

Appendix D for KSCR220100003504-5G-MT7668

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	1.392	1.490	93.42	0.30	0.03
		5200	1.391	1.490	93.36	0.30	0.03
		5240	1.392	1.491	93.36	0.30	0.00
		5745	1.391	1.490	93.36	0.30	0.00
		5785	1.391	1.490	93.36	0.30	0.00
		5825	1.392	1.491	93.36	0.30	0.03
802.11n (HT20)	MIMO	5180	1.300	1.398	92.99	0.32	0.03
		5200	1.300	1.398	92.99	0.32	0.00
		5240	1.300	1.399	92.92	0.32	0.00
		5745	1.300	1.398	92.99	0.32	0.03
		5785	1.300	1.398	92.99	0.32	0.03
		5825	1.300	1.398	92.99	0.32	0.00
802.11n (HT40)	MIMO	5190	0.648	0.746	86.86	0.61	0.03
		5230	0.648	0.746	86.86	0.61	0.04
		5755	0.648	0.746	86.86	0.61	0.03
		5795	0.648	0.746	86.86	0.61	0.03
802.11ac (VHT20)	MIMO	5180	1.312	1.411	92.98	0.32	0.03
		5200	1.312	1.410	93.05	0.31	0.03
		5240	1.312	1.410	93.05	0.31	0.00
		5745	1.312	1.410	93.05	0.31	0.03
		5785	1.312	1.410	93.05	0.31	0.00
		5825	1.312	1.411	92.98	0.32	0.06
802.11ac (VHT40)	MIMO	5190	0.652	0.750	86.93	0.61	0.03
		5230	0.652	0.750	86.93	0.61	0.03
		5755	0.652	0.750	86.93	0.61	0.04
		5795	0.652	0.751	86.82	0.61	0.04
802.11ac (VHT80)	MIMO	5210	0.325	0.423	76.83	1.14	0.06
		5775	0.324	0.423	76.60	1.16	0.04



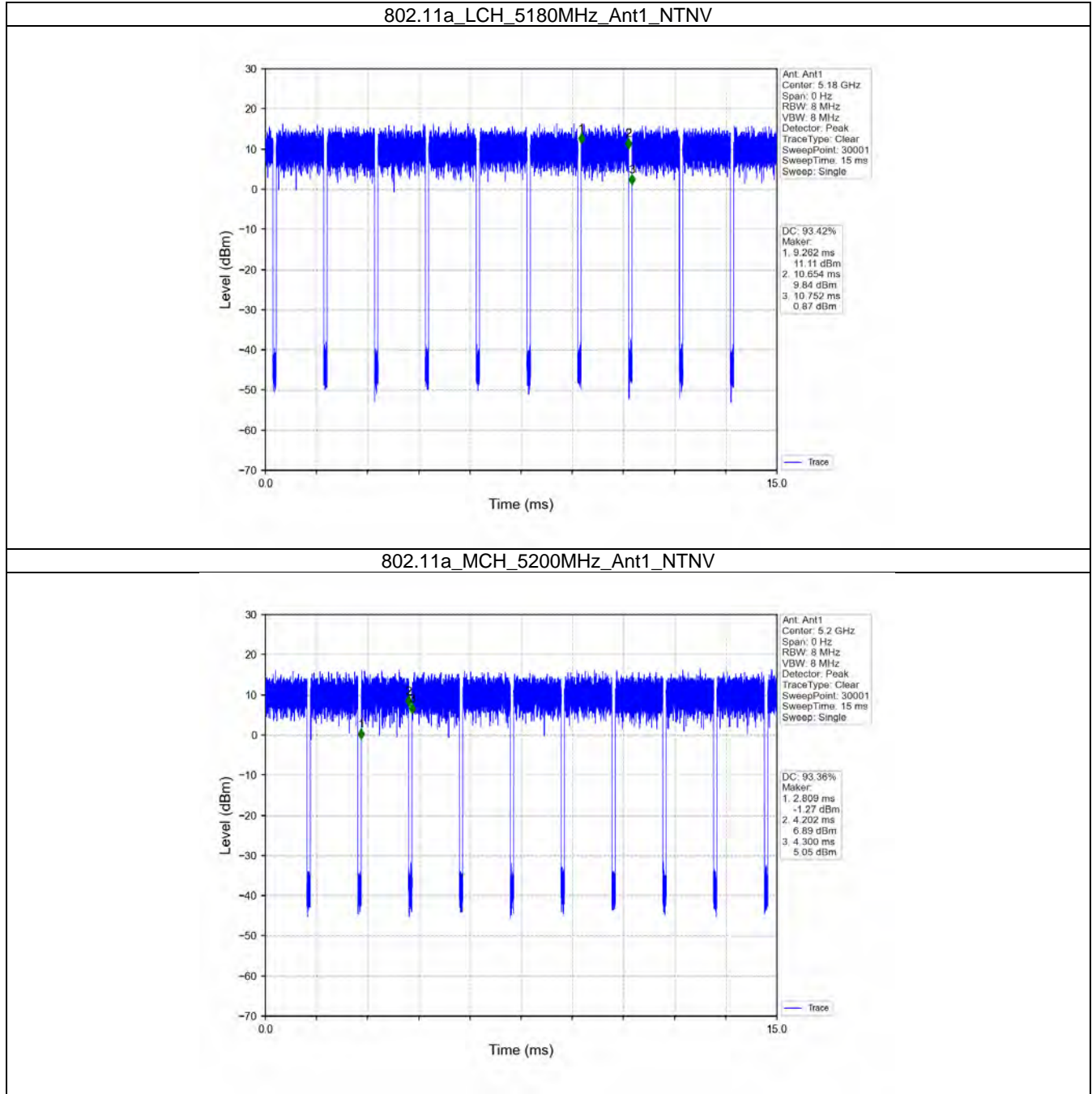
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1.1.2 Test Graph

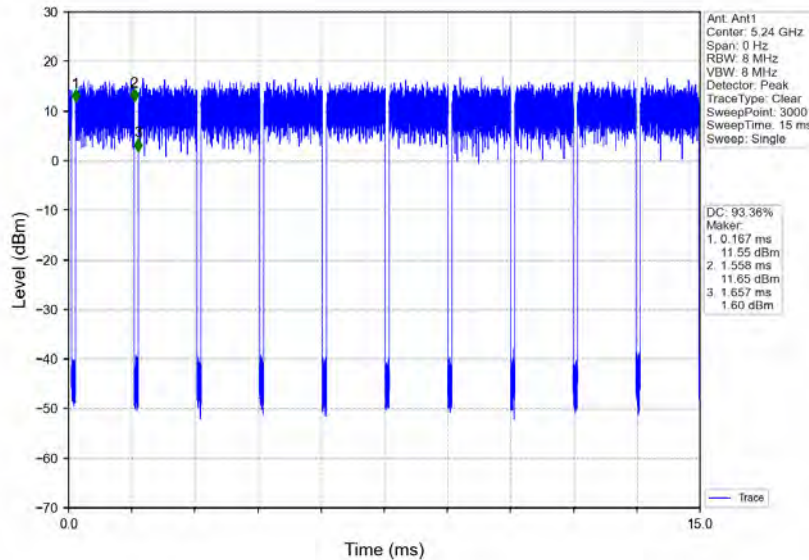


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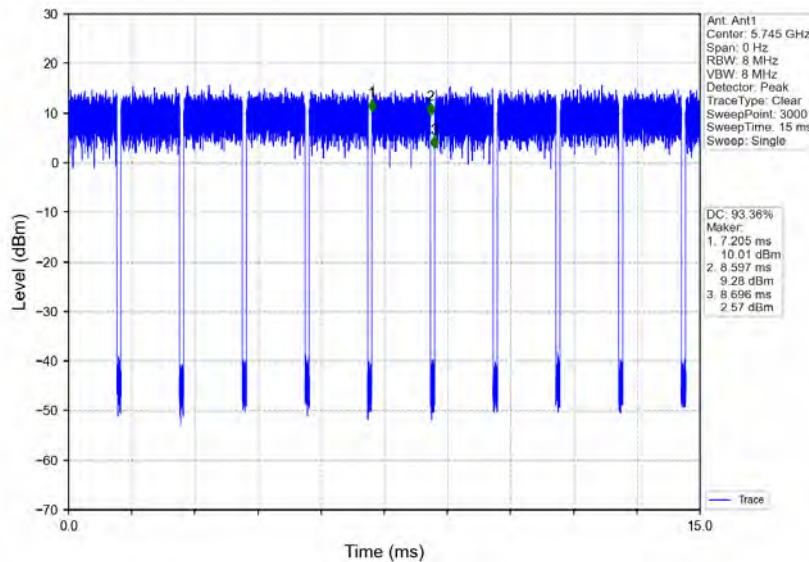
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



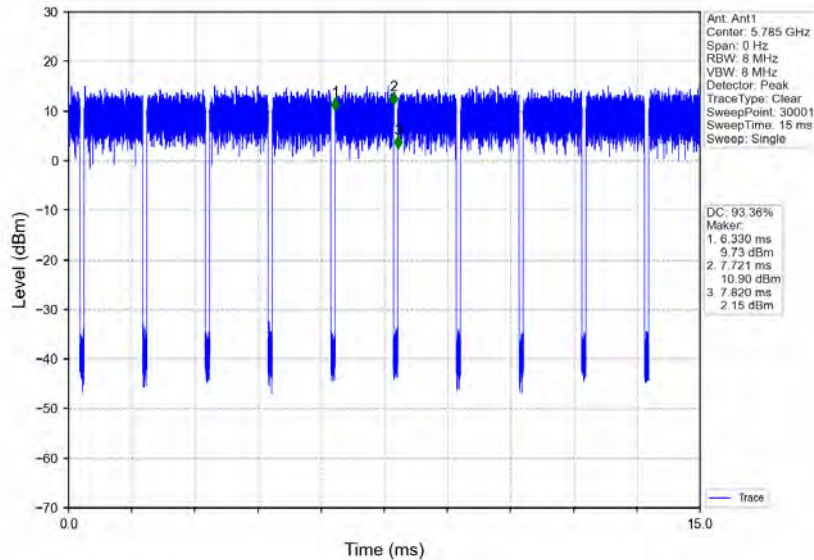
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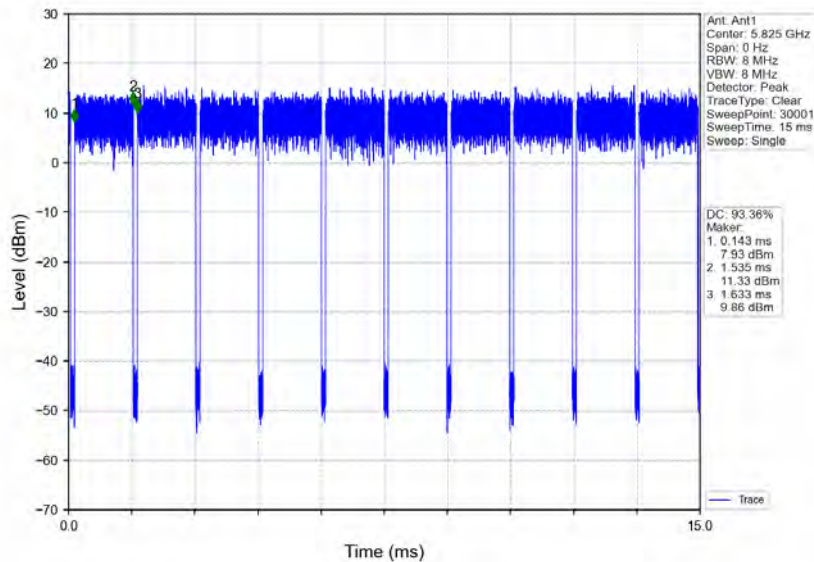
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant1\_NTNV



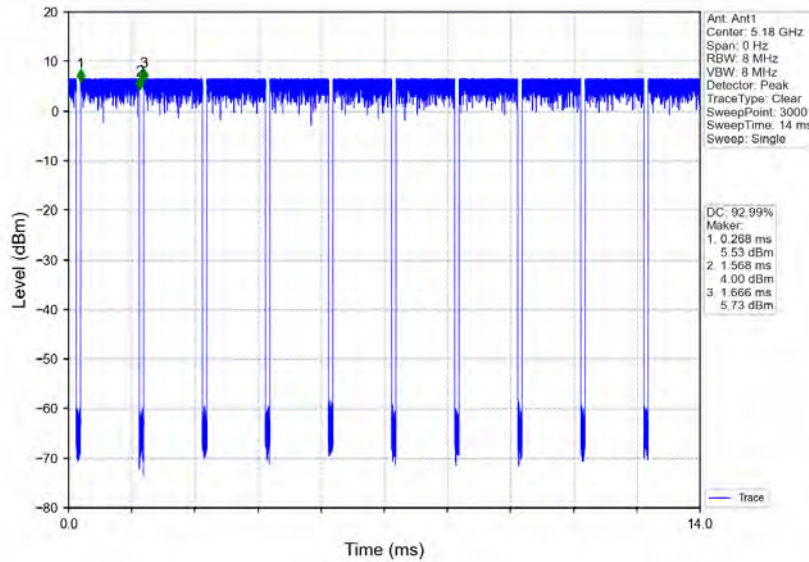
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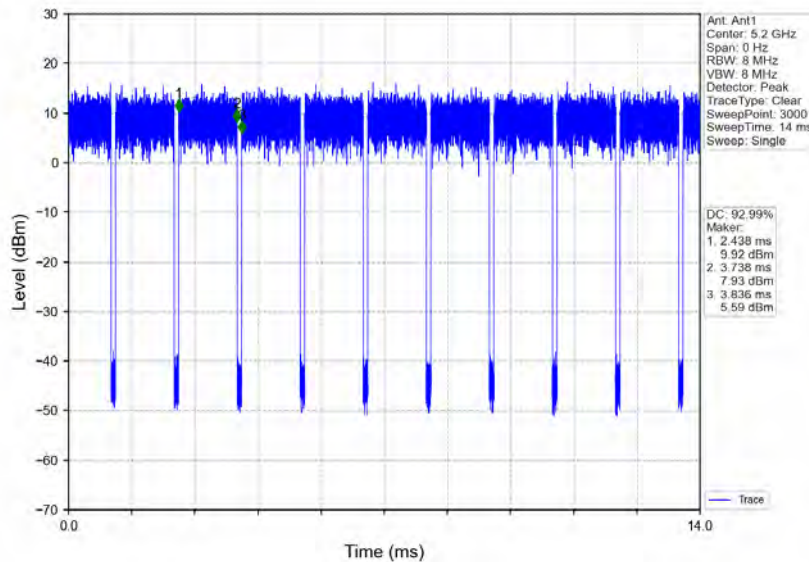
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



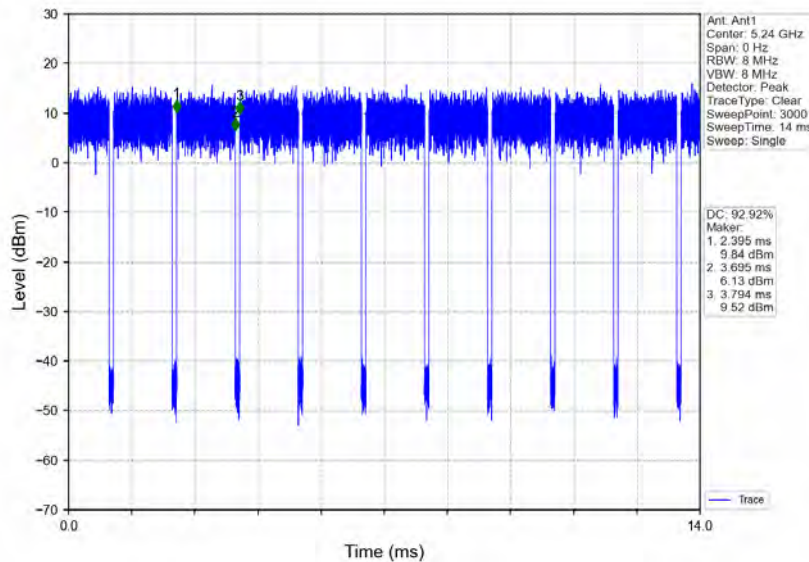
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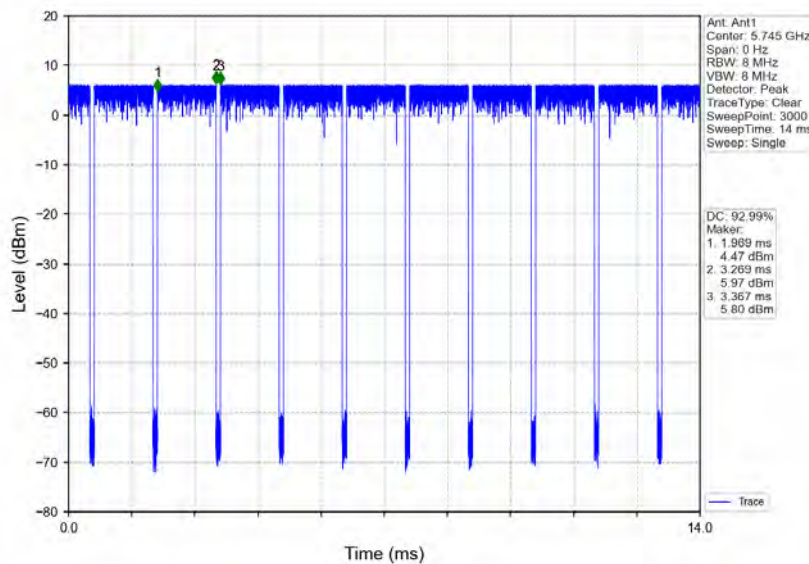
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



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



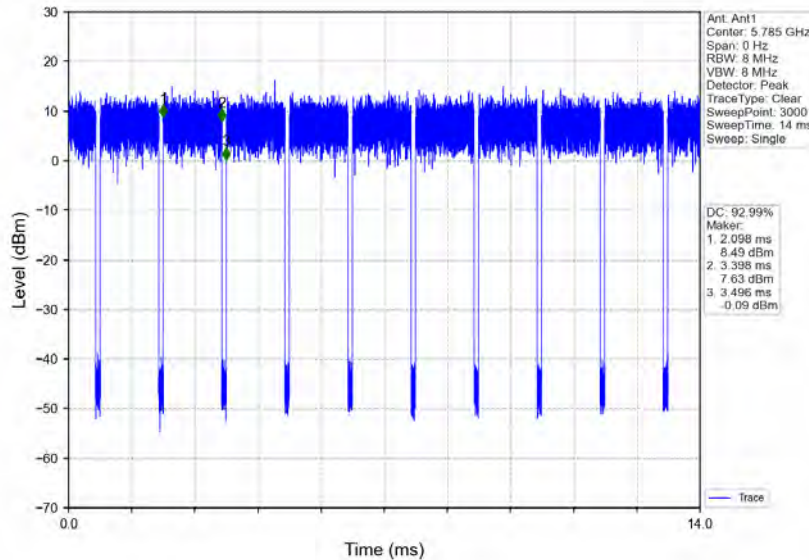
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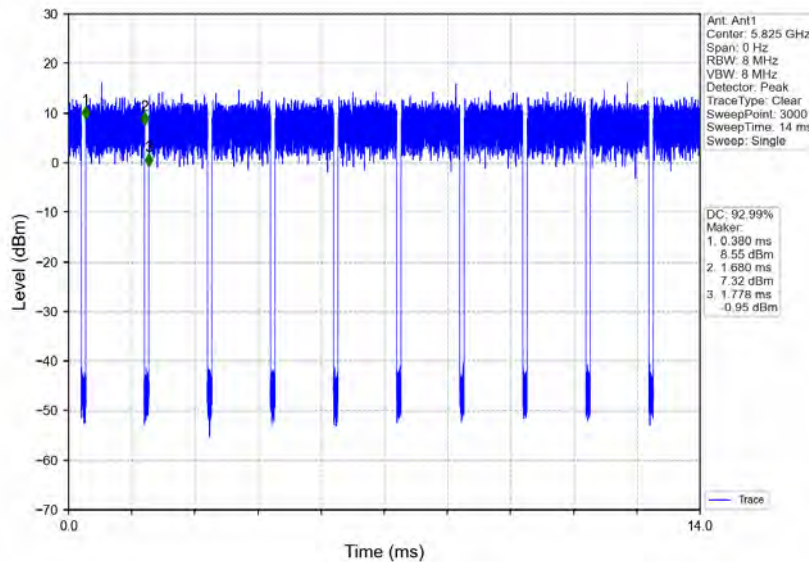
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



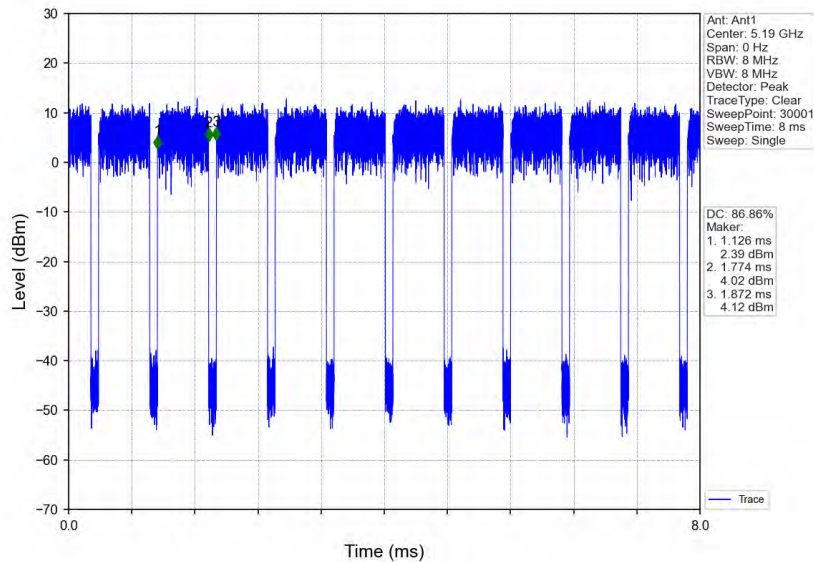
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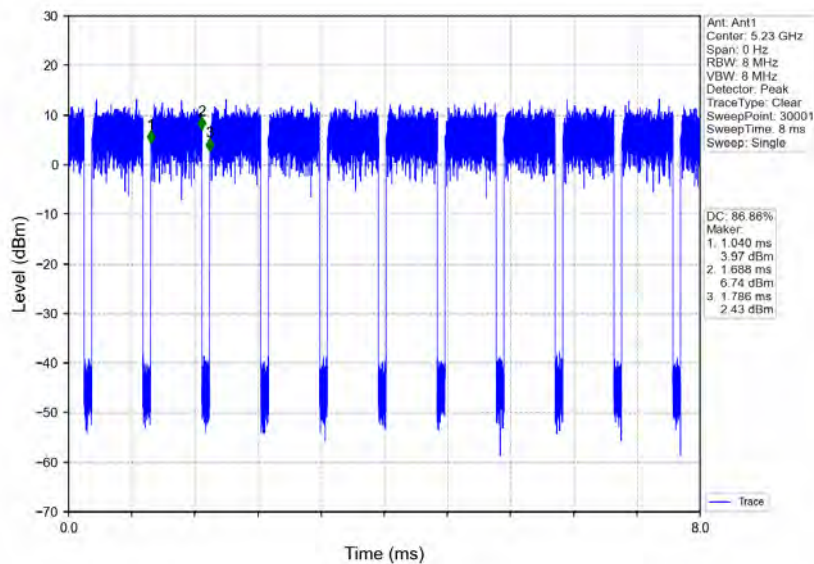
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



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



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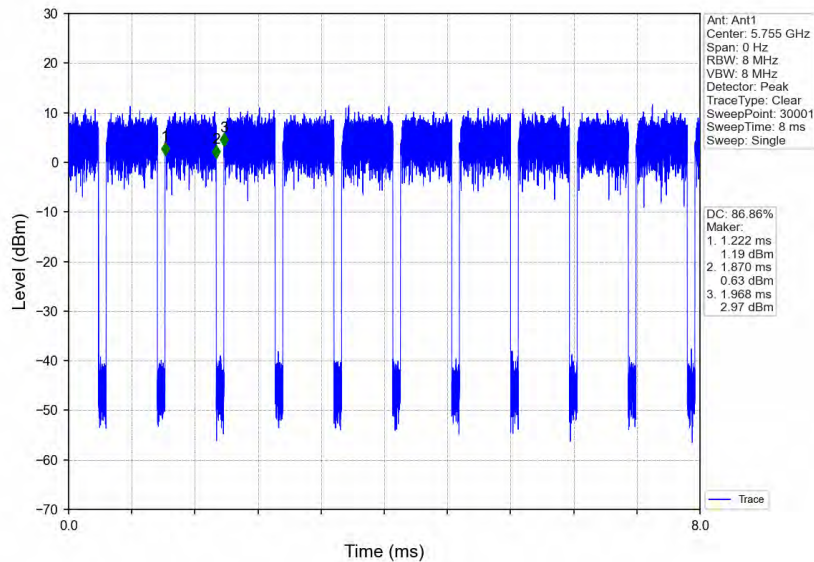
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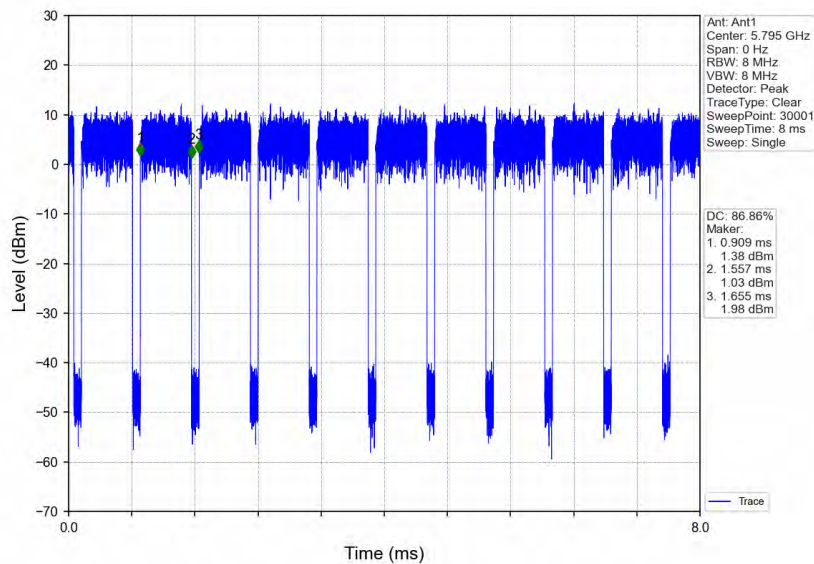
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



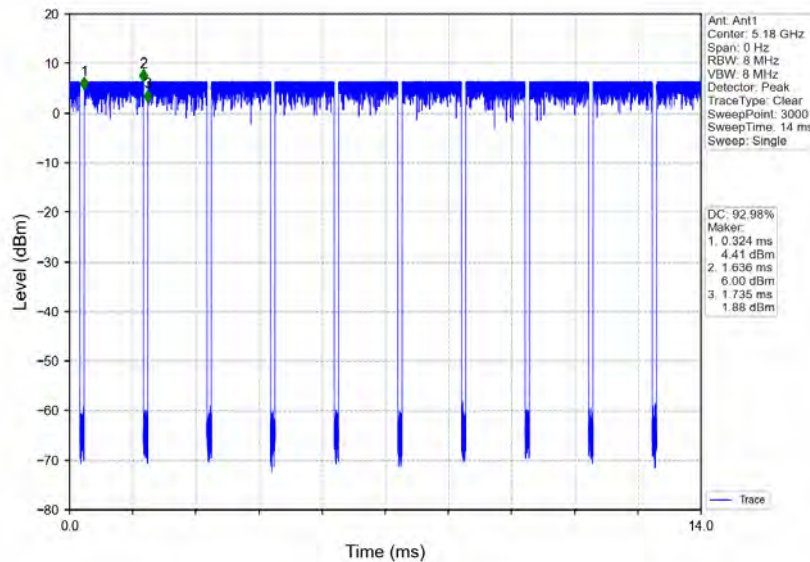
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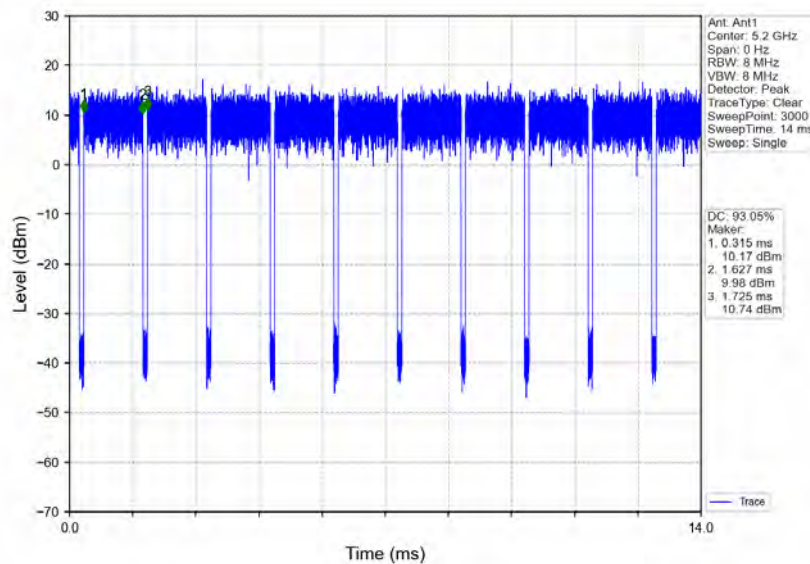
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



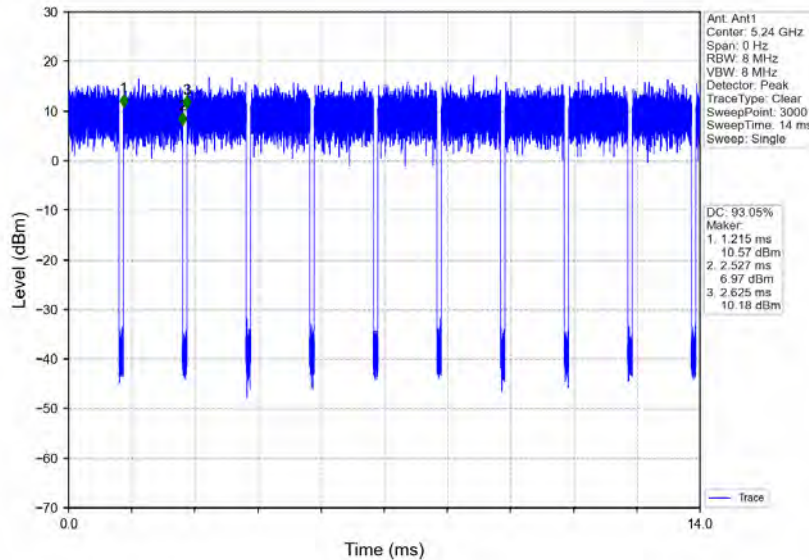
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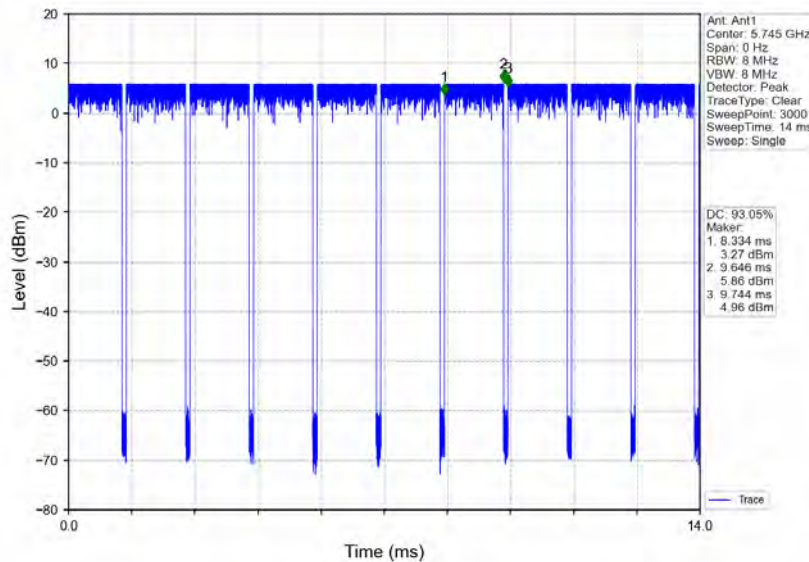
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



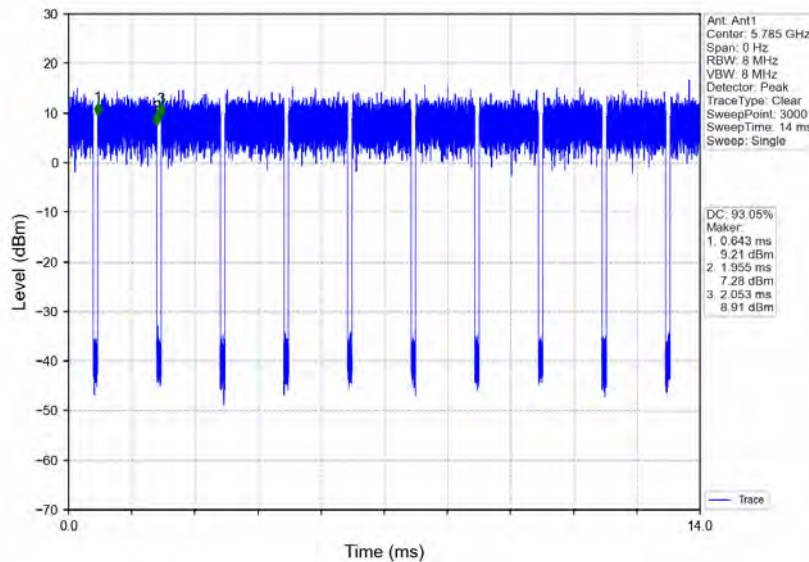
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



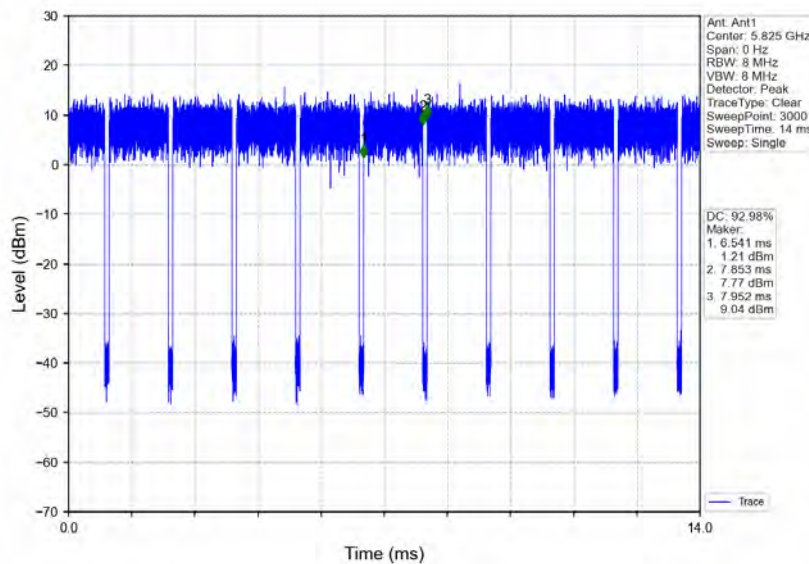
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



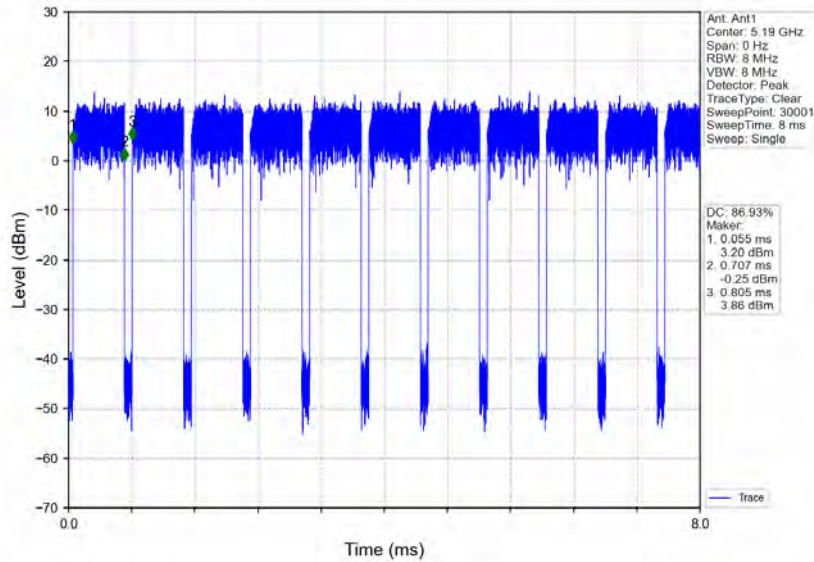
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



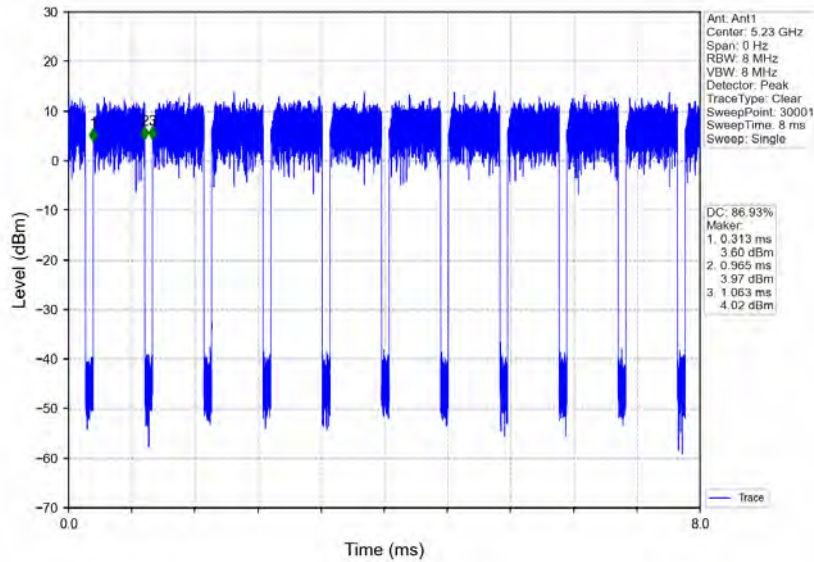
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



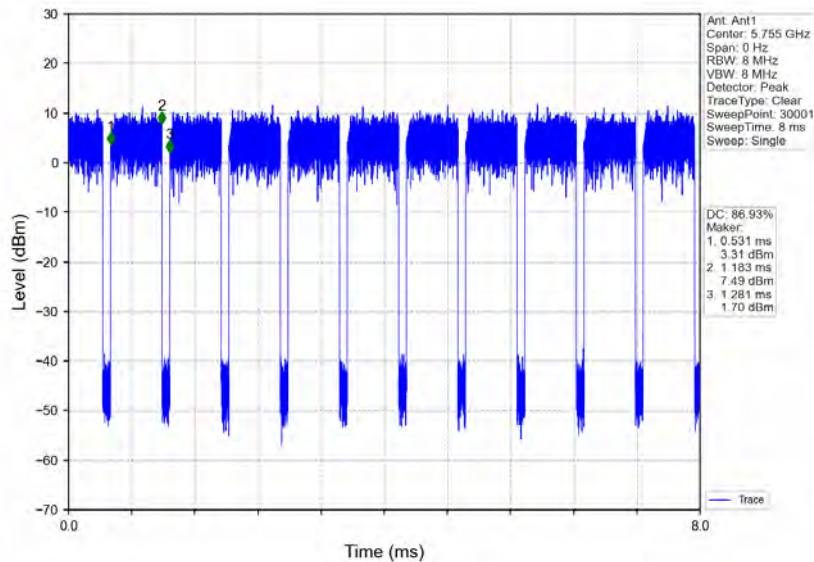
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



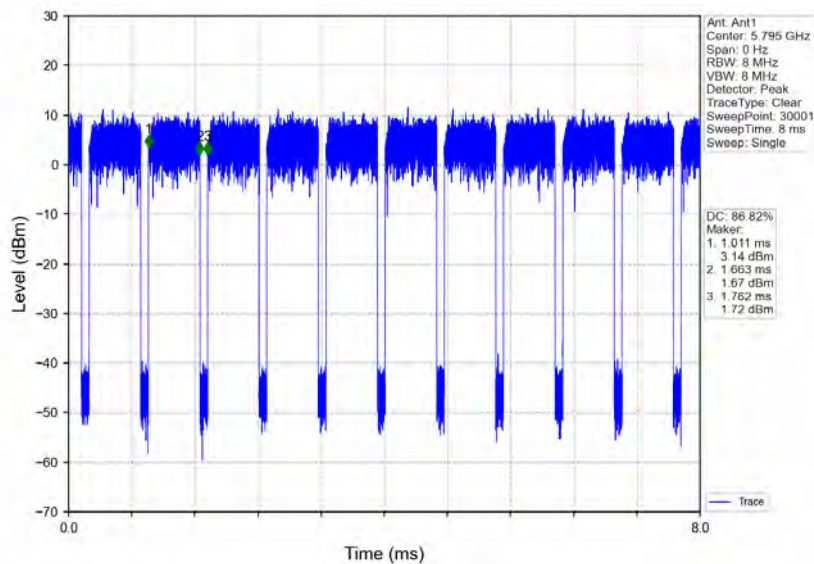
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



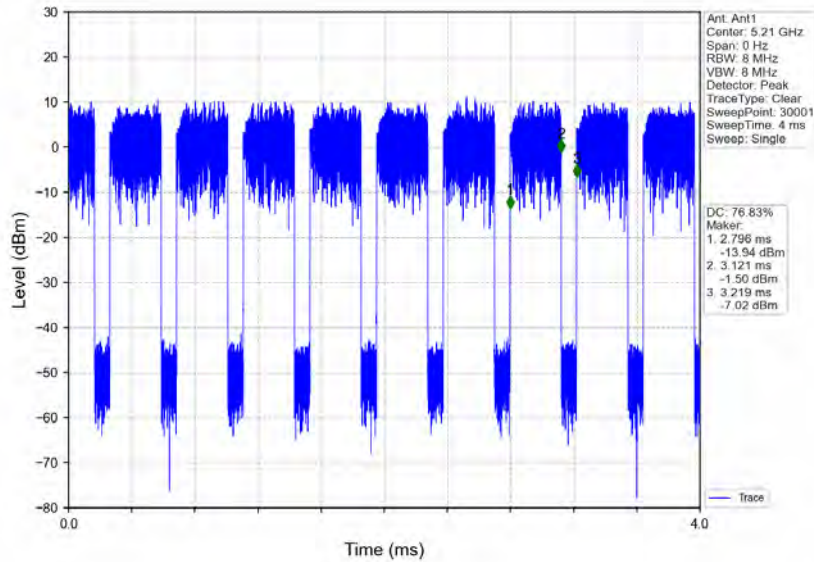
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



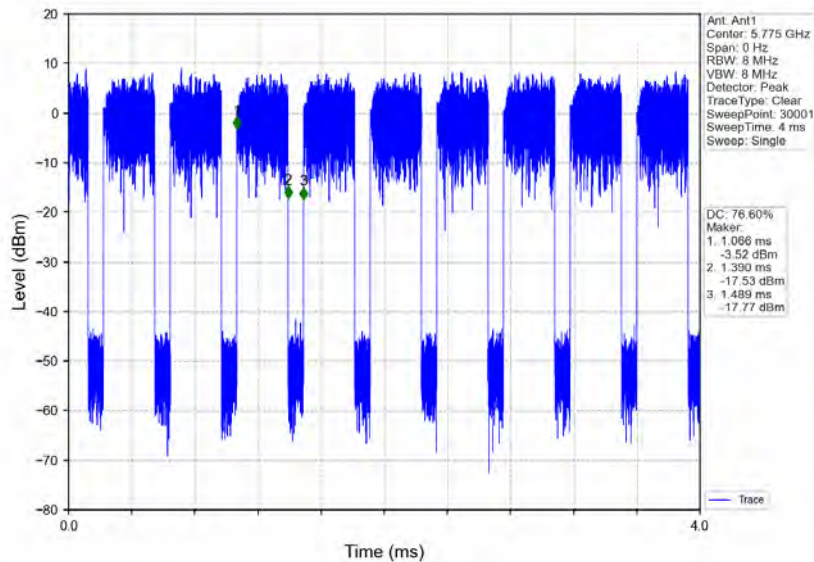
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



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	17.275	Pass
			2	17.044	Pass
		5200	1	17.249	Pass
			2	17.261	Pass
		5240	1	17.259	Pass
			2	17.276	Pass
		5745	1	17.315	Pass
			2	17.252	Pass
		5785	1	17.354	Pass
			2	17.213	Pass
		5825	1	17.316	Pass
			2	17.264	Pass
802.11n (HT20)	MIMO	5180	1	18.115	Pass
			2	18.113	Pass
		5200	1	18.095	Pass
			2	18.088	Pass
		5240	1	18.069	Pass
			2	18.096	Pass
		5745	1	18.157	Pass
			2	18.067	Pass
		5785	1	18.107	Pass
			2	18.109	Pass
		5825	1	18.123	Pass
			2	18.134	Pass
802.11n (HT40)	MIMO	5190	1	36.602	Pass
			2	36.466	Pass
		5230	1	36.624	Pass
			2	36.477	Pass
		5755	1	36.512	Pass
			2	36.544	Pass
		5795	1	36.483	Pass
			2	36.616	Pass
802.11ac (VHT20)	MIMO	5180	1	18.046	Pass
			2	17.997	Pass
		5200	1	17.932	Pass
			2	18.078	Pass
		5240	1	17.970	Pass
			2	17.923	Pass
		5745	1	18.017	Pass
			2	18.053	Pass



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		5785	1	17.996	Pass
			2	18.064	Pass
		5825	1	18.057	Pass
			2	18.051	Pass
802.11ac (VHT40)	MIMO	5190	1	36.385	Pass
			2	36.372	Pass
		5230	1	36.468	Pass
			2	36.363	Pass
		5755	1	36.349	Pass
			2	36.364	Pass
		5795	1	36.384	Pass
			2	36.403	Pass
802.11ac (VHT80)	MIMO	5210	1	76.578	Pass
			2	76.313	Pass
		5775	1	76.460	Pass
			2	76.426	Pass



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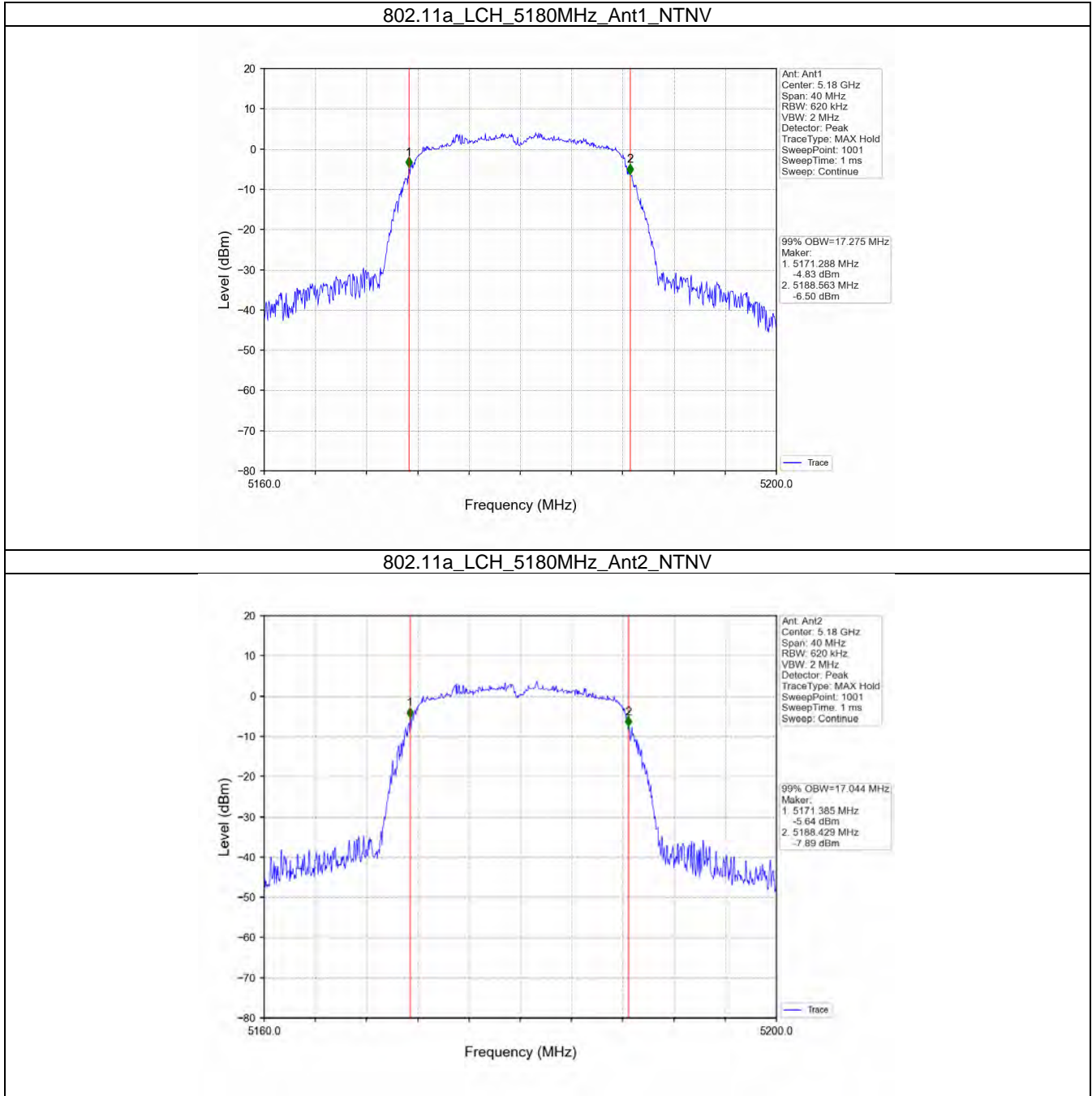
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2.1.2 Test Graph



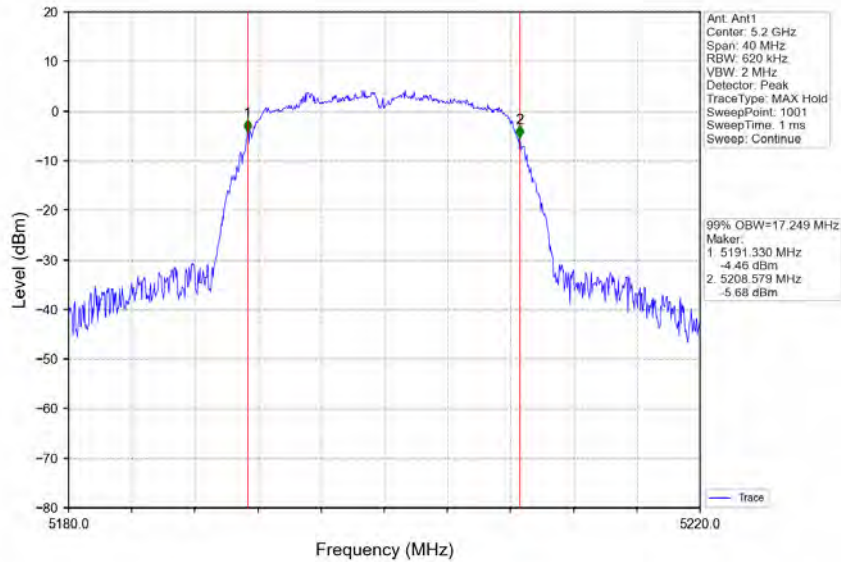
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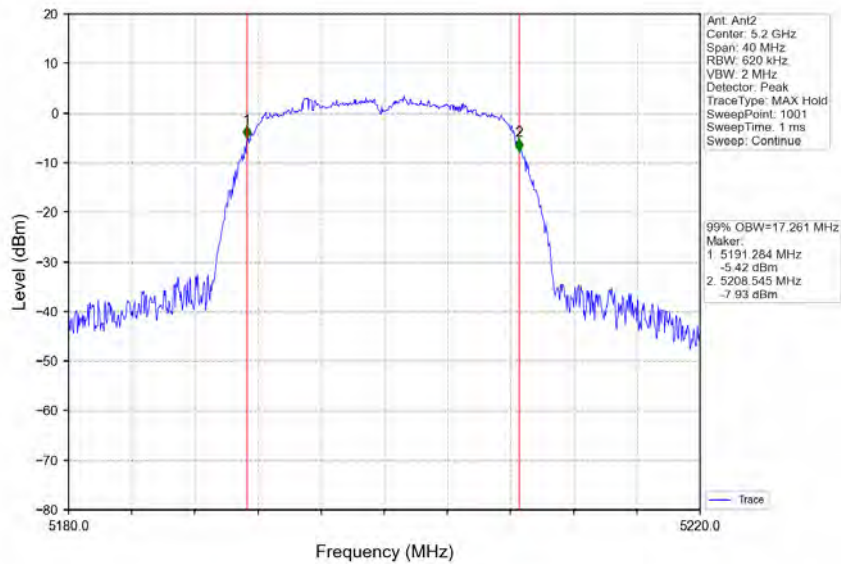
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV



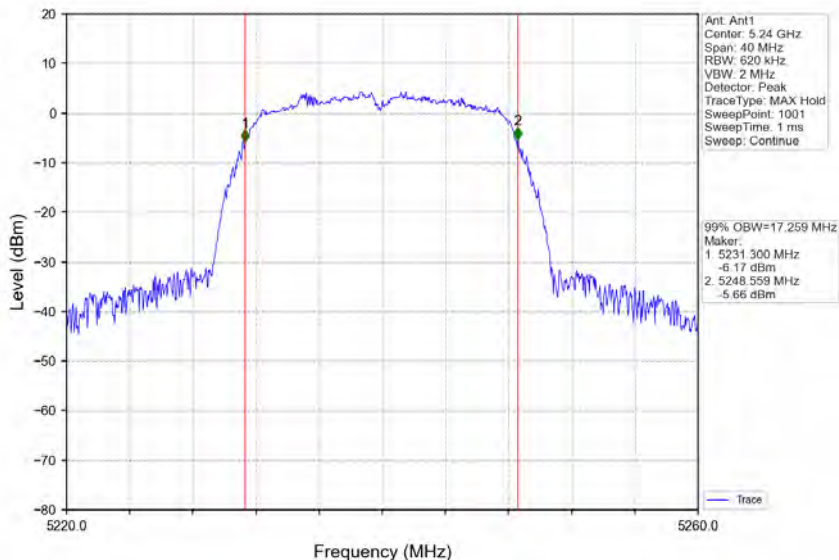
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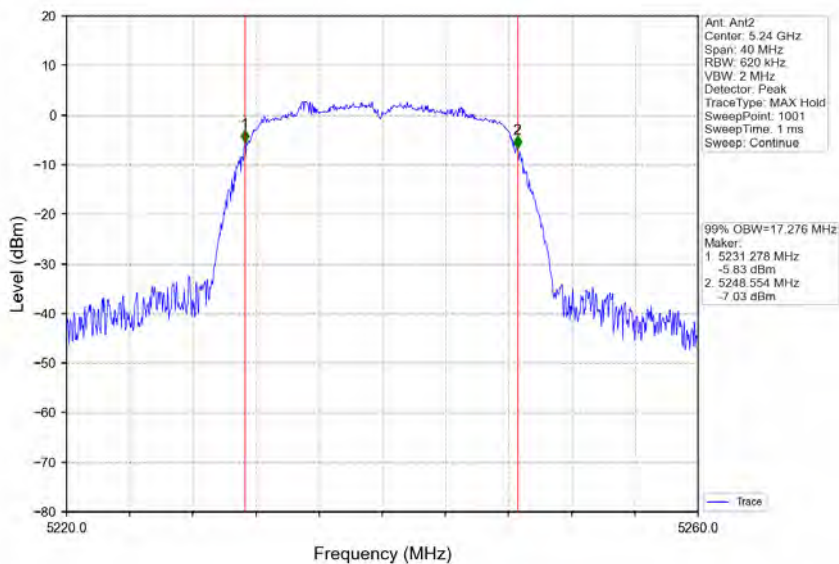
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



