

Appendix RF test data for WIFI5G

1. Duty Cycle

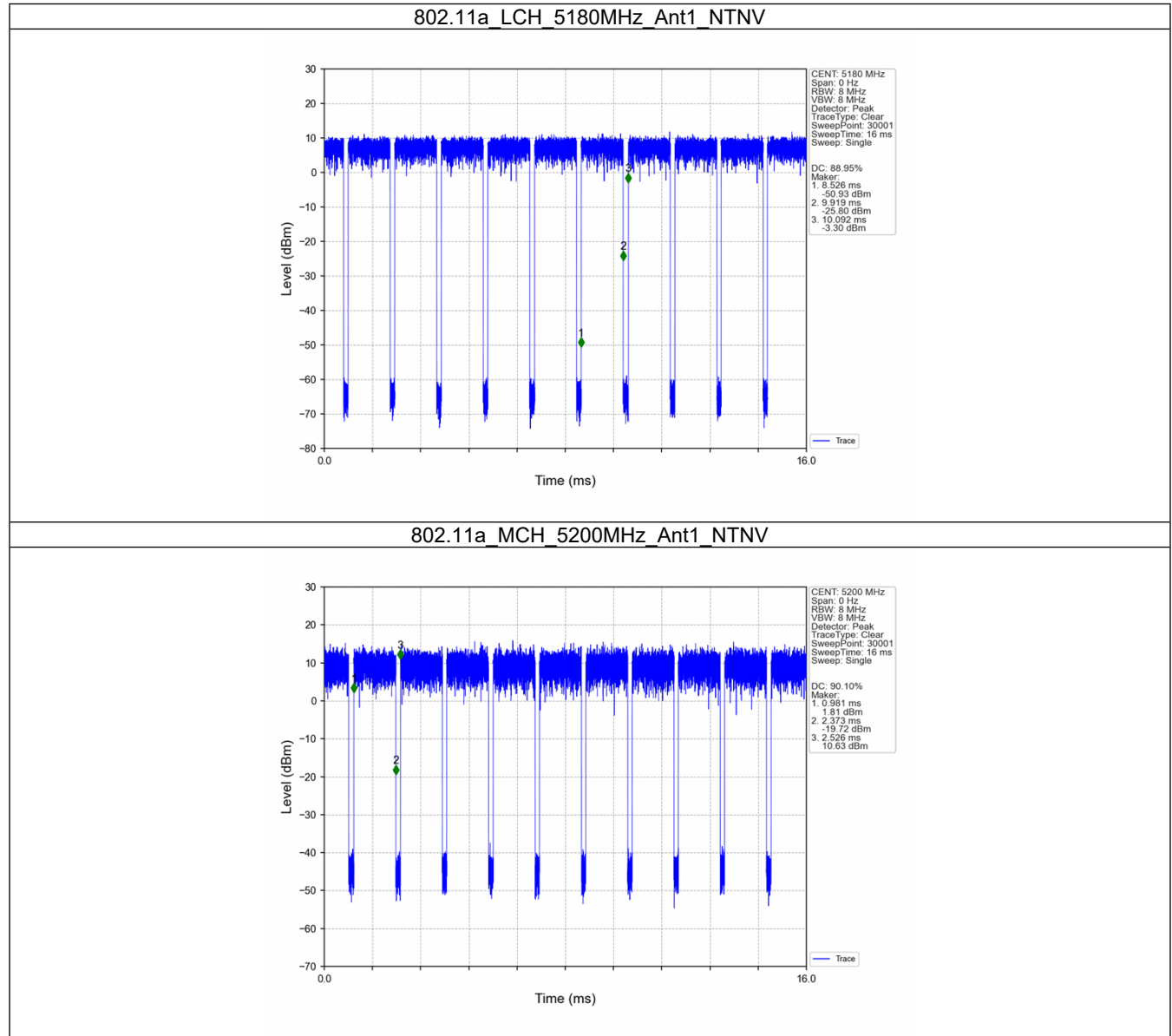
1.1 Test Result

1.1.1 Ant1

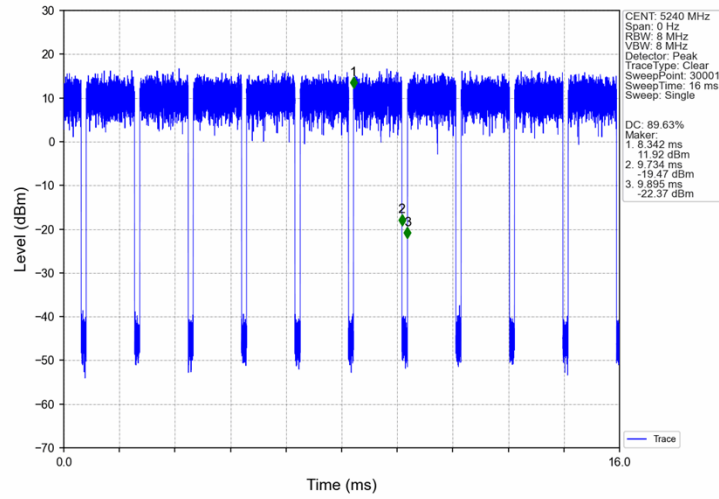
Ant1							
Mode	Tx Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.393	1.566	88.95	0.51	1.73
		5200	1.392	1.545	90.10	0.45	0.53
		5240	1.392	1.553	89.63	0.48	1.06
		5260	1.394	1.564	89.13	0.50	1.58
		5300	1.392	1.553	89.63	0.48	1.06
		5320	1.392	1.873	74.32	1.29	16.38
		5500	1.393	1.563	89.12	0.50	1.55
		5580	1.392	1.562	89.12	0.50	1.58
		5700	1.392	1.562	89.12	0.50	1.05
		5745	1.394	1.544	90.28	0.44	0.61
		5785	1.393	1.563	89.12	0.50	1.58
802.11n (HT20)	SISO	5825	1.393	1.555	89.58	0.48	1.02
		5180	1.174	1.345	87.29	0.59	1.81
		5200	1.175	1.336	87.95	0.56	1.21
		5240	1.175	1.345	87.36	0.59	1.81
		5260	1.175	1.346	87.30	0.59	1.81
		5300	1.173	1.345	87.21	0.59	1.81
		5320	1.175	1.345	87.36	0.59	1.83
		5500	1.175	1.336	87.95	0.56	1.19
		5580	1.175	1.345	87.36	0.59	1.76
		5700	1.174	1.345	87.29	0.59	1.78
		5745	1.174	1.345	87.29	0.59	1.82
802.11n (HT40)	SISO	5785	1.175	1.345	87.36	0.59	1.79
		5825	1.175	1.346	87.30	0.59	1.79
		5190	0.588	0.757	77.68	1.10	2.90
		5230	0.588	0.739	79.57	0.99	1.02
		5270	0.587	0.757	77.54	1.10	2.88
		5310	0.587	0.757	77.54	1.10	2.88
		5510	0.587	0.757	77.54	1.10	2.88
		5550	0.588	0.757	77.68	1.10	2.88
		5670	0.587	0.757	77.54	1.10	2.91
		5755	0.587	0.757	77.54	1.10	2.88
		5795	0.588	0.739	79.57	0.99	1.00

