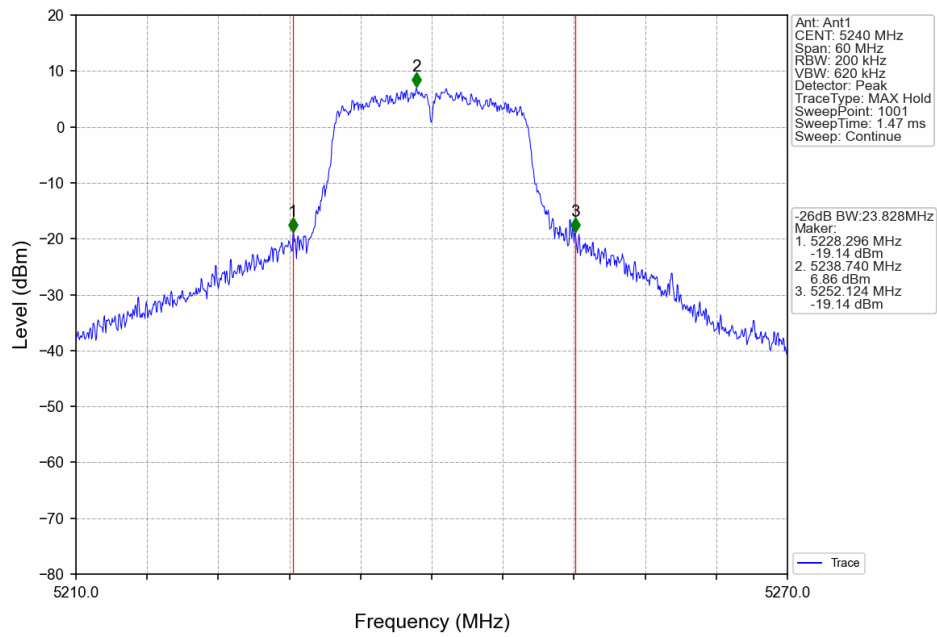
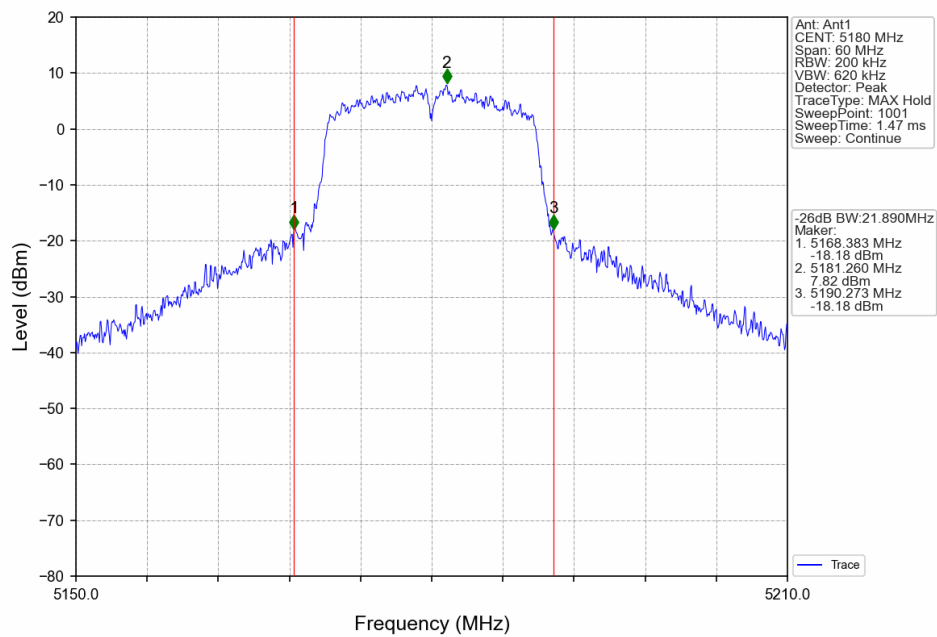


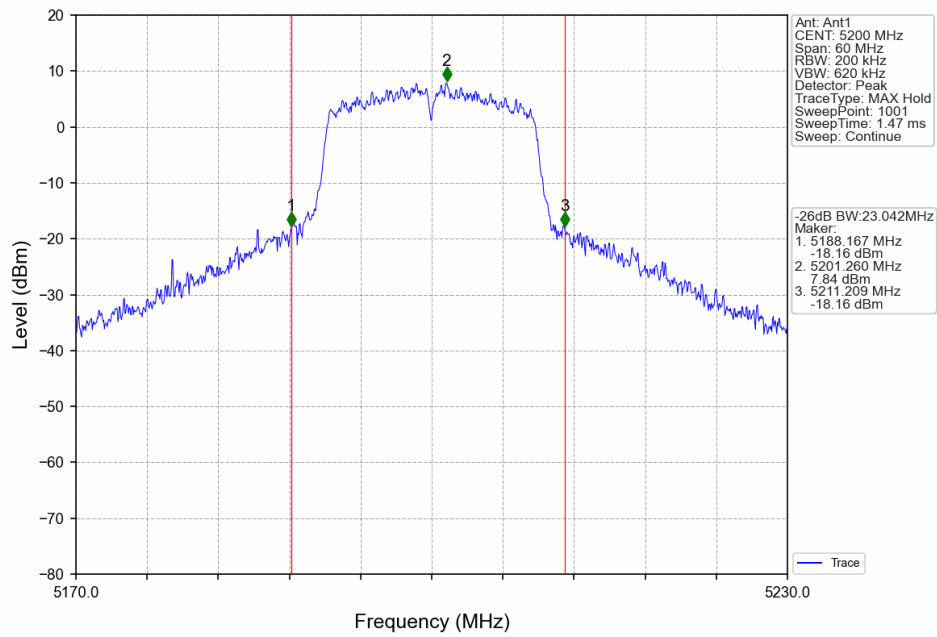
802.11a HCH 5240MHz Ant1 NTV



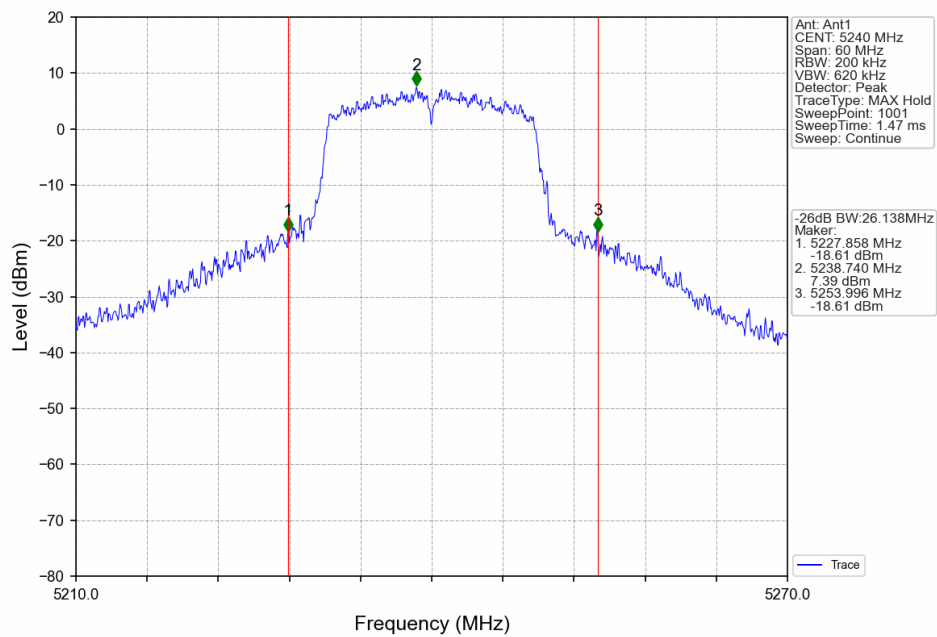
802.11n(HT20) LCH 5180MHz Ant1 NTV



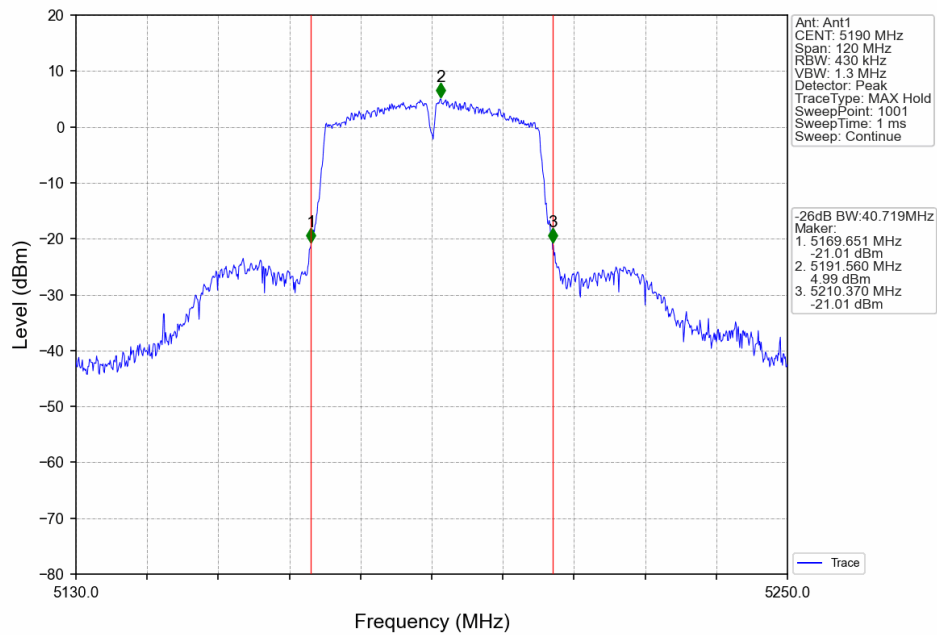
802.11n(HT20) MCH 5200MHz Ant1 NTV



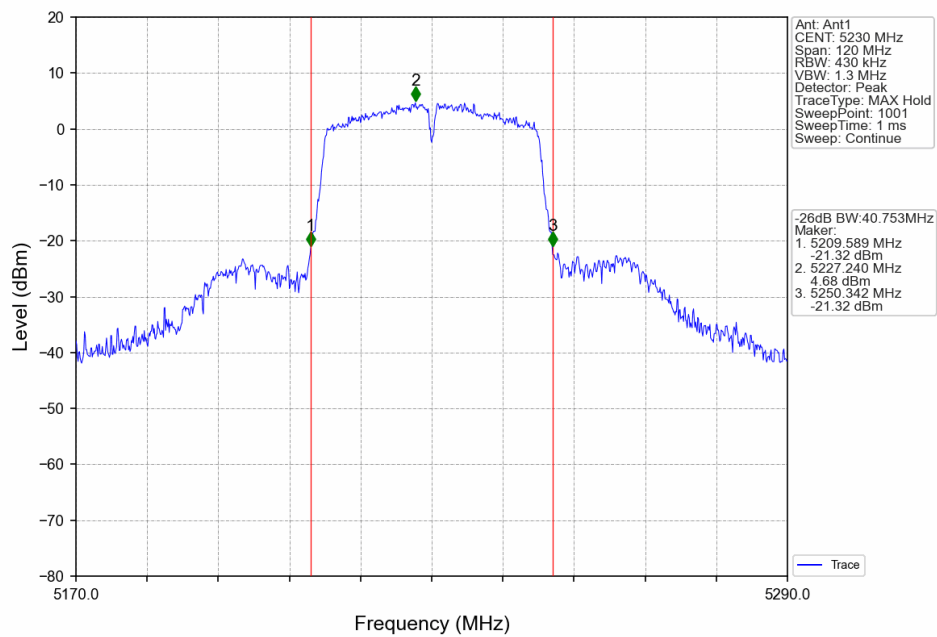
802.11n(HT20) HCH 5240MHz Ant1 NTV



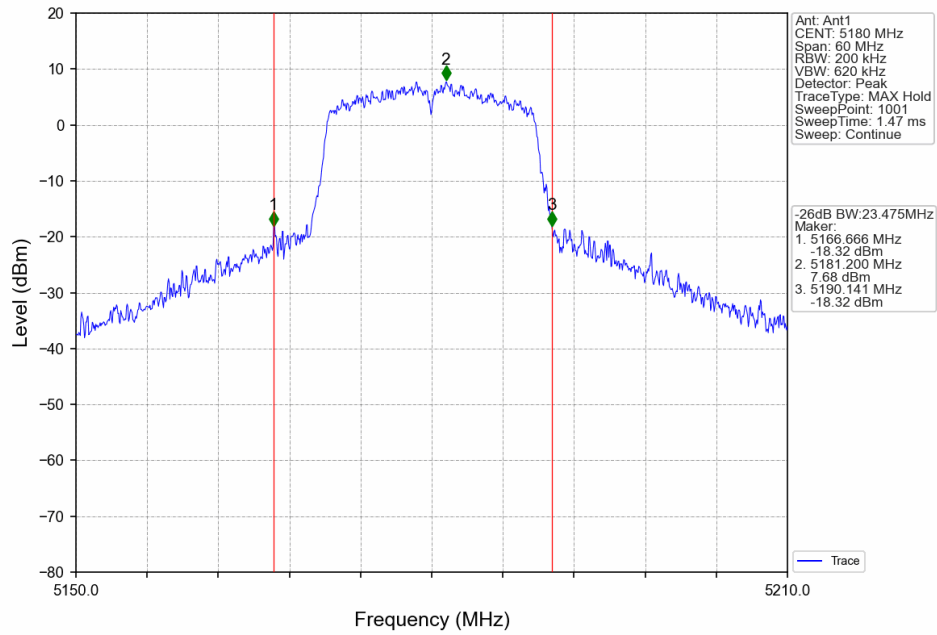
802.11n(HT40) LCH 5190MHz Ant1 NTN



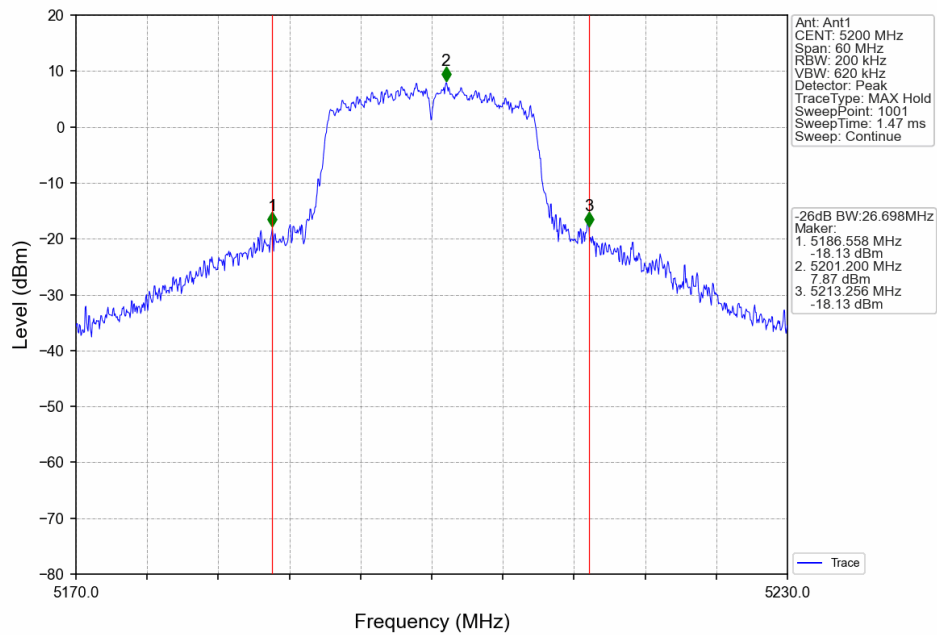
802.11n(HT40) HCH 5230MHz Ant1 NTN



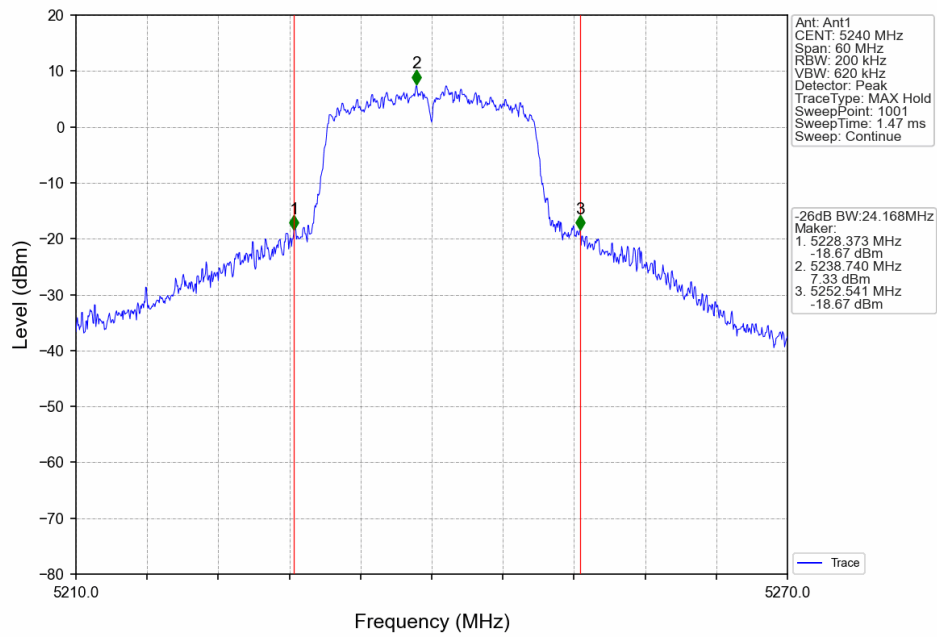
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