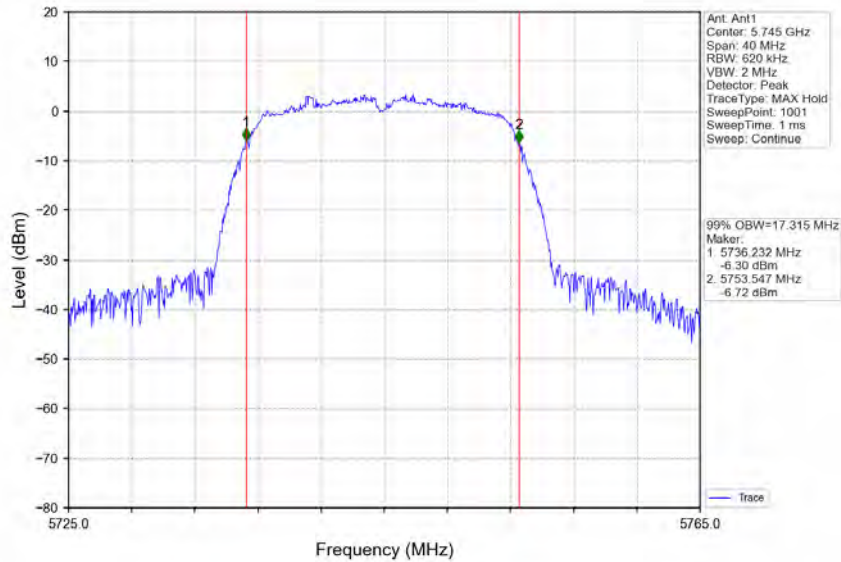
802.11a\_HCH\_5240MHz\_Ant2\_NTNV



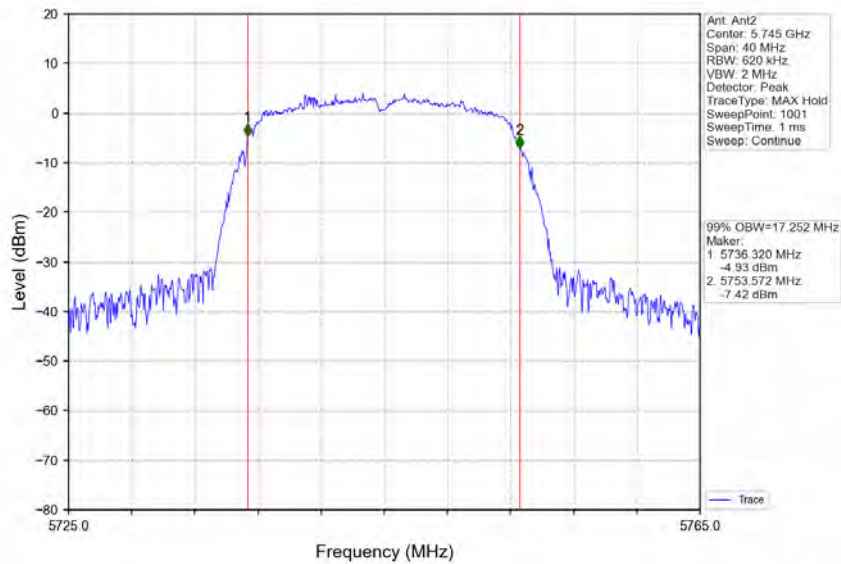
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802.11a\_LCH\_5745MHz\_Ant1\_NTNV



802.11a\_LCH\_5745MHz\_Ant2\_NTNV

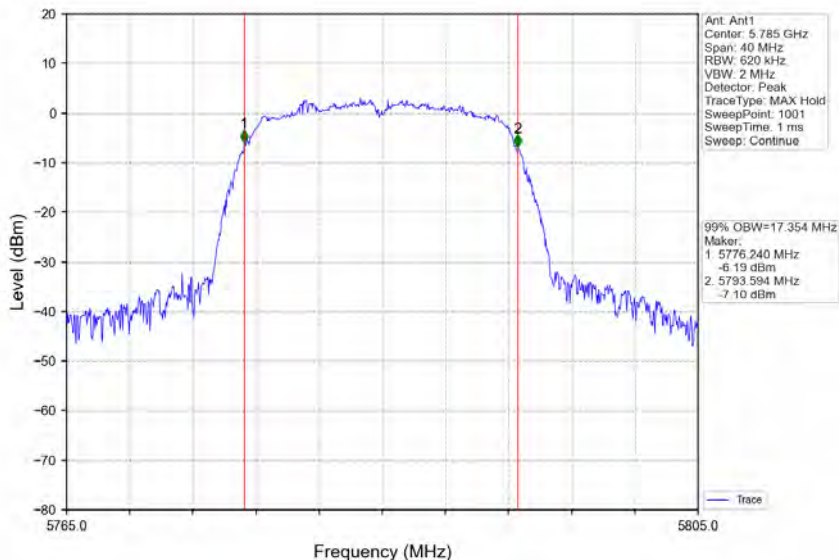


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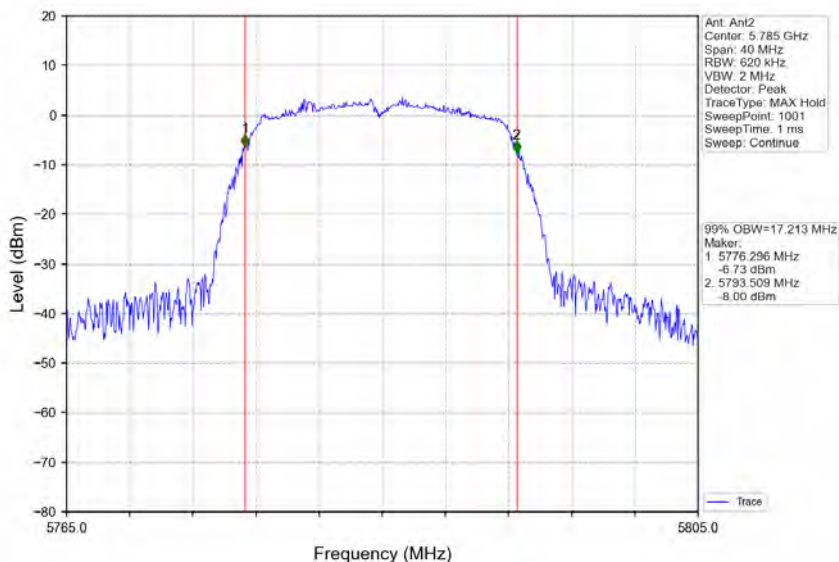
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



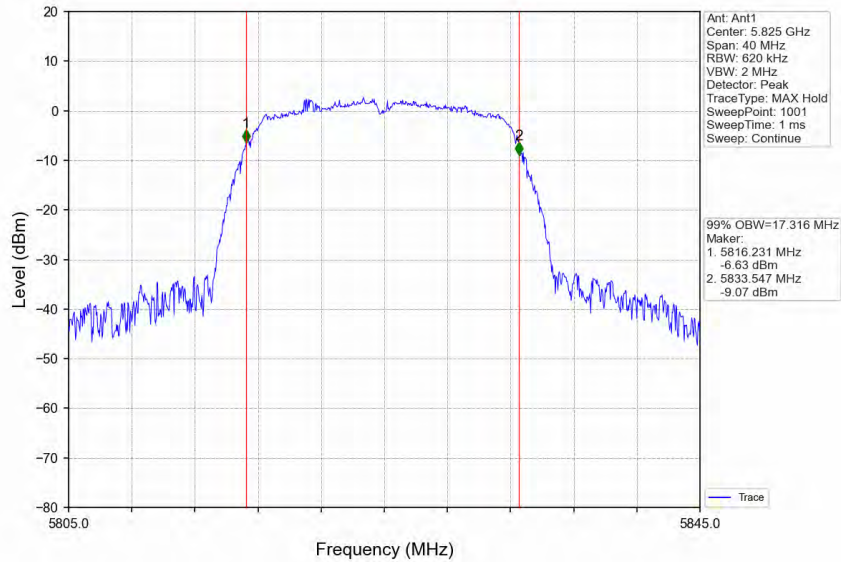
802.11a\_MCH\_5785MHz\_Ant2\_NTNV



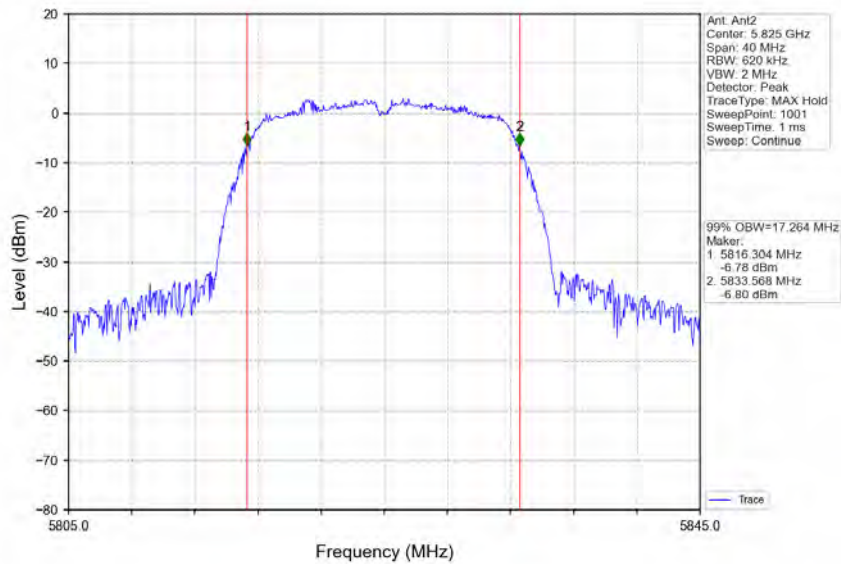
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



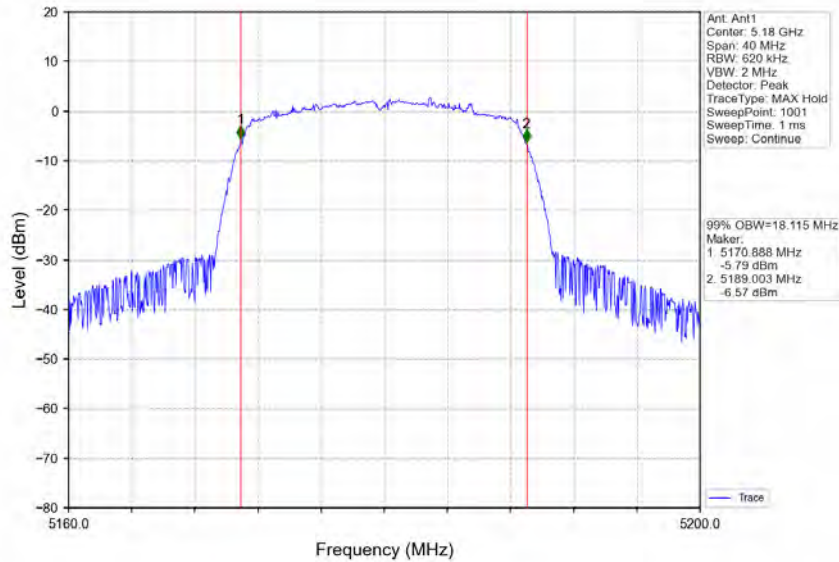
802.11a\_HCH\_5825MHz\_Ant2\_NTNV



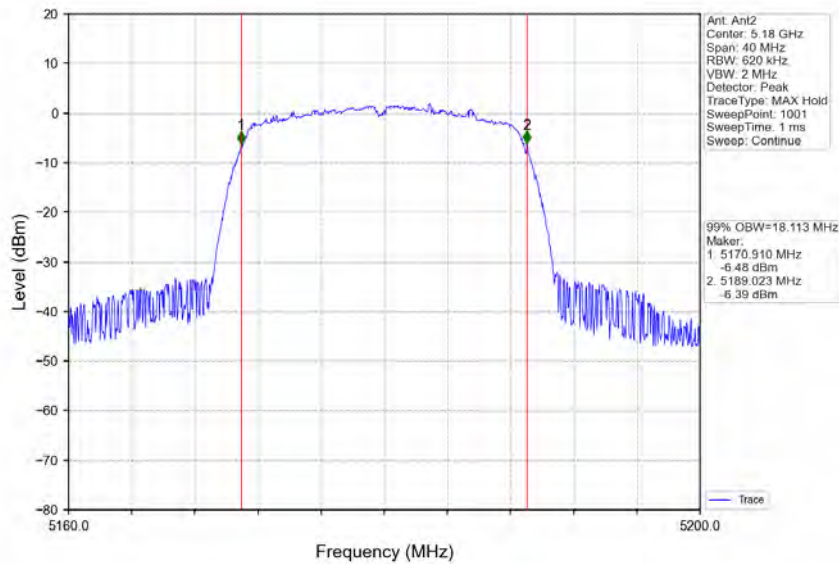
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



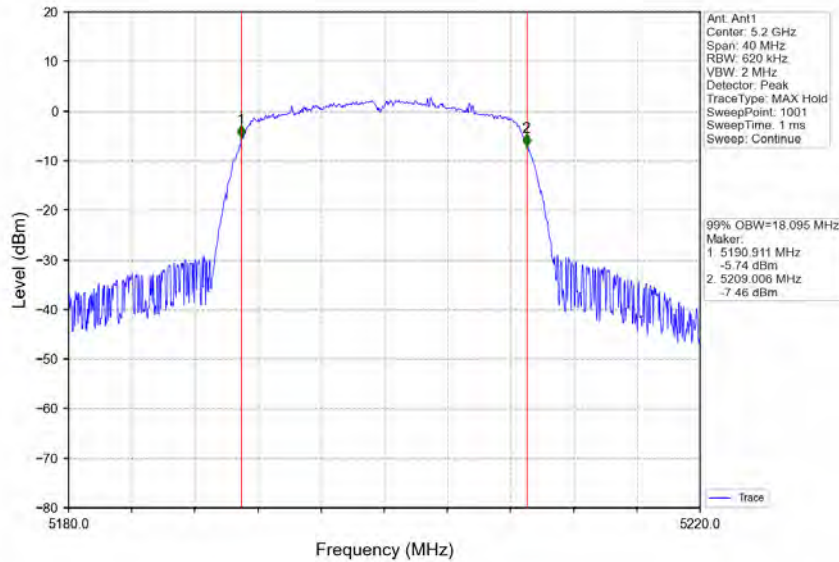
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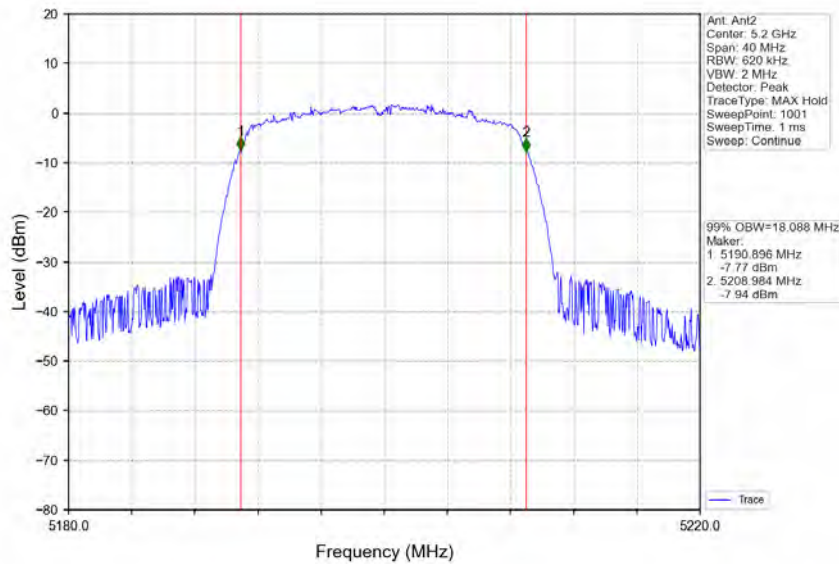
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



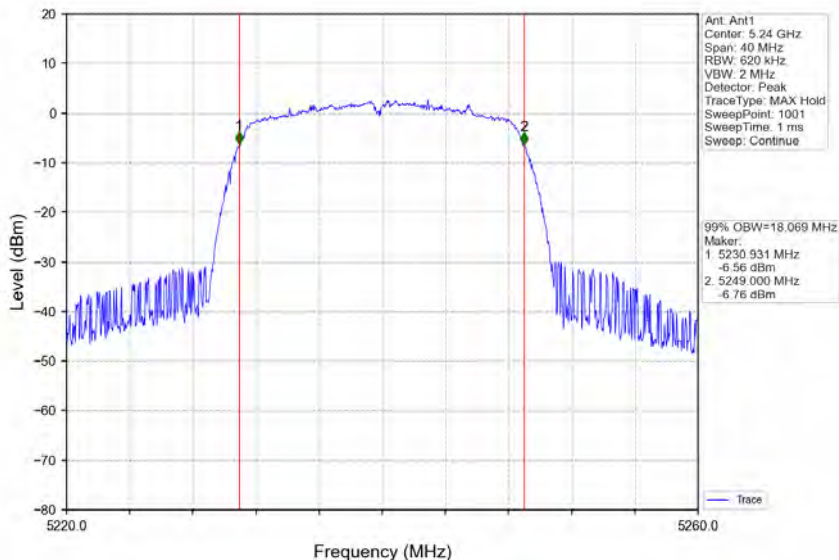
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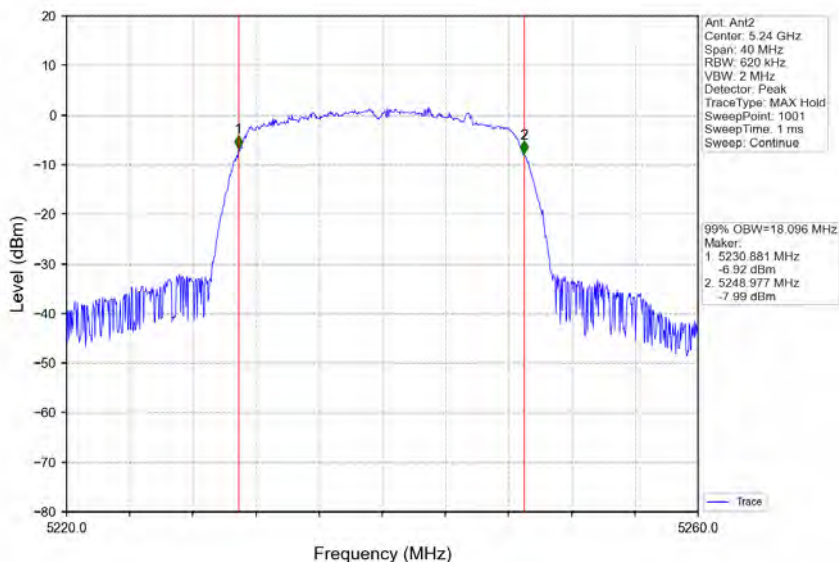
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



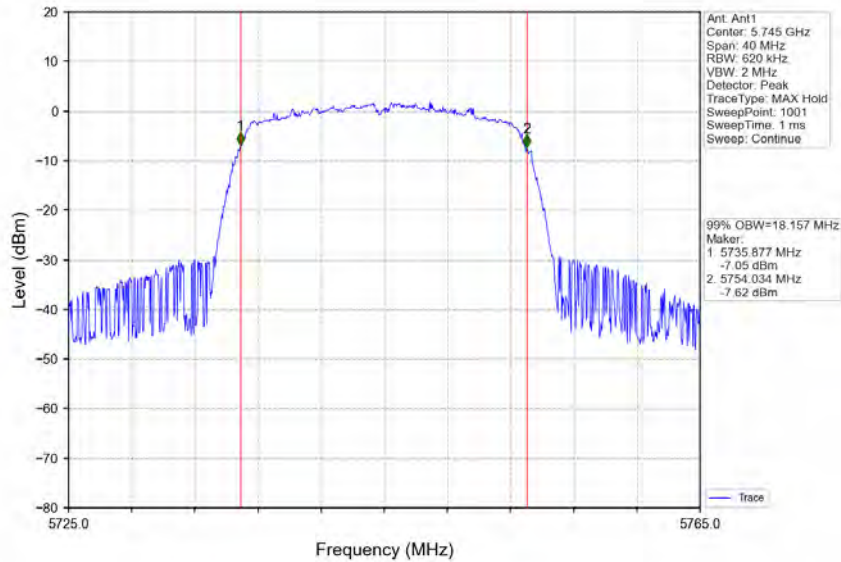
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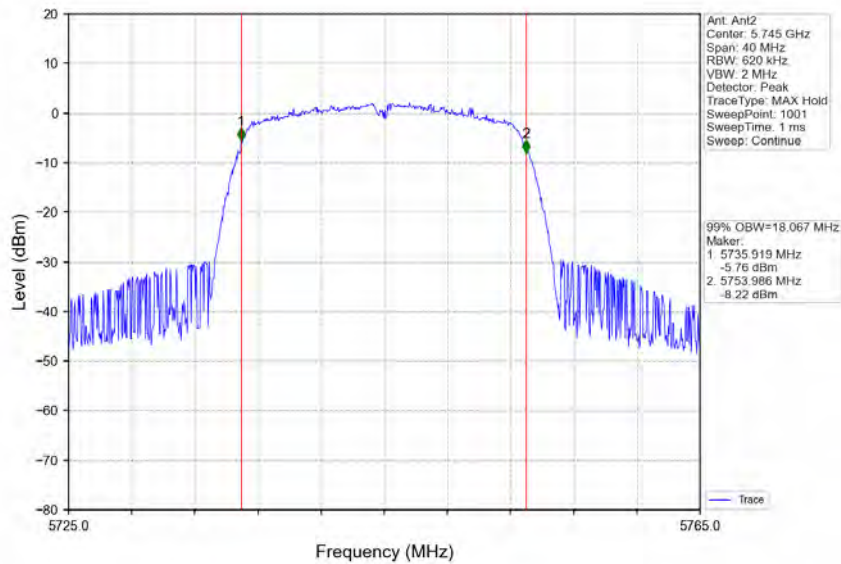
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



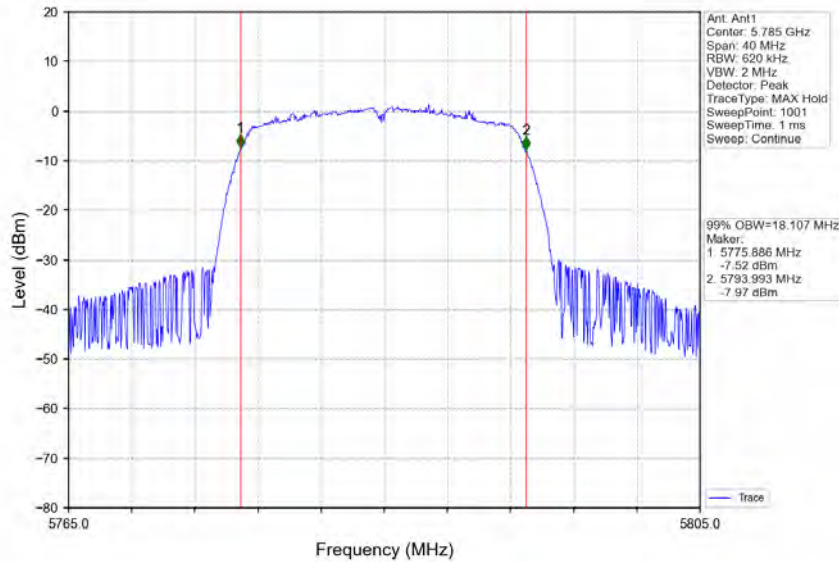
802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



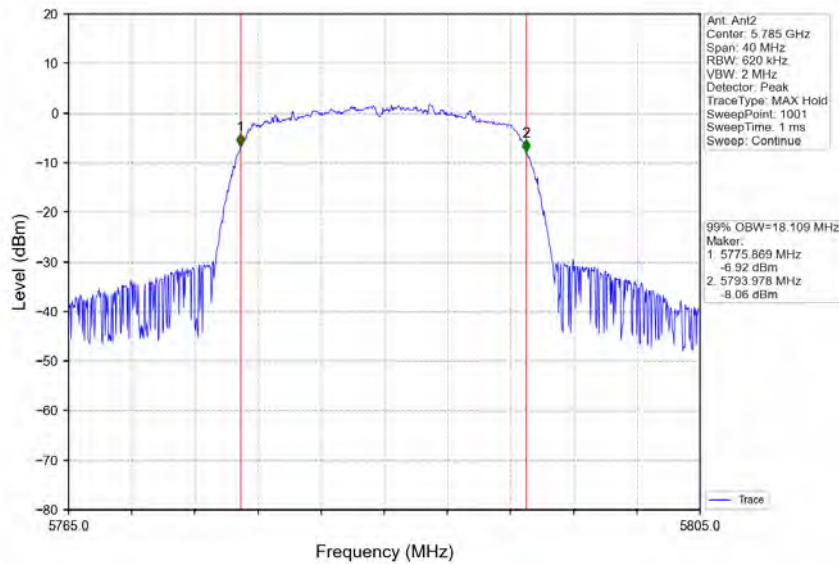
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



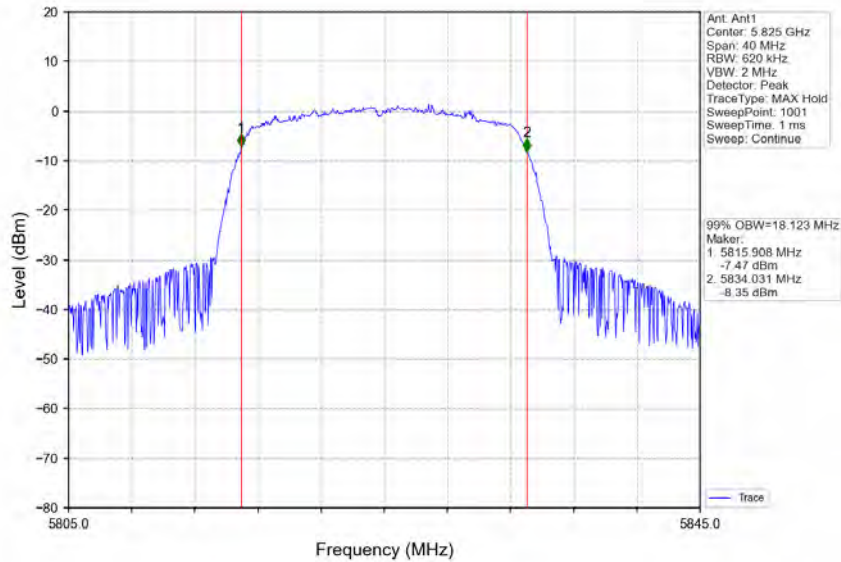
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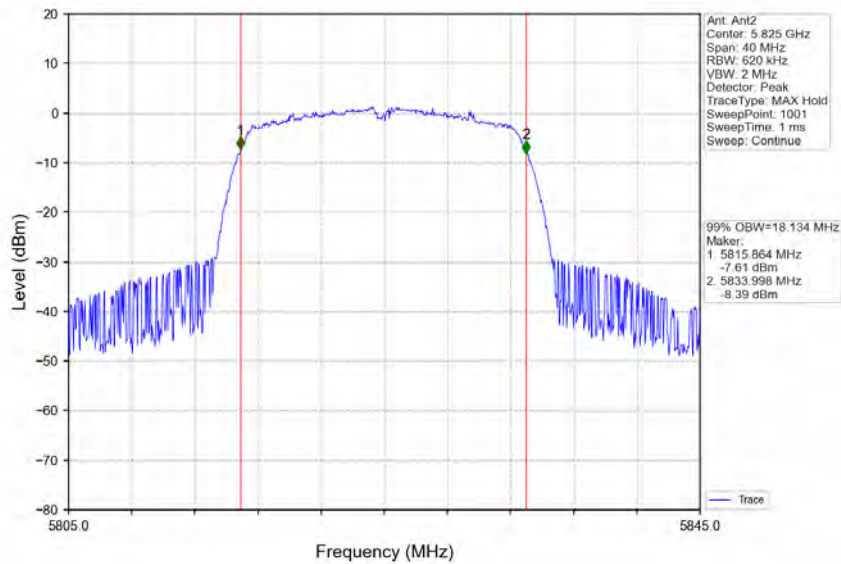
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



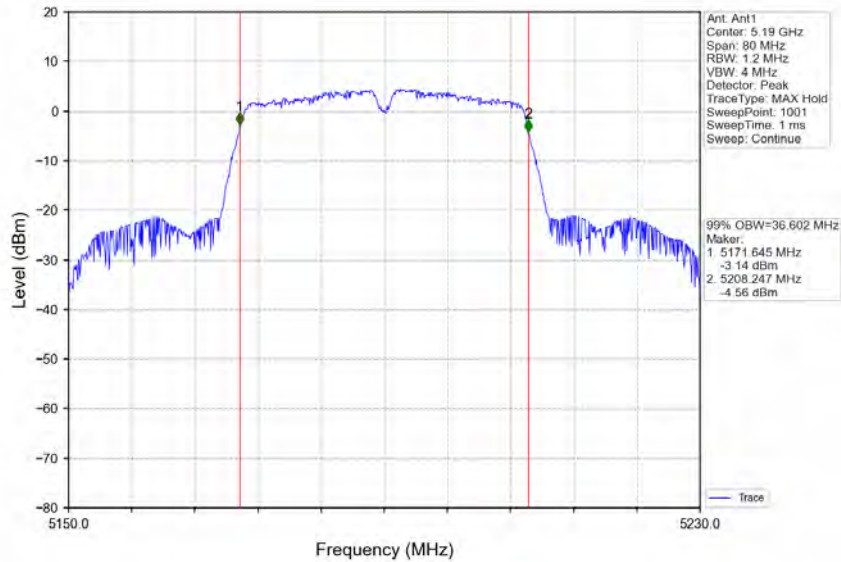
802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



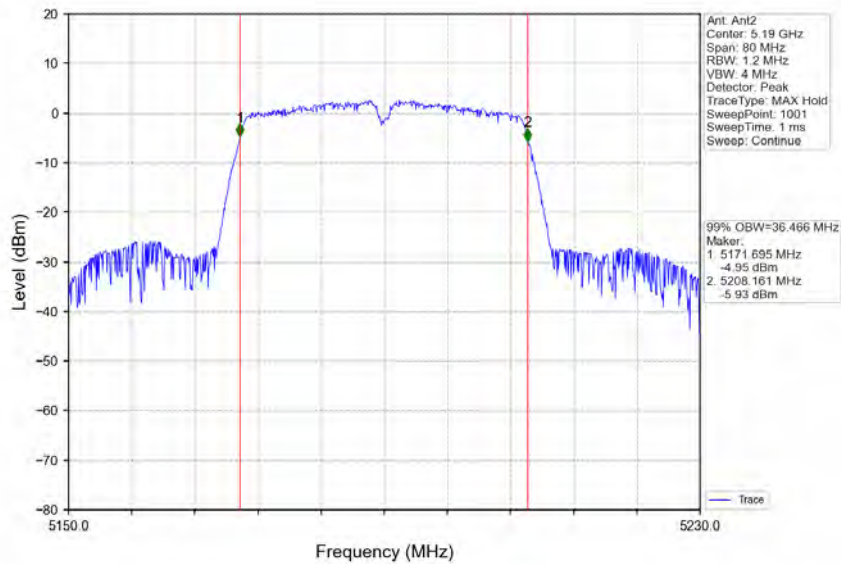
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV

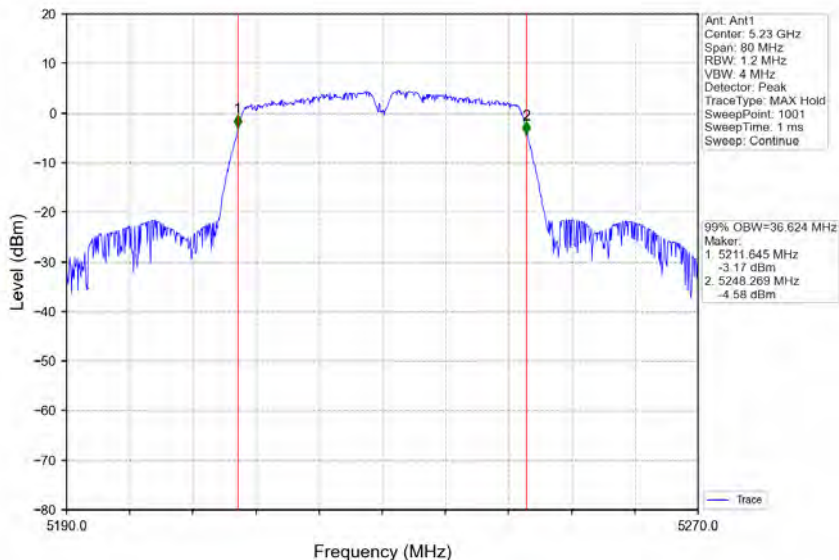


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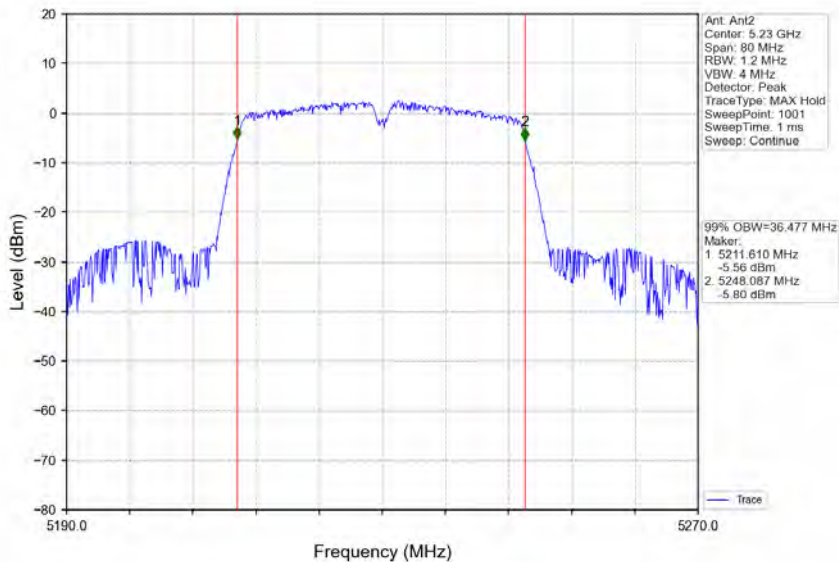
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



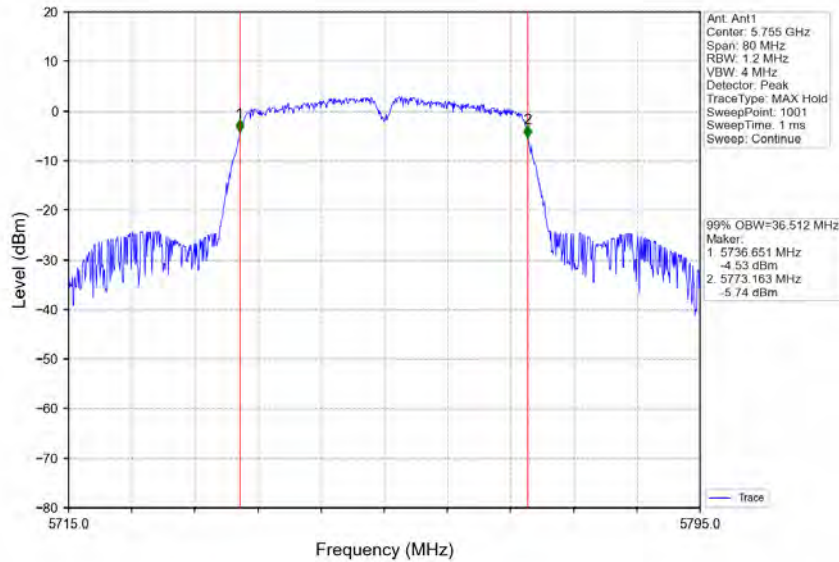
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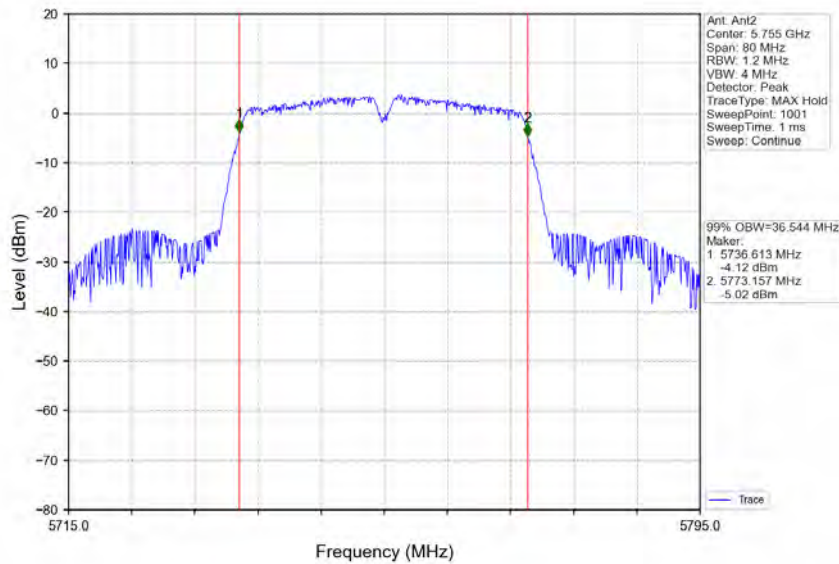
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV

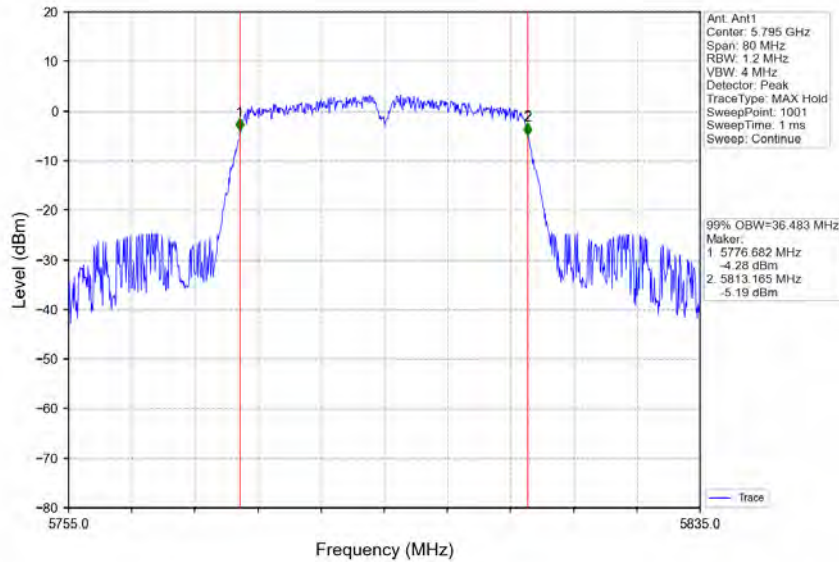


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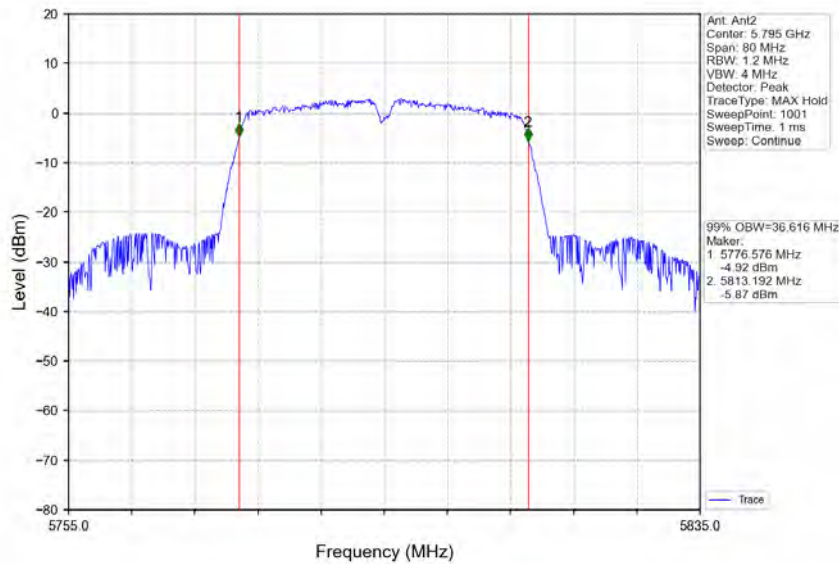
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



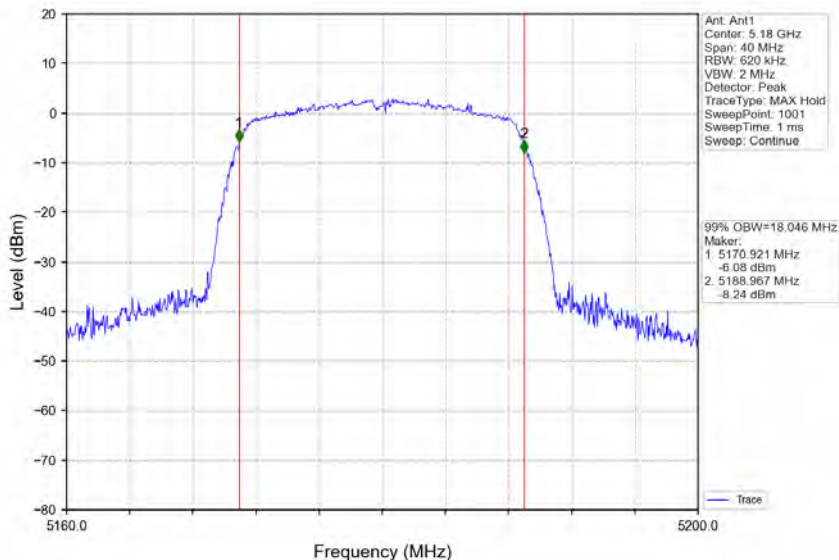
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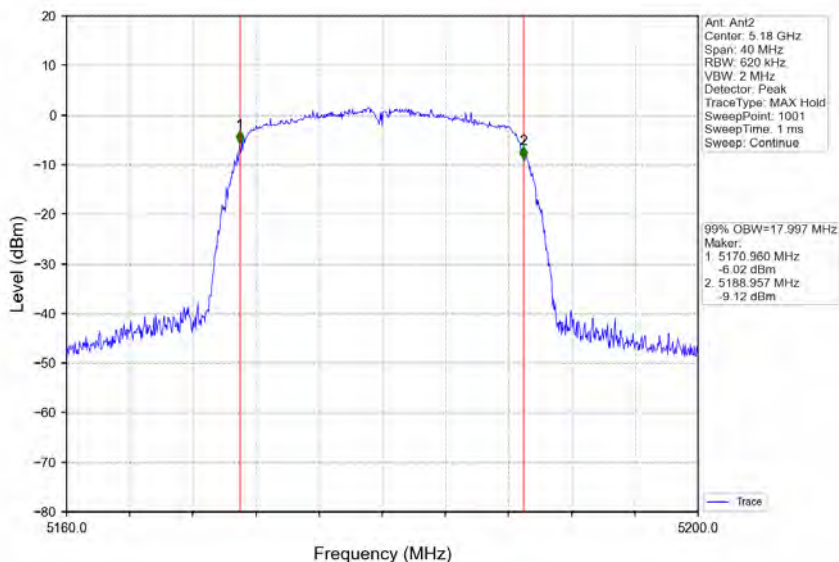
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



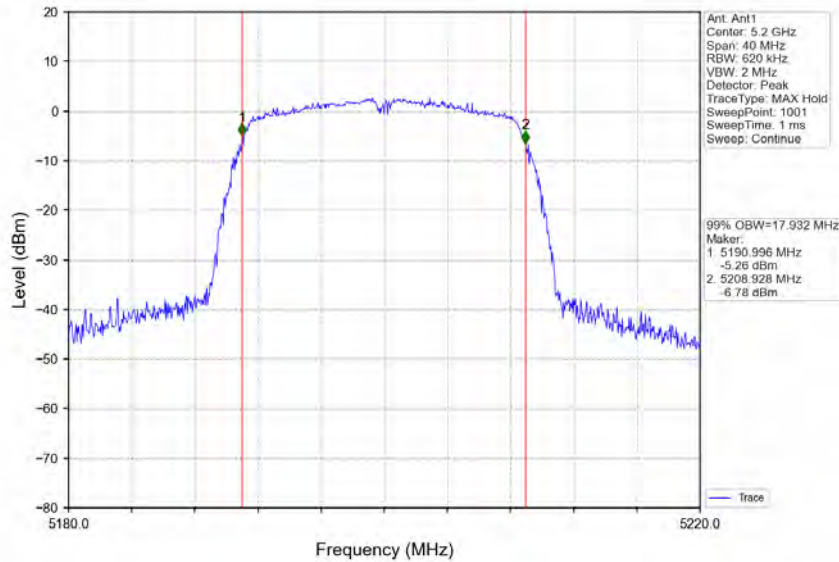
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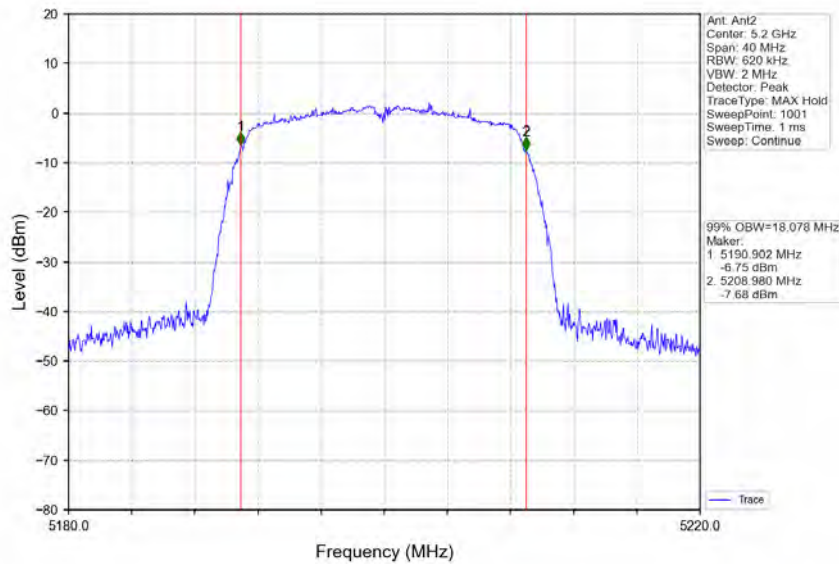
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



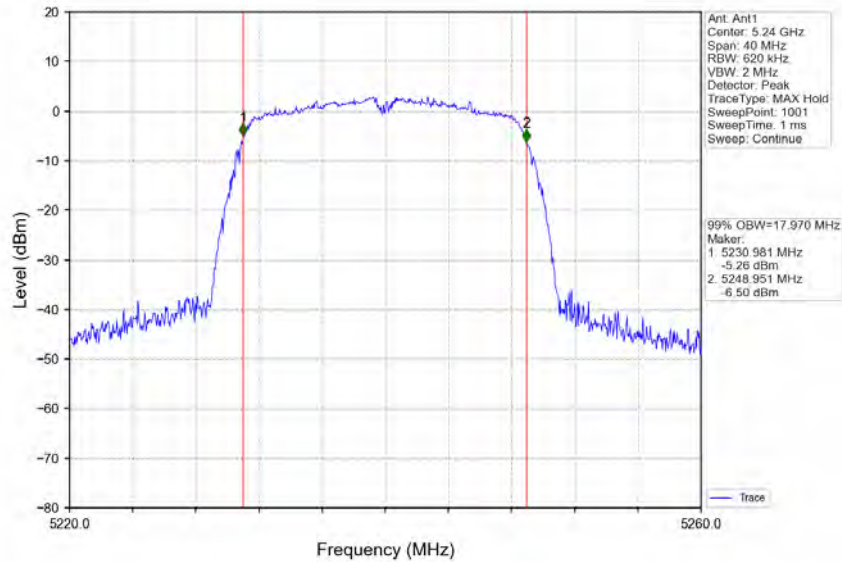
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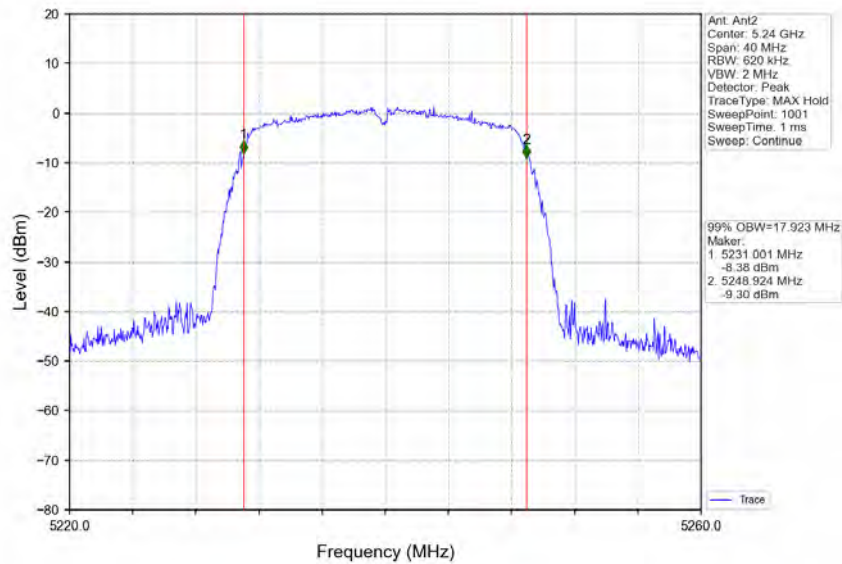
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



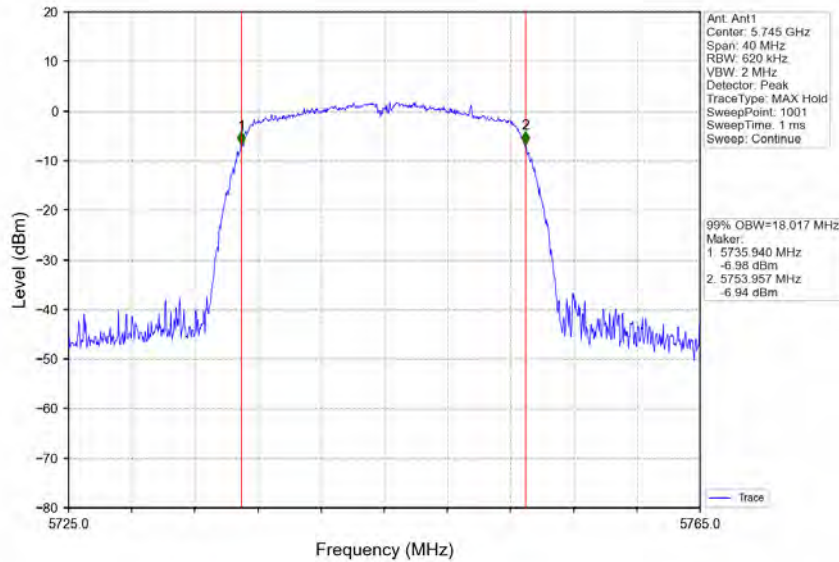
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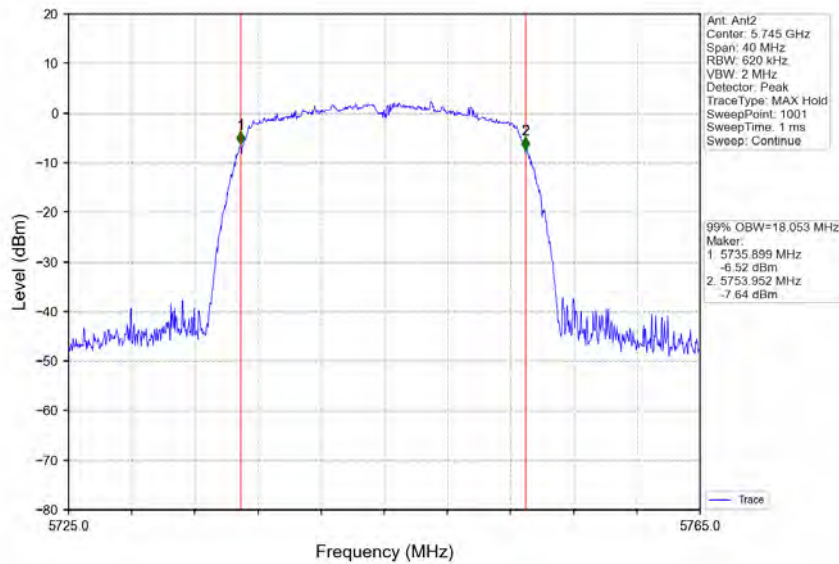
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



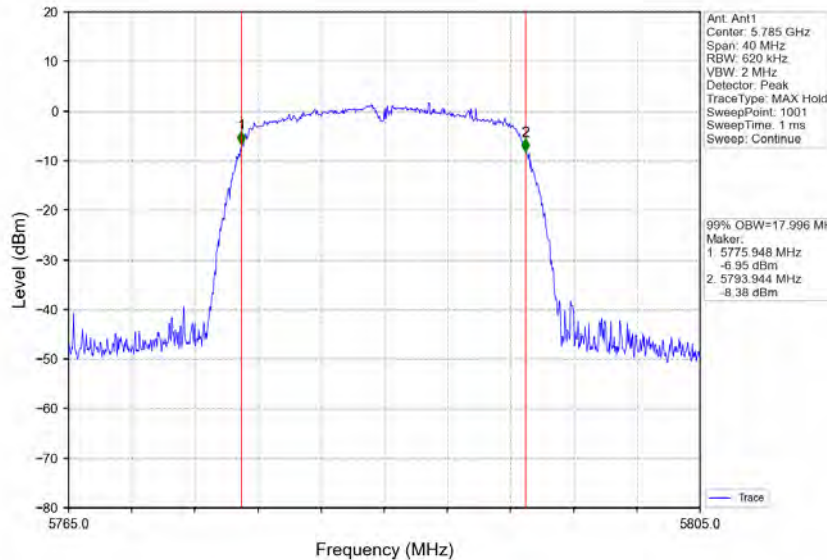
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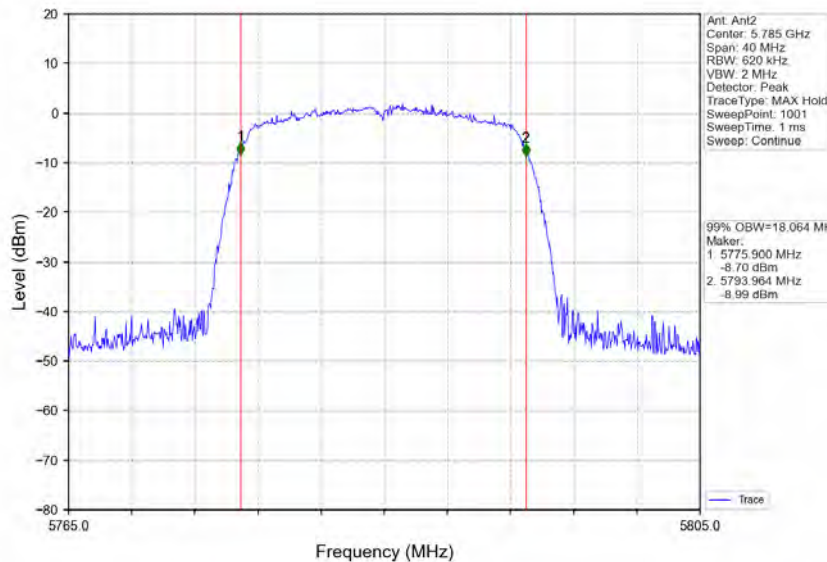
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



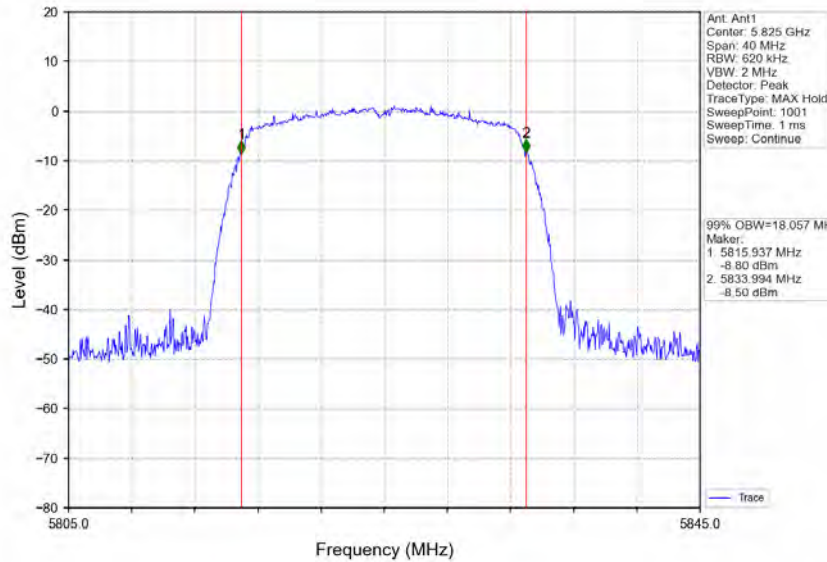
802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



