

# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230600178703

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## 2.3 26dB BW

### 2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)	Verdict
						Result	
802.11a	MIMO	5180	/	/	1	21.399	Pass
		5200	/	/	1	22.087	Pass
		5240	/	/	1	19.835	Pass
		5260	/	/	1	19.625	Pass
		5300	/	/	1	21.796	Pass
		5320	/	/	1	22.706	Pass
		5500	/	/	1	21.543	Pass
		5580	/	/	1	19.937	Pass
		5700	/	/	1	20.343	Pass
802.11n (HT20)	MIMO	5180	/	/	1	22.015	Pass
		5200	/	/	1	22.325	Pass
		5240	/	/	1	20.119	Pass
		5260	/	/	1	20.895	Pass
		5300	/	/	1	22.457	Pass
		5320	/	/	1	21.462	Pass
		5500	/	/	1	22.218	Pass
		5580	/	/	1	20.665	Pass
		5700	/	/	1	22.237	Pass
802.11n (HT40)	MIMO	5190	/	/	1	41.117	Pass
		5230	/	/	1	40.000	Pass
		5270	/	/	1	39.923	Pass
		5310	/	/	1	40.623	Pass
		5510	/	/	1	41.528	Pass
		5550	/	/	1	39.788	Pass
		5670	/	/	1	40.567	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	22.429	Pass
		5200	/	/	1	24.323	Pass
		5240	/	/	1	20.046	Pass
		5260	/	/	1	20.666	Pass
		5300	/	/	1	21.634	Pass
		5320	/	/	1	22.648	Pass
		5500	/	/	1	21.231	Pass
		5580	/	/	1	20.959	Pass

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		5700	/	/	1	21.022	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	41.343	Pass
		5230	/	/	1	39.912	Pass
		5270	/	/	1	40.218	Pass
		5310	/	/	1	40.673	Pass
		5510	/	/	1	41.611	Pass
		5550	/	/	1	39.920	Pass
		5670	/	/	1	41.809	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	79.722	Pass
		5290	/	/	1	81.907	Pass
		5530	/	/	1	81.766	Pass
		5610	/	/	1	79.613	Pass
802.11ac (VHT160)	MIMO	5570	/	/	1	161.318	Pass
		5250	/	/	1	173.259	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	21.596	Pass
		5200	RU242	Left	1	22.178	Pass
		5240	RU242	Left	1	19.898	Pass
		5260	RU242	Left	1	21.295	Pass
		5300	RU242	Left	1	21.782	Pass
		5320	RU242	Left	1	21.885	Pass
		5500	RU242	Left	1	22.900	Pass
		5580	RU242	Left	1	21.091	Pass
802.11ax (HEW40)	MIMO	5700	RU242	Left	1	22.600	Pass
		5190	RU484	Left	1	39.457	Pass
		5230	RU484	Left	1	39.429	Pass
		5270	RU484	Left	1	39.537	Pass
		5310	RU484	Left	1	39.572	Pass
		5510	RU484	Left	1	39.479	Pass
		5550	RU484	Left	1	39.410	Pass
		5670	RU484	Left	1	39.611	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	80.059	Pass
		5290	RU996	Left	1	79.970	Pass
		5530	RU996	Left	1	79.984	Pass
		5610	RU996	Left	1	79.972	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	1	161.724	Pass
		5250	2xRU996	Left	1	161.825	Pass



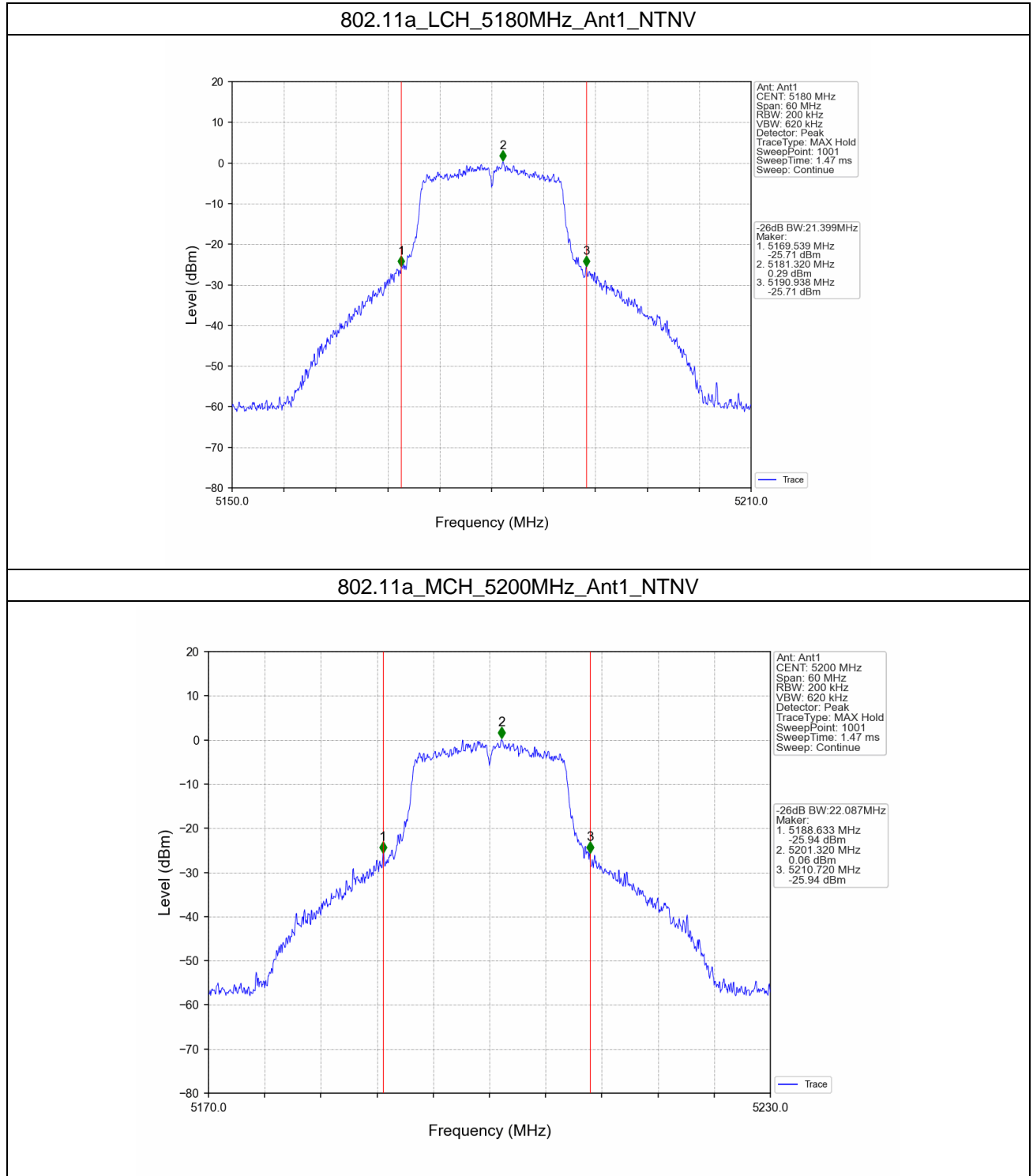
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### 2.3.2 Test Graph



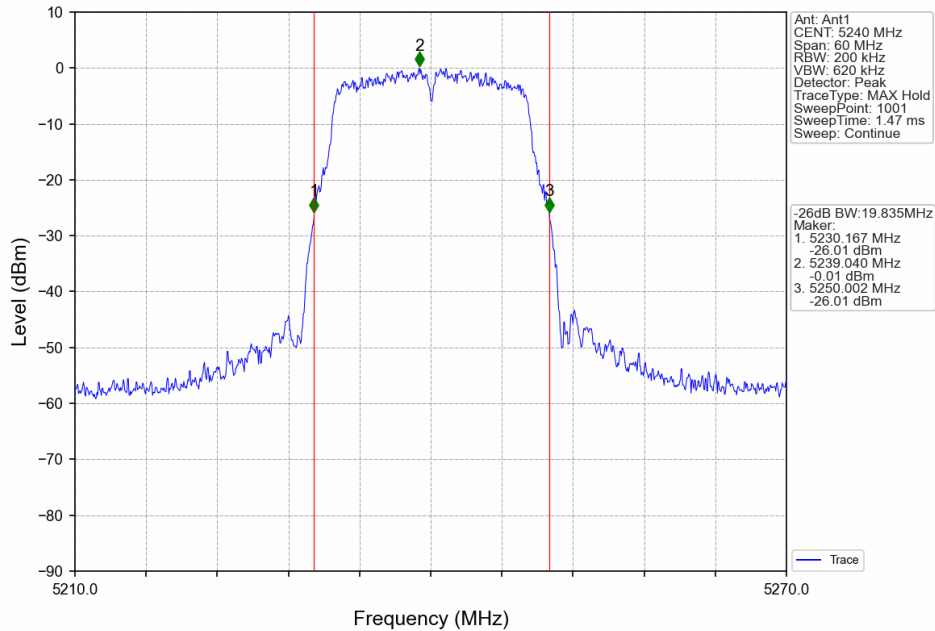
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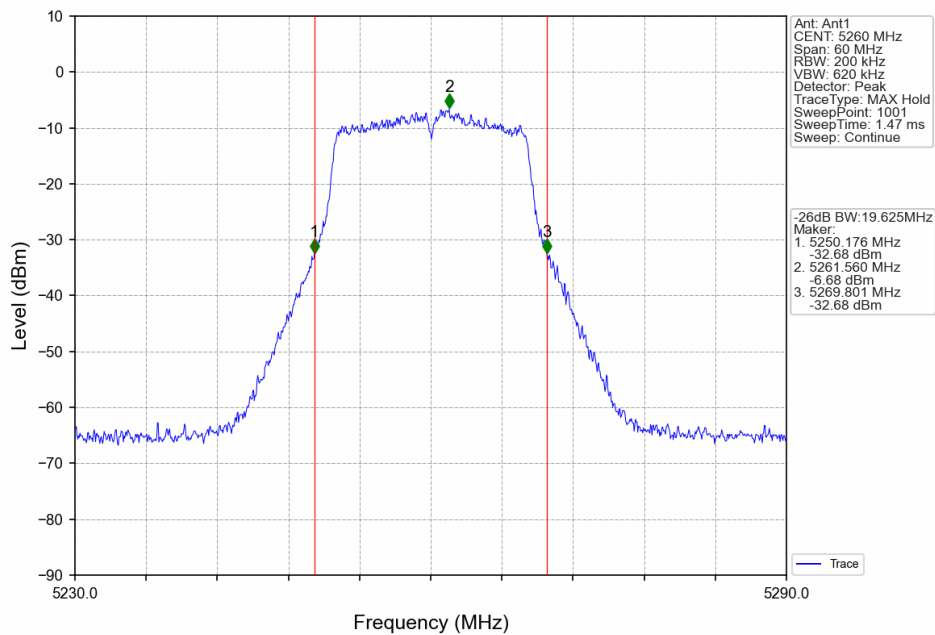
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### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



### 802.11a\_LCH\_5260MHz\_Ant1\_NTNV



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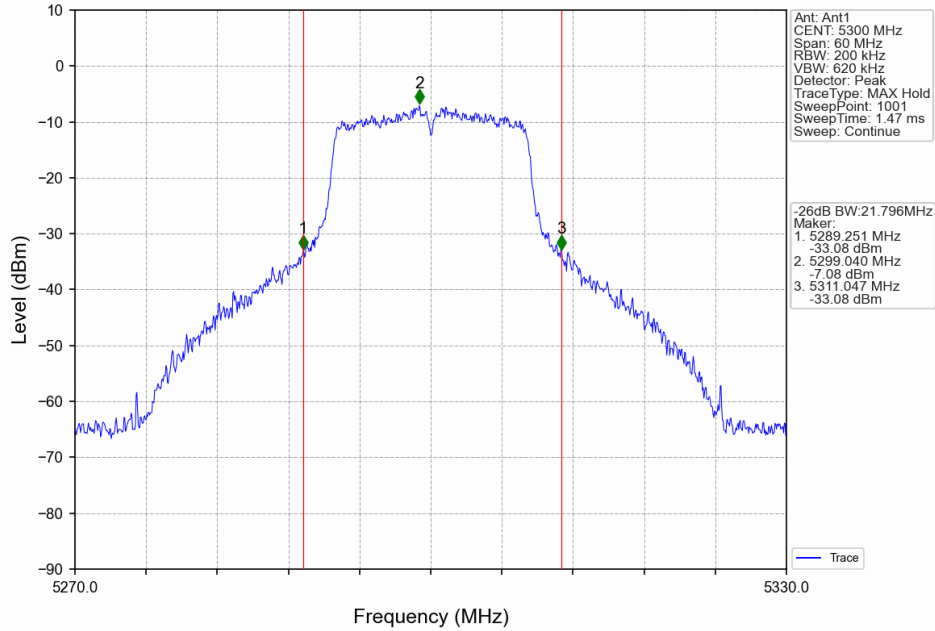
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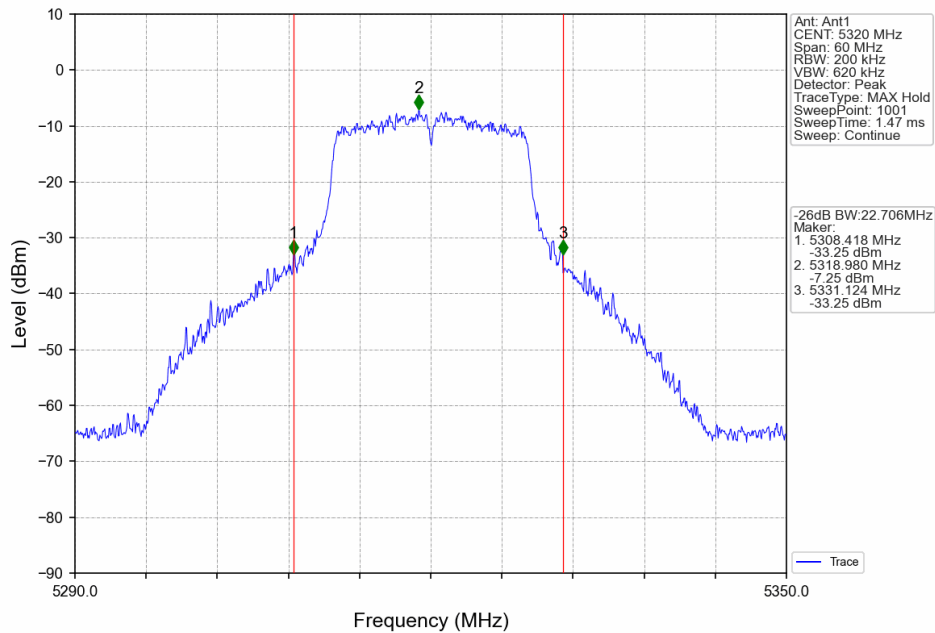
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### 802.11a\_MCH\_5300MHz\_Ant1\_NTNV



### 802.11a\_HCH\_5320MHz\_Ant1\_NTNV



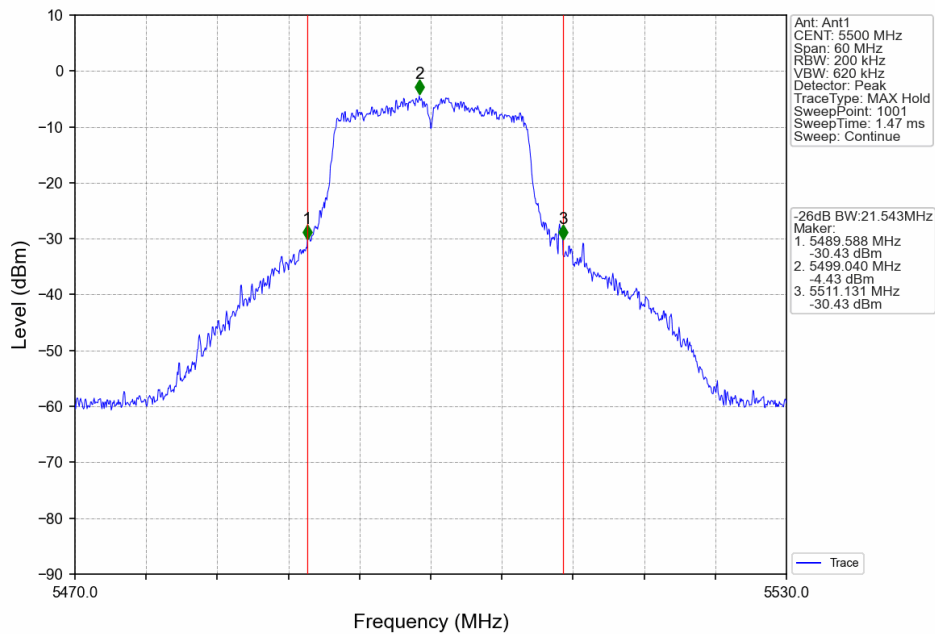
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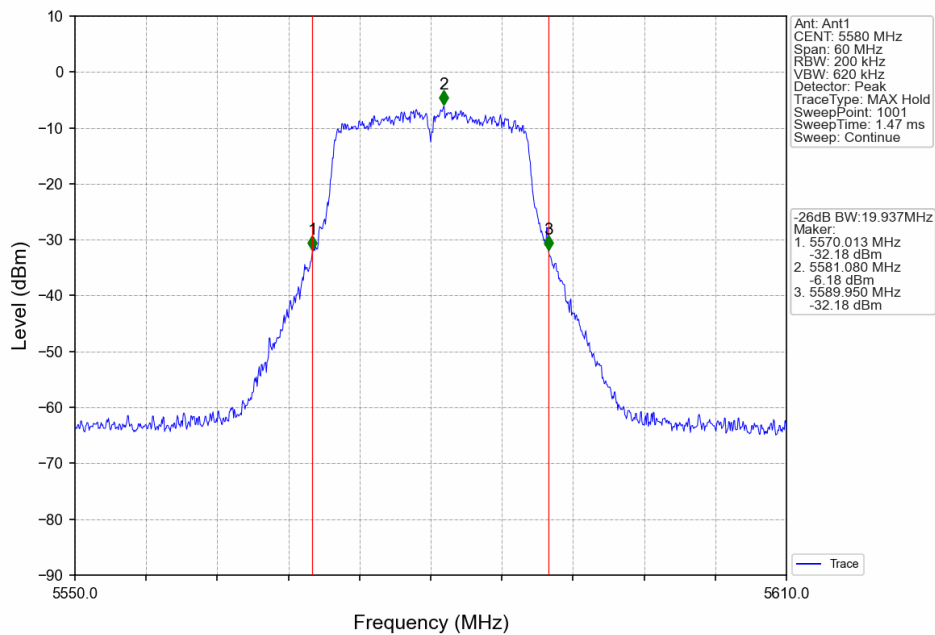
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant1\_NTNV



