

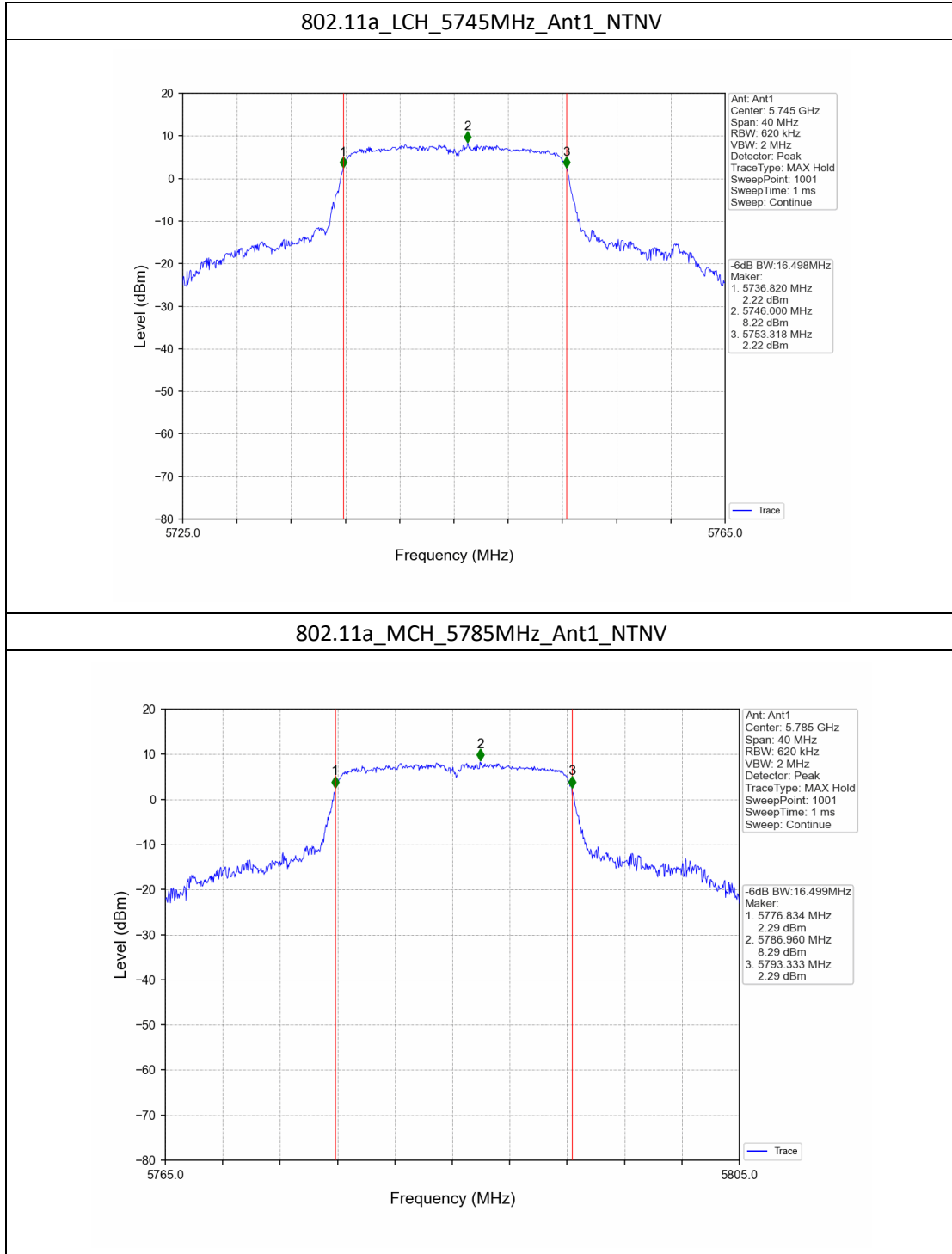
## Appendix C: Min emission bandwidth

### Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.498	>=0.5	Pass
		5785	/	/	1	16.499	>=0.5	Pass
		5825	/	/	1	16.508	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	1	17.165	>=0.5	Pass
		5785	/	/	1	17.258	>=0.5	Pass
		5825	/	/	1	17.416	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	1	36.047	>=0.5	Pass
		5795	/	/	1	36.038	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	1	17.403	>=0.5	Pass
		5785	/	/	1	17.255	>=0.5	Pass
		5825	/	/	1	17.302	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	1	36.065	>=0.5	Pass
		5795	/	/	1	35.982	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	1	75.249	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	1	18.820	>=0.5	Pass
		5785	RU242	Left	1	19.009	>=0.5	Pass
		5825	RU242	Left	1	18.712	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	1	37.430	>=0.5	Pass
		5795	RU484	Left	1	37.381	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	1	75.647	>=0.5	Pass



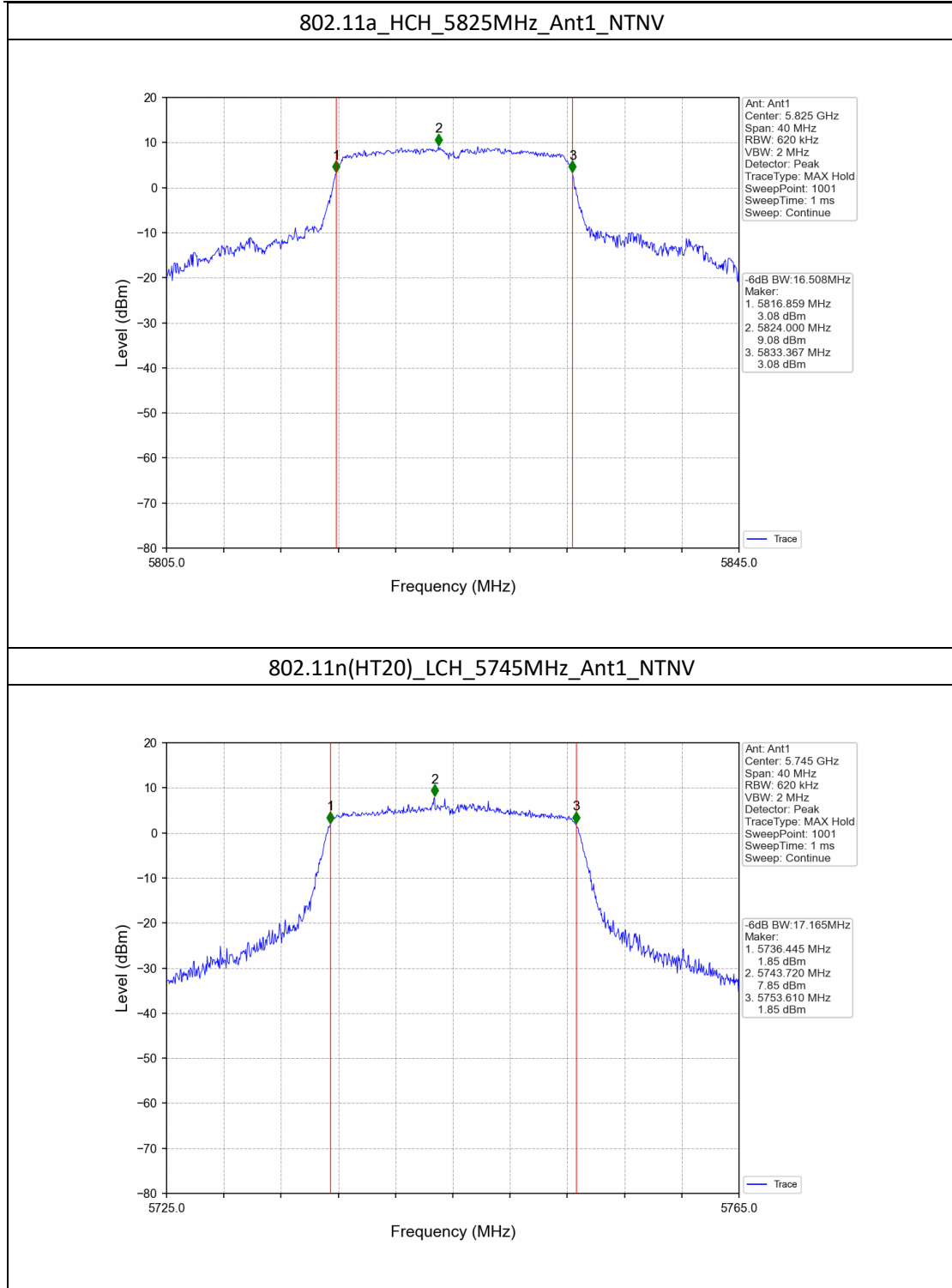
### Test Graphs



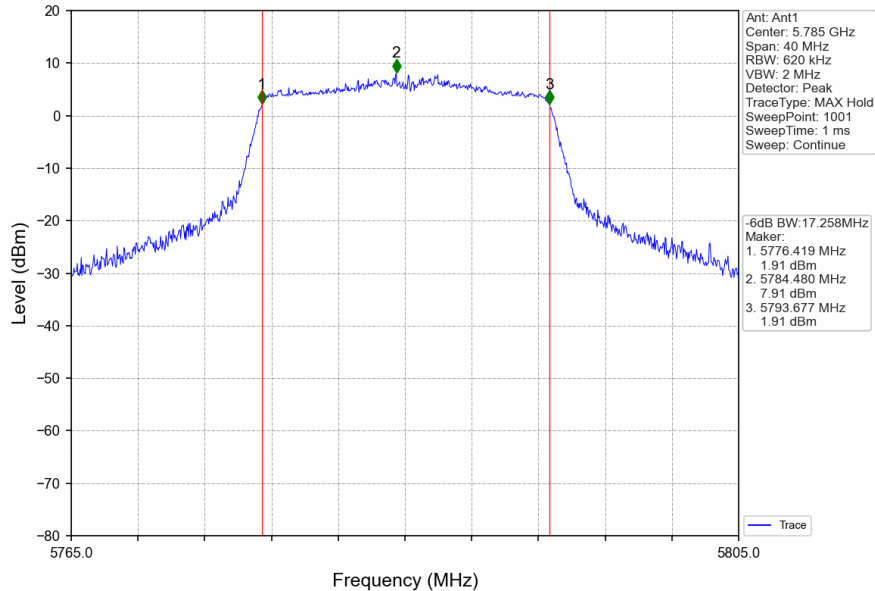
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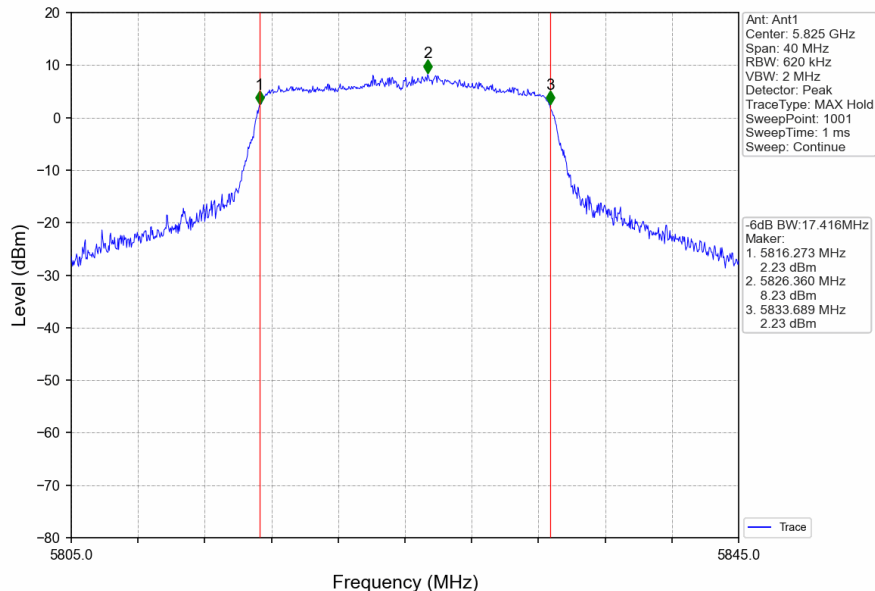
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

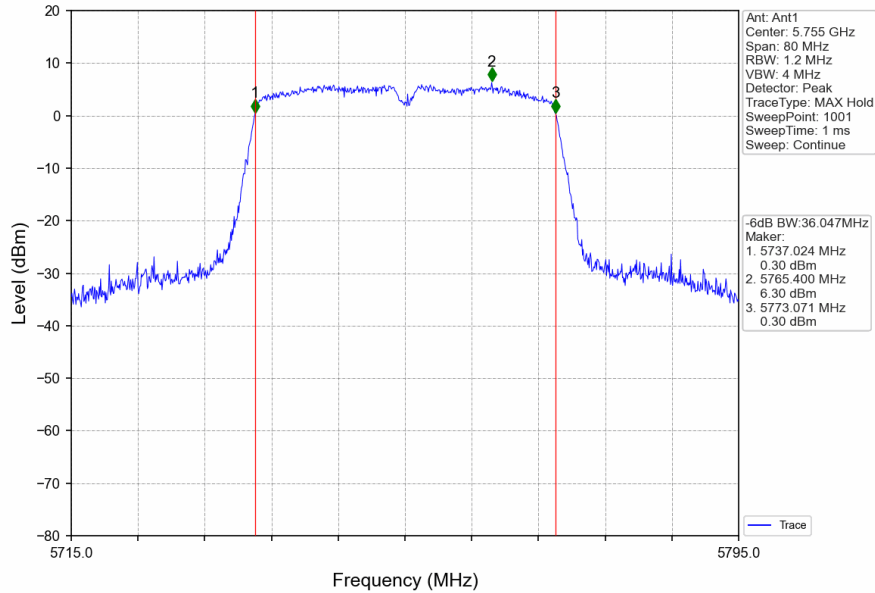


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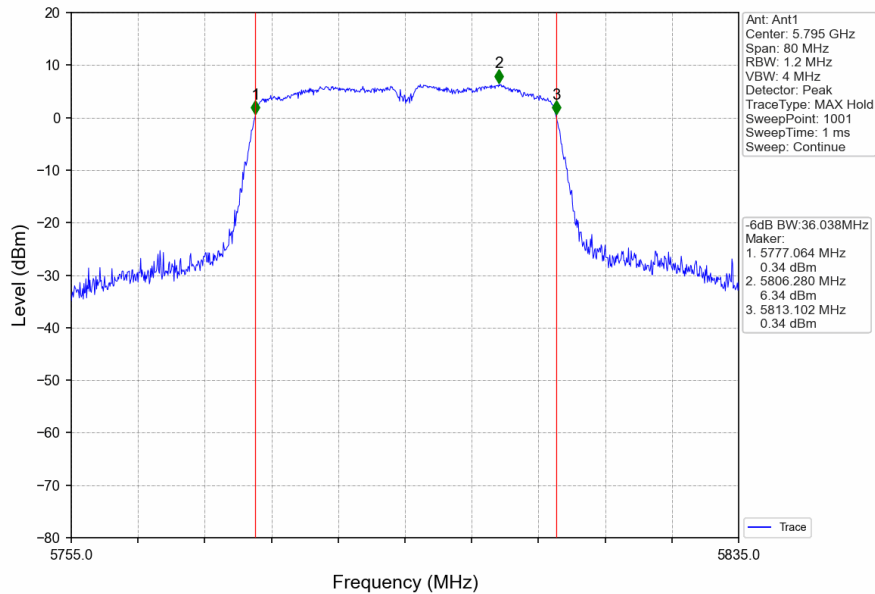
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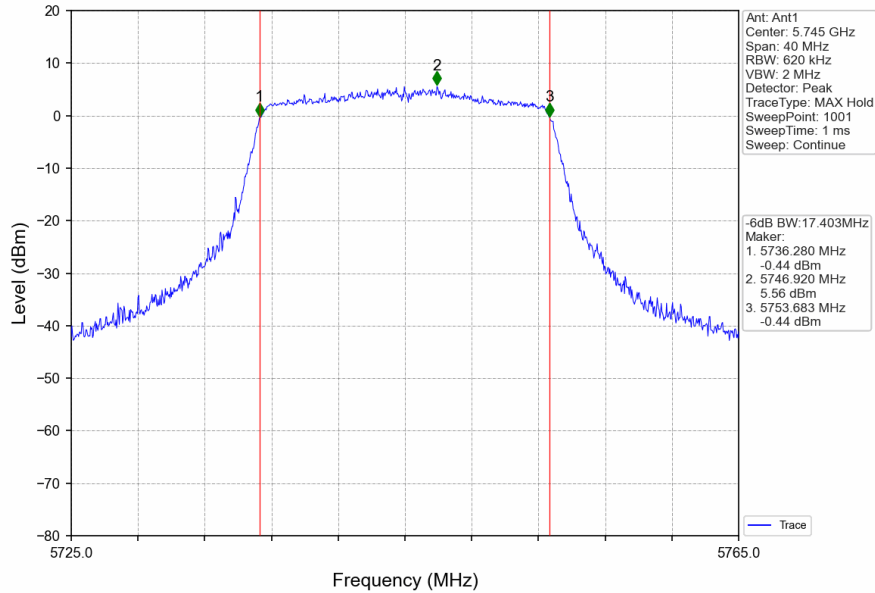
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



