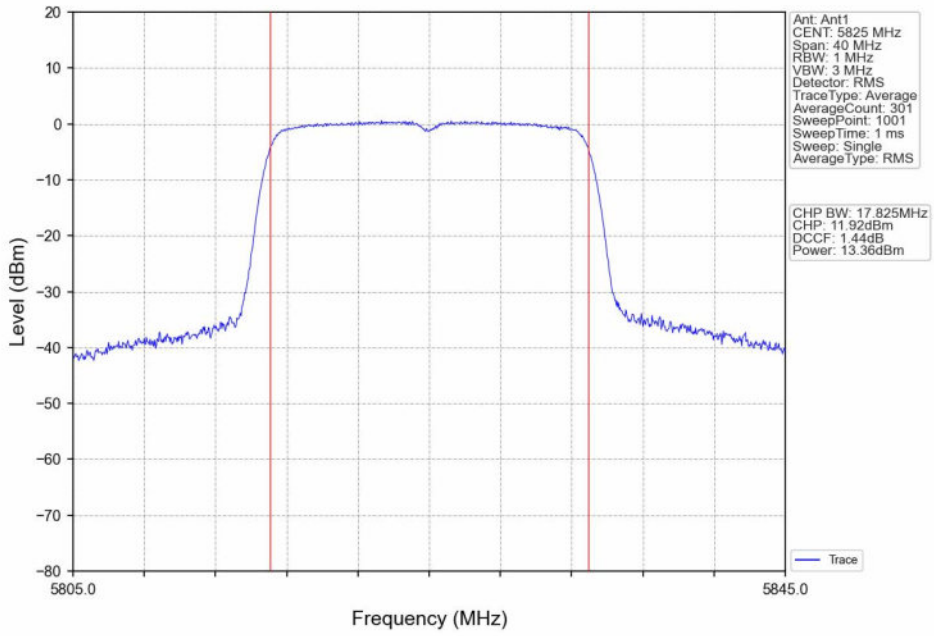
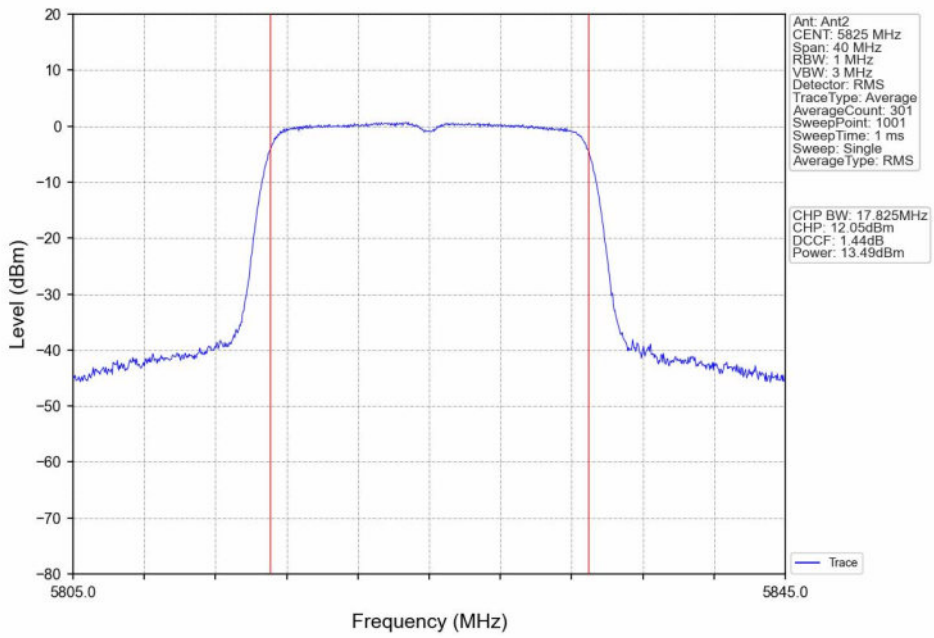
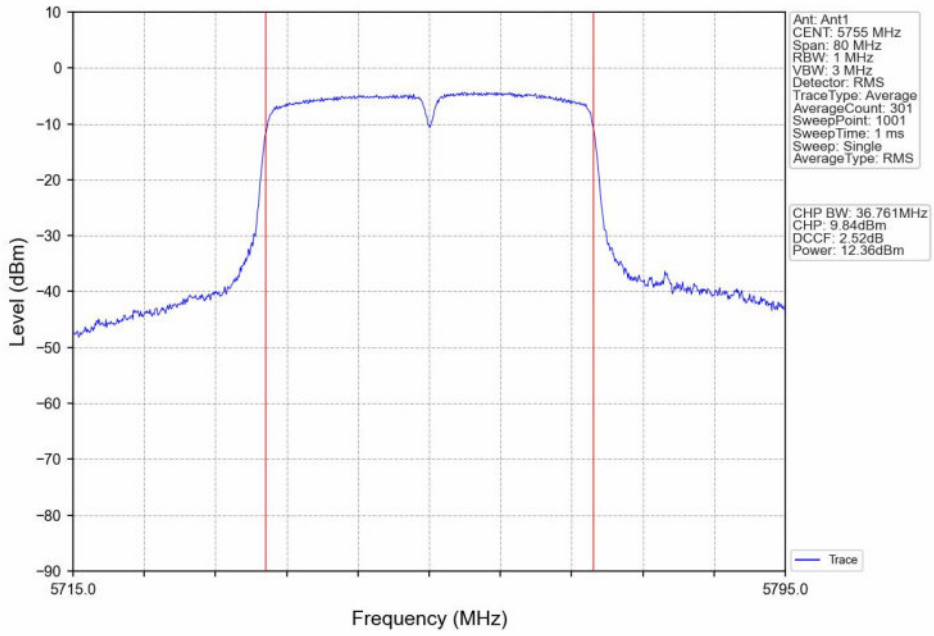
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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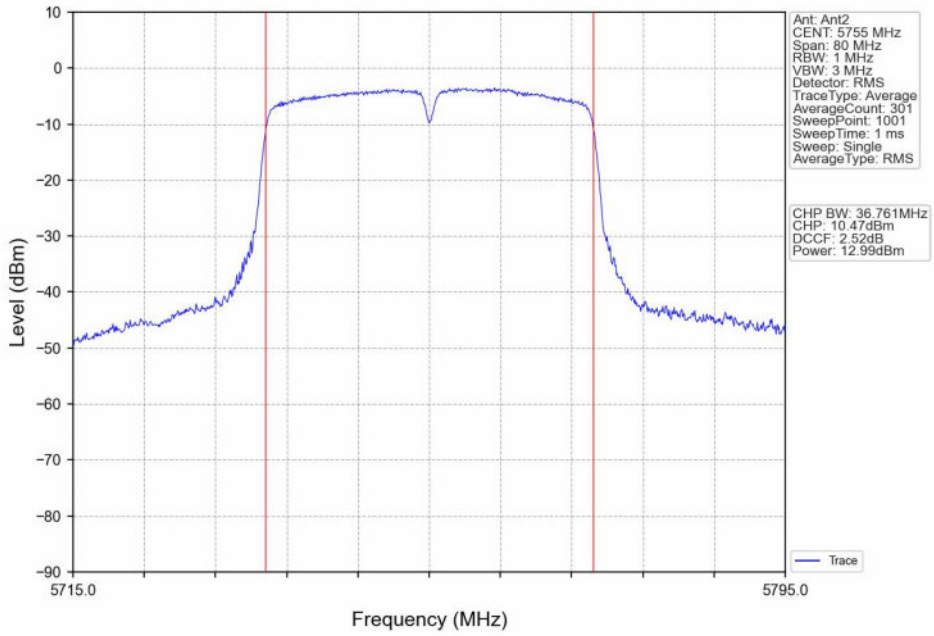
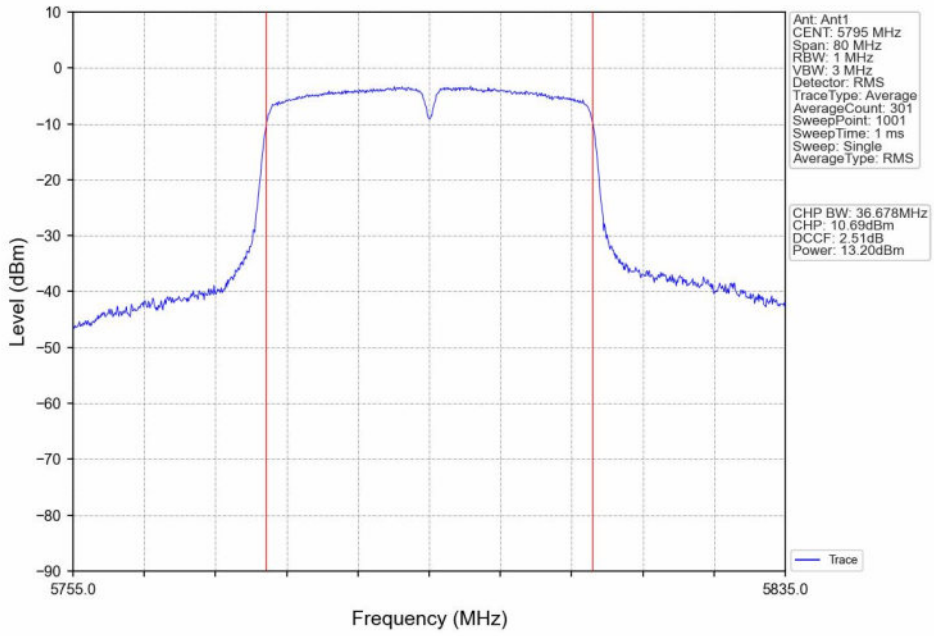


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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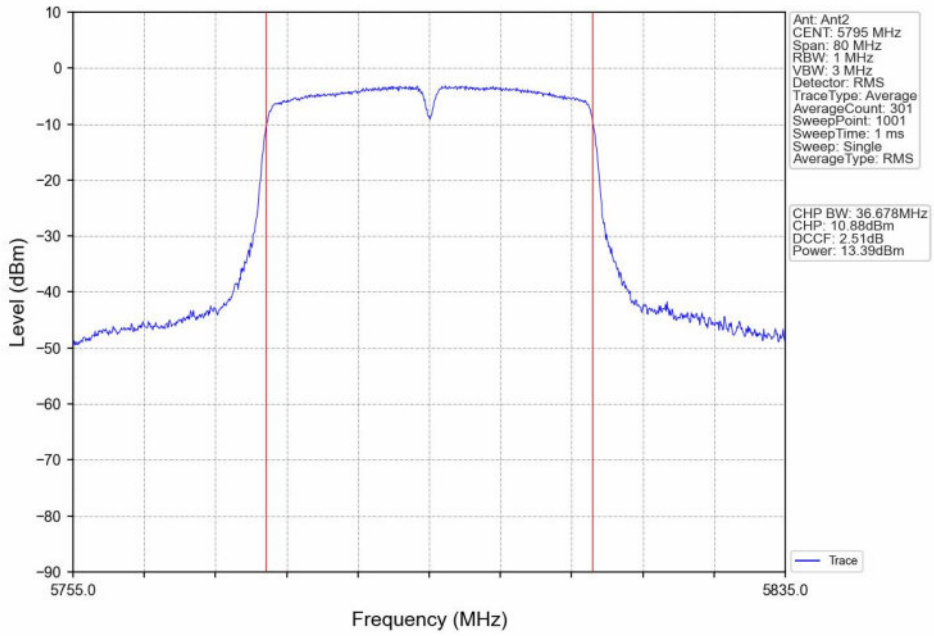
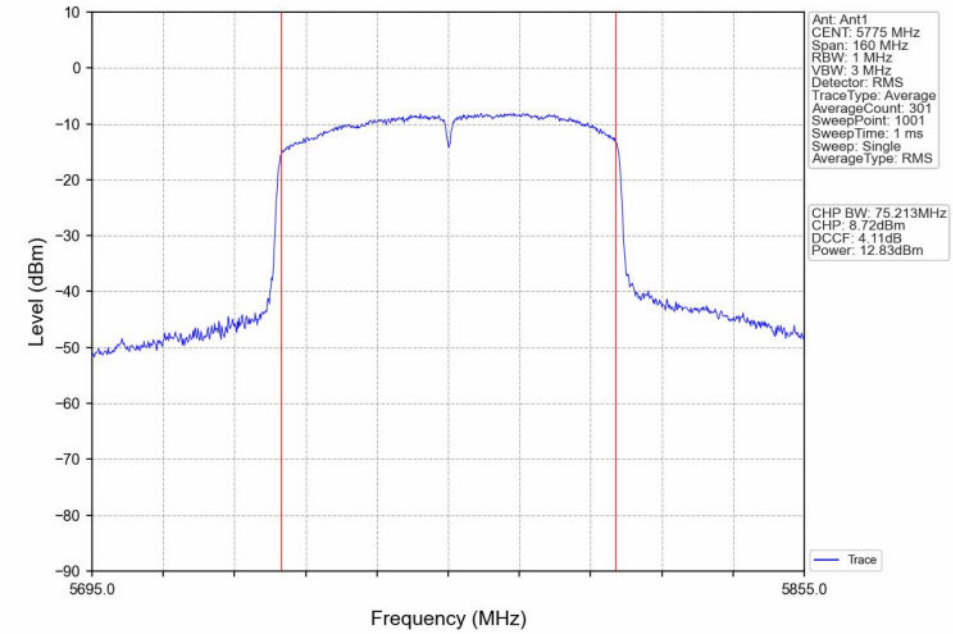


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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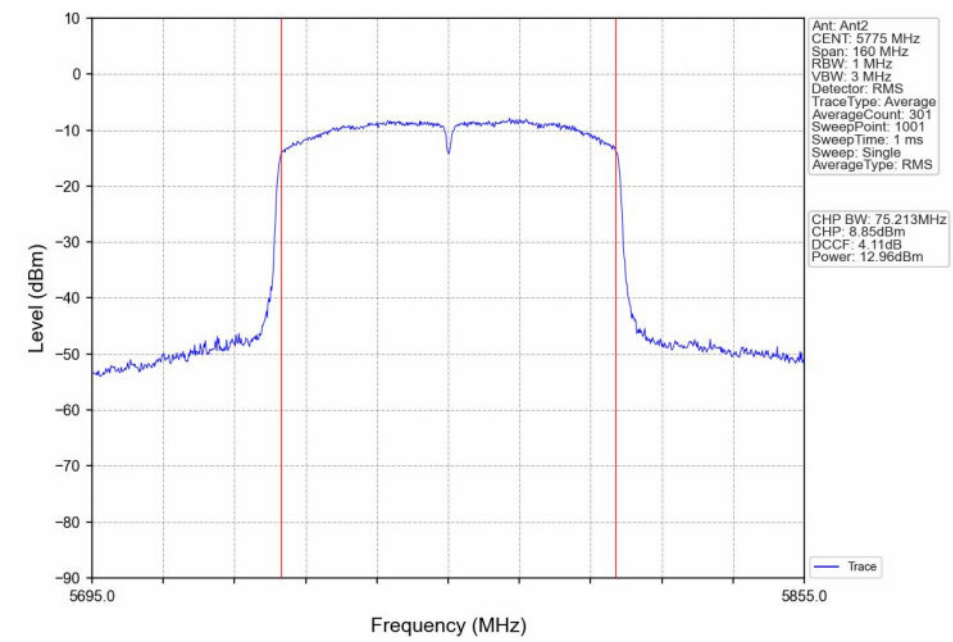

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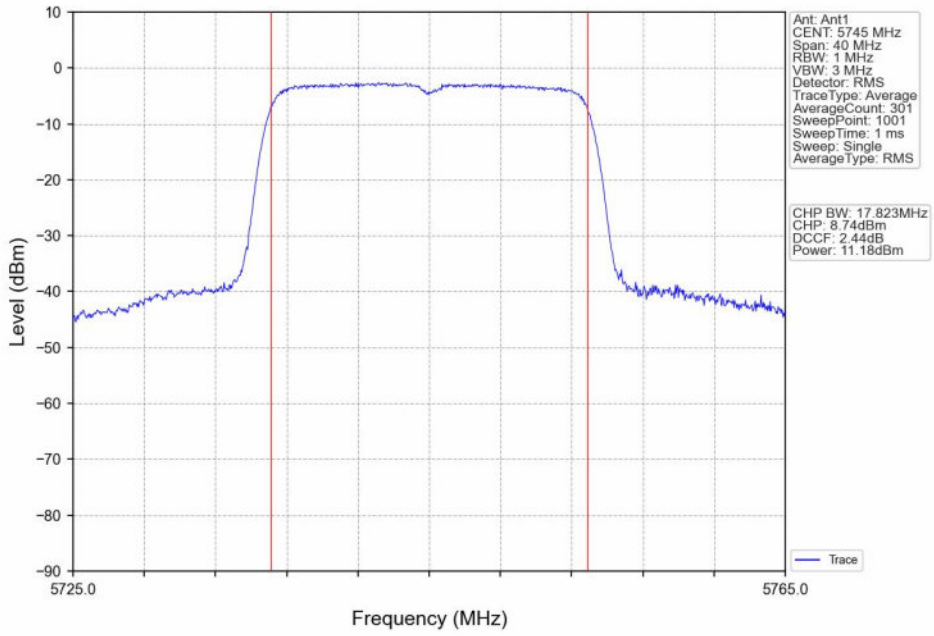

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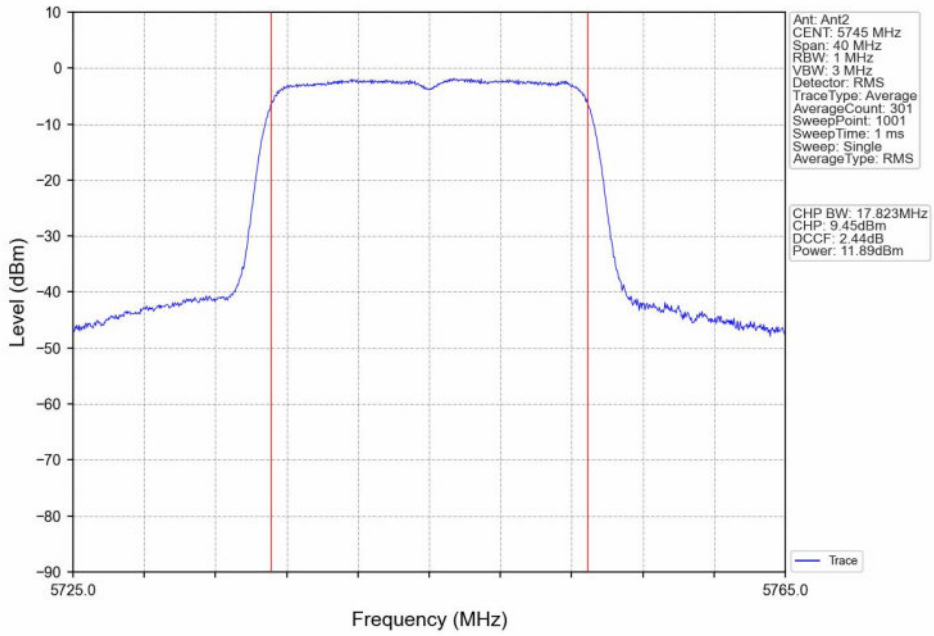
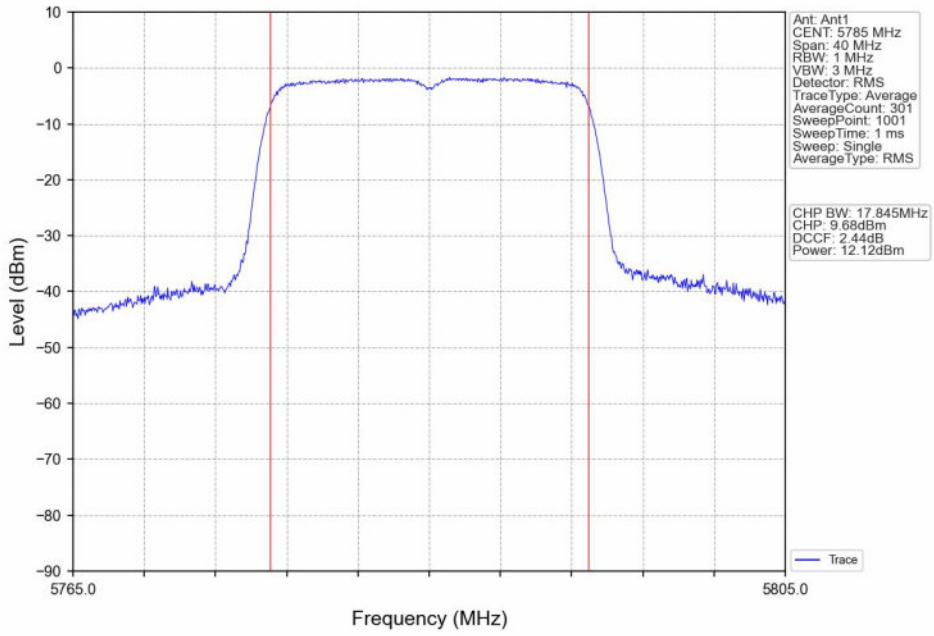
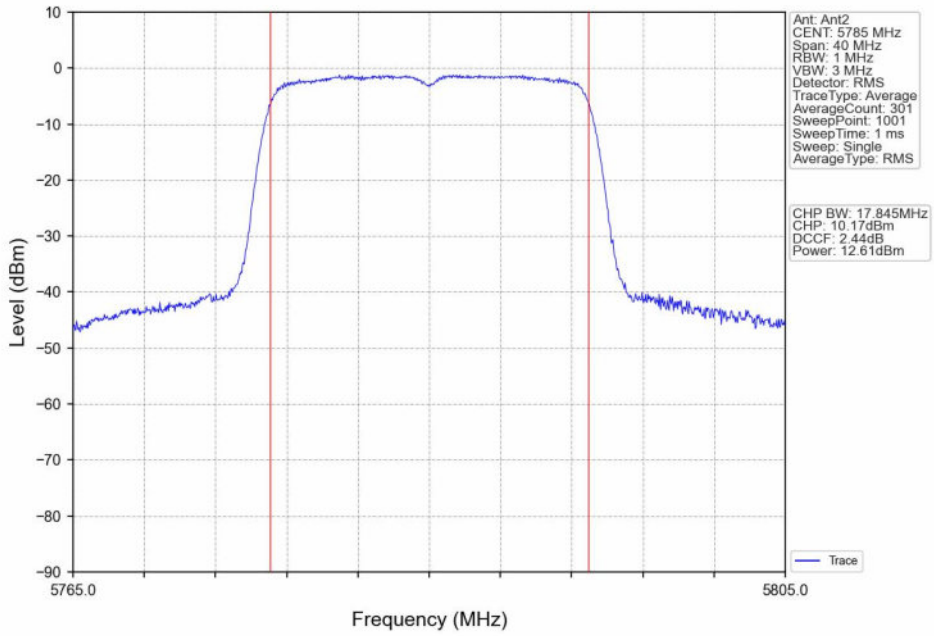


