

Appendix B for SHEM210600565402

1. Duty Cycle

1.1 Ant1

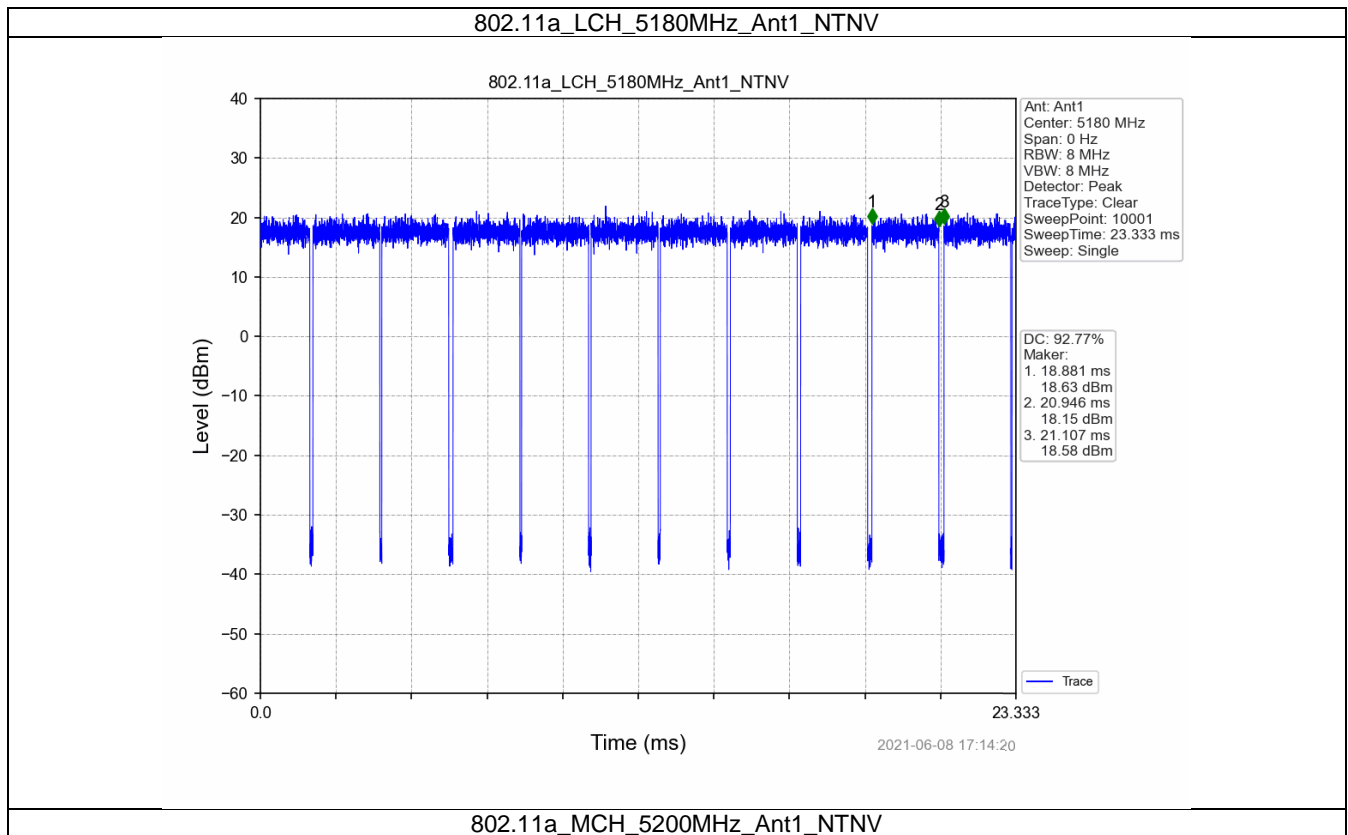
1.1.1 Test Result

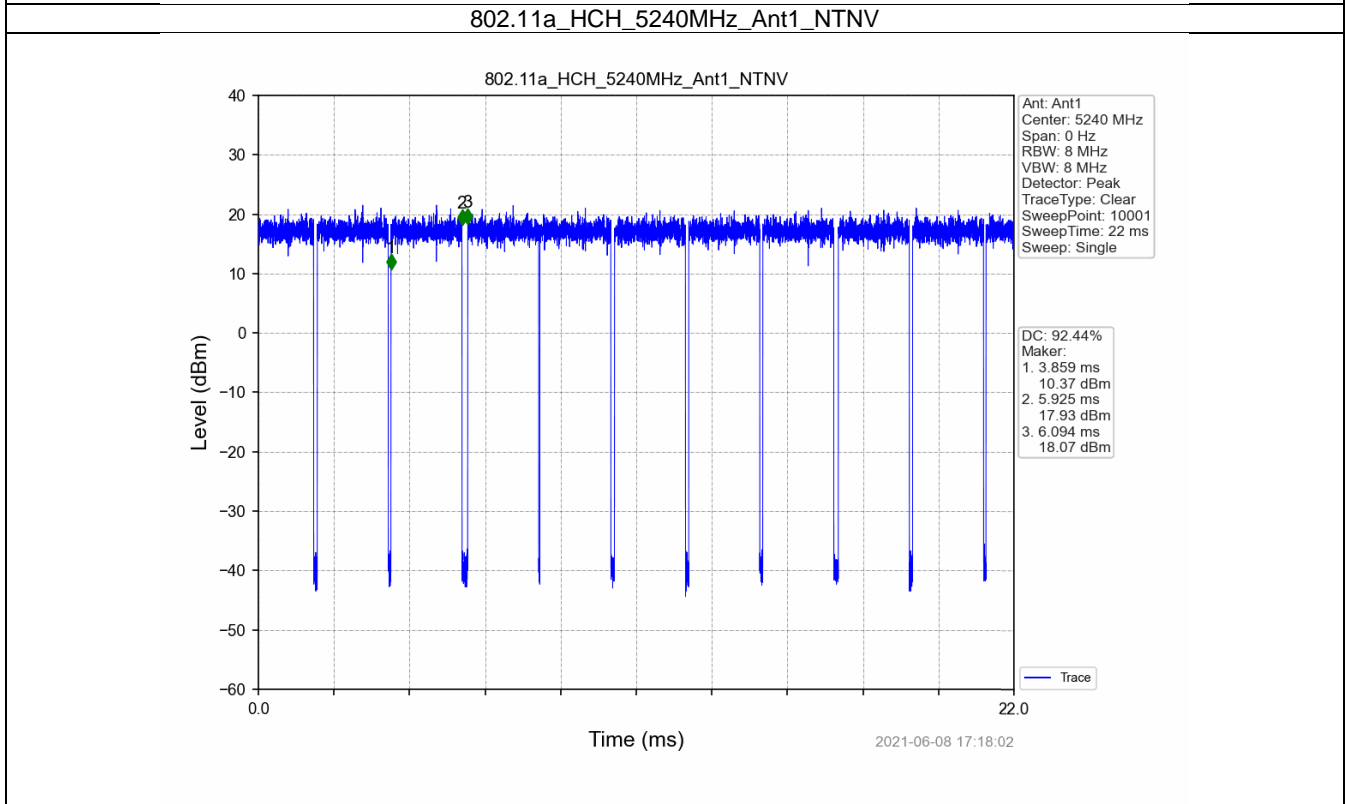
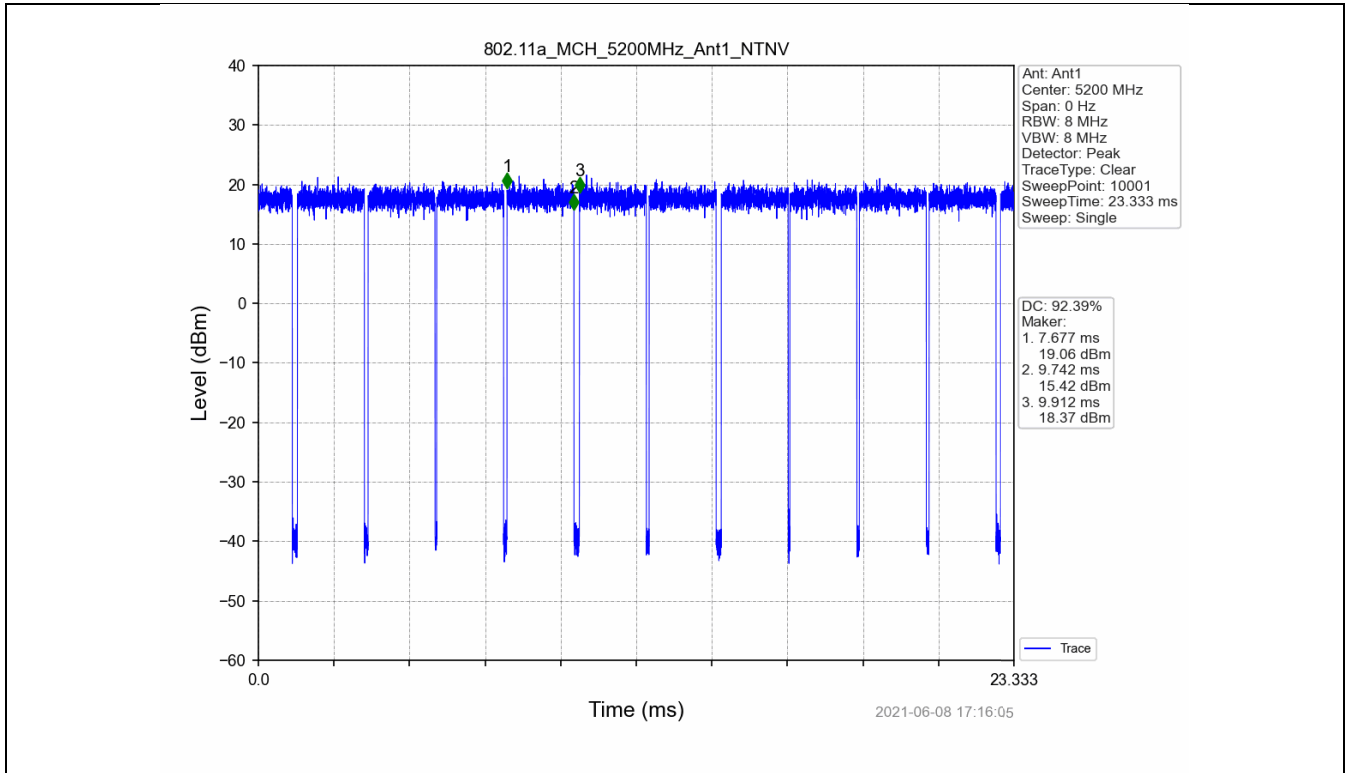
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.06	2.23	92.77	0.33	5.14
		5200	/	/	2.06	2.23	92.39	0.34	5.09
		5240	/	/	2.07	2.23	92.44	0.34	5.91
		5260	/	/	2.06	2.23	92.30	0.35	6.03
		5300	/	/	2.06	2.23	92.77	0.33	3.85
		5320	/	/	2.06	2.23	92.68	0.33	4.32
		5500	/	/	2.06	2.23	92.39	0.34	5.58
		5580	/	/	2.06	2.22	93.05	0.31	4.85
		5700	/	/	2.06	2.24	92.26	0.35	6.06
		5745	/	/	2.06	2.23	92.35	0.35	5.90
5785	/	/	2.06	2.22	93.06	0.31	5.22		
5825	/	/	2.06	2.23	92.68	0.33	5.64		
802.11n (HT20)	MIMO	5180	/	/	1.92	2.05	93.38	0.30	3.53
		5200	/	/	1.92	2.09	91.77	0.37	3.66
		5240	/	/	1.92	2.09	91.87	0.37	6.30
		5260	/	/	1.92	2.09	91.82	0.37	6.32
		5300	/	/	1.92	2.07	92.57	0.34	5.02
		5320	/	/	1.92	2.05	93.75	0.28	3.97
		5500	/	/	1.92	2.09	91.82	0.37	6.32
		5580	/	/	1.92	2.06	93.43	0.30	4.27
		5700	/	/	1.92	2.05	93.79	0.28	4.00
		5745	/	/	1.92	2.08	92.17	0.35	4.98
5785	/	/	1.92	2.07	92.57	0.34	5.56		
5825	/	/	1.92	2.08	92.22	0.35	4.15		
802.11n (HT40)	MIMO	5190	/	/	0.94	1.12	84.66	0.72	11.66
		5230	/	/	0.94	1.09	86.76	0.62	8.66
		5270	/	/	0.94	1.12	84.59	0.73	10.89
		5310	/	/	0.94	1.06	88.97	0.51	7.31
		5510	/	/	0.94	1.12	84.66	0.72	9.91
		5550	/	/	0.94	1.11	84.65	0.72	11.68
		5670	/	/	0.94	1.12	84.66	0.72	7.50
		5755	/	/	0.94	1.11	85.35	0.69	10.08
5795	/	/	0.94	1.12	84.59	0.73	11.77		
802.11ac (VHT20)	MIMO	5180	/	/	1.93	2.10	91.78	0.37	5.96
		5200	/	/	1.93	2.10	91.78	0.37	6.38
		5240	/	/	1.93	2.10	91.83	0.37	6.38
		5260	/	/	1.93	2.08	92.61	0.33	5.60
		5300	/	/	1.93	2.07	93.52	0.29	3.30
		5320	/	/	1.93	2.09	92.26	0.35	5.91
		5500	/	/	1.93	2.09	92.26	0.35	5.38
		5580	/	/	1.93	2.10	91.82	0.37	5.94
5700	/	/	1.93	2.09	92.26	0.35	4.96		

		5745	/	/	1.93	2.09	92.30	0.35	4.91
		5785	/	/	1.93	2.10	92.22	0.35	5.99
		5825	/	/	1.93	2.10	91.83	0.37	6.27
802.11ac (VHT40)	MIMO	5190	/	/	0.95	1.08	88.23	0.54	8.10
		5230	/	/	0.95	1.10	86.86	0.61	9.47
		5270	/	/	0.95	1.12	84.76	0.72	9.97
		5310	/	/	0.95	1.12	84.77	0.72	7.45
		5510	/	/	0.95	1.12	84.77	0.72	11.58
		5550	/	/	0.95	1.12	84.77	0.72	9.00
		5670	/	/	0.95	1.12	84.77	0.72	11.69
		5755	/	/	0.95	1.10	86.15	0.65	10.30
		5795	/	/	0.95	1.12	84.61	0.73	10.91
		802.11ac (VHT80)	MIMO	5210	/	/	0.46	0.62	73.95
5290	/			/	0.46	0.63	72.86	1.38	19.89
5530	/			/	0.46	0.61	75.04	1.25	17.71
5610	/			/	0.46	0.63	72.94	1.37	18.21
5775	/			/	0.46	0.63	72.90	1.37	16.72

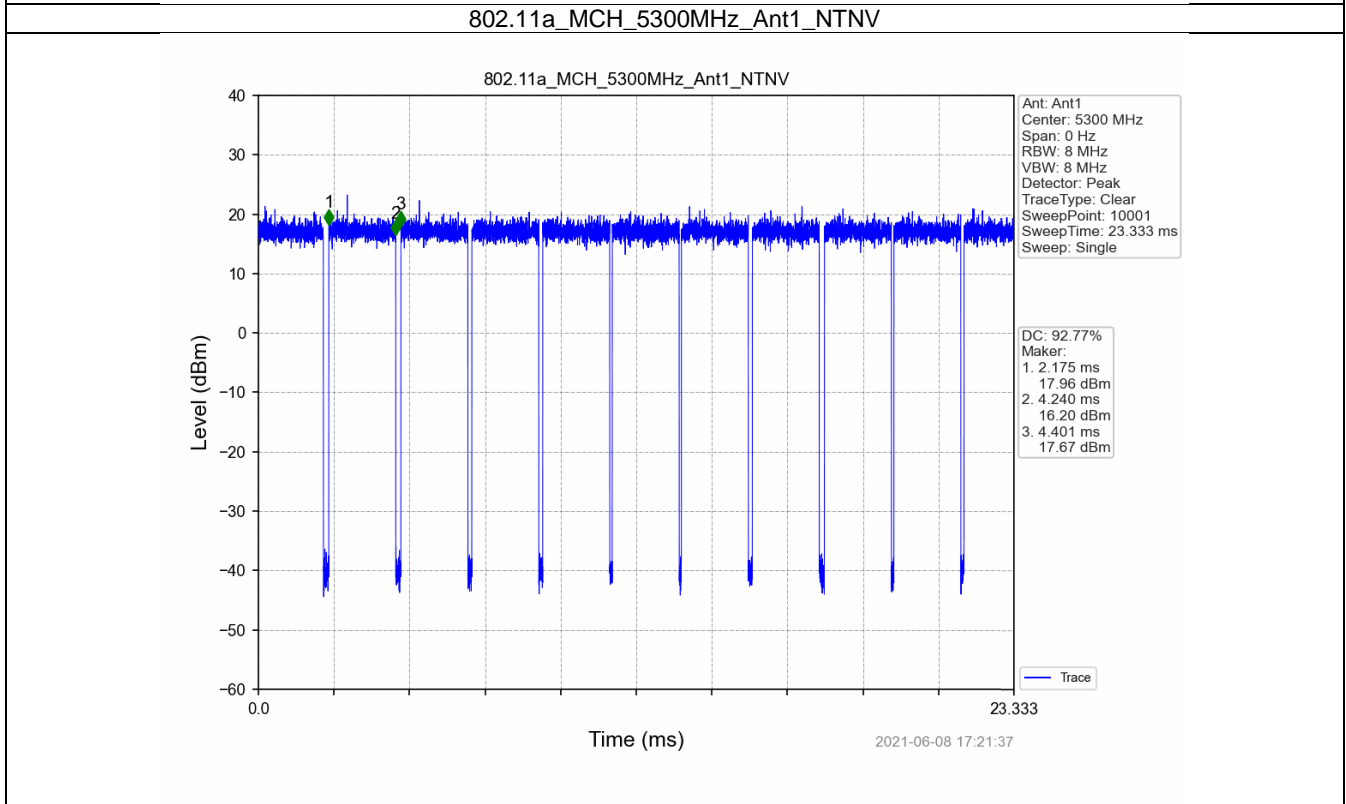
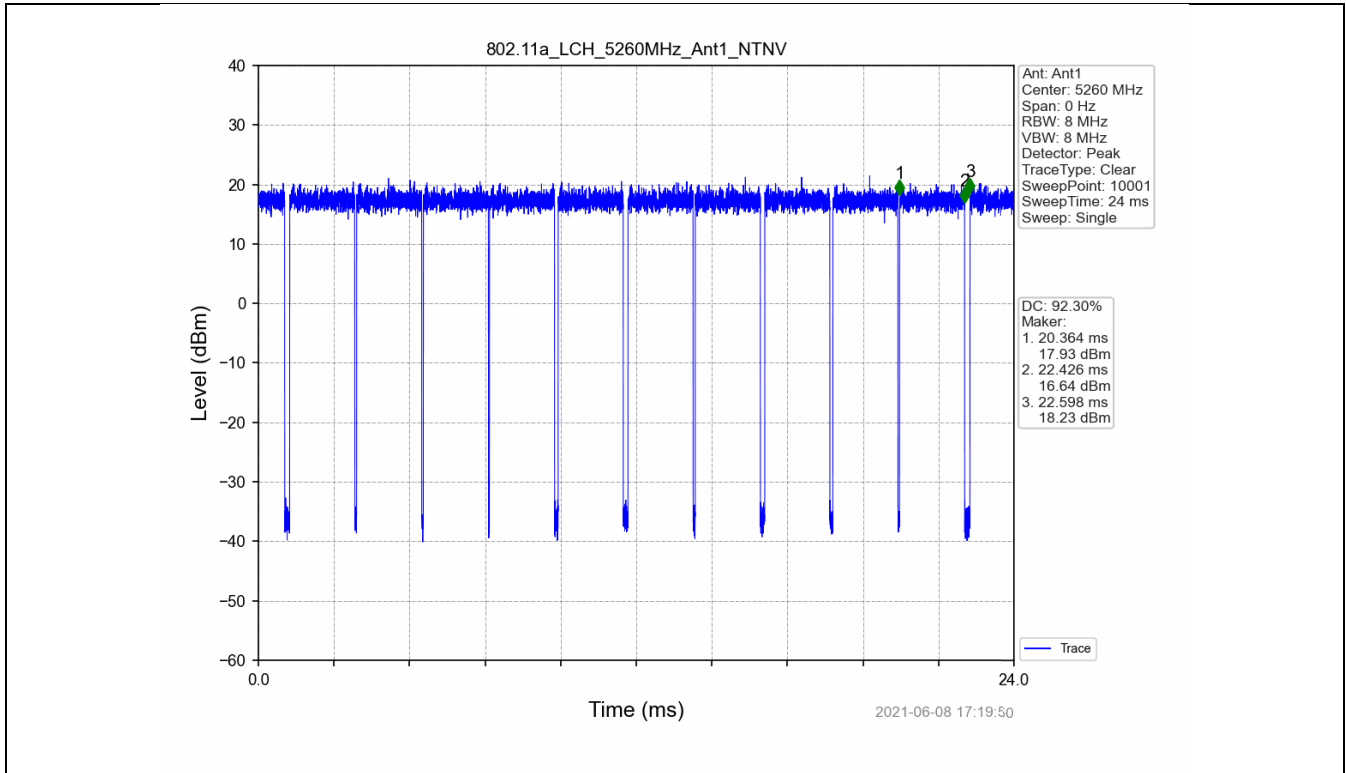
Note1: Only for Report Use

1.1.2 Test Graph

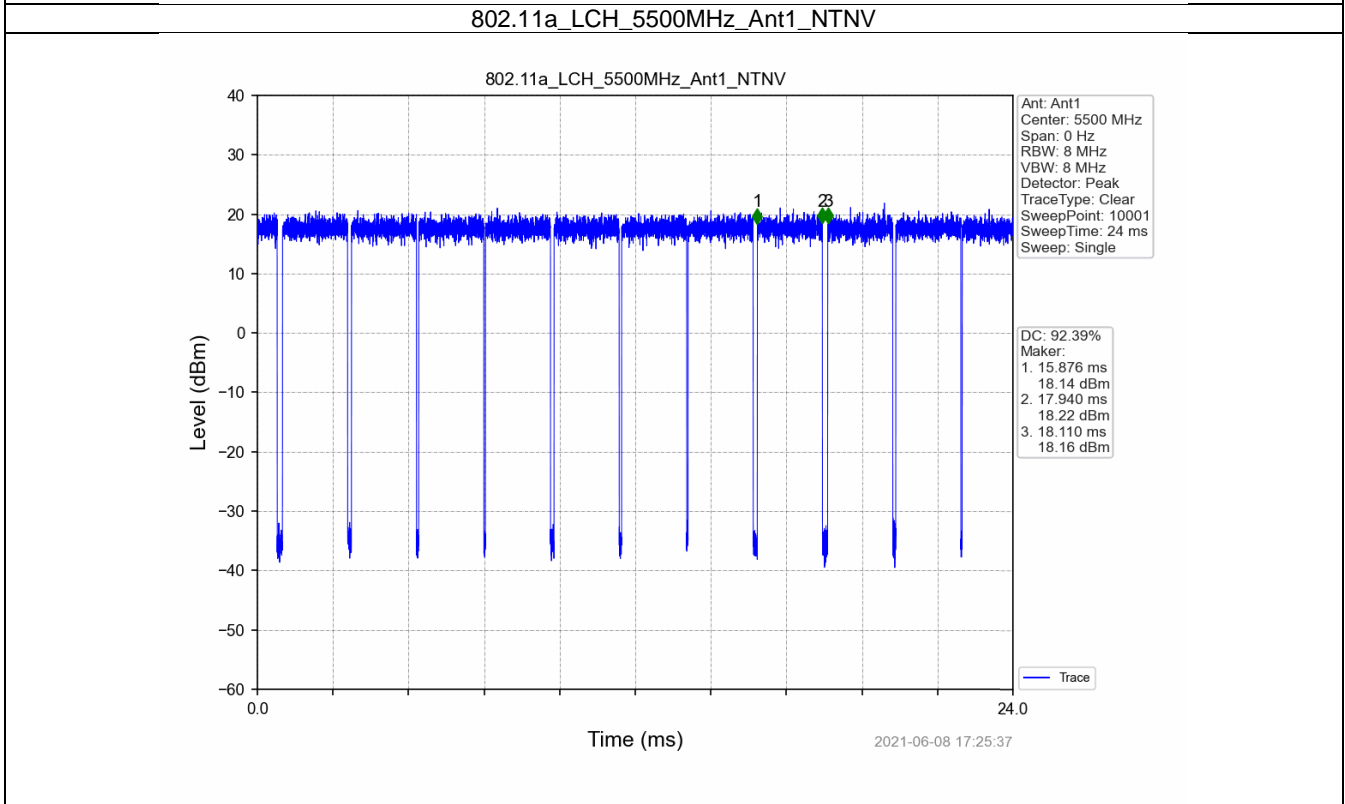
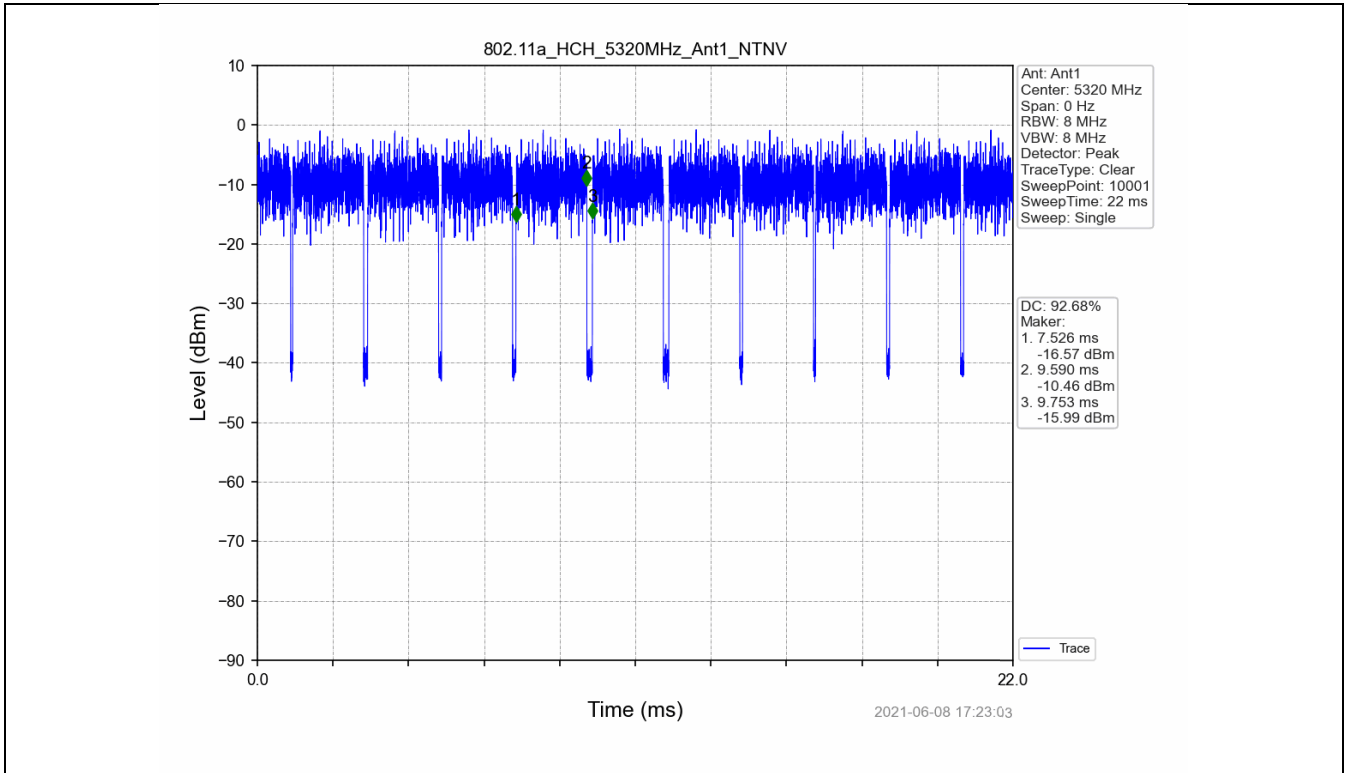




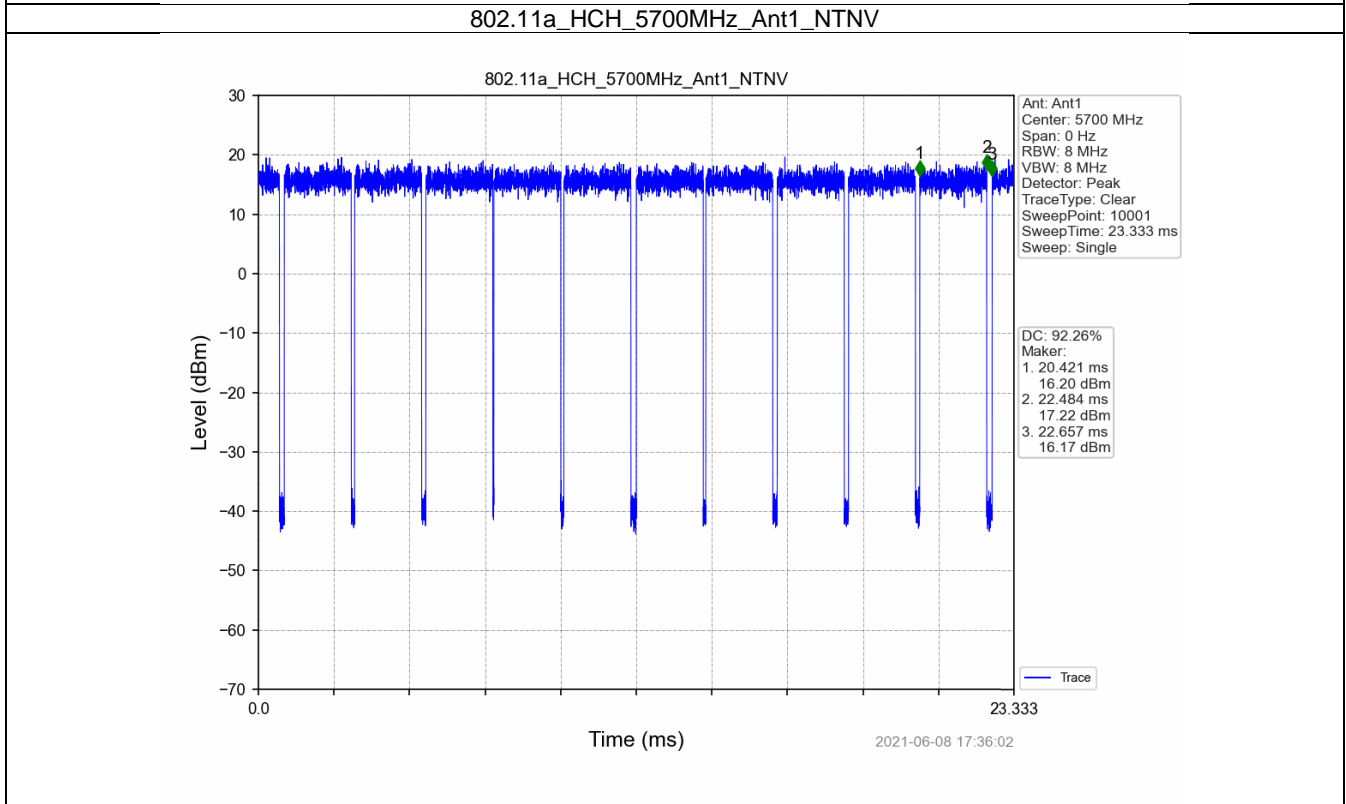
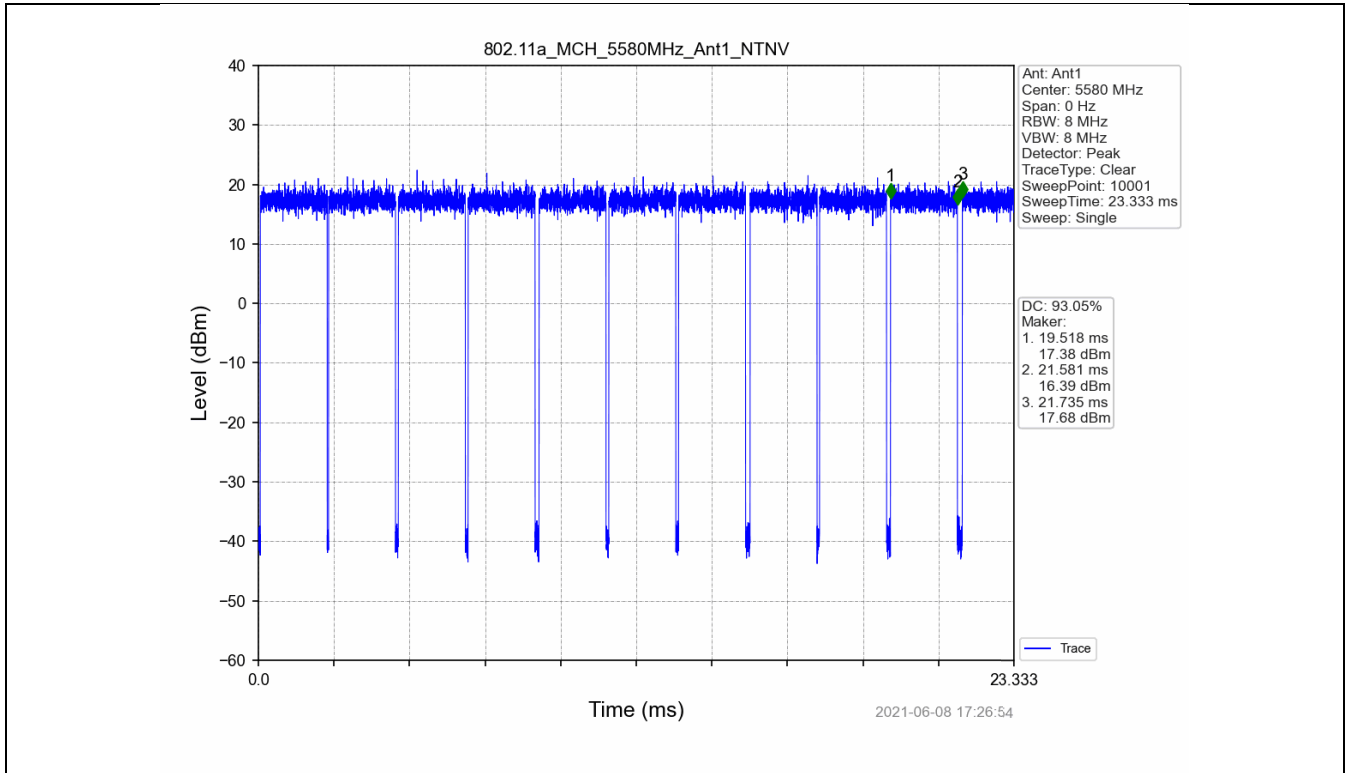
802.11a_LCH_5260MHz_Ant1_NTNV



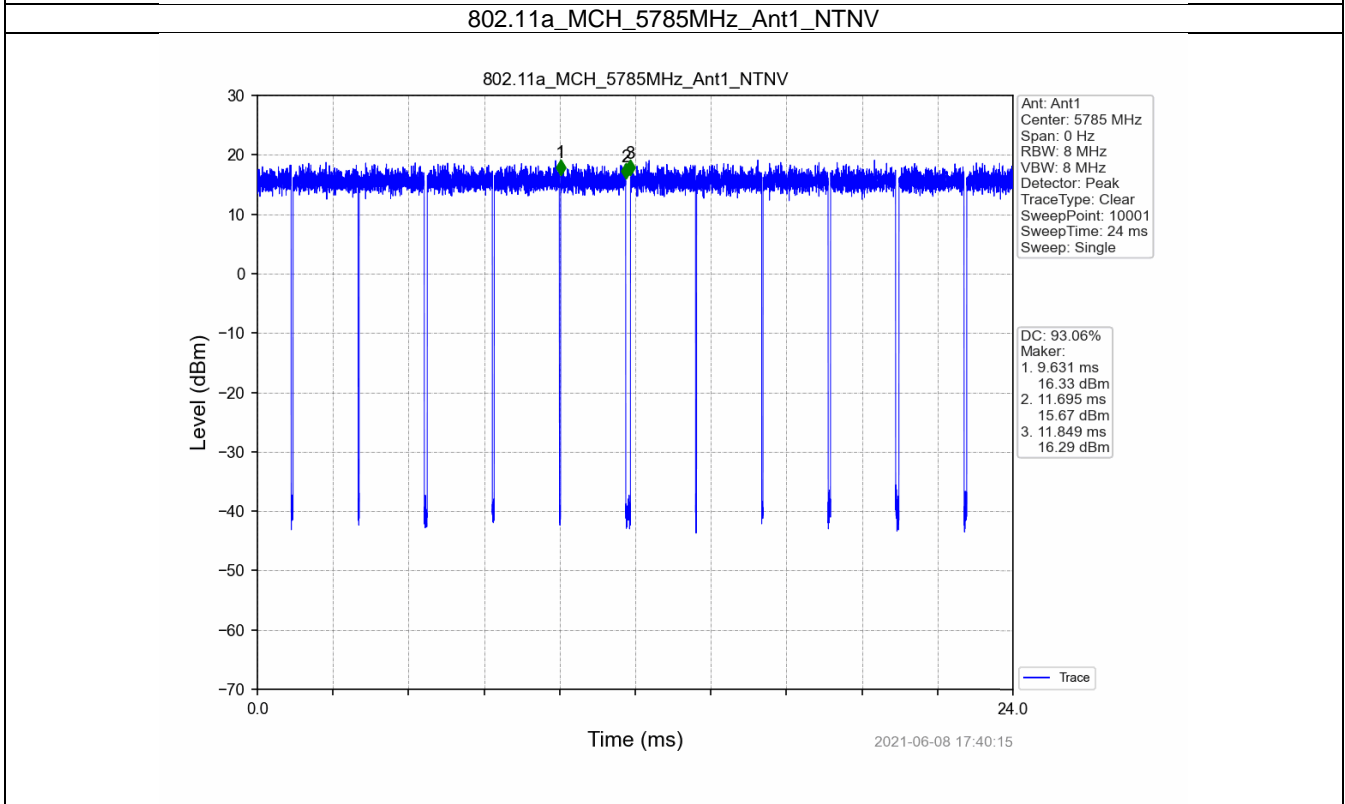
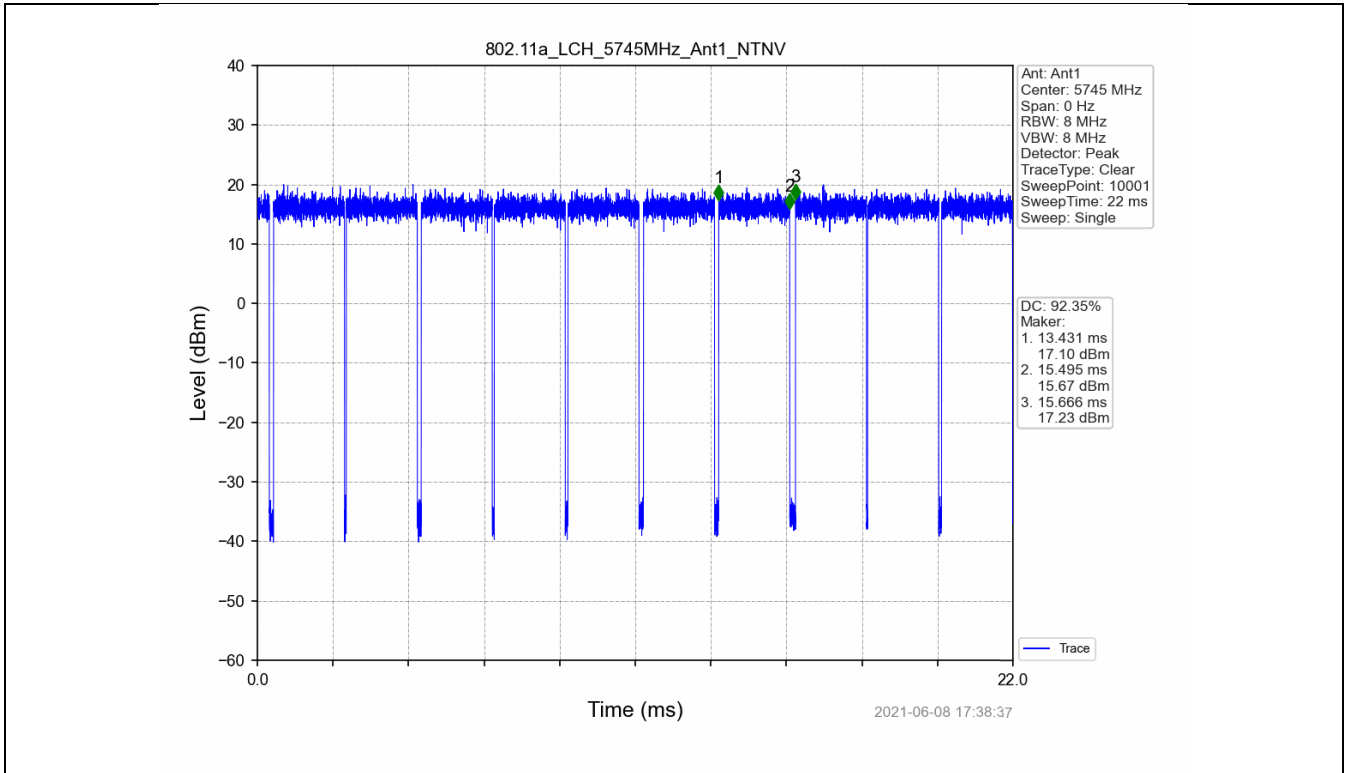
802.11a_HCH_5320MHz_Ant1_NTNV



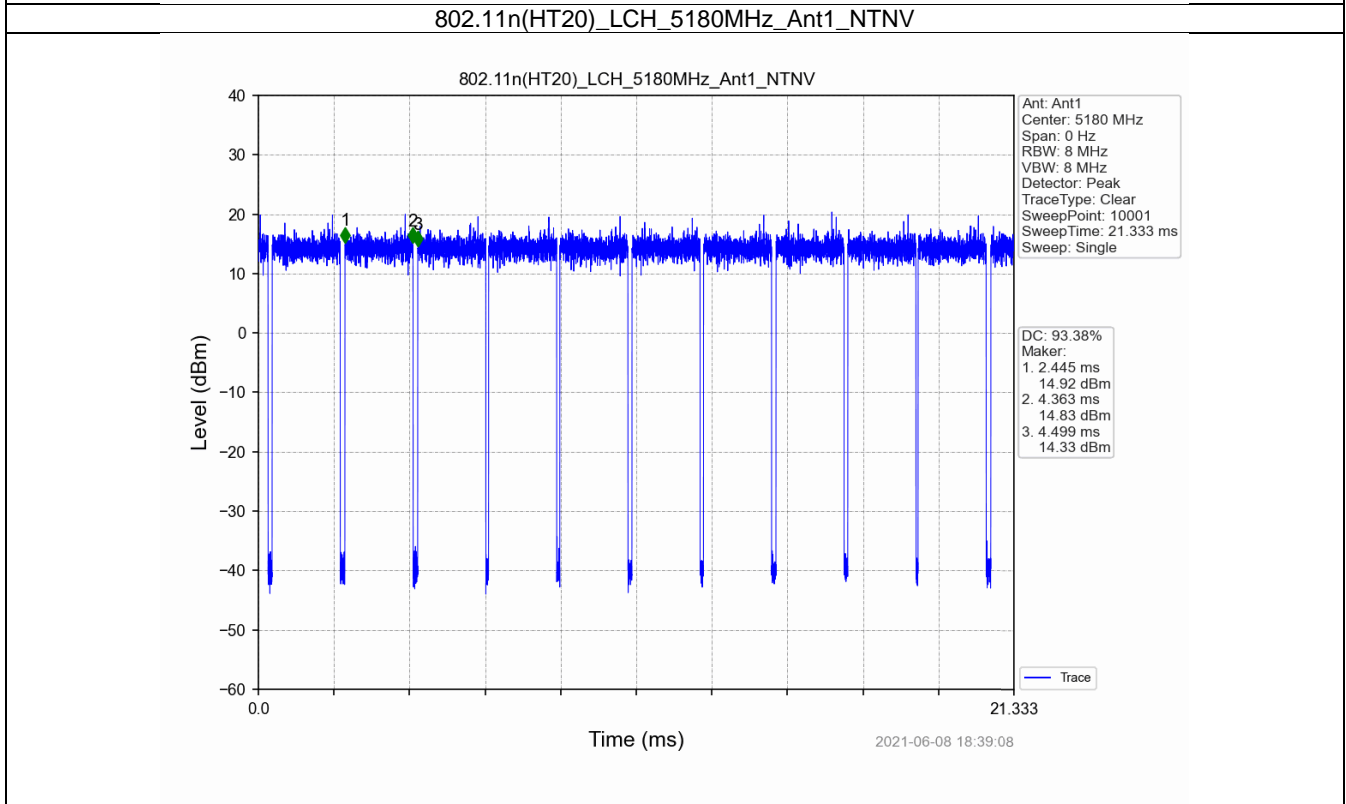
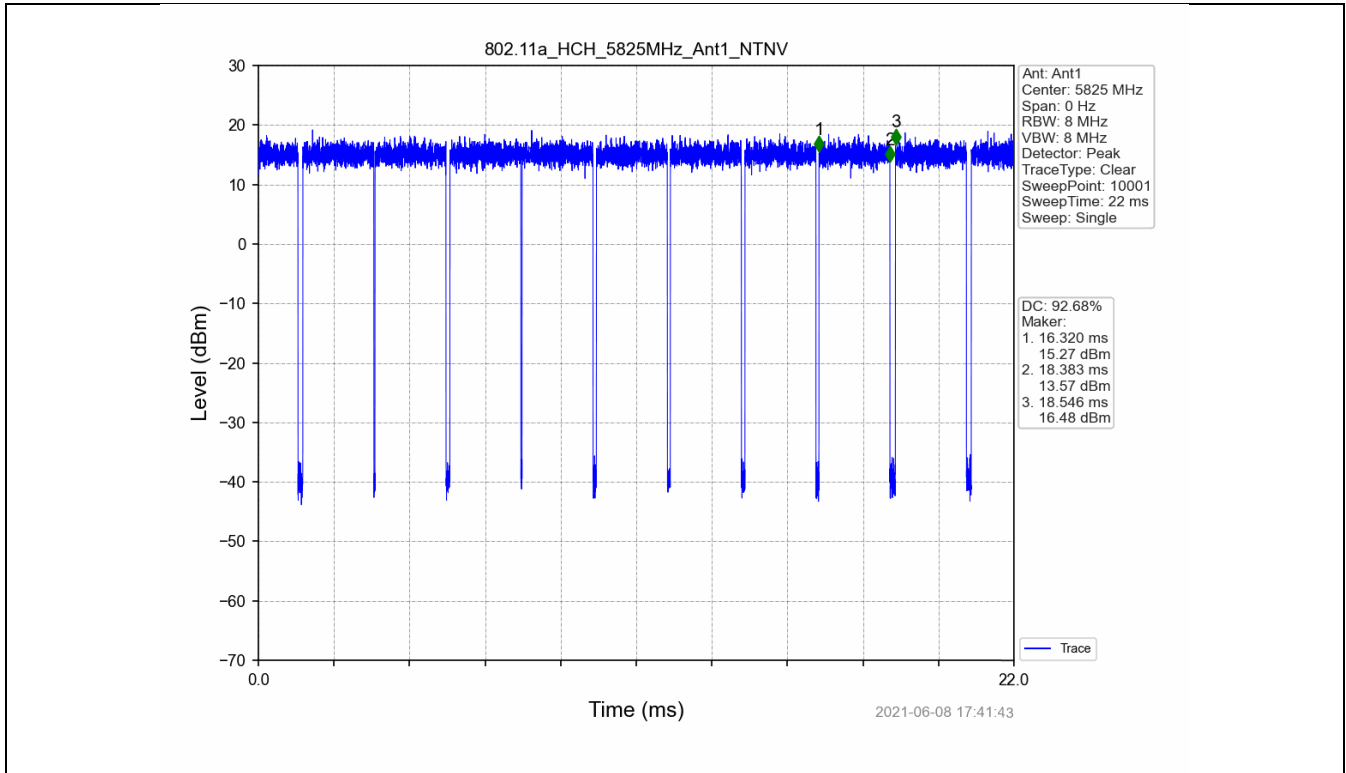
802.11a_MCH_5580MHz_Ant1_NTNV



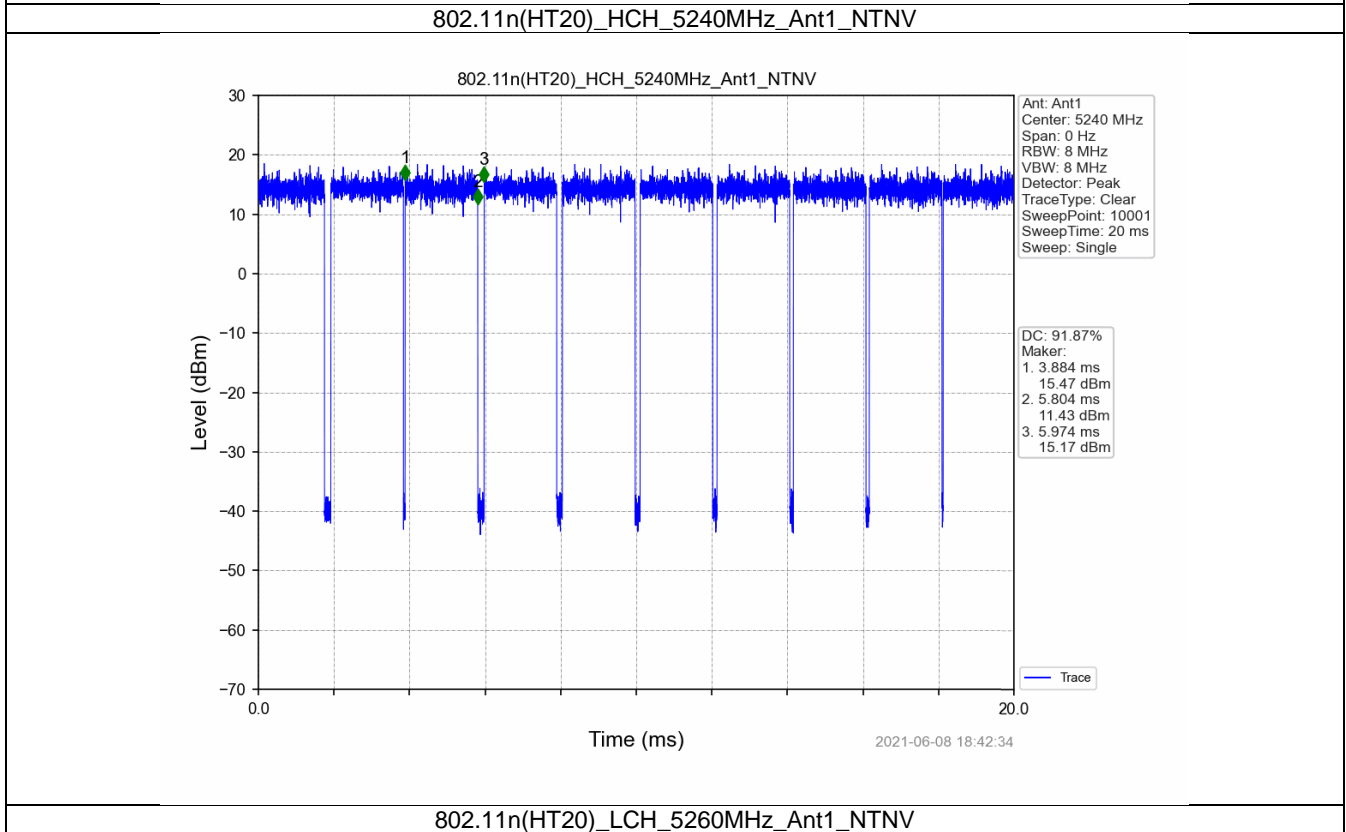
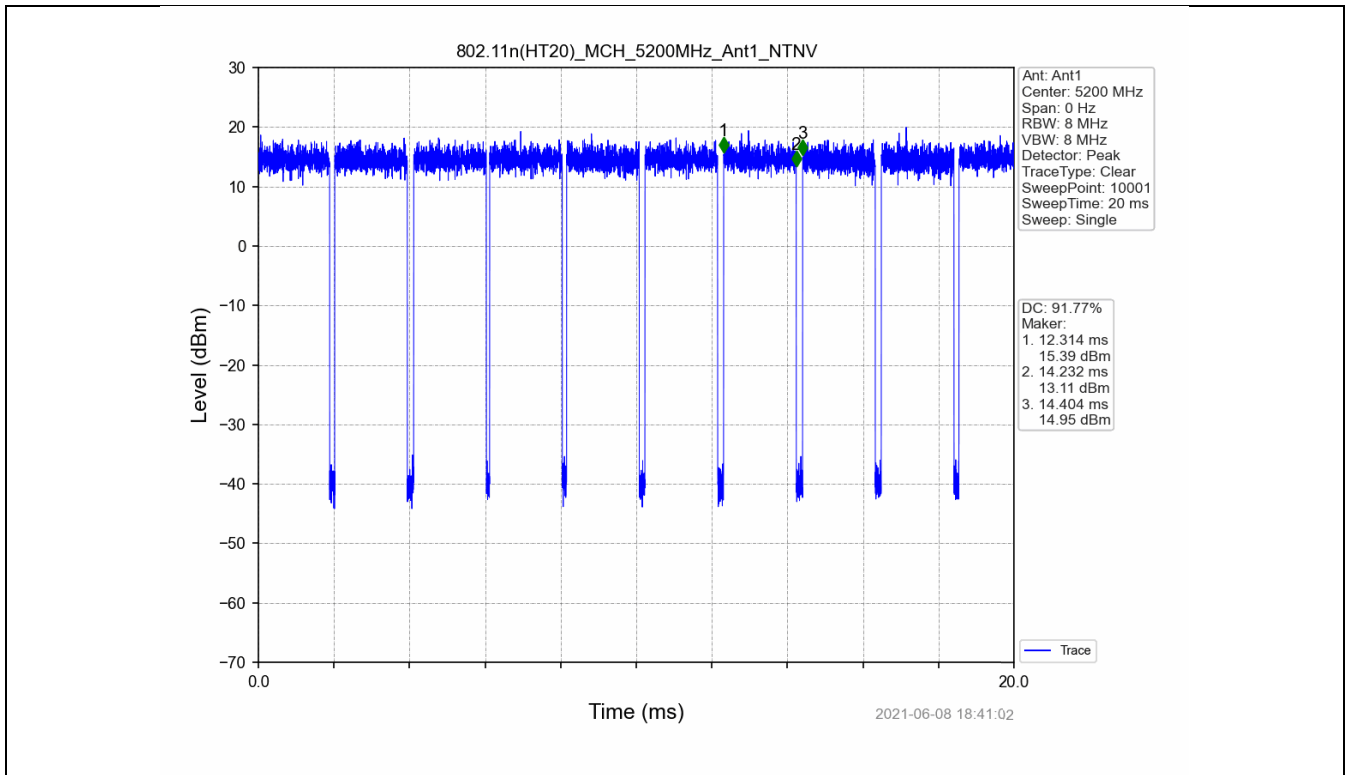
802.11a_LCH_5745MHz_Ant1_NTNV



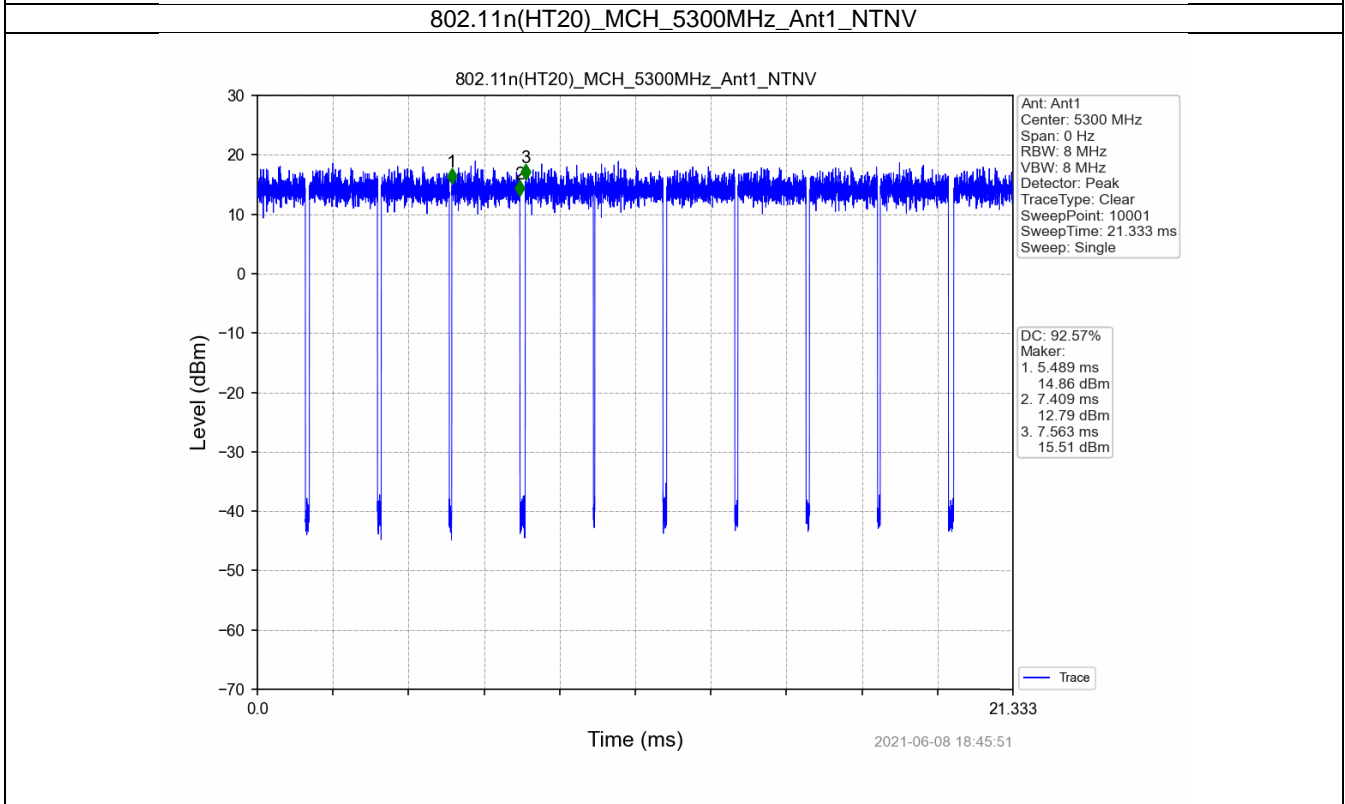
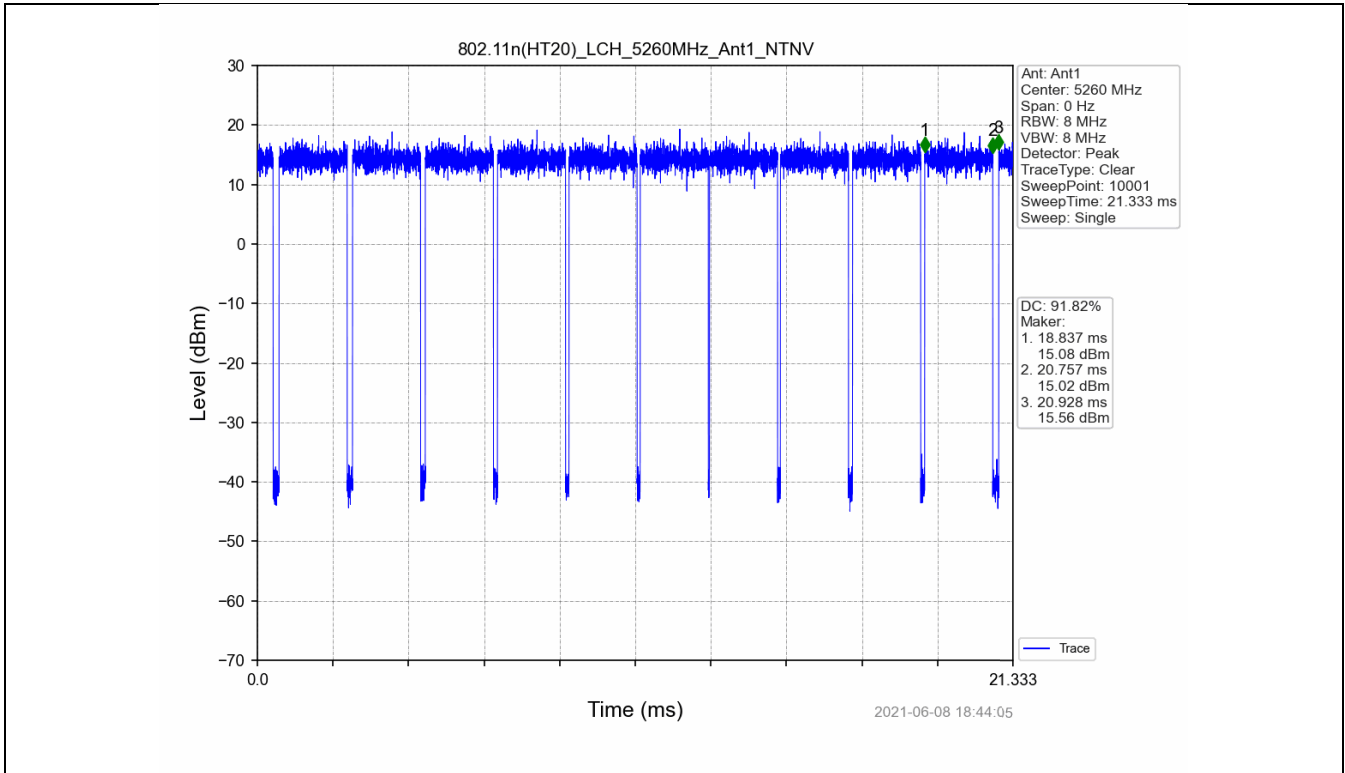
802.11a_HCH_5825MHz_Ant1_NTNV



