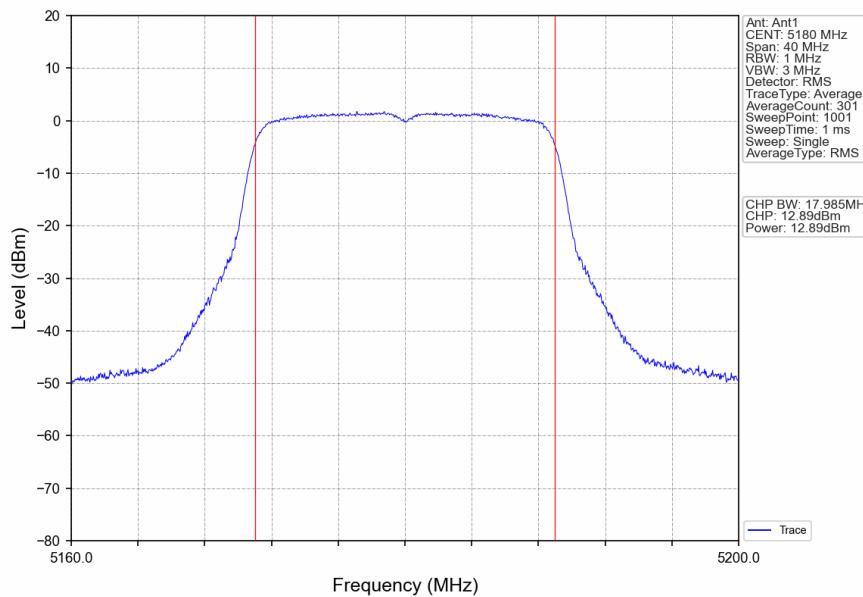
802.11a_MCH_5785MHz_Ant1_NTNV**802.11a_HCH_5825MHz_Ant1_NTNV**

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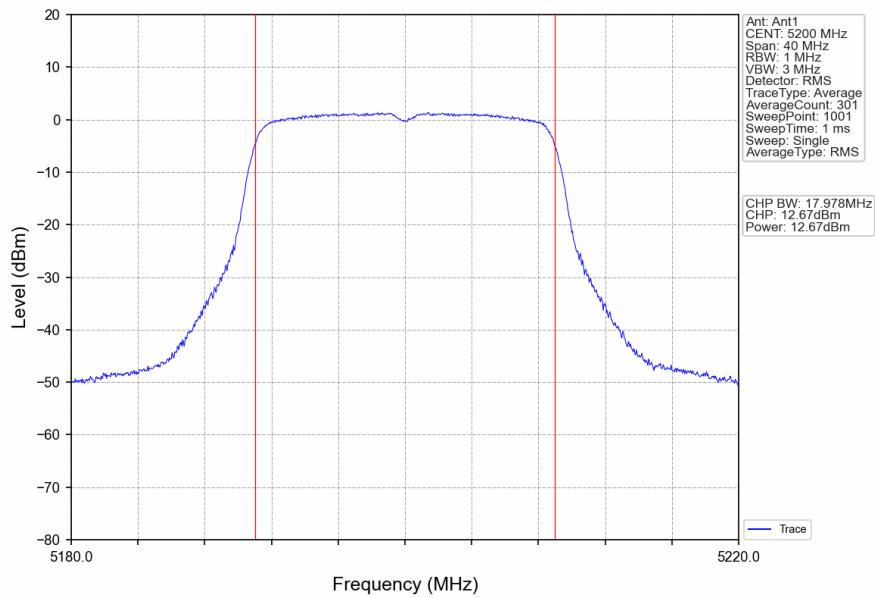
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802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



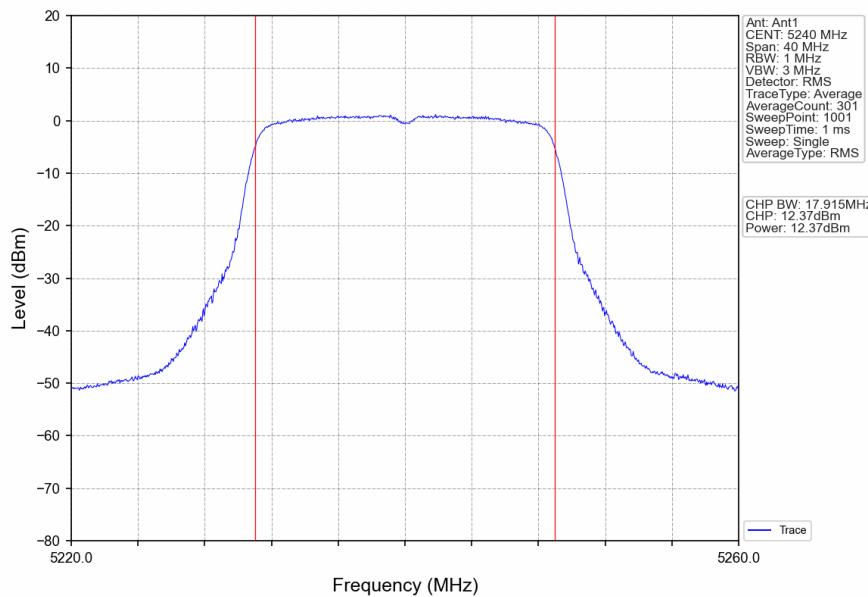
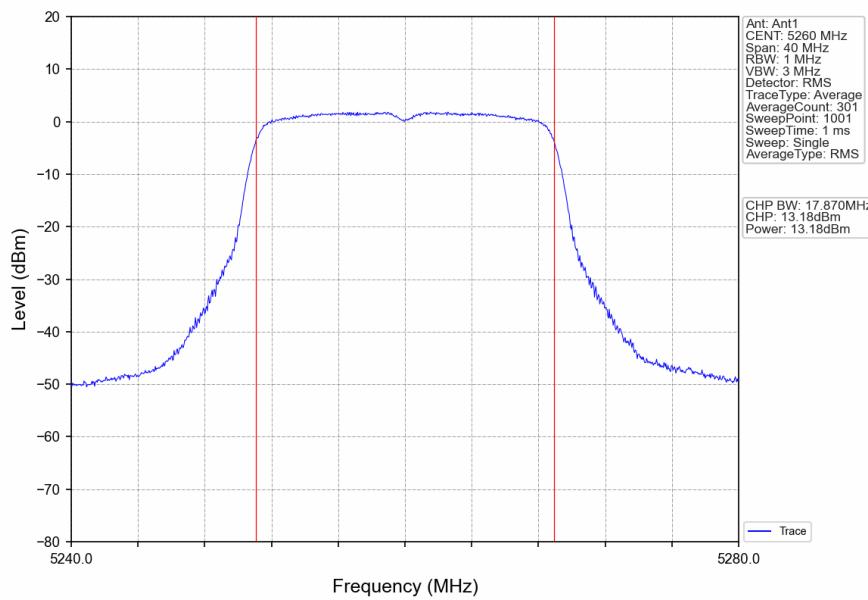
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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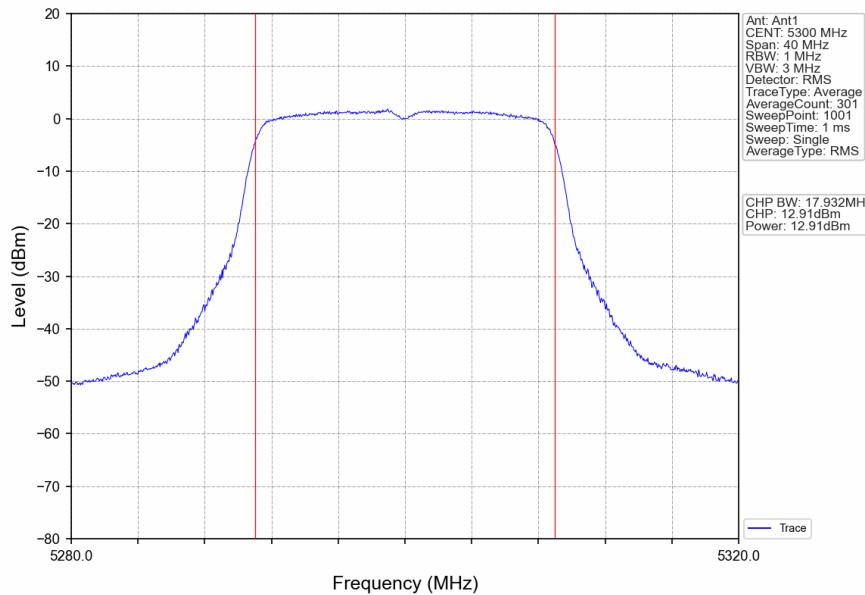
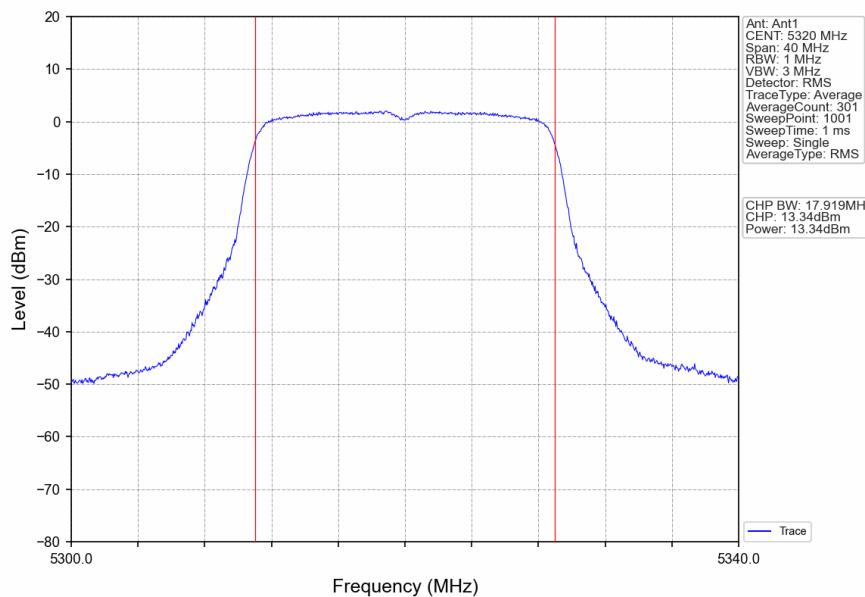


