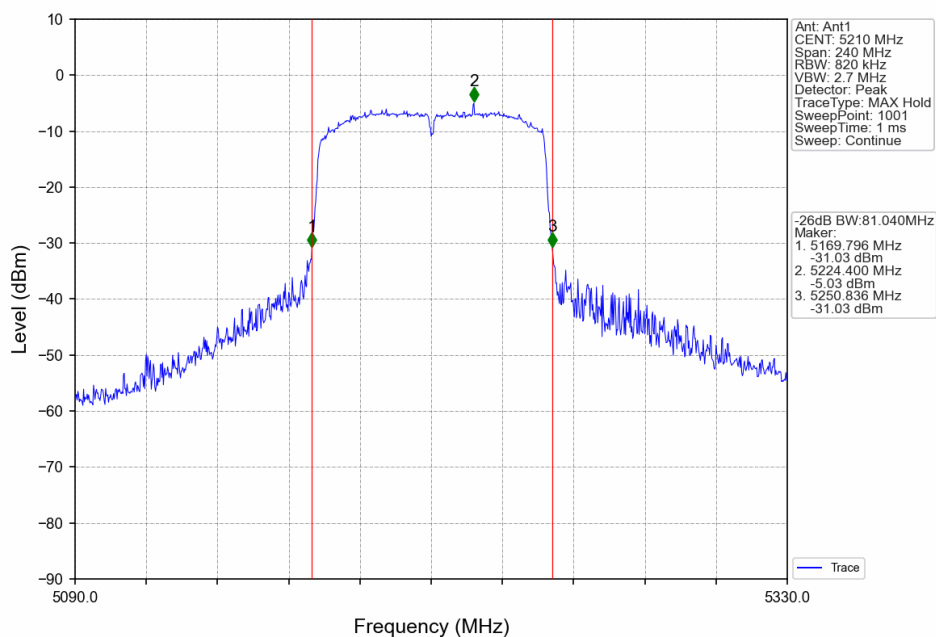
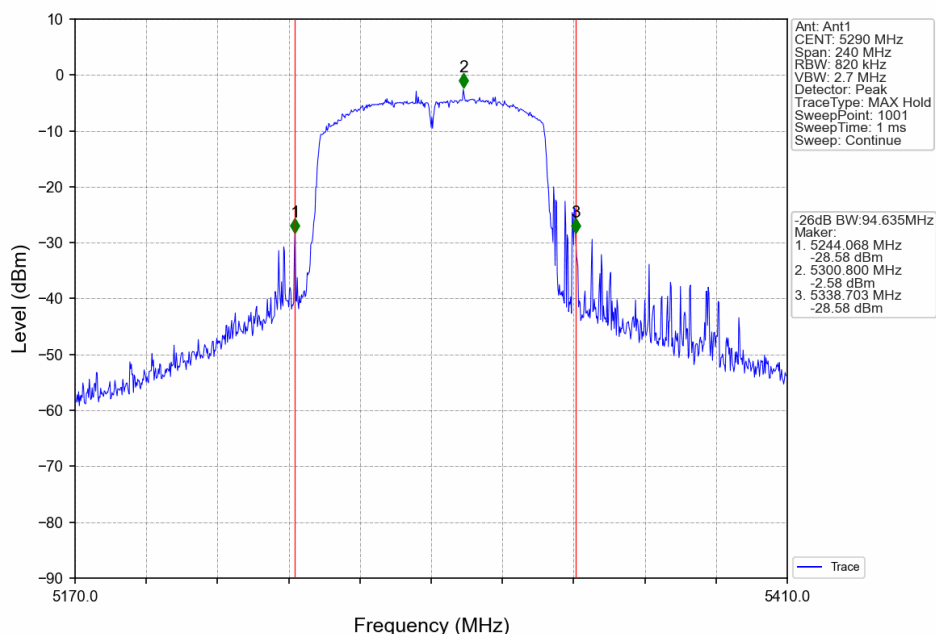


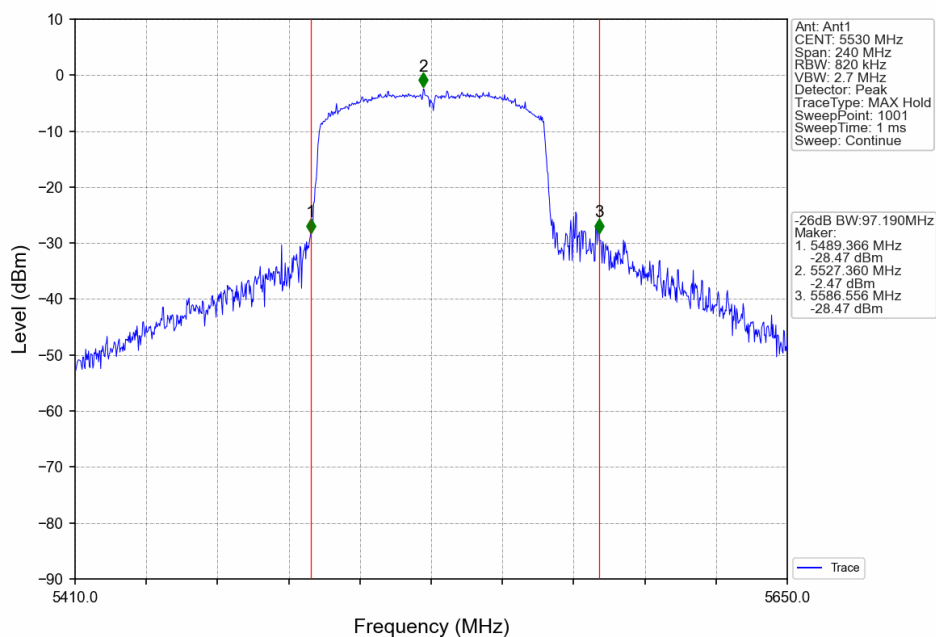
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



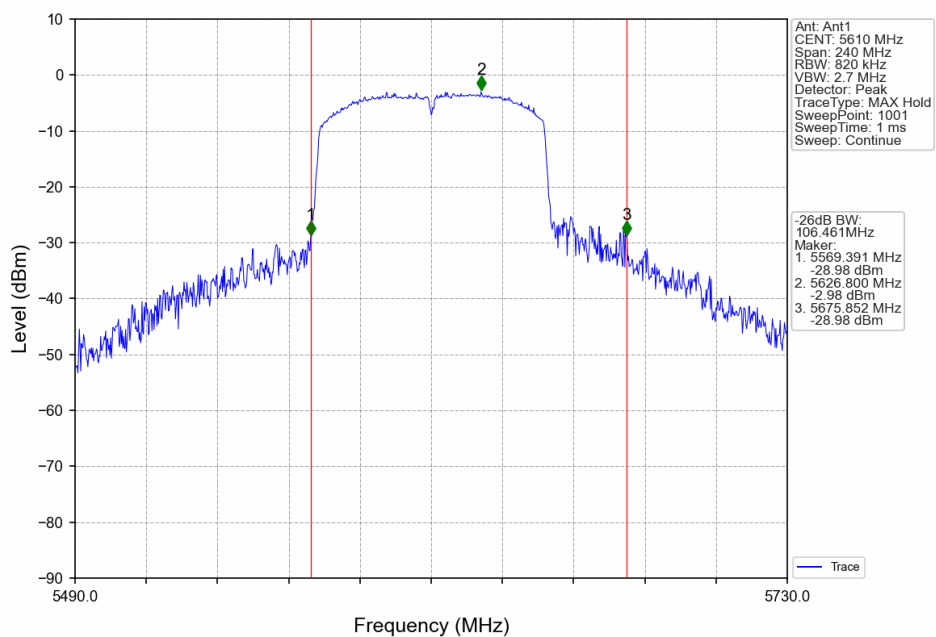
802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



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



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



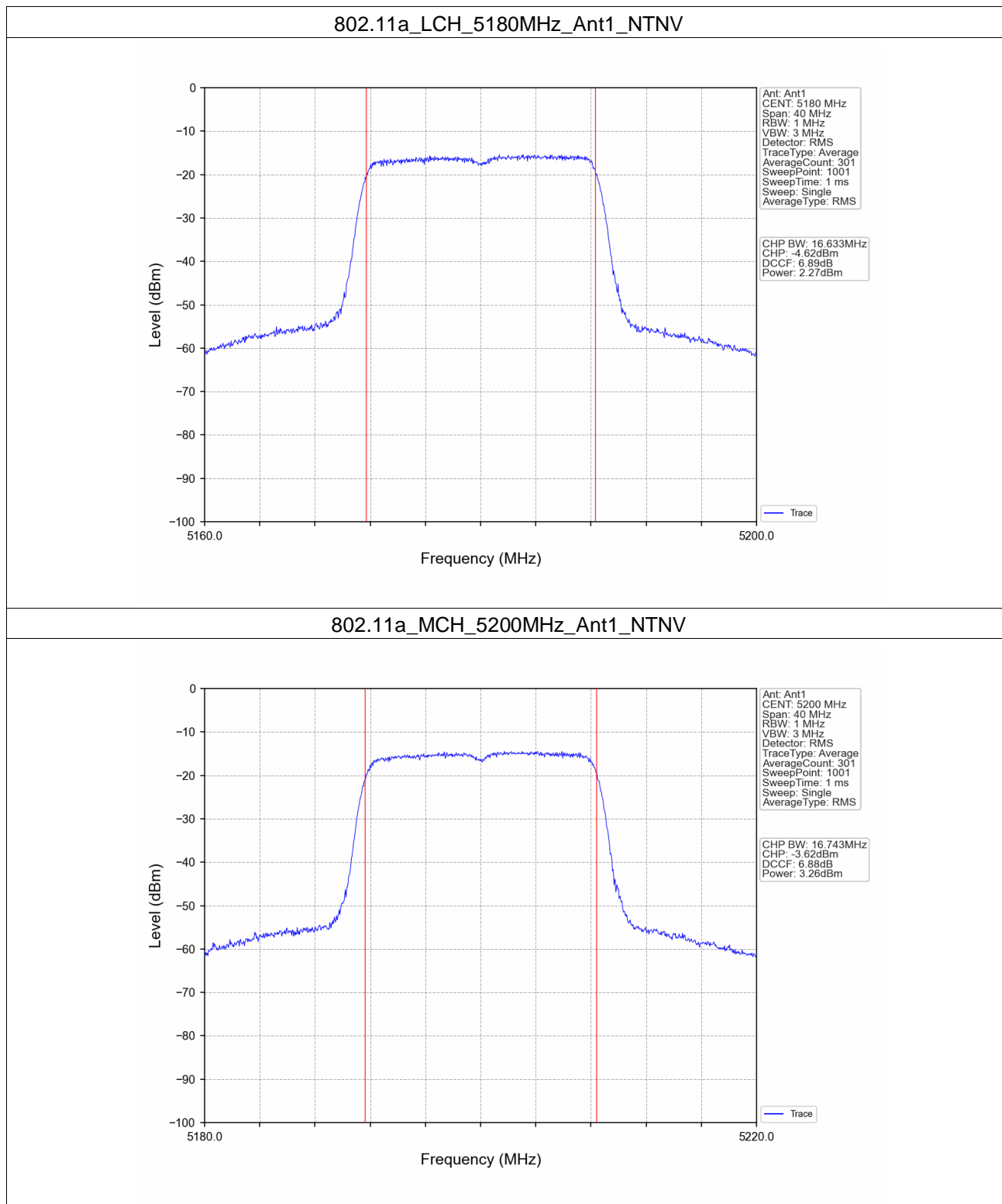
### 3. Maximum Conducted Output Power

#### 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	2.27	<=23.98	Pass
		5200	3.26	<=23.98	Pass
		5240	3.89	<=23.98	Pass
		5260	2.84	<=23.65	Pass
		5300	4.58	<=23.63	Pass
		5320	2.84	<=23.64	Pass
		5500	2.72	<=23.71	Pass
		5580	2.81	<=23.62	Pass
		5700	3.78	<=23.66	Pass
		5745	3.00	<=30	Pass
		5785	4.13	<=30	Pass
		5825	5.13	<=30	Pass
802.11n (HT40)	SISO	5190	3.50	<=23.98	Pass
		5230	2.06	<=23.98	Pass
		5270	4.10	<=23.98	Pass
		5310	2.89	<=23.98	Pass
		5510	3.66	<=23.98	Pass
		5550	4.24	<=23.98	Pass
		5670	2.63	<=23.98	Pass
		5755	6.34	<=30	Pass
		5795	6.26	<=30	Pass
802.11ac (VHT80)	SISO	5210	3.83	<=23.98	Pass
		5290	1.33	<=23.98	Pass
		5530	4.77	<=23.98	Pass
		5610	5.34	<=23.98	Pass
		5775	5.55	<=30	Pass

### 3.1.2 Test Graph



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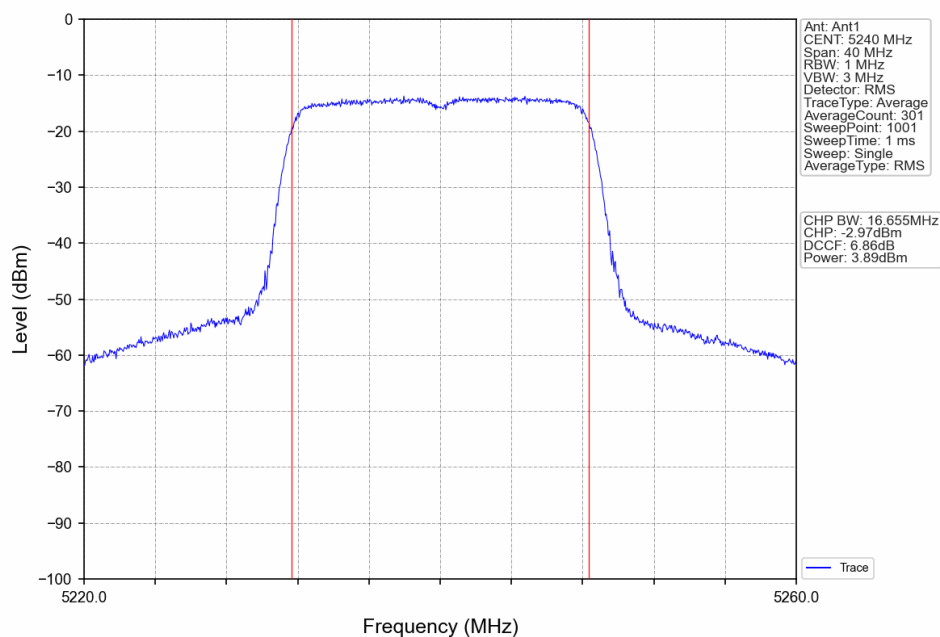
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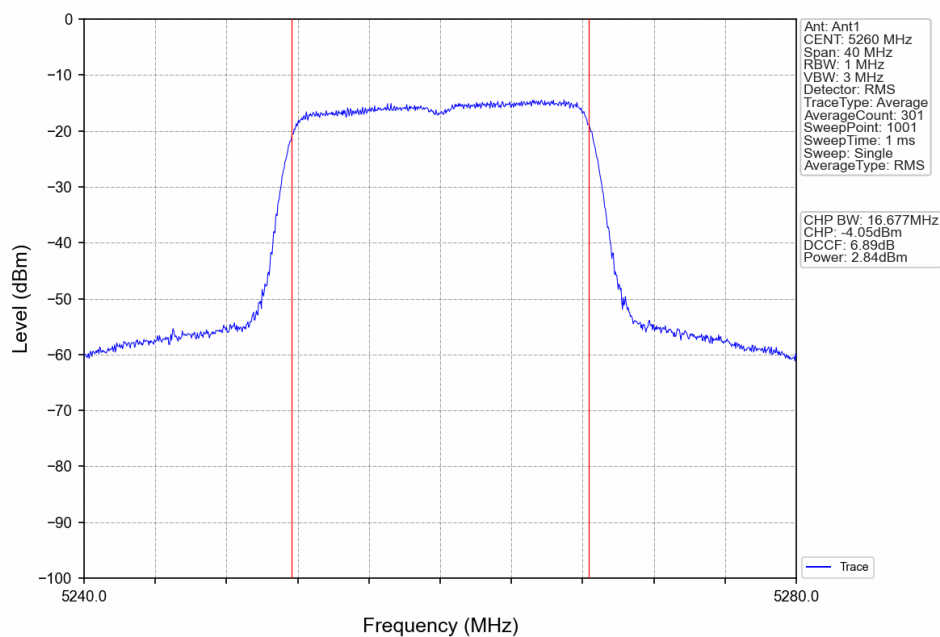
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### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



