

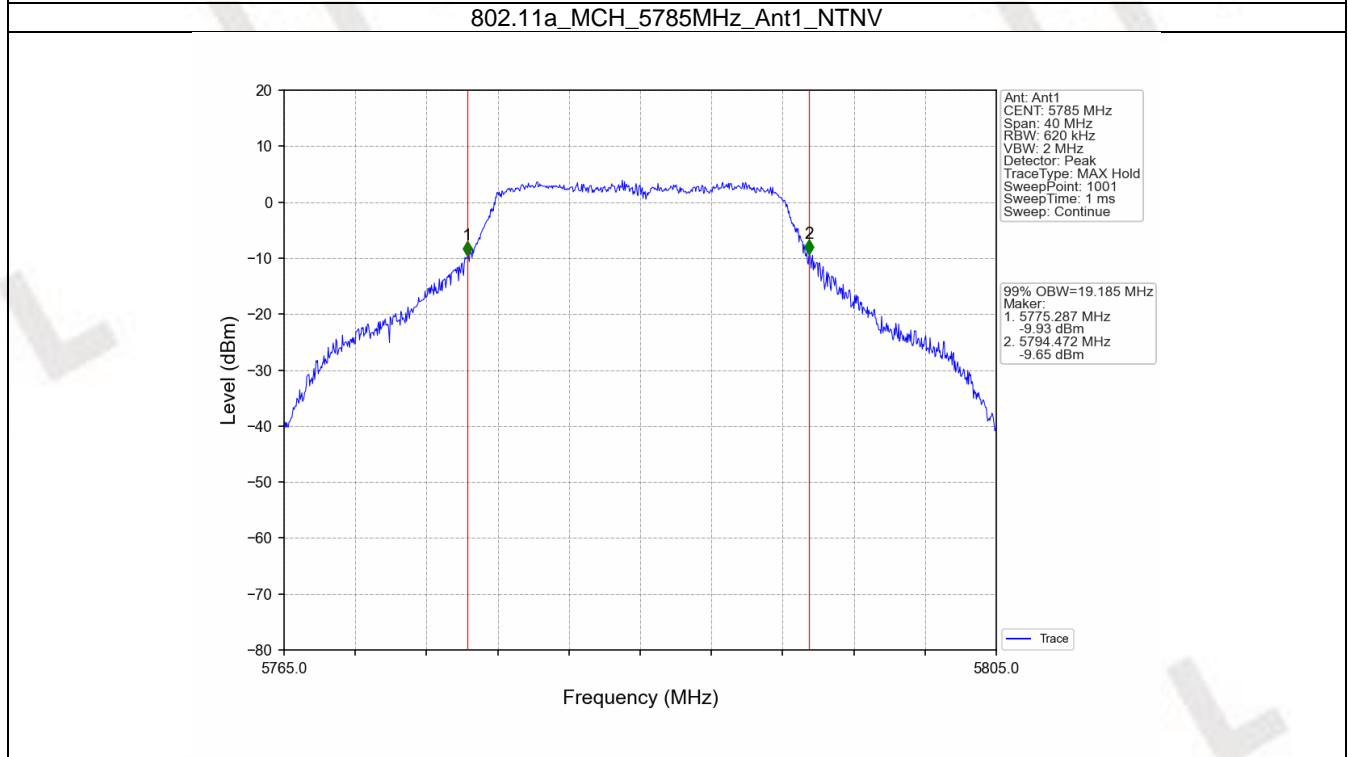
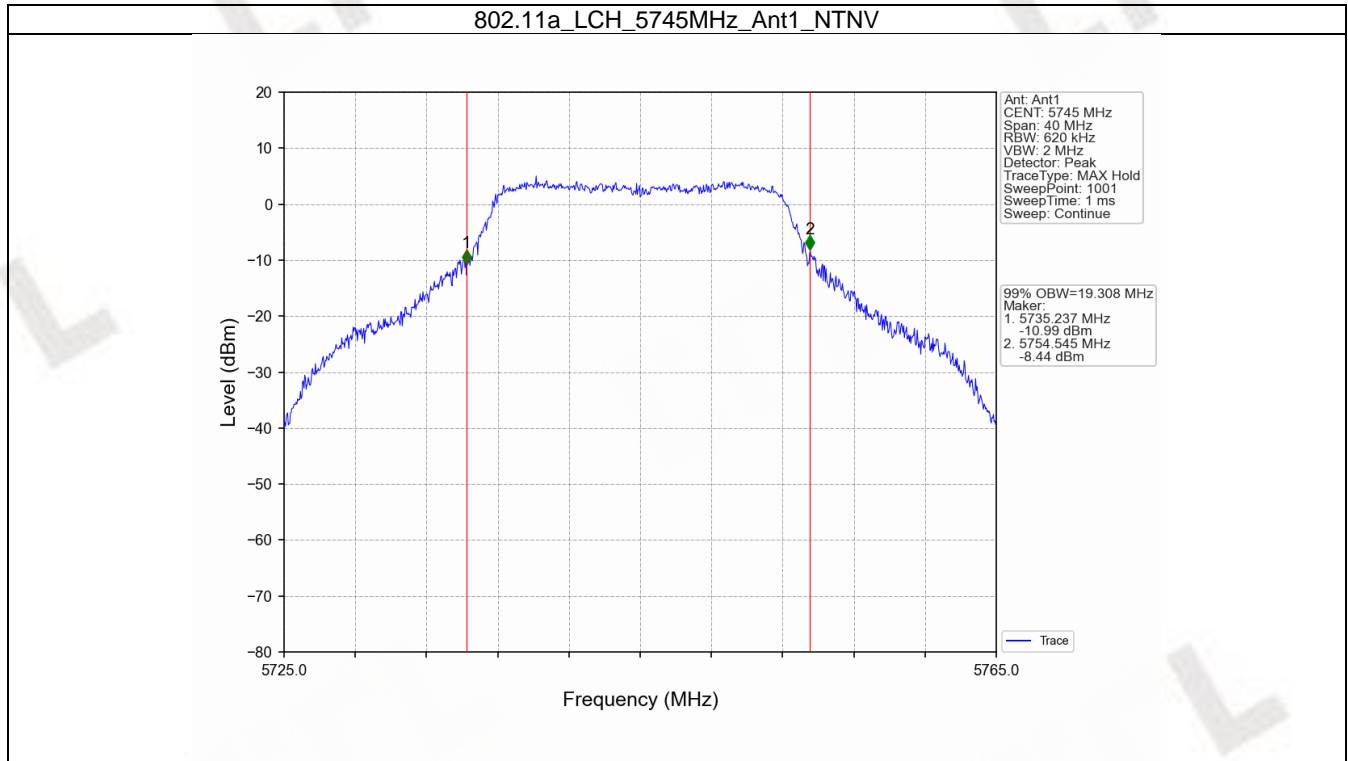
1. Bandwidth

1.1 OBW

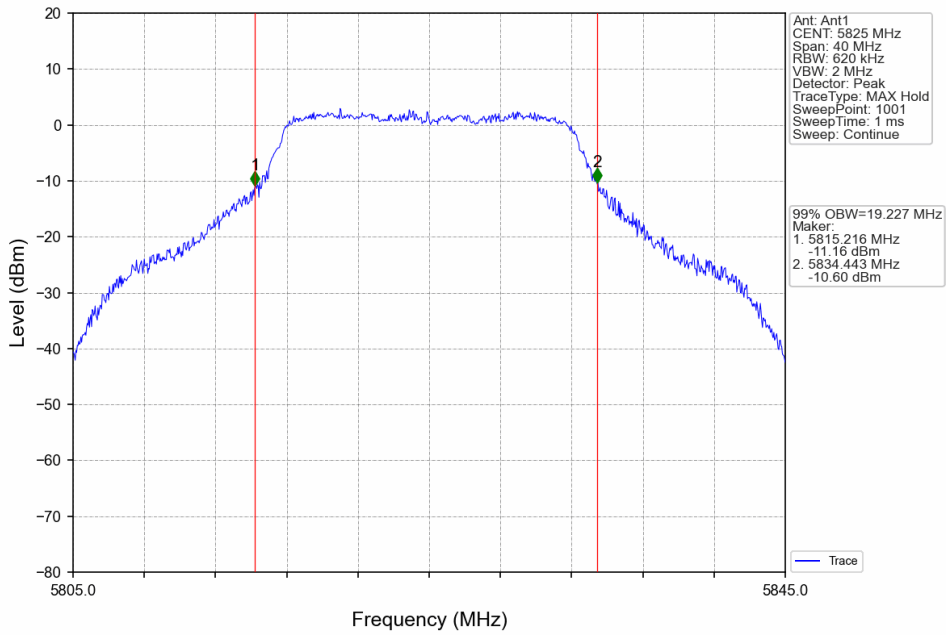
1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5745	1	19.308	Pass
		5785	1	19.185	Pass
		5825	1	19.227	Pass
802.11n (HT20)	SISO	5745	1	20.121	Pass
		5785	1	20.046	Pass
		5825	1	20.016	Pass
802.11n (HT40)	SISO	5755	1	38.488	Pass
		5795	1	38.392	Pass
802.11ac (VHT20)	SISO	5745	1	20.271	Pass
		5785	1	20.146	Pass
		5825	1	20.200	Pass
802.11ac (VHT40)	SISO	5755	1	38.015	Pass
		5795	1	37.940	Pass

