

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



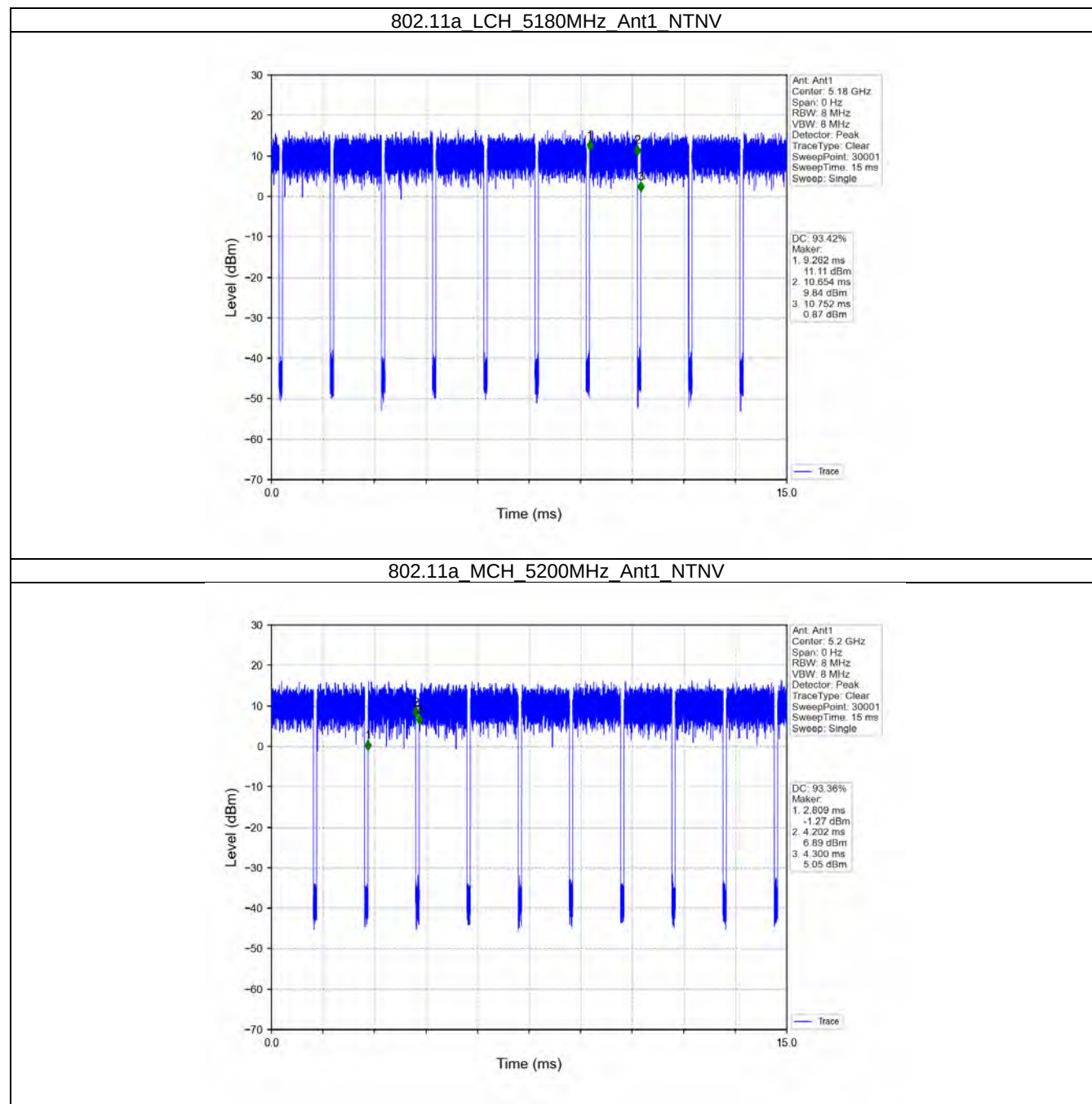
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1.1.2 Test Graph



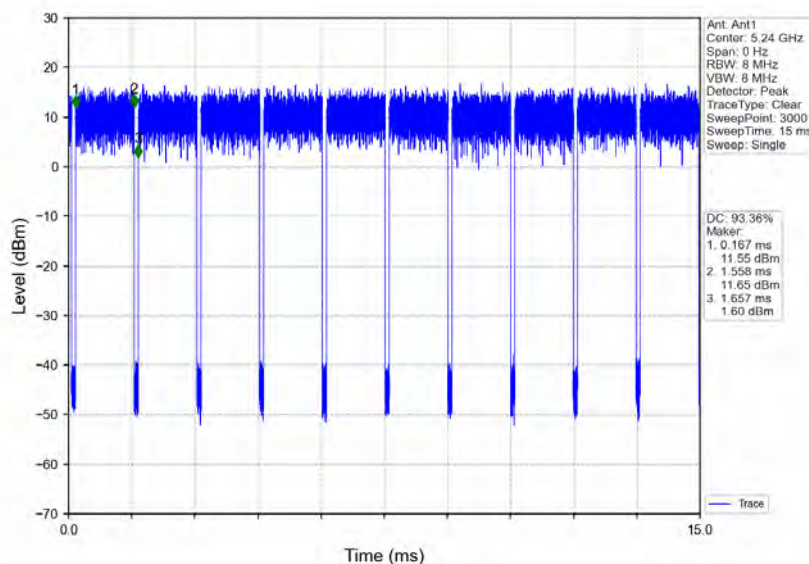
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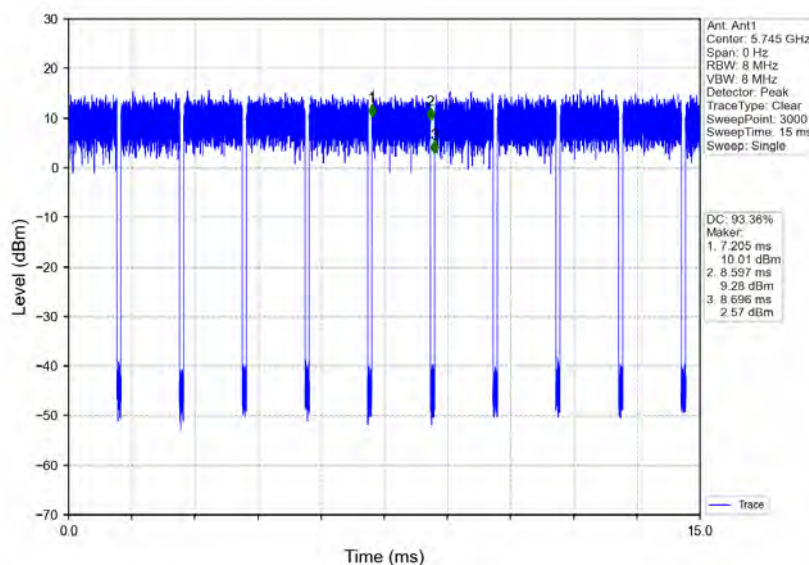
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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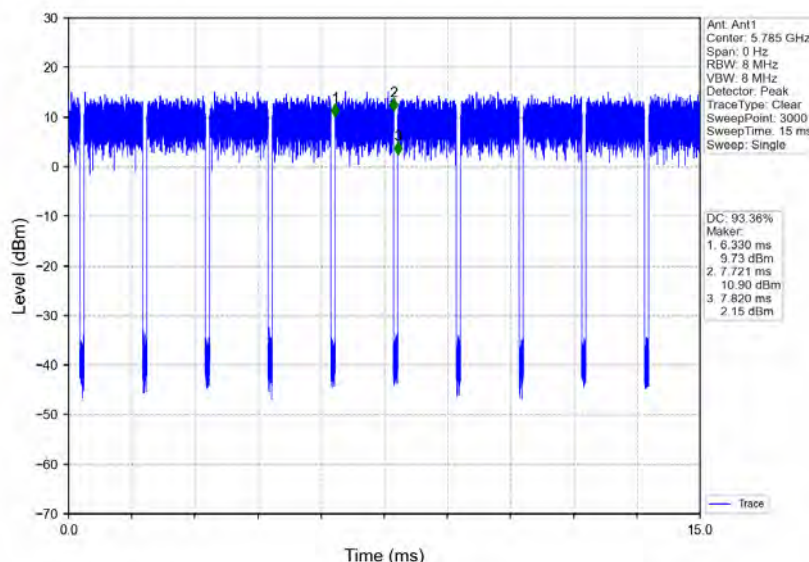
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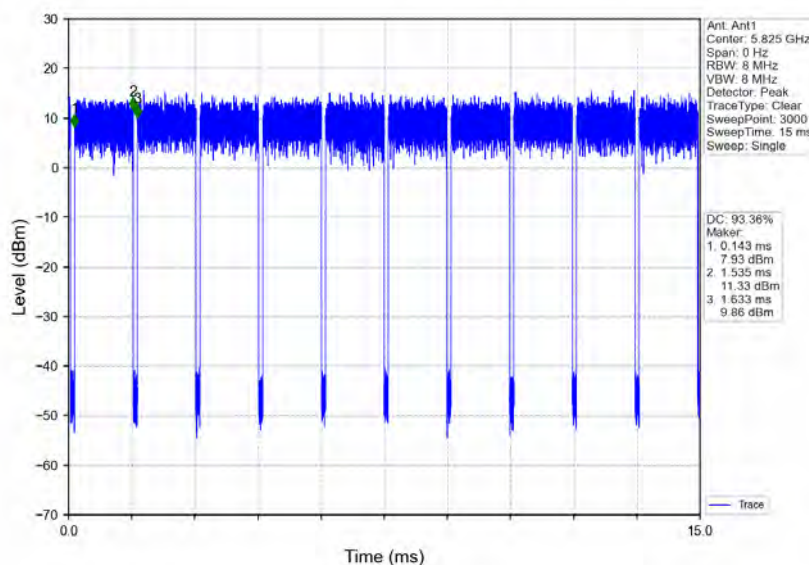
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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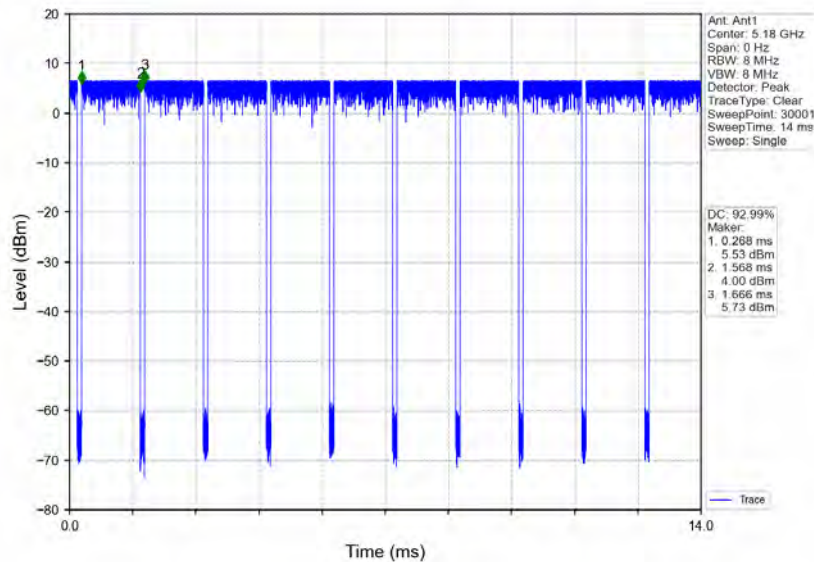
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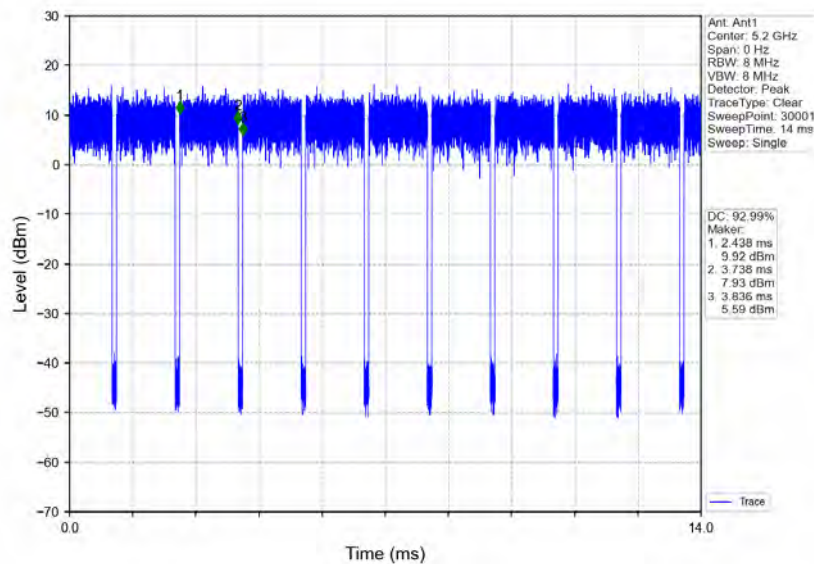
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20)_MCH_5200MHz_Ant1_NTN



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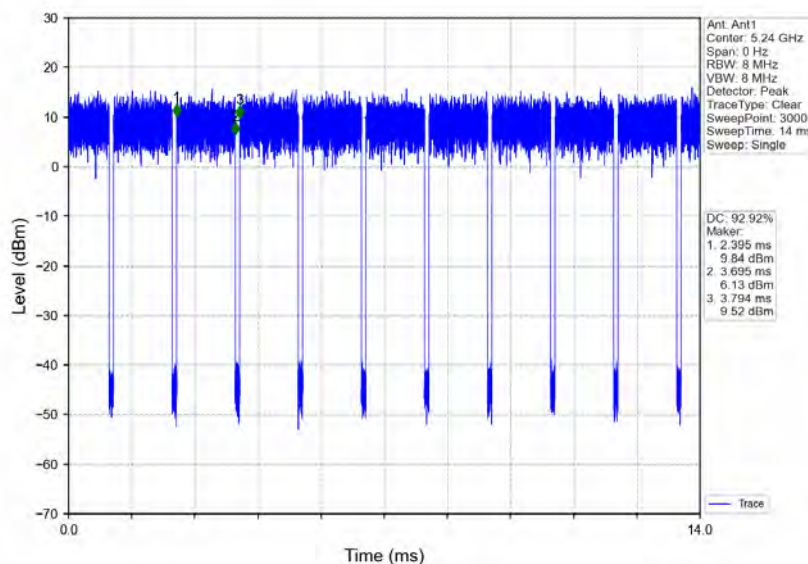
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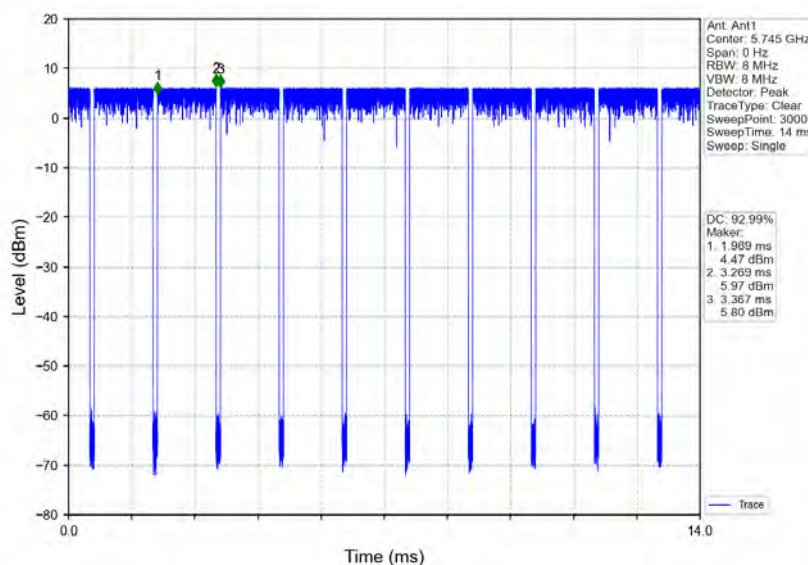
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802.11n(HT20) HCH 5240MHz Ant1 NTV



802.11n(HT20)_LCH_5745MHz_Ant1_NTV



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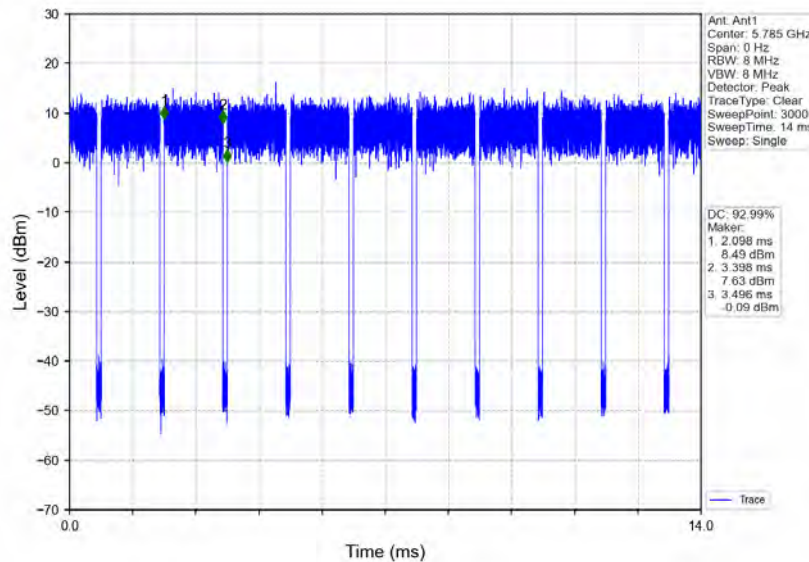
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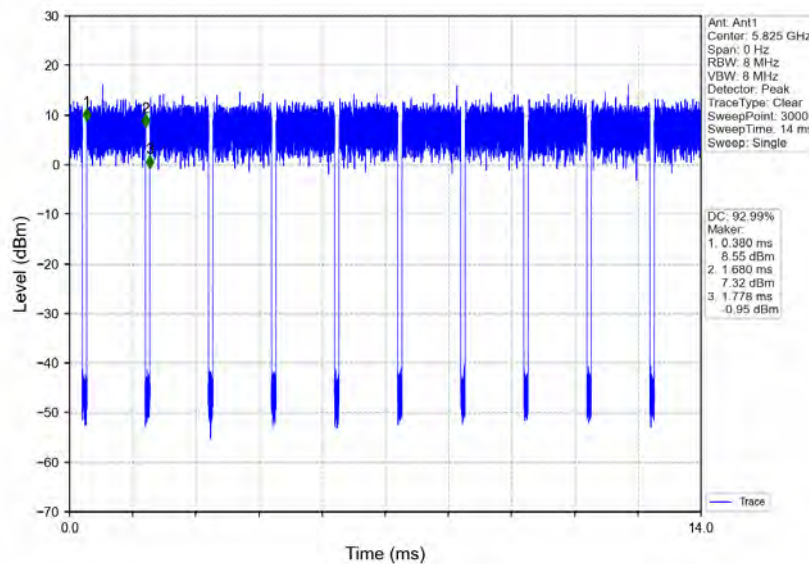
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



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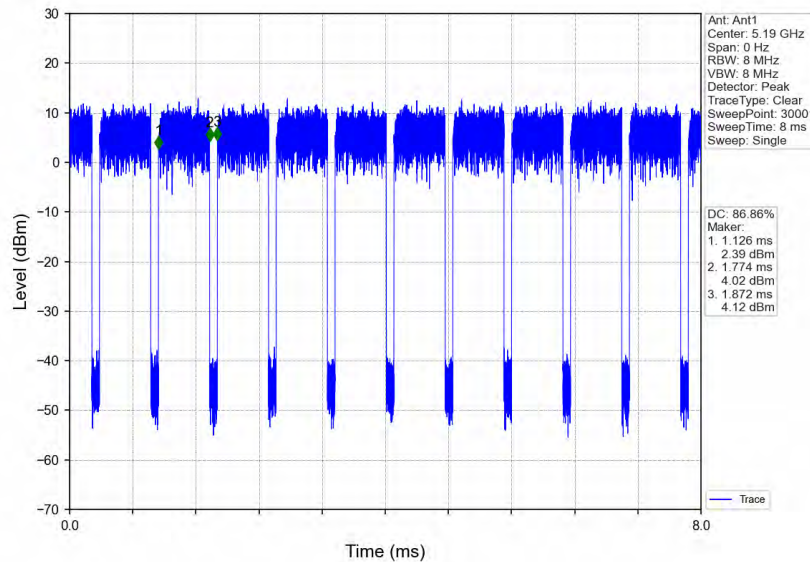
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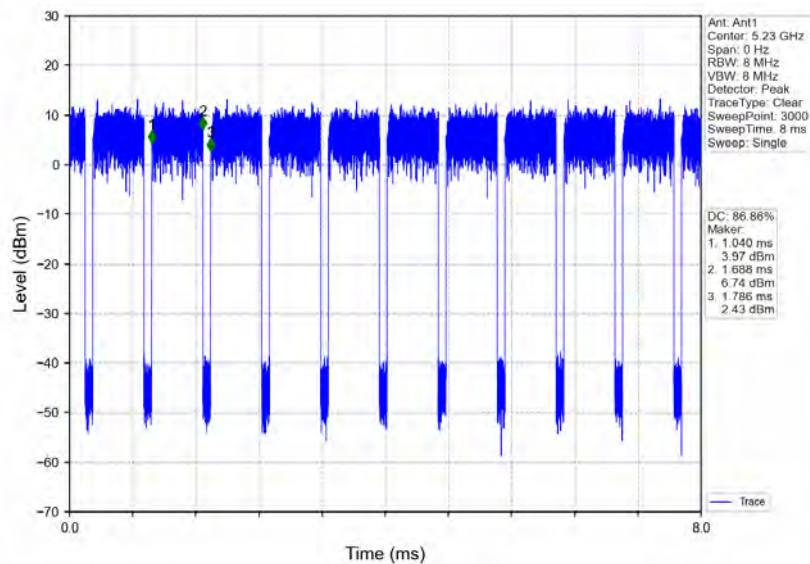
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) HCH 5230MHz Ant1 NTN



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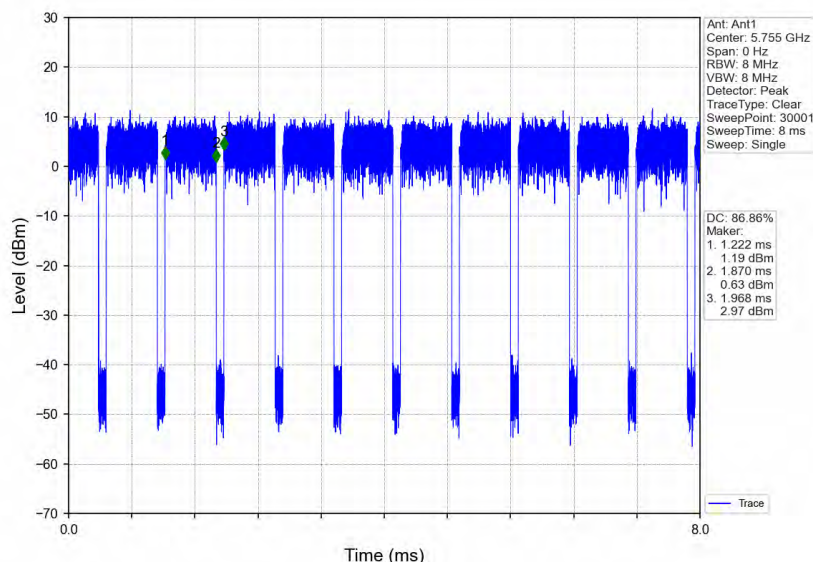
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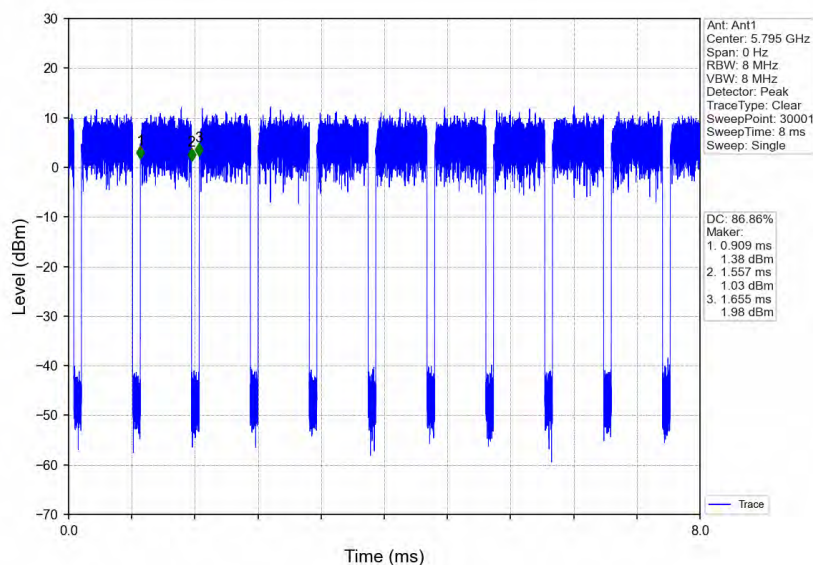
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



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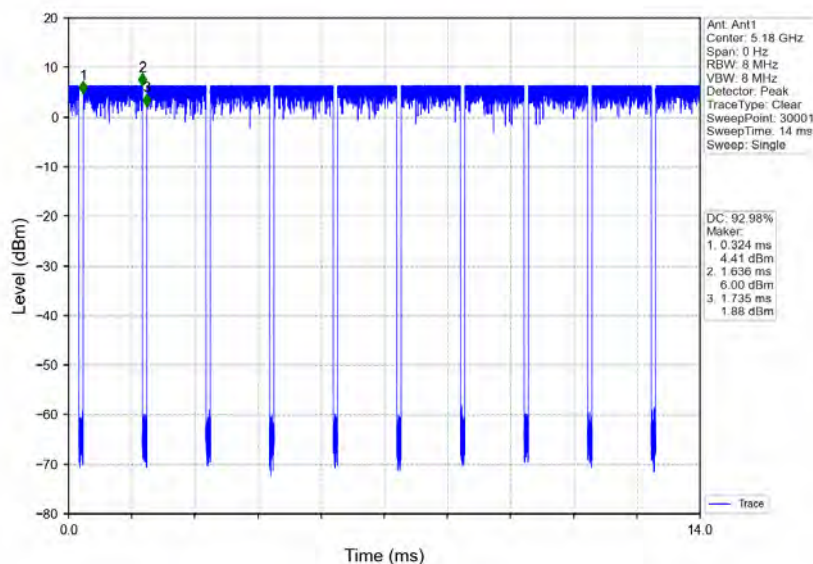
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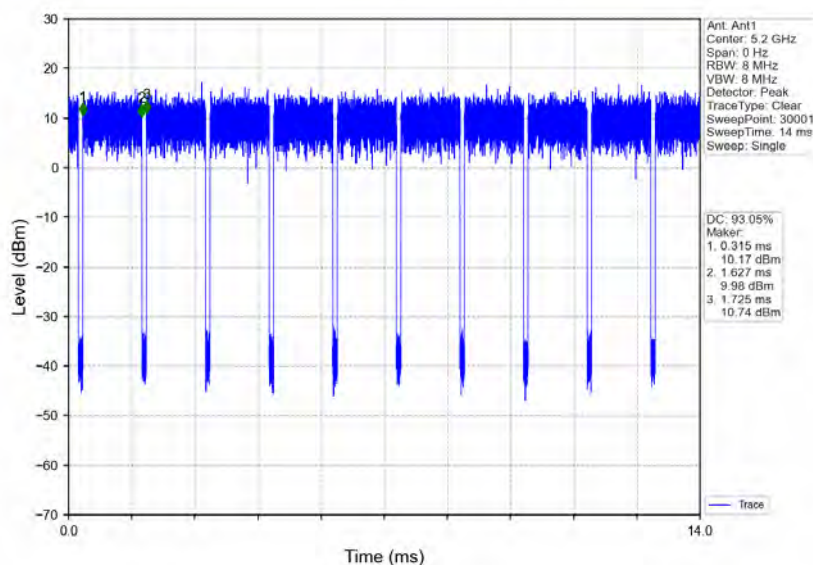
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



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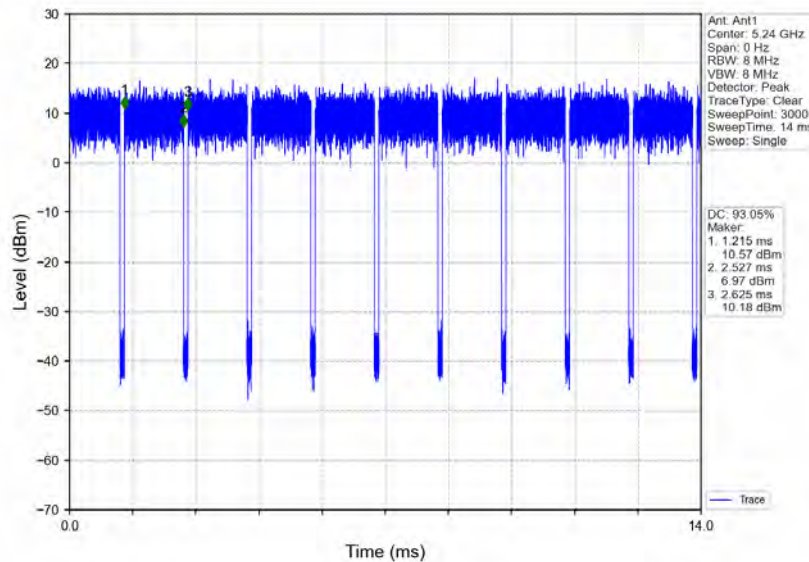
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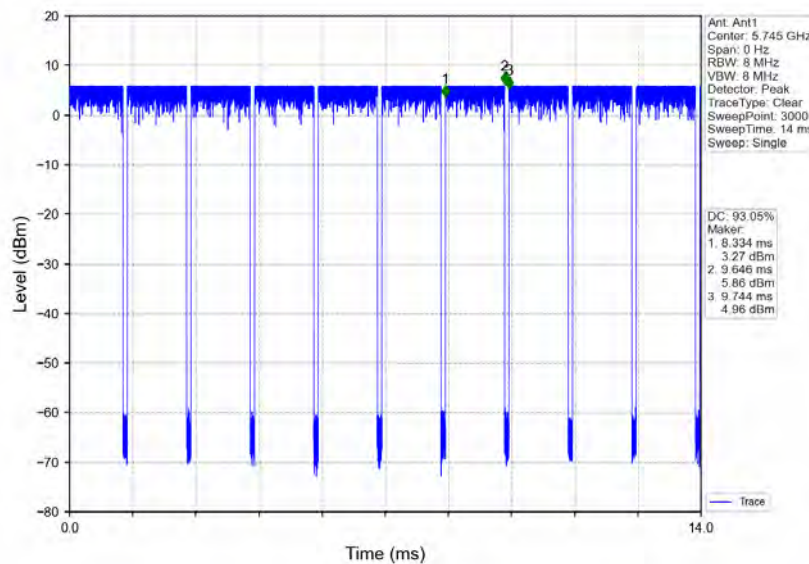
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802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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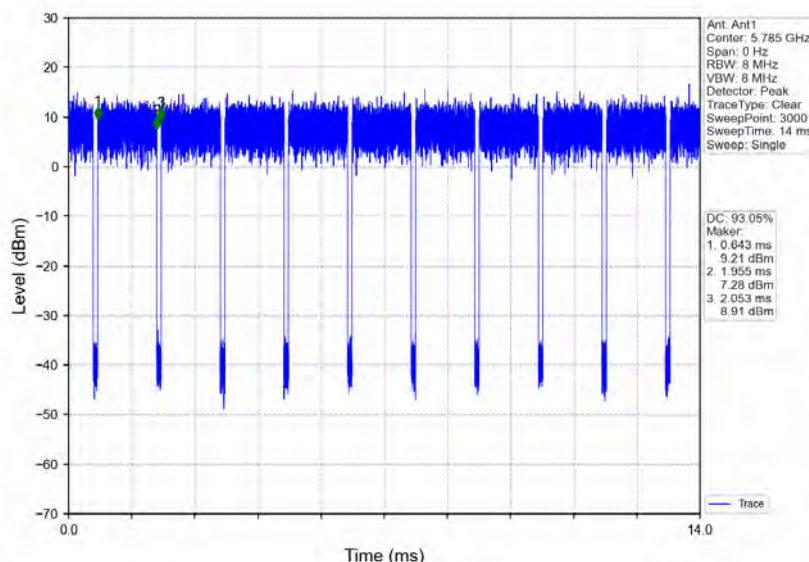
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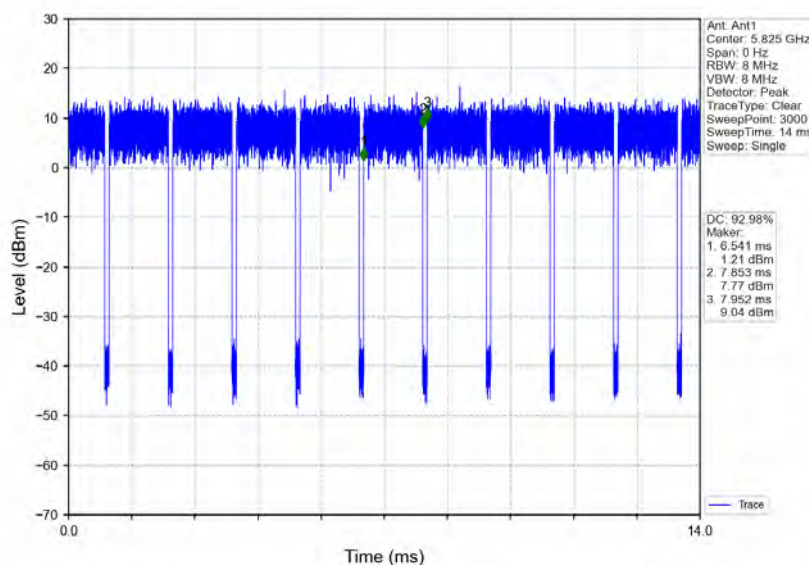
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



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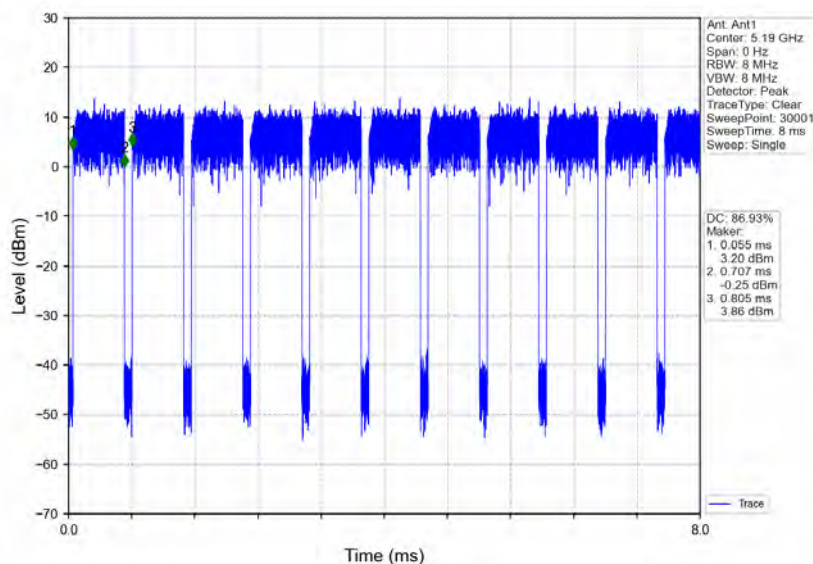
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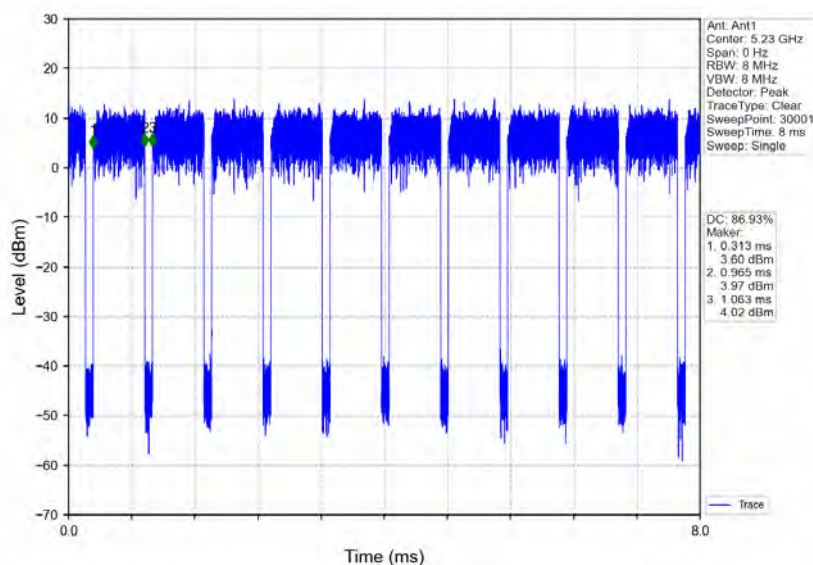
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



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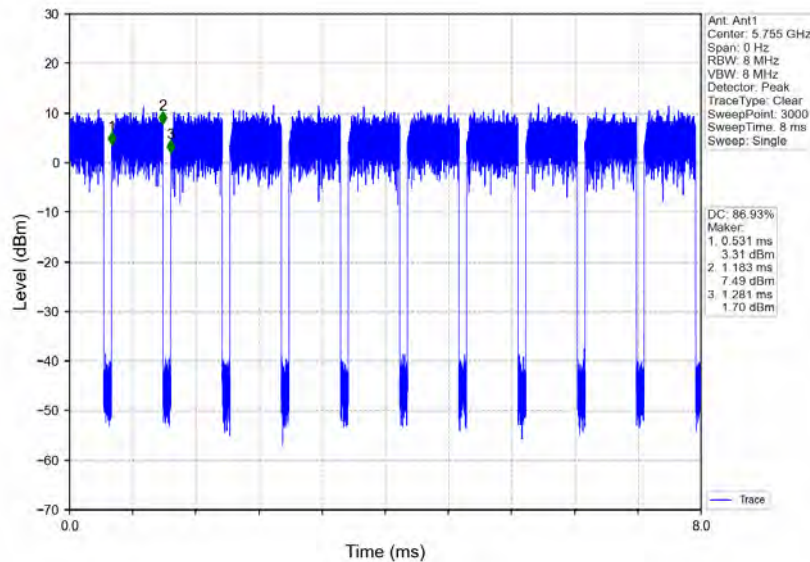
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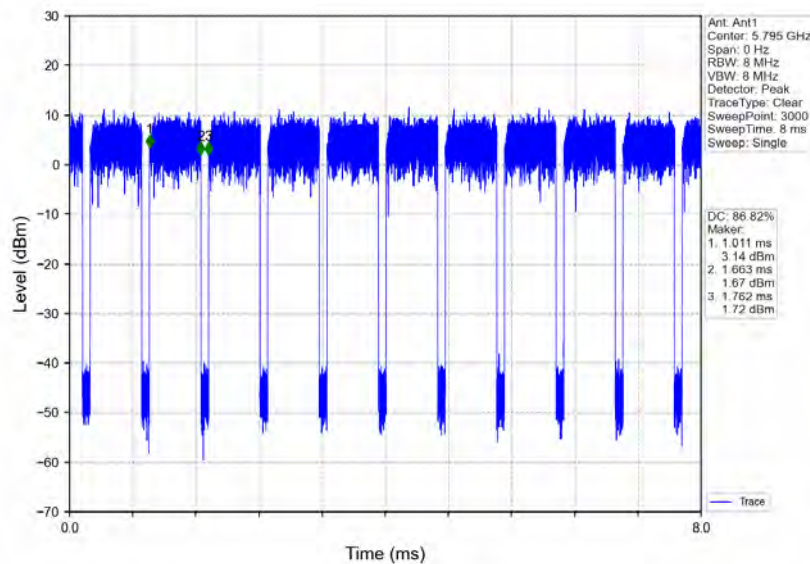
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



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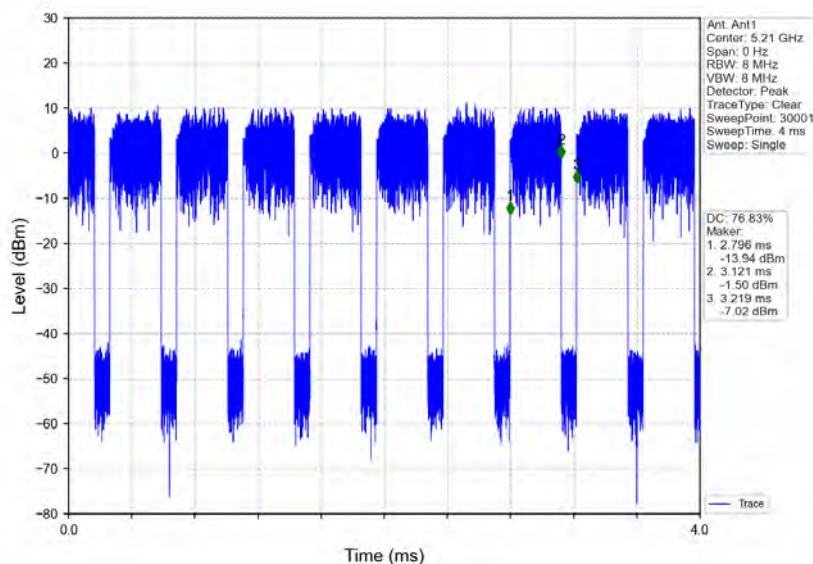
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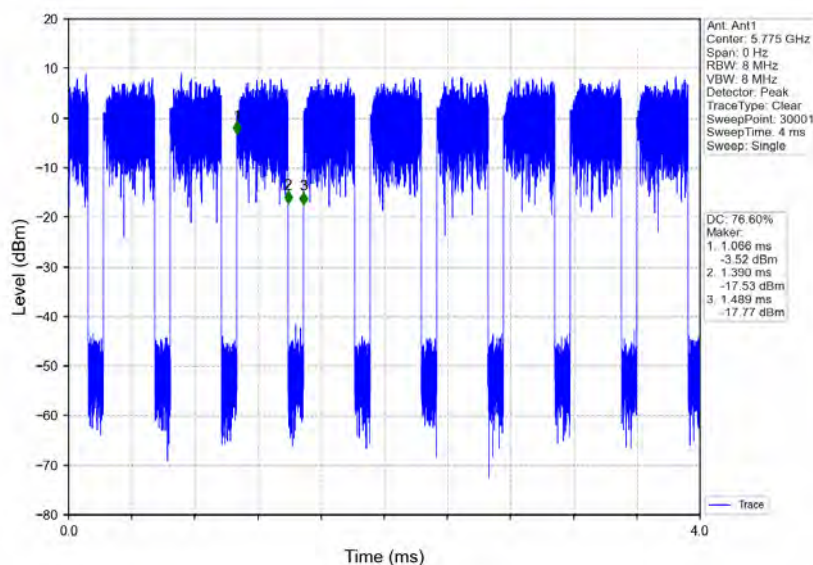
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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	17.275	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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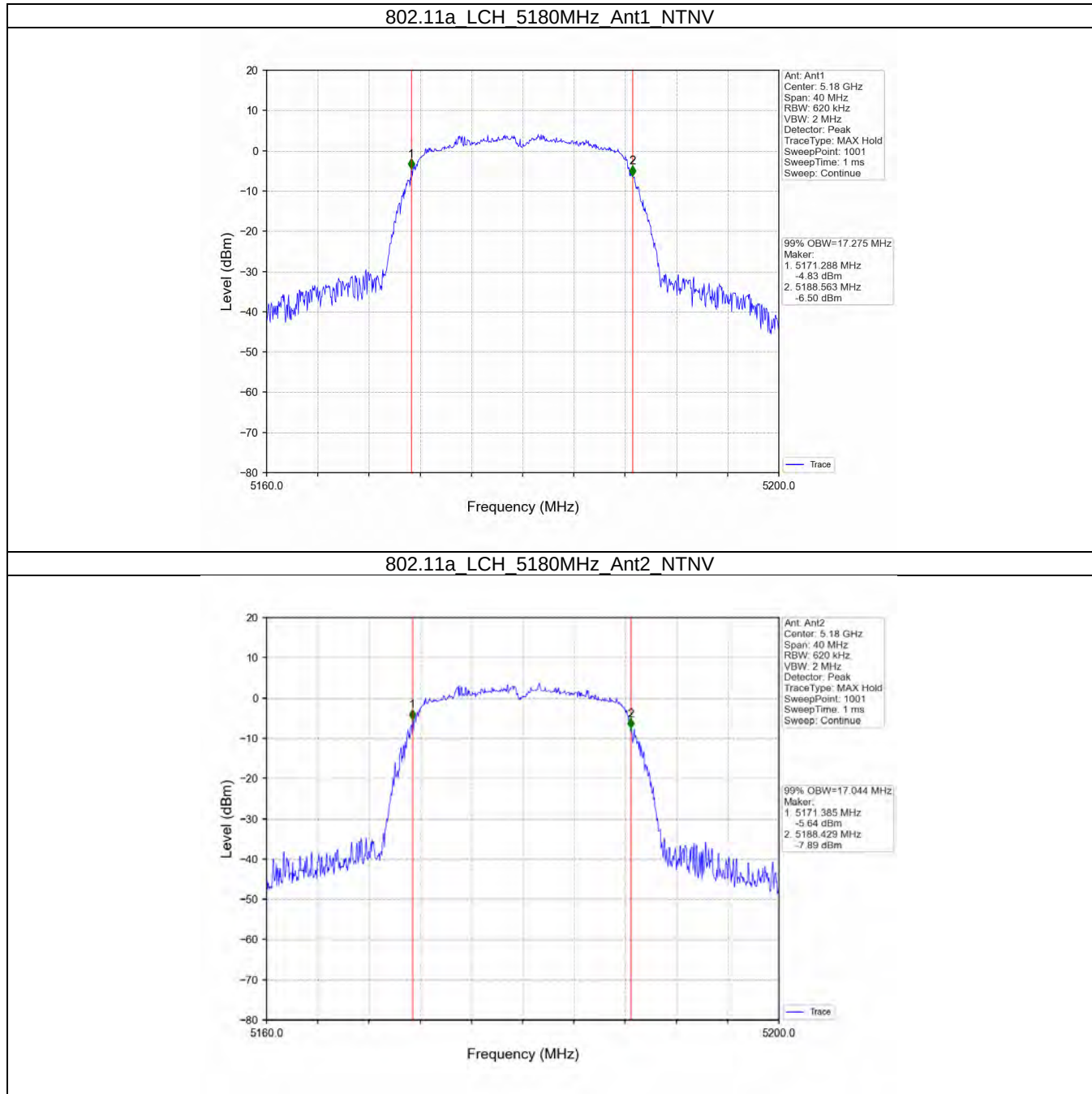
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2.1.2 Test Graph