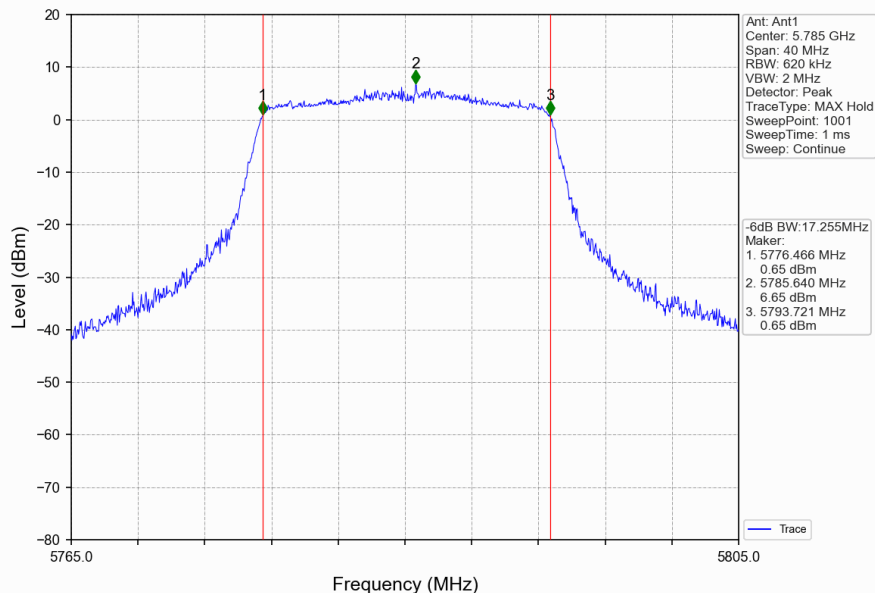
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



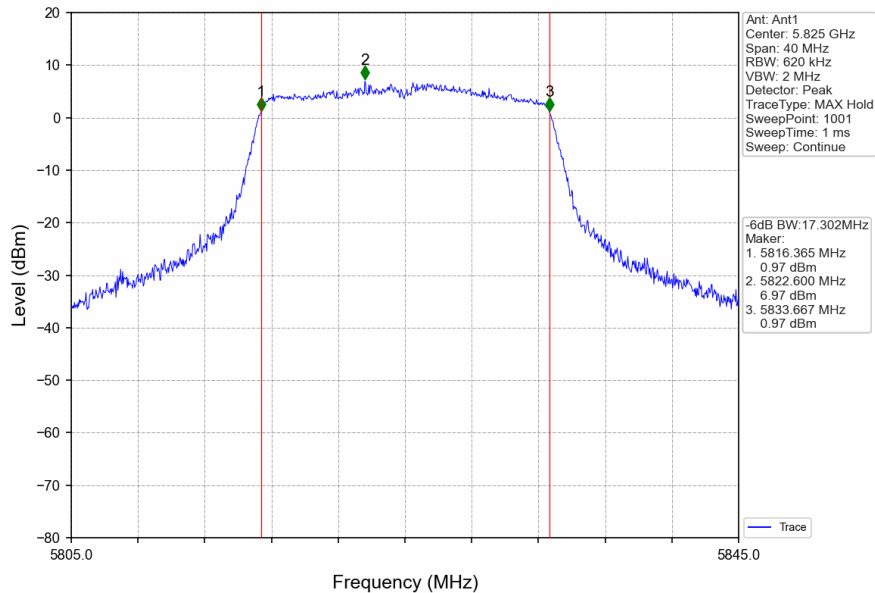
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



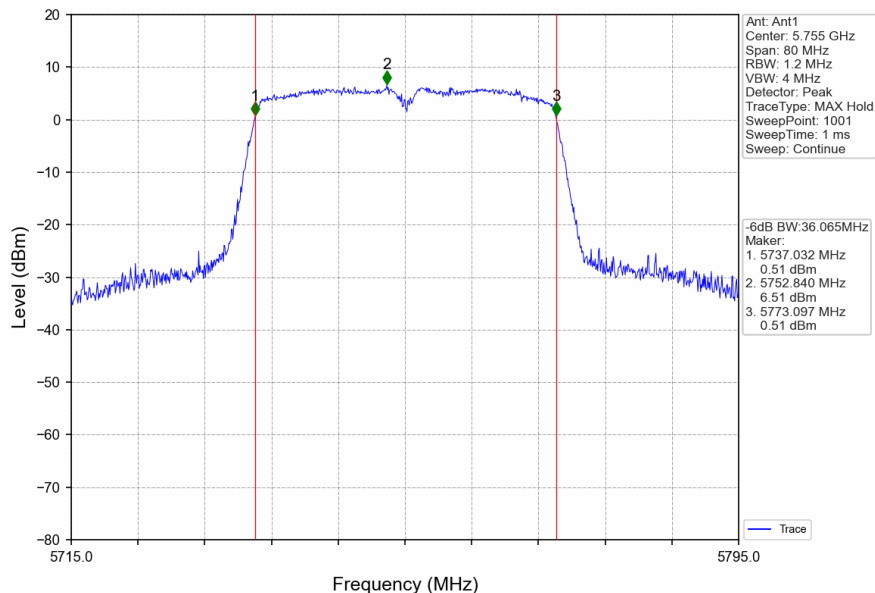
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV

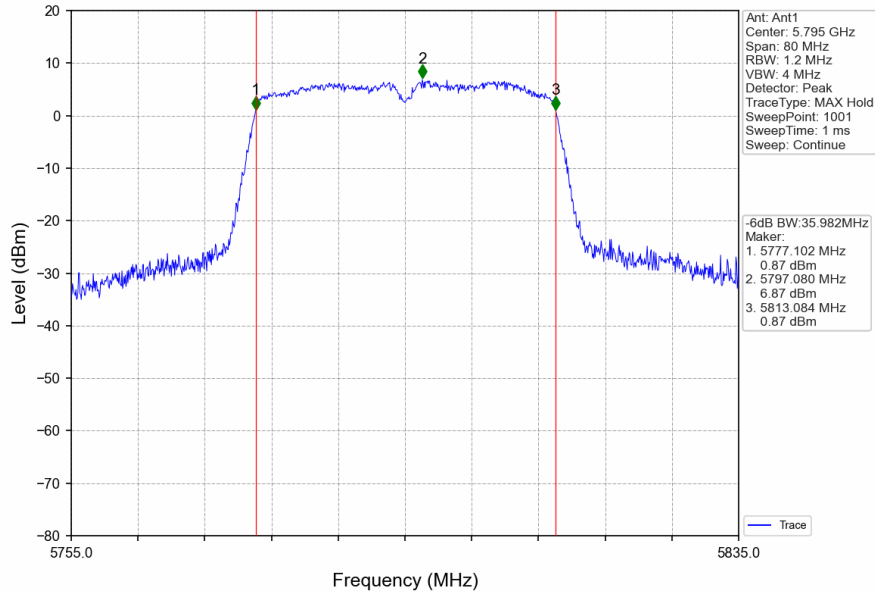


802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV

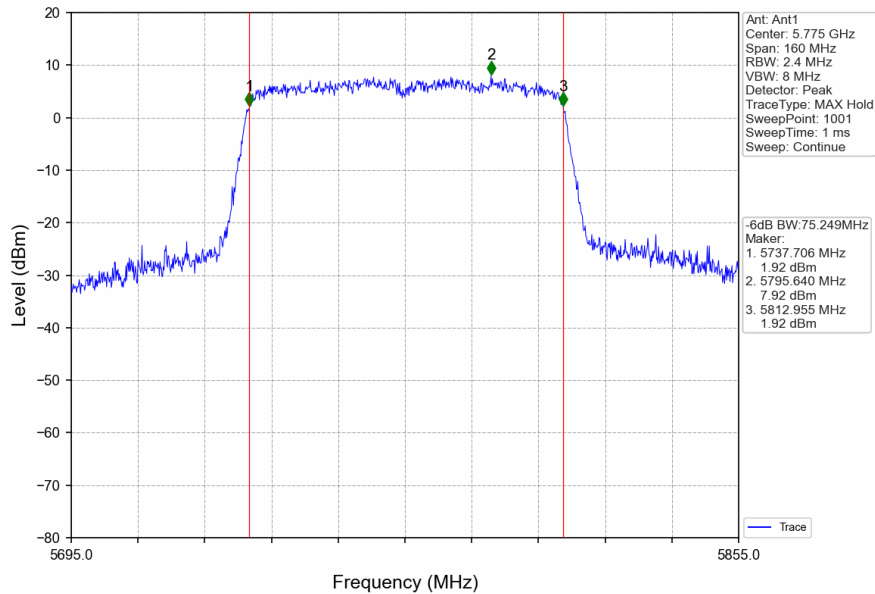




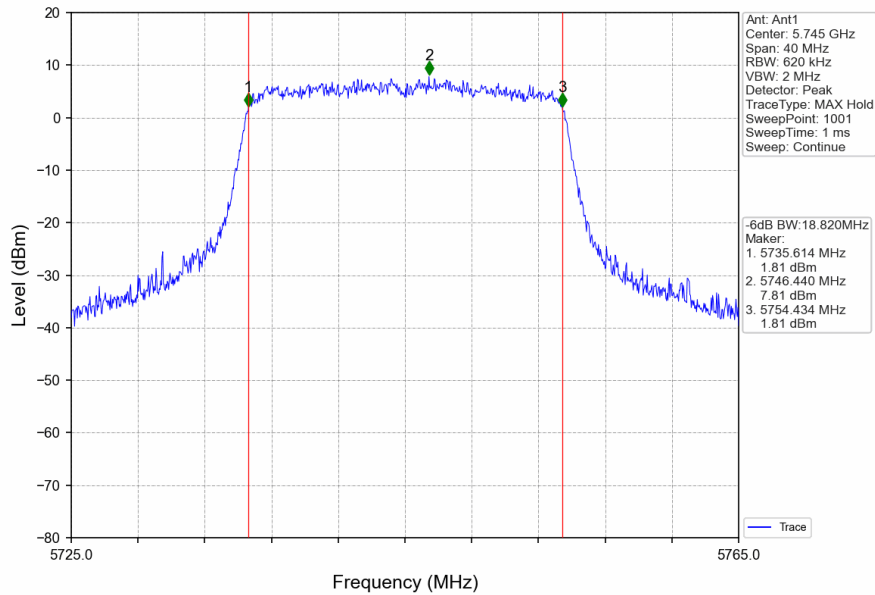
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



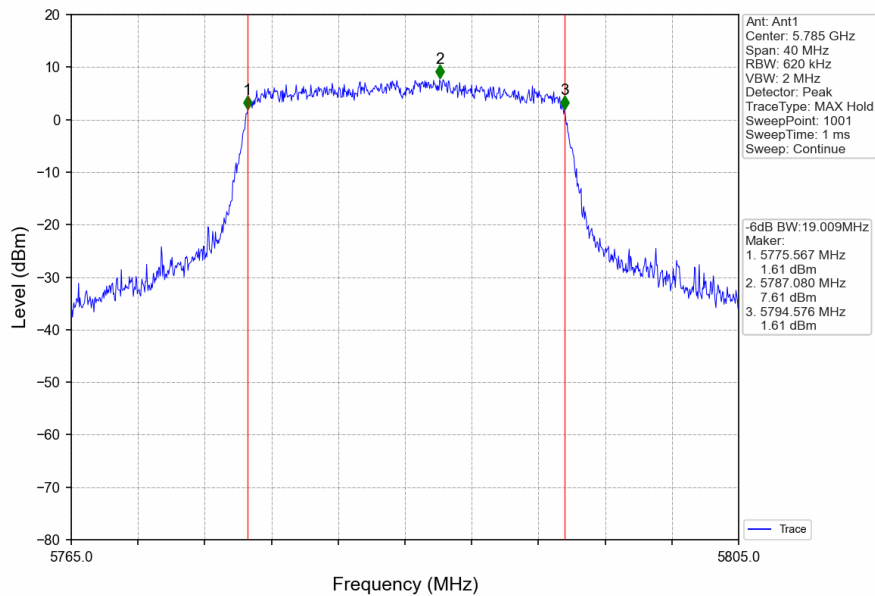
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



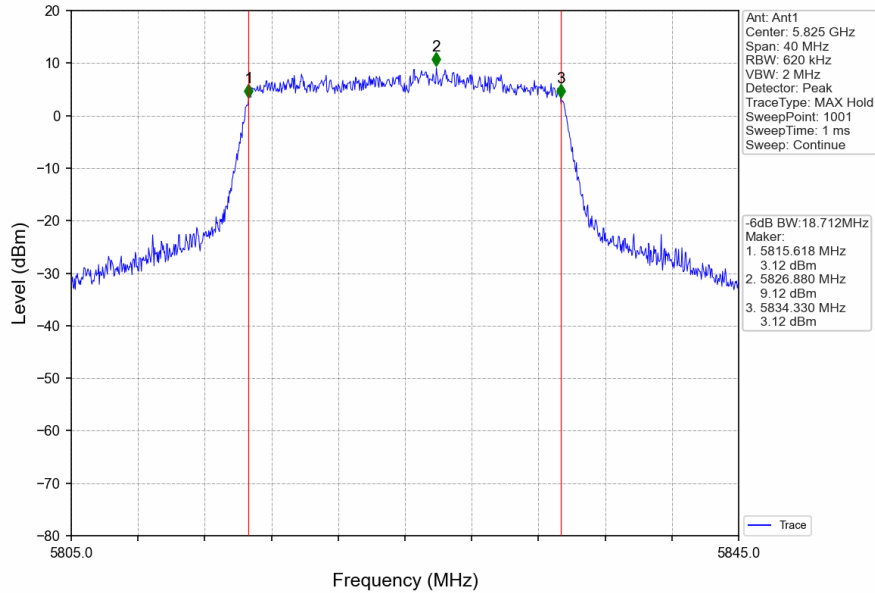
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



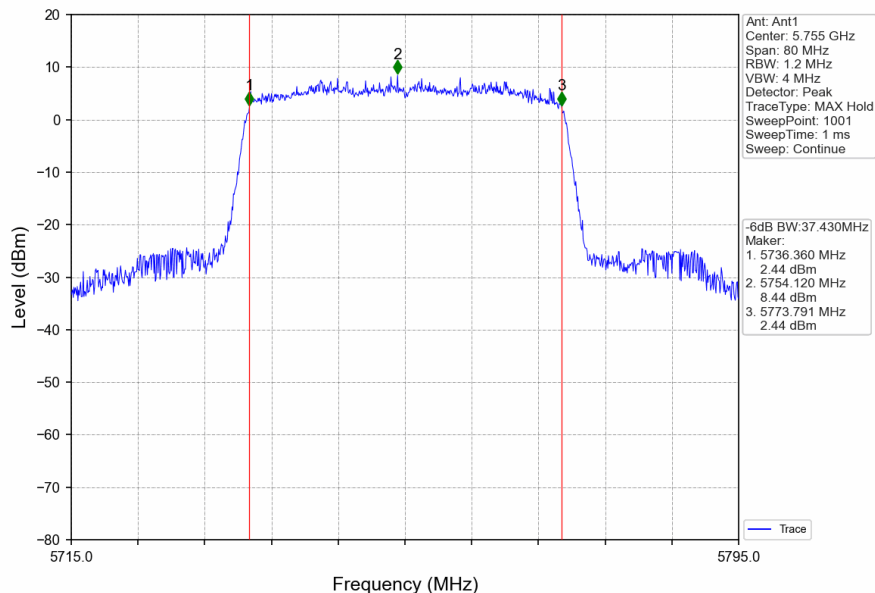
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



