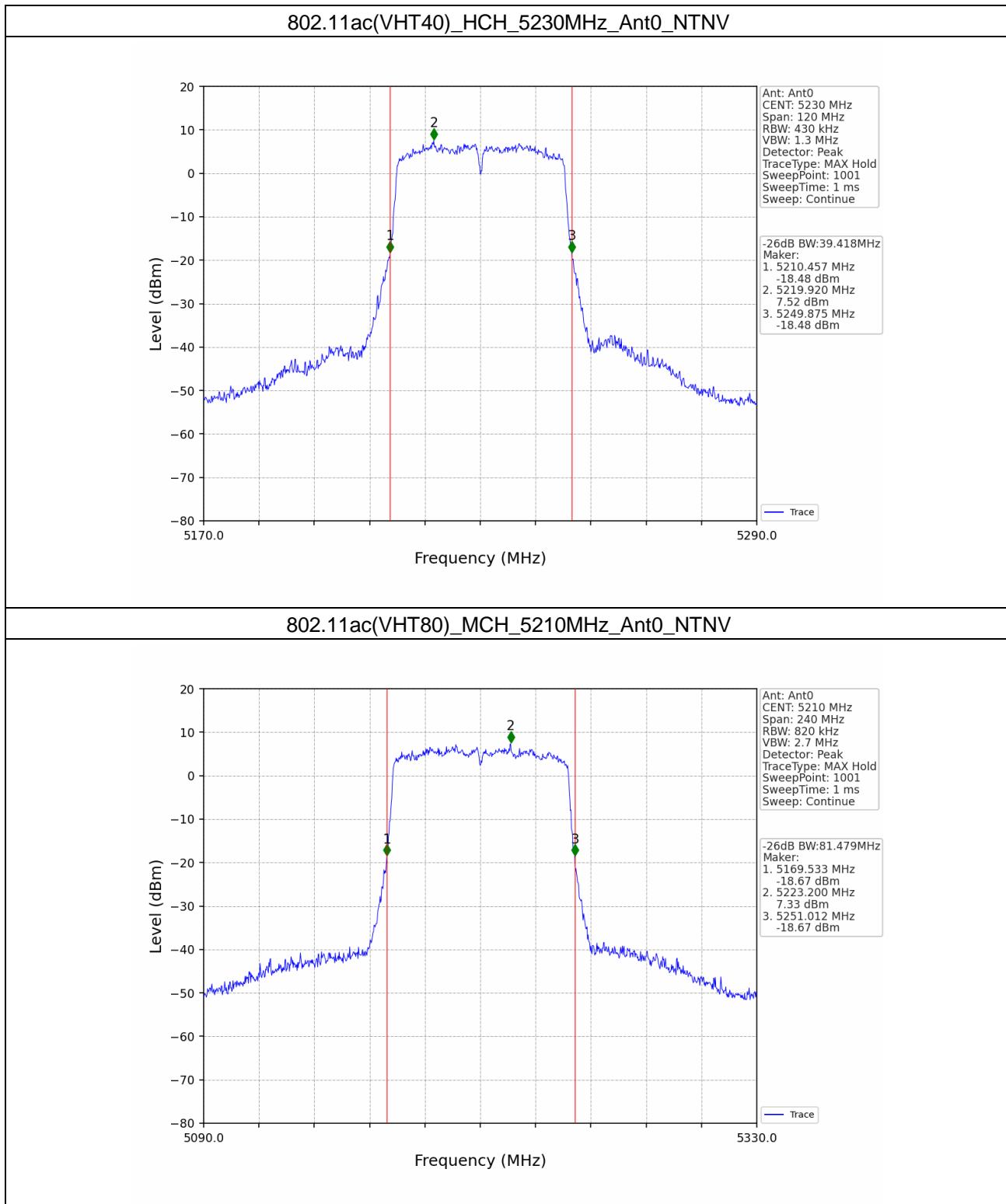


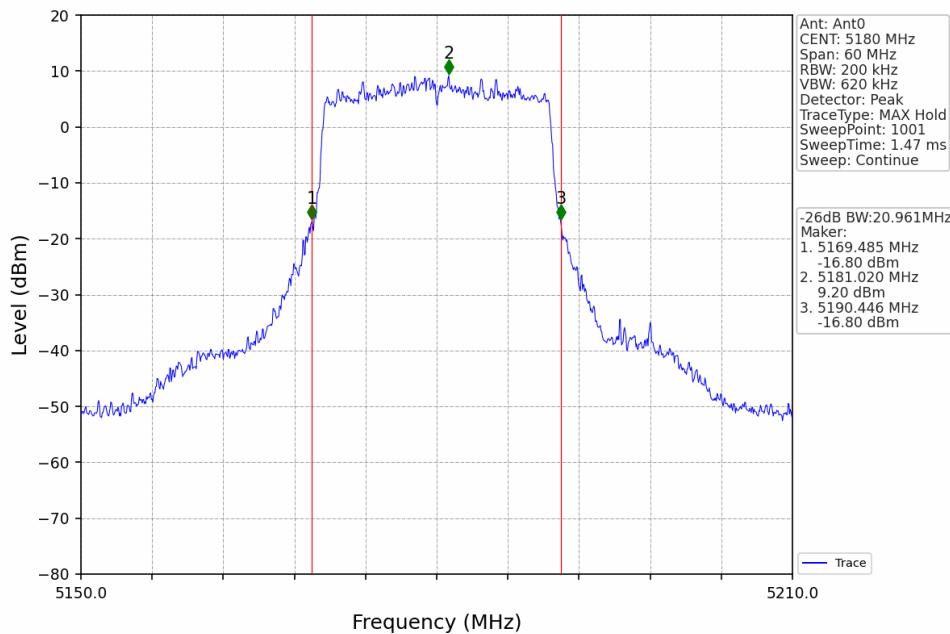
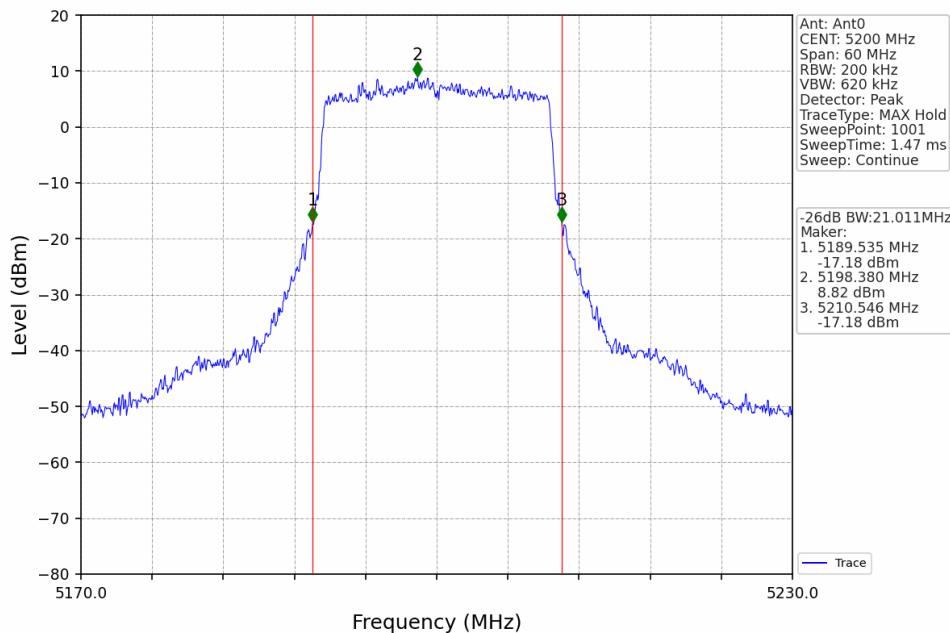
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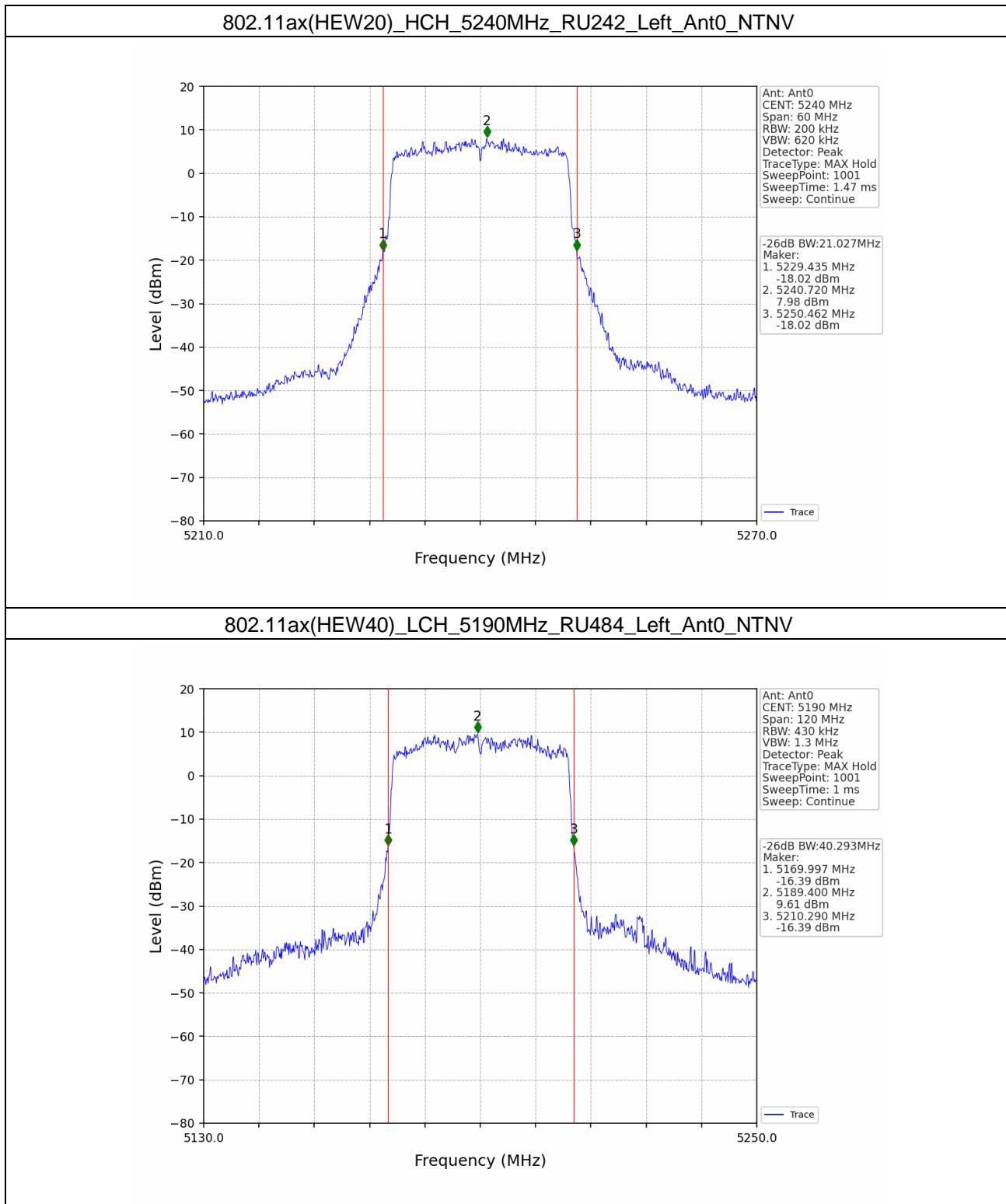
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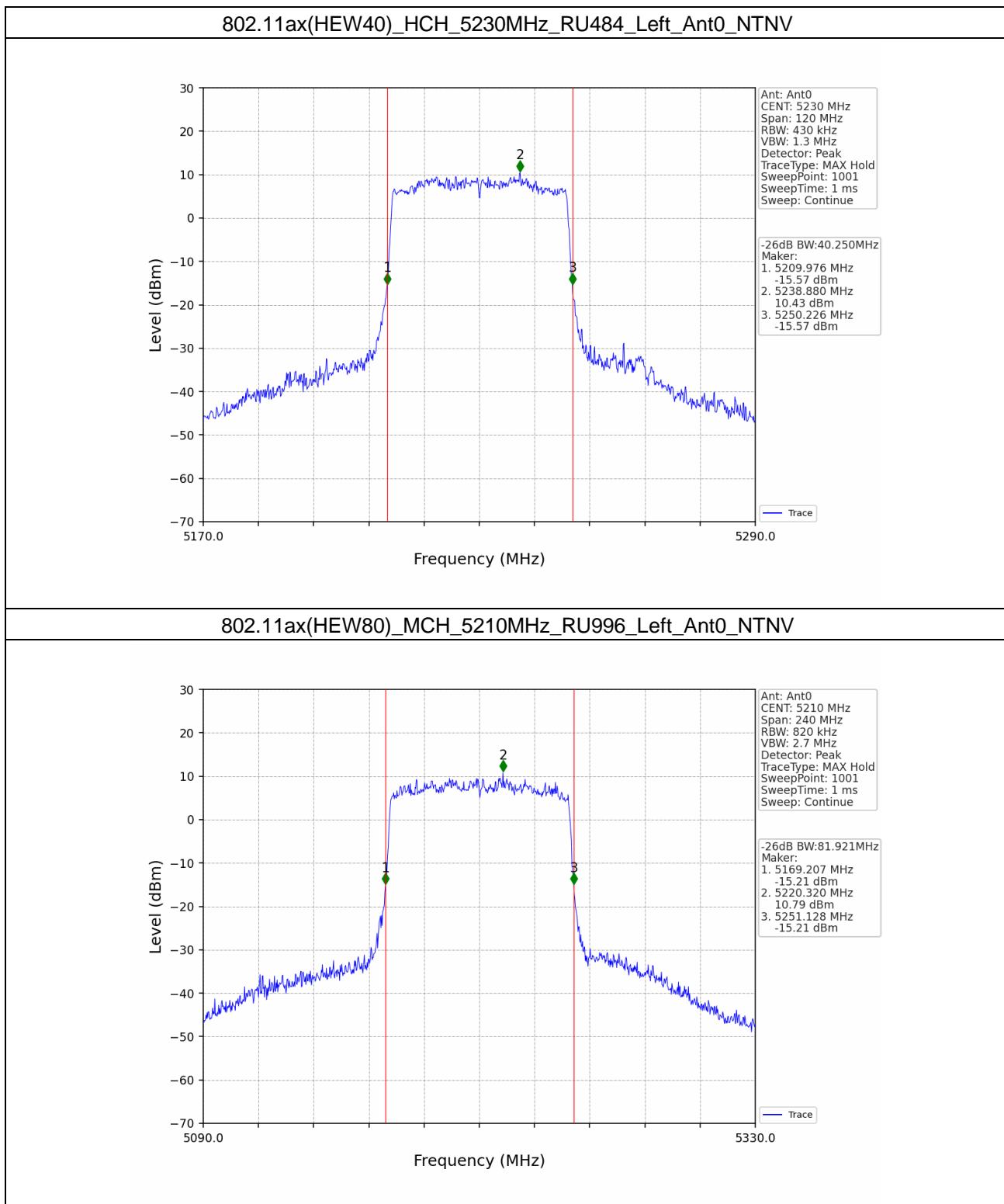
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802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant0_NTNV**802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant0_NTNV**

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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11a	SISO	5180	/	/	18.63	19.23	/	<=23.98	Pass
		5200	/	/	19.11	19.30	/	<=23.98	Pass
		5240	/	/	19.08	18.89	/	<=23.98	Pass
		5745	/	/	19.13	19.21	/	<=30	Pass
		5785	/	/	18.58	18.98	/	<=30	Pass
		5825	/	/	19.07	19.13	/	<=30	Pass
802.11n (HT20)	MIMO	5180	/	/	16.01	16.64	19.35	<=23.98	Pass
		5200	/	/	16.24	16.68	19.48	<=23.98	Pass
		5240	/	/	16.53	16.35	19.45	<=23.98	Pass
		5745	/	/	16.91	17.48	20.21	<=30	Pass
		5785	/	/	17.26	17.66	20.47	<=30	Pass
		5825	/	/	17.74	17.84	20.80	<=30	Pass
802.11n (HT40)	MIMO	5190	/	/	17.45	18.14	20.82	<=23.98	Pass
		5230	/	/	17.82	17.88	20.86	<=23.98	Pass
		5755	/	/	17.15	17.92	20.56	<=30	Pass
		5795	/	/	17.78	18.00	20.90	<=30	Pass
802.11ac (VHT20)	MIMO	5180	/	/	16.03	16.64	19.36	<=23.98	Pass
		5200	/	/	16.22	16.67	19.46	<=23.98	Pass
		5240	/	/	16.53	16.35	19.45	<=23.98	Pass
		5745	/	/	15.84	16.40	19.14	<=30	Pass
		5785	/	/	16.23	16.61	19.43	<=30	Pass
		5825	/	/	16.75	16.85	19.81	<=30	Pass
802.11ac (VHT40)	MIMO	5190	/	/	16.52	17.24	19.91	<=23.98	Pass
		5230	/	/	16.87	16.92	19.91	<=23.98	Pass
		5755	/	/	16.05	16.80	19.45	<=30	Pass
		5795	/	/	16.68	16.94	19.82	<=30	Pass
802.11ac (VHT80)	MIMO	5210	/	/	16.42	16.85	19.65	<=23.98	Pass
		5775	/	/	16.77	17.71	20.28	<=30	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	16.24	17.16	19.73	<=23.98	Pass
		5200	RU242	Left	16.40	16.90	19.67	<=23.98	Pass

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SZEMC-TRF-01 Rev. A/1

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		5240	RU242	Left	16.58	16.64	19.62	<=23.98	Pass
		5745	RU242	Left	16.75	17.67	20.24	<=30	Pass
		5785	RU242	Left	17.14	17.94	20.57	<=30	Pass
		5825	RU242	Left	17.84	18.13	21.00	<=30	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	17.27	18.06	20.69	<=23.98	Pass
		5230	RU484	Left	17.47	17.62	20.56	<=23.98	Pass
		5755	RU484	Left	16.58	17.70	20.19	<=30	Pass
		5795	RU484	Left	17.24	17.81	20.54	<=30	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	17.25	17.74	20.51	<=23.98	Pass
		5775	RU996	Left	16.69	17.59	20.17	<=30	Pass

Note1: Antenna Gain (U-NII-1): ANT0: 1dBi; ANT1: 1dBi
 directional gain (dBi) for U-NII-1 = gain of individual transmit antennas (dBi) + array gain (dB)=1dBi
 Array Gain = 0 dB for NANT ≤ 4
 Antenna Gain (U-NII-3): ANT0: 3dBi; ANT1: 3dBi
 directional gain (dBi) for U-NII-3 = gain of individual transmit antennas (dBi) + array gain (dB)=3dBi
 Array Gain = 0 dB for NANT ≤ 4

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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11a	SISO	5180	/	/	7.98	8.23	/	<=11	Pass
		5200	/	/	8.11	8.30	/	<=11	Pass
		5240	/	/	8.31	7.84	/	<=11	Pass
802.11n (HT20)	MIMO	5180	/	/	5.41	5.41	8.27	<=11	Pass
		5200	/	/	5.50	5.51	8.42	<=11	Pass
		5240	/	/	5.78	5.09	8.38	<=11	Pass
802.11n (HT40)	MIMO	5190	/	/	3.65	3.86	6.70	<=11	Pass
		5230	/	/	3.98	3.56	6.70	<=11	Pass
802.11ac (VHT20)	MIMO	5180	/	/	5.44	5.46	8.34	<=11	Pass
		5200	/	/	5.62	5.43	8.48	<=11	Pass
		5240	/	/	5.80	5.15	8.43	<=11	Pass
802.11ac (VHT40)	MIMO	5190	/	/	2.68	3.04	5.75	<=11	Pass
		5230	/	/	2.90	2.65	5.66	<=11	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-0.60	-0.35	2.29	<=11	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	5.38	5.80	8.49	<=11	Pass
		5200	RU242	Left	5.45	5.42	8.45	<=11	Pass
		5240	RU242	Left	5.66	5.15	8.31	<=11	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	3.47	3.73	6.47	<=11	Pass
		5230	RU484	Left	3.52	3.19	6.18	<=11	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.08	0.05	2.92	<=11	Pass

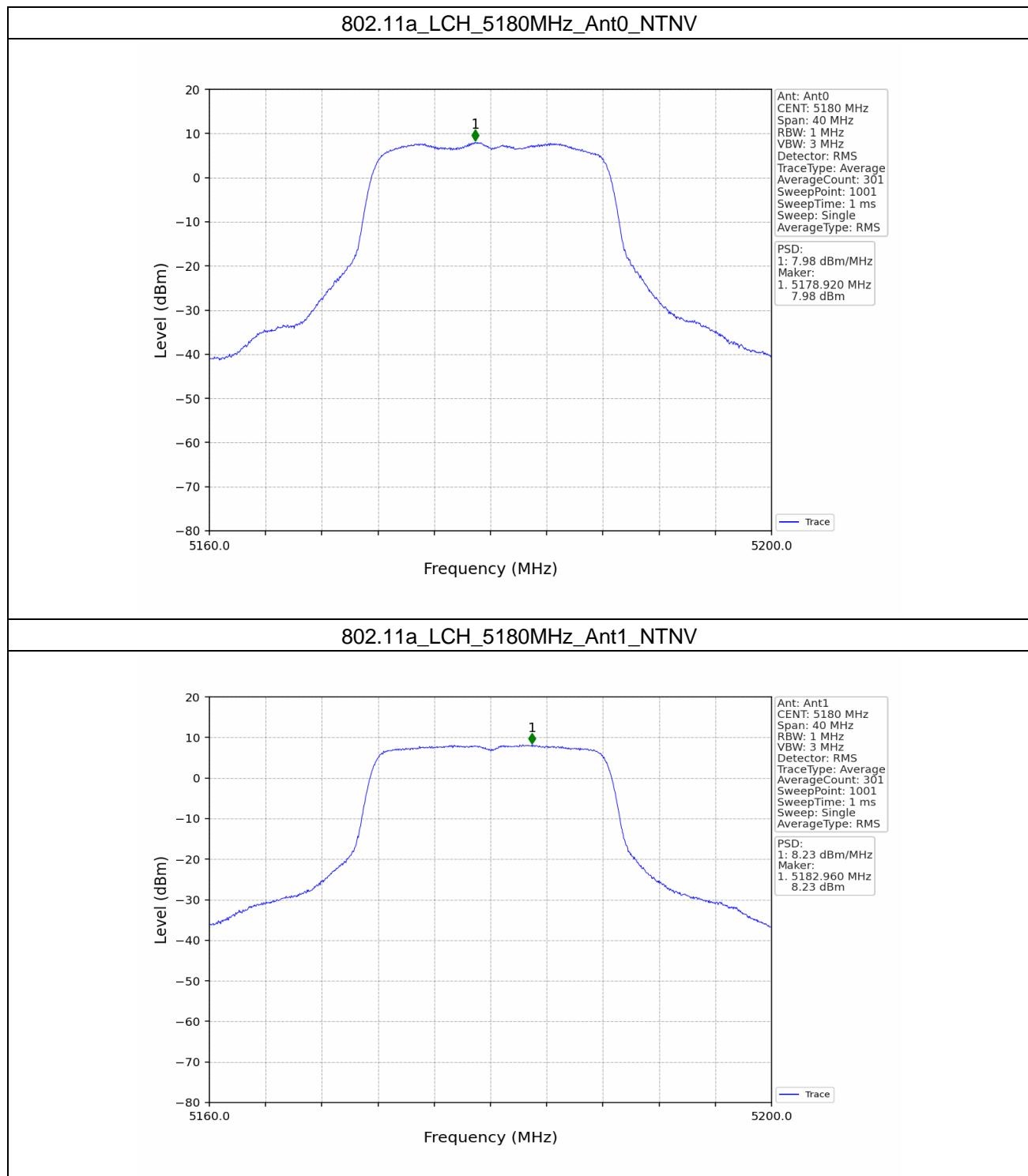
Note1: Antenna Gain (U-NII-1): ANT0: 1dBi; ANT1: 1dBi
 directional gain (dBi) for U-NII-1 = gain of individual transmit antennas (dBi) + array gain (dB)=4.01dB
 Array gain = $10 \log(N_{ANT})$, where N_{ANT} is the number of transmit antennas

