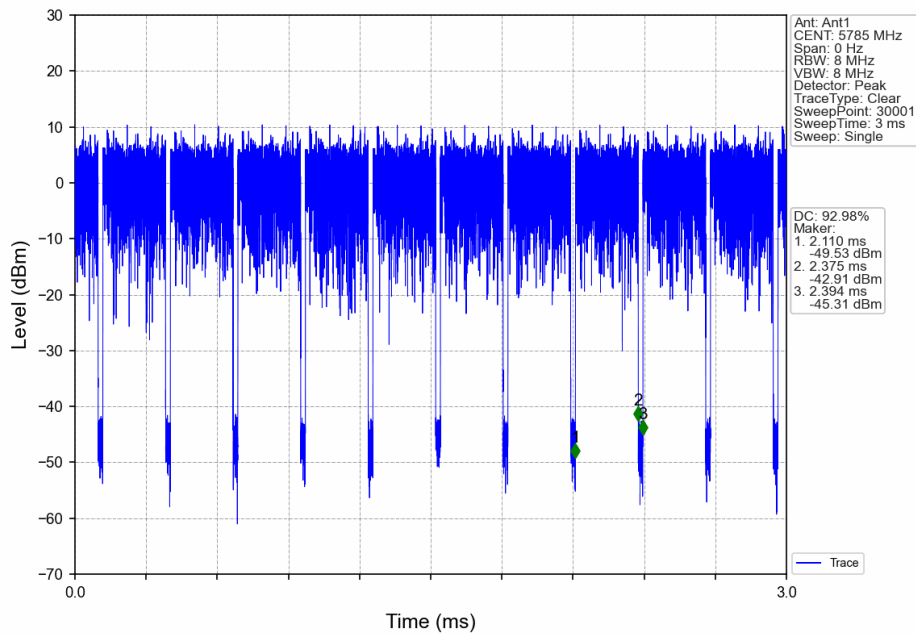
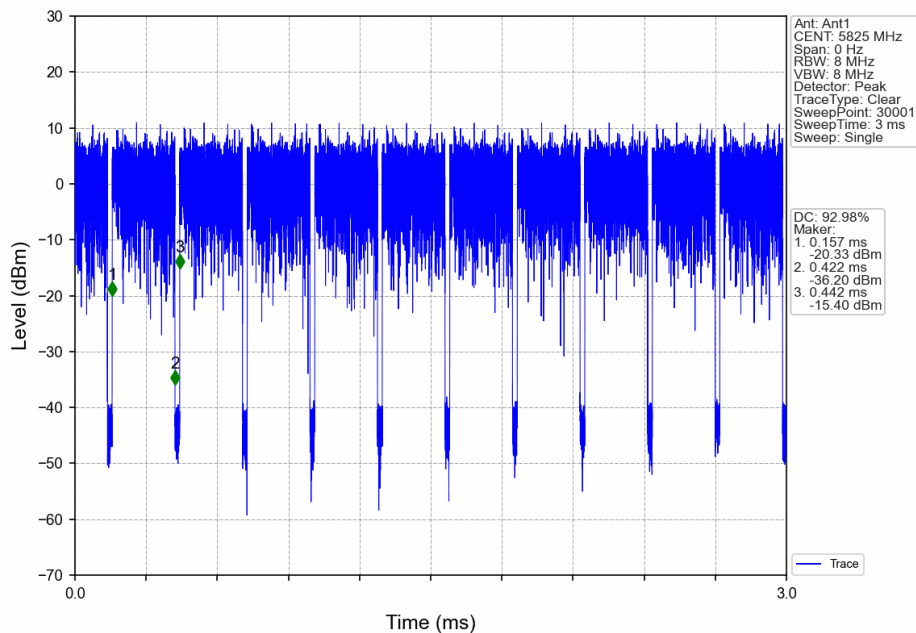


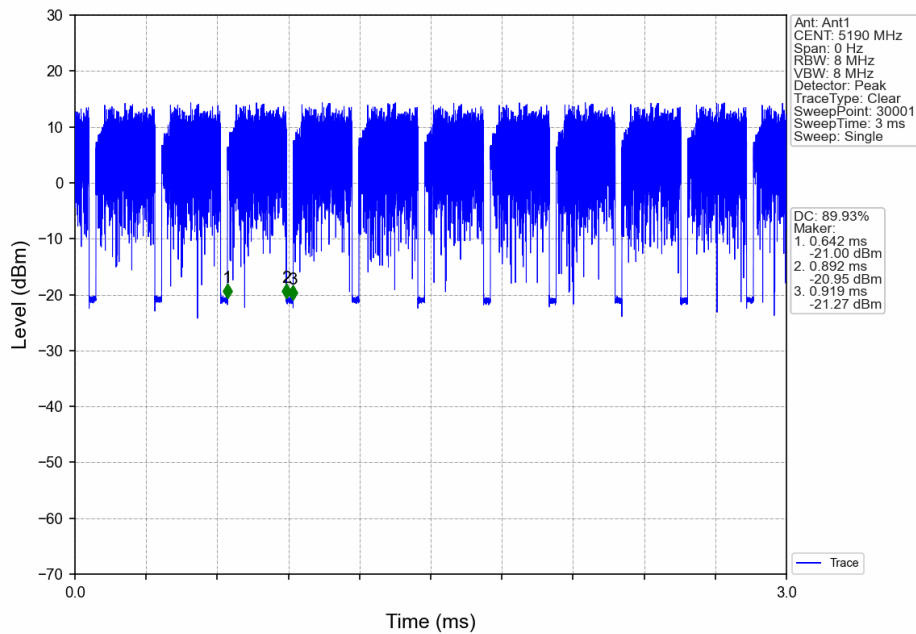
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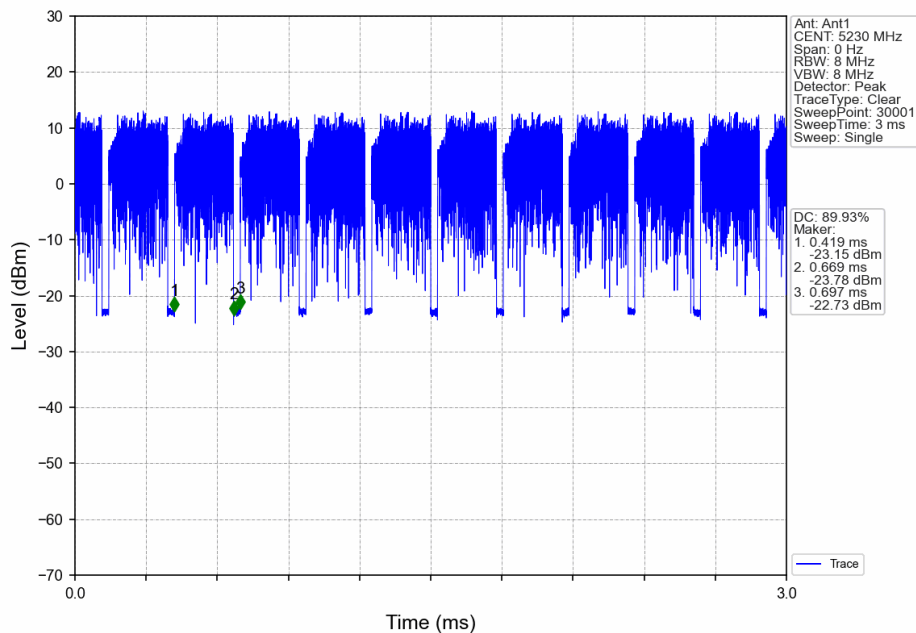
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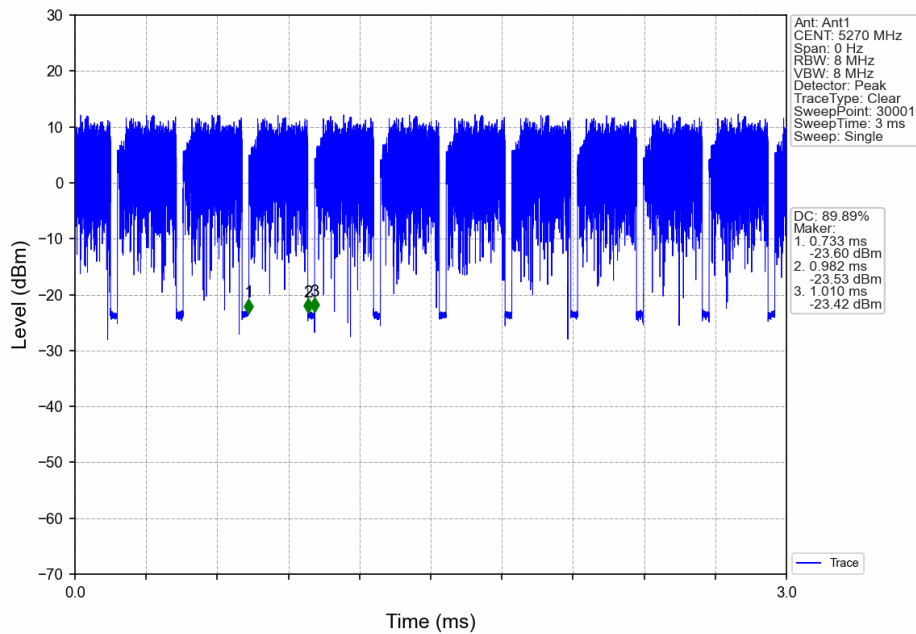
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



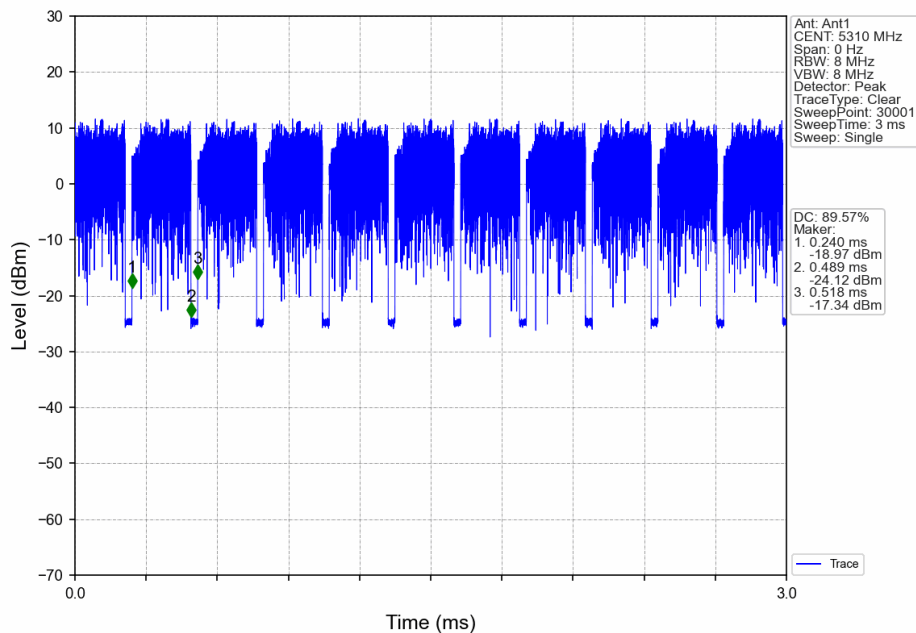
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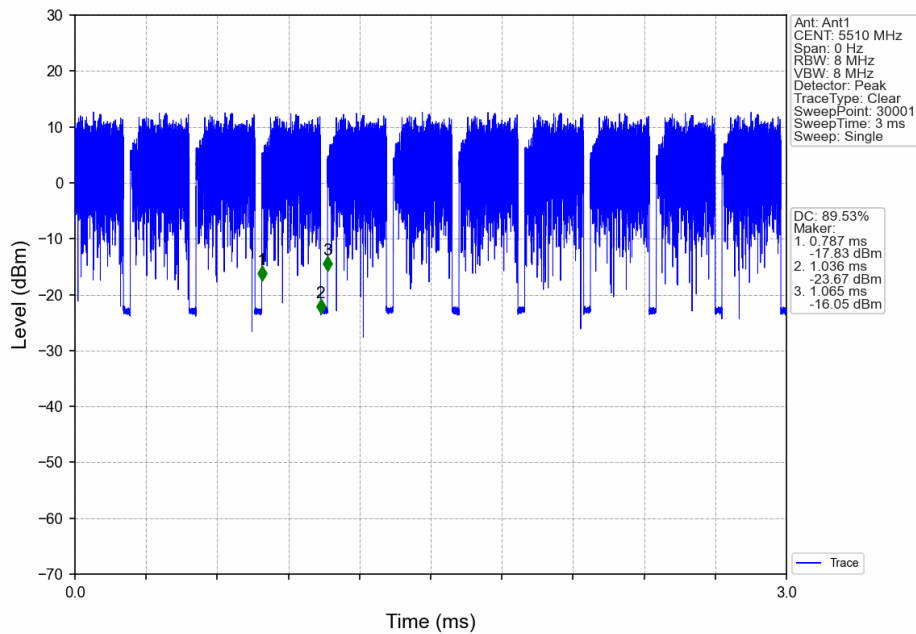
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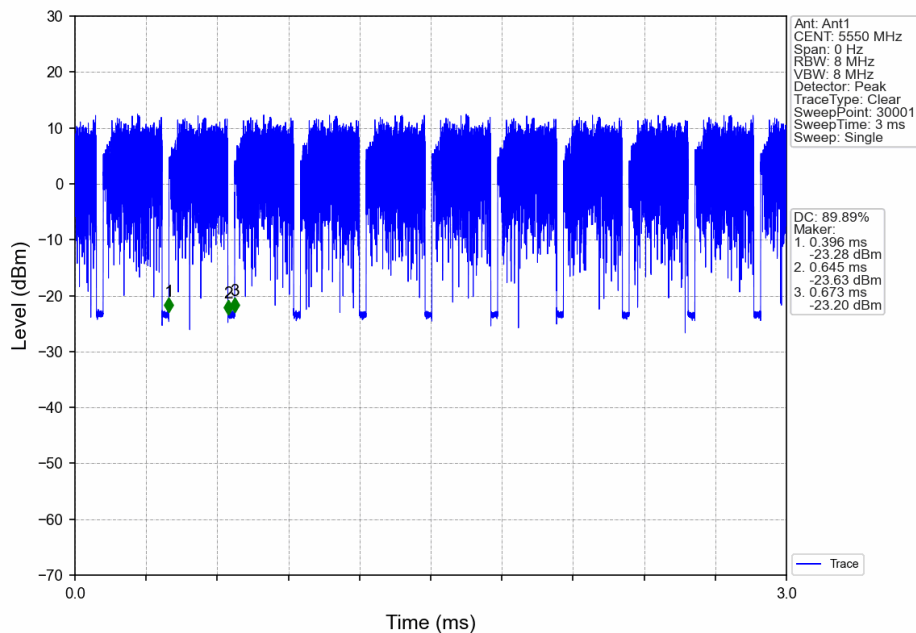
802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV

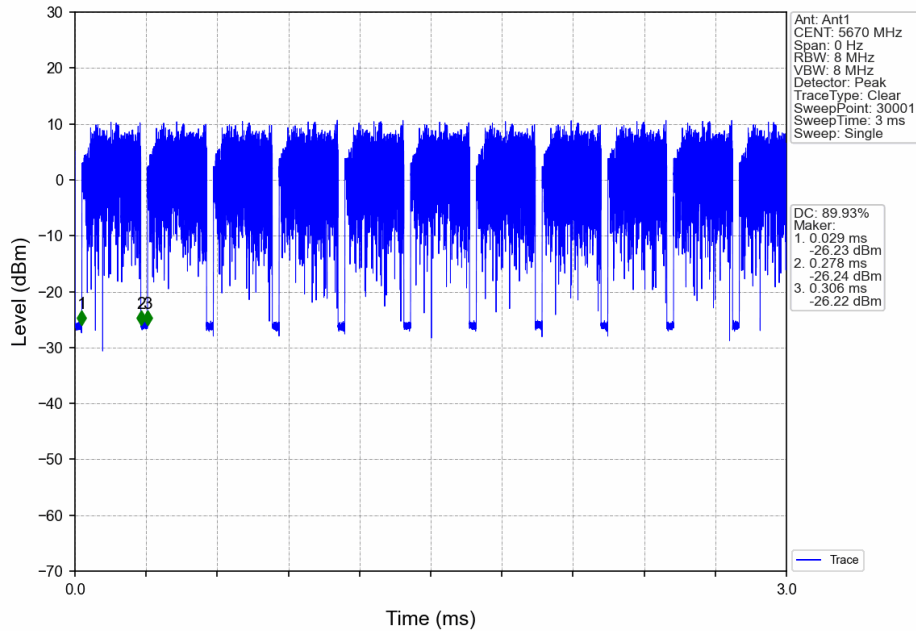


802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV

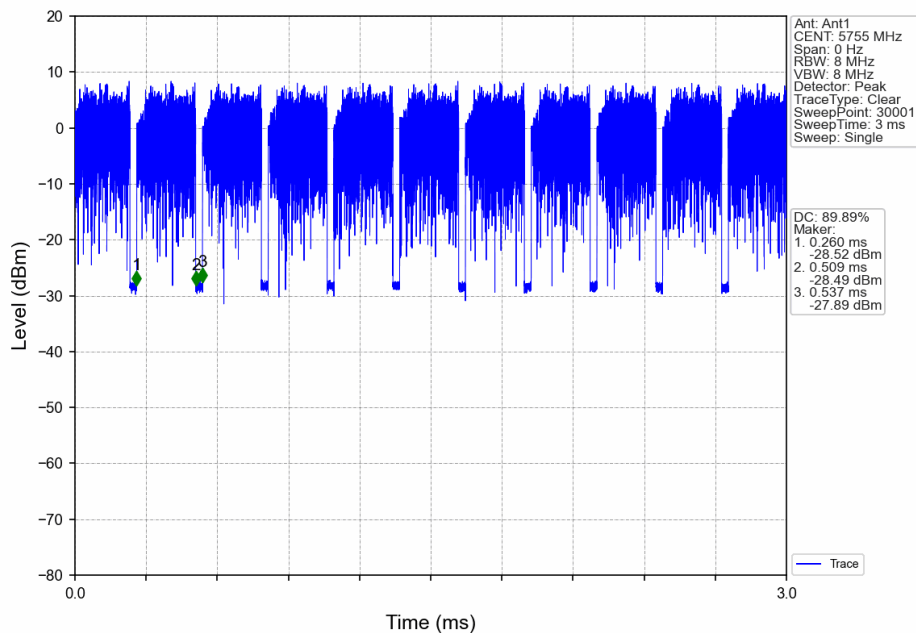




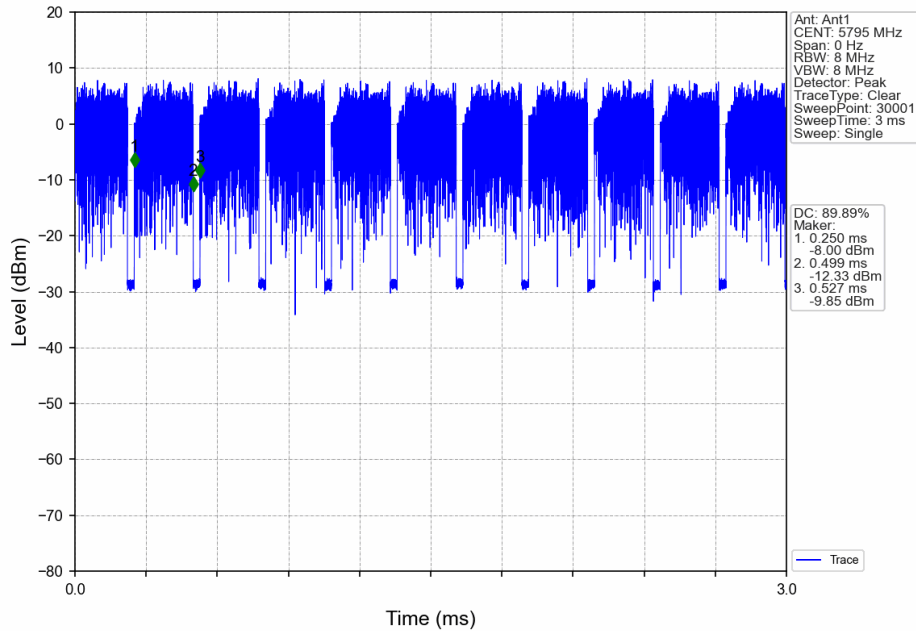
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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



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



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SZEMC-TRF-01 Rev. A/1

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## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	16.467	/	Pass
		5200	1	17.166	/	Pass
		5240	1	16.952	/	Pass
		5260	1	16.859	/	Pass
		5300	1	16.709	/	Pass
		5320	1	16.663	/	Pass
		5500	1	16.690	/	Pass
		5580	1	16.571	/	Pass
		5700	1	16.491	/	Pass
		5745	1	16.504	/	Pass
		5785	1	16.504	/	Pass
		5825	1	16.492	/	Pass
802.11n (HT20)	SISO	5180	1	17.969	/	Pass
		5200	1	17.952	/	Pass
		5240	1	17.906	/	Pass
		5260	1	17.887	/	Pass
		5300	1	17.800	/	Pass
		5320	1	17.769	/	Pass
		5500	1	17.781	/	Pass
		5580	1	17.722	/	Pass
		5700	1	17.683	/	Pass
		5745	1	17.620	/	Pass
		5785	1	17.636	/	Pass
		5825	1	17.647	/	Pass
802.11n (HT40)	SISO	5190	1	36.666	/	Pass
		5230	1	36.576	/	Pass
		5270	1	36.454	/	Pass
		5310	1	36.302	/	Pass
		5510	1	36.310	/	Pass
		5550	1	36.254	/	Pass
		5670	1	36.074	/	Pass



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		5755	1	36.055	/	Pass
		5795	1	36.023	/	Pass