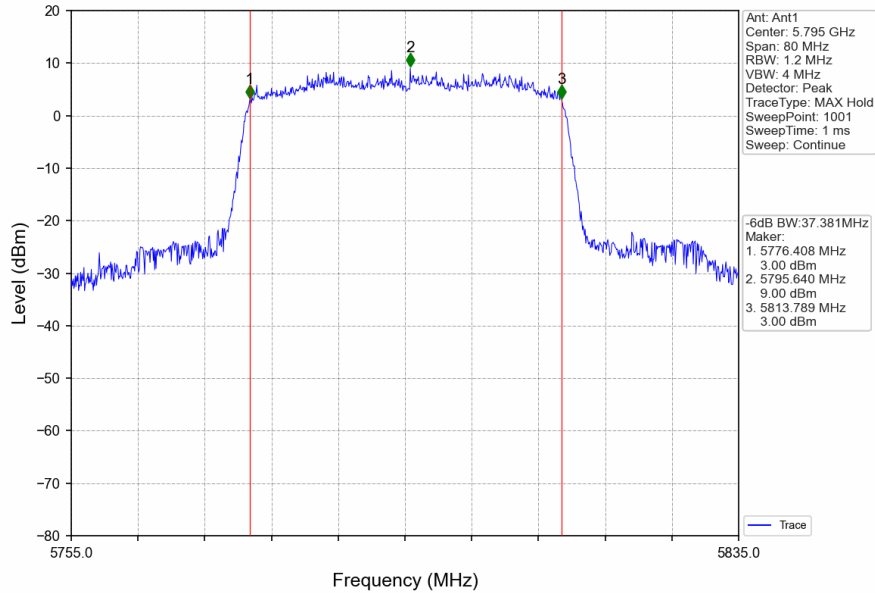
802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV



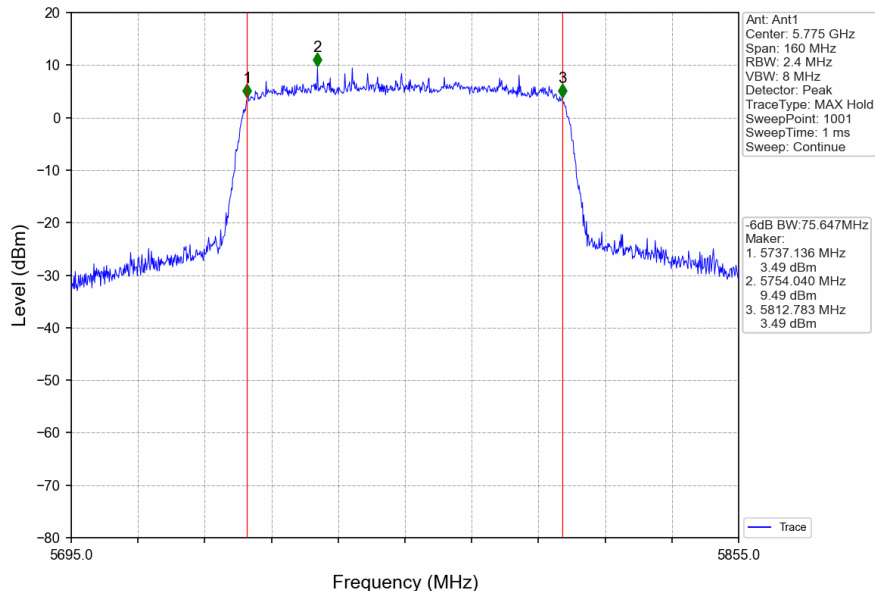
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802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW80)\_MCH\_5775MHz\_RU996\_Left\_Ant1\_NTNV



## Appendix D: Maximum conducted output power

### Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Conducted Output Power (dBm)				Verdict
					Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	/	/	14.89	16.05	/	<=23.98	Pass
		5200	/	/	15.51	16.47	/	<=23.98	Pass
		5240	/	/	16.82	17.38	/	<=23.98	Pass
		5260	/	/	17.27	17.61	/	<=23.98	Pass
		5300	/	/	17.53	17.68	/	<=23.98	Pass
		5320	/	/	17.85	18.10	/	<=23.98	Pass
		5500	/	/	17.54	17.58	/	<=23.98	Pass
		5580	/	/	16.68	17.53	/	<=23.98	Pass
		5700	/	/	15.25	17.45	/	<=23.98	Pass
		5745	/	/	13.78	16.03	/	<=30	Pass
		5785	/	/	13.92	15.78	/	<=30	Pass
		5825	/	/	14.73	15.86	/	<=30	Pass
802.11n (HT20)	MIMO	5180	/	/	12.84	13.98	16.46	<=23.98	Pass
		5200	/	/	13.53	14.43	17.01	<=23.98	Pass
		5240	/	/	14.76	15.22	18.01	<=23.98	Pass
		5260	/	/	15.14	15.45	18.31	<=23.98	Pass
		5300	/	/	15.52	15.58	18.56	<=23.98	Pass
		5320	/	/	15.89	16.06	<b>18.99</b>	<=23.98	Pass
		5500	/	/	15.44	15.57	18.52	<=23.98	Pass
		5580	/	/	14.64	15.64	18.18	<=23.98	Pass
		5700	/	/	13.28	15.54	17.57	<=23.98	Pass
		5745	/	/	11.77	14.16	16.14	<=30	Pass
		5785	/	/	11.96	13.87	16.03	<=30	Pass
		5825	/	/	12.77	14.10	16.50	<=30	Pass
802.11n (HT40)	MIMO	5190	/	/	10.40	11.40	13.94	<=23.98	Pass
		5230	/	/	13.20	13.76	16.50	<=23.98	Pass
		5270	/	/	14.00	14.05	17.04	<=23.98	Pass
		5310	/	/	14.43	14.34	17.40	<=23.98	Pass
		5510	/	/	14.30	14.66	17.49	<=23.98	Pass
		5550	/	/	13.55	14.62	17.13	<=23.98	Pass



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		5670	/	/	13.13	14.67	16.98	<=23.98	Pass
		5755	/	/	10.48	12.54	14.64	<=30	Pass
		5795	/	/	10.75	12.57	14.76	<=30	Pass
802.11ac (VHT20)	MIMO	5180	/	/	12.22	11.71	14.98	<=23.98	Pass
		5200	/	/	12.71	12.30	15.52	<=23.98	Pass
		5240	/	/	13.66	13.29	16.49	<=23.98	Pass
		5260	/	/	13.86	13.49	16.69	<=23.98	Pass
		5300	/	/	14.08	13.73	16.92	<=23.98	Pass
		5320	/	/	14.48	14.28	17.39	<=23.98	Pass
		5500	/	/	13.79	13.63	16.72	<=23.98	Pass
		5580	/	/	13.23	13.80	16.53	<=23.98	Pass
		5700	/	/	11.45	13.76	15.77	<=23.98	Pass
		5745	/	/	10.19	12.32	14.39	<=30	Pass
		5785	/	/	10.57	12.16	14.45	<=30	Pass
		5825	/	/	11.55	12.38	15.00	<=30	Pass
802.11ac (VHT40)	MIMO	5190	/	/	13.22	12.69	15.97	<=23.98	Pass
		5230	/	/	14.07	13.80	16.95	<=23.98	Pass
		5270	/	/	14.46	14.09	17.29	<=23.98	Pass
		5310	/	/	14.82	14.37	17.61	<=23.98	Pass
		5510	/	/	14.51	14.66	17.60	<=23.98	Pass
		5550	/	/	13.93	14.64	17.31	<=23.98	Pass
		5670	/	/	13.15	14.69	17.00	<=23.98	Pass
		5755	/	/	10.74	12.60	14.78	<=30	Pass
		5795	/	/	11.10	12.66	14.96	<=30	Pass
802.11ac (VHT80)	MIMO	5210	/	/	13.49	13.29	16.40	<=23.98	Pass
		5290	/	/	14.27	13.94	17.12	<=23.98	Pass
		5530	/	/	14.10	14.83	17.49	<=23.98	Pass
		5610	/	/	14.10	14.58	17.36	<=23.98	Pass
		5775	/	/	10.46	12.09	14.36	<=30	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	12.54	12.19	15.38	<=23.98	Pass
		5200	RU242	Left	12.99	12.66	15.84	<=23.98	Pass
		5240	RU242	Left	13.95	13.59	16.78	<=23.98	Pass
		5260	RU242	Left	14.09	13.80	16.96	<=23.98	Pass
		5300	RU242	Left	14.31	13.90	17.12	<=23.98	Pass
		5320	RU242	Left	14.70	14.51	17.62	<=23.98	Pass
		5500	RU242	Left	14.03	13.93	16.99	<=23.98	Pass



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		5580	RU242	Left	13.42	14.12	16.79	<=23.98	Pass
		5700	RU242	Left	11.64	13.97	15.97	<=23.98	Pass
		5745	RU242	Left	10.27	12.52	14.55	<=30	Pass
		5785	RU242	Left	10.59	12.34	14.56	<=30	Pass
		5825	RU242	Left	11.58	12.55	15.10	<=30	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	12.57	12.64	15.62	<=23.98	Pass
		5230	RU484	Left	13.68	13.75	16.73	<=23.98	Pass
		5270	RU484	Left	14.09	14.01	17.06	<=23.98	Pass
		5310	RU484	Left	14.55	14.27	17.42	<=23.98	Pass
		5510	RU484	Left	14.28	14.57	17.44	<=23.98	Pass
		5550	RU484	Left	13.53	14.55	17.08	<=23.98	Pass
		5670	RU484	Left	12.98	14.64	16.90	<=23.98	Pass
		5755	RU484	Left	10.44	12.53	14.62	<=30	Pass
		5795	RU484	Left	10.74	12.60	14.78	<=30	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	12.87	13.33	16.12	<=23.98	Pass
		5290	RU996	Left	14.12	13.98	17.06	<=23.98	Pass
		5530	RU996	Left	13.95	14.87	17.44	<=23.98	Pass
		5610	RU996	Left	13.98	14.54	17.28	<=23.98	Pass
		5775	RU996	Left	10.28	12.14	14.32	<=30	Pass
Note1: Antenna Gain: Ant1: 2.40dBi; Ant2: 2.40dBi;									
Note2: Directional Gain=2.40dBi									
Note3: Array gain=0dB.									

**Note:**

Ant1 power: Ant 1 conducted power + duty cycle factor.

Ant2 power: Ant 2 conducted power + duty cycle factor.

Ant1+2 power: Ant 1 conducted power + duty cycle factor + Ant 2 conducted power + duty cycle factor.

The Duty Cycle Factor is compensated in the test result.



## Appendix E: Maximum power spectral density

### Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	/	/	3.95	5.17	/	<=11	Pass
		5200	/	/	4.60	5.63	/	<=11	Pass
		5240	/	/	5.73	6.22	/	<=11	Pass
		5260	/	/	6.18	6.67	/	<=11	Pass
		5300	/	/	6.49	6.66	/	<=11	Pass
		5320	/	/	6.78	7.20	/	<=11	Pass
		5500	/	/	6.63	6.53	/	<=11	Pass
		5580	/	/	5.71	6.64	/	<=11	Pass
		5700	/	/	4.36	6.45	/	<=11	Pass
802.11n (HT20)	MIMO	5180	/	/	1.91	3.11	5.42	<=11	Pass
		5200	/	/	2.55	3.04	5.63	<=11	Pass
		5240	/	/	3.70	4.25	6.93	<=11	Pass
		5260	/	/	4.35	4.43	7.08	<=11	Pass
		5300	/	/	4.56	4.66	7.23	<=11	Pass
		5320	/	/	4.82	5.02	7.58	<=11	Pass
		5500	/	/	4.53	4.43	7.31	<=11	Pass
		5580	/	/	3.78	4.38	7.01	<=11	Pass
		5700	/	/	2.30	4.40	6.32	<=11	Pass
802.11n (HT40)	MIMO	5190	/	/	-2.52	-1.39	1.04	<=11	Pass
		5230	/	/	-0.92	-0.19	2.30	<=11	Pass
		5270	/	/	-0.16	-0.11	2.76	<=11	Pass
		5310	/	/	0.25	0.42	3.13	<=11	Pass
		5510	/	/	0.45	0.65	3.28	<=11	Pass
		5550	/	/	-0.43	0.59	2.99	<=11	Pass
		5670	/	/	-0.94	0.66	2.72	<=11	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1.09	0.86	3.89	<=11	Pass
		5200	/	/	1.77	1.42	4.48	<=11	Pass
		5240	/	/	2.81	2.22	5.26	<=11	Pass
		5260	/	/	2.88	2.48	5.41	<=11	Pass
		5300	/	/	3.10	2.90	5.61	<=11	Pass
		5320	/	/	3.43	3.20	6.05	<=11	Pass



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		5500	/	/	2.85	2.61	5.65	<=11	Pass
		5580	/	/	2.29	2.97	5.46	<=11	Pass
		5700	/	/	0.36	2.69	4.44	<=11	Pass
802.11ac (VHT40)	MIMO	5190	/	/	-0.86	-1.29	1.80	<=11	Pass
		5230	/	/	0.01	0.05	2.87	<=11	Pass
		5270	/	/	0.37	0.28	3.05	<=11	Pass
		5310	/	/	0.59	0.55	3.38	<=11	Pass
		5510	/	/	0.45	0.90	3.41	<=11	Pass
		5550	/	/	-0.13	0.77	3.15	<=11	Pass
		5670	/	/	-0.98	0.59	2.82	<=11	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-3.78	-3.56	-0.78	<=11	Pass
		5290	/	/	-3.14	-3.23	-0.53	<=11	Pass
		5530	/	/	-3.16	-2.32	-0.01	<=11	Pass
		5610	/	/	-3.08	-2.68	-0.04	<=11	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1.32	0.97	4.04	<=11	Pass
		5200	RU242	Left	1.83	1.44	4.47	<=11	Pass
		5240	RU242	Left	2.72	2.56	5.39	<=11	Pass
		5260	RU242	Left	2.81	2.65	5.58	<=11	Pass
		5300	RU242	Left	3.02	2.71	5.50	<=11	Pass
		5320	RU242	Left	3.33	3.27	6.09	<=11	Pass
		5500	RU242	Left	2.91	2.70	5.65	<=11	Pass
		5580	RU242	Left	2.42	2.84	5.59	<=11	Pass
802.11ax (HEW40)	MIMO	5700	RU242	Left	0.31	2.72	4.47	<=11	Pass
		5190	RU484	Left	-1.47	-1.47	1.32	<=11	Pass
		5230	RU484	Left	-0.47	-0.19	2.31	<=11	Pass
		5270	RU484	Left	-0.06	0.24	2.81	<=11	Pass
		5310	RU484	Left	0.47	0.26	2.92	<=11	Pass
		5510	RU484	Left	-0.02	0.45	2.99	<=11	Pass
		5550	RU484	Left	-0.58	0.38	2.86	<=11	Pass
802.11ax (HEW80)	MIMO	5670	RU484	Left	-1.18	0.56	2.41	<=11	Pass
		5210	RU996	Left	-4.43	-3.74	-1.24	<=11	Pass
		5290	RU996	Left	-3.31	-3.12	-0.45	<=11	Pass
		5530	RU996	Left	-3.32	-2.31	0.06	<=11	Pass
		5610	RU996	Left	-3.38	-2.65	-0.20	<=11	Pass

Note1: Antenna Gain: Ant1: 2.40dBi; Ant2: 2.40dBi;



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Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5745	/	/	-0.27	2.04	/	<=30	Pass
		5785	/	/	0.01	1.78	/	<=30	Pass
		5825	/	/	0.96	2.19	/	<=30	Pass
802.11n (HT20)	MIMO	5745	/	/	-2.14	0.22	1.89	<=30	Pass
		5785	/	/	-1.81	0.02	2.11	<=30	Pass
		5825	/	/	-0.84	-0.02	2.34	<=30	Pass
802.11n (HT40)	MIMO	5755	/	/	-6.64	-4.24	-2.47	<=30	Pass
		5795	/	/	-6.05	-4.42	-2.27	<=30	Pass
802.11ac (VHT20)	MIMO	5745	/	/	-3.58	-1.71	0.17	<=30	Pass
		5785	/	/	-2.99	-1.72	0.61	<=30	Pass
		5825	/	/	-1.99	-1.76	0.96	<=30	Pass
802.11ac (VHT40)	MIMO	5755	/	/	-6.42	-4.41	-2.40	<=30	Pass
		5795	/	/	-5.69	-4.31	-2.14	<=30	Pass
802.11ac (VHT80)	MIMO	5775	/	/	-9.36	-7.72	-5.80	<=30	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	-3.78	-1.66	0.15	<=30	Pass
		5785	RU242	Left	-3.43	-1.87	0.21	<=30	Pass
		5825	RU242	Left	-2.48	-1.79	0.79	<=30	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	-6.51	-4.55	-2.71	<=30	Pass
		5795	RU484	Left	-5.72	-4.45	-2.37	<=30	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	-9.63	-7.73	-5.83	<=30	Pass
Note1: Antenna Gain: Ant1: 2.40dBi; Ant2: 2.40dBi;									
Note2: Directional Gain=2.4+10*log(2)= 5.41dBi									