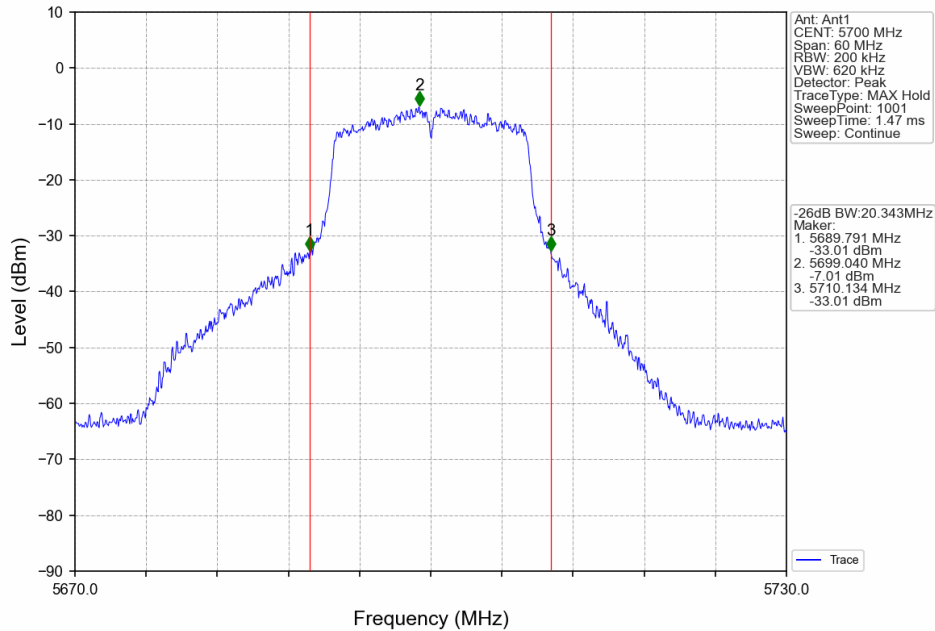
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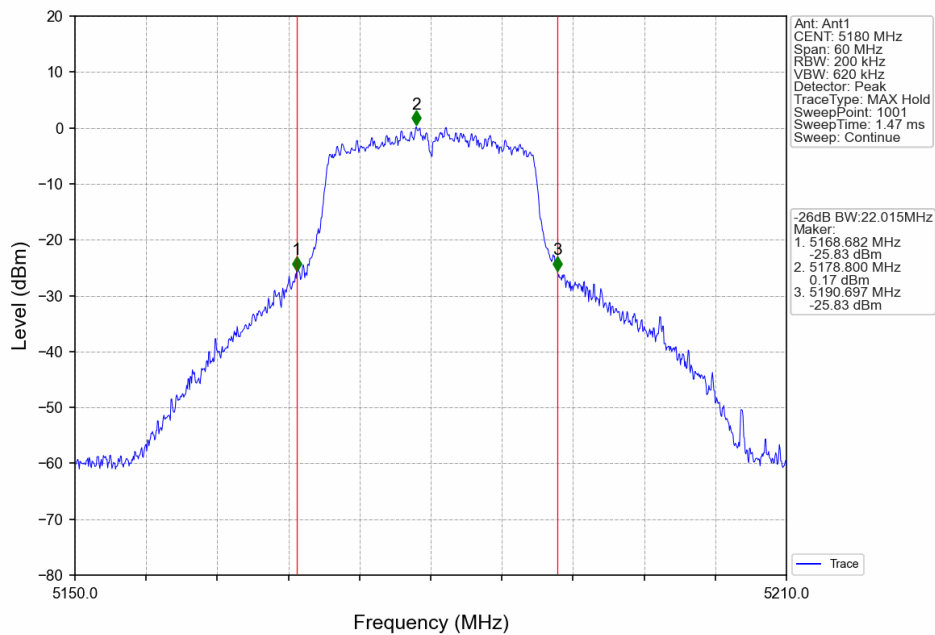
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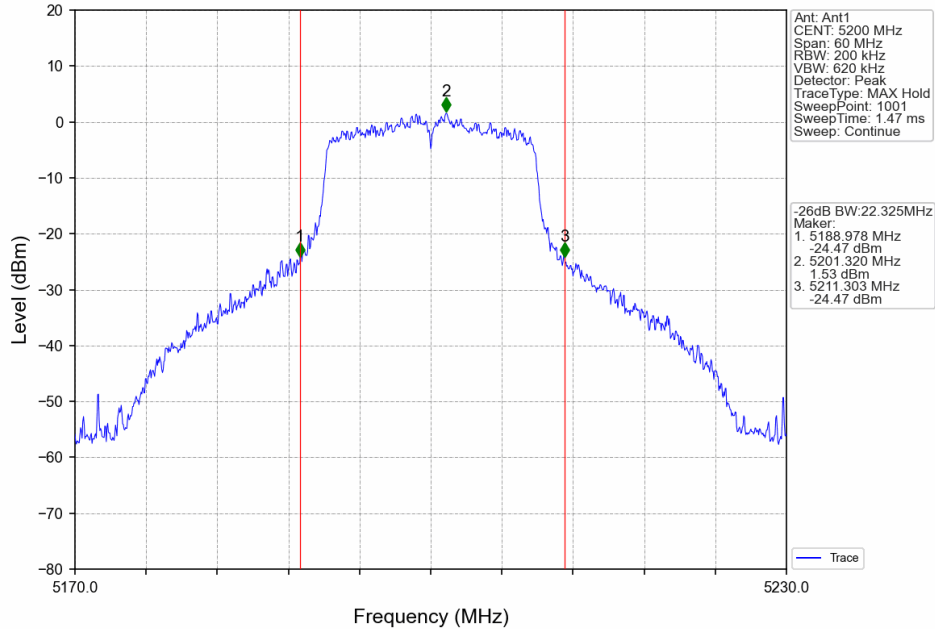
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



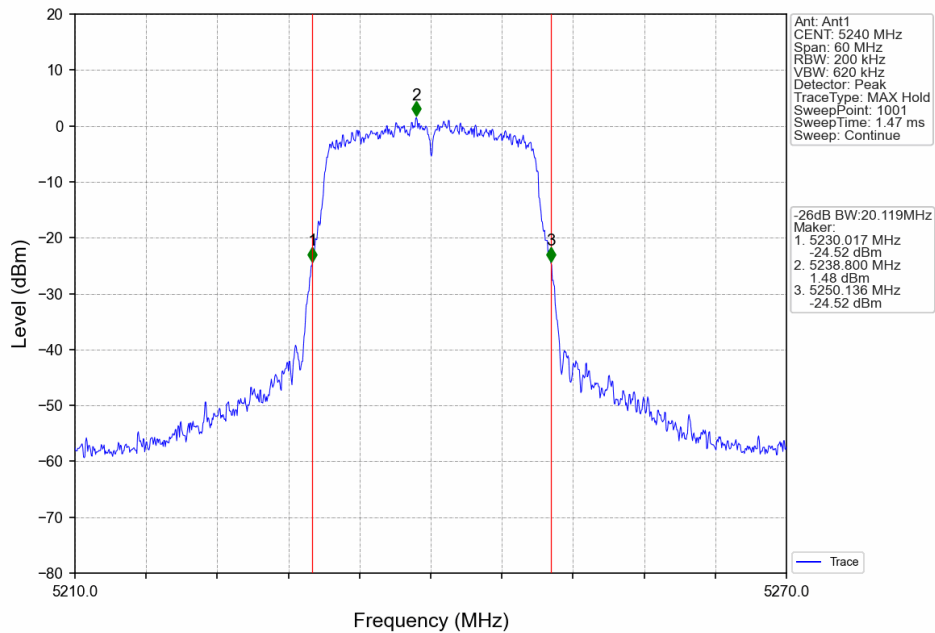
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



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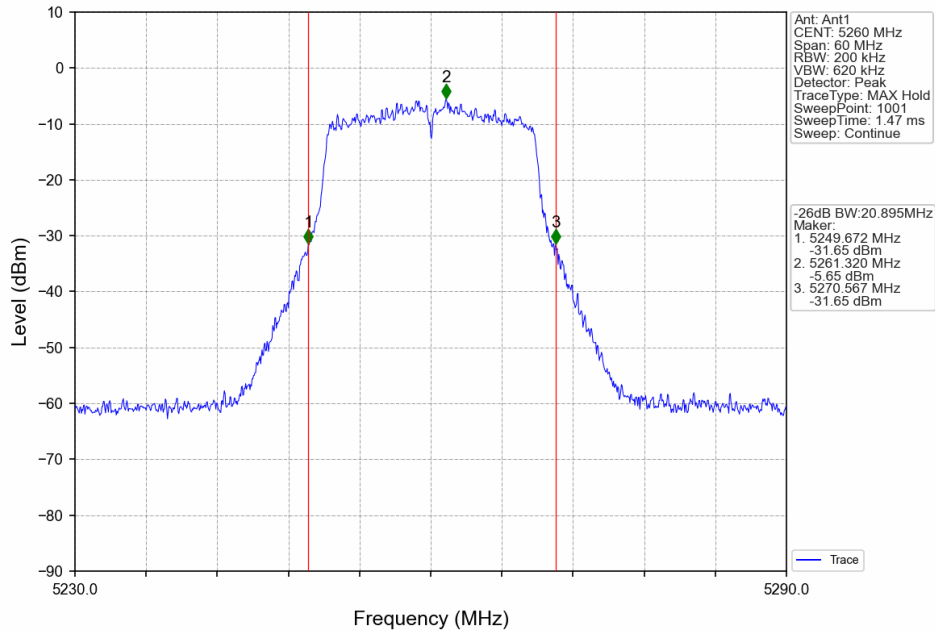
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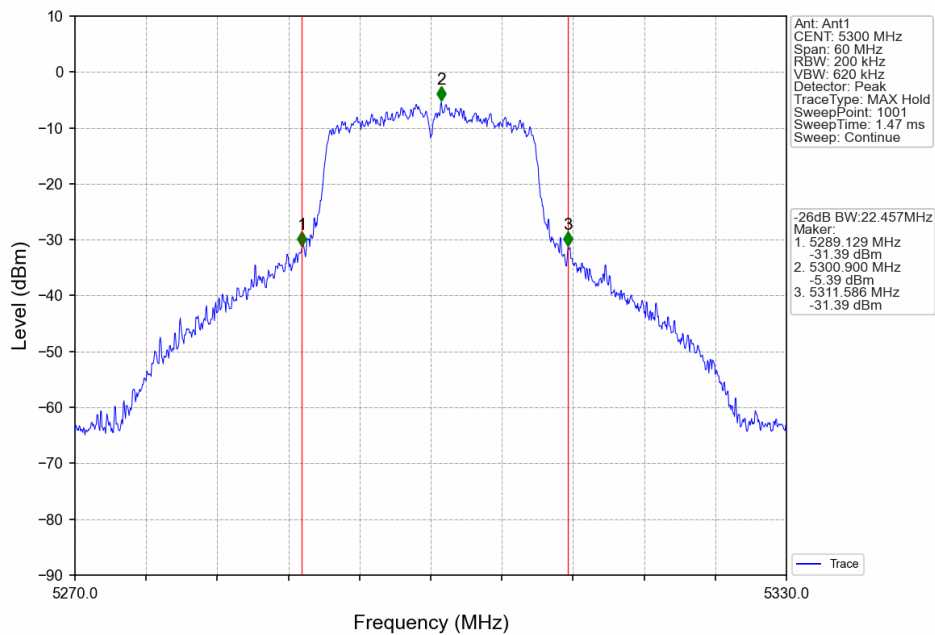
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### 802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



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



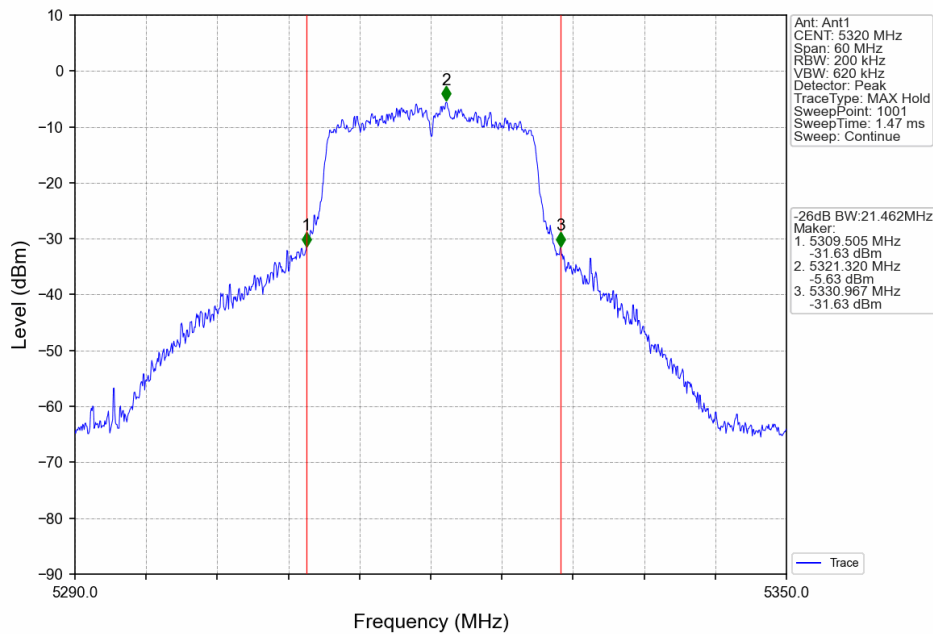
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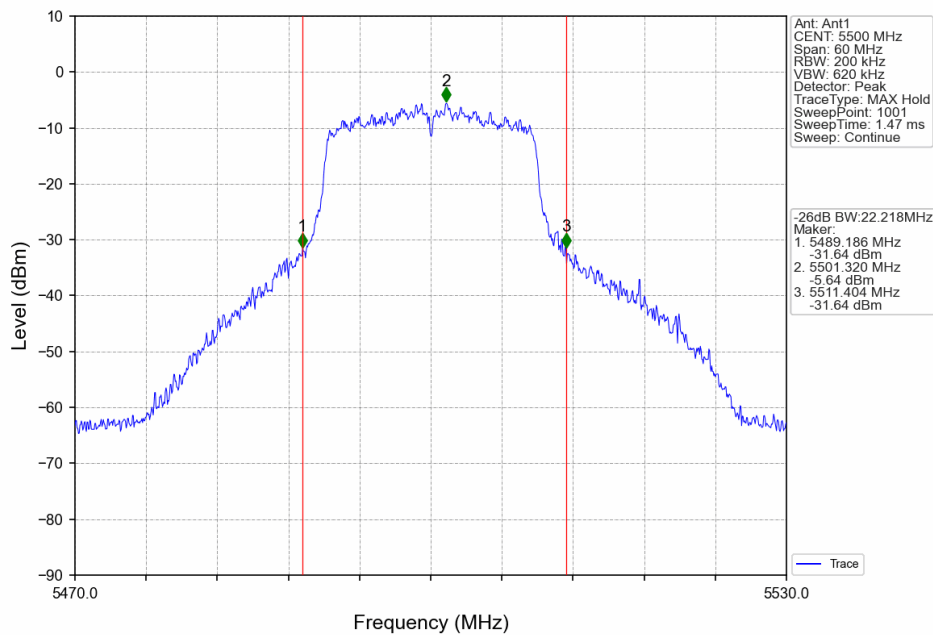
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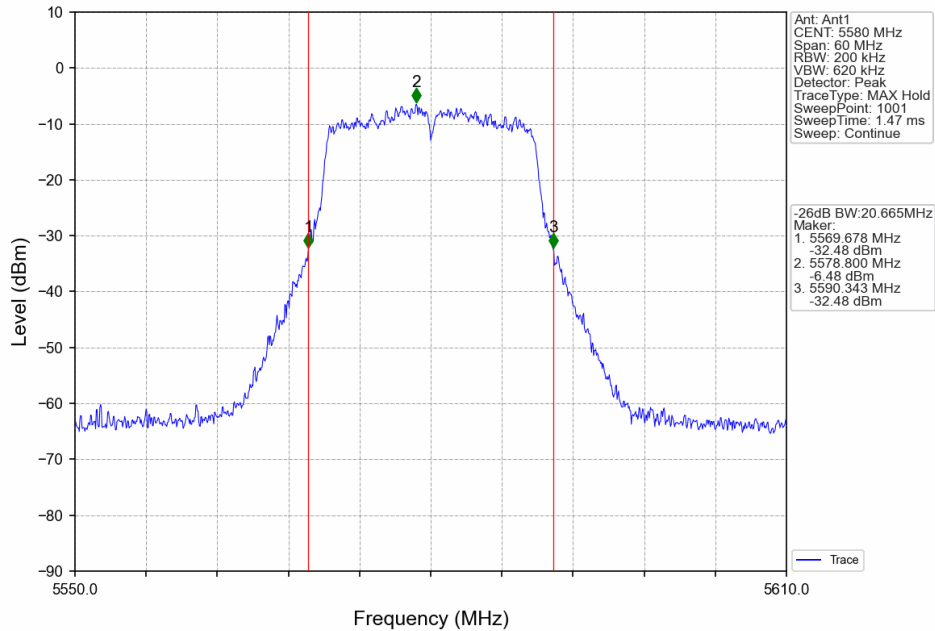
802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



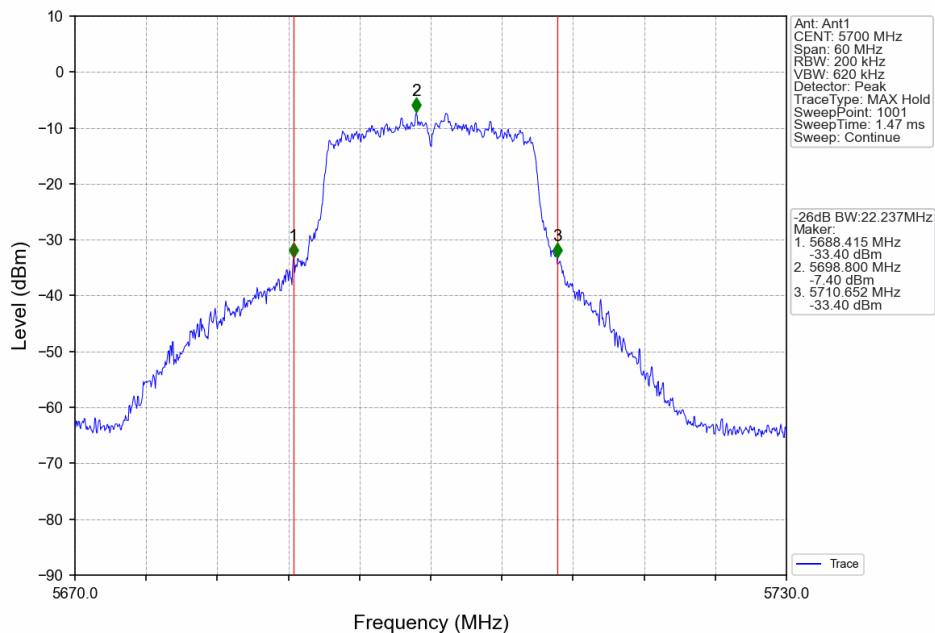
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