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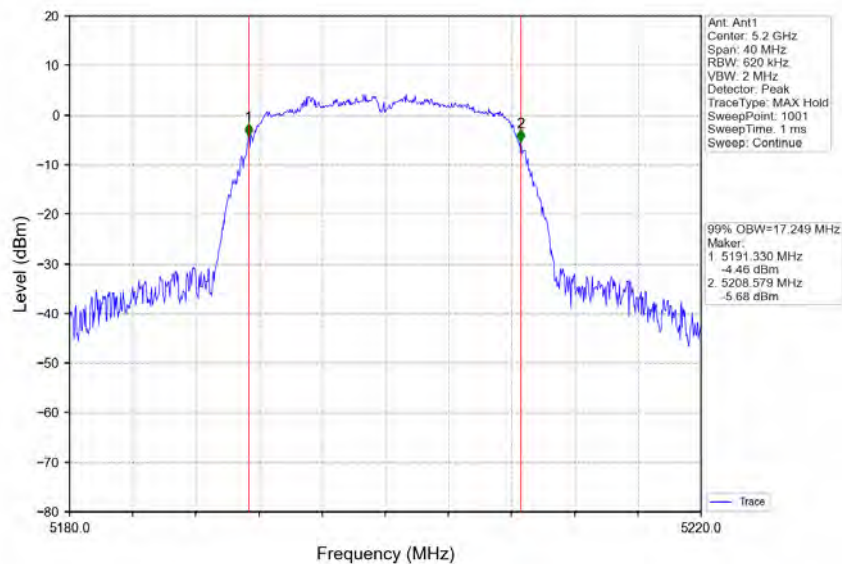
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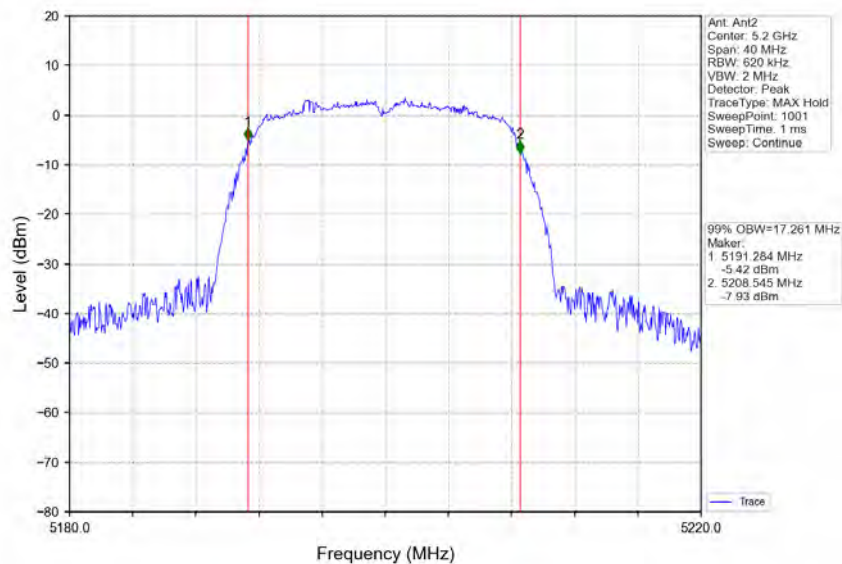
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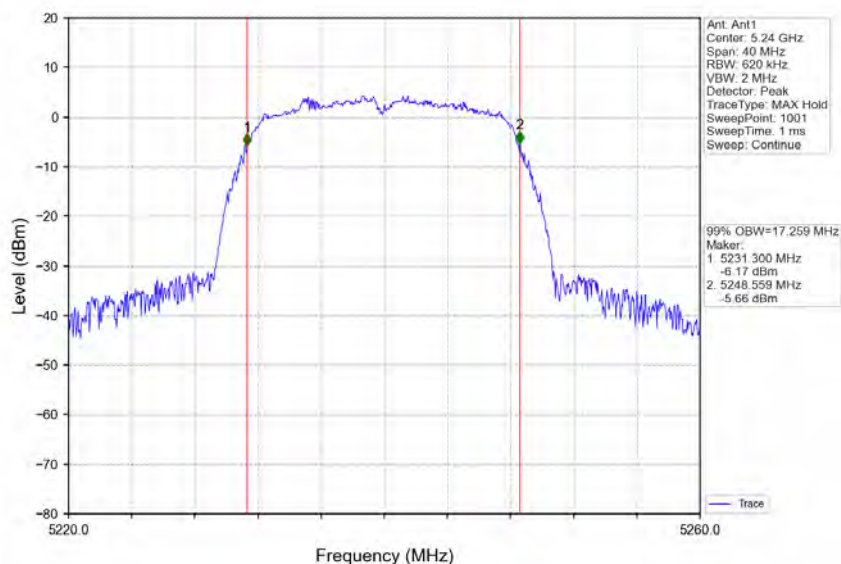
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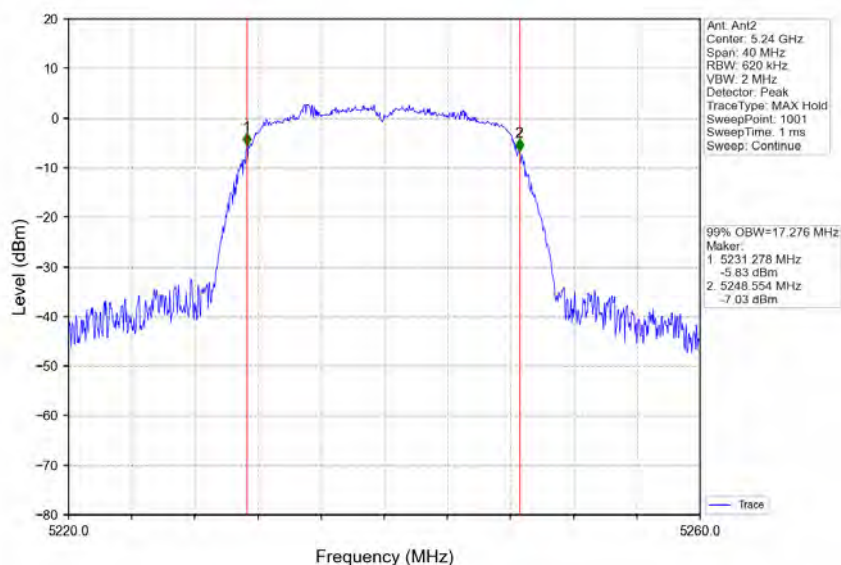
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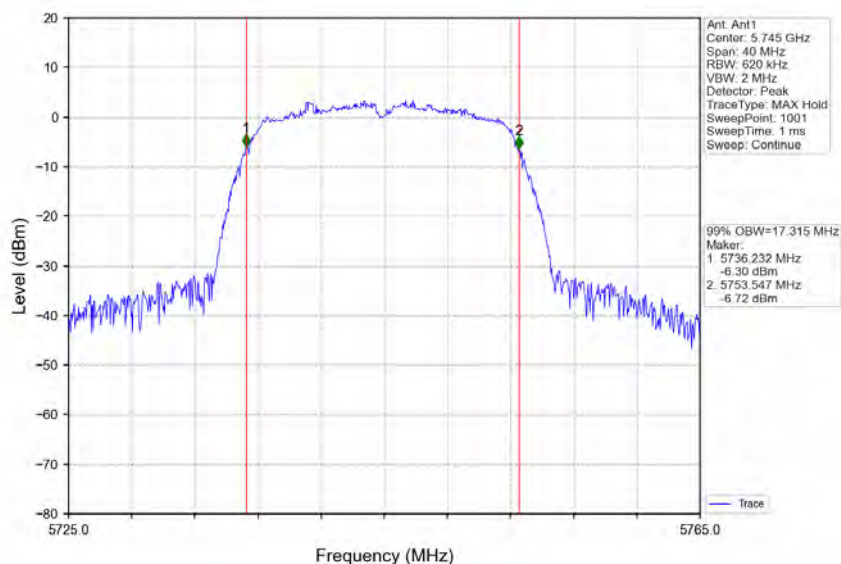
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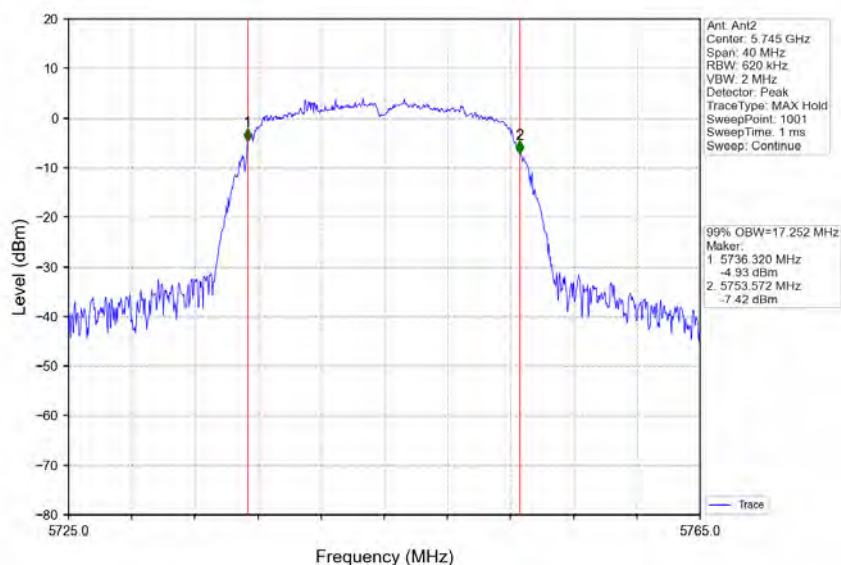
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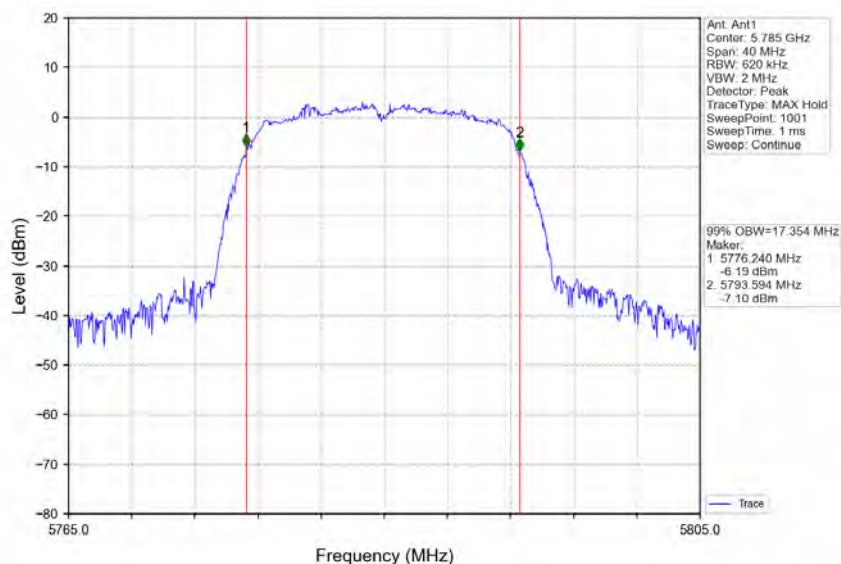
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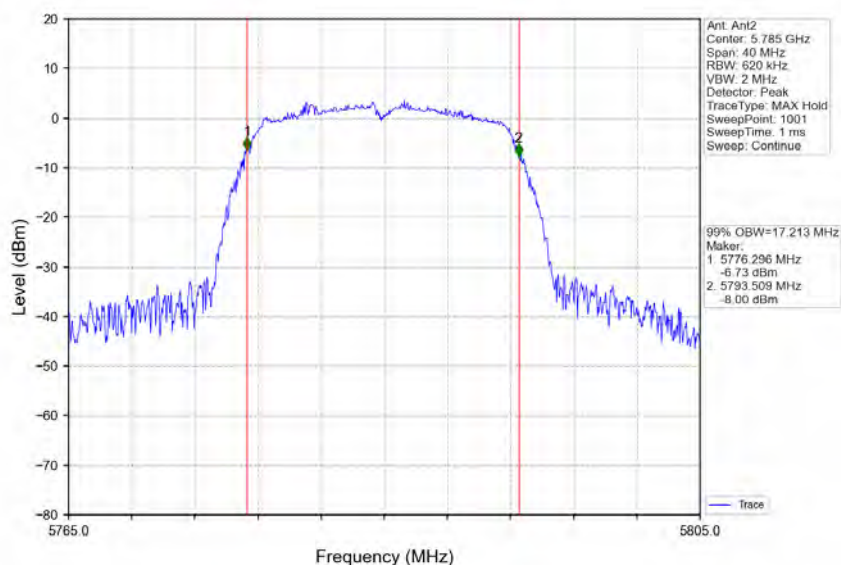
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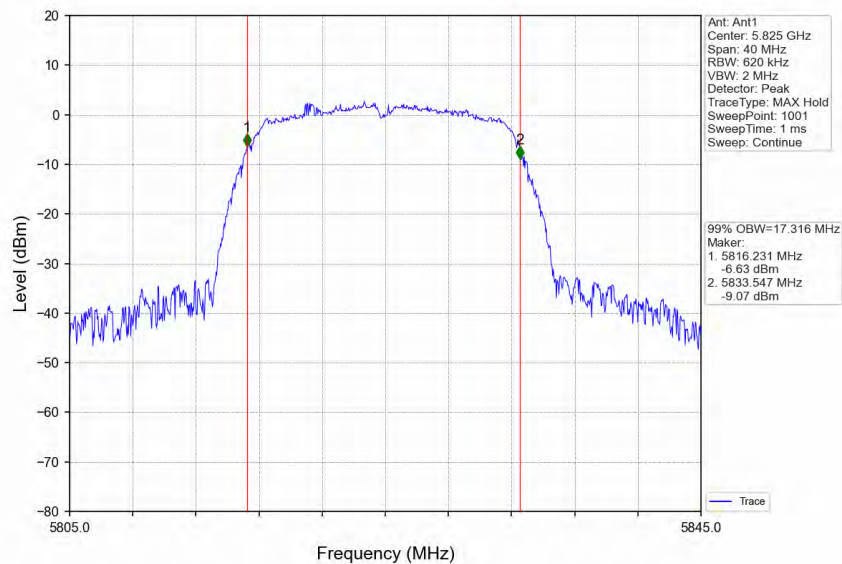
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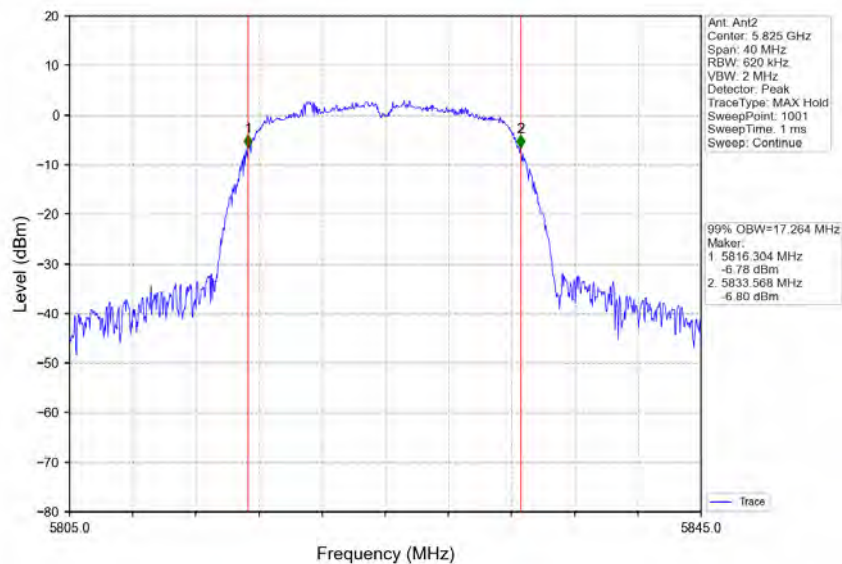
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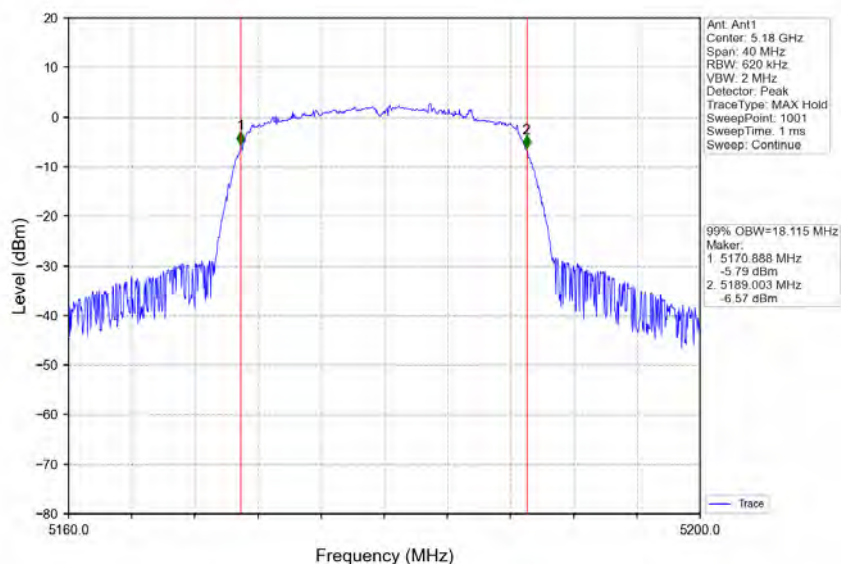
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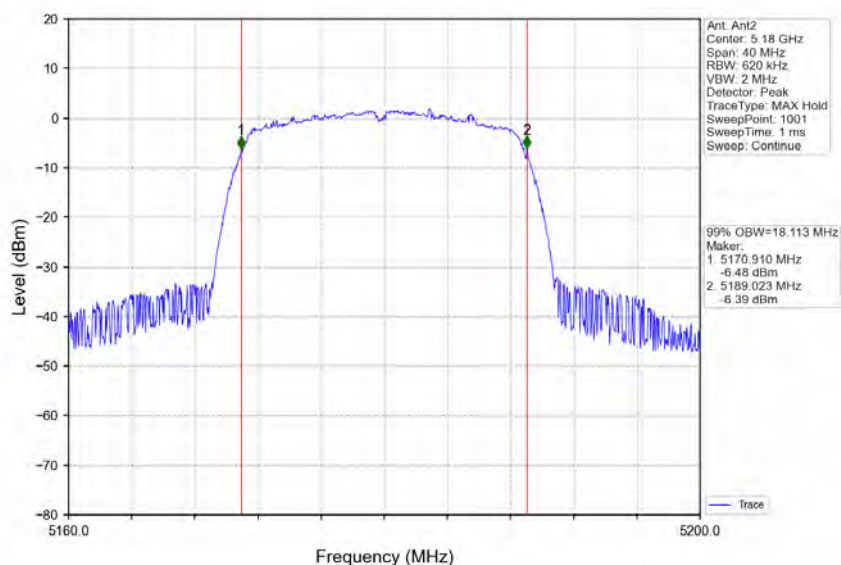
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



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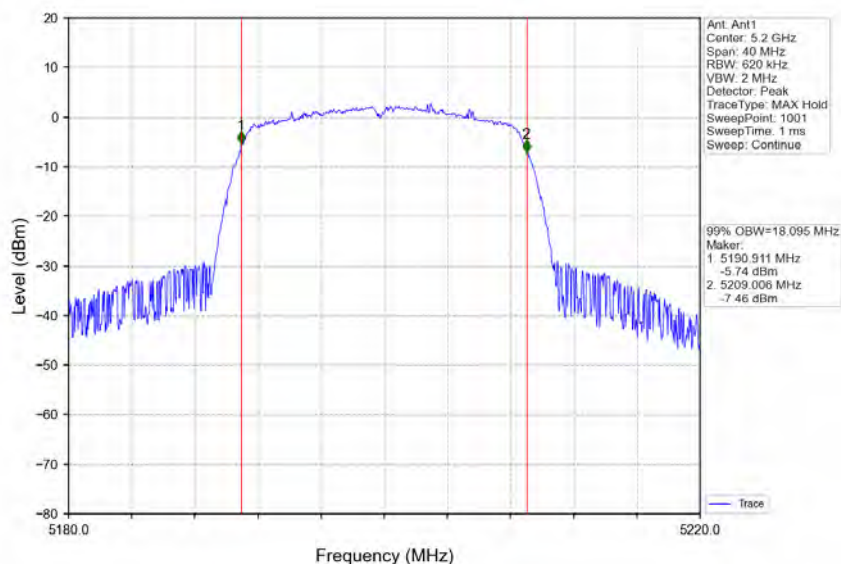
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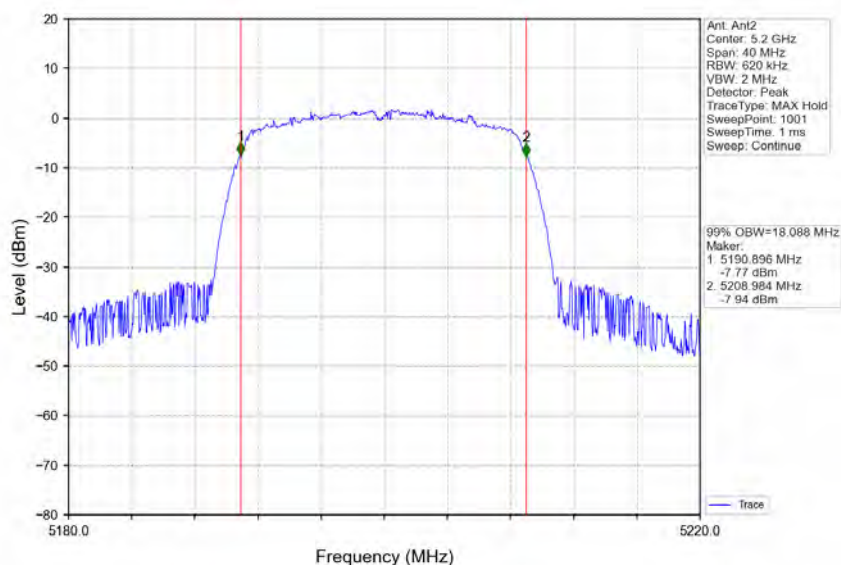
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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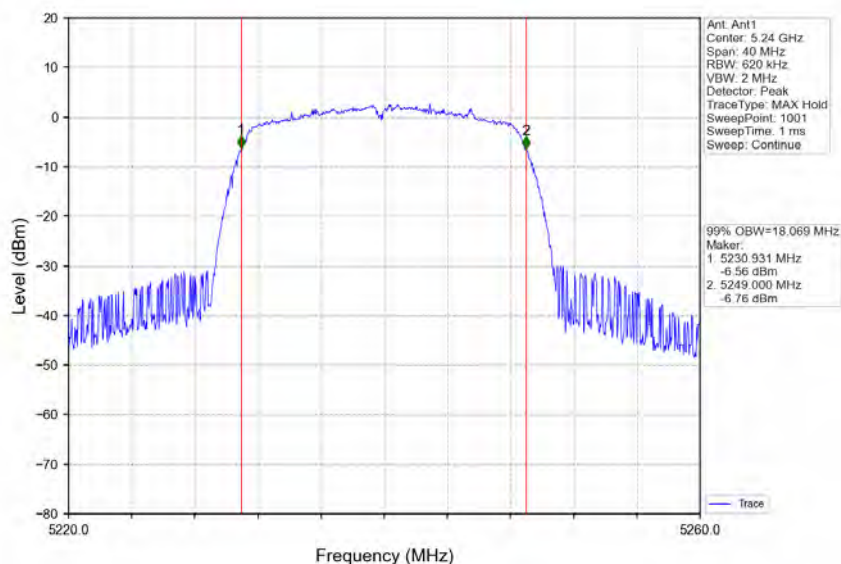
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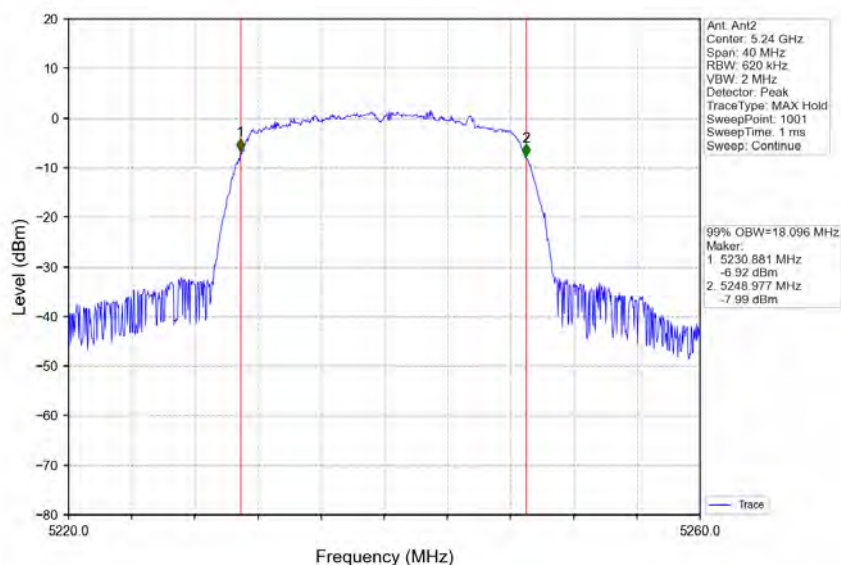
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



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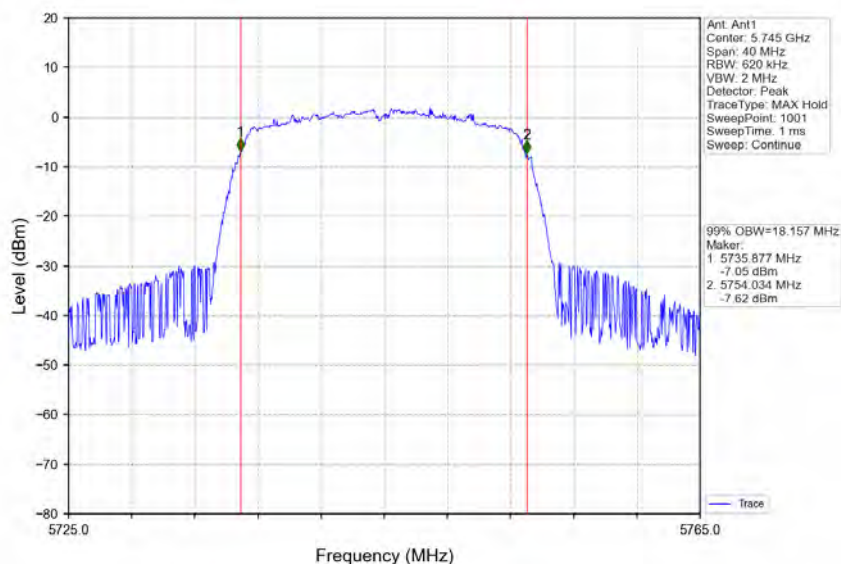
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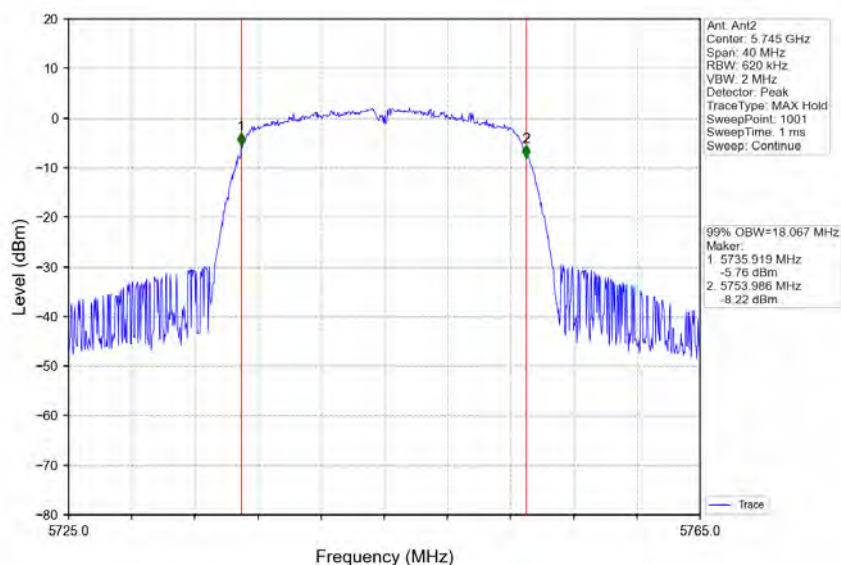
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802.11n(HT20) LCH 5745MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant2 NTN



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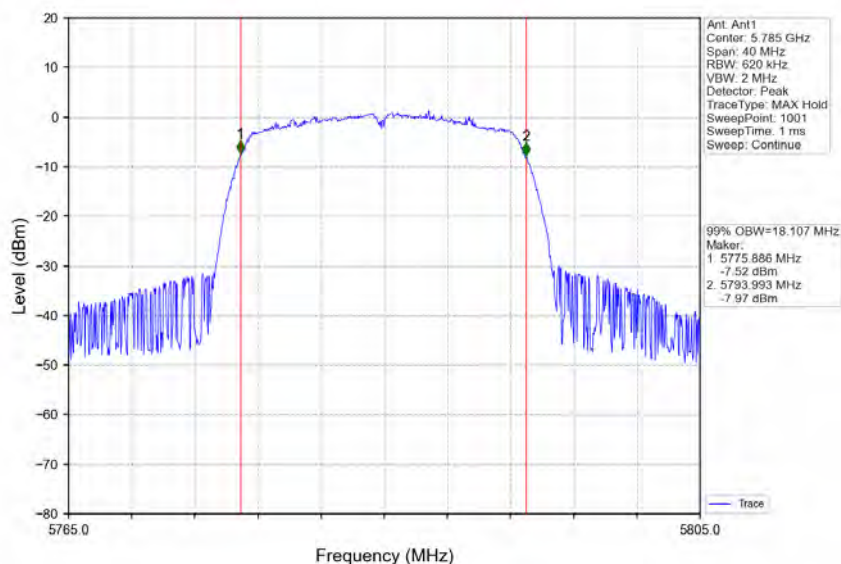
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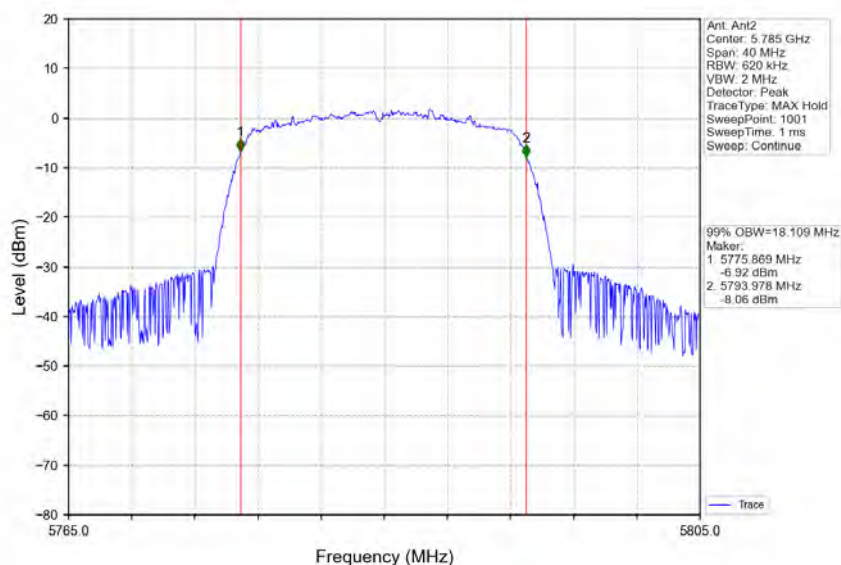
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802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



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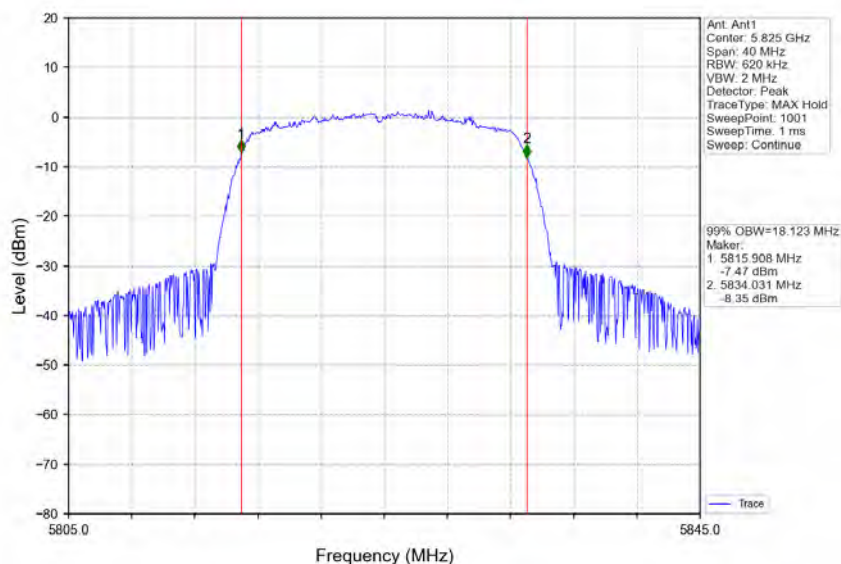
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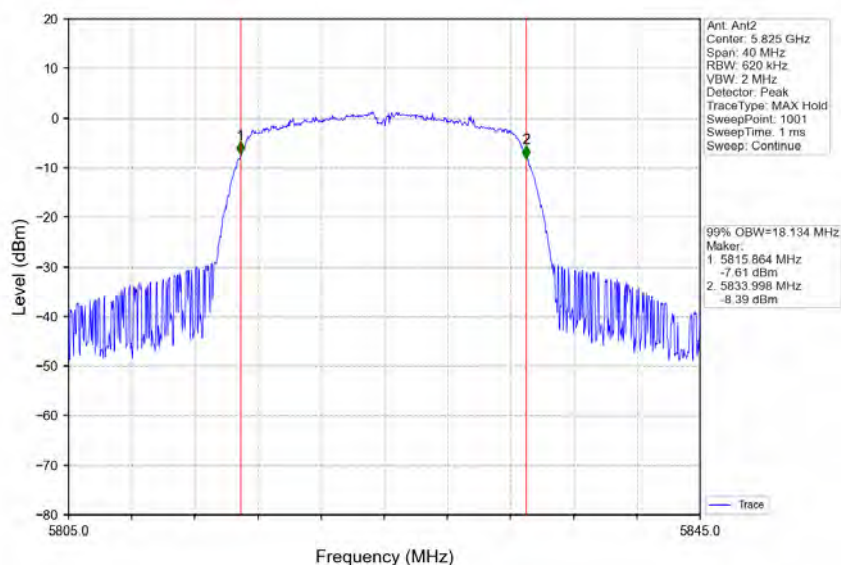
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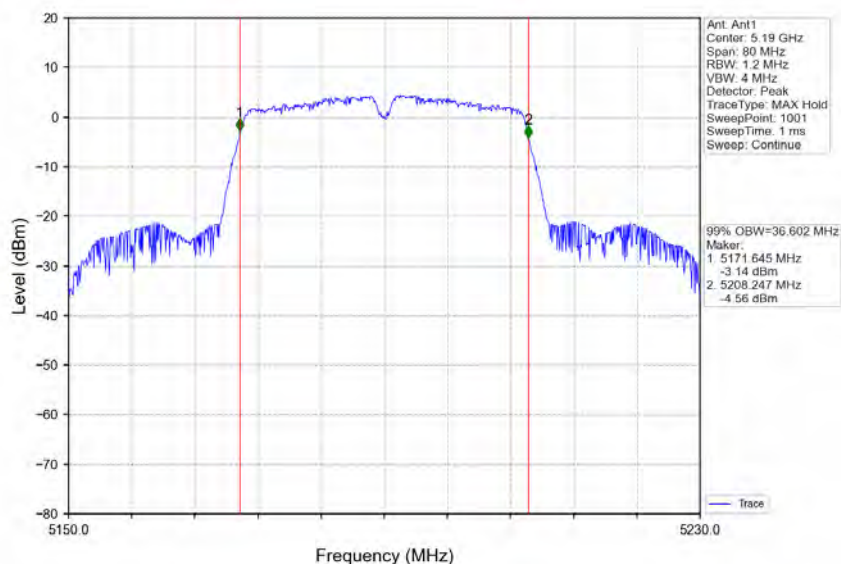
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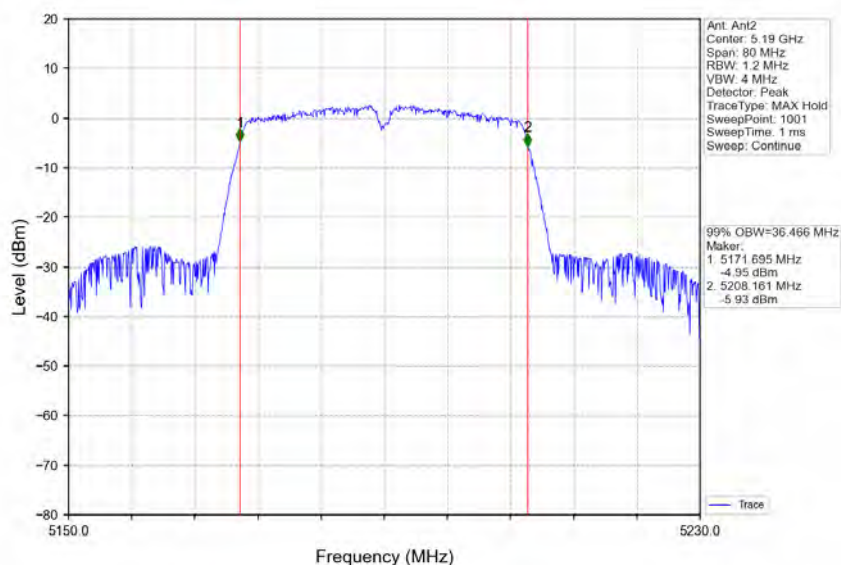
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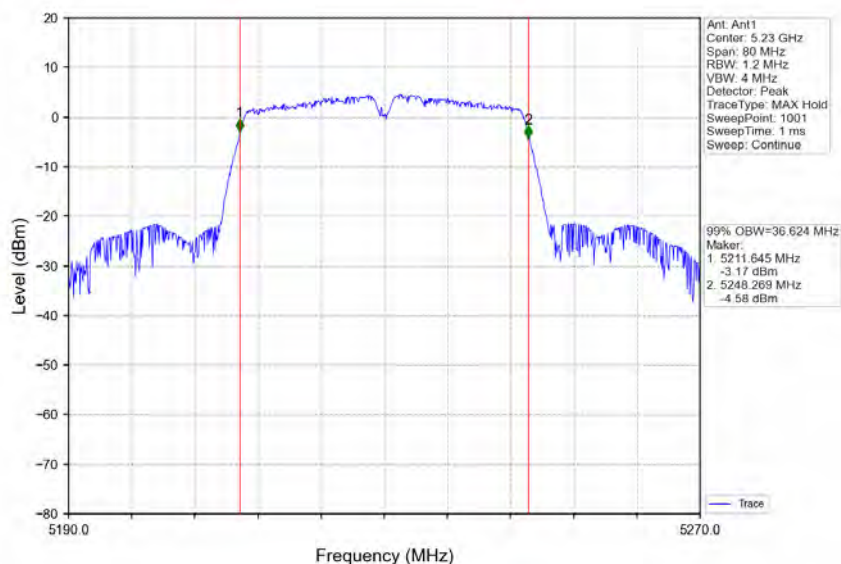
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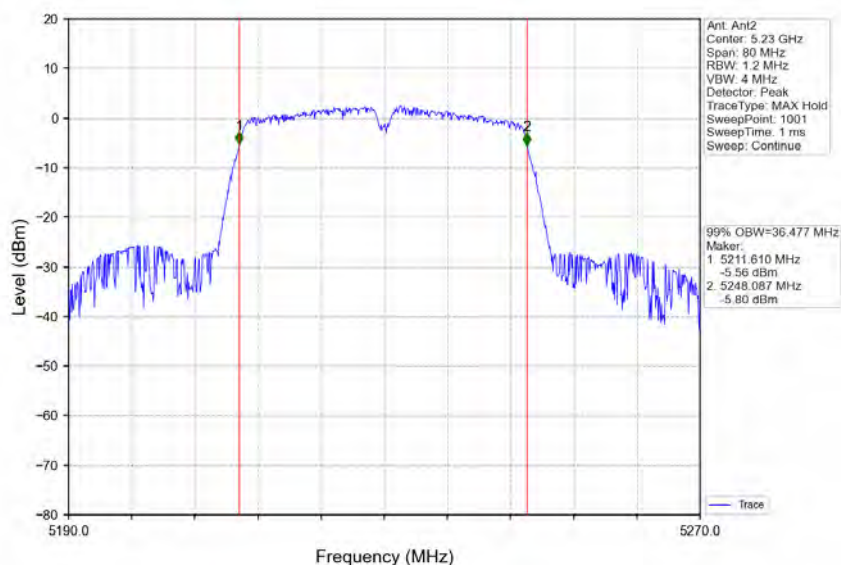
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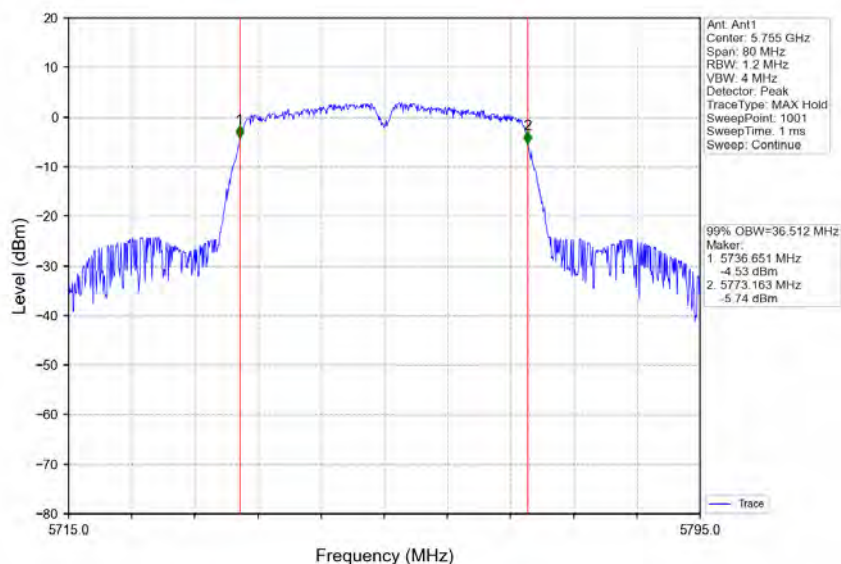
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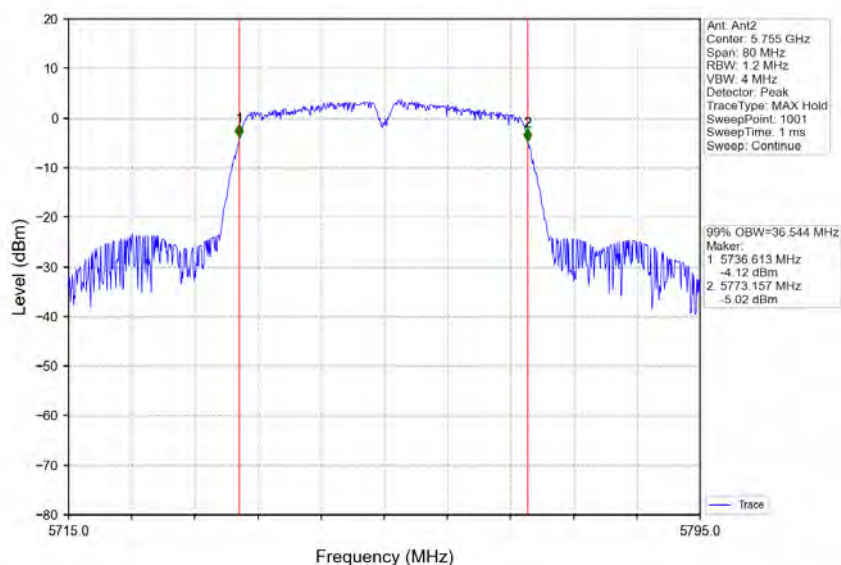
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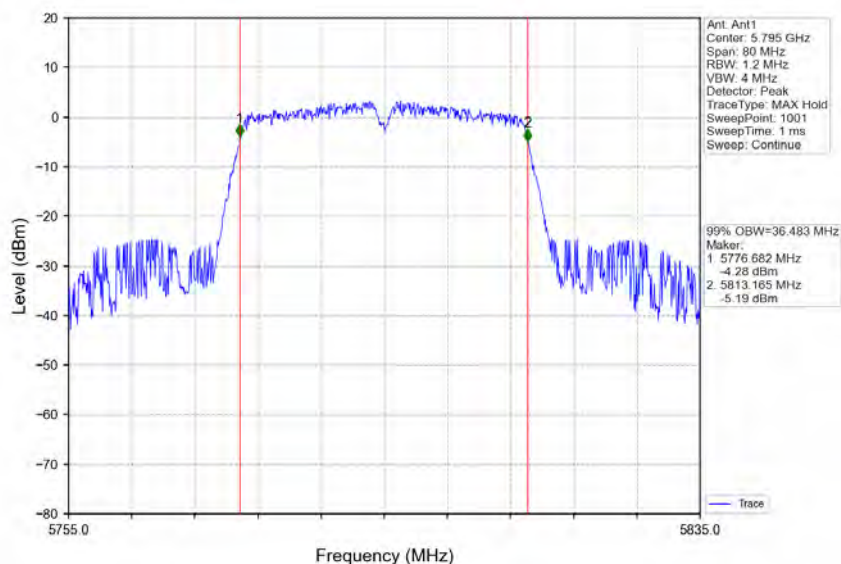
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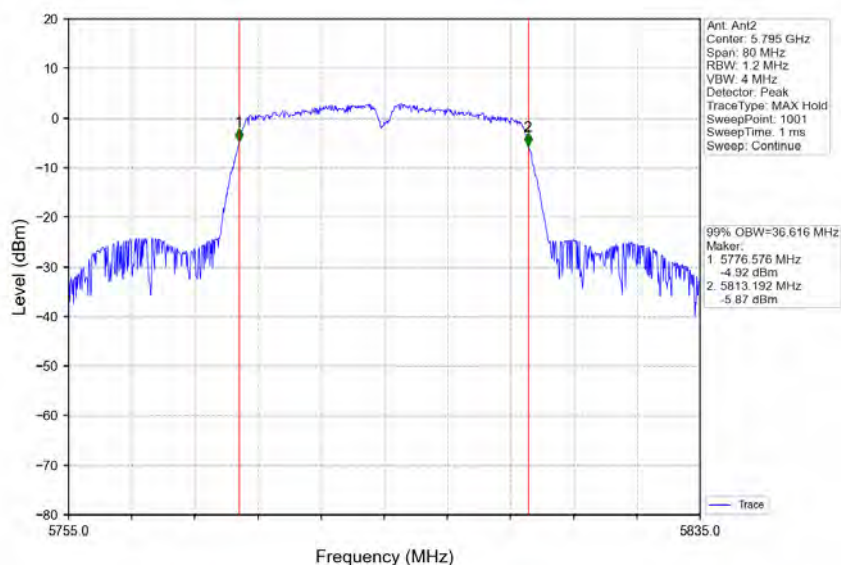
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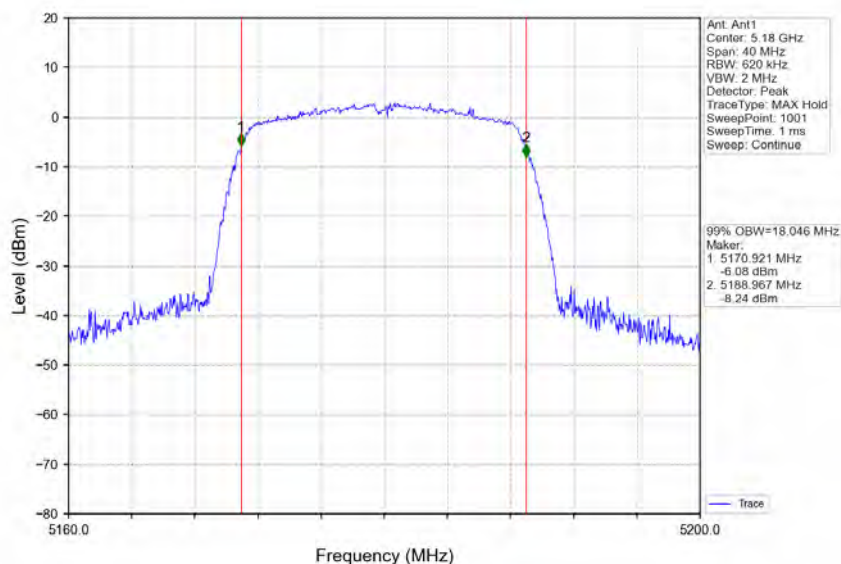
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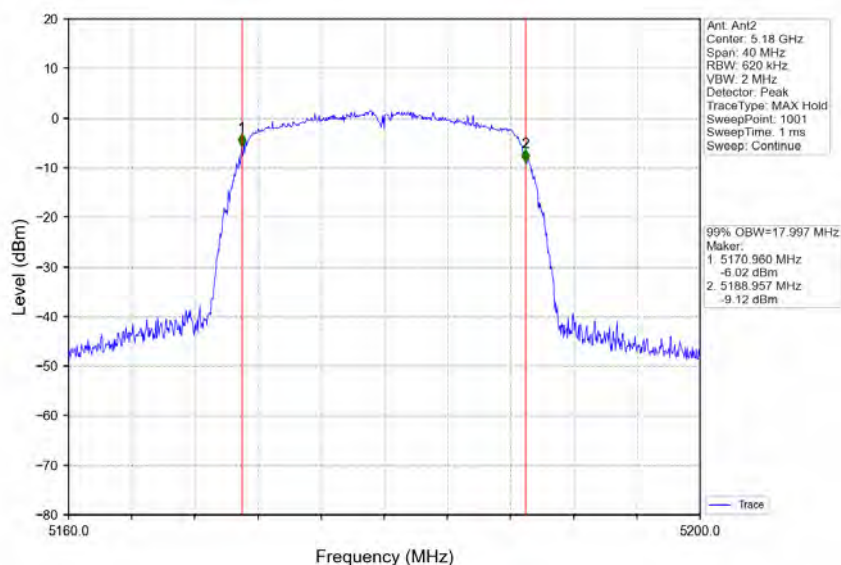
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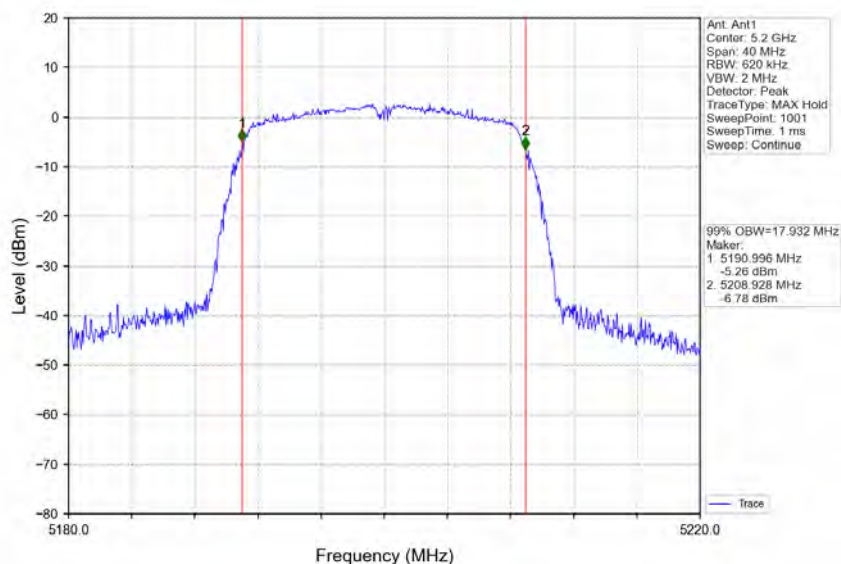
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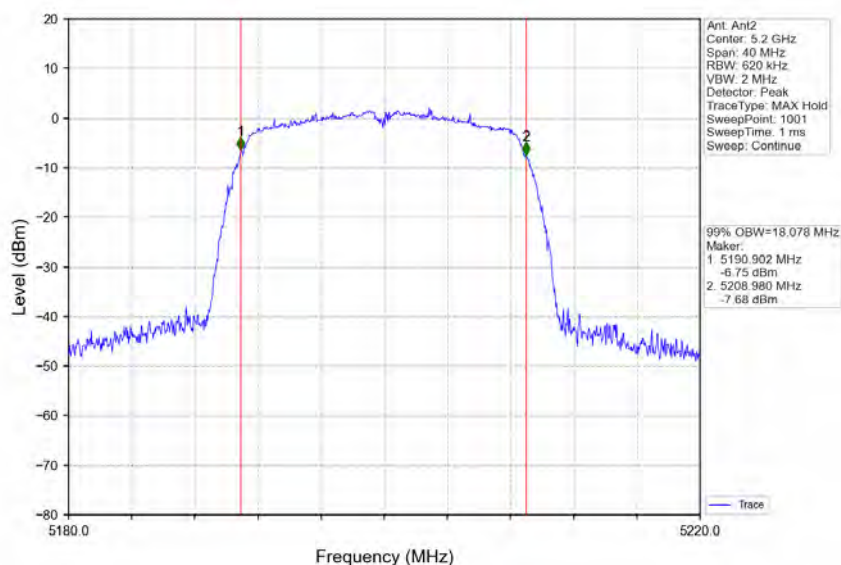
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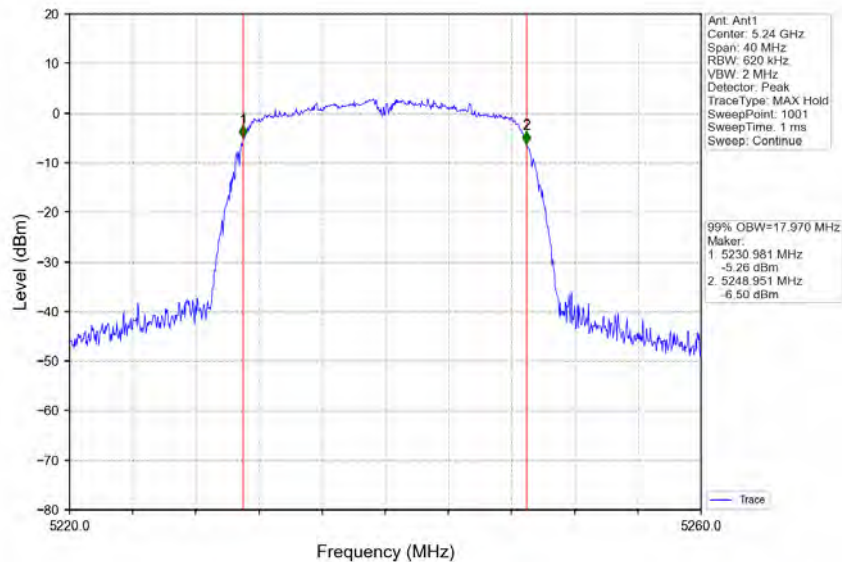
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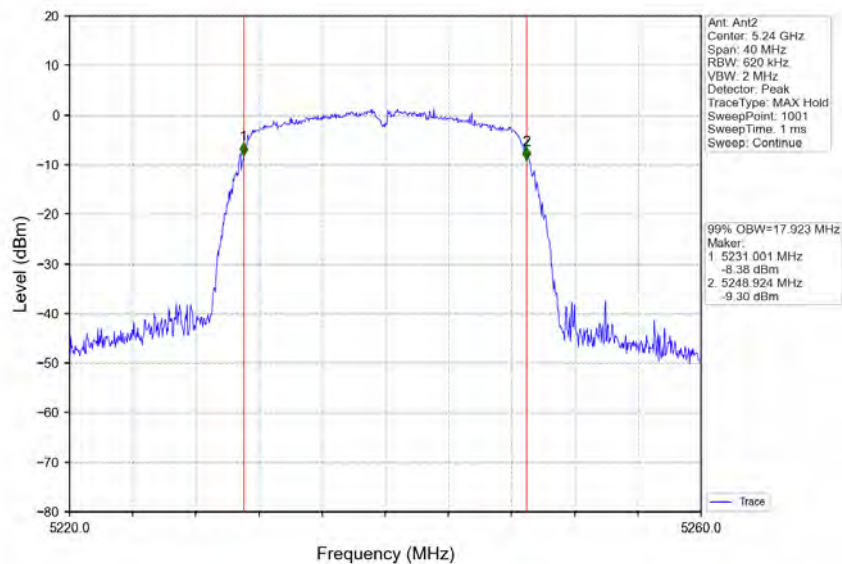
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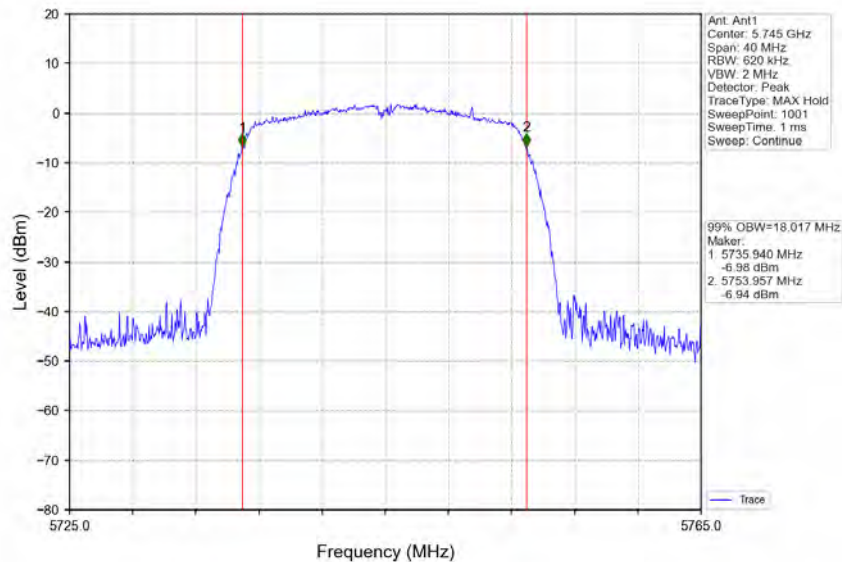
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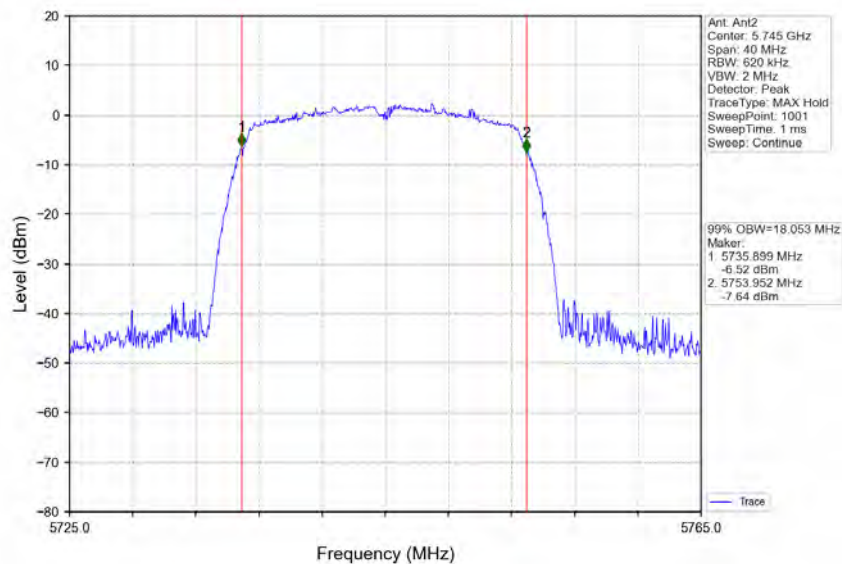
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802.11ac(VHT20) LCH 5745MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant2 NTN