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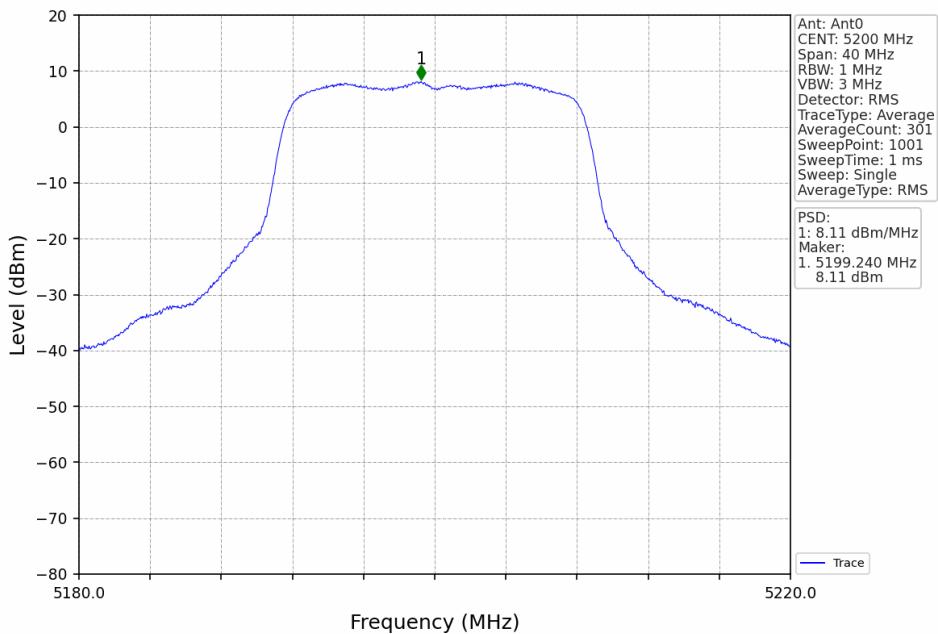
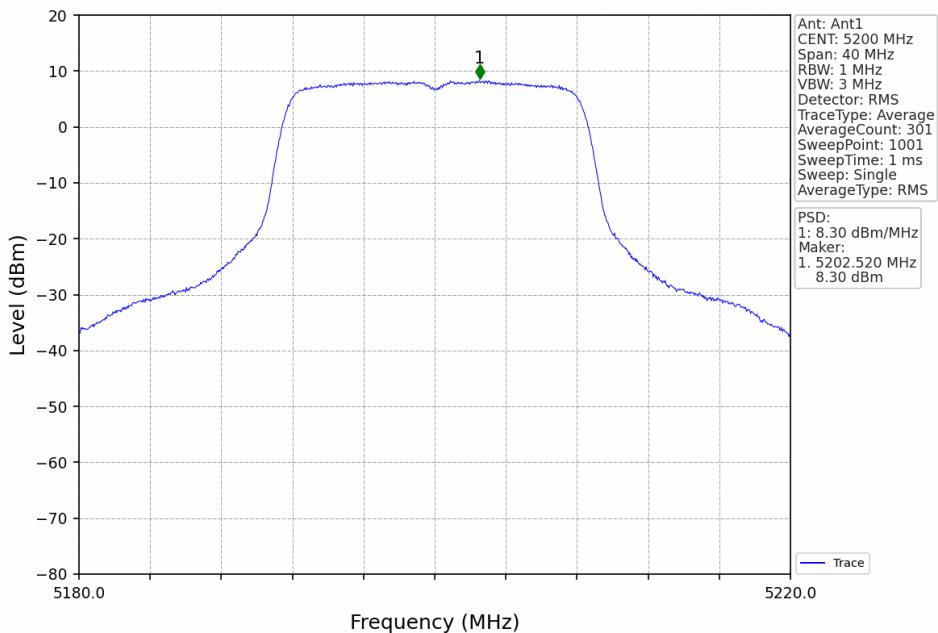
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4.1.2 Test Graph

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802.11a_MCH_5200MHz_Ant0_NTNV**802.11a_MCH_5200MHz_Ant1_NTNV**

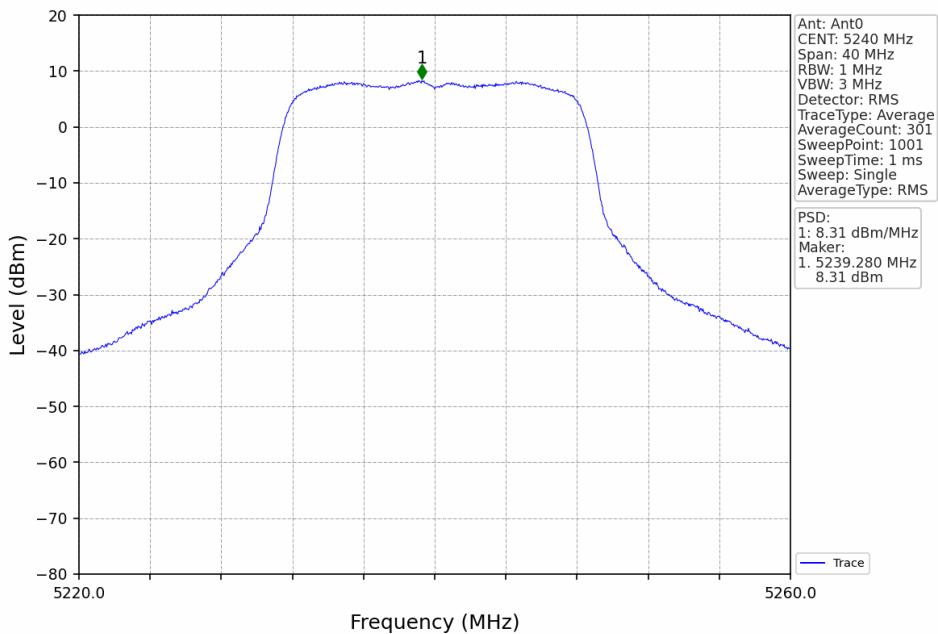
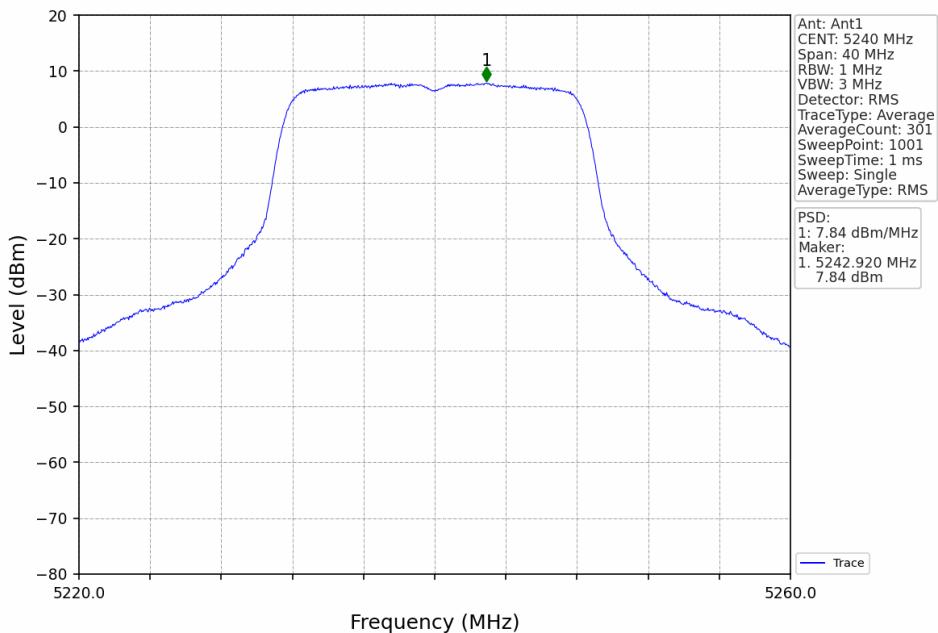
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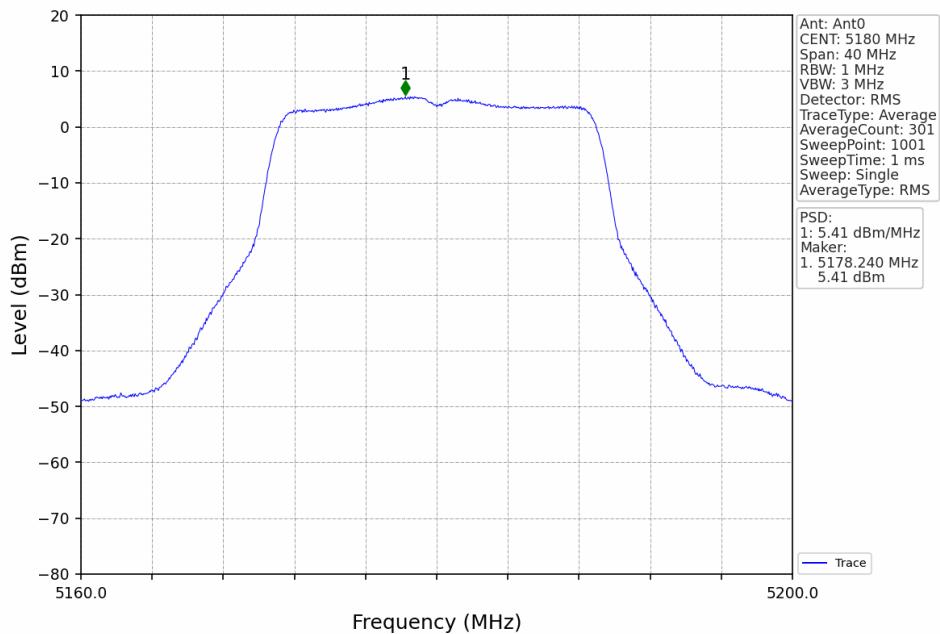
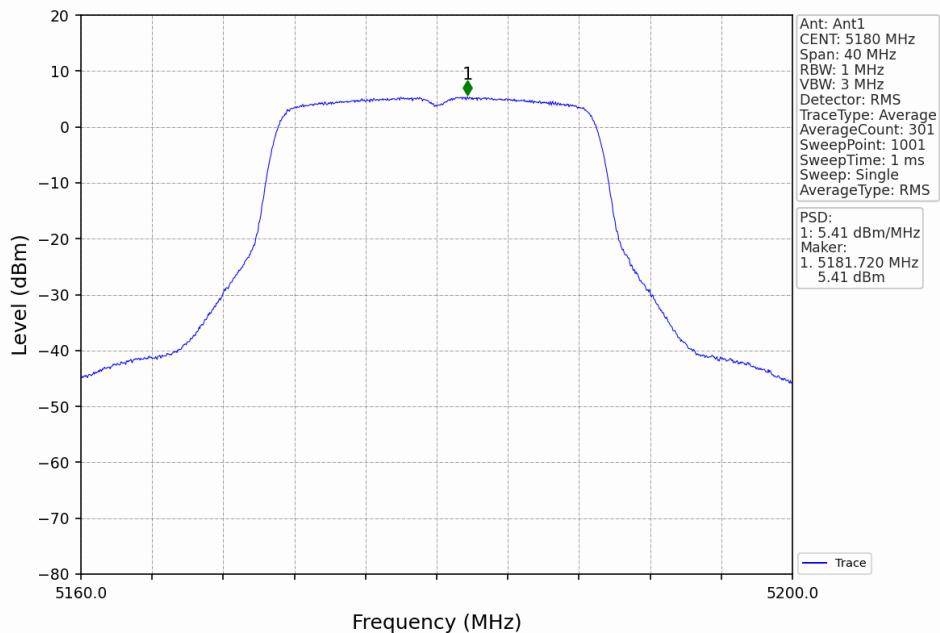
802.11a_HCH_5240MHz_Ant0_NTNV**802.11a_HCH_5240MHz_Ant1_NTNV**

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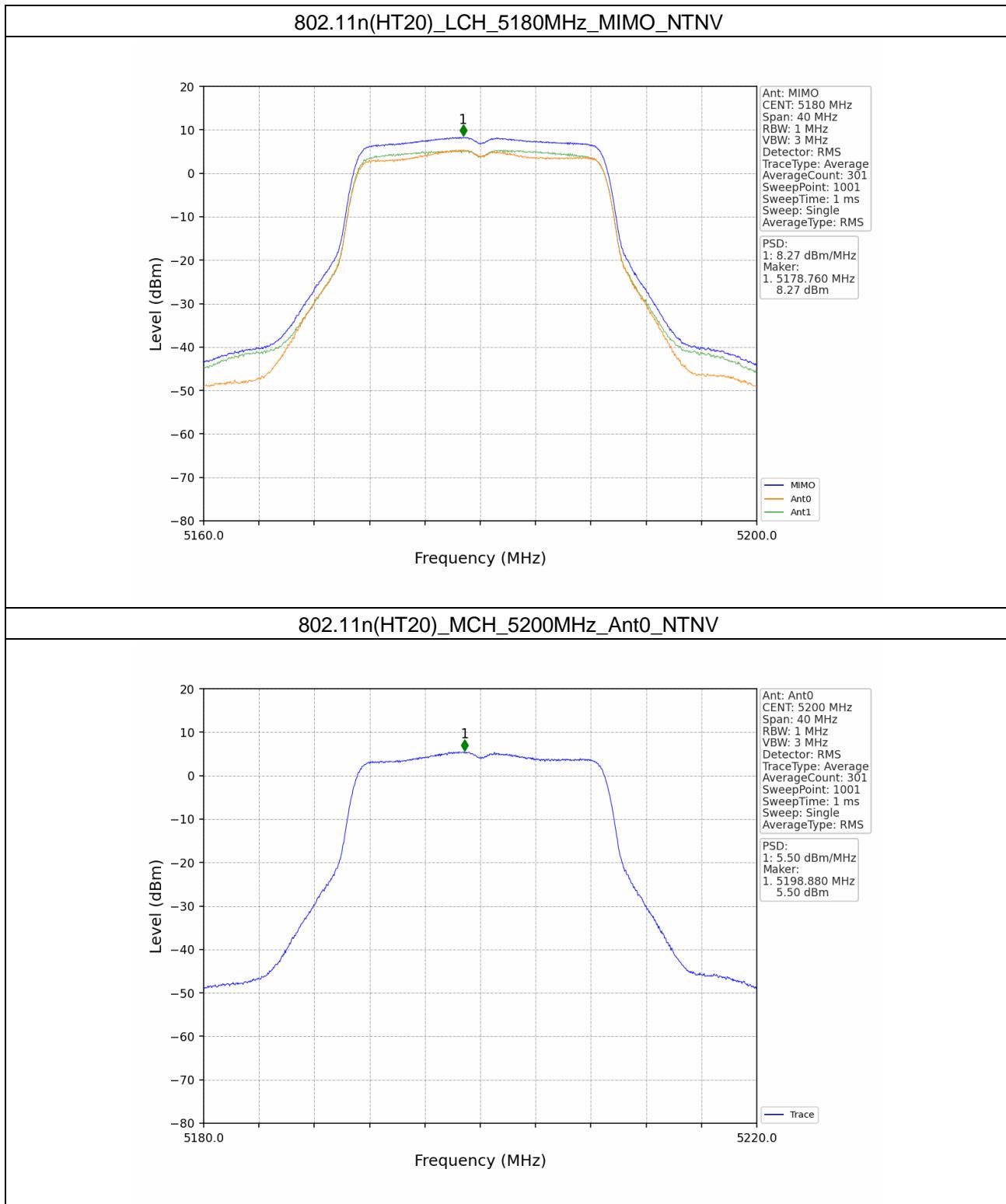
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802.11n(HT20)_LCH_5180MHz_Ant0_NTNV**802.11n(HT20)_LCH_5180MHz_Ant1_NTNV**

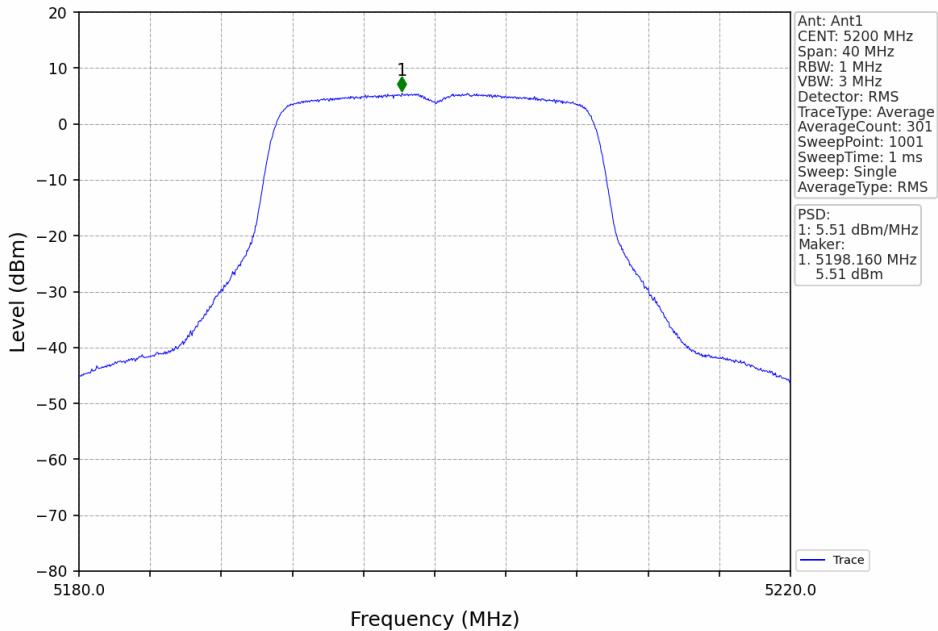
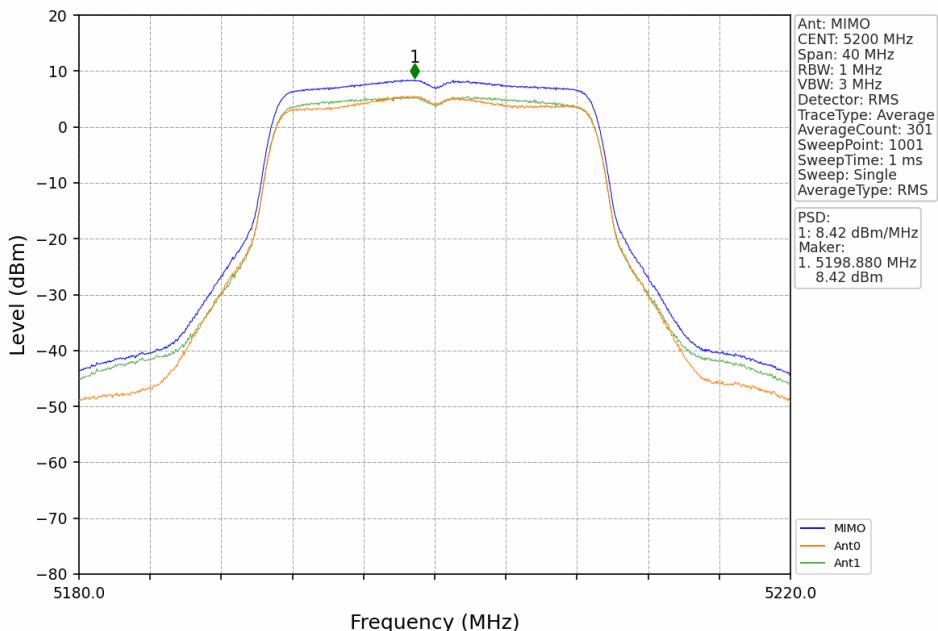
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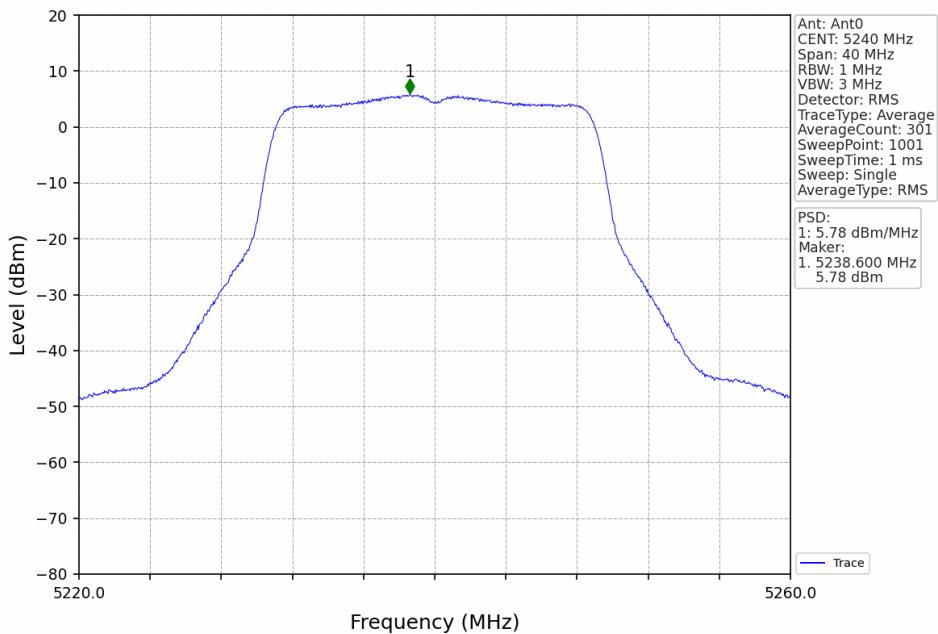
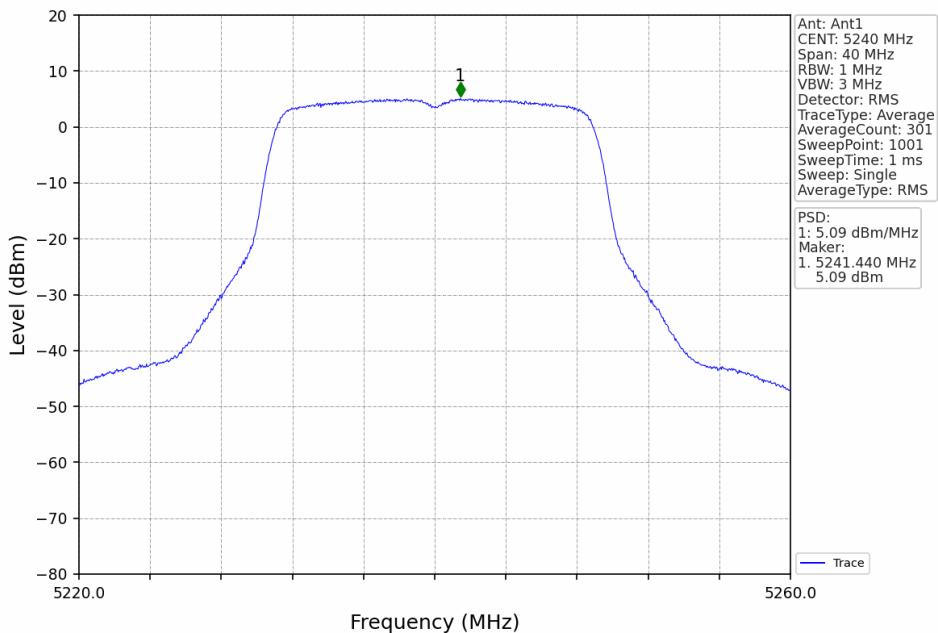
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV**802.11n(HT20)_MCH_5200MHz_MIMO_NTNV**