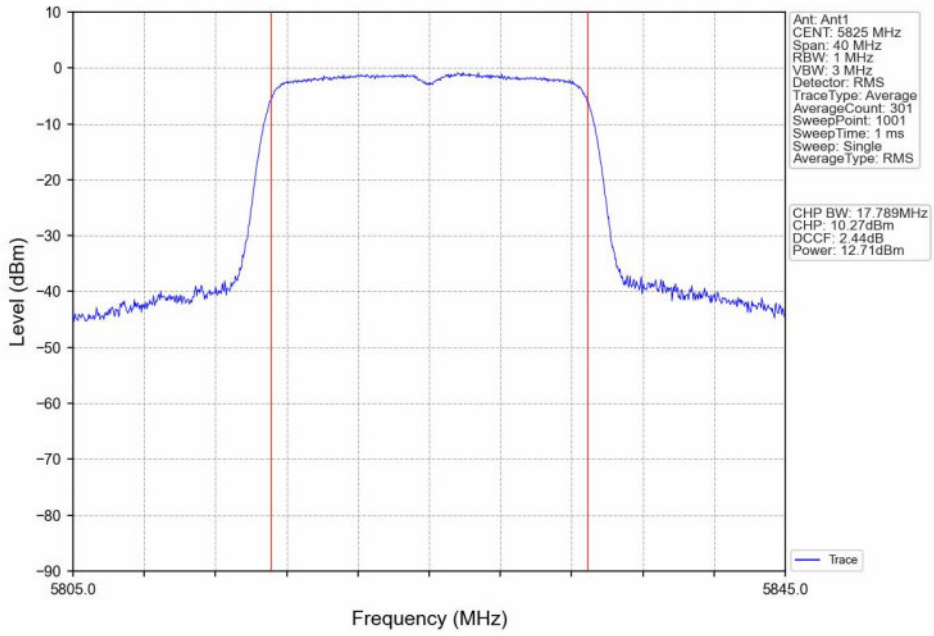
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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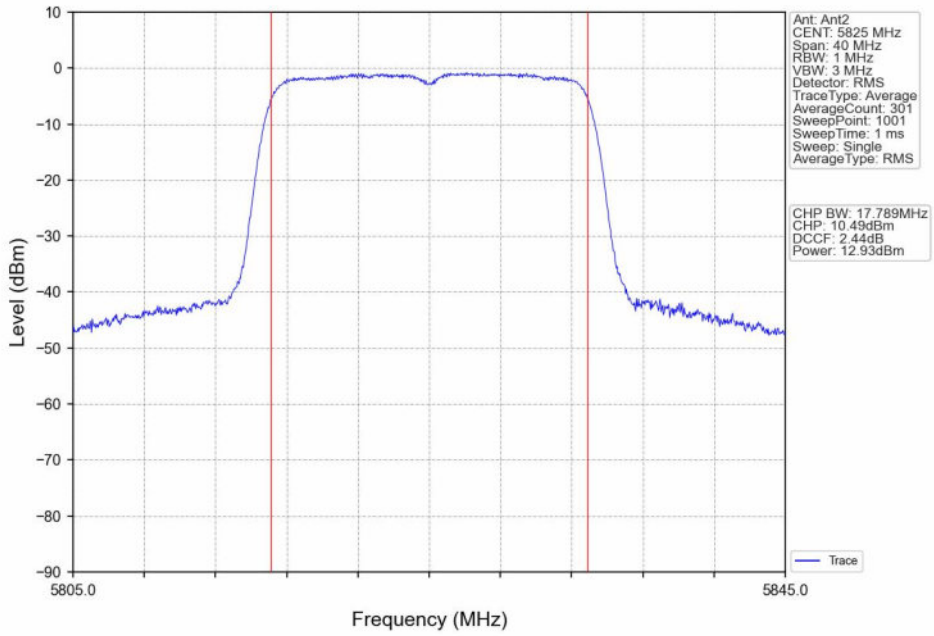
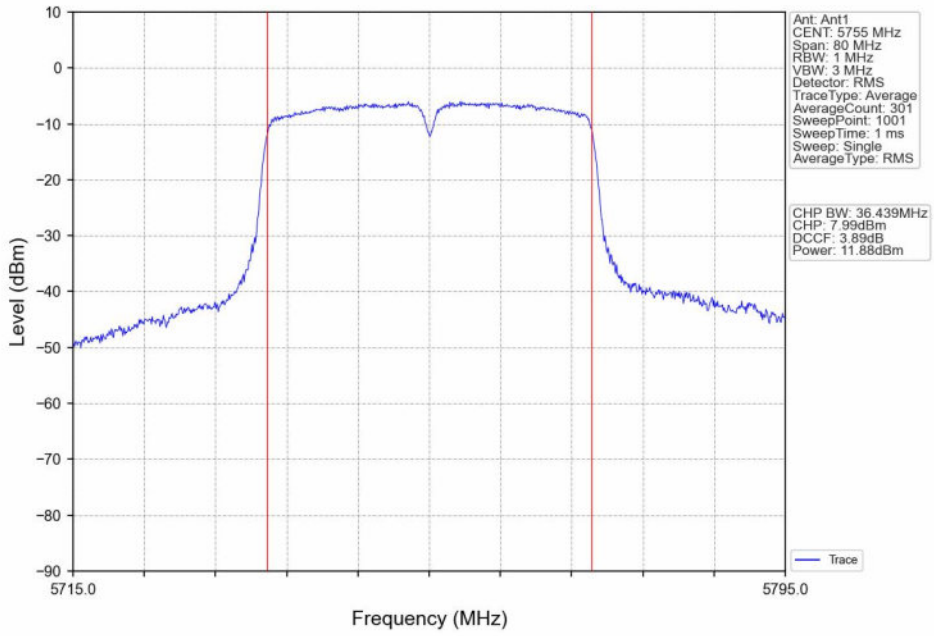


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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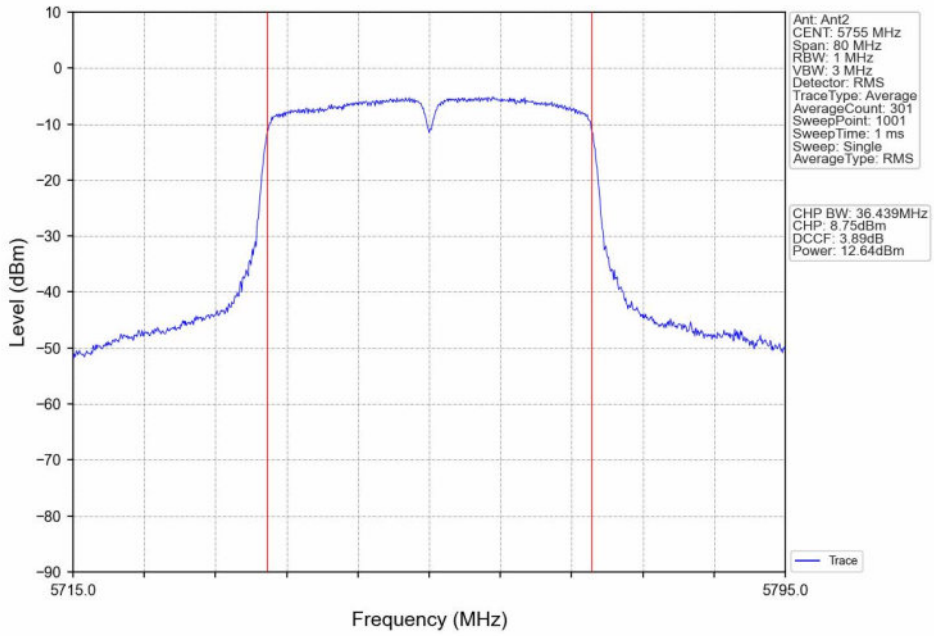

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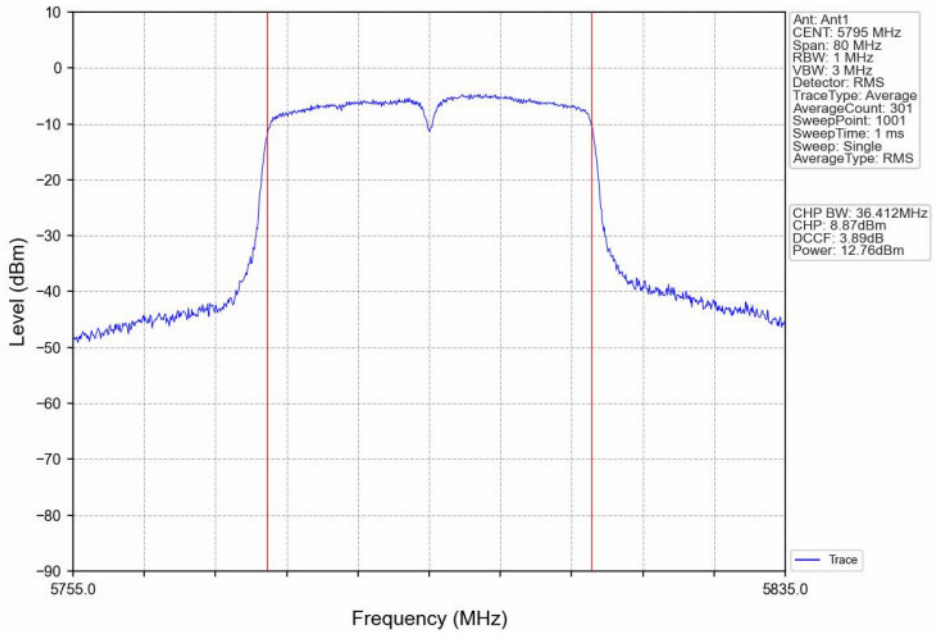

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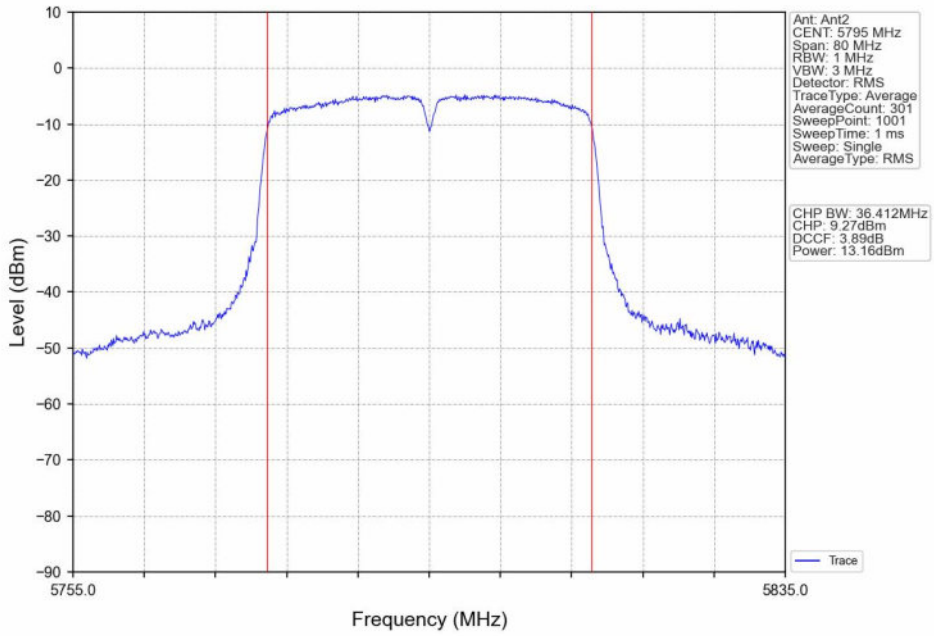
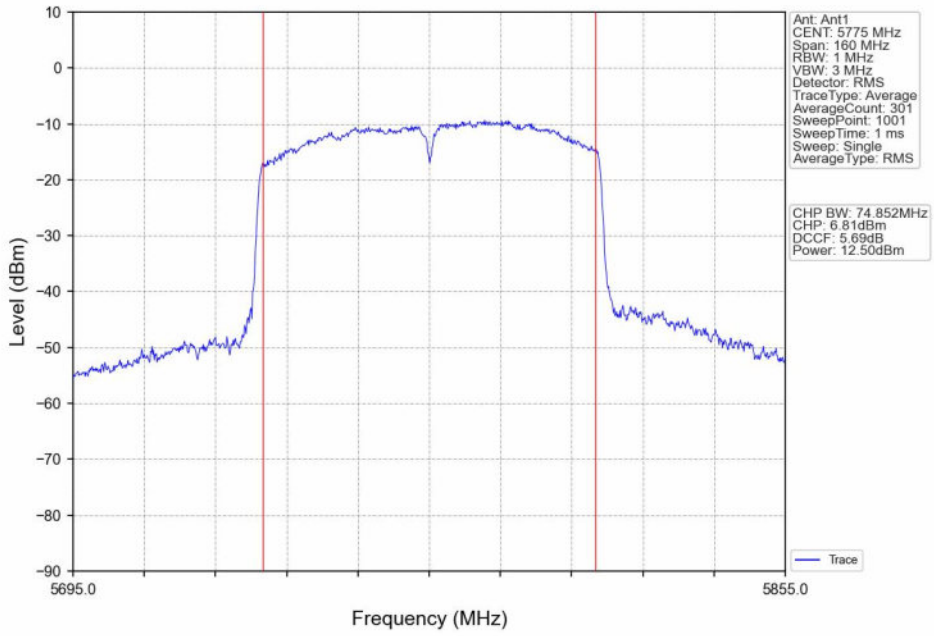
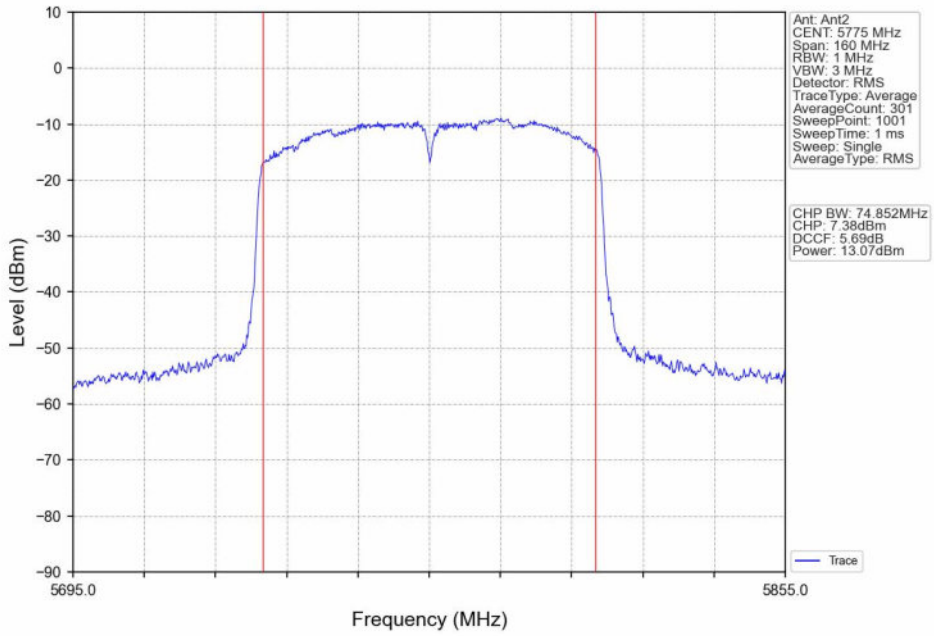