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV**802.11n(HT20)_LCH_5260MHz_Ant1_NTNV**

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802.11n(HT20)_MCH_5300MHz_Ant1_NTNV**802.11n(HT20)_HCH_5320MHz_Ant1_NTNV**

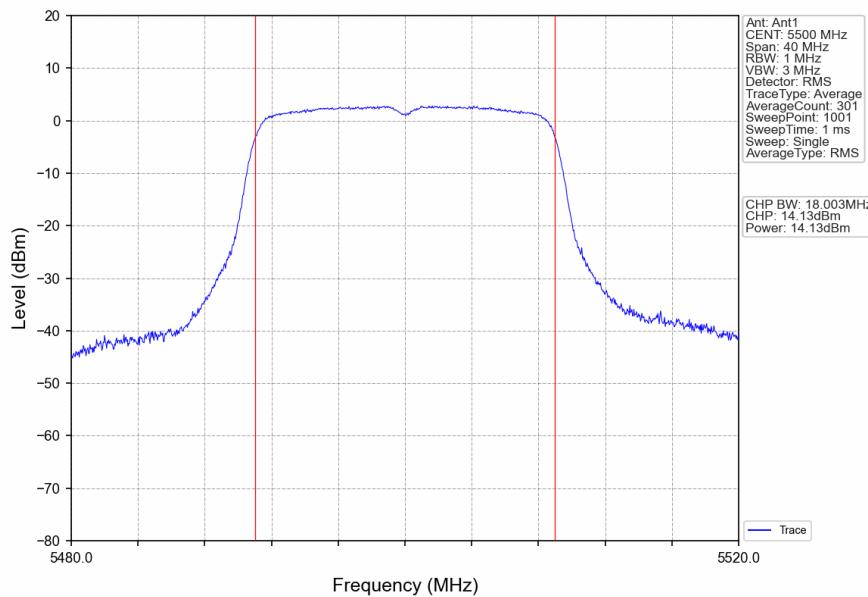
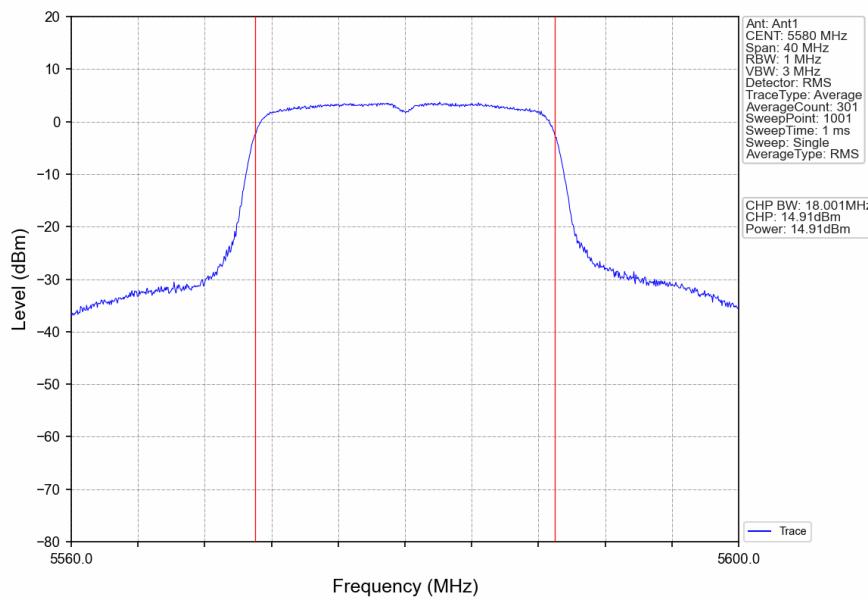
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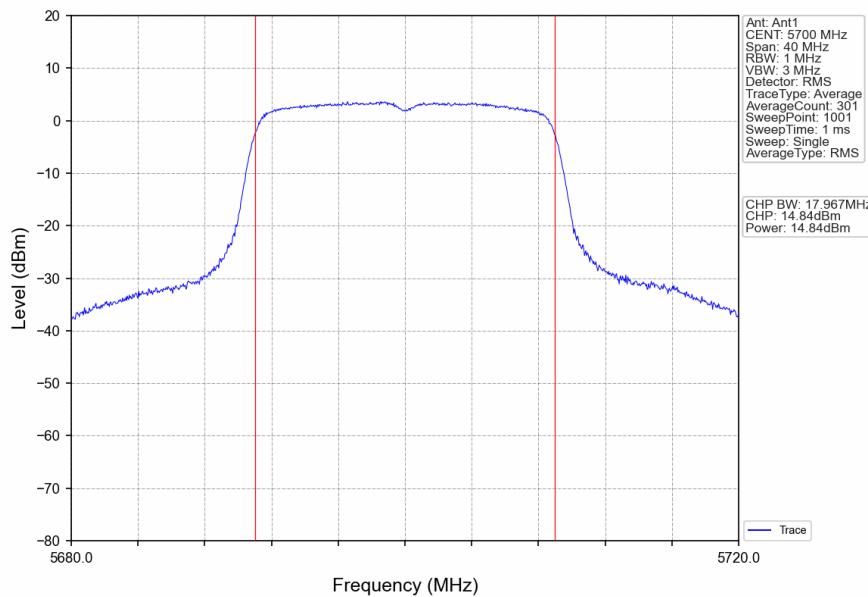
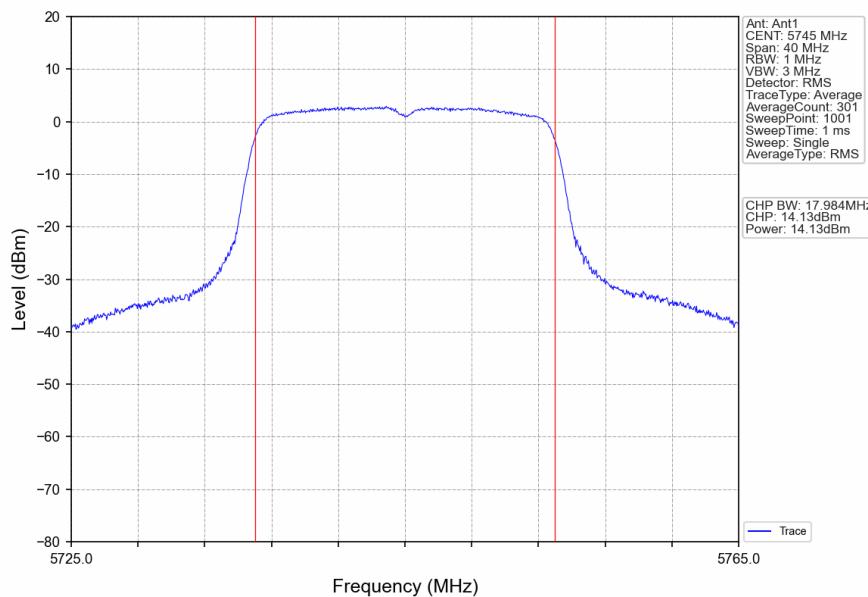
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV**802.11n(HT20)_MCH_5580MHz_Ant1_NTNV**

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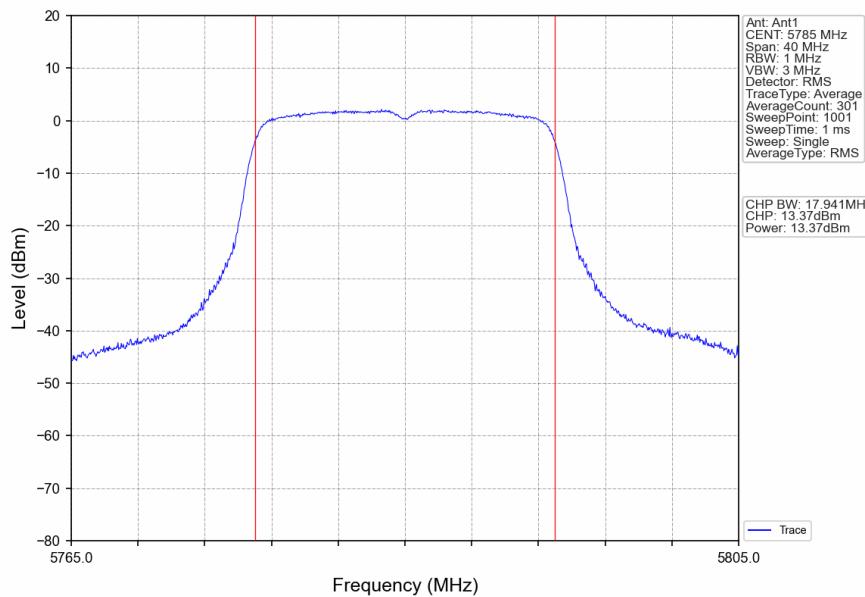
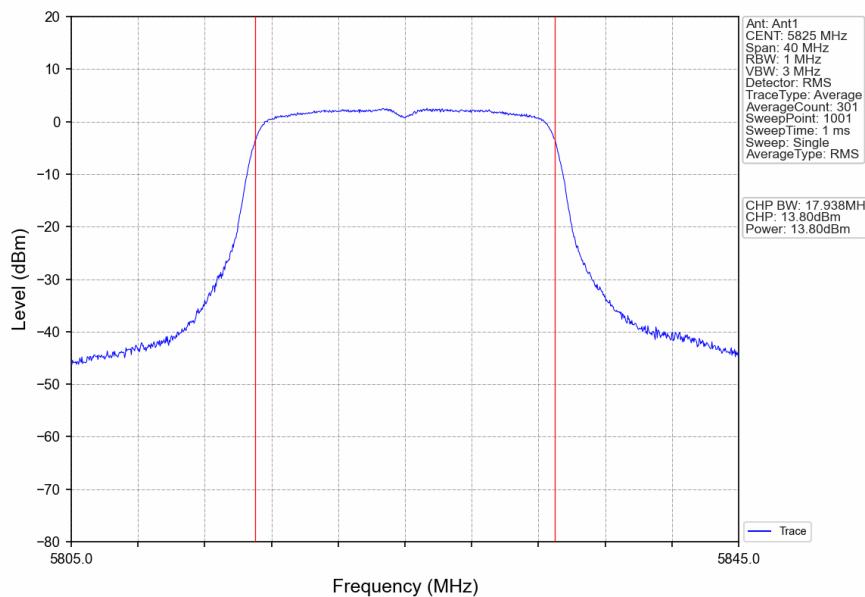


