

Product Name : Digital Photo Frame

Mode: BS-DGCL15

FCC ID : 2AL64-CF-1566P

1. Duty Cycle

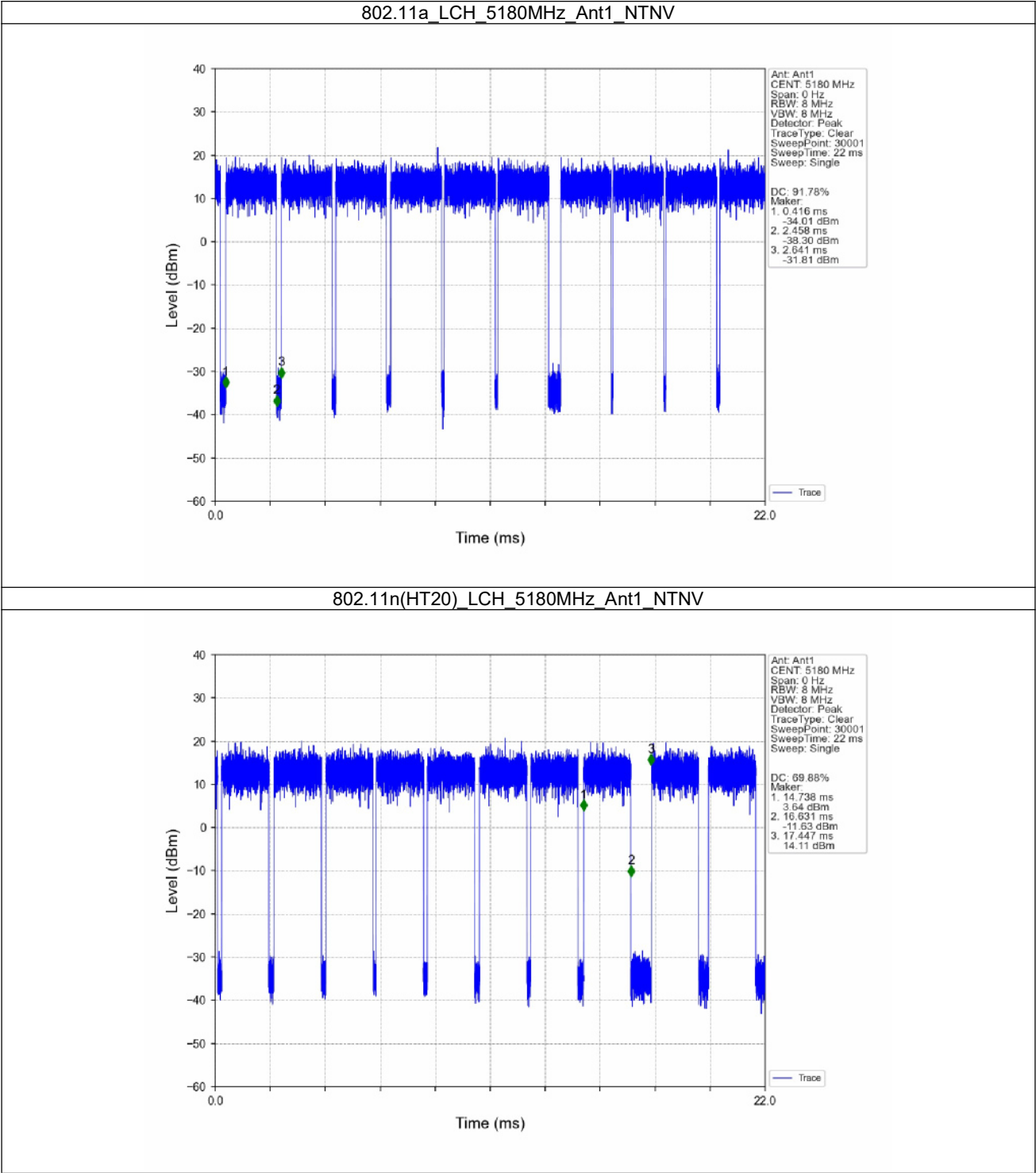
1.1 Test Result

1.1.1 Ant1

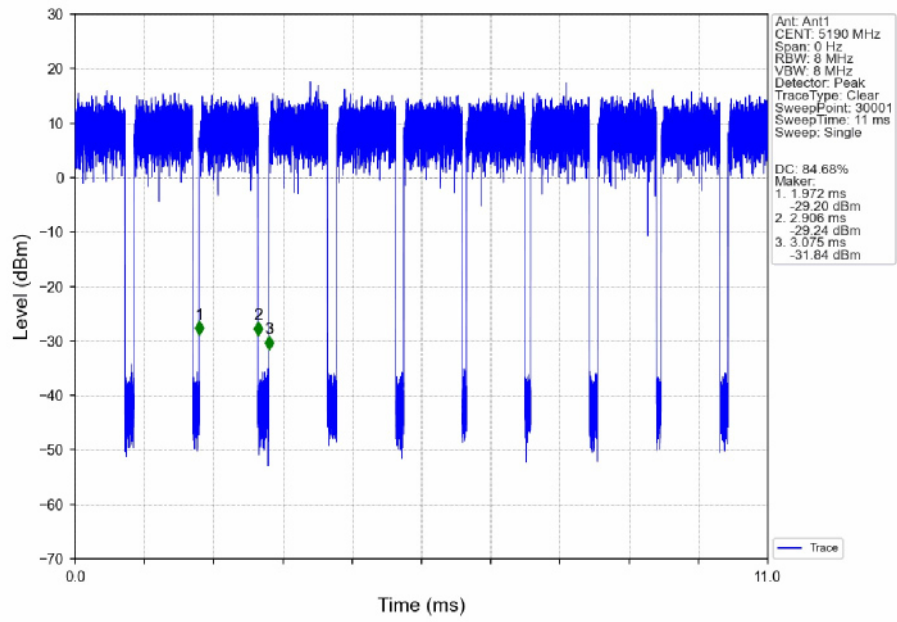
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.042	2.225	91.78	0.37	4.91
802.11n (HT20)	SISO	5180	/	/	1.893	2.709	69.88	1.56	24.16
802.11n (HT40)	SISO	5190	/	/	0.934	1.103	84.68	0.72	9.19
802.11ac (VHT20)	SISO	5180	/	/	1.907	2.071	92.08	0.36	5.94
802.11ac (VHT40)	SISO	5190	/	/	0.938	1.115	84.13	0.75	7.37

1.2 Test Graph

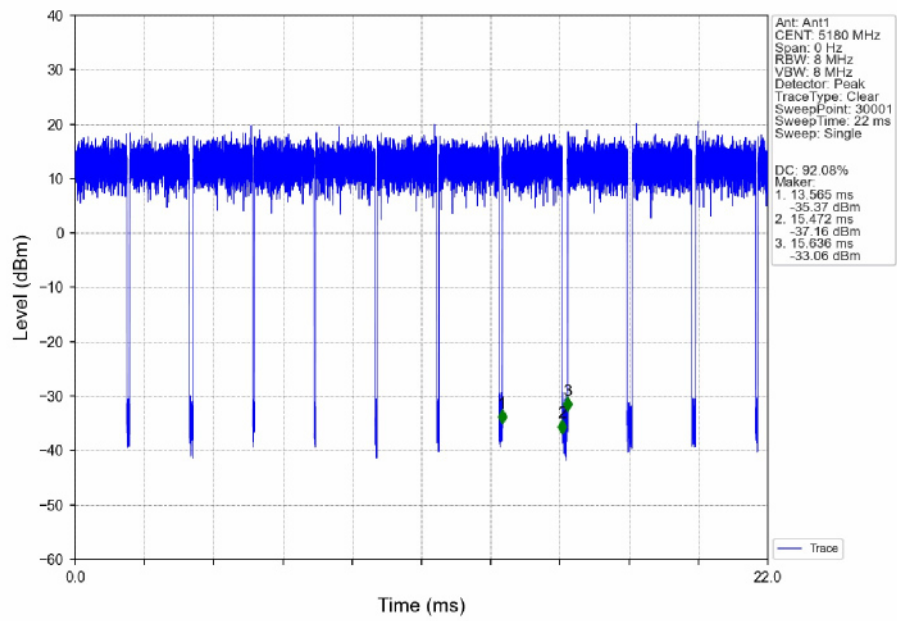
1.2.1 Ant1



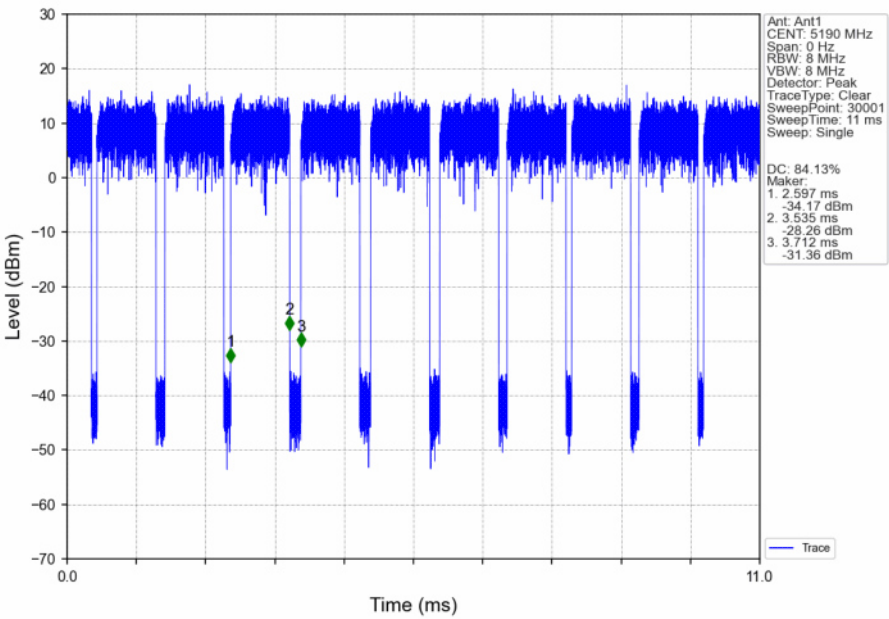
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	16.731	/	Pass
		5200	/	/	1	16.704	/	Pass
		5240	/	/	1	16.729	/	Pass
		5260	/	/	1	16.706	/	Pass
		5300	/	/	1	16.722	/	Pass
		5320	/	/	1	16.733	/	Pass
		5500	/	/	1	16.833	/	Pass
		5580	/	/	1	16.822	/	Pass
		5700	/	/	1	16.830	/	Pass
		5745	/	/	1	16.922	/	Pass
		5785	/	/	1	16.860	/	Pass
		5825	/	/	1	16.882	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	17.897	/	Pass
		5200	/	/	1	17.898	/	Pass
		5240	/	/	1	17.921	/	Pass
		5260	/	/	1	17.908	/	Pass
		5300	/	/	1	17.899	/	Pass
		5320	/	/	1	17.852	/	Pass
		5500	/	/	1	18.012	/	Pass
		5580	/	/	1	18.052	/	Pass
		5700	/	/	1	17.969	/	Pass
		5745	/	/	1	18.030	/	Pass
		5785	/	/	1	18.050	/	Pass
		5825	/	/	1	18.033	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.081	/	Pass
		5230	/	/	1	36.946	/	Pass
		5270	/	/	1	36.994	/	Pass
		5310	/	/	1	36.949	/	Pass
		5510	/	/	1	37.436	/	Pass
		5550	/	/	1	37.389	/	Pass
		5670	/	/	1	37.500	/	Pass
		5755	/	/	1	37.452	/	Pass
		5795	/	/	1	37.481	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	17.883	/	Pass
		5200	/	/	1	17.850	/	Pass
		5240	/	/	1	17.943	/	Pass
		5260	/	/	1	17.907	/	Pass
		5300	/	/	1	17.870	/	Pass
		5320	/	/	1	17.886	/	Pass
		5500	/	/	1	18.058	/	Pass
		5580	/	/	1	18.006	/	Pass
		5700	/	/	1	18.058	/	Pass
		5745	/	/	1	18.019	/	Pass
		5785	/	/	1	18.084	/	Pass
		5825	/	/	1	18.091	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.141	/	Pass
		5230	/	/	1	37.045	/	Pass

		5270	/	/	1	37.038	/	Pass
		5310	/	/	1	37.135	/	Pass
		5510	/	/	1	37.412	/	Pass
		5550	/	/	1	37.525	/	Pass
		5670	/	/	1	37.437	/	Pass
		5755	/	/	1	37.360	/	Pass
		5795	/	/	1	37.381	/	Pass