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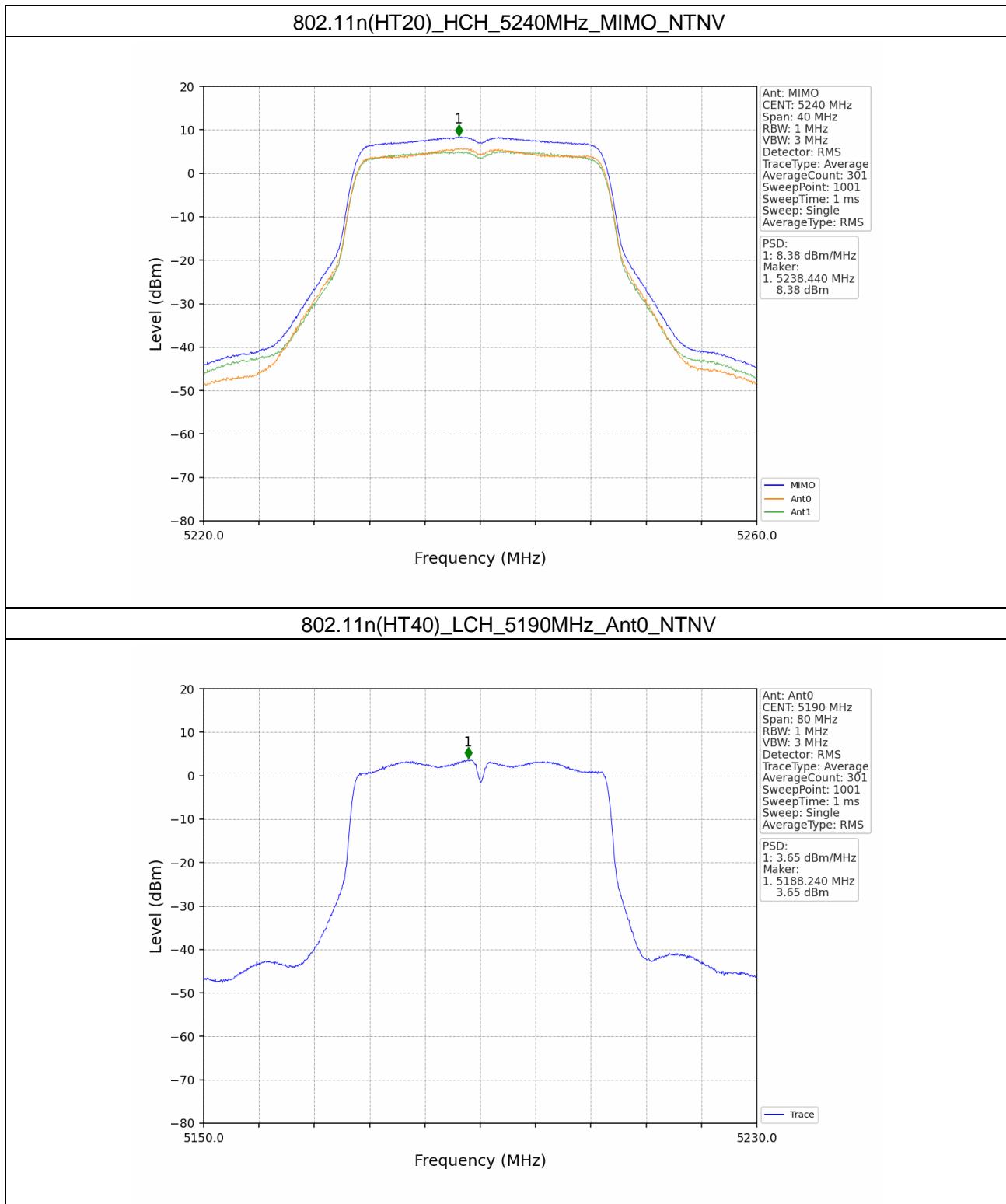
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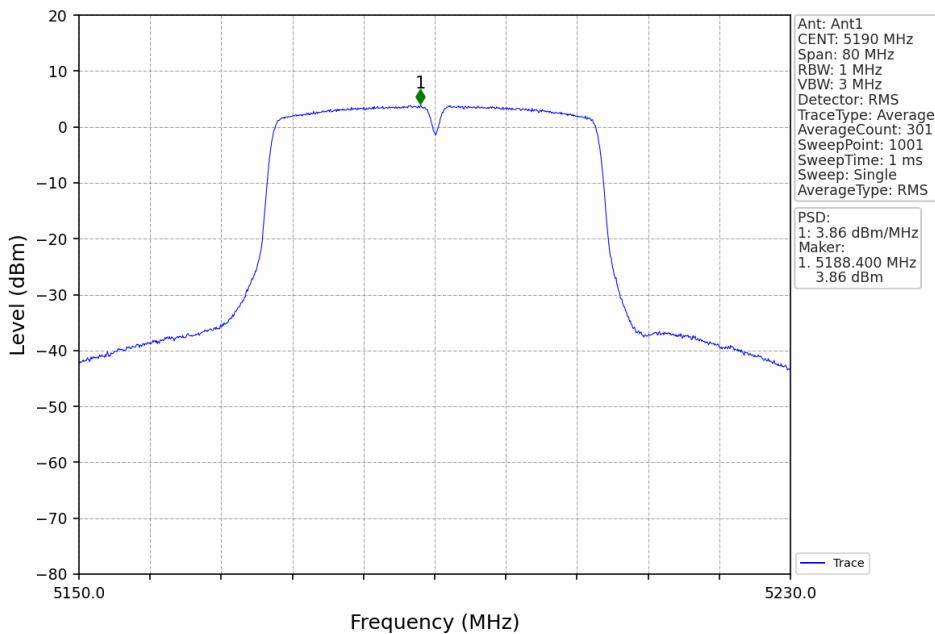
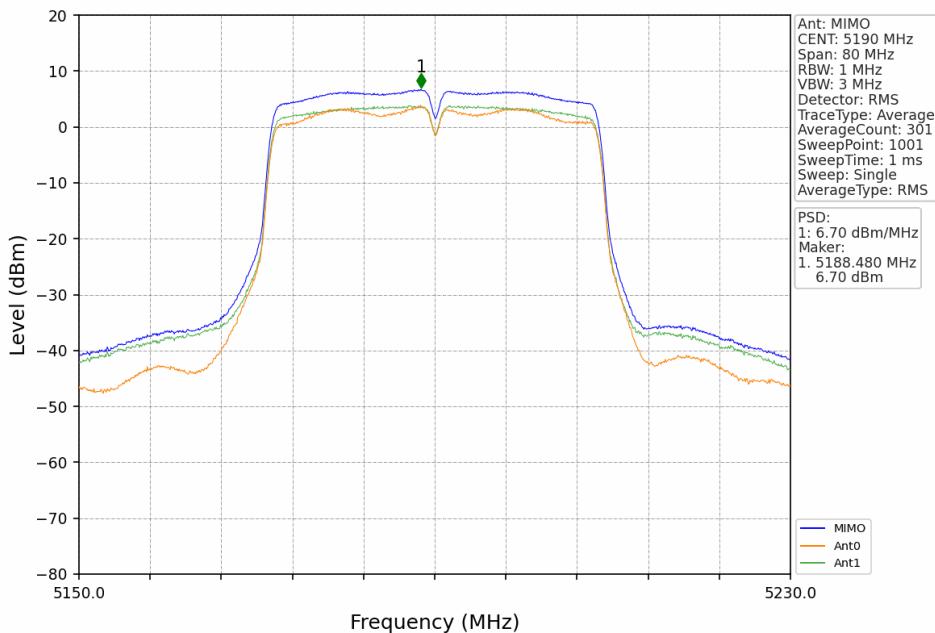
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV**802.11n(HT40)_LCH_5190MHz_MIMO_NTNV**

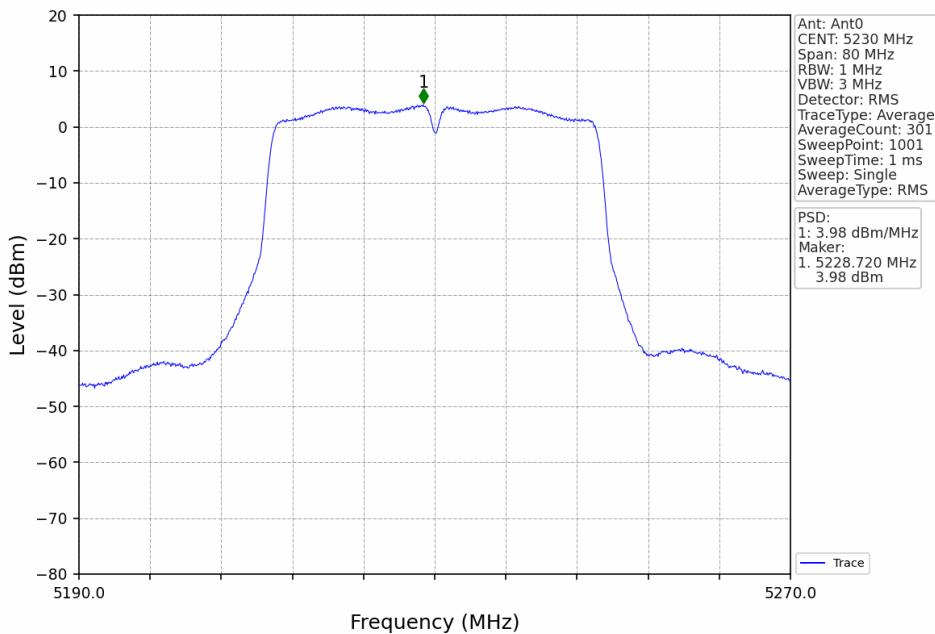
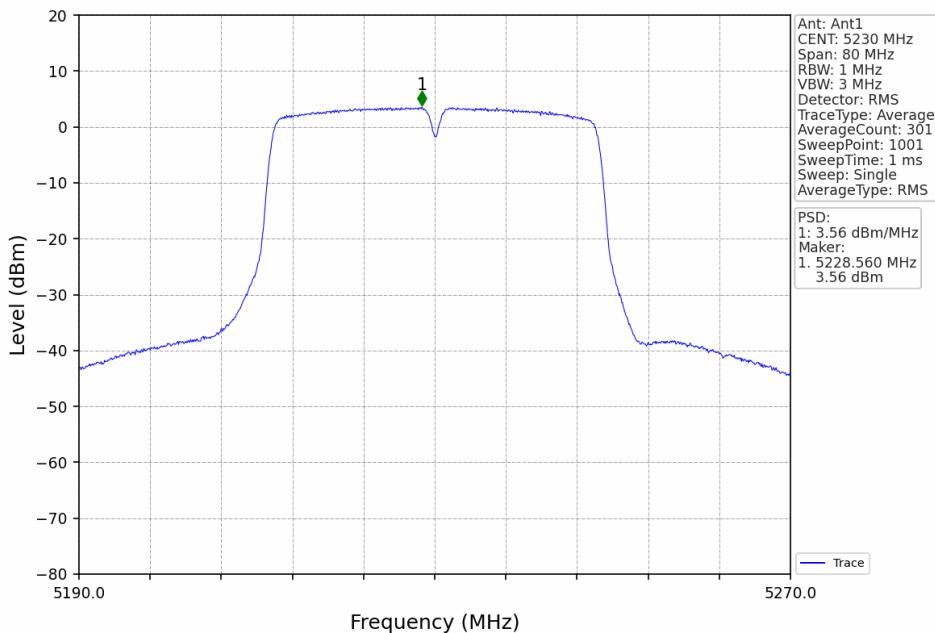
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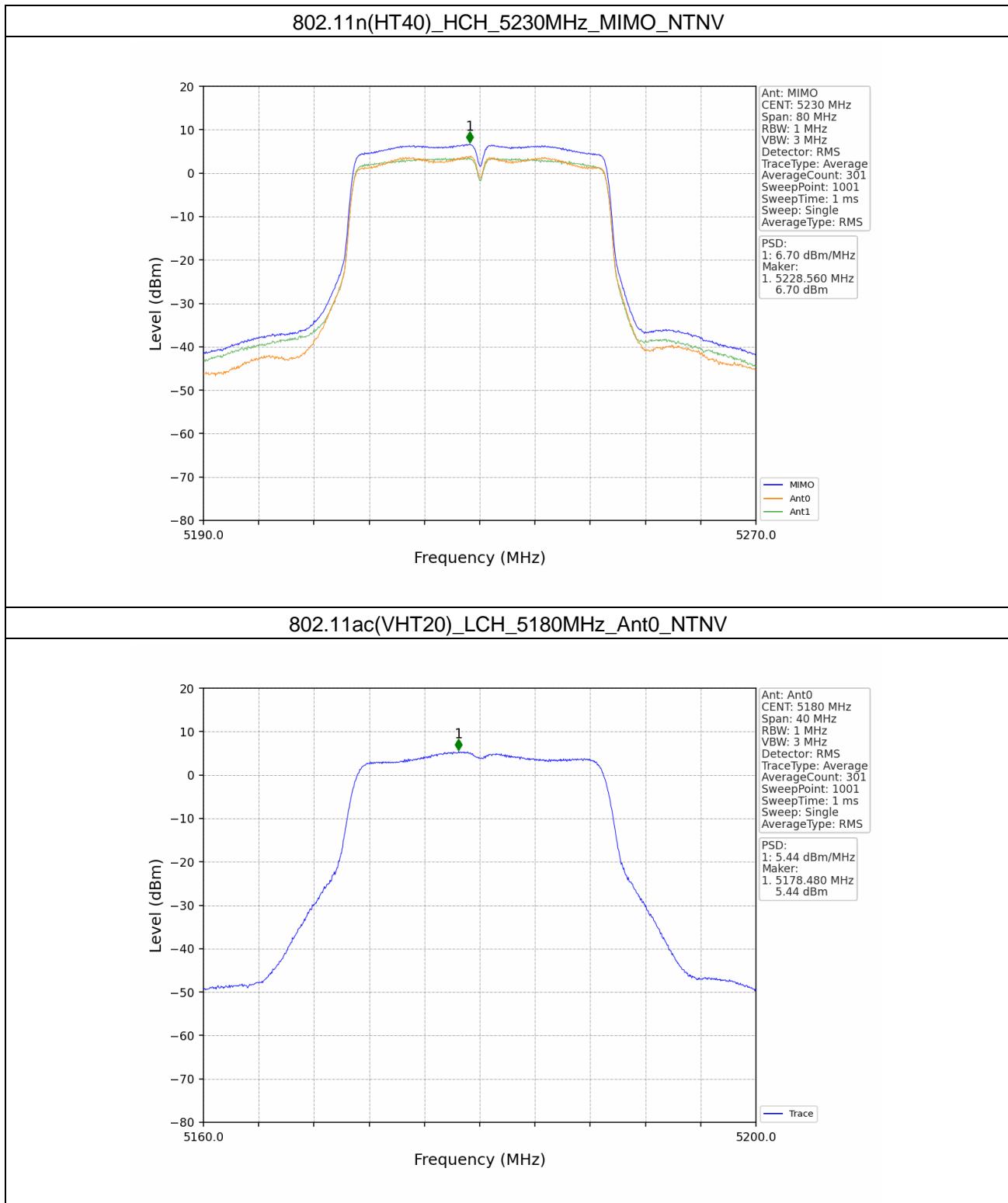
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802.11n(HT40)_HCH_5230MHz_Ant0_NTNV**802.11n(HT40)_HCH_5230MHz_Ant1_NTNV**