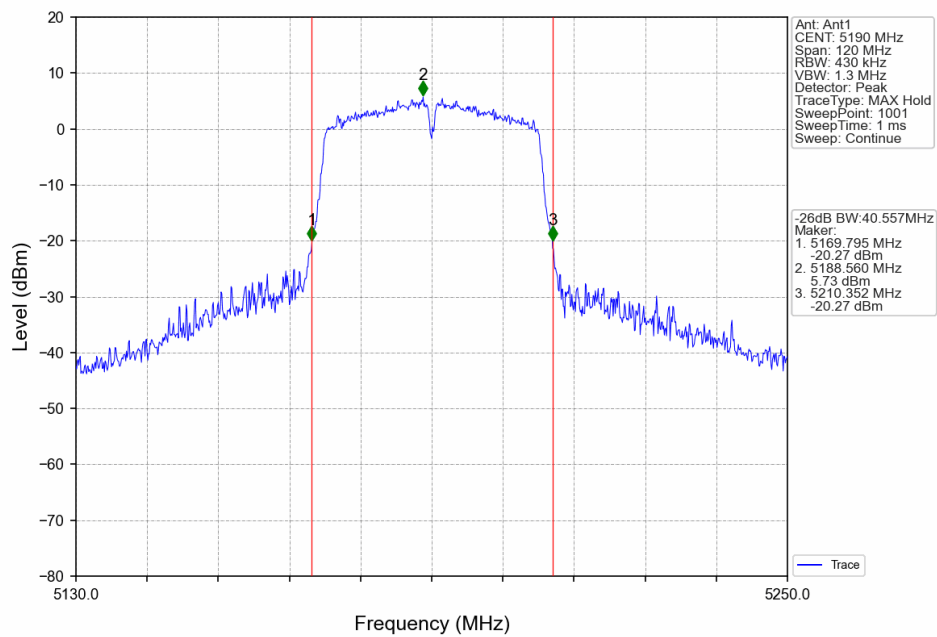
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



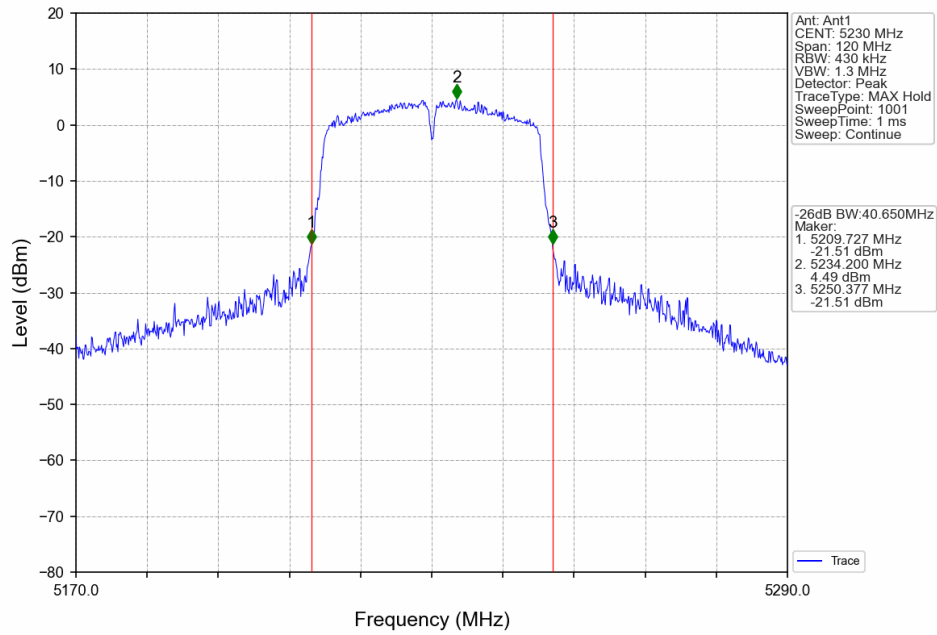
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



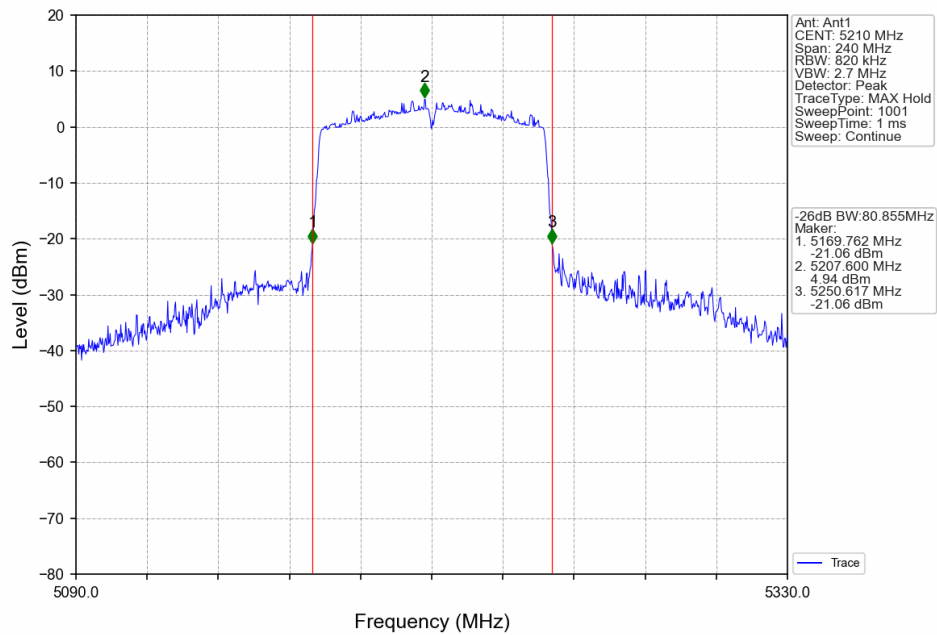
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



802.11ac(VHT80) MCH 5210MHz Ant1 NTNV



3. Maximum Conducted Output Power

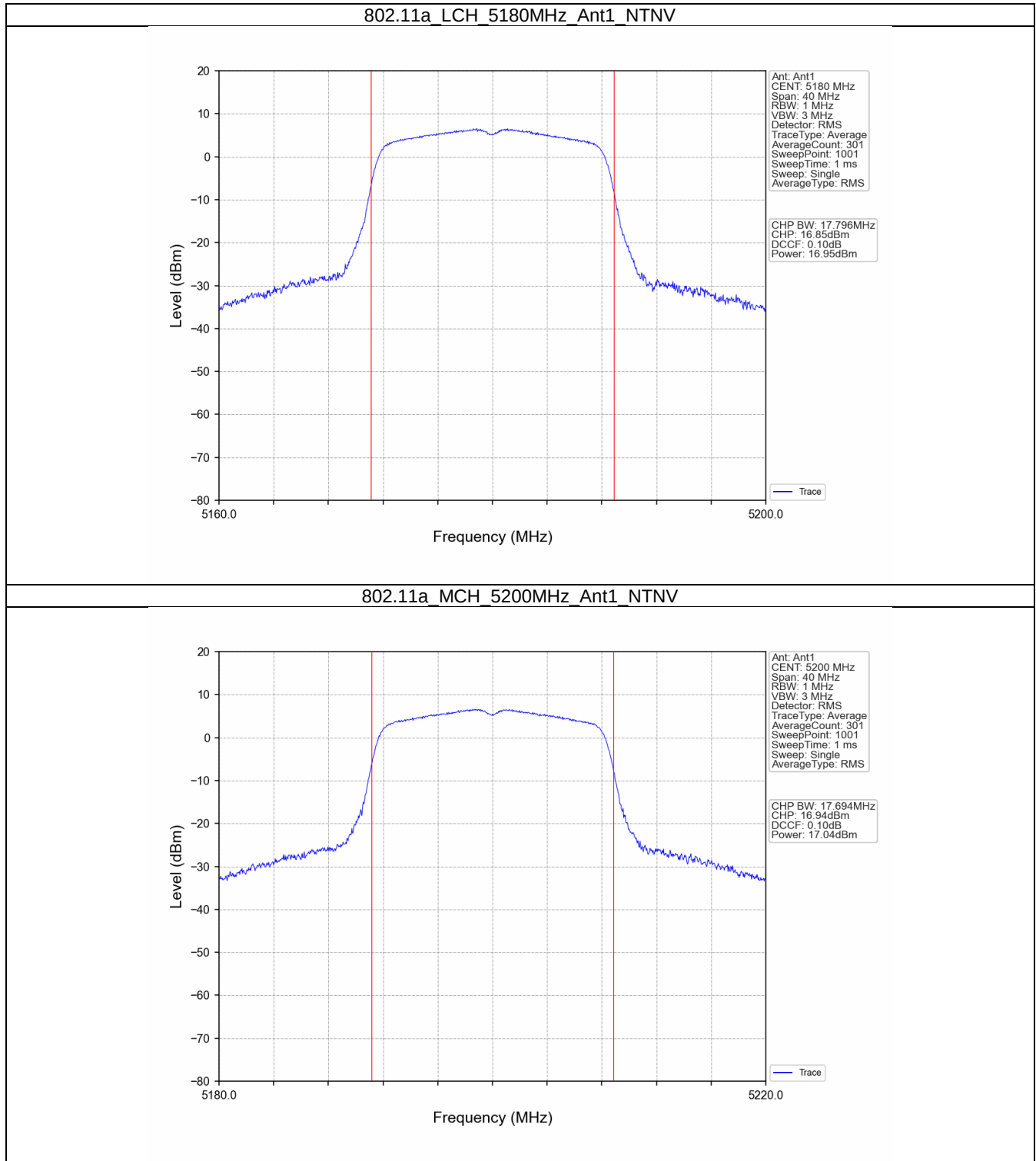
3.1 Power

3.1.1 Test Result

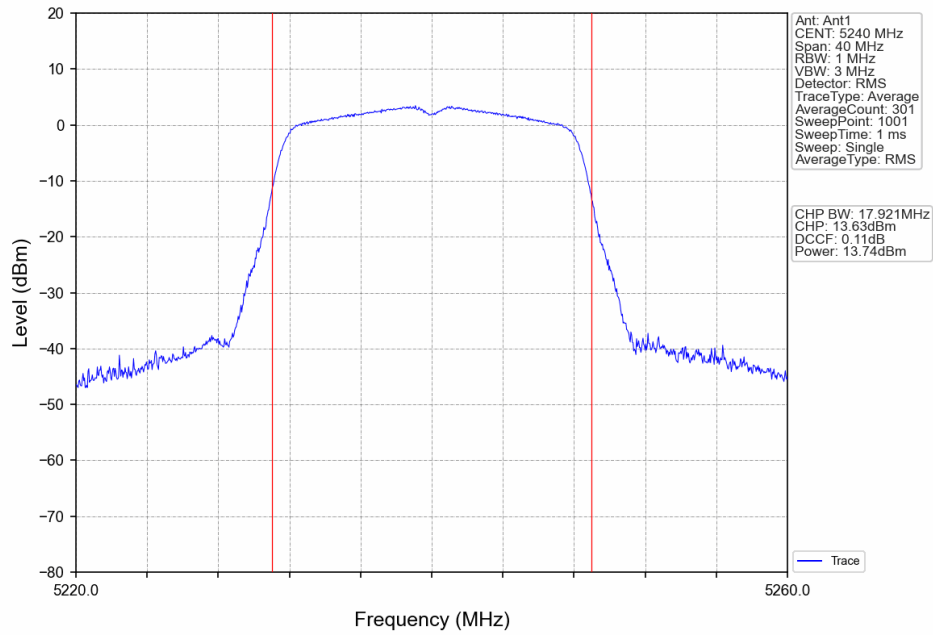
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	16.95	<=23.98	Pass
		5200	17.04	<=23.98	Pass
		5240	13.74	<=23.98	Pass
		5745	15.44	<=30	Pass
		5785	15.58	<=30	Pass
		5825	16.72	<=30	Pass
802.11n (HT20)	SISO	5180	14.25	<=23.98	Pass
		5200	13.85	<=23.98	Pass
		5240	14.05	<=23.98	Pass
		5745	15.31	<=30	Pass
		5785	15.97	<=30	Pass
		5825	14.30	<=30	Pass
802.11n (HT40)	SISO	5190	12.17	<=23.98	Pass
		5230	11.59	<=23.98	Pass
		5755	13.53	<=30	Pass
		5795	13.43	<=30	Pass
802.11ac (VHT20)	SISO	5180	14.30	<=23.98	Pass
		5200	13.89	<=23.98	Pass
		5240	13.57	<=23.98	Pass
		5745	15.29	<=30	Pass
		5785	15.51	<=30	Pass
		5825	14.29	<=30	Pass
802.11ac (VHT40)	SISO	5190	12.17	<=23.98	Pass
		5230	11.66	<=23.98	Pass
		5755	13.54	<=30	Pass
		5795	13.39	<=30	Pass
802.11ac (VHT80)	SISO	5210	11.84	<=23.98	Pass
		5775	13.17	<=30	Pass

Note1: Antenna Gain: Ant1: 4.36dBi;