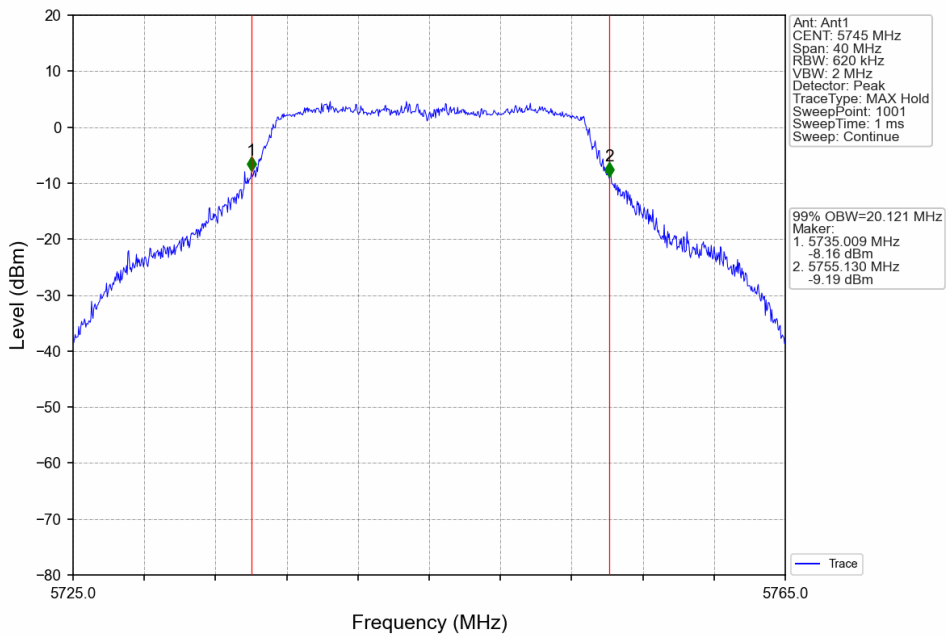
1.1.2 Test Graph



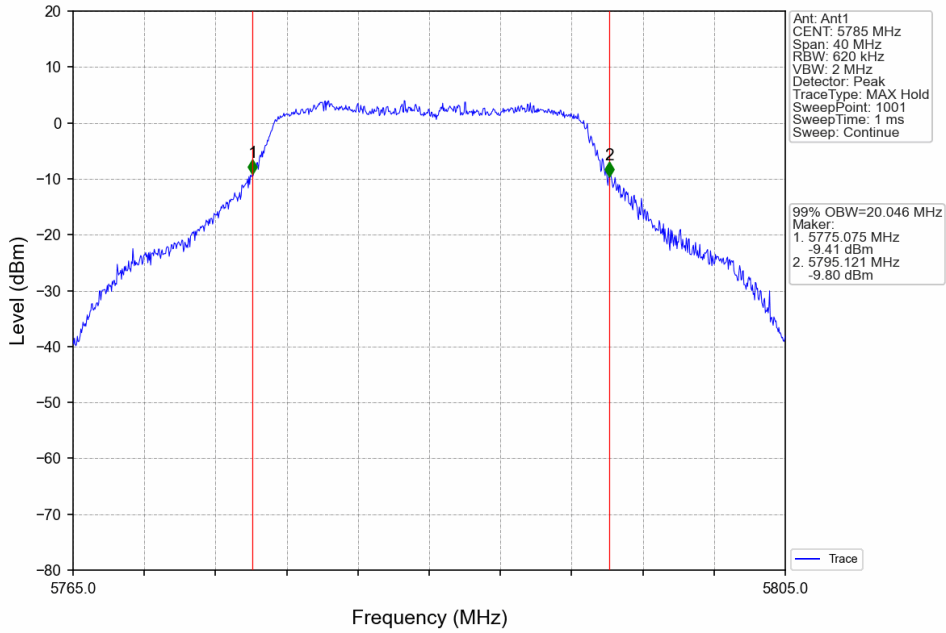
802.11a_HCH_5825MHz_Ant1_NTNV



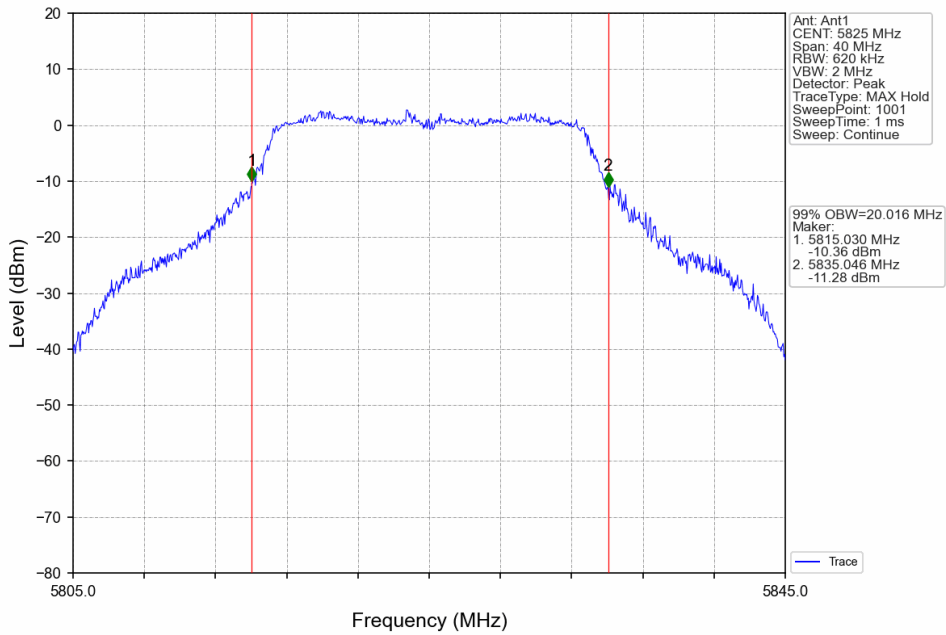
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



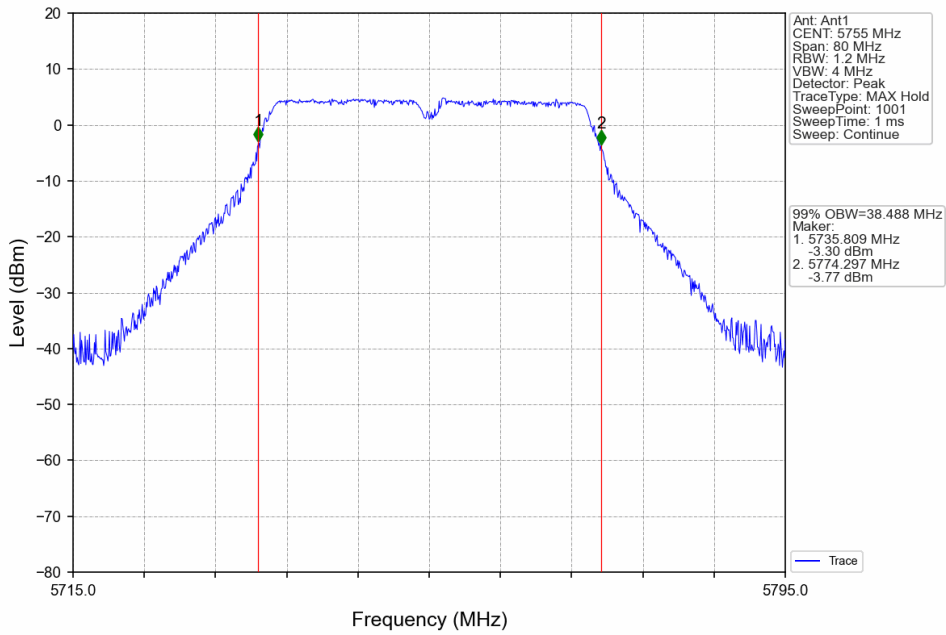
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



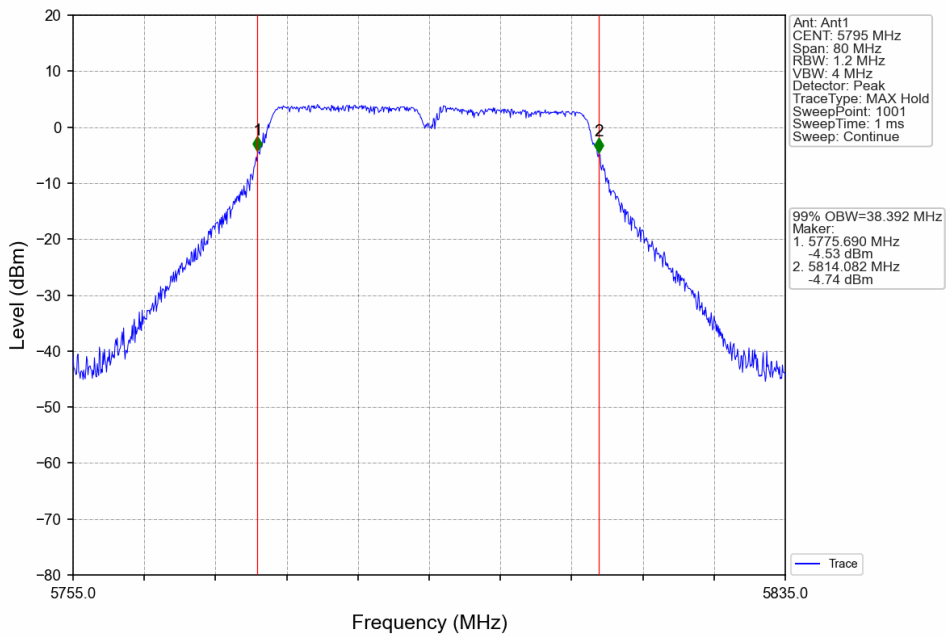
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



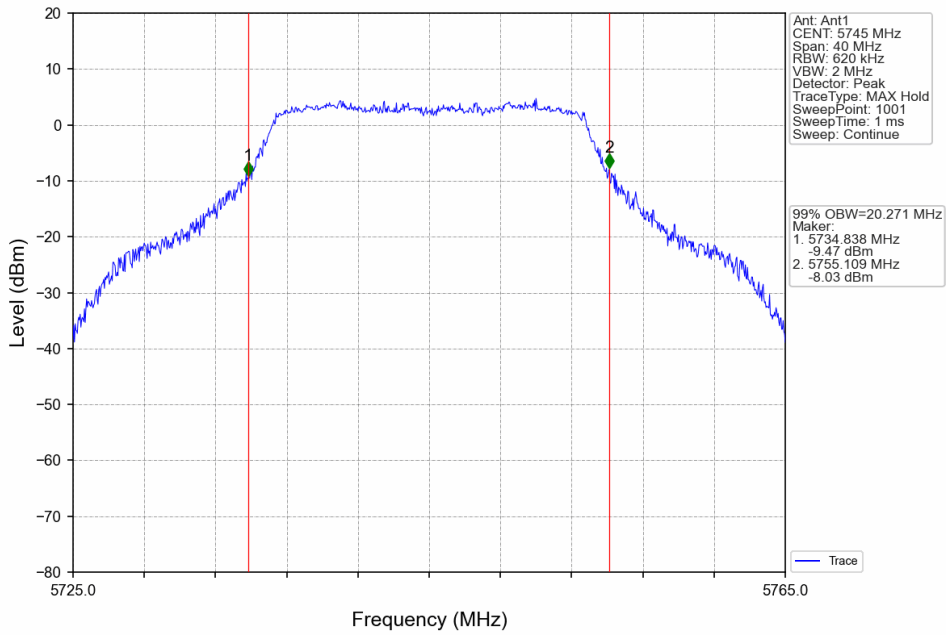
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



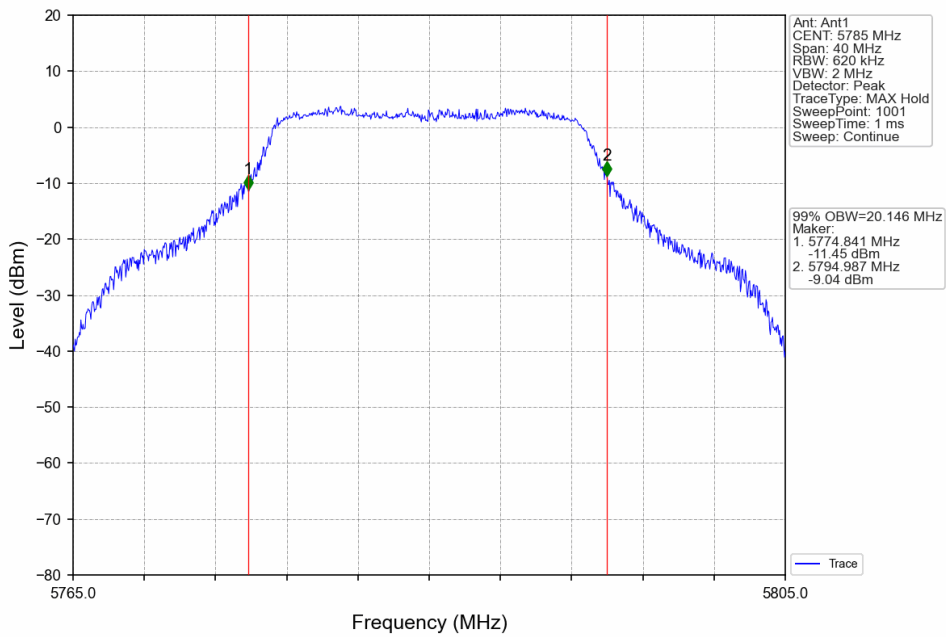
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