1.2 Test Graph

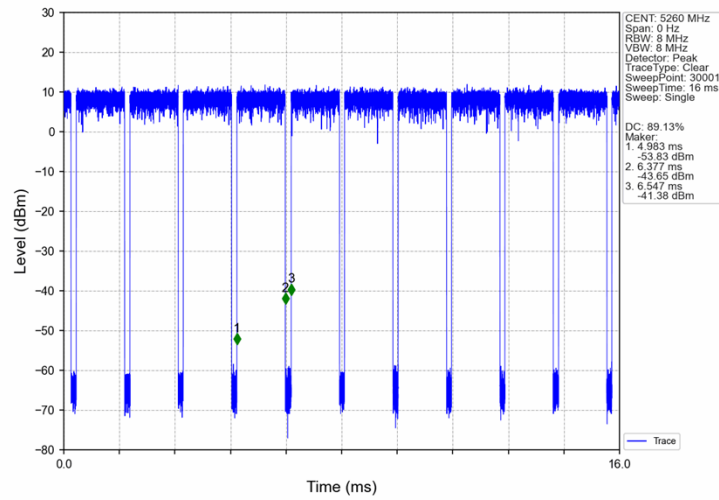
1.2.1 Ant1



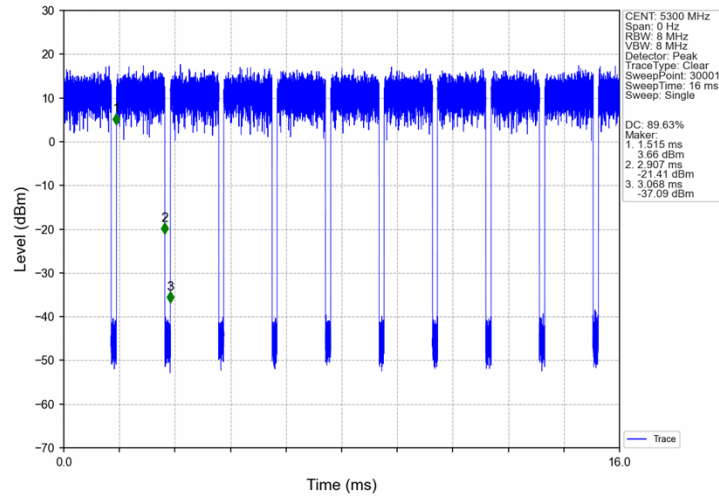
802.11a_HCH_5240MHz_Ant1_NTNV



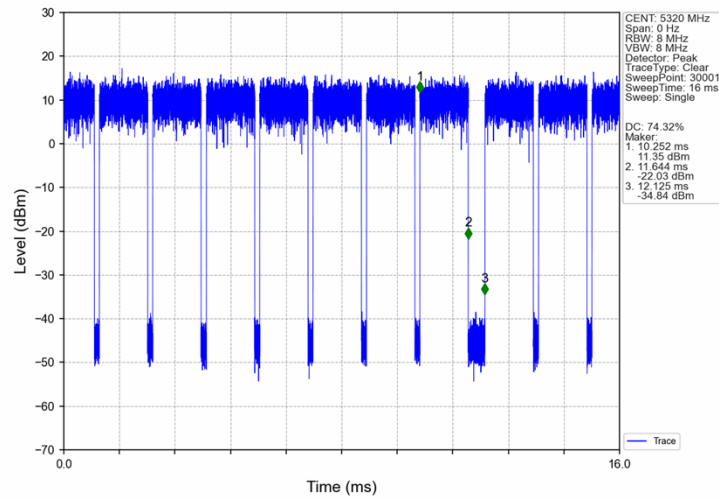
802.11a_LCH_5260MHz_Ant1_NTNV



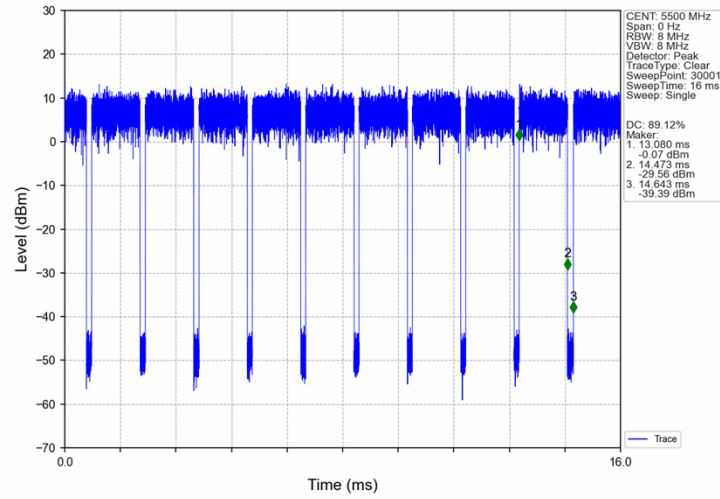
802.11a_MCH_5300MHz_Ant1_NTNV



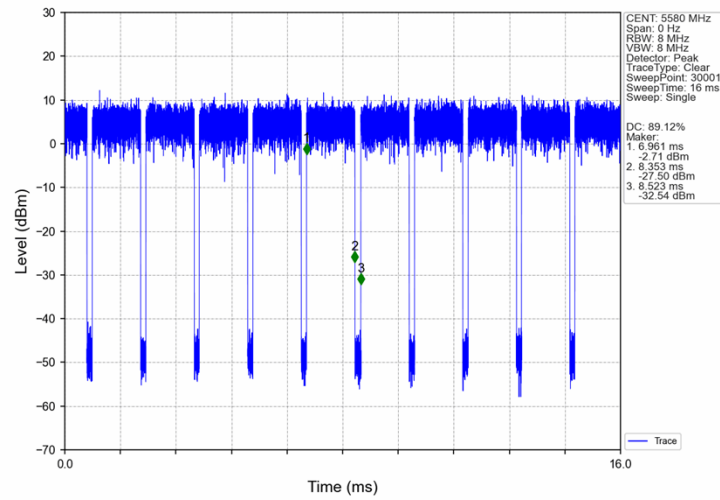