2.1.2 26dB BW

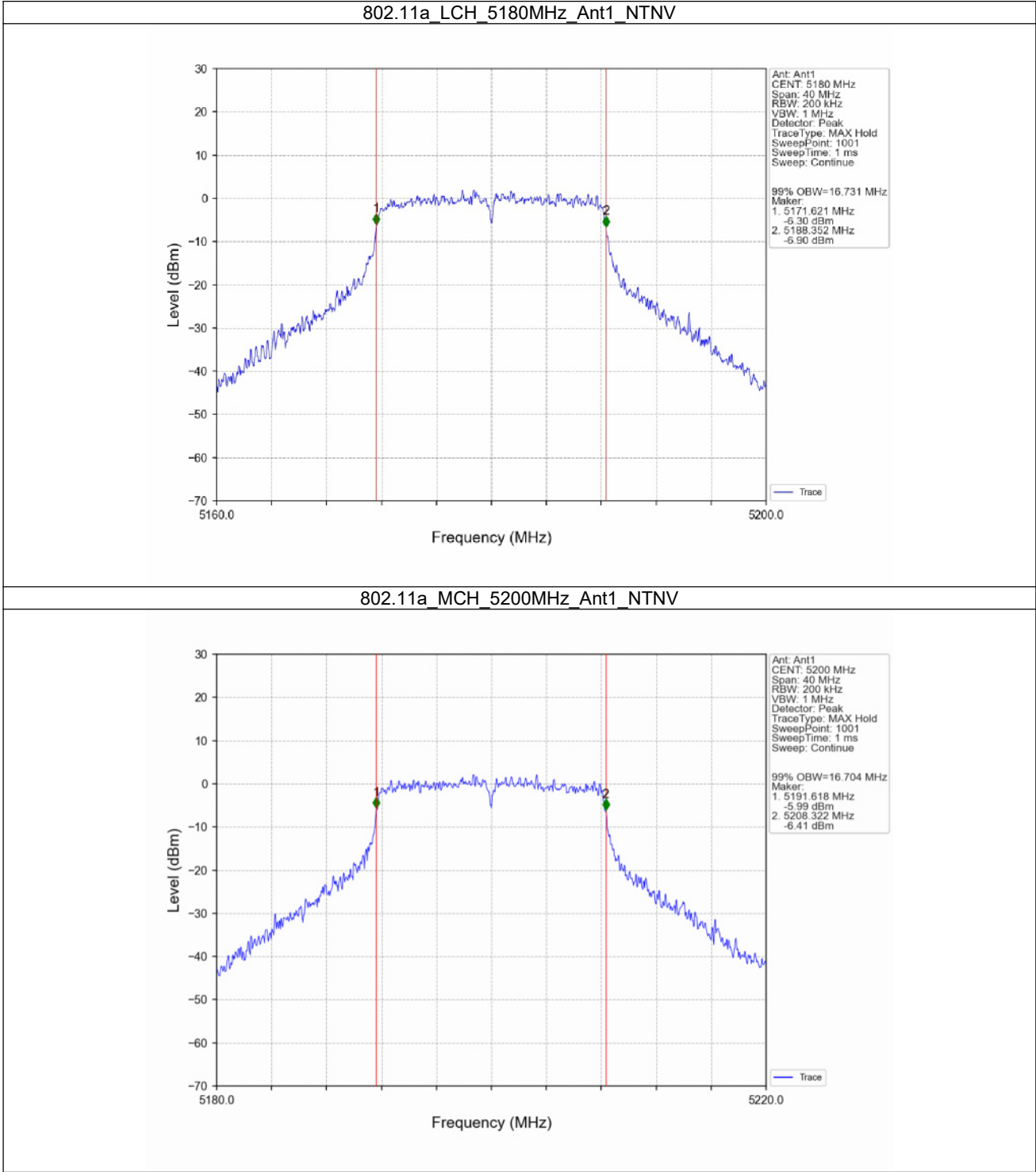
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	25.129	/	Pass
		5200	/	/	1	26.290	/	Pass
		5240	/	/	1	25.158	/	Pass
		5260	/	/	1	24.704	/	Pass
		5300	/	/	1	24.676	/	Pass
		5320	/	/	1	25.014	/	Pass
		5500	/	/	1	24.934	/	Pass
		5580	/	/	1	24.931	/	Pass
802.11n (HT20)	SISO	5700	/	/	1	25.126	/	Pass
		5180	/	/	1	26.182	/	Pass
		5200	/	/	1	26.499	/	Pass
		5240	/	/	1	26.146	/	Pass
		5260	/	/	1	26.045	/	Pass
		5300	/	/	1	27.751	/	Pass
		5320	/	/	1	25.803	/	Pass
		5500	/	/	1	27.026	/	Pass
802.11n (HT40)	SISO	5580	/	/	1	26.260	/	Pass
		5700	/	/	1	27.044	/	Pass
		5190	/	/	1	48.487	/	Pass
		5230	/	/	1	47.565	/	Pass
		5270	/	/	1	47.593	/	Pass
		5310	/	/	1	47.840	/	Pass
		5510	/	/	1	49.546	/	Pass
		5550	/	/	1	48.602	/	Pass
802.11ac (VHT20)	SISO	5670	/	/	1	48.552	/	Pass
		5180	/	/	1	26.409	/	Pass
		5200	/	/	1	27.350	/	Pass
		5240	/	/	1	26.487	/	Pass
		5260	/	/	1	25.509	/	Pass
		5300	/	/	1	26.843	/	Pass
		5320	/	/	1	25.859	/	Pass
		5500	/	/	1	26.101	/	Pass
802.11ac (VHT40)	SISO	5580	/	/	1	26.060	/	Pass
		5700	/	/	1	28.394	/	Pass
		5190	/	/	1	48.495	/	Pass
		5230	/	/	1	48.005	/	Pass
		5270	/	/	1	48.342	/	Pass
		5310	/	/	1	49.136	/	Pass
		5510	/	/	1	48.935	/	Pass
		5550	/	/	1	49.592	/	Pass
		5670	/	/	1	50.099	/	Pass

2.1.3 6dB BW

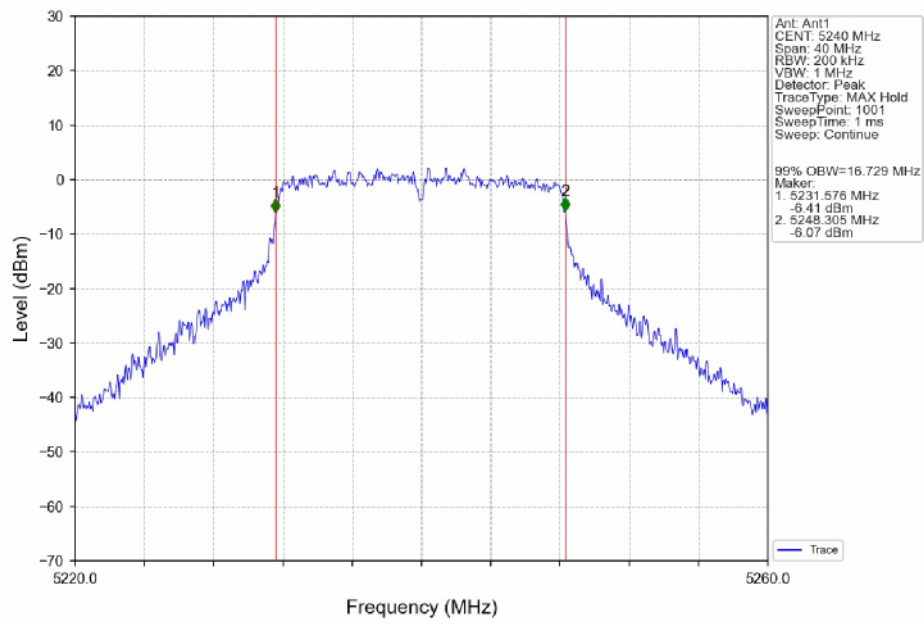
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.416	>=0.5	Pass
		5785	/	/	1	16.384	>=0.5	Pass
		5825	/	/	1	16.438	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.624	>=0.5	Pass
		5785	/	/	1	17.655	>=0.5	Pass
		5825	/	/	1	17.644	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.401	>=0.5	Pass
		5795	/	/	1	36.357	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.627	>=0.5	Pass
		5785	/	/	1	17.628	>=0.5	Pass
		5825	/	/	1	17.670	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.370	>=0.5	Pass
		5795	/	/	1	36.408	>=0.5	Pass