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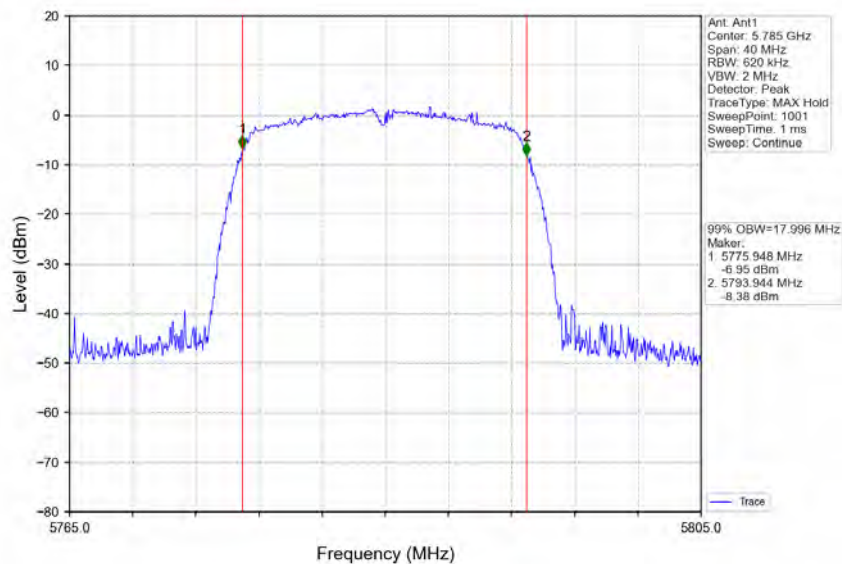
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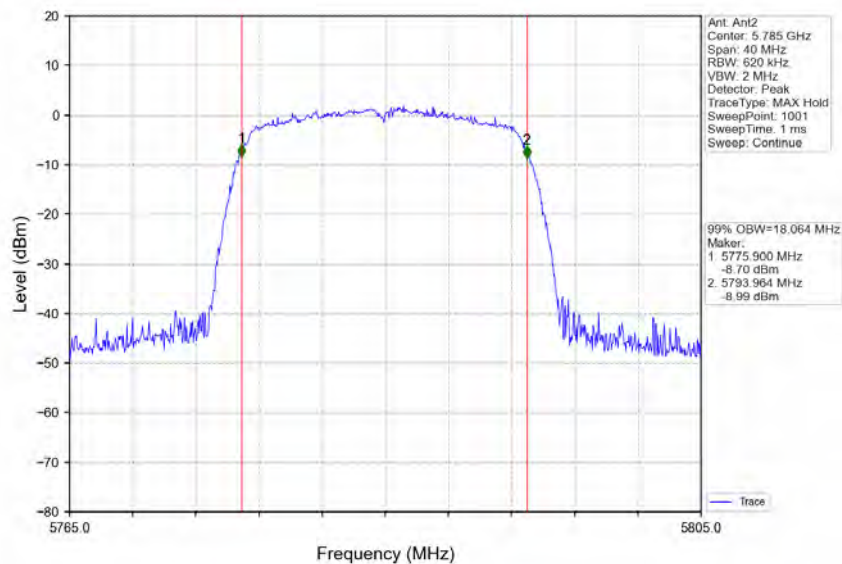
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



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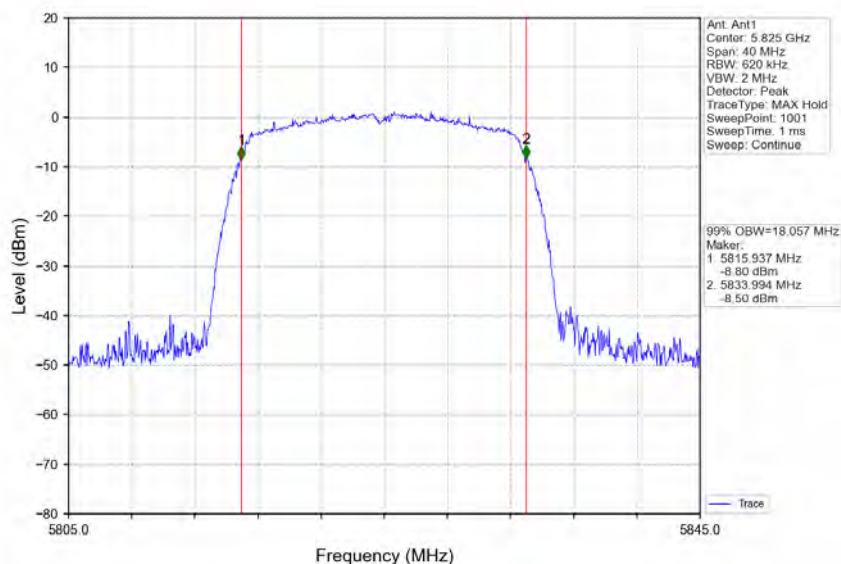
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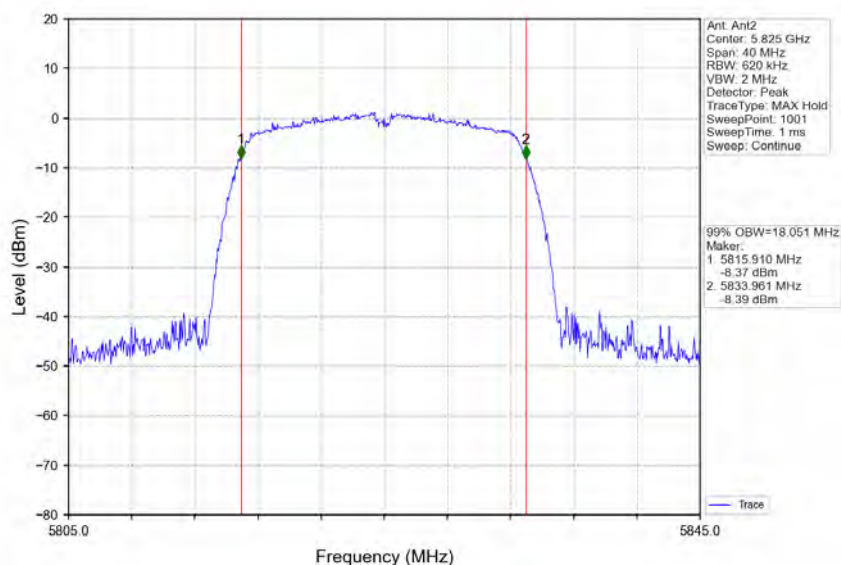
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



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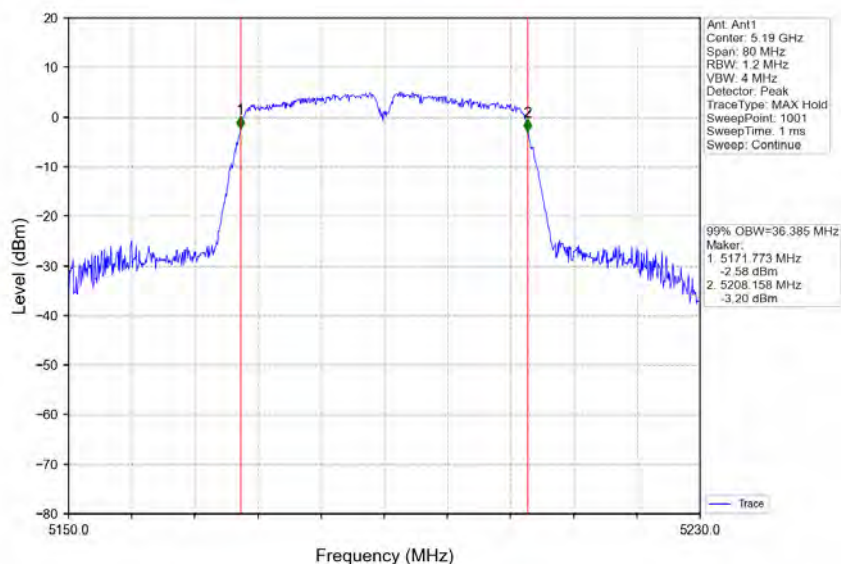
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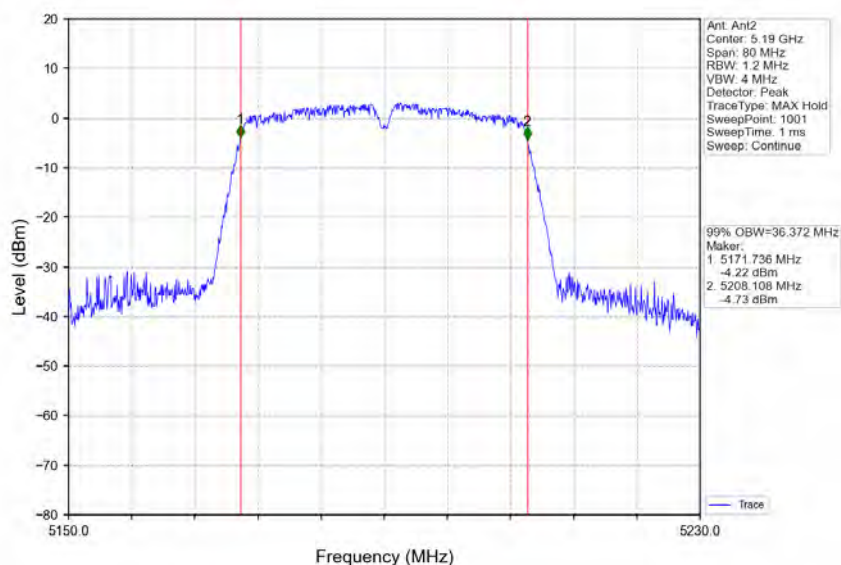
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant2 NTN



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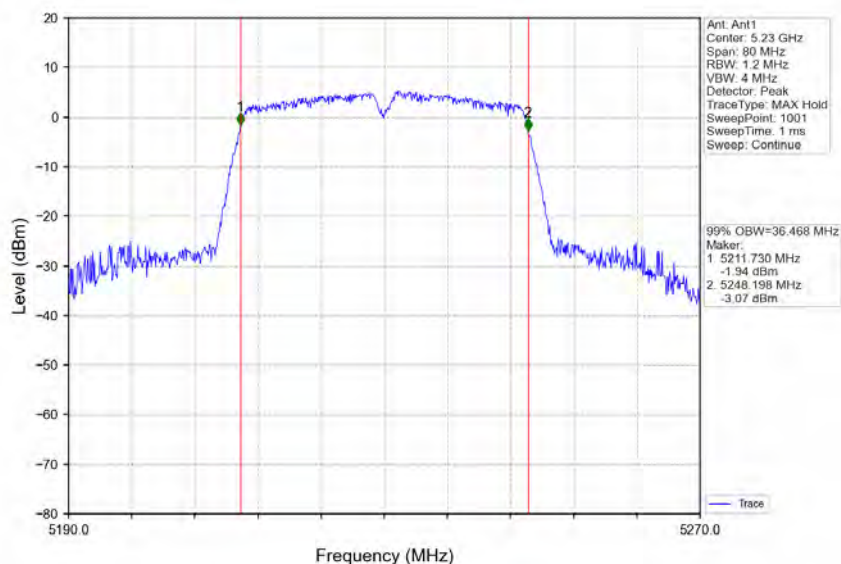
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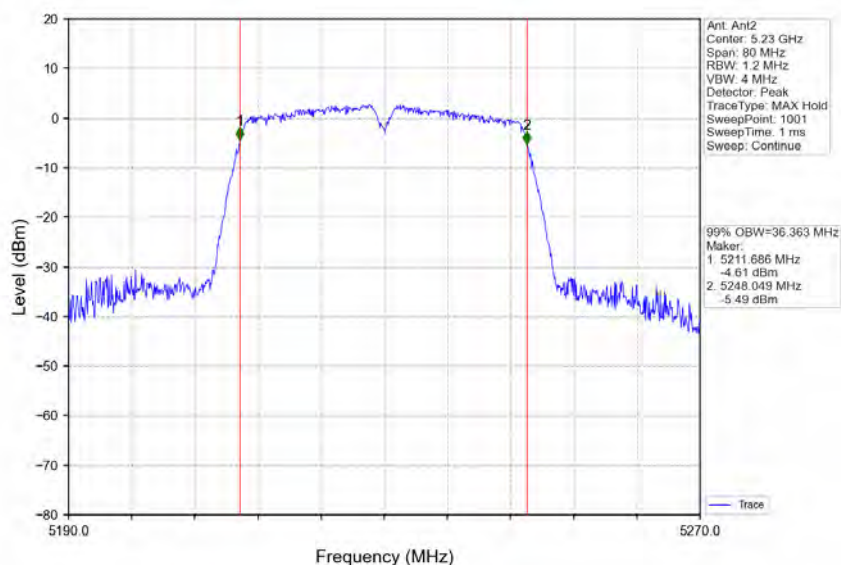
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



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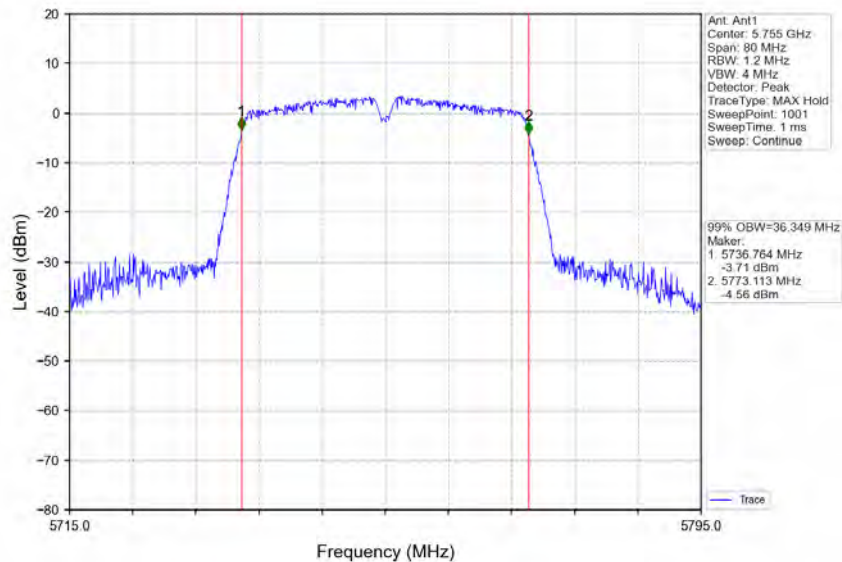
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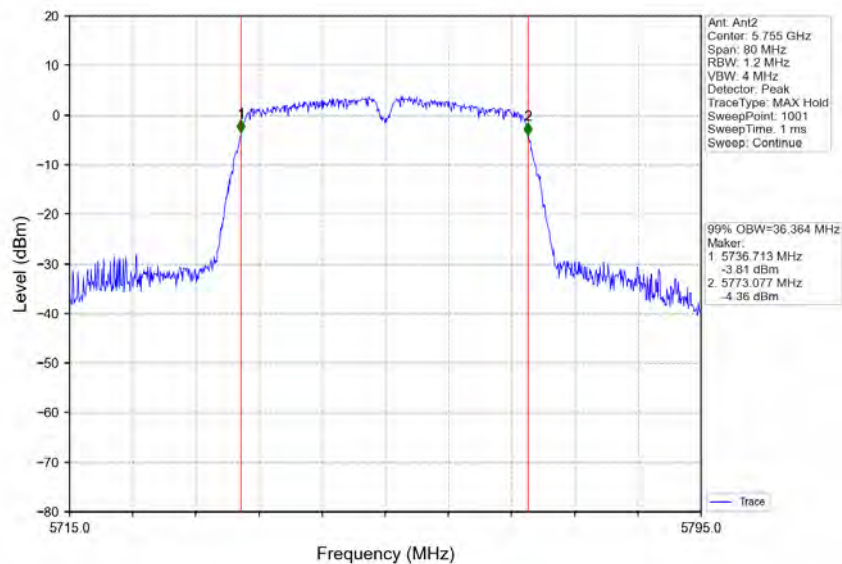
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant2 NTN



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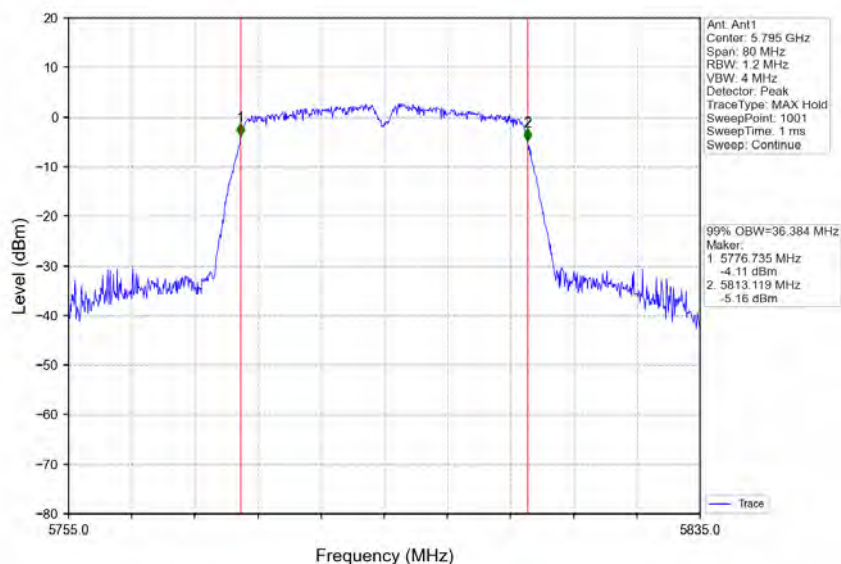
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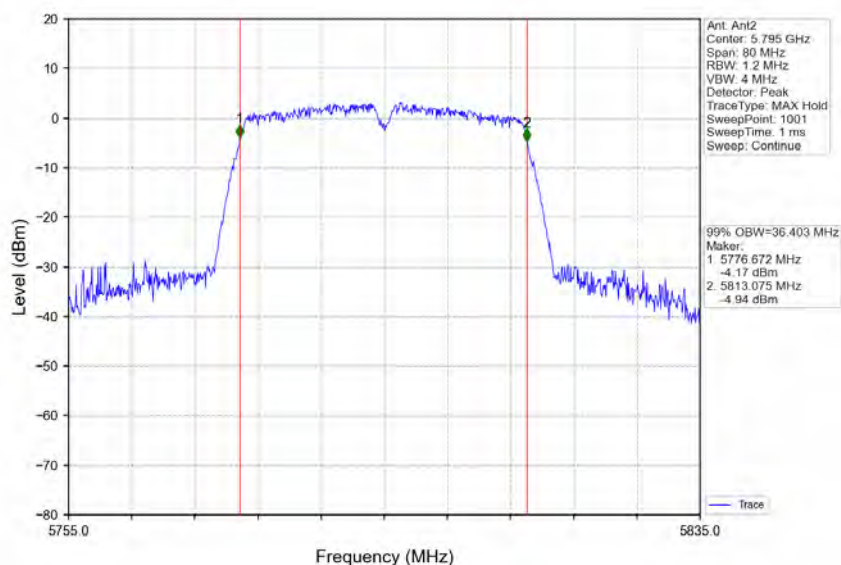
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



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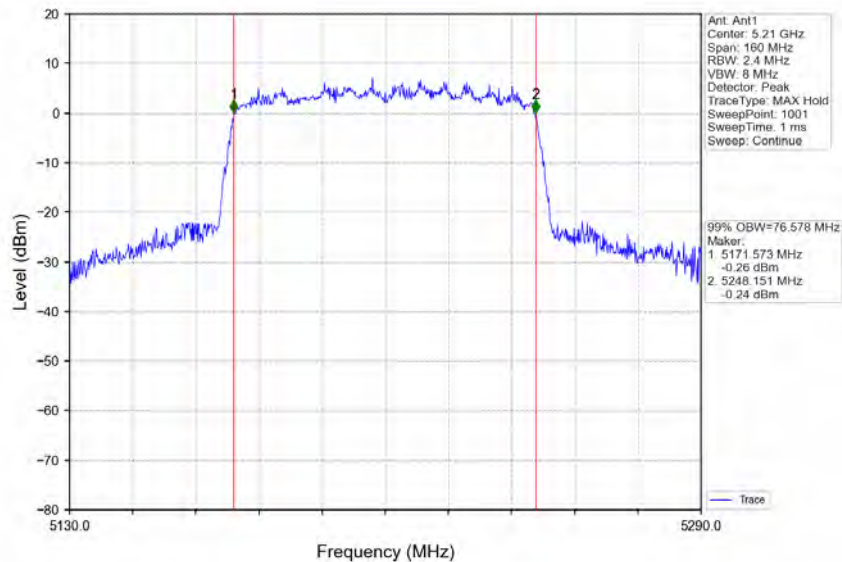
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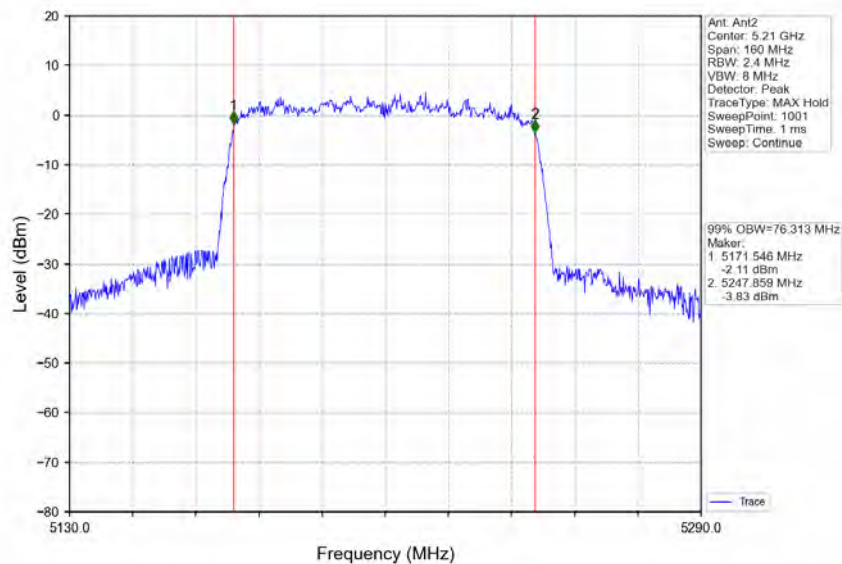
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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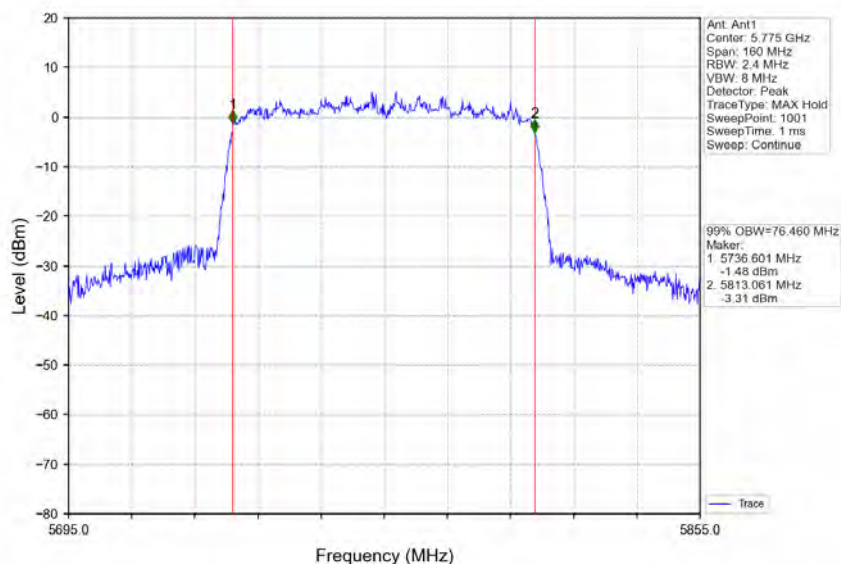
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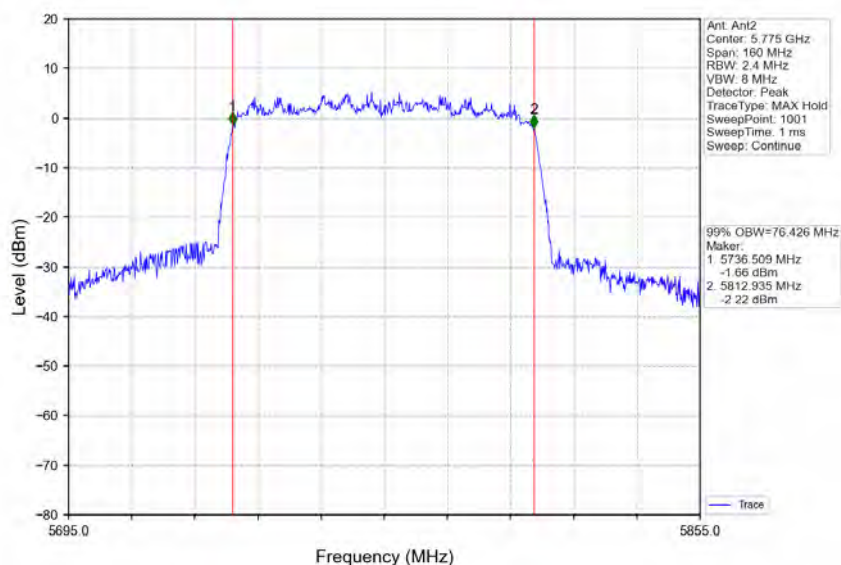
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	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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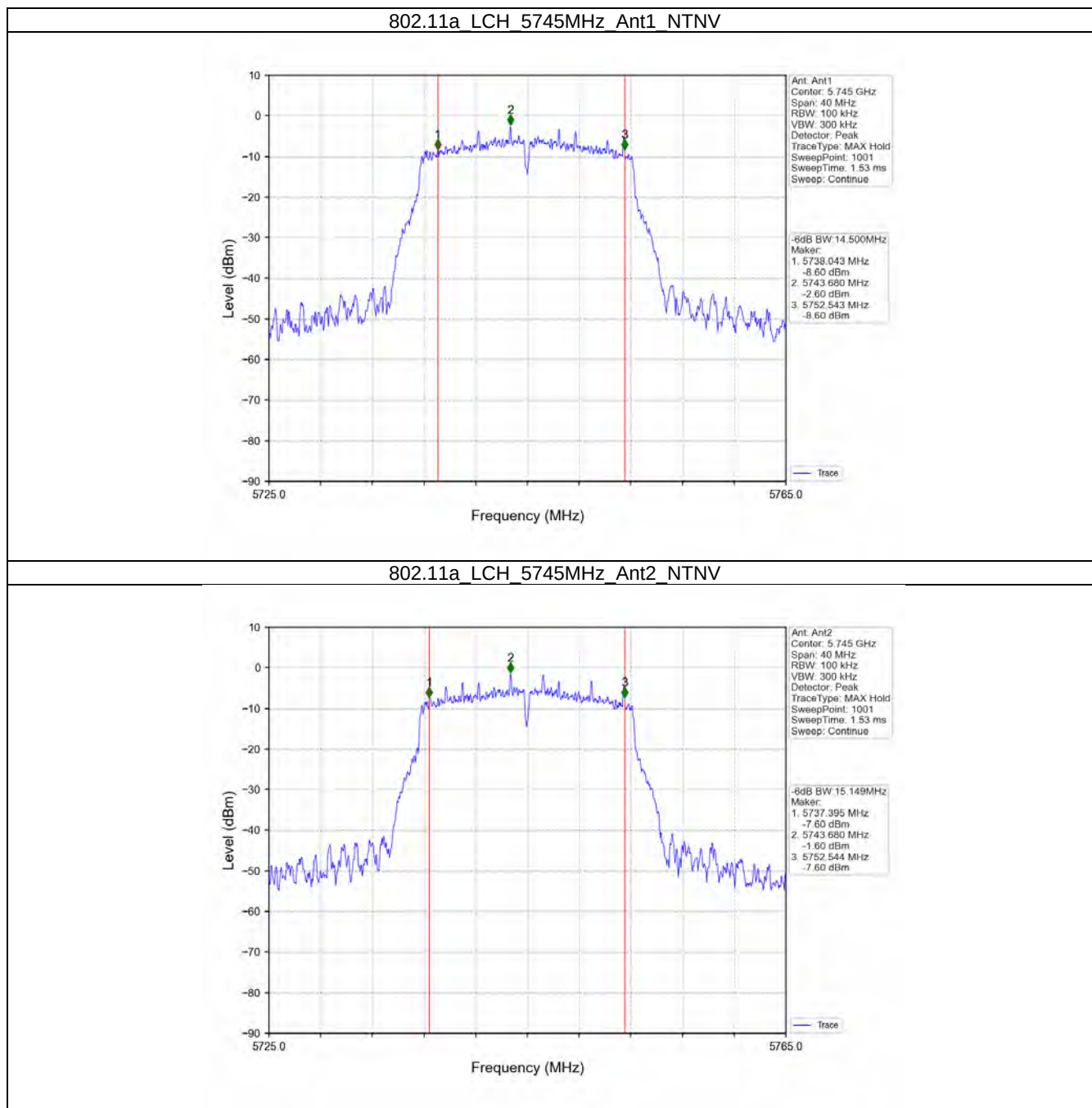
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2.2.2 Test Graph



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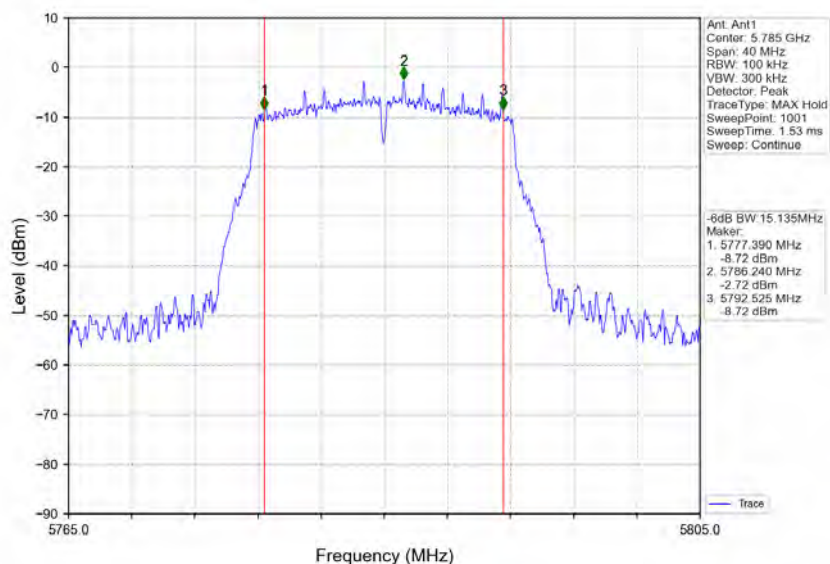
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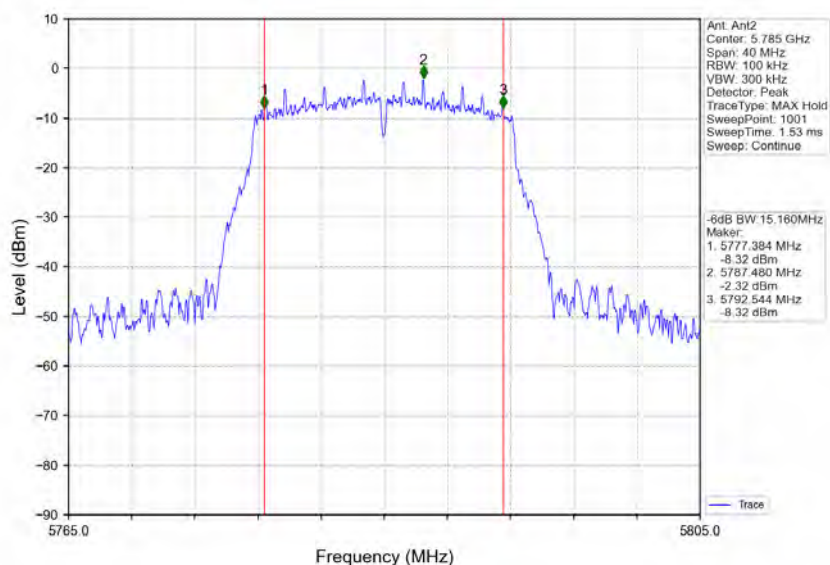
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



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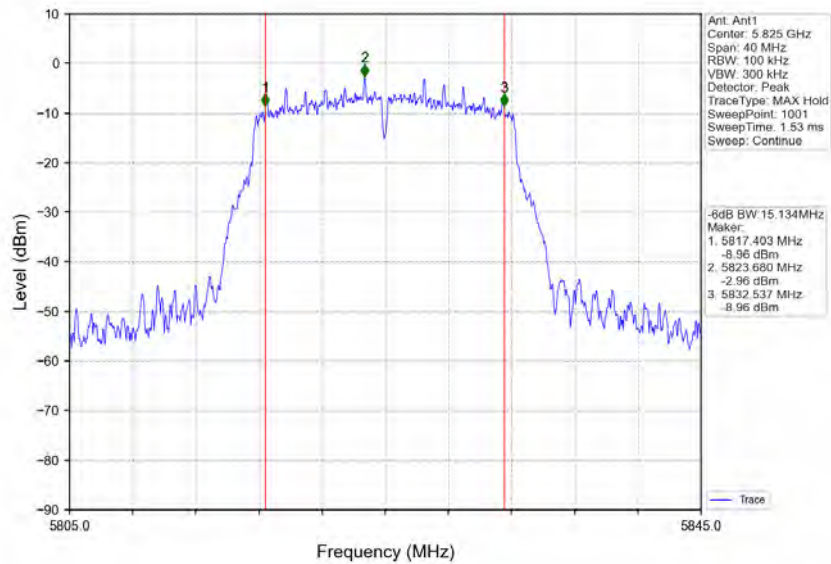
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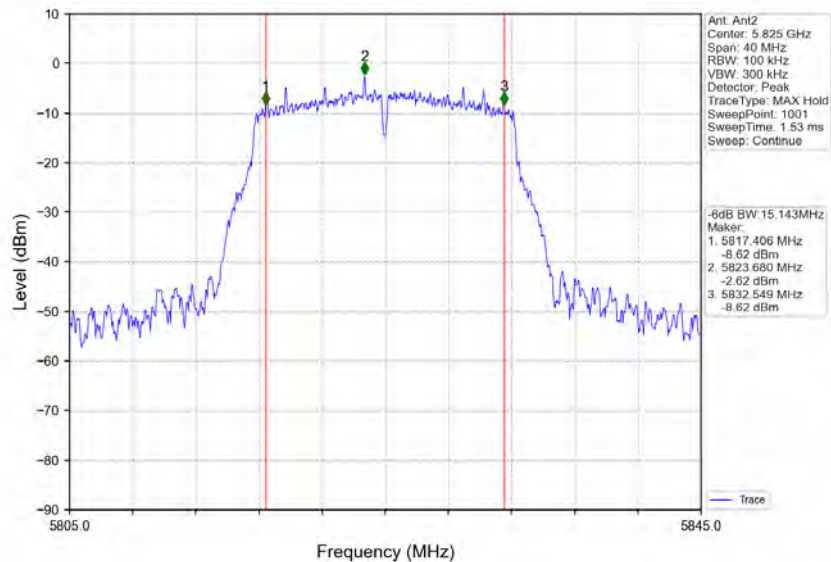
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant2_NTNV



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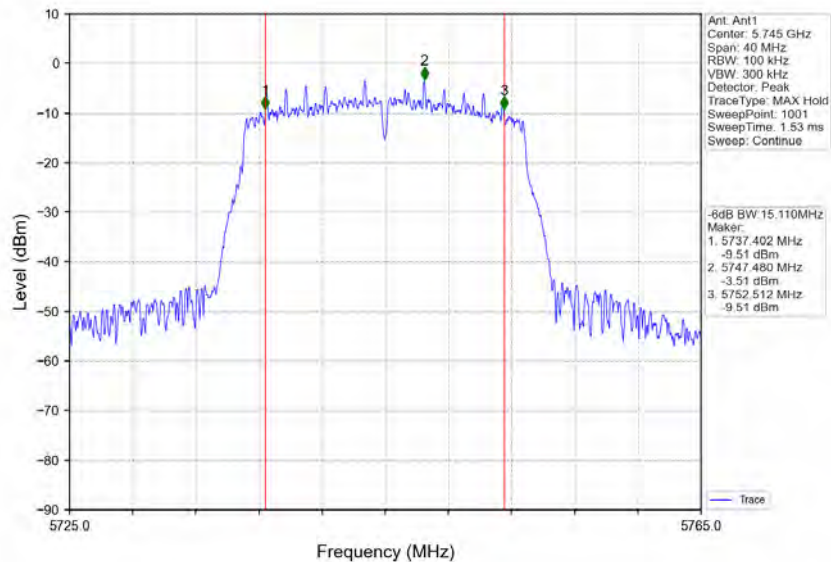
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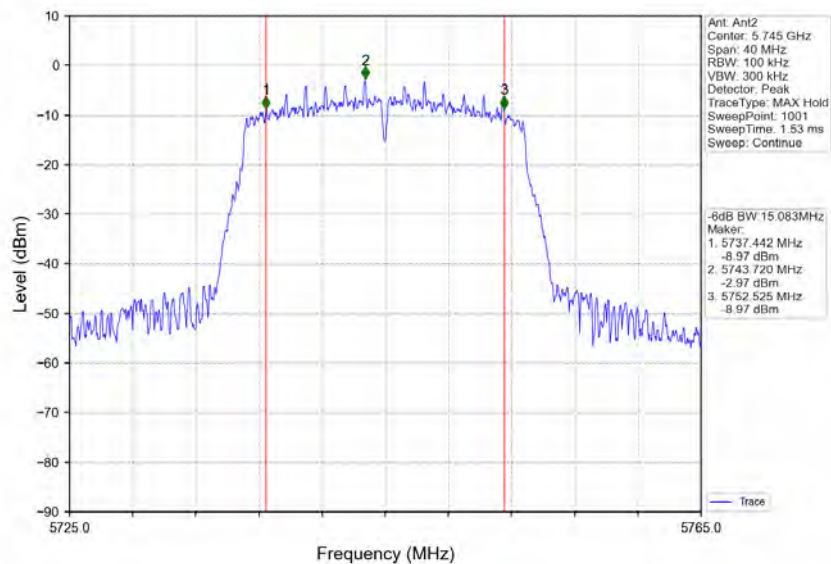
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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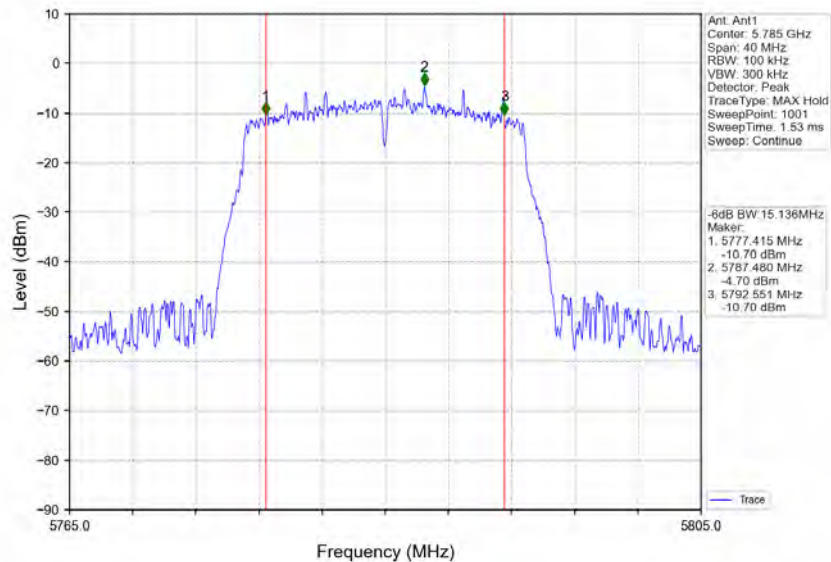
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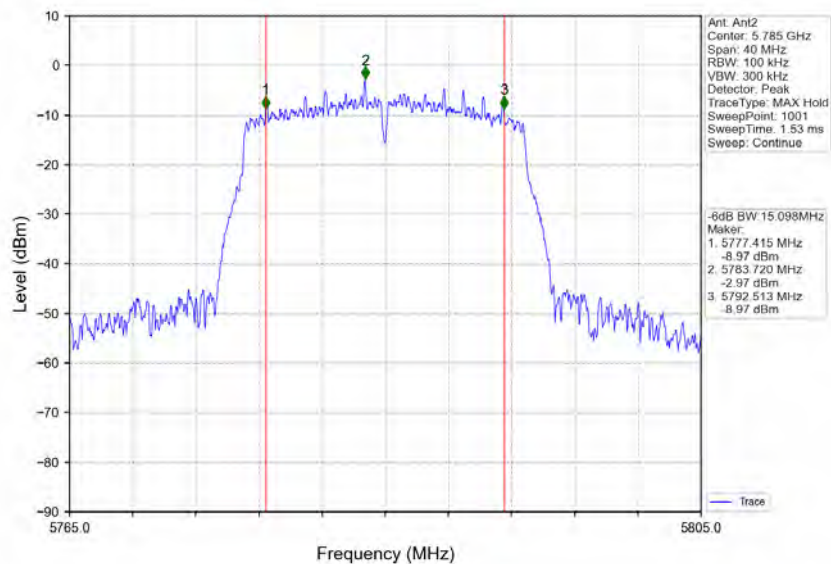
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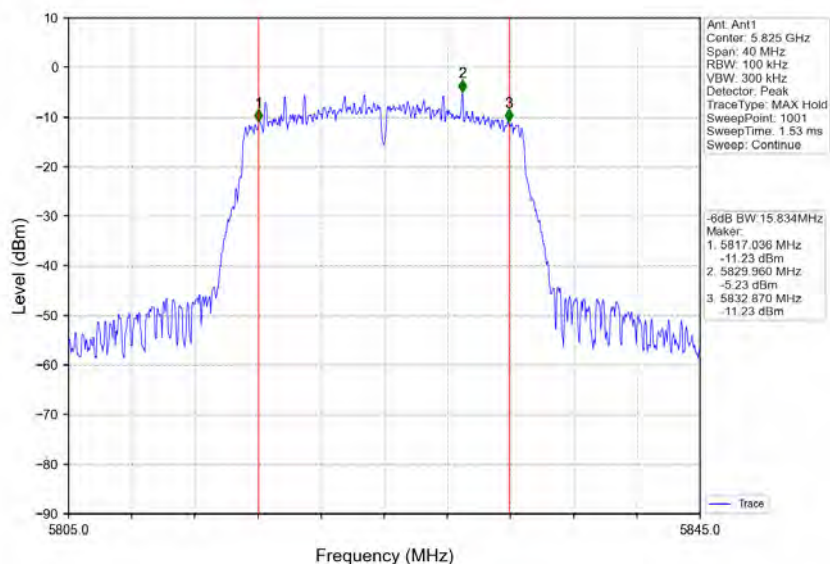
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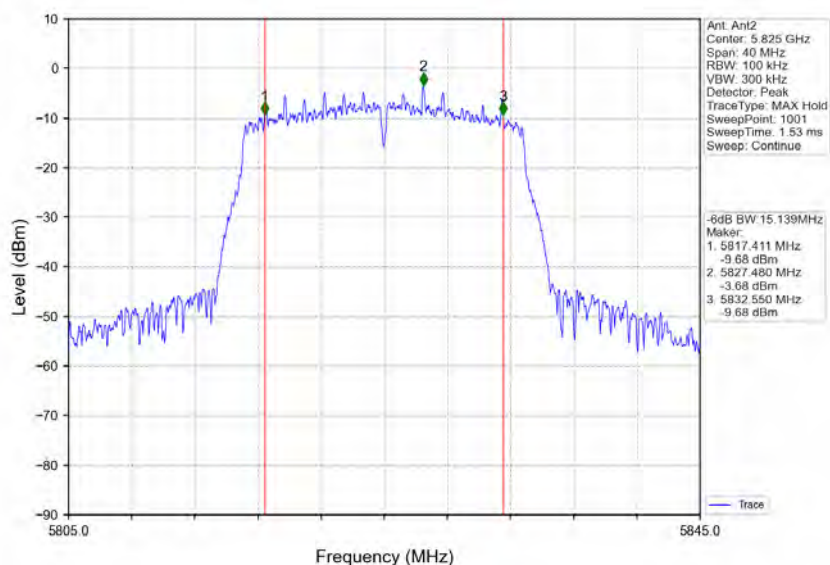
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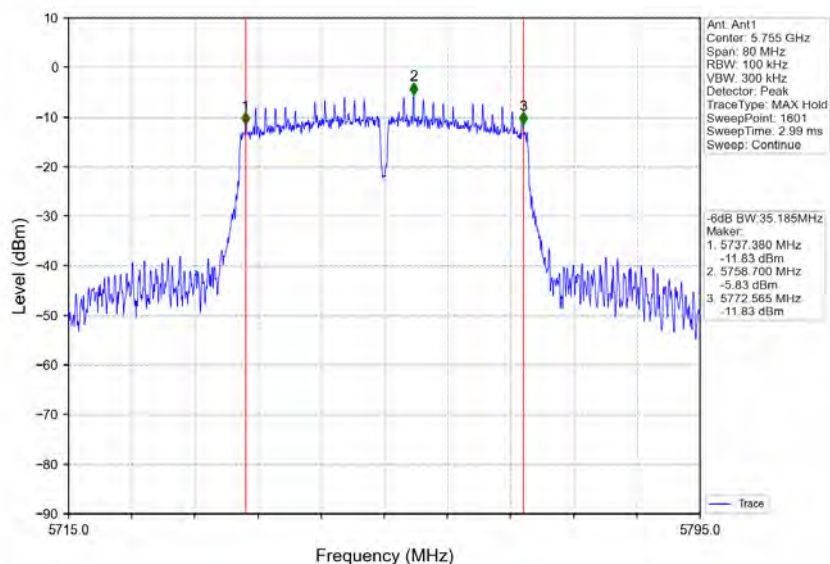
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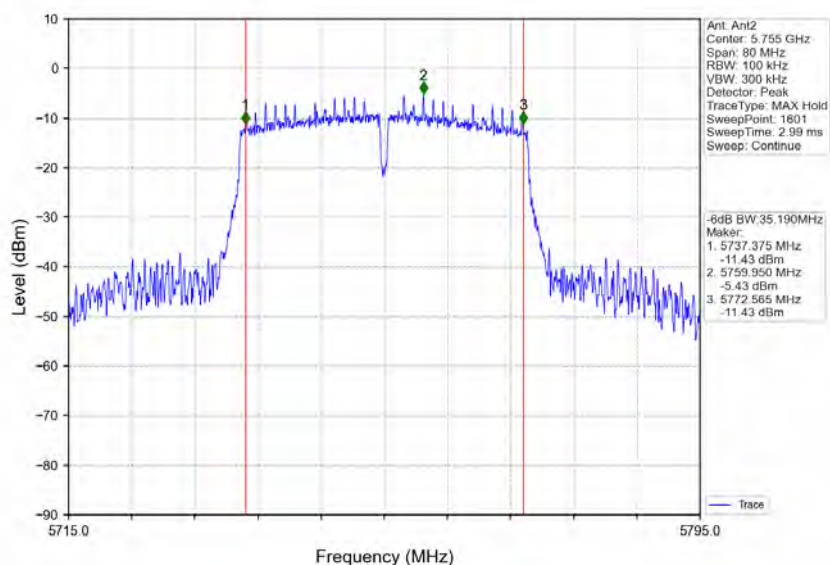
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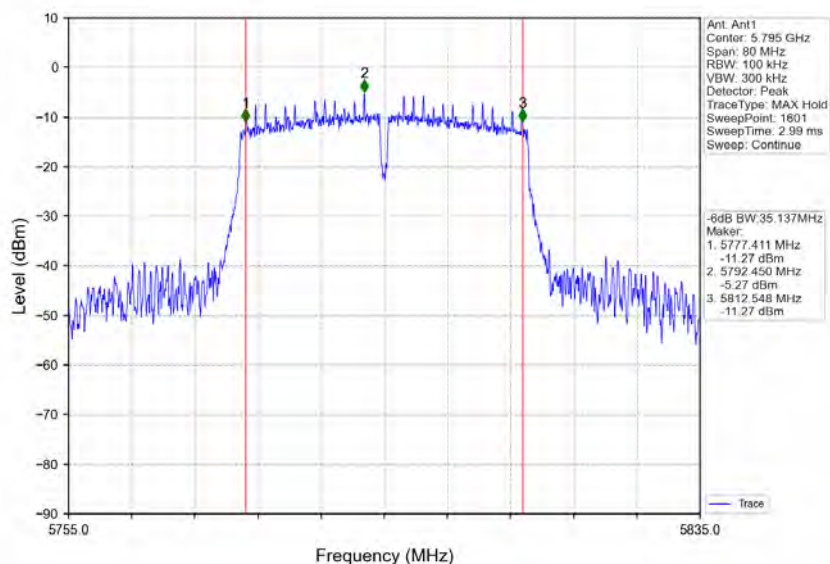
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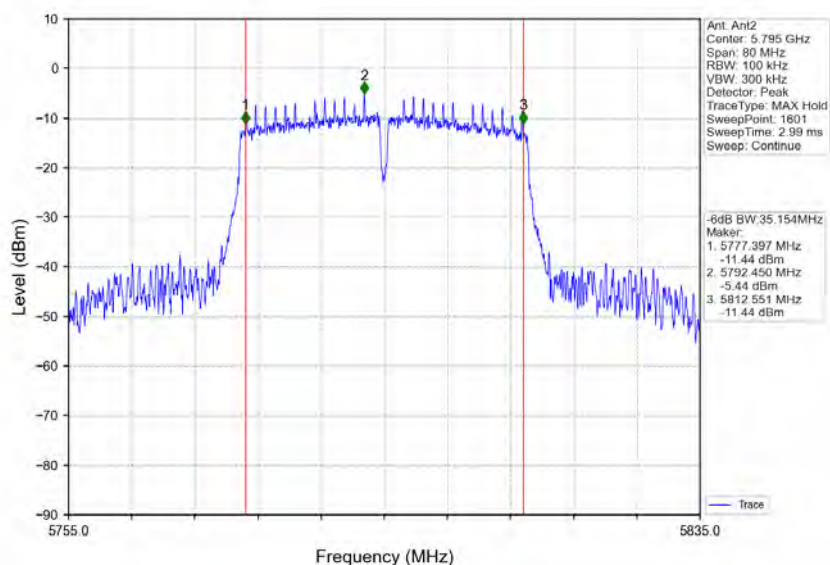
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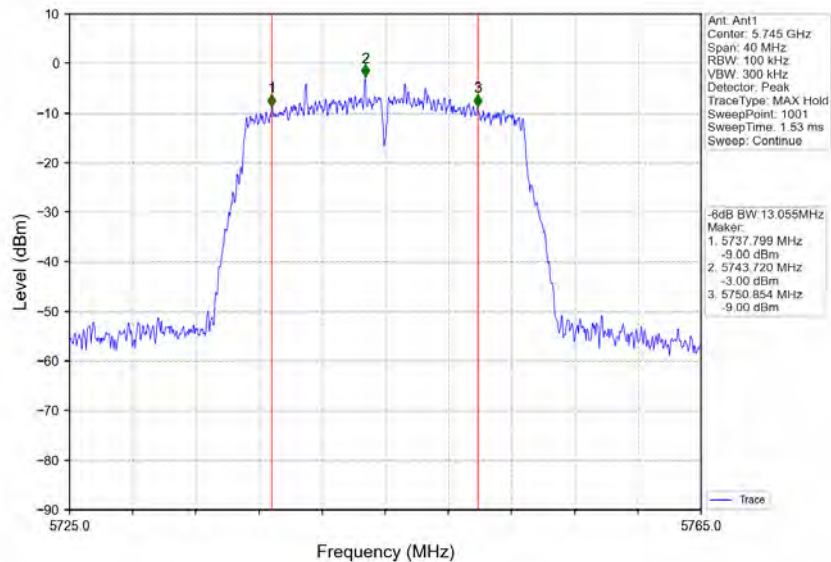
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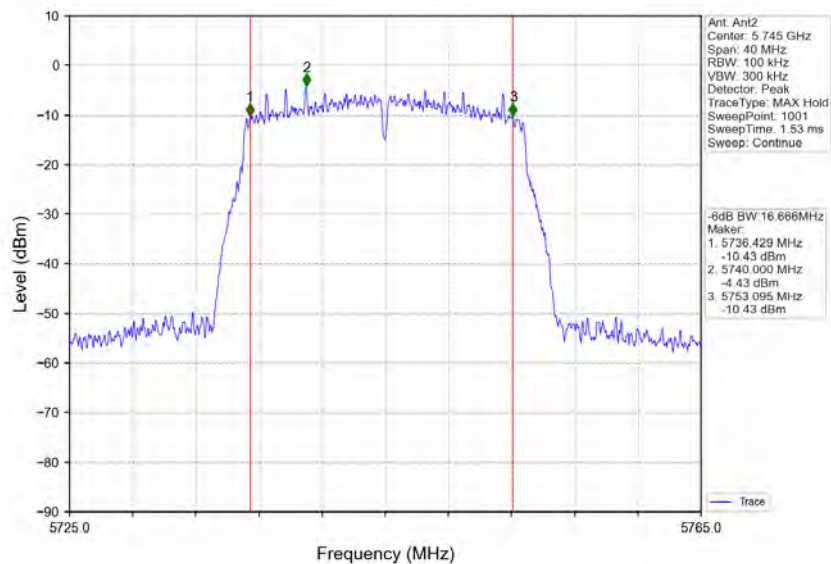
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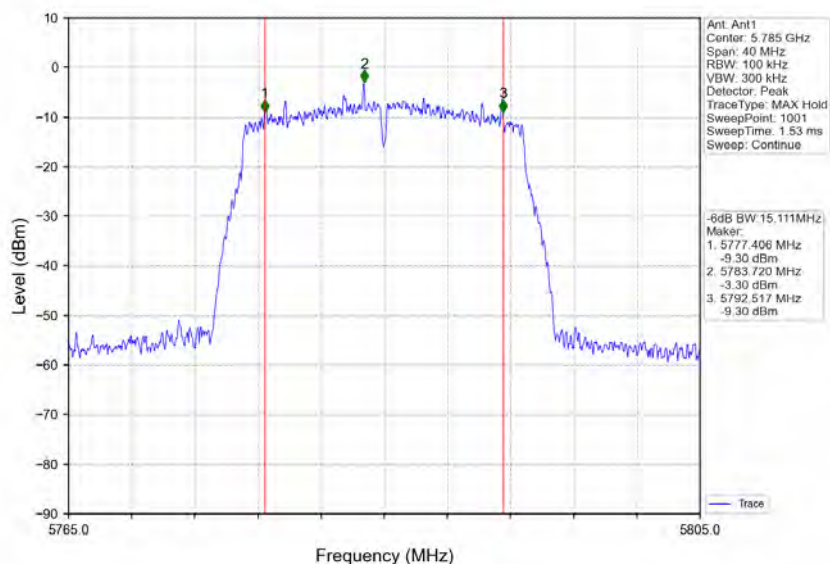
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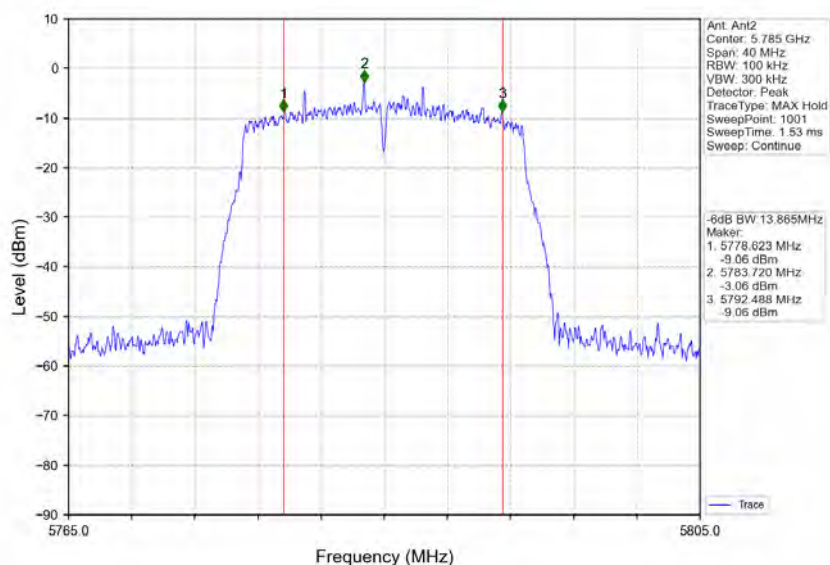
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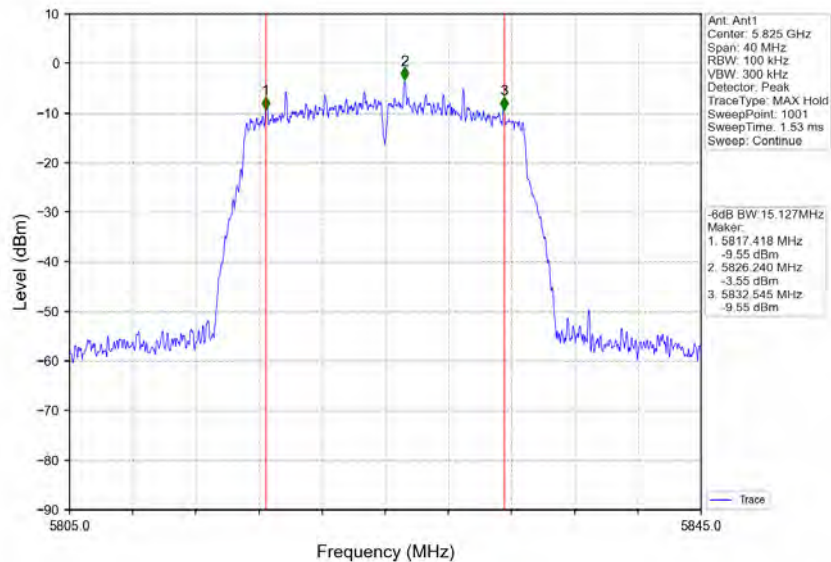
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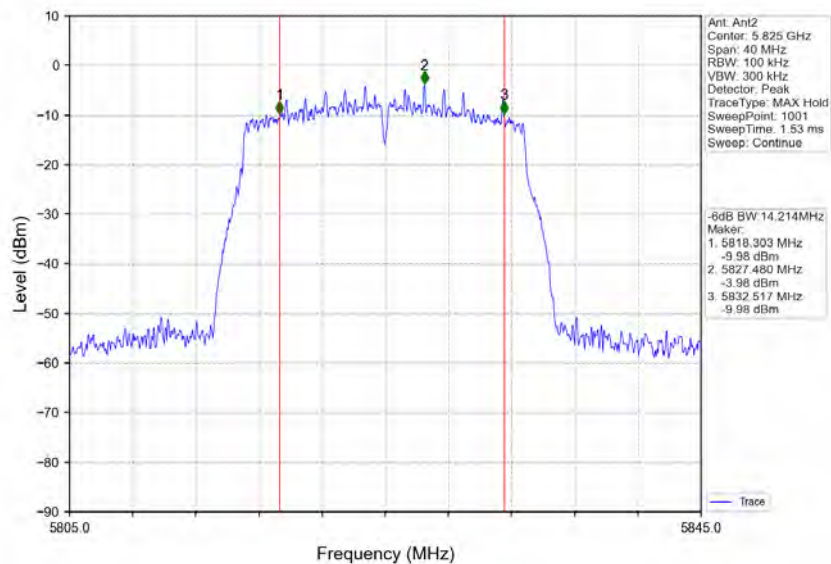
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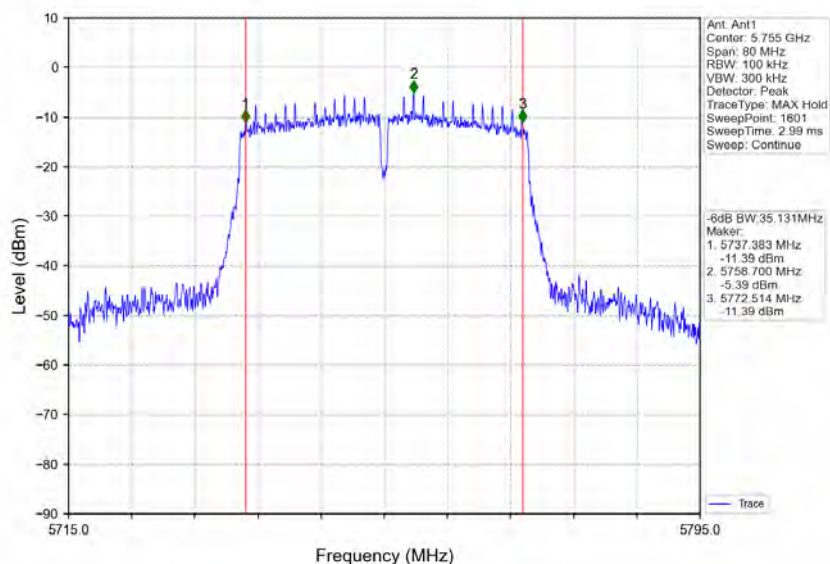
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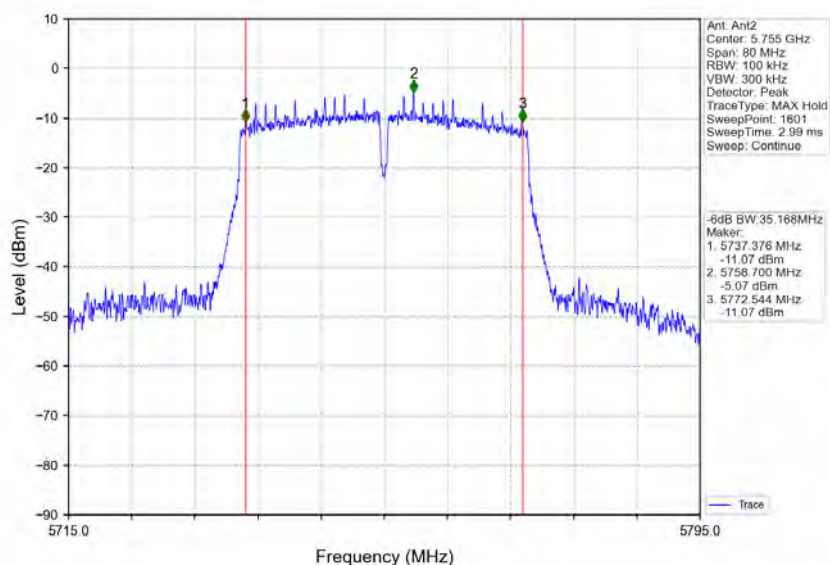
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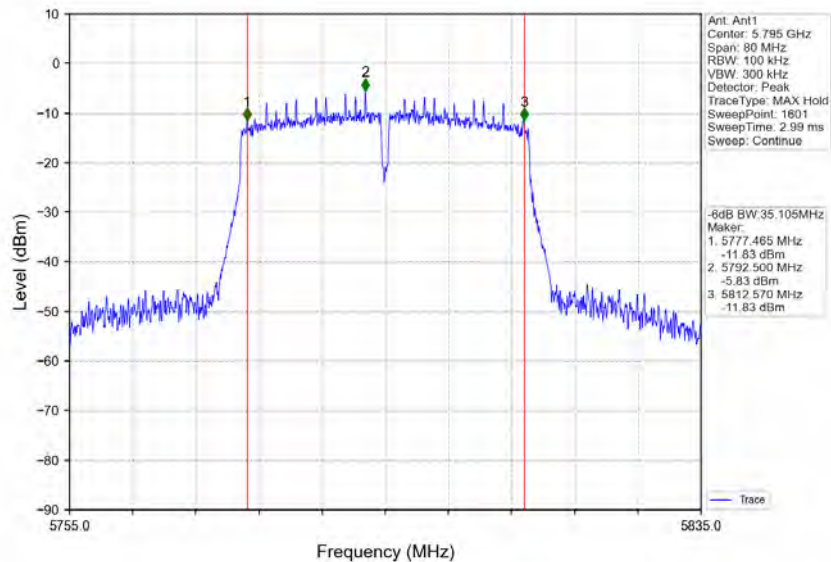
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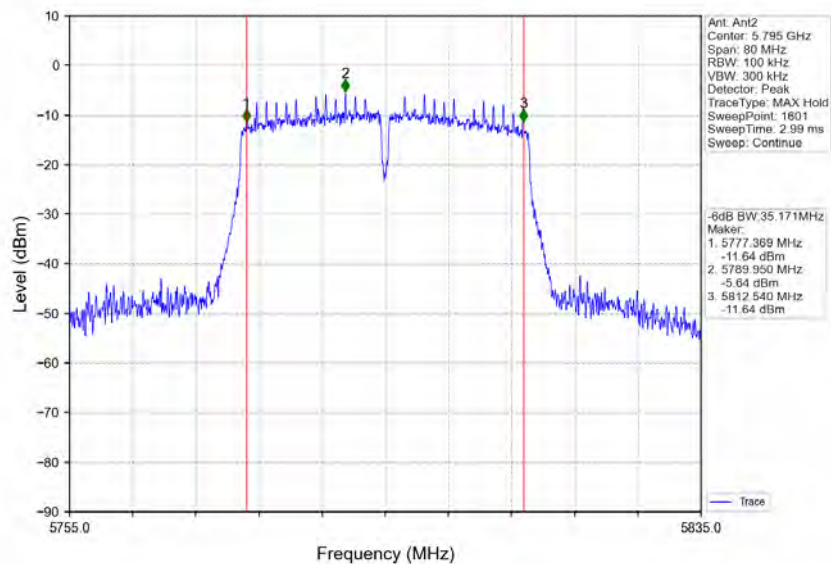
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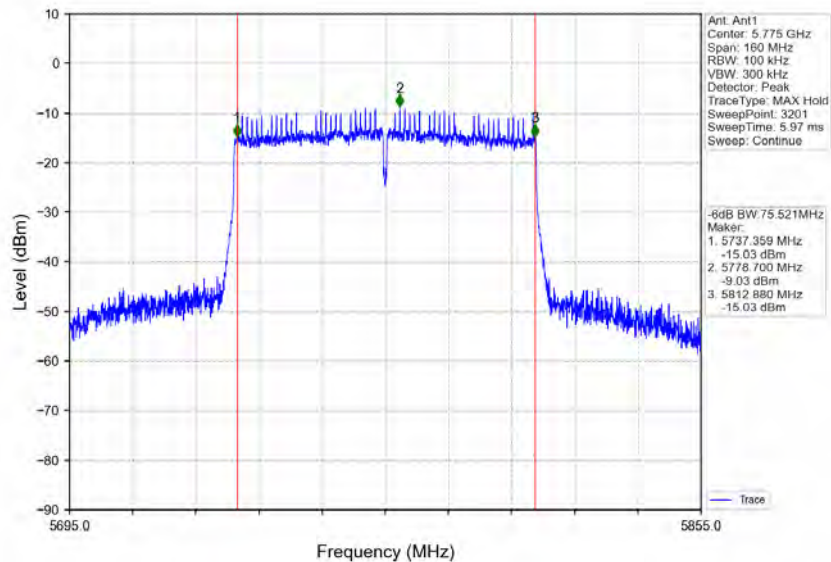
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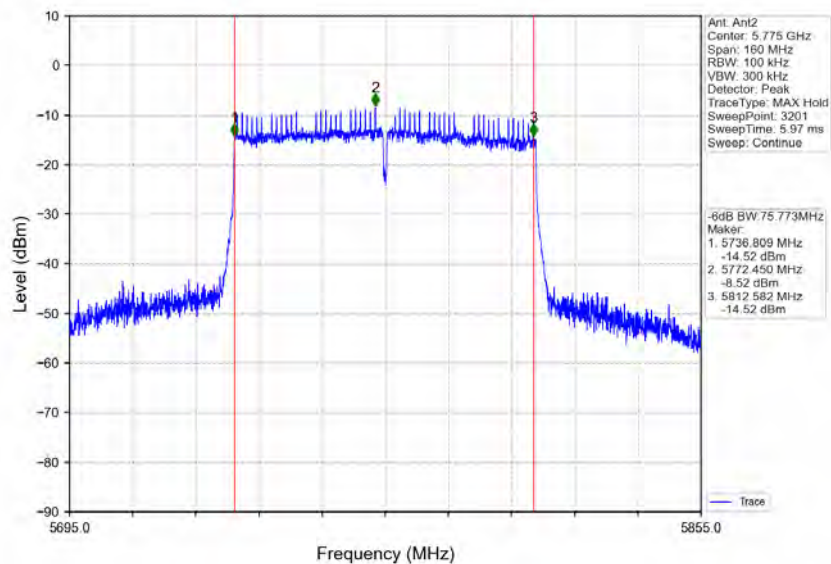
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2.3 26dB BW