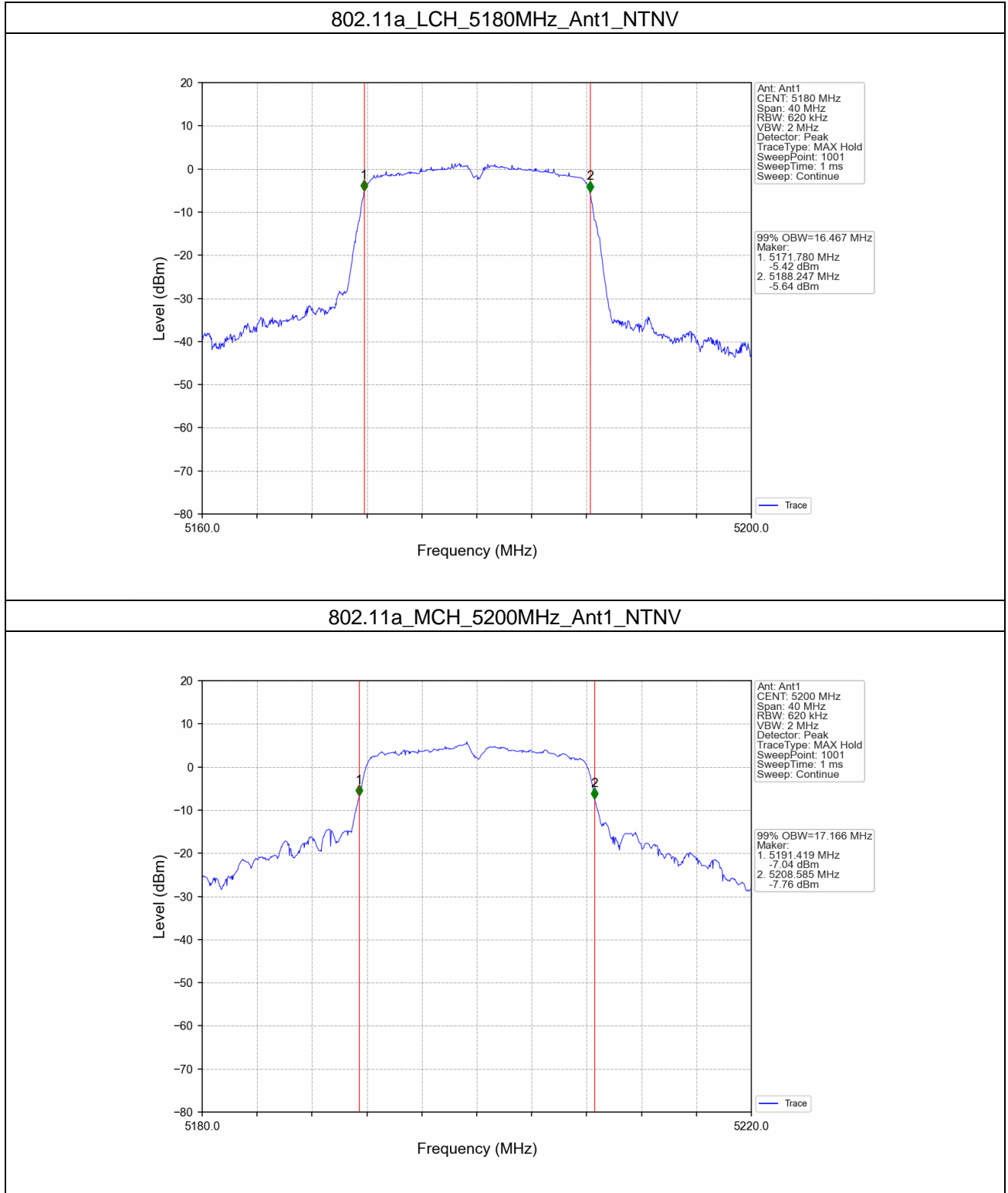
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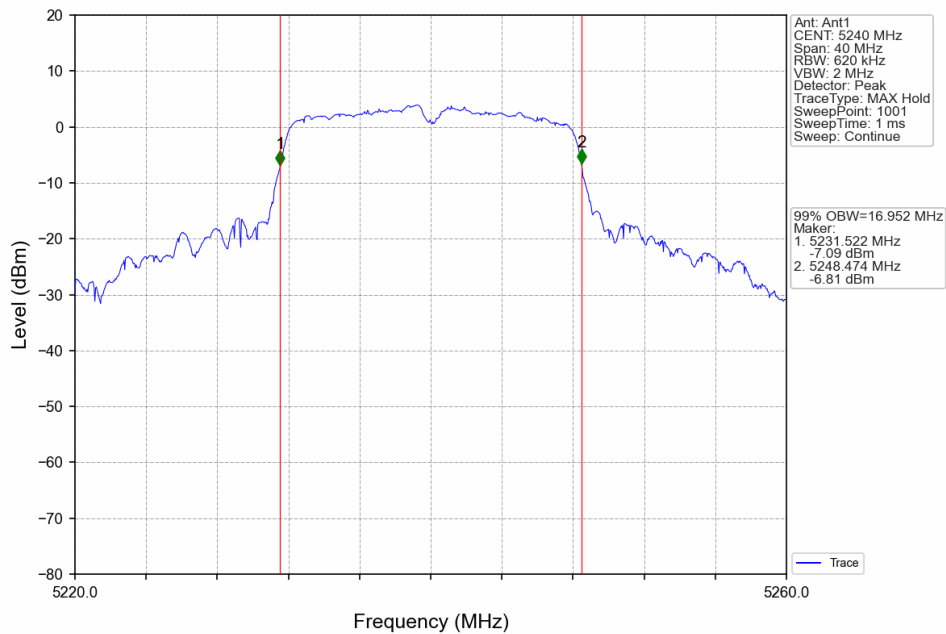
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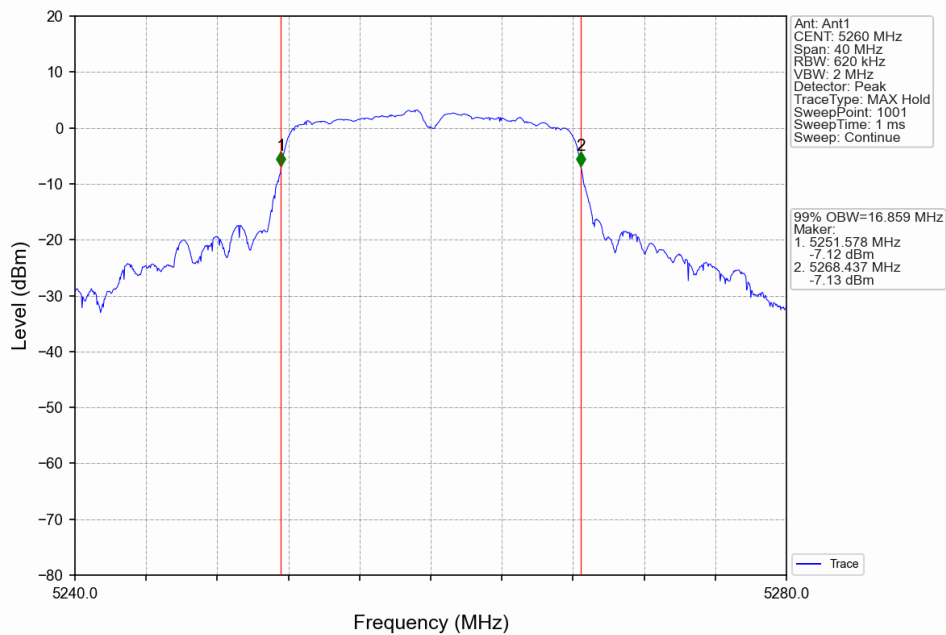
### 2.1.2 Test Graph



802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant1\_NTNV



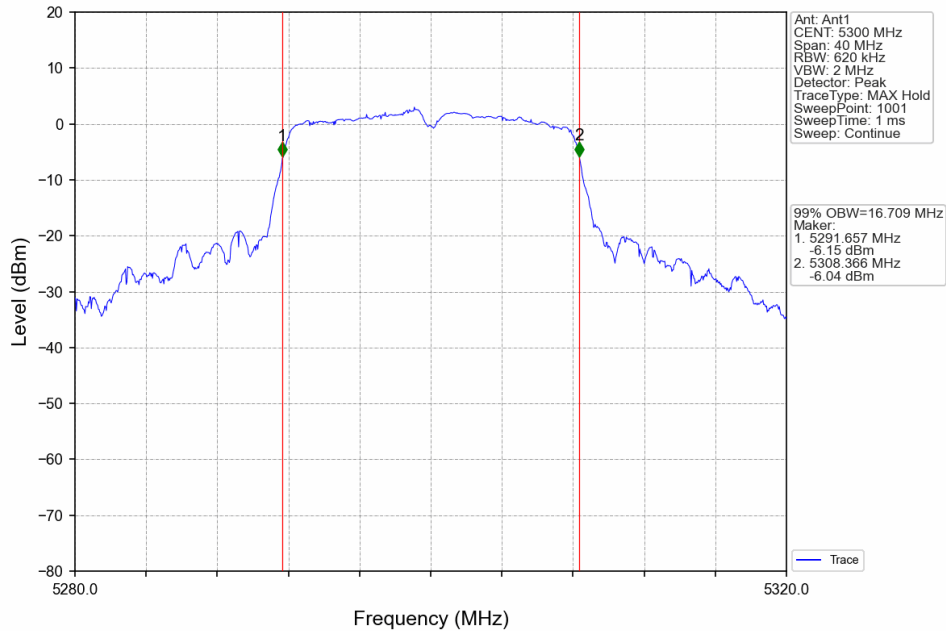
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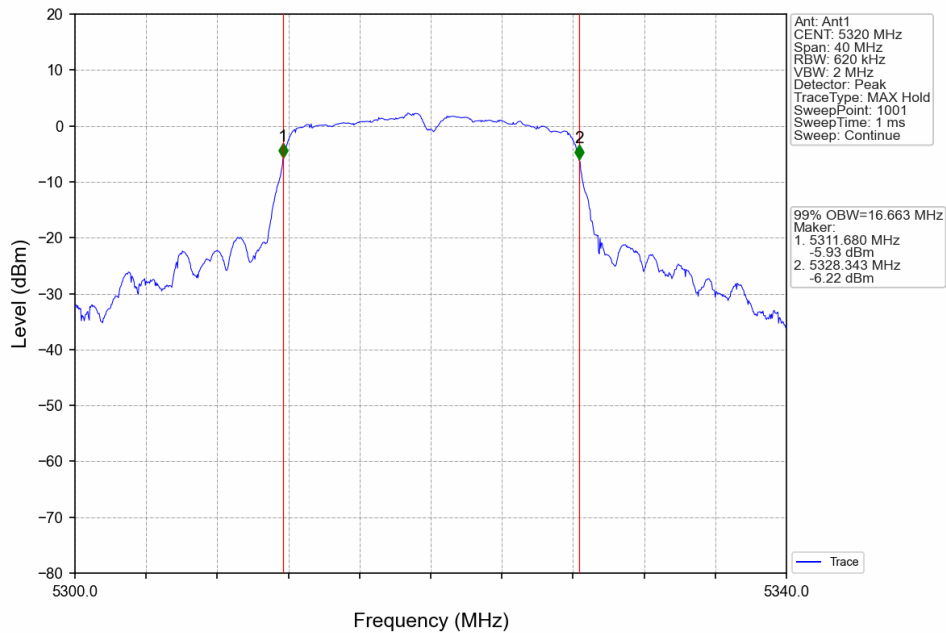
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV



802.11a\_HCH\_5320MHz\_Ant1\_NTNV



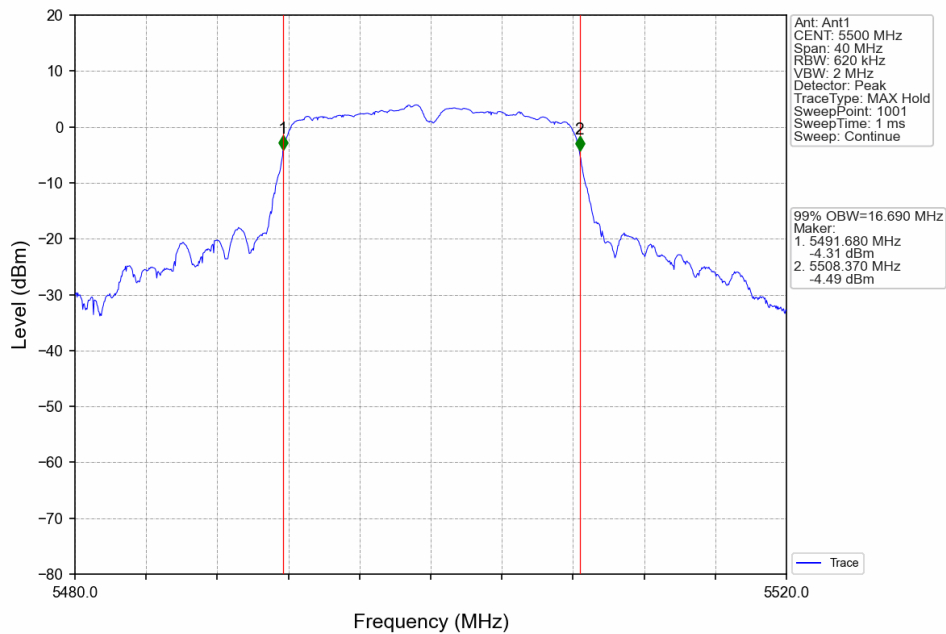
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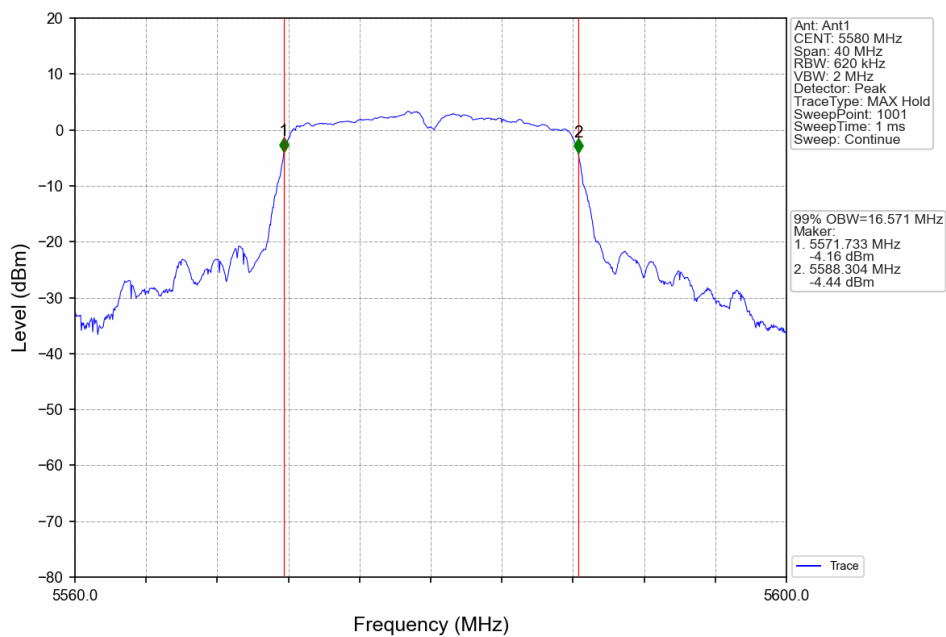
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant1\_NTNV



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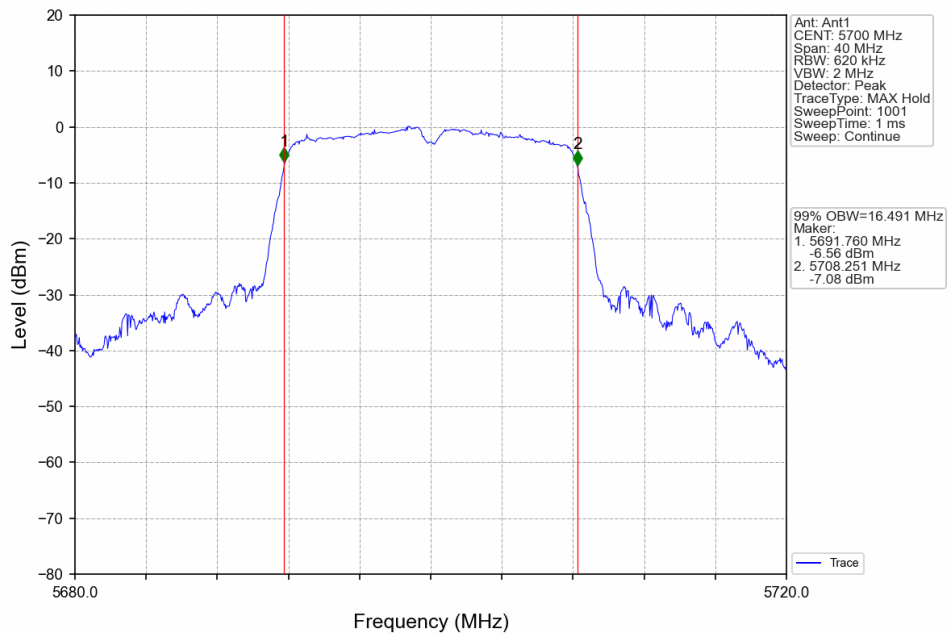
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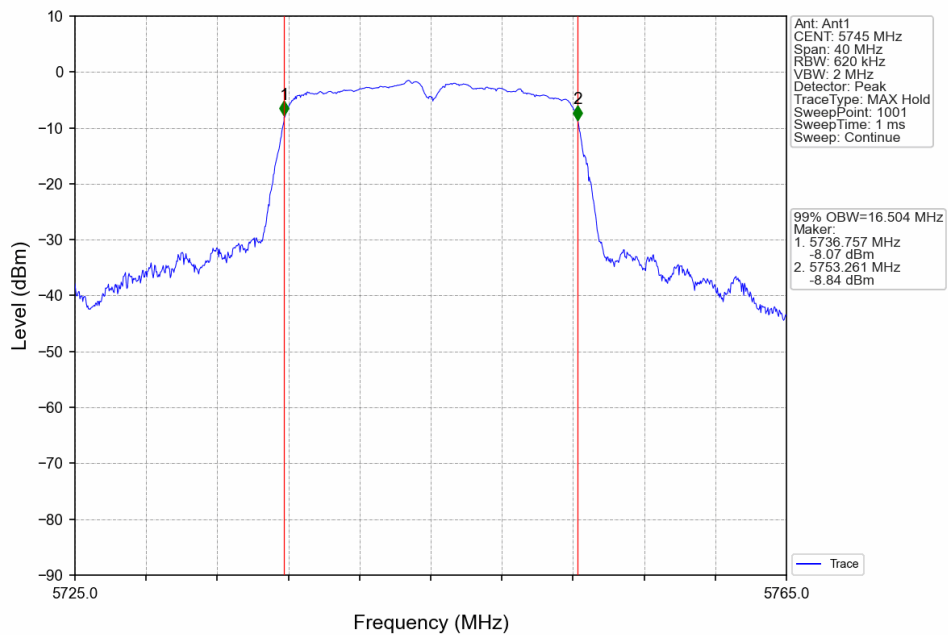
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV

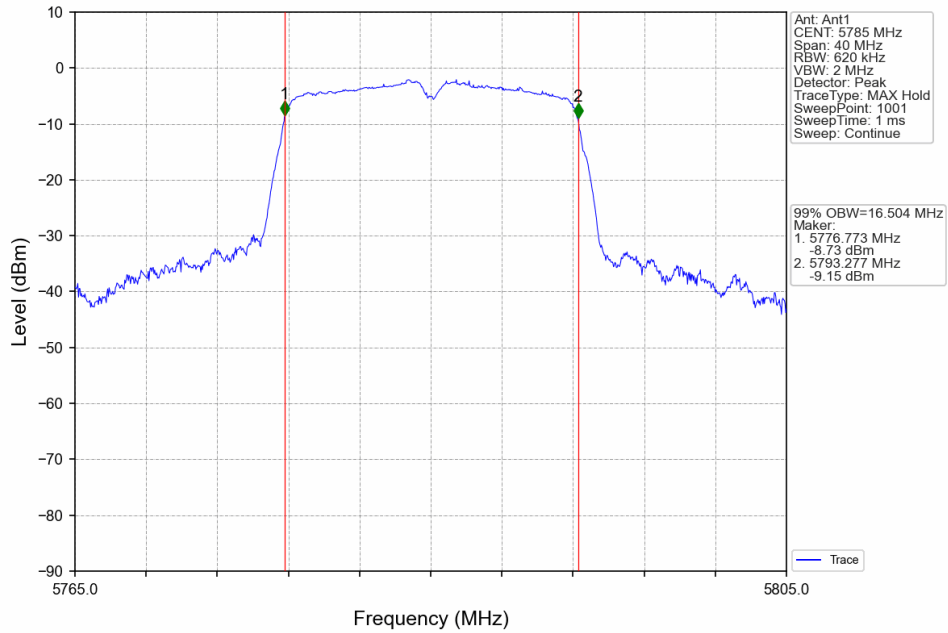


802.11a\_LCH\_5745MHz\_Ant1\_NTNV

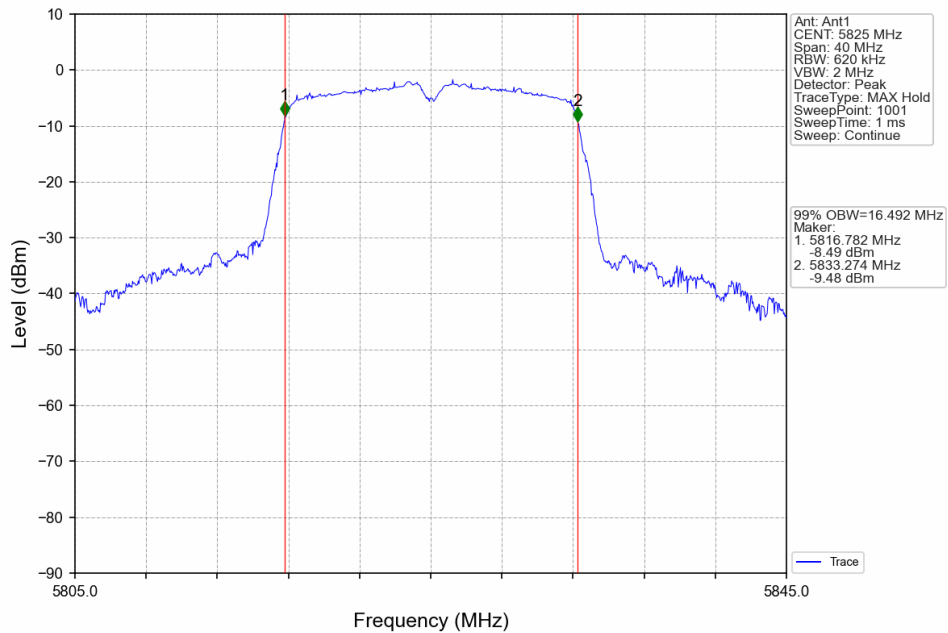




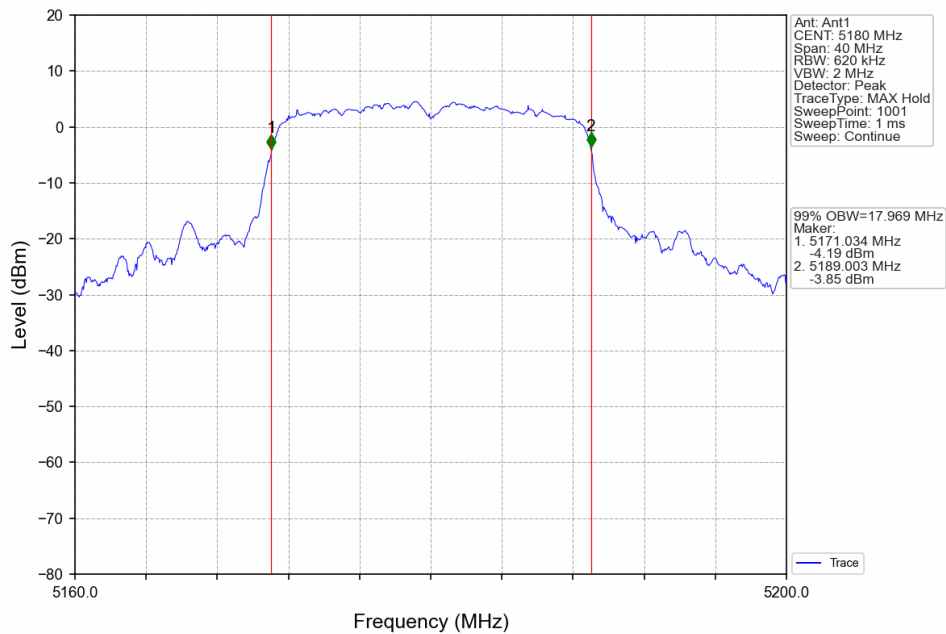
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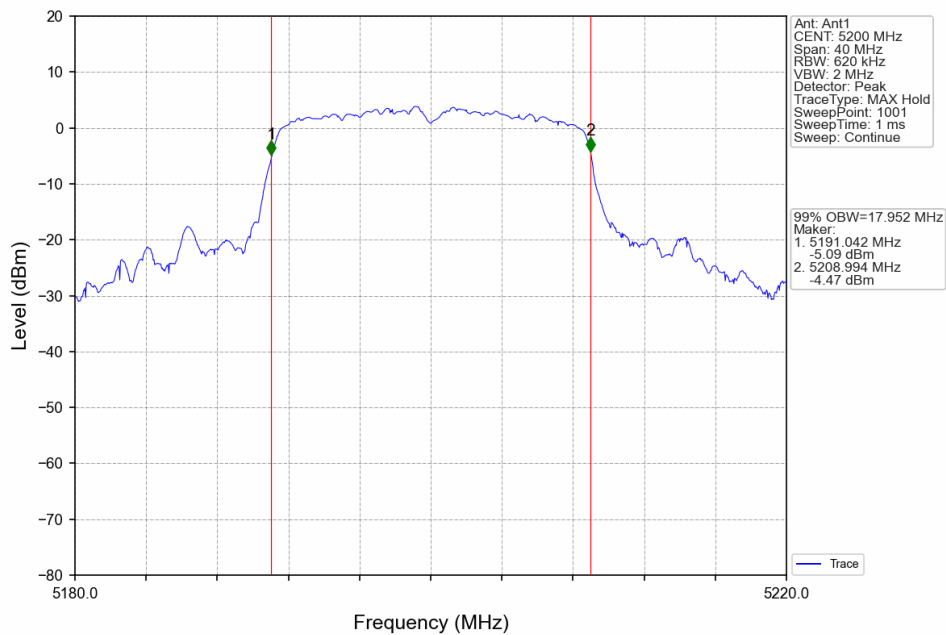
### 802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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