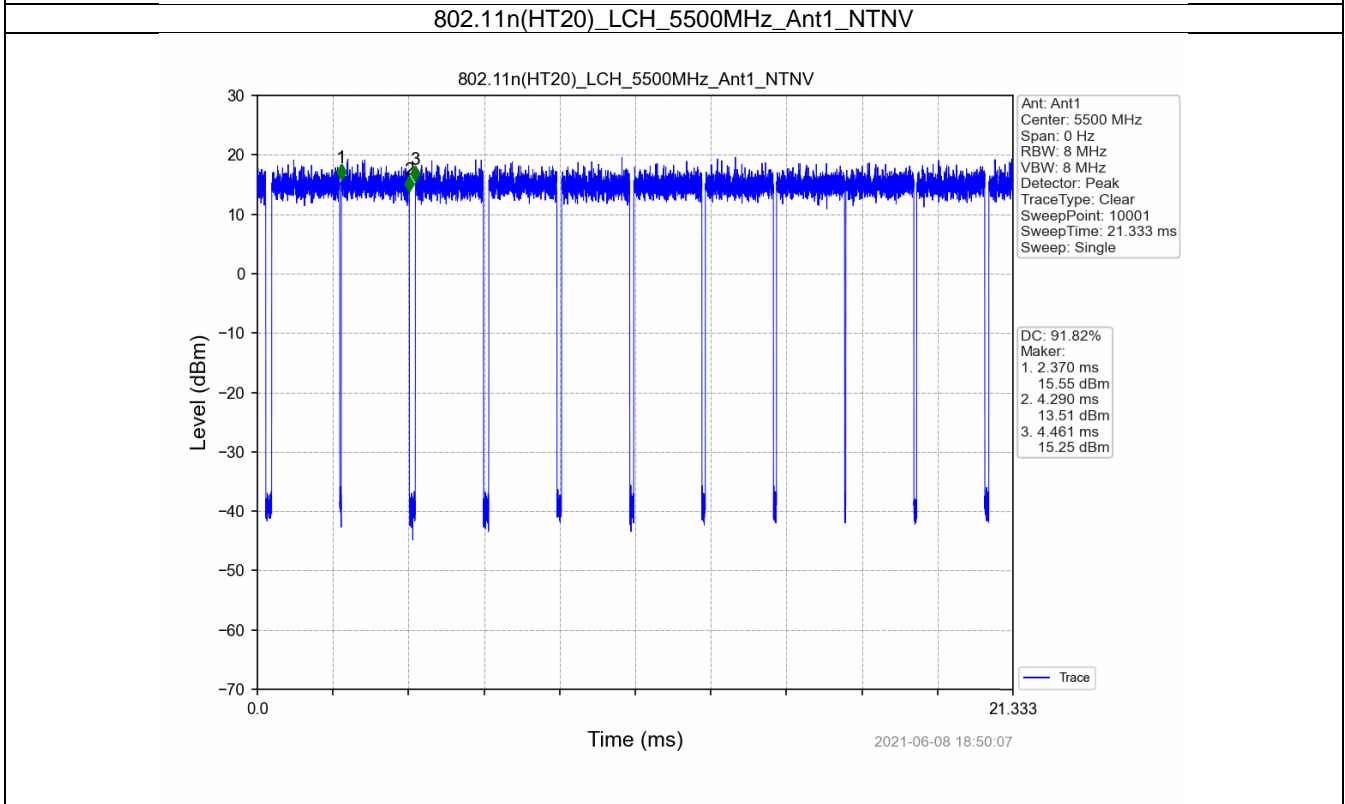
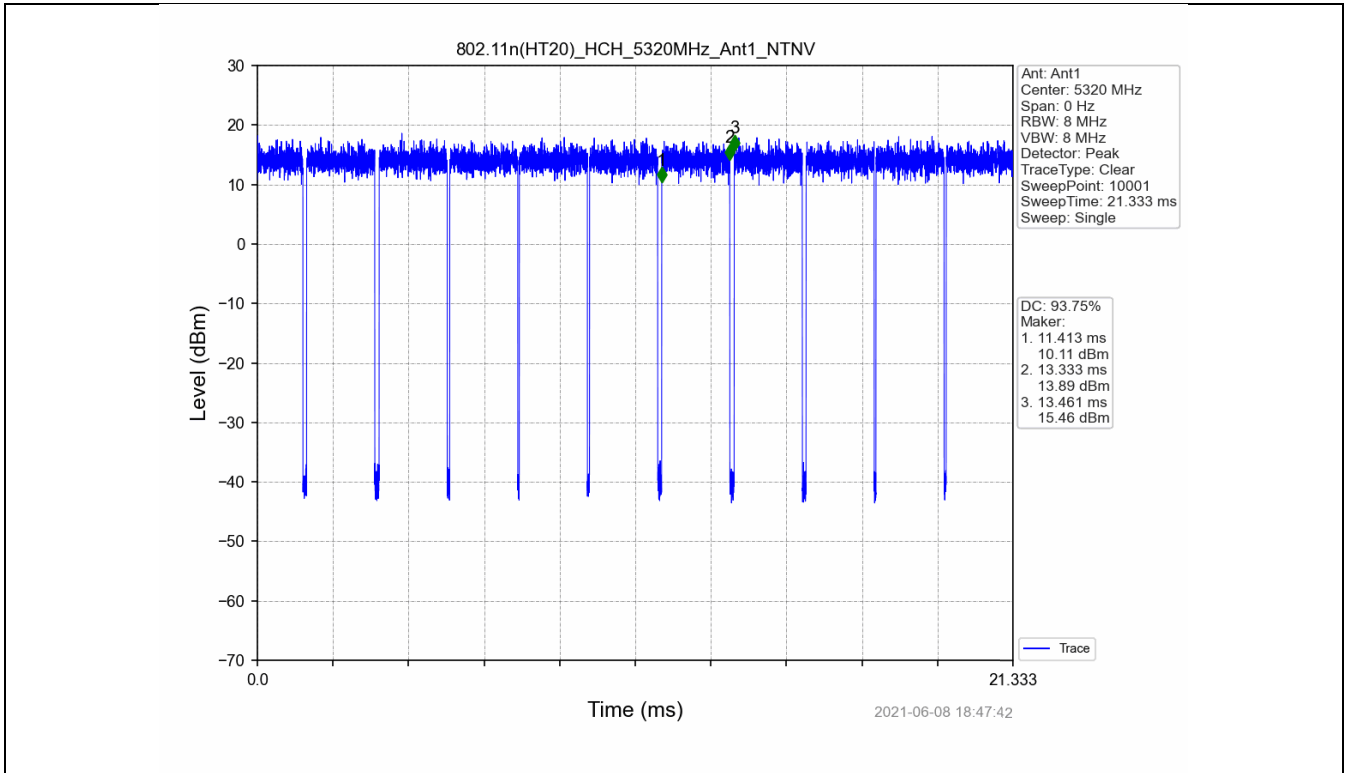
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



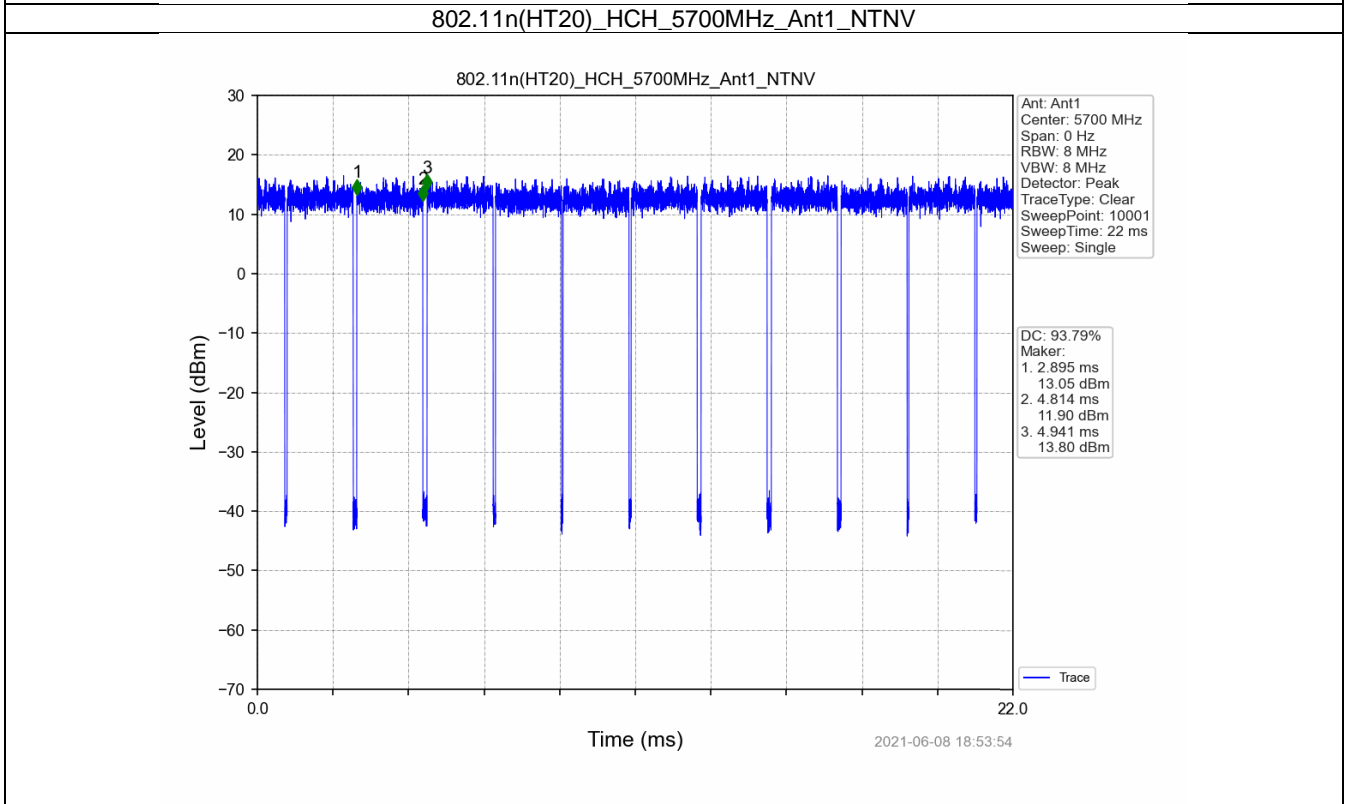
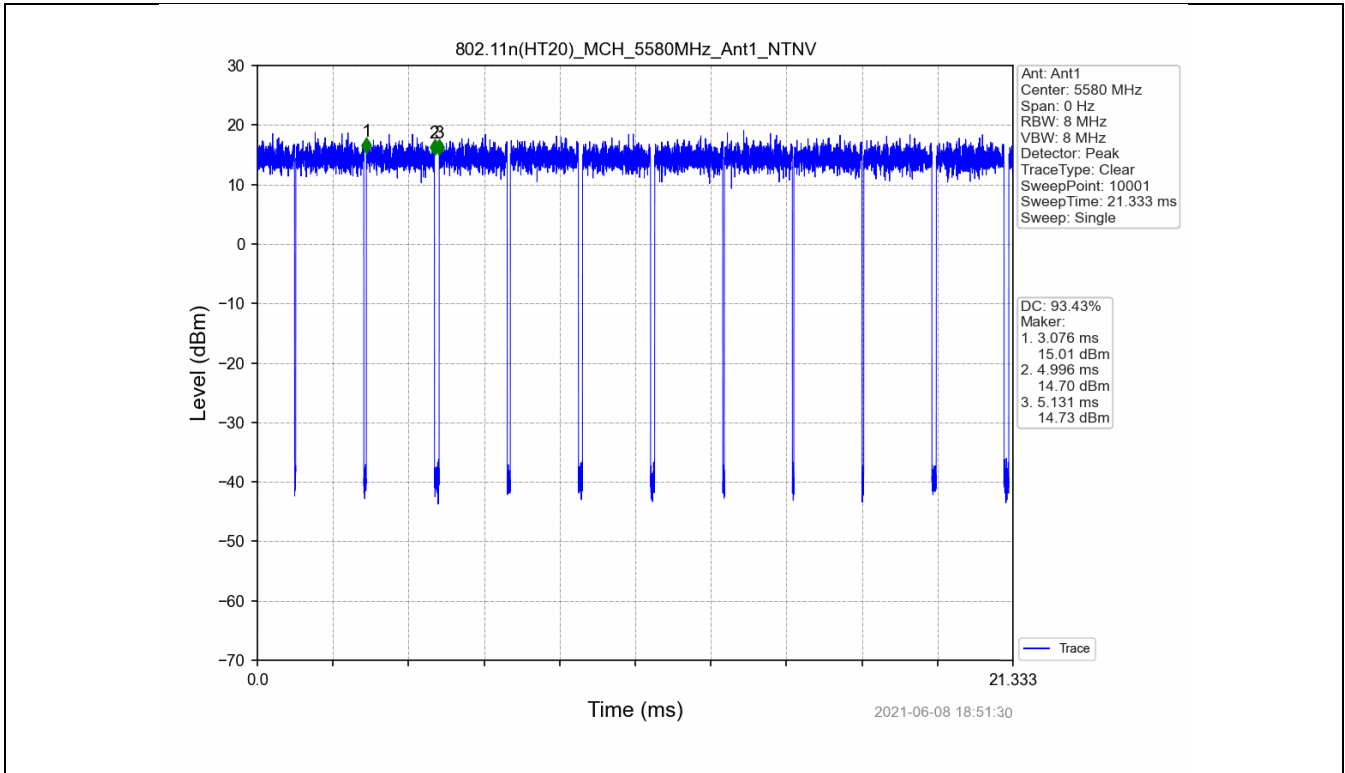
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



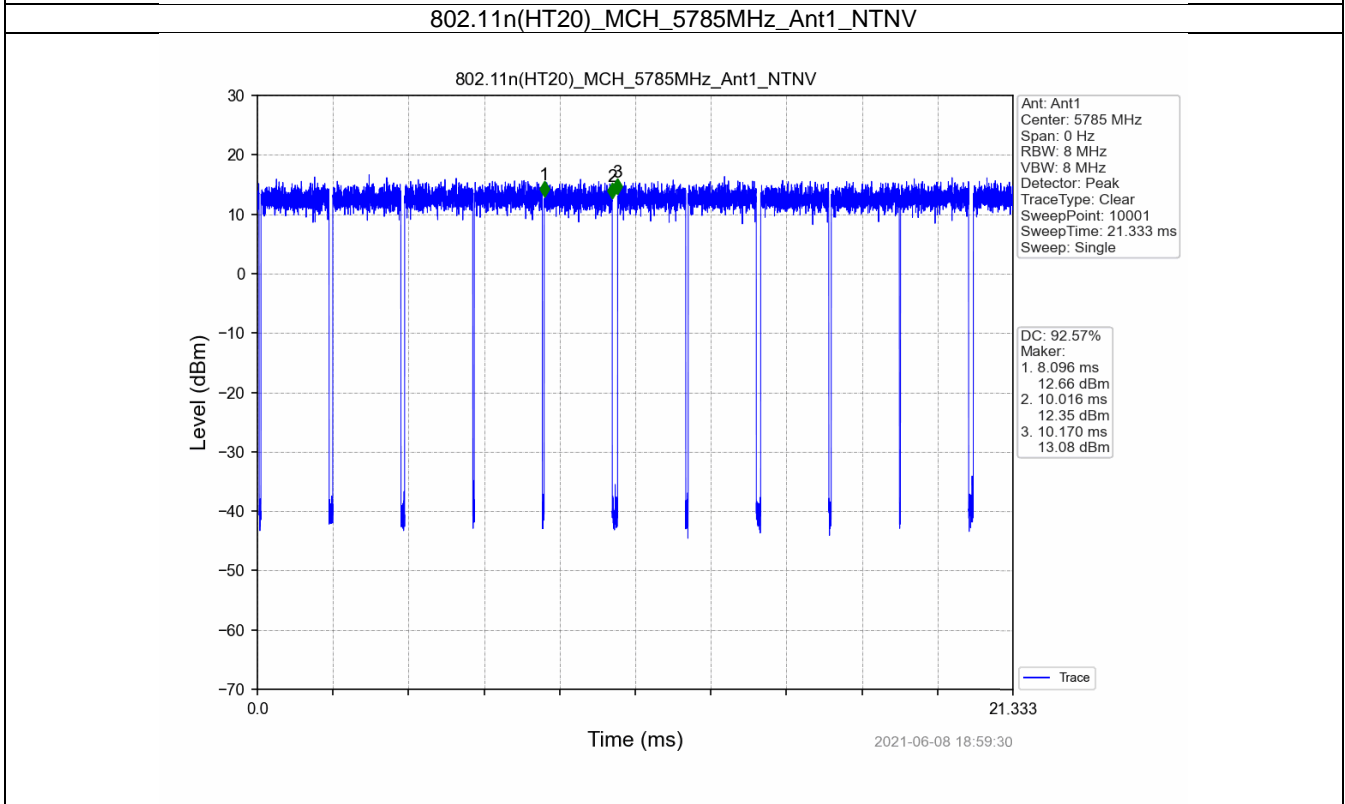
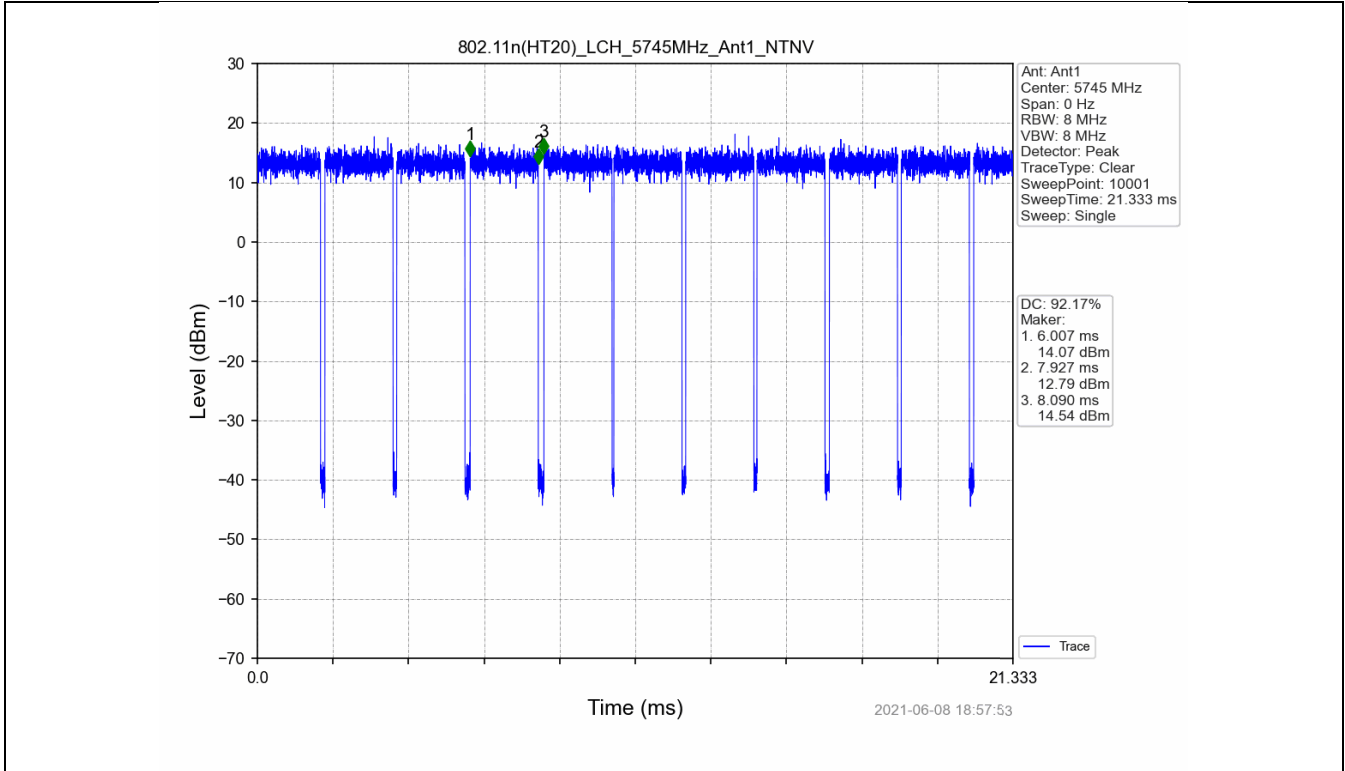
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



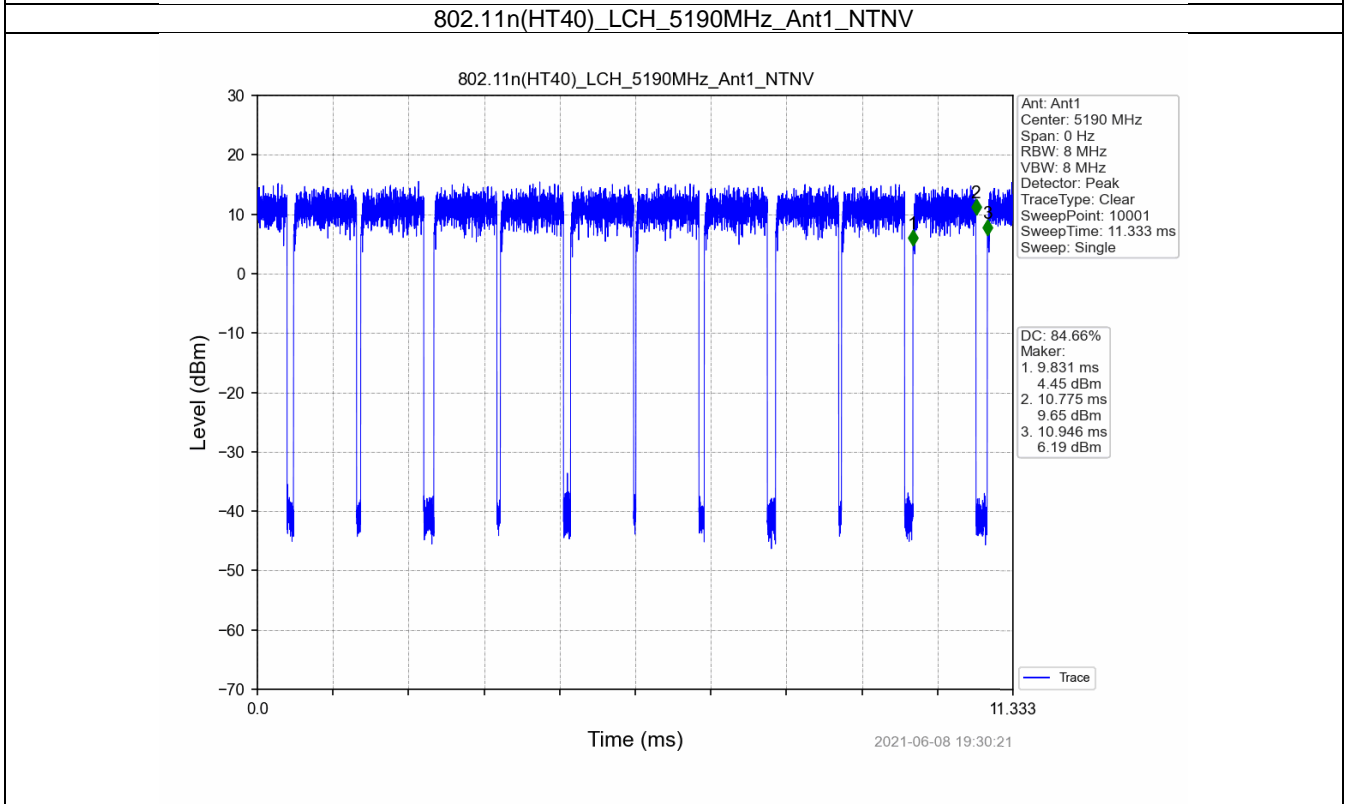
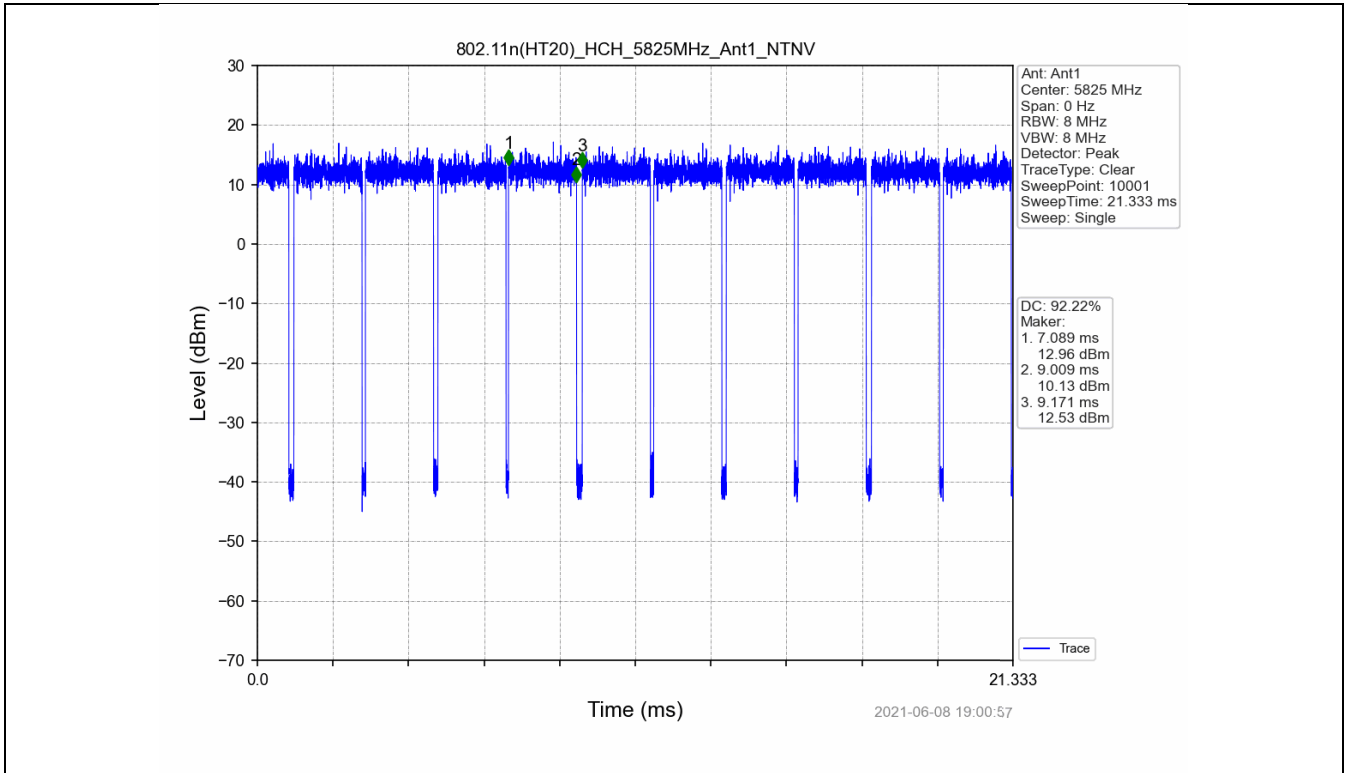
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



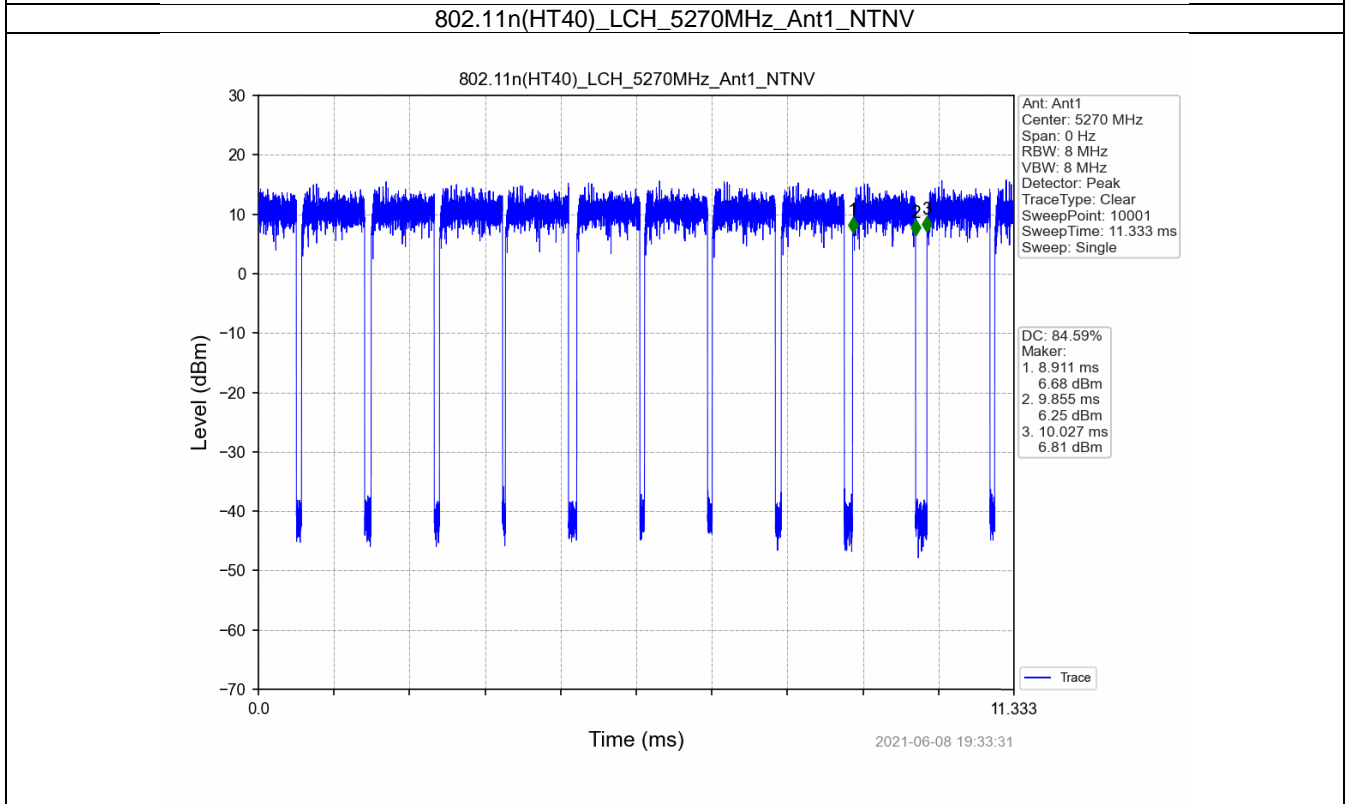
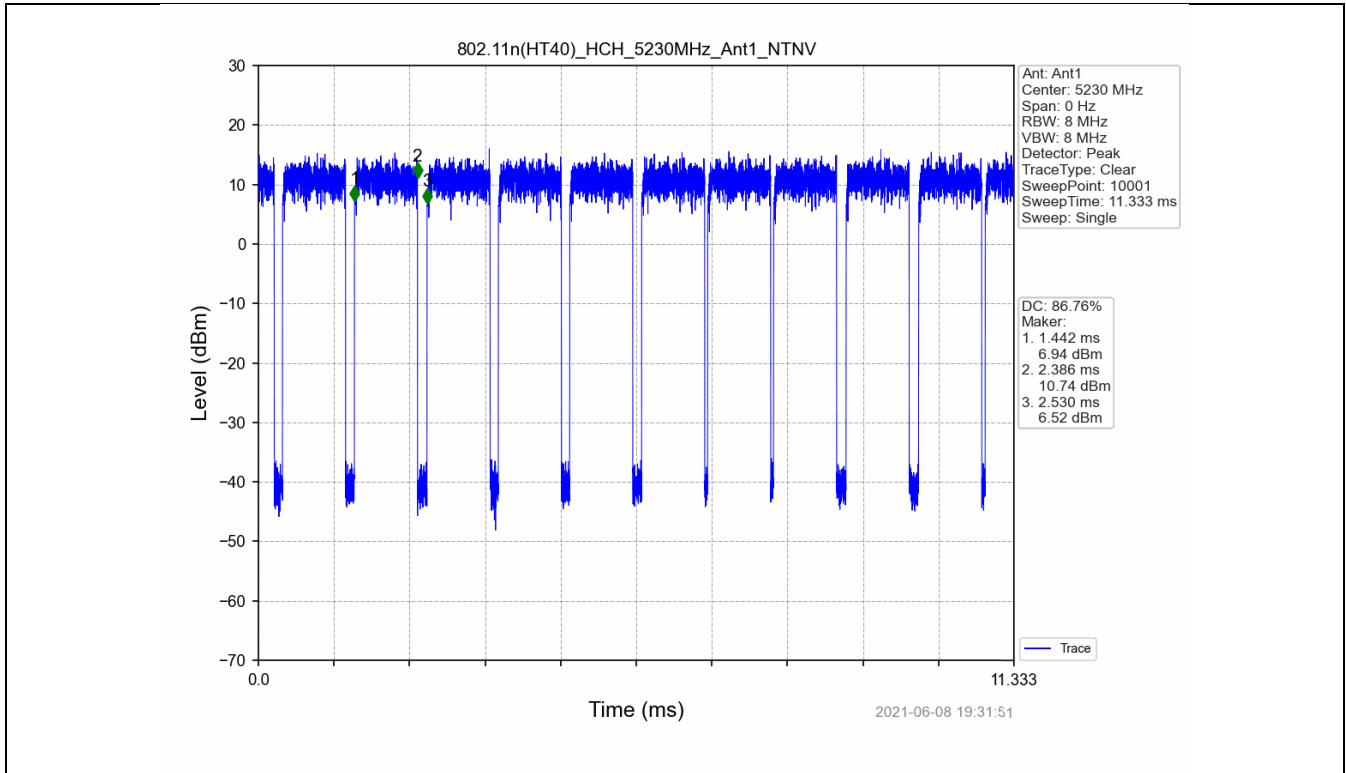
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



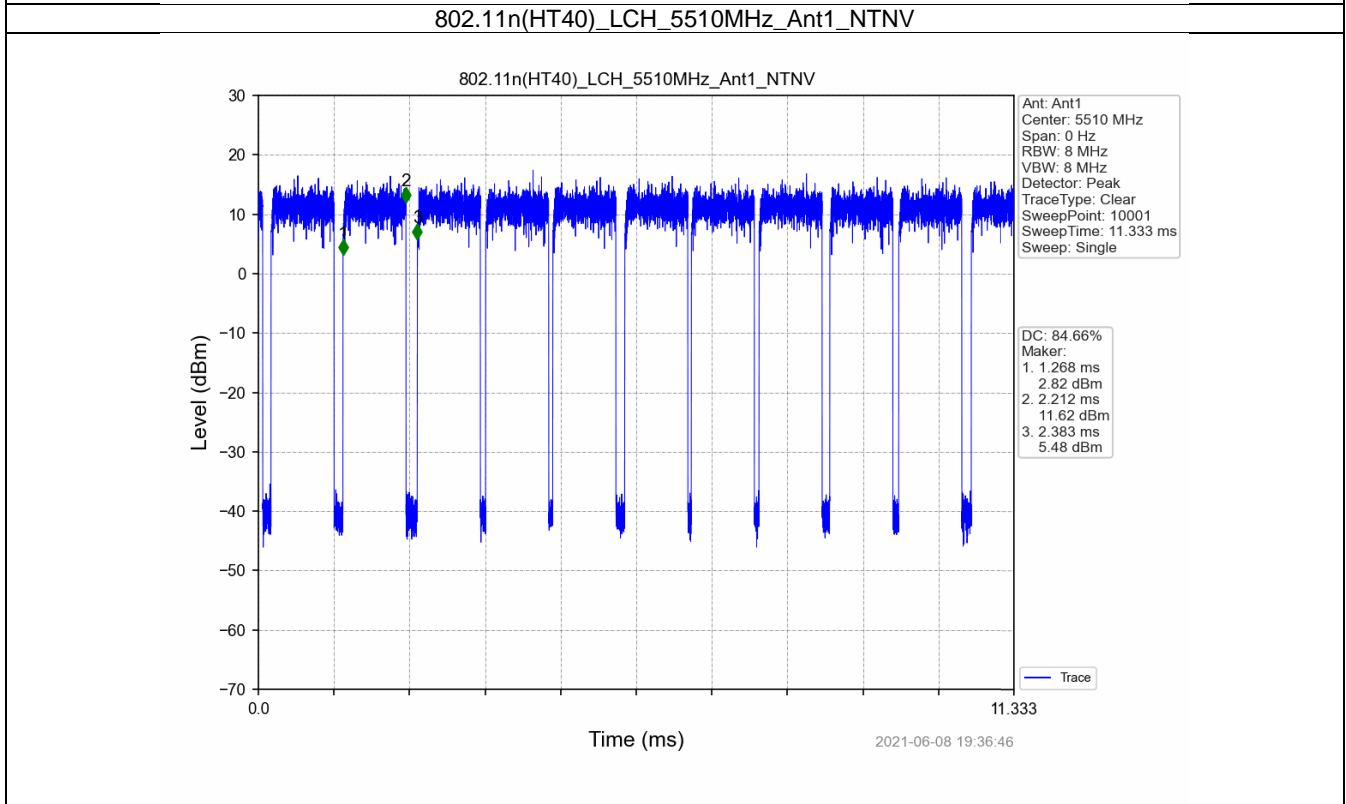
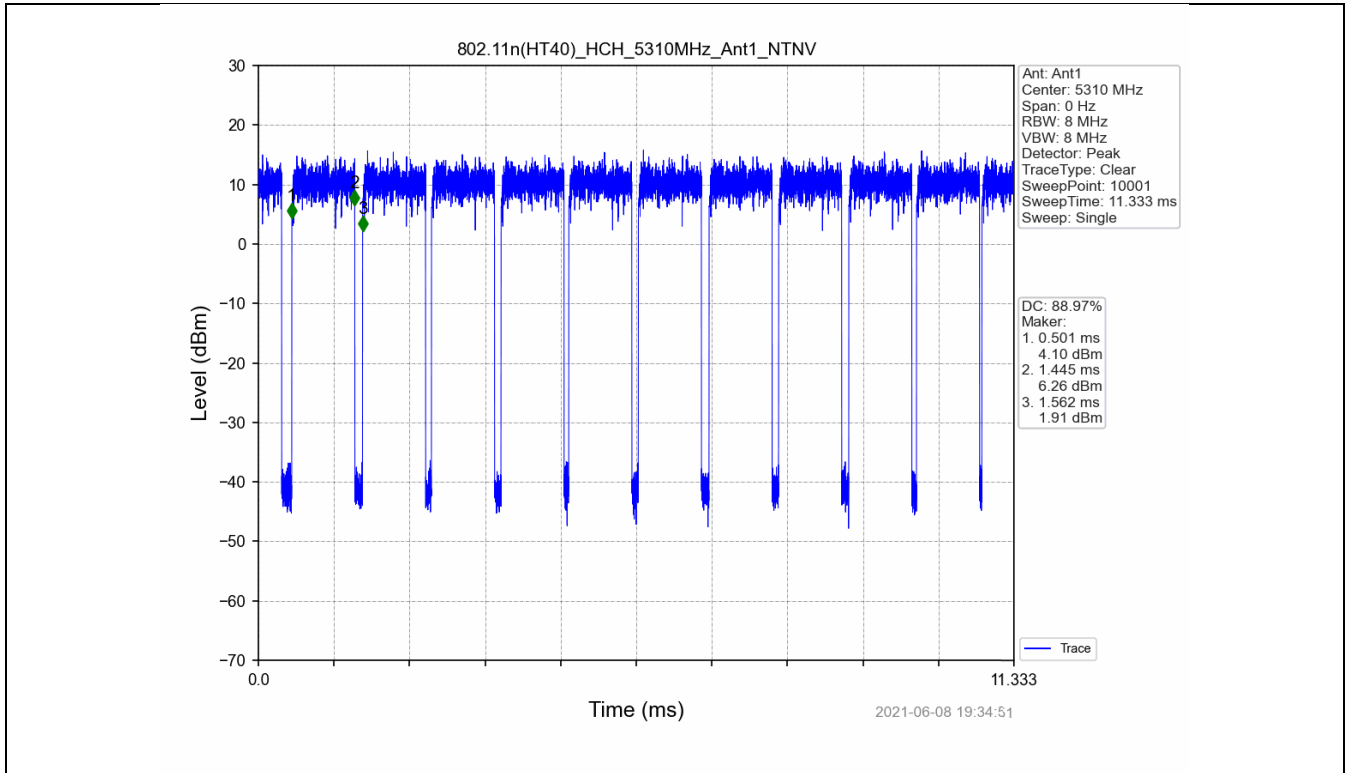
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



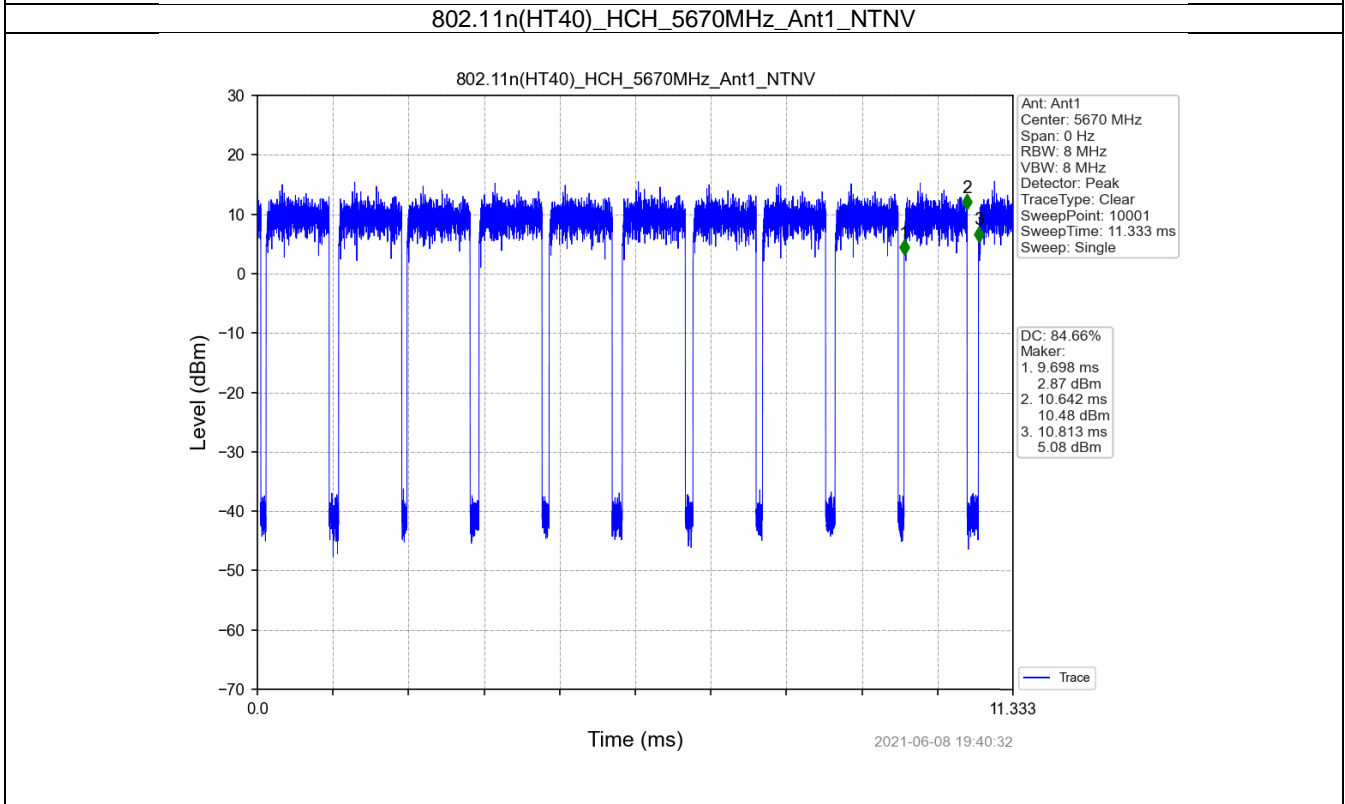
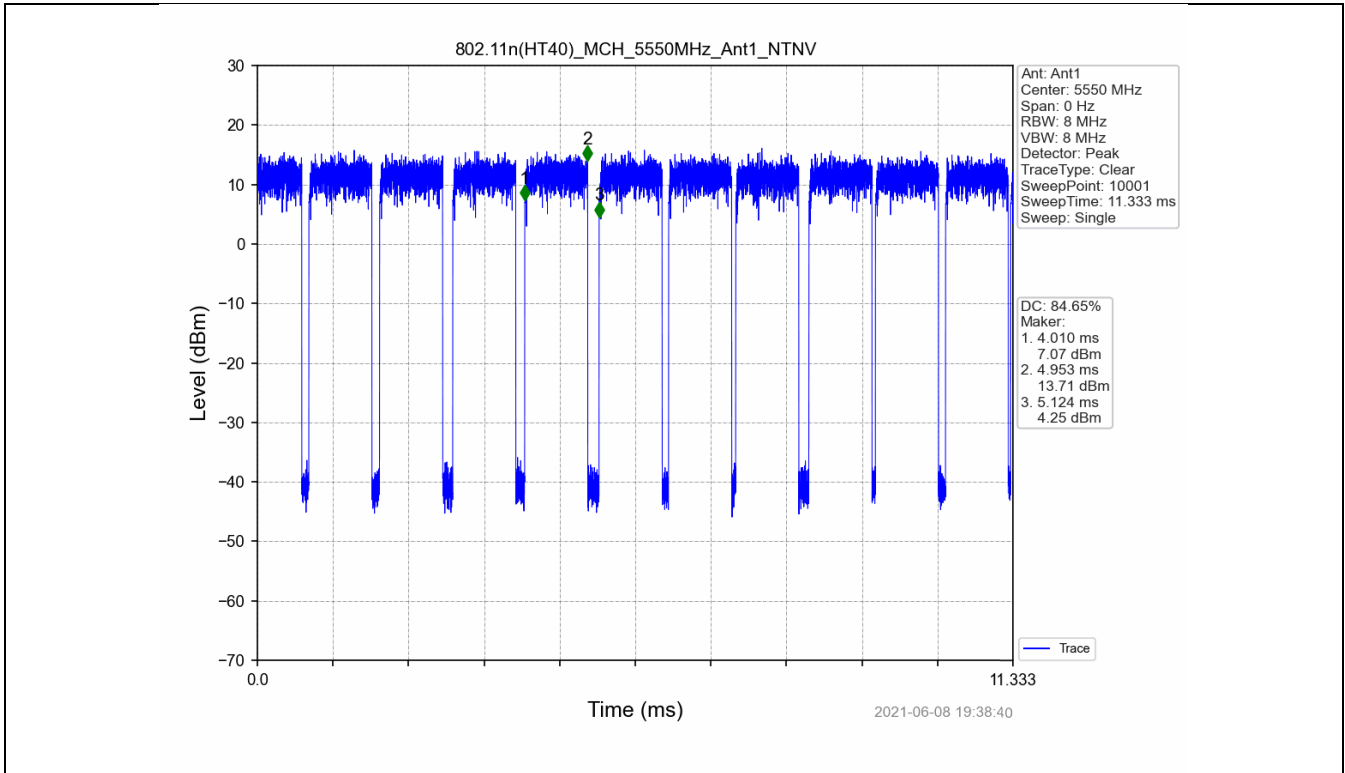
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



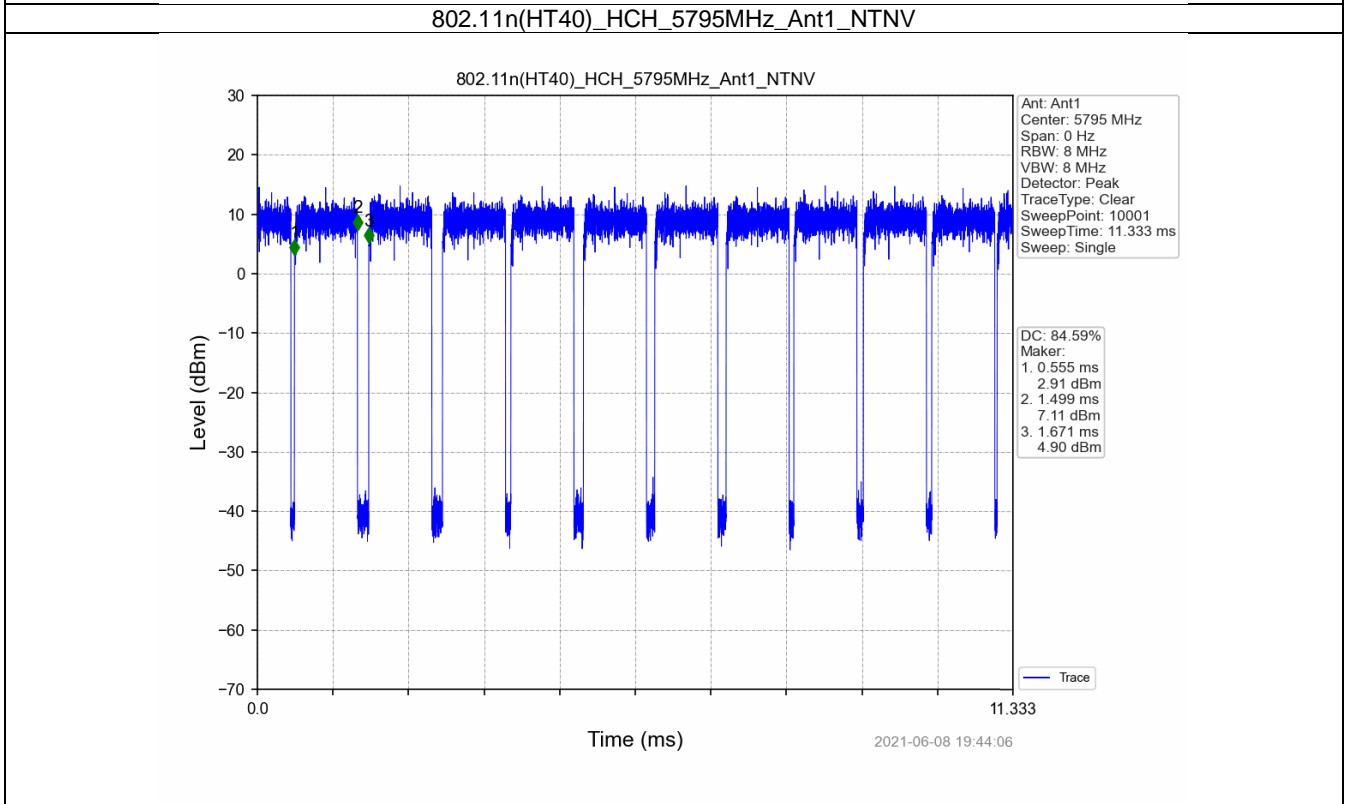
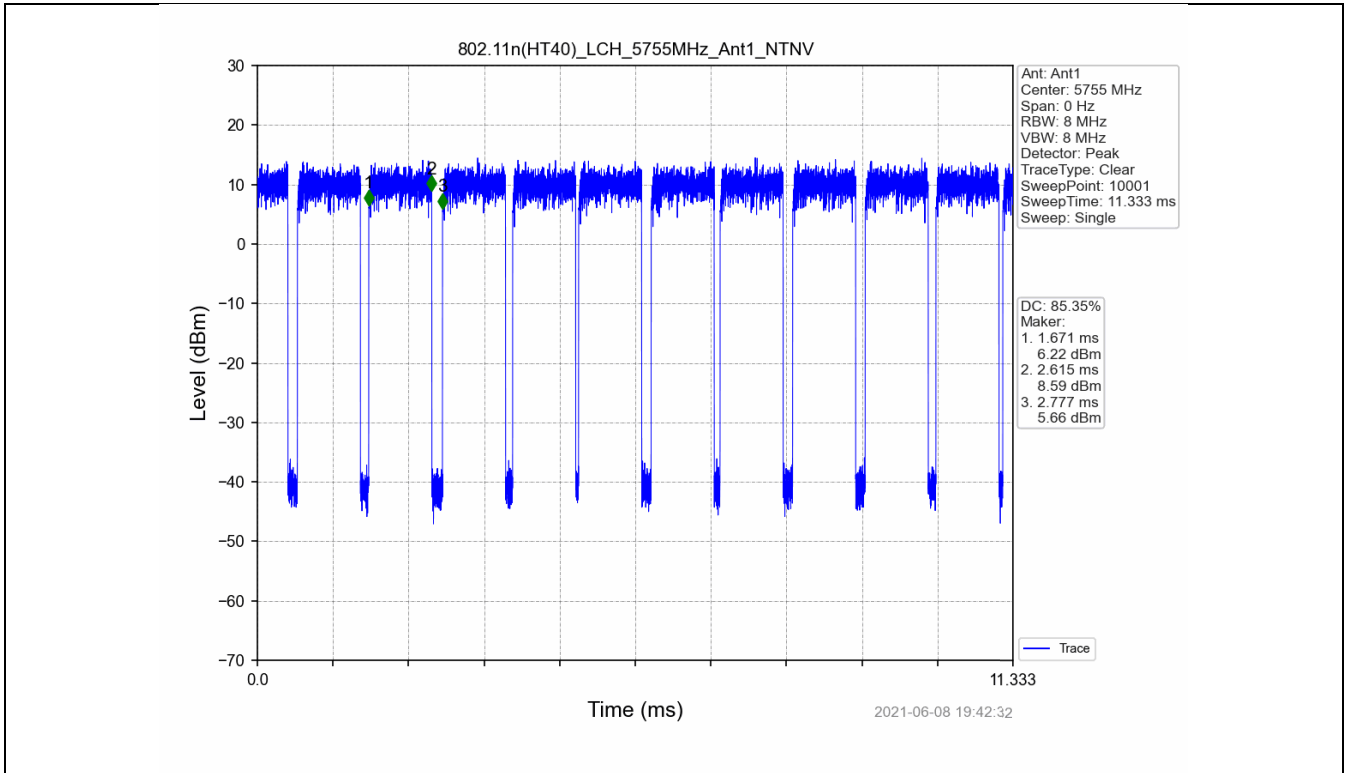
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



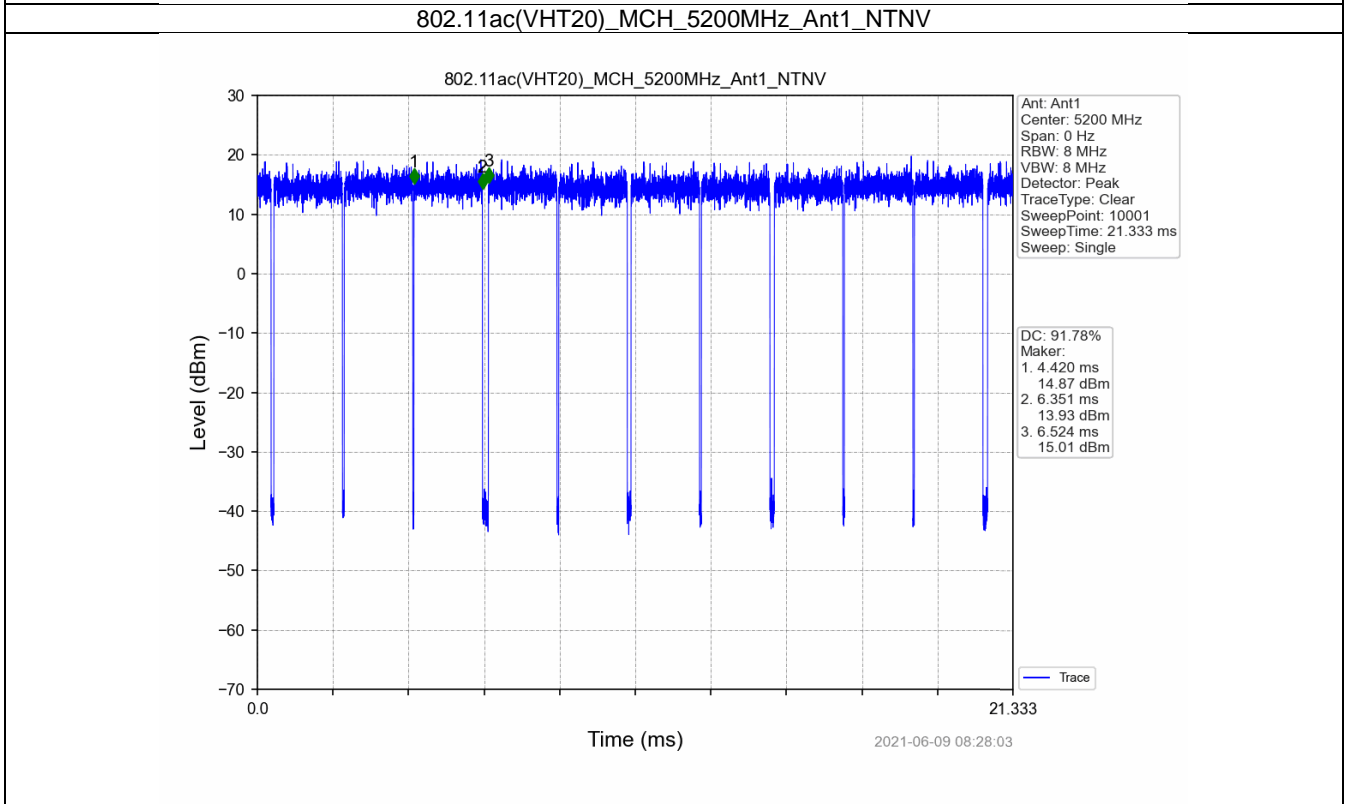
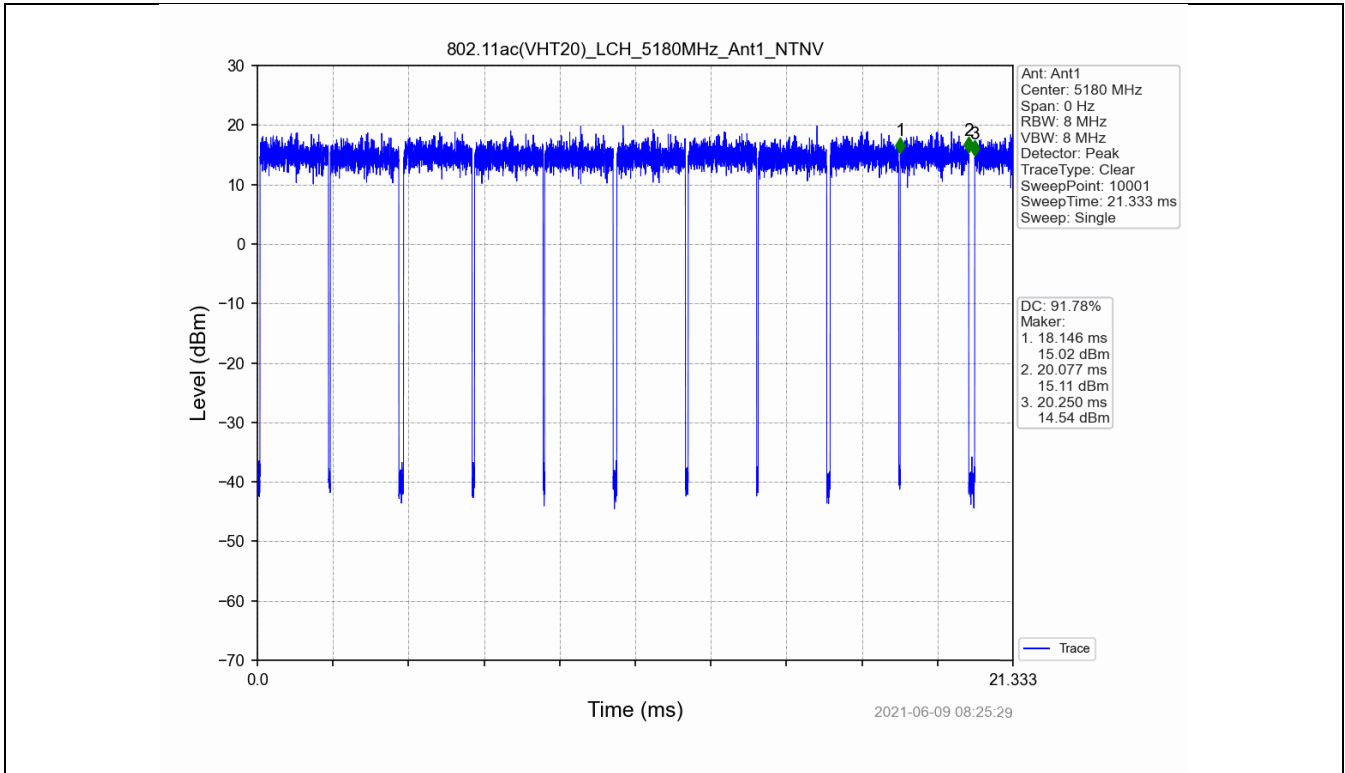
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



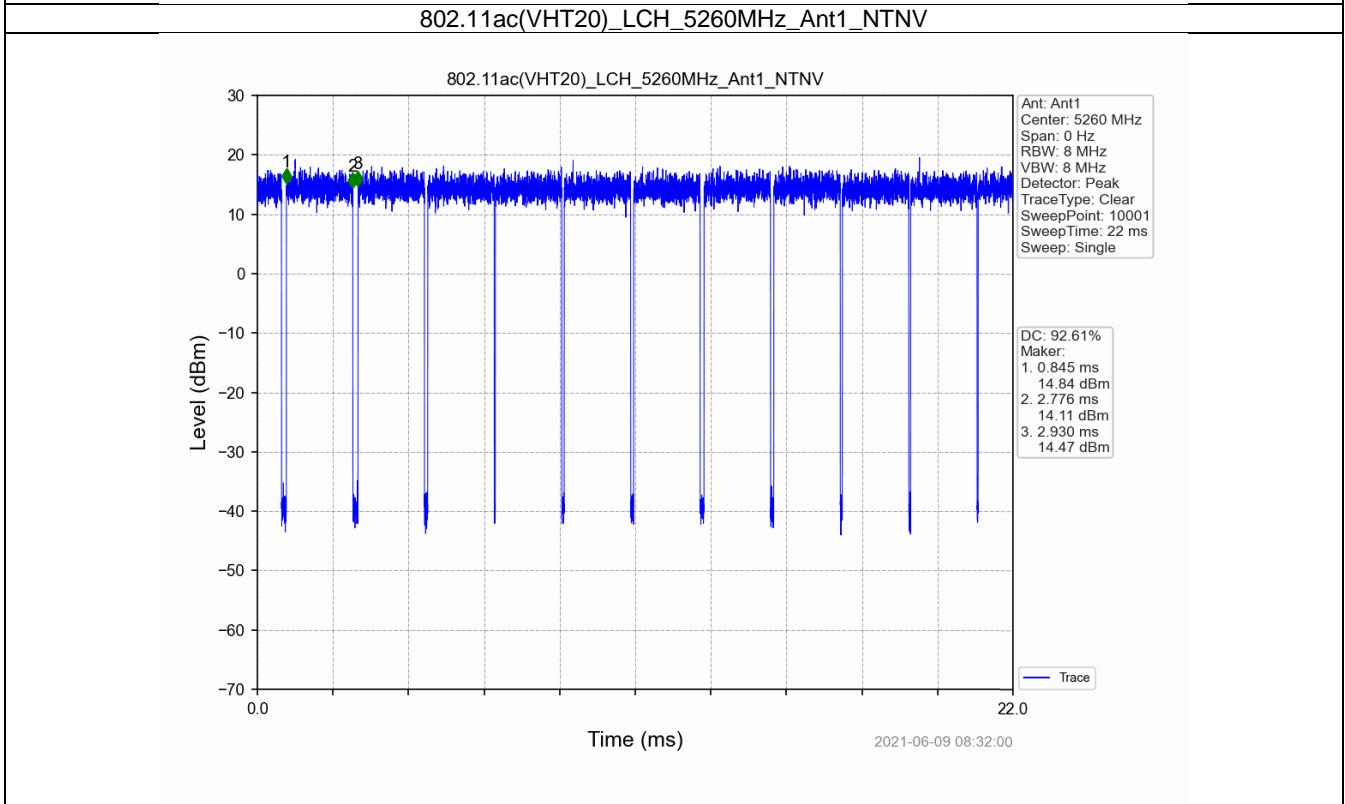
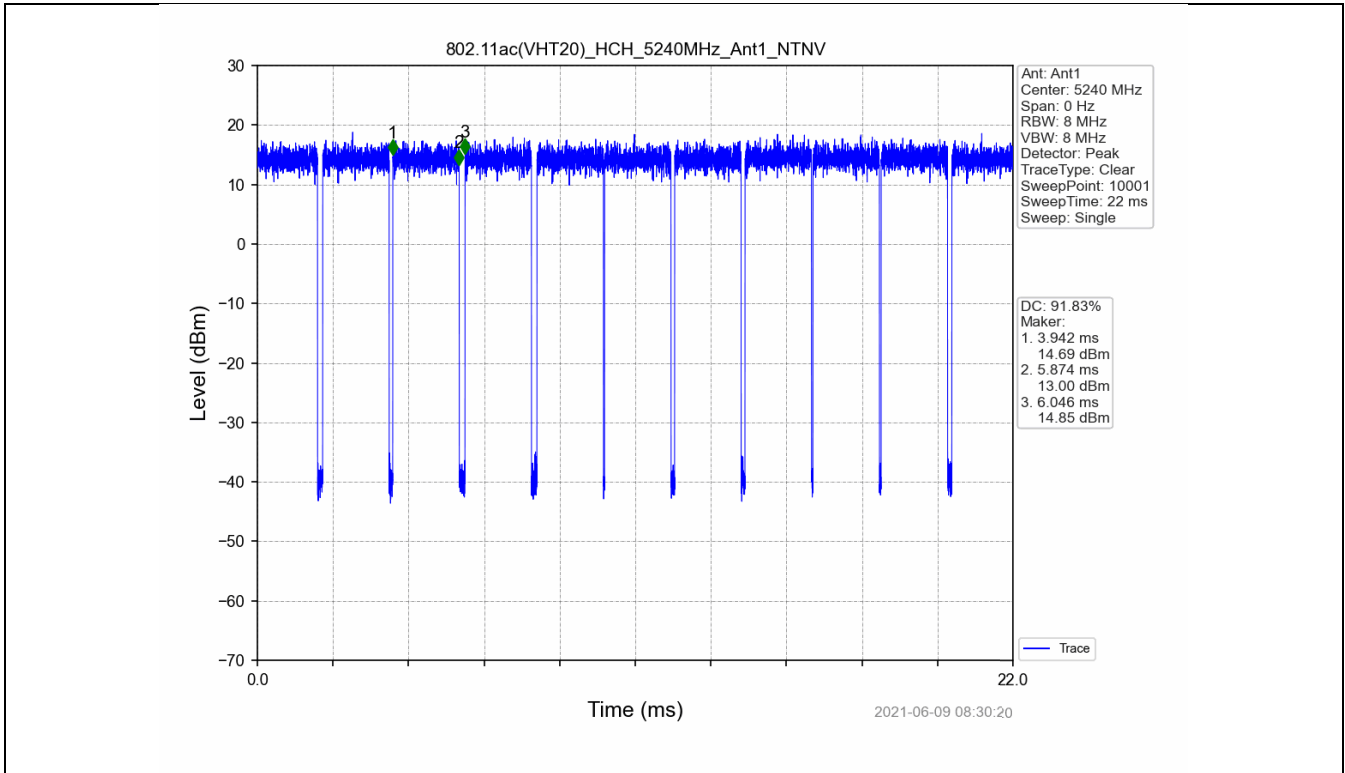
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



