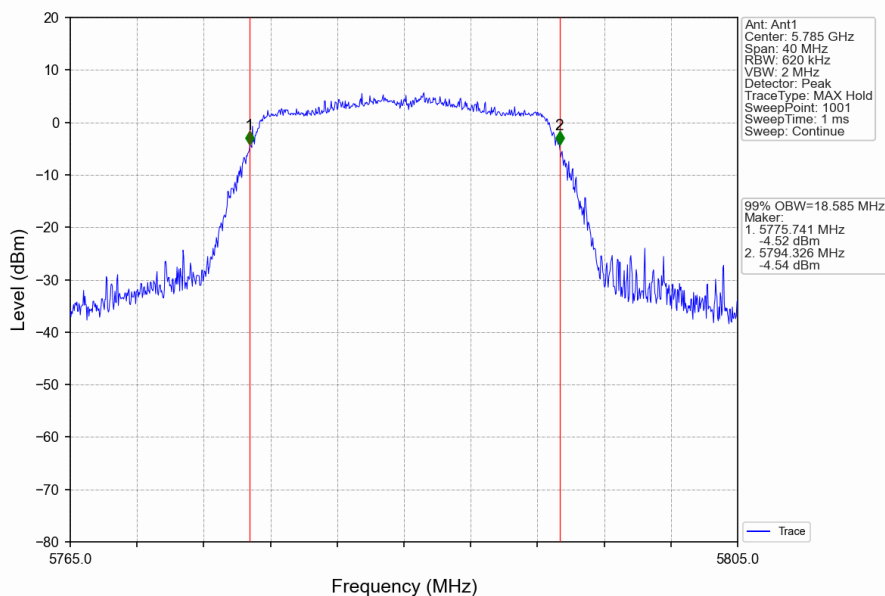
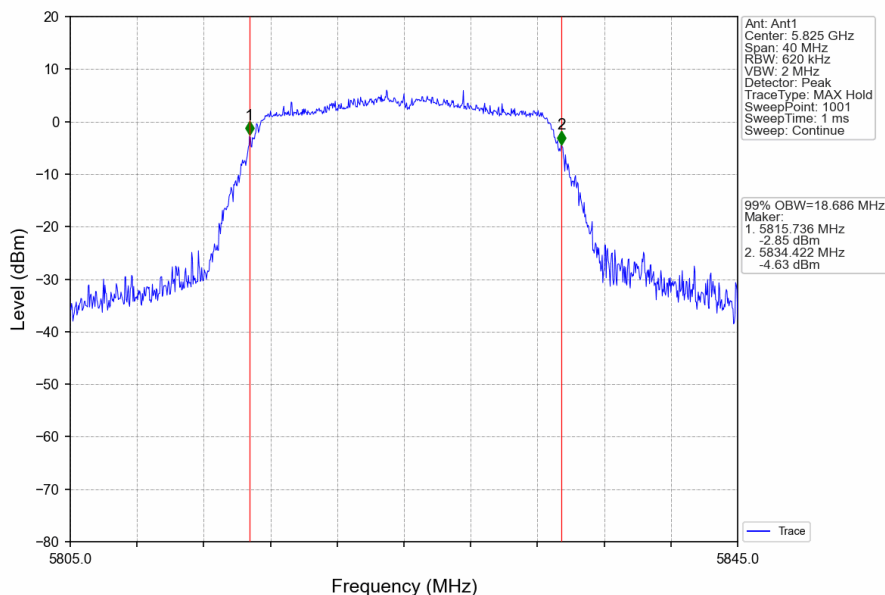


### 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



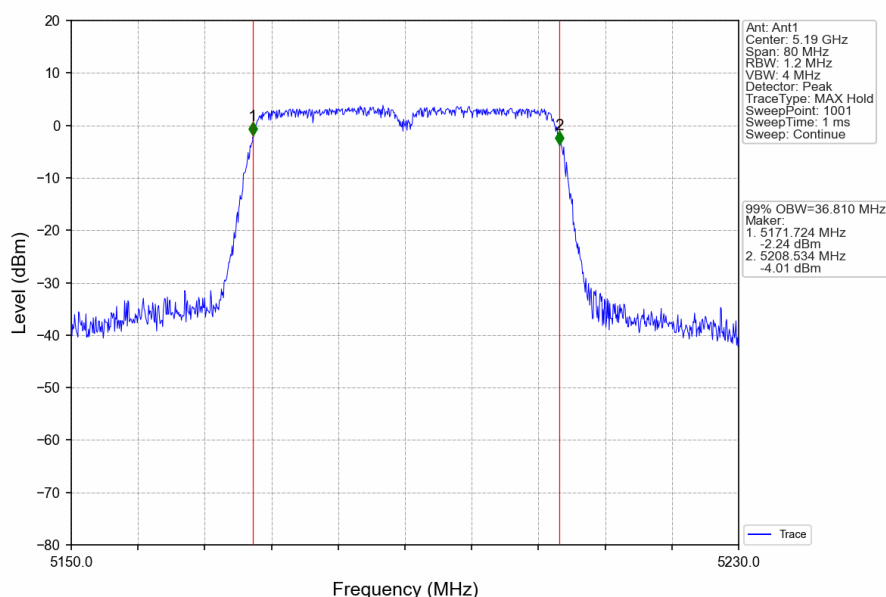
### 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



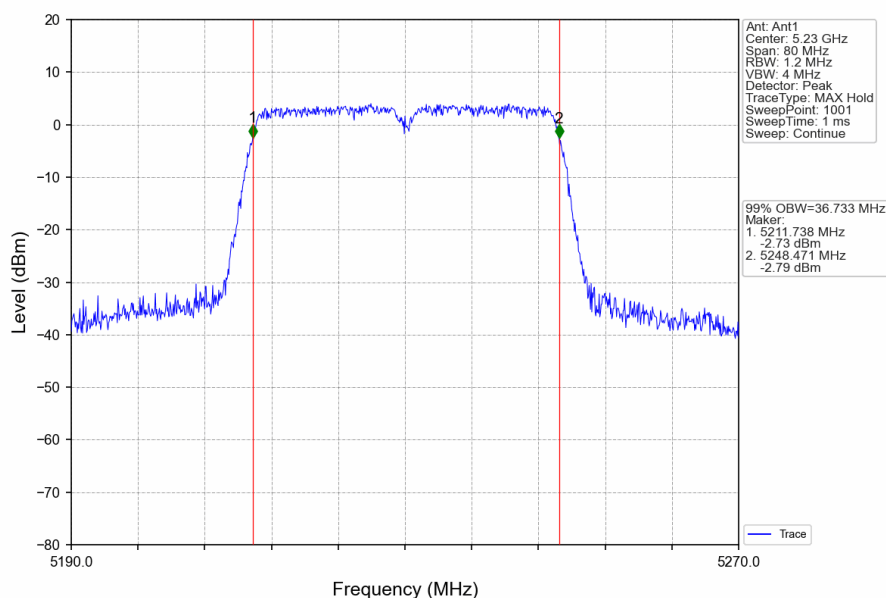
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

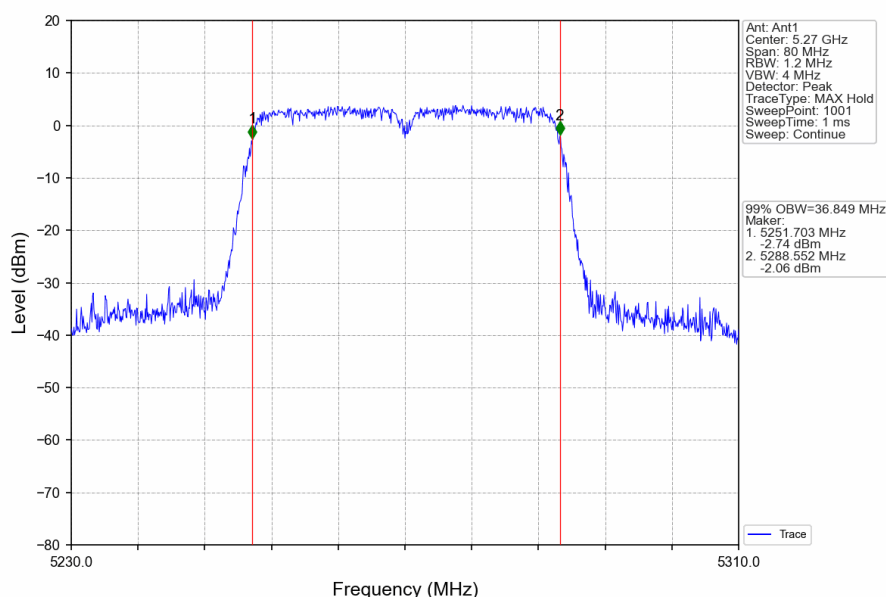
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



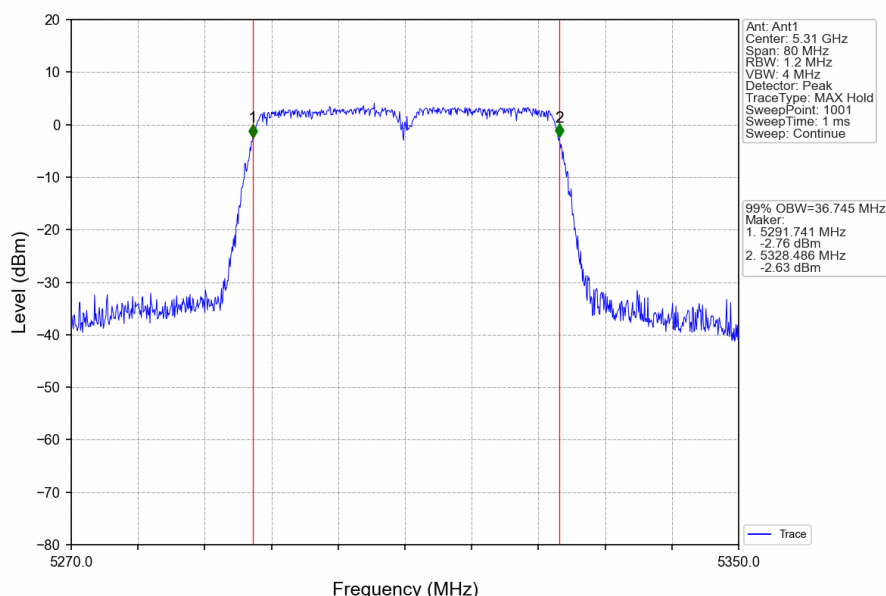
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



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



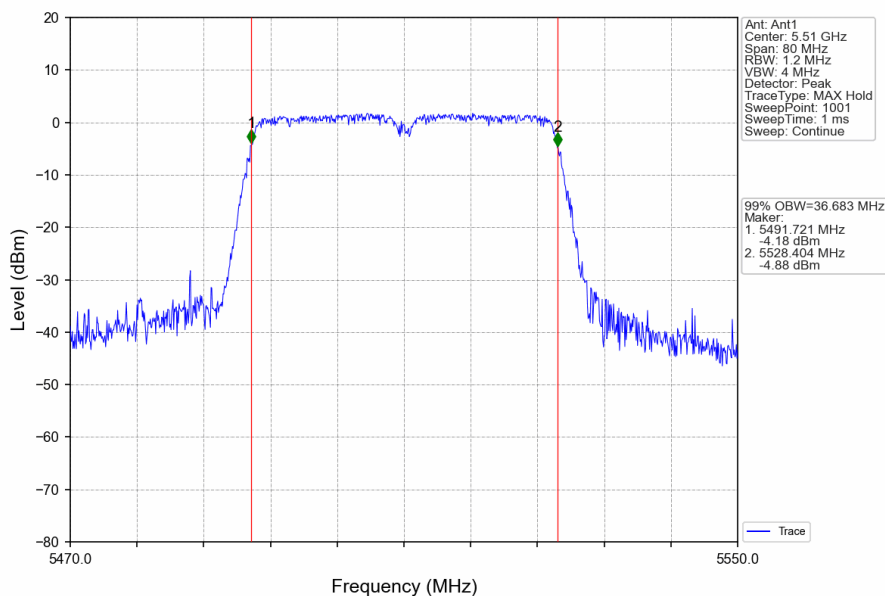
802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



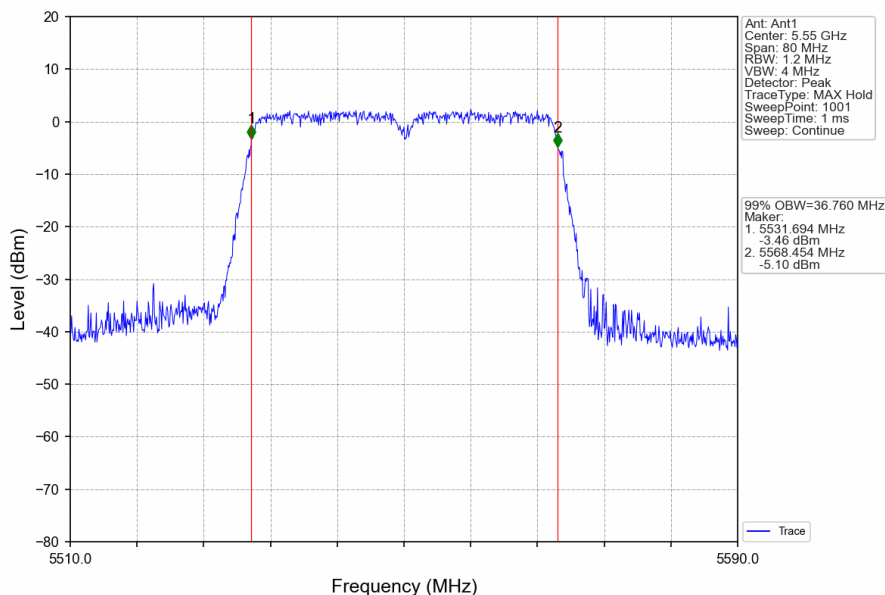
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802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV