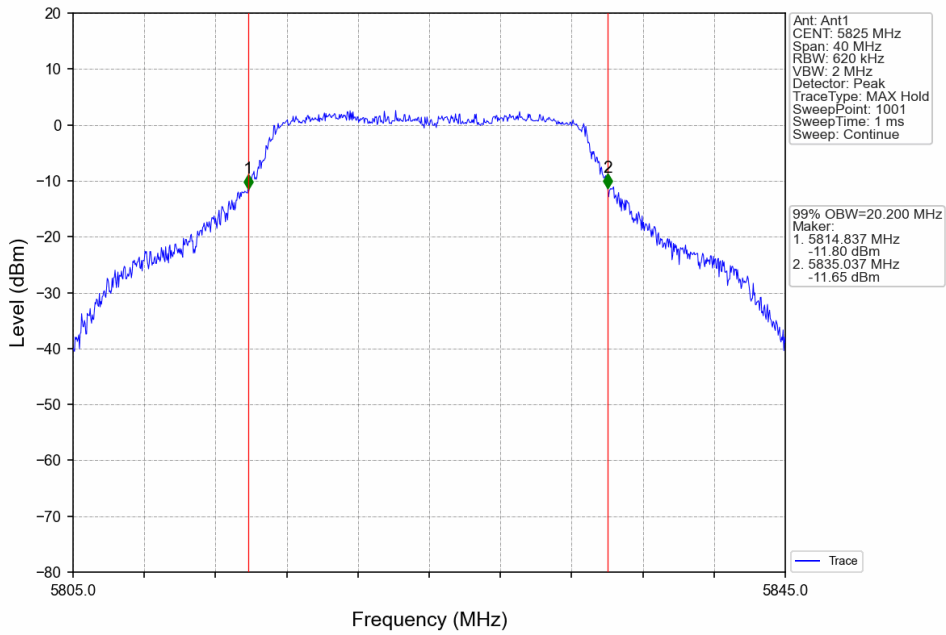
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



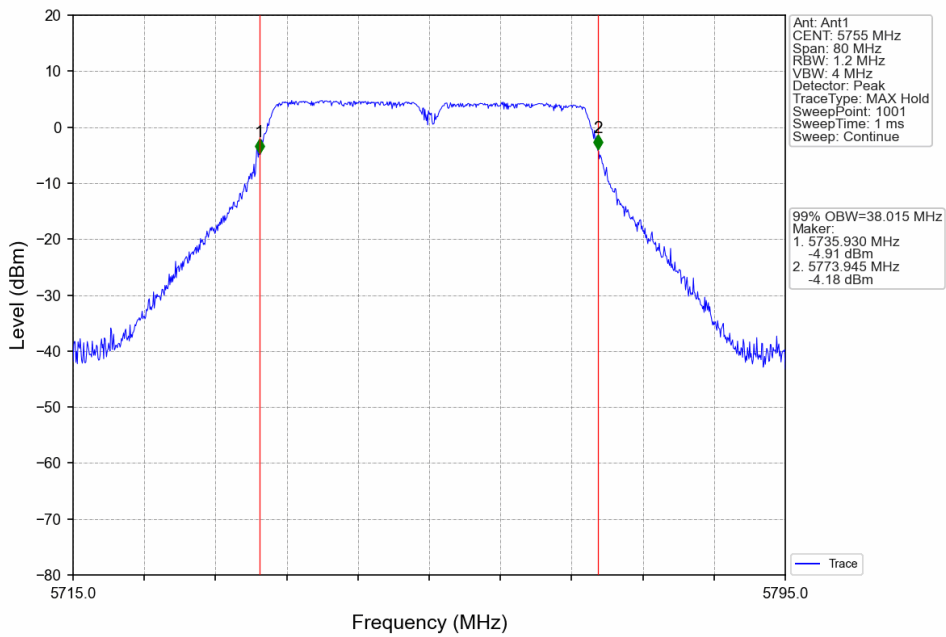
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

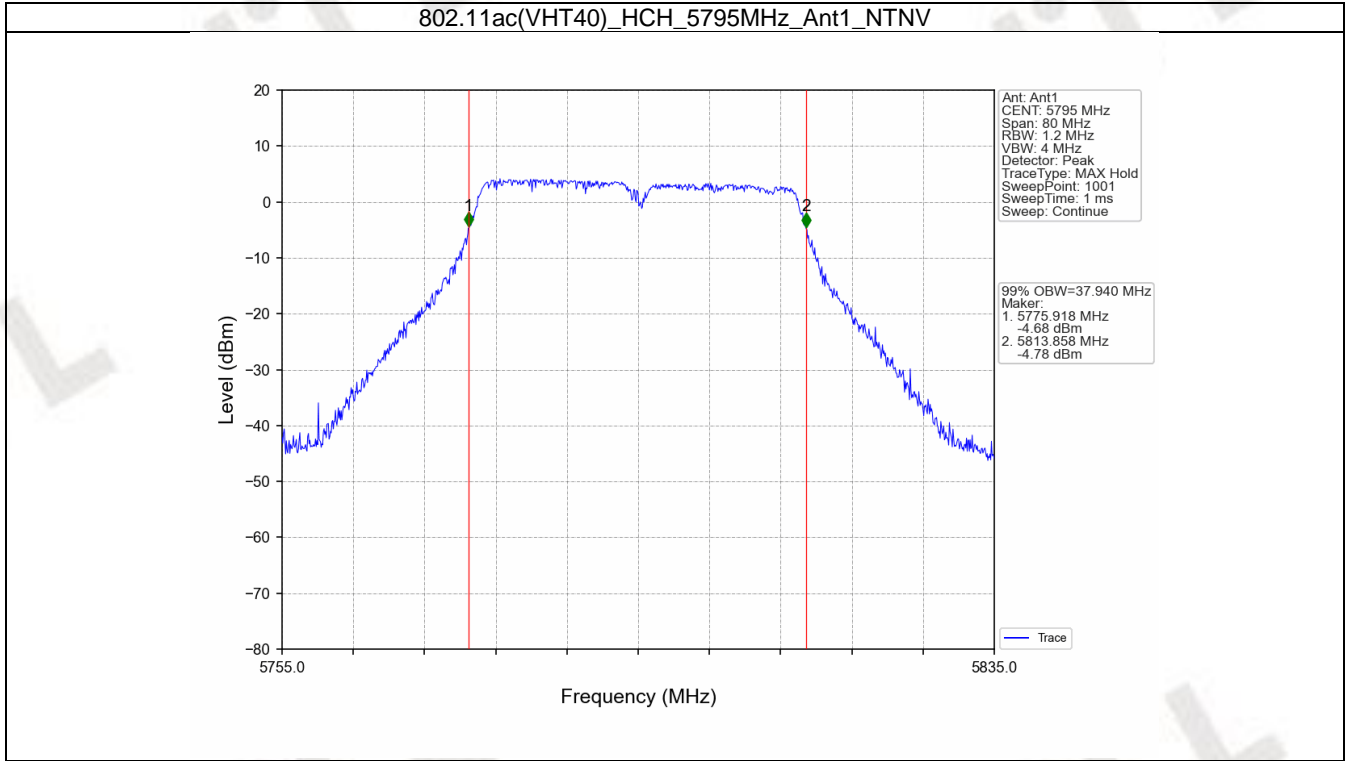


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



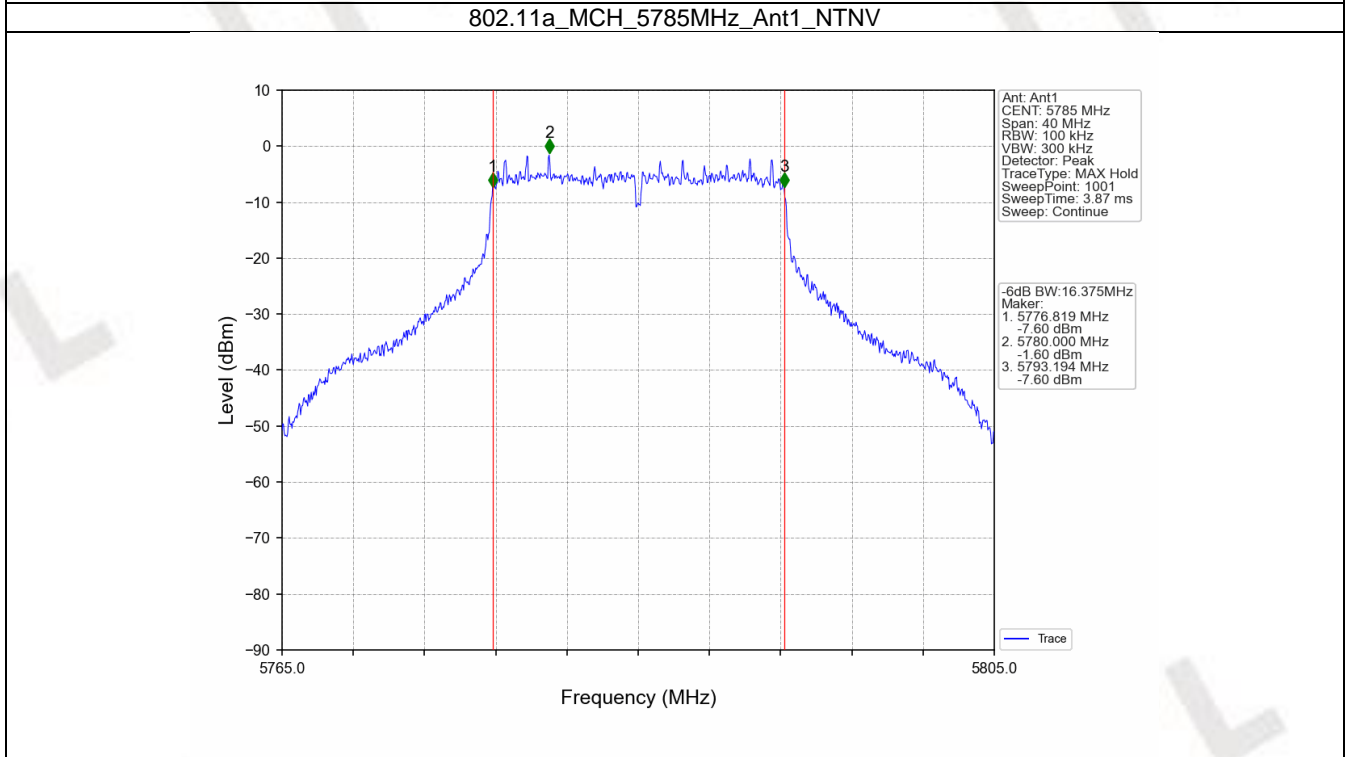
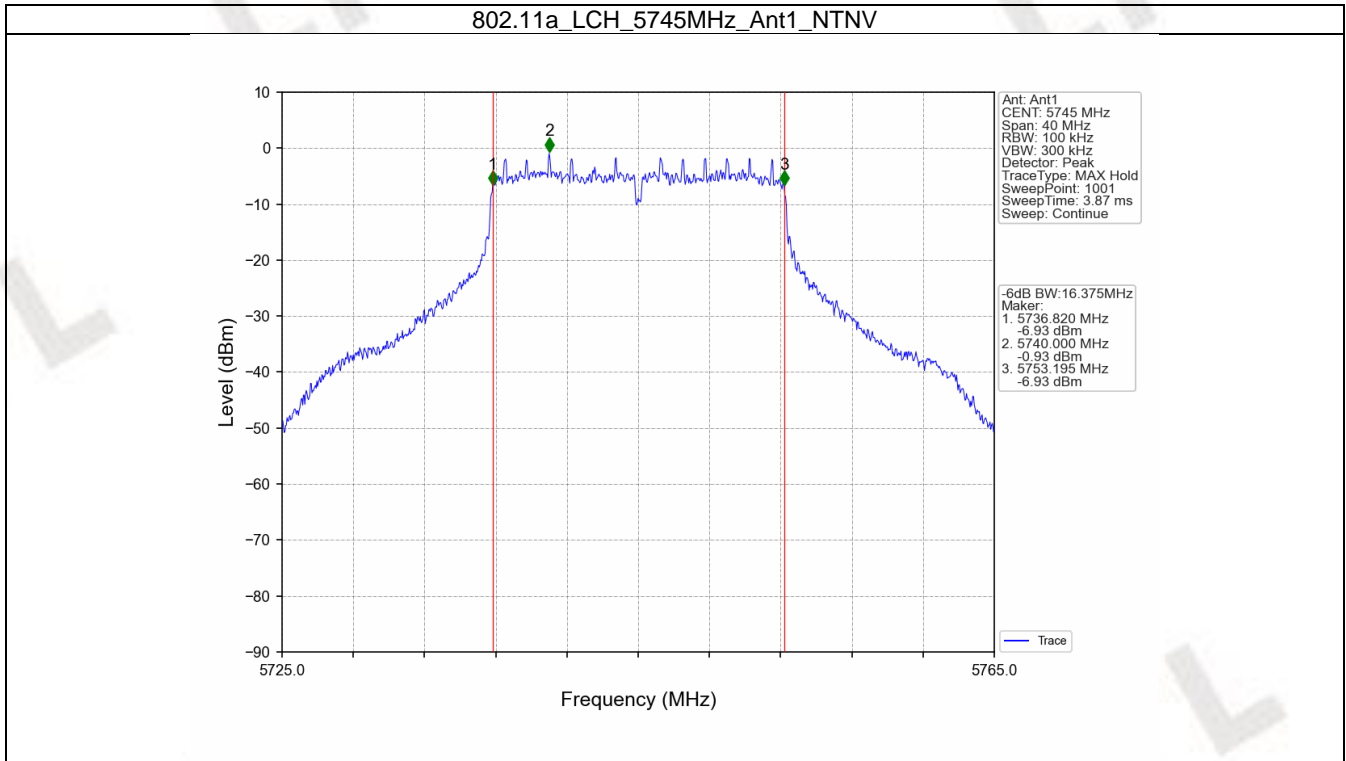