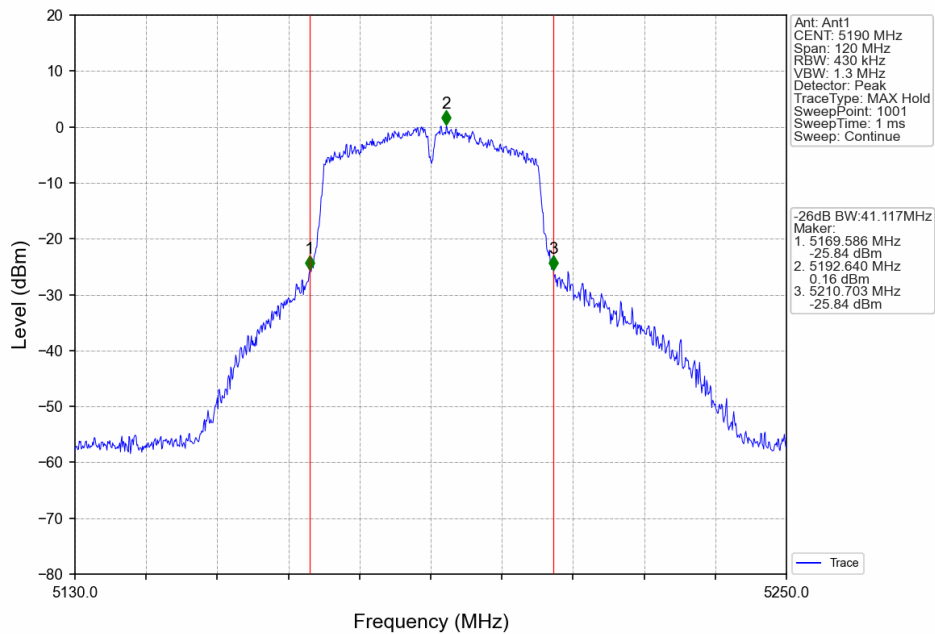
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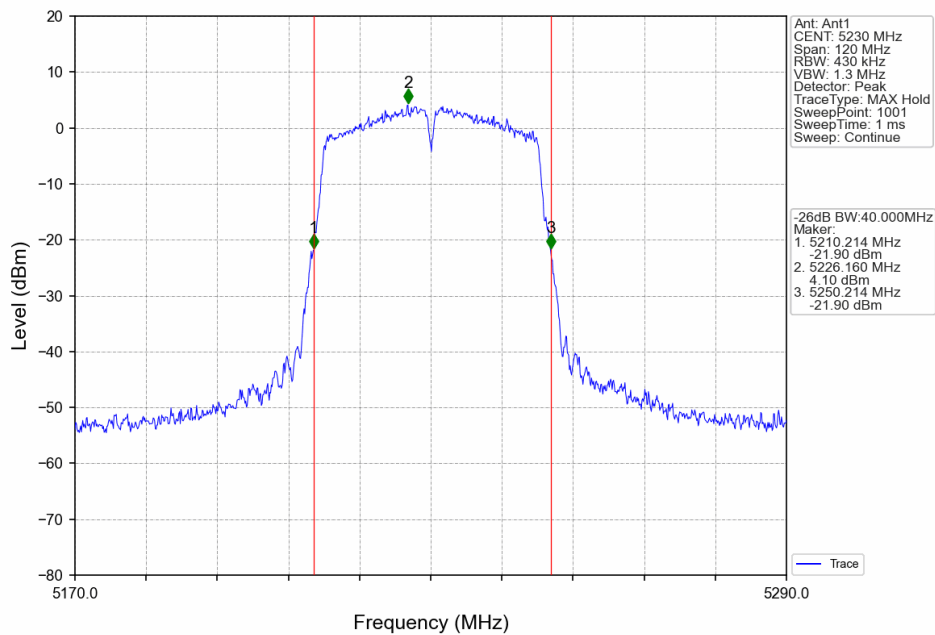
### 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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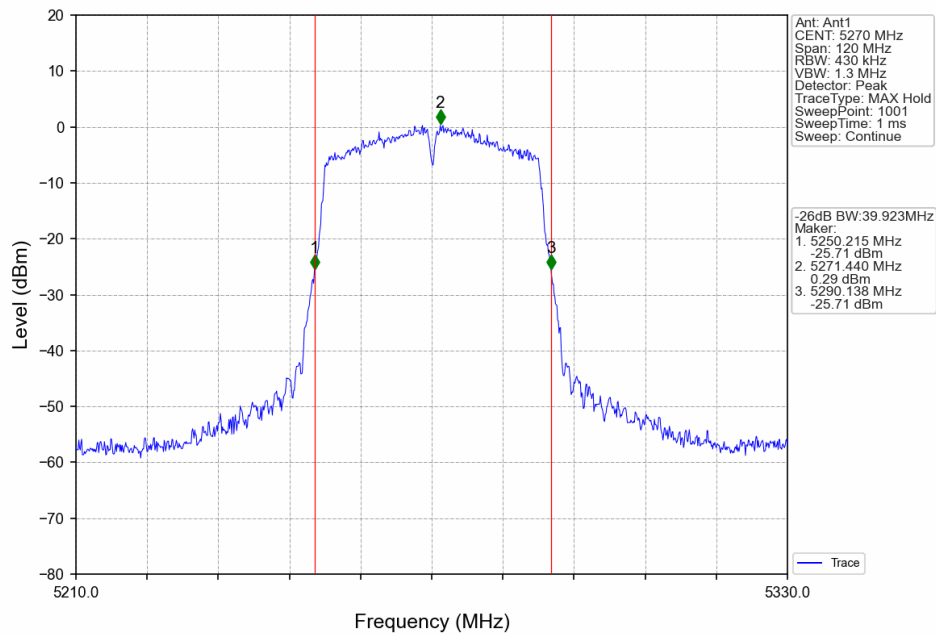
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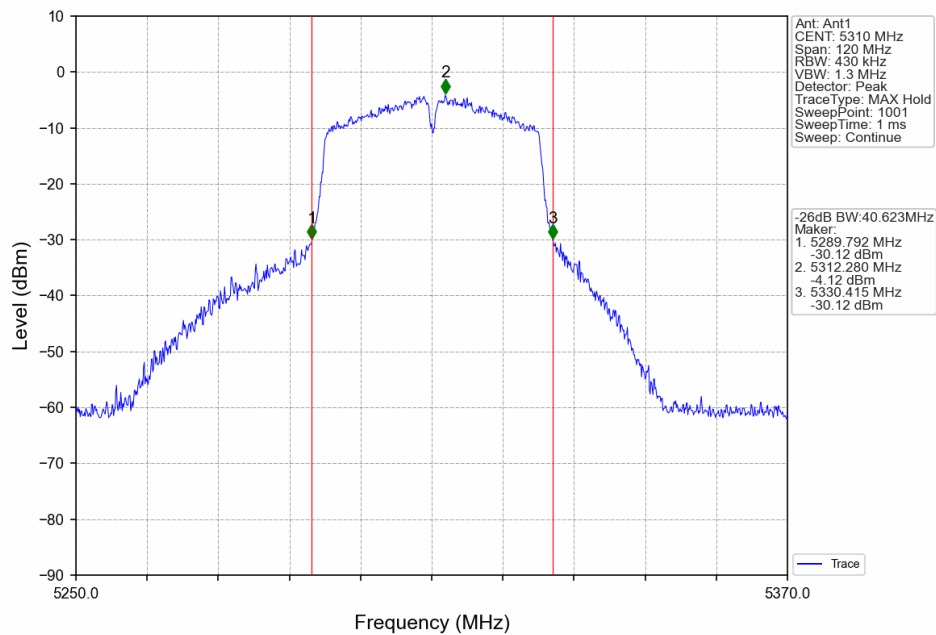
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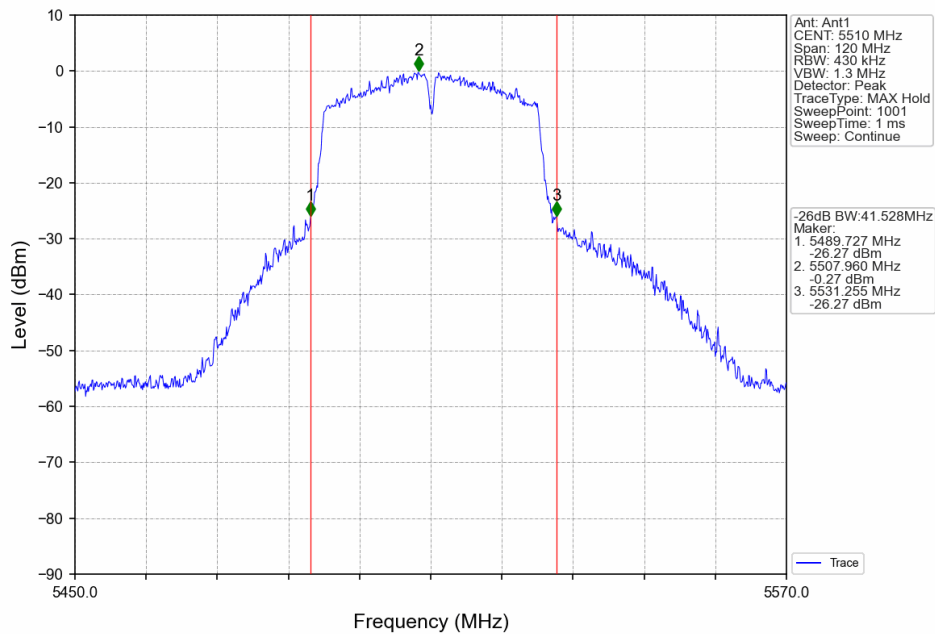
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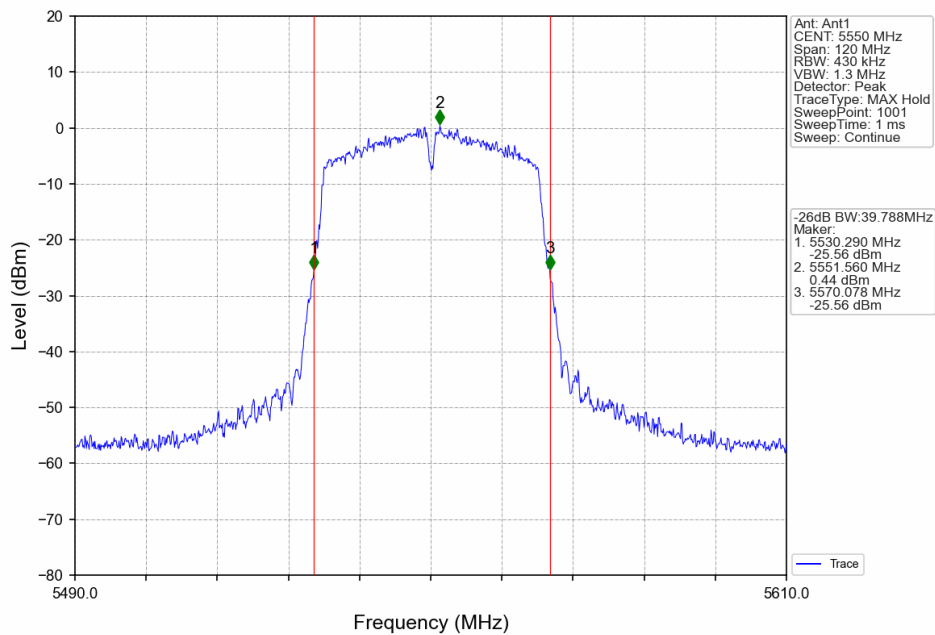
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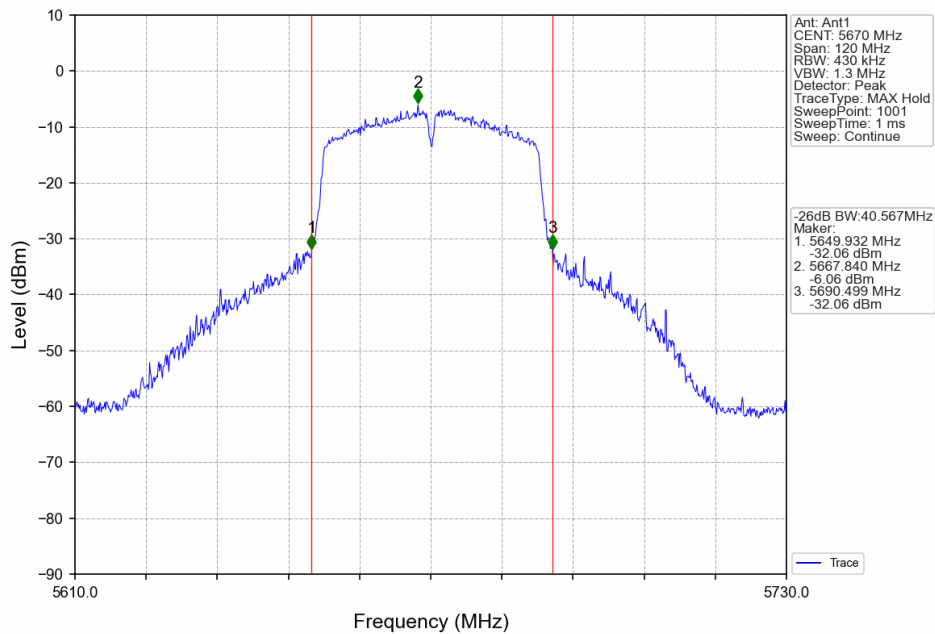
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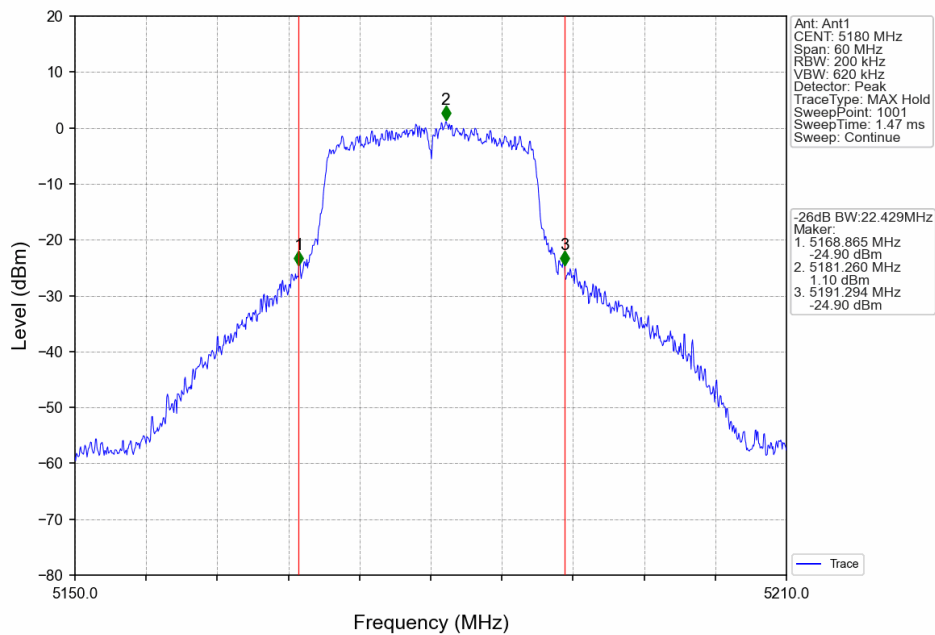
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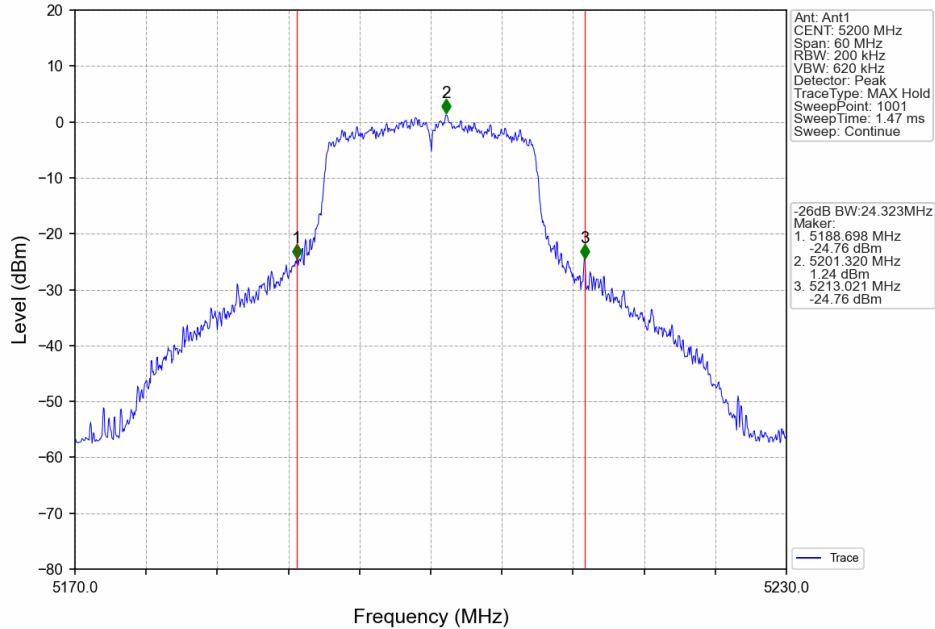
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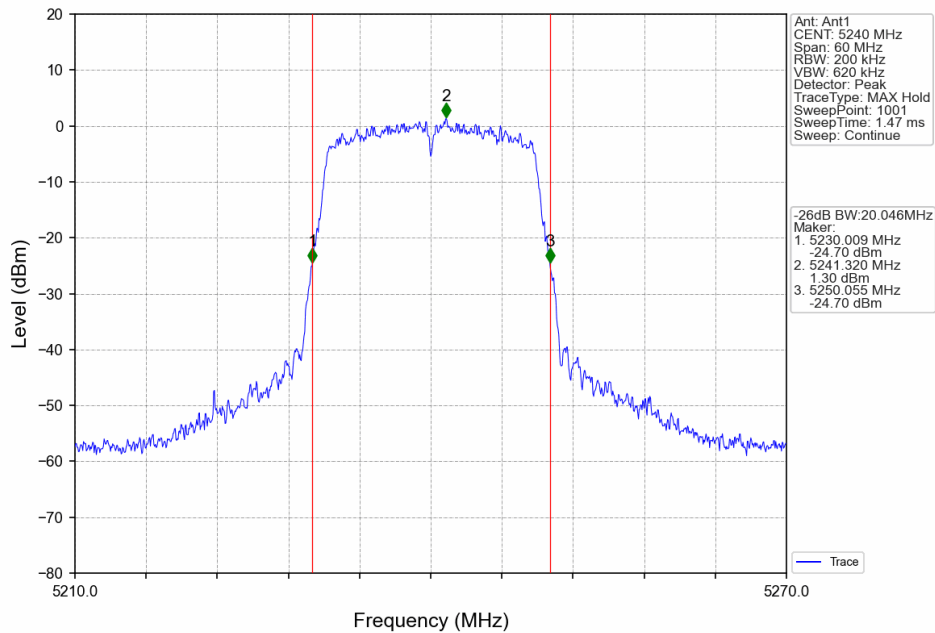
### 802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



### 802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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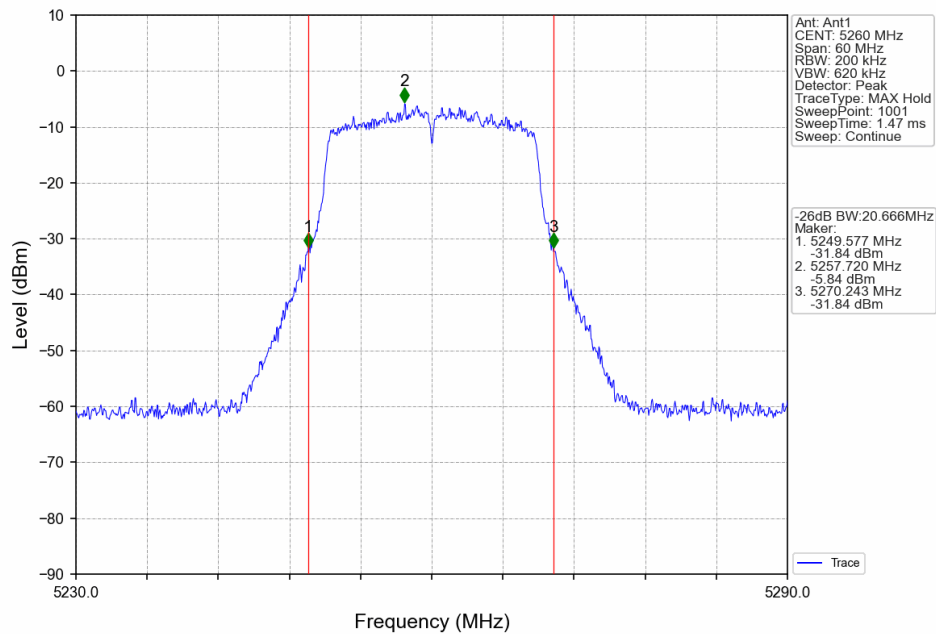
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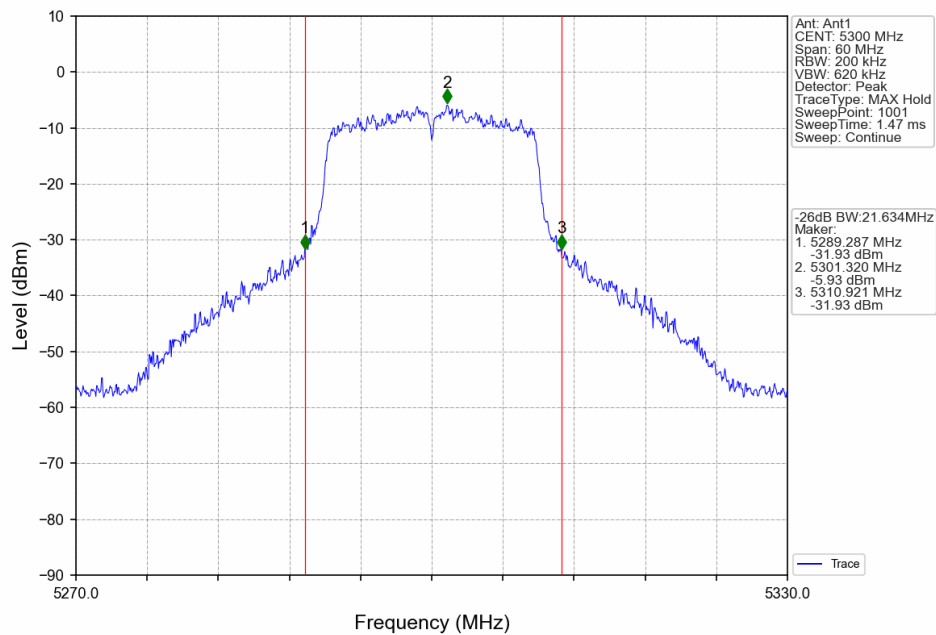
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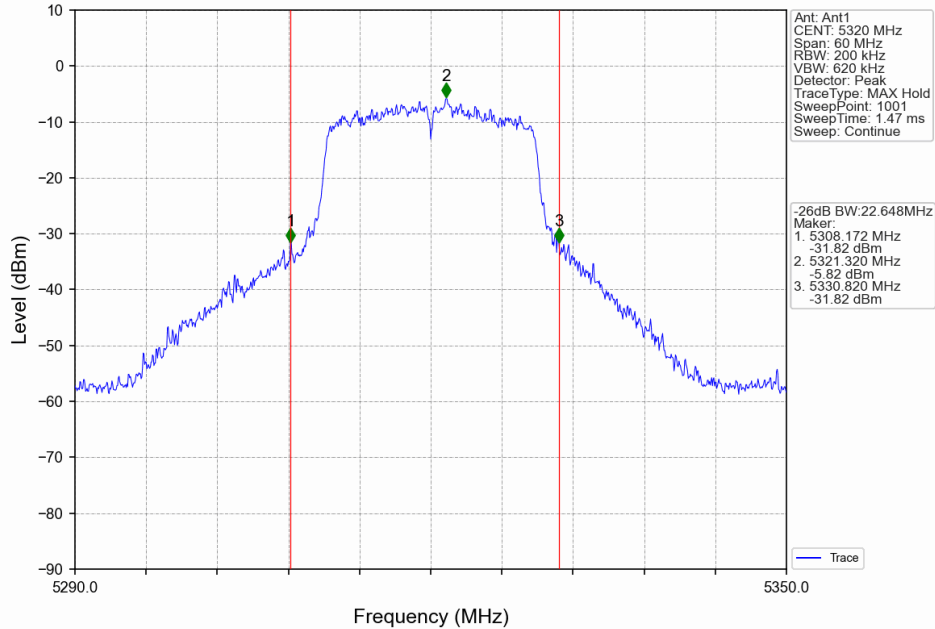
802.11ac(VHT20)\_LCH\_5260MHz\_Ant1\_NTNV