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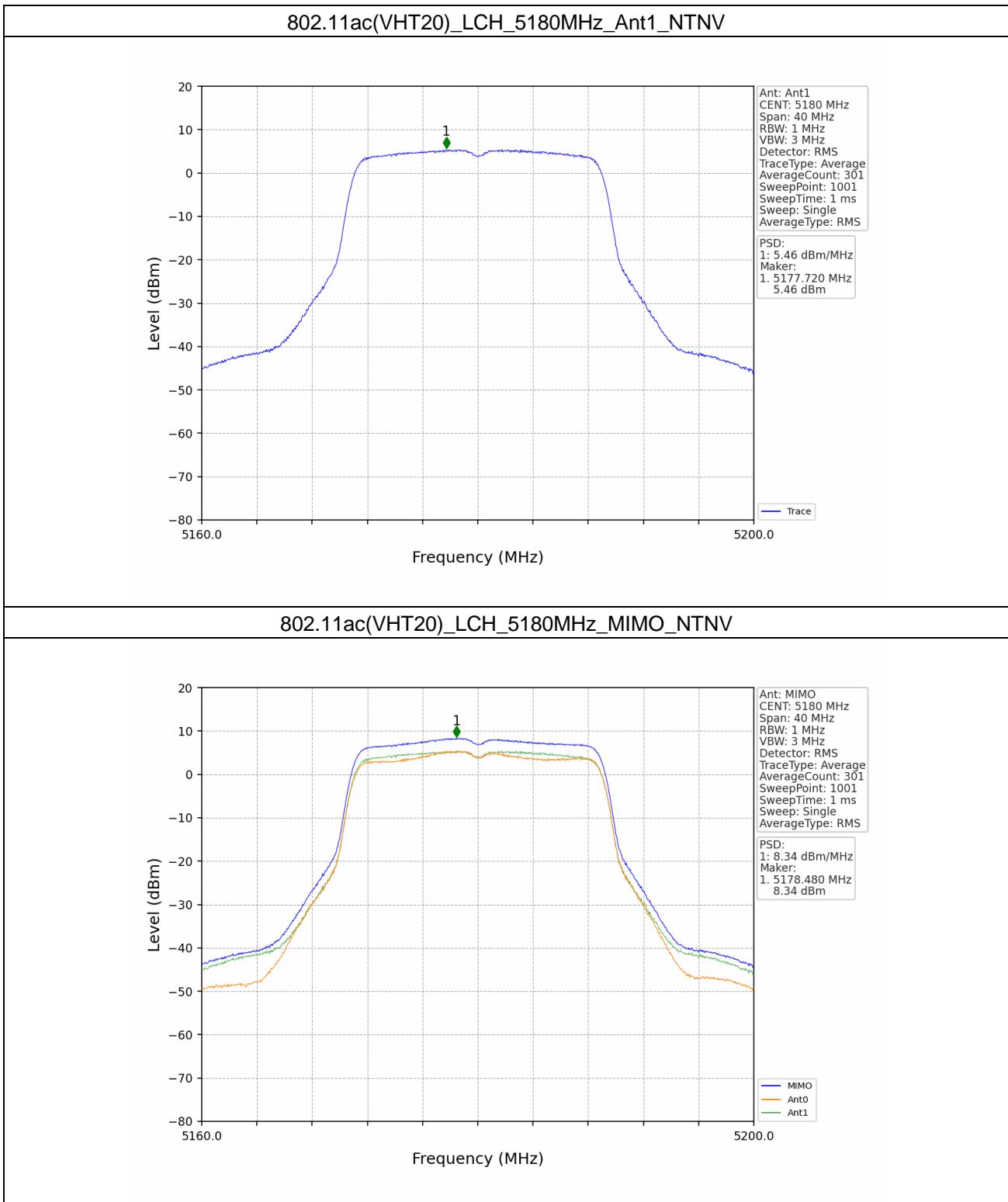
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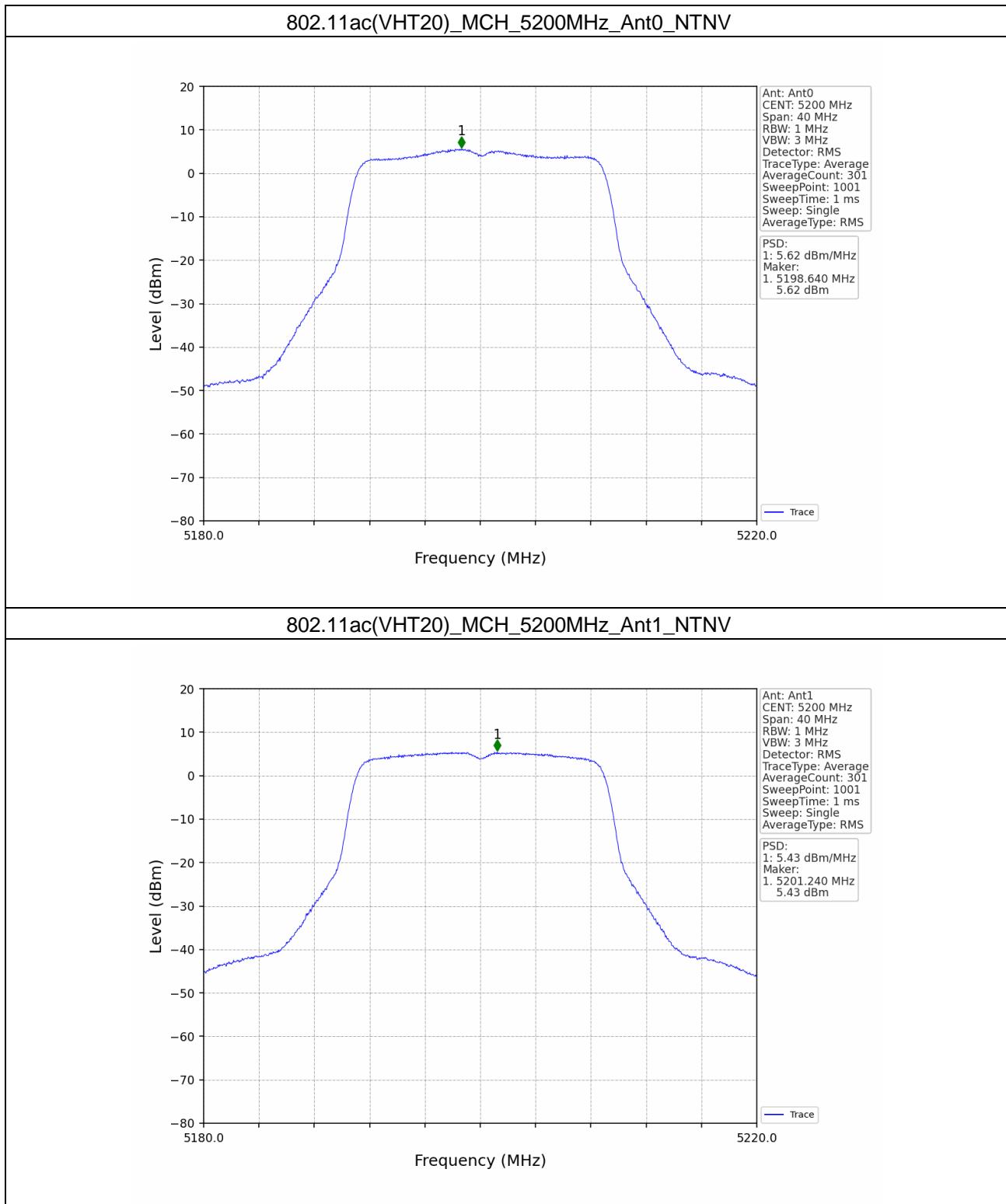
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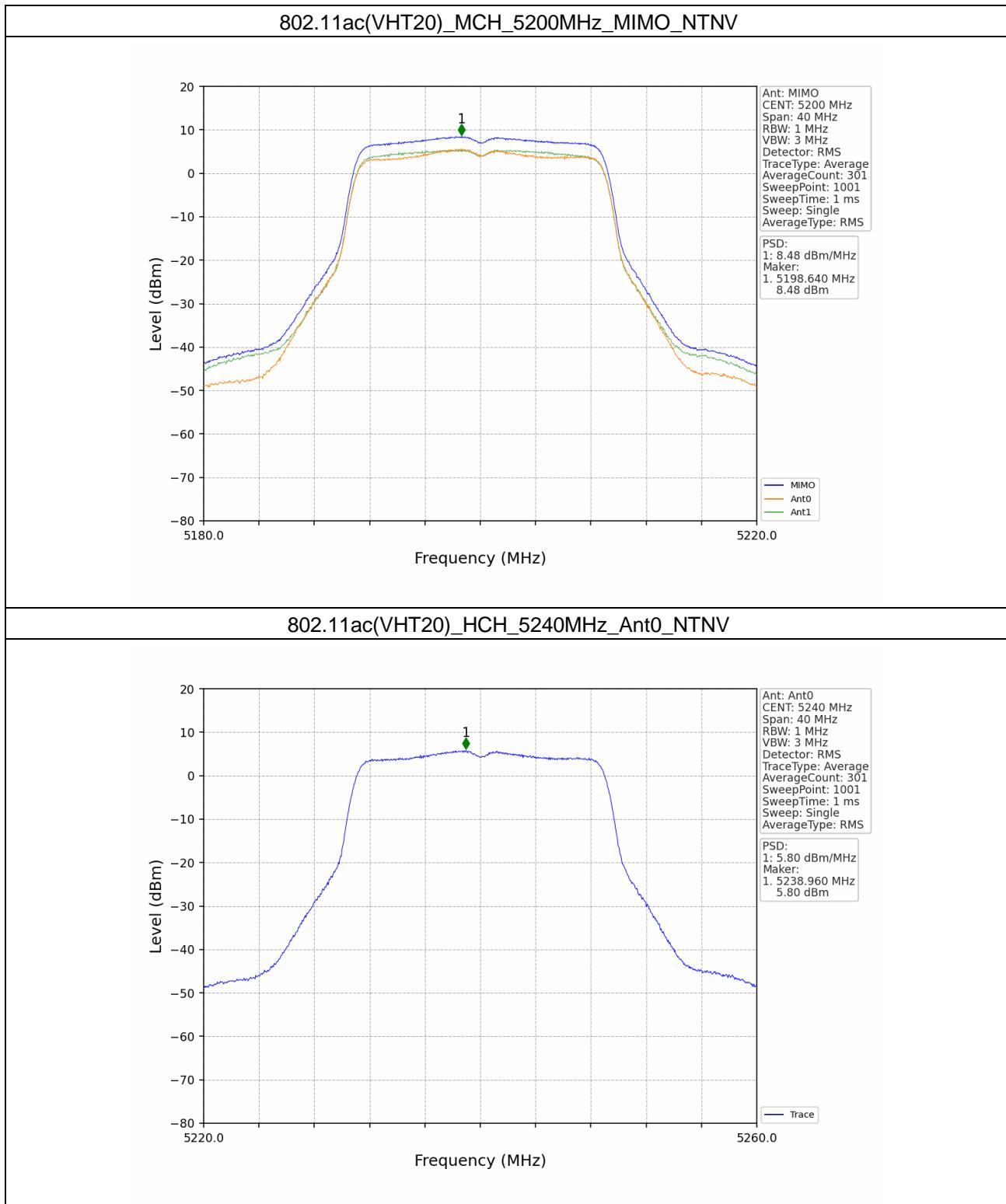
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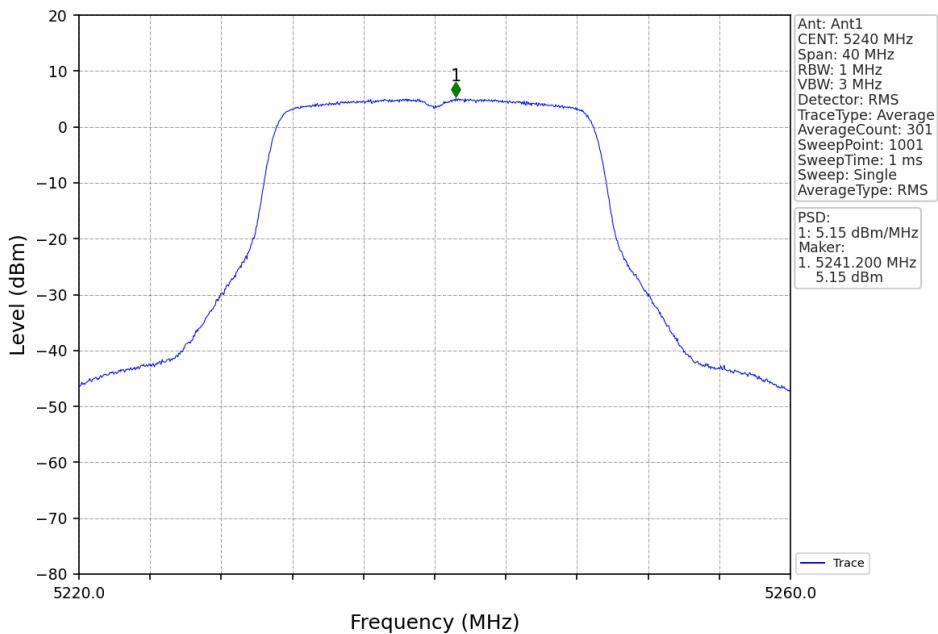
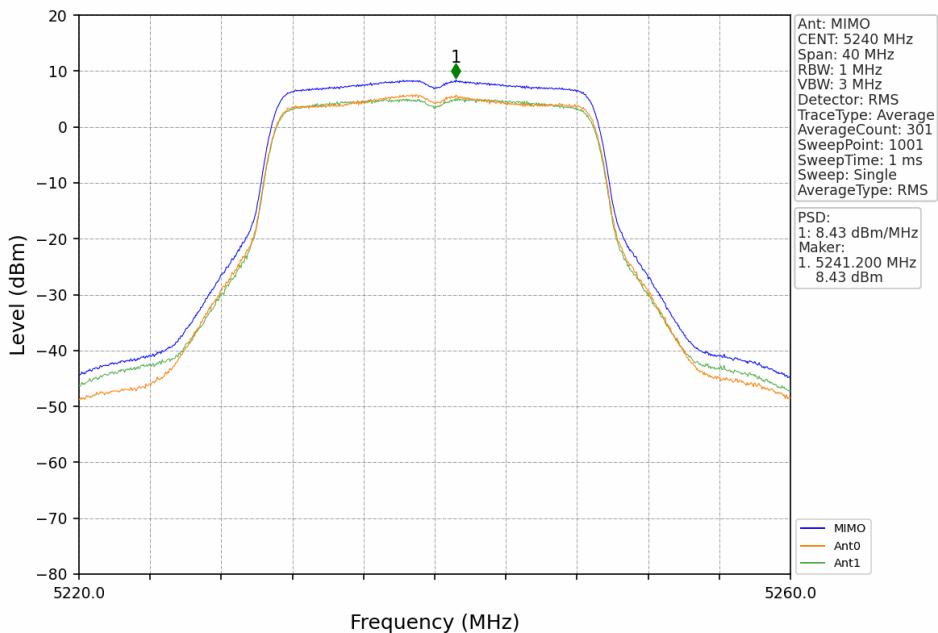
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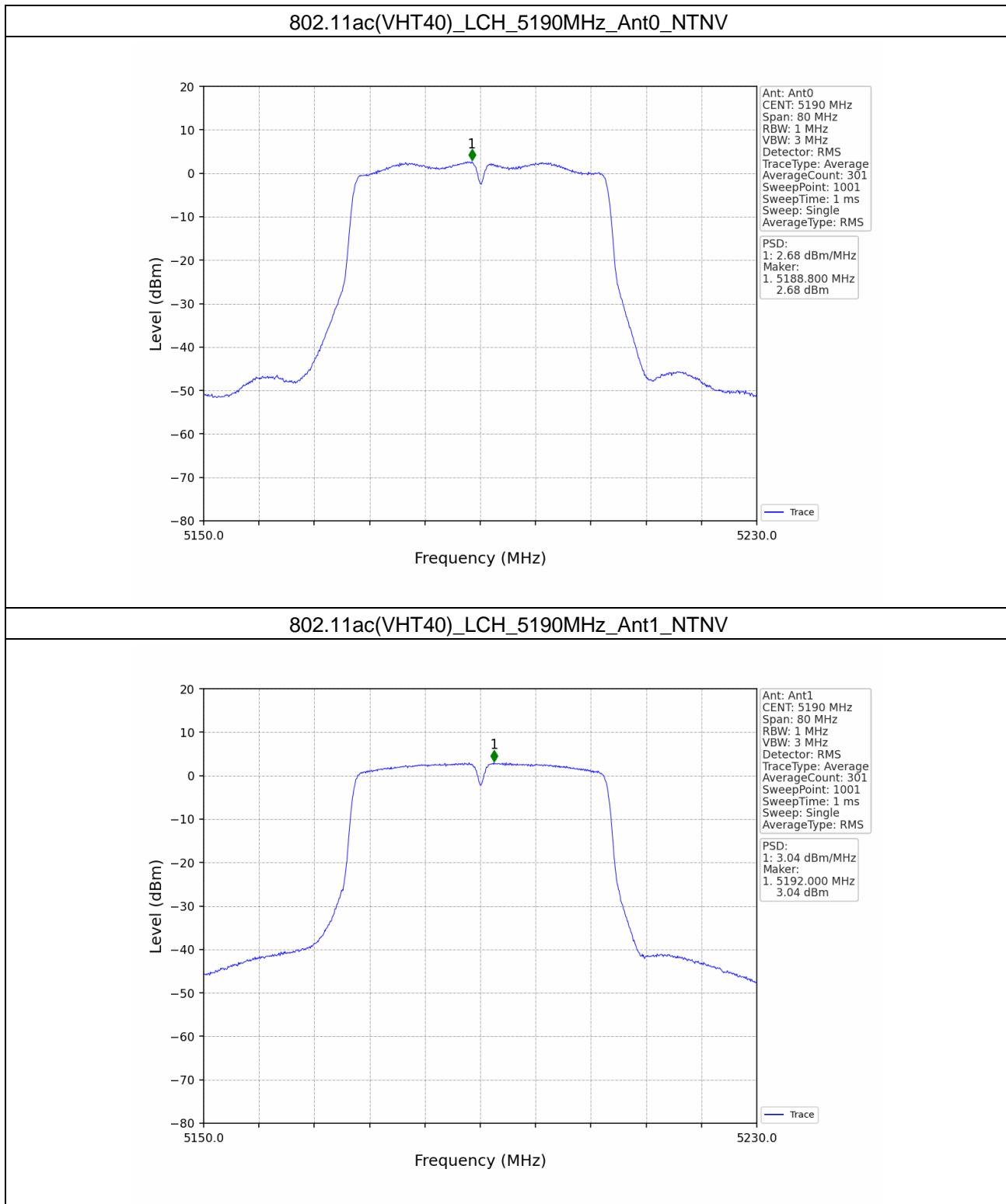
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV**802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV**

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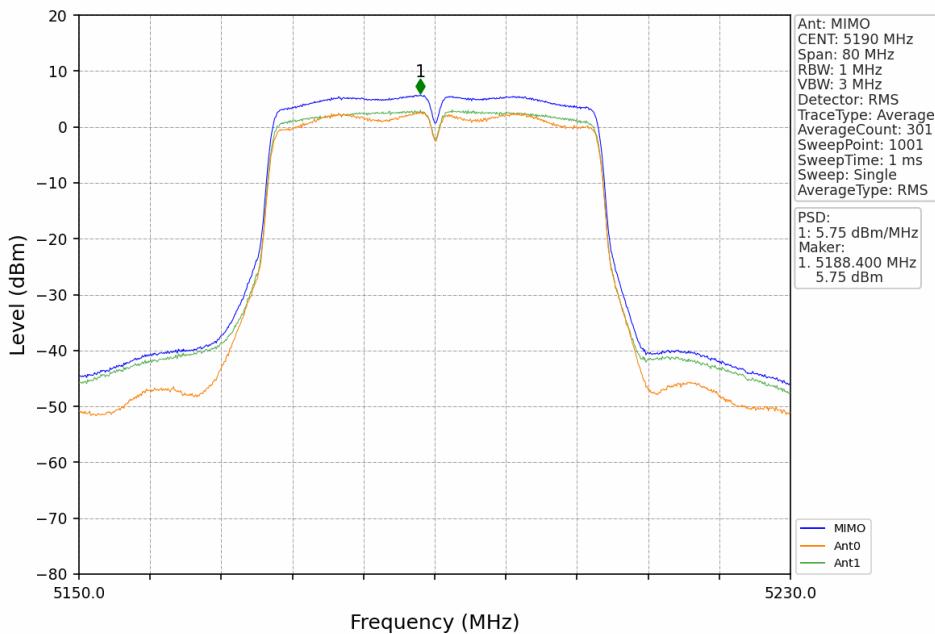
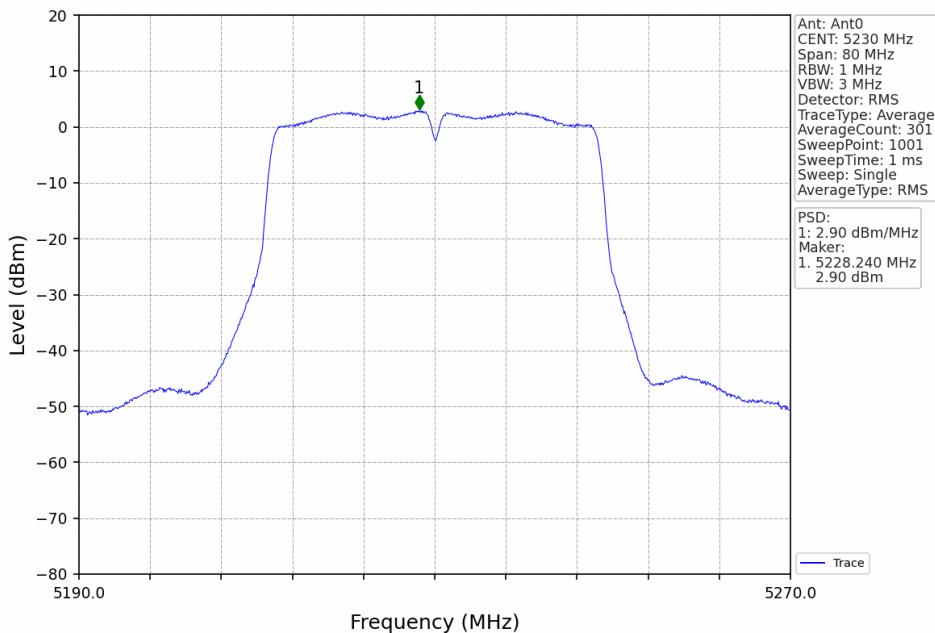
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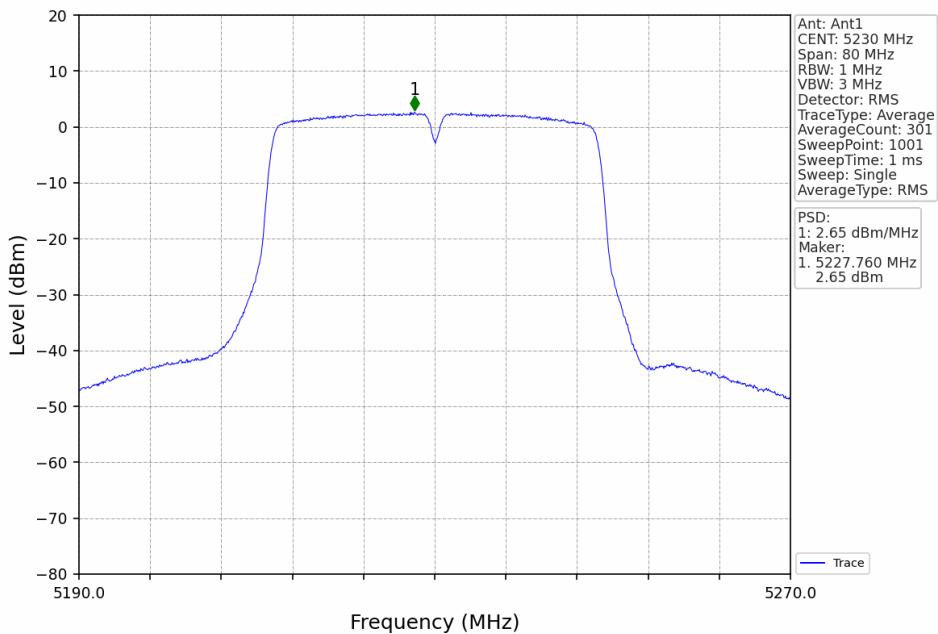
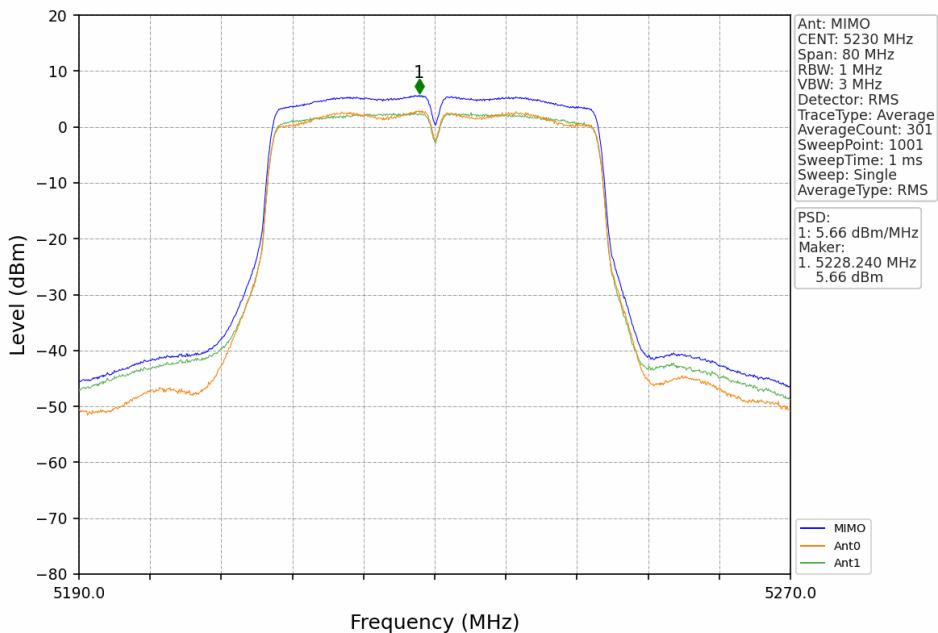
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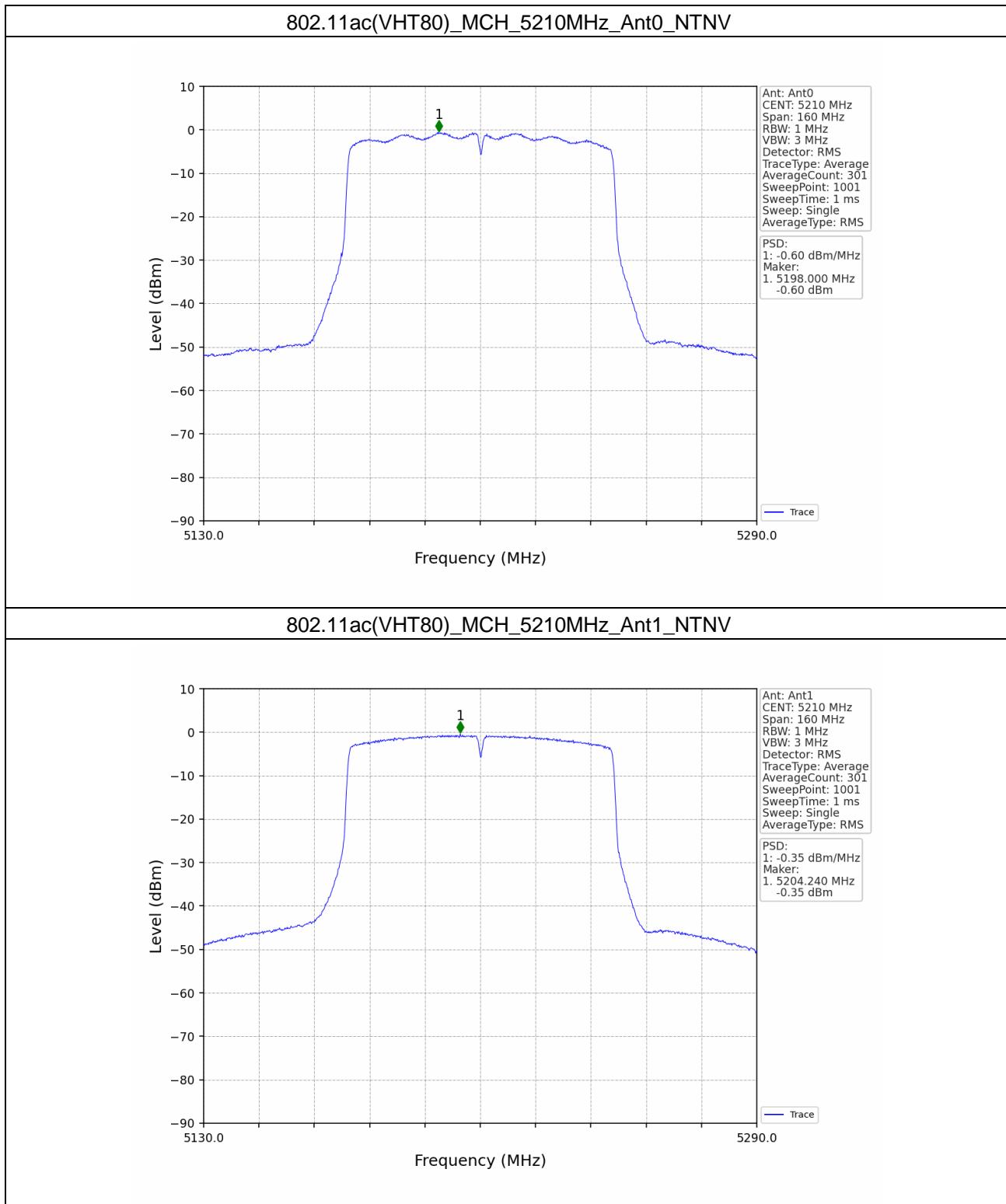
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802.11ac(VHT40)_LCH_5190MHz_MIMO_NTNV**802.11ac(VHT40)_HCH_5230MHz_Ant0_NTNV**