1.2 6dB BW

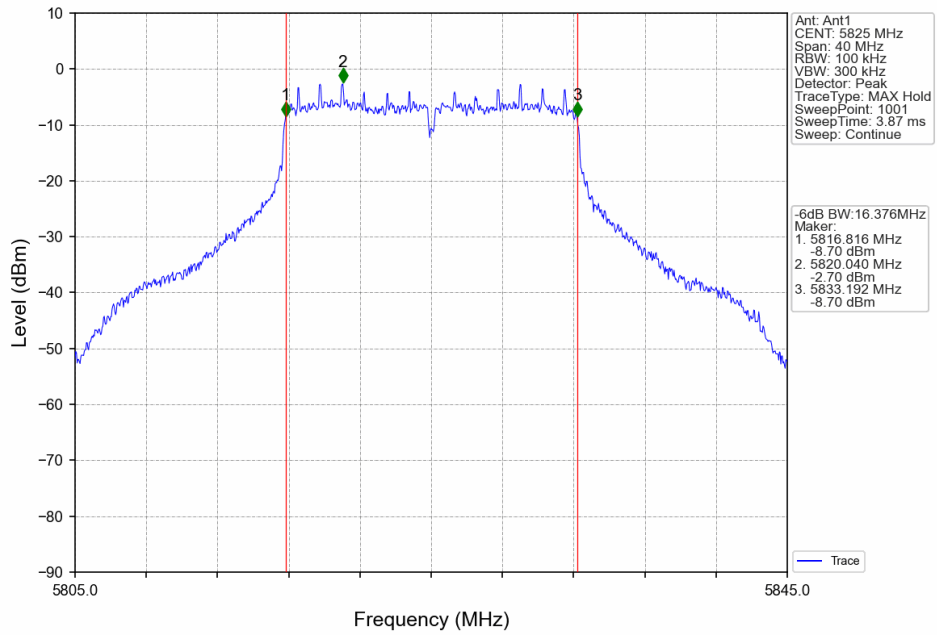
1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.375	>=0.5	Pass
		5785	1	16.375	>=0.5	Pass
		5825	1	16.376	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.612	>=0.5	Pass
		5785	1	17.611	>=0.5	Pass
		5825	1	17.608	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.349	>=0.5	Pass
		5795	1	36.101	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.604	>=0.5	Pass
		5785	1	17.604	>=0.5	Pass
		5825	1	17.607	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.374	>=0.5	Pass
		5795	1	36.340	>=0.5	Pass

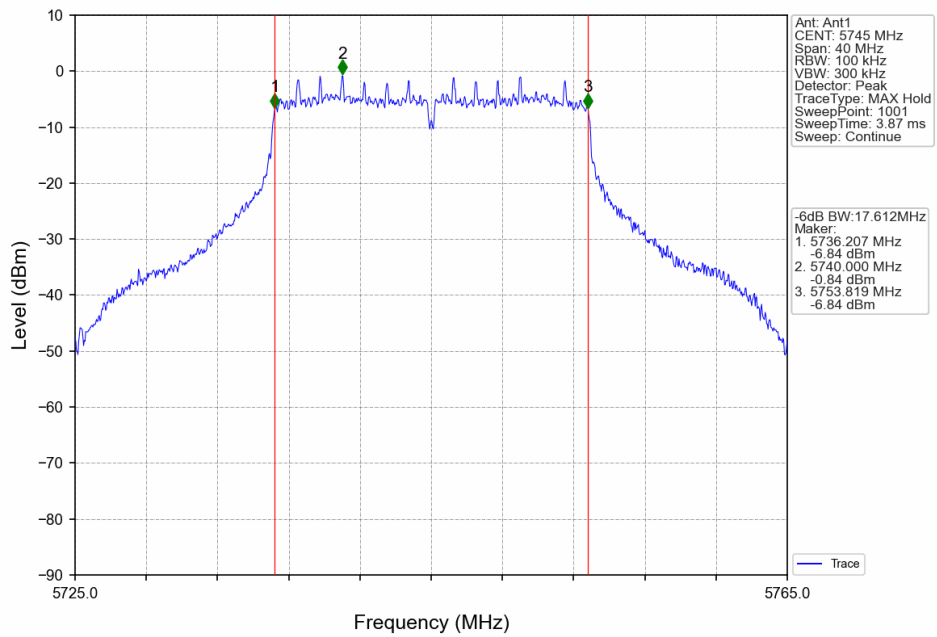
1.2.2 Test Graph



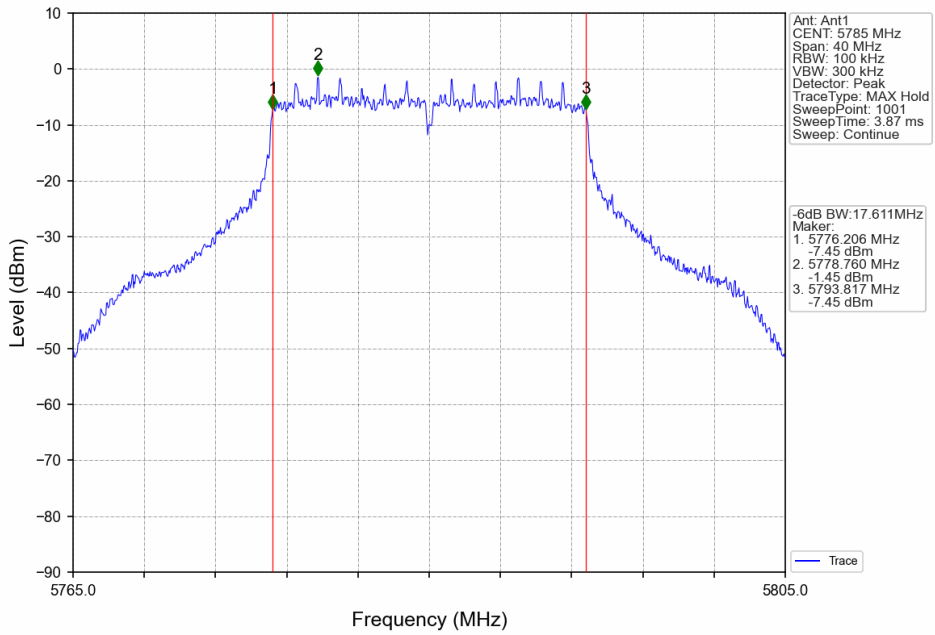
802.11a_HCH_5825MHz_Ant1_NTNV



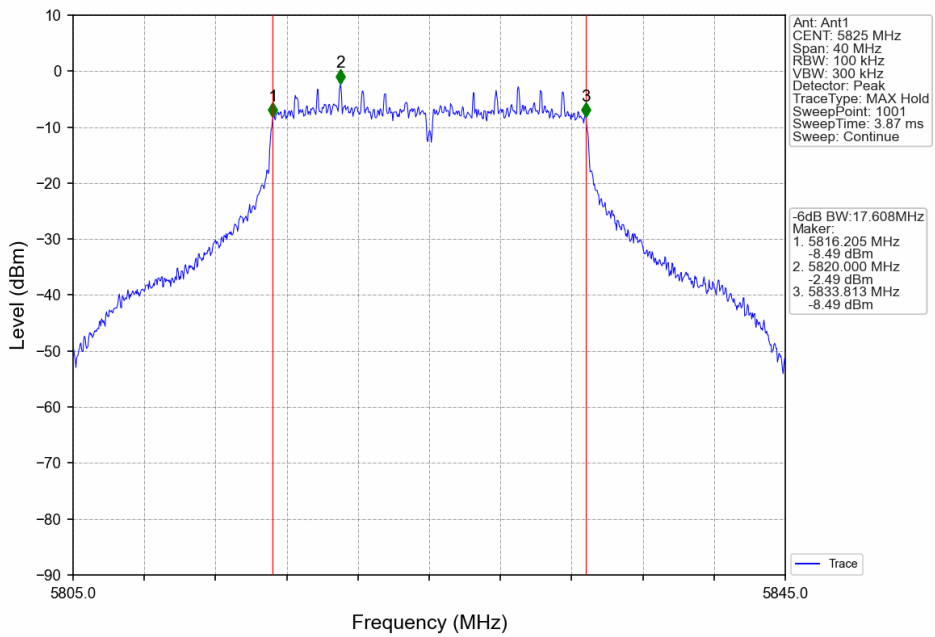
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



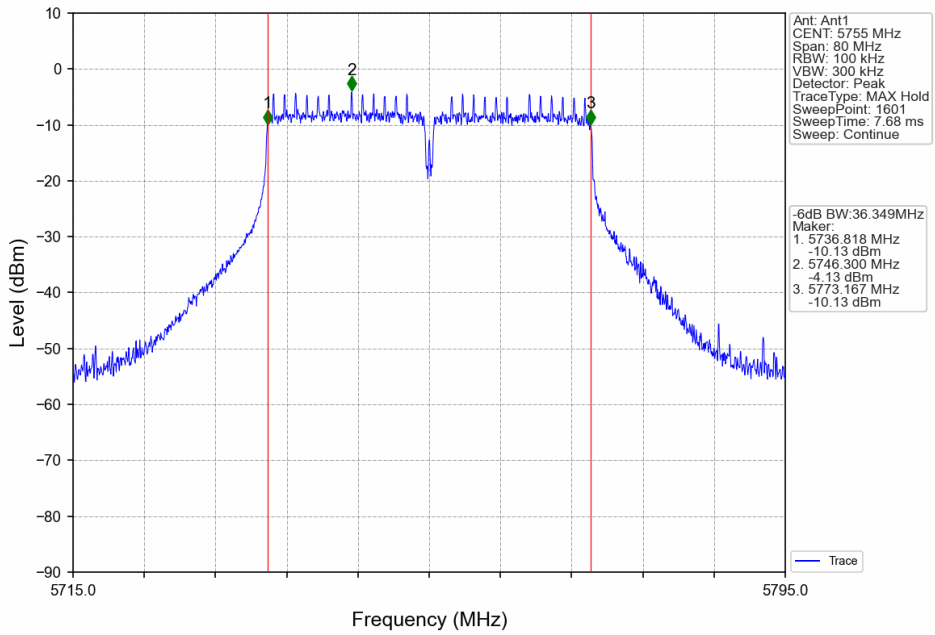
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