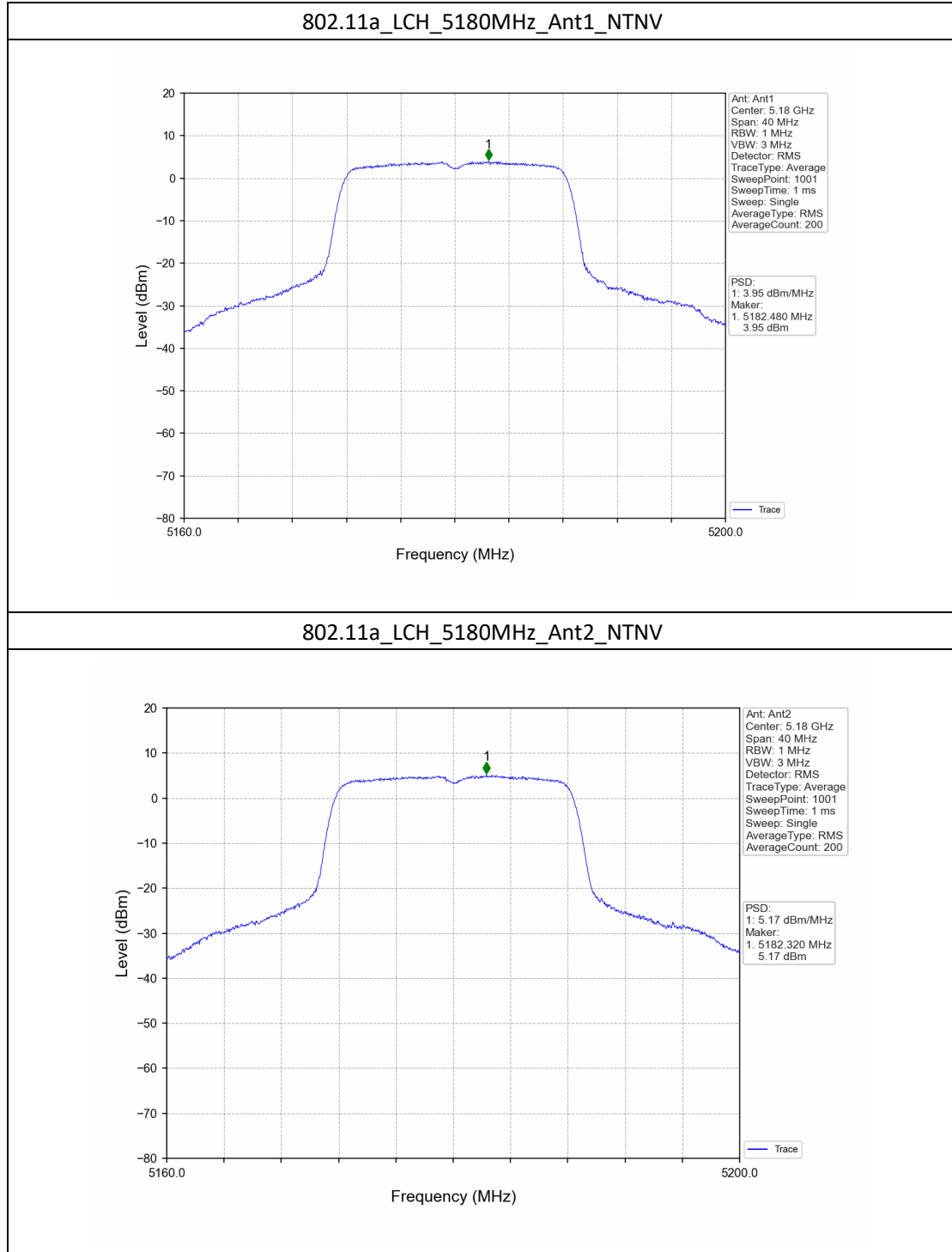
### Note:

Ant1 power spectral density: Ant 1 conducted power spectral density + duty cycle factor  
 Ant2 power spectral density: Ant 2 conducted power spectral density + duty cycle factor  
 Ant1+2 power spectral density: Ant 1 conducted power spectral density + duty cycle factor + Ant 2 conducted power spectral density + duty cycle factor.  
 The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
 The Duty Cycle Factor and RBW Factor is compensated in the graph.





### Test Graphs

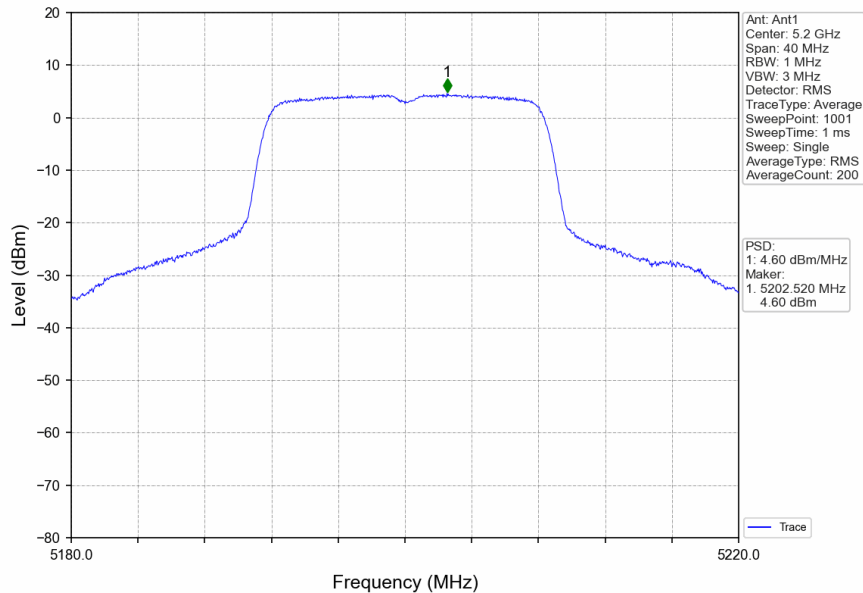


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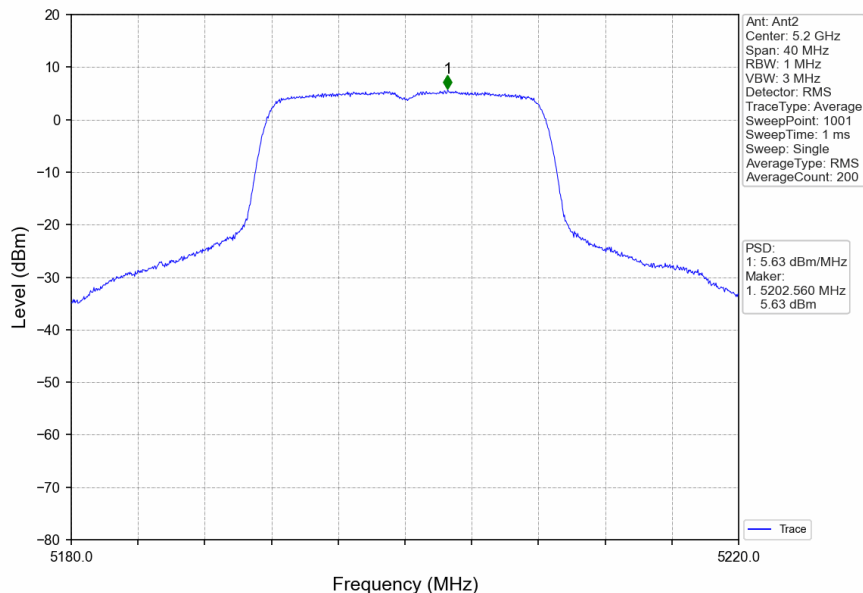
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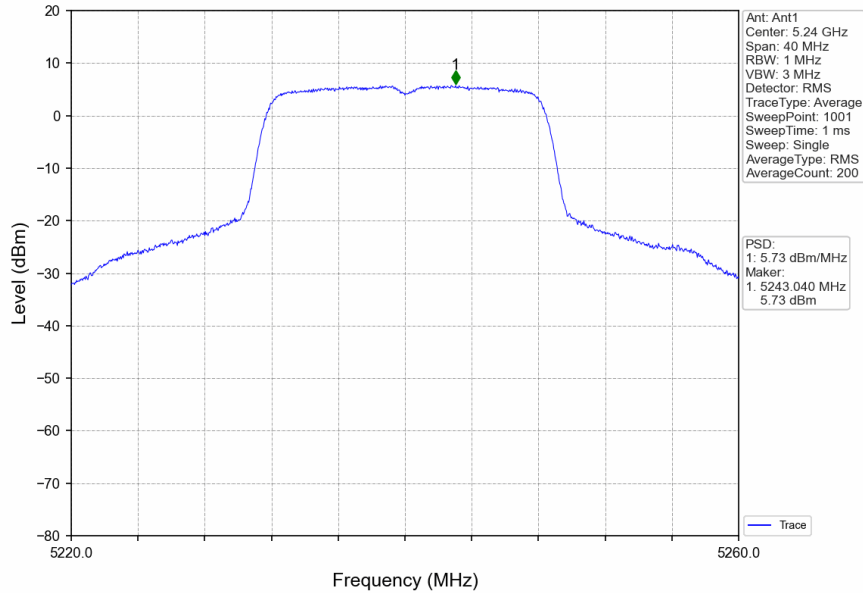
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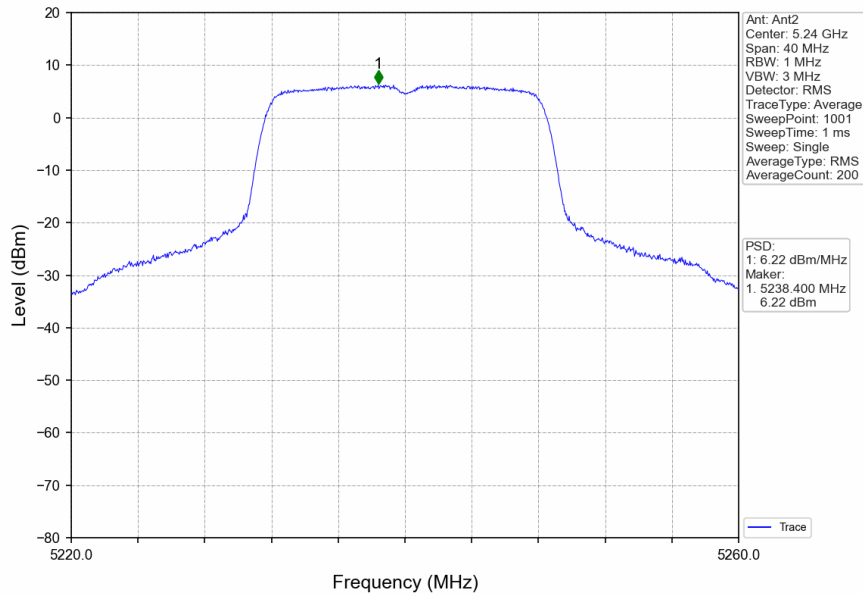
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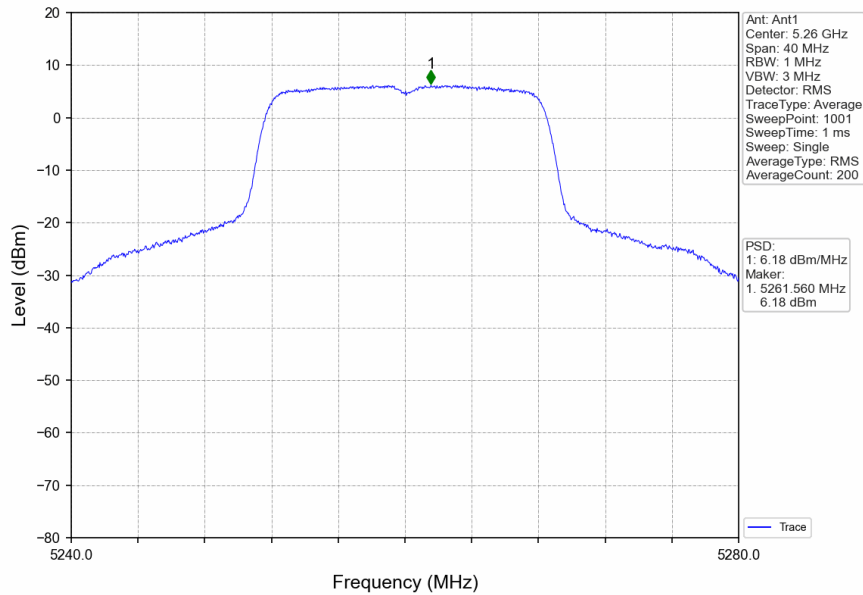
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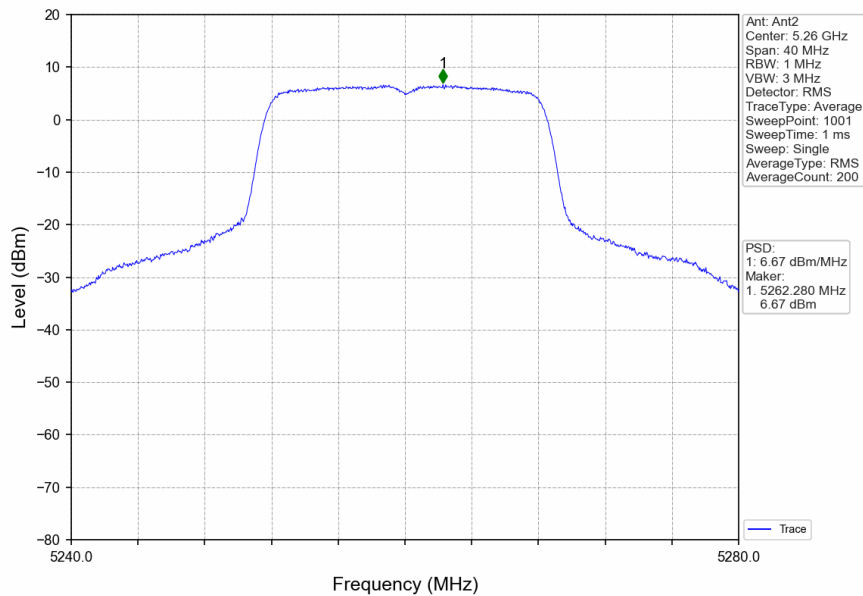
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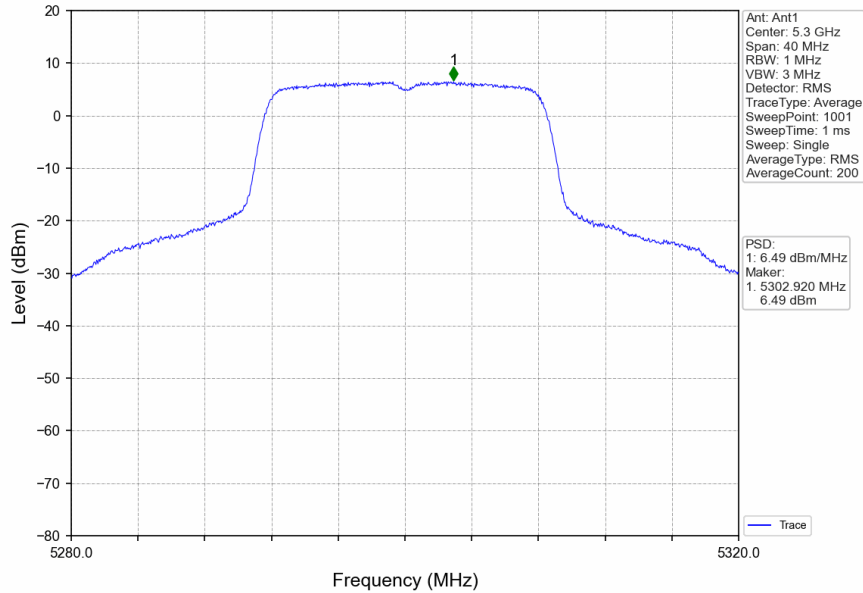
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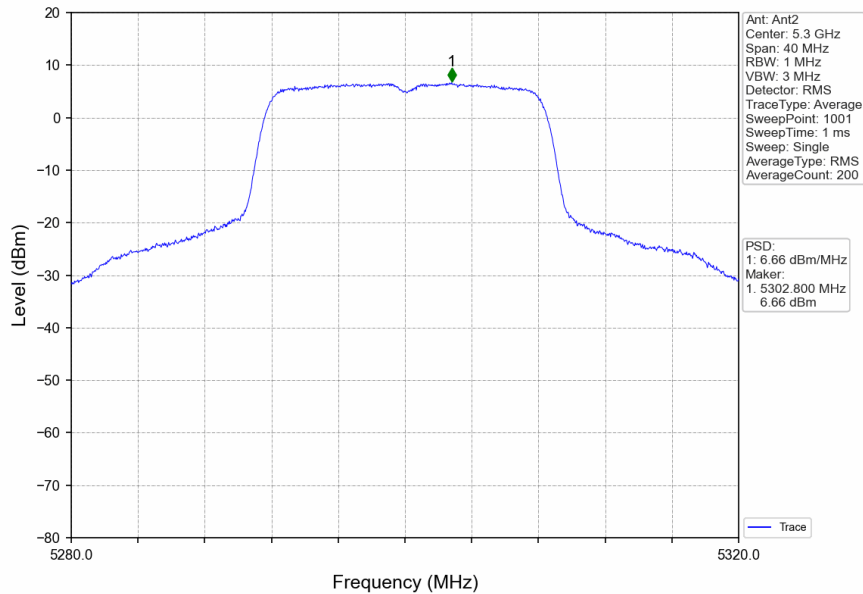
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV

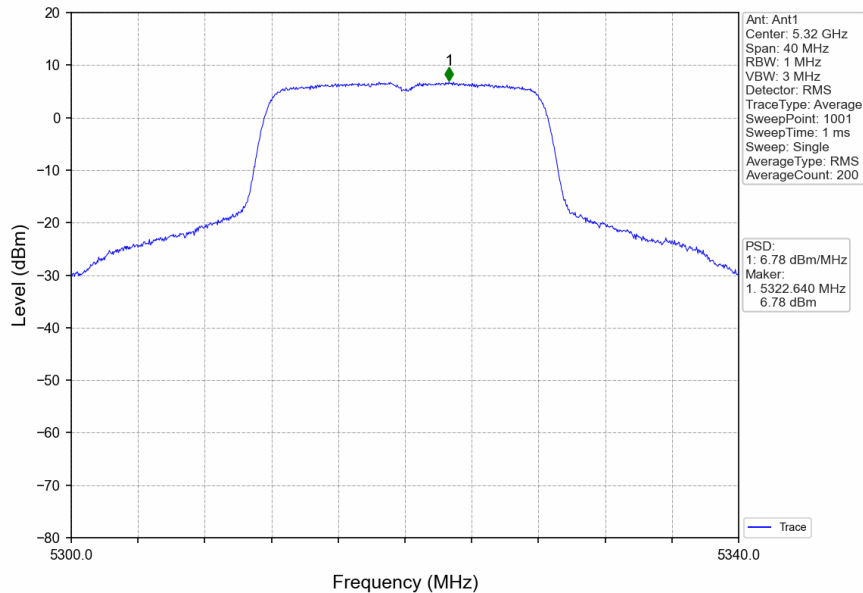


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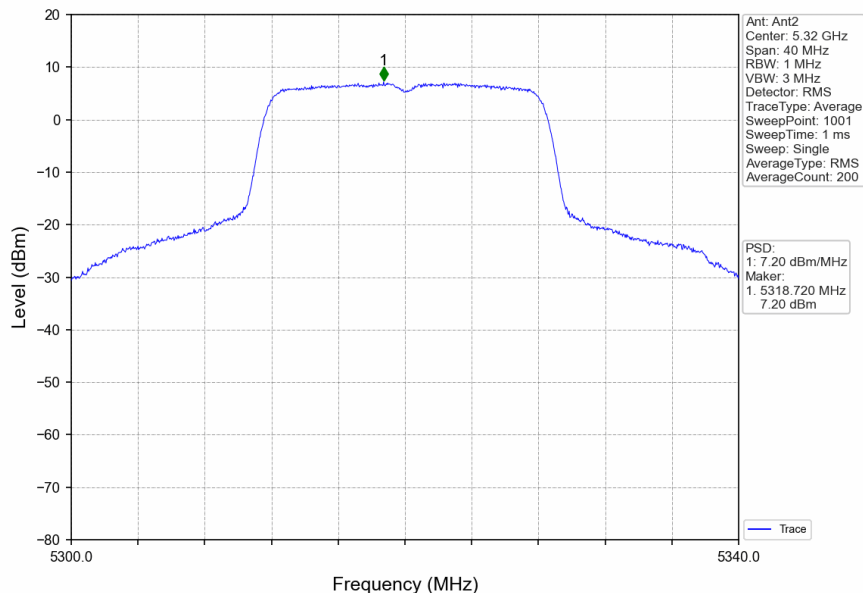




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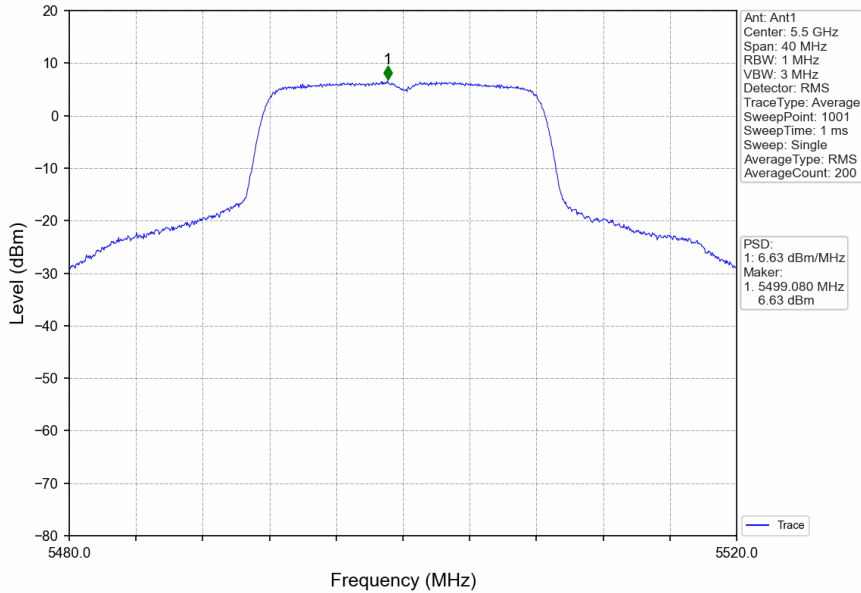
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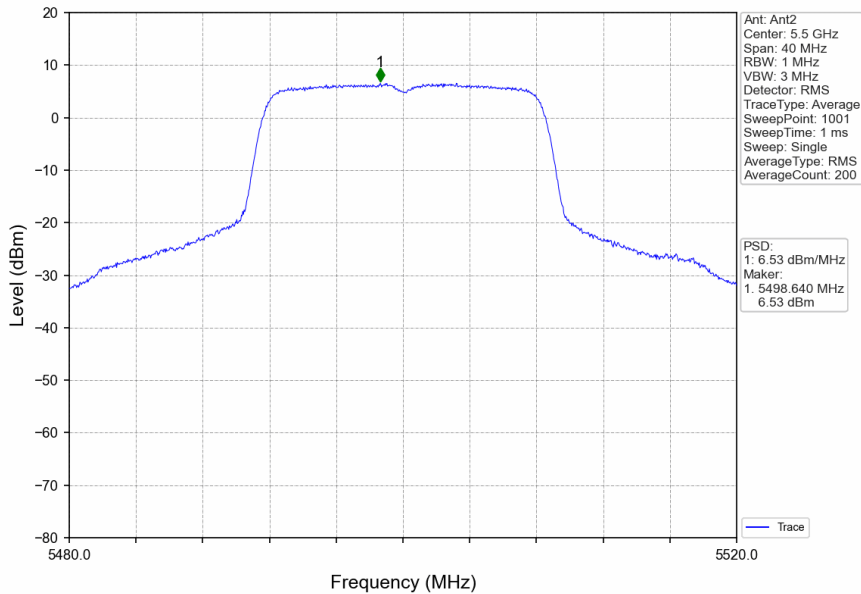
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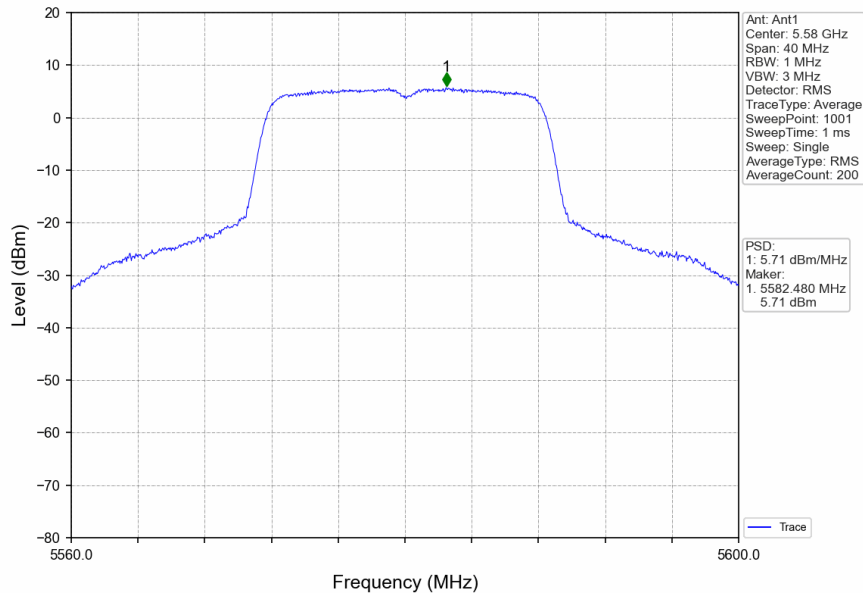
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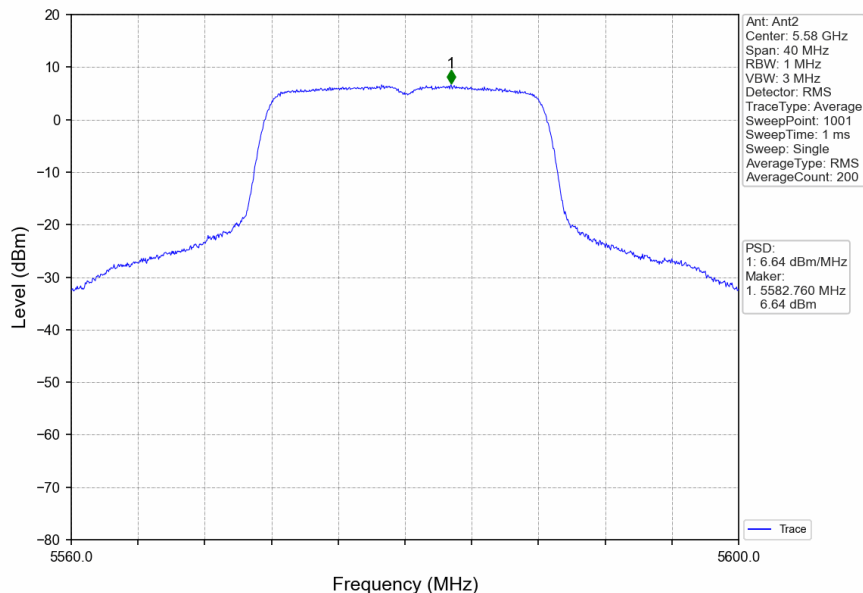
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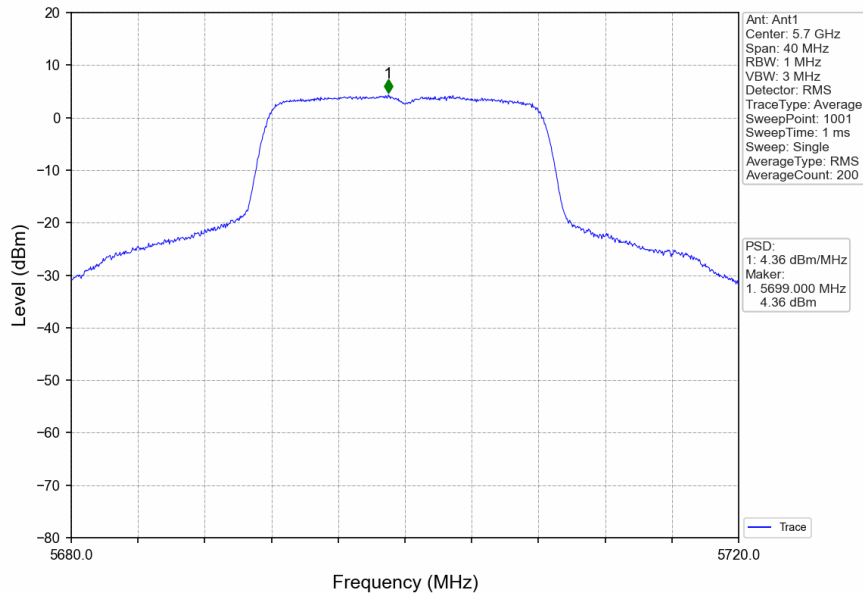
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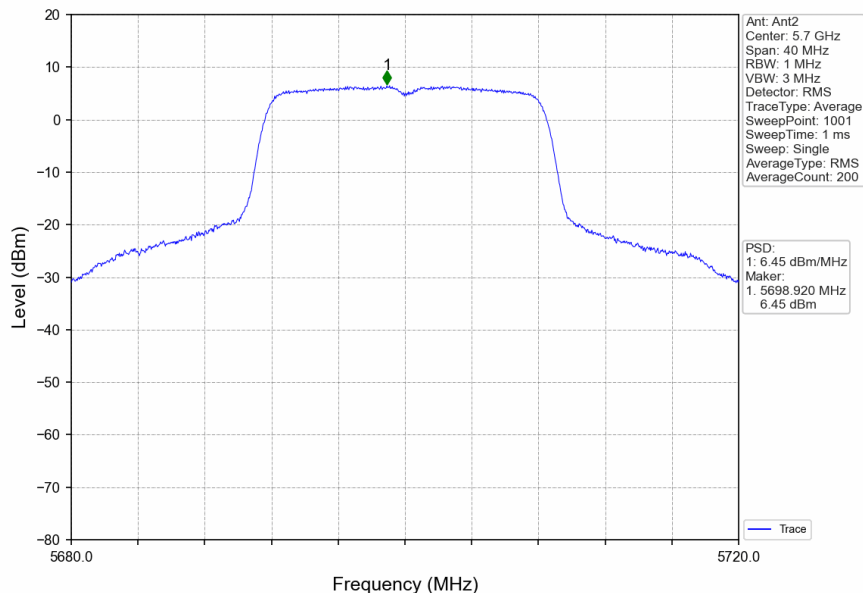
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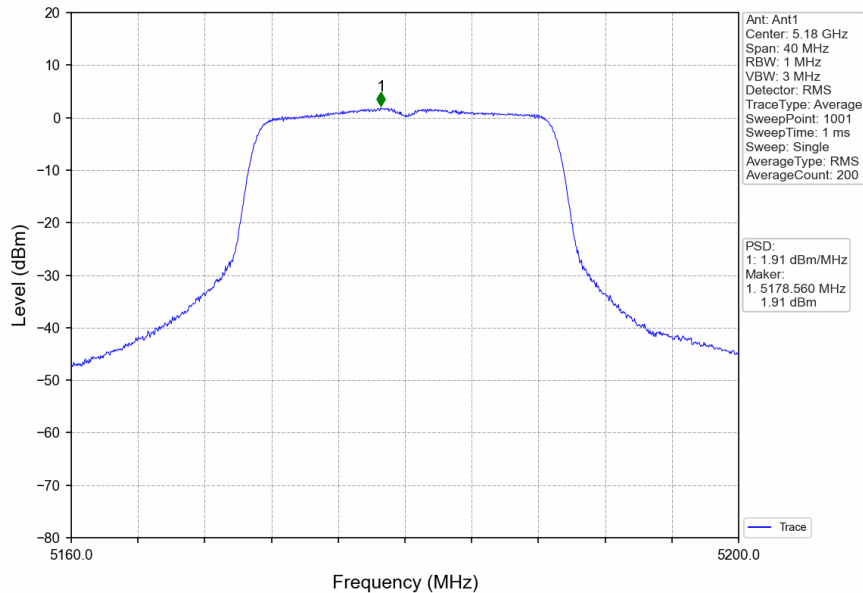
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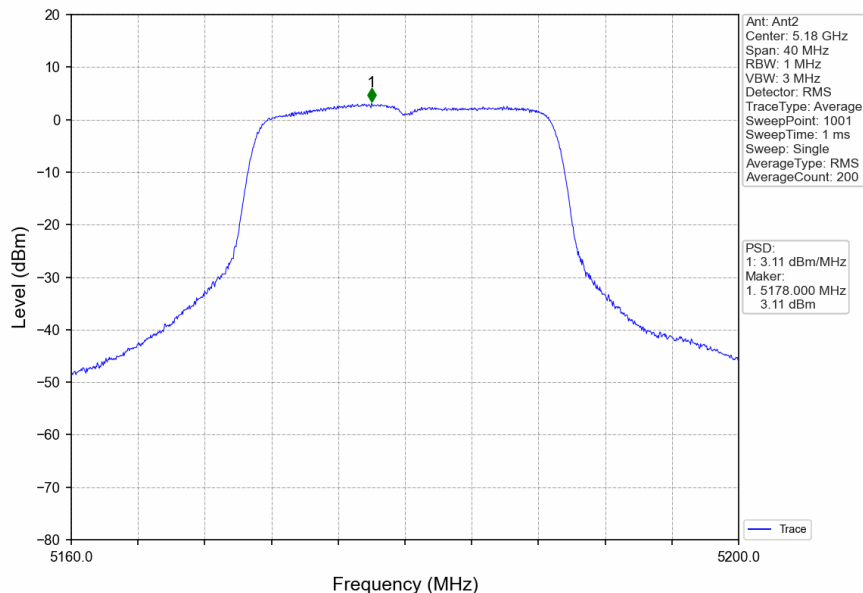
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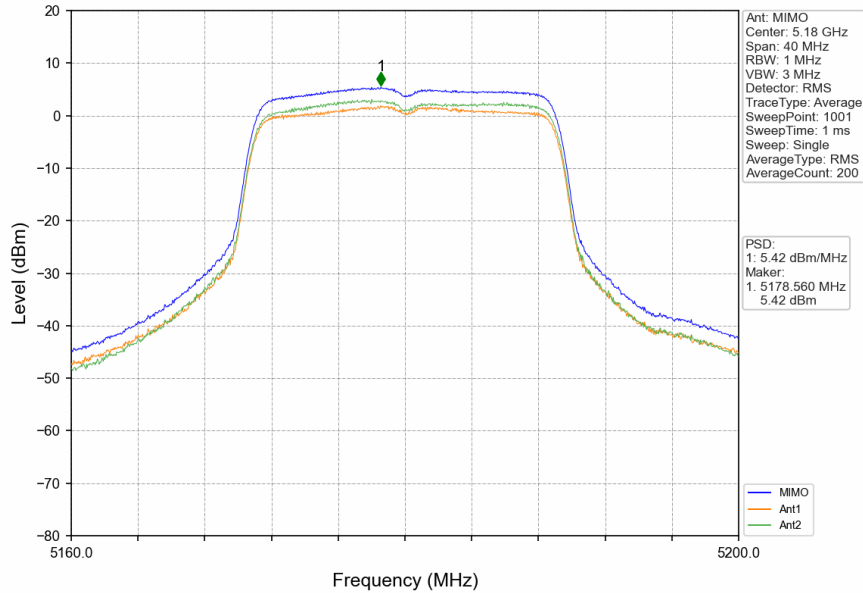