802.11a_HCH_5320MHz_Ant1_NTNV



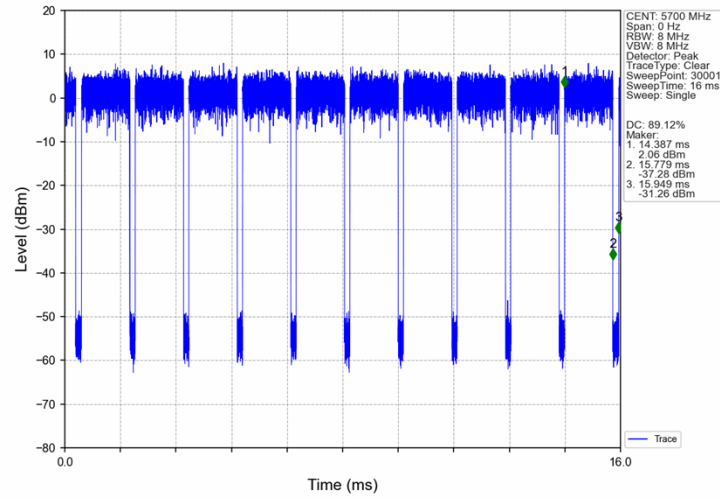
802.11a_LCH_5500MHz_Ant1_NTNV



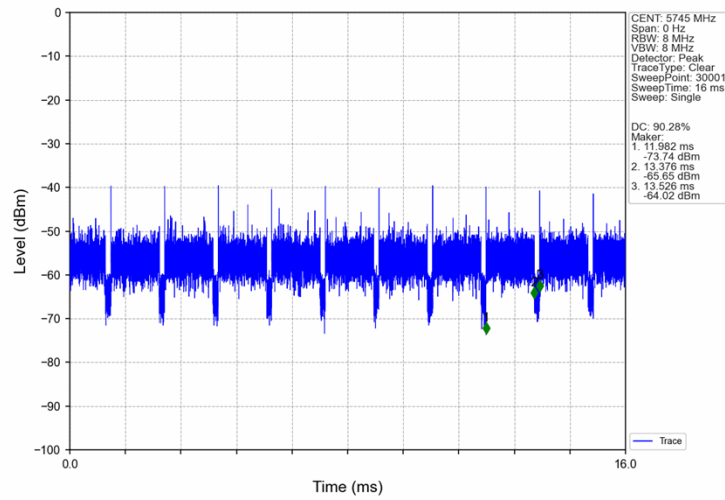
802.11a_MCH_5580MHz_Ant1_NTNV



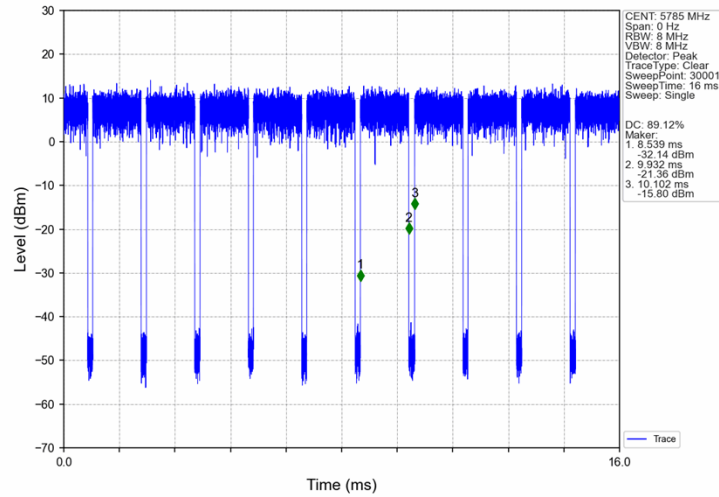
802.11a_HCH_5700MHz_Ant1_NTNV



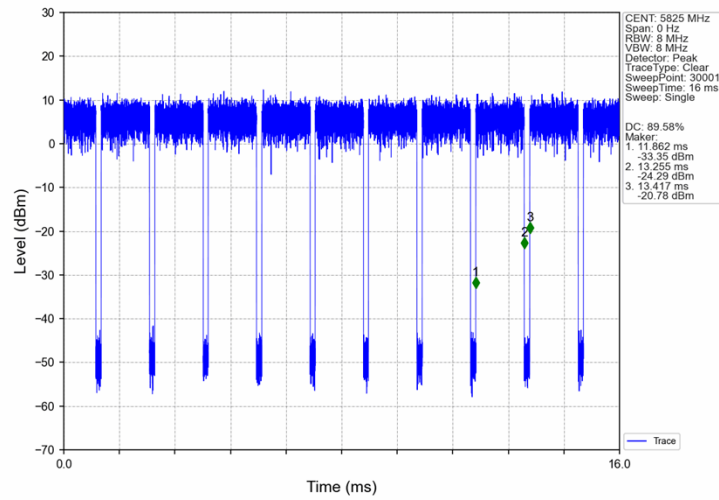
802.11a_LCH_5745MHz_Ant1_NTNV