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



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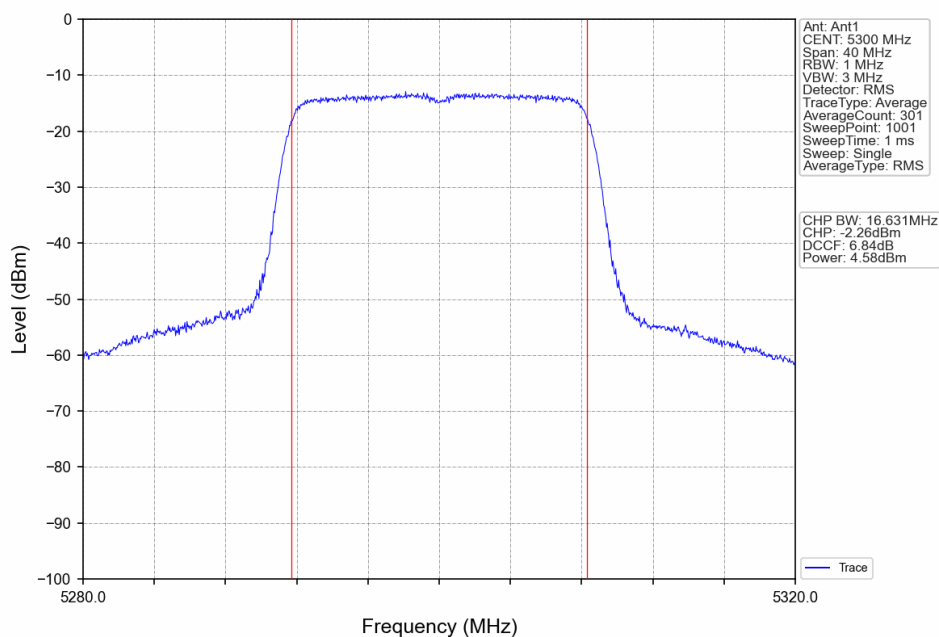
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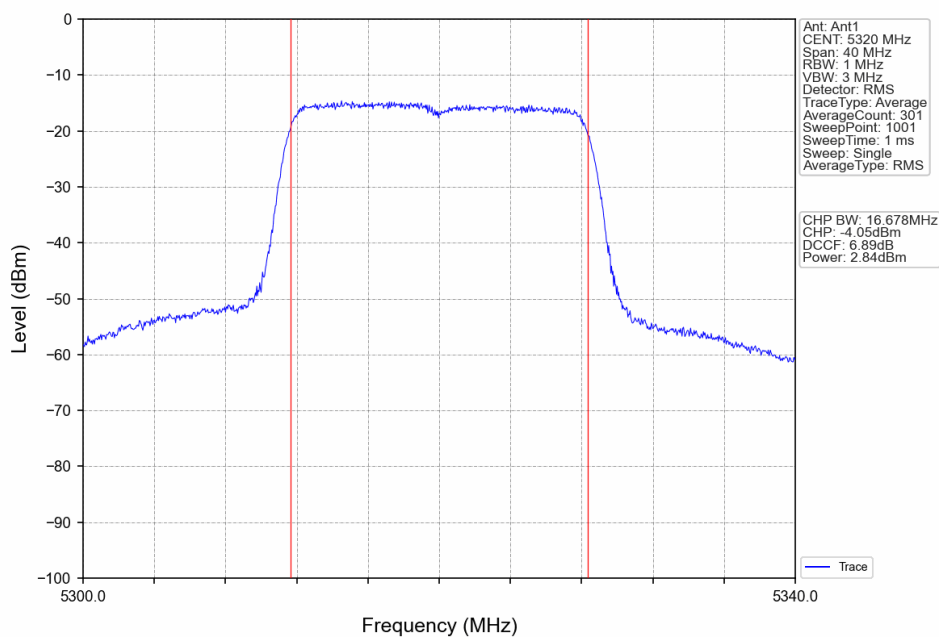
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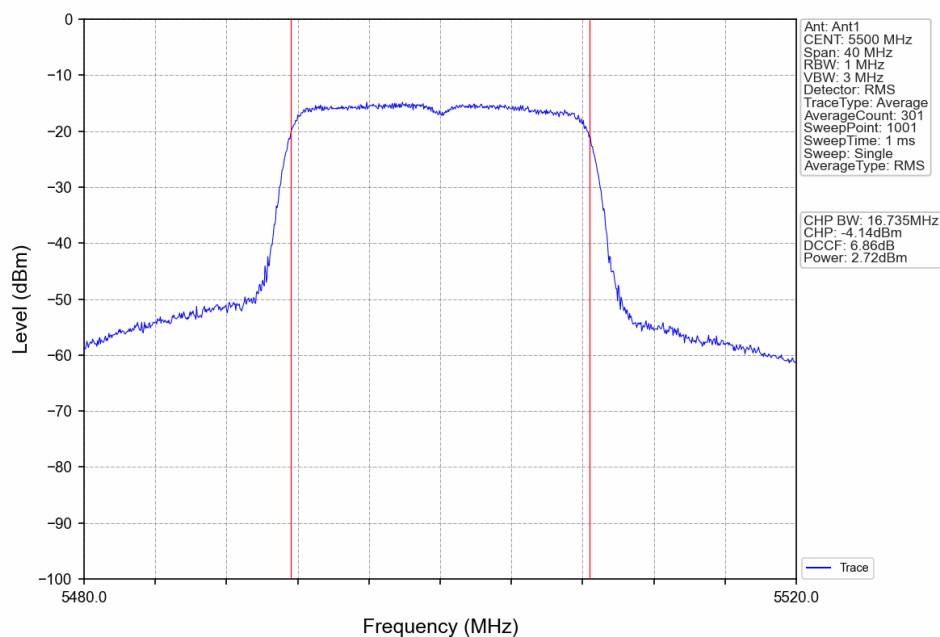
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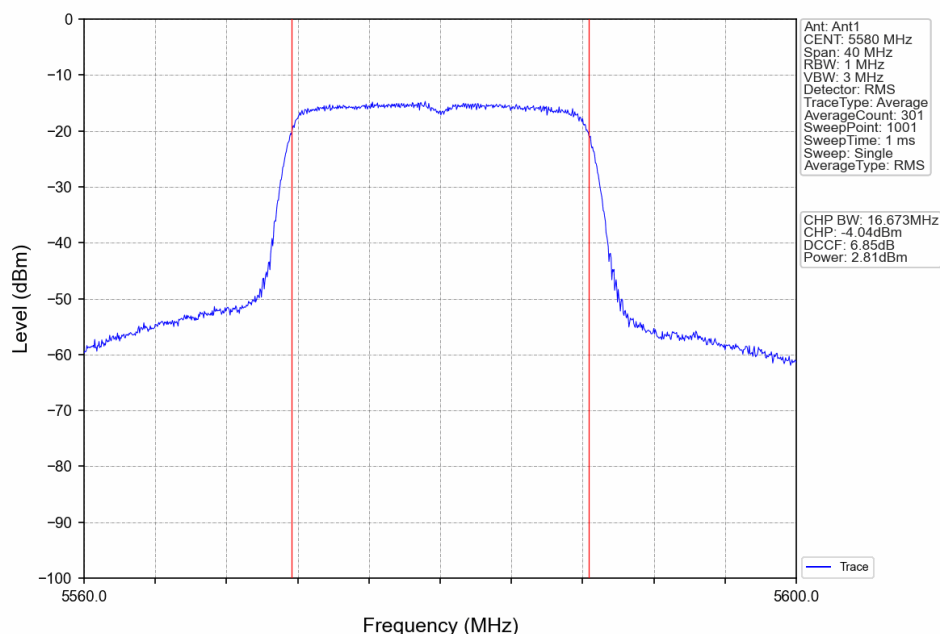
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



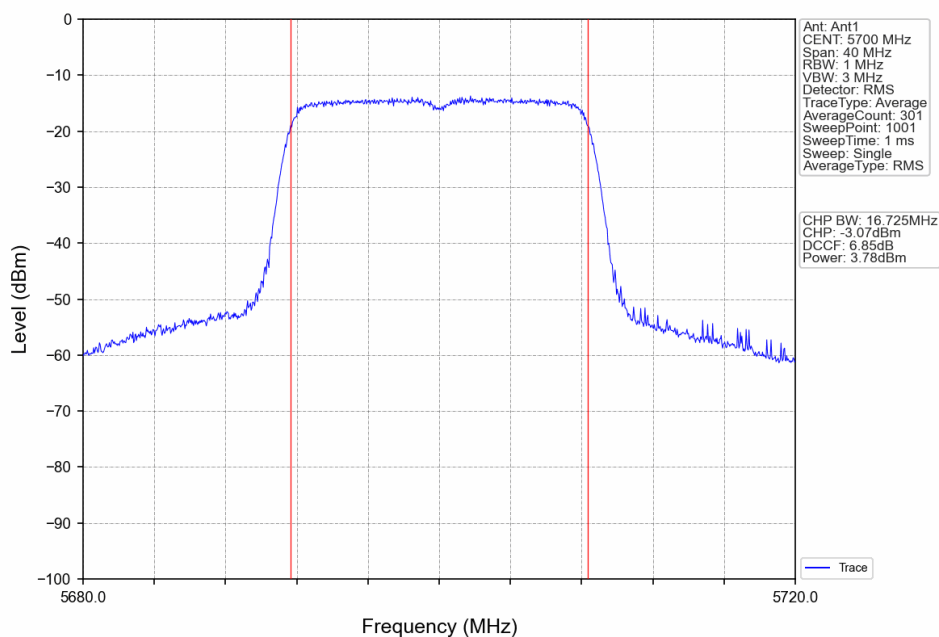
802.11a\_LCH\_5500MHz\_Ant1\_NTNV



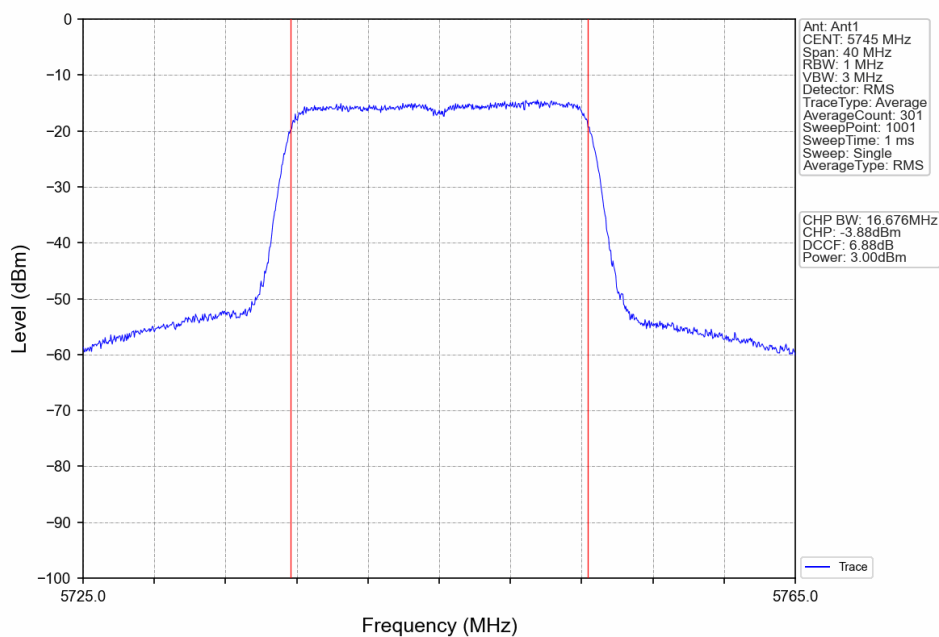
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