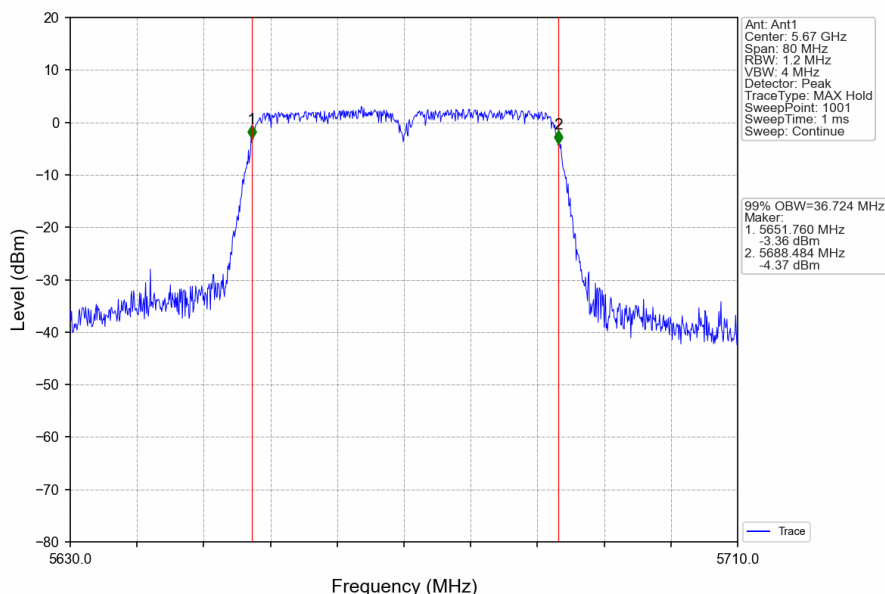


802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV

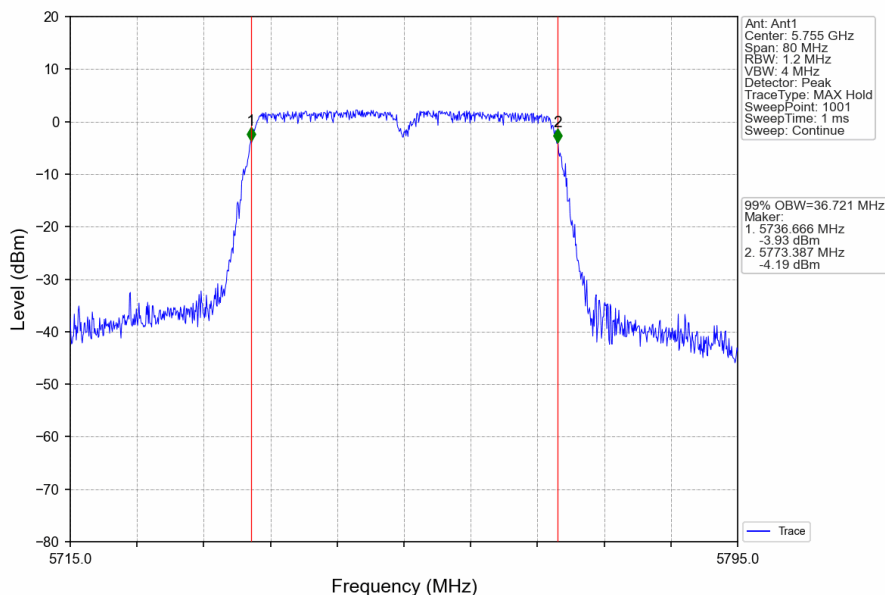




802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



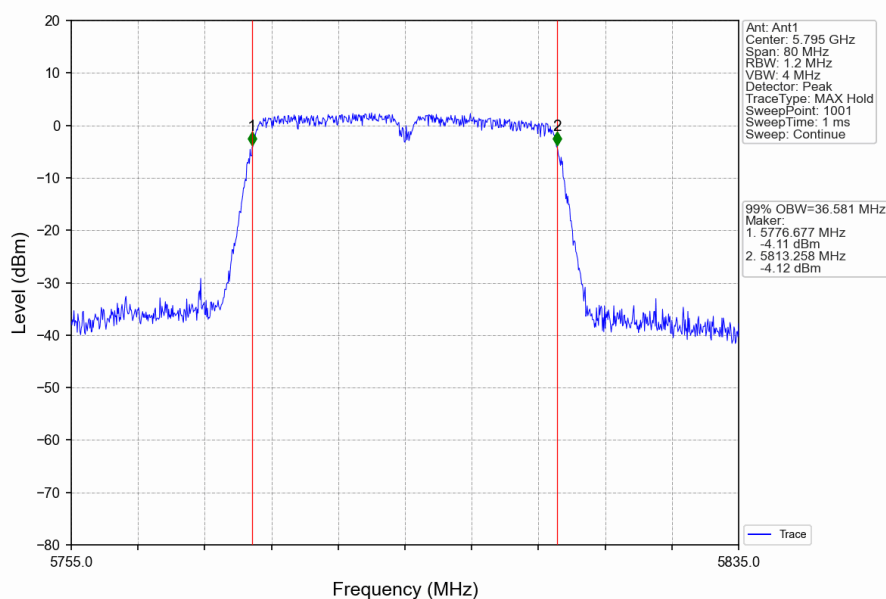
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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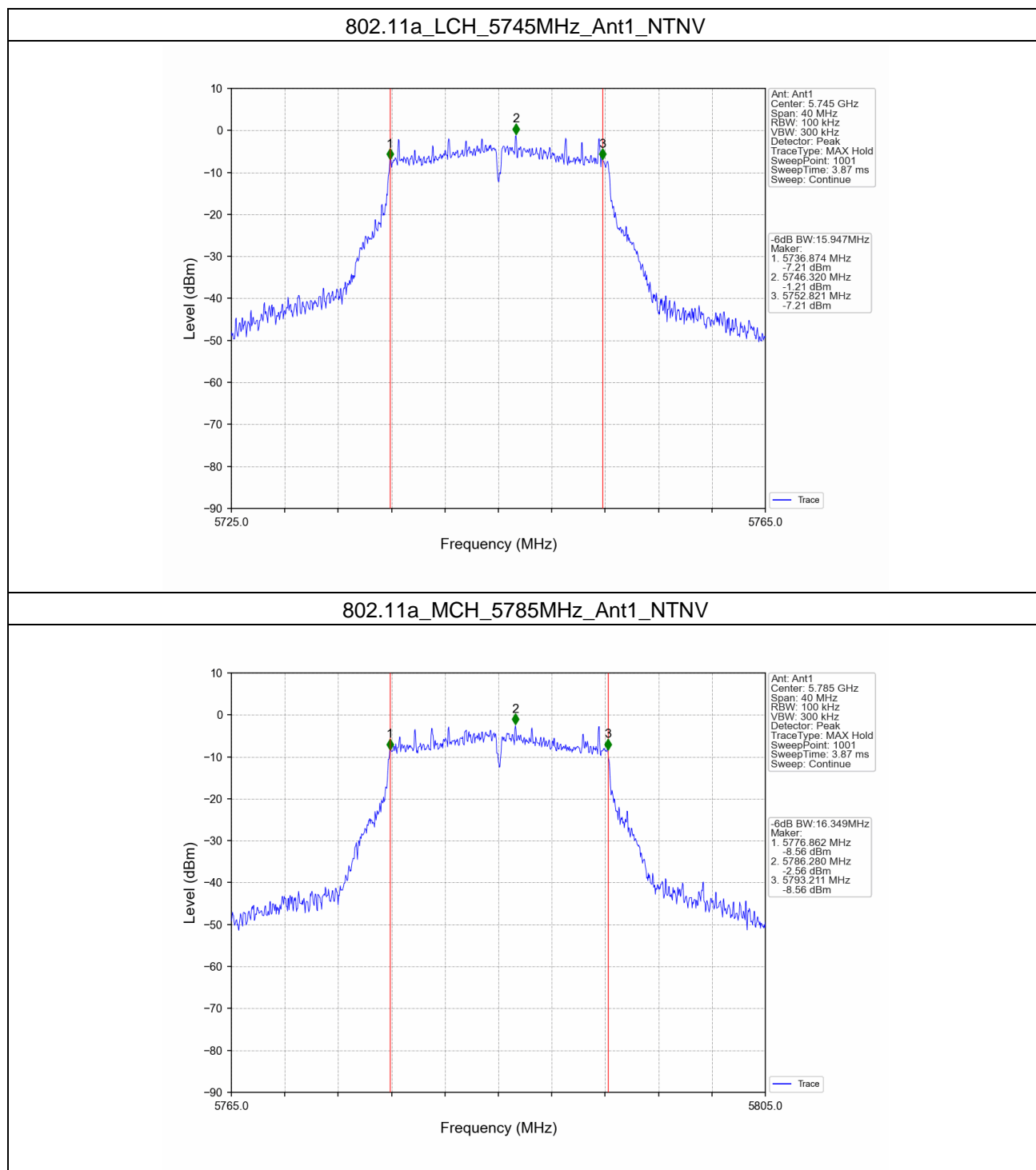
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### 2.2 6dB BW

#### 2.2.1 Test Result

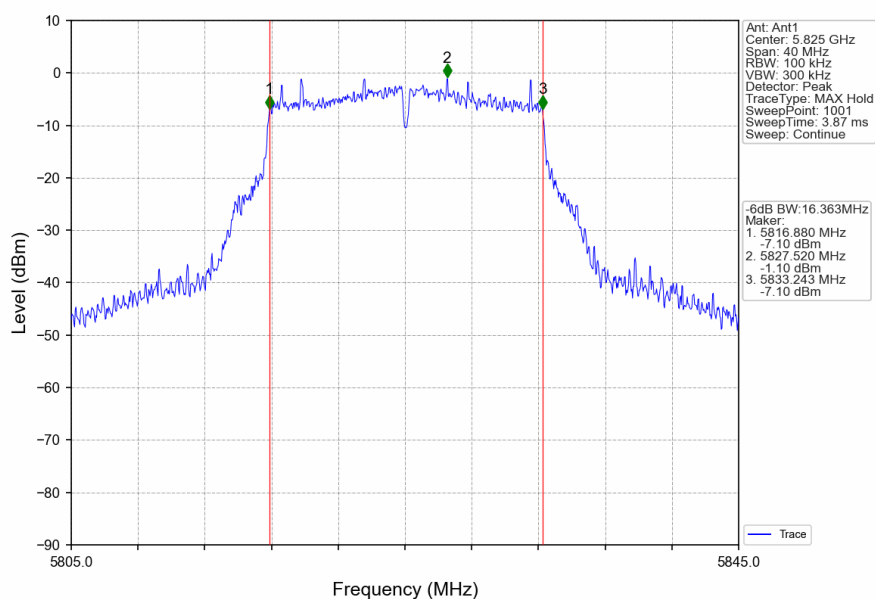
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.947	$\geq 0.5$	Pass
		5785	1	16.349	$\geq 0.5$	Pass
		5825	1	16.363	$\geq 0.5$	Pass
802.11n (HT20)	SISO	5745	1	17.558	$\geq 0.5$	Pass
		5785	1	17.055	$\geq 0.5$	Pass
		5825	1	17.234	$\geq 0.5$	Pass
802.11n (HT40)	SISO	5755	1	36.350	$\geq 0.5$	Pass
		5795	1	36.090	$\geq 0.5$	Pass

### 2.2.2 Test Graph

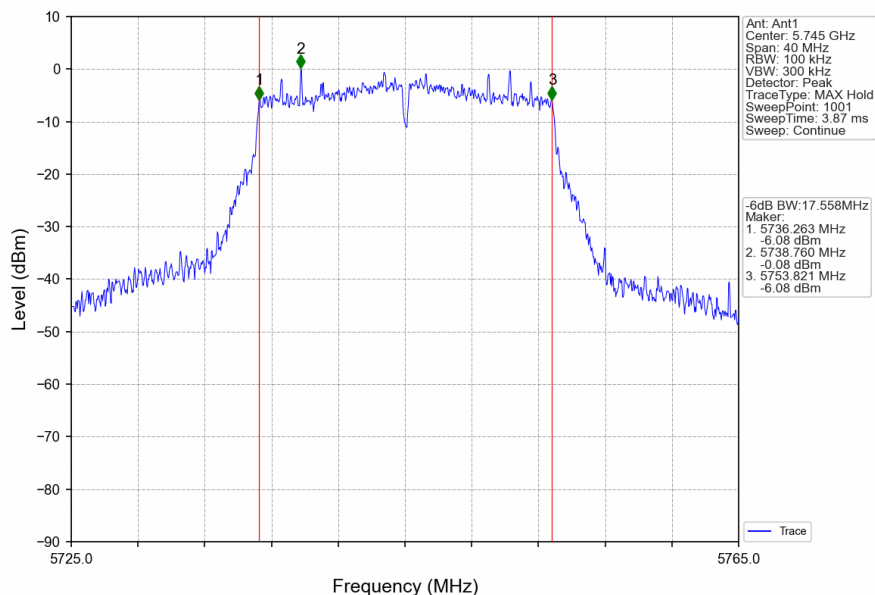




802.11a\_HCH\_5825MHz\_Ant1\_NTNV



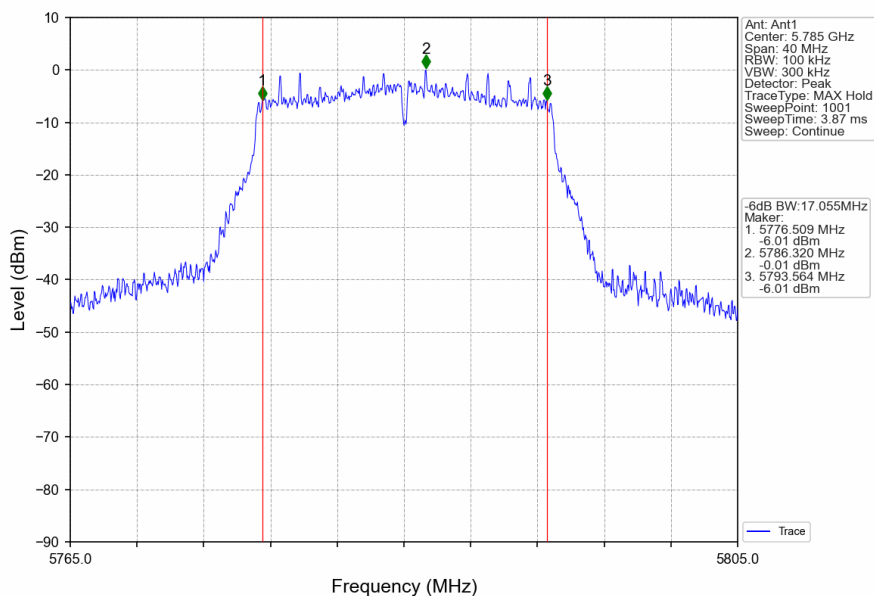
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



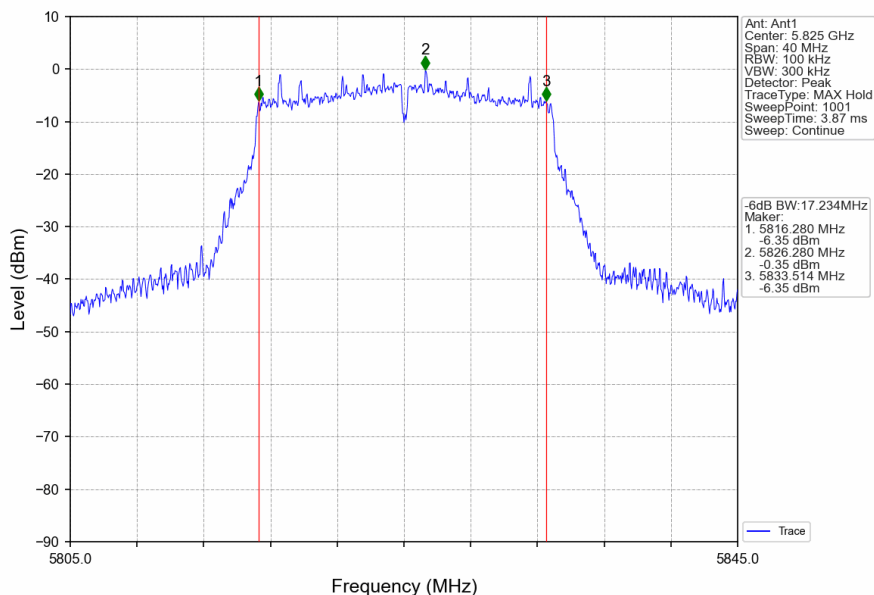
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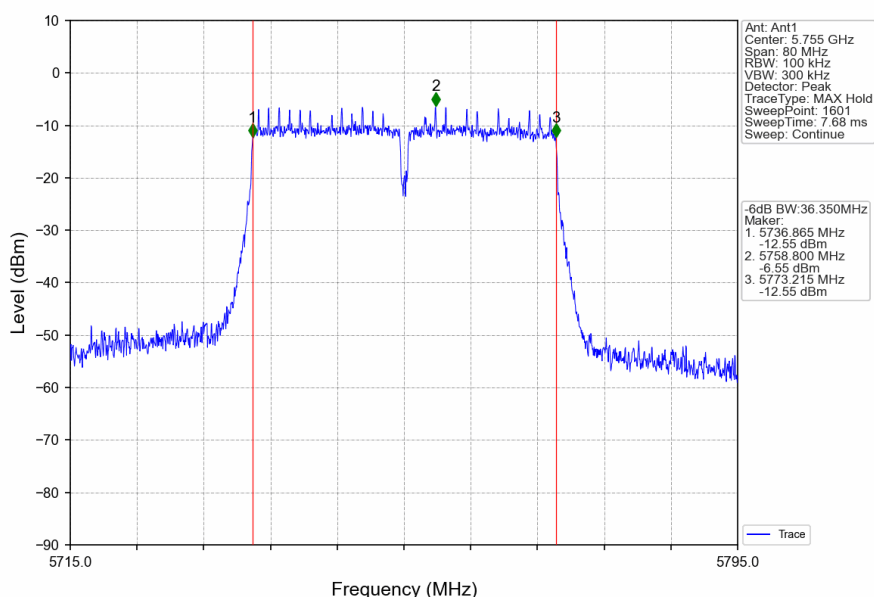
### 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



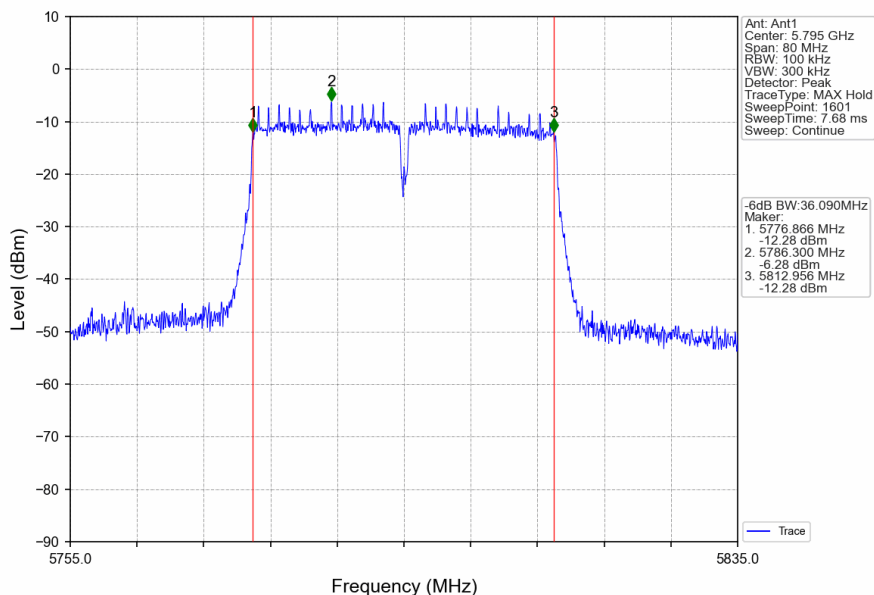
### 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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



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



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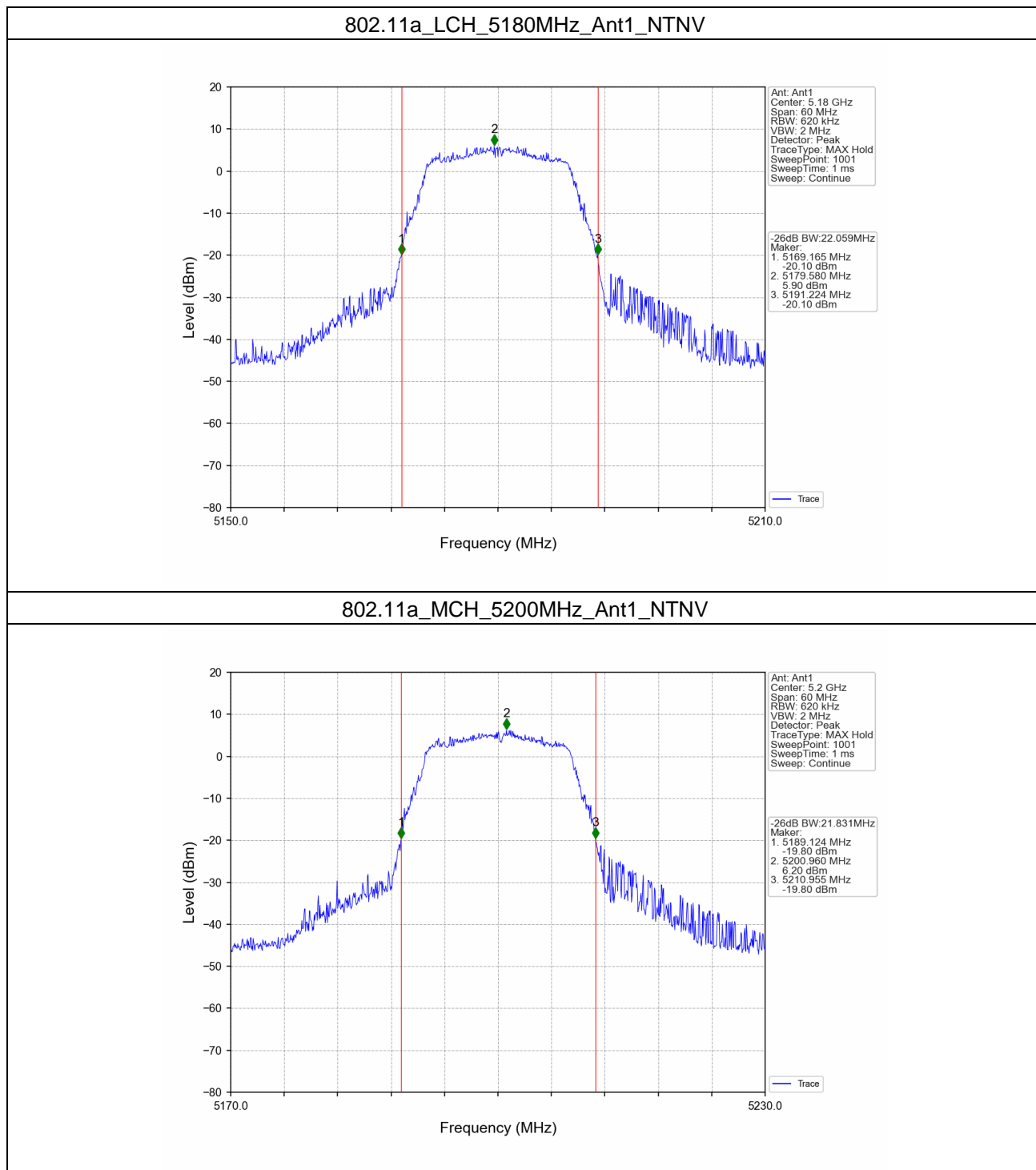
### 2.3 26dB BW

#### 2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	22.059	Pass
		5200	1	21.831	Pass
		5240	1	22.076	Pass
		5260	1	21.646	Pass
		5300	1	22.054	Pass
		5320	1	21.884	Pass
		5500	1	21.990	Pass
		5580	1	21.956	Pass
		5700	1	22.023	Pass
802.11n (HT20)	SISO	5180	1	22.108	Pass
		5200	1	22.263	Pass
		5240	1	22.208	Pass
		5260	1	22.115	Pass
		5300	1	22.211	Pass
		5320	1	22.132	Pass
		5500	1	22.452	Pass
		5580	1	22.079	Pass
		5700	1	22.271	Pass
802.11n (HT40)	SISO	5190	1	40.950	Pass
		5230	1	41.202	Pass
		5270	1	41.080	Pass
		5310	1	41.169	Pass
		5510	1	41.156	Pass
		5550	1	41.155	Pass
		5670	1	41.330	Pass

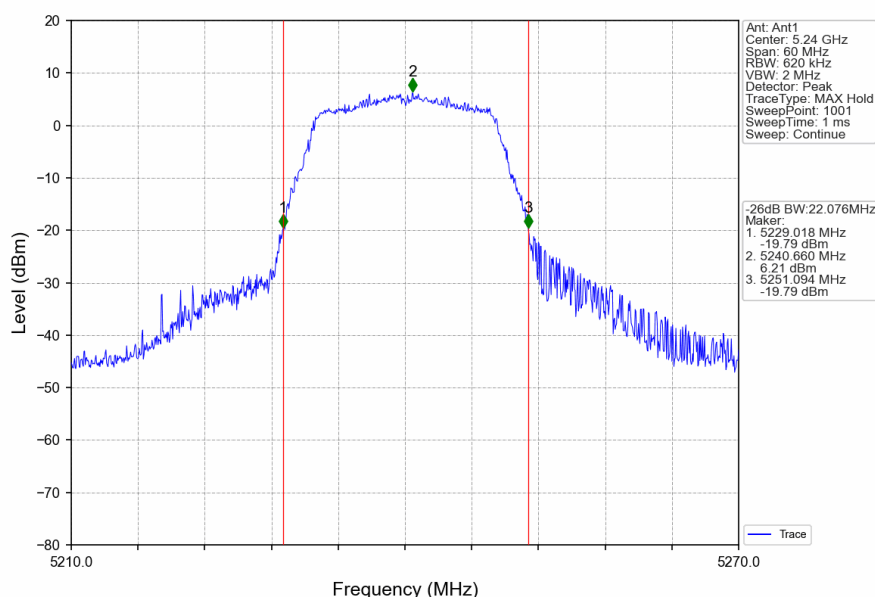


### 2.3.2 Test Graph

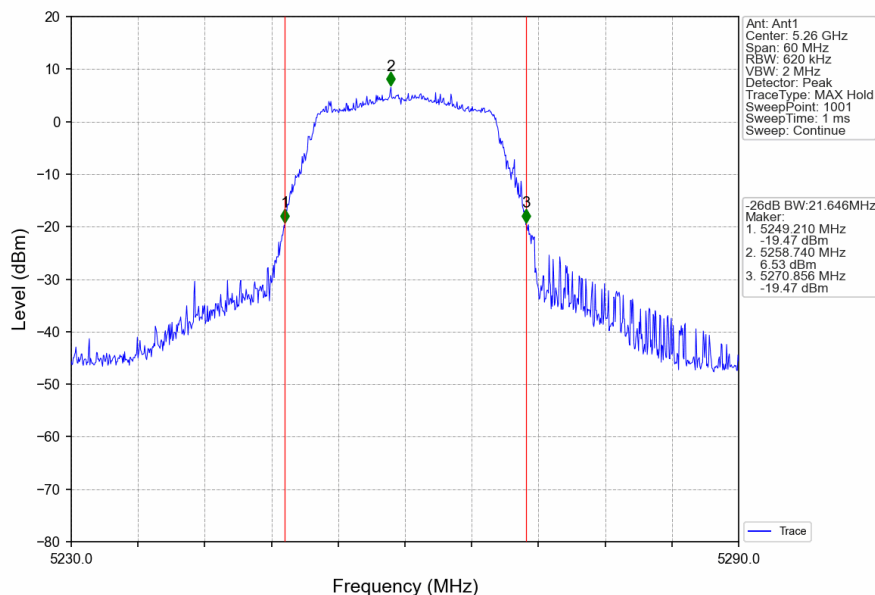




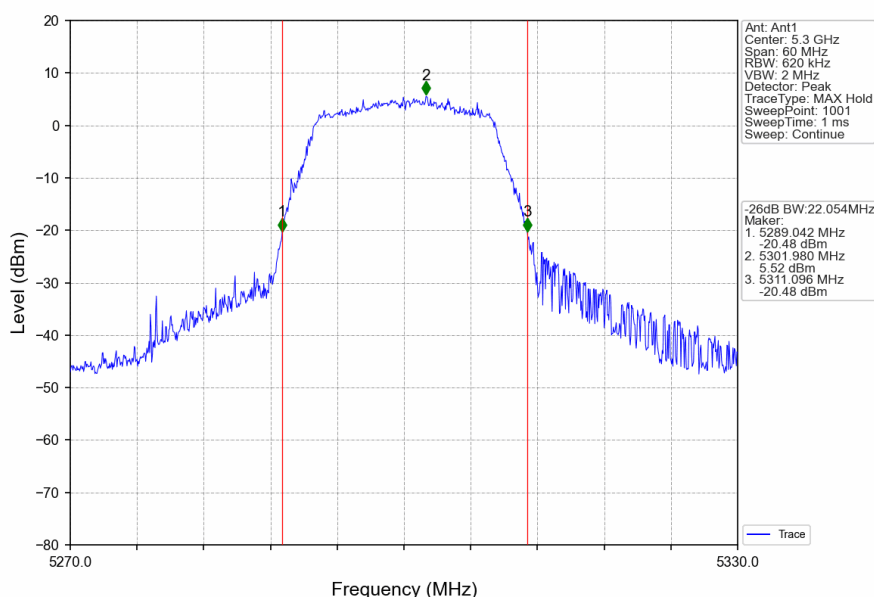
802.11a\_HCH\_5240MHz\_Ant1\_NTNV



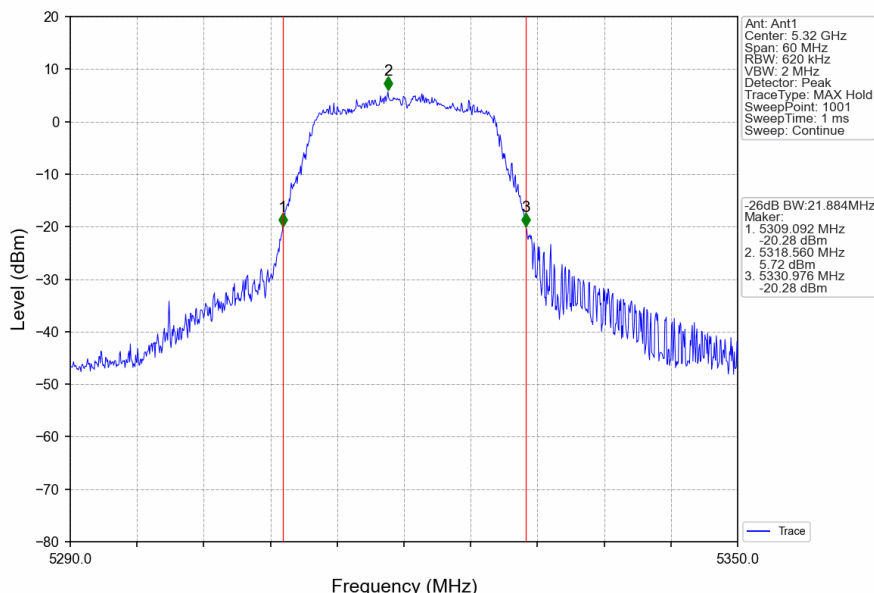
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



802.11a\_MCH\_5300MHz\_Ant1\_NTNV



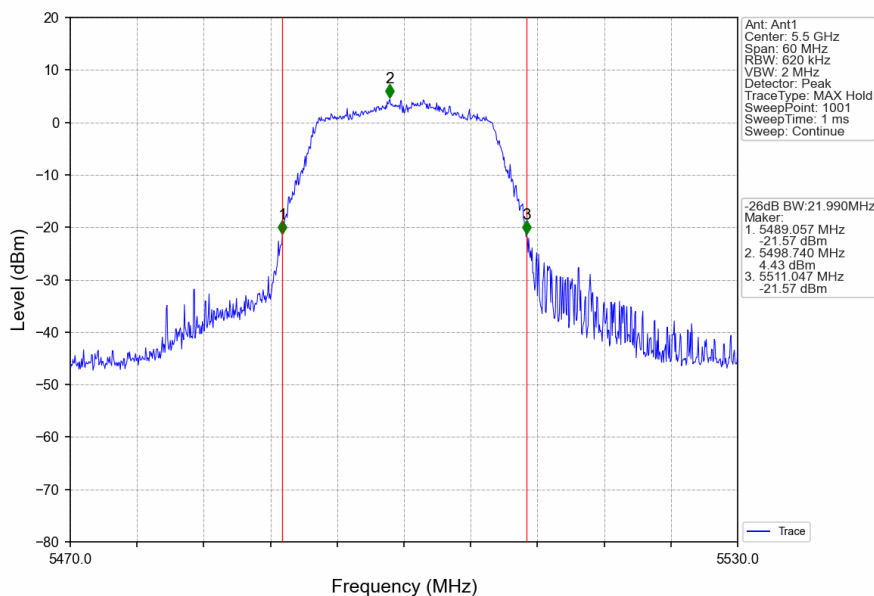
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



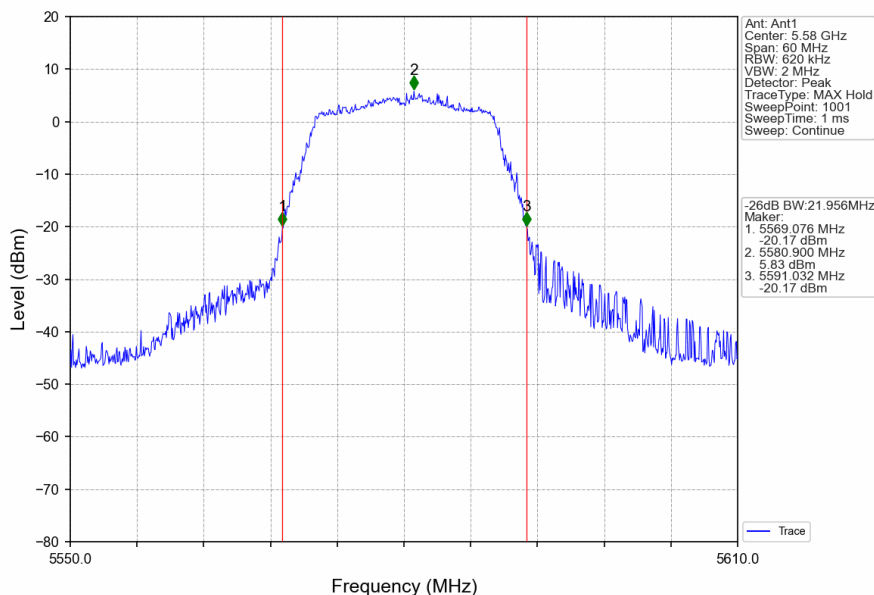
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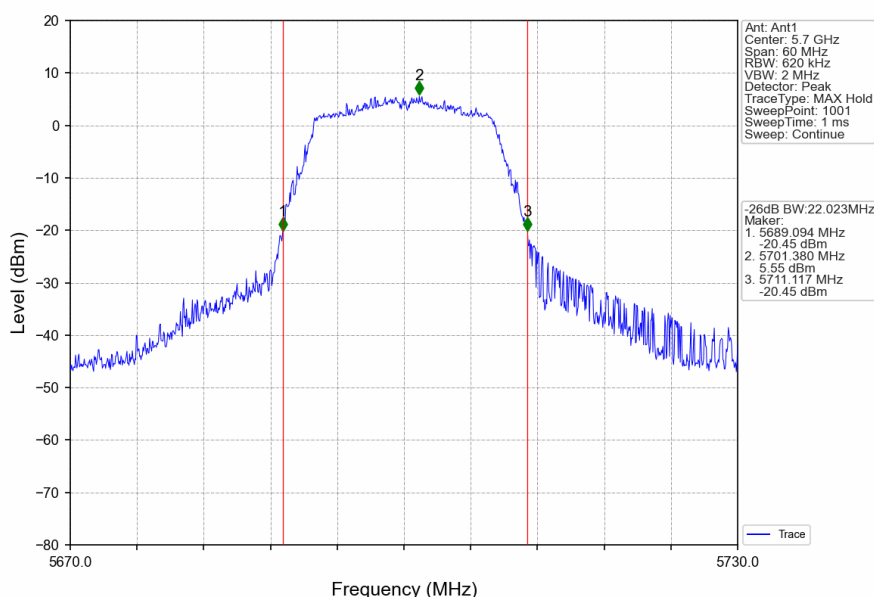
802.11a\_LCH\_5500MHz\_Ant1\_NTNV



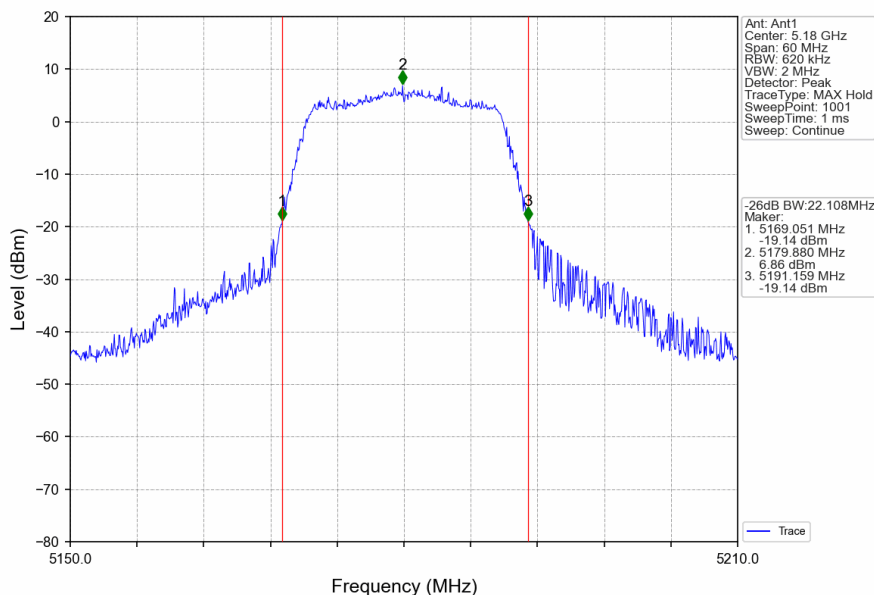
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



802.11a\_HCH\_5700MHz\_Ant1\_NTNV



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

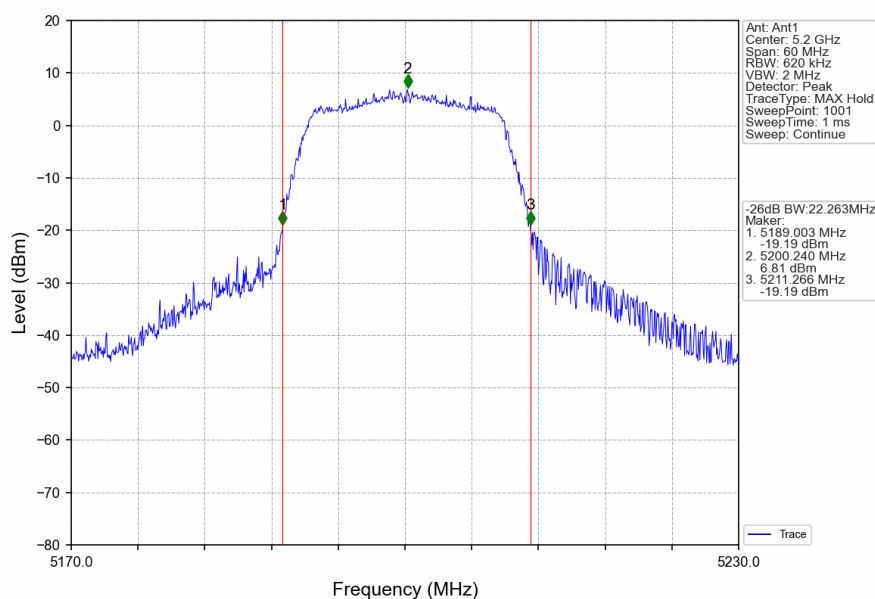


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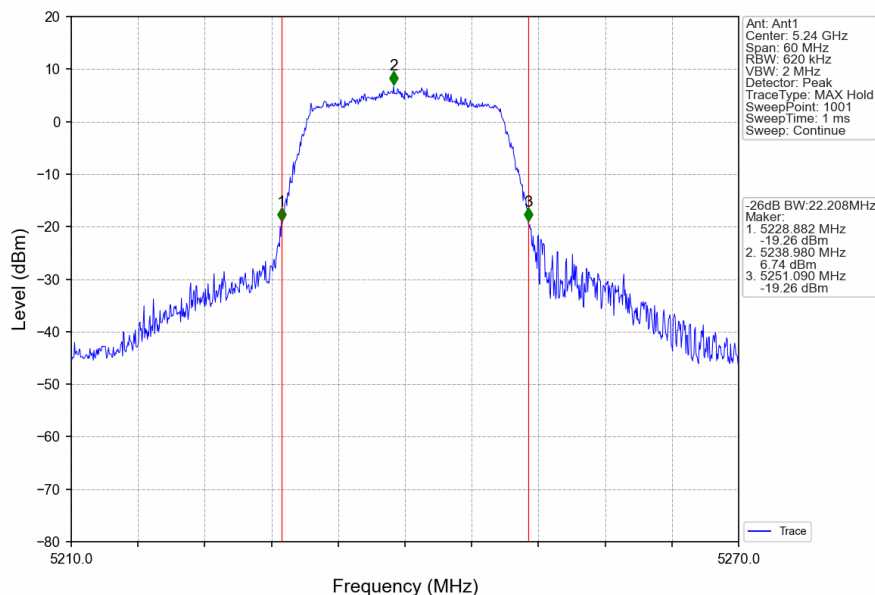
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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

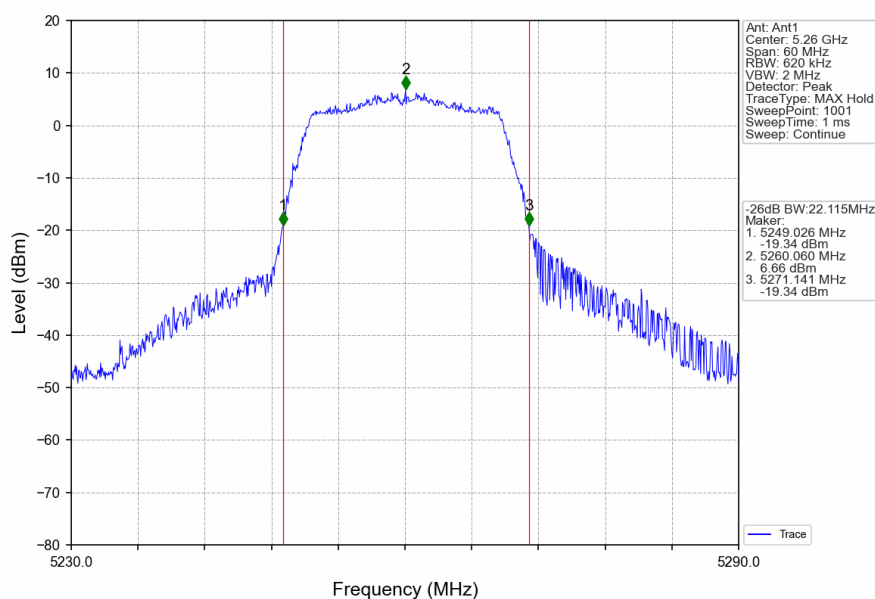


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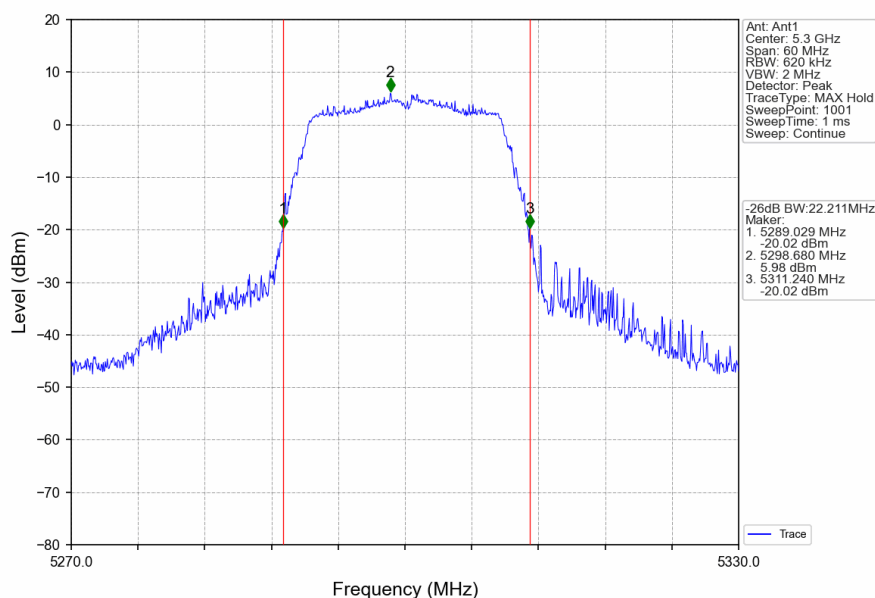
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### 802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



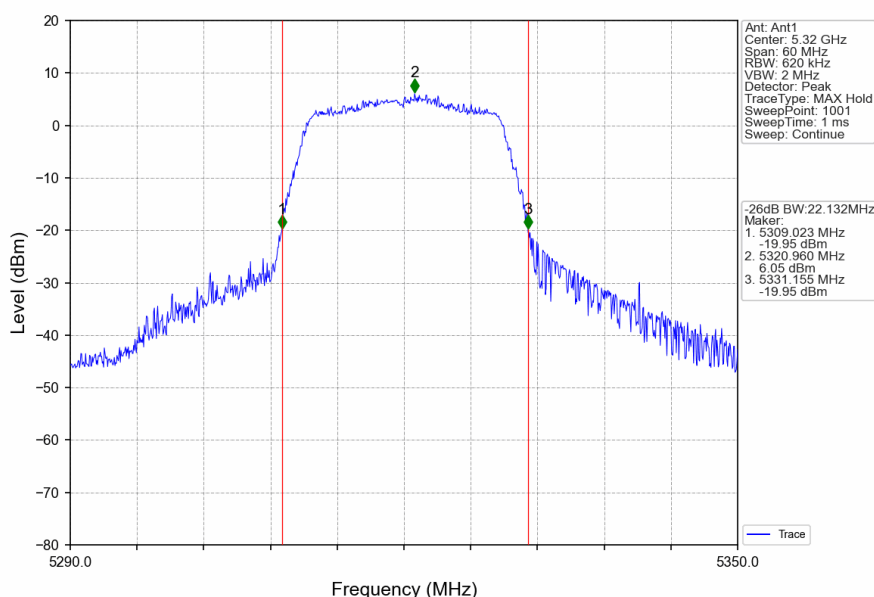
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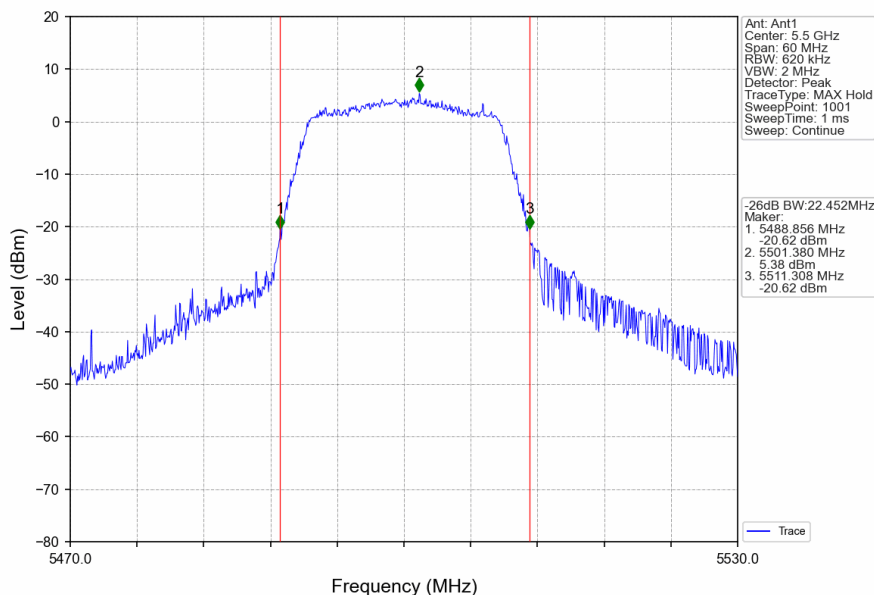
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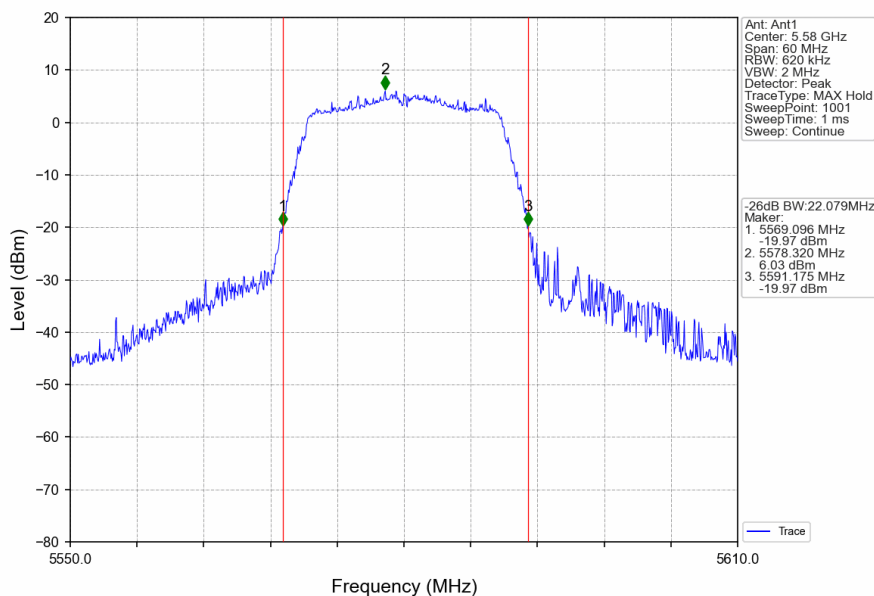
802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



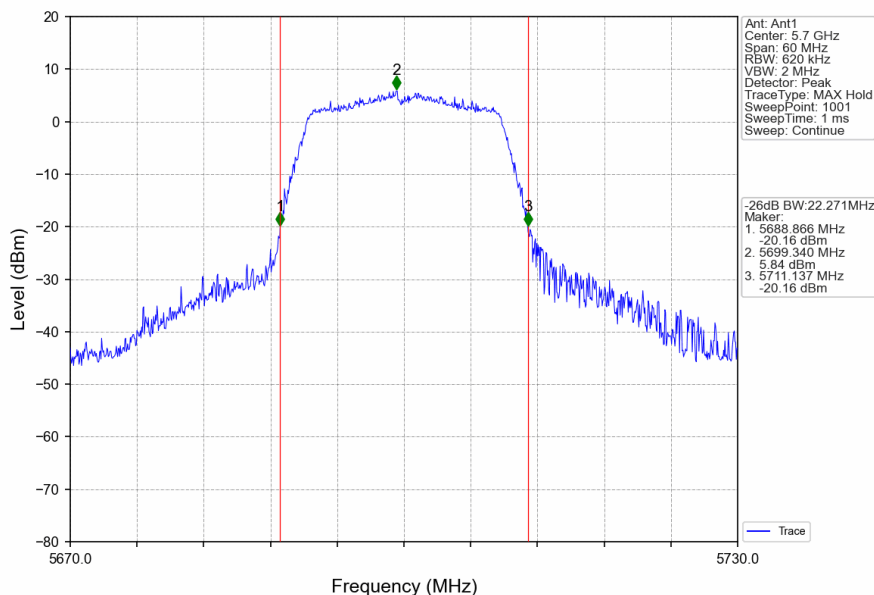
802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



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



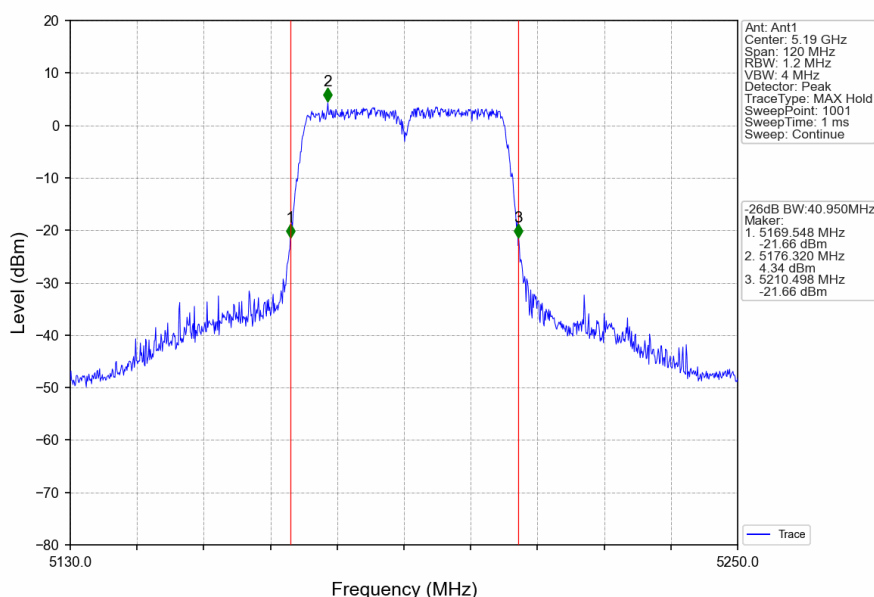
### 802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



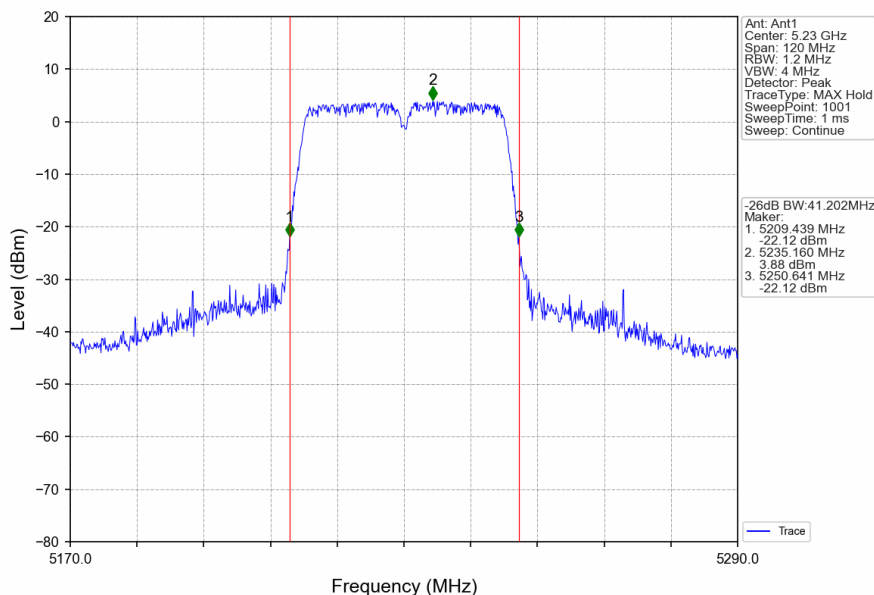
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### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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

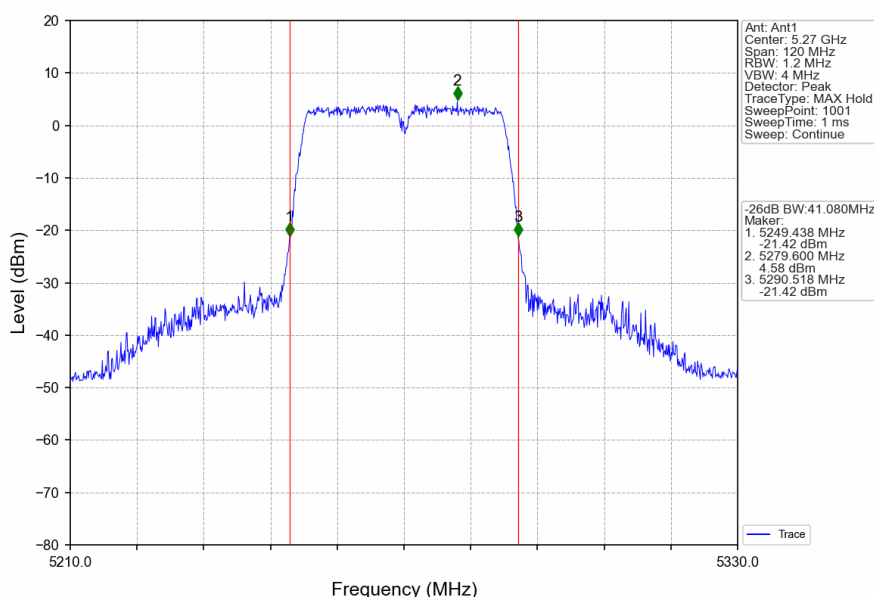


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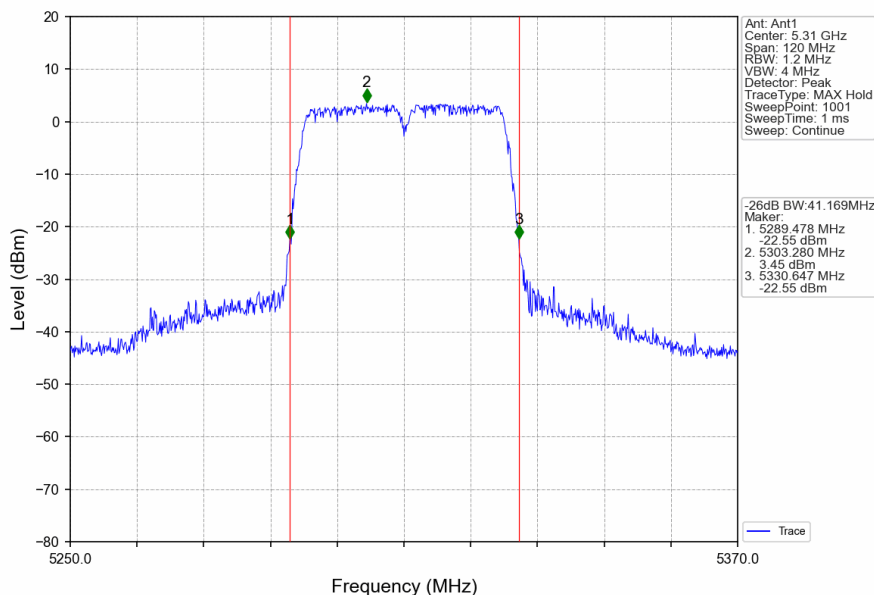
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### 802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



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

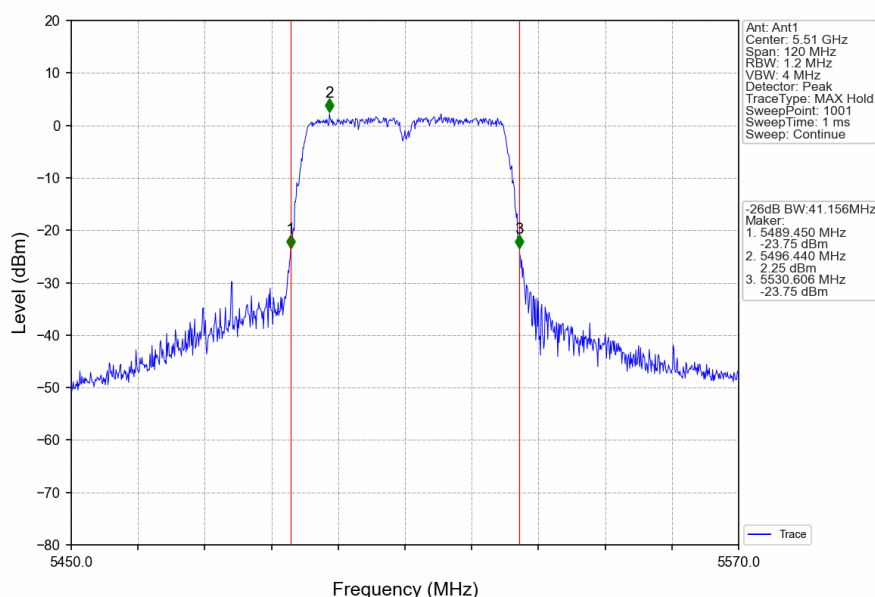


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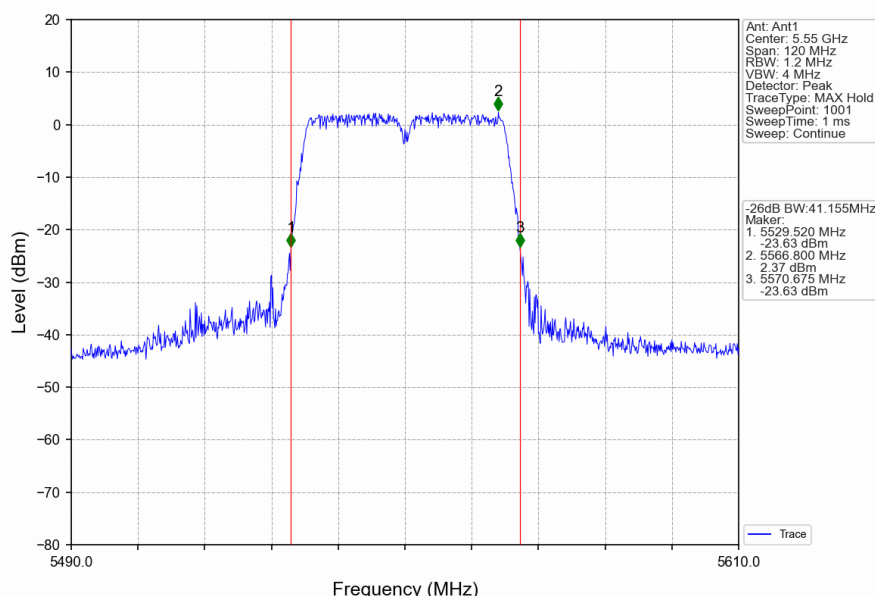
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802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



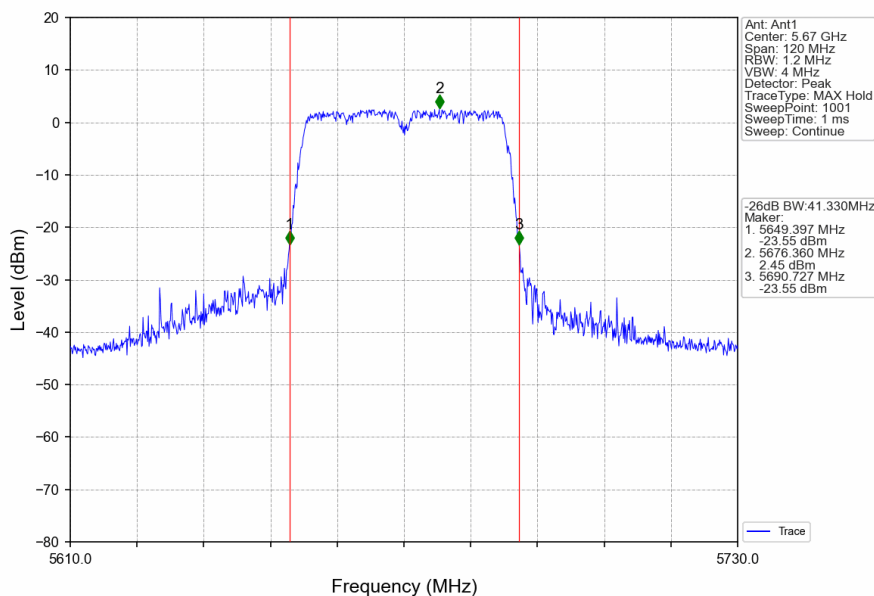
802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



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



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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	11.10	<=23.98	Pass
		5200	11.14	<=23.98	Pass
		5240	11.27	<=23.98	Pass
		5260	10.84	<=23.98	Pass
		5300	10.43	<=23.98	Pass
		5320	10.21	<=23.98	Pass
		5500	9.31	<=23.98	Pass
		5580	10.47	<=23.98	Pass
		5700	10.61	<=23.98	Pass
		5745	10.68	<=30	Pass
		5785	10.26	<=30	Pass
		5825	10.62	<=30	Pass
802.11n (HT20)	SISO	5180	11.39	<=23.98	Pass
		5200	13.83	<=23.98	Pass
		5240	11.72	<=23.98	Pass
		5260	11.24	<=23.98	Pass
		5300	11.01	<=23.98	Pass
		5320	10.90	<=23.98	Pass
		5500	9.77	<=23.98	Pass
		5580	10.97	<=23.98	Pass
		5700	11.04	<=23.98	Pass
		5745	10.82	<=30	Pass
		5785	10.56	<=30	Pass
		5825	10.43	<=30	Pass

802.11n (HT40)	SISO	5190	13.77	<=23.98	Pass
		5230	9.06	<=23.98	Pass
		5270	8.98	<=23.98	Pass
		5310	8.59	<=23.98	Pass
		5510	6.93	<=23.98	Pass
		5550	7.40	<=23.98	Pass
		5670	7.81	<=23.98	Pass
		5755	7.54	<=30	Pass
		5795	7.28	<=30	Pass

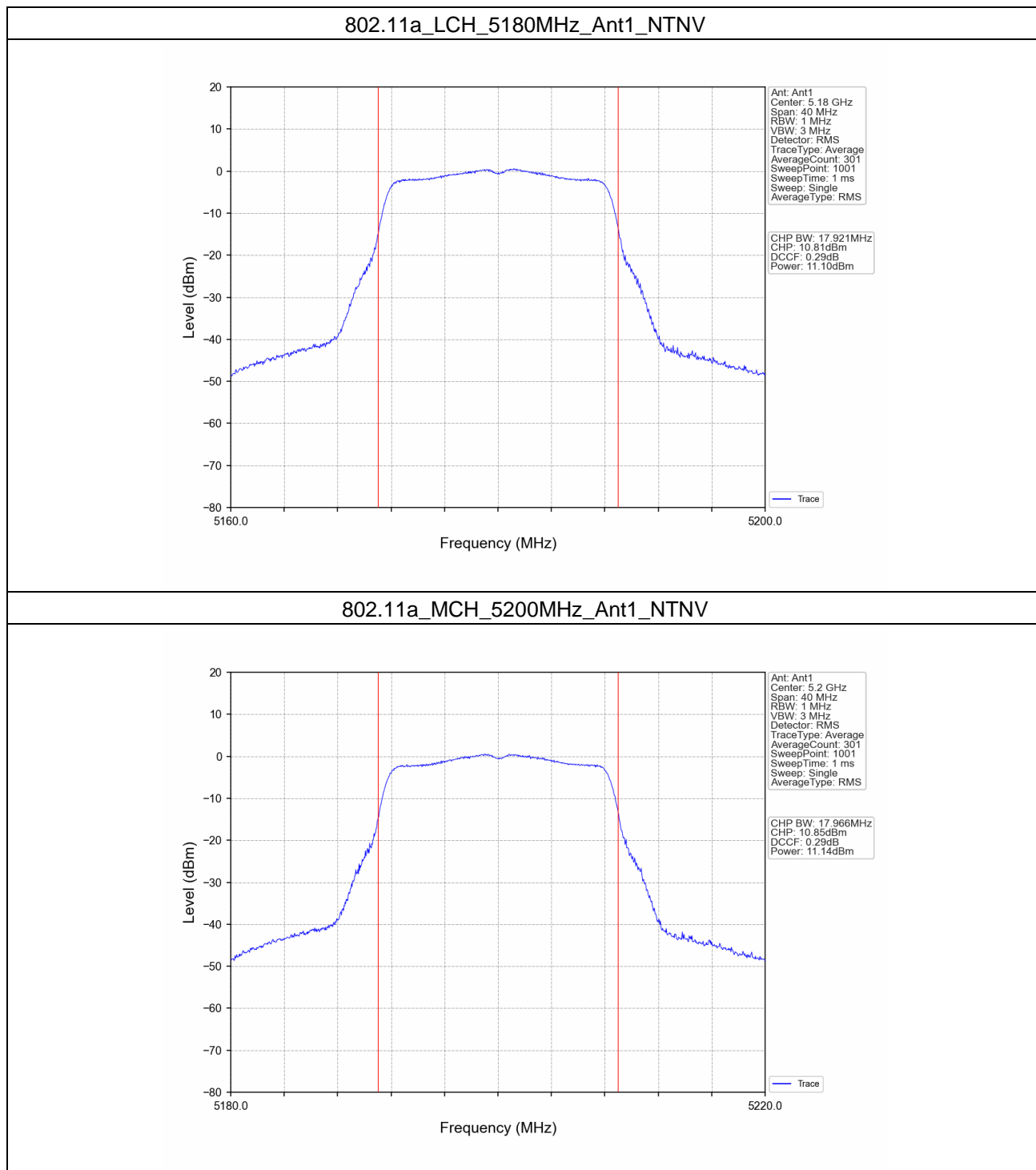
Note1: Antenna Gain: Ant1: 1.50dBi;



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### 3.1.2 Test Graph

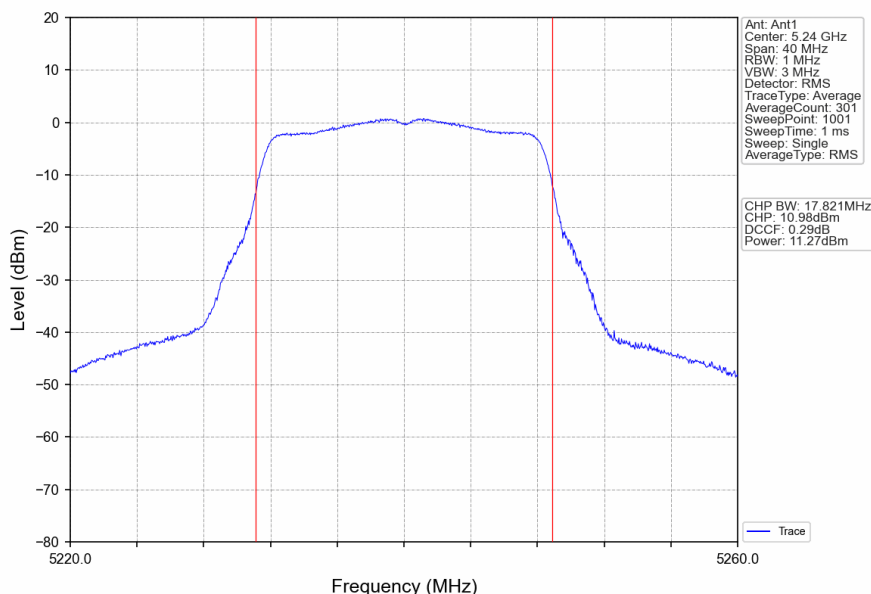


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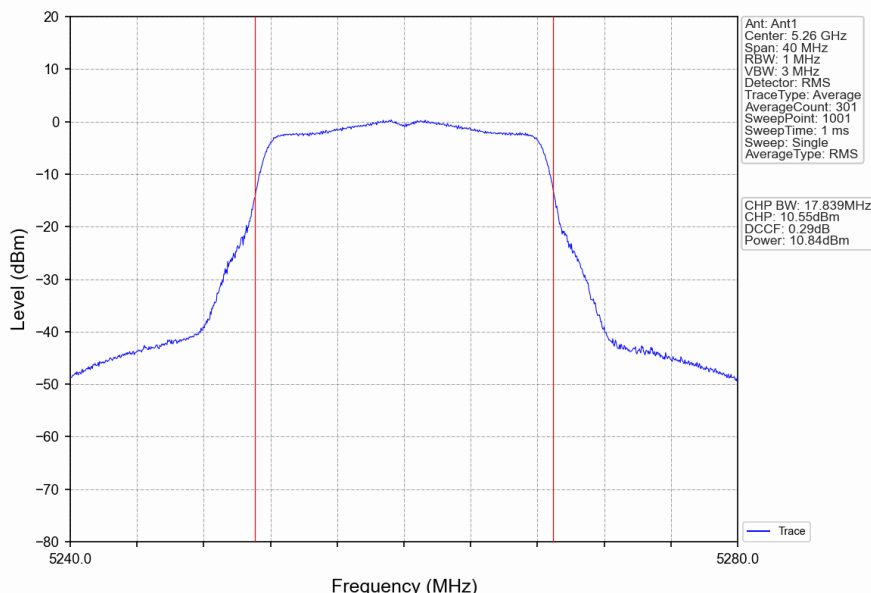
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



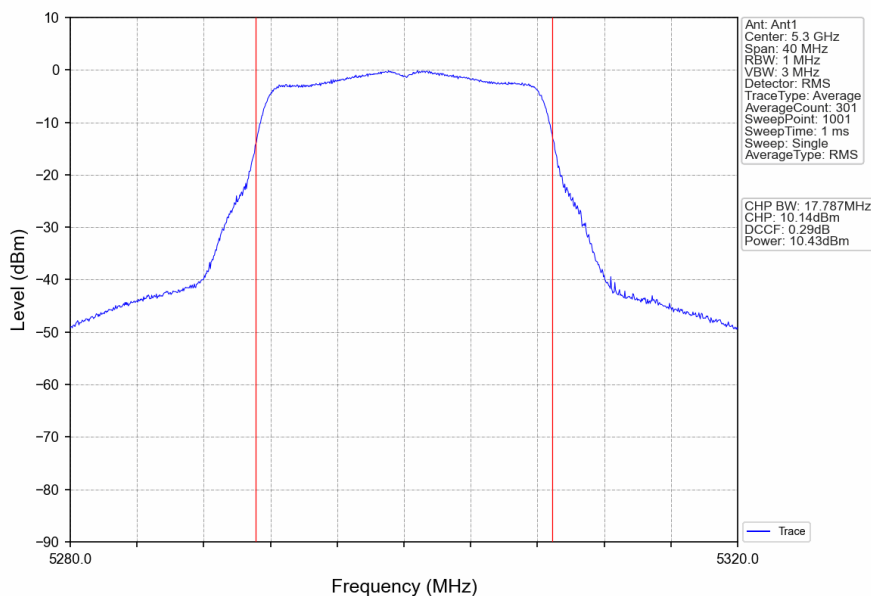
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



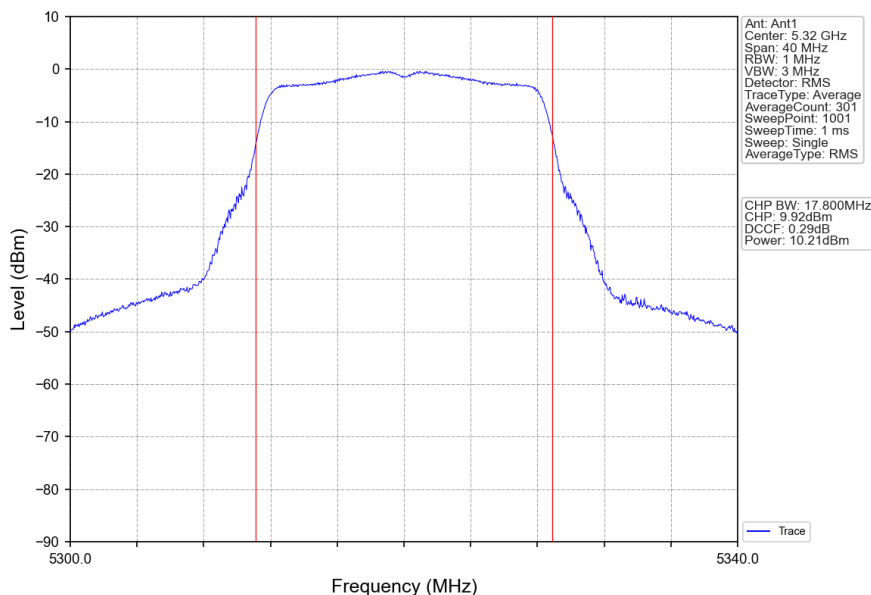
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV



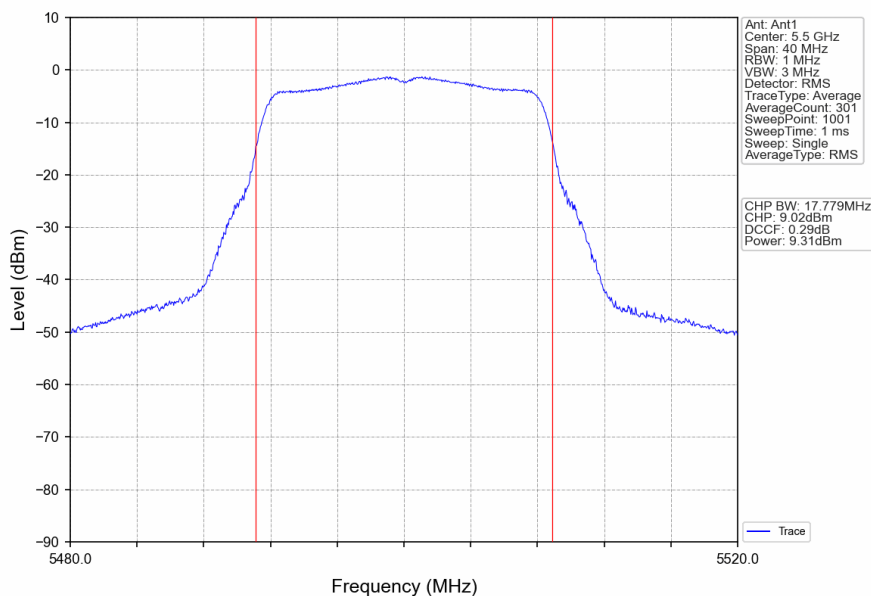
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



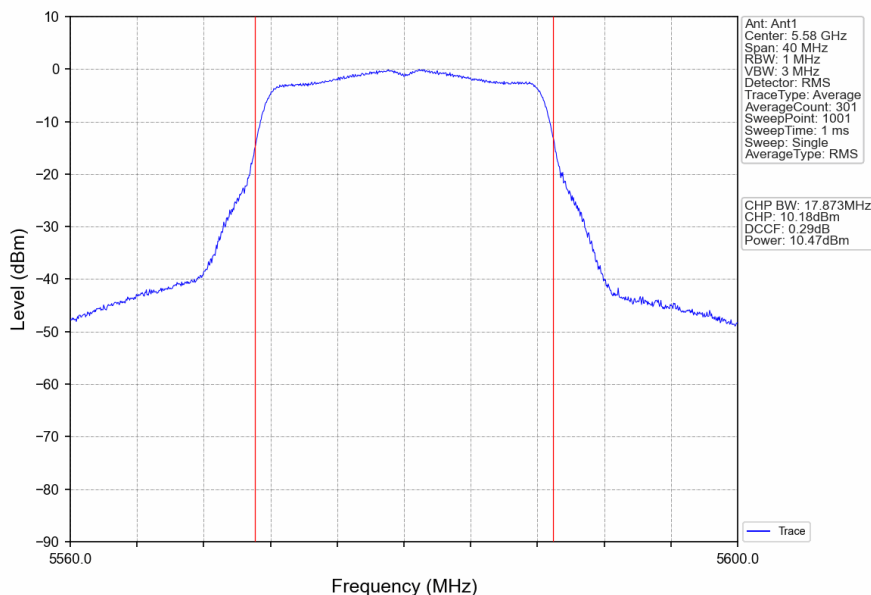
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802.11a\_LCH\_5500MHz\_Ant1\_NTNV



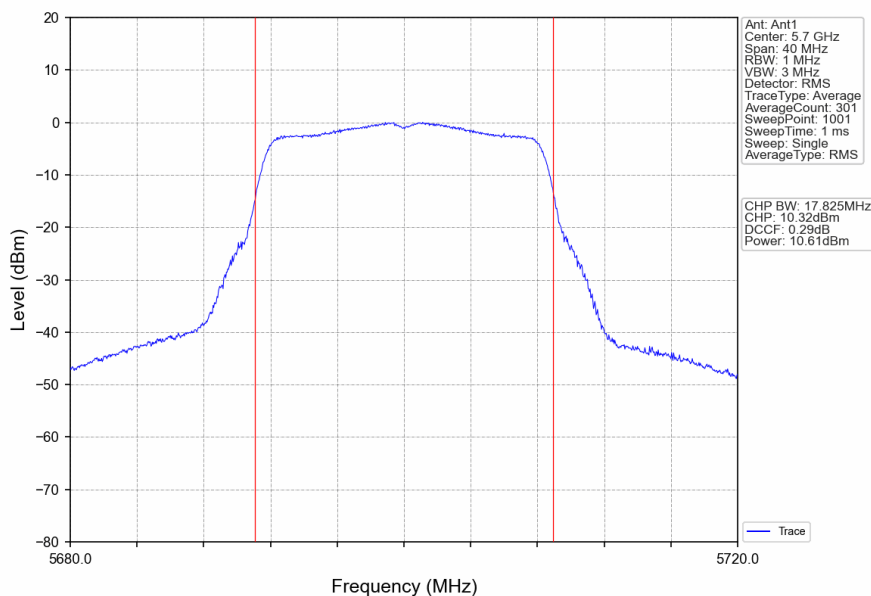
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



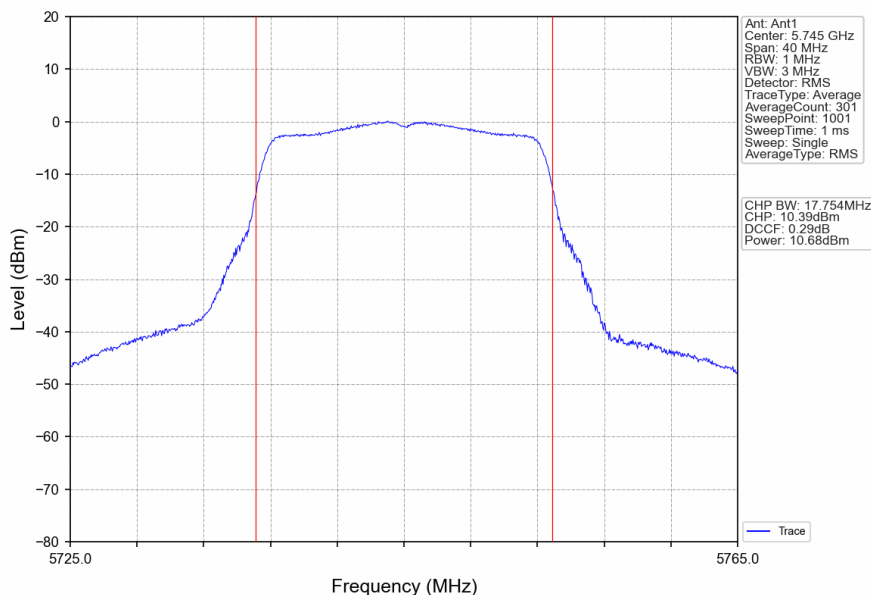
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802.11a\_HCH\_5700MHz\_Ant1\_NTNV



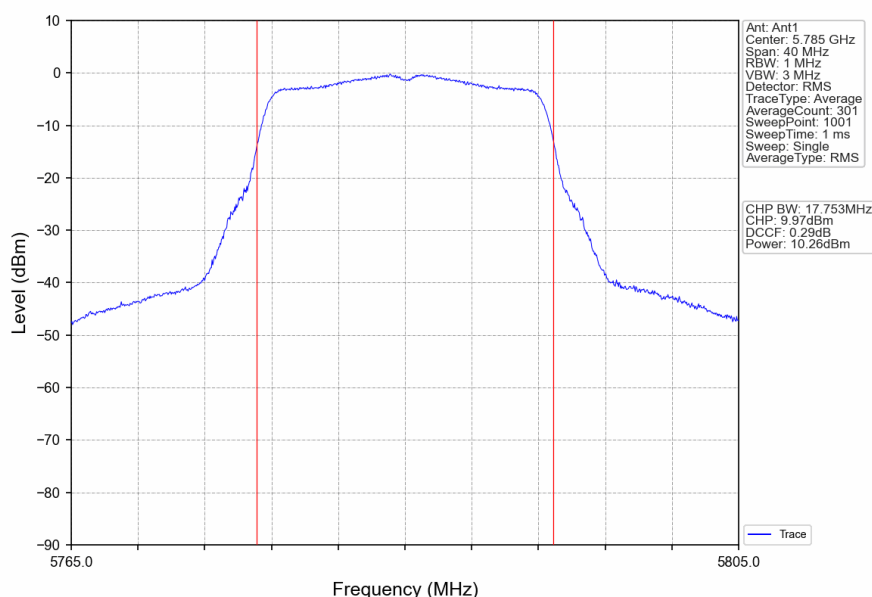
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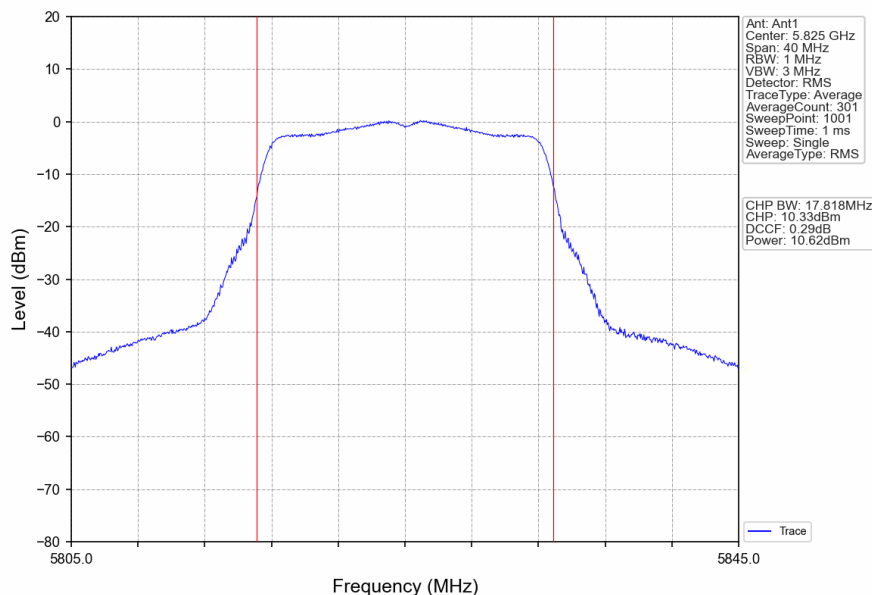
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant1\_NTNV



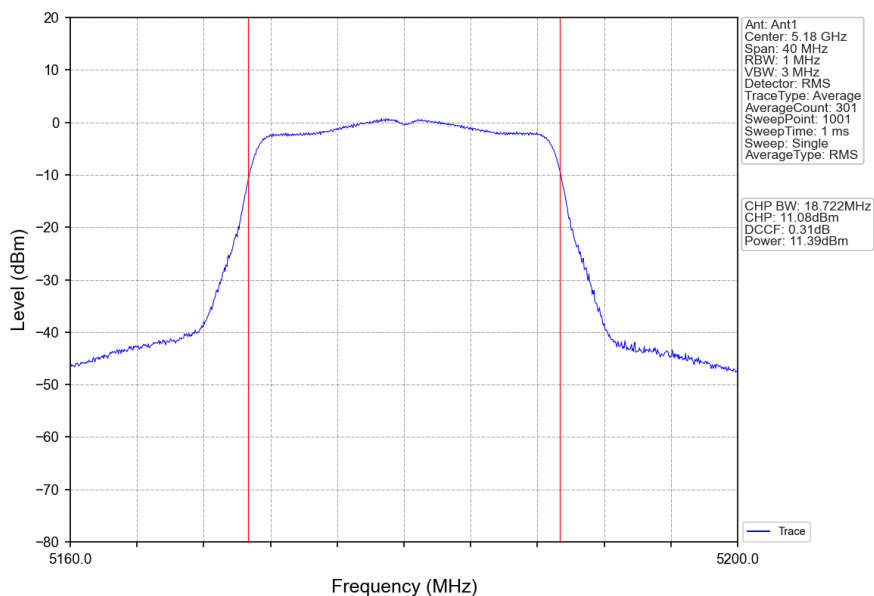
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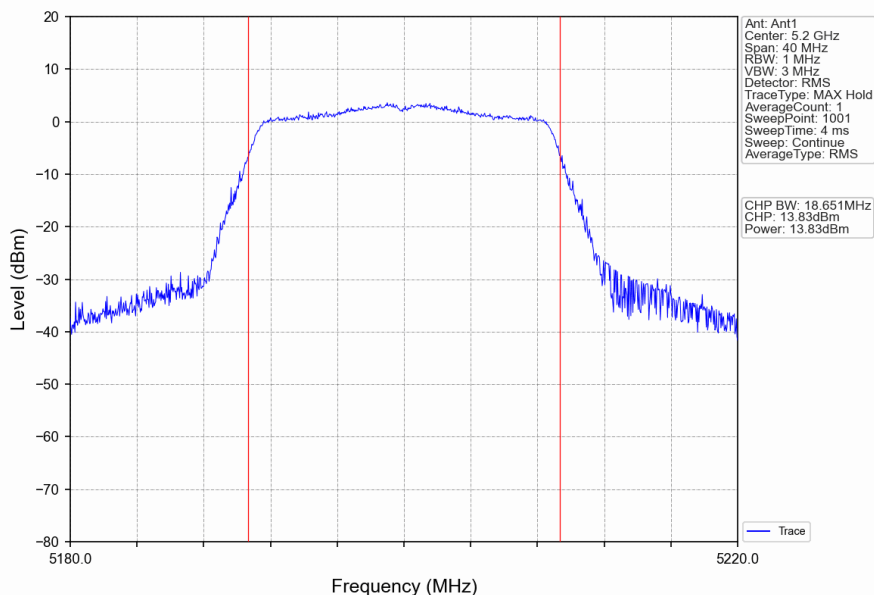
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



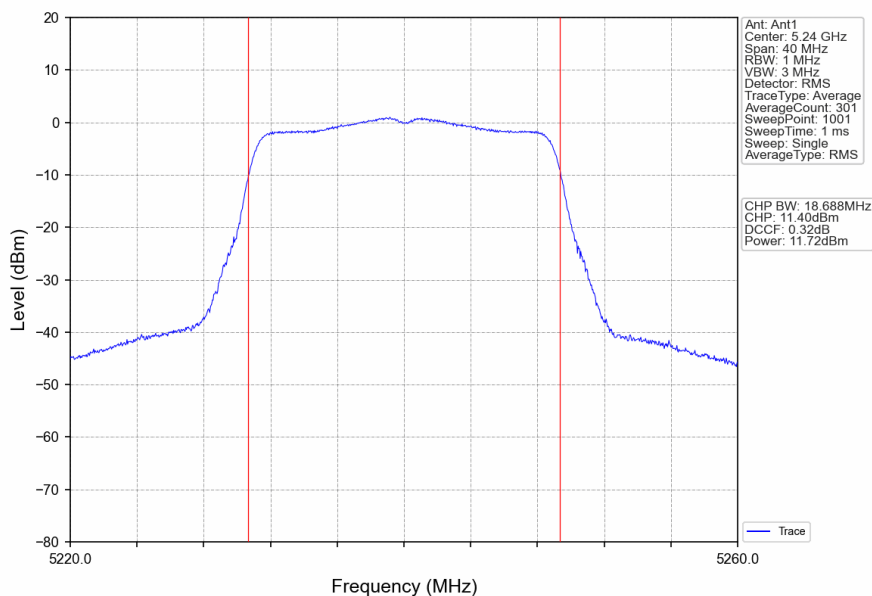
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



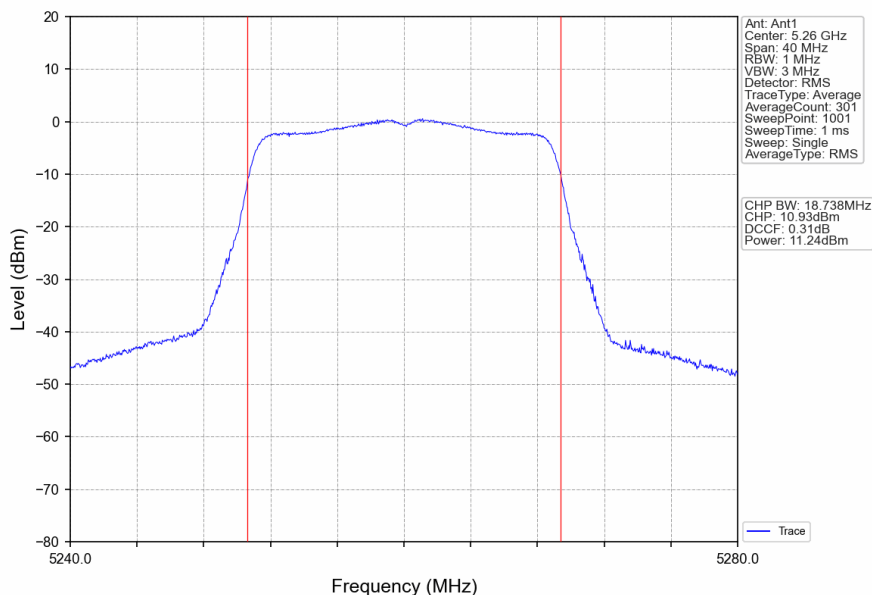
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### 802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



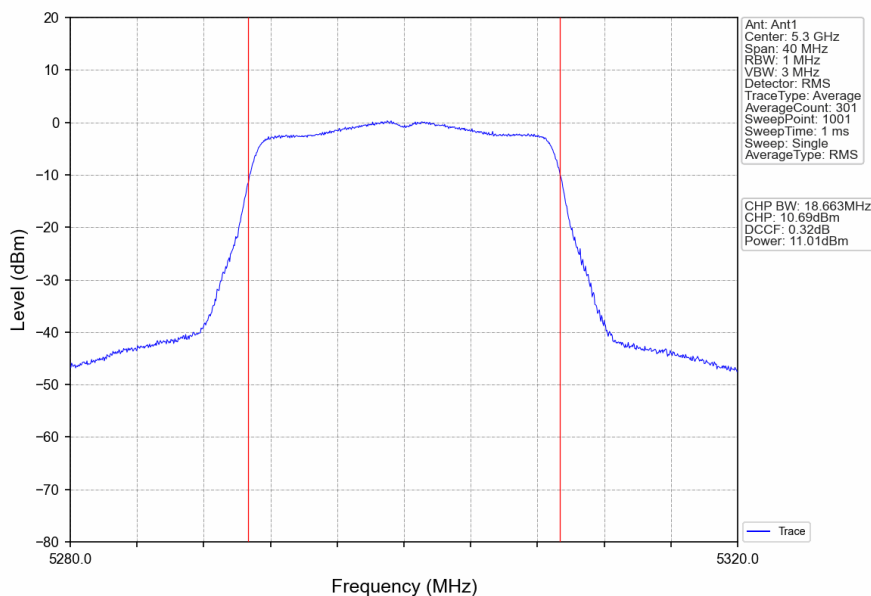
### 802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV



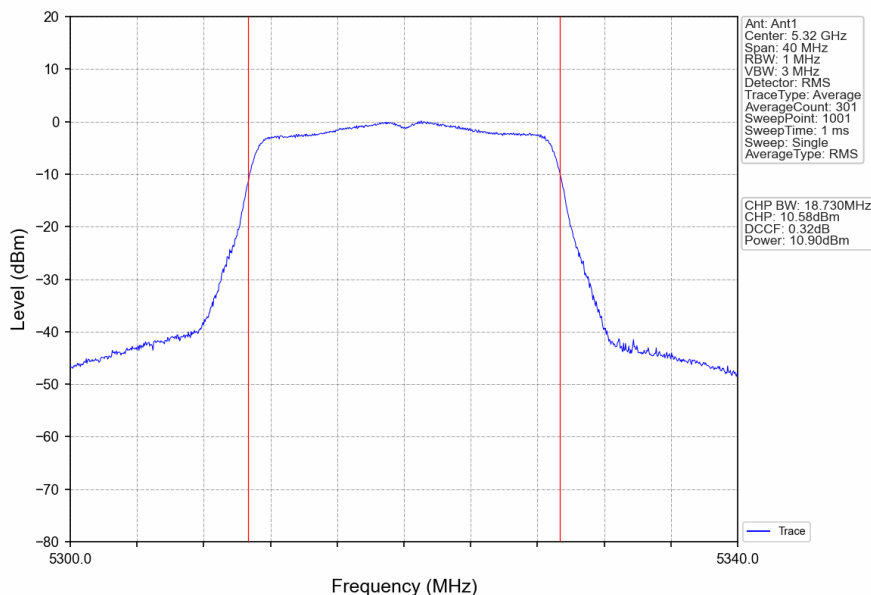
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802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



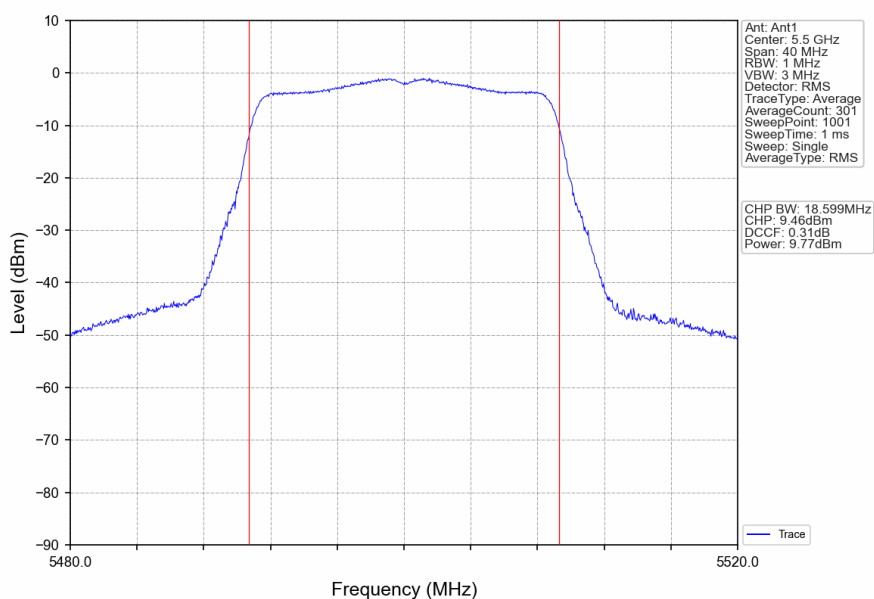
802.11n(HT20)\_HCH\_5320MHz\_Ant1\_NTNV



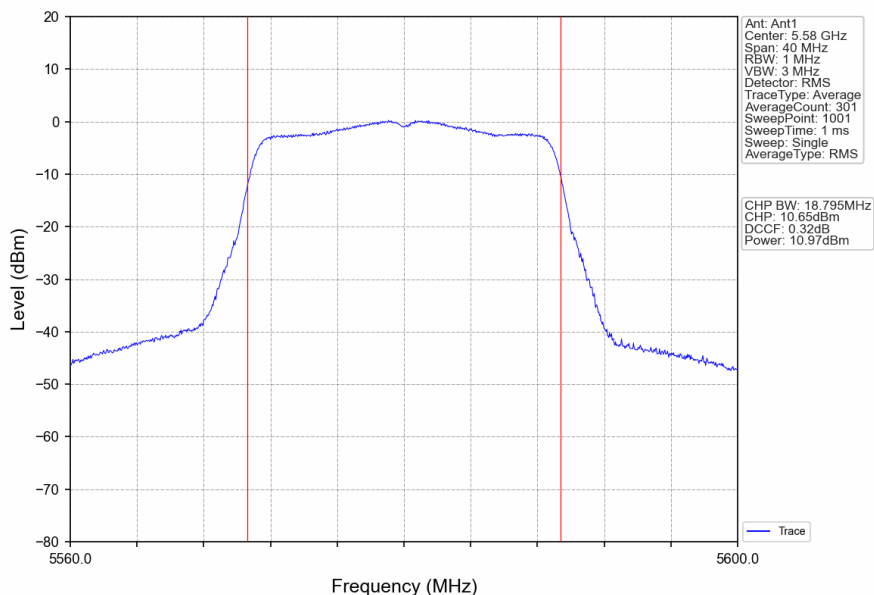
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### 802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



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

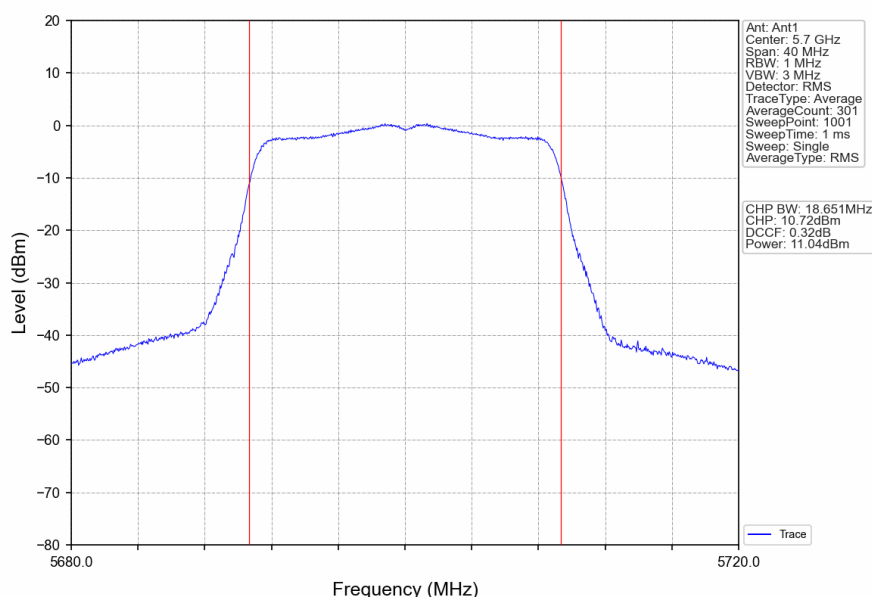


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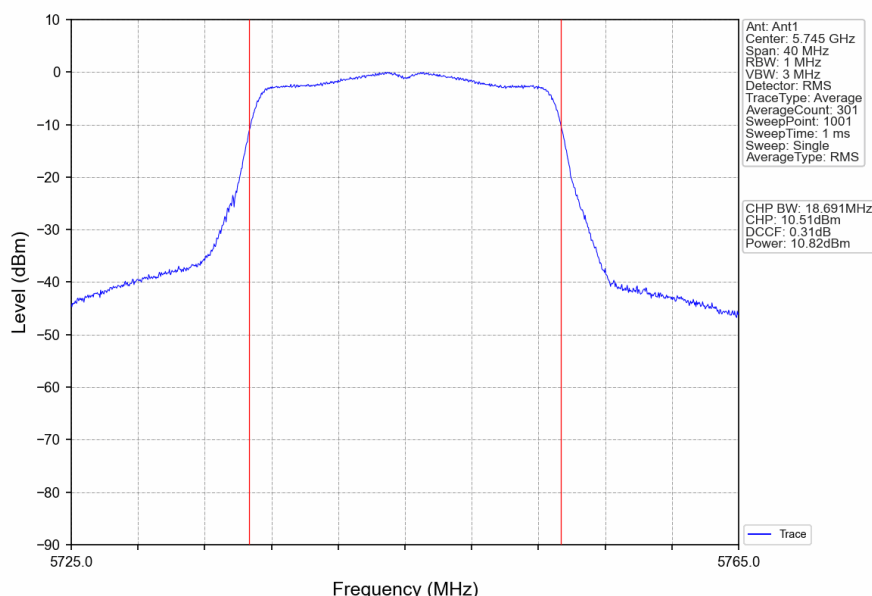
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



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

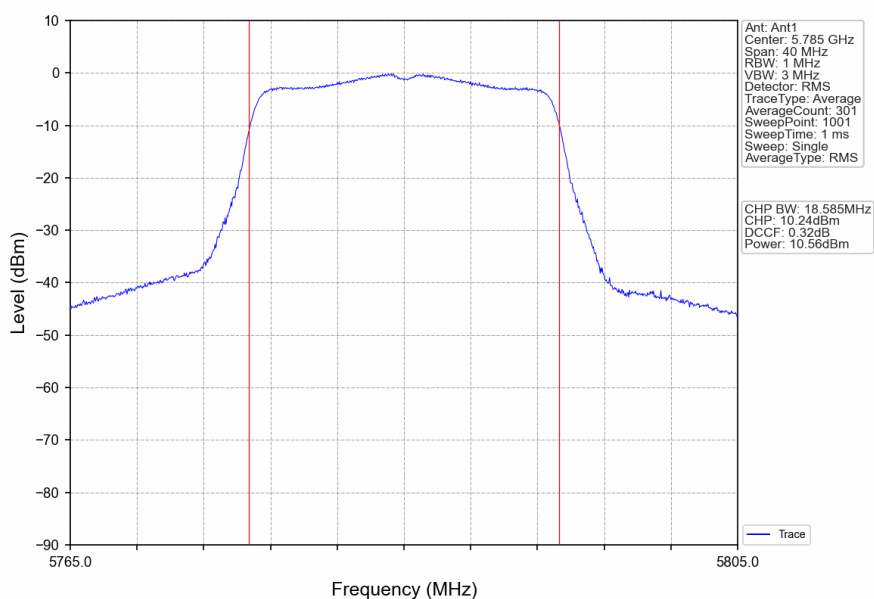


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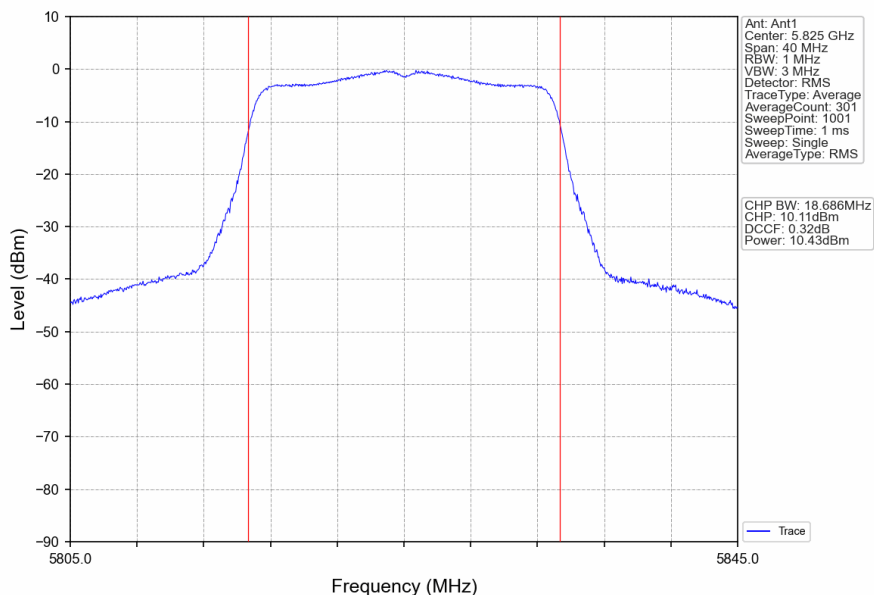
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



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

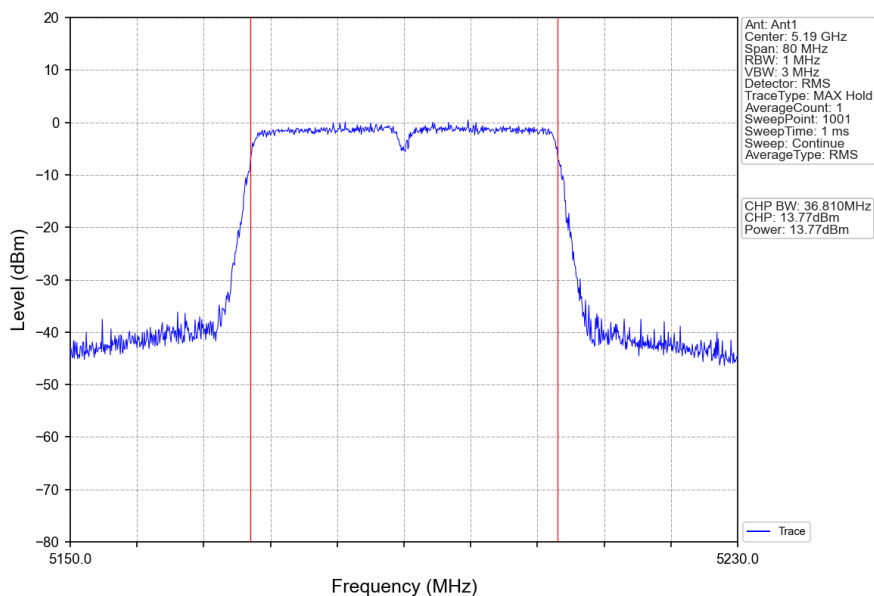


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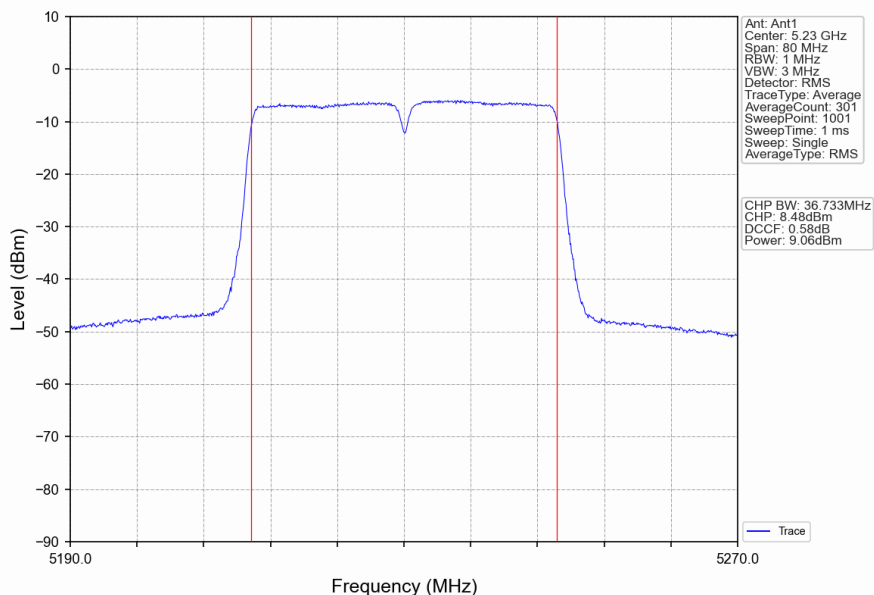
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### 802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



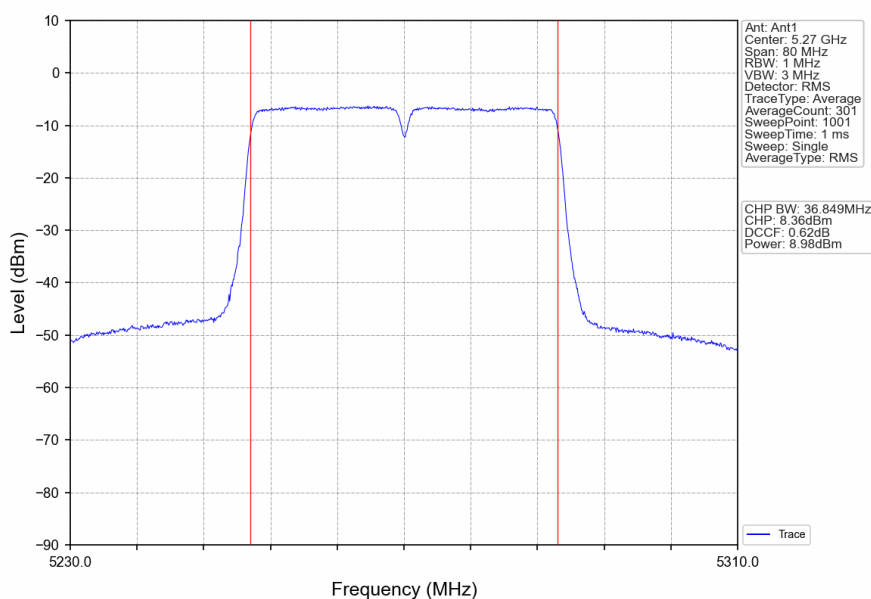
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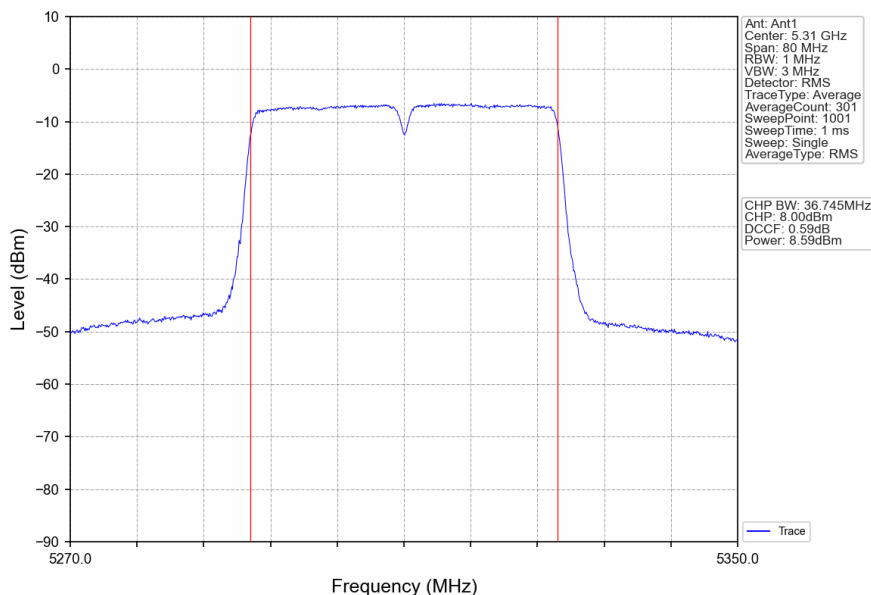
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### 802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



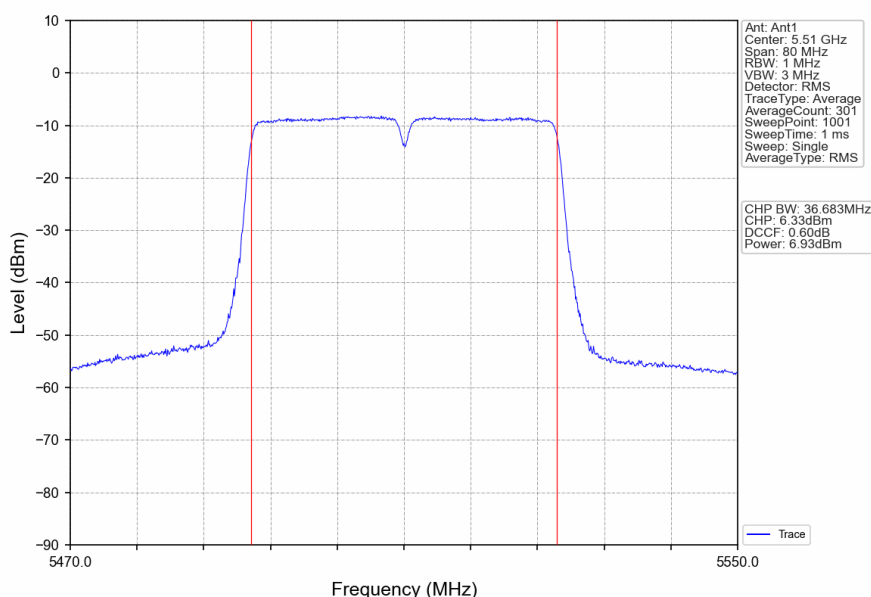
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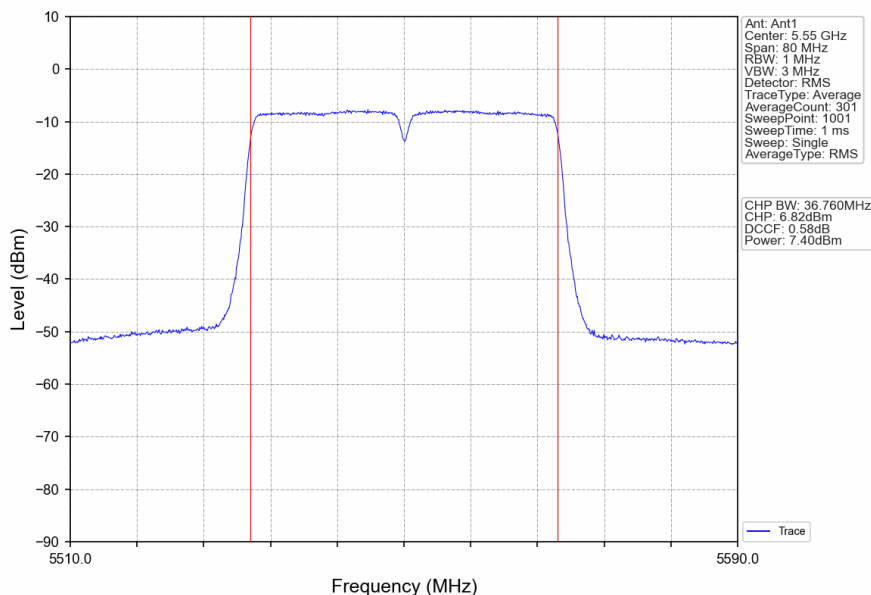
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### 802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV



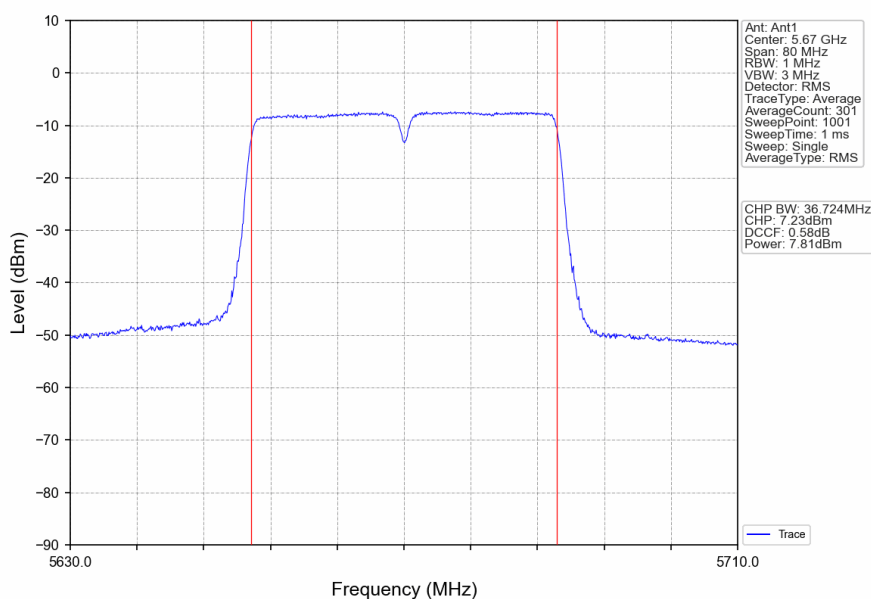
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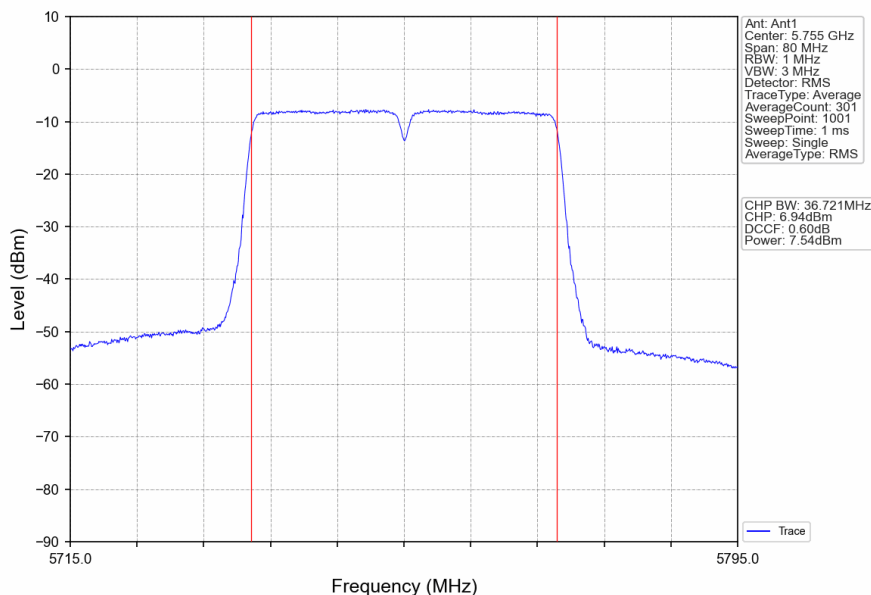
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### 802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



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



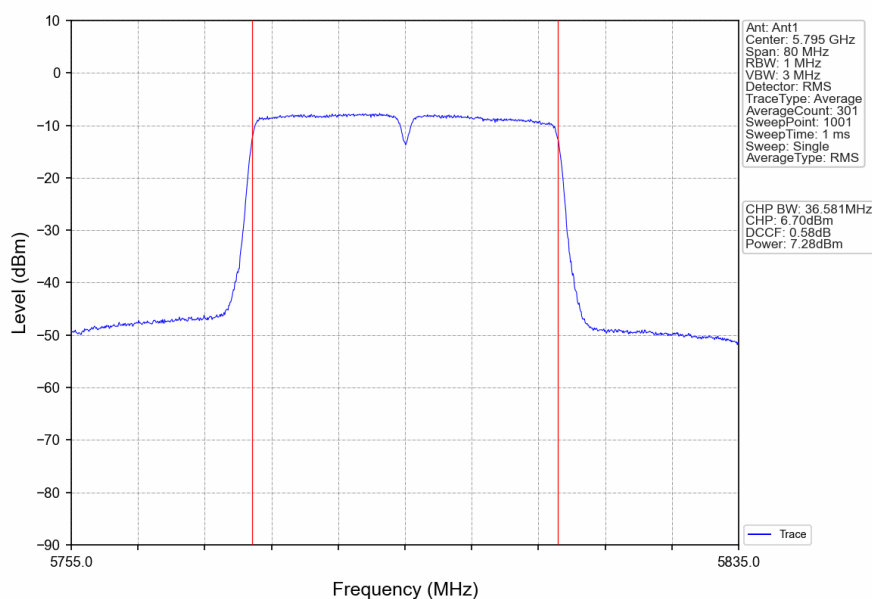
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### 802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



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### 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	0.98	<=11	Pass
		5200	0.90	<=11	Pass
		5240	0.99	<=11	Pass
		5260	0.65	<=11	Pass
		5300	0.31	<=11	Pass
		5320	0.27	<=11	Pass
		5500	-0.83	<=11	Pass
		5580	0.26	<=11	Pass
		5700	0.45	<=11	Pass
802.11n (HT20)	SISO	5180	0.94	<=11	Pass
		5200	3.93	<=11	Pass
		5240	1.31	<=11	Pass
		5260	0.94	<=11	Pass
		5300	0.75	<=11	Pass
		5320	0.49	<=11	Pass
		5500	-0.77	<=11	Pass
		5580	0.44	<=11	Pass
		5700	0.59	<=11	Pass
802.11n (HT40)	SISO	5190	0.76	<=11	Pass
		5230	-5.39	<=11	Pass
		5270	-5.59	<=11	Pass
		5310	-5.76	<=11	Pass
		5510	-7.53	<=11	Pass
		5550	-6.99	<=11	Pass
		5670	-6.72	<=11	Pass

Note1: Antenna Gain: Ant1: 1.50dBi;