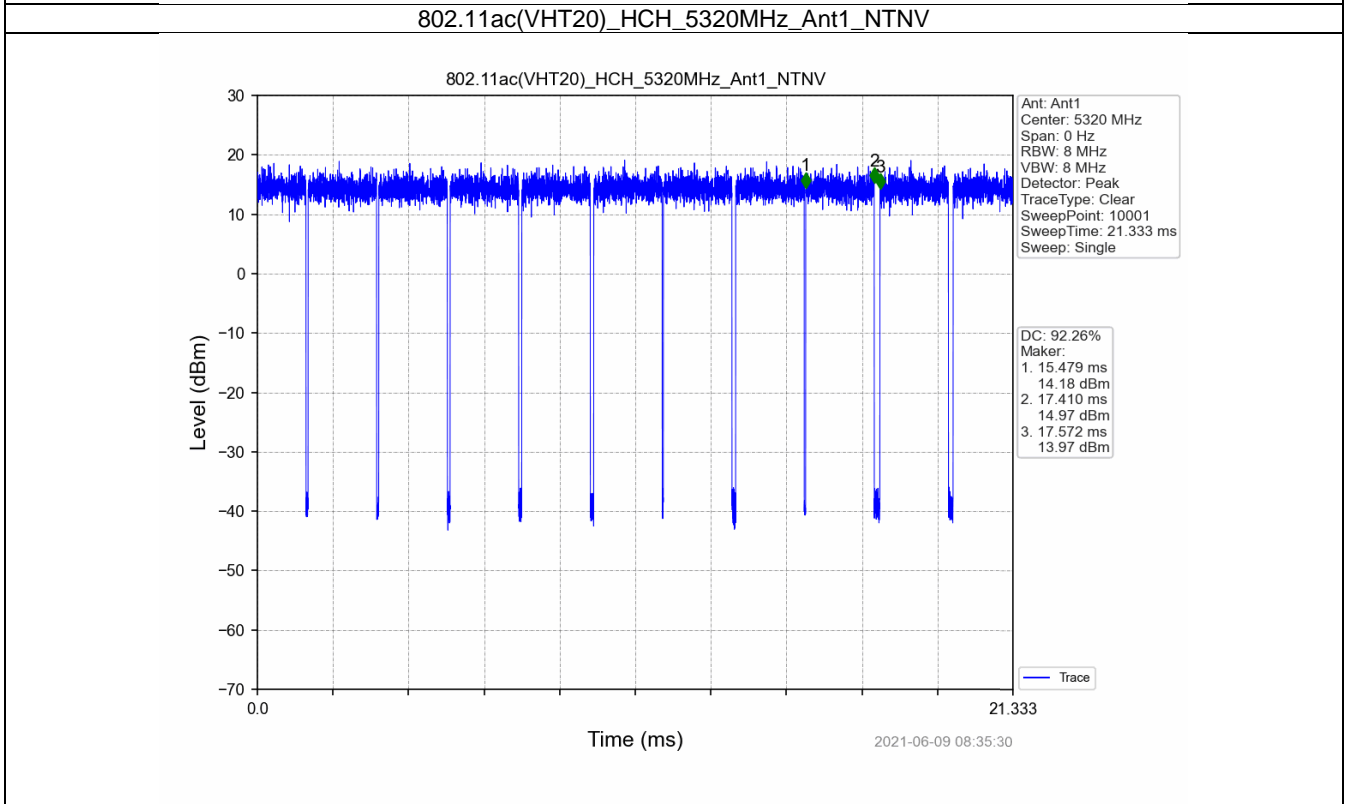
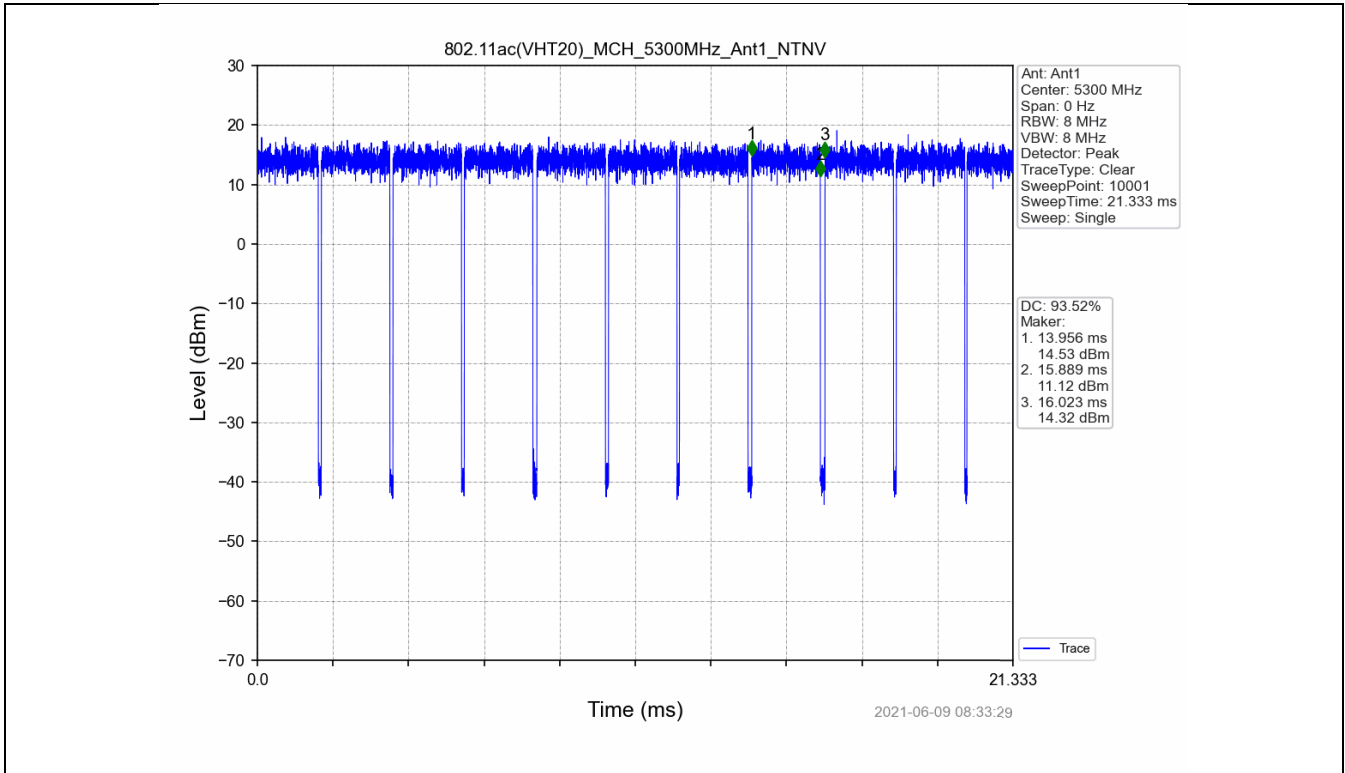
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



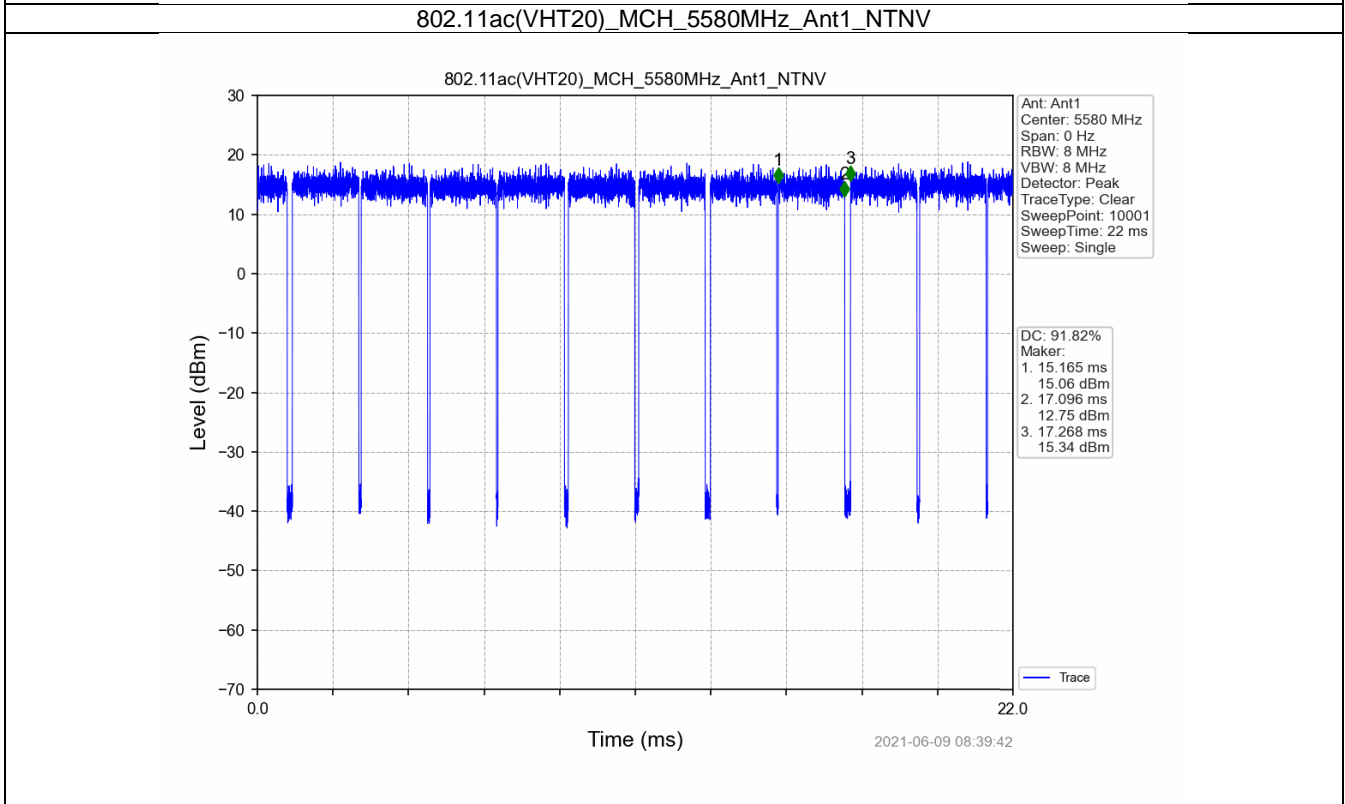
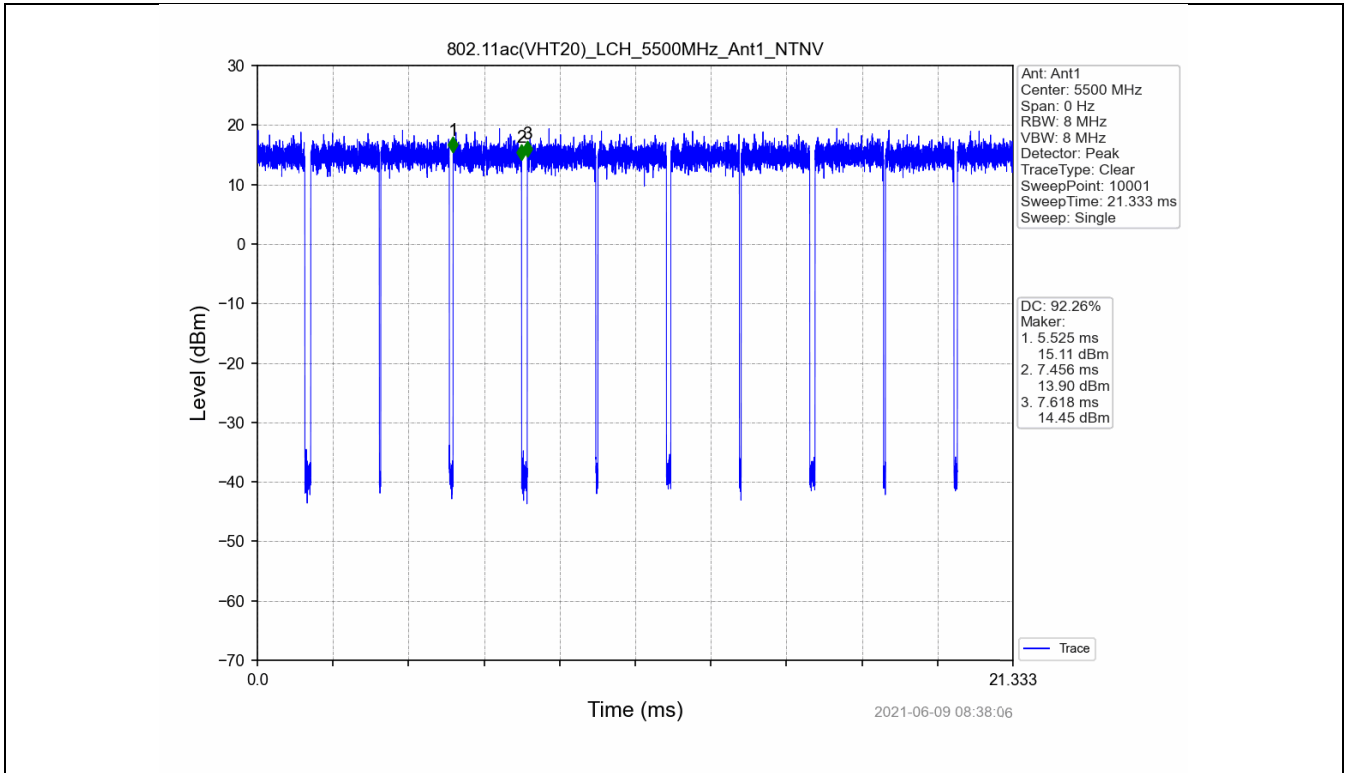
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



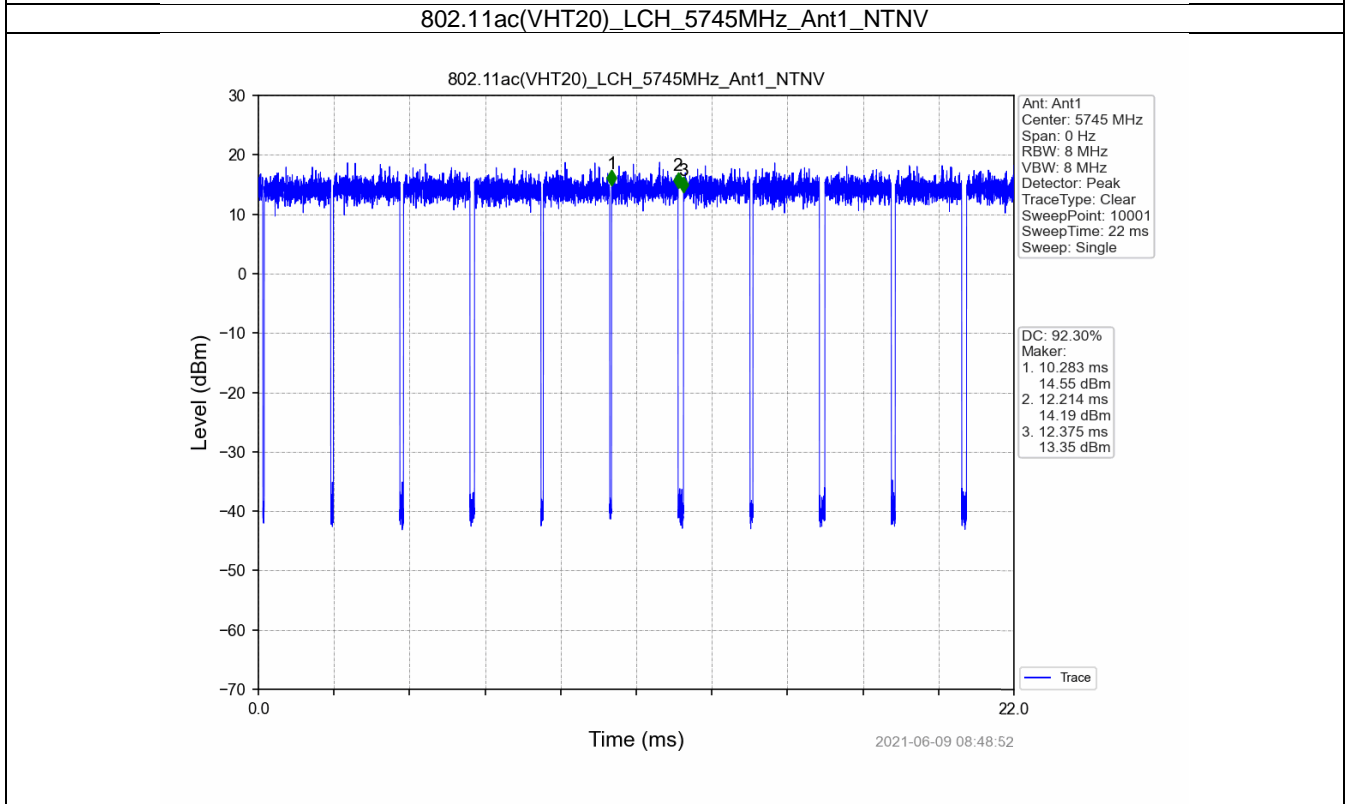
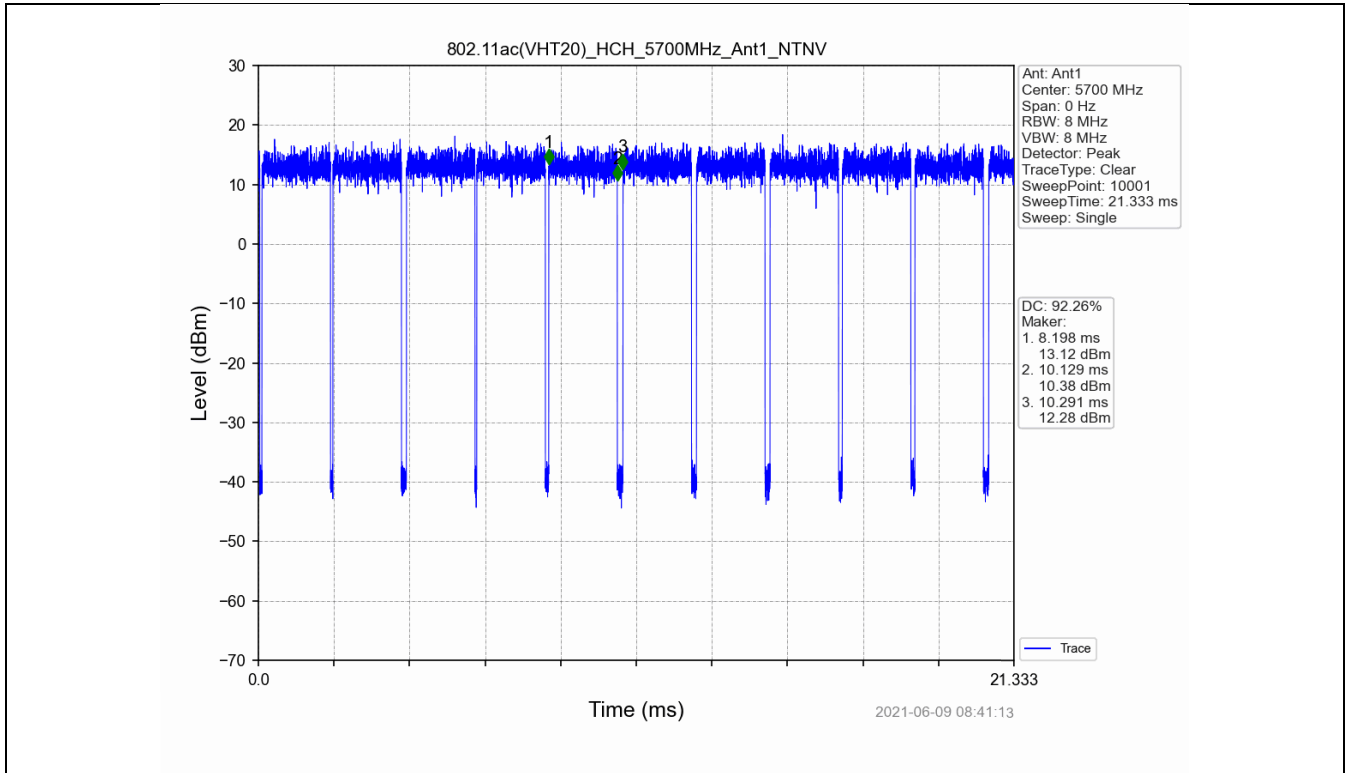
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



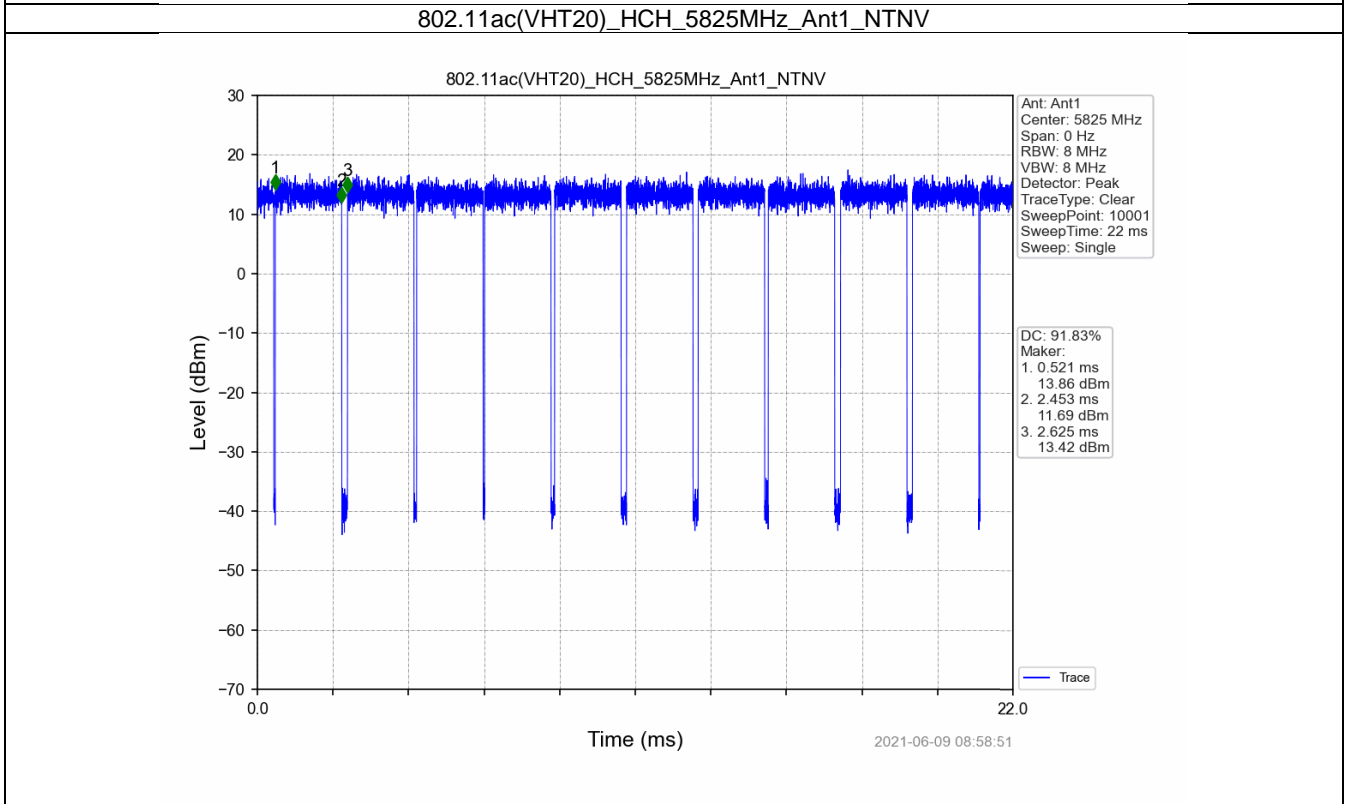
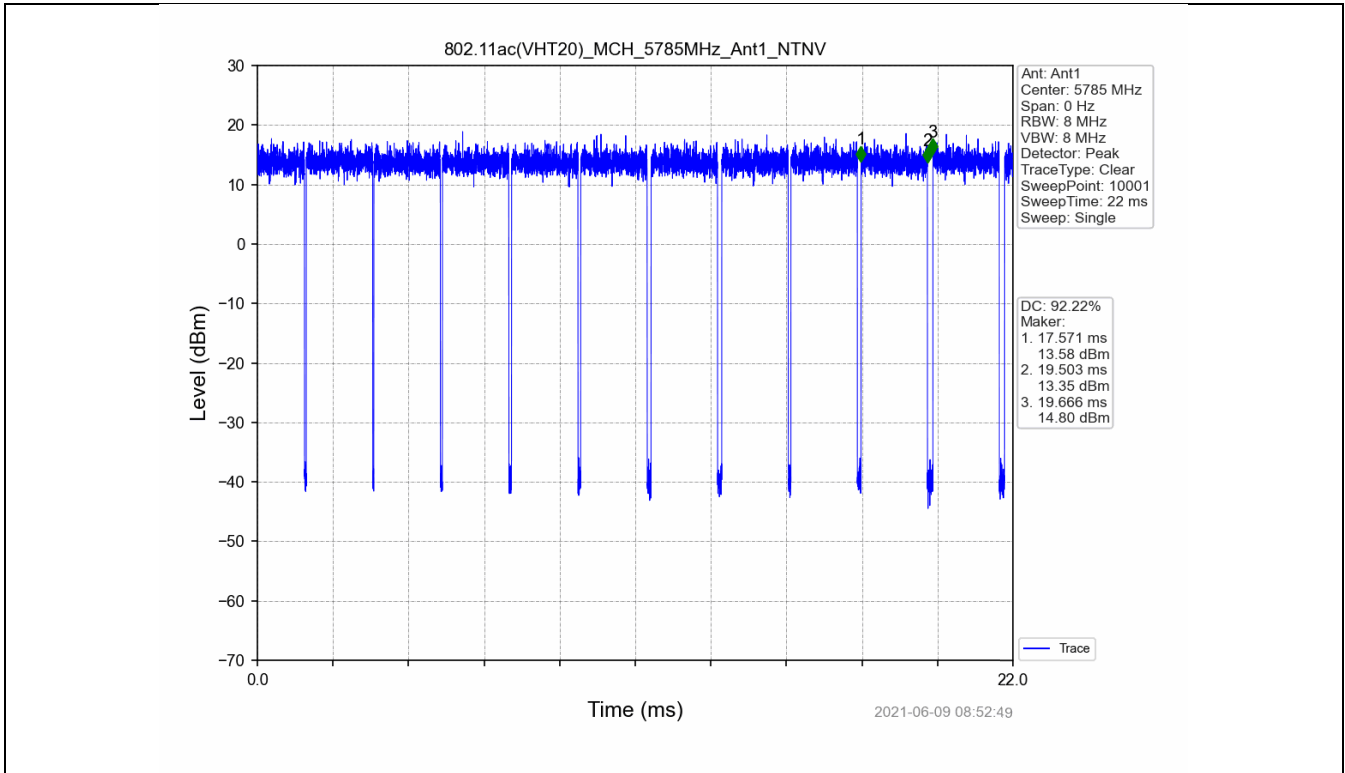
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



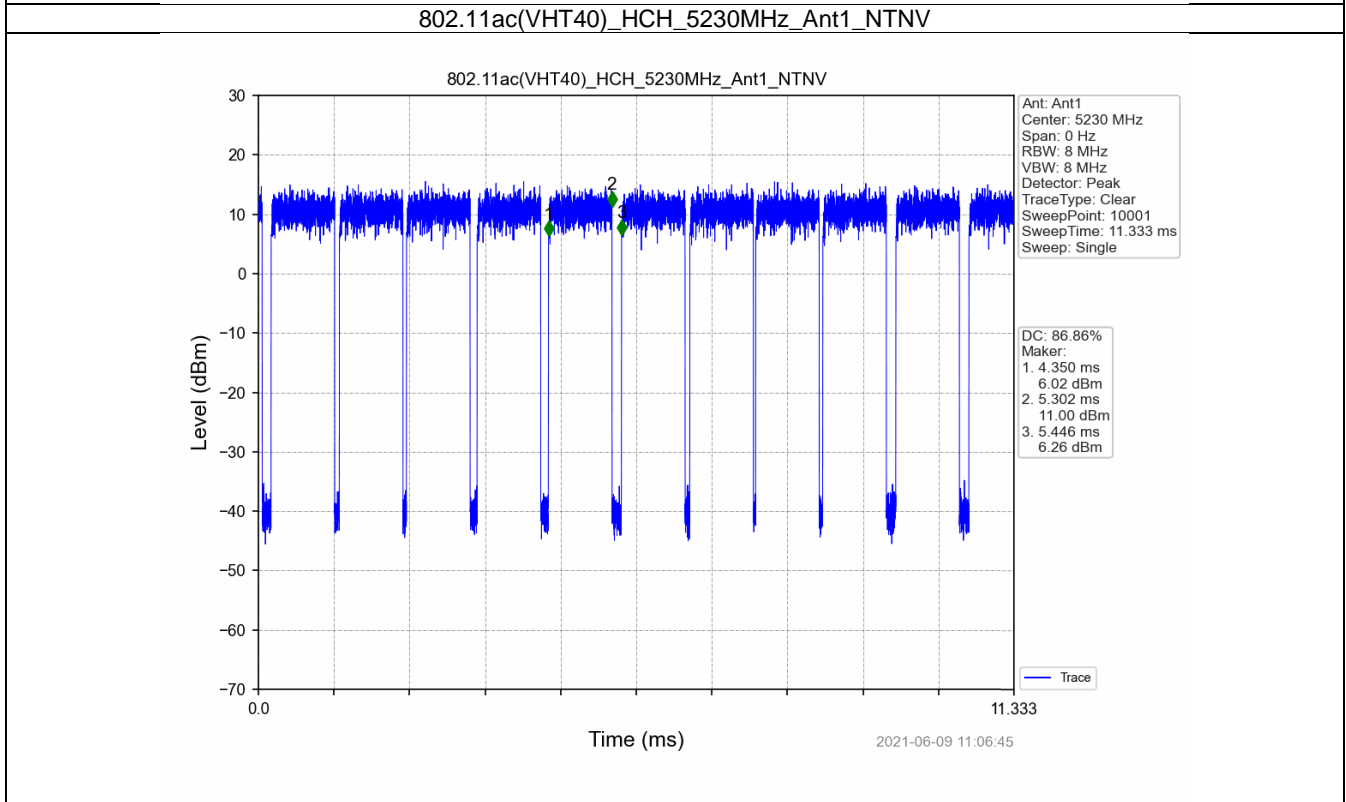
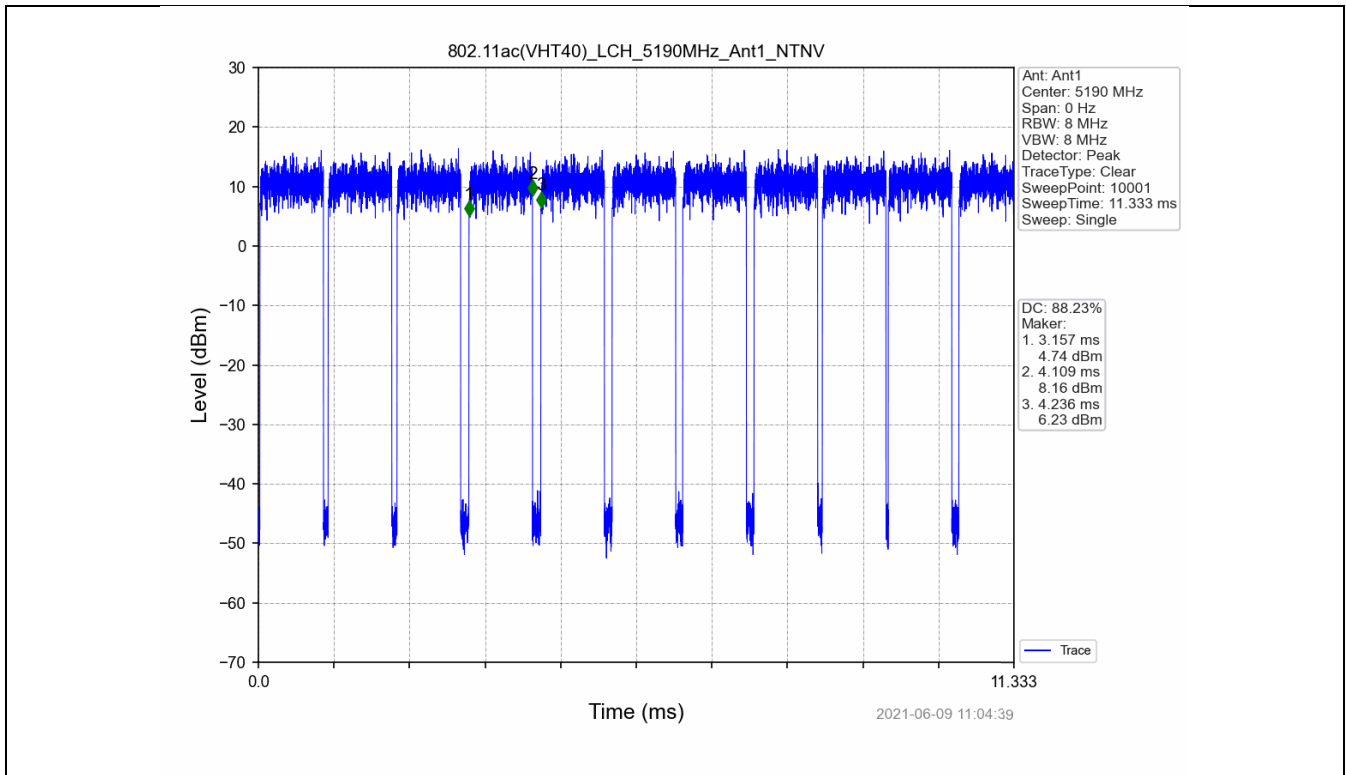
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



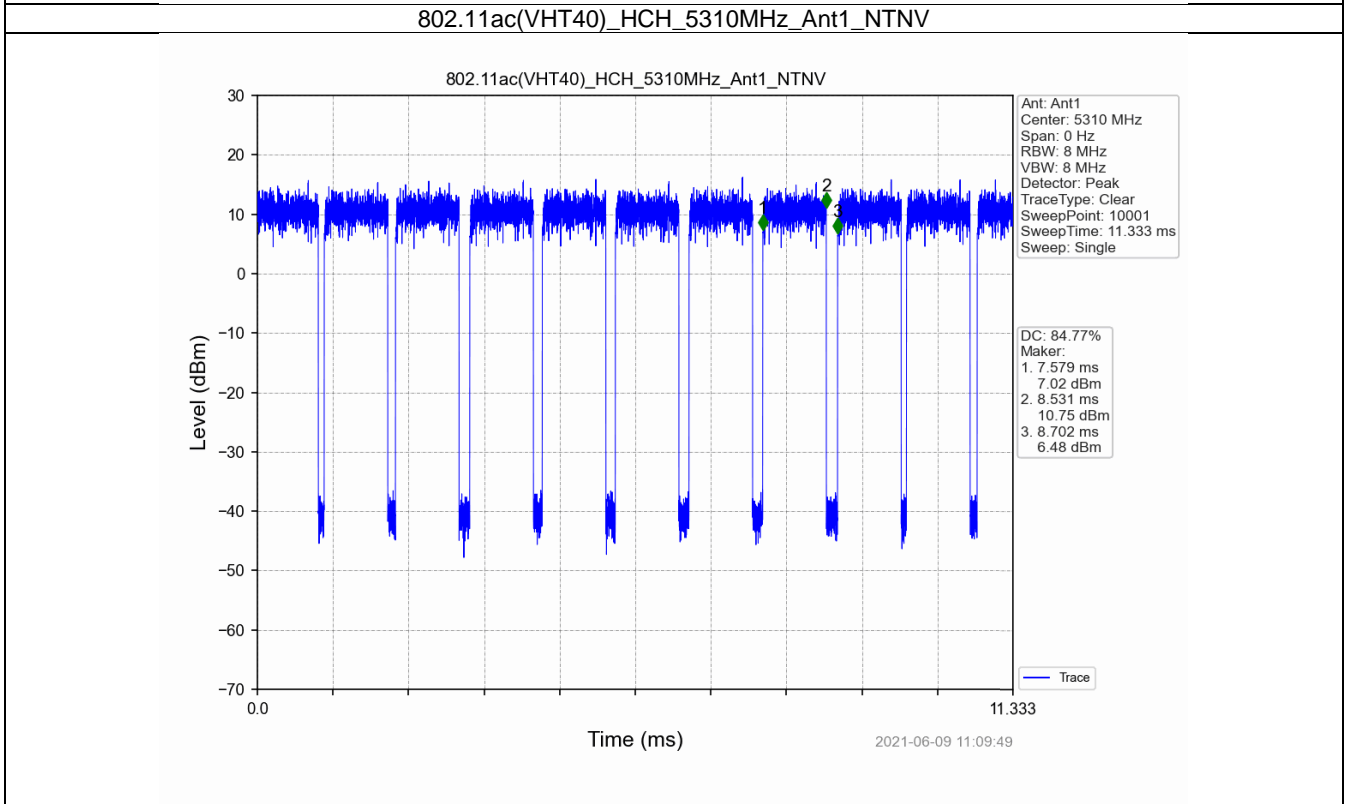
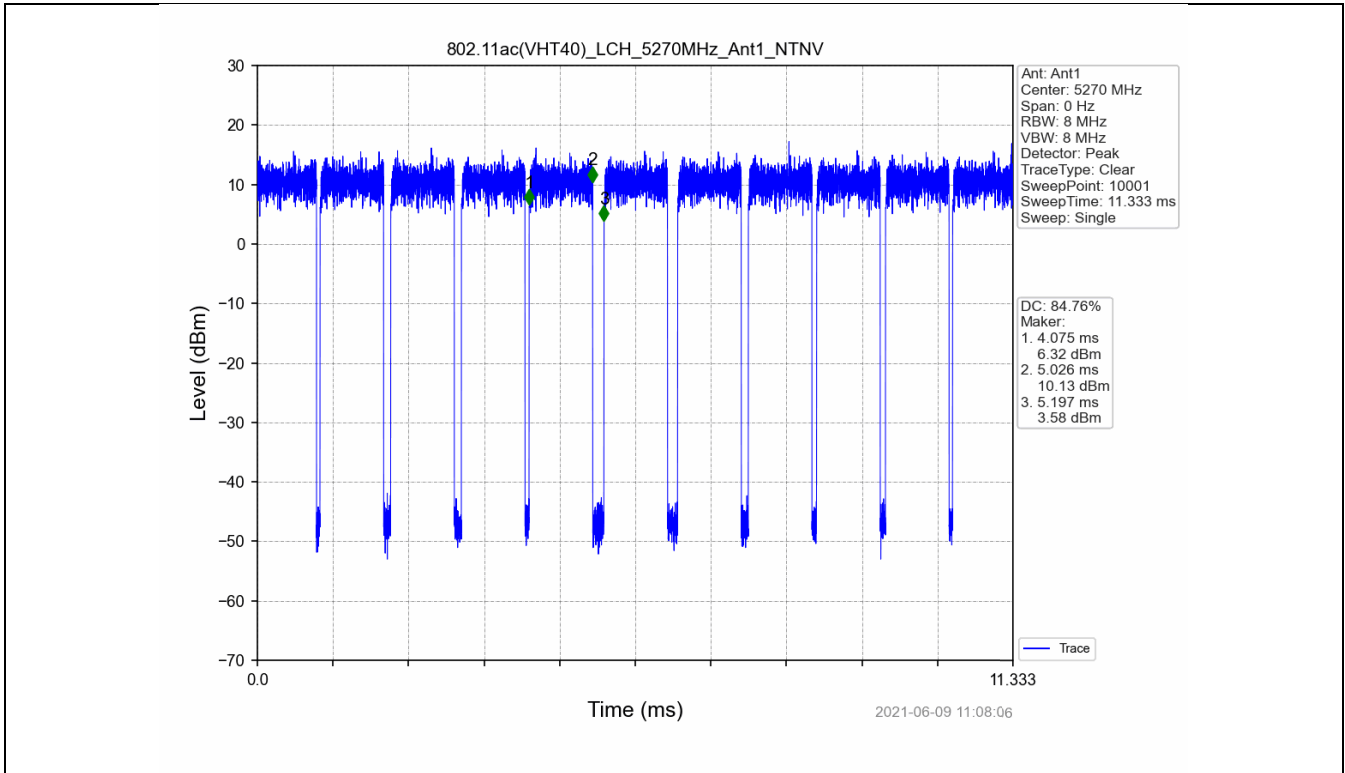
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



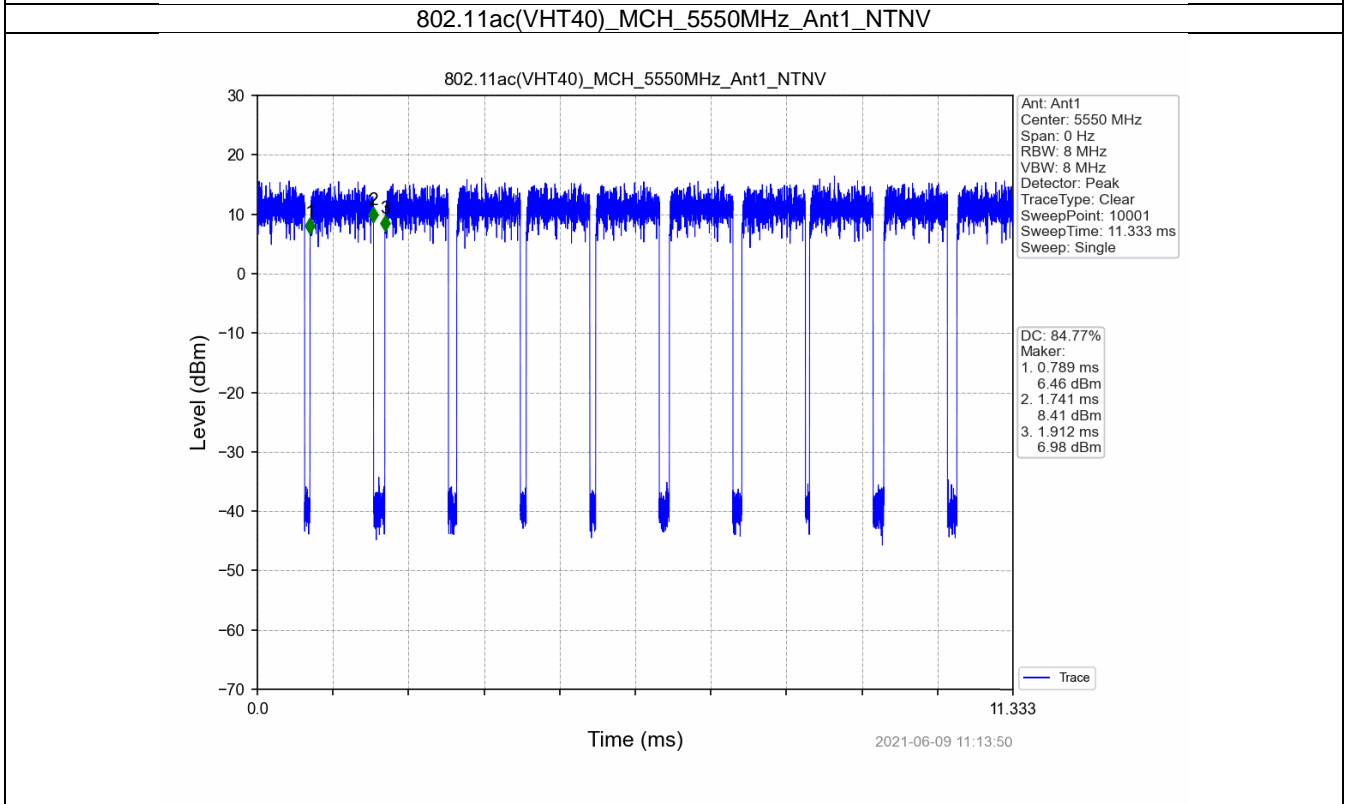
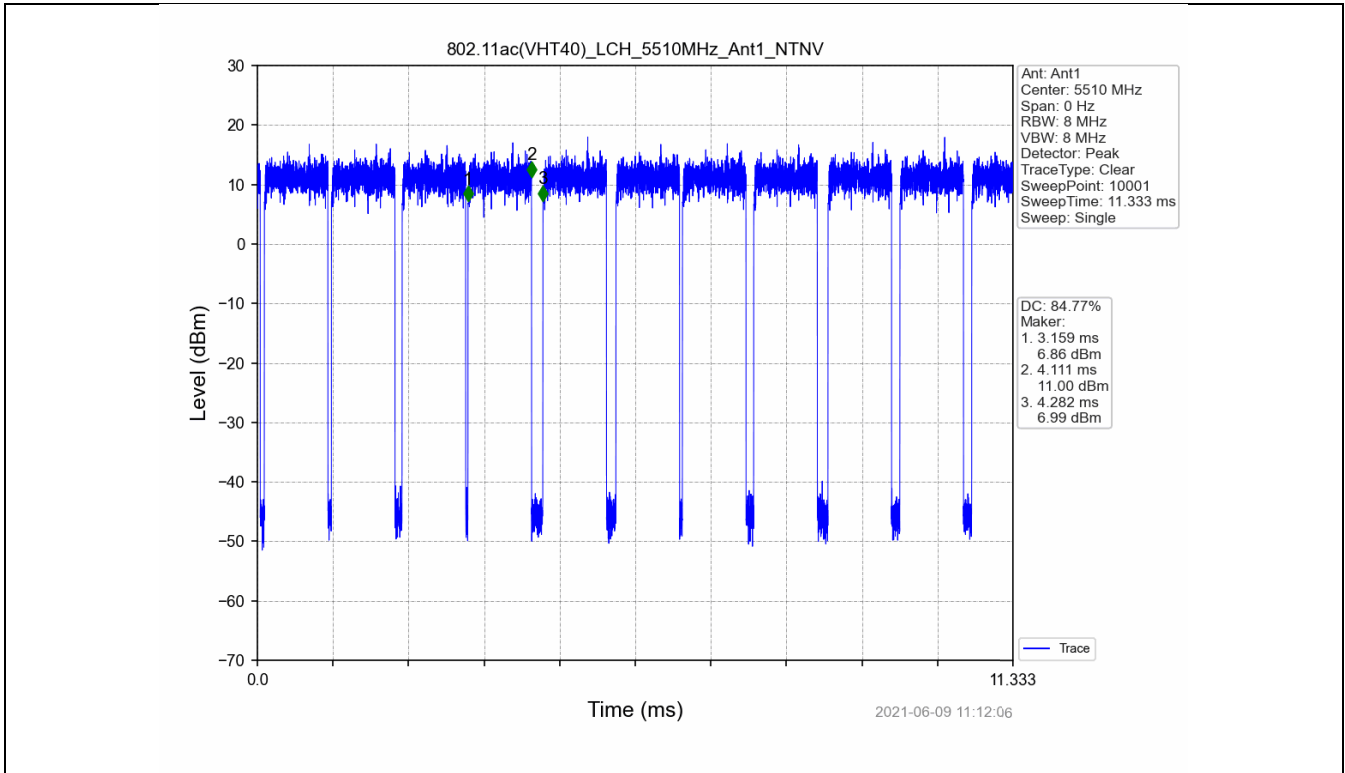
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



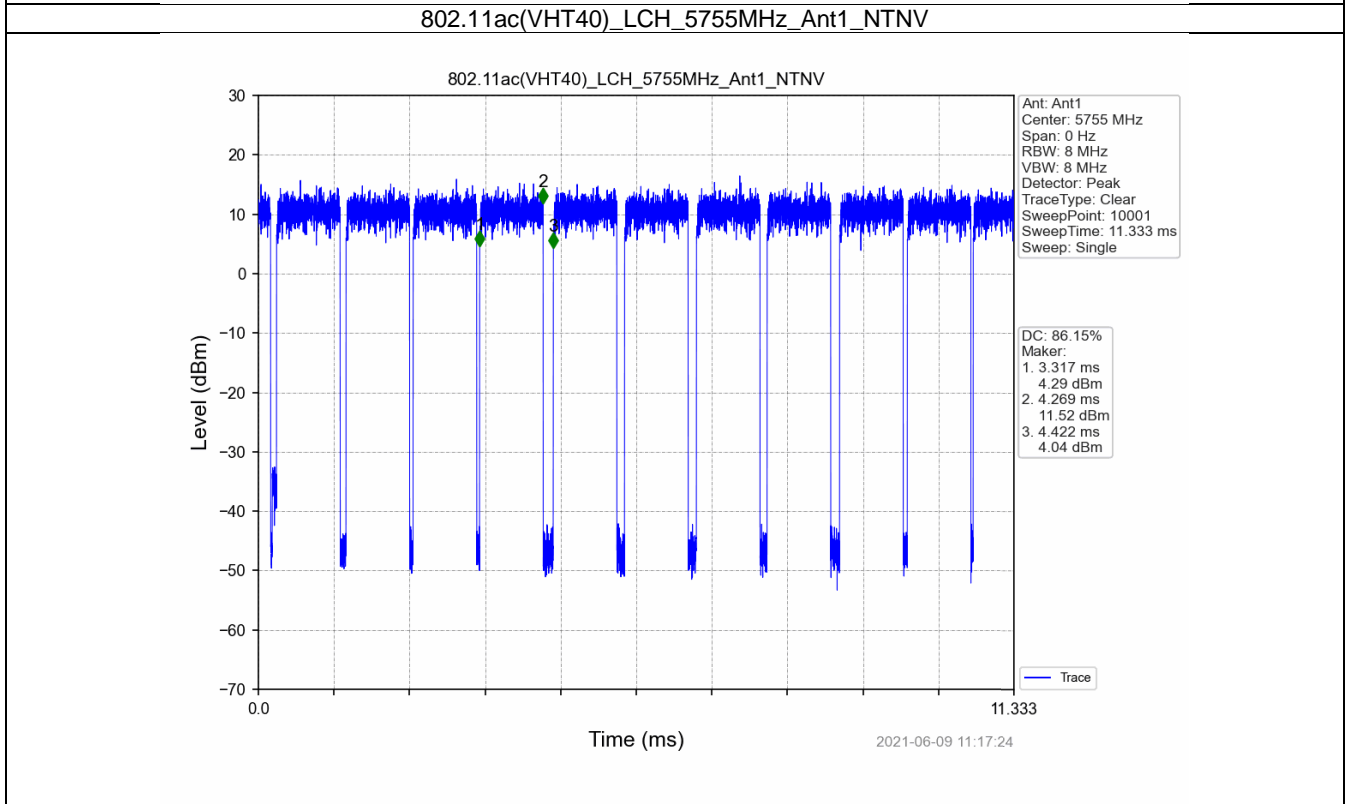
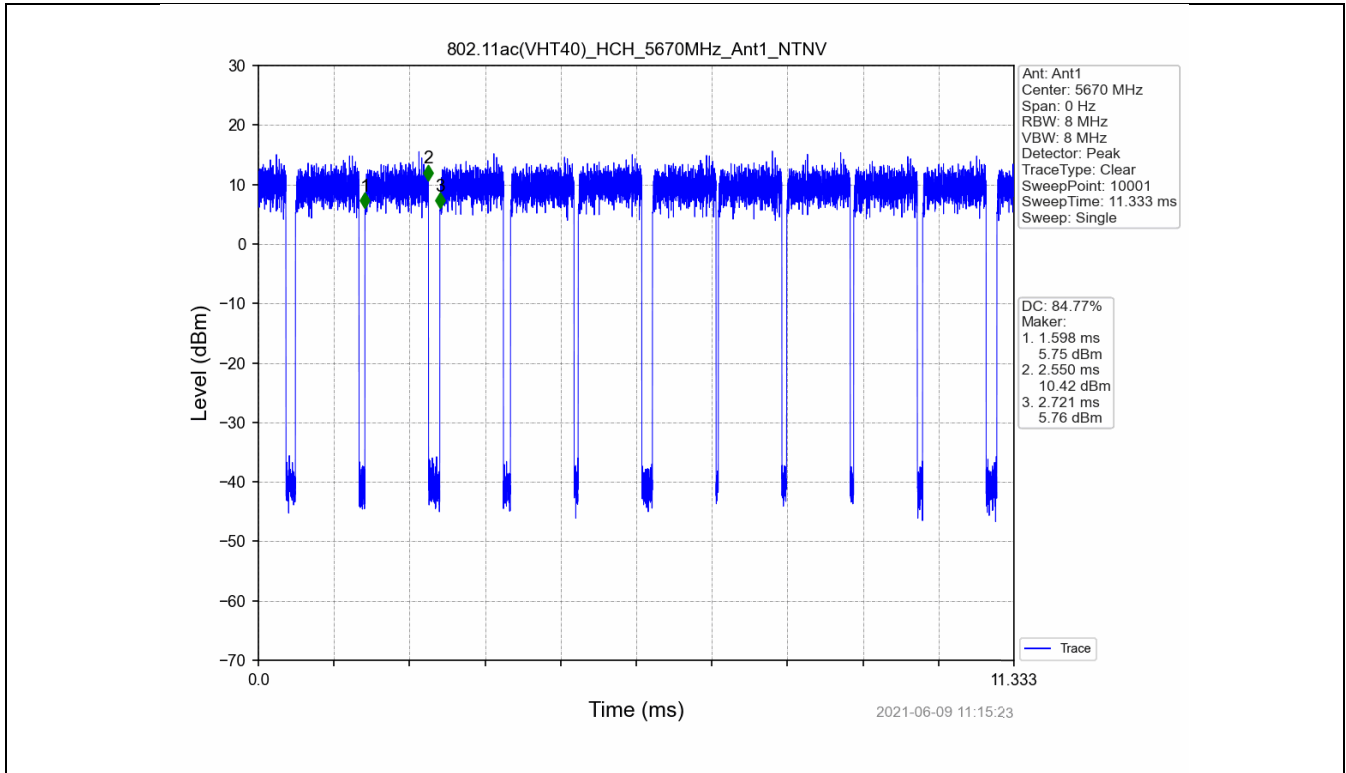
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



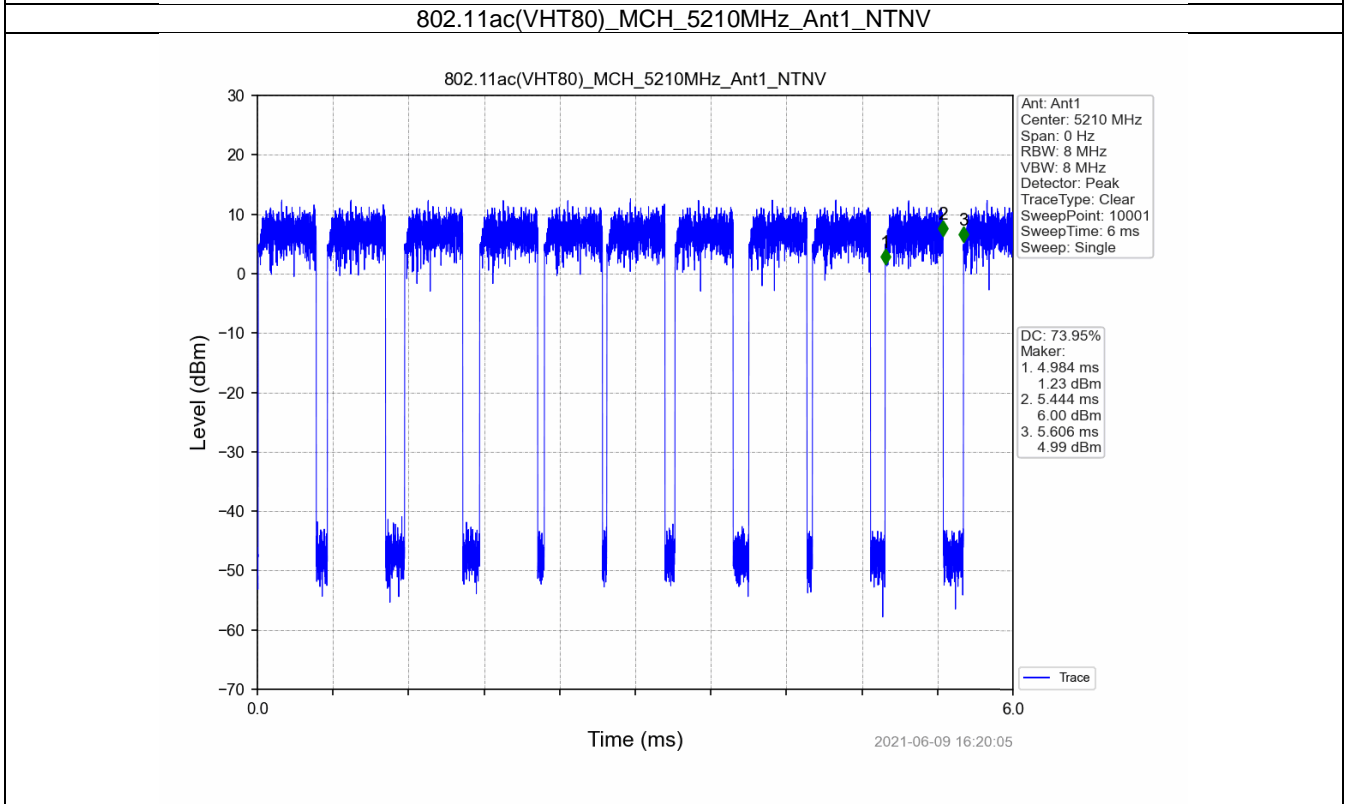
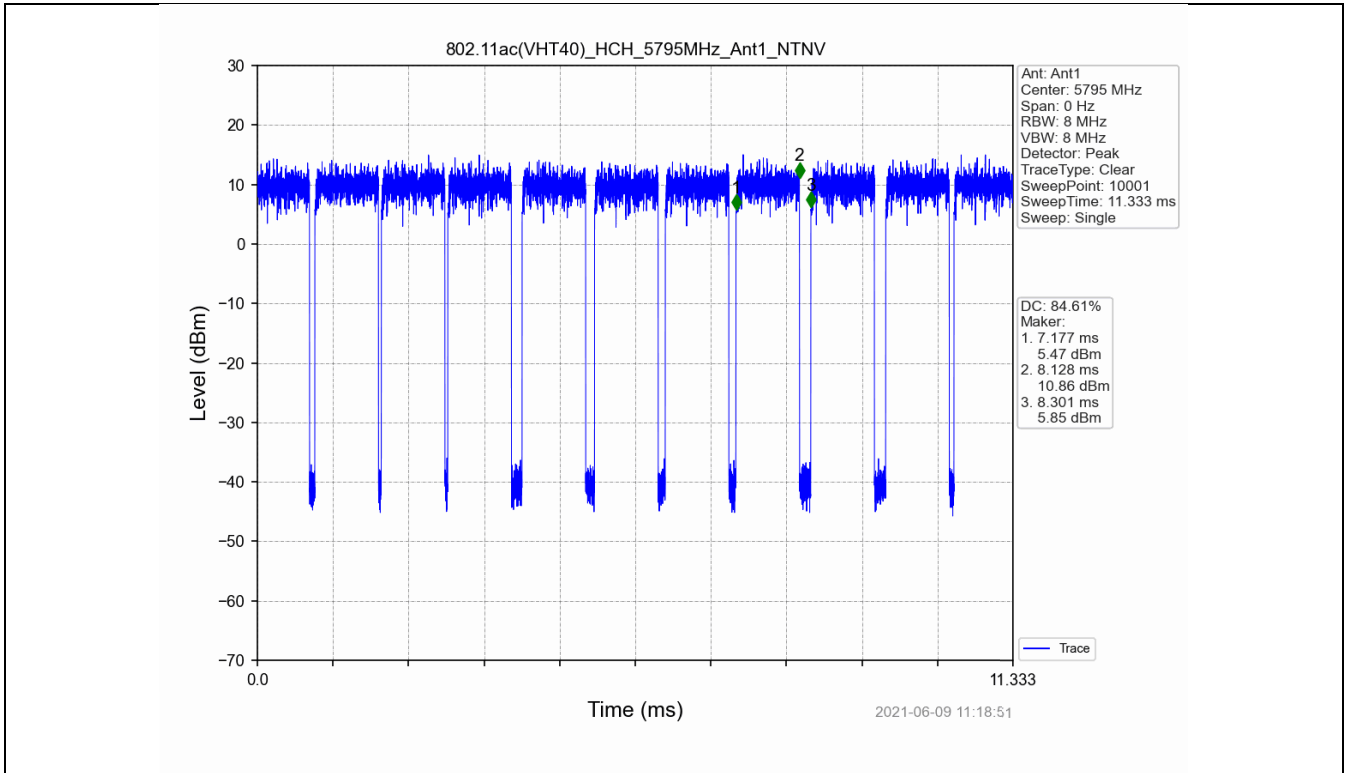
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