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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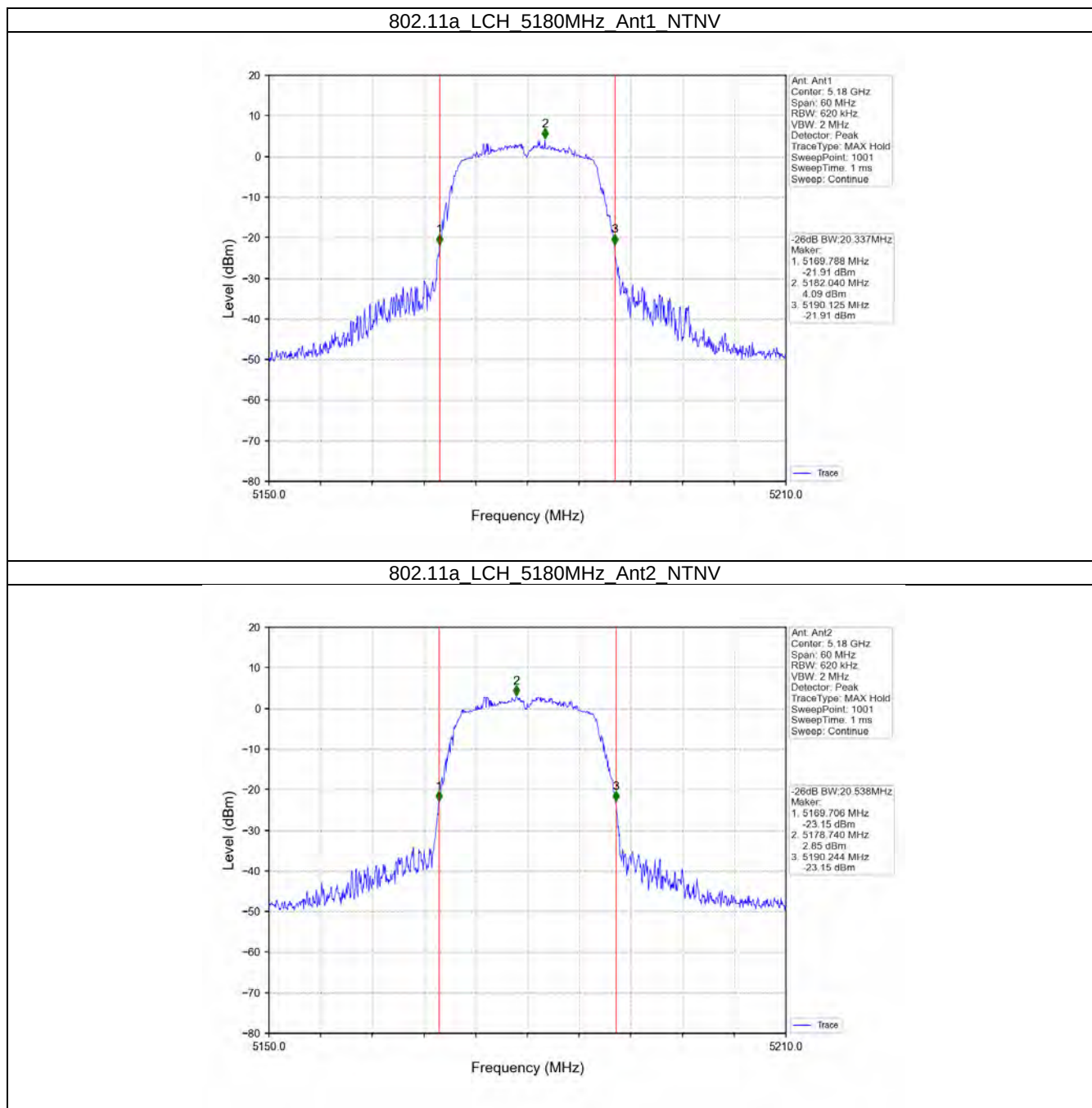
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2.3.2 Test Graph



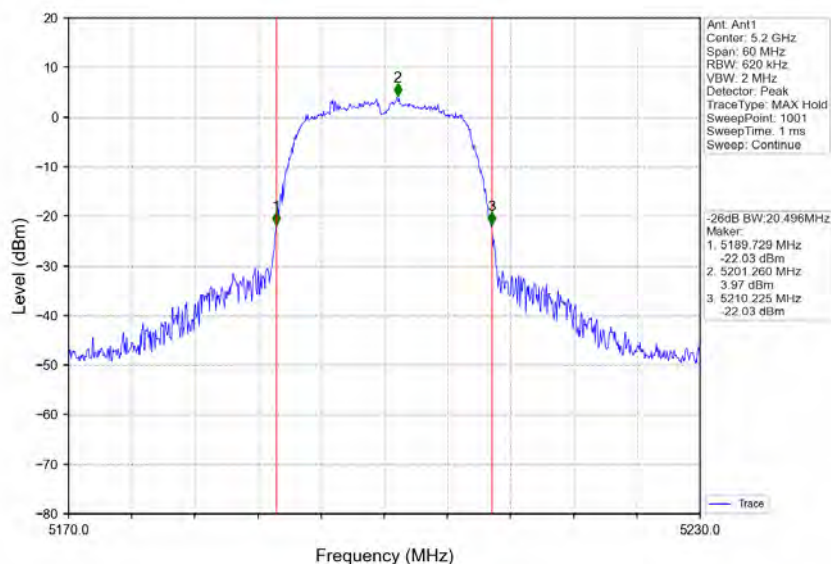
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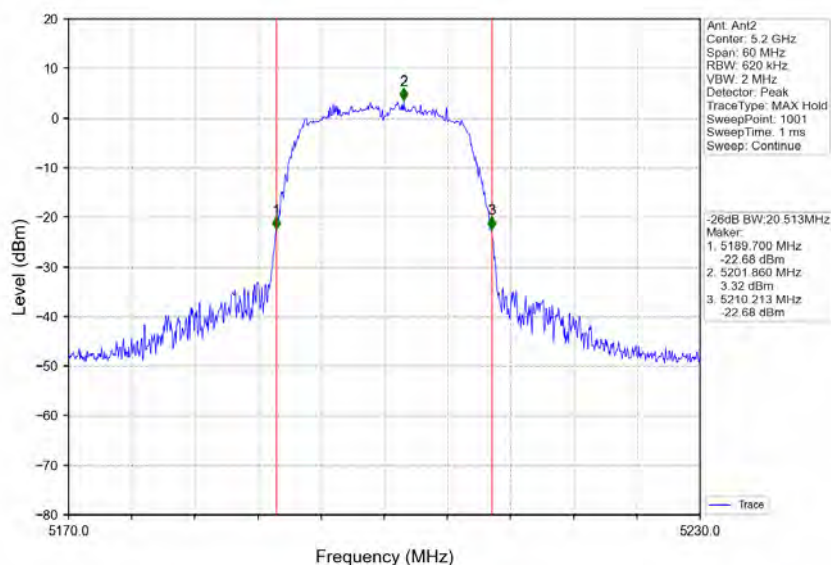
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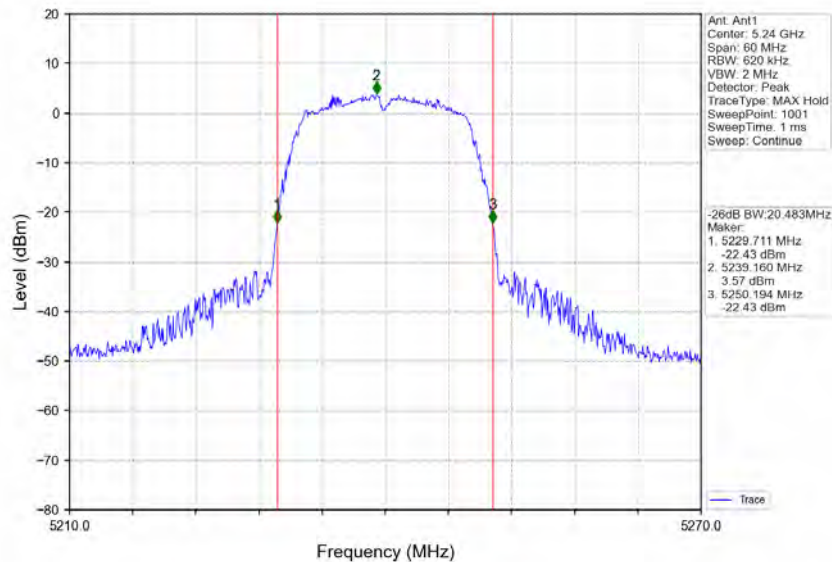
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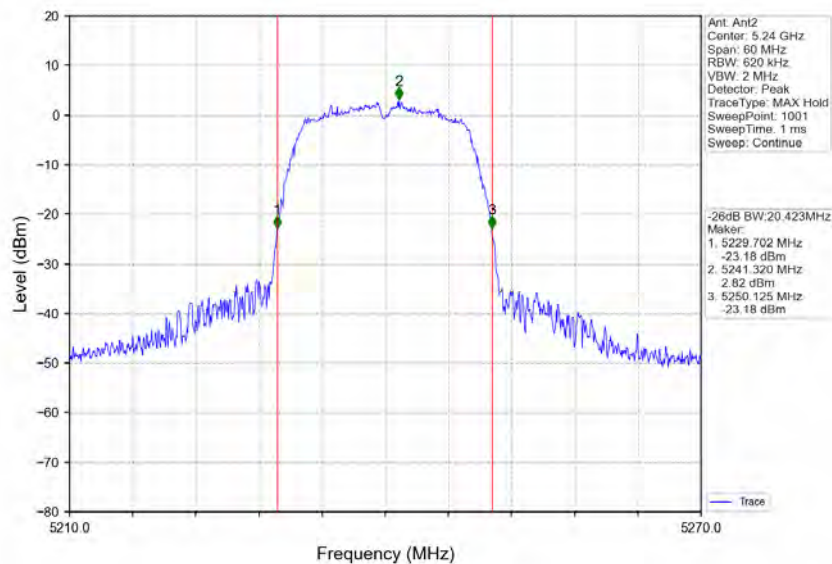
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



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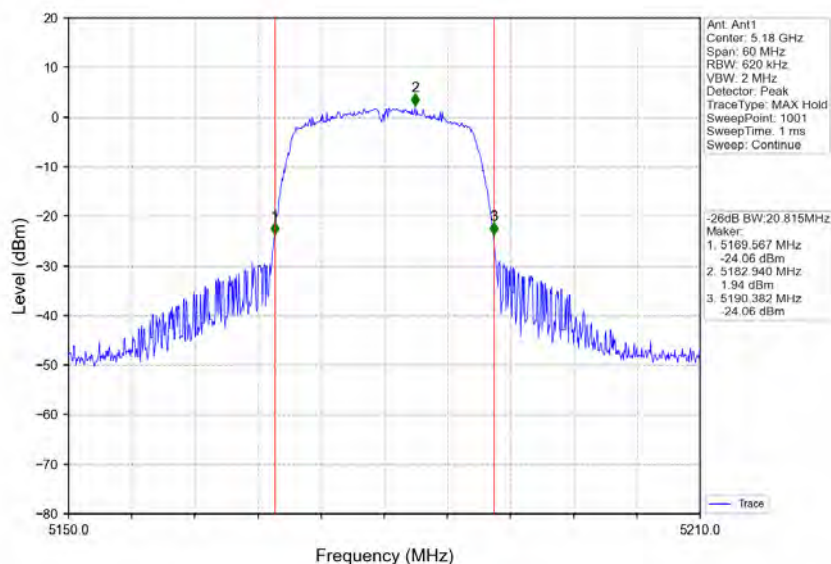
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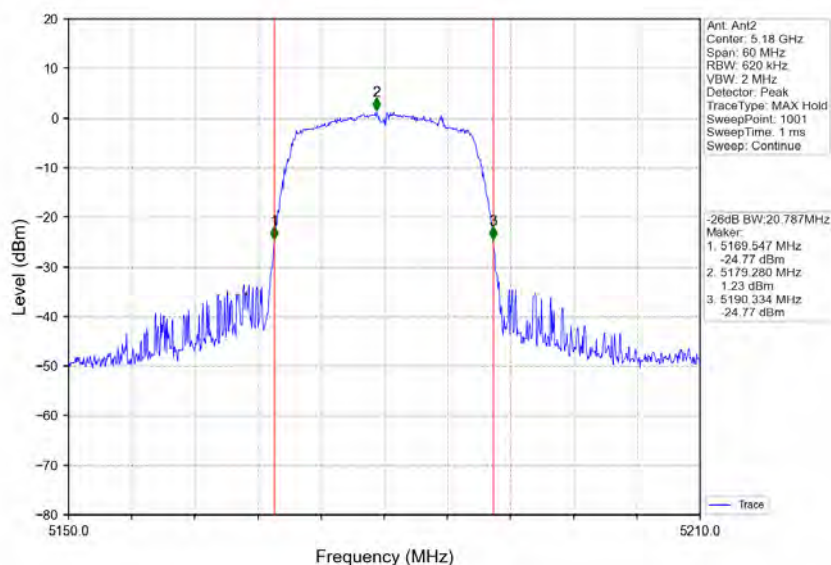
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802.11n(HT20) LCH 5180MHz Ant2 NTN



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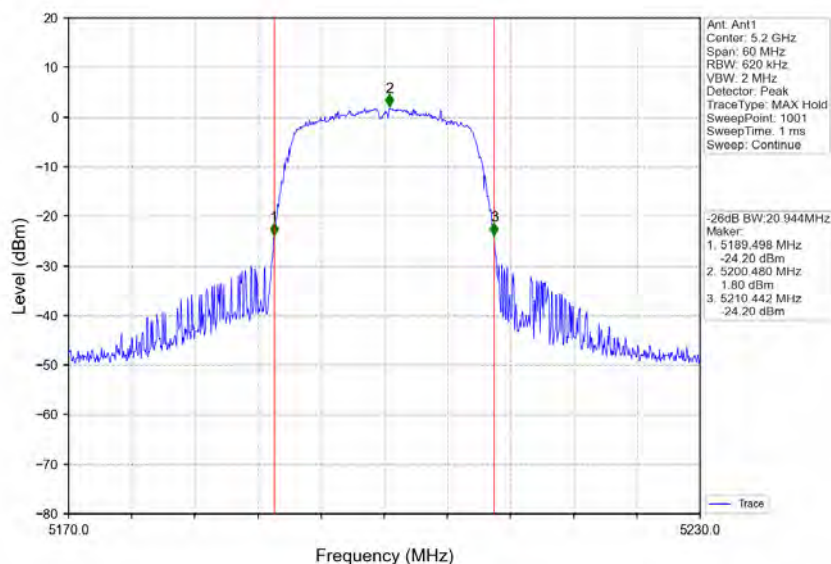
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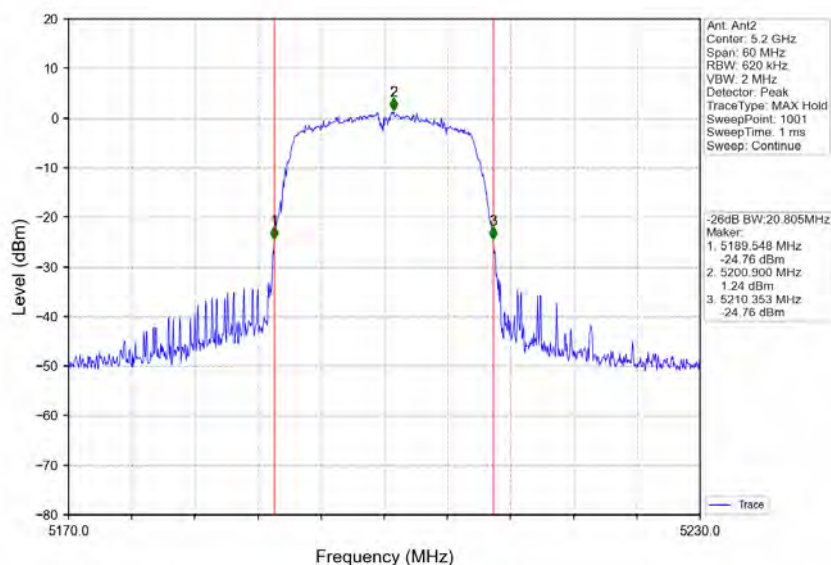
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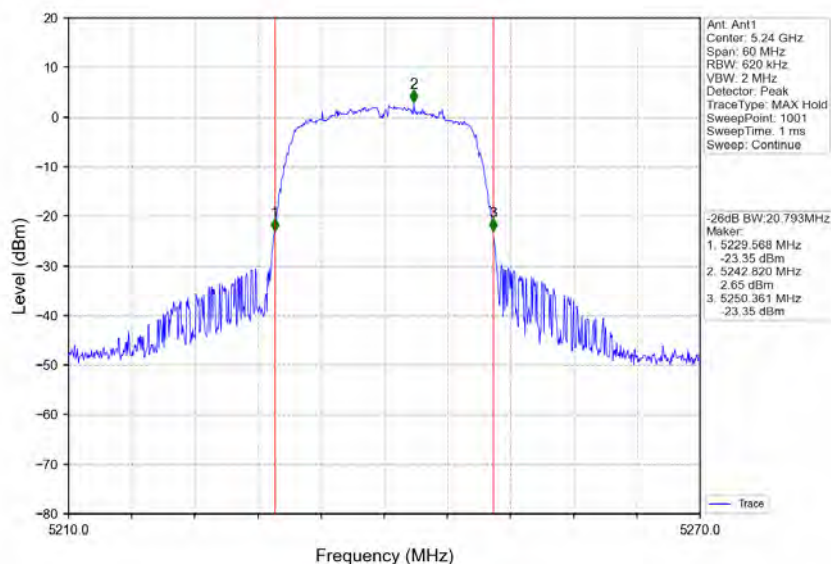
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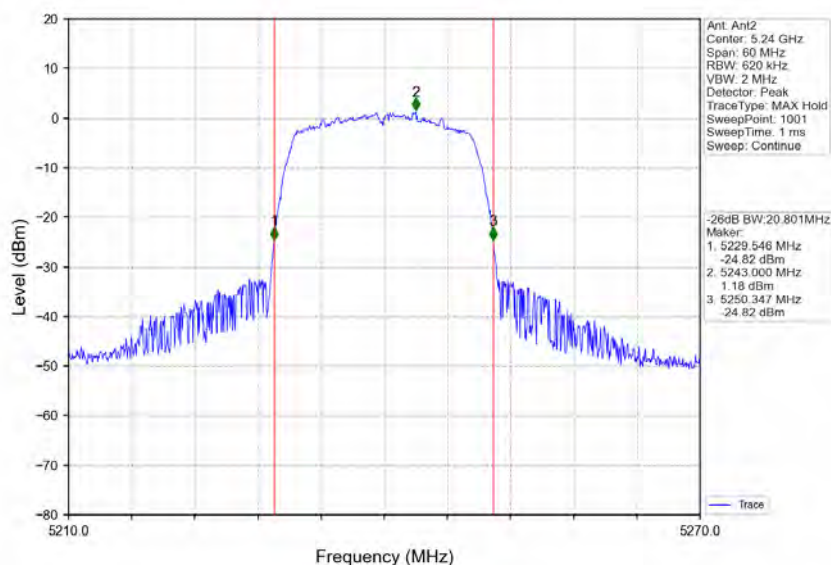
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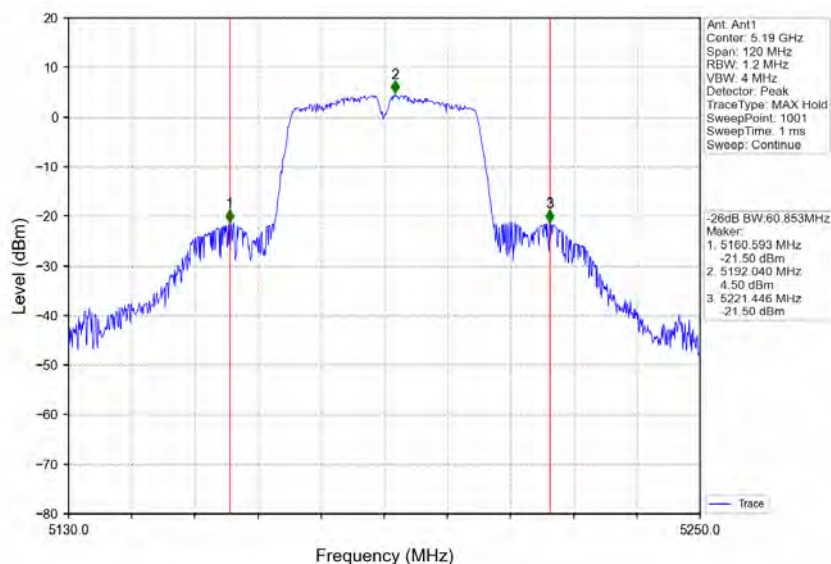
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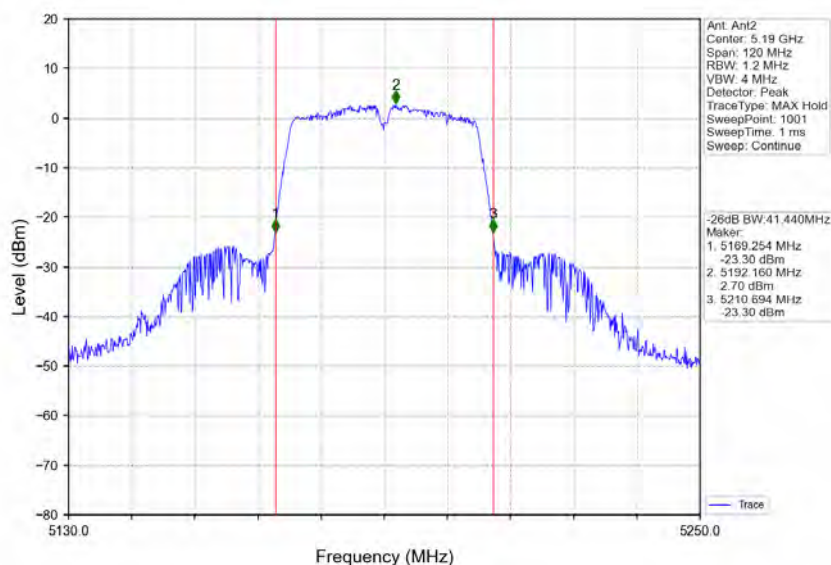
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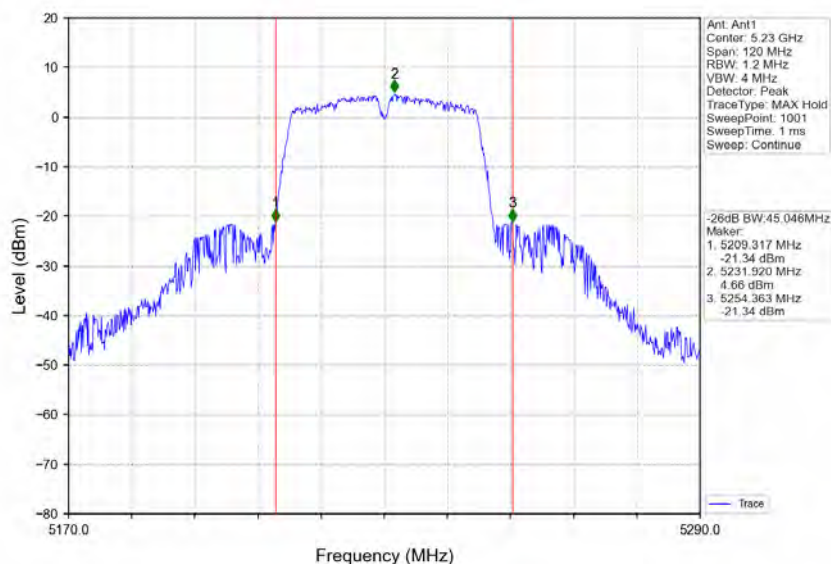
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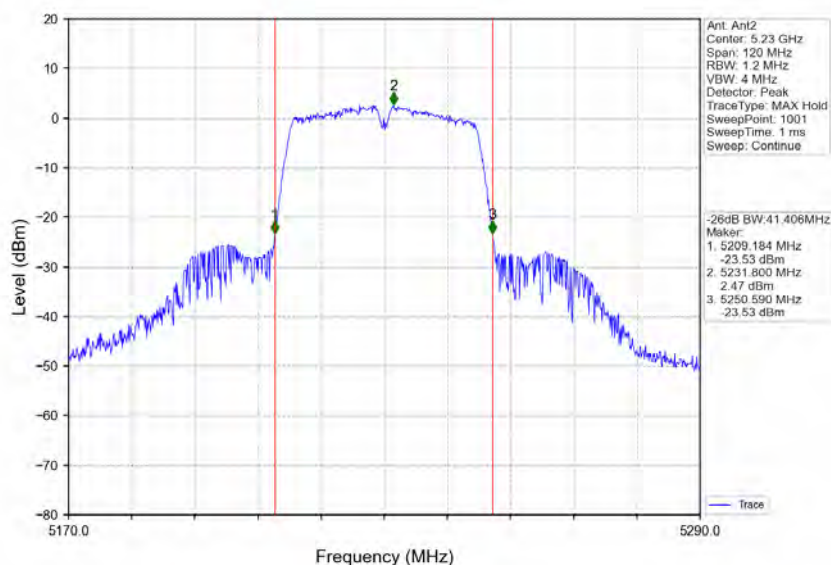
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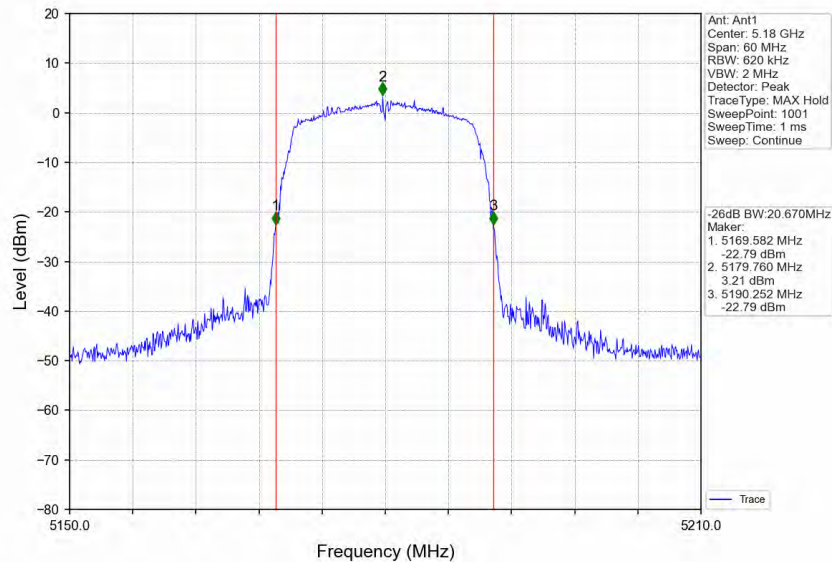
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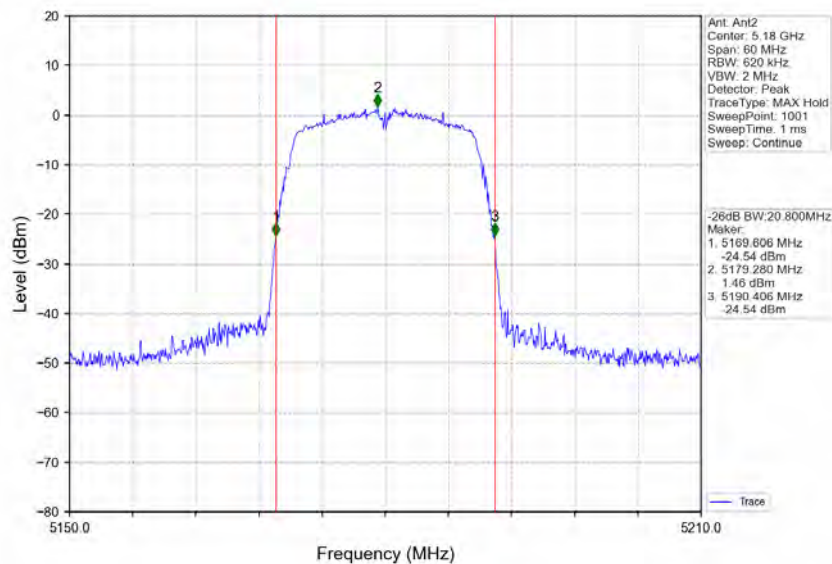
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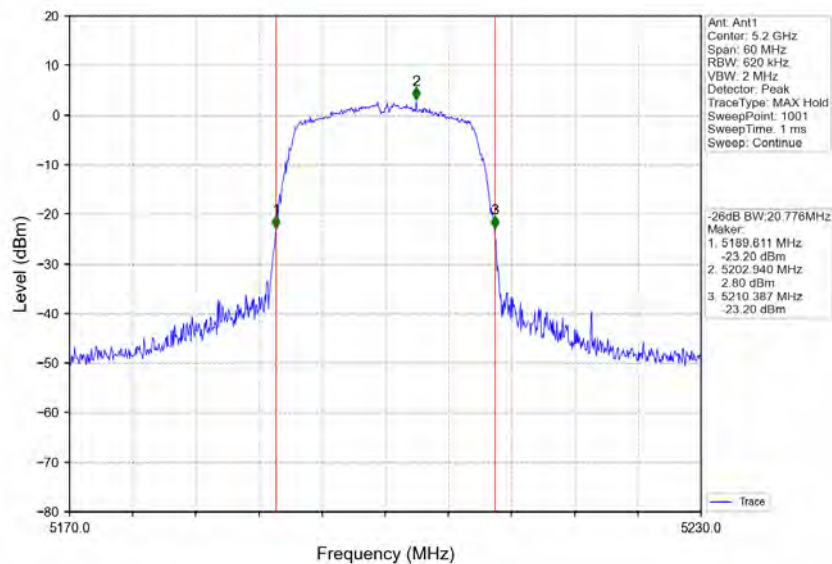
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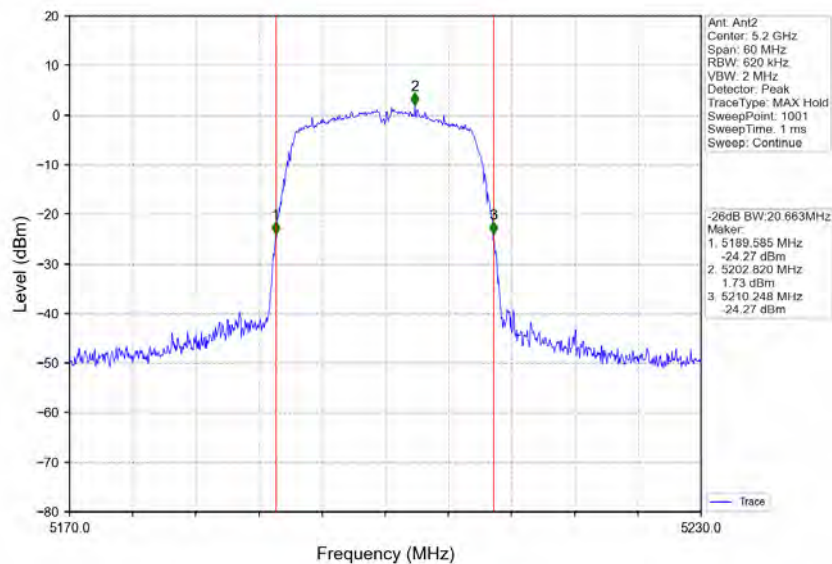
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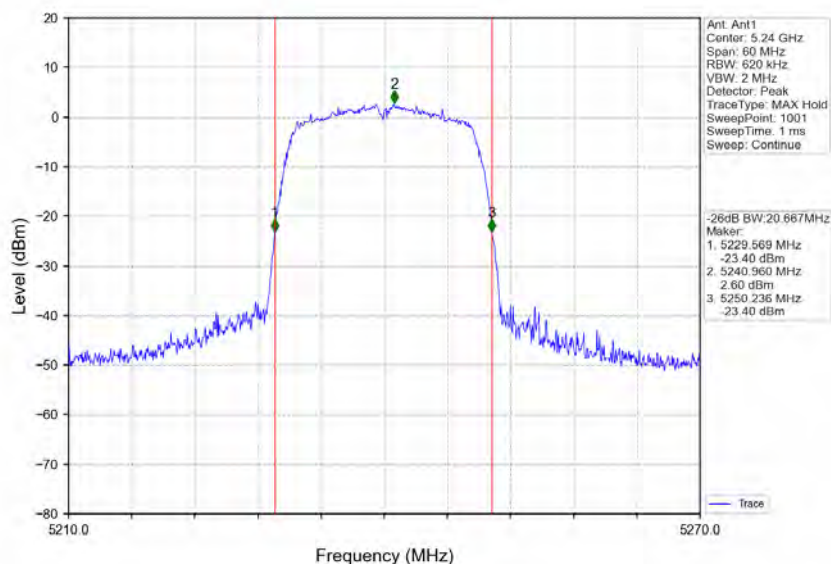
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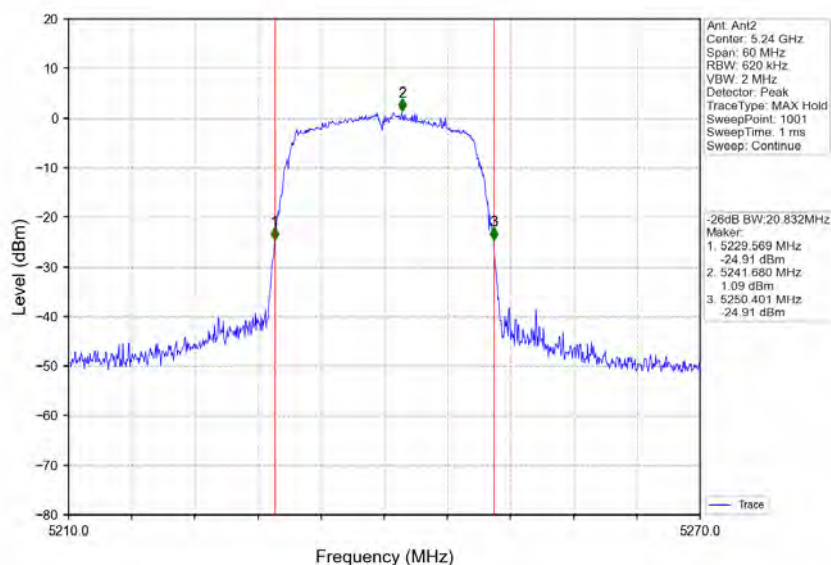
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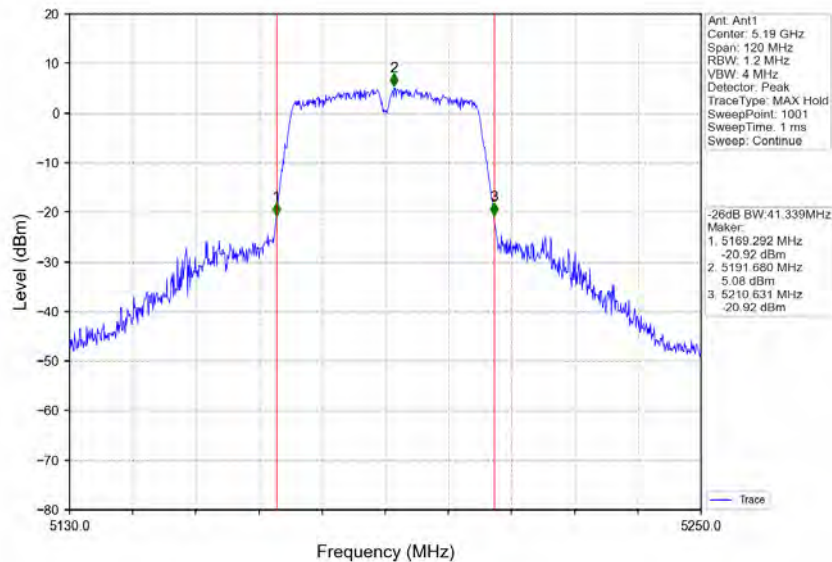
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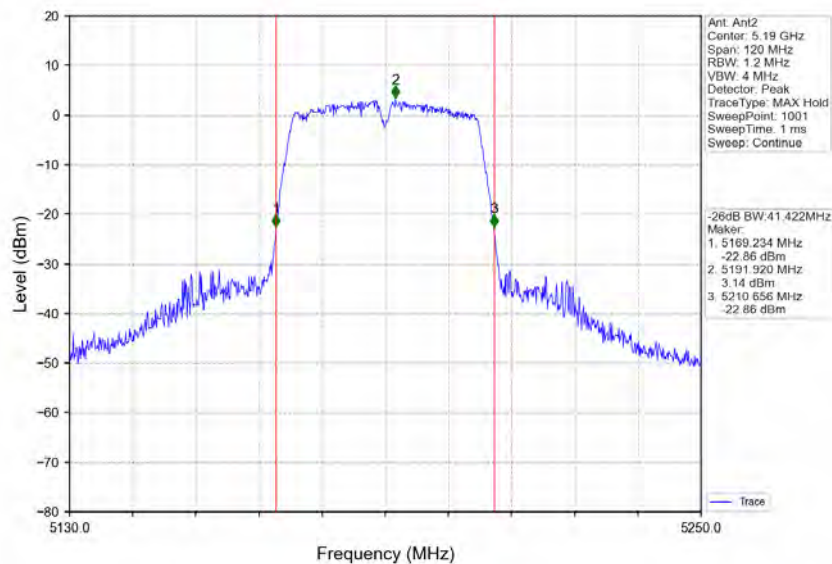
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



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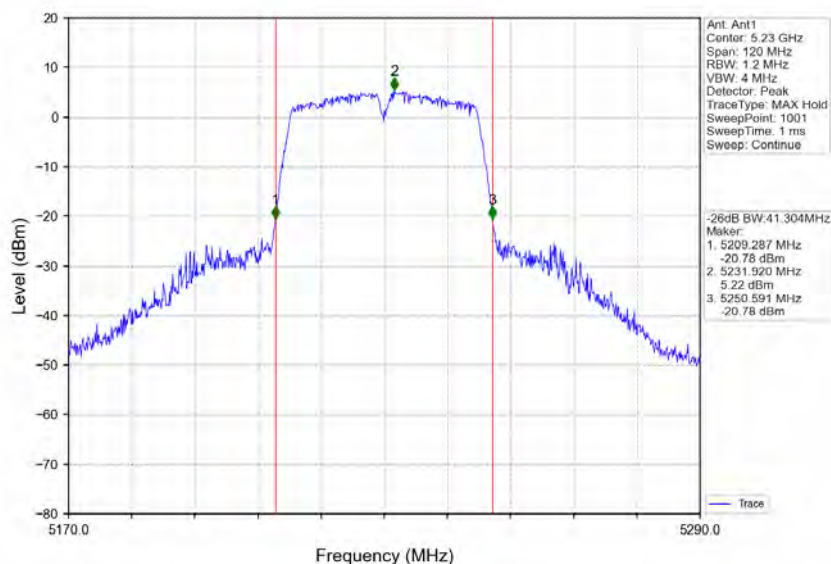
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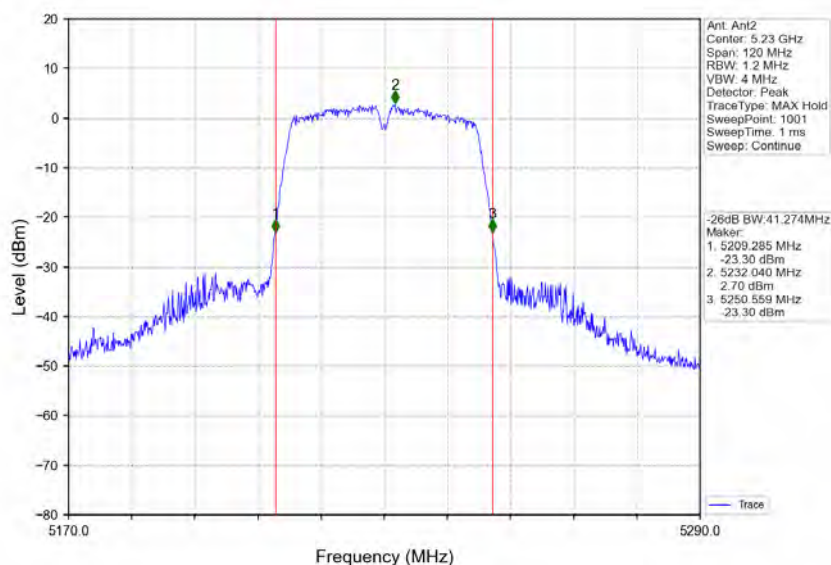
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