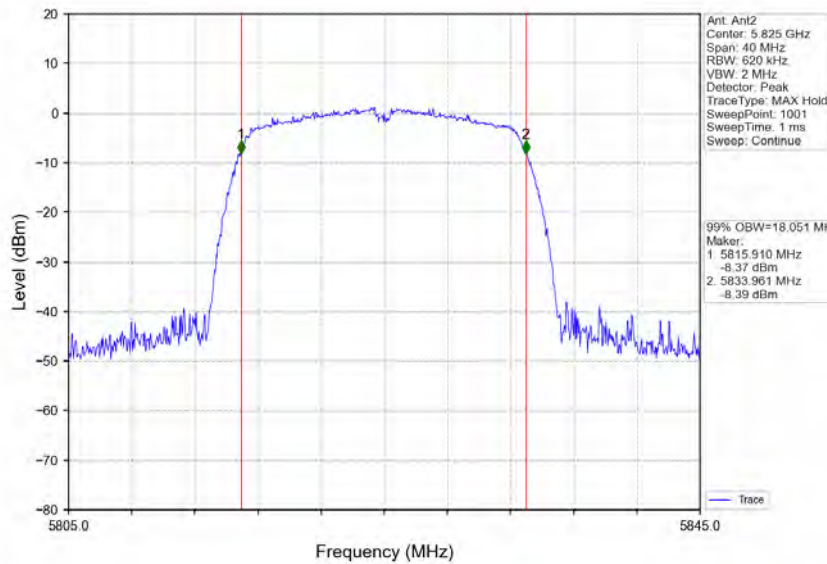
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



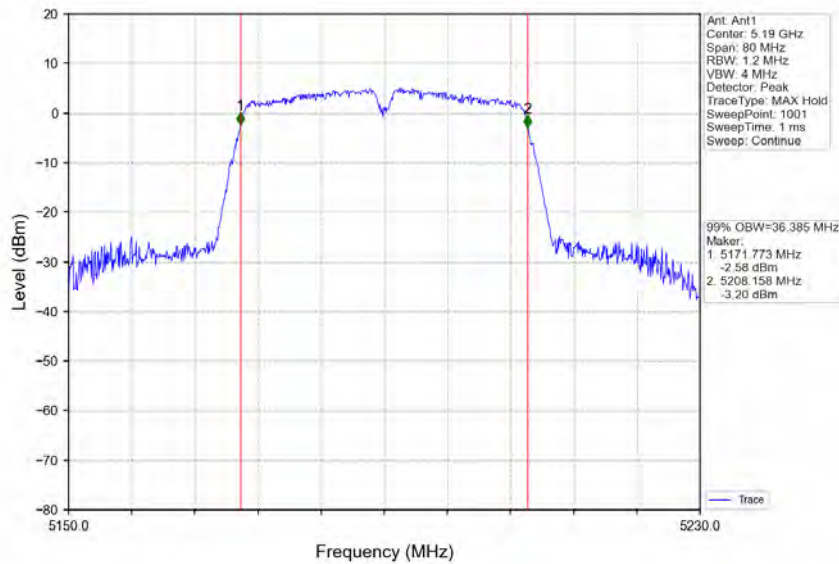
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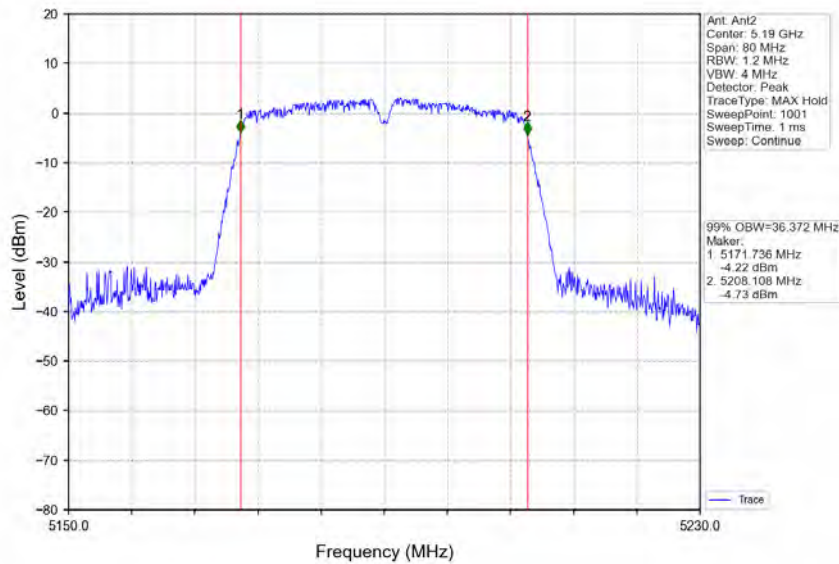
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



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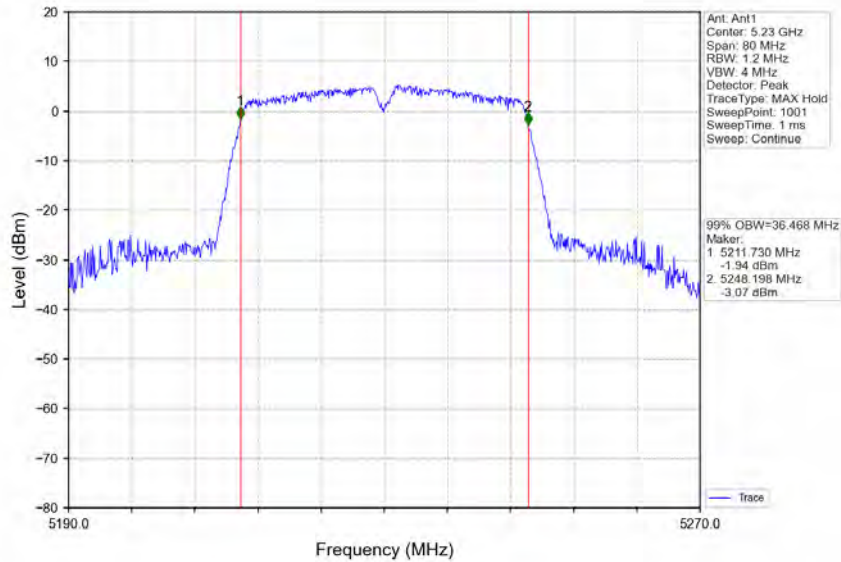
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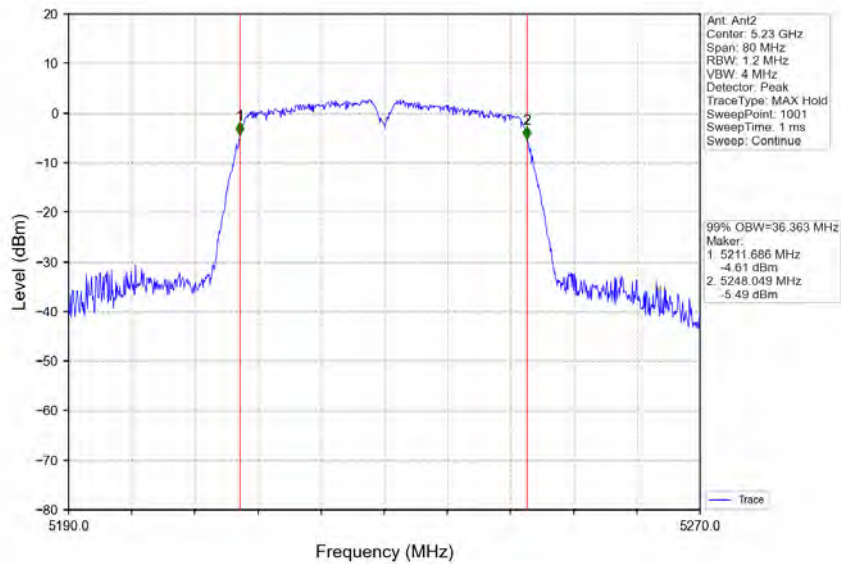
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



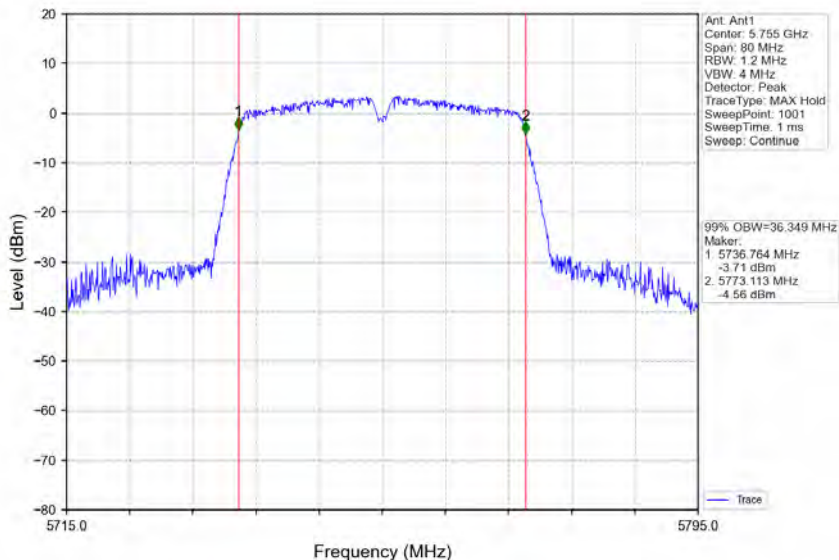
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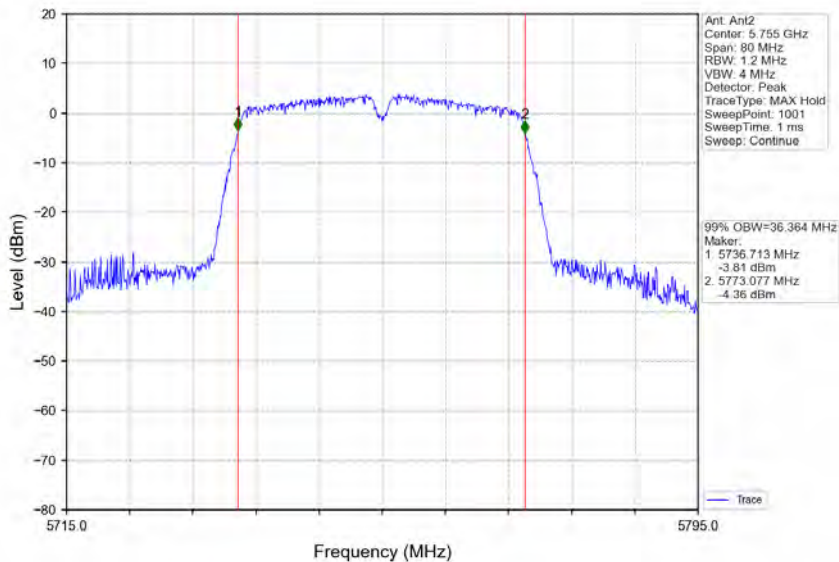
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



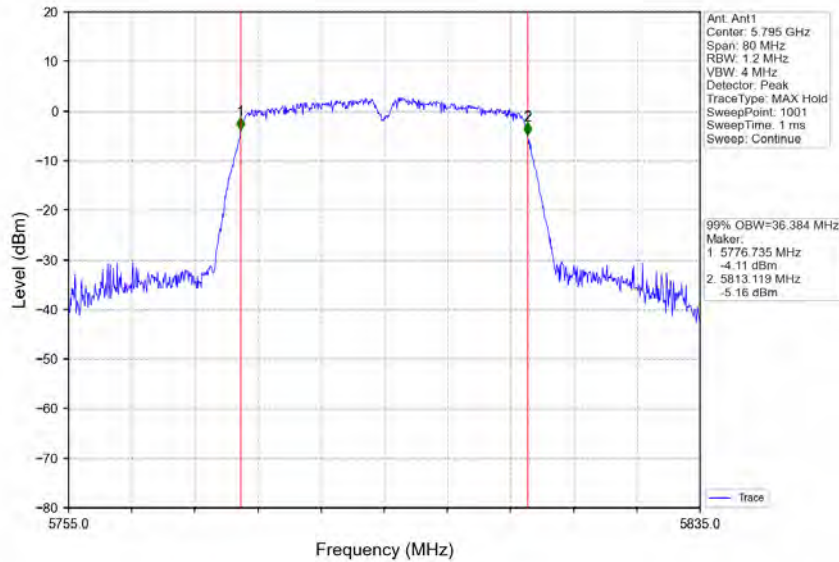
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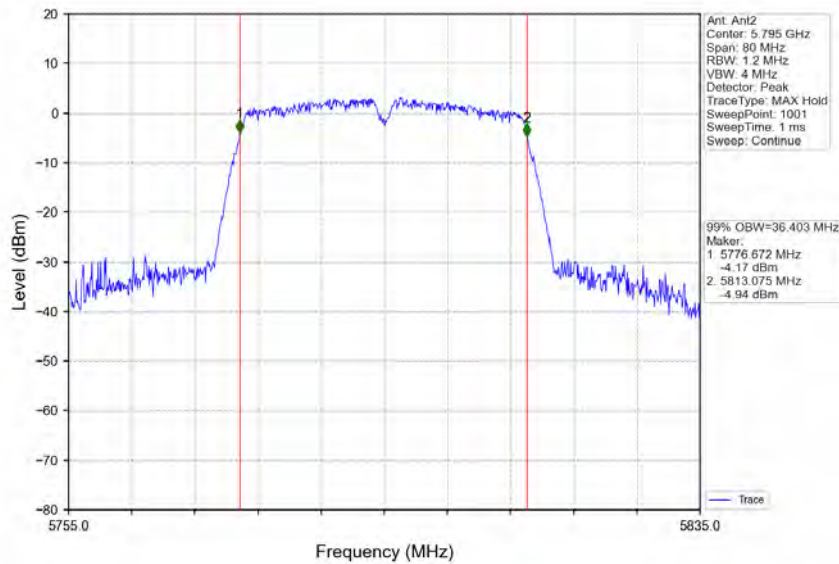
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



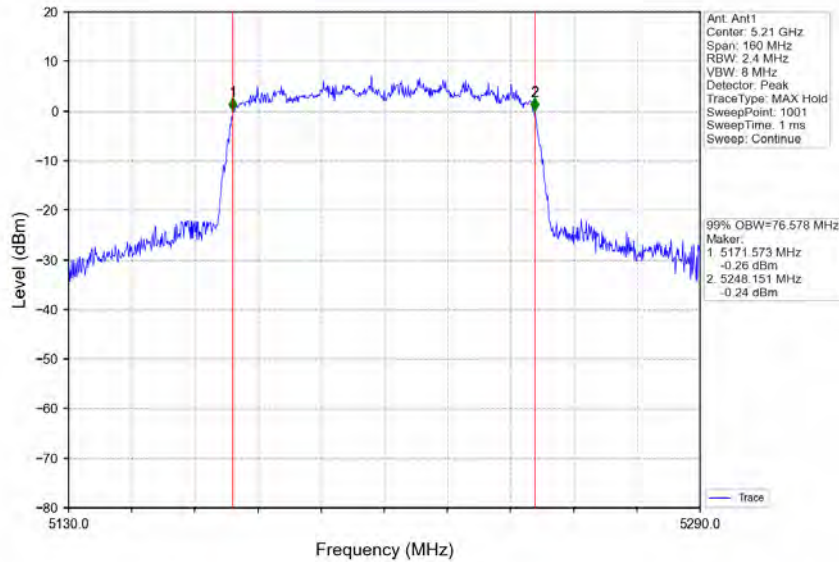
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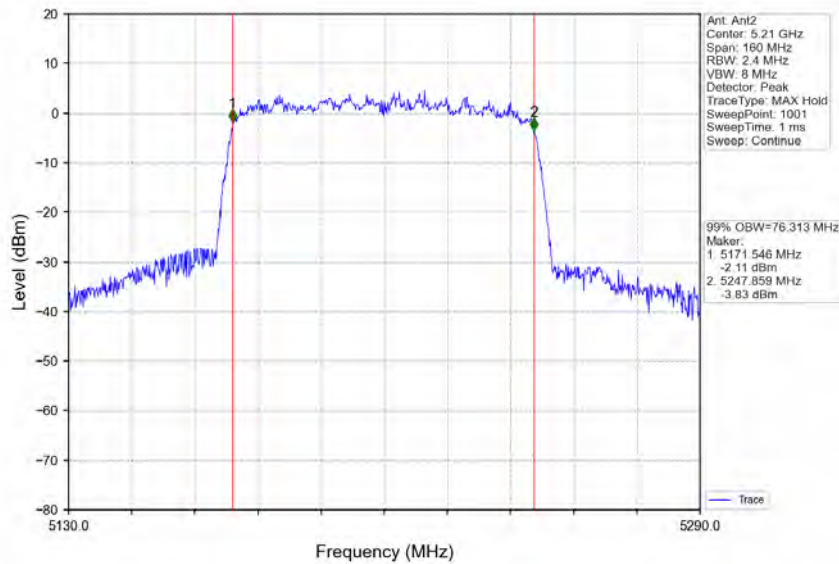
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



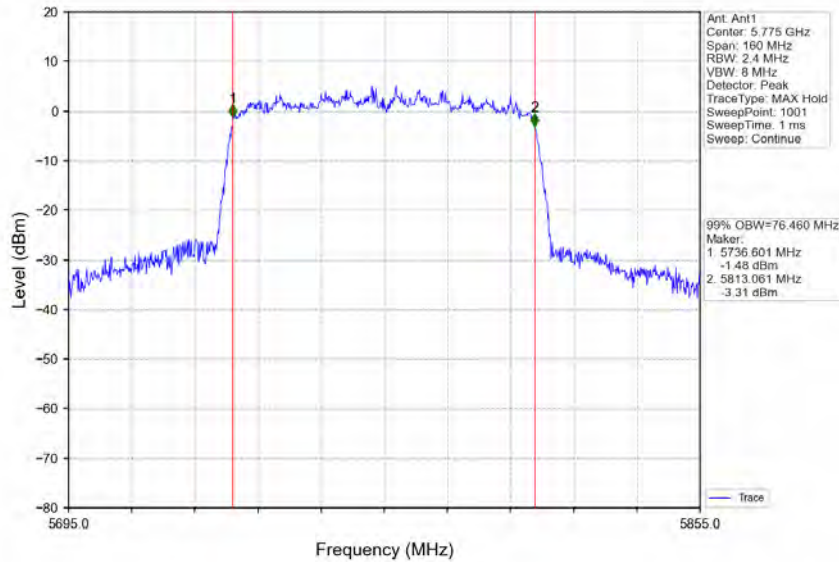
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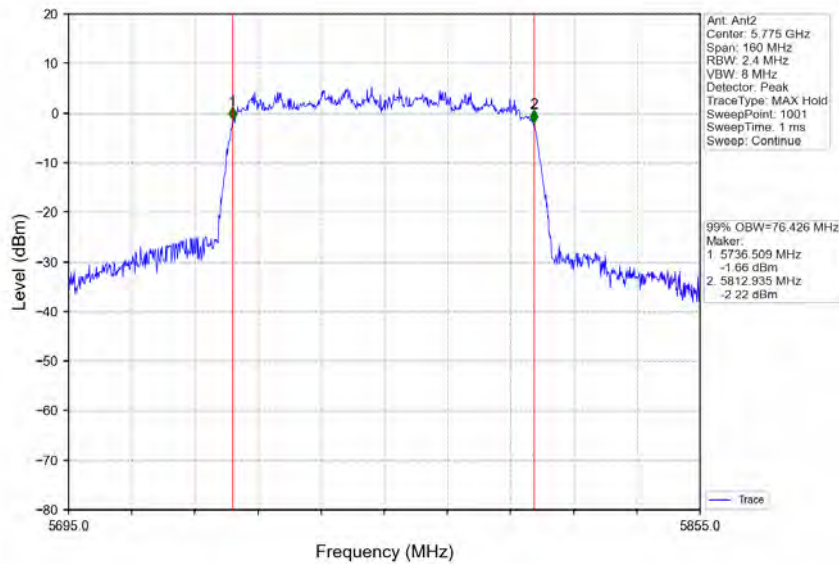
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802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_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	14.500	>=0.5	Pass
			2	15.149	>=0.5	Pass
		5785	1	15.135	>=0.5	Pass
			2	15.160	>=0.5	Pass
		5825	1	15.134	>=0.5	Pass
			2	15.143	>=0.5	Pass
802.11n (HT20)	MIMO	5745	1	15.110	>=0.5	Pass
			2	15.083	>=0.5	Pass
		5785	1	15.136	>=0.5	Pass
			2	15.098	>=0.5	Pass
		5825	1	15.834	>=0.5	Pass
			2	15.139	>=0.5	Pass
802.11n (HT40)	MIMO	5755	1	35.185	>=0.5	Pass
			2	35.190	>=0.5	Pass
		5795	1	35.137	>=0.5	Pass
			2	35.154	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	1	13.055	>=0.5	Pass
			2	16.666	>=0.5	Pass
		5785	1	15.111	>=0.5	Pass
			2	13.865	>=0.5	Pass
		5825	1	15.127	>=0.5	Pass
			2	14.214	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	1	35.131	>=0.5	Pass
			2	35.168	>=0.5	Pass
		5795	1	35.105	>=0.5	Pass
			2	35.171	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	1	75.521	>=0.5	Pass
			2	75.773	>=0.5	Pass

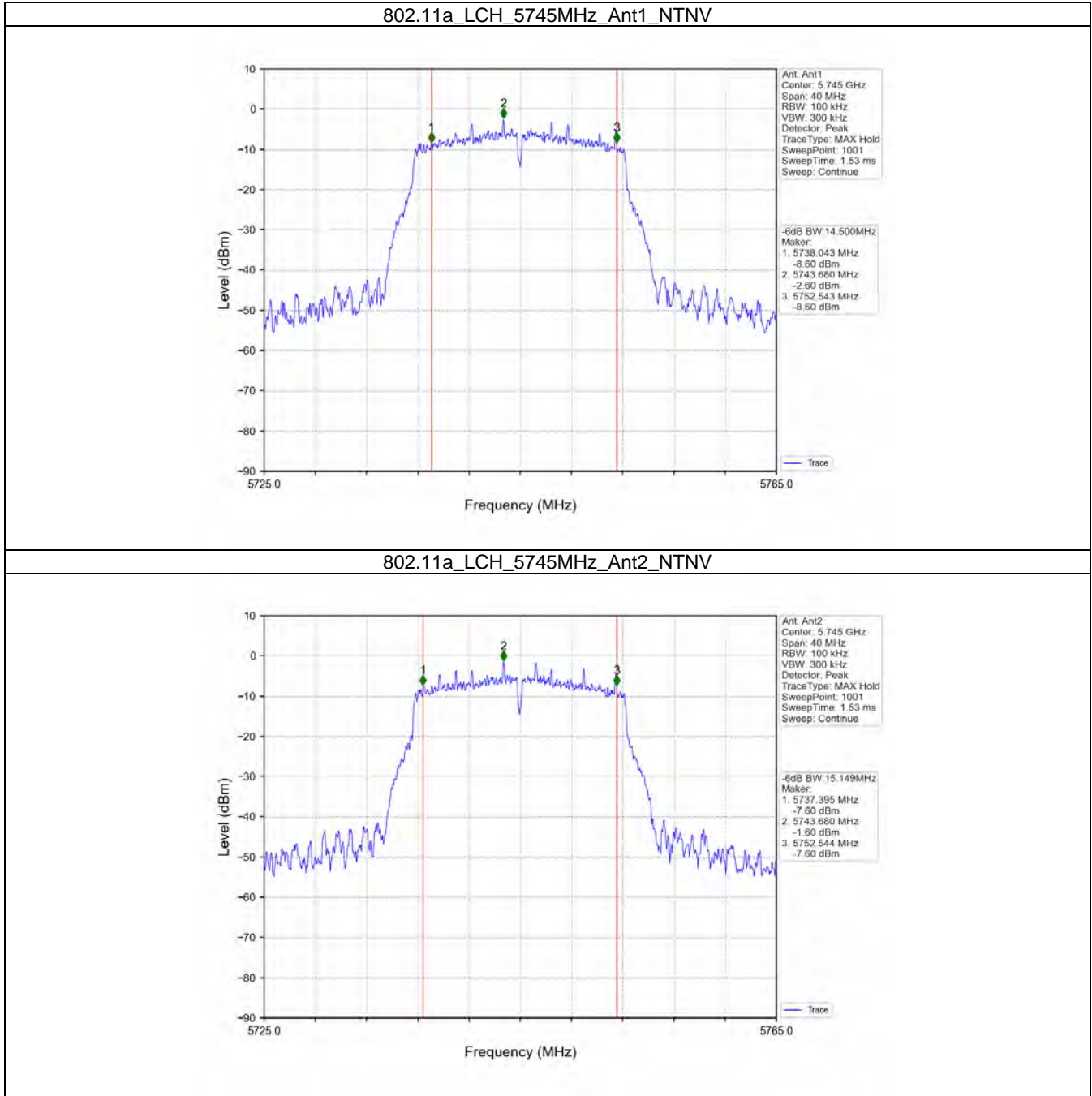


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2.2.2 Test Graph



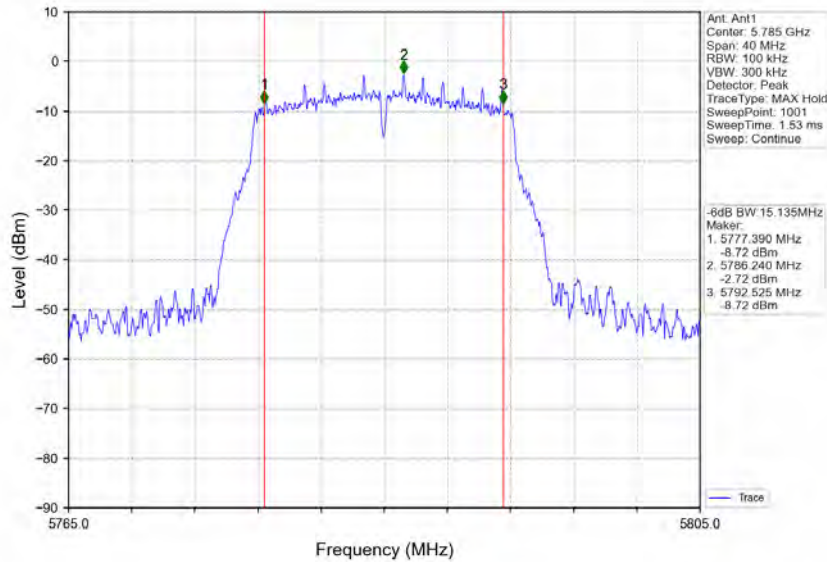
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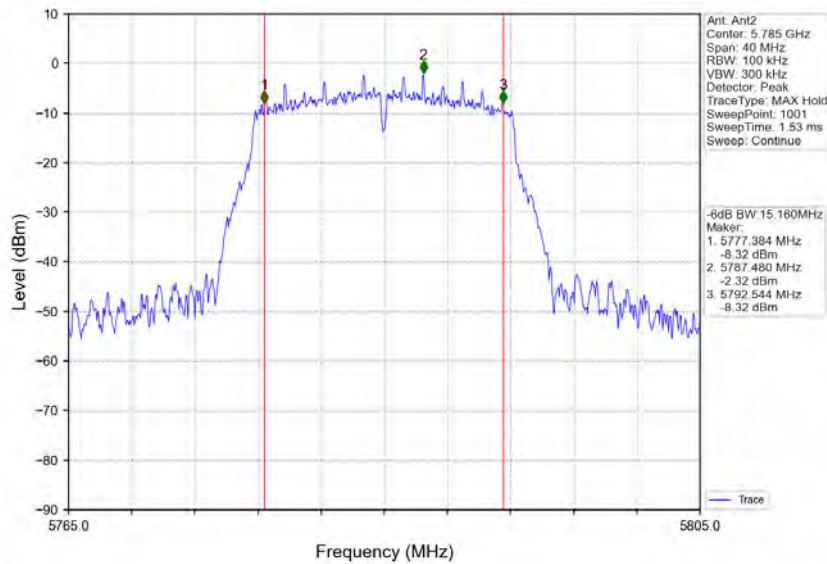
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_MCH\_5785MHz\_Ant2\_NTNV



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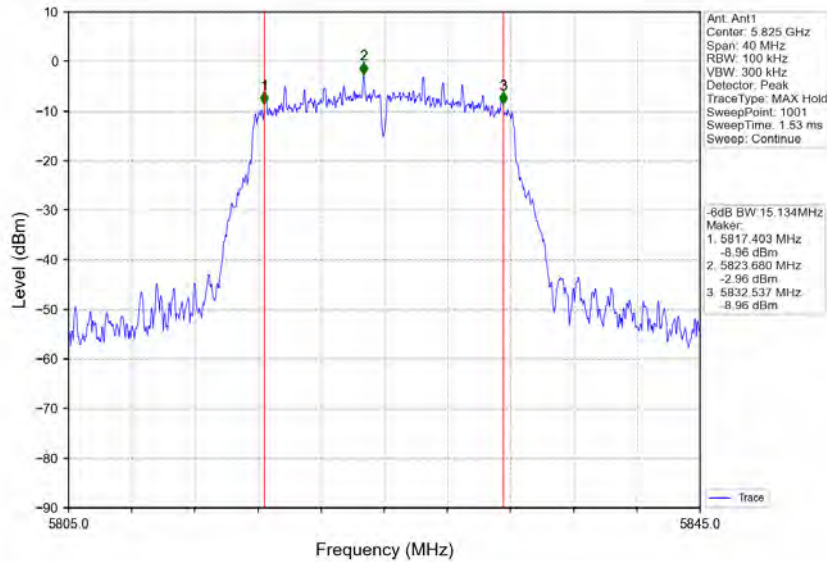
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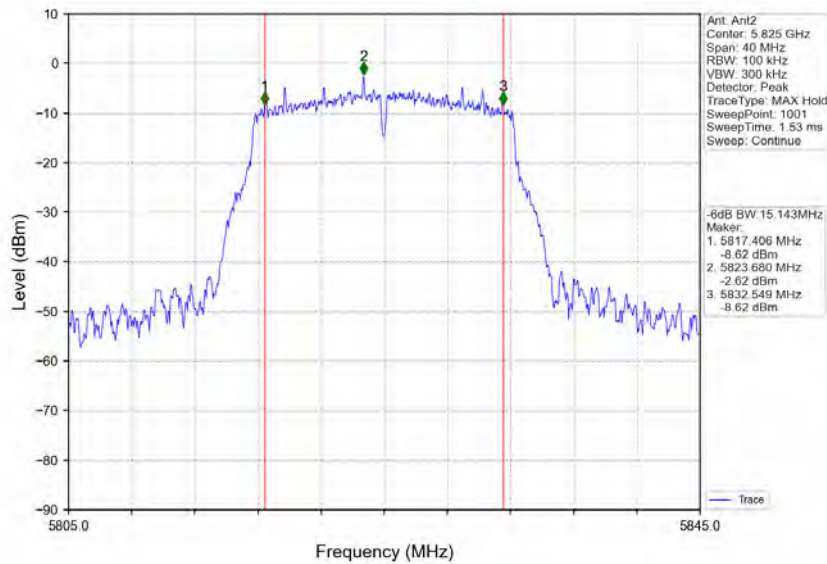
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



802.11a\_HCH\_5825MHz\_Ant2\_NTNV



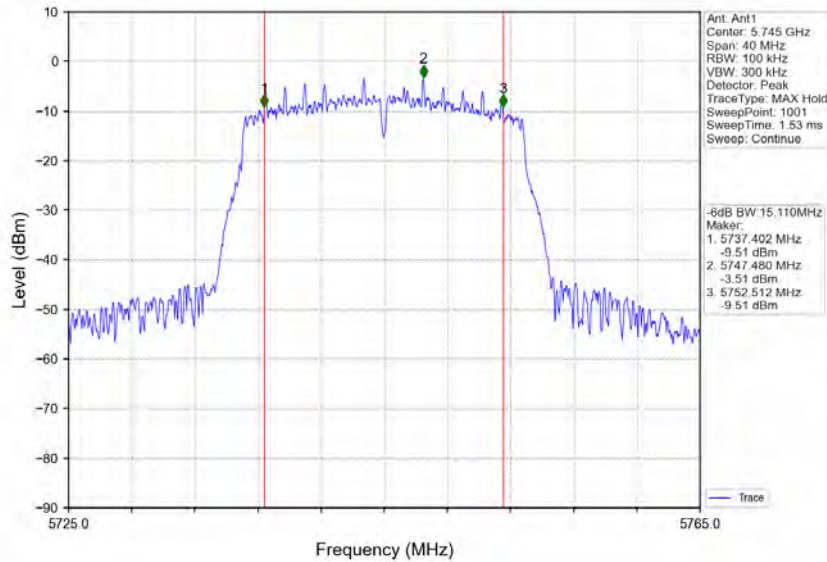
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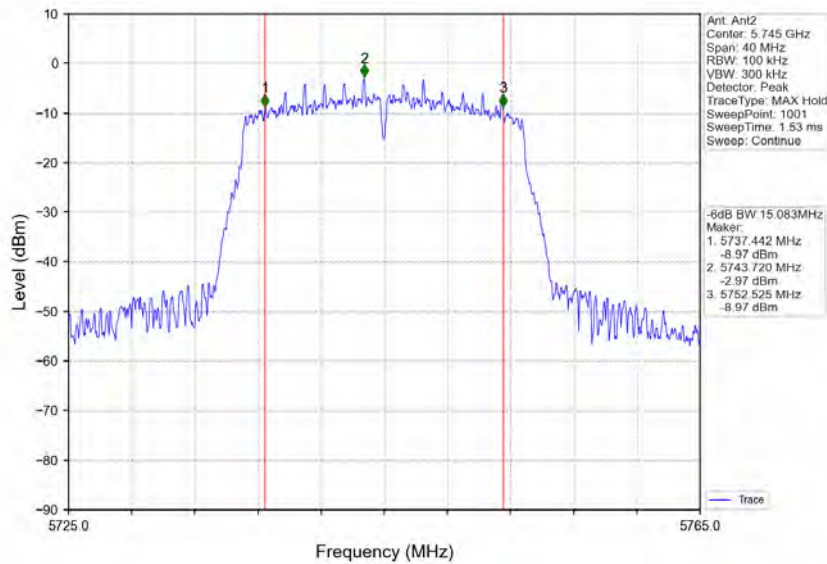
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



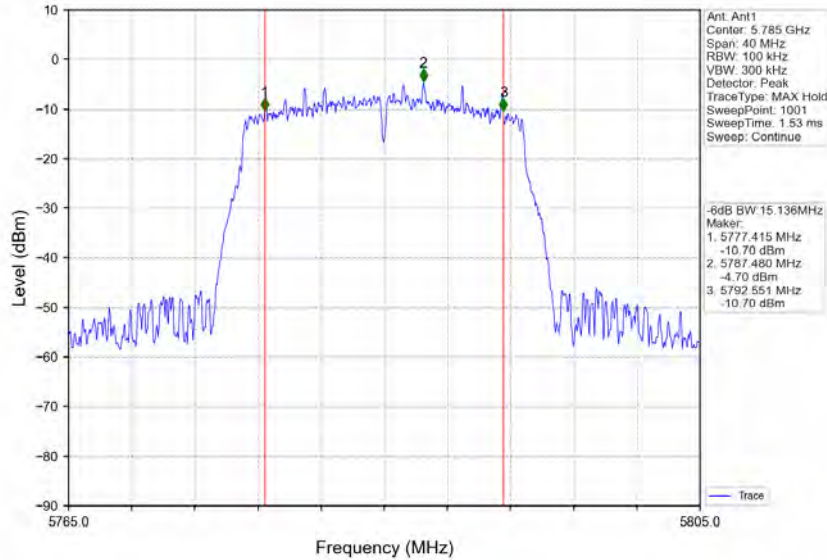
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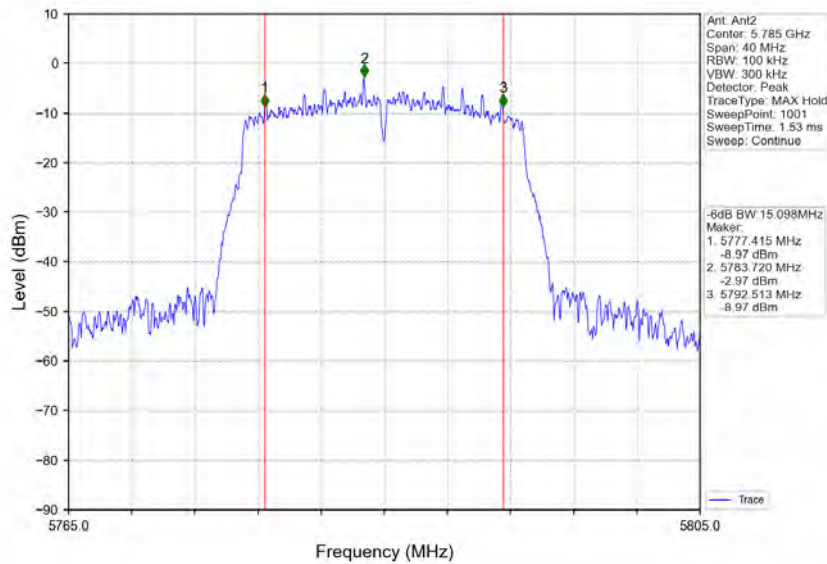
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802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV



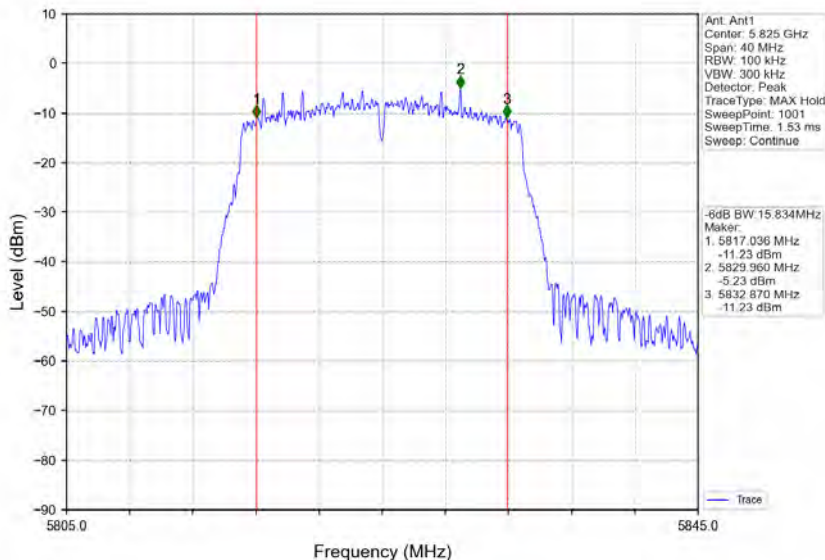
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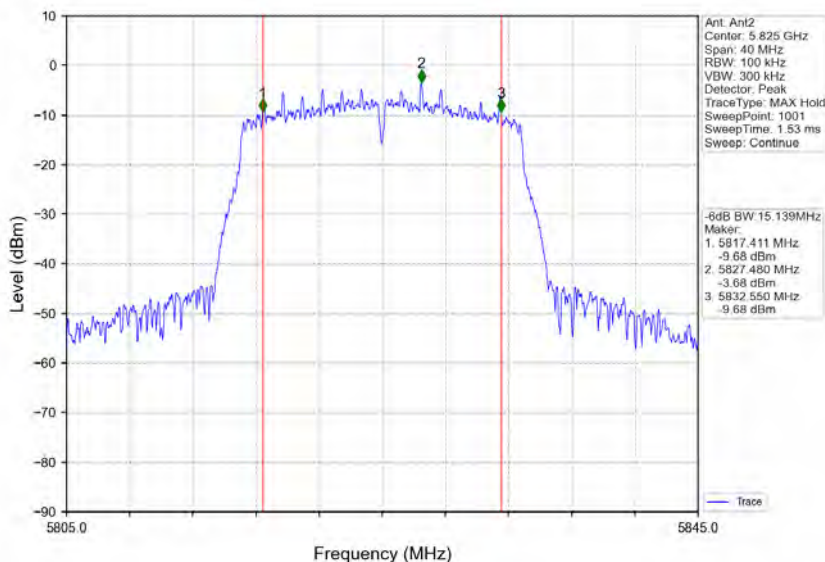
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



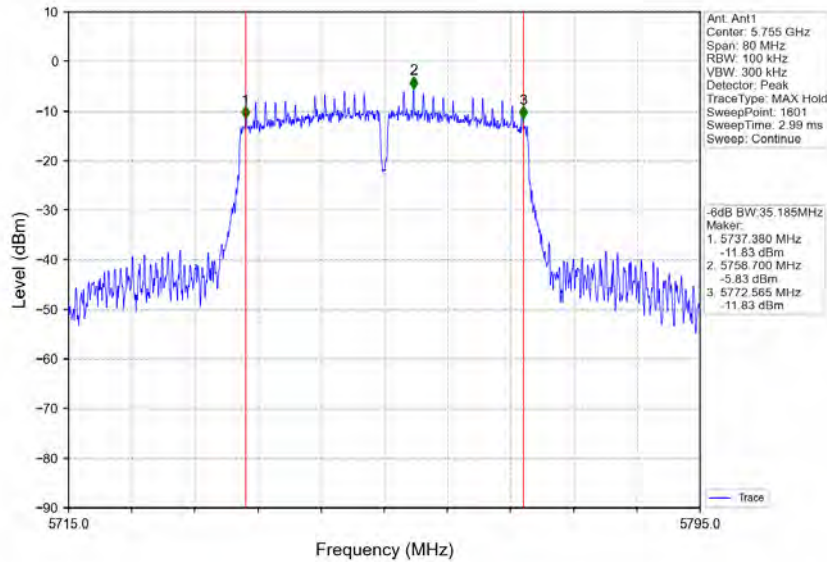
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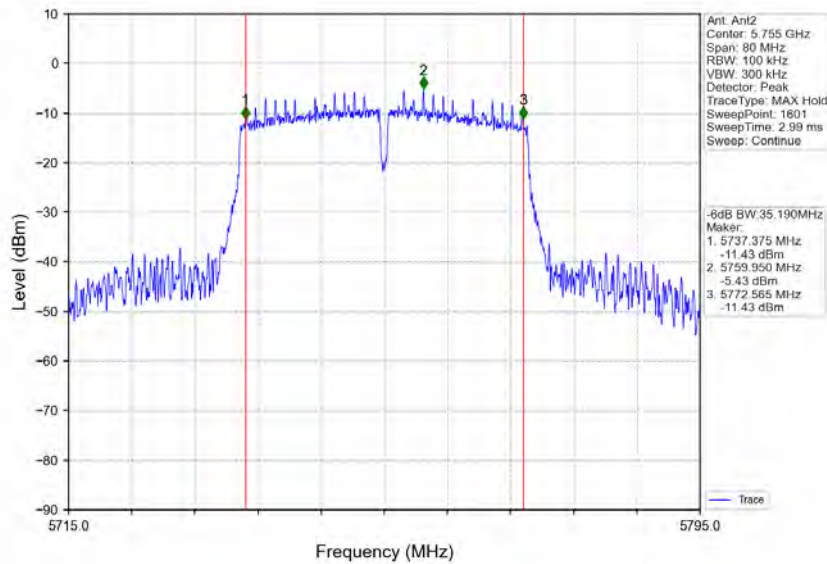
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



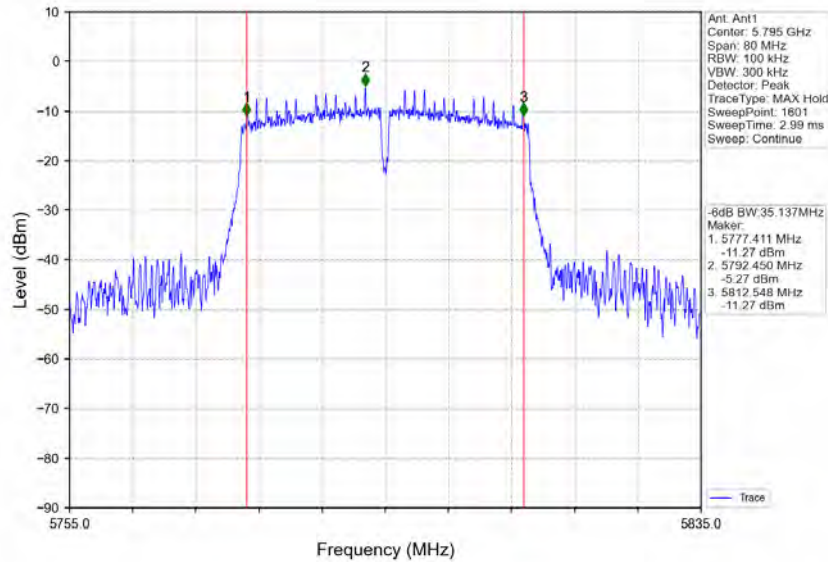
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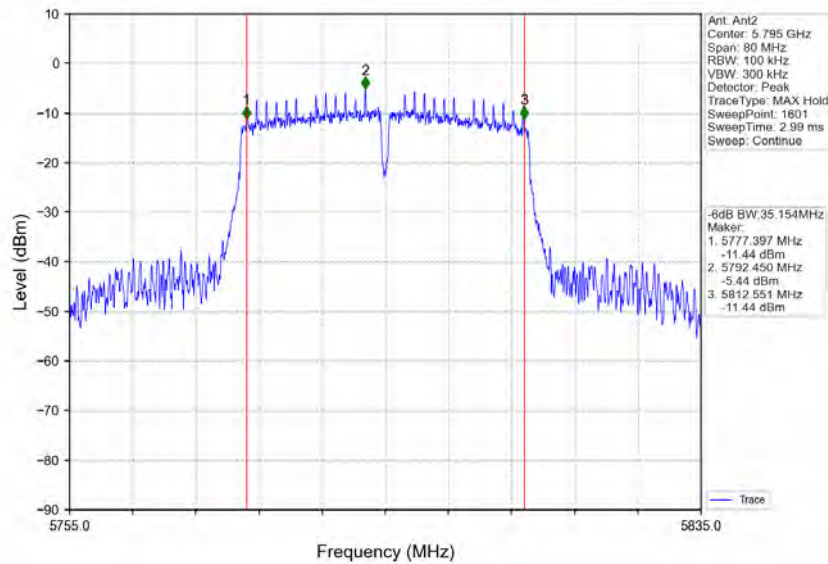
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802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



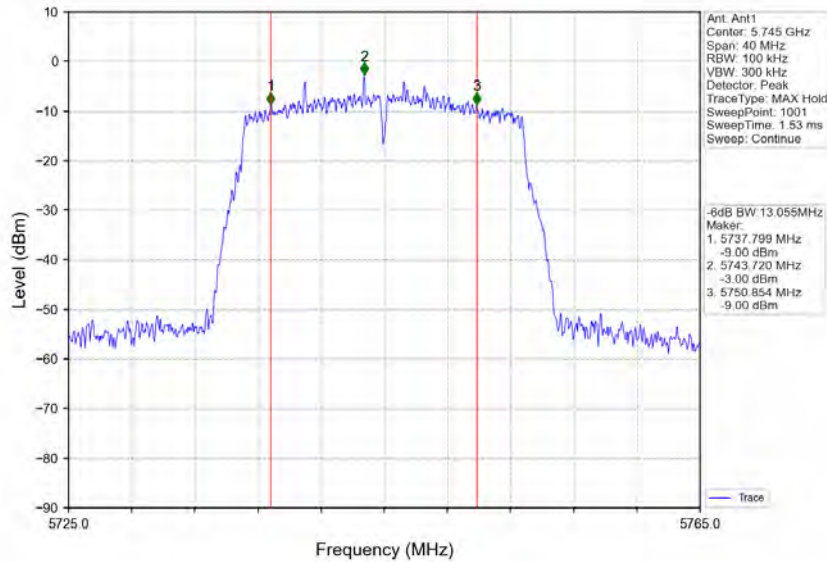
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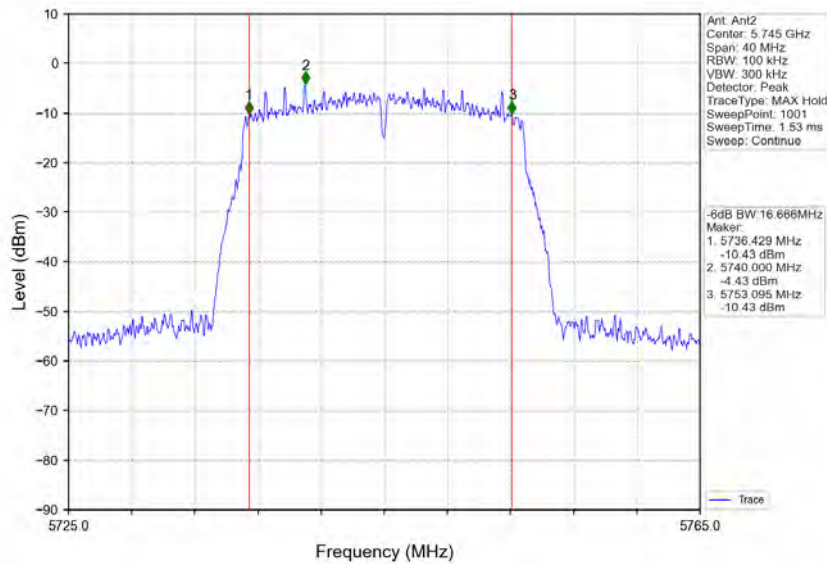
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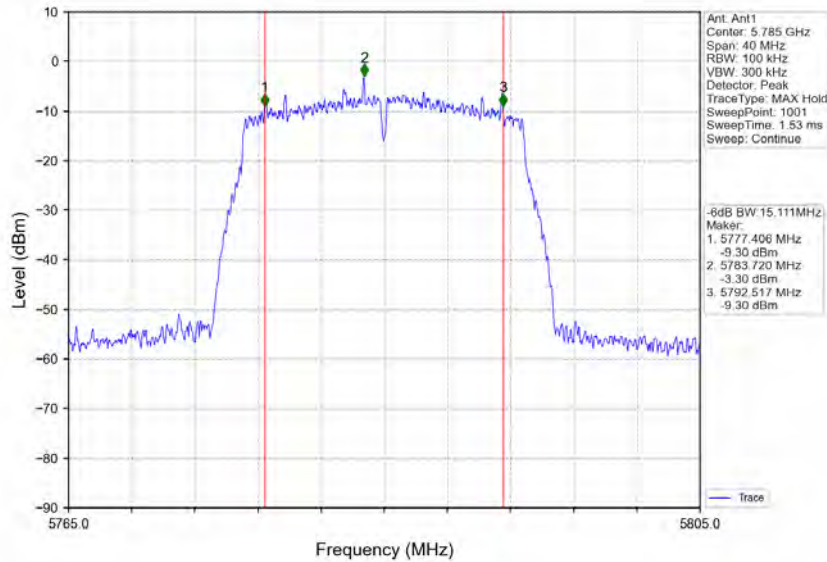


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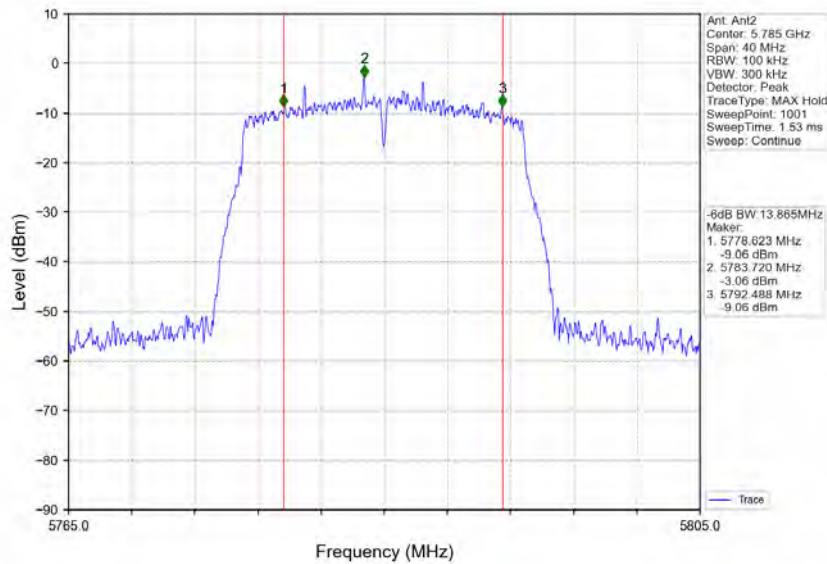
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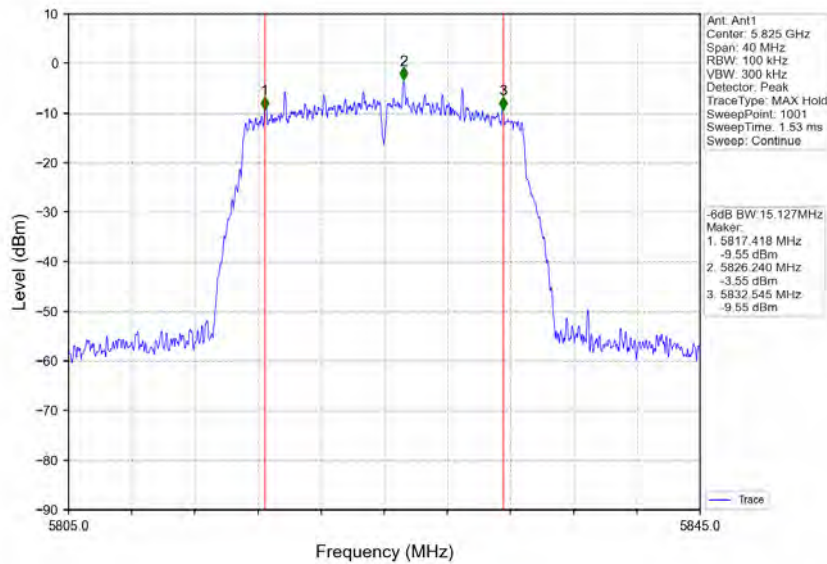
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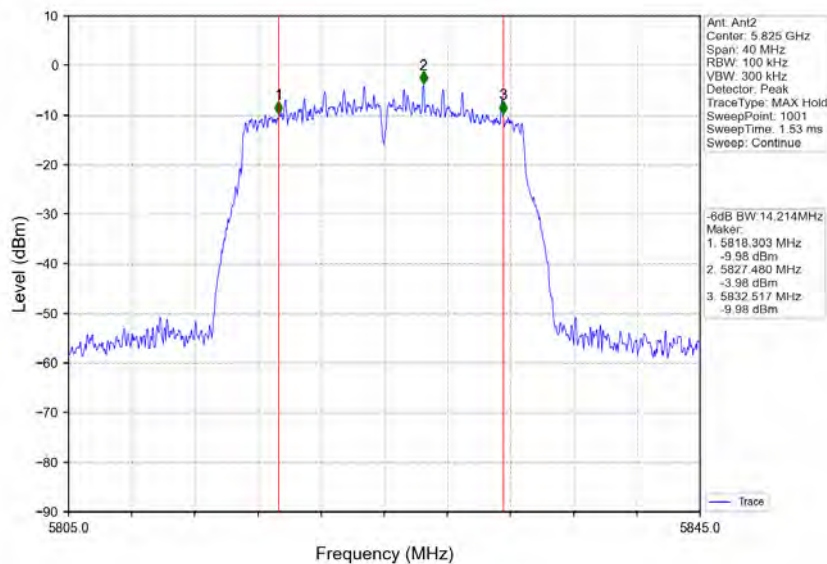
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV

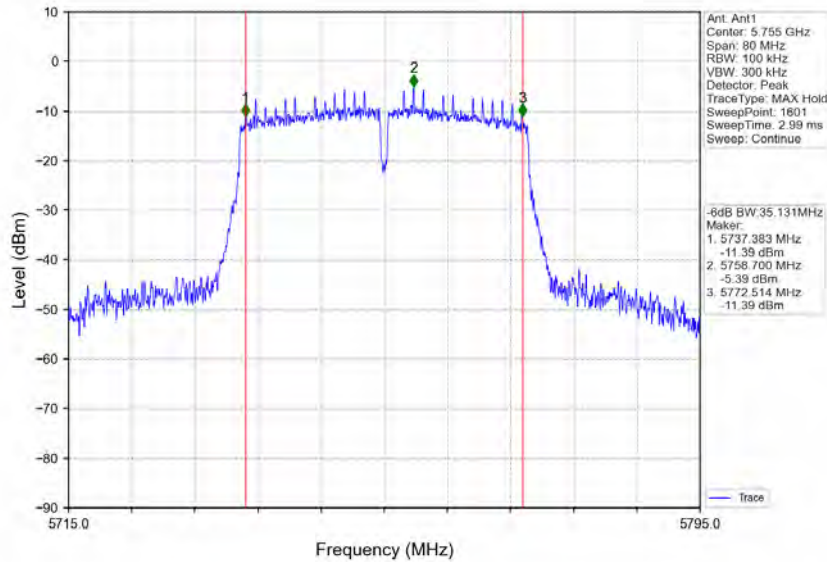


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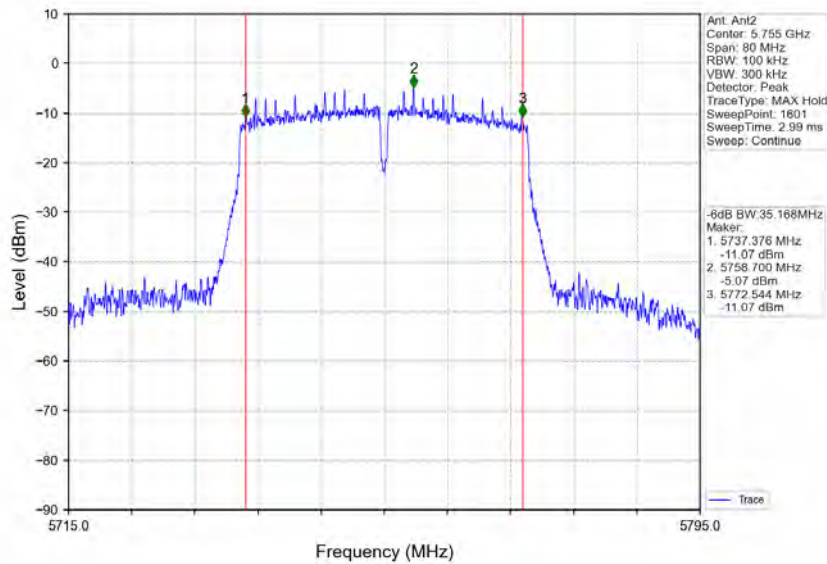
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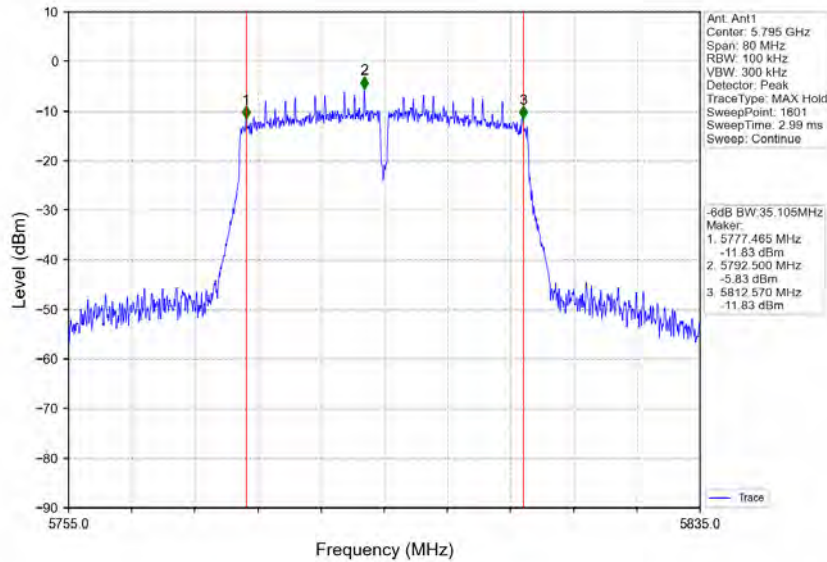
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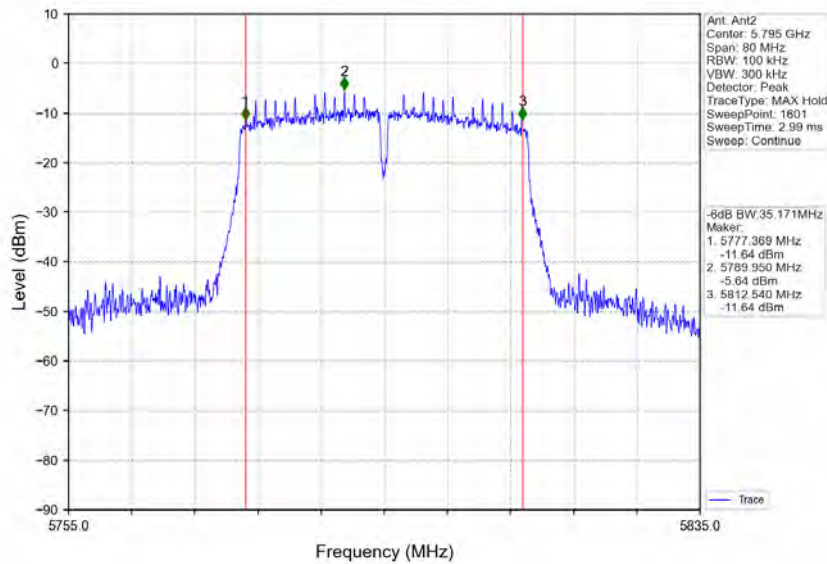
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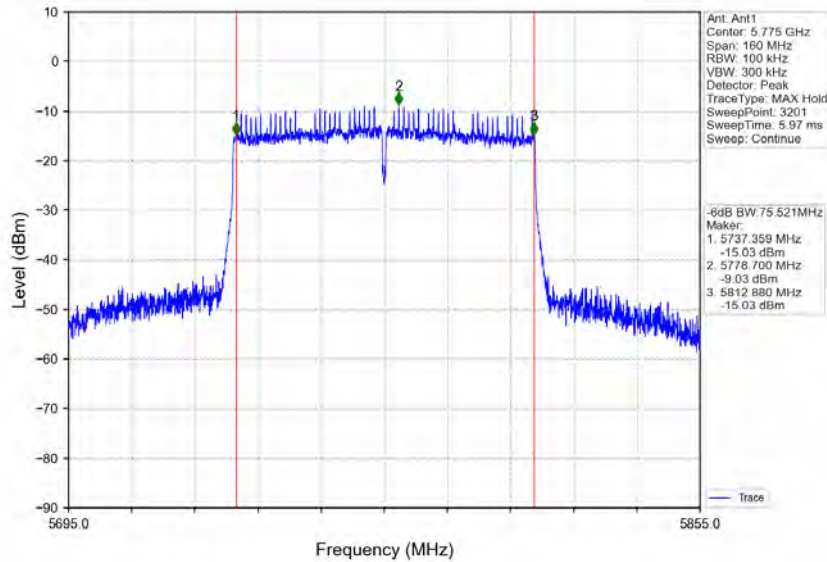
802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



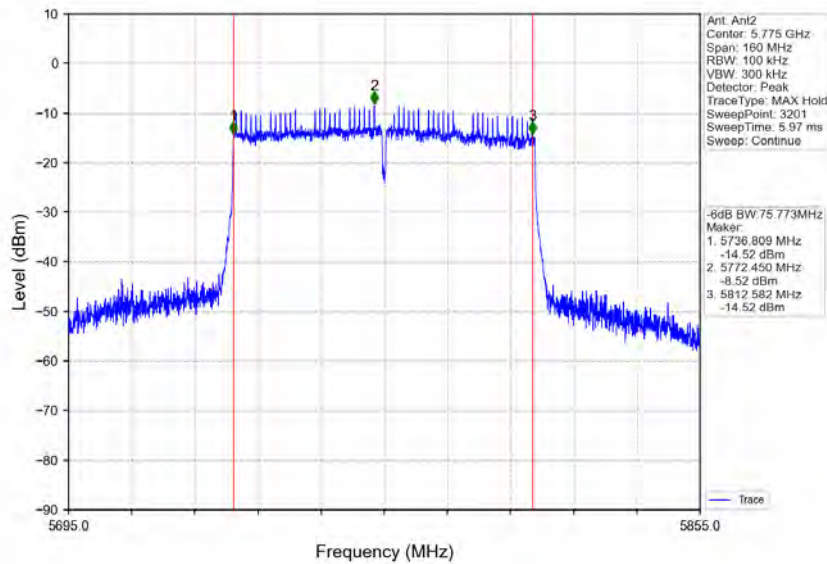
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802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_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	20.337	Pass
			2	20.538	Pass
		5200	1	20.496	Pass
			2	20.513	Pass
		5240	1	20.483	Pass
			2	20.423	Pass
802.11n (HT20)	MIMO	5180	1	20.815	Pass
			2	20.787	Pass
		5200	1	20.944	Pass
			2	20.805	Pass
		5240	1	20.793	Pass
			2	20.801	Pass
802.11n (HT40)	MIMO	5190	1	60.853	Pass
			2	41.440	Pass
		5230	1	45.046	Pass
			2	41.406	Pass
802.11ac (VHT20)	MIMO	5180	1	20.670	Pass
			2	20.800	Pass
		5200	1	20.776	Pass
			2	20.663	Pass
		5240	1	20.667	Pass
			2	20.832	Pass
802.11ac (VHT40)	MIMO	5190	1	41.339	Pass
			2	41.422	Pass
		5230	1	41.304	Pass
			2	41.274	Pass
802.11ac (VHT80)	MIMO	5210	1	83.133	Pass
			2	83.253	Pass



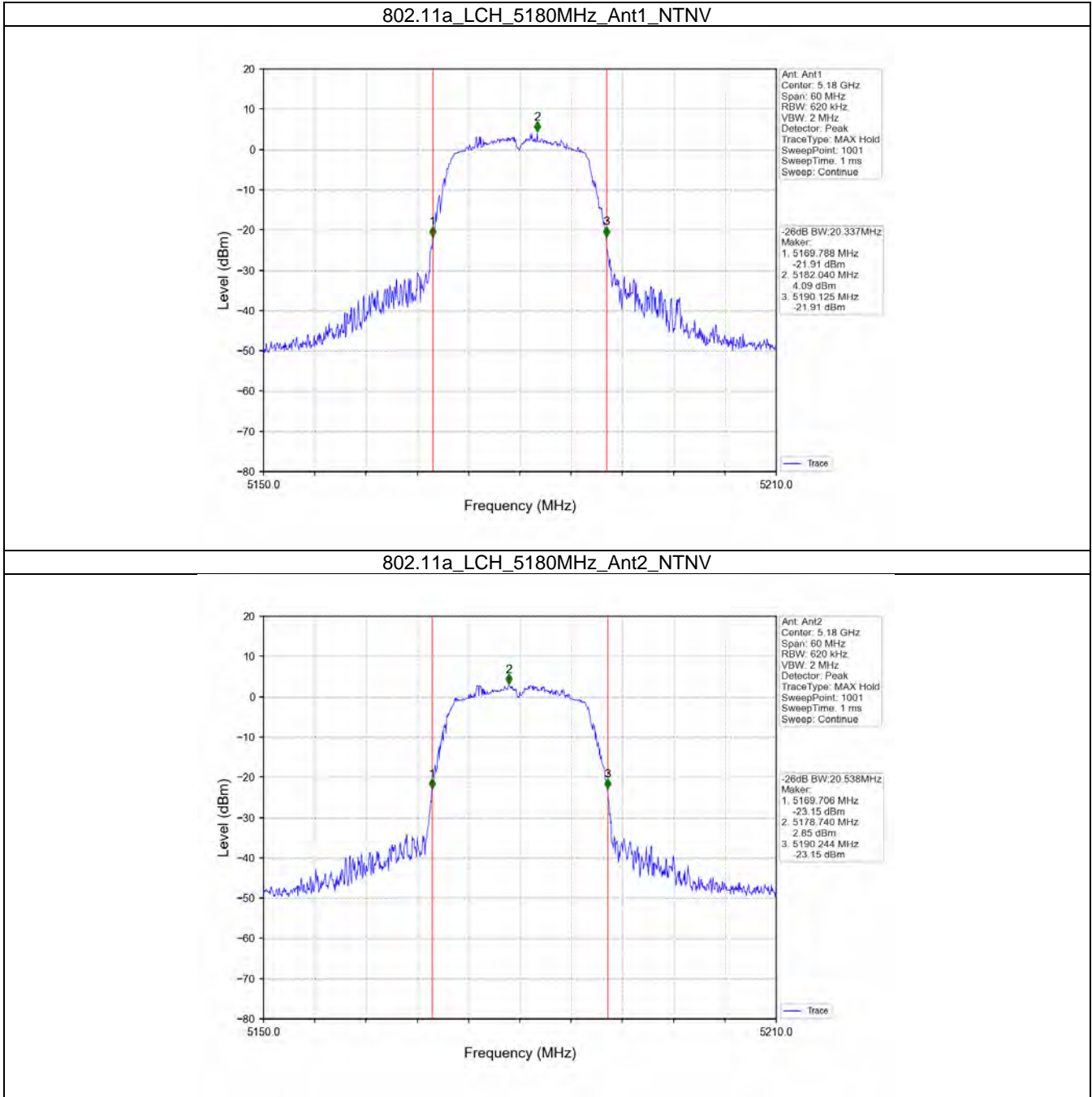
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2.3.2 Test Graph



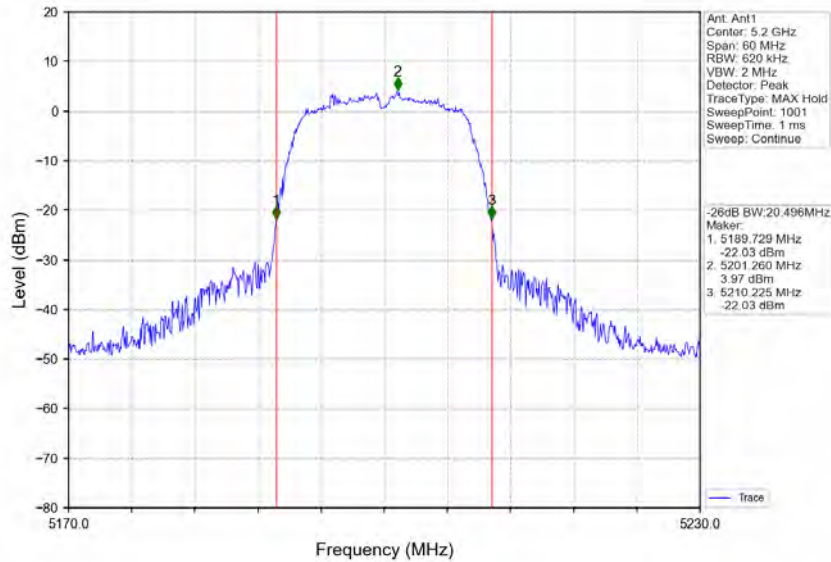
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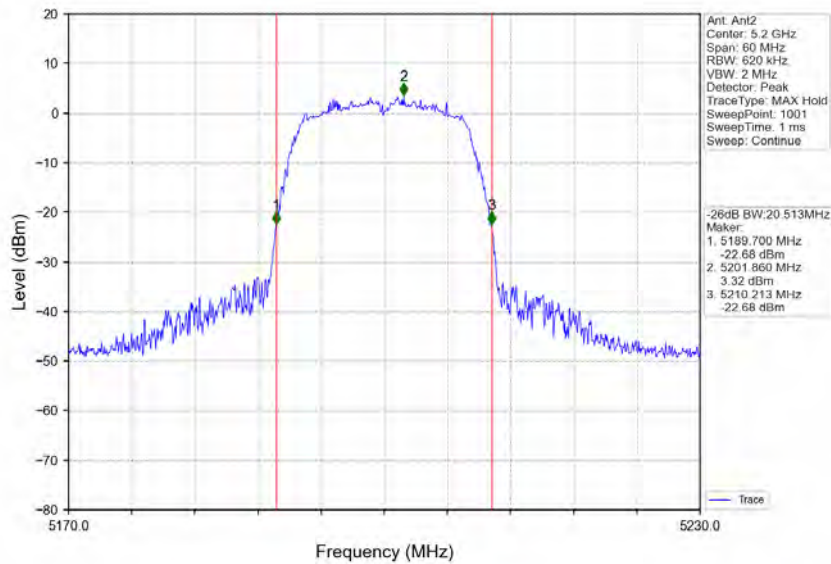
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



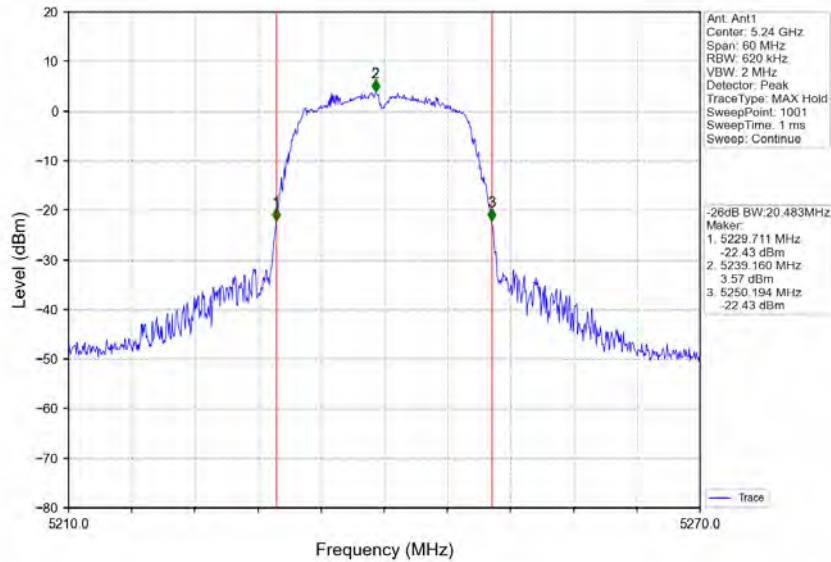
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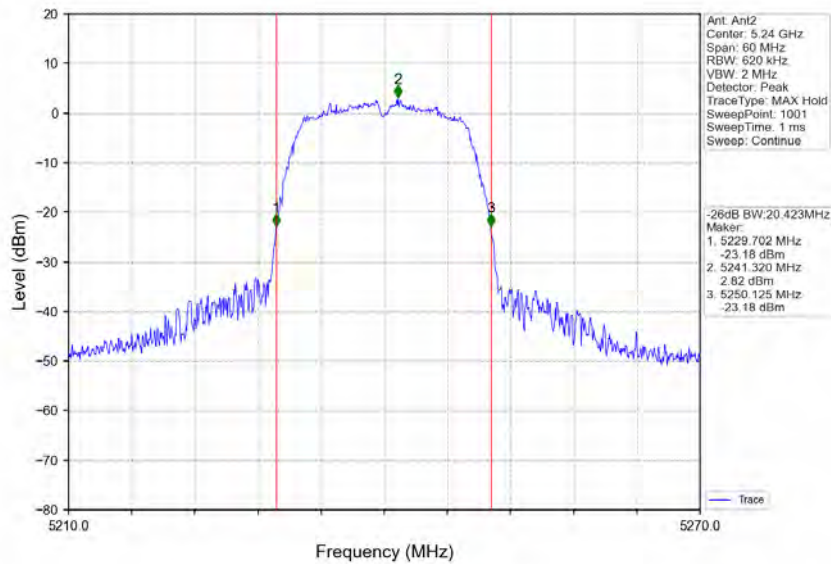
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



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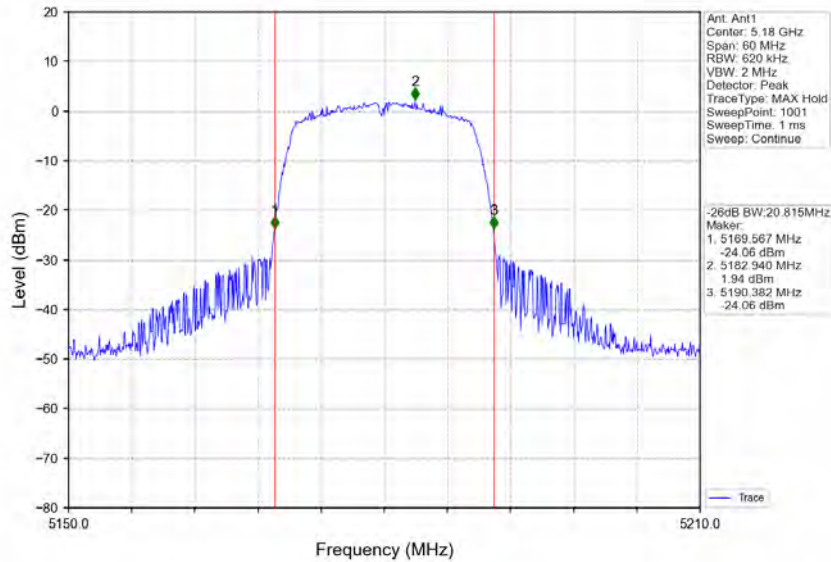
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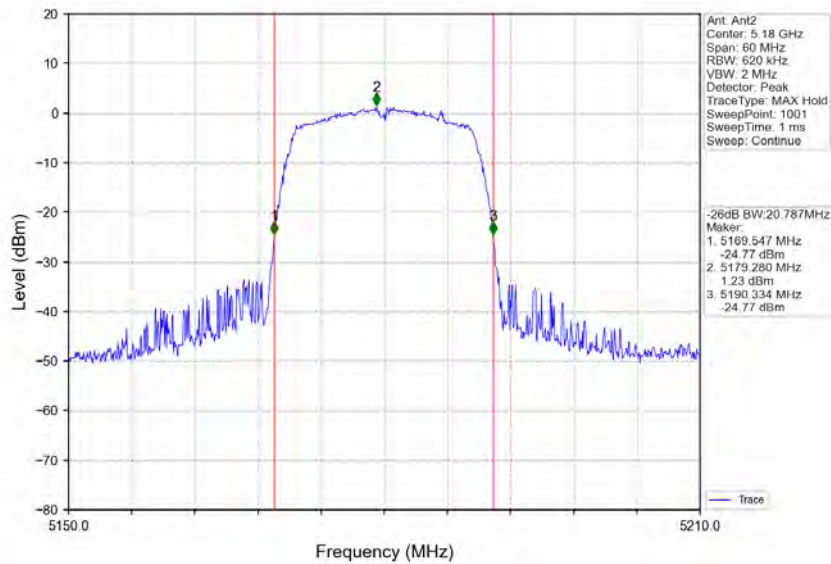
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



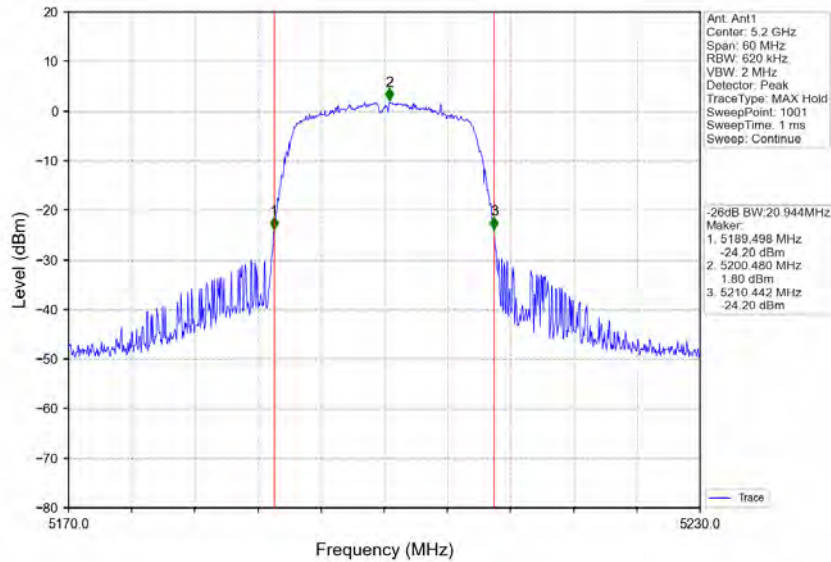
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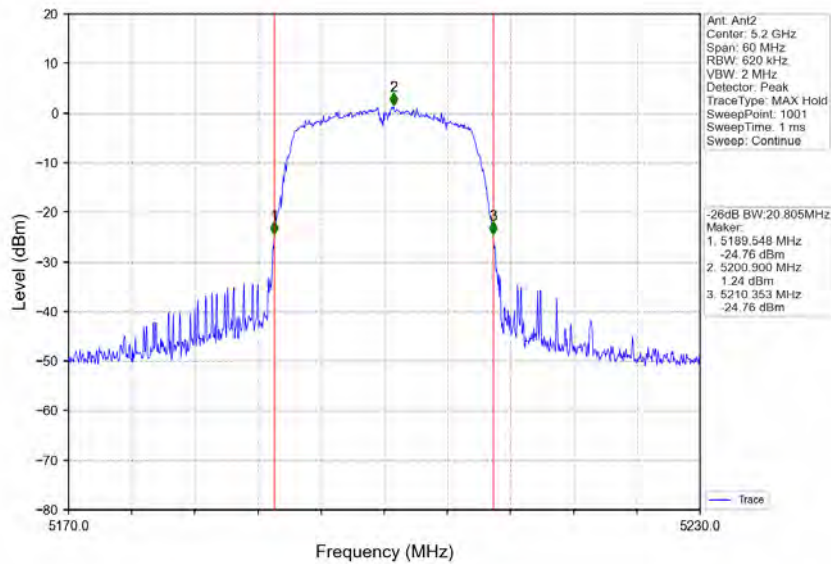
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



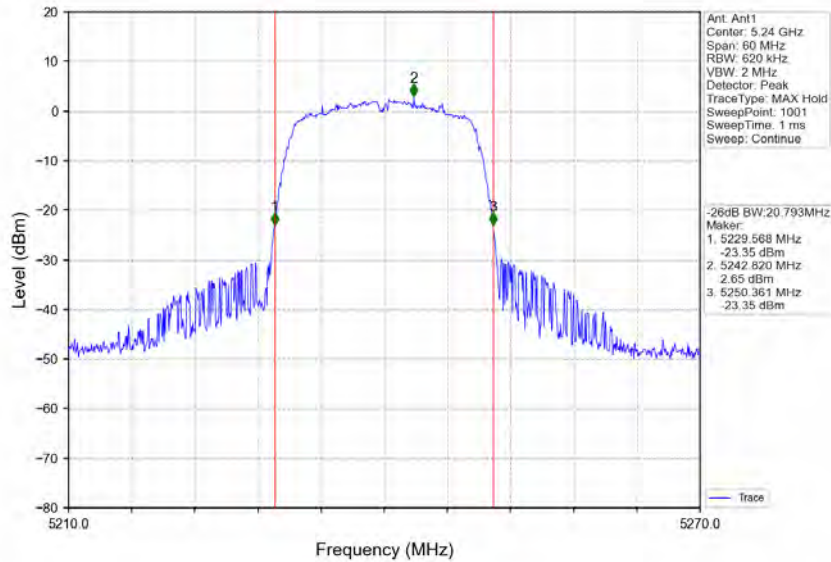
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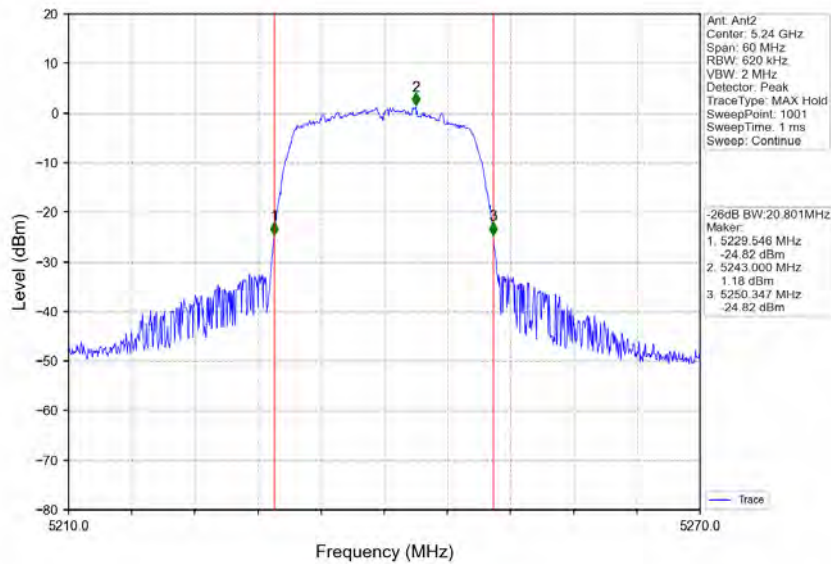
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



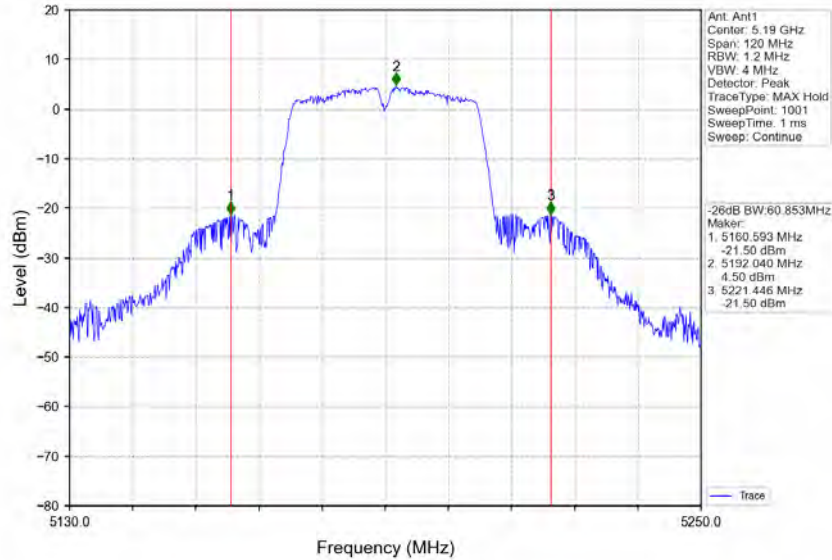
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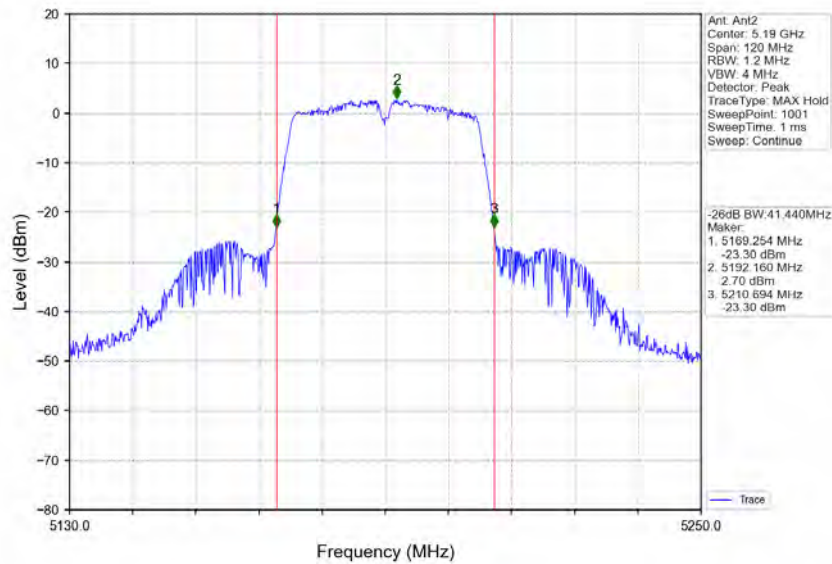
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



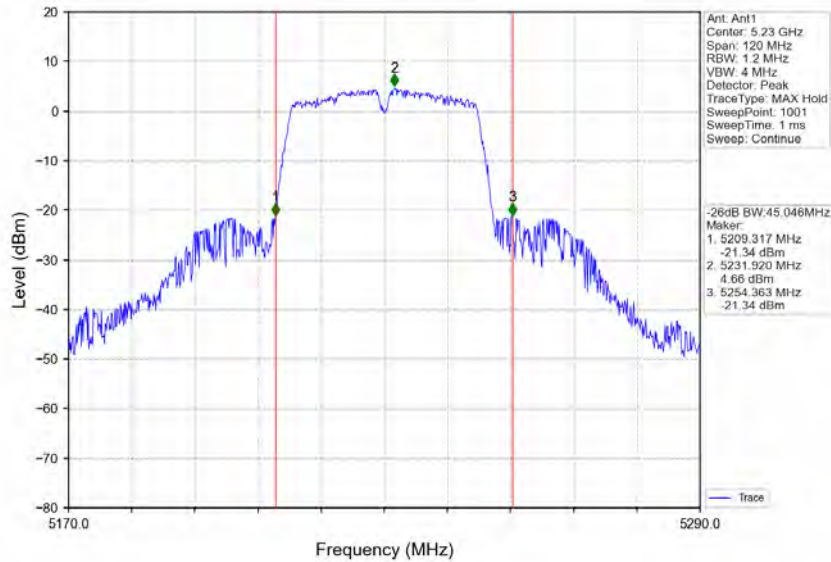
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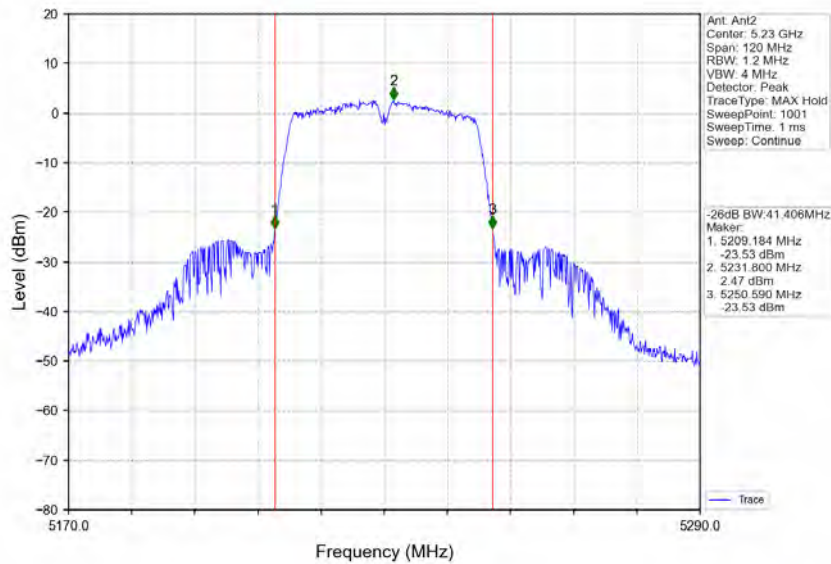
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



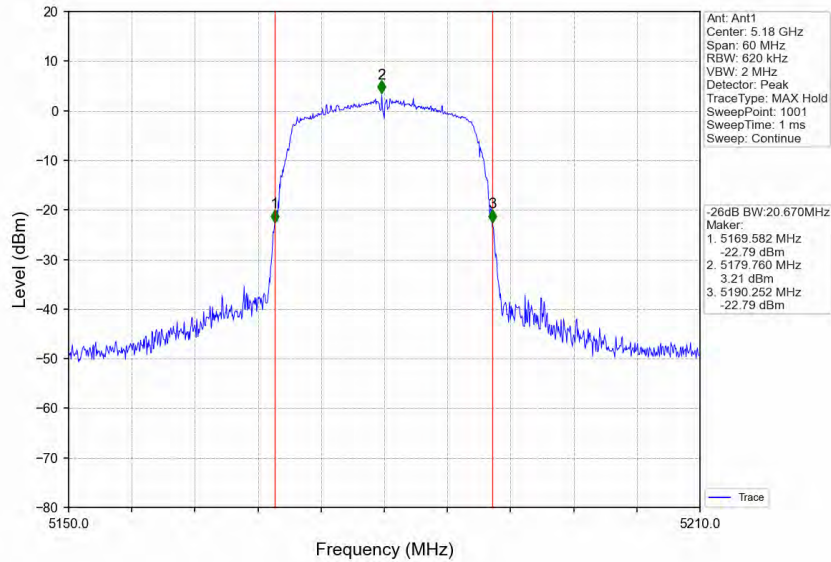
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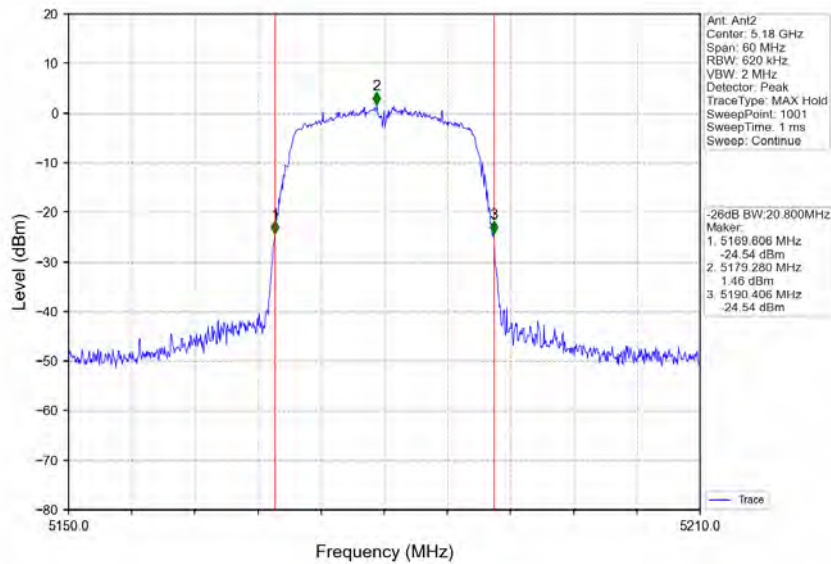
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



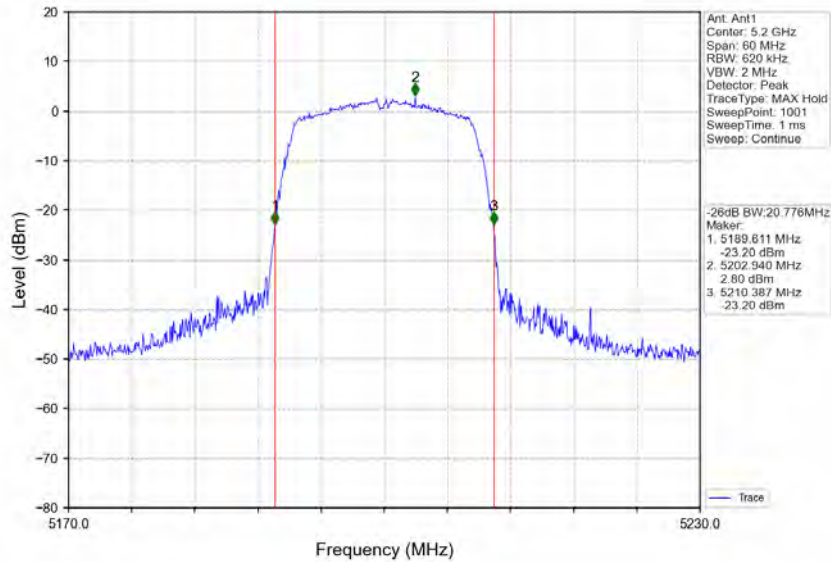
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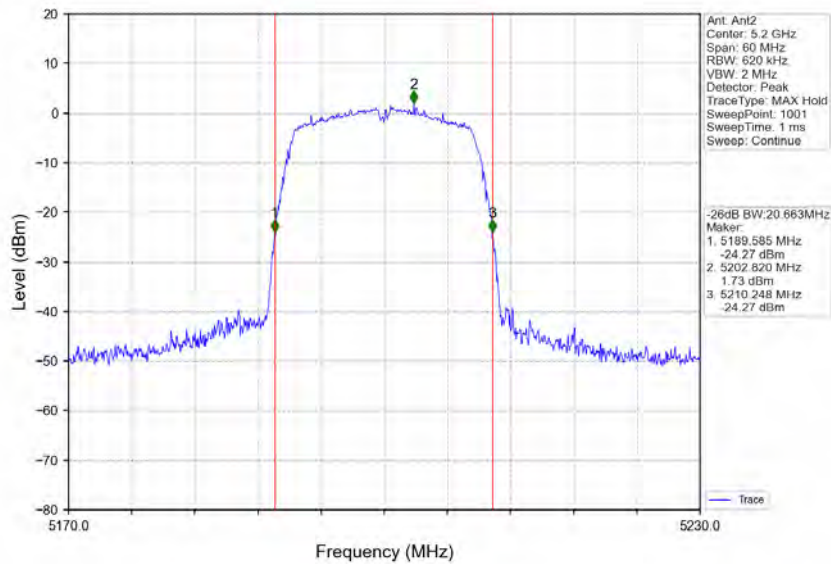
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



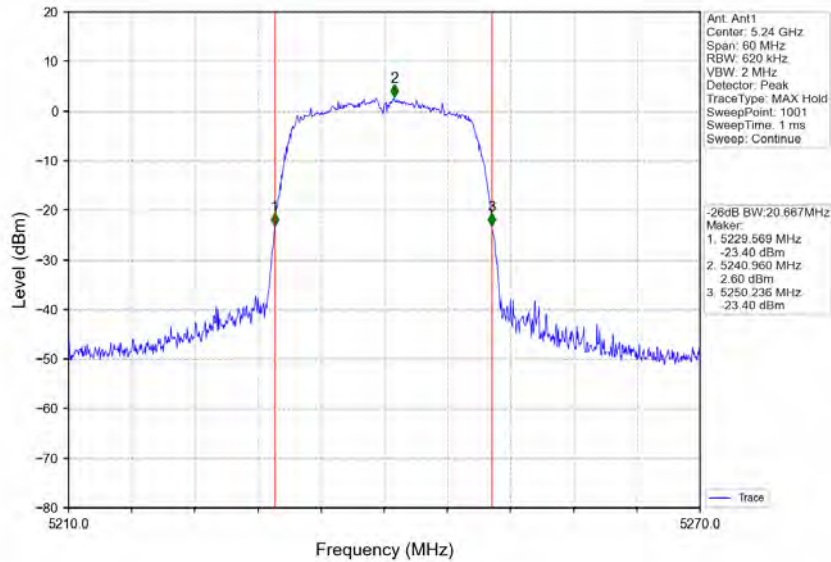
802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



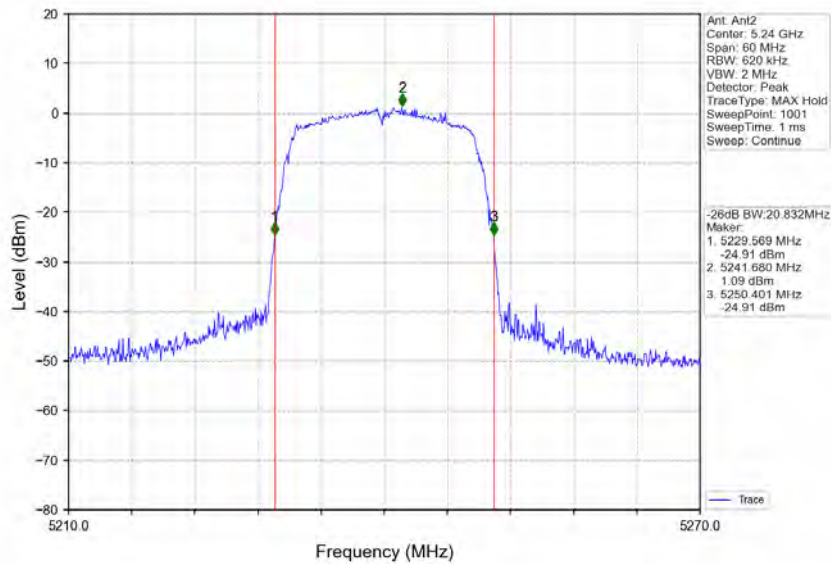
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV

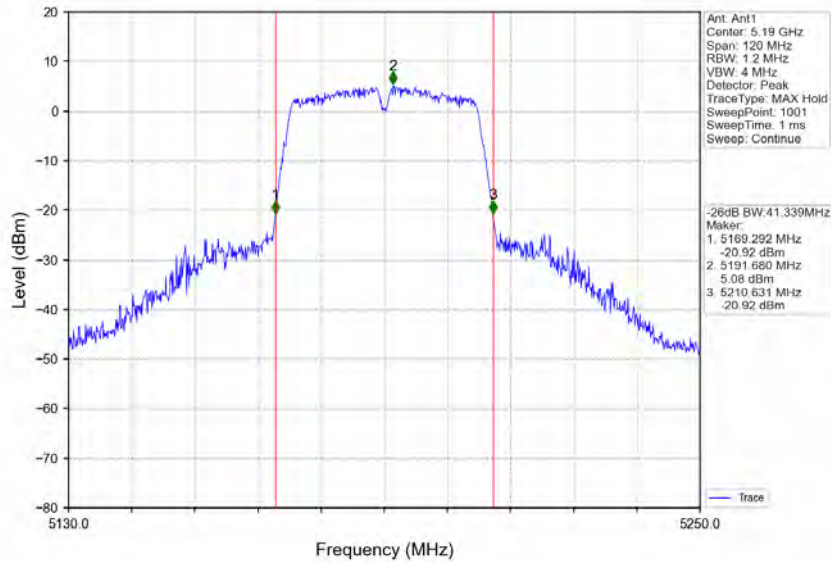


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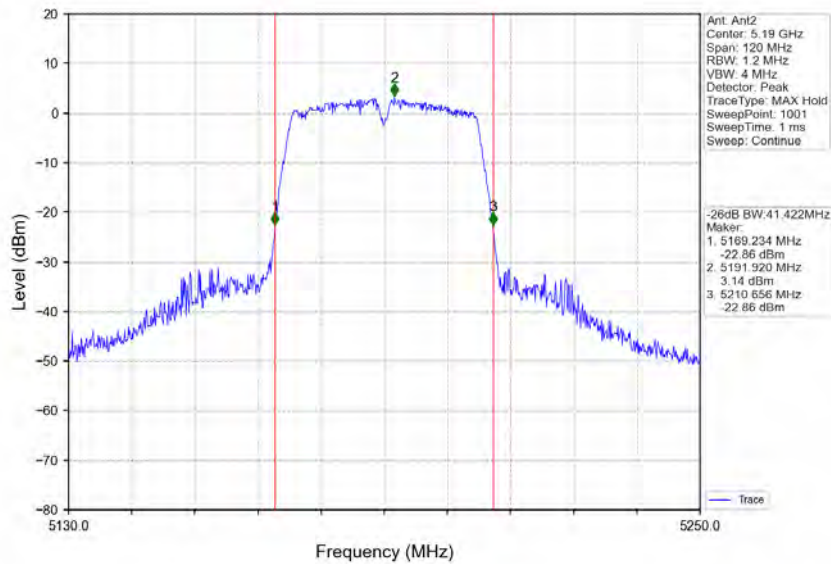
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



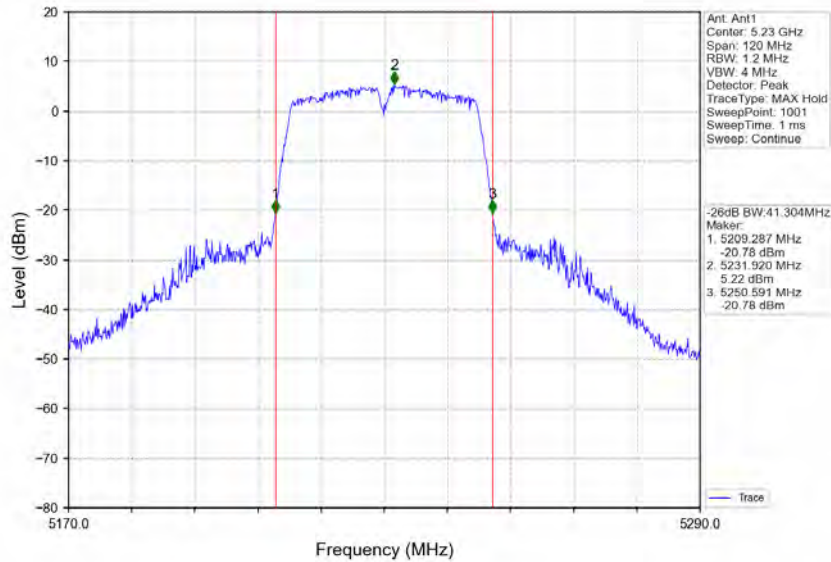
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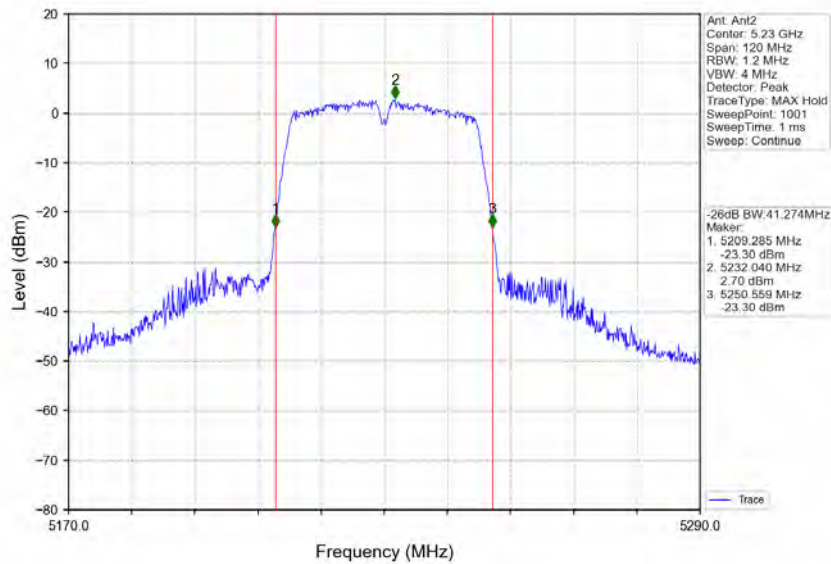
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



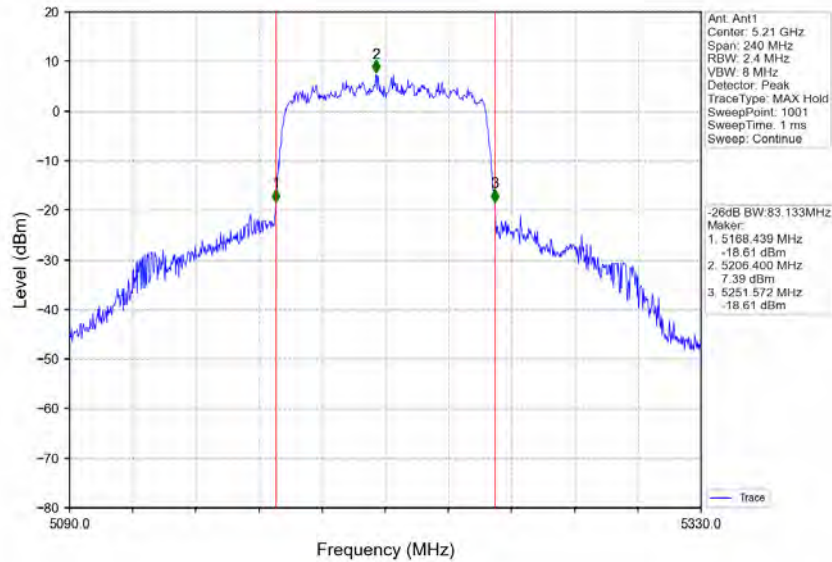
802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



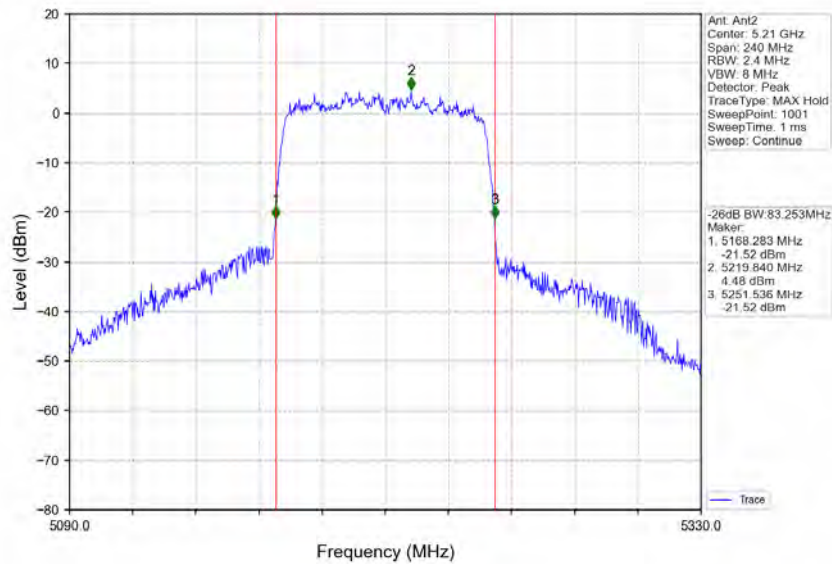
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result for FCC

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	8.93	8.46	/	<=23.98	Pass
		5200	9.04	8.30	/	<=23.98	Pass
		5240	9.26	7.92	/	<=23.98	Pass
		5745	8.33	8.91	/	<=30	Pass
		5785	7.79	8.45	/	<=30	Pass
		5825	7.63	8.07	/	<=30	Pass
802.11n (HT20)	MIMO	5180	7.93	7.22	10.60	<=23.98	Pass
		5200	7.88	7.23	10.58	<=23.98	Pass
		5240	8.13	6.77	10.51	<=23.98	Pass
		5745	7.19	7.68	10.45	<=30	Pass
		5785	6.55	7.01	9.80	<=30	Pass
		5825	6.60	6.90	9.76	<=30	Pass
802.11n (HT40)	MIMO	5190	9.05	7.15	11.21	<=23.98	Pass
		5230	9.15	6.96	11.20	<=23.98	Pass
		5755	7.46	8.18	10.85	<=30	Pass
		5795	7.51	7.53	10.53	<=30	Pass
802.11ac (VHT20)	MIMO	5180	8.43	7.31	10.92	<=23.98	Pass
		5200	8.38	7.28	10.88	<=23.98	Pass
		5240	8.57	6.89	10.82	<=23.98	Pass
		5745	7.58	7.76	10.68	<=30	Pass
		5785	6.91	7.21	10.07	<=30	Pass
		5825	6.63	6.97	9.81	<=30	Pass
802.11ac (VHT40)	MIMO	5190	9.66	7.60	11.76	<=23.98	Pass
		5230	9.80	7.16	11.69	<=23.98	Pass
		5755	7.96	8.32	11.15	<=30	Pass
		5795	7.32	7.72	10.53	<=30	Pass
802.11ac (VHT80)	MIMO	5210	9.83	7.38	11.79	<=23.98	Pass
		5775	7.65	8.12	10.90	<=30	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;  
 Note2: Directional Gain: 4.62dBi

##### 3.1.2 Test Result for IC

Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	11.23	9.24	/	<=23.01	Pass
		5200	11.34	9.08	/	<=23.01	Pass
		5240	11.56	8.70	/	<=23.01	Pass
		5745	10.63	9.69	/	/	Pass

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		5785	10.09	9.23	/	/	Pass
		5825	9.93	8.85	/	/	Pass
802.11n (HT20)	MIMO	5180	10.23	8.00	12.27	<=23.01	Pass
		5200	10.18	8.01	12.24	<=23.01	Pass
		5240	10.43	7.55	12.23	<=23.01	Pass
		5745	9.49	8.46	12.02	/	Pass
		5785	8.85	7.79	11.36	/	Pass
		5825	8.90	7.68	11.34	/	Pass
		5190	11.35	7.93	12.98	<=23.01	Pass
802.11n (HT40)	MIMO	5230	11.45	7.74	12.99	<=23.01	Pass
		5755	9.76	8.96	12.39	/	Pass
		5795	9.81	8.31	12.13	/	Pass
		5180	10.73	8.09	12.62	<=23.01	Pass
802.11ac (VHT20)	MIMO	5200	10.68	8.06	12.57	<=23.01	Pass
		5240	10.87	7.67	12.57	<=23.01	Pass
		5745	9.88	8.54	12.27	/	Pass
		5785	9.21	7.99	11.65	/	Pass
		5825	8.93	7.75	11.39	/	Pass
		5190	11.96	8.38	13.54	<=23.01	Pass
802.11ac (VHT40)	MIMO	5230	12.10	7.94	13.51	<=23.01	Pass
		5755	10.26	9.10	12.73	/	Pass
		5795	9.62	8.50	12.11	/	Pass
		5210	12.13	8.16	13.59	<=23.01	Pass
802.11ac (VHT80)	MIMO	5775	9.95	8.90	12.47	/	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;  
 Note2: E.I.R.P = Measured Power + Antenna Gain  
 Note3: Directional Gain: 4.62dBi