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



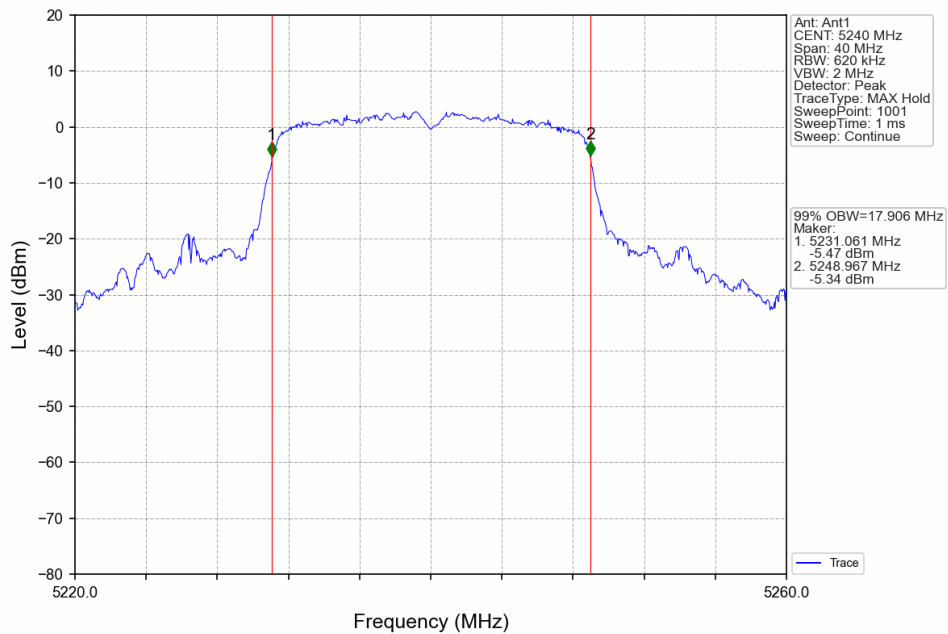
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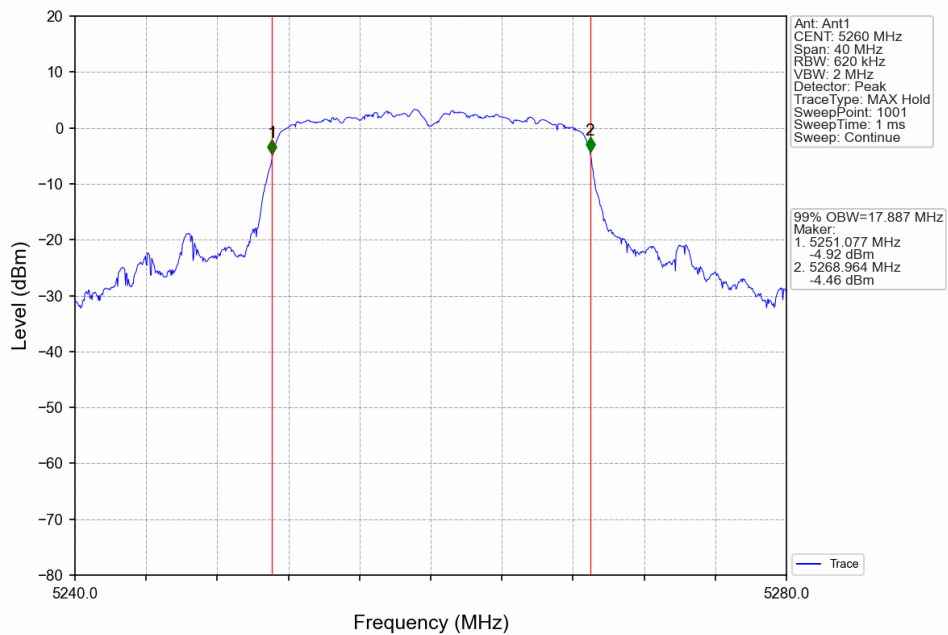
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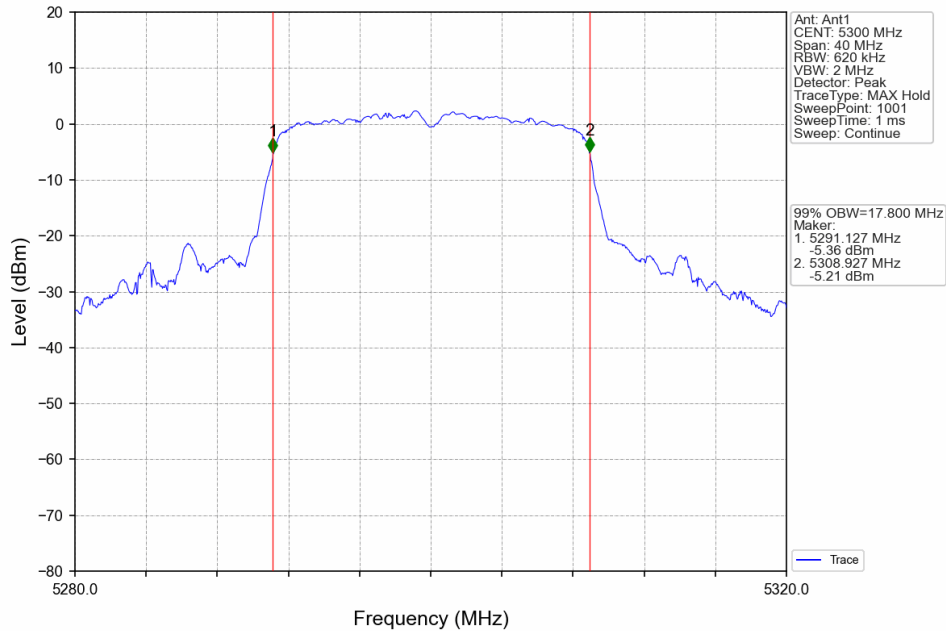
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



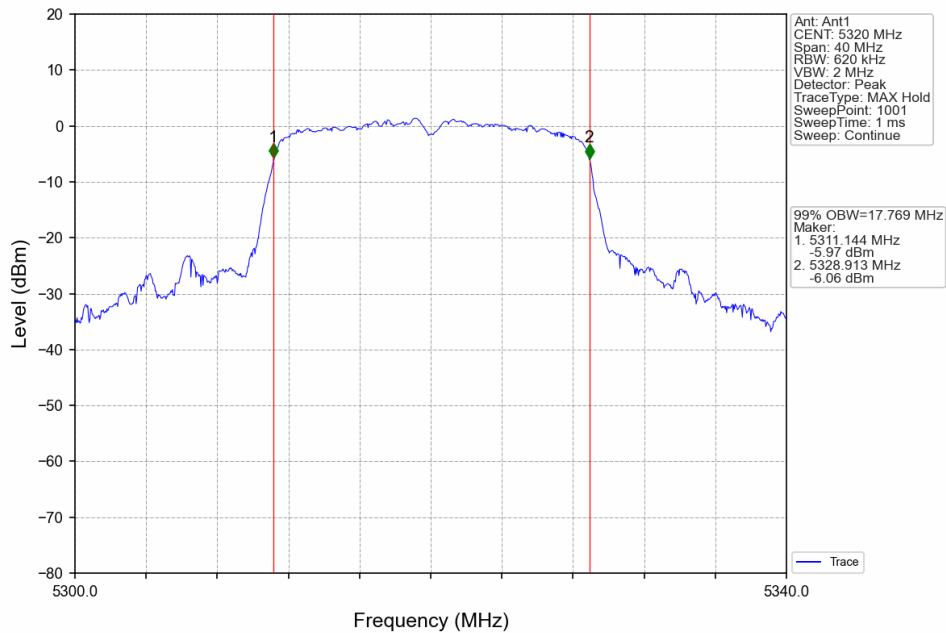
802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



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



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



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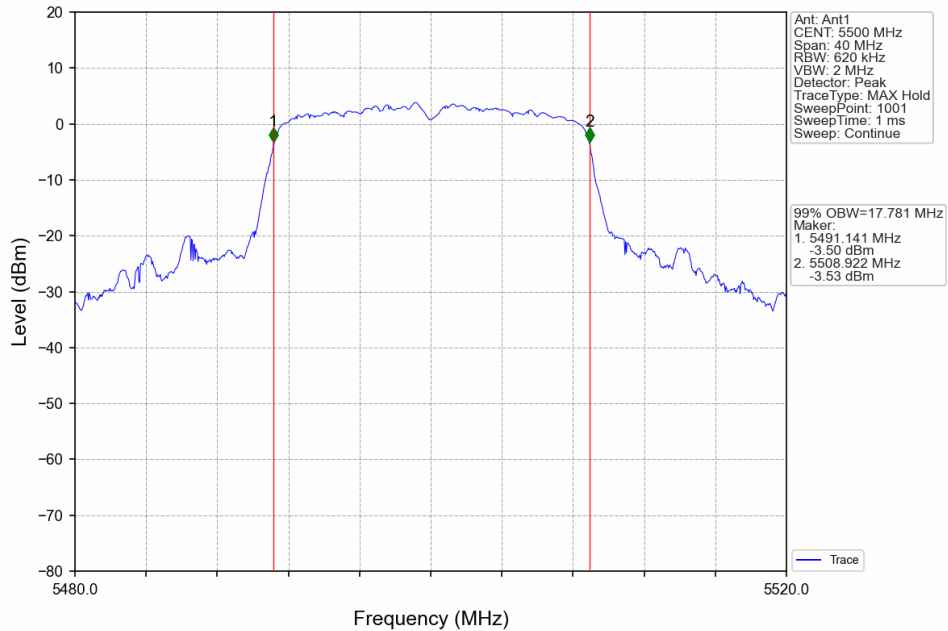
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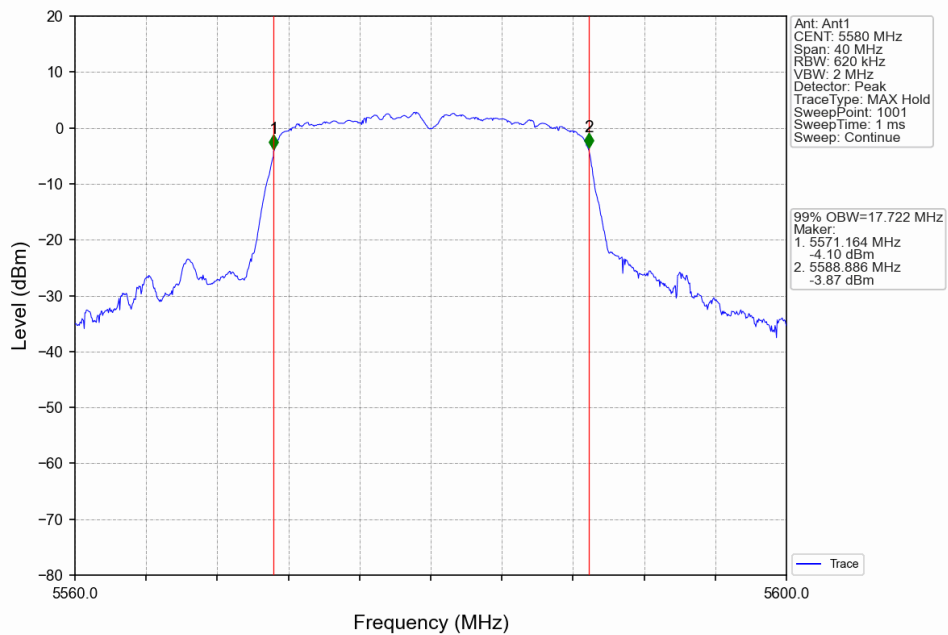
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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV

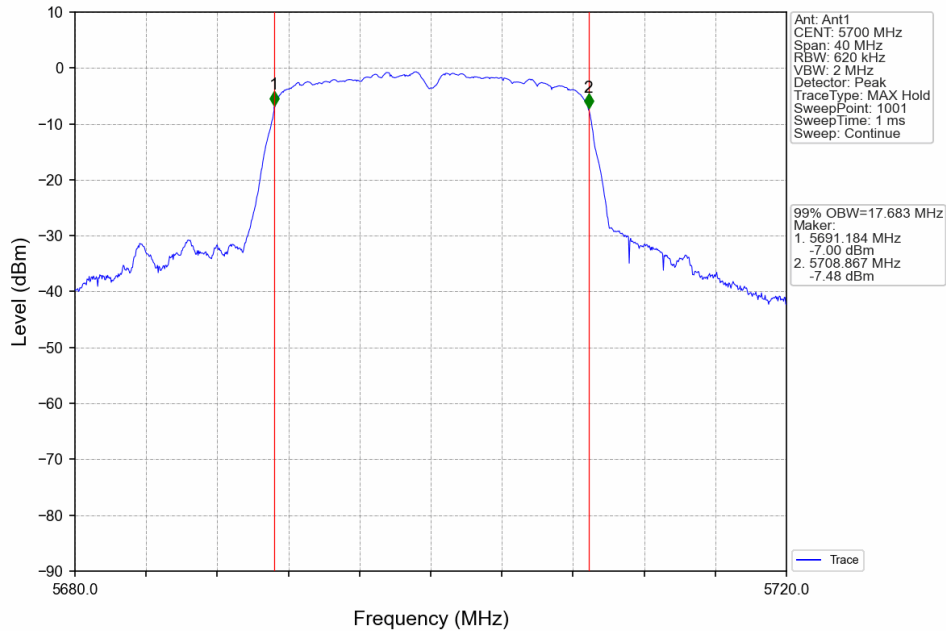


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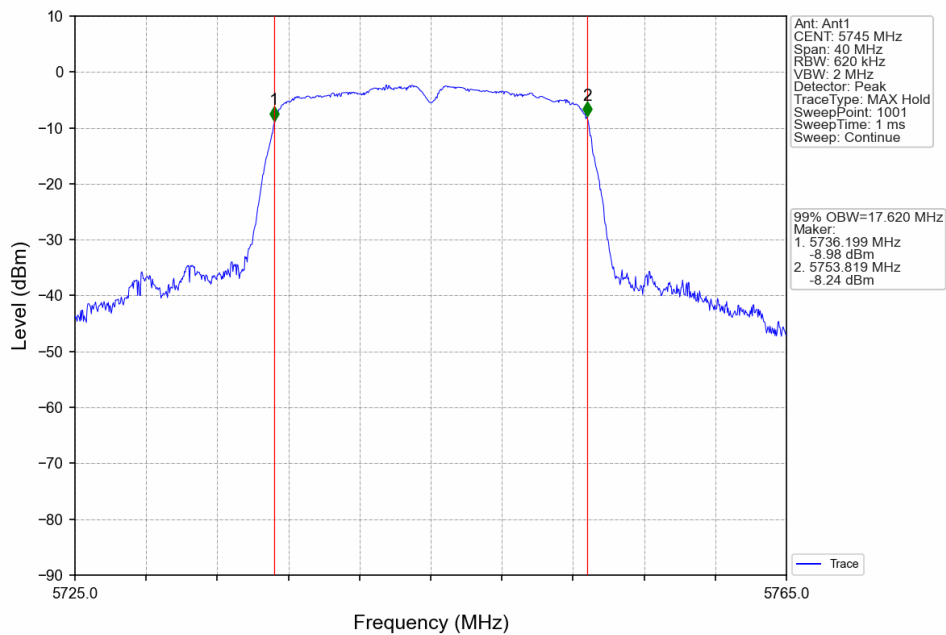




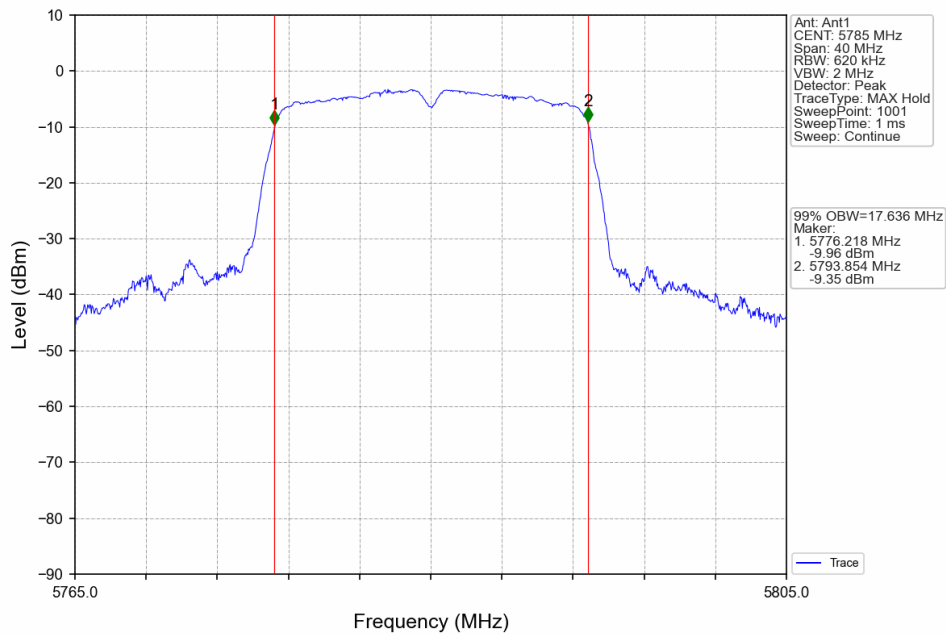
802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



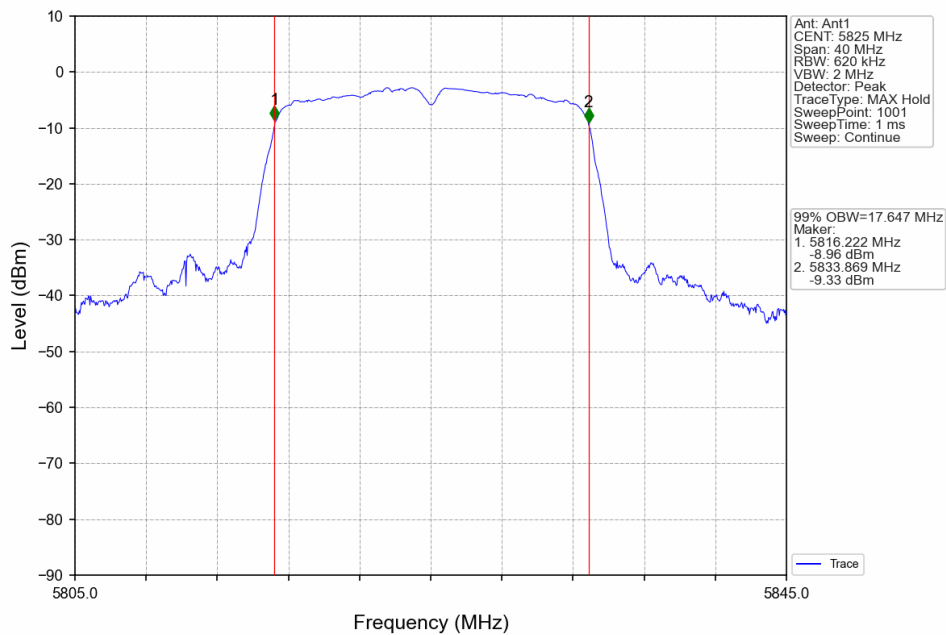
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