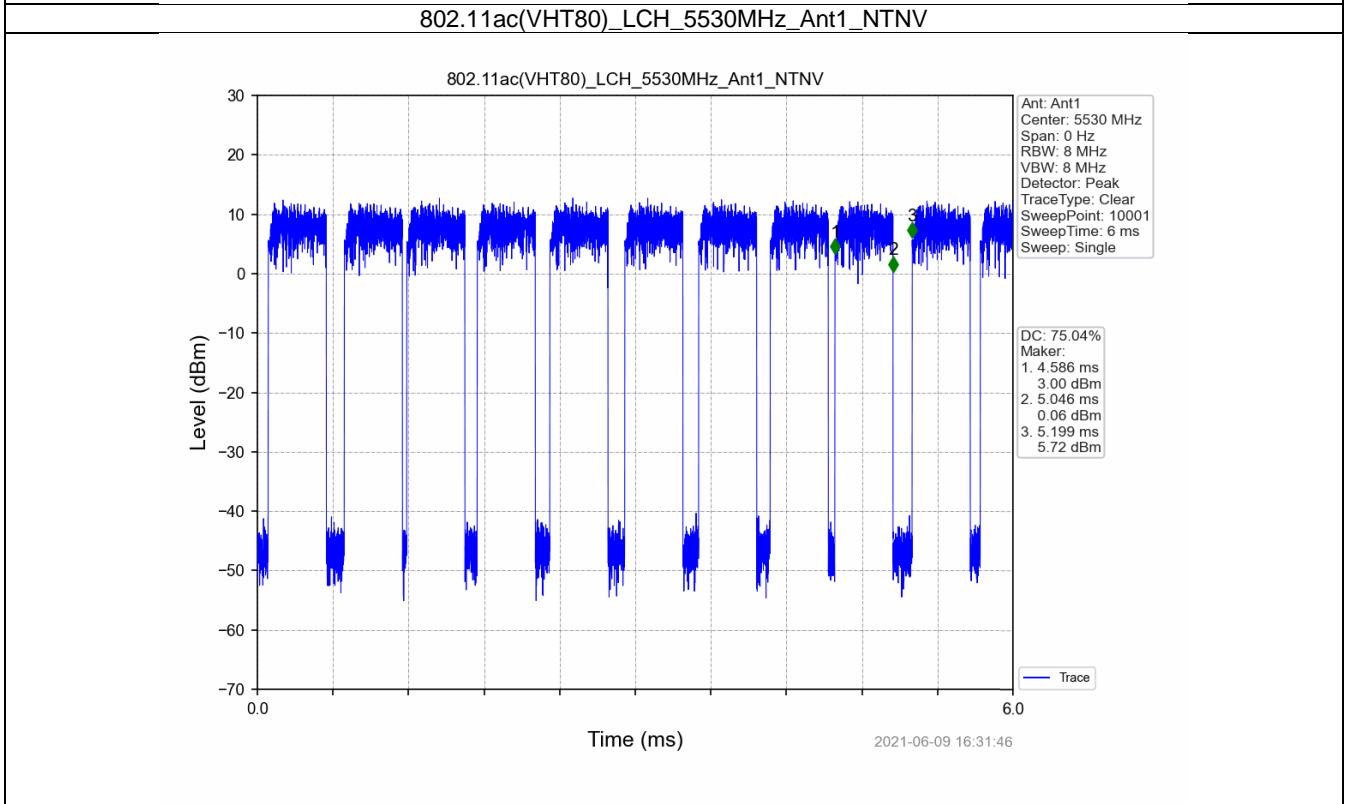
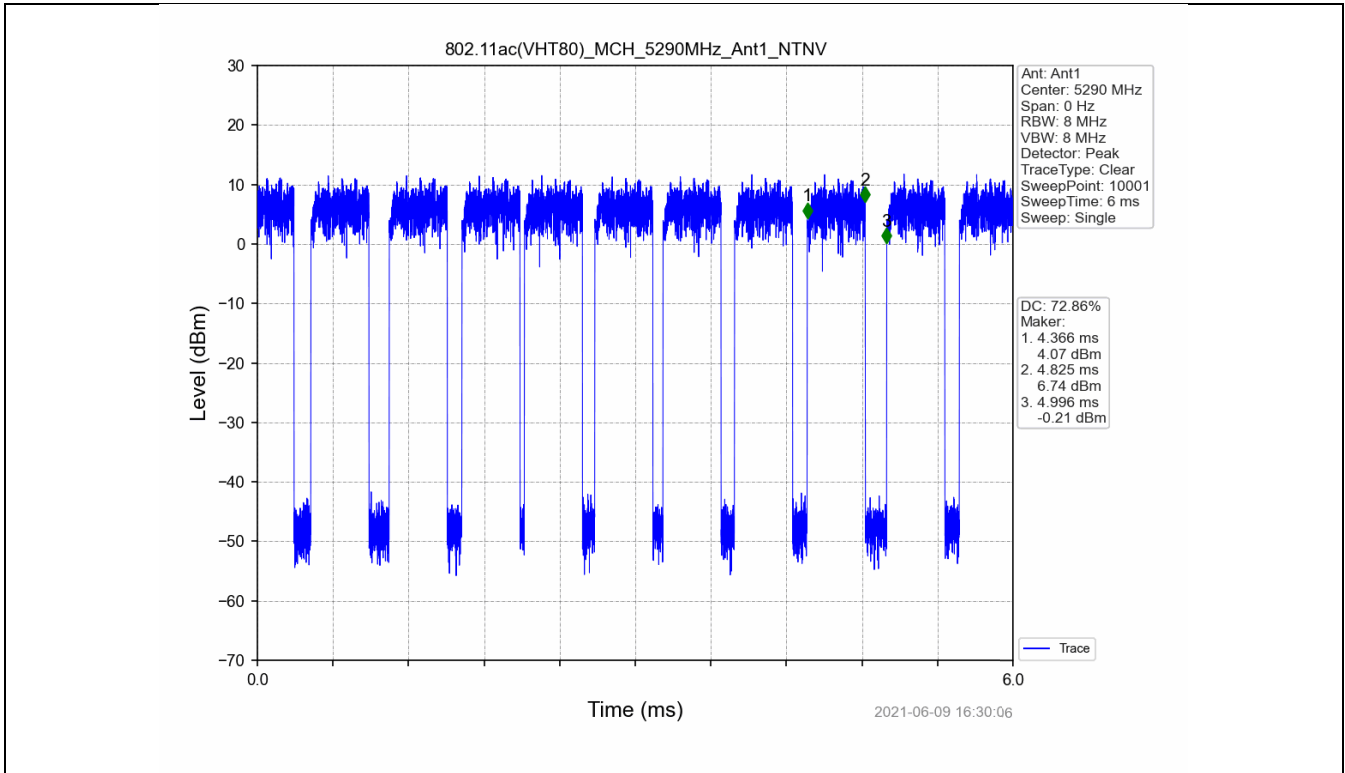
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



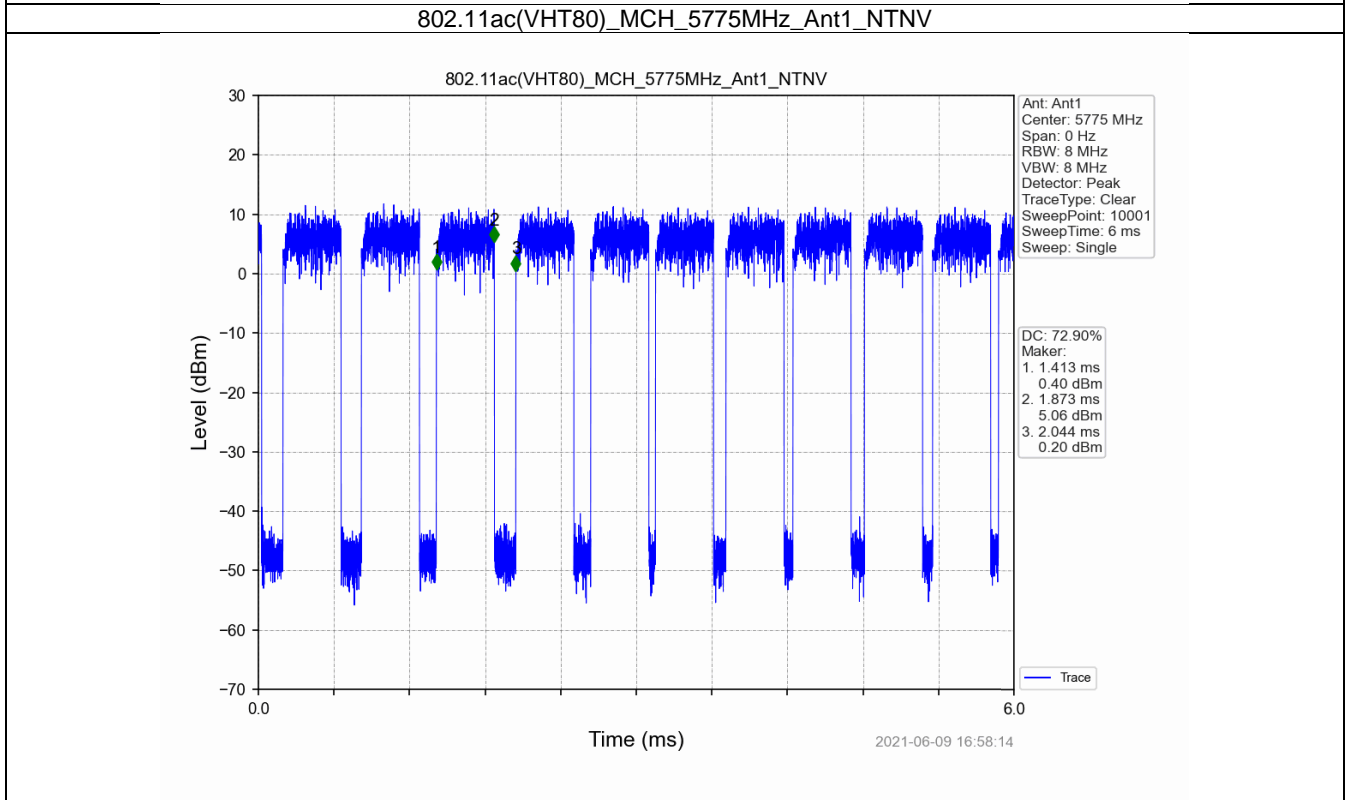
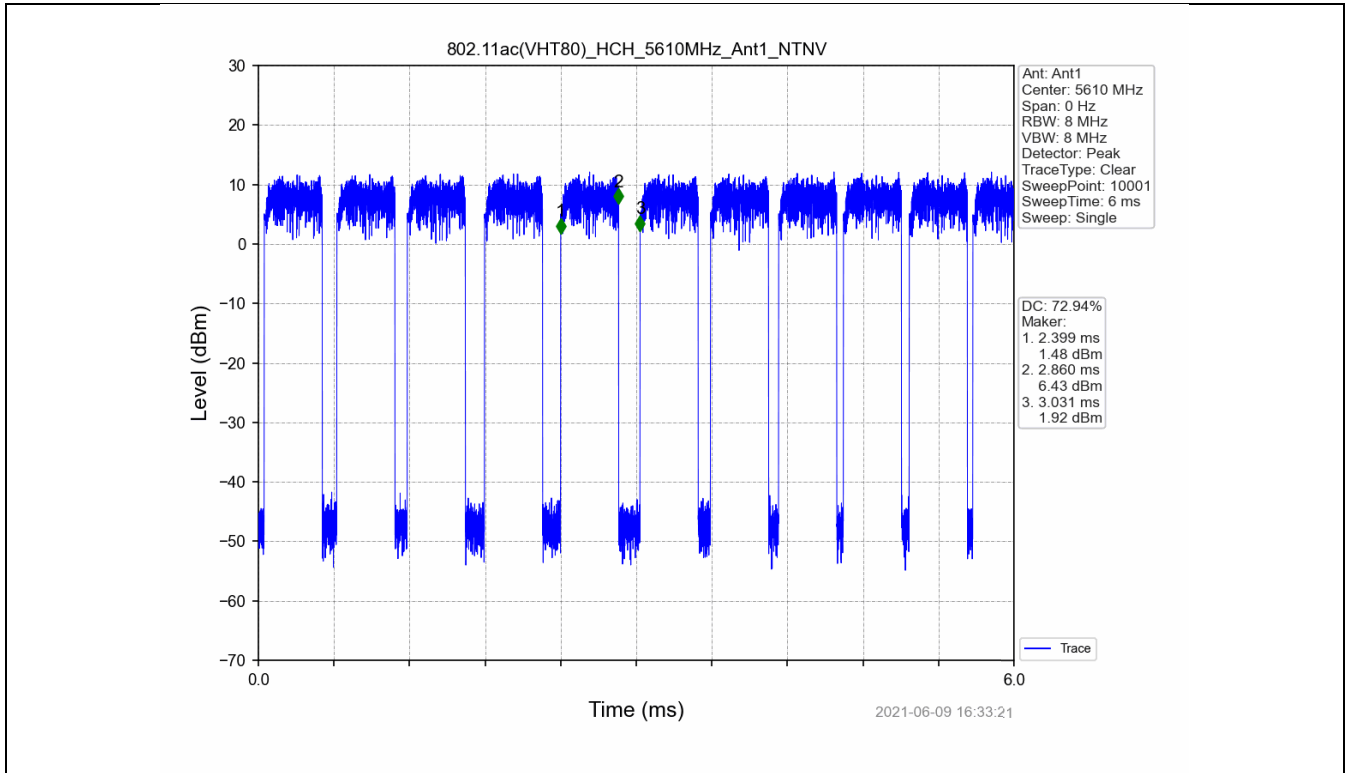
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



2. Bandwidth

2.1 OBW

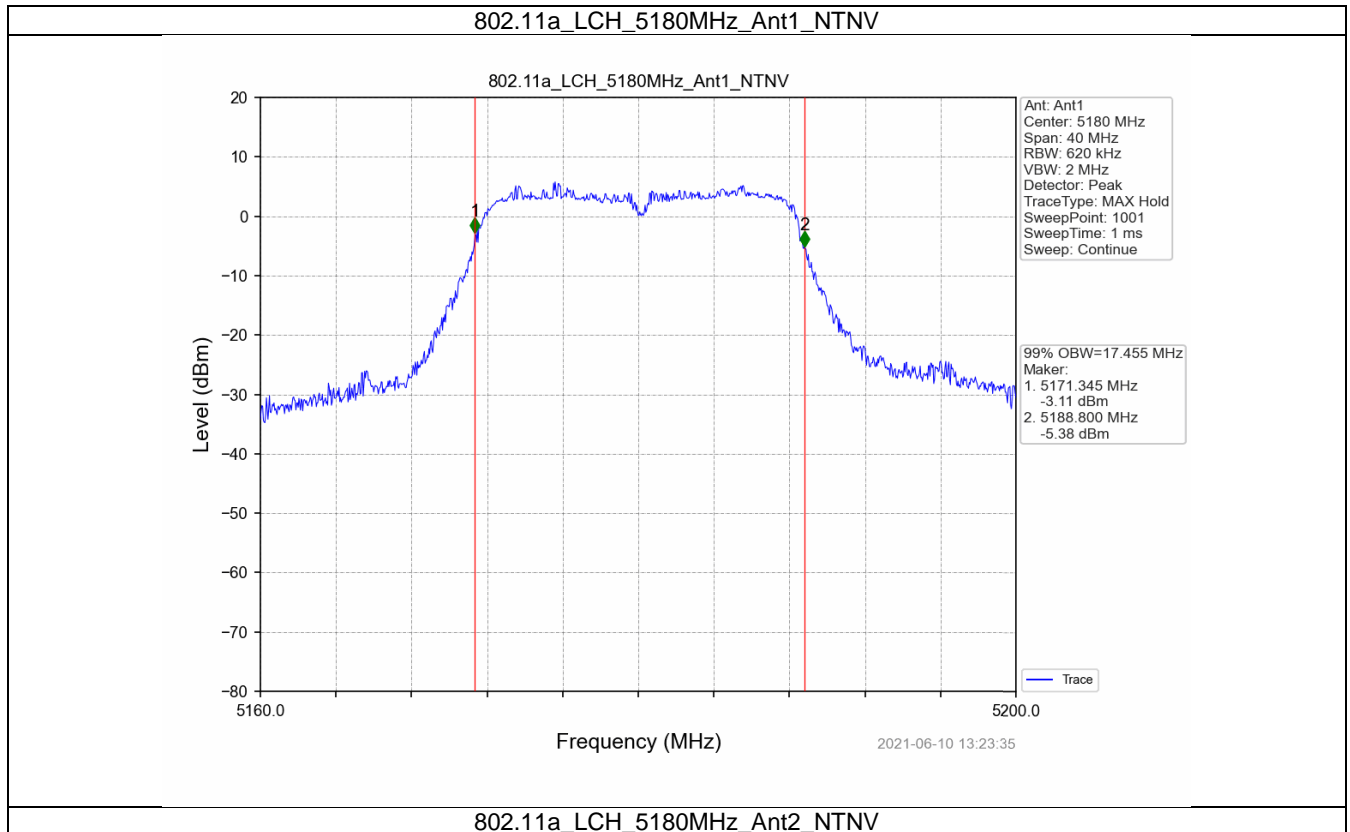
2.1.1 Test Result

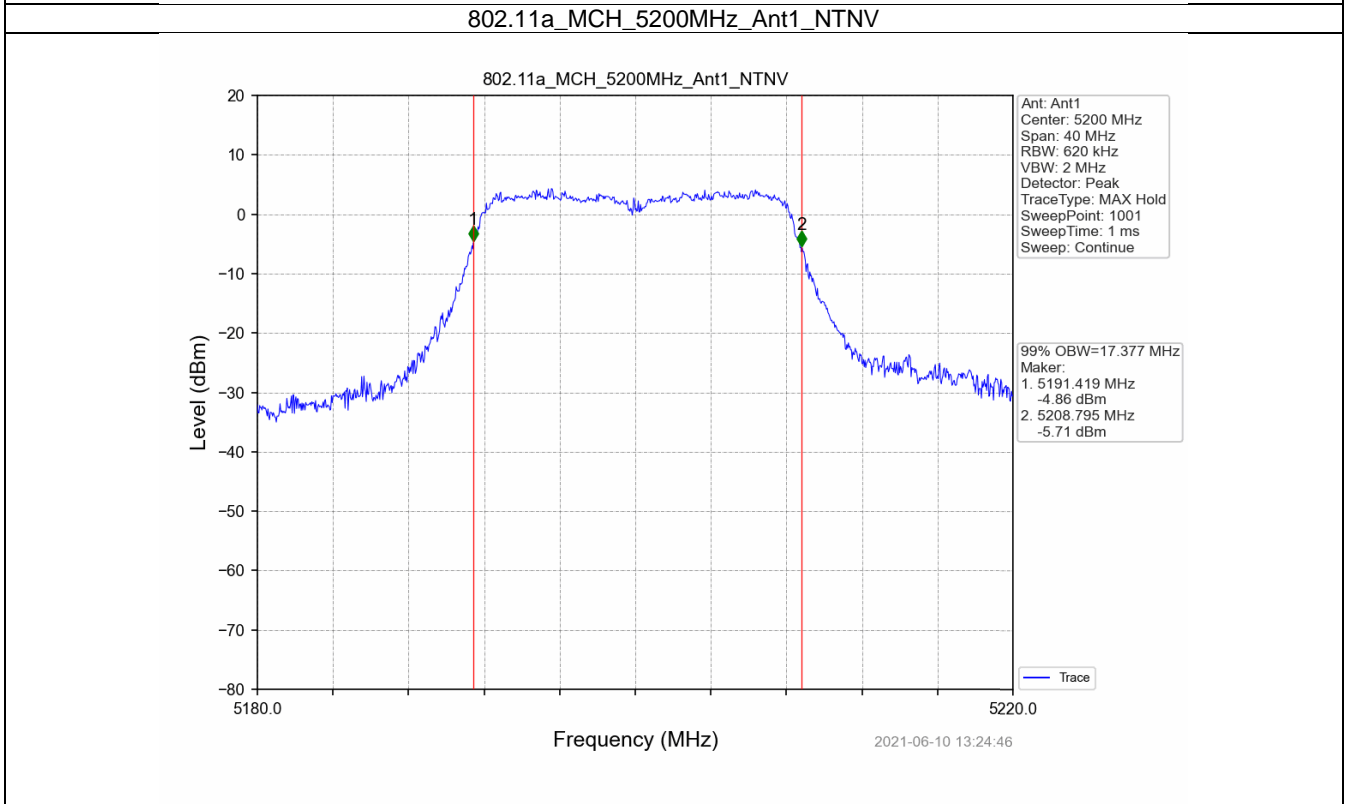
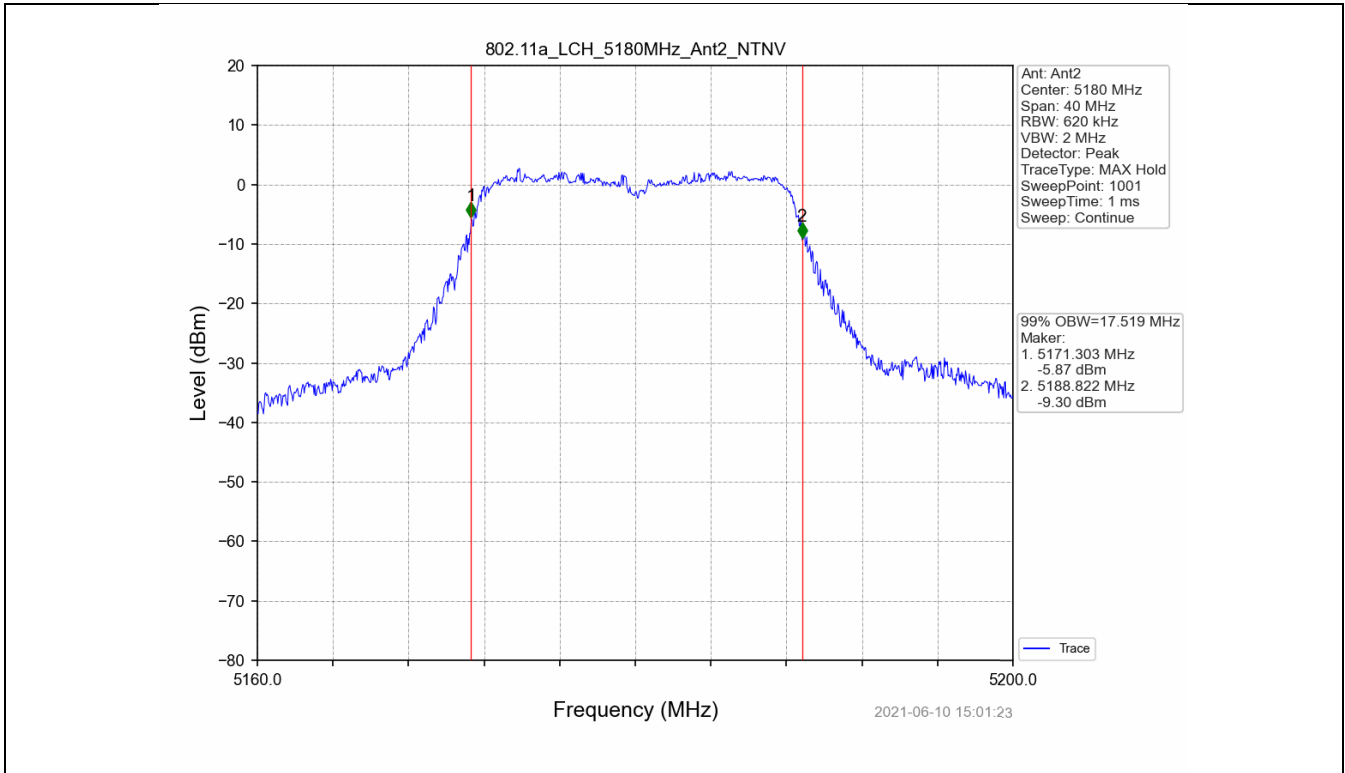
Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)		Limit (MHz)	Verdict
					Ant1	Ant2		
802.11a	SISO	5180	/	/	17.455	17.519	/	Note1
		5200	/	/	17.377	17.498	/	Note1
		5240	/	/	17.320	17.371	/	Note1
		5260	/	/	17.543	17.373	/	Note1
		5300	/	/	17.288	17.276	/	Note1
		5320	/	/	17.347	17.296	/	Note1
		5500	/	/	17.407	17.497	/	Note1
		5580	/	/	17.343	17.545	/	Note1
		5700	/	/	17.196	17.344	/	Note1
		5745	/	/	17.208	17.360	/	Note1
		5785	/	/	17.370	17.311	/	Note1
5825	/	/	17.307	17.406	/	Note1		
802.11n (HT20)	MIMO	5180	/	/	18.259	18.323	/	Note1
		5200	/	/	18.323	18.488	/	Note1
		5240	/	/	18.264	18.242	/	Note1
		5260	/	/	18.574	18.566	/	Note1
		5300	/	/	18.300	18.396	/	Note1
		5320	/	/	18.159	18.353	/	Note1
		5500	/	/	18.301	18.261	/	Note1
		5580	/	/	18.159	18.271	/	Note1
		5700	/	/	18.290	18.248	/	Note1
		5745	/	/	18.299	18.288	/	Note1
		5785	/	/	18.195	18.294	/	Note1
5825	/	/	18.328	18.270	/	Note1		
802.11n (HT40)	MIMO	5190	/	/	37.158	37.394	/	Note1
		5230	/	/	36.976	37.086	/	Note1
		5270	/	/	37.375	37.105	/	Note1
		5310	/	/	37.236	37.252	/	Note1
		5510	/	/	37.450	37.817	/	Note1
		5550	/	/	37.756	37.308	/	Note1
		5670	/	/	37.605	37.353	/	Note1
		5755	/	/	37.135	37.198	/	Note1
		5795	/	/	37.241	37.166	/	Note1
802.11ac (VHT20)	MIMO	5180	/	/	18.334	18.234	/	Note1
		5200	/	/	18.322	18.137	/	Note1
		5240	/	/	18.307	18.341	/	Note1
		5260	/	/	18.432	18.279	/	Note1
		5300	/	/	18.350	18.314	/	Note1
		5320	/	/	18.267	18.405	/	Note1
		5500	/	/	18.334	18.361	/	Note1
		5580	/	/	18.146	18.460	/	Note1
		5700	/	/	18.316	18.452	/	Note1
		5745	/	/	18.208	18.281	/	Note1
		5785	/	/	18.344	18.381	/	Note1
5825	/	/	18.190	18.372	/	Note1		
802.11ac (VHT40)	MIMO	5190	/	/	37.127	37.285	/	Note1
		5230	/	/	37.144	37.415	/	Note1

		5270	/	/	37.078	37.277	/	Note1
		5310	/	/	37.219	36.897	/	Note1
		5510	/	/	37.367	37.316	/	Note1
		5550	/	/	37.278	37.152	/	Note1
		5670	/	/	37.107	37.006	/	Note1
		5755	/	/	37.182	36.910	/	Note1
		5795	/	/	37.160	37.082	/	Note1
802.11ac (VHT80)	MIMO	5210	/	/	75.925	76.166	/	Note1
		5290	/	/	76.177	76.341	/	Note1
		5530	/	/	76.032	76.472	/	Note1
		5610	/	/	76.302	76.123	/	Note1
		5775	/	/	76.376	76.187	/	Note1

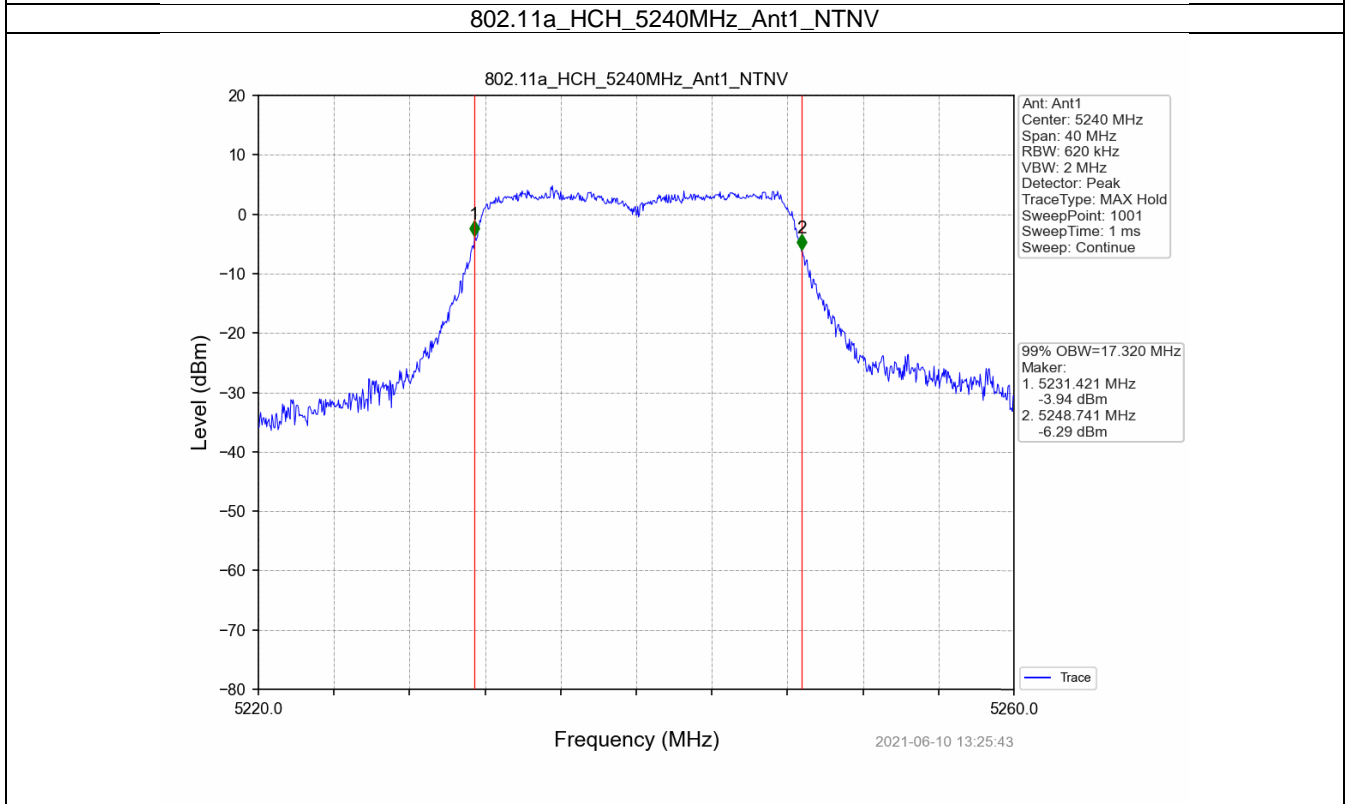
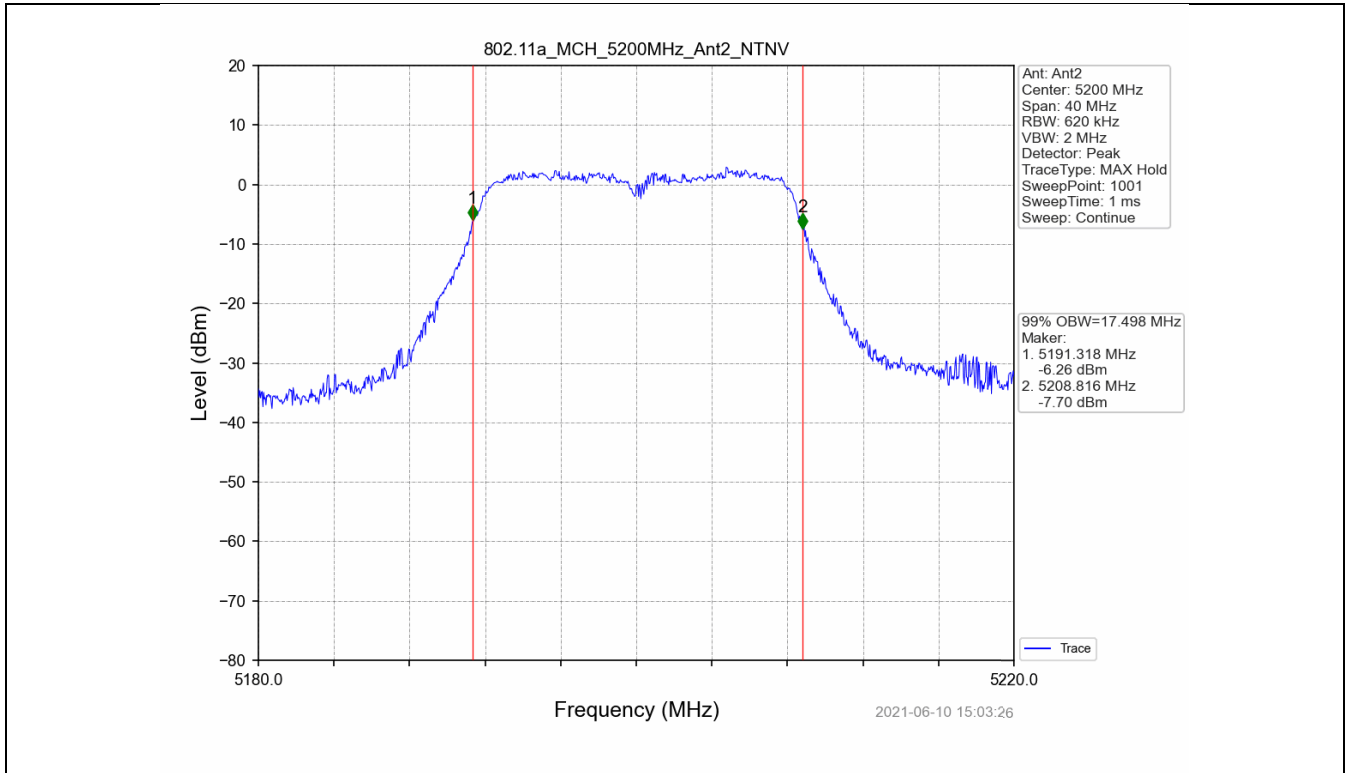
Note1: Only for Report Use

2.1.2 Test Graph

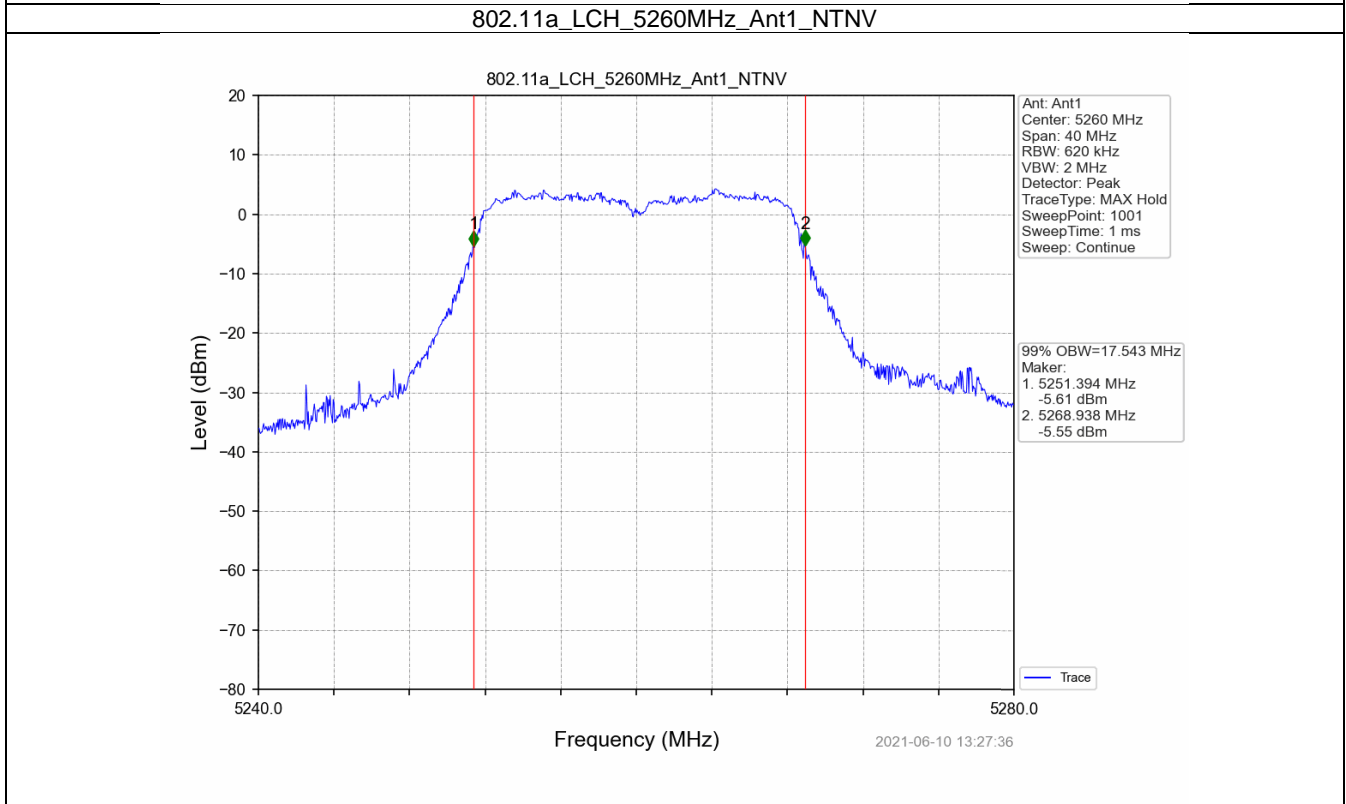
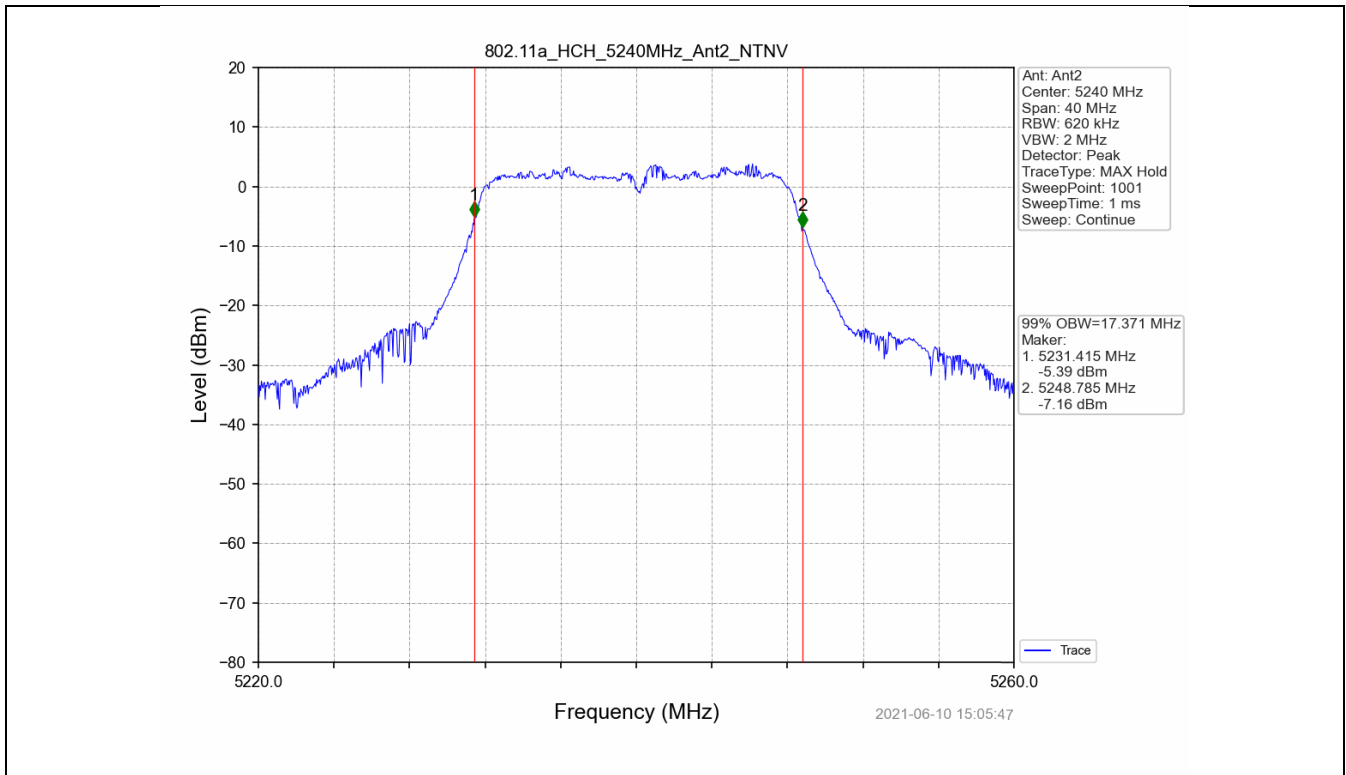




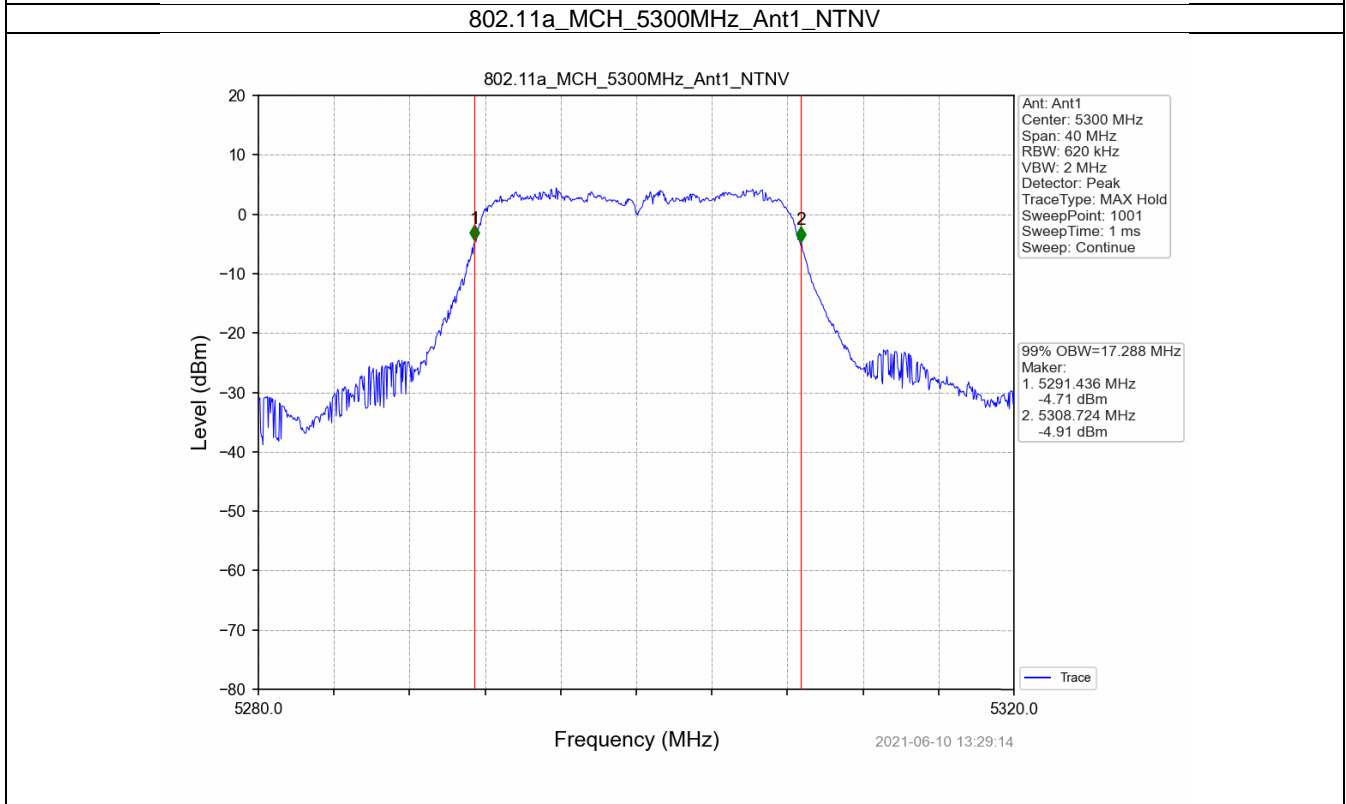
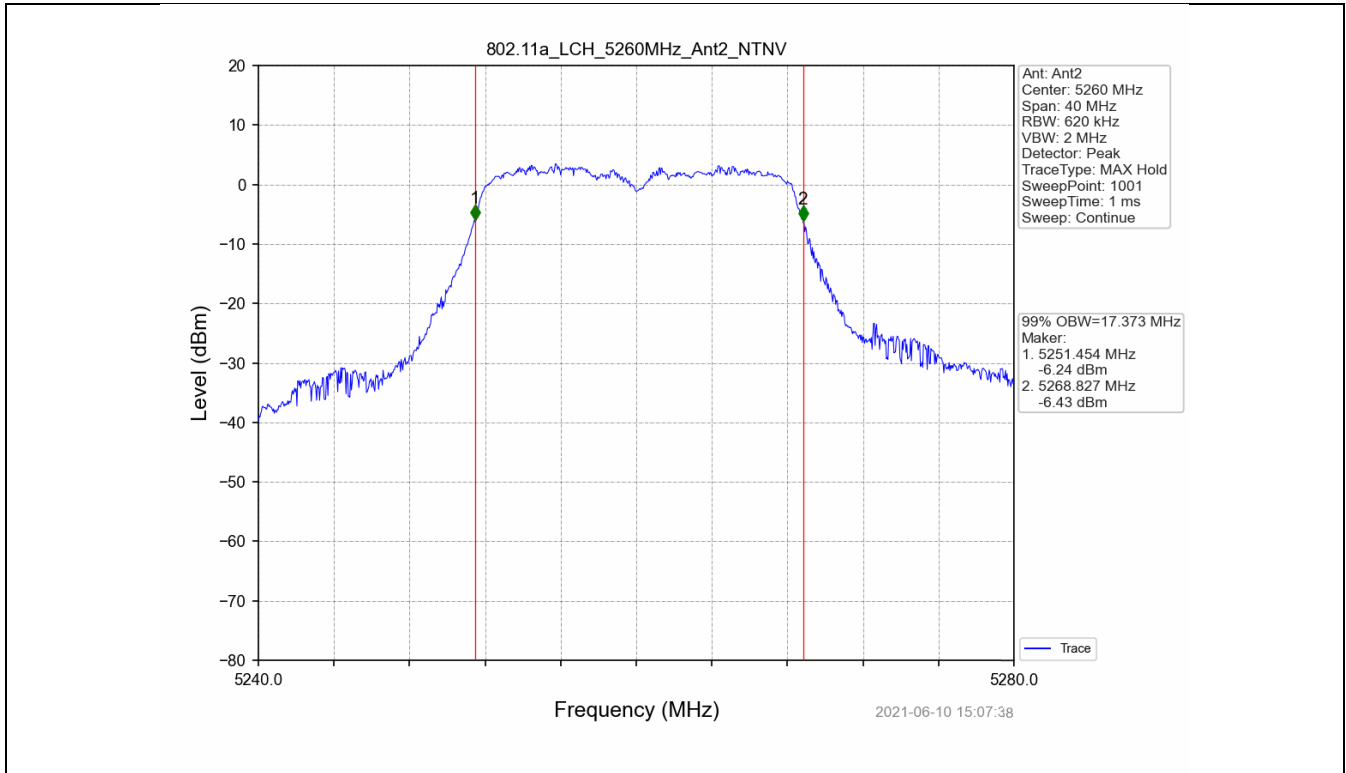
802.11a_MCH_5200MHz_Ant2_NTNV



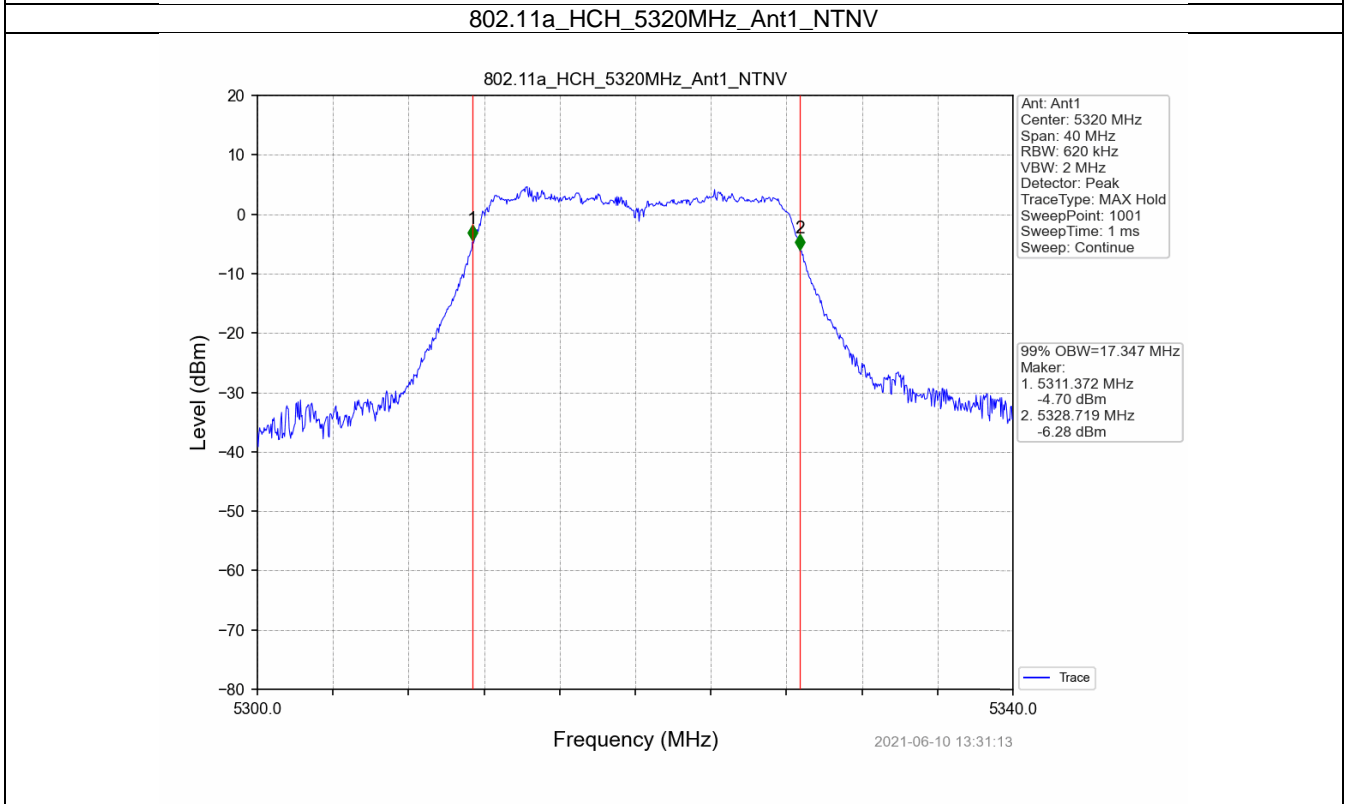
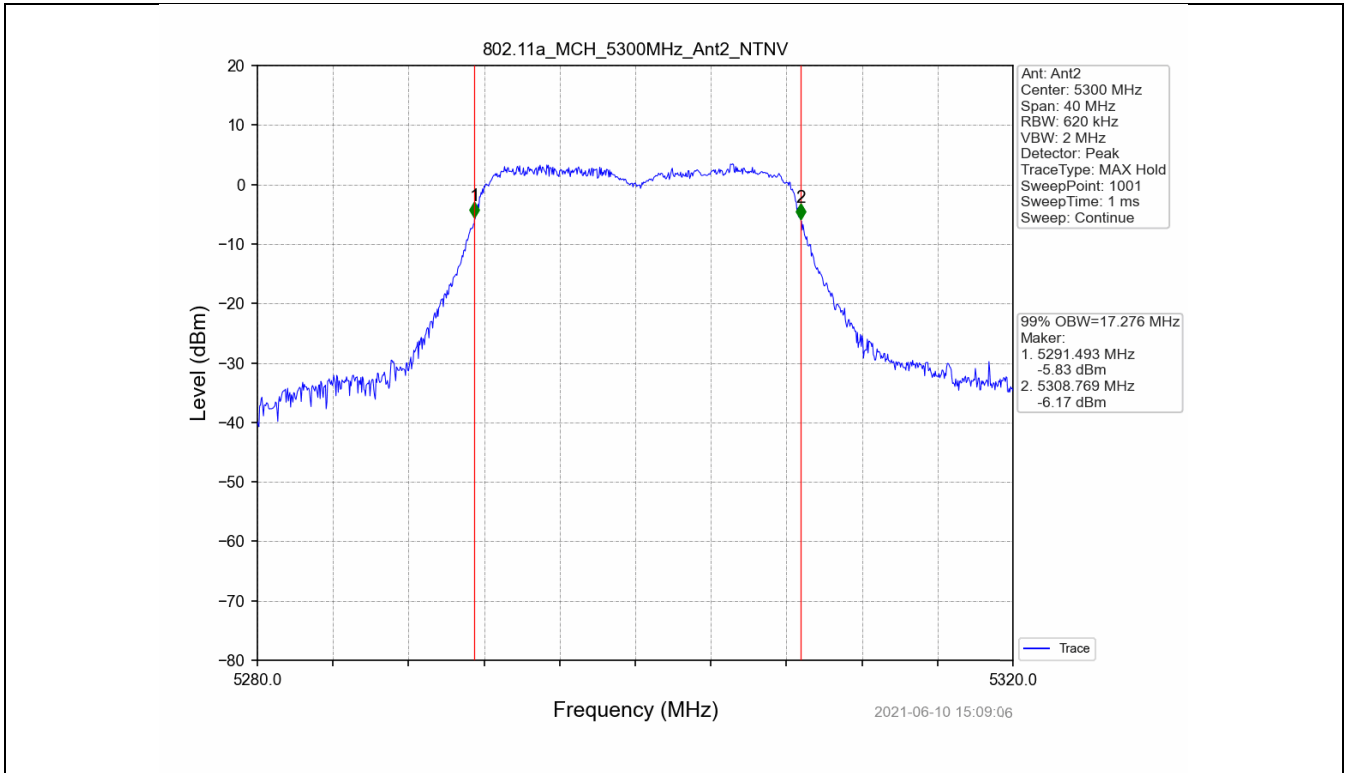
802.11a_HCH_5240MHz_Ant2_NTNV



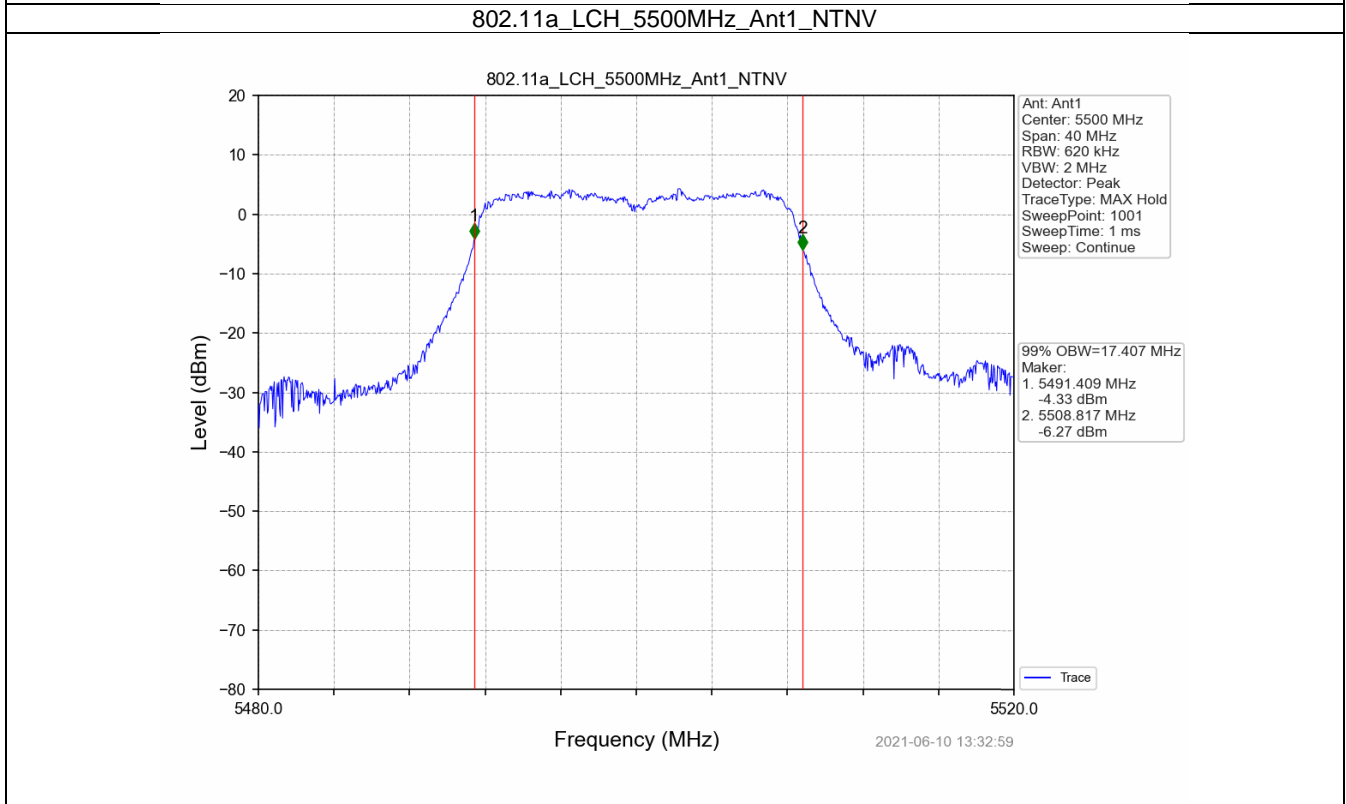
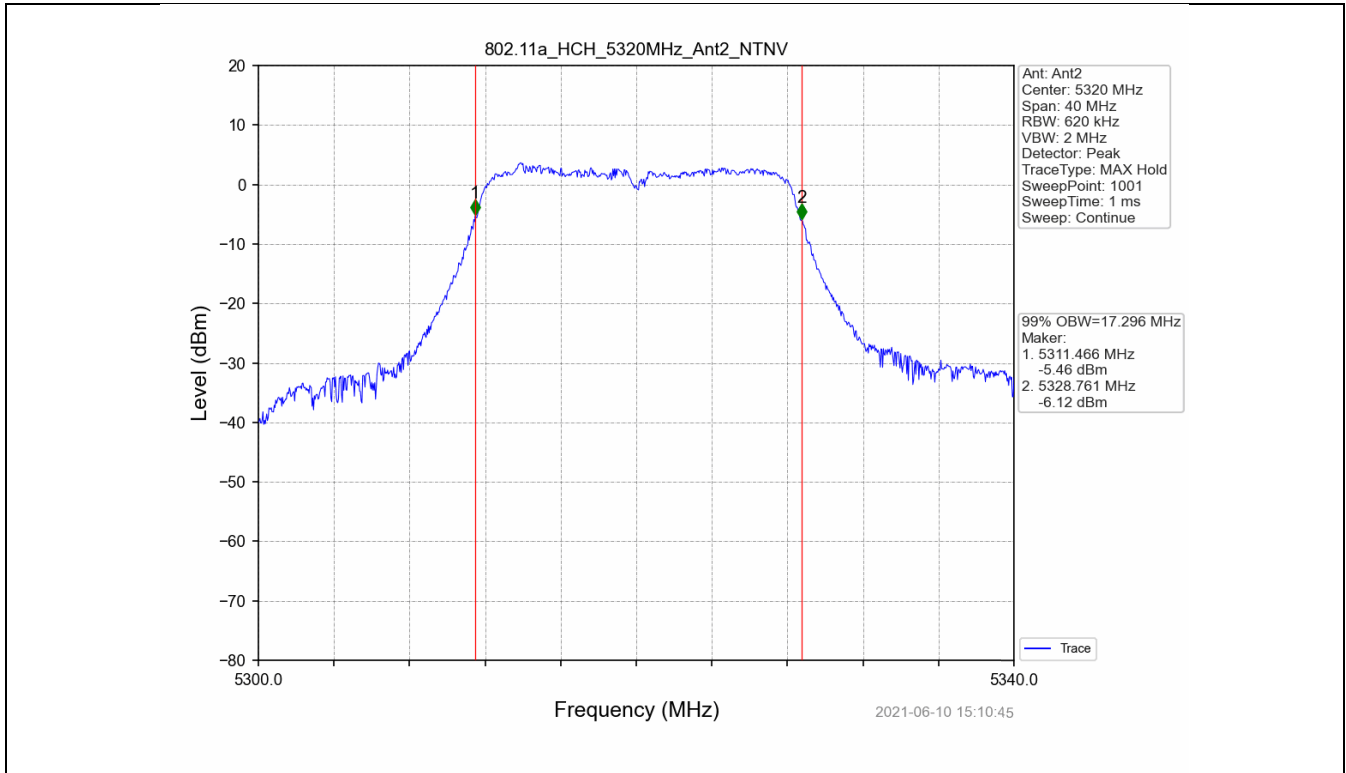
802.11a_LCH_5260MHz_Ant2_NTNV



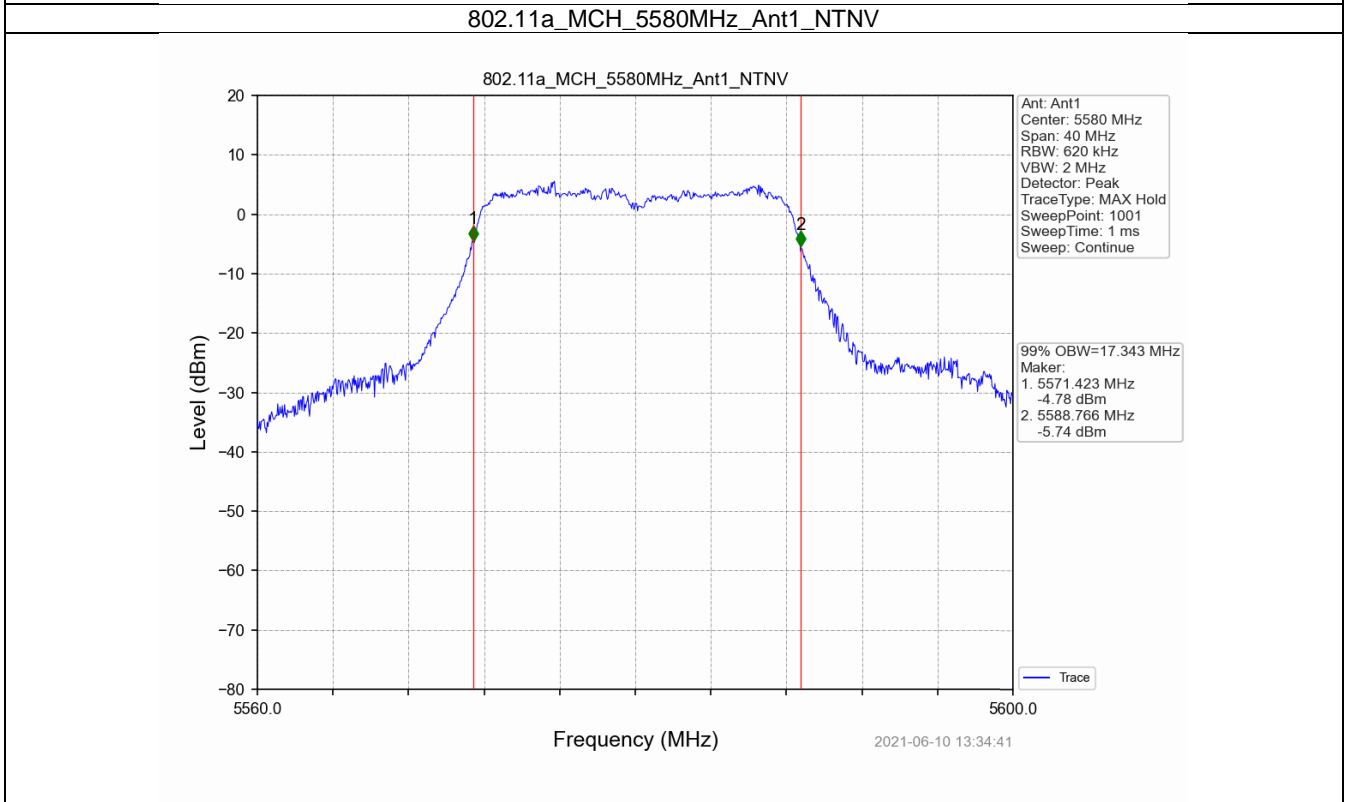
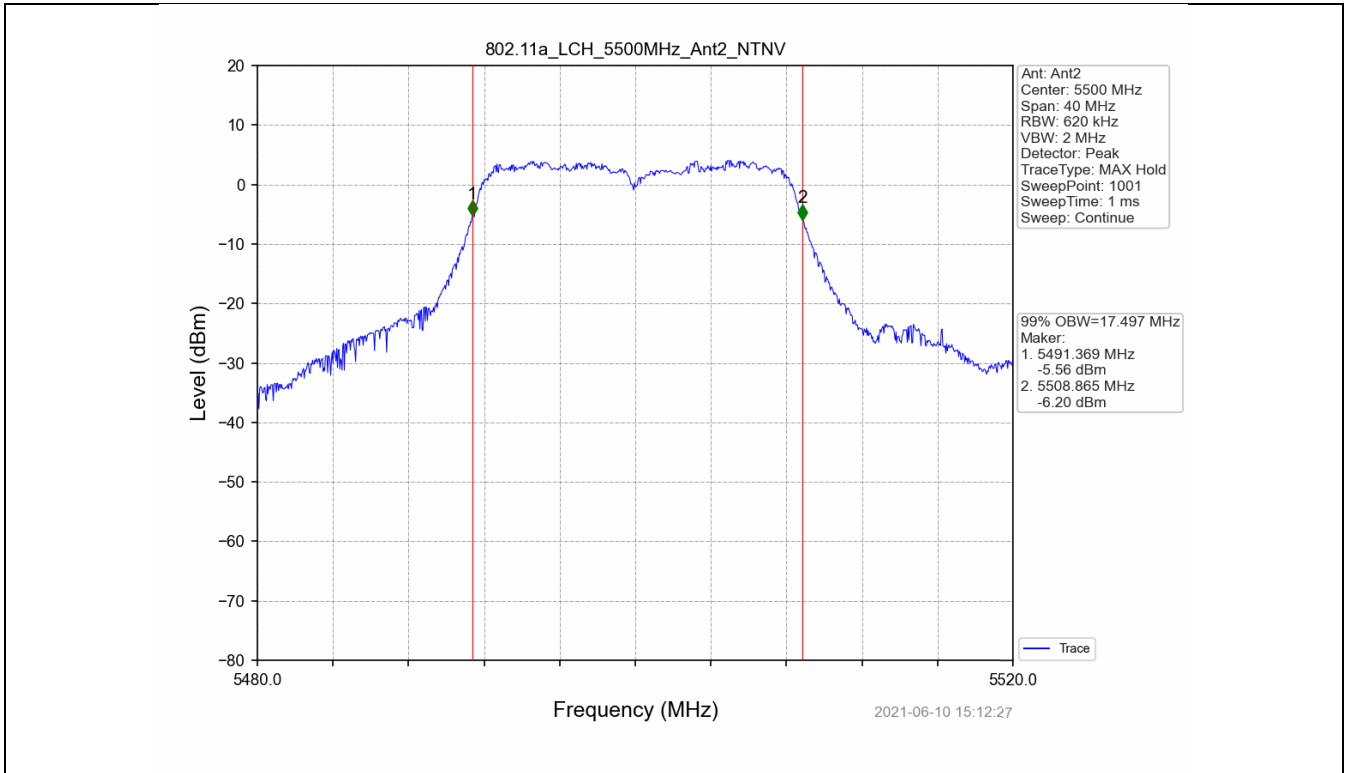
802.11a_MCH_5300MHz_Ant2_NTNV