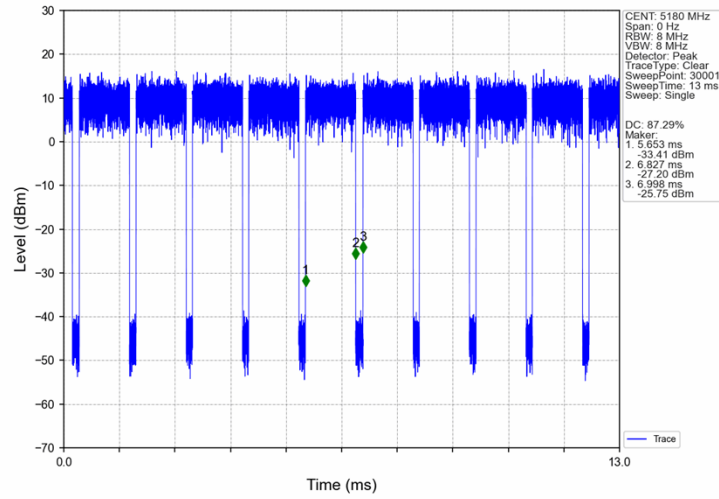
802.11a_MCH_5785MHz_Ant1_NTNV



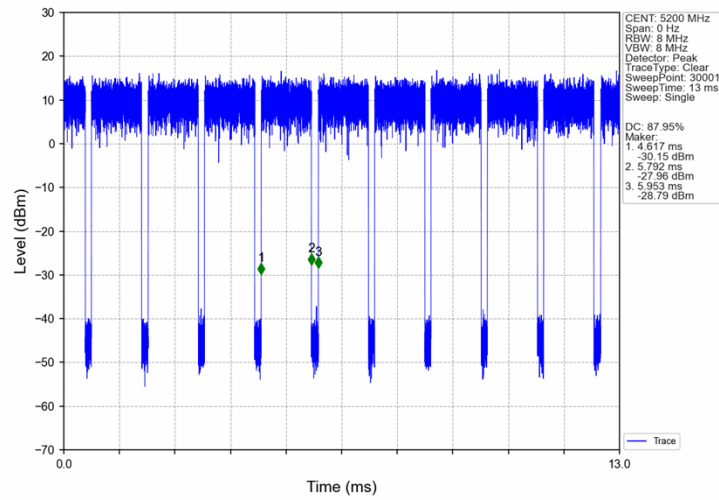
802.11a_HCH_5825MHz_Ant1_NTNV



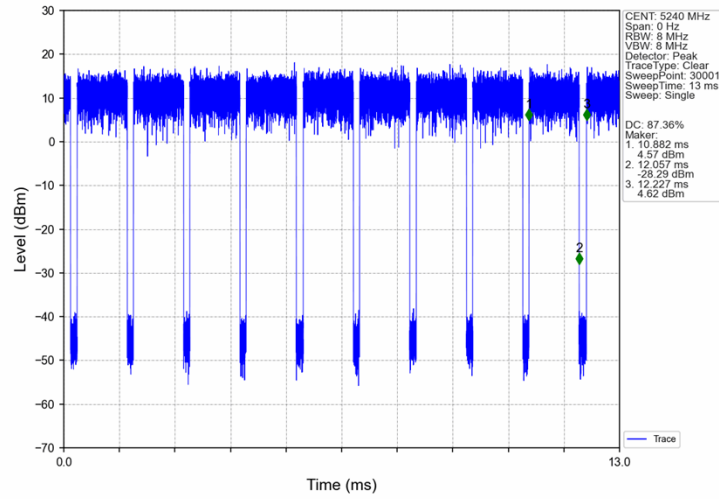
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



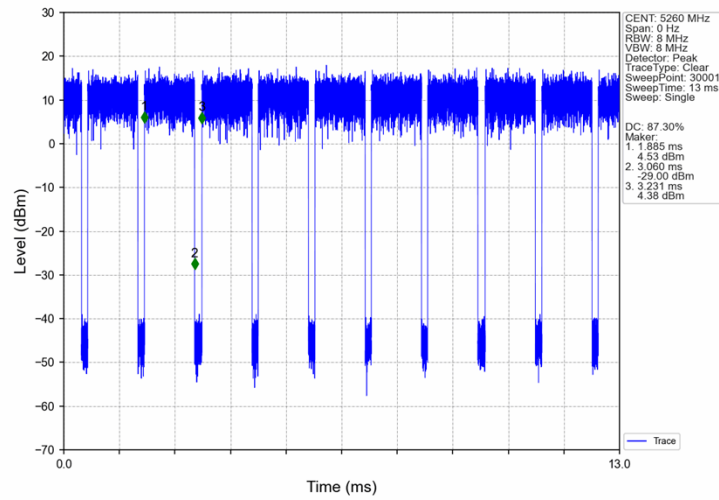
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