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



3. Maximum Power Spectral Density

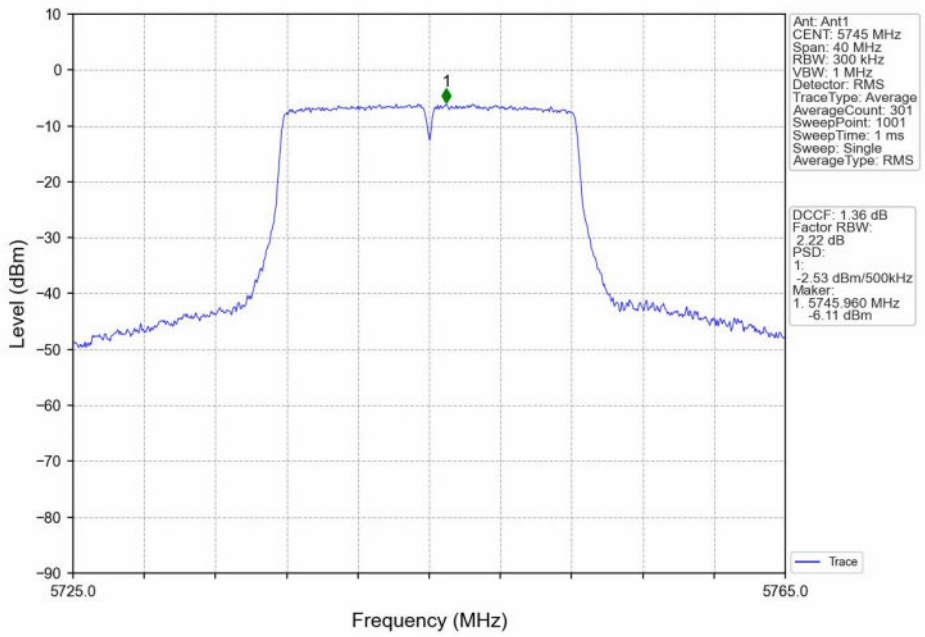
3.1 PSD-Band3

3.1.1 Test Result

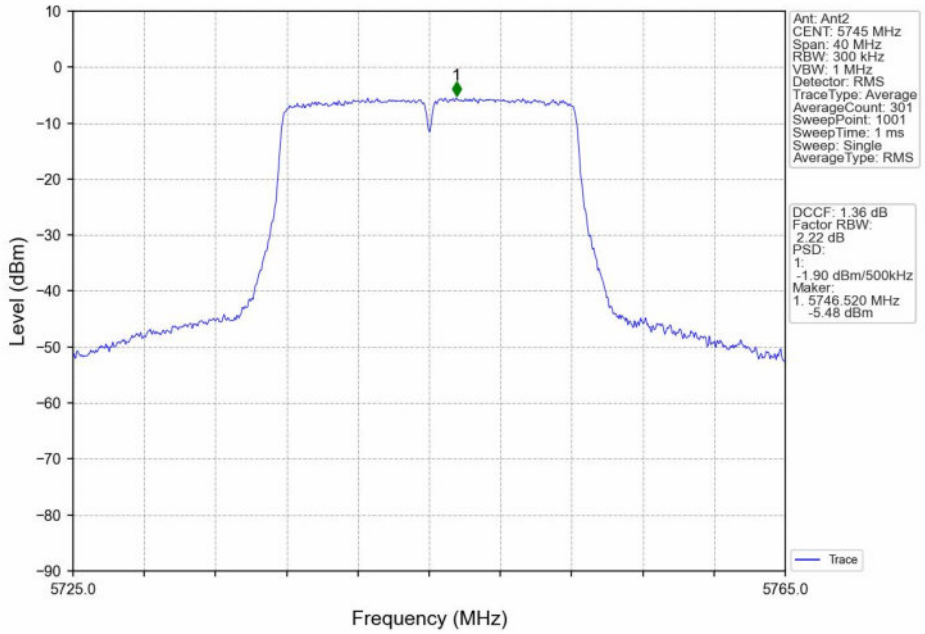
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-2.53	-1.90	/	<=30	Pass
		5785	-1.06	-1.51	/	<=30	Pass
		5825	-0.98	-0.66	/	<=30	Pass
802.11n (HT20)	SISO	5745	-2.49	-2.51	/	<=30	Pass
		5785	-1.47	-1.65	/	<=30	Pass
		5825	-0.87	-1.49	/	<=30	Pass
802.11n (HT40)	SISO	5755	-4.53	-4.49	/	<=30	Pass
		5795	-3.39	-4.14	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-3.67	-3.29	-0.68	<=29.77	Pass
		5785	-2.59	-2.97	0.08	<=29.77	Pass
		5825	-2.26	-2.67	0.39	<=29.77	Pass
802.11n (HT40)	MIMO	5755	-5.86	-5.47	-2.87	<=29.77	Pass
		5795	-4.95	-4.99	-2.08	<=29.77	Pass
802.11ac (VHT20)	SISO	5745	-2.43	-1.82	/	<=30	Pass
		5785	-1.32	-1.27	/	<=30	Pass
		5825	-0.76	-0.93	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	-4.51	-3.94	/	<=30	Pass
		5795	-3.82	-3.78	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	-7.08	-6.27	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-2.74	-2.27	0.36	<=29.77	Pass
		5785	-1.94	-1.69	1.00	<=29.77	Pass
		5825	-1.74	-1.33	1.31	<=29.77	Pass
802.11ac (VHT40)	MIMO	5755	-4.58	-4.14	-1.34	<=29.77	Pass
		5795	-3.96	-3.00	-0.61	<=29.77	Pass
802.11ac (VHT80)	MIMO	5775	-6.03	-5.98	-3.51	<=29.77	Pass
Note1: Antenna Gain: Ant1: 2.78dBi; Ant2: 3.22dBi; Note2: Directional Gain: Band3: 6.23dBi							

3.1.2 Test Graph

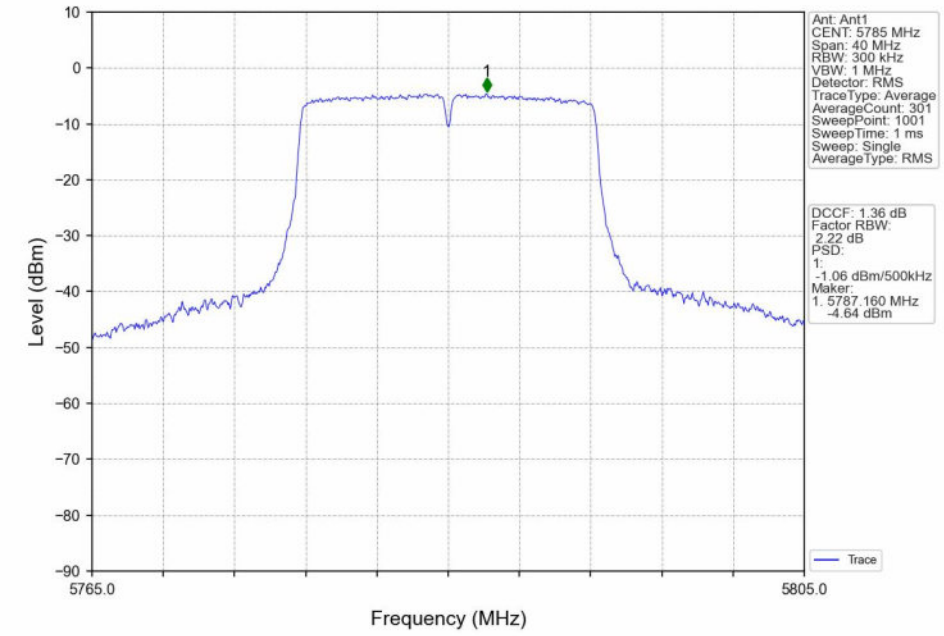
802.11a_LCH_5745MHz_Ant1_NTNV



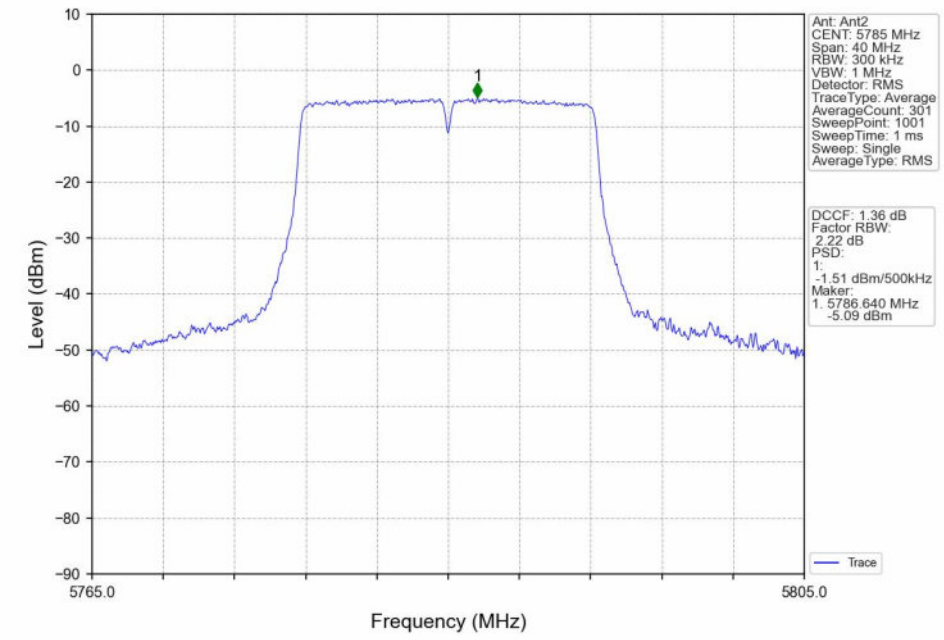
802.11a_LCH_5745MHz_Ant2_NTNV



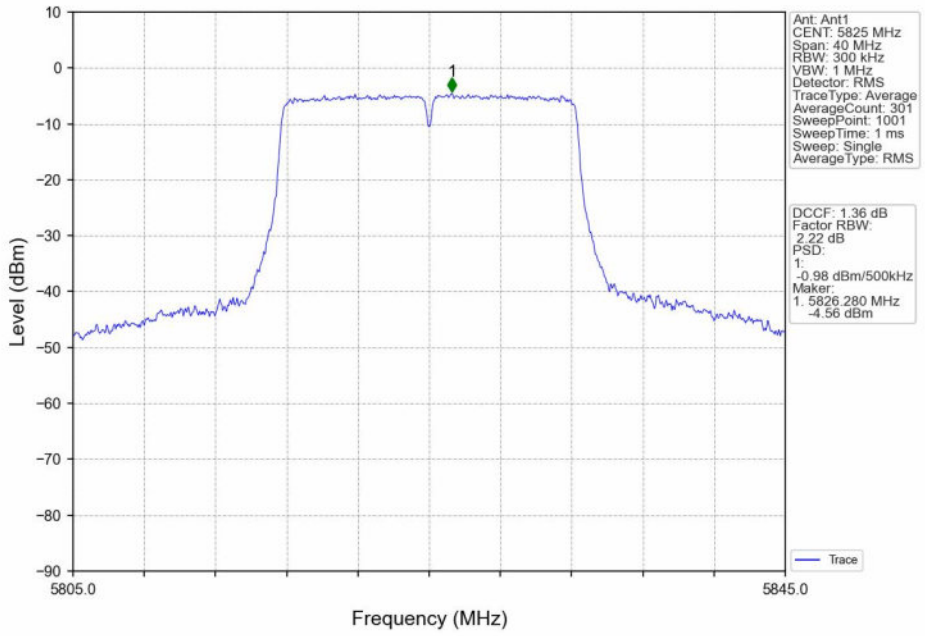
802.11a_MCH_5785MHz_Ant1_NTNV



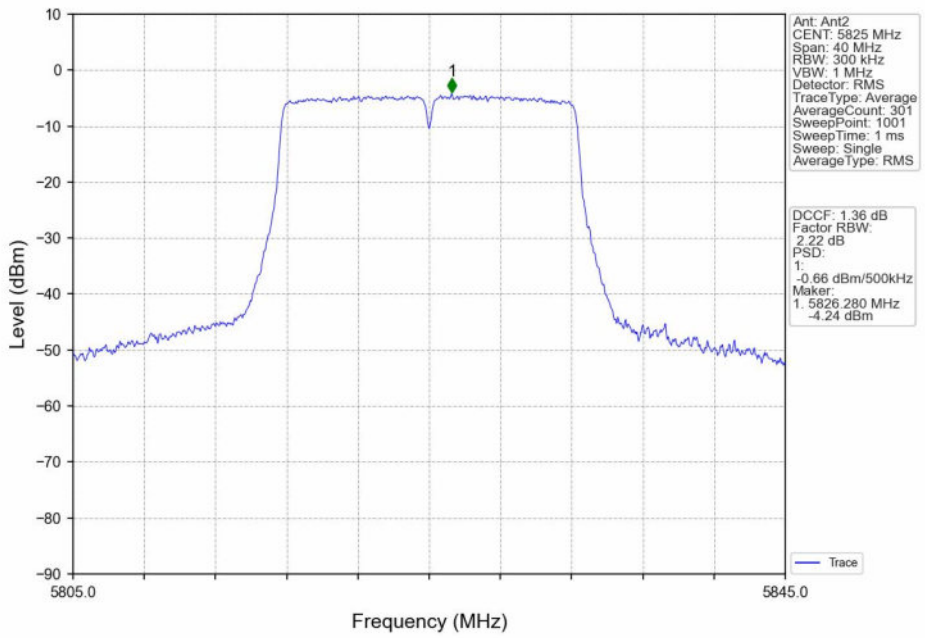
802.11a_MCH_5785MHz_Ant2_NTNV



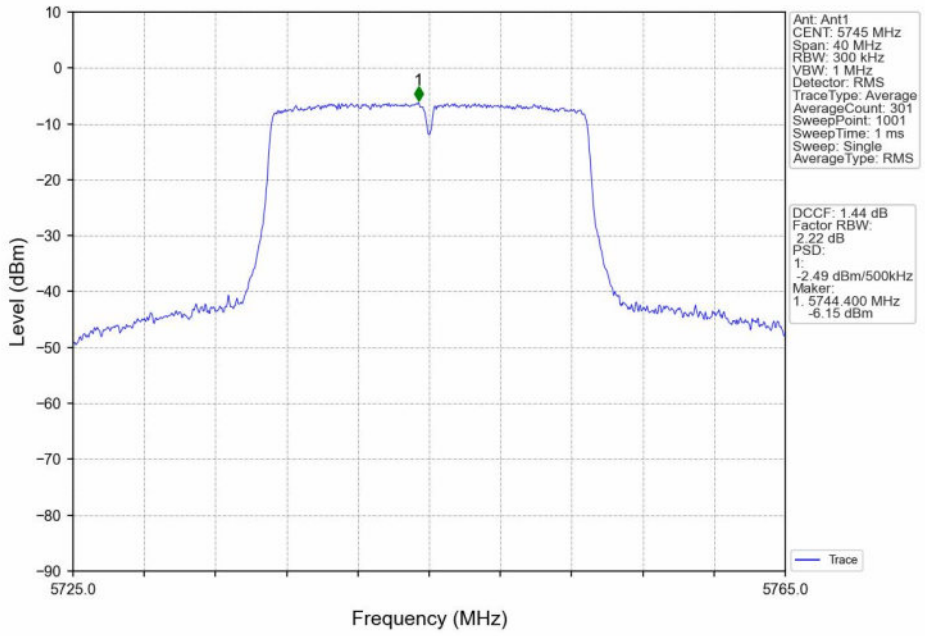
802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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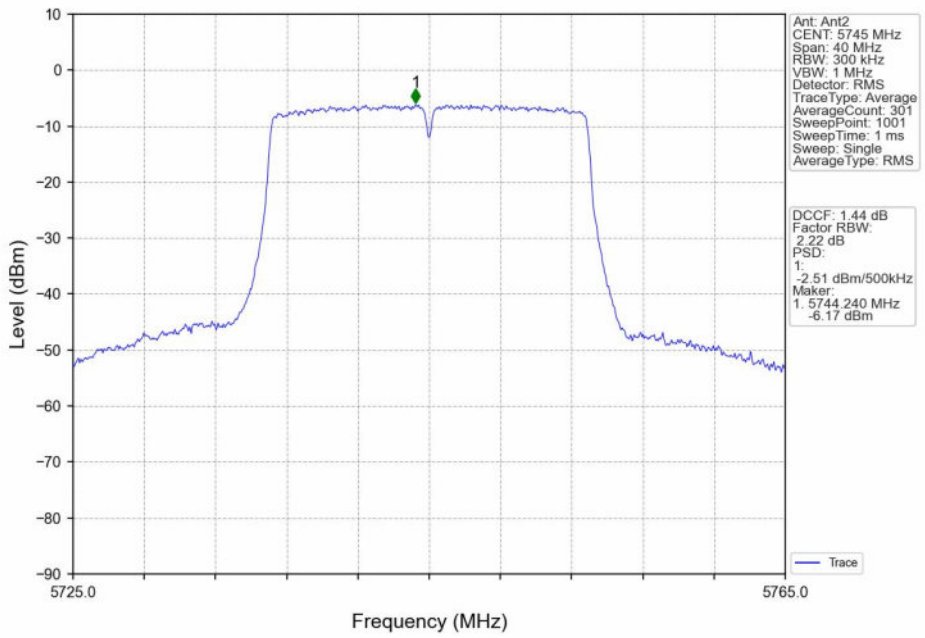

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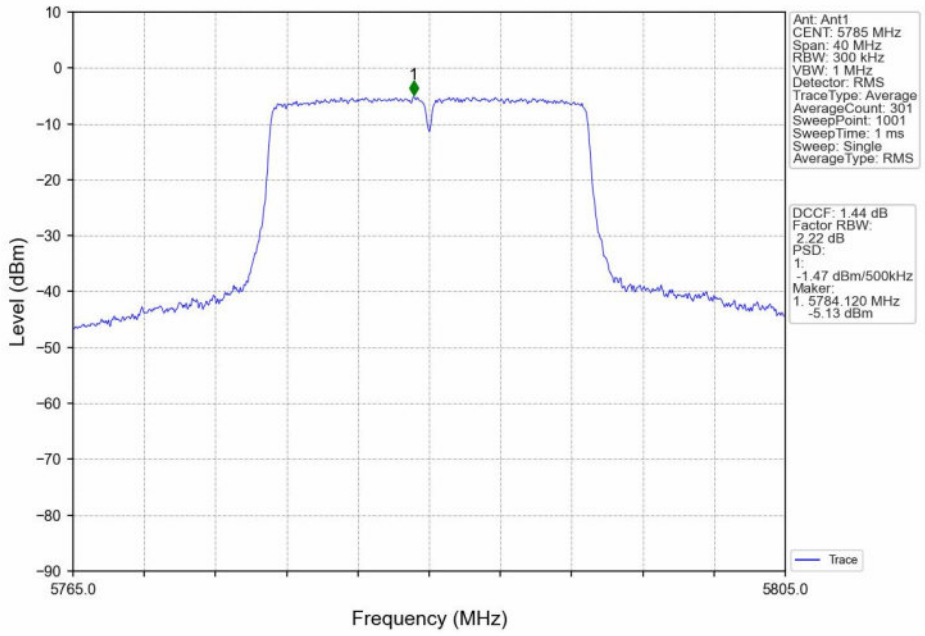
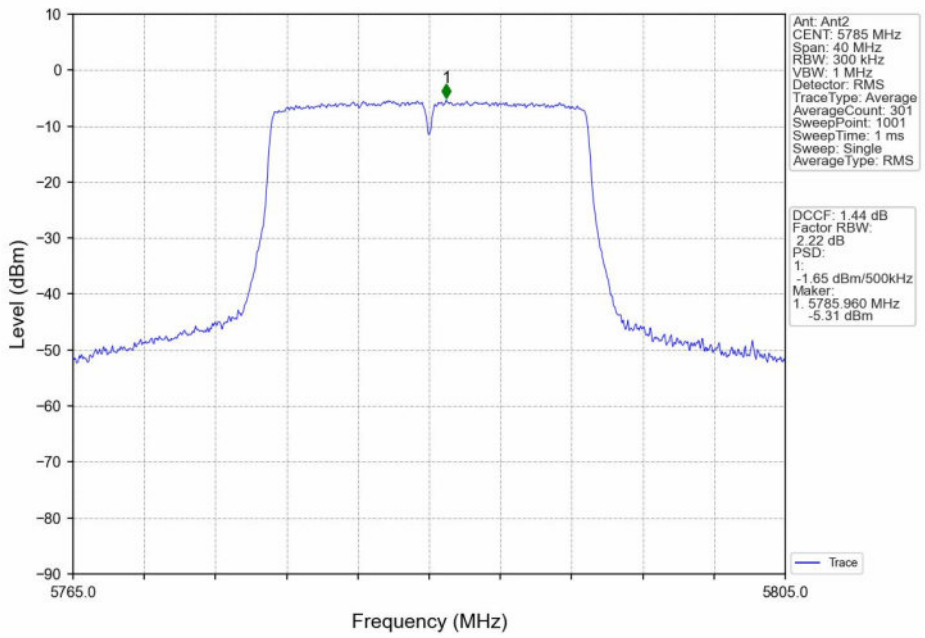
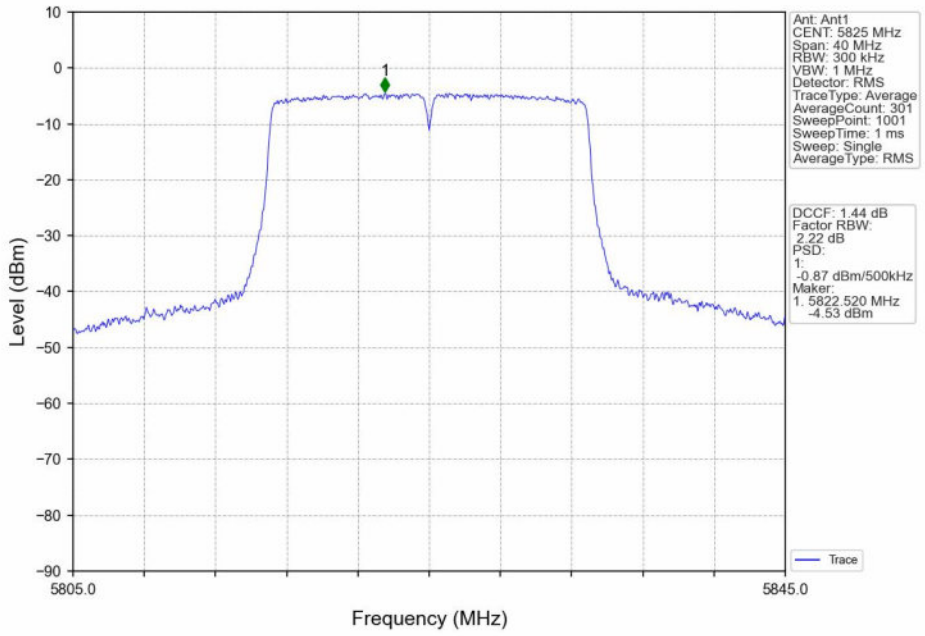