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



### 802.11a\_LCH\_5745MHz\_Ant1\_NTNV



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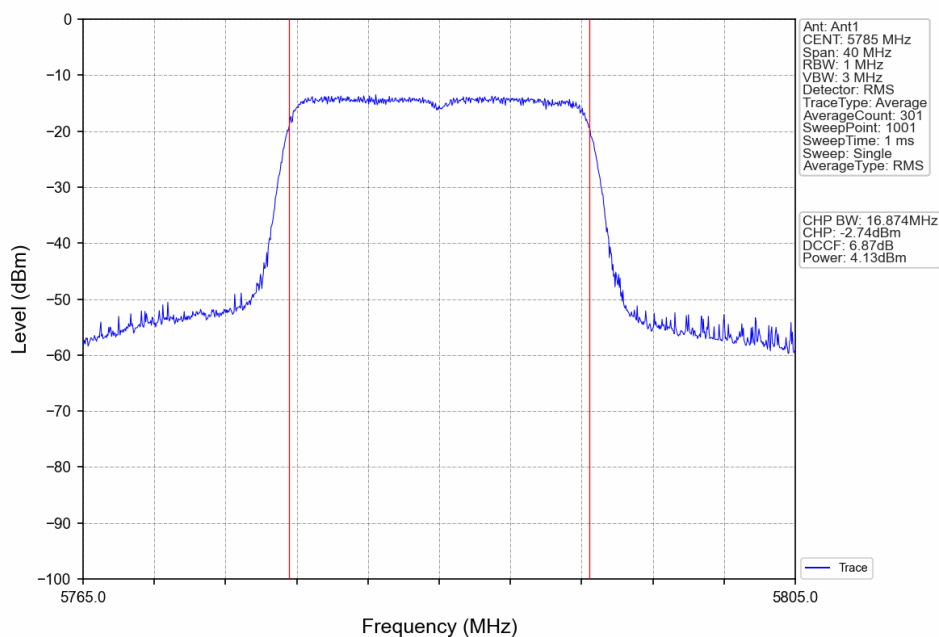
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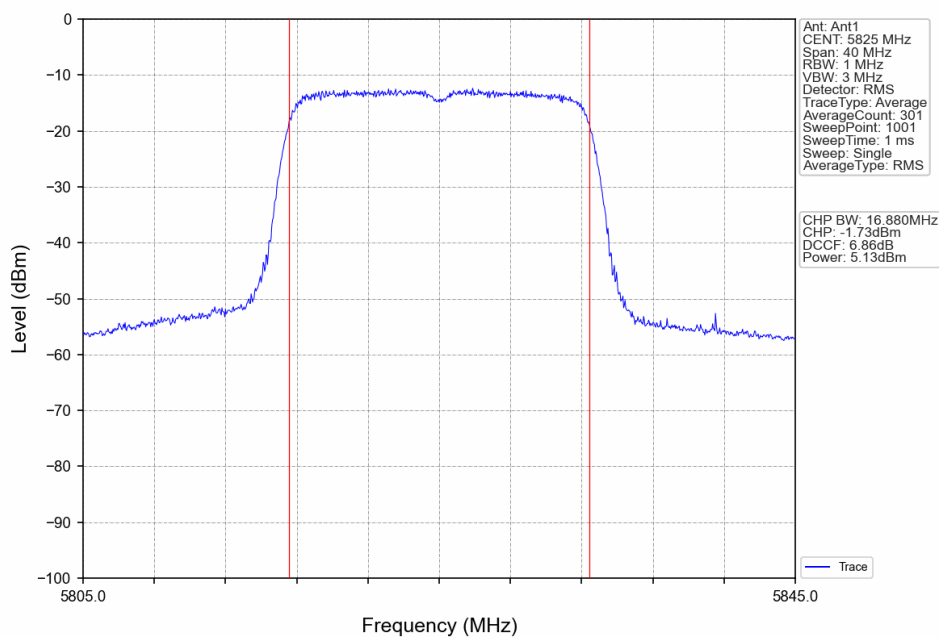
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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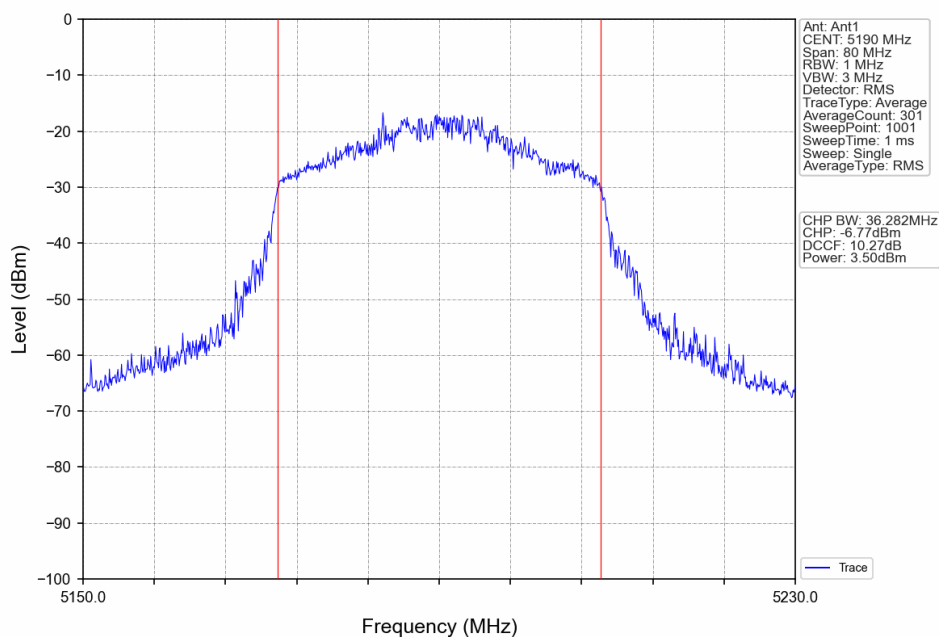
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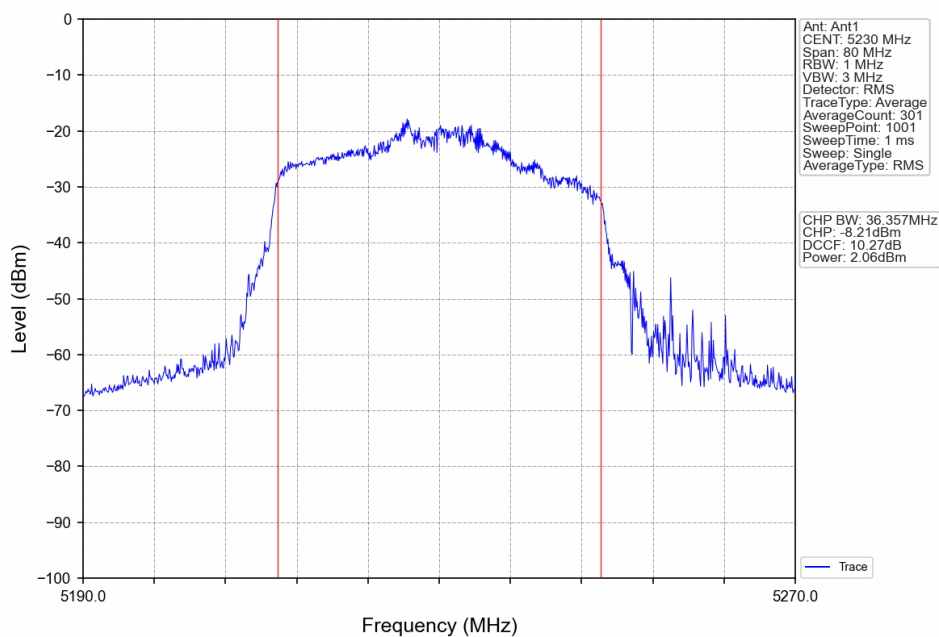
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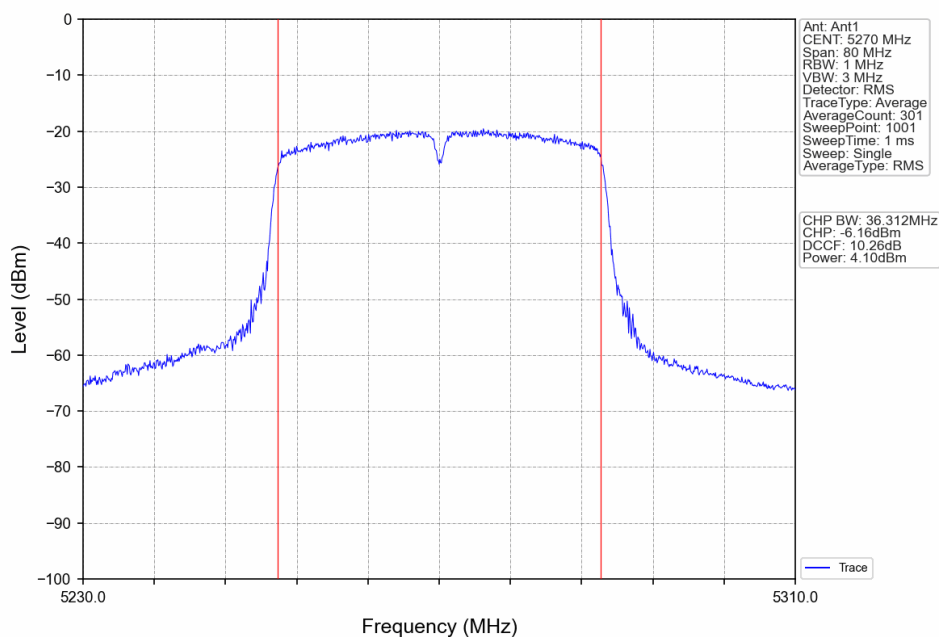
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



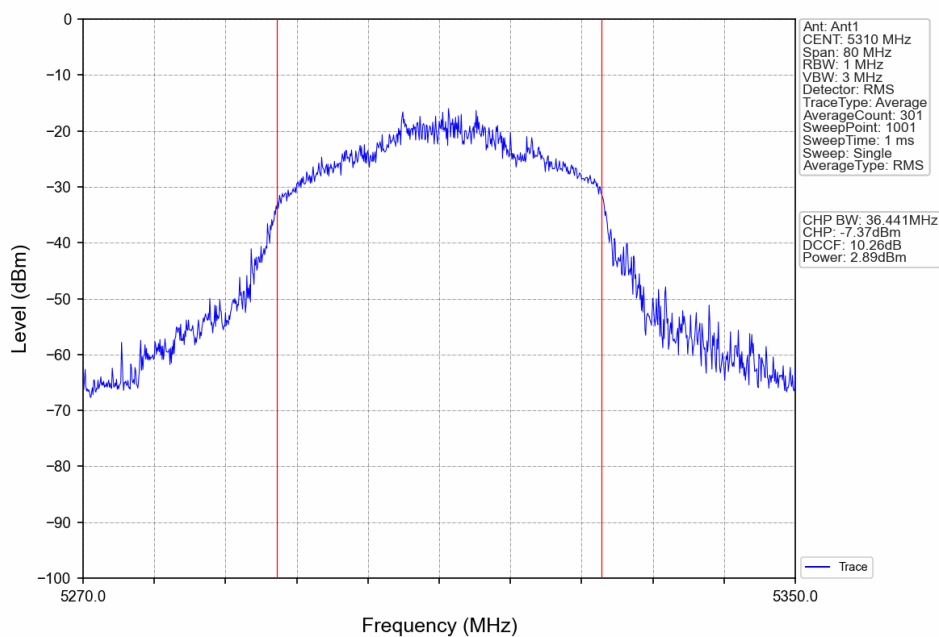
802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



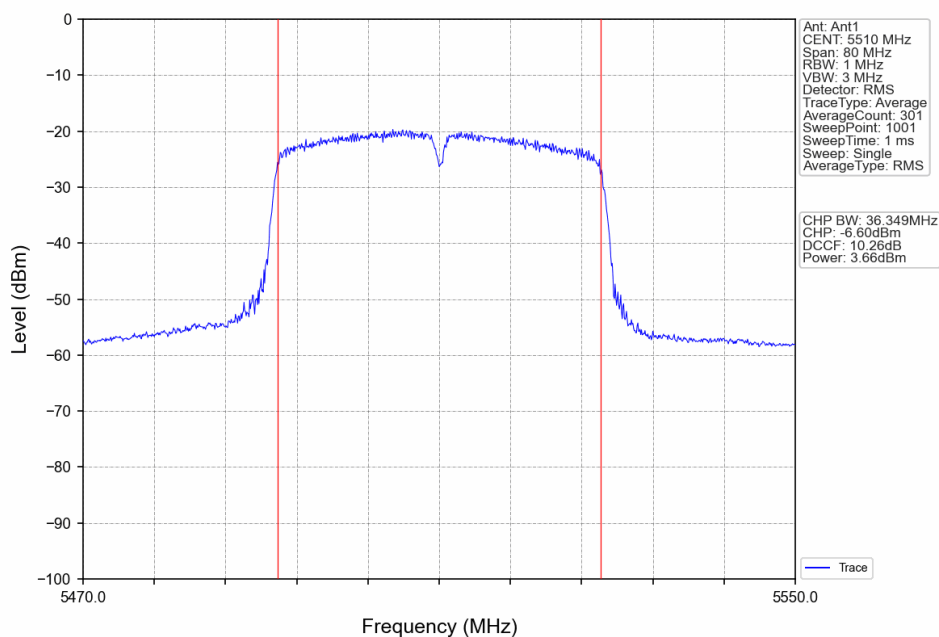
802.11n(HT40)\_LCH\_5270MHz\_Ant1\_NTNV



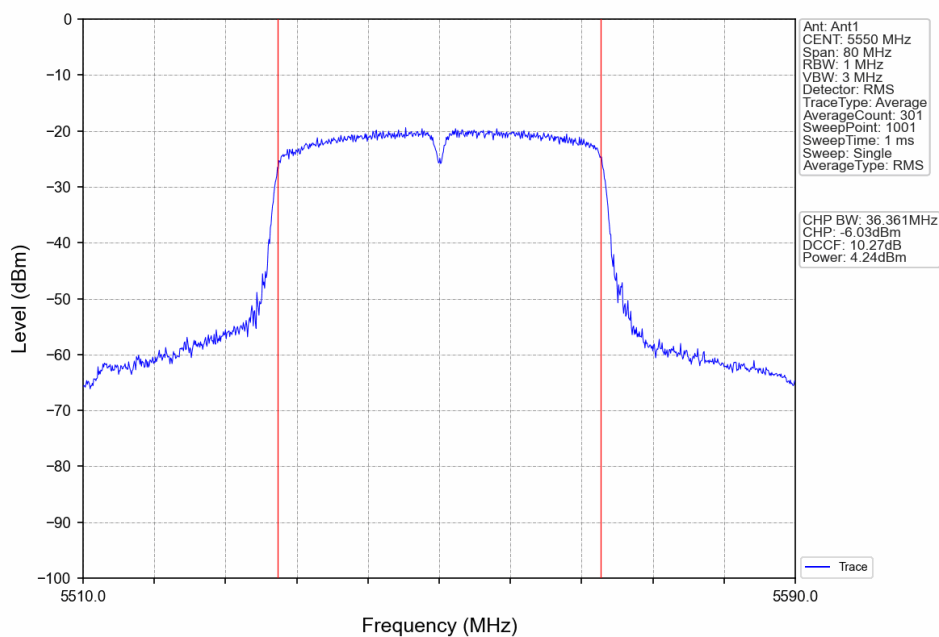
802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV



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

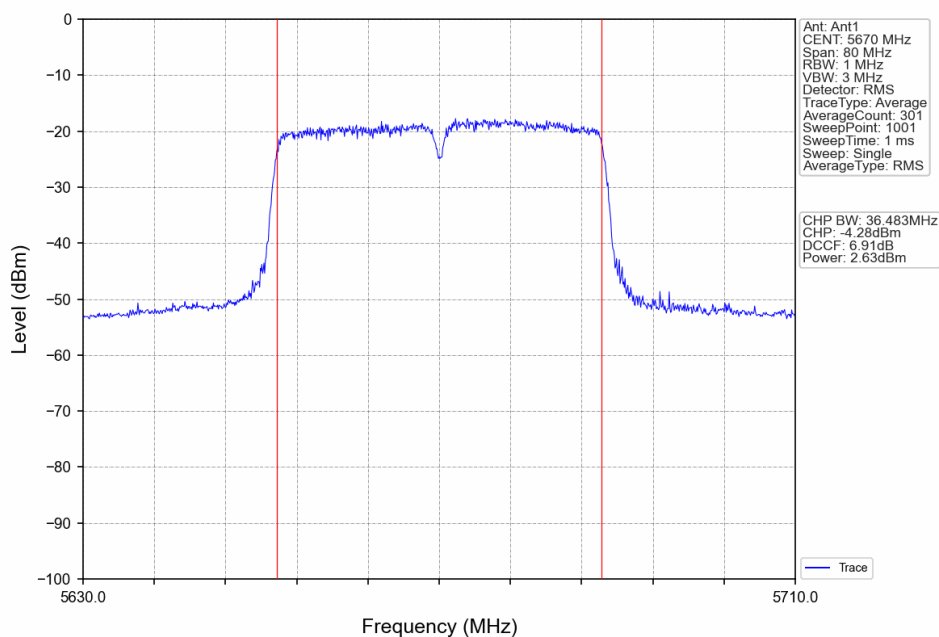


802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV

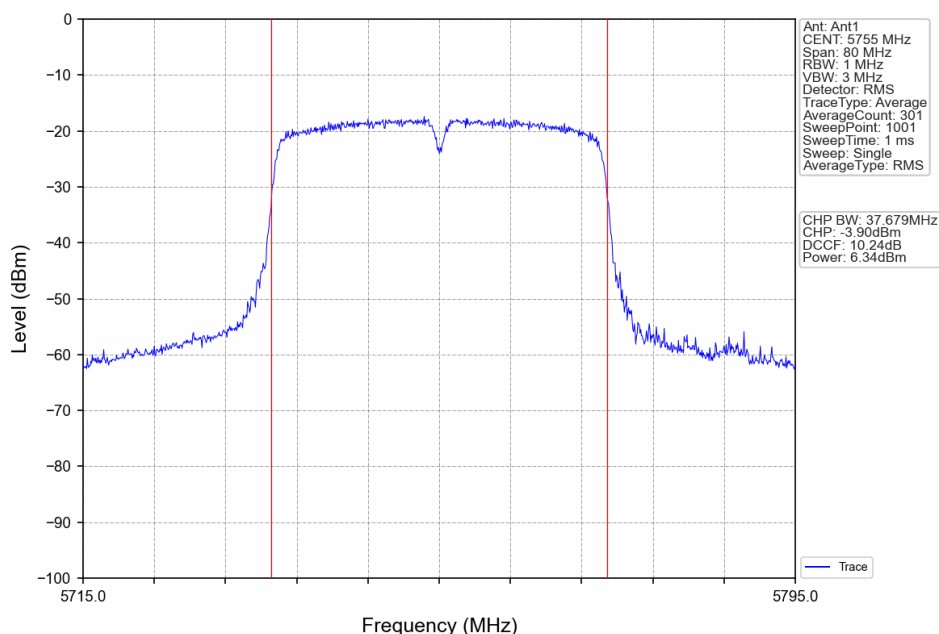




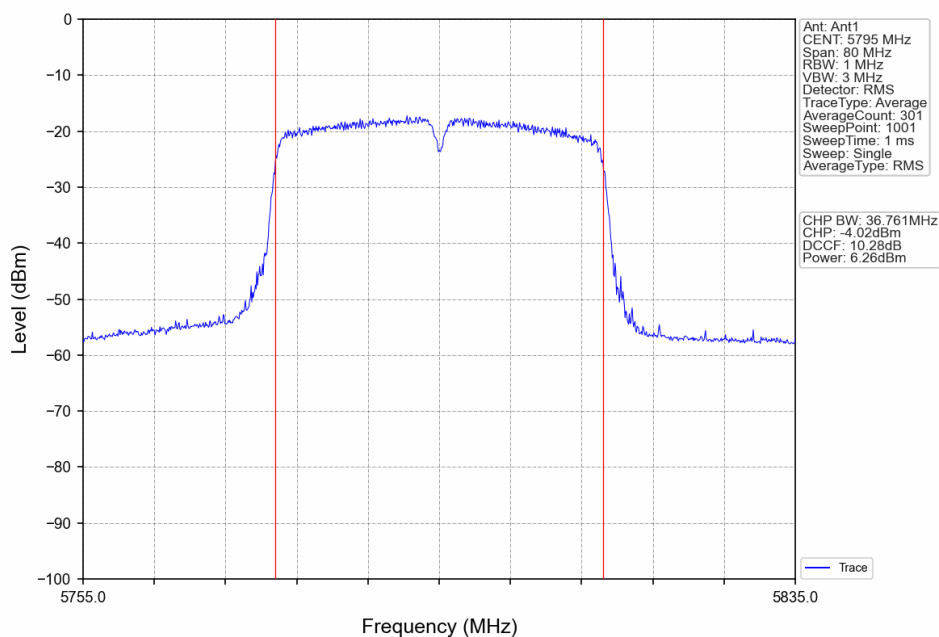
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