2.2 Test Graph

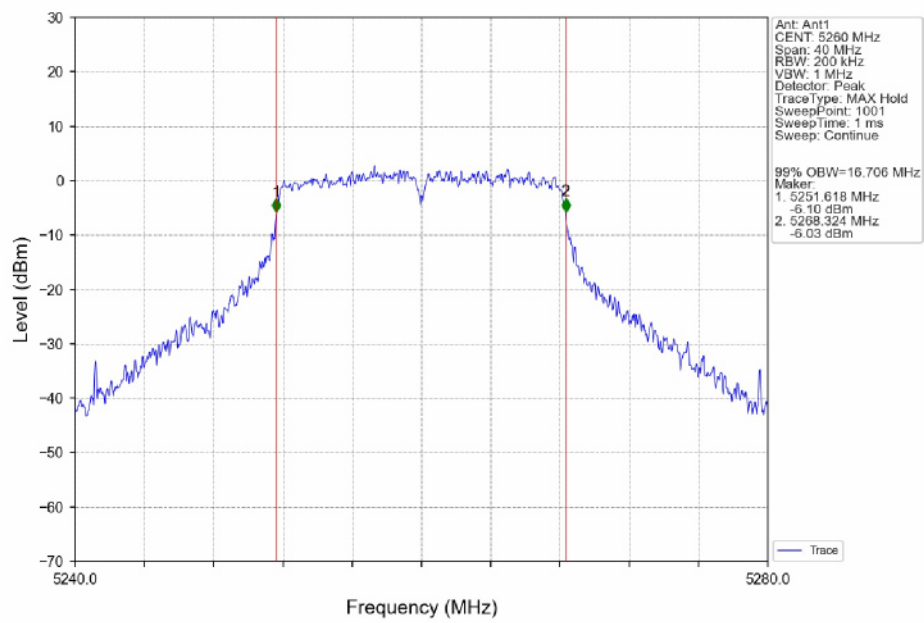
2.2.1 OBW



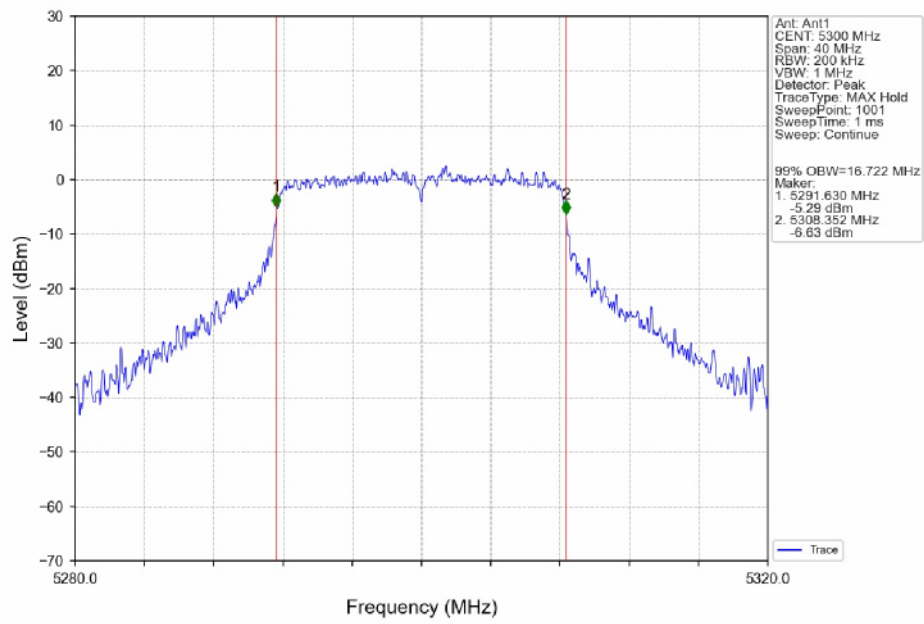
802.11a_HCH_5240MHz_Ant1_NTNV



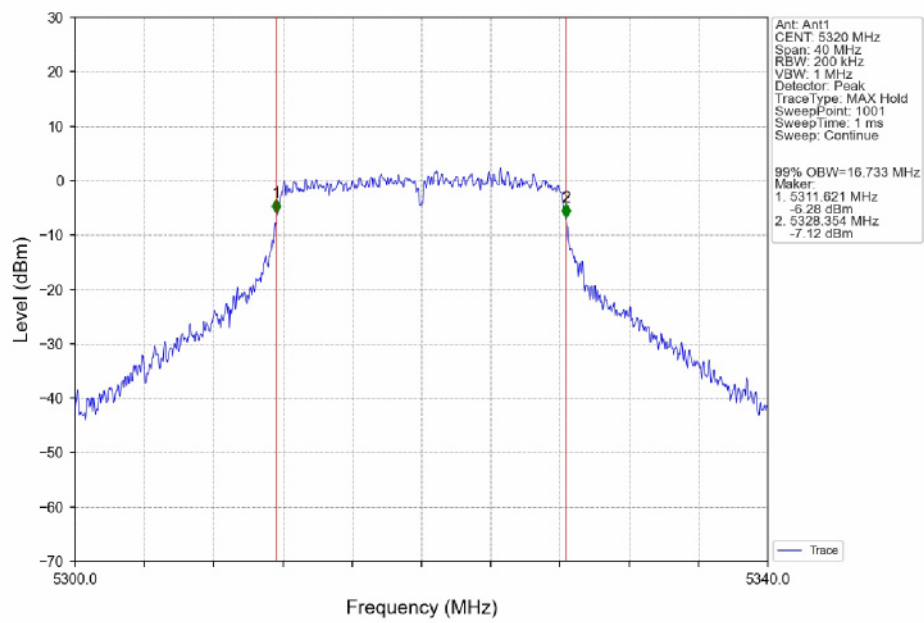
802.11a_LCH_5260MHz_Ant1_NTNV



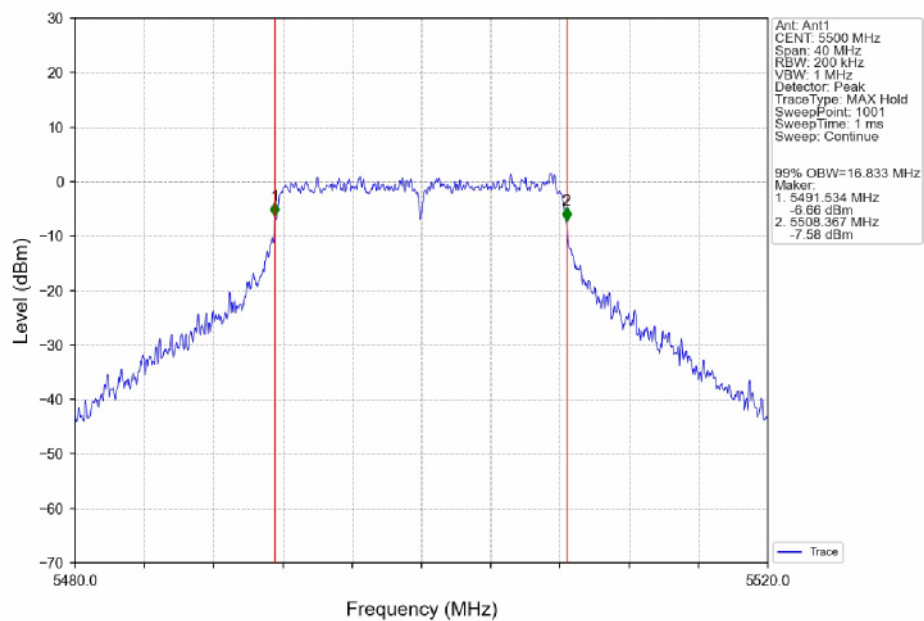
802.11a_MCH_5300MHz_Ant1_NTNV



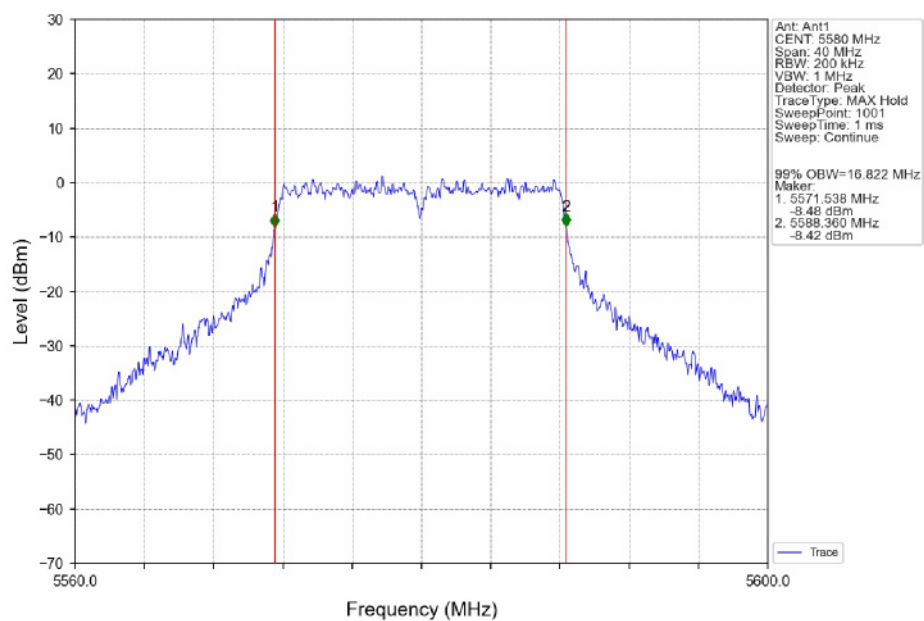
802.11a_HCH_5320MHz_Ant1_NTNV



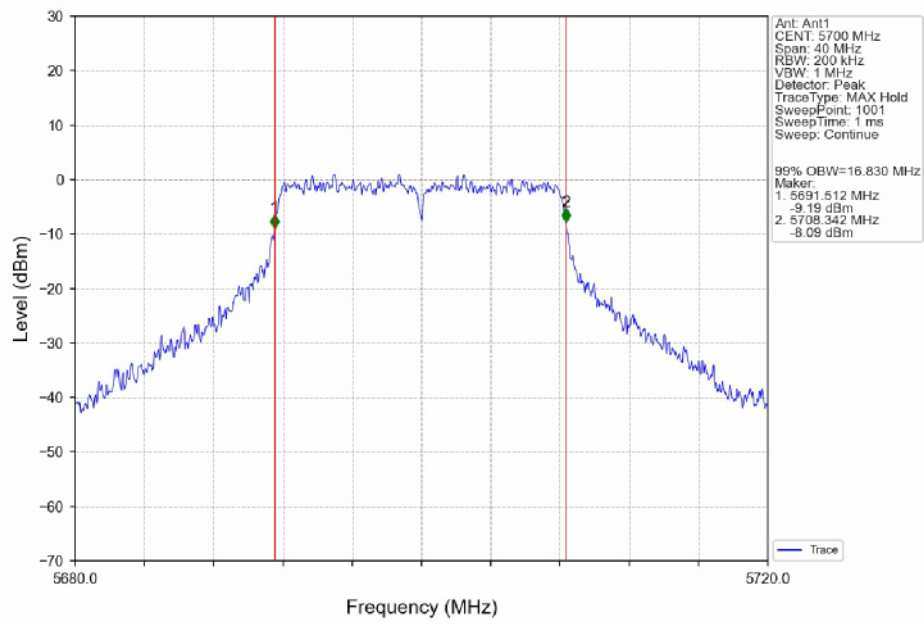
802.11a_LCH_5500MHz_Ant1_NTNV



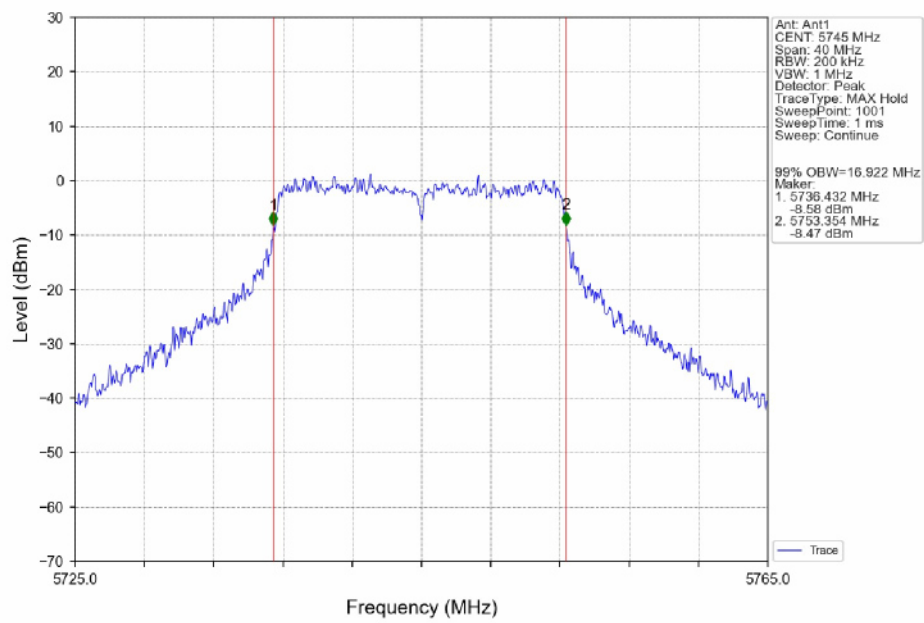
802.11a_MCH_5580MHz_Ant1_NTNV



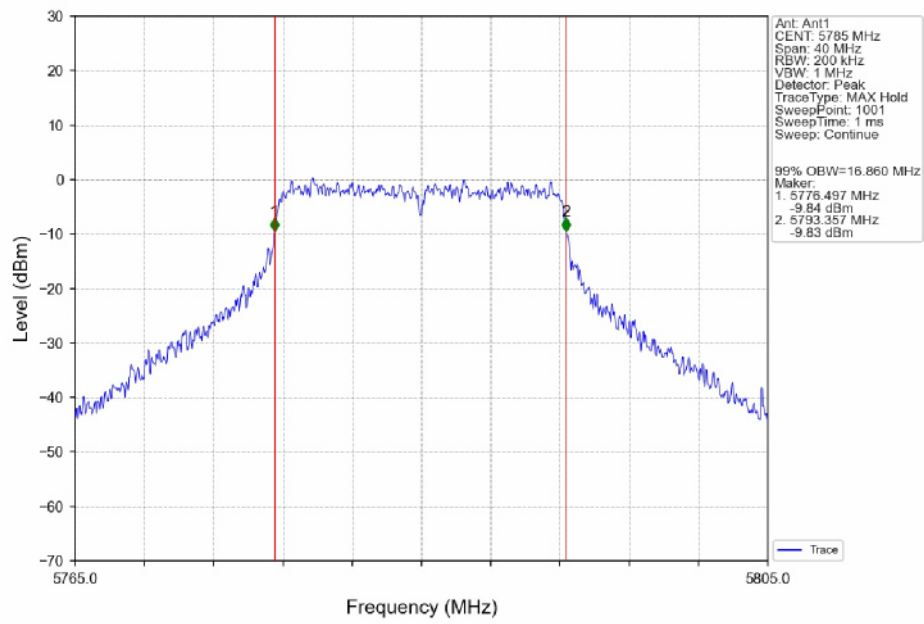
802.11a_HCH_5700MHz_Ant1_NTNV



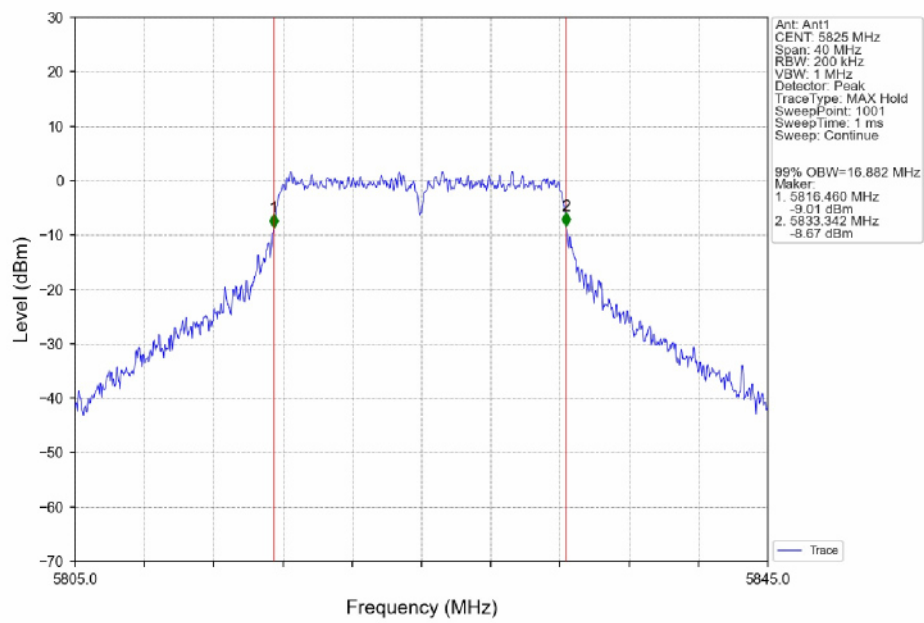
802.11a_LCH_5745MHz_Ant1_NTNV



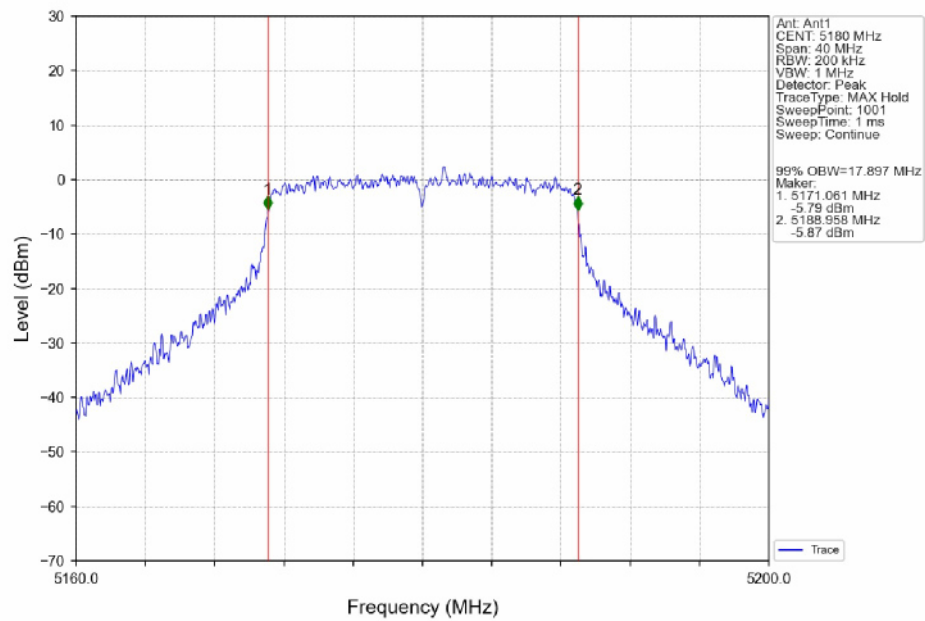