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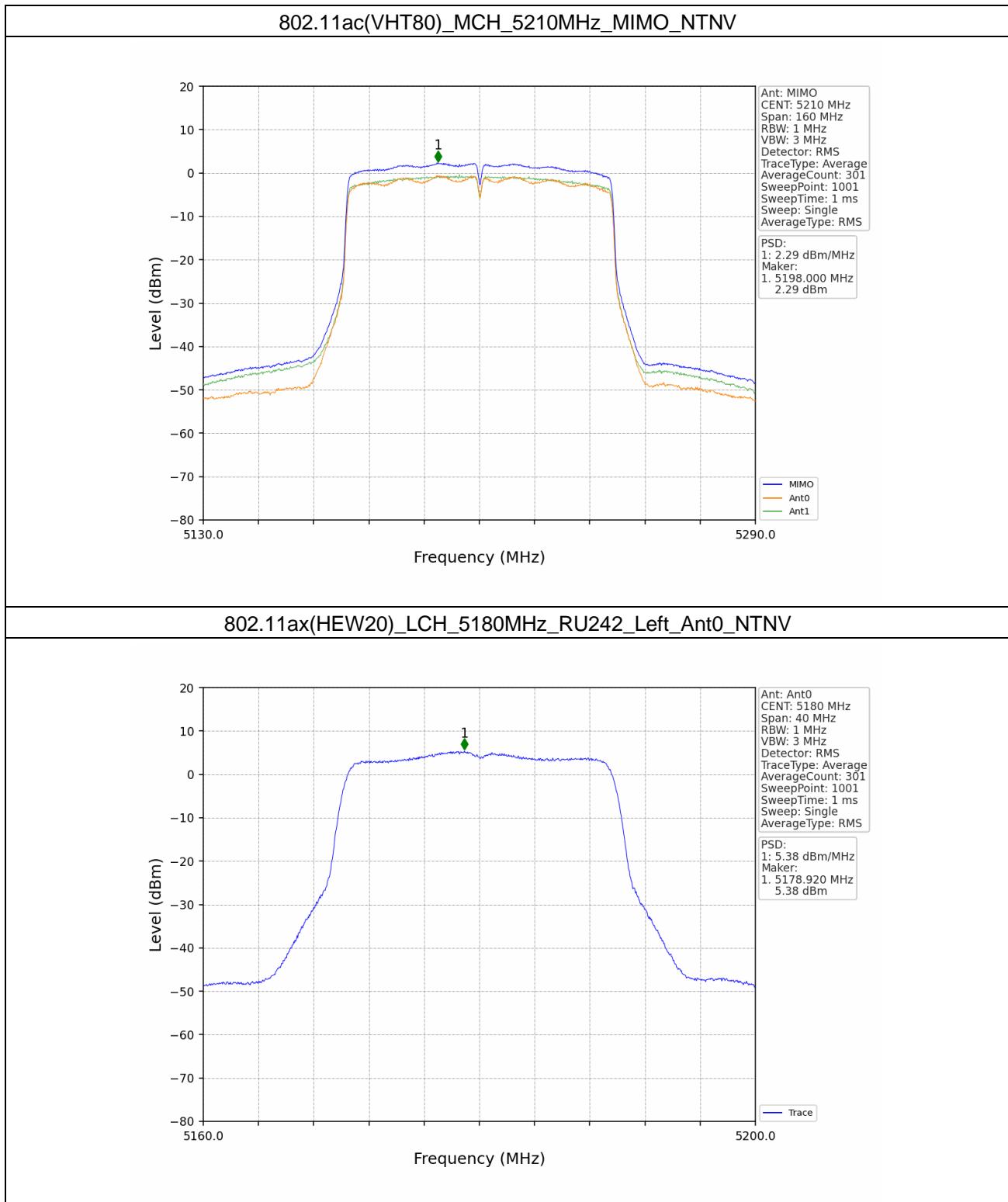
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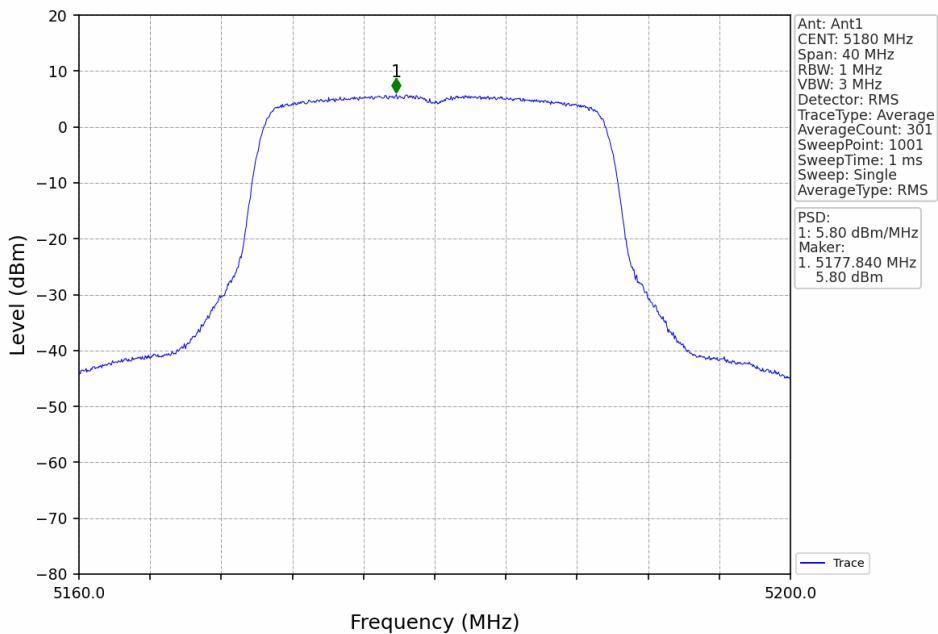
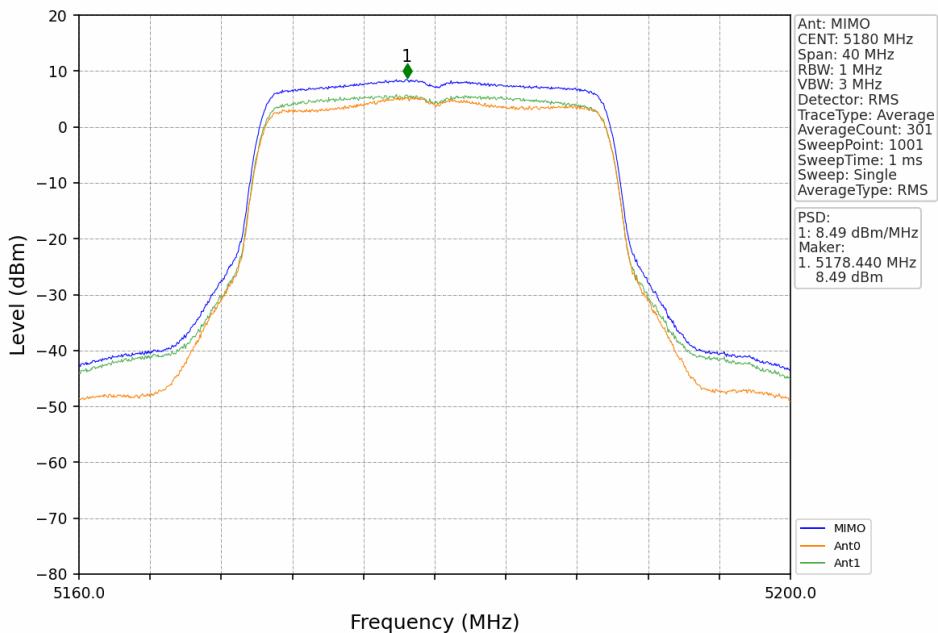
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV**802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV**



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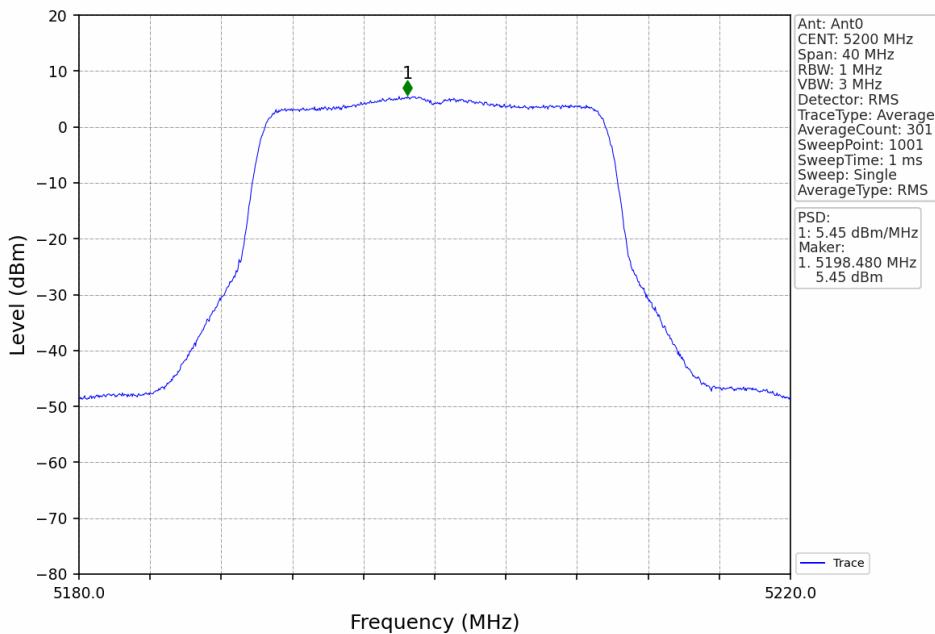
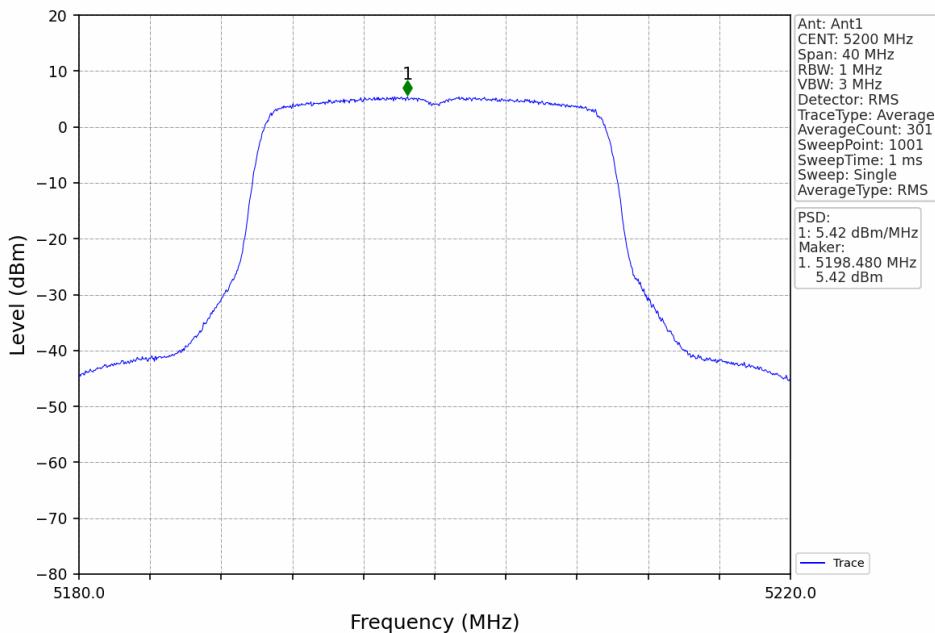
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV**802.11ax(HEW20)_LCH_5180MHz_RU242_Left_MIMO_NTNV**

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802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant0_NTNV**802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV**

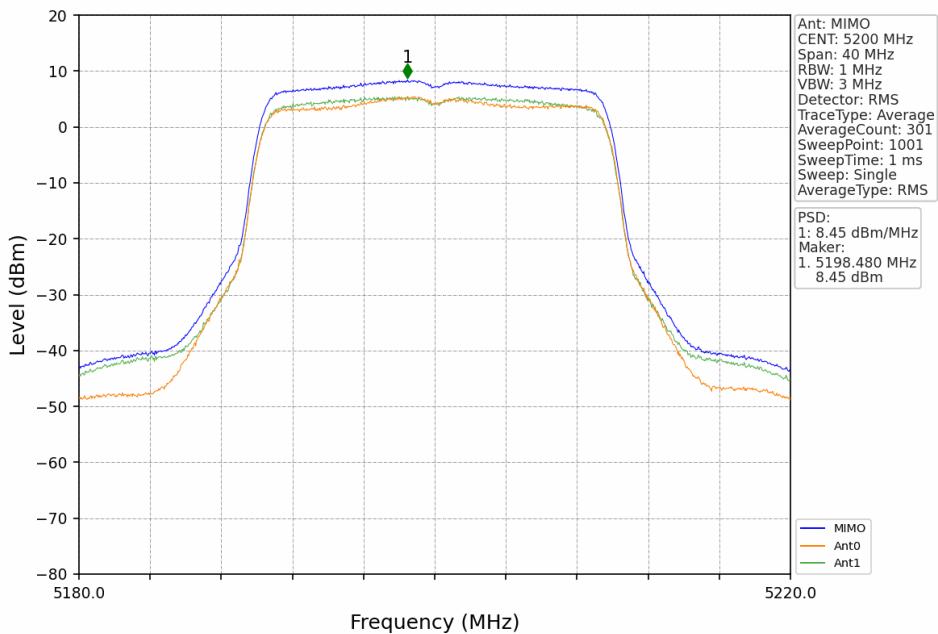
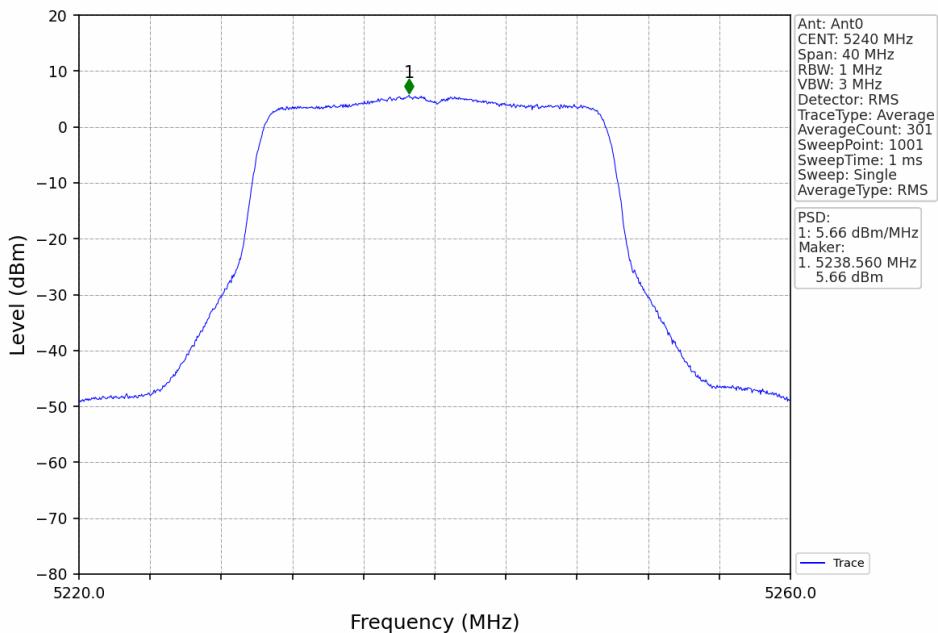
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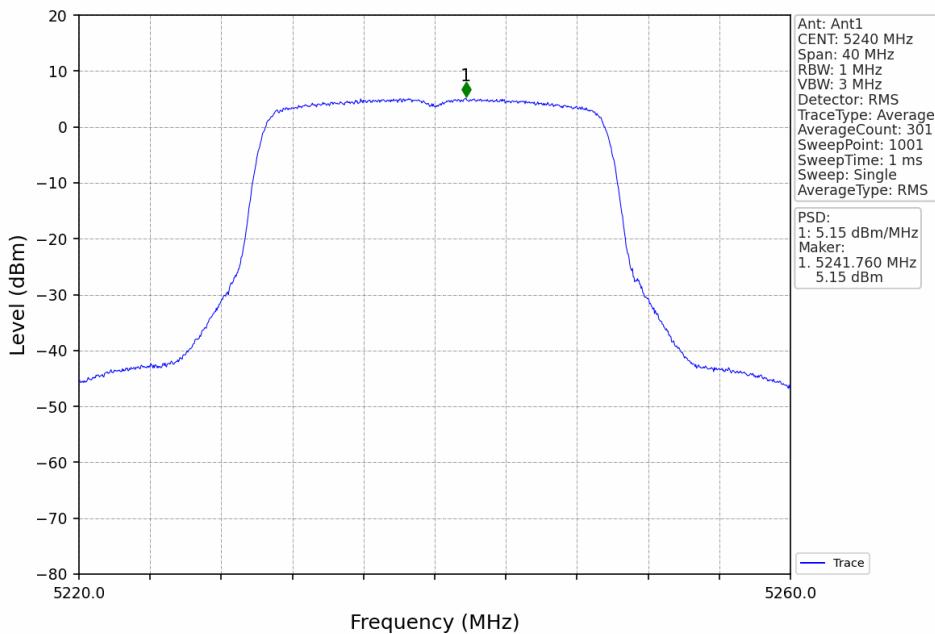
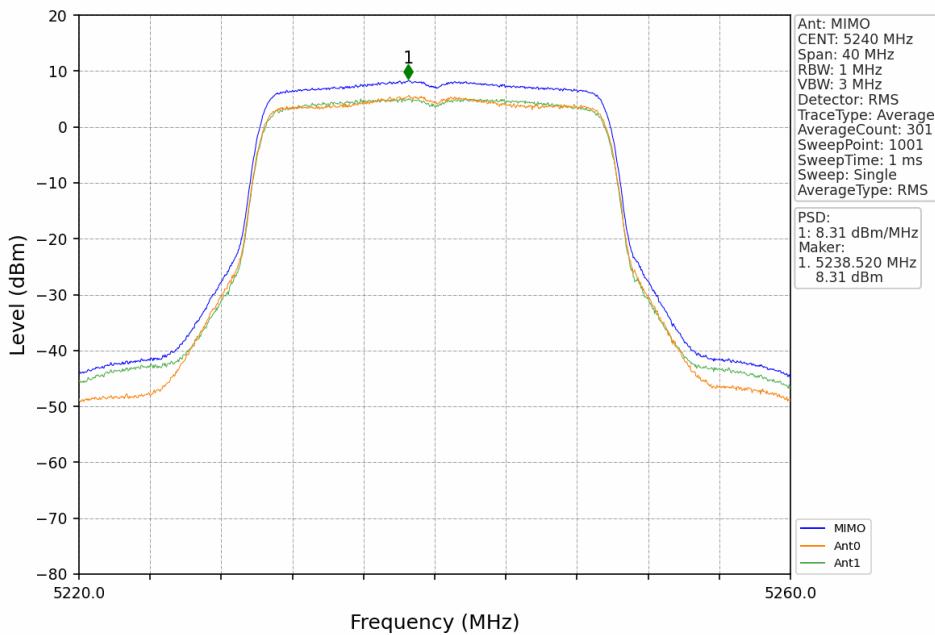
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802.11ax(HEW20)_MCH_5200MHz_RU242_Left_MIMO_NTNV**802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant0_NTNV**