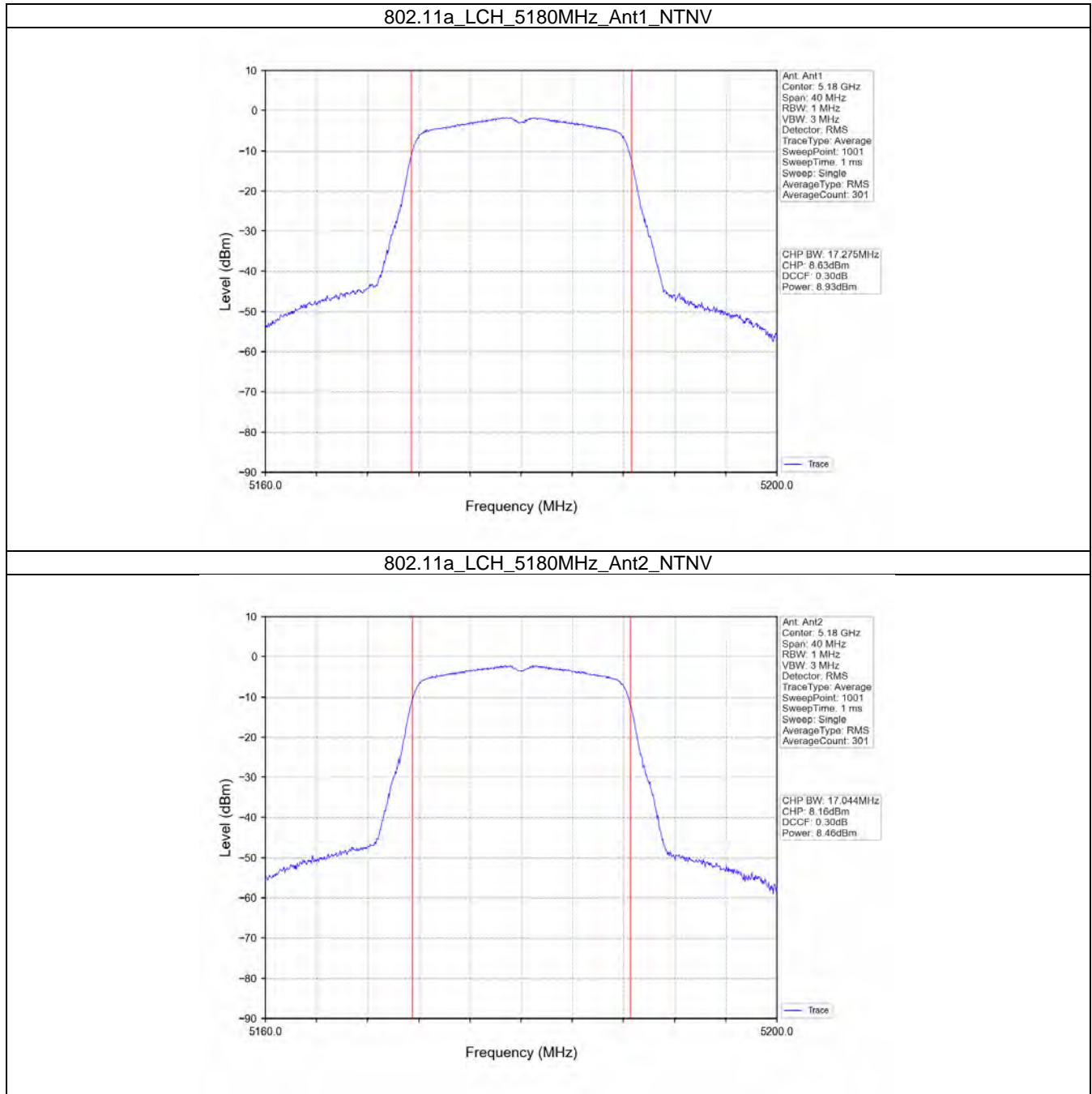
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### 3.1.3 Test Graph



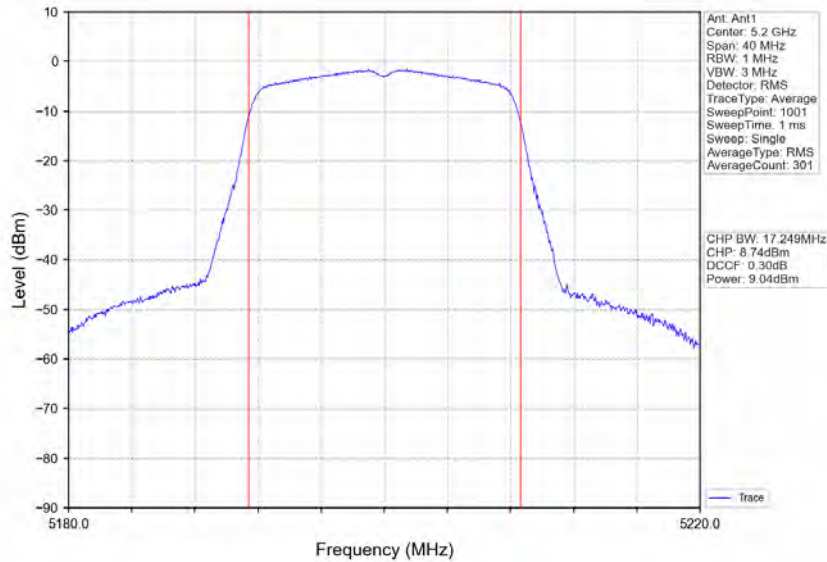
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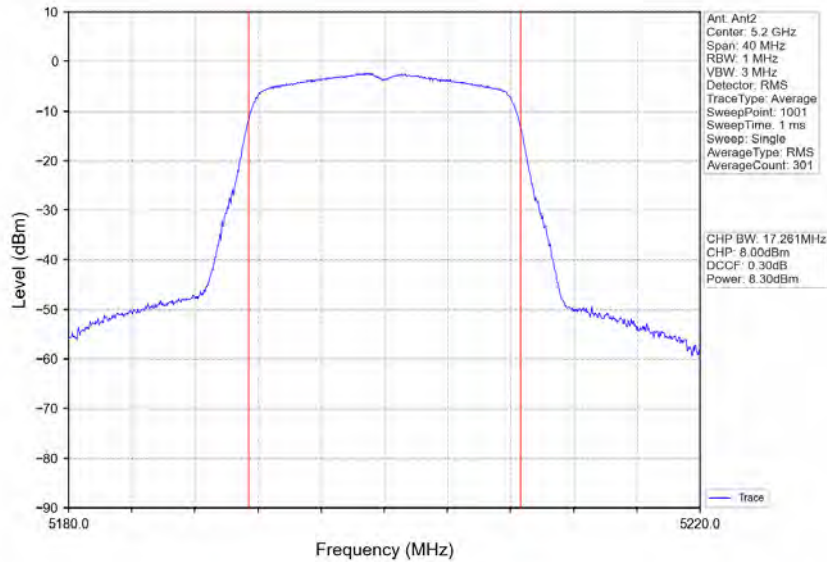
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV

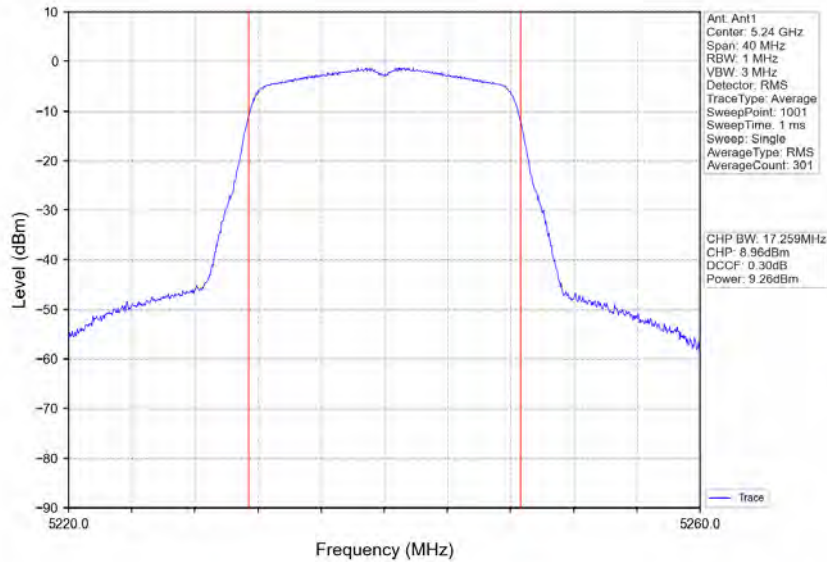


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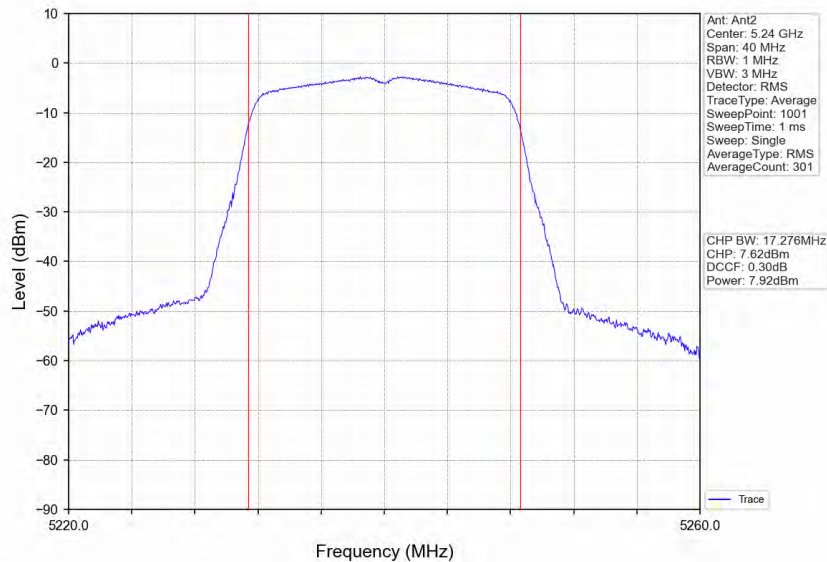
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



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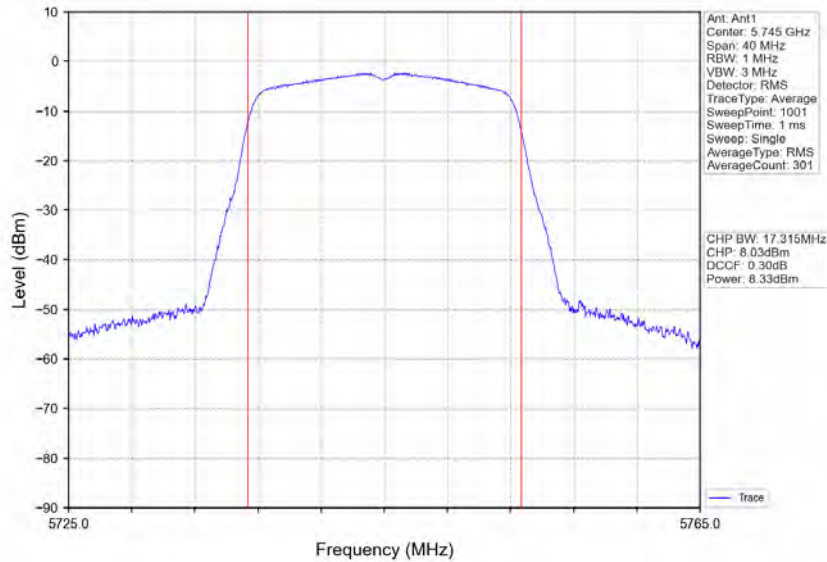
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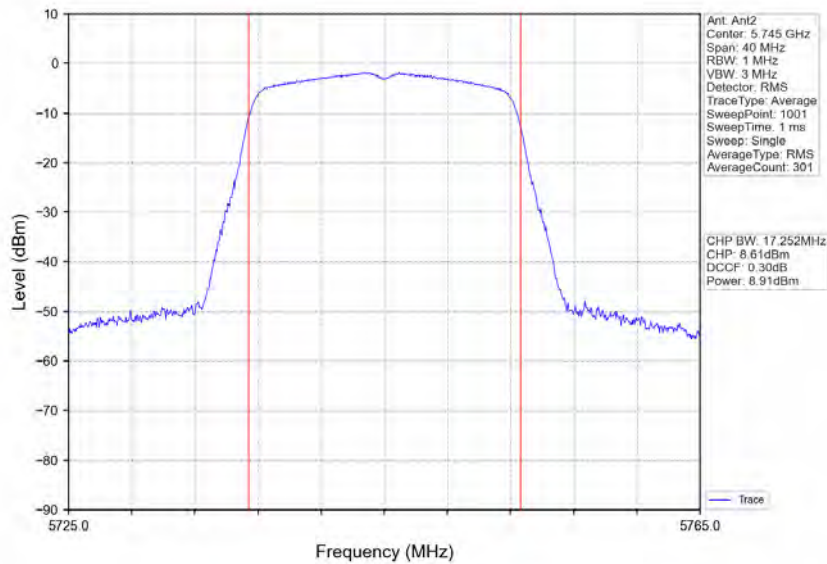
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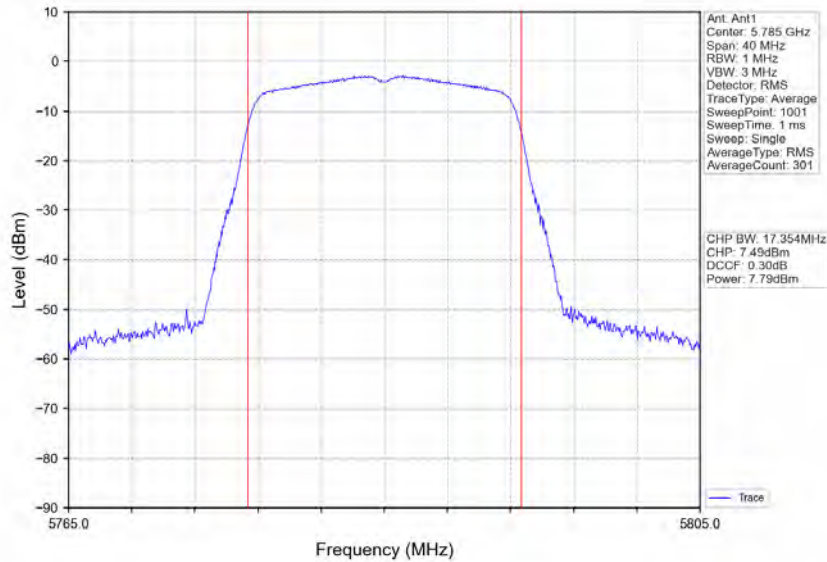
802.11a\_LCH\_5745MHz\_Ant2\_NTNV



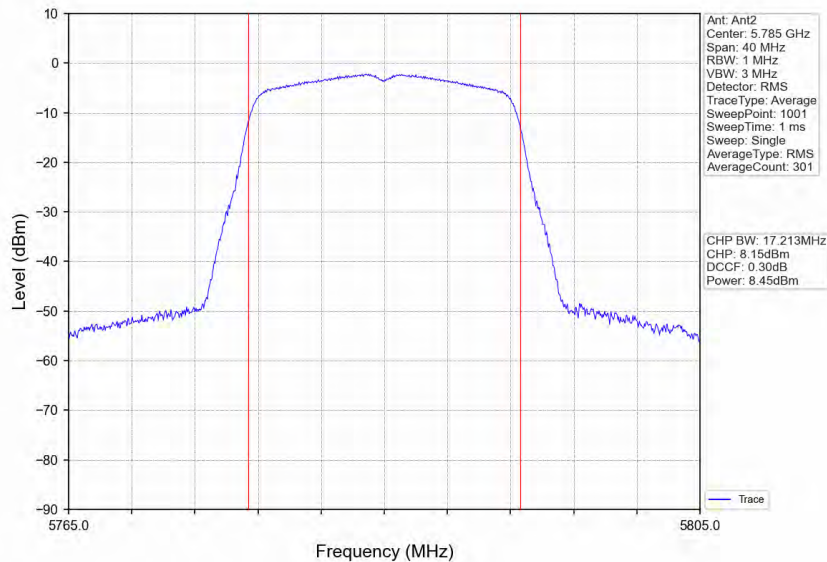
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



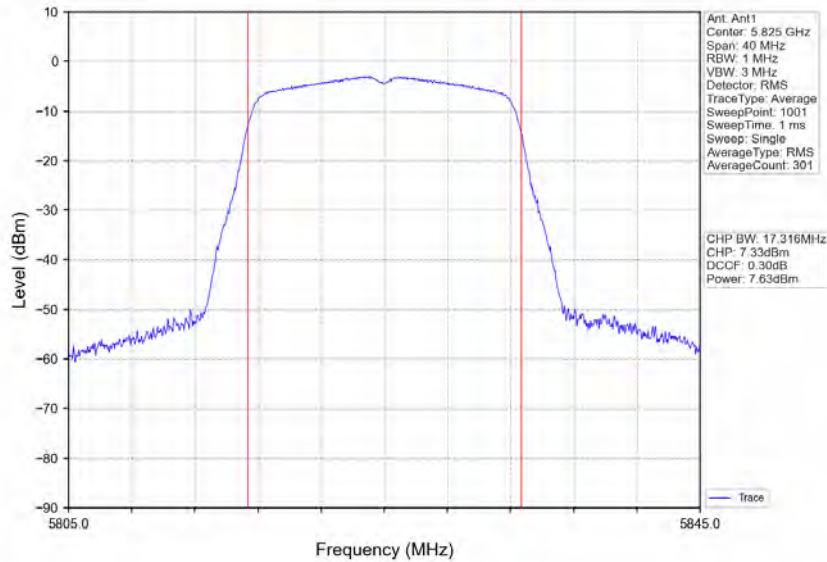
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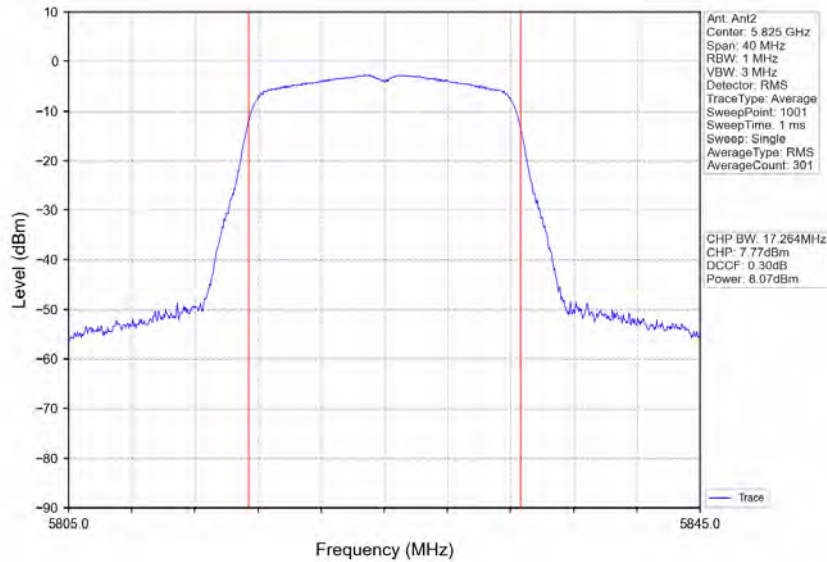
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



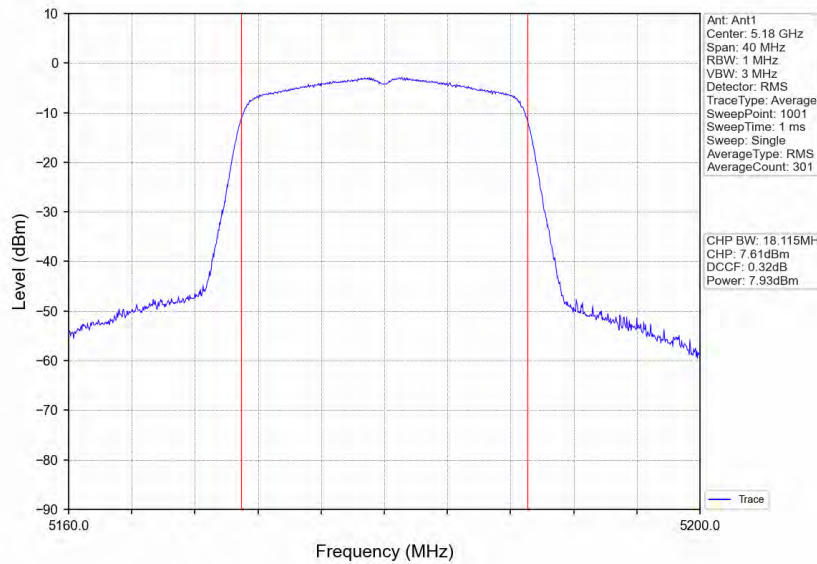
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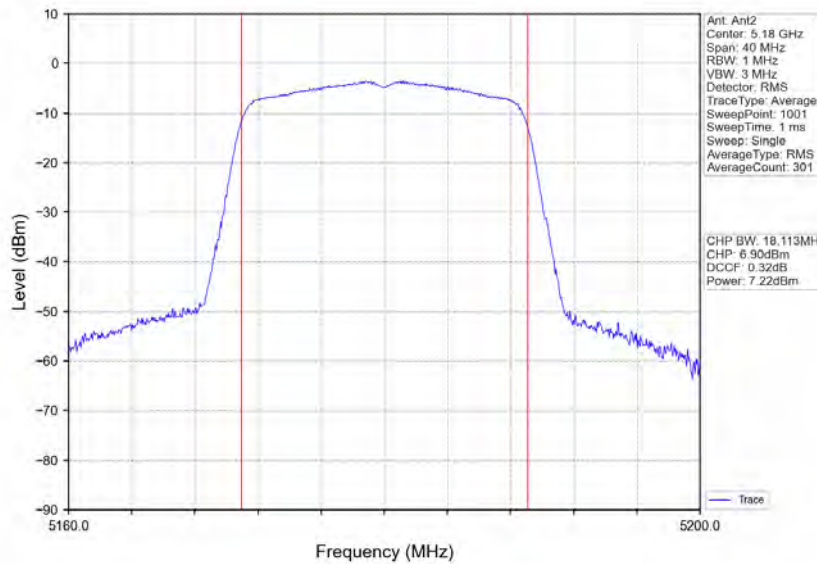
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



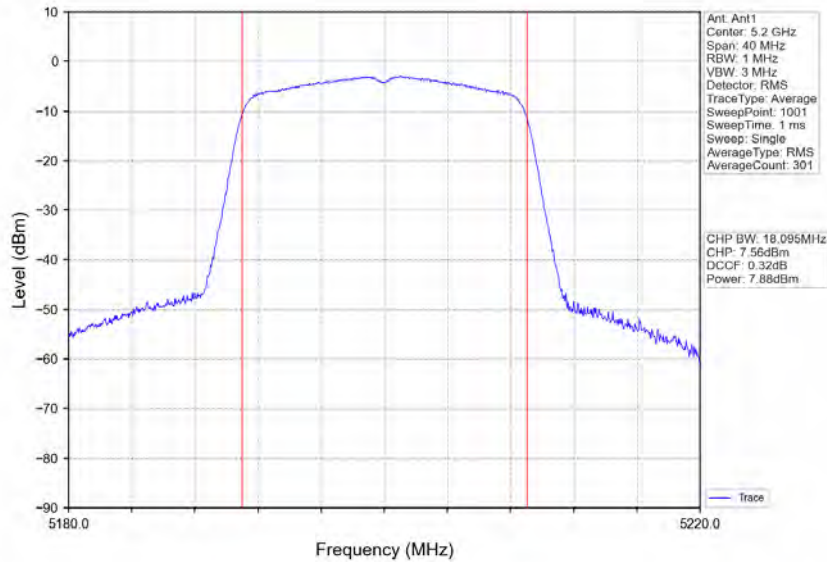
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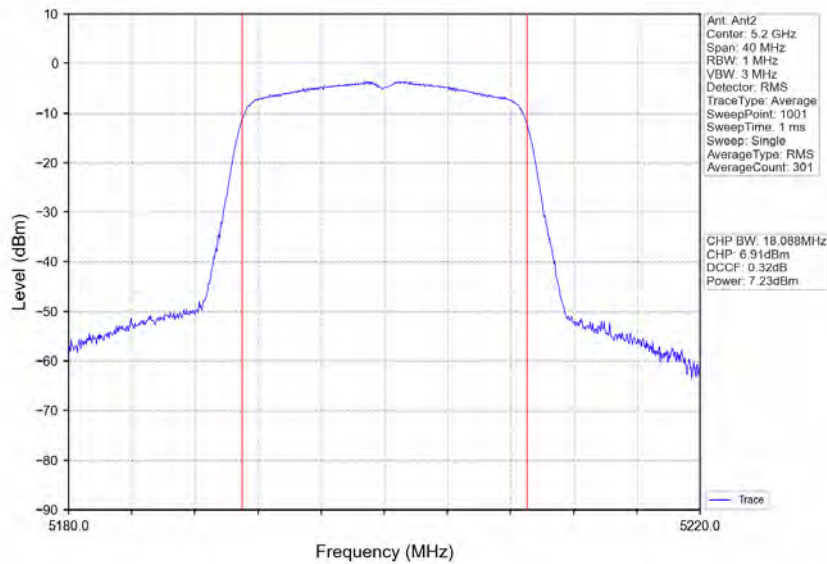
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802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



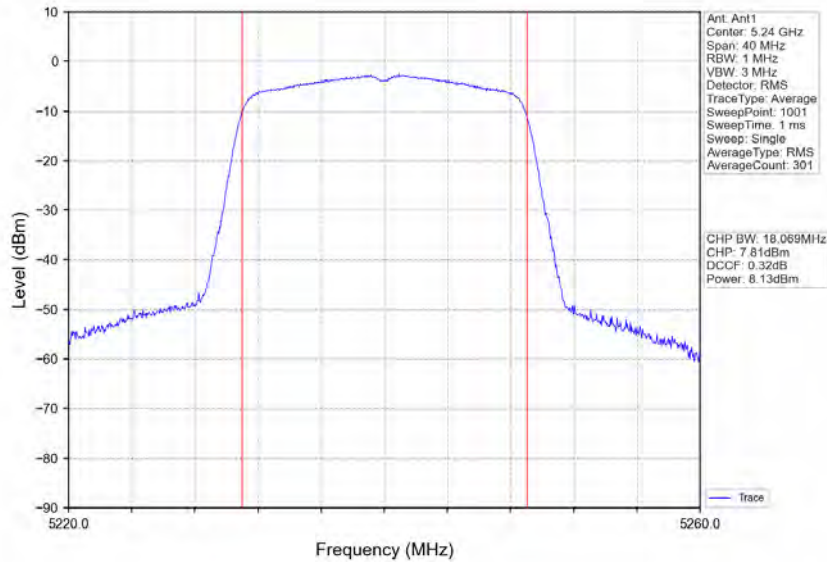
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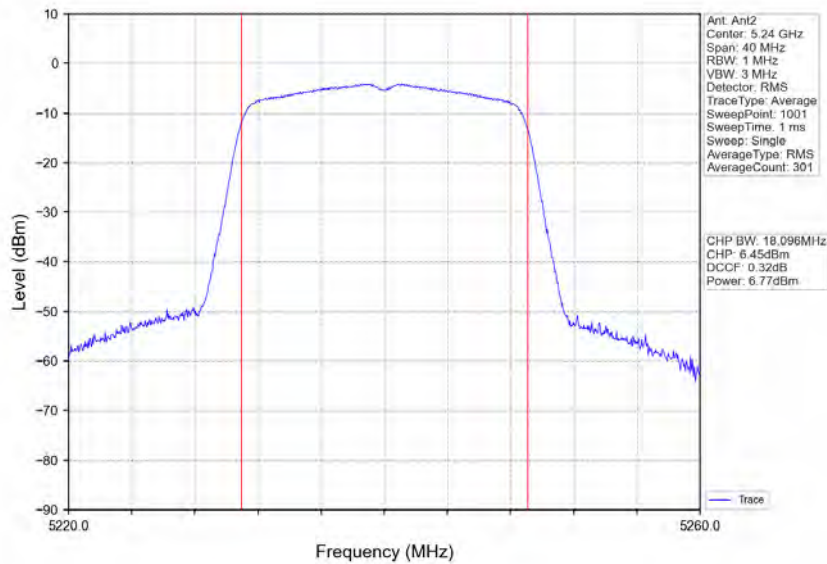
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



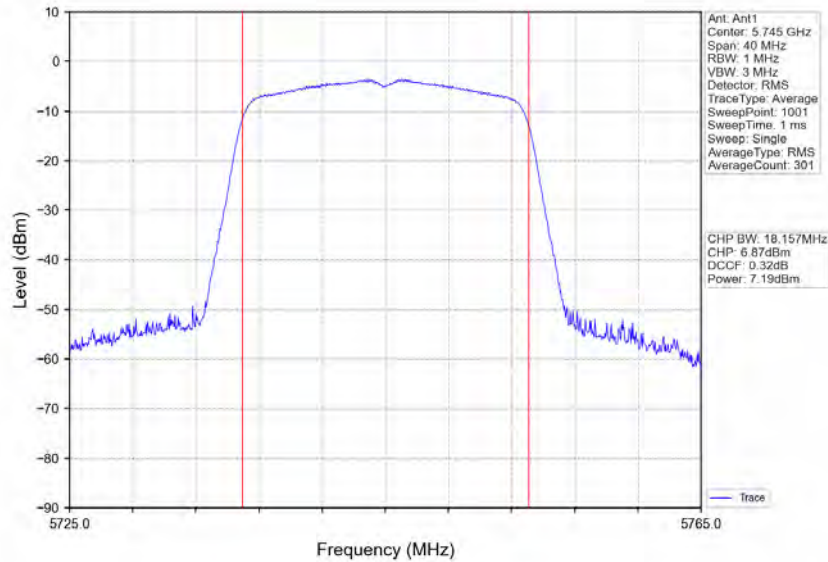
802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



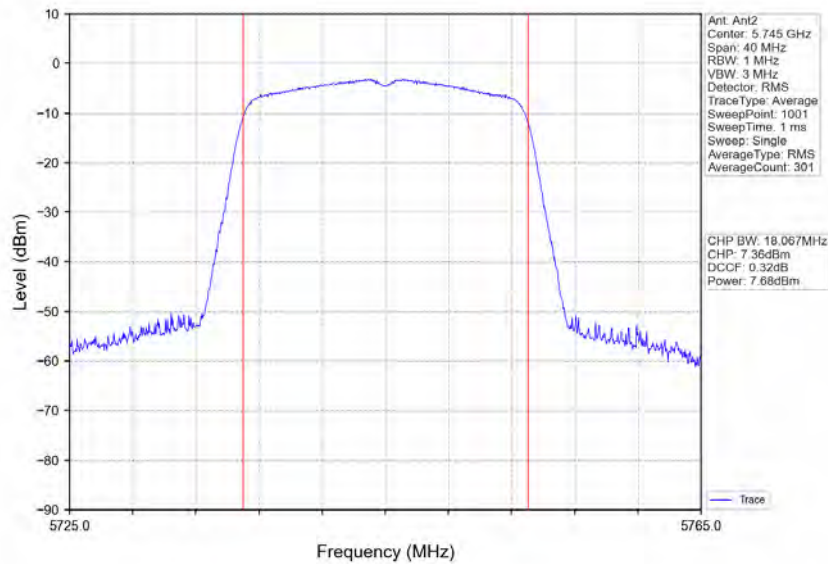
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



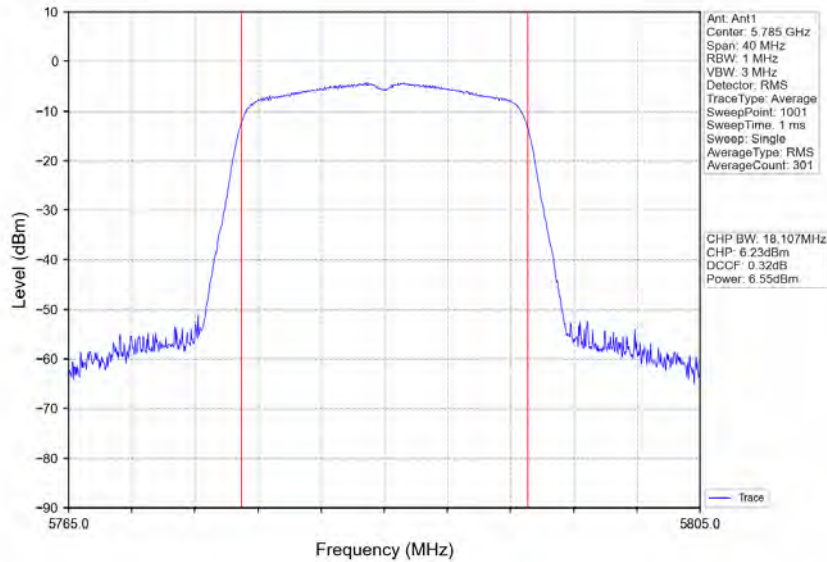
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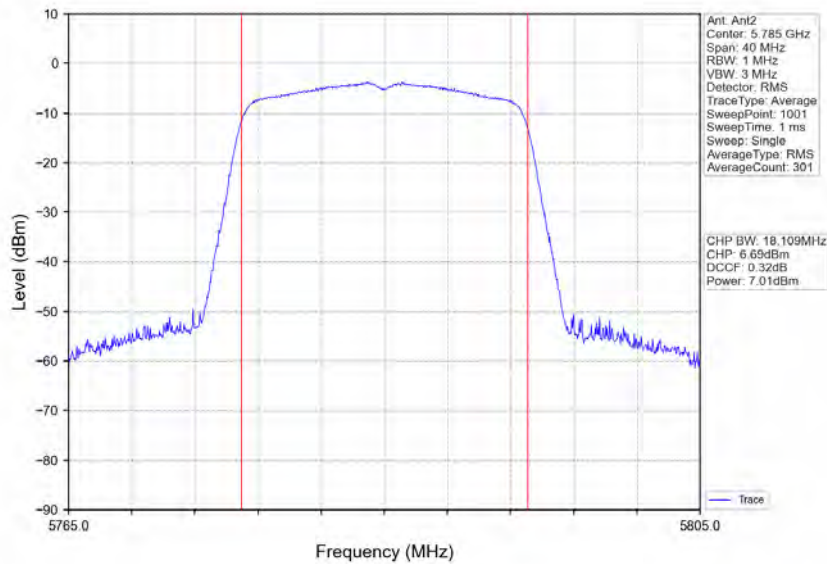
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802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV

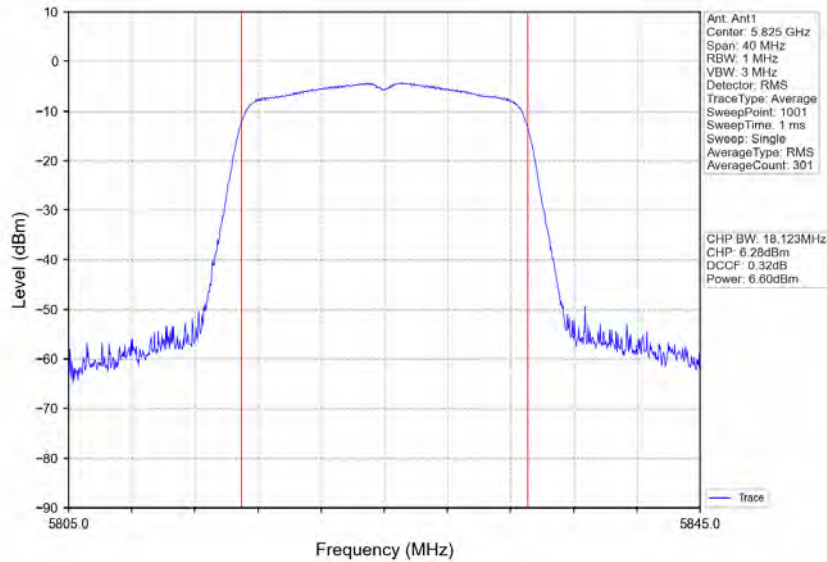


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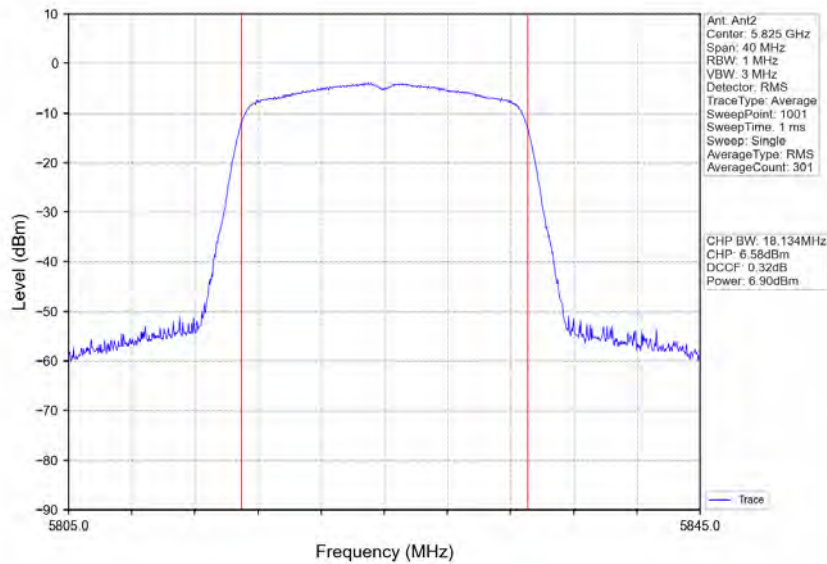
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV

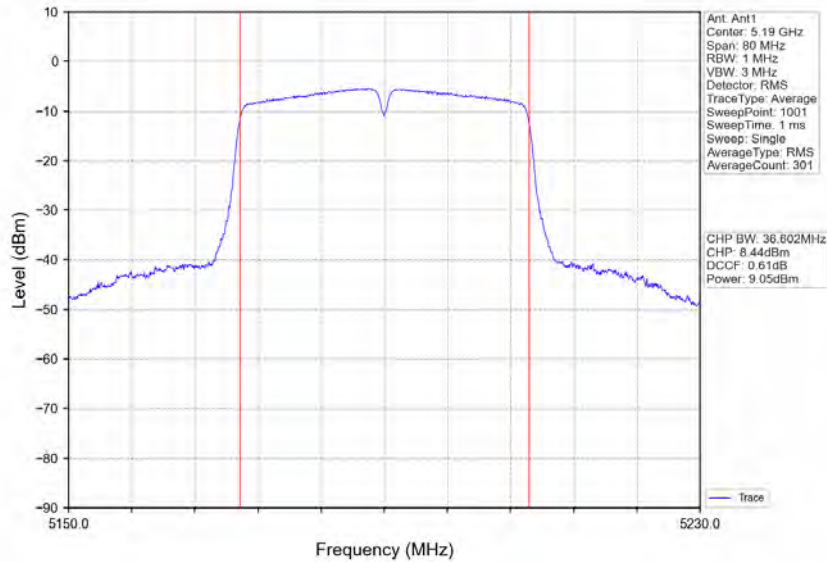


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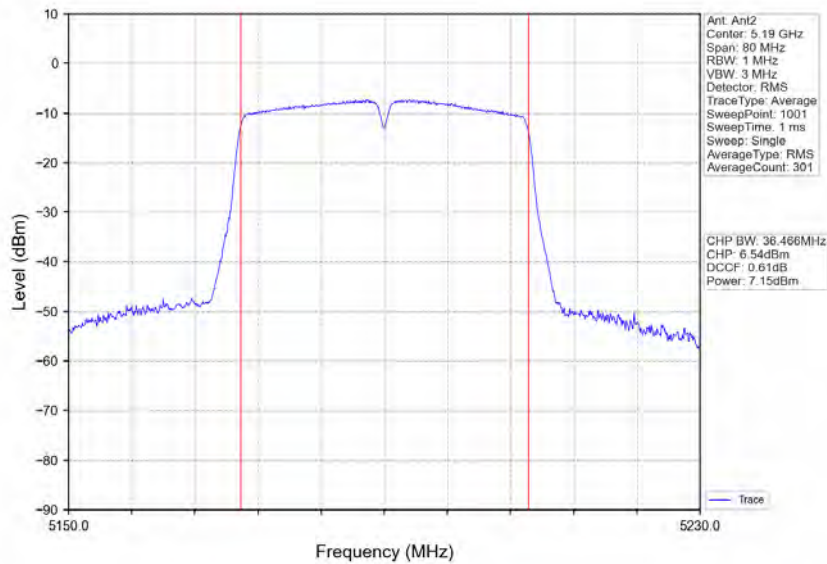
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802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



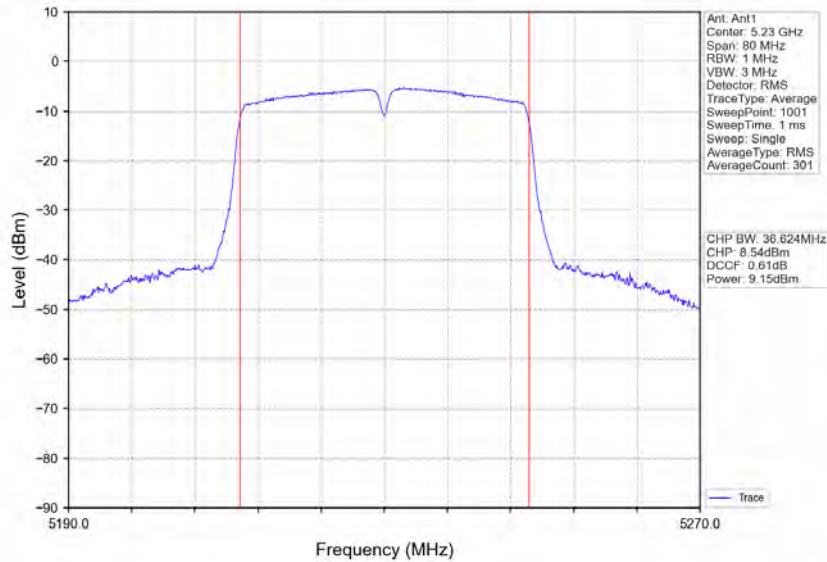
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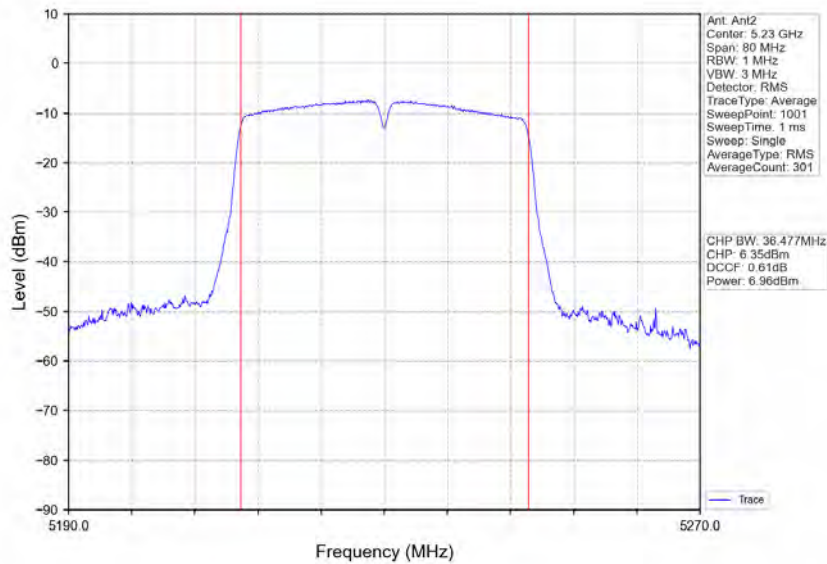
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV



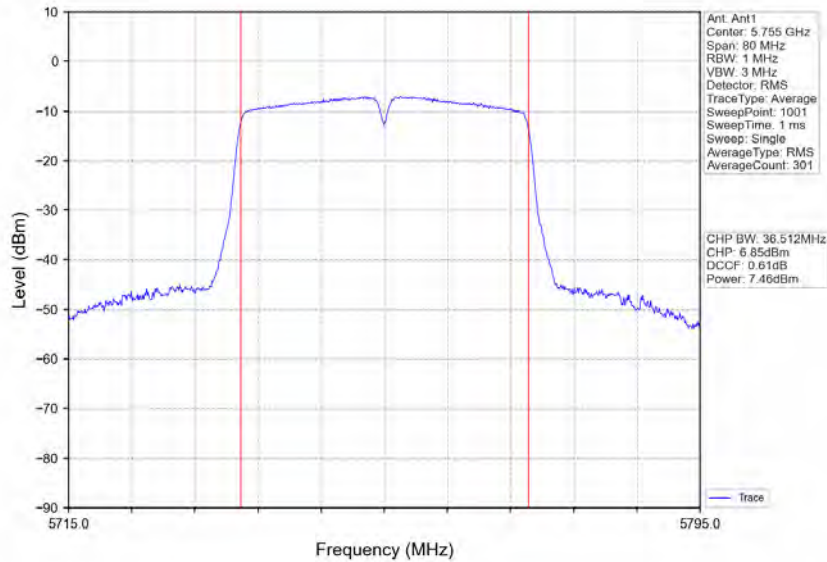
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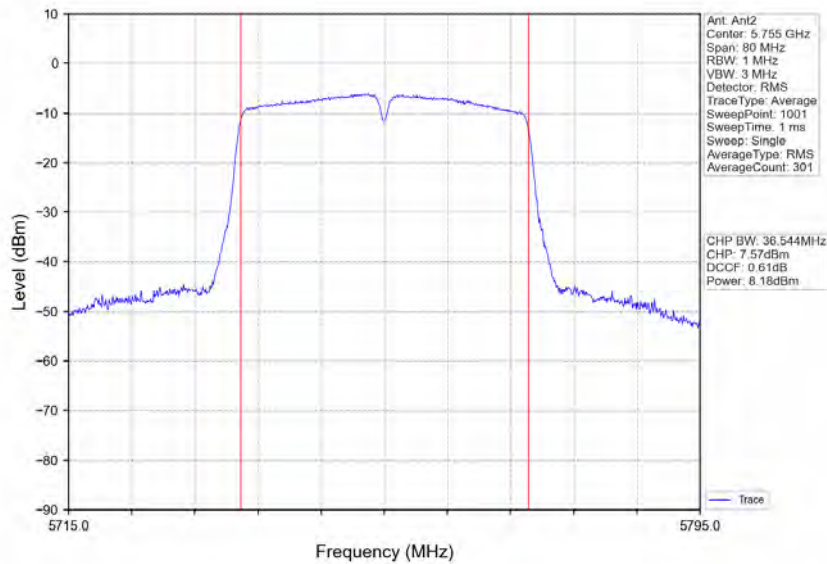
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802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



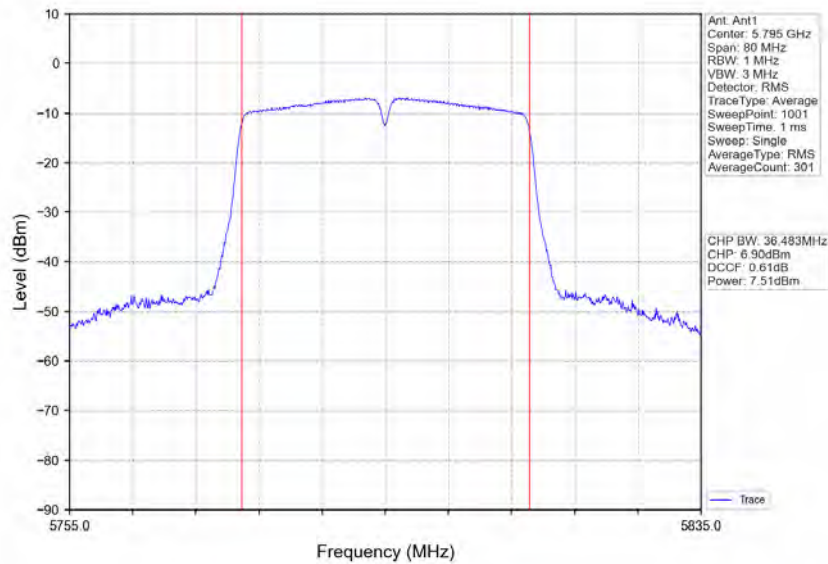
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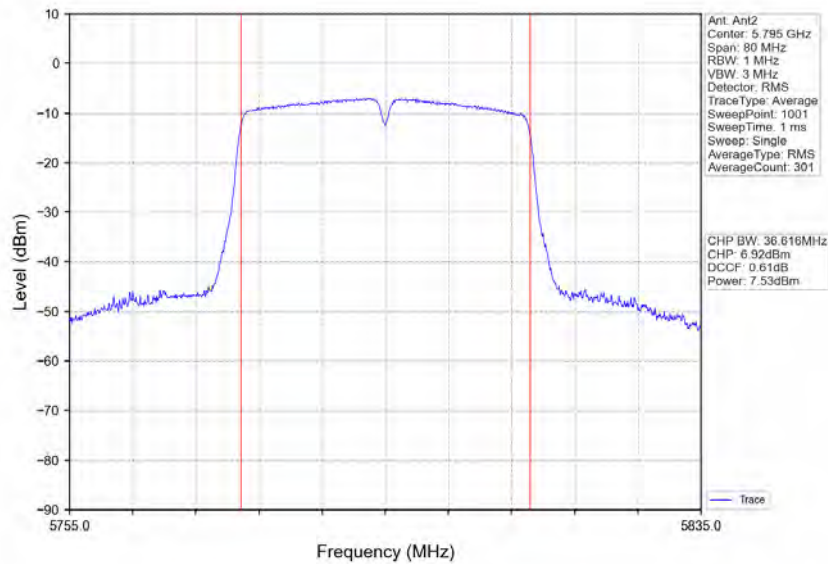
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



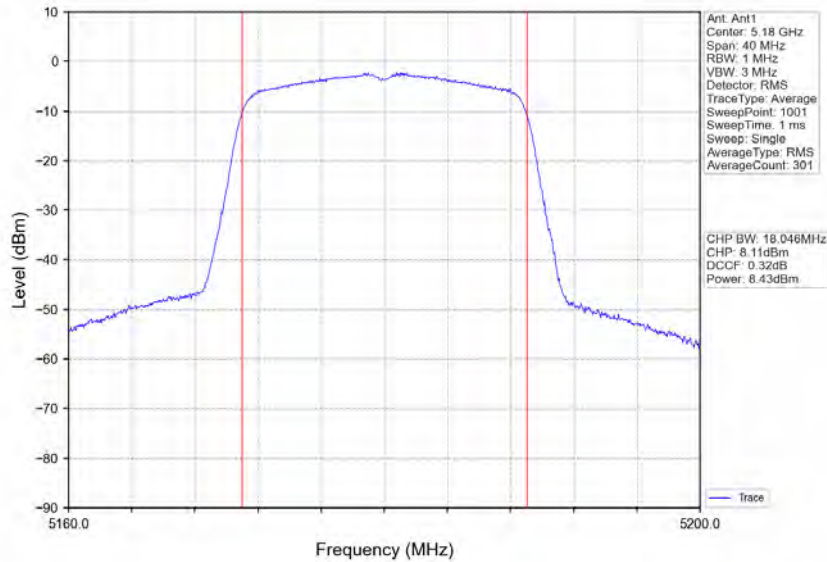
802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



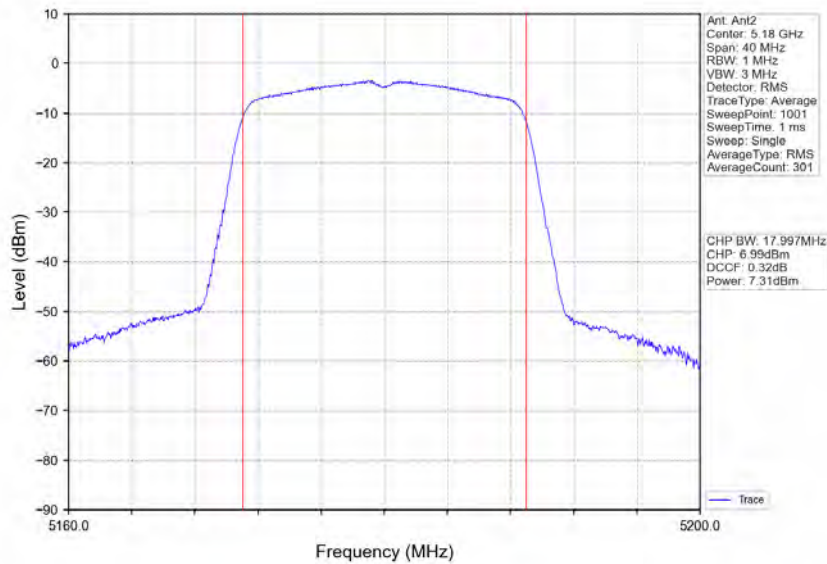
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



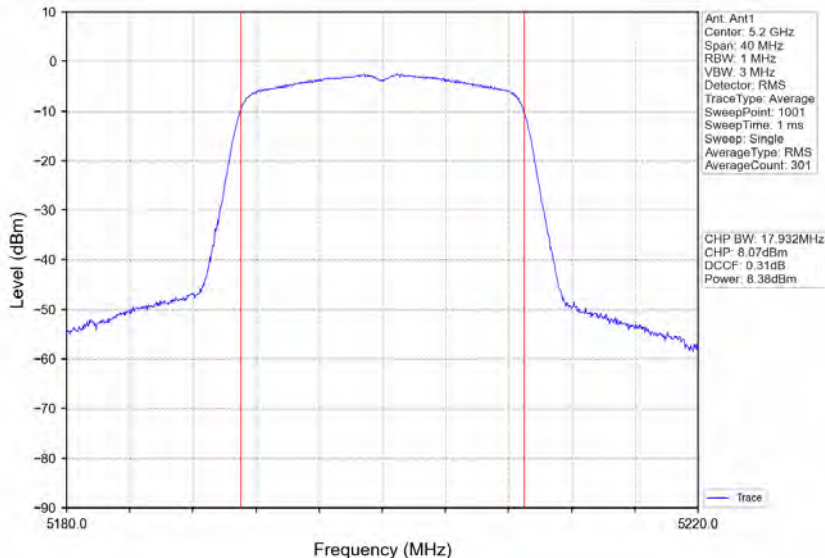
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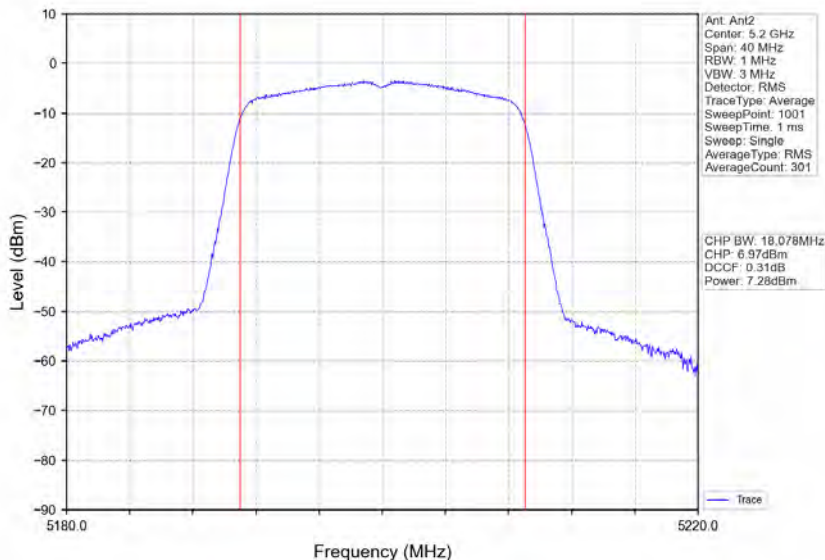
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



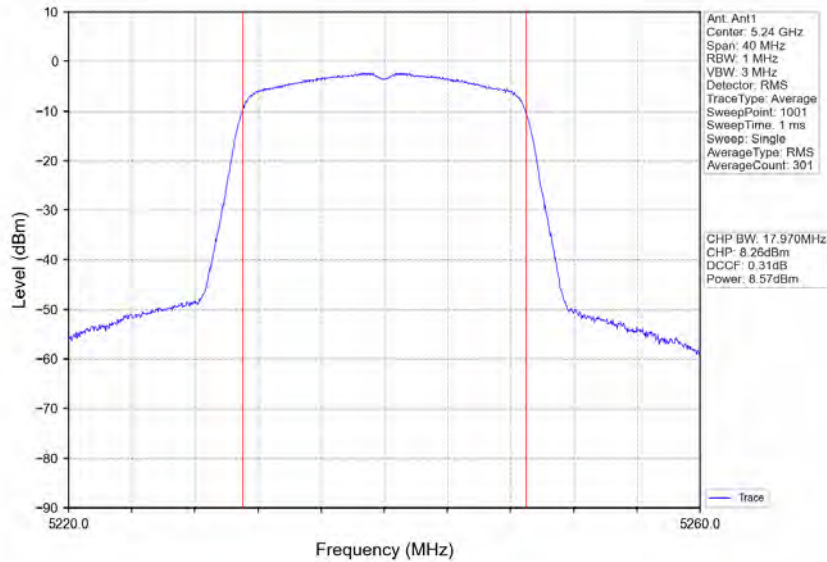
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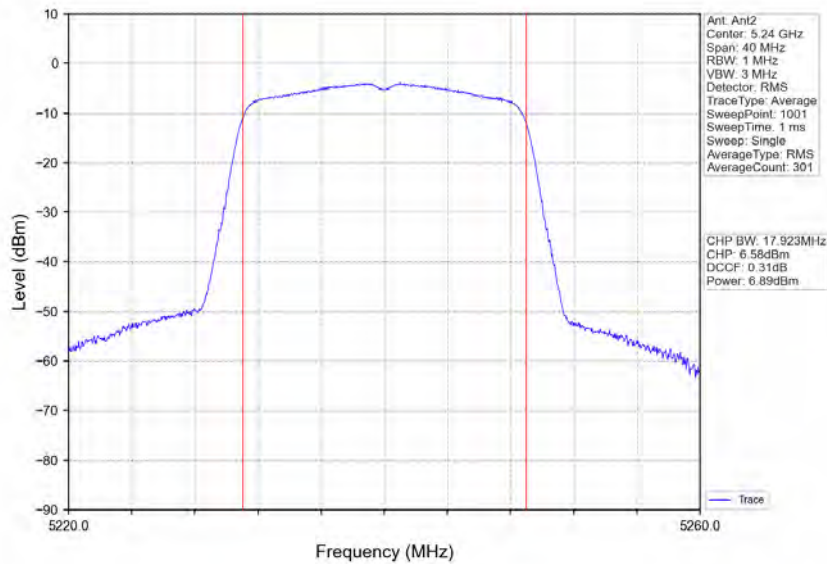
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV

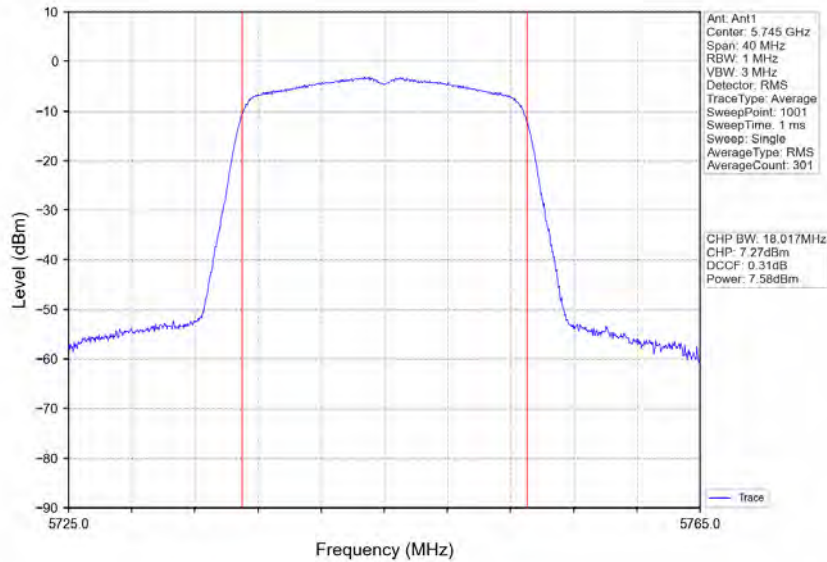


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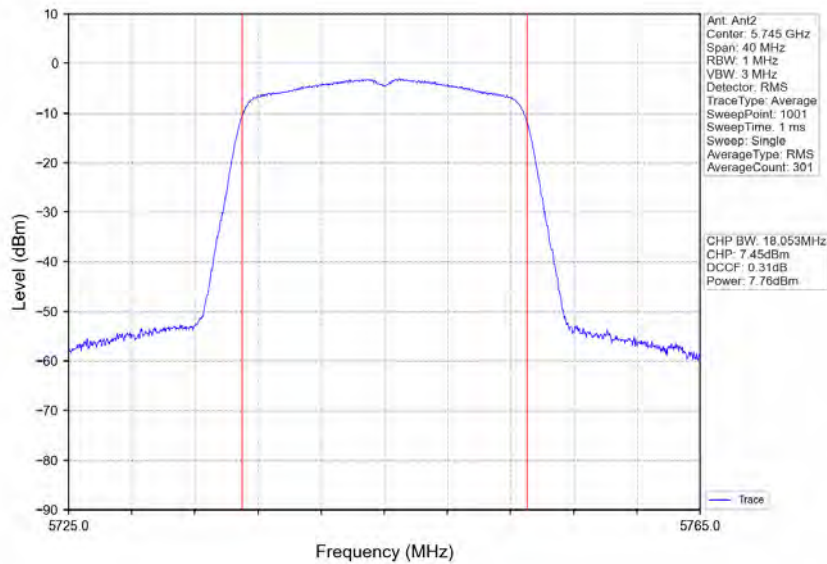
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802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant2\_NTNV



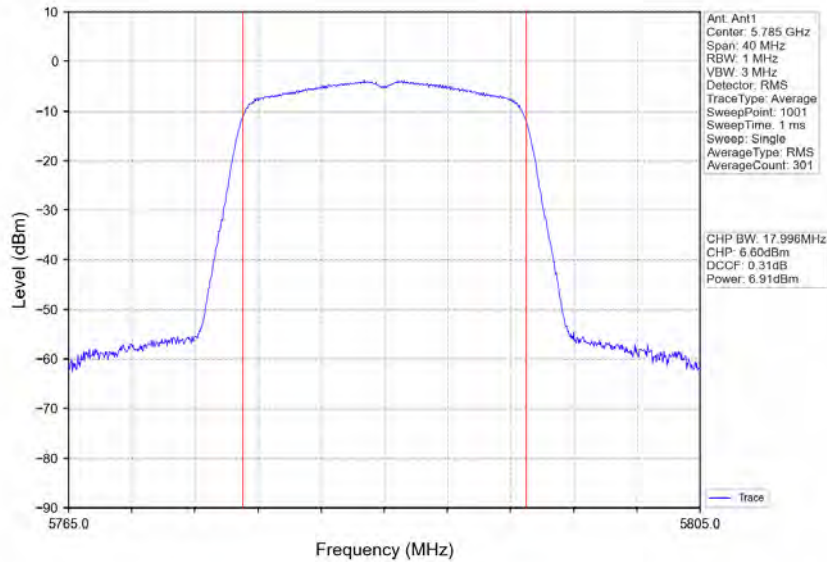
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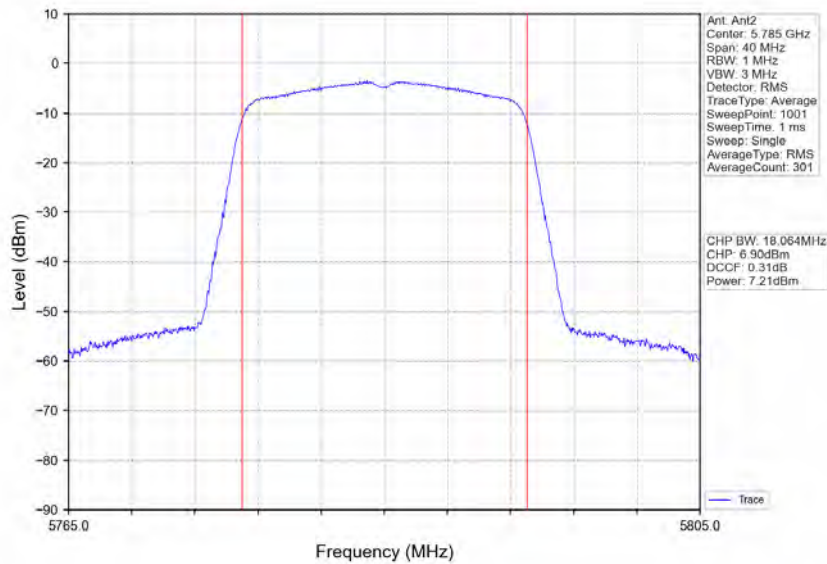
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



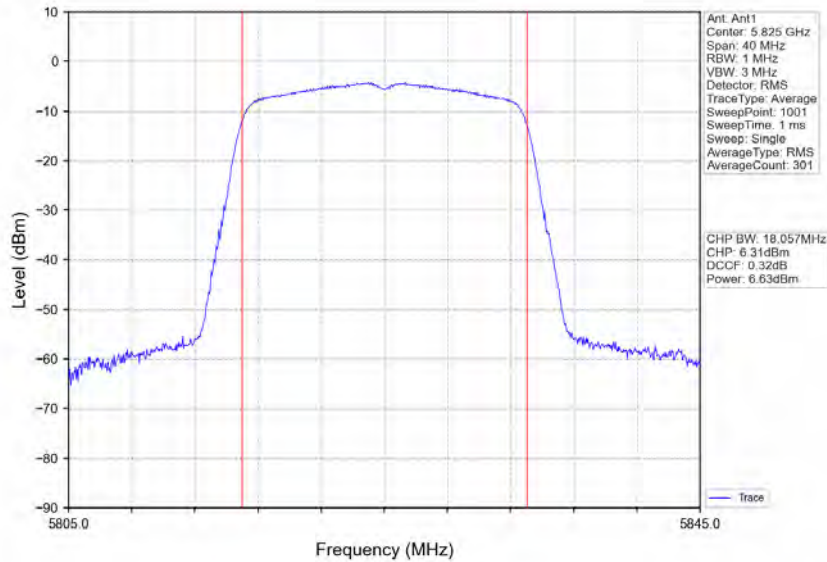
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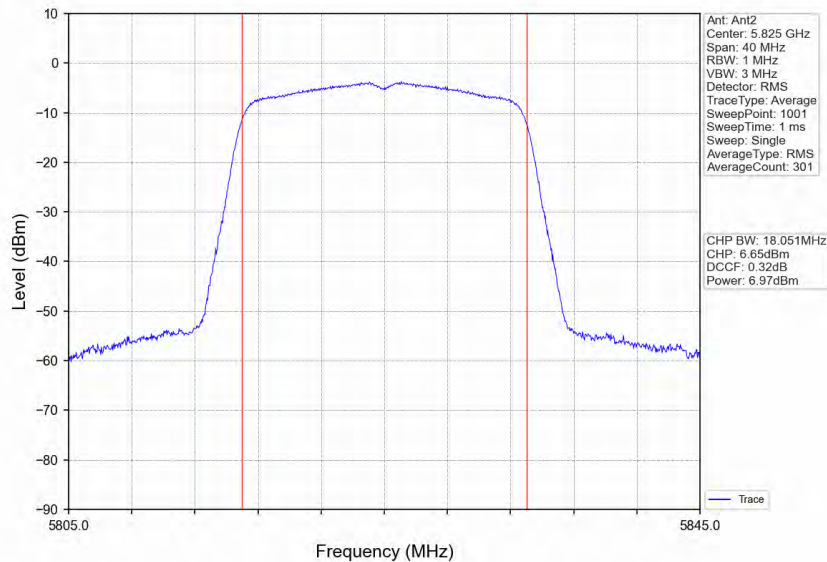
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV

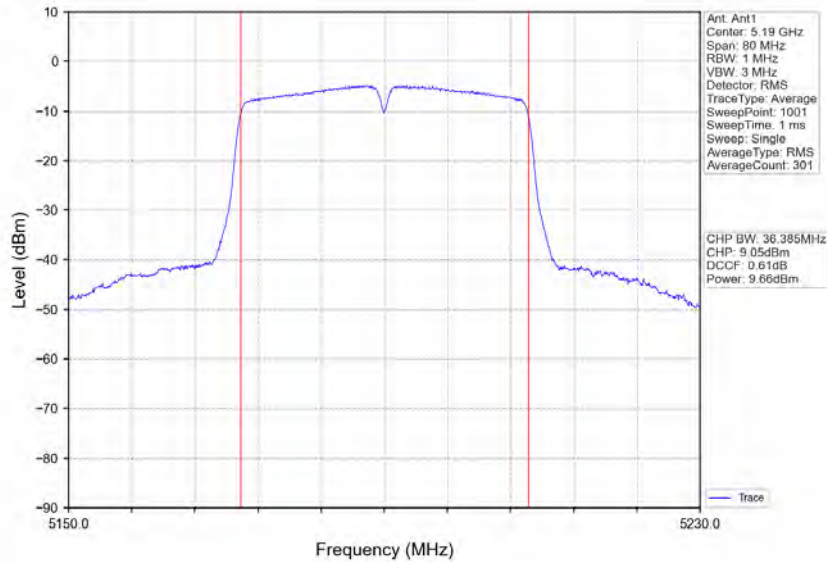


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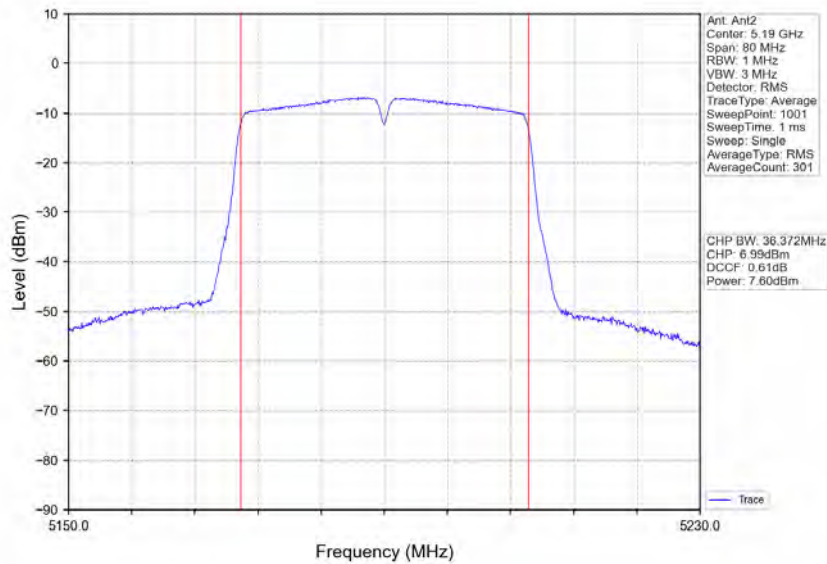
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



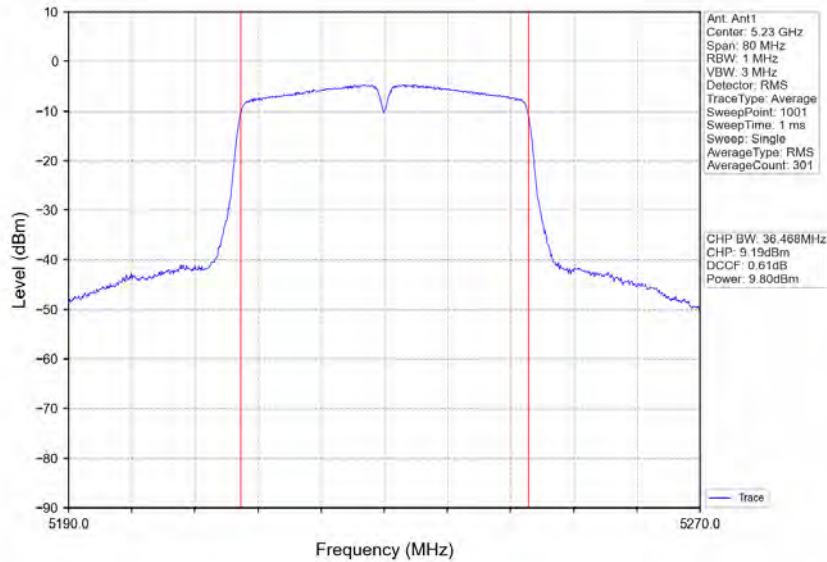
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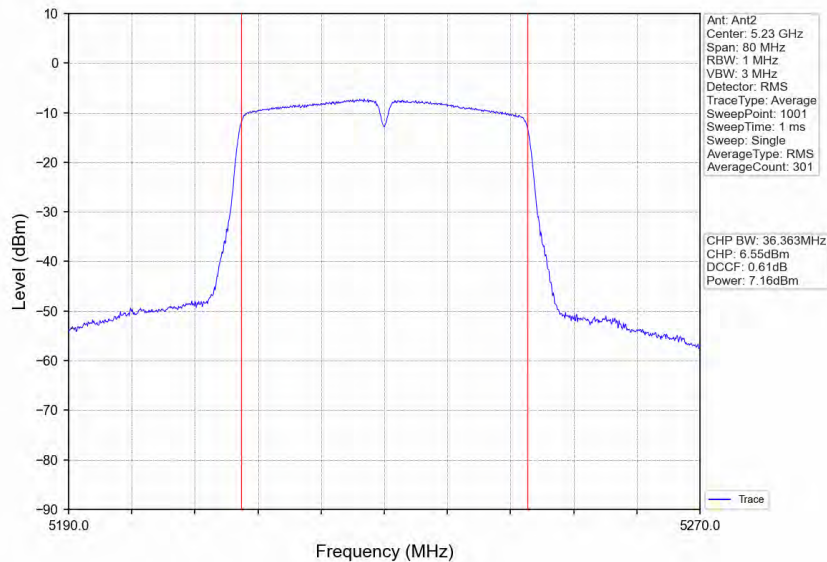
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



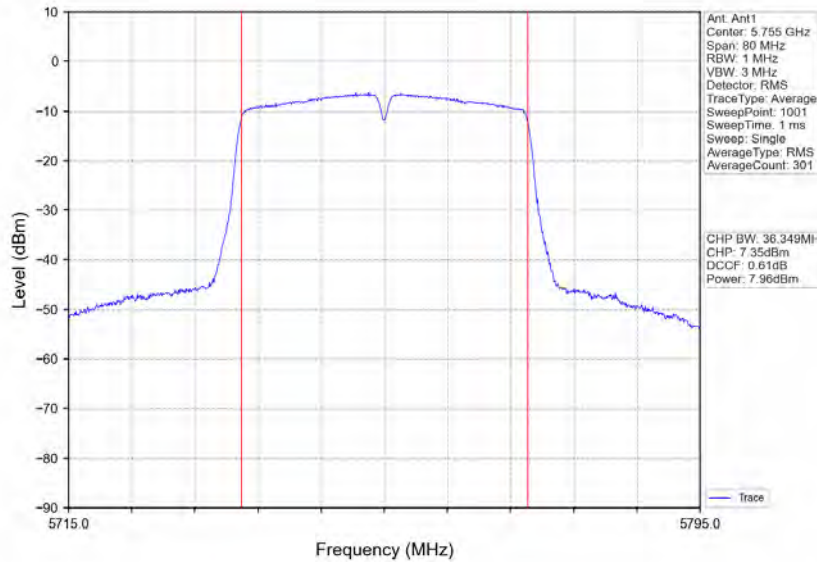
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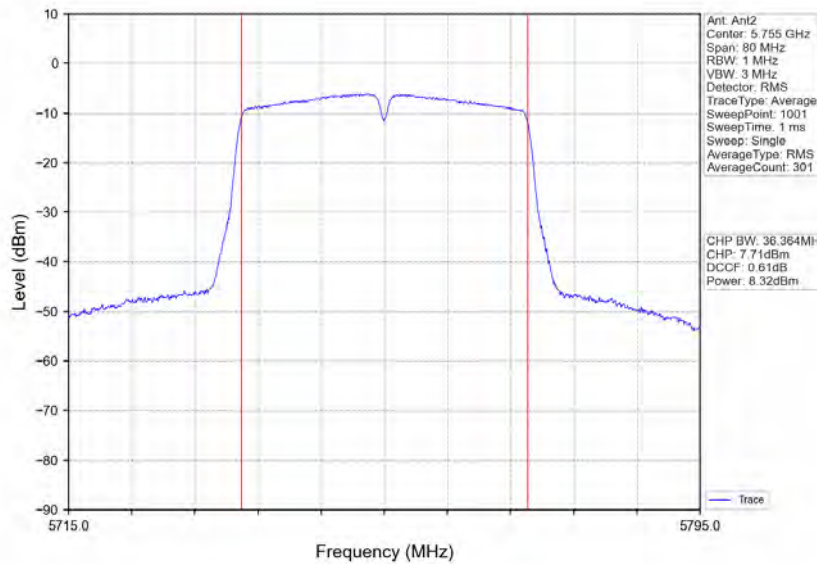
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



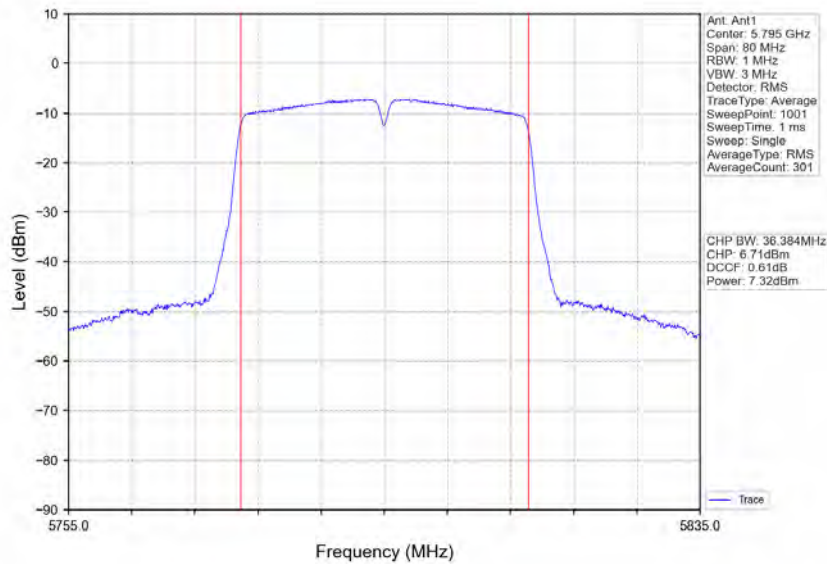
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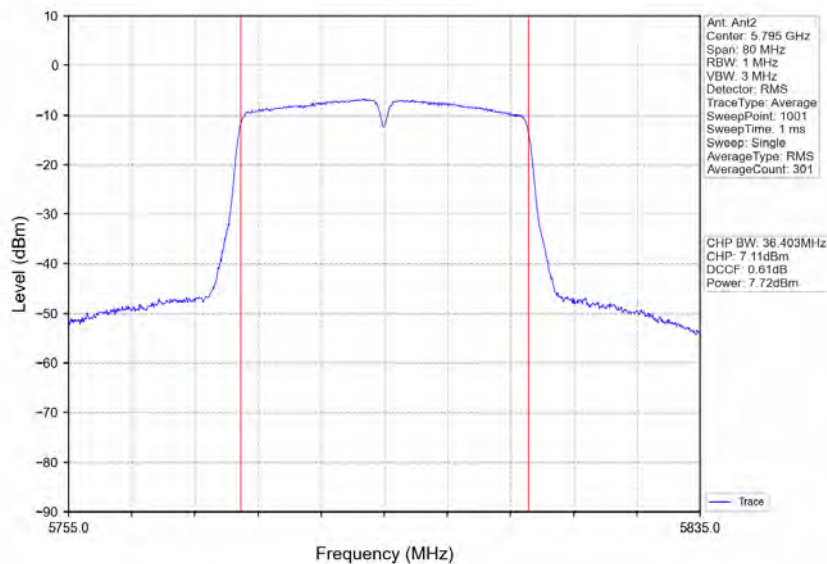
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



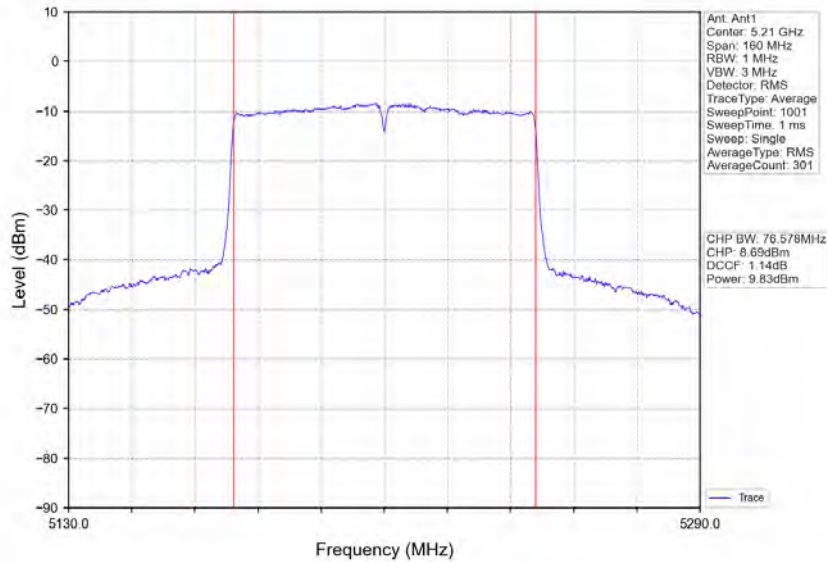
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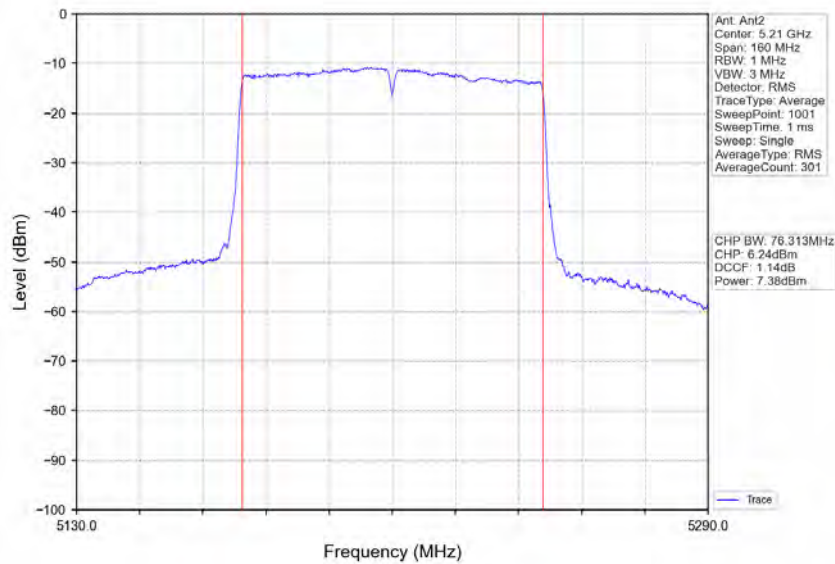
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5210MHz\_Ant2\_NTNV



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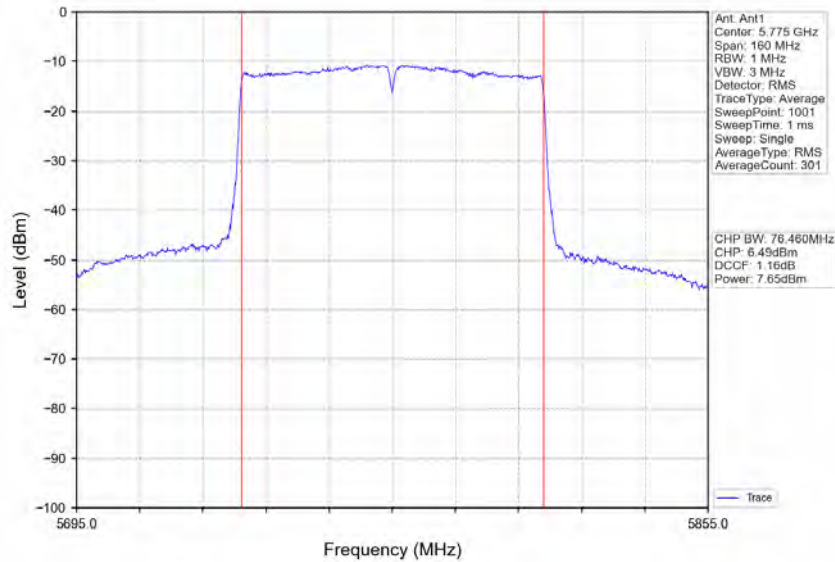
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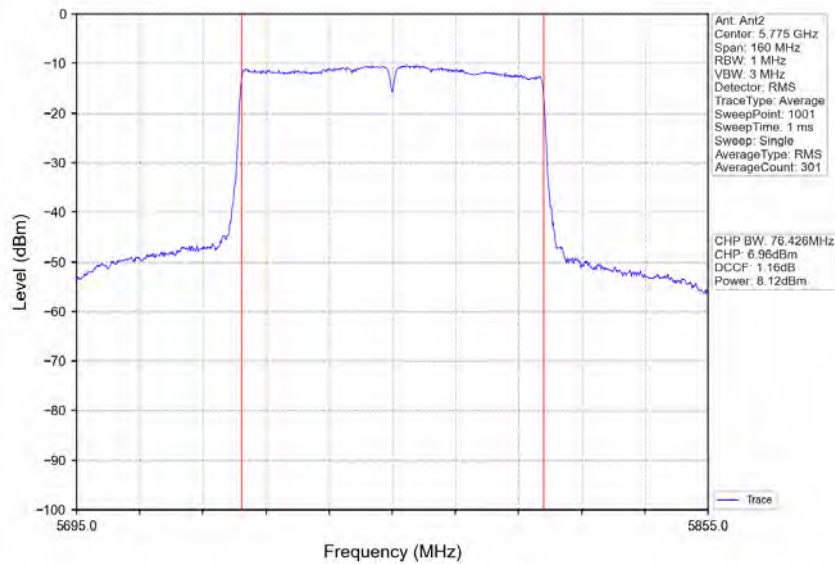
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802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



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## 4. Maximum Power Spectral Density

### 4.1 PSD

#### 4.1.1 Test Result for FCC

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5180	-1.40	-1.92	/	<=11	Pass
		5200	-1.32	-1.95	/	<=11	Pass
		5240	-0.97	-2.44	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-2.42	-3.21	0.21	<=11	Pass
		5200	-2.34	-3.09	0.13	<=11	Pass
		5240	-2.27	-3.48	0.04	<=11	Pass
802.11n (HT40)	MIMO	5190	-4.53	-6.71	-2.53	<=11	Pass
		5230	-4.62	-6.92	-2.73	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-2.04	-3.13	0.32	<=11	Pass
		5200	-1.93	-3.00	0.48	<=11	Pass
		5240	-1.92	-3.53	0.21	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-4.31	-6.14	-2.15	<=11	Pass
		5230	-4.12	-6.50	-2.20	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-7.22	-9.88	-5.47	<=11	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;

#### 4.1.2 Test Result for IC

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)			EIRP PSD (dBm/MHz)			Limit	Verdict
			Ant1	Ant2	MIMO	Ant1	Ant2	MIMO		
802.11a	SISO	5180	-1.40	-1.92	/	0.90	-1.14	/	<=10	Pass
		5200	-1.32	-1.95	/	0.98	-1.17	/	<=10	Pass
		5240	-0.97	-2.44	/	1.33	-1.66	/	<=10	Pass
802.11n (HT20)	MIMO	5180	-2.42	-3.21	0.21	-0.12	-2.43	1.89	<=10	Pass
		5200	-2.34	-3.09	0.13	-0.04	-2.31	1.98	<=10	Pass
		5240	-2.27	-3.48	0.04	0.03	-2.70	1.89	<=10	Pass
802.11n (HT40)	MIMO	5190	-4.53	-6.71	-2.53	-2.23	-5.93	-0.69	<=10	Pass
		5230	-4.62	-6.92	-2.73	-2.32	-6.14	-0.81	<=10	Pass
802.11ac (VHT20)	MIMO	5180	-2.04	-3.13	0.32	0.26	-2.35	2.16	<=10	Pass
		5200	-1.93	-3.00	0.48	0.37	-2.22	2.28	<=10	Pass
		5240	-1.92	-3.53	0.21	0.38	-2.75	2.10	<=10	Pass
802.11ac (VHT40)	MIMO	5190	-4.31	-6.14	-2.15	-2.01	-5.36	-0.36	<=10	Pass
		5230	-4.12	-6.50	-2.20	-1.82	-5.72	-0.34	<=10	Pass
802.11ac (VHT80)	MIMO	5210	-7.22	-9.88	-5.47	-4.92	-9.10	-3.52	<=10	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;



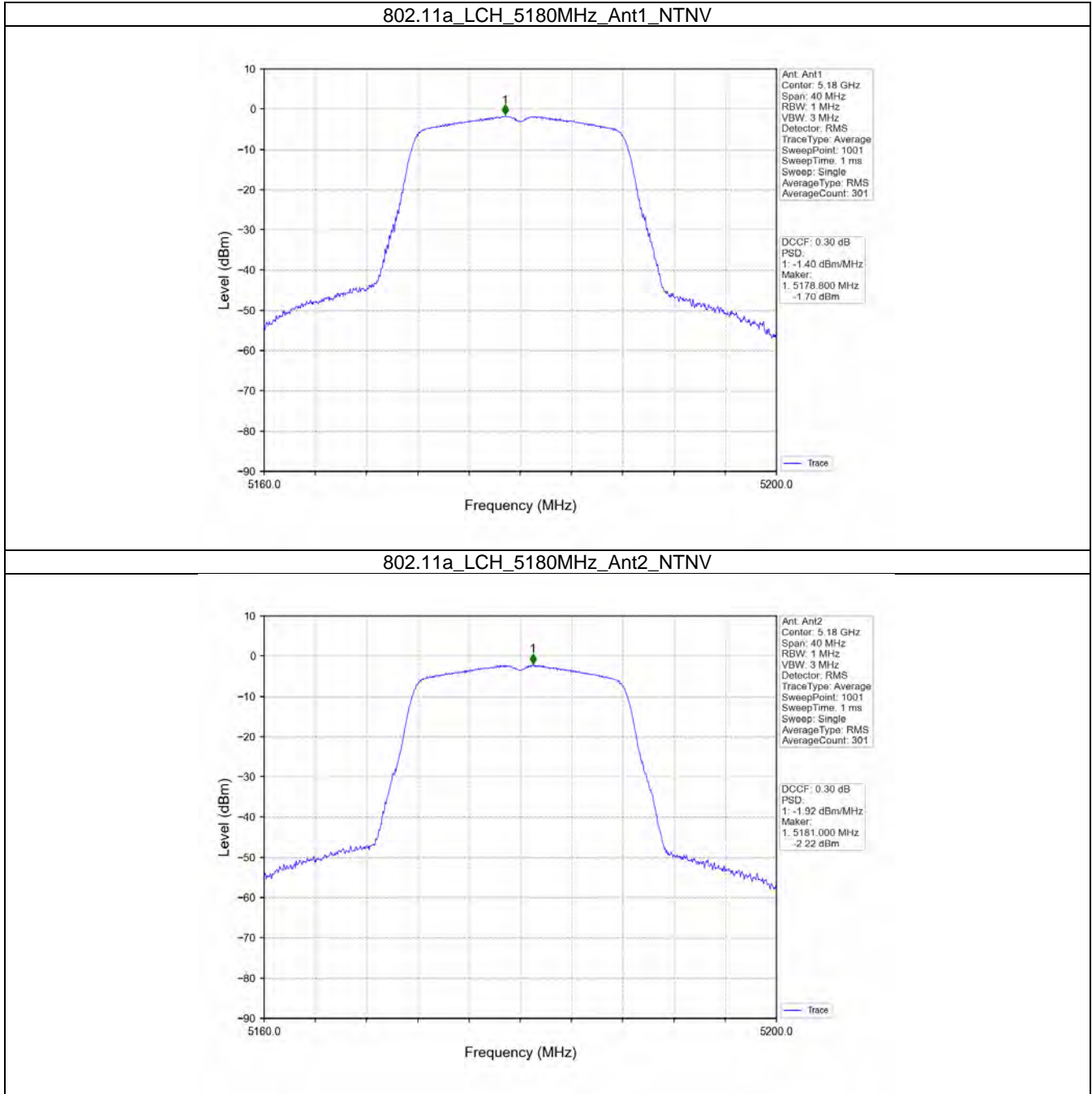
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4.1.2 Test Graph



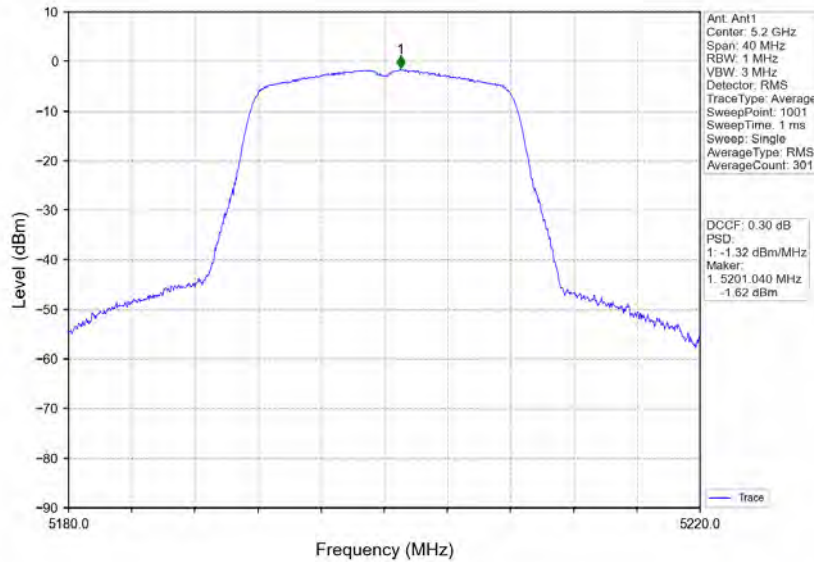
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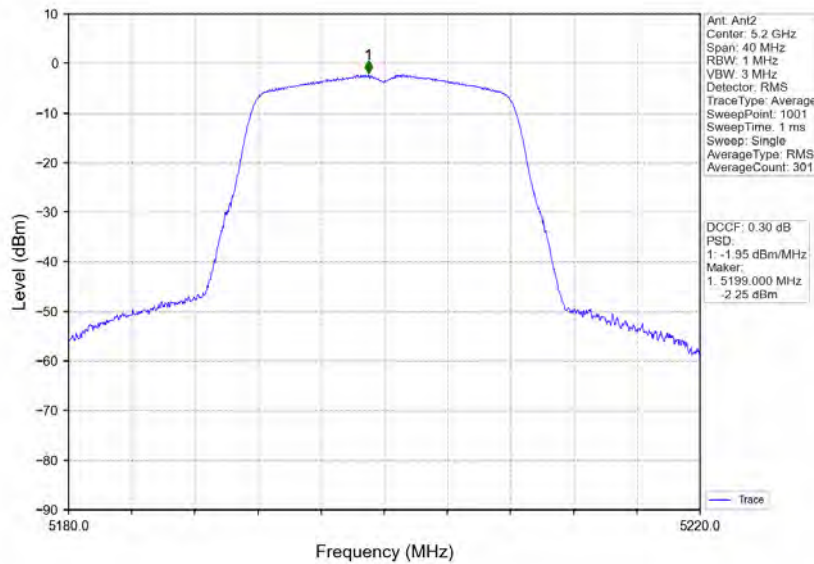
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802.11a\_MCH\_5200MHz\_Ant1\_NTNV



802.11a\_MCH\_5200MHz\_Ant2\_NTNV

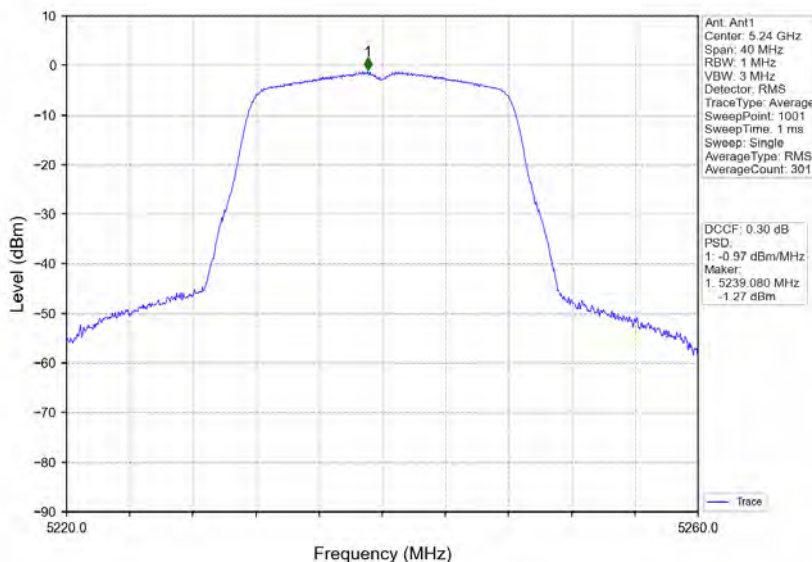


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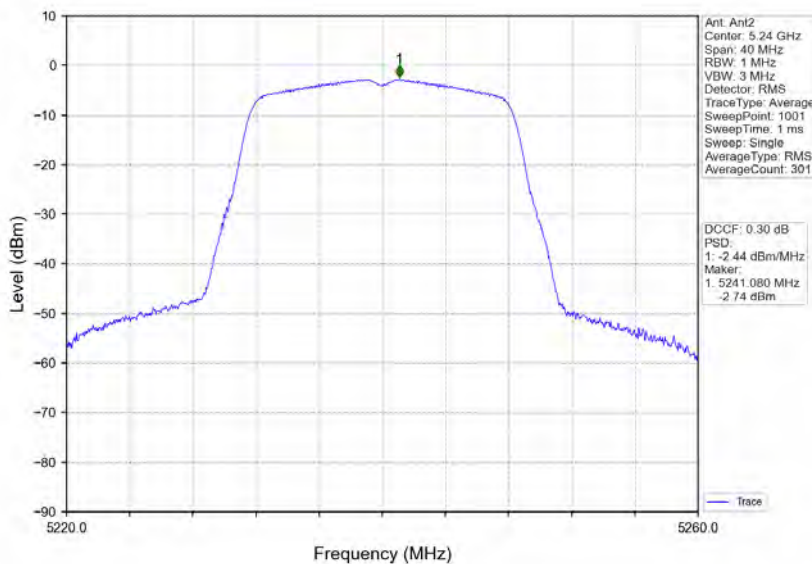
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802.11a\_HCH\_5240MHz\_Ant1\_NTNV



802.11a\_HCH\_5240MHz\_Ant2\_NTNV



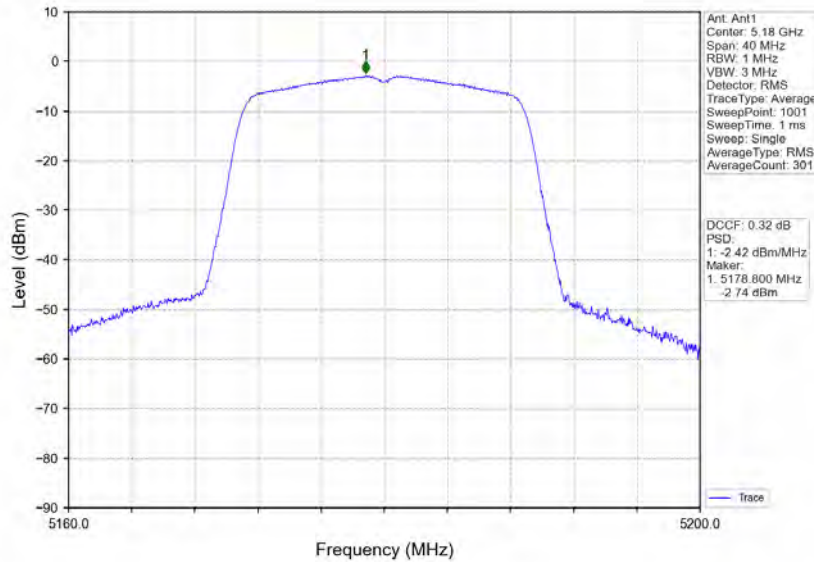
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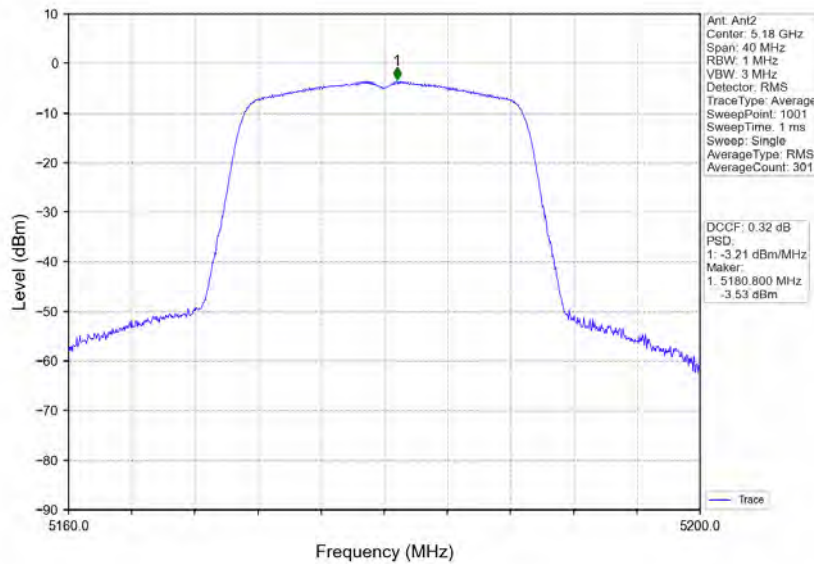
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802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



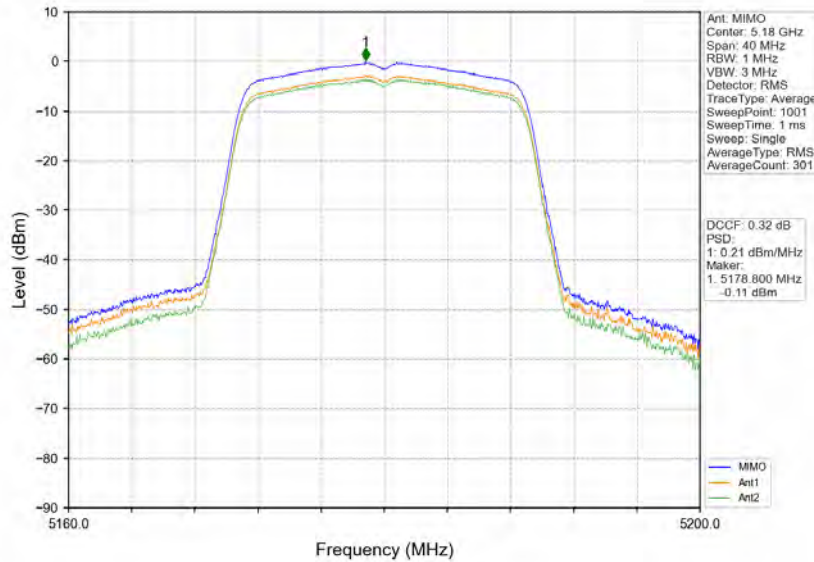
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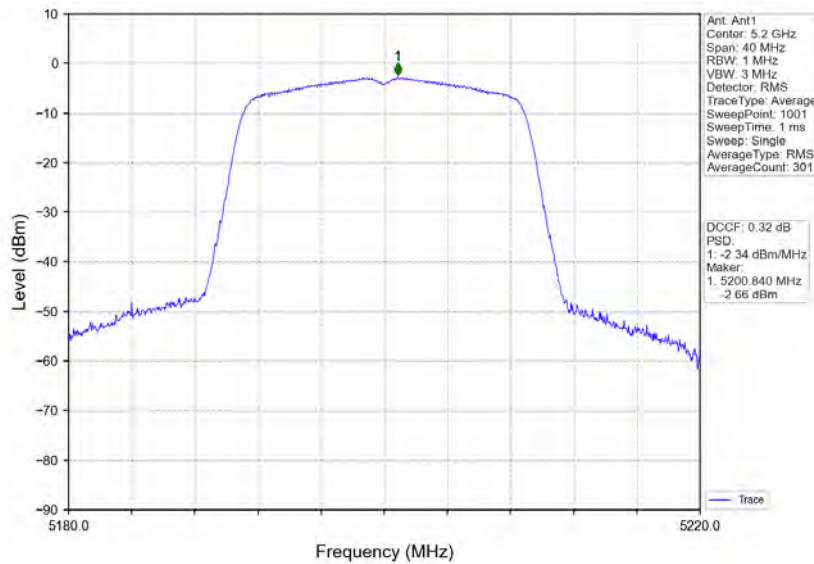
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802.11n(HT20)\_LCH\_5180MHz\_MIMO\_NTNV



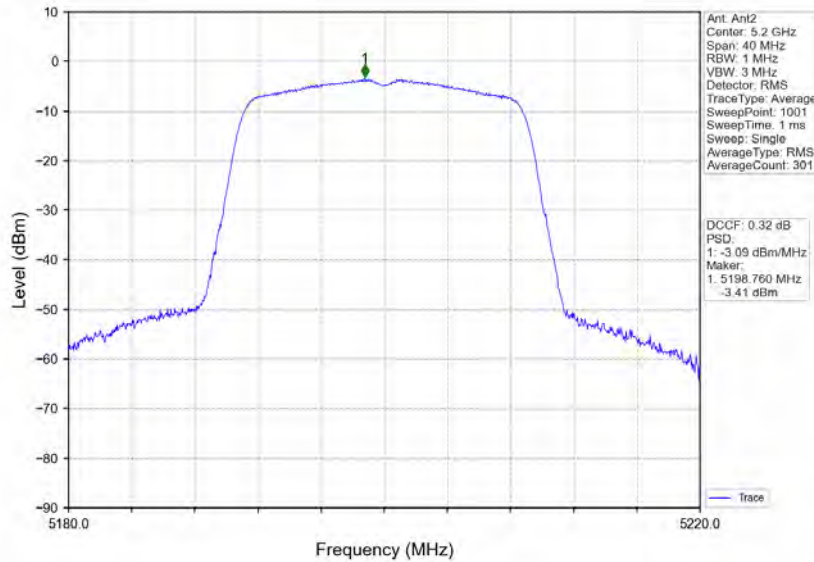
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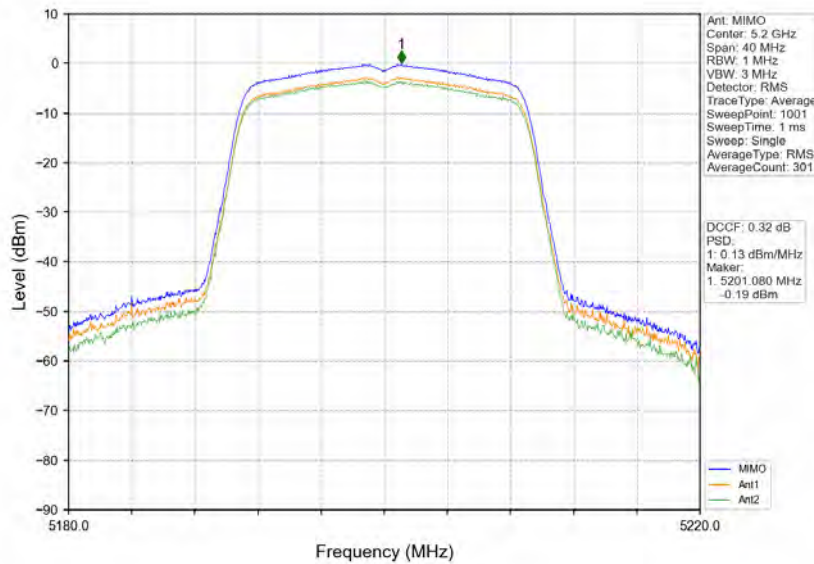
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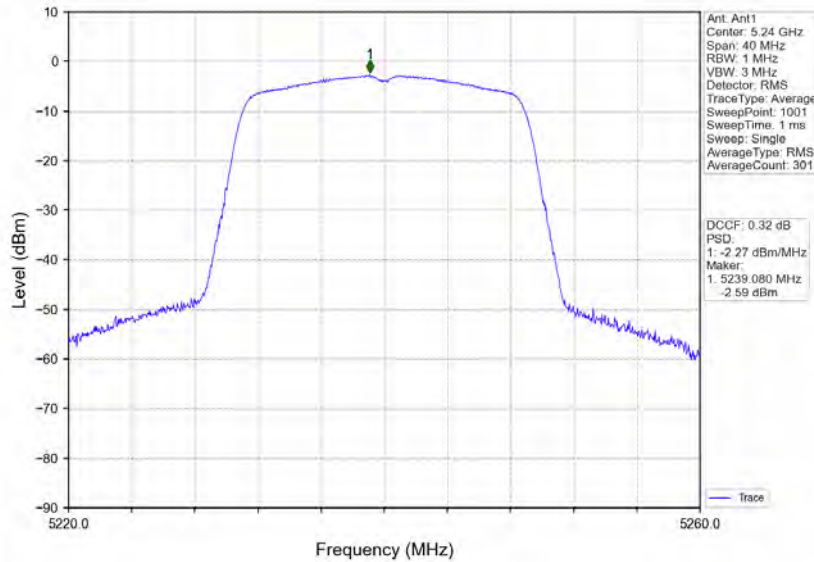
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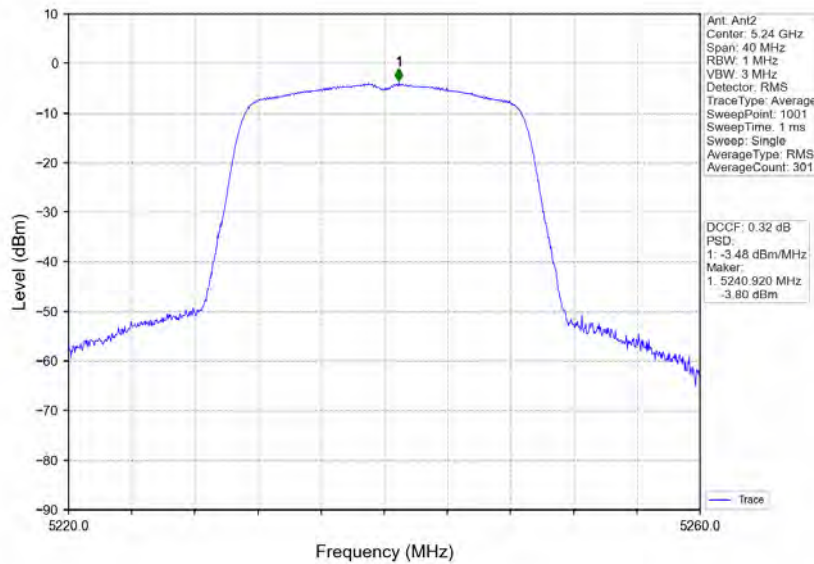
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802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