802.11a_MCH_5785MHz_Ant1_NTNV



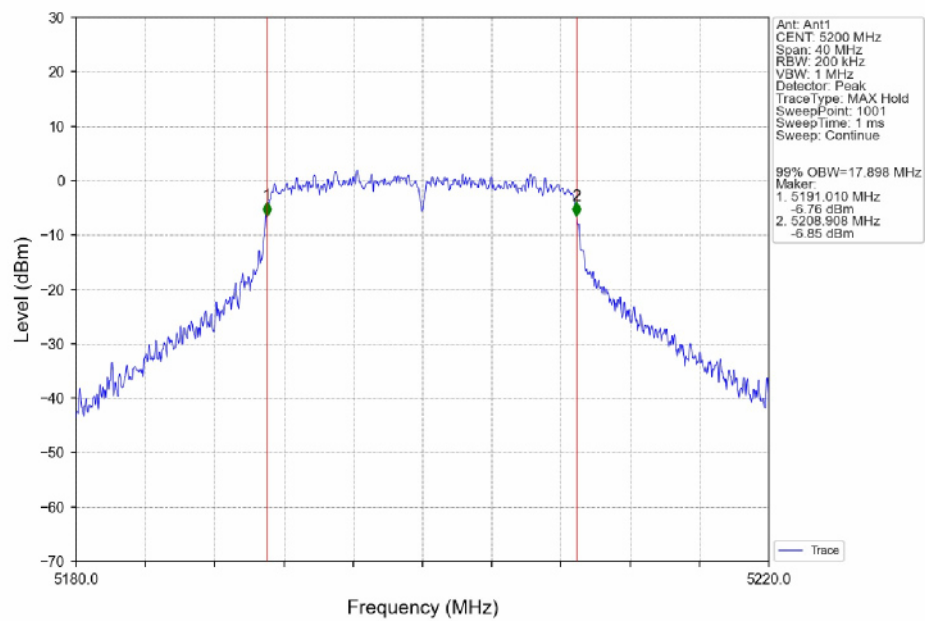
802.11a_HCH_5825MHz_Ant1_NTNV



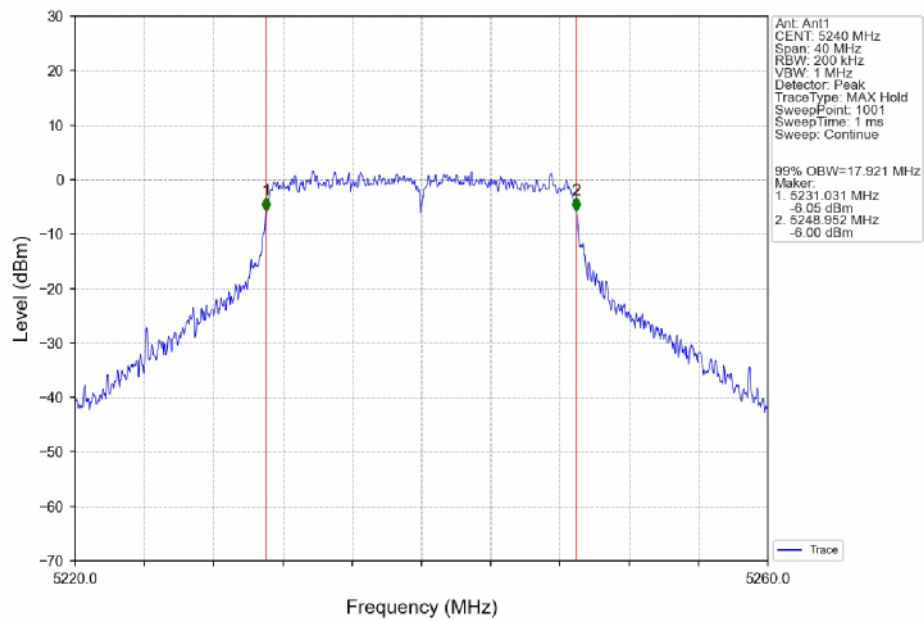
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



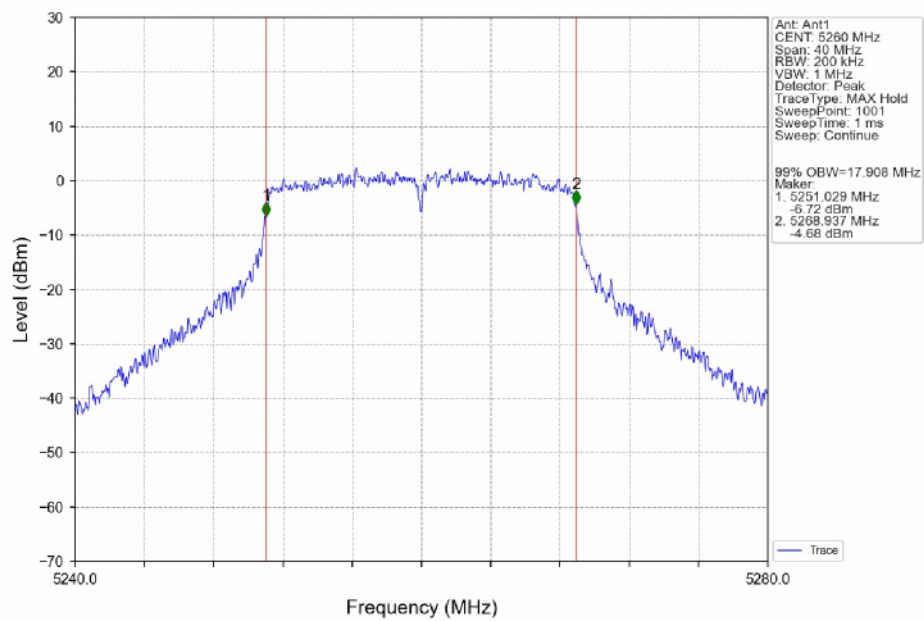
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



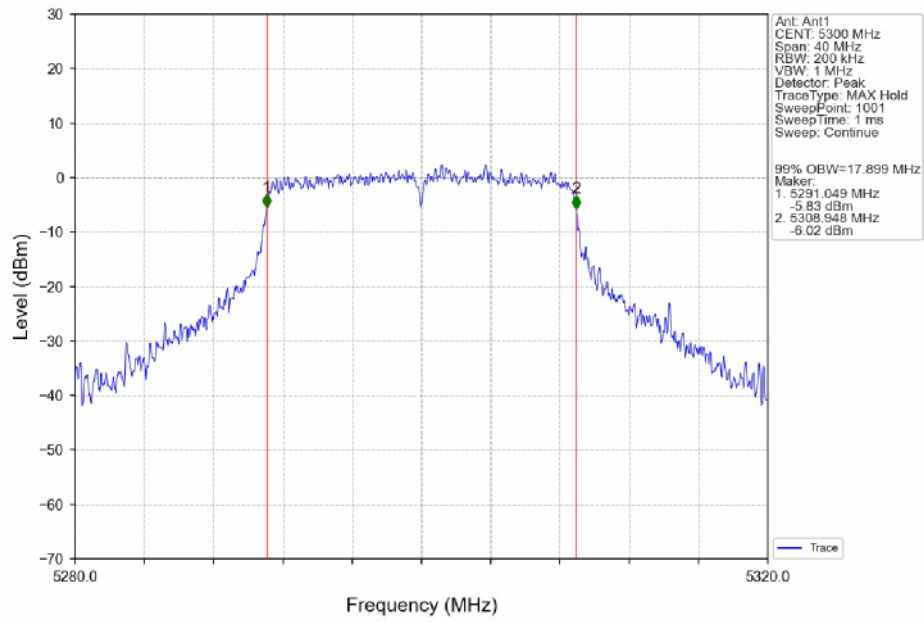
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



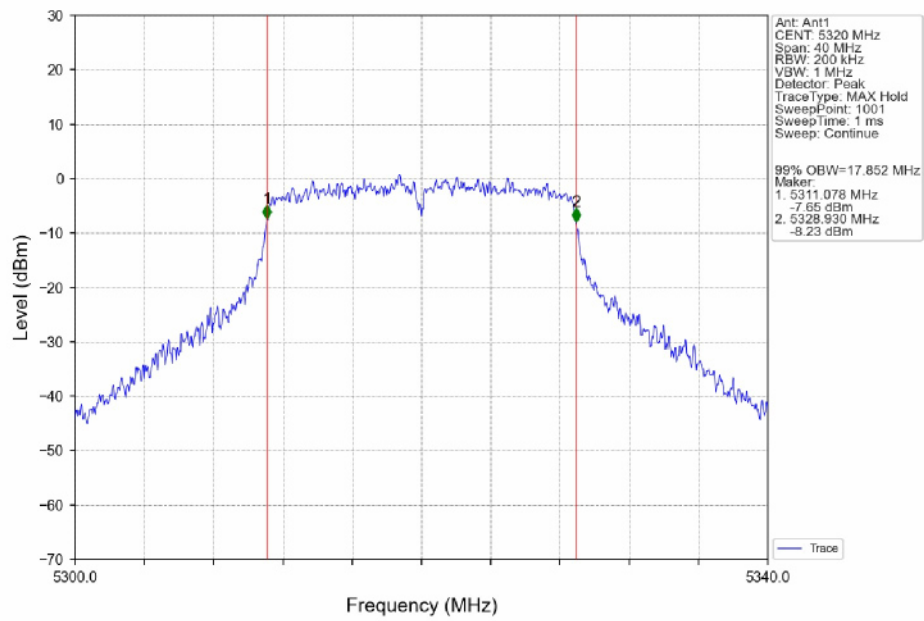
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



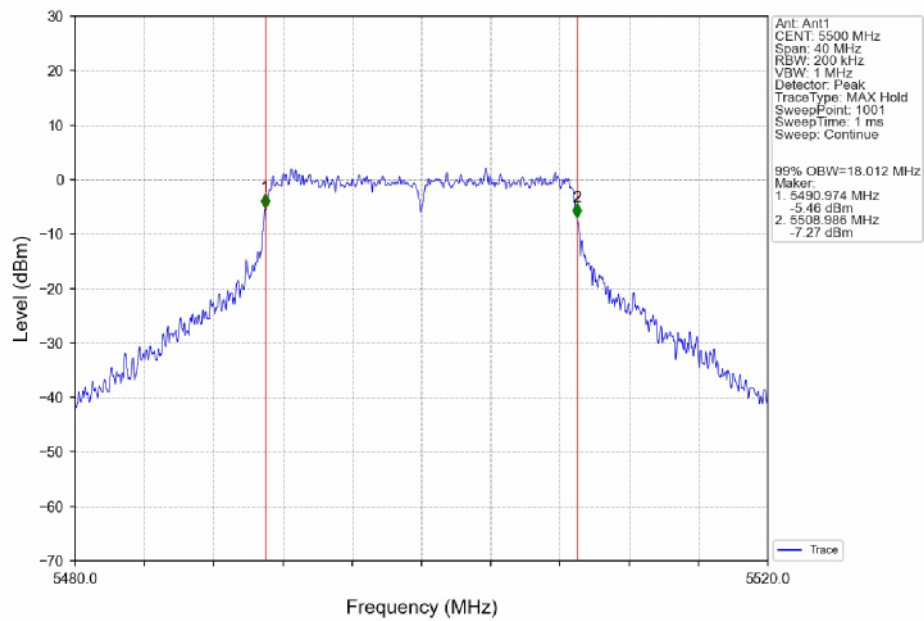
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



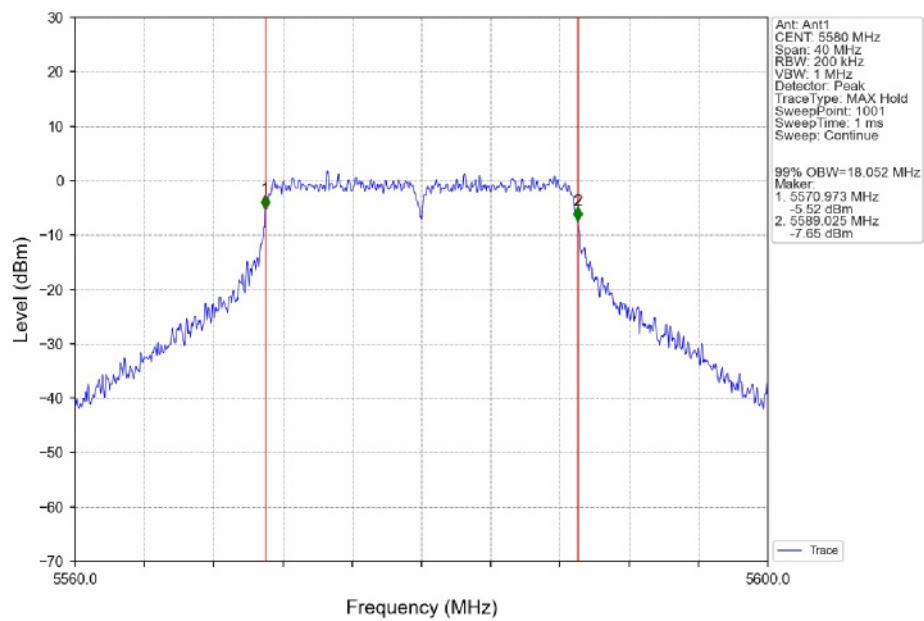
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