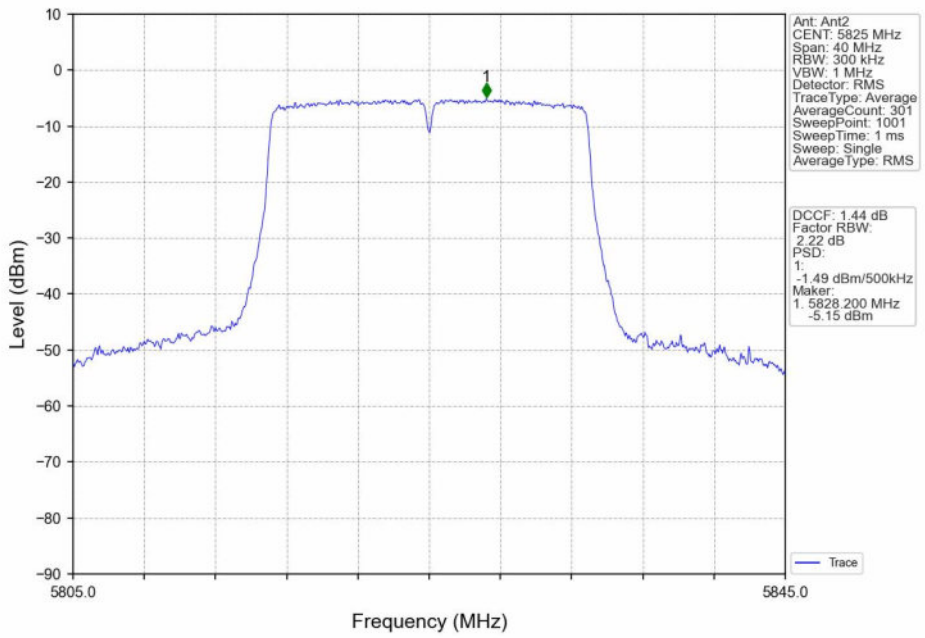
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



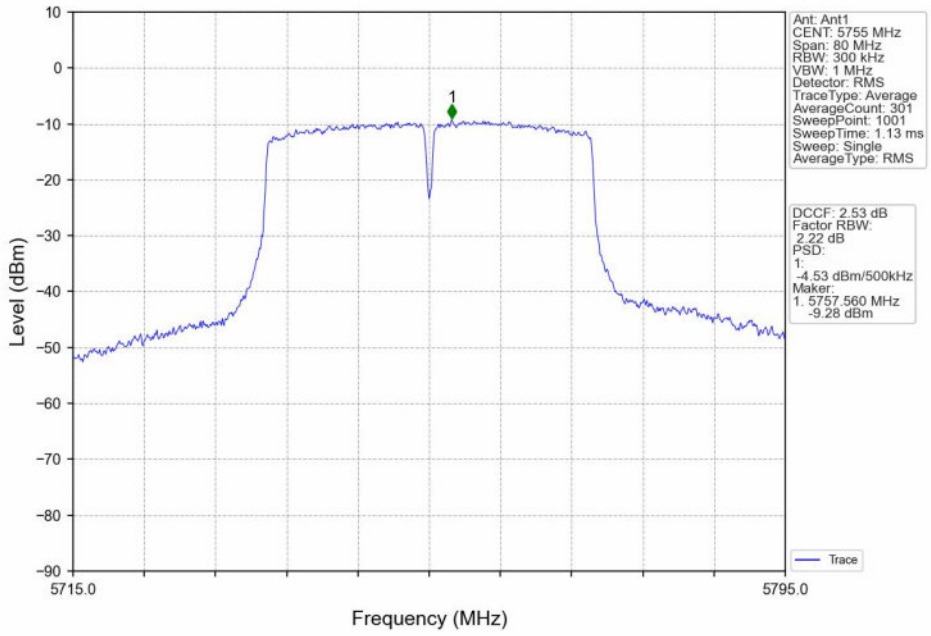
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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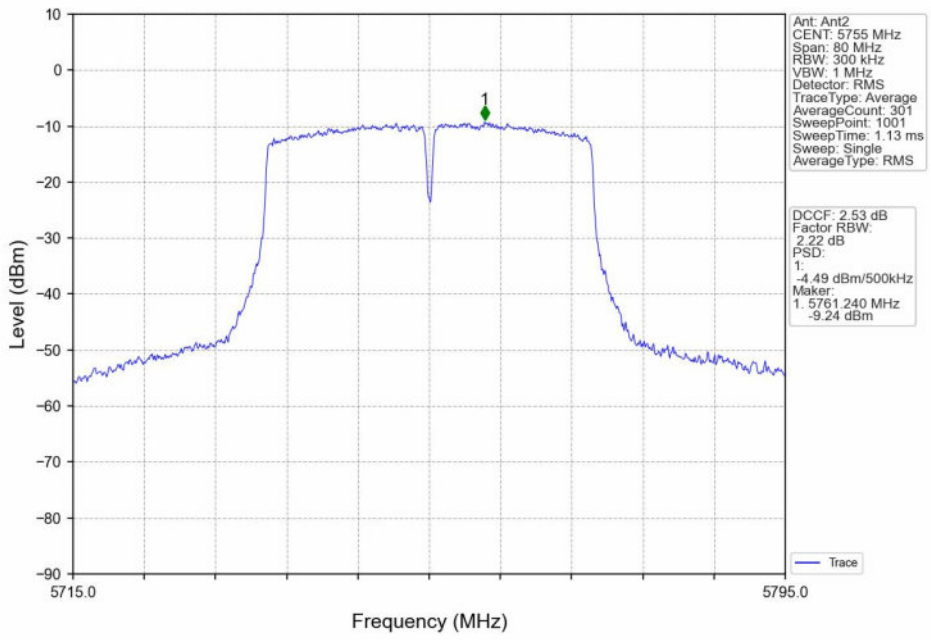
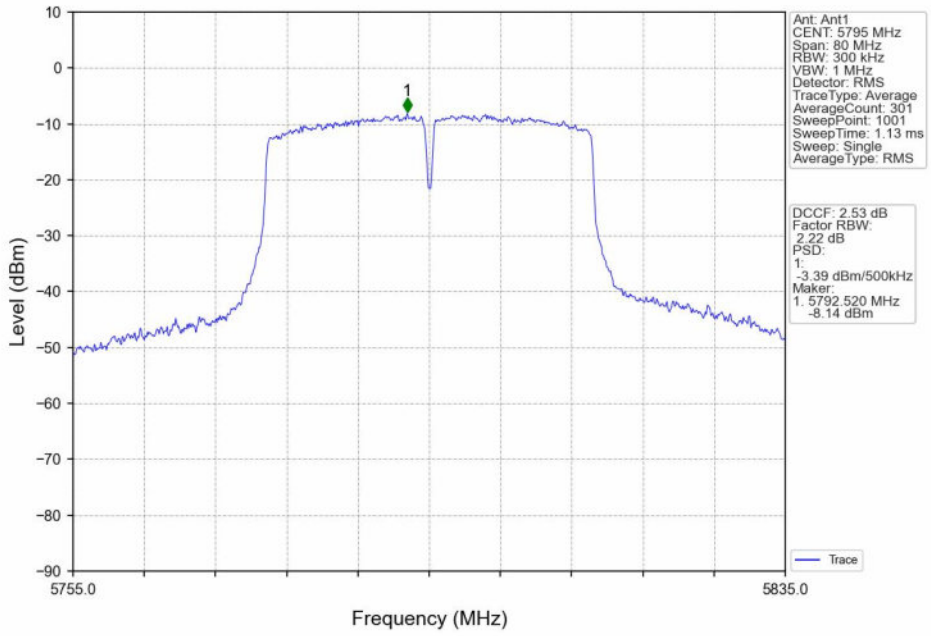


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



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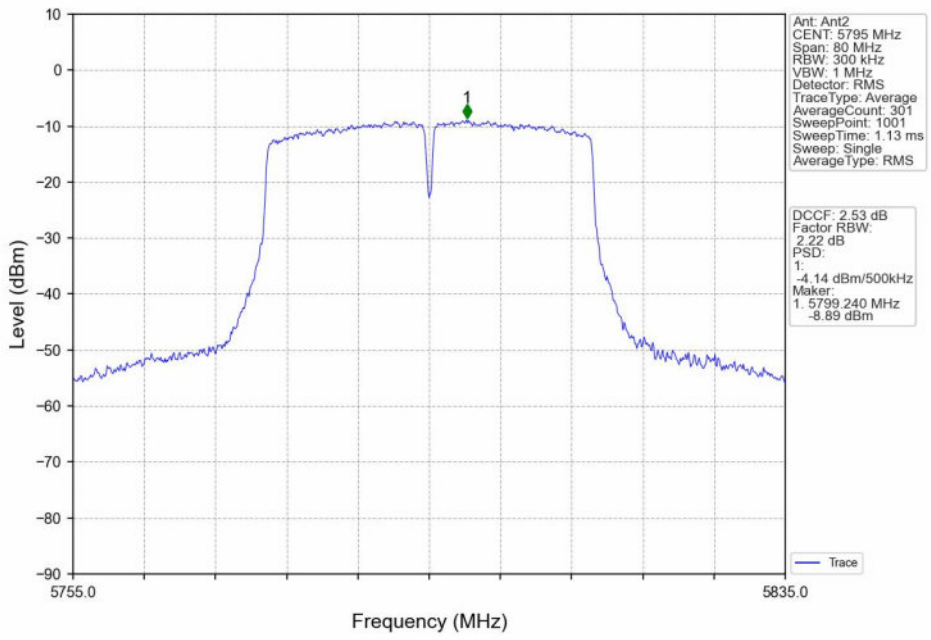
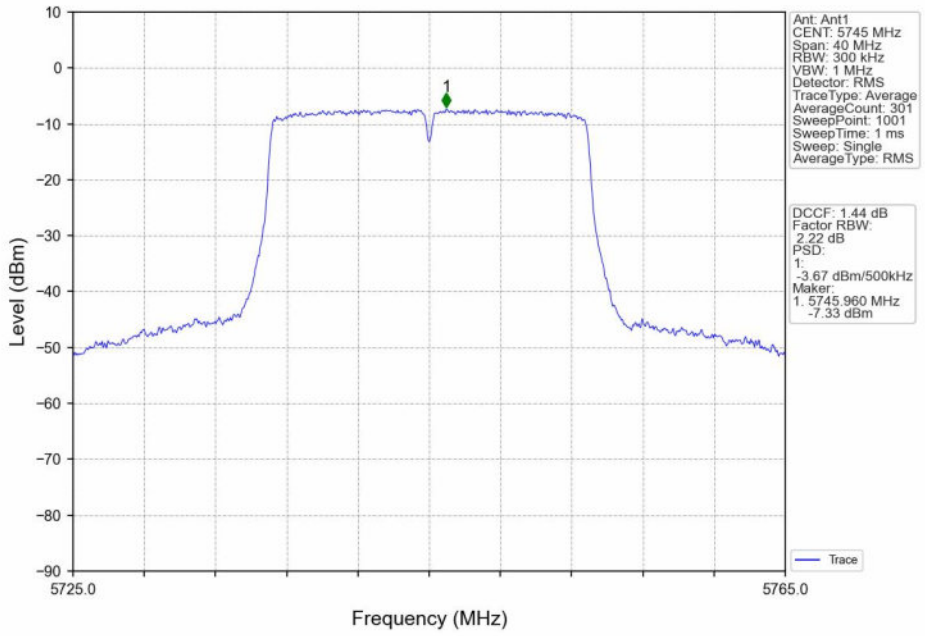


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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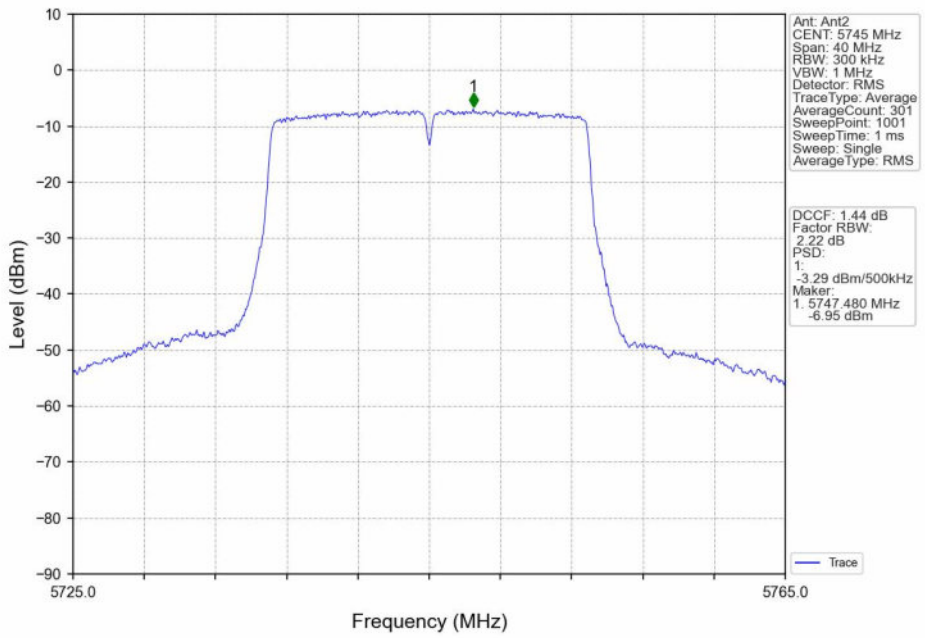
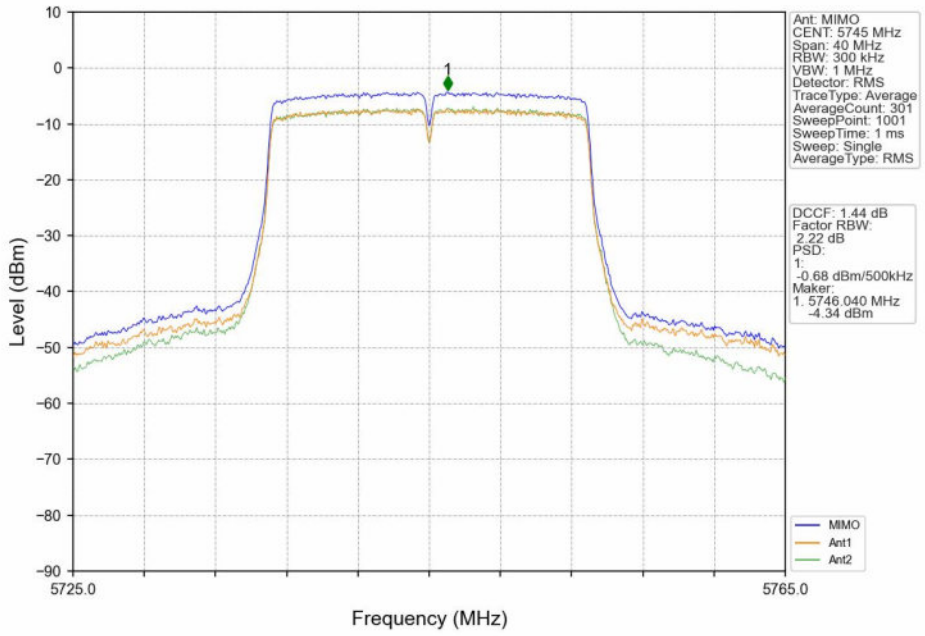


802.11n(HT20)_LCH_5745MHz_MIMO_NTNV



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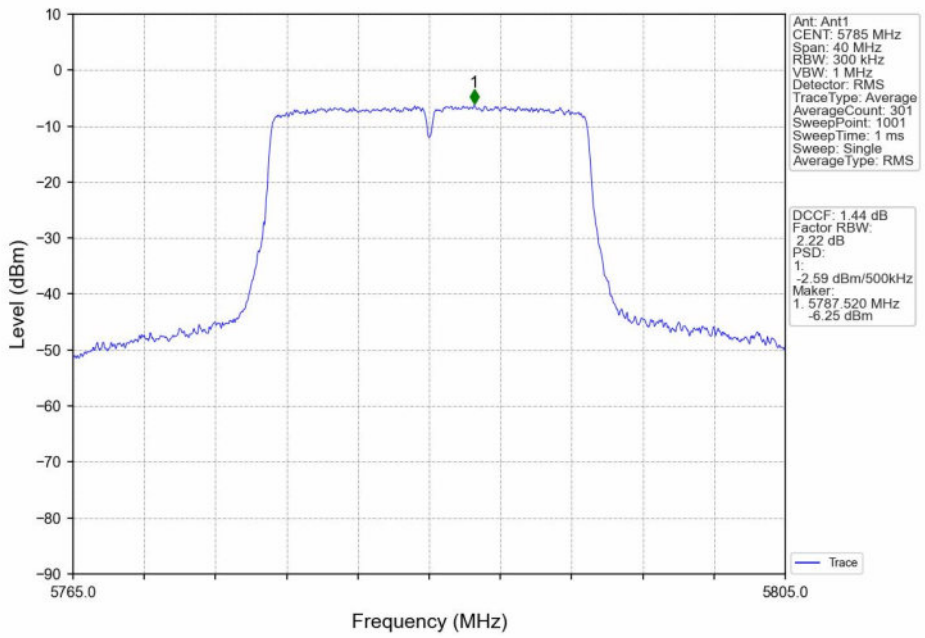

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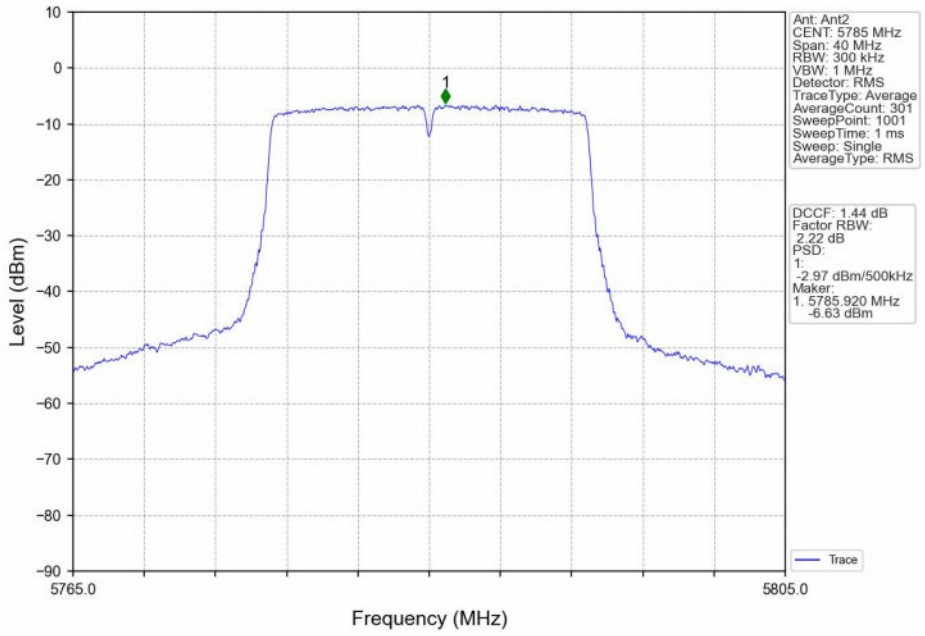