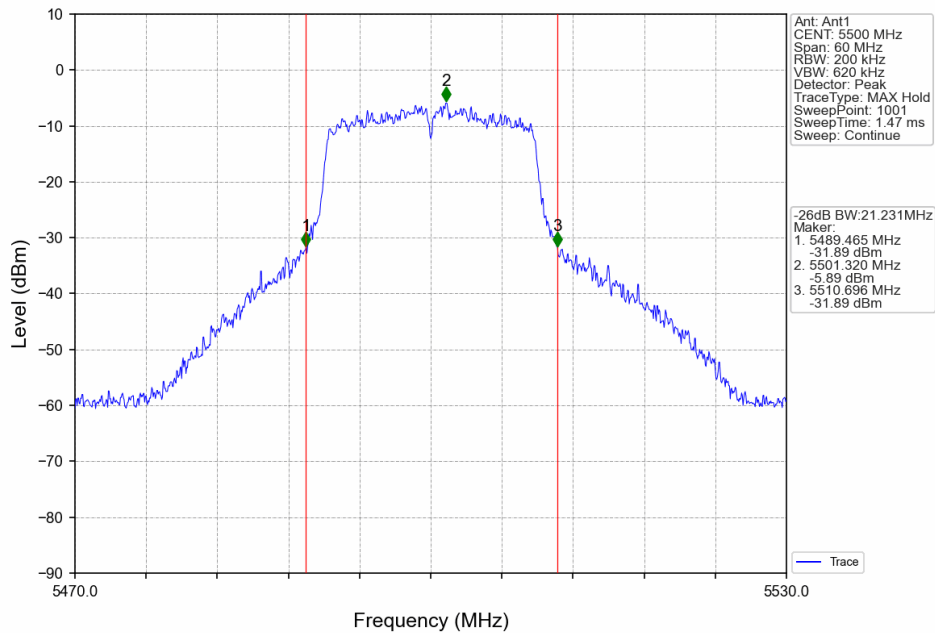
802.11ac(VHT20)\_MCH\_5300MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5320MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5500MHz\_Ant1\_NTNV



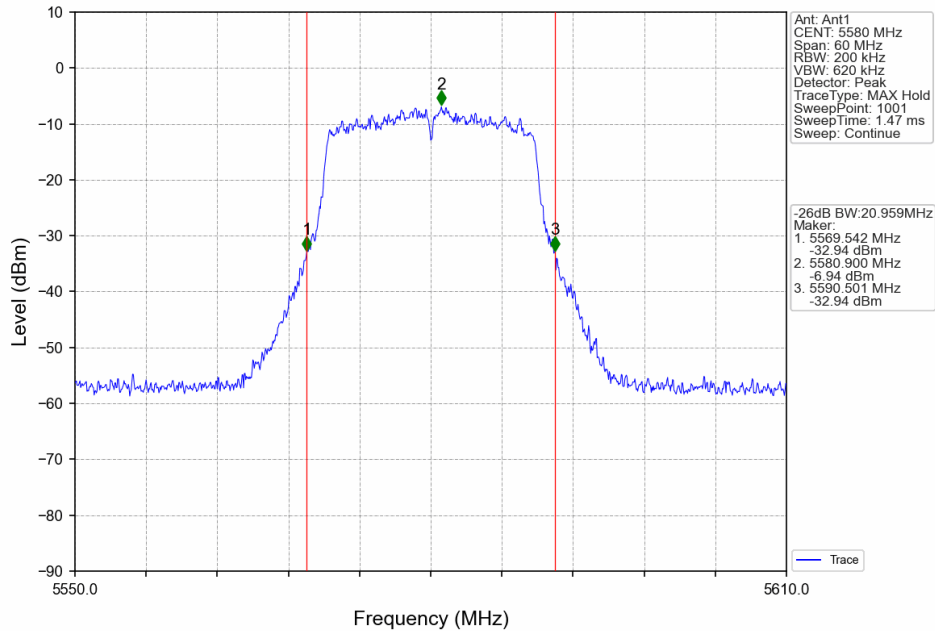
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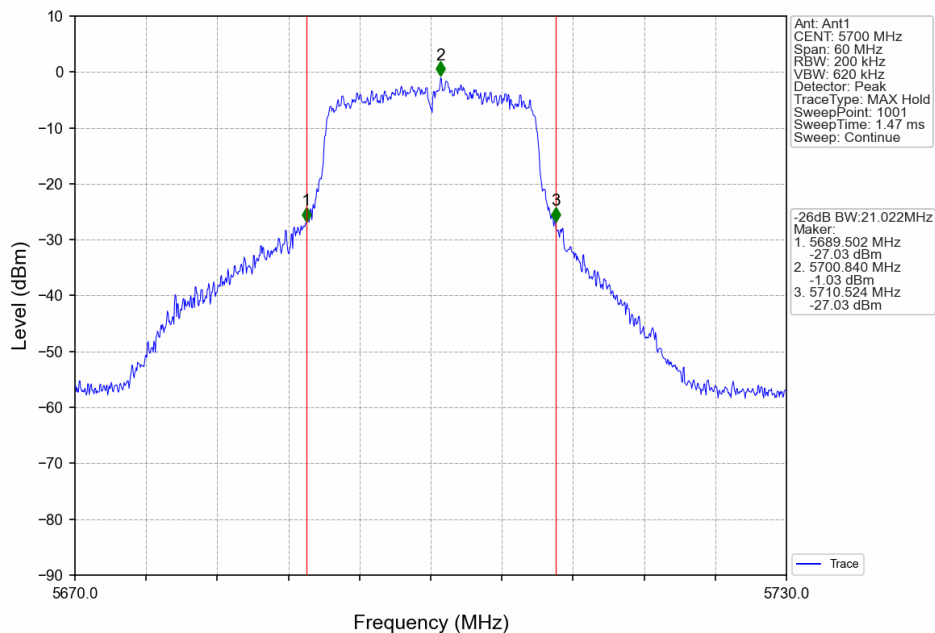
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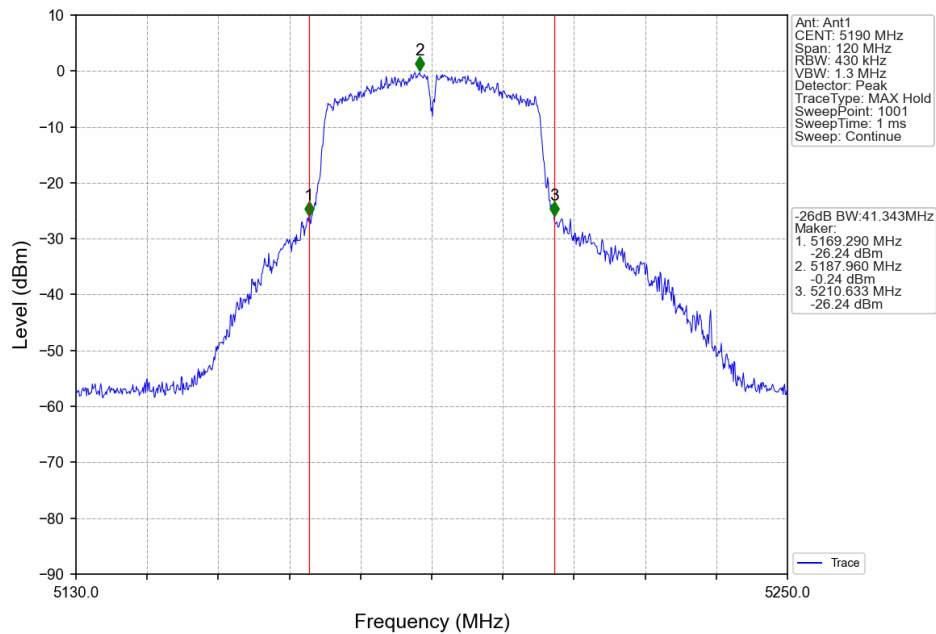
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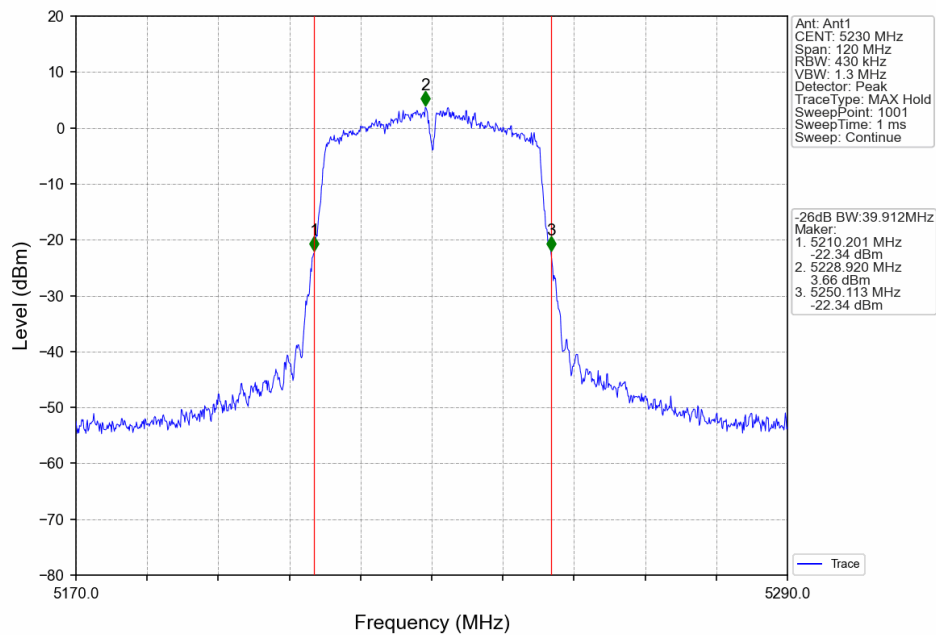
### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



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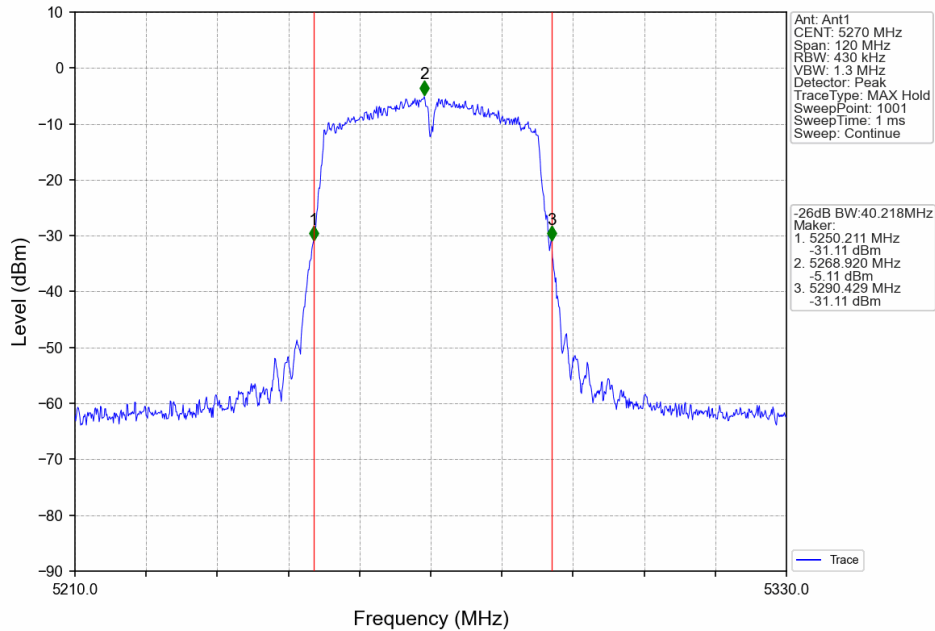
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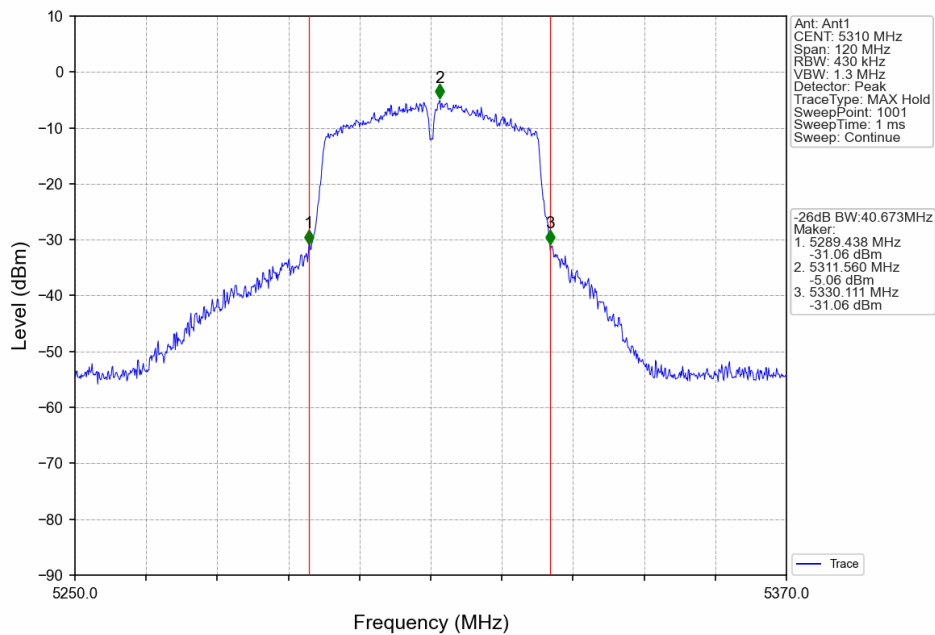
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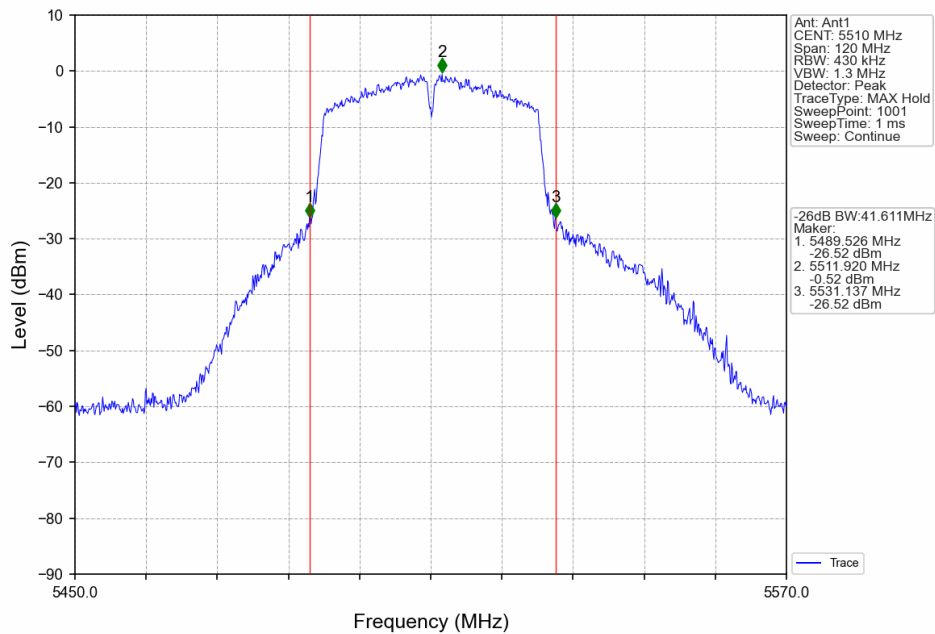
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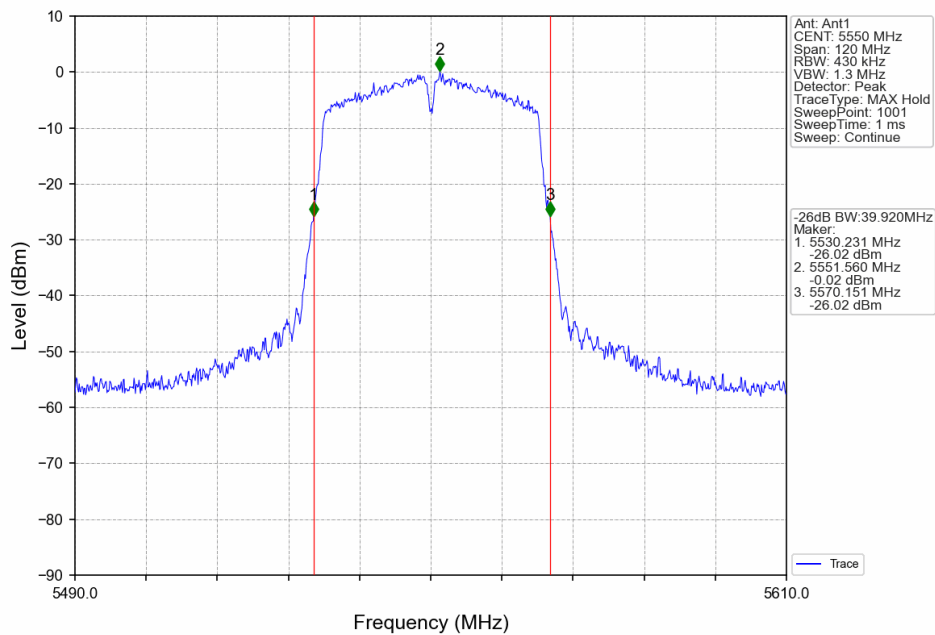
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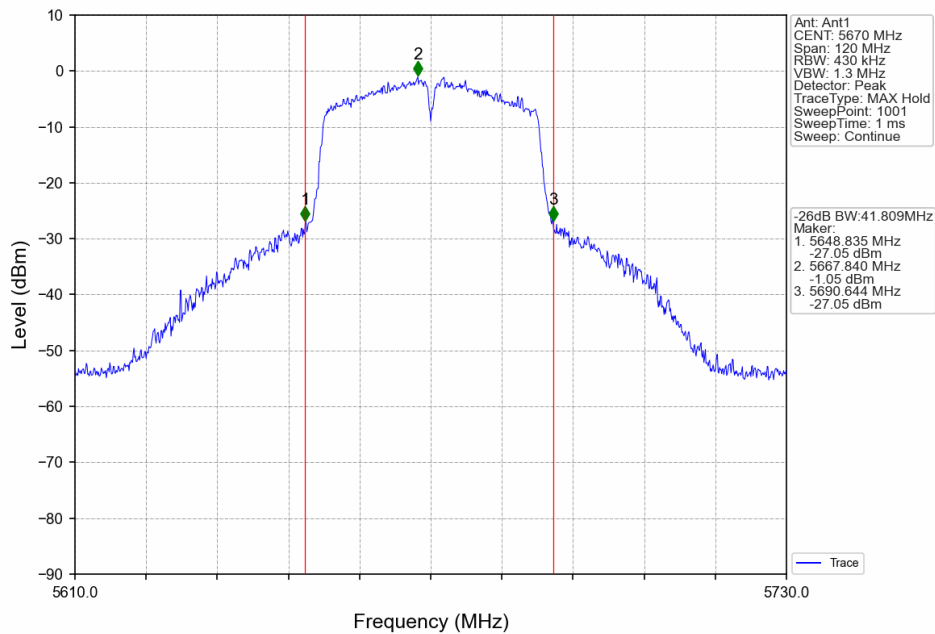
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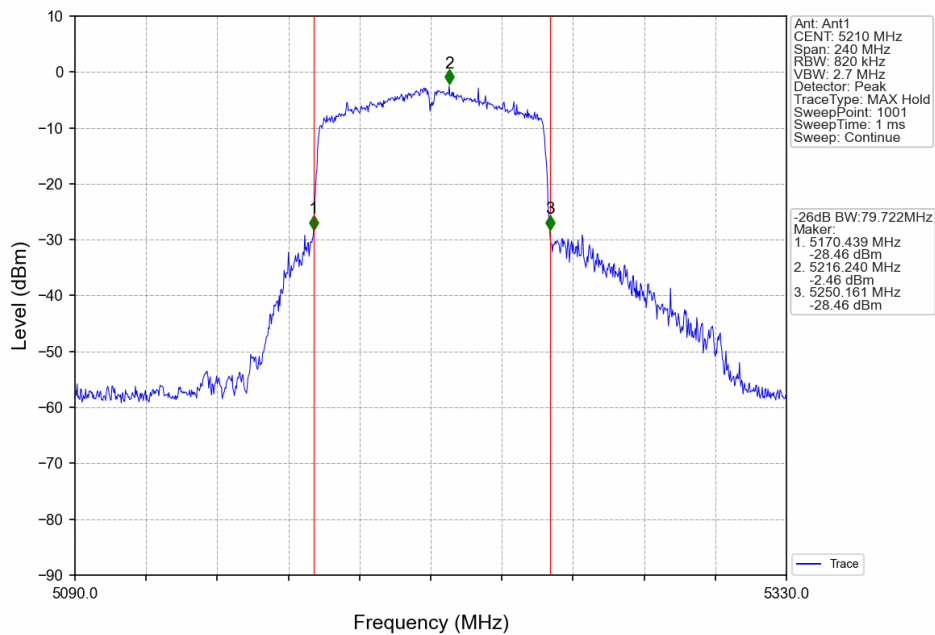
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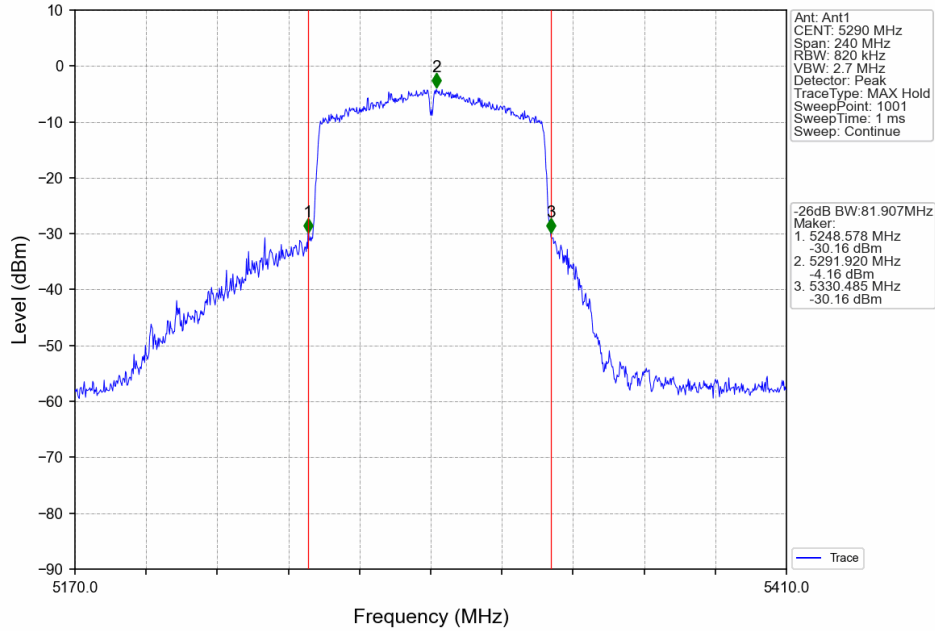
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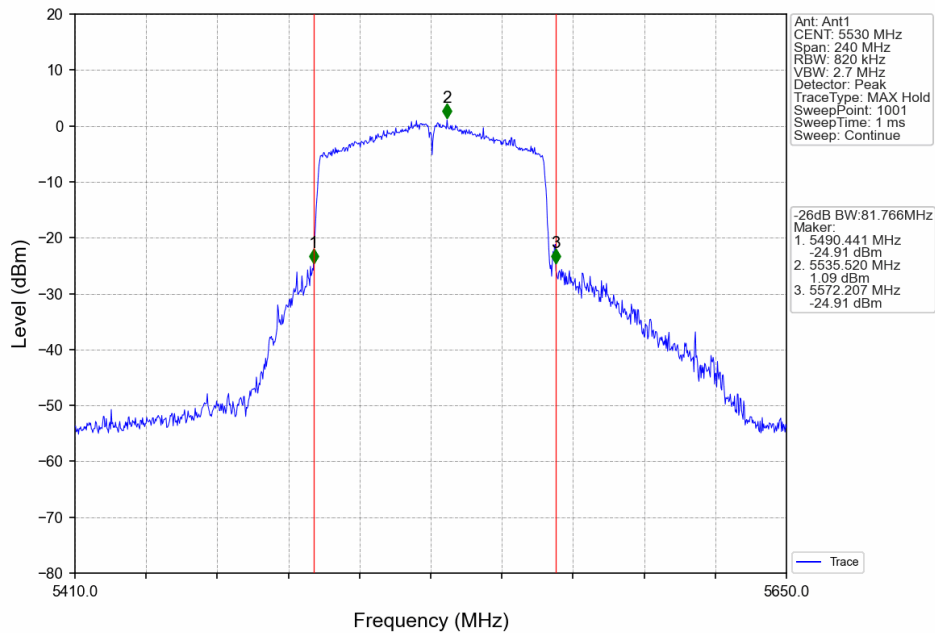
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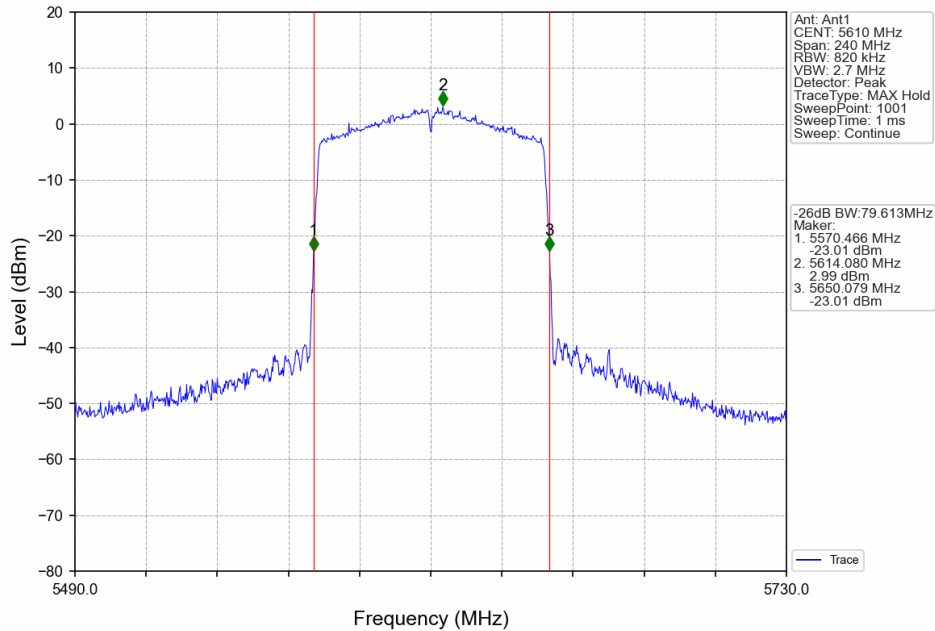