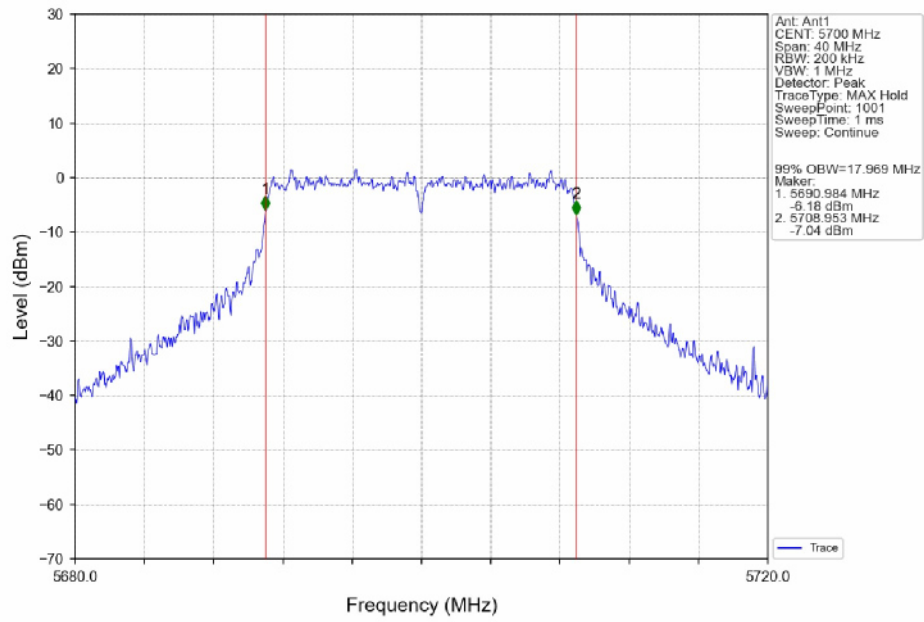
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



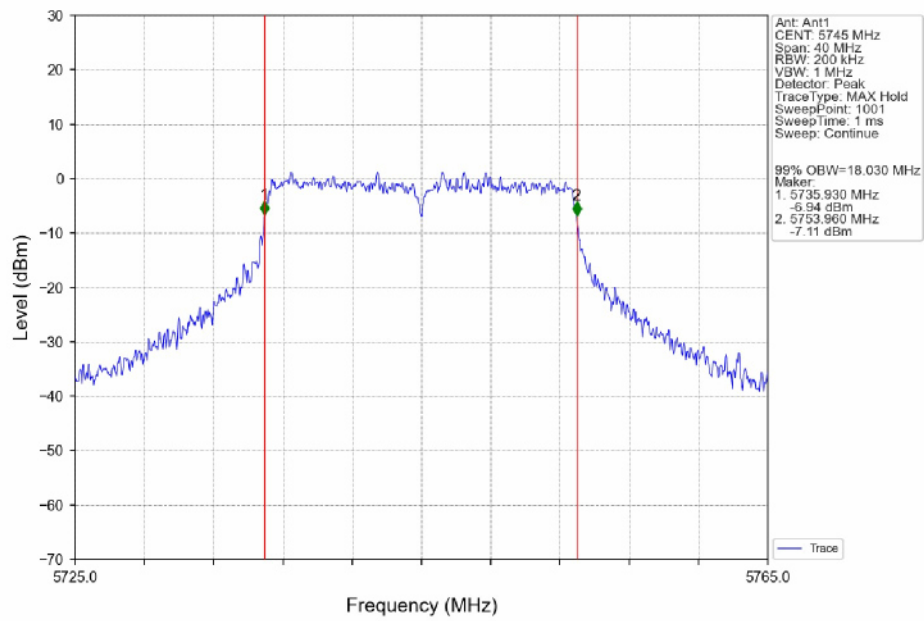
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



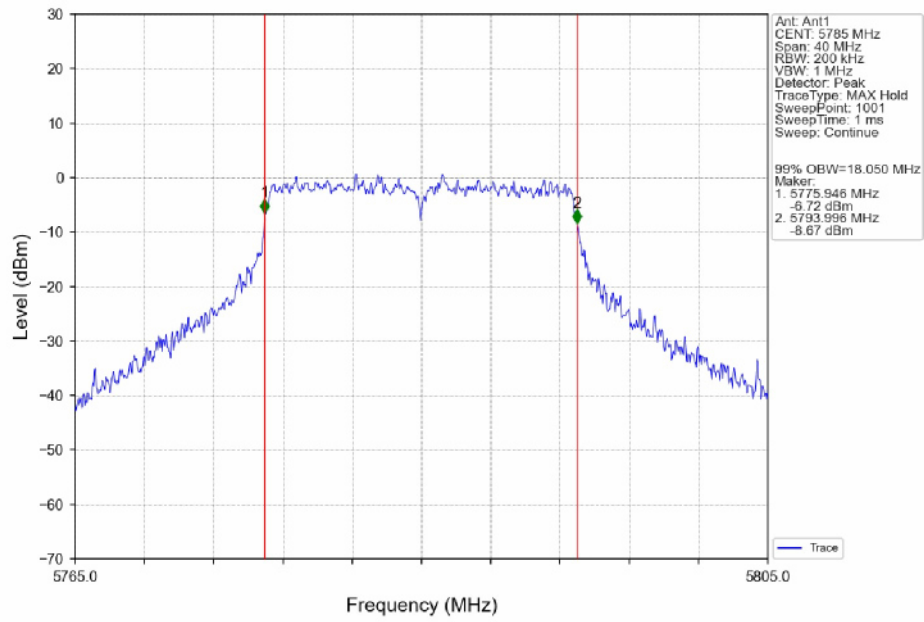
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



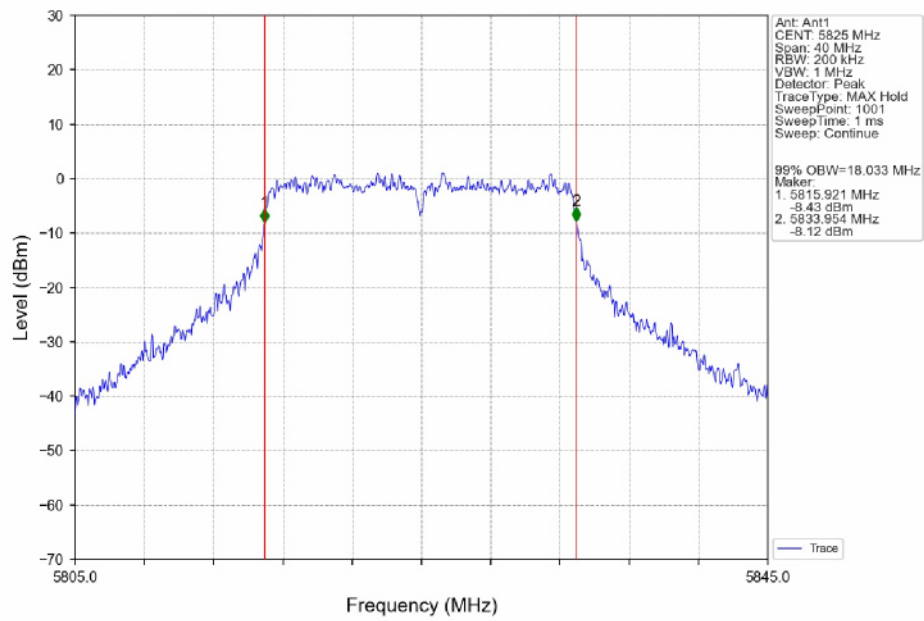
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



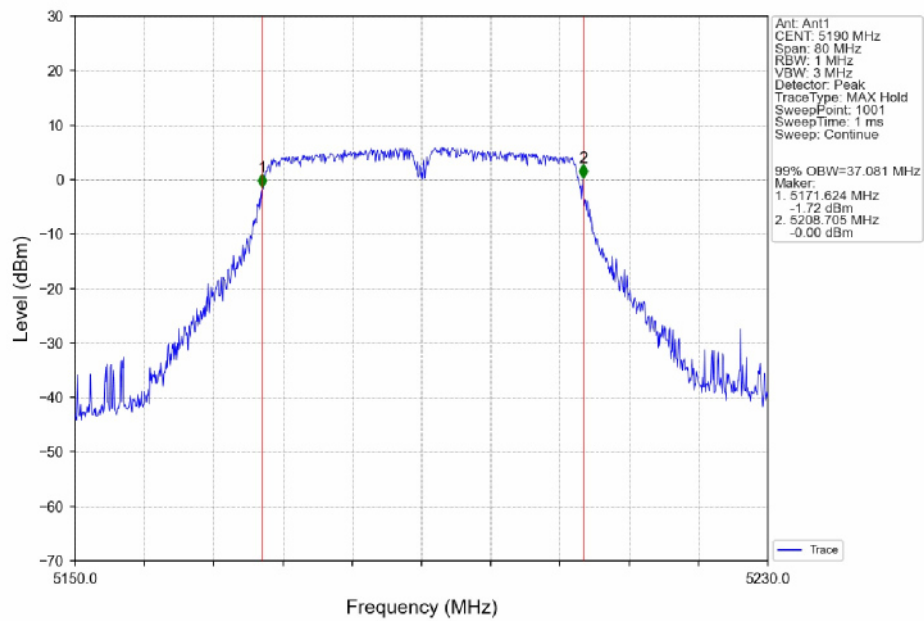
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



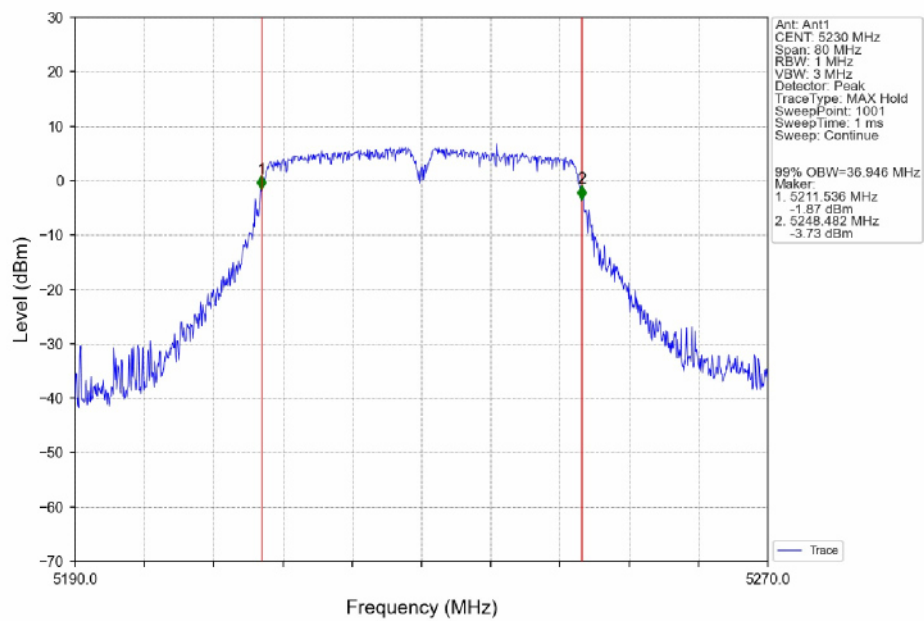
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



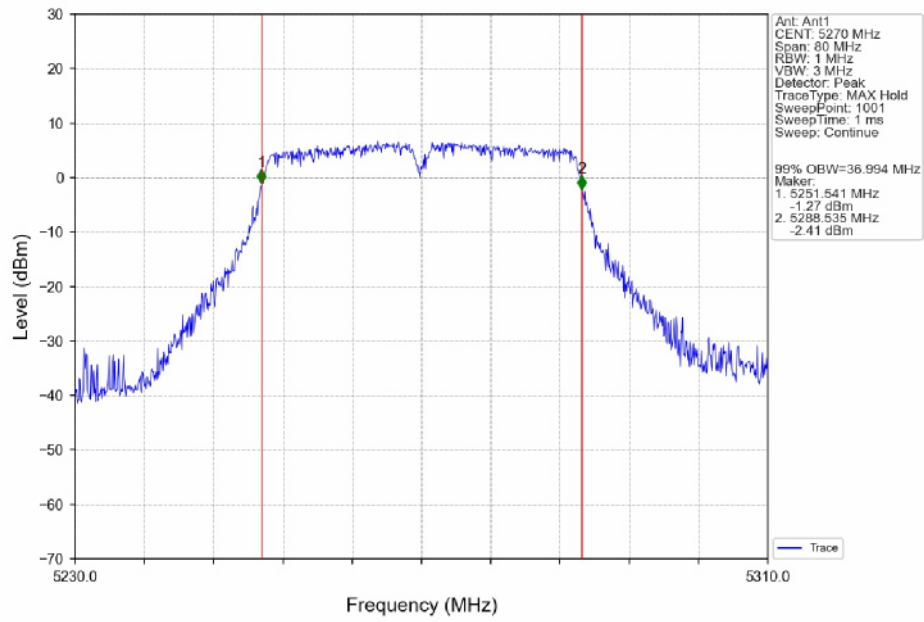
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