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



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



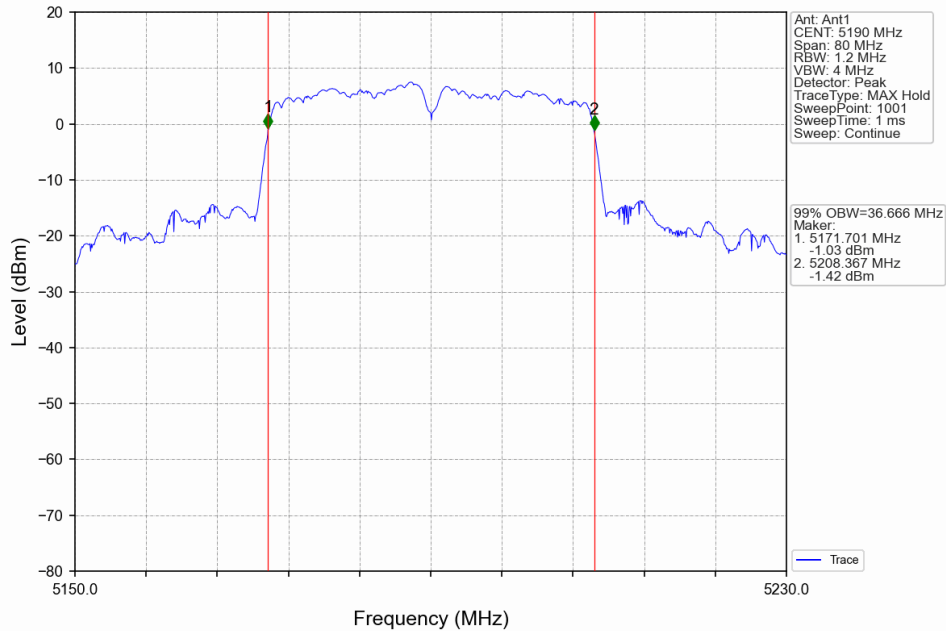
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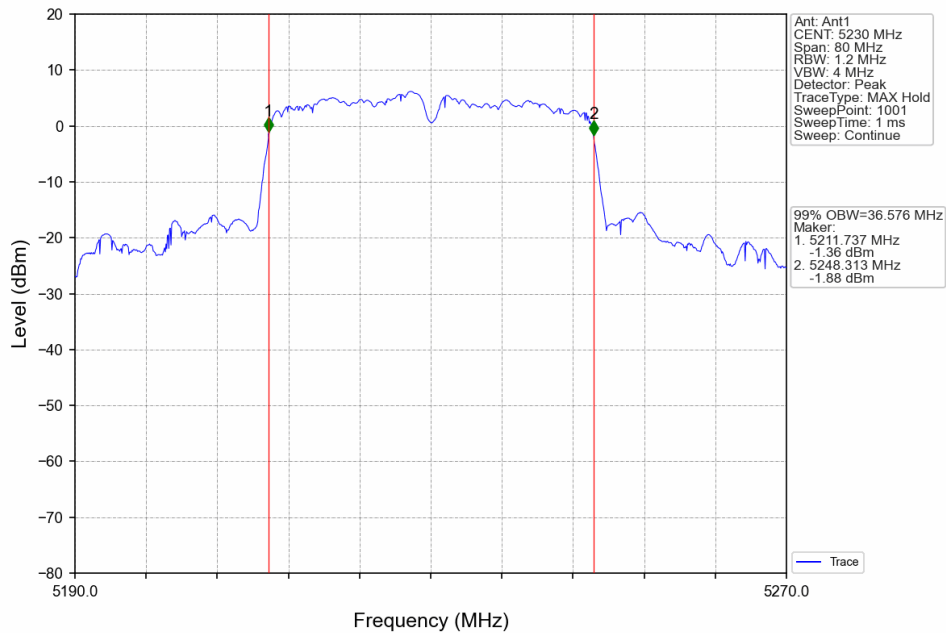
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



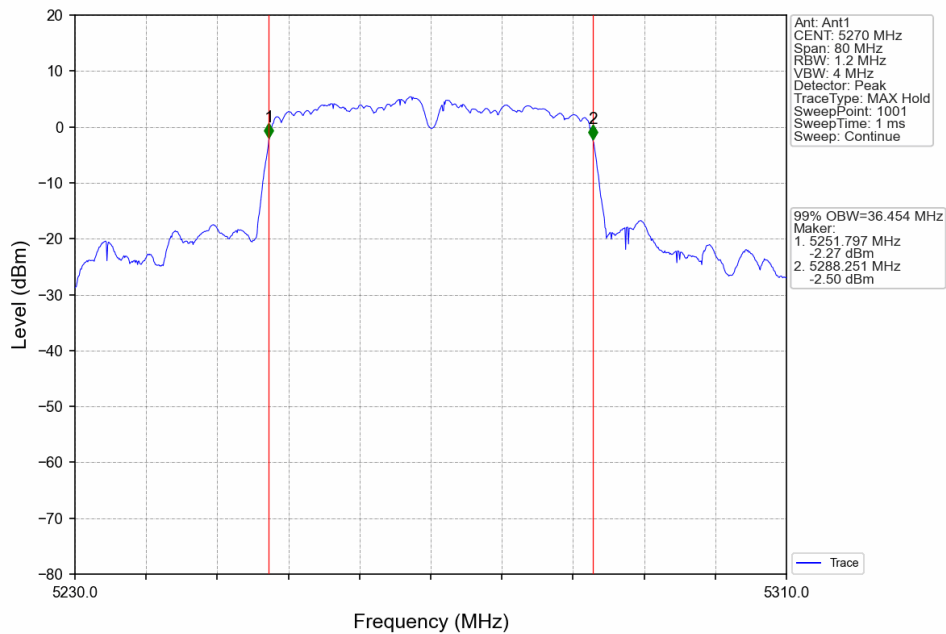
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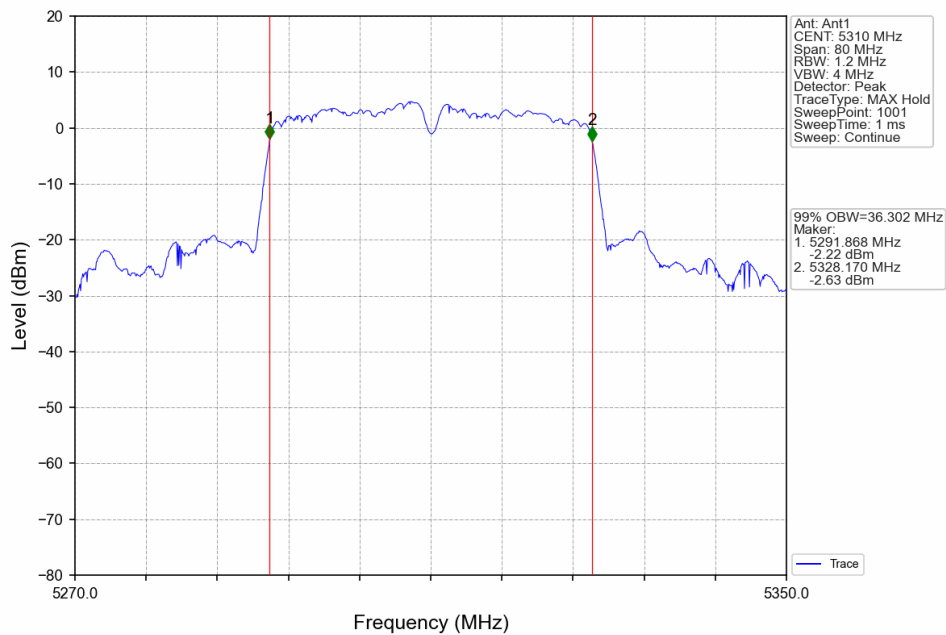
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802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV

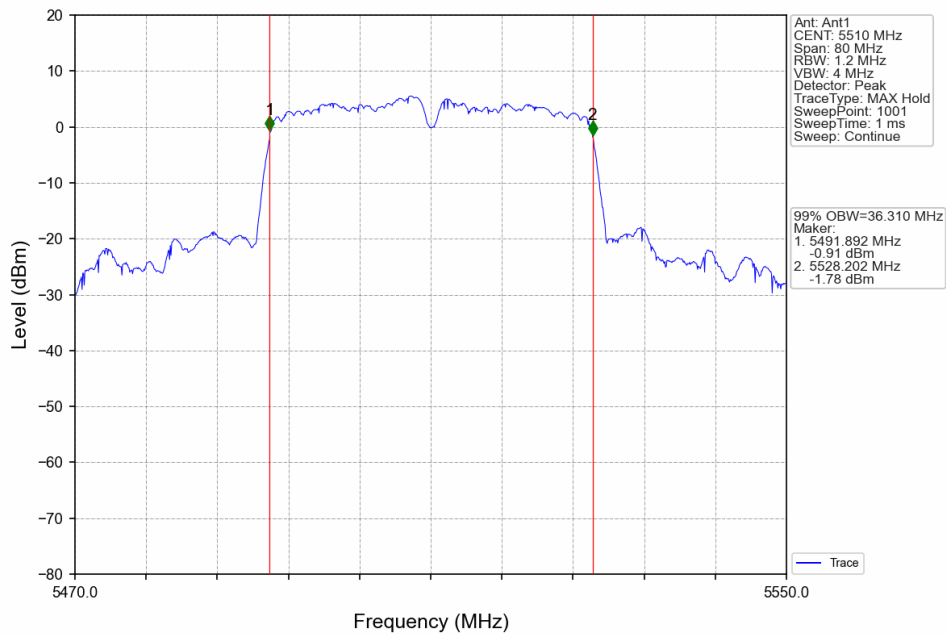


802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV

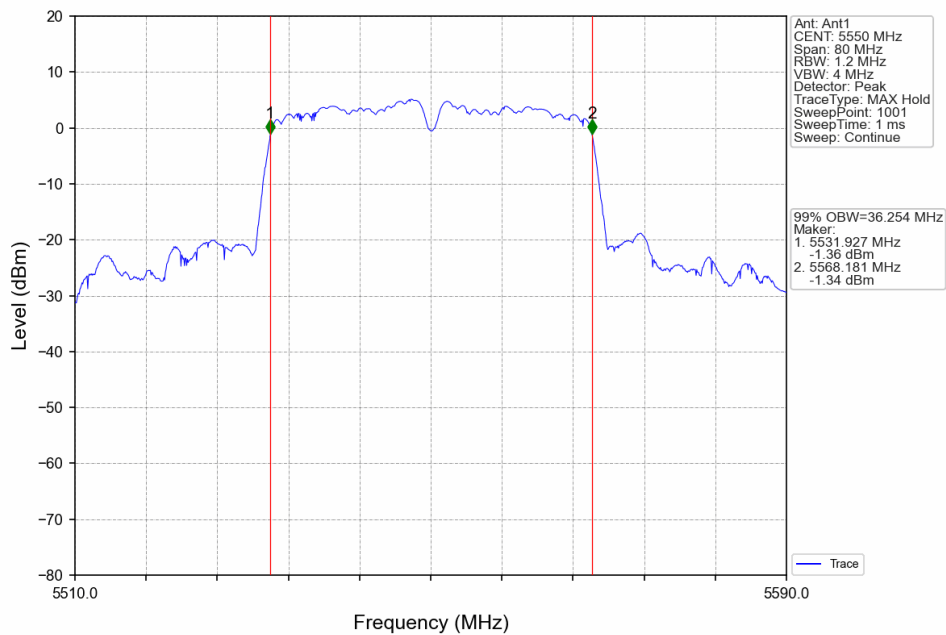




802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV

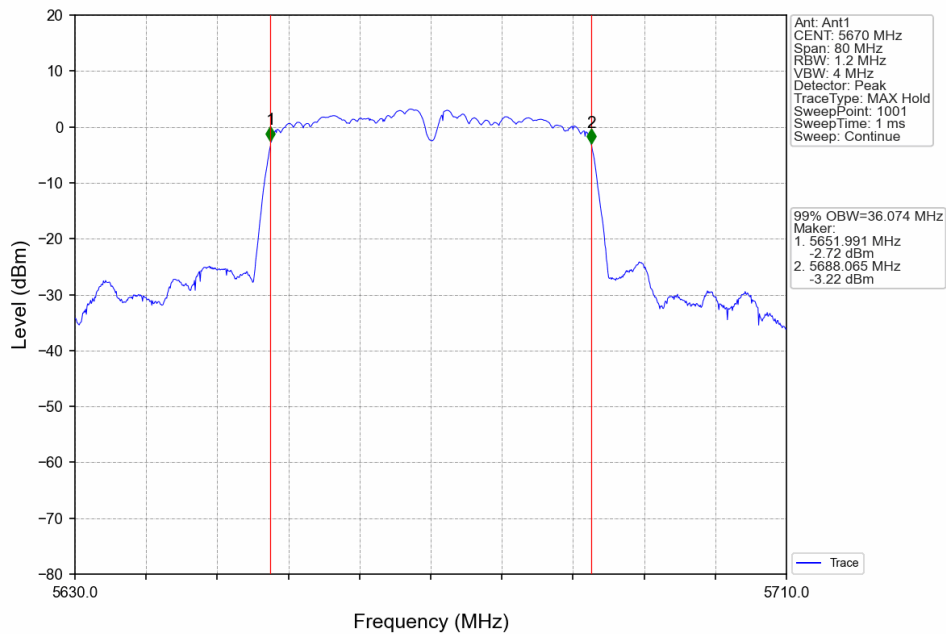


802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV

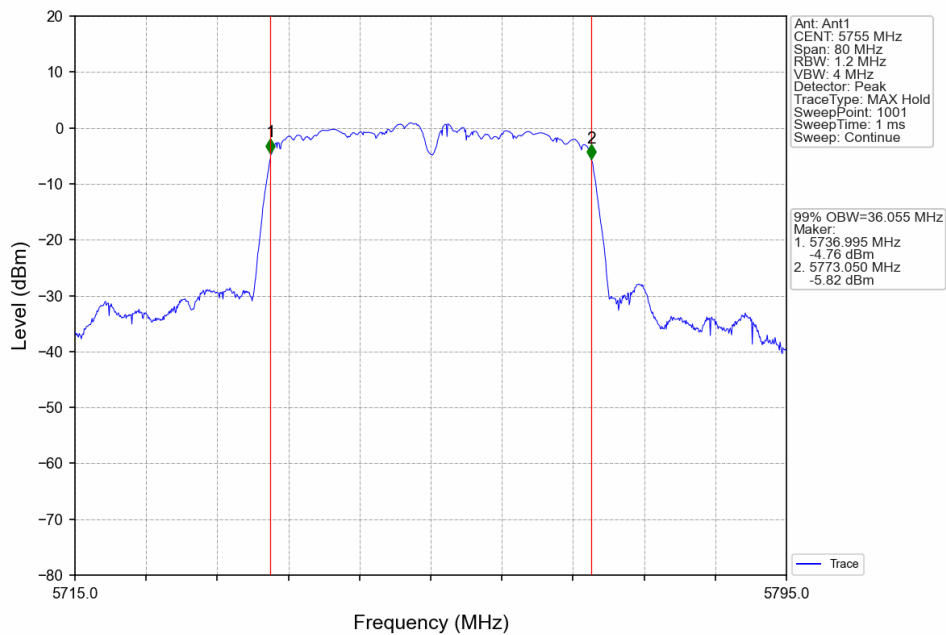




802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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



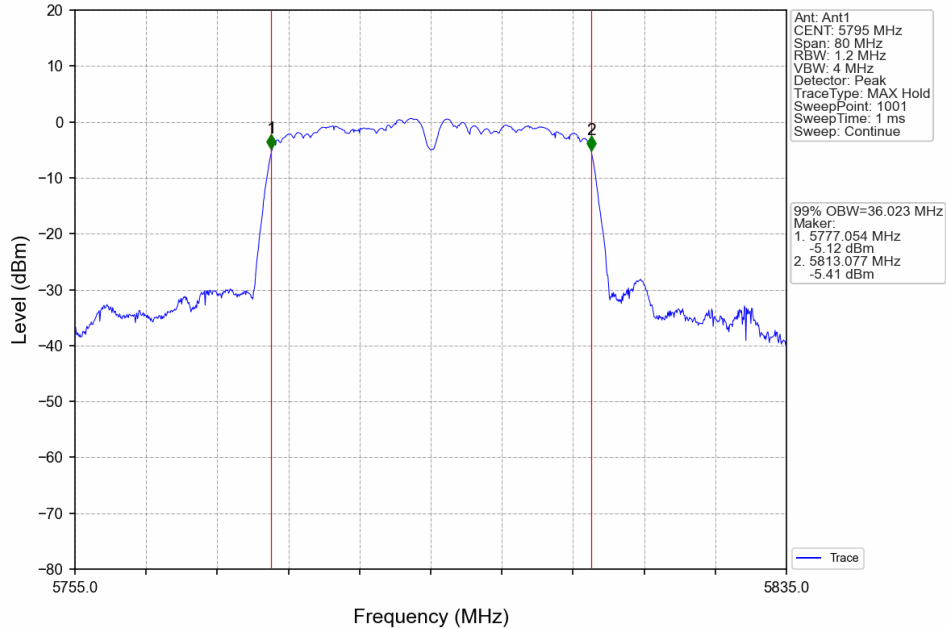
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### 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231200413010

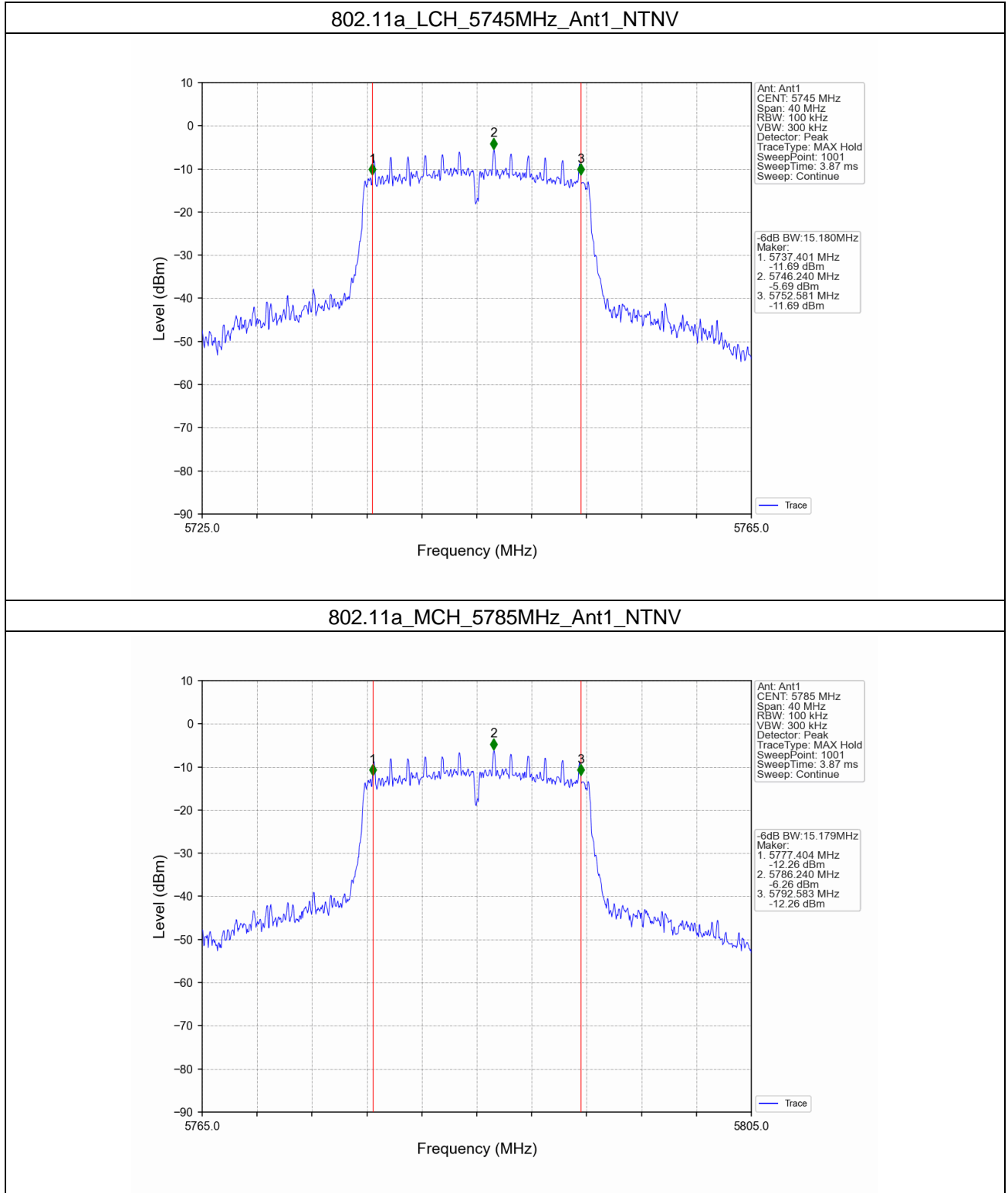
Page: 240 of 292

## 2.2 6dB BW

### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.180	$\geq 0.5$	Pass
		5785	1	15.179	$\geq 0.5$	Pass
		5825	1	15.177	$\geq 0.5$	Pass
802.11n (HT20)	SISO	5745	1	15.185	$\geq 0.5$	Pass
		5785	1	15.182	$\geq 0.5$	Pass
		5825	1	15.181	$\geq 0.5$	Pass
802.11n (HT40)	SISO	5755	1	35.161	$\geq 0.5$	Pass
		5795	1	35.167	$\geq 0.5$	Pass

### 2.2.2 Test Graph



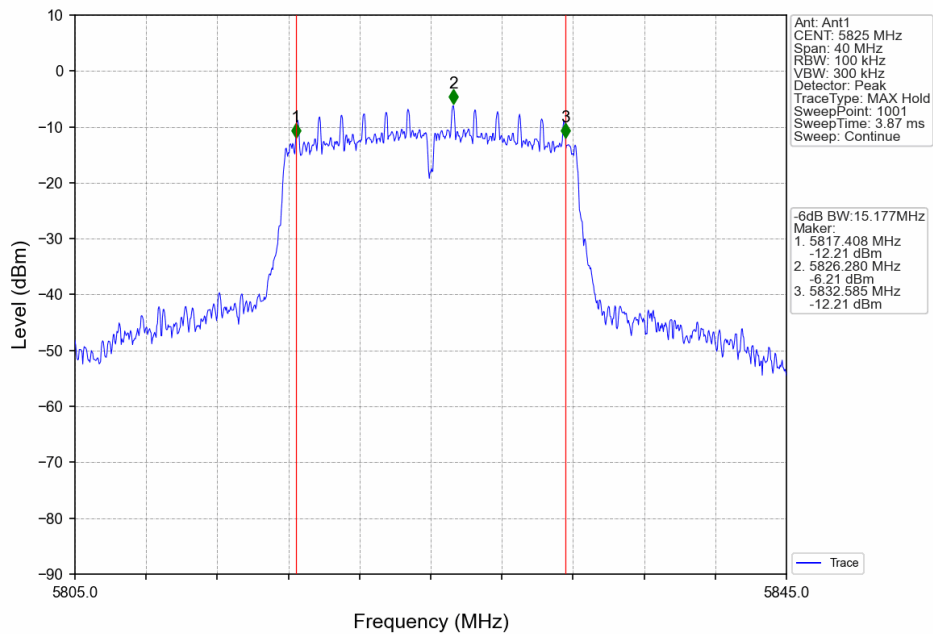
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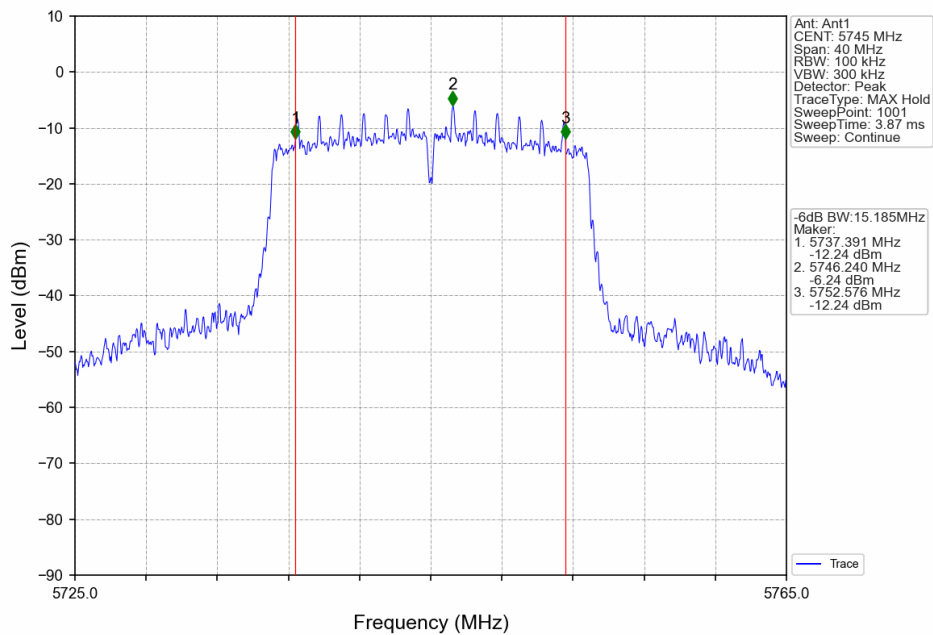
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