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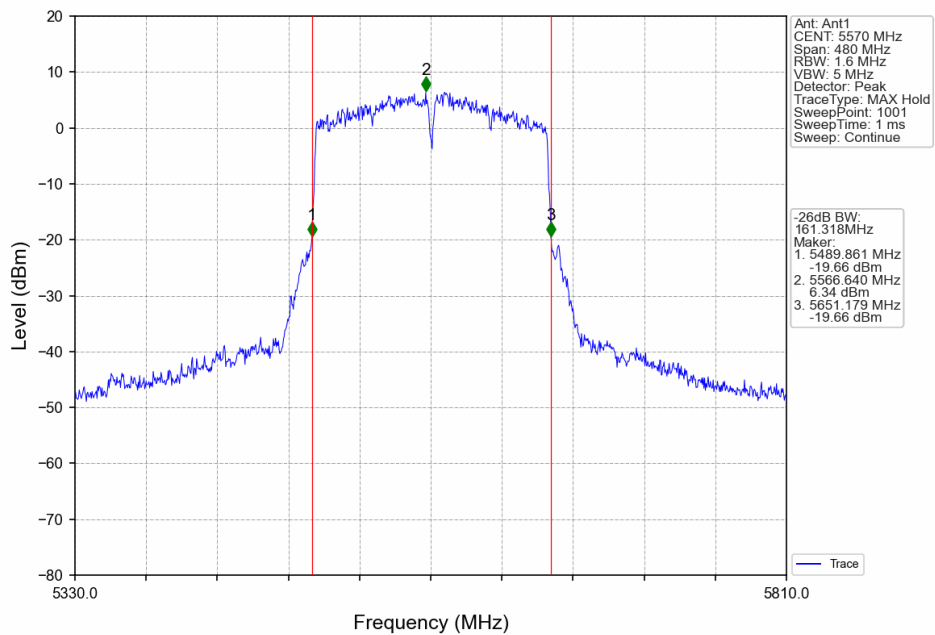




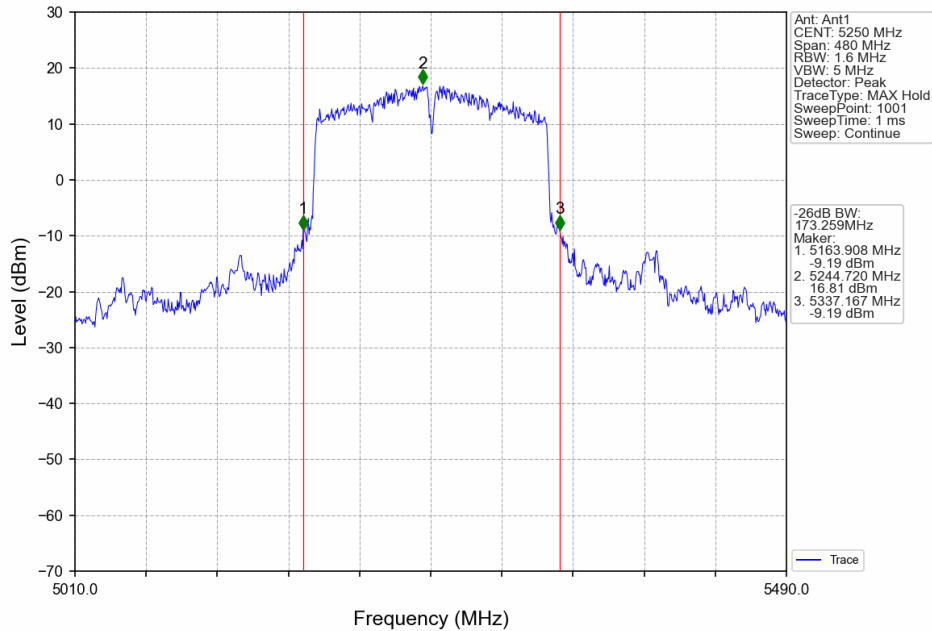
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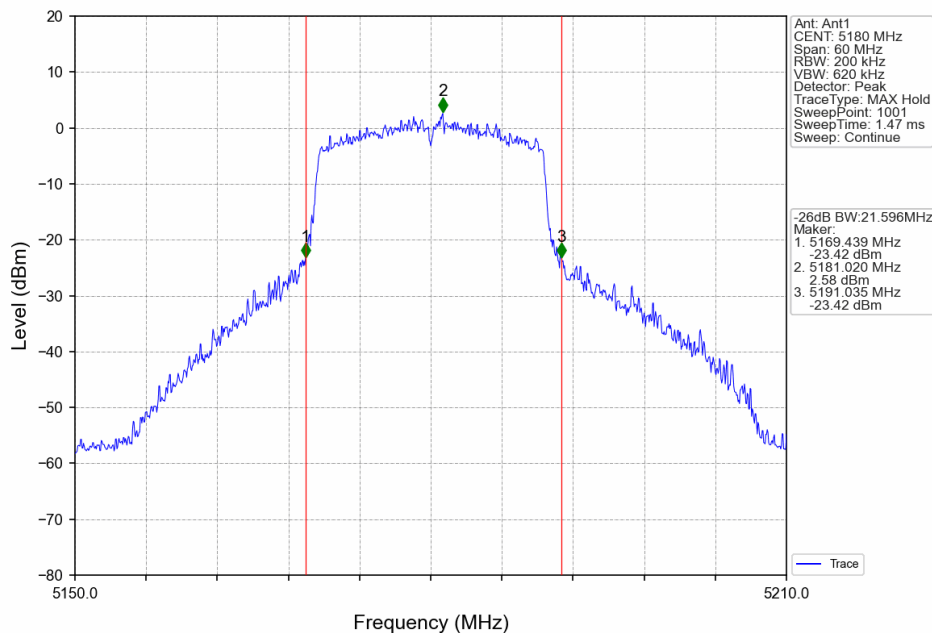
802.11ac(VHT160)\_MCH\_5570MHz\_Ant1\_NTNV



### 802.11ac(VHT160)\_MCH\_5250MHz\_Ant1\_NTNV



### 802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV



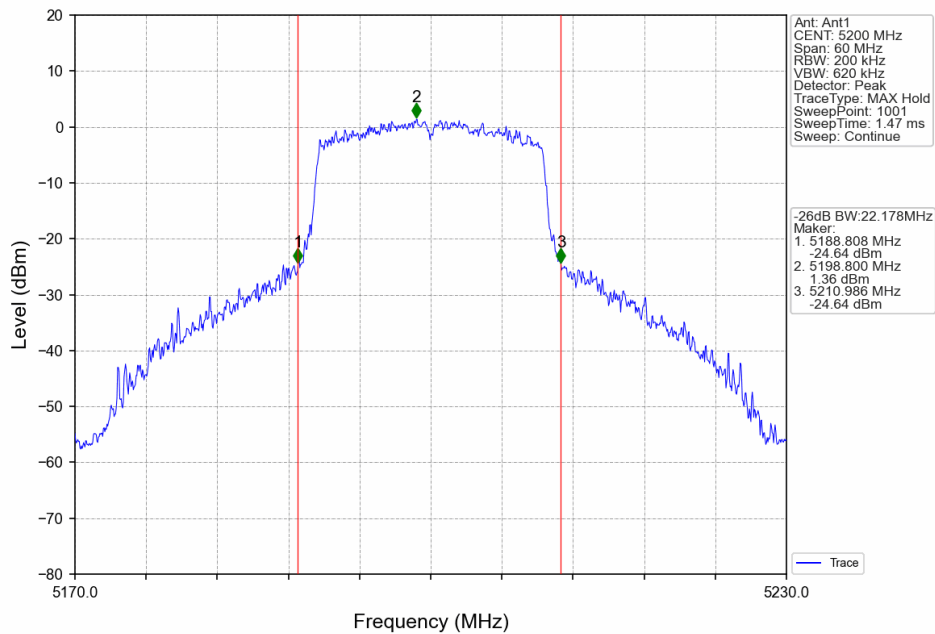
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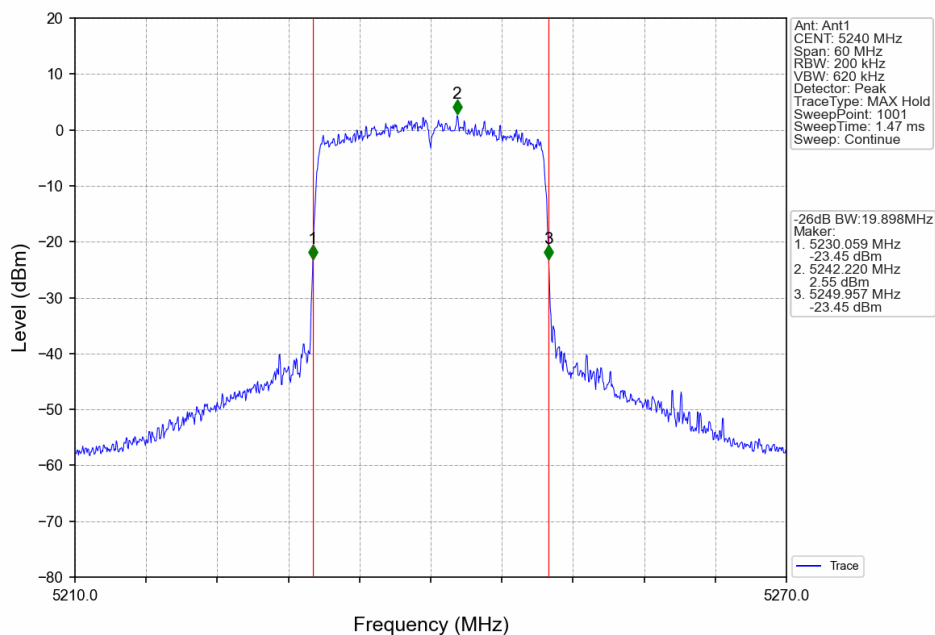
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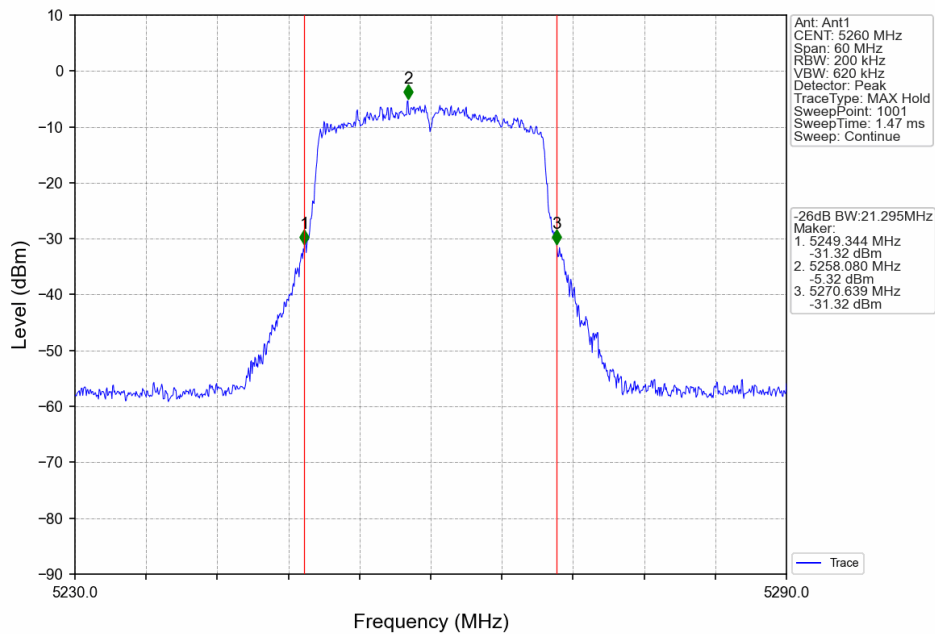
### 802.11ax(HEW20)\_MCH\_5200MHz\_RU242\_Left\_Ant1\_NTNV



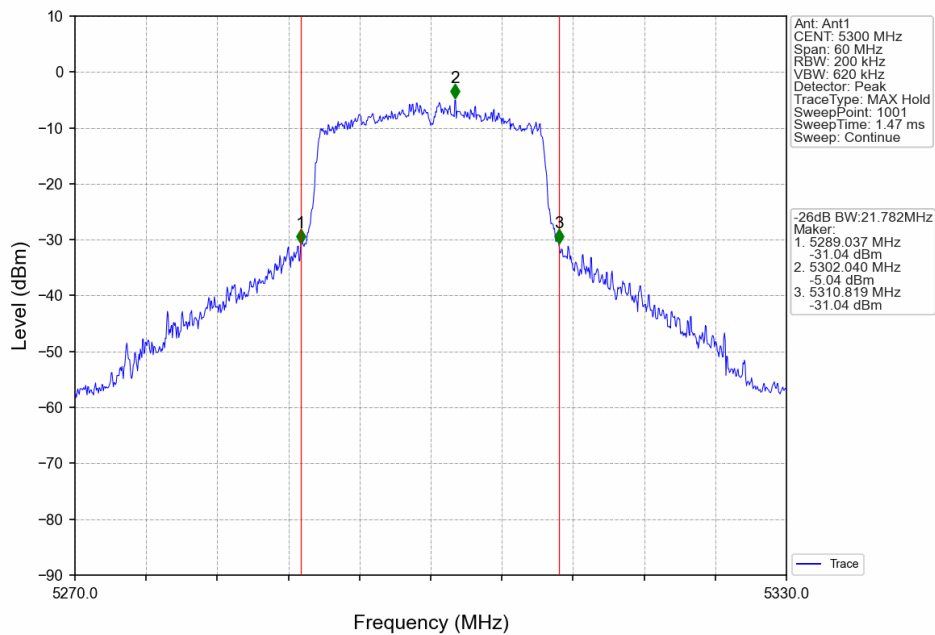
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802.11ax(HEW20)\_LCH\_5260MHz\_RU242\_Left\_Ant1\_NTNV

