

# Appendix -

## Test Data and Result for report

### GZCR241000116202

### (Bandwidth)



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### 2. Bandwidth

#### 2.1 Test Result

##### 2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	17.172	/	Pass
		5200	/	/	1	17.135	/	Pass
		5240	/	/	1	17.144	/	Pass
		5260	/	/	1	17.147	/	Pass
		5300	/	/	1	17.163	/	Pass
		5320	/	/	1	17.141	/	Pass
		5500	/	/	1	17.158	/	Pass
		5580	/	/	1	17.159	/	Pass
		5700	/	/	1	17.135	/	Pass
		5745	/	/	1	17.073	/	Pass
		5785	/	/	1	17.149	/	Pass
		5825	/	/	1	17.124	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	36.179	/	Pass
		5230	/	/	1	36.106	/	Pass
		5270	/	/	1	36.200	/	Pass
		5310	/	/	1	36.143	/	Pass
		5510	/	/	1	36.182	/	Pass
		5550	/	/	1	36.154	/	Pass
		5670	/	/	1	36.138	/	Pass
		5755	/	/	1	36.145	/	Pass
802.11ac (VHT80)	MIMO	5795	/	/	1	36.138	/	Pass
		5210	/	/	1	75.547	/	Pass
		5290	/	/	1	75.522	/	Pass
		5530	/	/	1	75.519	/	Pass
		5610	/	/	1	75.608	/	Pass
802.11ac (VHT160)	MIMO	5775	/	/	1	75.463	/	Pass
		5570	/	/	1	153.923	/	Pass
		5250	/	/	1	153.145	/	Pass



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Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	19.313	/	Pass
		5200	RU242	Left	1	37.642	/	Pass
		5240	RU242	Left	1	19.285	/	Pass
		5260	RU242	Left	1	19.355	/	Pass
		5300	RU242	Left	1	19.341	/	Pass
		5320	RU242	Left	1	19.315	/	Pass
		5500	RU242	Left	1	19.310	/	Pass
		5580	RU242	Left	1	19.293	/	Pass
		5700	RU242	Left	1	19.311	/	Pass
		5745	RU242	Left	1	19.307	/	Pass
		5785	RU242	Left	1	19.312	/	Pass
		5825	RU242	Left	1	19.315	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	37.808	/	Pass
		5230	RU484	Left	1	37.853	/	Pass
		5270	RU484	Left	1	37.845	/	Pass
		5310	RU484	Left	1	37.798	/	Pass
		5510	RU484	Left	1	37.808	/	Pass
		5550	RU484	Left	1	37.791	/	Pass
		5670	RU484	Left	1	37.900	/	Pass
		5755	RU484	Left	1	37.808	/	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	77.642	/	Pass
		5290	RU996	Left	1	77.409	/	Pass
		5530	RU996	Left	1	77.602	/	Pass
		5610	RU996	Left	1	77.483	/	Pass
		5775	RU996	Left	1	77.334	/	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	1	155.582	/	Pass
		5250	2xRU996	Left	1	153.221	/	Pass



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## 2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.415	>=0.5	Pass
		5785	/	/	1	16.407	>=0.5	Pass
		5825	/	/	1	16.410	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	1	35.389	>=0.5	Pass
		5795	/	/	1	35.457	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	1	75.426	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	1	19.061	>=0.5	Pass
		5785	RU242	Left	1	19.082	>=0.5	Pass
		5825	RU242	Left	1	19.151	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	1	37.480	>=0.5	Pass
		5795	RU484	Left	1	37.630	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	1	77.669	>=0.5	Pass



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### 2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	20.147	/	Pass
		5200	/	/	1	20.471	/	Pass
		5240	/	/	1	20.226	/	Pass
		5260	/	/	1	20.139	/	Pass
		5300	/	/	1	20.303	/	Pass
		5320	/	/	1	20.339	/	Pass
		5500	/	/	1	20.038	/	Pass
		5580	/	/	1	20.156	/	Pass
		5700	/	/	1	20.247	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	39.383	/	Pass
		5230	/	/	1	39.453	/	Pass
		5270	/	/	1	39.372	/	Pass
		5310	/	/	1	39.658	/	Pass
		5510	/	/	1	39.289	/	Pass
		5550	/	/	1	39.476	/	Pass
		5670	/	/	1	39.445	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	81.562	/	Pass
		5290	/	/	1	81.538	/	Pass
		5530	/	/	1	81.907	/	Pass
		5610	/	/	1	81.061	/	Pass
802.11ac (VHT160)	MIMO	5570	/	/	1	163.548	/	Pass
		5250	/	/	1	163.161	/	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	21.743	/	Pass
		5200	RU242	Left	1	39.635	/	Pass
		5240	RU242	Left	1	21.365	/	Pass
		5260	RU242	Left	1	21.503	/	Pass
		5300	RU242	Left	1	21.713	/	Pass
		5320	RU242	Left	1	21.523	/	Pass
		5500	RU242	Left	1	21.772	/	Pass
		5580	RU242	Left	1	21.428	/	Pass
		5700	RU242	Left	1	21.810	/	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	40.201	/	Pass
		5230	RU484	Left	1	40.187	/	Pass
		5270	RU484	Left	1	40.134	/	Pass
		5310	RU484	Left	1	40.354	/	Pass
		5510	RU484	Left	1	40.272	/	Pass
		5550	RU484	Left	1	40.184	/	Pass
		5670	RU484	Left	1	40.195	/	Pass



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Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	81.711	/	Pass
		5290	RU996	Left	1	81.852	/	Pass
		5530	RU996	Left	1	81.367	/	Pass
		5610	RU996	Left	1	82.133	/	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	1	163.748	/	Pass
		5250	2xRU996	Left	1	163.771	/	Pass



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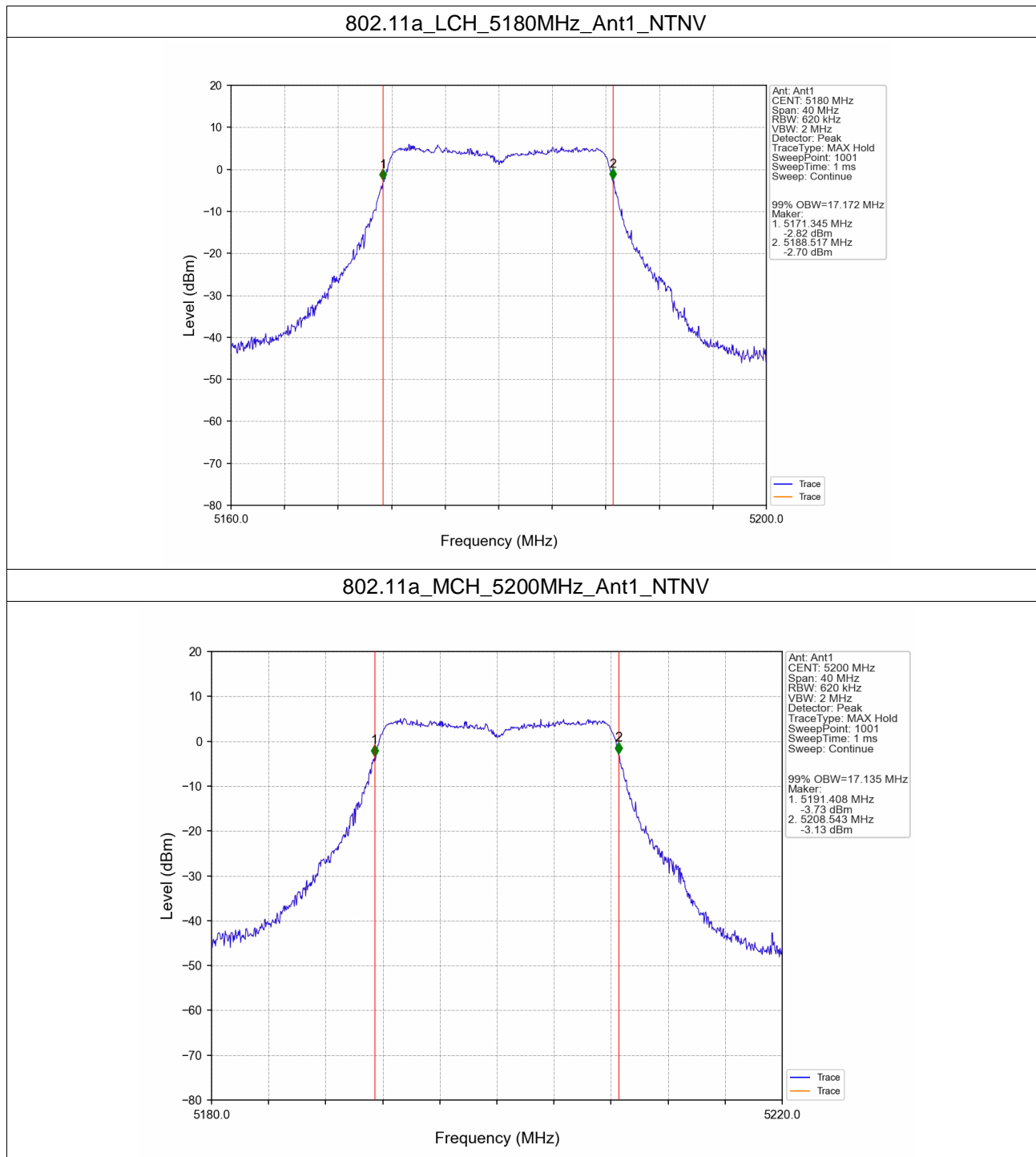
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### 2.2 Test Graph

#### 2.2.1 OBW

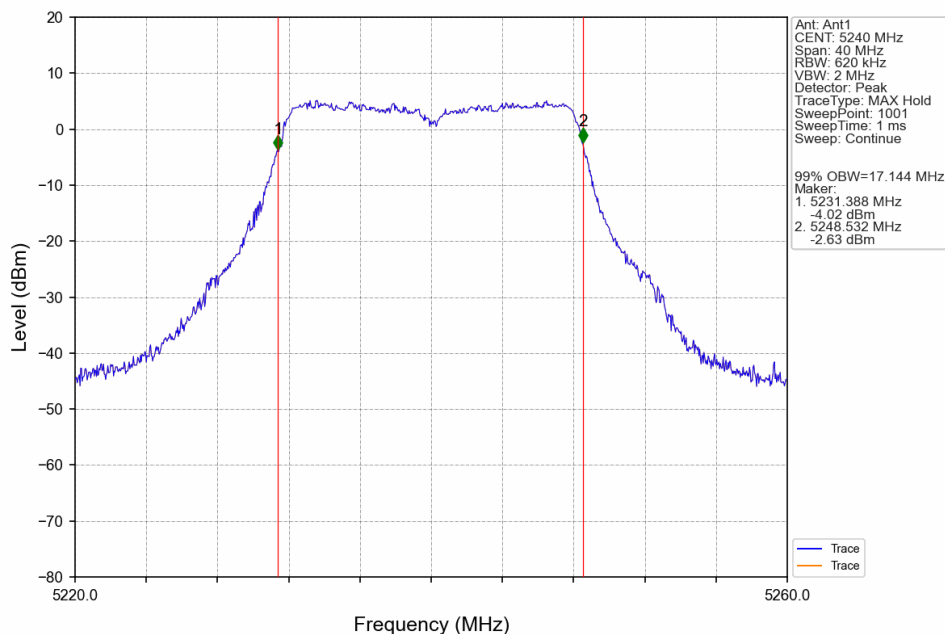


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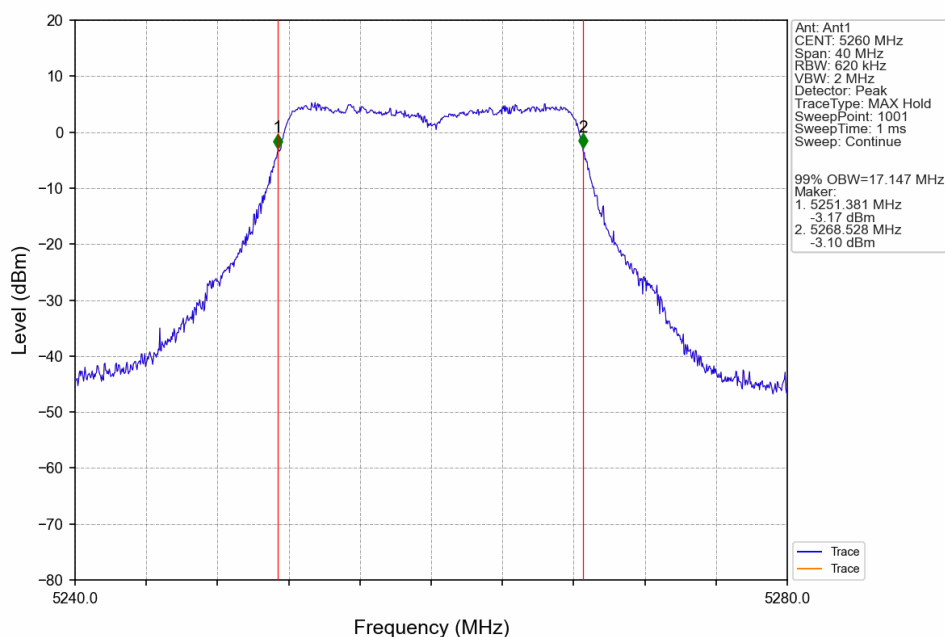
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant1\_NTNV

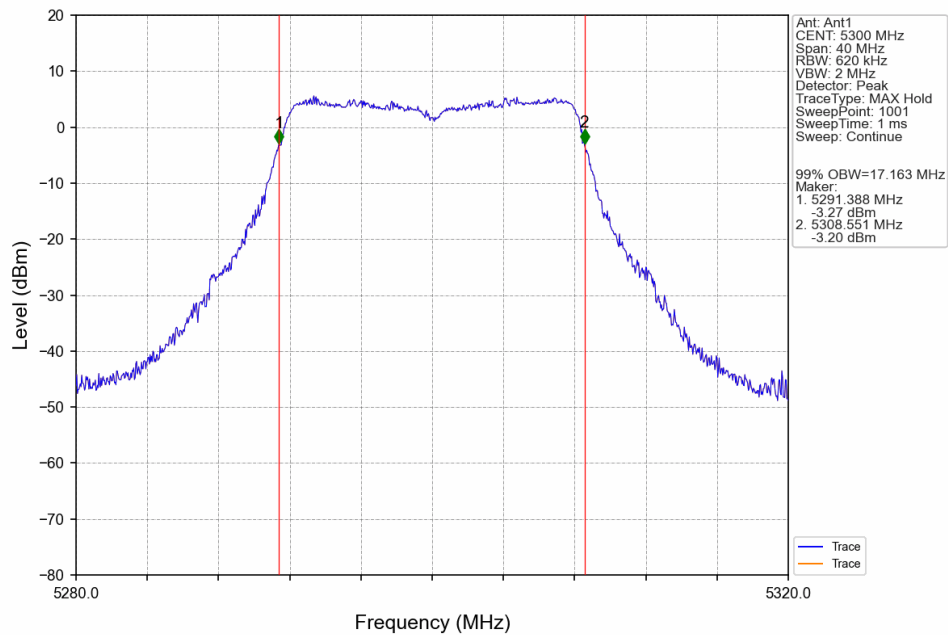


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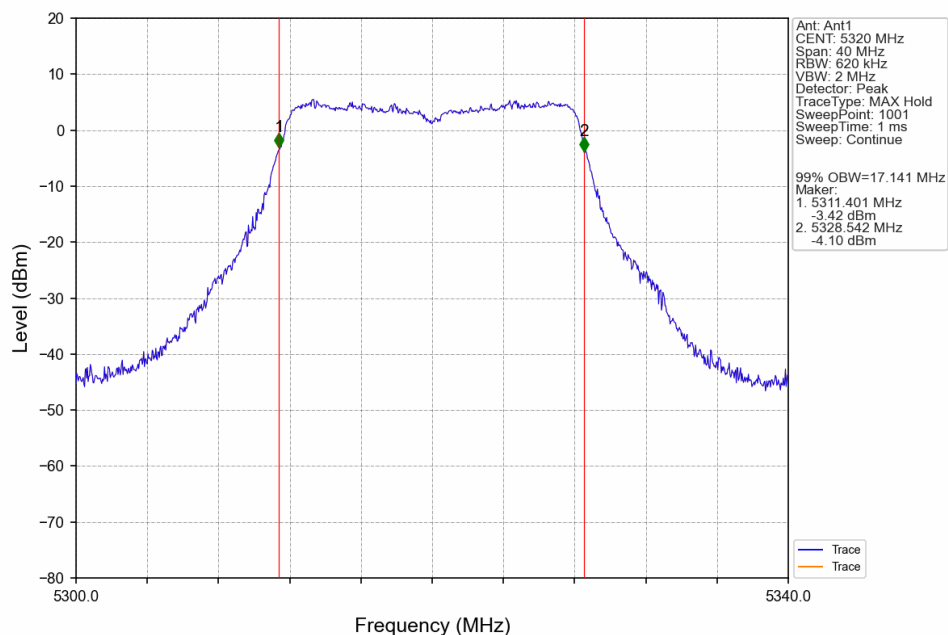
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV



802.11a\_HCH\_5320MHz\_Ant1\_NTNV



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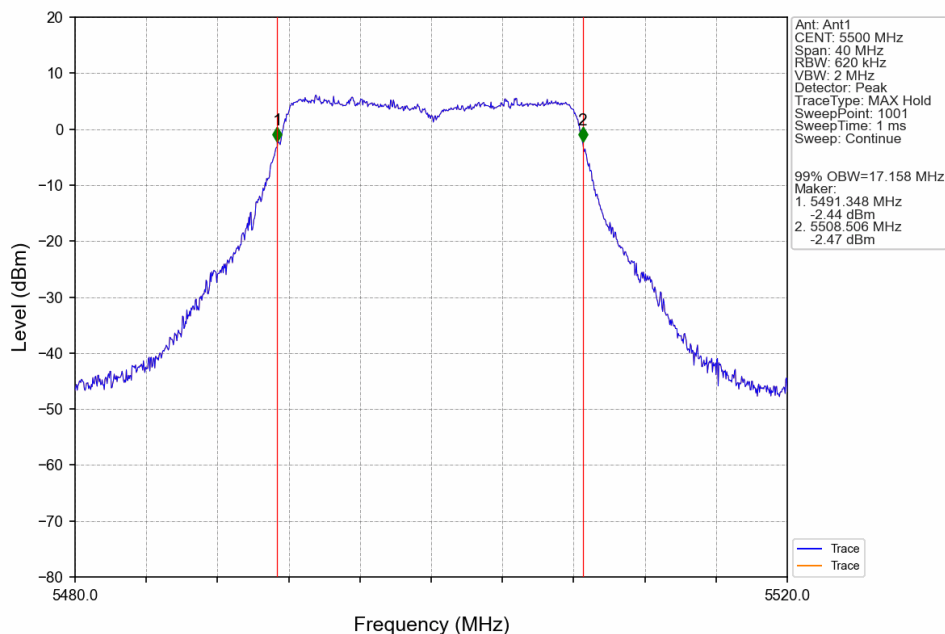
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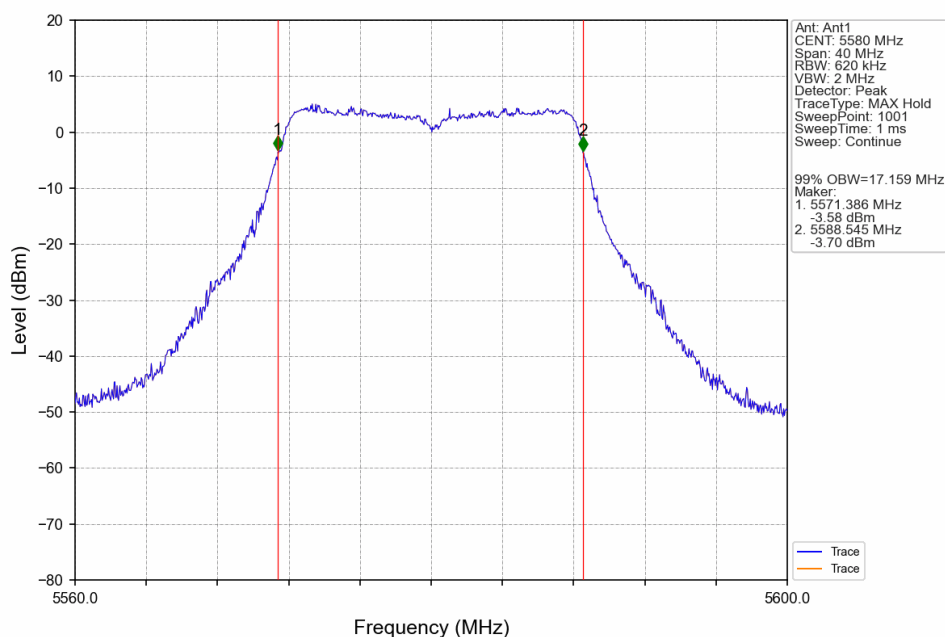
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