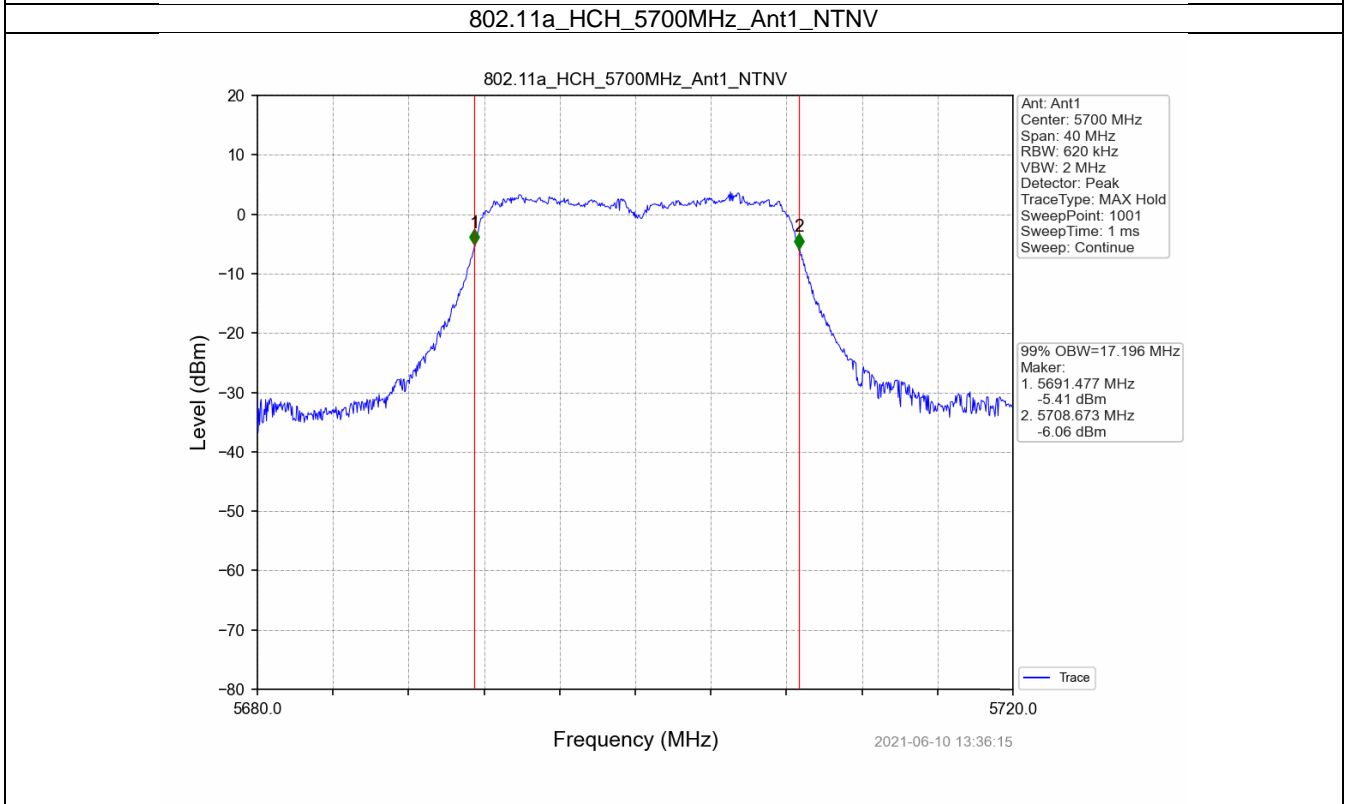
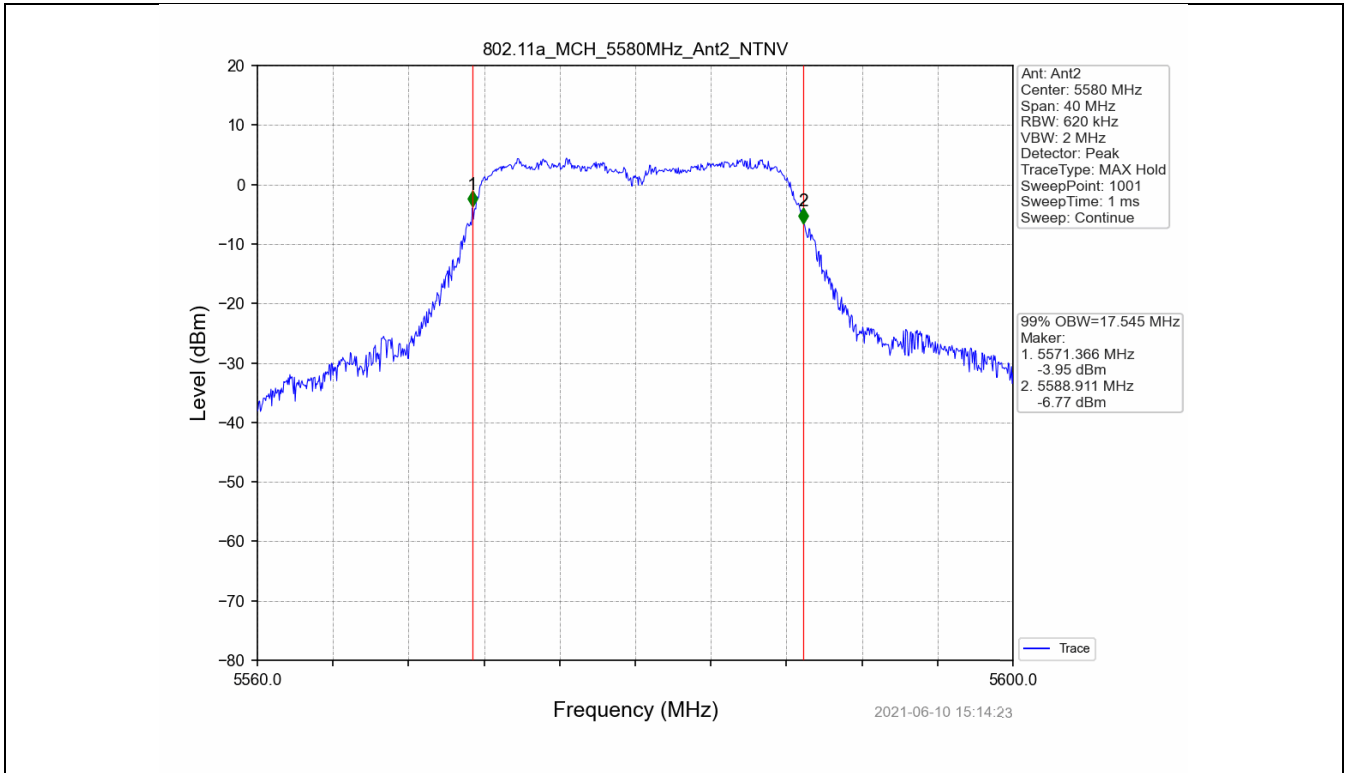
802.11a_HCH_5320MHz_Ant2_NTNV



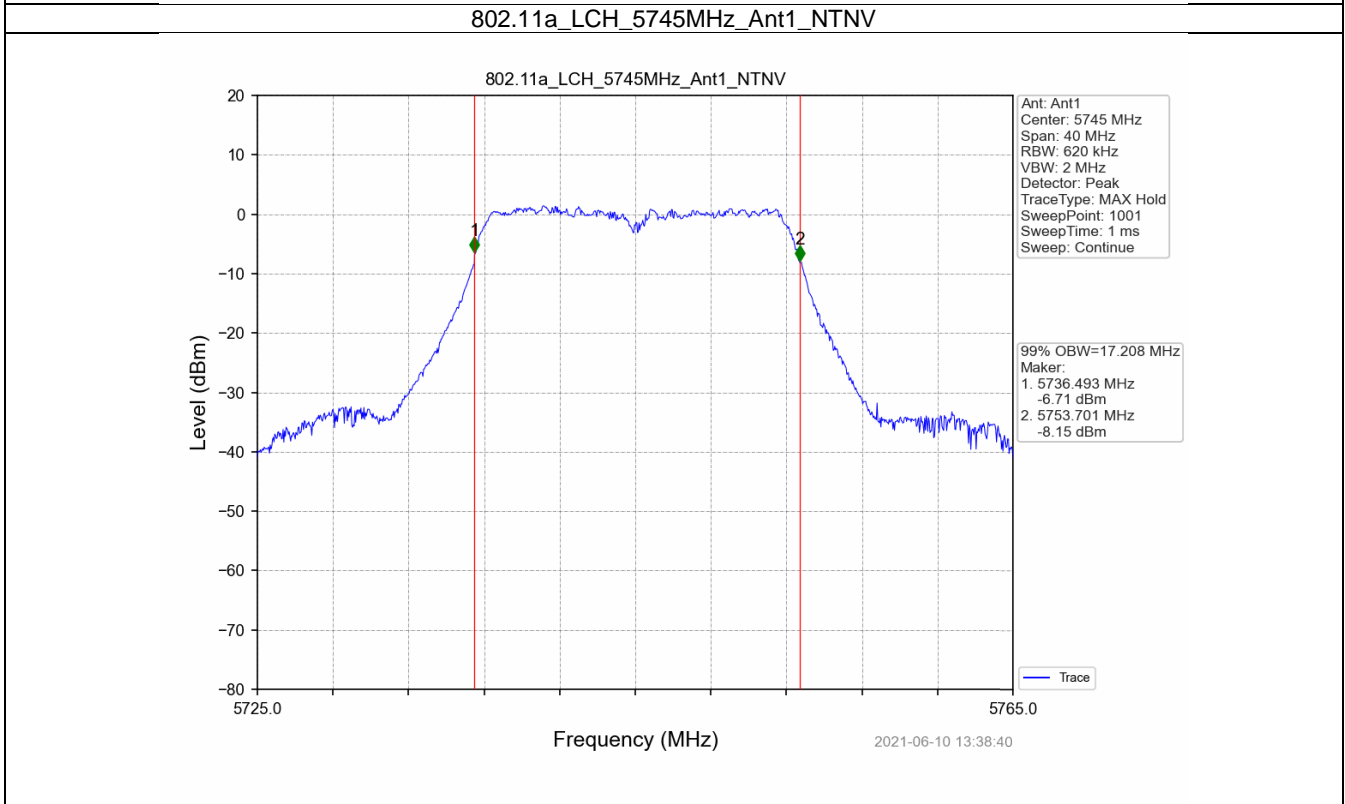
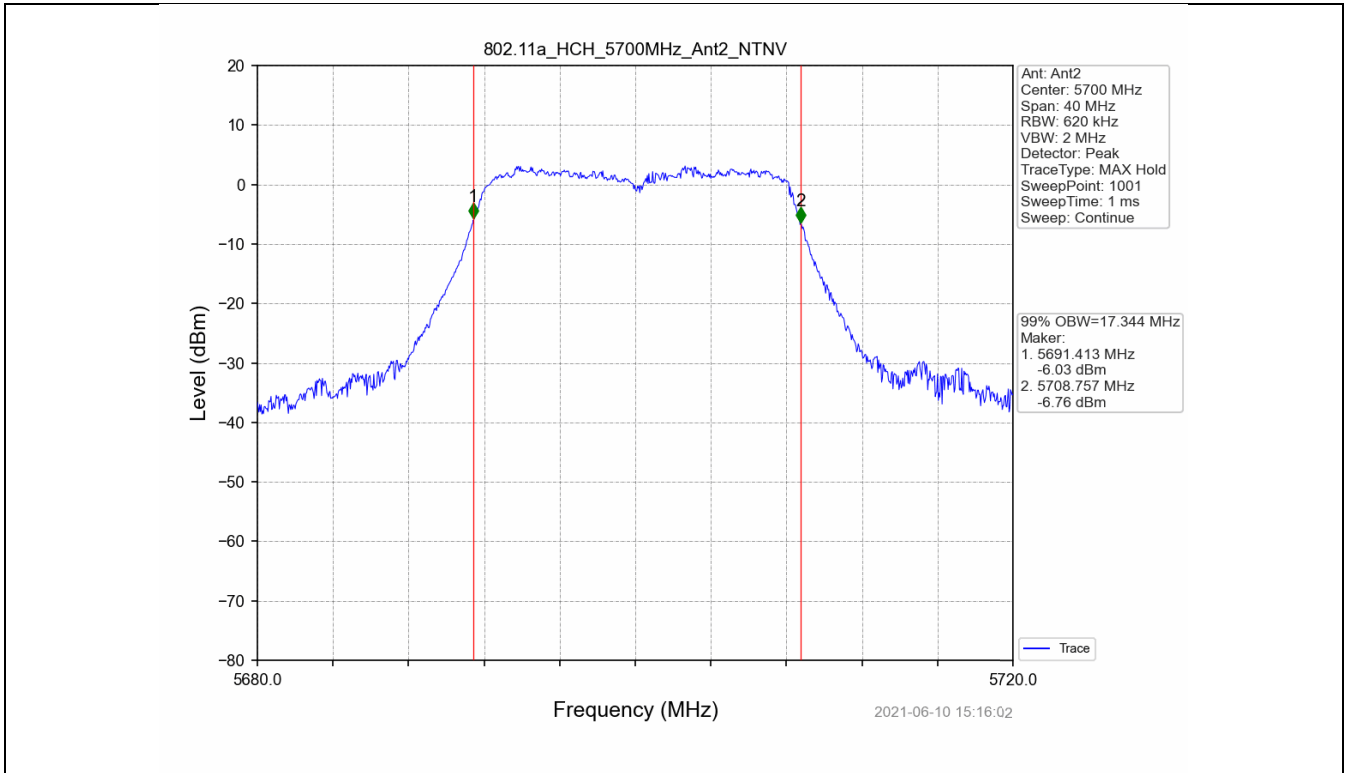
802.11a_LCH_5500MHz_Ant2_NTNV



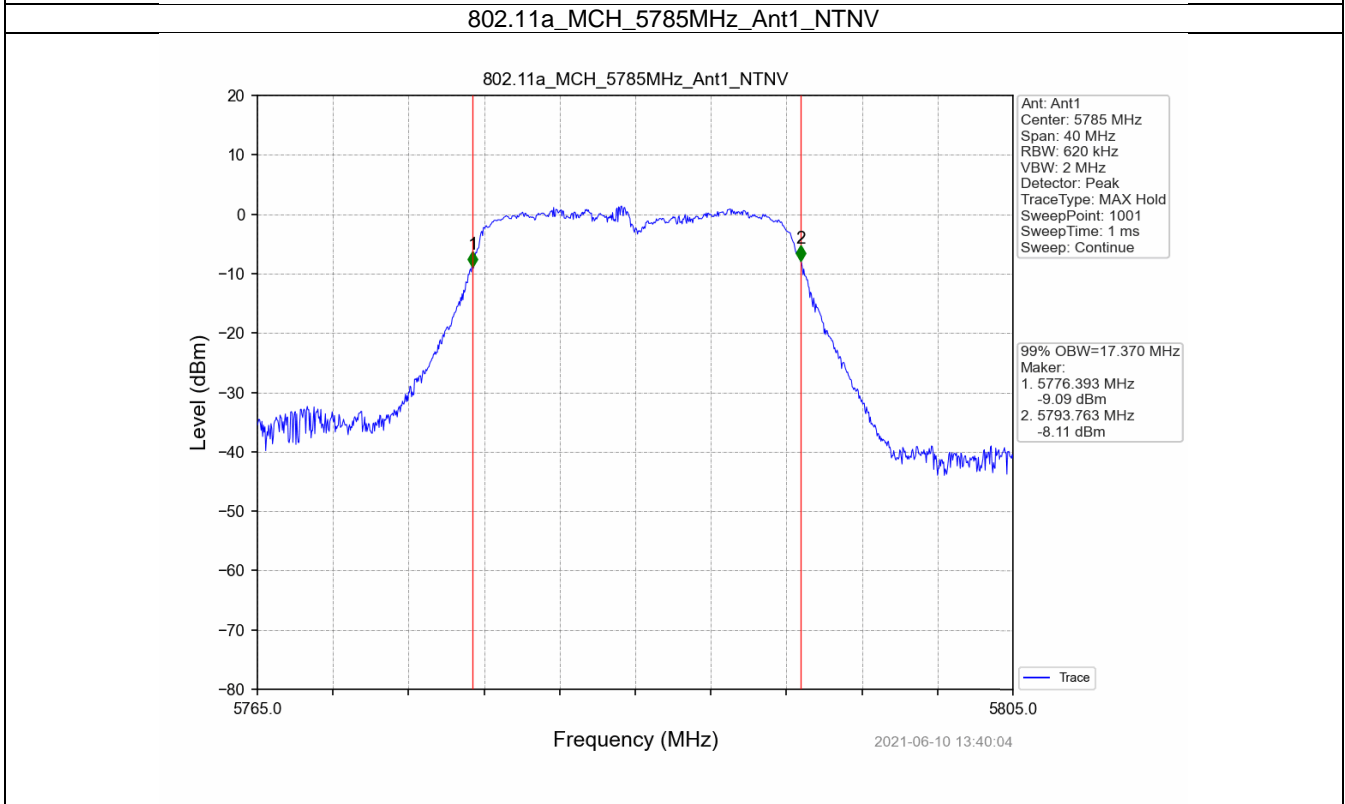
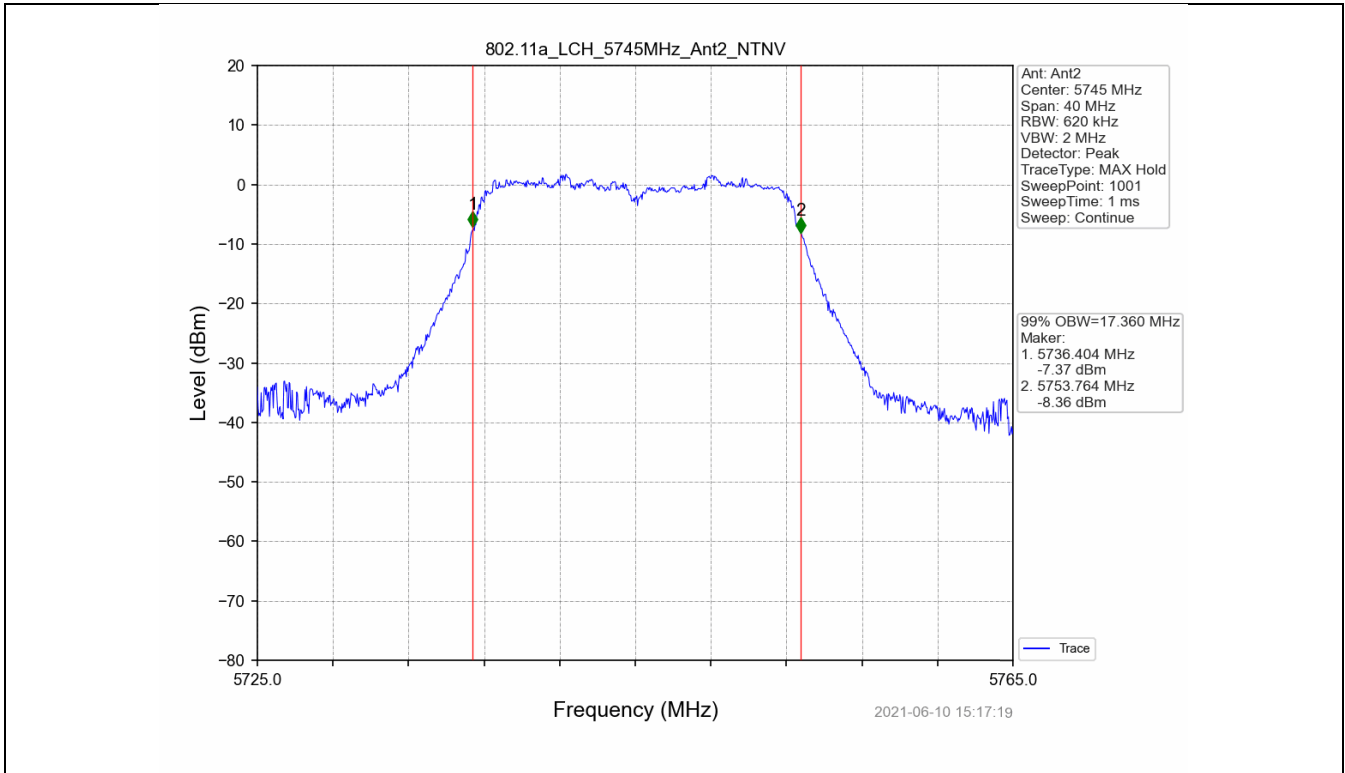
802.11a_MCH_5580MHz_Ant2_NTNV



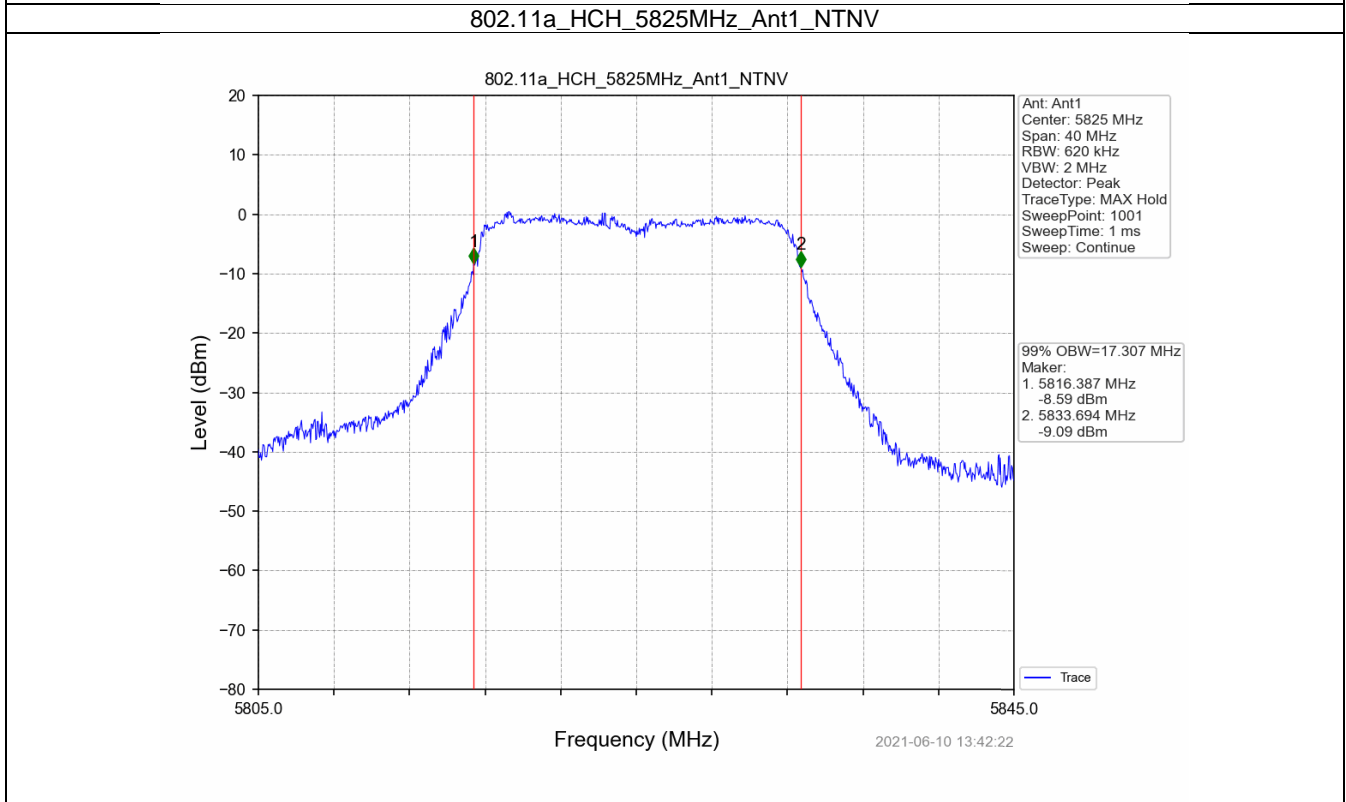
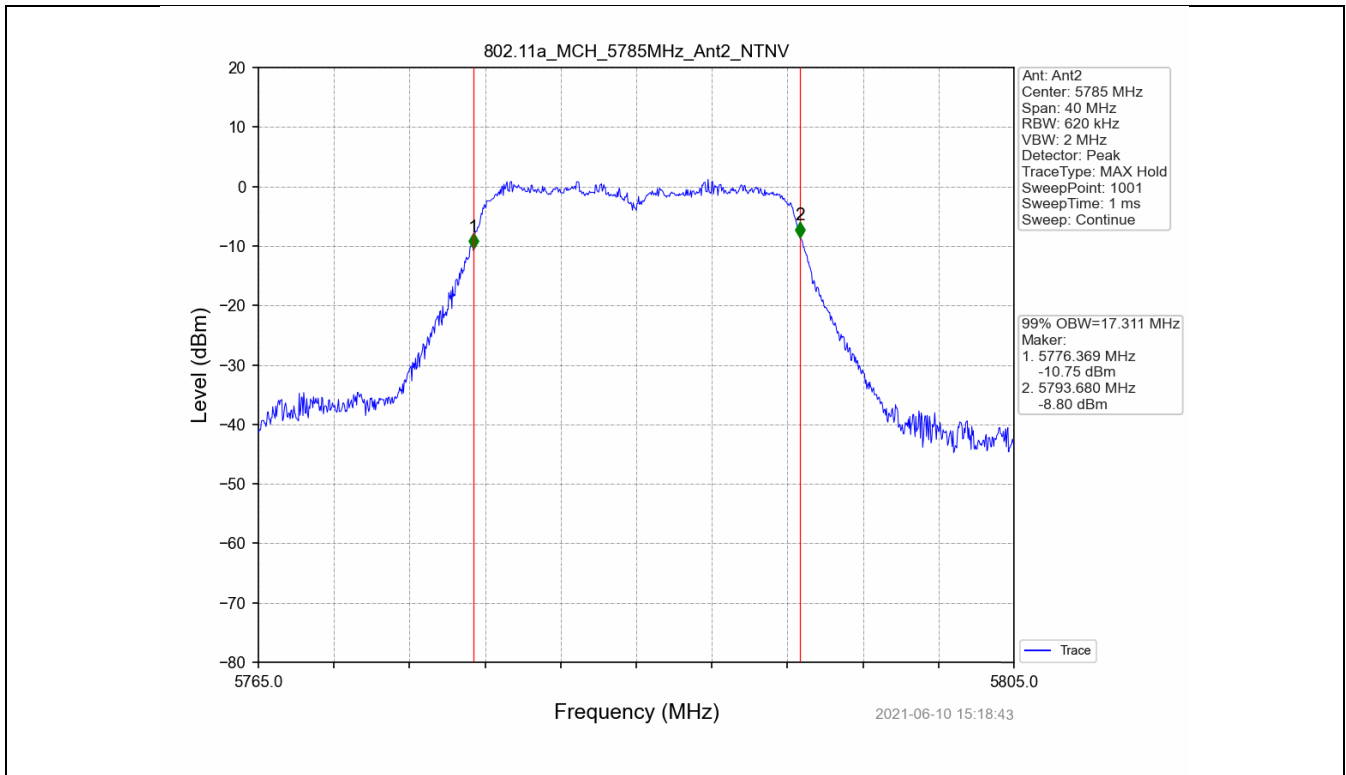
802.11a_HCH_5700MHz_Ant2_NTNV



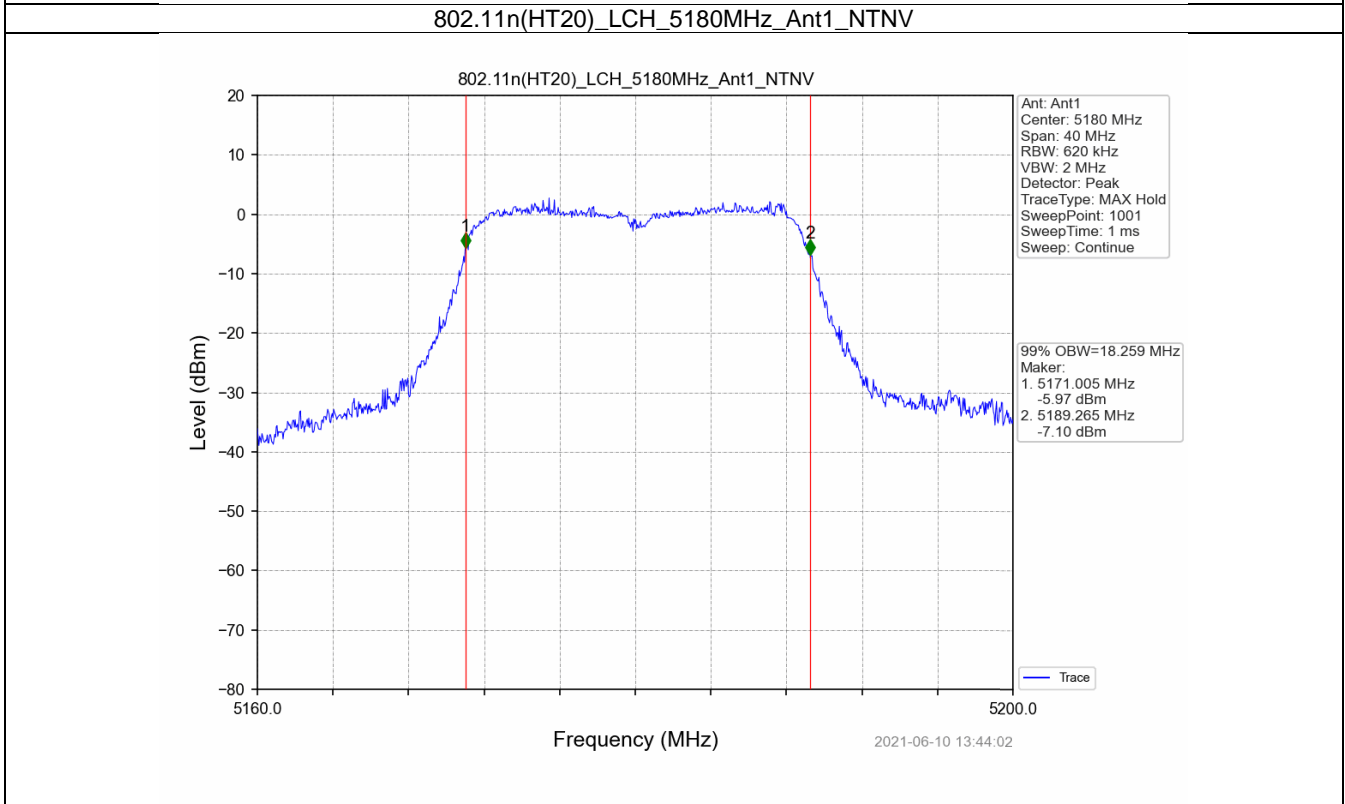
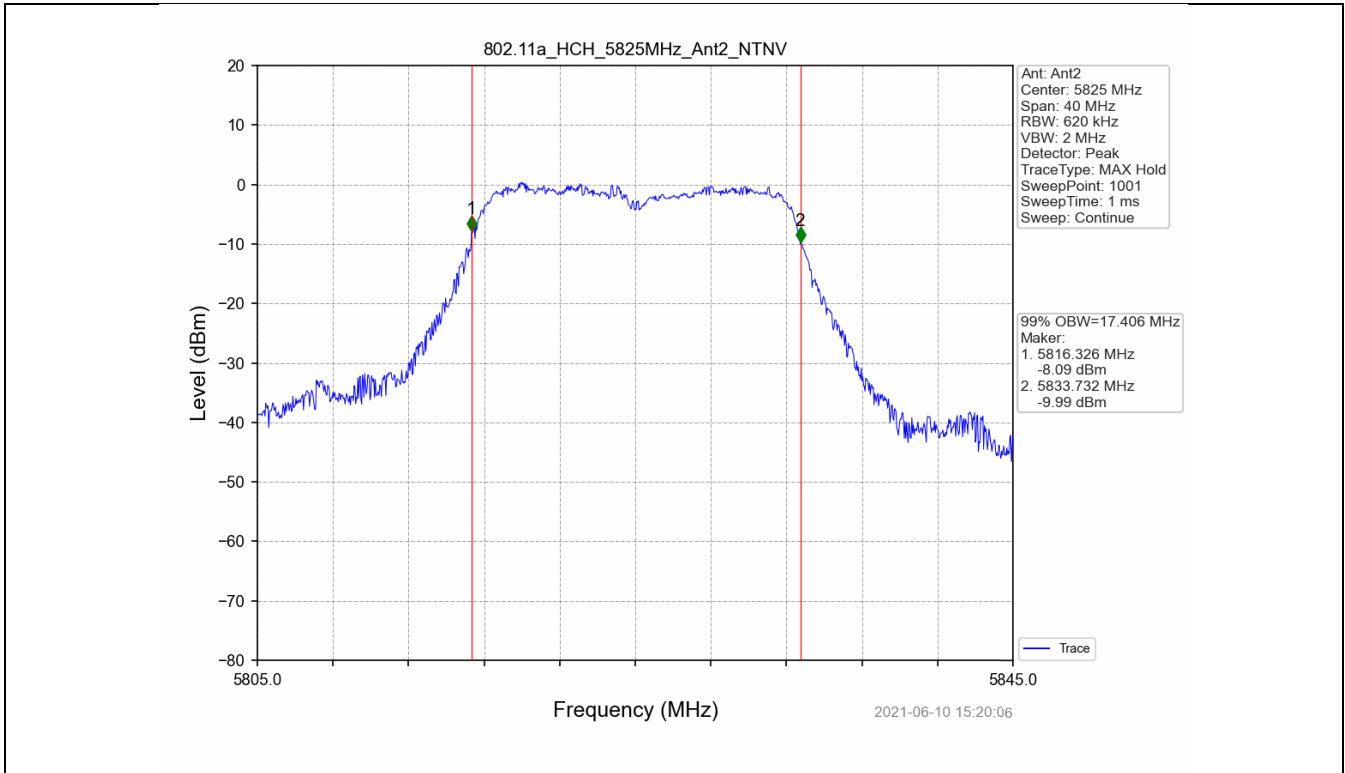
802.11a_LCH_5745MHz_Ant2_NTNV



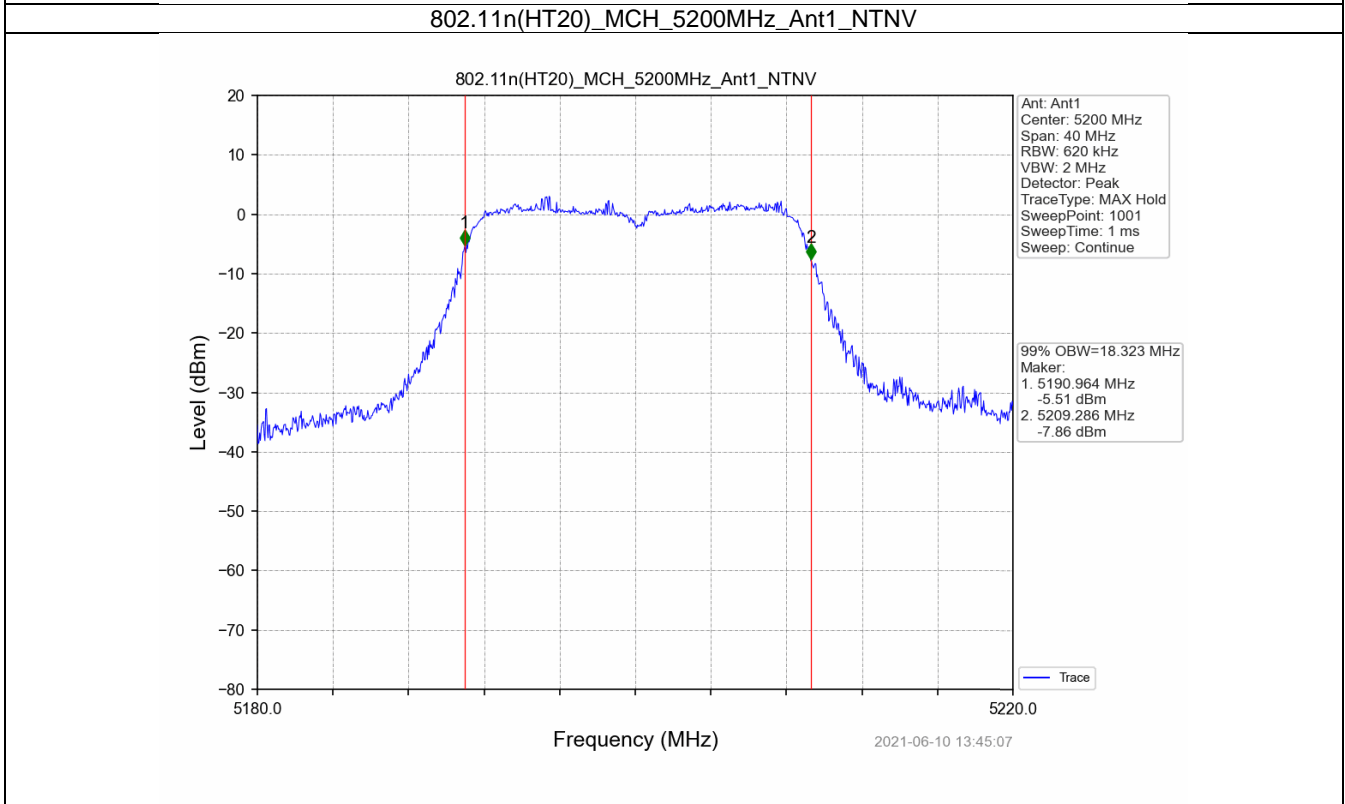
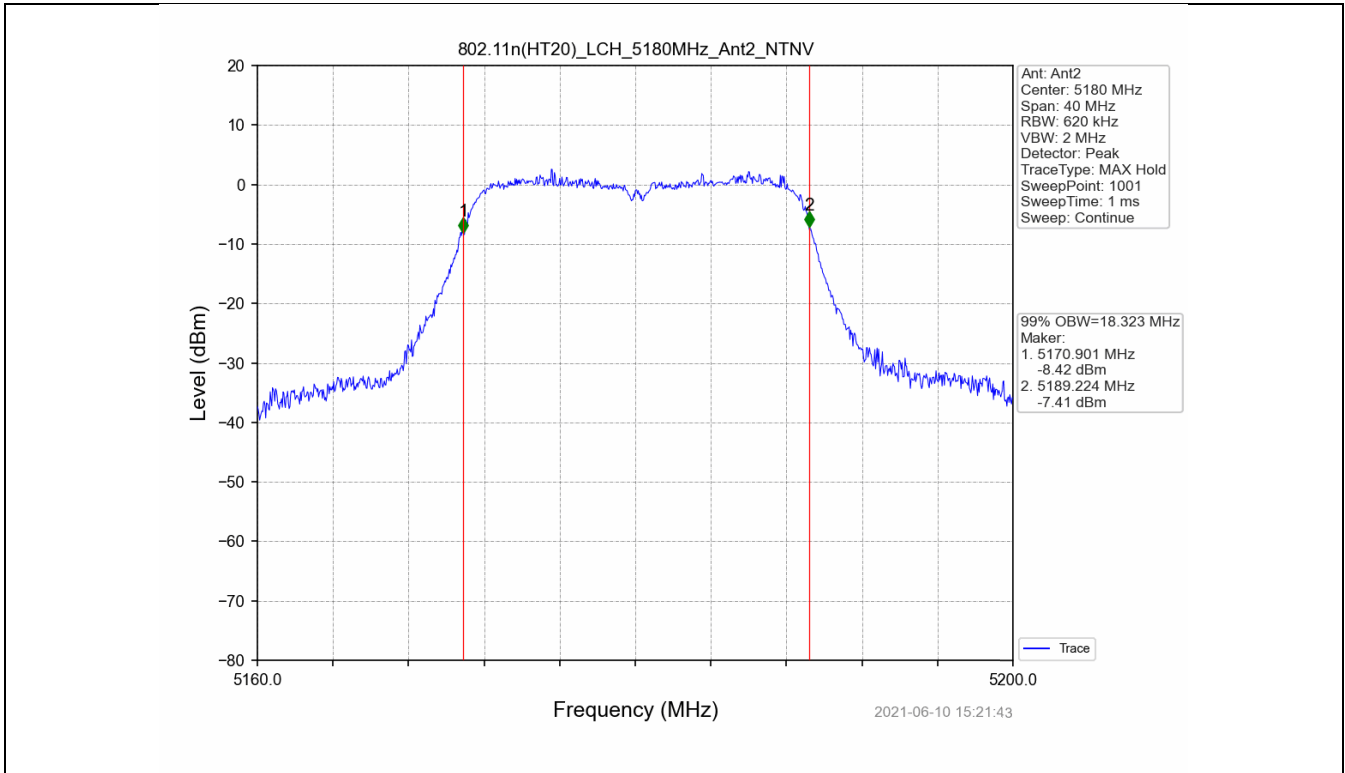
802.11a_MCH_5785MHz_Ant2_NTNV



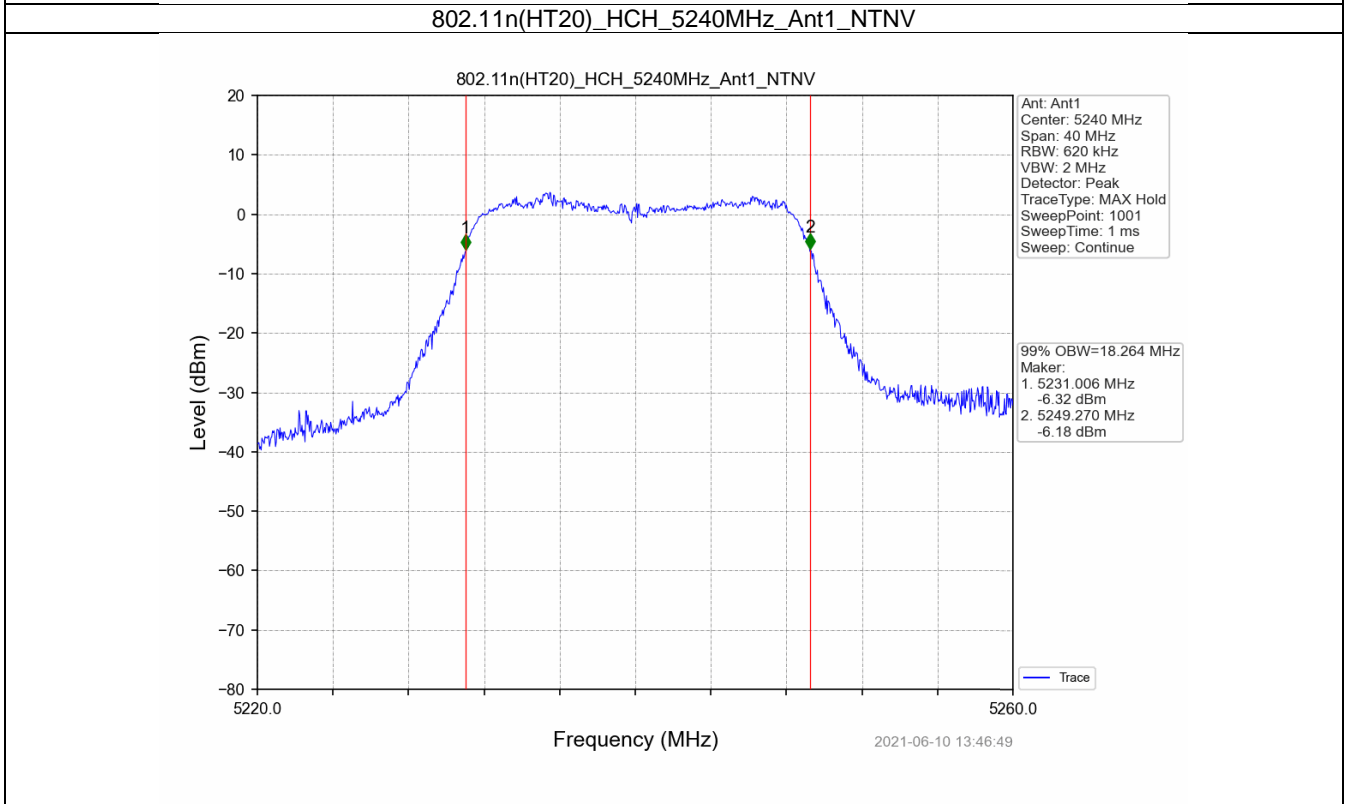
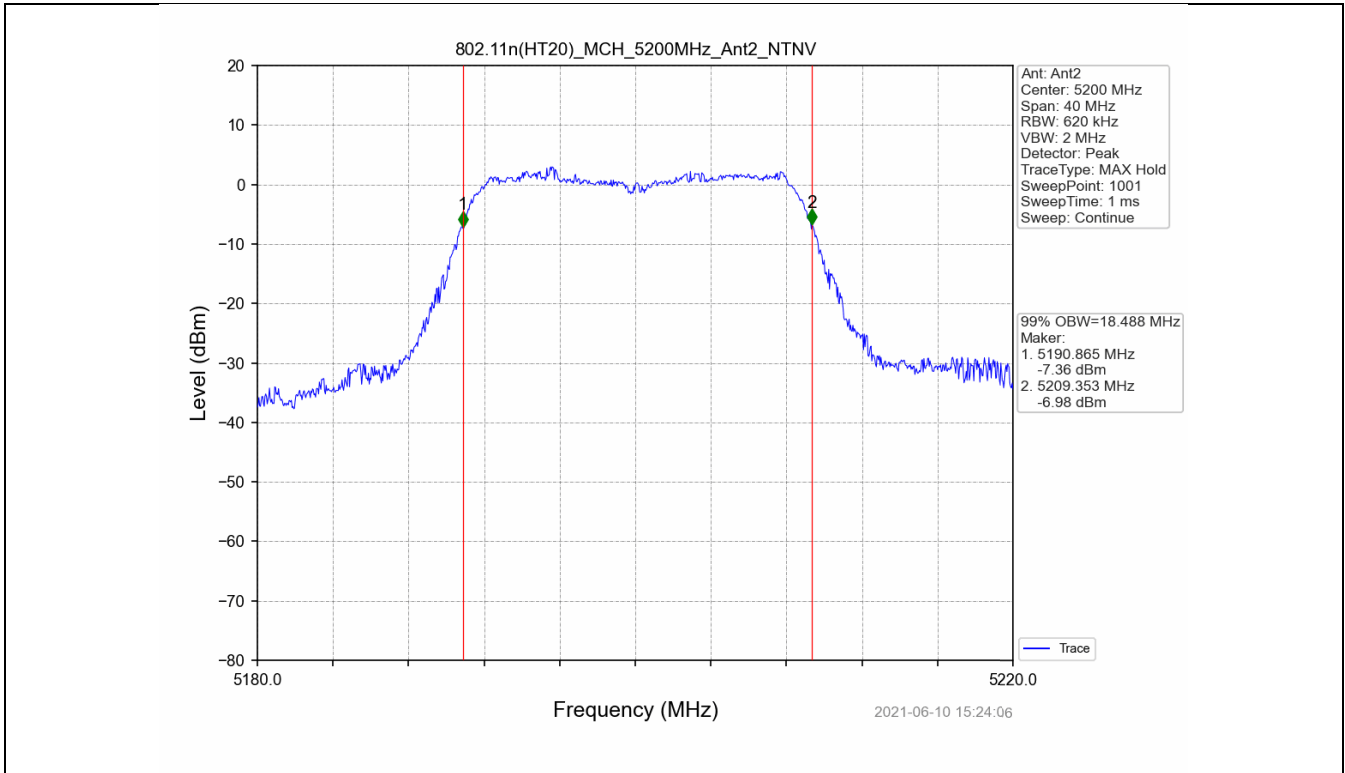
802.11a_HCH_5825MHz_Ant2_NTNV



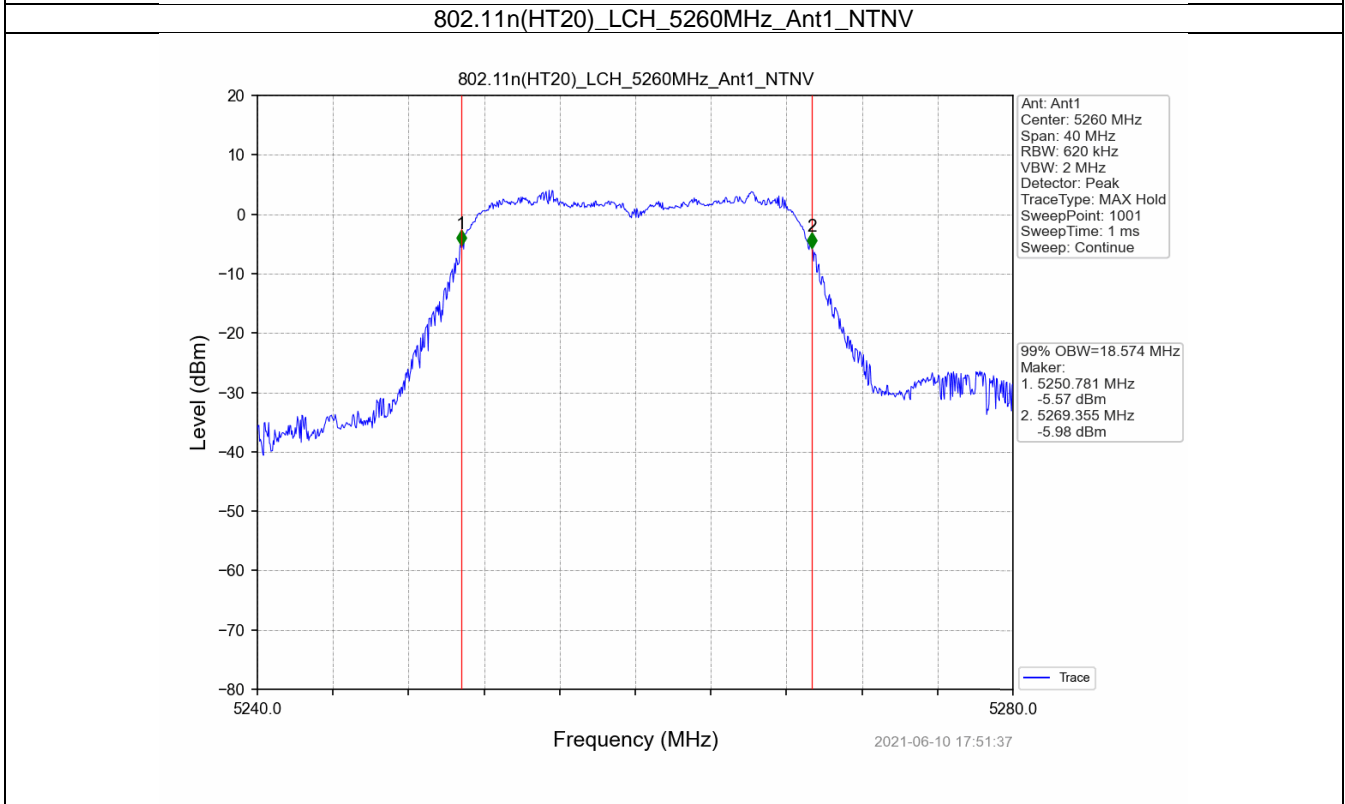
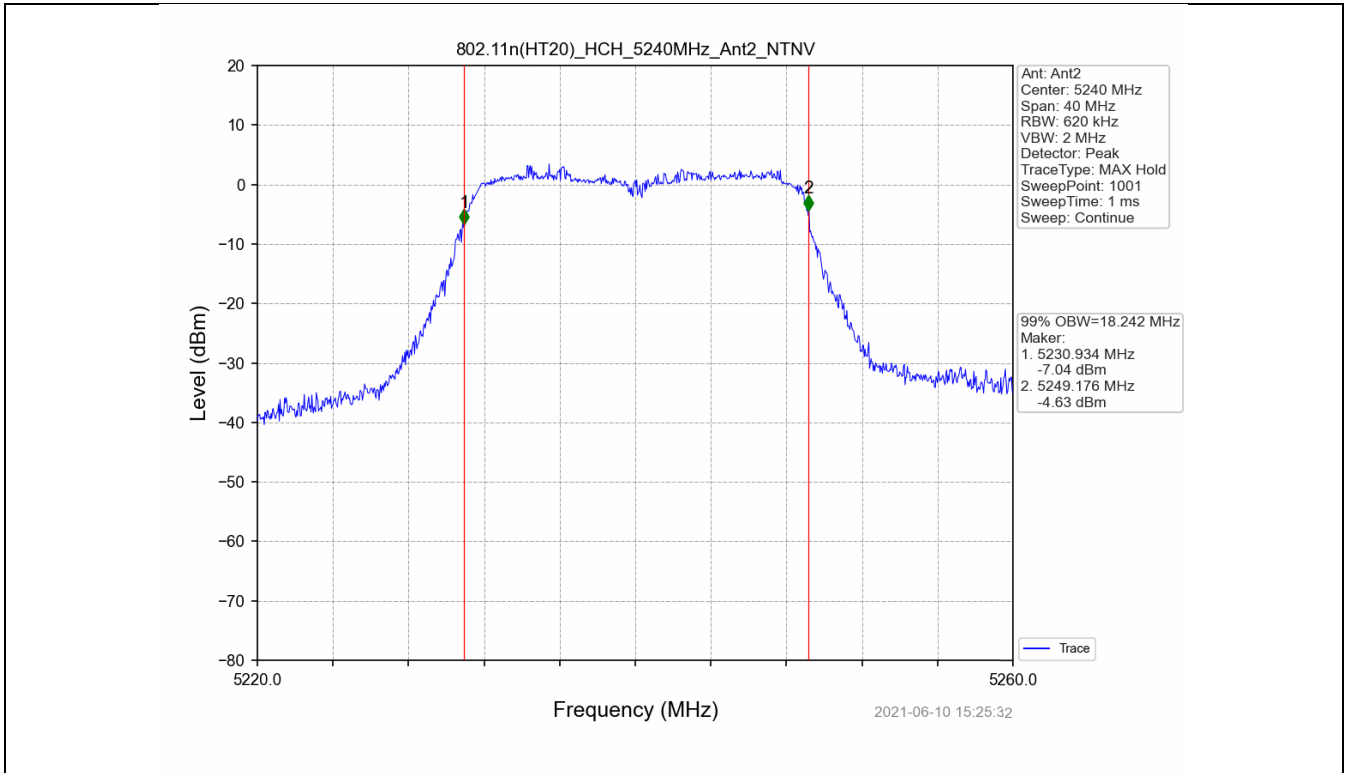
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



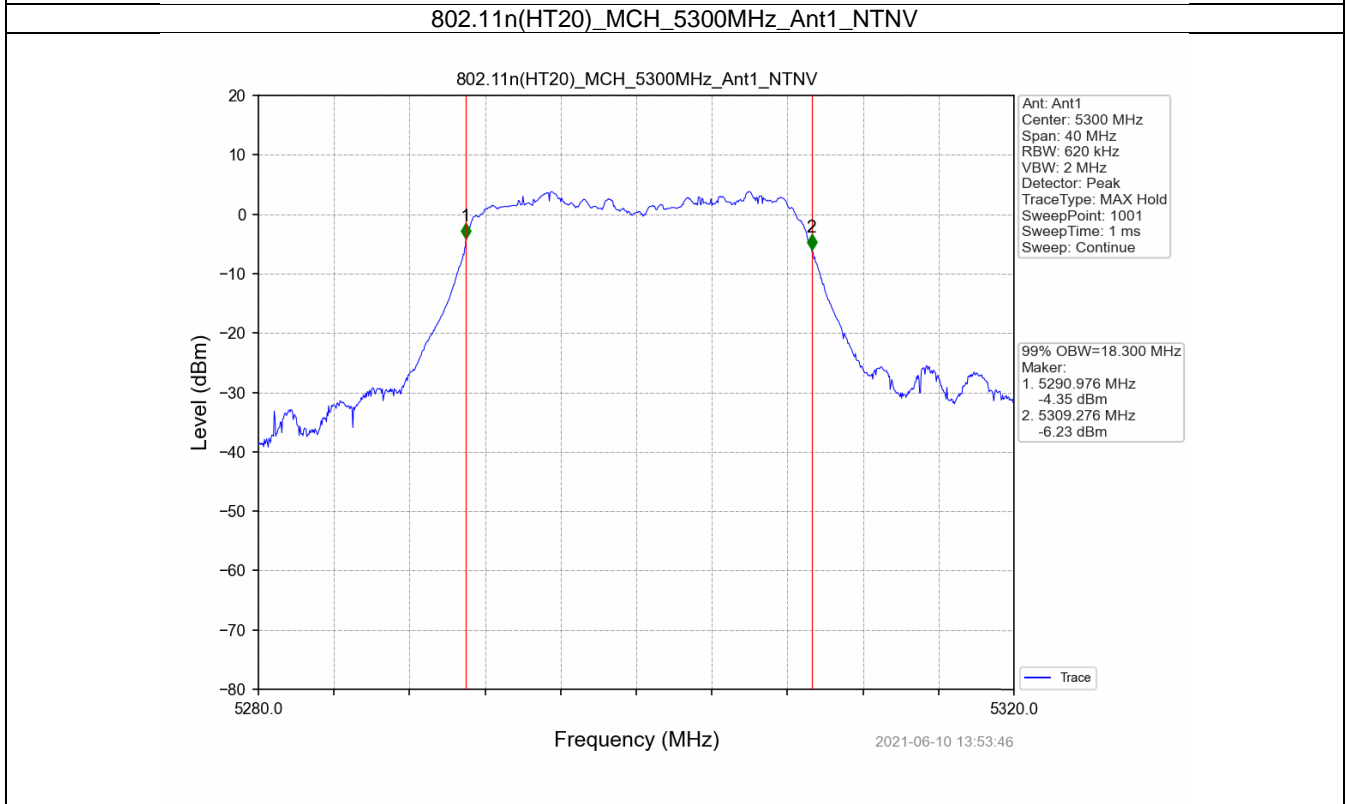
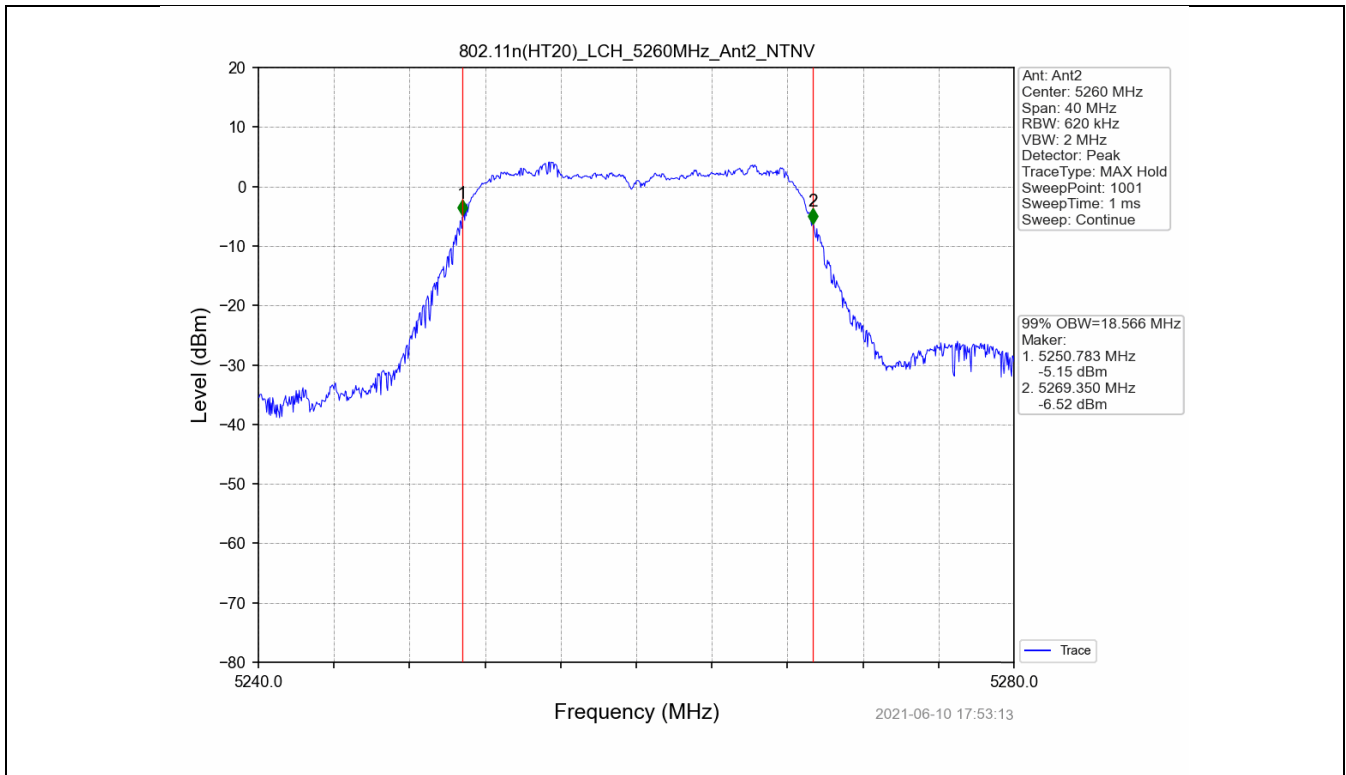
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