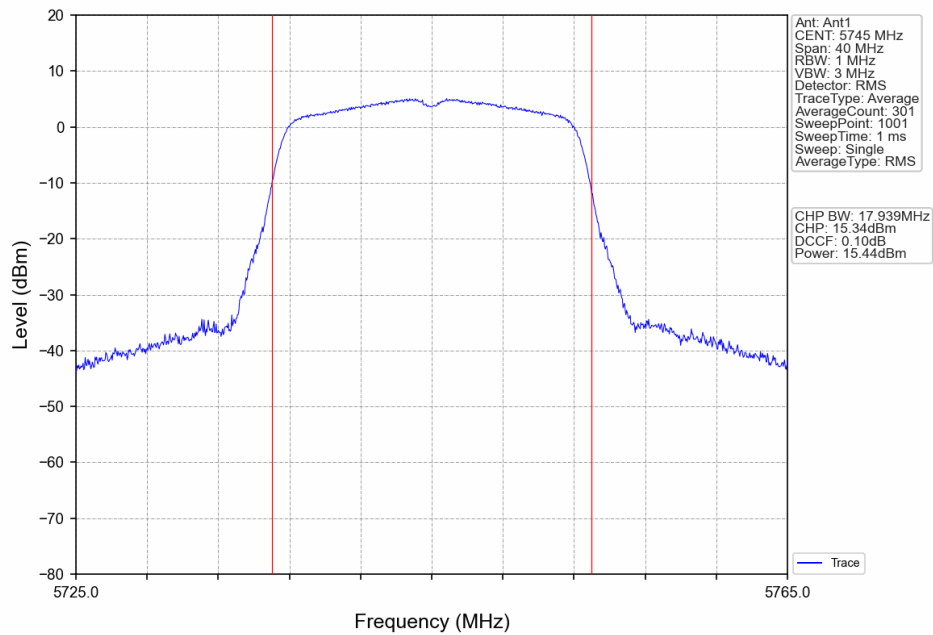
3.1.2 Test Graph



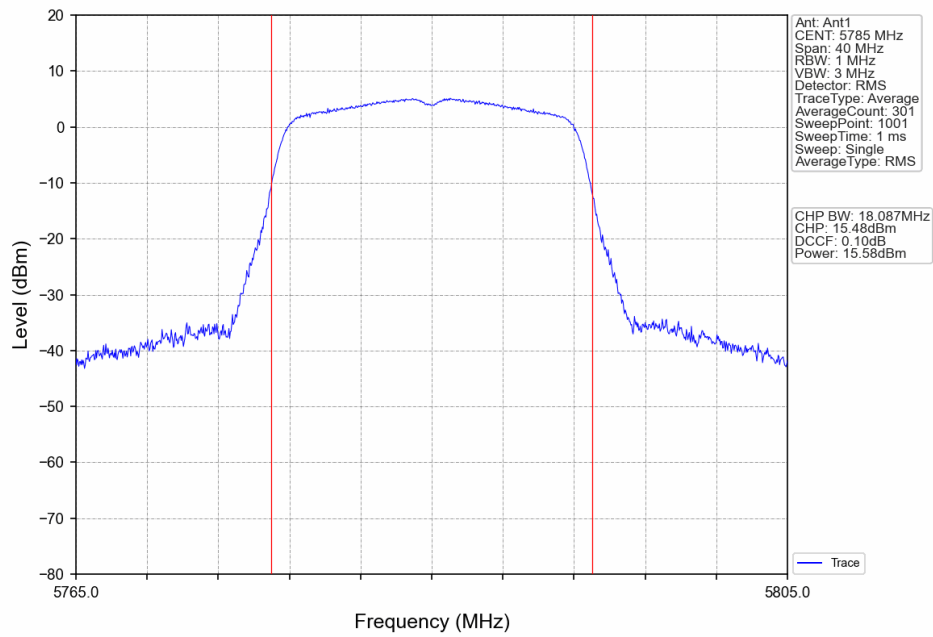
802.11a HCH 5240MHz Ant1 NTNV



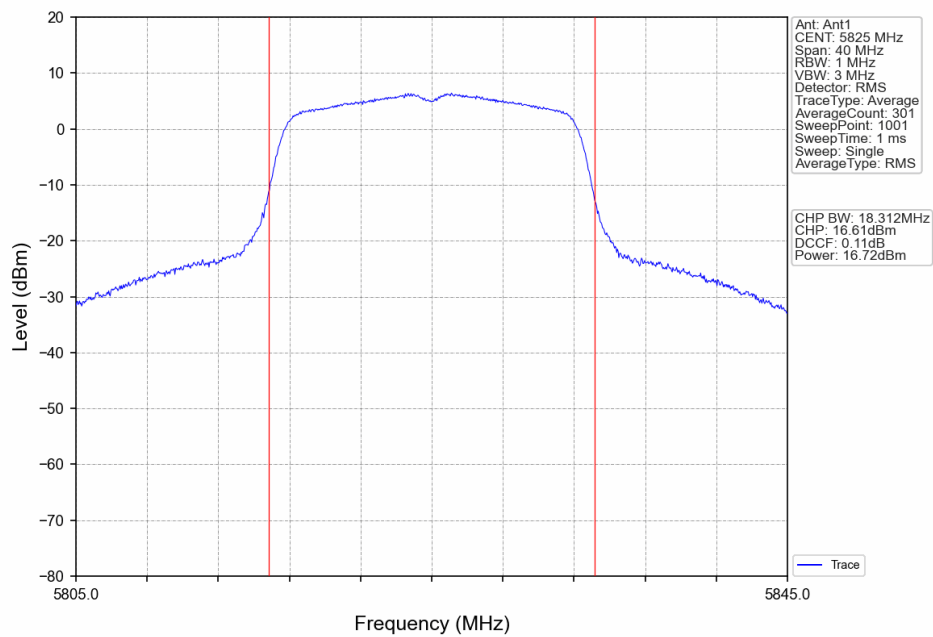
802.11a LCH 5745MHz Ant1 NTNV



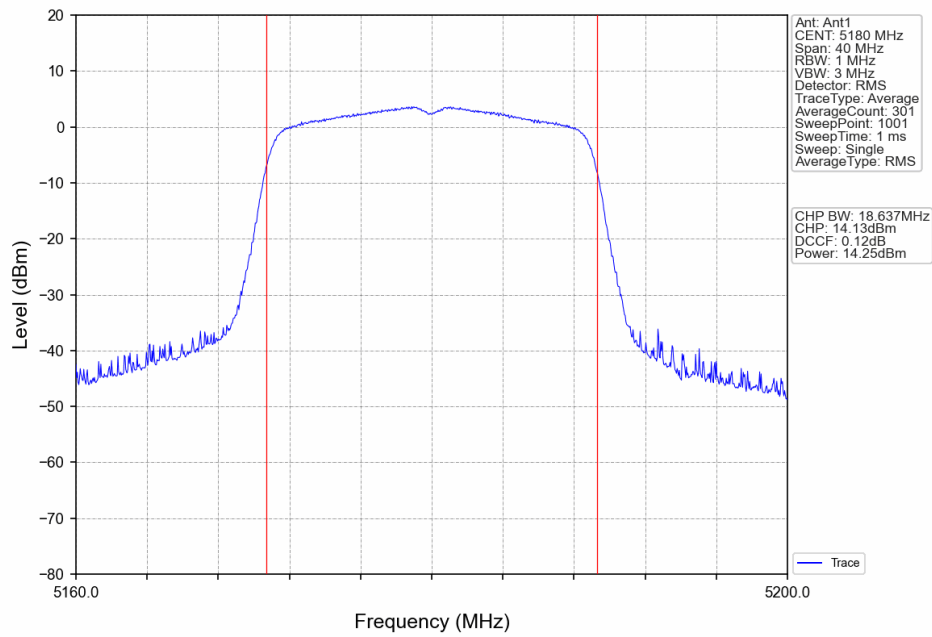
802.11a MCH 5785MHz Ant1 NTNV



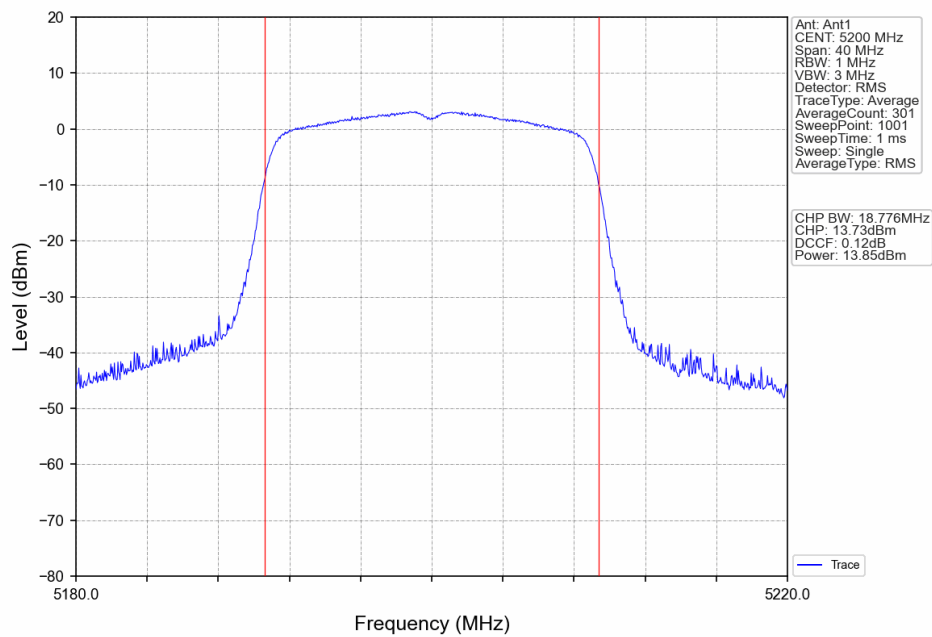
802.11a HCH 5825MHz Ant1 NTNV



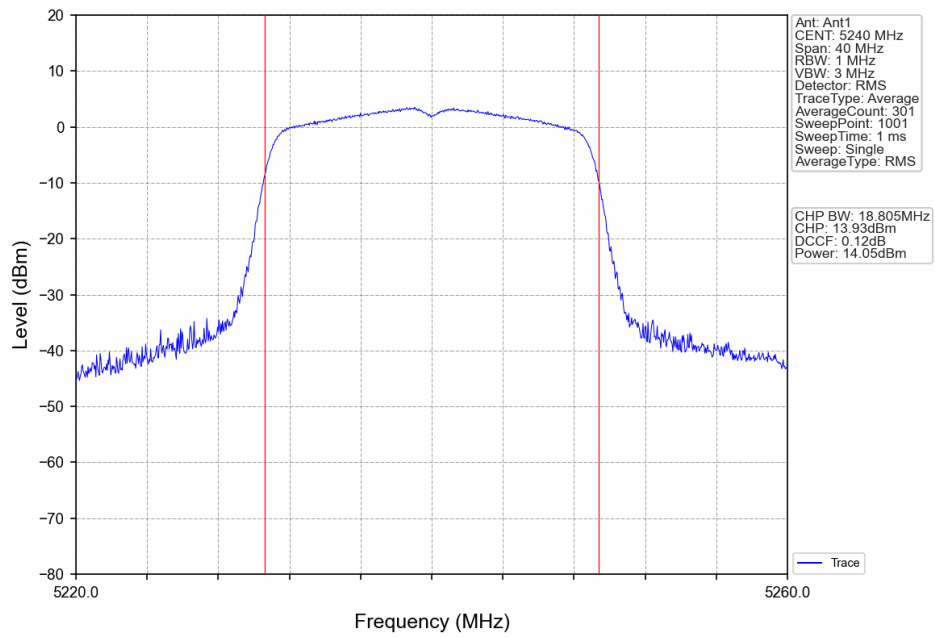
802.11n(HT20) LCH 5180MHz Ant1 NTN



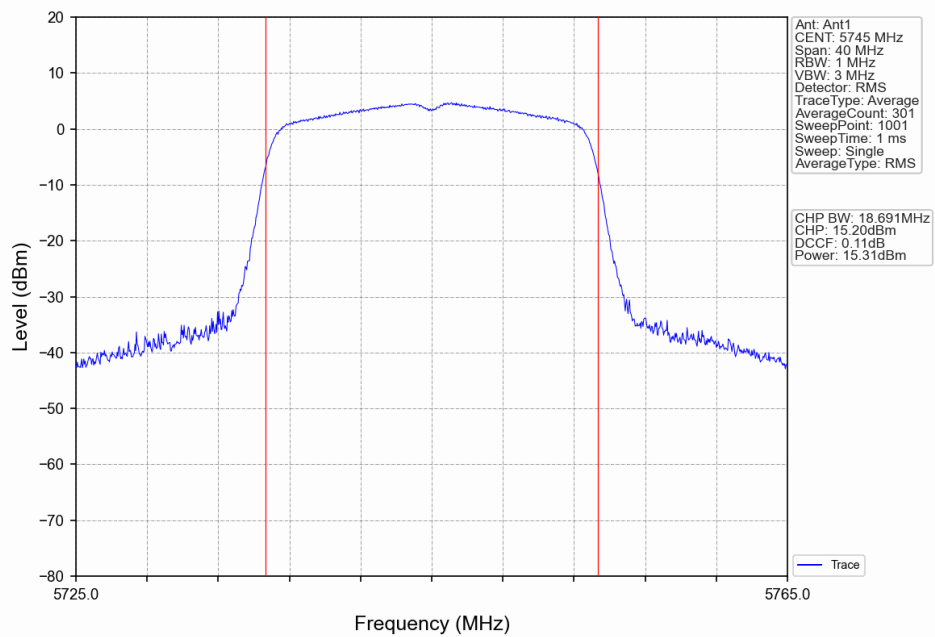
802.11n(HT20) MCH 5200MHz Ant1 NTN



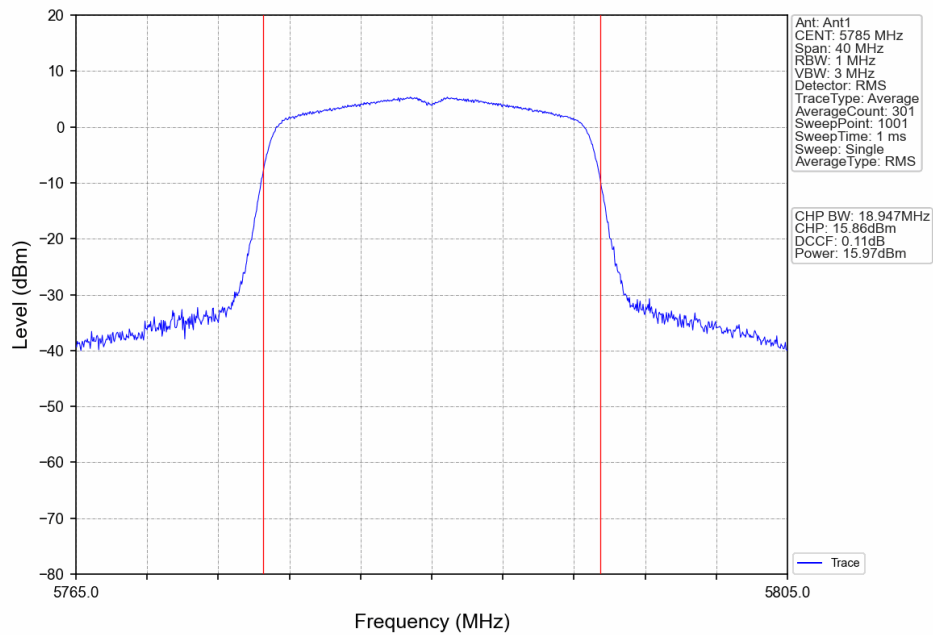
802.11n(HT20) HCH 5240MHz Ant1 NTN



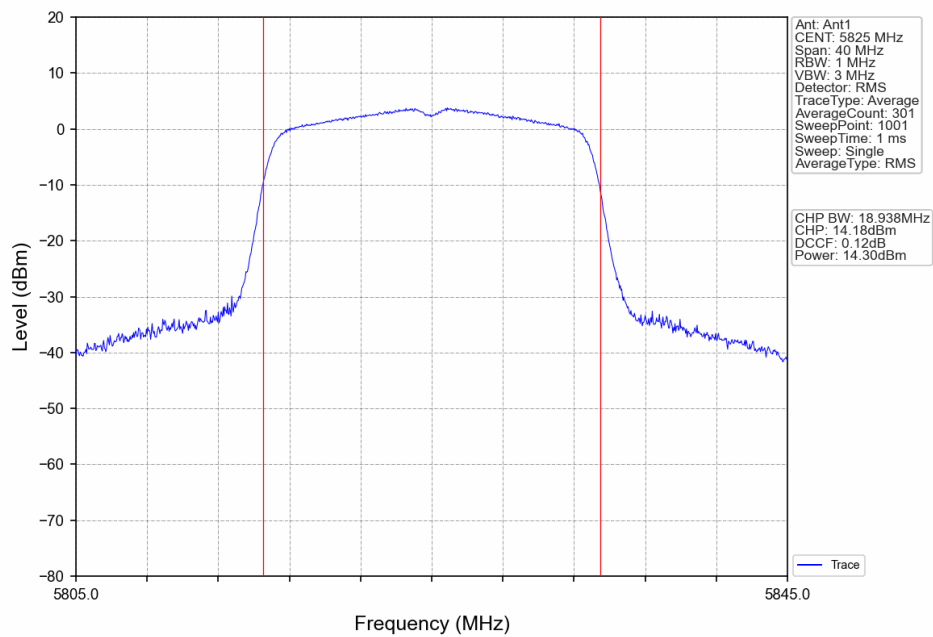
802.11n(HT20) LCH 5745MHz Ant1 NTN



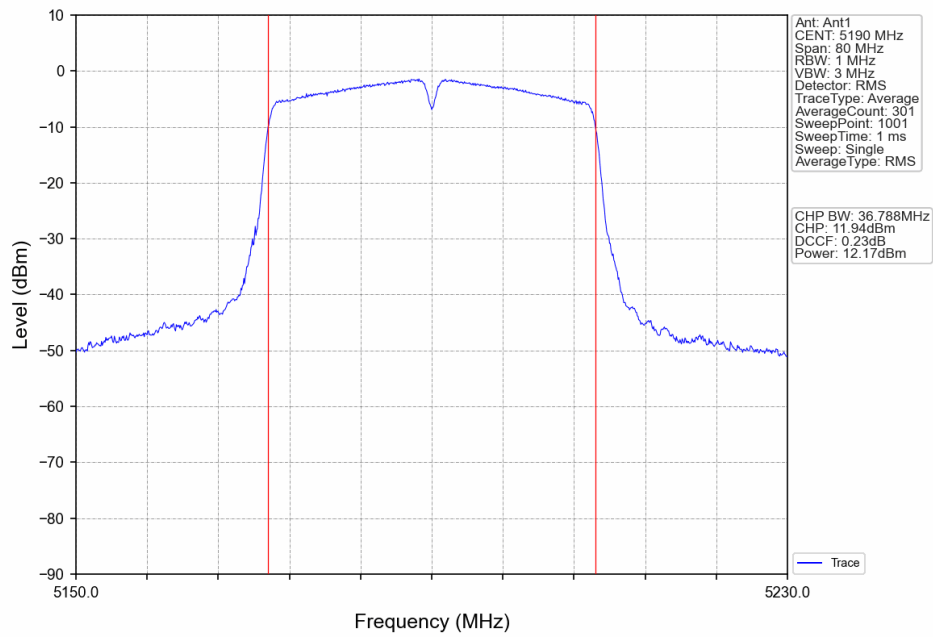
802.11n(HT20) MCH 5785MHz Ant1 NTN



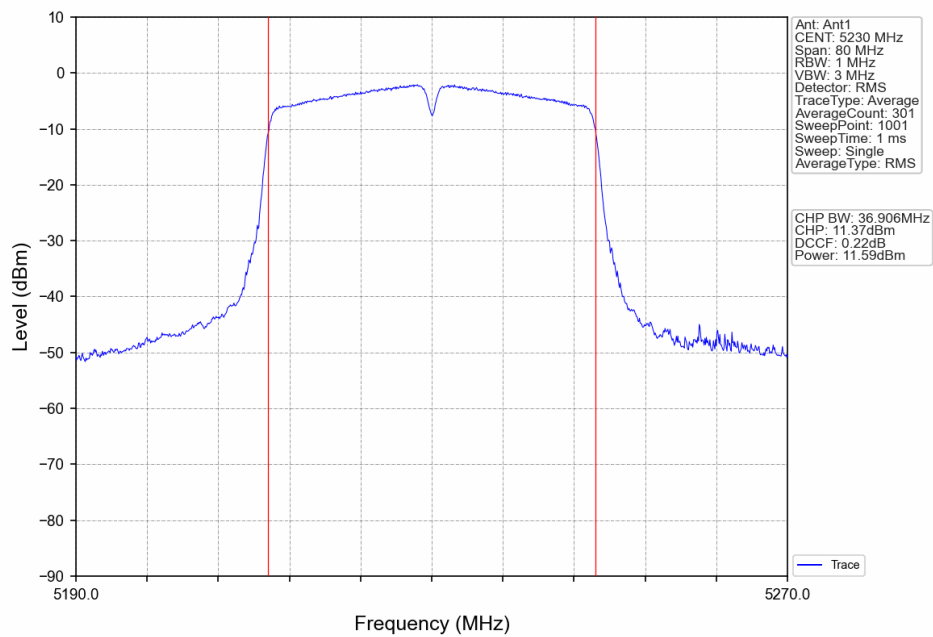
802.11n(HT20) HCH 5825MHz Ant1 NTN



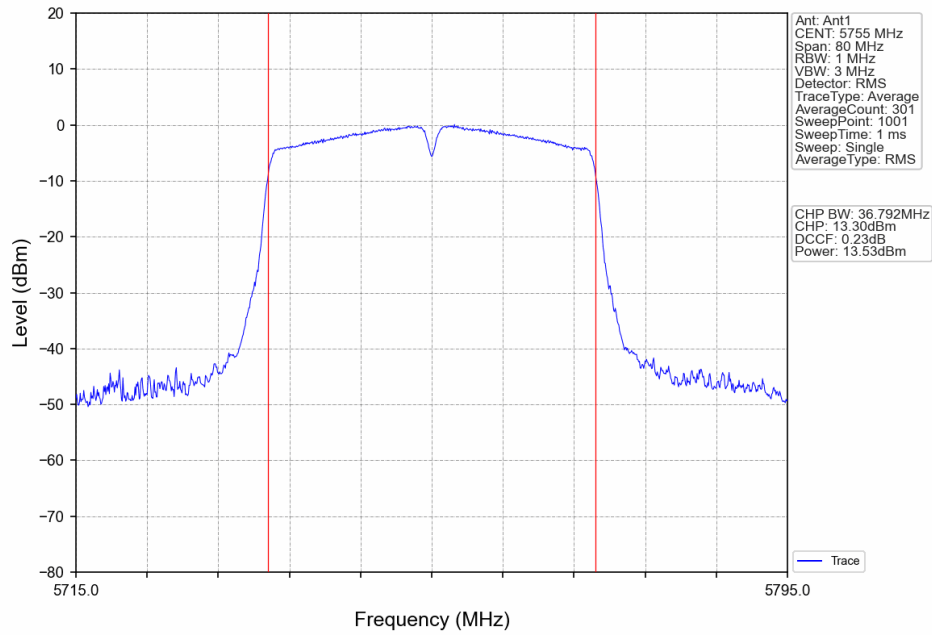
802.11n(HT40) LCH 5190MHz Ant1 NTVN



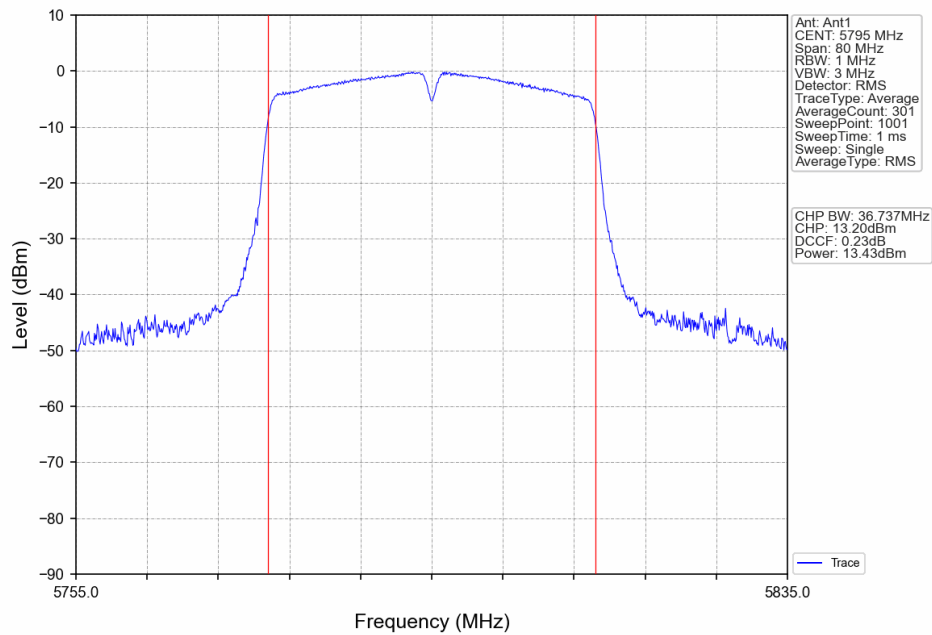
802.11n(HT40) HCH 5230MHz Ant1 NTVN



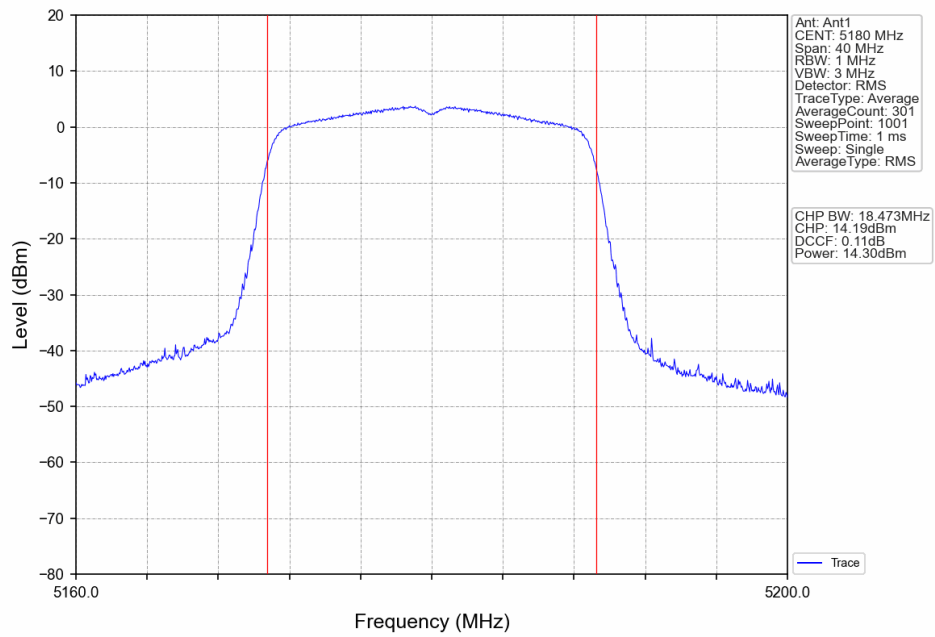
802.11n(HT40) LCH 5755MHz Ant1 NTN



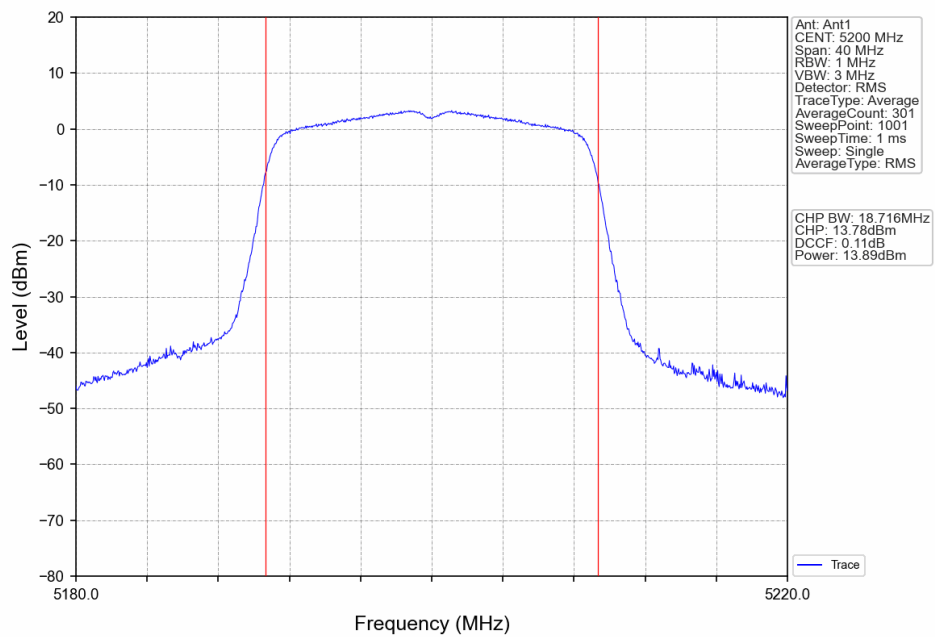
802.11n(HT40) HCH 5795MHz Ant1 NTN



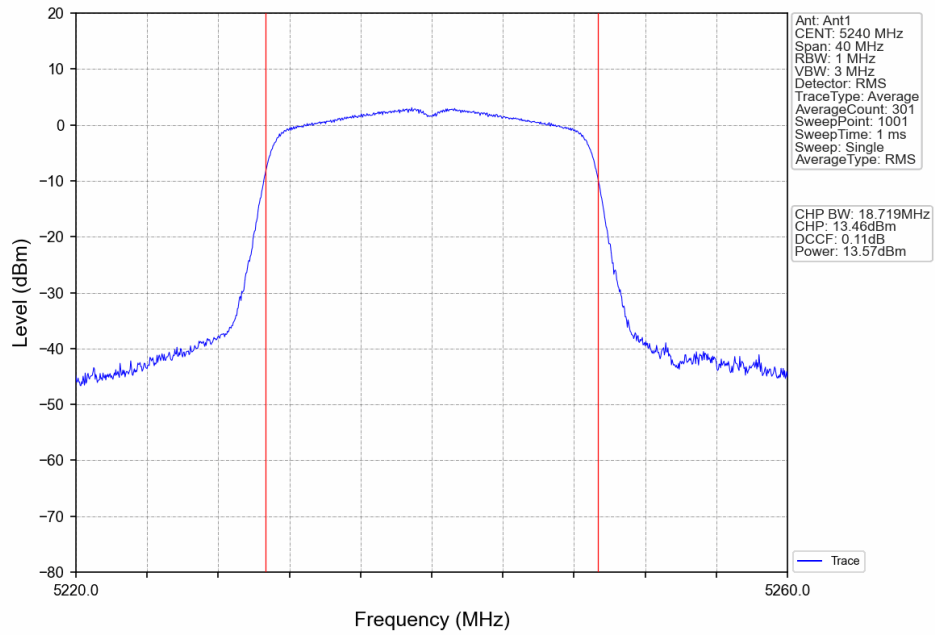
802.11ac(VHT20) LCH 5180MHz Ant1 NTNV



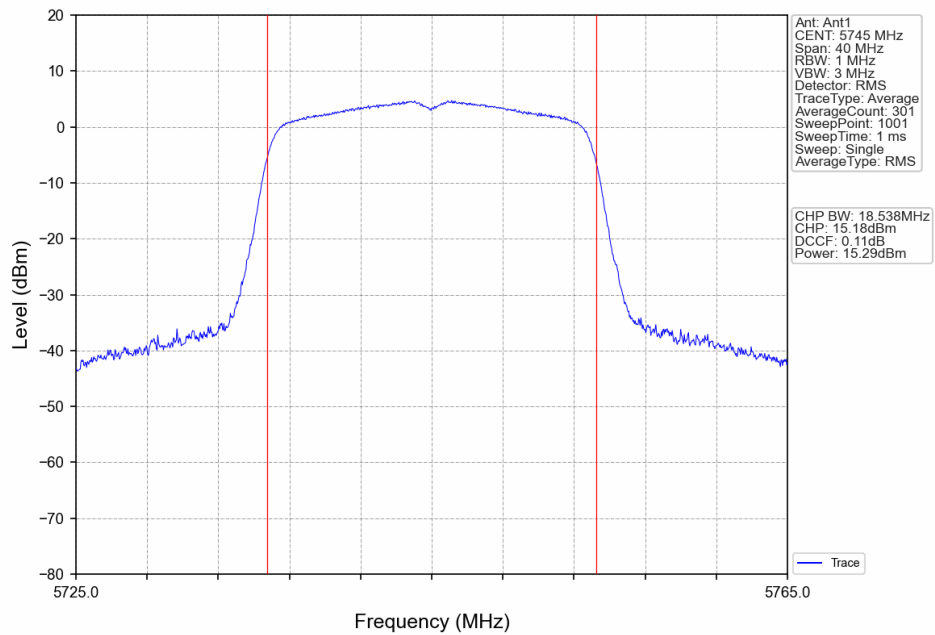
802.11ac(VHT20) MCH 5200MHz Ant1 NTNV



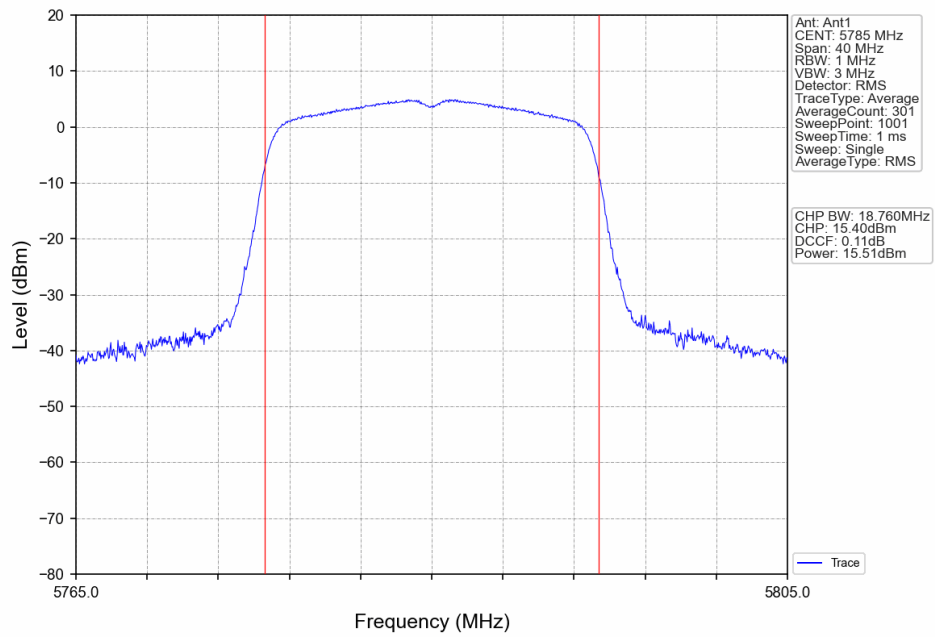
802.11ac(VHT20) HCH 5240MHz Ant1 NTNV



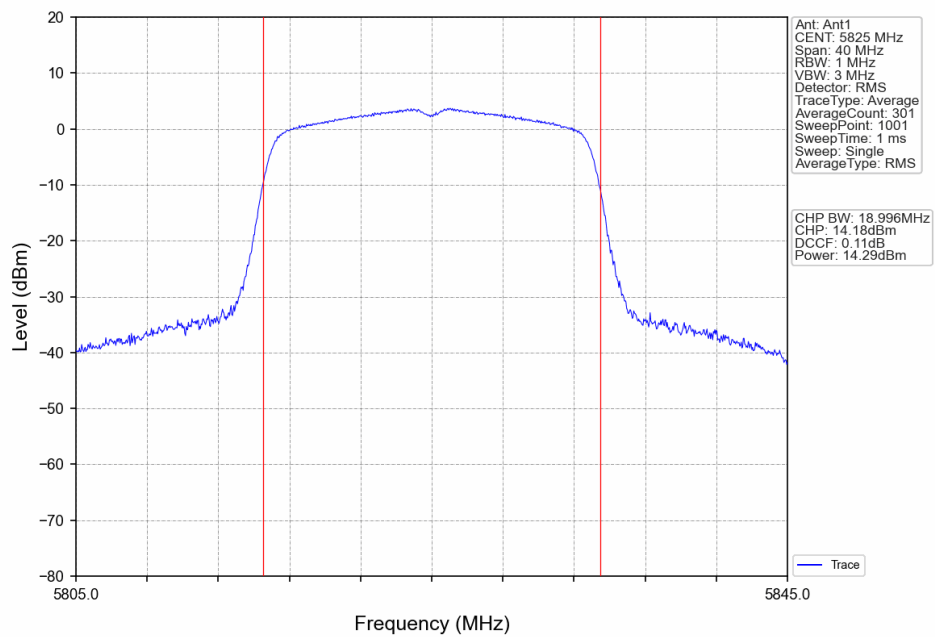
802.11ac(VHT20) LCH 5745MHz Ant1 NTNV



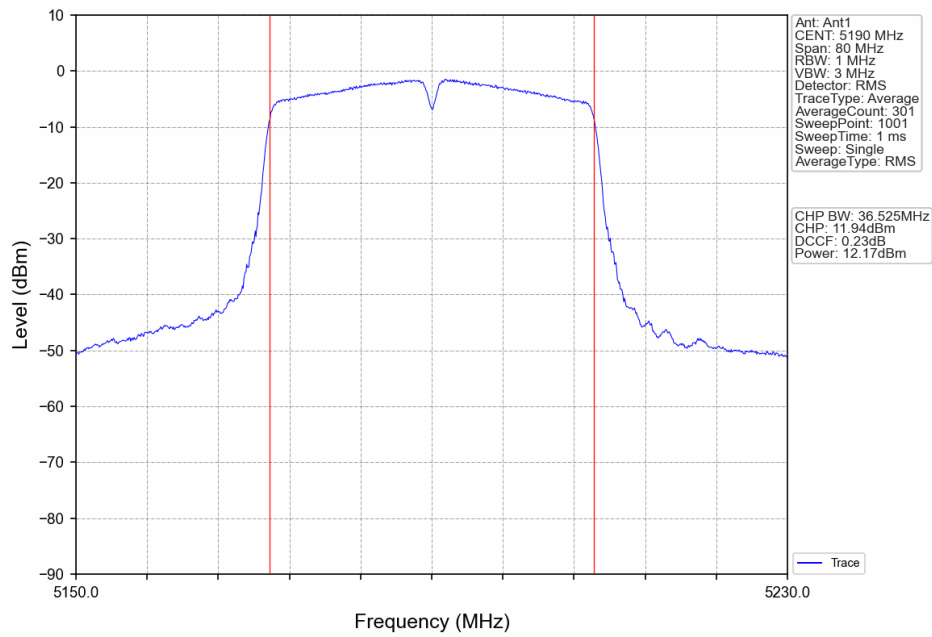
802.11ac(VHT20) MCH 5785MHz Ant1 NTNV



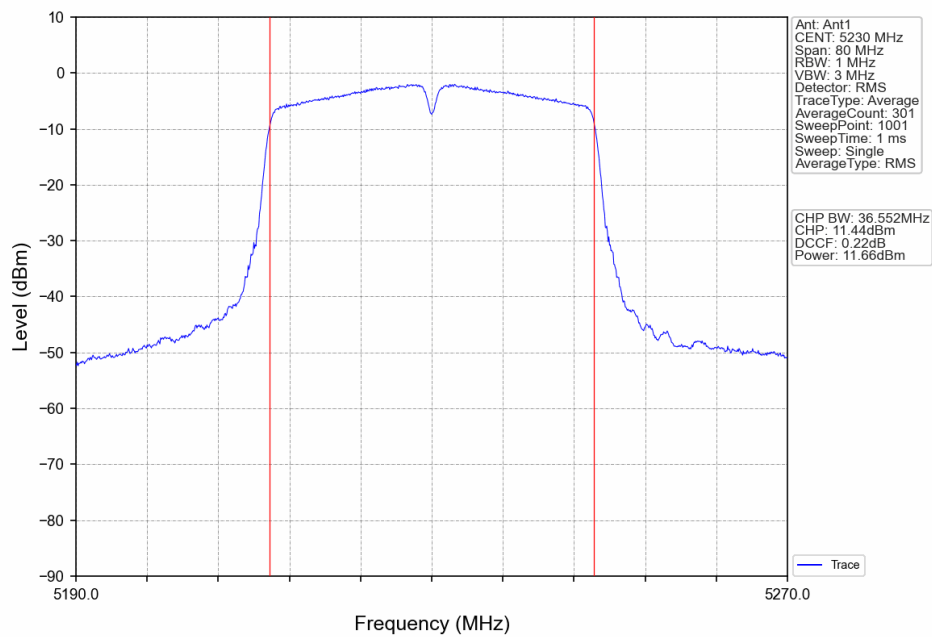
802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



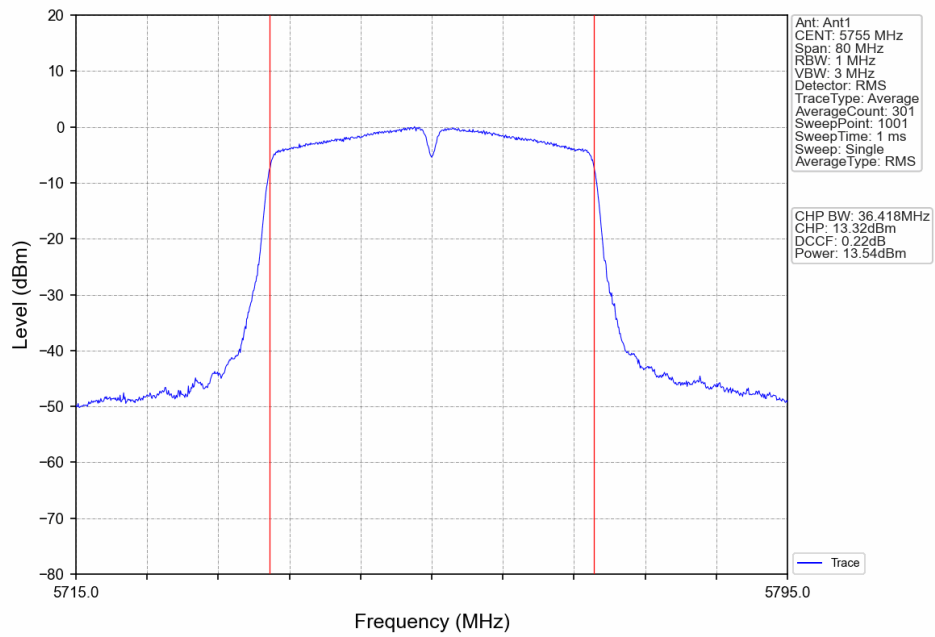
802.11ac(VHT40) LCH 5190MHz Ant1 NTNV



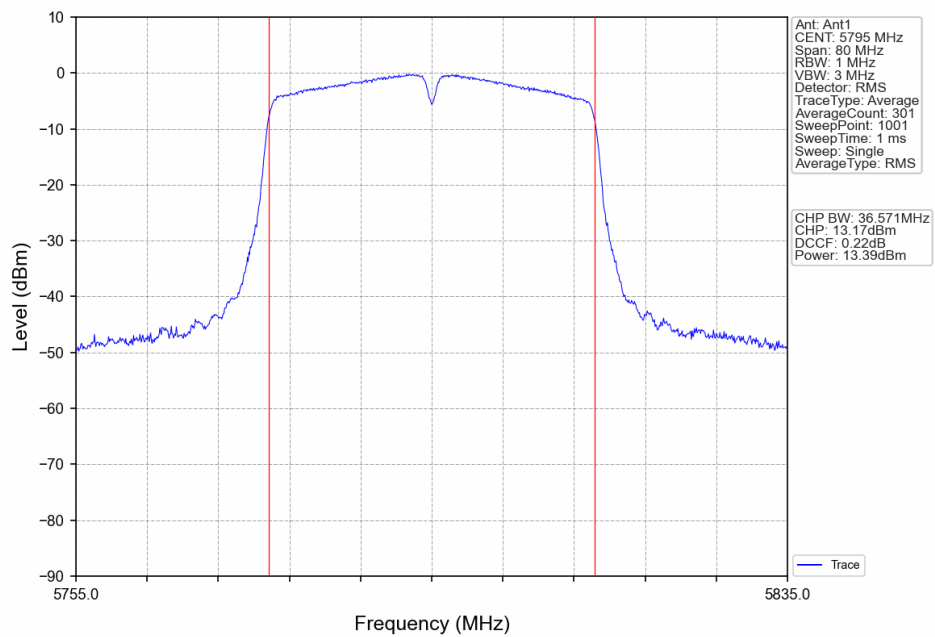
802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



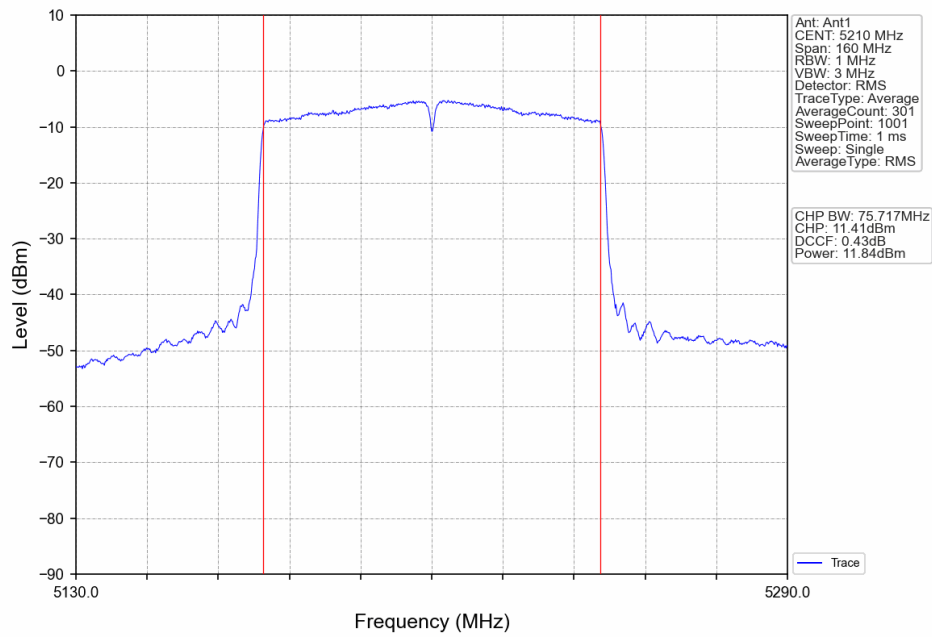
802.11ac(VHT40) LCH 5755MHz Ant1 NTNV



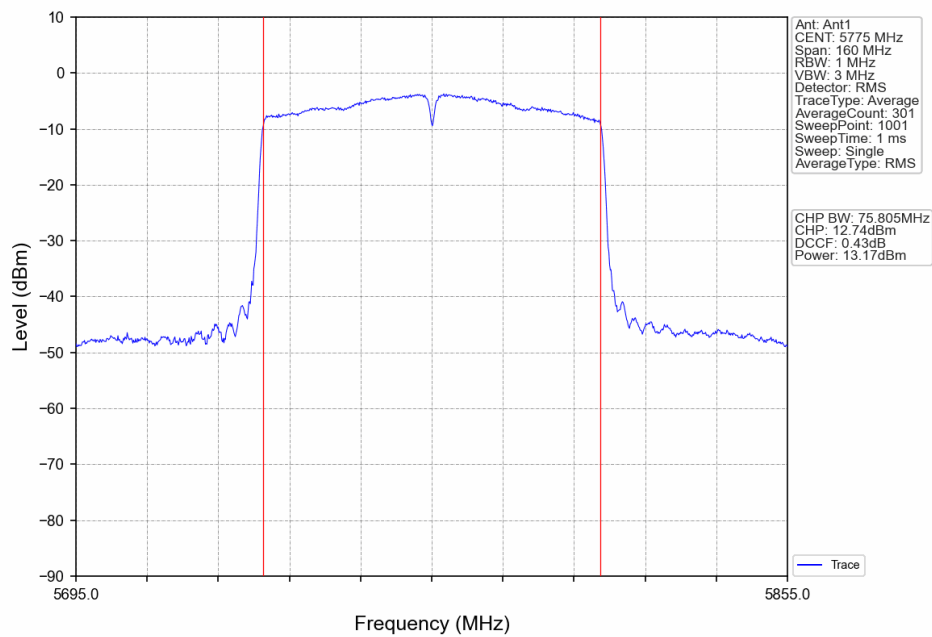
802.11ac(VHT40) HCH 5795MHz Ant1 NTNV



802.11ac(VHT80) MCH 5210MHz Ant1 NTV



802.11ac(VHT80) MCH 5775MHz Ant1 NTV



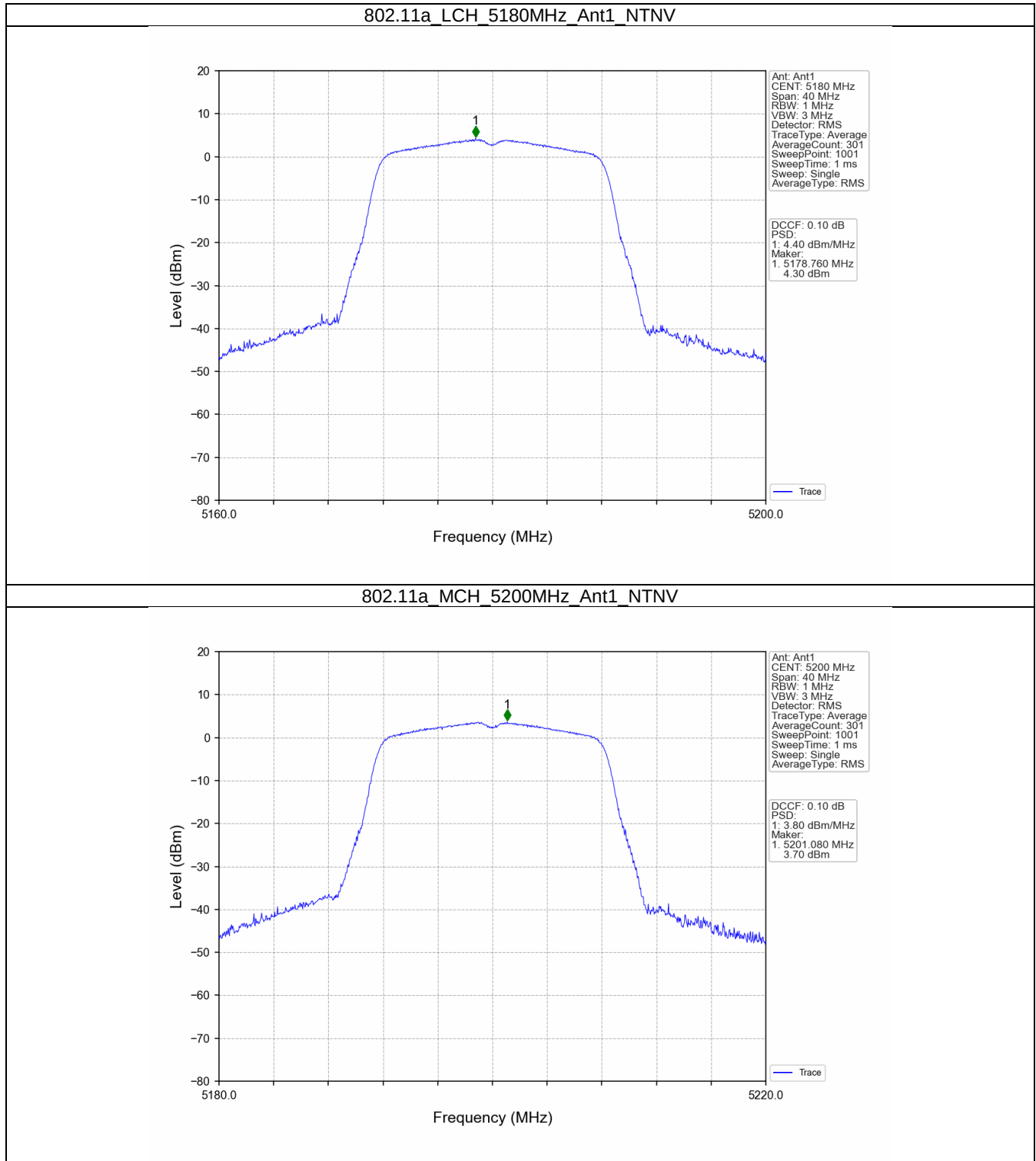
4. Maximum Power Spectral Density

4.1 PSD

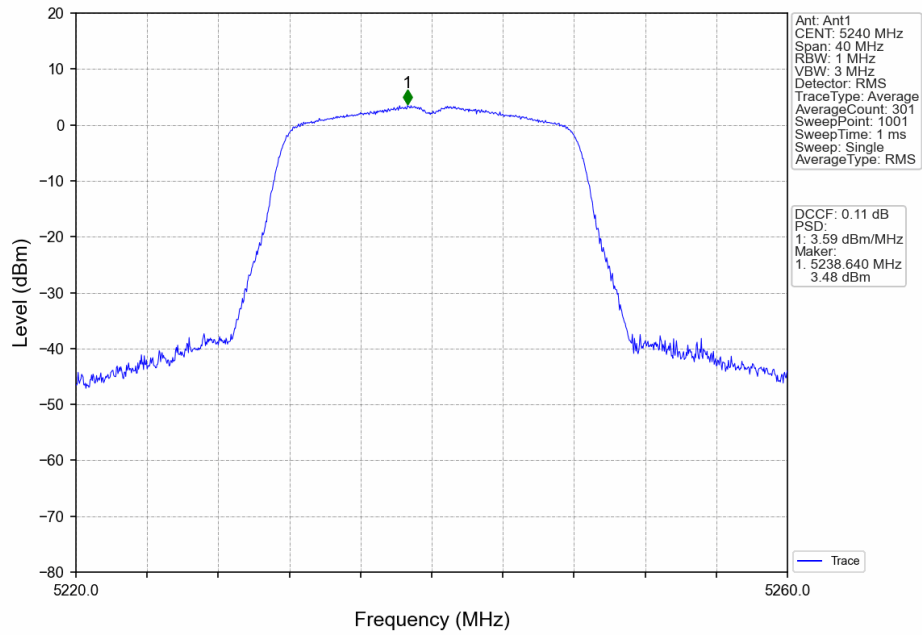
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	4.40	<=11	Pass
		5200	3.80	<=11	Pass
		5240	3.59	<=11	Pass
802.11n (HT20)	SISO	5180	3.77	<=11	Pass
		5200	3.52	<=11	Pass
		5240	3.61	<=11	Pass
802.11n (HT40)	SISO	5190	-1.07	<=11	Pass
		5230	-1.71	<=11	Pass
802.11ac (VHT20)	SISO	5180	3.98	<=11	Pass
		5200	3.42	<=11	Pass
		5240	3.03	<=11	Pass
802.11ac (VHT40)	SISO	5190	-1.06	<=11	Pass
		5230	-1.69	<=11	Pass
802.11ac (VHT80)	SISO	5210	-4.68	<=11	Pass
Note1: Antenna Gain: Ant1: 4.36dBi;					

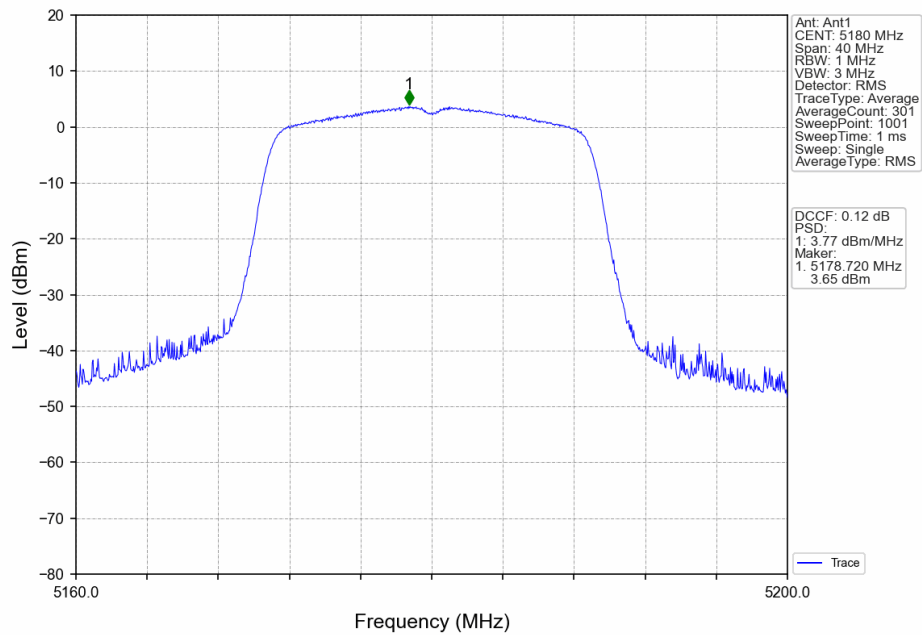
4.1.2 Test Graph



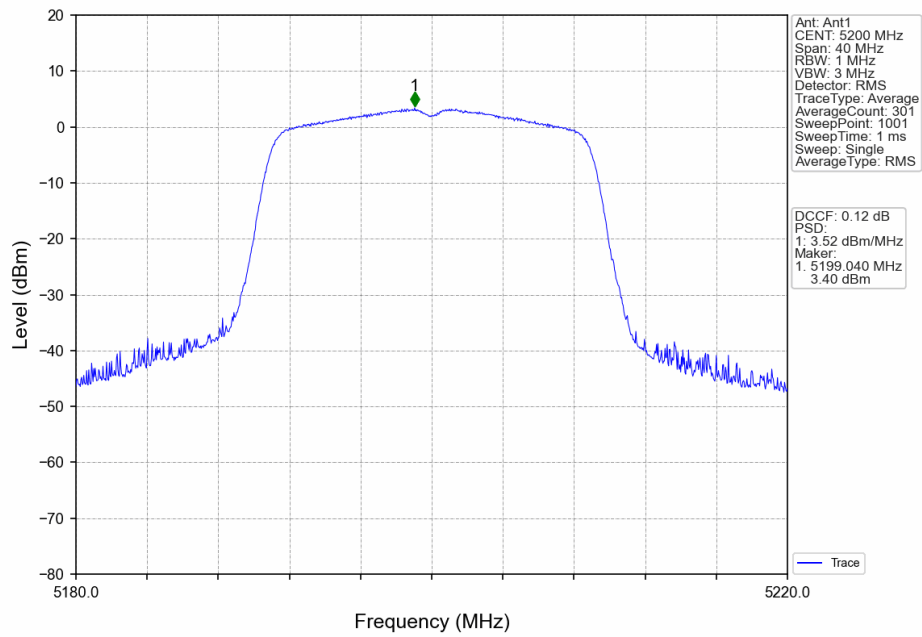
802.11a HCH 5240MHz Ant1 NTNV



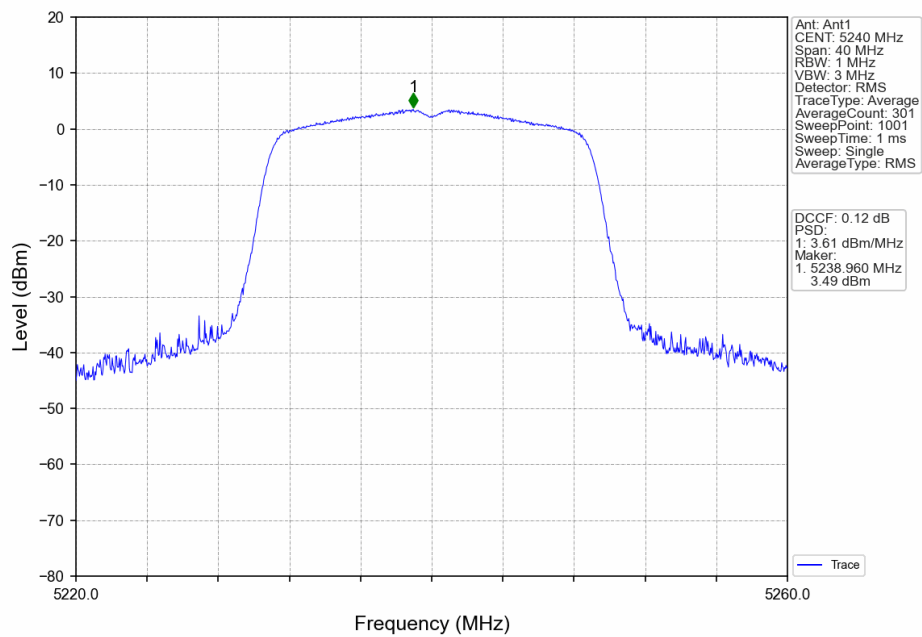
802.11n(HT20) LCH 5180MHz Ant1 NTNV



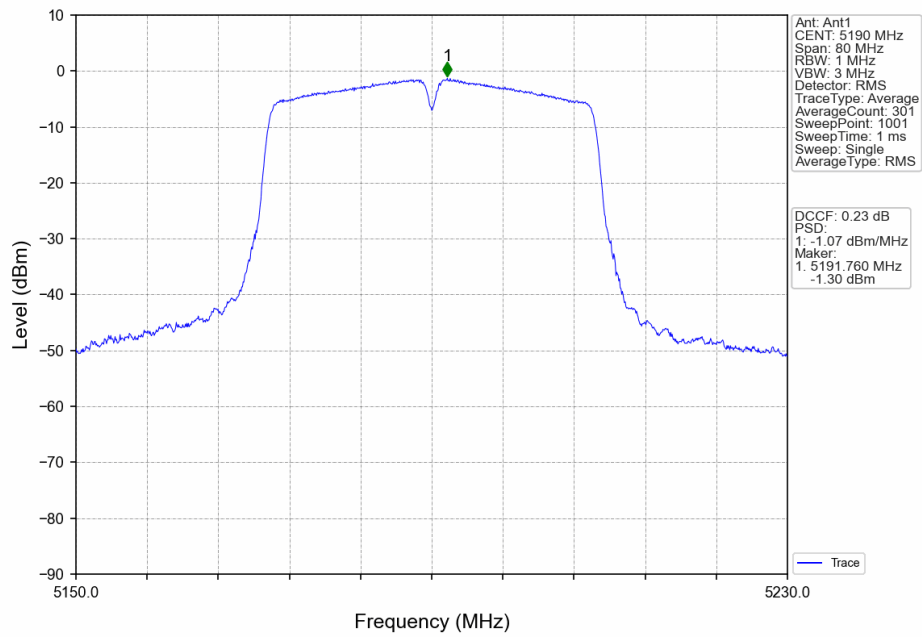
802.11n(HT20) MCH 5200MHz Ant1 NTN



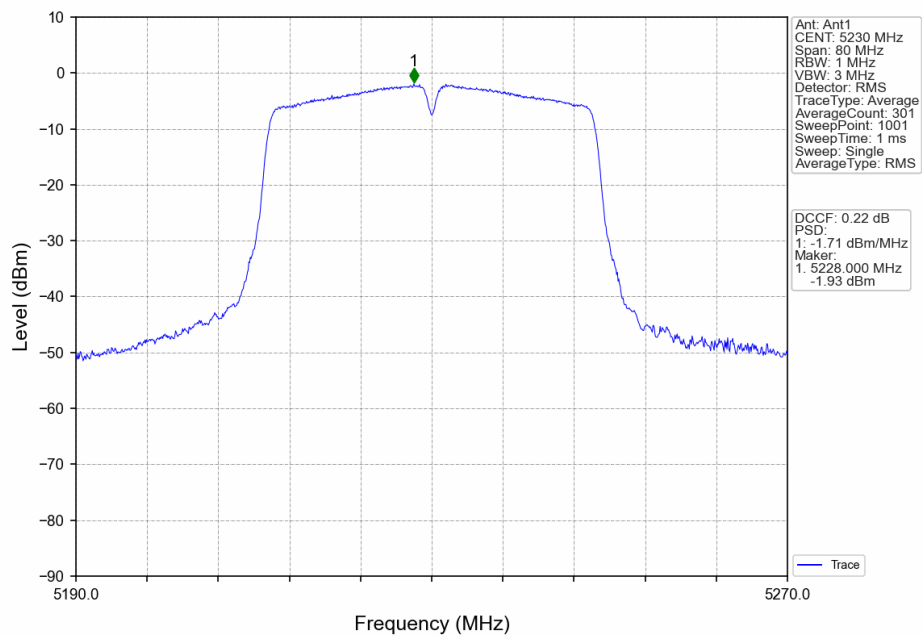
802.11n(HT20) HCH 5240MHz Ant1 NTN



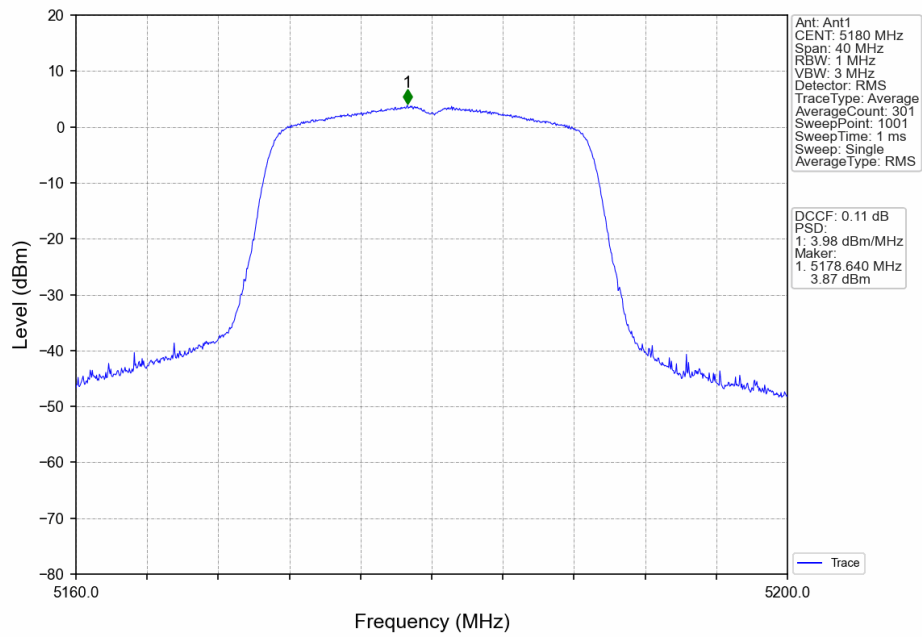
802.11n(HT40) LCH 5190MHz Ant1 NTN



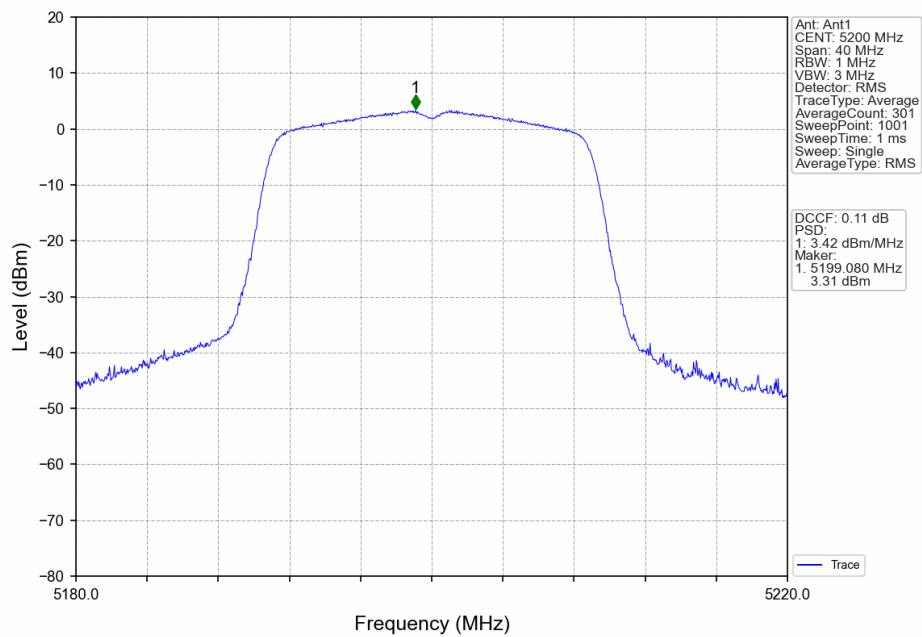
802.11n(HT40) HCH 5230MHz Ant1 NTN



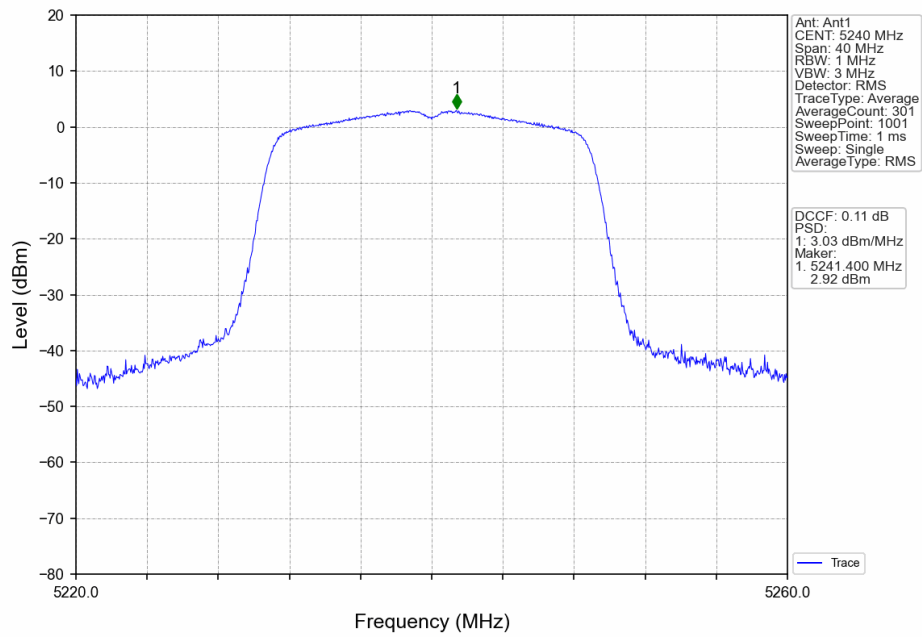
802.11ac(VHT20) LCH 5180MHz Ant1 NTNV



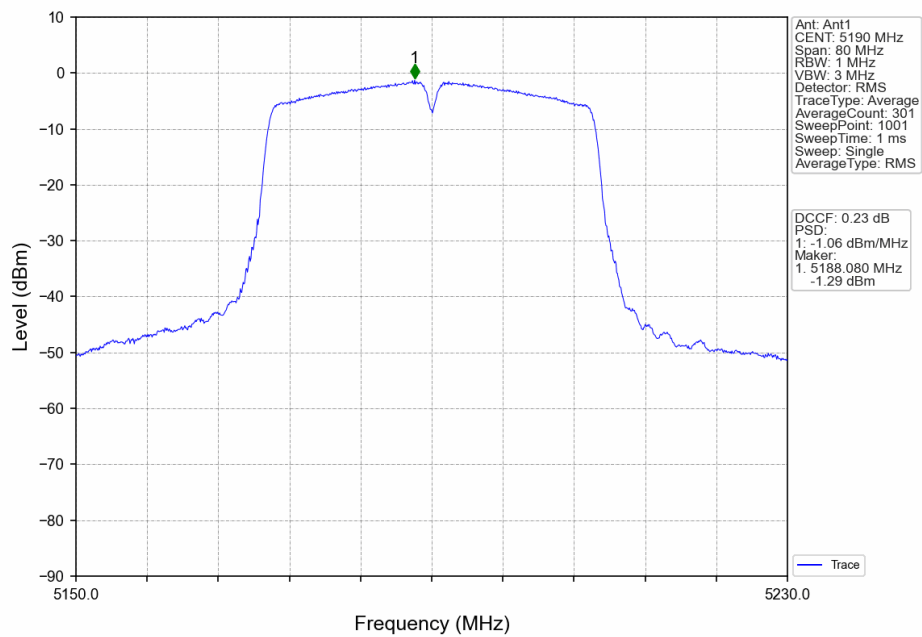
802.11ac(VHT20) MCH 5200MHz Ant1 NTNV



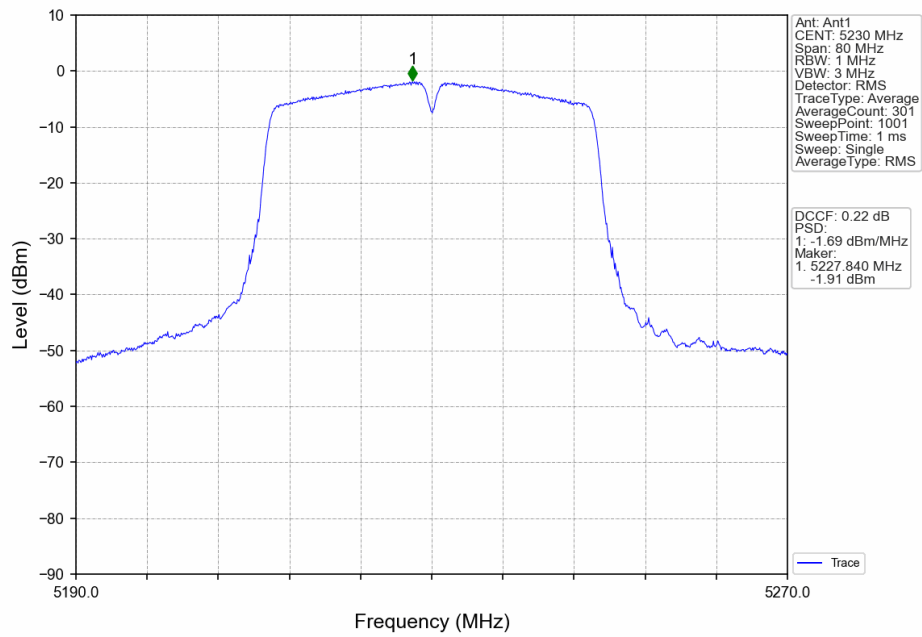
802.11ac(VHT20) HCH 5240MHz Ant1 NTNV



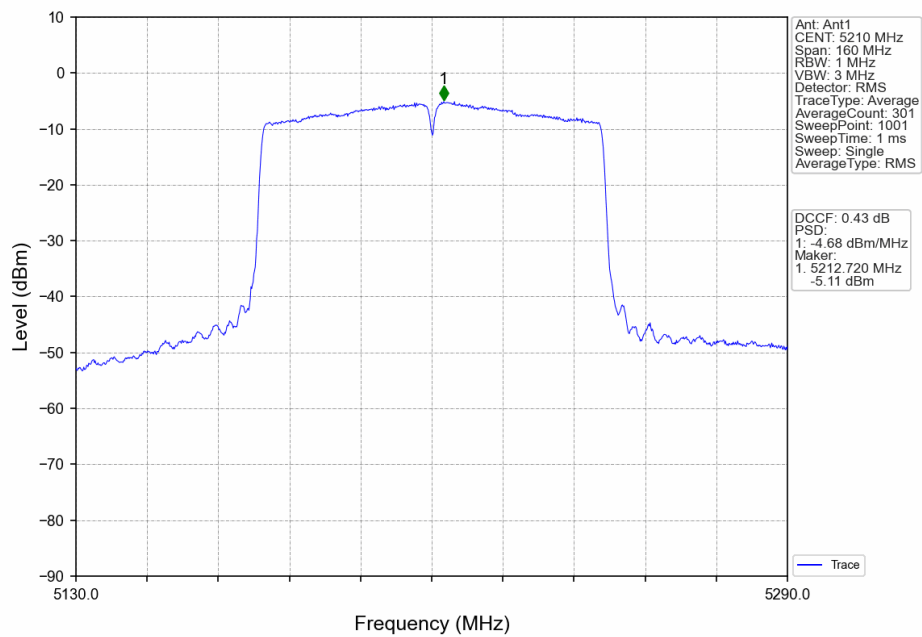
802.11ac(VHT40) LCH 5190MHz Ant1 NTNV



802.11ac(VHT40) HCH 5230MHz Ant1 NTNV



802.11ac(VHT80) MCH 5210MHz Ant1 NTNV



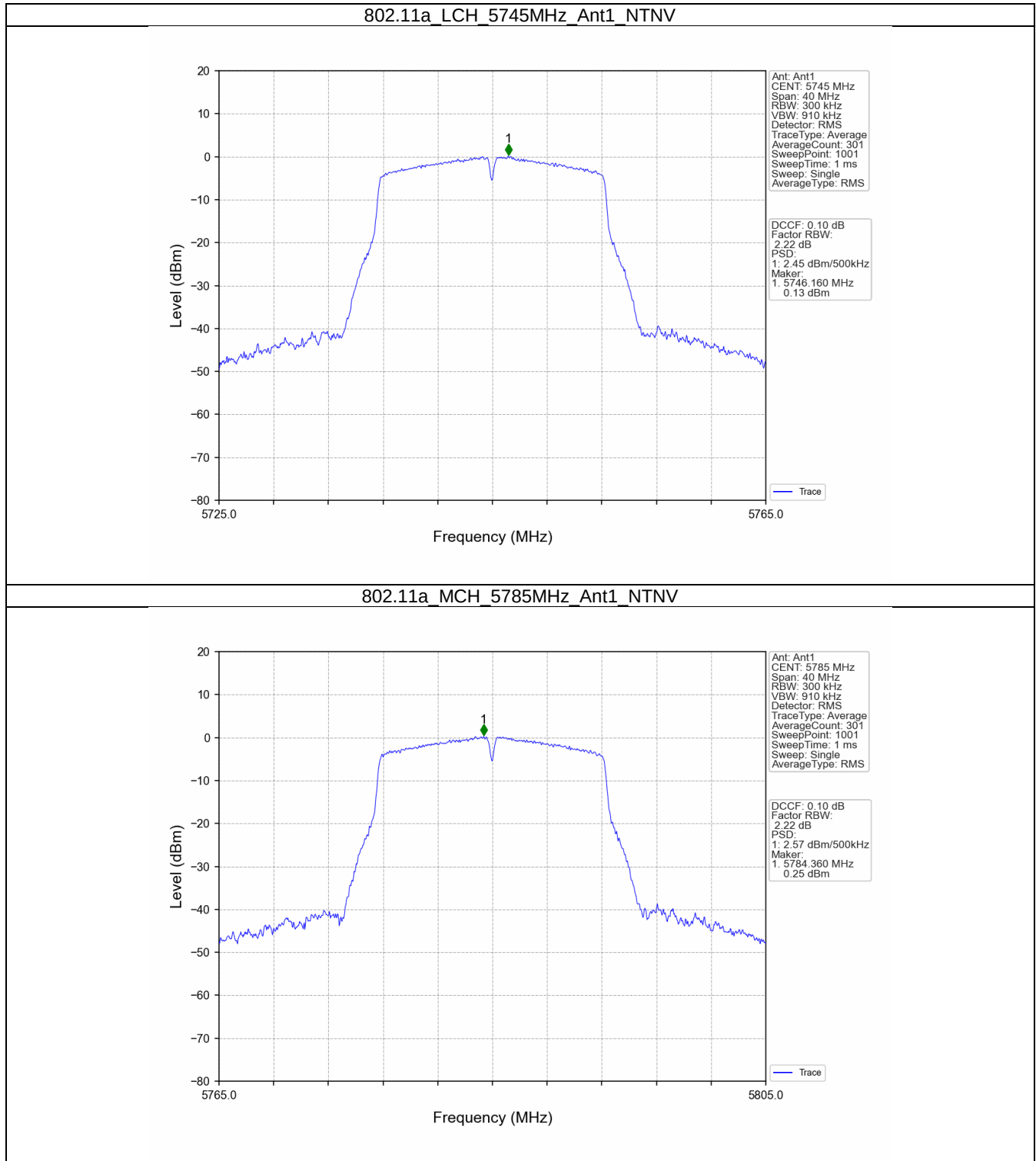
4.2 PSD-Band3

4.2.1 Test Result

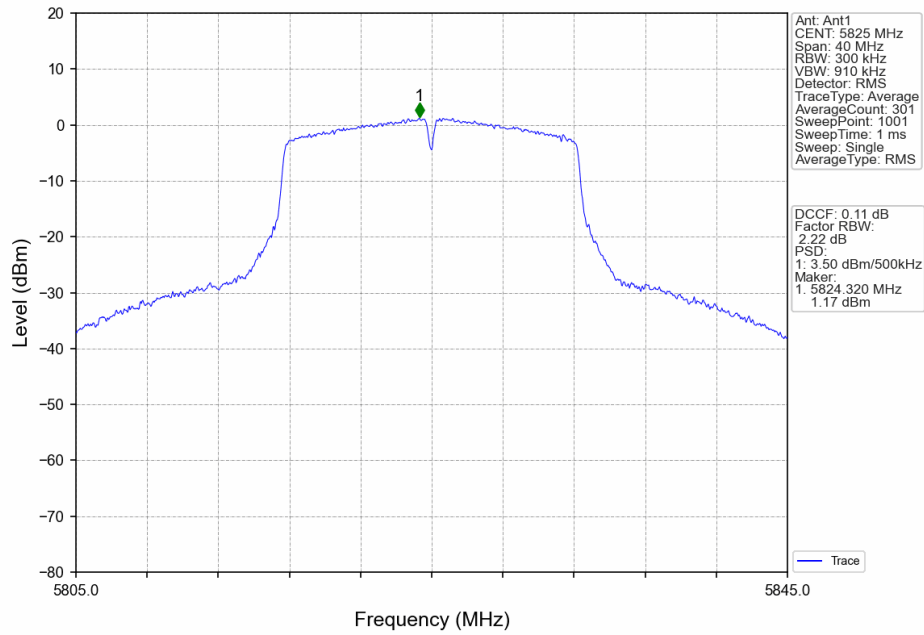
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	2.45	<=30	Pass
		5785	2.57	<=30	Pass
		5825	3.50	<=30	Pass
802.11n (HT20)	SISO	5745	2.07	<=30	Pass
		5785	2.60	<=30	Pass
		5825	1.04	<=30	Pass
802.11n (HT40)	SISO	5755	-2.67	<=30	Pass
		5795	-2.78	<=30	Pass
802.11ac (VHT20)	SISO	5745	2.11	<=30	Pass
		5785	2.17	<=30	Pass
		5825	1.06	<=30	Pass
802.11ac (VHT40)	SISO	5755	-2.64	<=30	Pass
		5795	-2.91	<=30	Pass
802.11ac (VHT80)	SISO	5775	-5.75	<=30	Pass

Note1: Antenna Gain: Ant1: 4.36dBi;

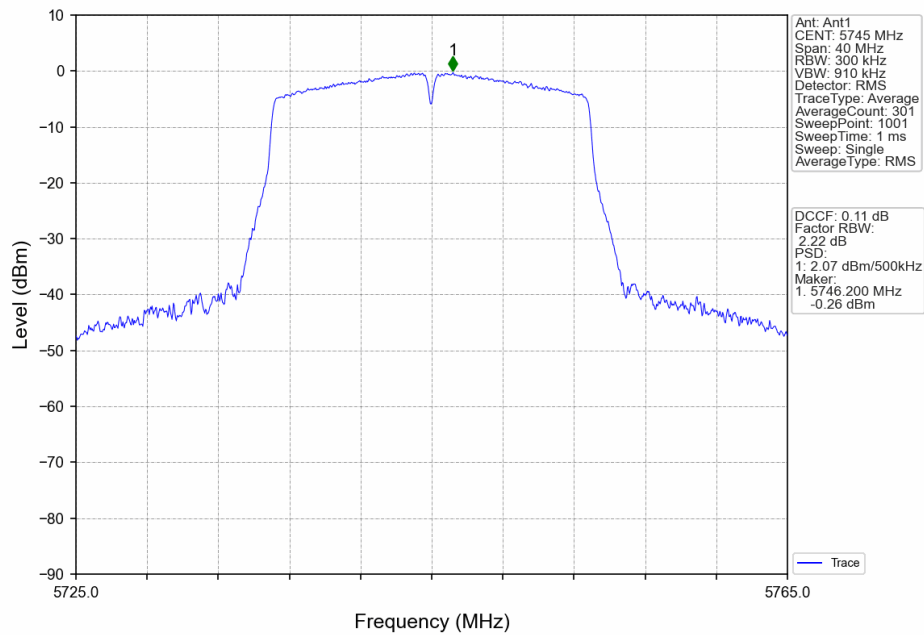
4.2.2 Test Graph



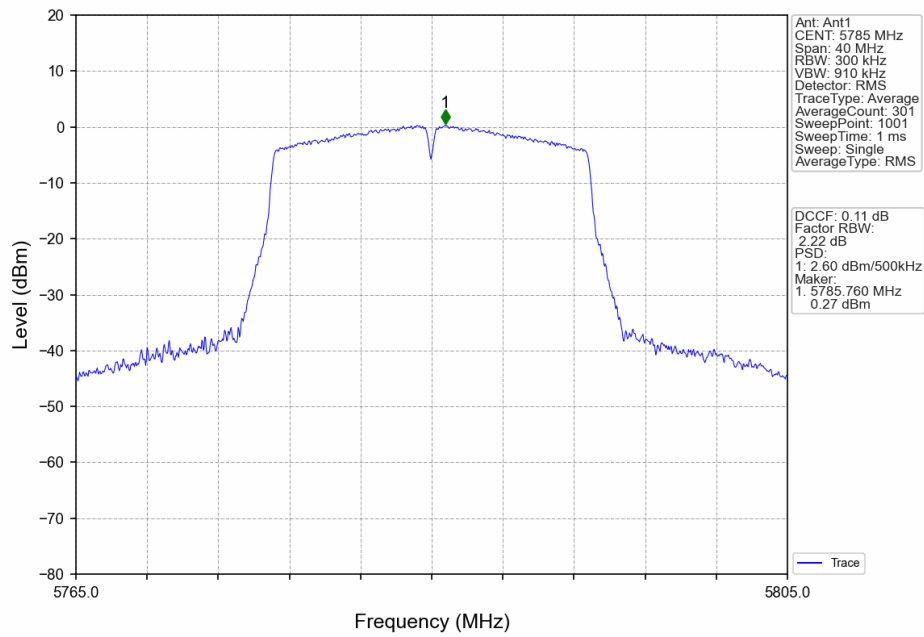
802.11a HCH 5825MHz Ant1 NTV



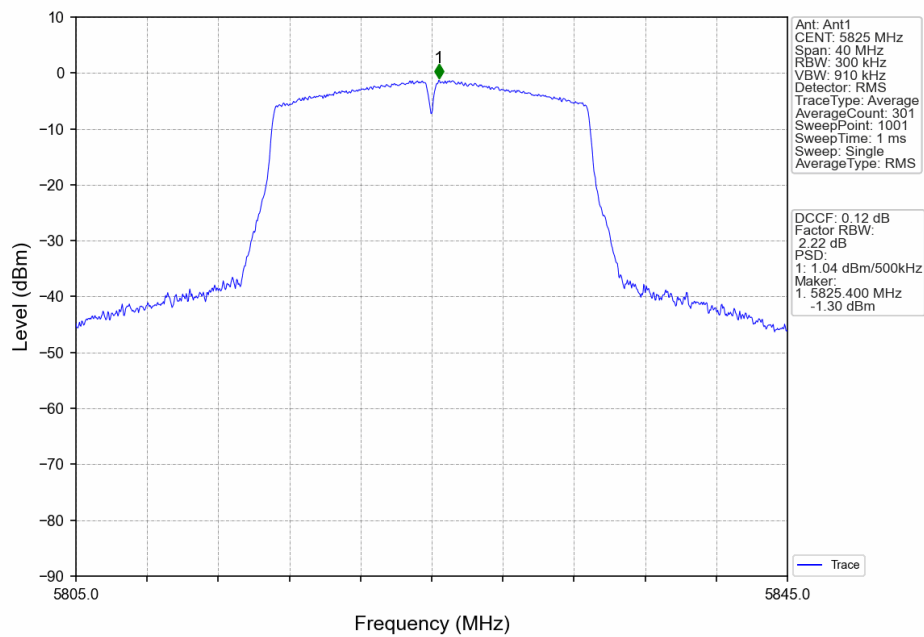
802.11n(HT20) LCH 5745MHz Ant1 NTV



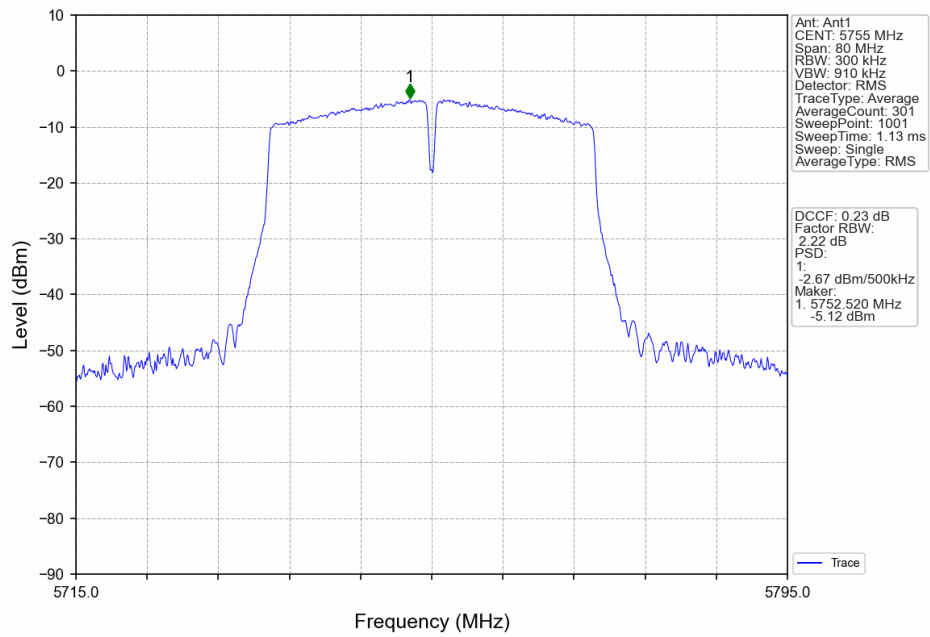
802.11n(HT20) MCH 5785MHz Ant1 NTN



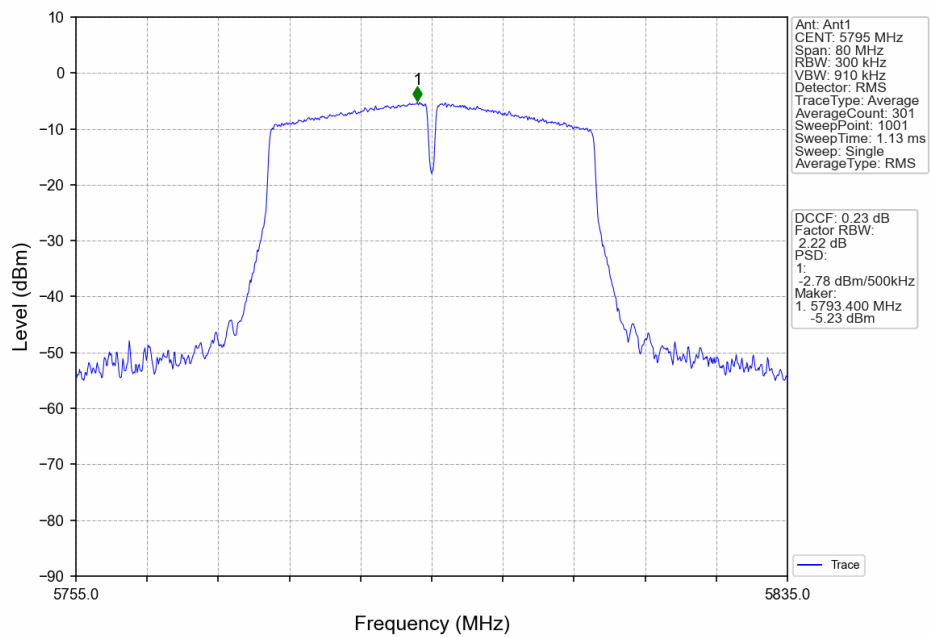
802.11n(HT20) HCH 5825MHz Ant1 NTN



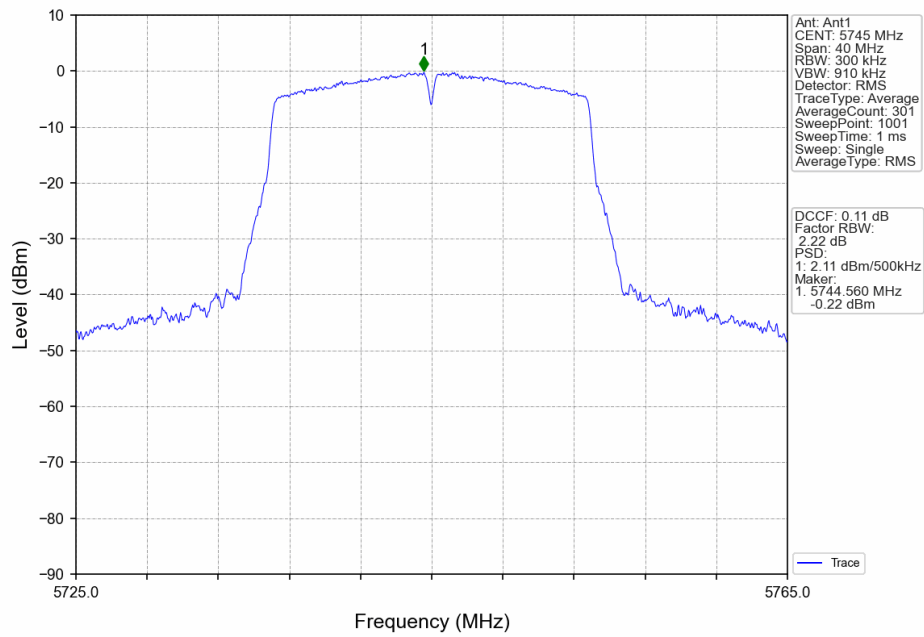
802.11n(HT40) LCH 5755MHz Ant1 NTN



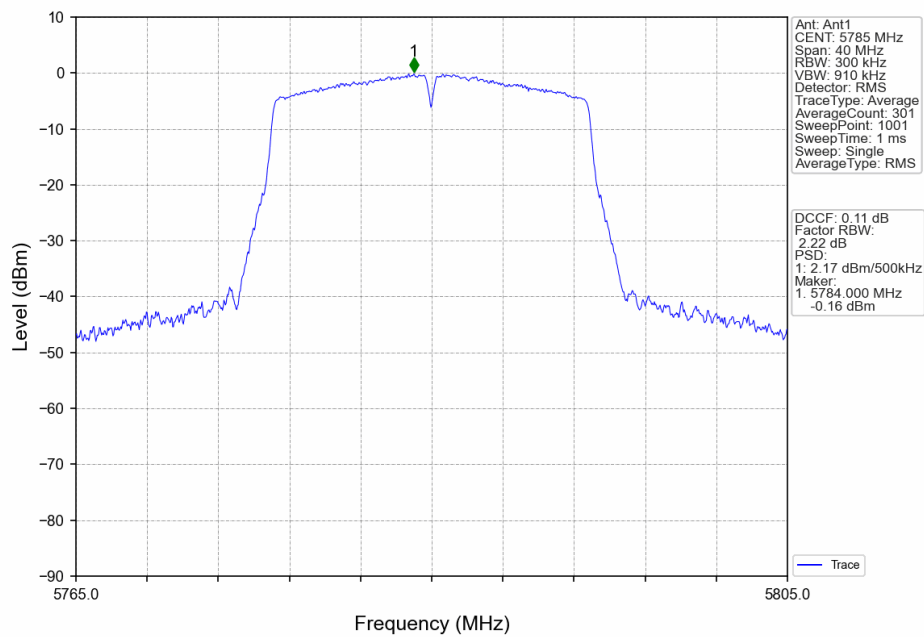
802.11n(HT40) HCH 5795MHz Ant1 NTN



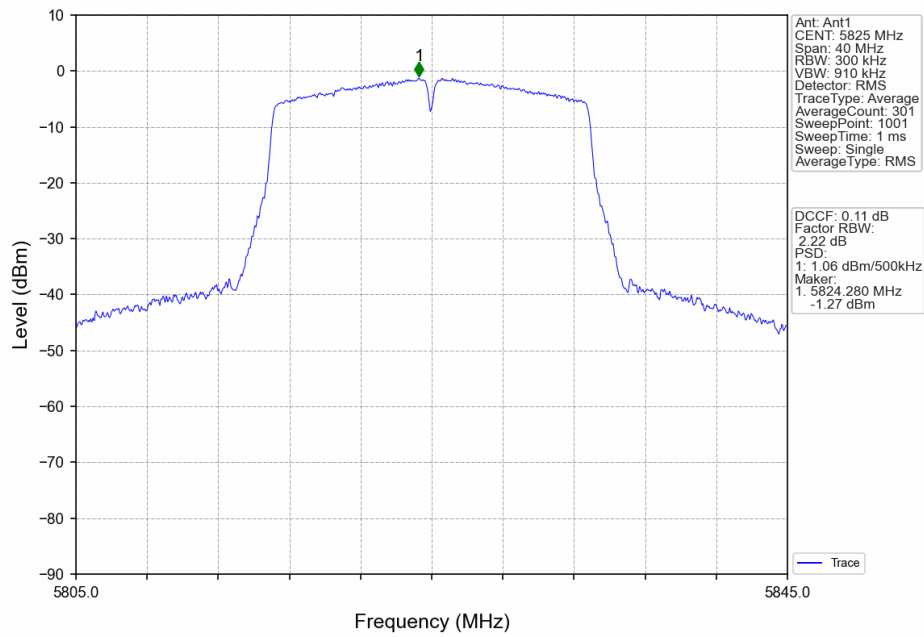
802.11ac(VHT20) LCH 5745MHz Ant1 NTN



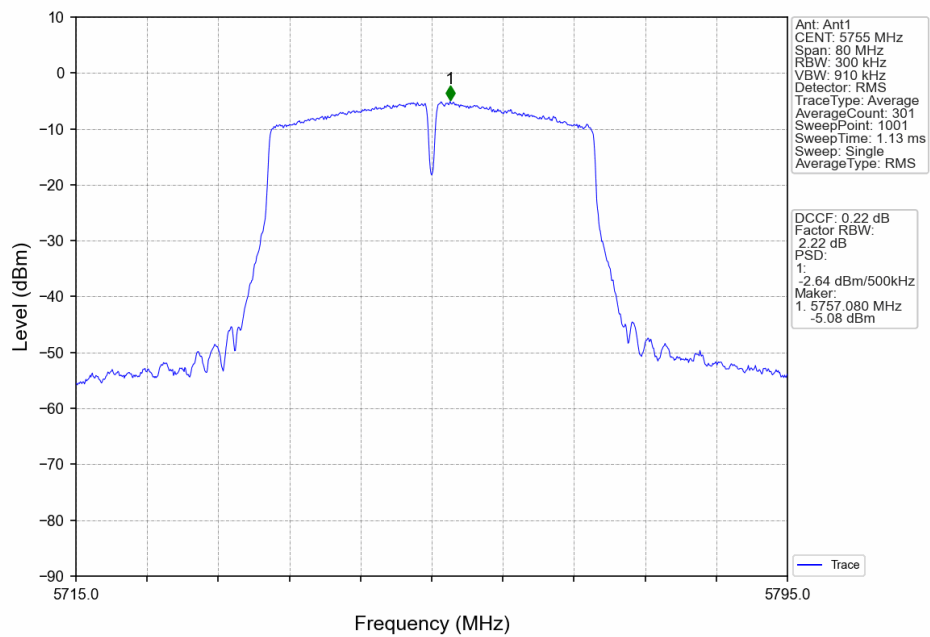
802.11ac(VHT20) MCH 5785MHz Ant1 NTN



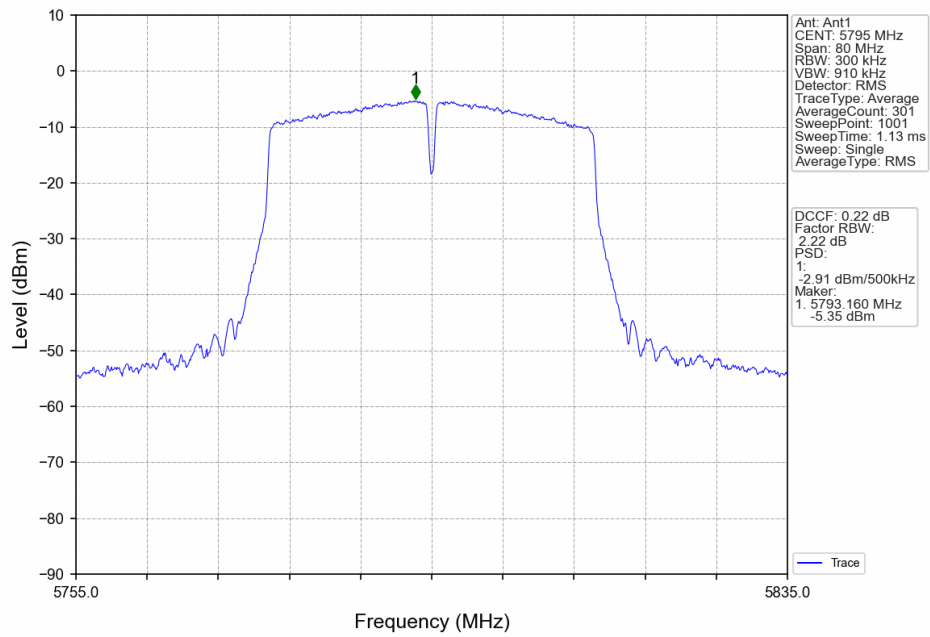
802.11ac(VHT20) HCH 5825MHz Ant1 NTNV



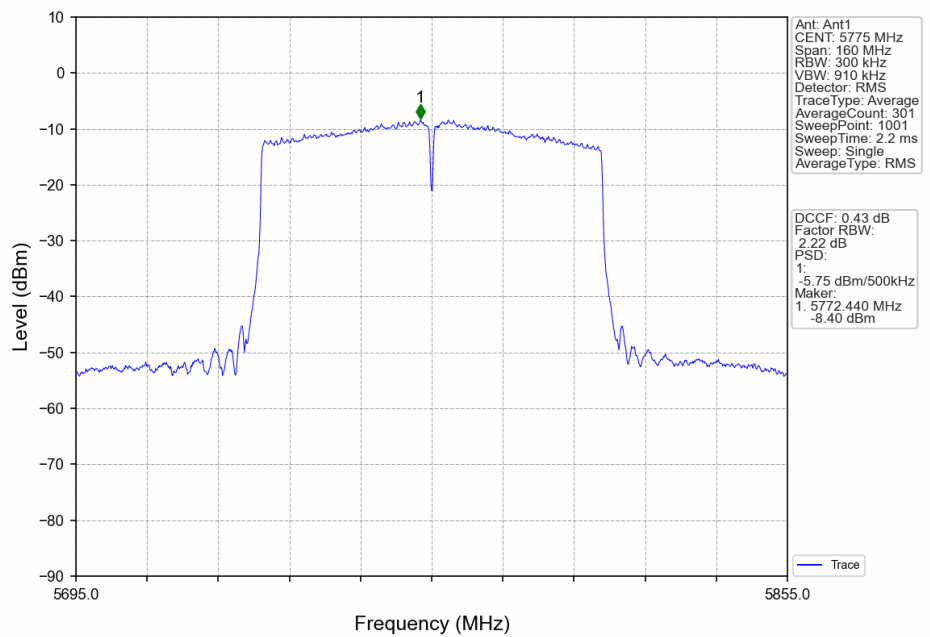
802.11ac(VHT40) LCH 5755MHz Ant1 NTNV



802.11ac(VHT40) HCH 5795MHz Ant1 NTNV



802.11ac(VHT80) MCH 5775MHz Ant1 NTNV



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
Carrier Wave	SISO	5180	20	102	5179.918	5150 to 5250	Pass
				120	5179.918	5150 to 5250	Pass
				138	5179.918	5150 to 5250	Pass
			-30	120	5179.918	5150 to 5250	Pass
			-20	120	5179.918	5150 to 5250	Pass
			-10	120	5179.918	5150 to 5250	Pass
			0	120	5179.918	5150 to 5250	Pass
			10	120	5179.918	5150 to 5250	Pass
			30	120	5179.917	5150 to 5250	Pass
			40	120	5179.917	5150 to 5250	Pass
			50	120	5179.917	5150 to 5250	Pass
		5200	20	102	5199.916	5150 to 5250	Pass
				120	5199.916	5150 to 5250	Pass
				138	5199.916	5150 to 5250	Pass
			-30	120	5199.916	5150 to 5250	Pass
			-20	120	5199.916	5150 to 5250	Pass
			-10	120	5199.916	5150 to 5250	Pass
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			40	120	5199.916	5150 to 5250	Pass
			50	120	5199.916	5150 to 5250	Pass
		5240	20	102	5239.916	5150 to 5250	Pass
				120	5239.916	5150 to 5250	Pass
				138	5239.916	5150 to 5250	Pass
			-30	120	5239.915	5150 to 5250	Pass
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			-10	120	5239.916	5150 to 5250	Pass
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			10	120	5239.915	5150 to 5250	Pass
			30	120	5239.915	5150 to 5250	Pass
			40	120	5239.915	5150 to 5250	Pass
			50	120	5239.915	5150 to 5250	Pass
		5745	20	102	5744.908	5725 to 5850	Pass
				120	5744.907	5725 to 5850	Pass
				138	5744.907	5725 to 5850	Pass
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			10	120	5744.907	5725 to 5850	Pass
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			40	120	5744.907	5725 to 5850	Pass
			50	120	5744.907	5725 to 5850	Pass
		5785	20	102	5784.907	5725 to 5850	Pass
				120	5784.907	5725 to 5850	Pass

				138	5784.907	5725 to 5850	Pass
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			50	120	5784.907	5725 to 5850	Pass
		5825	20	102	5824.906	5725 to 5850	Pass
				120	5824.906	5725 to 5850	Pass
				138	5824.906	5725 to 5850	Pass
			-30	120	5824.906	5725 to 5850	Pass
			-20	120	5824.906	5725 to 5850	Pass
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			40	120	5824.906	5725 to 5850	Pass
			50	120	5824.906	5725 to 5850	Pass
		5190	20	102	5189.920	5150 to 5250	Pass
				120	5189.920	5150 to 5250	Pass
				138	5189.919	5150 to 5250	Pass
			-30	120	5189.919	5150 to 5250	Pass
			-20	120	5189.919	5150 to 5250	Pass
			-10	120	5189.919	5150 to 5250	Pass
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			10	120	5189.918	5150 to 5250	Pass
			30	120	5189.918	5150 to 5250	Pass
			40	120	5189.918	5150 to 5250	Pass
			50	120	5189.918	5150 to 5250	Pass
		5230	20	102	5229.916	5150 to 5250	Pass
				120	5229.916	5150 to 5250	Pass
				138	5229.916	5150 to 5250	Pass
			-30	120	5229.916	5150 to 5250	Pass
			-20	120	5229.916	5150 to 5250	Pass
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			40	120	5229.916	5150 to 5250	Pass
			50	120	5229.916	5150 to 5250	Pass
		5755	20	102	5754.909	5725 to 5850	Pass
				120	5754.908	5725 to 5850	Pass
				138	5754.908	5725 to 5850	Pass
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			-20	120	5754.908	5725 to 5850	Pass
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		5795	20	102	5794.908	5725 to 5850	Pass
				120	5794.907	5725 to 5850	Pass
				138	5794.907	5725 to 5850	Pass
			-30	120	5794.907	5725 to 5850	Pass
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			40	120	5794.907	5725 to 5850	Pass
			50	120	5794.907	5725 to 5850	Pass
		5210	20	102	5209.916	5150 to 5250	Pass
				120	5209.916	5150 to 5250	Pass
				138	5209.916	5150 to 5250	Pass
			-30	120	5209.916	5150 to 5250	Pass
			-20	120	5209.916	5150 to 5250	Pass
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			0	120	5209.916	5150 to 5250	Pass
			10	120	5209.916	5150 to 5250	Pass
			30	120	5209.916	5150 to 5250	Pass
			40	120	5209.916	5150 to 5250	Pass
			50	120	5209.916	5150 to 5250	Pass
		5775	20	102	5774.907	5725 to 5850	Pass
				120	5774.907	5725 to 5850	Pass
				138	5774.907	5725 to 5850	Pass
			-30	120	5774.907	5725 to 5850	Pass
			-20	120	5774.907	5725 to 5850	Pass
			-10	120	5774.907	5725 to 5850	Pass
			0	120	5774.907	5725 to 5850	Pass
			10	120	5774.907	5725 to 5850	Pass
			30	120	5774.907	5725 to 5850	Pass
			40	120	5774.907	5725 to 5850	Pass
			50	120	5774.907	5725 to 5850	Pass