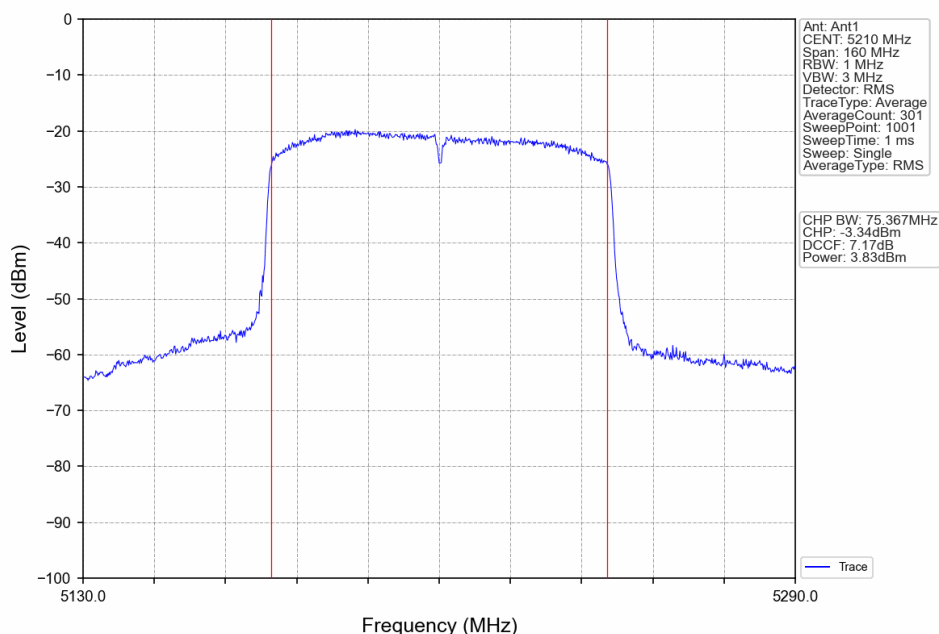
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



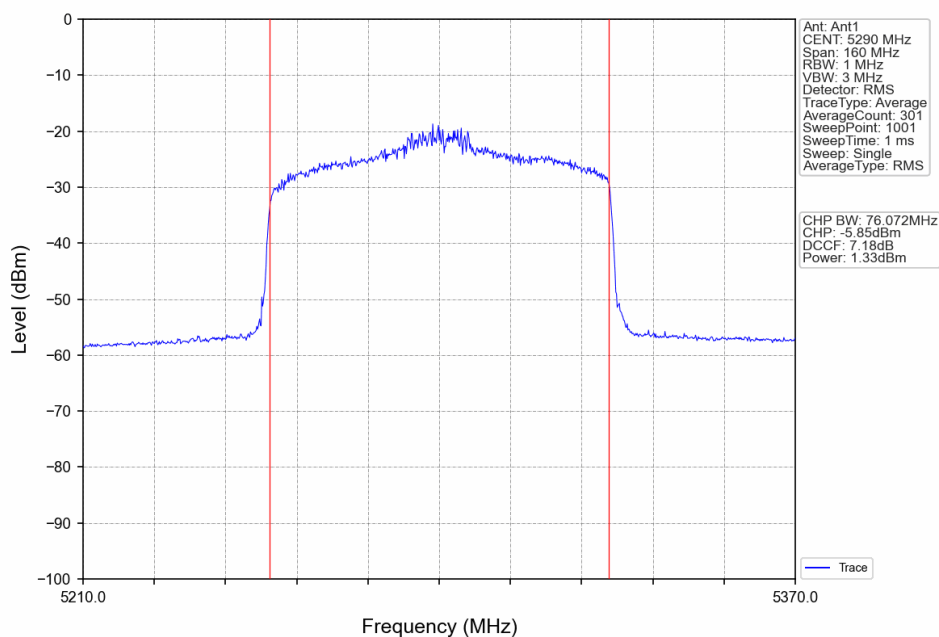
802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



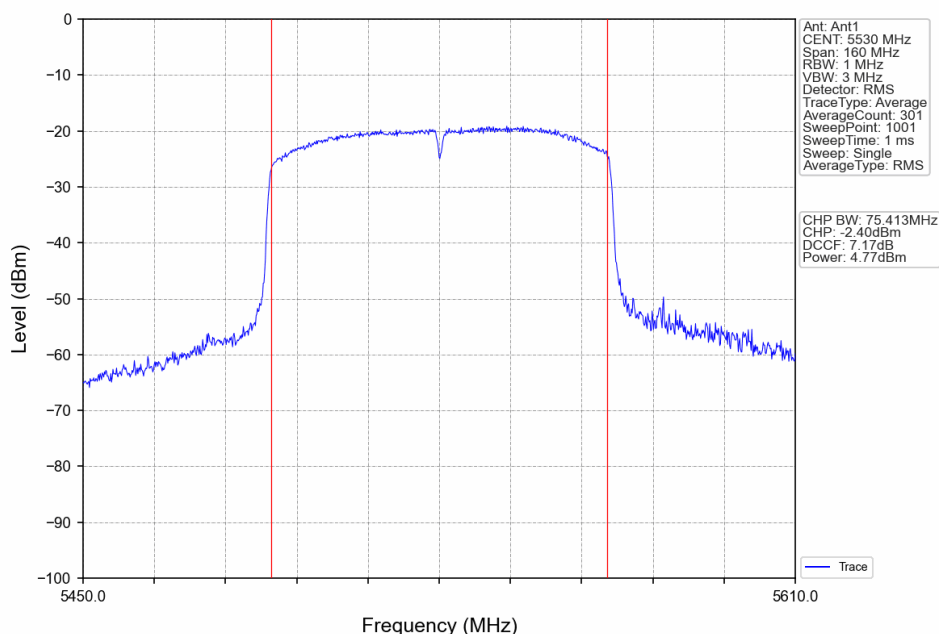
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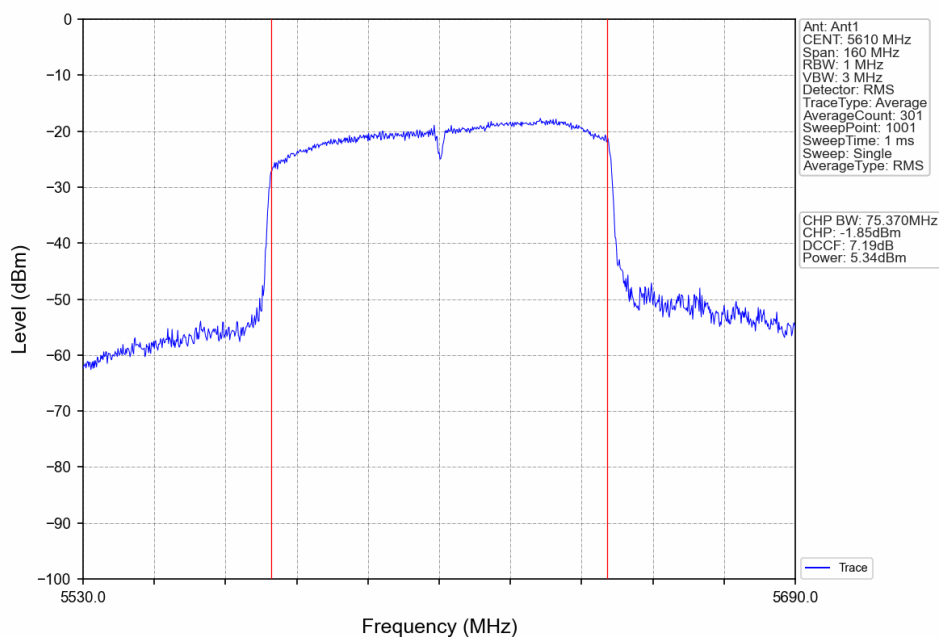
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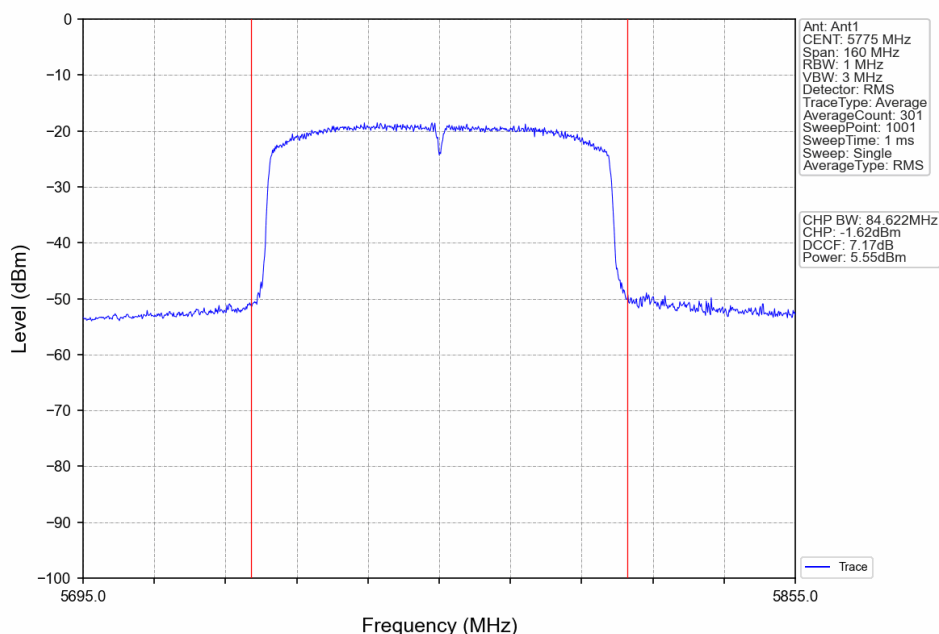
### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



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



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



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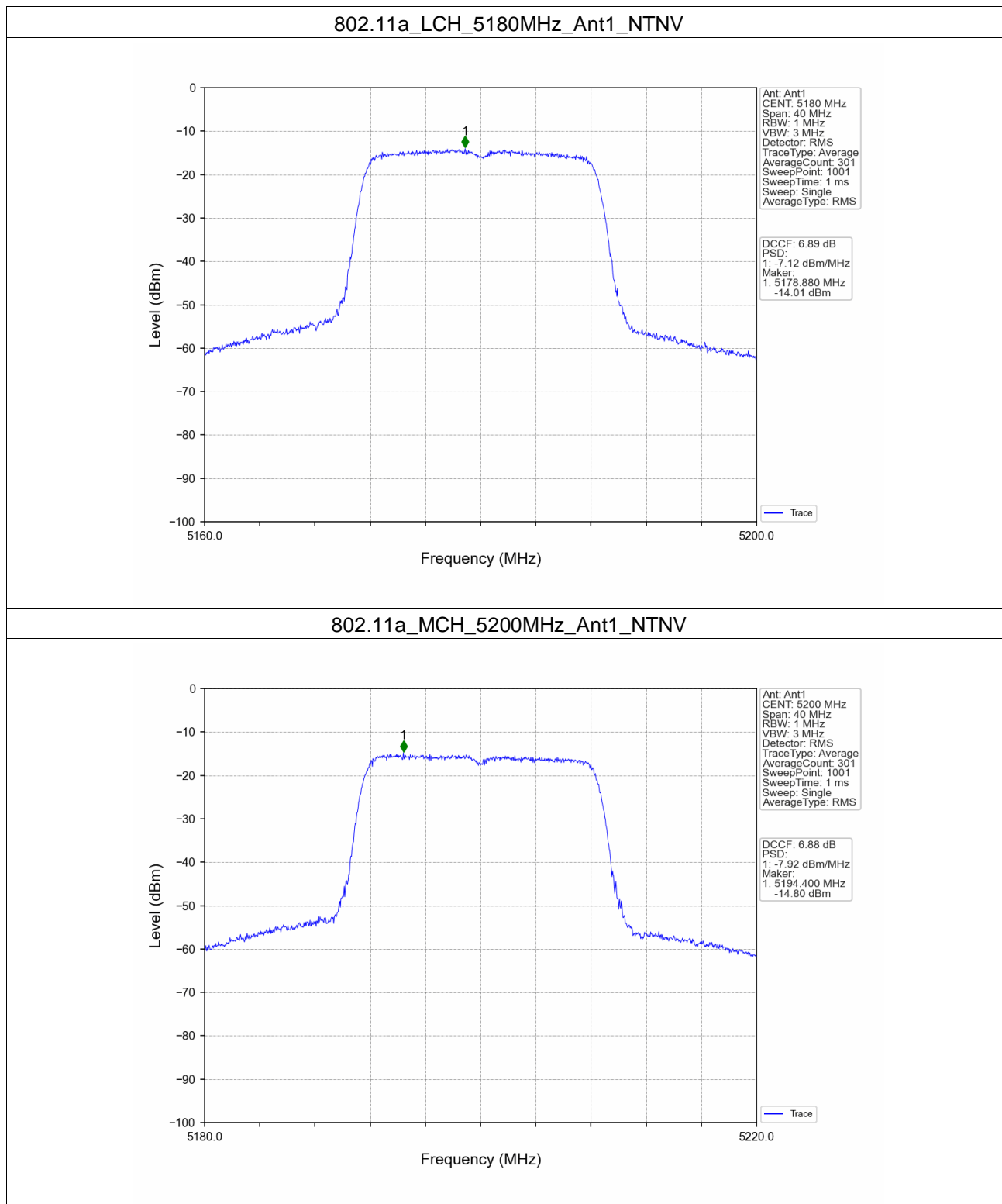
## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	-7.12	<=17	Pass
		5200	-7.92	<=17	Pass
		5240	-7.71	<=17	Pass
		5260	-7.58	<=11	Pass
		5300	-7.04	<=11	Pass
		5320	-14.11	<=11	Pass
		5500	-7.93	<=11	Pass
		5580	-8.09	<=11	Pass
		5700	-8.19	<=11	Pass
802.11n (HT40)	SISO	5190	-6.94	<=17	Pass
		5230	-7.98	<=17	Pass
		5270	-9.08	<=11	Pass
		5310	-2.89	<=11	Pass
		5510	-9.14	<=11	Pass
		5550	-8.23	<=11	Pass
		5670	-3.46	<=11	Pass
802.11ac (VHT80)	SISO	5210	-11.63	<=17	Pass
		5290	-18.21	<=11	Pass
		5530	-9.85	<=11	Pass
		5610	-9.82	<=11	Pass