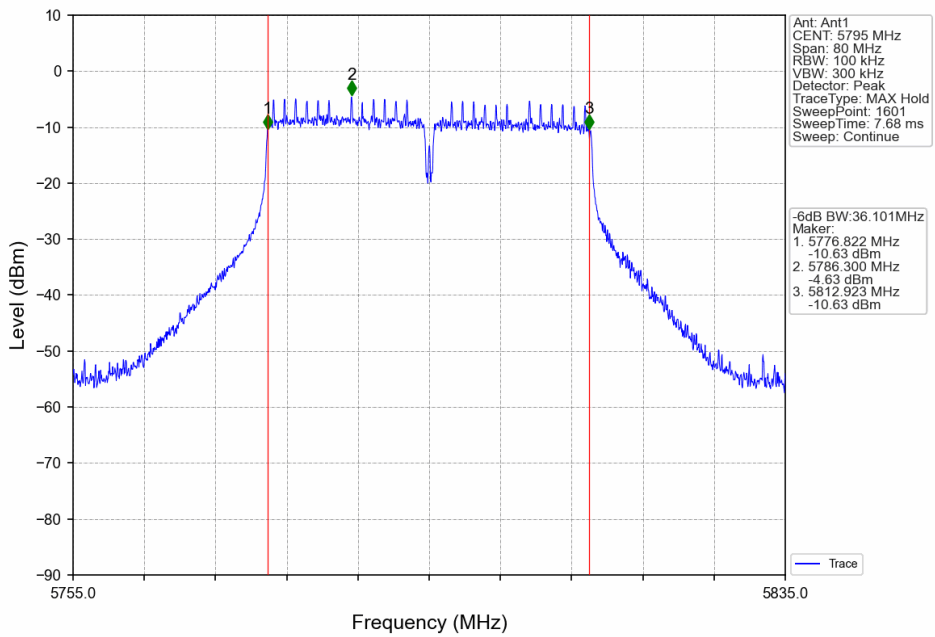
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



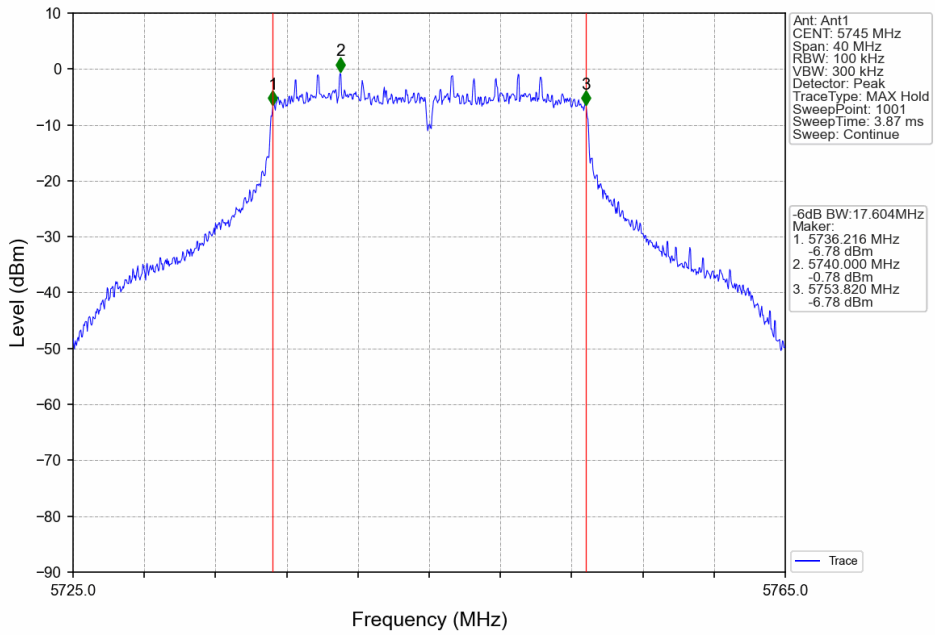
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



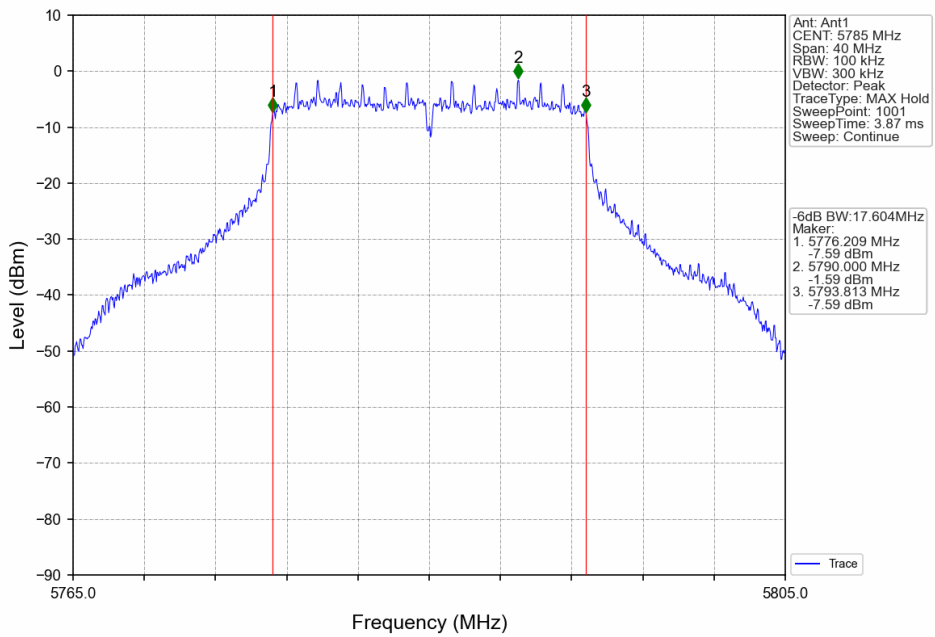
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



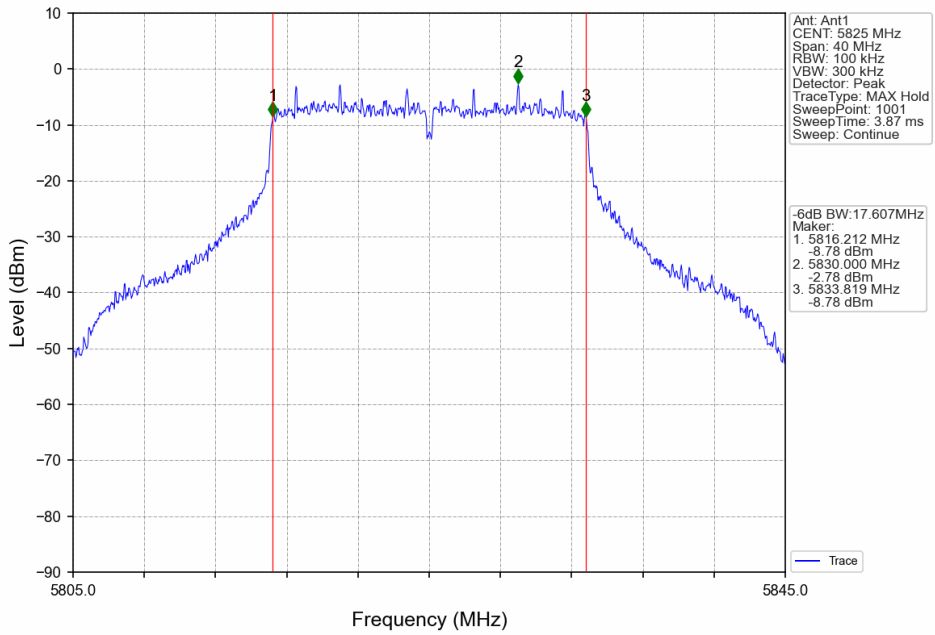
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



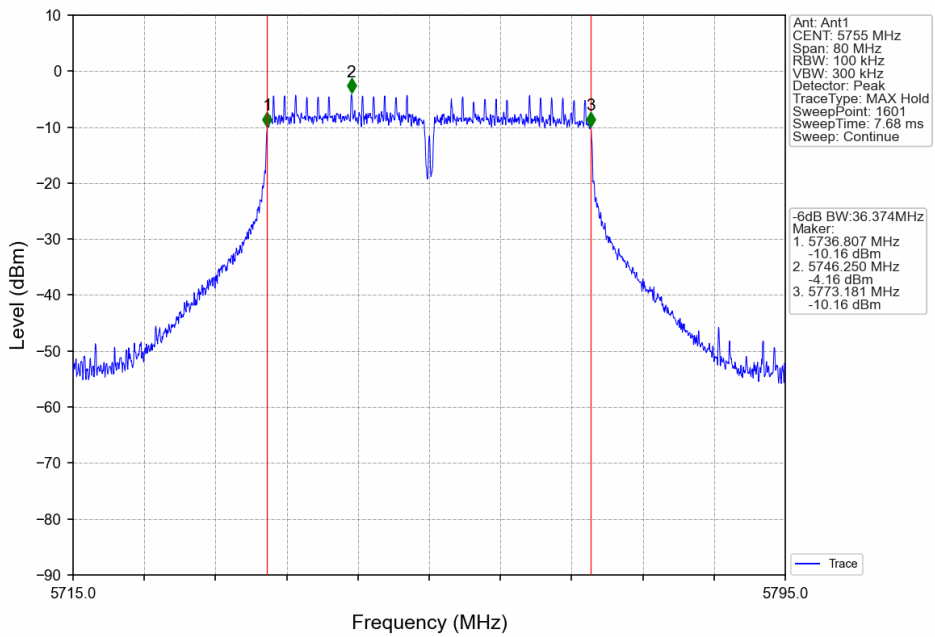
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

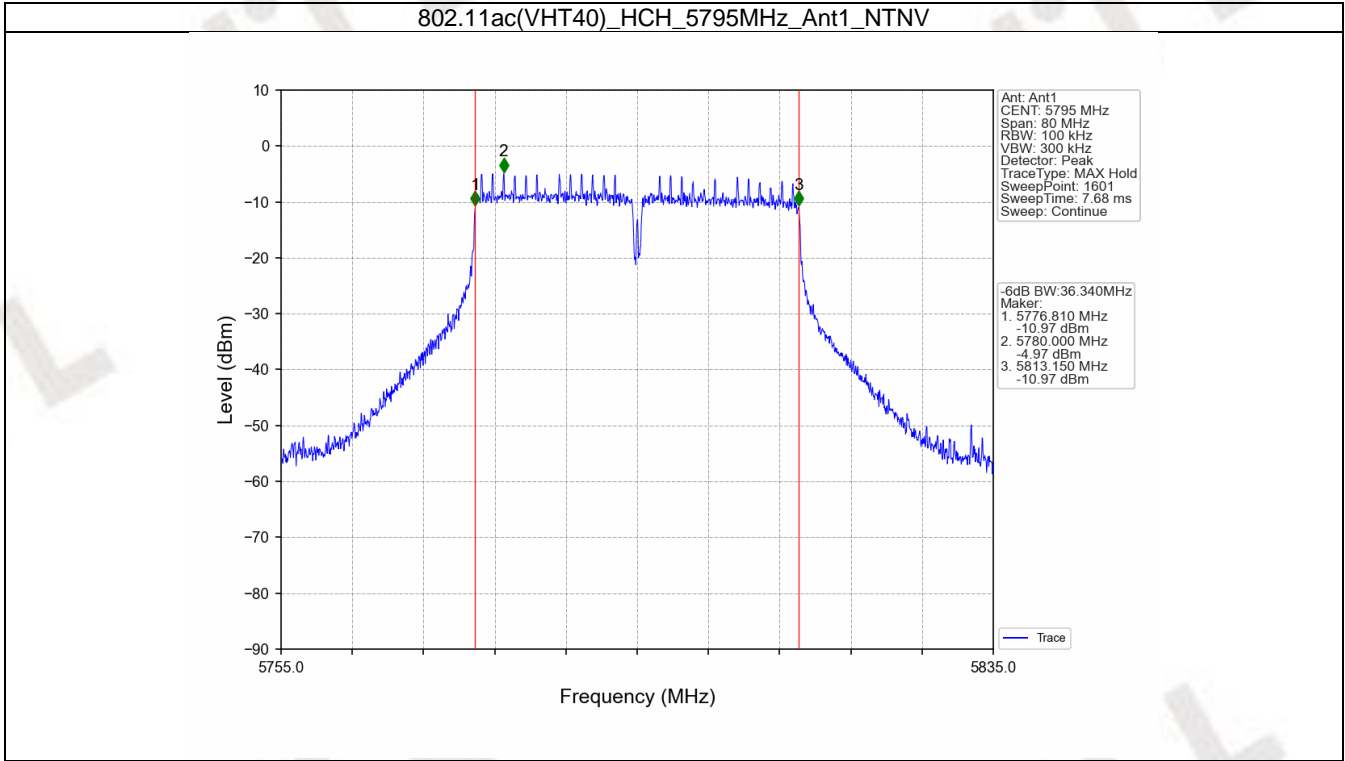


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV





2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	9.90	<=30	Pass
		5785	9.07	<=30	Pass
		5825	8.36	<=30	Pass
802.11n (HT20)	SISO	5745	10.01	<=30	Pass
		5785	9.06	<=30	Pass
		5825	8.37	<=30	Pass
802.11n (HT40)	SISO	5755	9.76	<=30	Pass
		5795	8.79	<=30	Pass
802.11ac (VHT20)	SISO	5745	10.02	<=30	Pass
		5785	9.10	<=30	Pass
		5825	8.42	<=30	Pass
802.11ac (VHT40)	SISO	5755	9.77	<=30	Pass
		5795	8.79	<=30	Pass