802.11n(HT20)_HCH_5700MHz_Ant1_NTNV**802.11n(HT20)_LCH_5745MHz_Ant1_NTNV**

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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV**802.11n(HT20)_HCH_5825MHz_Ant1_NTNV**

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4. Maximum Power Spectral Density

4.1 PSD

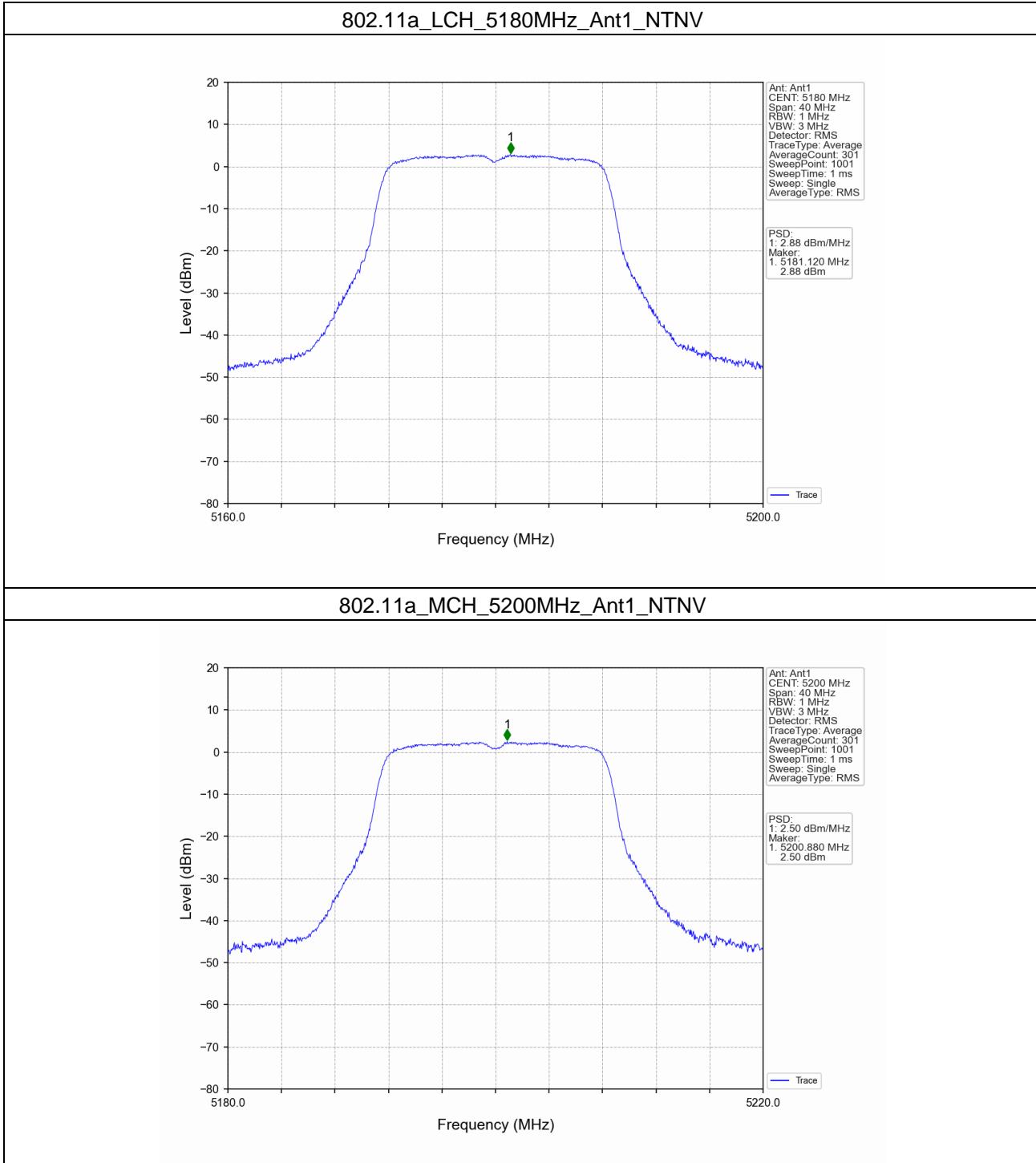
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	2.88	<=11	Pass
		5200	2.50	<=11	Pass
		5240	2.28	<=11	Pass
		5260	3.14	<=11	Pass
		5300	2.82	<=11	Pass
		5320	2.66	<=11	Pass
		5500	3.51	<=11	Pass
		5580	4.57	<=11	Pass
		5700	4.92	<=11	Pass
802.11n (HT20)	SISO	5180	1.62	<=11	Pass
		5200	1.41	<=11	Pass
		5240	1.07	<=11	Pass
		5260	1.88	<=11	Pass
		5300	1.73	<=11	Pass
		5320	1.93	<=11	Pass
		5500	2.90	<=11	Pass
		5580	3.71	<=11	Pass
		5700	3.55	<=11	Pass

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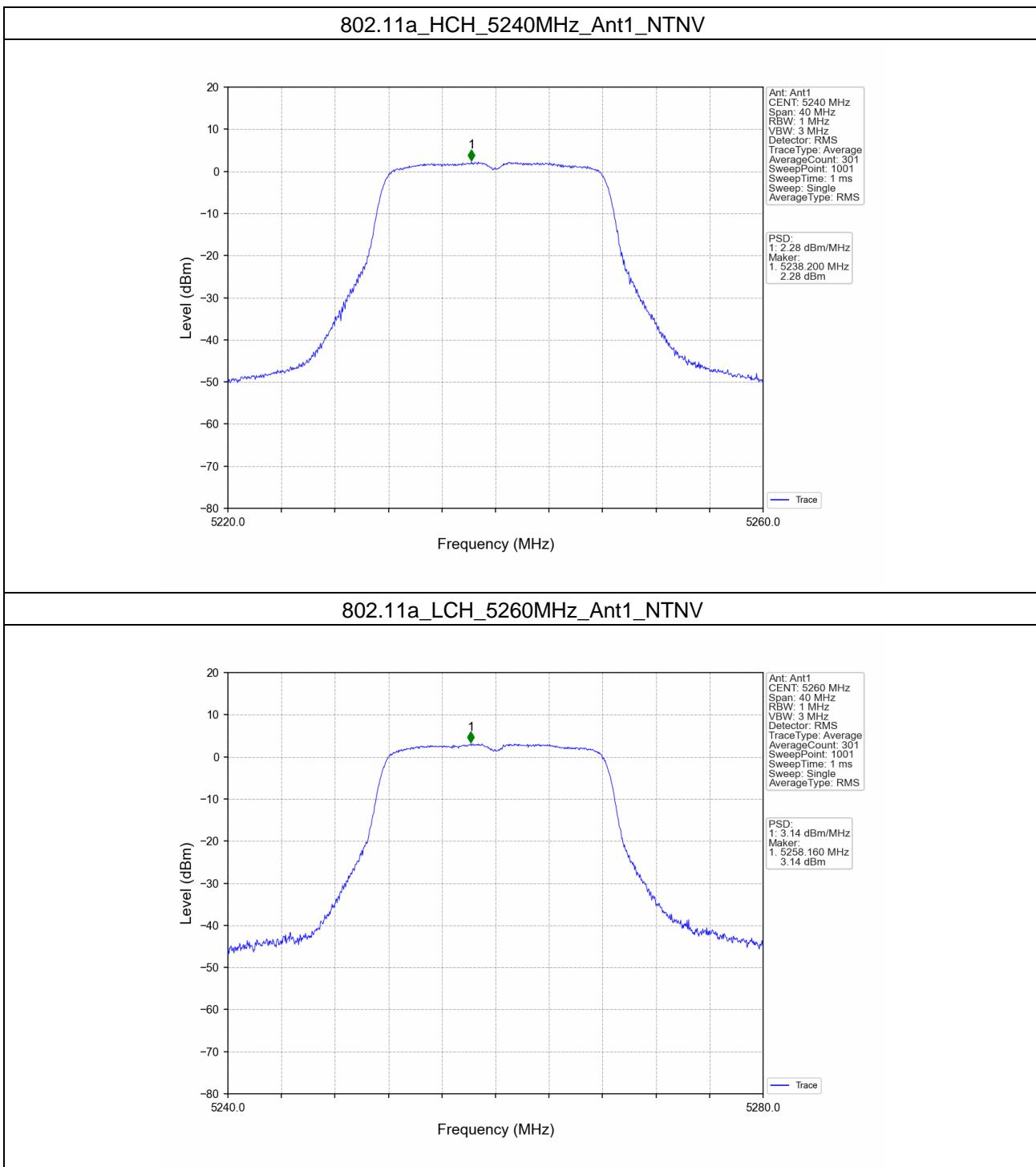