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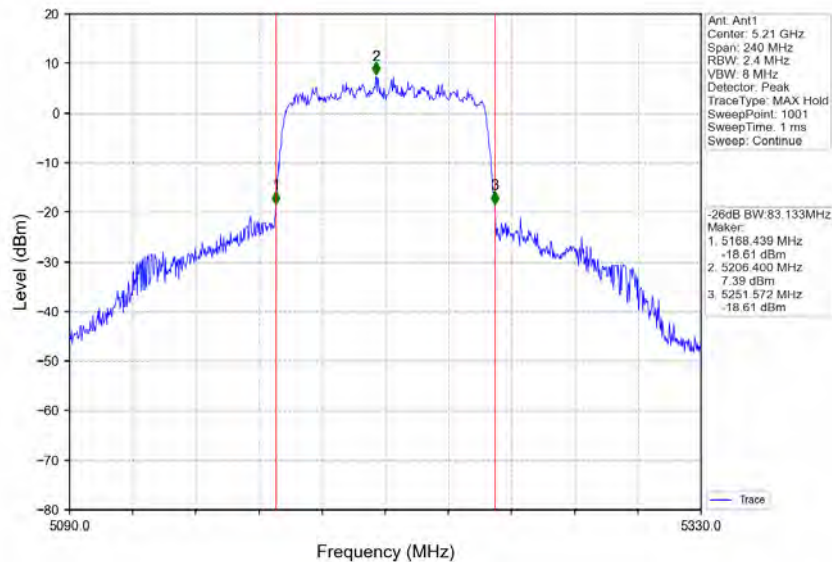
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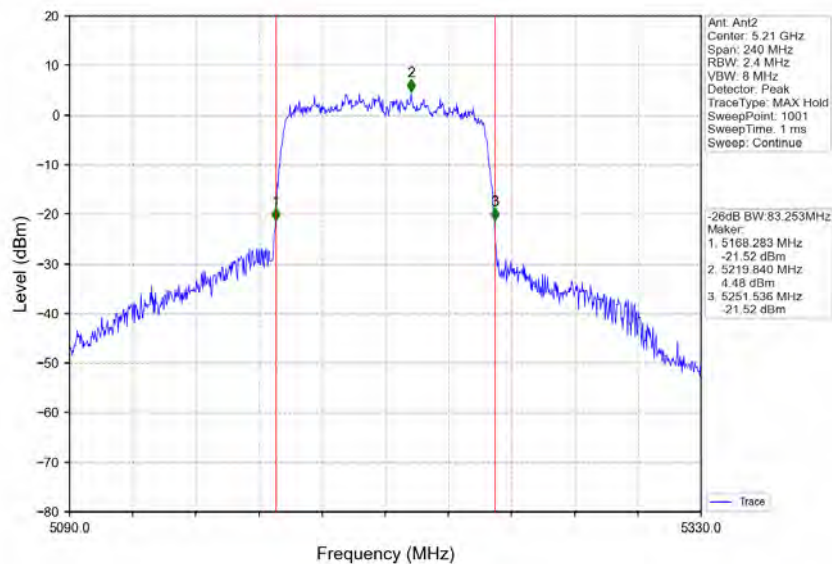
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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
802.11n (HT40)	MIMO	5190	11.35	7.93	12.98	<=23.01	Pass
		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
802.11ac (VHT20)	MIMO	5180	10.73	8.09	12.62	<=23.01	Pass
		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
802.11ac (VHT40)	MIMO	5190	11.96	8.38	13.54	<=23.01	Pass
		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
802.11ac (VHT80)	MIMO	5210	12.13	8.16	13.59	<=23.01	Pass
		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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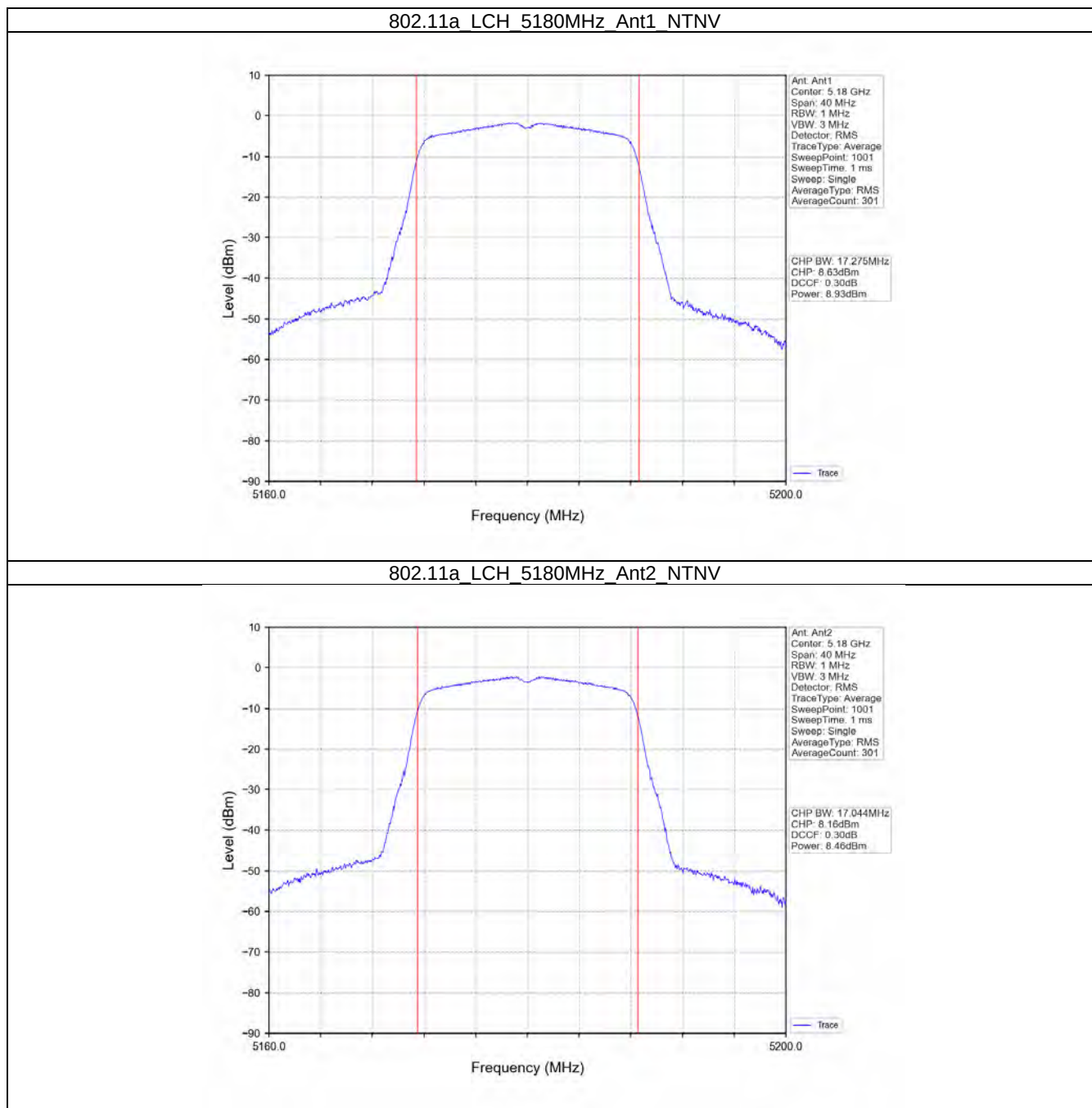
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3.1.3 Test Graph



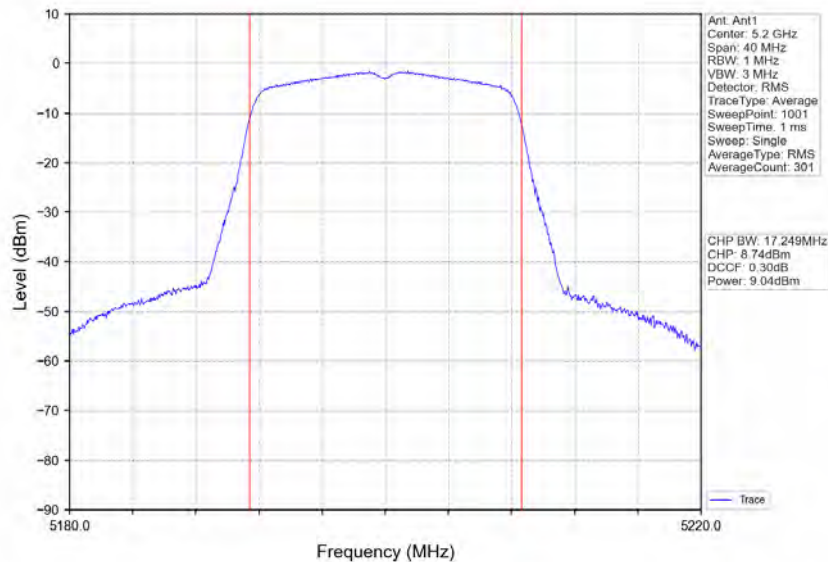
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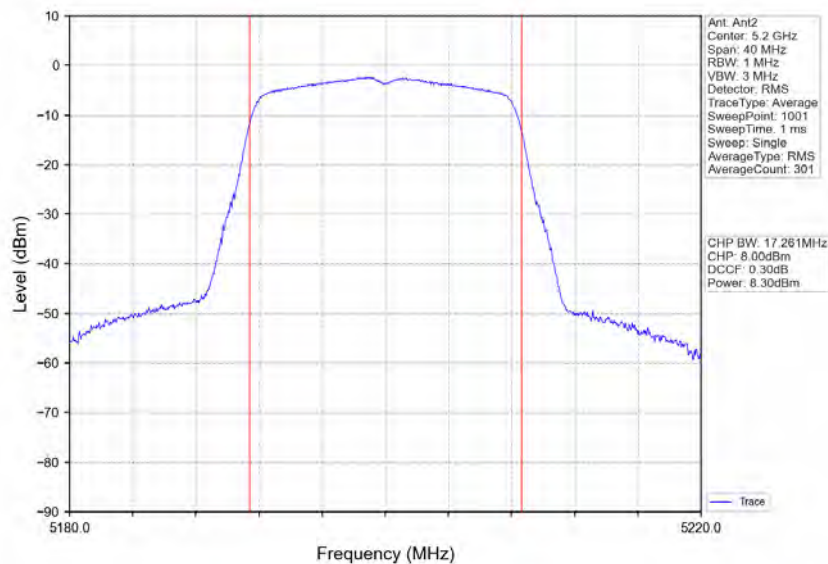
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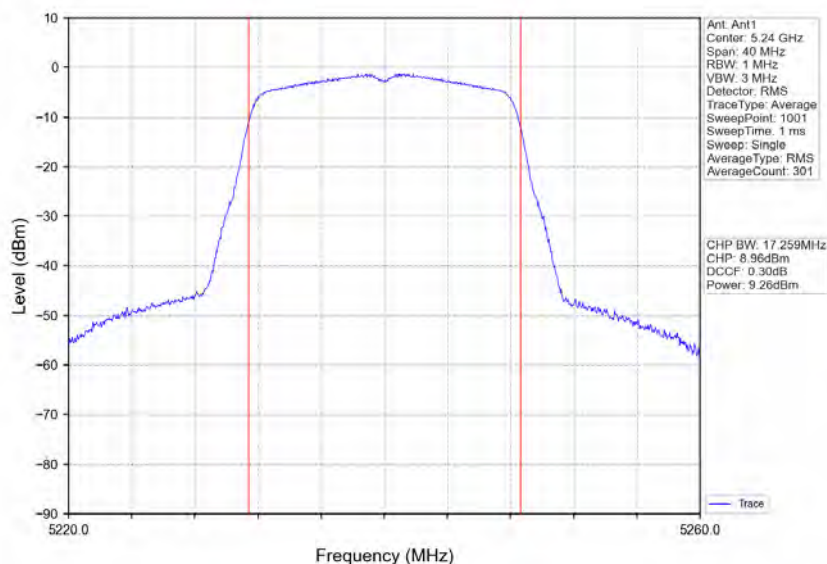
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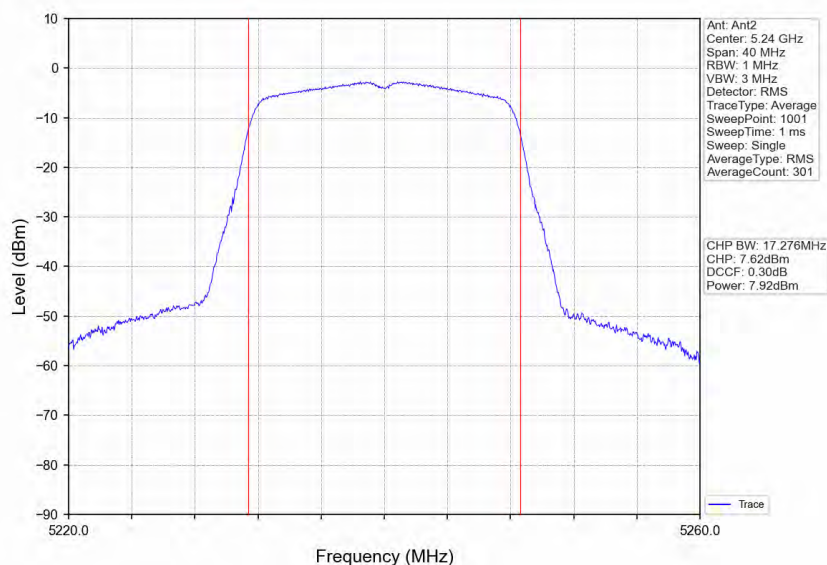
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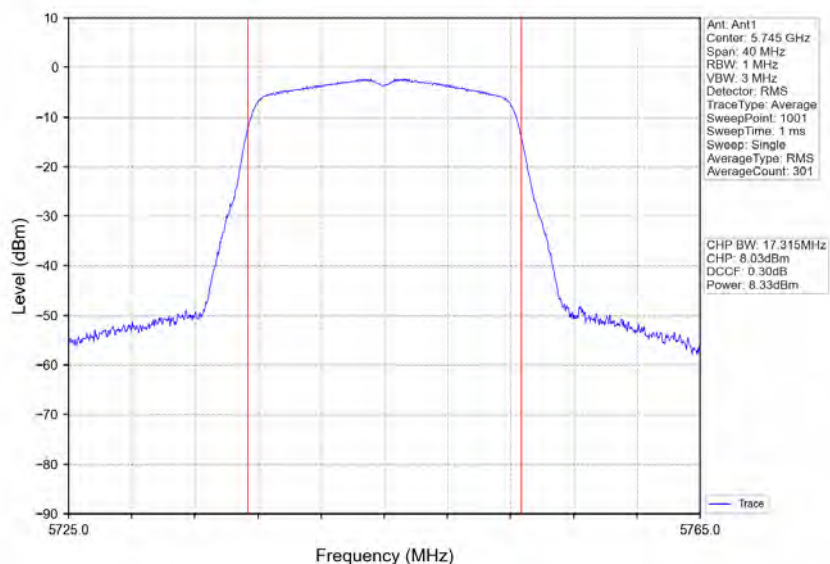
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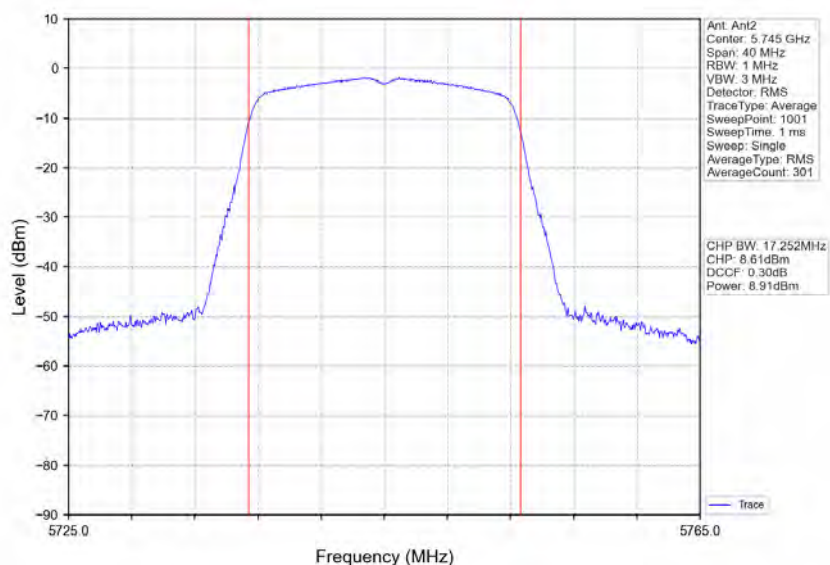
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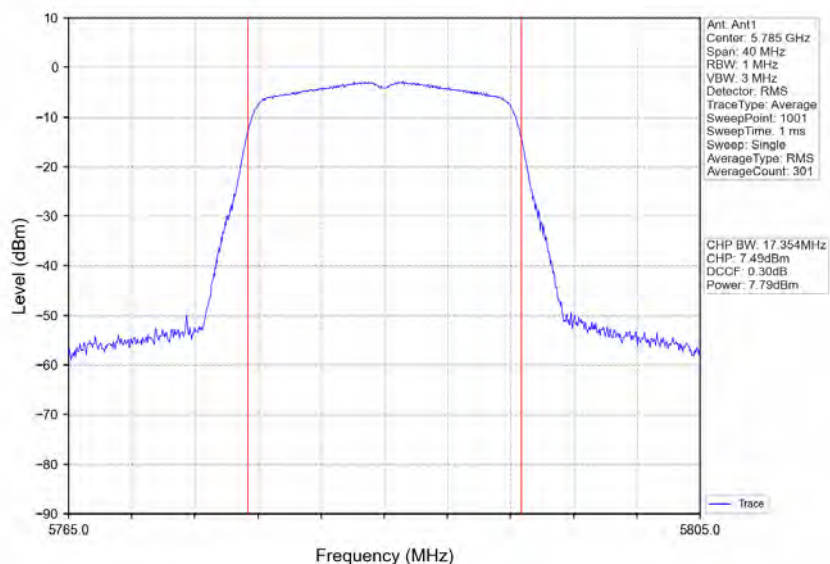
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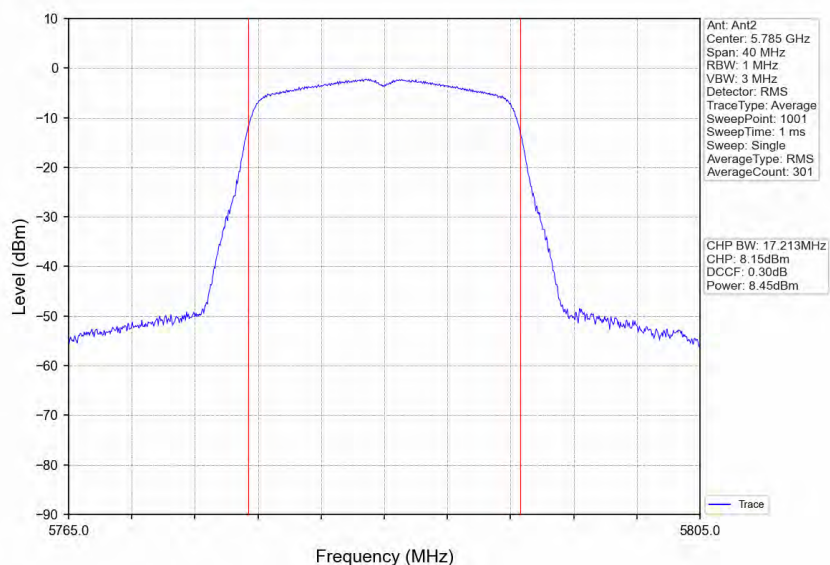
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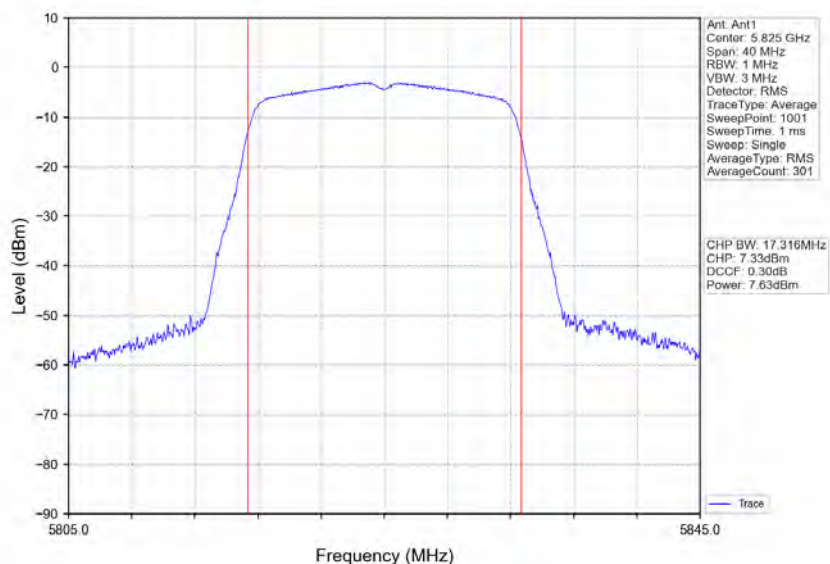
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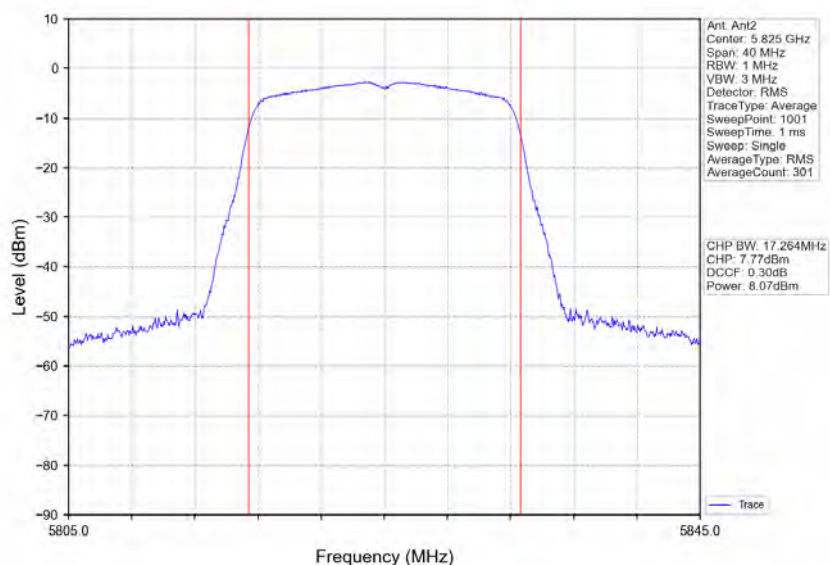
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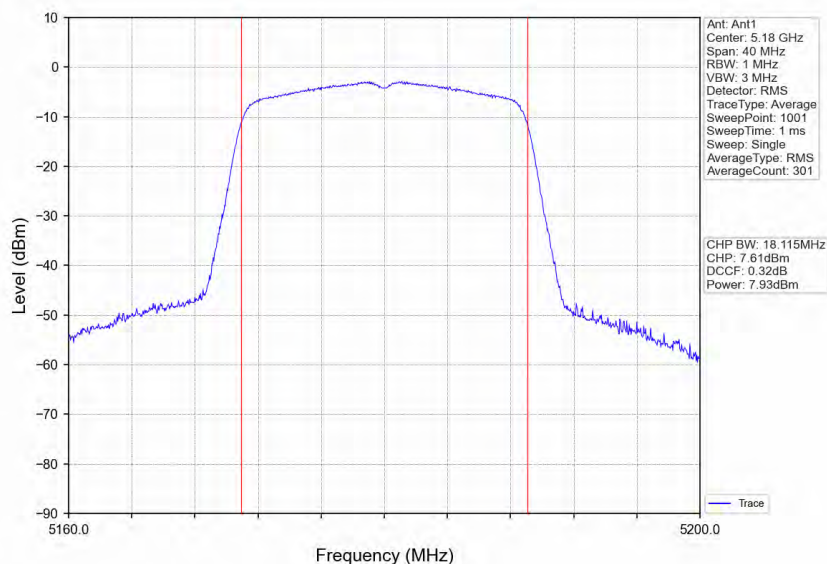
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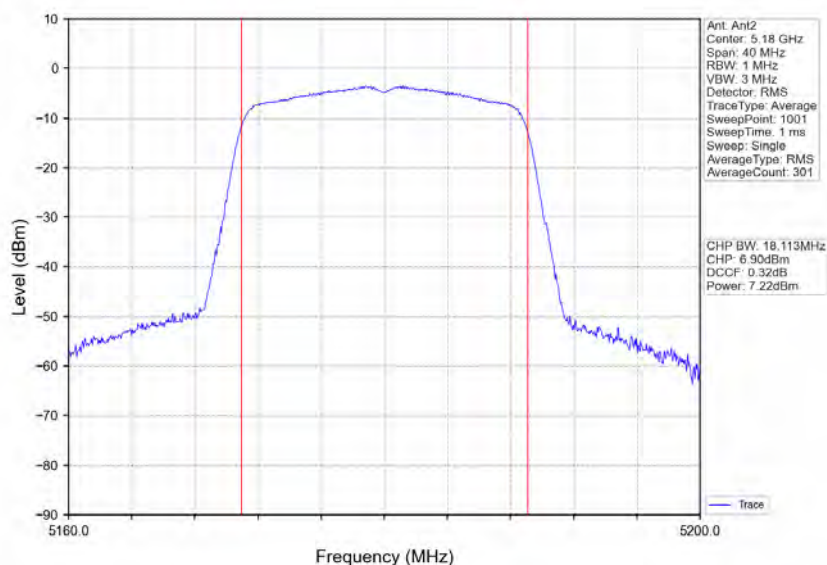
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



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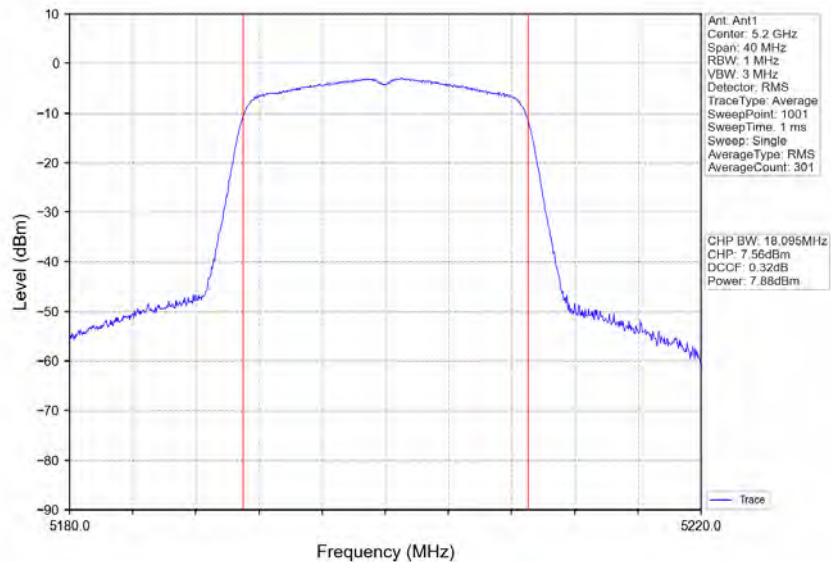
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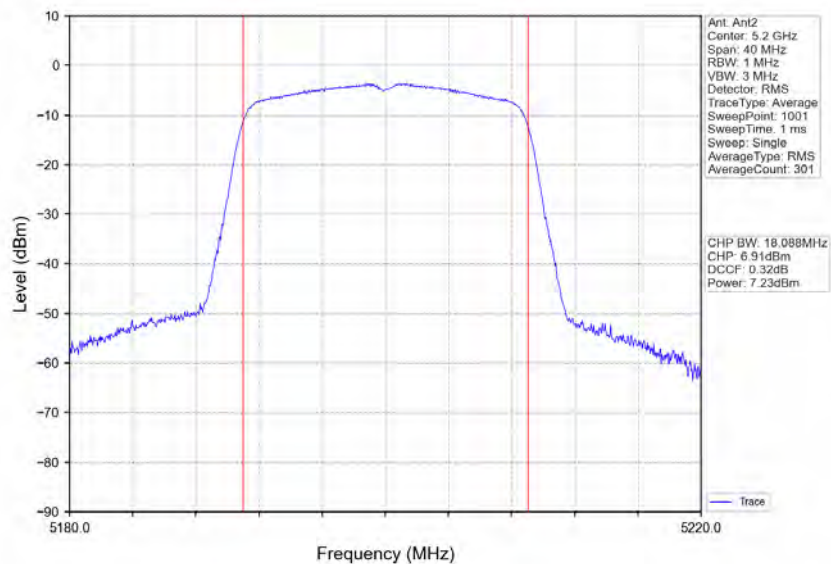
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802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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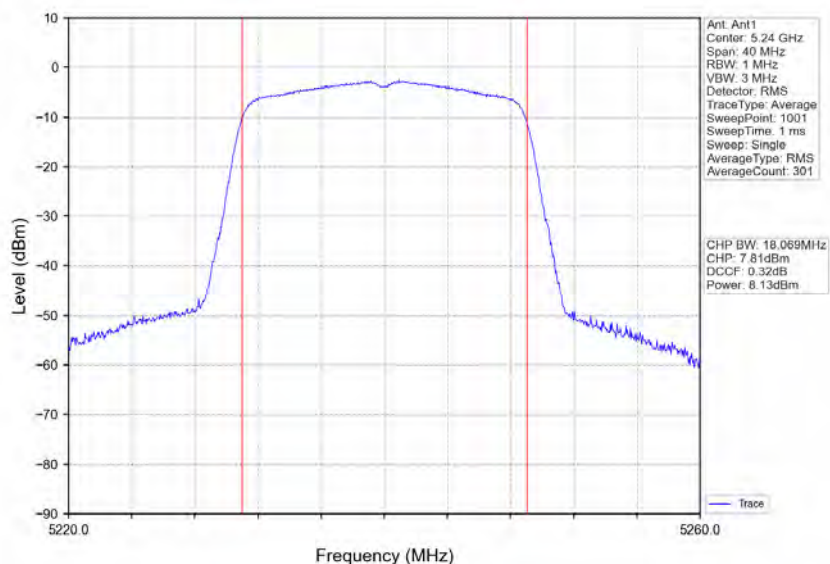
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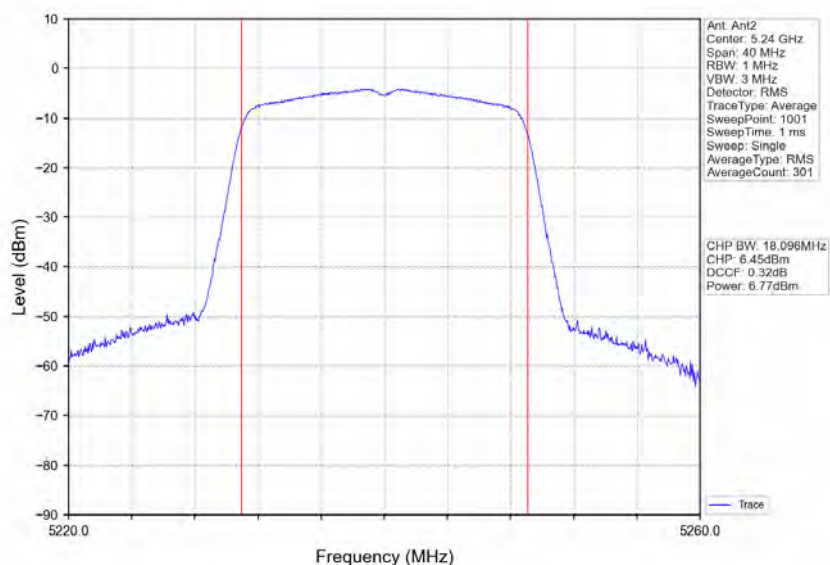
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802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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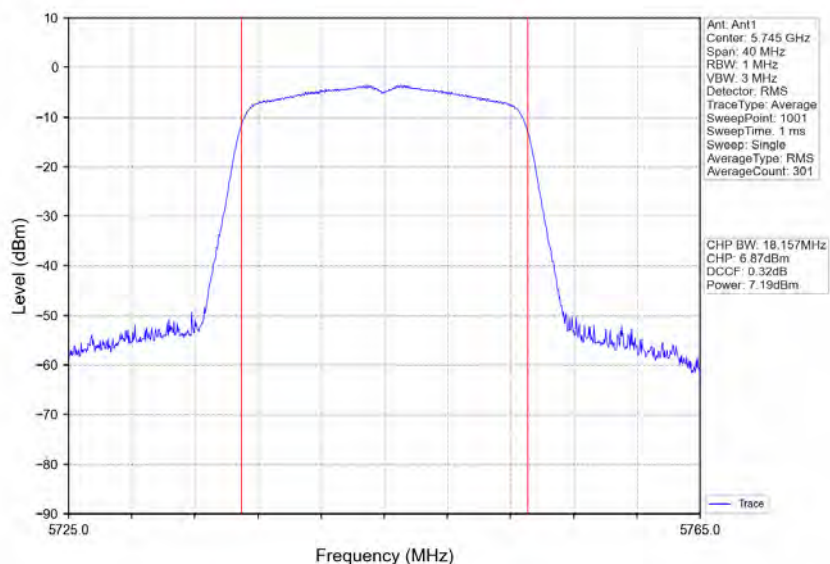
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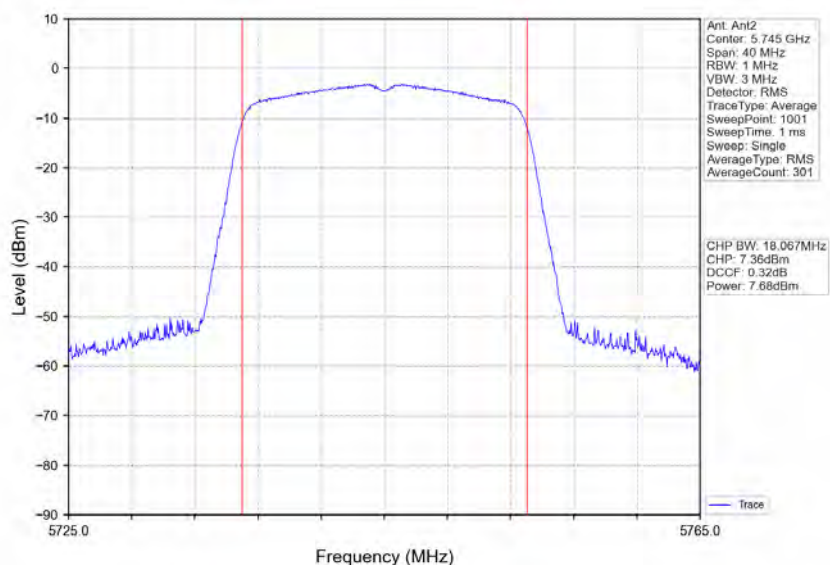
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802.11n(HT20) LCH 5745MHz Ant1 NTN



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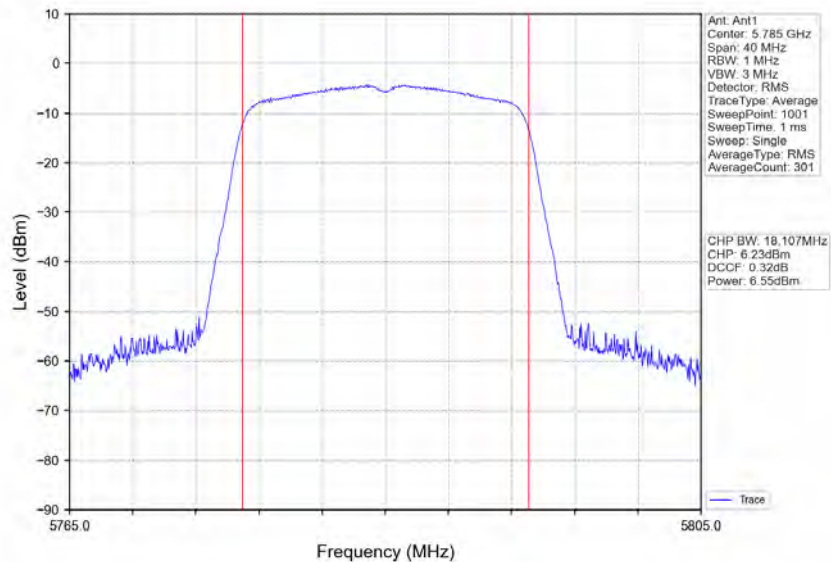
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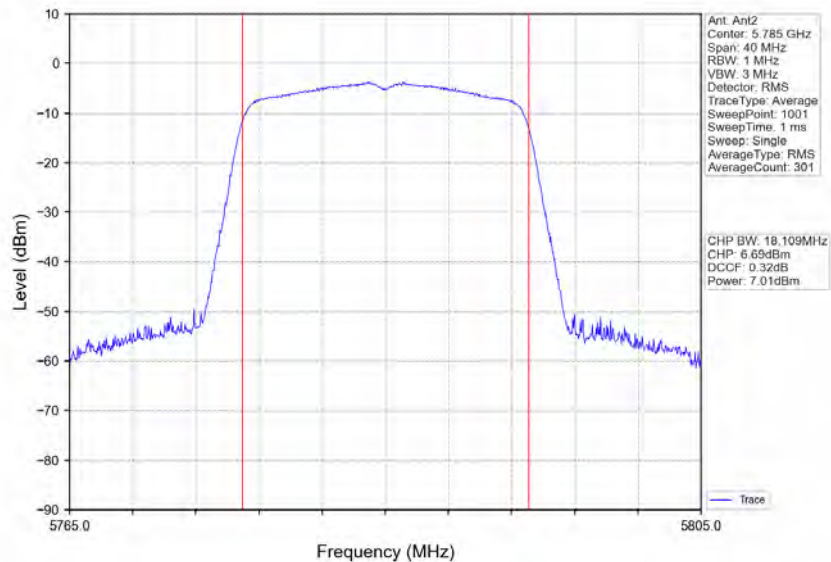
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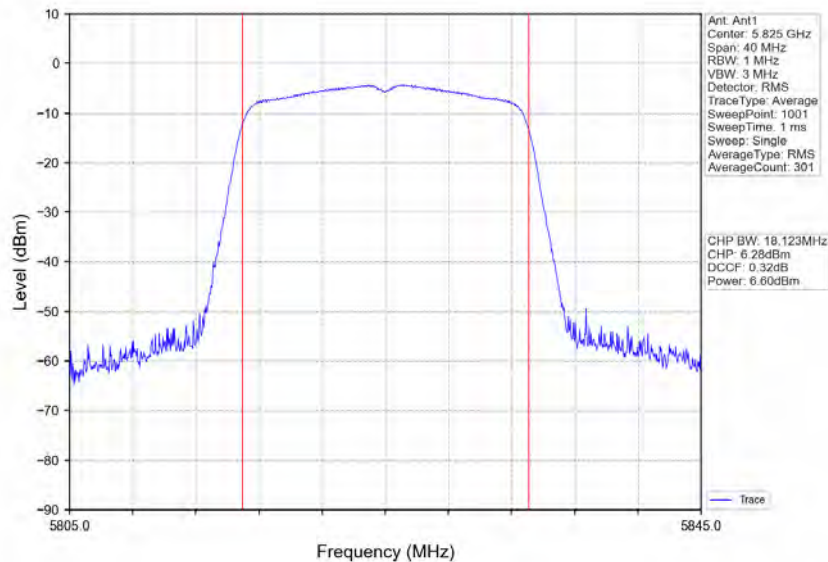
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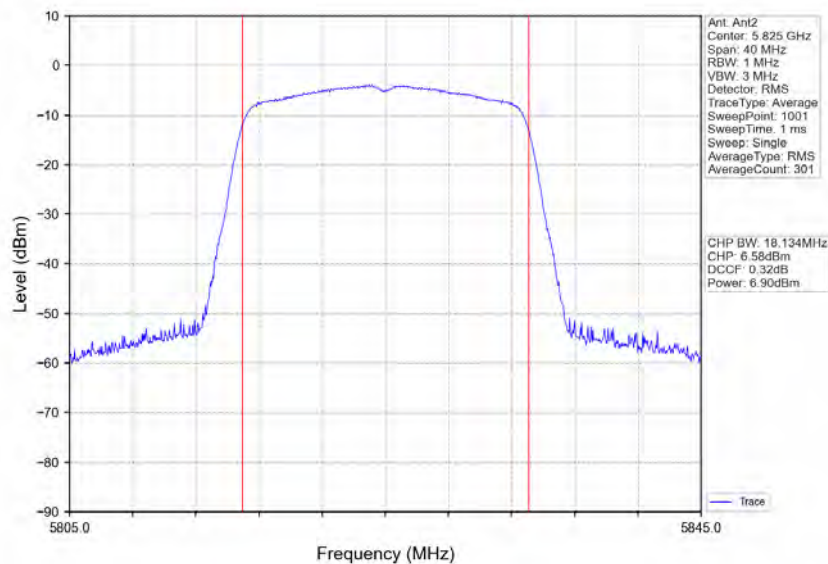
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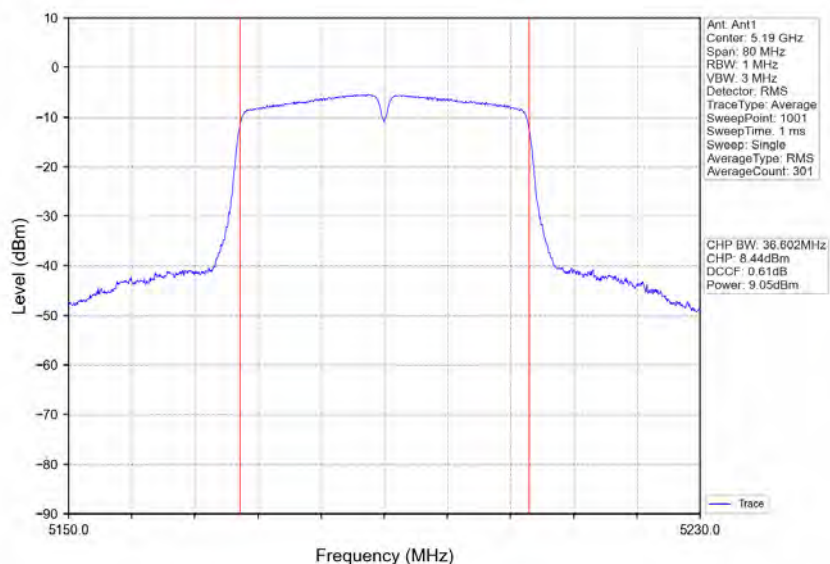
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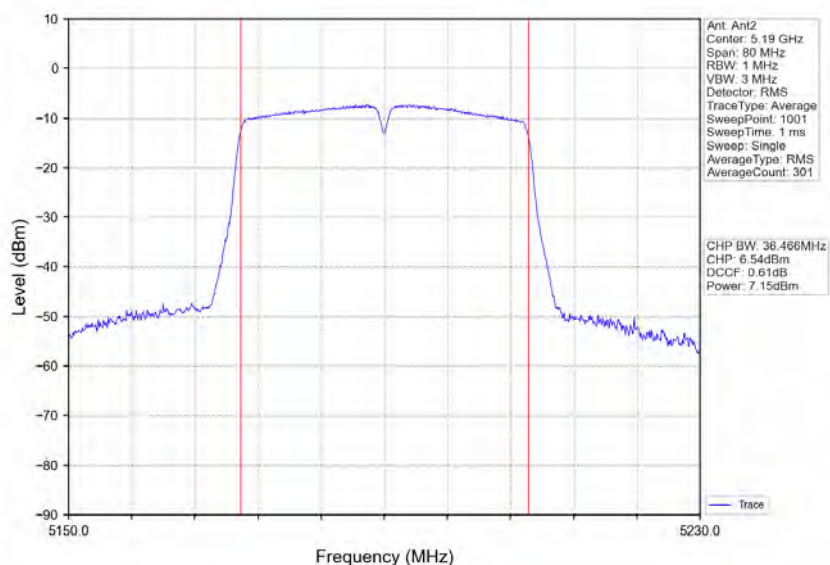
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802.11n(HT40) LCH 5190MHz Ant1 NTN



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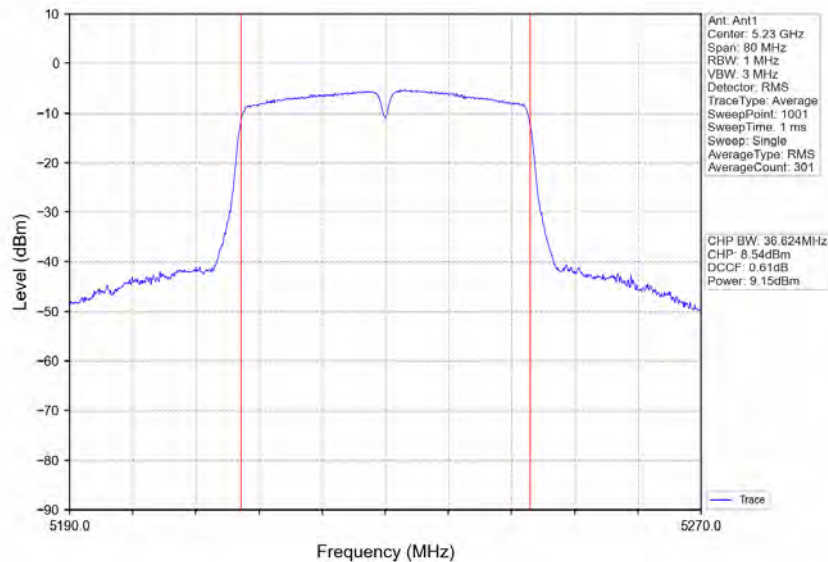
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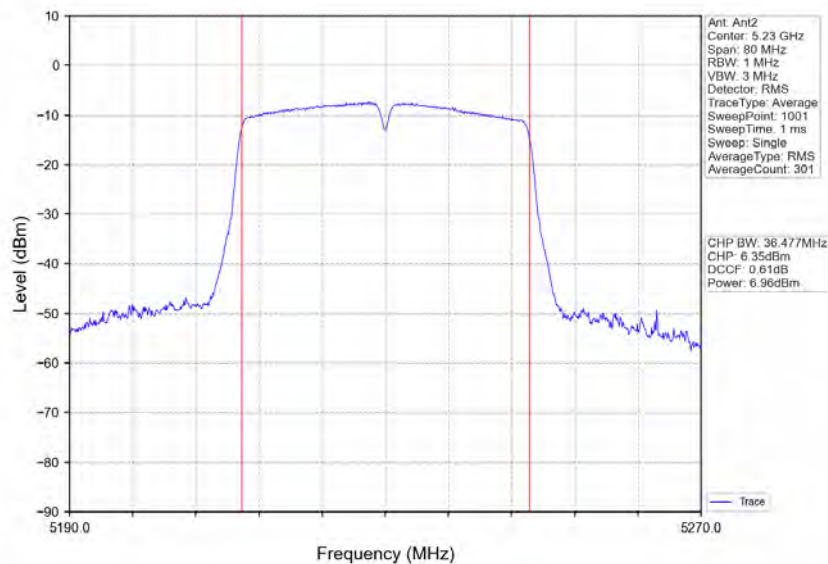
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802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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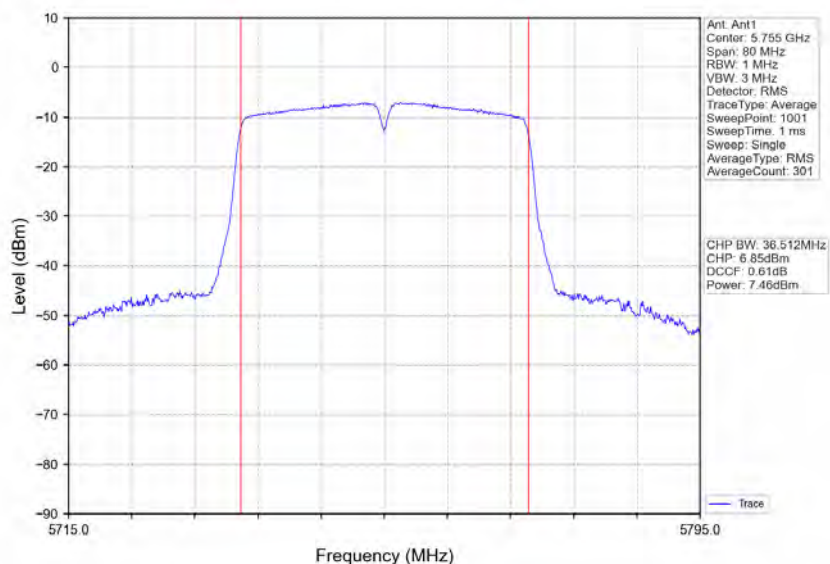
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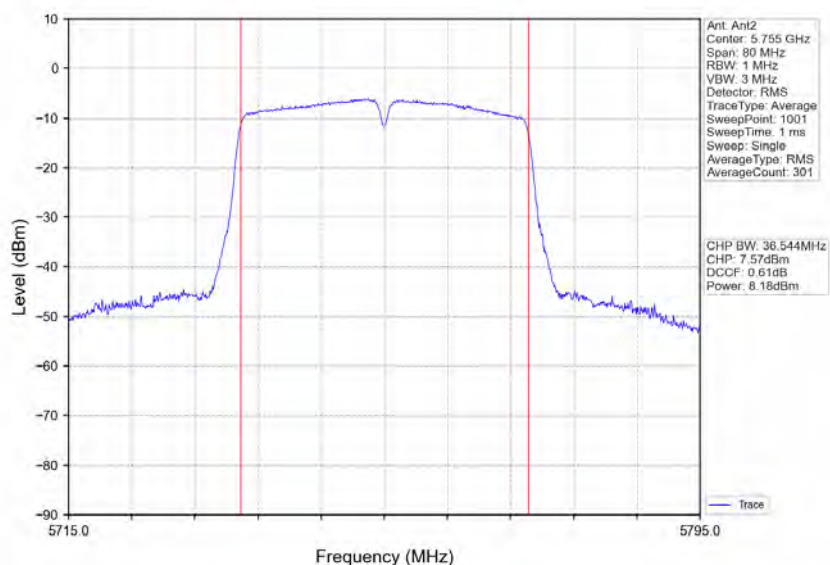
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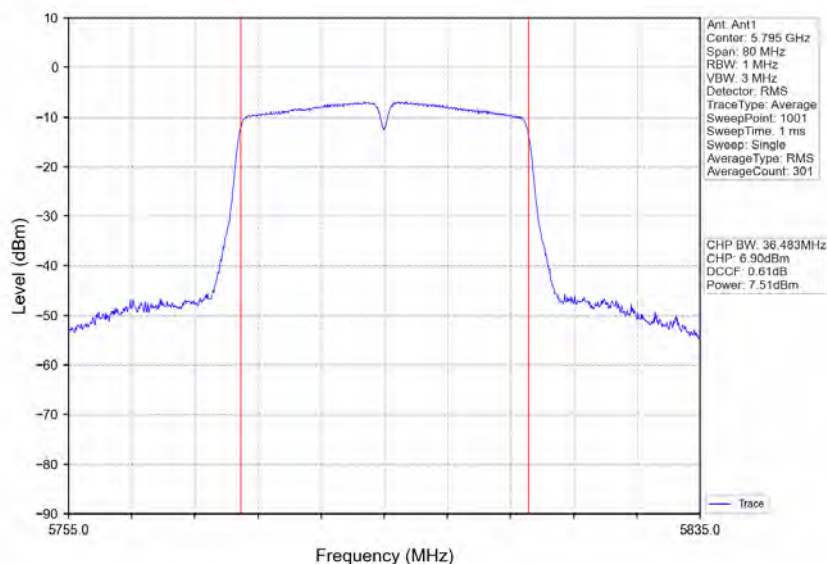
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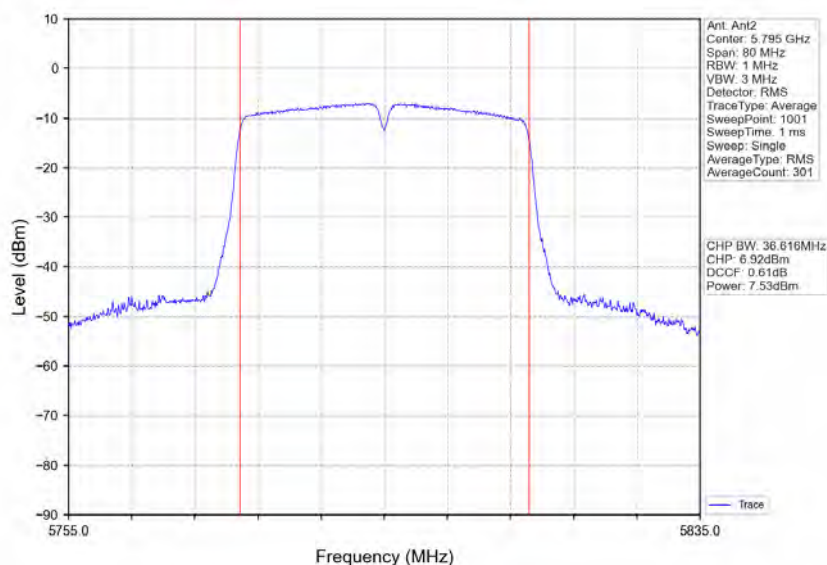
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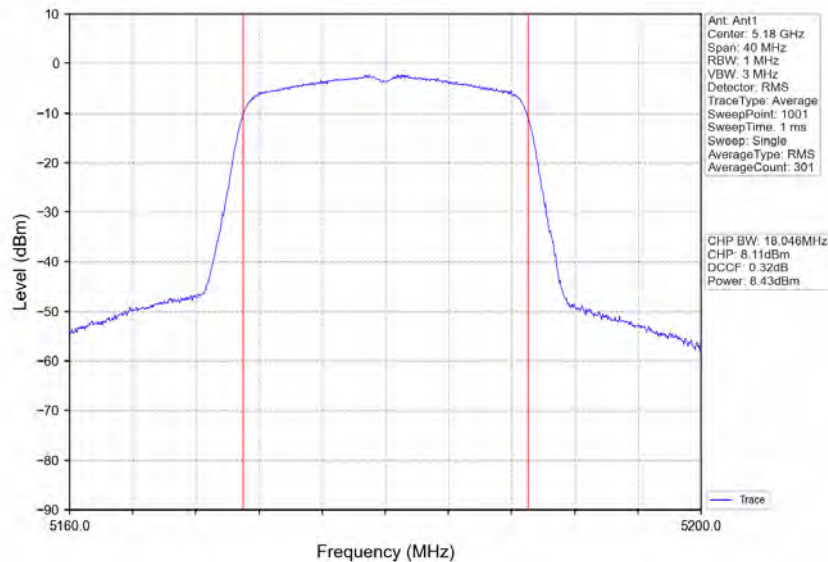
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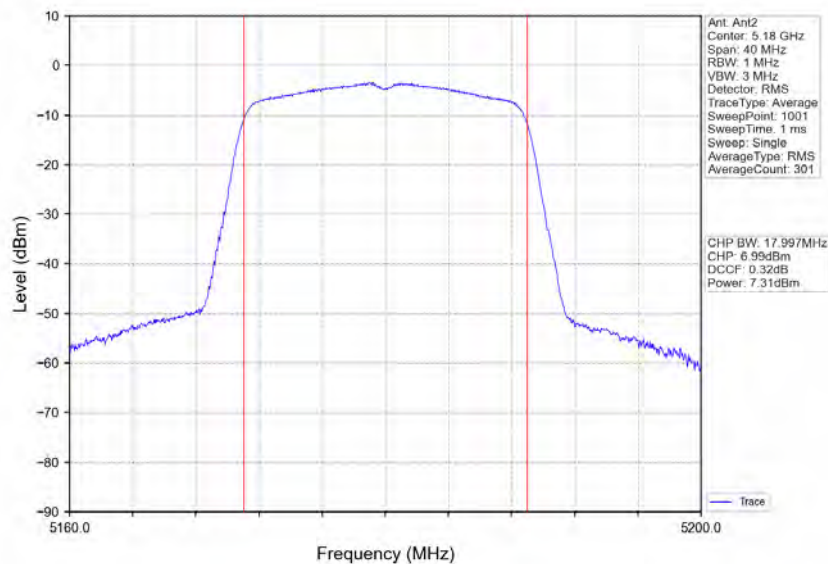
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



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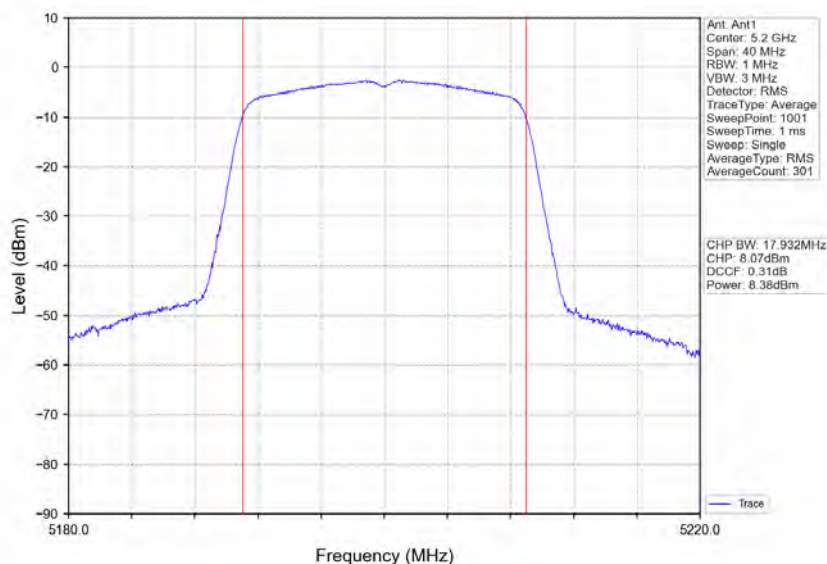
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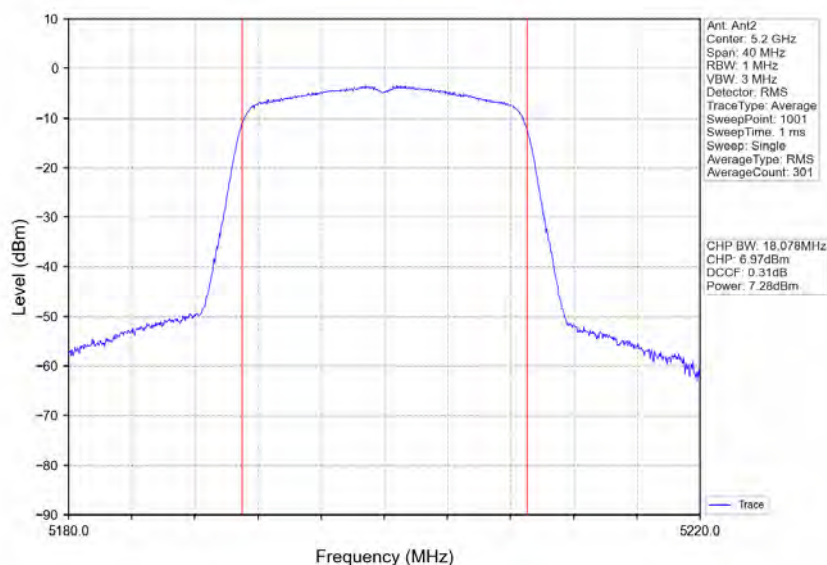
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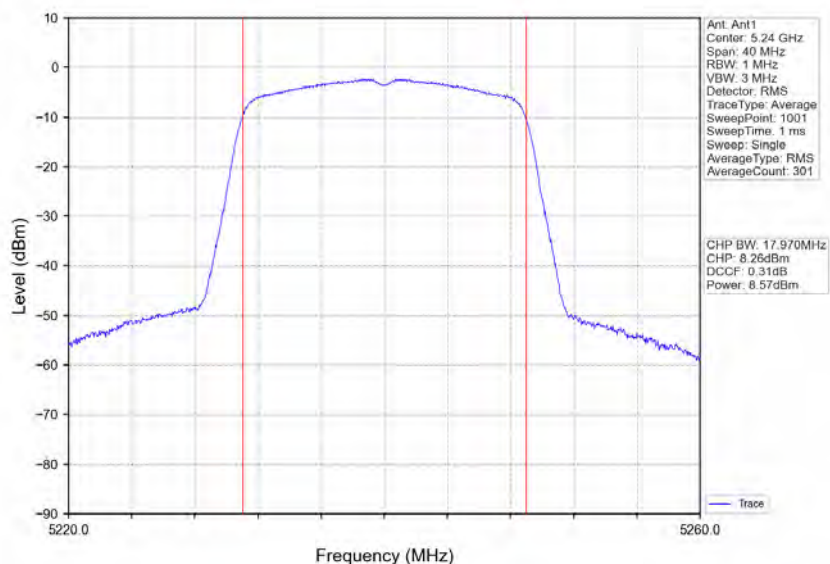
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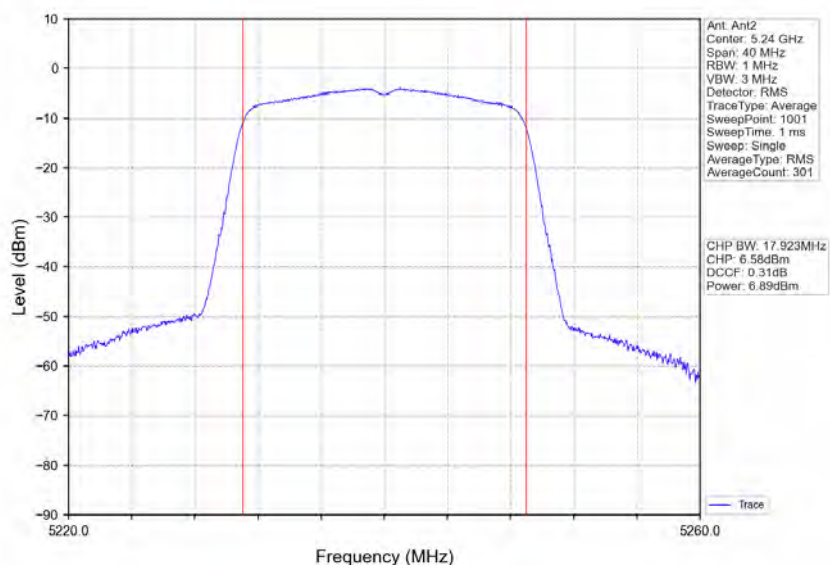
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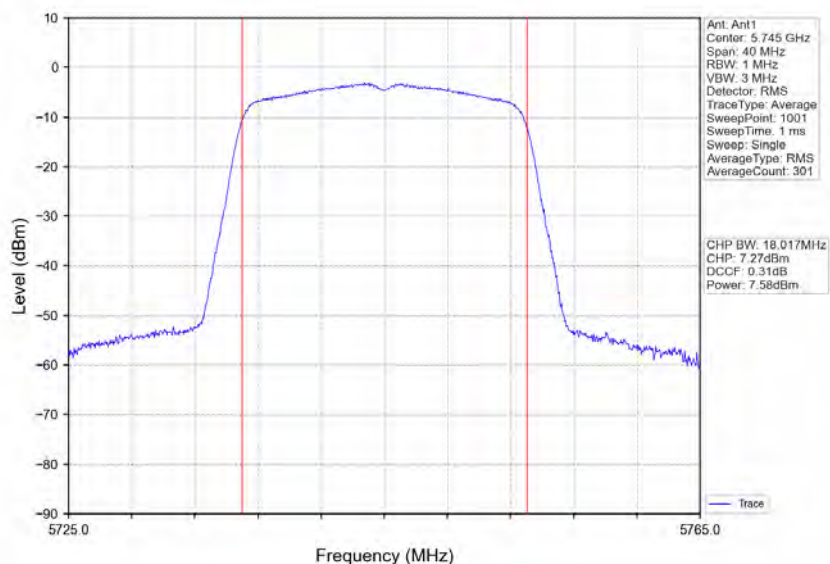
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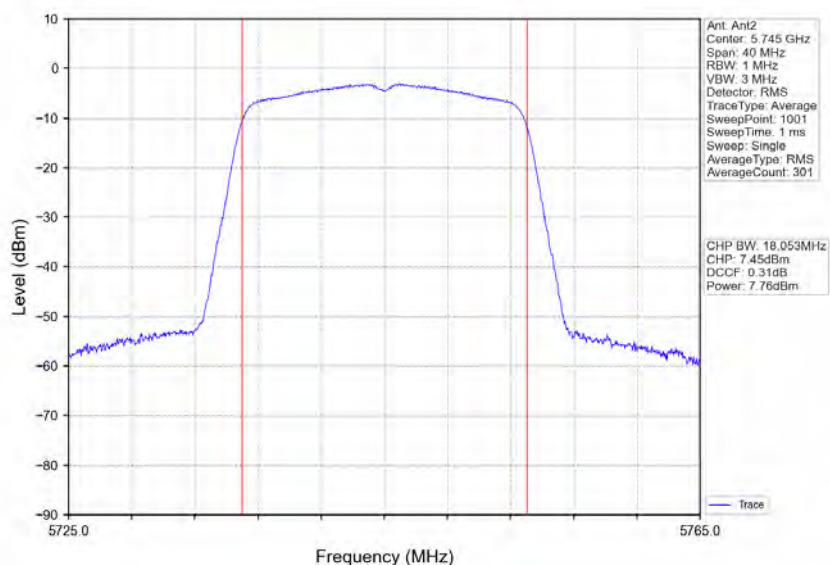
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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



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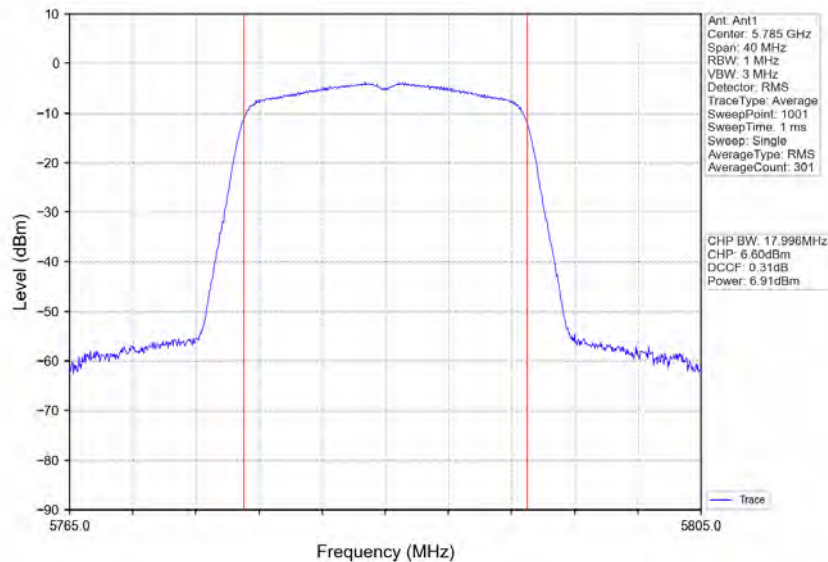
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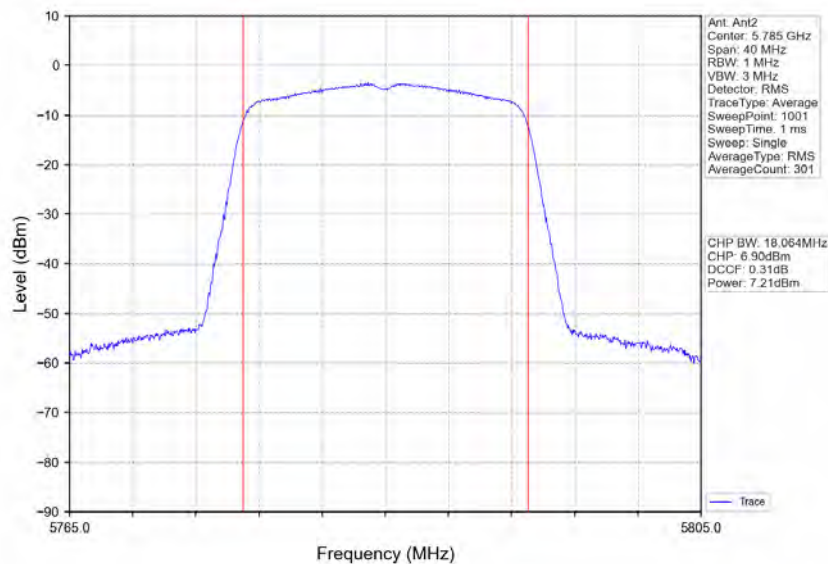
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802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



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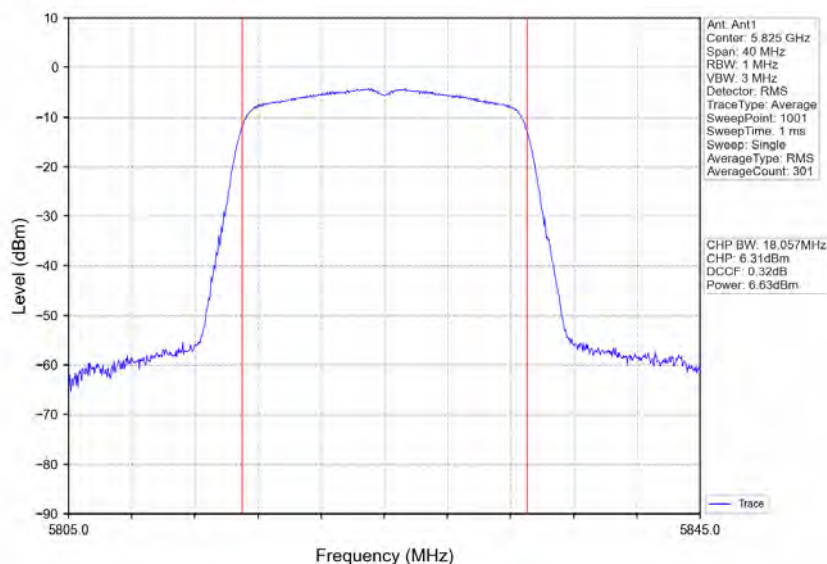
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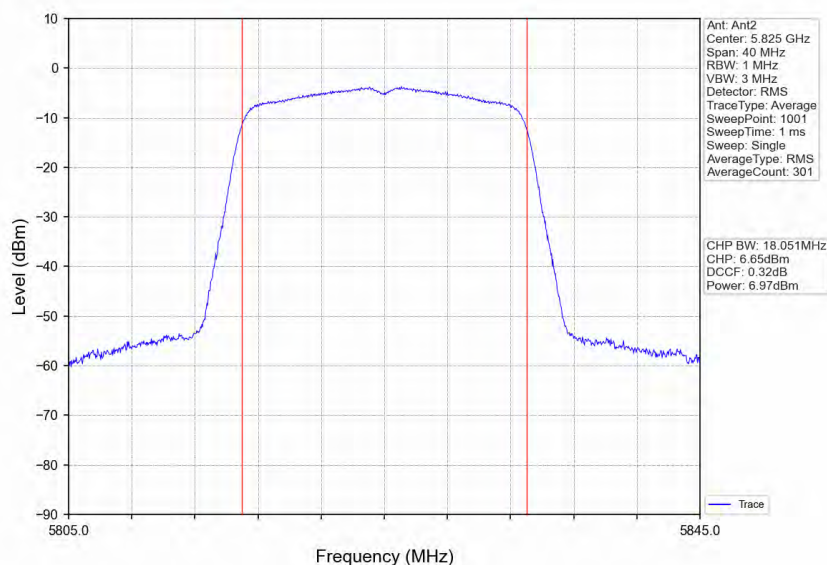
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802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



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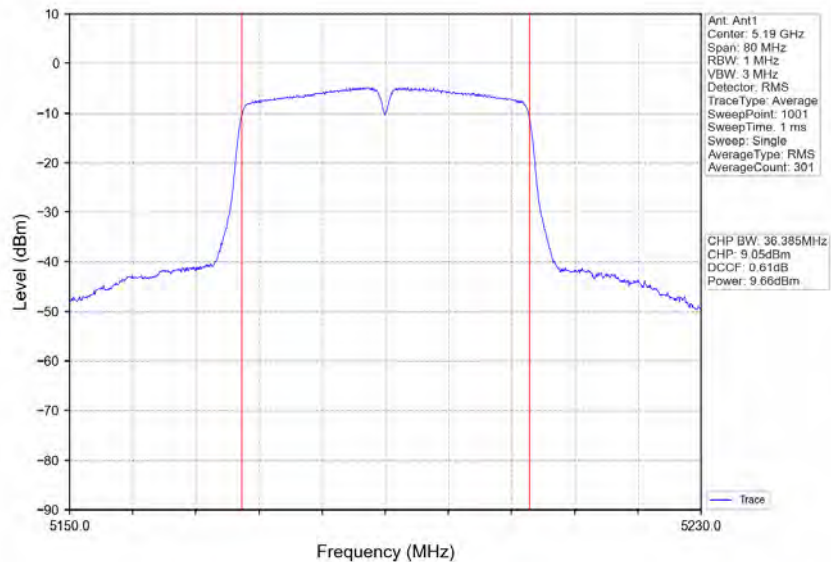
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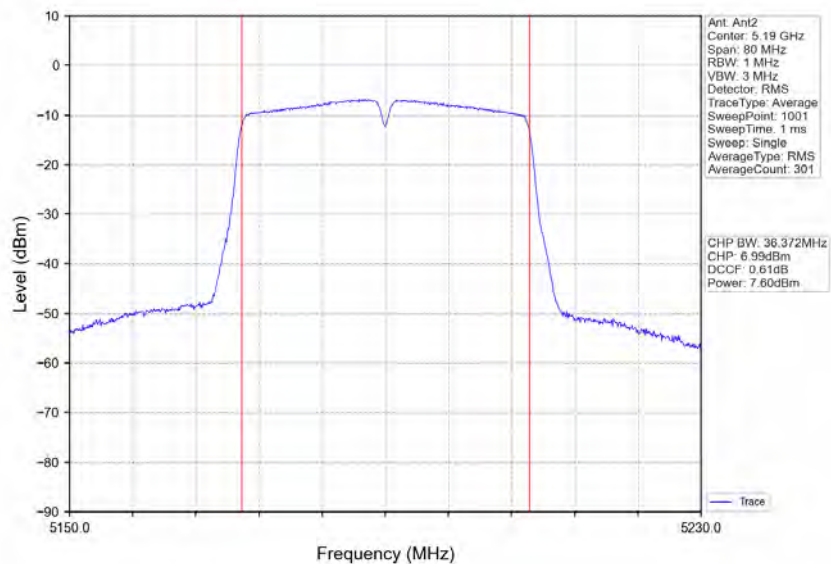
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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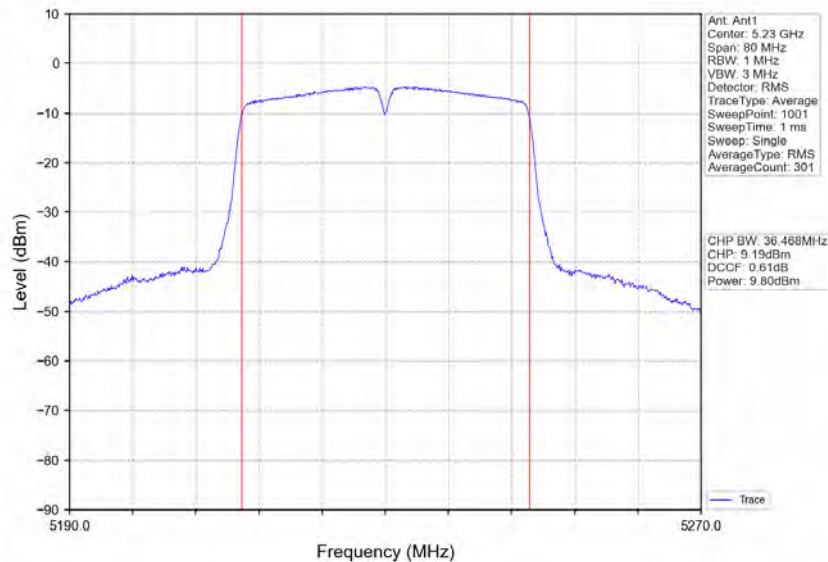
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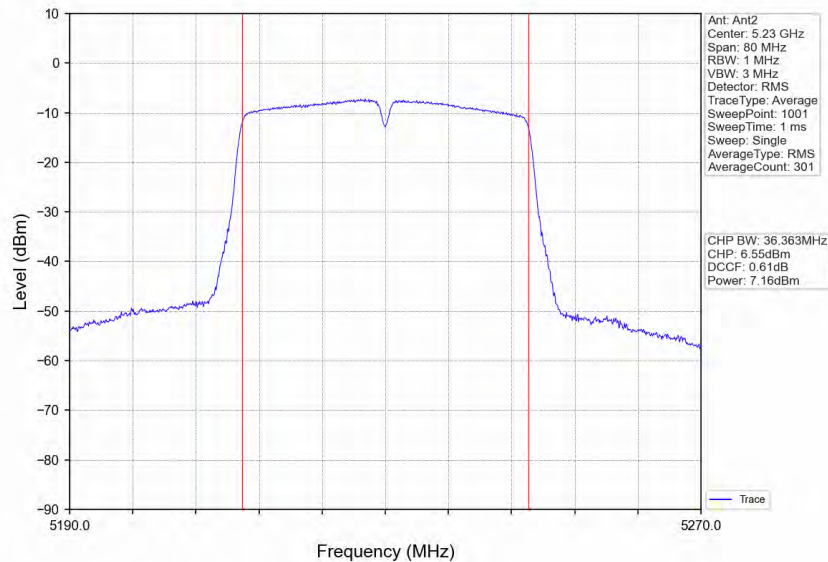
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802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



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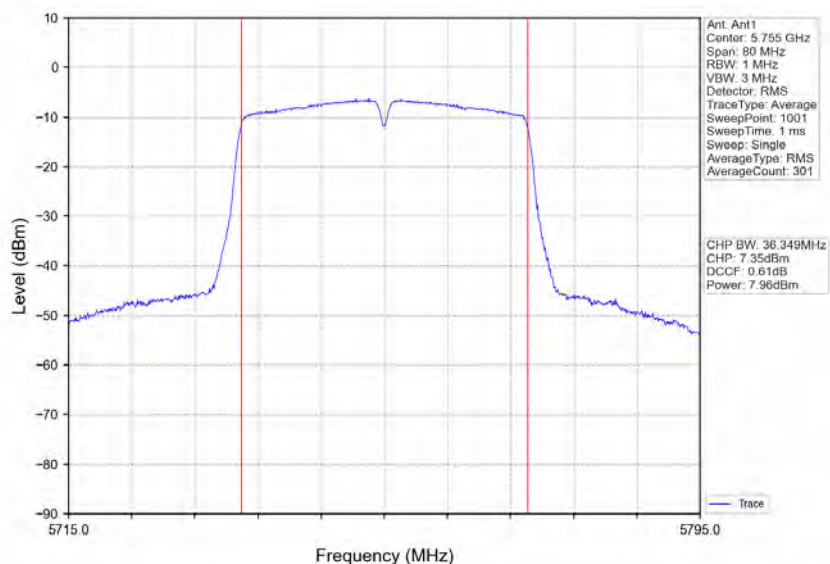
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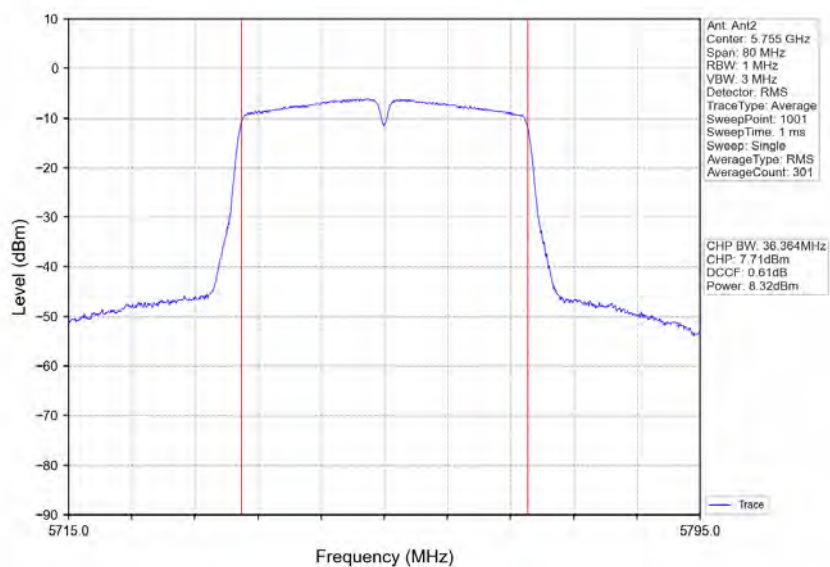
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant2 NTN



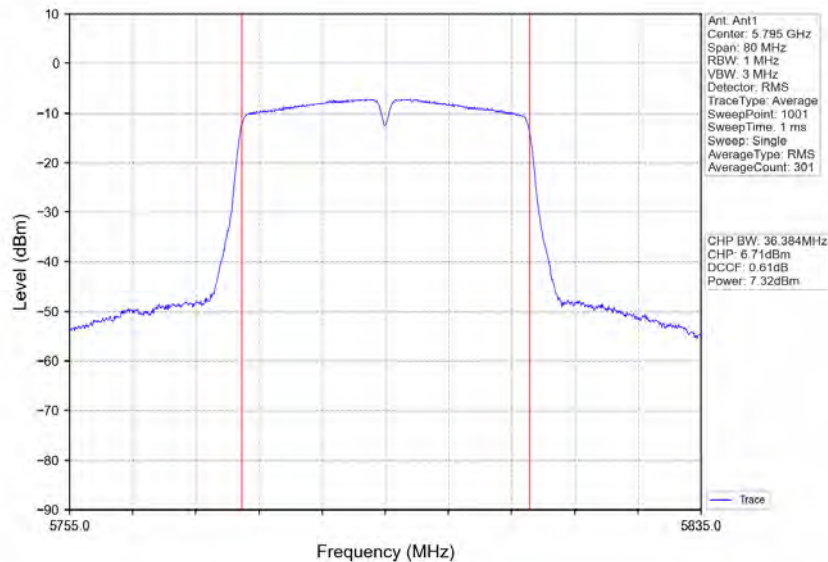
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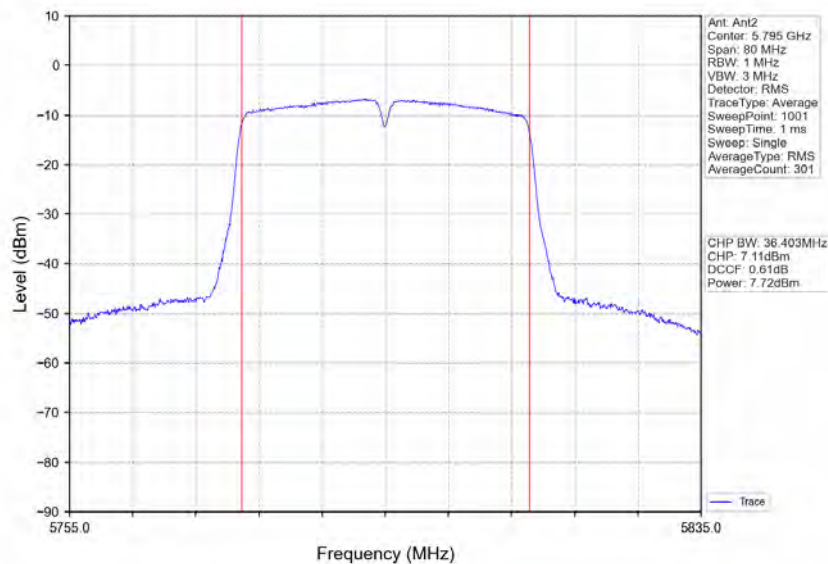
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802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



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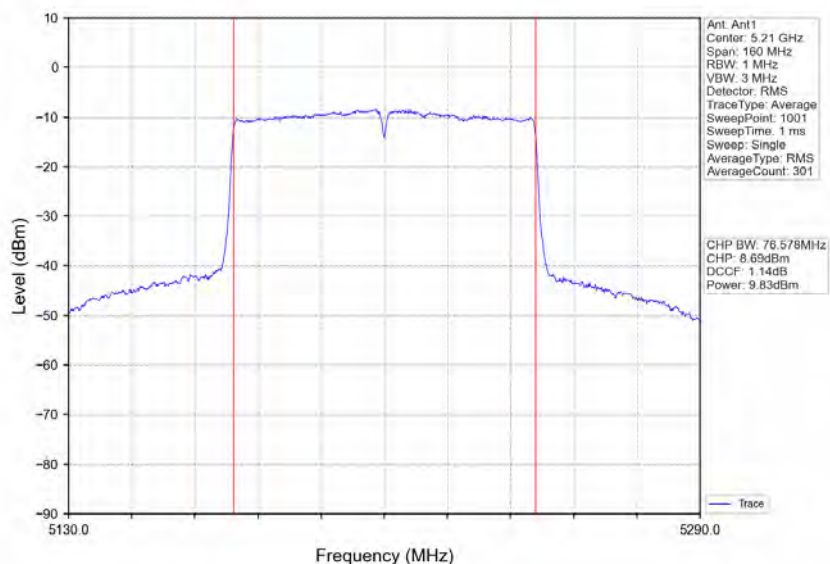
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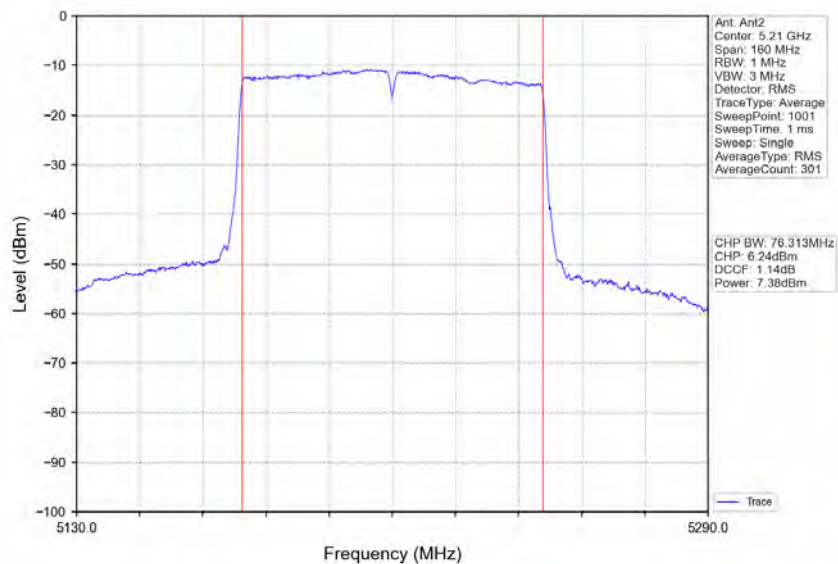
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



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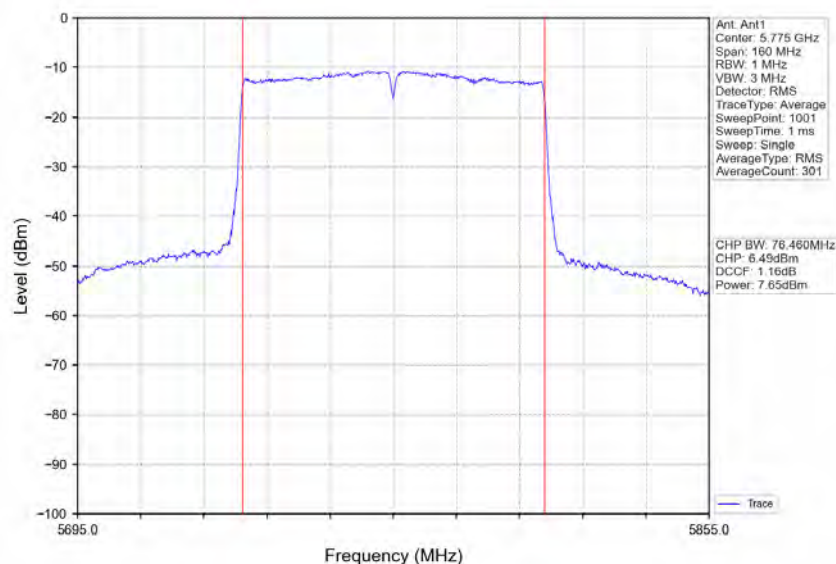
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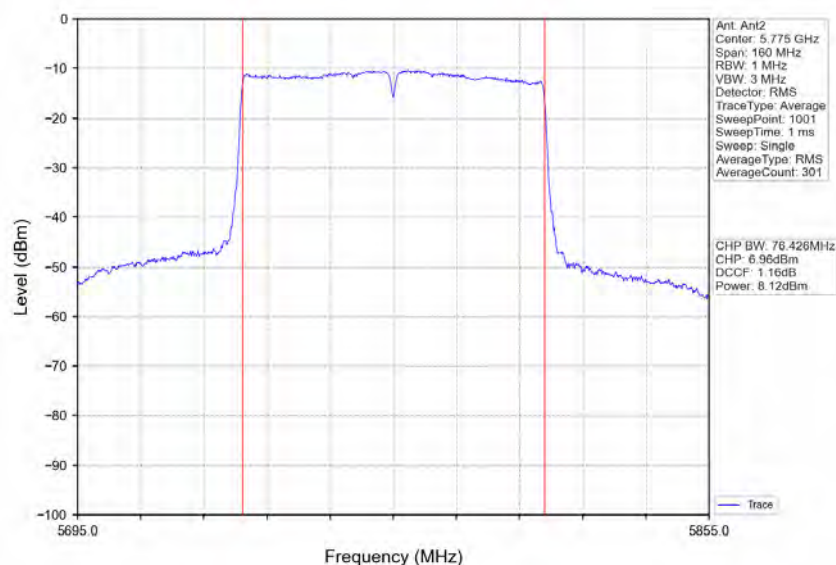
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4. Maximum Power Spectral Density

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;



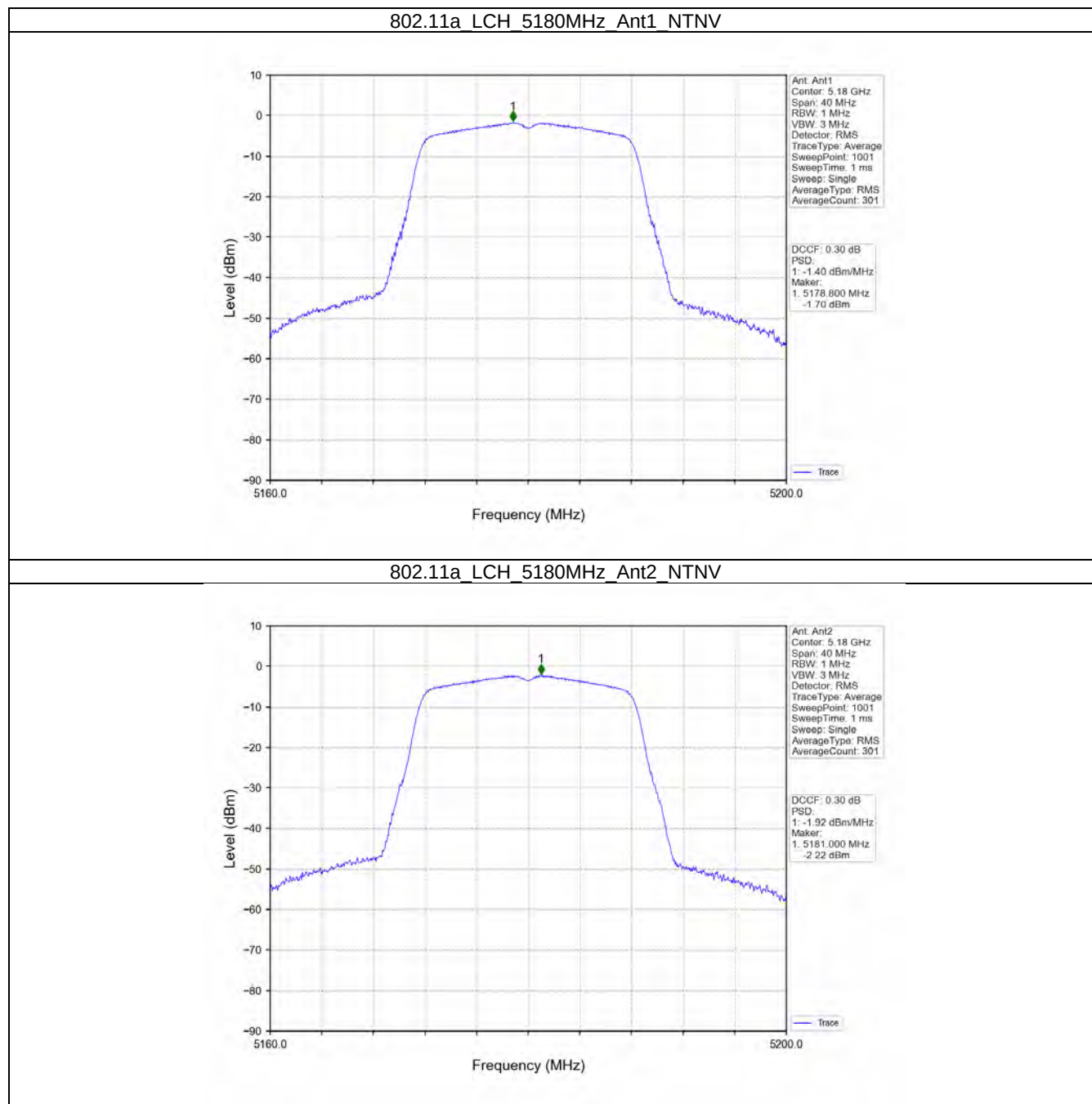
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4.1.2 Test Graph



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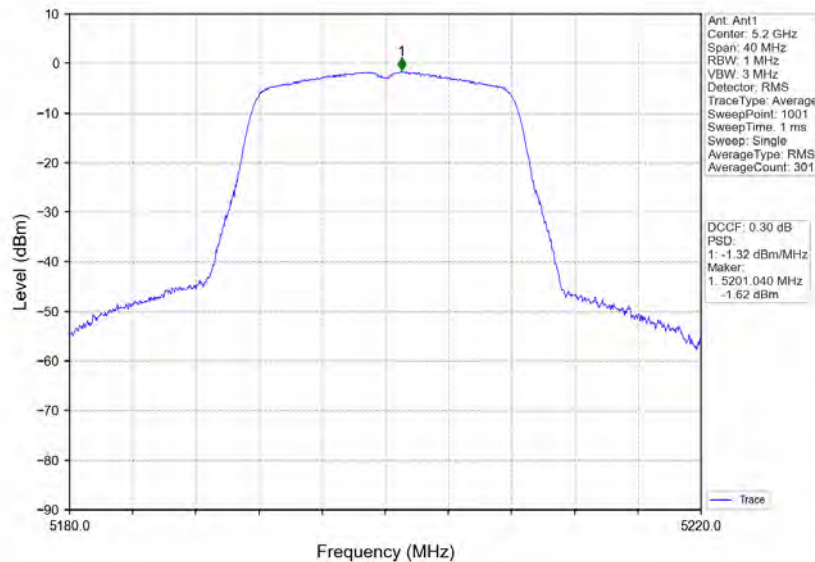
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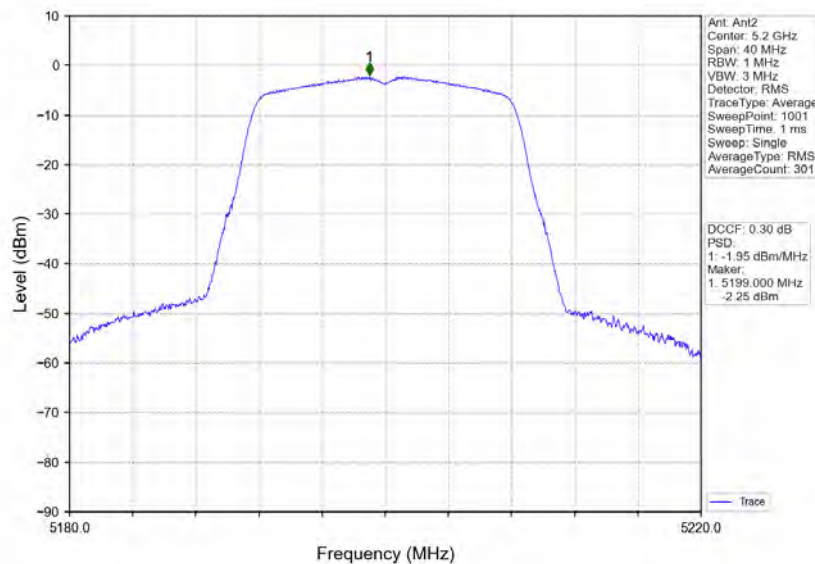
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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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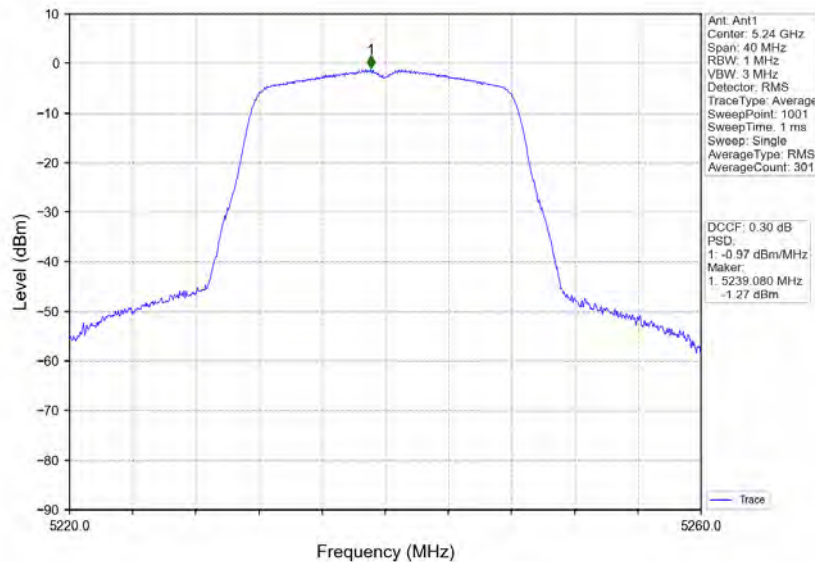
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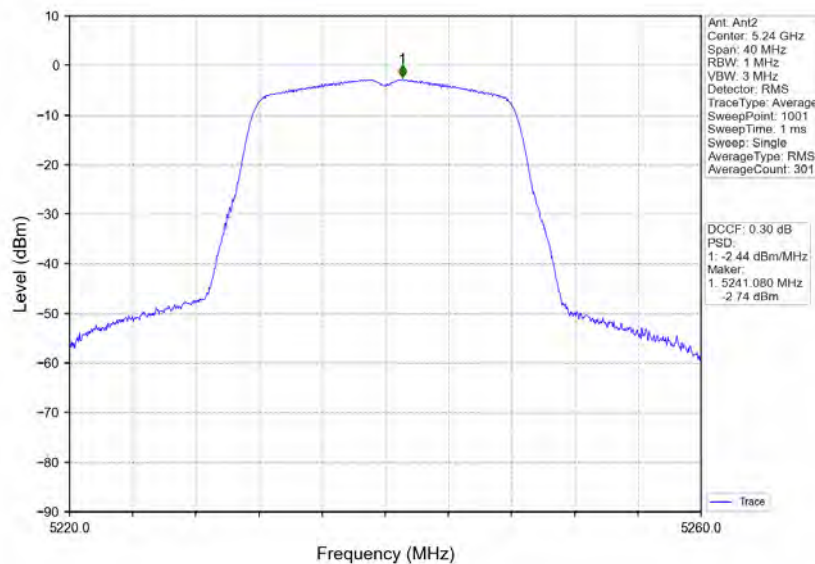
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_HCH_5240MHz_Ant2_NTNV



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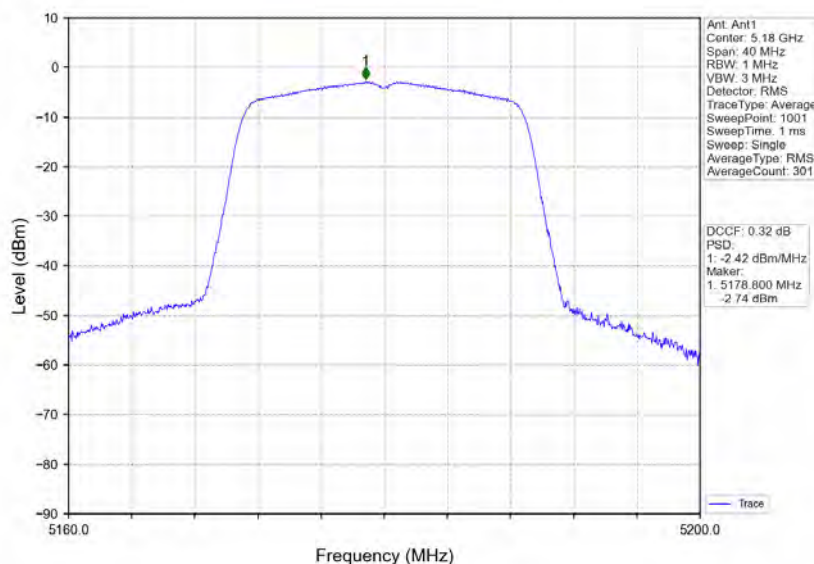
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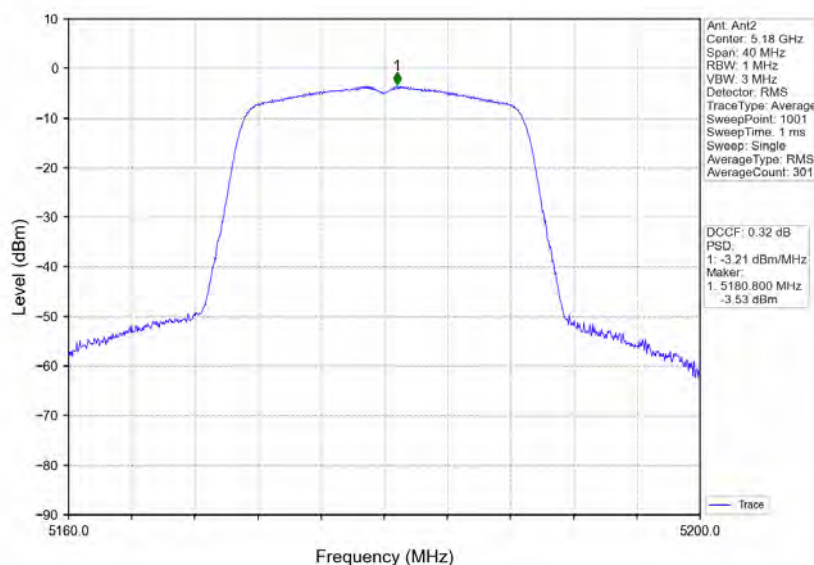
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) LCH 5180MHz Ant2 NTN



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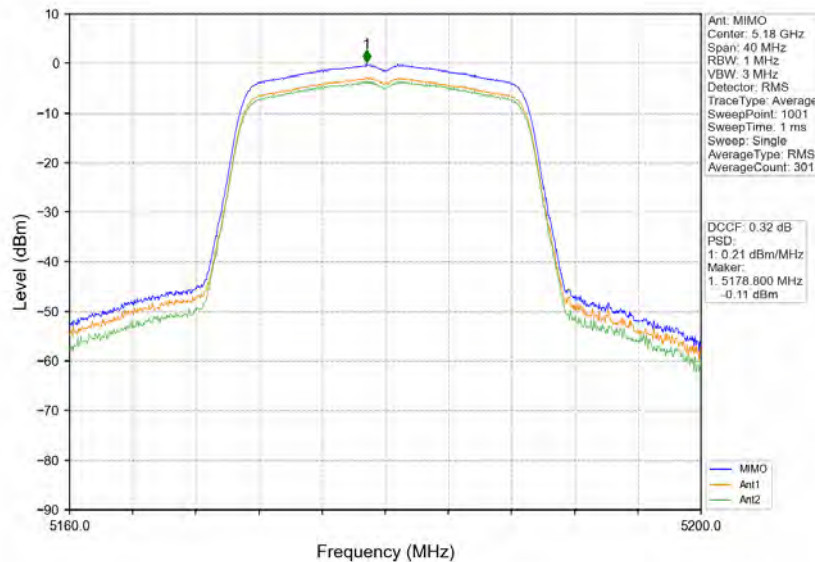
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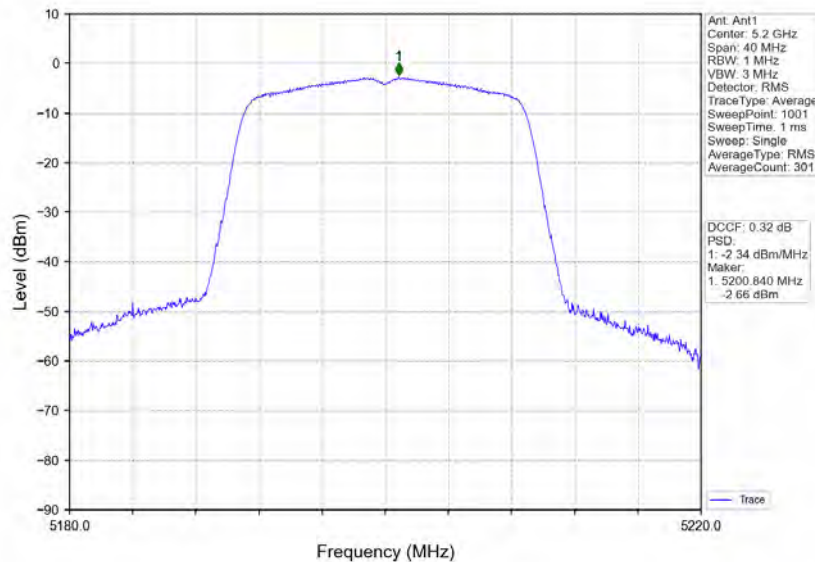
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802.11n(HT20) LCH 5180MHz MIMO NTN



802.11n(HT20) MCH 5200MHz Ant1 NTN



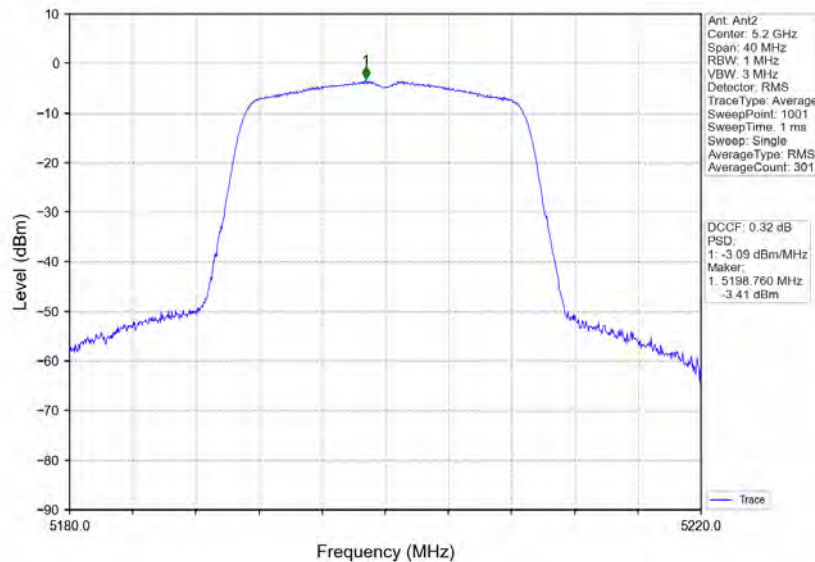
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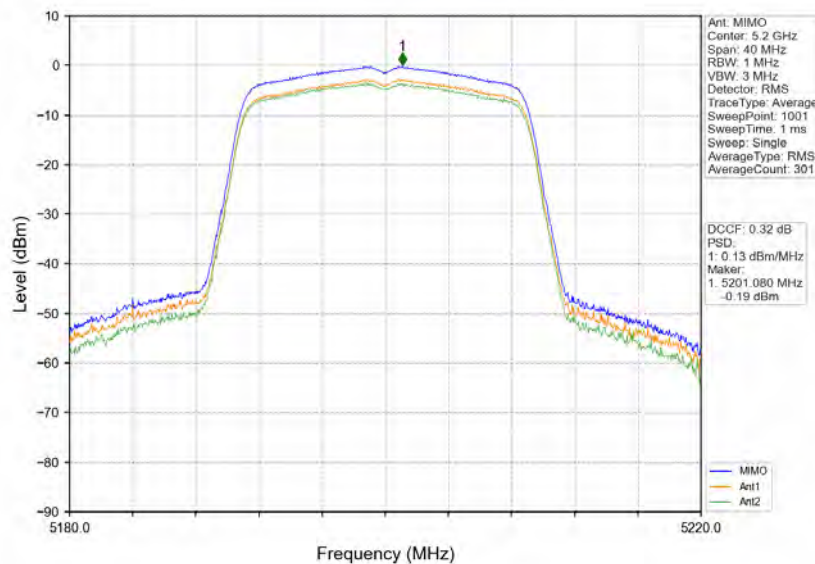
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802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



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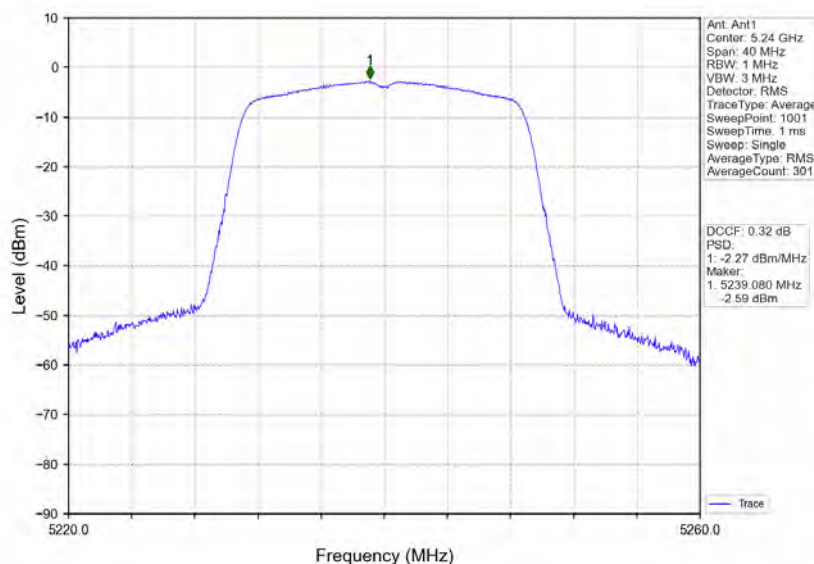
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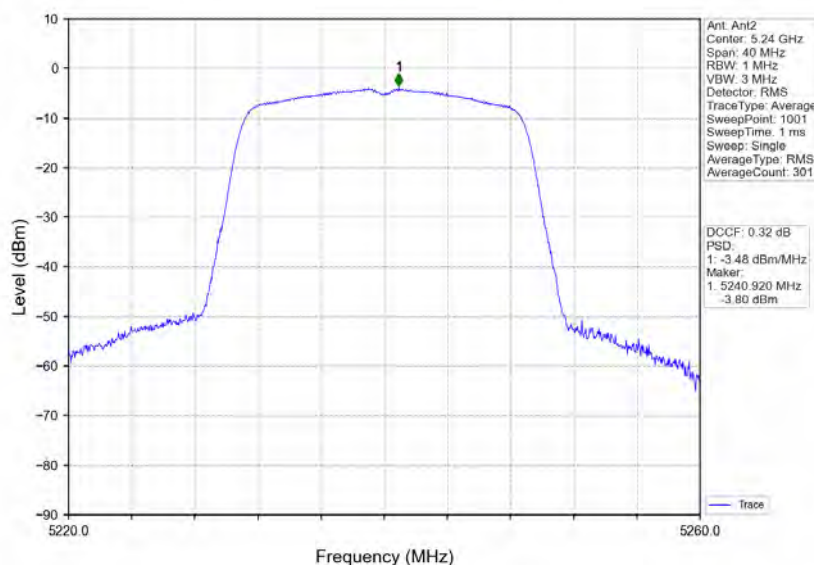
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802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) HCH 5240MHz Ant2 NTN



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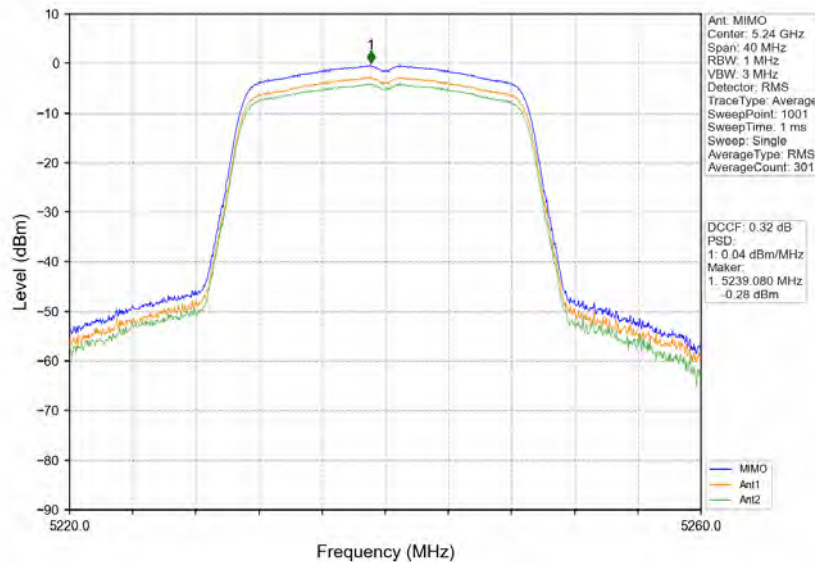
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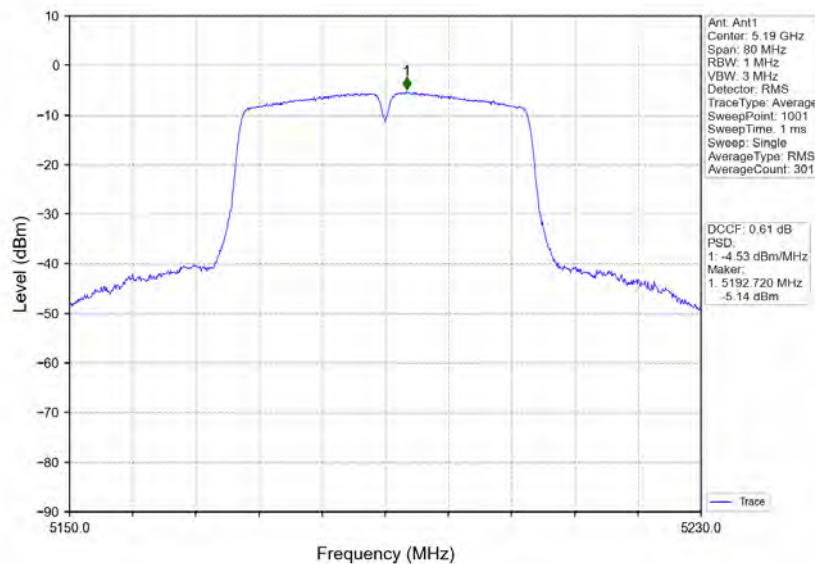
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802.11n(HT20) HCH 5240MHz MIMO_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



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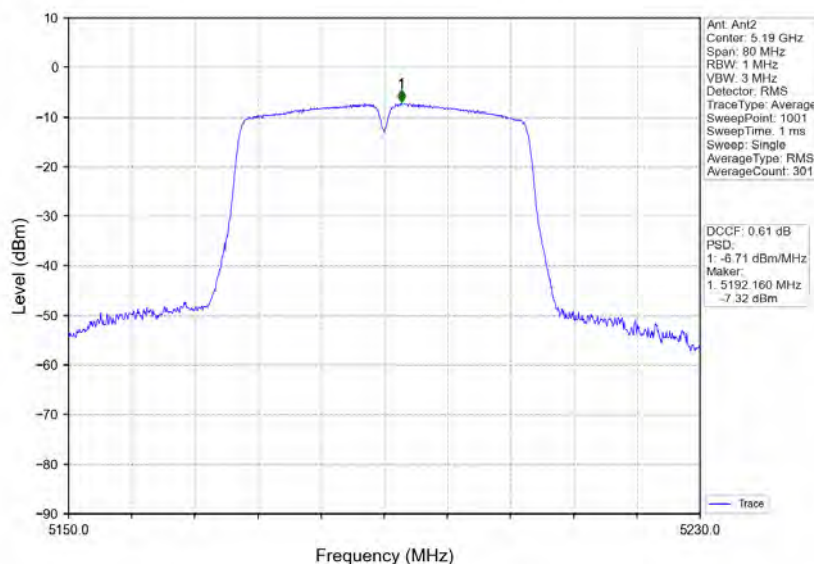
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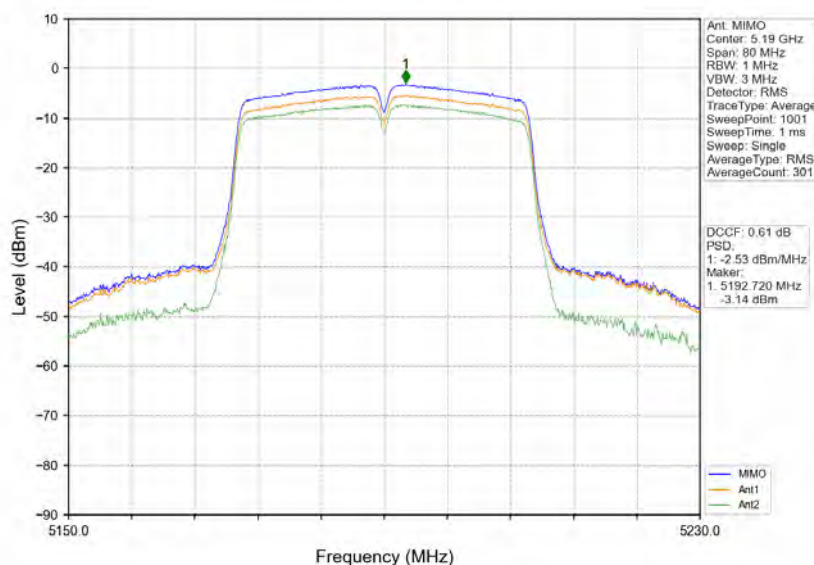
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802.11n(HT40) LCH 5190MHz Ant2 NTN



802.11n(HT40) LCH 5190MHz MIMO NTN



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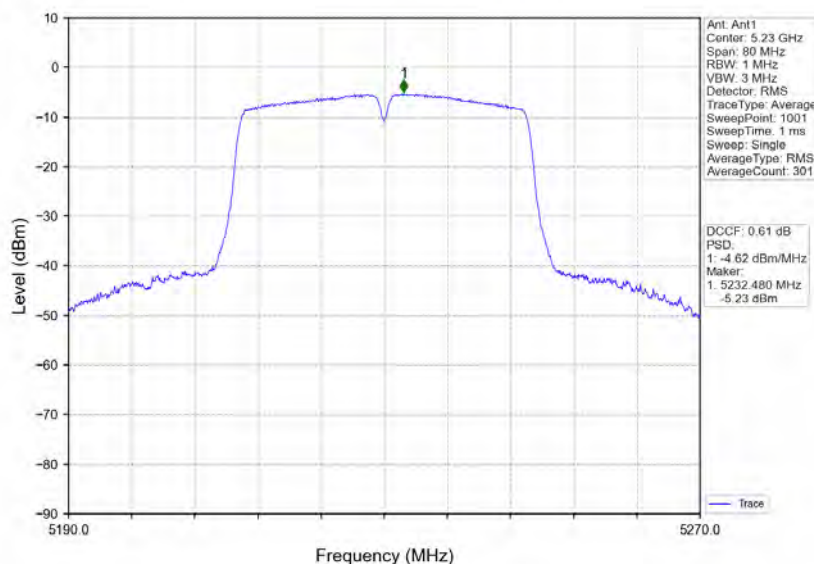
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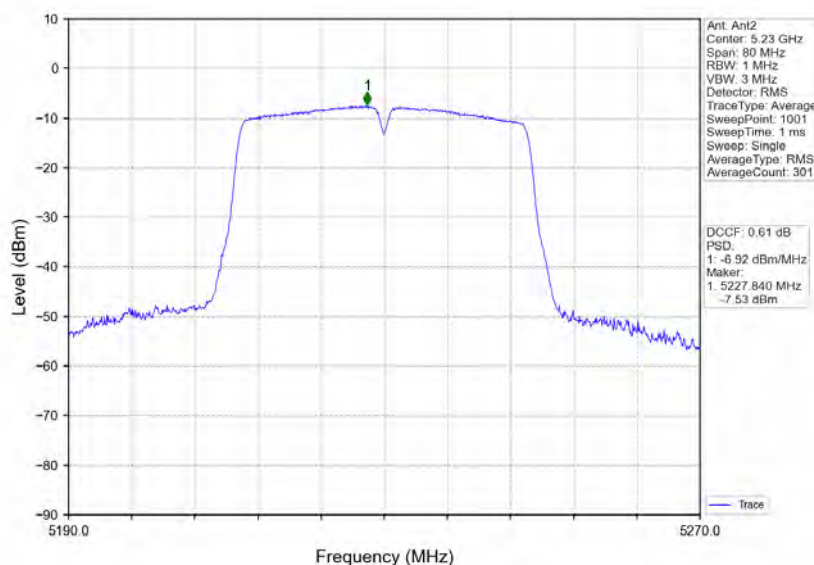
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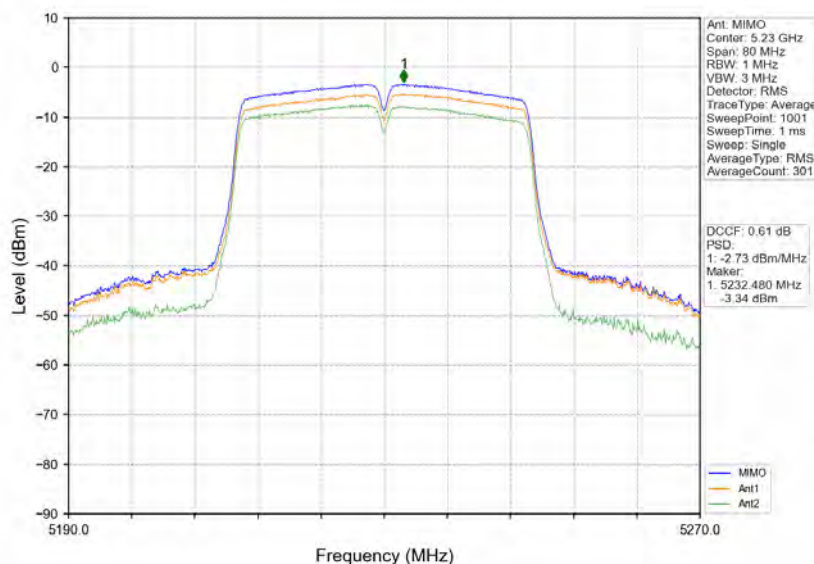
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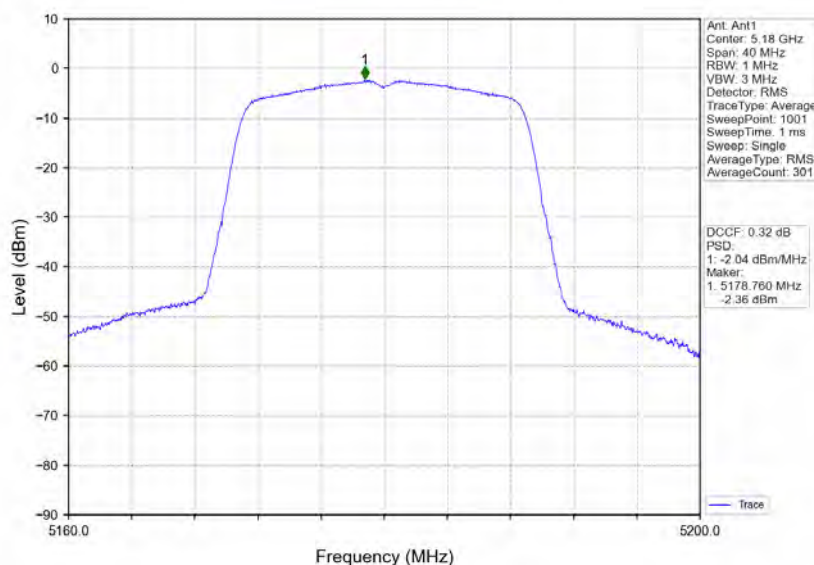
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802.11n(HT40) HCH 5230MHz MIMO_NTNV



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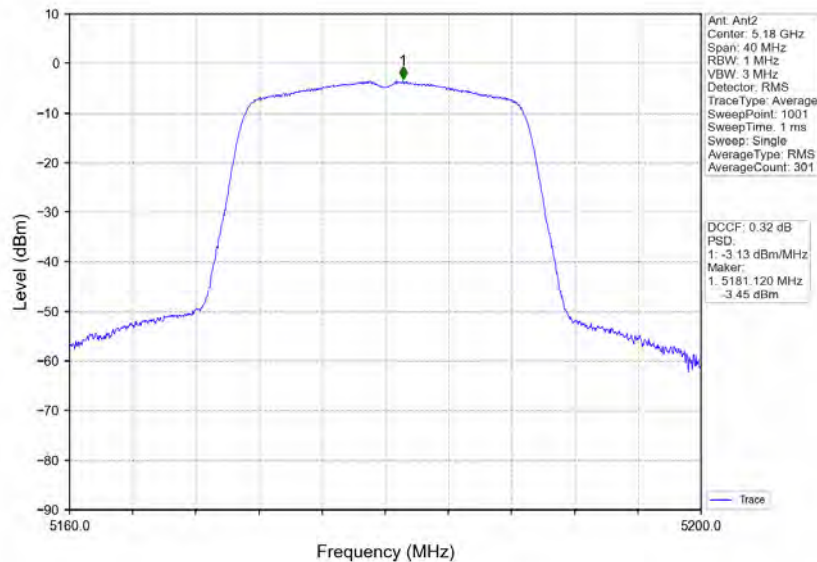
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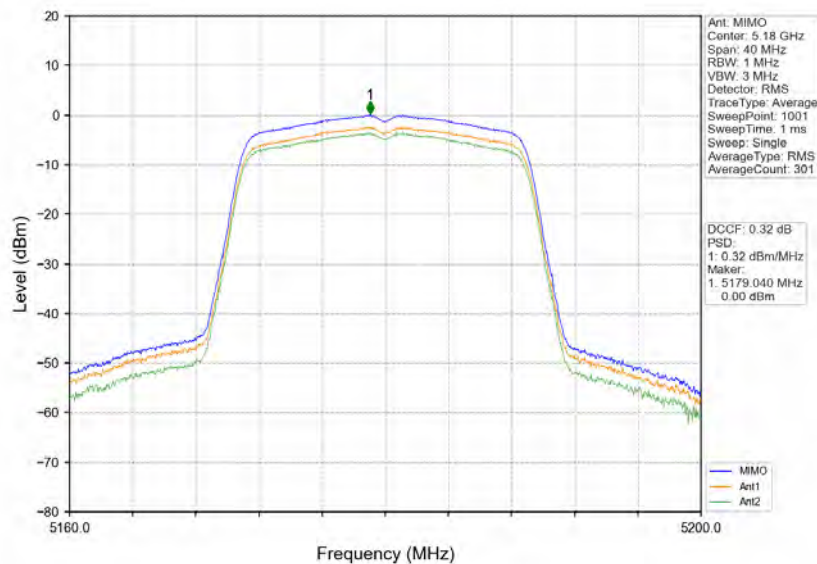
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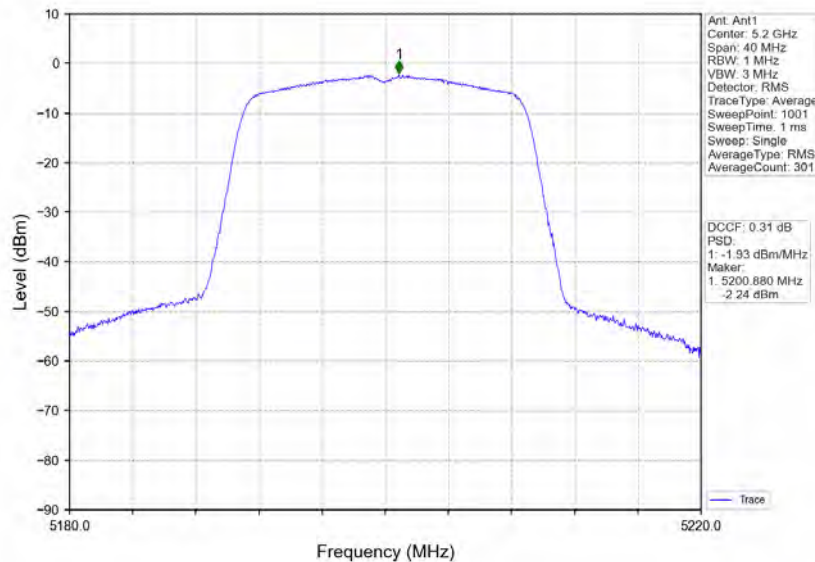
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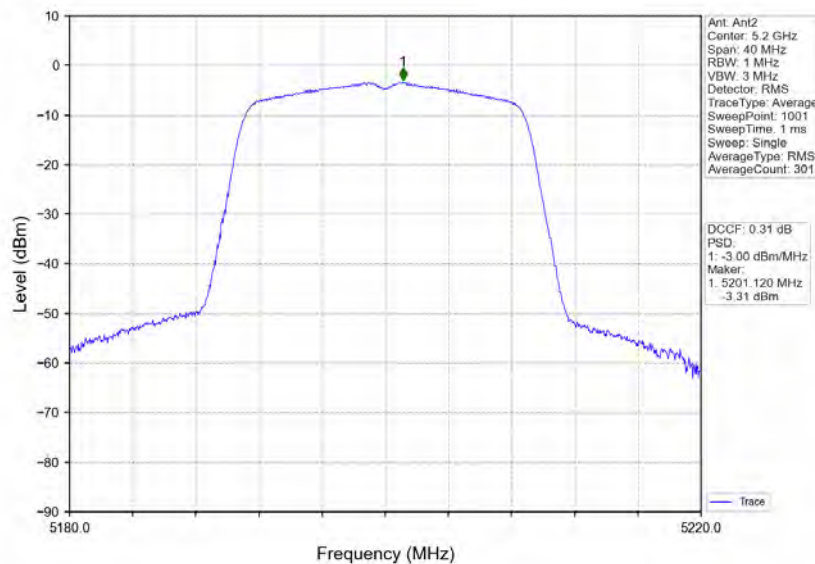
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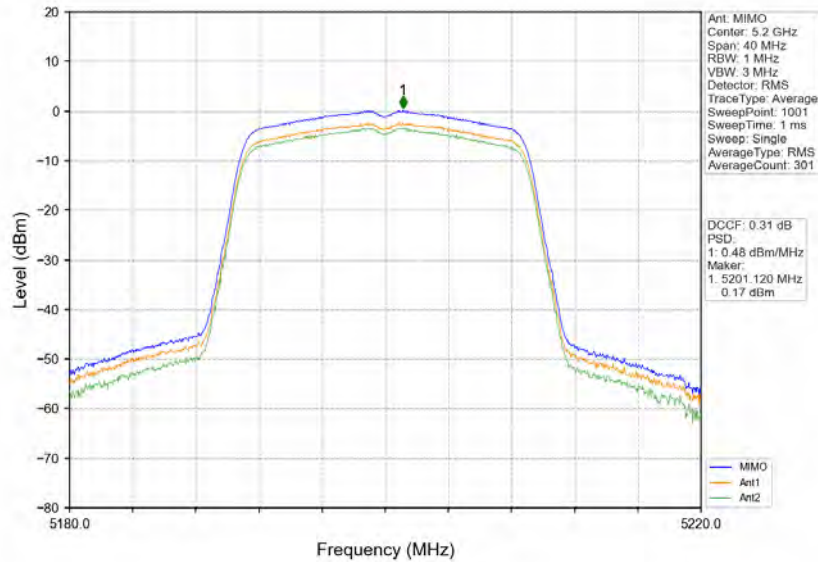
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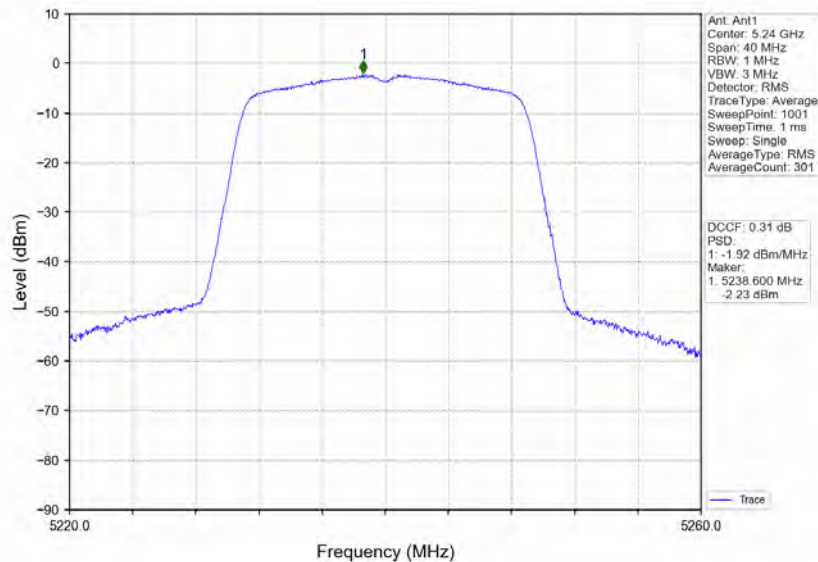
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802.11ac(VHT20) MCH 5200MHz MIMO NTN



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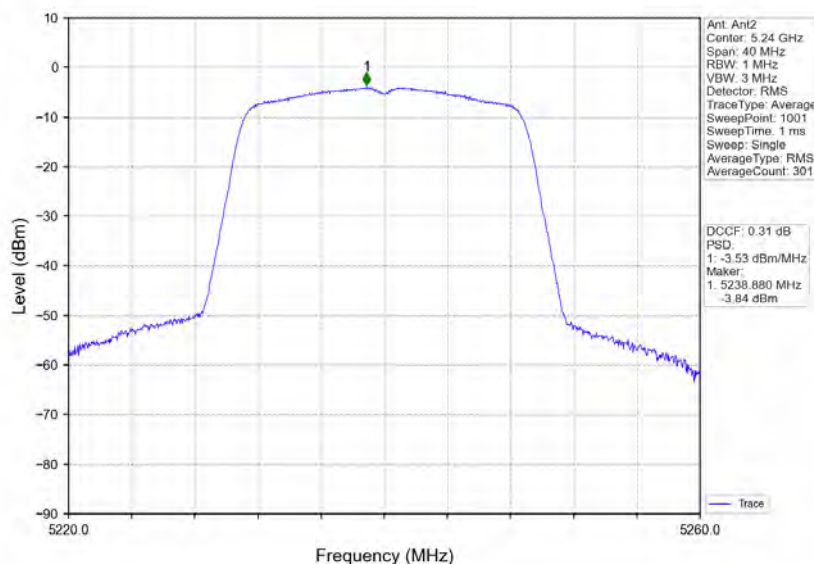
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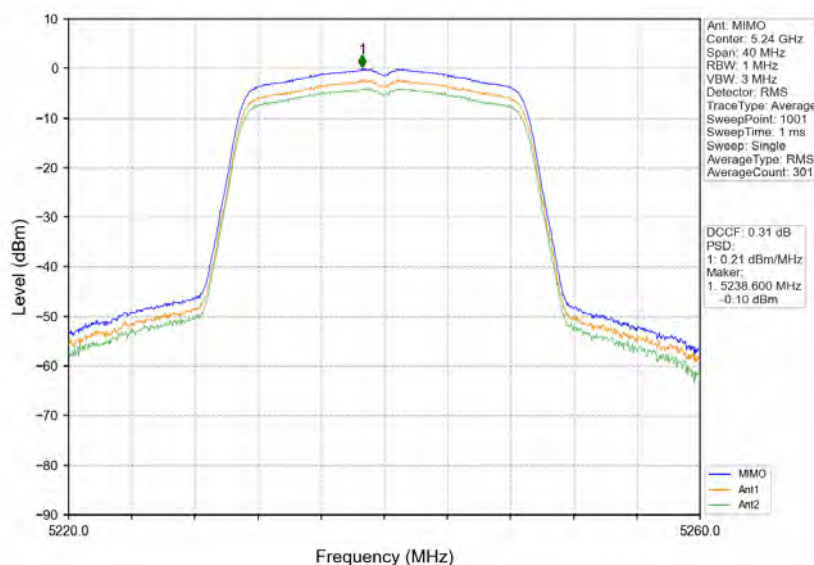
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802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5240MHz_MIMO_NTNV



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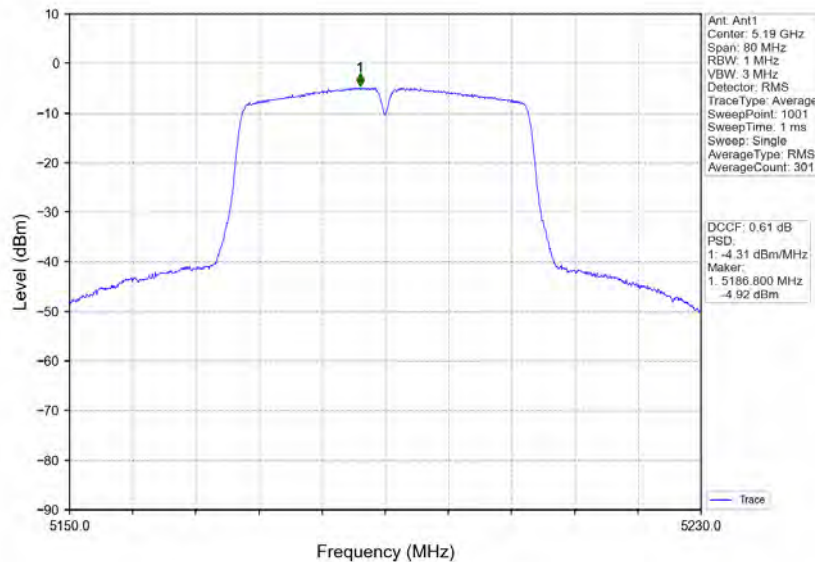
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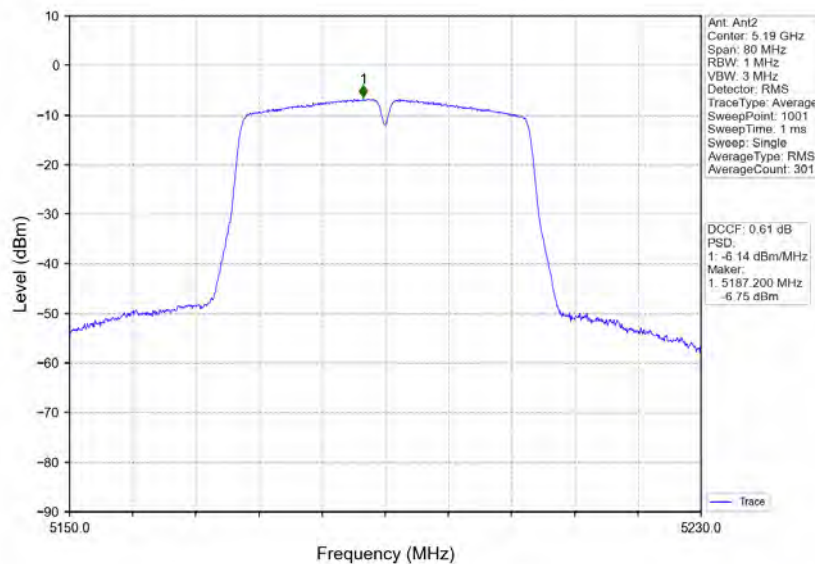
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



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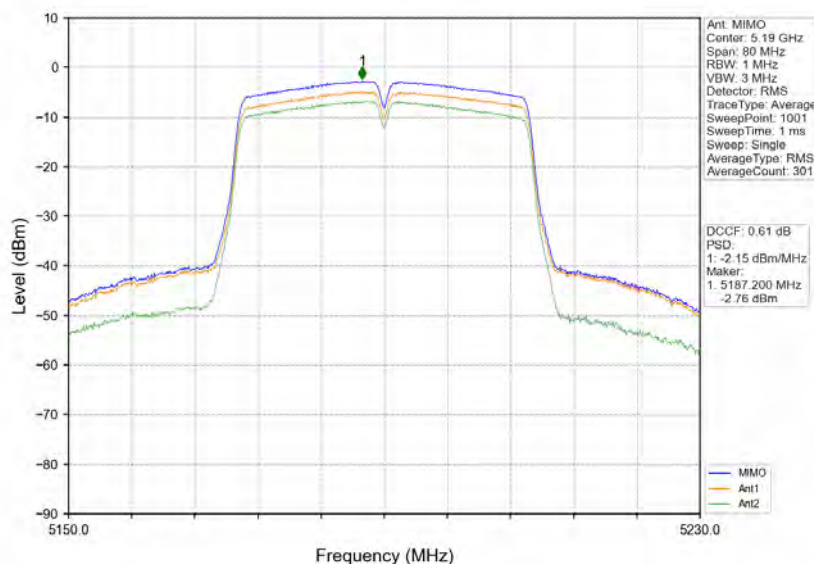
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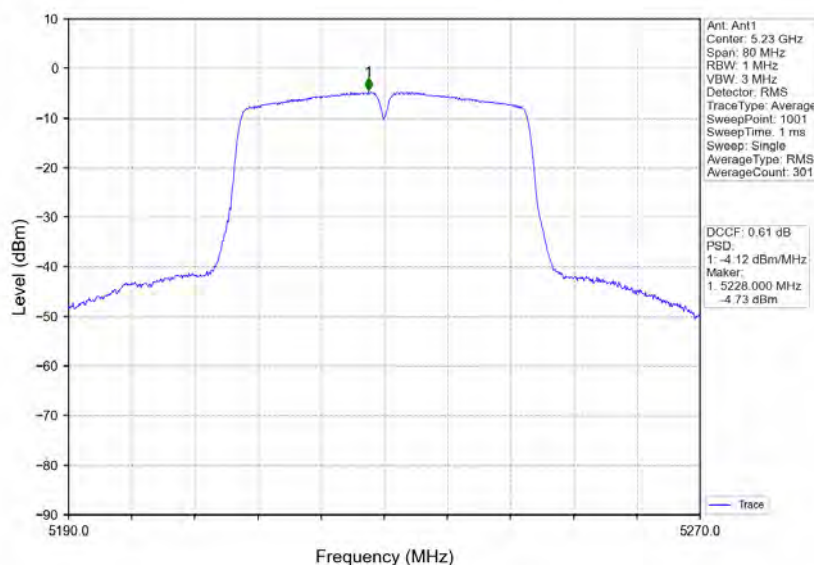
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802.11ac(VHT40) LCH 5190MHz MIMO NTN



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTN



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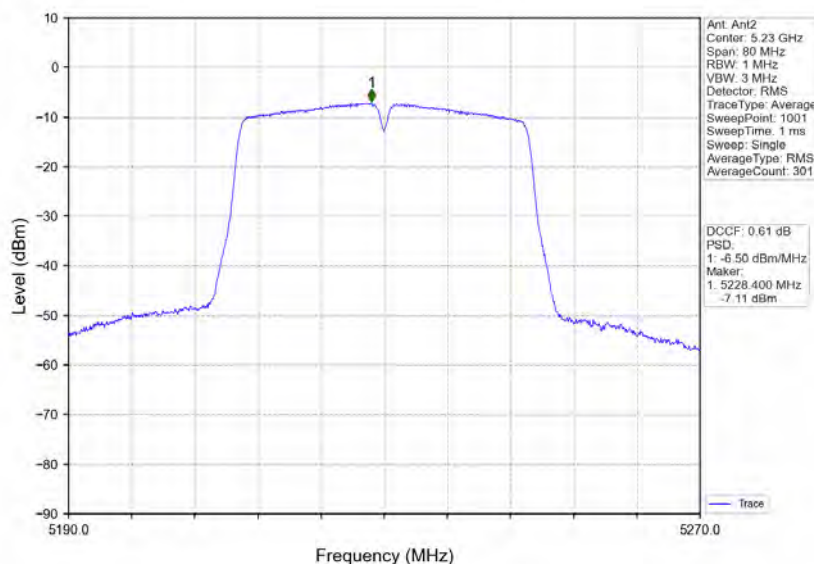
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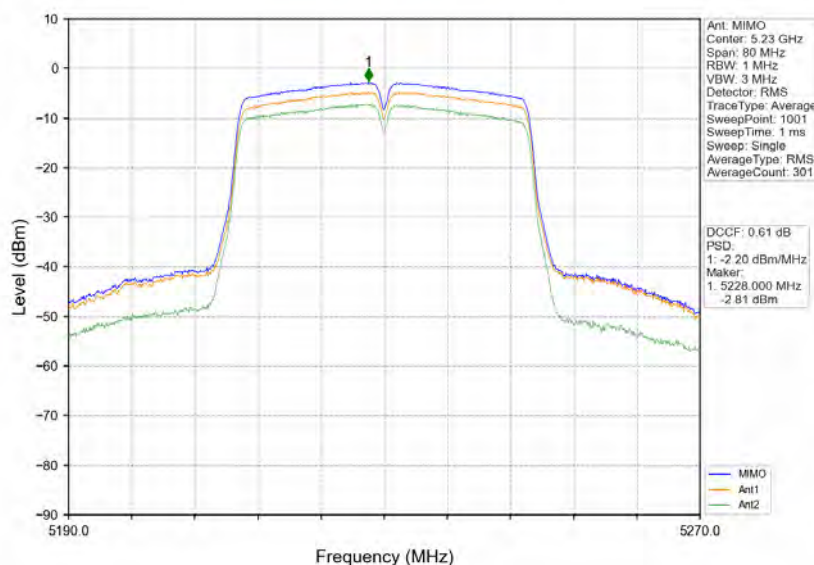
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802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



802.11ac(VHT40)_HCH_5230MHz_MIMO_NTNV



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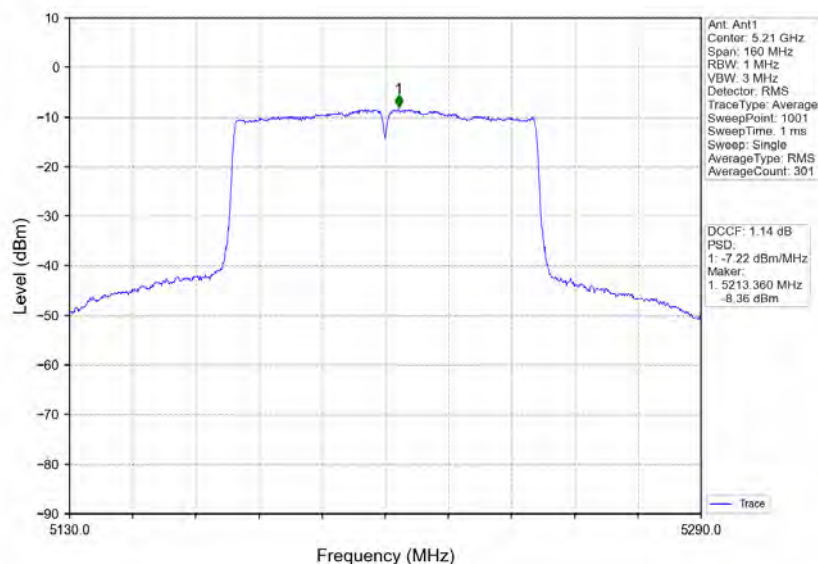
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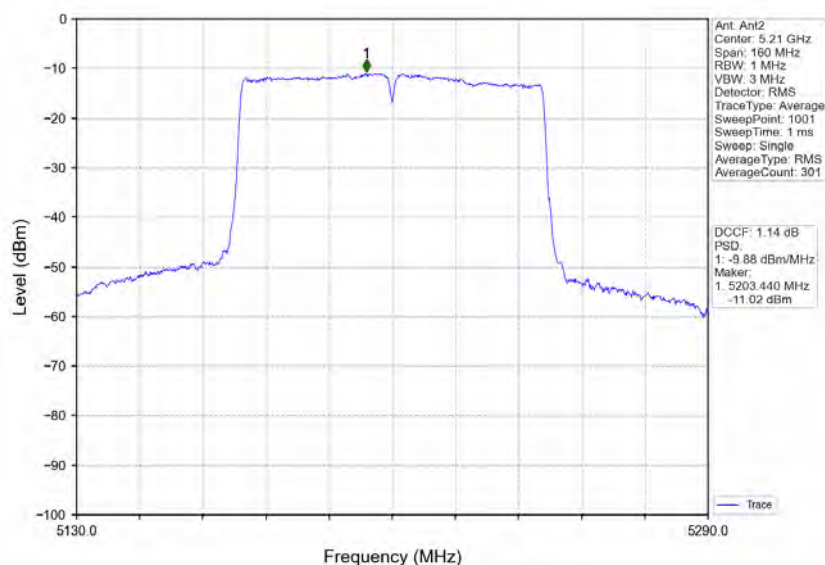
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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



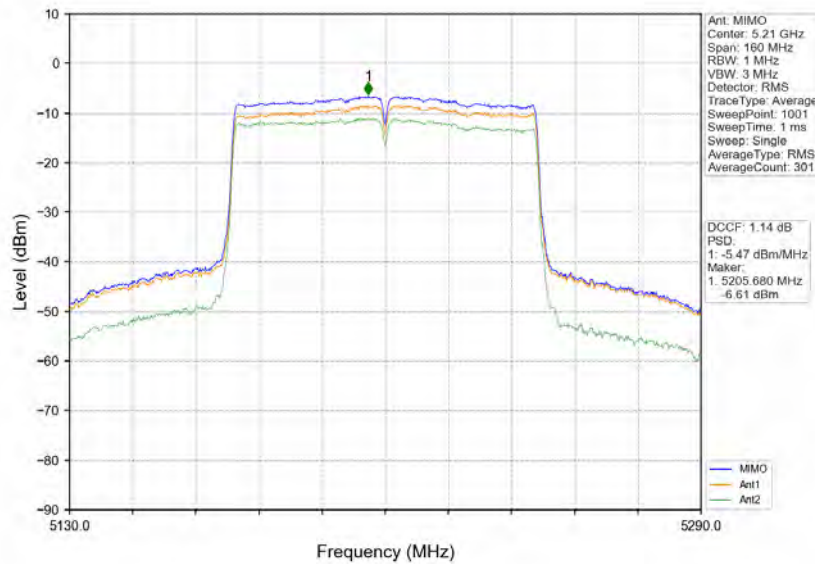
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802.11ac(VHT80) MCH 5210MHz MIMO NTN



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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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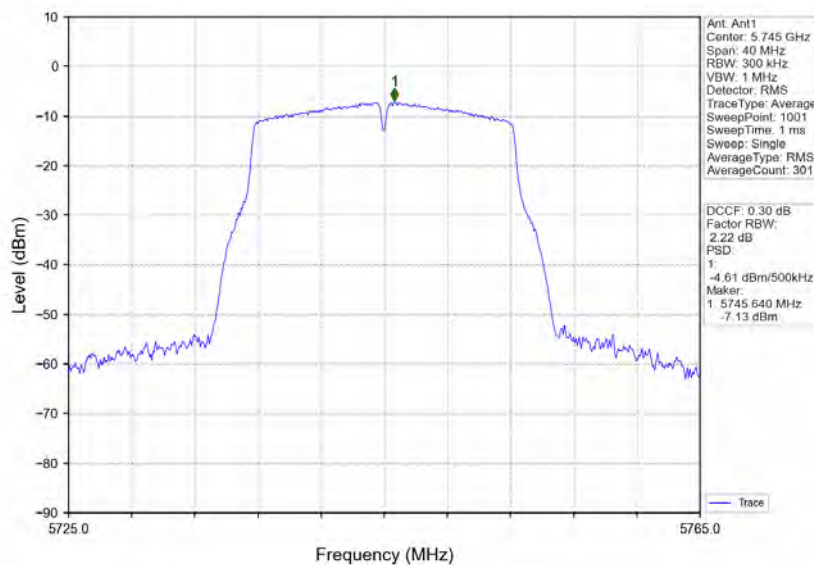
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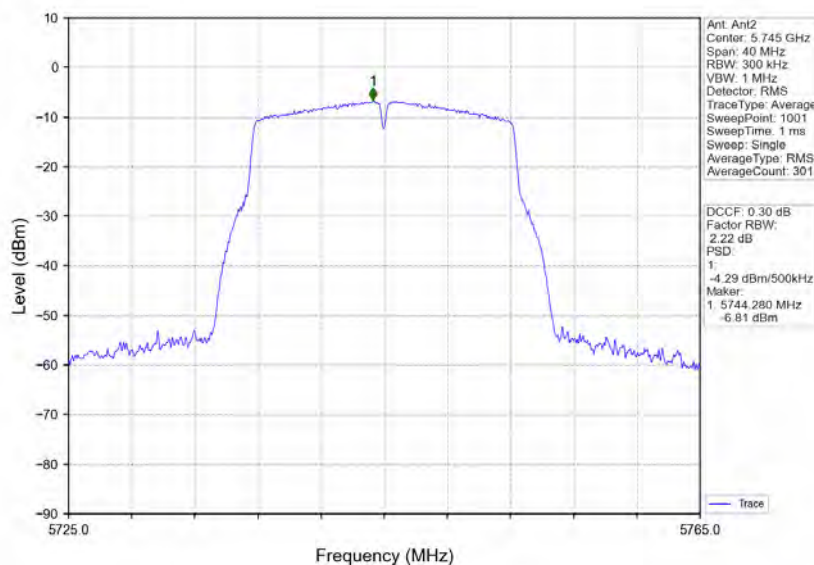
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4.2.2 Test Graph