Note1: Antenna Gain: Ant1: 3.97dBi;

3. Maximum Power Spectral Density

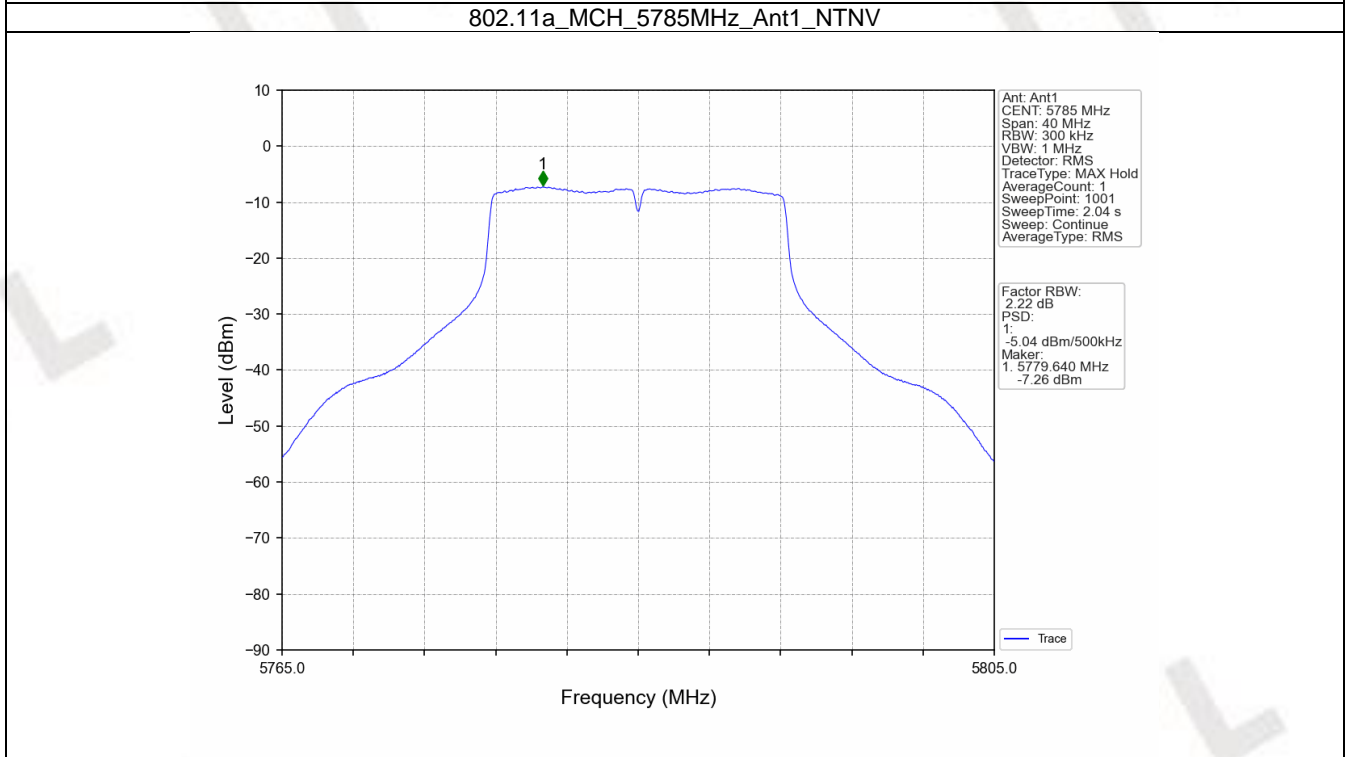
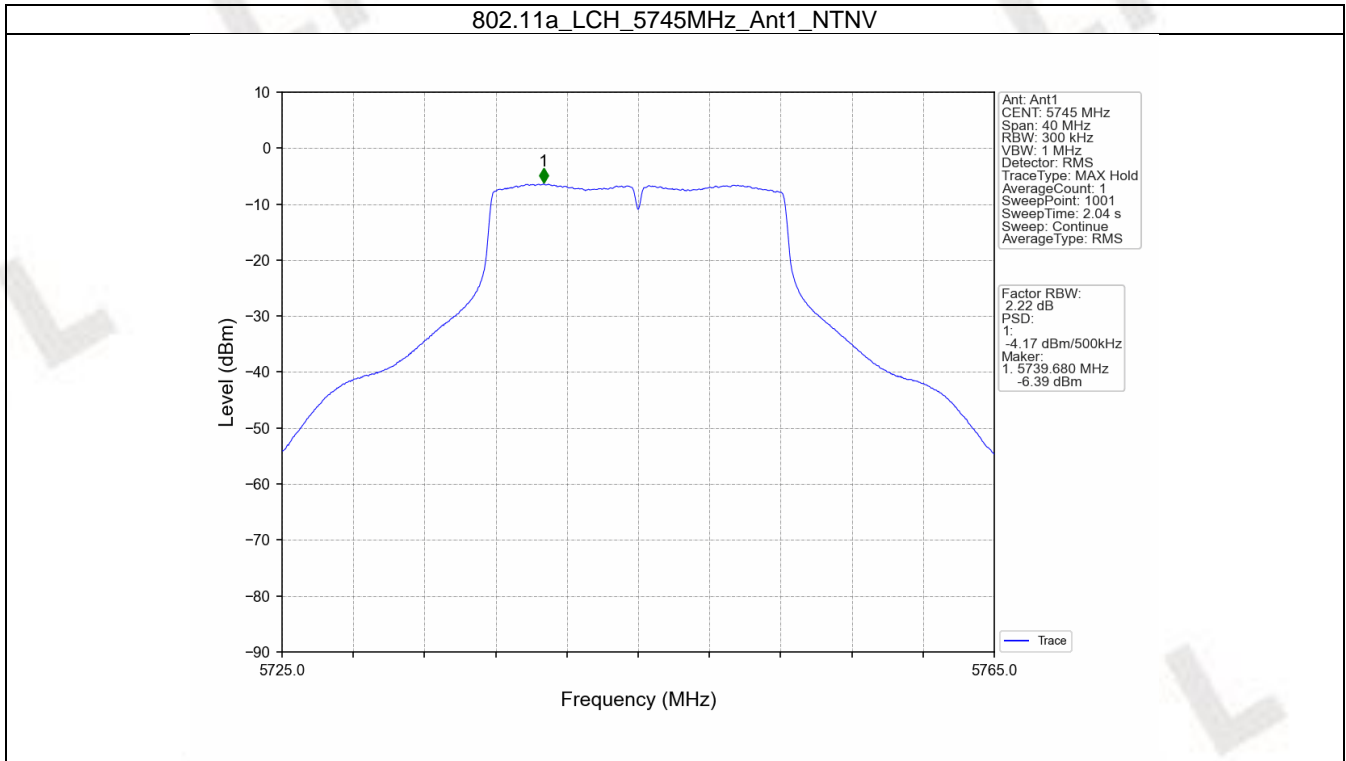
3.1 PSD-Band3

3.1.1 Test Result

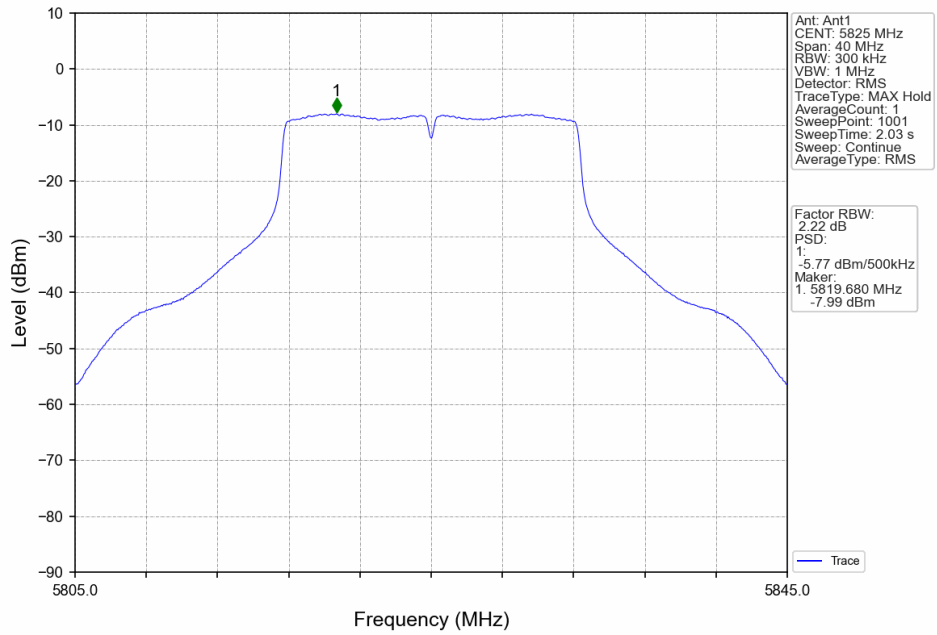
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-4.17	<=30	Pass
		5785	-5.04	<=30	Pass
		5825	-5.77	<=30	Pass
802.11n (HT20)	SISO	5745	-4.23	<=30	Pass
		5785	-5.19	<=30	Pass
		5825	-6.01	<=30	Pass
802.11n (HT40)	SISO	5755	-7.82	<=30	Pass
		5795	-8.70	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.30	<=30	Pass
		5785	-5.26	<=30	Pass
		5825	-6.00	<=30	Pass
802.11ac (VHT40)	SISO	5755	-7.74	<=30	Pass
		5795	-8.68	<=30	Pass

Note1: Antenna Gain: Ant1: 3.97dBi;