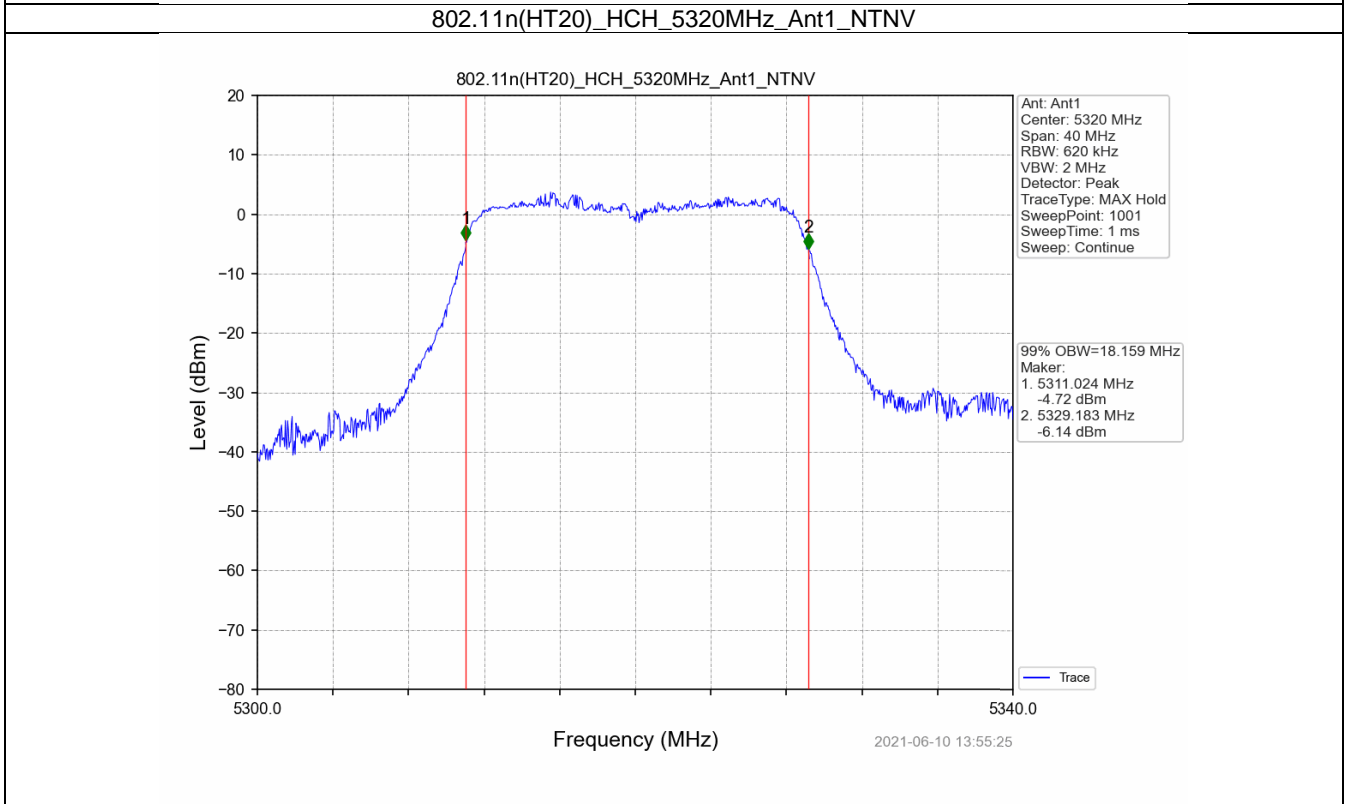
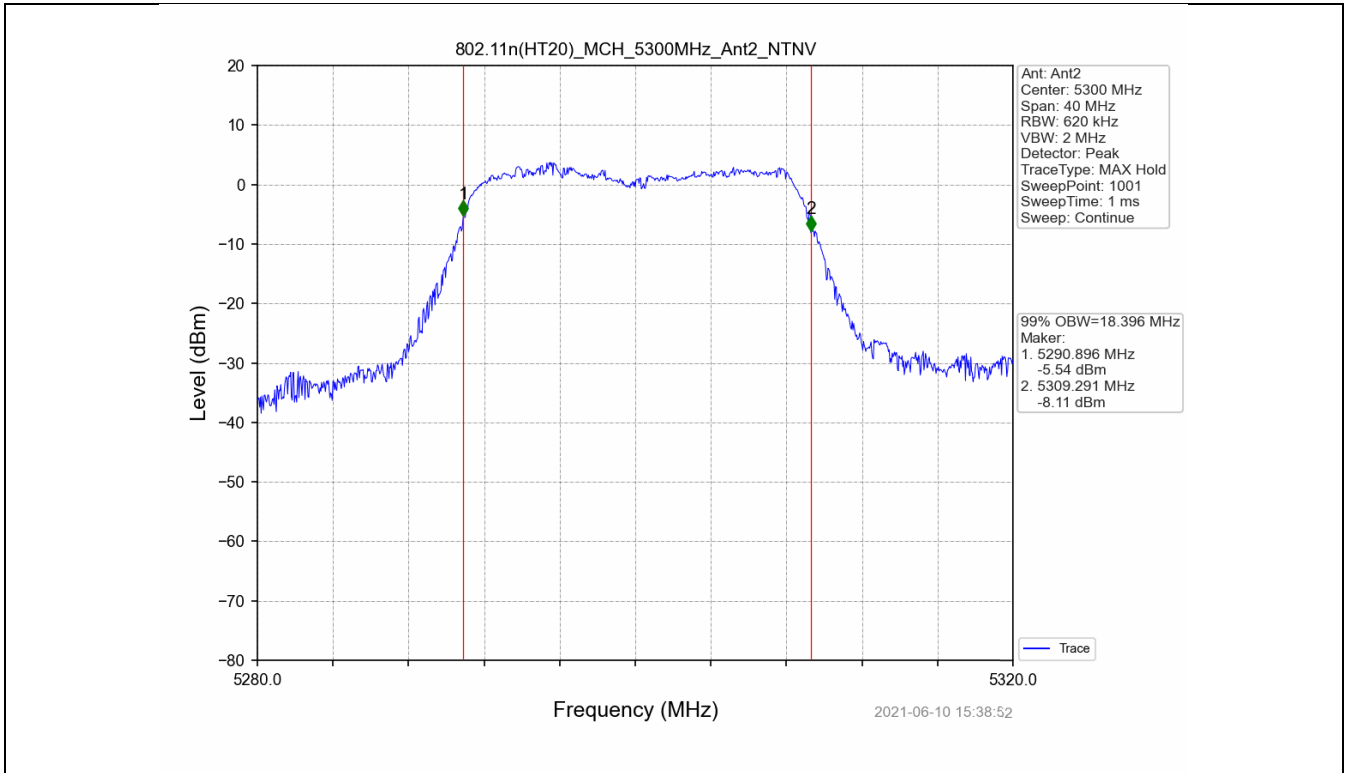
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



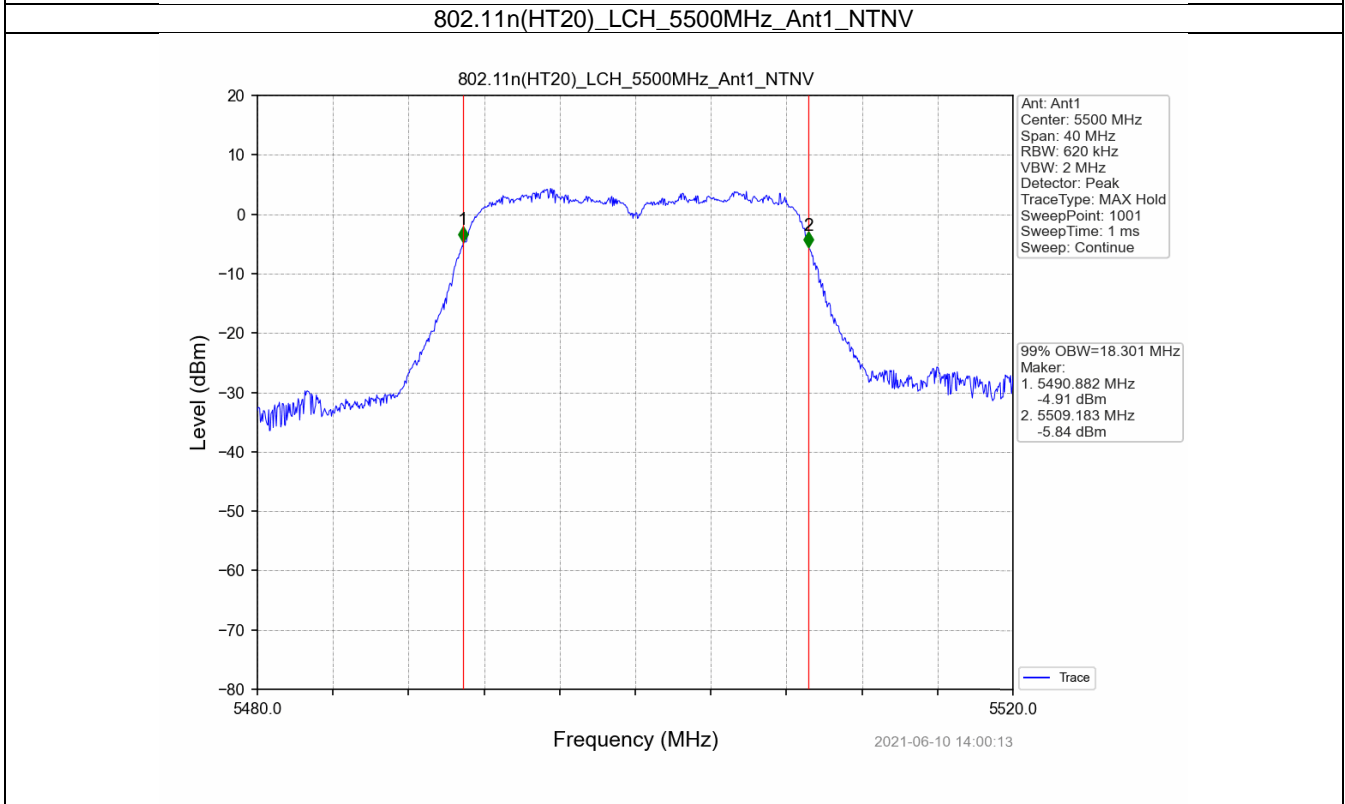
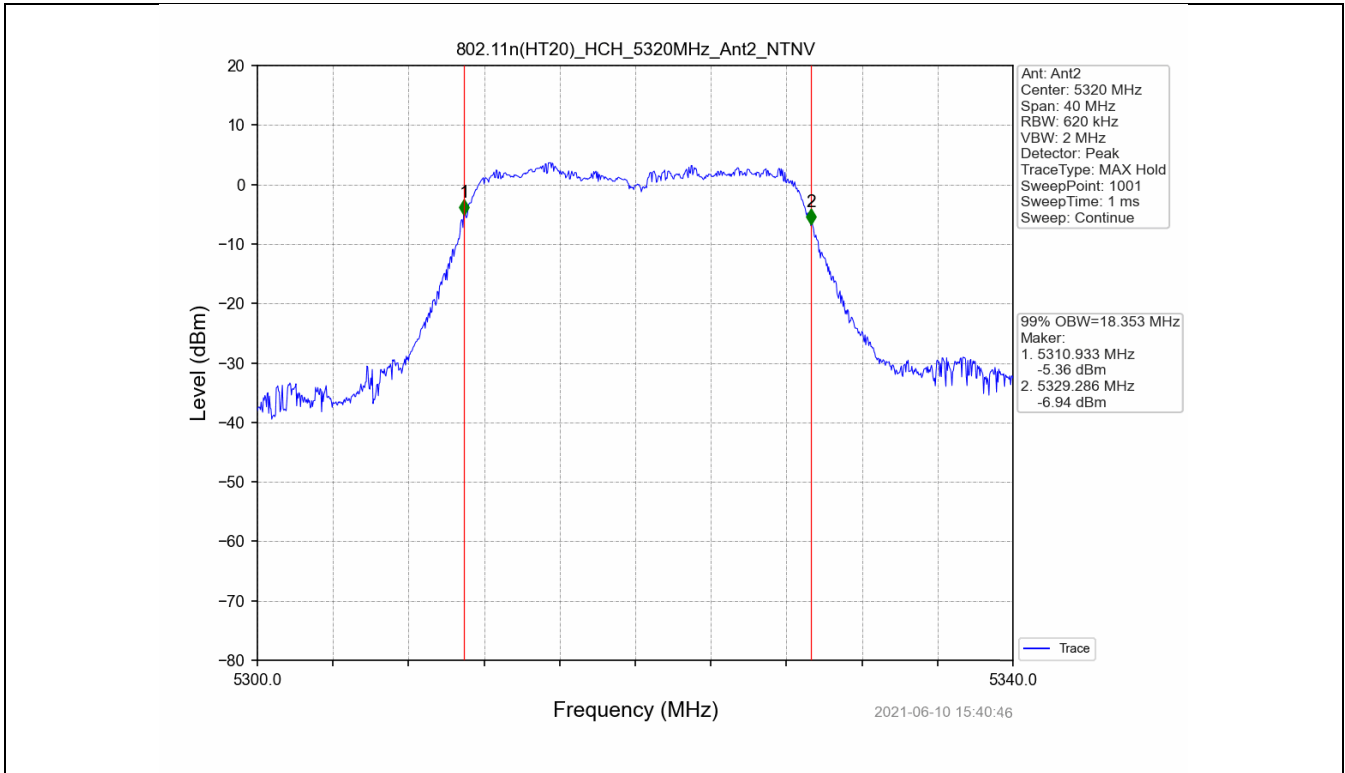
802.11n(HT20)_LCH_5260MHz_Ant2_NTNV



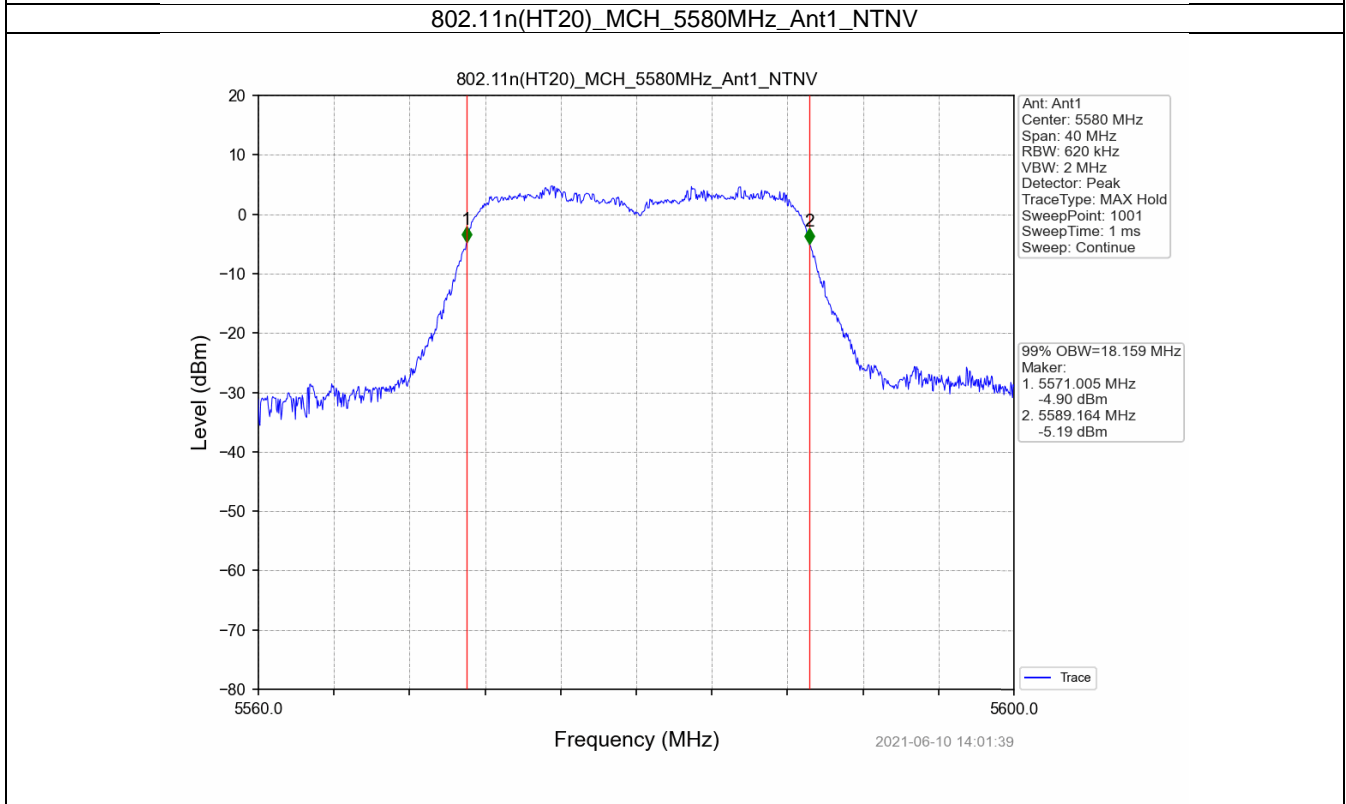
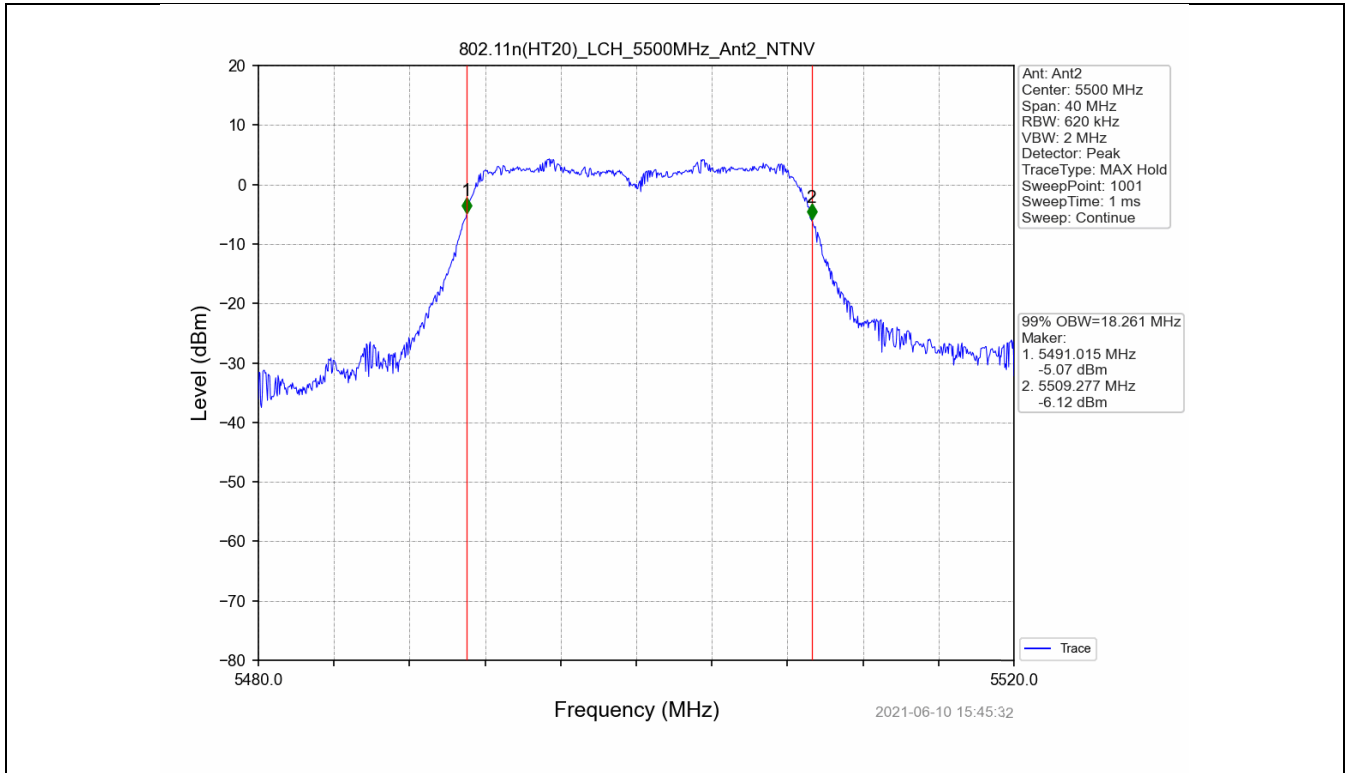
802.11n(HT20)_MCH_5300MHz_Ant2_NTNV



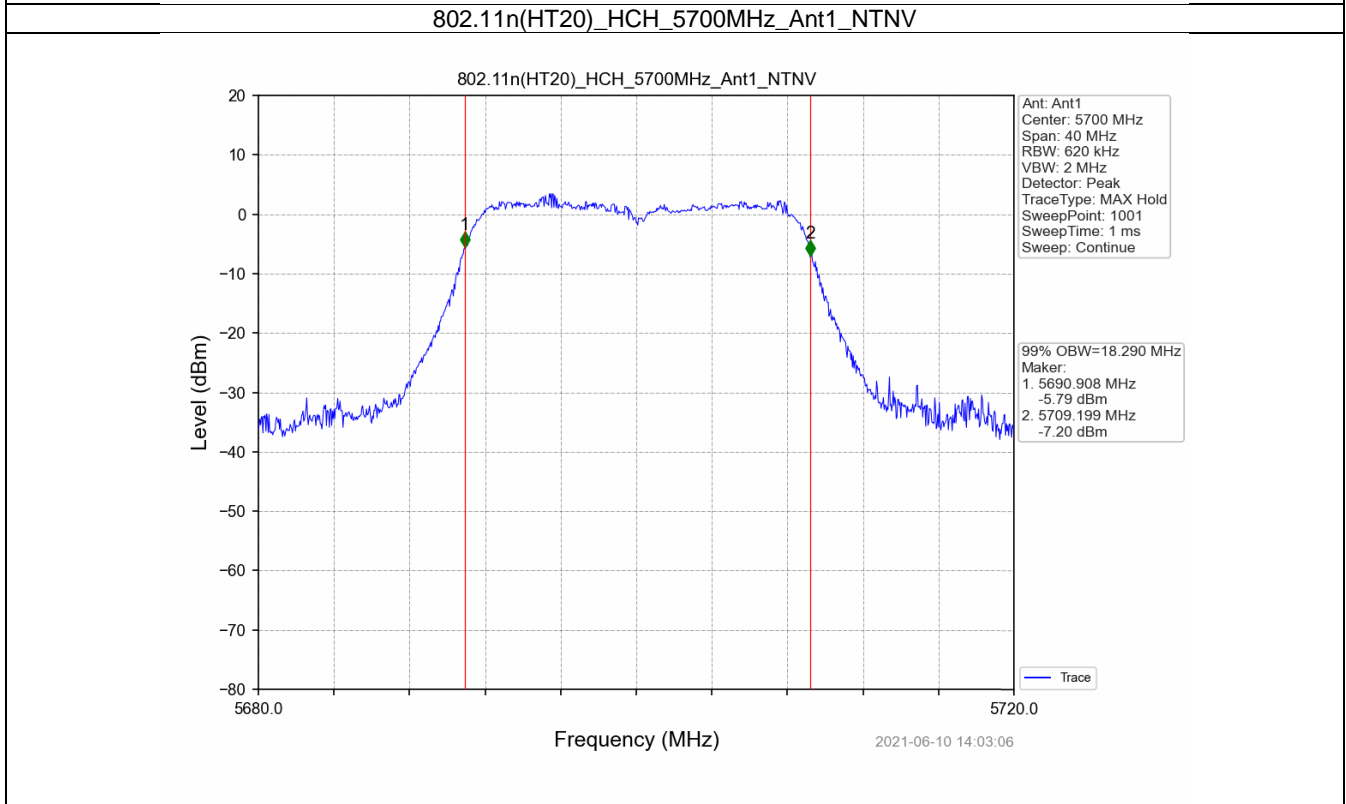
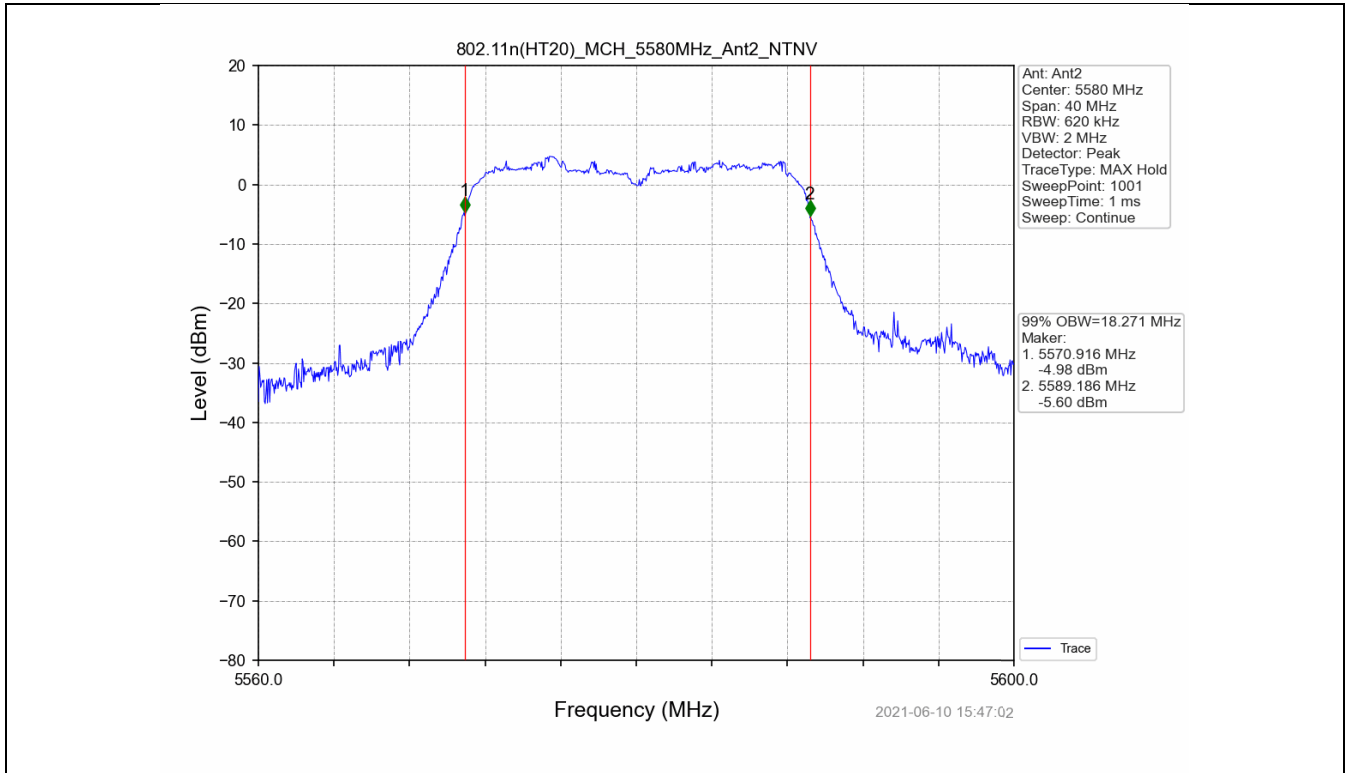
802.11n(HT20)_HCH_5320MHz_Ant2_NTNV



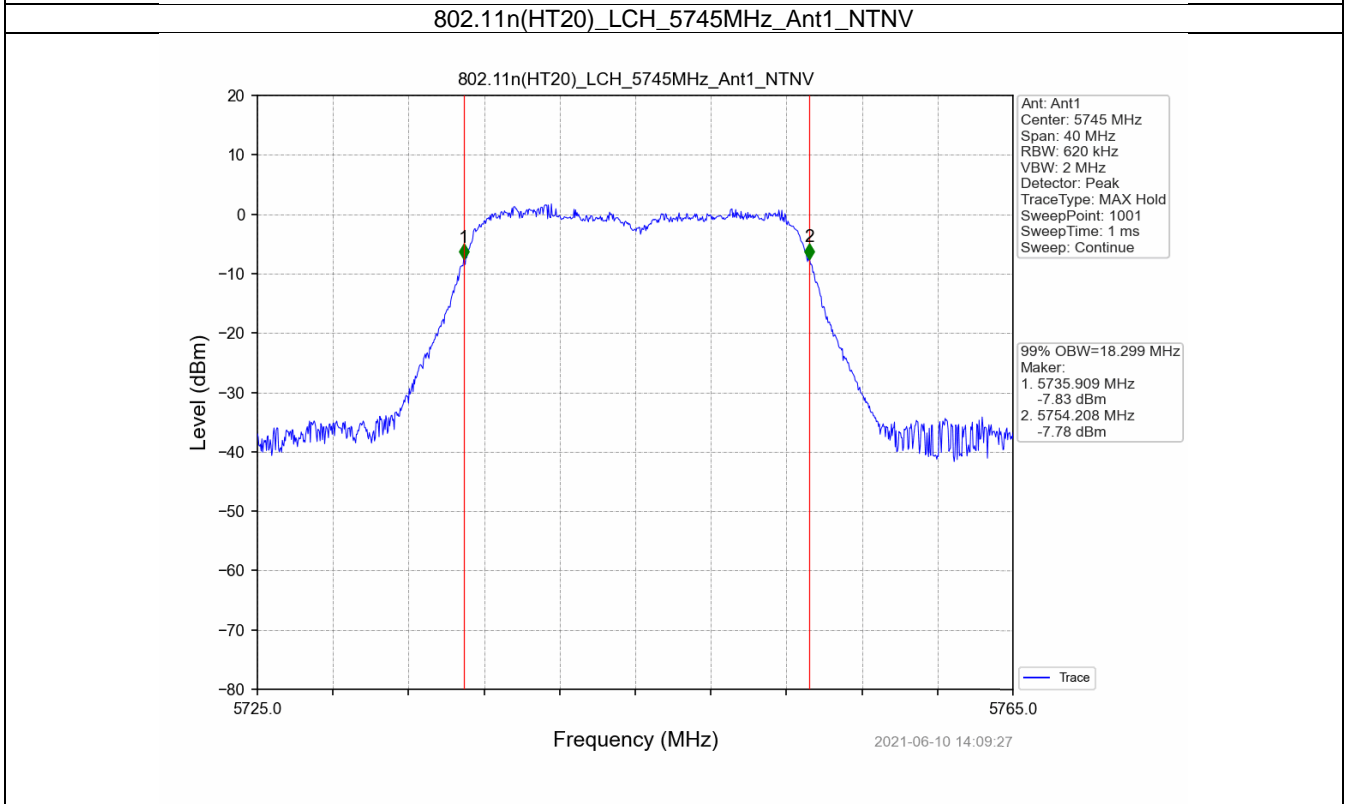
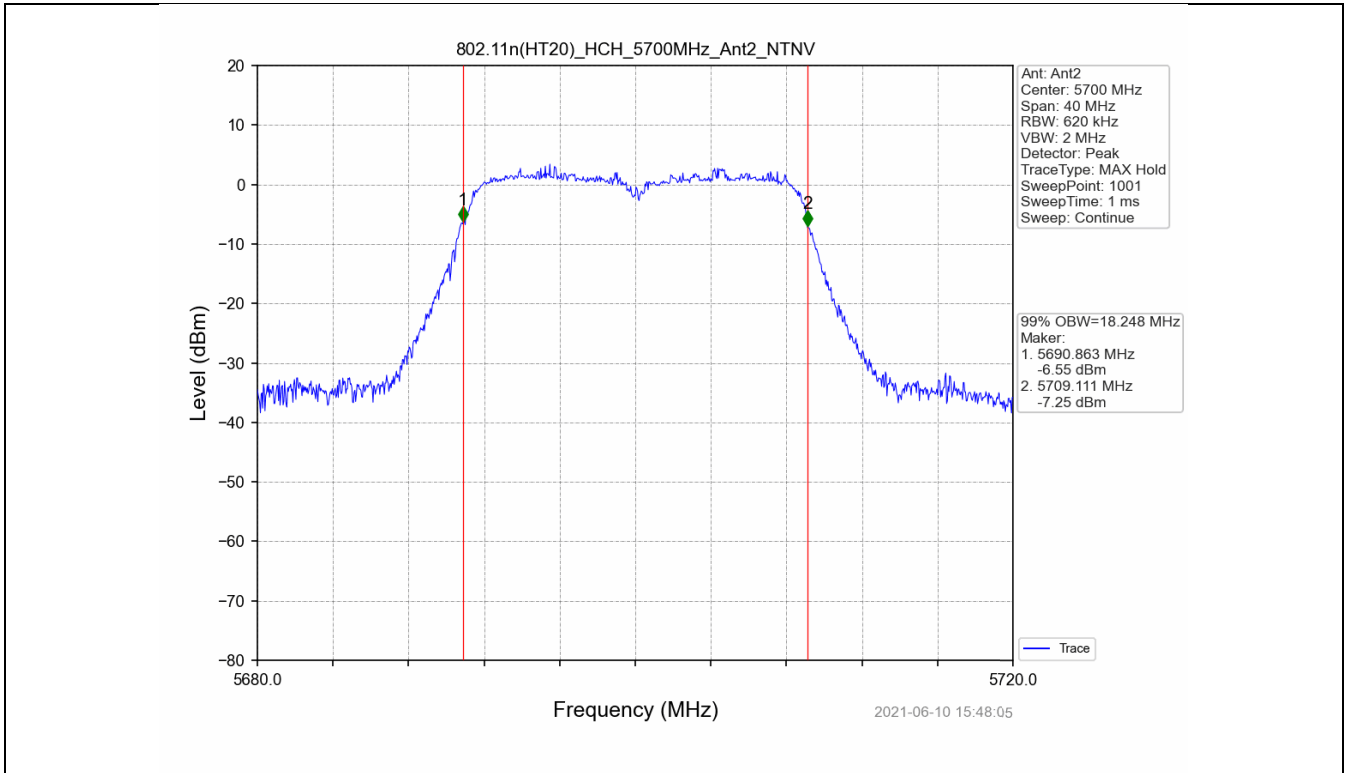
802.11n(HT20)_LCH_5500MHz_Ant2_NTNV



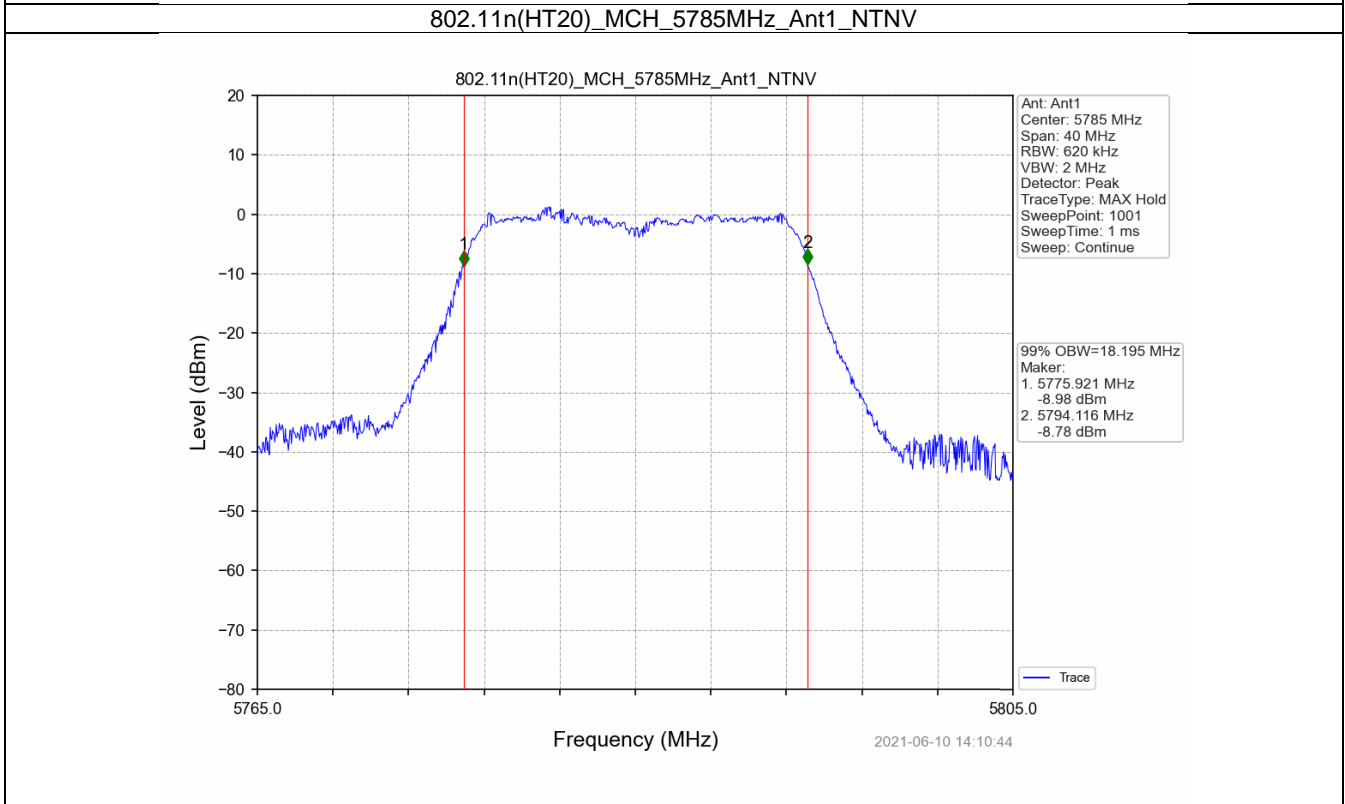
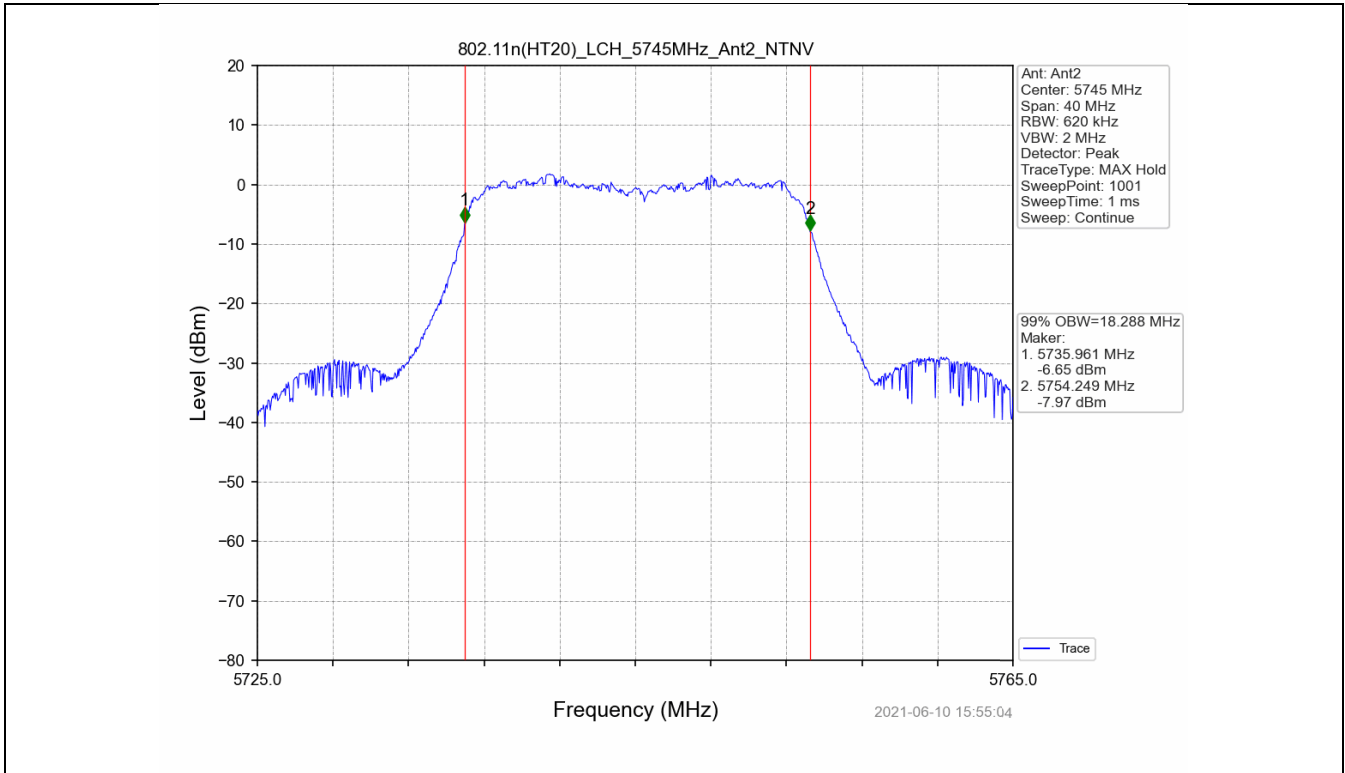
802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



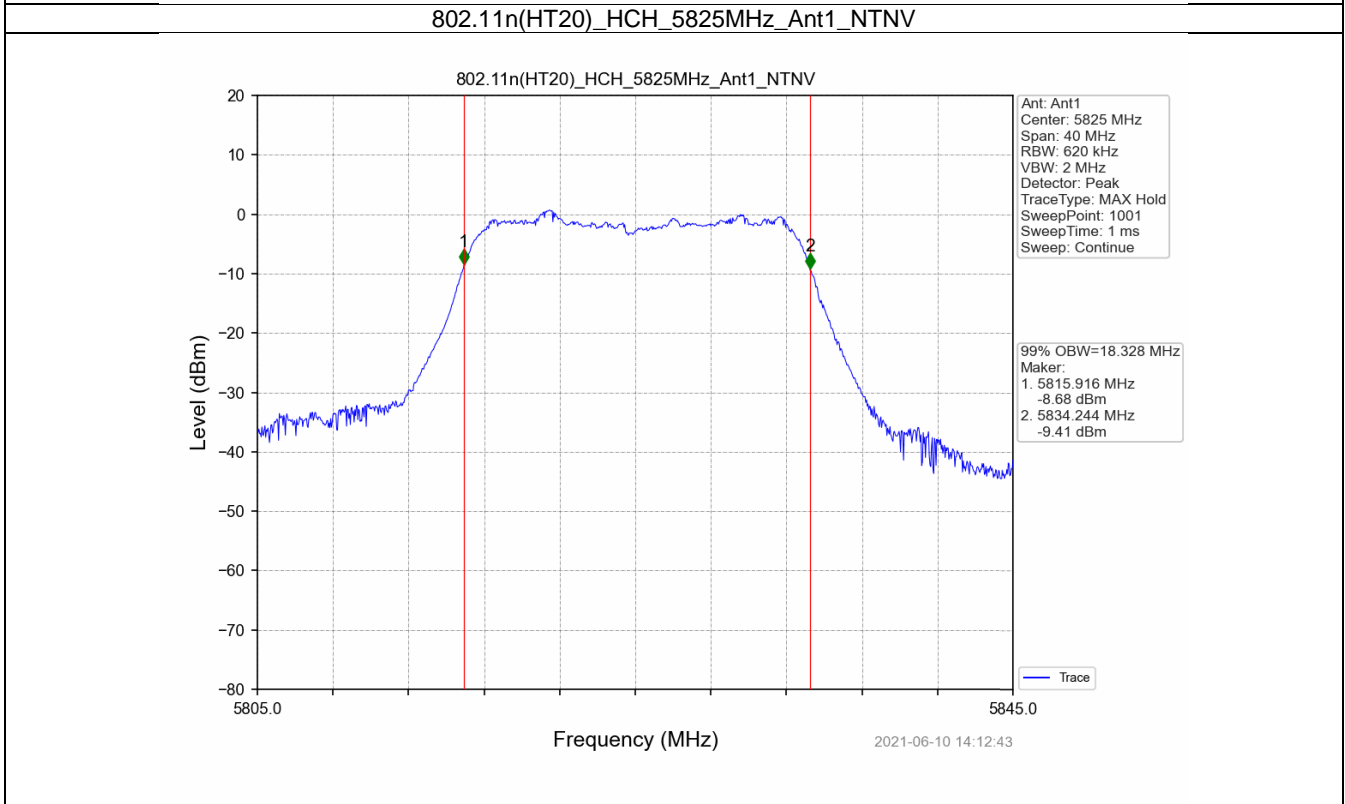
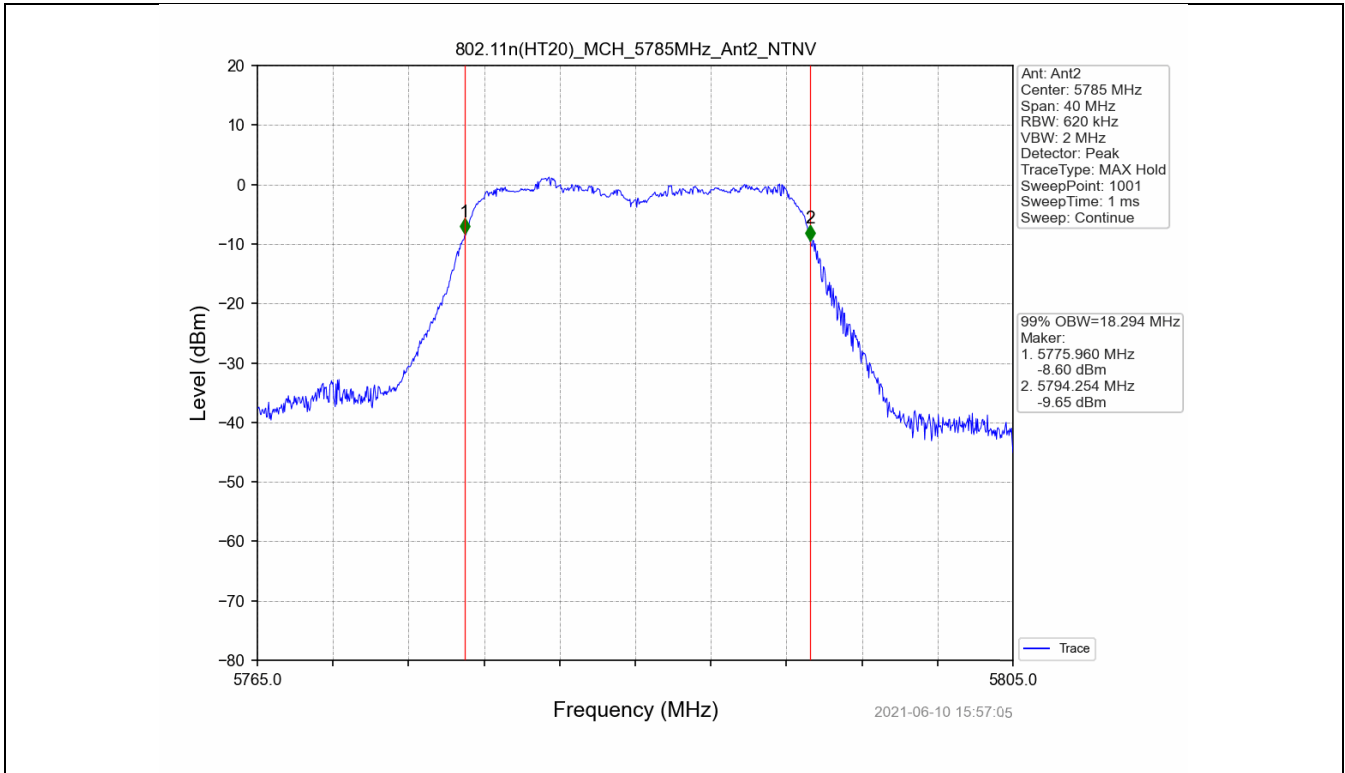
802.11n(HT20)_HCH_5700MHz_Ant2_NTNV



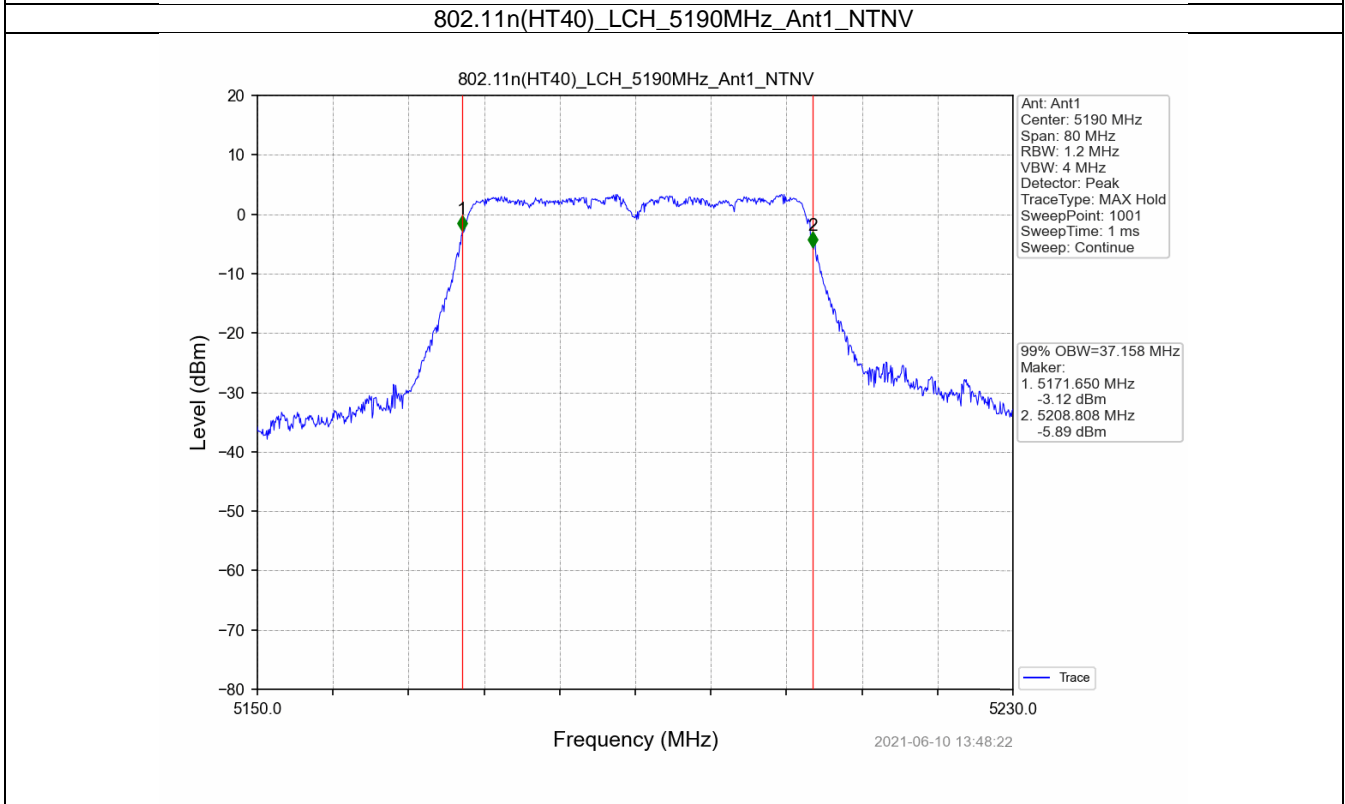
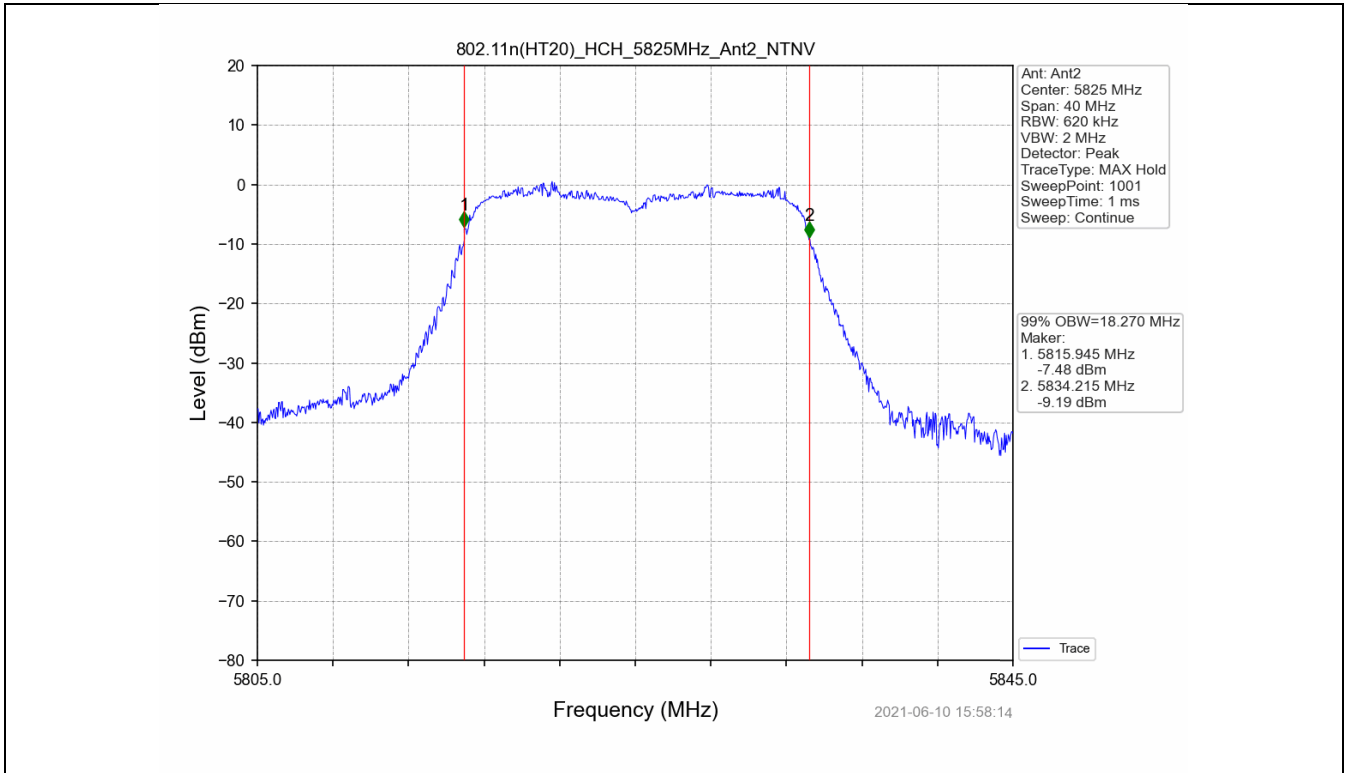
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



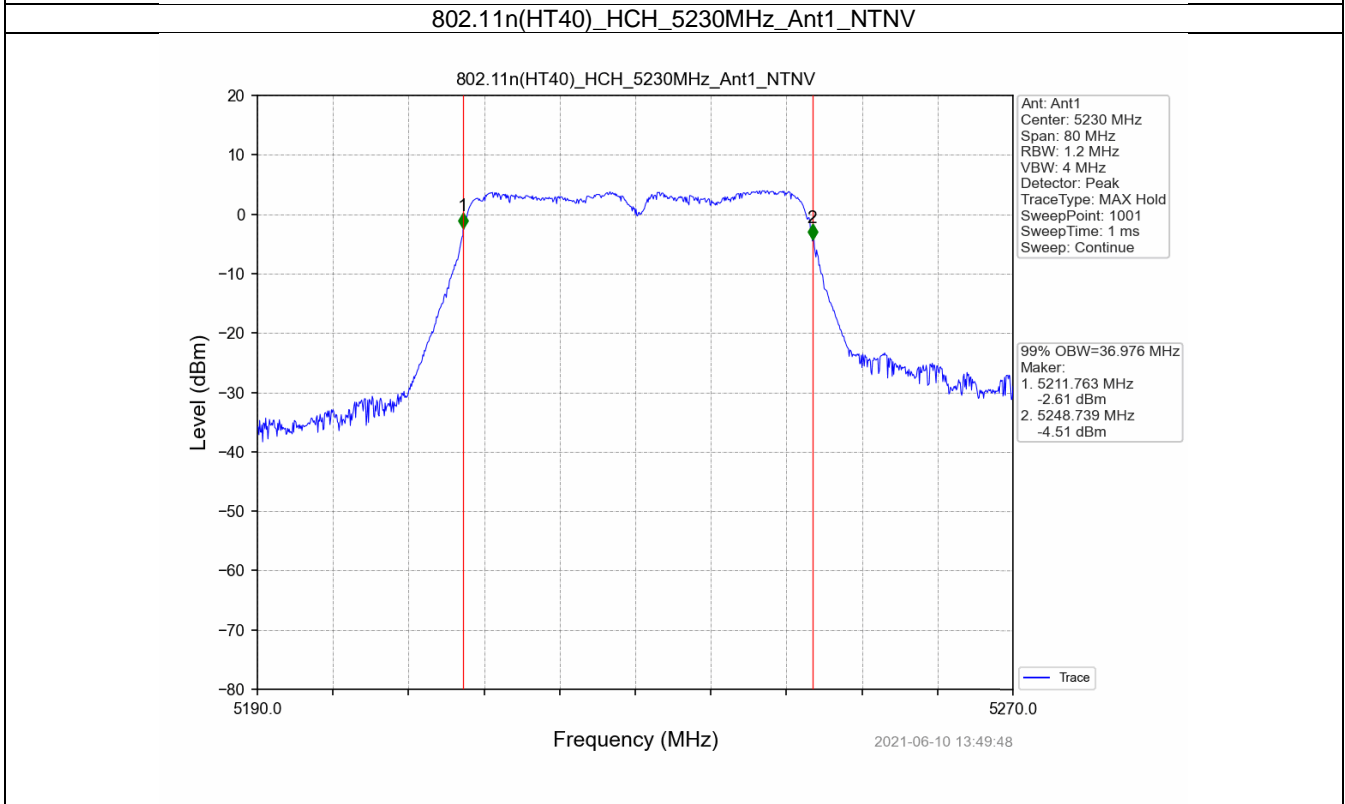
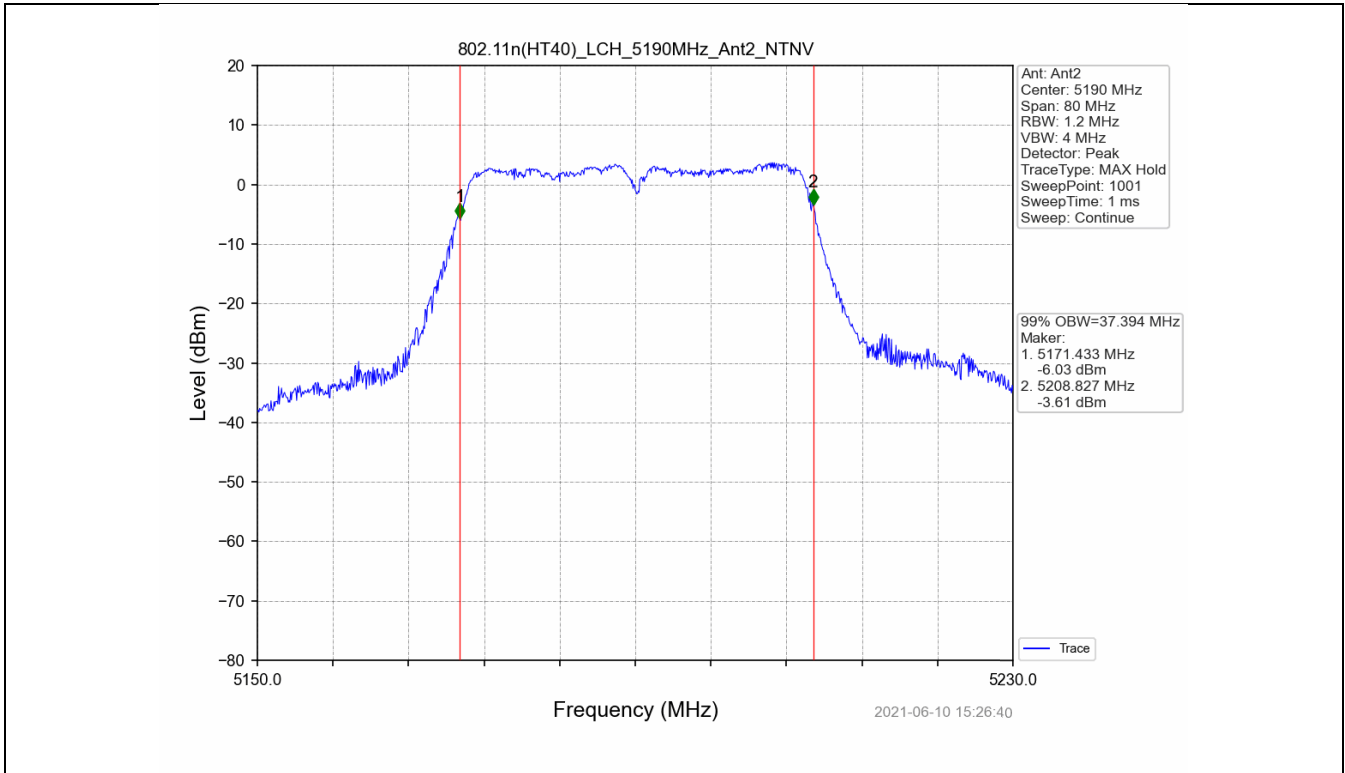
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



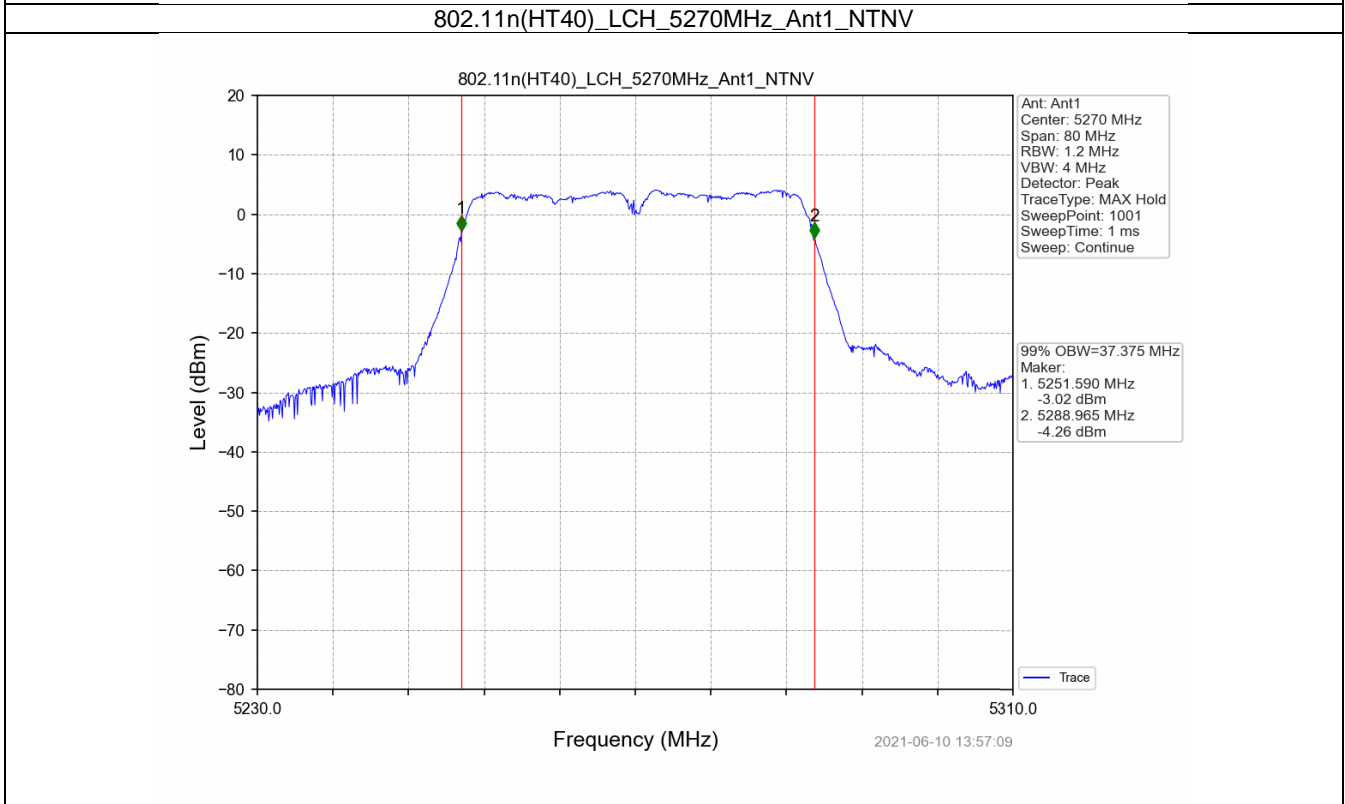
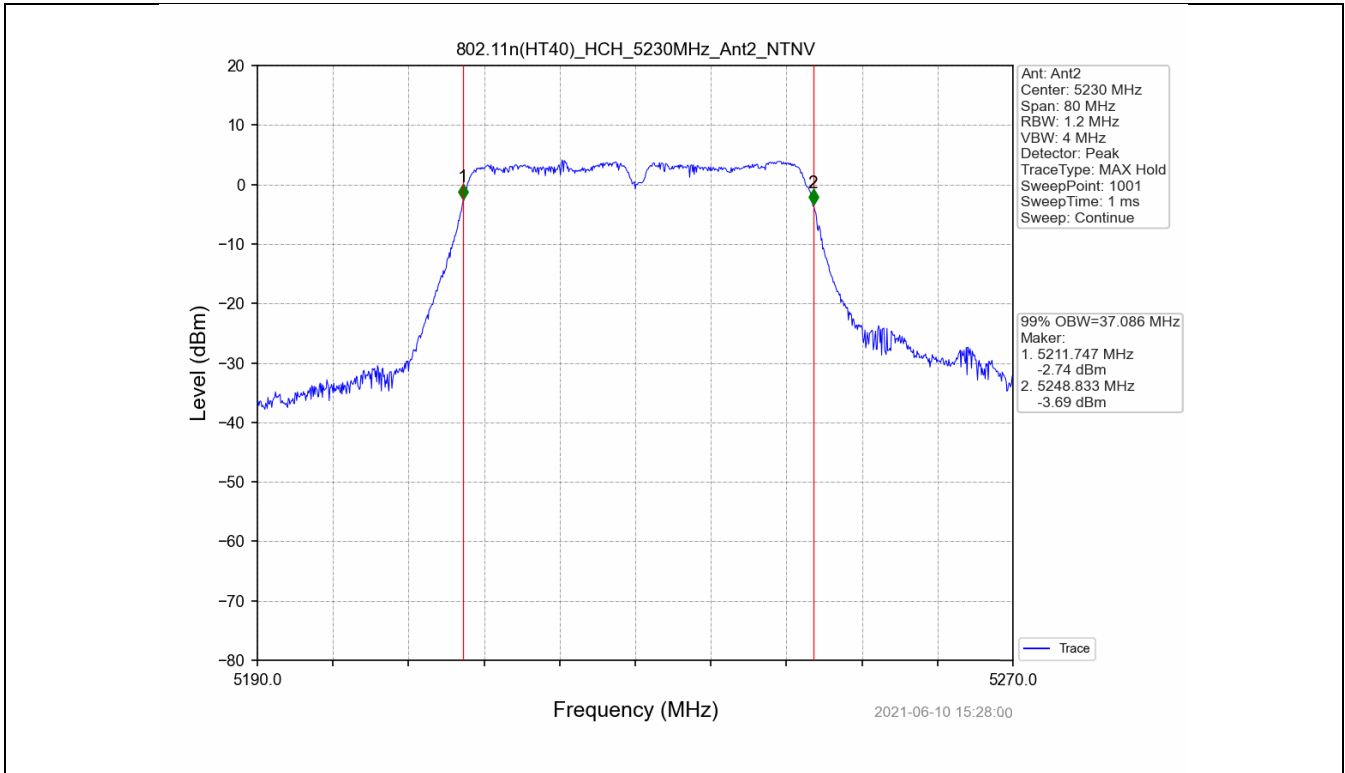
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