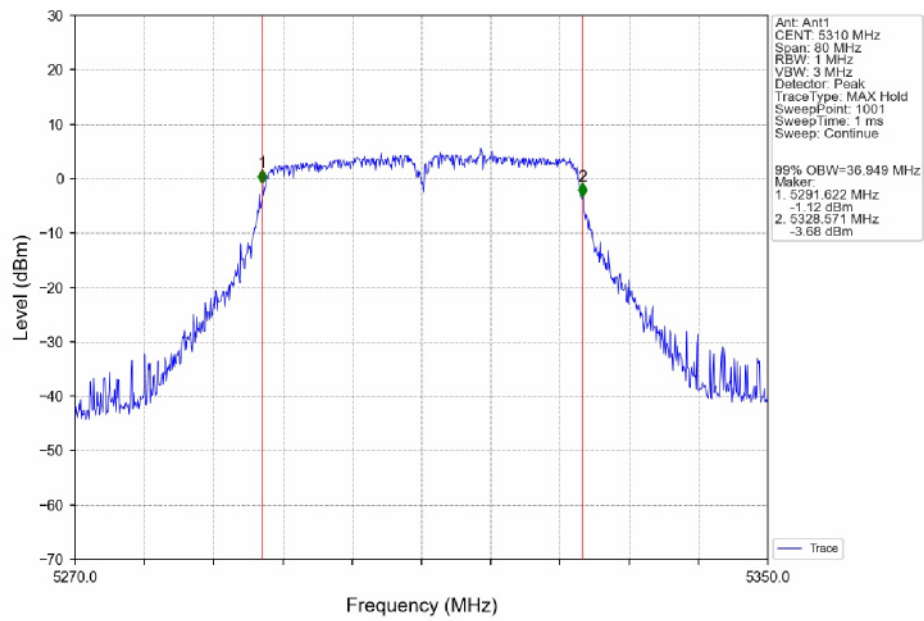
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



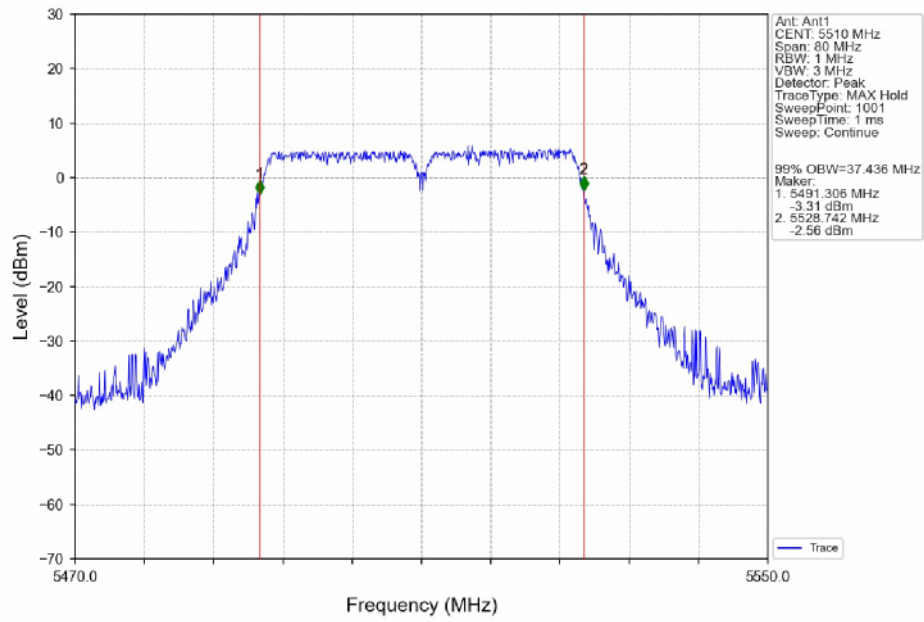
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



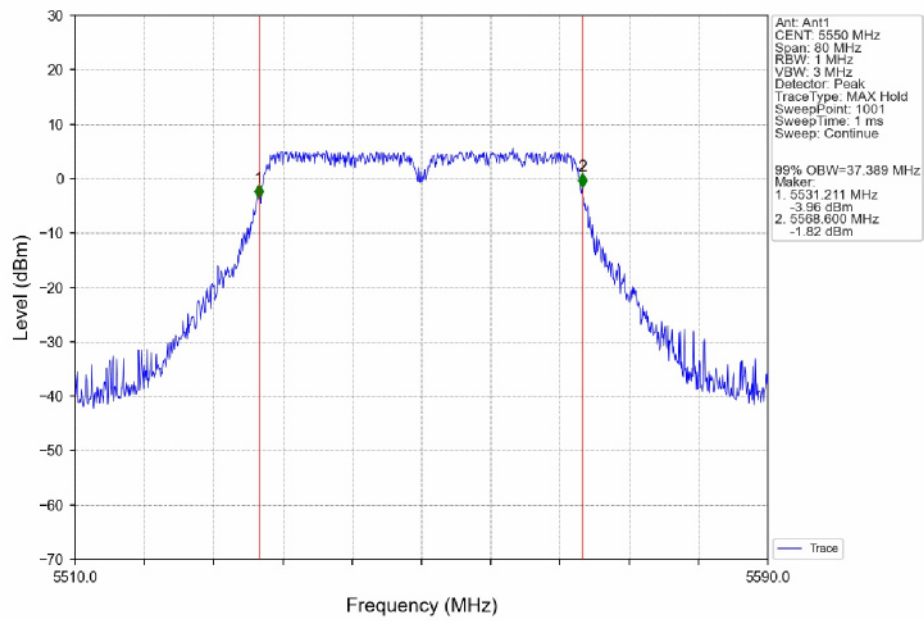
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



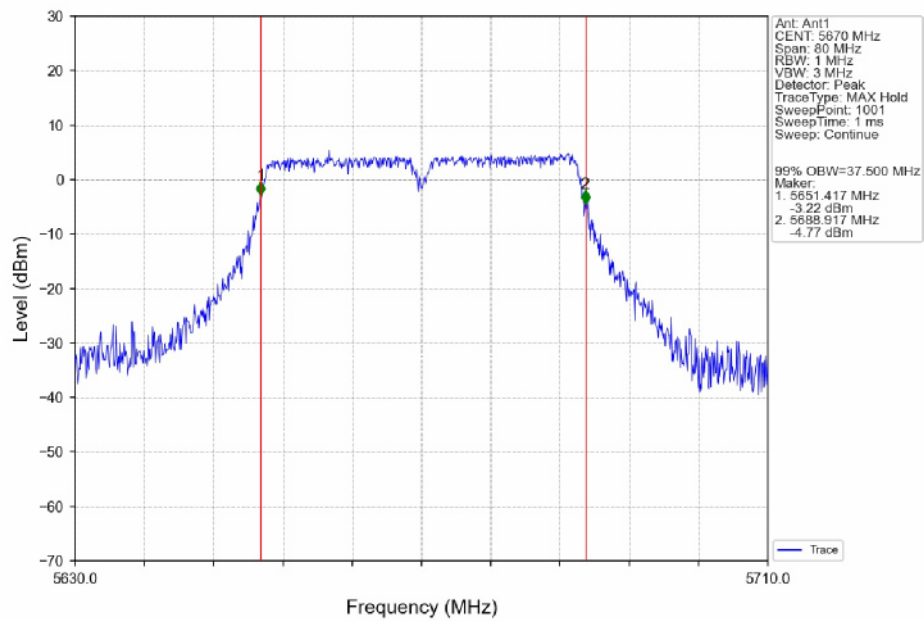
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



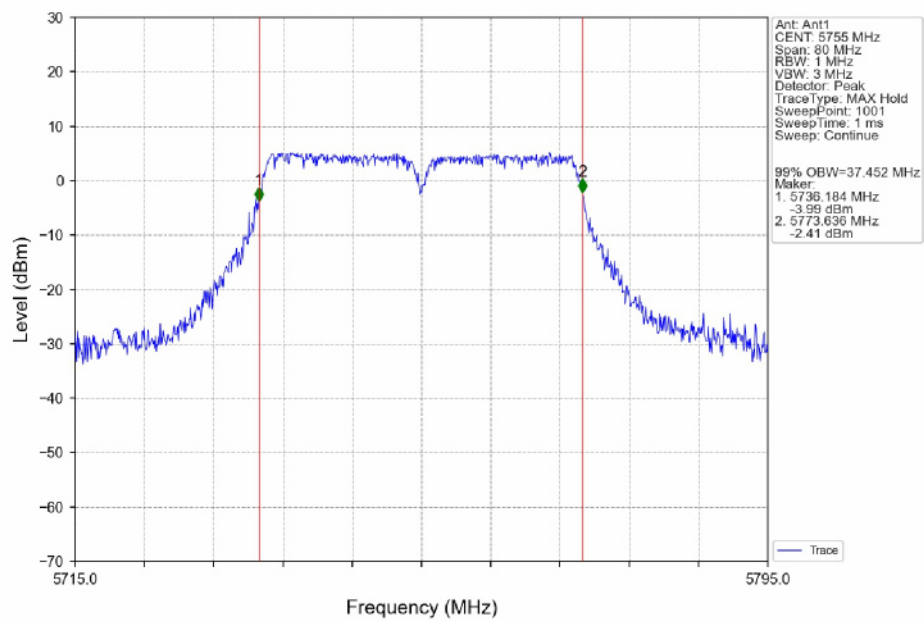
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



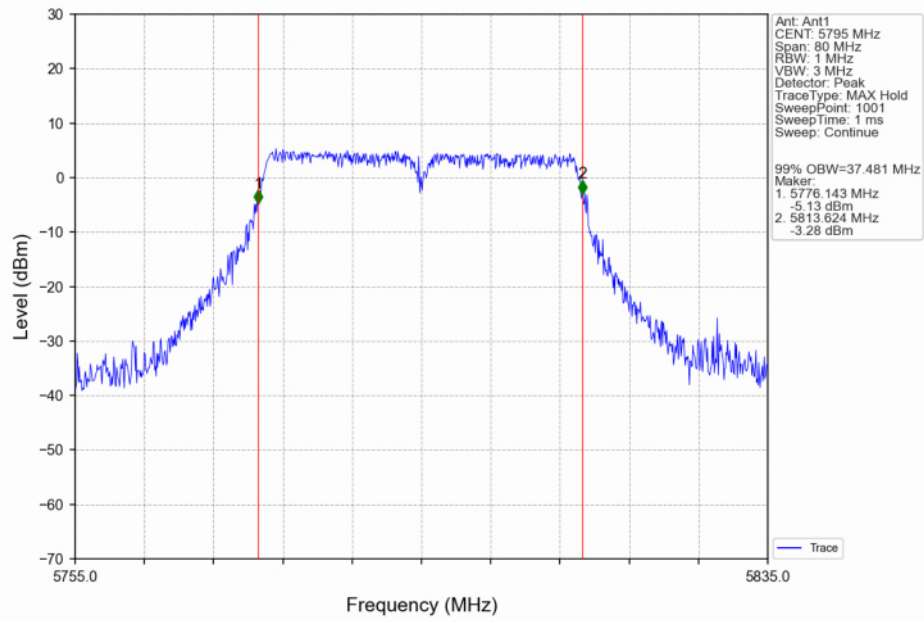
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



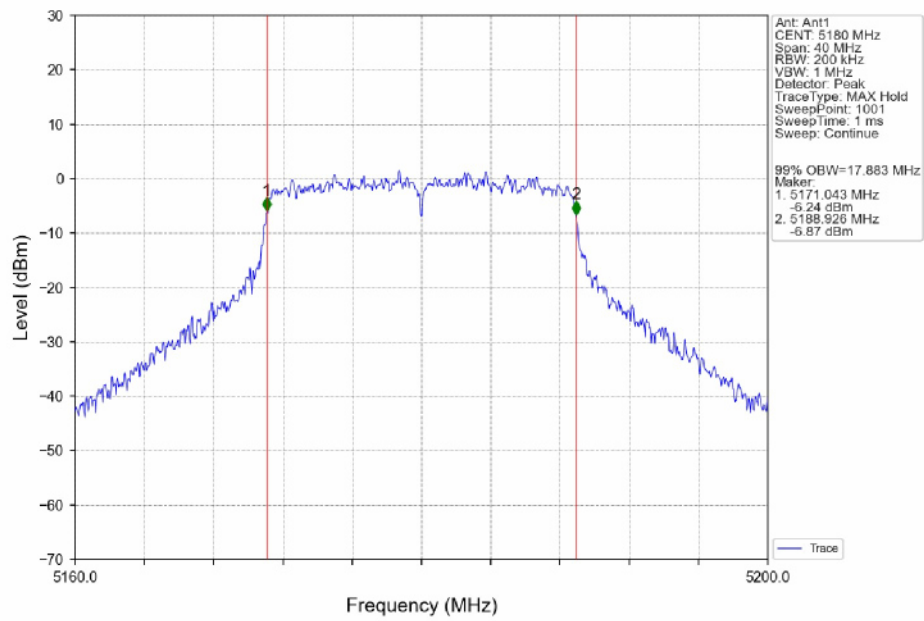
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



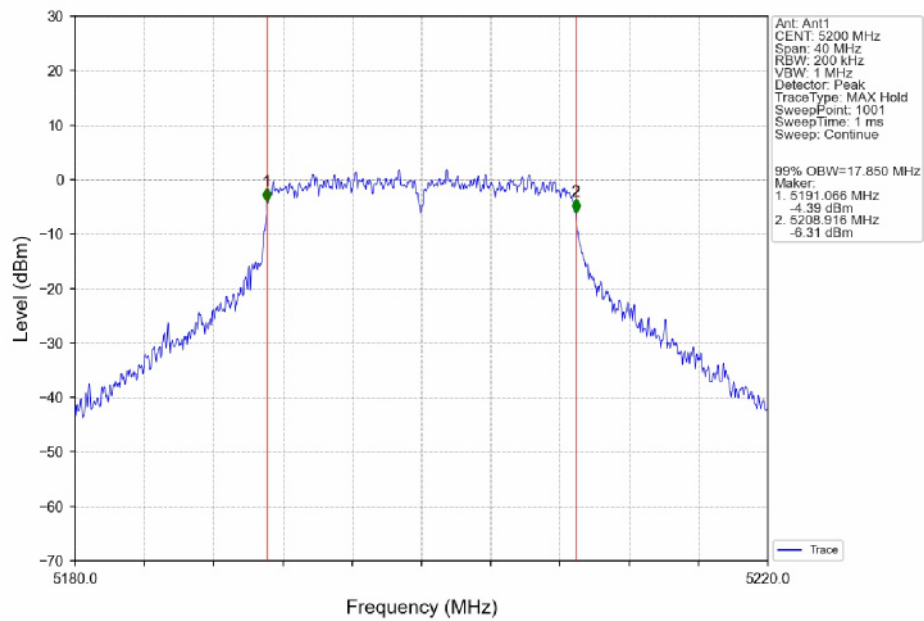
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