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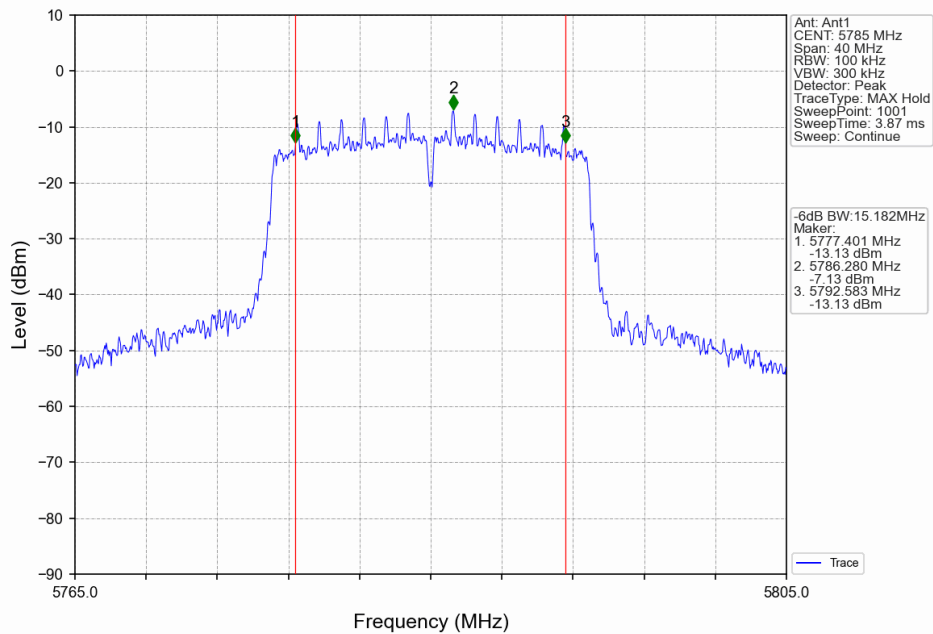
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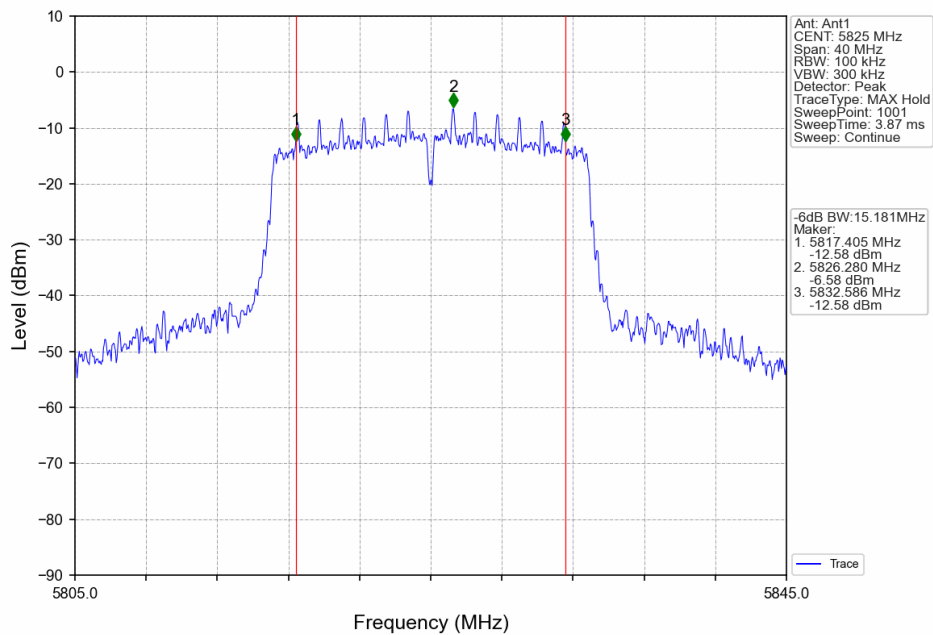
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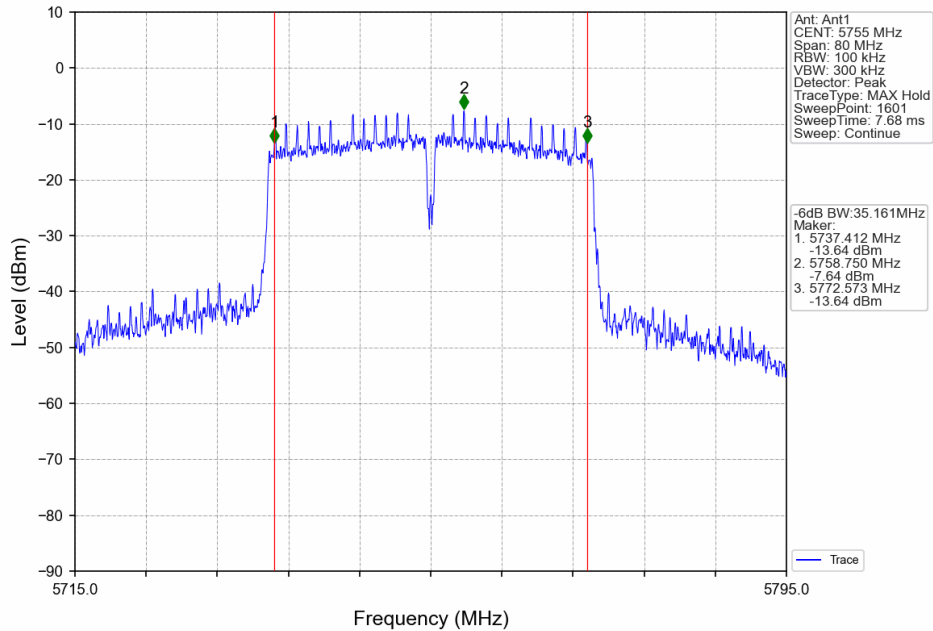
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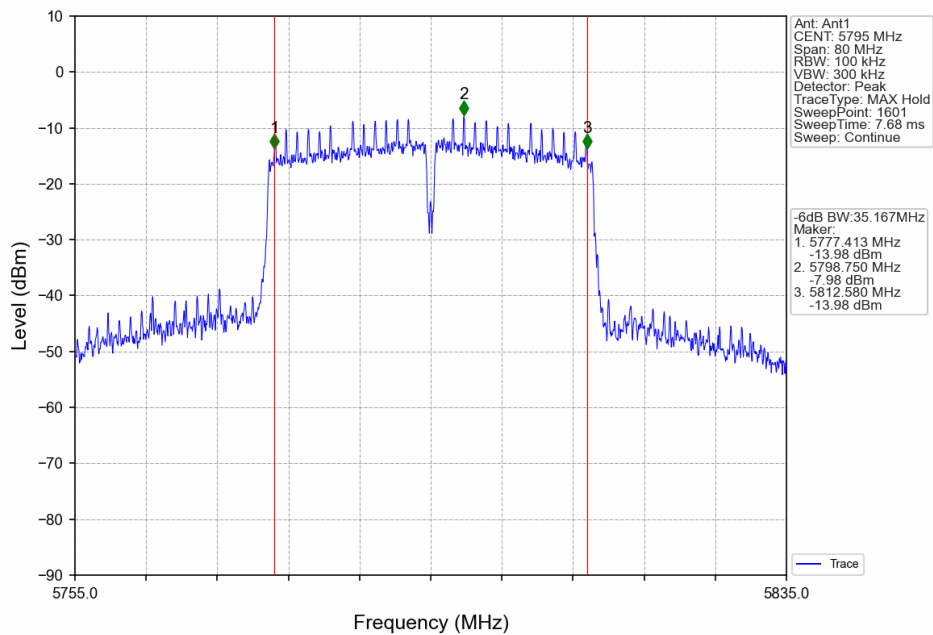
### 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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



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



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231200413010

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### 2.3 26dB BW

#### 2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.779	/	Pass
		5200	1	26.344	/	Pass
		5240	1	24.263	/	Pass
		5260	1	23.492	/	Pass
		5300	1	20.658	/	Pass
		5320	1	18.815	/	Pass
		5500	1	22.488	/	Pass
		5580	1	18.255	/	Pass
		5700	1	17.966	/	Pass
802.11n (HT20)	SISO	5180	1	24.979	/	Pass
		5200	1	24.914	/	Pass
		5240	1	24.155	/	Pass
		5260	1	24.110	/	Pass
		5300	1	20.151	/	Pass
		5320	1	19.145	/	Pass
		5500	1	19.738	/	Pass
		5580	1	19.168	/	Pass
		5700	1	19.071	/	Pass
802.11n (HT40)	SISO	5190	1	66.027	/	Pass
		5230	1	60.593	/	Pass
		5270	1	60.538	/	Pass
		5310	1	53.442	/	Pass
		5510	1	53.229	/	Pass
		5550	1	48.734	/	Pass
		5670	1	38.344	/	Pass



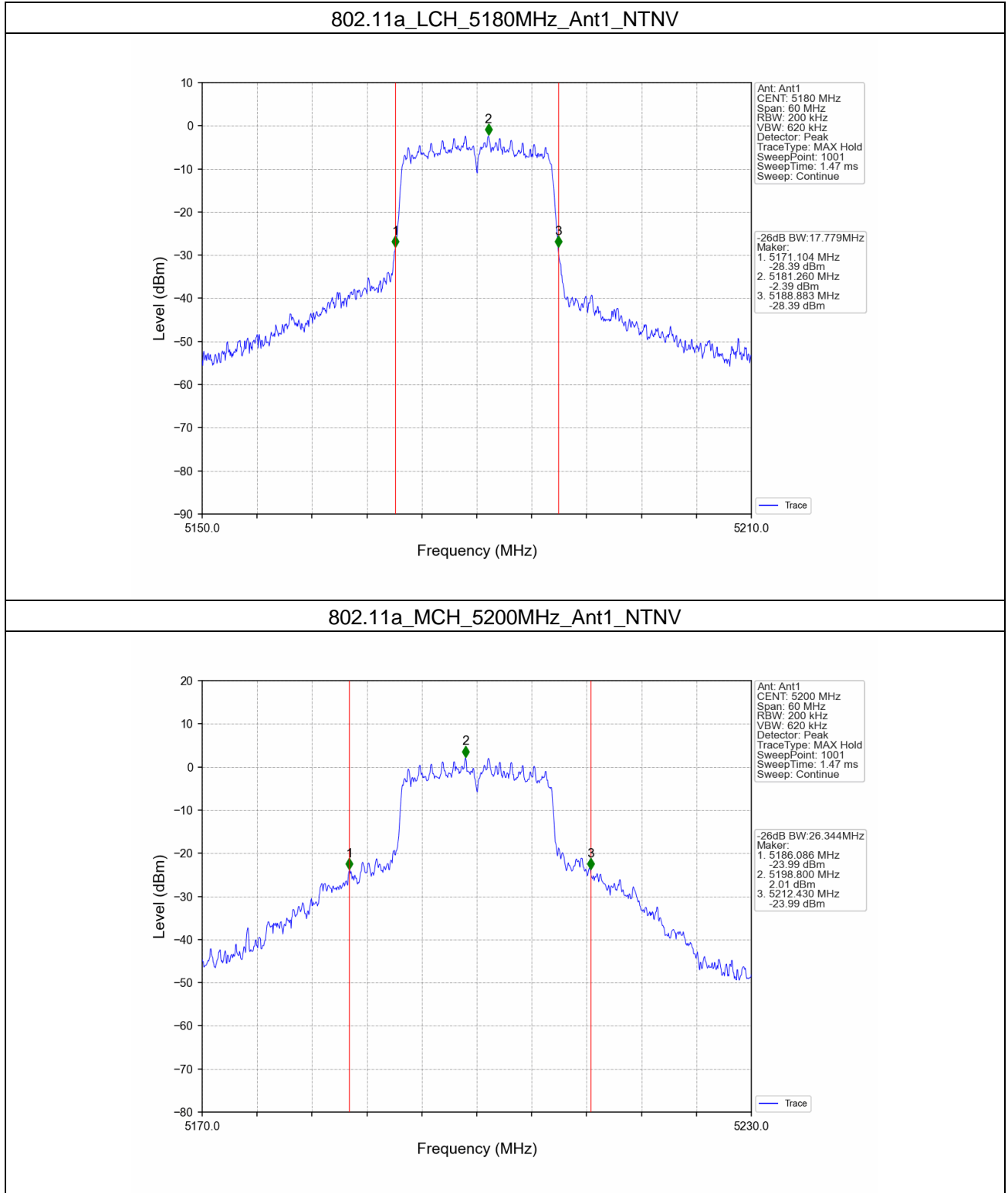
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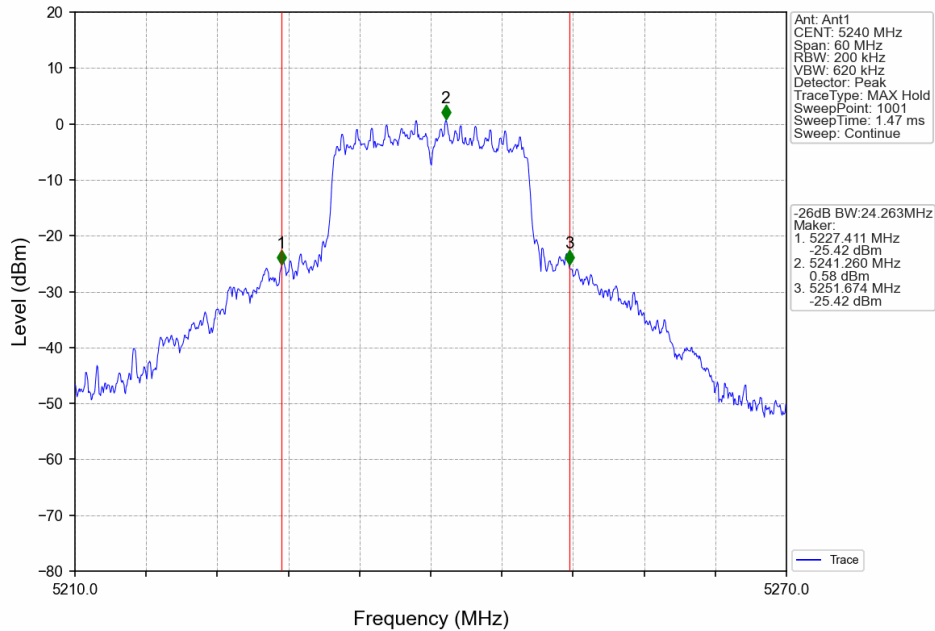
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### 2.3.2 Test Graph

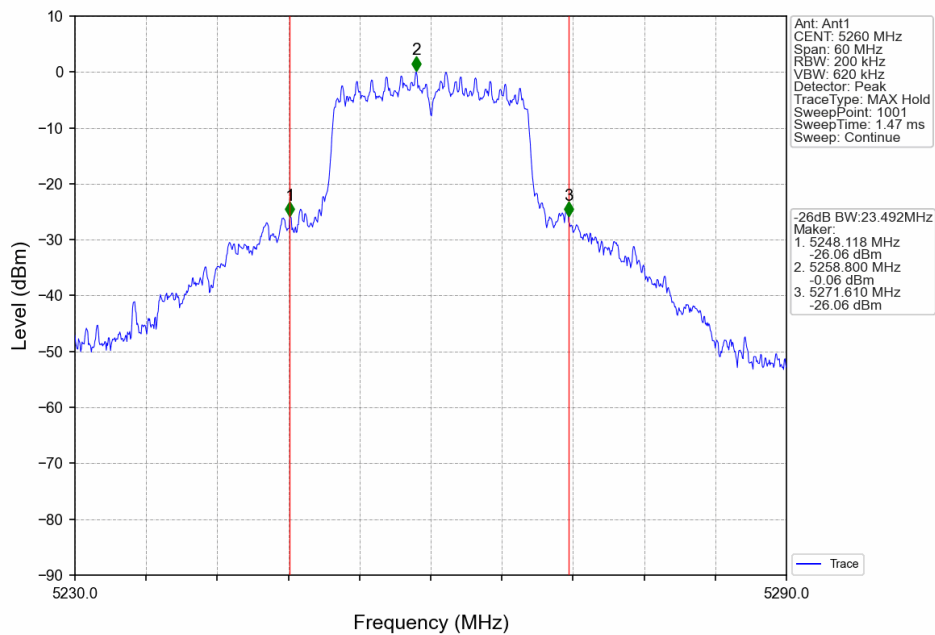




### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



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



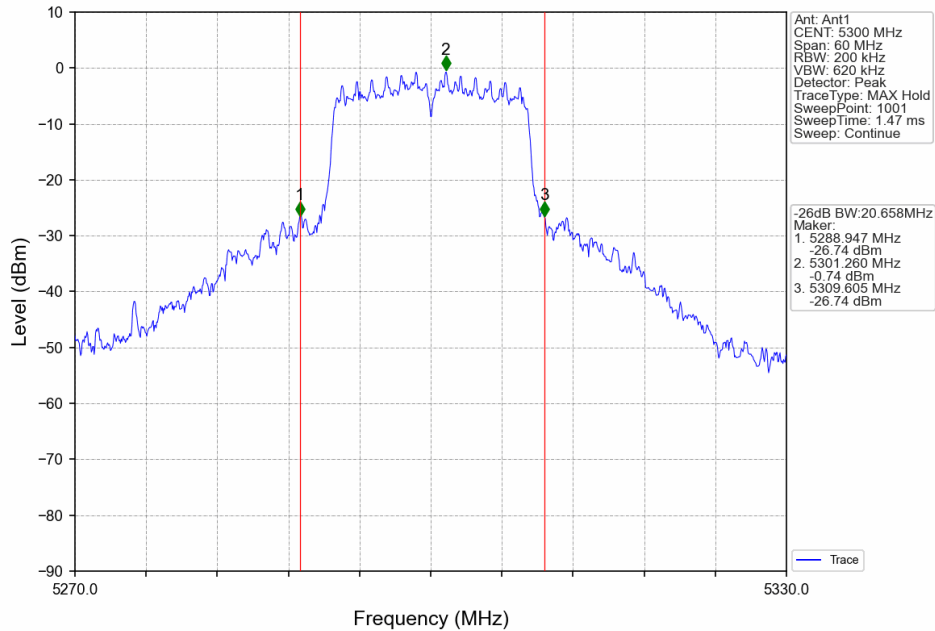
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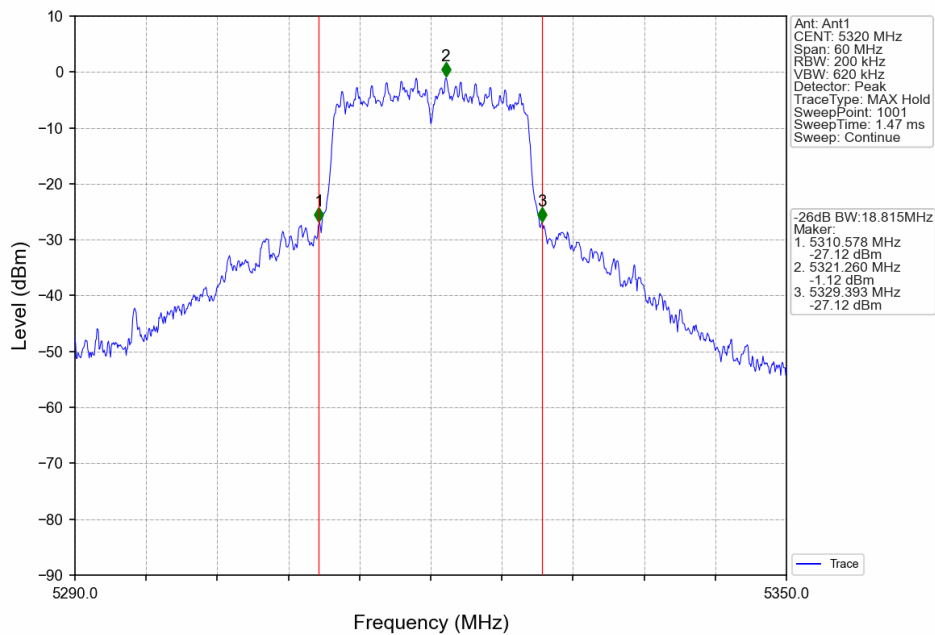
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### 802.11a\_MCH\_5300MHz\_Ant1\_NTNV