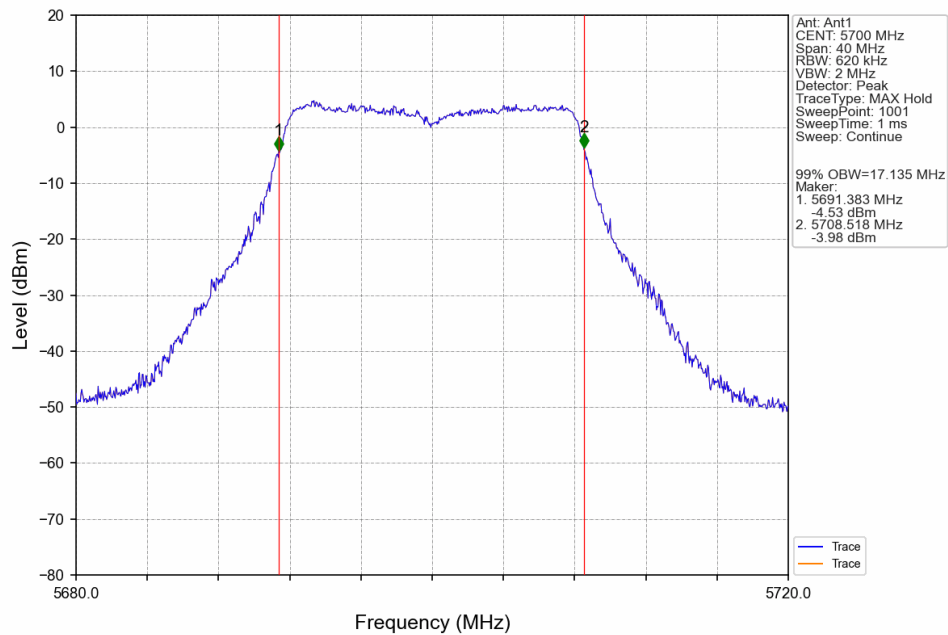
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



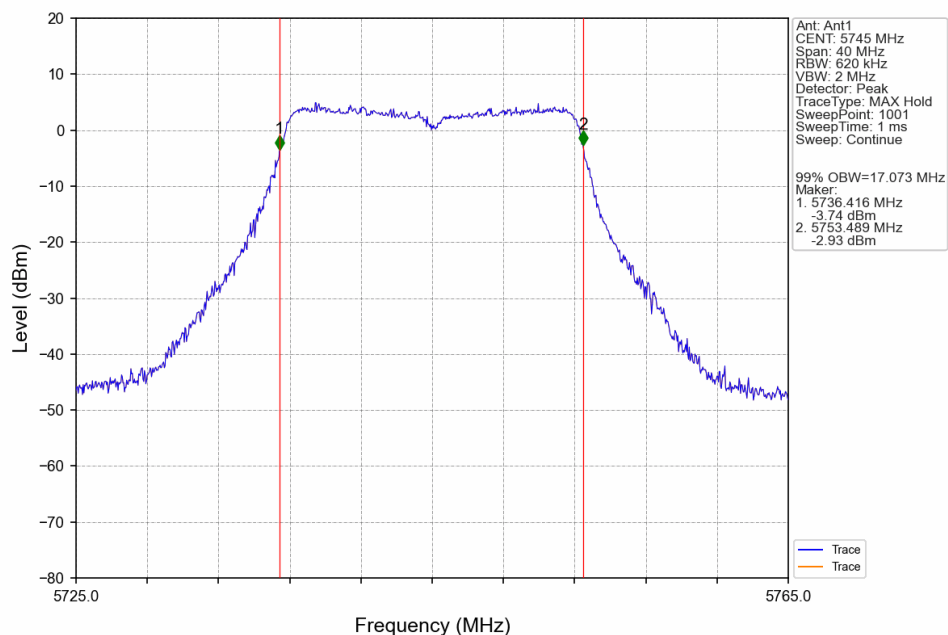
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV



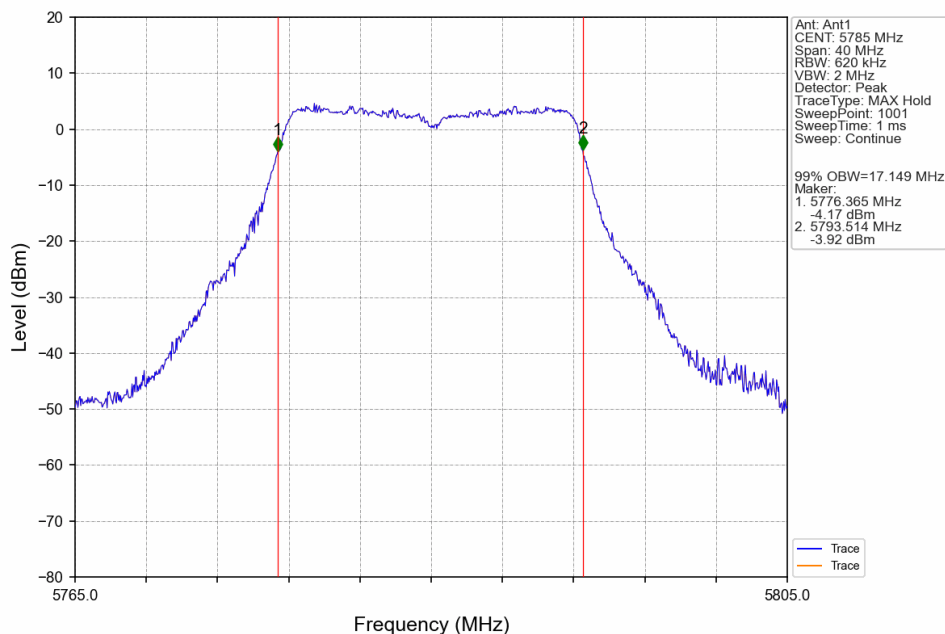
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



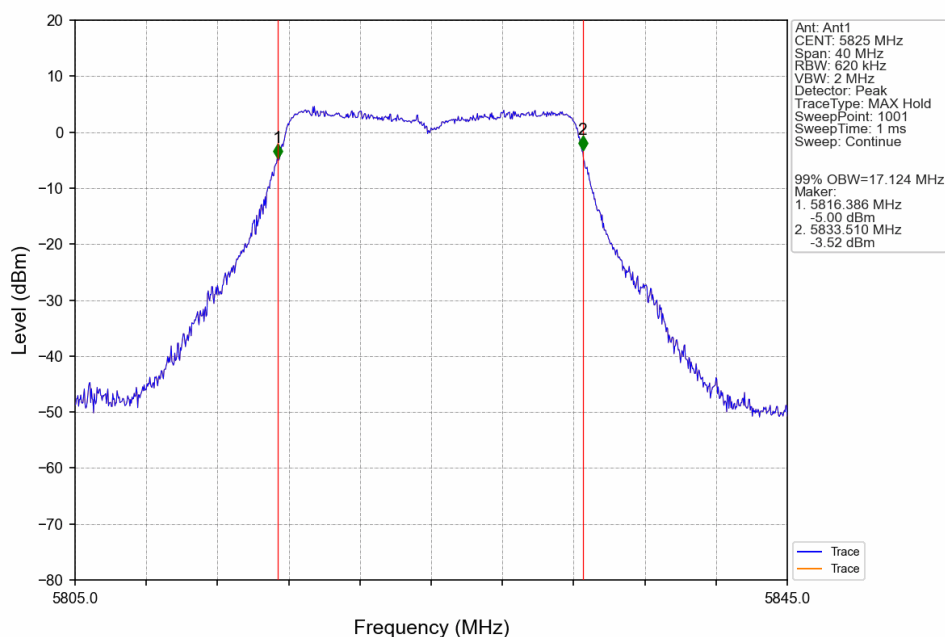
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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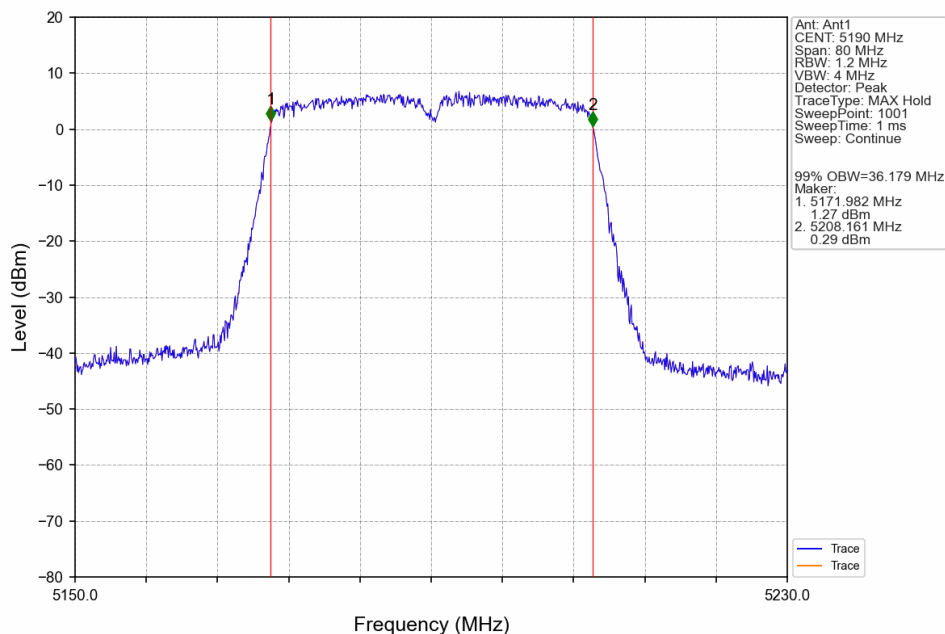
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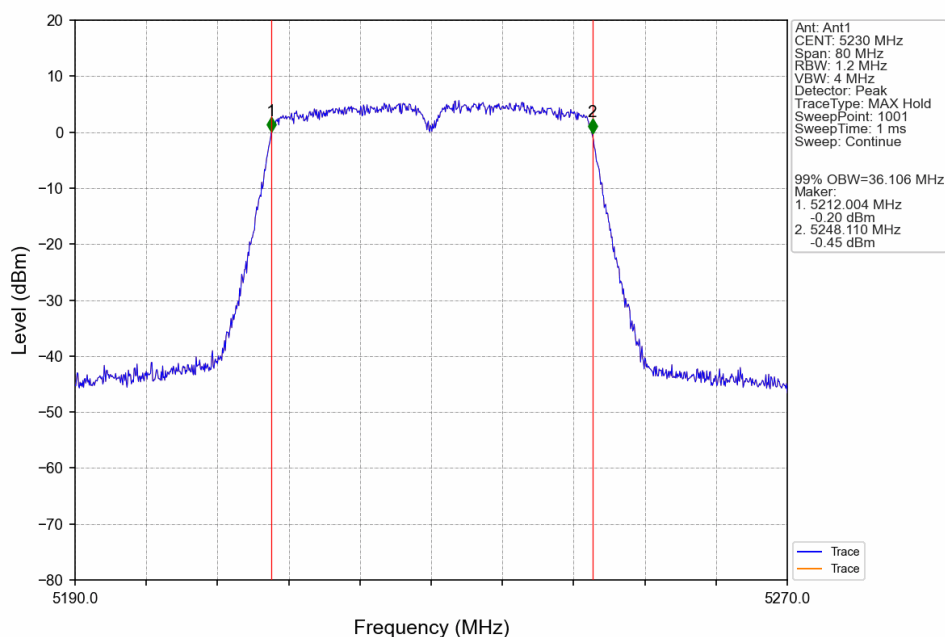
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn  
 t (86-20) 82155555 sgs.china@sgs.com

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



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

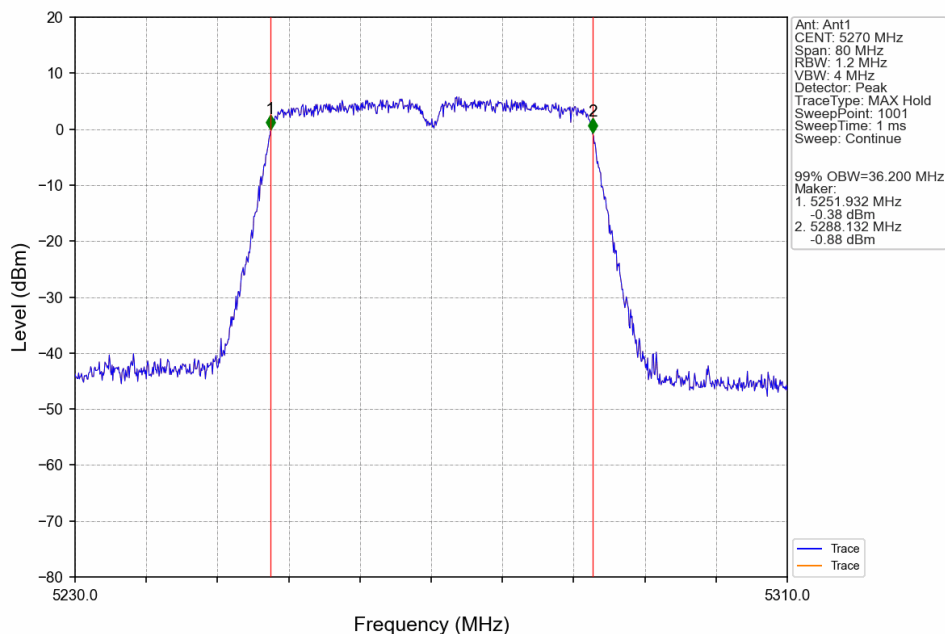


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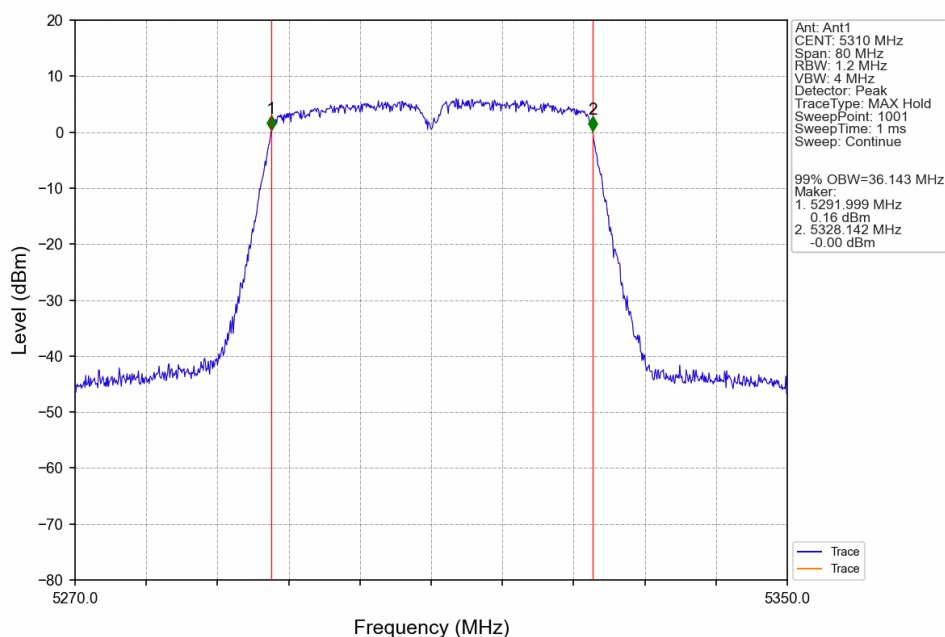
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802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



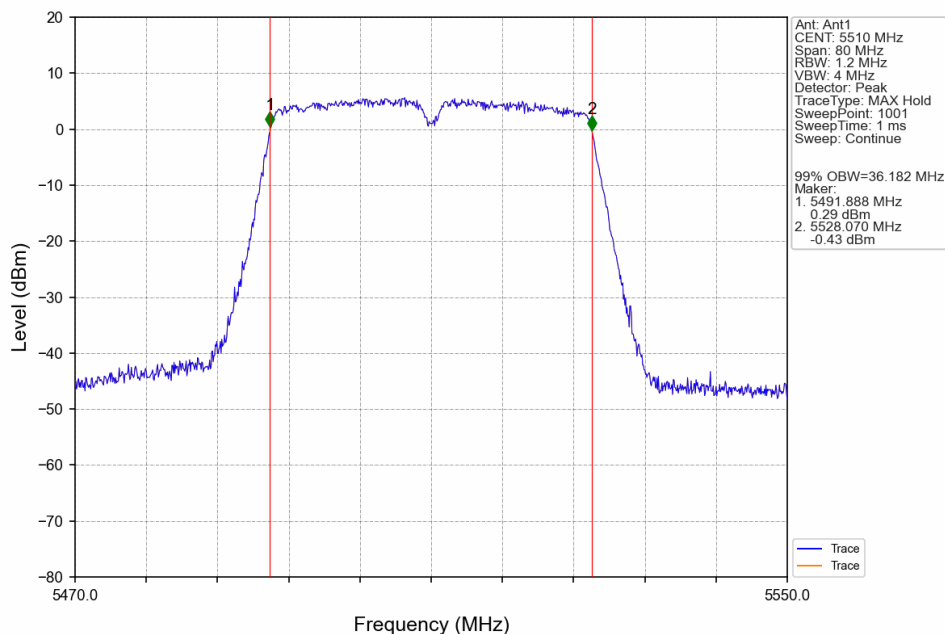
802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



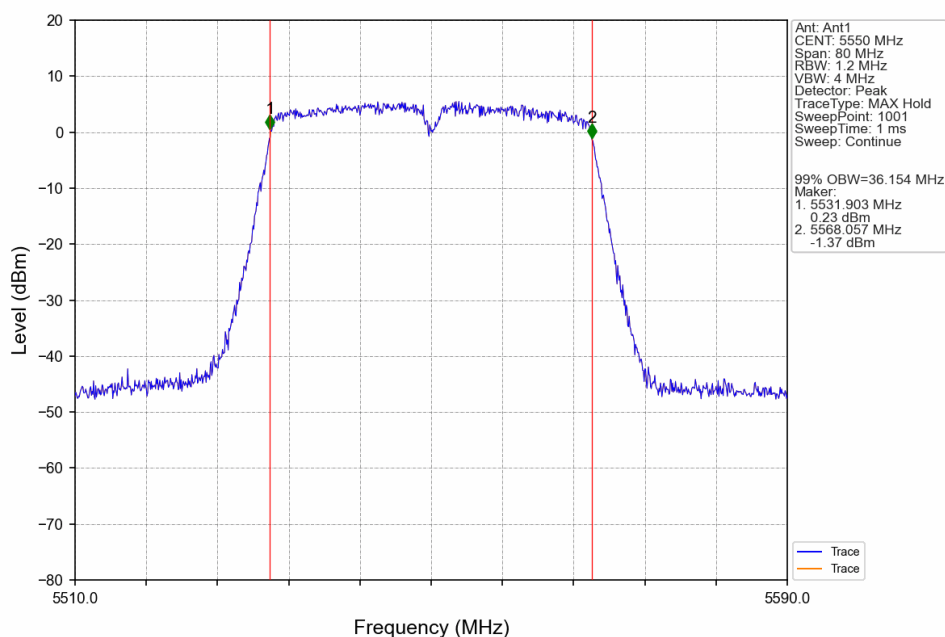
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802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



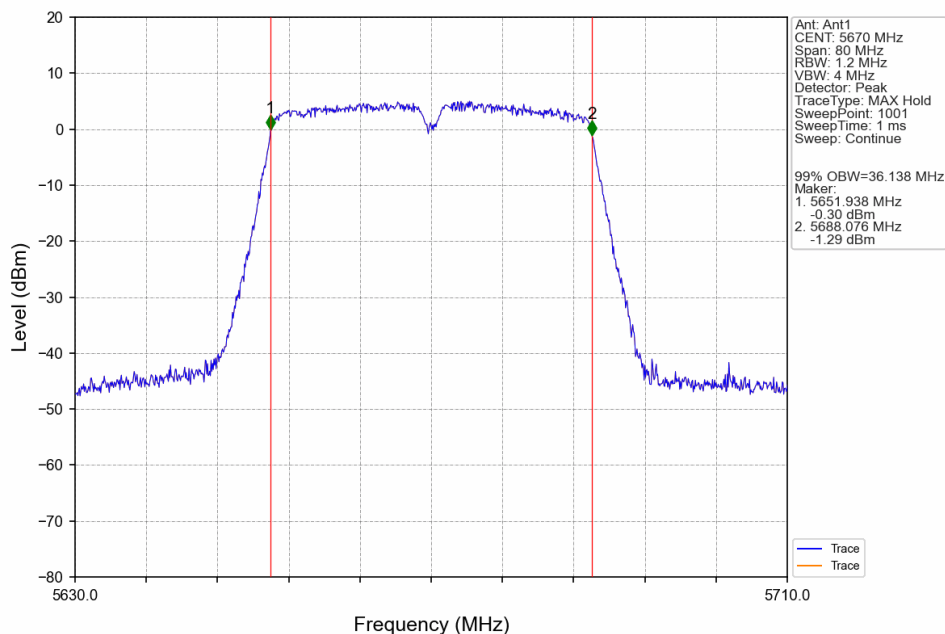
802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