4.1.2 Test Graph

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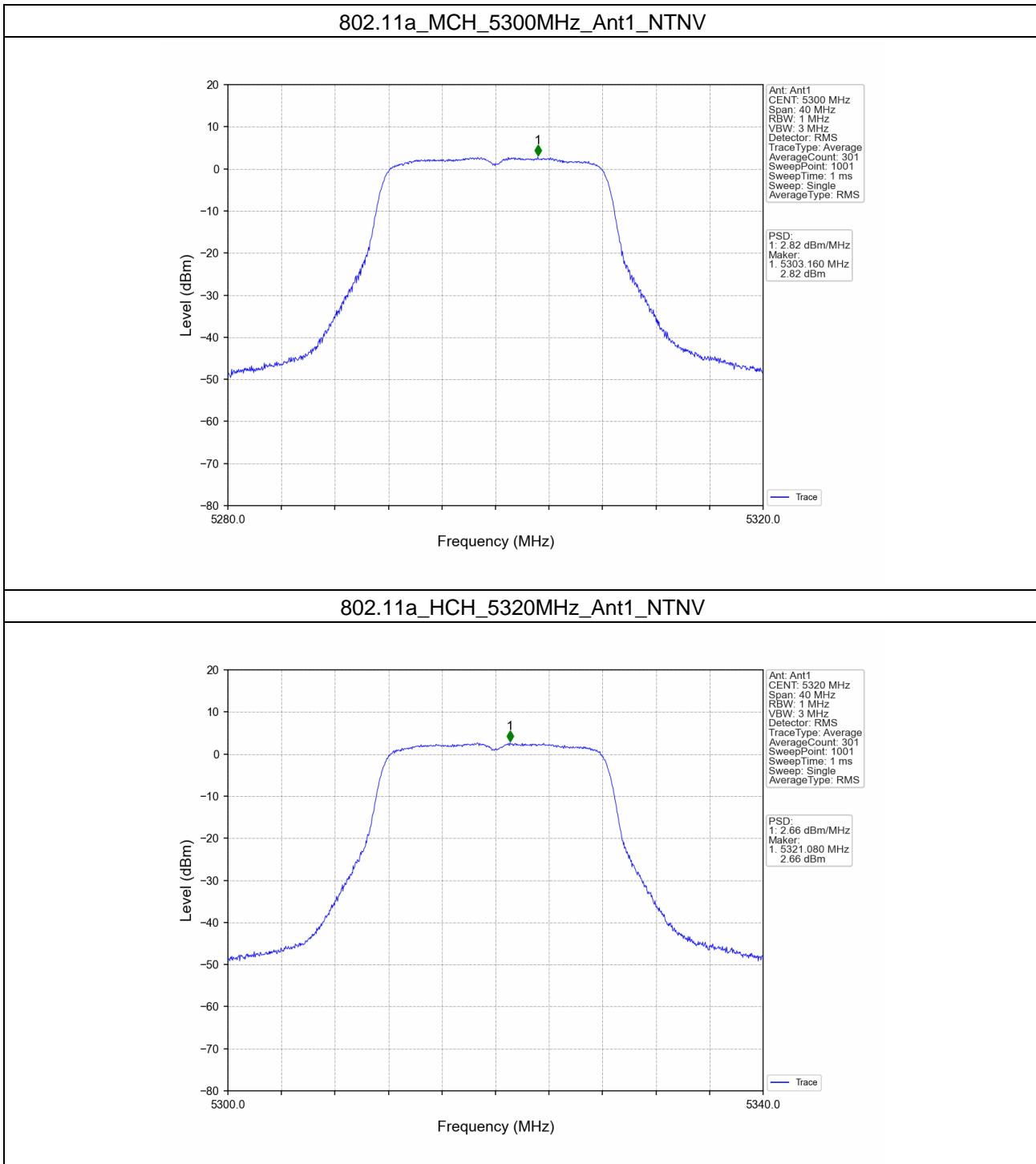




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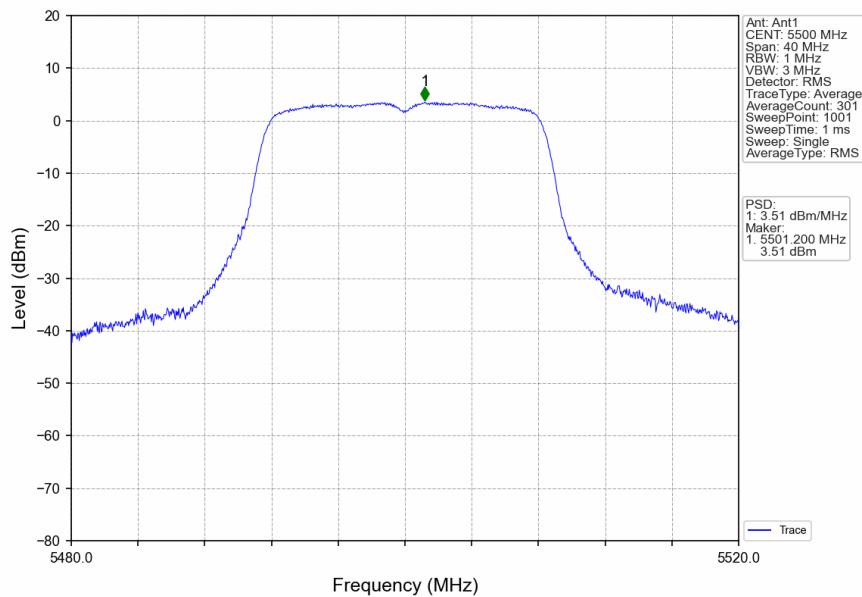


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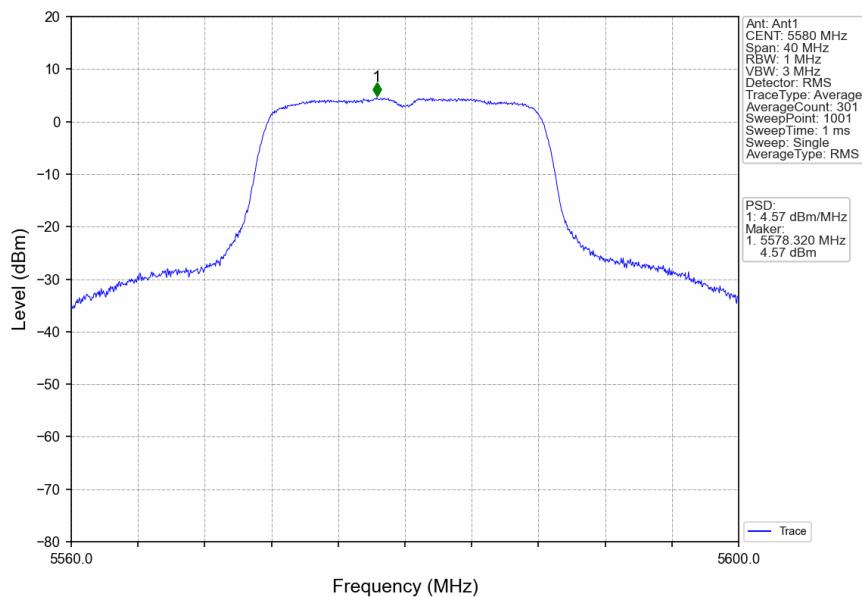
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802.11a_LCH_5500MHz_Ant1_NTNV