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



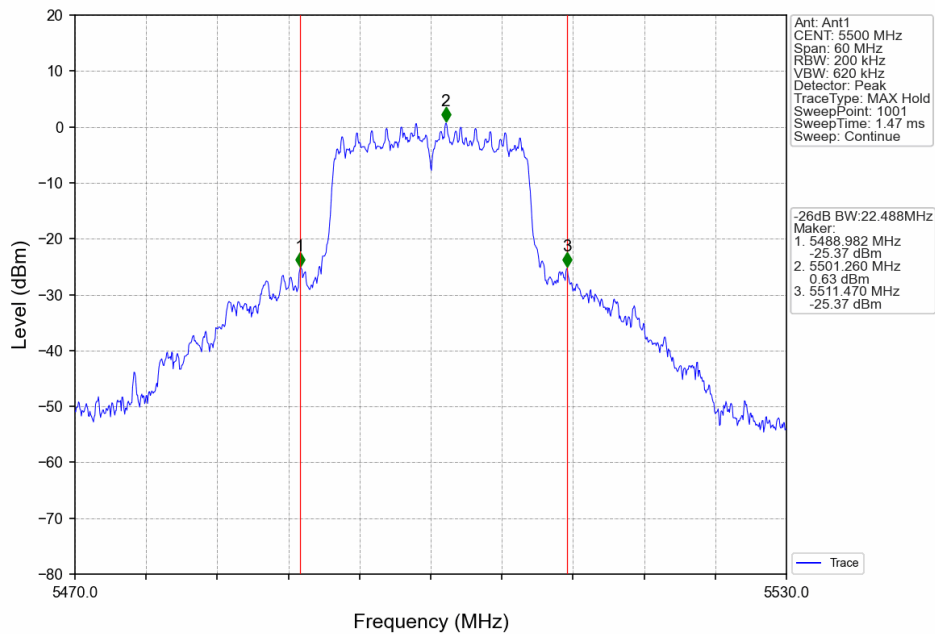
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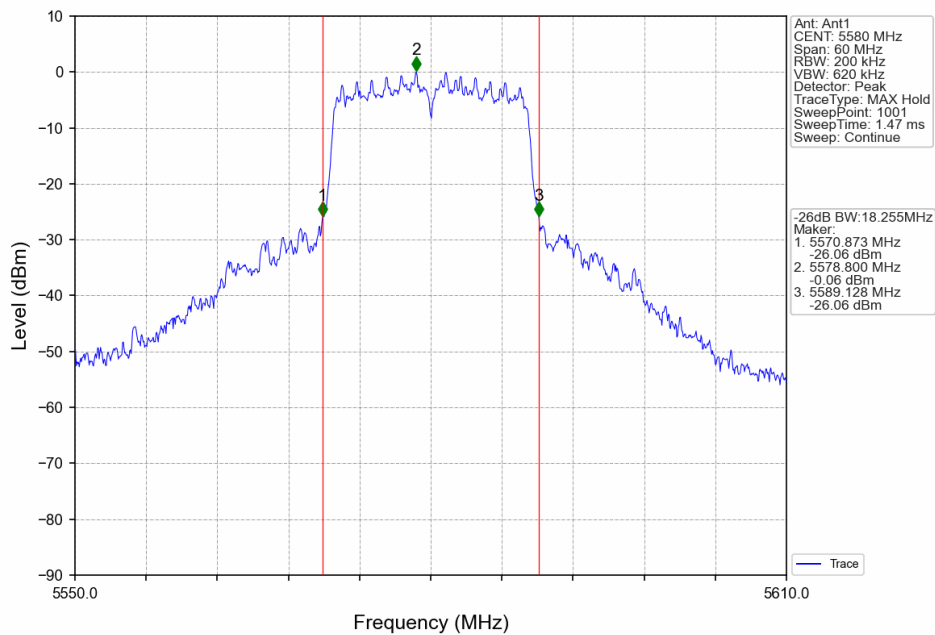
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant1\_NTNV



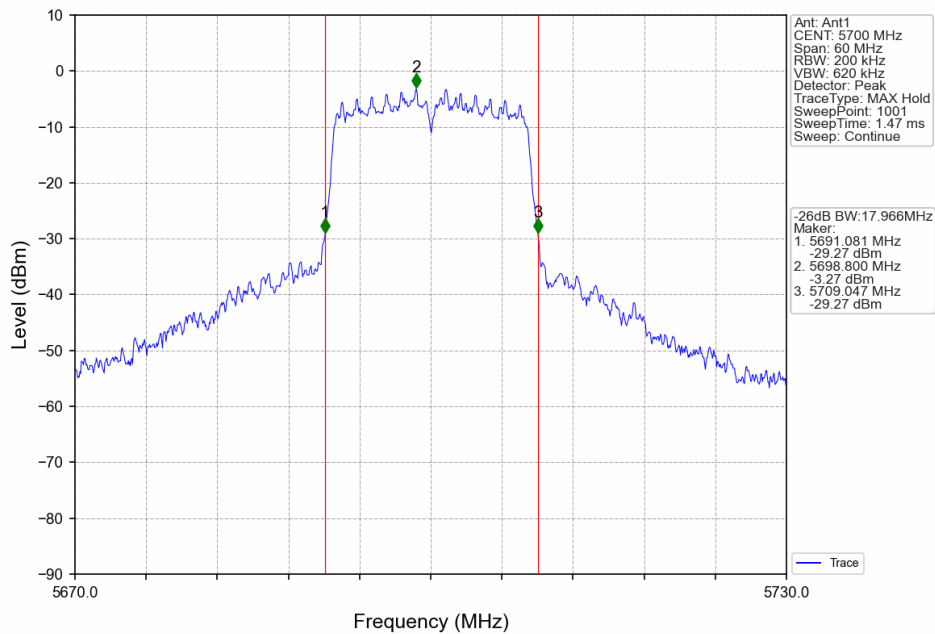
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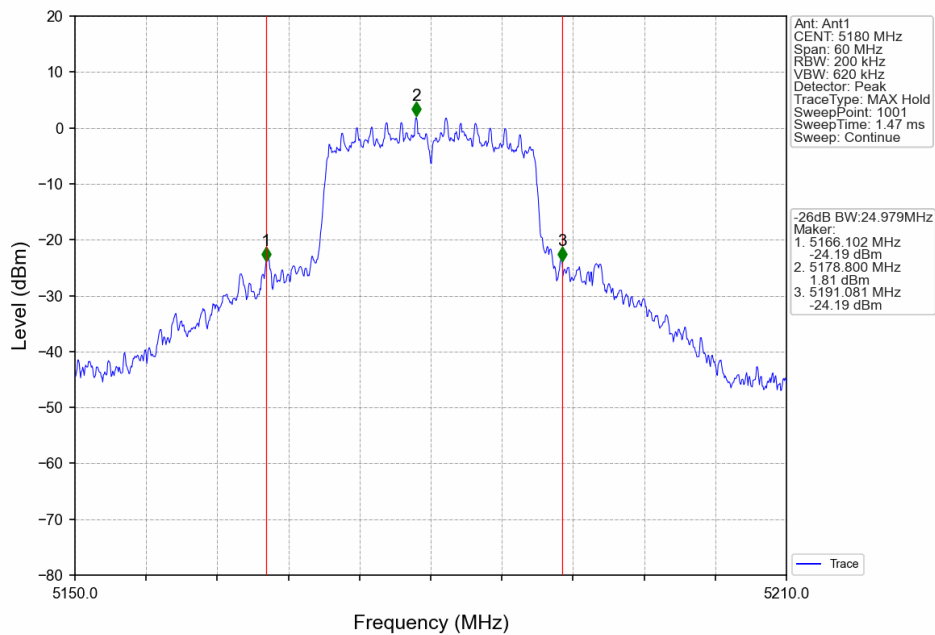
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### 802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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



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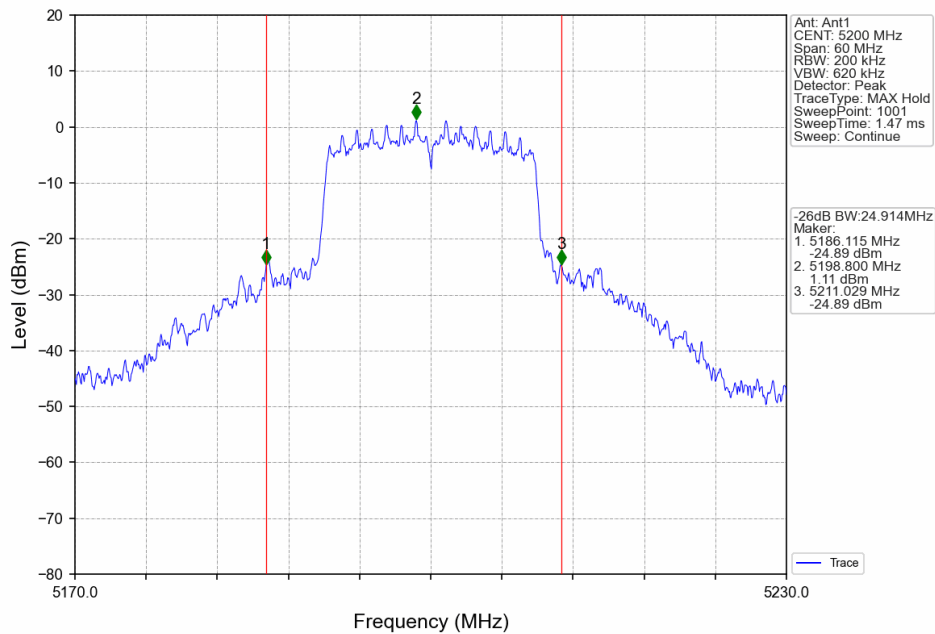
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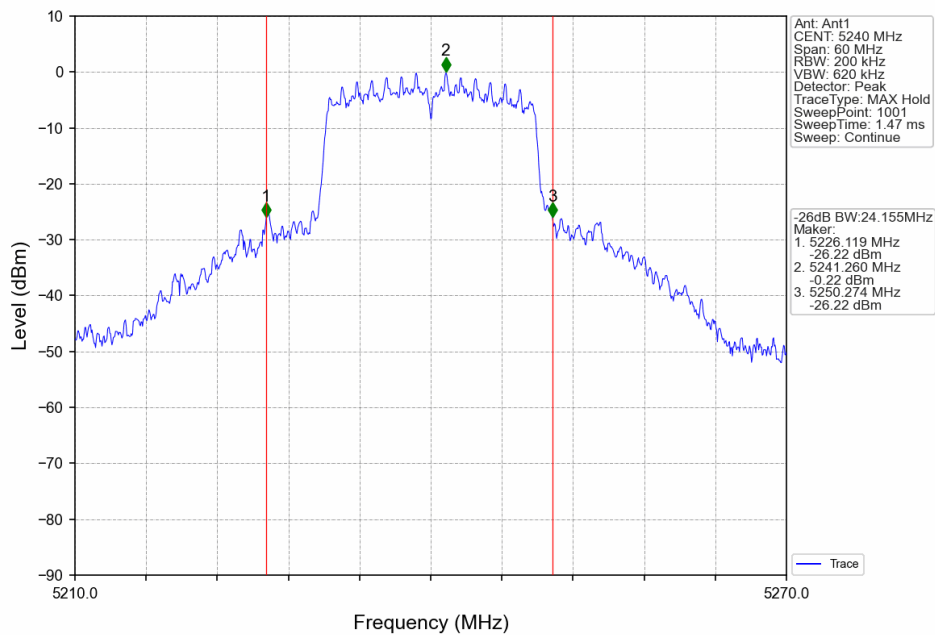
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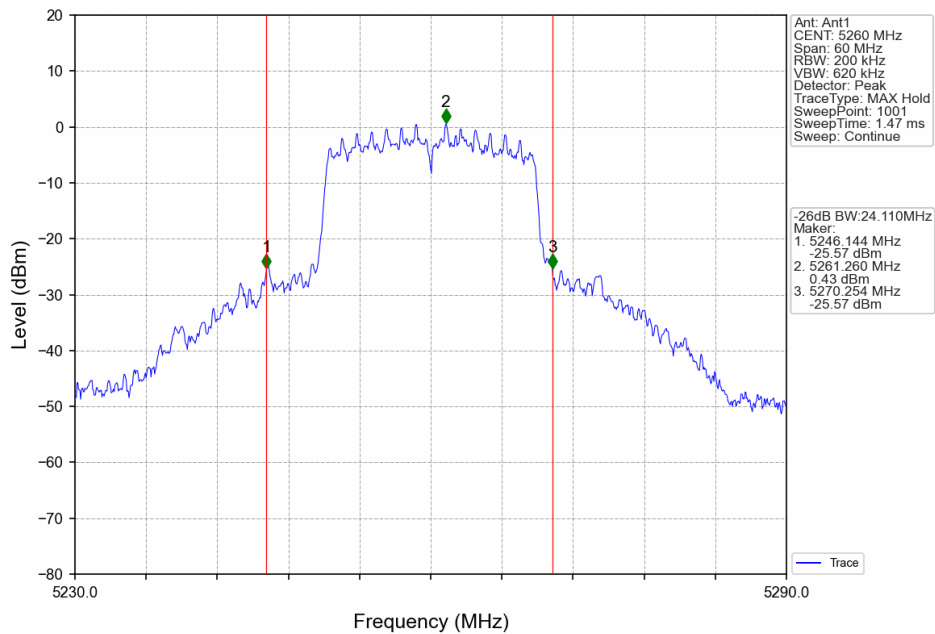


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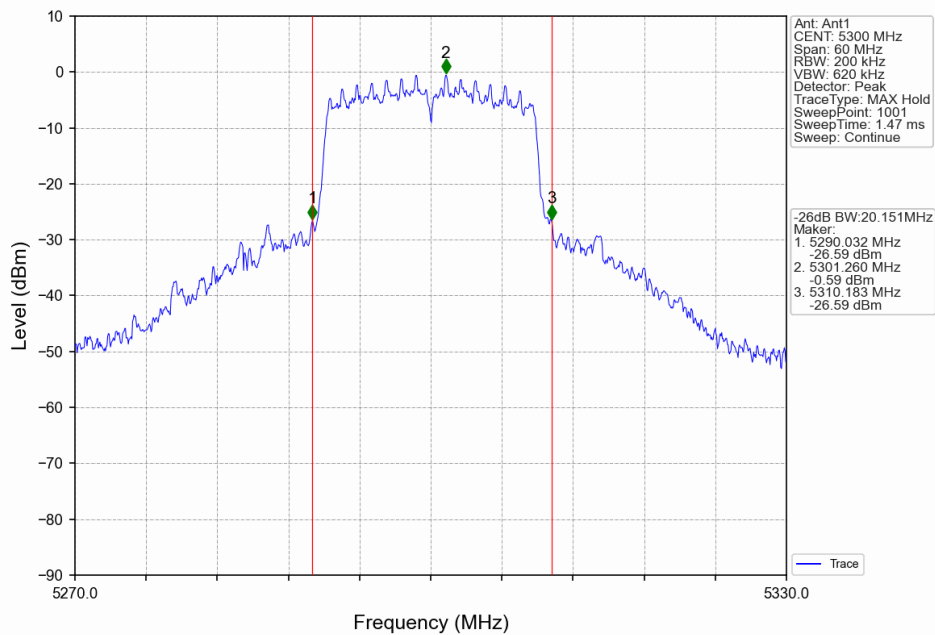




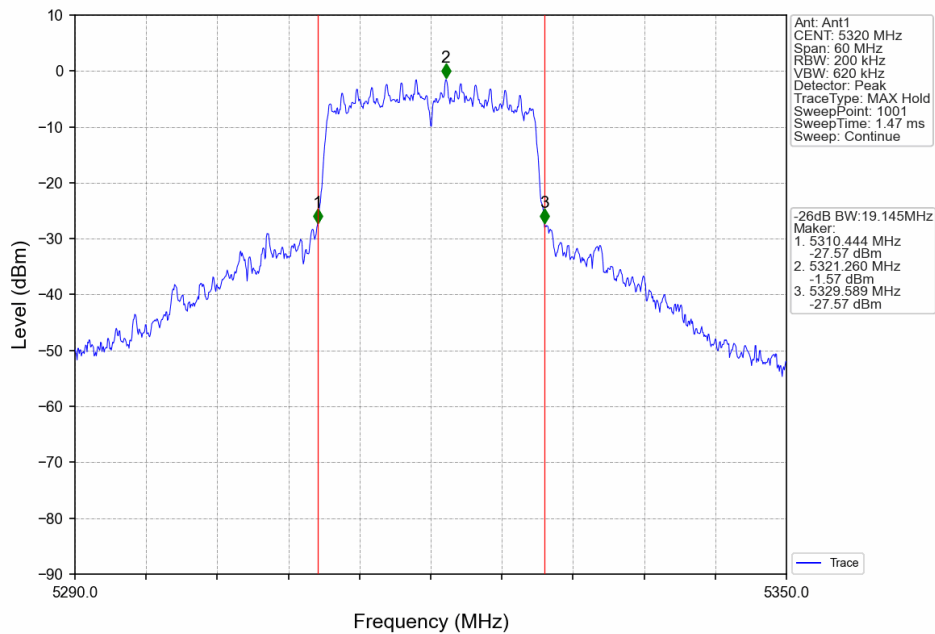
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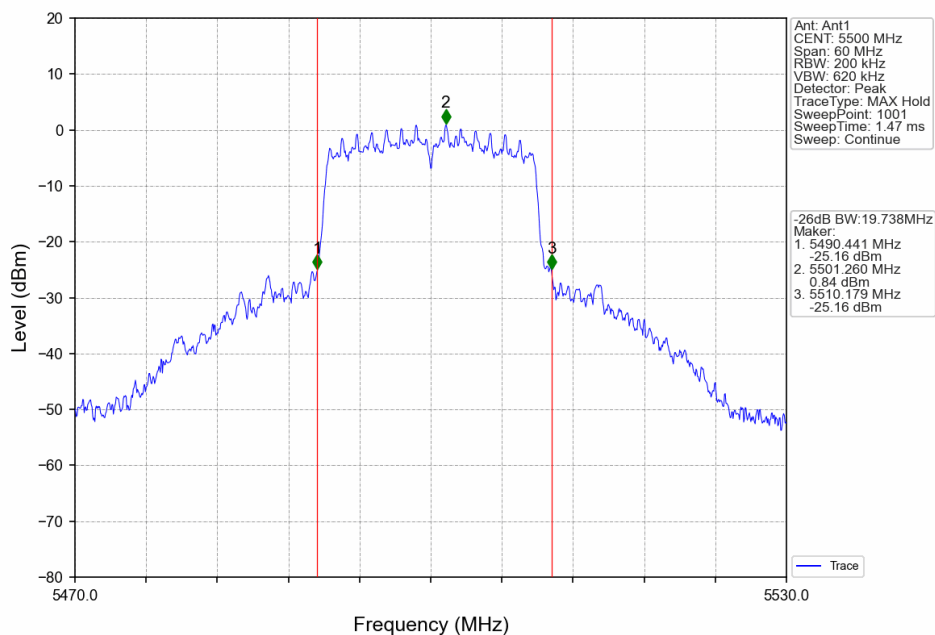
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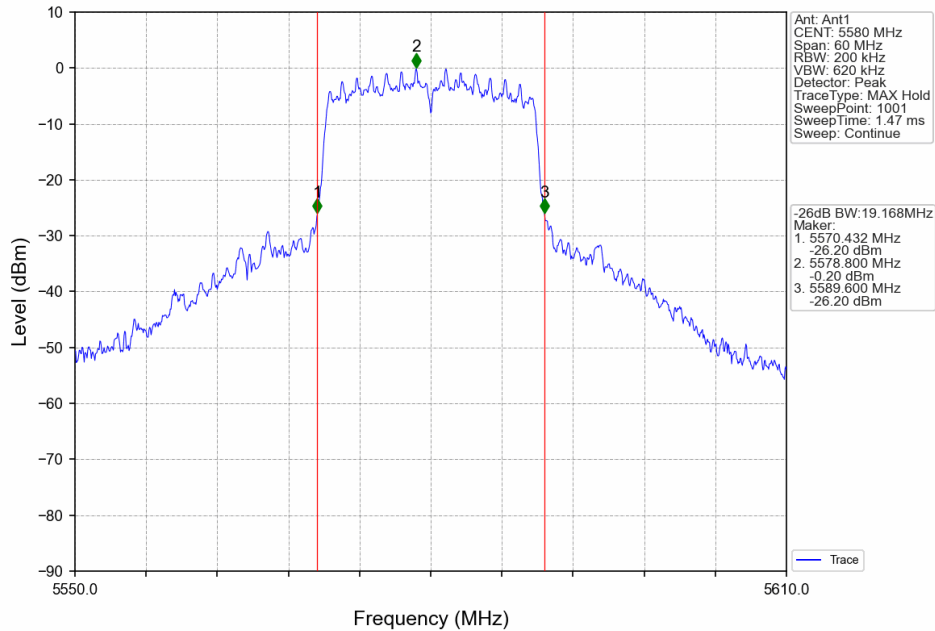
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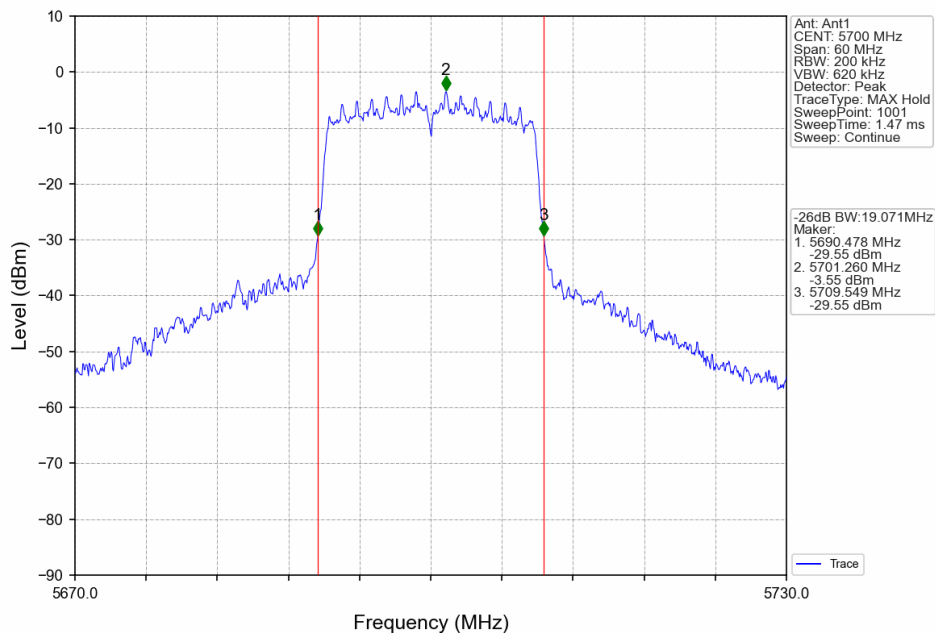
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