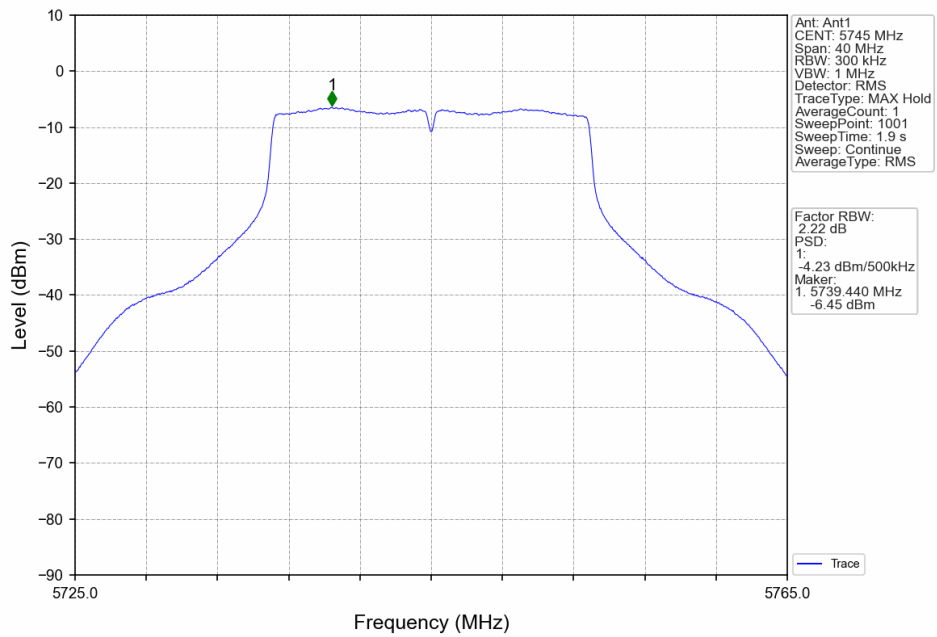
3.1.2 Test Graph



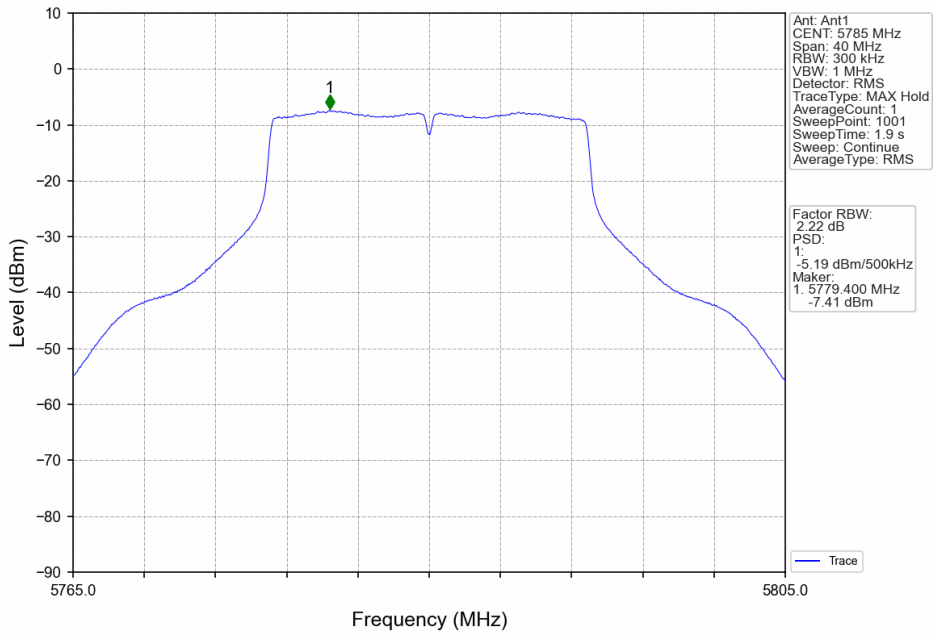
802.11a_HCH_5825MHz_Ant1_NTNV



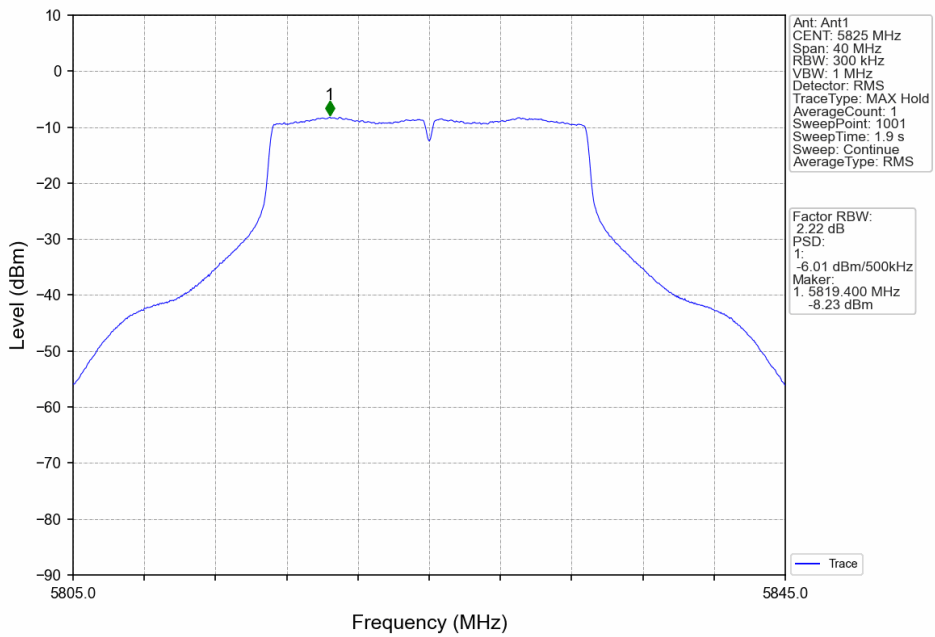
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



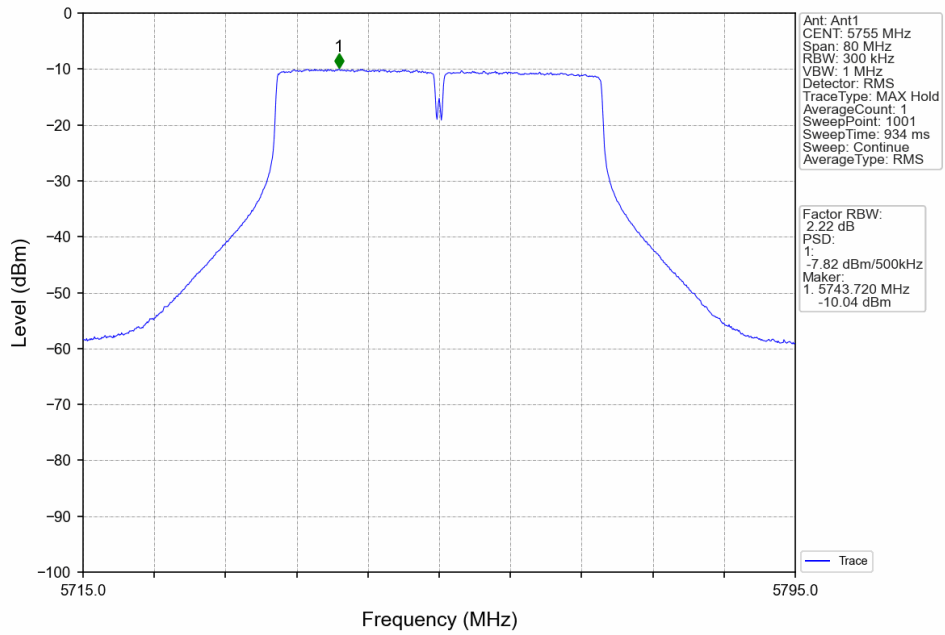
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



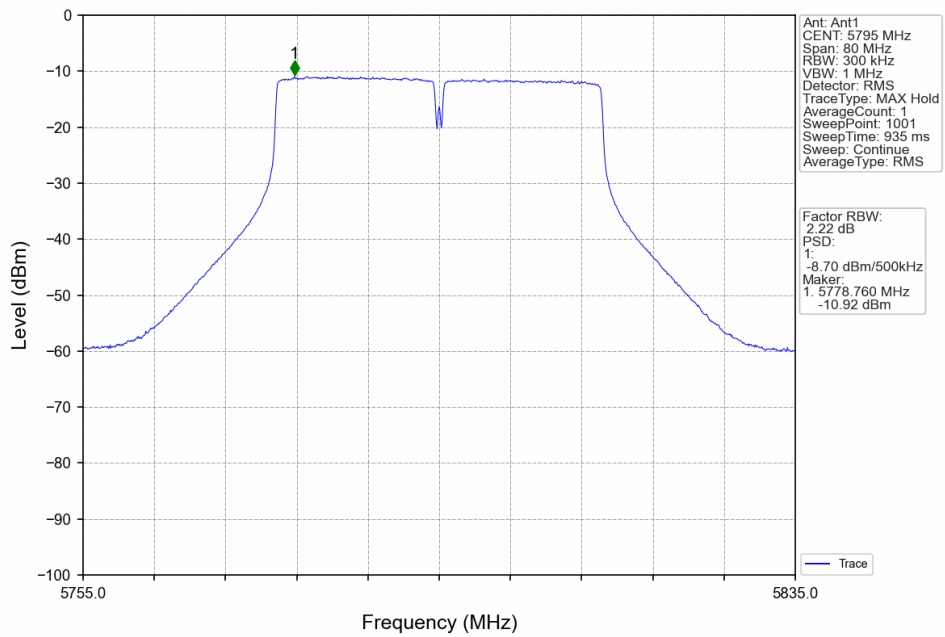
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



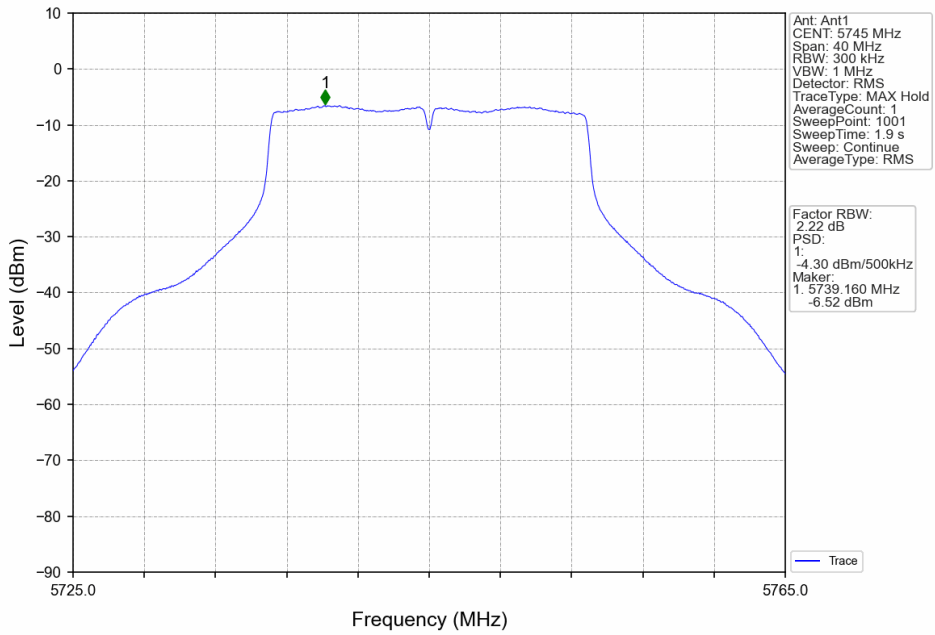
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



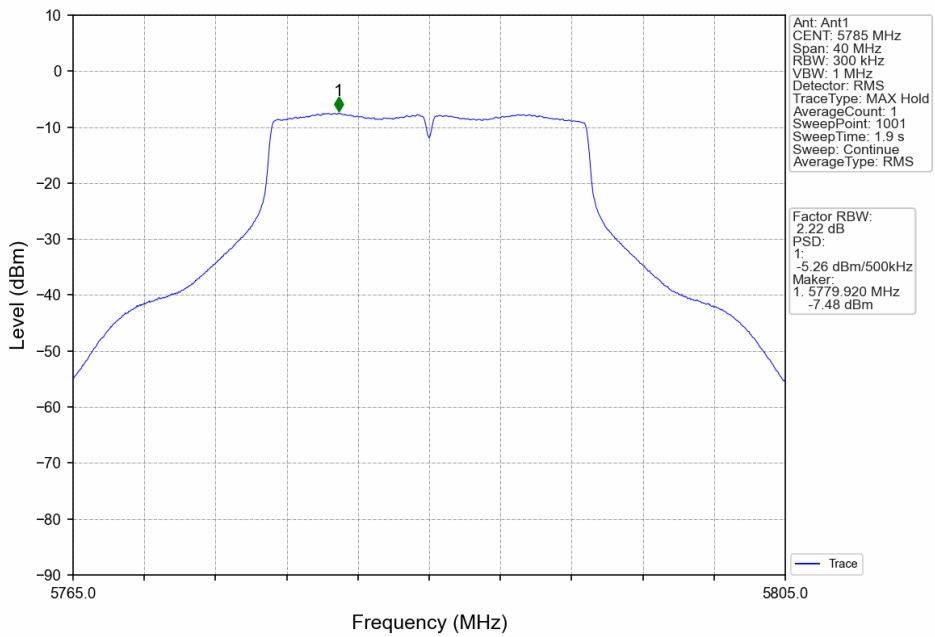
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



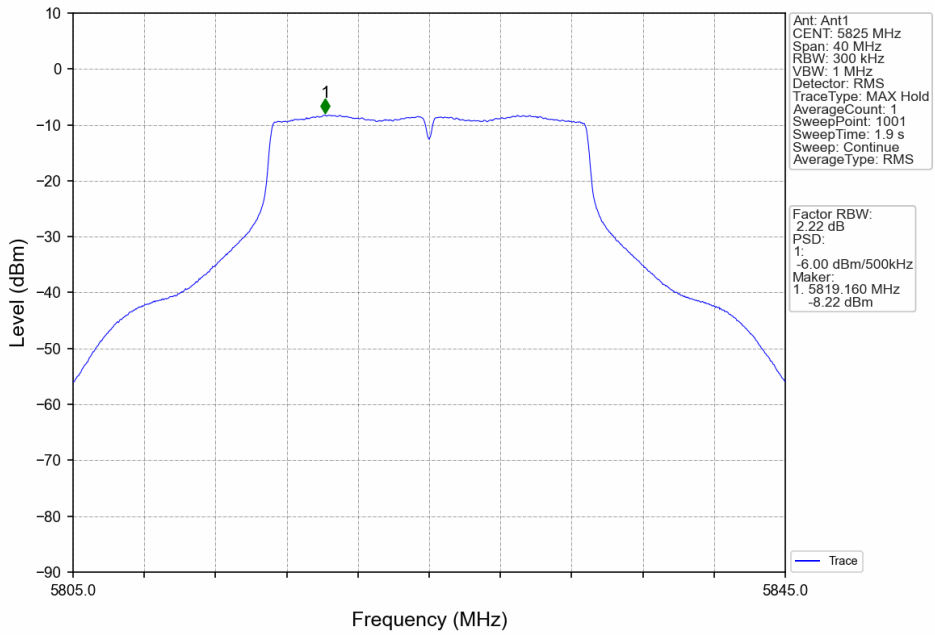
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



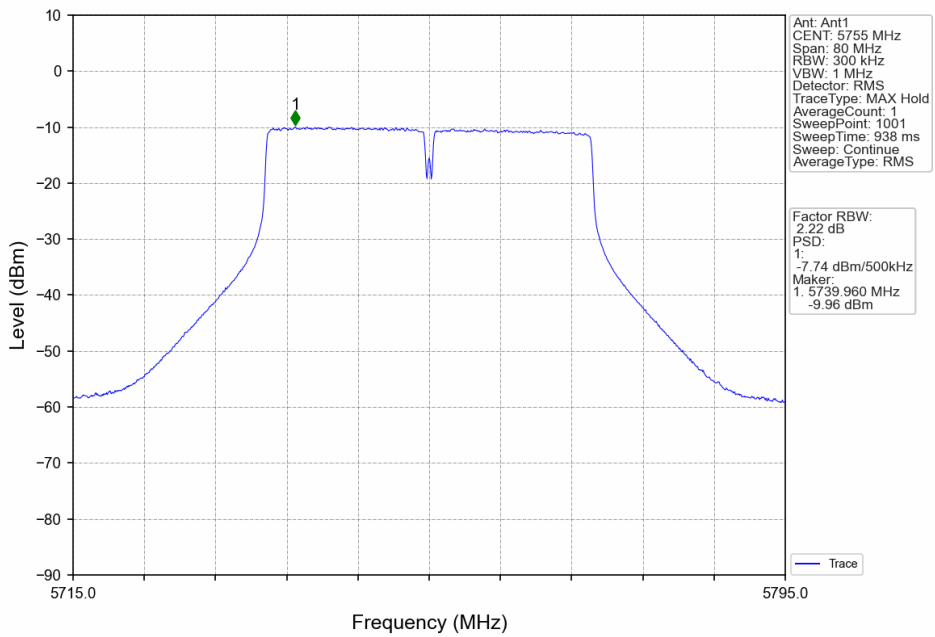
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

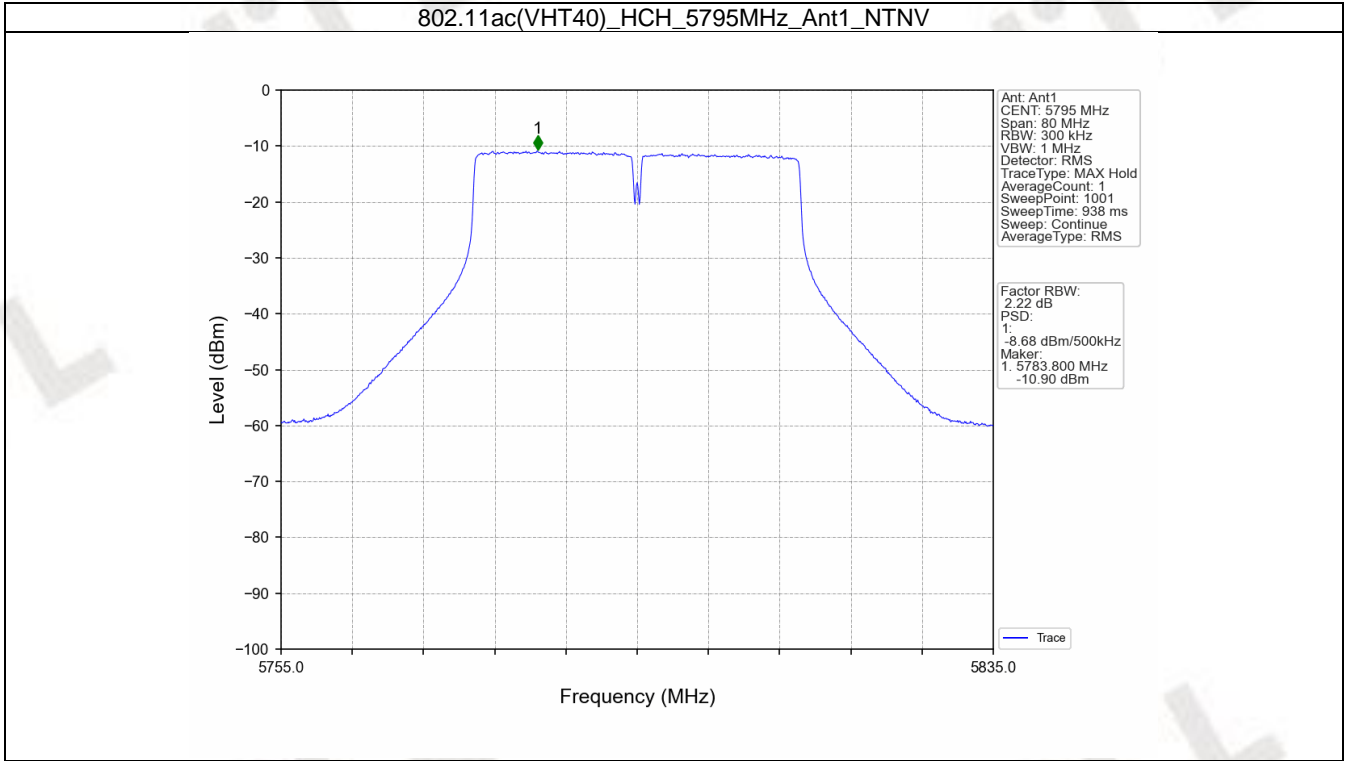


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV





4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Ant1								
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict	
Carrier Wave	SISO	5745	20	102	5745.004	5725 to 5850	Pass	
				120	5745.004	5725 to 5850	Pass	
				138	5745.005	5725 to 5850	Pass	
			-30	120	5745.005	5725 to 5850	Pass	
				-20	120	5745.005	5725 to 5850	Pass
					120	5745.005	5725 to 5850	Pass
			-10	120	5745.005	5725 to 5850	Pass	
				0	120	5745.005	5725 to 5850	Pass
					120	5745.005	5725 to 5850	Pass
			10	120	5745.005	5725 to 5850	Pass	
				30	120	5745.005	5725 to 5850	Pass
					120	5745.005	5725 to 5850	Pass
		40	120	5745.005	5725 to 5850	Pass		
			50	120	5745.005	5725 to 5850	Pass	
				120	5745.005	5725 to 5850	Pass	
		5785	20	5785	102	5785.004	5725 to 5850	Pass
					120	5785.004	5725 to 5850	Pass
					138	5785.004	5725 to 5850	Pass
			-30	120	5785.004	5725 to 5850	Pass	
				-20	120	5785.005	5725 to 5850	Pass
					120	5785.005	5725 to 5850	Pass
			-10	120	5785.005	5725 to 5850	Pass	
				0	120	5785.005	5725 to 5850	Pass
					120	5785.004	5725 to 5850	Pass
			10	120	5785.004	5725 to 5850	Pass	
				30	120	5785.004	5725 to 5850	Pass
					120	5785.005	5725 to 5850	Pass
		40	120	5785.005	5725 to 5850	Pass		
			50	120	5785.004	5725 to 5850	Pass	
				120	5785.004	5725 to 5850	Pass	
		5825	20	5825	102	5825.005	5725 to 5850	Pass
					120	5825.005	5725 to 5850	Pass
					138	5825.005	5725 to 5850	Pass
			-30	120	5825.005	5725 to 5850	Pass	
				-20	120	5825.005	5725 to 5850	Pass
					120	5825.005	5725 to 5850	Pass
			-10	120	5825.005	5725 to 5850	Pass	
				0	120	5825.005	5725 to 5850	Pass
					120	5825.005	5725 to 5850	Pass
			10	120	5825.005	5725 to 5850	Pass	
				30	120	5825.005	5725 to 5850	Pass
					120	5825.005	5725 to 5850	Pass
		40	120	5825.005	5725 to 5850	Pass		
			50	120	5825.005	5725 to 5850	Pass	
				120	5825.005	5725 to 5850	Pass	
		5755	20	5755	102	5755.005	5725 to 5850	Pass
					120	5755.005	5725 to 5850	Pass
					138	5755.005	5725 to 5850	Pass
-30	120		5755.005	5725 to 5850	Pass			
	-20		120	5755.005	5725 to 5850	Pass		
			120	5755.005	5725 to 5850	Pass		
-10	120		5755.005	5725 to 5850	Pass			
	0		120	5755.005	5725 to 5850	Pass		
			120	5755.005	5725 to 5850	Pass		
10	120		5755.005	5725 to 5850	Pass			
	30		120	5755.005	5725 to 5850	Pass		
			120	5755.005	5725 to 5850	Pass		
40	120	5755.005	5725 to 5850	Pass				
	50	120	5755.005	5725 to 5850	Pass			
		120	5755.005	5725 to 5850	Pass			
5795	20	5795	102	5795.005	5725 to 5850	Pass		
			120	5795.005	5725 to 5850	Pass		
			138	5795.005	5725 to 5850	Pass		
	-30	120	5795.005	5725 to 5850	Pass			
		120	5795.004	5725 to 5850	Pass			

			-10	120	5795.005	5725 to 5850	Pass
			0	120	5795.005	5725 to 5850	Pass
			10	120	5795.004	5725 to 5850	Pass
			30	120	5795.004	5725 to 5850	Pass
			40	120	5795.004	5725 to 5850	Pass
			50	120	5795.004	5725 to 5850	Pass