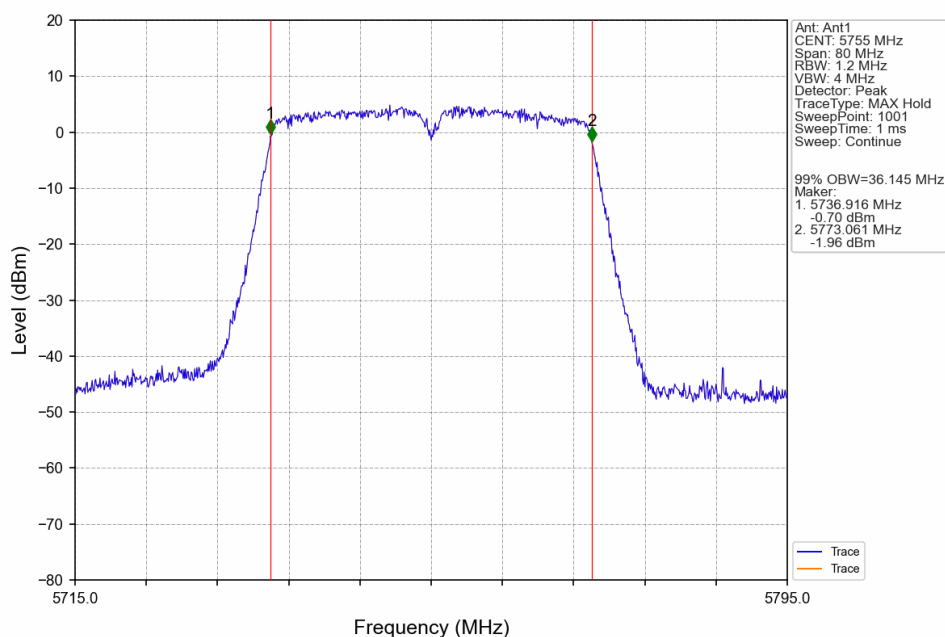
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802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



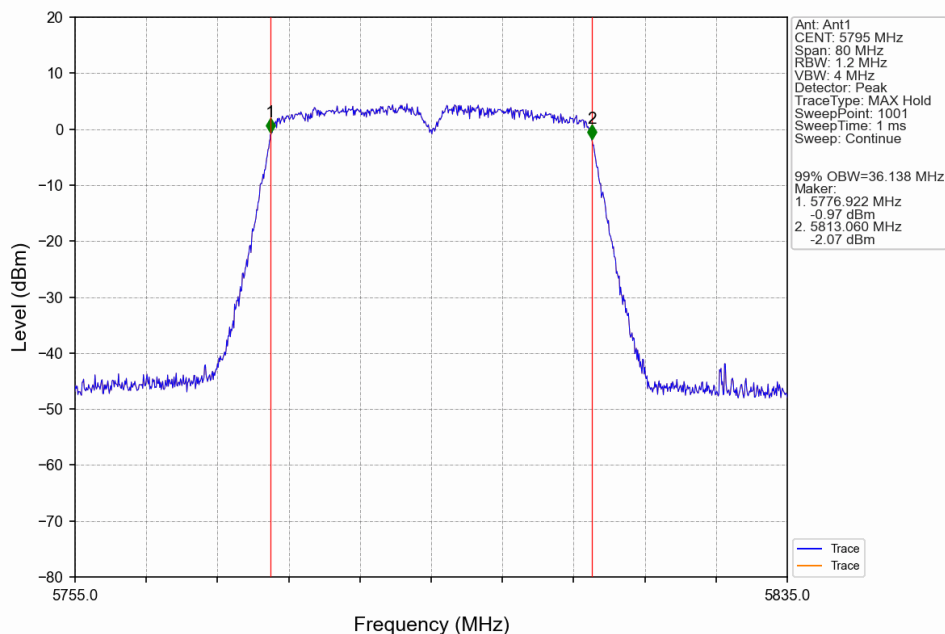
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



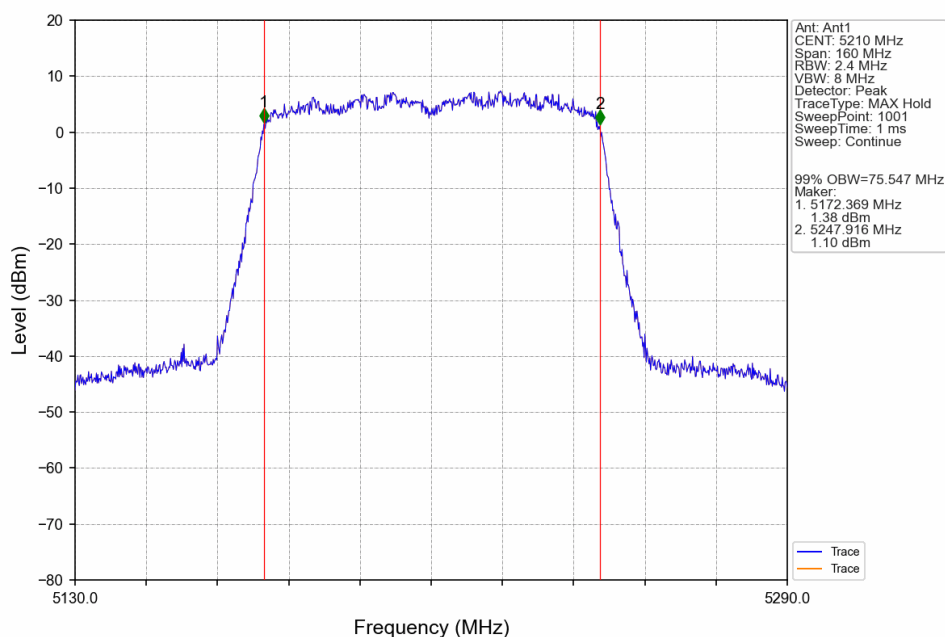
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



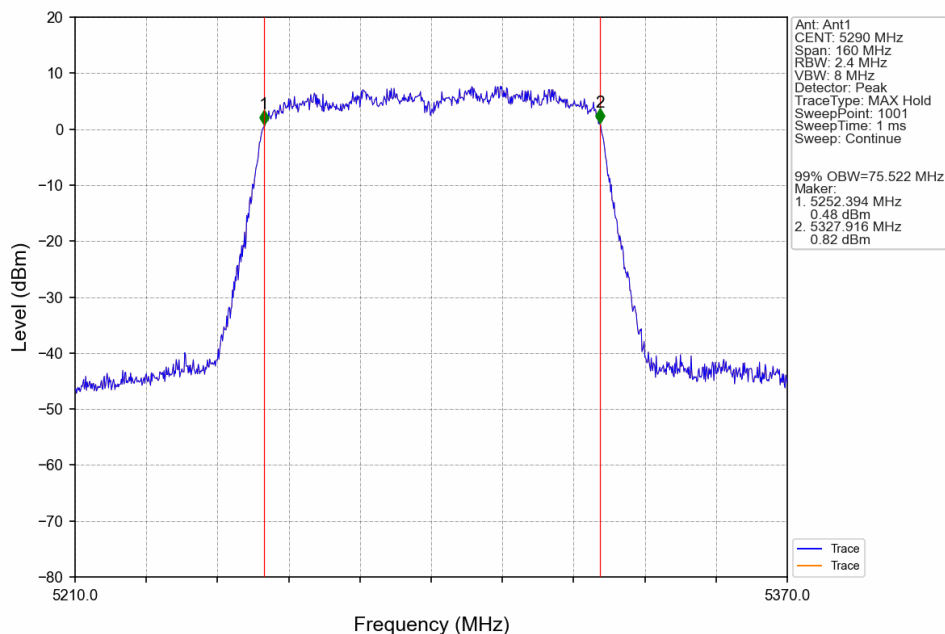
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



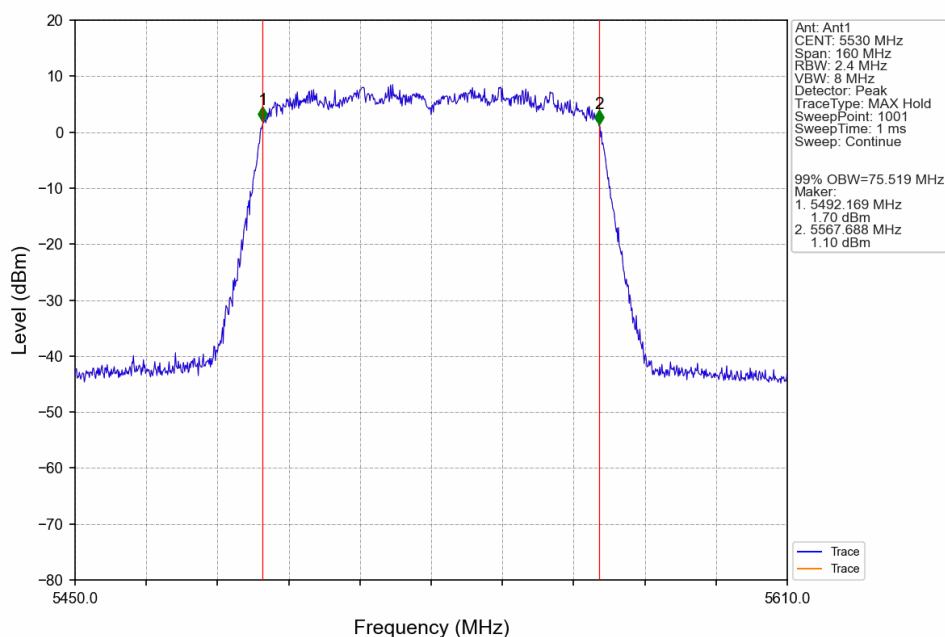
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### 802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV

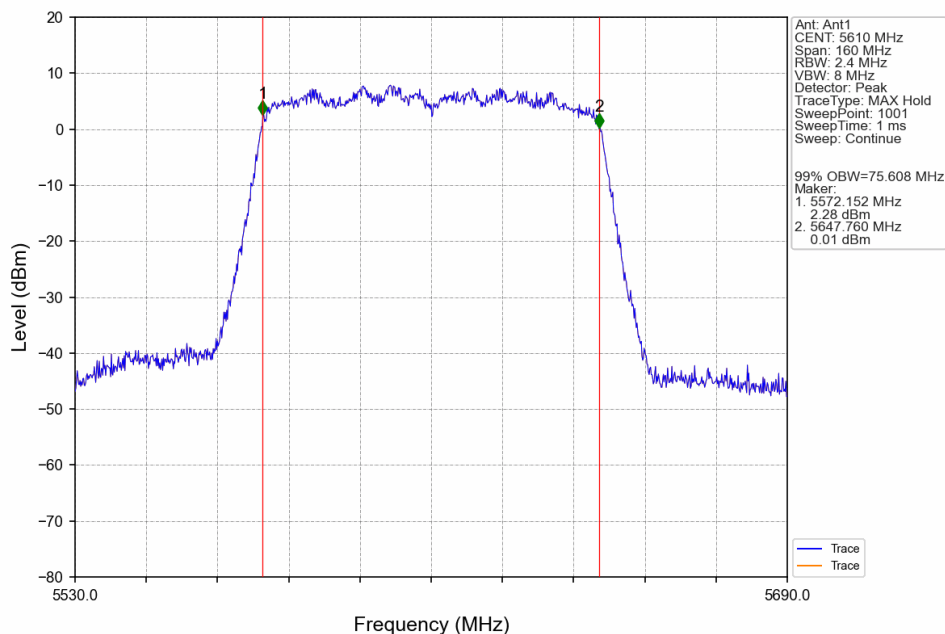


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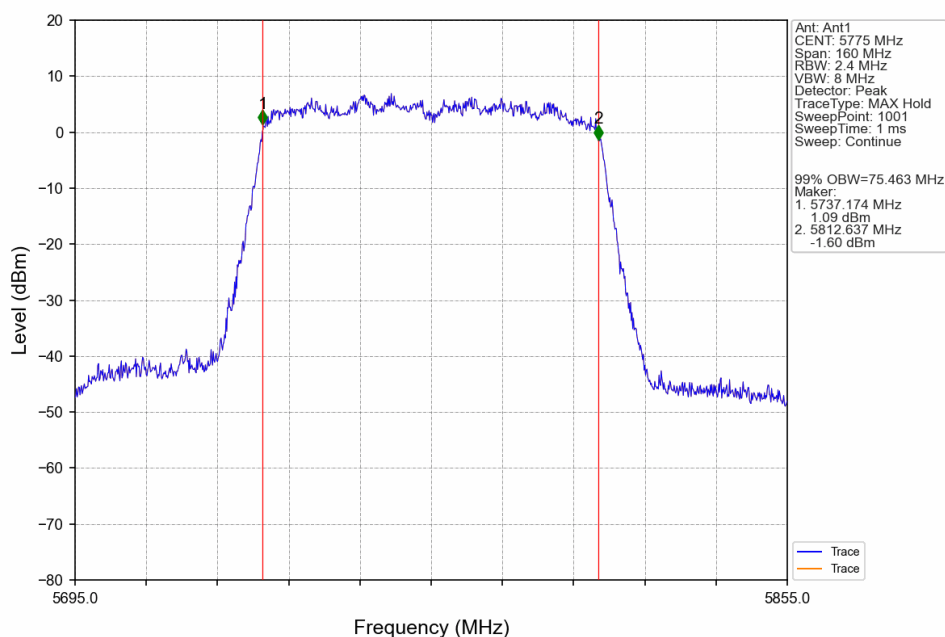
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802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



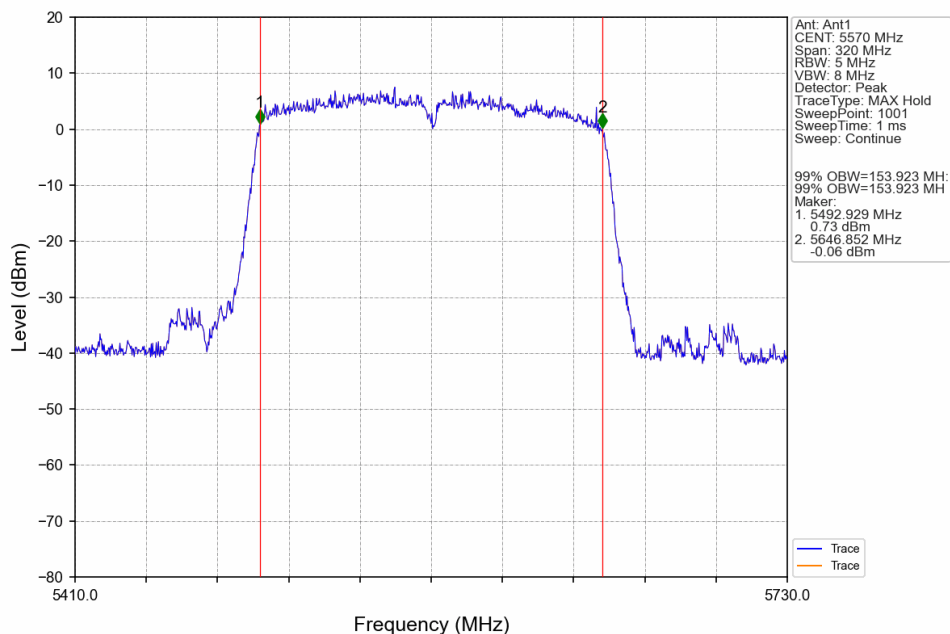
802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



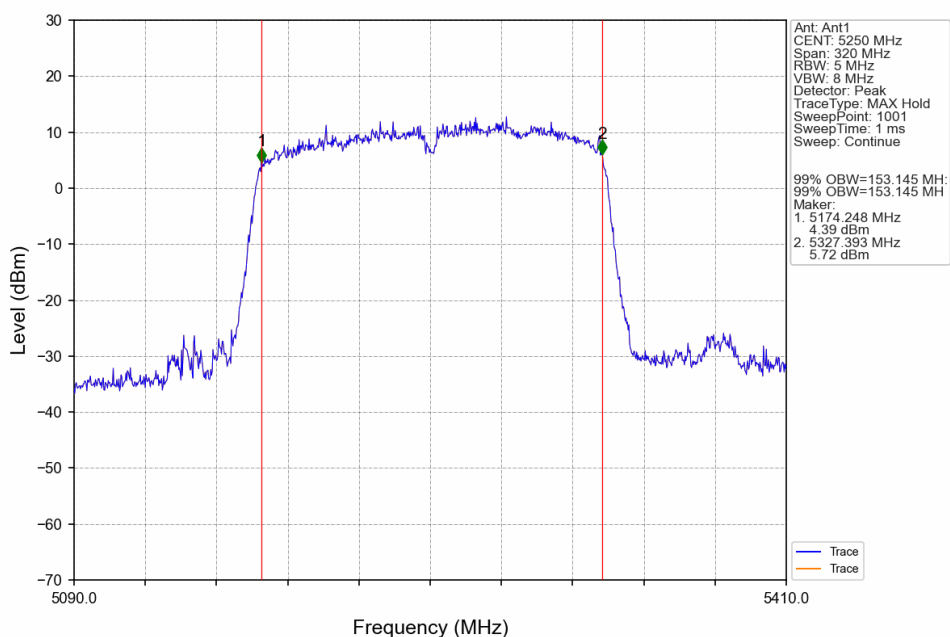
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802.11ac(VHT160)\_MCH\_5570MHz\_Ant1\_NTNV



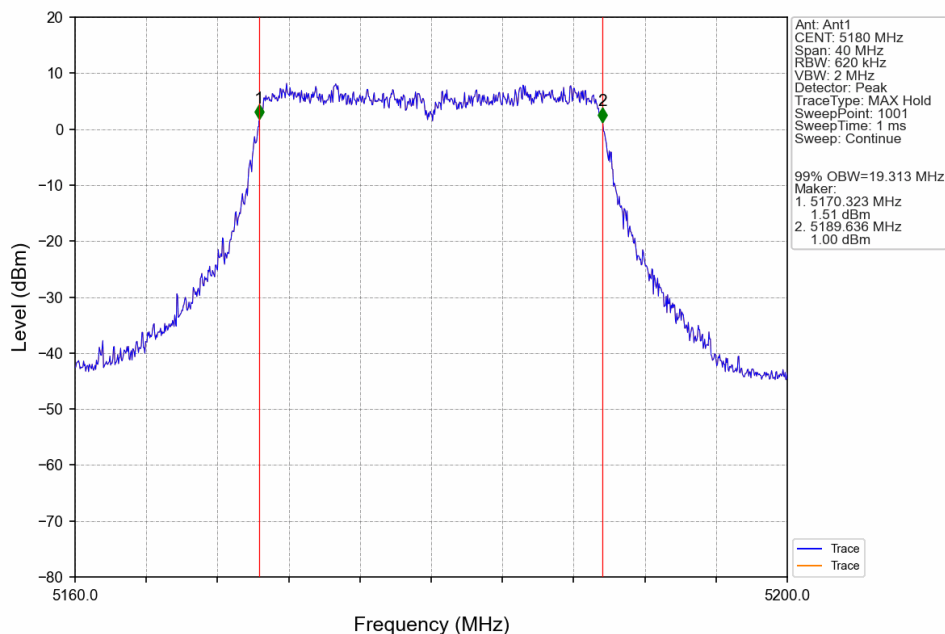
802.11ac(VHT160)\_MCH\_5250MHz\_Ant1\_NTNV