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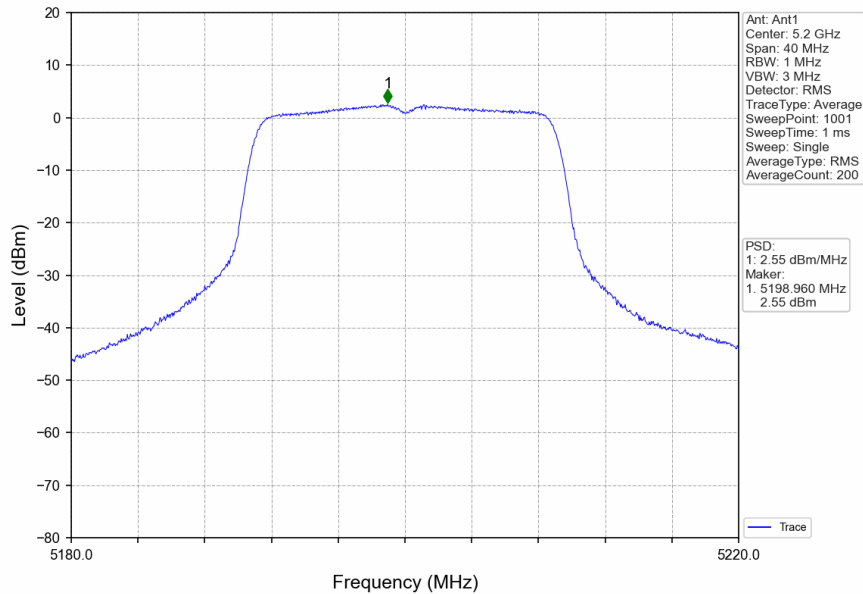




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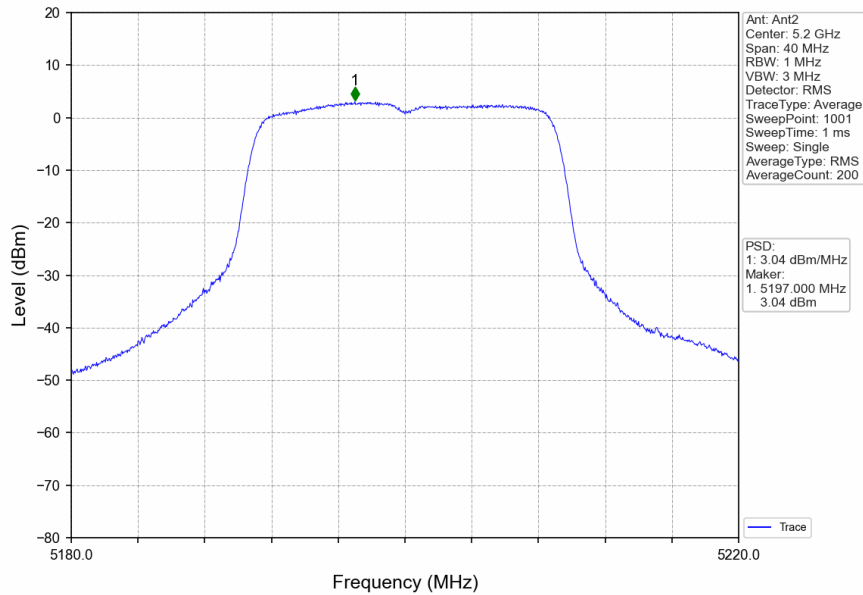
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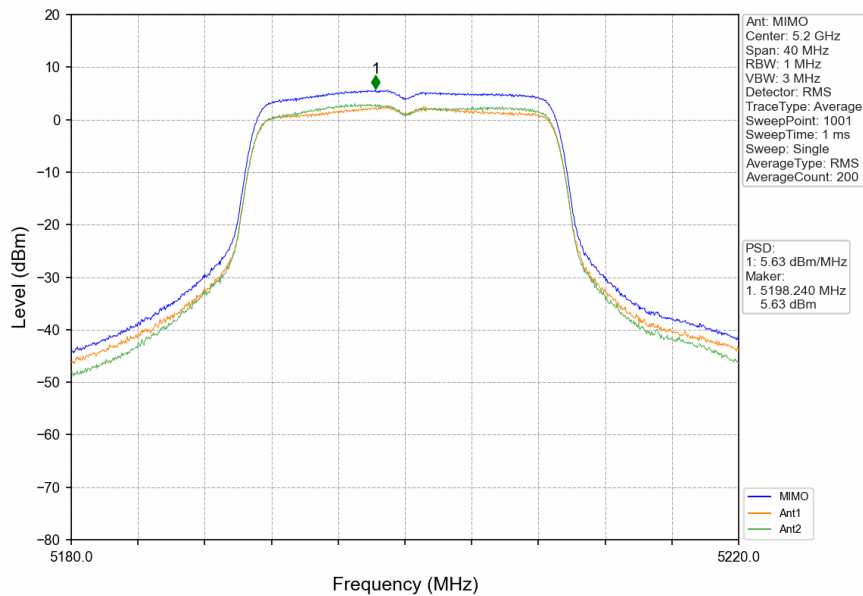
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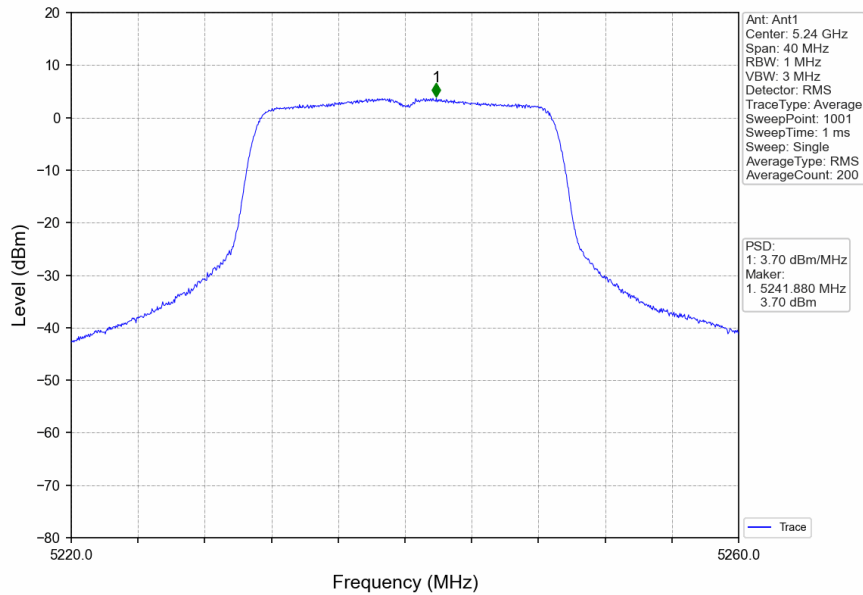
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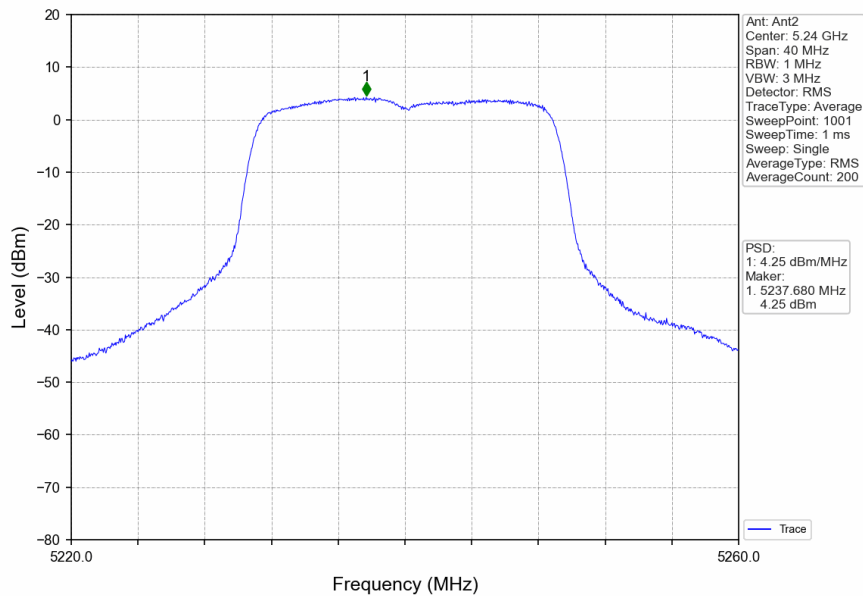
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



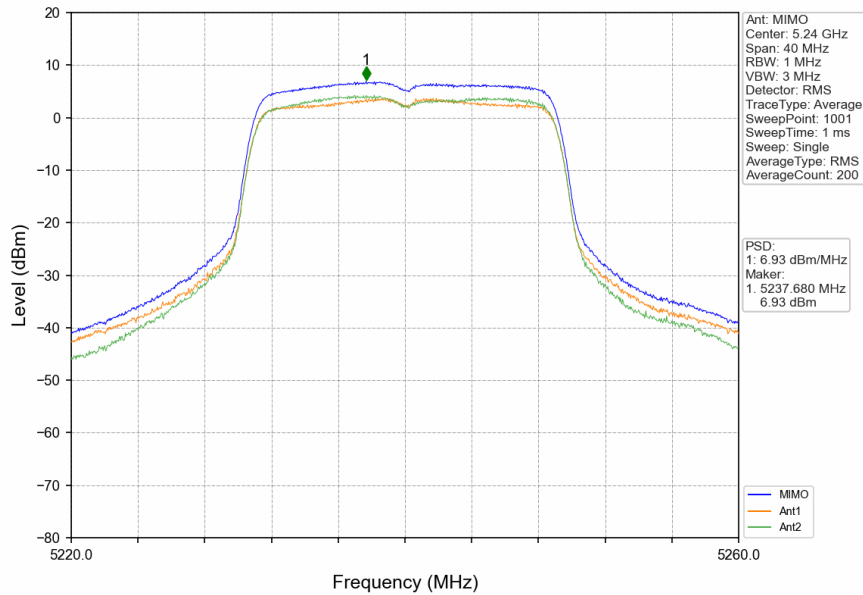
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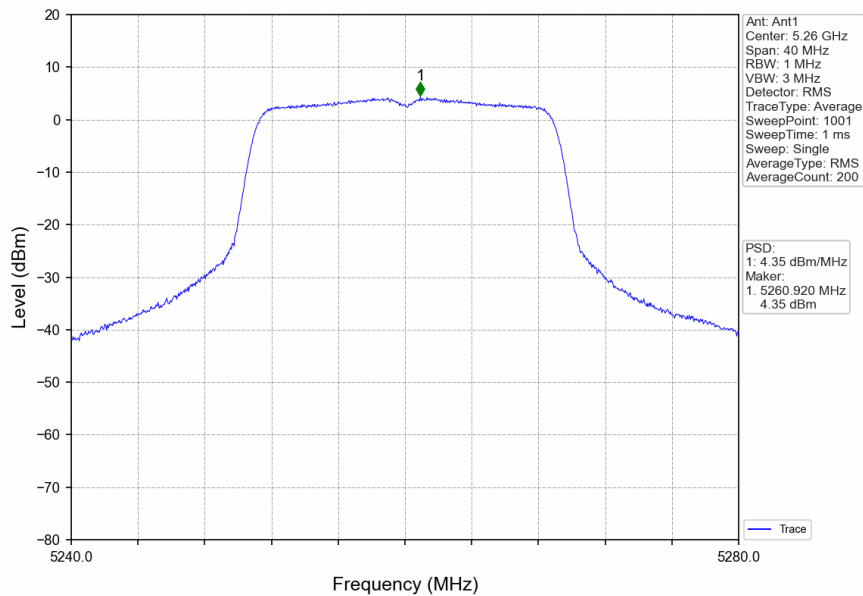
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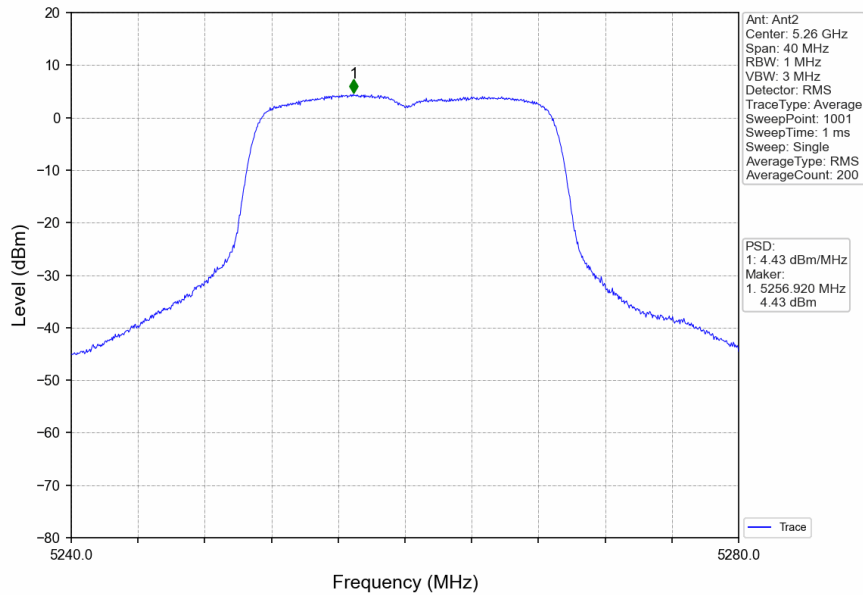
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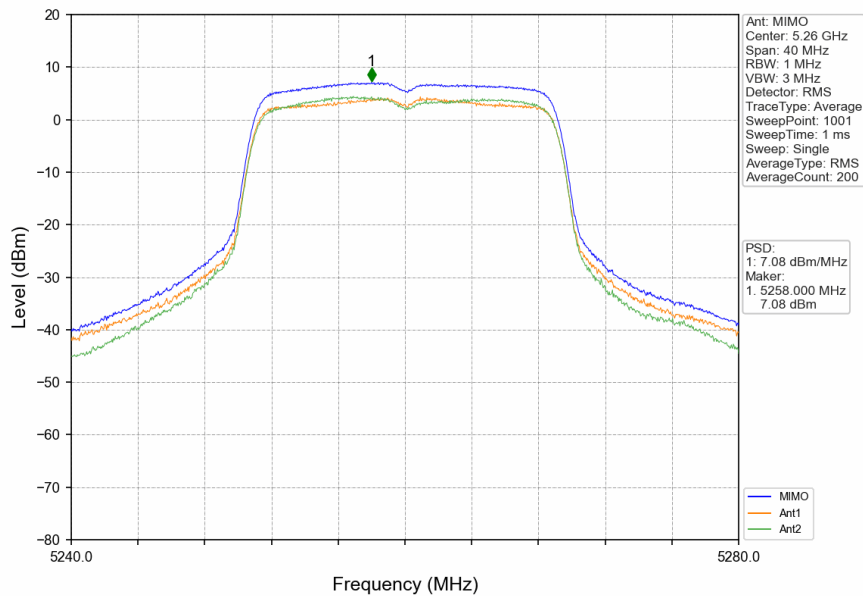
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802.11n(HT20)\_LCH\_5260MHz\_Ant2\_NTNV



