

Appendix D for KSCR220400050304

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.067	2.100	98.43	0.07	0.04
		5200	2.066	2.101	98.33	0.07	0.03
		5240	2.066	2.100	98.38	0.07	0.03
		5745	1.047	1.080	96.94	0.13	0.07
		5785	1.046	1.080	96.85	0.14	0.03
		5825	1.046	1.080	96.85	0.14	0.03
802.11n (HT20)	SISO	5180	1.926	1.960	98.27	0.08	0.00
		5200	1.926	1.960	98.27	0.08	0.00
		5240	1.926	1.960	98.27	0.08	0.00
		5745	1.926	1.960	98.27	0.08	0.03
		5825	1.926	1.960	98.27	0.08	0.00
802.11n (HT40)	SISO	5190	0.950	0.984	96.54	0.15	0.03
		5230	0.949	0.984	96.44	0.16	0.00
		5755	0.950	0.984	96.54	0.15	0.03
		5795	0.949	0.984	96.44	0.16	0.03
802.11ac (VHT20)	SISO	5180	1.934	1.968	98.27	0.08	0.00
		5200	1.934	1.968	98.27	0.08	0.00
		5240	1.933	1.968	98.22	0.08	0.03
		5745	1.934	1.968	98.27	0.08	0.00
		5825	1.934	1.968	98.27	0.08	0.03
802.11ac (VHT40)	SISO	5190	0.953	0.988	96.46	0.16	0.03
		5230	0.954	0.988	96.56	0.15	0.03
		5755	0.953	0.988	96.46	0.16	0.03
		5795	0.953	0.988	96.46	0.16	0.03
802.11ac (VHT80)	SISO	5210	0.465	0.500	93.00	0.32	0.07
		5775	0.465	0.501	92.81	0.32	0.06



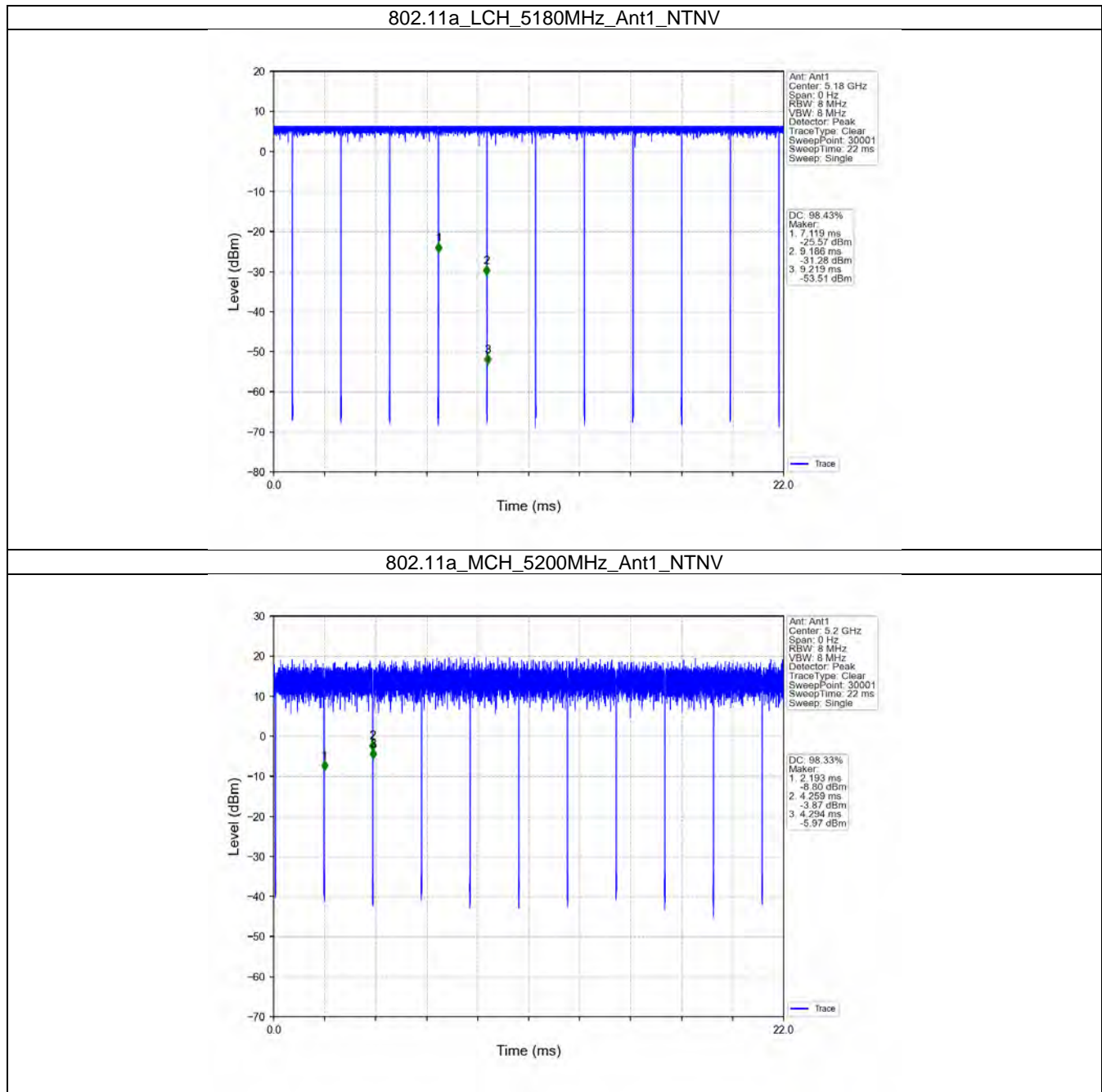
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1.1.2 Test Graph

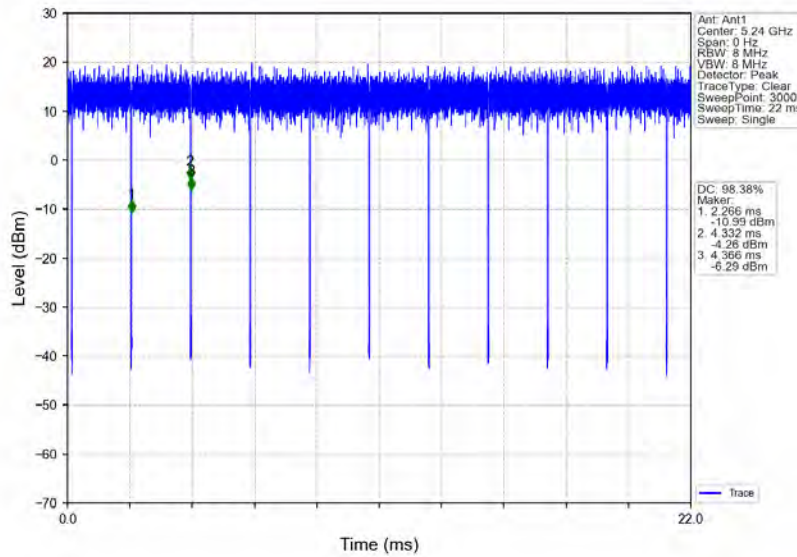


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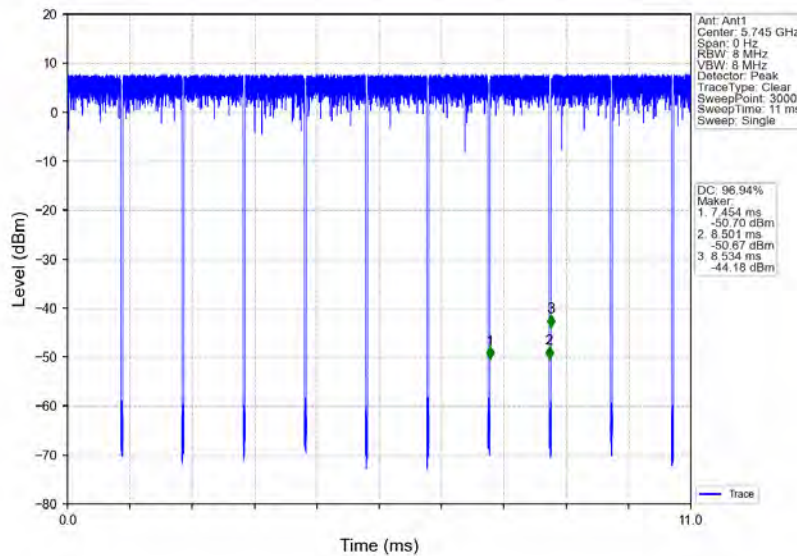
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5745MHz\_Ant1\_NTNV



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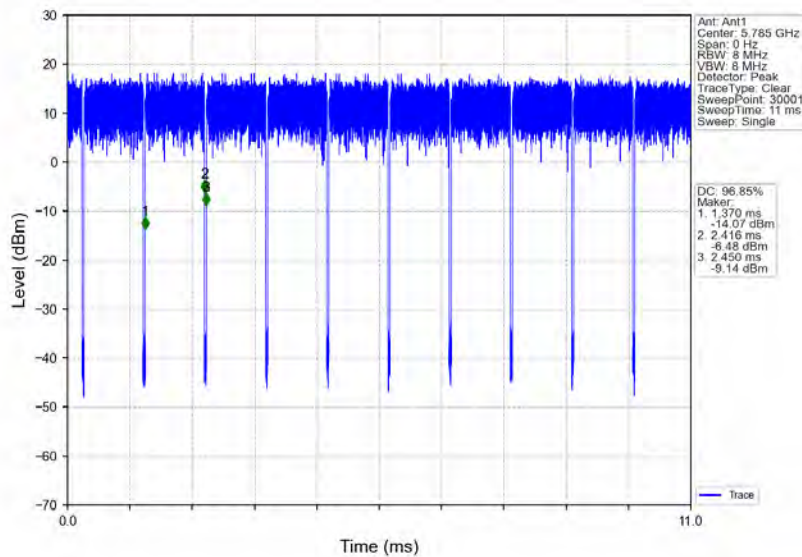
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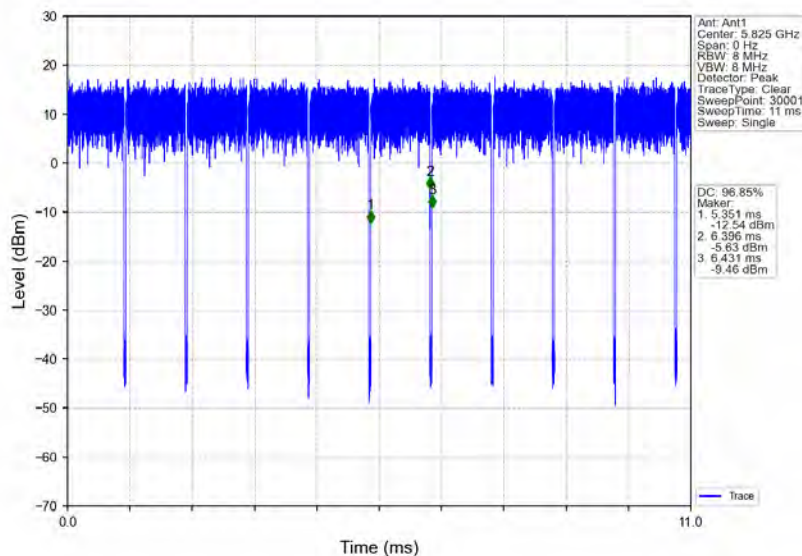
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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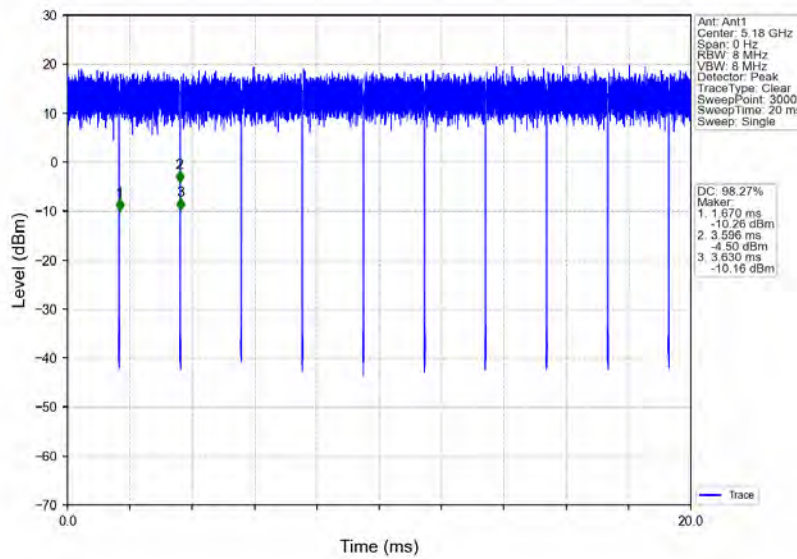
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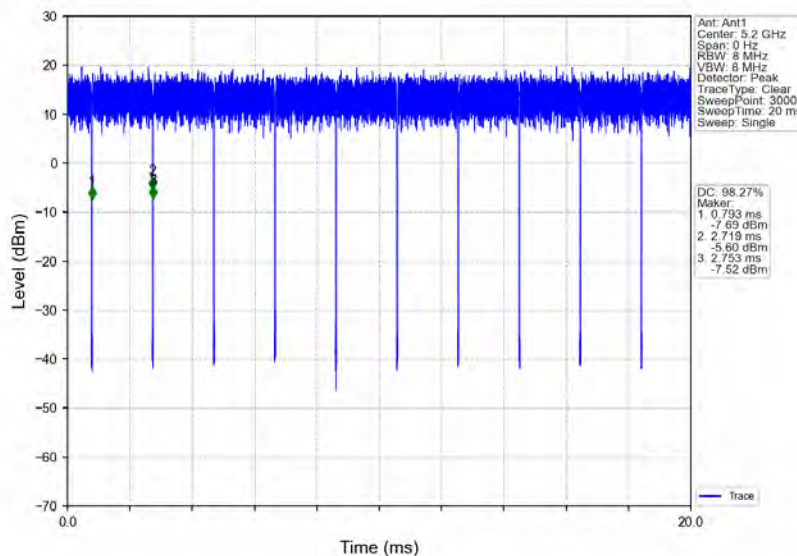
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



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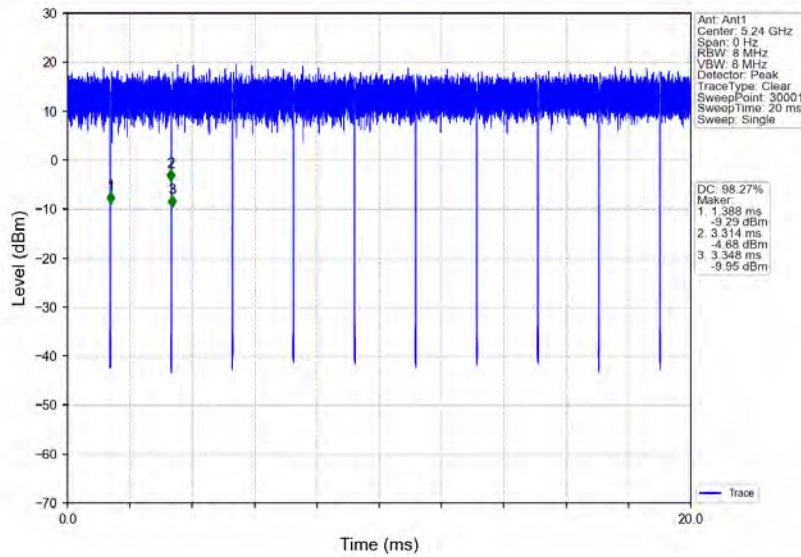
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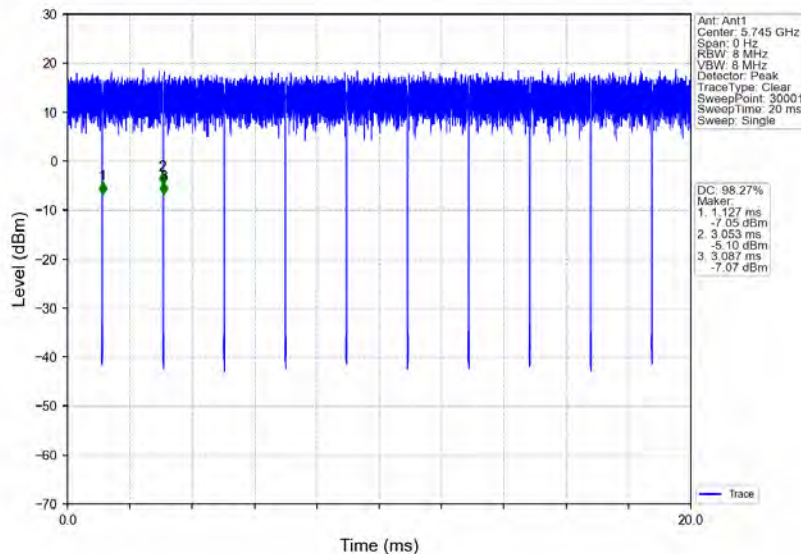
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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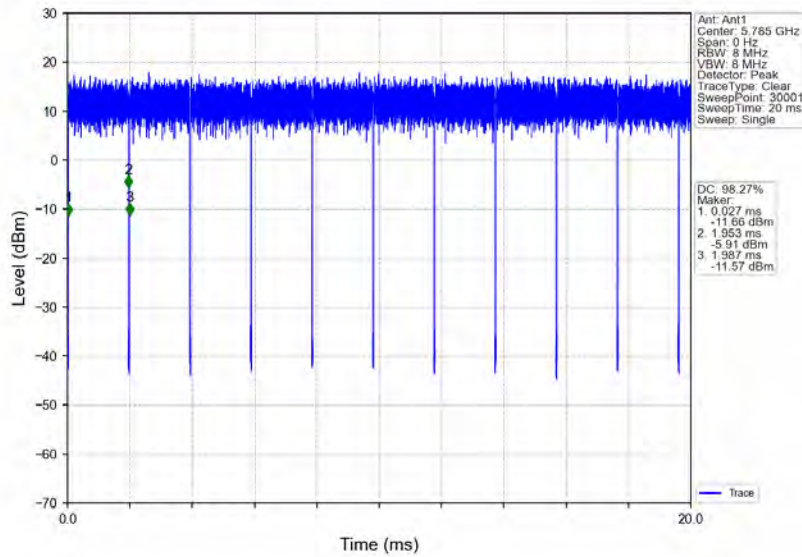
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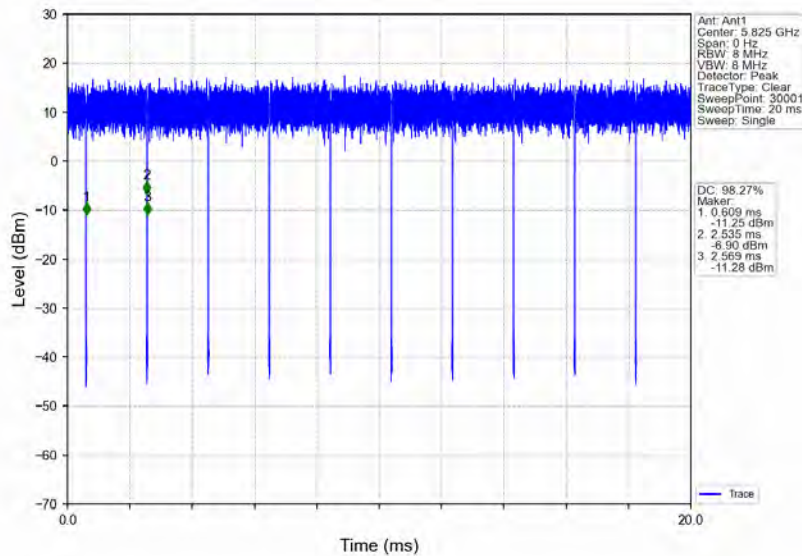
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



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

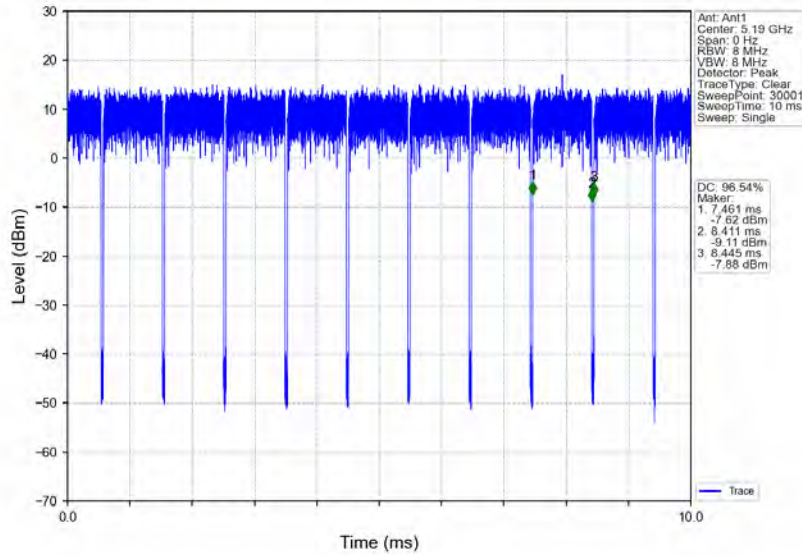


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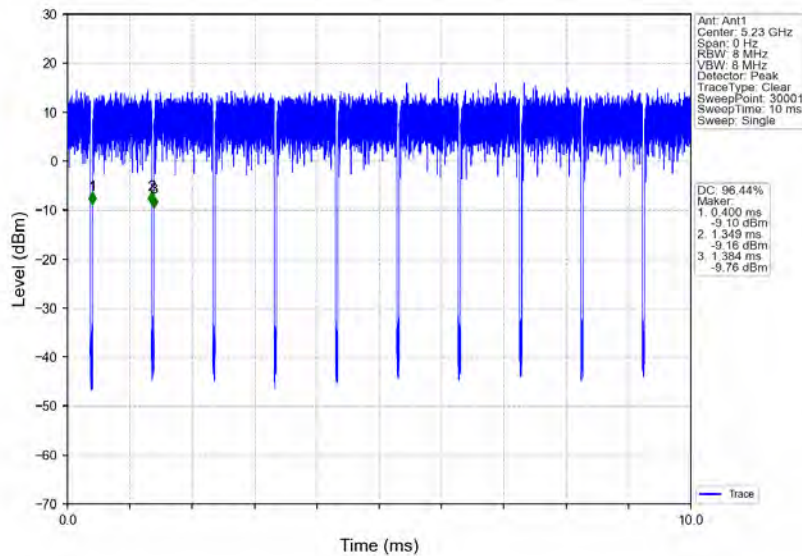
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

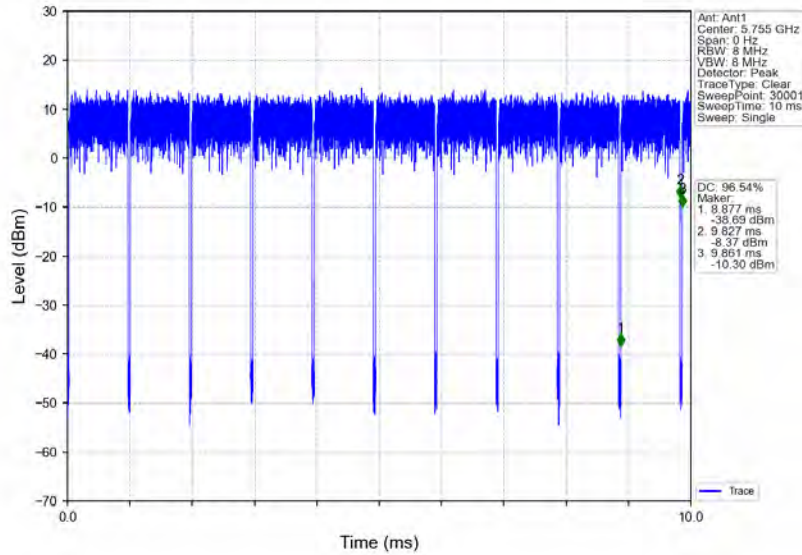


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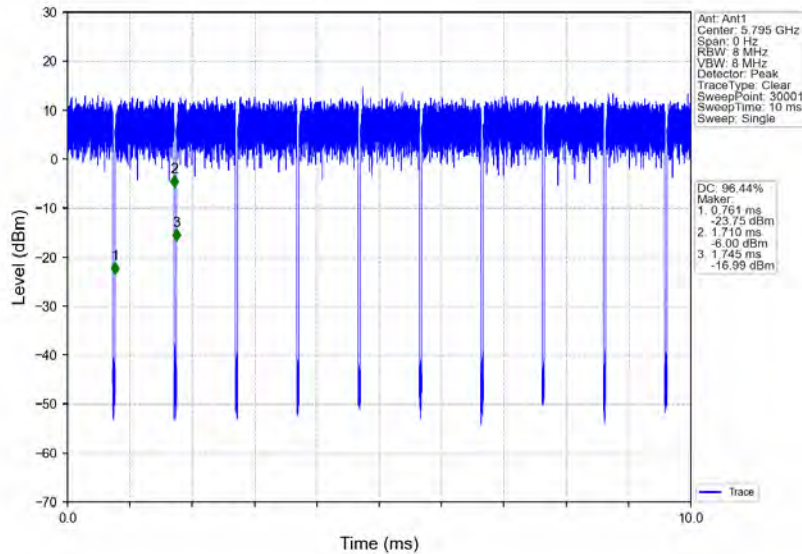
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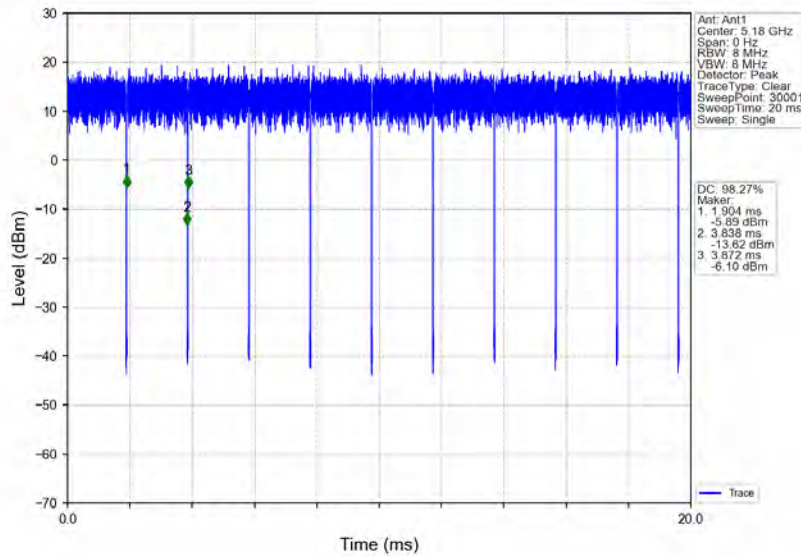
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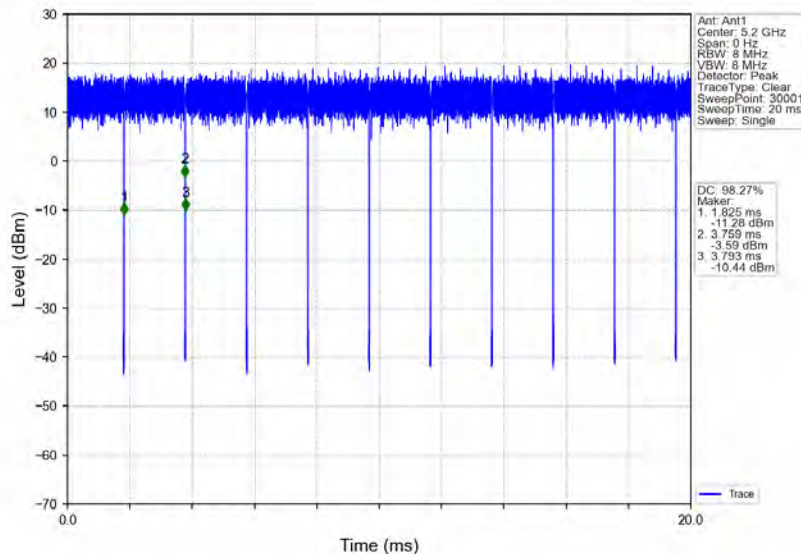
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