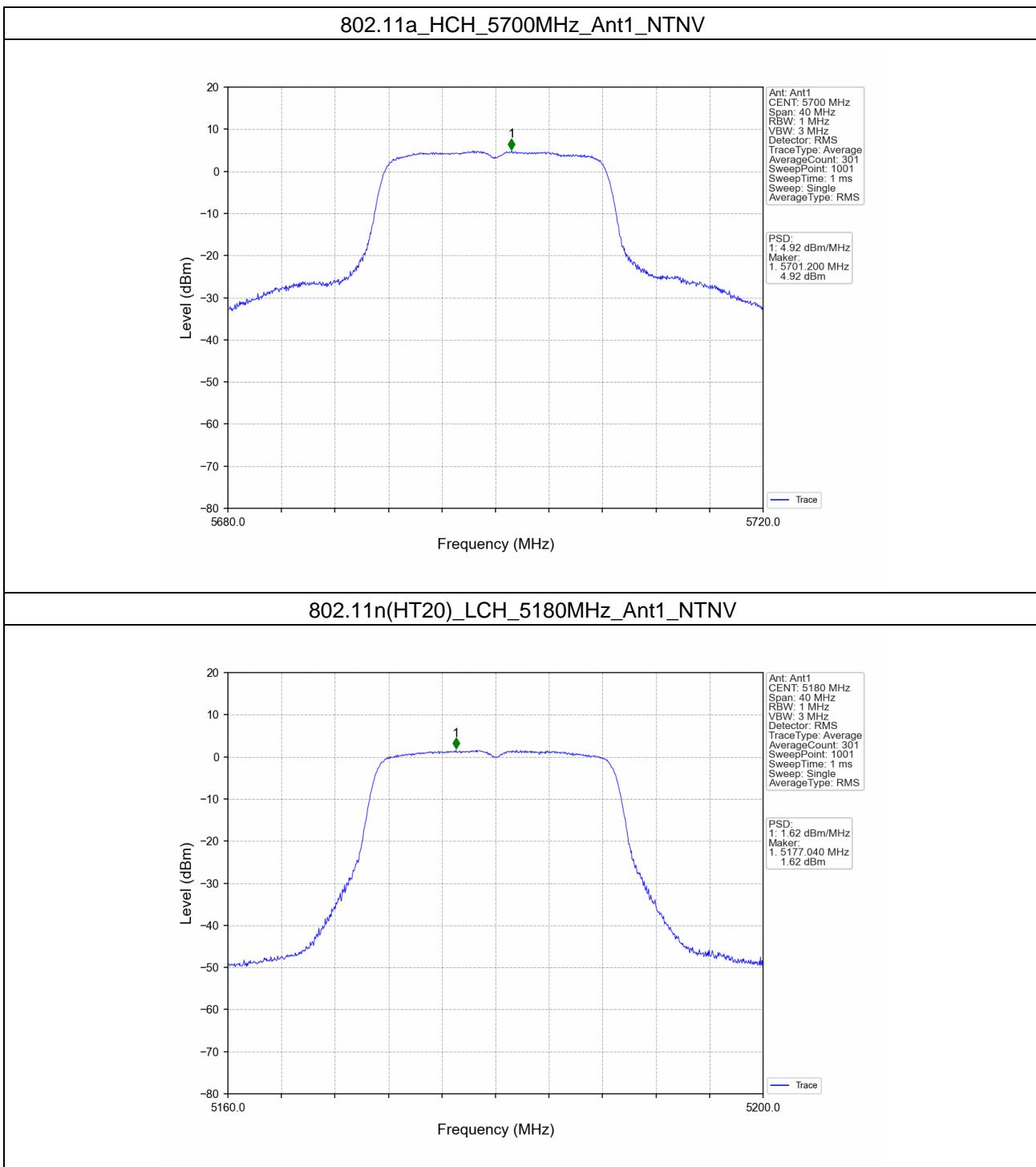
802.11a_MCH_5580MHz_Ant1_NTNV



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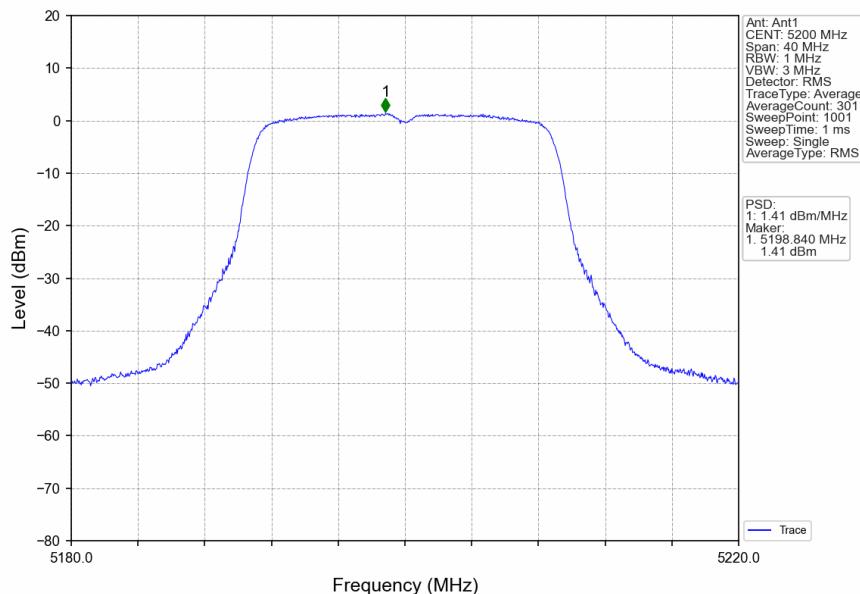
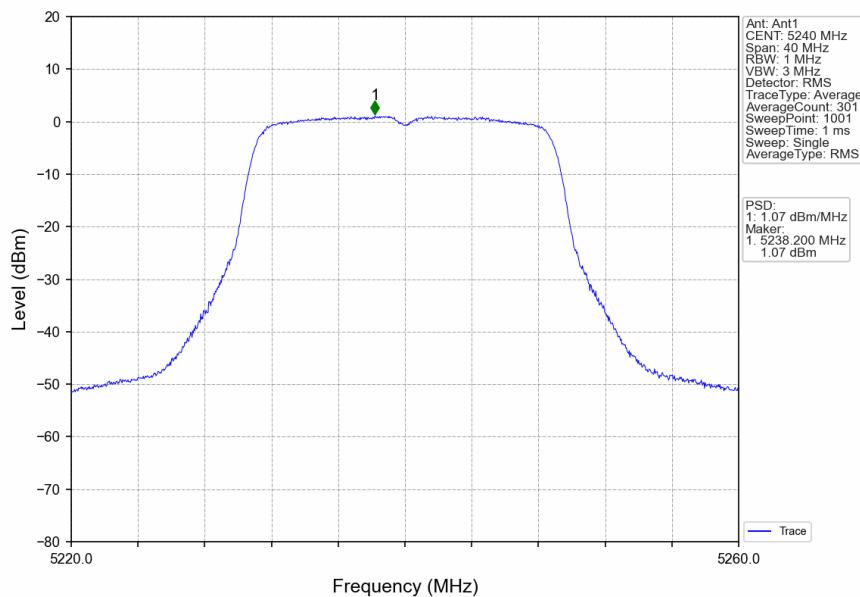




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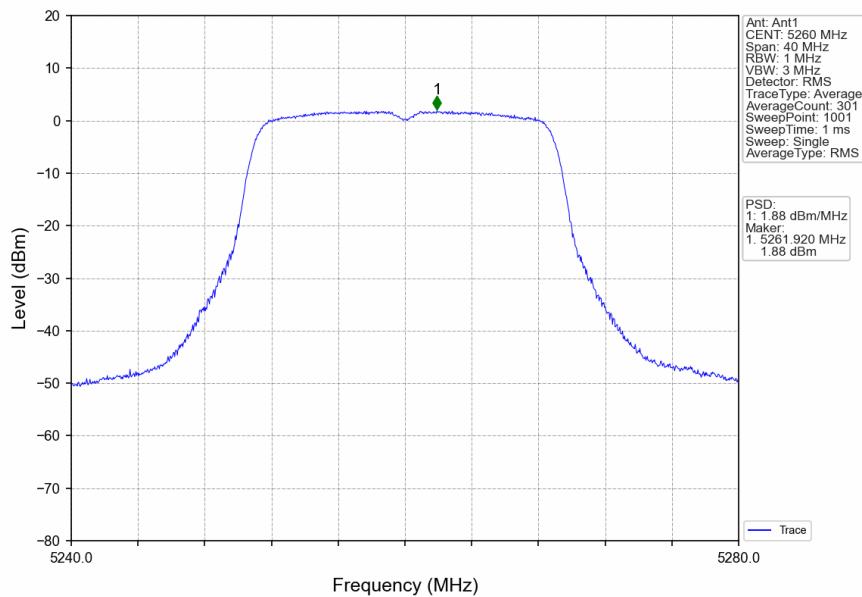
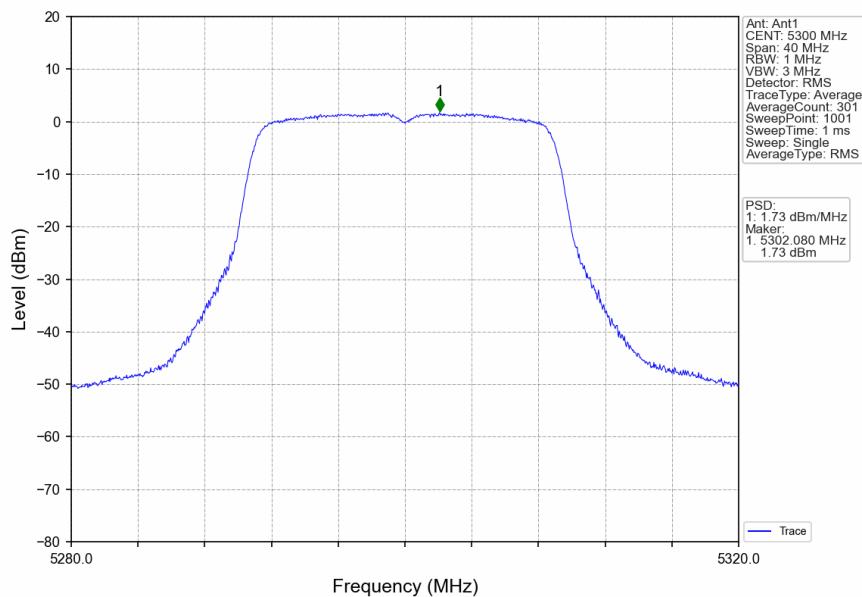


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV**802.11n(HT20)_HCH_5240MHz_Ant1_NTNV**