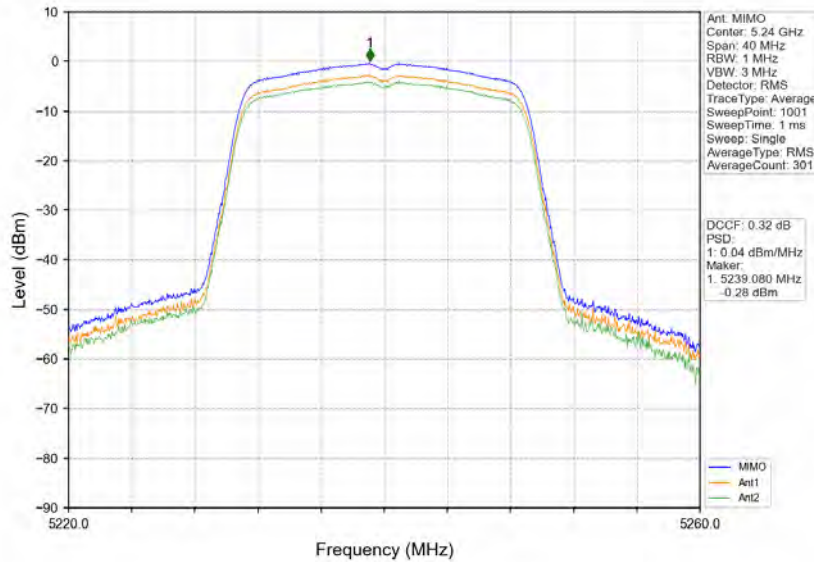
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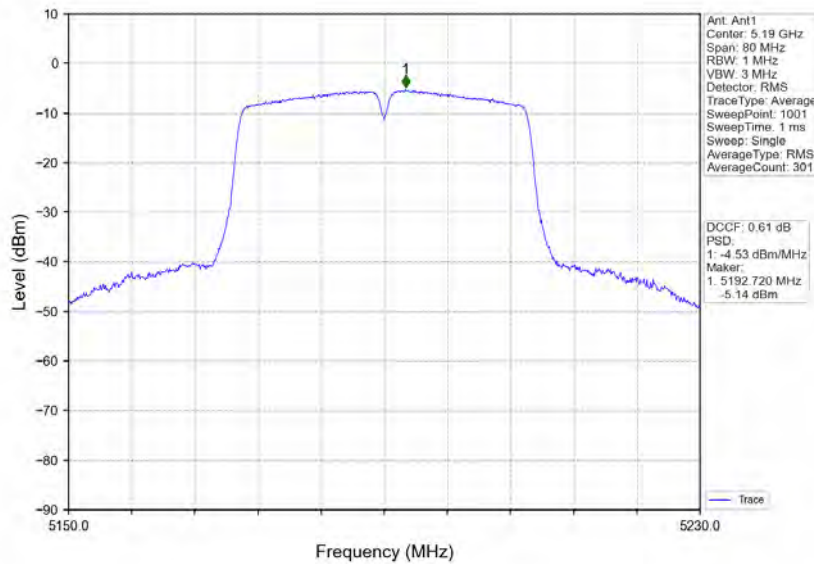
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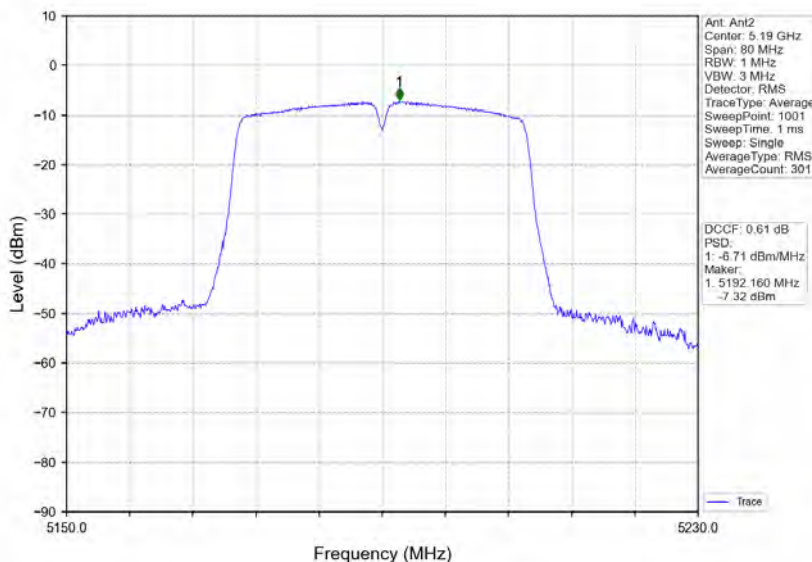
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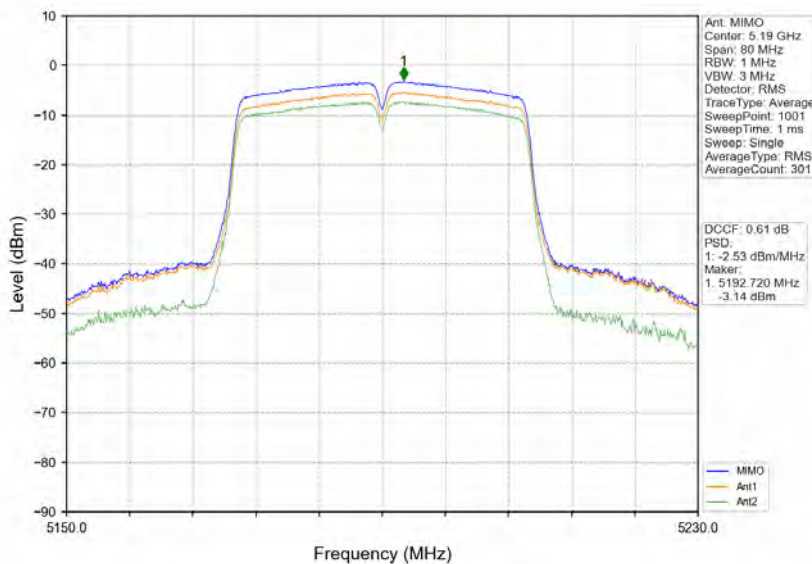
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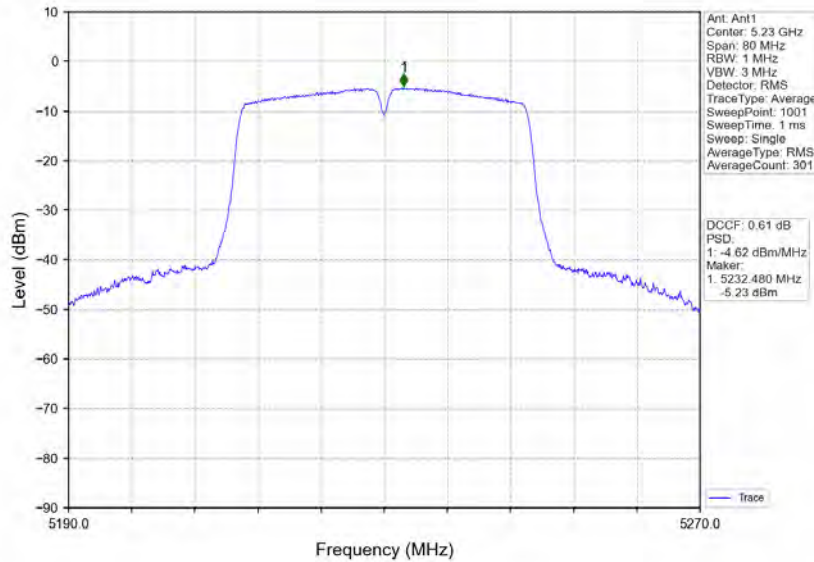
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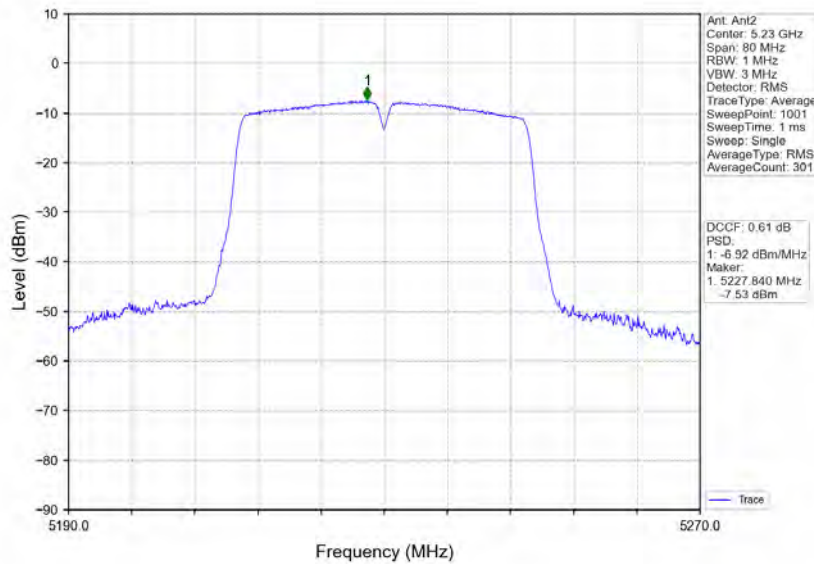
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802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

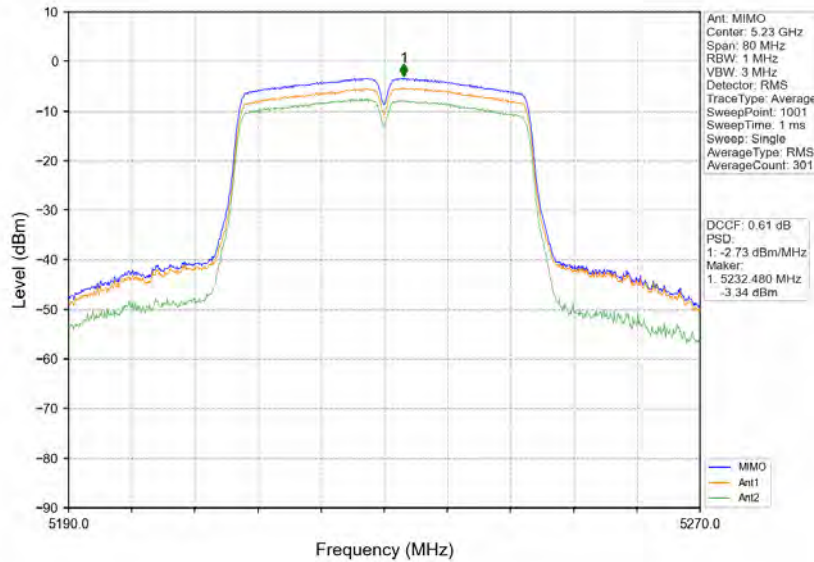


802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV

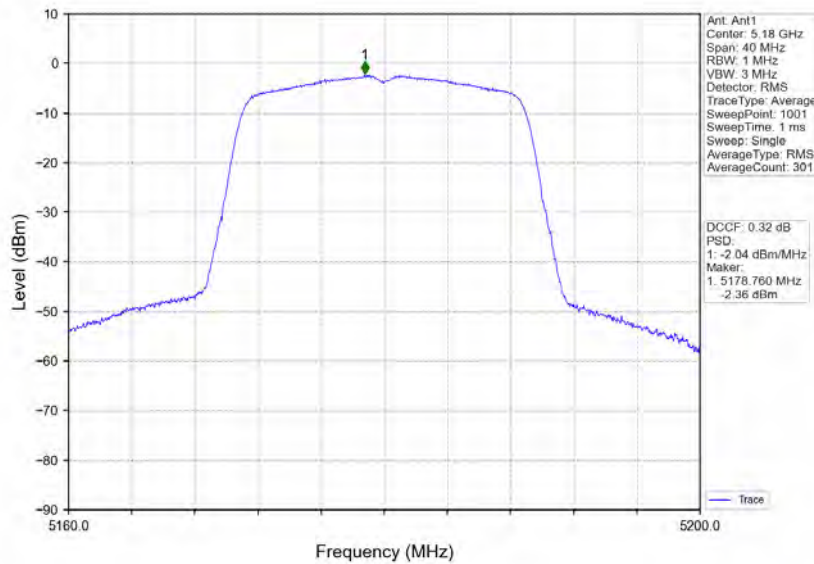


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802.11n(HT40)\_HCH\_5230MHz\_MIMO\_NTNV



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



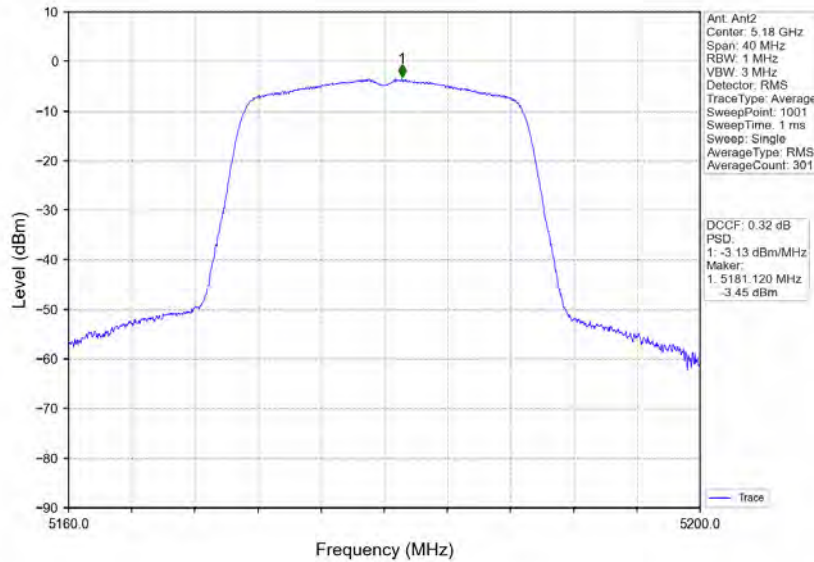
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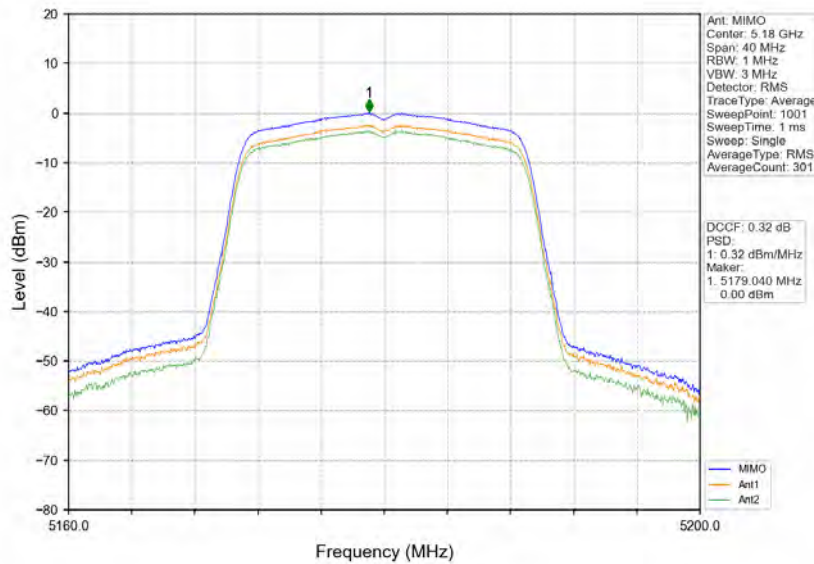
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802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



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



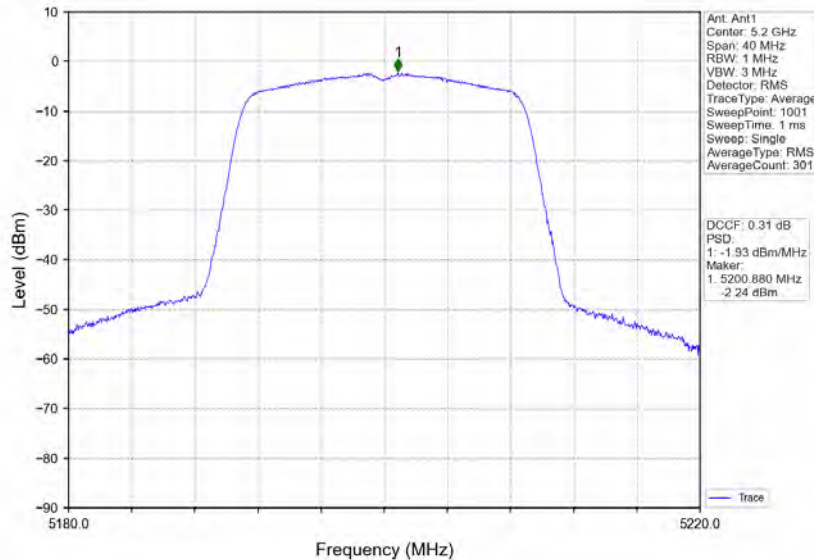
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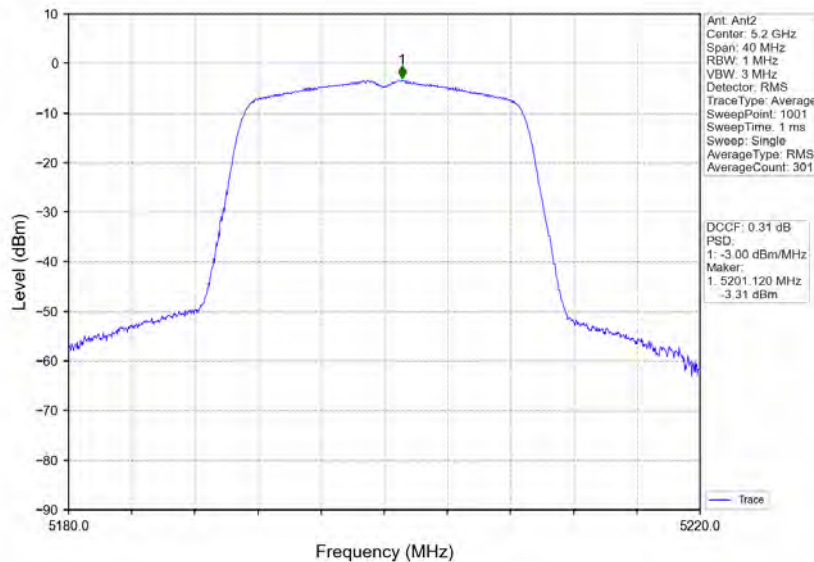
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802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



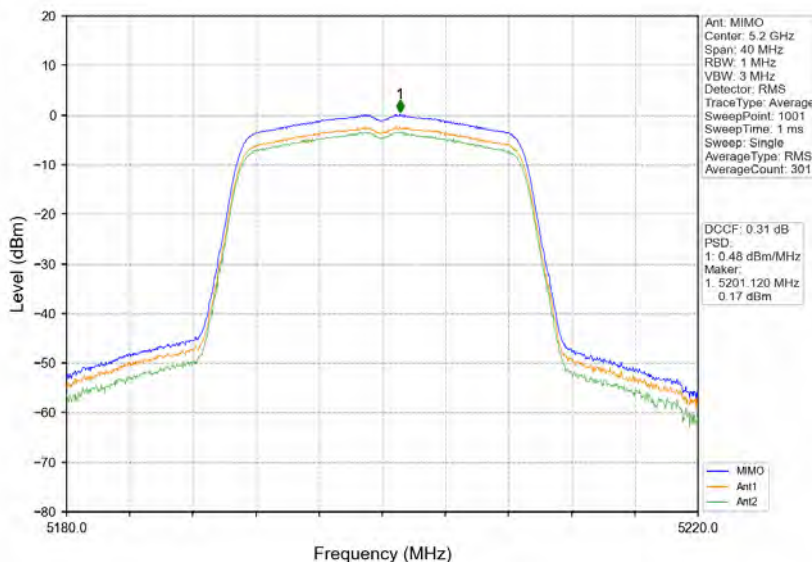
802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV



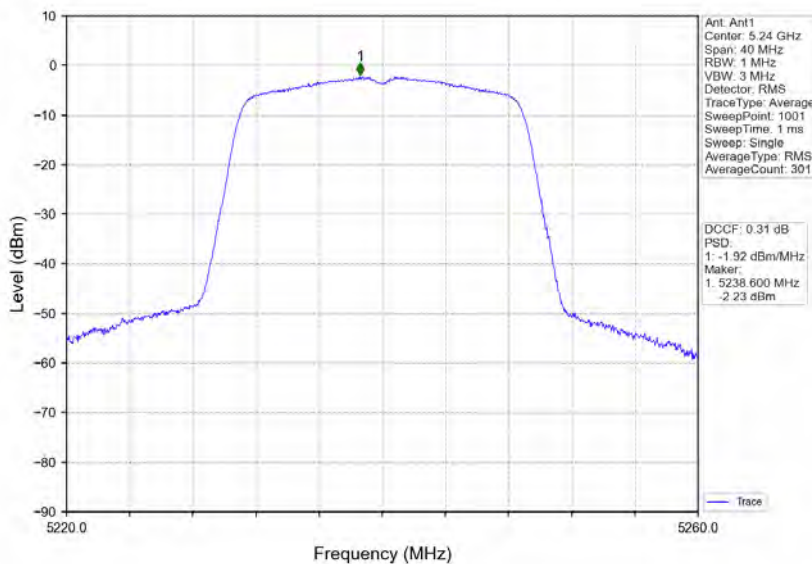
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802.11ac(VHT20)\_MCH\_5200MHz\_MIMO\_NTNV



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

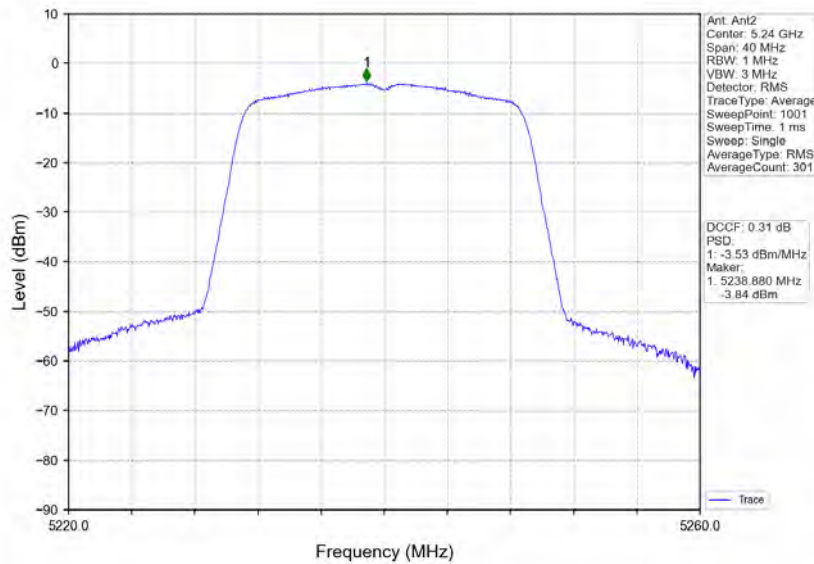


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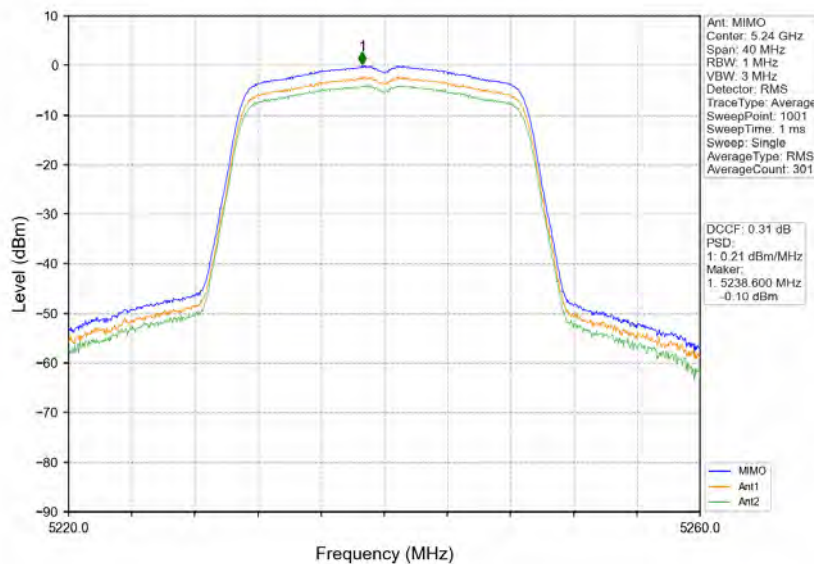
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant2\_NTNV



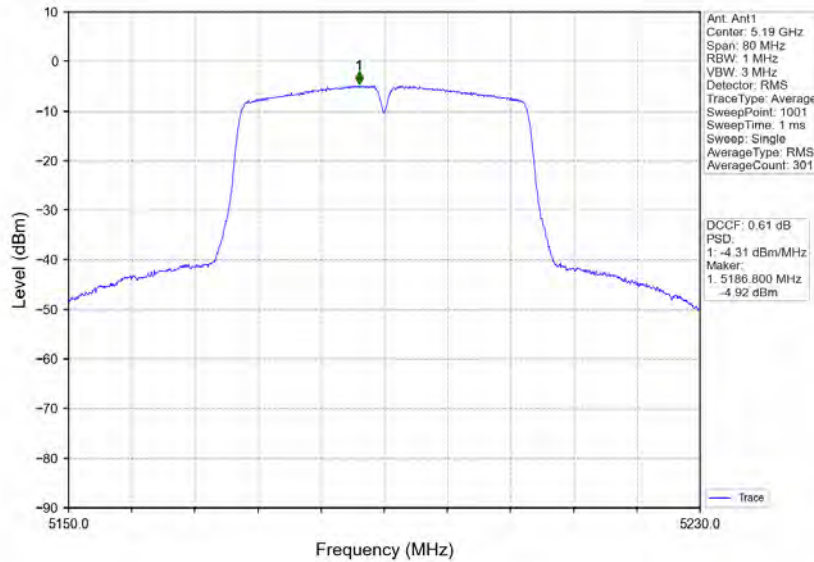
802.11ac(VHT20)\_HCH\_5240MHz\_MIMO\_NTNV



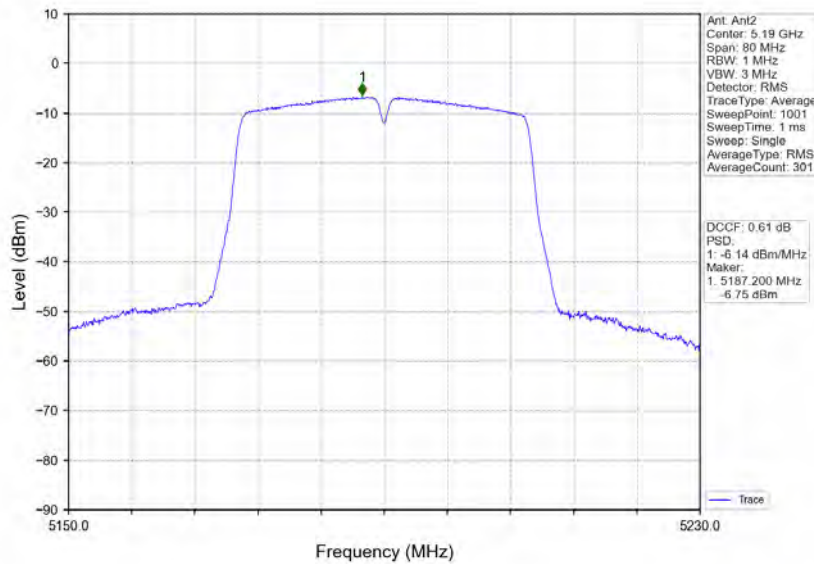
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5190MHz\_Ant2\_NTNV



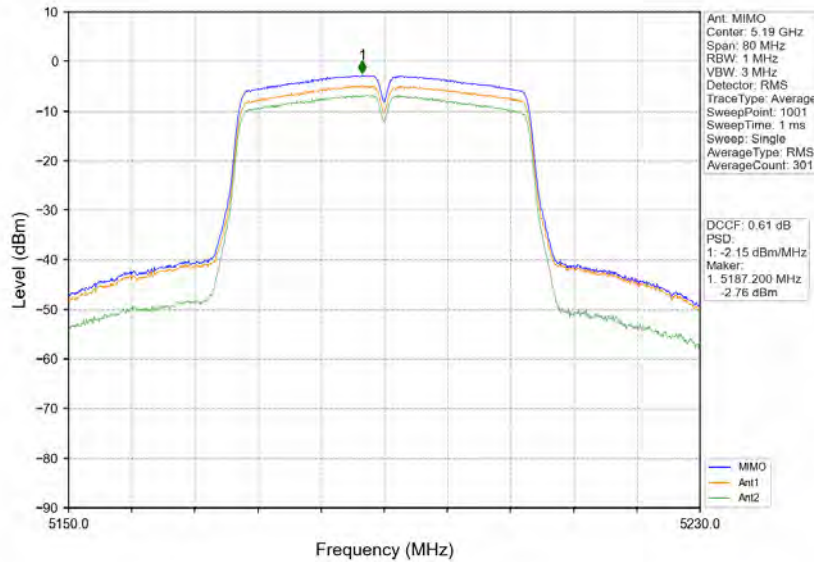
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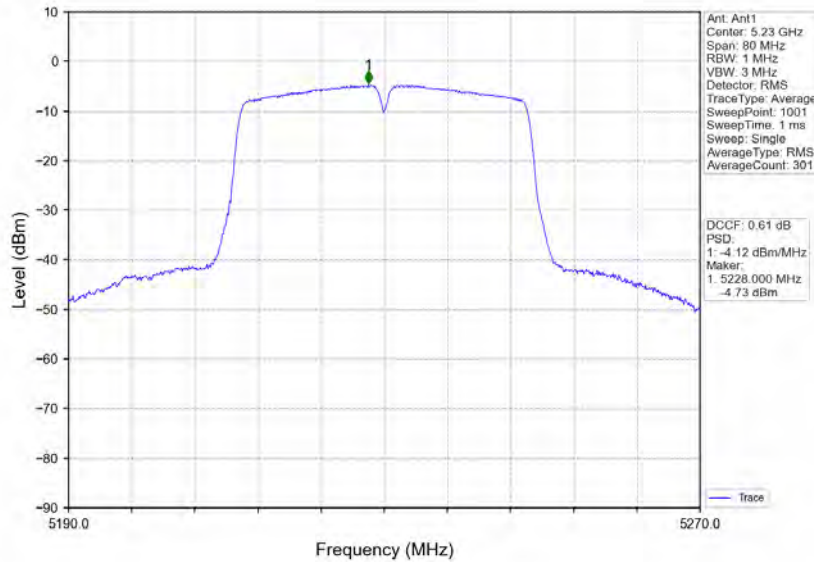
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802.11ac(VHT40)\_LCH\_5190MHz\_MIMO\_NTNV



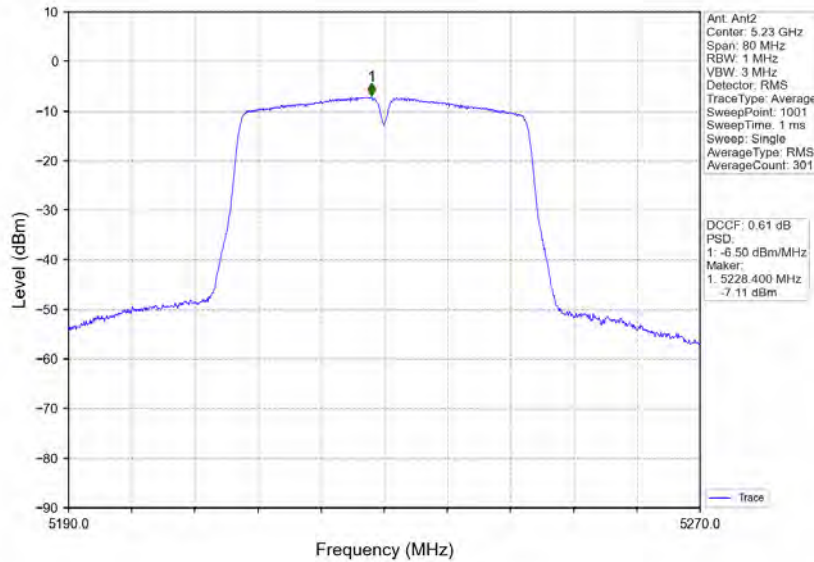
802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



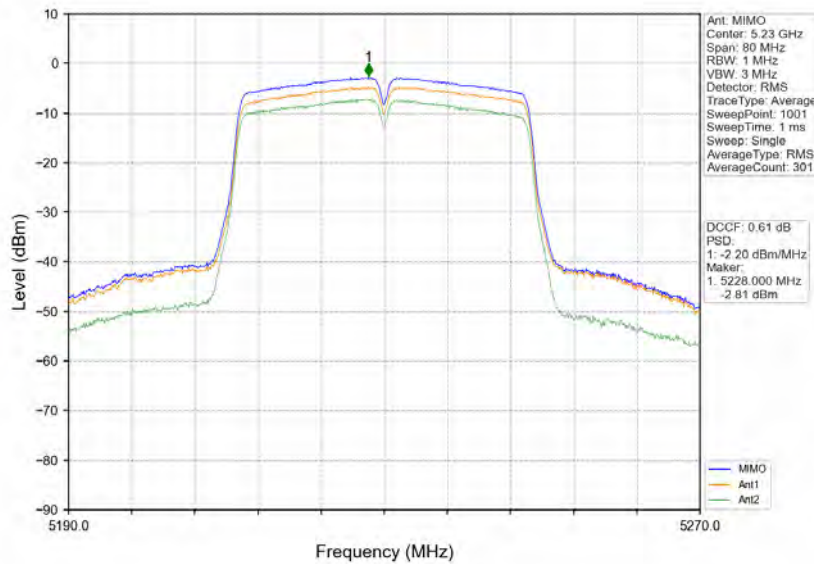
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802.11ac(VHT40)\_HCH\_5230MHz\_Ant2\_NTNV



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



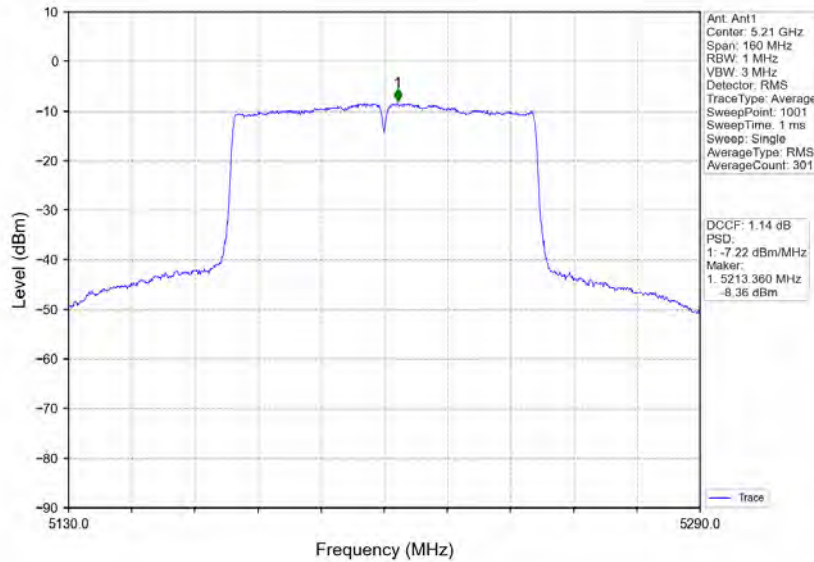
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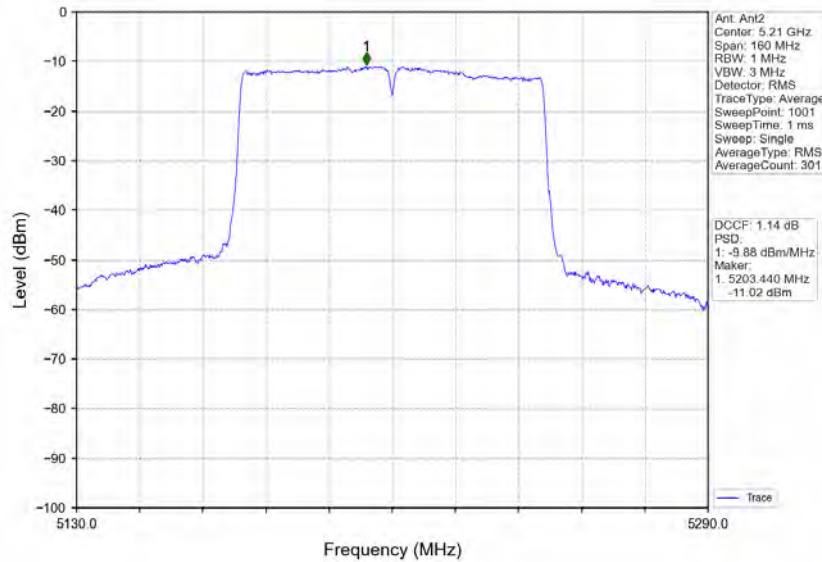
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802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



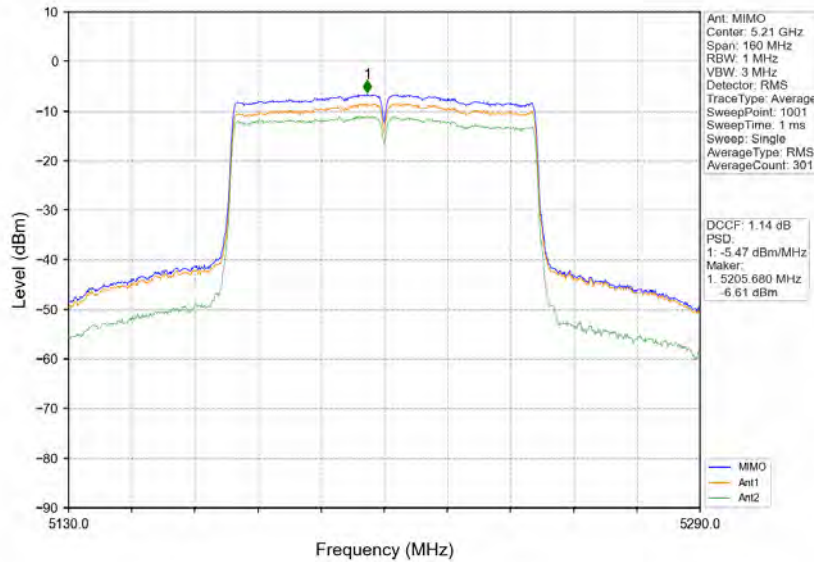
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802.11ac(VHT80)\_MCH\_5210MHz\_MIMO\_NTNV



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11a	SISO	5745	-4.61	-4.29	/	<=30	Pass
		5785	-5.35	-4.66	/	<=30	Pass
		5825	-5.44	-5.12	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-6.07	-5.40	-2.85	<=30	Pass
		5785	-6.72	-6.13	-3.51	<=30	Pass
		5825	-6.57	-6.19	-3.49	<=30	Pass
802.11n (HT40)	MIMO	5755	-9.18	-8.32	-5.75	<=30	Pass
		5795	-9.22	-9.21	-6.26	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-5.56	-5.64	-2.77	<=30	Pass
		5785	-6.26	-6.12	-3.28	<=30	Pass
		5825	-6.63	-6.24	-3.47	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-8.77	-8.43	-5.73	<=30	Pass
		5795	-9.61	-8.95	-6.37	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-12.18	-12.01	-9.17	<=30	Pass

Note1: Antenna Gain: Ant1: 2.30dBi; Ant2: 0.78dBi;

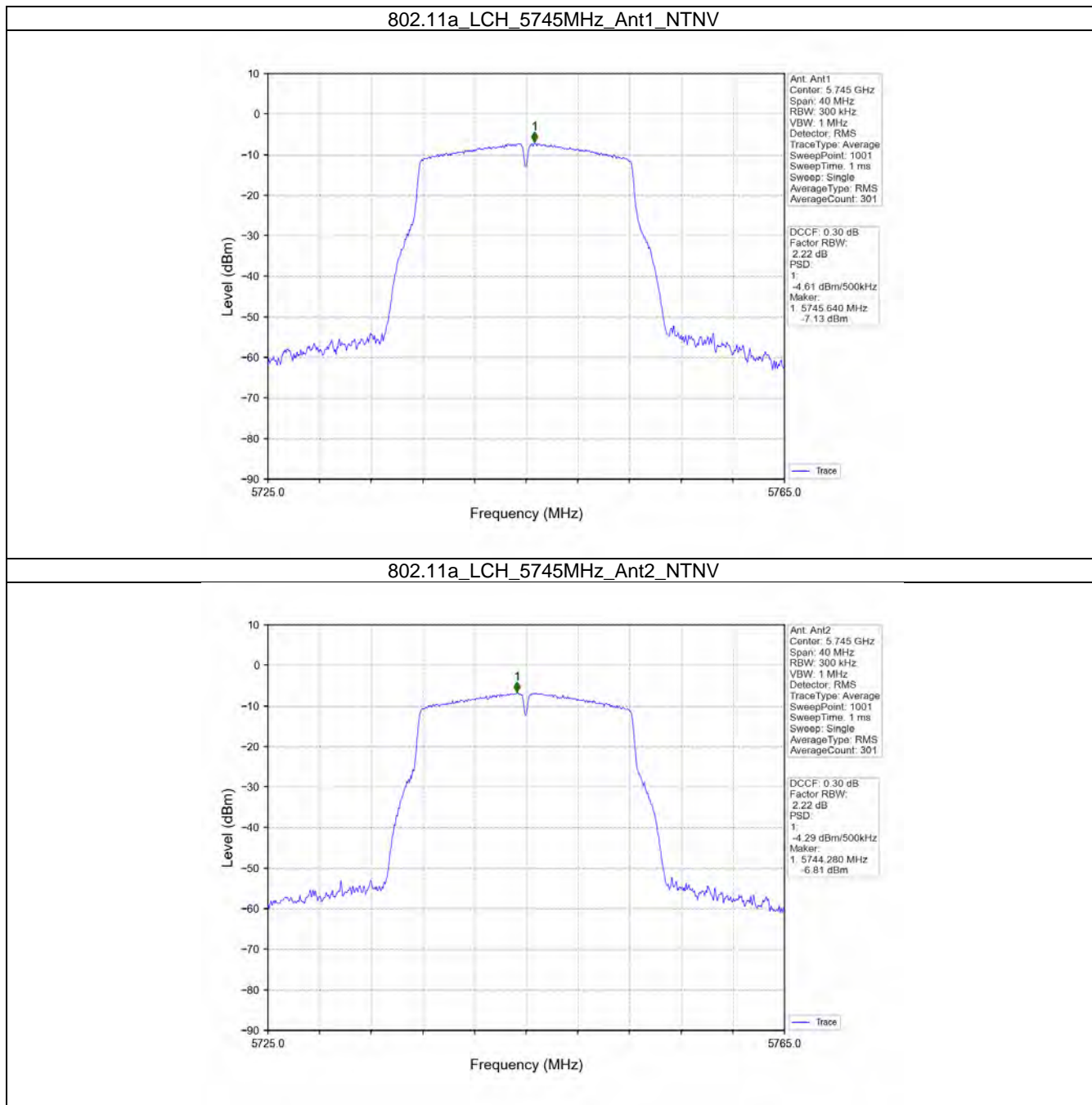


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4.2.2 Test Graph



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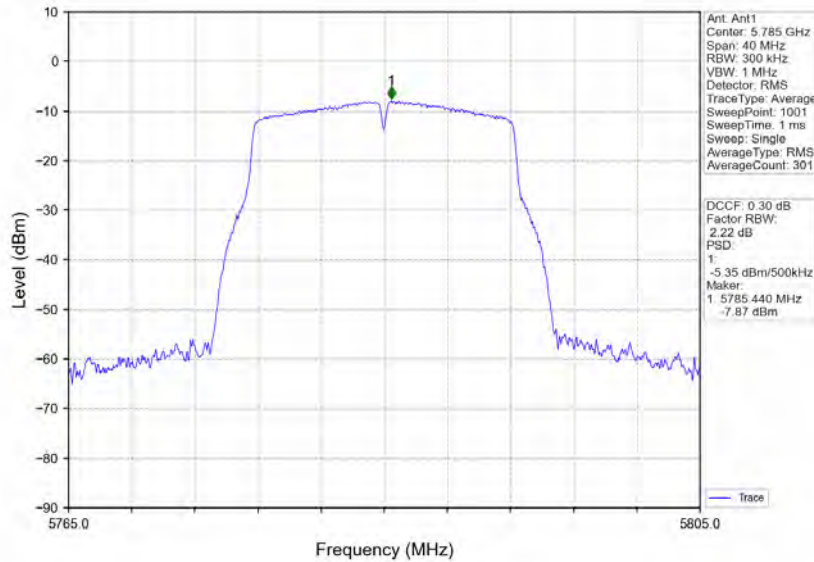
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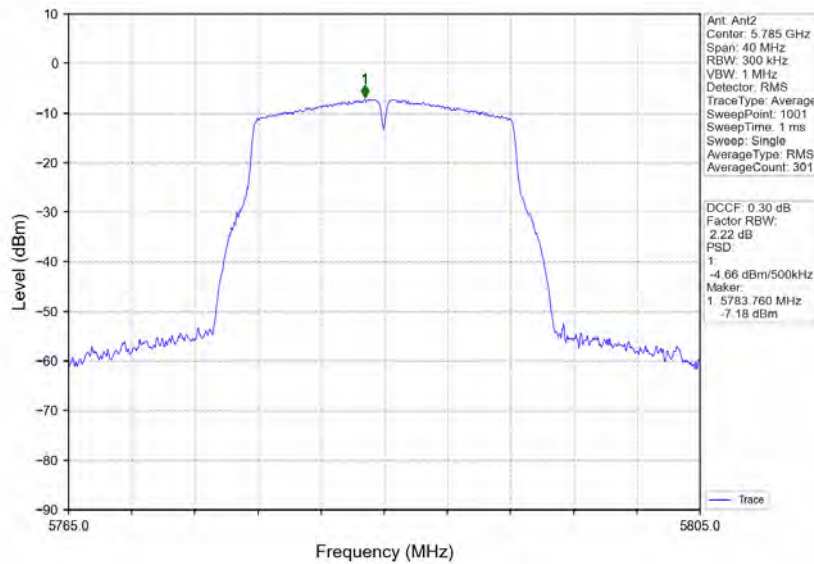
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



802.11a\_MCH\_5785MHz\_Ant2\_NTNV



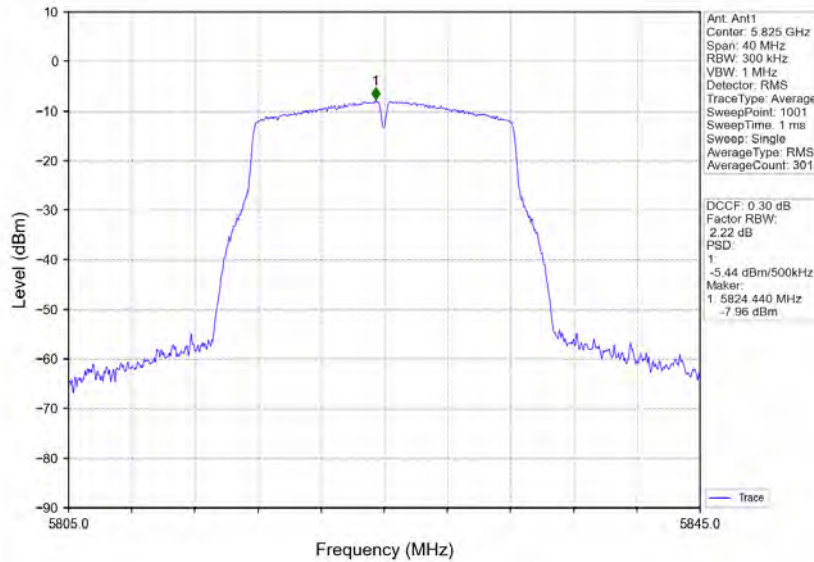
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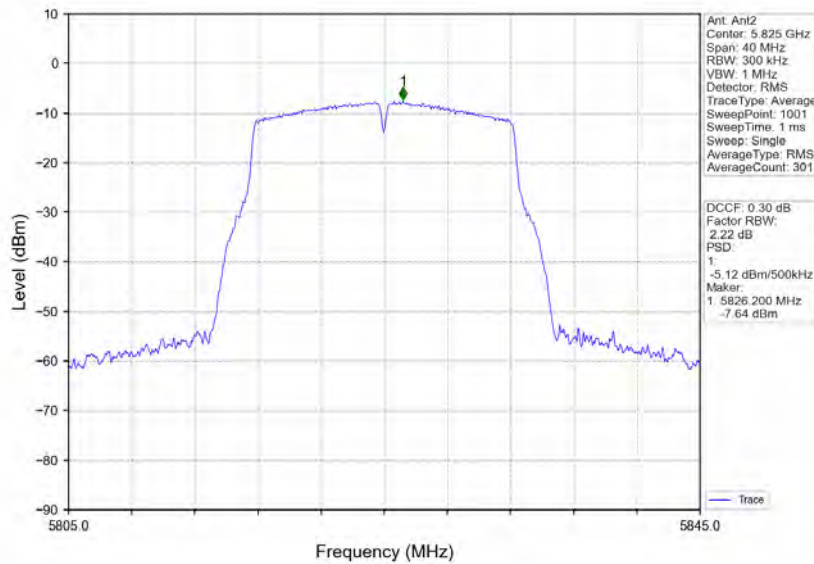
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802.11a\_HCH\_5825MHz\_Ant1\_NTNV



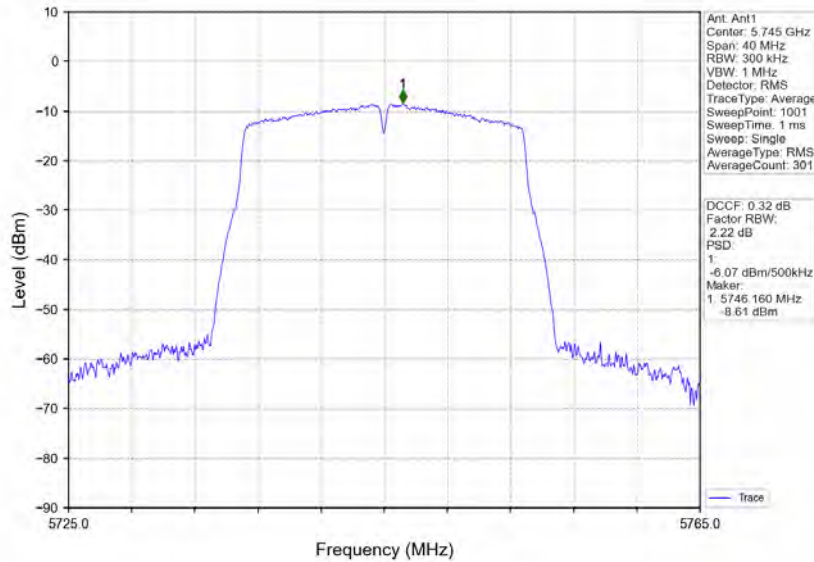
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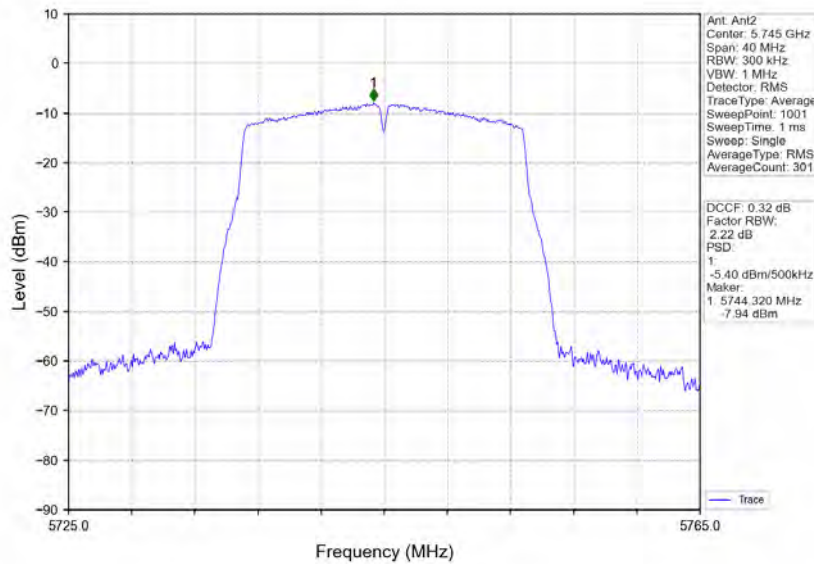
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802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV



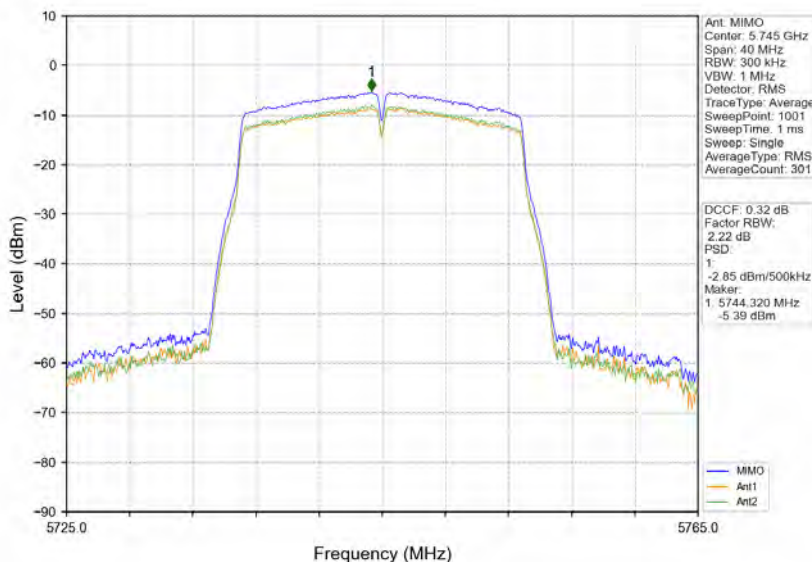
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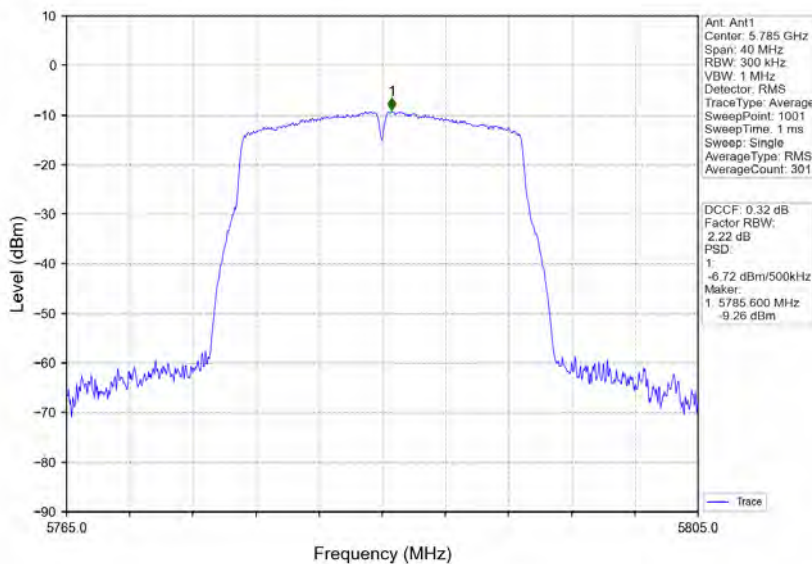
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802.11n(HT20)\_LCH\_5745MHz\_MIMO\_NTNV



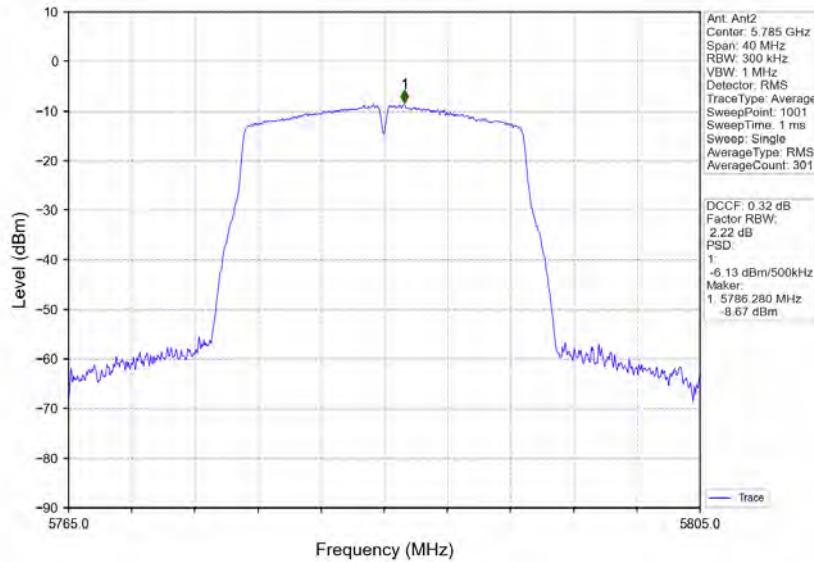
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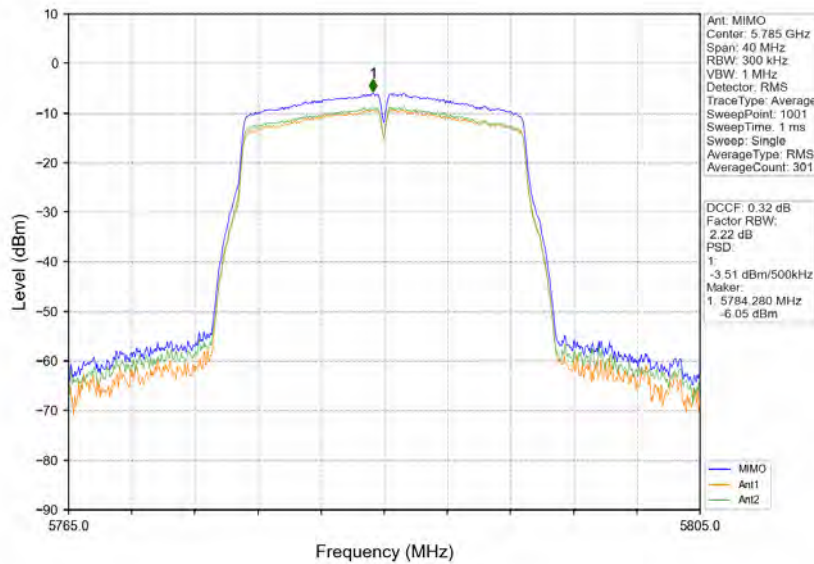
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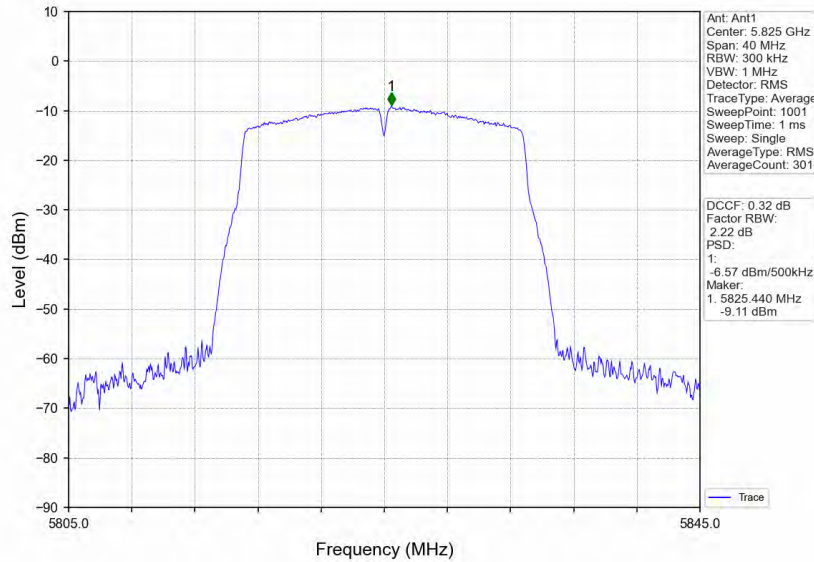
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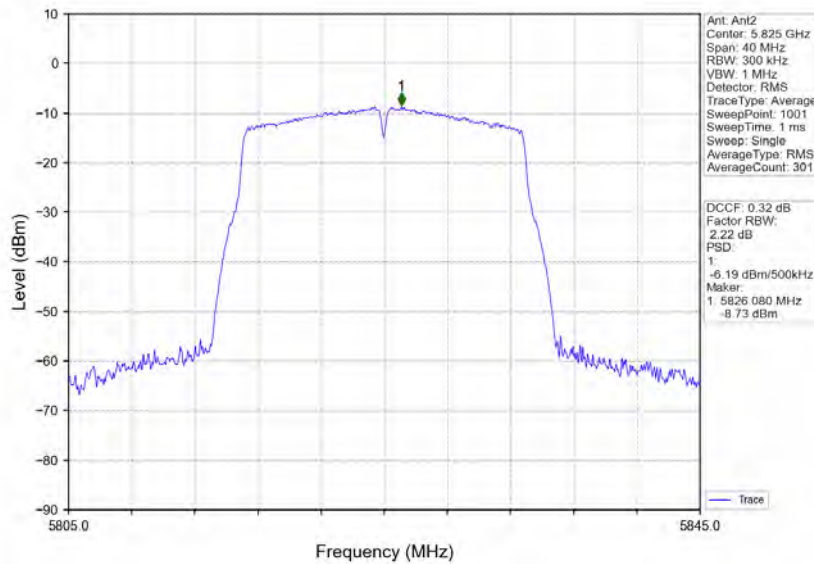
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802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



802.11n(HT20)\_HCH\_5825MHz\_Ant2\_NTNV



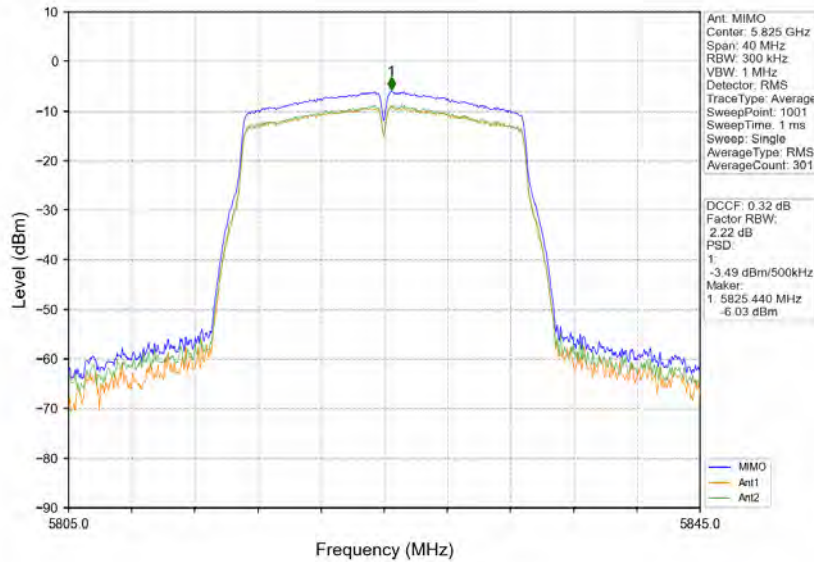
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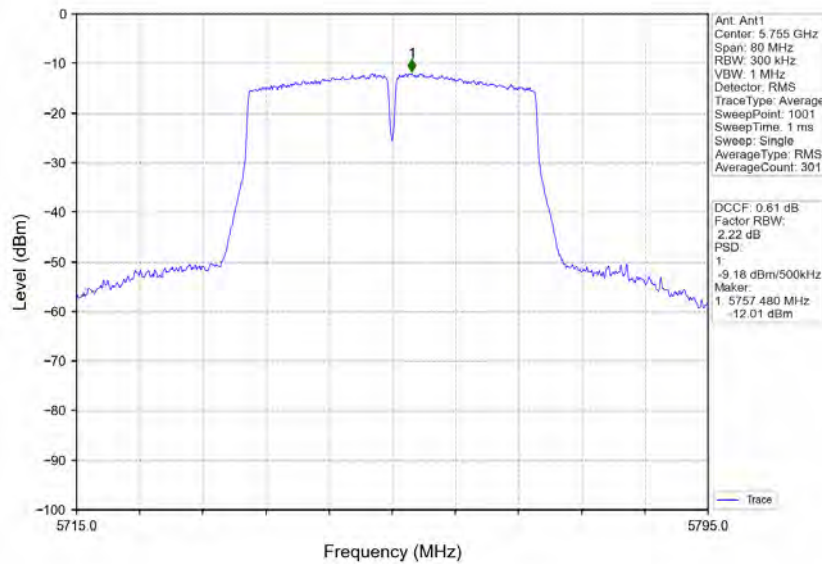
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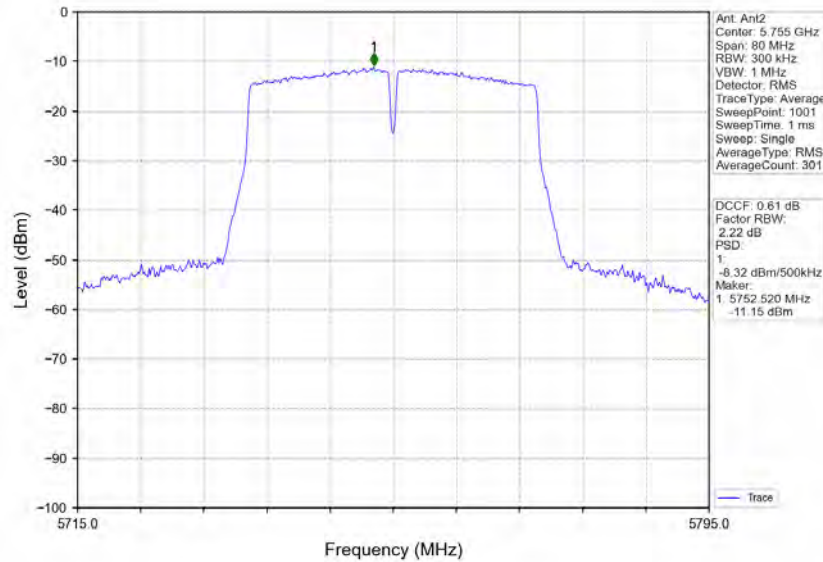
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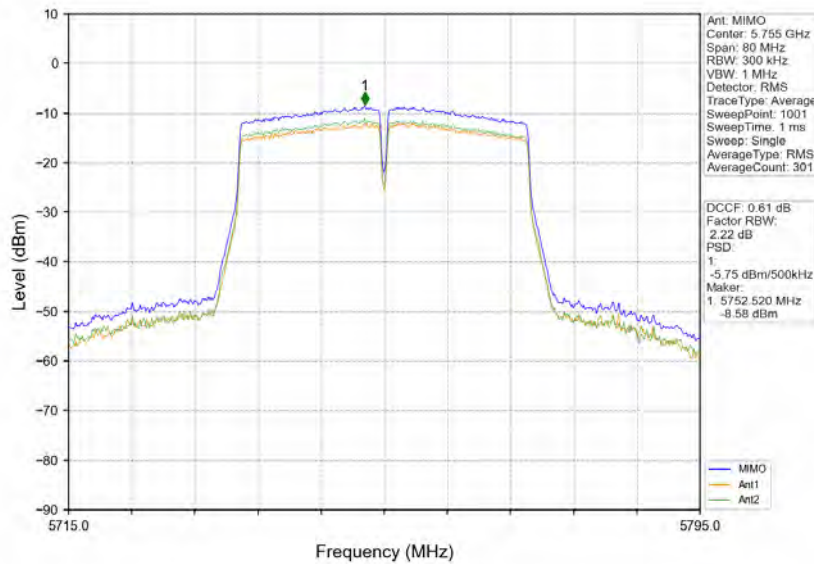
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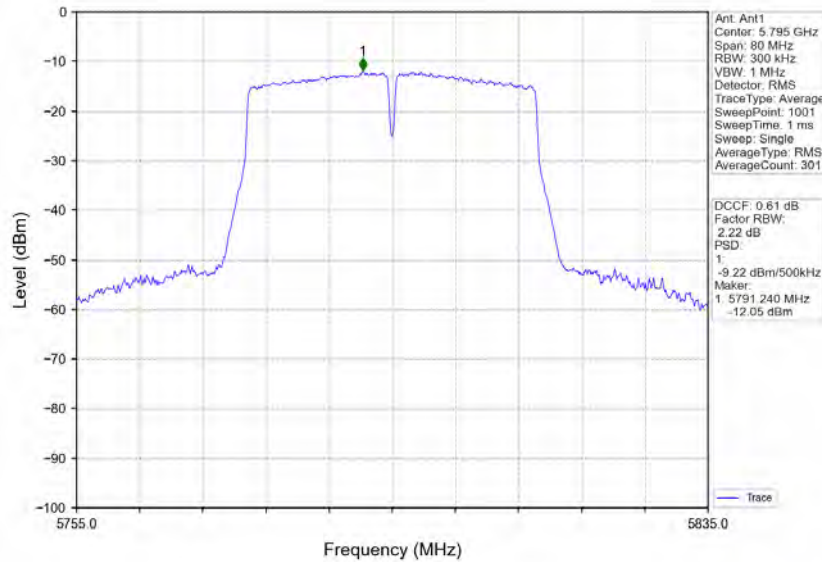
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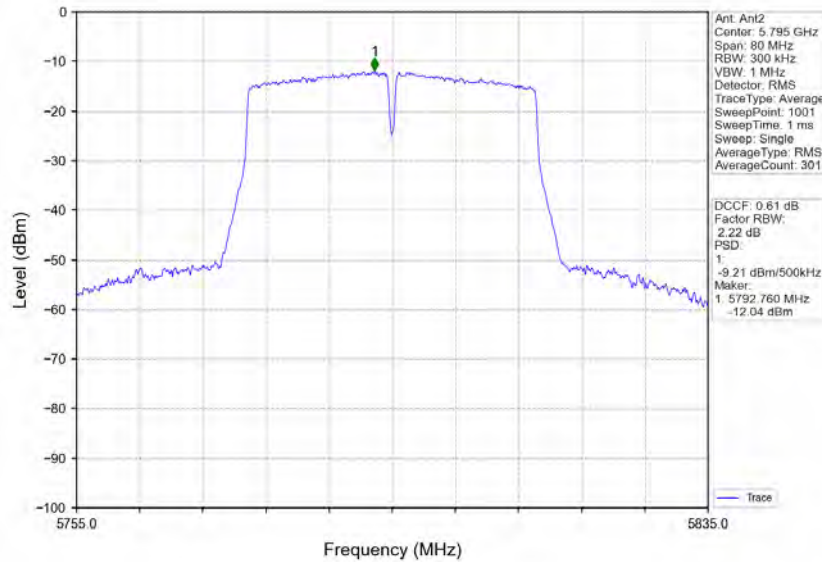
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802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



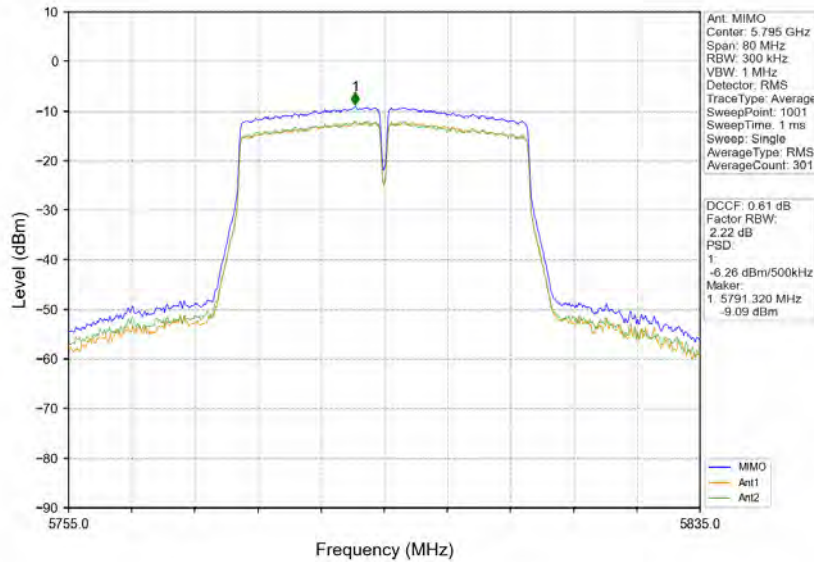
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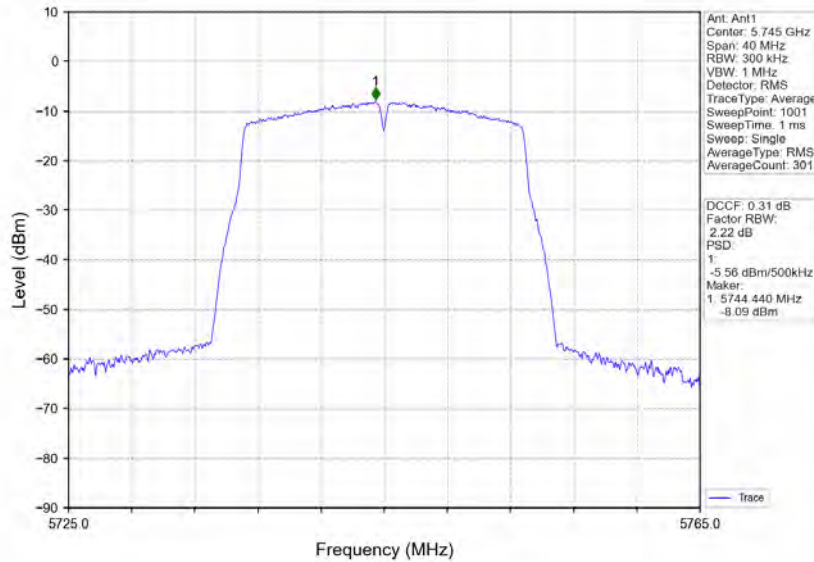
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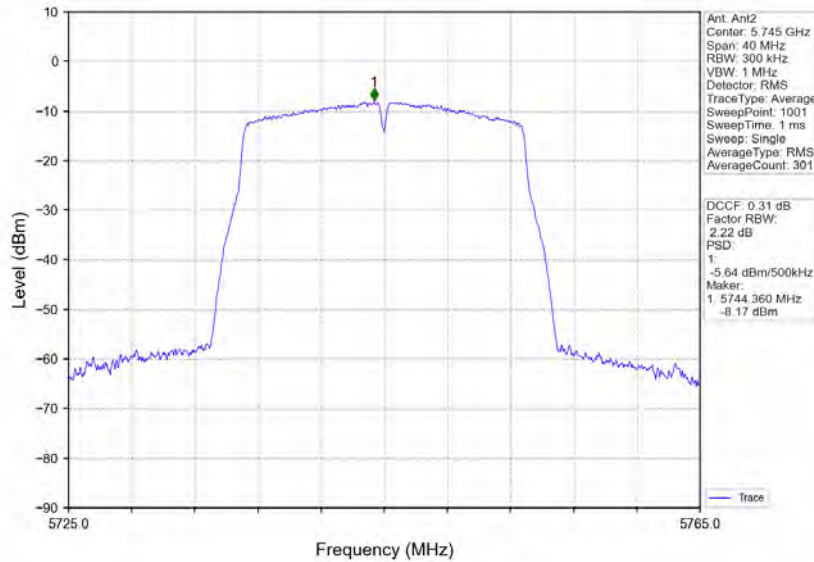
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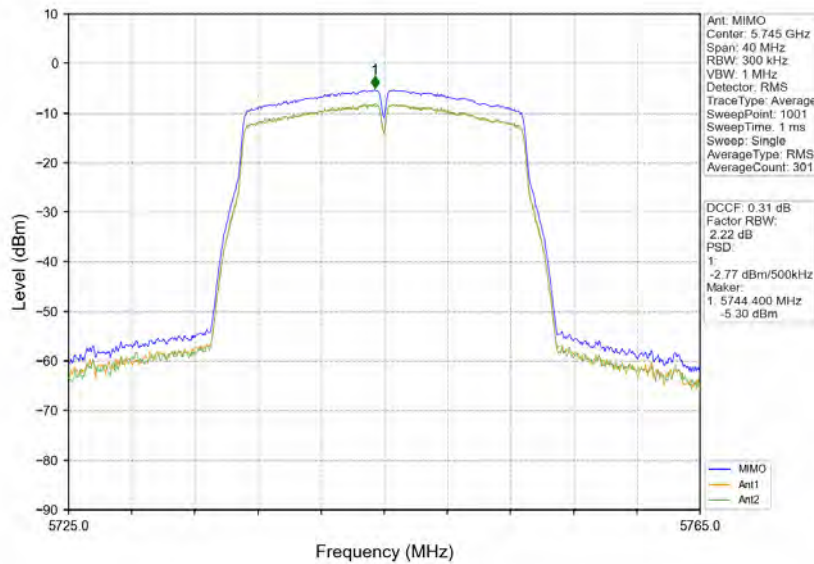
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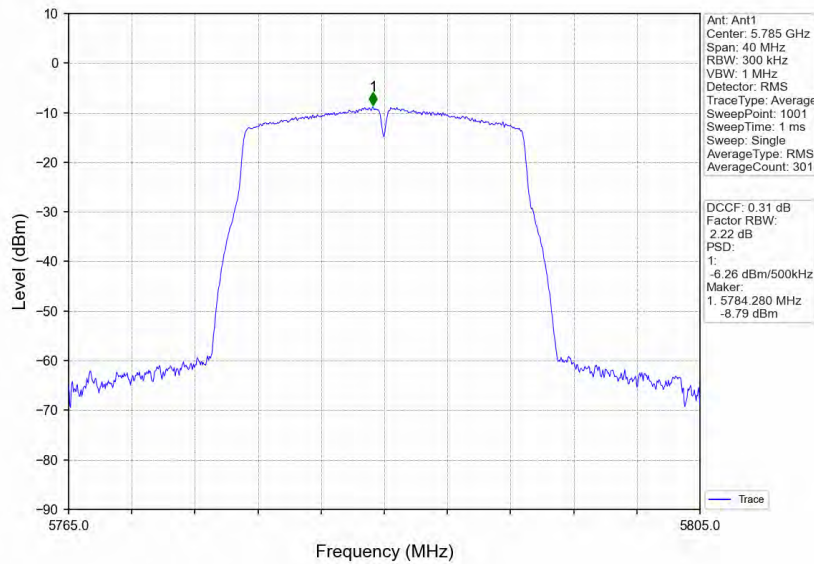
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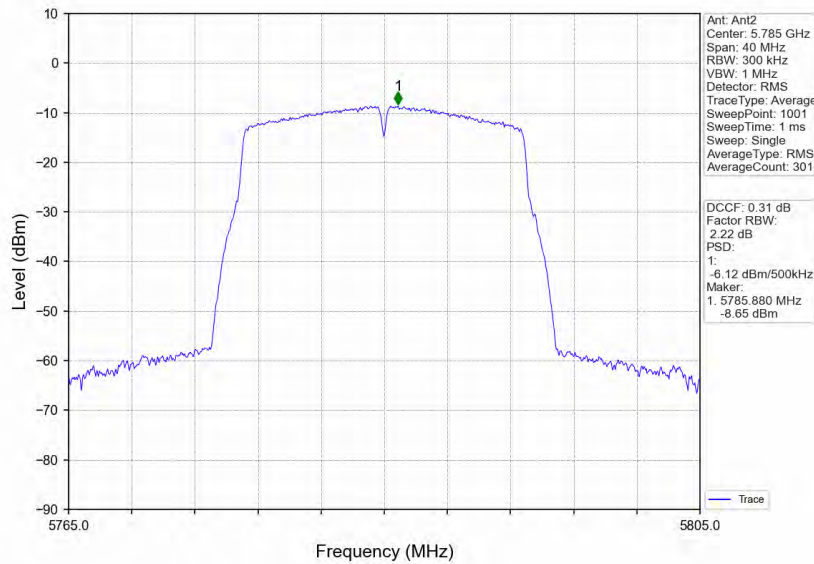
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802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5785MHz\_Ant2\_NTNV



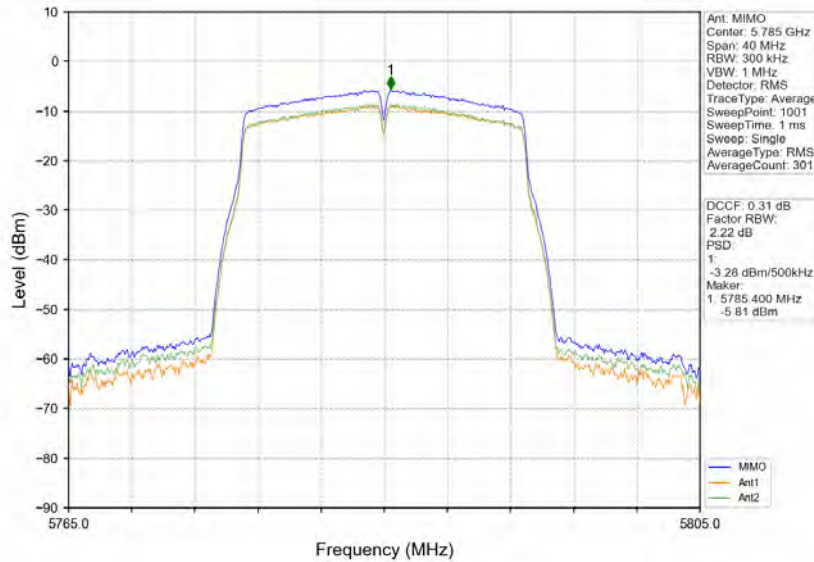
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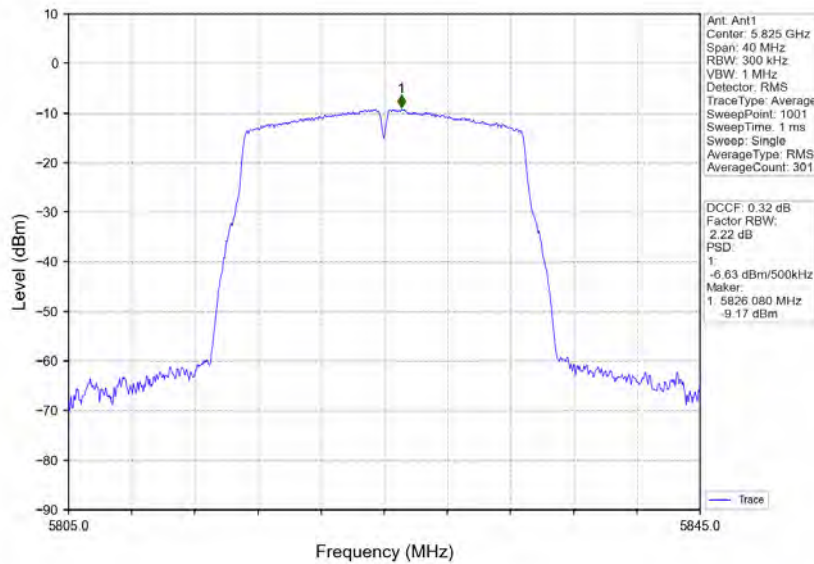
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802.11ac(VHT20)\_MCH\_5785MHz\_MIMO\_NTNV



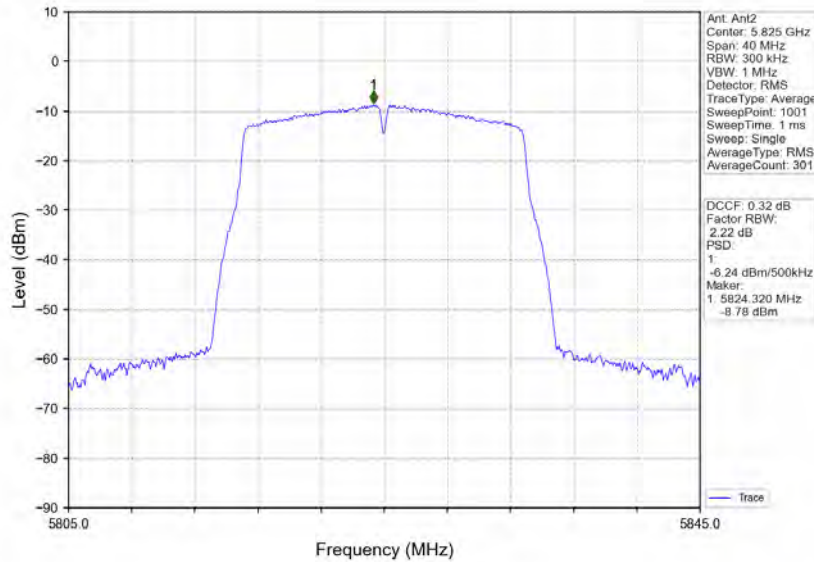
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



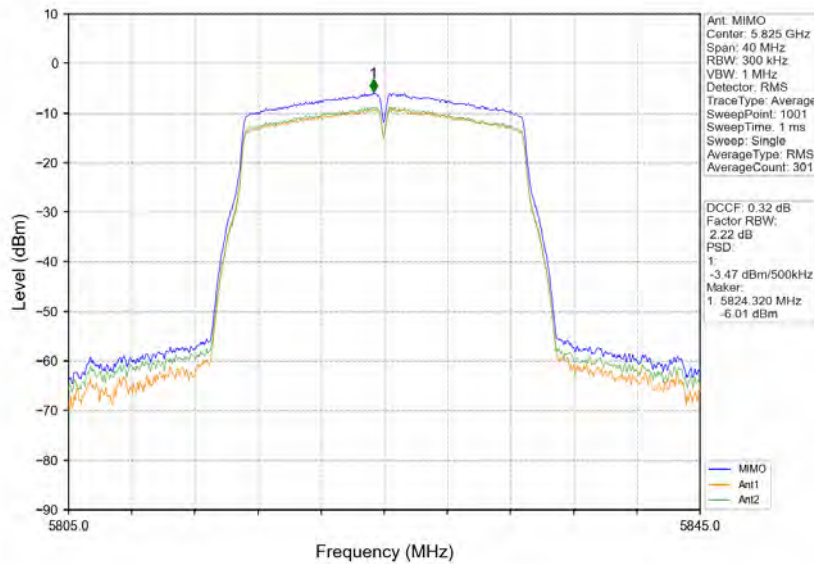
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802.11ac(VHT20)\_HCH\_5825MHz\_Ant2\_NTNV



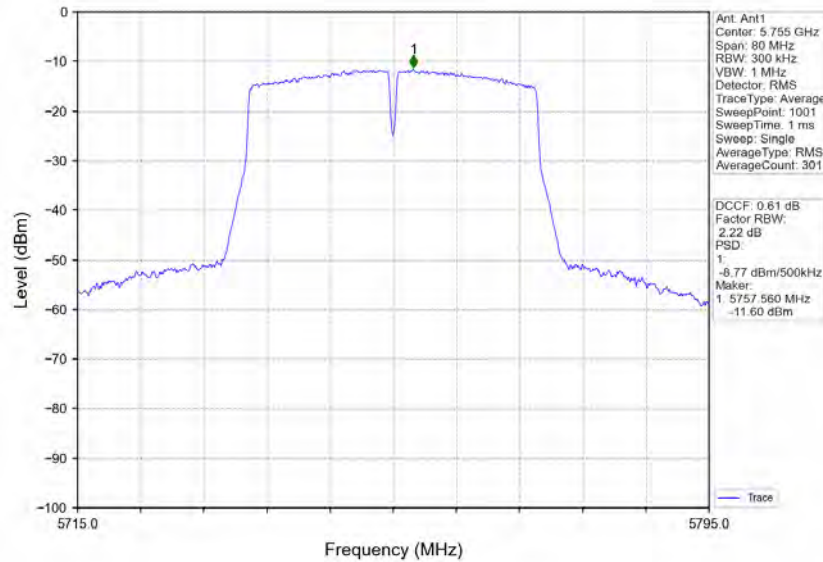
802.11ac(VHT20)\_HCH\_5825MHz\_MIMO\_NTNV



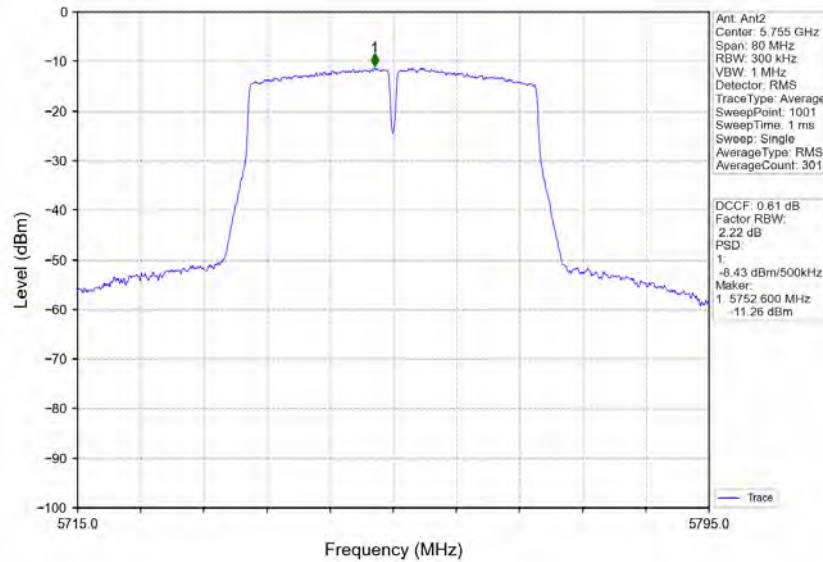
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802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_LCH\_5755MHz\_Ant2\_NTNV



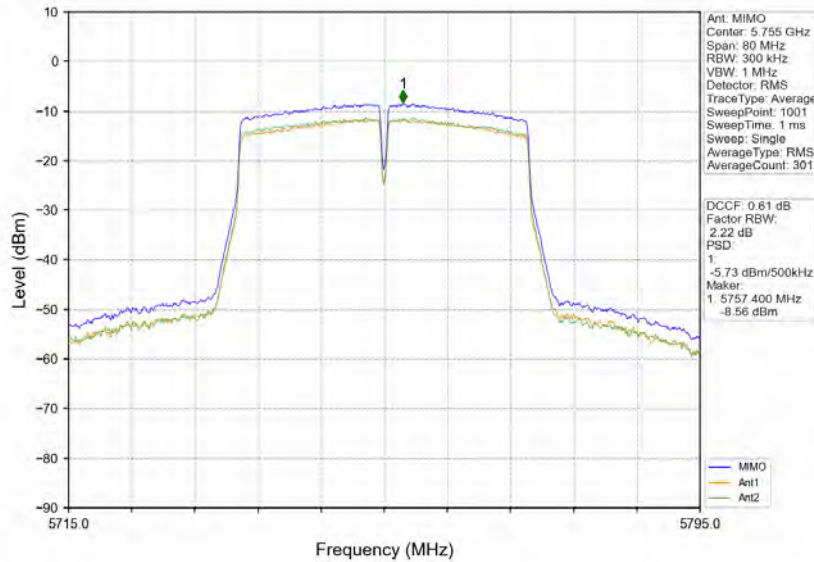
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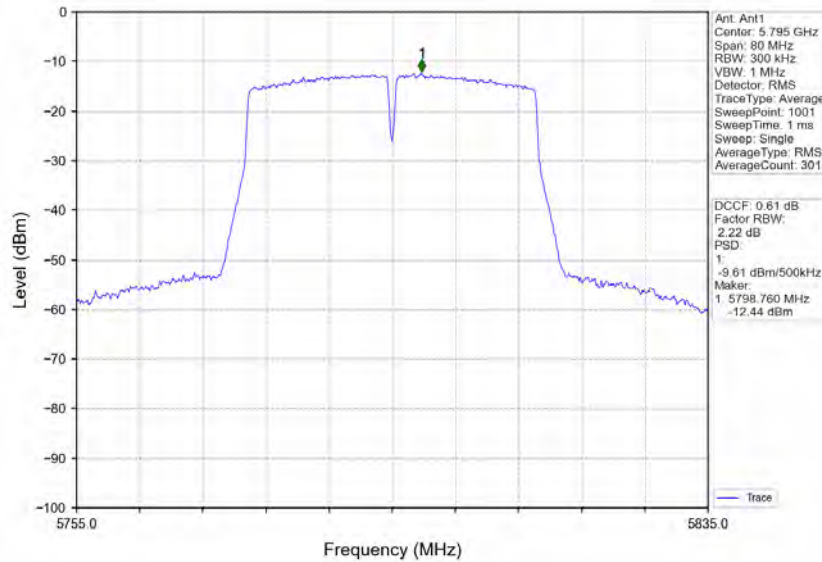
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802.11ac(VHT40)\_LCH\_5755MHz\_MIMO\_NTNV



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

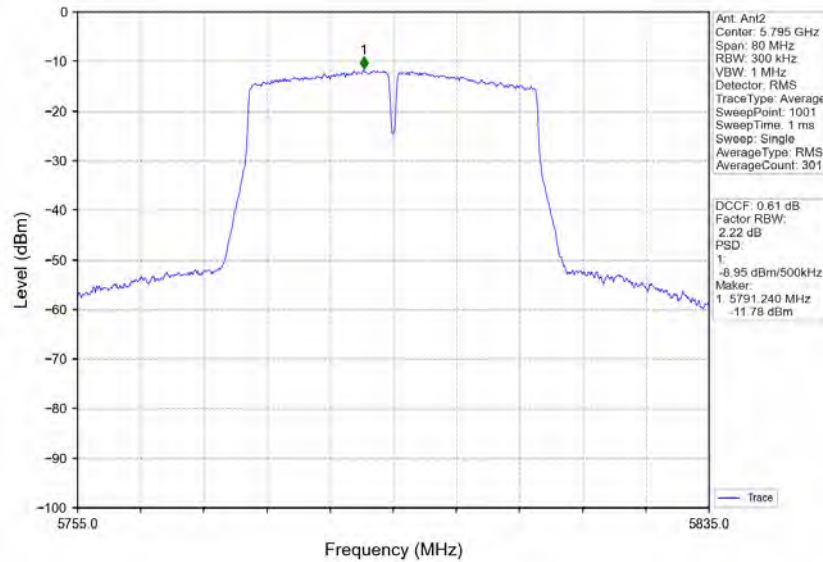


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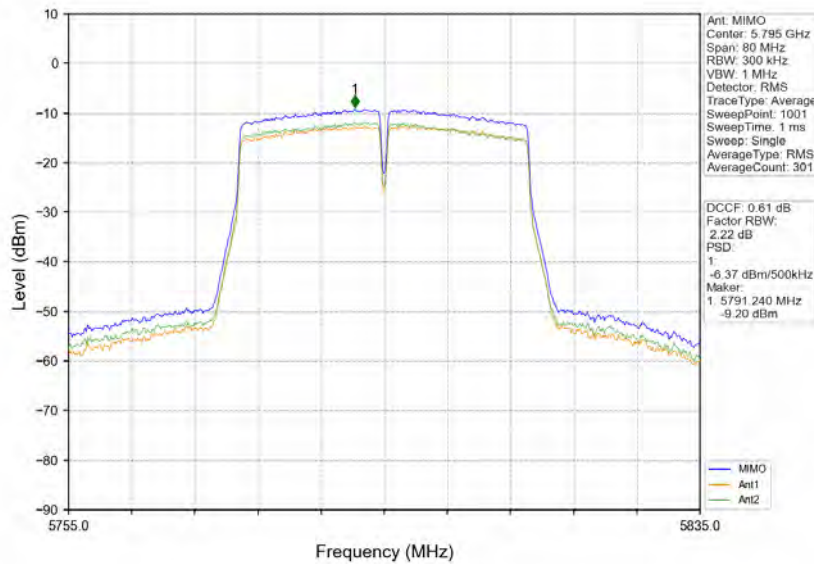
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802.11ac(VHT40)\_HCH\_5795MHz\_Ant2\_NTNV



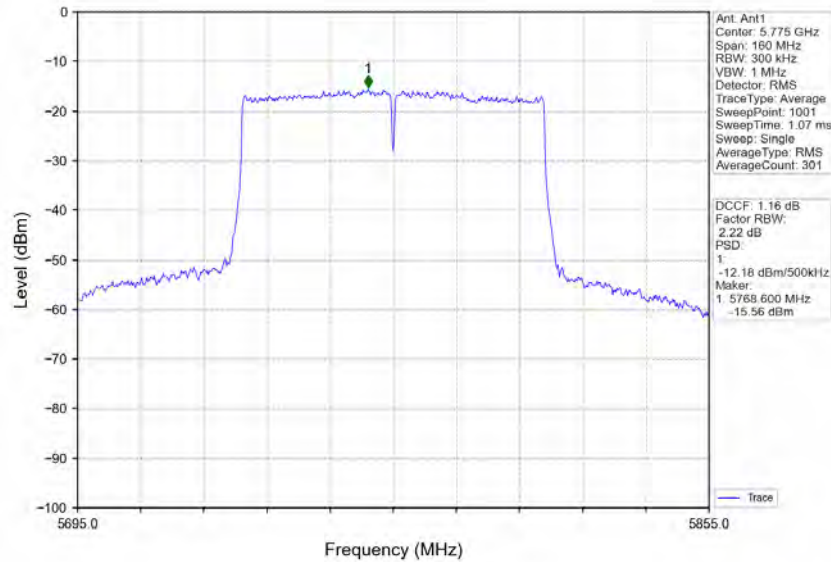
802.11ac(VHT40)\_HCH\_5795MHz\_MIMO\_NTNV



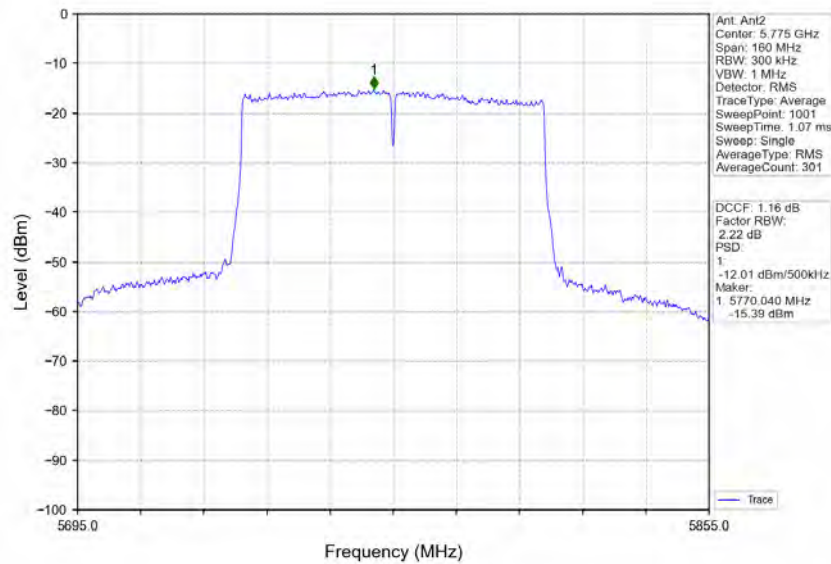
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802.11ac(VHT80)\_MCH\_5775MHz\_Ant1\_NTNV



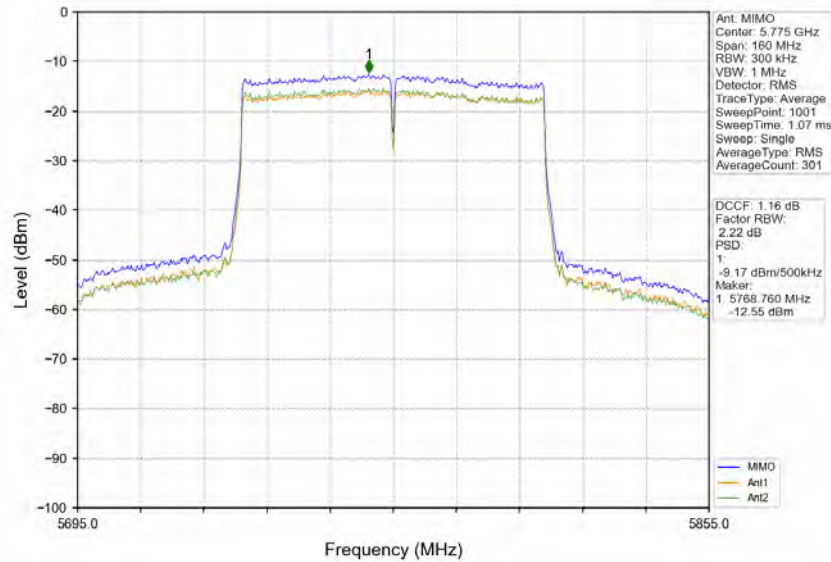
802.11ac(VHT80)\_MCH\_5775MHz\_Ant2\_NTNV



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802.11ac(VHT80)\_MCH\_5775MHz\_MIMO\_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	5179.960	5150 to 5250	Pass		
				120	5179.980	5150 to 5250	Pass		
				138	5179.900	5150 to 5250	Pass		
			5200	-30	120	5179.900	5150 to 5250	Pass	
					-20	120	5180.000	5150 to 5250	Pass
						120	5179.960	5150 to 5250	Pass
				0		120	5179.960	5150 to 5250	Pass
					10	120	5179.940	5150 to 5250	Pass
						30	120	5179.920	5150 to 5250
		40		120			5179.900	5150 to 5250	Pass
				50	120		5179.940	5150 to 5250	Pass
					5240	20	102	5199.940	5150 to 5250
		120	5199.920				5150 to 5250	Pass	
		138	5199.900	5150 to 5250			Pass		
		5240	-30	120		5199.900	5150 to 5250	Pass	
				-20		120	5200.000	5150 to 5250	Pass
						120	5199.920	5150 to 5250	Pass
			0			120	5200.040	5150 to 5250	Pass
				10		120	5199.920	5150 to 5250	Pass
						30	120	5200.020	5150 to 5250
			40		120		5199.900	5150 to 5250	Pass
				50	120		5199.940	5150 to 5250	Pass
					5745	20	102	5239.980	5150 to 5250
		120	5239.960				5150 to 5250	Pass	
		138	5239.900	5150 to 5250			Pass		
		5745	-30	120		5239.960	5150 to 5250	Pass	
				-20		120	5239.920	5150 to 5250	Pass
						120	5239.960	5150 to 5250	Pass
			0			120	5239.980	5150 to 5250	Pass
				10		120	5239.900	5150 to 5250	Pass
						30	120	5239.920	5150 to 5250
			40		120		5239.960	5150 to 5250	Pass
				50	120		5239.920	5150 to 5250	Pass
					5745	20	102	5745.000	5725 to 5850
		120	5744.960				5725 to 5850	Pass	
		138	5744.960	5725 to 5850			Pass		
5745	-30	120	5744.940	5725 to 5850		Pass			
		-20	120	5744.940		5725 to 5850	Pass		
			120	5744.980		5725 to 5850	Pass		



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			0	120	5744.980	5725 to 5850	Pass			
			10	120	5744.880	5725 to 5850	Pass			
			30	120	5744.960	5725 to 5850	Pass			
			40	120	5744.960	5725 to 5850	Pass			
			50	120	5744.920	5725 to 5850	Pass			
			5785	20	102	5784.960	5725 to 5850	Pass		
					120	5784.960	5725 to 5850	Pass		
					138	5784.940	5725 to 5850	Pass		
				-30	120	5784.960	5725 to 5850	Pass		
				-20	120	5784.980	5725 to 5850	Pass		
				-10	120	5784.940	5725 to 5850	Pass		
				0	120	5784.920	5725 to 5850	Pass		
				10	120	5785.000	5725 to 5850	Pass		
				30	120	5784.920	5725 to 5850	Pass		
				40	120	5785.000	5725 to 5850	Pass		
				50	120	5784.960	5725 to 5850	Pass		
				5825	20	102	5824.900	5725 to 5850	Pass	
			120			5824.980	5725 to 5850	Pass		
			138			5824.840	5725 to 5850	Pass		
			-30		120	5824.900	5725 to 5850	Pass		
			-20		120	5825.000	5725 to 5850	Pass		
			-10		120	5824.880	5725 to 5850	Pass		
			0		120	5824.980	5725 to 5850	Pass		
			10		120	5824.900	5725 to 5850	Pass		
			30		120	5824.960	5725 to 5850	Pass		
			40		120	5824.960	5725 to 5850	Pass		
			50		120	5825.020	5725 to 5850	Pass		
			802.11n (HT20)		MIMO	5180	20	102	5179.980	5150 to 5250
				120				5179.940	5150 to 5250	Pass
				138				5179.960	5150 to 5250	Pass
				-30			120	5179.940	5150 to 5250	Pass
				-20			120	5179.960	5150 to 5250	Pass
-10	120	5179.940		5150 to 5250			Pass			
0	120	5179.920		5150 to 5250			Pass			
10	120	5179.960		5150 to 5250			Pass			
30	120	5180.000		5150 to 5250			Pass			
40	120	5179.980		5150 to 5250			Pass			
50	120	5179.940		5150 to 5250			Pass			
5200	20	102		5199.940			5150 to 5250	Pass		
		120		5199.960		5150 to 5250	Pass			
		138		5199.980		5150 to 5250	Pass			
	-30	120		5199.940		5150 to 5250	Pass			
	-20	120		5199.960		5150 to 5250	Pass			
	-10	120		5199.980		5150 to 5250	Pass			
	0	120		5199.940		5150 to 5250	Pass			
	10	120		5199.960		5150 to 5250	Pass			
5240	20	102		5239.960		5150 to 5250	Pass			
		120	5239.960	5150 to 5250	Pass					
		138	5239.960	5150 to 5250	Pass					



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			-30	120	5239.960	5150 to 5250	Pass				
			-20	120	5240.000	5150 to 5250	Pass				
			-10	120	5239.920	5150 to 5250	Pass				
			0	120	5239.980	5150 to 5250	Pass				
			10	120	5239.900	5150 to 5250	Pass				
			30	120	5240.000	5150 to 5250	Pass				
			40	120	5239.920	5150 to 5250	Pass				
			50	120	5240.020	5150 to 5250	Pass				
			5745	20	102	5744.960	5725 to 5850	Pass			
					120	5744.900	5725 to 5850	Pass			
					138	5744.920	5725 to 5850	Pass			
				-30	120	5744.900	5725 to 5850	Pass			
				-20	120	5744.920	5725 to 5850	Pass			
				-10	120	5744.880	5725 to 5850	Pass			
				0	120	5744.980	5725 to 5850	Pass			
				10	120	5744.920	5725 to 5850	Pass			
				30	120	5744.920	5725 to 5850	Pass			
				40	120	5744.880	5725 to 5850	Pass			
				50	120	5744.960	5725 to 5850	Pass			
				5785	20	102	5784.940	5725 to 5850	Pass		
						120	5784.920	5725 to 5850	Pass		
						138	5784.960	5725 to 5850	Pass		
					-30	120	5784.940	5725 to 5850	Pass		
			-20		120	5784.980	5725 to 5850	Pass			
			-10		120	5784.940	5725 to 5850	Pass			
			0		120	5784.960	5725 to 5850	Pass			
			10		120	5784.980	5725 to 5850	Pass			
			30		120	5784.940	5725 to 5850	Pass			
			40		120	5784.940	5725 to 5850	Pass			
			50		120	5784.940	5725 to 5850	Pass			
			5825		20	102	5824.920	5725 to 5850	Pass		
						120	5824.960	5725 to 5850	Pass		
						138	5824.980	5725 to 5850	Pass		
					-30	120	5824.980	5725 to 5850	Pass		
				-20	120	5824.920	5725 to 5850	Pass			
				-10	120	5824.960	5725 to 5850	Pass			
				0	120	5824.960	5725 to 5850	Pass			
				10	120	5824.980	5725 to 5850	Pass			
				30	120	5824.940	5725 to 5850	Pass			
				40	120	5824.920	5725 to 5850	Pass			
				50	120	5824.960	5725 to 5850	Pass			
				802.11n (HT40)	MIMO	5190	20	102	5189.960	5150 to 5250	Pass
								120	5190.000	5150 to 5250	Pass
								138	5189.960	5150 to 5250	Pass
							-30	120	5189.960	5150 to 5250	Pass
-20	120	5189.960	5150 to 5250				Pass				
-10	120	5189.960	5150 to 5250				Pass				
0	120	5190.000	5150 to 5250				Pass				
10	120	5189.960	5150 to 5250				Pass				
30	120	5189.920	5150 to 5250				Pass				
40	120	5189.960	5150 to 5250				Pass				
50	120	5190.040	5150 to 5250	Pass							



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		5230	20	102	5229.960	5150 to 5250	Pass		
				120	5229.960	5150 to 5250	Pass		
				138	5229.920	5150 to 5250	Pass		
			-30	120	5229.960	5150 to 5250	Pass		
				-20	120	5229.920	5150 to 5250	Pass	
					120	5229.960	5150 to 5250	Pass	
			0	120	5230.000	5150 to 5250	Pass		
				10	120	5230.000	5150 to 5250	Pass	
				30	120	5229.960	5150 to 5250	Pass	
				40	120	5229.960	5150 to 5250	Pass	
				50	120	5230.000	5150 to 5250	Pass	
				5755	20	102	5754.920	5725 to 5850	Pass
		120				5754.920	5725 to 5850	Pass	
		138	5754.960			5725 to 5850	Pass		
		-30	120		5754.920	5725 to 5850	Pass		
			-20		120	5754.960	5725 to 5850	Pass	
					120	5754.920	5725 to 5850	Pass	
		0	120		5754.960	5725 to 5850	Pass		
			10		120	5754.960	5725 to 5850	Pass	
			30		120	5754.880	5725 to 5850	Pass	
			40		120	5754.960	5725 to 5850	Pass	
			50		120	5754.880	5725 to 5850	Pass	
			5795		20	102	5794.880	5725 to 5850	Pass
				120		5794.880	5725 to 5850	Pass	
		138		5794.920		5725 to 5850	Pass		
		-30		120	5794.960	5725 to 5850	Pass		
				-20	120	5794.920	5725 to 5850	Pass	
					120	5794.960	5725 to 5850	Pass	
		0		120	5794.880	5725 to 5850	Pass		
				10	120	5794.960	5725 to 5850	Pass	
				30	120	5794.920	5725 to 5850	Pass	
				40	120	5794.880	5725 to 5850	Pass	
				50	120	5795.000	5725 to 5850	Pass	
				802.11ac (VHT20)	5180	20	102	5180.000	5150 to 5250
			120				5179.980	5150 to 5250	Pass
		138	5179.980				5150 to 5250	Pass	
-30	120	5180.000	5150 to 5250			Pass			
	-20	120	5179.960			5150 to 5250	Pass		
		120	5179.960			5150 to 5250	Pass		
0	120	5180.000	5150 to 5250			Pass			
	10	120	5179.980			5150 to 5250	Pass		
	30	120	5179.980			5150 to 5250	Pass		
	40	120	5179.980			5150 to 5250	Pass		
	50	120	5179.940			5150 to 5250	Pass		
	5200	20	102			5199.960	5150 to 5250	Pass	
			120		5199.960	5150 to 5250	Pass		
138			5199.960		5150 to 5250	Pass			
-30		120	5199.960		5150 to 5250	Pass			
		-20	120		5199.980	5150 to 5250	Pass		
			120		5199.980	5150 to 5250	Pass		
0		120	5200.000		5150 to 5250	Pass			
		10	120		5200.000	5150 to 5250	Pass		



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		5240	30	120	5200.040	5150 to 5250	Pass	
			40	120	5199.980	5150 to 5250	Pass	
			50	120	5200.000	5150 to 5250	Pass	
			20	102	5239.980	5150 to 5250	Pass	
				120	5239.980	5150 to 5250	Pass	
				138	5239.940	5150 to 5250	Pass	
			-30	120	5239.980	5150 to 5250	Pass	
			-20	120	5239.980	5150 to 5250	Pass	
			-10	120	5240.040	5150 to 5250	Pass	
			0	120	5239.940	5150 to 5250	Pass	
			10	120	5239.980	5150 to 5250	Pass	
			30	120	5239.980	5150 to 5250	Pass	
			40	120	5239.980	5150 to 5250	Pass	
			50	120	5240.020	5150 to 5250	Pass	
			5745	20	102	5744.960	5725 to 5850	Pass
		120			5744.960	5725 to 5850	Pass	
		138			5744.980	5725 to 5850	Pass	
		-30		120	5744.940	5725 to 5850	Pass	
		-20		120	5744.860	5725 to 5850	Pass	
		-10		120	5744.920	5725 to 5850	Pass	
		0		120	5744.960	5725 to 5850	Pass	
		10		120	5744.960	5725 to 5850	Pass	
		30		120	5744.980	5725 to 5850	Pass	
		40		120	5744.920	5725 to 5850	Pass	
		50		120	5745.000	5725 to 5850	Pass	
		5785		20	102	5784.980	5725 to 5850	Pass
					120	5784.900	5725 to 5850	Pass
					138	5784.960	5725 to 5850	Pass
				-30	120	5785.000	5725 to 5850	Pass
			-20	120	5784.980	5725 to 5850	Pass	
			-10	120	5784.980	5725 to 5850	Pass	
			0	120	5784.920	5725 to 5850	Pass	
			10	120	5785.060	5725 to 5850	Pass	
			30	120	5784.900	5725 to 5850	Pass	
			40	120	5784.980	5725 to 5850	Pass	
			50	120	5784.960	5725 to 5850	Pass	
			5825	20	102	5824.900	5725 to 5850	Pass
					120	5824.960	5725 to 5850	Pass
					138	5824.960	5725 to 5850	Pass
				-30	120	5824.940	5725 to 5850	Pass
		-20		120	5824.940	5725 to 5850	Pass	
		-10		120	5824.960	5725 to 5850	Pass	
		0		120	5824.940	5725 to 5850	Pass	
		10		120	5824.980	5725 to 5850	Pass	
		30		120	5825.000	5725 to 5850	Pass	
40	120	5824.940		5725 to 5850	Pass			
50	120	5825.000		5725 to 5850	Pass			
802.11ac (VHT40)	MIMO	5190		20	102	5189.960	5150 to 5250	Pass
					120	5189.960	5150 to 5250	Pass
					138	5189.960	5150 to 5250	Pass
				-30	120	5189.960	5150 to 5250	Pass
			-20	120	5189.960	5150 to 5250	Pass	



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		5230	-10	120	5189.960	5150 to 5250	Pass			
			0	120	5189.960	5150 to 5250	Pass			
			10	120	5189.960	5150 to 5250	Pass			
			30	120	5189.960	5150 to 5250	Pass			
			40	120	5189.880	5150 to 5250	Pass			
			50	120	5189.920	5150 to 5250	Pass			
			20	102	5229.880	5150 to 5250	Pass			
				120	5229.960	5150 to 5250	Pass			
				138	5229.920	5150 to 5250	Pass			
			-30	120	5230.000	5150 to 5250	Pass			
			-20	120	5230.000	5150 to 5250	Pass			
			-10	120	5229.960	5150 to 5250	Pass			
			0	120	5229.960	5150 to 5250	Pass			
			10	120	5229.960	5150 to 5250	Pass			
			30	120	5229.960	5150 to 5250	Pass			
		40	120	5229.960	5150 to 5250	Pass				
		50	120	5230.000	5150 to 5250	Pass				
		5755	20	102	5755.000	5725 to 5850	Pass			
				120	5755.000	5725 to 5850	Pass			
				138	5755.000	5725 to 5850	Pass			
			-30	120	5754.880	5725 to 5850	Pass			
			-20	120	5754.920	5725 to 5850	Pass			
			-10	120	5755.000	5725 to 5850	Pass			
			0	120	5754.920	5725 to 5850	Pass			
			10	120	5755.000	5725 to 5850	Pass			
			30	120	5754.920	5725 to 5850	Pass			
			40	120	5754.960	5725 to 5850	Pass			
			50	120	5754.920	5725 to 5850	Pass			
			5795	20	102	5794.960	5725 to 5850	Pass		
					120	5794.960	5725 to 5850	Pass		
					138	5795.000	5725 to 5850	Pass		
				-30	120	5794.920	5725 to 5850	Pass		
		-20		120	5794.880	5725 to 5850	Pass			
		-10		120	5795.000	5725 to 5850	Pass			
		0		120	5794.960	5725 to 5850	Pass			
		10		120	5794.960	5725 to 5850	Pass			
		30		120	5794.960	5725 to 5850	Pass			
		40		120	5794.880	5725 to 5850	Pass			
		50		120	5795.000	5725 to 5850	Pass			
		802.11ac (VHT80)		MIMO	5210	20	102	5210.000	5150 to 5250	Pass
							120	5210.075	5150 to 5250	Pass
							138	5209.850	5150 to 5250	Pass
						-30	120	5210.075	5150 to 5250	Pass
			-20			120	5210.000	5150 to 5250	Pass	
			-10			120	5209.850	5150 to 5250	Pass	
0	120		5209.925			5150 to 5250	Pass			
10	120		5209.925			5150 to 5250	Pass			
30	120		5210.000			5150 to 5250	Pass			
40	120		5210.000			5150 to 5250	Pass			
50	120		5210.000			5150 to 5250	Pass			
5775	20		102			5775.000	5725 to 5850	Pass		
			120			5774.925	5725 to 5850	Pass		



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			138	5775.000	5725 to 5850	Pass
			-30	5774.925	5725 to 5850	Pass
			-20	5775.000	5725 to 5850	Pass
			-10	5774.925	5725 to 5850	Pass
			0	5775.075	5725 to 5850	Pass
			10	5774.850	5725 to 5850	Pass
			30	5774.925	5725 to 5850	Pass
			40	5775.000	5725 to 5850	Pass
			50	5774.925	5725 to 5850	Pass



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