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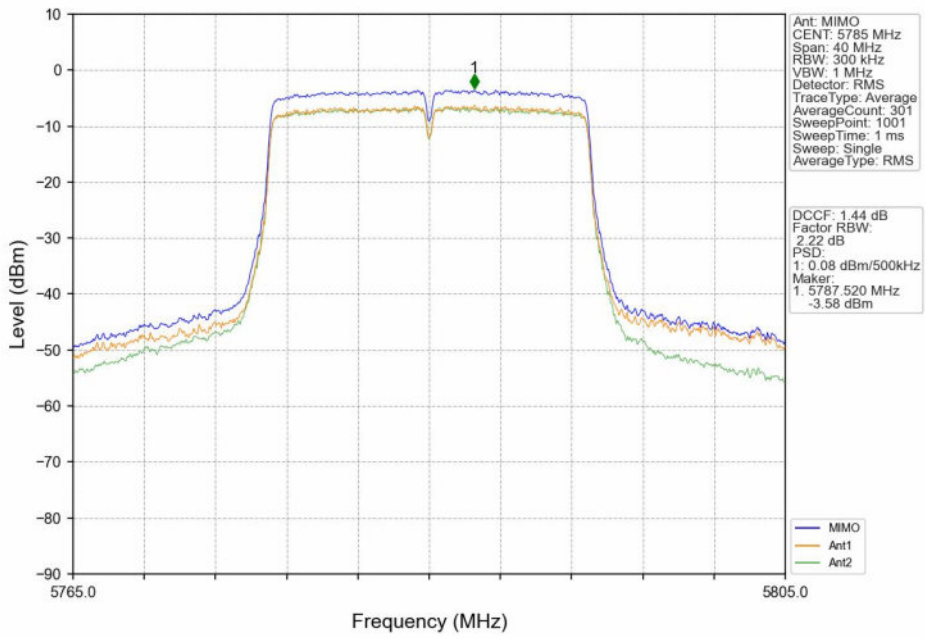

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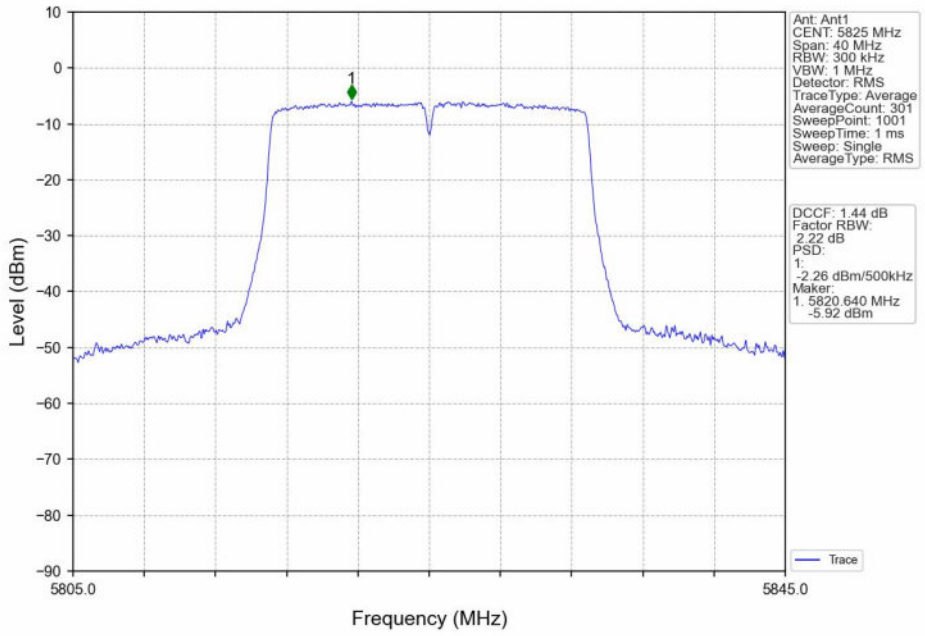

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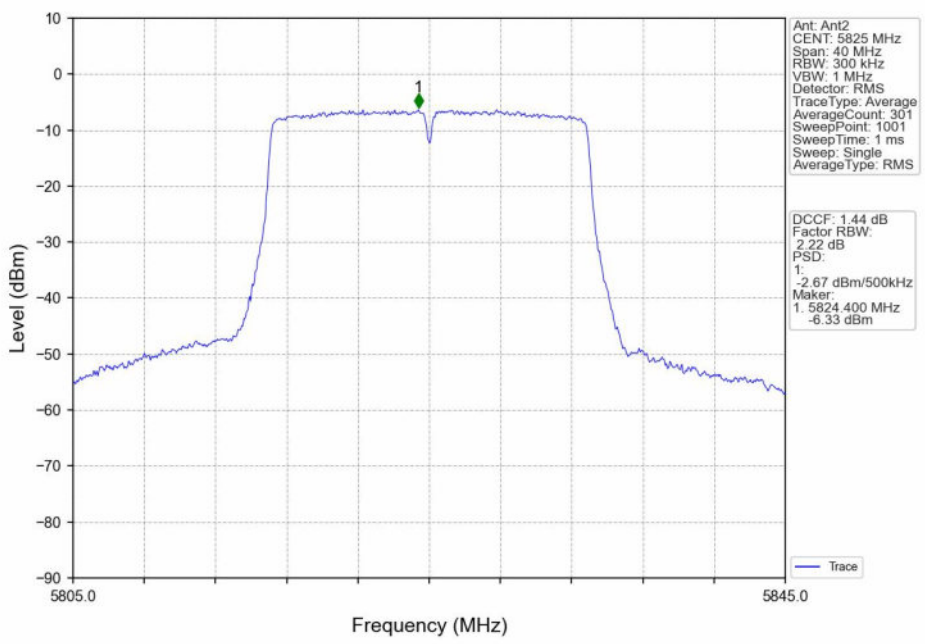
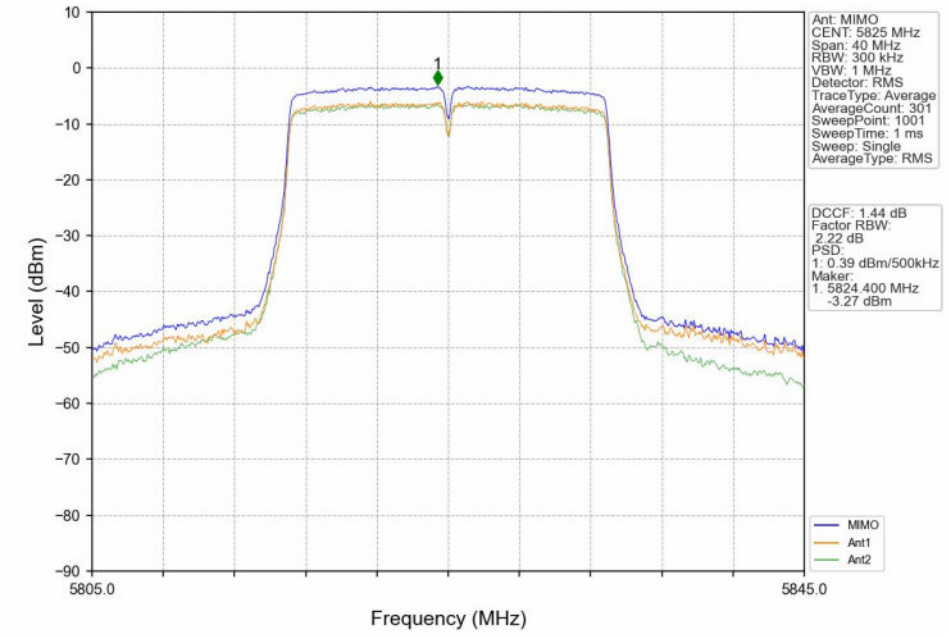
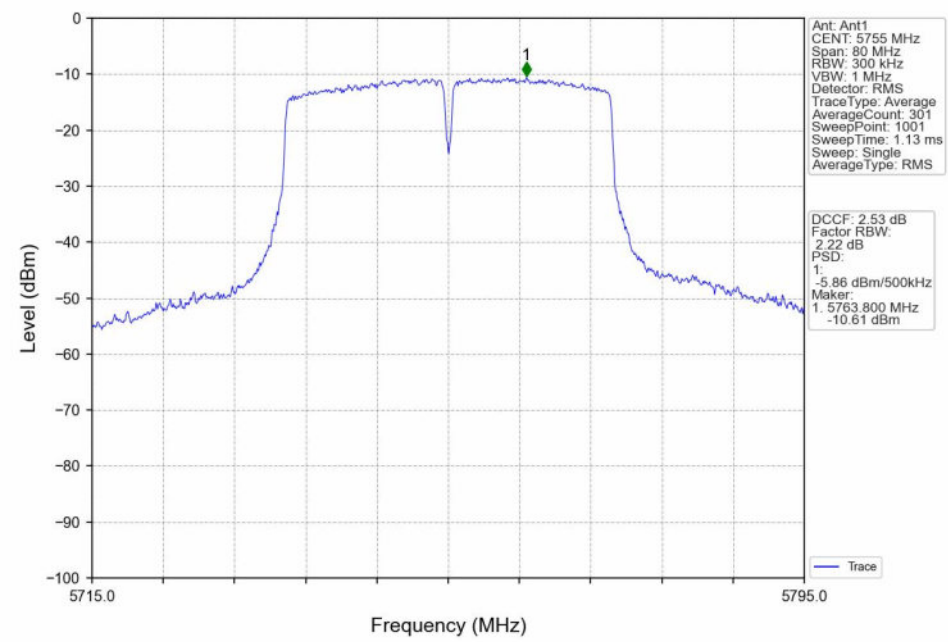


802.11n(HT20)_HCH_5825MHz_MIMO_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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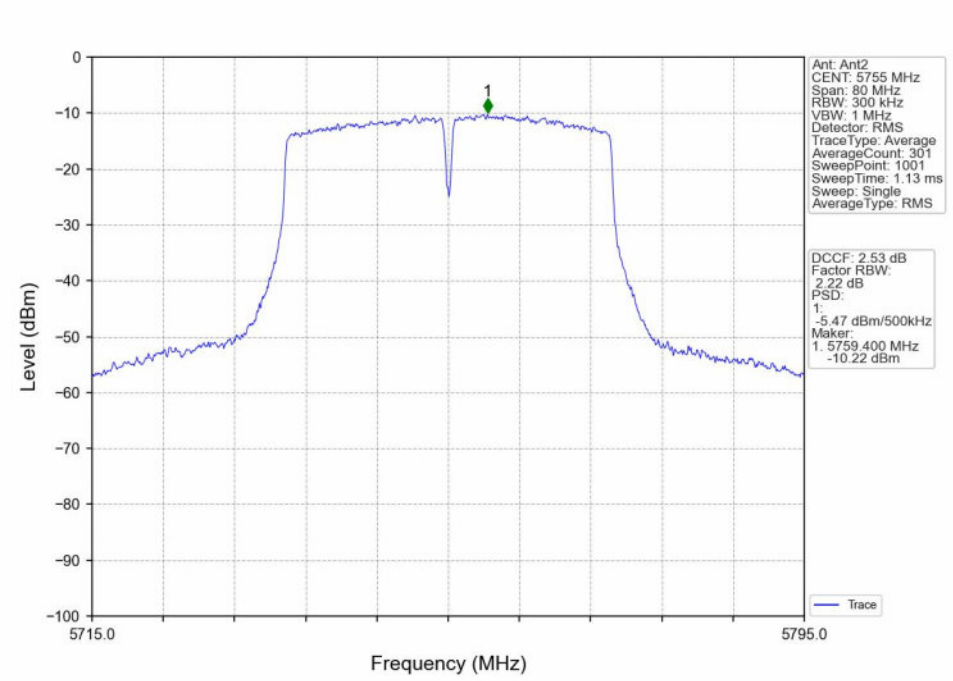

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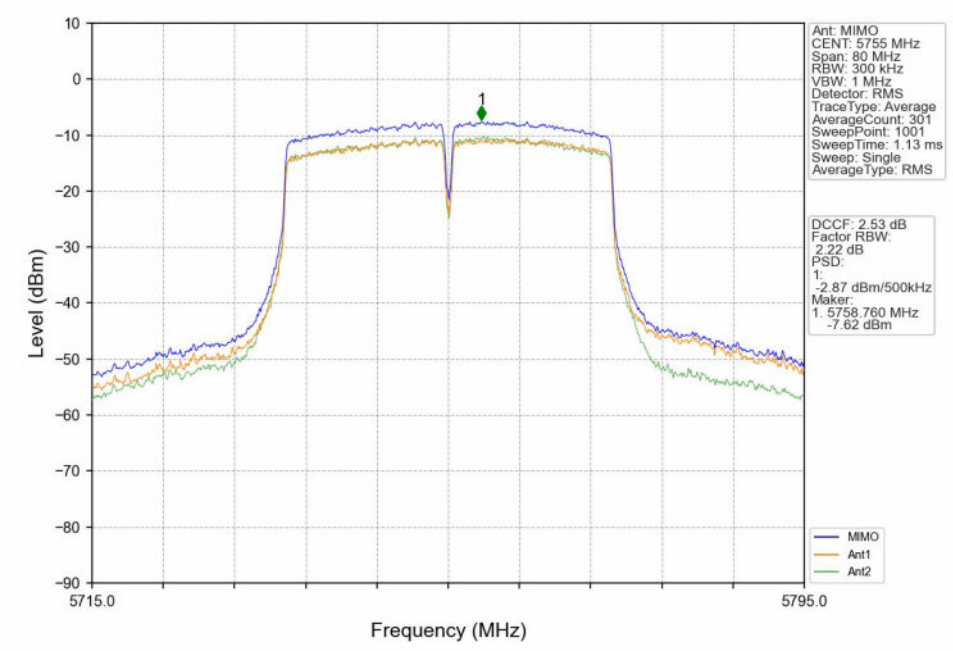

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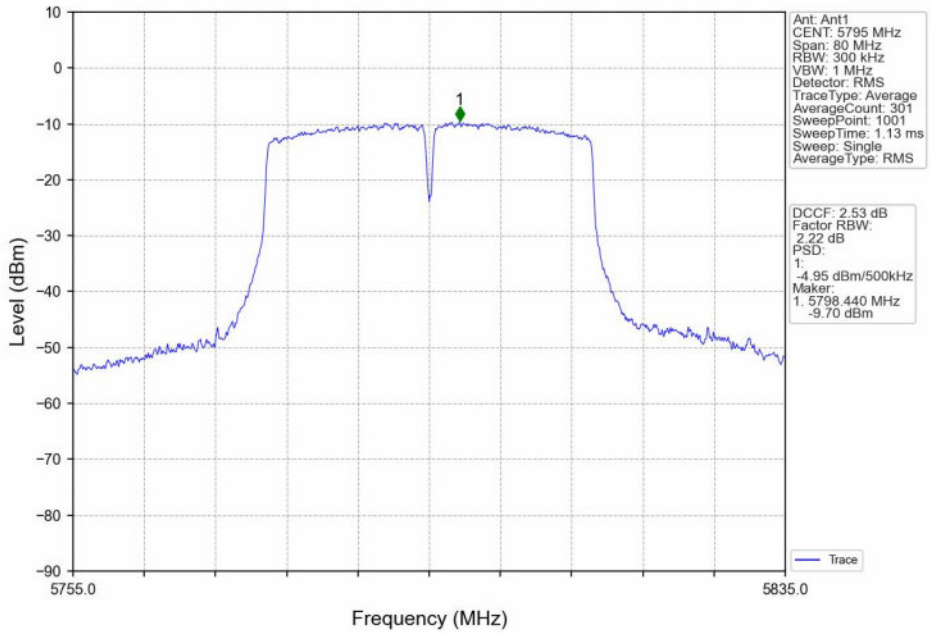

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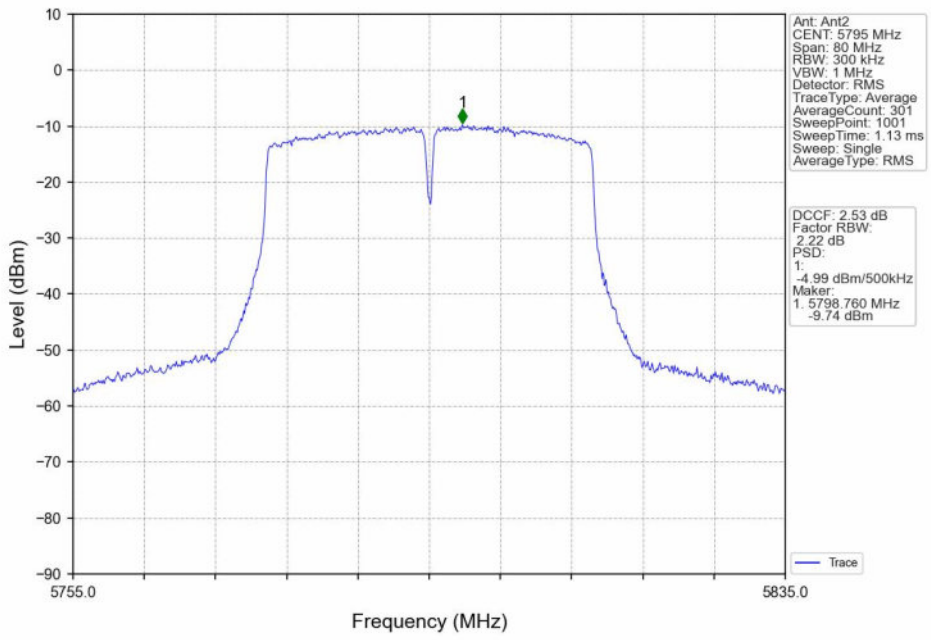

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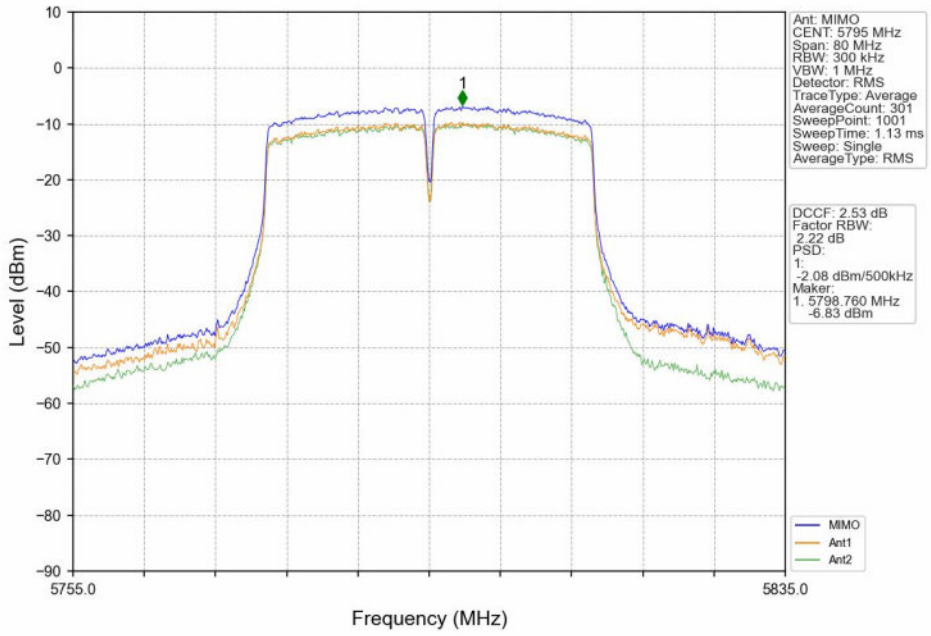
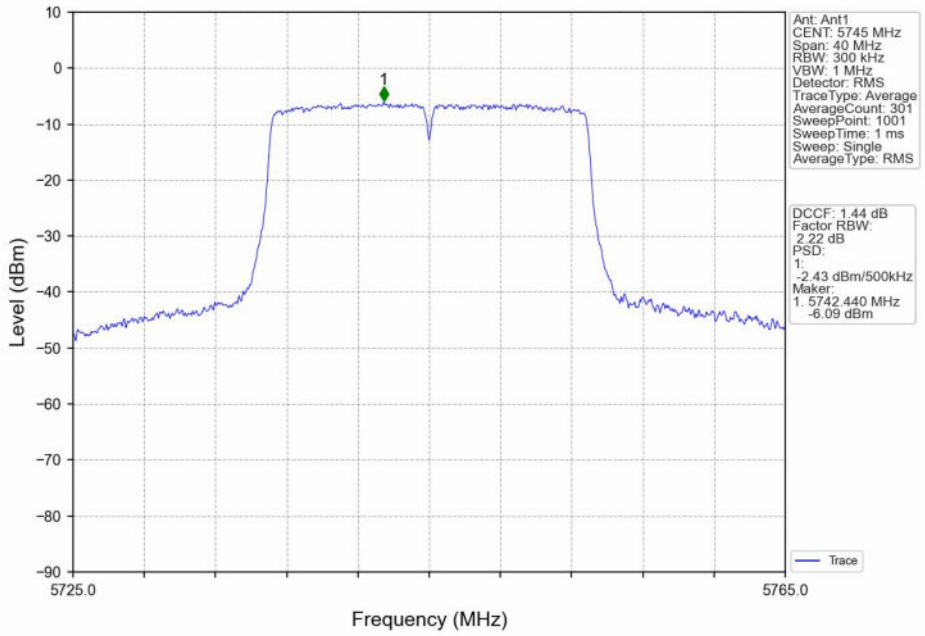