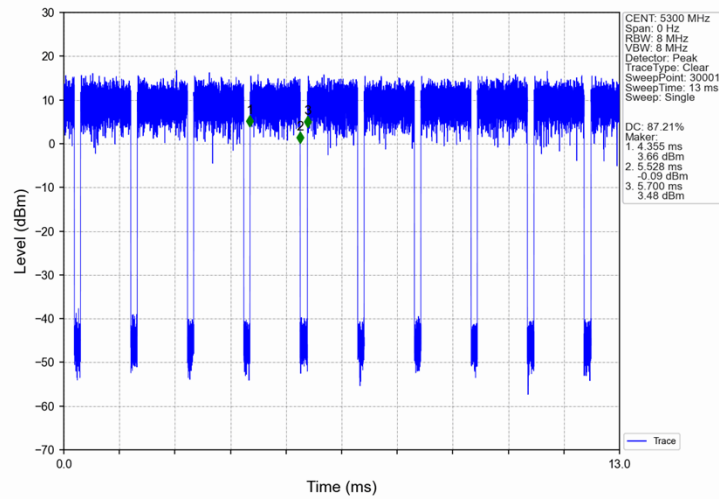
802.11n(HT20) HCH 5240MHz Ant1_NTNV



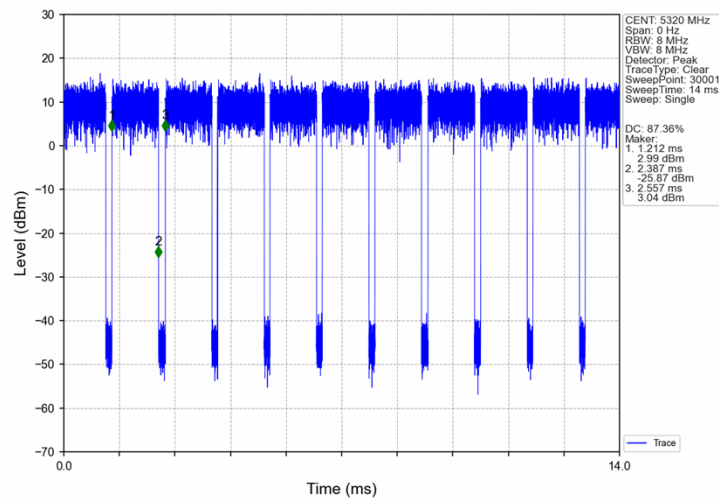
802.11n(HT20) LCH 5260MHz Ant1_NTNV



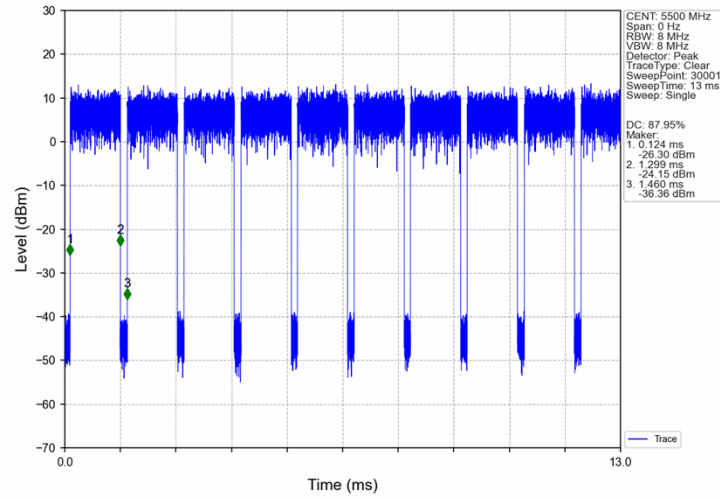
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