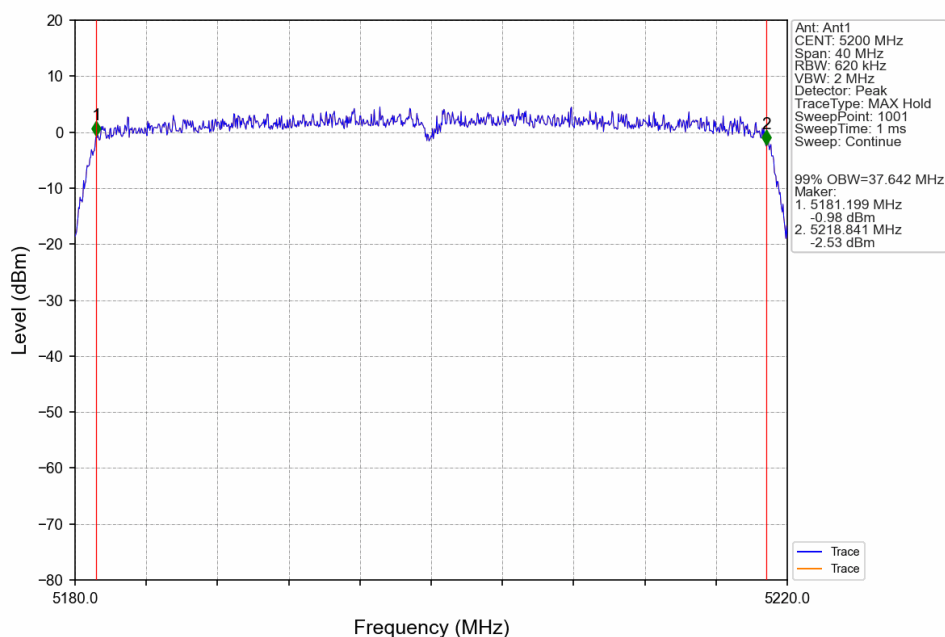
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802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV



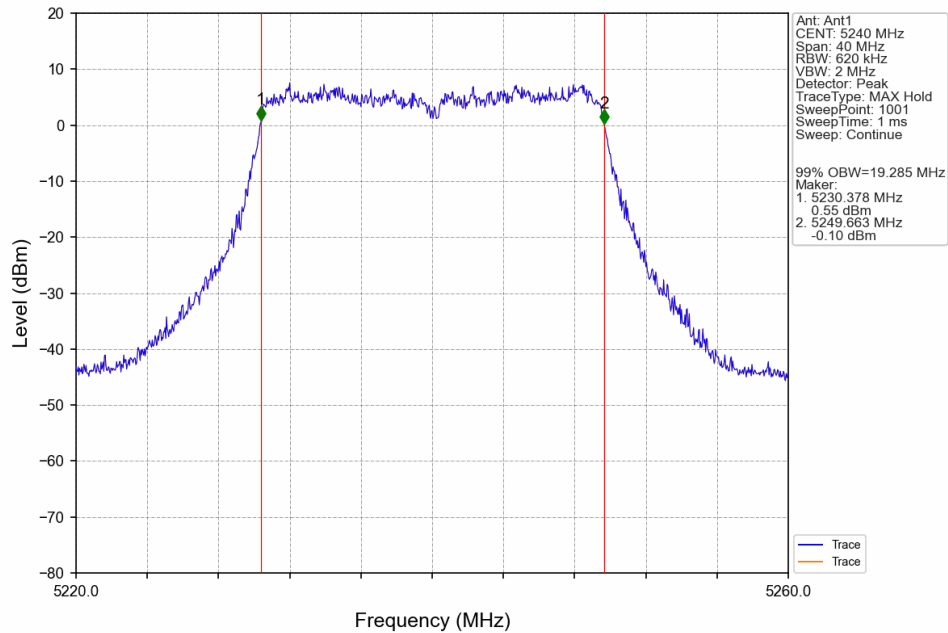
802.11ax(HEW20)\_MCH\_5200MHz\_RU242\_Left\_Ant1\_NTNV



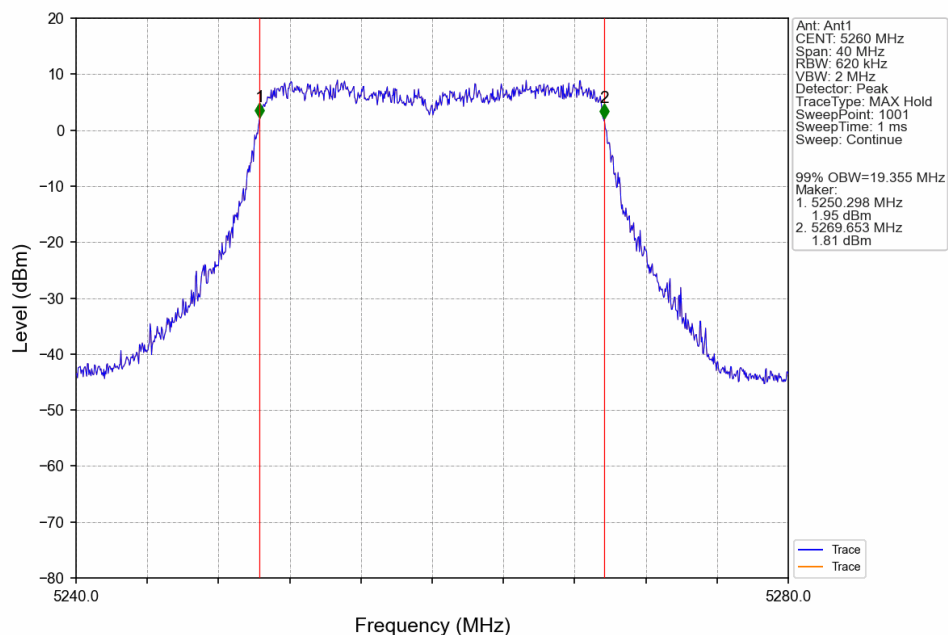
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### 802.11ax(HEW20)\_HCH\_5240MHz\_RU242\_Left\_Ant1\_NTNV



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

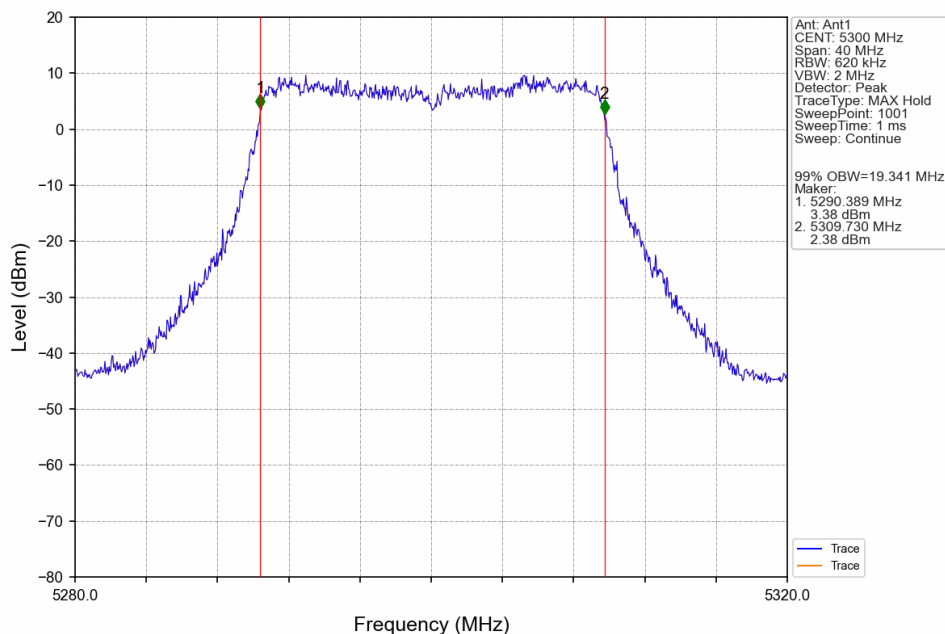


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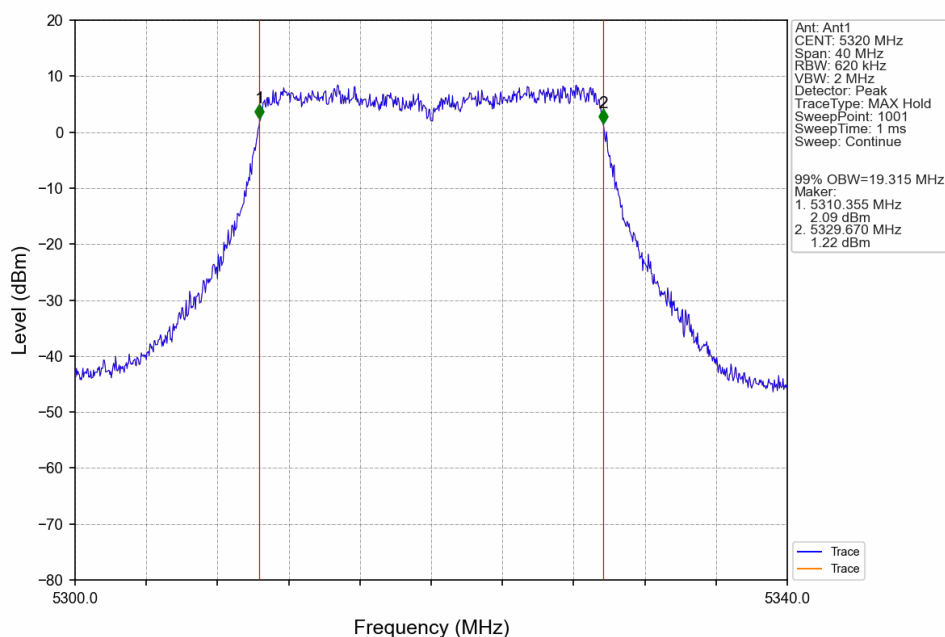
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802.11ax(HEW20)\_MCH\_5300MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW20)\_HCH\_5320MHz\_RU242\_Left\_Ant1\_NTNV

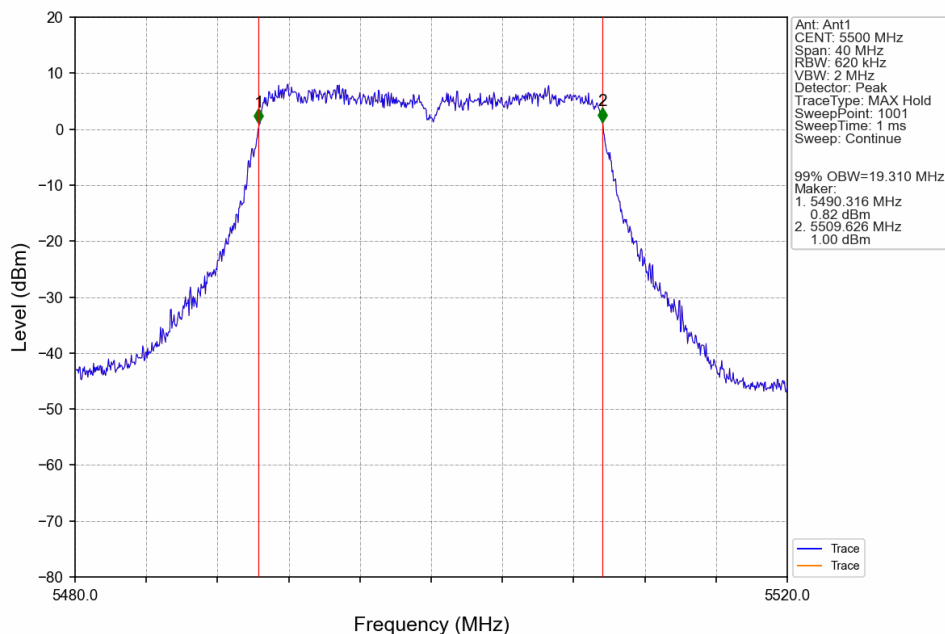


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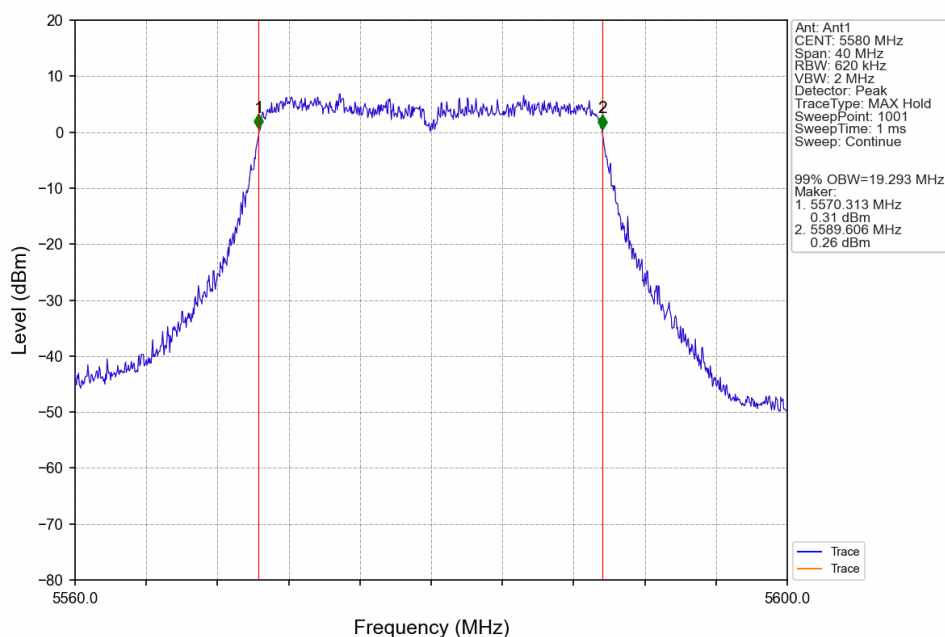
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802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV



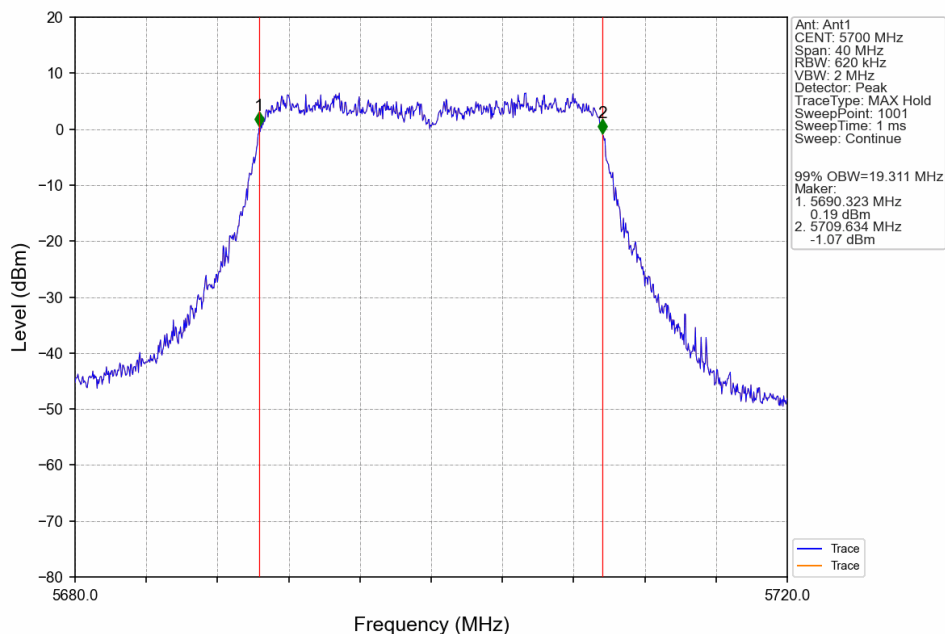
802.11ax(HEW20)\_MCH\_5580MHz\_RU242\_Left\_Ant1\_NTNV



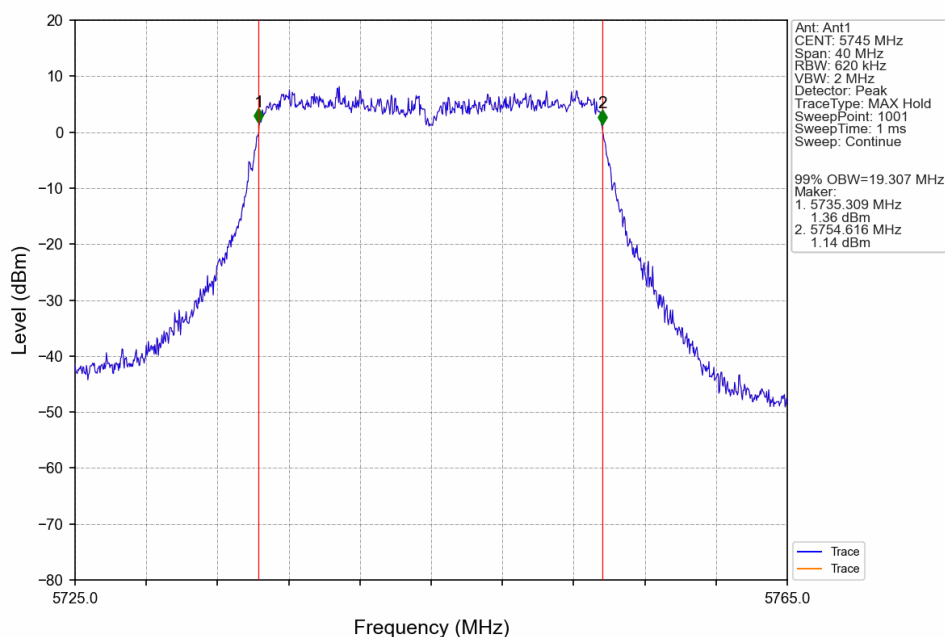
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802.11ax(HEW20)\_HCH\_5700MHz\_RU242\_Left\_Ant1\_NTNV



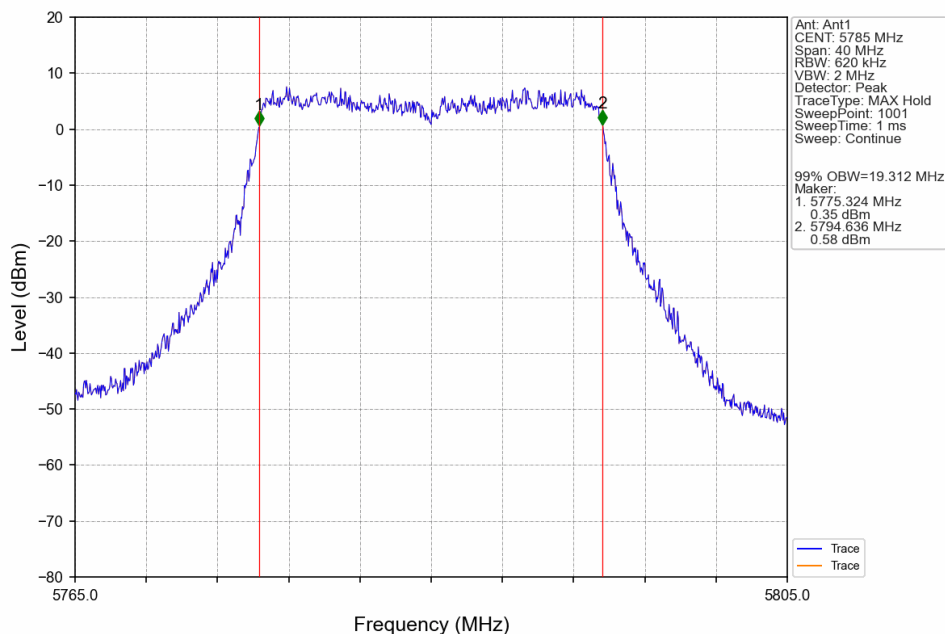
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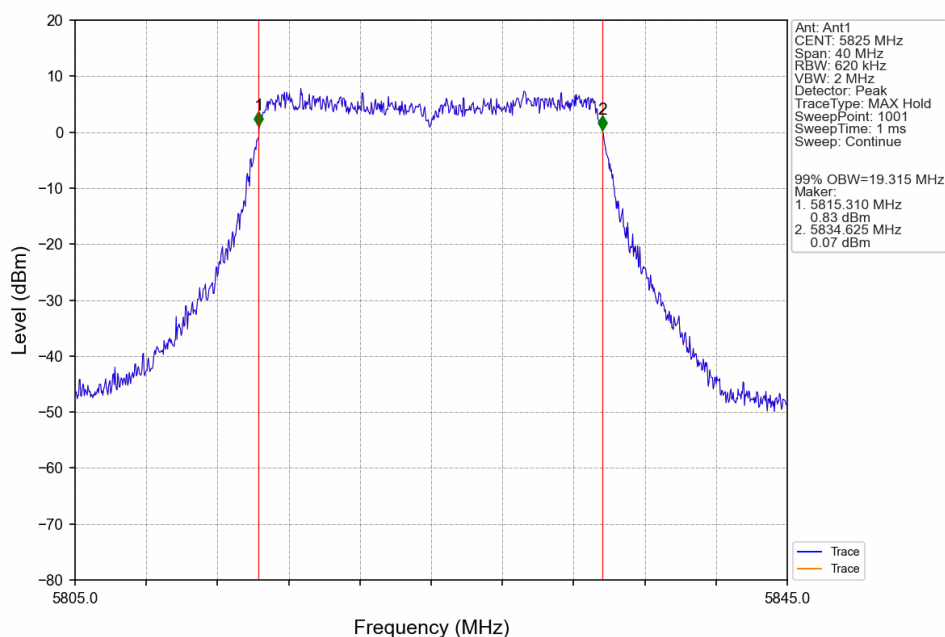
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802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