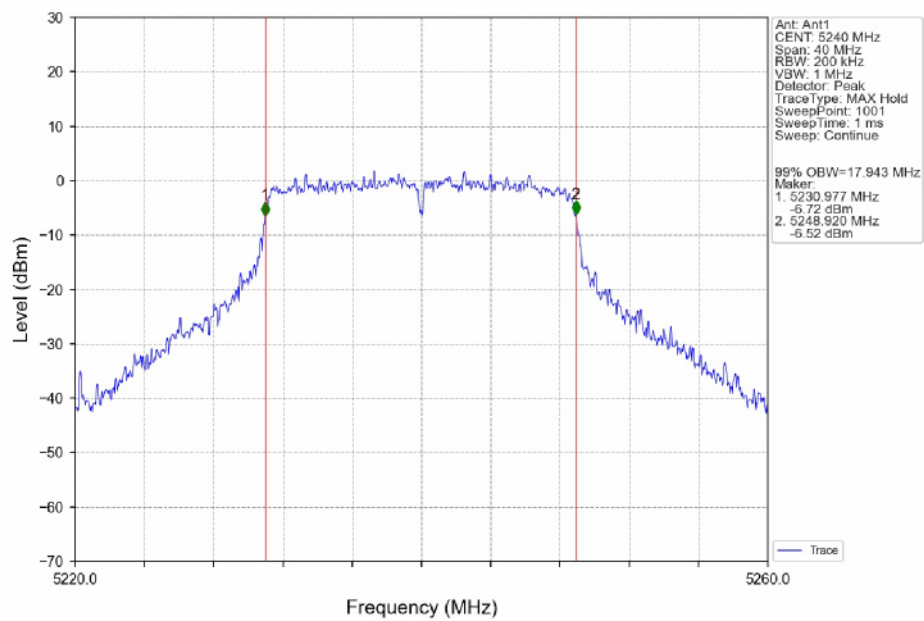
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



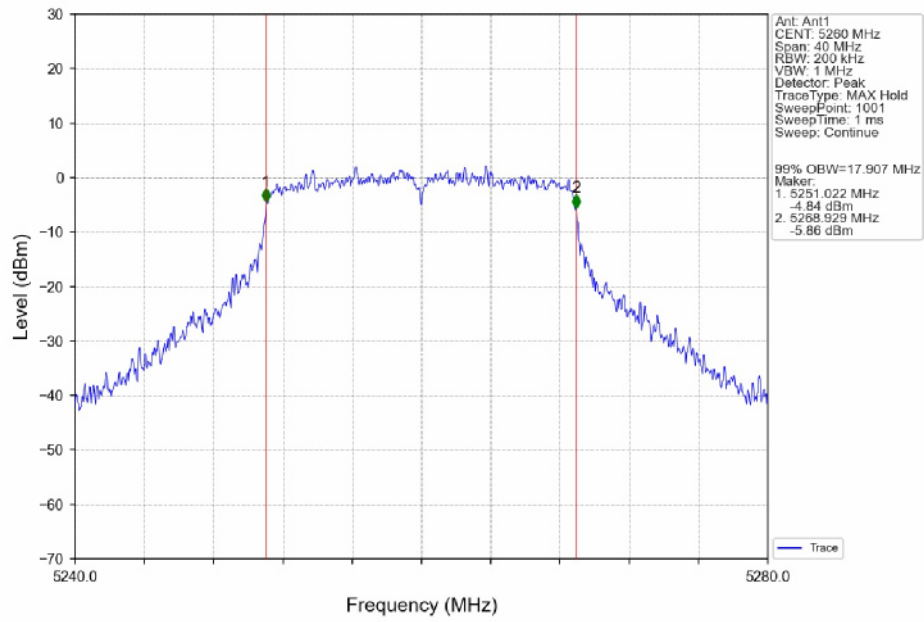
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



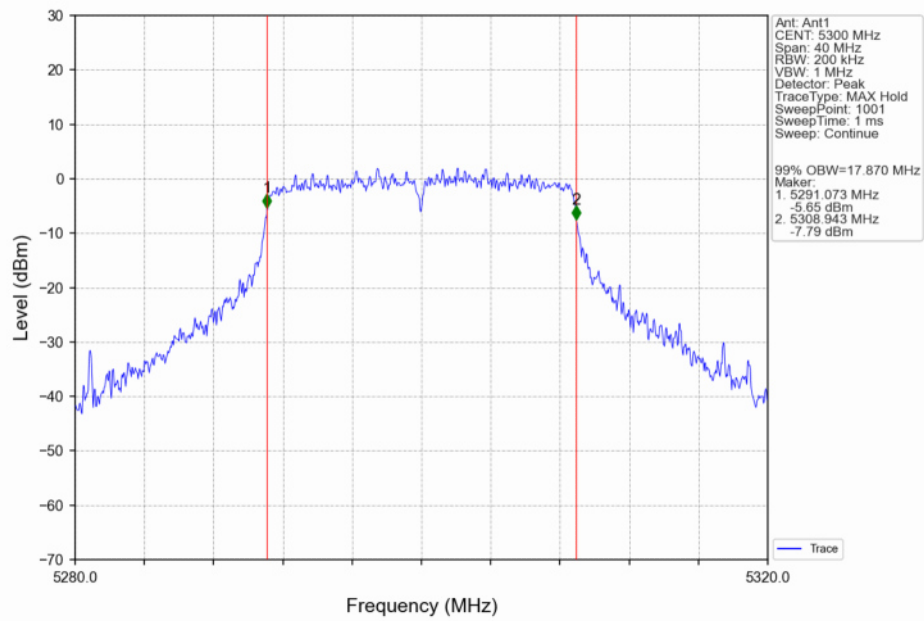
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



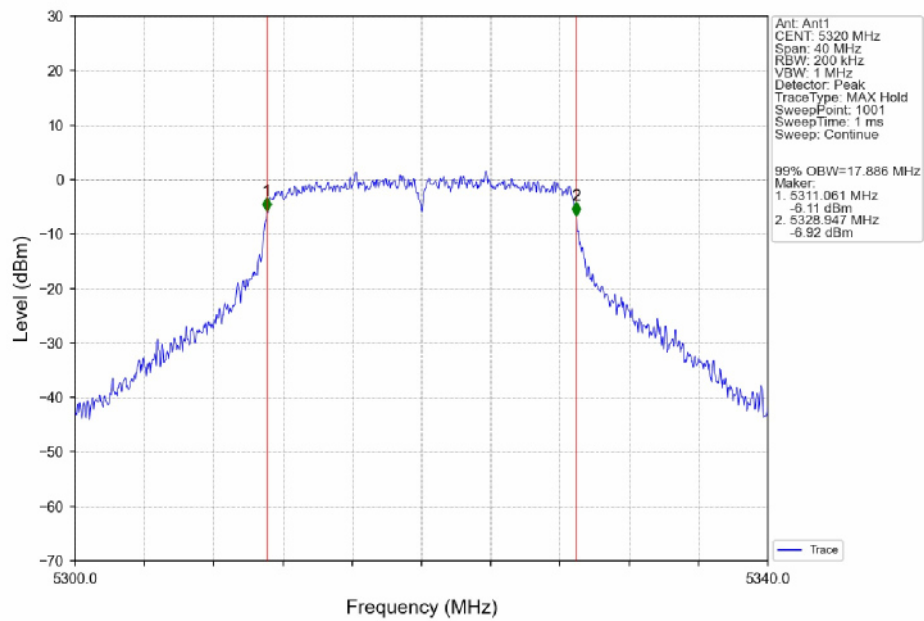
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



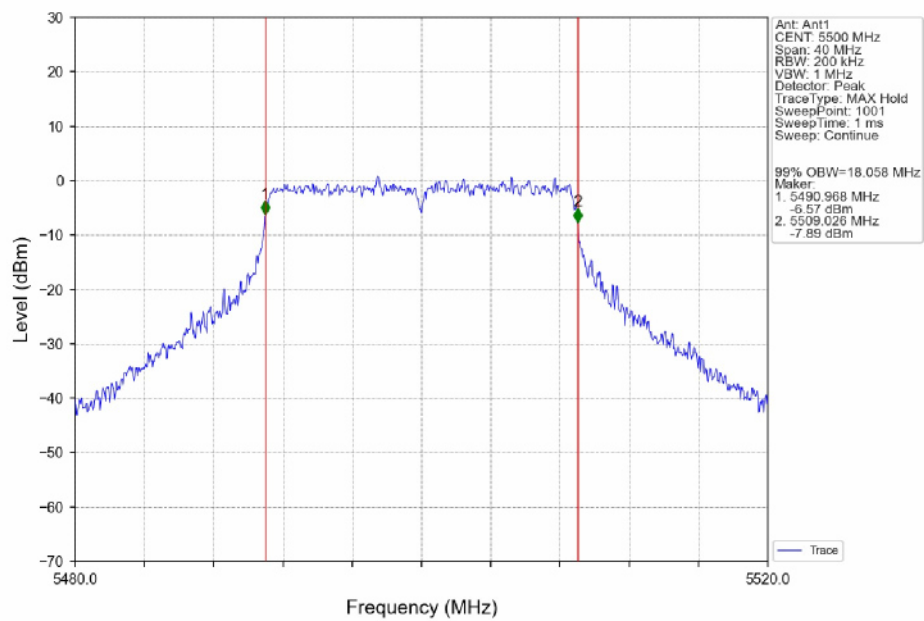
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



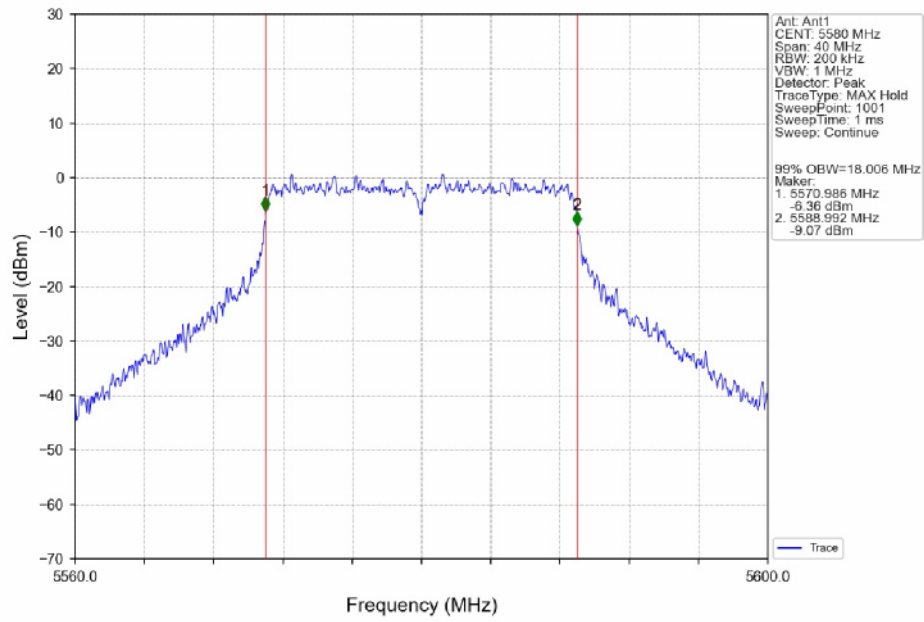
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



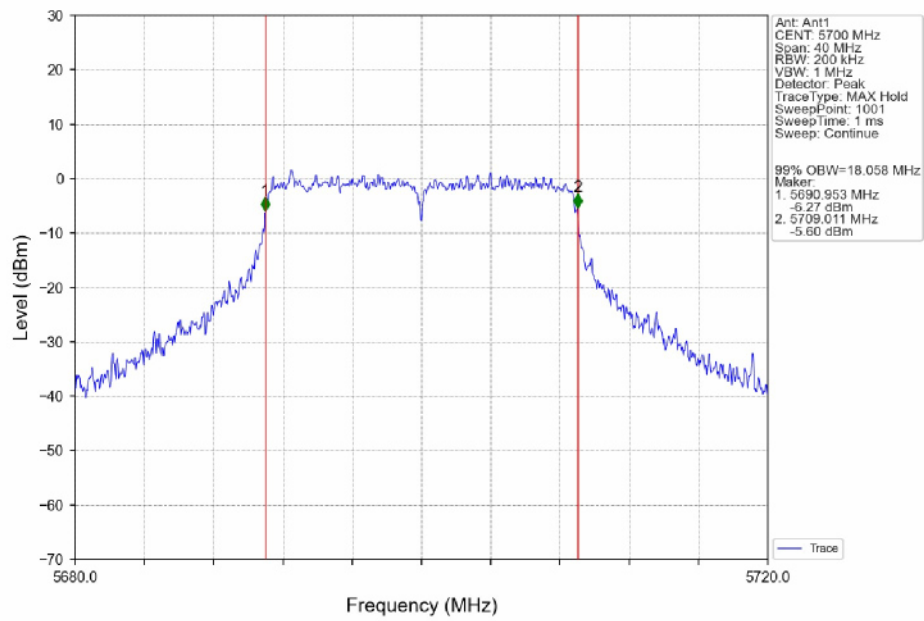
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