802.11n(HT20)\_LCH\_5260MHz\_MIMO\_NTNV

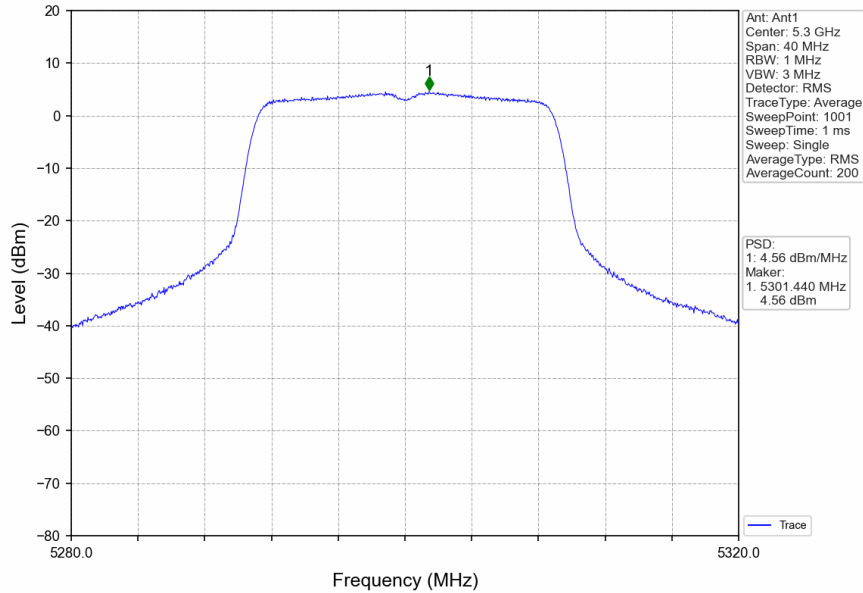


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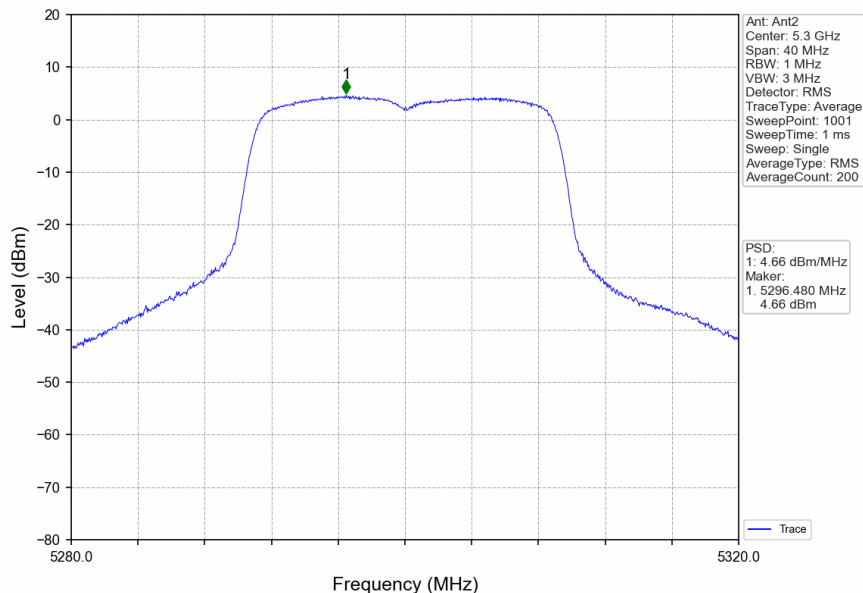
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802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5300MHz\_Ant2\_NTNV

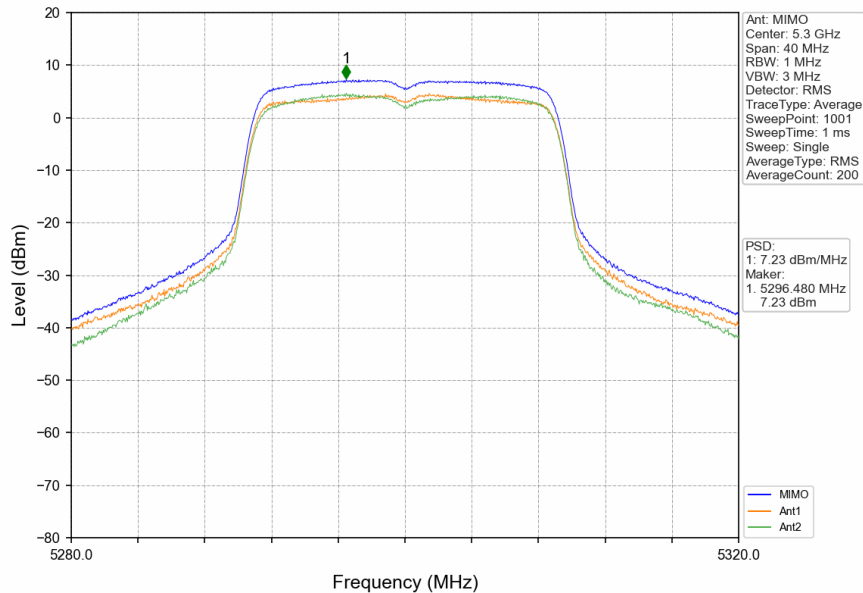


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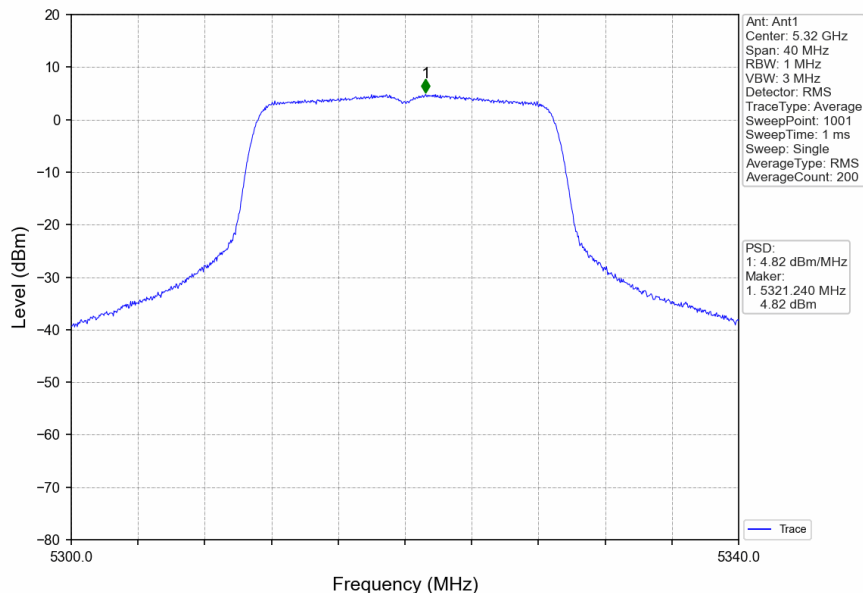
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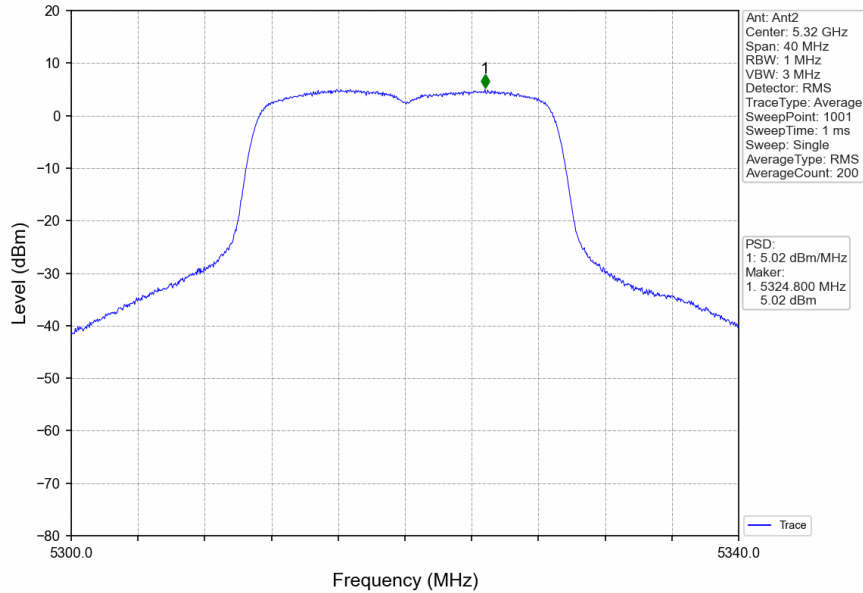
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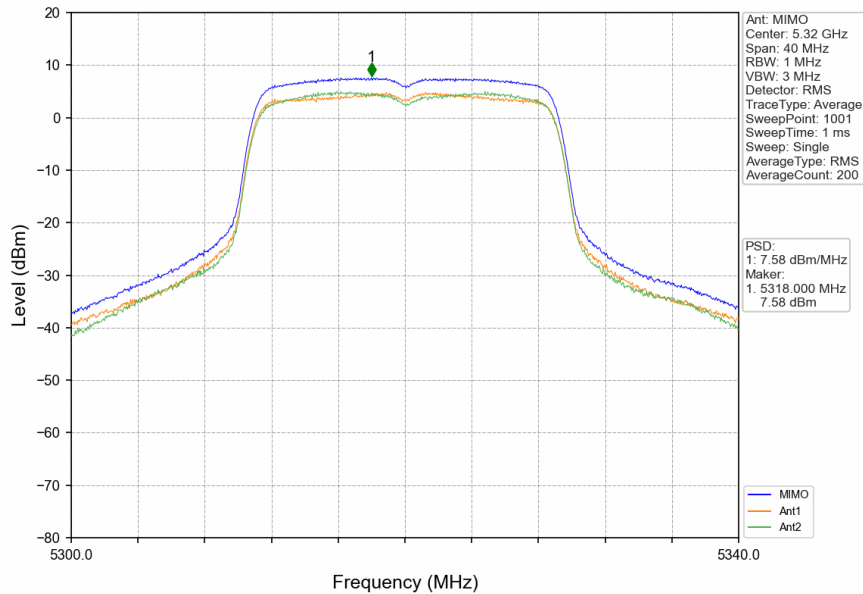
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802.11n(HT20)\_HCH\_5320MHz\_Ant2\_NTNV



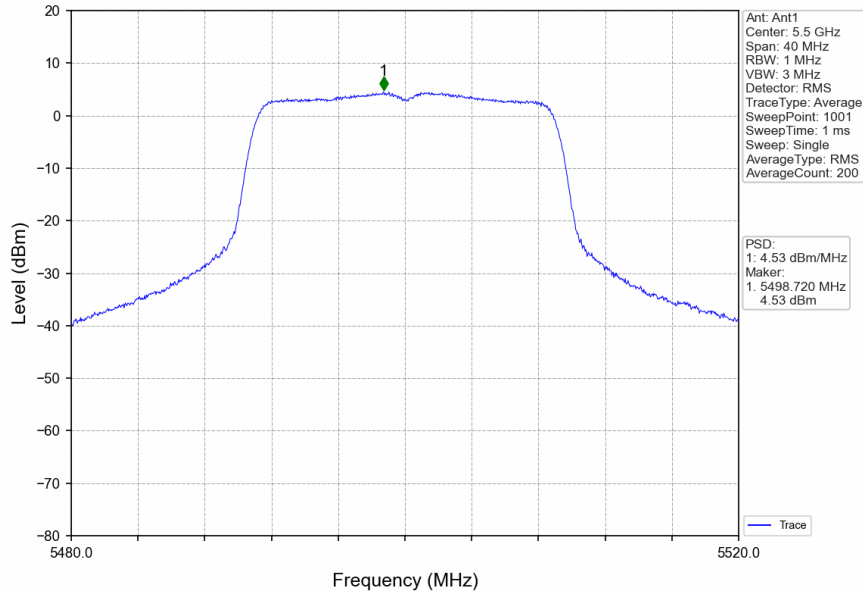
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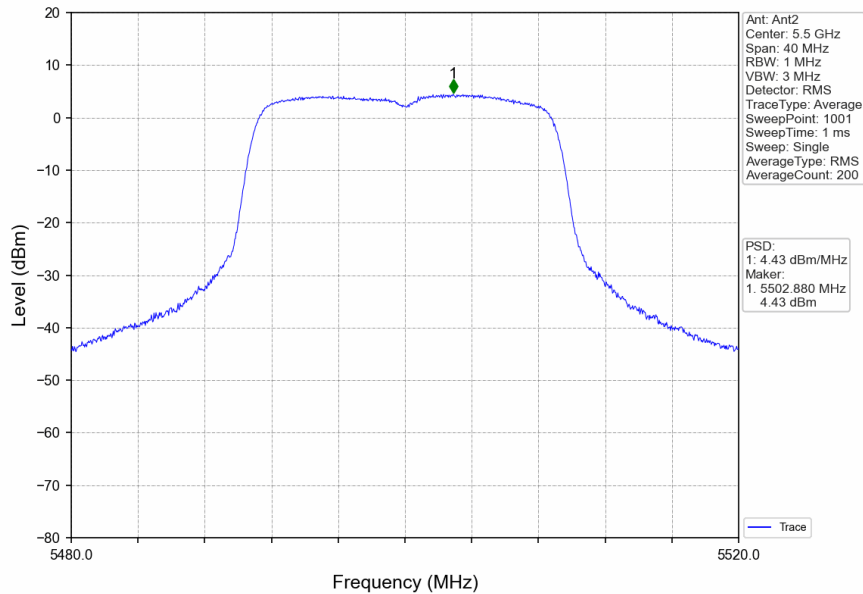
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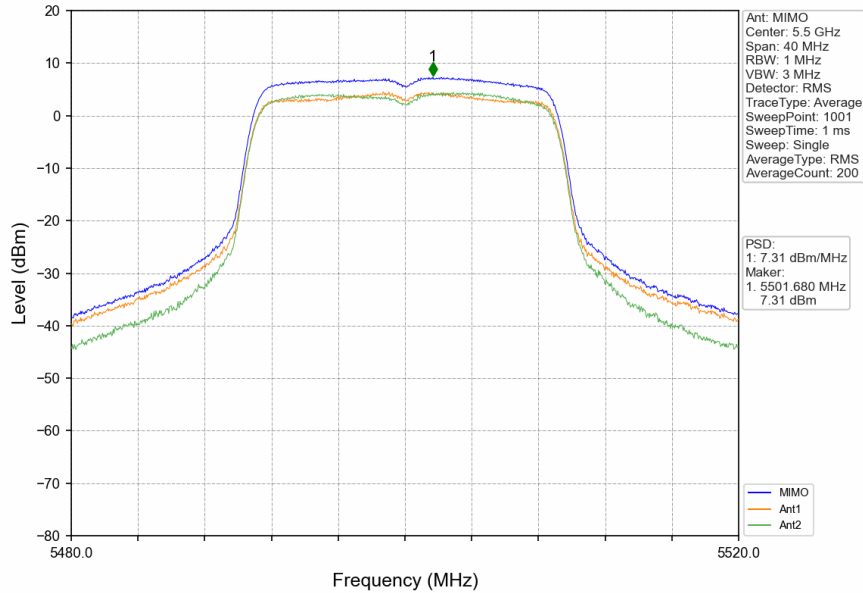
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