802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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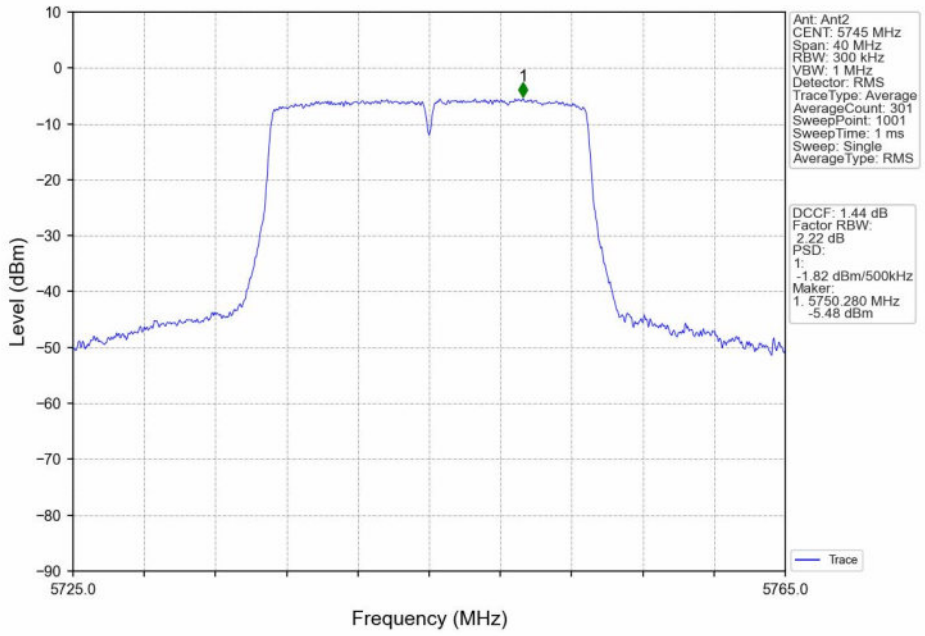
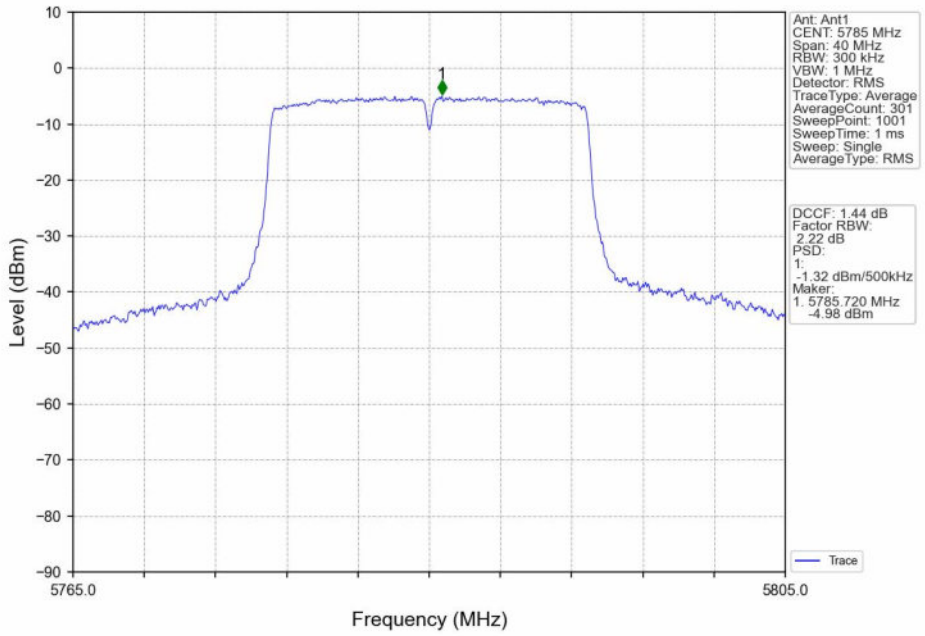


802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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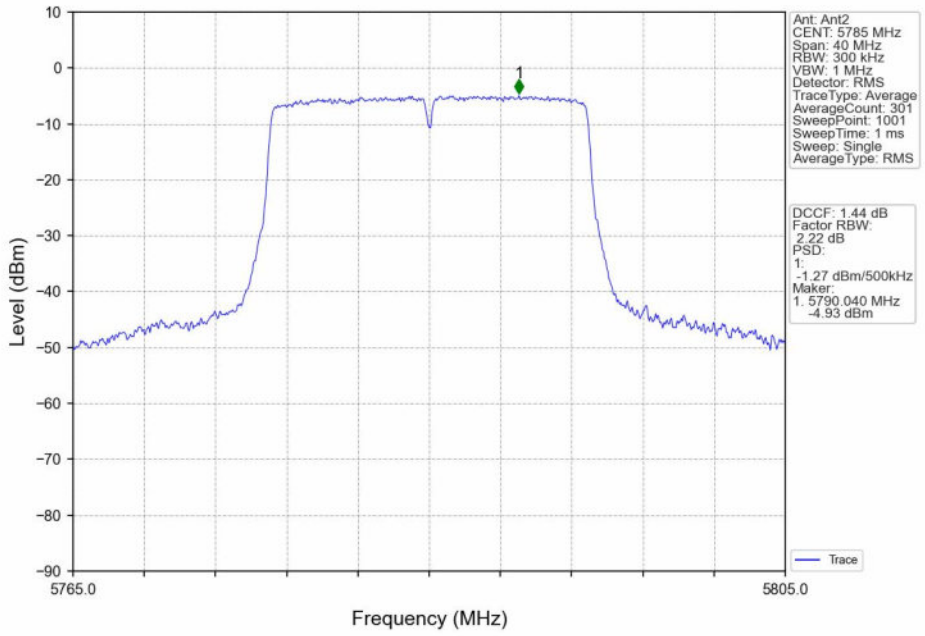
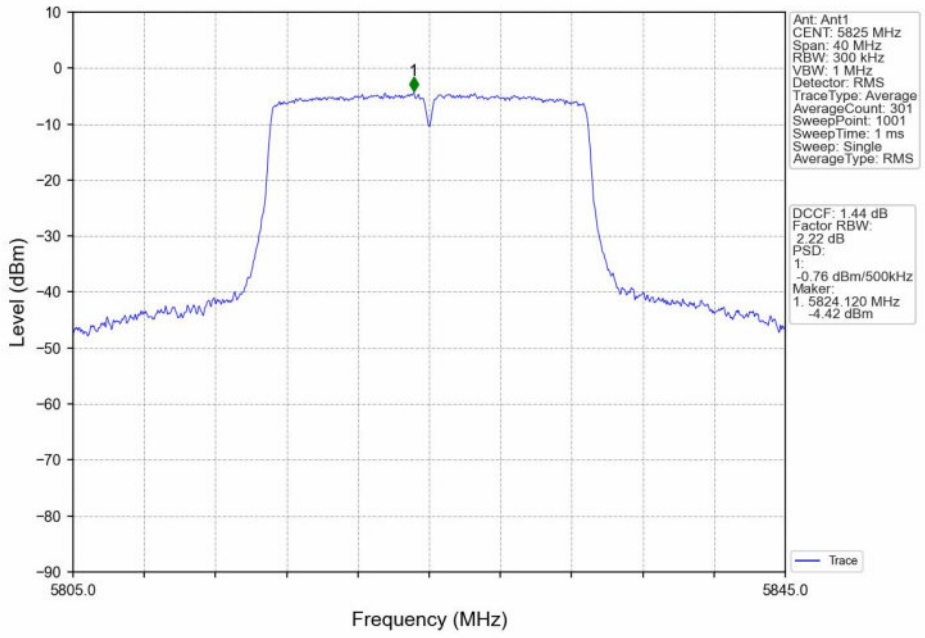


802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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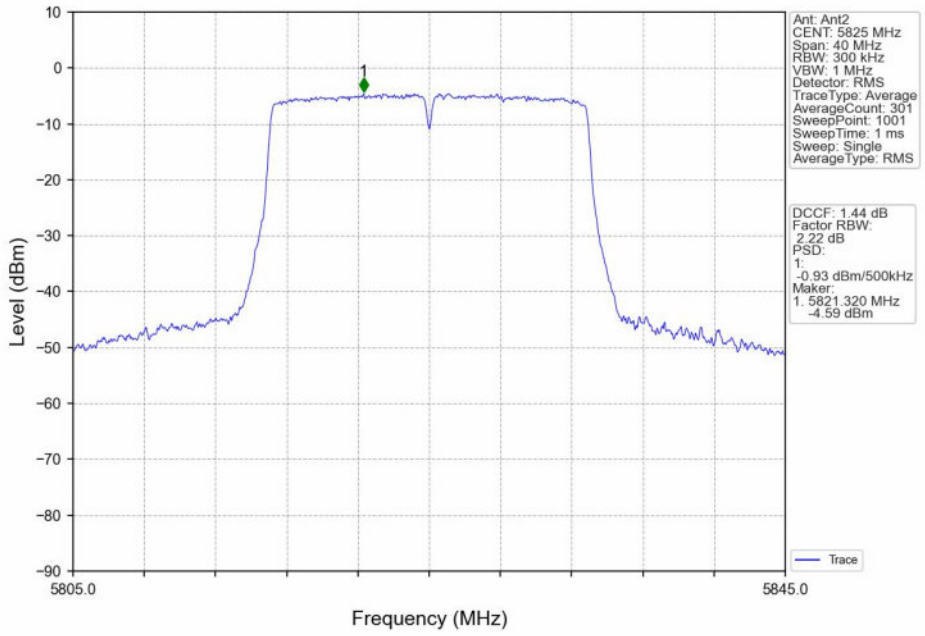
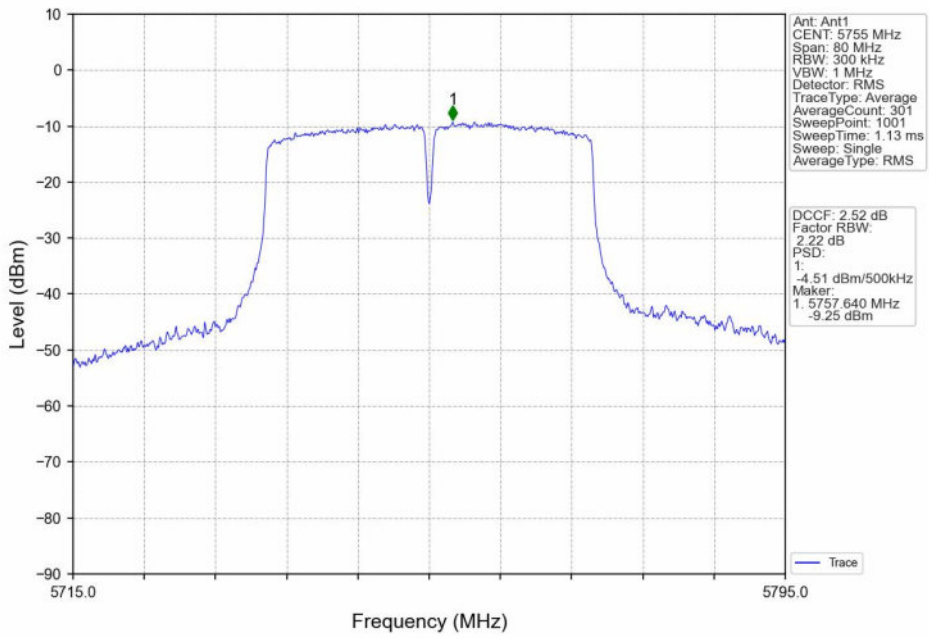


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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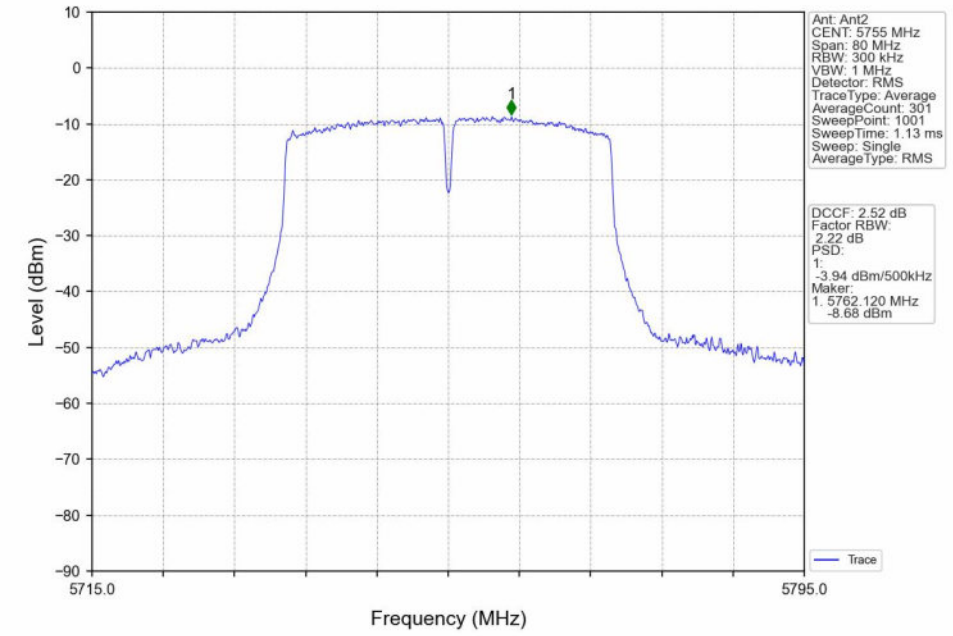
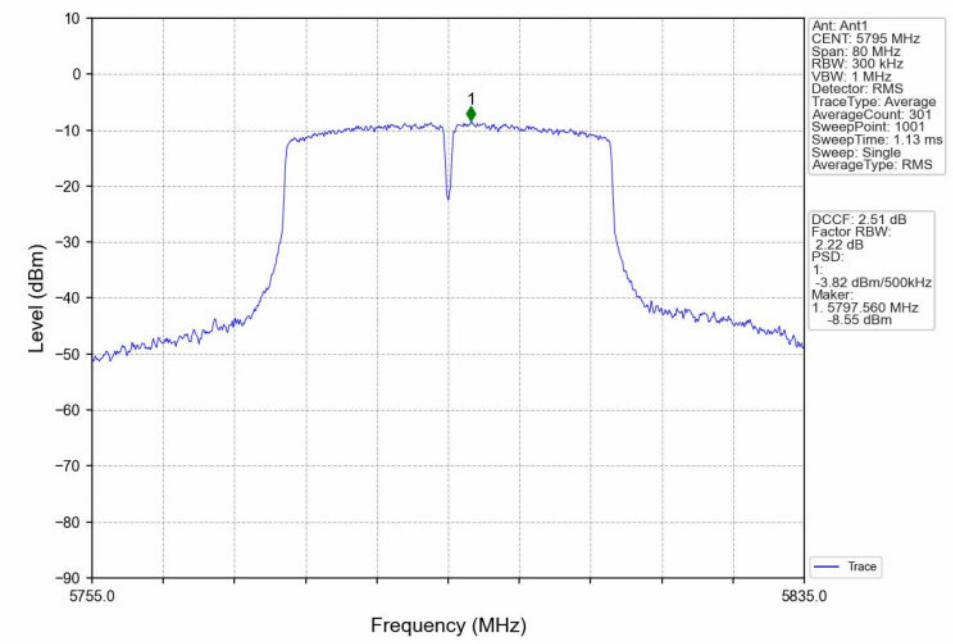


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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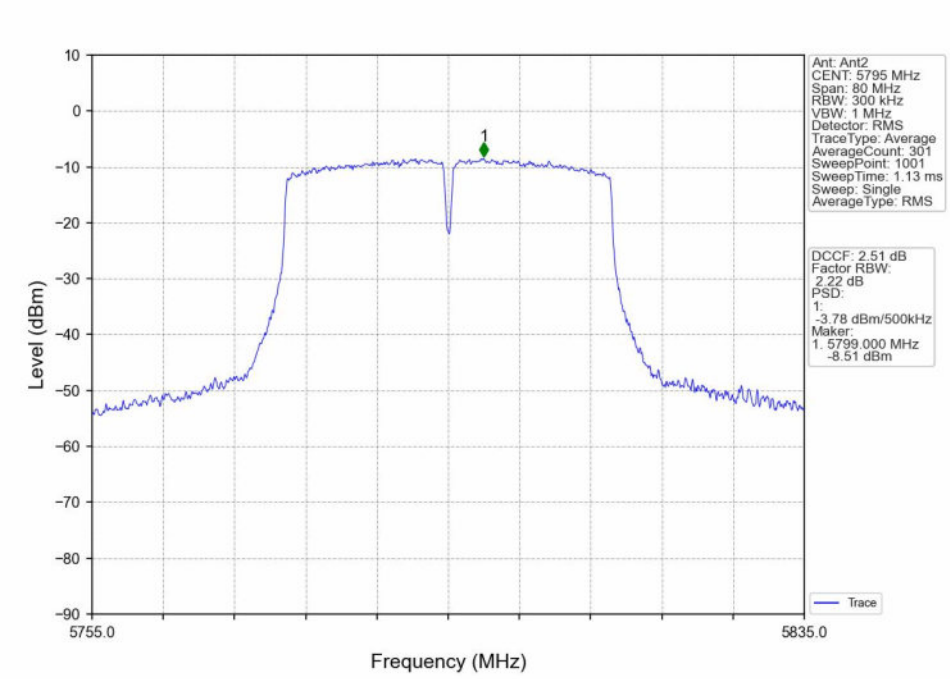
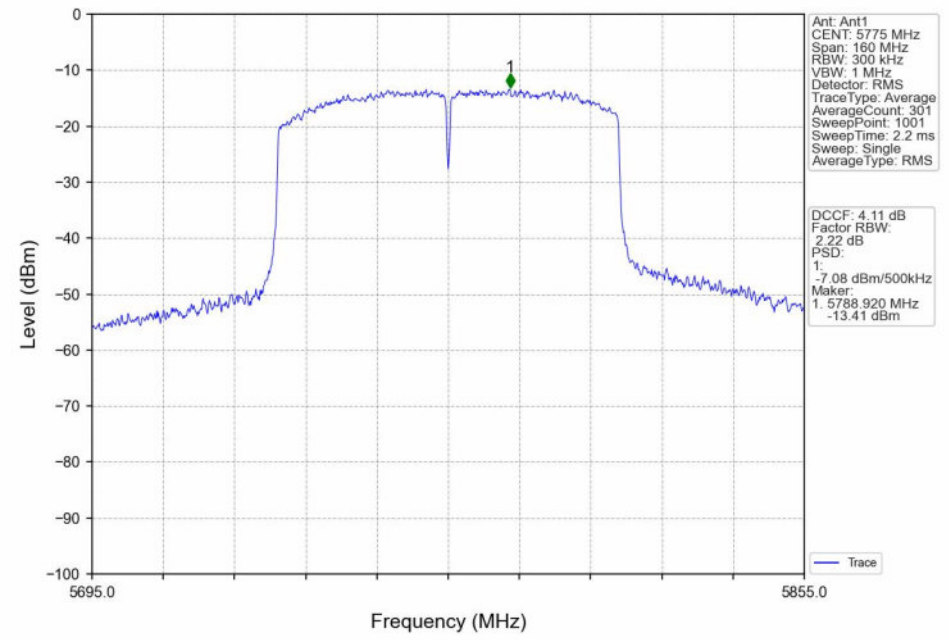