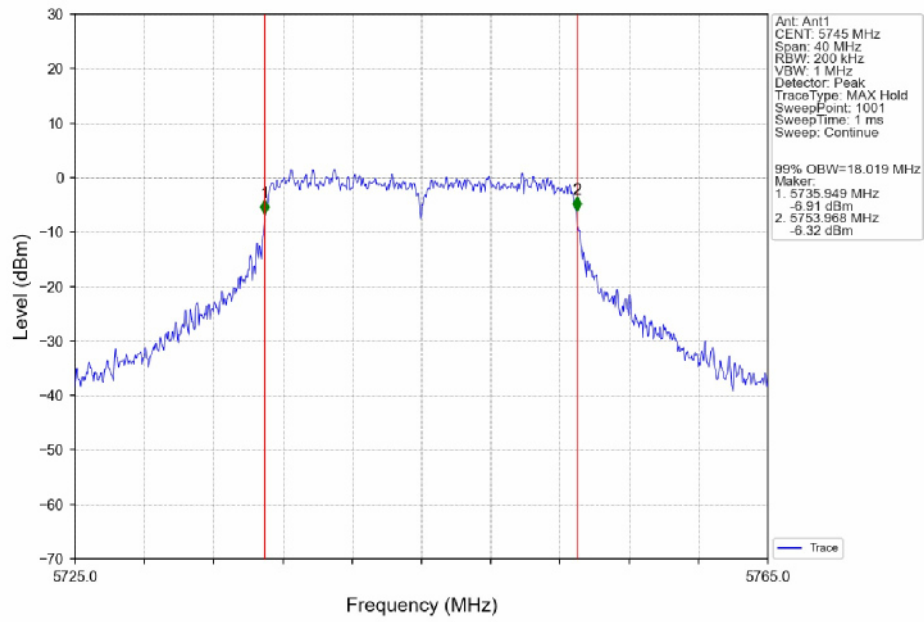
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



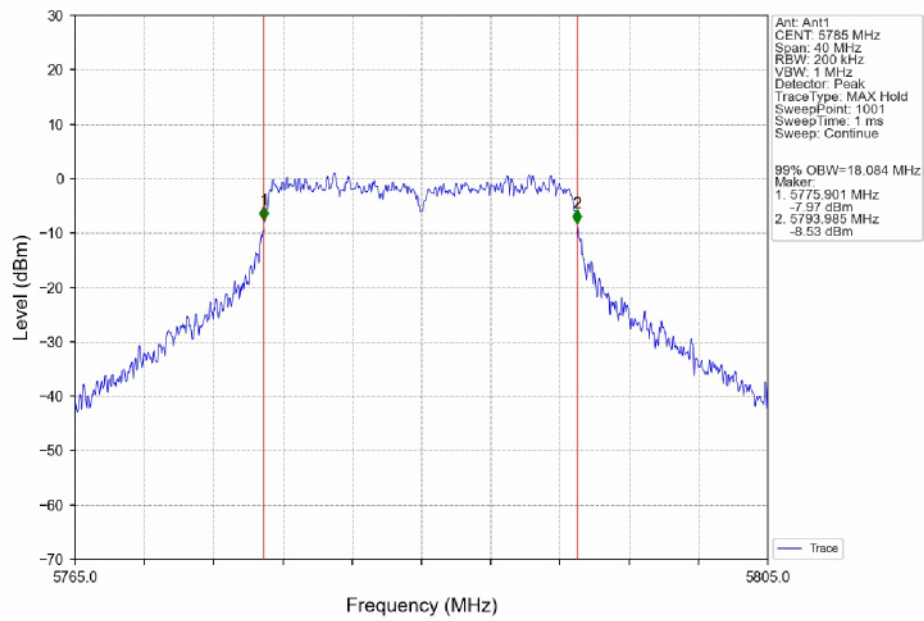
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



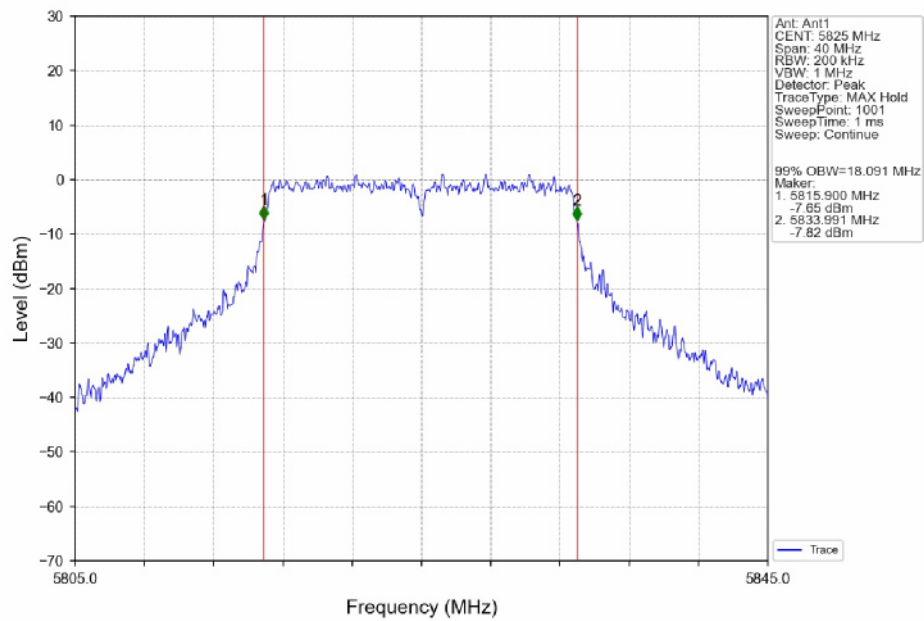
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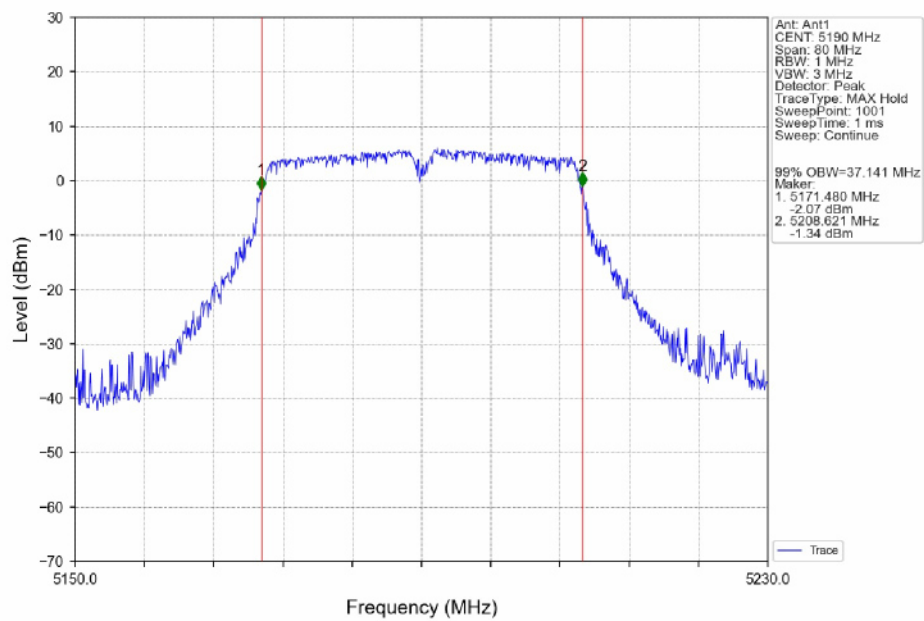
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



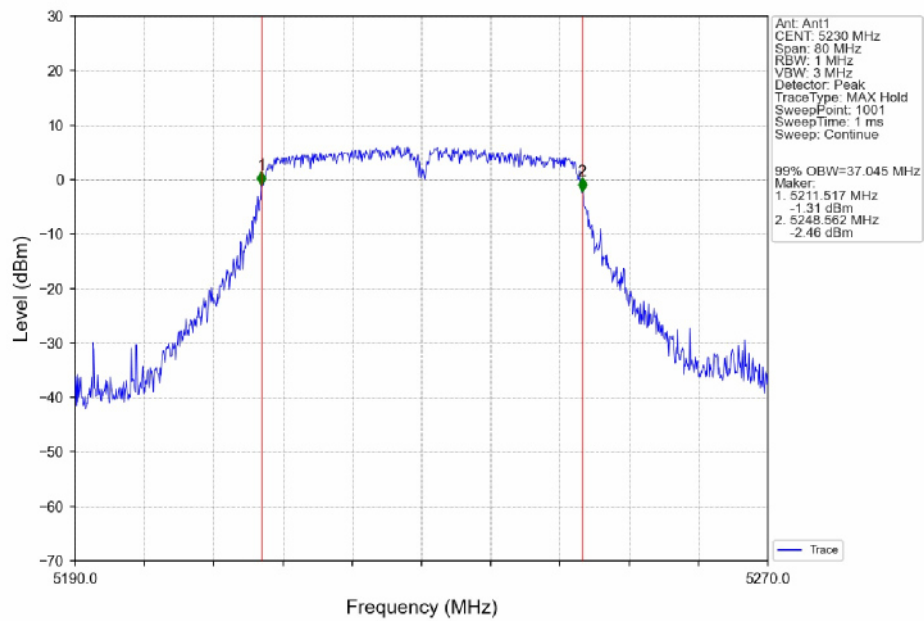
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



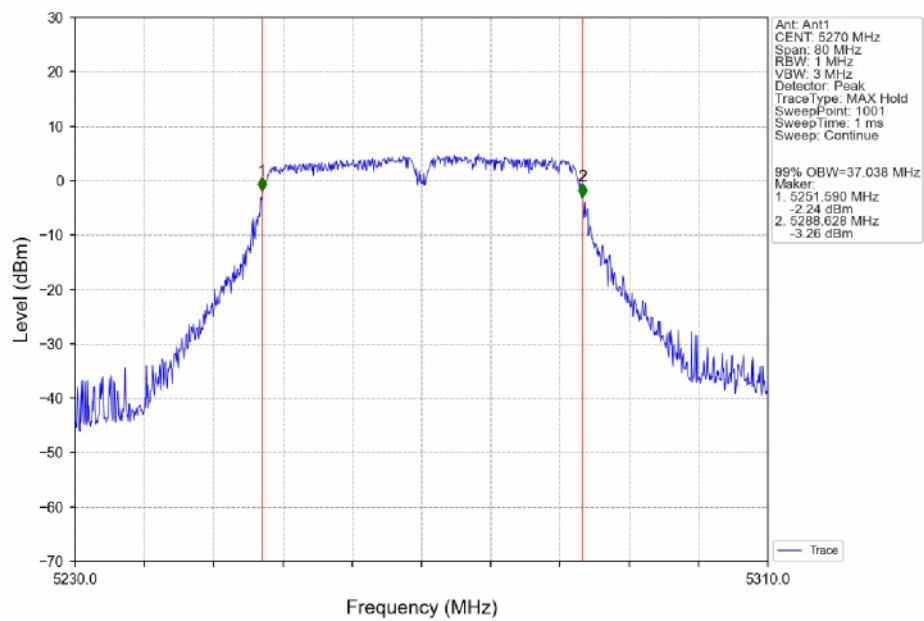
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



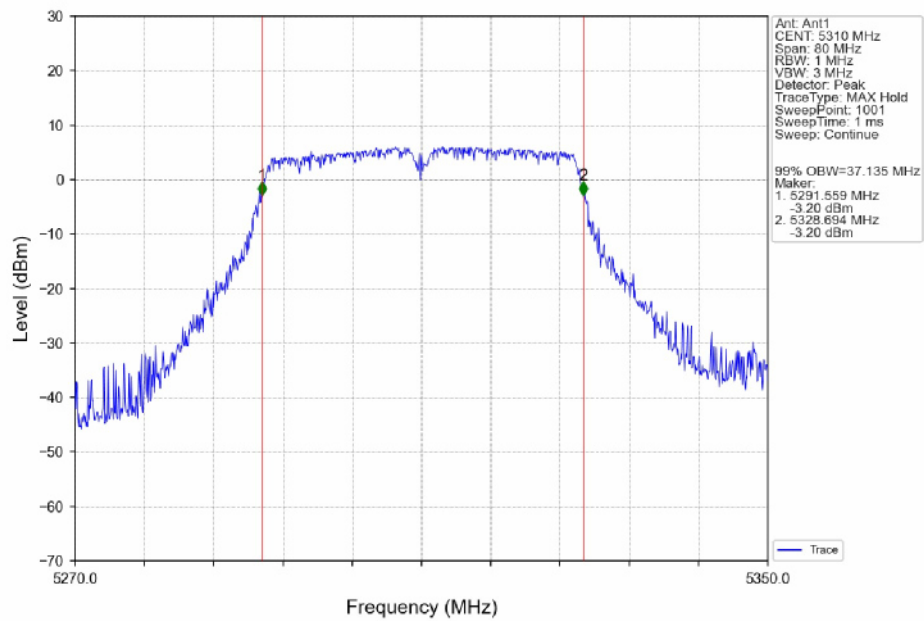
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