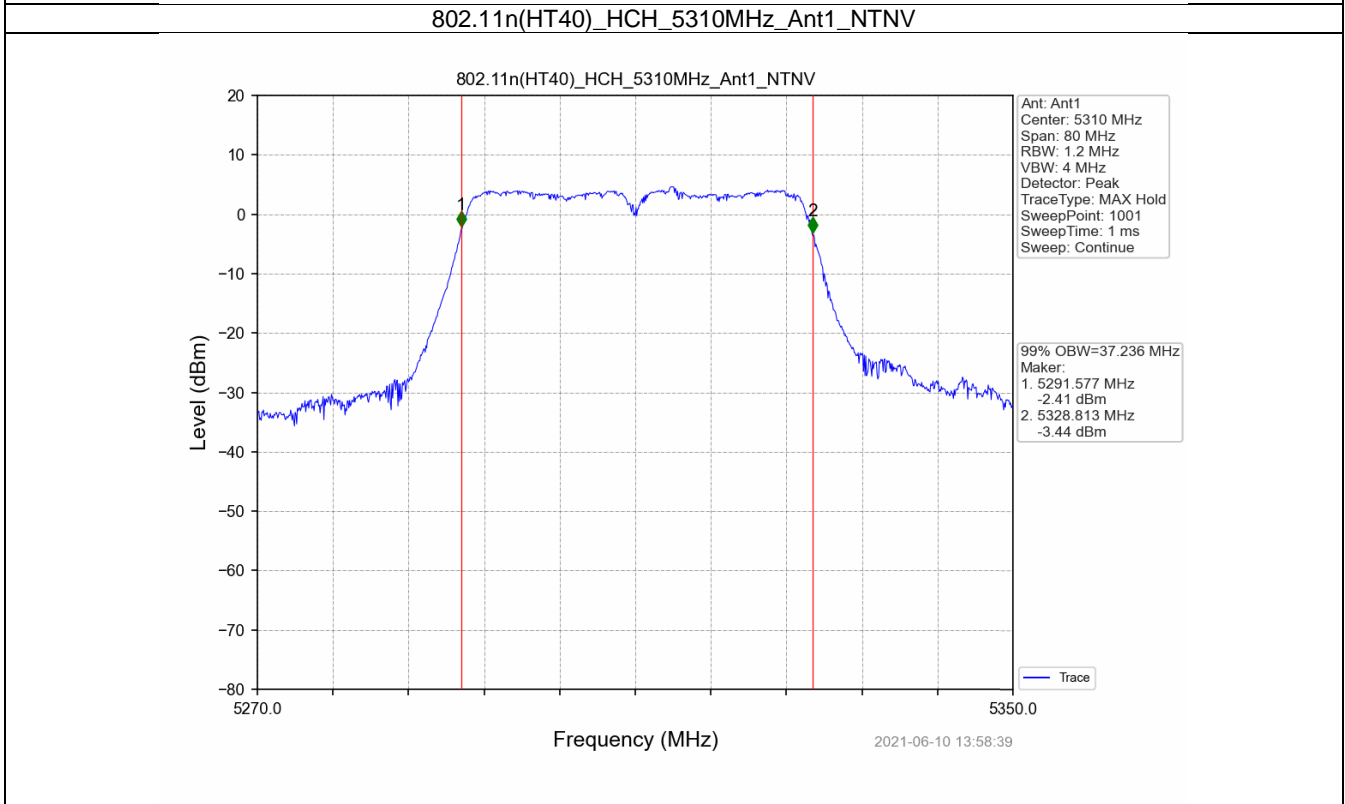
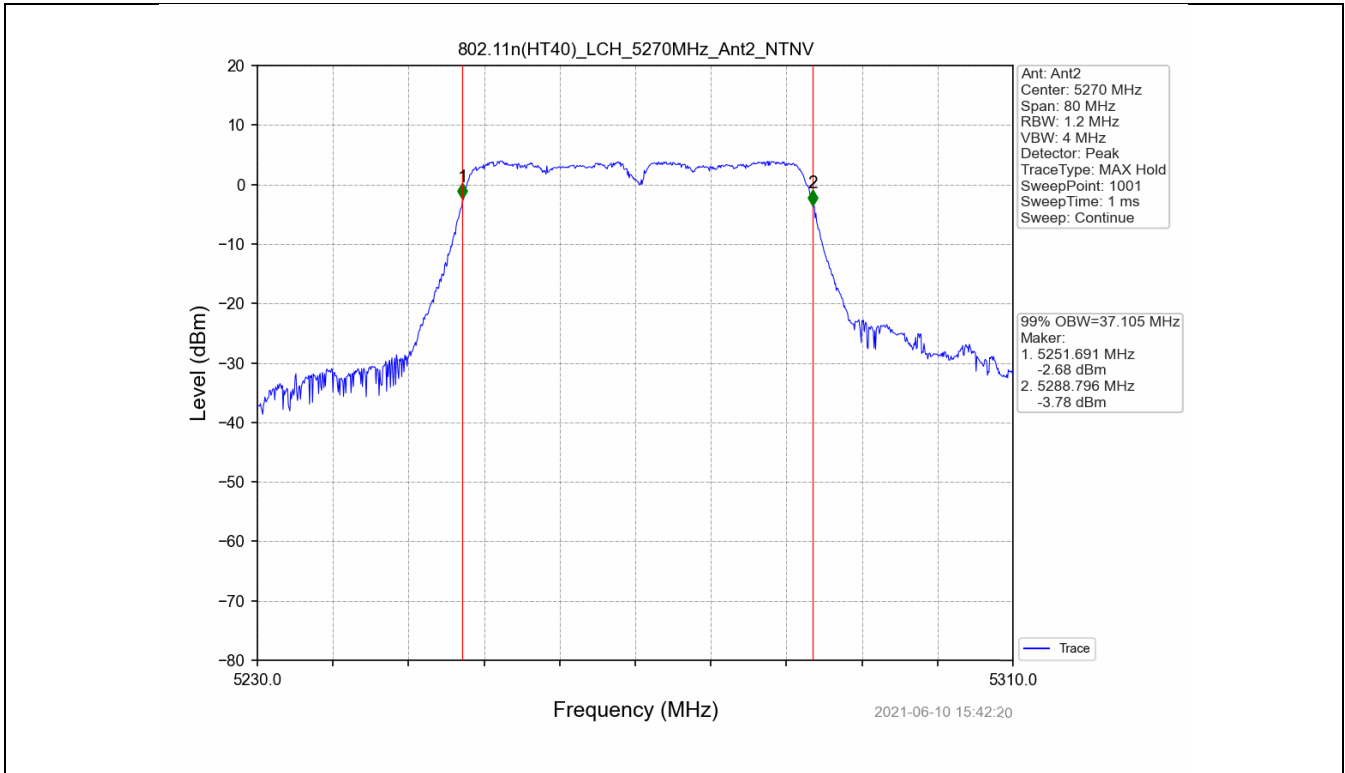
802.11n(HT40)_LCH_5190MHz_Ant2_NTNV



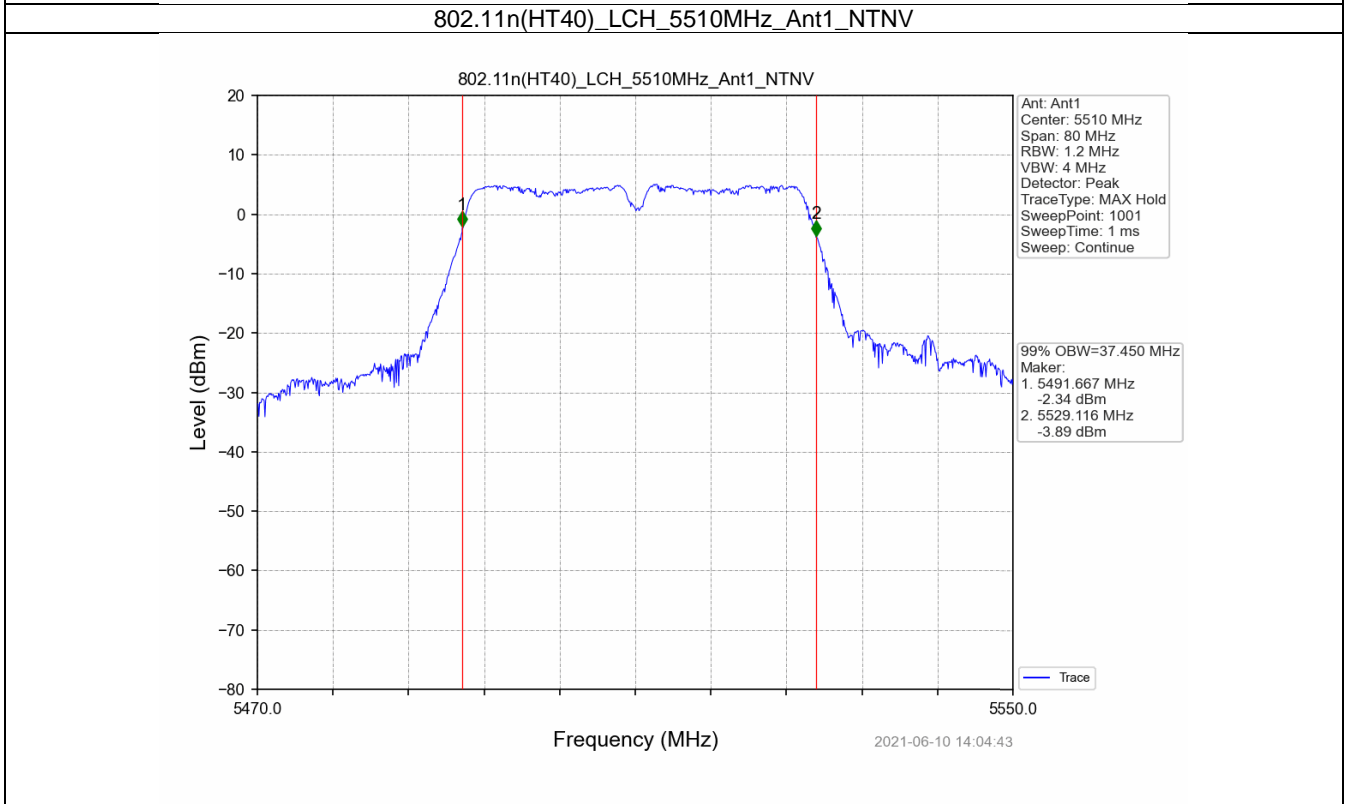
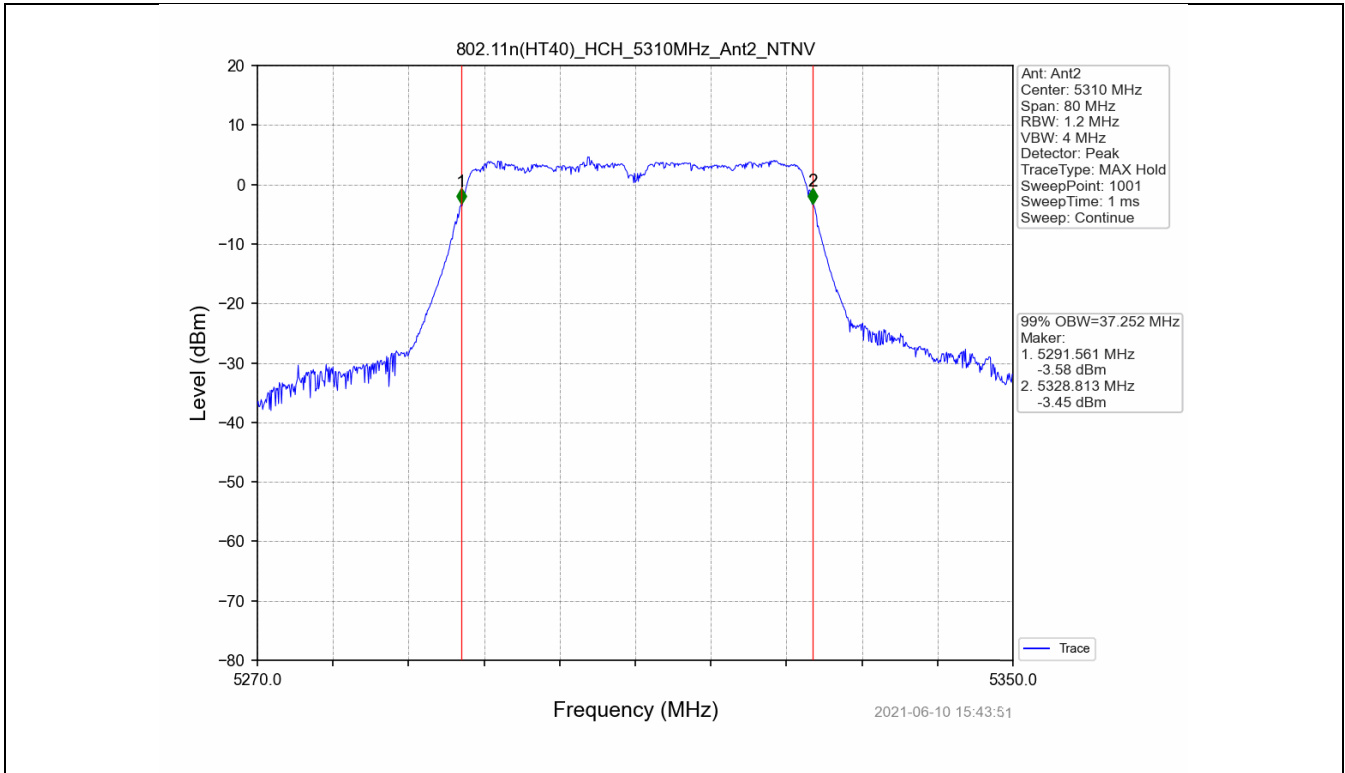
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



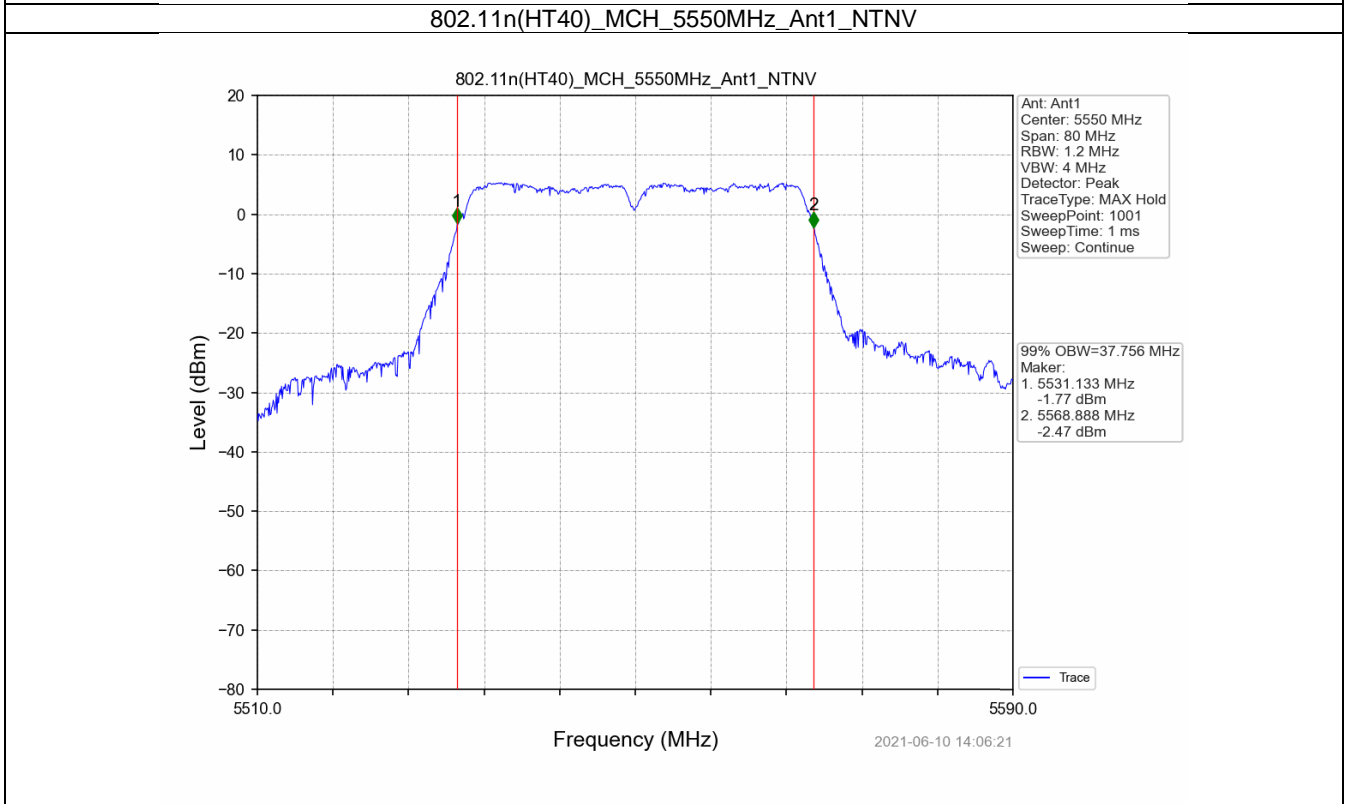
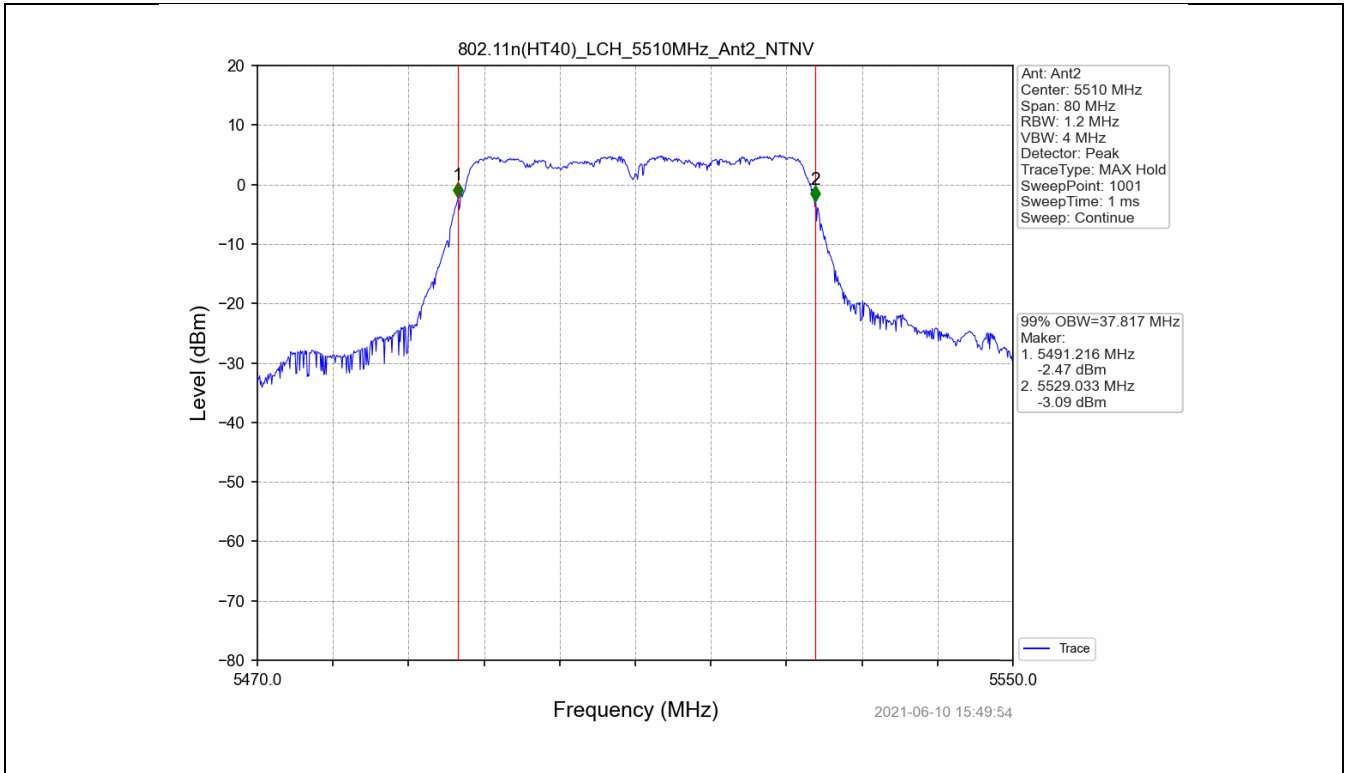
802.11n(HT40)_LCH_5270MHz_Ant2_NTNV



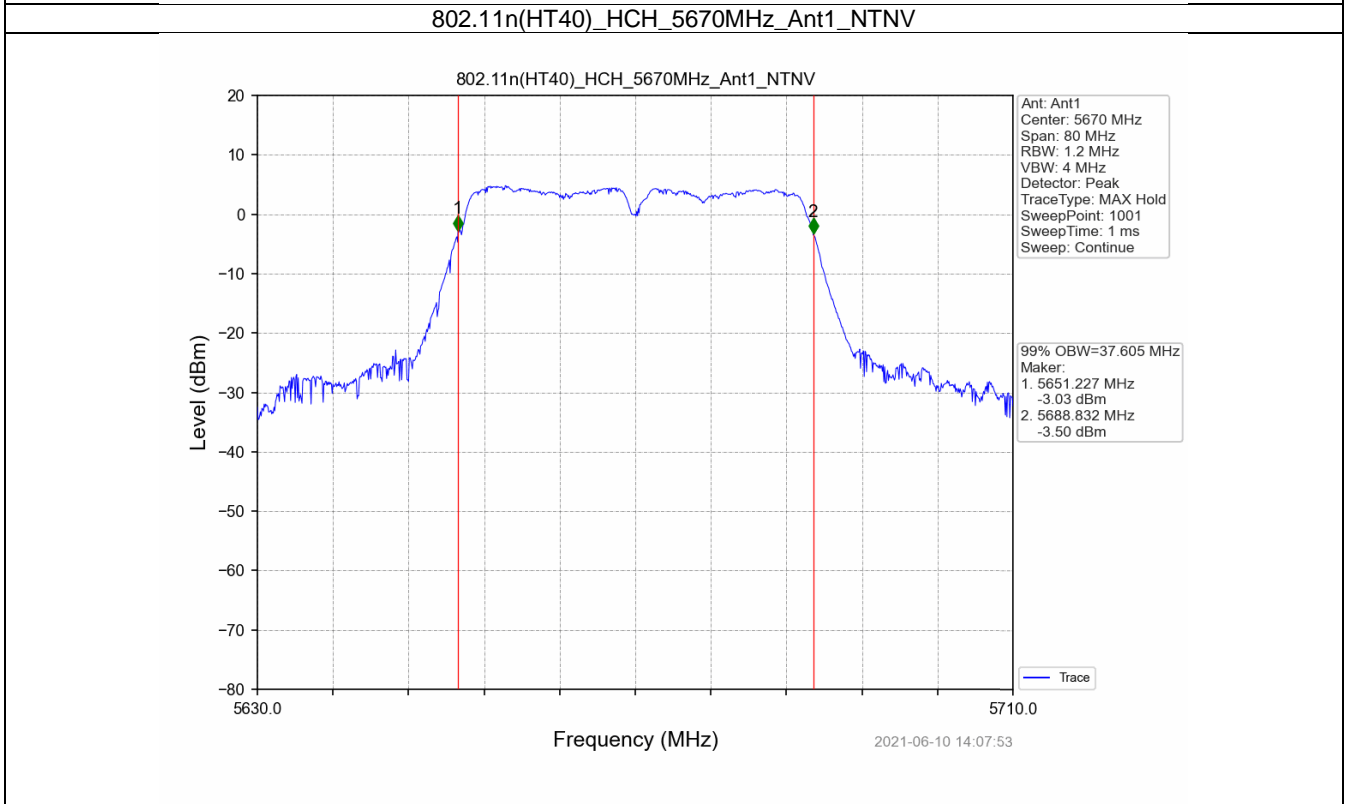
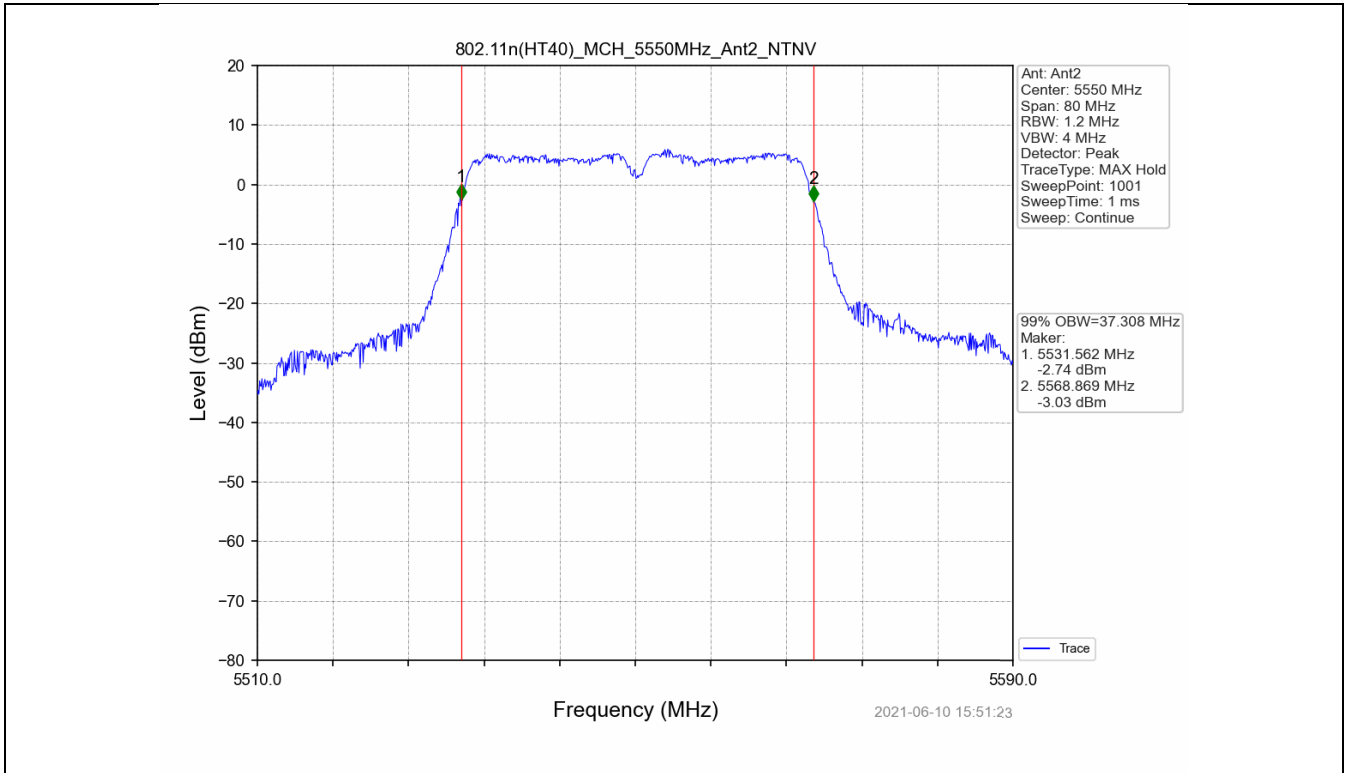
802.11n(HT40)_HCH_5310MHz_Ant2_NTNV



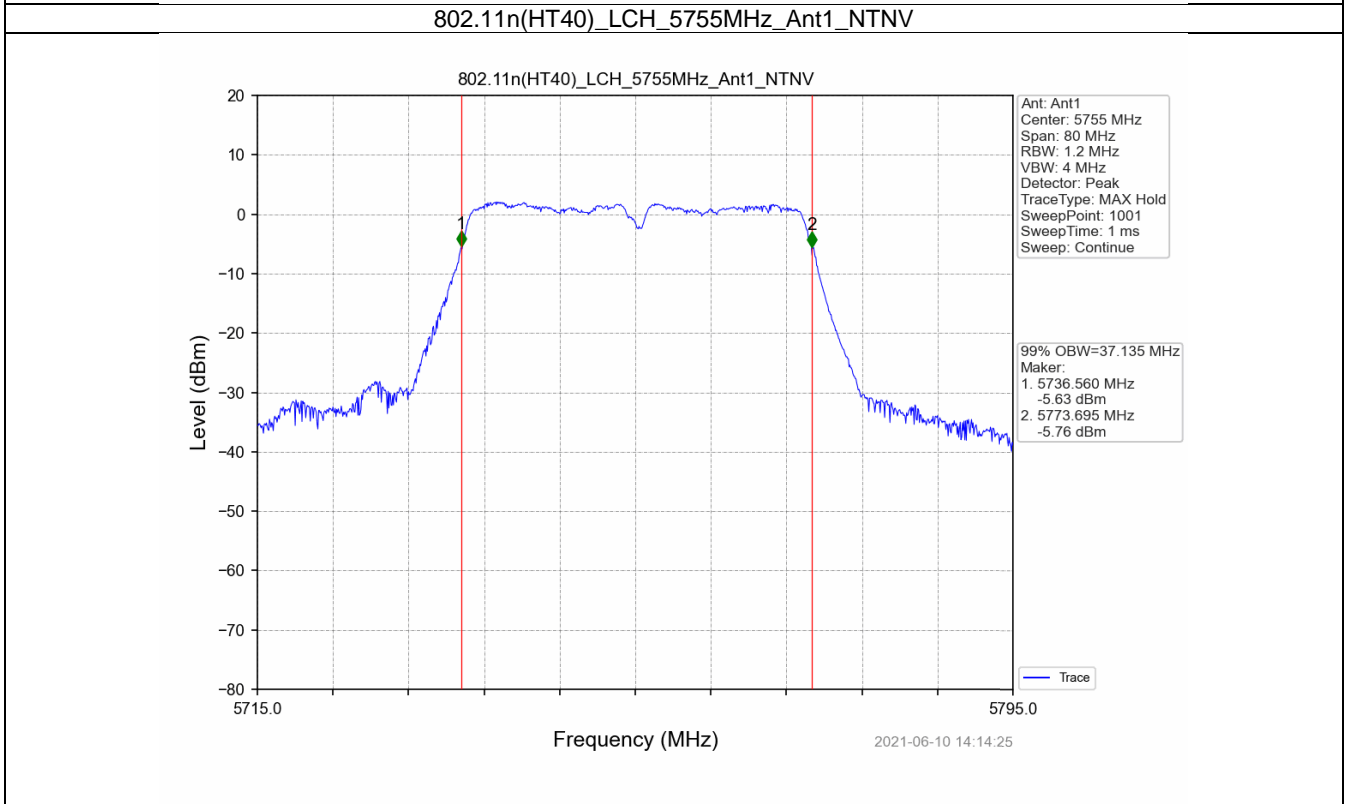
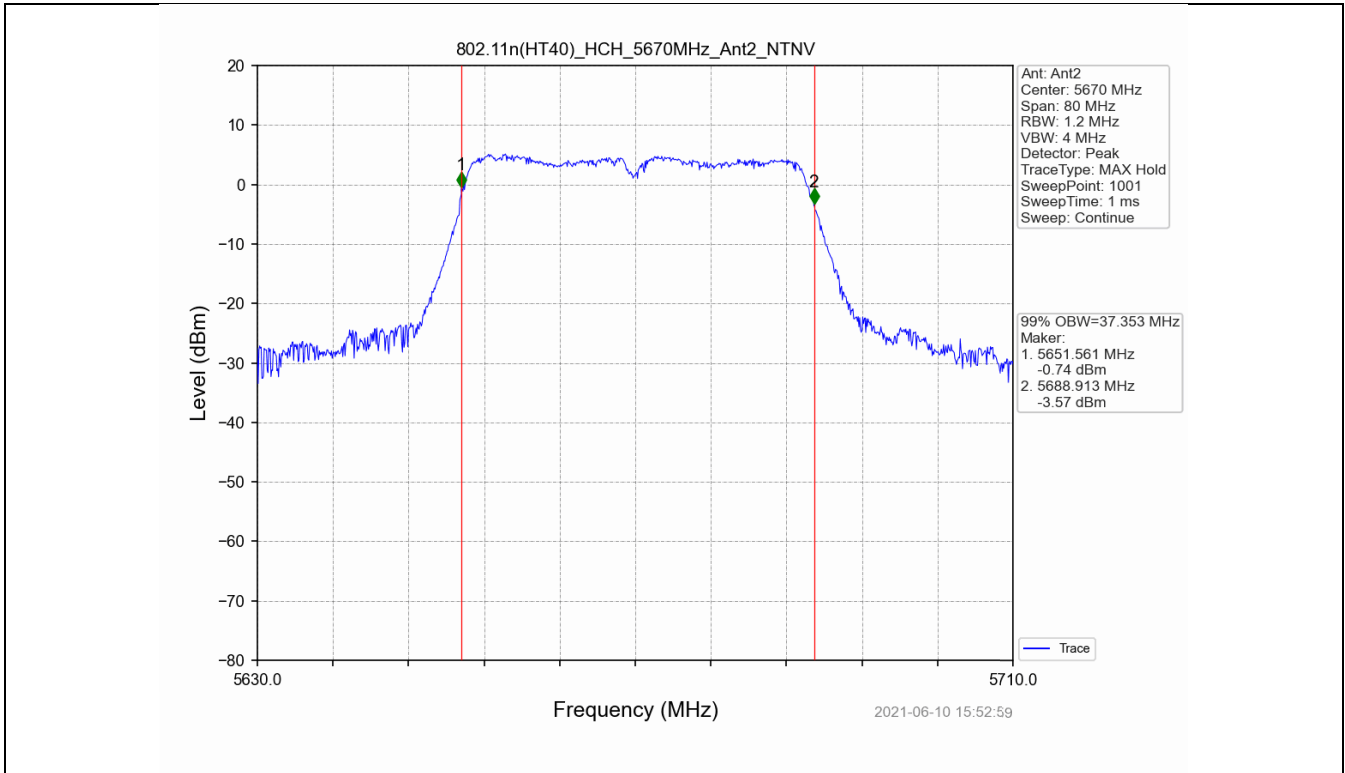
802.11n(HT40)_LCH_5510MHz_Ant2_NTNV



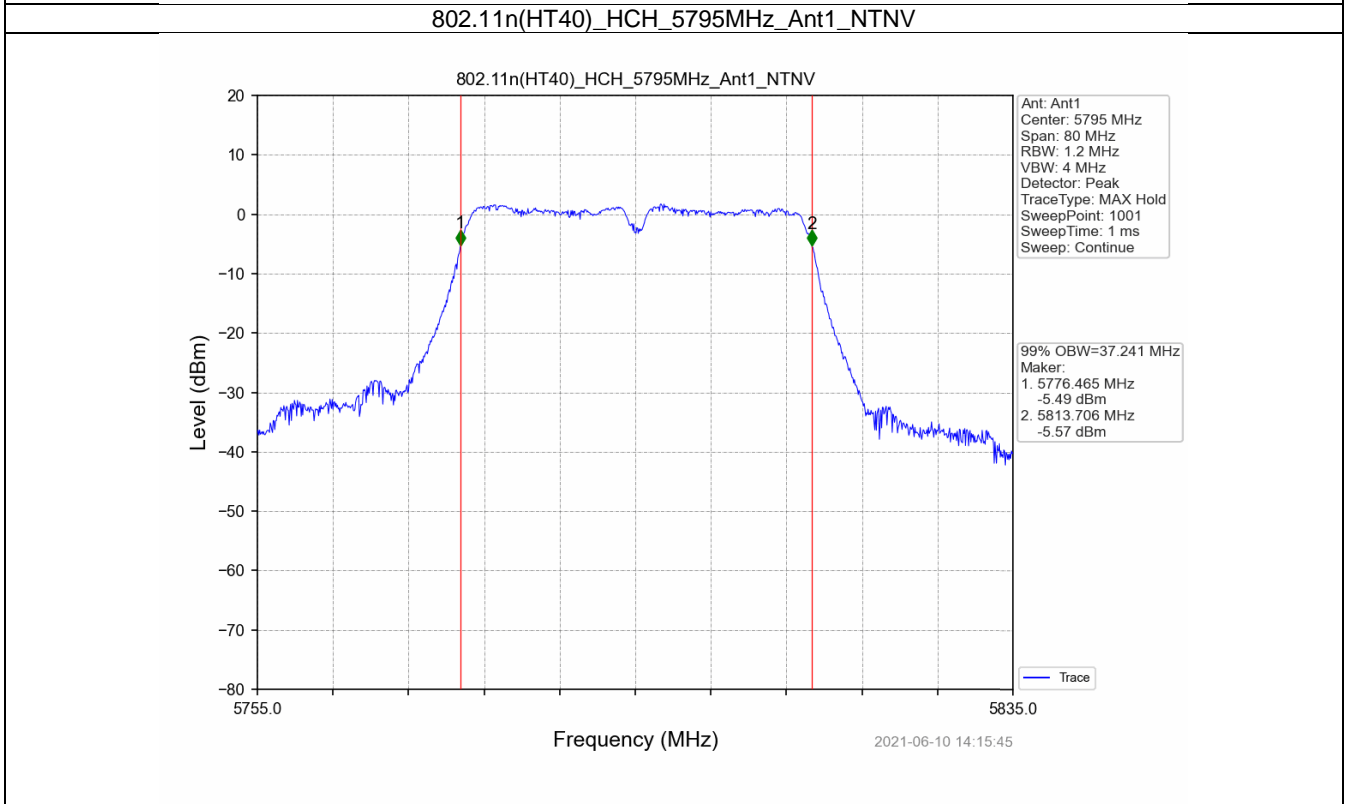
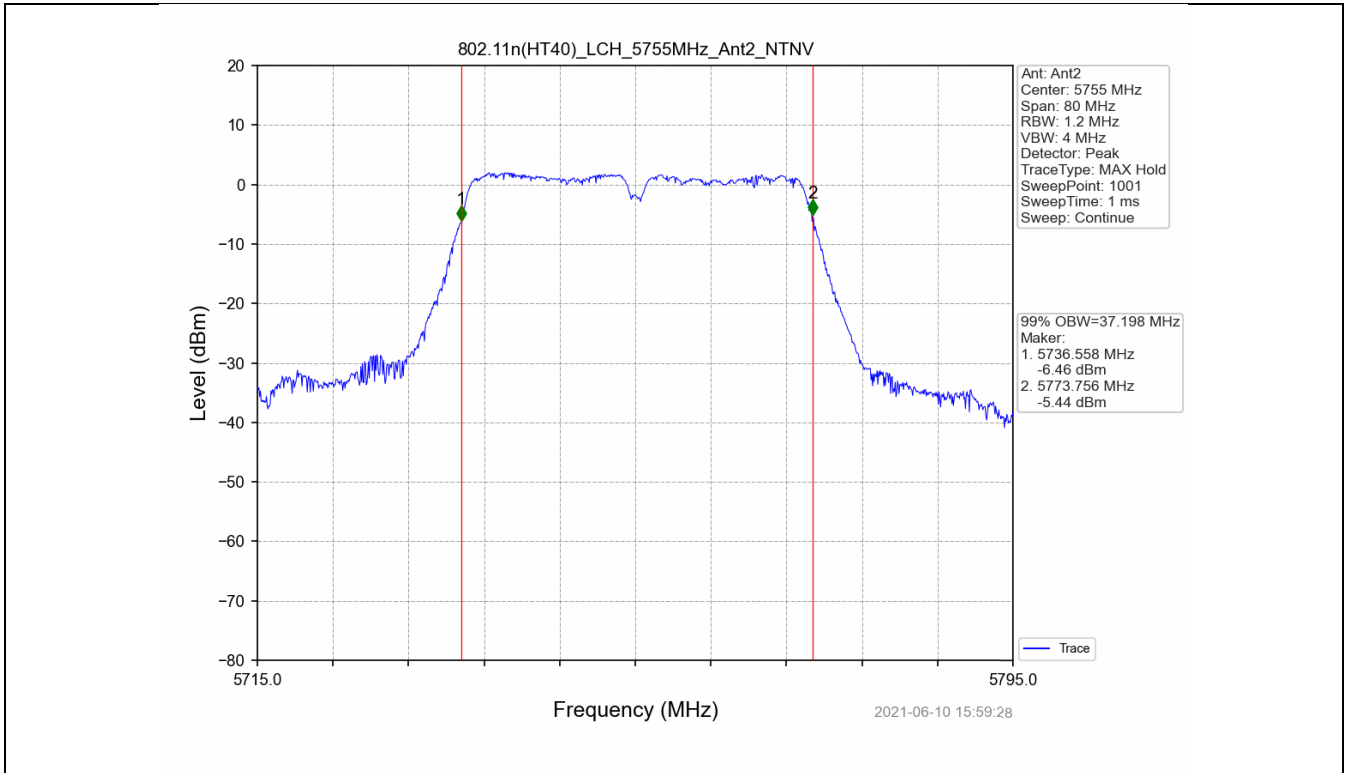
802.11n(HT40)_MCH_5550MHz_Ant2_NTNV



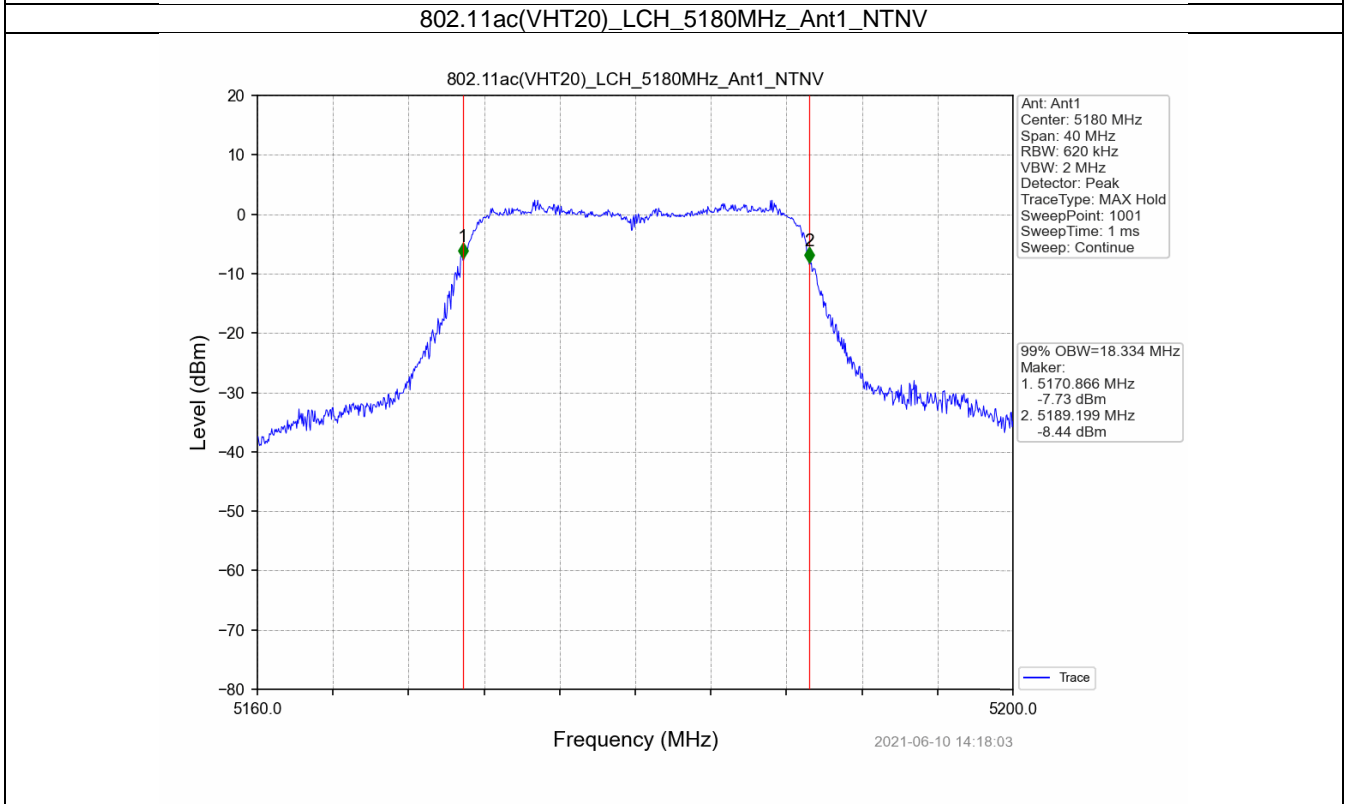
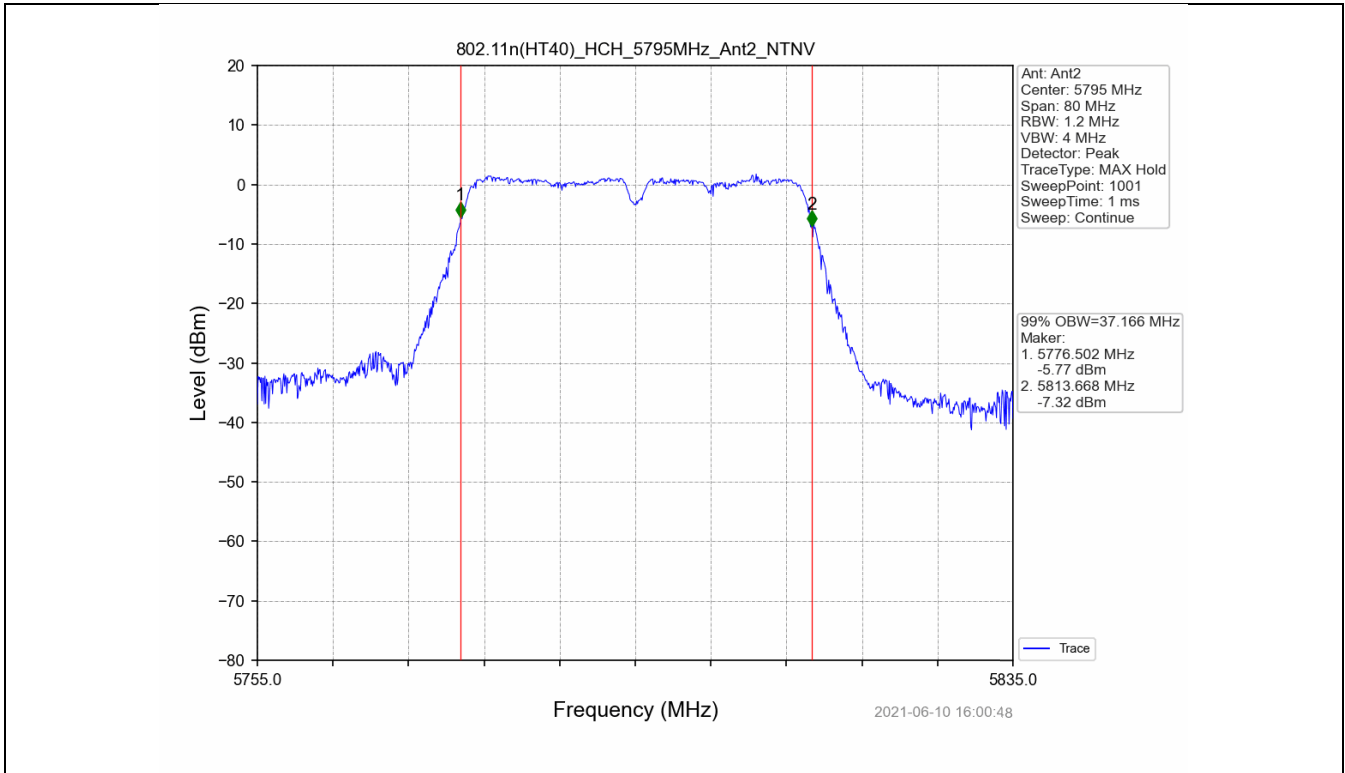
802.11n(HT40)_HCH_5670MHz_Ant2_NTNV



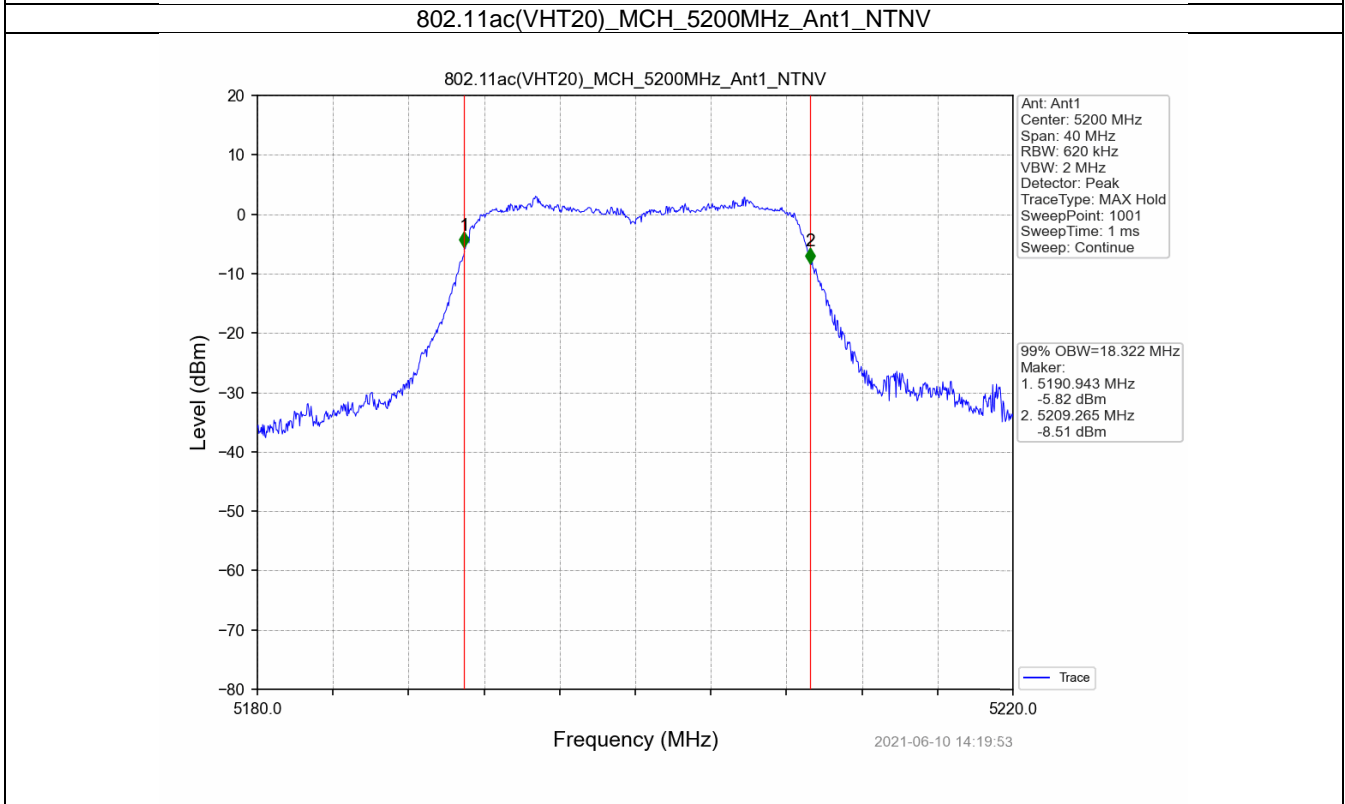
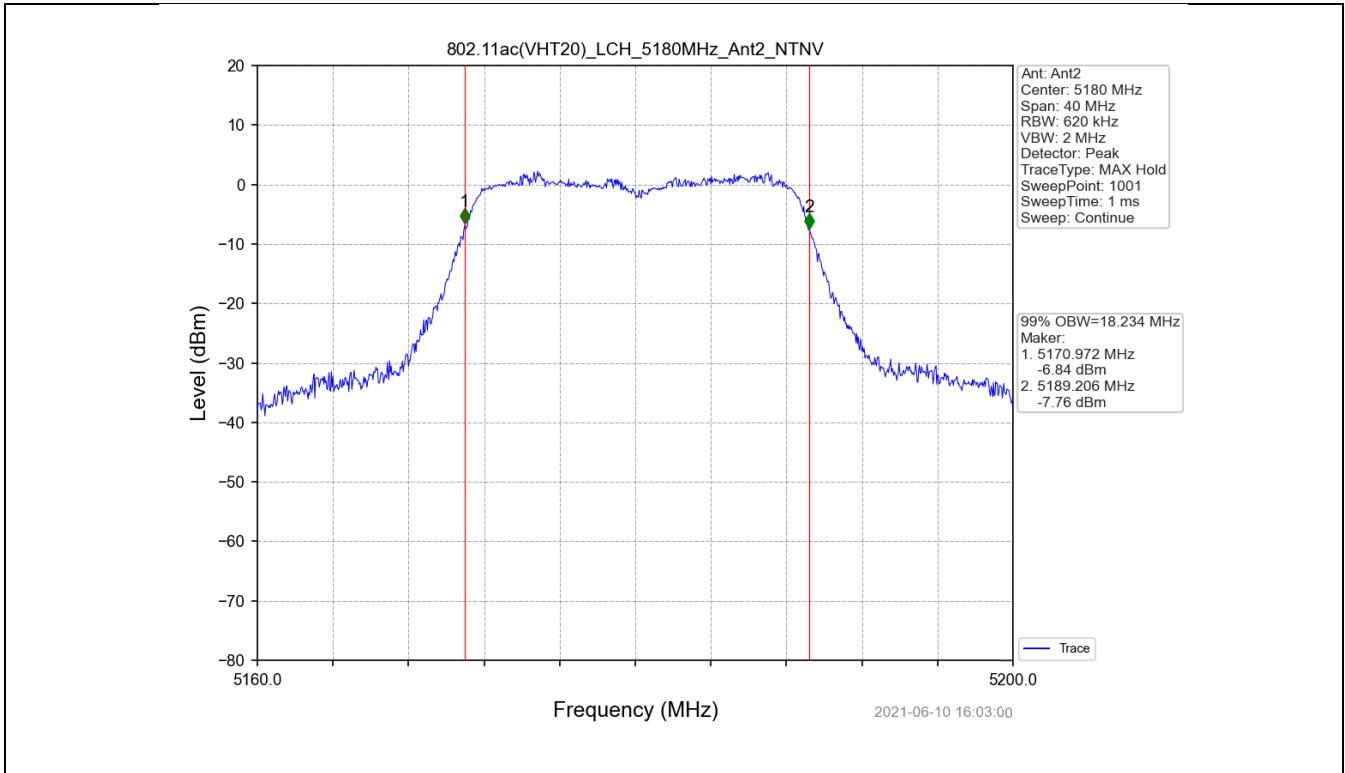
802.11n(HT40)_LCH_5755MHz_Ant2_NTNV



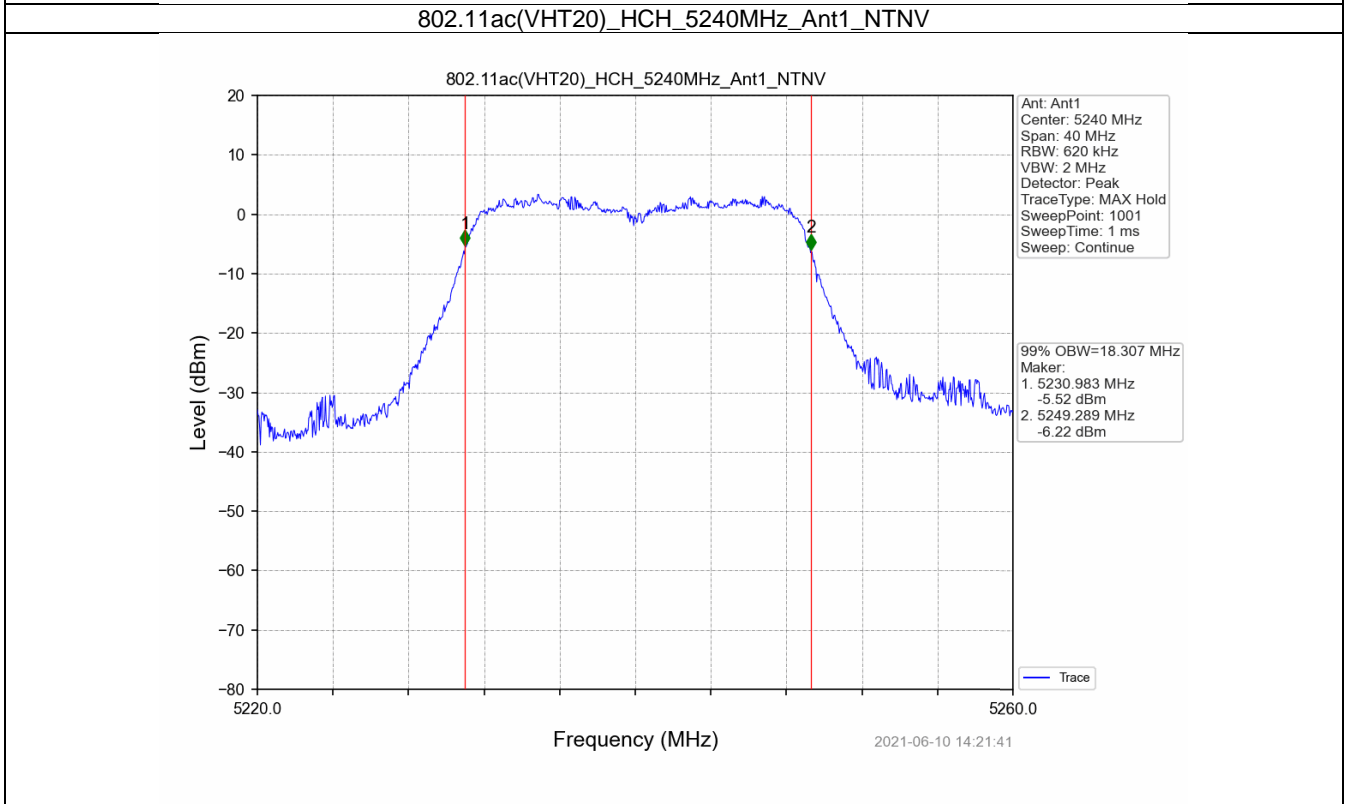
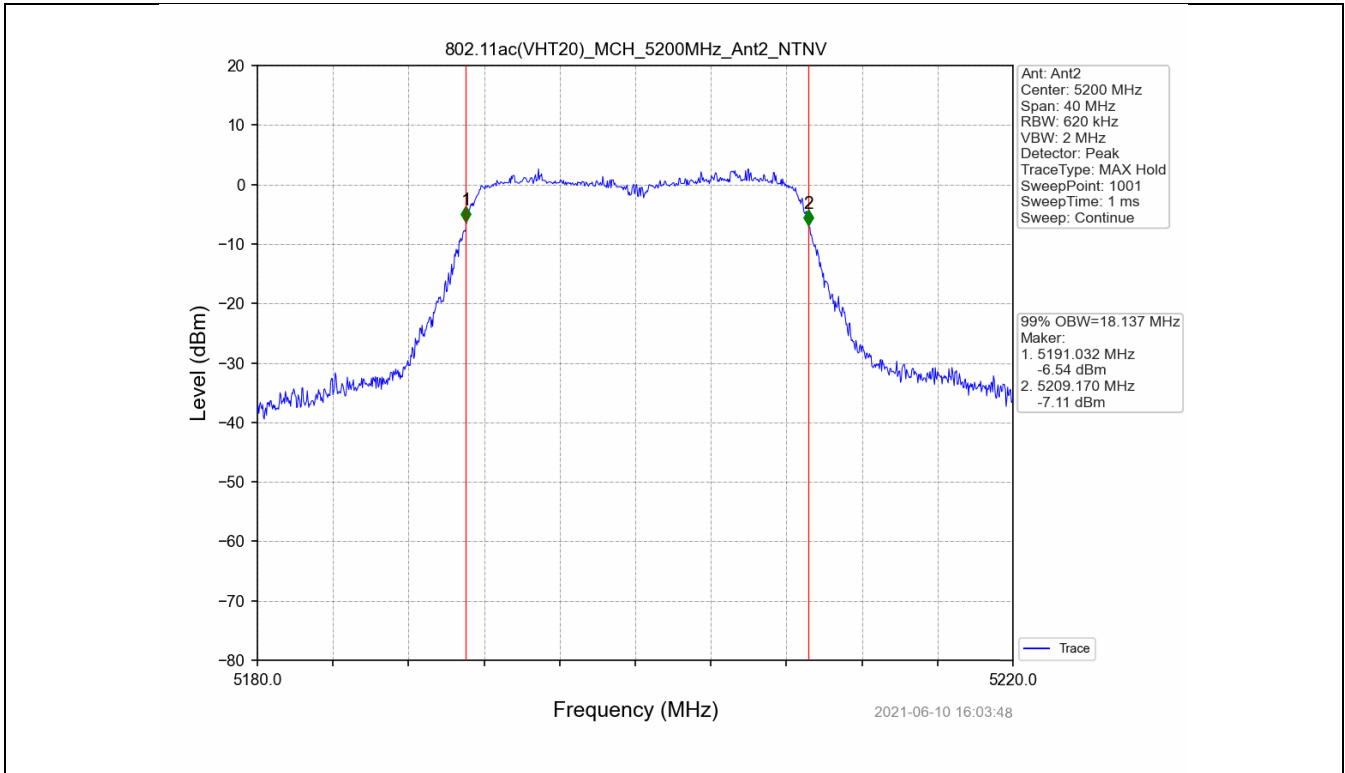
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