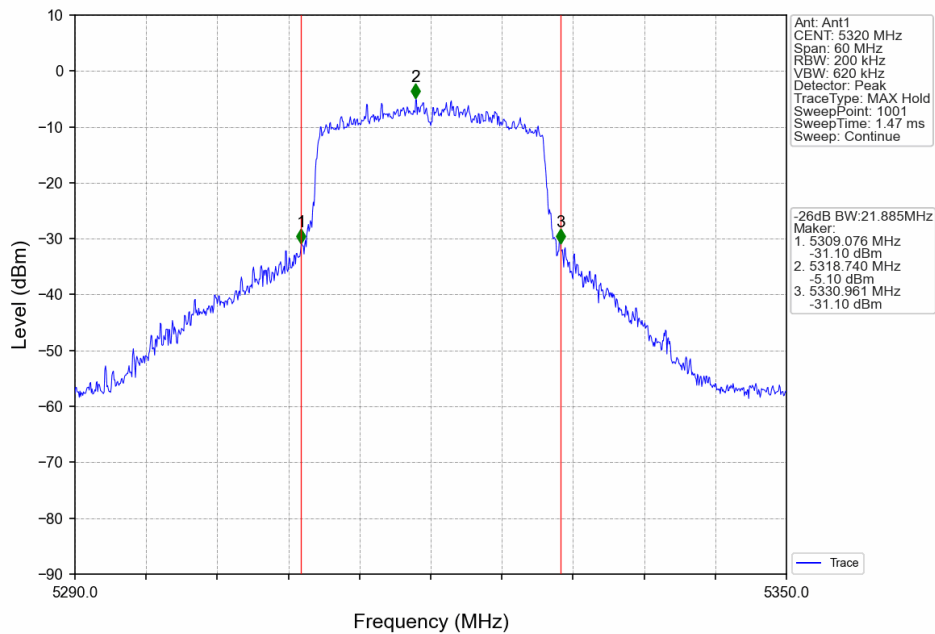


802.11ax(HEW20)\_MCH\_5300MHz\_RU242\_Left\_Ant1\_NTNV

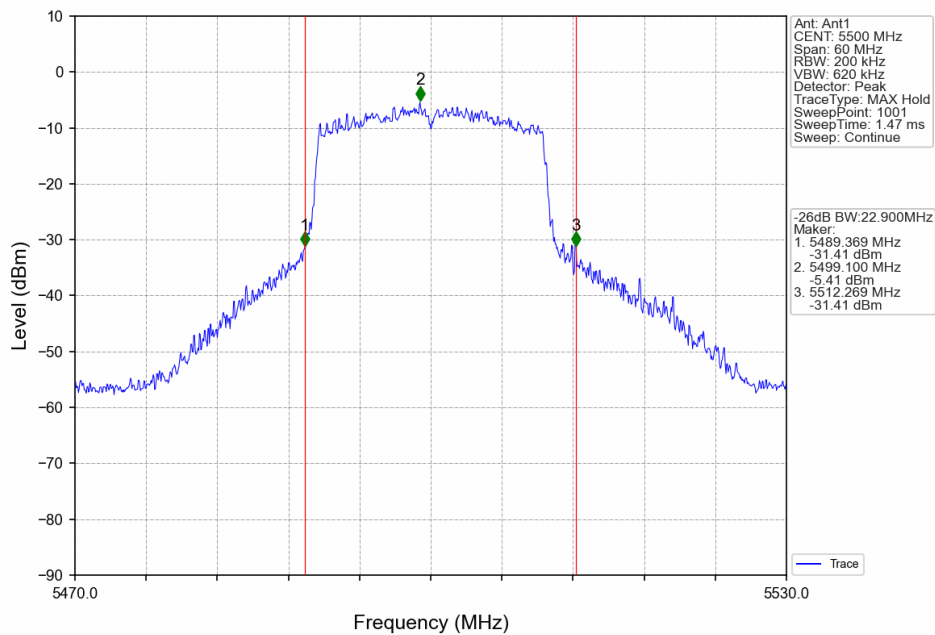




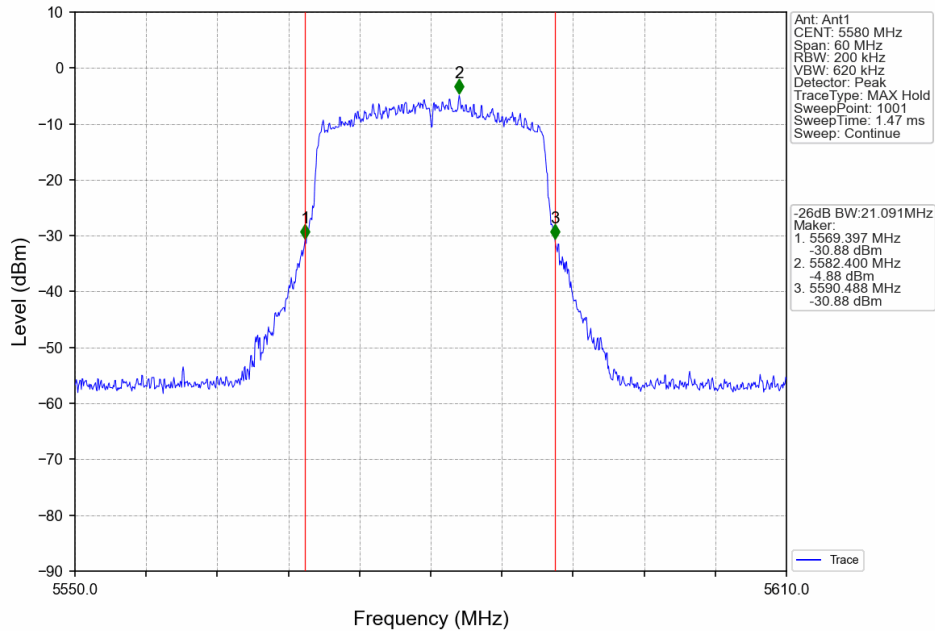
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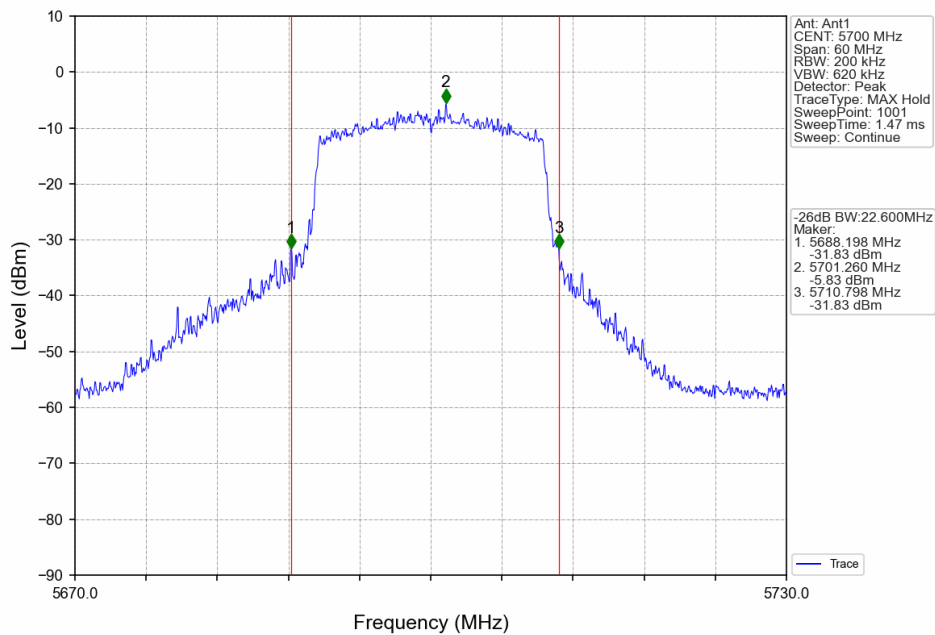
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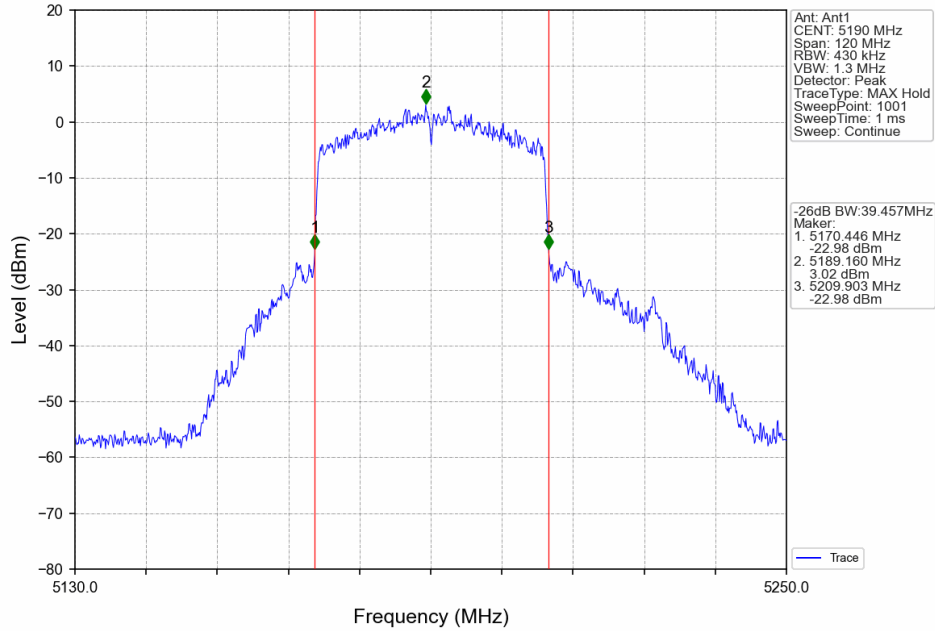
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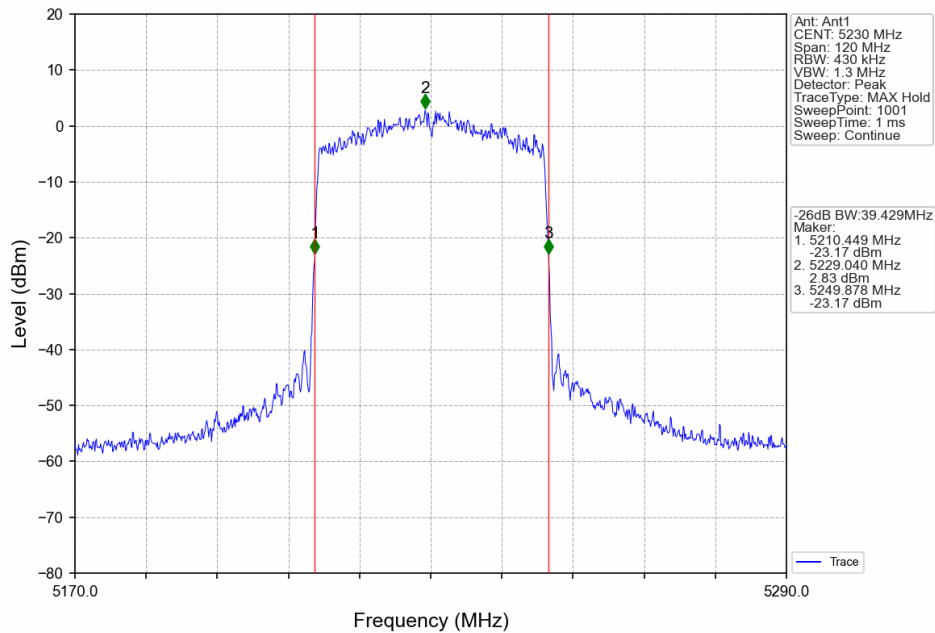
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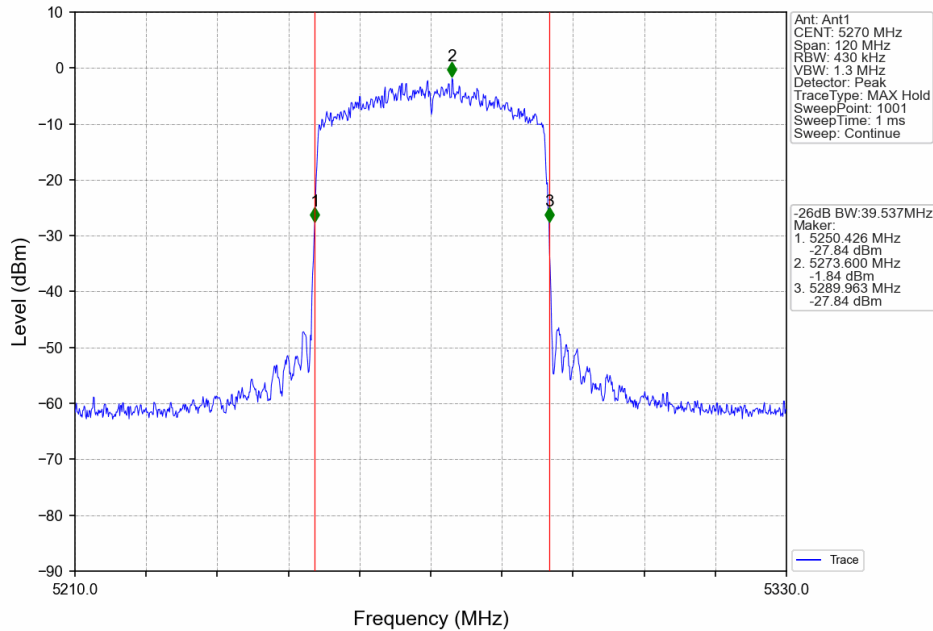
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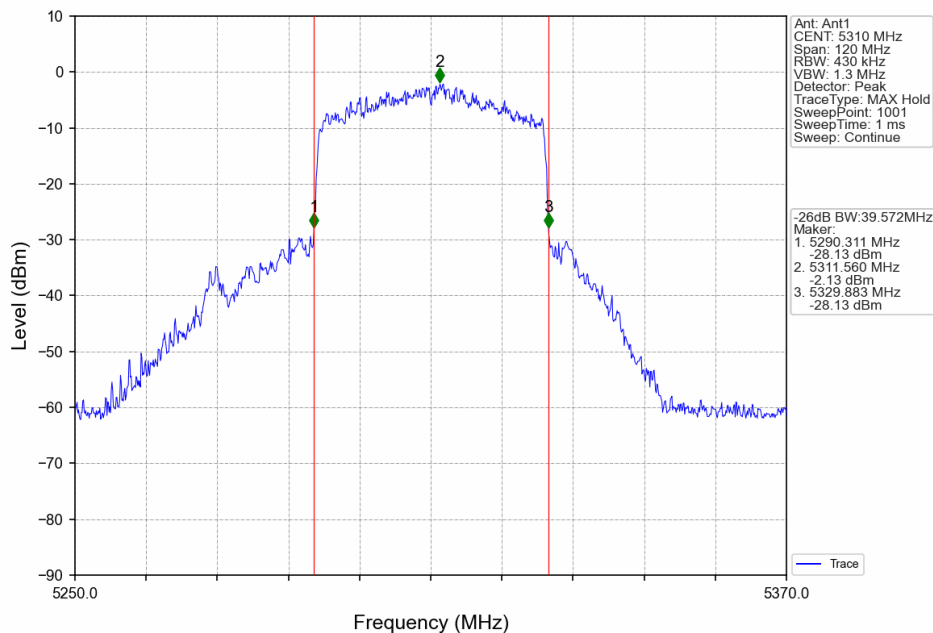
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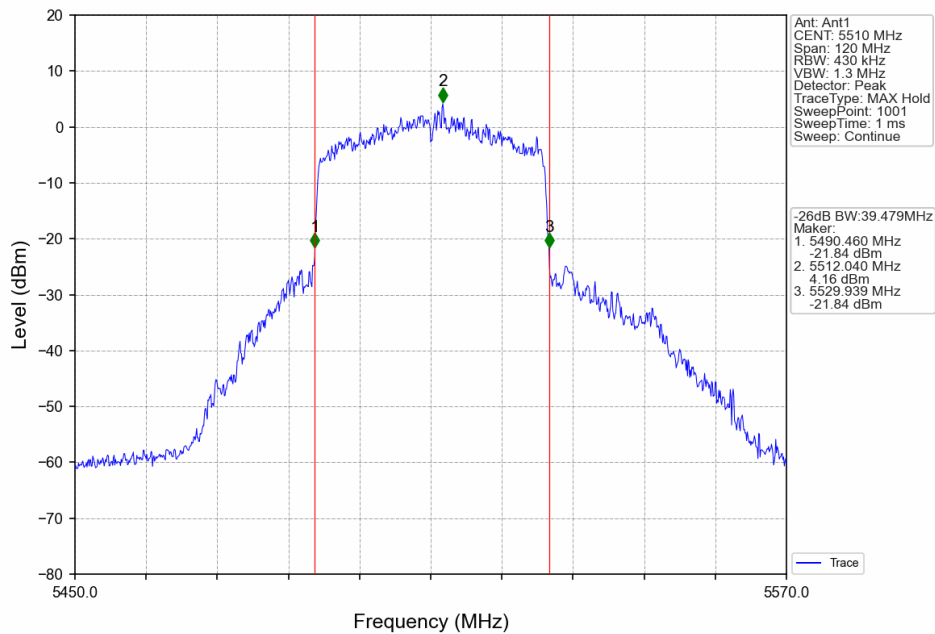


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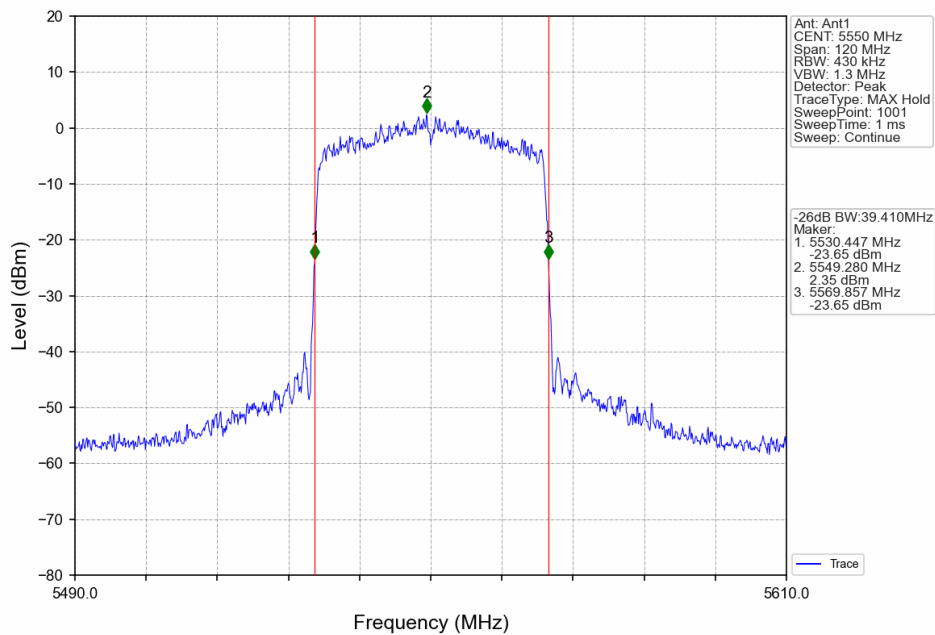