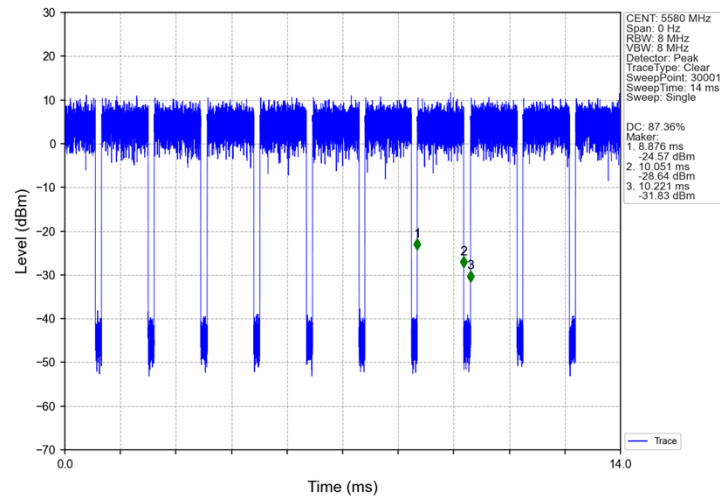
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



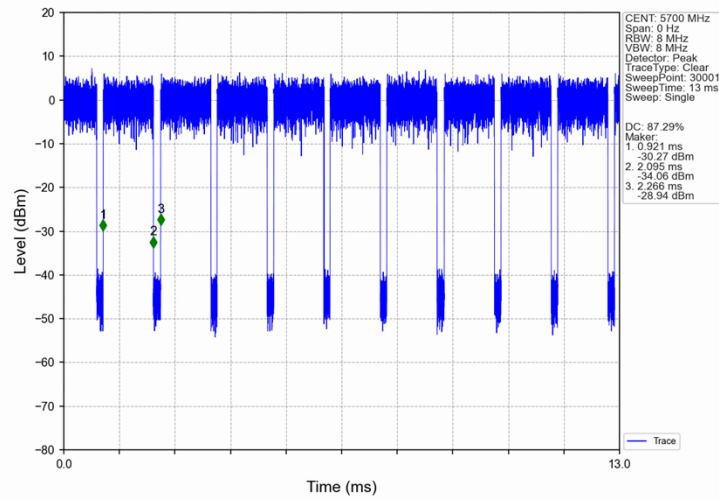
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



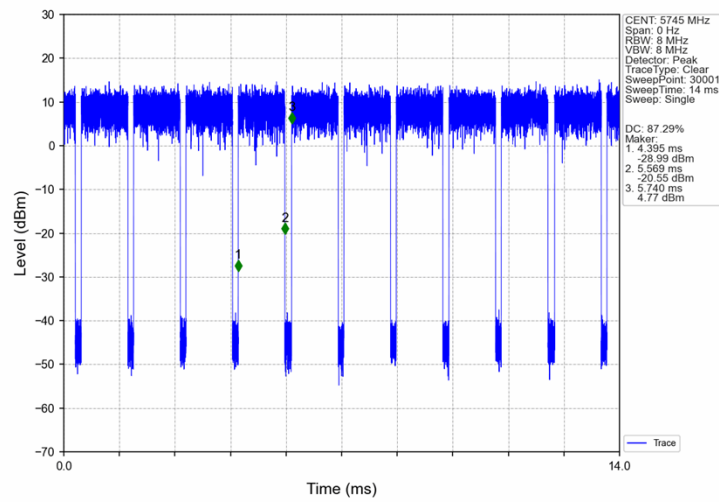
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