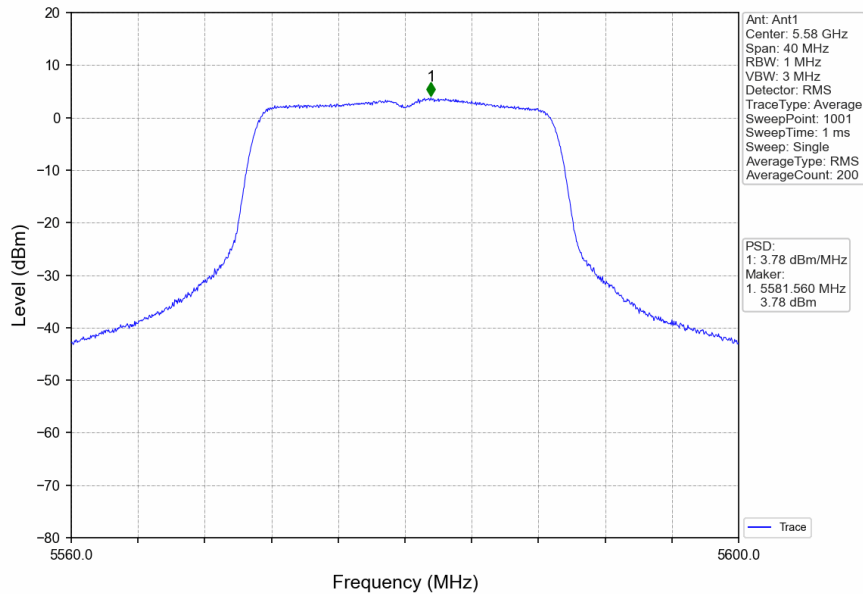
802.11n(HT20)\_LCH\_5500MHz\_Ant2\_NTNV



### 802.11n(HT20)\_LCH\_5500MHz\_MIMO\_NTNV

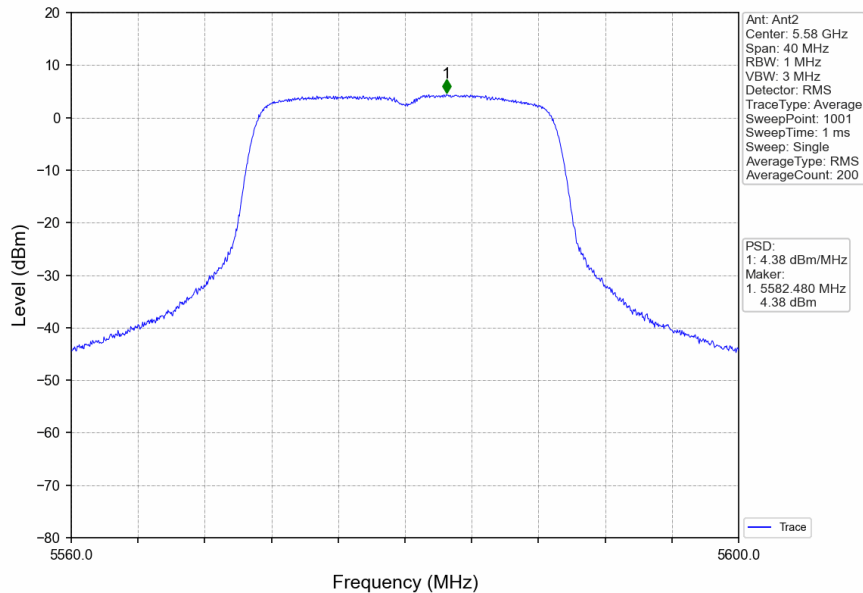


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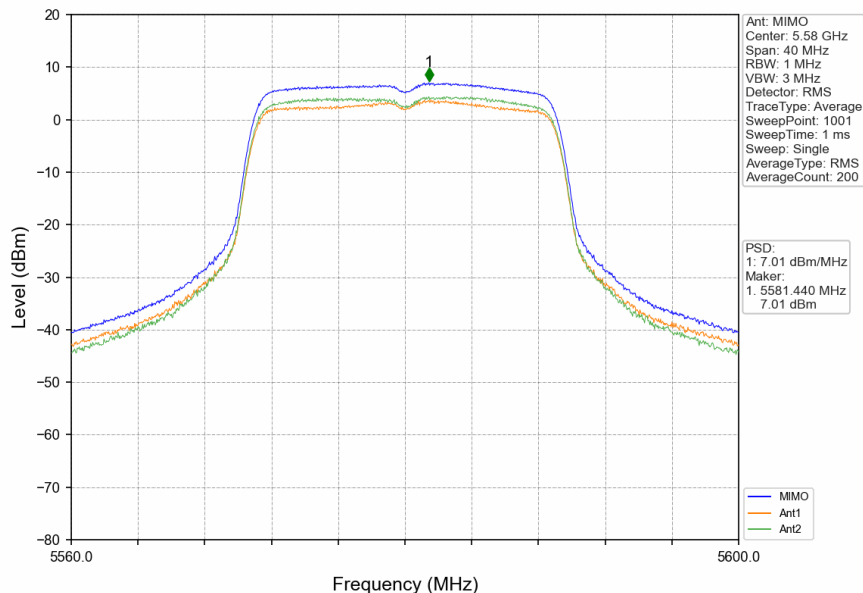




802.11n(HT20)\_MCH\_5580MHz\_Ant2\_NTNV



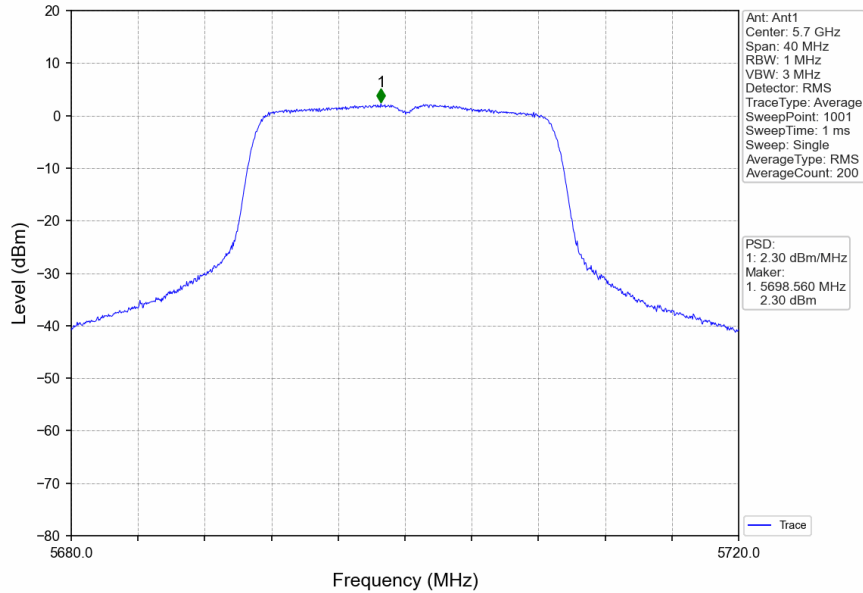
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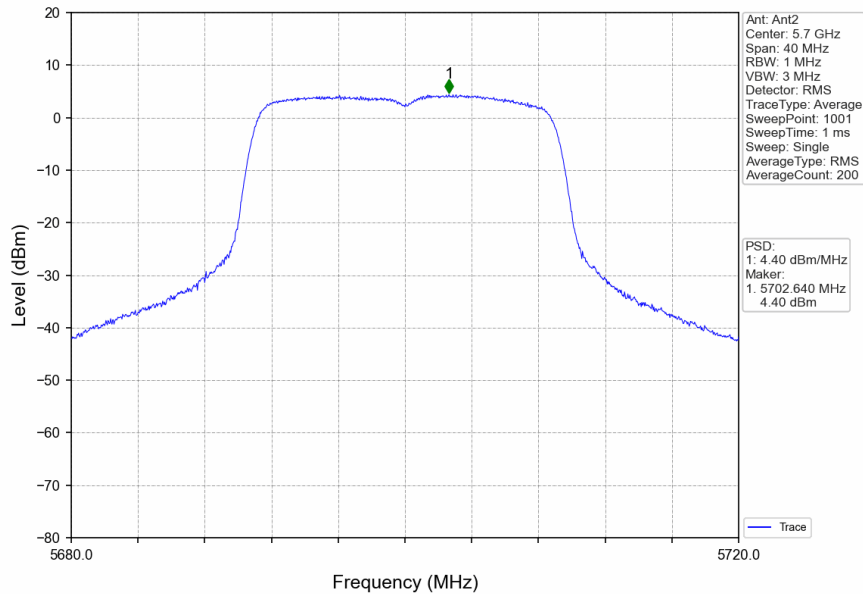
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



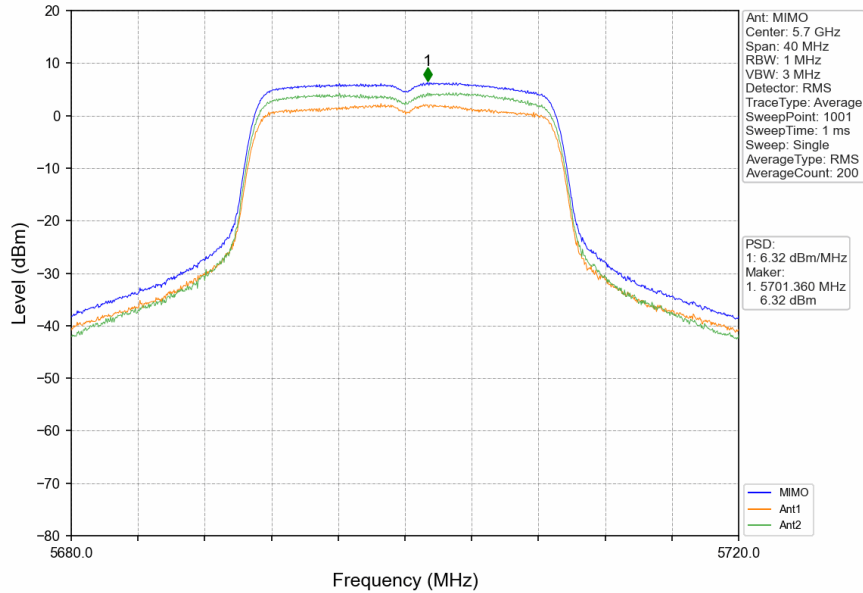
802.11n(HT20)\_HCH\_5700MHz\_Ant2\_NTNV



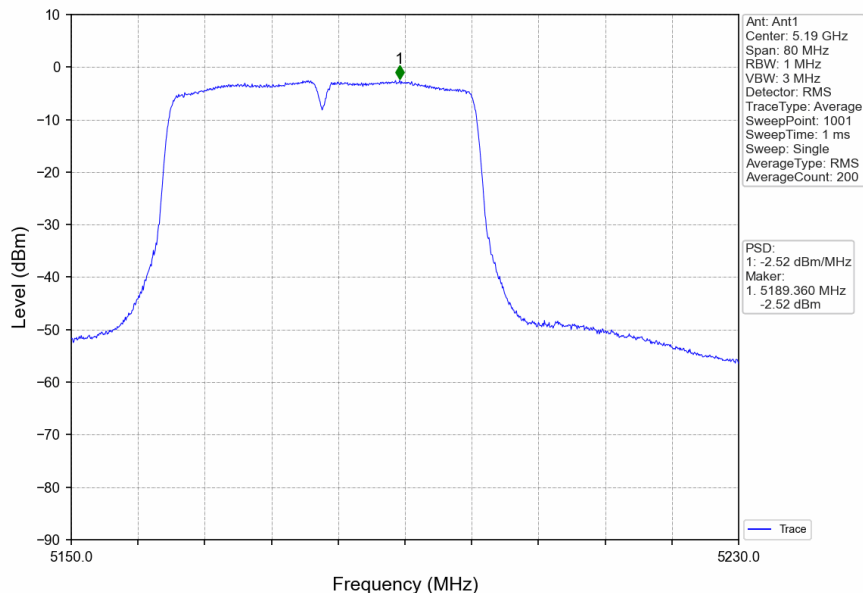
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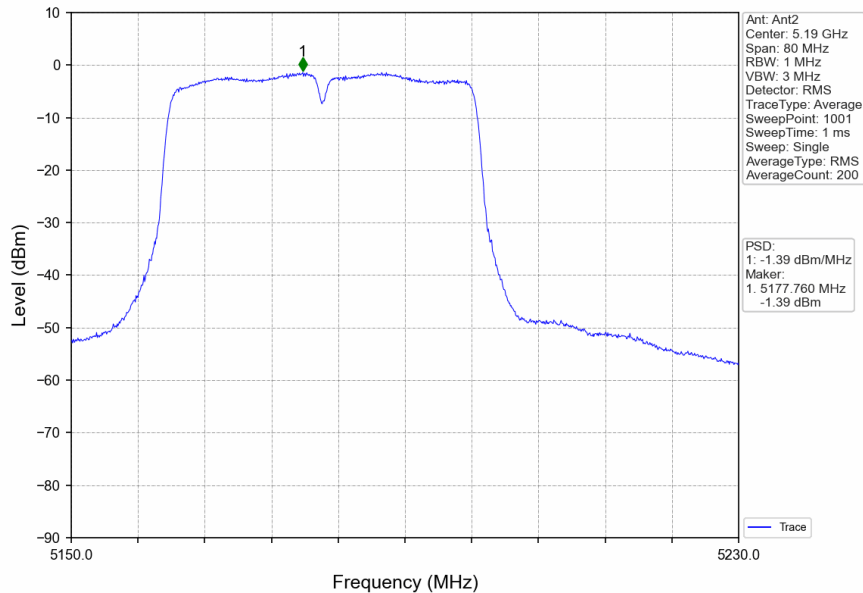
### 802.11n(HT20)\_HCH\_5700MHz\_MIMO\_NTNV



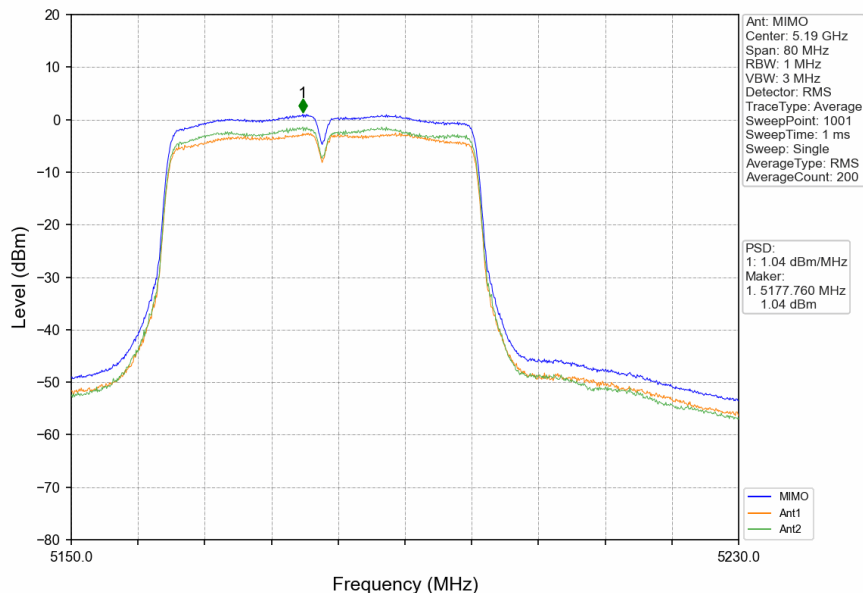
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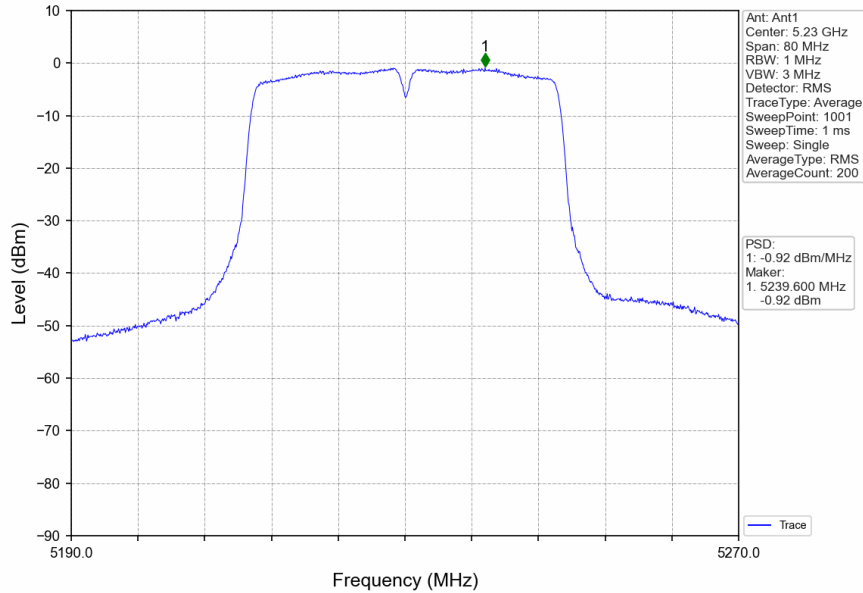
802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



802.11n(HT40)\_LCH\_5190MHz\_MIMO\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV