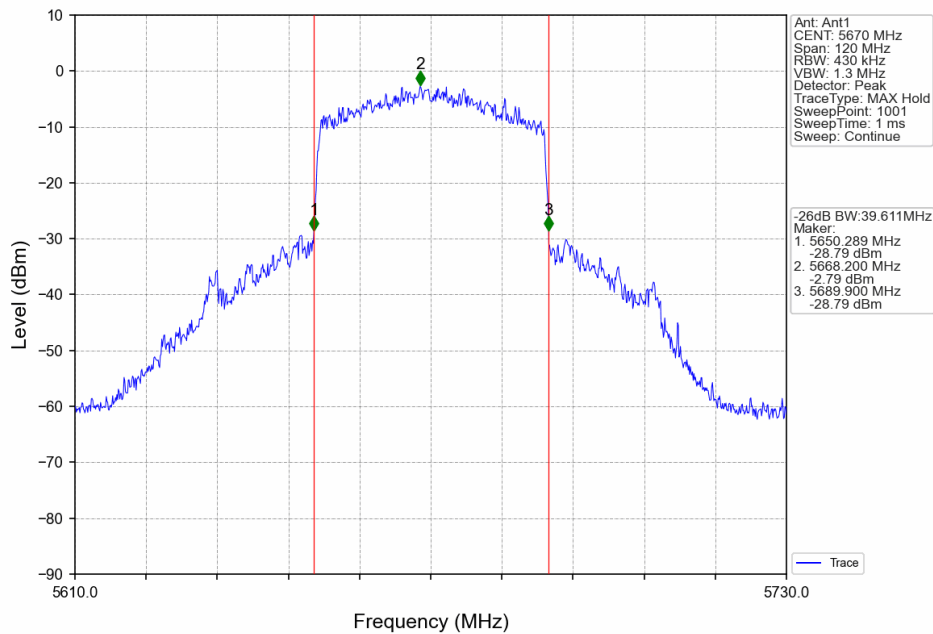
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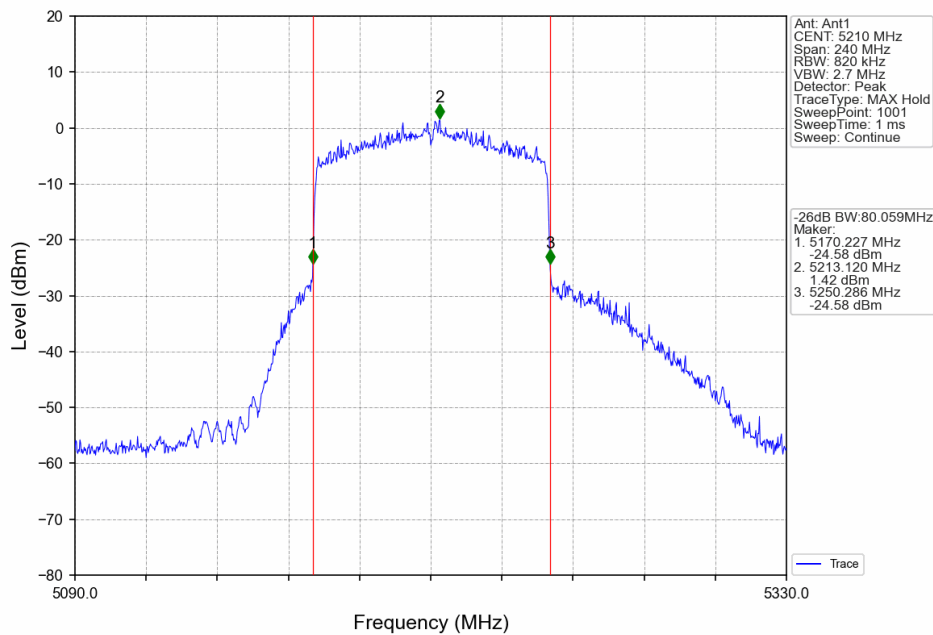
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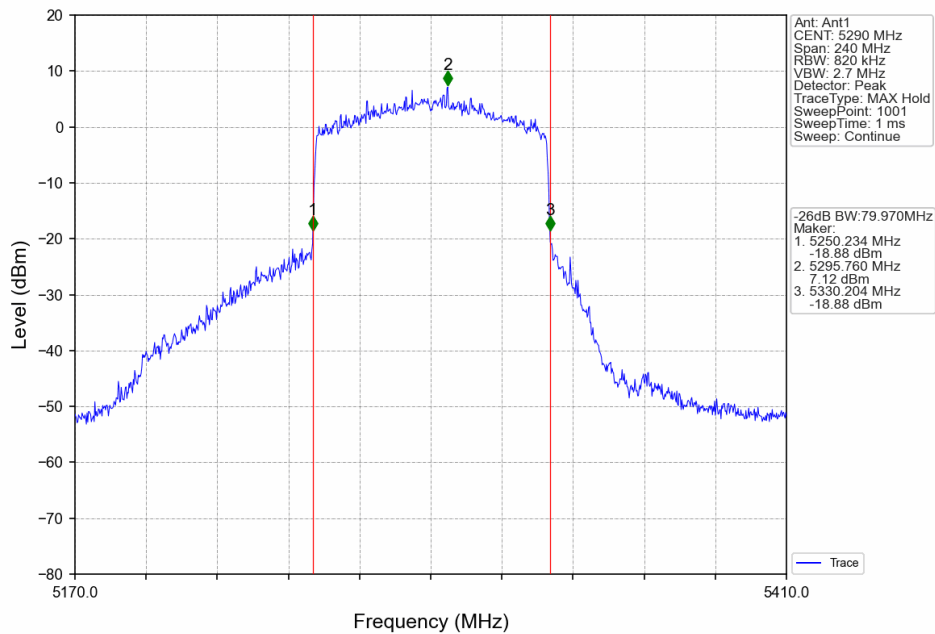
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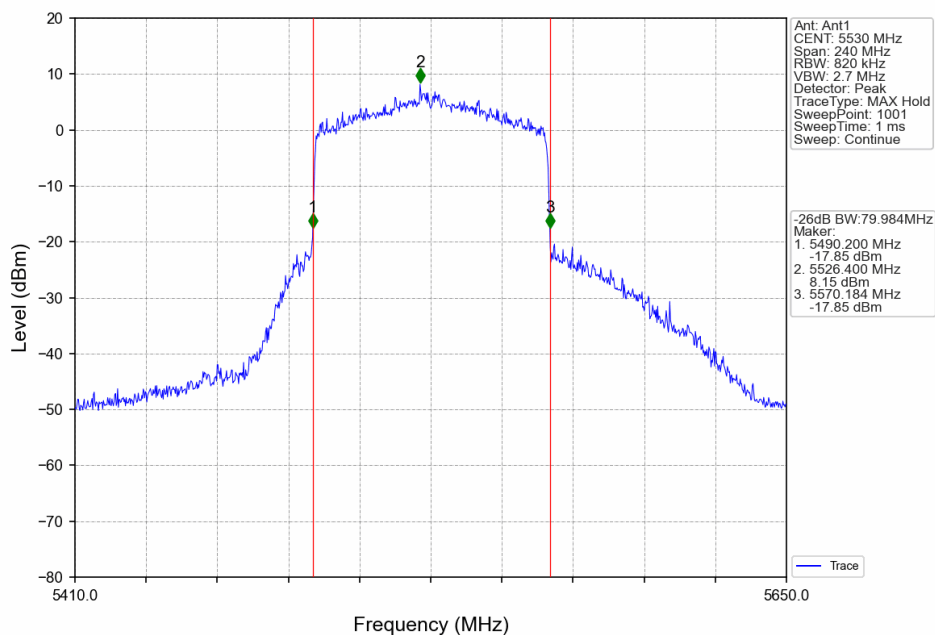
### 802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant1\_NTNV



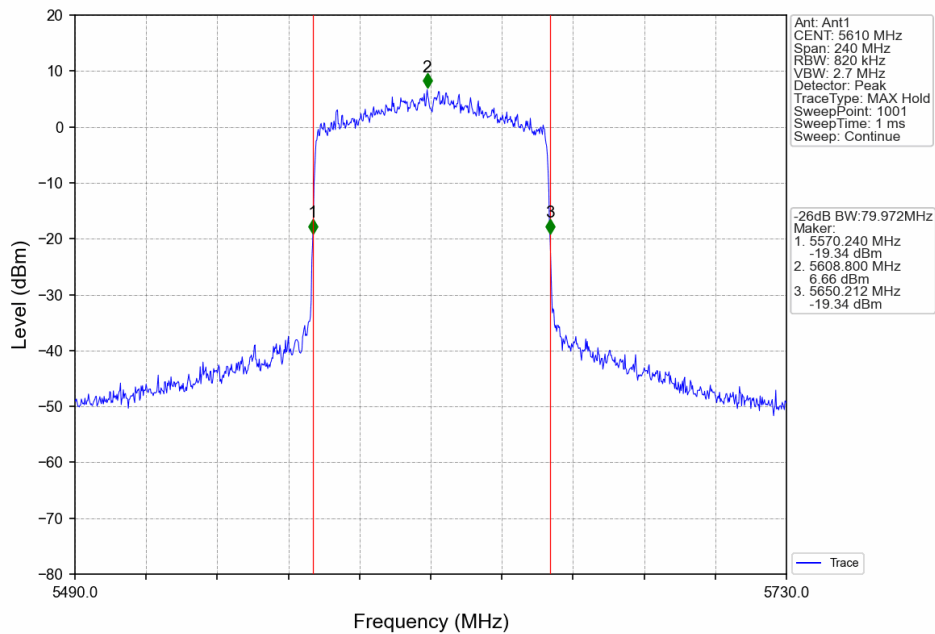
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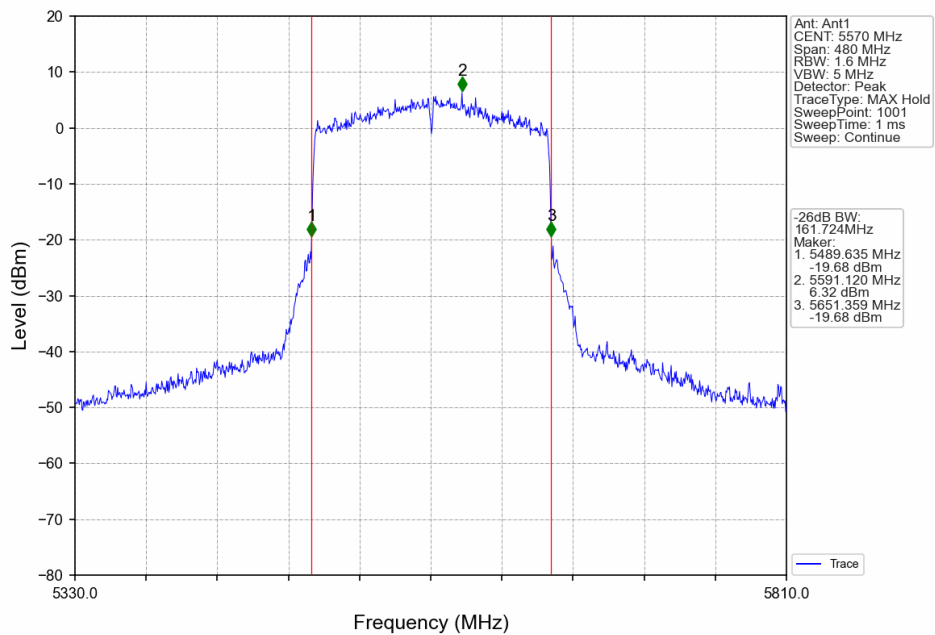
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### 802.11ax(HEW80)\_HCH\_5610MHz\_RU996\_Left\_Ant1\_NTNV

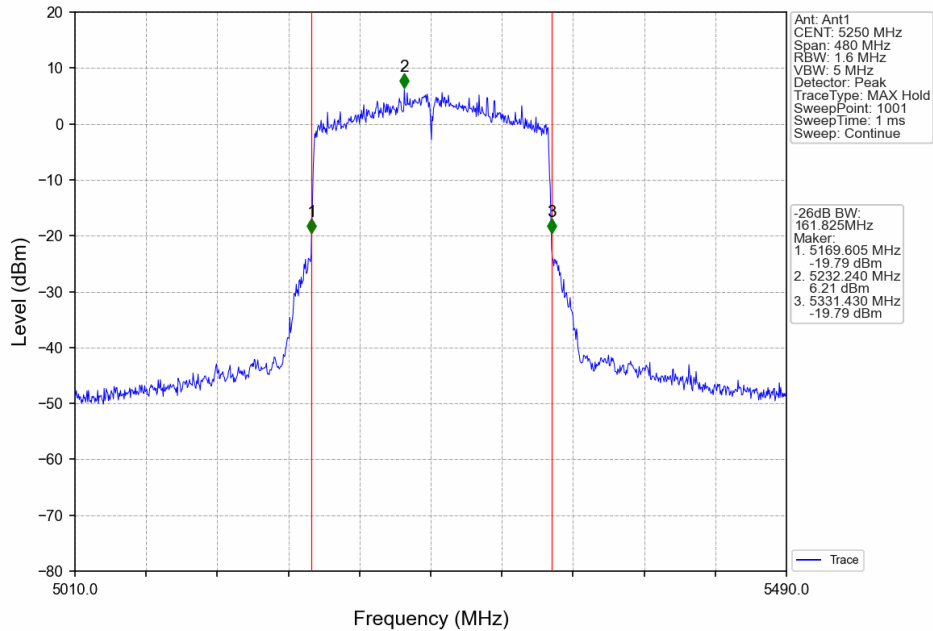


### 802.11ax(HEW160)\_MCH\_5570MHz\_2xRU996\_Left\_Ant1\_NTNV





### 802.11ax(HEW160)\_MCH\_5250MHz\_2xRU996\_Left\_Ant1\_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
					ANT1	ANT2	ANT3	ANT4	MIMO	Limit	
802.11a	MIMO	5180	/	/	9.20	8.87	9.17	10.05	15.37	<=26.61	Pass
		5200	/	/	9.14	8.97	9.39	10.22	15.48	<=26.61	Pass
		5240	/	/	9.72	9.69	9.86	10.86	16.08	<=26.61	Pass
		5260	/	/	3.11	4.12	4.13	5.27	10.25	<=20.54	Pass
		5300	/	/	2.85	4.01	3.92	5.12	10.07	<=20.59	Pass
		5320	/	/	3.06	3.91	3.89	5.05	10.06	<=20.59	Pass
		5500	/	/	4.81	5.24	4.09	5.35	10.92	<=20.59	Pass
		5580	/	/	4.49	5.41	4.10	5.61	10.97	<=20.59	Pass
		5700	/	/	3.11	4.47	3.34	4.60	9.95	<=20.59	Pass
		5745	/	/	13.70	13.82	14.90	14.58	20.30	<=27.84	Pass
		5785	/	/	13.77	14.27	14.67	14.93	20.45	<=27.84	Pass
		5825	/	/	14.18	14.32	14.68	15.48	20.72	<=27.84	Pass
802.11n (HT20)	MIMO	5180	/	/	10.39	10.51	9.82	11.22	16.53	<=26.61	Pass
		5200	/	/	10.37	10.51	9.92	11.26	16.56	<=26.61	Pass
		5240	/	/	10.97	11.10	10.65	11.97	17.22	<=26.61	Pass
		5260	/	/	3.61	4.53	4.27	5.79	10.64	<=20.59	Pass
		5300	/	/	3.35	4.32	3.86	5.62	10.39	<=20.59	Pass
		5320	/	/	3.24	4.06	3.83	5.56	10.28	<=20.59	Pass
		5500	/	/	4.43	5.07	4.21	5.39	10.82	<=20.59	Pass
		5580	/	/	4.39	5.22	4.02	5.19	10.76	<=20.59	Pass
		5700	/	/	3.20	4.31	3.33	4.42	9.87	<=20.59	Pass
		5745	/	/	14.95	15.15	16.41	16.10	21.72	<=27.84	Pass
		5785	/	/	14.60	15.08	15.60	15.87	21.34	<=27.84	Pass
		5825	/	/	14.61	14.57	15.23	16.07	21.18	<=27.84	Pass
802.11n (HT40)	MIMO	5190	/	/	12.84	12.91	12.16	13.48	18.89	<=26.61	Pass
		5230	/	/	13.32	13.41	12.87	14.02	19.45	<=26.61	Pass
		5270	/	/	7.62	7.43	7.38	8.71	13.84	<=20.59	Pass
		5310	/	/	4.52	5.48	5.13	6.70	11.55	<=20.59	Pass
		5510	/	/	7.86	8.10	7.39	7.98	13.86	<=20.59	Pass
		5550	/	/	8.12	8.27	7.46	8.27	14.06	<=20.59	Pass
		5670	/	/	7.34	6.90	7.13	9.03	13.71	<=20.59	Pass

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		5755	/	/	14.35	14.61	15.70	15.54	21.11	<=27.84	Pass
		5795	/	/	15.24	15.55	16.09	16.27	21.83	<=27.84	Pass
802.11ac (VHT20)	MIMO	5180	/	/	10.40	10.41	9.81	11.16	16.49	<=26.61	Pass
		5200	/	/	10.38	10.41	9.85	11.18	16.50	<=26.61	Pass
		5240	/	/	11.01	11.07	10.59	11.90	17.19	<=26.61	Pass
		5260	/	/	3.50	4.45	4.30	5.54	10.53	<=20.59	Pass
		5300	/	/	3.17	4.20	3.88	5.34	10.24	<=20.59	Pass
		5320	/	/	3.28	4.15	3.59	5.31	10.17	<=20.59	Pass
		5500	/	/	4.35	4.75	3.93	5.17	10.59	<=20.59	Pass
		5580	/	/	4.01	4.91	3.73	4.91	10.44	<=20.59	Pass
		5700	/	/	2.68	4.02	3.27	4.16	9.59	<=20.59	Pass
		5745	/	/	14.58	14.73	16.04	15.71	21.33	<=27.84	Pass
		5785	/	/	15.22	15.64	16.13	16.43	21.90	<=27.84	Pass
		5825	/	/	15.28	15.39	15.78	16.64	21.83	<=27.84	Pass
802.11ac (VHT40)	MIMO	5190	/	/	12.58	12.65	12.15	13.14	18.66	<=26.61	Pass
		5230	/	/	12.91	12.98	12.85	13.60	19.12	<=26.61	Pass
		5270	/	/	4.12	5.24	5.19	6.07	11.23	<=20.59	Pass
		5310	/	/	3.76	4.67	4.85	5.96	10.90	<=20.59	Pass
		5510	/	/	8.33	8.56	8.00	8.46	14.36	<=20.59	Pass
		5550	/	/	8.62	8.86	8.28	8.60	14.62	<=20.59	Pass
		5670	/	/	7.79	7.49	7.33	9.24	14.05	<=20.59	Pass
		5755	/	/	13.72	13.81	15.05	14.87	20.42	<=27.84	Pass
802.11ac (VHT80)	MIMO	5210	/	/	15.07	15.15	14.85	15.58	21.19	<=26.61	Pass
		5290	/	/	10.45	10.41	10.18	11.39	16.65	<=20.59	Pass
		5530	/	/	11.40	11.61	10.71	11.14	17.25	<=20.59	Pass
		5610	/	/	11.21	11.39	10.83	11.16	17.17	<=20.59	Pass
		5775	/	/	13.67	13.50	13.35	14.41	19.77	<=27.84	Pass
802.11ac (VHT160)	MIMO	5570	/	/	14.11	14.16	12.89	13.60	19.74	<=20.59	Pass
		5250	/	/	11.96	12.32	12.83	12.48	18.43	<=26.61	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	10.00	10.27	9.86	10.83	16.28	<=26.61	Pass
		5200	RU242	Left	10.04	10.25	9.91	10.93	16.32	<=26.61	Pass
		5240	RU242	Left	10.65	10.76	10.79	11.70	17.02	<=26.61	Pass
		5260	RU242	Left	2.90	3.72	3.95	4.76	9.90	<=20.59	Pass
		5300	RU242	Left	2.64	3.51	3.82	4.59	9.72	<=20.59	Pass
		5320	RU242	Left	2.68	3.48	3.69	4.59	9.68	<=20.59	Pass
		5500	RU242	Left	2.76	3.40	2.26	3.76	9.10	<=20.59	Pass
		5580	RU242	Left	2.83	3.93	2.44	4.19	9.43	<=20.59	Pass
		5700	RU242	Left	1.66	2.98	1.77	2.91	8.39	<=20.59	Pass
		5745	RU242	Left	14.73	14.82	16.15	15.81	21.44	<=27.84	Pass