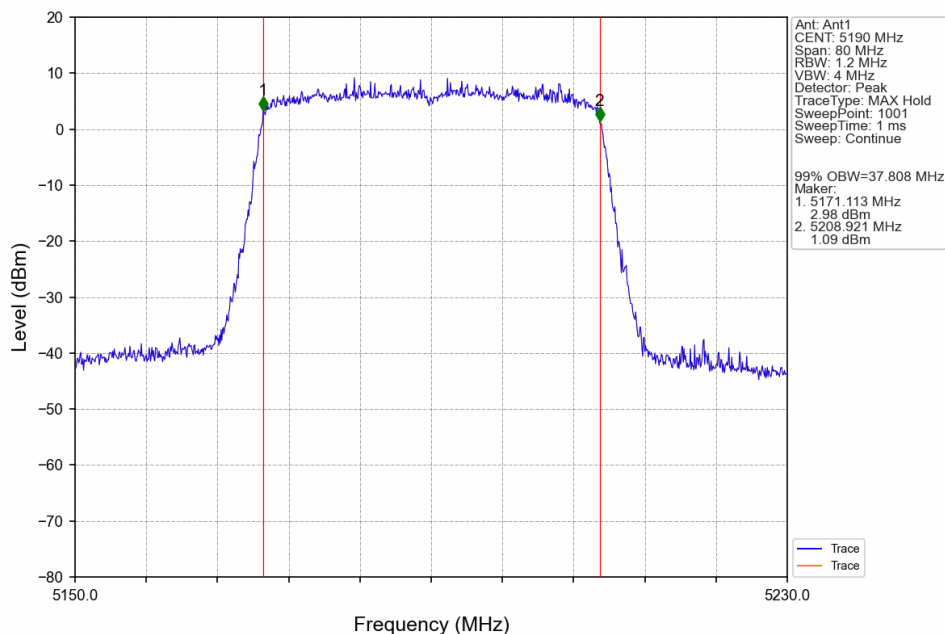
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



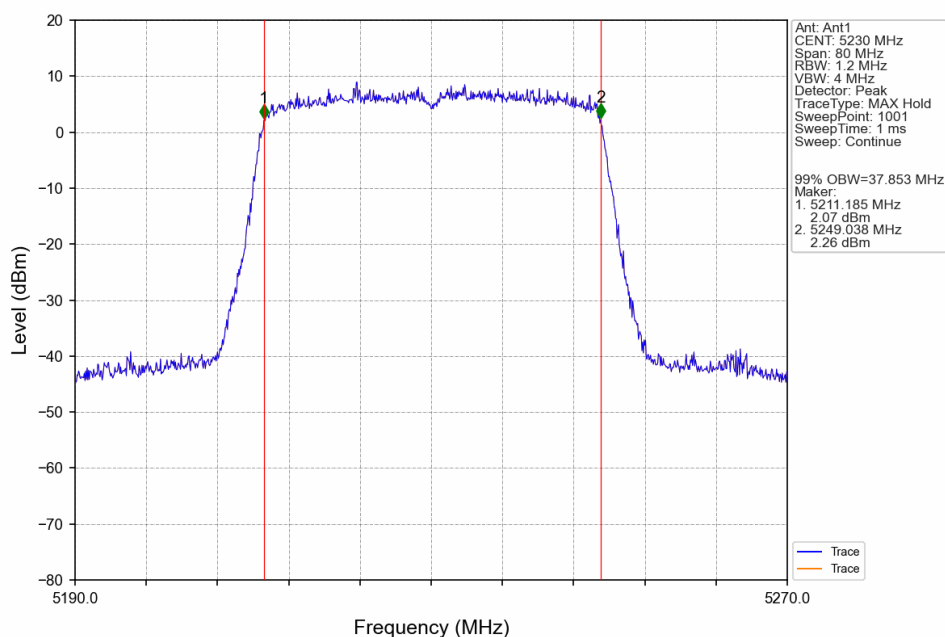
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802.11ax(HEW40)\_LCH\_5190MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_5230MHz\_RU484\_Left\_Ant1\_NTNV

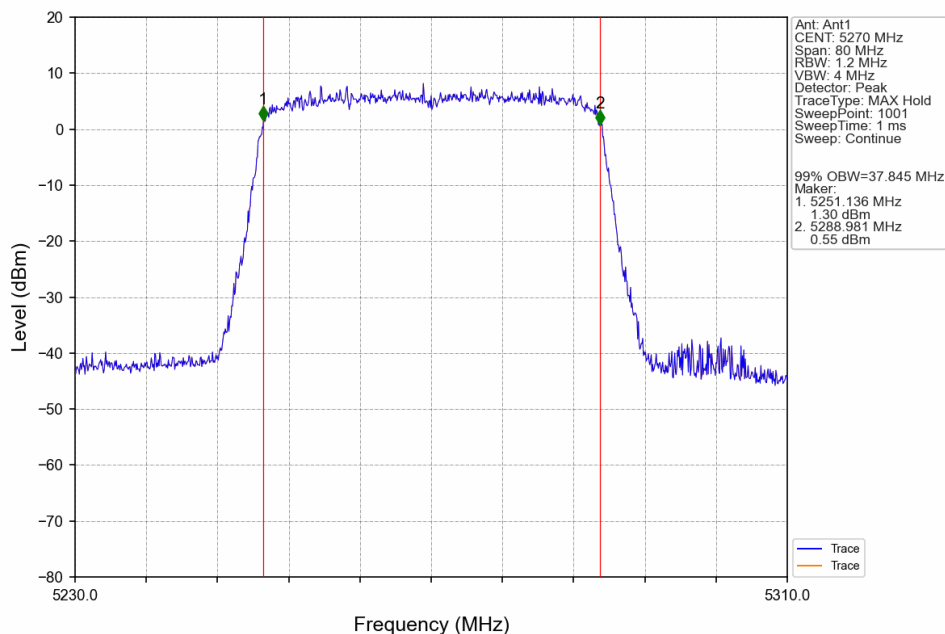


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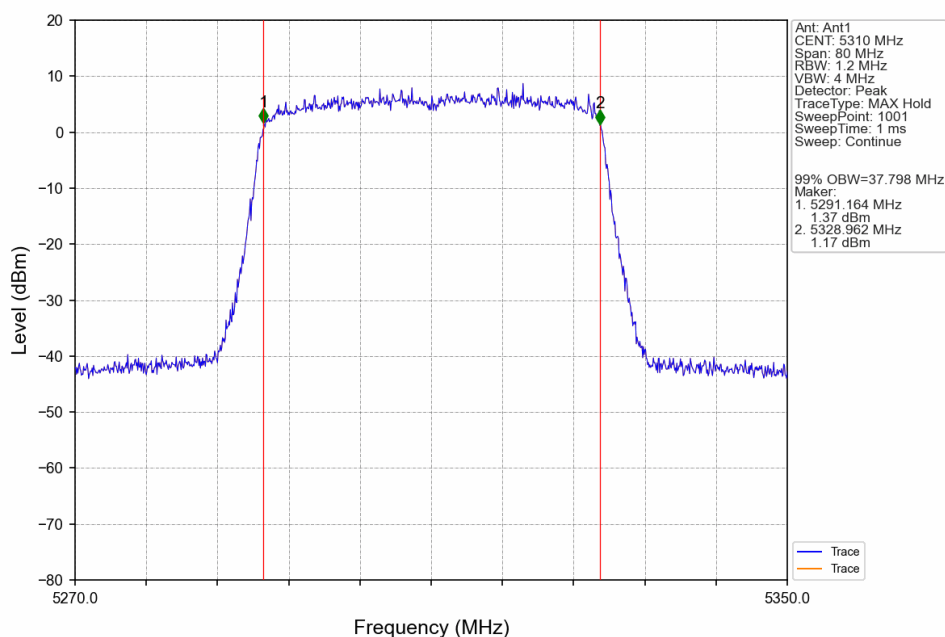
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802.11ax(HEW40)\_LCH\_5270MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_5310MHz\_RU484\_Left\_Ant1\_NTNV

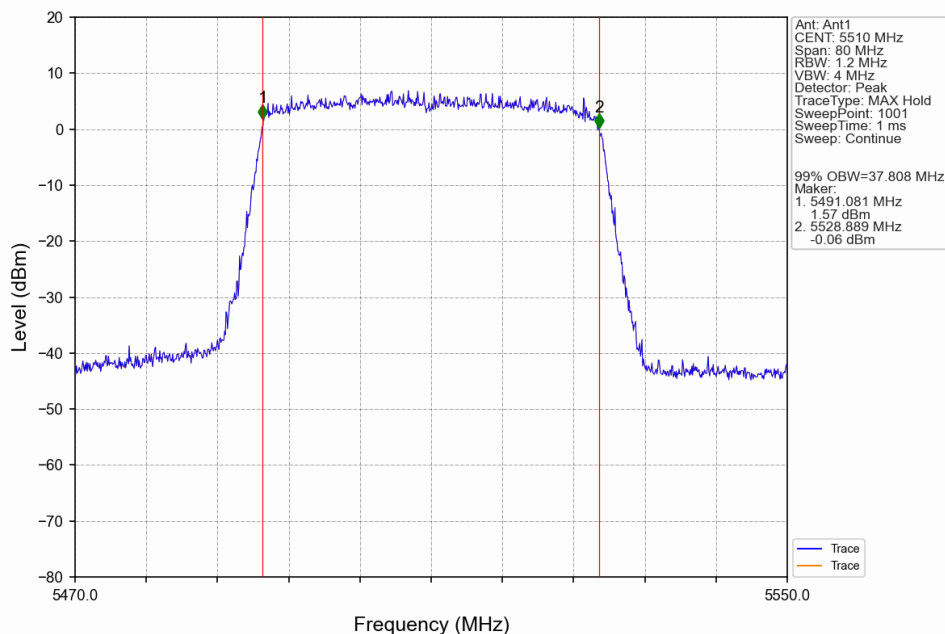


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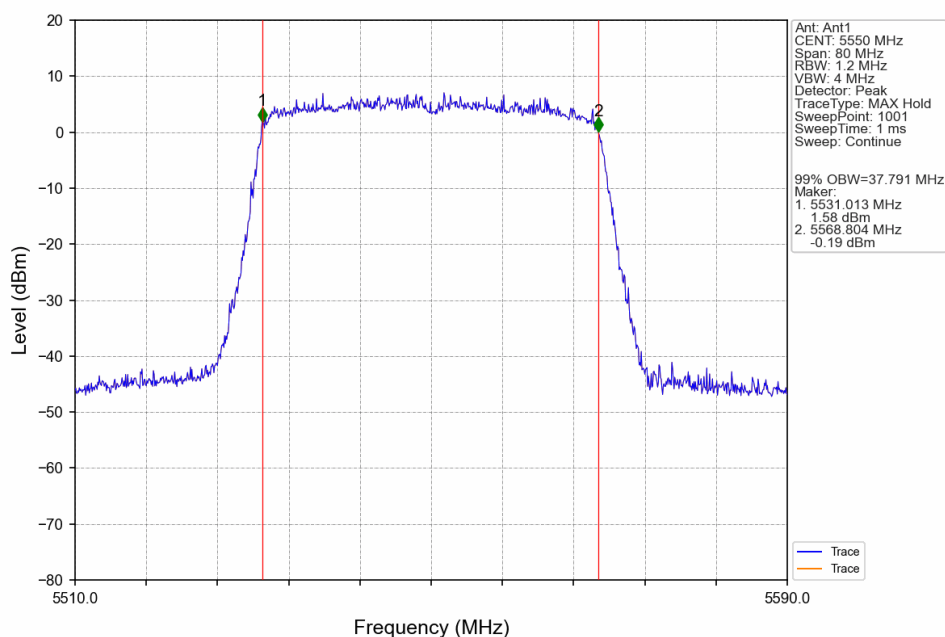
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802.11ax(HEW40)\_LCH\_5510MHz\_RU484\_Left\_Ant1\_NTNV



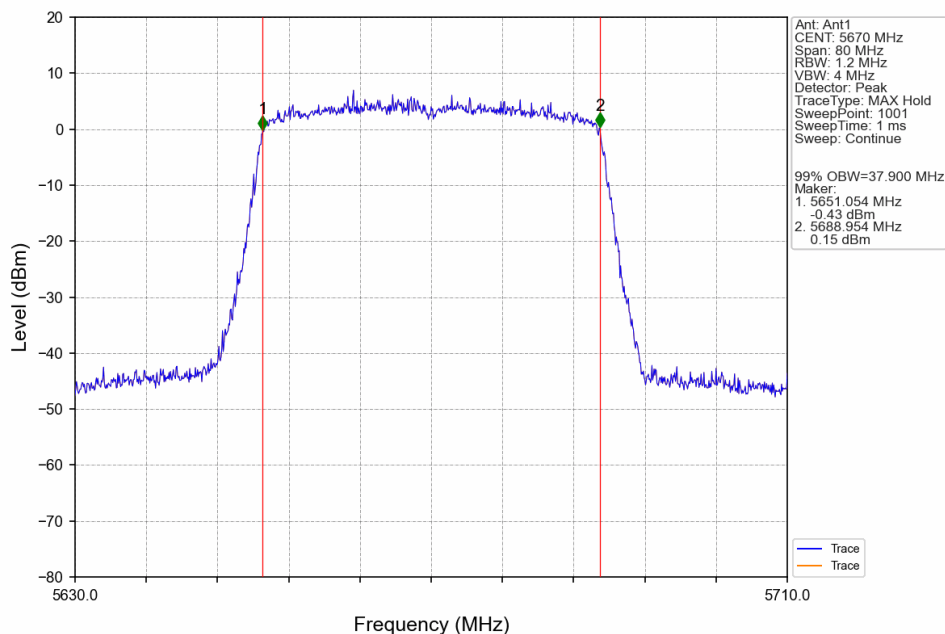
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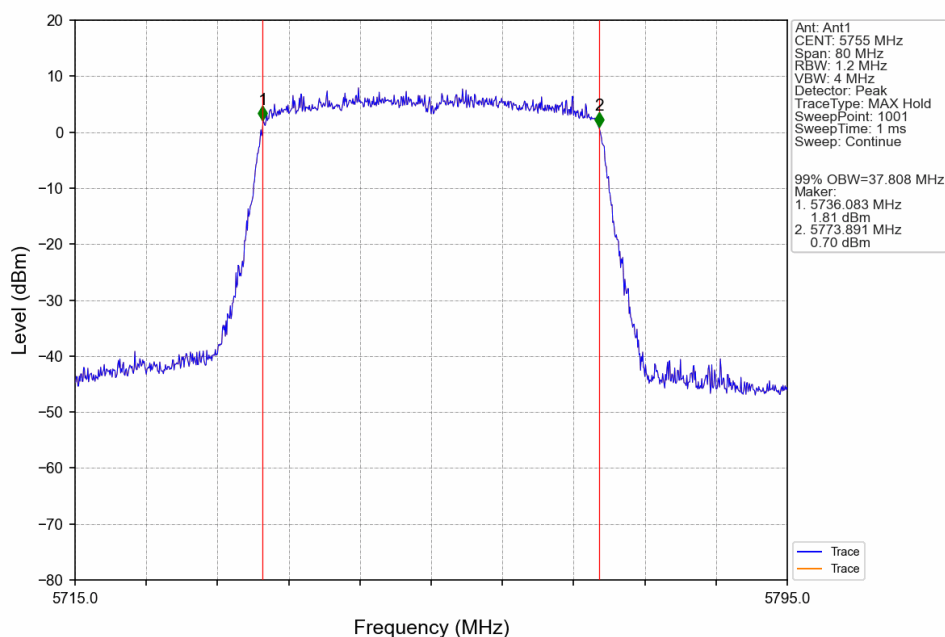
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802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant1\_NTNV



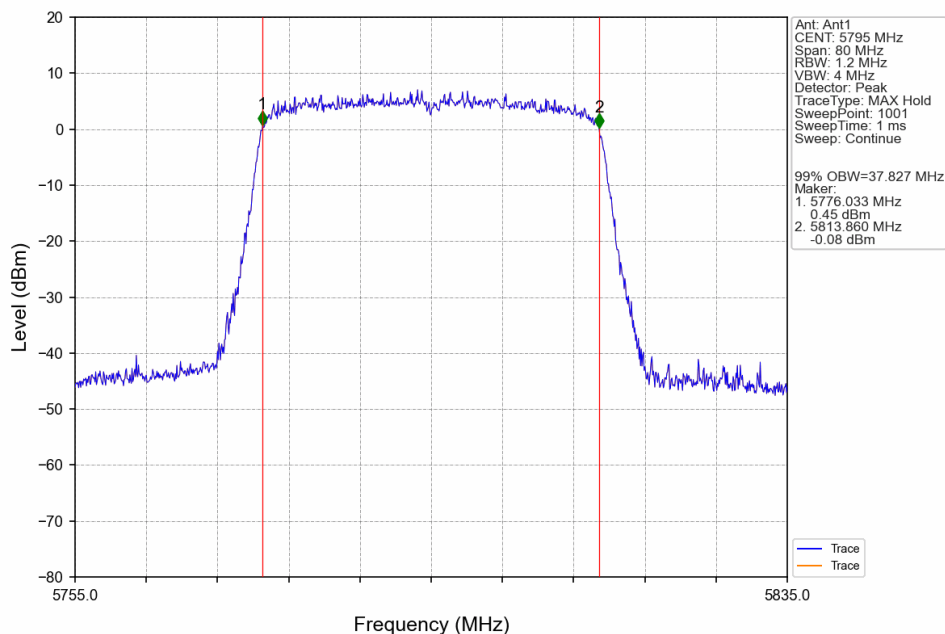
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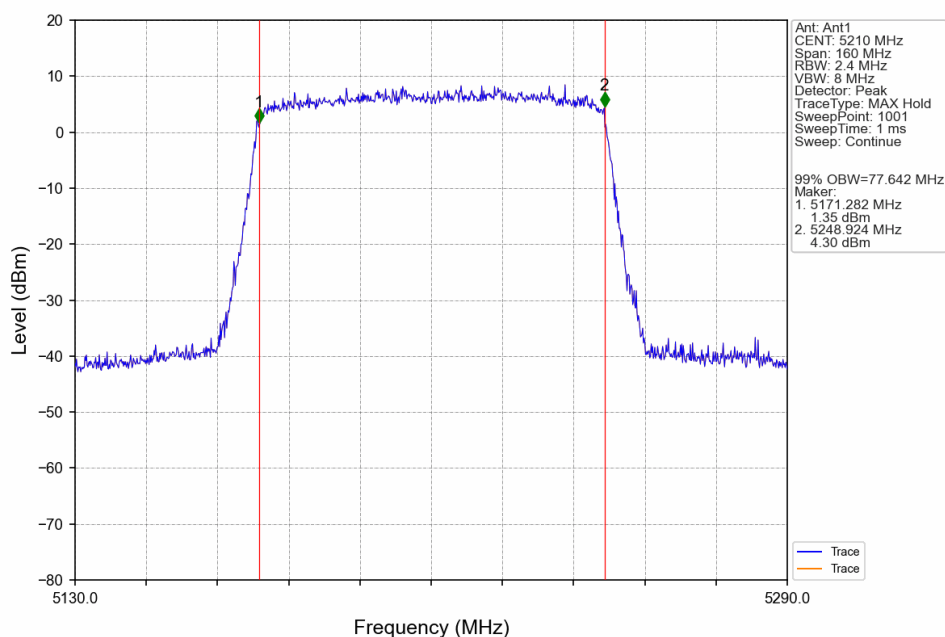
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802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