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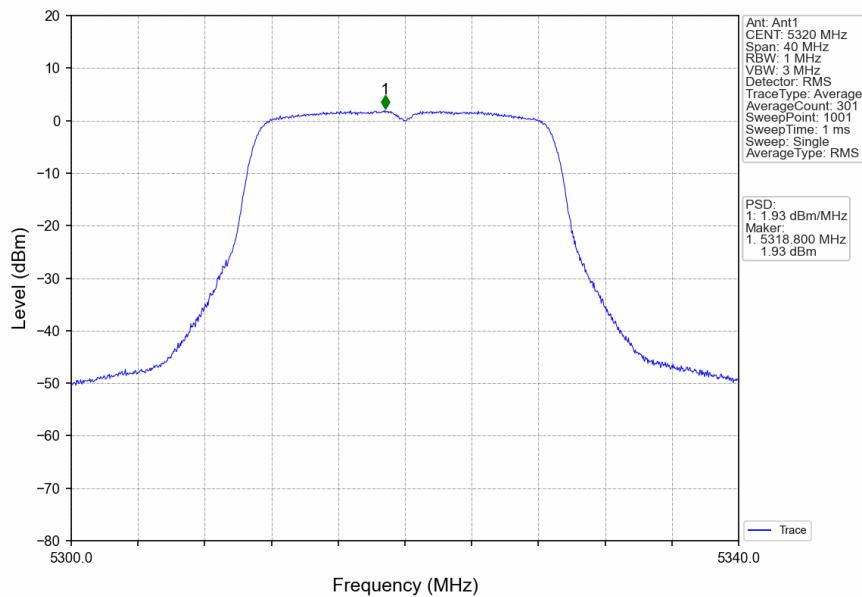
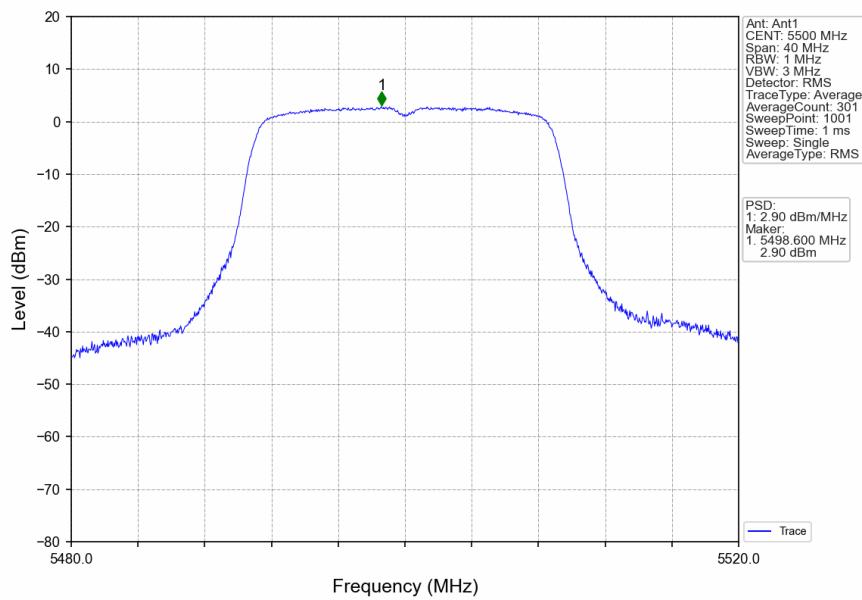


802.11n(HT20)_LCH_5260MHz_Ant1_NTNV**802.11n(HT20)_MCH_5300MHz_Ant1_NTNV**

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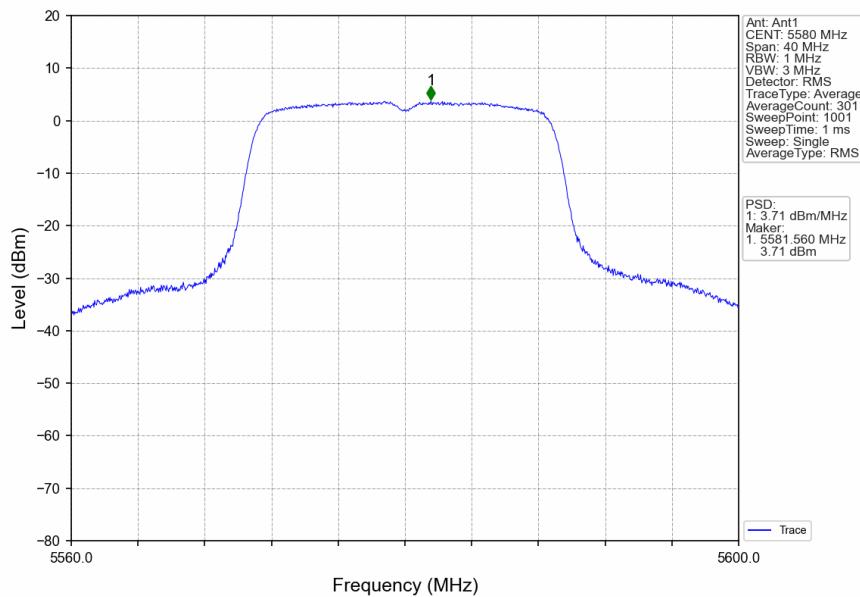
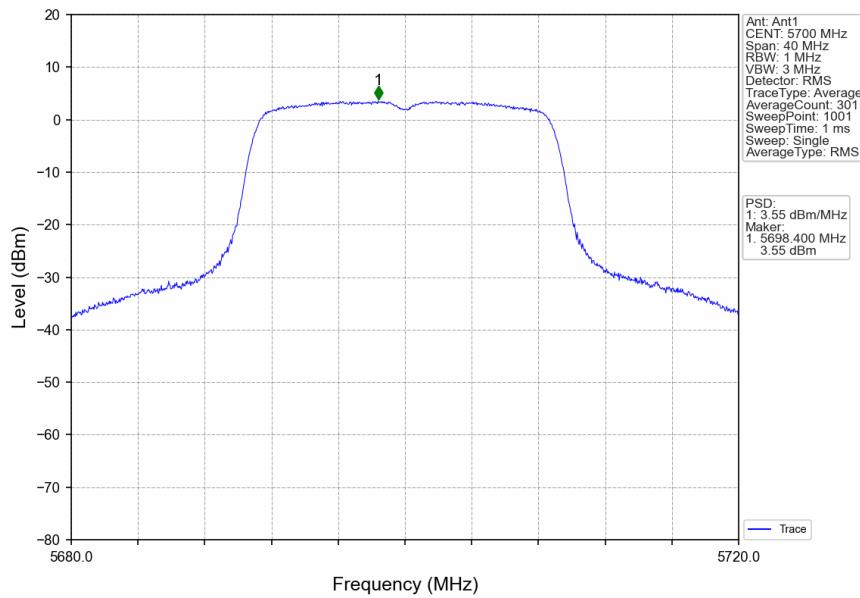


802.11n(HT20)_HCH_5320MHz_Ant1_NTNV**802.11n(HT20)_LCH_5500MHz_Ant1_NTNV**

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4.2 PSD-Band3**4.2.1 Test Result**

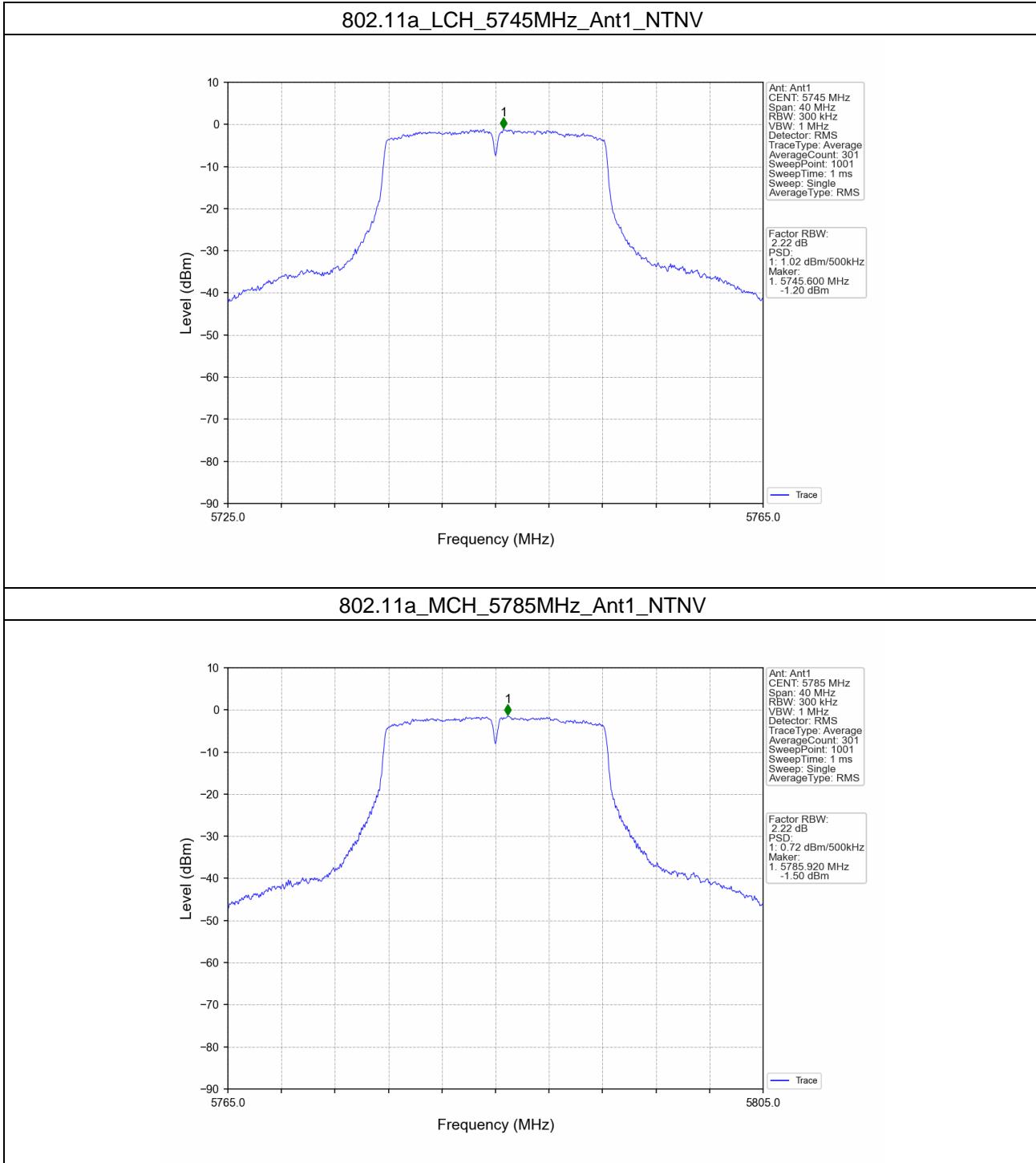
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	1.02	<=30	Pass
		5785	0.72	<=30	Pass
		5825	0.87	<=30	Pass
802.11n (HT20)	SISO	5745	0.24	<=30	Pass
		5785	-0.71	<=30	Pass
		5825	-0.34	<=30	Pass