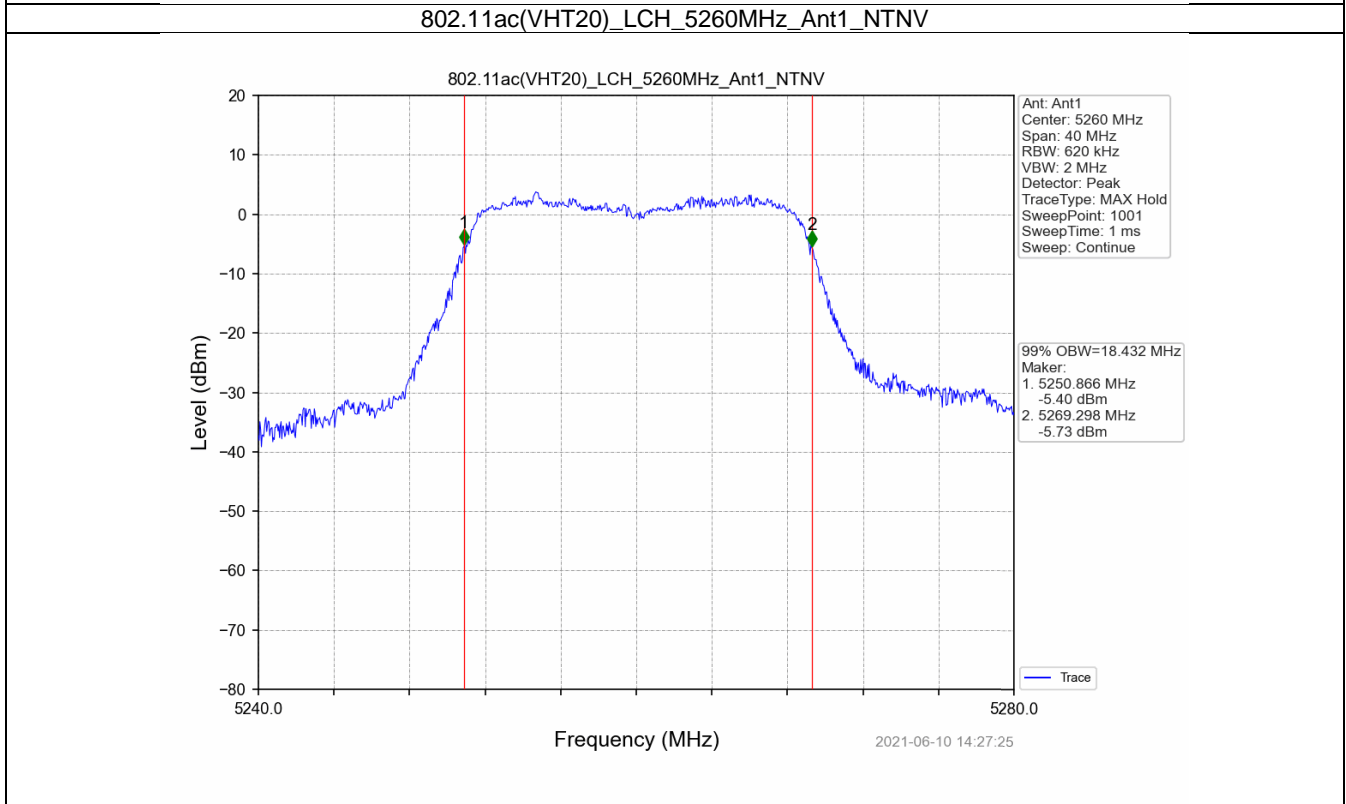
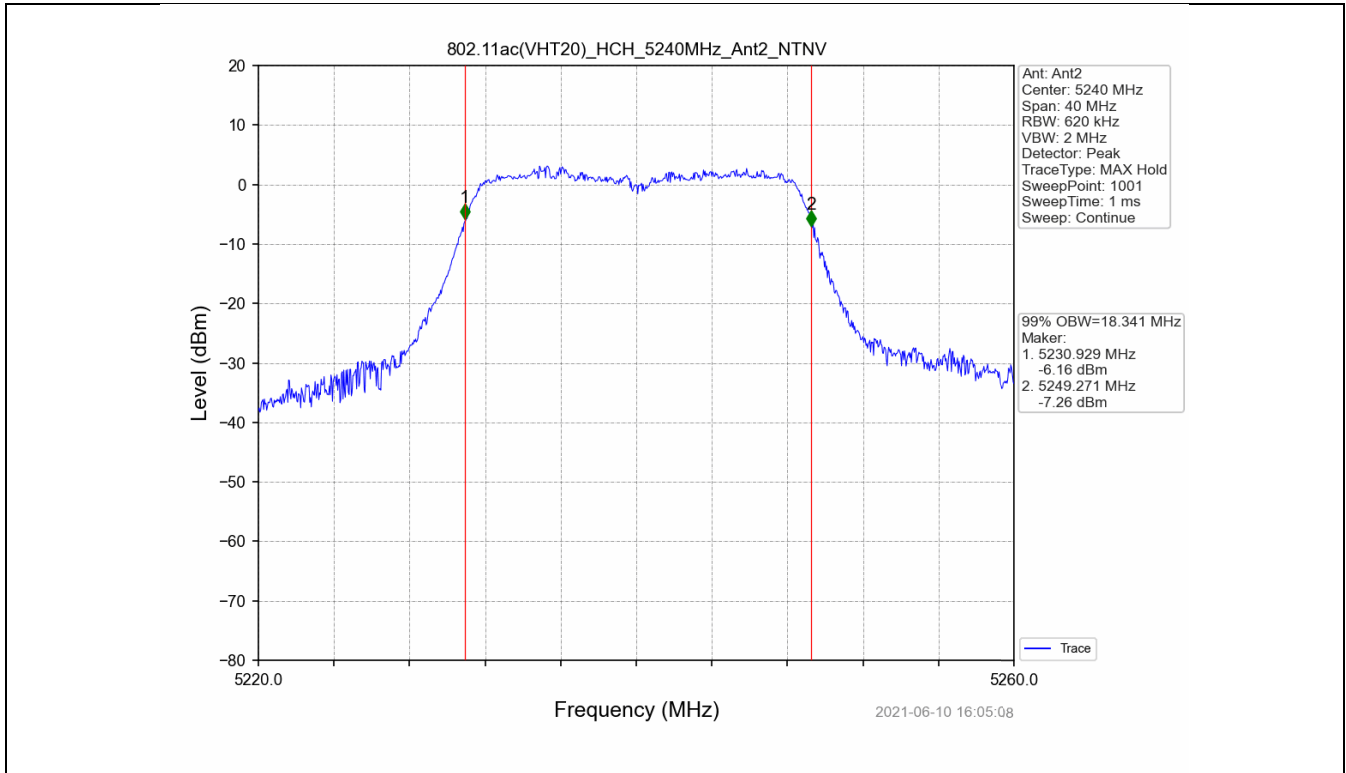
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



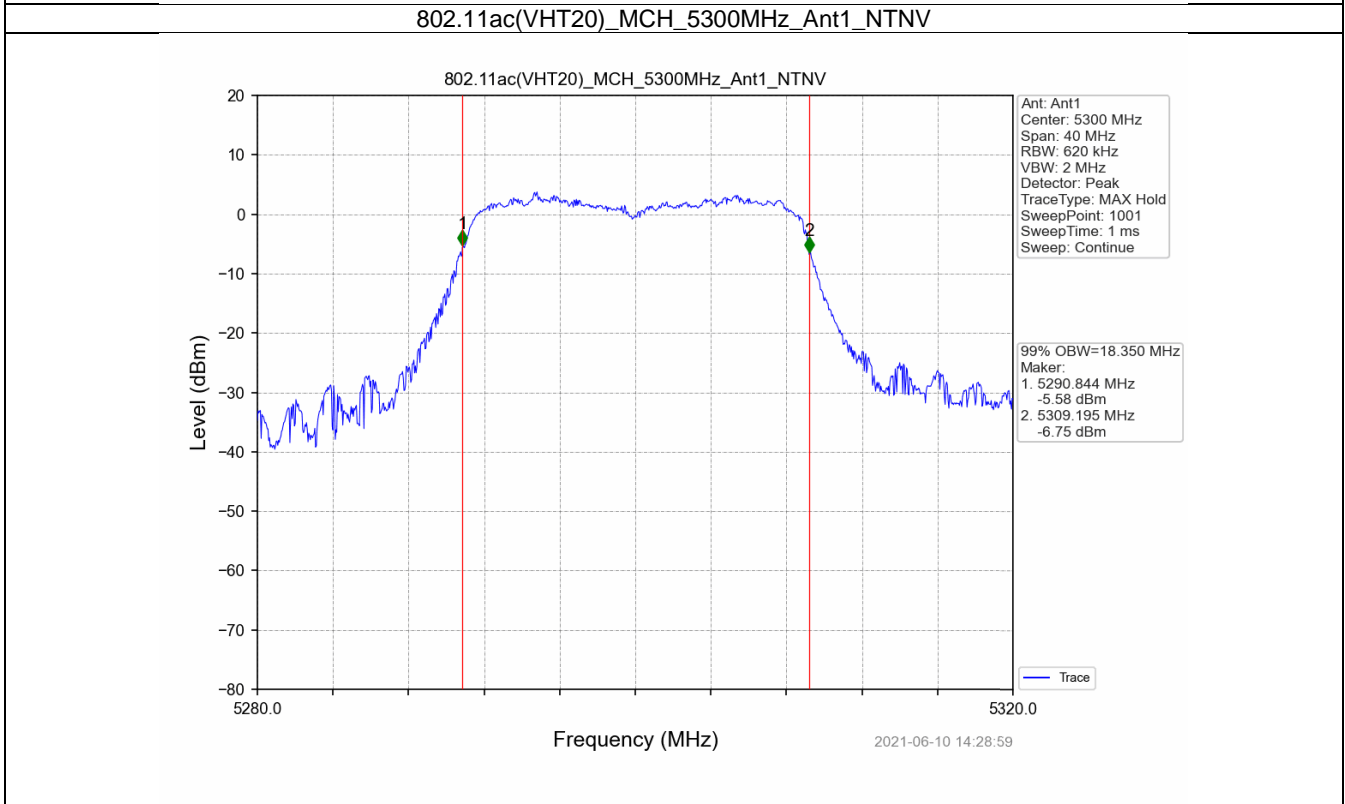
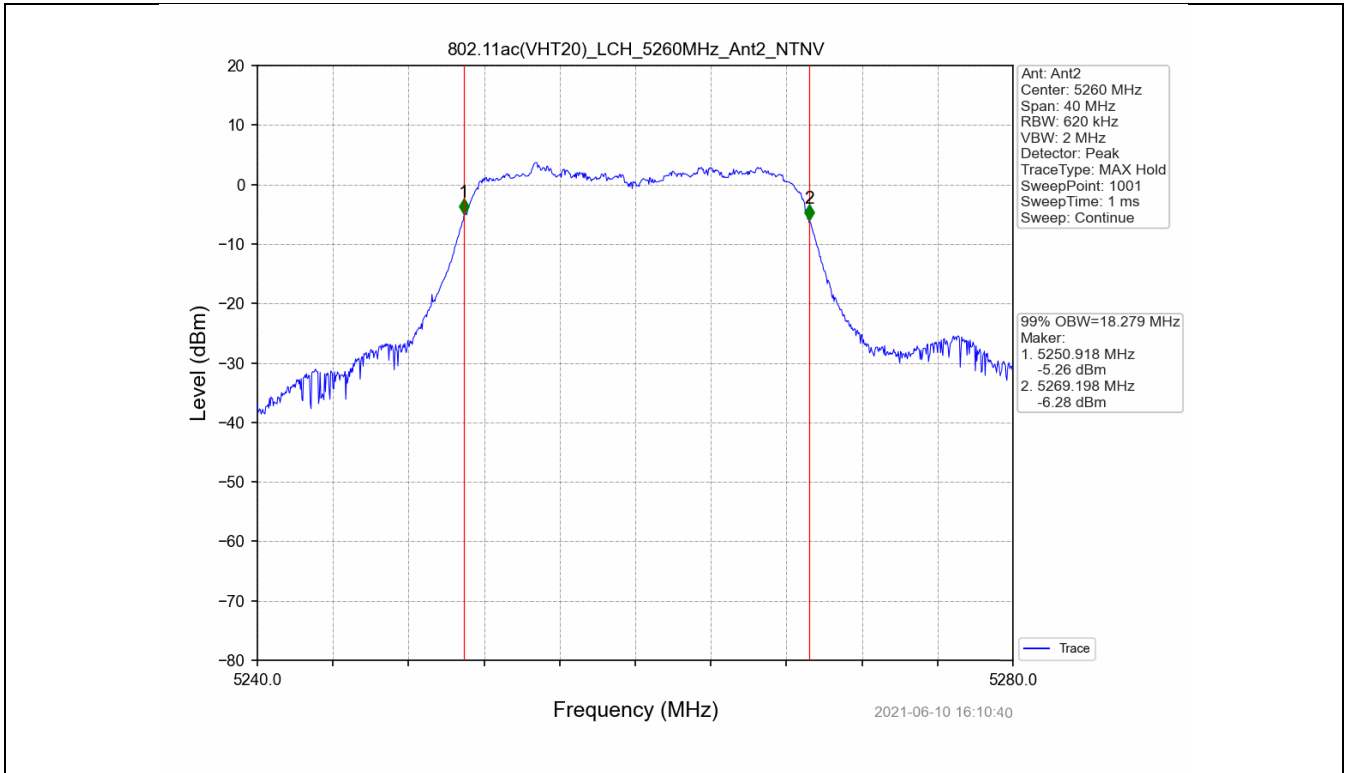
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



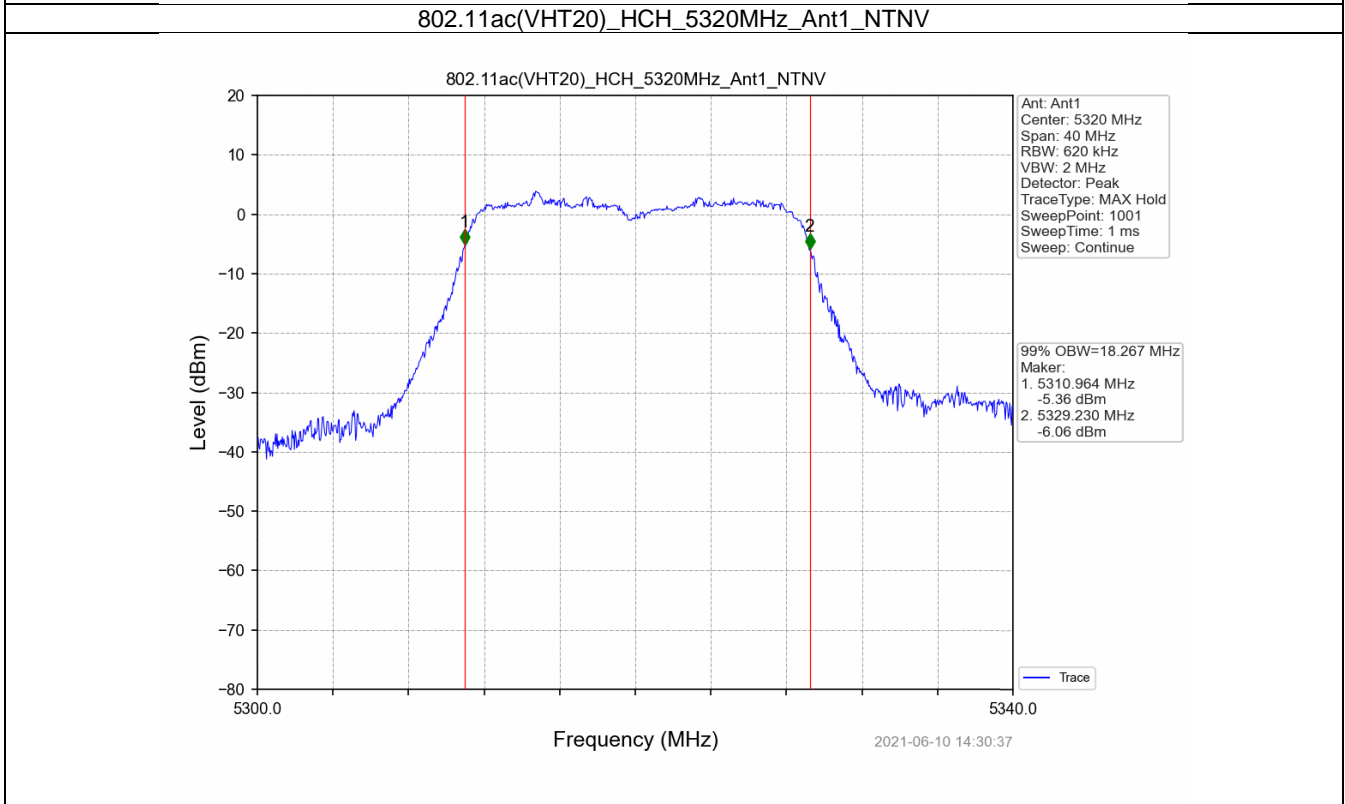
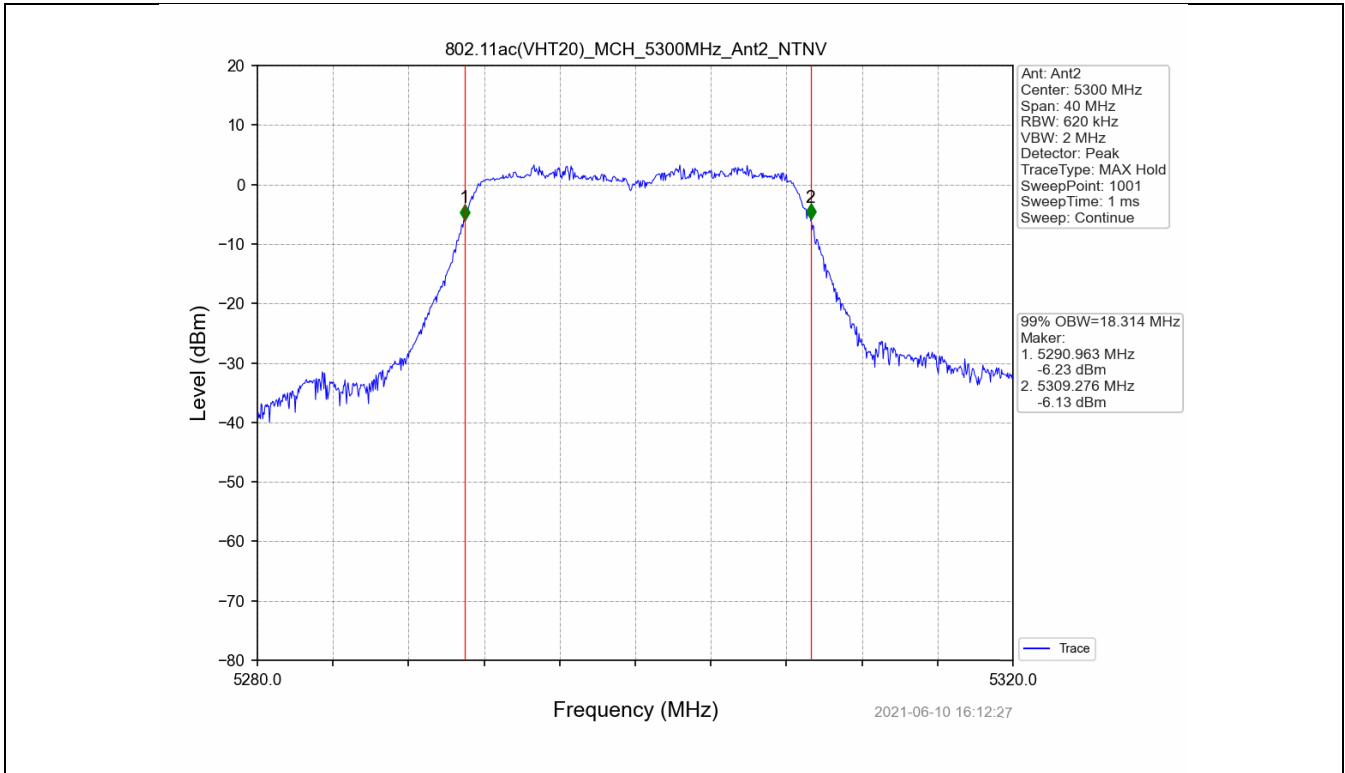
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



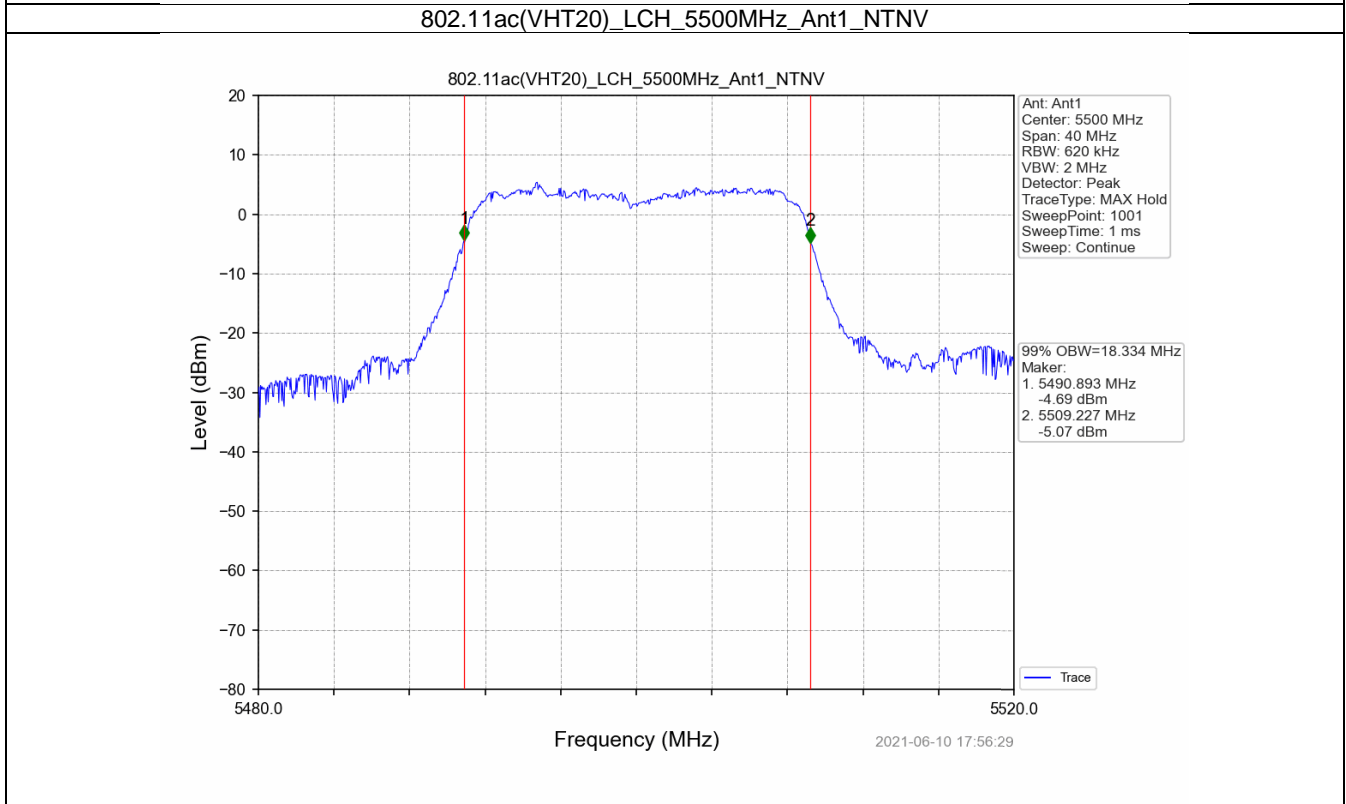
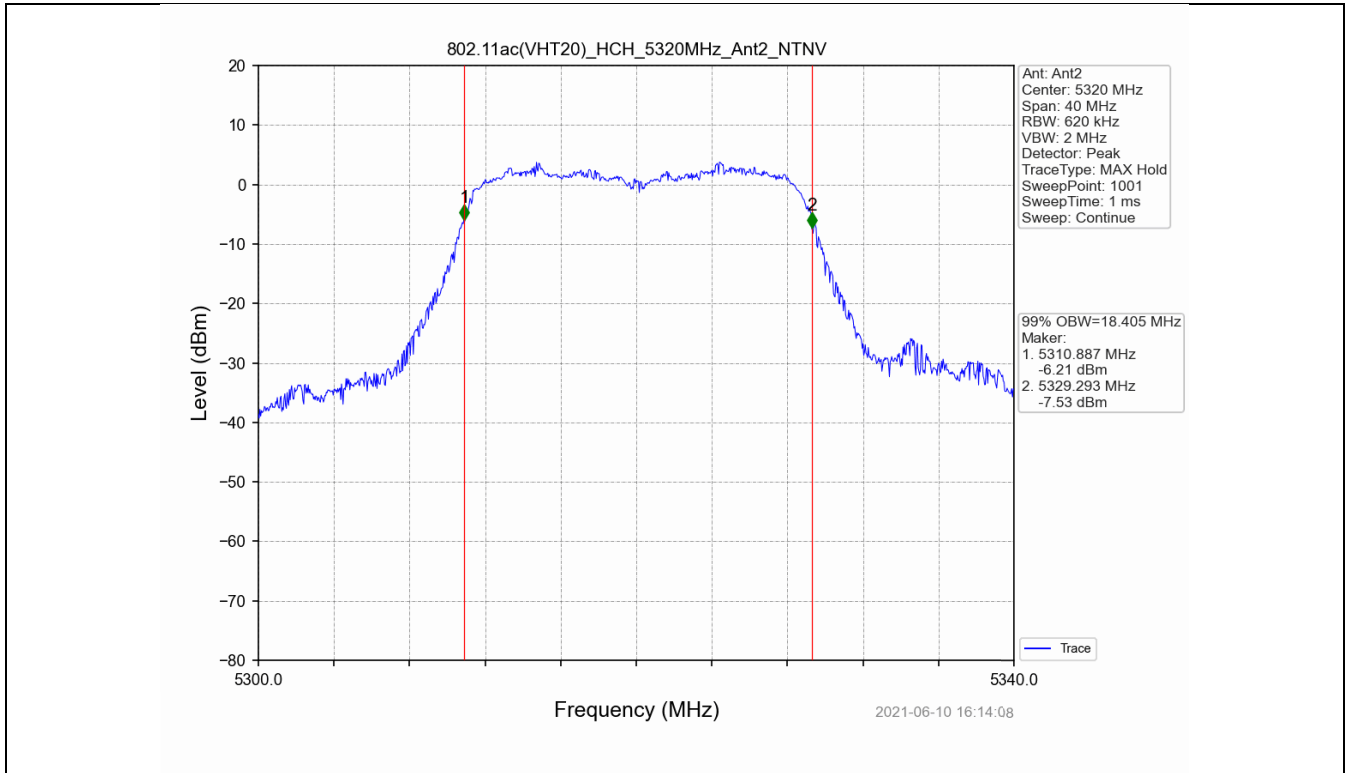
802.11ac(VHT20)_LCH_5260MHz_Ant2_NTNV



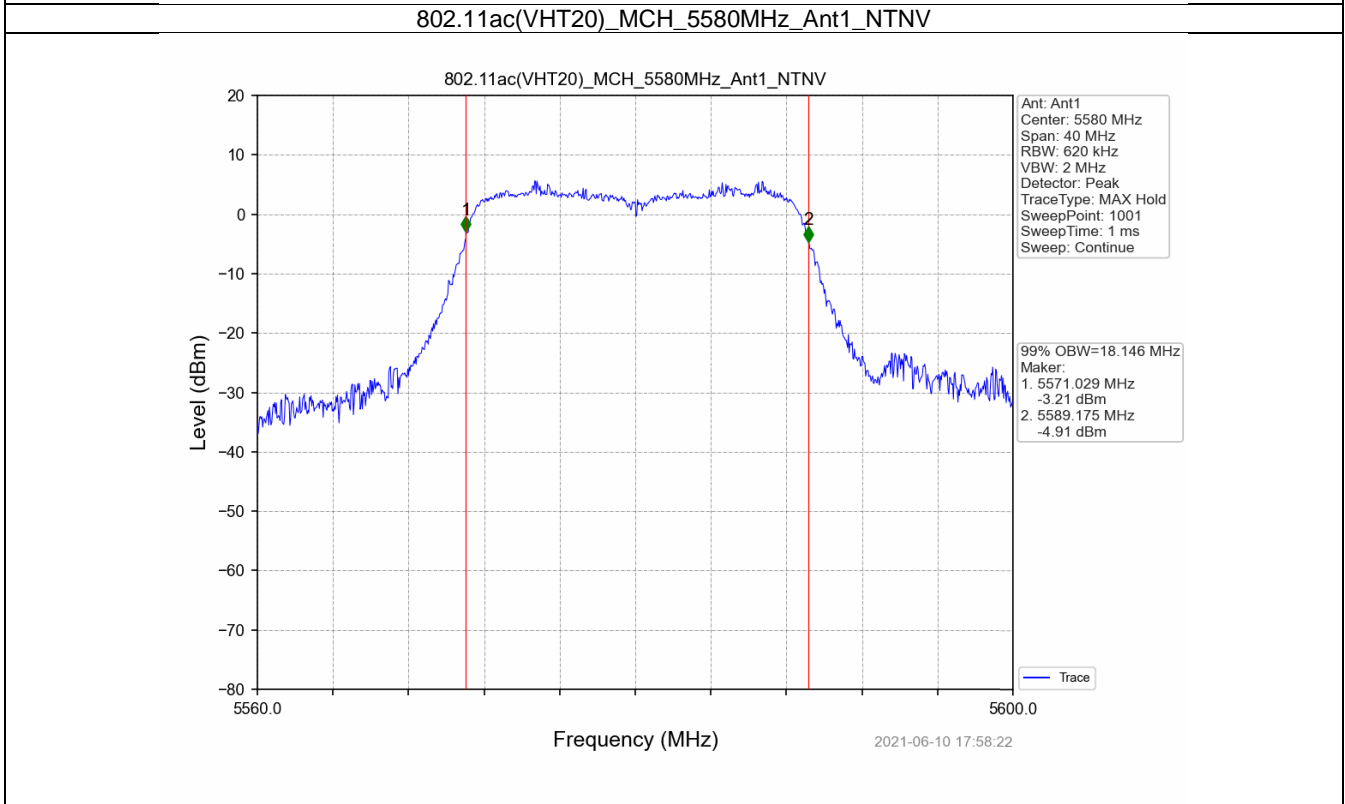
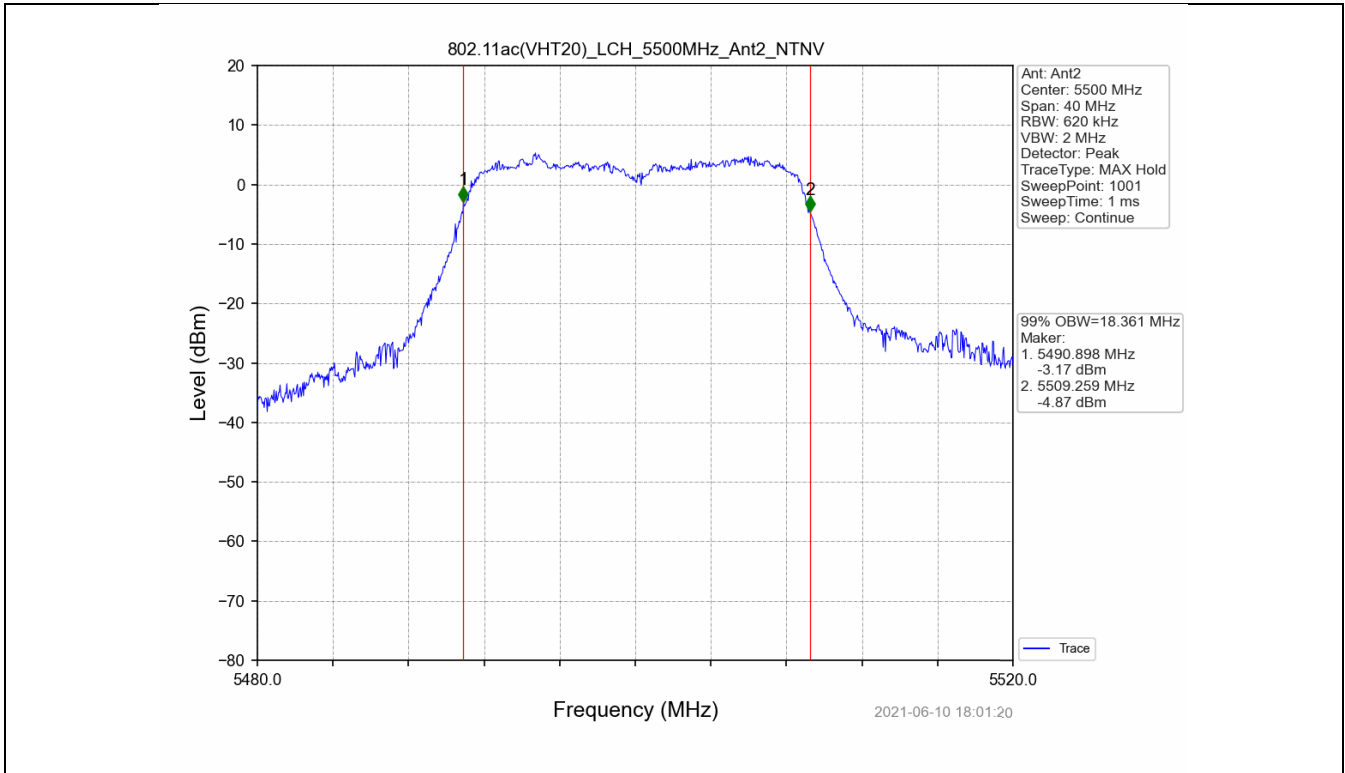
802.11ac(VHT20)_MCH_5300MHz_Ant2_NTNV



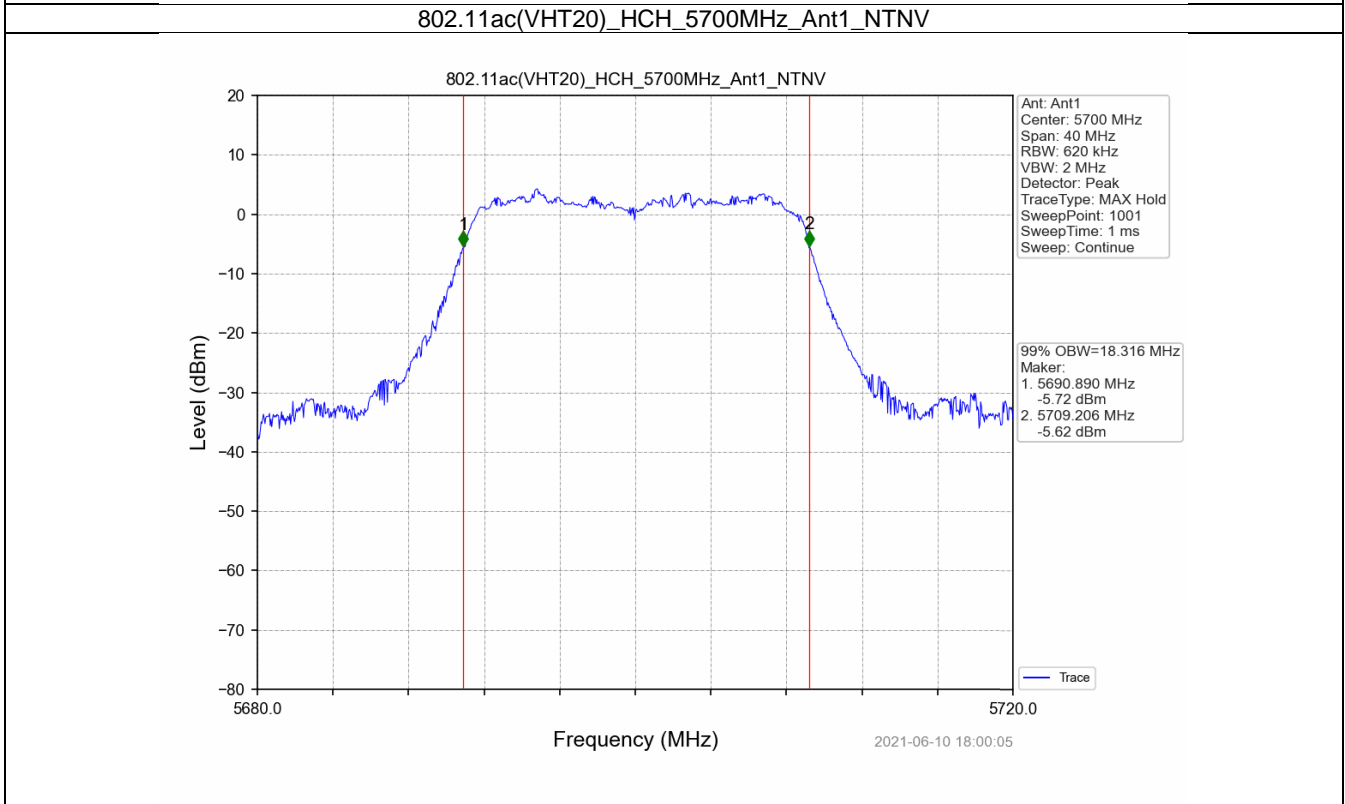
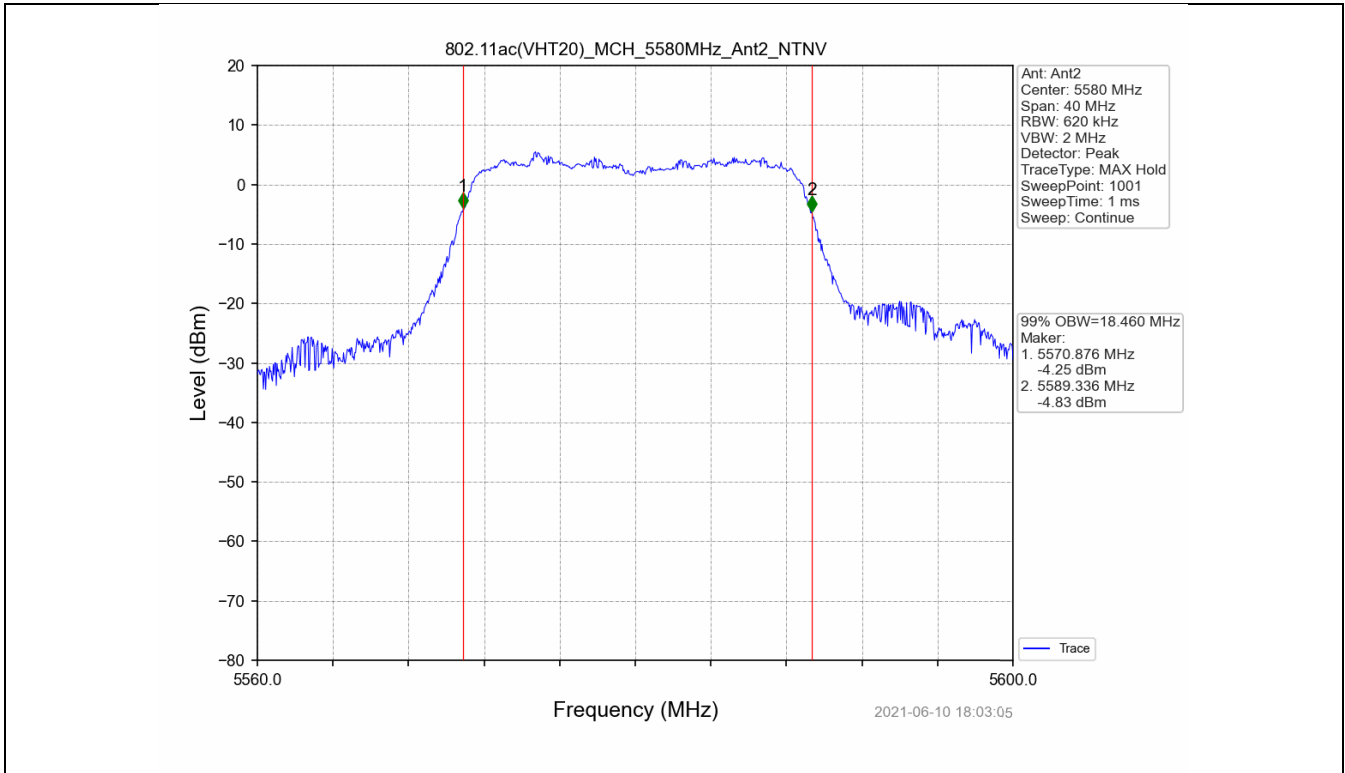
802.11ac(VHT20)_HCH_5320MHz_Ant2_NTNV



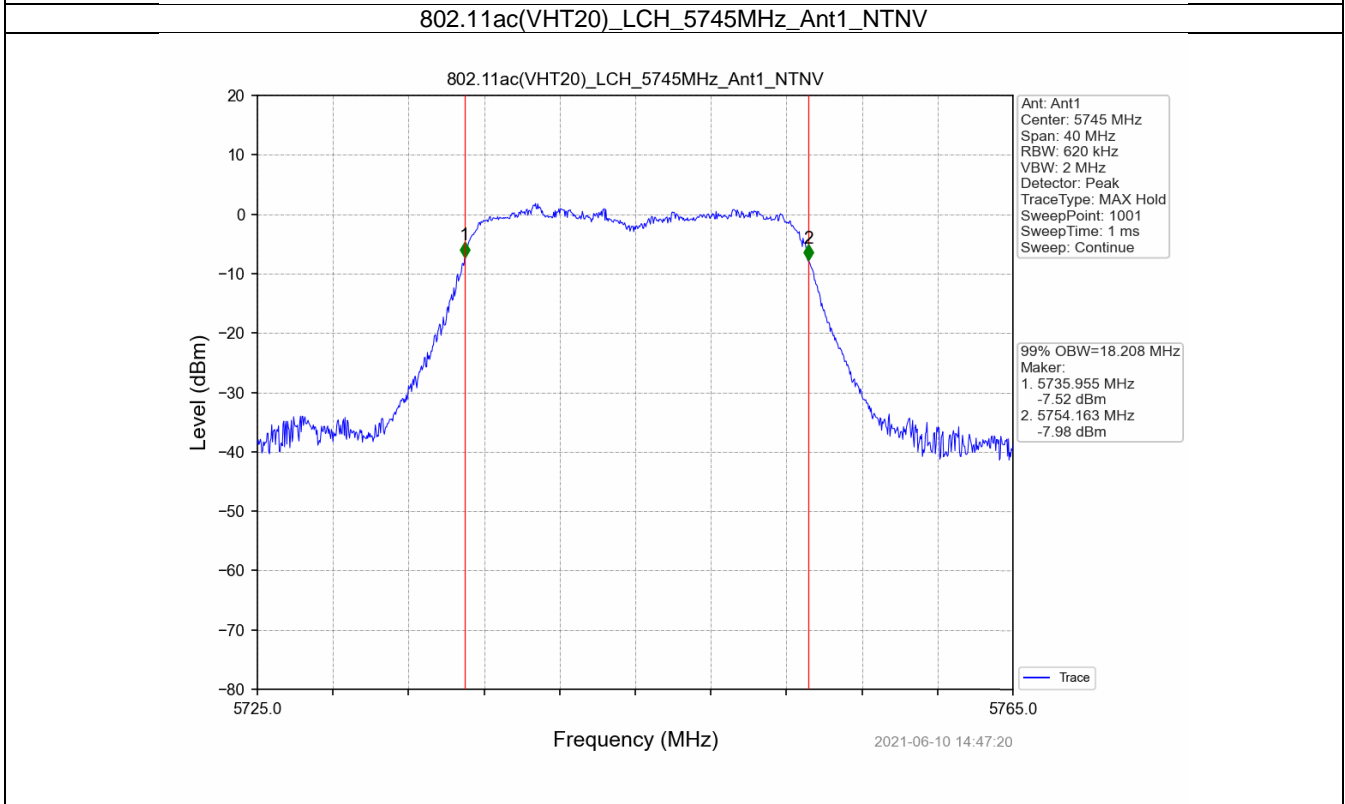
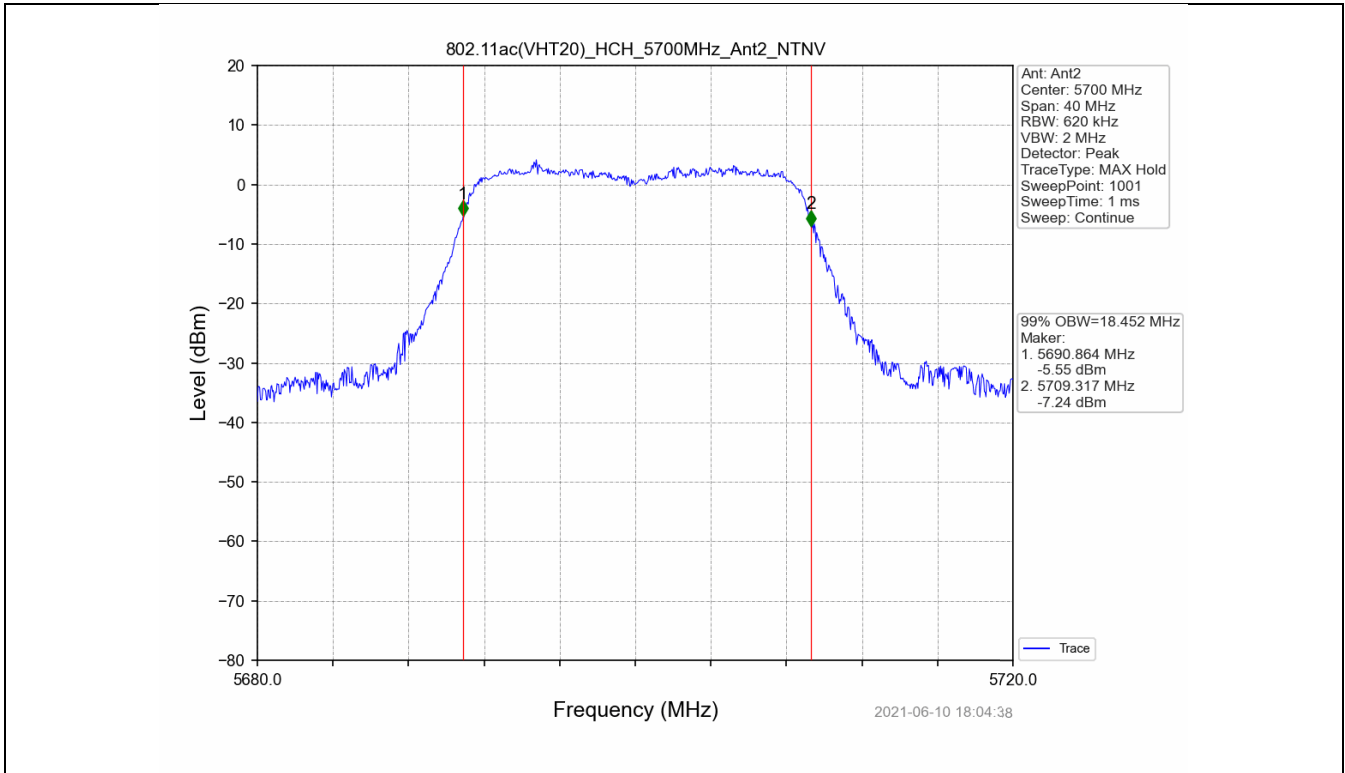
802.11ac(VHT20)_LCH_5500MHz_Ant2_NTNV



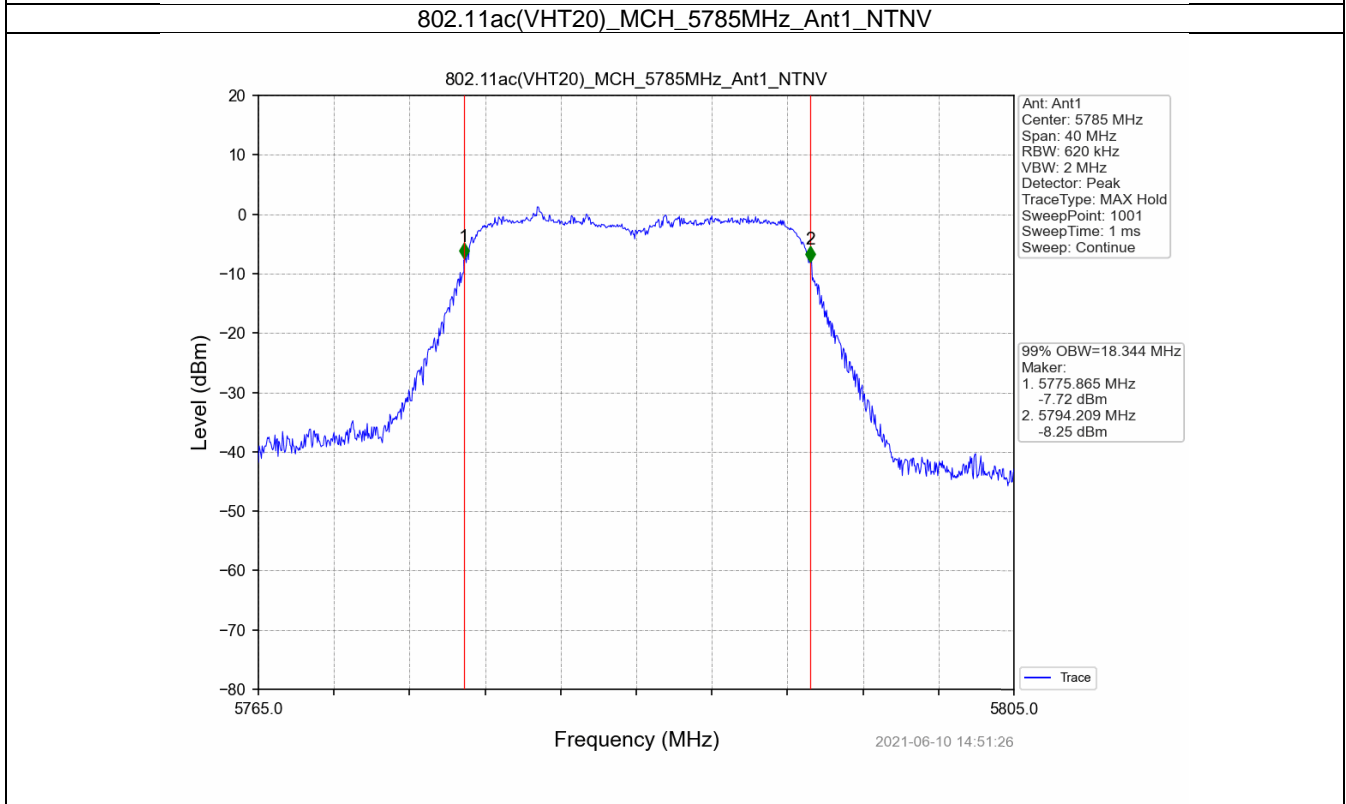
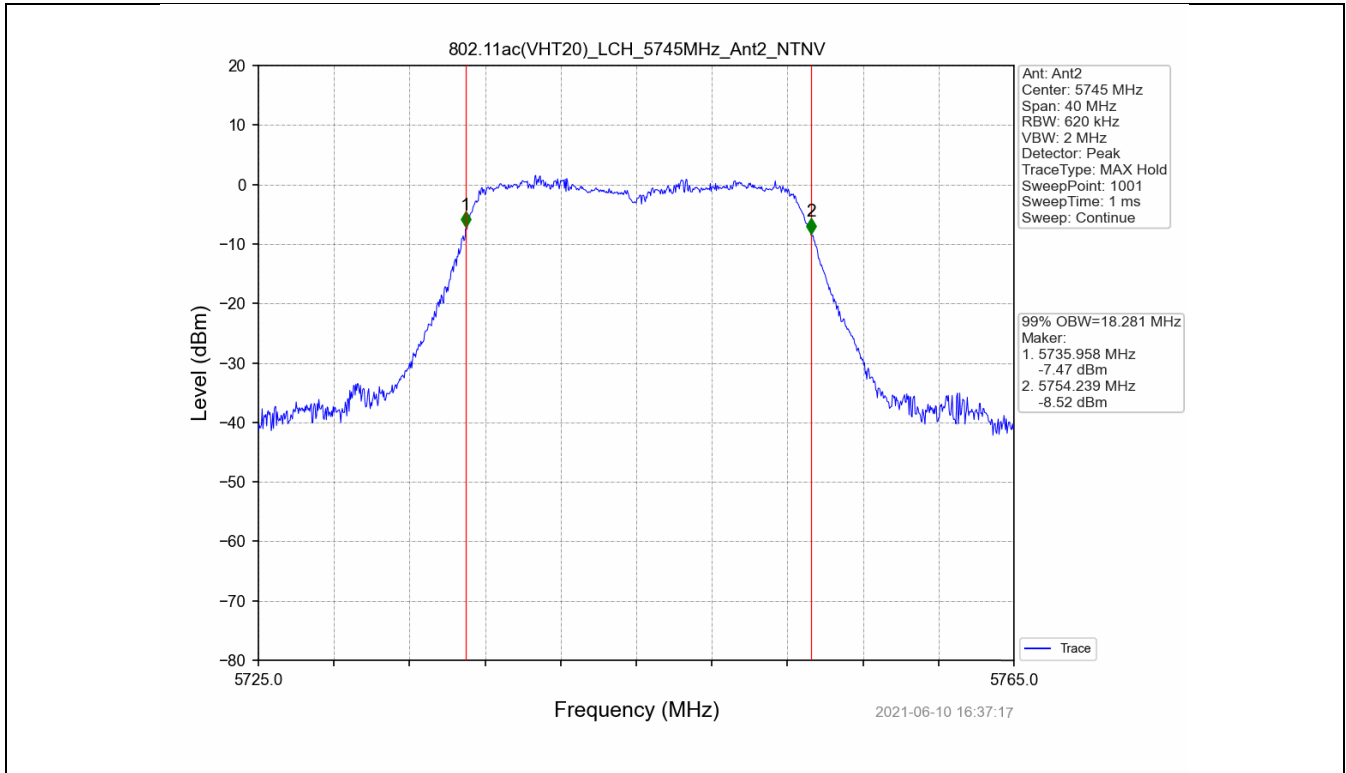
802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV



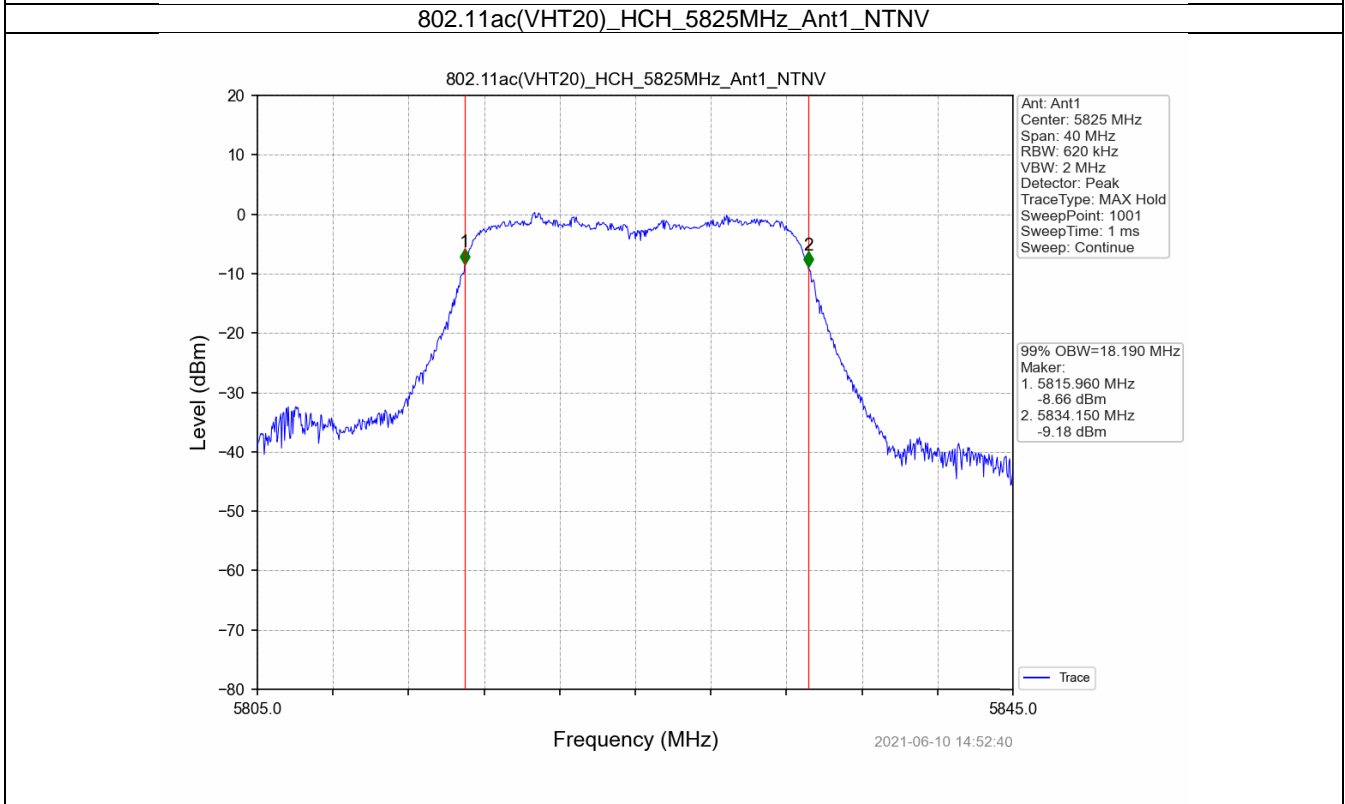
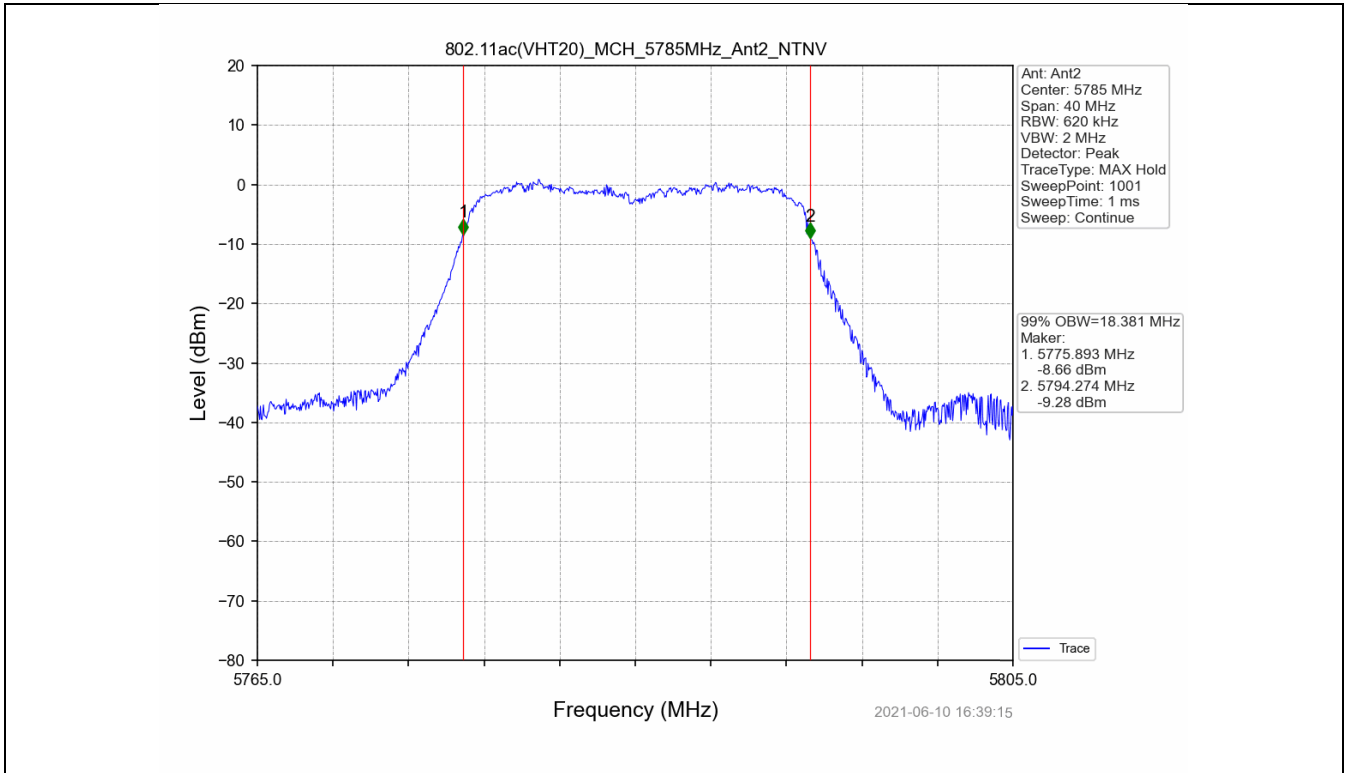
802.11ac(VHT20)_HCH_5700MHz_Ant2_NTNV



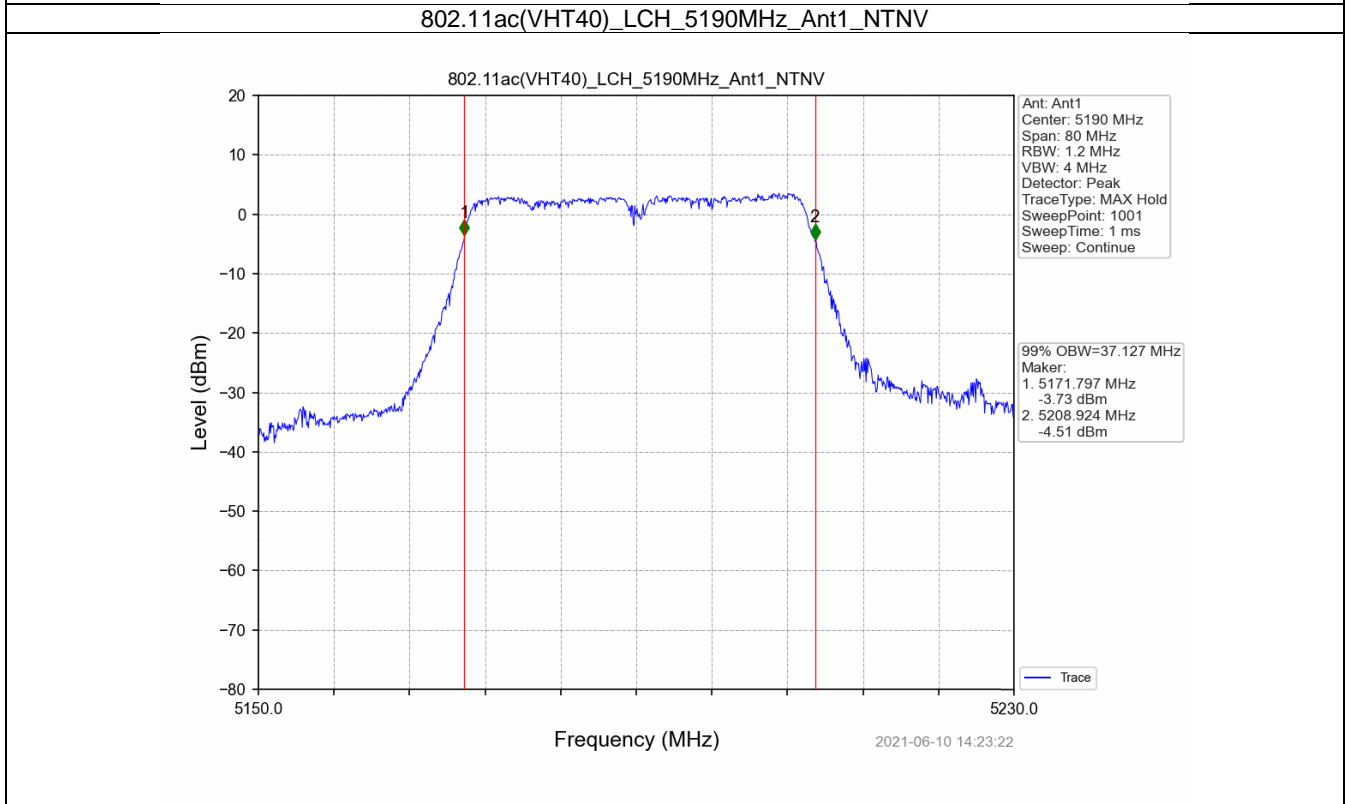
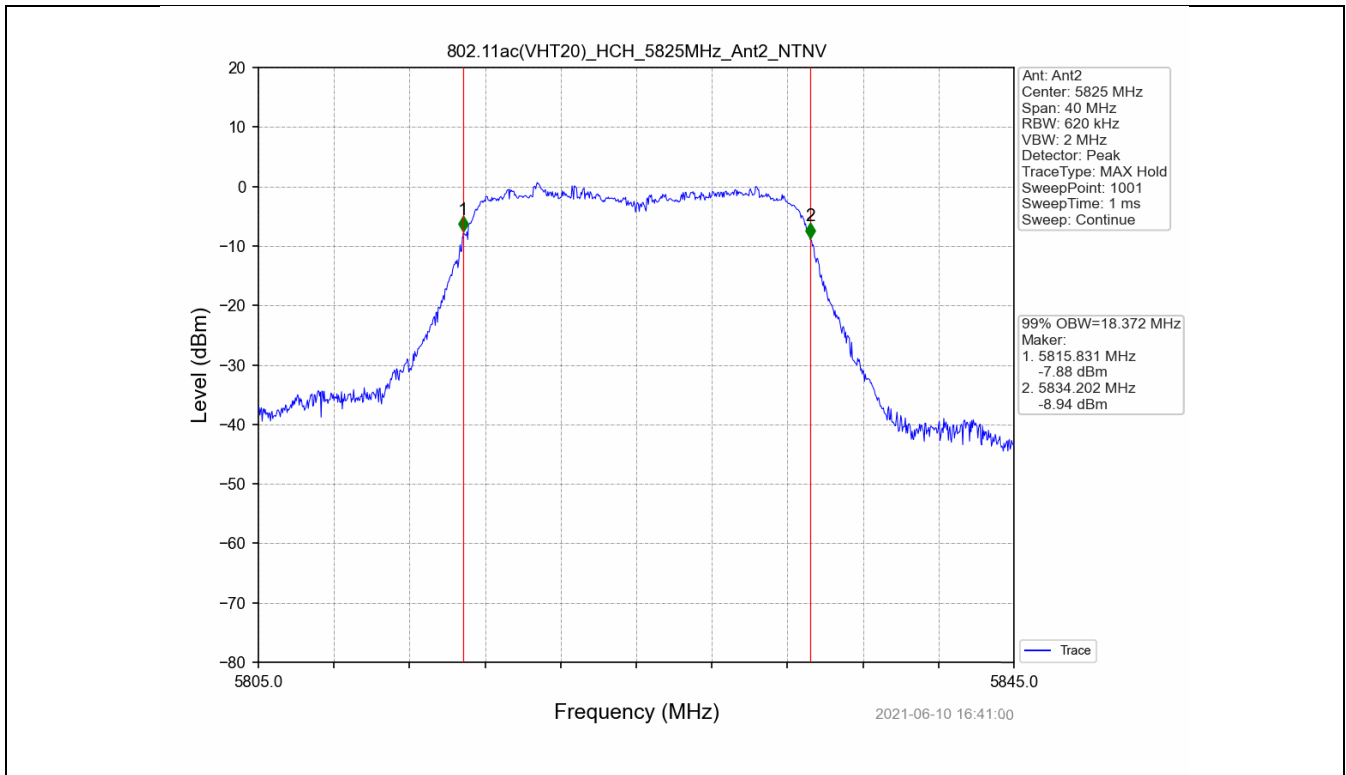
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV