

Appendix D for KSCR220400050304

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

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



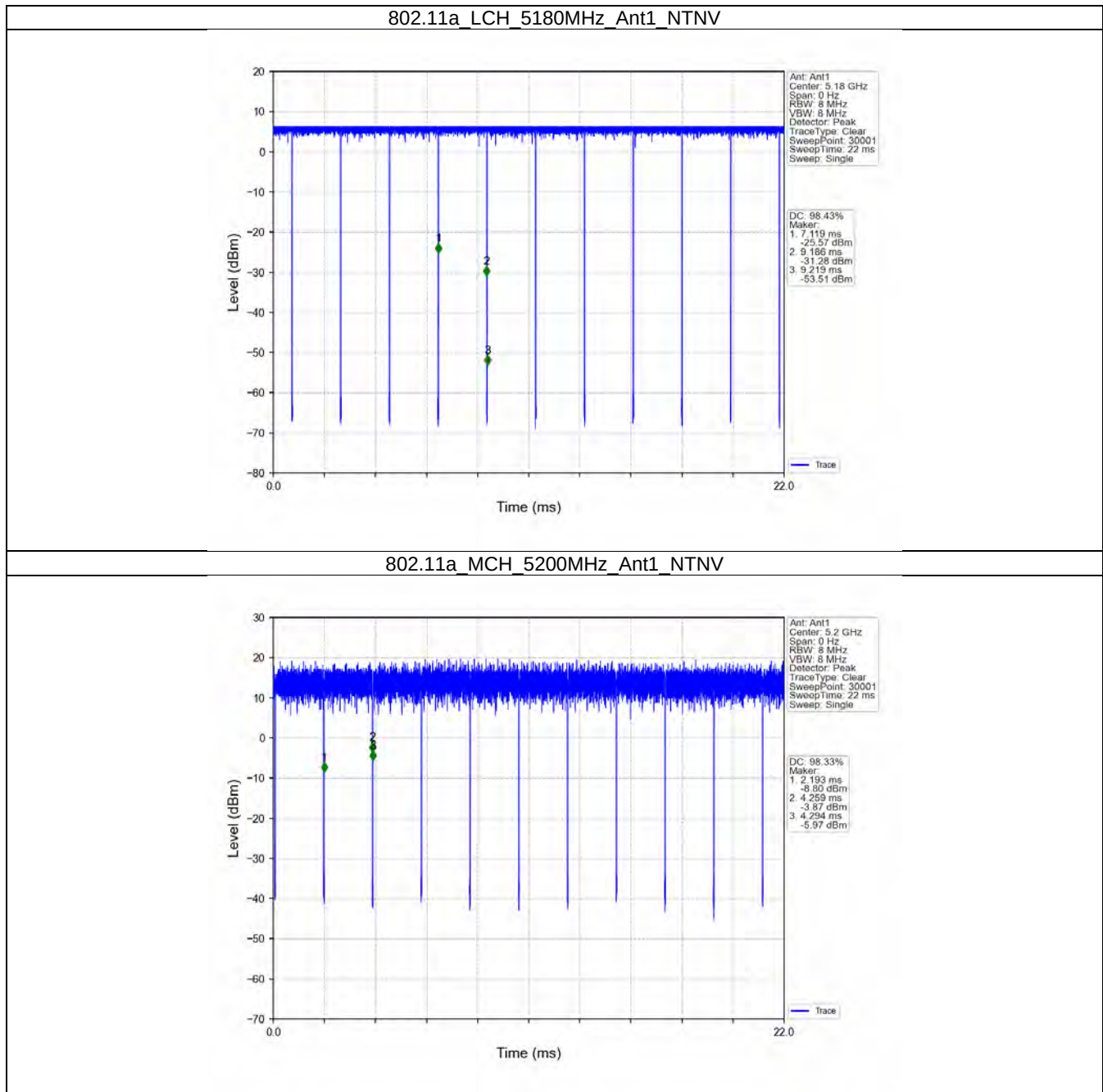
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1.1.2 Test Graph



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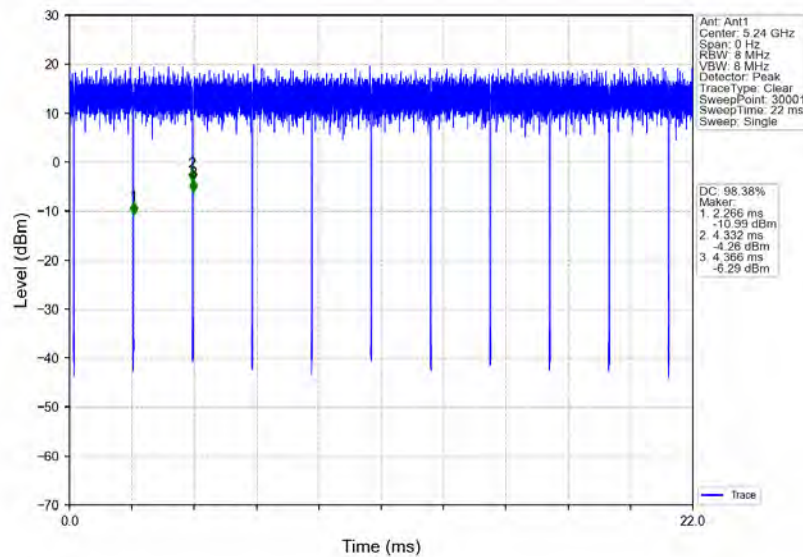
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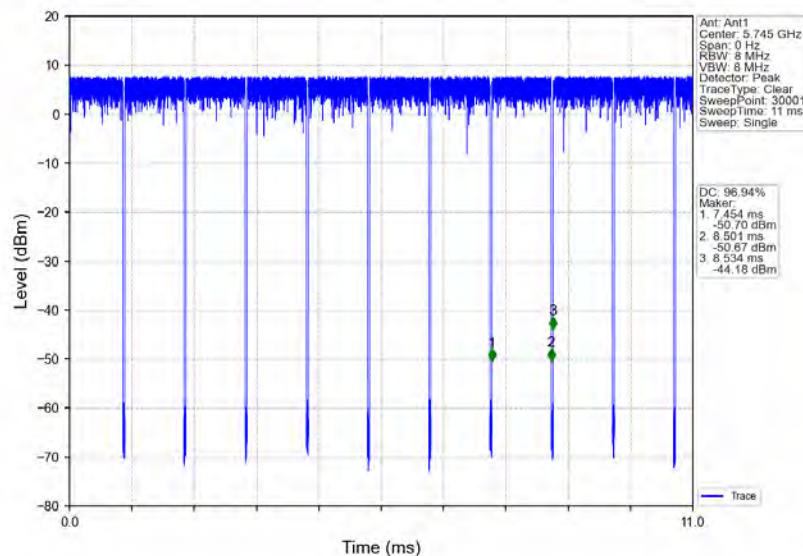
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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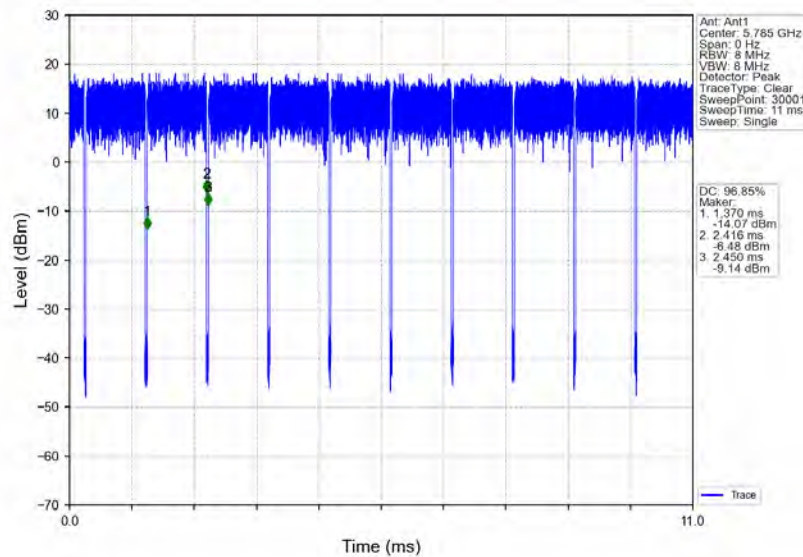
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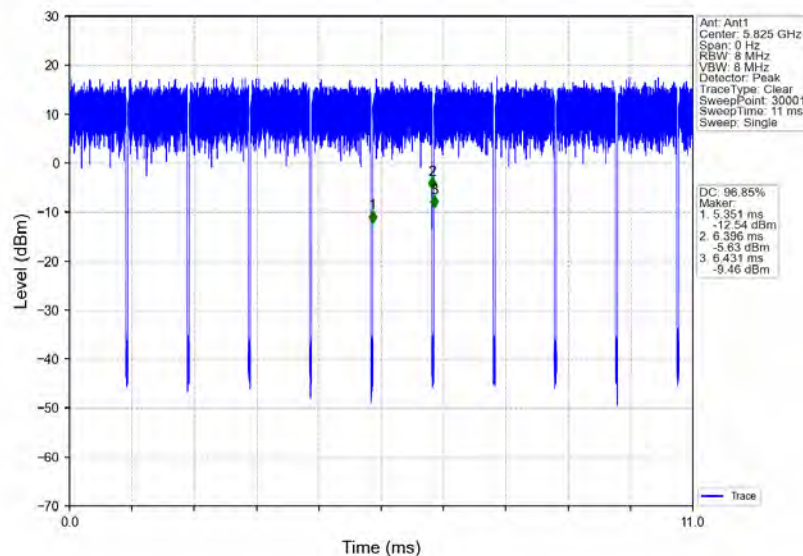
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802.11a_MCH 5785MHz_Ant1_NTNV



802.11a_HCH 5825MHz_Ant1_NTNV



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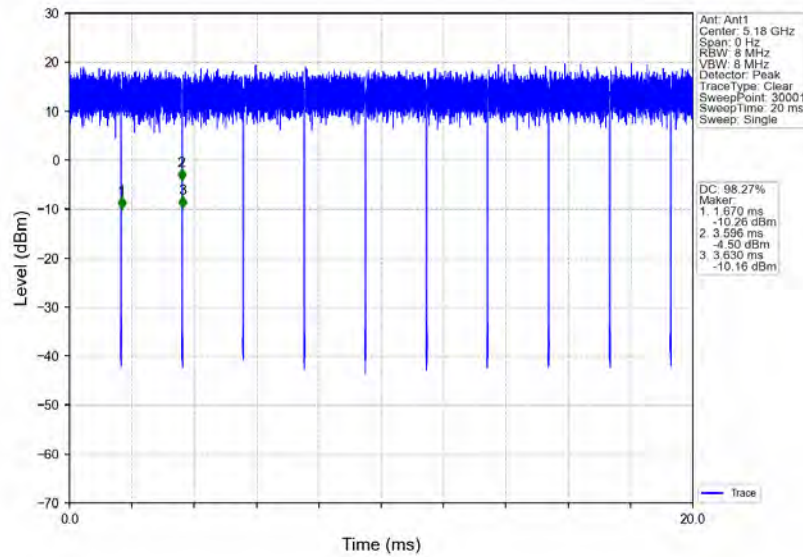
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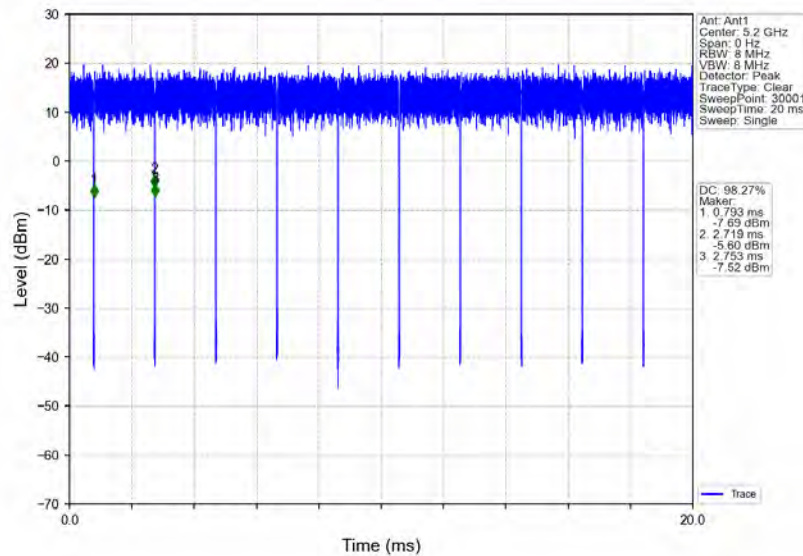
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) MCH 5200MHz Ant1 NTN



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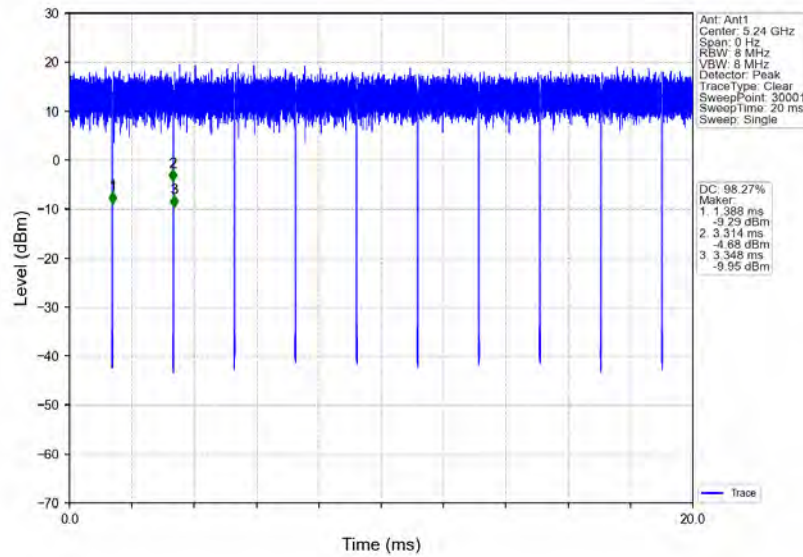
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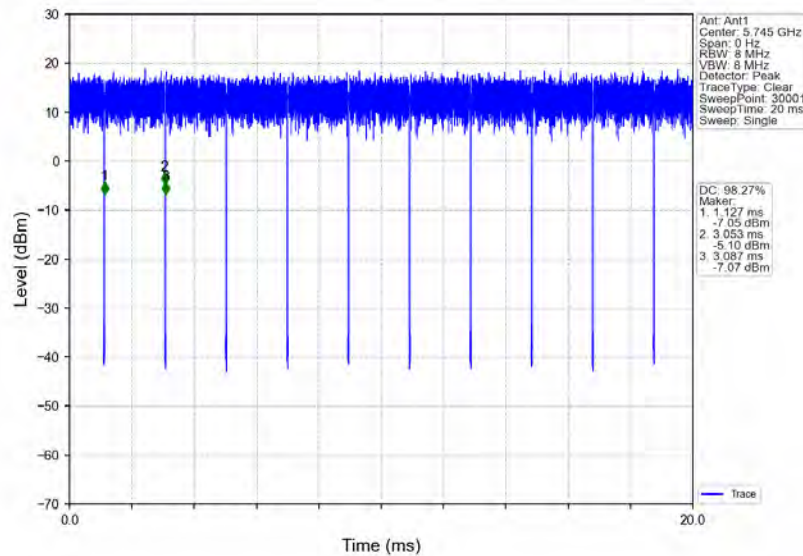
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802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant1 NTN

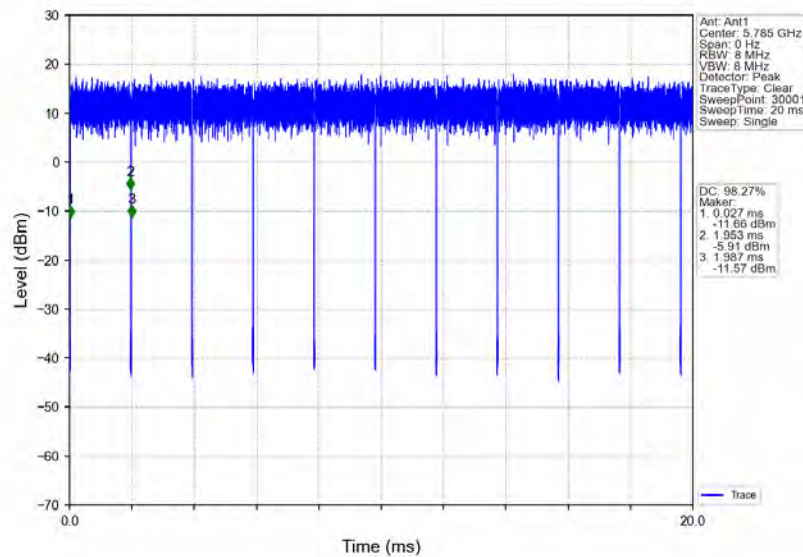


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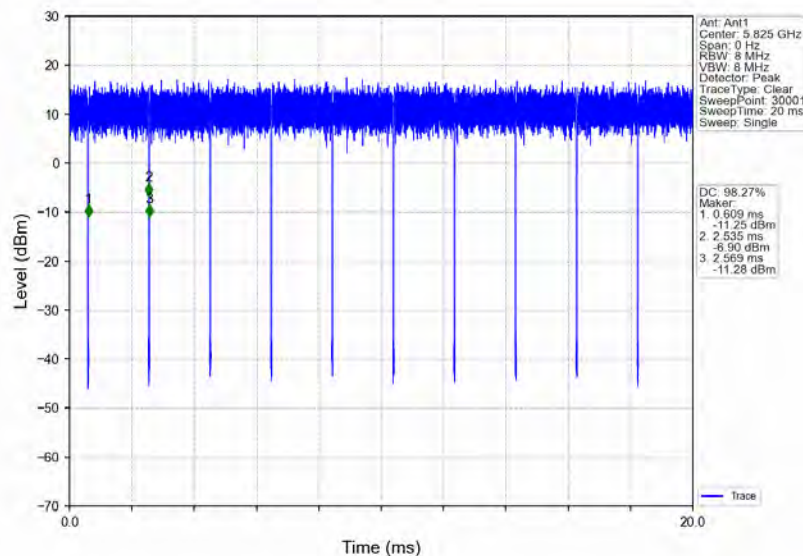
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802.11n(HT20) HCH 5825MHz Ant1 NTNV



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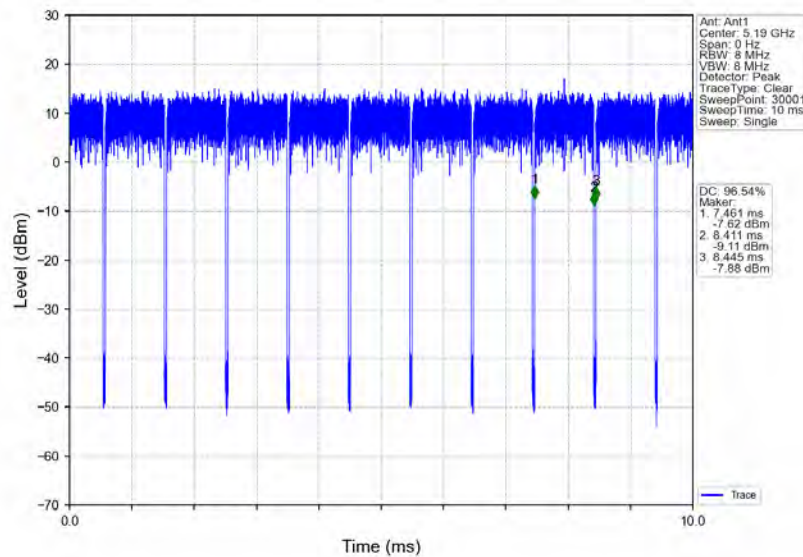
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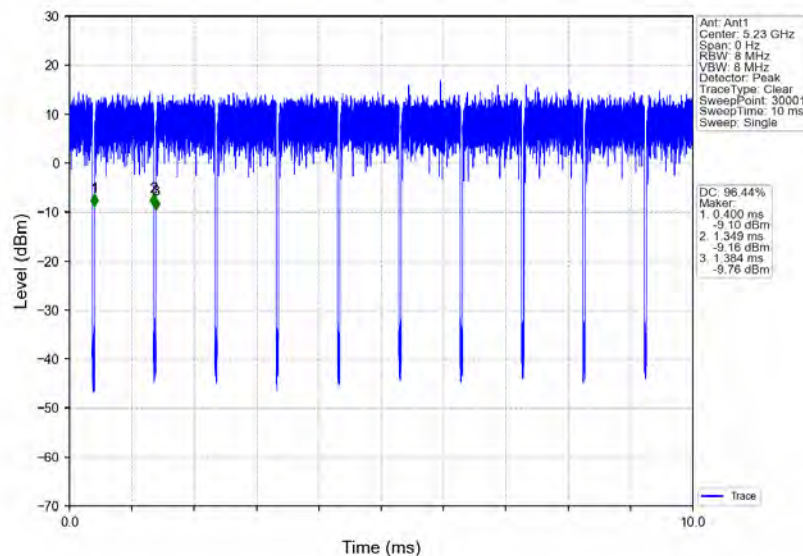
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802.11n(HT40) HCH 5230MHz Ant1 NTN



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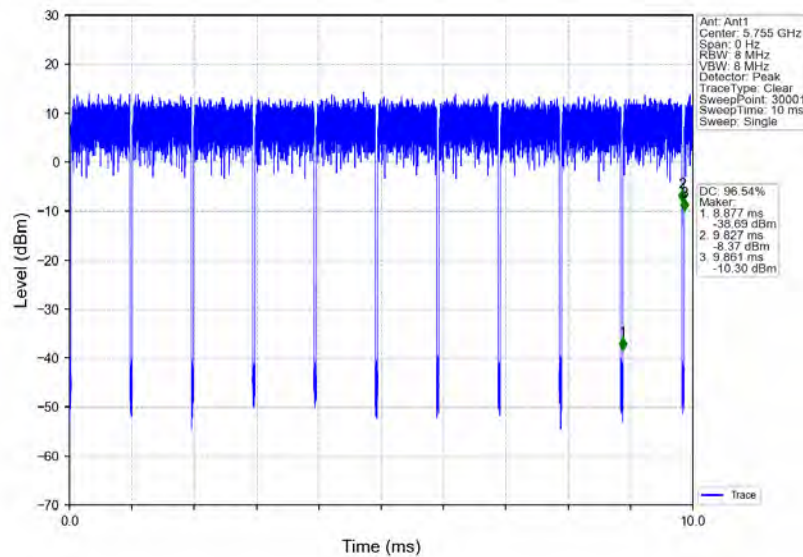
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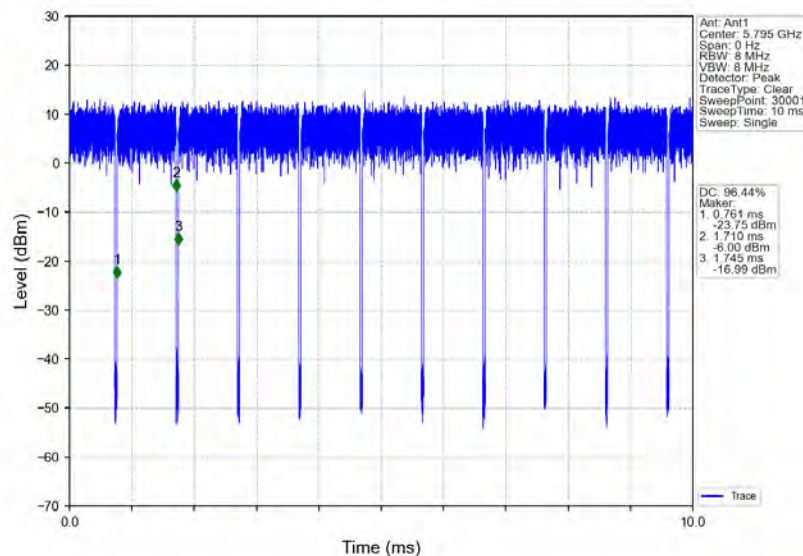
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



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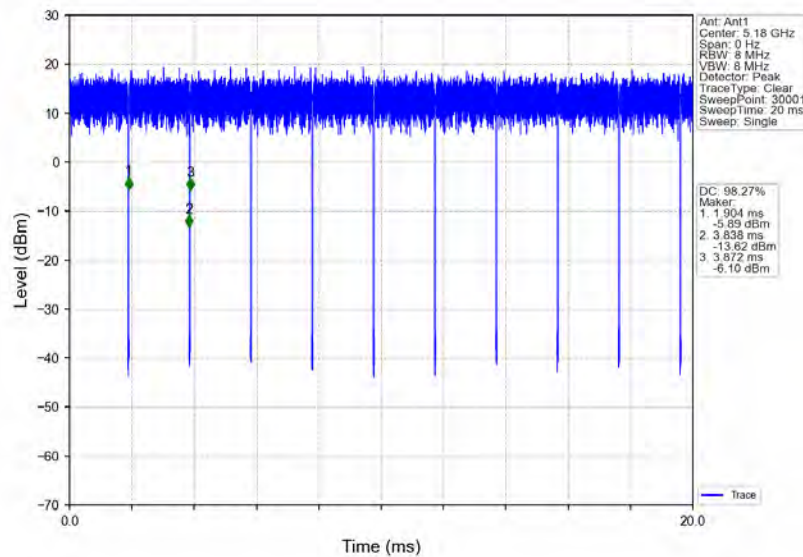
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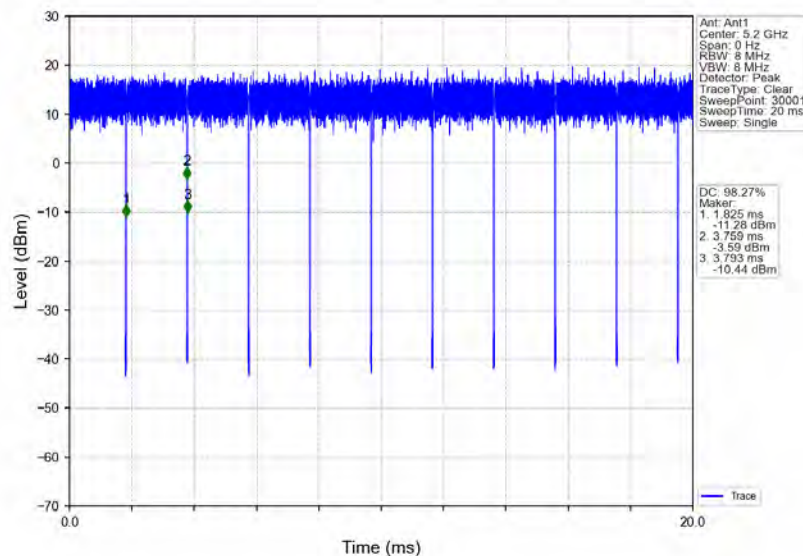
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



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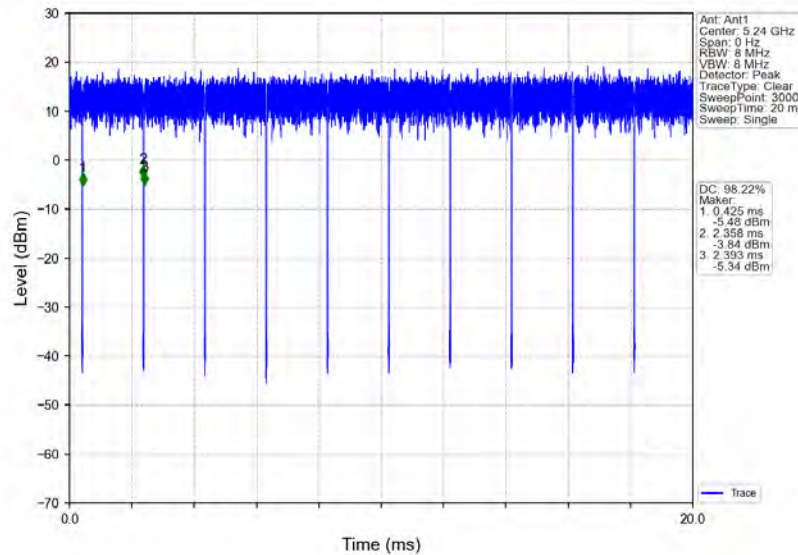
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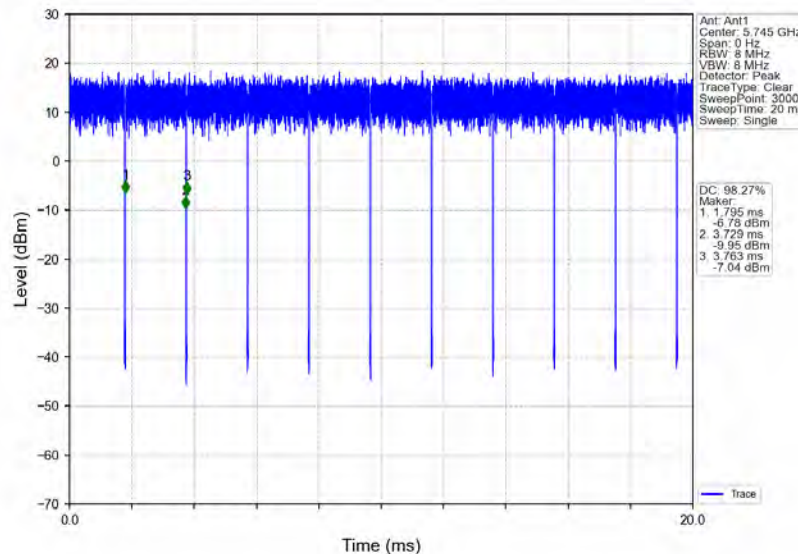
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802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant1 NTN



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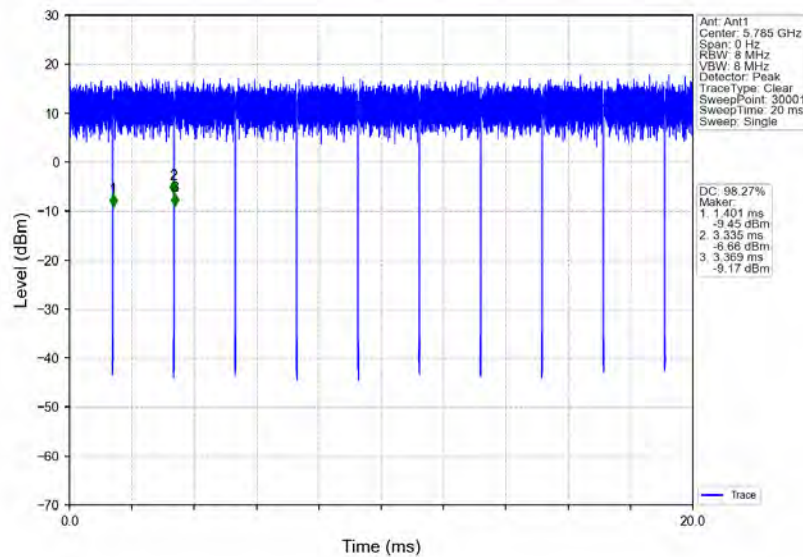
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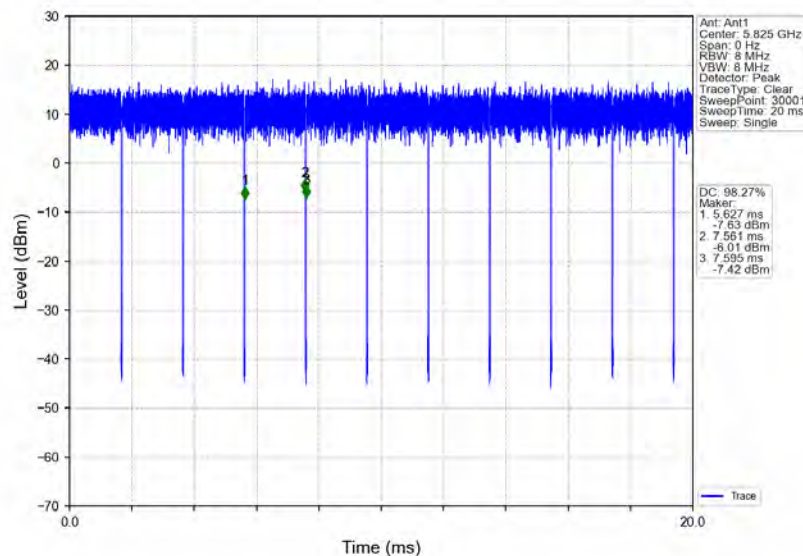
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802.11ac(VHT20) MCH 5785MHz Ant1 NTN



802.11ac(VHT20) HCH 5825MHz Ant1 NTN



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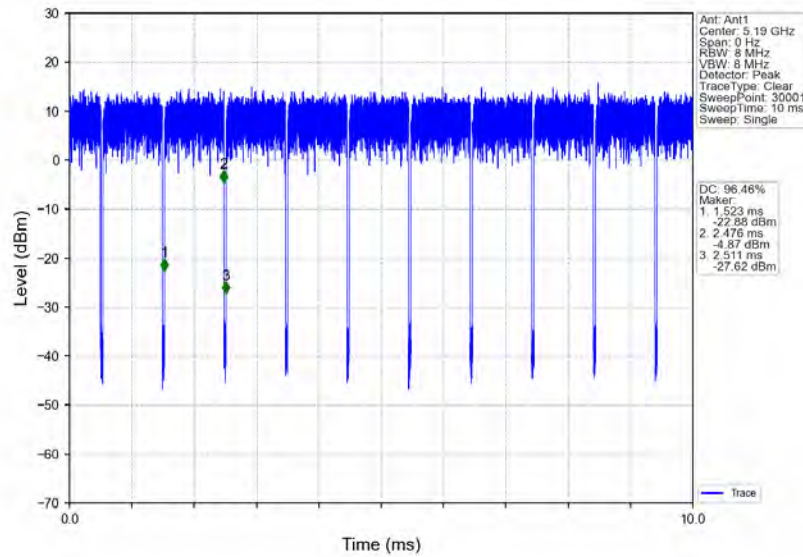
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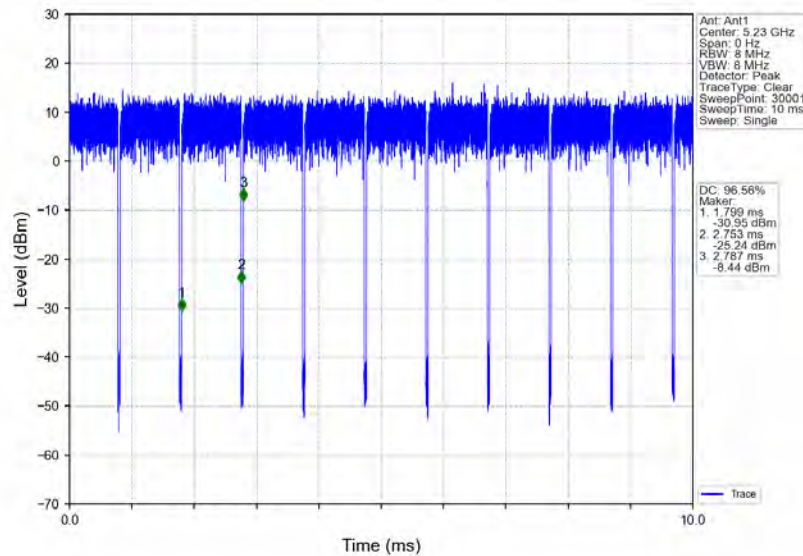
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



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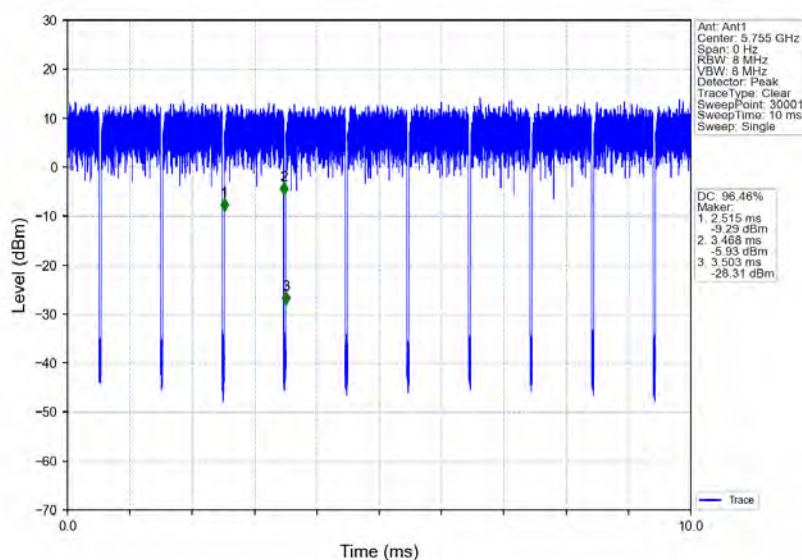
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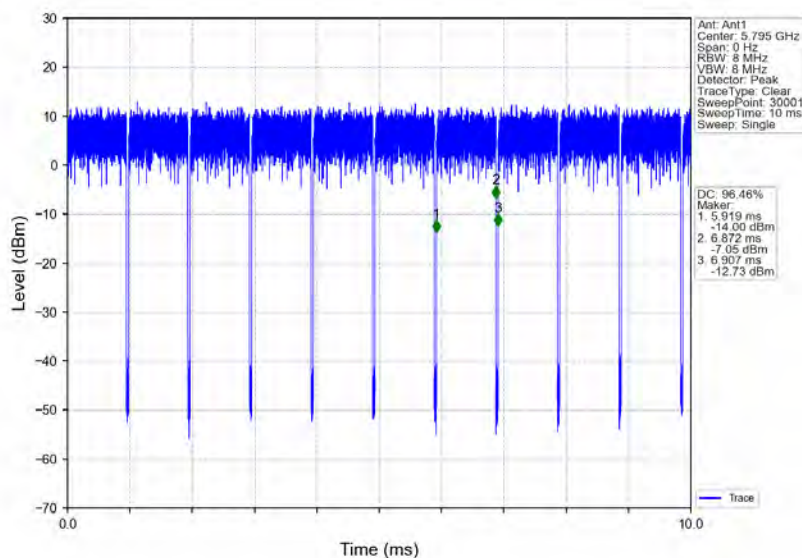
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



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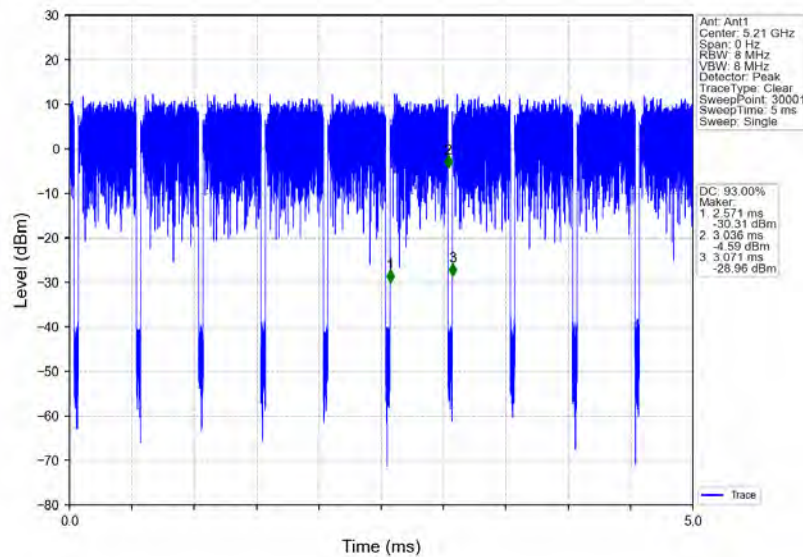
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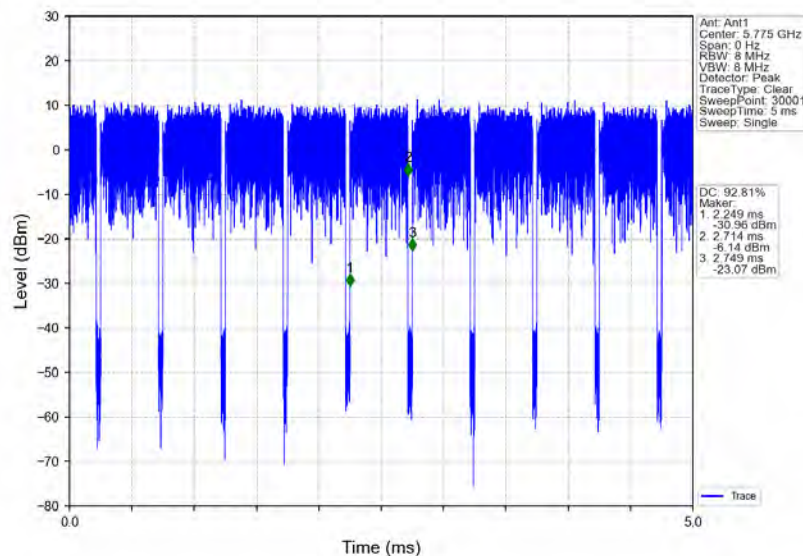
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802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	17.556	Pass
		5200	1	17.622	Pass
		5240	1	17.596	Pass
		5745	1	17.517	Pass
		5785	1	17.438	Pass
		5825	1	17.489	Pass
802.11n (HT20)	SISO	5180	1	18.651	Pass
		5200	1	18.584	Pass
		5240	1	18.664	Pass
		5745	1	18.712	Pass
		5785	1	18.631	Pass
		5825	1	18.612	Pass
802.11n (HT40)	SISO	5190	1	37.301	Pass
		5230	1	37.164	Pass
		5755	1	37.369	Pass
		5795	1	37.389	Pass
802.11ac (VHT20)	SISO	5180	1	18.646	Pass
		5200	1	18.629	Pass
		5240	1	18.613	Pass
		5745	1	18.671	Pass
		5785	1	18.602	Pass
		5825	1	18.623	Pass
802.11ac (VHT40)	SISO	5190	1	37.316	Pass
		5230	1	37.128	Pass
		5755	1	37.392	Pass
		5795	1	37.212	Pass
802.11ac (VHT80)	SISO	5210	1	76.986	Pass
		5775	1	77.261	Pass



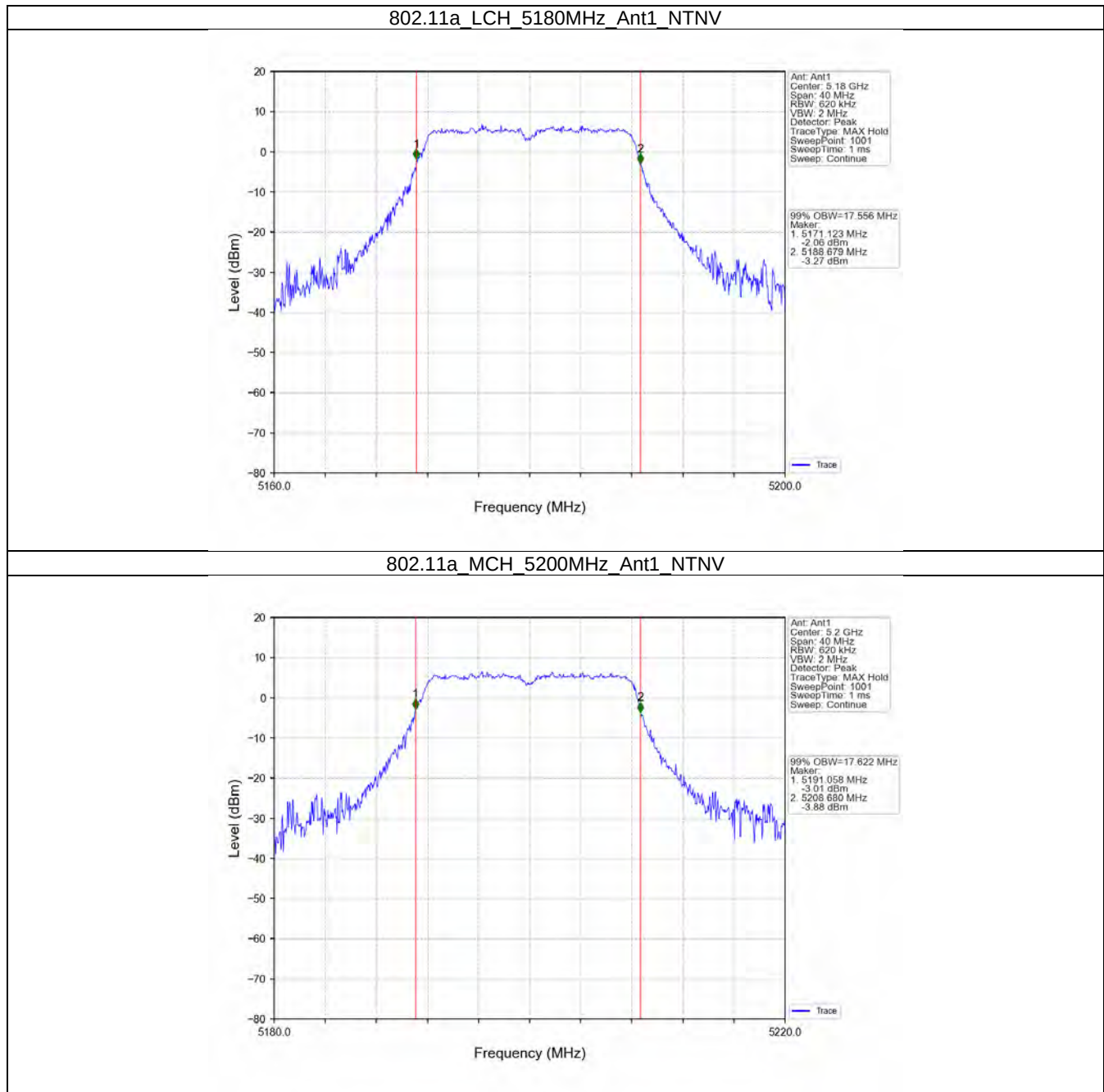
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2.1.2 Test Graph



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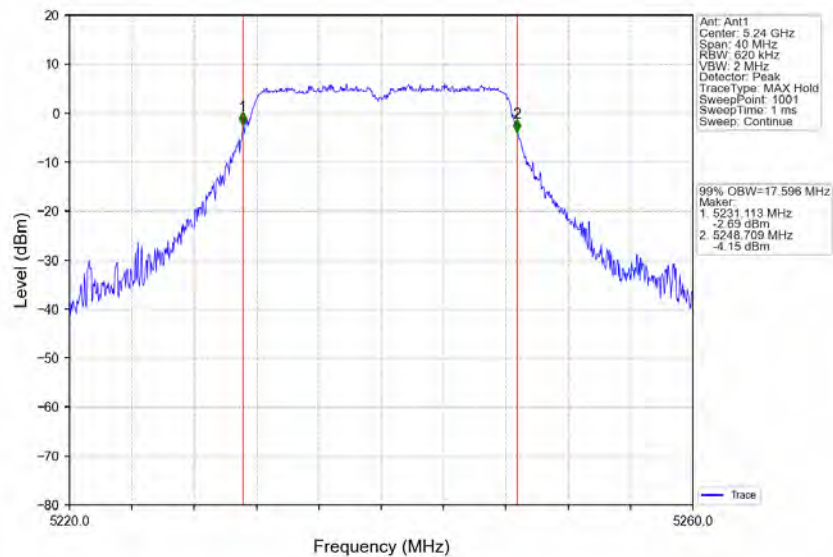
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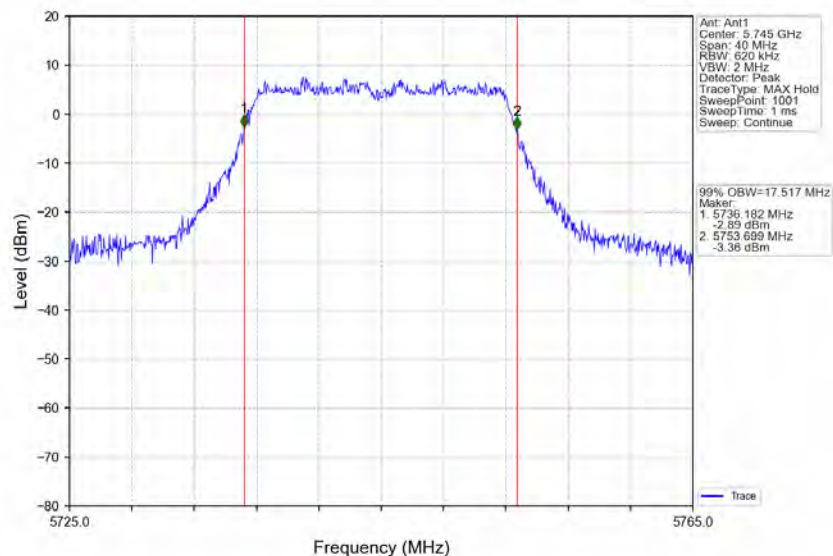
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV



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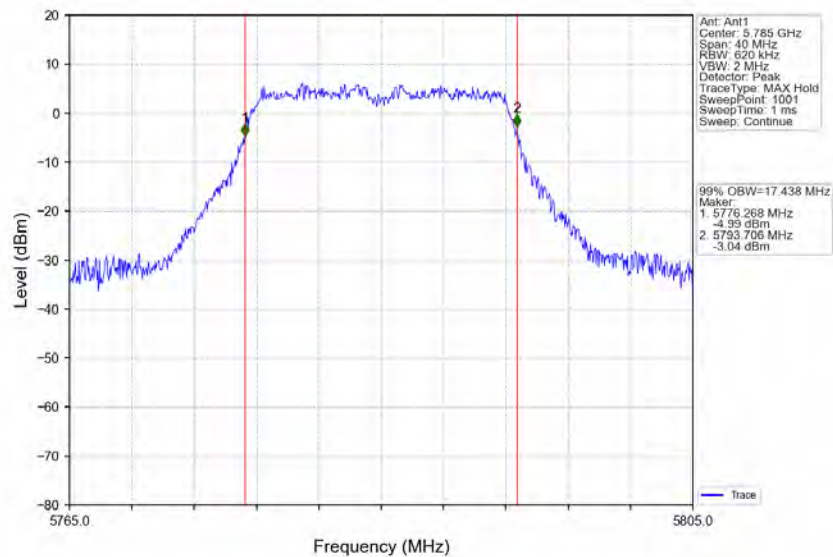
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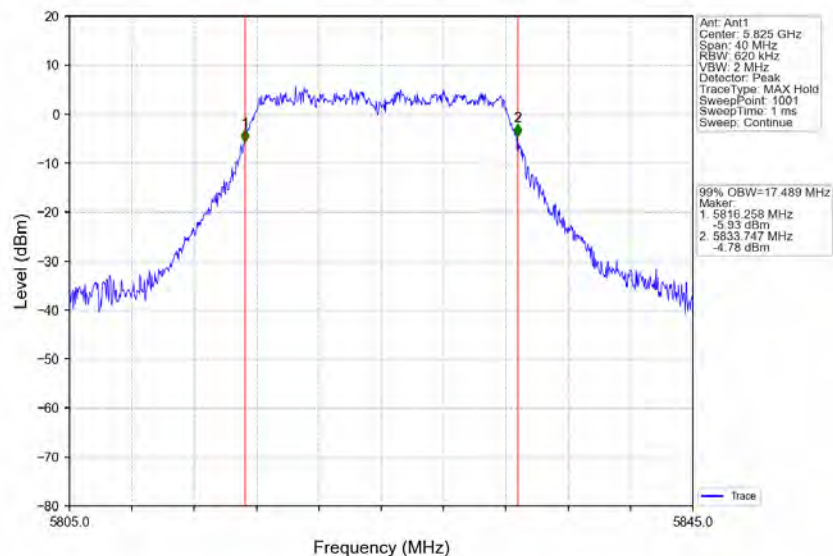
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802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV



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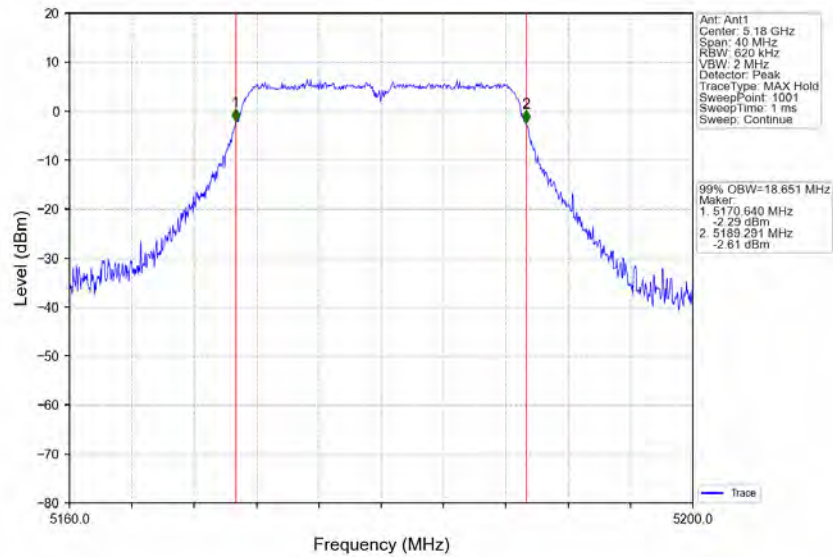
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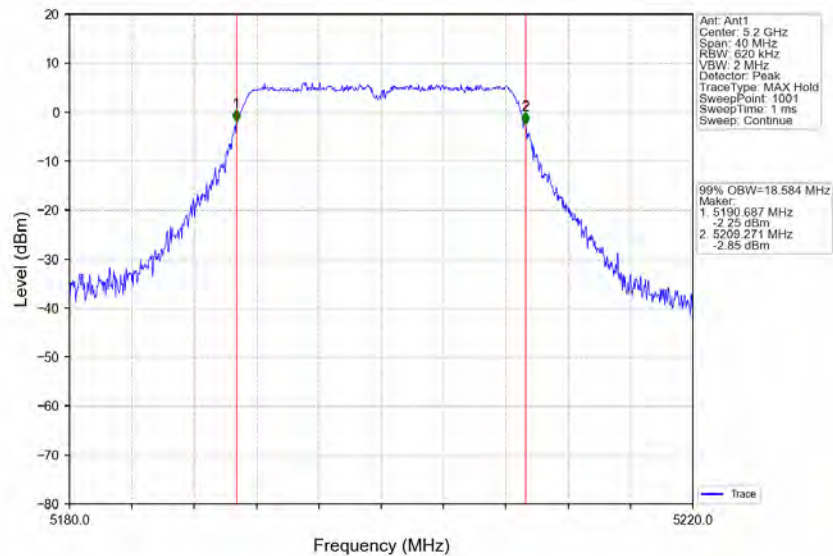
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) MCH 5200MHz Ant1 NTN



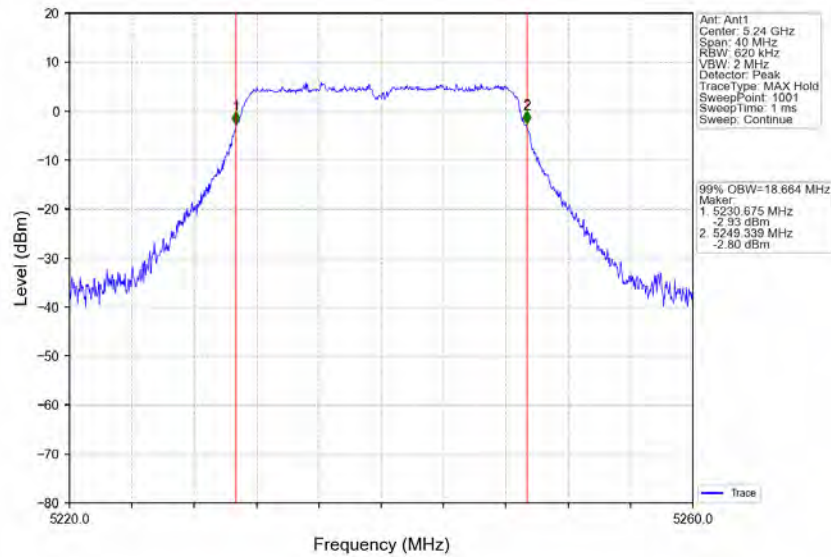
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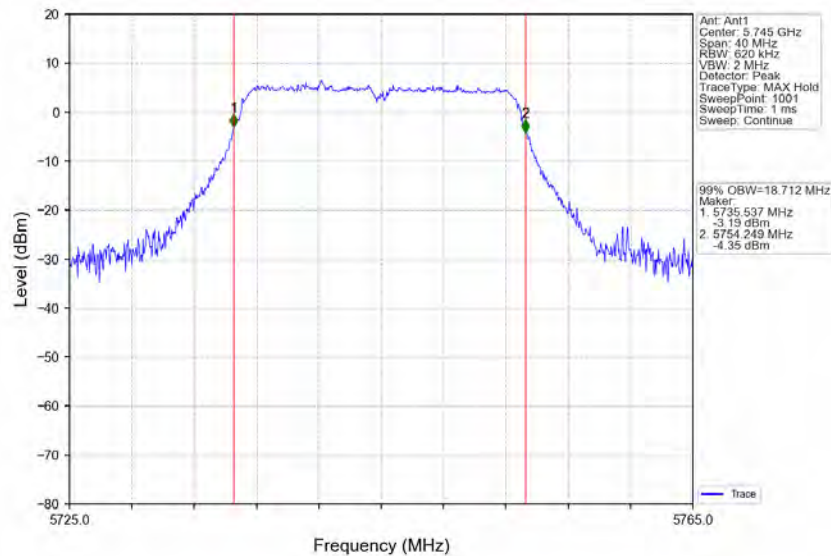
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802.11n(HT20) HCH 5240MHz Ant1 NTN



802.11n(HT20) LCH 5745MHz Ant1 NTN



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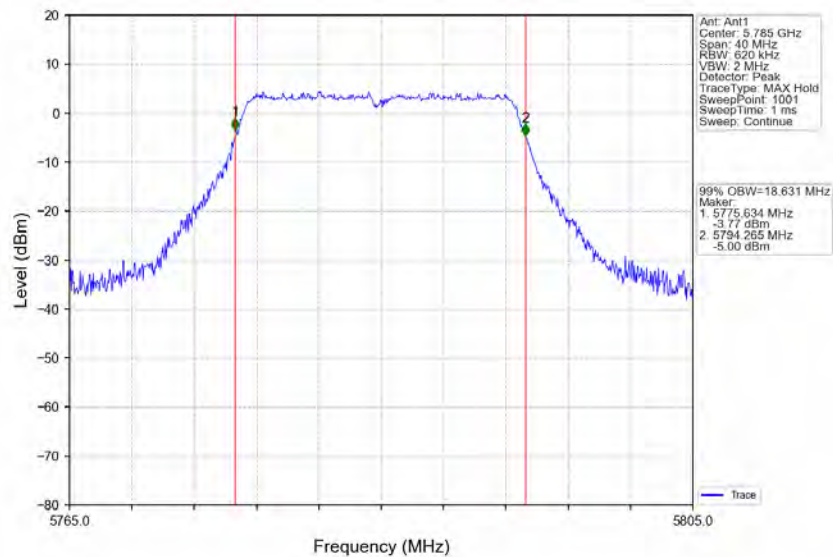
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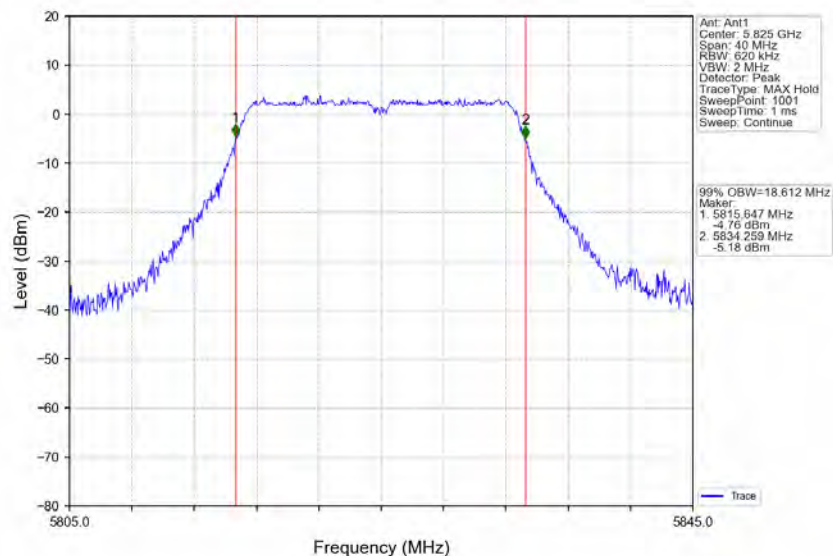
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802.11n(HT20) MCH 5785MHz Ant1_NTNV



802.11n(HT20) HCH 5825MHz Ant1_NTNV



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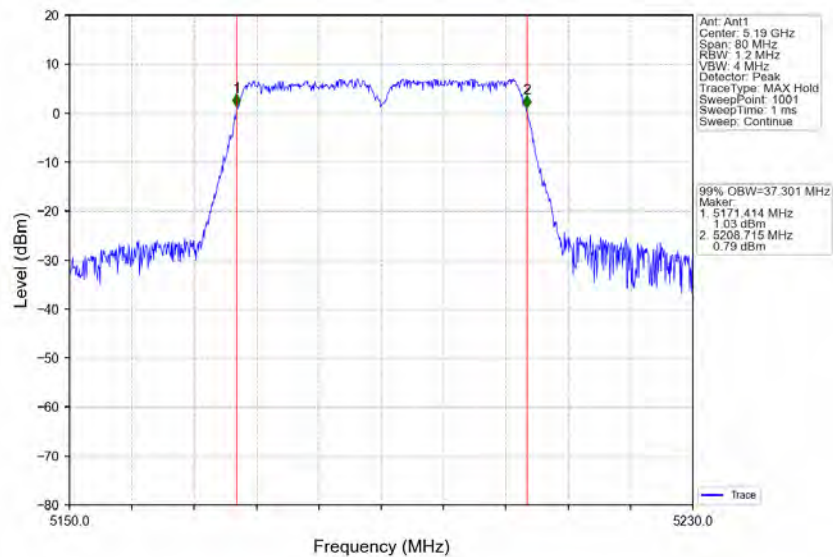
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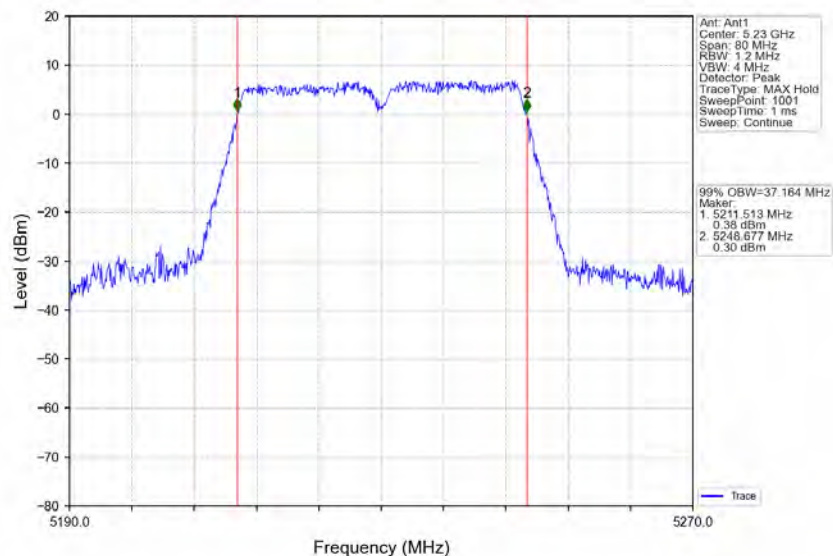
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) HCH 5230MHz Ant1 NTN



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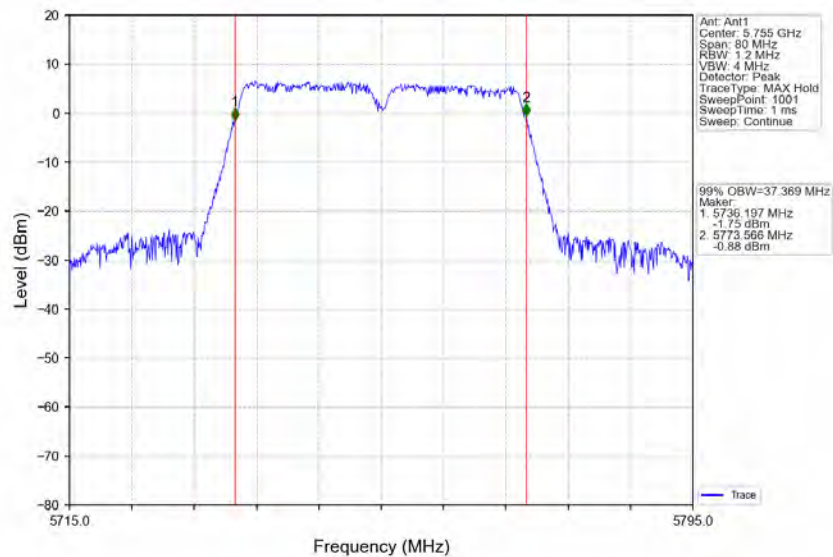
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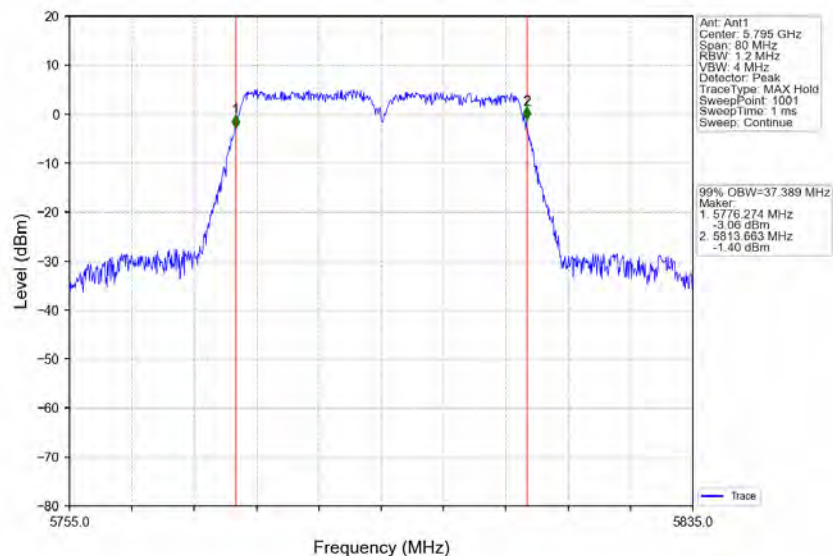
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802.11n(HT40) HCH 5795MHz Ant1 NTN

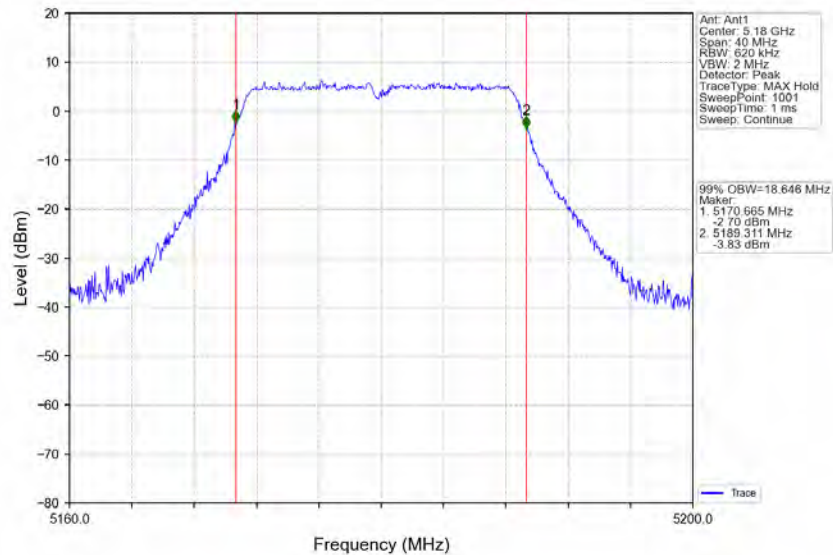


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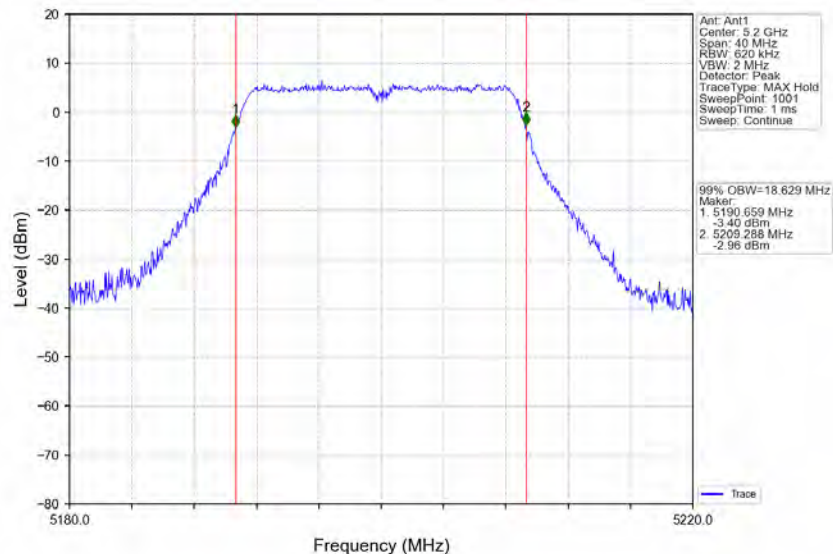
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



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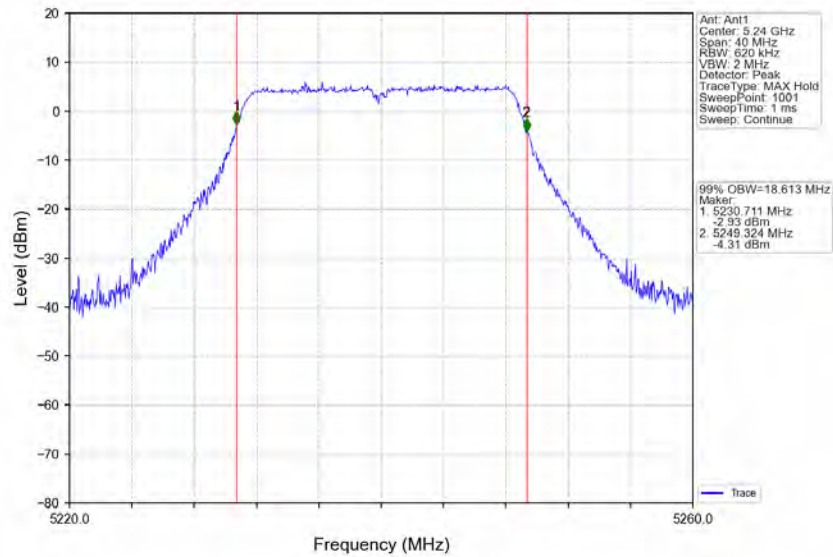
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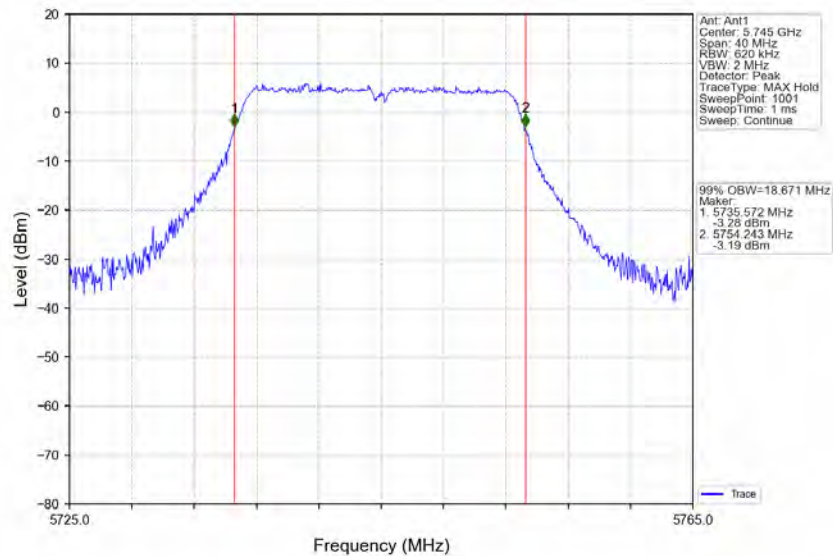
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802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant1 NTN



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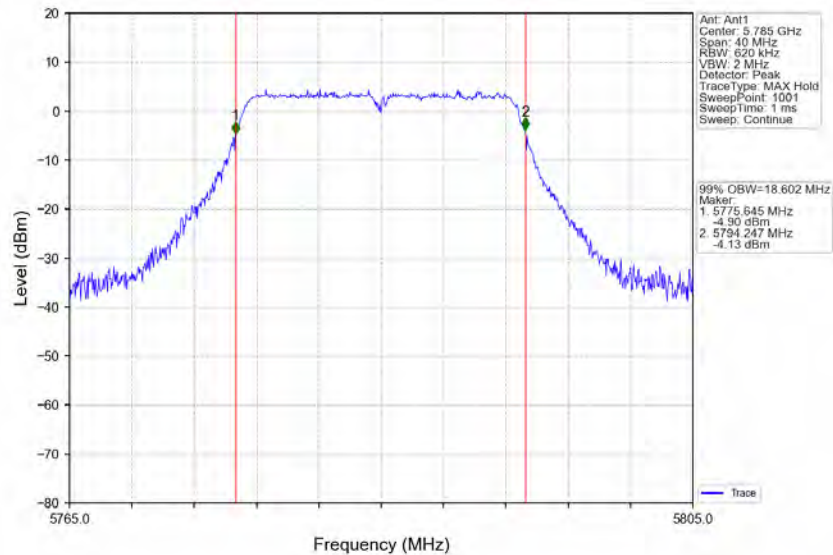
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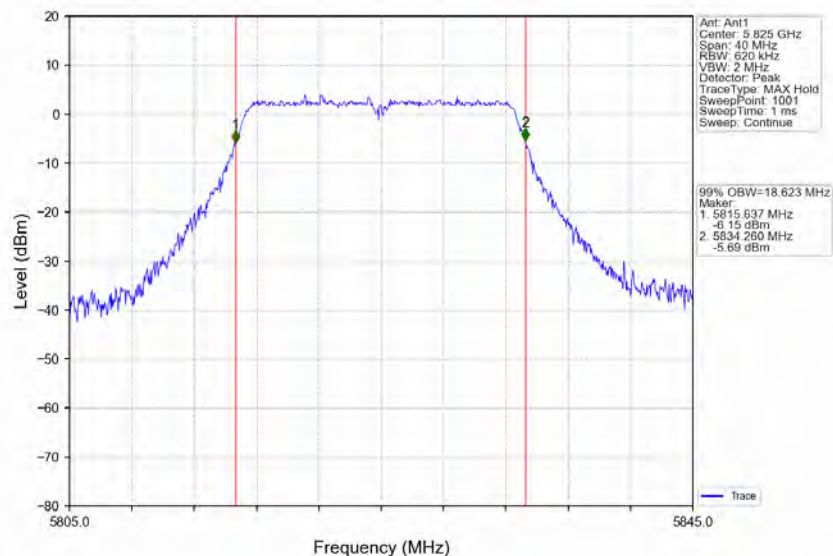
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802.11ac(VHT20) MCH 5785MHz Ant1 NTN



802.11ac(VHT20) HCH 5825MHz Ant1 NTN

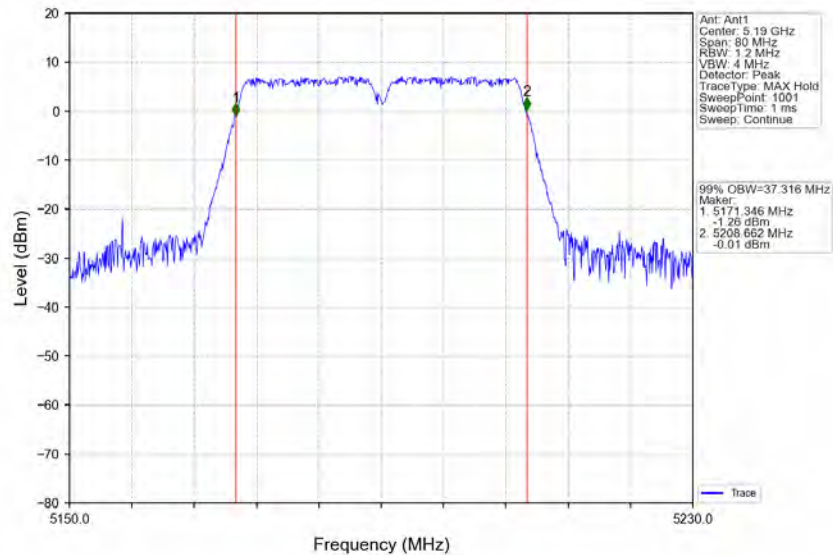


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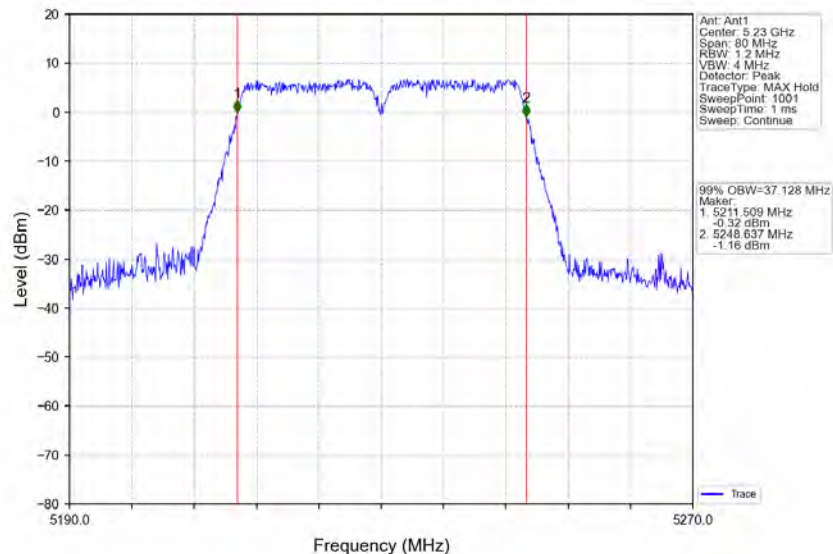
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



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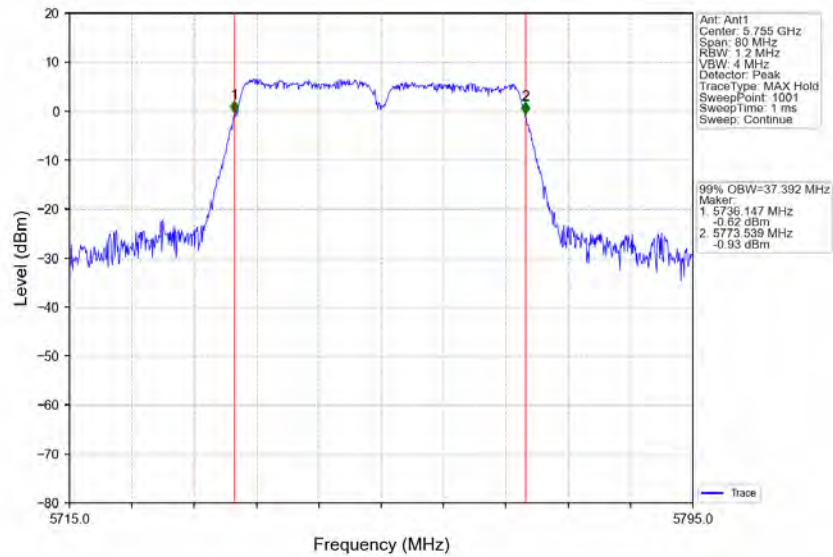
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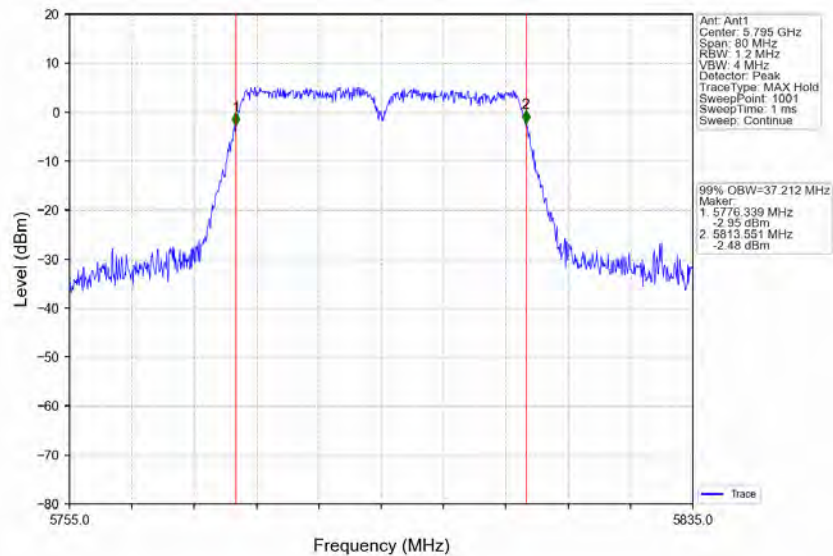
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802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



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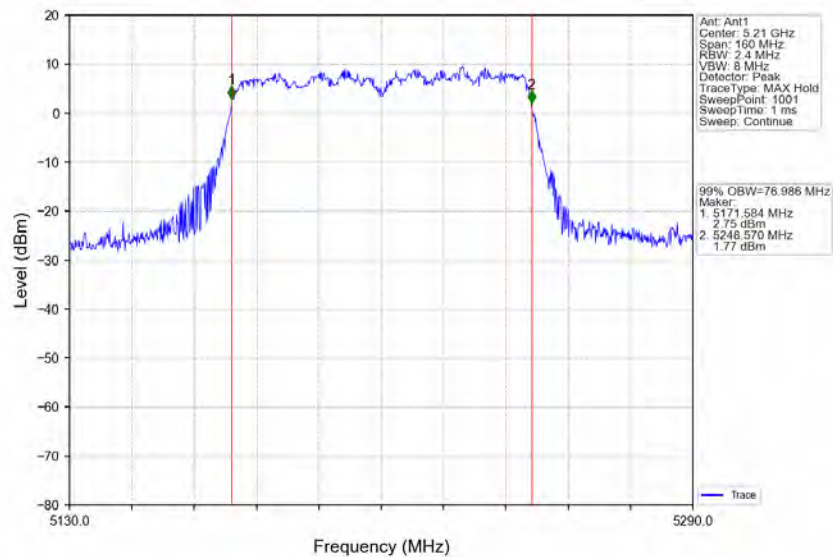
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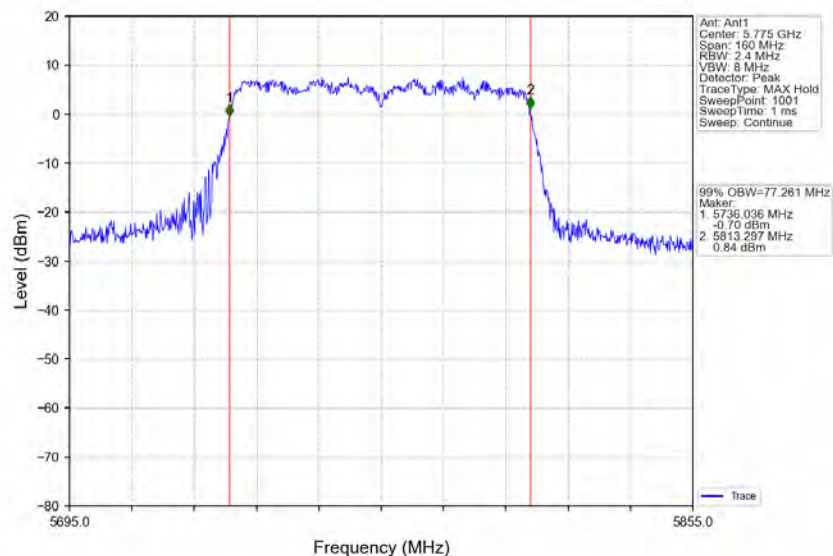
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802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.466	≥ 0.5	Pass
		5785	1	16.457	≥ 0.5	Pass
		5825	1	16.458	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	17.640	≥ 0.5	Pass
		5785	1	17.596	≥ 0.5	Pass
		5825	1	17.582	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	36.327	≥ 0.5	Pass
		5795	1	36.350	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	1	17.601	≥ 0.5	Pass
		5785	1	17.611	≥ 0.5	Pass
		5825	1	17.591	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	1	36.369	≥ 0.5	Pass
		5795	1	36.357	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.792	≥ 0.5	Pass



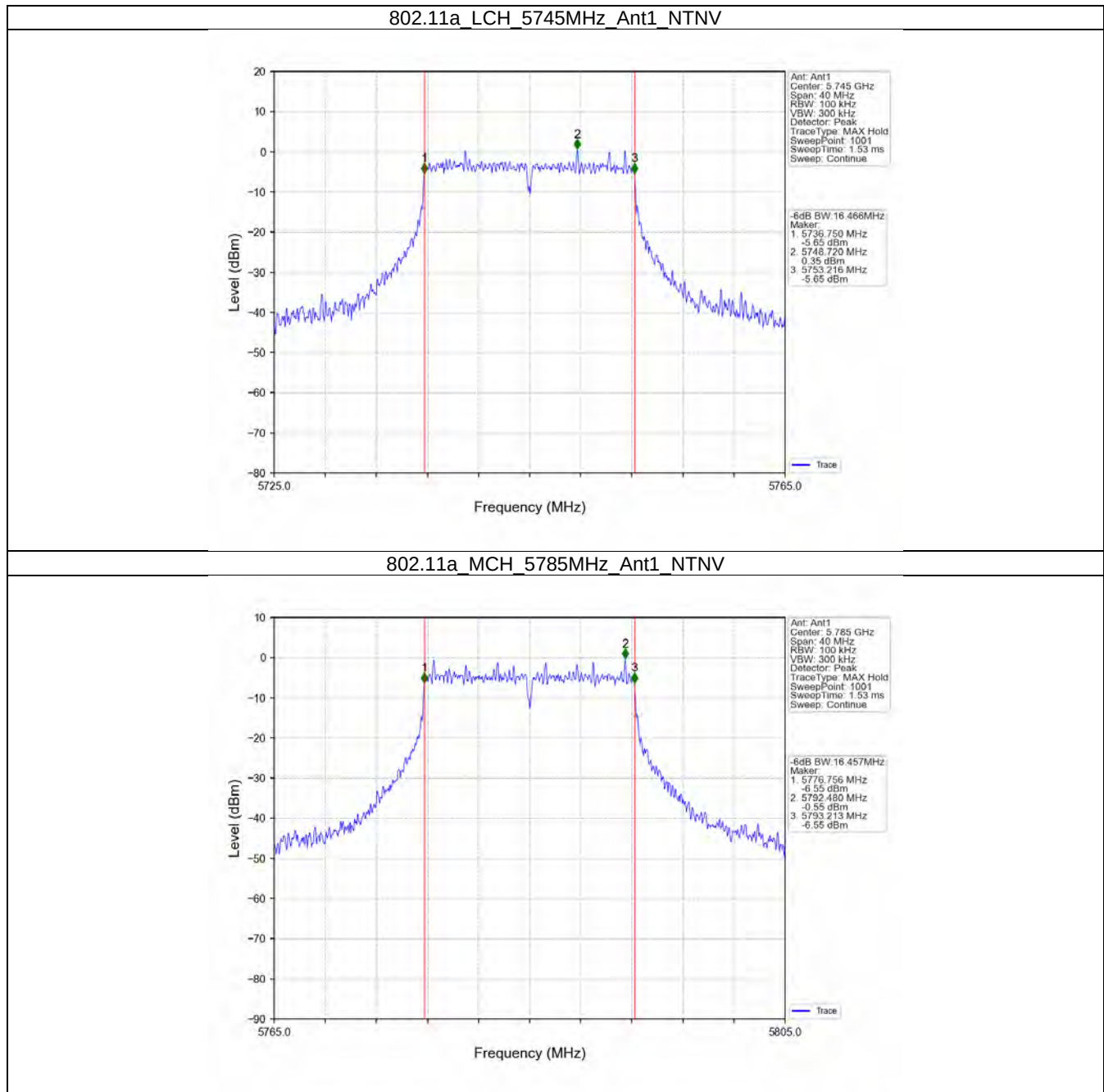
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2.2.2 Test Graph



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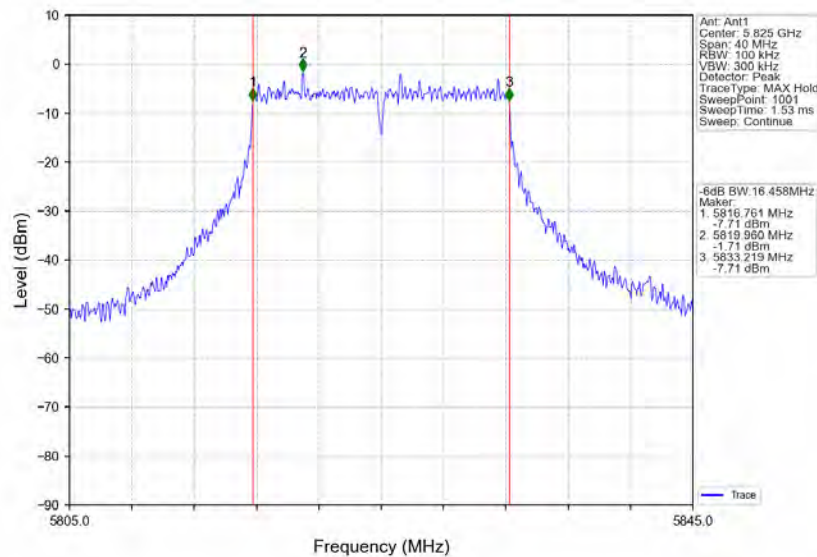
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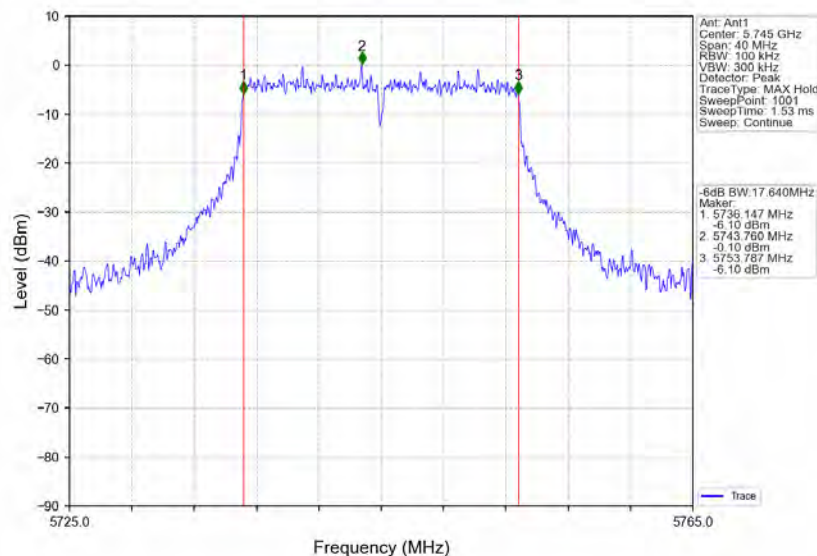
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802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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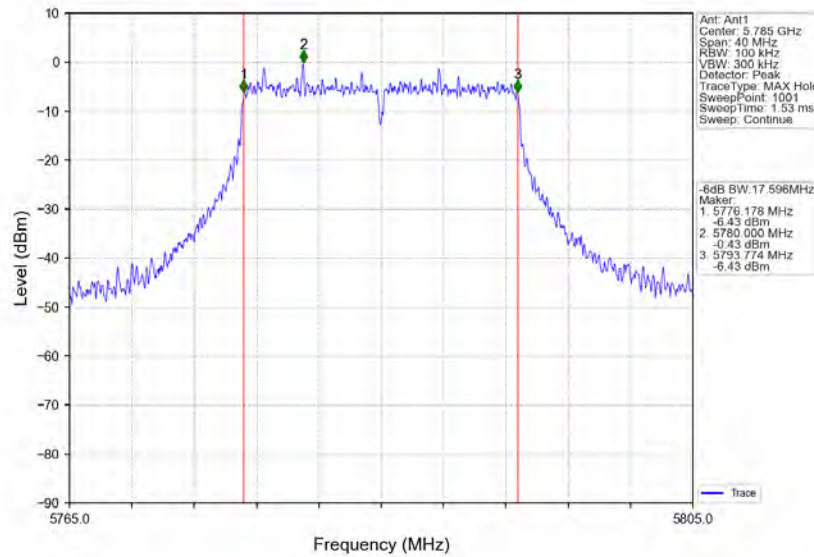
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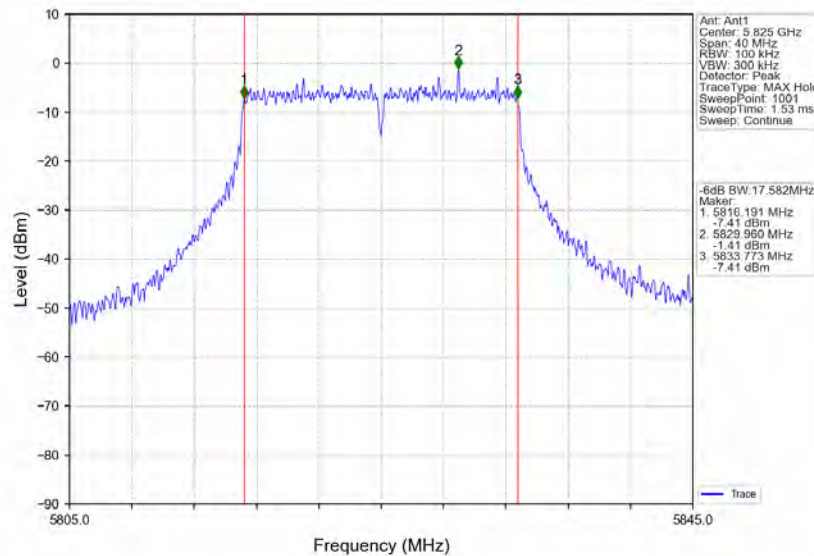
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802.11n(HT20) MCH 5785MHz Ant1 NTN



802.11n(HT20) HCH 5825MHz Ant1 NTN

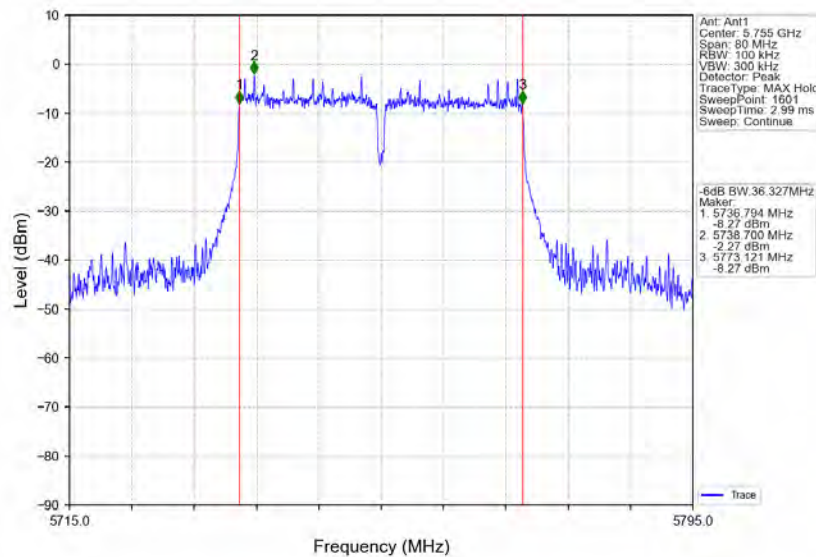


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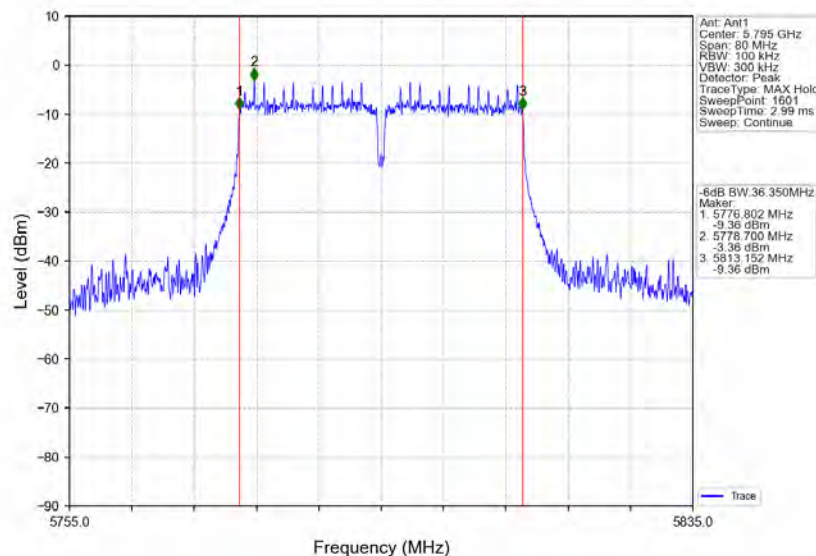
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



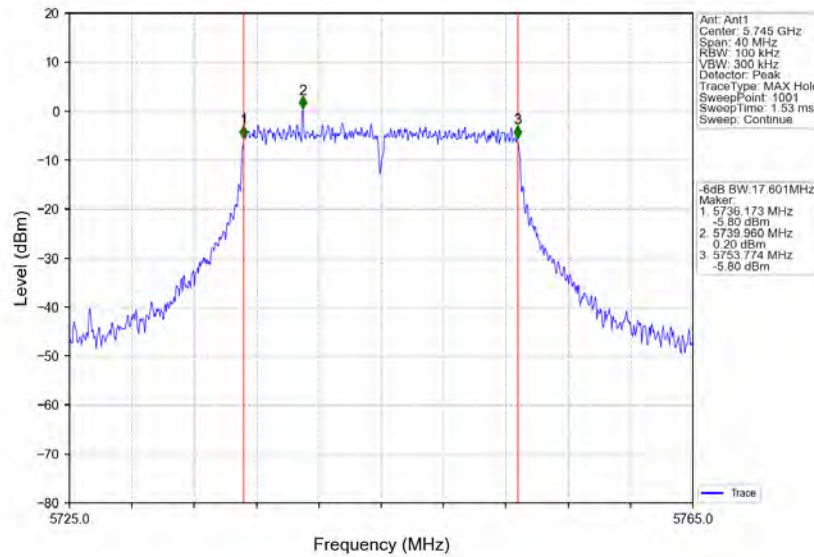
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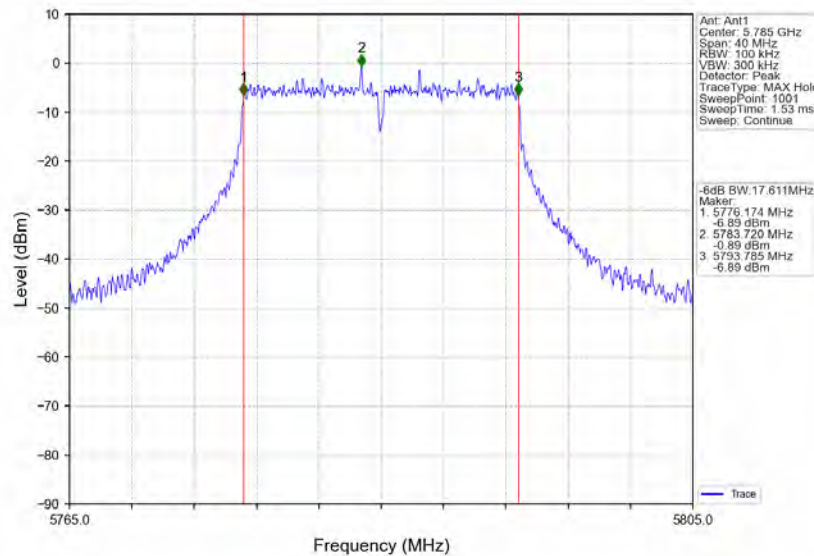
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802.11ac(VHT20) MCH 5785MHz Ant1 NTN



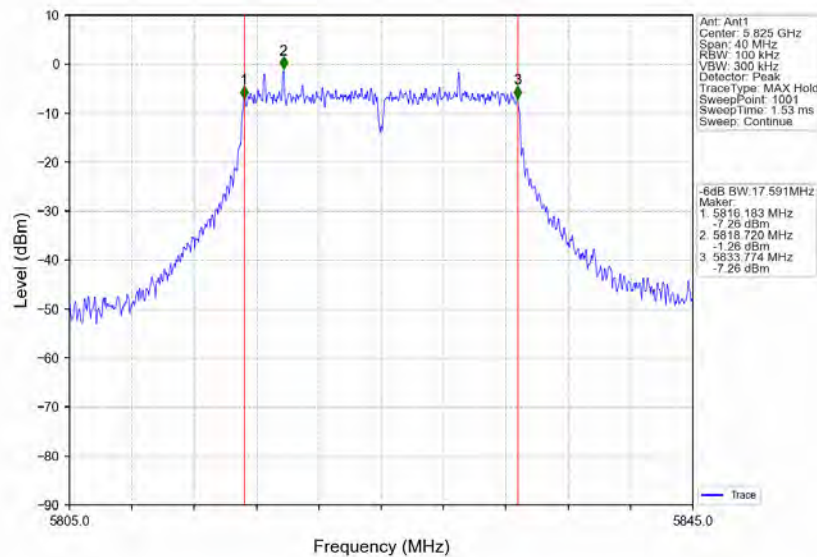
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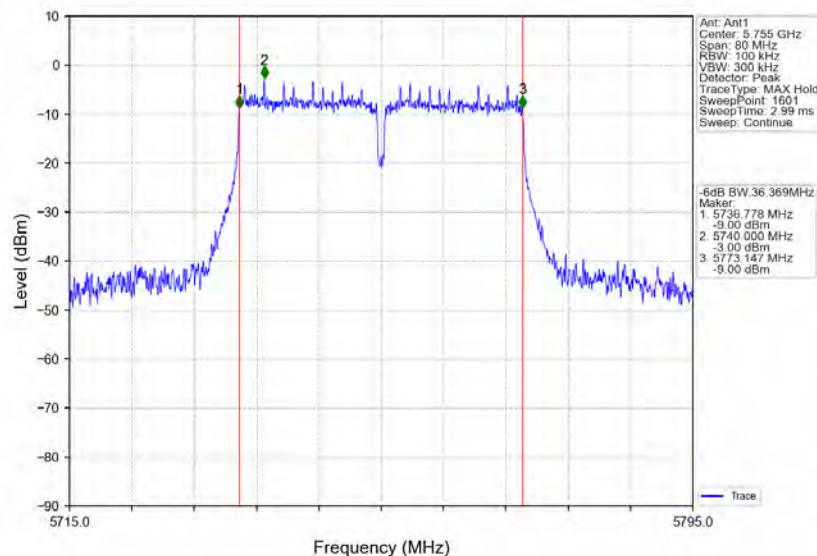
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802.11ac(VHT20) HCH 5825MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant1 NTN



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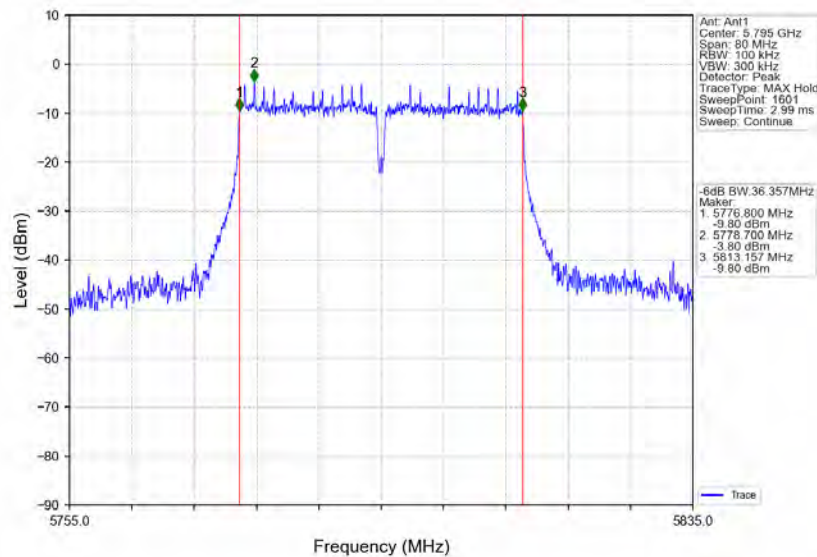
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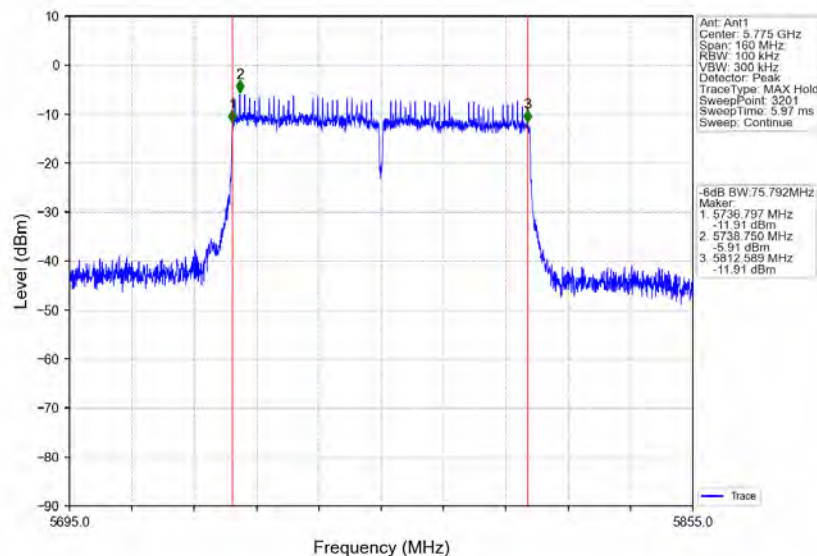
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802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	23.569	Pass
		5200	1	23.611	Pass
		5240	1	23.657	Pass
802.11n (HT20)	SISO	5180	1	24.196	Pass
		5200	1	24.355	Pass
		5240	1	24.171	Pass
802.11n (HT40)	SISO	5190	1	43.600	Pass
		5230	1	43.016	Pass
802.11ac (VHT20)	SISO	5180	1	24.027	Pass
		5200	1	24.210	Pass
		5240	1	24.553	Pass
802.11ac (VHT40)	SISO	5190	1	43.538	Pass
		5230	1	43.447	Pass
802.11ac (VHT80)	SISO	5210	1	93.504	Pass



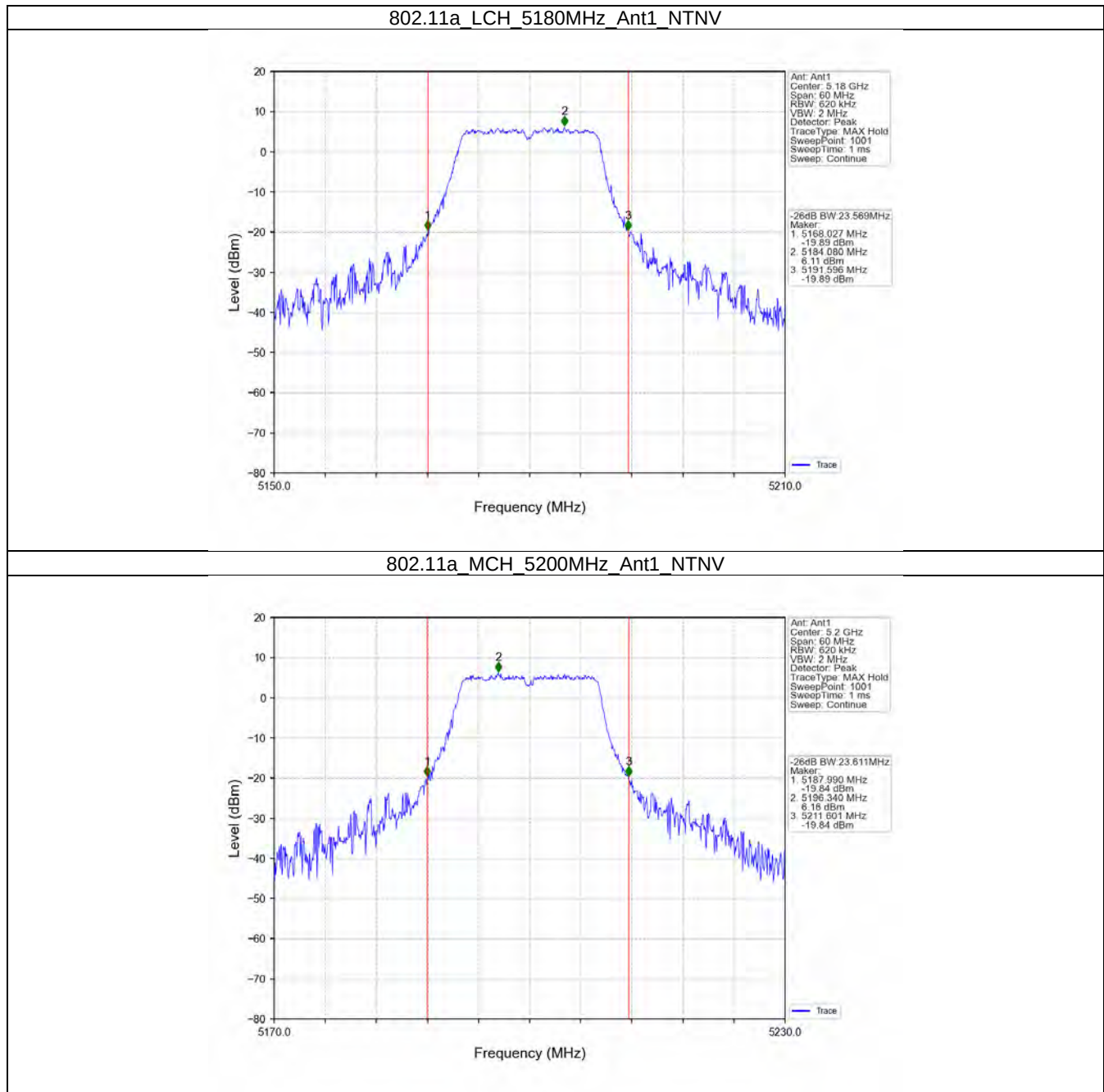
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2.3.2 Test Graph



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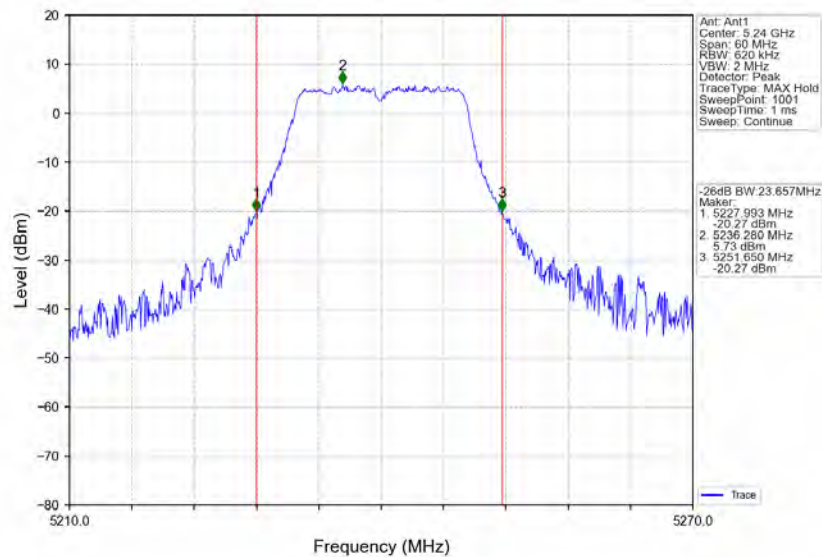
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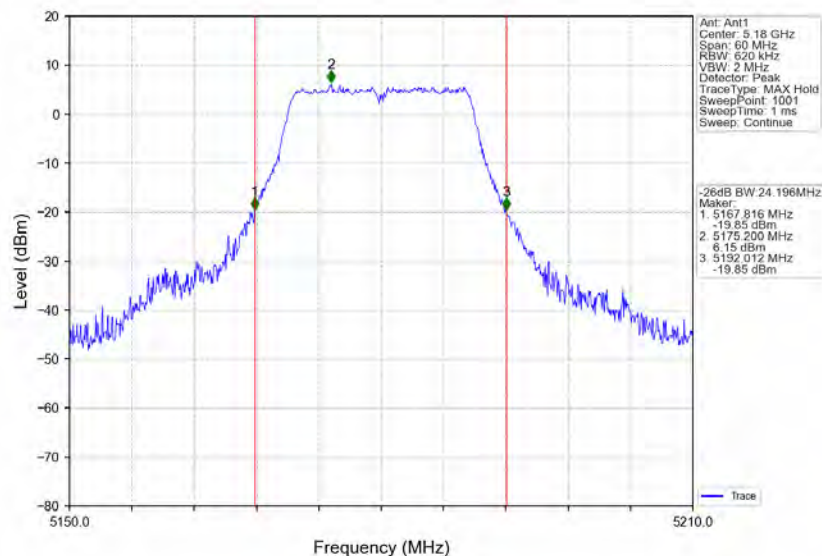
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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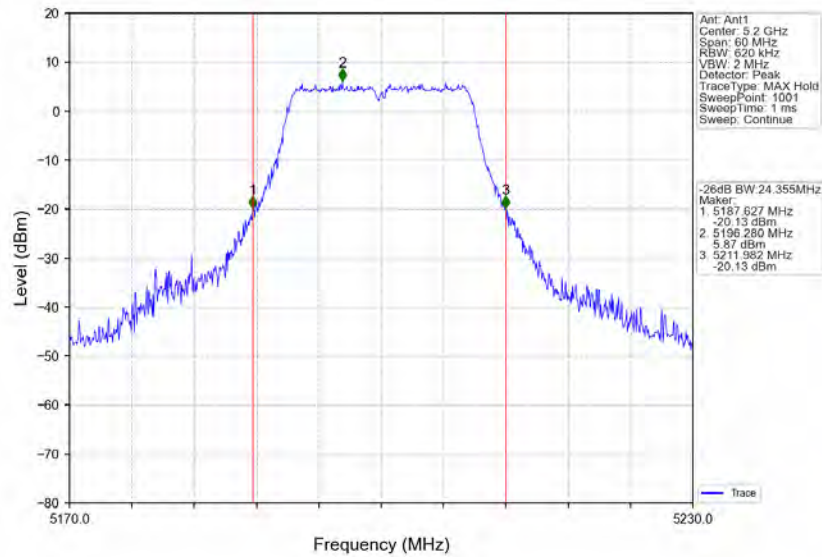
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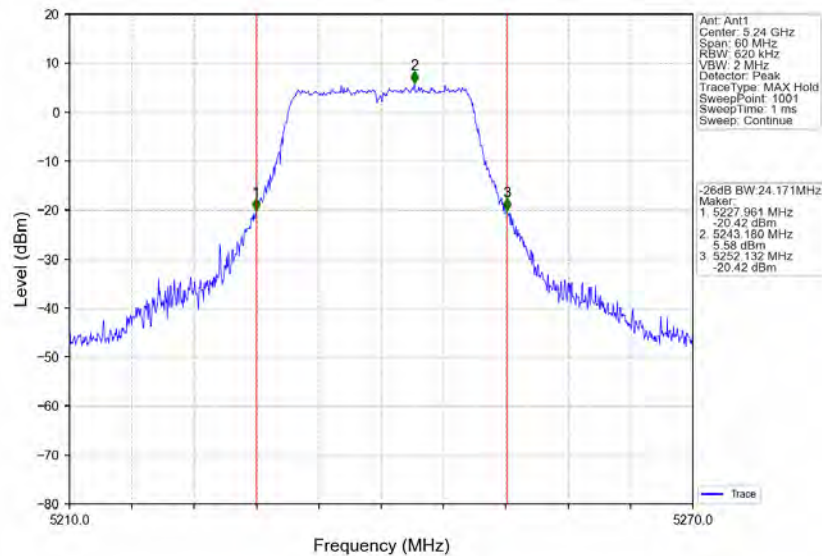
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802.11n(HT20) MCH 5200MHz Ant1_NTNV



802.11n(HT20) HCH 5240MHz Ant1_NTNV



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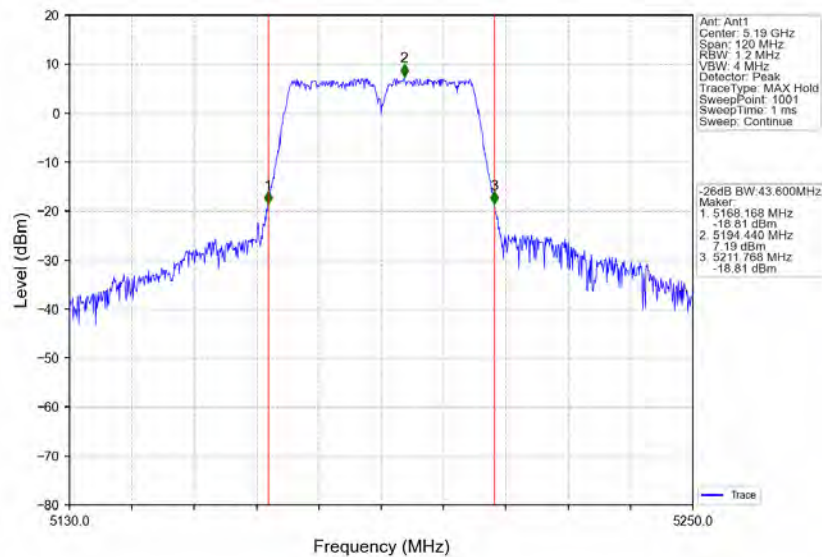
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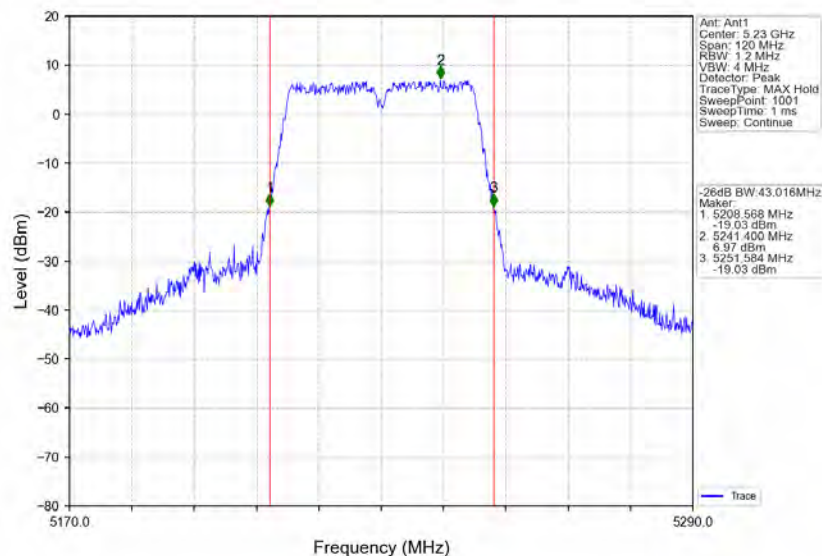
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) HCH 5230MHz Ant1 NTN



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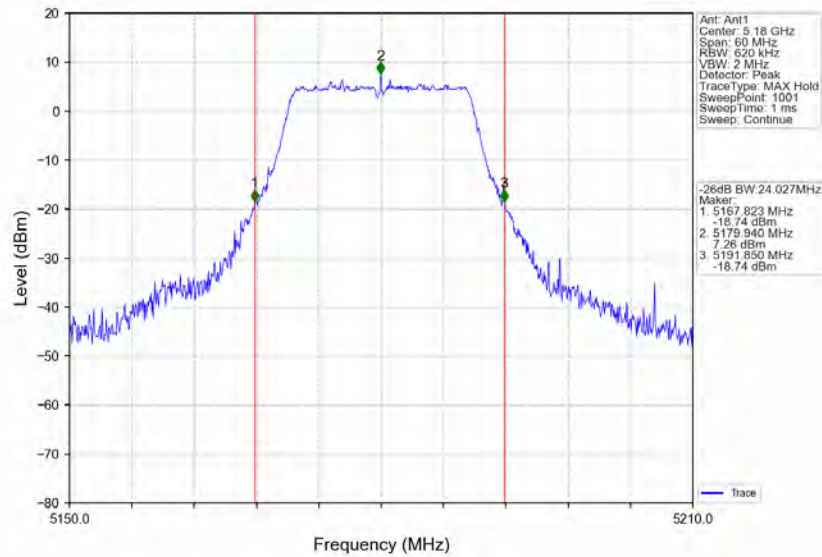
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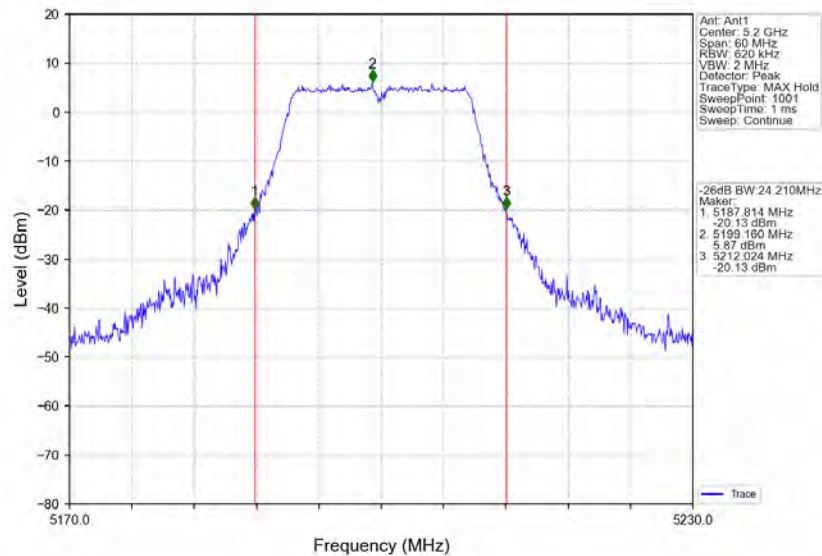
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



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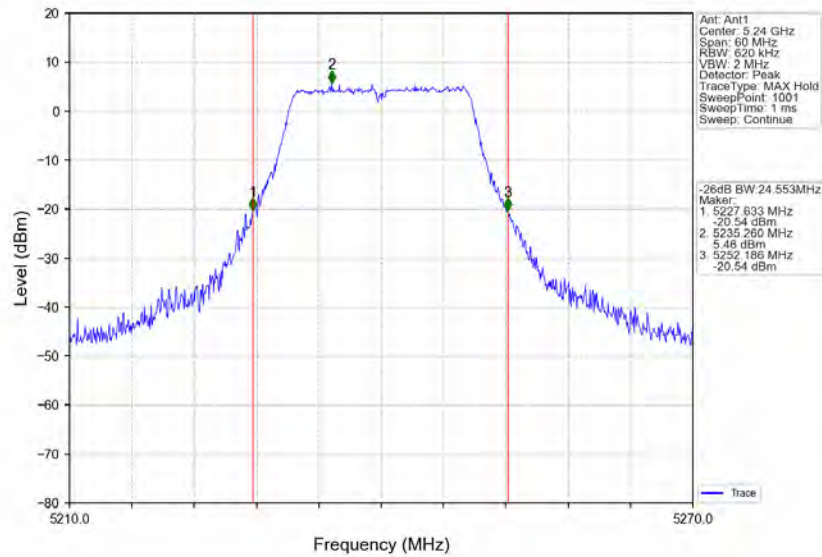
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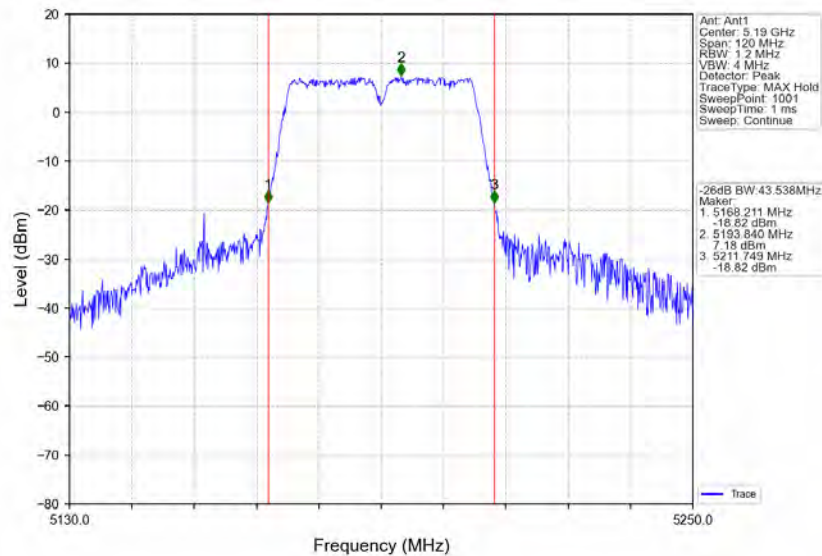
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802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant1 NTN



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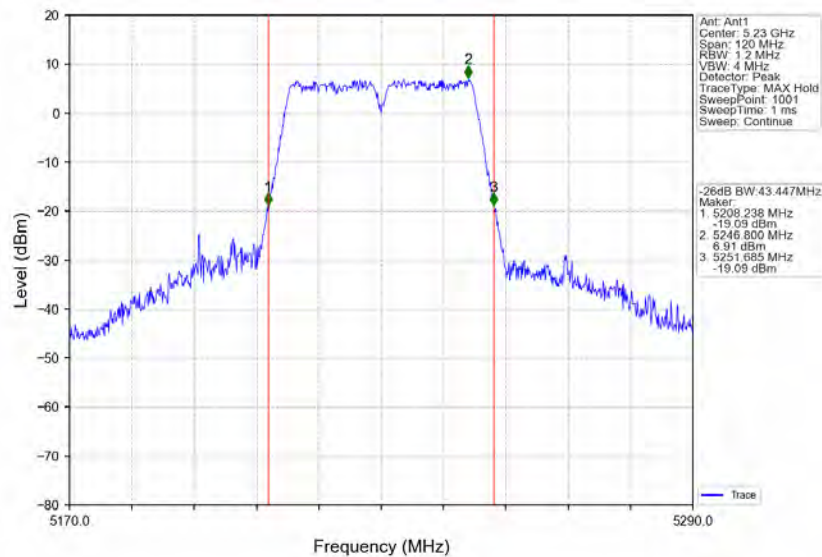
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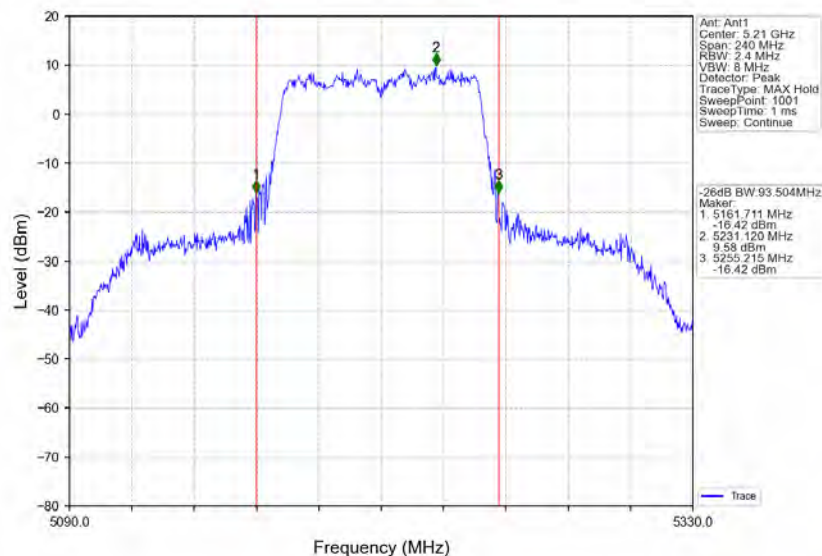
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802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT80) MCH 5210MHz Ant1 NTN



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

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

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



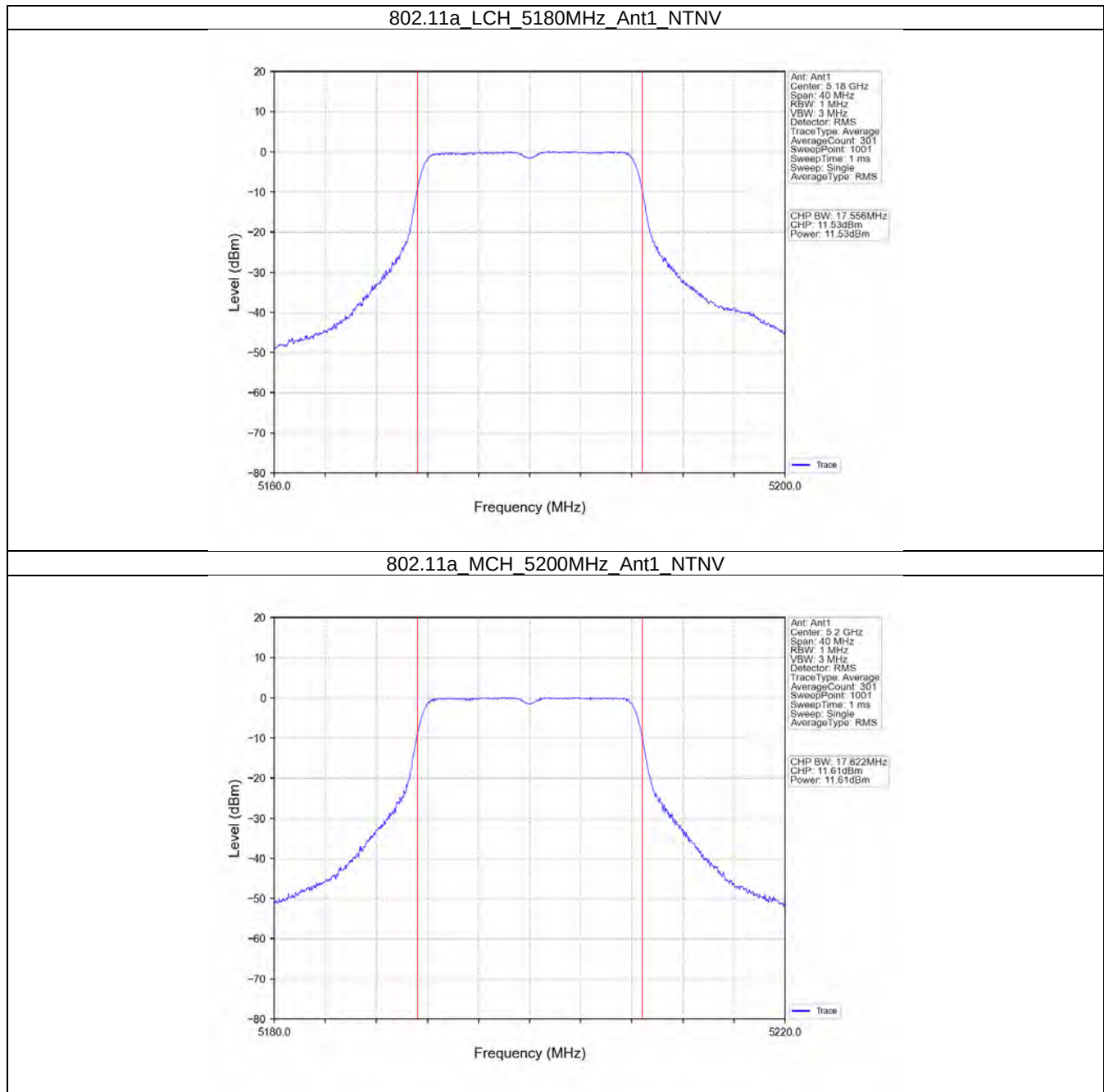
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3.1.2 Test Graph



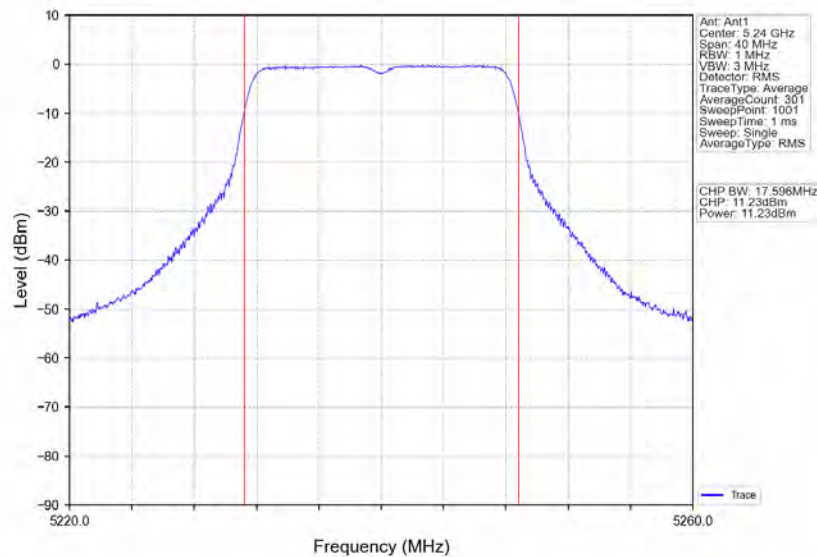
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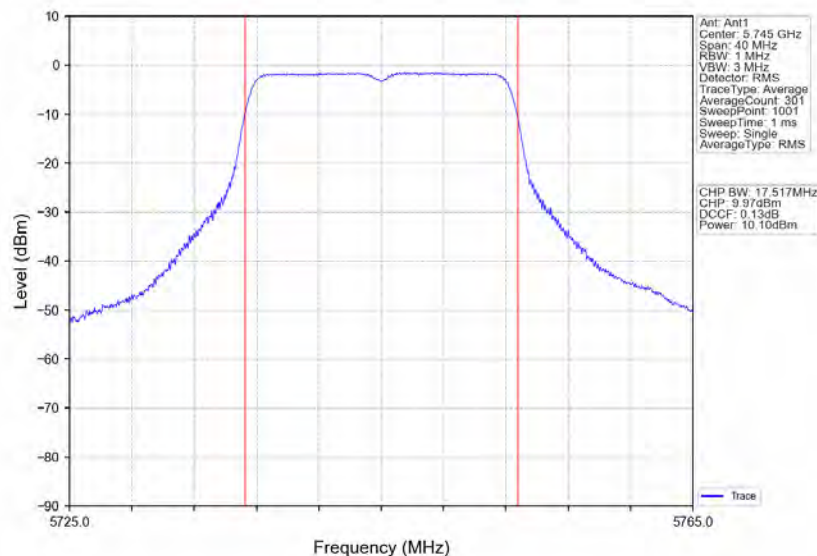
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5745MHz_Ant1_NTNV

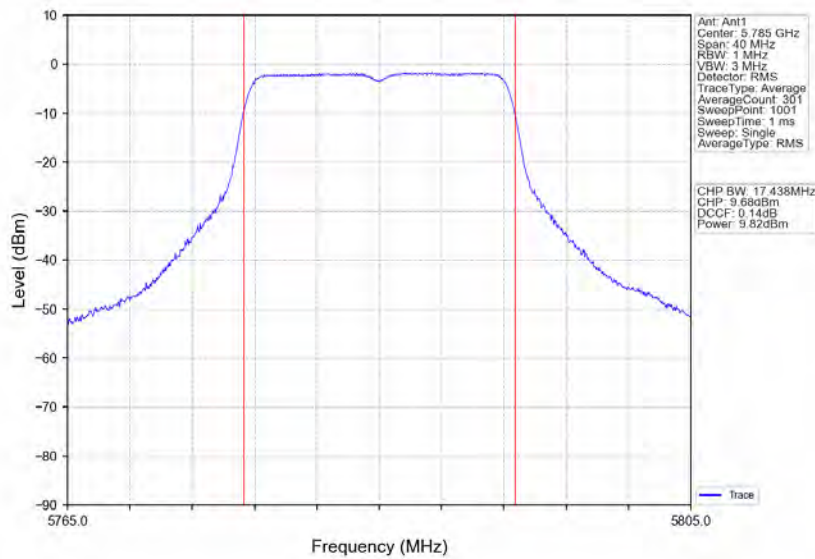


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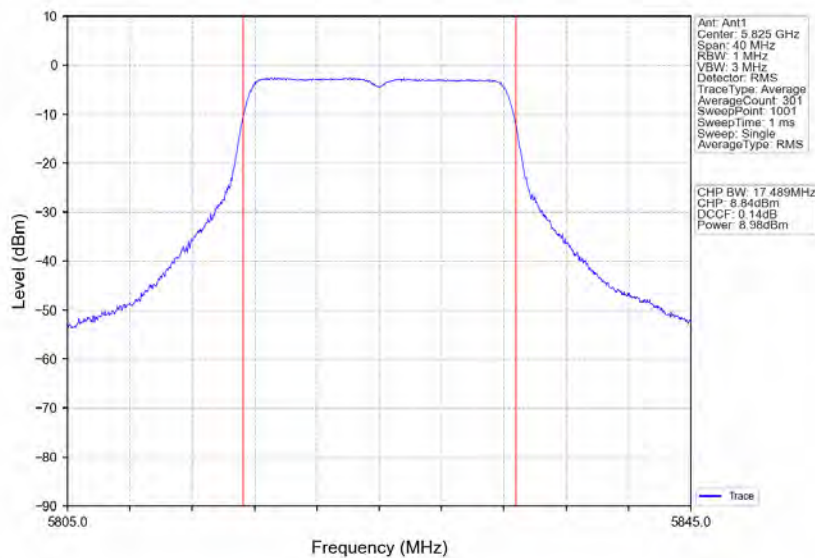
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802.11a_MCH 5785MHz_Ant1_NTNV



802.11a_HCH 5825MHz_Ant1_NTNV



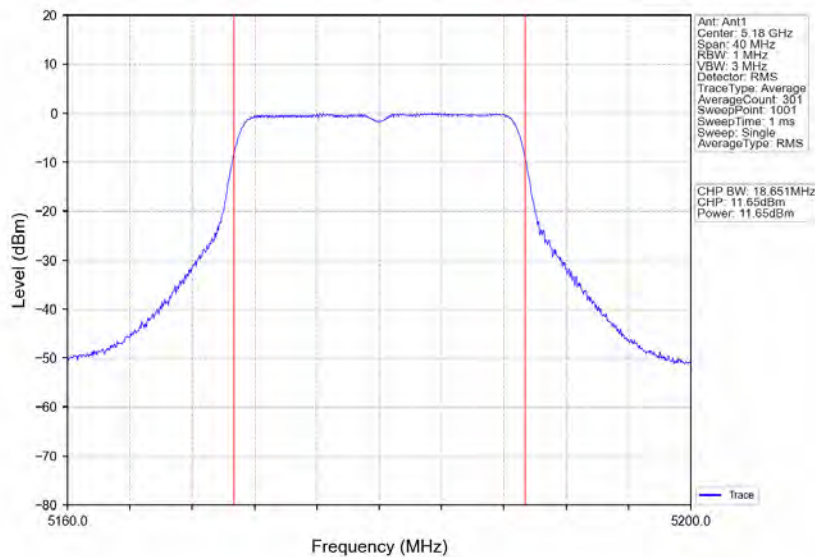
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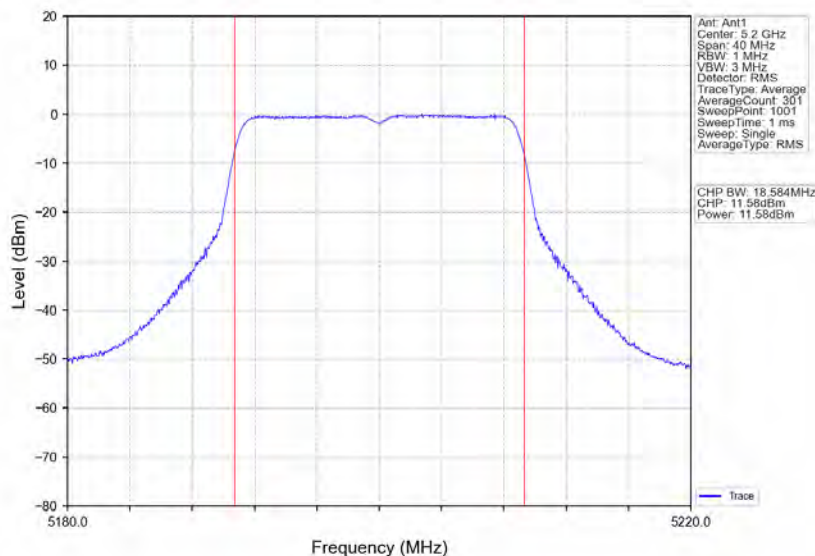
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802.11n(HT20) LCH 5180MHz Ant1 NTN



802.11n(HT20) MCH 5200MHz Ant1 NTN



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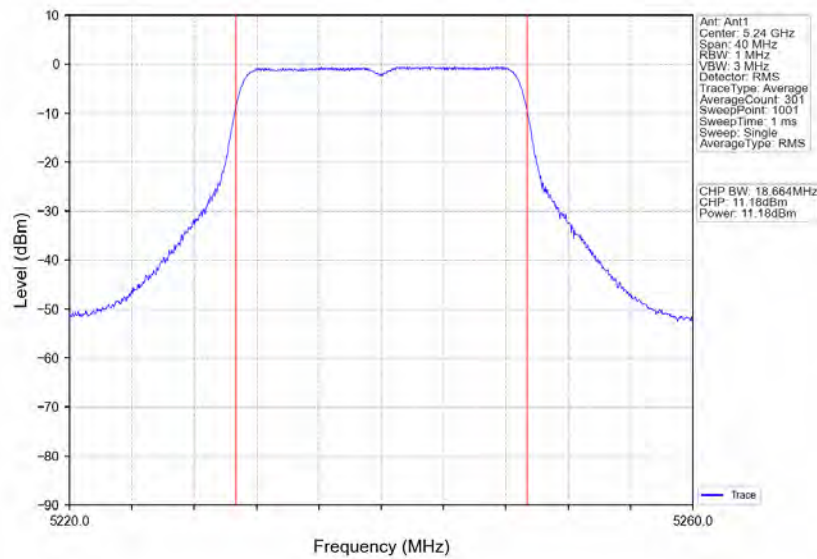
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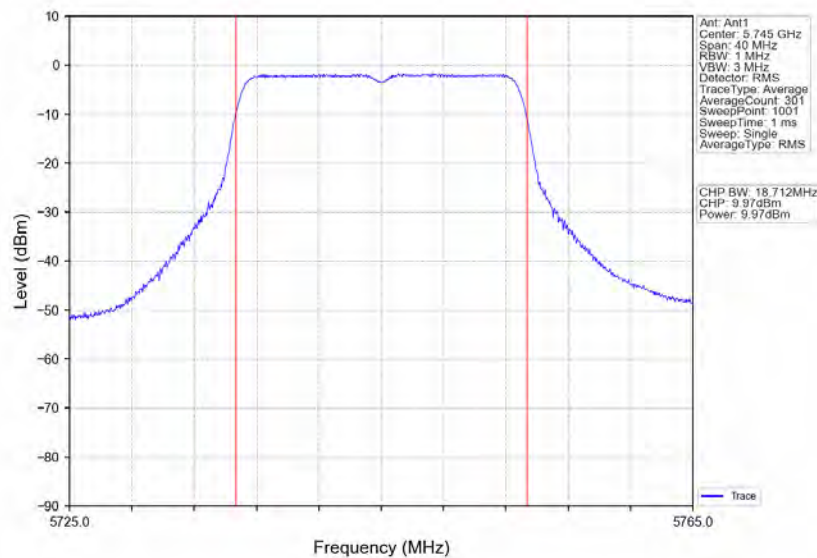
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802.11n(HT20) HCH 5240MHz Ant1 NTNV



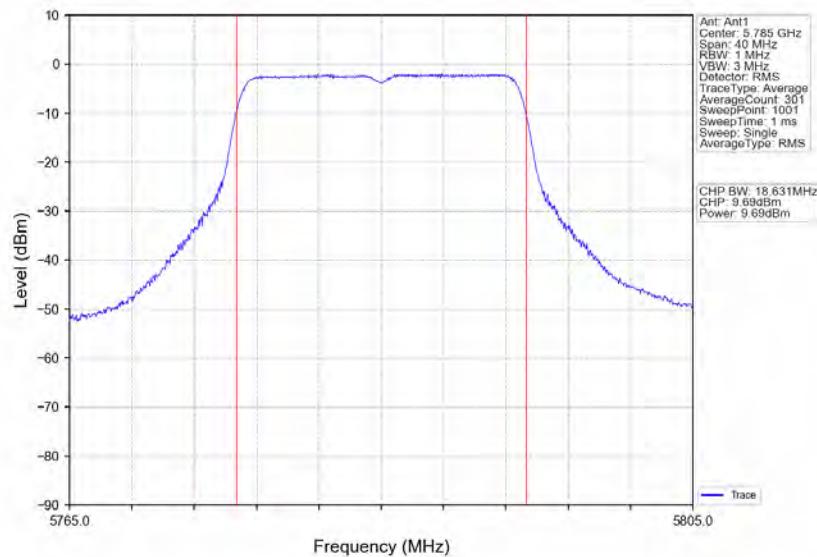
802.11n(HT20) LCH 5745MHz Ant1 NTNV



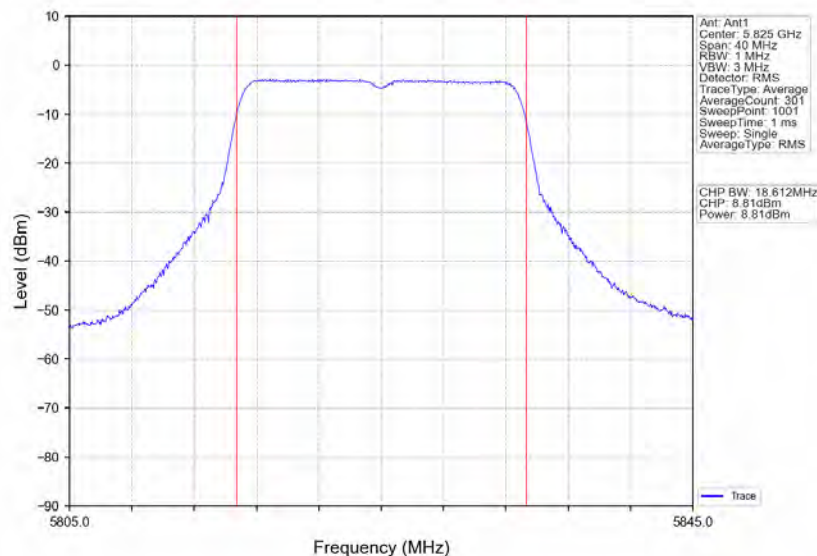
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802.11n(HT20) MCH 5785MHz Ant1 NTNV



802.11n(HT20) HCH 5825MHz Ant1 NTNV



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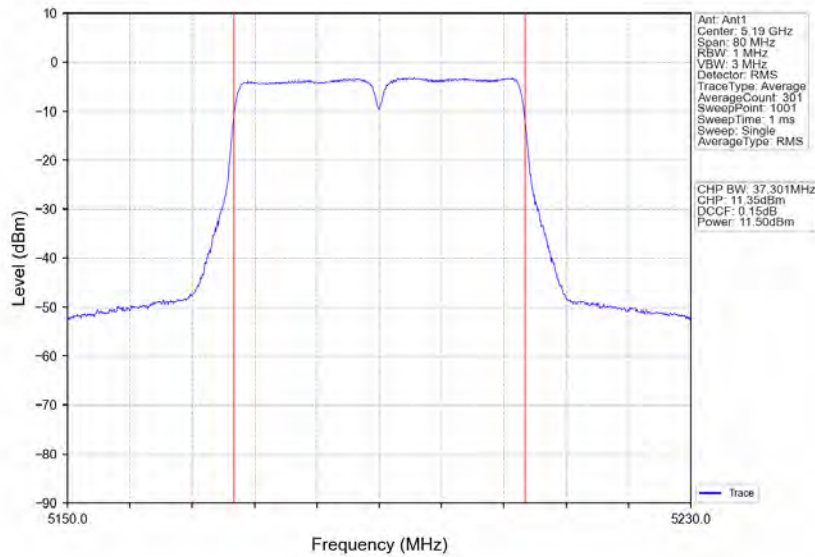
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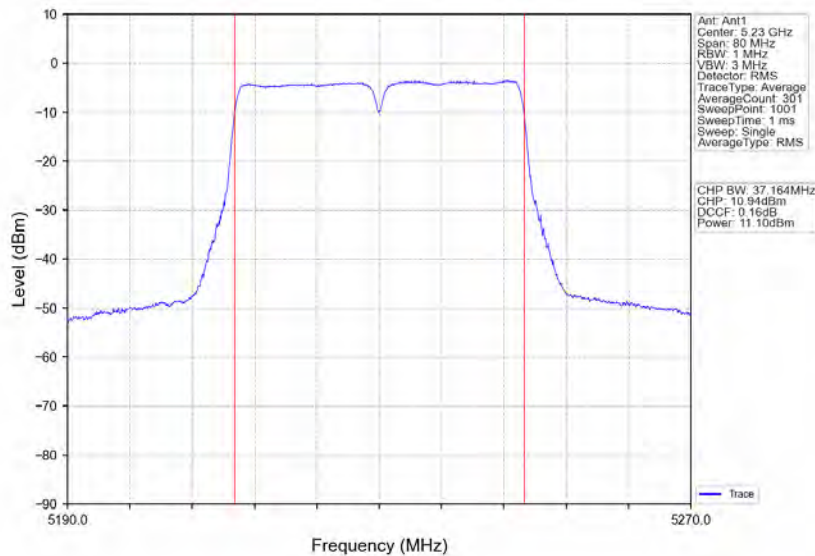
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) HCH 5230MHz Ant1 NTN



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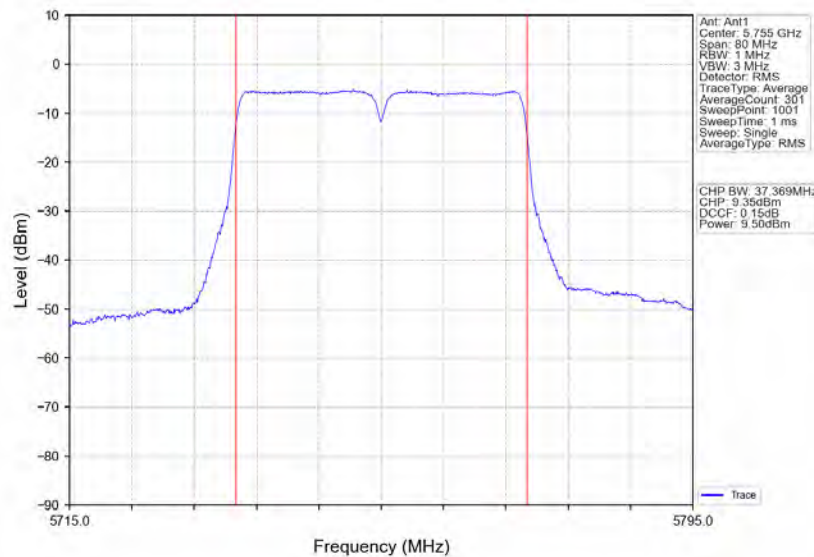
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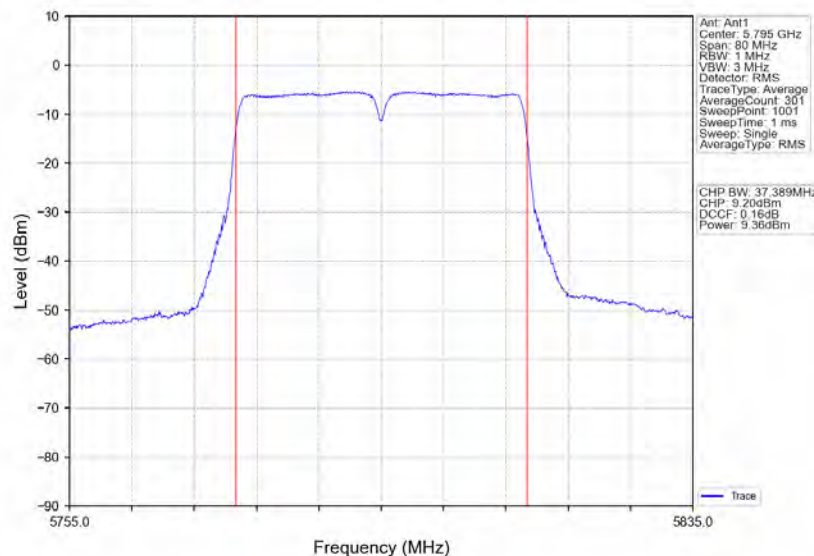
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



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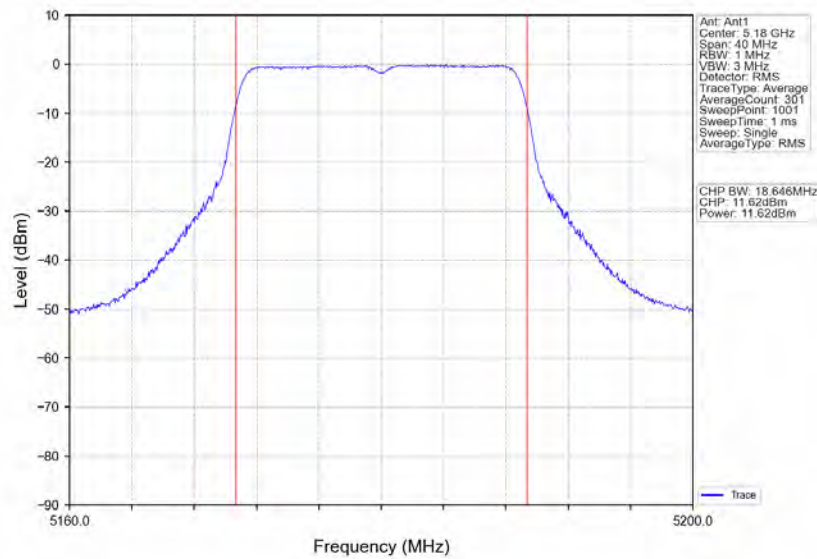
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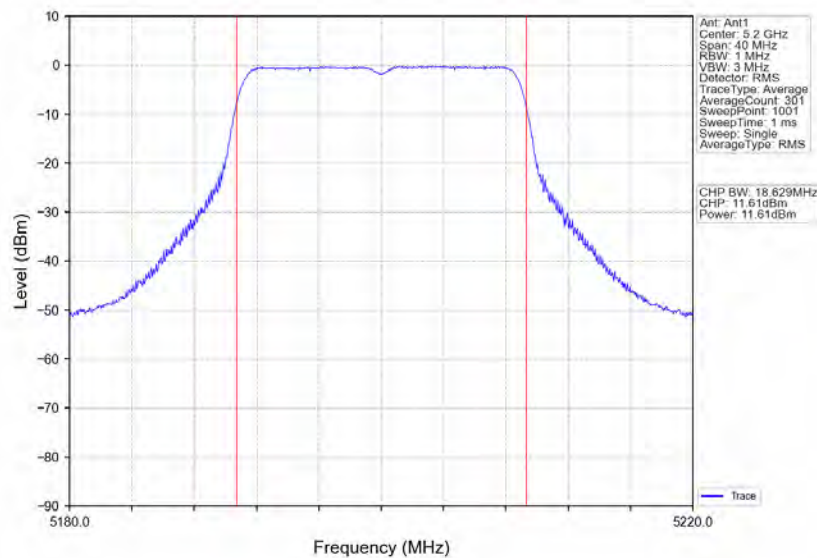
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN

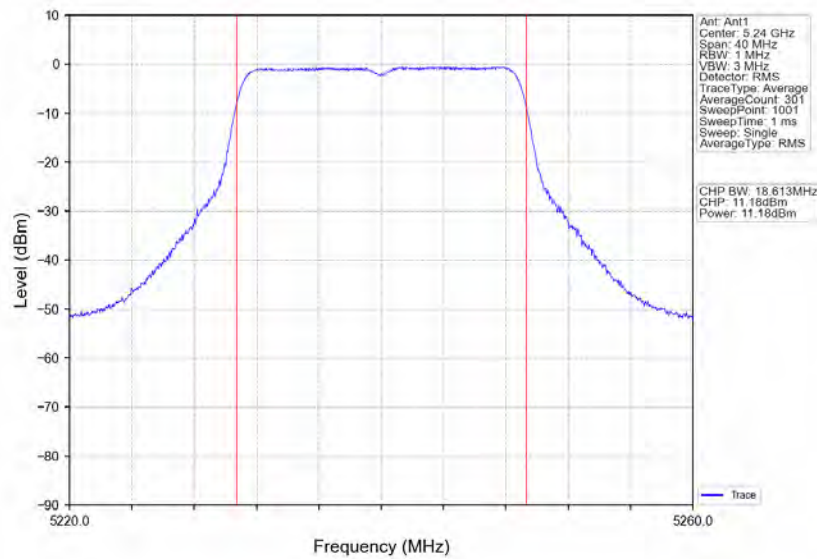


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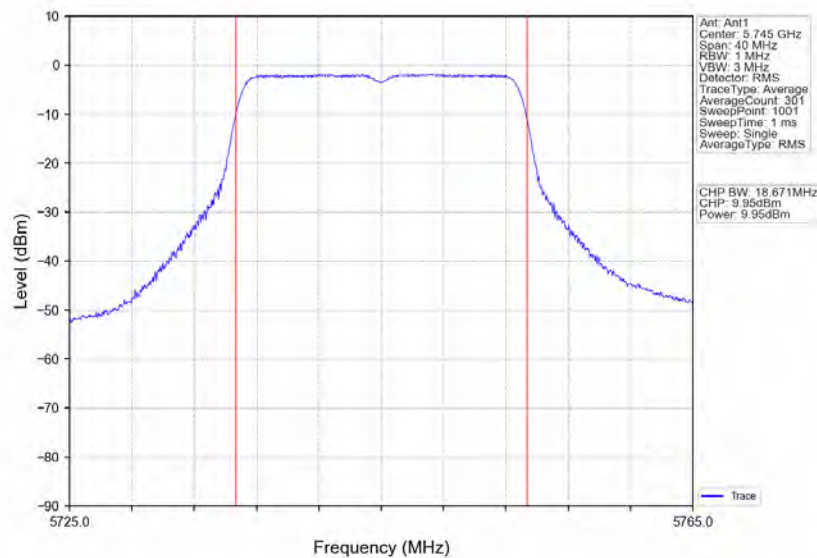
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802.11ac(VHT20) LCH 5745MHz Ant1 NTN



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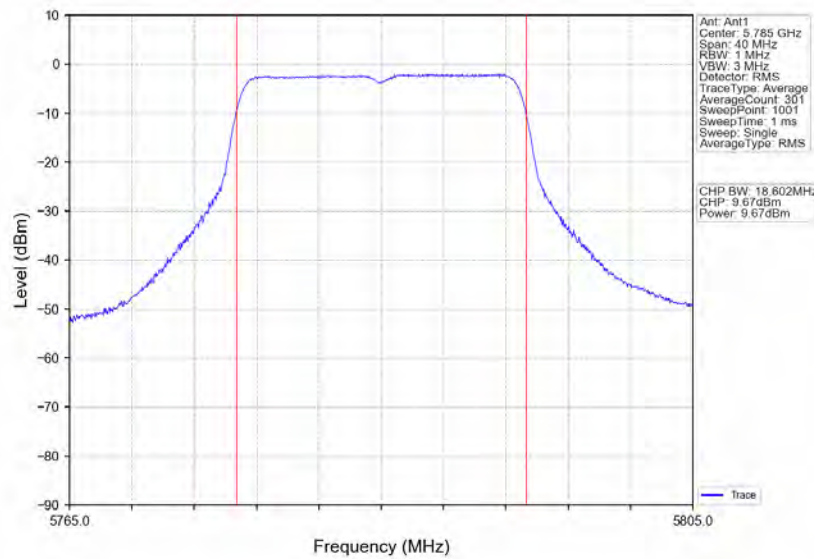
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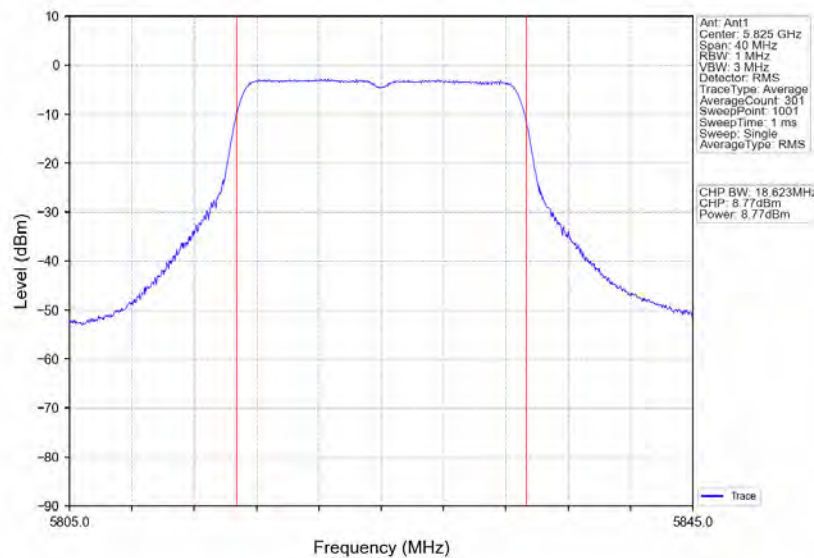
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802.11ac(VHT20) MCH 5785MHz Ant1 NTN



802.11ac(VHT20) HCH 5825MHz Ant1 NTN

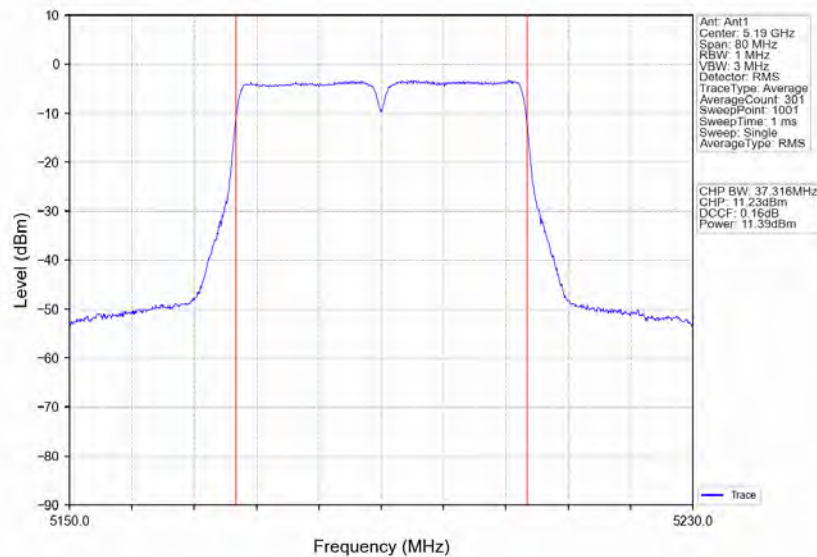


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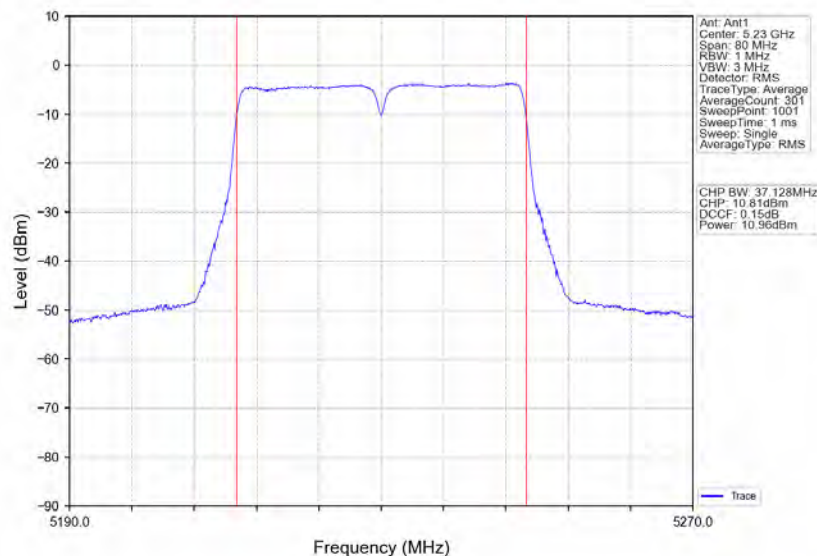
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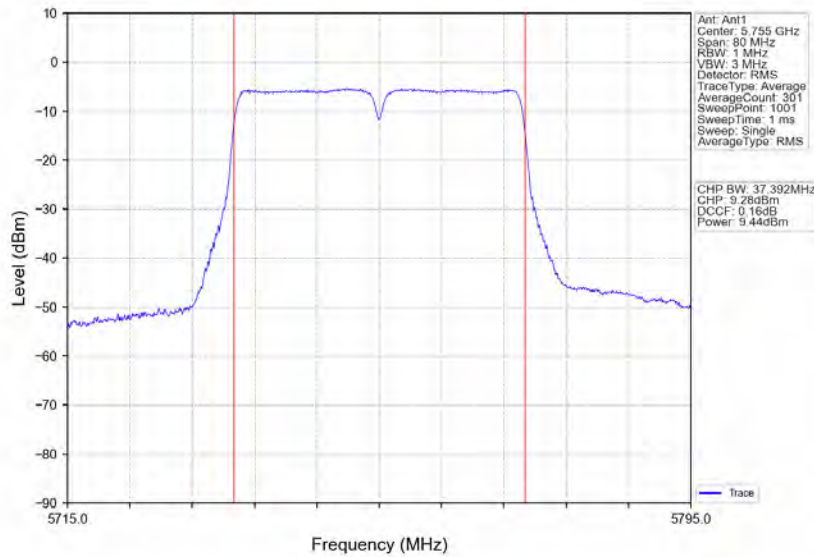
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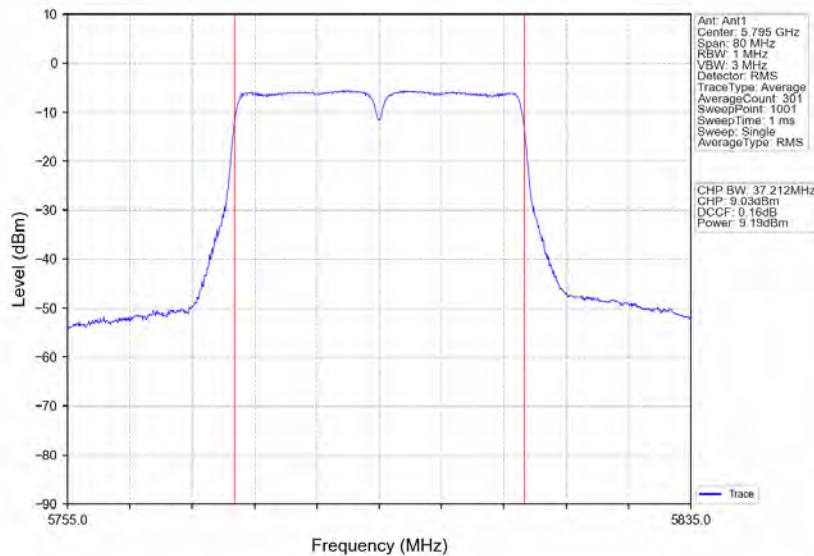
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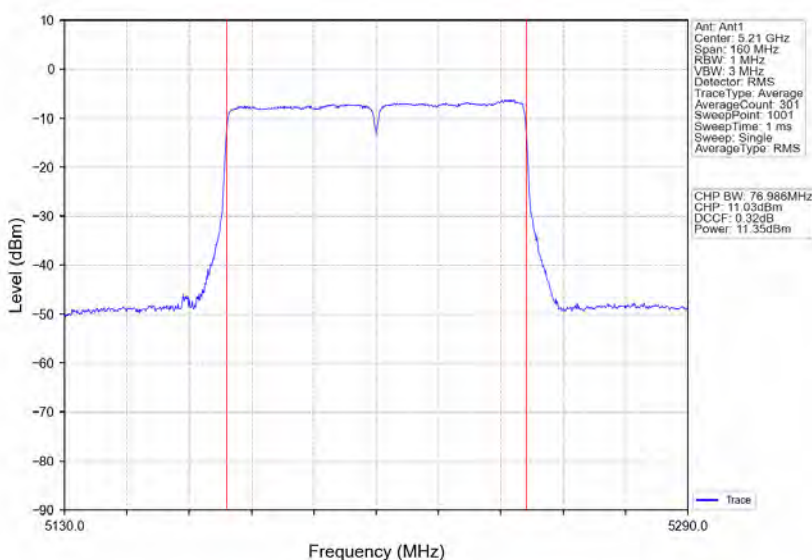
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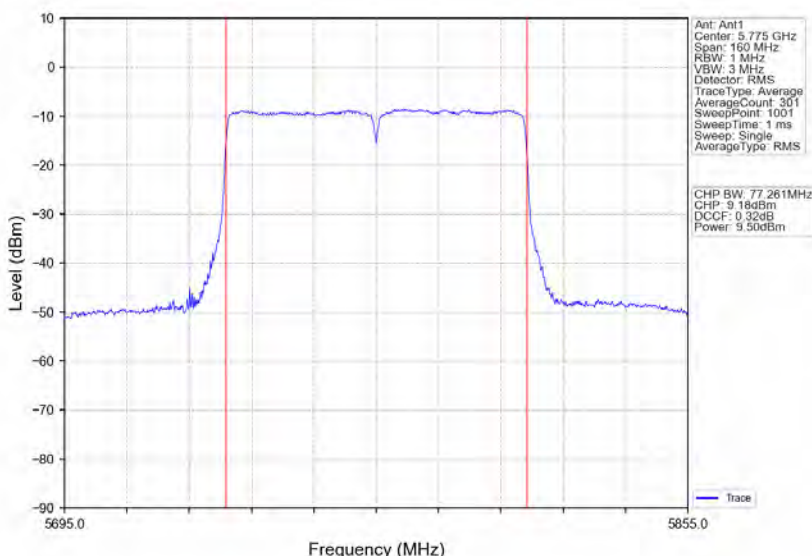
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802.11ac(VHT80) MCH 5210MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 NTN



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	0.22	<=11	Pass
		5200	0.21	<=11	Pass
		5240	-0.14	<=11	Pass
802.11n (HT20)	SISO	5180	0.11	<=11	Pass
		5200	-0.03	<=11	Pass
		5240	-0.38	<=11	Pass
802.11n (HT40)	SISO	5190	-2.97	<=11	Pass
		5230	-3.48	<=11	Pass
802.11ac (VHT20)	SISO	5180	-0.06	<=11	Pass
		5200	0.07	<=11	Pass
		5240	-0.37	<=11	Pass
802.11ac (VHT40)	SISO	5190	-3.15	<=11	Pass
		5230	-3.43	<=11	Pass
802.11ac (VHT80)	SISO	5210	-6.08	<=11	Pass

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



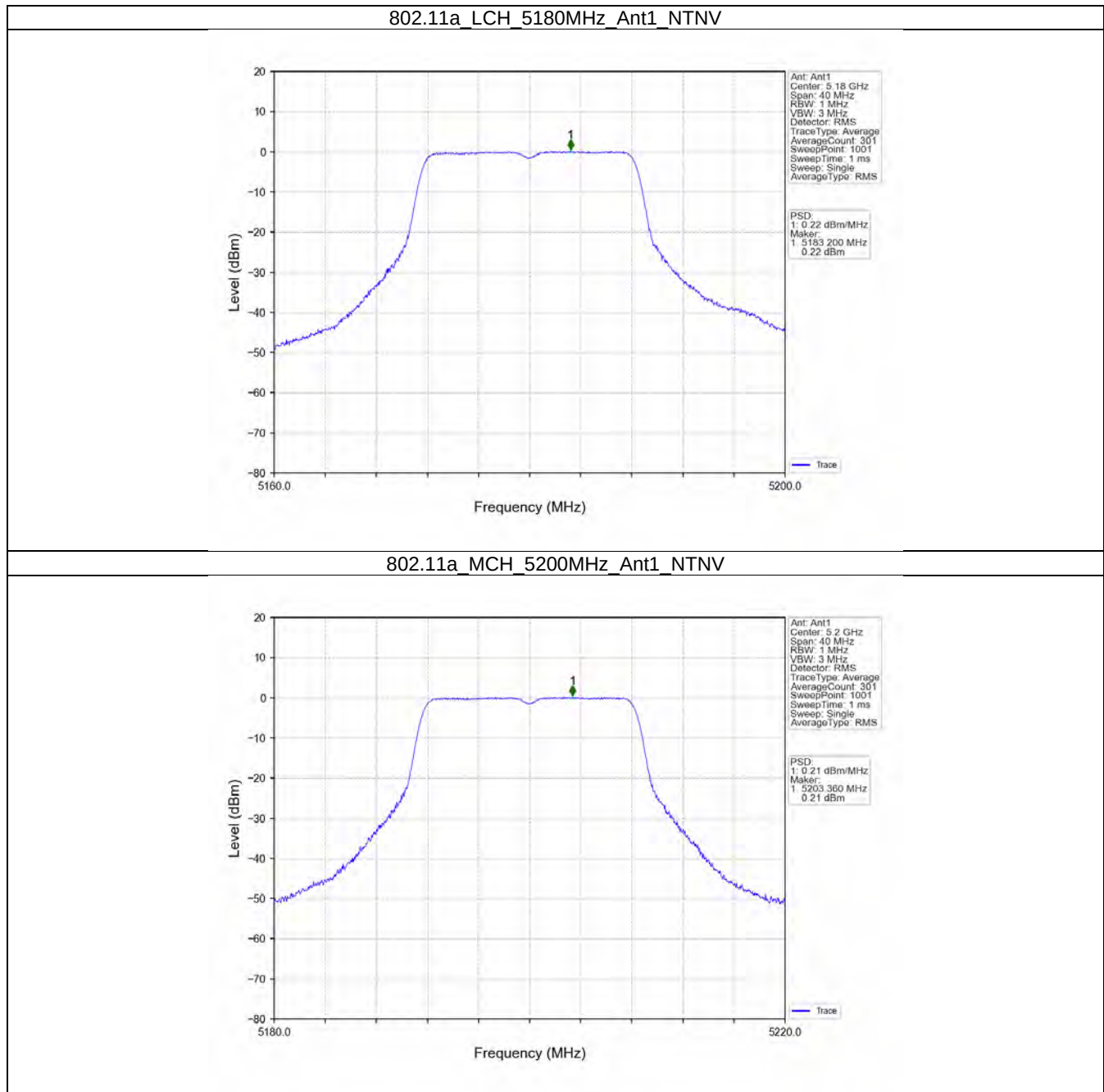
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4.1.2 Test Graph



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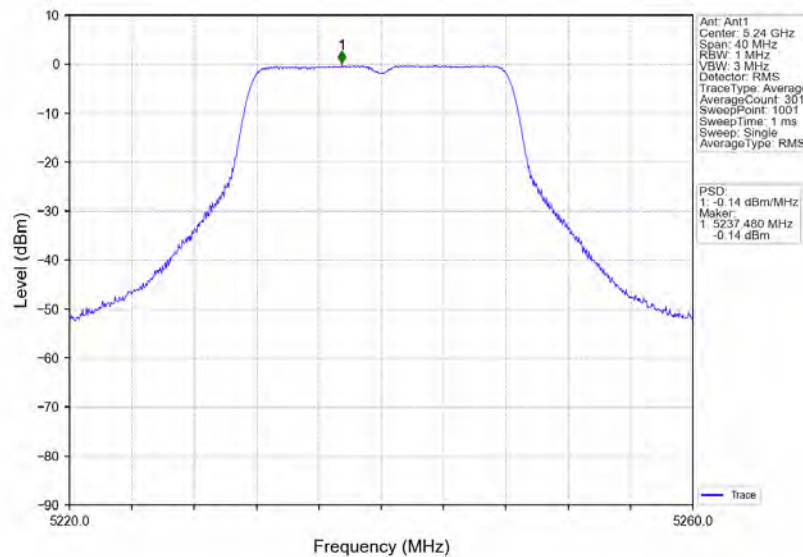
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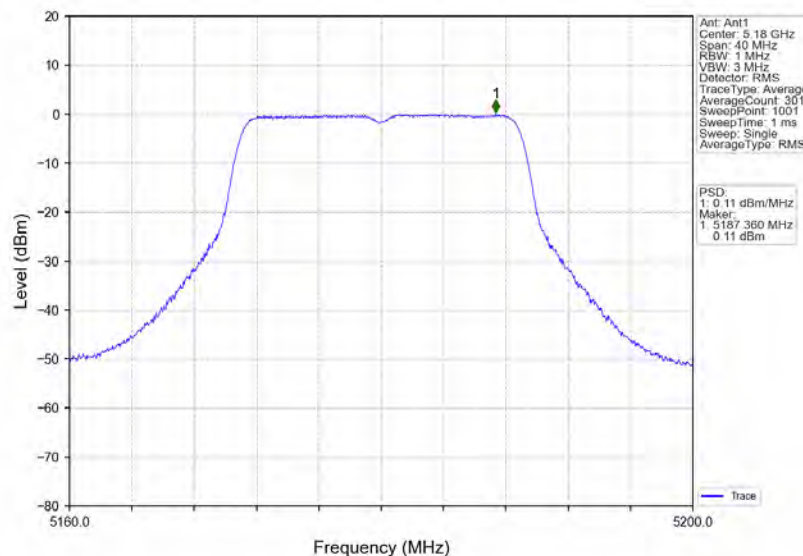
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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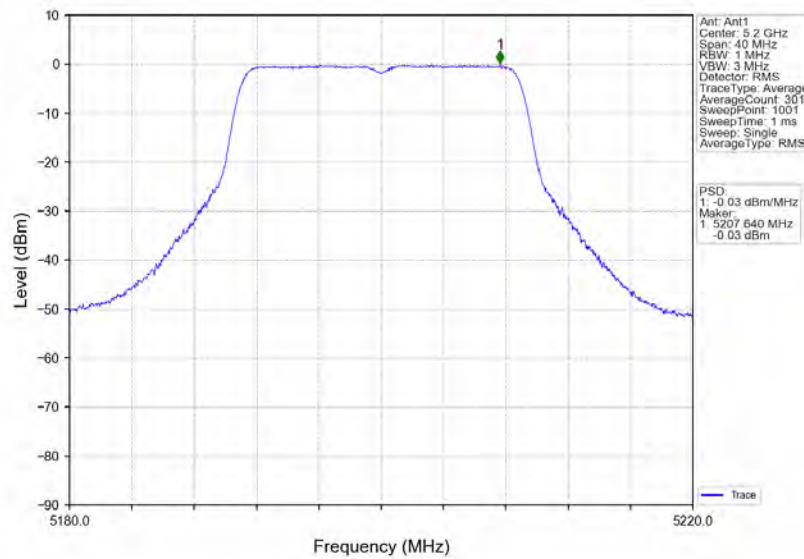
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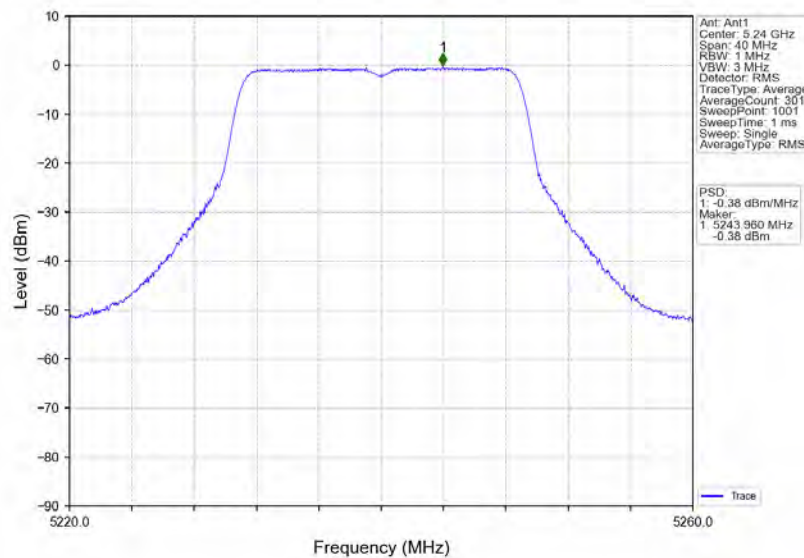
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802.11n(HT20) MCH 5200MHz Ant1 NTV



802.11n(HT20) HCH 5240MHz Ant1 NTV



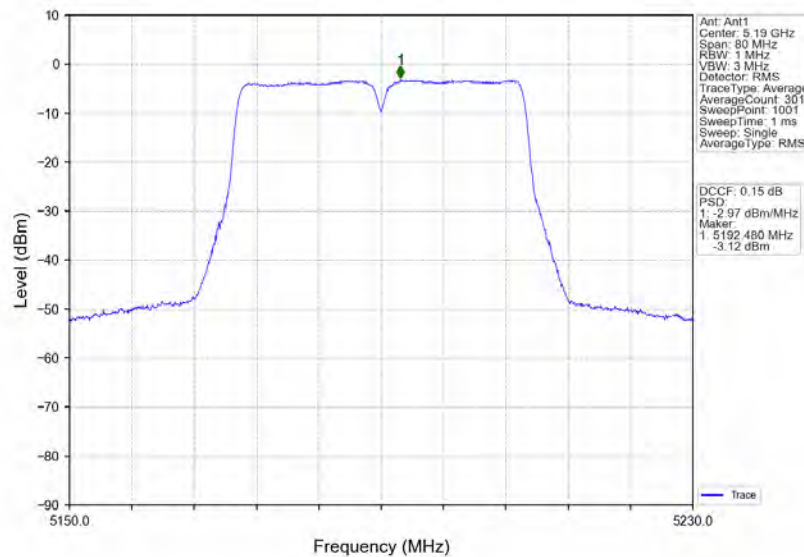
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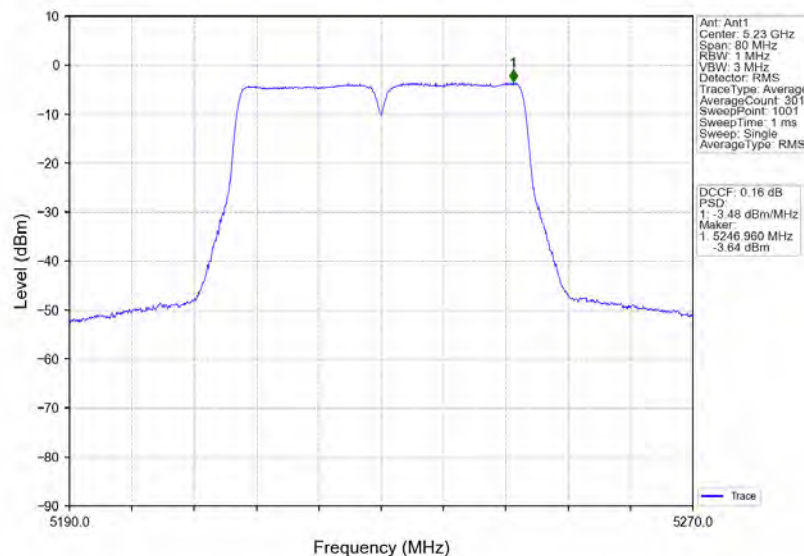
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802.11n(HT40) LCH 5190MHz Ant1 NTN



802.11n(HT40) HCH 5230MHz Ant1 NTN



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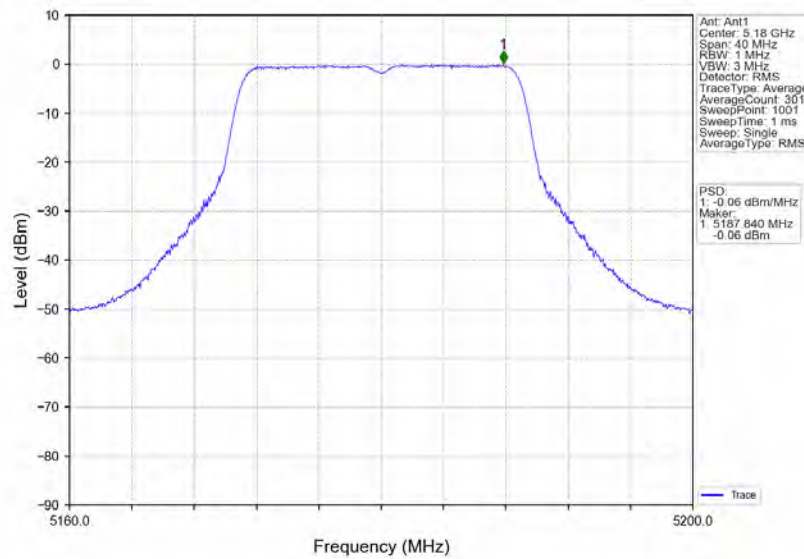
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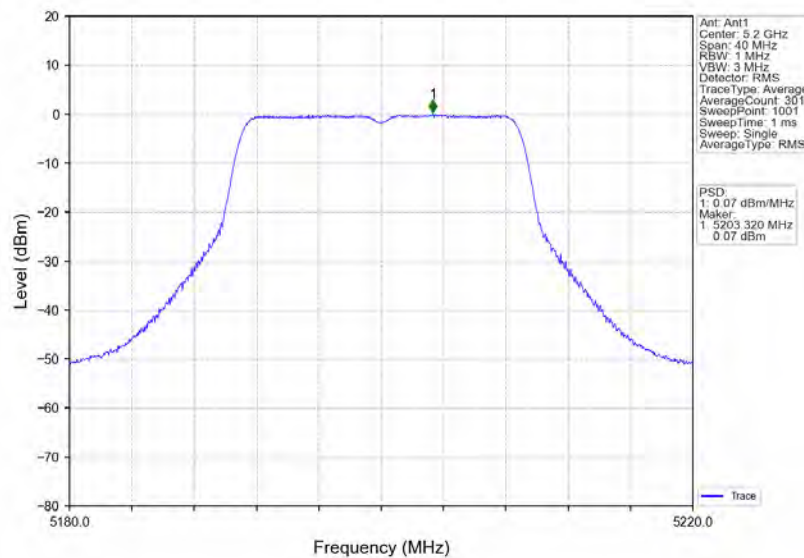
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



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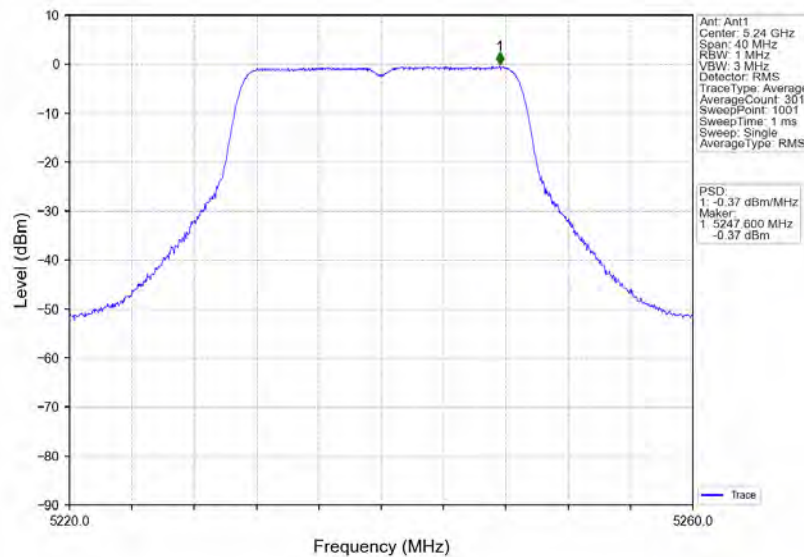
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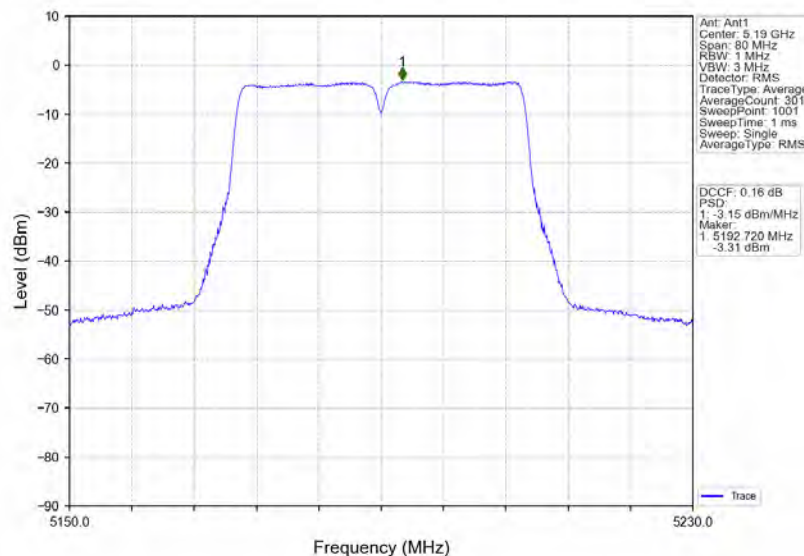
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802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT40) LCH 5190MHz Ant1 NTN