802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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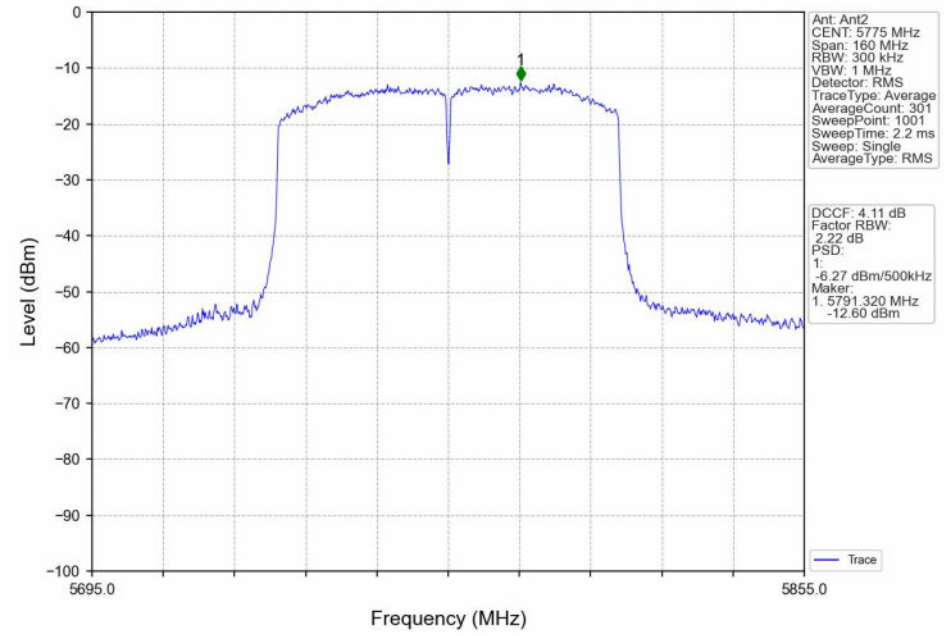

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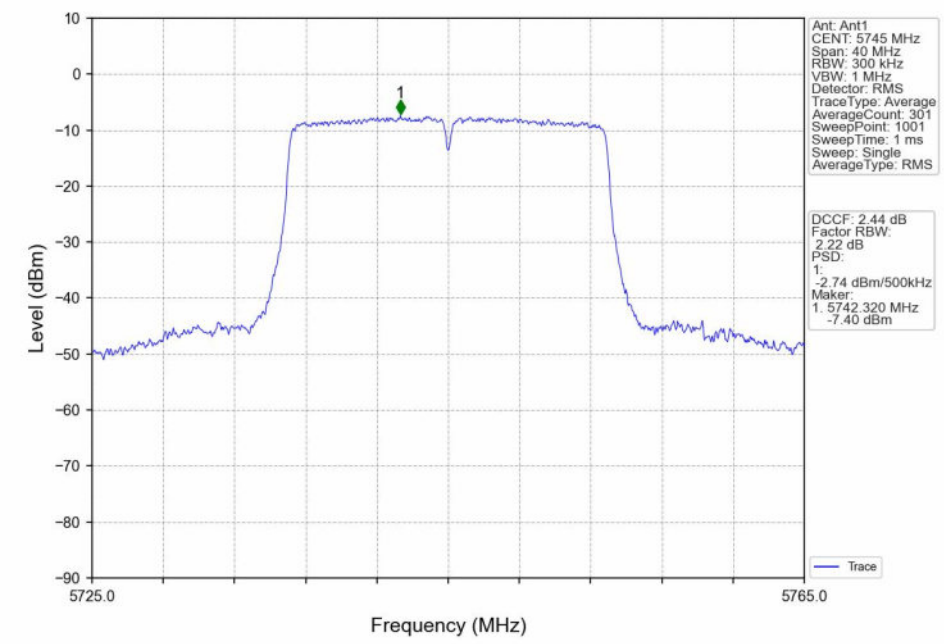

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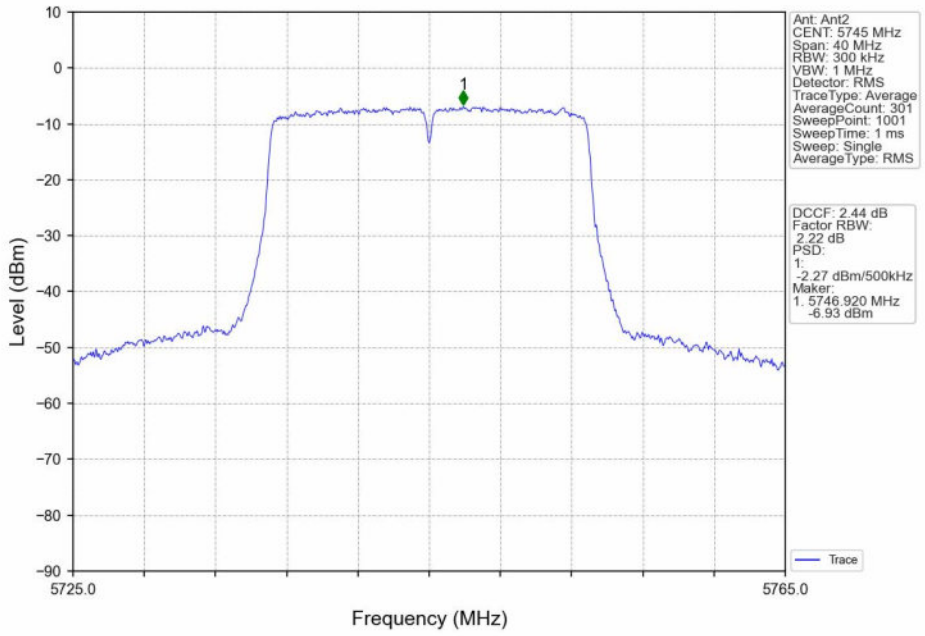
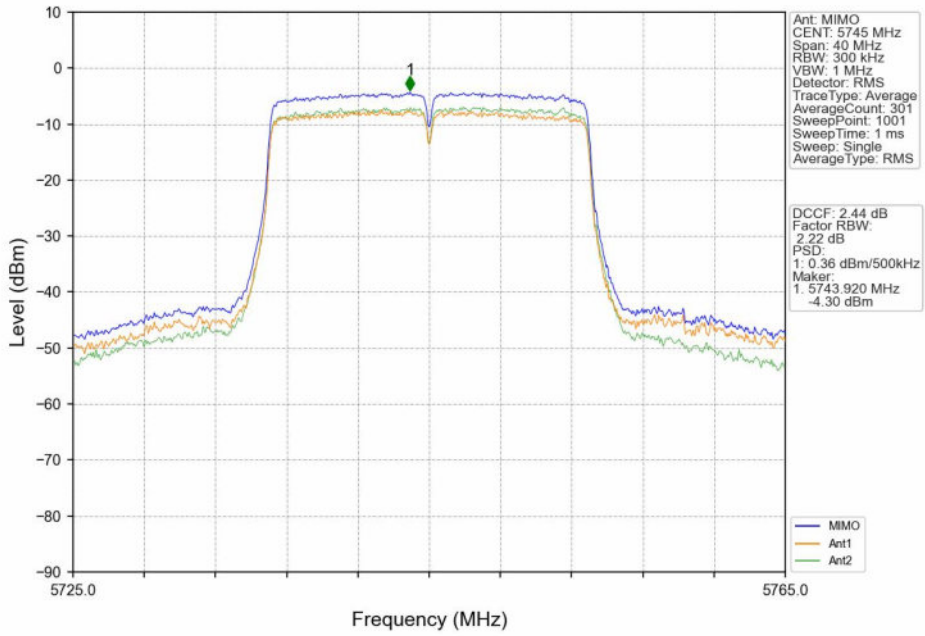
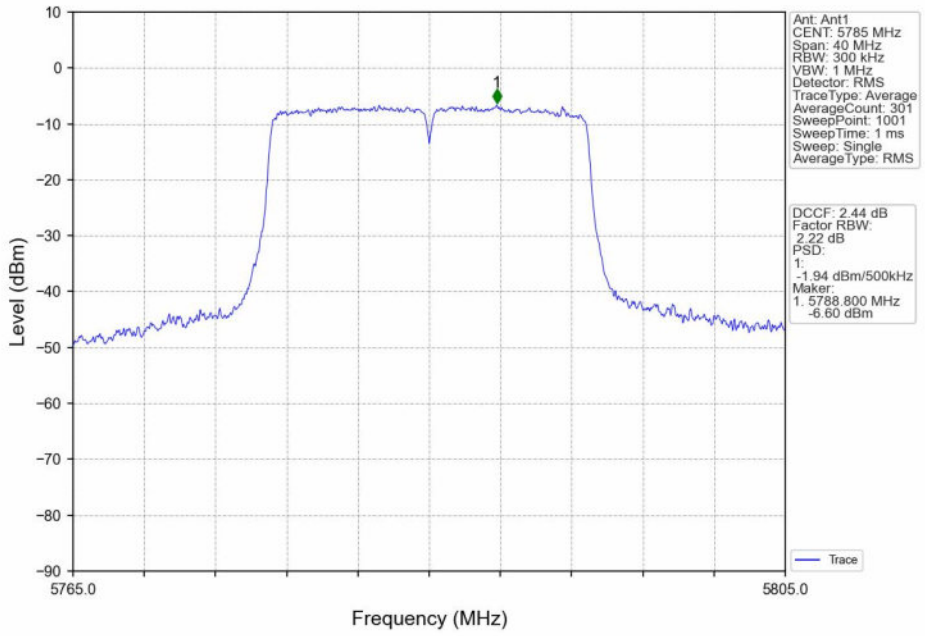


802.11ac(VHT20)_LCH_5745MHz_MIMO_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



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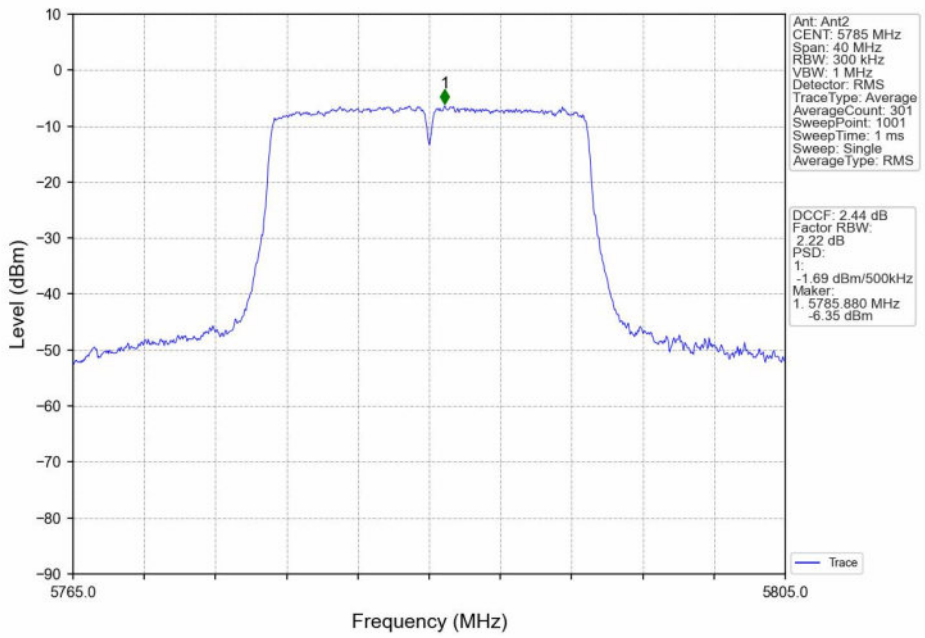
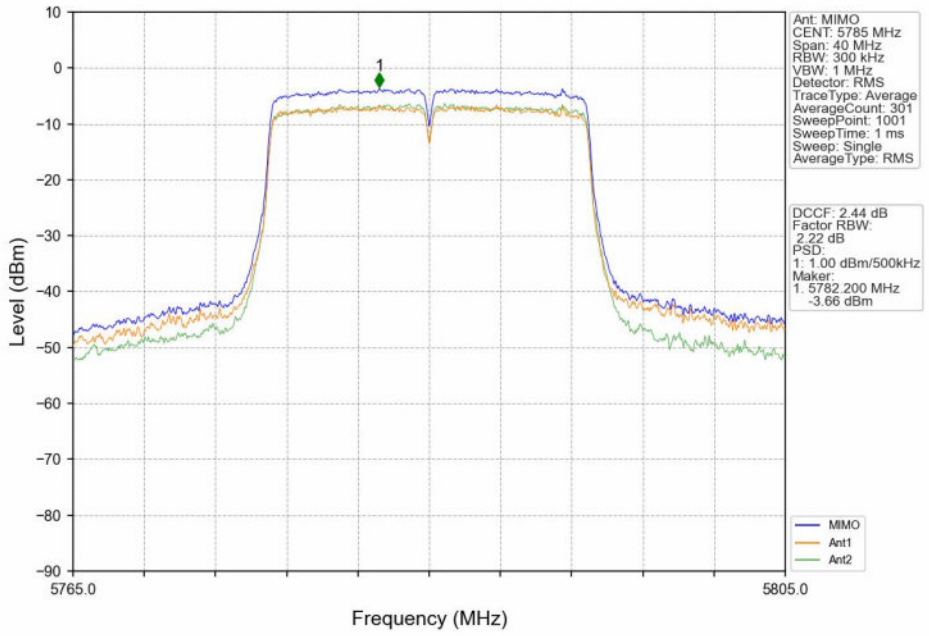
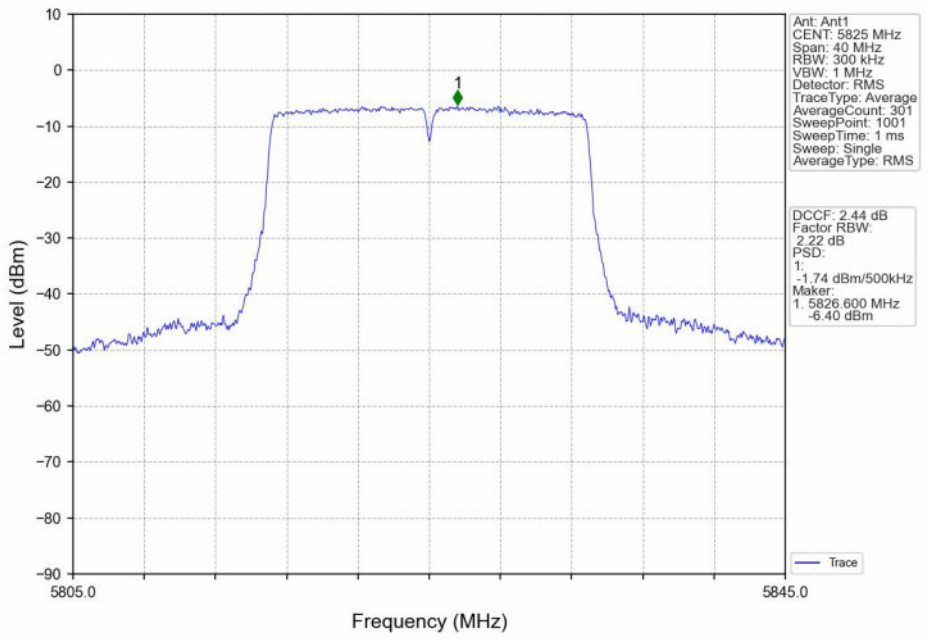


802.11ac(VHT20)_MCH_5785MHz_MIMO_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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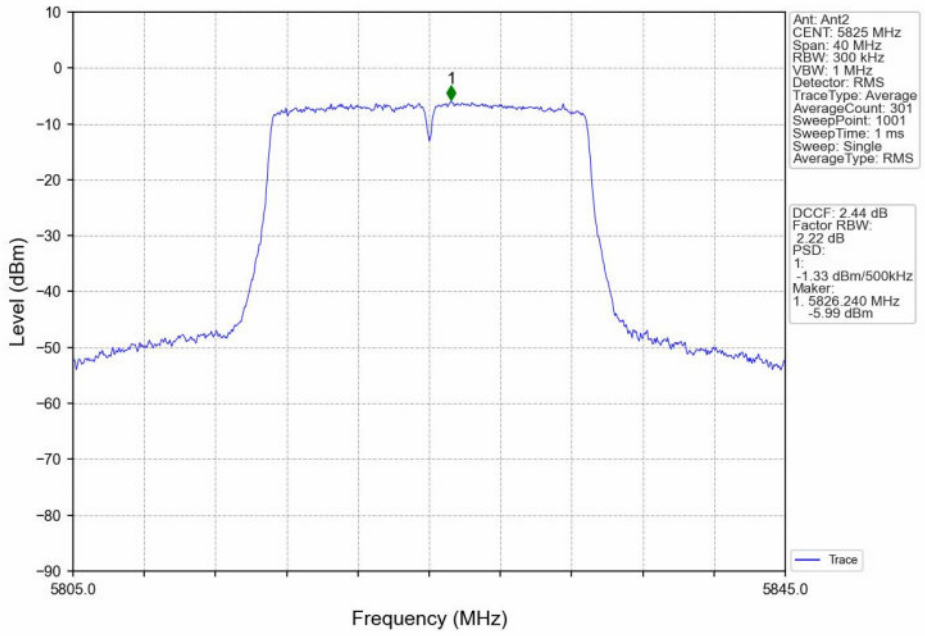
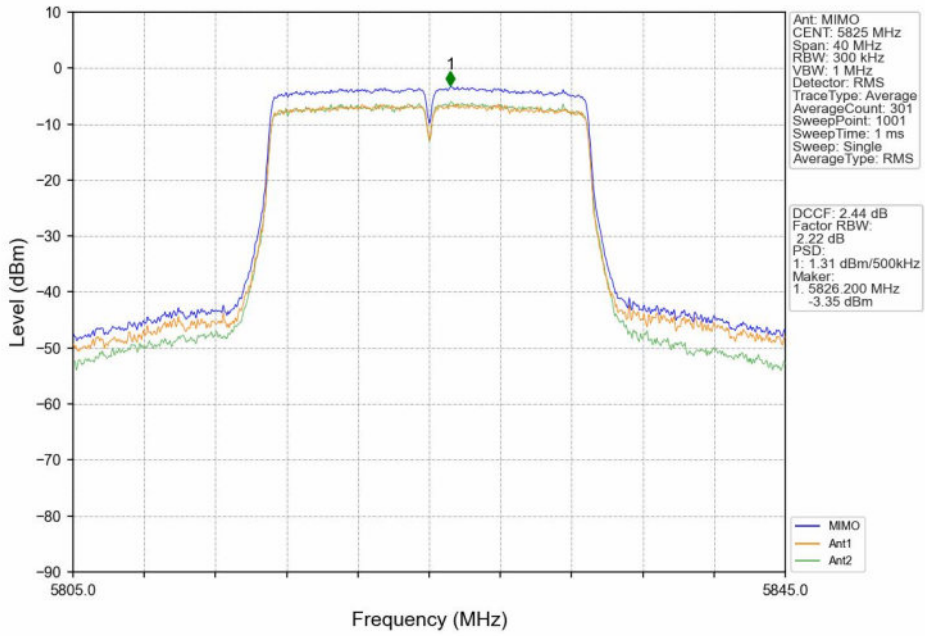
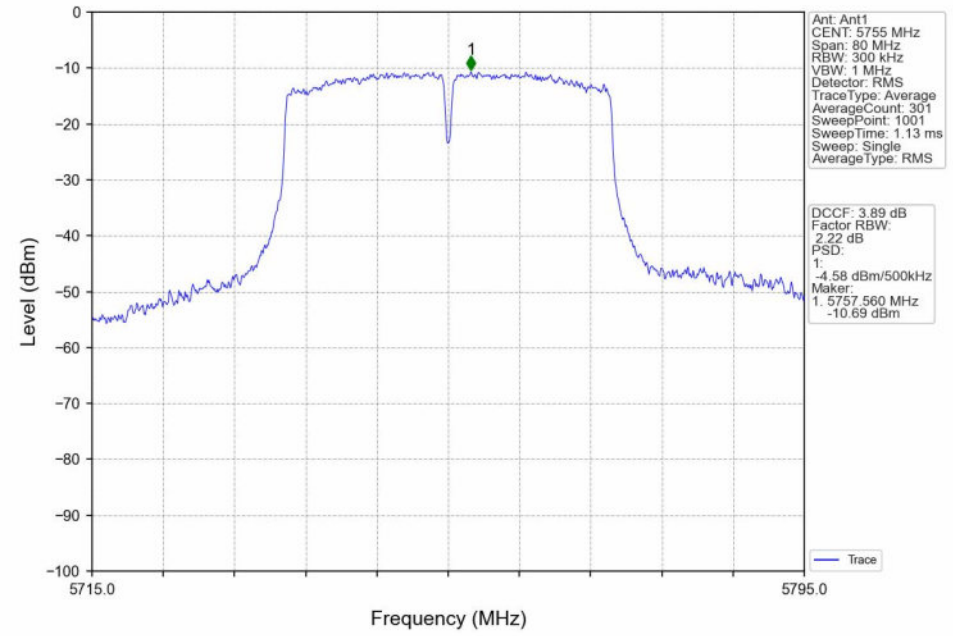