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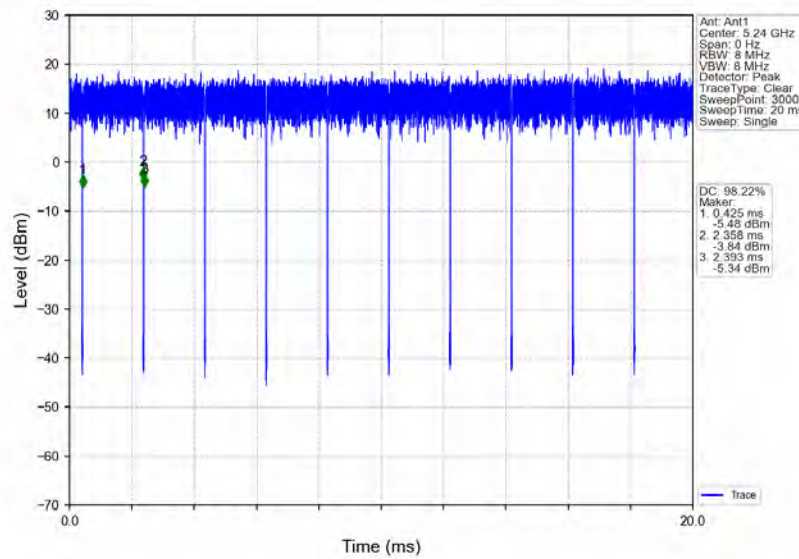
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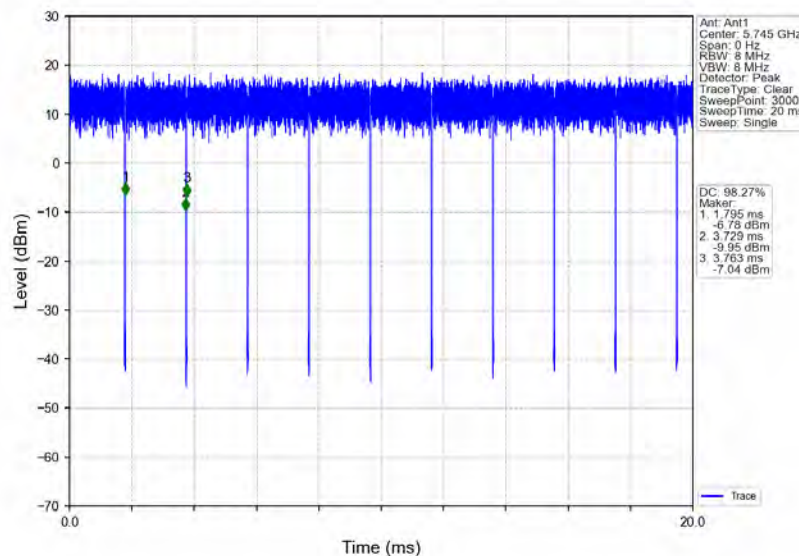
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



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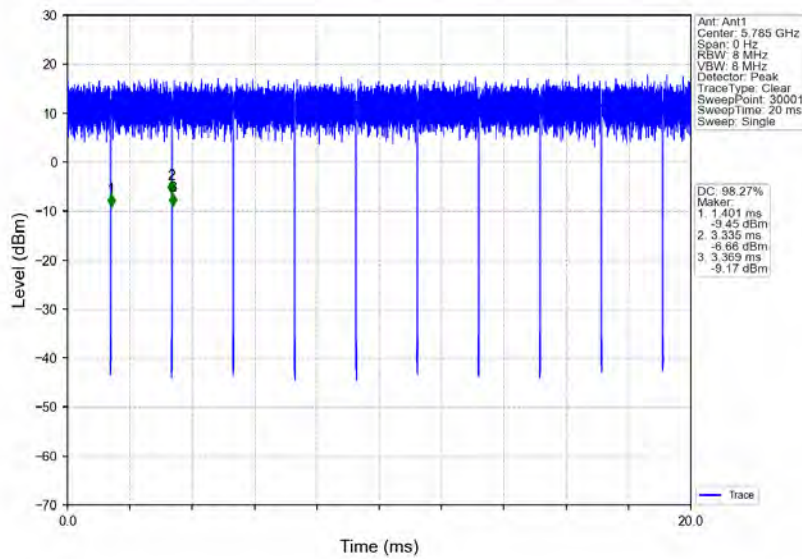
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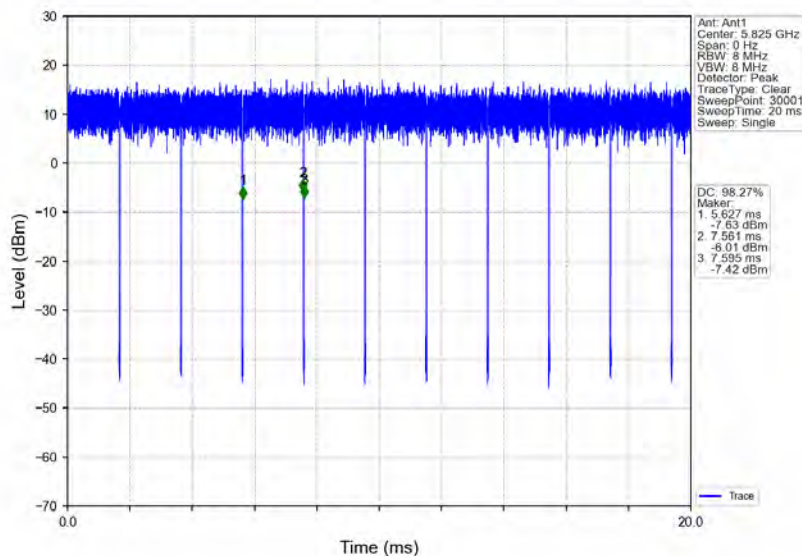
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



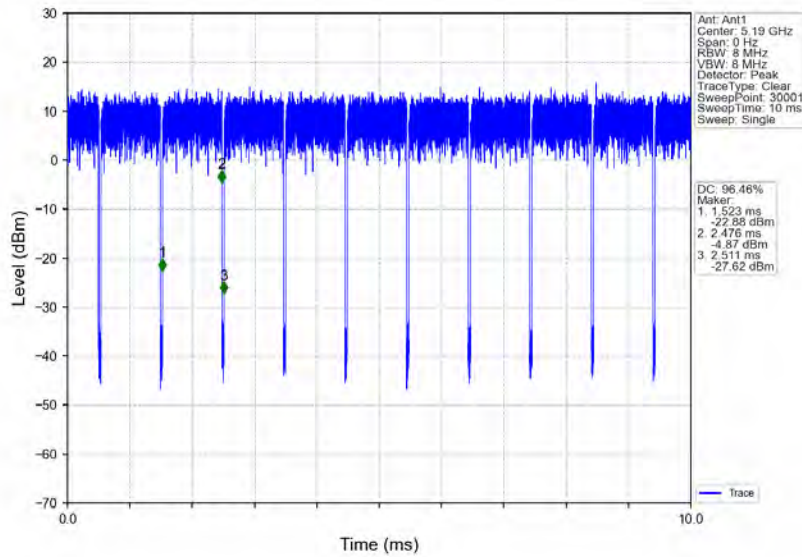
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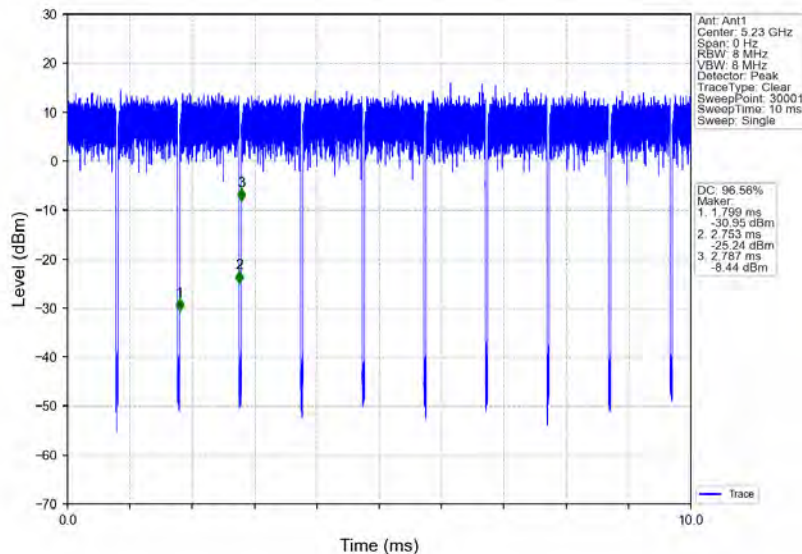
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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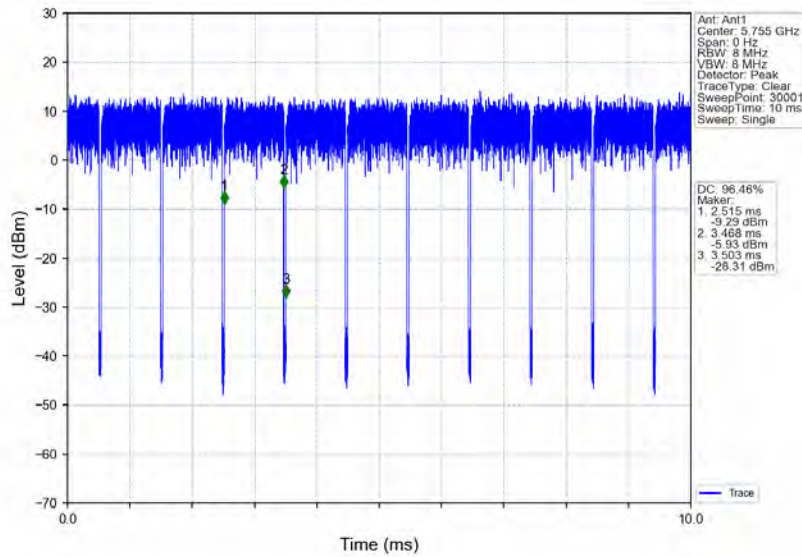
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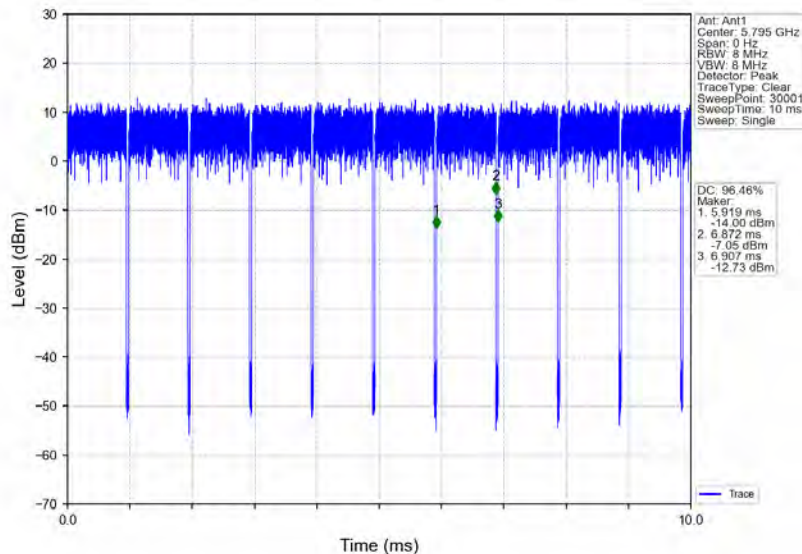
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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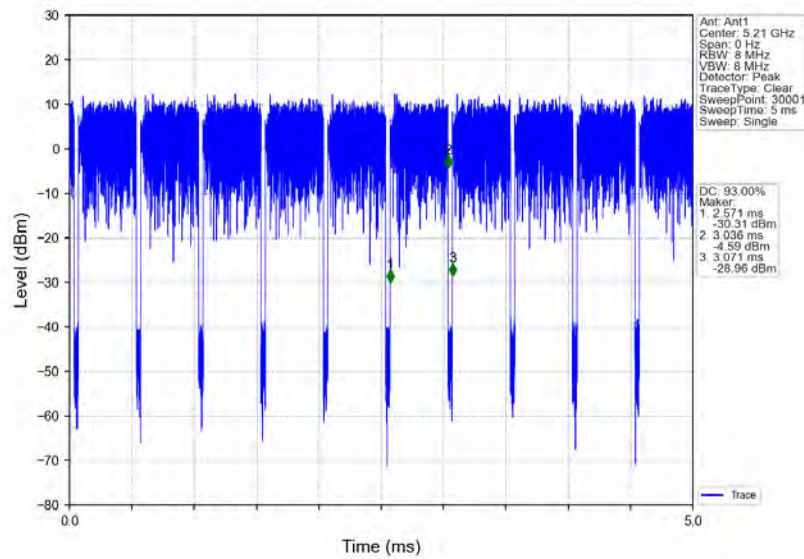
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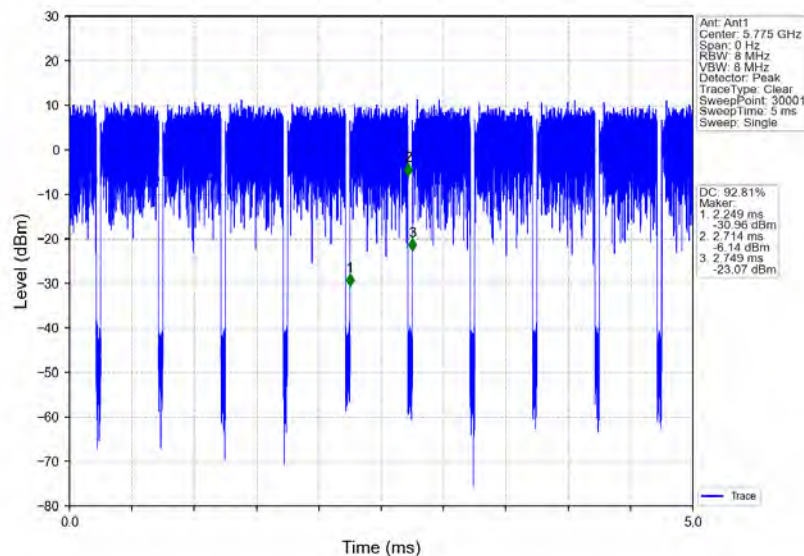
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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



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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	
802.11a	SISO	5180	1	17.556	Pass
		5200	1	17.622	Pass
		5240	1	17.596	Pass
		5745	1	17.517	Pass
		5785	1	17.438	Pass
		5825	1	17.489	Pass
802.11n (HT20)	SISO	5180	1	18.651	Pass
		5200	1	18.584	Pass
		5240	1	18.664	Pass
		5745	1	18.712	Pass
		5785	1	18.631	Pass
		5825	1	18.612	Pass
802.11n (HT40)	SISO	5190	1	37.301	Pass
		5230	1	37.164	Pass
		5755	1	37.369	Pass
		5795	1	37.389	Pass
802.11ac (VHT20)	SISO	5180	1	18.646	Pass
		5200	1	18.629	Pass
		5240	1	18.613	Pass
		5745	1	18.671	Pass
		5785	1	18.602	Pass
		5825	1	18.623	Pass
802.11ac (VHT40)	SISO	5190	1	37.316	Pass
		5230	1	37.128	Pass
		5755	1	37.392	Pass
		5795	1	37.212	Pass
802.11ac (VHT80)	SISO	5210	1	76.986	Pass
		5775	1	77.261	Pass



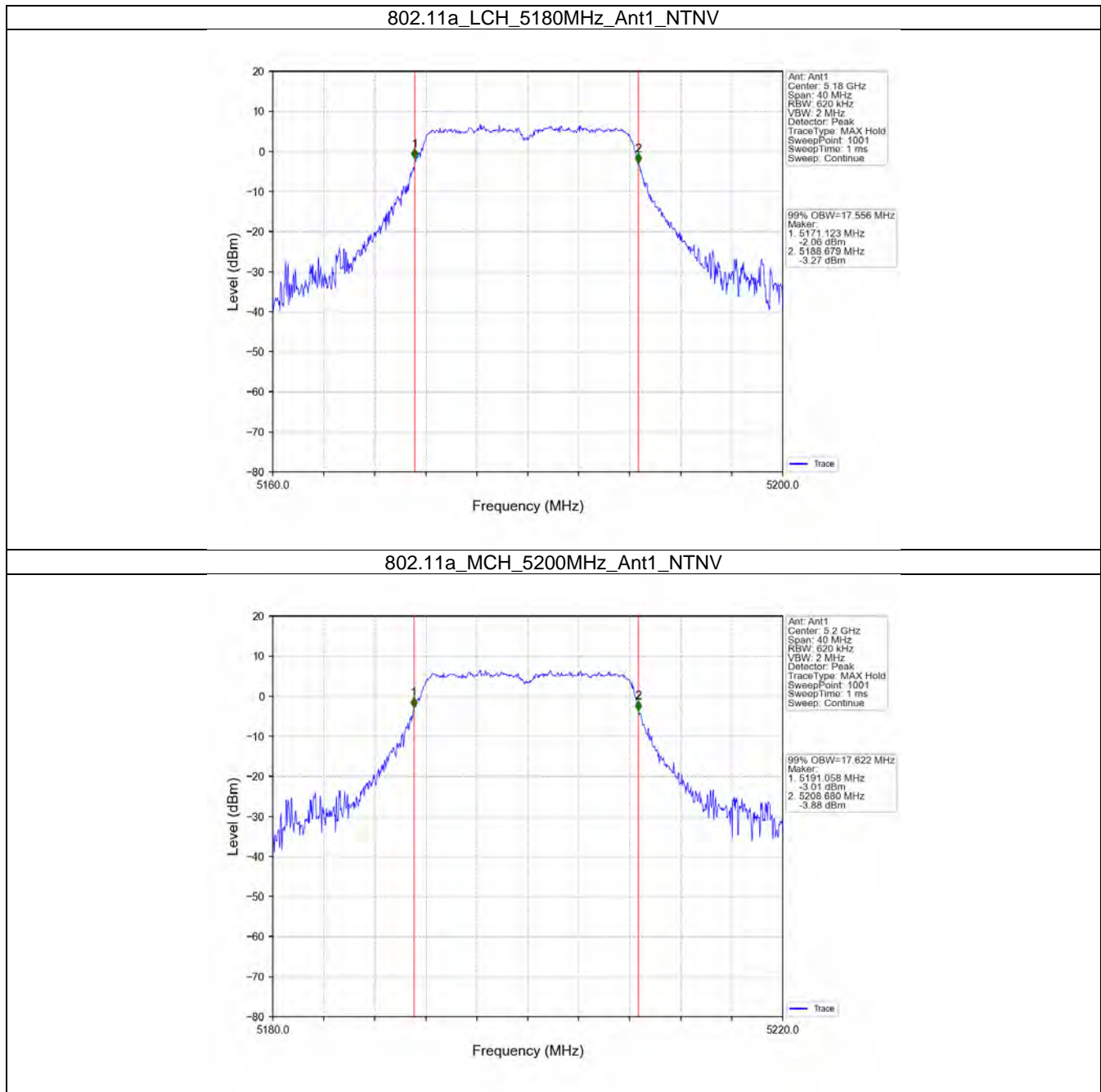
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2.1.2 Test Graph

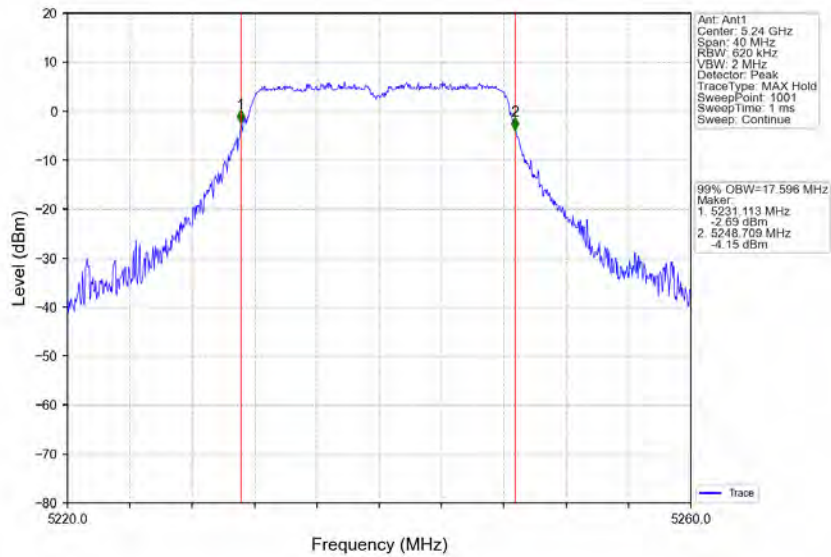


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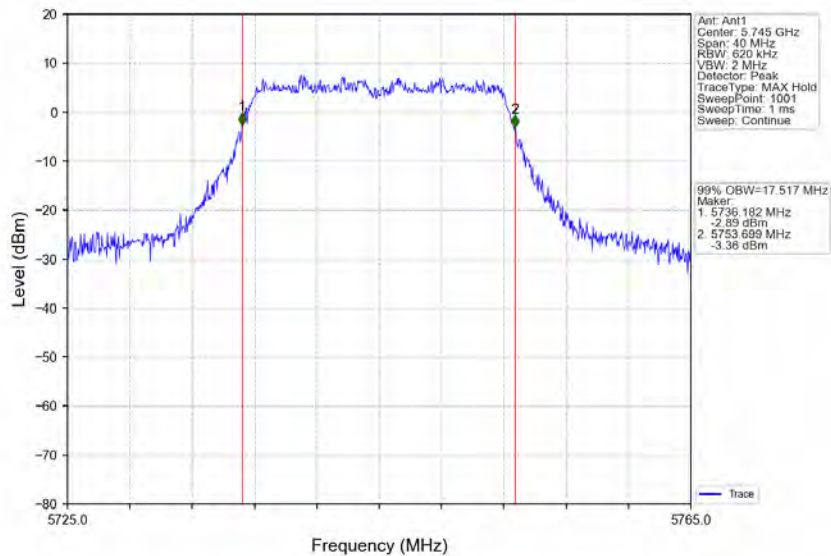
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5745MHz\_Ant1\_NTNV



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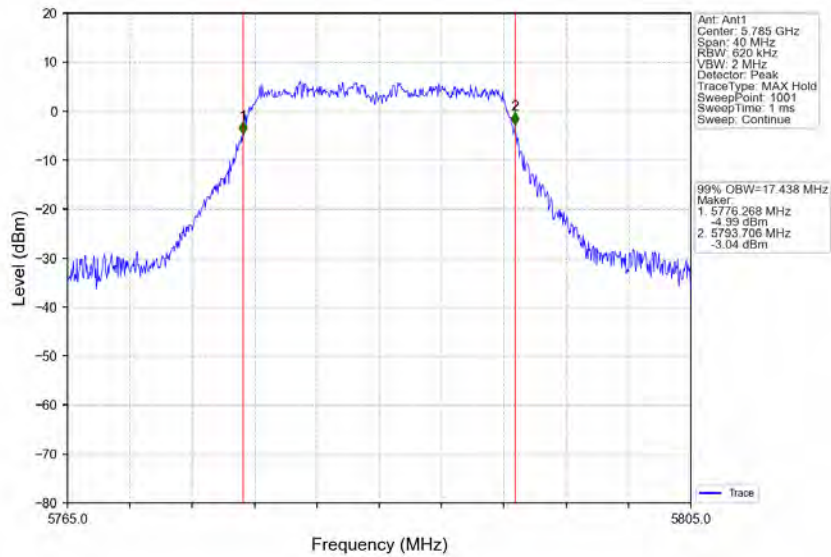
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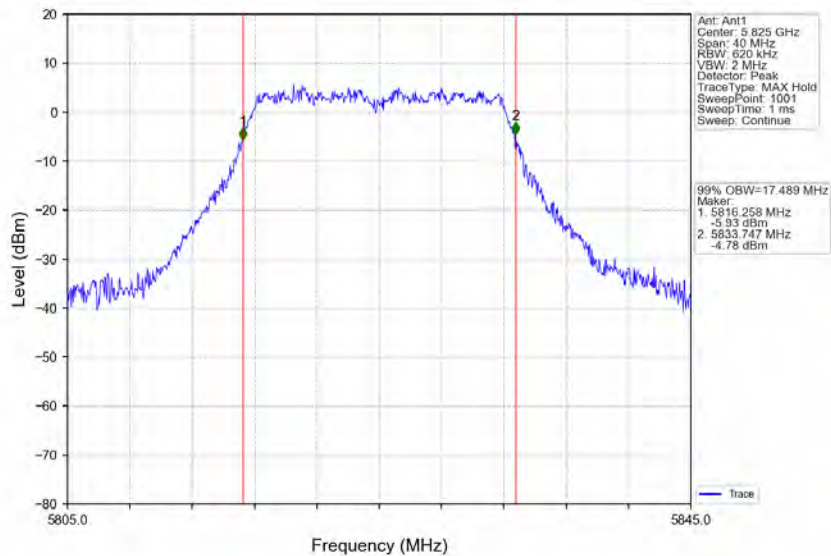
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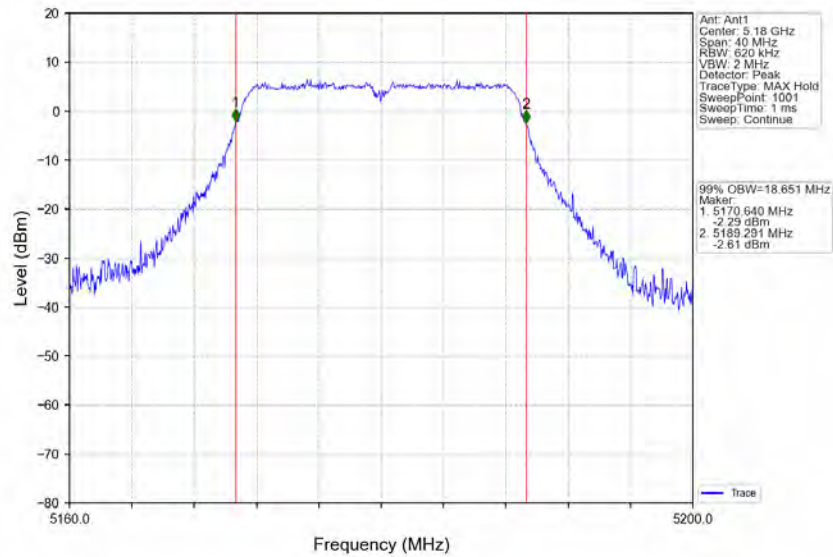
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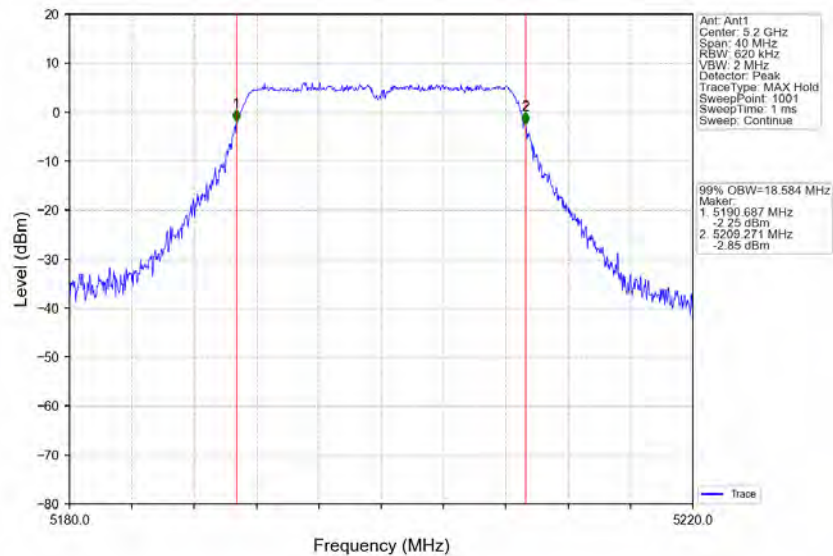
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