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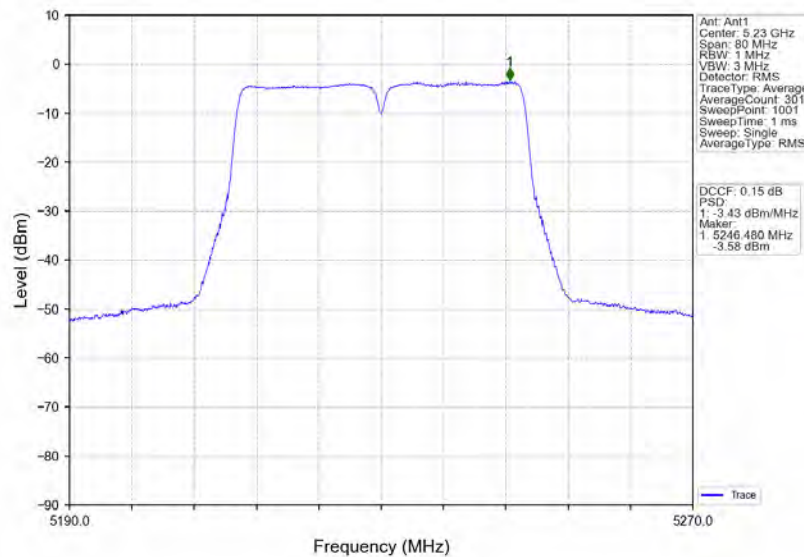
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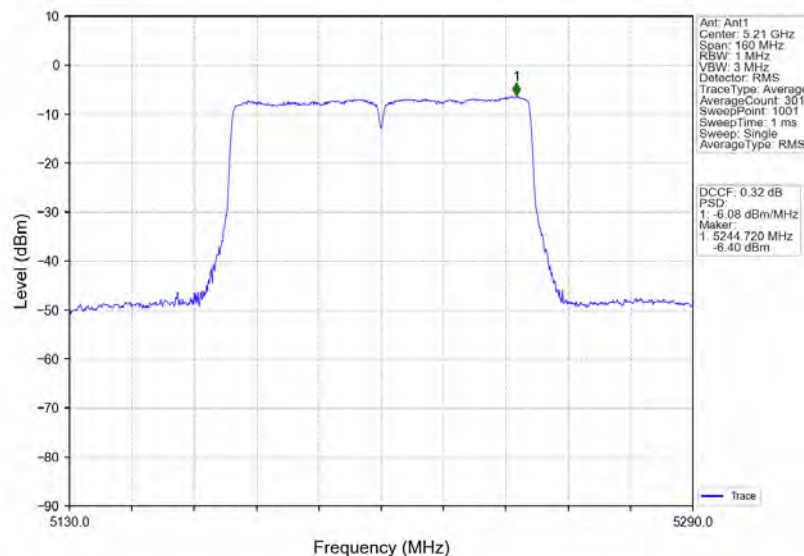
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802.11ac(VHT80) MCH 5210MHz Ant1 NTN



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4.2 PSD-Band3

4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-4.22	<=30	Pass
		5785	-4.45	<=30	Pass
		5825	-5.16	<=30	Pass
802.11n (HT20)	SISO	5745	-4.62	<=30	Pass
		5785	-4.81	<=30	Pass
		5825	-5.71	<=30	Pass
802.11n (HT40)	SISO	5755	-7.95	<=30	Pass
		5795	-8.19	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.53	<=30	Pass
		5785	-4.81	<=30	Pass
		5825	-5.74	<=30	Pass
802.11ac (VHT40)	SISO	5755	-8.06	<=30	Pass
		5795	-8.21	<=30	Pass
802.11ac (VHT80)	SISO	5775	-11.13	<=30	Pass

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



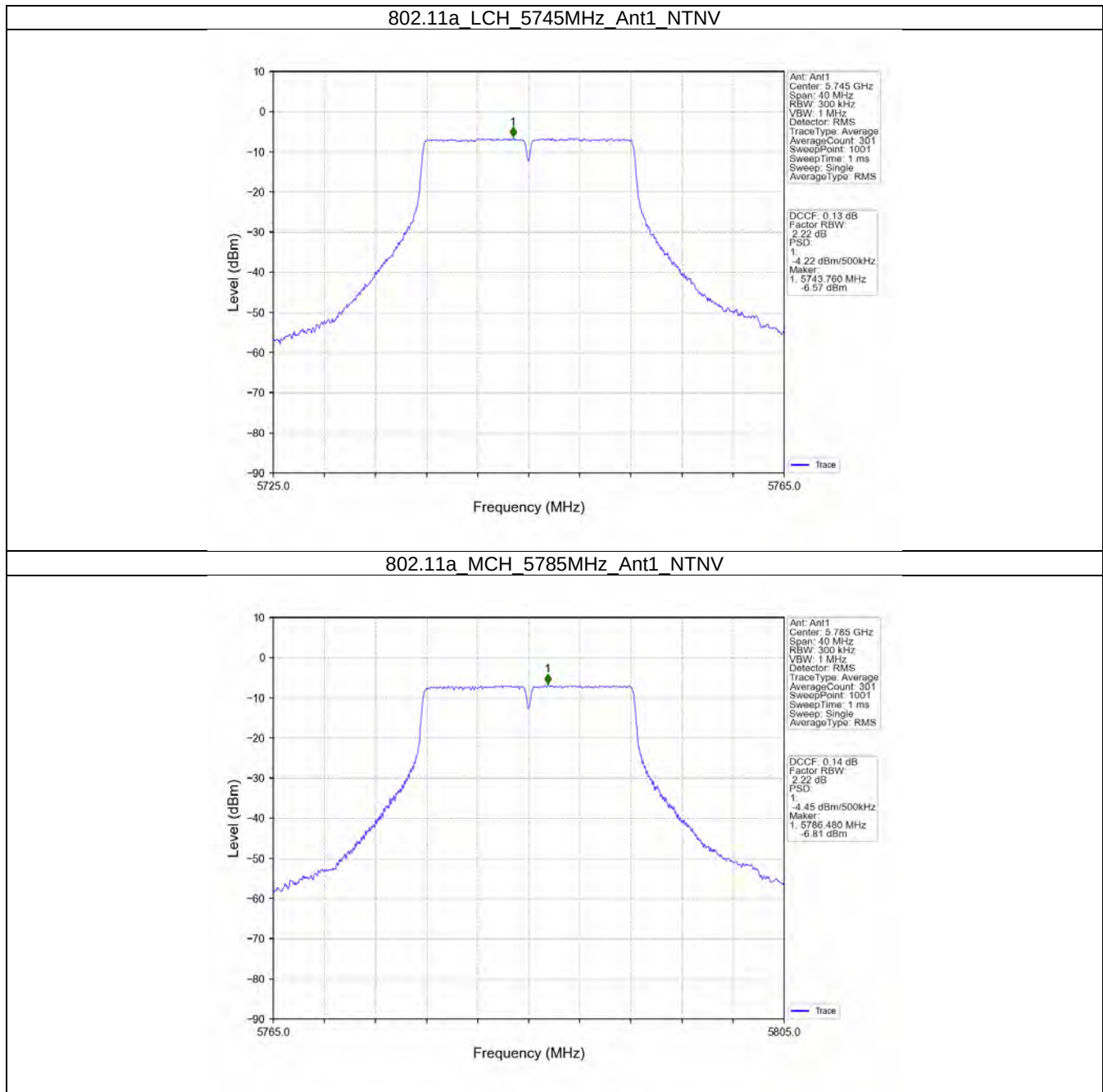
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4.2.2 Test Graph



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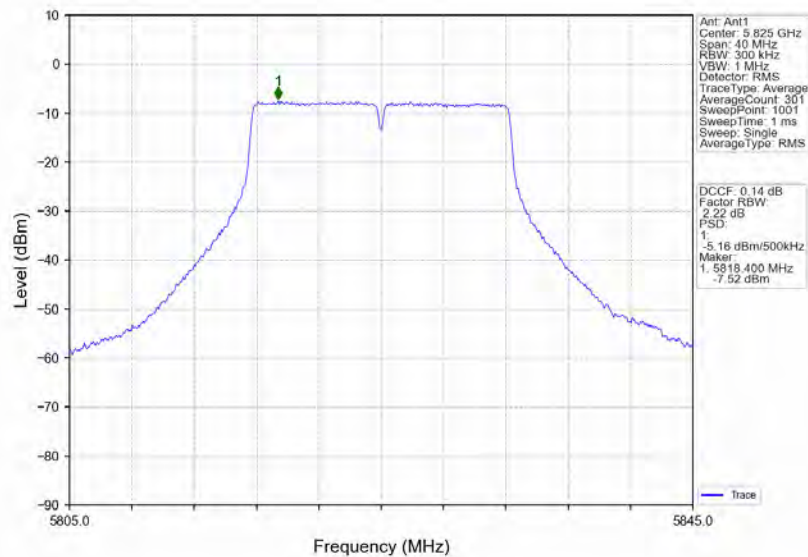
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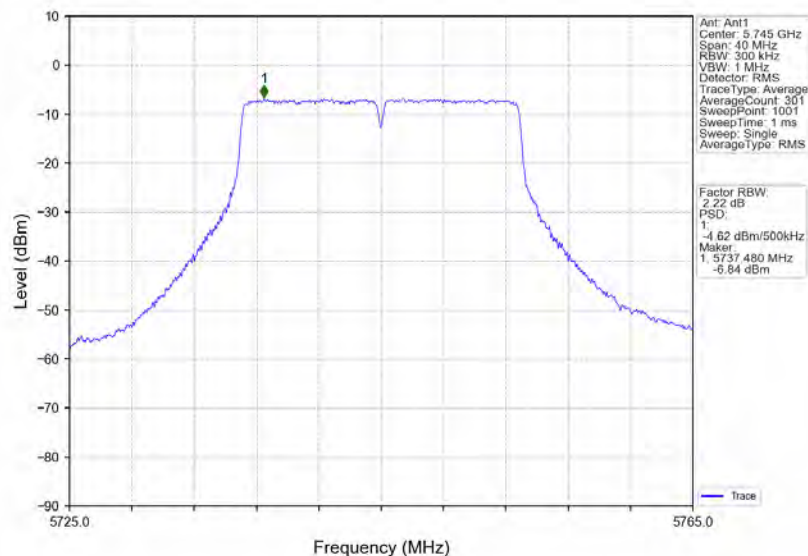
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802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



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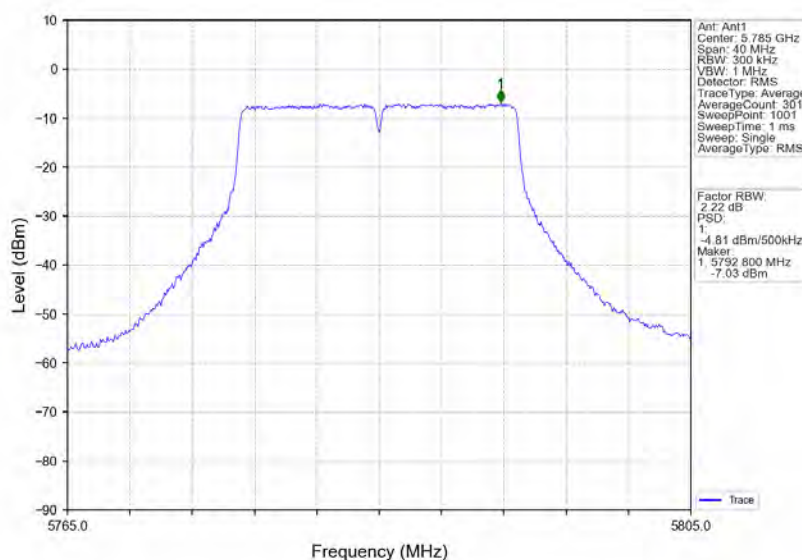
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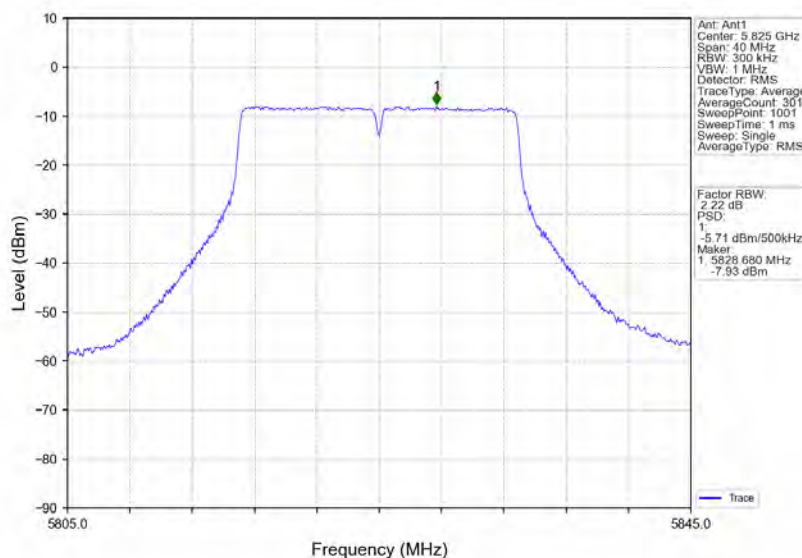
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802.11n(HT20) MCH 5785MHz Ant1 NTV



802.11n(HT20) HCH 5825MHz Ant1 NTV



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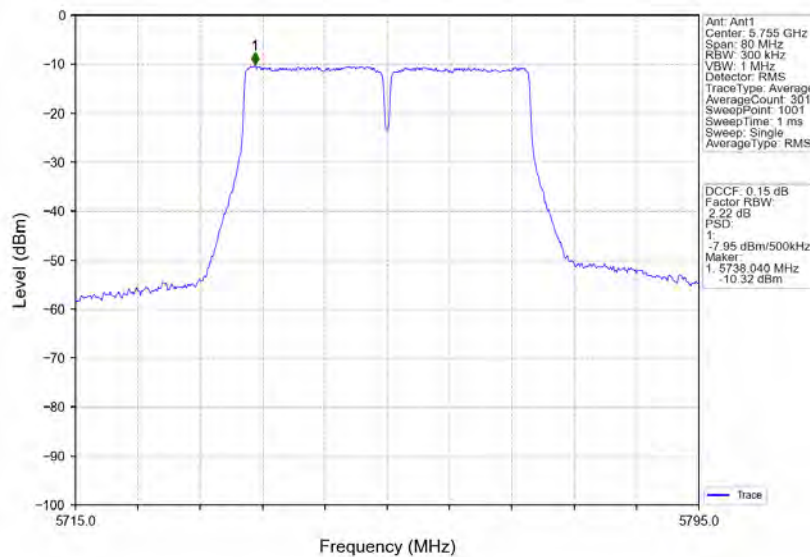
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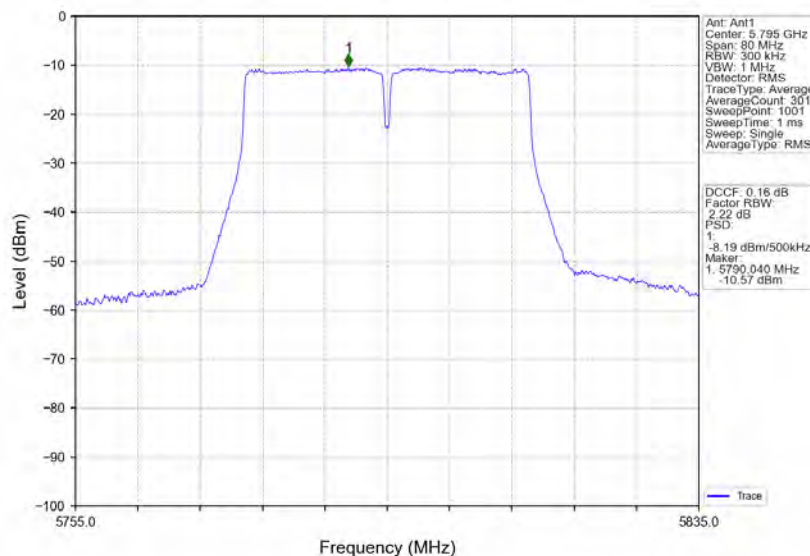
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802.11n(HT40) LCH 5755MHz Ant1 NTN



802.11n(HT40) HCH 5795MHz Ant1 NTN



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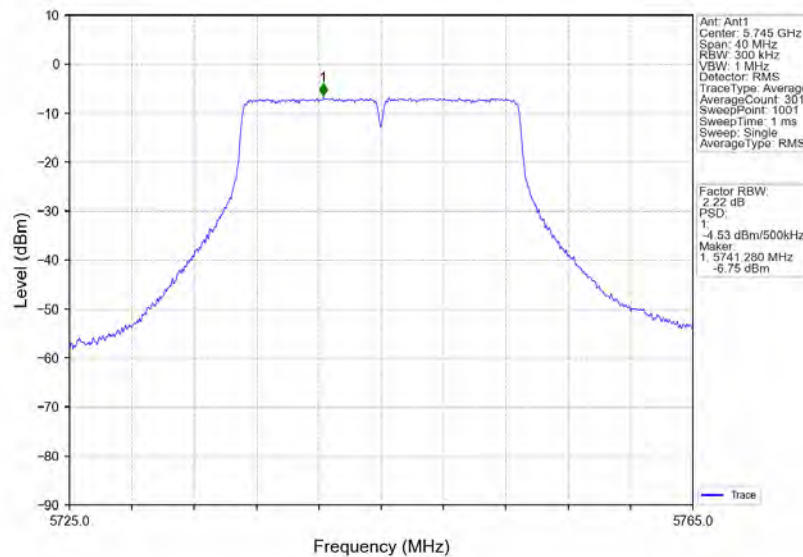
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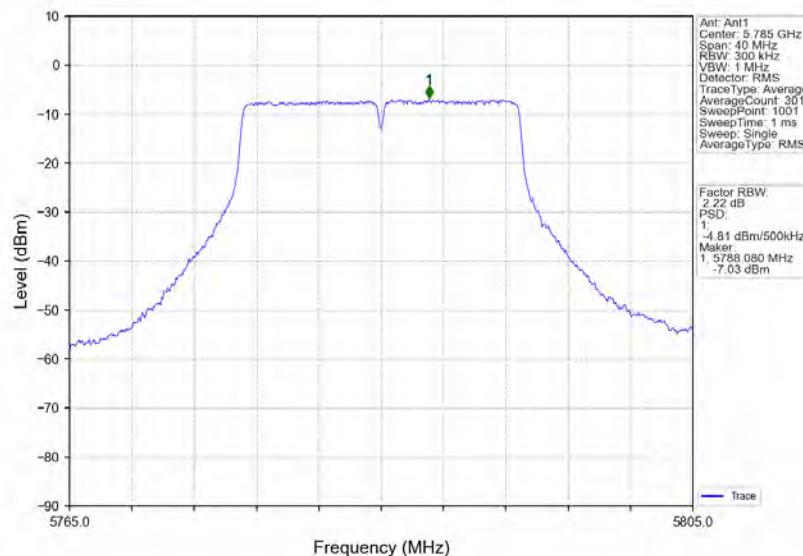
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802.11ac(VHT20) LCH 5745MHz Ant1 NTN



802.11ac(VHT20) MCH 5785MHz Ant1 NTN



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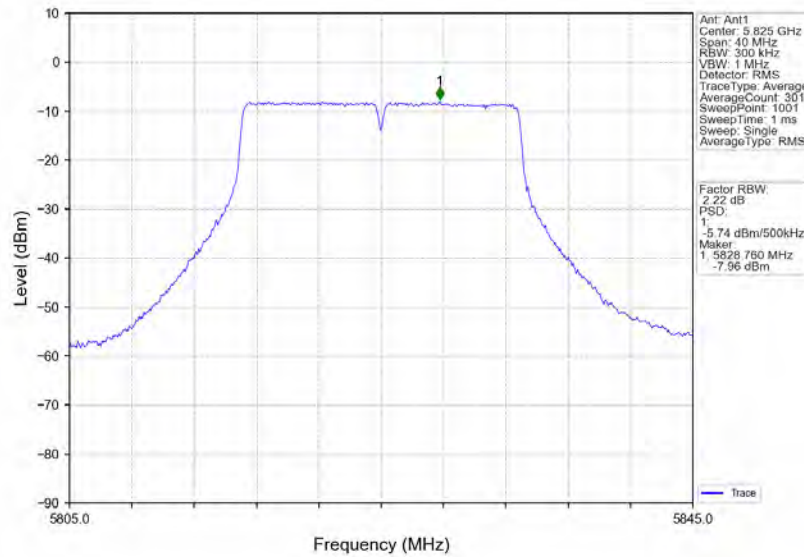
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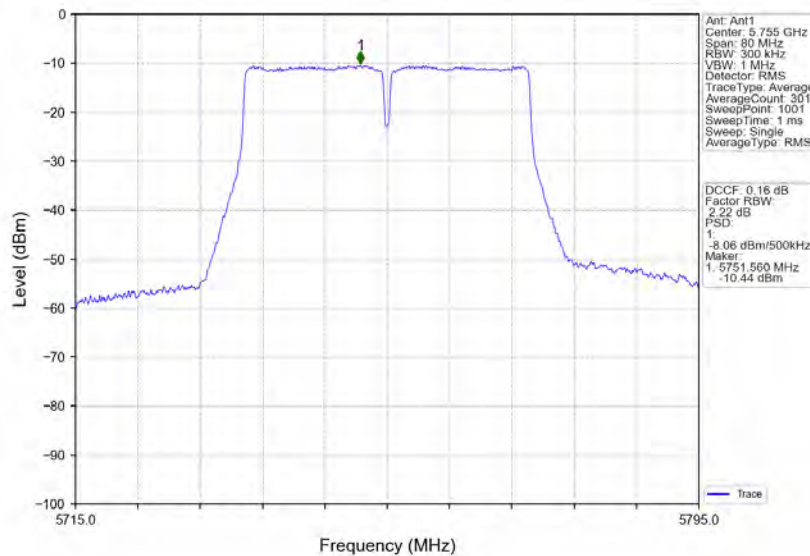
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802.11ac(VHT20) HCH 5825MHz Ant1 NTN



802.11ac(VHT40) LCH 5755MHz Ant1 NTN

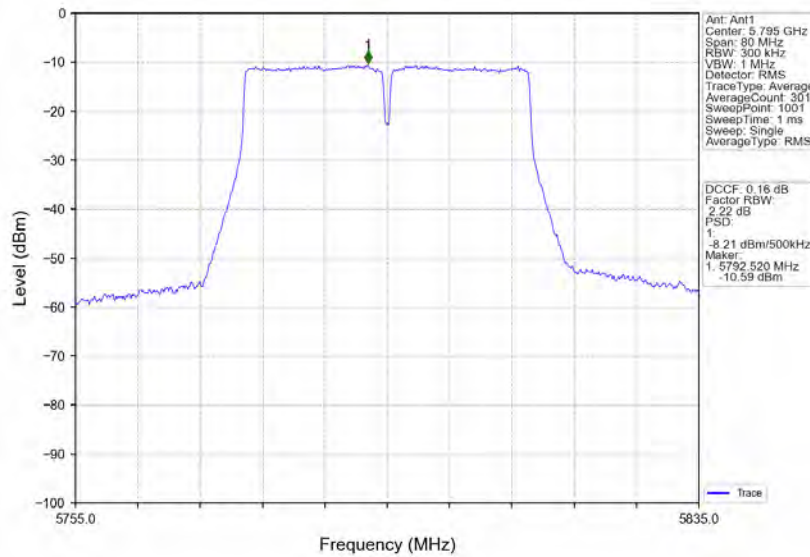


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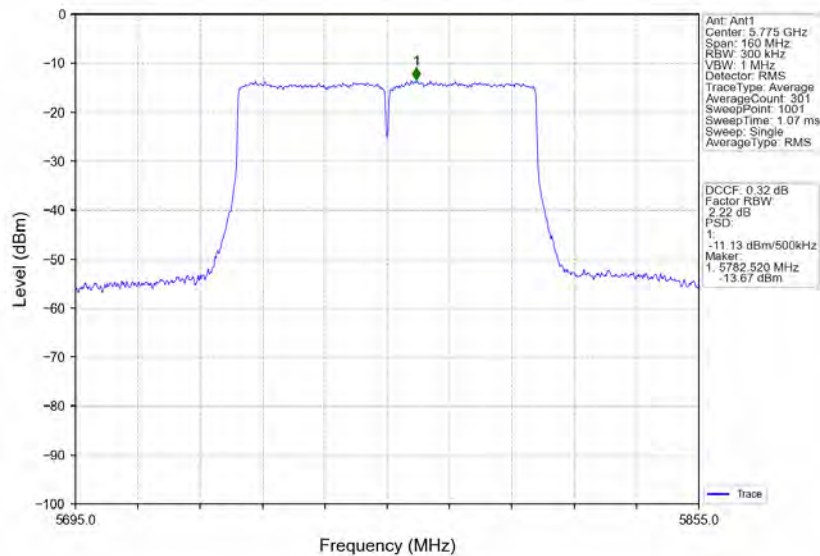
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802.11ac(VHT40) HCH 5795MHz Ant1 NTN



802.11ac(VHT80) MCH 5775MHz Ant1 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 (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	6.12	5179.960	5150 to 5250	Pass
				7.20	5179.940	5150 to 5250	Pass
				8.28	5179.980	5150 to 5250	Pass
			-30	7.20	5179.940	5150 to 5250	Pass
			-20	7.20	5179.960	5150 to 5250	Pass
			-10	7.20	5179.920	5150 to 5250	Pass
			0	7.20	5179.980	5150 to 5250	Pass
			10	7.20	5179.980	5150 to 5250	Pass
			30	7.20	5179.980	5150 to 5250	Pass
			40	7.20	5179.980	5150 to 5250	Pass
			50	7.20	5179.940	5150 to 5250	Pass
		5200	20	6.12	5199.980	5150 to 5250	Pass
				7.20	5199.940	5150 to 5250	Pass
				8.28	5199.960	5150 to 5250	Pass
			-30	7.20	5199.960	5150 to 5250	Pass
			-20	7.20	5199.960	5150 to 5250	Pass
			-10	7.20	5199.960	5150 to 5250	Pass
			0	7.20	5199.940	5150 to 5250	Pass
			10	7.20	5199.940	5150 to 5250	Pass
			30	7.20	5199.980	5150 to 5250	Pass
			40	7.20	5200.020	5150 to 5250	Pass
			50	7.20	5200.000	5150 to 5250	Pass
		5240	20	6.12	5239.960	5150 to 5250	Pass
				7.20	5240.000	5150 to 5250	Pass
				8.28	5239.940	5150 to 5250	Pass
			-30	7.20	5240.000	5150 to 5250	Pass
			-20	7.20	5239.960	5150 to 5250	Pass
			-10	7.20	5239.960	5150 to 5250	Pass
			0	7.20	5239.940	5150 to 5250	Pass
			10	7.20	5239.920	5150 to 5250	Pass
			30	7.20	5240.000	5150 to 5250	Pass
			40	7.20	5240.040	5150 to 5250	Pass
			50	7.20	5239.980	5150 to 5250	Pass
		5745	20	6.12	5744.960	5725 to 5850	Pass
				7.20	5744.920	5725 to 5850	Pass
				8.28	5744.940	5725 to 5850	Pass
			-30	7.20	5744.940	5725 to 5850	Pass
			-20	7.20	5744.940	5725 to 5850	Pass
			-10	7.20	5744.960	5725 to 5850	Pass
			0	7.20	5744.940	5725 to 5850	Pass



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

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

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

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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

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

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Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

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

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



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