### 802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



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



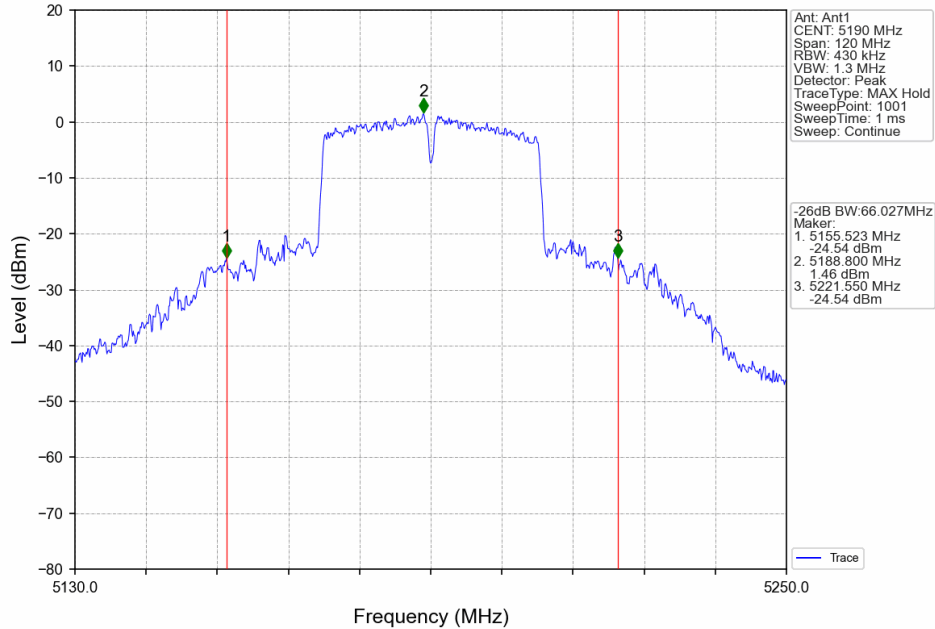
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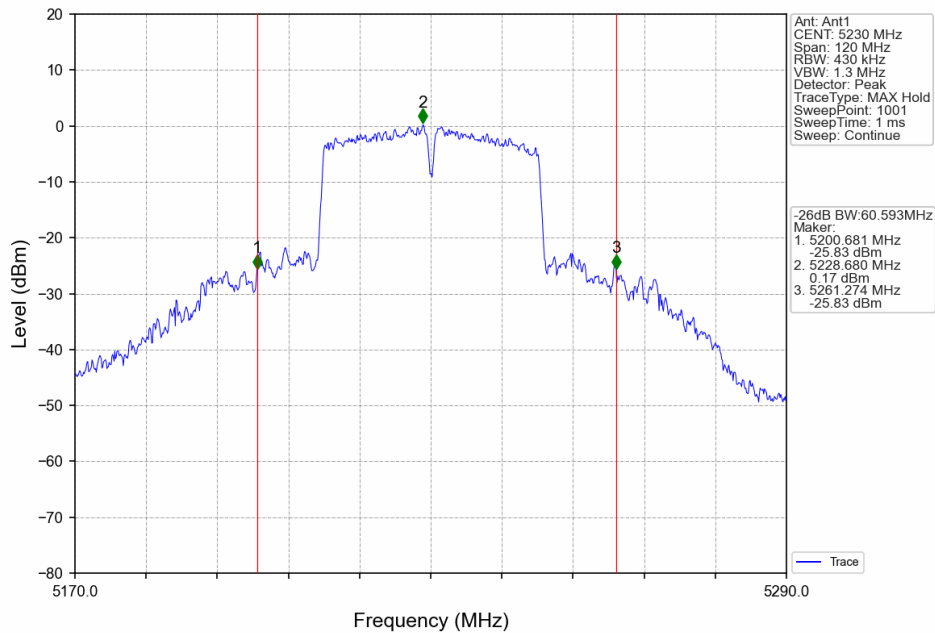
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV

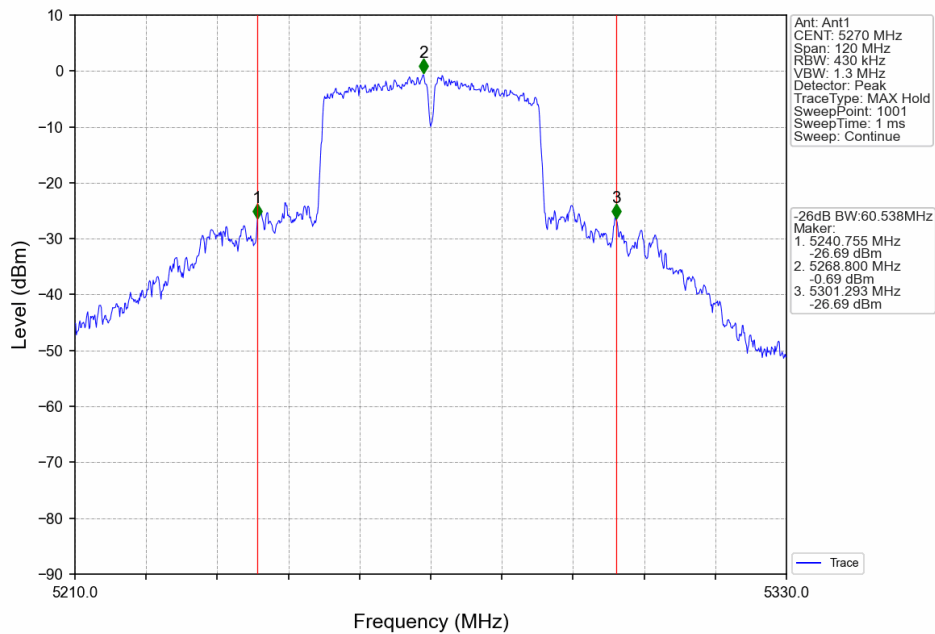


802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

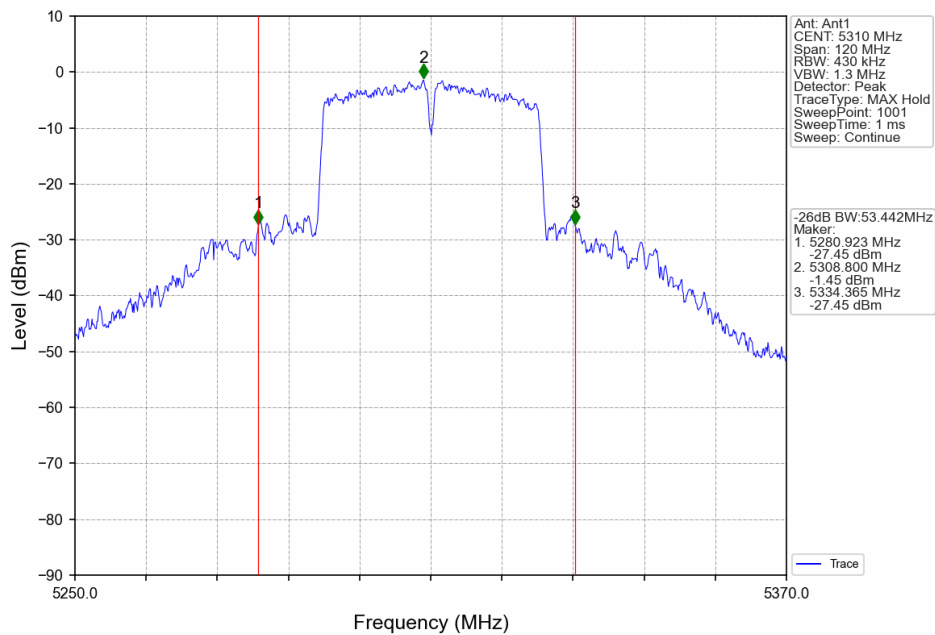




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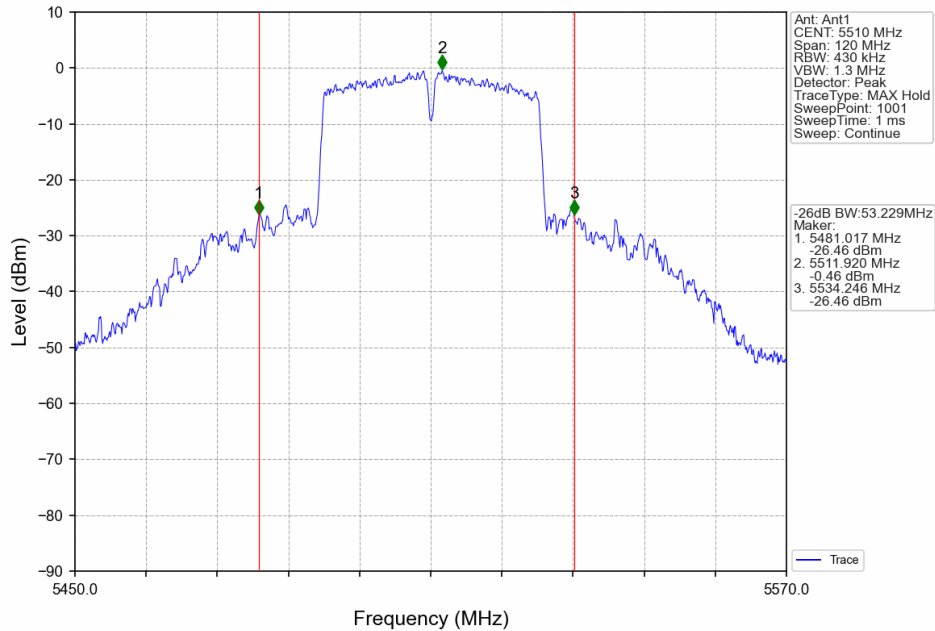


### 802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV

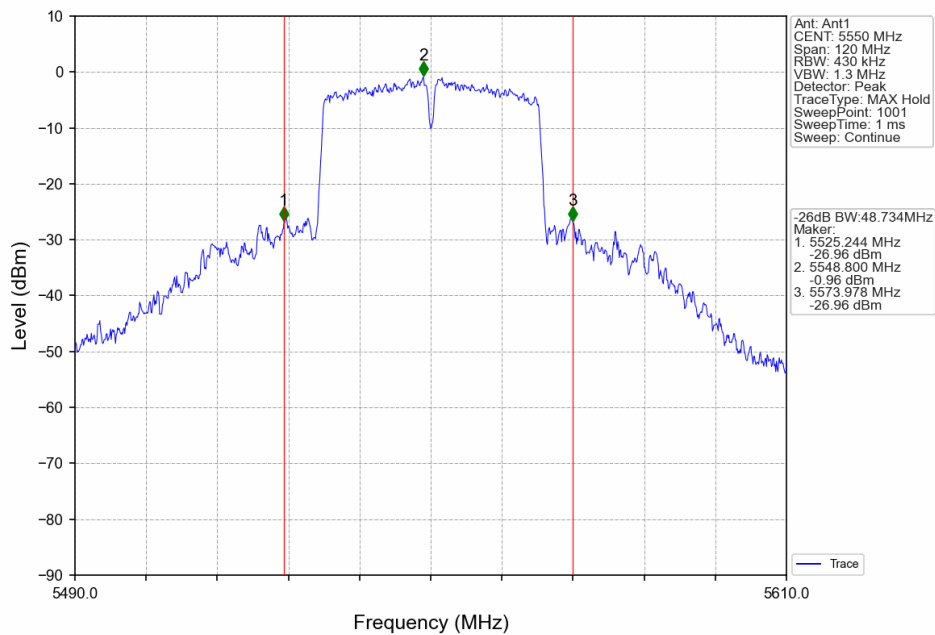




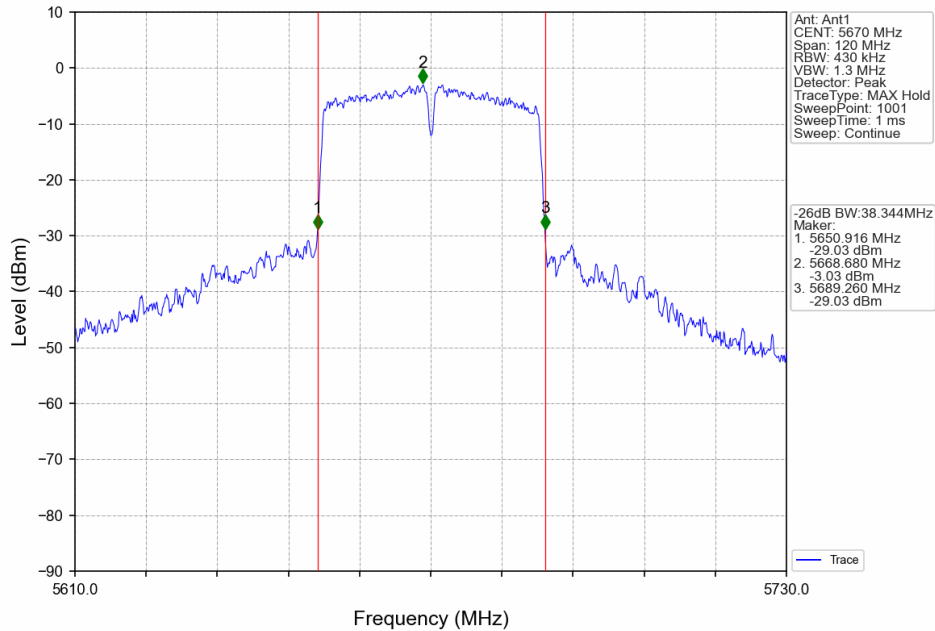
### 802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



### 802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	11.98	<=23.98	Pass
		5200	10.75	<=23.98	Pass
		5240	9.41	<=23.98	Pass
		5260	8.80	<=23.98	Pass
		5300	8.20	<=23.98	Pass
		5320	7.87	<=23.75	Pass
		5500	9.61	<=23.98	Pass
		5580	8.97	<=23.61	Pass
		5700	5.80	<=23.54	Pass
		5745	4.26	<=30	Pass
		5785	3.63	<=30	Pass
		5825	3.70	<=30	Pass
802.11n (HT20)	SISO	5180	11.24	<=23.98	Pass
		5200	10.67	<=23.98	Pass
		5240	9.81	<=23.98	Pass
		5260	9.26	<=23.98	Pass
		5300	8.26	<=23.98	Pass
		5320	7.35	<=23.82	Pass
		5500	9.82	<=23.95	Pass
		5580	8.83	<=23.83	Pass
		5700	5.46	<=23.8	Pass
		5745	3.81	<=30	Pass
		5785	3.00	<=30	Pass
		5825	3.50	<=30	Pass
802.11n (HT40)	SISO	5190	10.81	<=23.98	Pass
		5230	9.78	<=23.98	Pass
		5270	9.21	<=23.98	Pass
		5310	8.28	<=23.98	Pass
		5510	8.96	<=23.98	Pass
		5550	8.43	<=23.98	Pass



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231200413010

Page: 260 of 292

		5670	4.87	$\leq 23.98$	Pass
		5755	3.26	$\leq 30$	Pass
		5795	3.31	$\leq 30$	Pass

Note1: Antenna Gain: Ant1: 3.02dBi;

## 4. Maximum Power Spectral Density

### 4.1 PSD

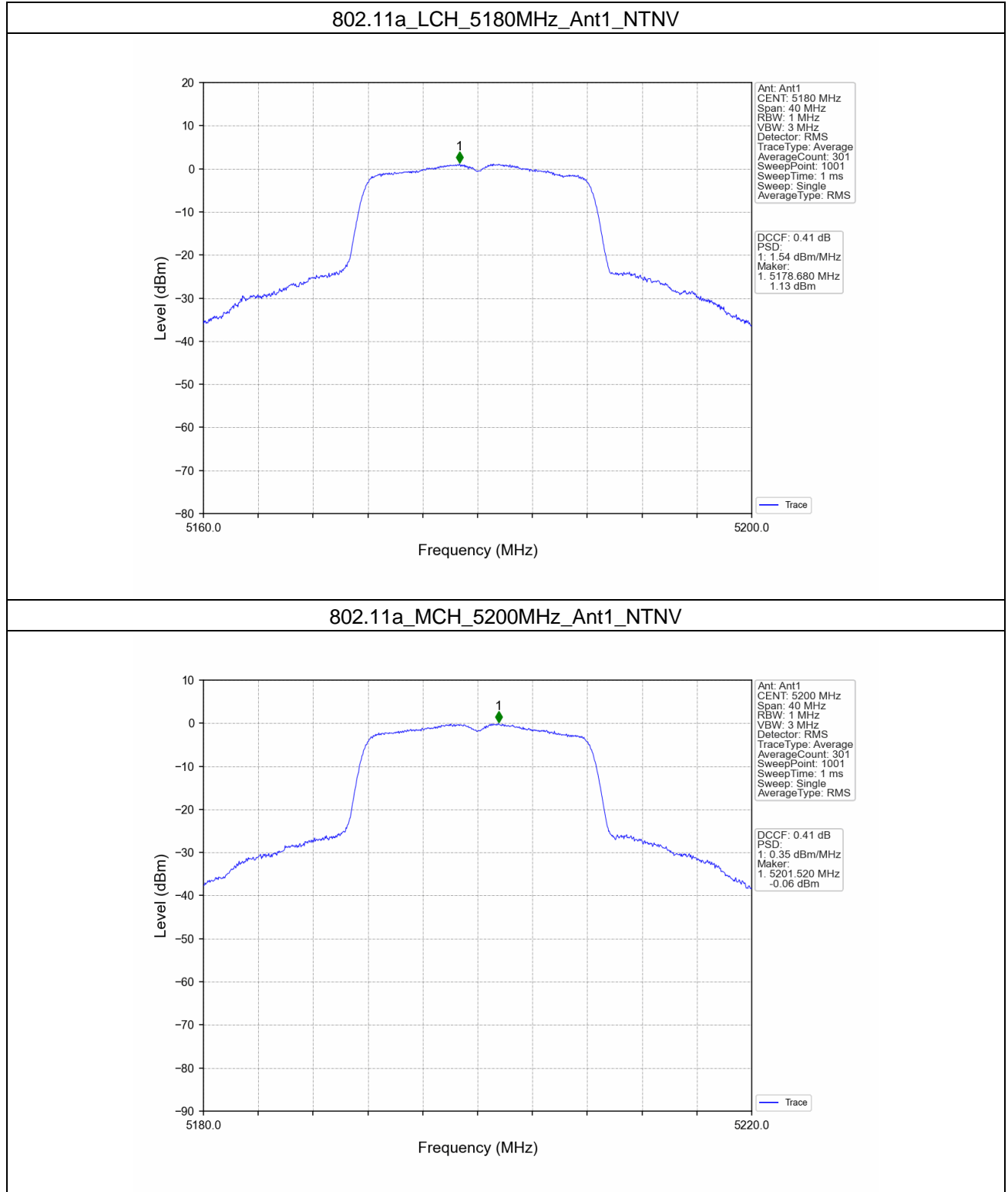
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	1.54	$\leq 11$	Pass
		5200	0.35	$\leq 11$	Pass
		5240	-0.96	$\leq 11$	Pass
		5260	-1.53	$\leq 11$	Pass
		5300	-2.18	$\leq 11$	Pass
		5320	-2.43	$\leq 11$	Pass
		5500	-0.79	$\leq 11$	Pass
		5580	-1.41	$\leq 11$	Pass
		5700	-4.69	$\leq 11$	Pass
802.11n (HT20)	SISO	5180	0.64	$\leq 11$	Pass
		5200	-0.15	$\leq 11$	Pass
		5240	-0.92	$\leq 11$	Pass
		5260	-1.44	$\leq 11$	Pass
		5300	-2.43	$\leq 11$	Pass
		5320	-3.26	$\leq 11$	Pass
		5500	-0.79	$\leq 11$	Pass
		5580	-1.70	$\leq 11$	Pass
		5700	-5.13	$\leq 11$	Pass
802.11n (HT40)	SISO	5190	-2.98	$\leq 11$	Pass
		5230	-3.99	$\leq 11$	Pass
		5270	-4.45	$\leq 11$	Pass
		5310	-5.53	$\leq 11$	Pass
		5510	-4.76	$\leq 11$	Pass
		5550	-5.17	$\leq 11$	Pass
		5670	-8.81	$\leq 11$	Pass

Note1: Antenna Gain: Ant1: 3.02dBi;

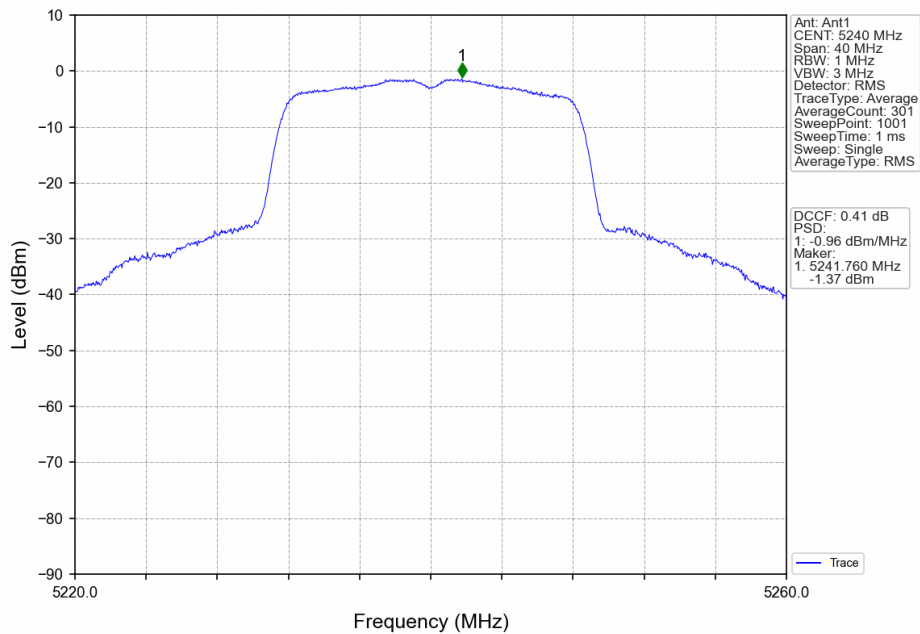


### 4.1.2 Test Graph

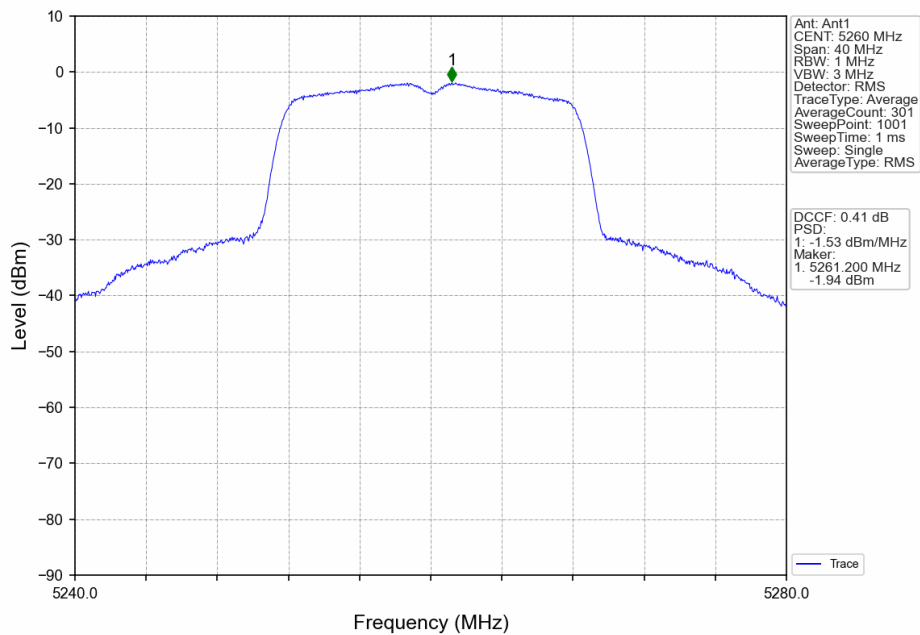




802.11a\_HCH\_5240MHz\_Ant1\_NTNV



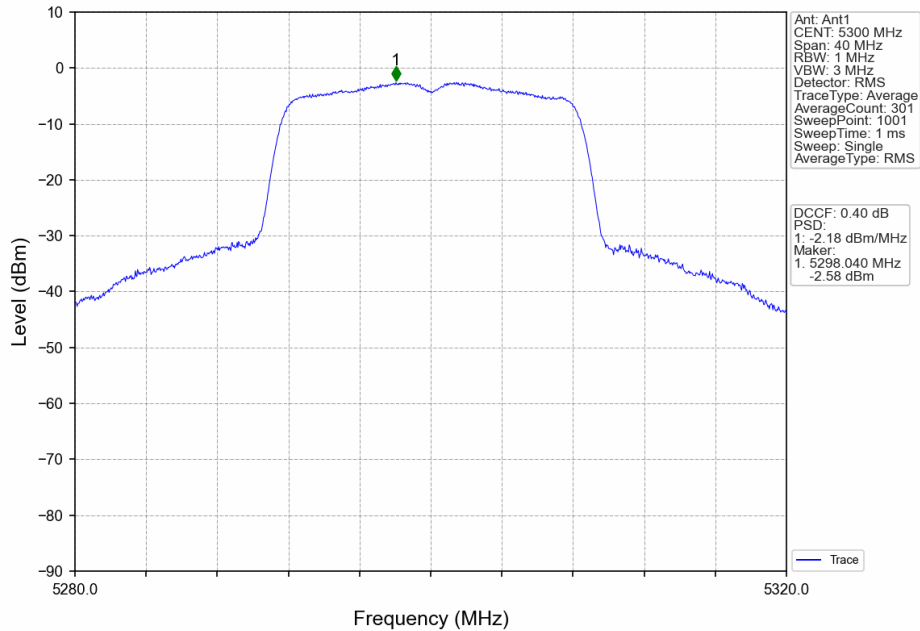
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