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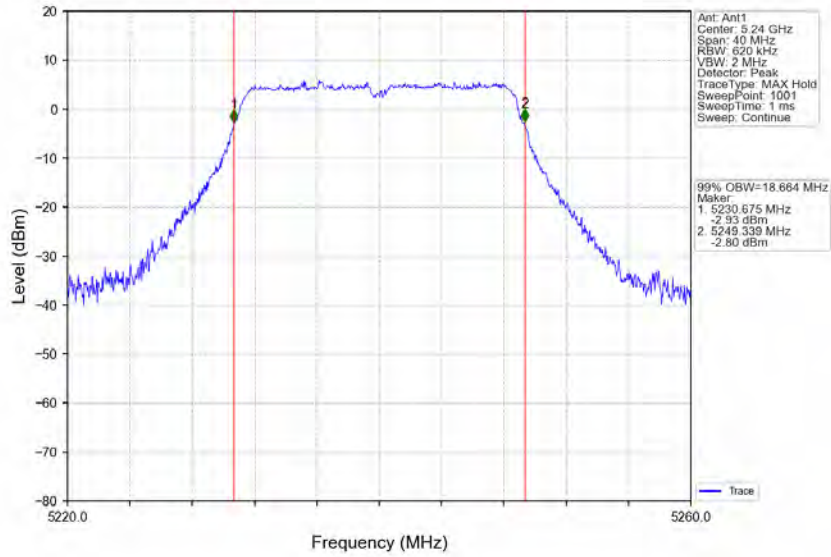
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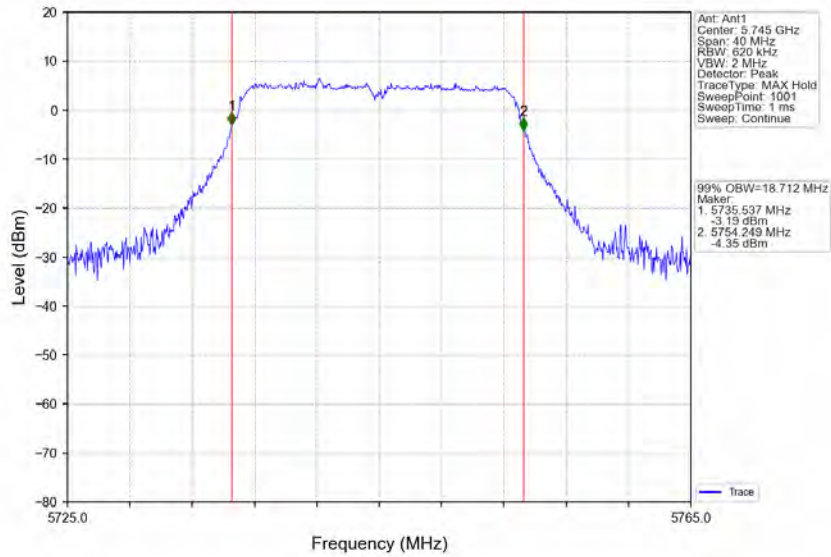
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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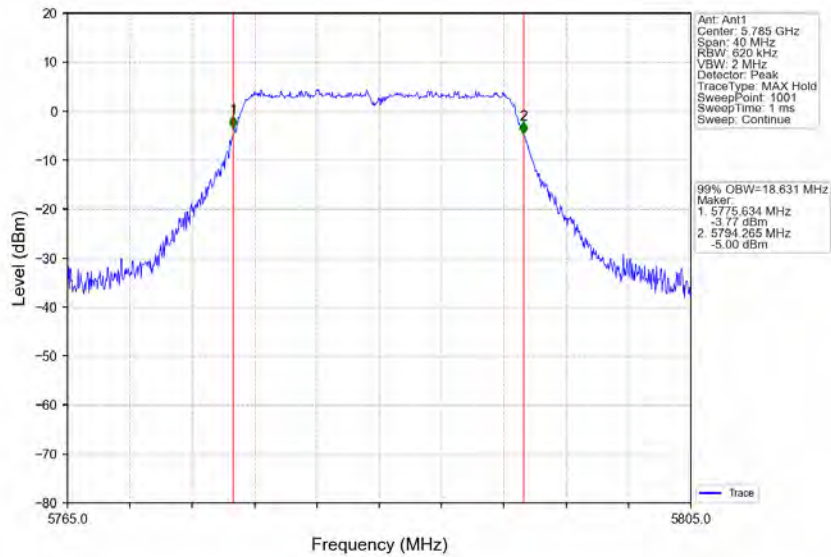
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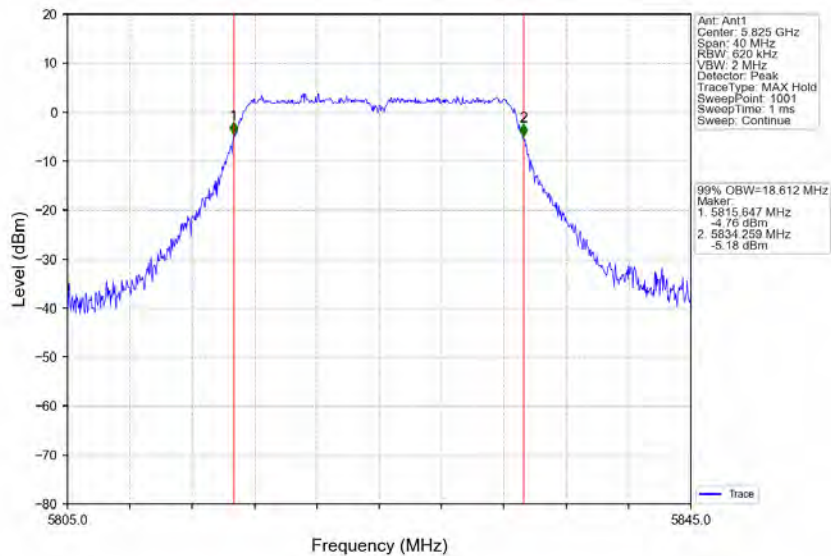
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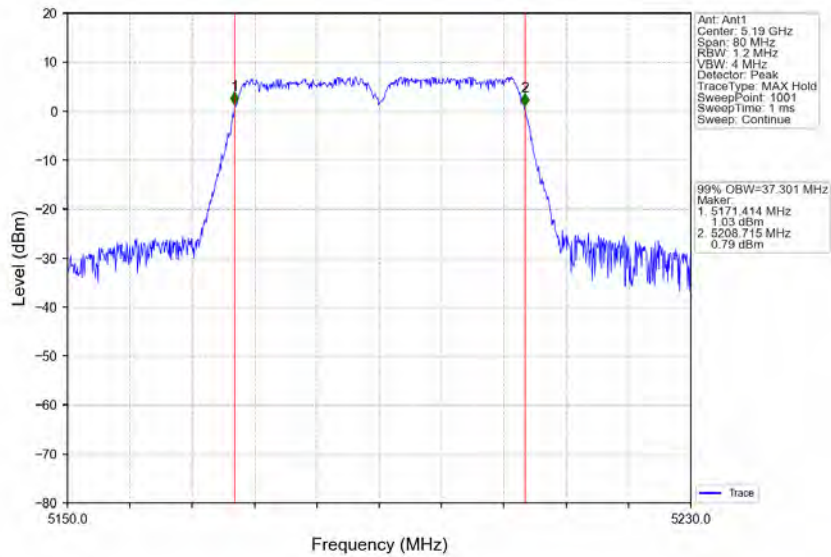
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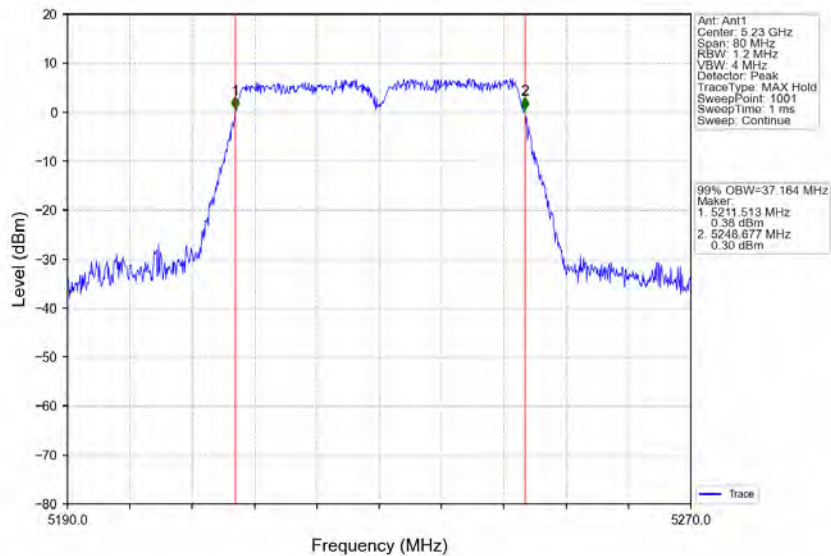
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



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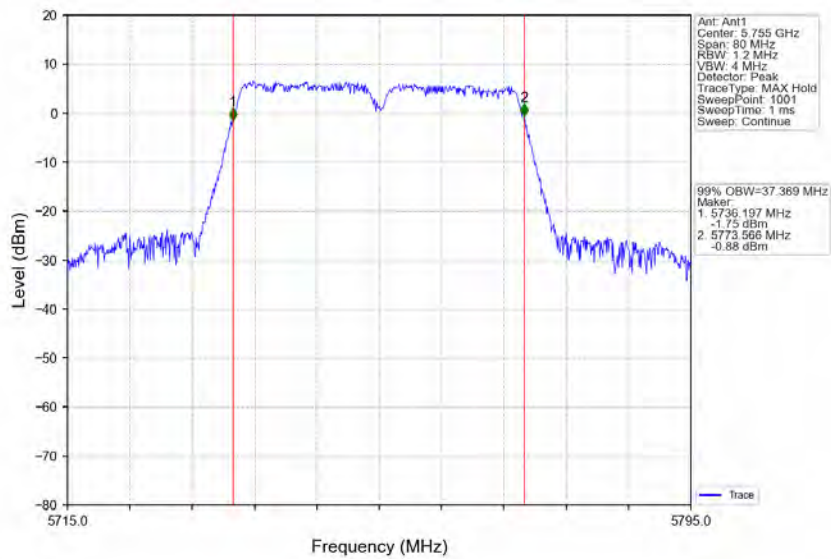
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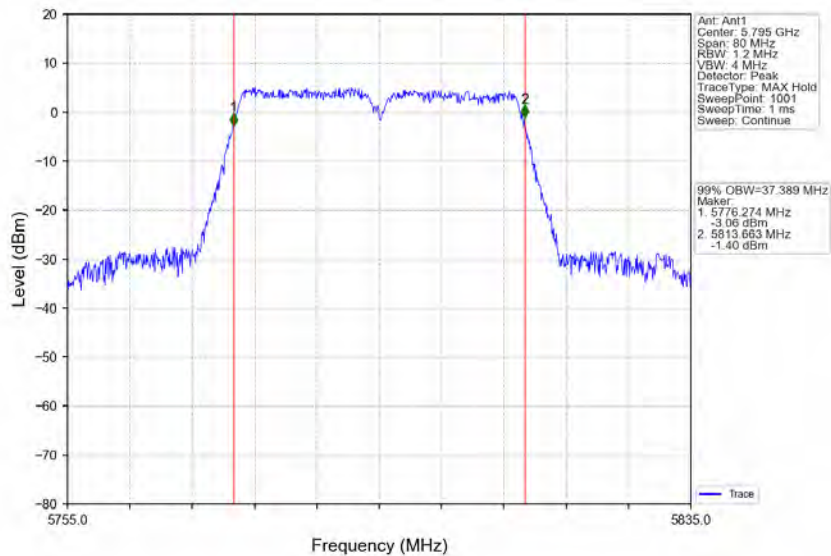
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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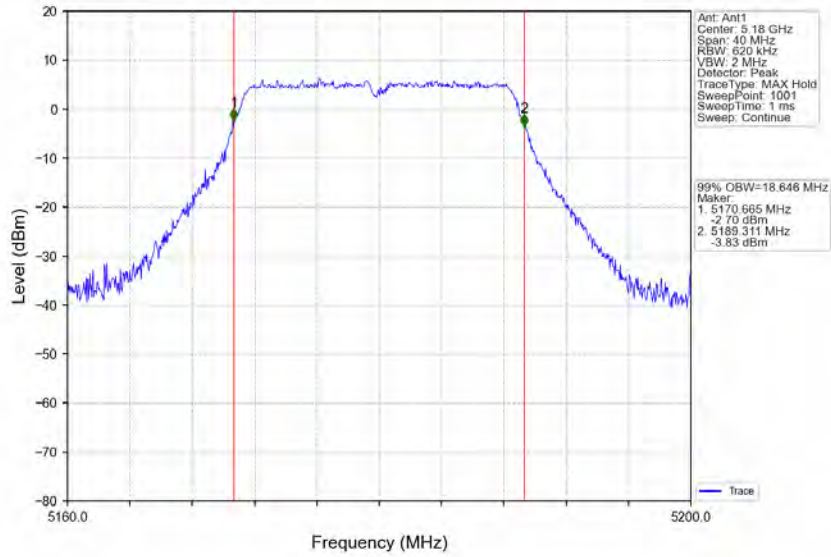
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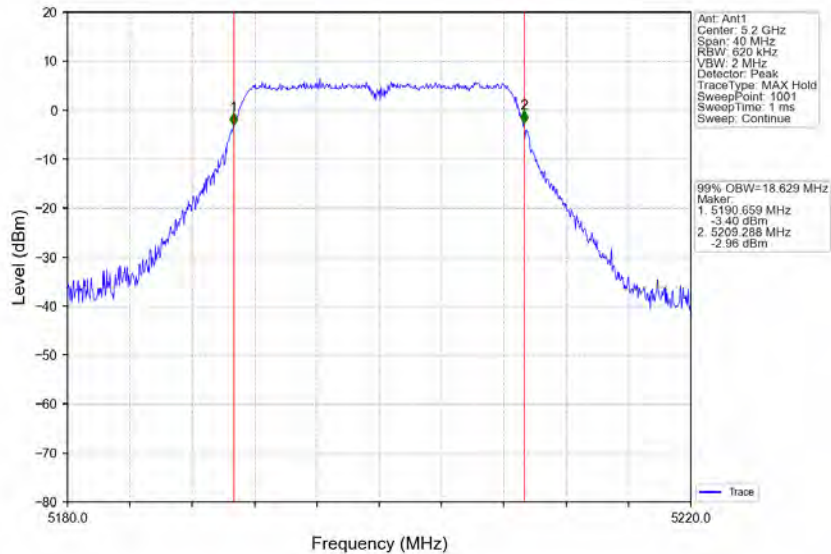
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



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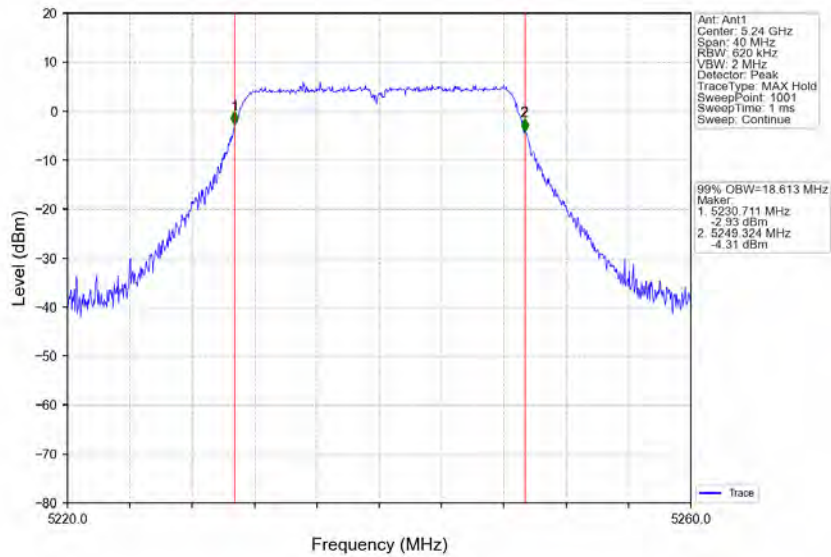
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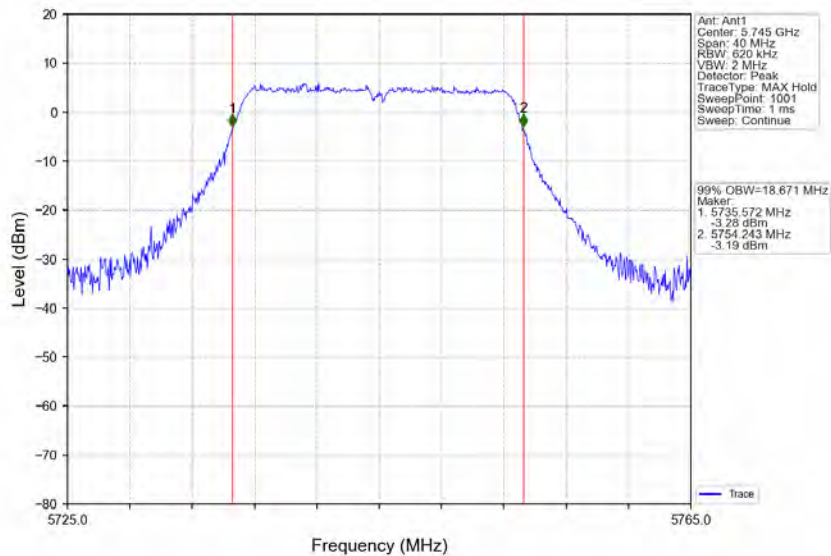
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



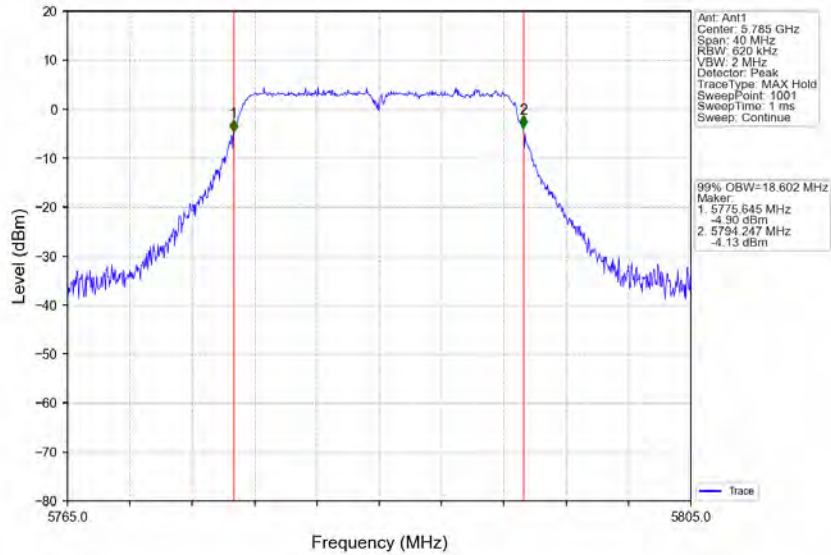
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



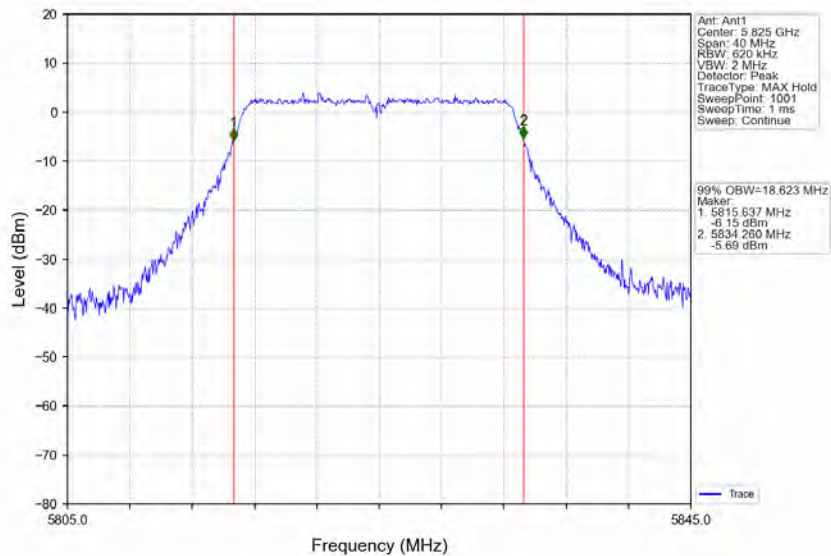
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



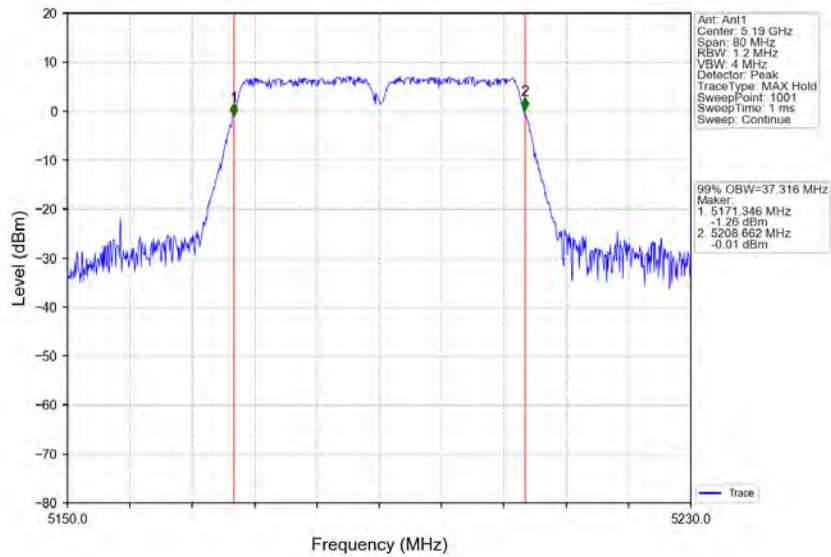
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



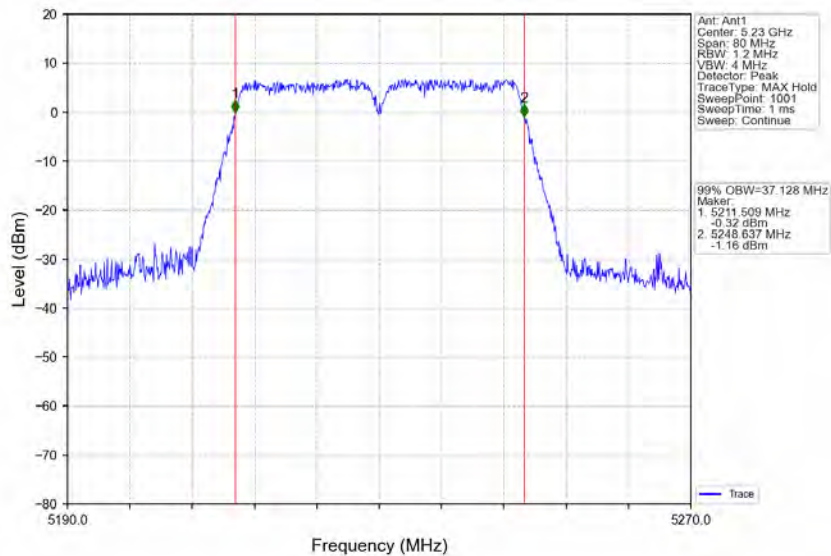
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



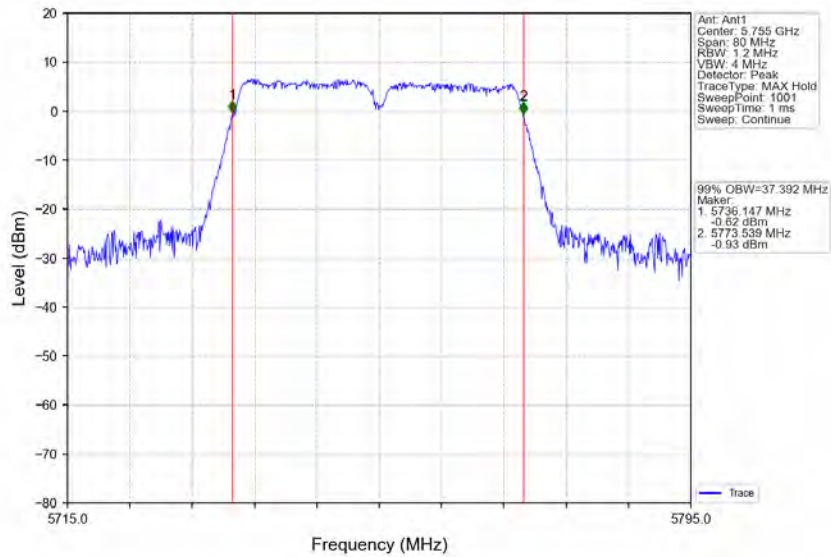
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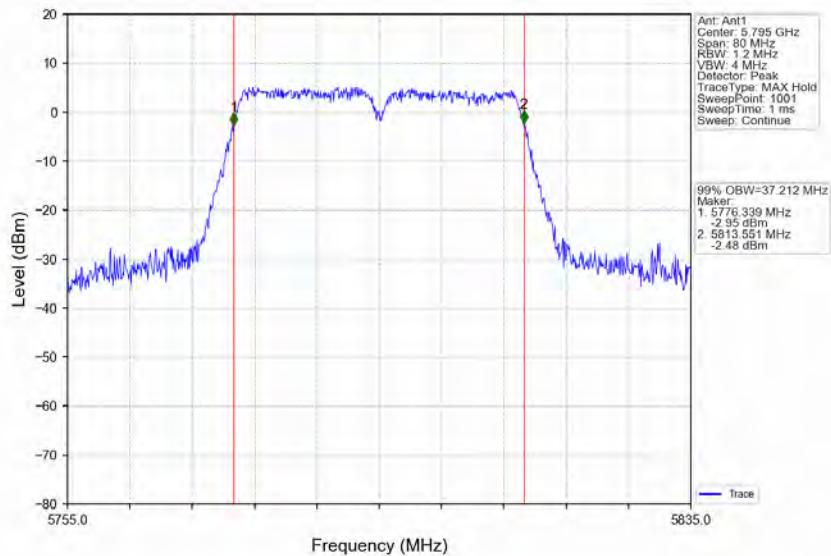
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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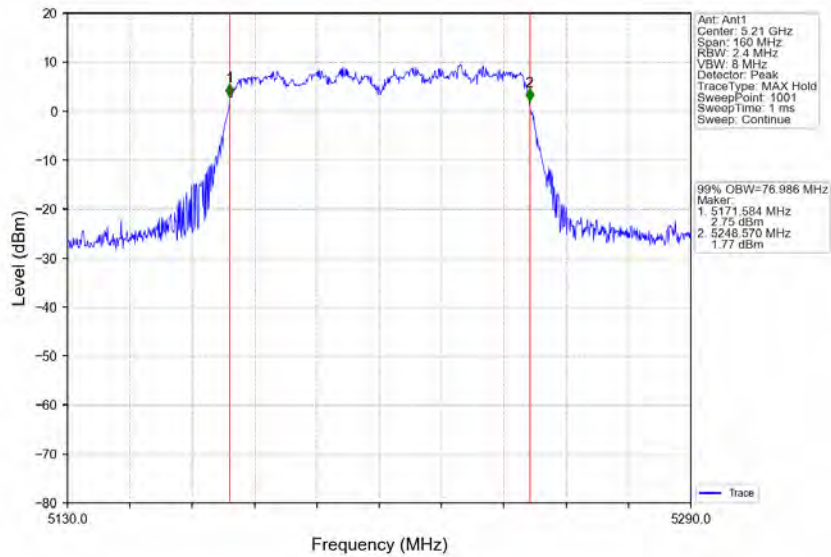
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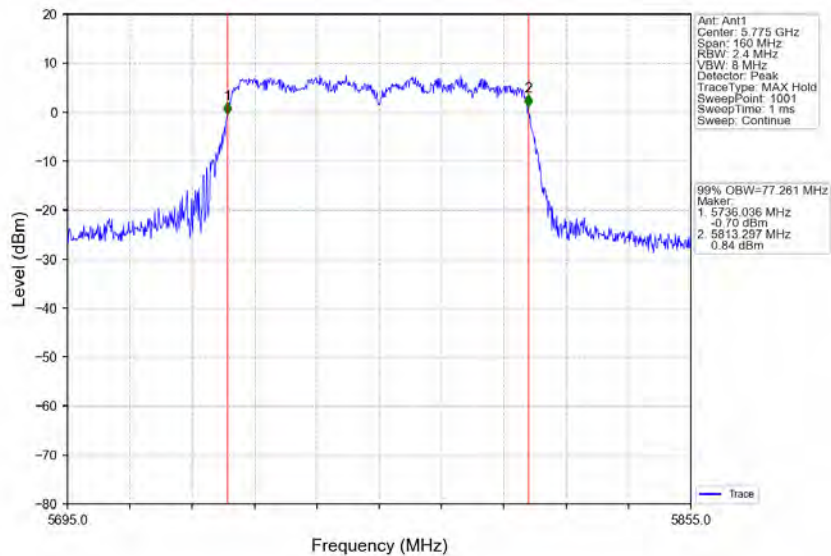
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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



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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	16.466	>=0.5	Pass
		5785	1	16.457	>=0.5	Pass
		5825	1	16.458	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.640	>=0.5	Pass
		5785	1	17.596	>=0.5	Pass
		5825	1	17.582	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.327	>=0.5	Pass
		5795	1	36.350	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.601	>=0.5	Pass
		5785	1	17.611	>=0.5	Pass
		5825	1	17.591	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.369	>=0.5	Pass
		5795	1	36.357	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.792	>=0.5	Pass