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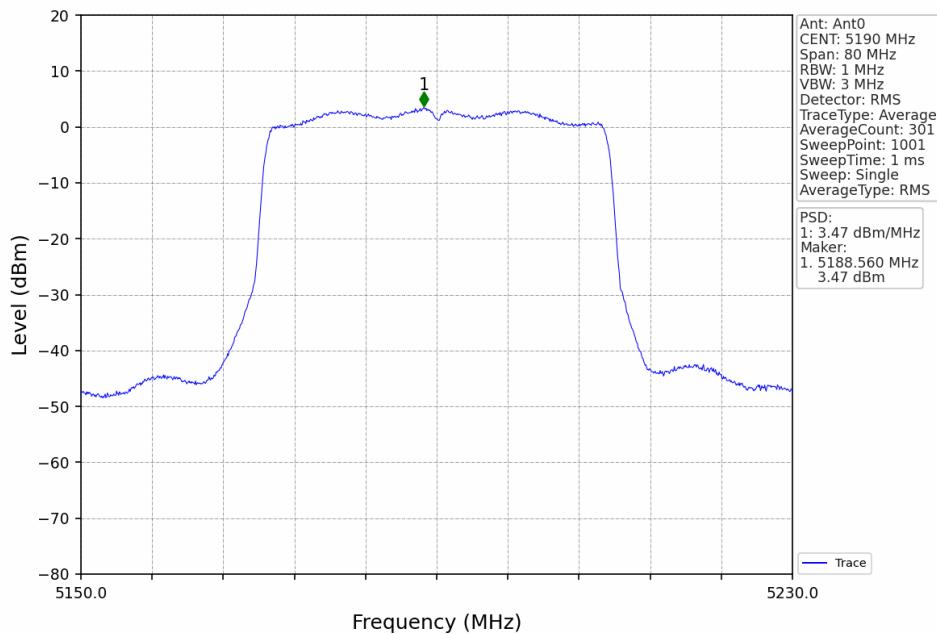
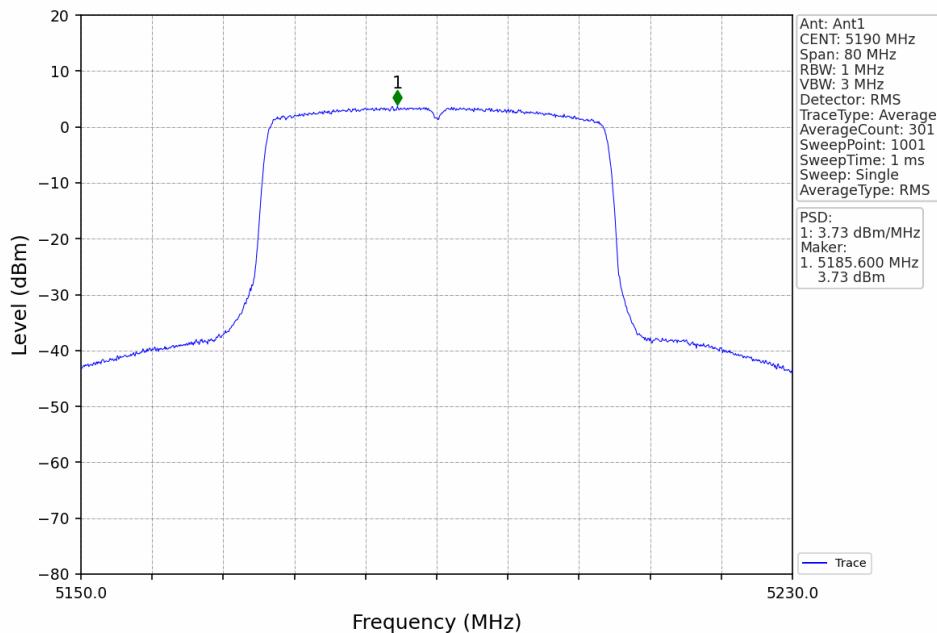
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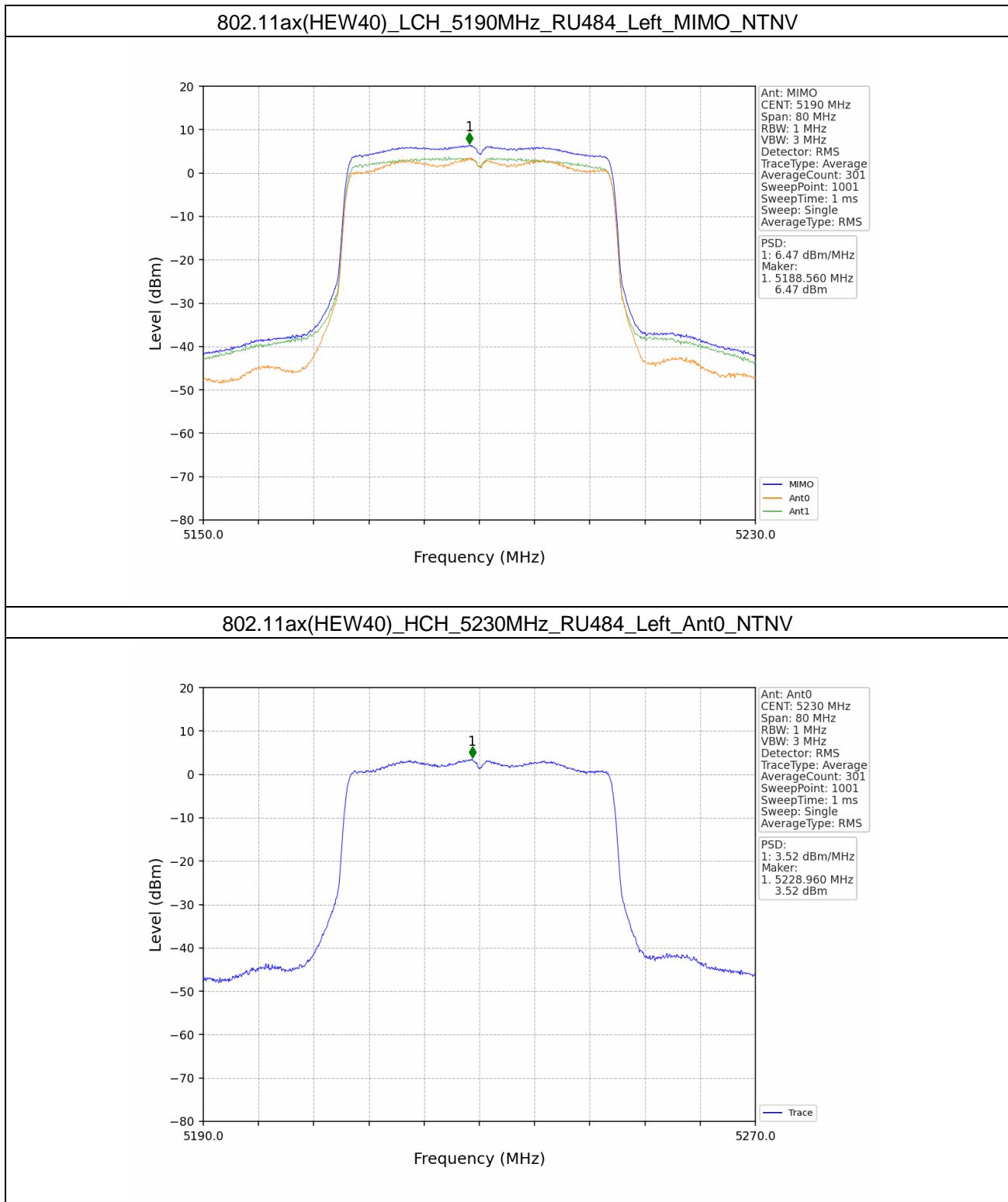
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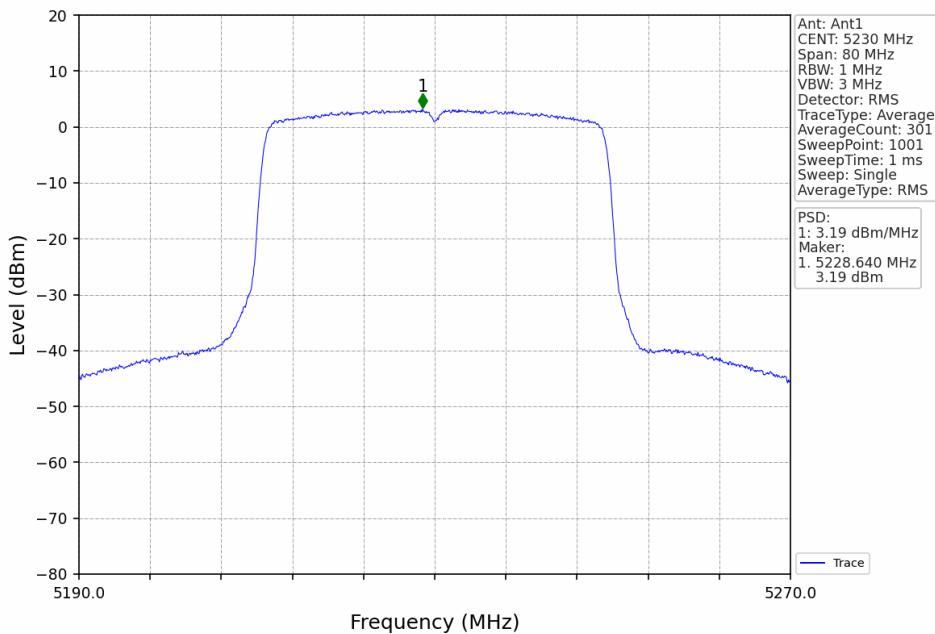
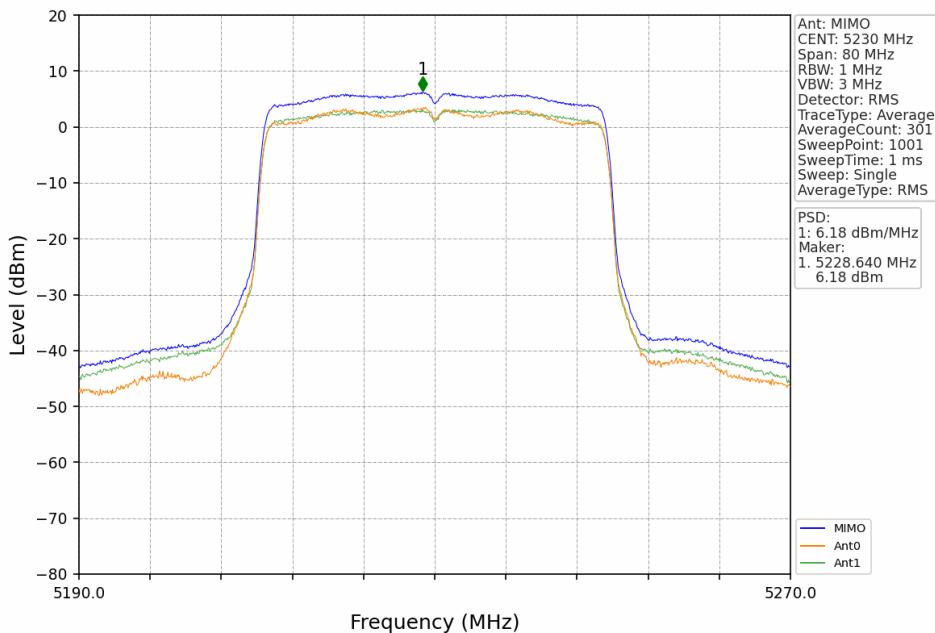
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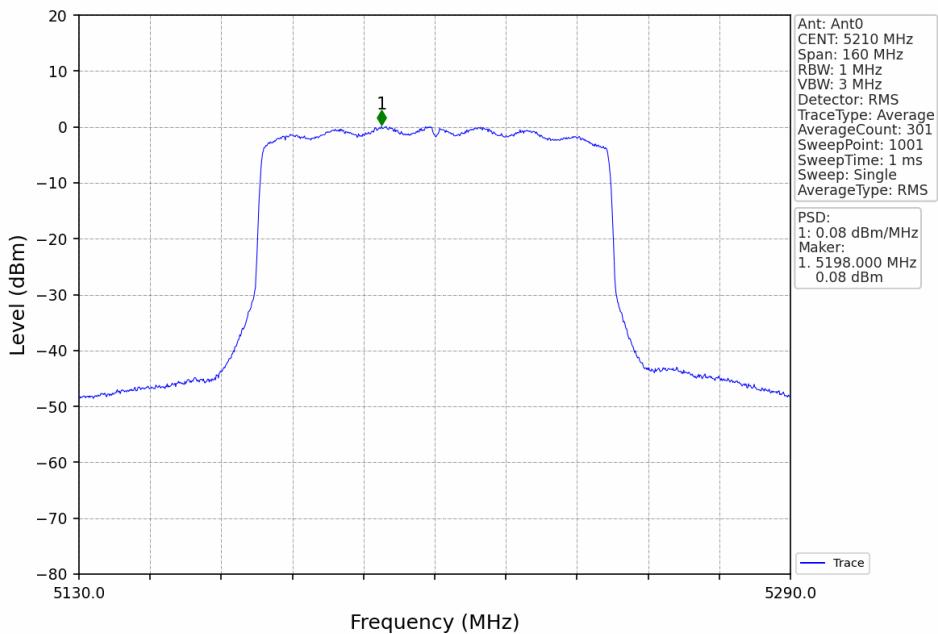
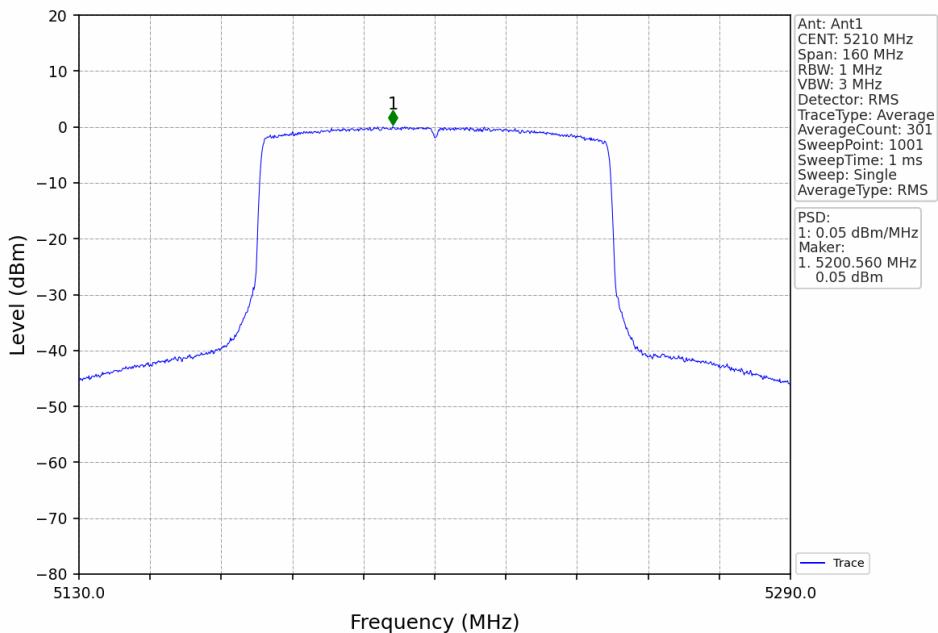
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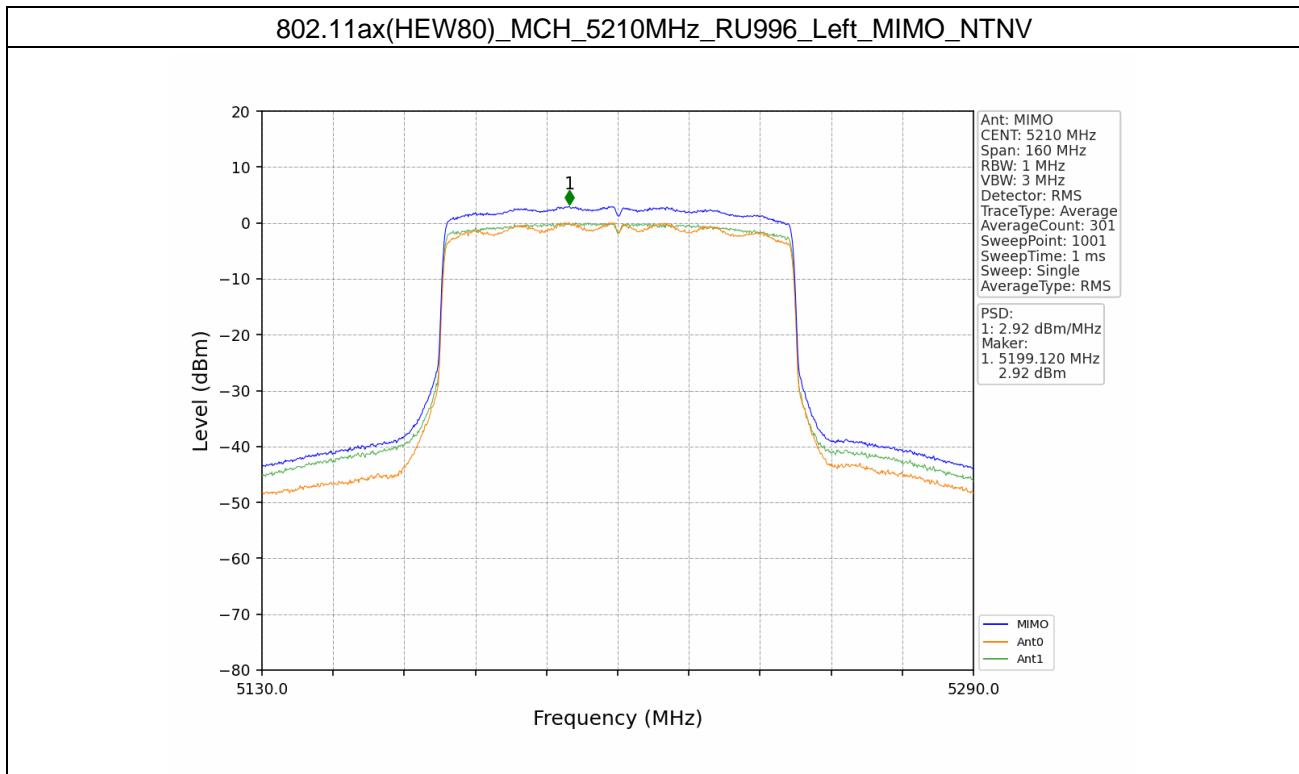
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802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant0_NTNV**802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV**



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4.2 PSD-Band3

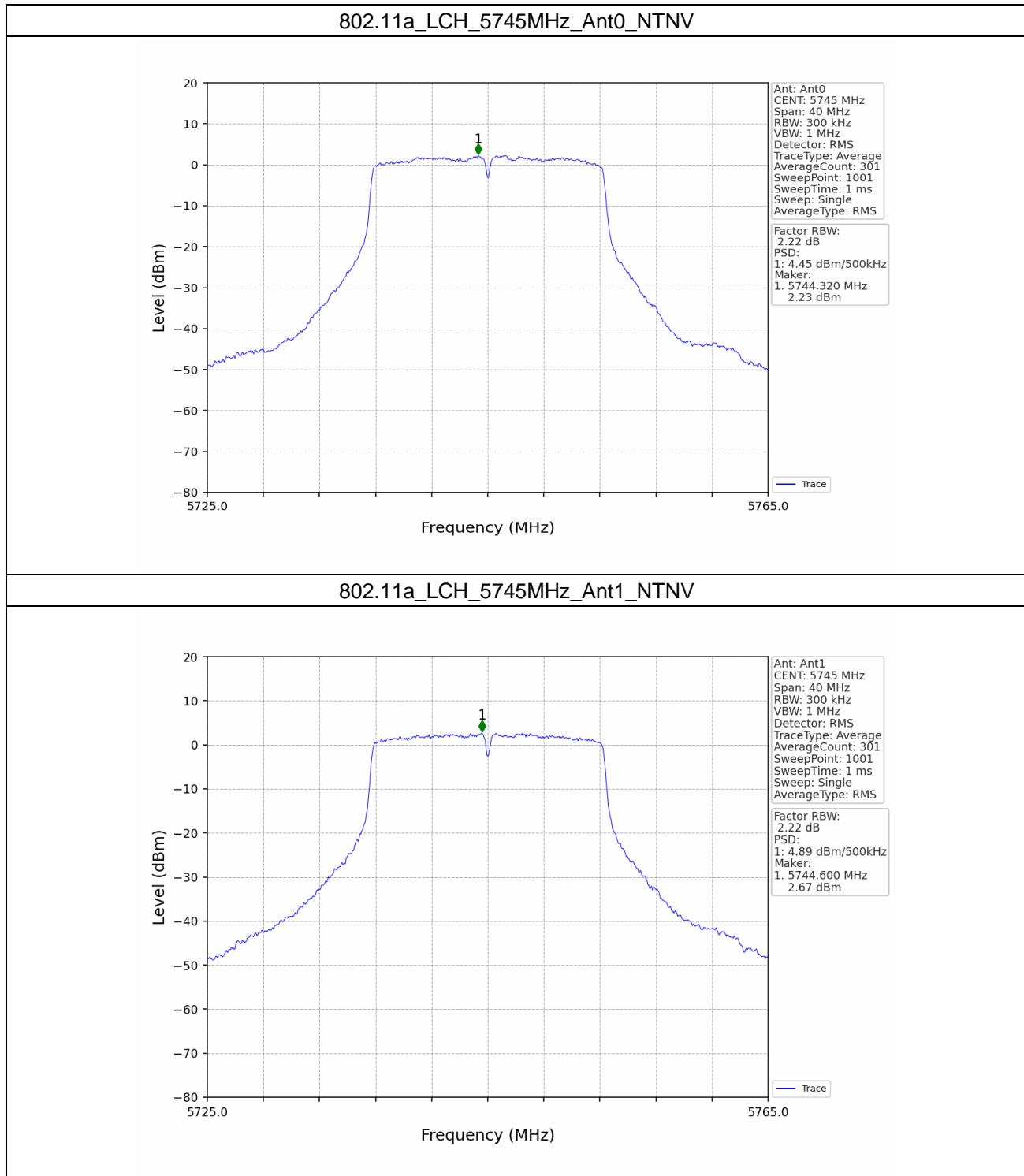
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					ANT0	ANT1	MIMO	Limit	
802.11a	SISO	5745	/	/	4.45	4.89	/	<=30	Pass
		5785	/	/	4.93	5.20	/	<=30	Pass
		5825	/	/	5.34	5.24	/	<=30	Pass
802.11n (HT20)	MIMO	5745	/	/	3.02	3.22	6.00	<=29.99	Pass
		5785	/	/	3.54	3.52	6.43	<=29.99	Pass
		5825	/	/	3.78	3.62	6.57	<=29.99	Pass
802.11n (HT40)	MIMO	5755	/	/	0.01	0.49	3.23	<=29.99	Pass
		5795	/	/	0.72	0.70	3.57	<=29.99	Pass
802.11ac (VHT20)	MIMO	5745	/	/	1.76	2.25	4.88	<=29.99	Pass
		5785	/	/	2.35	2.33	5.18	<=29.99	Pass
		5825	/	/	2.90	2.74	5.58	<=29.99	Pass
802.11ac (VHT40)	MIMO	5755	/	/	-1.06	-0.58	2.10	<=29.99	Pass
		5795	/	/	-0.36	-0.28	2.49	<=29.99	Pass
802.11ac (VHT80)	MIMO	5775	/	/	-3.35	-2.67	-0.22	<=29.99	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	2.58	3.23	5.75	<=29.99	Pass
		5785	RU242	Left	3.25	3.70	6.38	<=29.99	Pass
		5825	RU242	Left	3.74	3.82	6.63	<=29.99	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	-0.59	0.38	2.77	<=29.99	Pass
		5795	RU484	Left	0.14	0.50	3.07	<=29.99	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	-3.53	-2.93	-0.35	<=29.99	Pass
Note1: Antenna Gain (U-NII-3): ANT0: 3dBi; ANT1: 3dBi directional gain (dBi) for U-NII-3 = gain of individual transmit antennas (dBi) + array gain (dB)=6.01dB Array gain = $10 \log(N_{ANT})$, where N_{ANT} is the number of transmit antennas									

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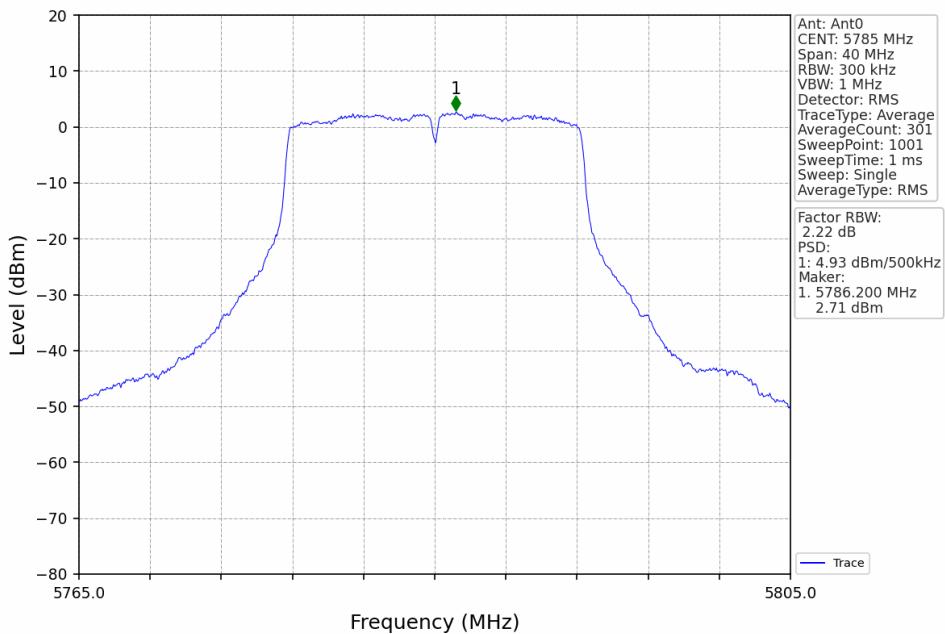
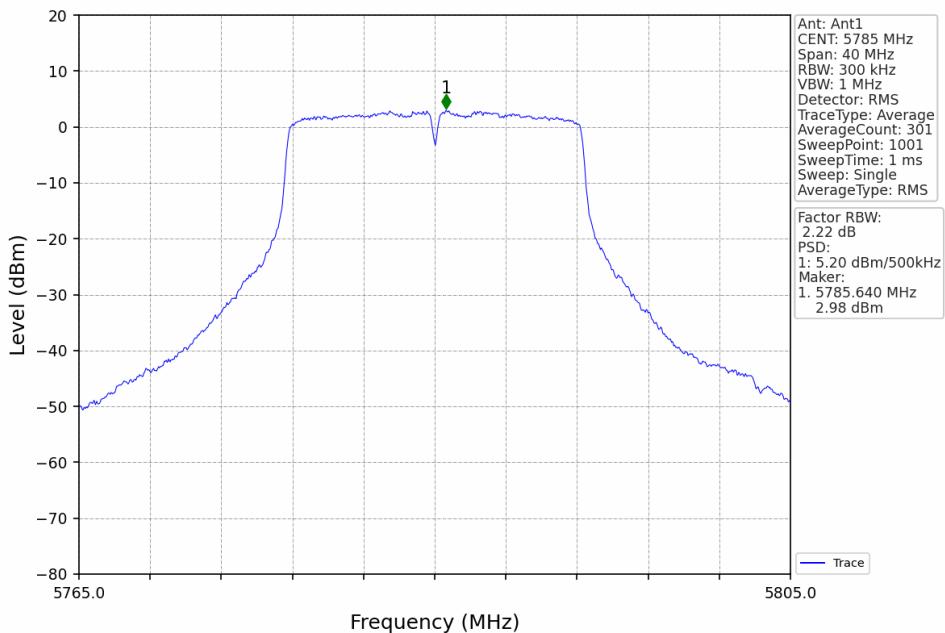
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4.2.2 Test Graph

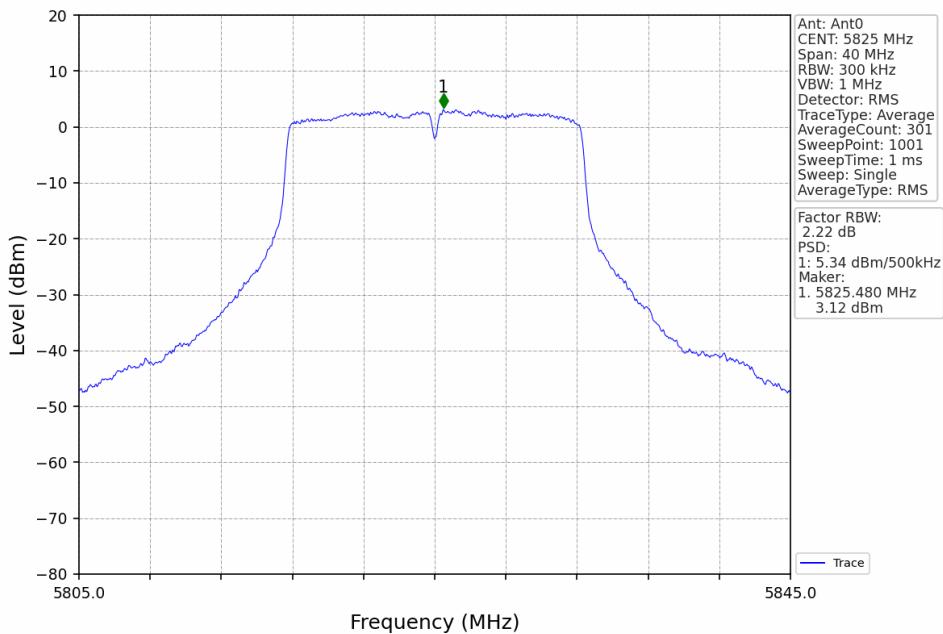
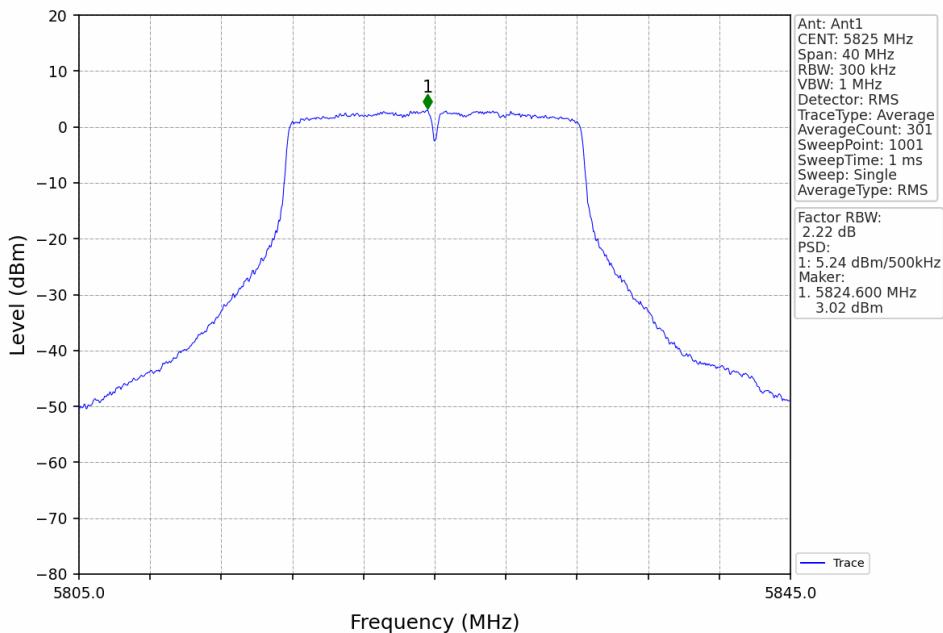
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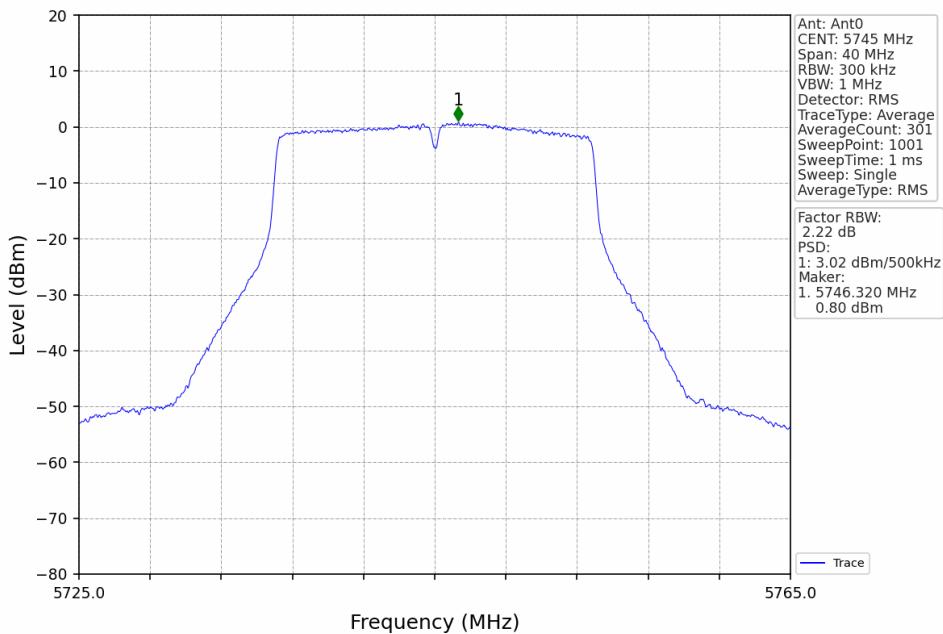
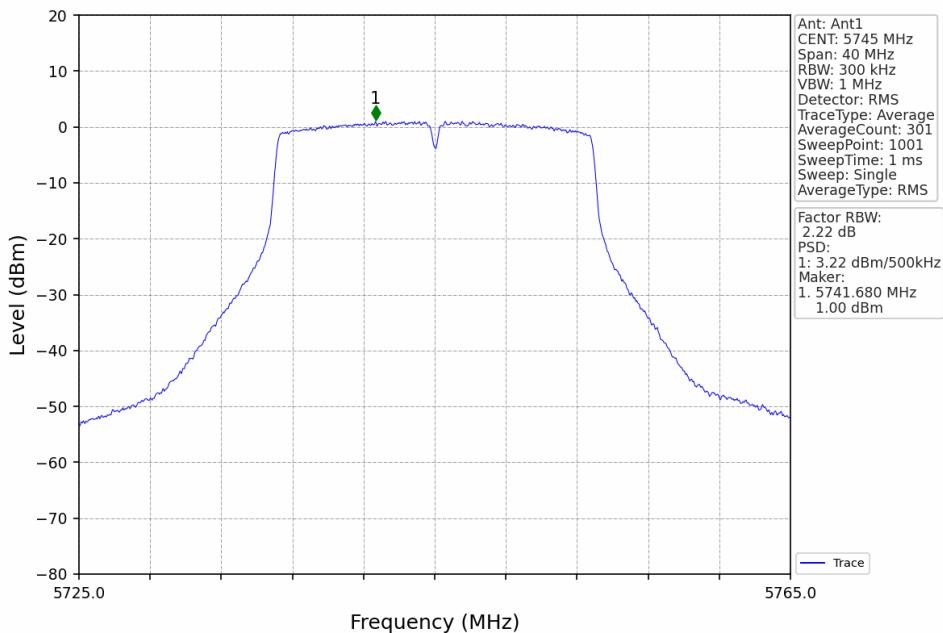
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802.11a_MCH_5785MHz_Ant0_NTNV**802.11a_MCH_5785MHz_Ant1_NTNV**

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802.11a_HCH_5825MHz_Ant0_NTNV**802.11a_HCH_5825MHz_Ant1_NTNV**

802.11n(HT20)_LCH_5745MHz_Ant0_NTNV**802.11n(HT20)_LCH_5745MHz_Ant1_NTNV**

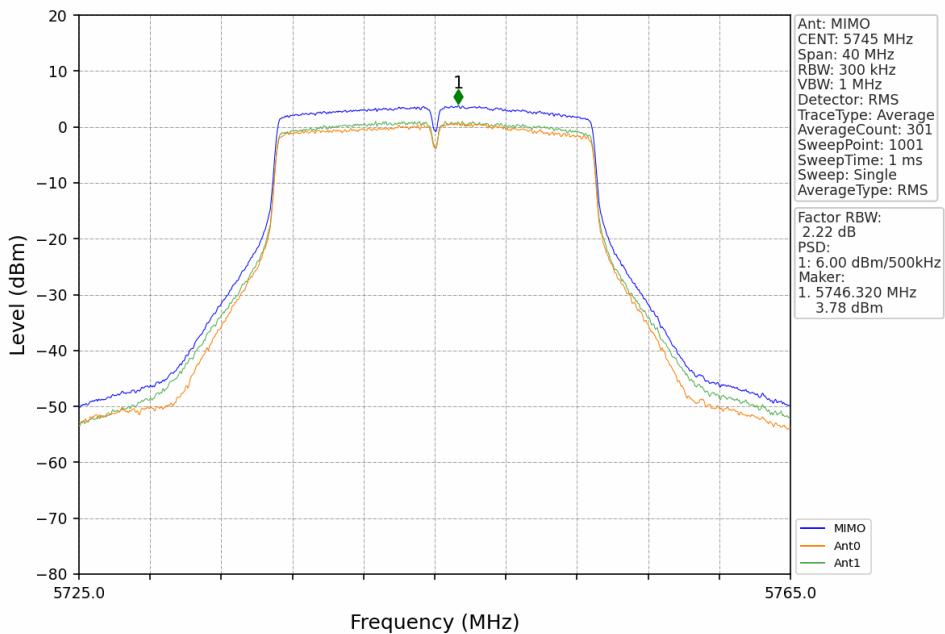
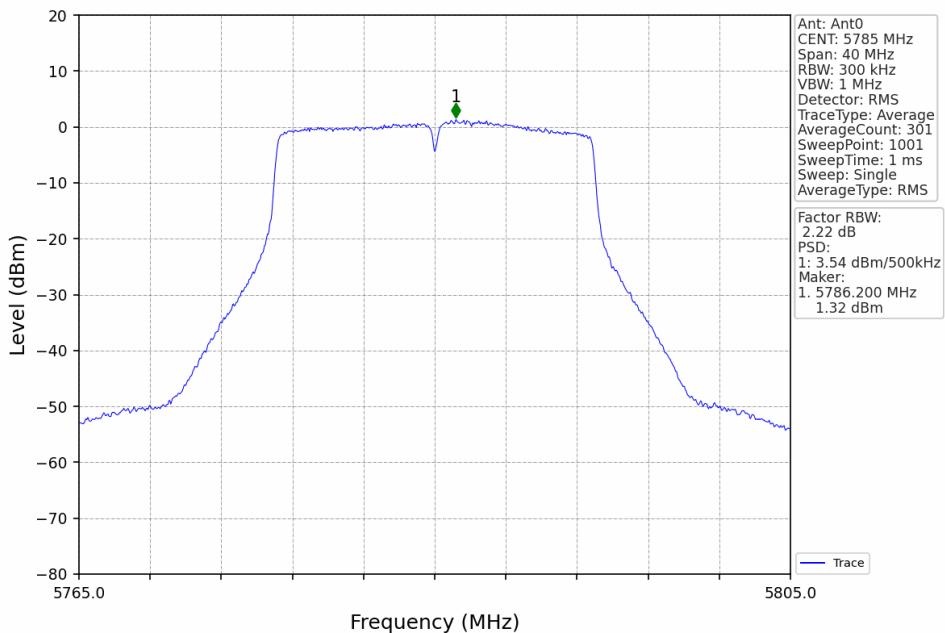
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802.11n(HT20)_LCH_5745MHz_MIMO_NTNV**802.11n(HT20)_MCH_5785MHz_Ant0_NTNV**

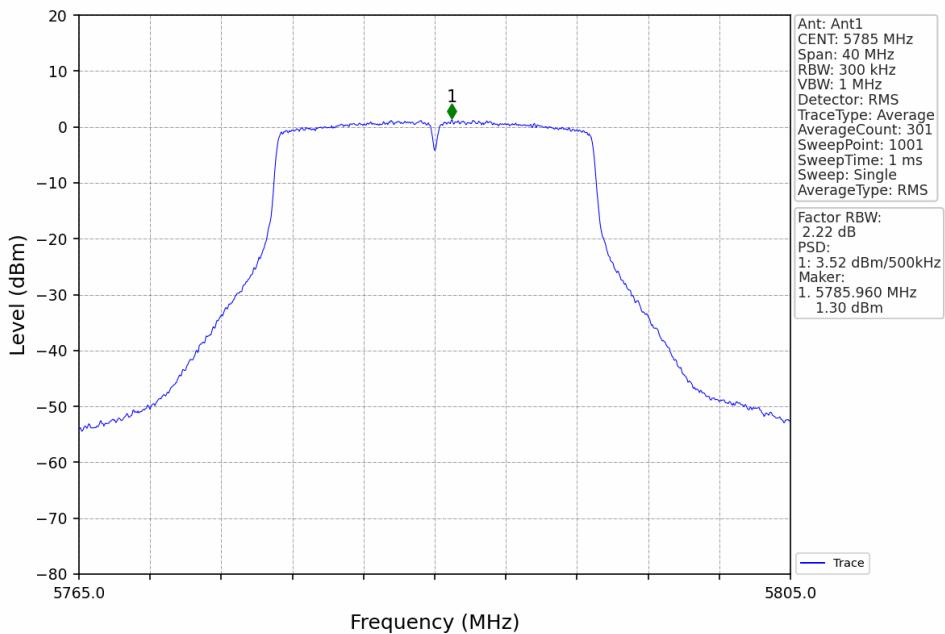
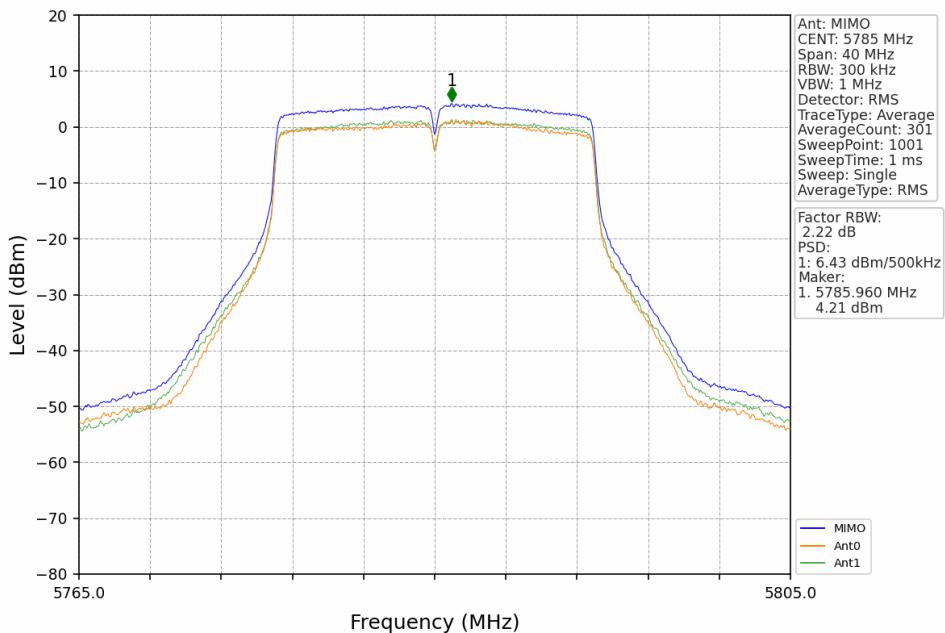
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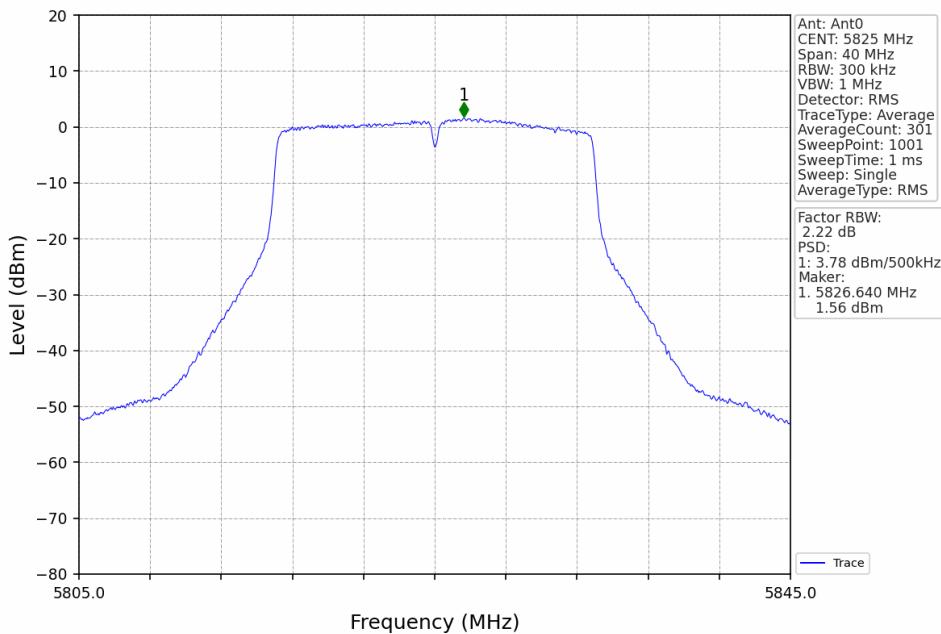
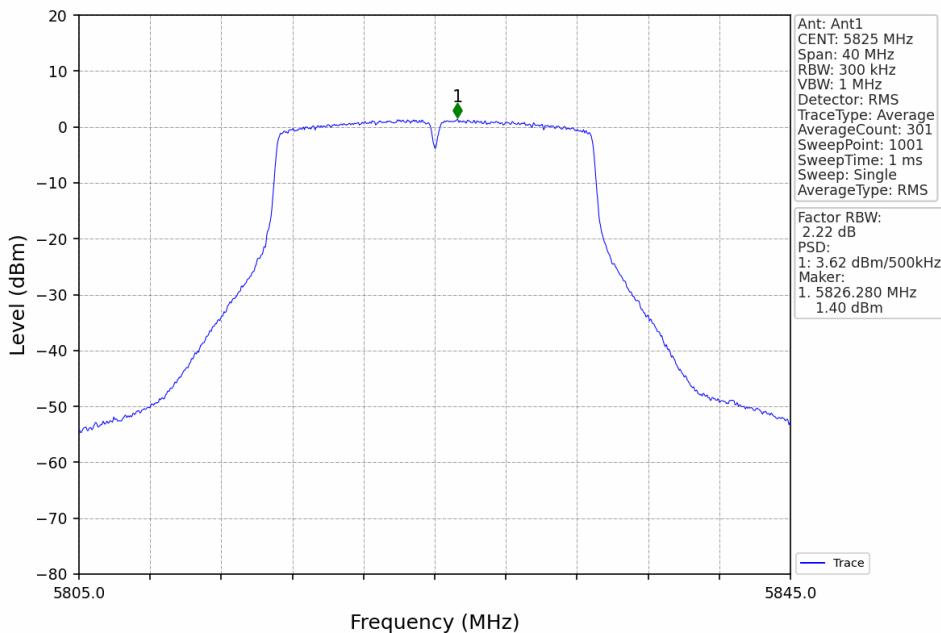
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV**802.11n(HT20)_MCH_5785MHz_MIMO_NTNV**