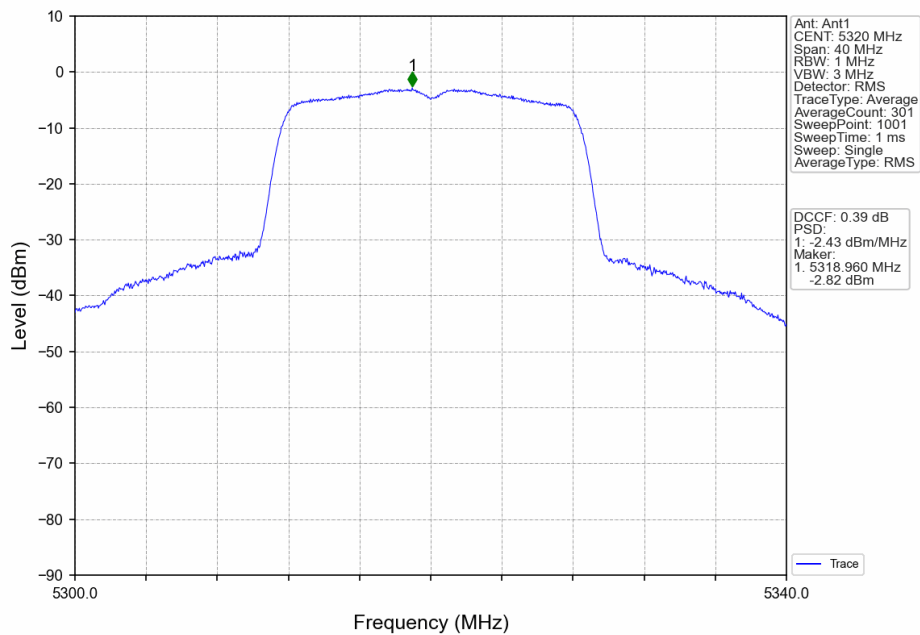
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV



802.11a\_HCH\_5320MHz\_Ant1\_NTNV



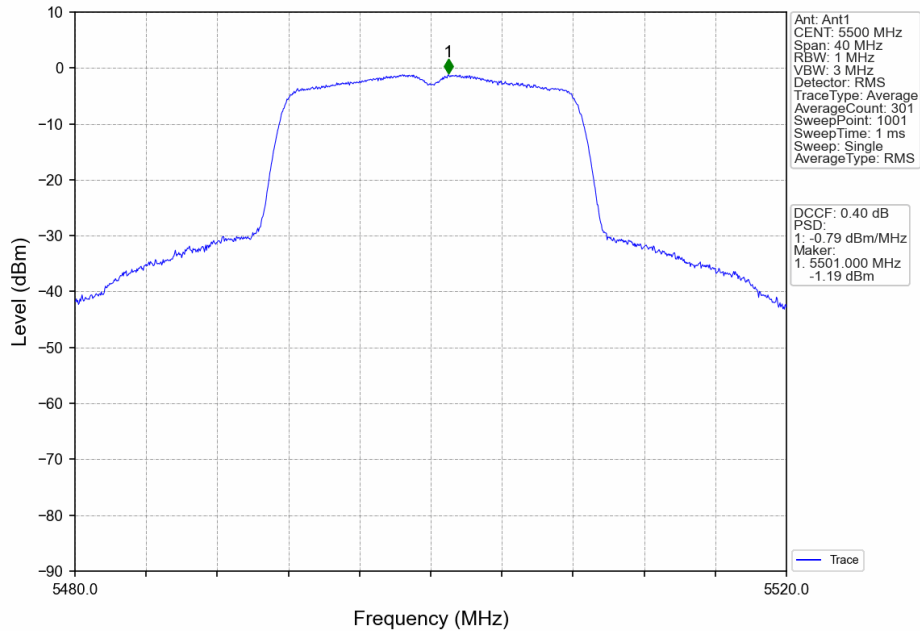
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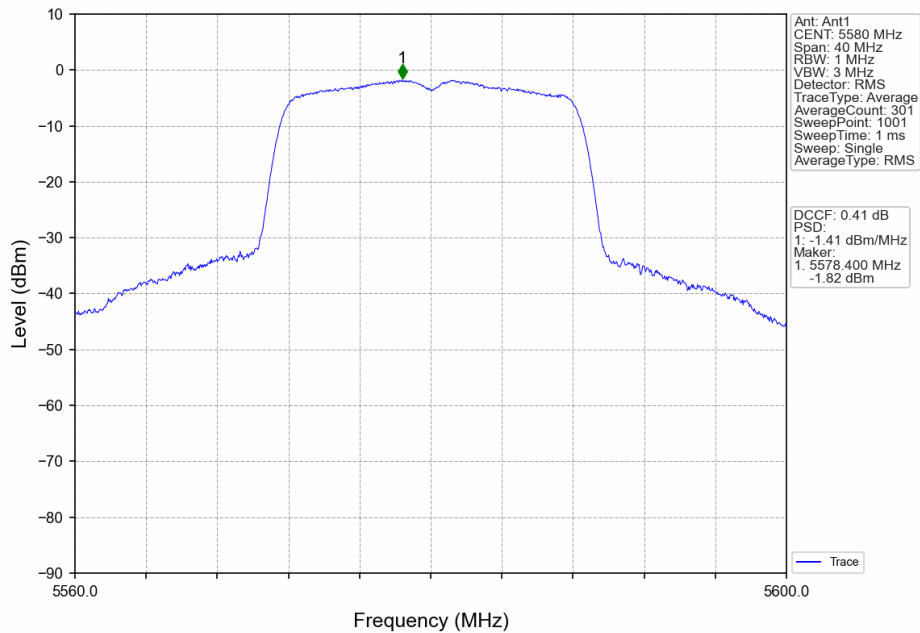
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant1\_NTNV



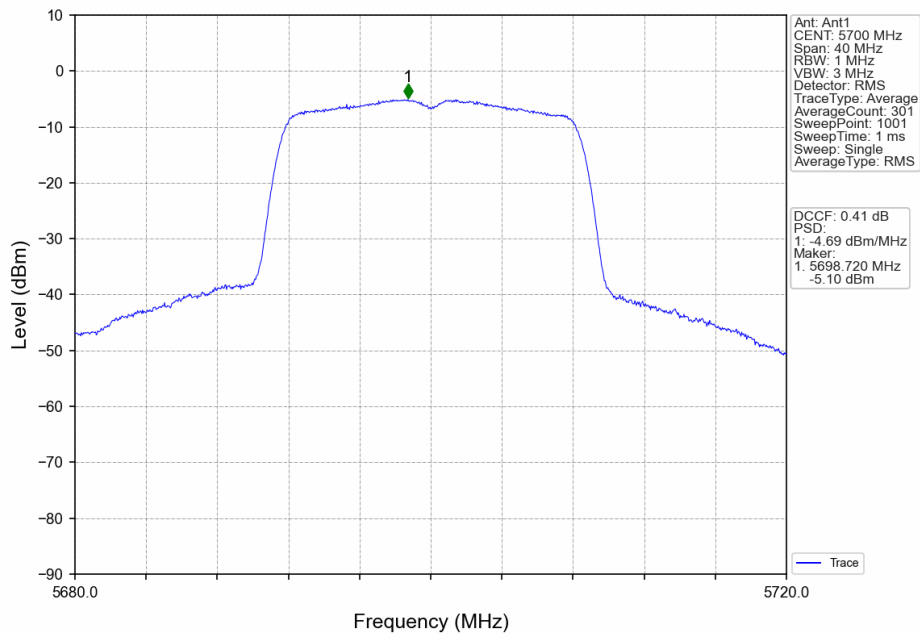
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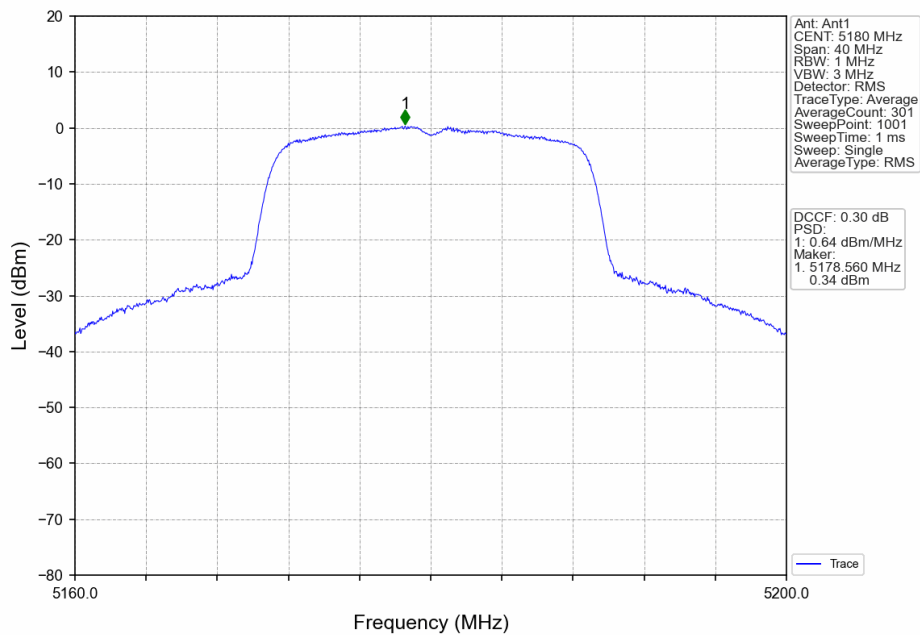
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV

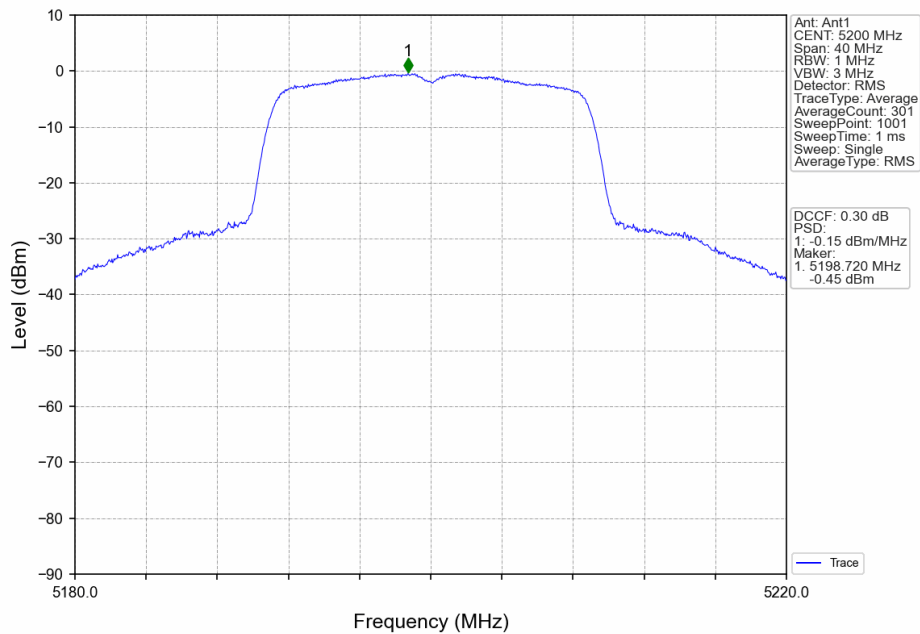


802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV

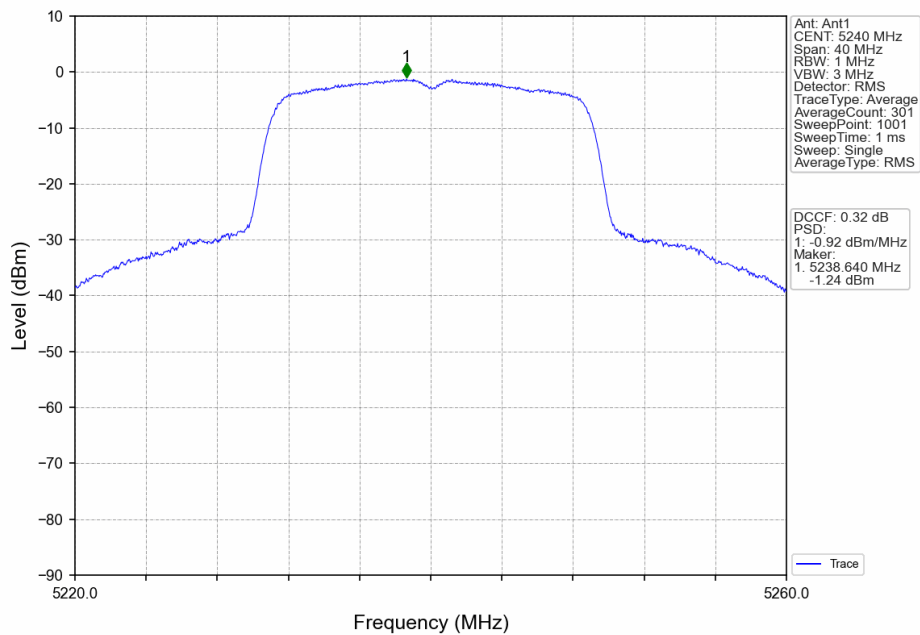




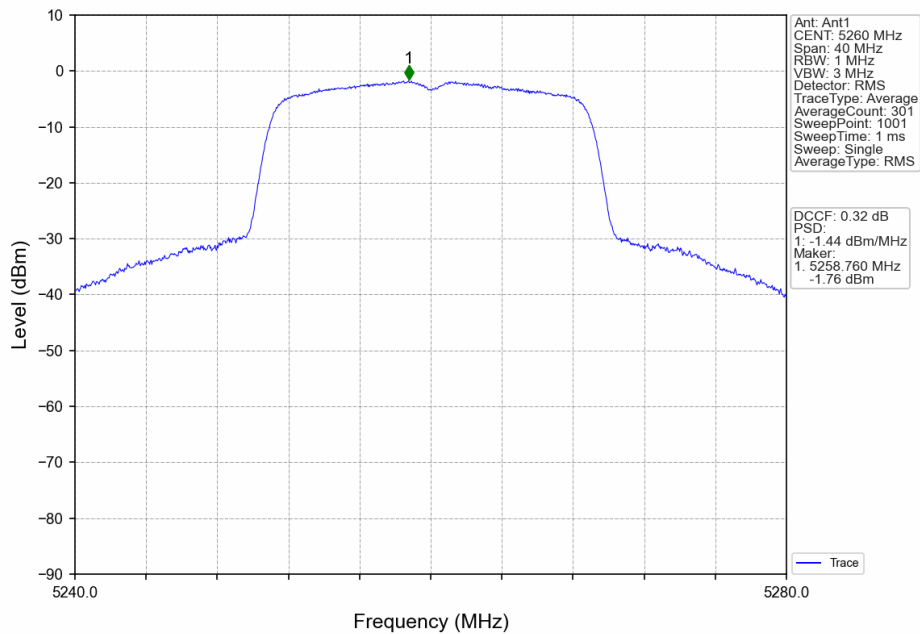
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



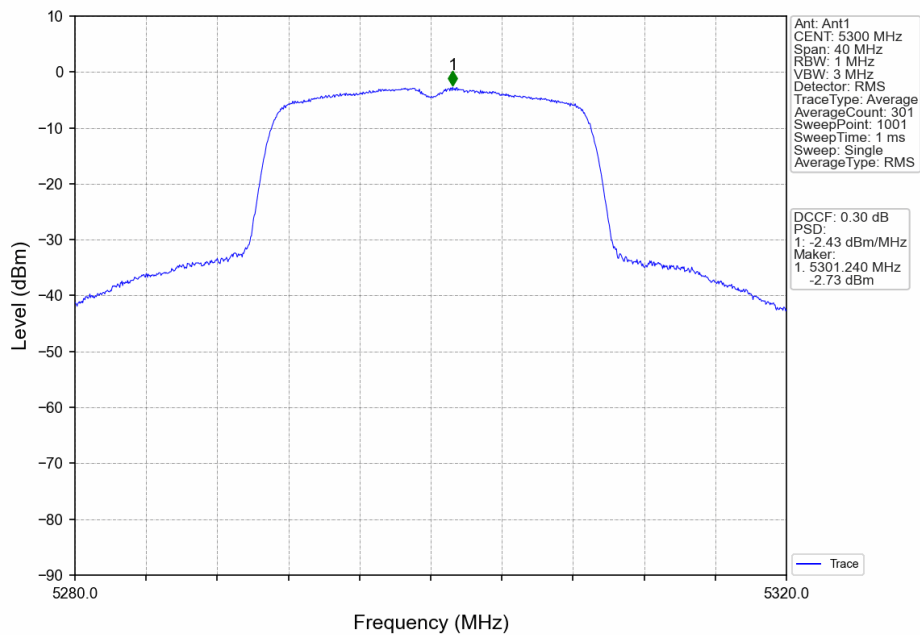
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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



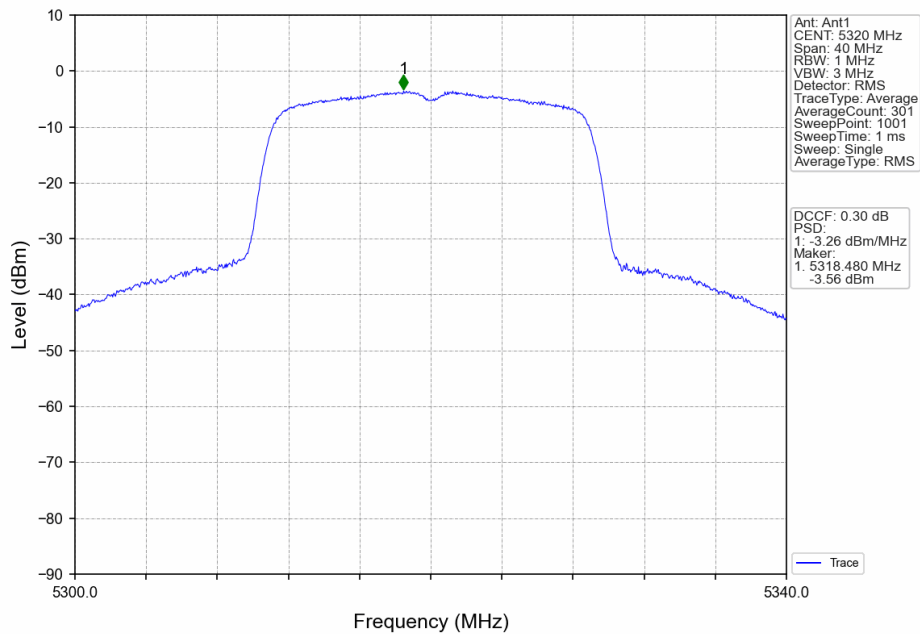
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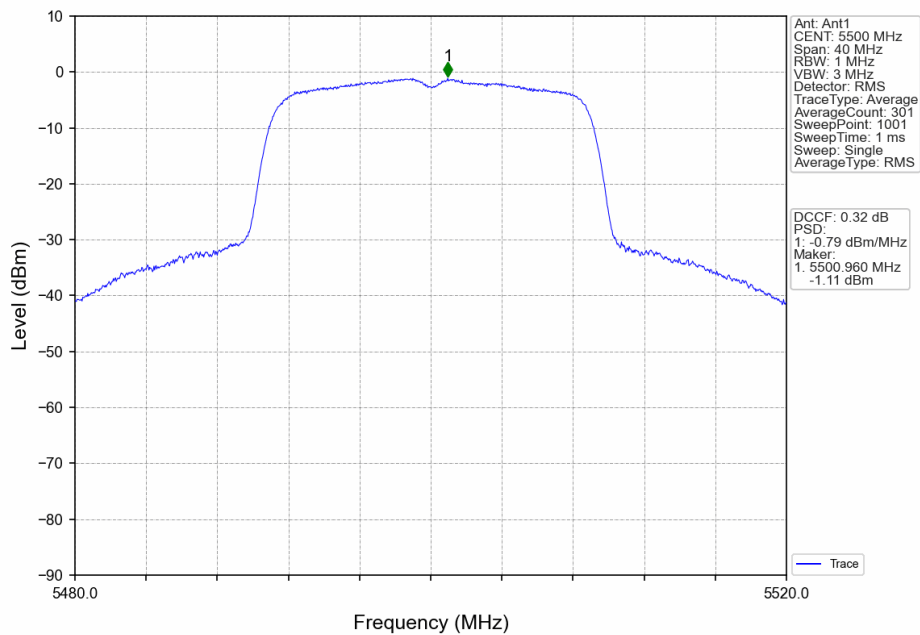
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802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



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



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