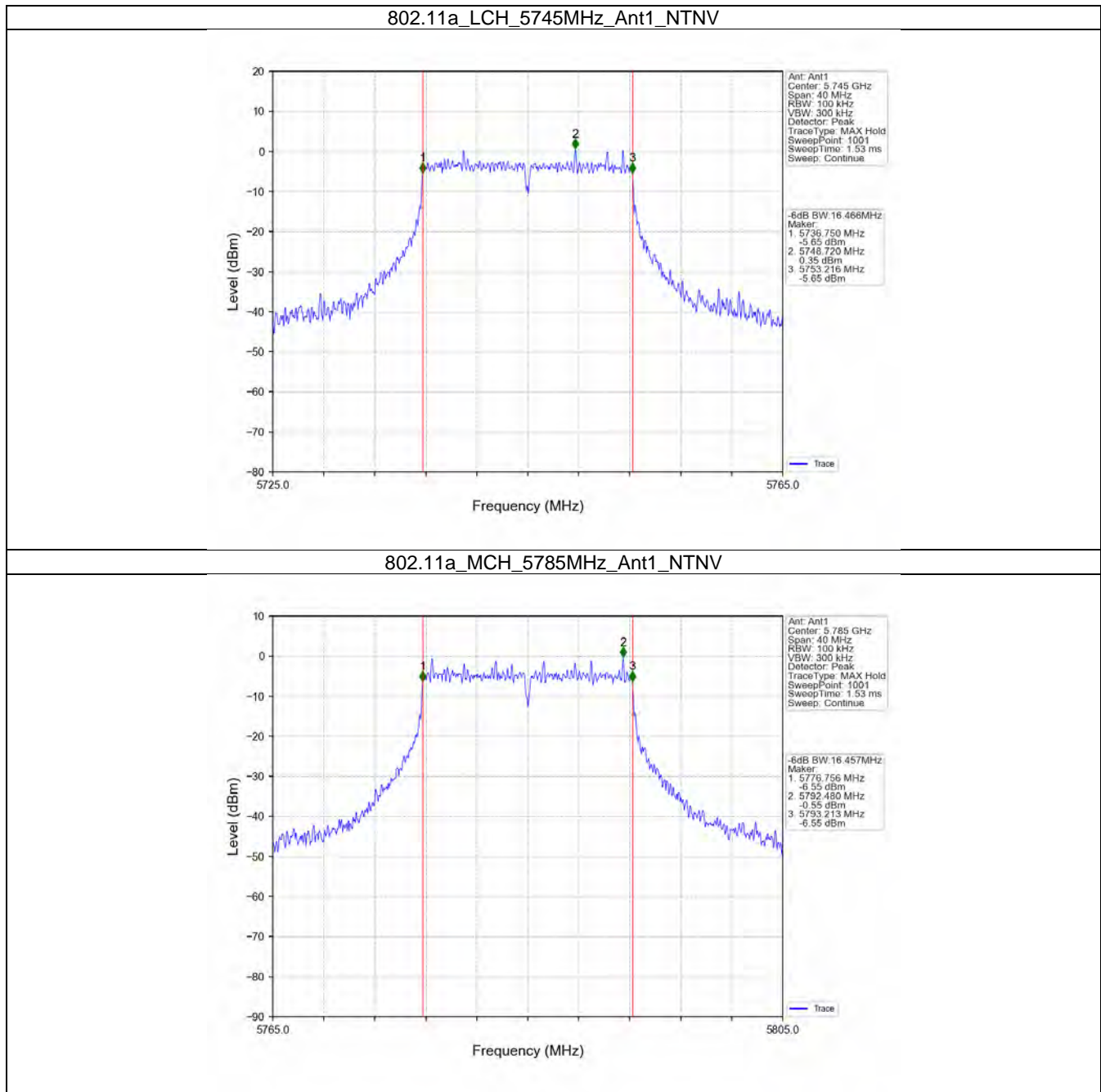


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2.2.2 Test Graph

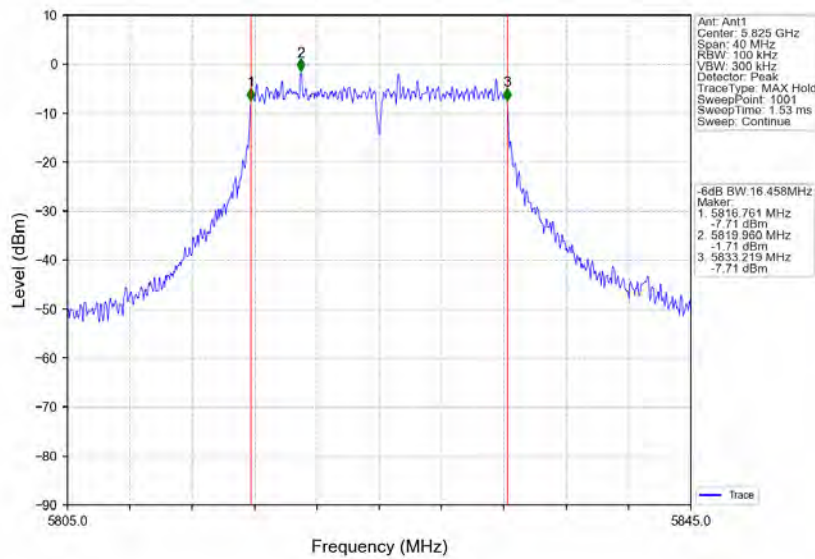


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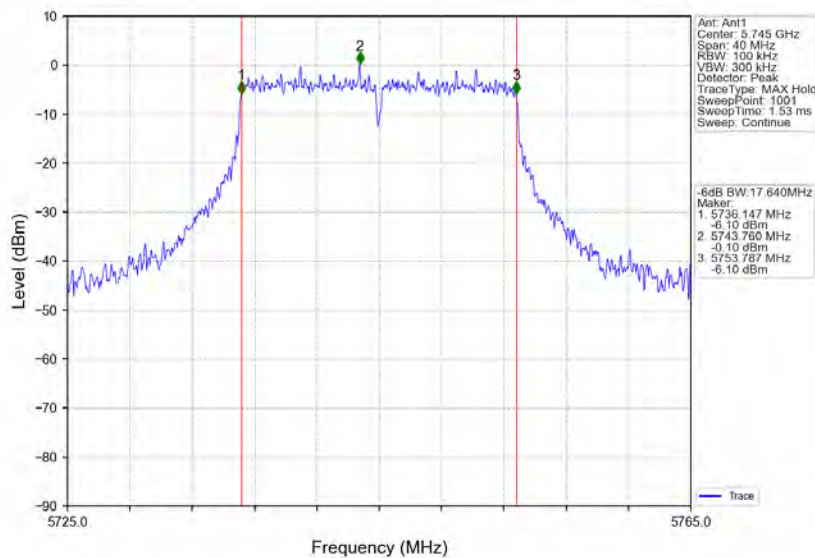
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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



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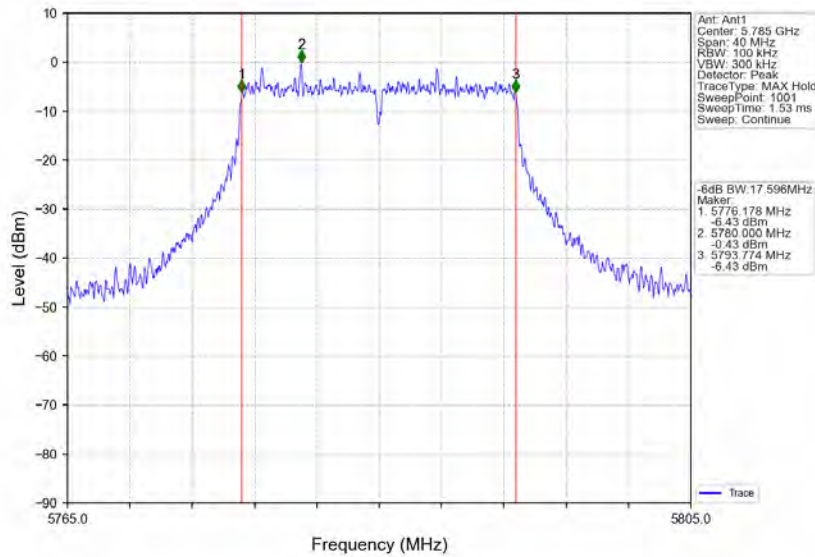
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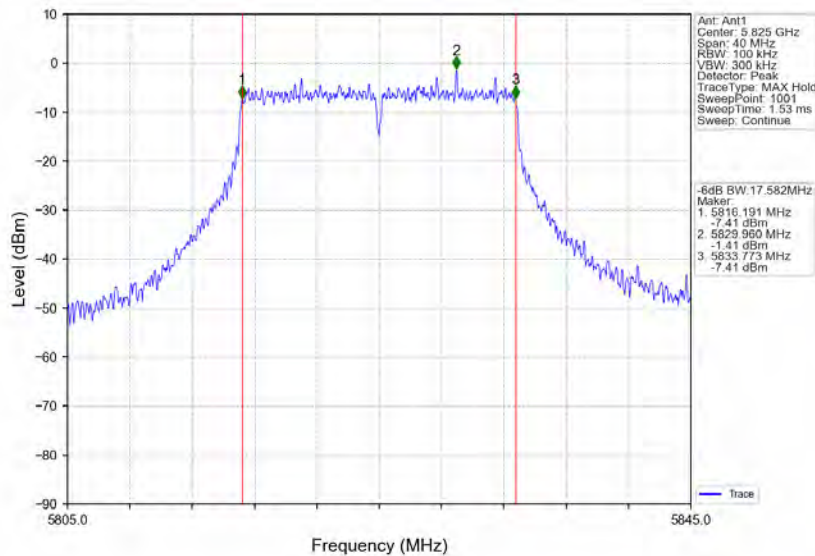
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



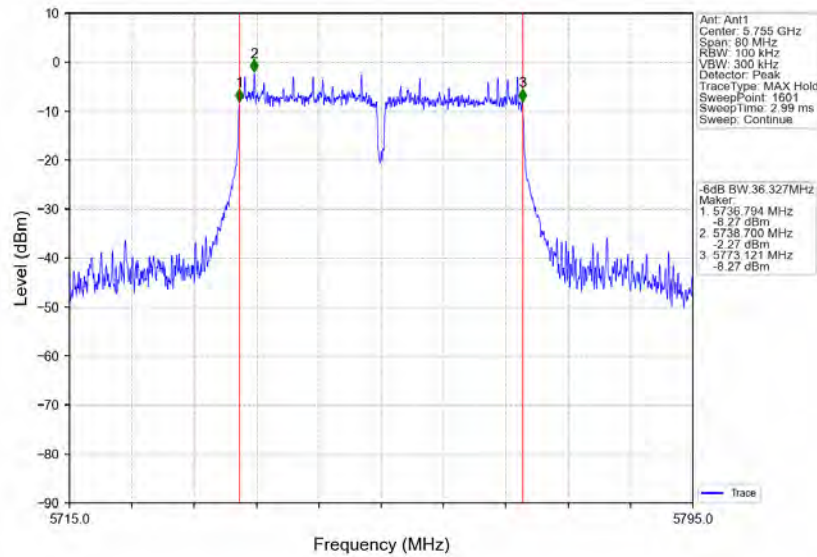
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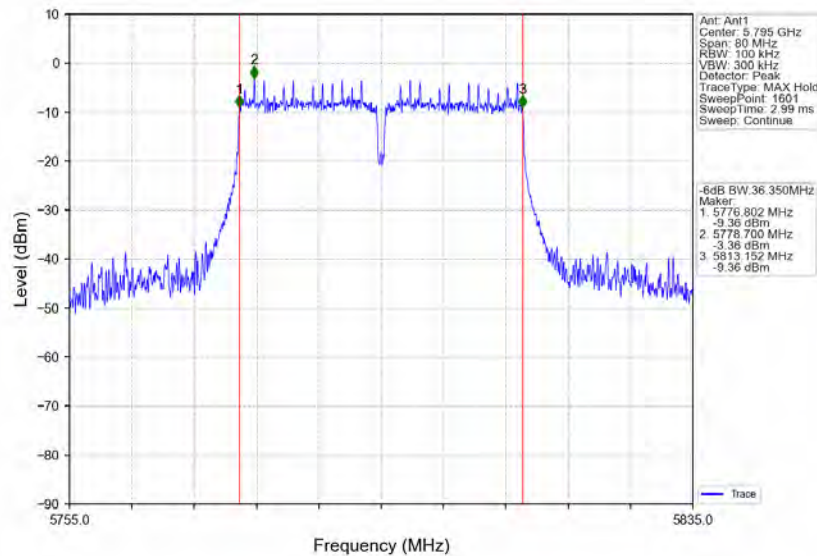
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



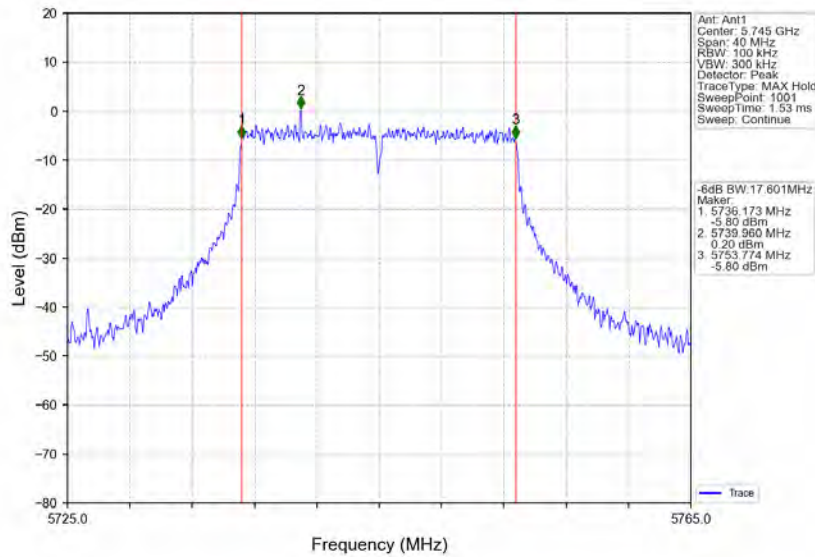
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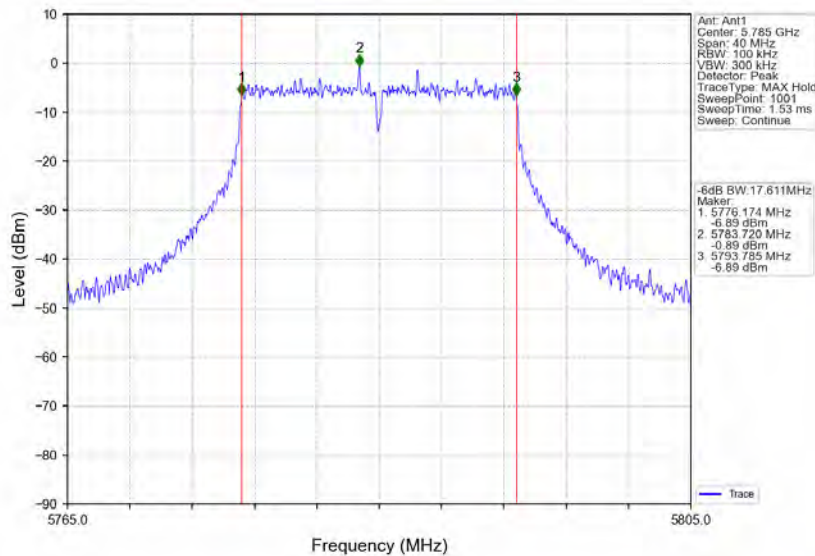
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



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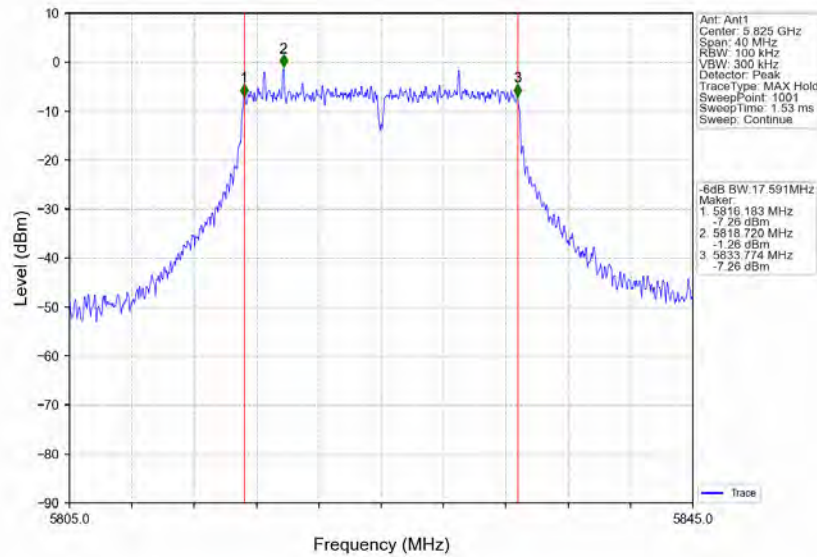
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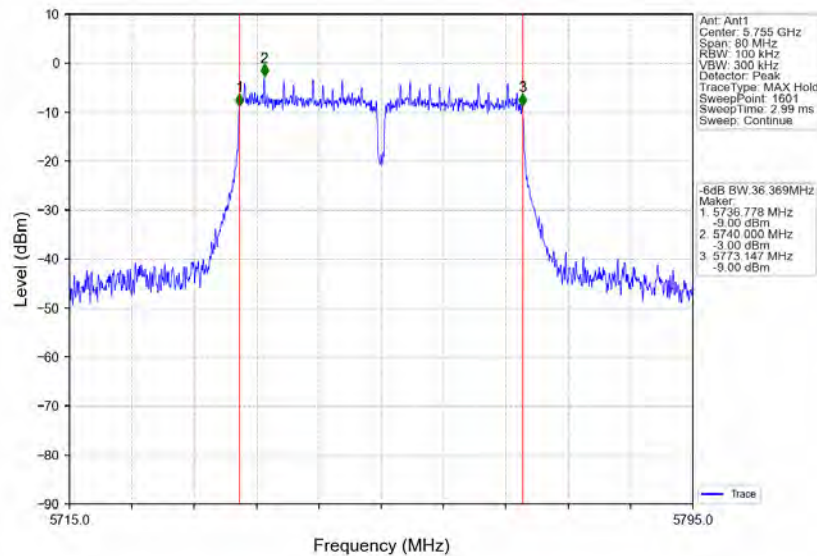
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



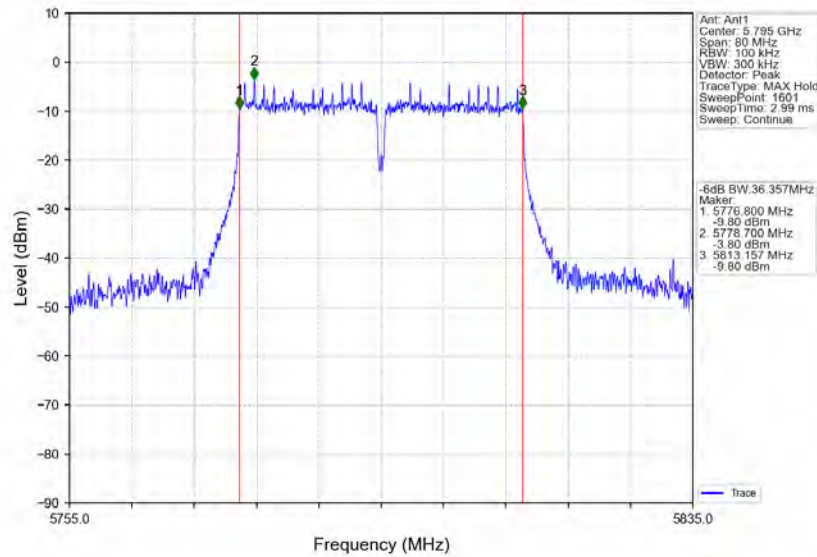
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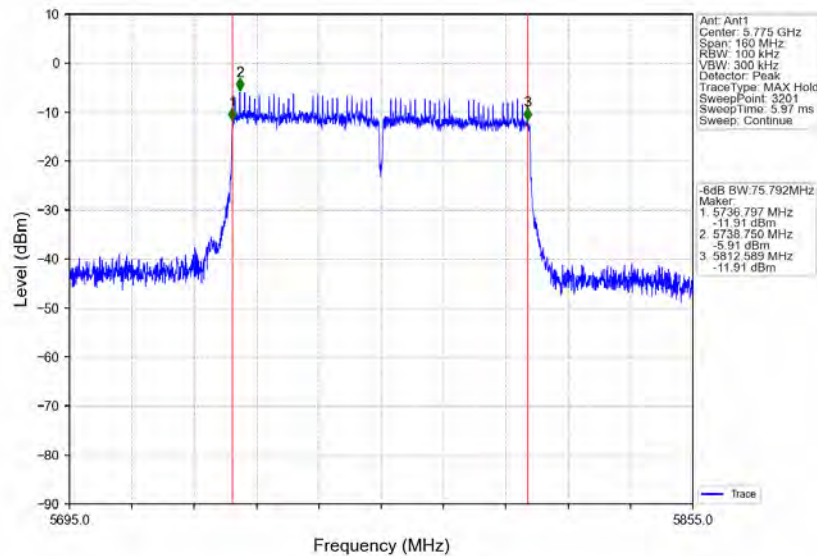
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5775MHz\_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	23.569	Pass
		5200	1	23.611	Pass
		5240	1	23.657	Pass
802.11n (HT20)	SISO	5180	1	24.196	Pass
		5200	1	24.355	Pass
		5240	1	24.171	Pass
802.11n (HT40)	SISO	5190	1	43.600	Pass
		5230	1	43.016	Pass
802.11ac (VHT20)	SISO	5180	1	24.027	Pass
		5200	1	24.210	Pass
		5240	1	24.553	Pass
802.11ac (VHT40)	SISO	5190	1	43.538	Pass
		5230	1	43.447	Pass
802.11ac (VHT80)	SISO	5210	1	93.504	Pass

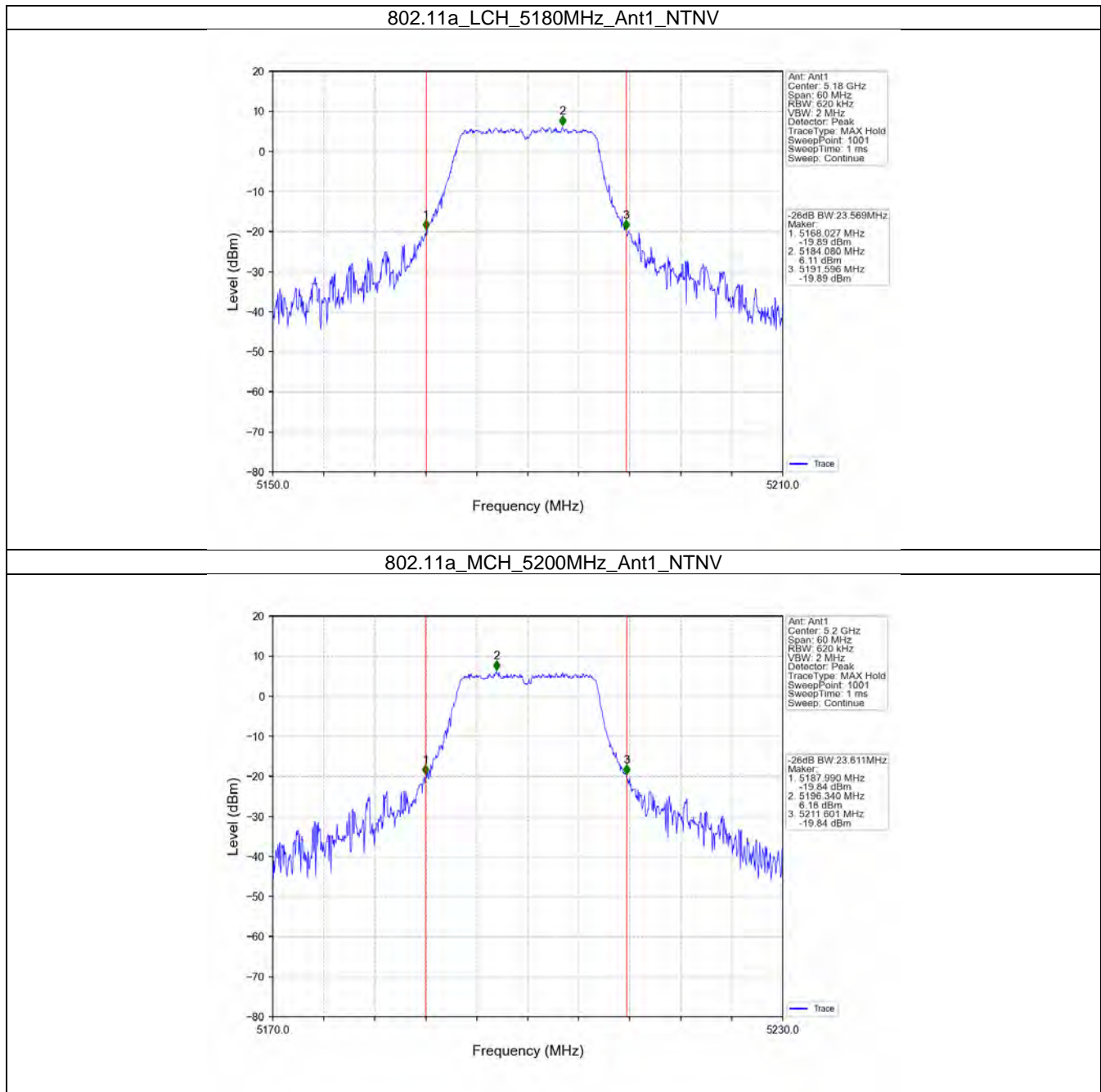


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2.3.2 Test Graph

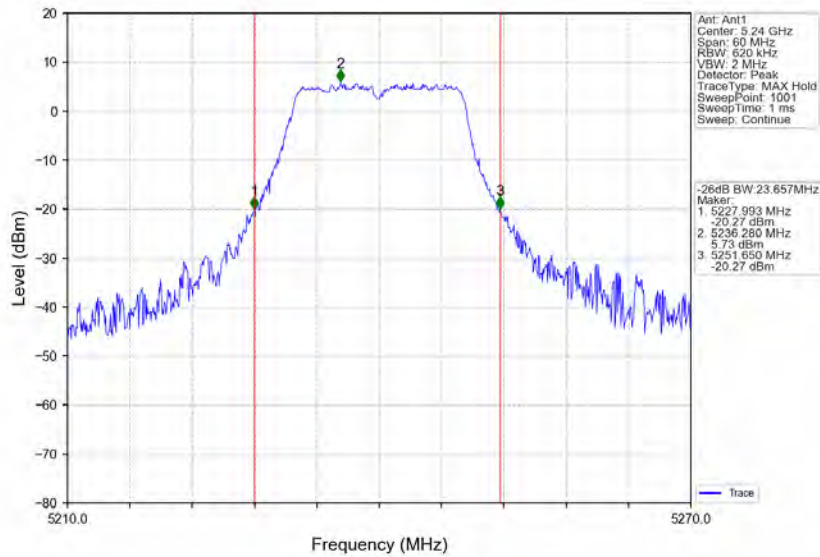


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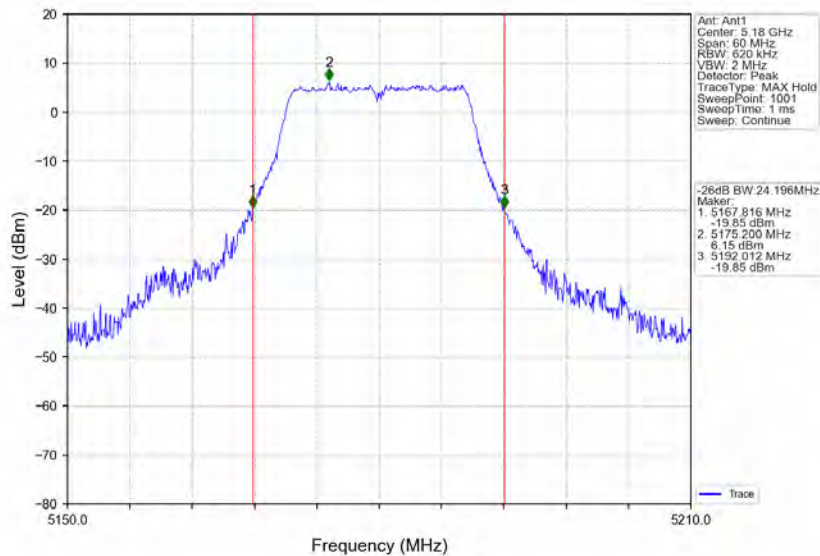
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



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



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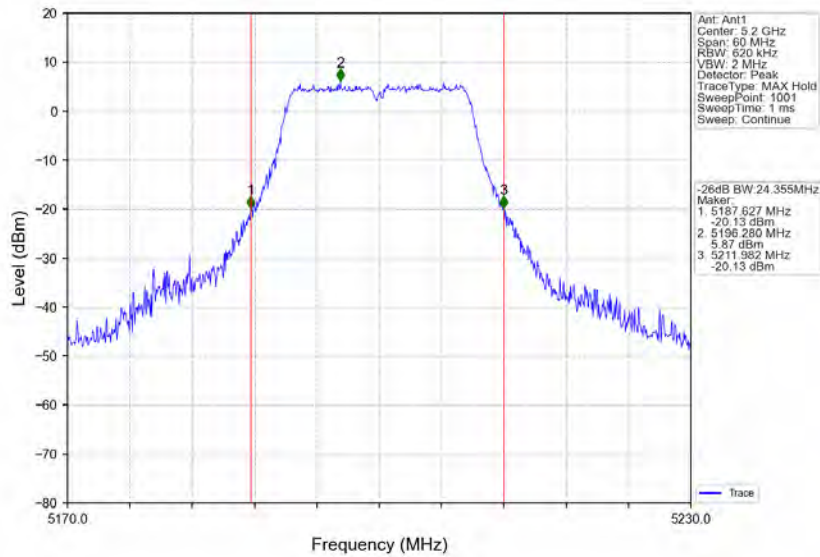
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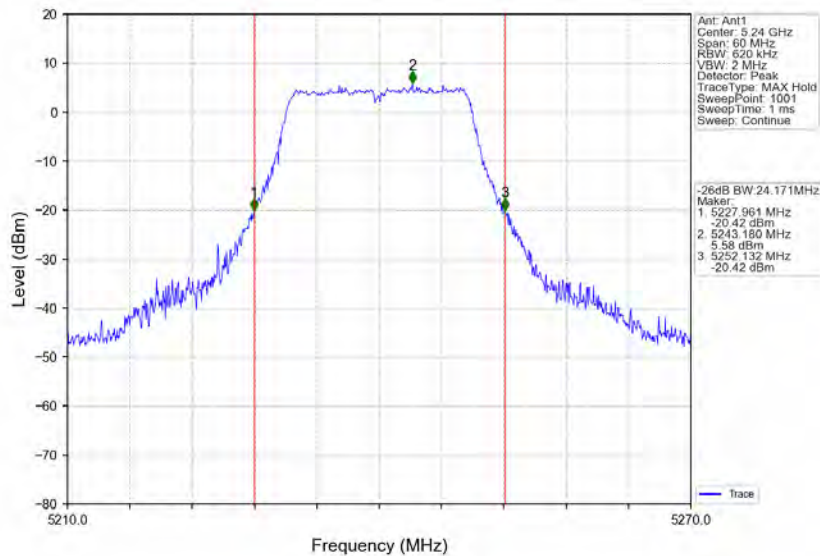
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