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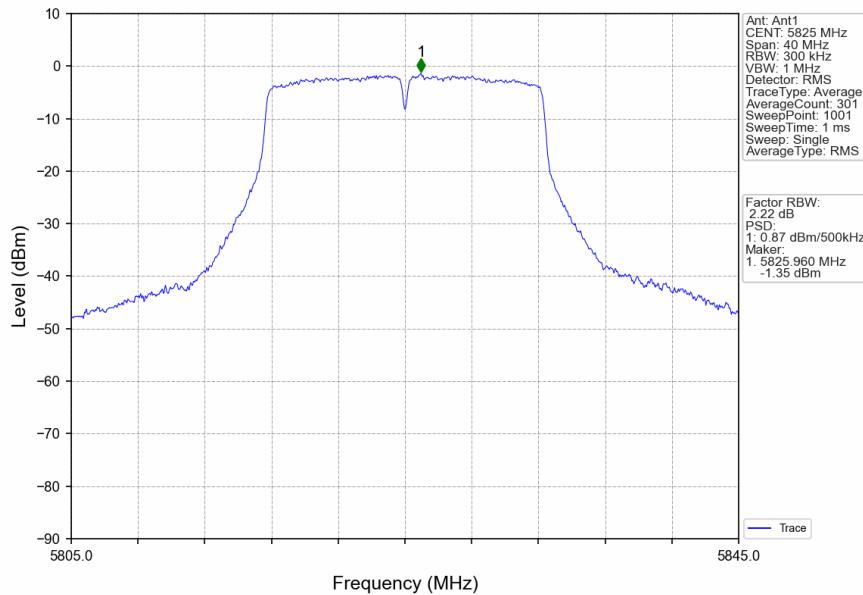
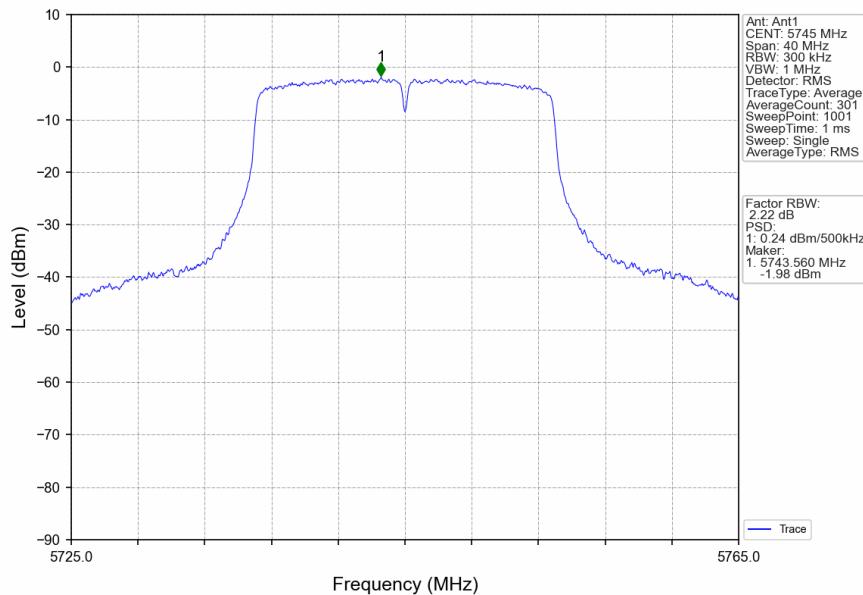
4.2.2 Test Graph



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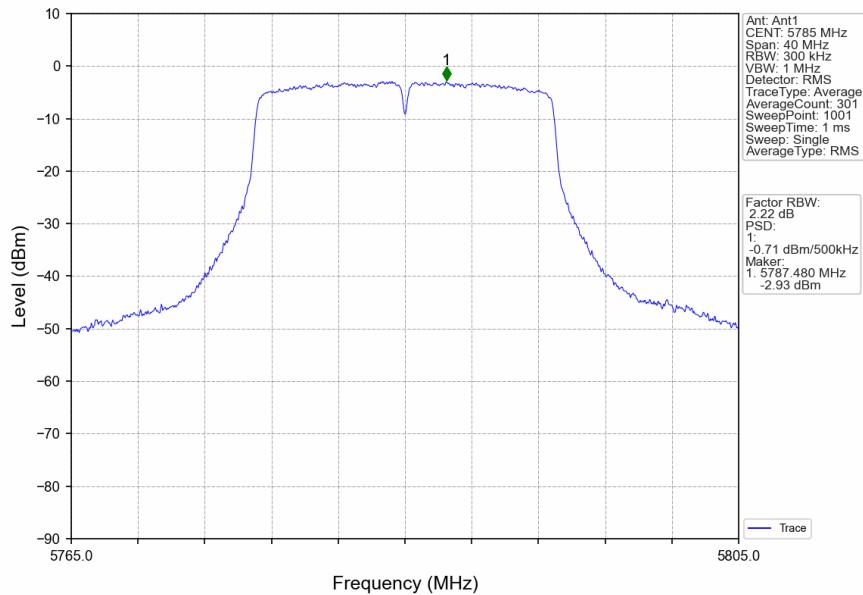
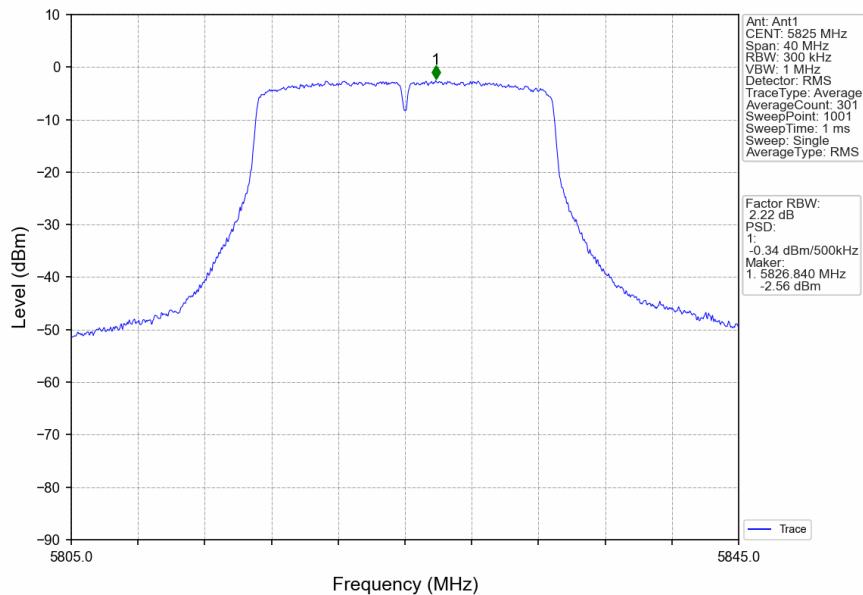


802.11a_HCH_5825MHz_Ant1_NTNV**802.11n(HT20)_LCH_5745MHz_Ant1_NTNV**

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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV**802.11n(HT20)_HCH_5825MHz_Ant1_NTNV**

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5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5179.960	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				138	5179.980	5150 to 5250	Pass
			-30	120	5179.980	5150 to 5250	Pass
			-20	120	5180.020	5150 to 5250	Pass
			-10	120	5179.980	5150 to 5250	Pass
			0	120	5179.980	5150 to 5250	Pass
			10	120	5179.980	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.000	5150 to 5250	Pass
			50	120	5180.000	5150 to 5250	Pass
		5200	20	102	5199.980	5150 to 5250	Pass
				120	5200.040	5150 to 5250	Pass
				138	5199.940	5150 to 5250	Pass
			-30	120	5199.980	5150 to 5250	Pass
			-20	120	5199.980	5150 to 5250	Pass
			-10	120	5199.980	5150 to 5250	Pass
			0	120	5200.000	5150 to 5250	Pass
			10	120	5200.000	5150 to 5250	Pass
			30	120	5200.000	5150 to 5250	Pass
			40	120	5199.980	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
		5240	20	102	5239.980	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				138	5239.980	5150 to 5250	Pass
			-30	120	5240.000	5150 to 5250	Pass
			-20	120	5239.980	5150 to 5250	Pass
			-10	120	5239.980	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
			10	120	5239.980	5150 to 5250	Pass
			30	120	5239.980	5150 to 5250	Pass

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		5260	40	120	5240.000	5150 to 5250	Pass
			50	120	5239.980	5150 to 5250	Pass
			20	102	5259.980	5250 to 5350	Pass
				120	5260.020	5250 to 5350	Pass
				138	5260.000	5250 to 5350	Pass
			-30	120	5259.980	5250 to 5350	Pass
			-20	120	5259.980	5250 to 5350	Pass
			-10	120	5260.020	5250 to 5350	Pass
			0	120	5259.980	5250 to 5350	Pass
			10	120	5260.040	5250 to 5350	Pass
			30	120	5260.000	5250 to 5350	Pass
			40	120	5259.980	5250 to 5350	Pass
			50	120	5260.000	5250 to 5350	Pass
		5300	20	102	5299.980	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
				138	5300.000	5250 to 5350	Pass
			-30	120	5300.000	5250 to 5350	Pass
			-20	120	5300.020	5250 to 5350	Pass
			-10	120	5300.020	5250 to 5350	Pass
			0	120	5299.960	5250 to 5350	Pass
			10	120	5300.040	5250 to 5350	Pass
			30	120	5299.980	5250 to 5350	Pass
			40	120	5299.980	5250 to 5350	Pass
			50	120	5300.000	5250 to 5350	Pass
		5320	20	102	5320.000	5250 to 5350	Pass
				120	5319.960	5250 to 5350	Pass
				138	5319.980	5250 to 5350	Pass
			-30	120	5320.000	5250 to 5350	Pass
			-20	120	5320.000	5250 to 5350	Pass
			-10	120	5320.000	5250 to 5350	Pass
			0	120	5320.020	5250 to 5350	Pass
			10	120	5320.000	5250 to 5350	Pass
			30	120	5320.000	5250 to 5350	Pass
			40	120	5319.980	5250 to 5350	Pass
			50	120	5320.020	5250 to 5350	Pass
		5500	20	102	5499.980	5470 to 5725	Pass
				120	5499.980	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass
			-30	120	5500.000	5470 to 5725	Pass
			-20	120	5499.980	5470 to 5725	Pass
			-10	120	5499.960	5470 to 5725	Pass