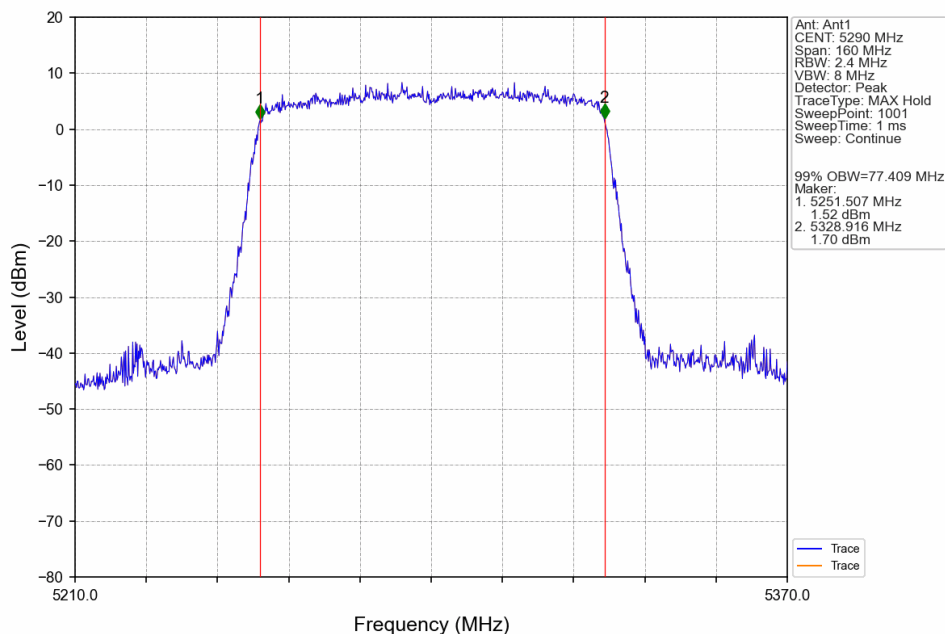
802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV



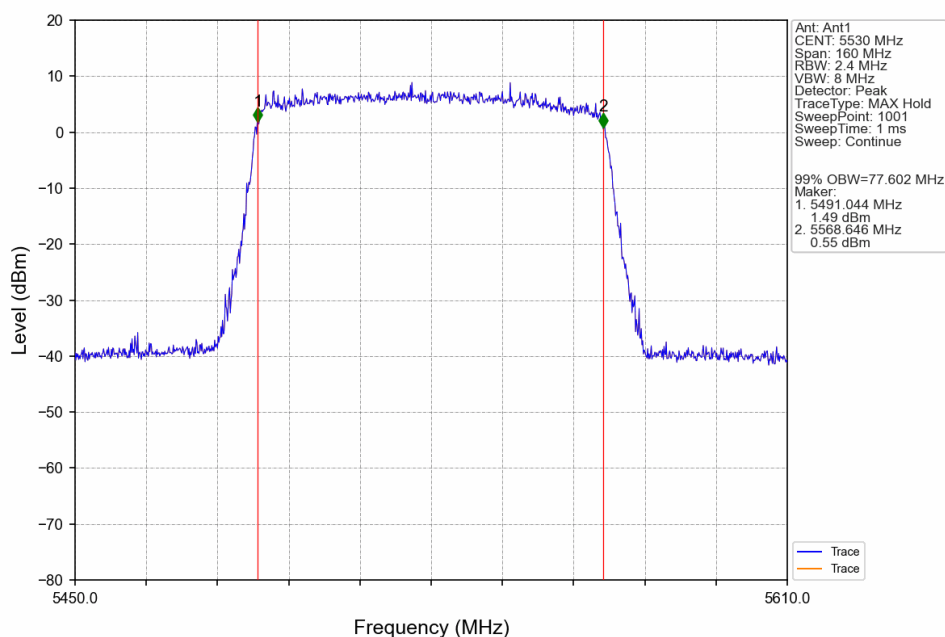
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802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant1\_NTNV



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

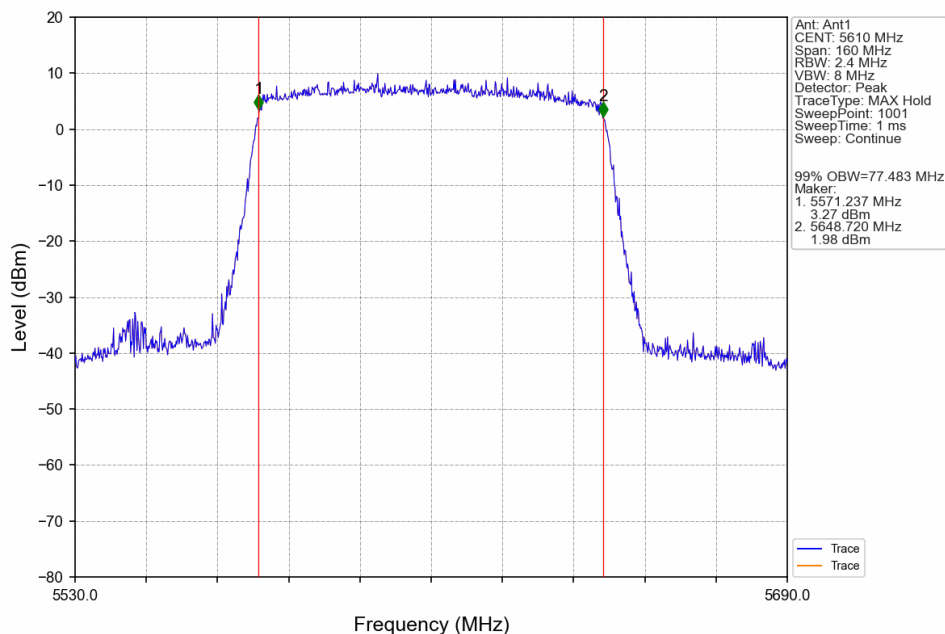


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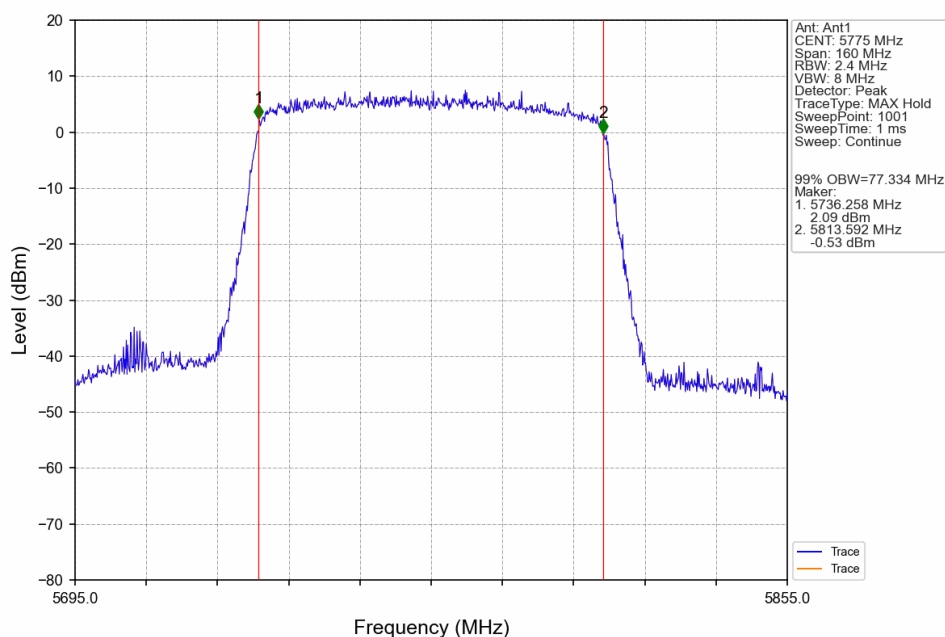
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802.11ax(HEW80)\_HCH\_5610MHz\_RU996\_Left\_Ant1\_NTNV



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

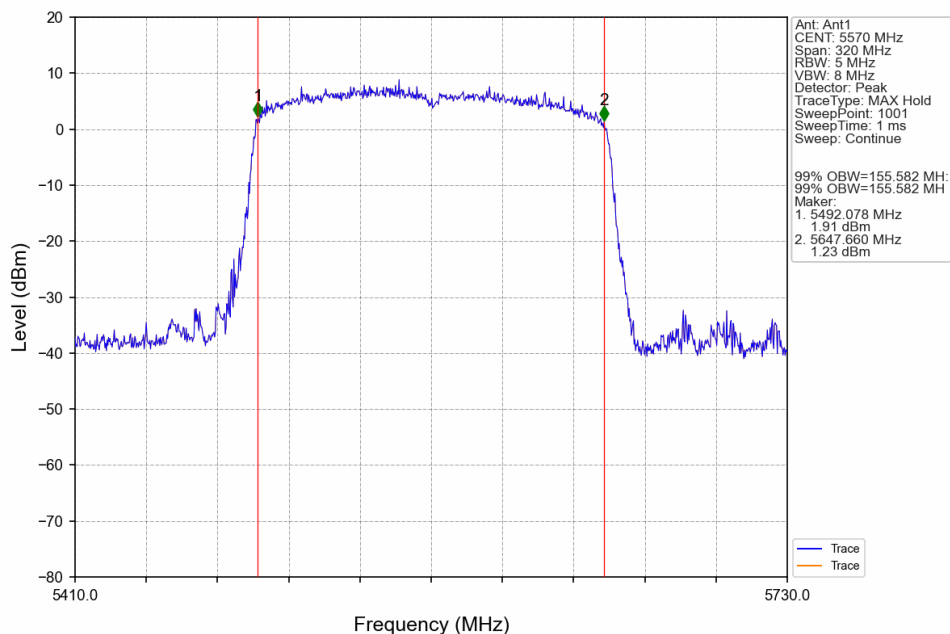


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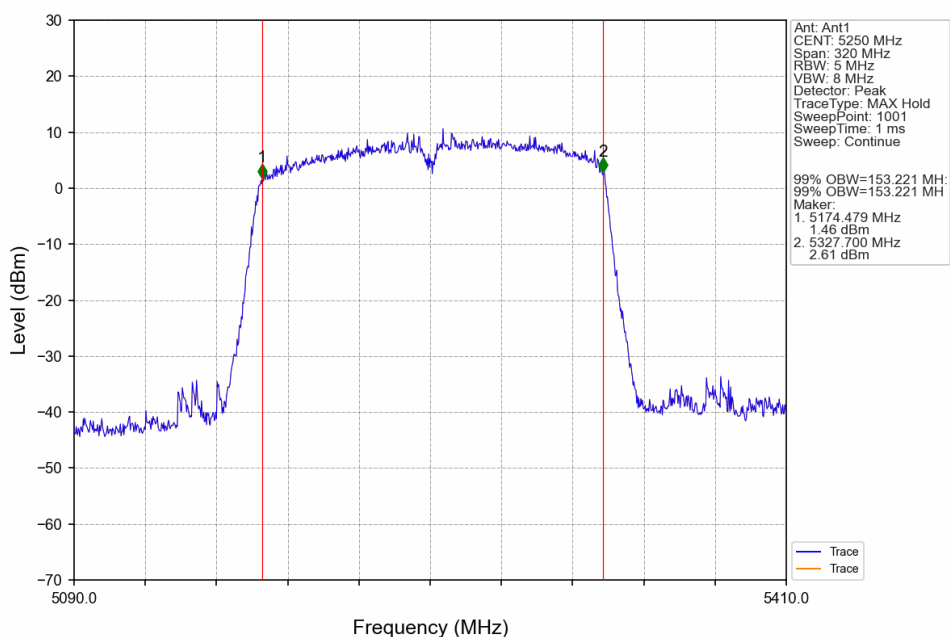
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802.11ax(HEW160)\_MCH\_5570MHz\_2xRU996\_Left\_Ant1\_NTNV



802.11ax(HEW160)\_MCH\_5250MHz\_2xRU996\_Left\_Ant1\_NTNV

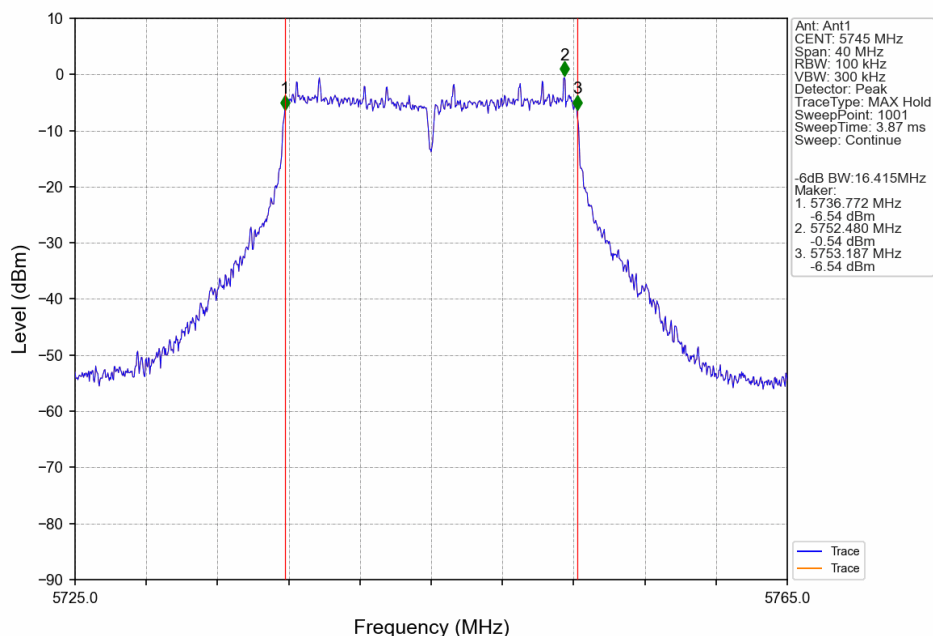


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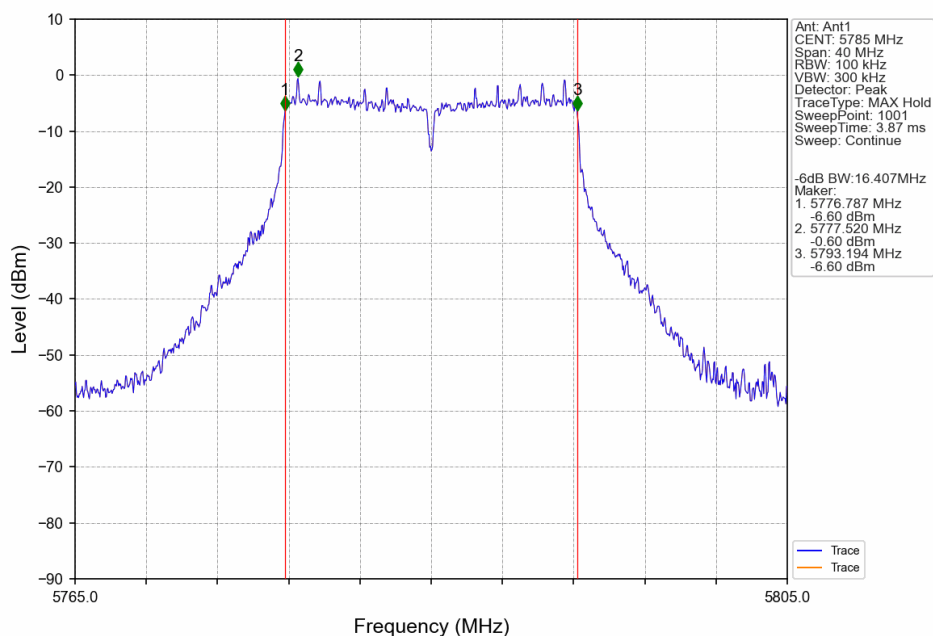
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### 2.2.2 6dB BW

802.11a\_LCH\_5745MHz\_Ant1\_NTNV



802.11a\_MCH\_5785MHz\_Ant1\_NTNV



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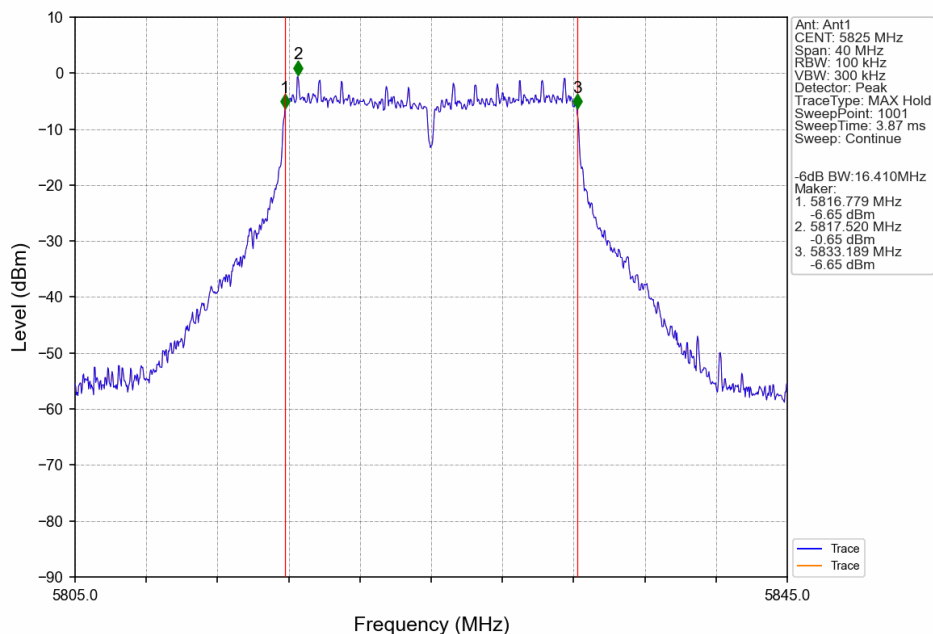
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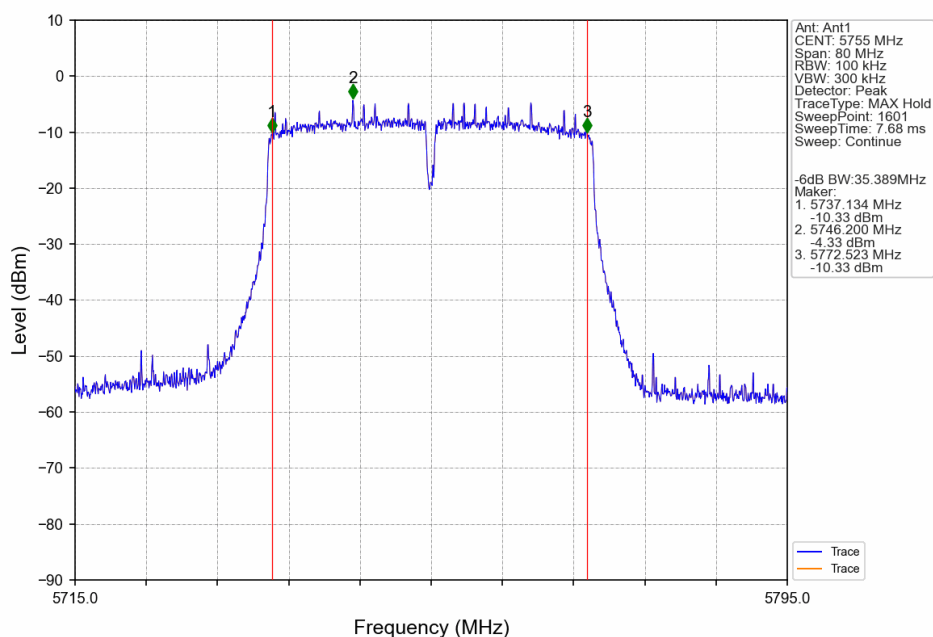
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663  
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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t (86-20) 82155555 sgs.china@sgs.com

802.11a\_HCH\_5825MHz\_Ant1\_NTNV



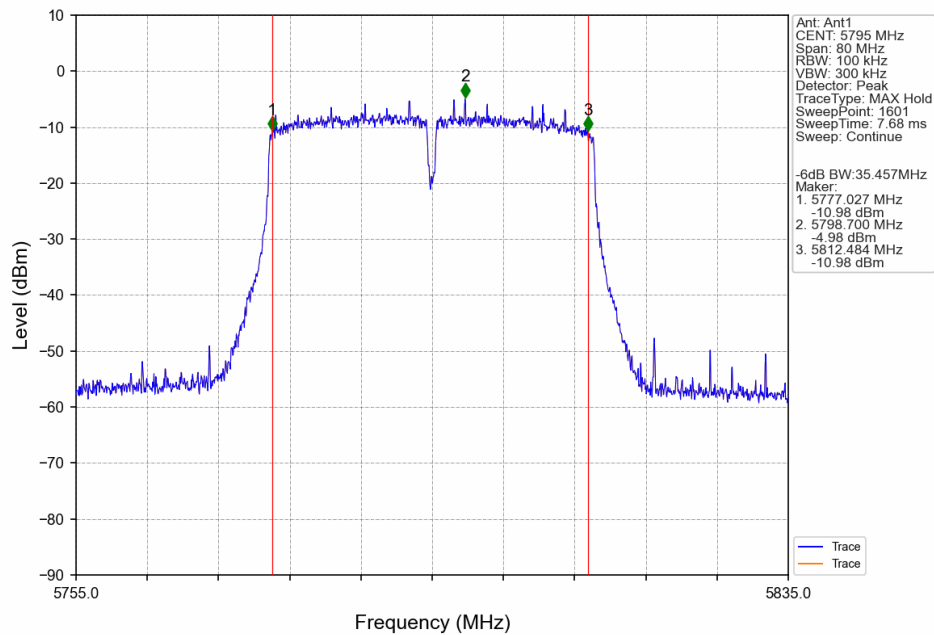
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



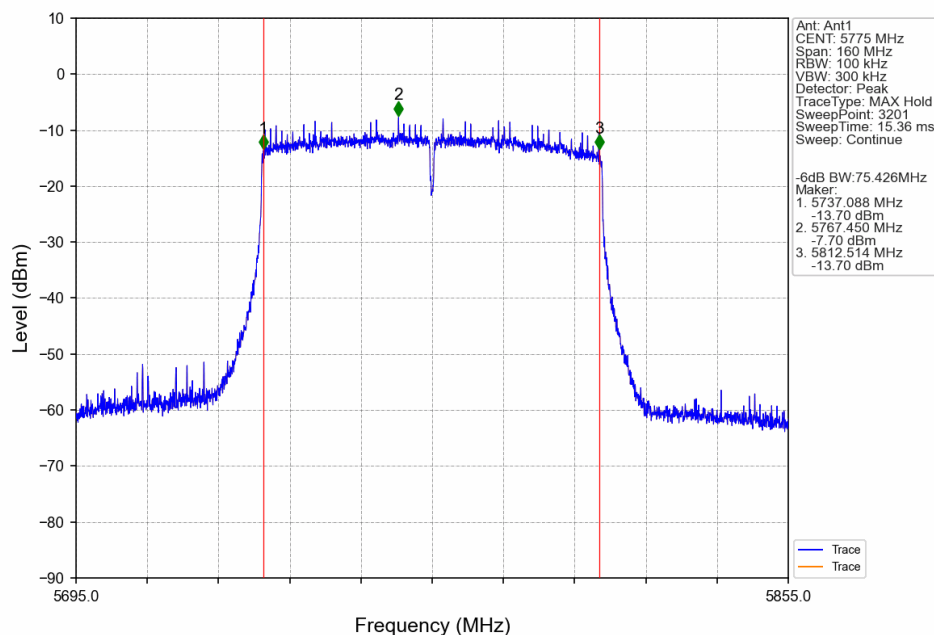
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



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

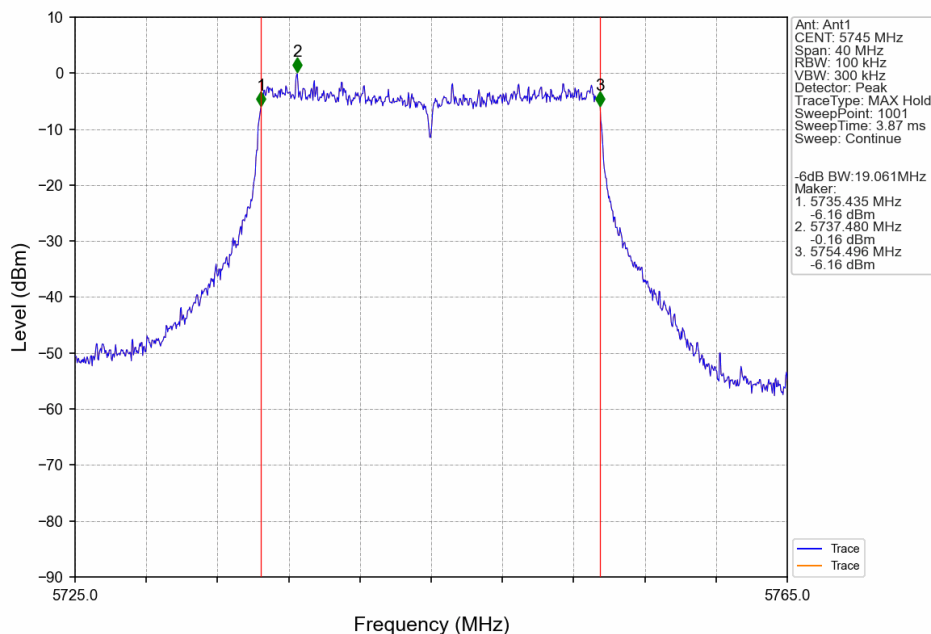


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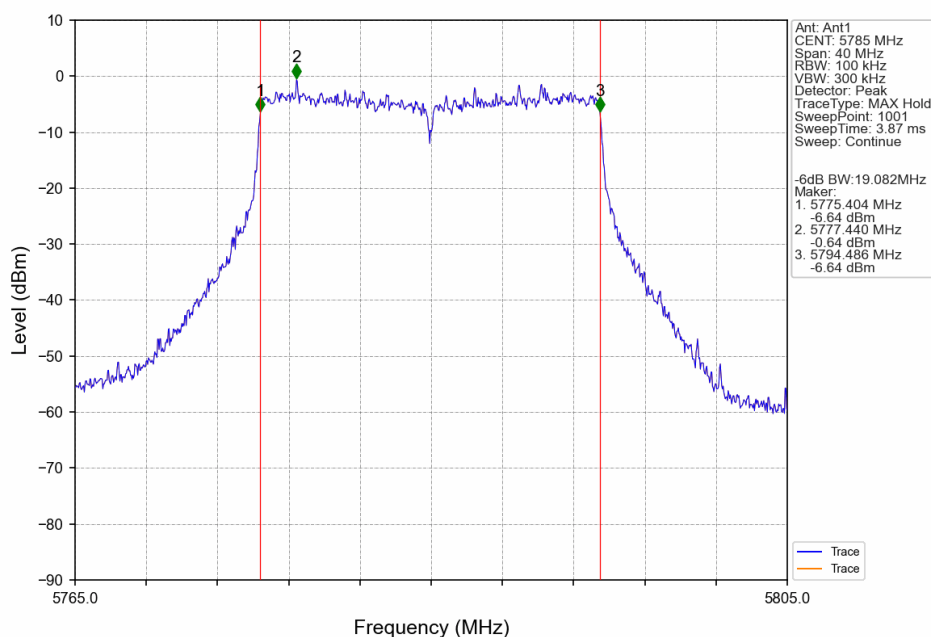
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802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



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



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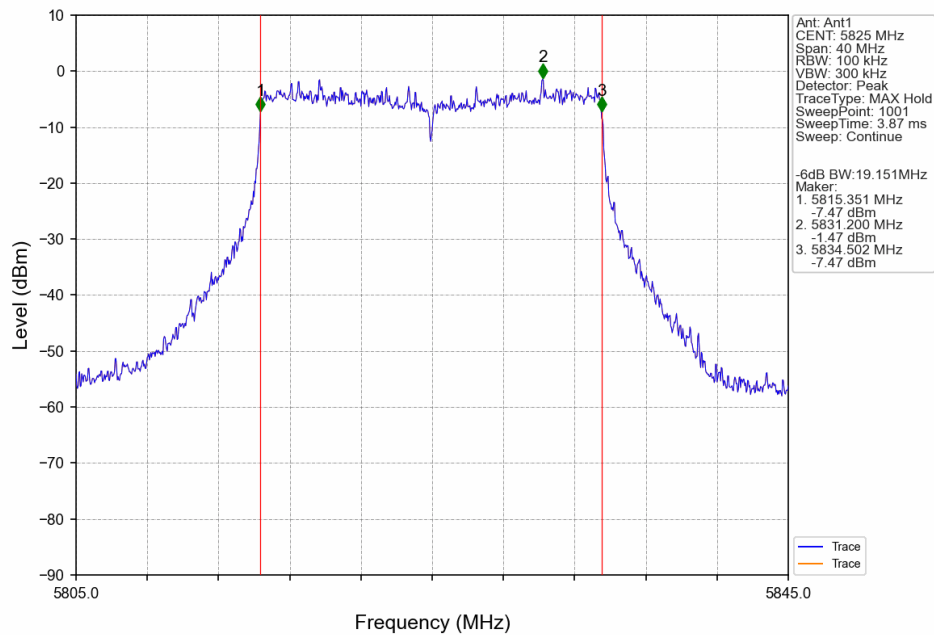
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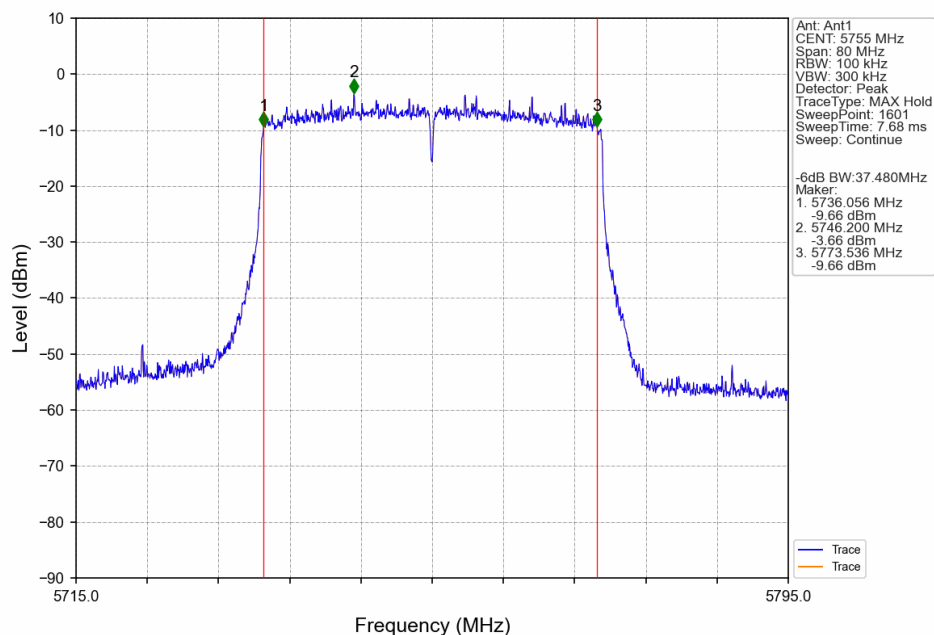
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### 802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



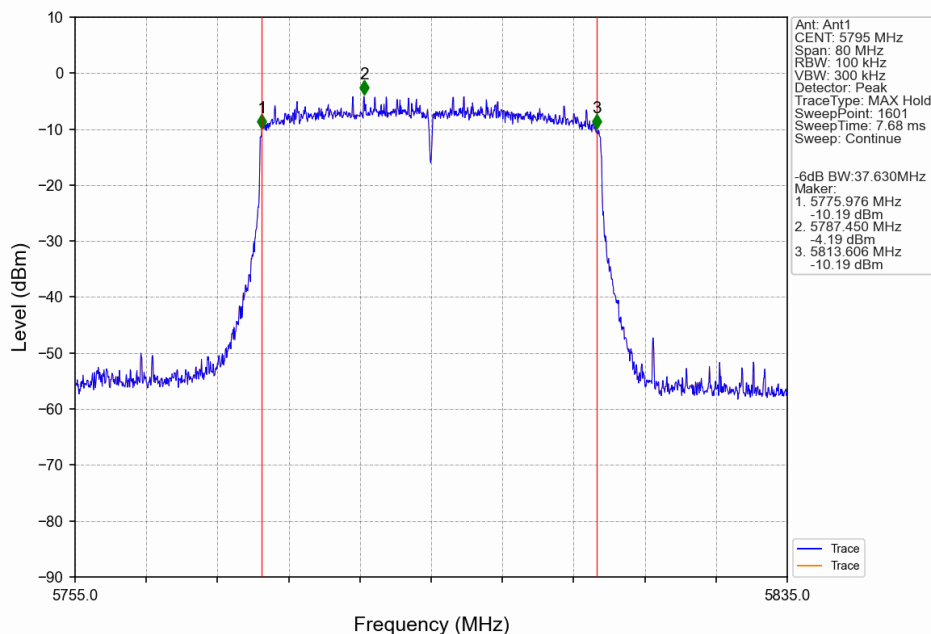
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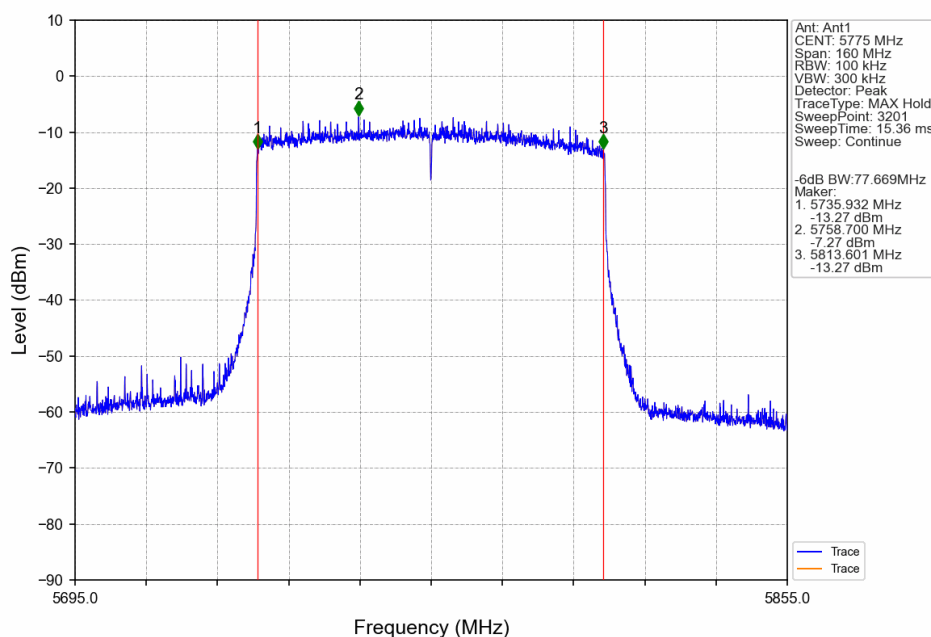
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802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



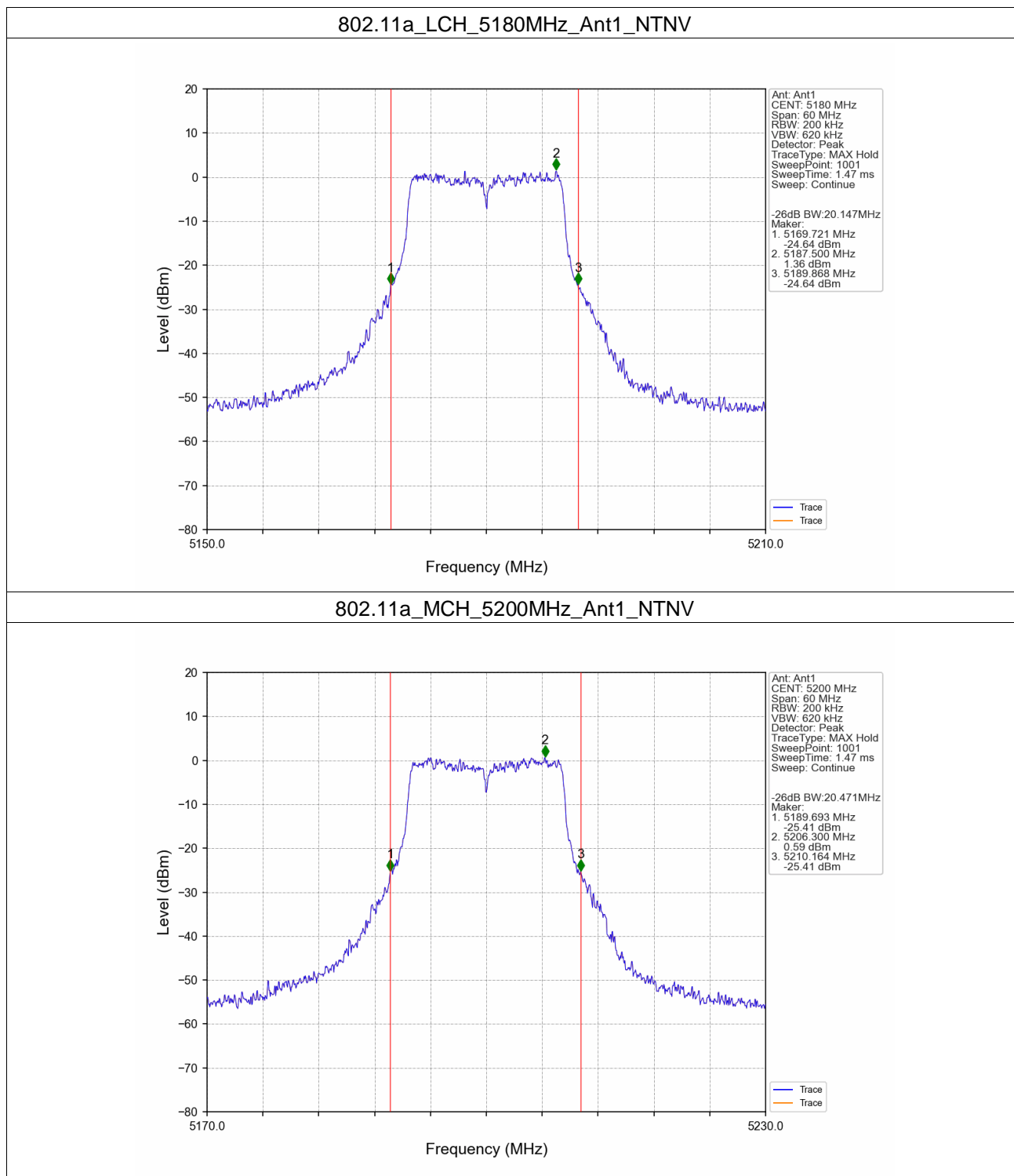
802.11ax(HEW80)\_MCH\_5775MHz\_RU996\_Left\_Ant1\_NTNV



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### 2.2.3 26dB BW



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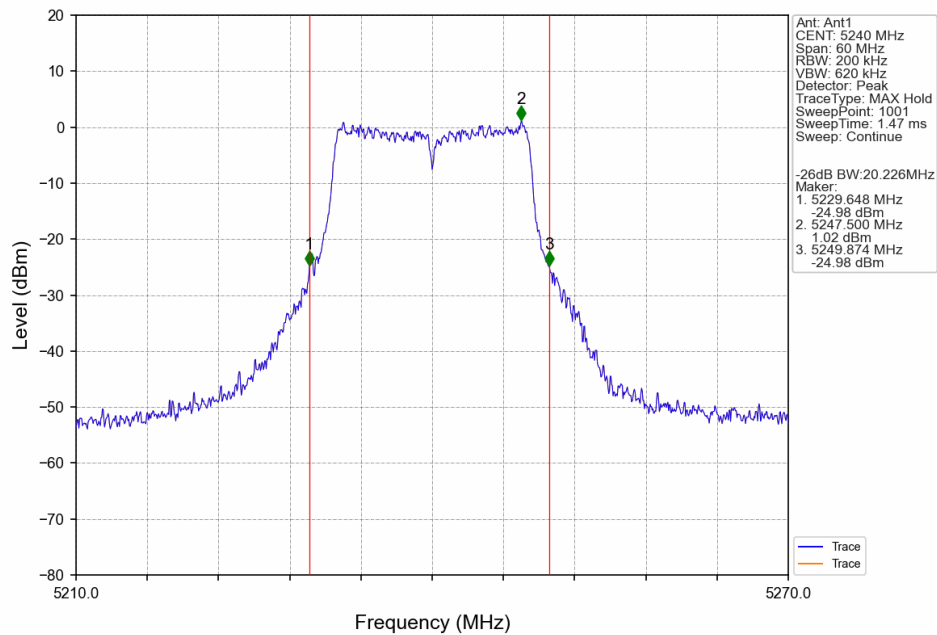
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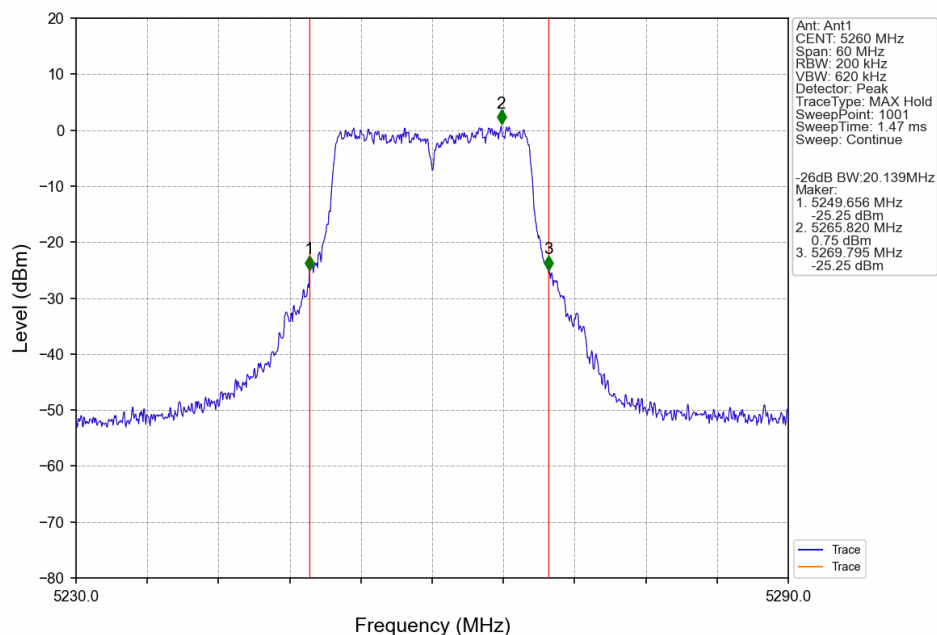
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5260MHz\_Ant1\_NTNV



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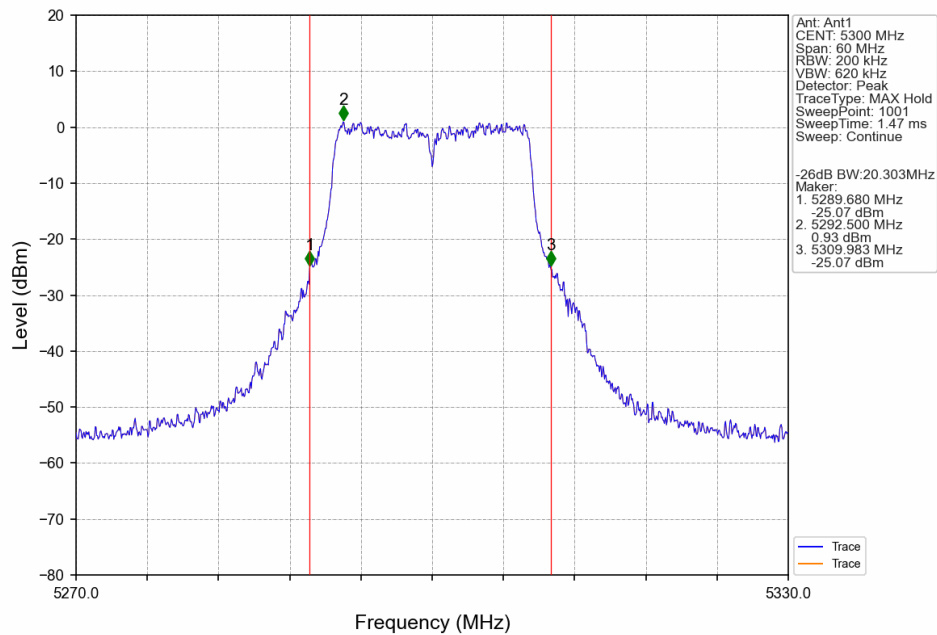
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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

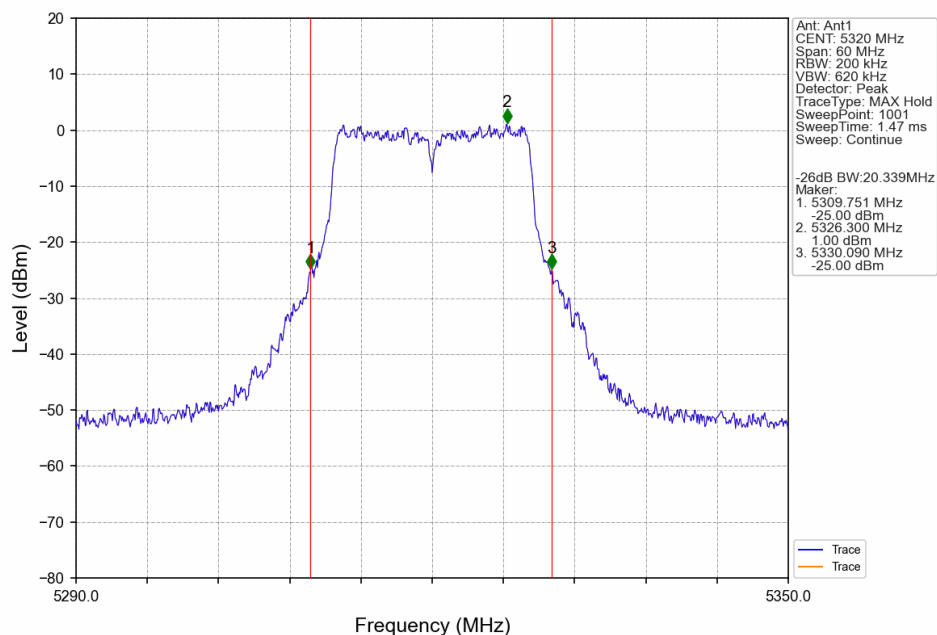
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV



802.11a\_HCH\_5320MHz\_Ant1\_NTNV

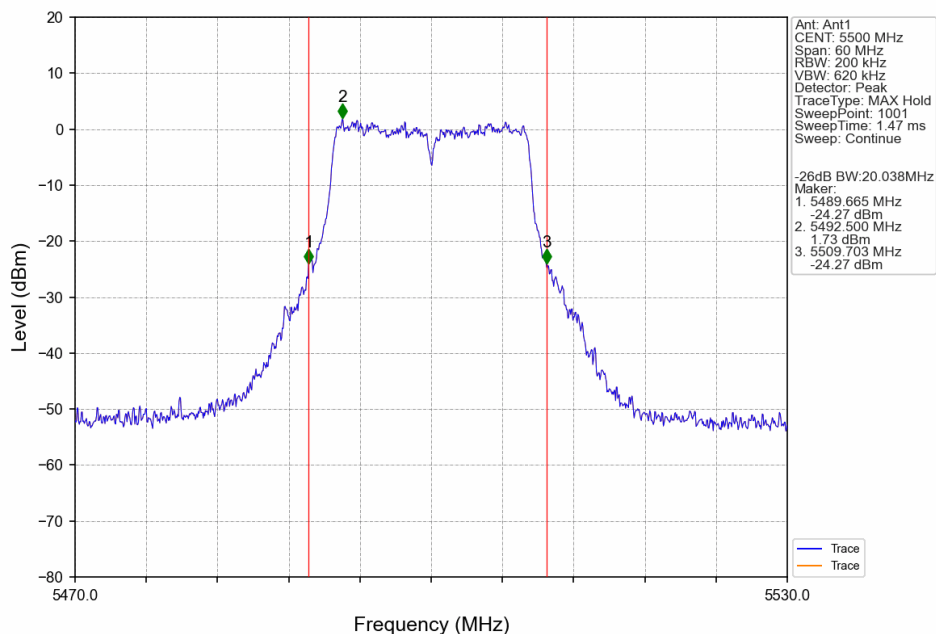


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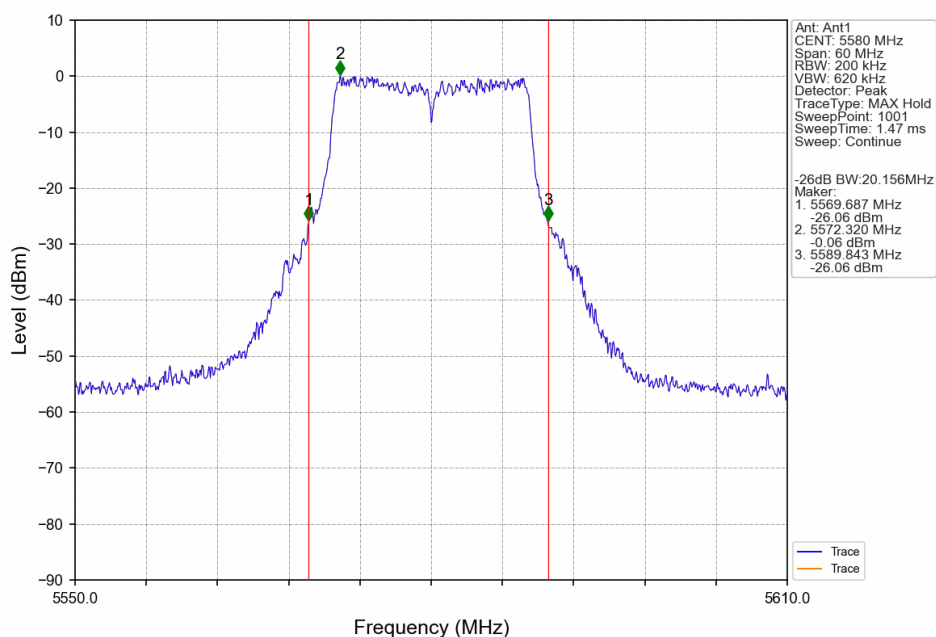
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



802.11a\_MCH\_5580MHz\_Ant1\_NTNV



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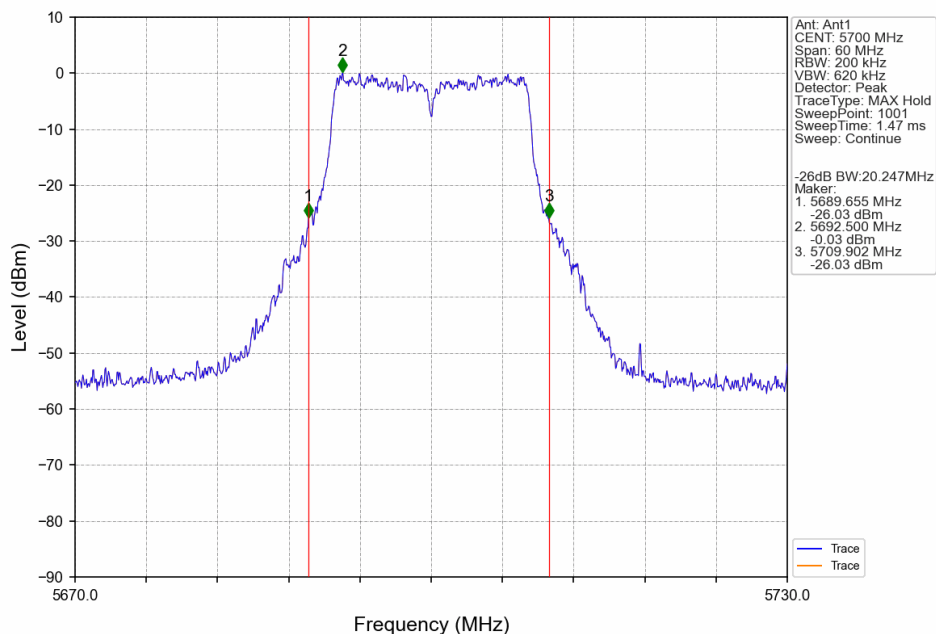
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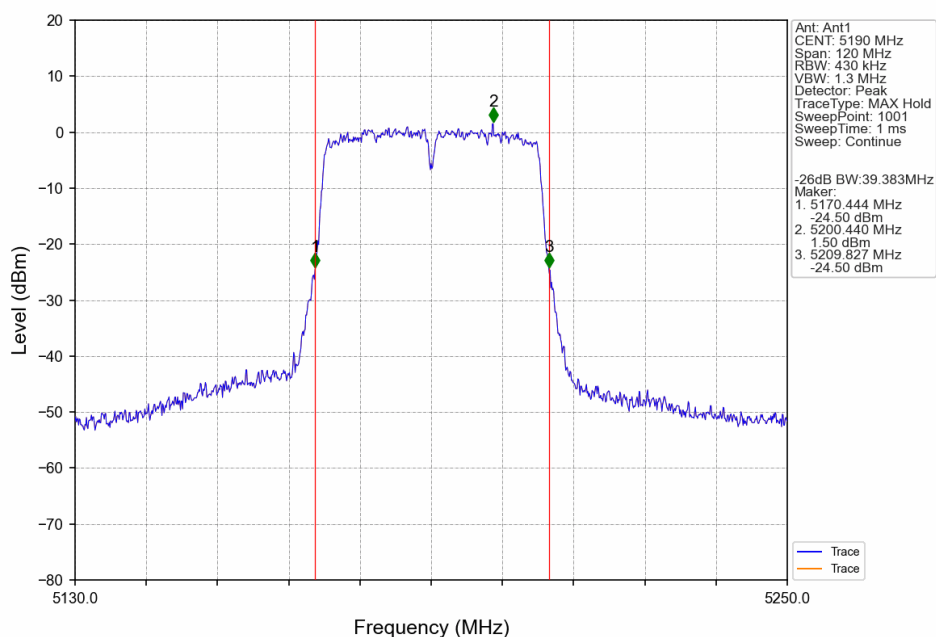
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t (86-20) 82155555 www.sgs.com  
t (86-20) 82155555 sgs.china@sgs.com

802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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



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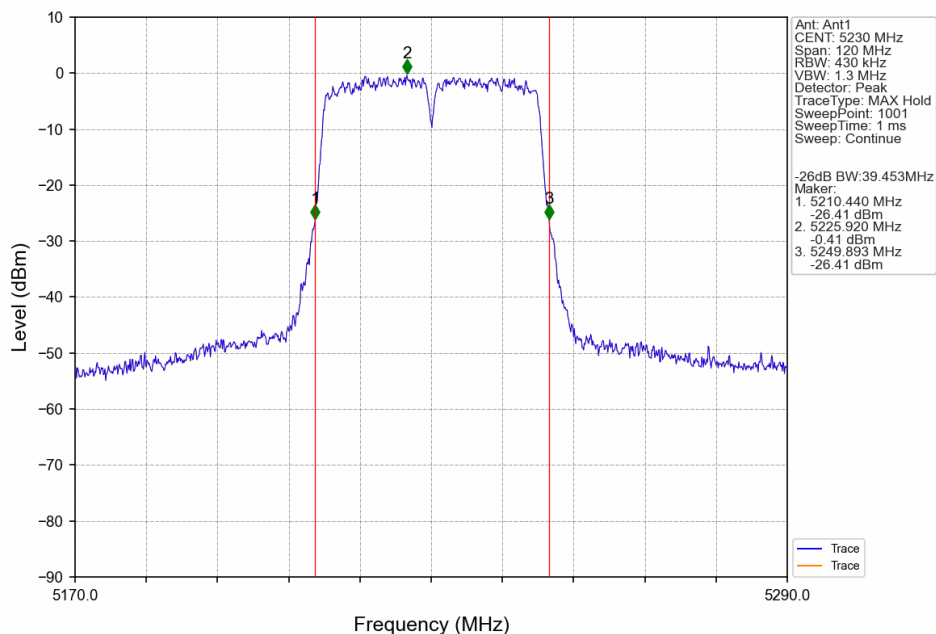
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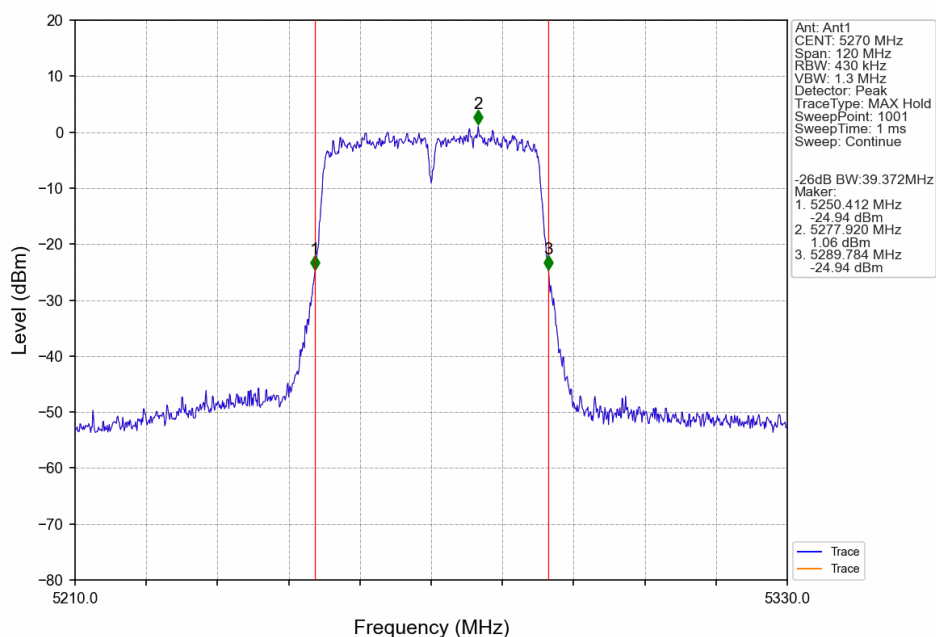
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



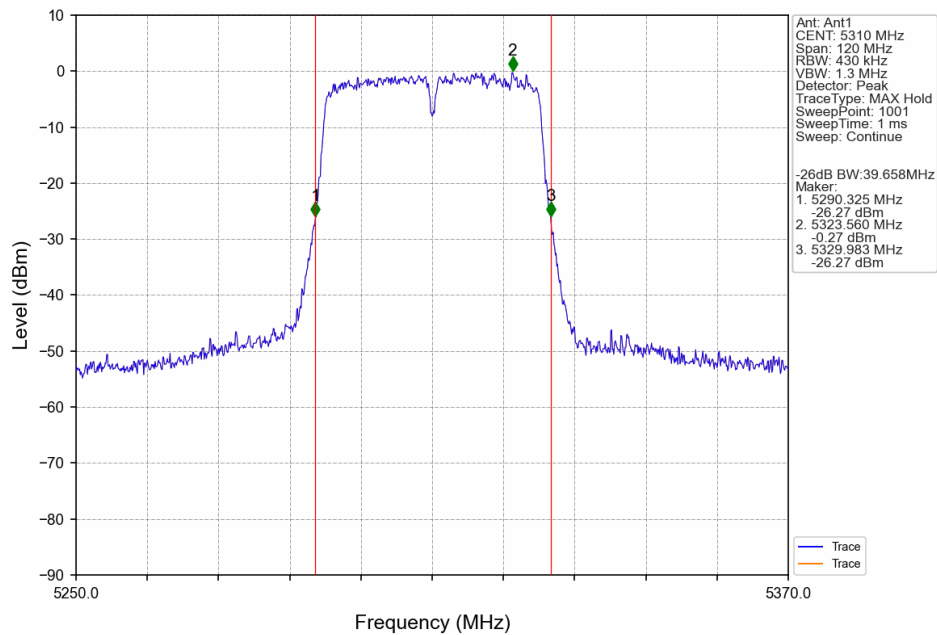
802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



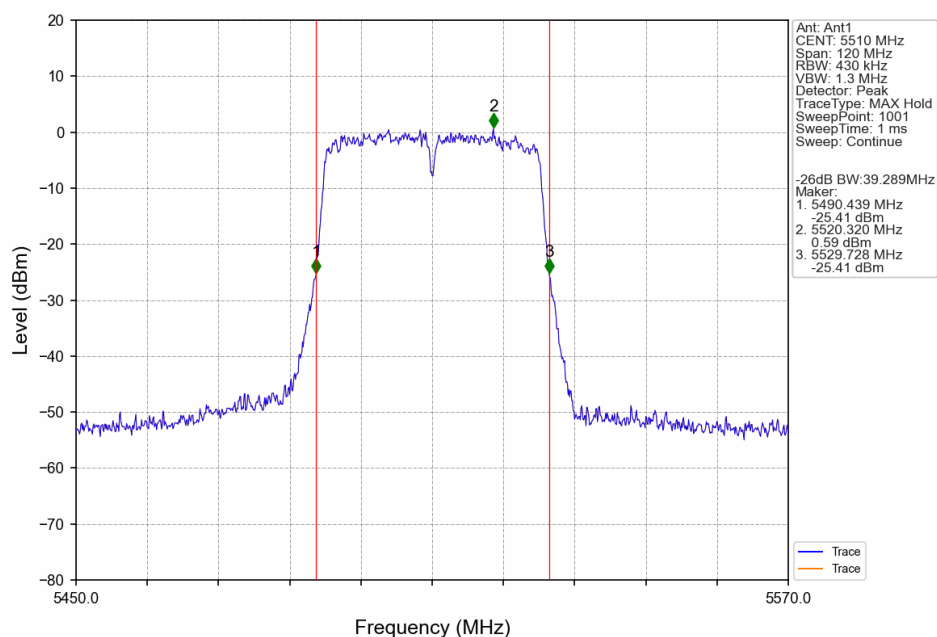
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802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



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



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