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



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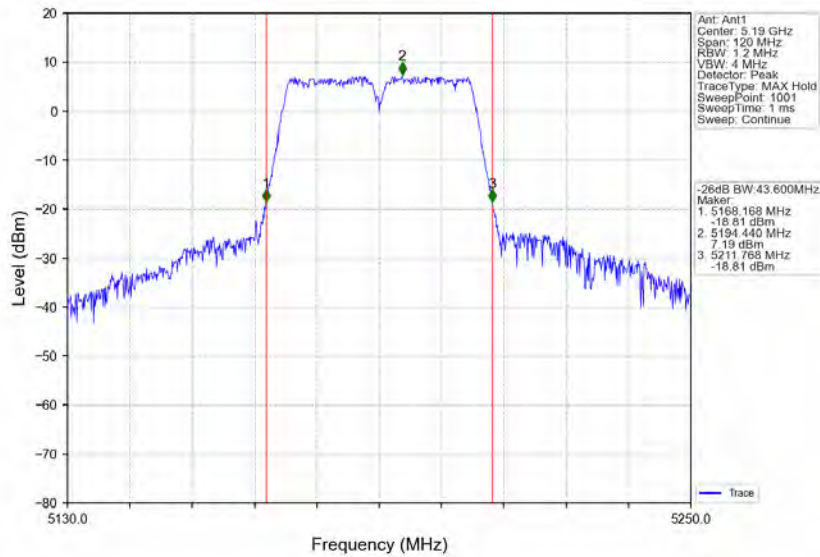
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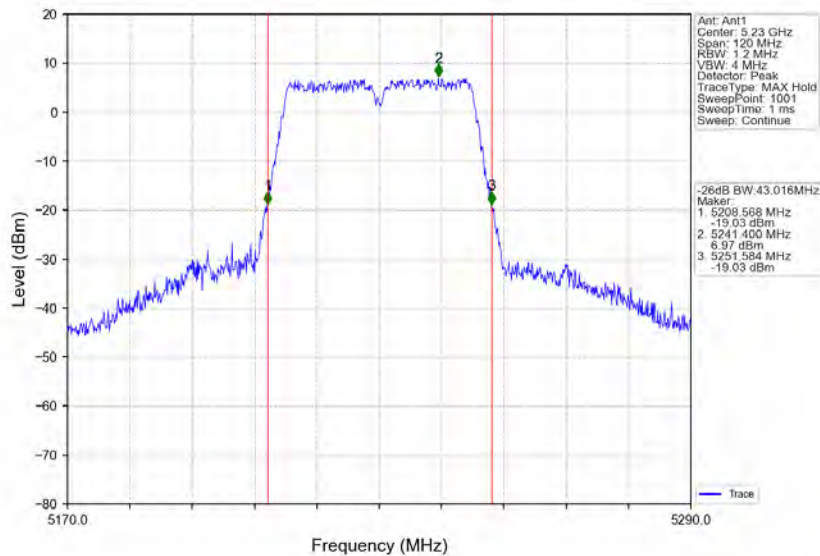
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



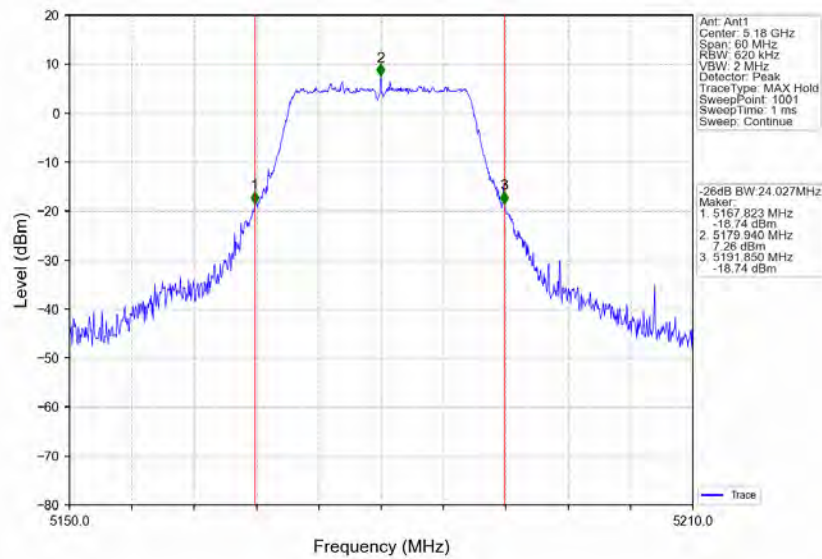
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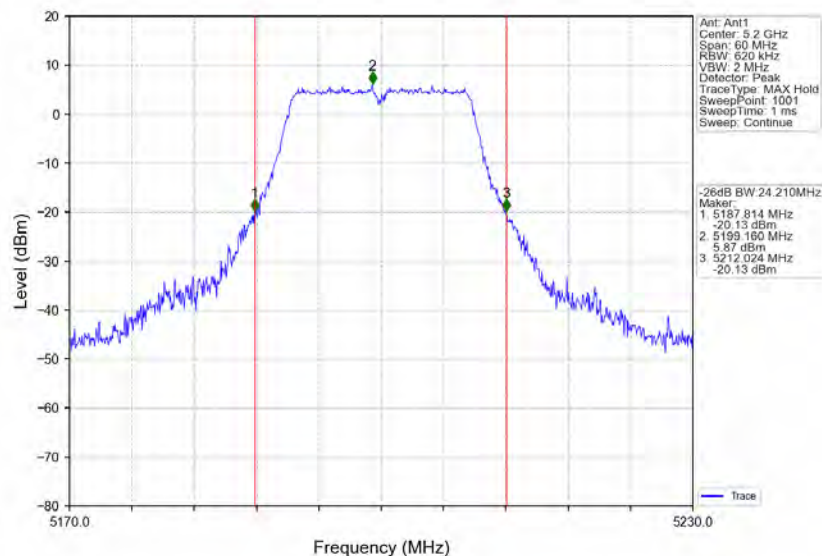
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



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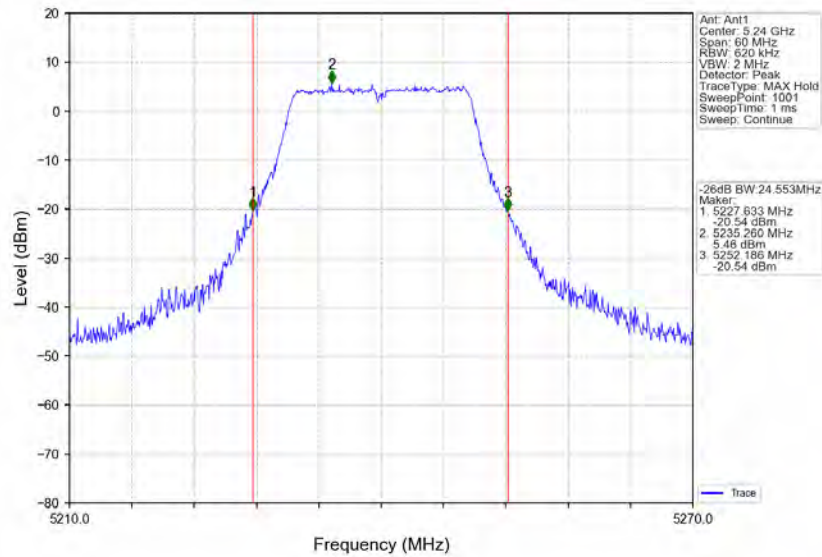
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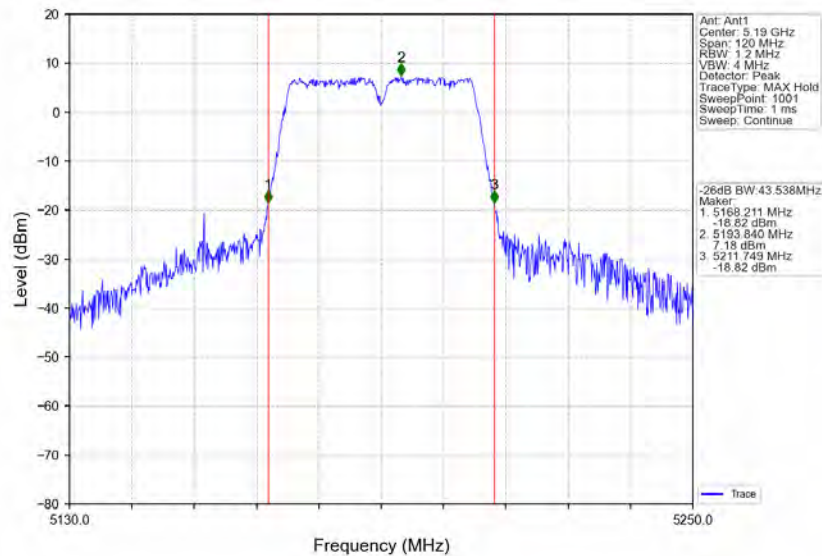
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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

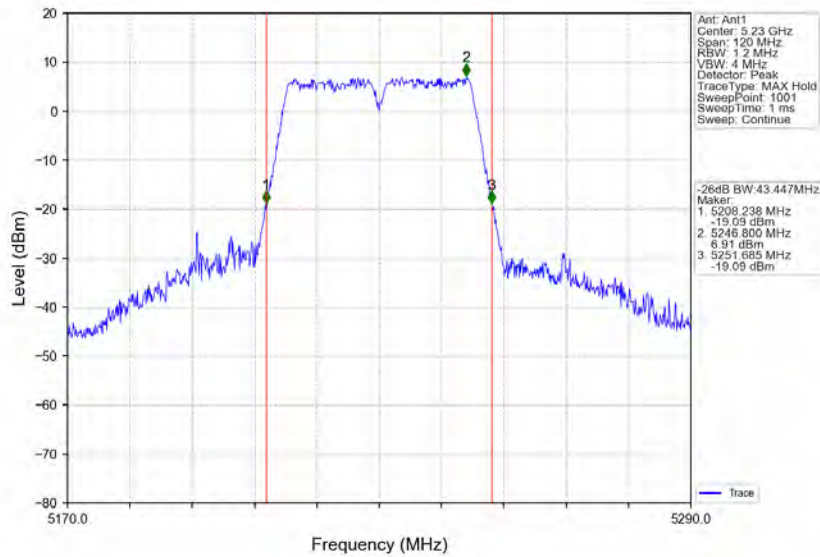


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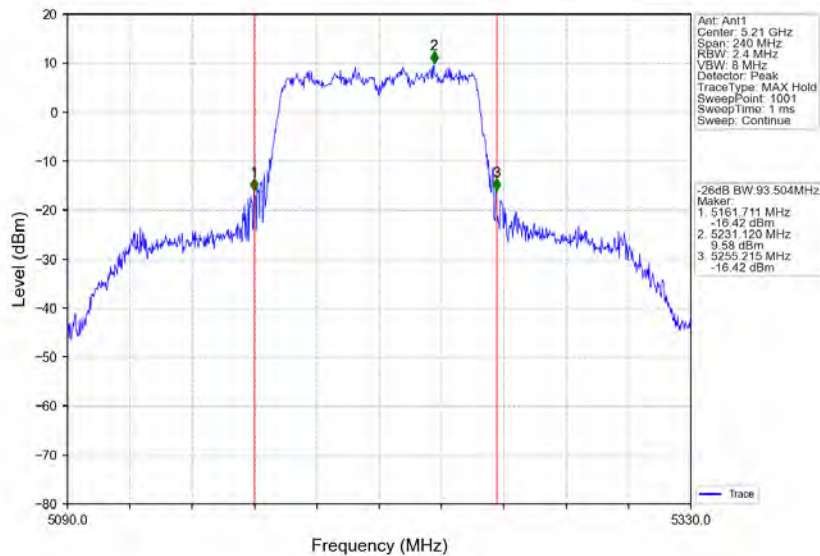
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



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



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

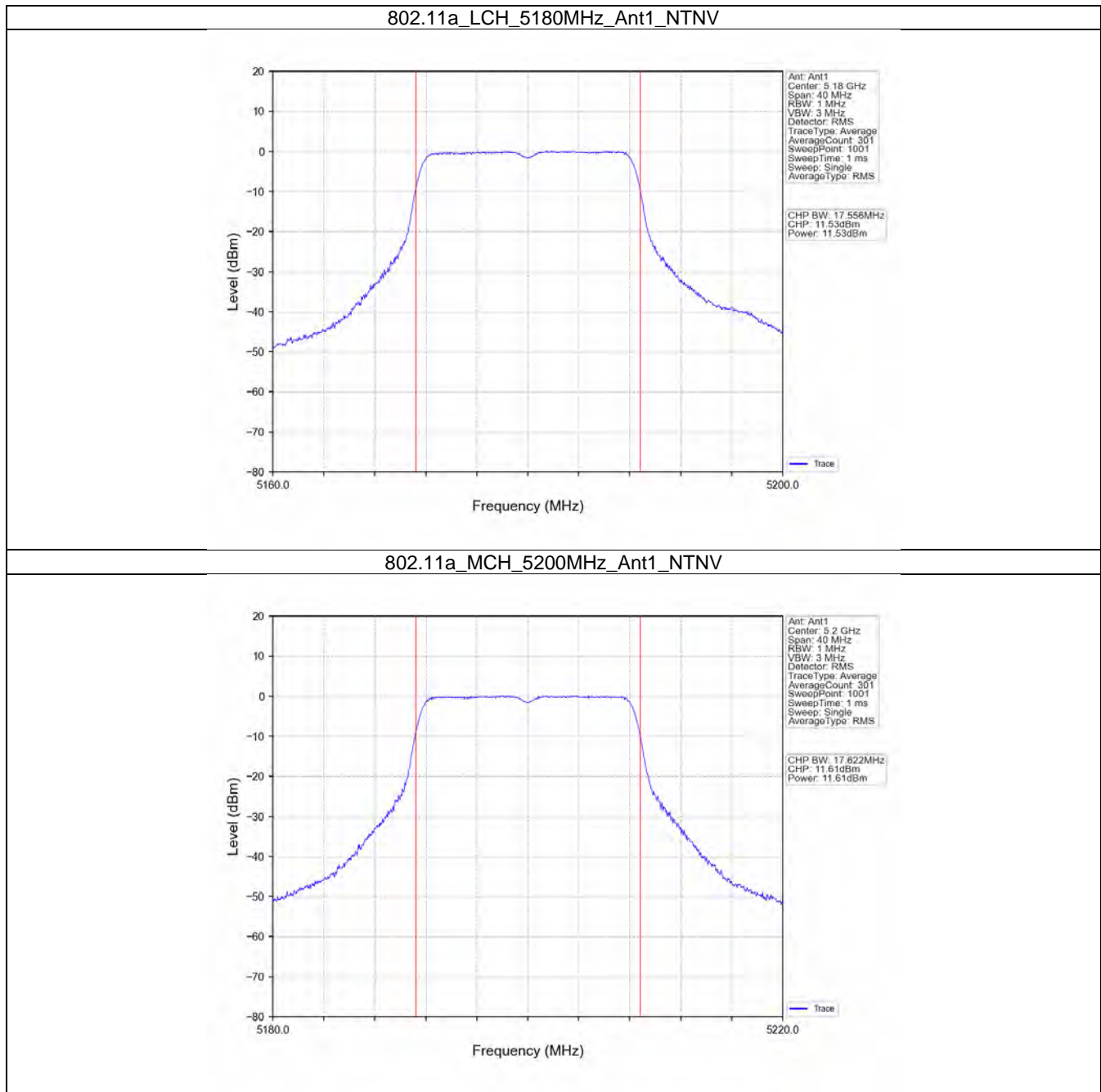
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	11.53	<=23.98	Pass
		5200	11.61	<=23.98	Pass
		5240	11.23	<=23.98	Pass
		5745	10.10	<=30	Pass
		5785	9.82	<=30	Pass
		5825	8.98	<=30	Pass
802.11n (HT20)	SISO	5180	11.65	<=23.98	Pass
		5200	11.58	<=23.98	Pass
		5240	11.18	<=23.98	Pass
		5745	9.97	<=30	Pass
		5785	9.69	<=30	Pass
		5825	8.81	<=30	Pass
802.11n (HT40)	SISO	5190	11.50	<=23.98	Pass
		5230	11.10	<=23.98	Pass
		5755	9.50	<=30	Pass
		5795	9.36	<=30	Pass
802.11ac (VHT20)	SISO	5180	11.62	<=23.98	Pass
		5200	11.61	<=23.98	Pass
		5240	11.18	<=23.98	Pass
		5745	9.95	<=30	Pass
		5785	9.67	<=30	Pass
		5825	8.77	<=30	Pass
802.11ac (VHT40)	SISO	5190	11.39	<=23.98	Pass
		5230	10.96	<=23.98	Pass
		5755	9.44	<=30	Pass
		5795	9.19	<=30	Pass
802.11ac (VHT80)	SISO	5210	11.35	<=23.98	Pass
		5775	9.50	<=30	Pass

Note1: Band U-NII-1 Antenna Gain: 2.00dBi; Band U-NII-3 Antenna Gain: 2.30dBi;



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3.1.2 Test Graph



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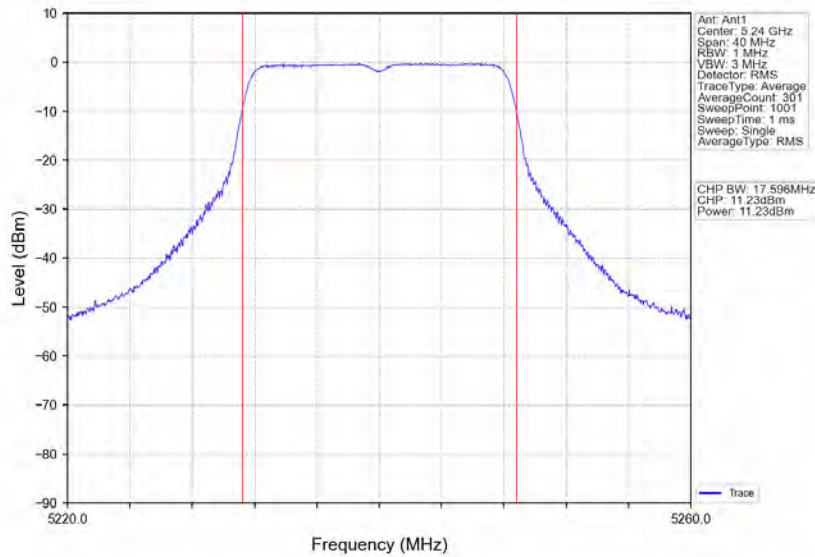
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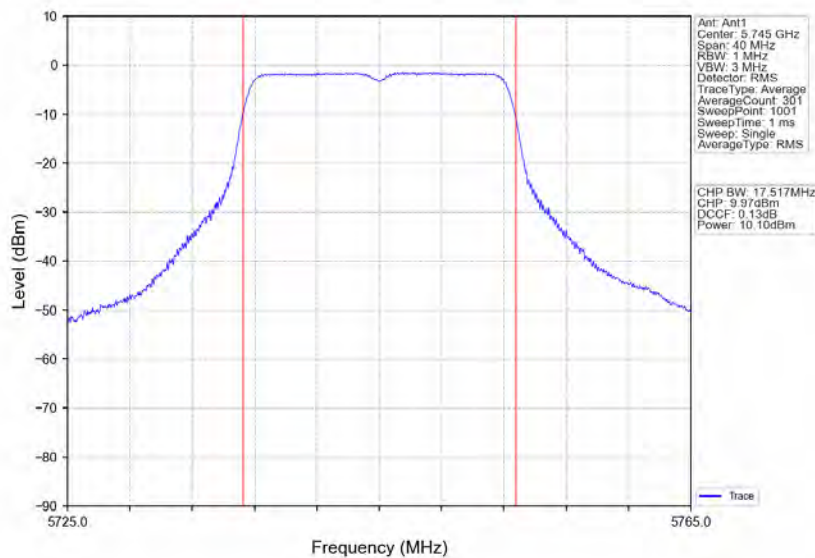
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_LCH\_5745MHz\_Ant1\_NTNV



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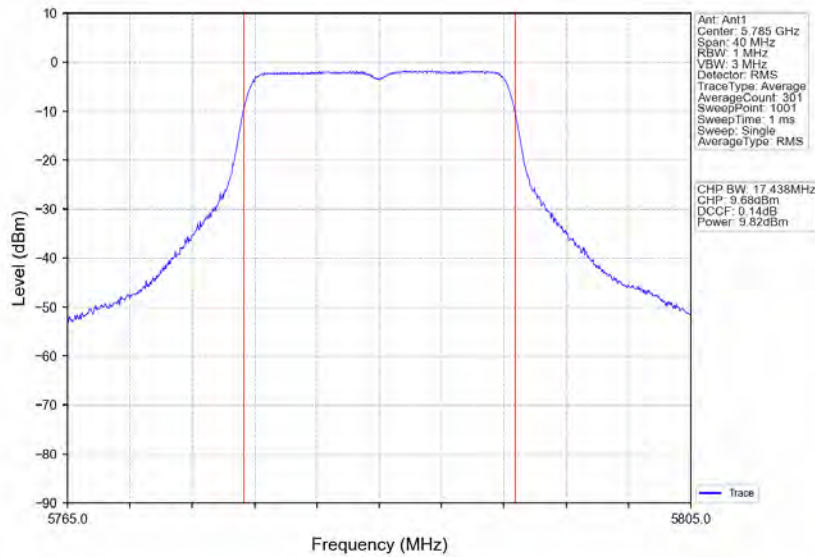
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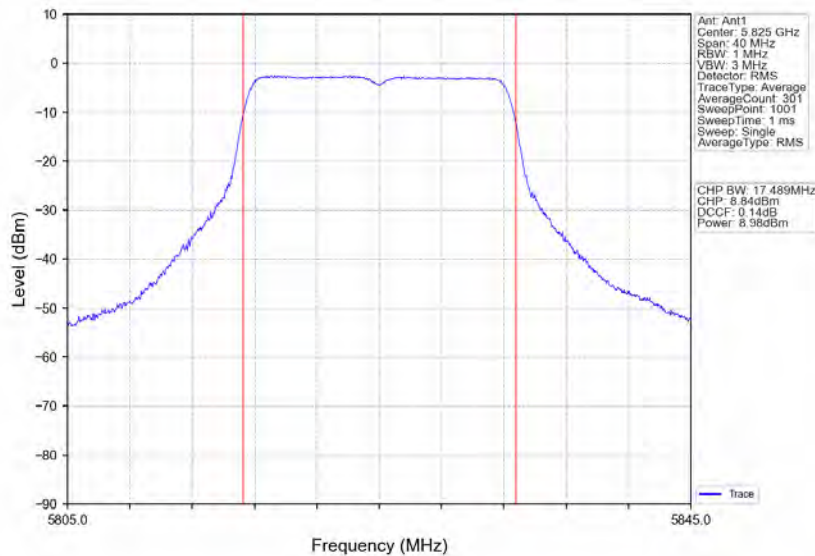
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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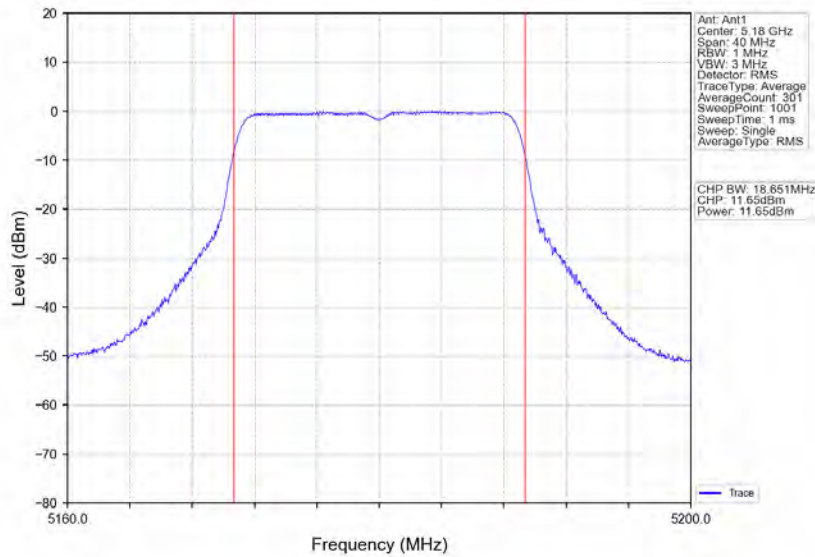
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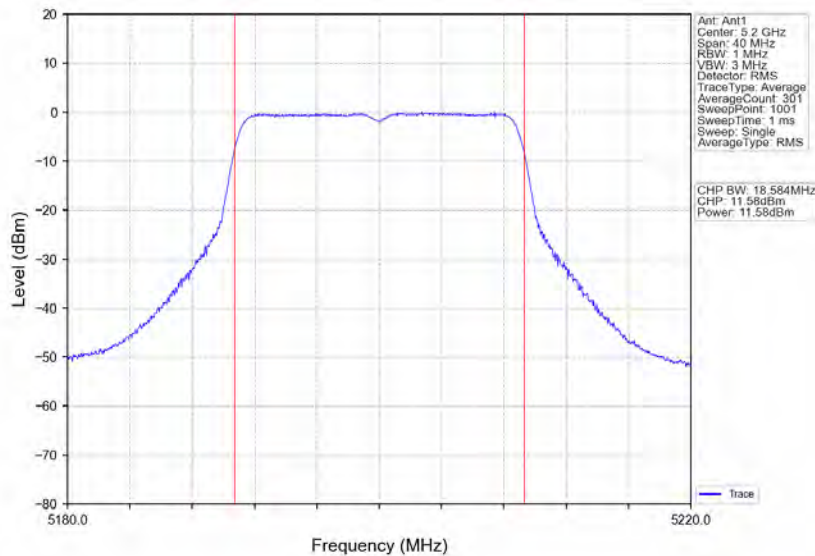
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



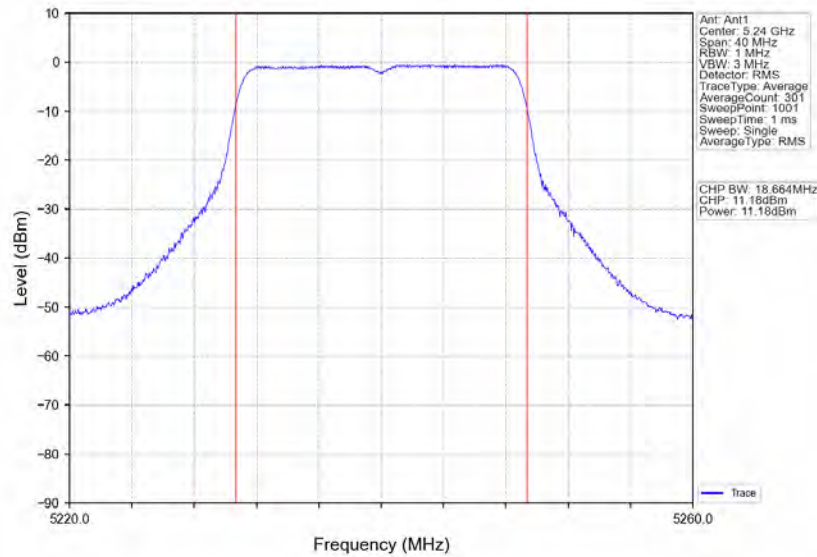
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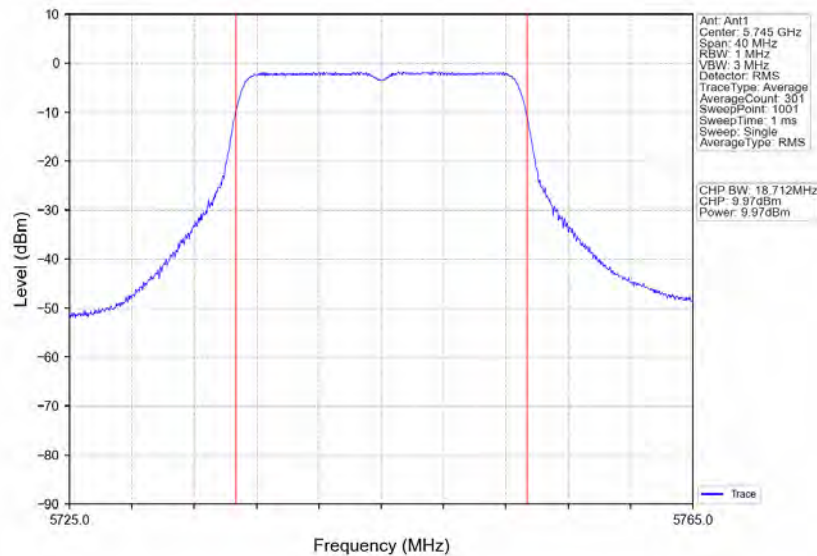
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