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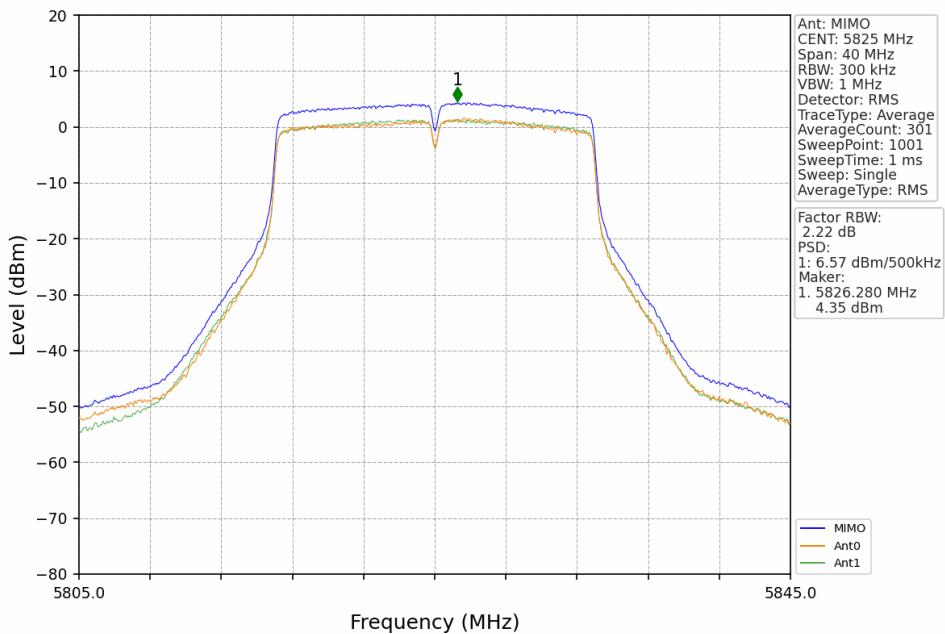
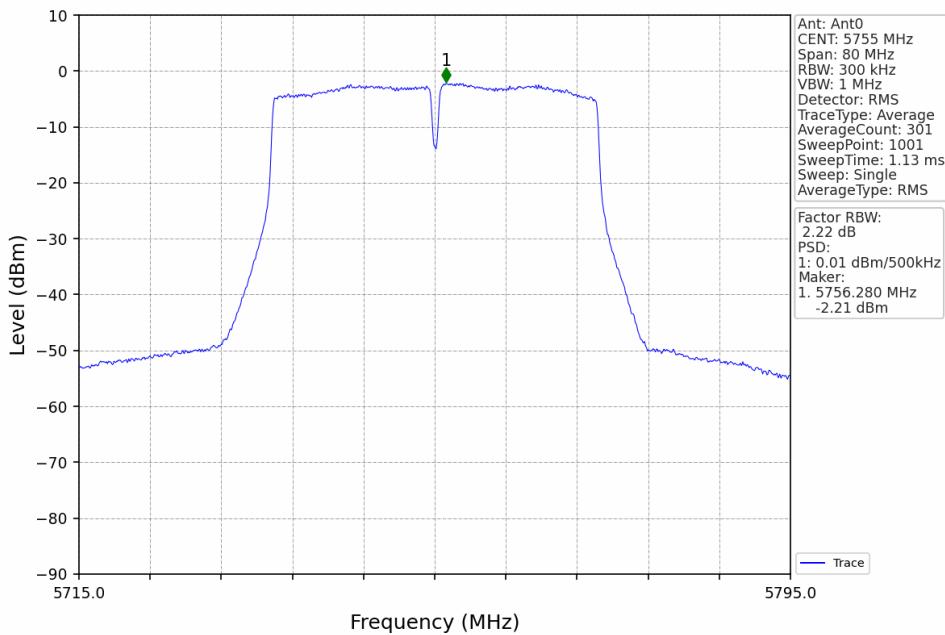
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802.11n(HT20)_HCH_5825MHz_Ant0_NTNV**802.11n(HT20)_HCH_5825MHz_Ant1_NTNV**

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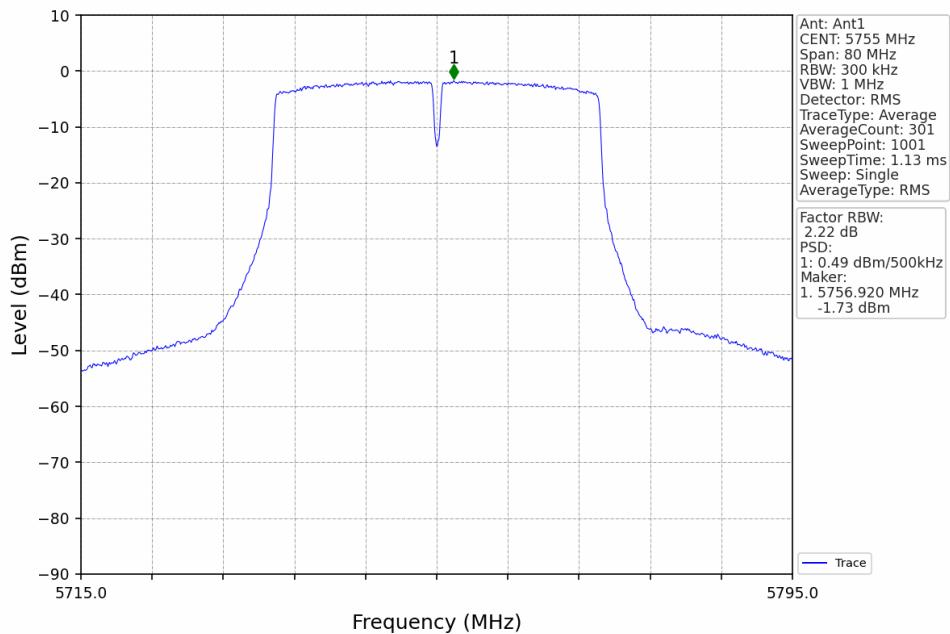
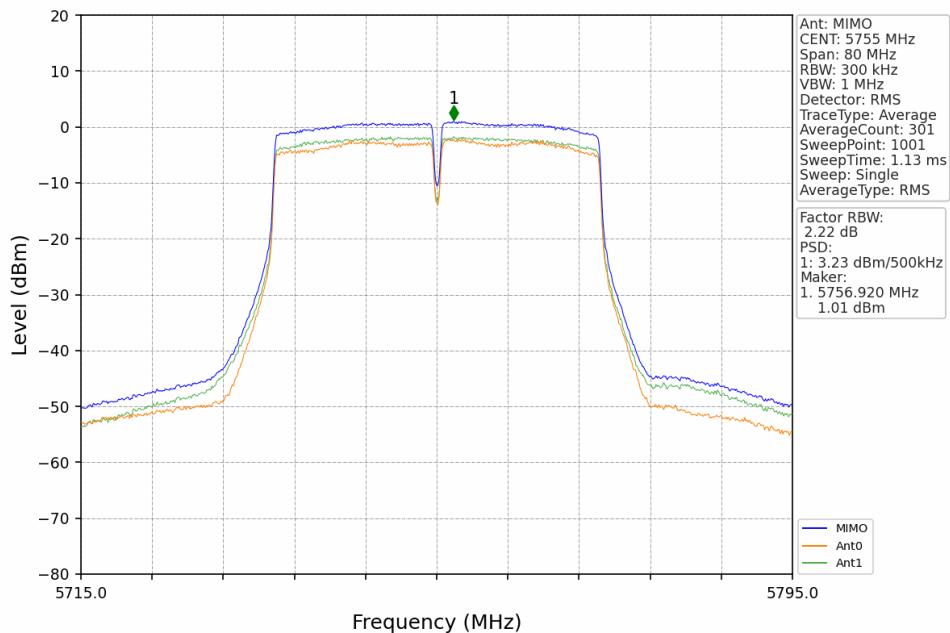
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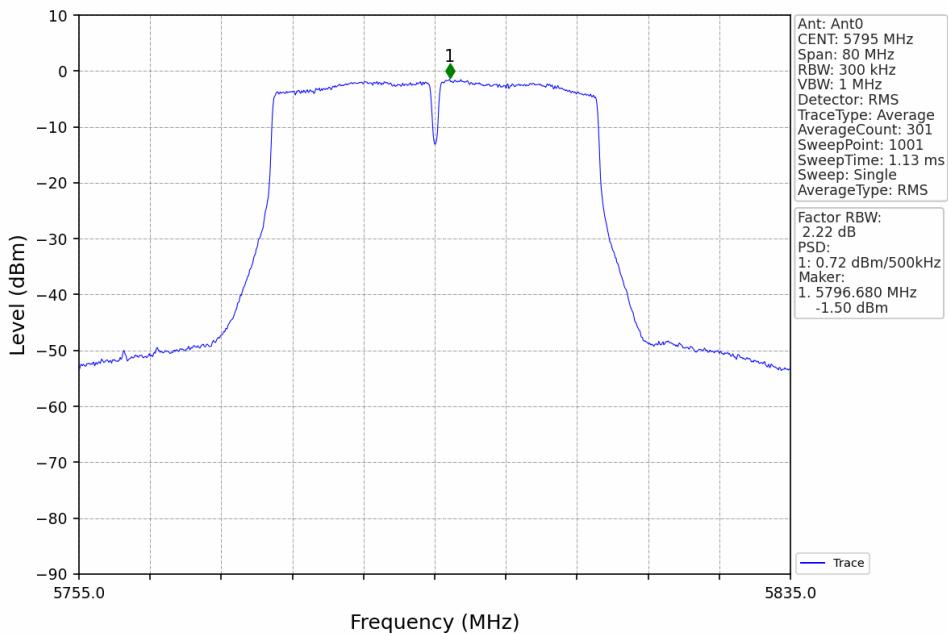
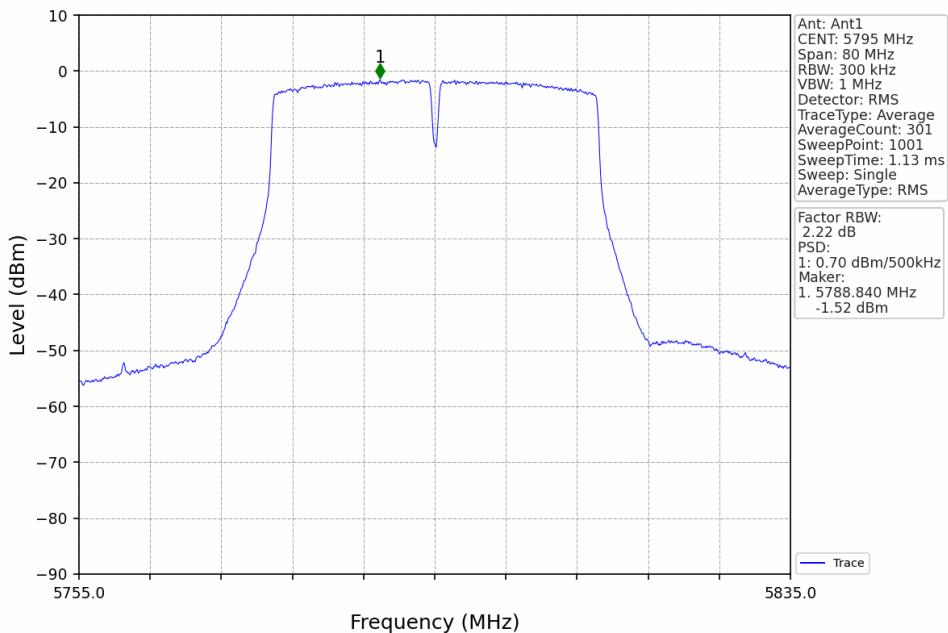
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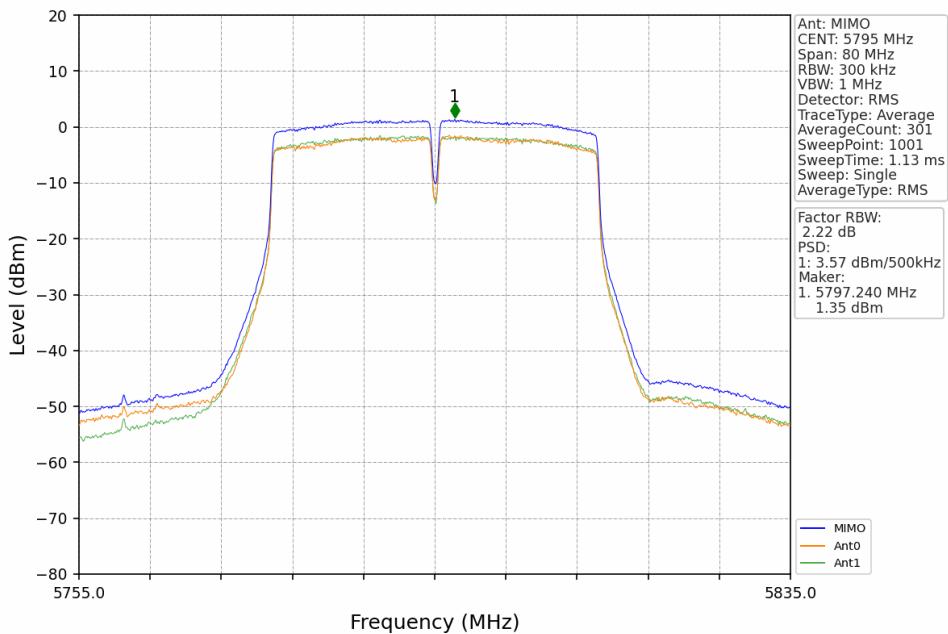
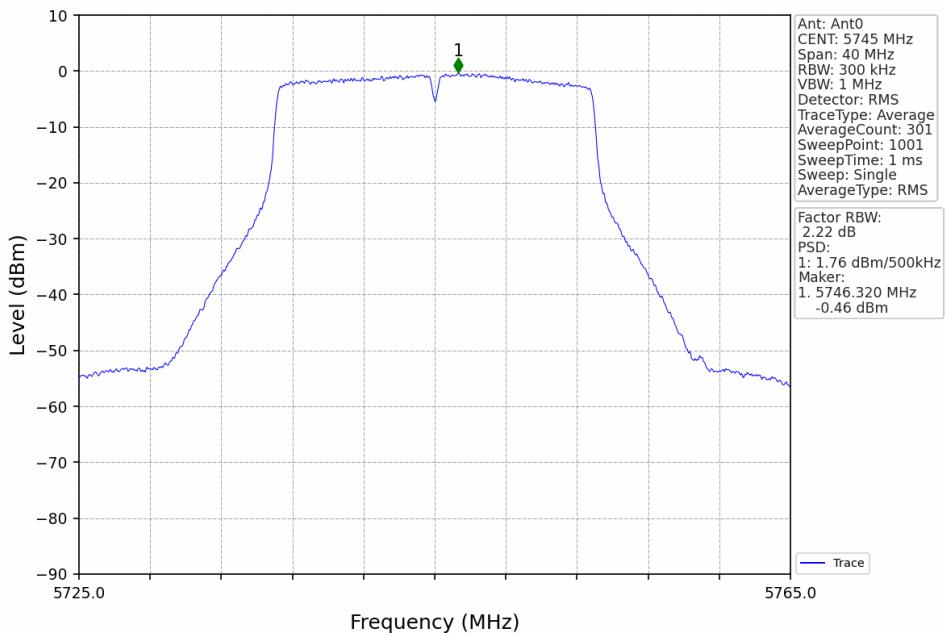
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802.11n(HT40)_LCH_5755MHz_Ant1_NTNV**802.11n(HT40)_LCH_5755MHz_MIMO_NTNV**

802.11n(HT40)_HCH_5795MHz_Ant0_NTNV**802.11n(HT40)_HCH_5795MHz_Ant1_NTNV**

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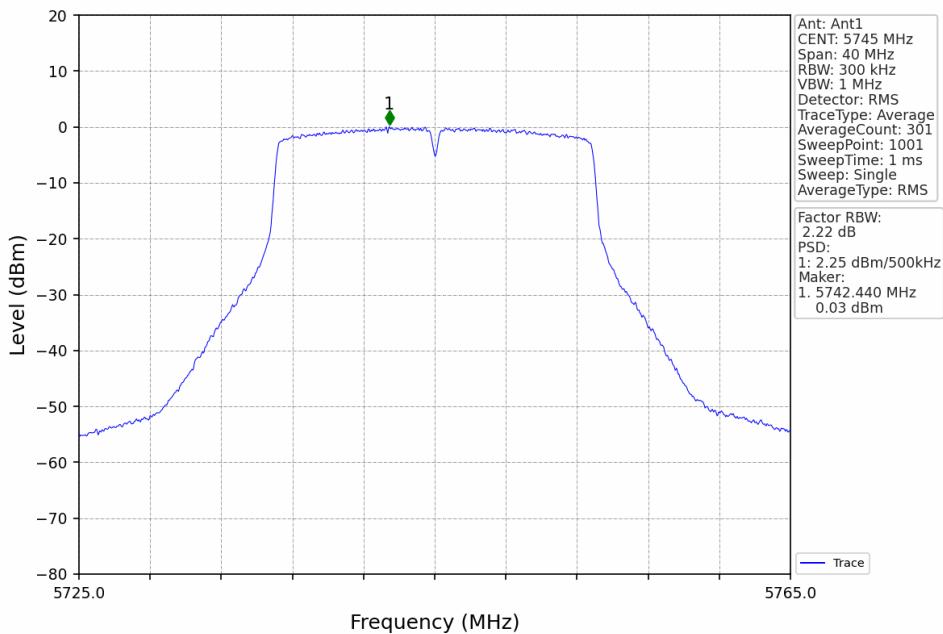
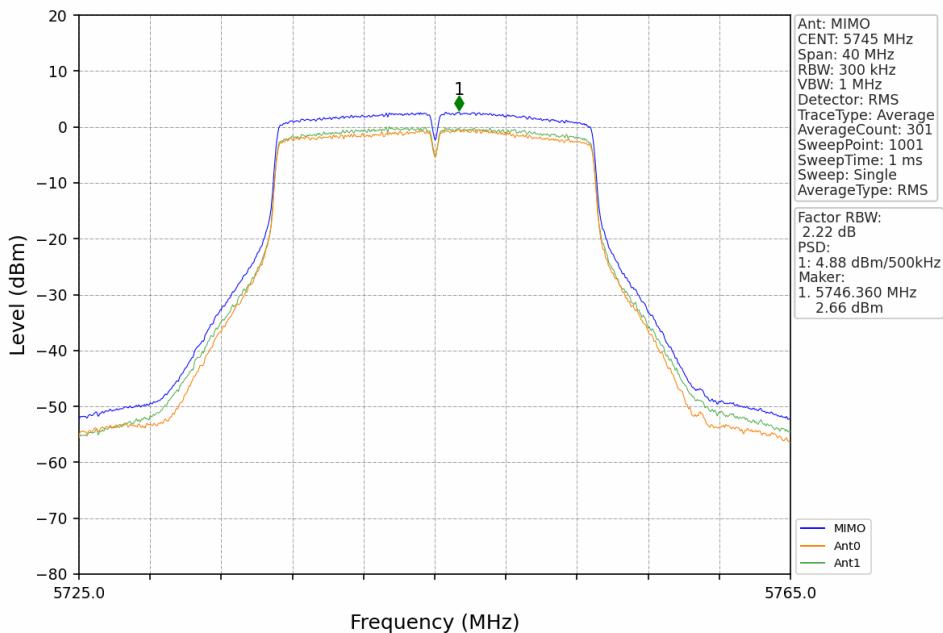
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV**802.11ac(VHT20)_LCH_5745MHz_MIMO_NTNV**

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