### 4.1.2 Test Graph



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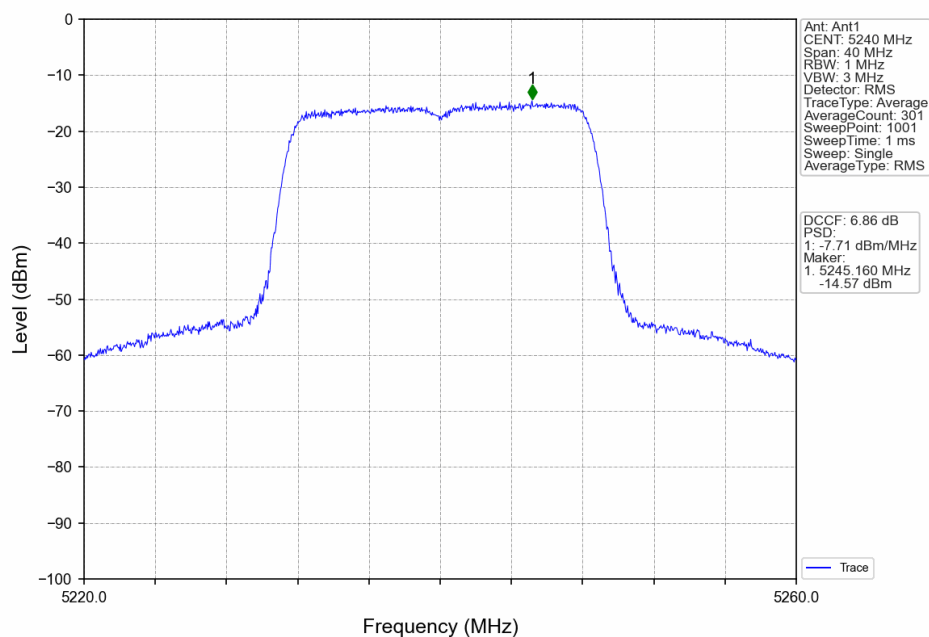
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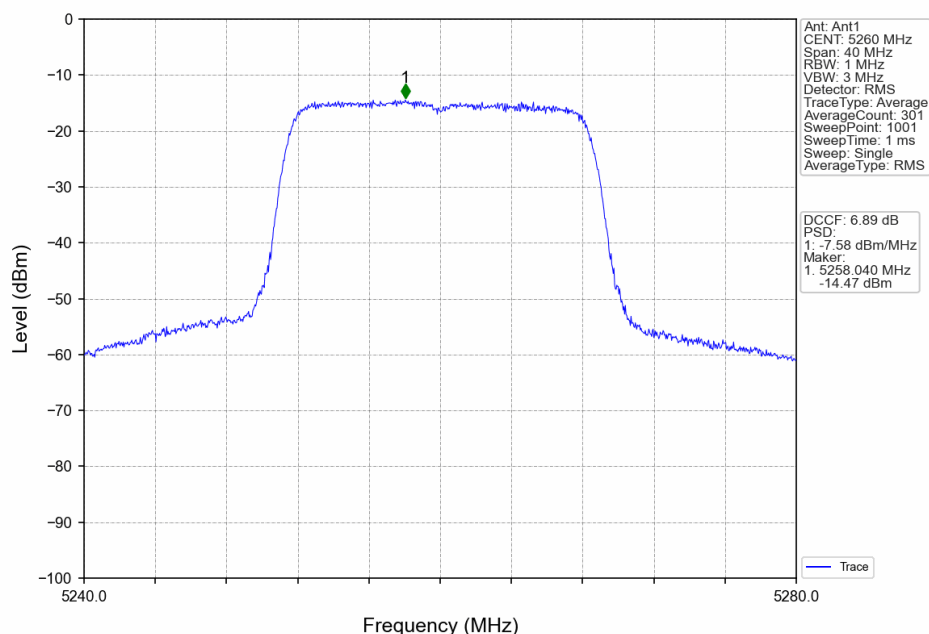
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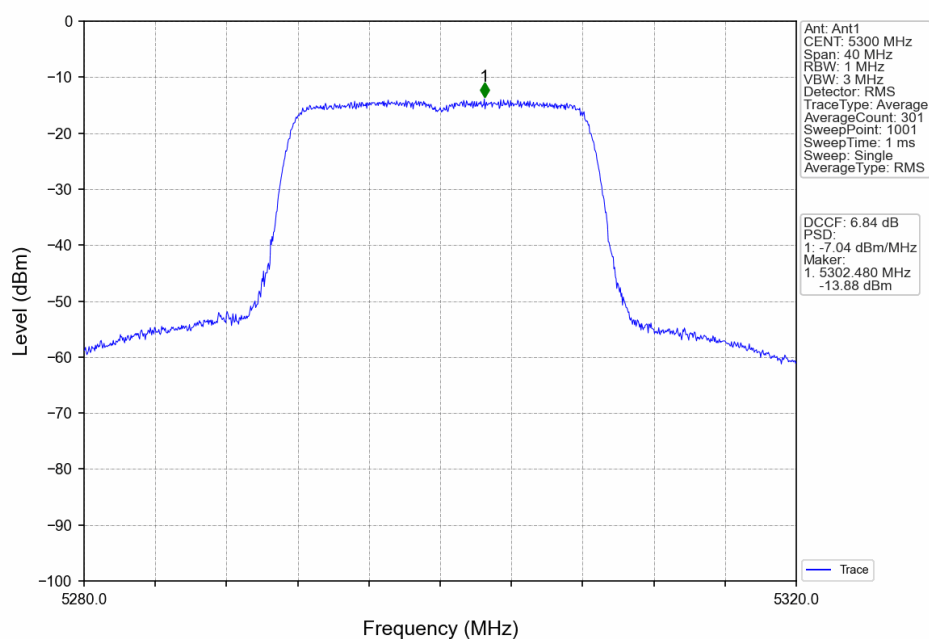
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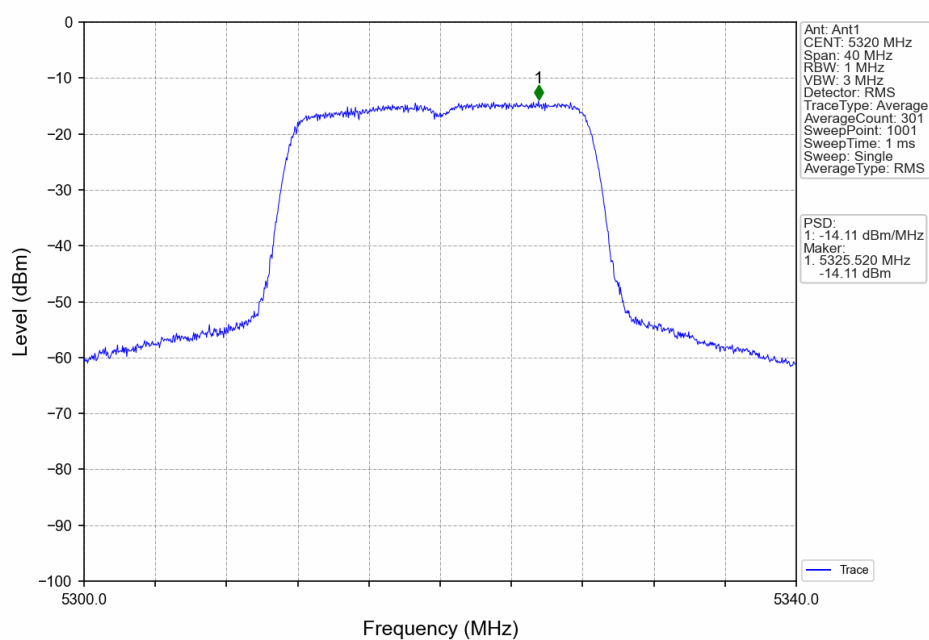
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802.11a\_MCH\_5300MHz\_Ant1\_NTNV

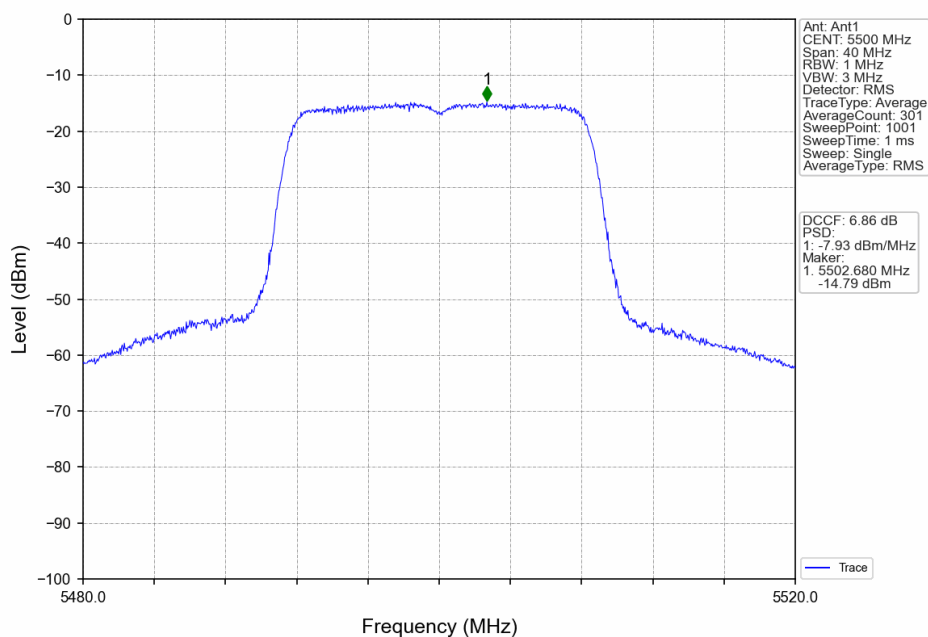


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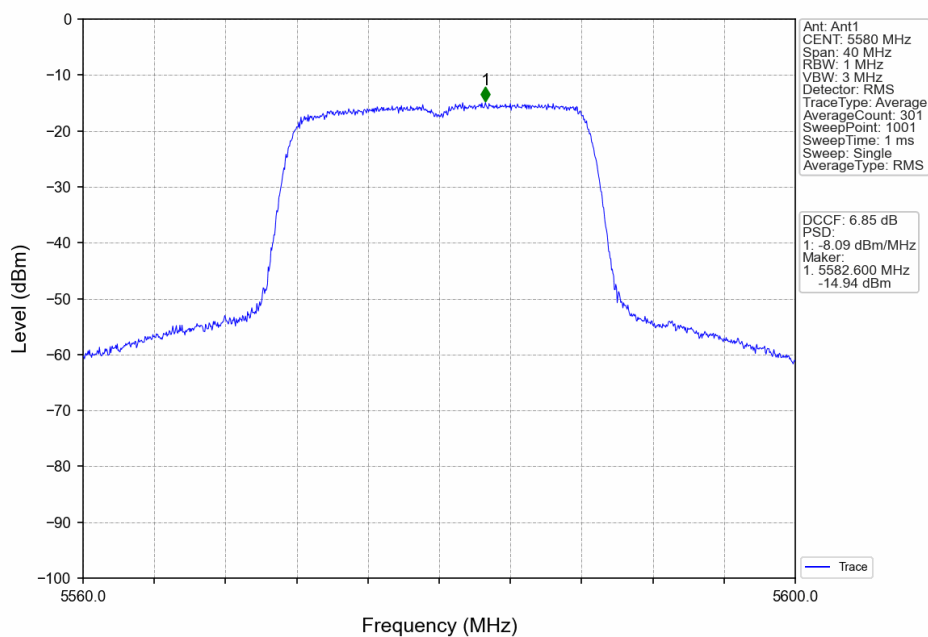




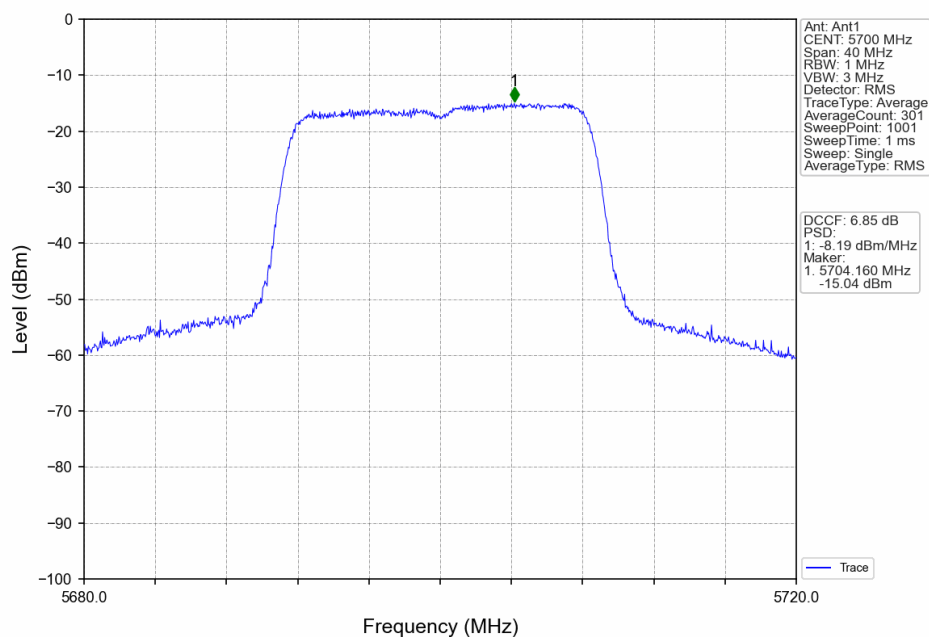
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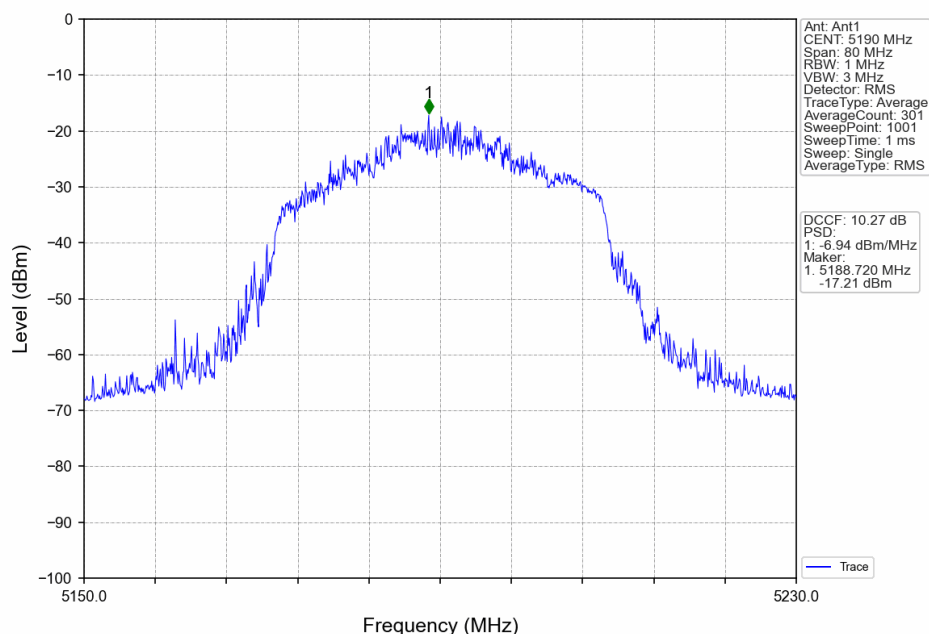
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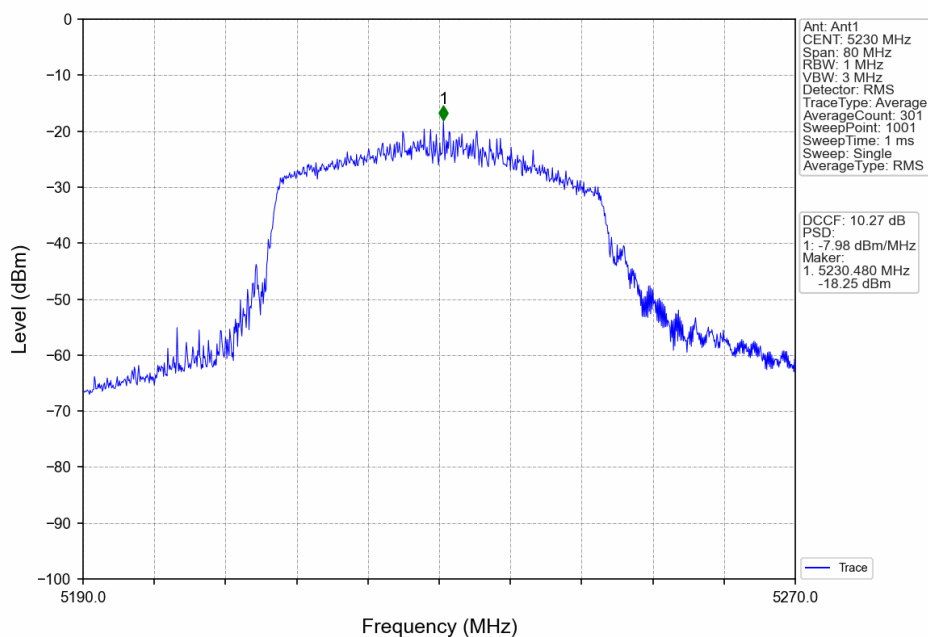
802.11a\_HCH\_5700MHz\_Ant1\_NTNV



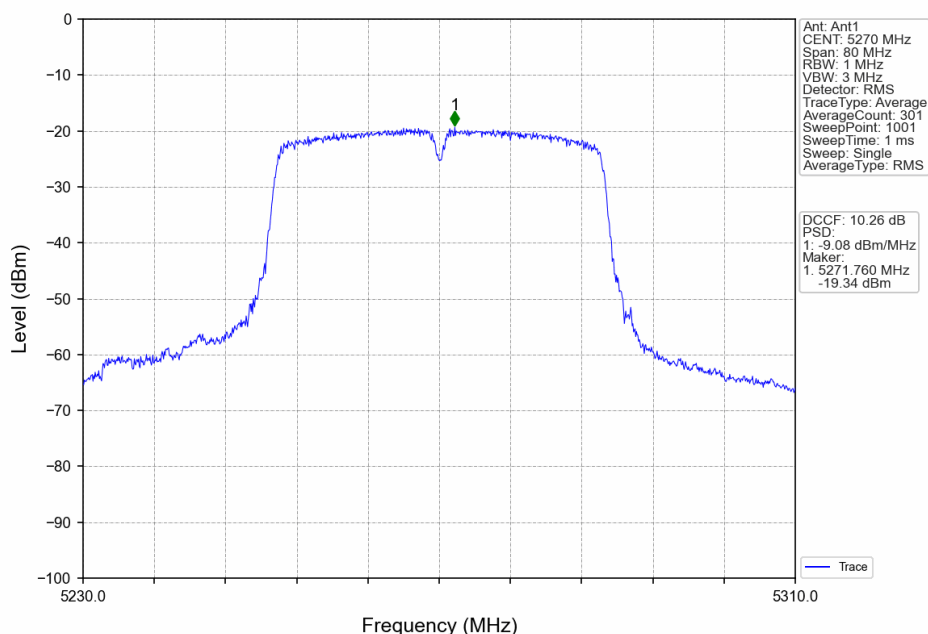
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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



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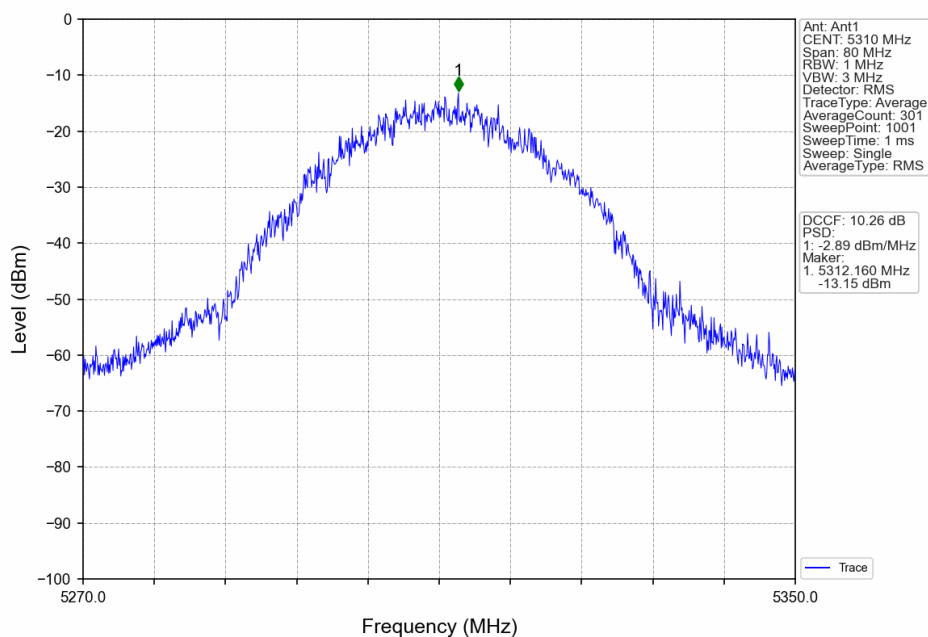
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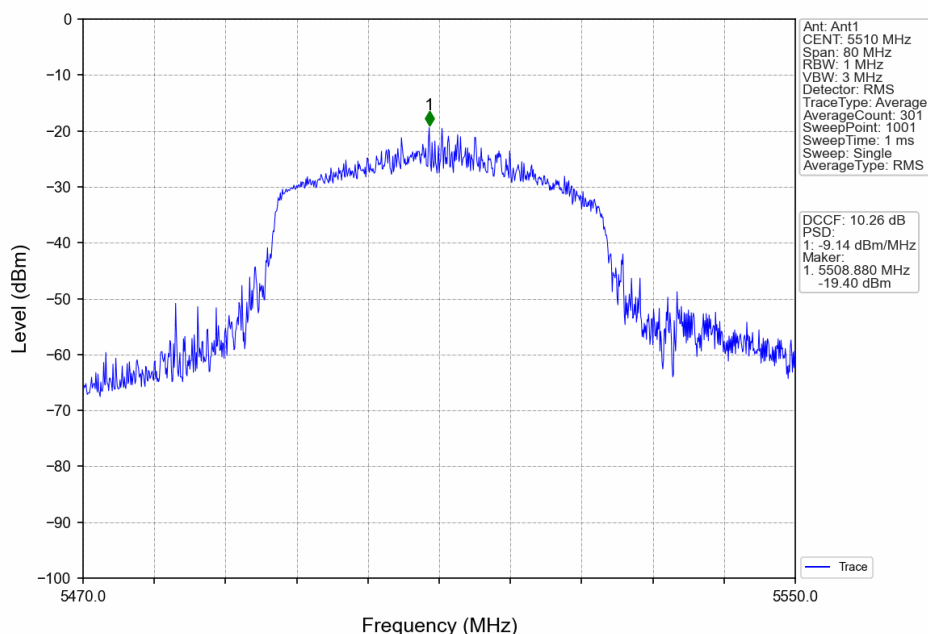
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802.11n(HT40)\_HCH\_5310MHz\_Ant1\_NTNV

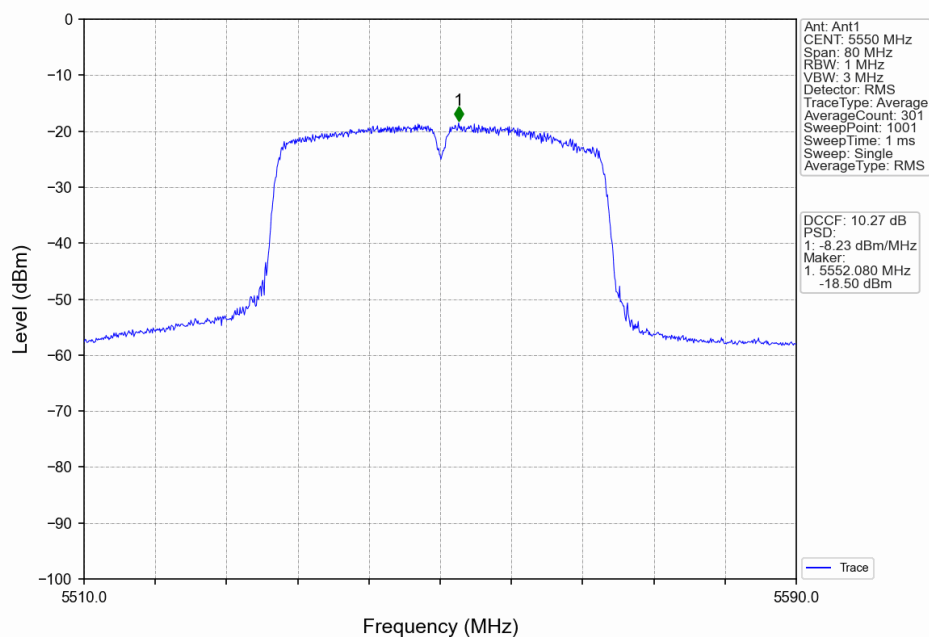


802.11n(HT40)\_LCH\_5510MHz\_Ant1\_NTNV

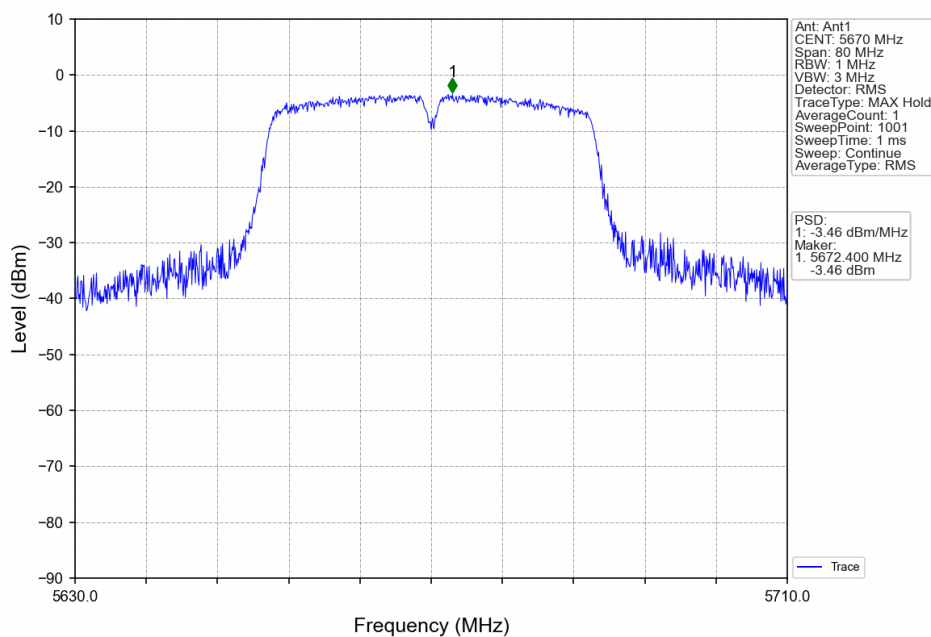




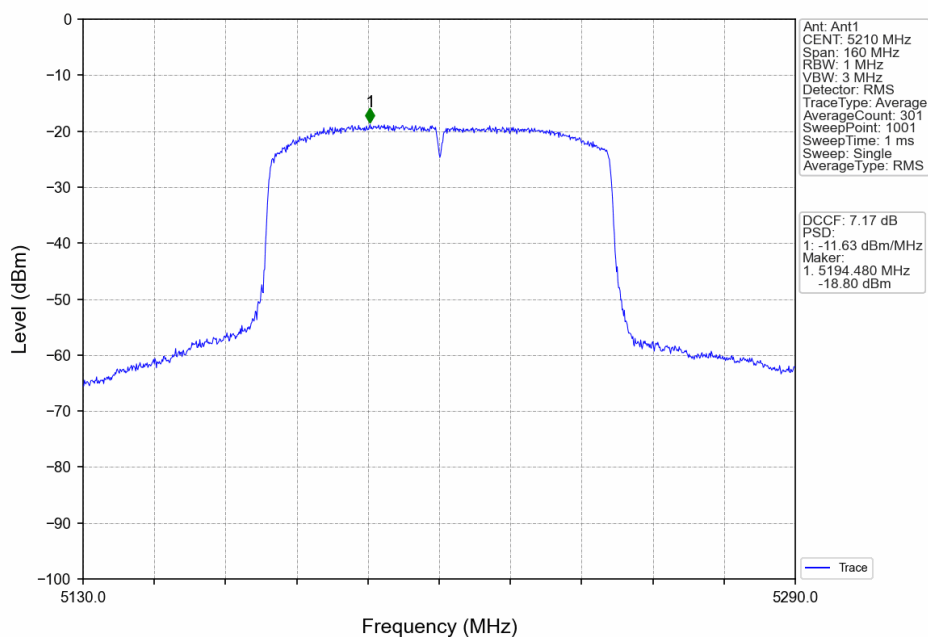
802.11n(HT40)\_MCH\_5550MHz\_Ant1\_NTNV



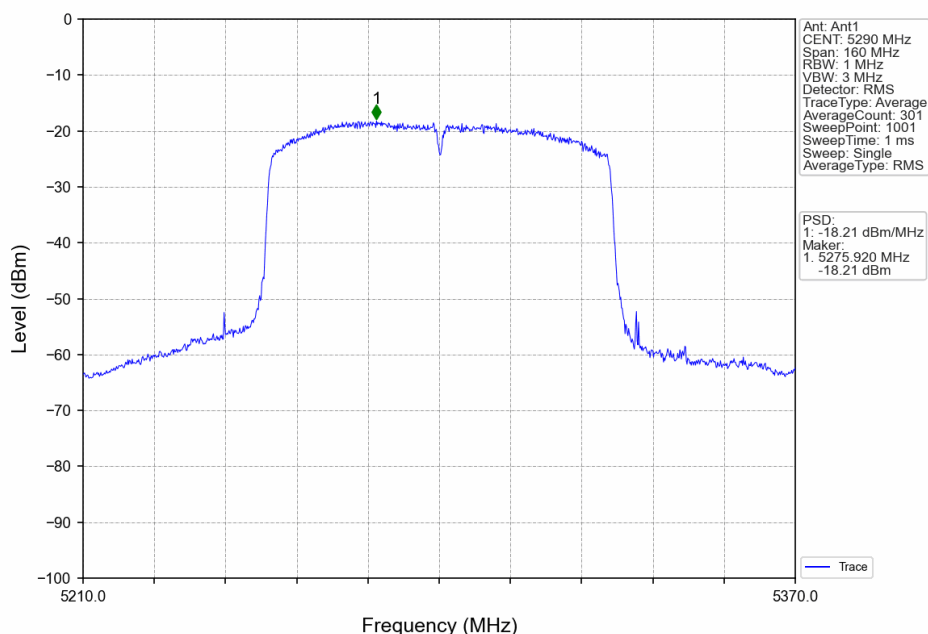
802.11n(HT40)\_HCH\_5670MHz\_Ant1\_NTNV



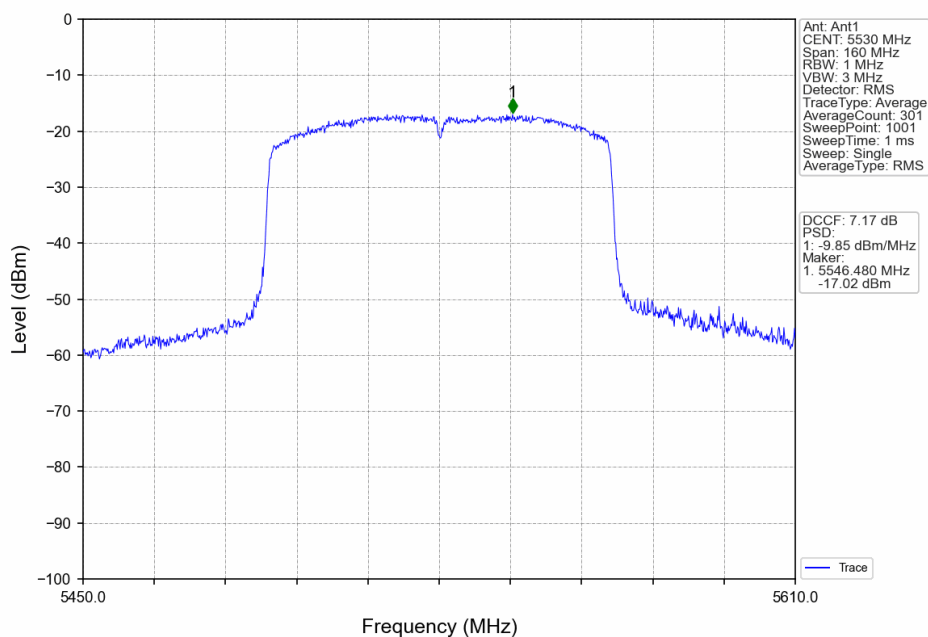
### 802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



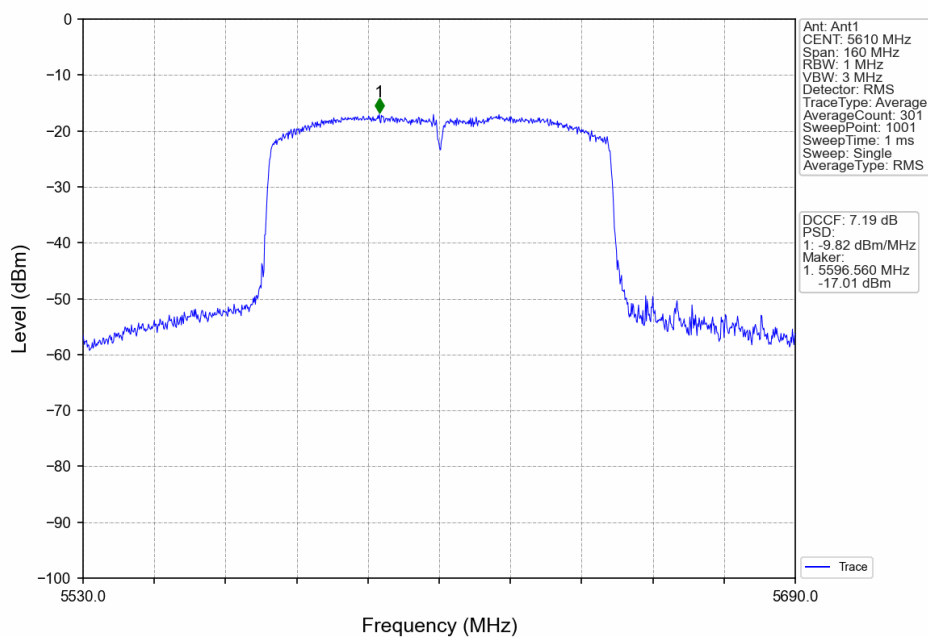
### 802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



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



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



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### 4.2 PSD-Band3

#### 4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-9.37	<=30	Pass
		5785	-9.03	<=30	Pass
		5825	-3.27	<=30	Pass
802.11n (HT40)	SISO	5755	-0.64	<=30	Pass
		5795	-7.08	<=30	Pass
802.11ac (VHT80)	SISO	5775	-8.79	<=30	Pass



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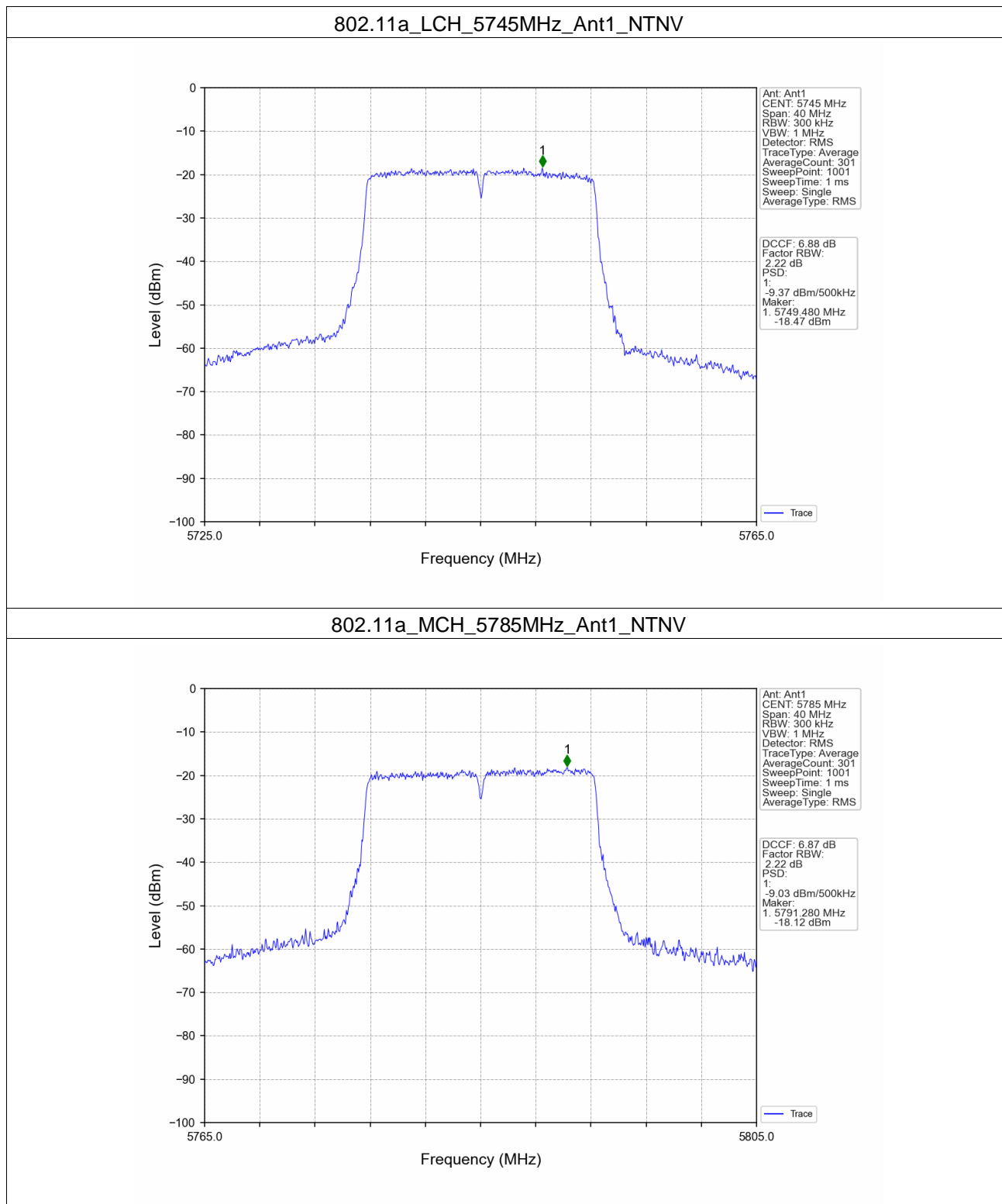
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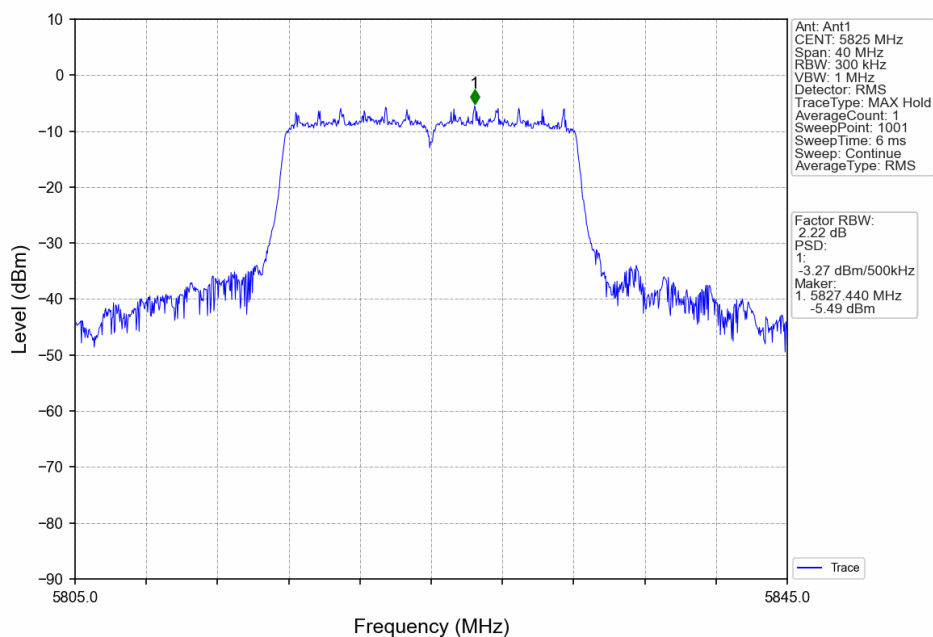
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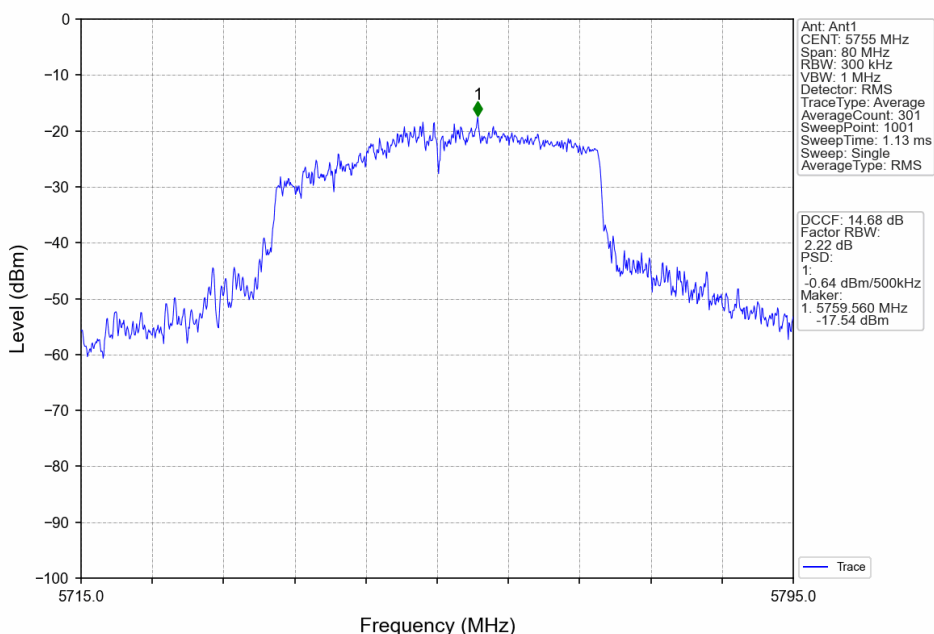
### 4.2.2 Test Graph



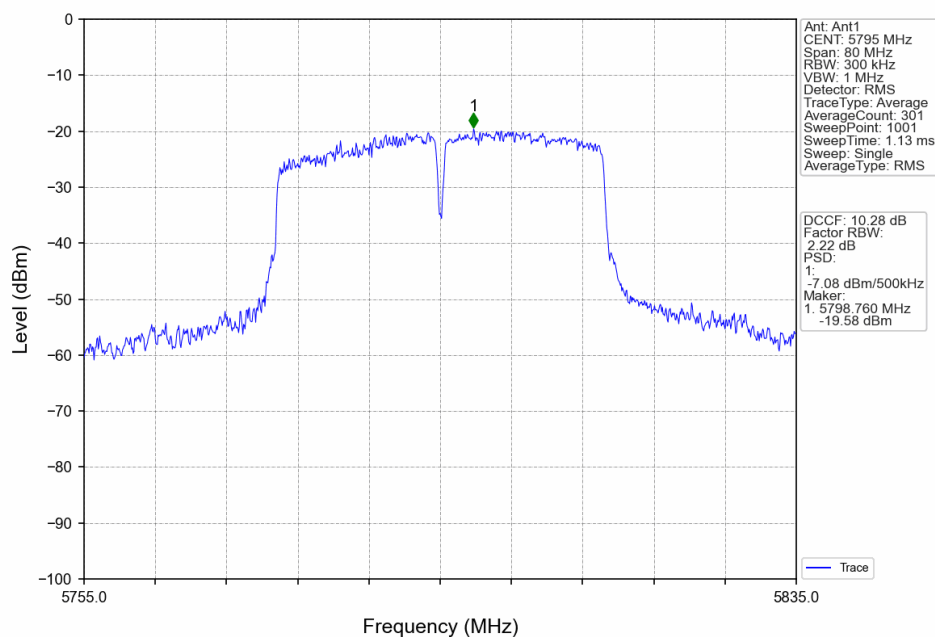
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



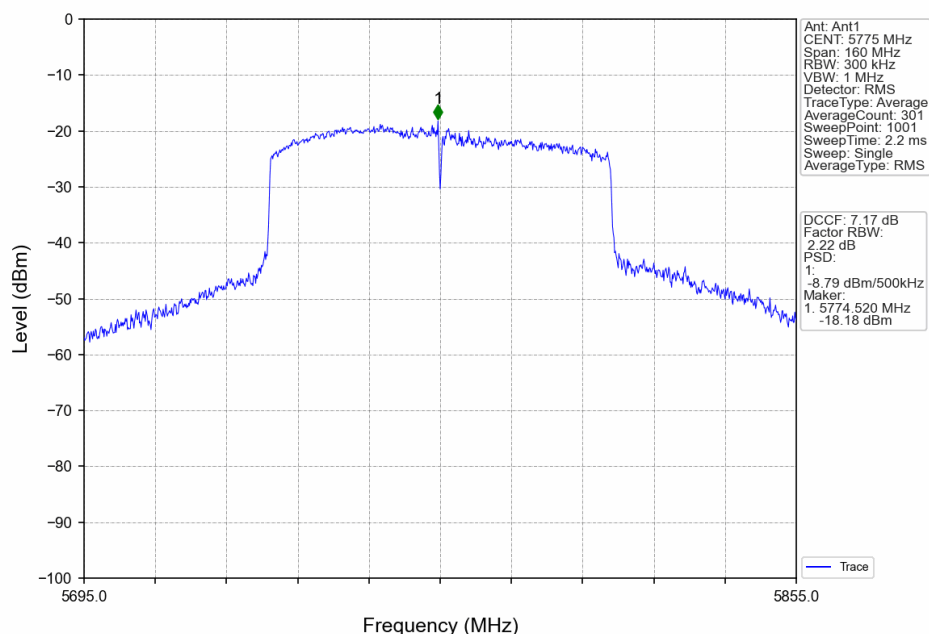
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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



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### 5. Frequency Stability

#### 5.1 Ant1

##### 5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.060	5150 to 5250	Pass
				120	5180.060	5150 to 5250	Pass
				138	5180.060	5150 to 5250	Pass
			-30	120	5180.040	5150 to 5250	Pass
			-20	120	5180.040	5150 to 5250	Pass
			-10	120	5180.020	5150 to 5250	Pass
			0	120	5180.080	5150 to 5250	Pass
			10	120	5180.060	5150 to 5250	Pass
			30	120	5180.020	5150 to 5250	Pass
			40	120	5180.060	5150 to 5250	Pass
			50	120	5180.020	5150 to 5250	Pass
		5200	20	102	5200.060	5150 to 5250	Pass
				120	5200.060	5150 to 5250	Pass
				138	5200.080	5150 to 5250	Pass
			-30	120	5200.040	5150 to 5250	Pass
			-20	120	5200.000	5150 to 5250	Pass
			-10	120	5200.020	5150 to 5250	Pass
			0	120	5200.100	5150 to 5250	Pass
			10	120	5200.040	5150 to 5250	Pass
			30	120	5200.060	5150 to 5250	Pass
			40	120	5200.020	5150 to 5250	Pass
			50	120	5200.040	5150 to 5250	Pass
		5240	20	102	5240.020	5150 to 5250	Pass
				120	5240.060	5150 to 5250	Pass
				138	5240.040	5150 to 5250	Pass
			-30	120	5240.020	5150 to 5250	Pass
			-20	120	5240.040	5150 to 5250	Pass
			-10	120	5240.020	5150 to 5250	Pass
			0	120	5240.080	5150 to 5250	Pass
			10	120	5240.100	5150 to 5250	Pass



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			30	120	5240.080	5150 to 5250	Pass
			40	120	5240.000	5150 to 5250	Pass
			50	120	5240.080	5150 to 5250	Pass
		5260	20	102	5260.080	5250 to 5350	Pass
				120	5260.080	5250 to 5350	Pass
				138	5260.040	5250 to 5350	Pass
			-30	120	5260.060	5250 to 5350	Pass
			-20	120	5260.060	5250 to 5350	Pass
			-10	120	5260.060	5250 to 5350	Pass
			0	120	5260.040	5250 to 5350	Pass
			10	120	5260.100	5250 to 5350	Pass
			30	120	5260.120	5250 to 5350	Pass
			40	120	5260.100	5250 to 5350	Pass
			50	120	5260.100	5250 to 5350	Pass
		5300	20	102	5300.040	5250 to 5350	Pass
				120	5300.060	5250 to 5350	Pass
				138	5300.020	5250 to 5350	Pass
			-30	120	5300.020	5250 to 5350	Pass
			-20	120	5300.000	5250 to 5350	Pass
			-10	120	5300.000	5250 to 5350	Pass
			0	120	5300.020	5250 to 5350	Pass
			10	120	5300.060	5250 to 5350	Pass
			30	120	5300.020	5250 to 5350	Pass
			40	120	5300.020	5250 to 5350	Pass
		5320	20	102	5320.000	5250 to 5350	Pass
				120	5320.020	5250 to 5350	Pass
				138	5320.020	5250 to 5350	Pass
			-30	120	5320.060	5250 to 5350	Pass
			-20	120	5320.040	5250 to 5350	Pass
			-10	120	5320.040	5250 to 5350	Pass
			0	120	5320.040	5250 to 5350	Pass
			10	120	5320.020	5250 to 5350	Pass
			30	120	5320.040	5250 to 5350	Pass
			40	120	5320.060	5250 to 5350	Pass
		5500	20	102	5500.080	5470 to 5725	Pass
				120	5500.080	5470 to 5725	Pass
				138	5500.000	5470 to 5725	Pass



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EMC-TRF-01 Rev 1.1

Report No.: GZCR240100011403

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			-30	120	5499.980	5470 to 5725	Pass
			-20	120	5500.040	5470 to 5725	Pass
			-10	120	5500.040	5470 to 5725	Pass
			0	120	5500.000	5470 to 5725	Pass
			10	120	5500.040	5470 to 5725	Pass
			30	120	5500.020	5470 to 5725	Pass
			40	120	5500.040	5470 to 5725	Pass
			50	120	5500.000	5470 to 5725	Pass
		5580	20	102	5580.020	5470 to 5725	Pass
				120	5580.080	5470 to 5725	Pass
				138	5580.080	5470 to 5725	Pass
			-30	120	5580.020	5470 to 5725	Pass
			-20	120	5580.080	5470 to 5725	Pass
			-10	120	5580.000	5470 to 5725	Pass
			0	120	5580.040	5470 to 5725	Pass
			10	120	5580.040	5470 to 5725	Pass
			30	120	5580.060	5470 to 5725	Pass
			40	120	5580.020	5470 to 5725	Pass
			50	120	5580.040	5470 to 5725	Pass
		5700	20	102	5700.060	5470 to 5725	Pass
				120	5700.020	5470 to 5725	Pass
				138	5700.020	5470 to 5725	Pass
			-30	120	5700.020	5470 to 5725	Pass
			-20	120	5700.000	5470 to 5725	Pass
			-10	120	5700.060	5470 to 5725	Pass
			0	120	5700.080	5470 to 5725	Pass
			10	120	5700.040	5470 to 5725	Pass
			30	120	5700.020	5470 to 5725	Pass
			40	120	5700.040	5470 to 5725	Pass
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		5745	20	102	5745.080	5725 to 5850	Pass
				120	5745.020	5725 to 5850	Pass
				138	5745.020	5725 to 5850	Pass
			-30	120	5745.000	5725 to 5850	Pass
			-20	120	5745.020	5725 to 5850	Pass
			-10	120	5745.060	5725 to 5850	Pass
			0	120	5745.040	5725 to 5850	Pass
			10	120	5745.020	5725 to 5850	Pass



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			30	120	5745.020	5725 to 5850	Pass
			40	120	5745.040	5725 to 5850	Pass
			50	120	5745.020	5725 to 5850	Pass
		5785	20	102	5785.020	5725 to 5850	Pass
				120	5785.020	5725 to 5850	Pass
				138	5785.000	5725 to 5850	Pass
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			-20	120	5785.080	5725 to 5850	Pass
			-10	120	5785.000	5725 to 5850	Pass
			0	120	5785.040	5725 to 5850	Pass
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			30	120	5785.020	5725 to 5850	Pass
			40	120	5785.060	5725 to 5850	Pass
			50	120	5785.060	5725 to 5850	Pass
		5825	20	102	5824.980	5725 to 5850	Pass
				120	5825.020	5725 to 5850	Pass
				138	5825.020	5725 to 5850	Pass
			-30	120	5825.020	5725 to 5850	Pass
			-20	120	5825.040	5725 to 5850	Pass
			-10	120	5825.040	5725 to 5850	Pass
			0	120	5825.000	5725 to 5850	Pass
			10	120	5824.960	5725 to 5850	Pass
			30	120	5825.040	5725 to 5850	Pass
			40	120	5825.000	5725 to 5850	Pass
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802.11n (HT40)	SISO	5190	20	102	5190.080	5150 to 5250	Pass
				120	5190.040	5150 to 5250	Pass
				138	5190.040	5150 to 5250	Pass
			-30	120	5190.040	5150 to 5250	Pass
			-20	120	5190.040	5150 to 5250	Pass
			-10	120	5190.040	5150 to 5250	Pass
			0	120	5190.120	5150 to 5250	Pass
			10	120	5190.080	5150 to 5250	Pass
			30	120	5190.080	5150 to 5250	Pass
			40	120	5190.040	5150 to 5250	Pass
			50	120	5190.120	5150 to 5250	Pass
		5230	20	102	5230.040	5150 to 5250	Pass
				120	5230.080	5150 to 5250	Pass
				138	5230.040	5150 to 5250	Pass



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			-30	120	5230.000	5150 to 5250	Pass
			-20	120	5230.000	5150 to 5250	Pass
			-10	120	5230.040	5150 to 5250	Pass
			0	120	5230.120	5150 to 5250	Pass
			10	120	5230.040	5150 to 5250	Pass
			30	120	5230.000	5150 to 5250	Pass
			40	120	5230.000	5150 to 5250	Pass
			50	120	5230.040	5150 to 5250	Pass
		5270	20	102	5270.080	5250 to 5350	Pass
				120	5270.120	5250 to 5350	Pass
				138	5270.080	5250 to 5350	Pass
			-30	120	5270.200	5250 to 5350	Pass
			-20	120	5270.080	5250 to 5350	Pass
			-10	120	5270.120	5250 to 5350	Pass
			0	120	5270.120	5250 to 5350	Pass
			10	120	5270.040	5250 to 5350	Pass
			30	120	5270.080	5250 to 5350	Pass
			40	120	5270.120	5250 to 5350	Pass
			50	120	5270.120	5250 to 5350	Pass
		5310	20	102	5310.000	5250 to 5350	Pass
				120	5310.000	5250 to 5350	Pass
				138	5310.080	5250 to 5350	Pass
			-30	120	5310.040	5250 to 5350	Pass
			-20	120	5310.040	5250 to 5350	Pass
			-10	120	5310.160	5250 to 5350	Pass
			0	120	5310.080	5250 to 5350	Pass
			10	120	5310.160	5250 to 5350	Pass
			30	120	5310.040	5250 to 5350	Pass
			40	120	5310.080	5250 to 5350	Pass
			50	120	5310.040	5250 to 5350	Pass
		5510	20	102	5510.000	5470 to 5725	Pass
				120	5510.080	5470 to 5725	Pass
				138	5510.040	5470 to 5725	Pass
			-30	120	5510.080	5470 to 5725	Pass
			-20	120	5510.080	5470 to 5725	Pass
			-10	120	5510.000	5470 to 5725	Pass
			0	120	5510.120	5470 to 5725	Pass
			10	120	5510.000	5470 to 5725	Pass



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

EMC-TRF-01 Rev 1.1

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			30	120	5510.120	5470 to 5725	Pass
			40	120	5510.000	5470 to 5725	Pass
			50	120	5510.080	5470 to 5725	Pass
		5550	20	102	5550.040	5470 to 5725	Pass
				120	5550.040	5470 to 5725	Pass
				138	5550.080	5470 to 5725	Pass
			-30	120	5550.120	5470 to 5725	Pass
			-20	120	5550.080	5470 to 5725	Pass
			-10	120	5550.040	5470 to 5725	Pass
			0	120	5550.040	5470 to 5725	Pass
			10	120	5550.080	5470 to 5725	Pass
			30	120	5550.080	5470 to 5725	Pass
			40	120	5550.080	5470 to 5725	Pass
			50	120	5550.080	5470 to 5725	Pass
		5670	20	102	5670.000	5470 to 5725	Pass
				120	5670.080	5470 to 5725	Pass
				138	5670.040	5470 to 5725	Pass
			-30	120	5670.080	5470 to 5725	Pass
			-20	120	5670.040	5470 to 5725	Pass
			-10	120	5670.080	5470 to 5725	Pass
			0	120	5670.040	5470 to 5725	Pass
			10	120	5670.000	5470 to 5725	Pass
			30	120	5670.040	5470 to 5725	Pass
			40	120	5670.040	5470 to 5725	Pass
			50	120	5670.040	5470 to 5725	Pass
		5755	20	102	5755.160	5725 to 5850	Pass
				120	5755.080	5725 to 5850	Pass
				138	5755.080	5725 to 5850	Pass
			-30	120	5755.120	5725 to 5850	Pass
			-20	120	5755.080	5725 to 5850	Pass
			-10	120	5755.040	5725 to 5850	Pass
			0	120	5755.080	5725 to 5850	Pass
			10	120	5755.040	5725 to 5850	Pass
			30	120	5755.080	5725 to 5850	Pass
			40	120	5755.080	5725 to 5850	Pass
			50	120	5755.040	5725 to 5850	Pass
		5795	20	102	5795.080	5725 to 5850	Pass
				120	5795.040	5725 to 5850	Pass
				138	5795.080	5725 to 5850	Pass



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			-30	120	5795.120	5725 to 5850	Pass
			-20	120	5795.120	5725 to 5850	Pass
			-10	120	5795.080	5725 to 5850	Pass
			0	120	5795.080	5725 to 5850	Pass
			10	120	5795.040	5725 to 5850	Pass
			30	120	5795.080	5725 to 5850	Pass
			40	120	5795.080	5725 to 5850	Pass
			50	120	5795.080	5725 to 5850	Pass
802.11ac (VHT80)	SISO	5210	20	102	5210.075	5150 to 5250	Pass
				120	5210.150	5150 to 5250	Pass
				138	5210.075	5150 to 5250	Pass
			-30	120	5210.075	5150 to 5250	Pass
			-20	120	5210.075	5150 to 5250	Pass
			-10	120	5210.075	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.150	5150 to 5250	Pass
			30	120	5210.075	5150 to 5250	Pass
			40	120	5210.075	5150 to 5250	Pass
			50	120	5210.150	5150 to 5250	Pass
		5290	20	102	5290.150	5250 to 5350	Pass
				120	5290.150	5250 to 5350	Pass
				138	5290.150	5250 to 5350	Pass
			-30	120	5290.150	5250 to 5350	Pass
			-20	120	5290.150	5250 to 5350	Pass
			-10	120	5290.075	5250 to 5350	Pass
			0	120	5290.150	5250 to 5350	Pass
			10	120	5290.225	5250 to 5350	Pass
			30	120	5290.150	5250 to 5350	Pass
			40	120	5290.150	5250 to 5350	Pass
			50	120	5290.150	5250 to 5350	Pass
		5530	20	102	5530.075	5470 to 5725	Pass
				120	5530.075	5470 to 5725	Pass
				138	5530.150	5470 to 5725	Pass
			-30	120	5530.075	5470 to 5725	Pass
			-20	120	5530.075	5470 to 5725	Pass
			-10	120	5530.075	5470 to 5725	Pass
			0	120	5530.075	5470 to 5725	Pass
			10	120	5530.075	5470 to 5725	Pass



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			30	120	5530.075	5470 to 5725	Pass
			40	120	5530.075	5470 to 5725	Pass
			50	120	5530.000	5470 to 5725	Pass
		5610	20	102	5610.075	5470 to 5725	Pass
				120	5610.150	5470 to 5725	Pass
				138	5610.075	5470 to 5725	Pass
			-30	120	5610.075	5470 to 5725	Pass
			-20	120	5610.000	5470 to 5725	Pass
			-10	120	5610.075	5470 to 5725	Pass
			0	120	5610.075	5470 to 5725	Pass
			10	120	5610.075	5470 to 5725	Pass
			30	120	5610.075	5470 to 5725	Pass
			40	120	5610.075	5470 to 5725	Pass
			50	120	5610.150	5470 to 5725	Pass
		5775	20	102	5775.075	5725 to 5850	Pass
				120	5775.150	5725 to 5850	Pass
				138	5775.150	5725 to 5850	Pass
			-30	120	5775.150	5725 to 5850	Pass
			-20	120	5775.075	5725 to 5850	Pass
			-10	120	5775.150	5725 to 5850	Pass
			0	120	5775.150	5725 to 5850	Pass
			10	120	5775.150	5725 to 5850	Pass
			30	120	5775.150	5725 to 5850	Pass
			40	120	5775.075	5725 to 5850	Pass
			50	120	5775.150	5725 to 5850	Pass

- End of the Report -



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