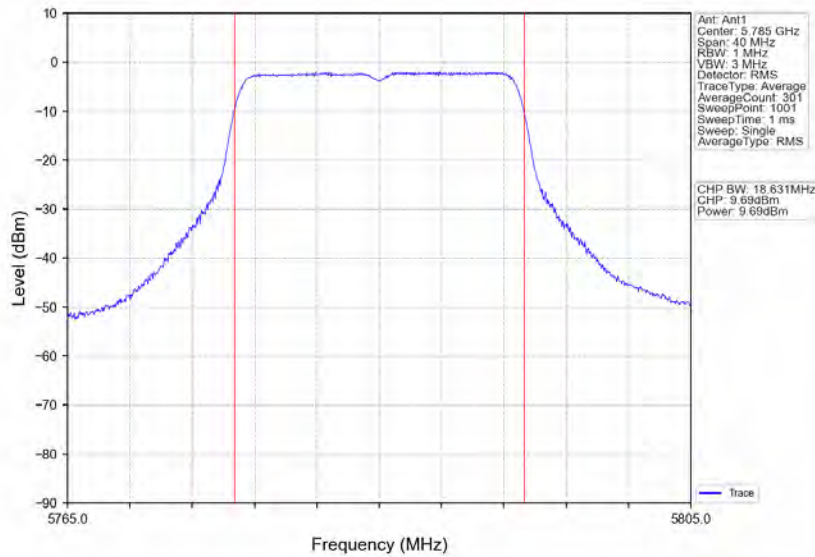
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



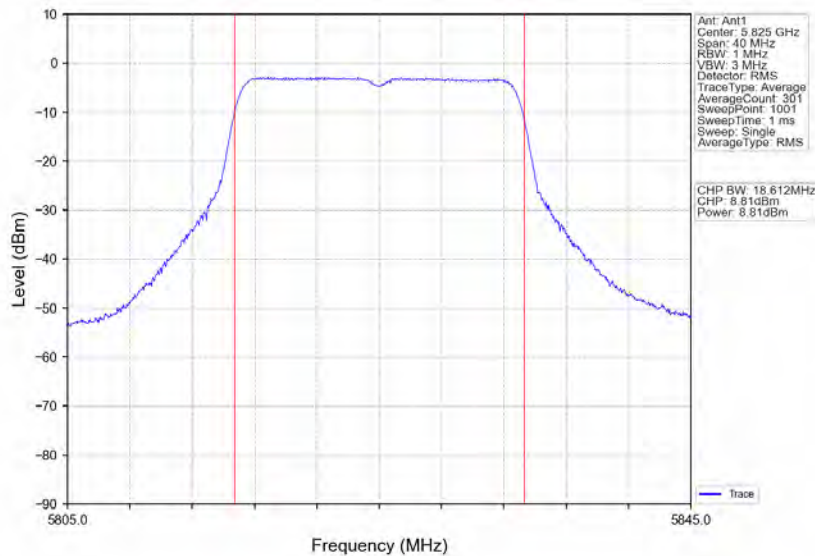
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



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



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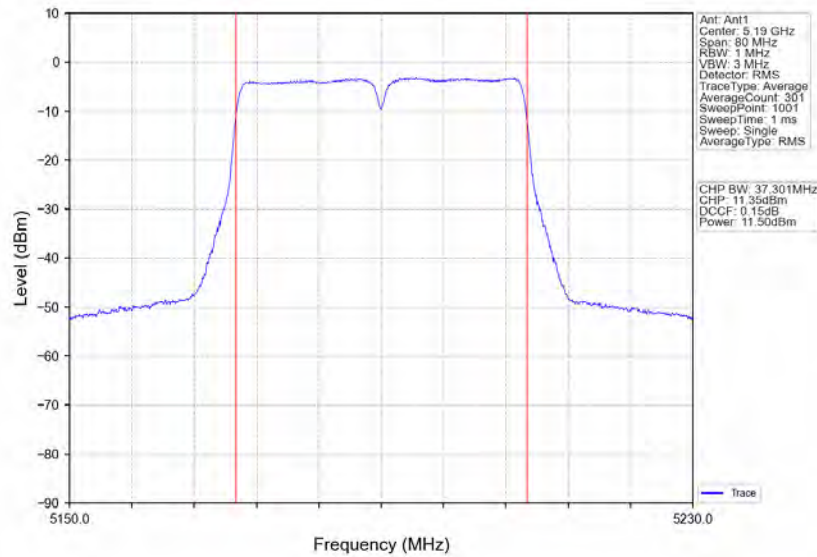
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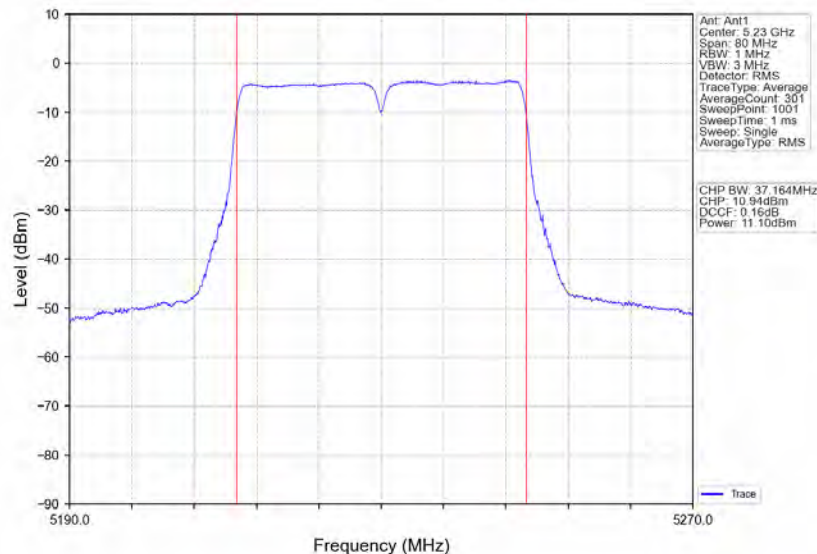
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



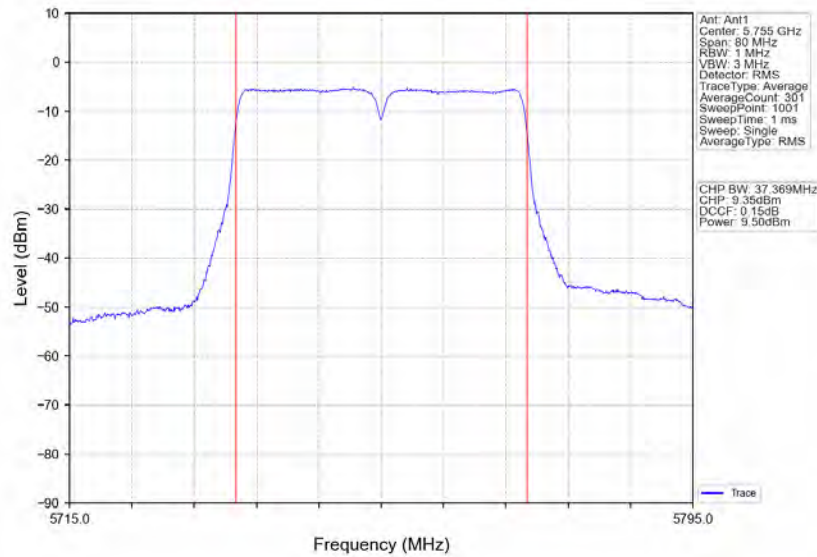
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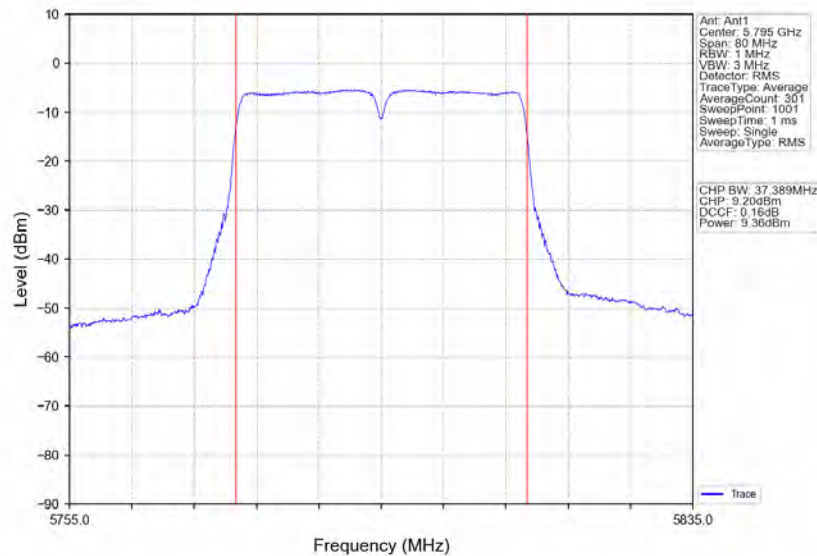
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



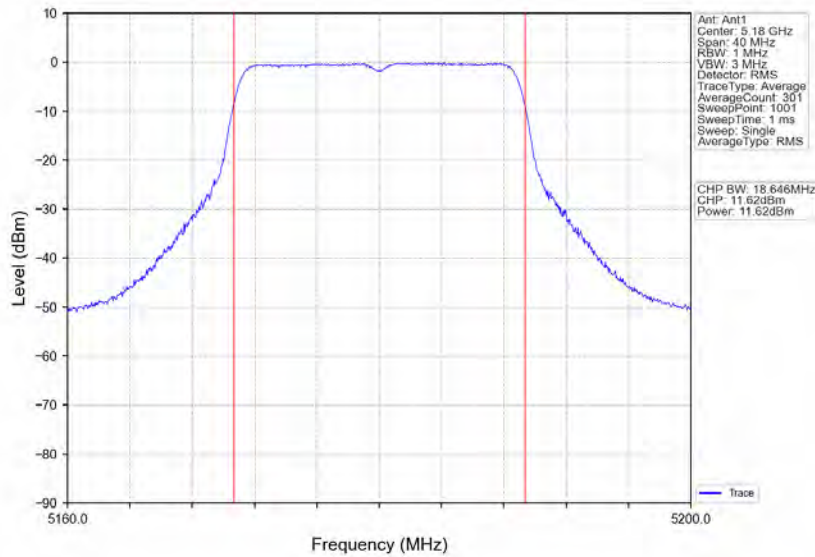
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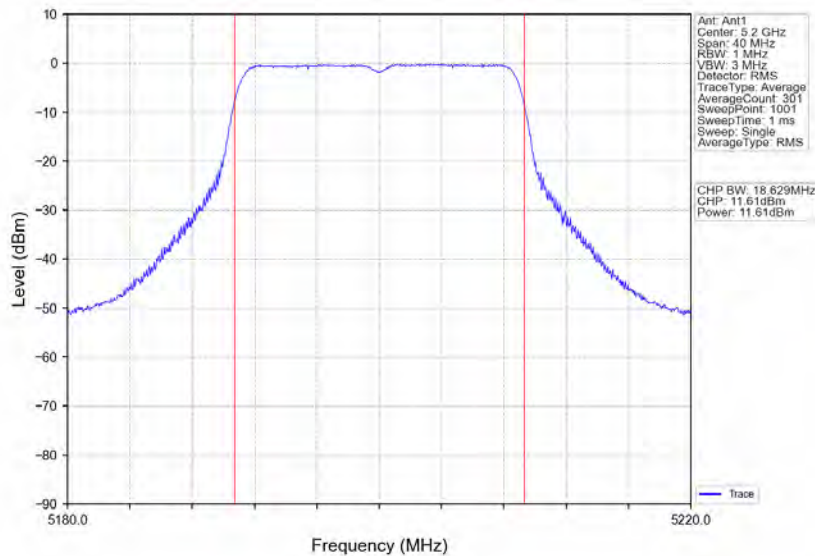
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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

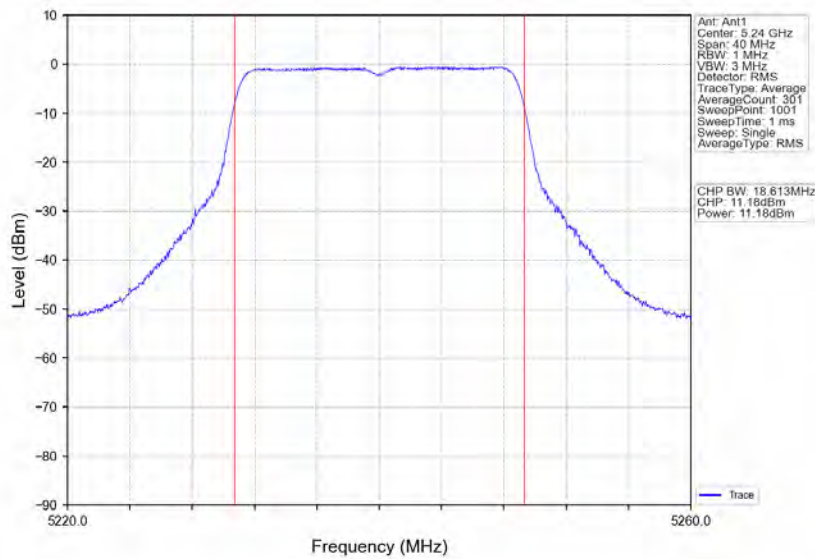


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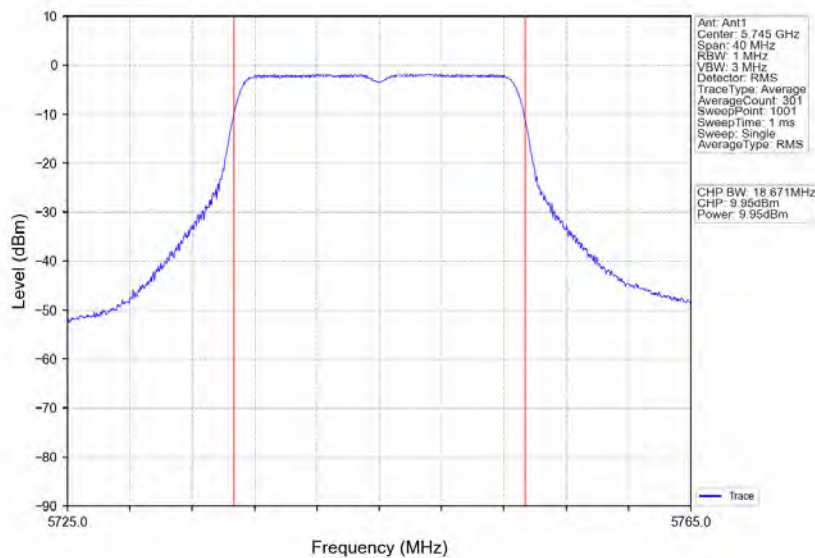
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



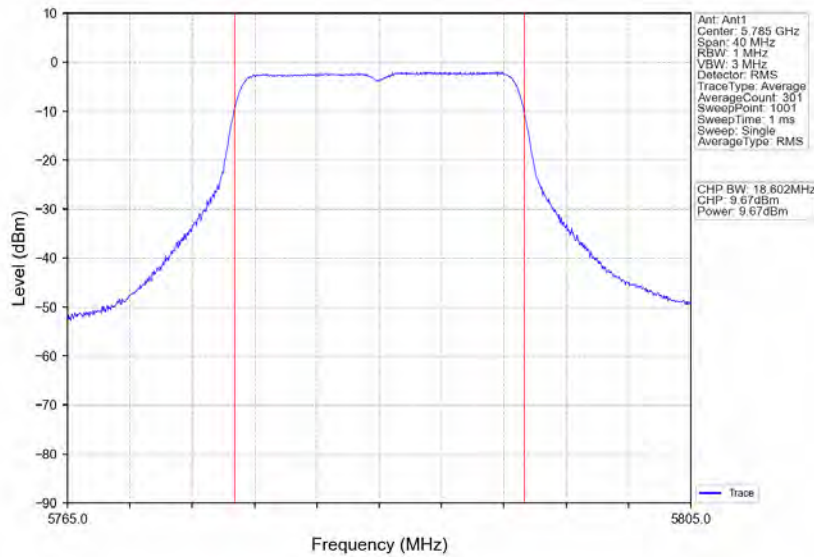
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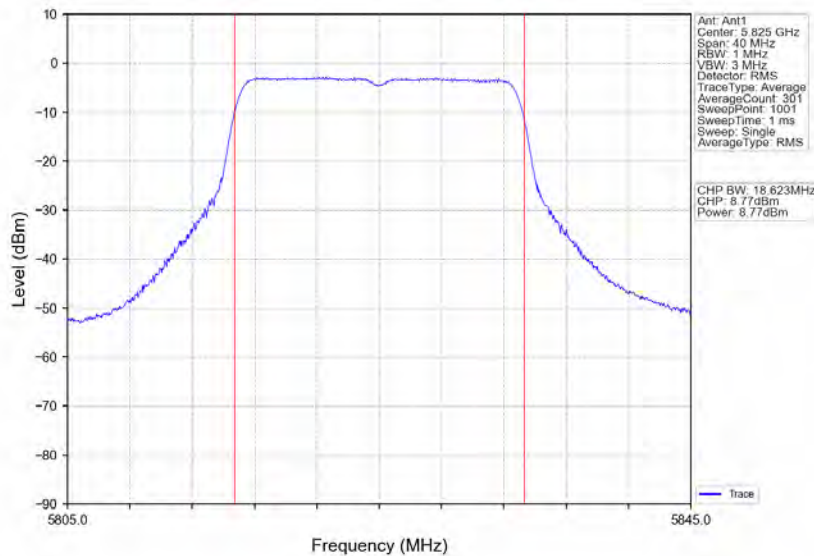
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



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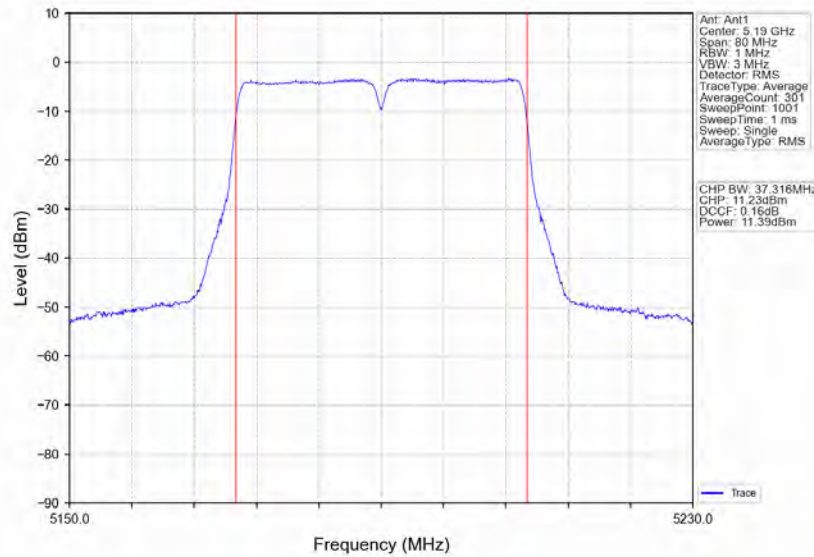
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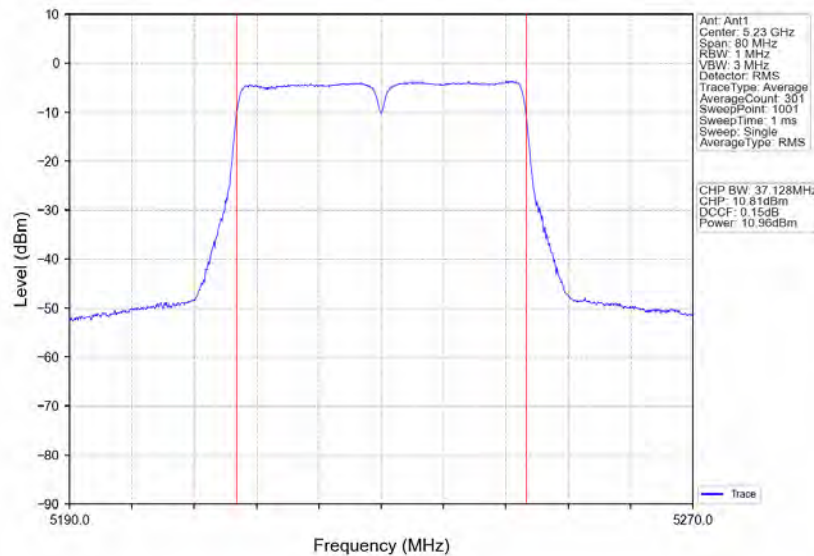
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



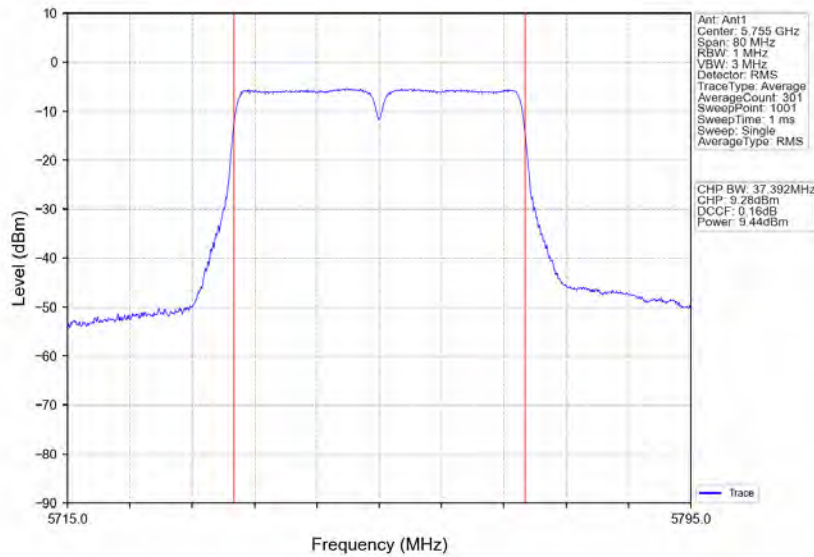
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



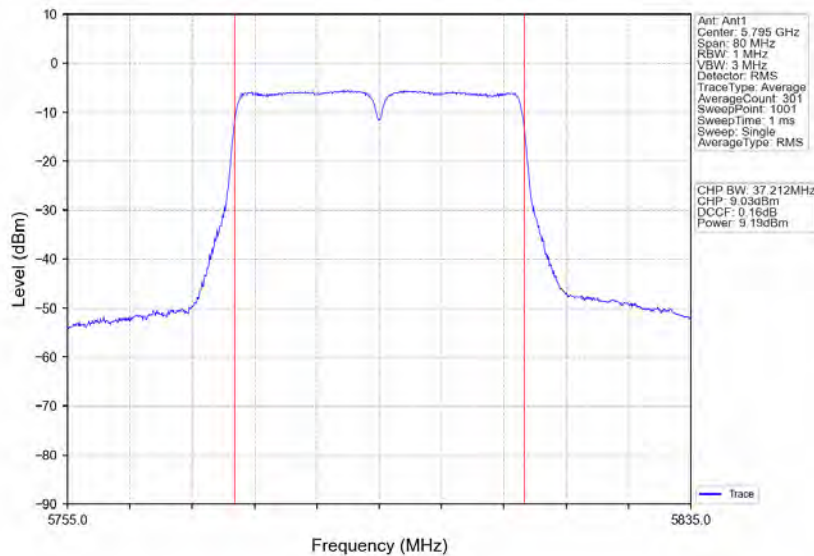
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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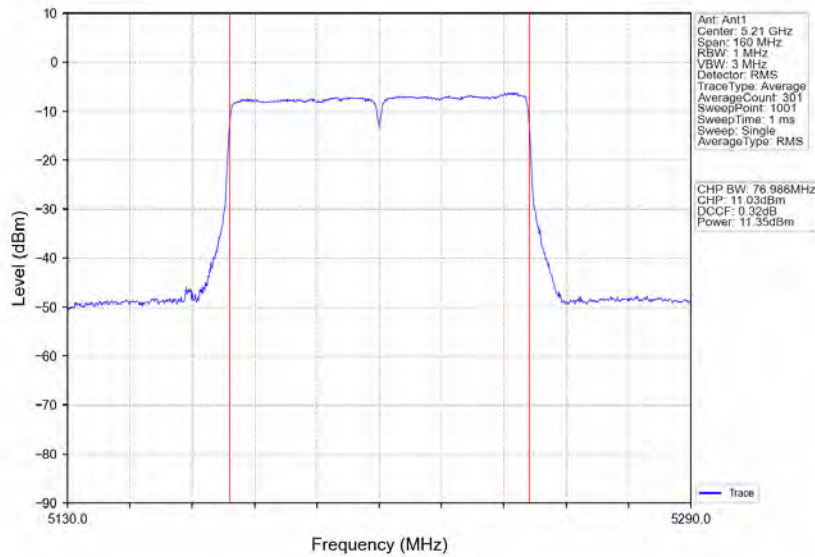
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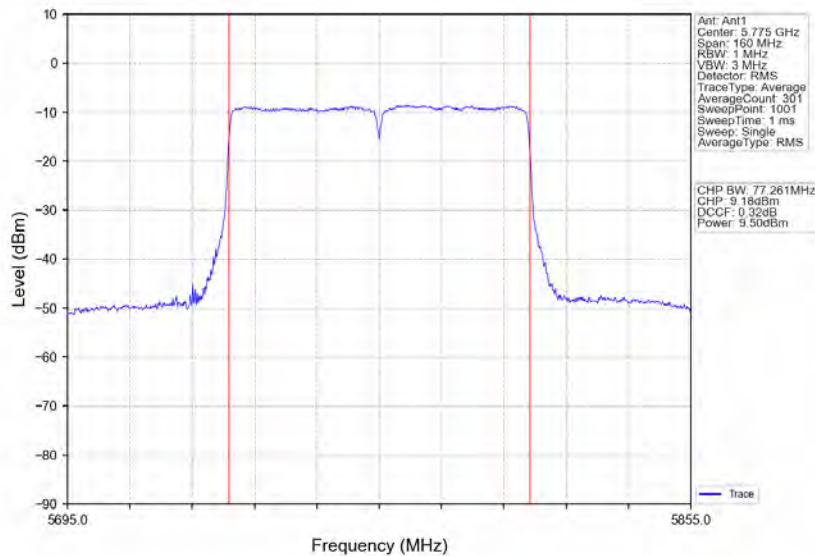
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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	0.22	<=11	Pass
		5200	0.21	<=11	Pass
		5240	-0.14	<=11	Pass
802.11n (HT20)	SISO	5180	0.11	<=11	Pass
		5200	-0.03	<=11	Pass
		5240	-0.38	<=11	Pass
802.11n (HT40)	SISO	5190	-2.97	<=11	Pass
		5230	-3.48	<=11	Pass
802.11ac (VHT20)	SISO	5180	-0.06	<=11	Pass
		5200	0.07	<=11	Pass
		5240	-0.37	<=11	Pass
802.11ac (VHT40)	SISO	5190	-3.15	<=11	Pass
		5230	-3.43	<=11	Pass
802.11ac (VHT80)	SISO	5210	-6.08	<=11	Pass

Note1: Band U-NII-1 Antenna Gain: 2.00dBi;

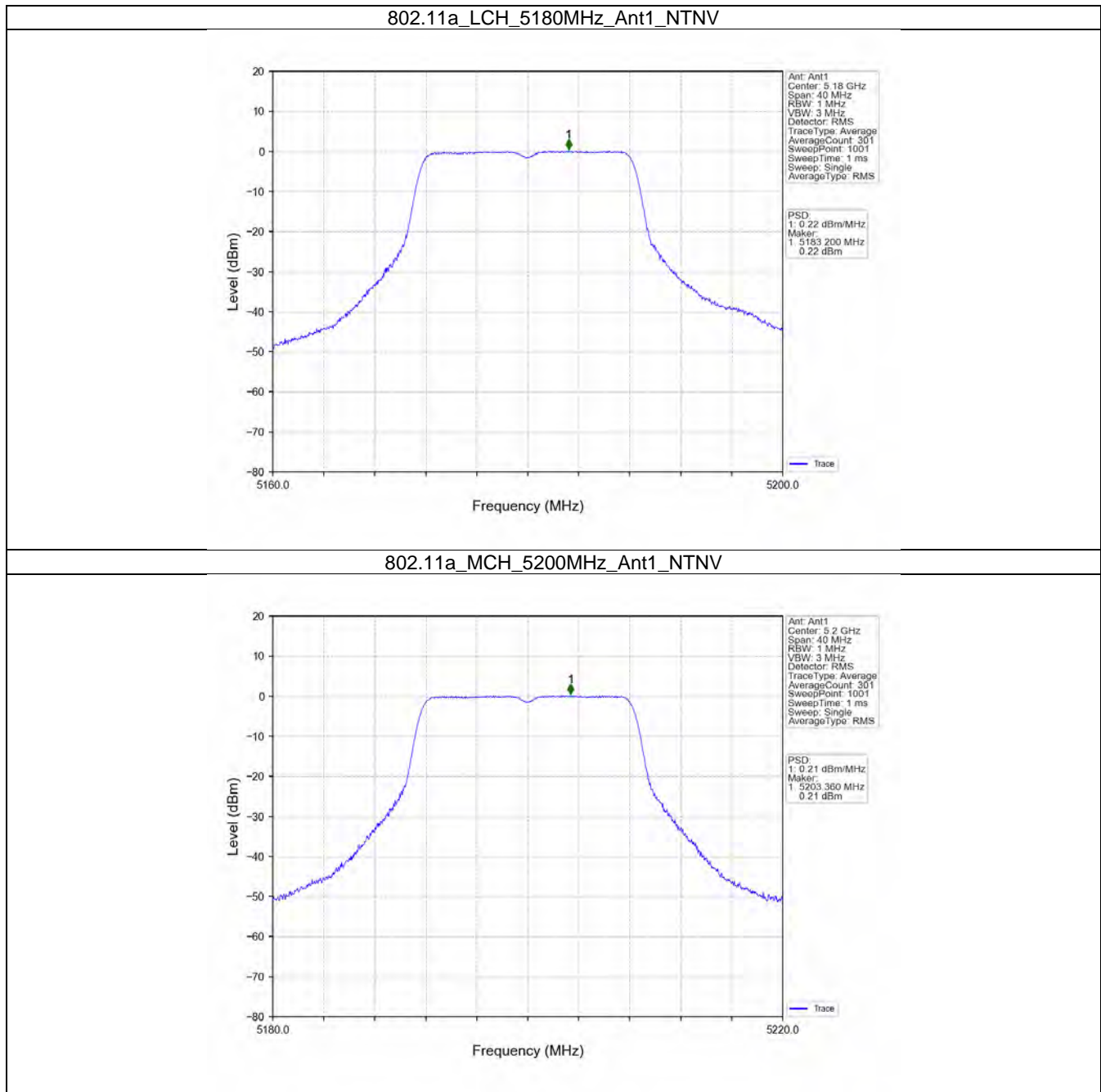


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4.1.2 Test Graph

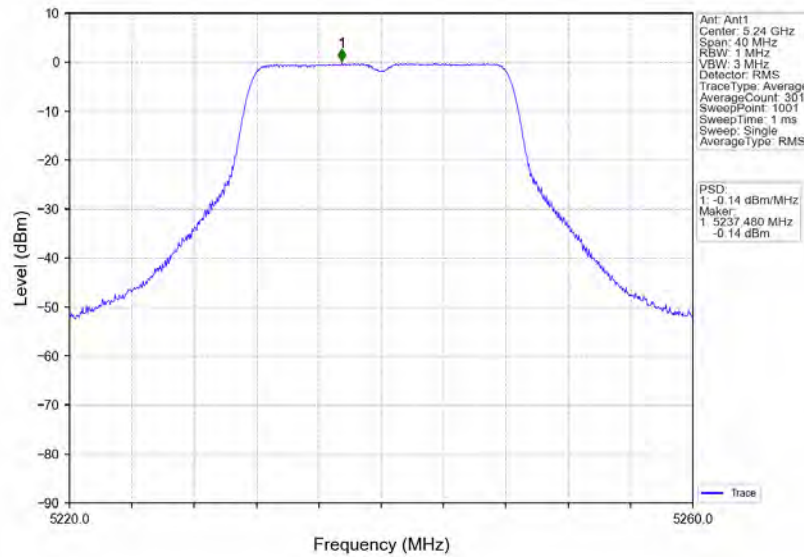


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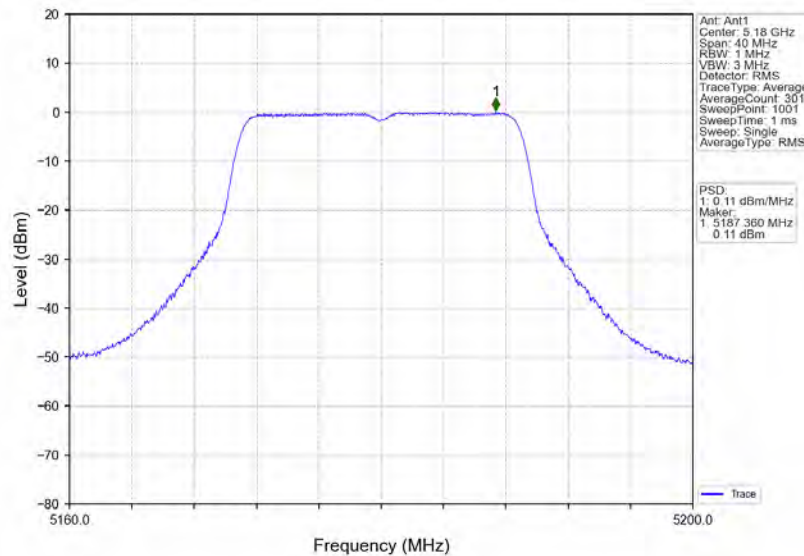
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



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



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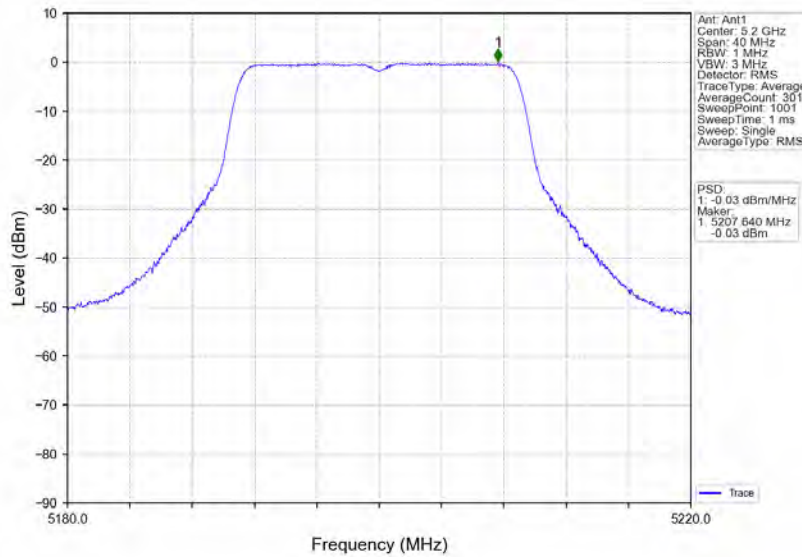
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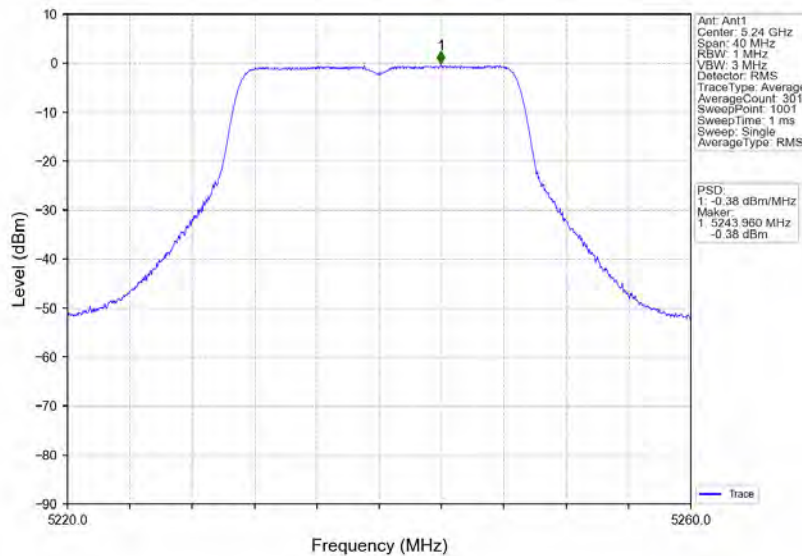
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



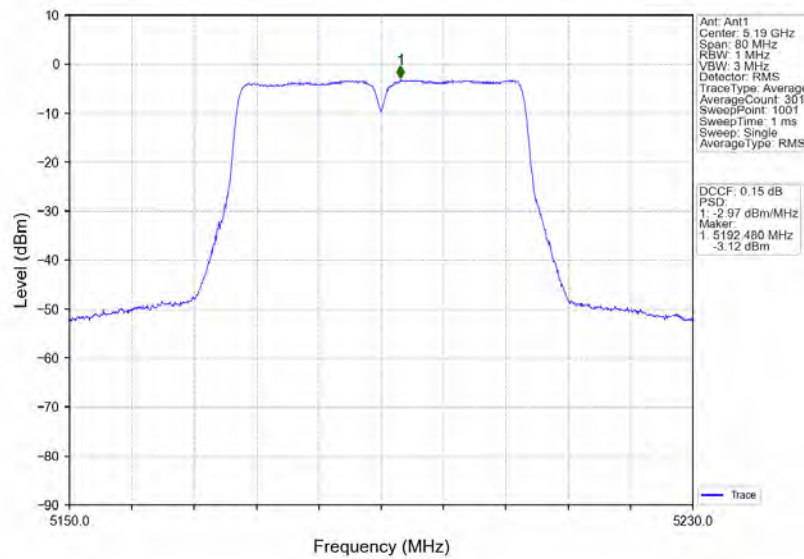
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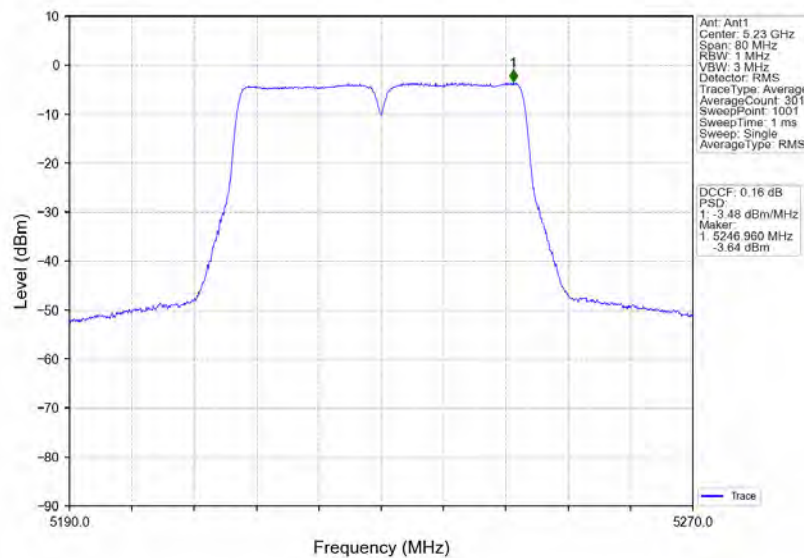
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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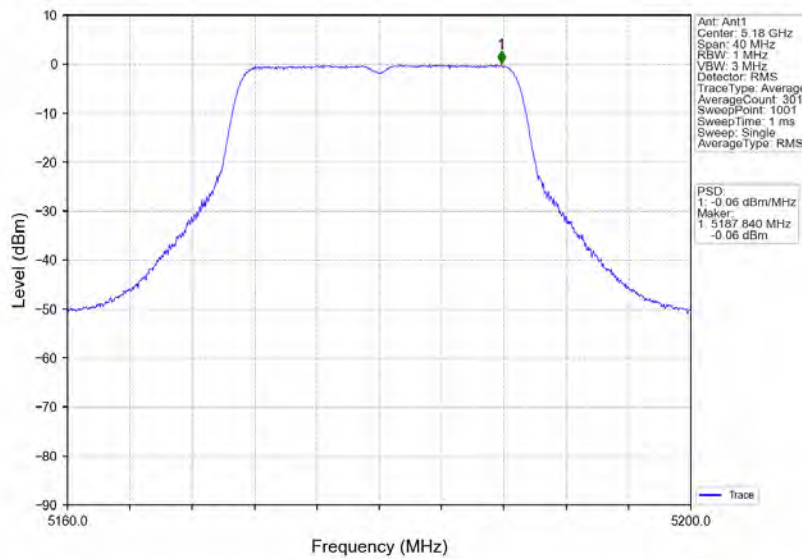
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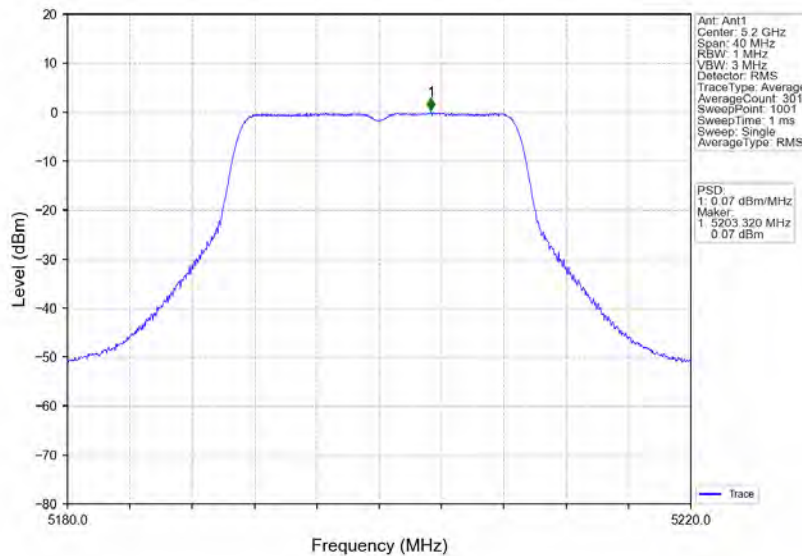
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



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



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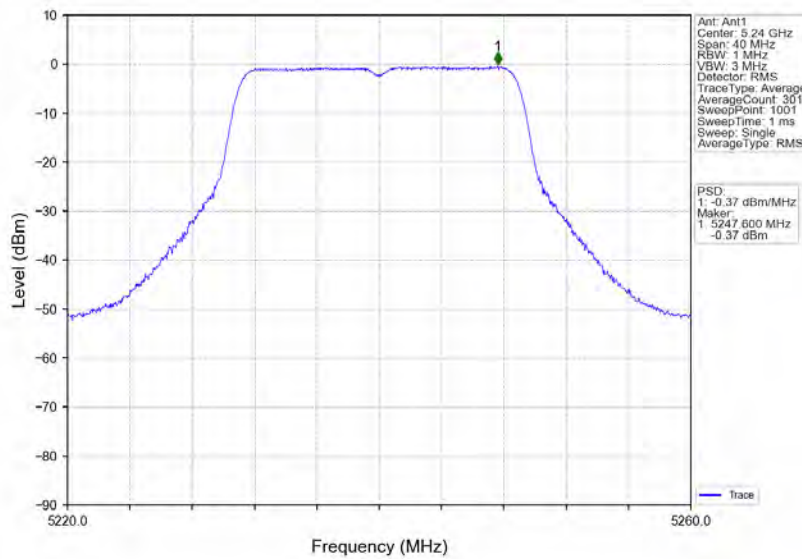
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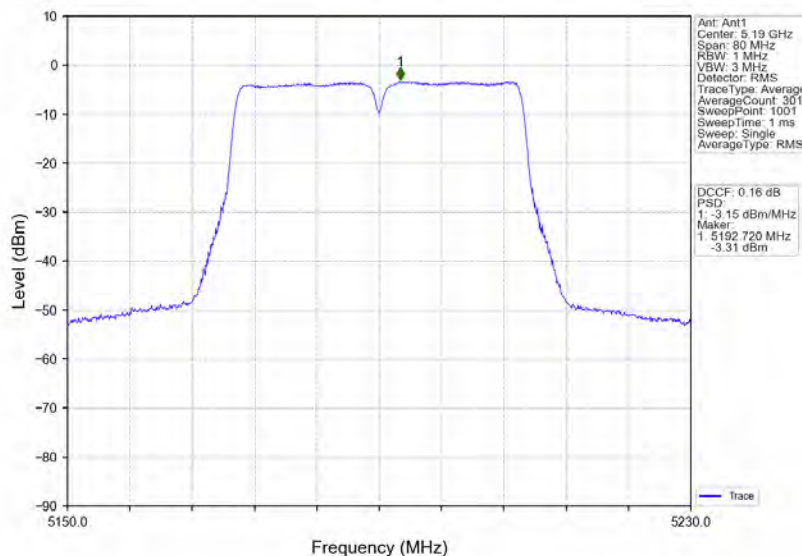
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



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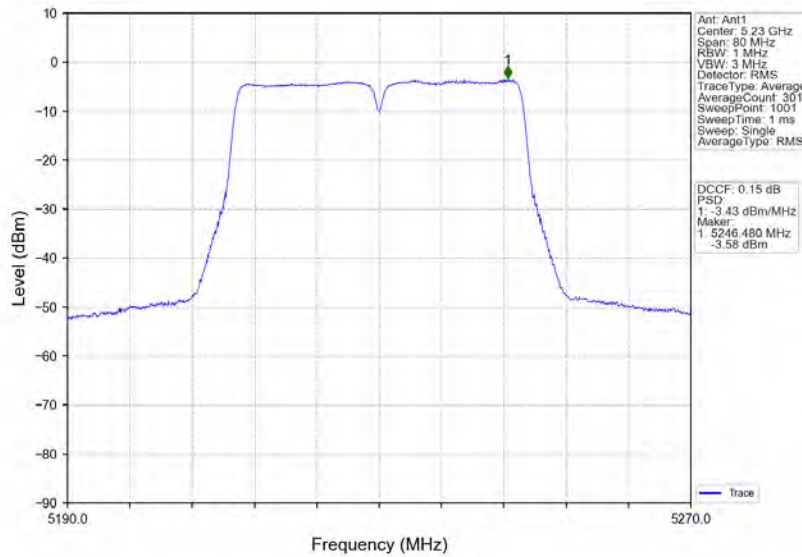
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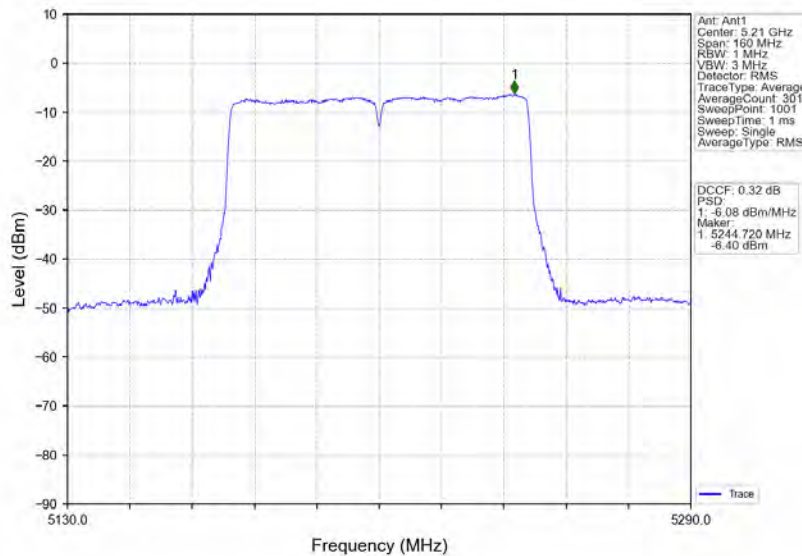
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_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	-4.22	<=30	Pass
		5785	-4.45	<=30	Pass
		5825	-5.16	<=30	Pass
802.11n (HT20)	SISO	5745	-4.62	<=30	Pass
		5785	-4.81	<=30	Pass
		5825	-5.71	<=30	Pass
802.11n (HT40)	SISO	5755	-7.95	<=30	Pass
		5795	-8.19	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.53	<=30	Pass
		5785	-4.81	<=30	Pass
		5825	-5.74	<=30	Pass
802.11ac (VHT40)	SISO	5755	-8.06	<=30	Pass
		5795	-8.21	<=30	Pass
802.11ac (VHT80)	SISO	5775	-11.13	<=30	Pass

Note1: Band U-NII-3 Antenna Gain: 2.30dBi;

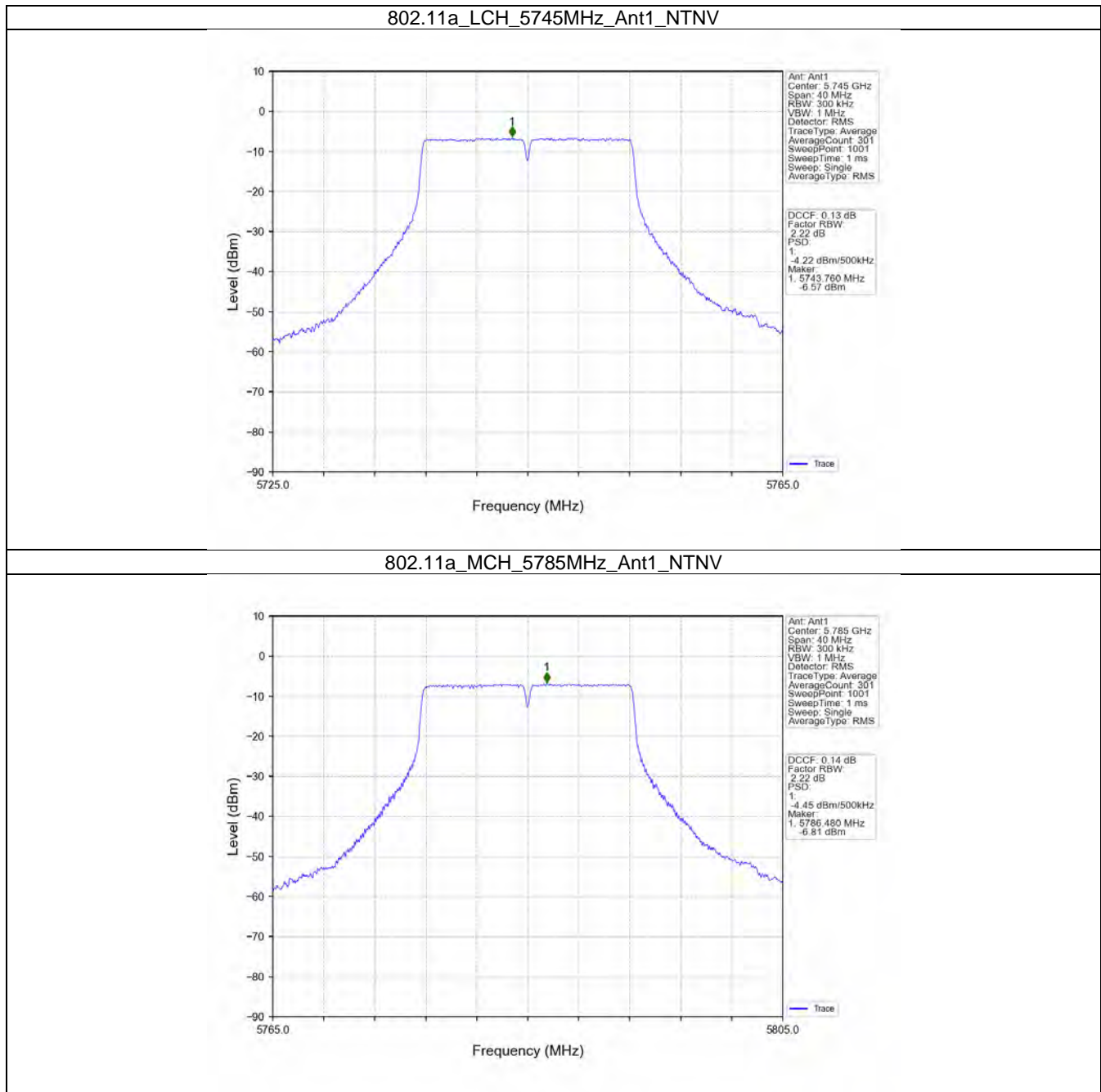


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4.2.2 Test Graph



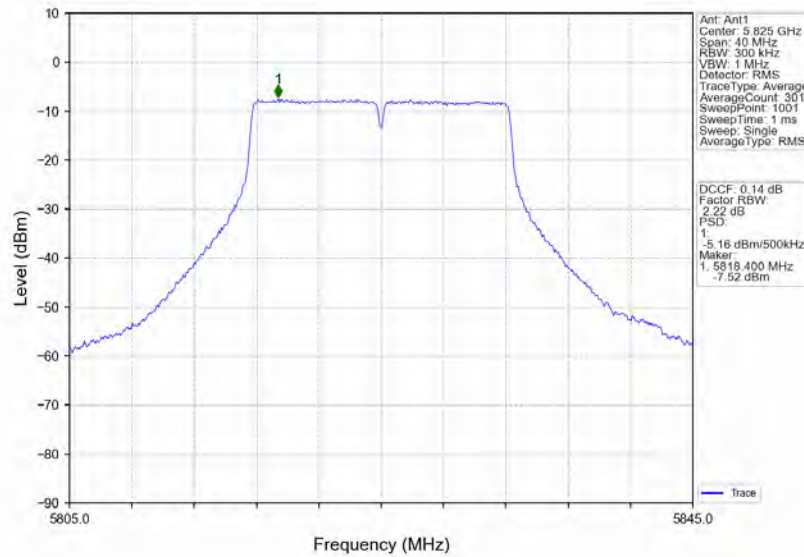
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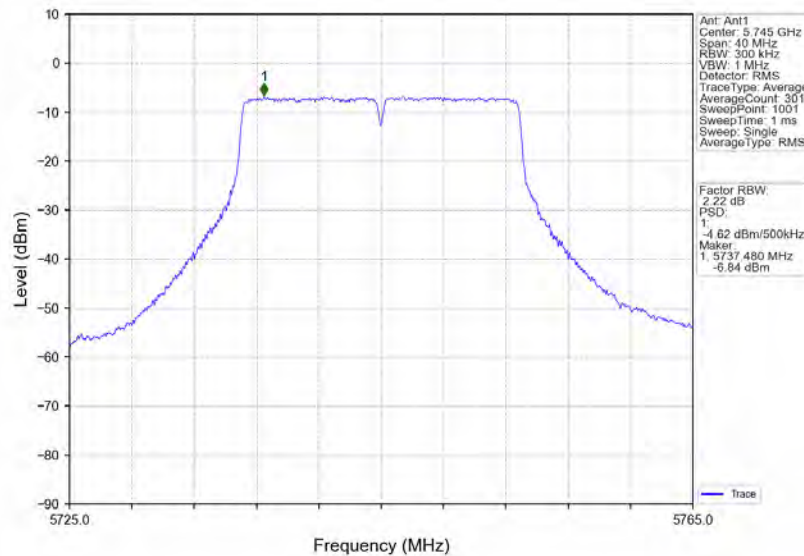
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



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



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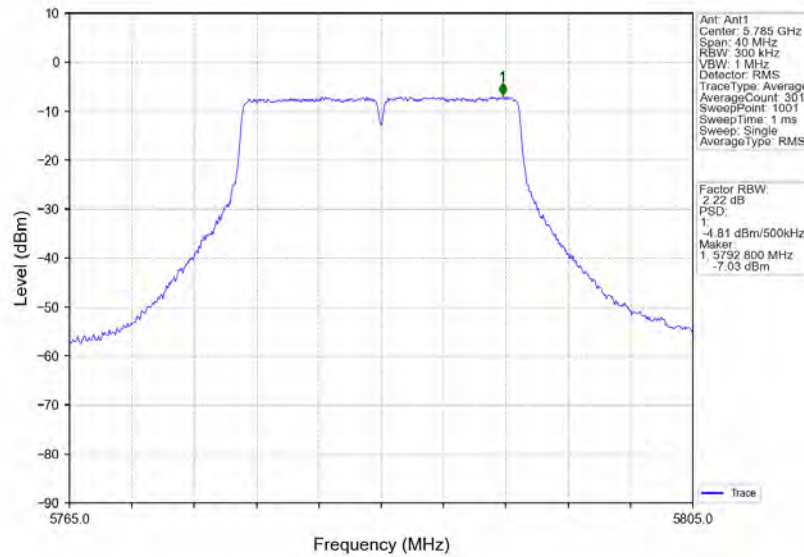
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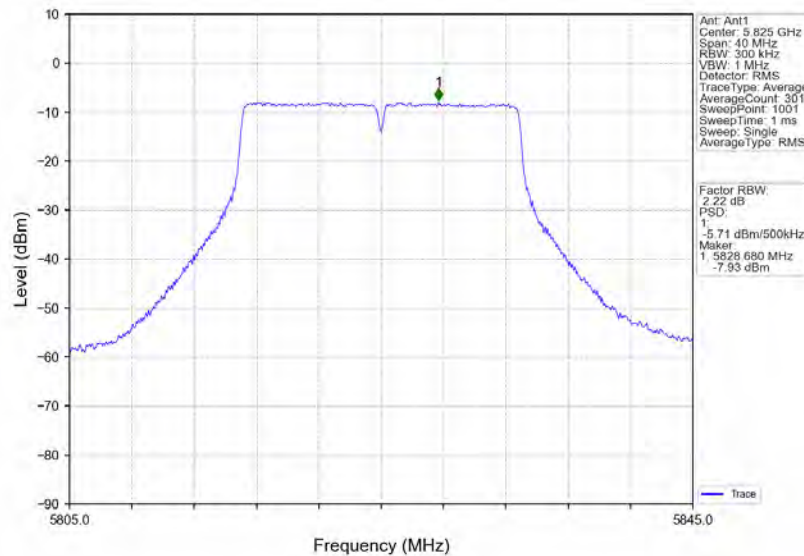
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



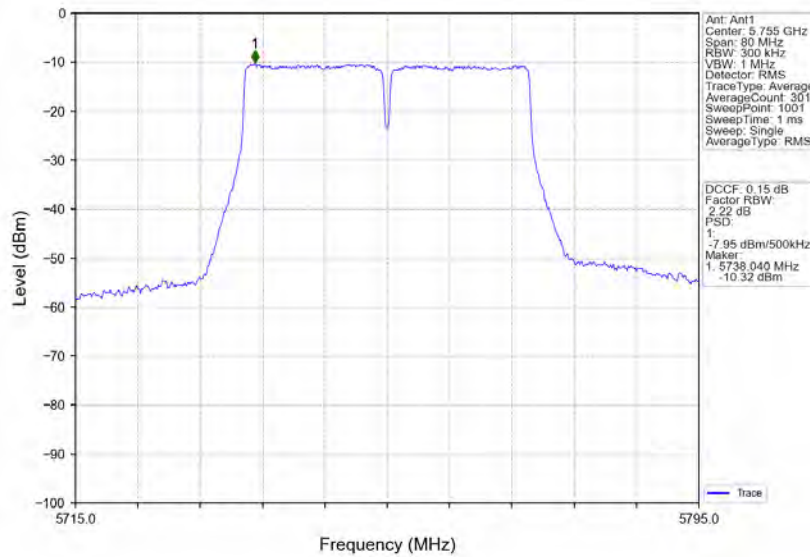
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



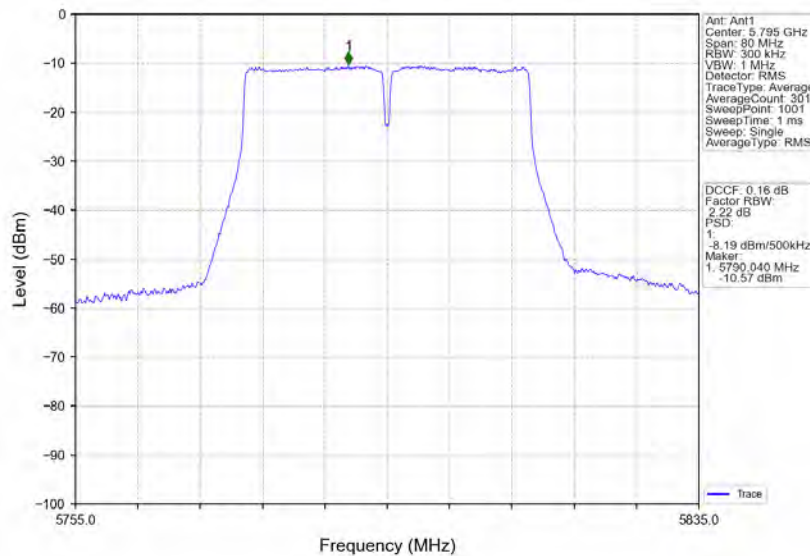
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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



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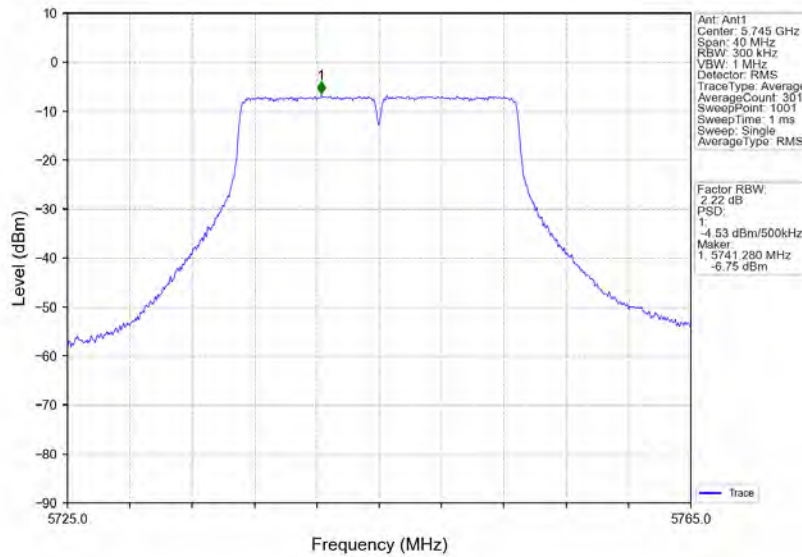
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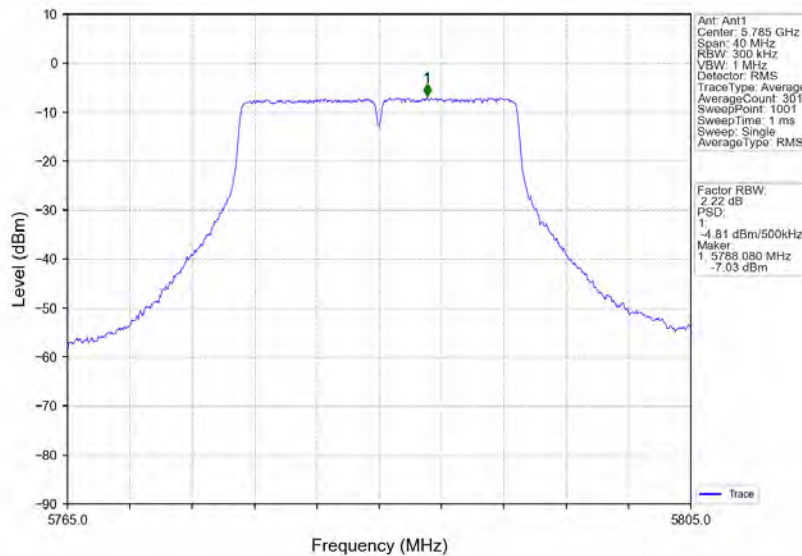
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



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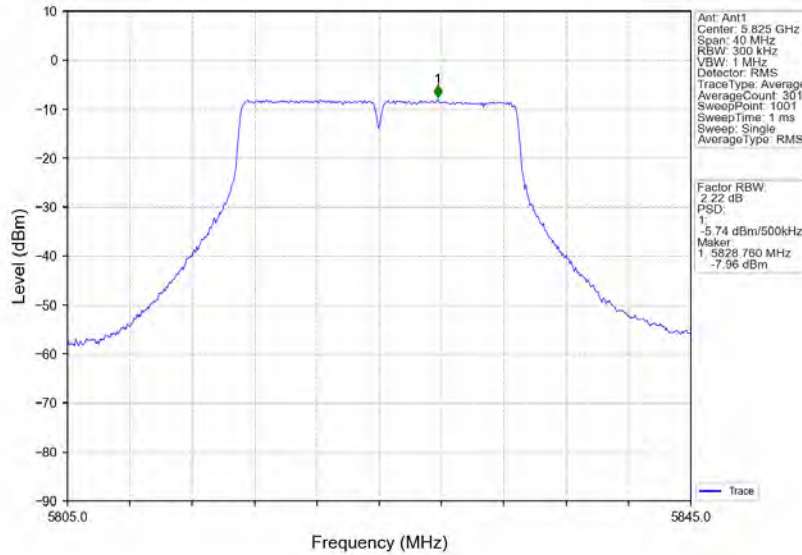
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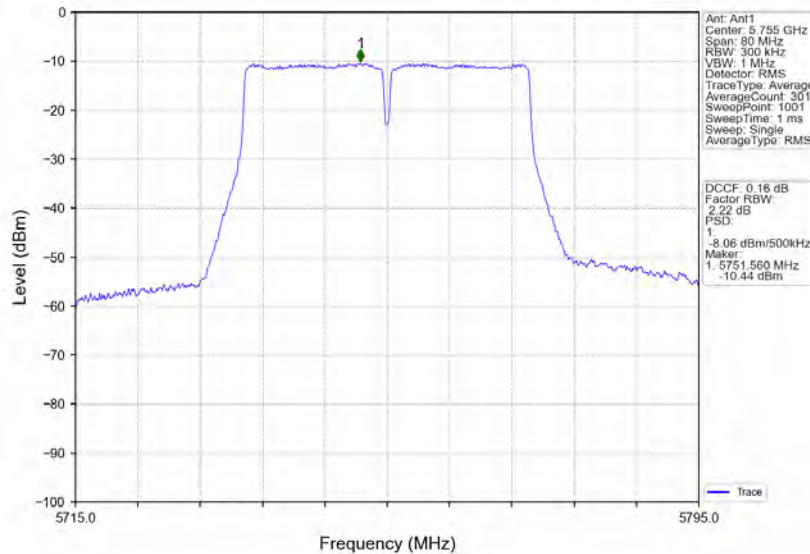
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



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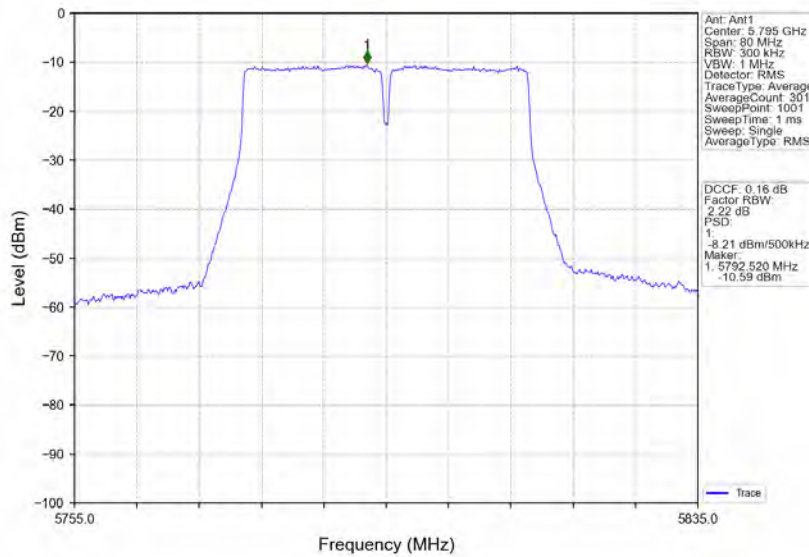
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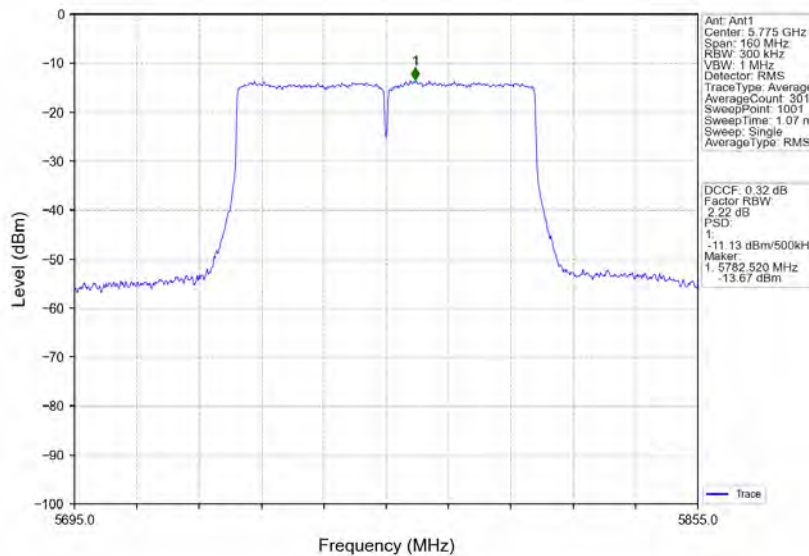
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



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 (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict	
802.11a	SISO	5180	20	6.12	5179.960	5150 to 5250	Pass	
				7.20	5179.940	5150 to 5250	Pass	
				8.28	5179.980	5150 to 5250	Pass	
			-30	7.20	5179.940	5150 to 5250	Pass	
				-20	7.20	5179.960	5150 to 5250	Pass
					7.20	5179.920	5150 to 5250	Pass
			0	7.20	5179.980	5150 to 5250	Pass	
				10	5179.980	5150 to 5250	Pass	
			30	5179.980	5150 to 5250	Pass		
		40	5179.980	5150 to 5250	Pass			
		50	5179.940	5150 to 5250	Pass			
		5200	20	6.12	5199.980	5150 to 5250	Pass	
				7.20	5199.940	5150 to 5250	Pass	
				8.28	5199.960	5150 to 5250	Pass	
			-30	7.20	5199.960	5150 to 5250	Pass	
				-20	7.20	5199.960	5150 to 5250	Pass
					7.20	5199.960	5150 to 5250	Pass
			0	7.20	5199.940	5150 to 5250	Pass	
				10	5199.940	5150 to 5250	Pass	
			30	5199.980	5150 to 5250	Pass		
		40	5200.020	5150 to 5250	Pass			
		50	5200.000	5150 to 5250	Pass			
		5240	20	6.12	5239.960	5150 to 5250	Pass	
				7.20	5240.000	5150 to 5250	Pass	
				8.28	5239.940	5150 to 5250	Pass	
			-30	7.20	5240.000	5150 to 5250	Pass	
				-20	7.20	5239.960	5150 to 5250	Pass
					7.20	5239.960	5150 to 5250	Pass
			0	7.20	5239.940	5150 to 5250	Pass	
				10	5239.920	5150 to 5250	Pass	
			30	5240.000	5150 to 5250	Pass		
		40	5240.040	5150 to 5250	Pass			
		50	5239.980	5150 to 5250	Pass			
		5745	20	6.12	5744.960	5725 to 5850	Pass	
				7.20	5744.920	5725 to 5850	Pass	
				8.28	5744.940	5725 to 5850	Pass	
-30	7.20		5744.940	5725 to 5850	Pass			
	-20		7.20	5744.940	5725 to 5850	Pass		
-10	7.20		5744.960	5725 to 5850	Pass			
0	7.20	5744.940	5725 to 5850	Pass				



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			10	7.20	5745.020	5725 to 5850	Pass		
			30	7.20	5745.000	5725 to 5850	Pass		
			40	7.20	5745.040	5725 to 5850	Pass		
			50	7.20	5744.980	5725 to 5850	Pass		
		5785	20	6.12	5784.940	5725 to 5850	Pass		
				7.20	5785.000	5725 to 5850	Pass		
				8.28	5784.960	5725 to 5850	Pass		
			-30	7.20	5784.940	5725 to 5850	Pass		
			-20	7.20	5784.980	5725 to 5850	Pass		
			-10	7.20	5784.960	5725 to 5850	Pass		
			0	7.20	5784.980	5725 to 5850	Pass		
			10	7.20	5784.980	5725 to 5850	Pass		
			30	7.20	5784.940	5725 to 5850	Pass		
			40	7.20	5784.960	5725 to 5850	Pass		
			50	7.20	5784.920	5725 to 5850	Pass		
			5825	20	6.12	5824.960	5725 to 5850	Pass	
		7.20			5825.040	5725 to 5850	Pass		
		8.28			5824.920	5725 to 5850	Pass		
		-30		7.20	5824.960	5725 to 5850	Pass		
		-20		7.20	5824.960	5725 to 5850	Pass		
		-10		7.20	5824.980	5725 to 5850	Pass		
		0		7.20	5824.960	5725 to 5850	Pass		
		10		7.20	5825.020	5725 to 5850	Pass		
		30		7.20	5824.920	5725 to 5850	Pass		
		40		7.20	5824.960	5725 to 5850	Pass		
		50		7.20	5825.000	5725 to 5850	Pass		
		802.11n (HT20)		SISO	5180	20	6.12	5179.940	5150 to 5250
			7.20				5179.980	5150 to 5250	Pass
			8.28				5180.020	5150 to 5250	Pass
			-30			7.20	5179.980	5150 to 5250	Pass
			-20			7.20	5179.980	5150 to 5250	Pass
			-10			7.20	5179.960	5150 to 5250	Pass
0	7.20		5179.940			5150 to 5250	Pass		
10	7.20		5179.980			5150 to 5250	Pass		
30	7.20		5179.980		5150 to 5250	Pass			
40	7.20		5179.980		5150 to 5250	Pass			
50	7.20		5180.020		5150 to 5250	Pass			
5200	20		6.12		5200.020	5150 to 5250	Pass		
			7.20	5200.000	5150 to 5250	Pass			
			8.28	5200.000	5150 to 5250	Pass			
	-30		7.20	5199.980	5150 to 5250	Pass			
	-20		7.20	5200.000	5150 to 5250	Pass			
	-10		7.20	5200.000	5150 to 5250	Pass			
	0		7.20	5200.020	5150 to 5250	Pass			
	10		7.20	5200.020	5150 to 5250	Pass			
	30		7.20	5199.980	5150 to 5250	Pass			
	40		7.20	5199.960	5150 to 5250	Pass			
	50		7.20	5199.940	5150 to 5250	Pass			
	5240		20	6.12	5239.980	5150 to 5250	Pass		
7.20				5240.020	5150 to 5250	Pass			
8.28		5239.980		5150 to 5250	Pass				



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			-30	7.20	5240.000	5150 to 5250	Pass	
			-20	7.20	5239.940	5150 to 5250	Pass	
			-10	7.20	5239.980	5150 to 5250	Pass	
			0	7.20	5240.000	5150 to 5250	Pass	
			10	7.20	5239.960	5150 to 5250	Pass	
			30	7.20	5240.000	5150 to 5250	Pass	
			40	7.20	5239.960	5150 to 5250	Pass	
			50	7.20	5239.960	5150 to 5250	Pass	
		5745	20	6.12	5744.920	5725 to 5850	Pass	
				7.20	5744.980	5725 to 5850	Pass	
				8.28	5744.960	5725 to 5850	Pass	
			-30	7.20	5744.980	5725 to 5850	Pass	
			-20	7.20	5744.920	5725 to 5850	Pass	
			-10	7.20	5744.940	5725 to 5850	Pass	
			0	7.20	5745.000	5725 to 5850	Pass	
			10	7.20	5744.960	5725 to 5850	Pass	
			30	7.20	5745.000	5725 to 5850	Pass	
			40	7.20	5744.940	5725 to 5850	Pass	
			50	7.20	5744.940	5725 to 5850	Pass	
			5785	20	6.12	5785.020	5725 to 5850	Pass
					7.20	5784.980	5725 to 5850	Pass
					8.28	5784.940	5725 to 5850	Pass
		-30		7.20	5784.980	5725 to 5850	Pass	
		-20		7.20	5784.920	5725 to 5850	Pass	
		-10		7.20	5784.960	5725 to 5850	Pass	
		0		7.20	5784.940	5725 to 5850	Pass	
		10		7.20	5785.000	5725 to 5850	Pass	
		30		7.20	5784.960	5725 to 5850	Pass	
		40		7.20	5785.020	5725 to 5850	Pass	
		50		7.20	5784.960	5725 to 5850	Pass	
		5825		20	6.12	5824.920	5725 to 5850	Pass
					7.20	5824.940	5725 to 5850	Pass
					8.28	5824.940	5725 to 5850	Pass
			-30	7.20	5824.980	5725 to 5850	Pass	
			-20	7.20	5824.940	5725 to 5850	Pass	
			-10	7.20	5825.000	5725 to 5850	Pass	
			0	7.20	5824.940	5725 to 5850	Pass	
			10	7.20	5824.980	5725 to 5850	Pass	
			30	7.20	5824.900	5725 to 5850	Pass	
			40	7.20	5824.920	5725 to 5850	Pass	
			50	7.20	5825.040	5725 to 5850	Pass	
			802.11n (HT40)	20	6.12	5189.960	5150 to 5250	Pass
	SISO				7.20	5189.880	5150 to 5250	Pass
					8.28	5190.040	5150 to 5250	Pass
		-30		7.20	5190.000	5150 to 5250	Pass	
		-20		7.20	5190.000	5150 to 5250	Pass	
		-10		7.20	5189.960	5150 to 5250	Pass	
		0		7.20	5189.960	5150 to 5250	Pass	
		10		7.20	5190.040	5150 to 5250	Pass	
		30		7.20	5189.960	5150 to 5250	Pass	
		40		7.20	5190.000	5150 to 5250	Pass	
		5190						

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Compliance Certification Services (Kunshan) Inc.  
EMC Laboratory



		5230	50	7.20	5190.000	5150 to 5250	Pass		
			20	6.12	5229.960	5150 to 5250	Pass		
				7.20	5229.960	5150 to 5250	Pass		
				8.28	5230.080	5150 to 5250	Pass		
			-30	7.20	5229.960	5150 to 5250	Pass		
			-20	7.20	5230.000	5150 to 5250	Pass		
			-10	7.20	5230.000	5150 to 5250	Pass		
			0	7.20	5230.040	5150 to 5250	Pass		
			10	7.20	5229.960	5150 to 5250	Pass		
			30	7.20	5229.960	5150 to 5250	Pass		
		40	7.20	5230.000	5150 to 5250	Pass			
		50	7.20	5230.000	5150 to 5250	Pass			
		5755	20	6.12	5754.960	5725 to 5850	Pass		
				7.20	5754.920	5725 to 5850	Pass		
				8.28	5754.920	5725 to 5850	Pass		
			-30	7.20	5754.960	5725 to 5850	Pass		
			-20	7.20	5754.920	5725 to 5850	Pass		
			-10	7.20	5754.920	5725 to 5850	Pass		
			0	7.20	5755.000	5725 to 5850	Pass		
			10	7.20	5754.920	5725 to 5850	Pass		
			30	7.20	5754.920	5725 to 5850	Pass		
			40	7.20	5754.880	5725 to 5850	Pass		
		50	7.20	5755.040	5725 to 5850	Pass			
		5795	20	6.12	5795.000	5725 to 5850	Pass		
				7.20	5794.960	5725 to 5850	Pass		
				8.28	5794.960	5725 to 5850	Pass		
			-30	7.20	5794.920	5725 to 5850	Pass		
			-20	7.20	5795.000	5725 to 5850	Pass		
			-10	7.20	5795.000	5725 to 5850	Pass		
			0	7.20	5794.960	5725 to 5850	Pass		
			10	7.20	5794.960	5725 to 5850	Pass		
			30	7.20	5794.960	5725 to 5850	Pass		
			40	7.20	5795.000	5725 to 5850	Pass		
		50	7.20	5794.920	5725 to 5850	Pass			
		802.11ac (VHT20)	SISO	5180	20	6.12	5179.960	5150 to 5250	Pass
						7.20	5179.920	5150 to 5250	Pass
8.28	5179.980					5150 to 5250	Pass		
-30	7.20				5180.000	5150 to 5250	Pass		
-20	7.20				5179.960	5150 to 5250	Pass		
-10	7.20				5179.980	5150 to 5250	Pass		
0	7.20				5180.040	5150 to 5250	Pass		
10	7.20				5180.000	5150 to 5250	Pass		
30	7.20				5180.000	5150 to 5250	Pass		
40	7.20				5179.980	5150 to 5250	Pass		
50	7.20			5179.980	5150 to 5250	Pass			
5200	20			6.12	5199.980	5150 to 5250	Pass		
				7.20	5200.000	5150 to 5250	Pass		
				8.28	5200.000	5150 to 5250	Pass		
	-30			7.20	5200.000	5150 to 5250	Pass		
	-20			7.20	5200.020	5150 to 5250	Pass		
	-10			7.20	5200.000	5150 to 5250	Pass		

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Compliance Certification Services (Kunshan) Inc.  
EMC Laboratory

			0	7.20	5199.980	5150 to 5250	Pass		
			10	7.20	5200.000	5150 to 5250	Pass		
			30	7.20	5200.000	5150 to 5250	Pass		
			40	7.20	5199.980	5150 to 5250	Pass		
			50	7.20	5199.960	5150 to 5250	Pass		
			5240	20	6.12	5240.000	5150 to 5250	Pass	
					7.20	5240.020	5150 to 5250	Pass	
					8.28	5240.020	5150 to 5250	Pass	
				-30	7.20	5240.020	5150 to 5250	Pass	
				-20	7.20	5239.960	5150 to 5250	Pass	
				-10	7.20	5240.000	5150 to 5250	Pass	
				0	7.20	5240.000	5150 to 5250	Pass	
				10	7.20	5240.000	5150 to 5250	Pass	
				30	7.20	5239.980	5150 to 5250	Pass	
				40	7.20	5240.000	5150 to 5250	Pass	
				50	7.20	5240.020	5150 to 5250	Pass	
				5745	20	6.12	5744.940	5725 to 5850	Pass
						7.20	5744.960	5725 to 5850	Pass
			8.28			5744.980	5725 to 5850	Pass	
			-30		7.20	5744.980	5725 to 5850	Pass	
			-20		7.20	5745.020	5725 to 5850	Pass	
			-10		7.20	5744.940	5725 to 5850	Pass	
			0		7.20	5745.000	5725 to 5850	Pass	
			10		7.20	5744.980	5725 to 5850	Pass	
			30		7.20	5744.960	5725 to 5850	Pass	
			40		7.20	5744.980	5725 to 5850	Pass	
			50		7.20	5744.960	5725 to 5850	Pass	
			5785		20	6.12	5785.000	5725 to 5850	Pass
						7.20	5785.040	5725 to 5850	Pass
				8.28		5784.960	5725 to 5850	Pass	
				-30	7.20	5784.940	5725 to 5850	Pass	
				-20	7.20	5785.000	5725 to 5850	Pass	
				-10	7.20	5784.960	5725 to 5850	Pass	
				0	7.20	5784.960	5725 to 5850	Pass	
				10	7.20	5784.980	5725 to 5850	Pass	
				30	7.20	5784.960	5725 to 5850	Pass	
				40	7.20	5784.960	5725 to 5850	Pass	
				50	7.20	5784.960	5725 to 5850	Pass	
				5825	20	6.12	5825.000	5725 to 5850	Pass
						7.20	5824.960	5725 to 5850	Pass
			8.28			5824.960	5725 to 5850	Pass	
			-30		7.20	5824.960	5725 to 5850	Pass	
			-20		7.20	5824.980	5725 to 5850	Pass	
			-10		7.20	5824.980	5725 to 5850	Pass	
			0		7.20	5824.980	5725 to 5850	Pass	
			10		7.20	5825.020	5725 to 5850	Pass	
			30		7.20	5824.960	5725 to 5850	Pass	
			40		7.20	5824.960	5725 to 5850	Pass	
			50		7.20	5824.980	5725 to 5850	Pass	
			802.11ac (VHT40)		SISO	5190	20	6.12	5190.000
					7.20	5190.000	5150 to 5250	Pass	



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			8.28	5190.000	5150 to 5250	Pass	
			-30	7.20	5190.000	5150 to 5250	Pass
			-20	7.20	5190.000	5150 to 5250	Pass
			-10	7.20	5189.960	5150 to 5250	Pass
			0	7.20	5189.960	5150 to 5250	Pass
			10	7.20	5190.000	5150 to 5250	Pass
			30	7.20	5190.000	5150 to 5250	Pass
			40	7.20	5190.040	5150 to 5250	Pass
			50	7.20	5190.040	5150 to 5250	Pass
			5230	20	6.12	5229.960	5150 to 5250
		7.20			5229.920	5150 to 5250	Pass
		8.28			5229.920	5150 to 5250	Pass
		-30		7.20	5229.960	5150 to 5250	Pass
		-20		7.20	5229.960	5150 to 5250	Pass
		-10		7.20	5229.960	5150 to 5250	Pass
		0		7.20	5229.920	5150 to 5250	Pass
		10		7.20	5229.960	5150 to 5250	Pass
		30		7.20	5230.000	5150 to 5250	Pass
		40		7.20	5230.040	5150 to 5250	Pass
		50	7.20	5230.000	5150 to 5250	Pass	
		5755	20	6.12	5755.000	5725 to 5850	Pass
				7.20	5754.960	5725 to 5850	Pass
				8.28	5754.960	5725 to 5850	Pass
			-30	7.20	5754.920	5725 to 5850	Pass
			-20	7.20	5754.960	5725 to 5850	Pass
			-10	7.20	5754.960	5725 to 5850	Pass
			0	7.20	5754.960	5725 to 5850	Pass
			10	7.20	5754.960	5725 to 5850	Pass
			30	7.20	5754.960	5725 to 5850	Pass
			40	7.20	5754.960	5725 to 5850	Pass
		50	7.20	5754.960	5725 to 5850	Pass	
		5795	20	6.12	5794.960	5725 to 5850	Pass
				7.20	5794.960	5725 to 5850	Pass
				8.28	5794.880	5725 to 5850	Pass
			-30	7.20	5795.000	5725 to 5850	Pass
			-20	7.20	5794.920	5725 to 5850	Pass
			-10	7.20	5794.920	5725 to 5850	Pass
			0	7.20	5794.880	5725 to 5850	Pass
			10	7.20	5795.040	5725 to 5850	Pass
			30	7.20	5795.040	5725 to 5850	Pass
			40	7.20	5794.880	5725 to 5850	Pass
		50	7.20	5795.000	5725 to 5850	Pass	
802.11ac (VHT80)	SISO	5210	6.12	5210.000	5150 to 5250	Pass	
			7.20	5210.000	5150 to 5250	Pass	
			8.28	5209.925	5150 to 5250	Pass	
			-30	7.20	5210.000	5150 to 5250	Pass
			-20	7.20	5210.075	5150 to 5250	Pass
			-10	7.20	5210.000	5150 to 5250	Pass
			0	7.20	5210.000	5150 to 5250	Pass
			10	7.20	5209.925	5150 to 5250	Pass
			30	7.20	5210.000	5150 to 5250	Pass



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		5775	40	7.20	5210.075	5150 to 5250	Pass
			50	7.20	5210.075	5150 to 5250	Pass
			20	6.12	5774.850	5725 to 5850	Pass
				7.20	5774.925	5725 to 5850	Pass
				8.28	5774.850	5725 to 5850	Pass
			-30	7.20	5774.850	5725 to 5850	Pass
			-20	7.20	5774.925	5725 to 5850	Pass
			-10	7.20	5774.850	5725 to 5850	Pass
			0	7.20	5774.850	5725 to 5850	Pass
			10	7.20	5774.925	5725 to 5850	Pass
			30	7.20	5774.850	5725 to 5850	Pass
			40	7.20	5775.000	5725 to 5850	Pass
			50	7.20	5775.000	5725 to 5850	Pass



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