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	5580	0	120	5500.000	5470 to 5725	Pass
		10	120	5499.960	5470 to 5725	Pass
		30	120	5500.020	5470 to 5725	Pass
		40	120	5499.980	5470 to 5725	Pass
		50	120	5499.980	5470 to 5725	Pass
		20	102	5580.020	5470 to 5725	Pass
			120	5579.980	5470 to 5725	Pass
			138	5580.020	5470 to 5725	Pass
			-30	5579.980	5470 to 5725	Pass
			-20	5580.000	5470 to 5725	Pass
		-10	120	5580.000	5470 to 5725	Pass
		0	120	5580.020	5470 to 5725	Pass
		10	120	5579.980	5470 to 5725	Pass
		30	120	5580.040	5470 to 5725	Pass
		40	120	5580.040	5470 to 5725	Pass
		50	120	5579.980	5470 to 5725	Pass
	5700	20	102	5699.980	5470 to 5725	Pass
			120	5700.000	5470 to 5725	Pass
			138	5699.980	5470 to 5725	Pass
		-30	120	5700.040	5470 to 5725	Pass
		-20	120	5700.000	5470 to 5725	Pass
		-10	120	5699.980	5470 to 5725	Pass
		0	120	5699.980	5470 to 5725	Pass
		10	120	5699.940	5470 to 5725	Pass
		30	120	5700.000	5470 to 5725	Pass
		40	120	5700.000	5470 to 5725	Pass
		50	120	5699.980	5470 to 5725	Pass
		20	102	5745.040	5725 to 5850	Pass
			120	5745.000	5725 to 5850	Pass
			138	5744.980	5725 to 5850	Pass
			-30	5745.000	5725 to 5850	Pass
			-20	5744.960	5725 to 5850	Pass
	5745	-10	120	5745.000	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	5745.000	5725 to 5850	Pass
		50	120	5745.020	5725 to 5850	Pass
		20	102	5785.000	5725 to 5850	Pass
			120	5785.000	5725 to 5850	Pass
			138	5785.000	5725 to 5850	Pass

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	5825		-30	120	5785.000	5725 to 5850	Pass
			-20	120	5785.000	5725 to 5850	Pass
			-10	120	5785.020	5725 to 5850	Pass
			0	120	5784.980	5725 to 5850	Pass
			10	120	5785.020	5725 to 5850	Pass
			30	120	5785.000	5725 to 5850	Pass
			40	120	5785.000	5725 to 5850	Pass
			50	120	5785.000	5725 to 5850	Pass
		5825	20	102	5825.000	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5825.000	5725 to 5850	Pass
			-20	120	5824.960	5725 to 5850	Pass
			-10	120	5825.000	5725 to 5850	Pass
			0	120	5825.000	5725 to 5850	Pass
			10	120	5825.000	5725 to 5850	Pass
802.11n (HT20)	SISO	5180	20	102	5179.960	5150 to 5250	Pass
				120	5180.020	5150 to 5250	Pass
				138	5180.020	5150 to 5250	Pass
			-30	120	5180.000	5150 to 5250	Pass
			-20	120	5180.000	5150 to 5250	Pass
			-10	120	5180.000	5150 to 5250	Pass
			0	120	5179.940	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
		5200	50	120	5179.980	5150 to 5250	Pass
			20	102	5200.000	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				138	5199.940	5150 to 5250	Pass
			-30	120	5199.980	5150 to 5250	Pass
			-20	120	5199.980	5150 to 5250	Pass
			-10	120	5199.940	5150 to 5250	Pass
			0	120	5199.960	5150 to 5250	Pass
			10	120	5199.980	5150 to 5250	Pass
			30	120	5199.940	5150 to 5250	Pass
			40	120	5199.920	5150 to 5250	Pass
			50	120	5199.980	5150 to 5250	Pass

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		5240	20	102	5240.000	5150 to 5250	Pass
				120	5239.980	5150 to 5250	Pass
				138	5240.020	5150 to 5250	Pass
			-30	120	5239.980	5150 to 5250	Pass
				120	5239.940	5150 to 5250	Pass
				120	5239.920	5150 to 5250	Pass
				120	5239.940	5150 to 5250	Pass
				120	5240.000	5150 to 5250	Pass
				120	5239.940	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
				120	5239.920	5150 to 5250	Pass
		5260	20	102	5259.980	5250 to 5350	Pass
				120	5260.000	5250 to 5350	Pass
				138	5260.000	5250 to 5350	Pass
			-30	120	5259.980	5250 to 5350	Pass
				120	5260.040	5250 to 5350	Pass
				120	5260.000	5250 to 5350	Pass
				120	5259.960	5250 to 5350	Pass
				120	5260.000	5250 to 5350	Pass
				120	5259.940	5250 to 5350	Pass
				120	5259.980	5250 to 5350	Pass
				120	5260.040	5250 to 5350	Pass
		5300	20	102	5300.020	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
				138	5300.000	5250 to 5350	Pass
			-30	120	5299.980	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
				120	5299.960	5250 to 5350	Pass
				120	5300.020	5250 to 5350	Pass
				120	5299.940	5250 to 5350	Pass
				120	5299.980	5250 to 5350	Pass
				120	5300.000	5250 to 5350	Pass
		5320	20	102	5319.940	5250 to 5350	Pass
				120	5319.940	5250 to 5350	Pass
				138	5320.000	5250 to 5350	Pass
			-30	120	5319.980	5250 to 5350	Pass
				120	5319.940	5250 to 5350	Pass
				120	5319.980	5250 to 5350	Pass
				120	5319.940	5250 to 5350	Pass
				120	5319.940	5250 to 5350	Pass
				120	5320.020	5250 to 5350	Pass

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		5500	30	120	5320.000	5250 to 5350	Pass	
			40	120	5319.940	5250 to 5350	Pass	
			50	120	5320.020	5250 to 5350	Pass	
			20	102	5500.000	5470 to 5725	Pass	
				120	5500.000	5470 to 5725	Pass	
				138	5499.960	5470 to 5725	Pass	
				-30	5500.020	5470 to 5725	Pass	
				-20	5500.020	5470 to 5725	Pass	
				-10	5500.020	5470 to 5725	Pass	
			5580	0	5500.020	5470 to 5725	Pass	
				10	5499.980	5470 to 5725	Pass	
				30	5500.020	5470 to 5725	Pass	
				40	5499.980	5470 to 5725	Pass	
				50	5499.980	5470 to 5725	Pass	
				20	102	5579.960	5470 to 5725	Pass
					120	5579.960	5470 to 5725	Pass
					138	5579.980	5470 to 5725	Pass
					-30	5580.000	5470 to 5725	Pass
					-20	5579.960	5470 to 5725	Pass
			5700	-10	5580.020	5470 to 5725	Pass	
				0	5579.980	5470 to 5725	Pass	
				10	5580.000	5470 to 5725	Pass	
				30	5579.960	5470 to 5725	Pass	
				40	5580.000	5470 to 5725	Pass	
				50	5579.980	5470 to 5725	Pass	
				20	102	5700.000	5470 to 5725	Pass
					120	5700.000	5470 to 5725	Pass
					138	5699.960	5470 to 5725	Pass
					-30	5700.020	5470 to 5725	Pass
					-20	5700.000	5470 to 5725	Pass
			5745	-10	5700.020	5470 to 5725	Pass	
				0	5699.960	5470 to 5725	Pass	
				10	5700.000	5470 to 5725	Pass	
				30	5699.960	5470 to 5725	Pass	
				40	5700.000	5470 to 5725	Pass	
				50	5700.040	5470 to 5725	Pass	
				20	102	5745.020	5725 to 5850	Pass
					120	5744.960	5725 to 5850	Pass
					138	5745.000	5725 to 5850	Pass
					-30	5744.960	5725 to 5850	Pass
					-20	5744.940	5725 to 5850	Pass

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	5785	-10	120	5745.020	5725 to 5850	Pass
		0	120	5745.000	5725 to 5850	Pass
		10	120	5745.020	5725 to 5850	Pass
		30	120	5745.000	5725 to 5850	Pass
		40	120	5744.940	5725 to 5850	Pass
		50	120	5744.980	5725 to 5850	Pass
		20	102	5785.020	5725 to 5850	Pass
			120	5785.020	5725 to 5850	Pass
			138	5785.000	5725 to 5850	Pass
		-30	120	5784.980	5725 to 5850	Pass
		-20	120	5784.940	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	5784.960	5725 to 5850	Pass
		40	120	5784.980	5725 to 5850	Pass
		50	120	5785.000	5725 to 5850	Pass
	5825	20	102	5824.940	5725 to 5850	Pass
			120	5825.020	5725 to 5850	Pass
			138	5824.980	5725 to 5850	Pass
		-30	120	5824.980	5725 to 5850	Pass
		-20	120	5825.000	5725 to 5850	Pass
		-10	120	5825.000	5725 to 5850	Pass
		0	120	5824.980	5725 to 5850	Pass
		10	120	5824.980	5725 to 5850	Pass
		30	120	5825.020	5725 to 5850	Pass
		40	120	5824.960	5725 to 5850	Pass
		50	120	5825.000	5725 to 5850	Pass

- End of the Report -

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