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		5785	RU242	Left	14.33	14.71	15.38	15.58	21.05	<=27.84	Pass
		5825	RU242	Left	15.26	15.40	15.85	16.65	21.85	<=27.84	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	13.20	13.24	12.86	13.73	19.29	<=26.61	Pass
		5230	RU484	Left	13.62	13.69	13.55	14.41	19.85	<=26.61	Pass
		5270	RU484	Left	4.88	6.28	5.98	7.18	12.18	<=20.59	Pass
		5310	RU484	Left	4.82	5.66	5.71	7.25	11.97	<=20.59	Pass
		5510	RU484	Left	8.46	8.67	8.03	8.08	14.34	<=20.59	Pass
		5550	RU484	Left	7.84	7.93	7.64	7.93	13.86	<=20.59	Pass
		5670	RU484	Left	3.40	4.14	3.27	4.46	9.87	<=20.59	Pass
		5755	RU484	Left	14.35	14.54	15.81	15.73	21.18	<=27.84	Pass
		5795	RU484	Left	15.30	15.62	16.19	16.46	21.94	<=27.84	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	13.19	13.21	12.91	13.86	19.33	<=26.61	Pass
		5290	RU996	Left	7.97	8.04	8.22	9.33	14.45	<=20.59	Pass
		5530	RU996	Left	9.19	9.39	8.72	9.32	15.18	<=20.59	Pass
		5610	RU996	Left	8.81	9.00	8.62	9.32	14.97	<=20.59	Pass
		5775	RU996	Left	9.81	9.75	9.42	10.60	15.94	<=27.84	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	13.30	13.47	12.46	13.03	19.10	<=20.59	Pass
		5250	2xRU996	Left	12.83	12.88	12.61	13.56	19.01	<=26.61	Pass

Note:

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Ant4 gain (dBi)	Directional gain for power (dBi)	Directional gain for PSD (dBi)
U-NII Band 1	7.64	9.39	7.77	6.76	9.39	15.41
U-NII Band 2A	7.62	9.39	8.22	7.16	9.39	15.41
U-NII Band 2C	7.53	9.39	8.46	7.17	9.39	15.41
U-NII Band 3	7.08	8.16	7.12	7.14	8.16	14.18



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## 3.2 TPC EIRP

### 3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)						Verdict
					ANT1	ANT2	ANT3	ANT4	MIMO	Limit	
802.11a	MIMO	5260	/	/	4.48	7.53	6.13	6.55	12.33	<=24	Pass
		5300	/	/	3.60	7.01	5.62	5.64	11.65	<=24	Pass
		5320	/	/	3.76	7.25	5.53	6.07	11.85	<=24	Pass
		5500	/	/	4.38	6.15	4.56	5.19	11.15	<=24	Pass
		5580	/	/	5.22	6.65	5.67	5.66	11.85	<=24	Pass
		5700	/	/	3.97	5.83	4.96	4.96	11.00	<=24	Pass
802.11n (HT20)	MIMO	5260	/	/	5.31	7.76	6.98	7.07	12.89	<=24	Pass
		5300	/	/	4.96	7.80	6.77	6.59	12.67	<=24	Pass
		5320	/	/	4.76	7.46	6.41	6.49	12.40	<=24	Pass
		5500	/	/	5.19	6.43	5.61	5.59	11.75	<=24	Pass
		5580	/	/	4.93	6.57	5.57	5.54	11.71	<=24	Pass
		5700	/	/	3.70	5.70	4.96	4.58	10.81	<=24	Pass
802.11n (HT40)	MIMO	5270	/	/	8.60	11.08	10.24	10.32	16.17	<=24	Pass
		5310	/	/	8.14	10.79	9.76	9.85	15.76	<=24	Pass
		5510	/	/	8.63	9.80	8.89	8.82	15.08	<=24	Pass
		5550	/	/	8.65	9.94	8.70	8.65	15.04	<=24	Pass
		5670	/	/	9.22	10.98	10.28	10.30	16.26	<=24	Pass
802.11ac (VHT20)	MIMO	5260	/	/	4.87	7.61	6.56	6.43	12.49	<=24	Pass
		5300	/	/	4.60	7.50	6.35	6.26	12.32	<=24	Pass
		5320	/	/	4.59	7.11	6.04	6.15	12.08	<=24	Pass
		5500	/	/	-0.49	6.32	5.45	5.39	10.84	<=24	Pass
		5580	/	/	4.63	6.44	5.06	5.27	11.42	<=24	Pass
		5700	/	/	3.45	5.18	4.64	4.39	10.48	<=24	Pass
802.11ac (VHT40)	MIMO	5270	/	/	7.82	10.39	9.55	9.44	15.42	<=24	Pass
		5310	/	/	7.54	10.19	9.40	9.25	15.22	<=24	Pass
		5510	/	/	9.76	11.05	10.14	10.16	16.32	<=24	Pass
		5550	/	/	10.02	11.34	10.29	10.05	16.48	<=24	Pass
		5670	/	/	8.36	10.43	9.65	9.75	15.63	<=24	Pass
802.11ac (VHT80)	MIMO	5290	/	/	11.60	13.66	13.06	12.72	18.84	<=24	Pass
		5530	/	/	11.96	12.70	12.17	11.75	18.18	<=24	Pass
802.11ac (VHT160)	MIMO	5570	/	/	16.37	18.49	16.83	16.08	23.07	<=24	Pass
		5250	/	/	16.14	17.96	16.73	17.22	23.08	<=24	Pass
802.11ax (HEW20)	MIMO	5260	RU242	Left	4.82	7.29	6.53	6.34	12.35	<=24	Pass
		5300	RU242	Left	4.53	7.12	6.05	6.16	12.08	<=24	Pass
		5320	RU242	Left	4.48	7.01	6.25	6.05	12.06	<=24	Pass



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		5500	RU242	Left	4.91	5.95	5.20	5.18	11.35	<=24	Pass
		5580	RU242	Left	4.57	6.03	5.18	5.13	11.28	<=24	Pass
		5700	RU242	Left	3.30	5.28	4.54	4.22	10.41	<=24	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	9.22	12.05	11.00	11.14	16.99	<=24	Pass
		5310	RU484	Left	8.90	11.62	10.54	10.63	16.55	<=24	Pass
		5510	RU484	Left	9.35	10.71	9.75	9.74	15.94	<=24	Pass
		5550	RU484	Left	9.63	10.59	9.84	9.57	15.95	<=24	Pass
		5670	RU484	Left	6.64	8.30	7.57	7.76	13.63	<=24	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	9.12	11.35	10.81	10.41	16.52	<=24	Pass
		5530	RU996	Left	10.63	11.07	10.30	10.07	16.55	<=24	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	16.06	18.08	16.48	15.73	22.71	<=24	Pass
		5250	2xRU996	Left	15.00	16.94	15.59	16.33	22.05	<=24	Pass

Note1: E.I.R.P = Measured Power + Antenna Gain

Note2: Antenna Gain

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Ant4 gain (dBi)	Directional gain for power (dBi)	Directional gain for PSD (dBi)
U-NII Band 1	7.64	9.39	7.77	6.76	9.39	15.41
U-NII Band 2A	7.62	9.39	8.22	7.16	9.39	15.41
U-NII Band 2C	7.53	9.39	8.46	7.17	9.39	15.41
U-NII Band 3	7.08	8.16	7.12	7.14	8.16	14.18

### 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
					ANT1	ANT2	ANT3	ANT4	MIMO	Limit	
802.11a	MIMO	5180	/	/	-1.04	-1.45	-1.00	0.10	5.03	<=7.59	Pass
		5200	/	/	-1.01	-1.36	-0.89	0.09	5.13	<=7.59	Pass
		5240	/	/	-0.75	-0.84	-0.58	0.52	5.50	<=7.59	Pass
		5260	/	/	-7.31	-6.05	-5.91	-5.09	-0.17	<=1.59	Pass
		5300	/	/	-7.60	-6.13	-6.37	-5.07	-0.39	<=1.59	Pass
		5320	/	/	-7.19	-6.19	-6.15	-5.07	-0.25	<=1.59	Pass
		5500	/	/	-5.54	-4.98	-6.22	-4.98	0.46	<=1.59	Pass
		5580	/	/	-5.88	-4.83	-6.29	-4.61	0.58	<=1.59	Pass
		5700	/	/	-7.46	-5.84	-7.02	-5.68	-0.52	<=1.59	Pass
802.11n (HT20)	MIMO	5180	/	/	-0.05	0.10	-0.60	0.66	5.87	<=7.59	Pass
		5200	/	/	-0.18	0.01	-0.54	0.78	5.96	<=7.59	Pass
		5240	/	/	0.28	0.52	-0.03	1.20	6.40	<=7.59	Pass
		5260	/	/	-6.86	-5.97	-6.20	-4.70	0.04	<=1.59	Pass
		5300	/	/	-7.18	-5.98	-6.63	-4.82	-0.29	<=1.59	Pass
		5320	/	/	-7.23	-6.42	-6.70	-4.78	-0.29	<=1.59	Pass
		5500	/	/	-6.01	-5.36	-6.23	-5.01	0.30	<=1.59	Pass
		5580	/	/	-6.22	-5.10	-6.34	-5.40	0.17	<=1.59	Pass
		5700	/	/	-7.34	-6.17	-7.09	-6.05	-0.74	<=1.59	Pass
802.11n (HT40)	MIMO	5190	/	/	-0.15	0.04	-0.79	0.57	5.78	<=7.59	Pass
		5230	/	/	0.50	0.51	0.04	1.28	6.44	<=7.59	Pass
		5270	/	/	-5.39	-5.40	-5.31	-4.12	0.85	<=1.59	Pass
		5310	/	/	-8.42	-7.47	-7.96	-6.08	-1.51	<=1.59	Pass
		5510	/	/	-5.08	-4.84	-5.58	-4.87	0.81	<=1.59	Pass
		5550	/	/	-4.67	-4.56	-5.33	-4.66	1.13	<=1.59	Pass
		5670	/	/	-5.53	-6.06	-5.65	-3.57	0.73	<=1.59	Pass
802.11ac (VHT20)	MIMO	5180	/	/	-0.04	0.04	-0.28	0.75	5.92	<=7.59	Pass
		5200	/	/	-0.21	-0.06	-0.25	0.83	5.89	<=7.59	Pass
		5240	/	/	0.49	0.20	0.50	1.33	6.39	<=7.59	Pass
		5260	/	/	-7.03	-6.14	-5.91	-4.71	-0.09	<=1.59	Pass
		5300	/	/	-7.38	-6.28	-6.20	-4.85	-0.33	<=1.59	Pass
		5320	/	/	-7.12	-6.26	-6.50	-5.03	-0.44	<=1.59	Pass

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		5500	/	/	-6.12	-5.55	-6.39	-5.24	0.07	<=1.59	Pass
		5580	/	/	-6.32	-5.48	-6.75	-5.46	-0.12	<=1.59	Pass
		5700	/	/	-7.85	-6.43	-7.12	-6.23	-0.95	<=1.59	Pass
802.11ac (VHT40)	MIMO	5190	/	/	-0.16	-0.30	-0.83	0.44	5.72	<=7.59	Pass
		5230	/	/	-0.03	0.07	-0.02	0.85	6.06	<=7.59	Pass
		5270	/	/	-8.66	-7.83	-7.80	-6.92	-1.87	<=1.59	Pass
		5310	/	/	-9.04	-8.08	-7.85	-7.02	-2.07	<=1.59	Pass
		5510	/	/	-4.59	-4.25	-4.89	-4.62	1.29	<=1.59	Pass
		5550	/	/	-4.28	-4.24	-4.58	-4.18	1.49	<=1.59	Pass
		5670	/	/	-5.21	-5.51	-5.50	-3.61	1.00	<=1.59	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-0.94	-0.96	-1.20	-0.39	5.12	<=7.59	Pass
		5290	/	/	-5.45	-5.68	-5.44	-4.67	0.52	<=1.59	Pass
		5530	/	/	-4.19	-4.33	-5.00	-4.45	1.31	<=1.59	Pass
		5610	/	/	-4.92	-4.48	-5.08	-4.51	1.05	<=1.59	Pass
802.11ac (VHT160)	MIMO	5570	/	/	-4.76	-4.69	-5.55	-5.51	0.74	<=1.59	Pass
		5250	/	/	-5.95	-5.82	-5.49	-6.10	-0.15	<=7.59	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	-0.82	-0.41	-0.90	0.10	5.35	<=7.59	Pass
		5200	RU242	Left	-0.63	-0.47	-0.79	0.20	5.46	<=7.59	Pass
		5240	RU242	Left	-0.45	-0.03	-0.19	0.93	6.02	<=7.59	Pass
		5260	RU242	Left	-7.80	-7.02	-6.72	-5.89	-0.91	<=1.59	Pass
		5300	RU242	Left	-8.02	-7.25	-6.90	-6.17	-1.23	<=1.59	Pass
		5320	RU242	Left	-8.05	-7.20	-6.92	-6.03	-1.21	<=1.59	Pass
		5500	RU242	Left	-8.02	-7.43	-8.42	-6.73	-1.86	<=1.59	Pass
		5580	RU242	Left	-8.01	-6.79	-8.33	-6.43	-1.54	<=1.59	Pass
802.11ax (HEW40)	MIMO	5700	RU242	Left	-9.08	-7.72	-8.91	-7.86	-2.59	<=1.59	Pass
		5190	RU484	Left	-0.04	0.07	-0.36	0.57	6.01	<=7.59	Pass
		5230	RU484	Left	0.35	0.50	0.36	1.30	6.59	<=7.59	Pass
		5270	RU484	Left	-7.61	-6.79	-6.63	-5.60	-0.91	<=1.59	Pass
		5310	RU484	Left	-7.88	-7.16	-7.17	-6.03	-1.21	<=1.59	Pass
		5510	RU484	Left	-4.27	-4.65	-4.77	-4.52	1.27	<=1.59	Pass
		5550	RU484	Left	-5.59	-4.92	-4.94	-4.93	0.77	<=1.59	Pass
		5670	RU484	Left	-9.87	-9.05	-9.93	-8.69	-3.41	<=1.59	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	-2.86	-2.73	-3.05	-1.94	3.23	<=7.59	Pass
		5290	RU996	Left	-8.09	-7.90	-7.79	-6.68	-1.74	<=1.59	Pass
		5530	RU996	Left	-6.98	-6.67	-7.09	-6.31	-0.84	<=1.59	Pass
		5610	RU996	Left	-7.20	-6.92	-7.32	-6.61	-1.16	<=1.59	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	-5.71	-5.27	-6.53	-6.29	-0.07	<=1.59	Pass
		5250	2xRU996	Left	-6.16	-5.95	-6.18	-5.38	-0.08	<=7.59	Pass



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Note:

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Ant4 gain (dBi)	Directional gain for power (dBi)	Directional gain for PSD (dBi)
U-NII Band 1	7.64	9.39	7.77	6.76	9.39	15.41
U-NII Band 2A	7.62	9.39	8.22	7.16	9.39	15.41
U-NII Band 2C	7.53	9.39	8.46	7.17	9.39	15.41
U-NII Band 3	7.08	8.16	7.12	7.14	8.16	14.18



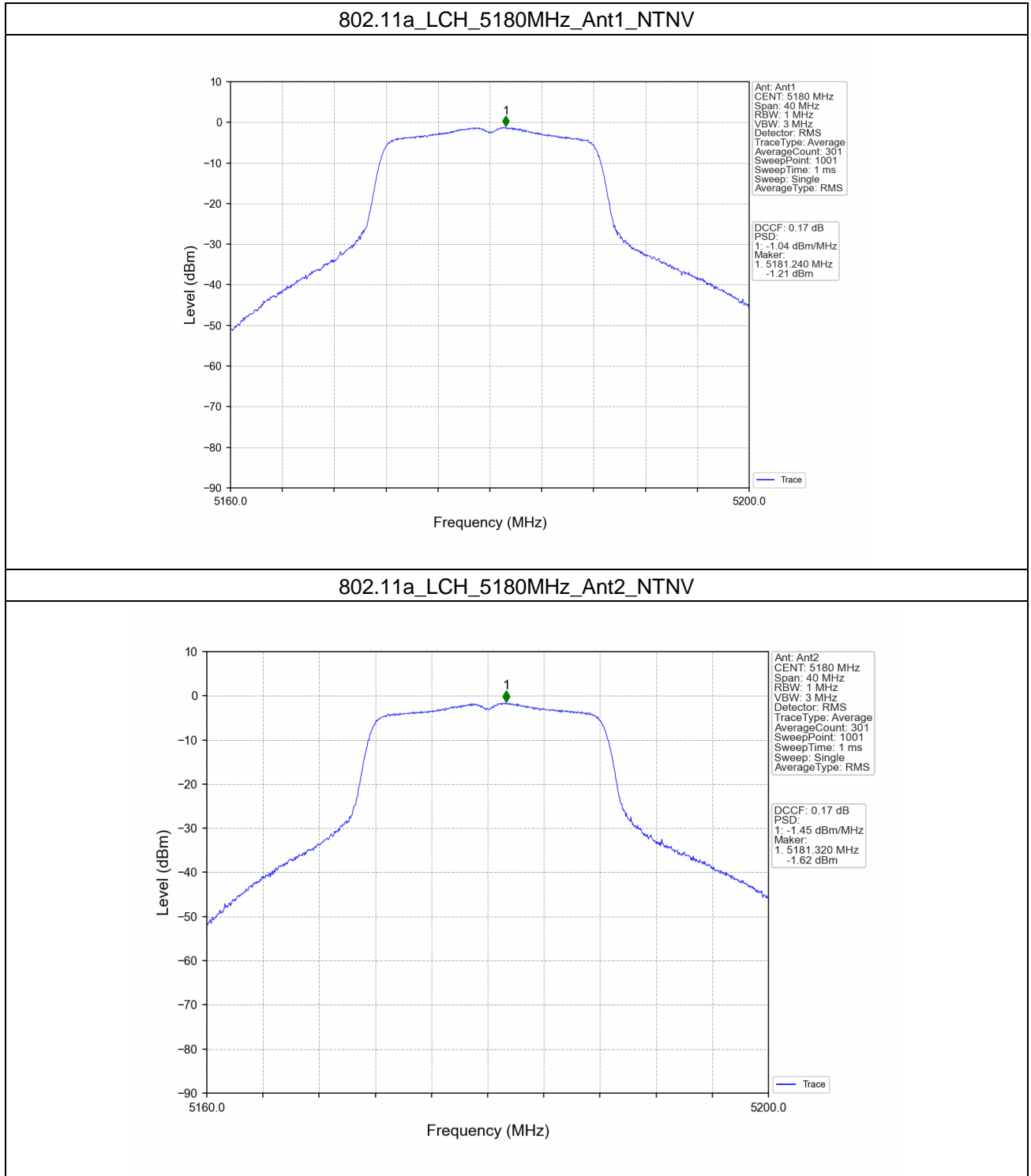
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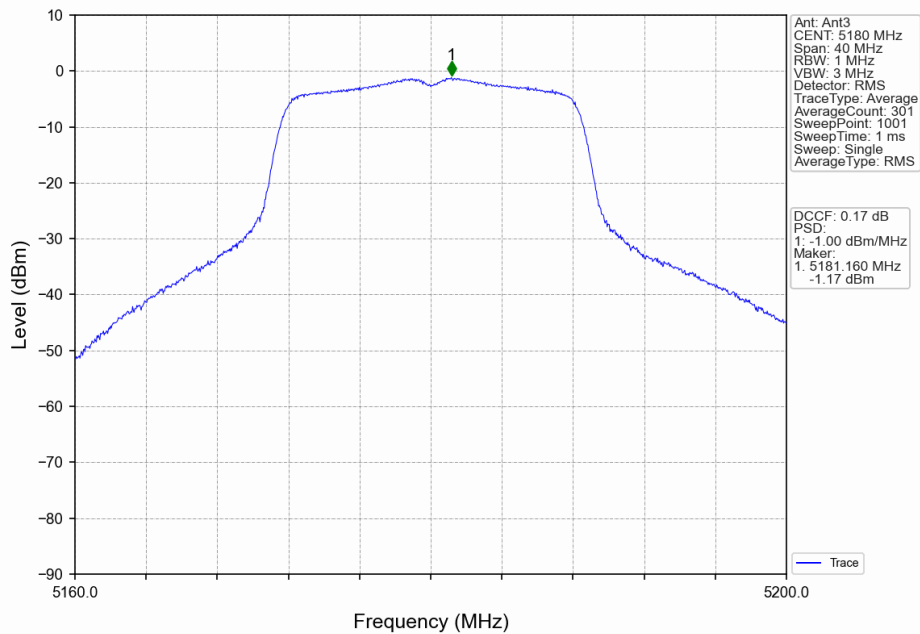
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### 4.1.2 Test Graph



802.11a\_LCH\_5180MHz\_Ant3\_NTNV



802.11a\_LCH\_5180MHz\_Ant4\_NTNV