802.11ac(VHT20)_HCH_5825MHz_MIMO_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



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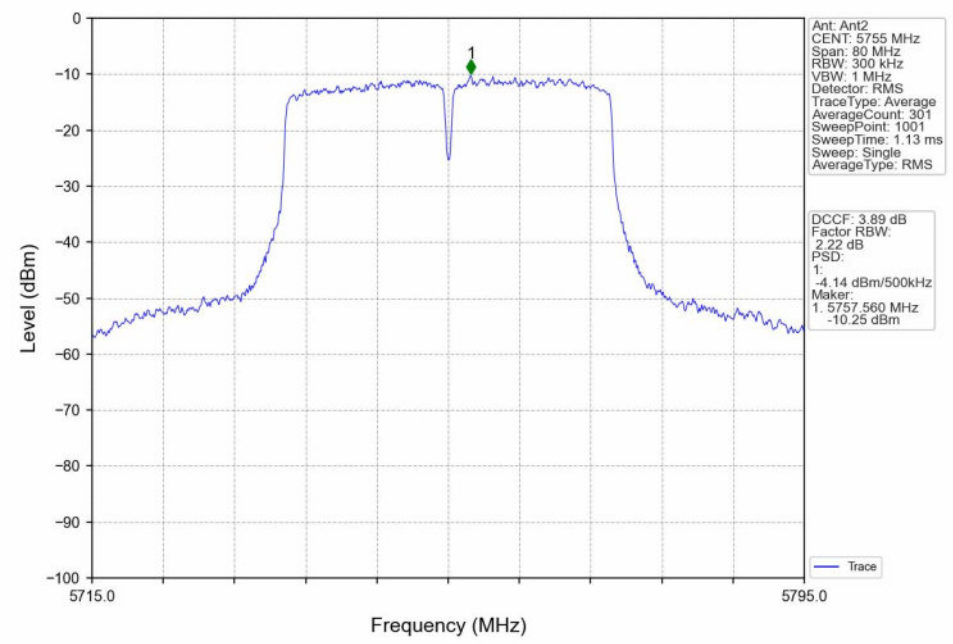
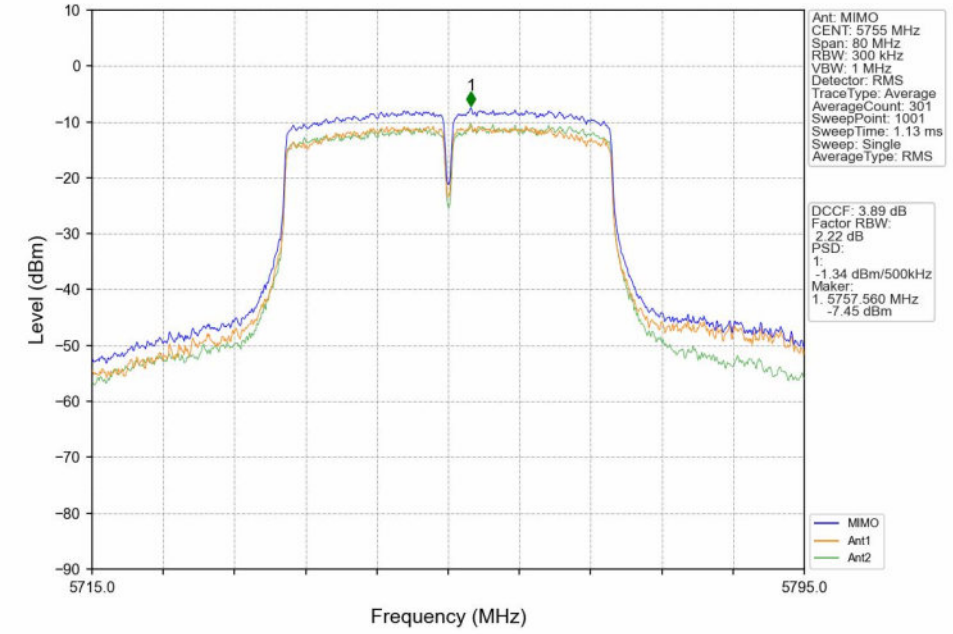
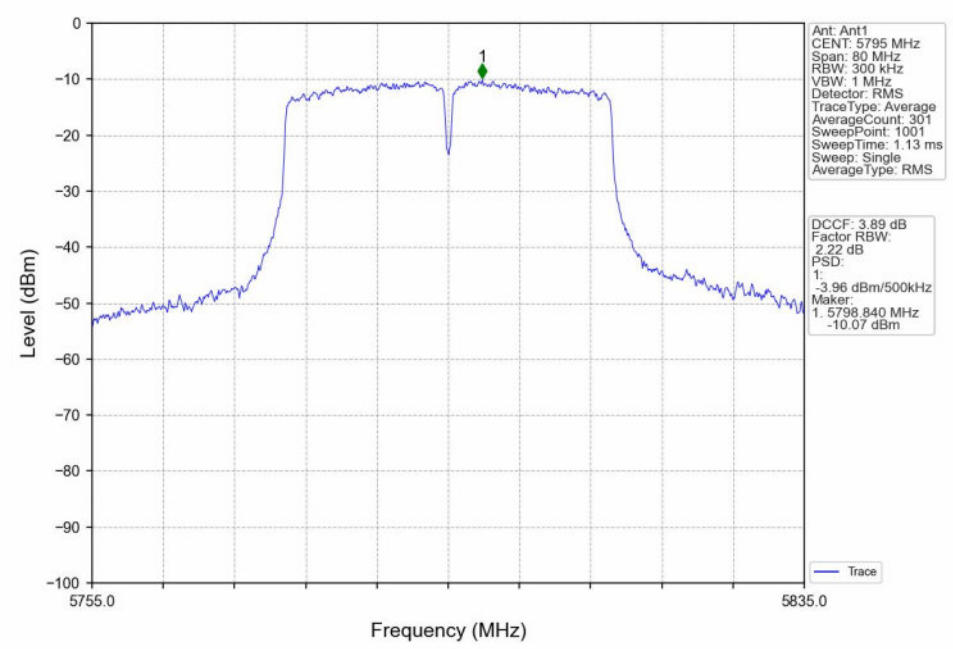


802.11ac(VHT40)_LCH_5755MHz_MIMO_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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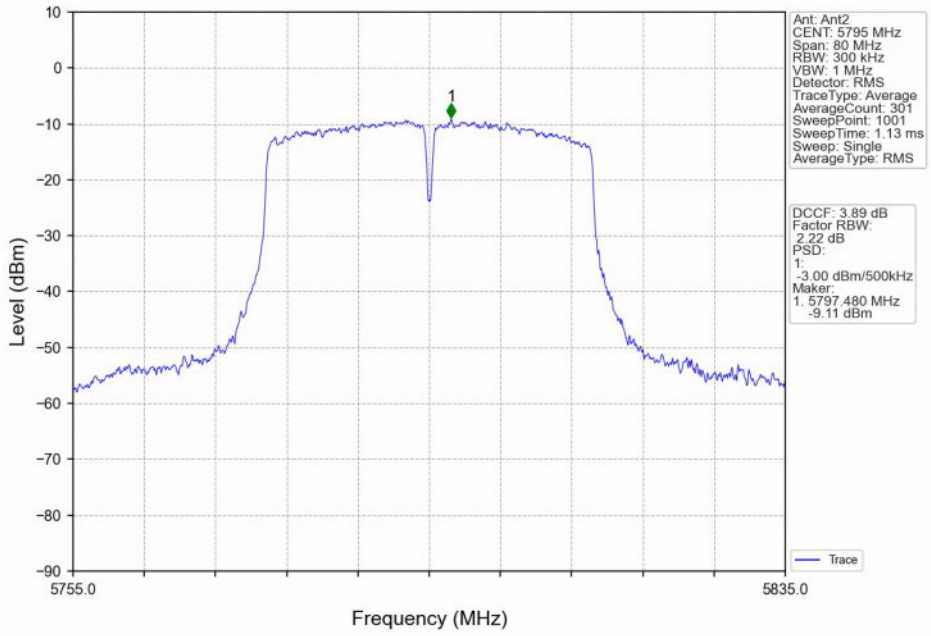
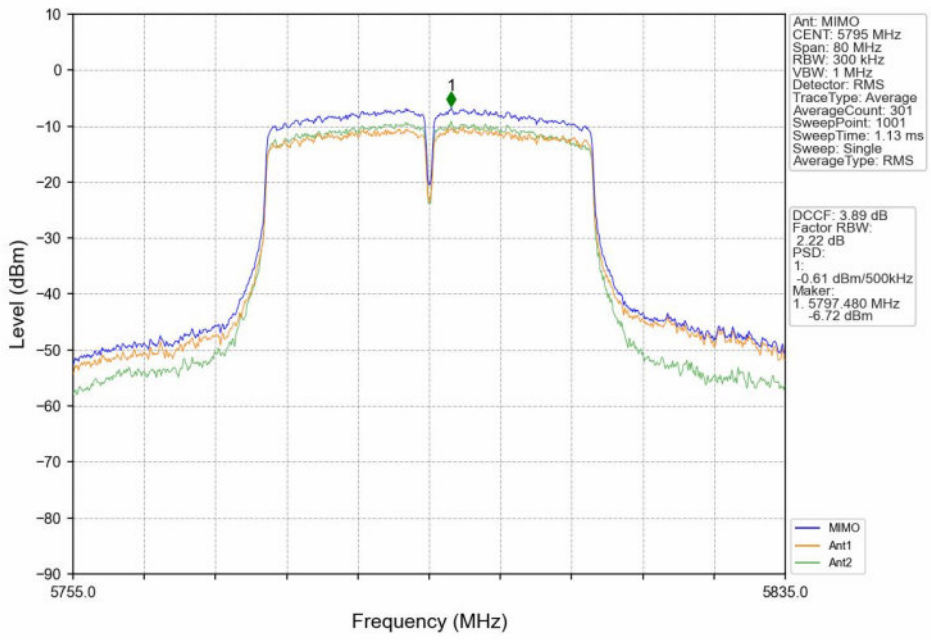
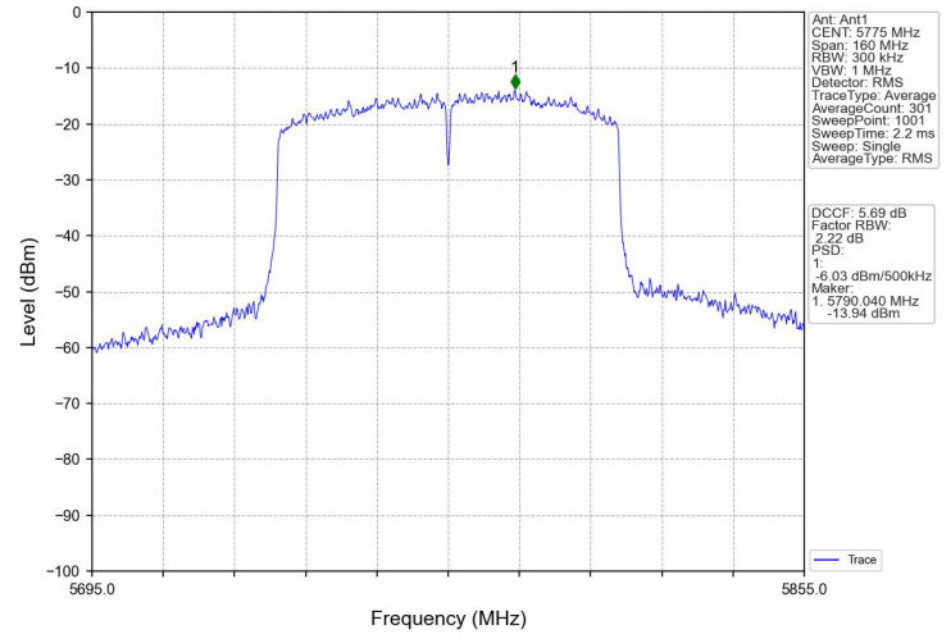


802.11ac(VHT40)_HCH_5795MHz_MIMO_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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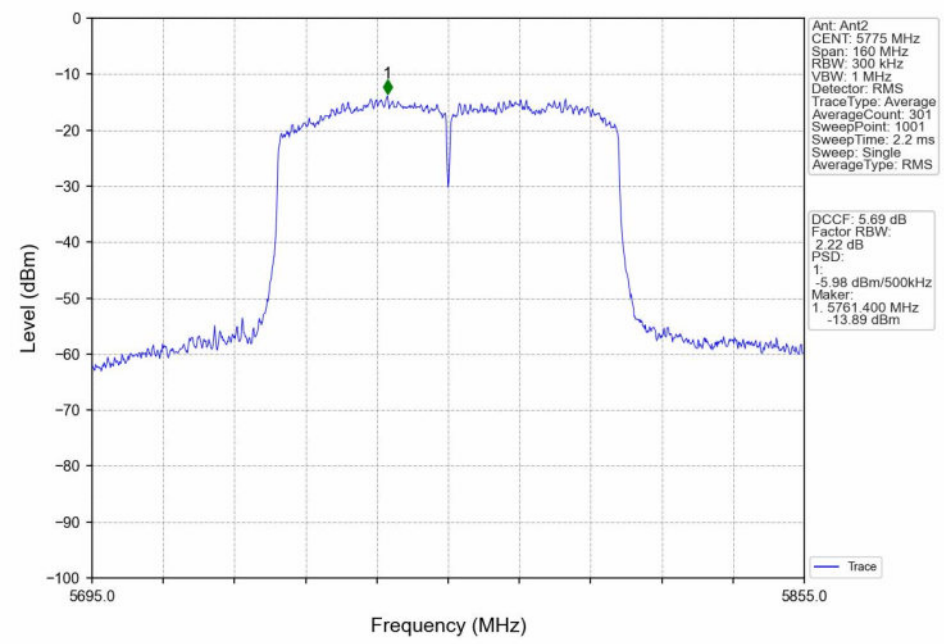
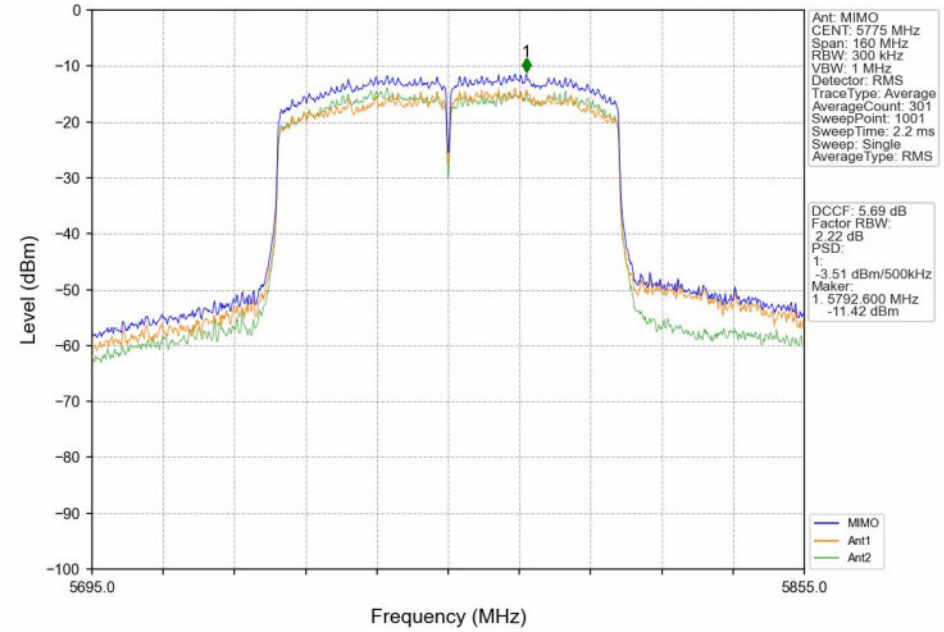


802.11ac(VHT80)_MCH_5775MHz_MIMO_NTNV



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	5745.262	5725 to 5850	Pass
				120	5745.262	5725 to 5850	Pass
				138	5745.264	5725 to 5850	Pass
			-30	120	5745.263	5725 to 5850	Pass
			-20	120	5745.264	5725 to 5850	Pass
			-10	120	5745.263	5725 to 5850	Pass
			0	120	5745.264	5725 to 5850	Pass
			10	120	5745.265	5725 to 5850	Pass
			30	120	5745.264	5725 to 5850	Pass
			40	120	5745.264	5725 to 5850	Pass
			50	120	5745.264	5725 to 5850	Pass
		5785	20	102	5785.264	5725 to 5850	Pass
				120	5785.264	5725 to 5850	Pass
				138	5785.264	5725 to 5850	Pass
			-30	120	5785.265	5725 to 5850	Pass
			-20	120	5785.264	5725 to 5850	Pass
			-10	120	5785.264	5725 to 5850	Pass
			0	120	5785.266	5725 to 5850	Pass
			10	120	5785.264	5725 to 5850	Pass
			30	120	5785.265	5725 to 5850	Pass
			40	120	5785.264	5725 to 5850	Pass
			50	120	5785.264	5725 to 5850	Pass
		5825	20	102	5825.263	5725 to 5850	Pass
				120	5825.263	5725 to 5850	Pass
				138	5825.264	5725 to 5850	Pass
			-30	120	5825.264	5725 to 5850	Pass
			-20	120	5825.264	5725 to 5850	Pass
			-10	120	5825.264	5725 to 5850	Pass
			0	120	5825.264	5725 to 5850	Pass
			10	120	5825.265	5725 to 5850	Pass
			30	120	5825.264	5725 to 5850	Pass
			40	120	5825.264	5725 to 5850	Pass
			50	120	5825.264	5725 to 5850	Pass
	MIMO	5755	20	102	5755.478	5725 to 5850	Pass
				120	5755.478	5725 to 5850	Pass
				138	5755.477	5725 to 5850	Pass
			-30	120	5755.478	5725 to 5850	Pass
			-20	120	5755.478	5725 to 5850	Pass
			-10	120	5755.477	5725 to 5850	Pass
			0	120	5755.478	5725 to 5850	Pass
			10	120	5755.479	5725 to 5850	Pass
			30	120	5755.478	5725 to 5850	Pass
			40	120	5755.479	5725 to 5850	Pass
			50	120	5755.478	5725 to 5850	Pass
		5795	20	102	5795.477	5725 to 5850	Pass
				120	5795.477	5725 to 5850	Pass

				138	5795.478	5725 to 5850	Pass
			-30	120	5795.478	5725 to 5850	Pass
			-20	120	5795.478	5725 to 5850	Pass
			-10	120	5795.477	5725 to 5850	Pass
			0	120	5795.477	5725 to 5850	Pass
			10	120	5795.477	5725 to 5850	Pass
			30	120	5795.477	5725 to 5850	Pass
			40	120	5795.478	5725 to 5850	Pass
			50	120	5795.477	5725 to 5850	Pass
		5775	20	102	5775.490	5725 to 5850	Pass
				120	5775.491	5725 to 5850	Pass
				138	5775.491	5725 to 5850	Pass
			-30	120	5775.490	5725 to 5850	Pass
			-20	120	5775.490	5725 to 5850	Pass
			-10	120	5775.490	5725 to 5850	Pass
			0	120	5775.491	5725 to 5850	Pass
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			40	120	5775.490	5725 to 5850	Pass
			50	120	5775.491	5725 to 5850	Pass