802.11a LCH 5745MHz Ant1 NTN



802.11a LCH 5745MHz Ant2 NTN



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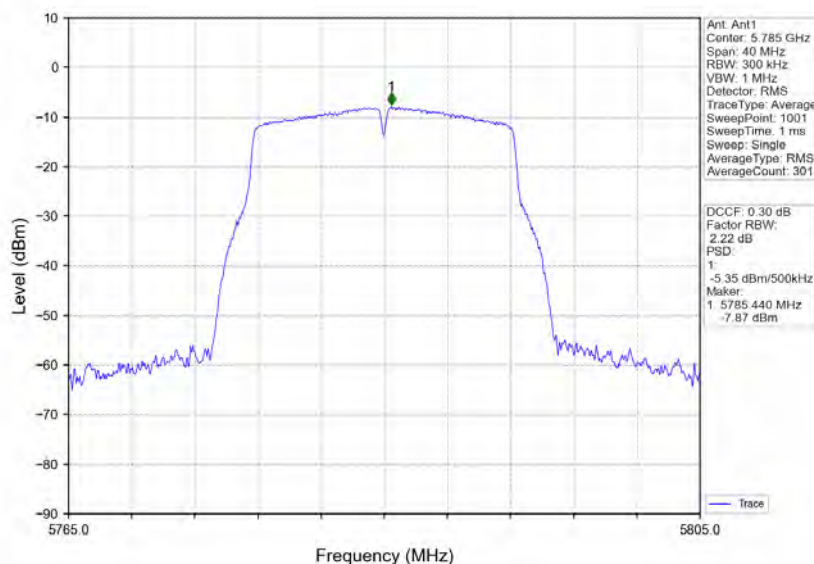
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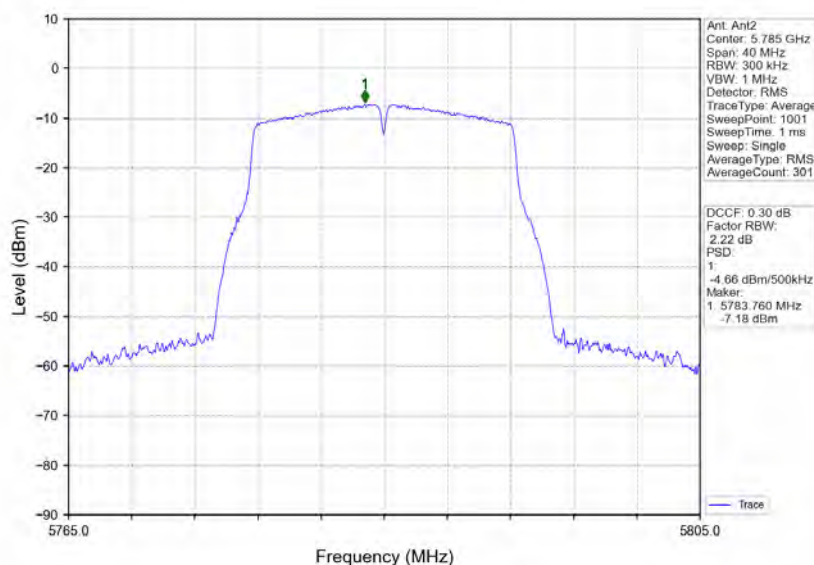
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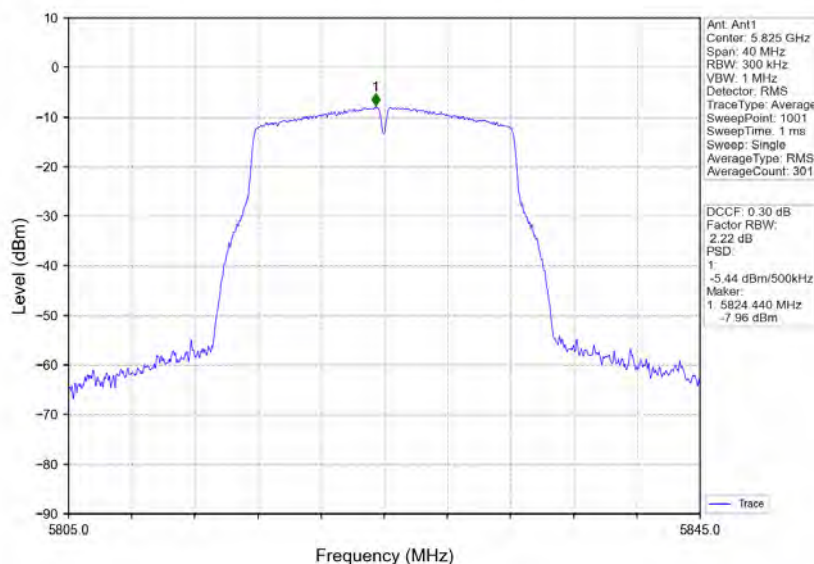
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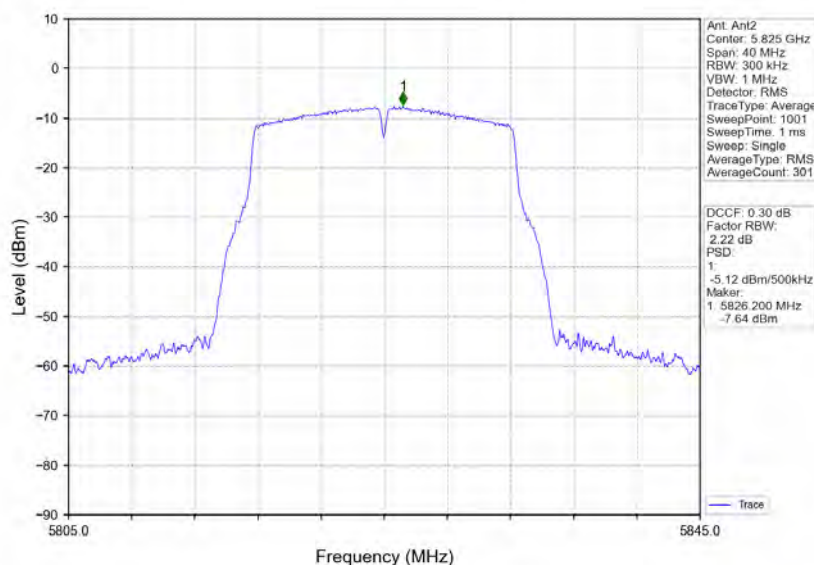
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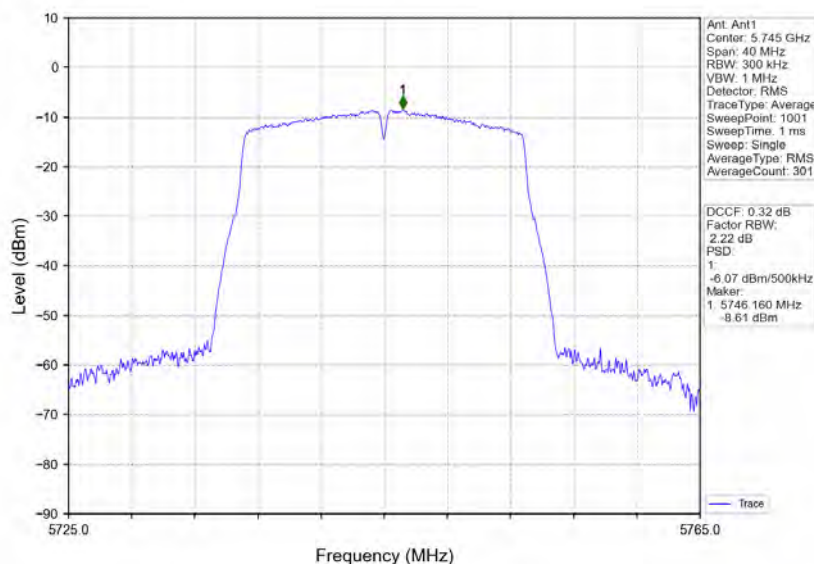
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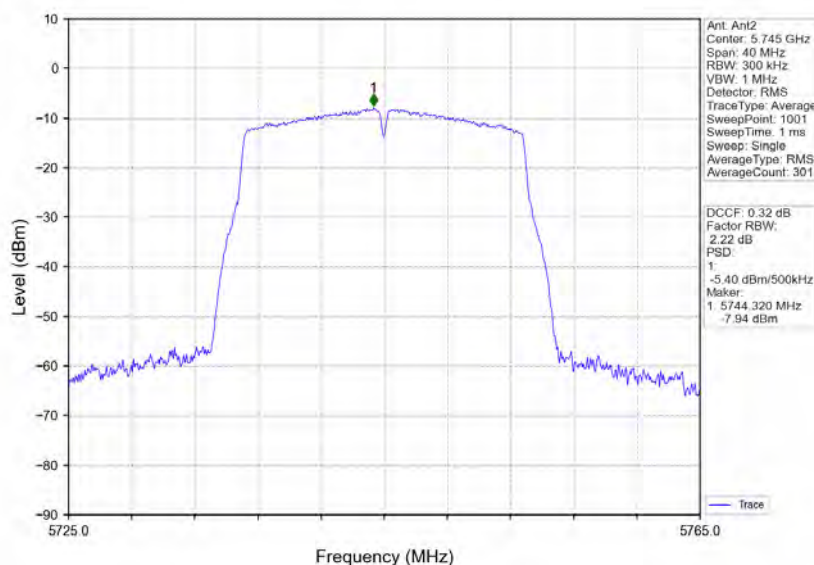
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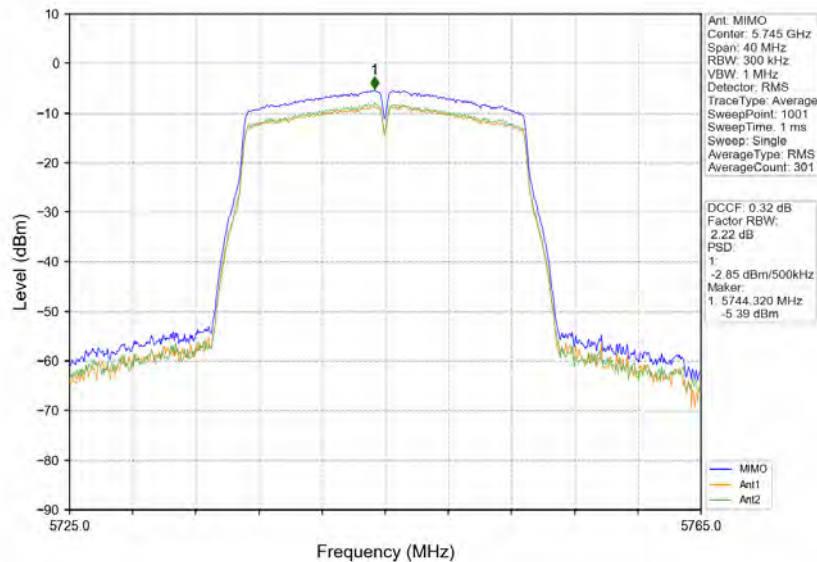
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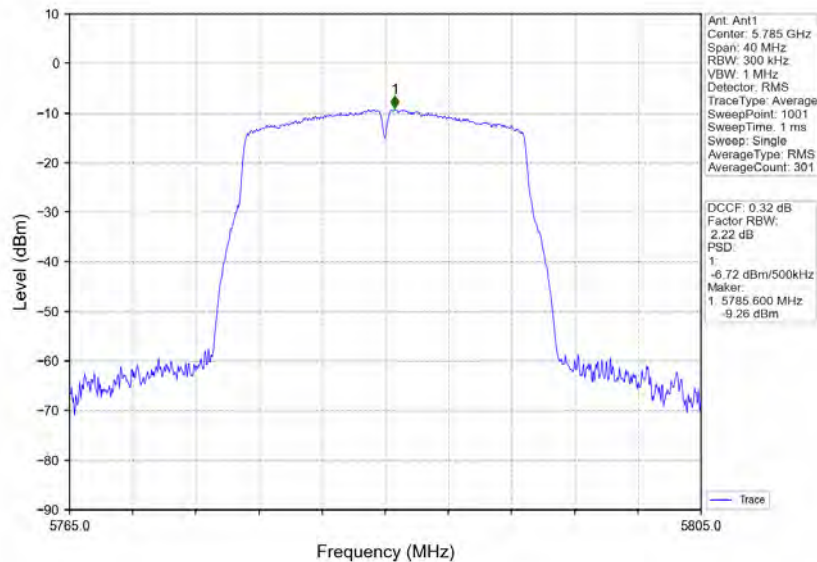
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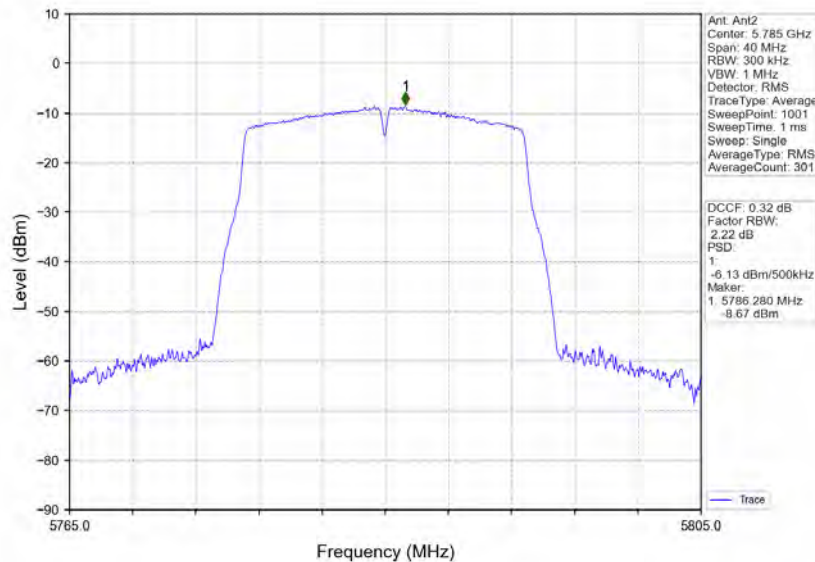
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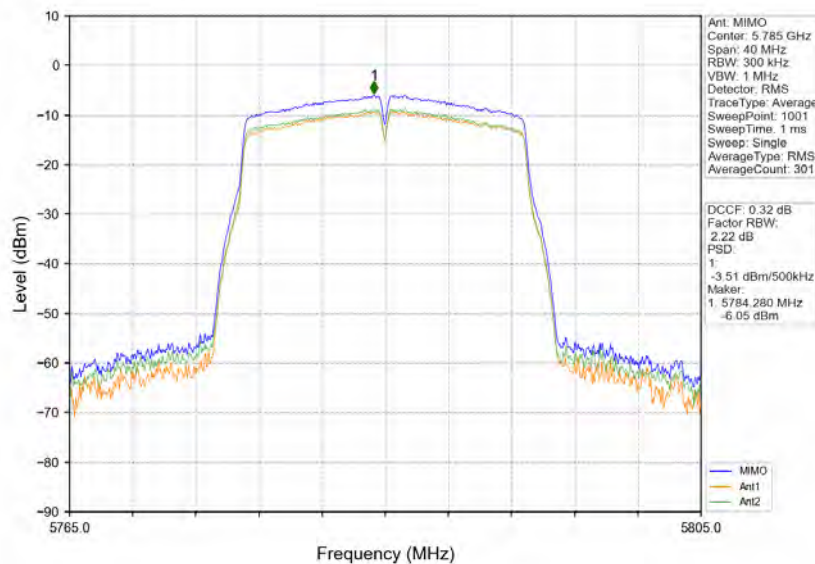
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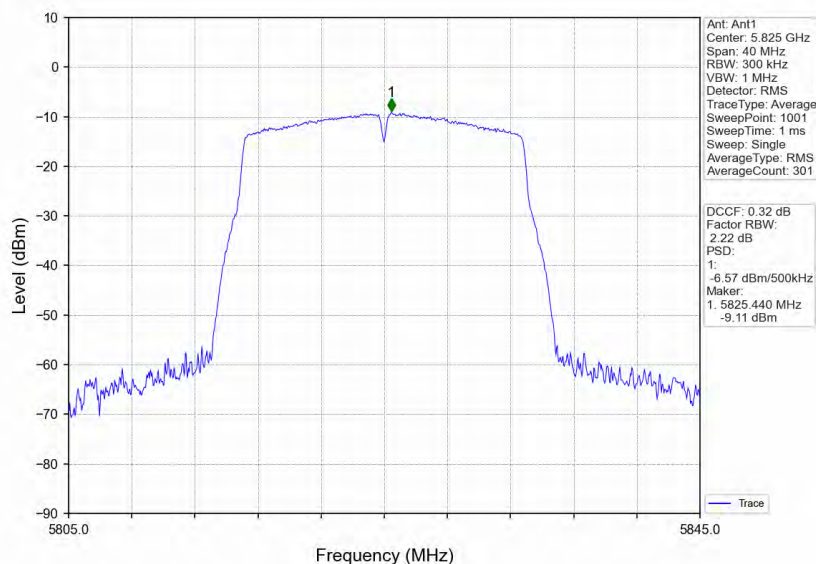
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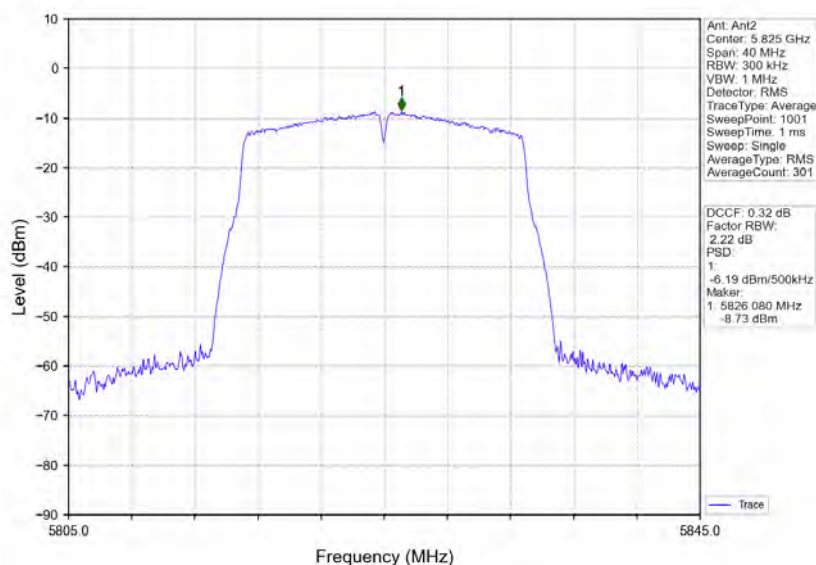
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802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



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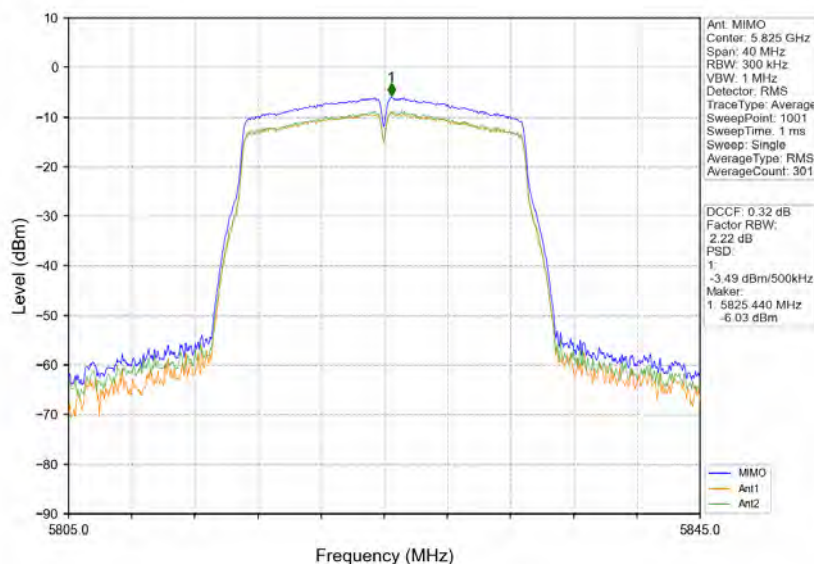
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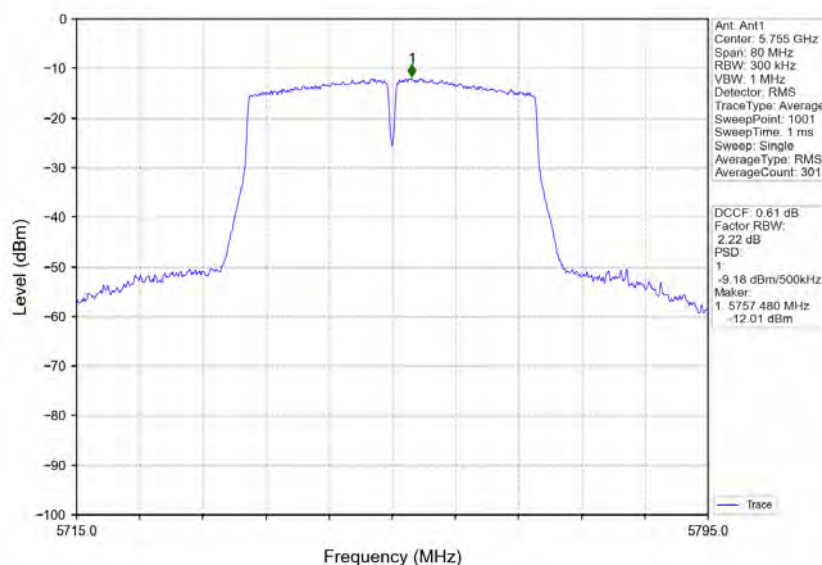
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802.11n(HT20) HCH 5825MHz MIMO_NTNV



802.11n(HT40) LCH 5755MHz_Ant1_NTNV



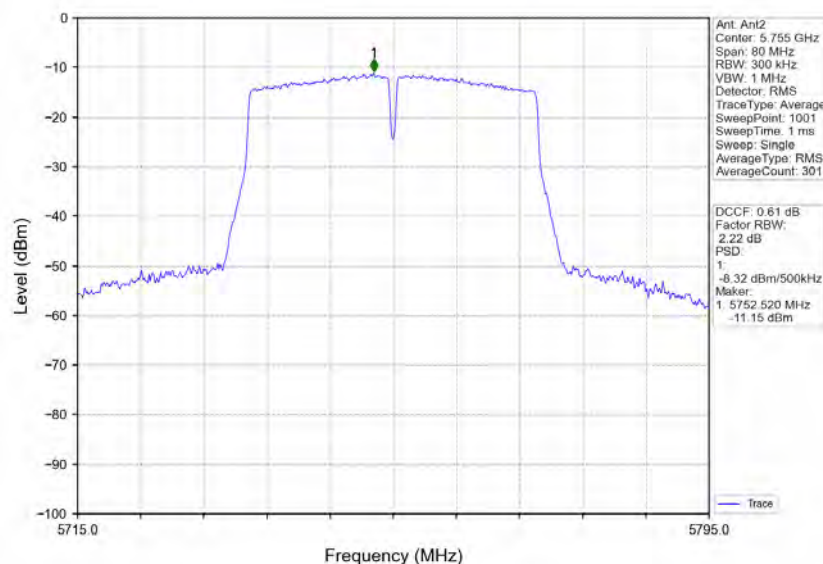
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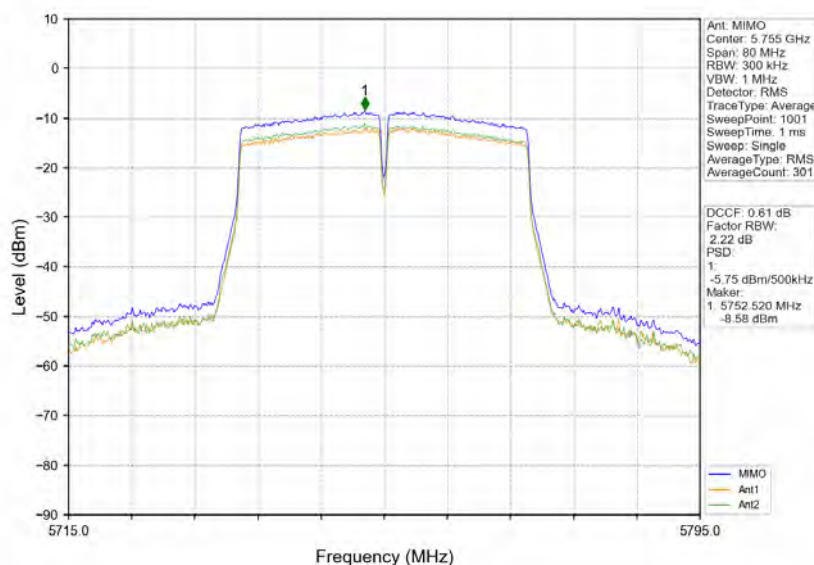
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802.11n(HT40) LCH 5755MHz Ant2 NTN



802.11n(HT40) LCH 5755MHz MIMO NTN



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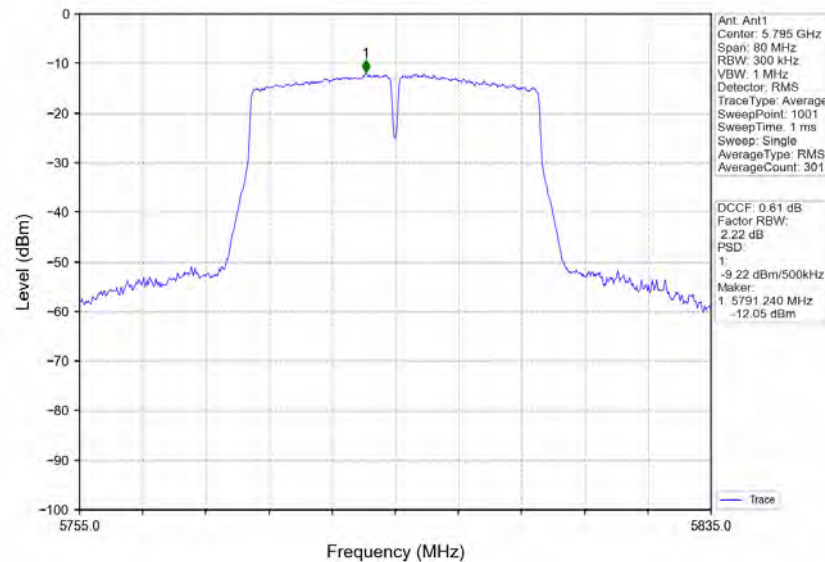
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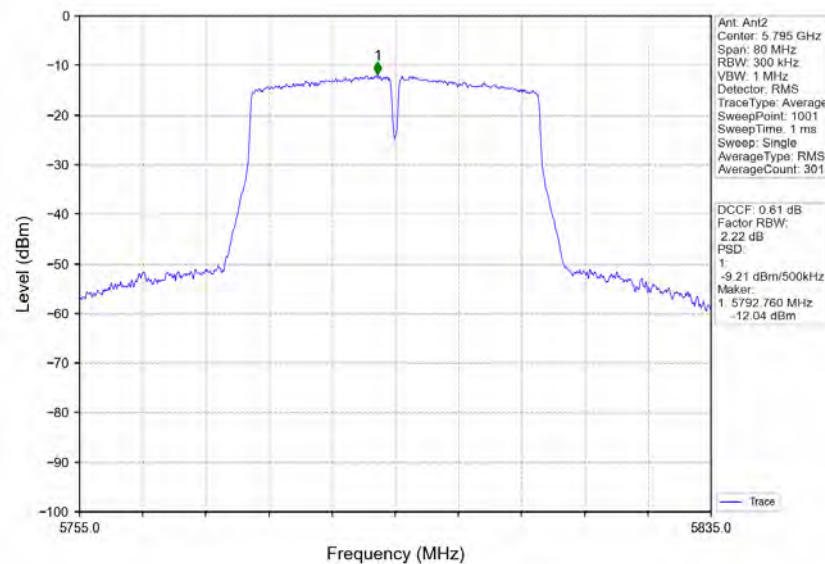
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802.11n(HT40) HCH 5795MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant2 NTN



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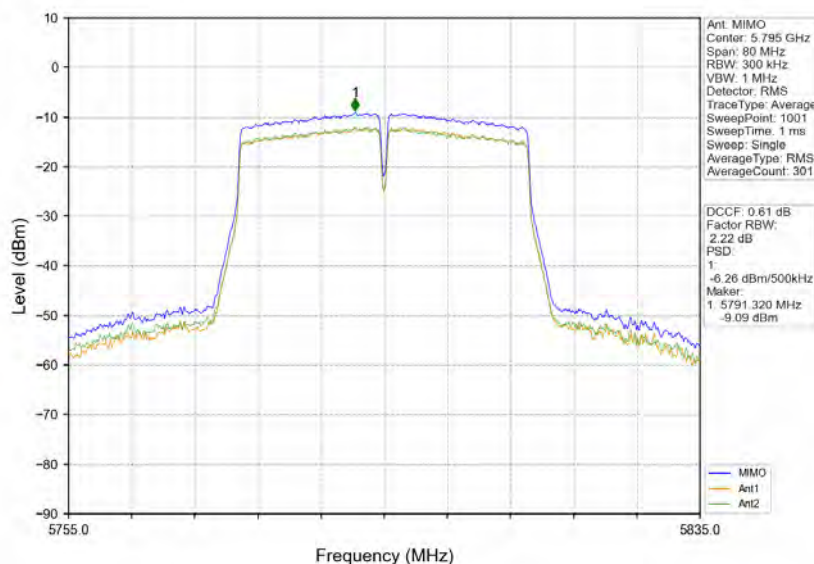
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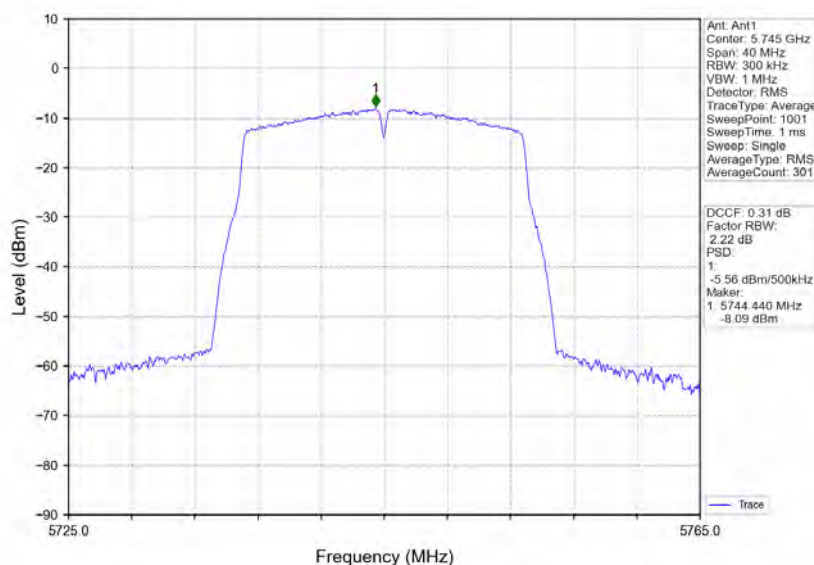
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802.11n(HT40) HCH 5795MHz MIMO_NTNV



802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



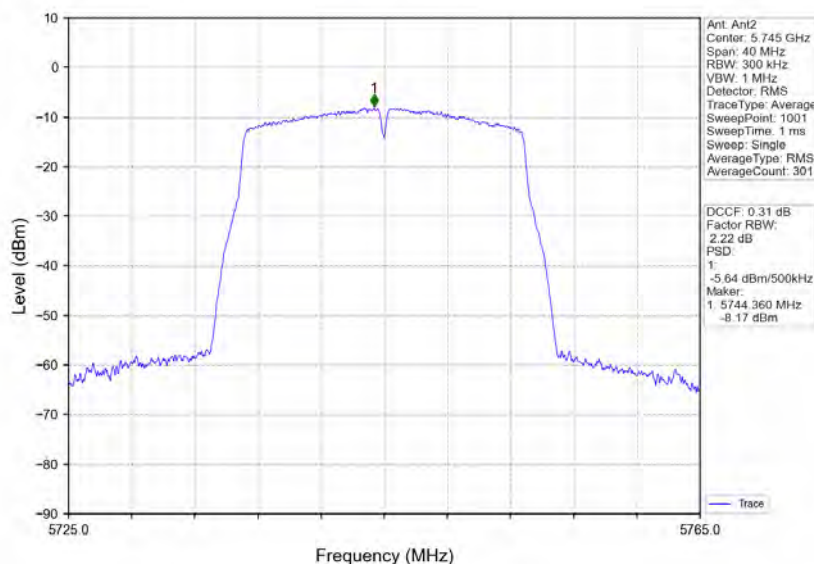
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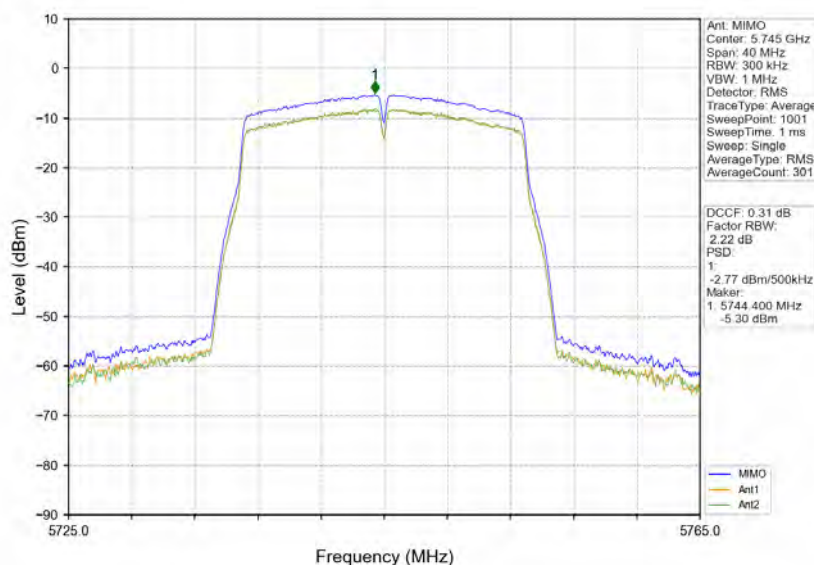
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802.11ac(VHT20) LCH 5745MHz Ant2 NTN



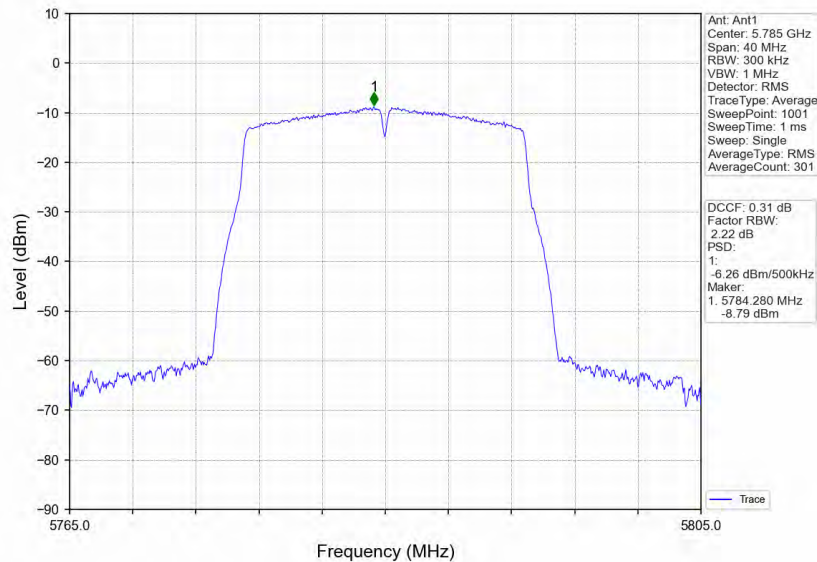
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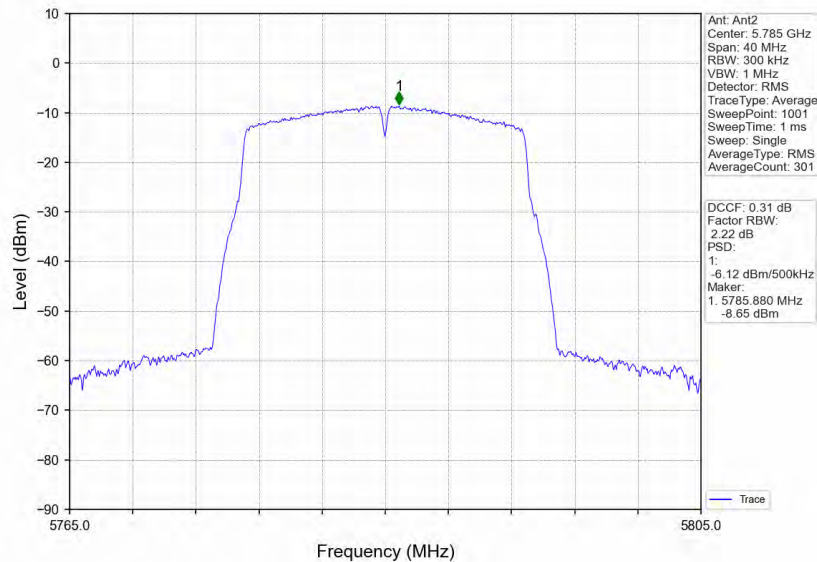
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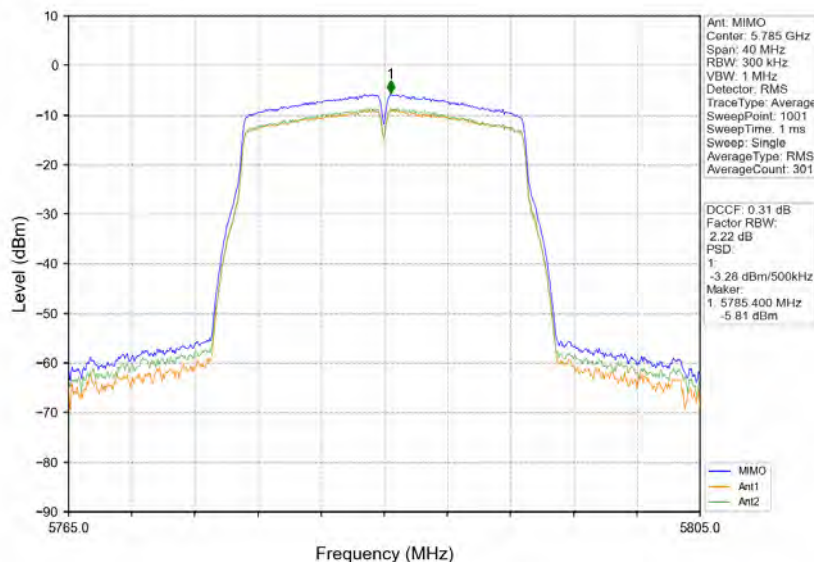
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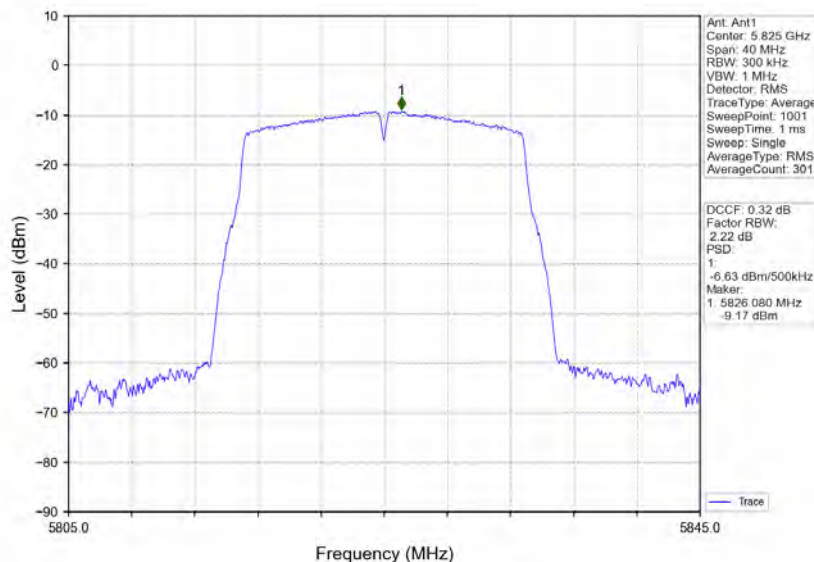
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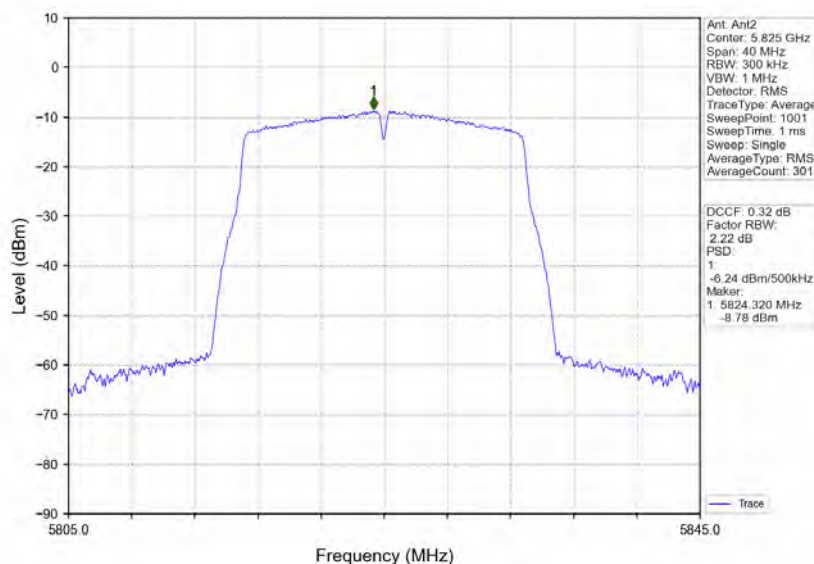
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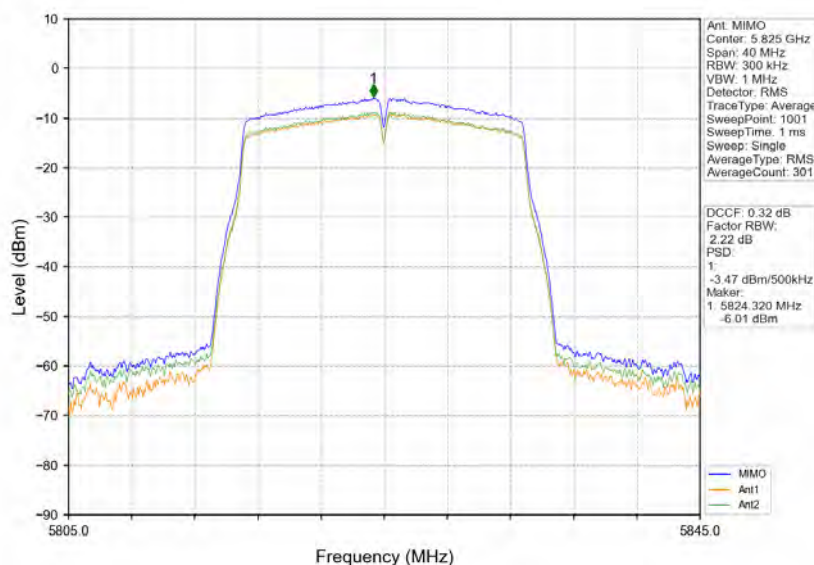
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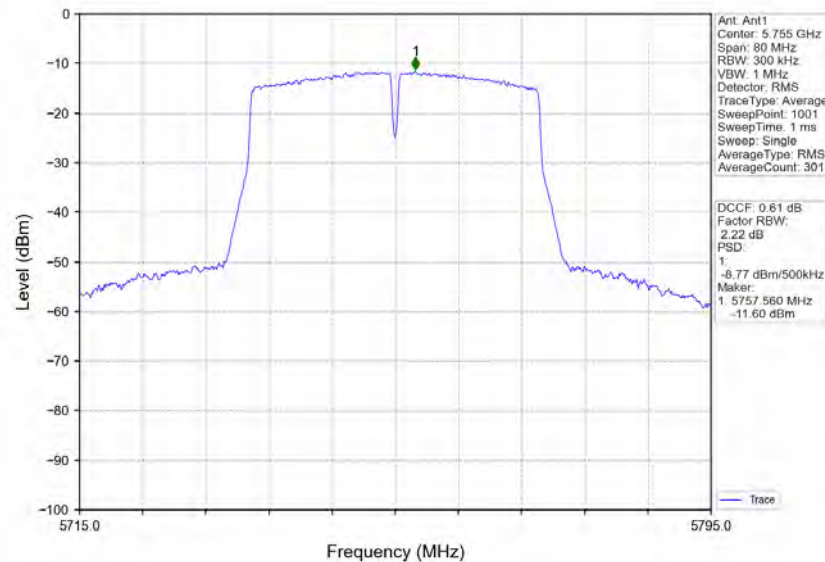
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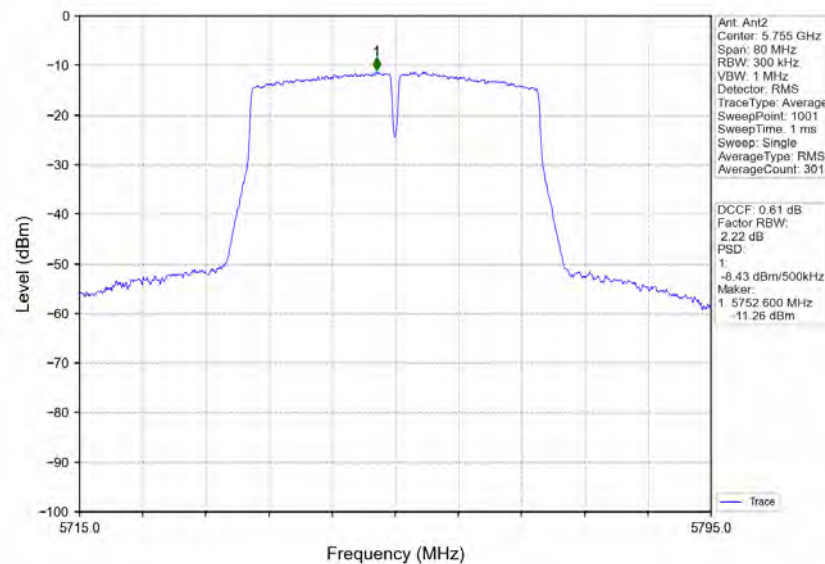
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802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



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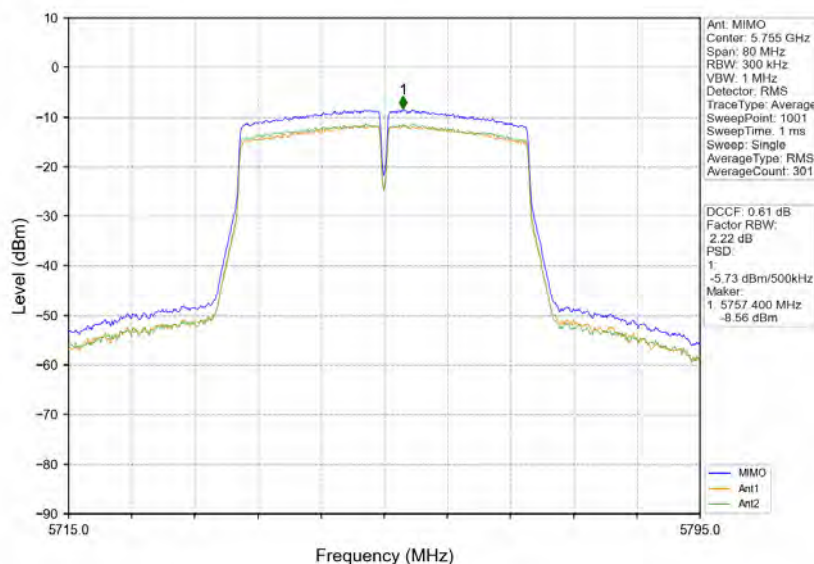
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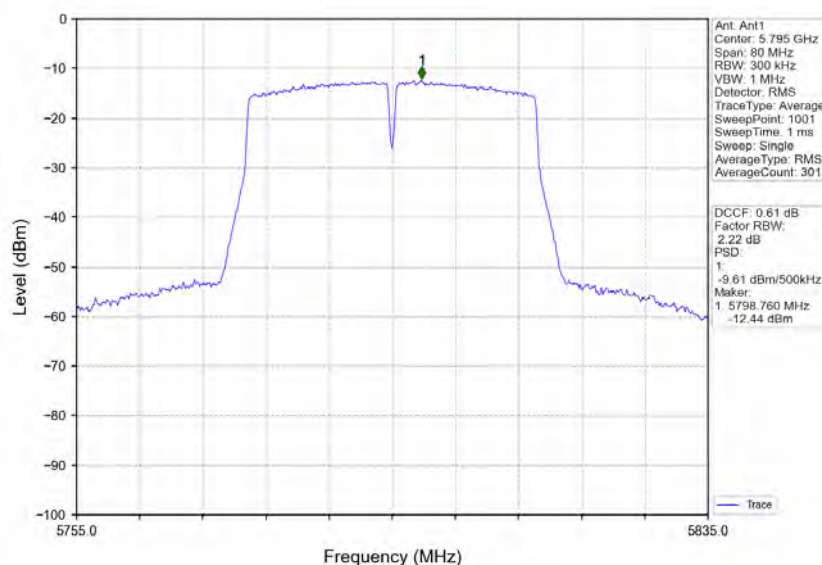
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802.11ac(VHT40) LCH 5755MHz MIMO NTN



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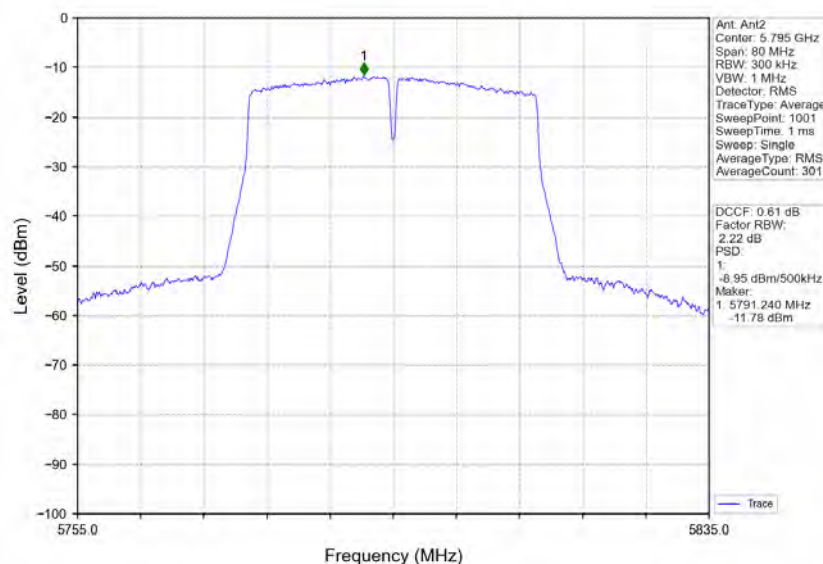
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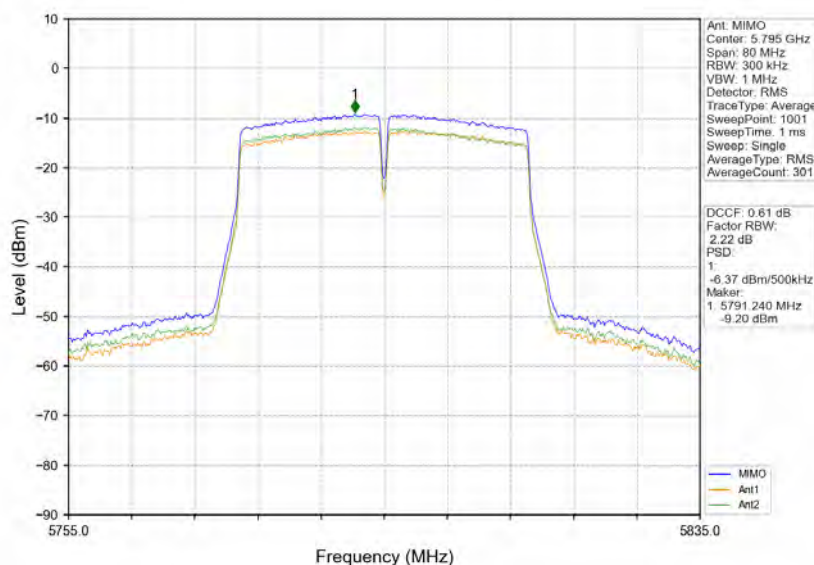
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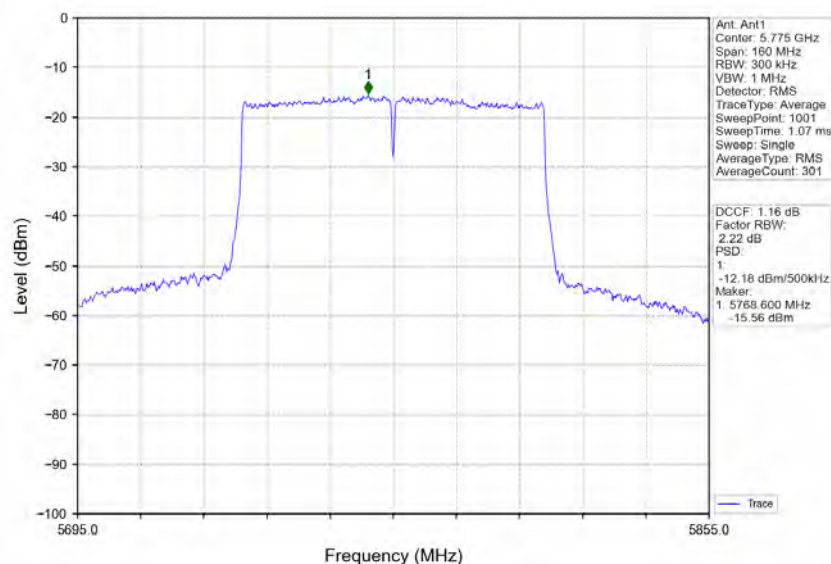
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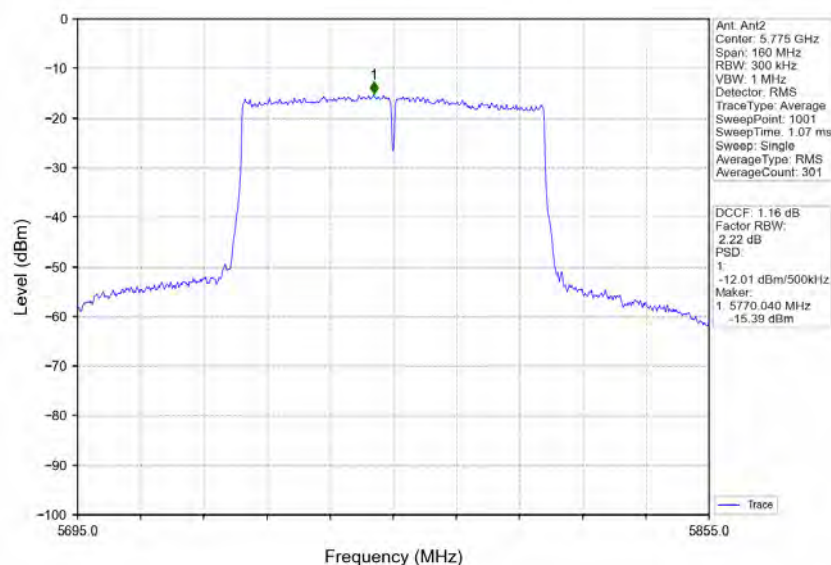
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802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



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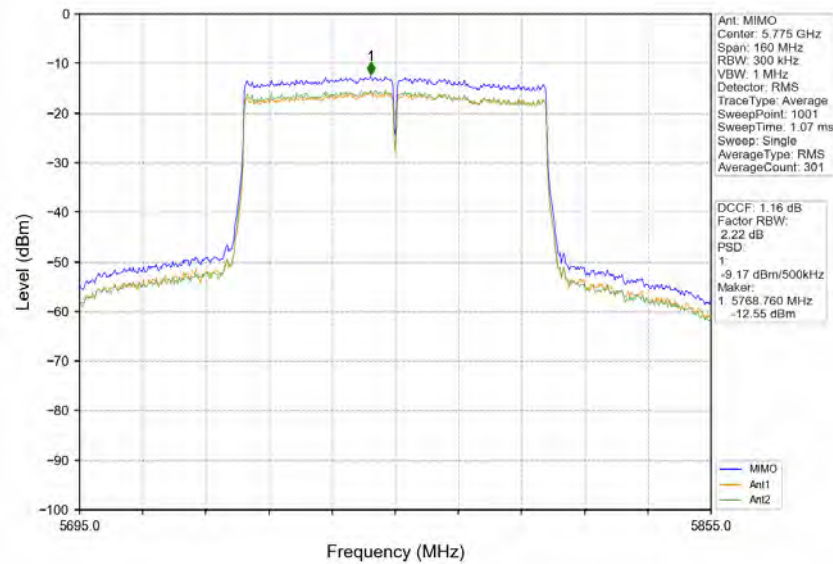
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802.11ac(VHT80) MCH 5775MHz MIMO NTN



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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
			-30	120	5179.900	5150 to 5250	Pass
				120	5180.000	5150 to 5250	Pass
				120	5179.960	5150 to 5250	Pass
			0	120	5179.960	5150 to 5250	Pass
				120	5179.940	5150 to 5250	Pass
				120	5179.920	5150 to 5250	Pass
			10	120	5179.900	5150 to 5250	Pass
				120	5179.940	5150 to 5250	Pass
				120	5179.900	5150 to 5250	Pass
		5200	20	102	5199.940	5150 to 5250	Pass
				120	5199.920	5150 to 5250	Pass
				138	5199.900	5150 to 5250	Pass
			-30	120	5199.900	5150 to 5250	Pass
				120	5200.000	5150 to 5250	Pass
				120	5199.920	5150 to 5250	Pass
			0	120	5200.040	5150 to 5250	Pass
				120	5199.920	5150 to 5250	Pass
				120	5200.020	5150 to 5250	Pass
			10	120	5199.900	5150 to 5250	Pass
				120	5199.940	5150 to 5250	Pass
				120	5199.900	5150 to 5250	Pass
		5240	20	102	5239.980	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
				138	5239.900	5150 to 5250	Pass
			-30	120	5239.960	5150 to 5250	Pass
				120	5239.920	5150 to 5250	Pass
				120	5239.960	5150 to 5250	Pass
			0	120	5239.980	5150 to 5250	Pass
				120	5239.900	5150 to 5250	Pass
				120	5239.920	5150 to 5250	Pass
			10	120	5239.960	5150 to 5250	Pass
				120	5239.920	5150 to 5250	Pass
				120	5239.900	5150 to 5250	Pass
		5745	20	102	5745.000	5725 to 5850	Pass
				120	5744.960	5725 to 5850	Pass
				138	5744.960	5725 to 5850	Pass
			-30	120	5744.940	5725 to 5850	Pass
				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	Pass
				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
			30	120	5199.940	5150 to 5250	Pass
			40	120	5199.940	5150 to 5250	Pass
			50	120	5199.920	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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		5745	-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
			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
			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
			-10	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
			-10	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
			-10	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)	MIMO	5180	20	102	5180.000	5150 to 5250	Pass
				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
			-10	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
			-10	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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			30	120	5200.040	5150 to 5250	Pass
			40	120	5199.980	5150 to 5250	Pass
			50	120	5200.000	5150 to 5250	Pass
		5240	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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No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300

中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

t(86-512)57355888 f(86-512)57370818 www.sgs.com.cn

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802.11ac (VHT80)	MIMO		-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
		5230	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
		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	120	5774.925	5725 to 5850	Pass
		-20	120	5775.000	5725 to 5850	Pass
		-10	120	5774.925	5725 to 5850	Pass
		0	120	5775.075	5725 to 5850	Pass
		10	120	5774.850	5725 to 5850	Pass
		30	120	5774.925	5725 to 5850	Pass
		40	120	5775.000	5725 to 5850	Pass
		50	120	5774.925	5725 to 5850	Pass



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t(86-512)57355888 f(86-512)57370818 sgs.china@sgs.com