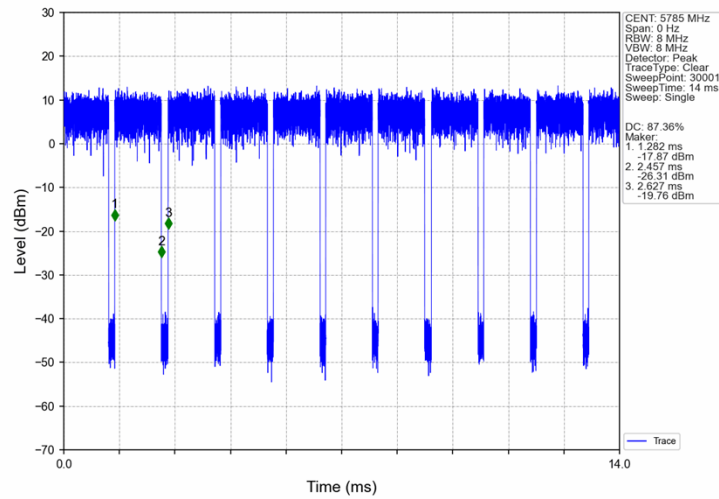
802.11n(HT20) HCH 5700MHz_Ant1_NTNV



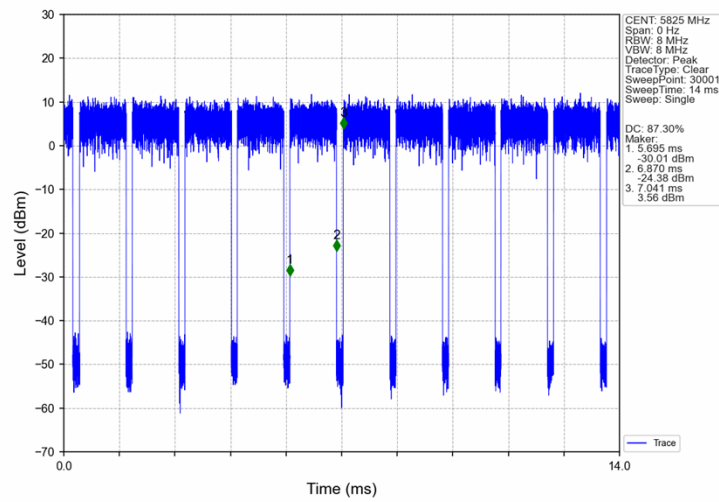
802.11n(HT20) LCH 5745MHz_Ant1_NTNV



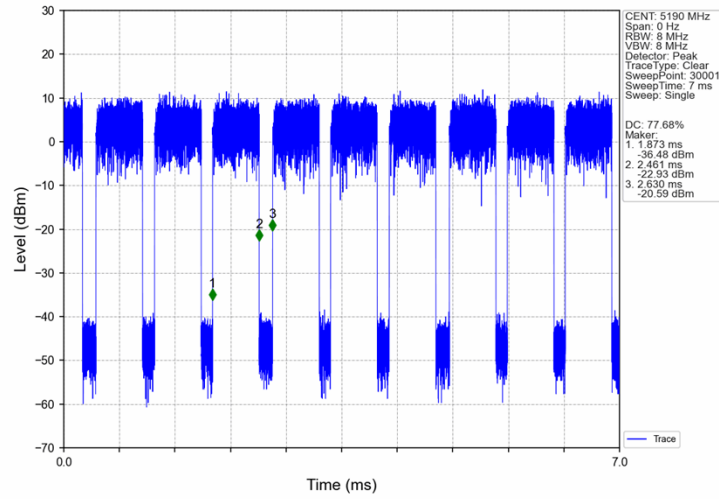
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



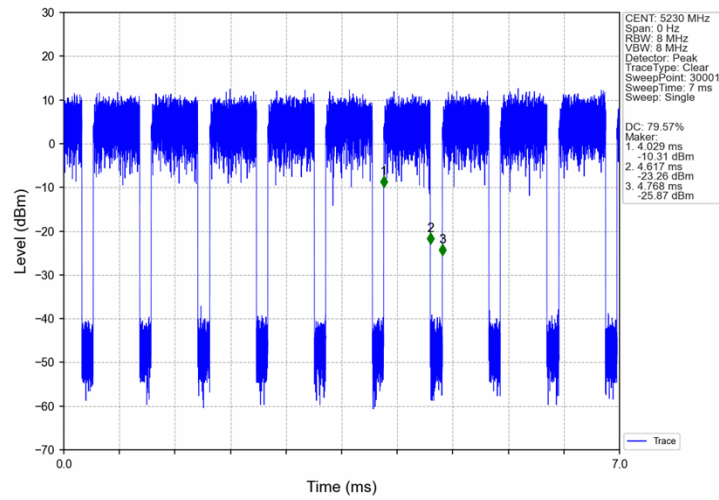
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



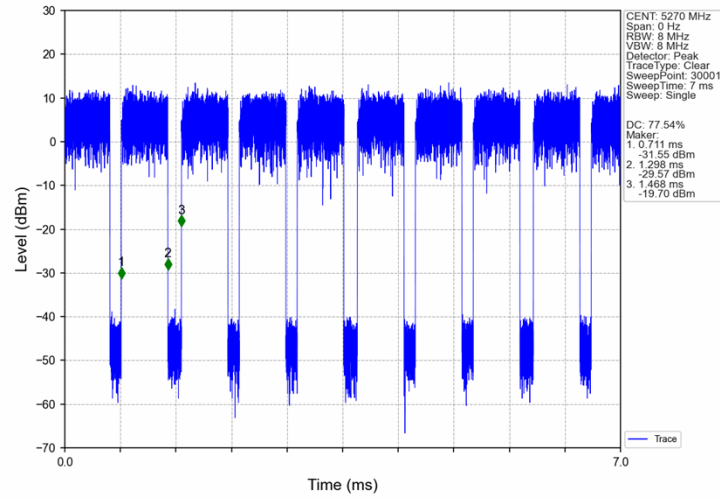
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



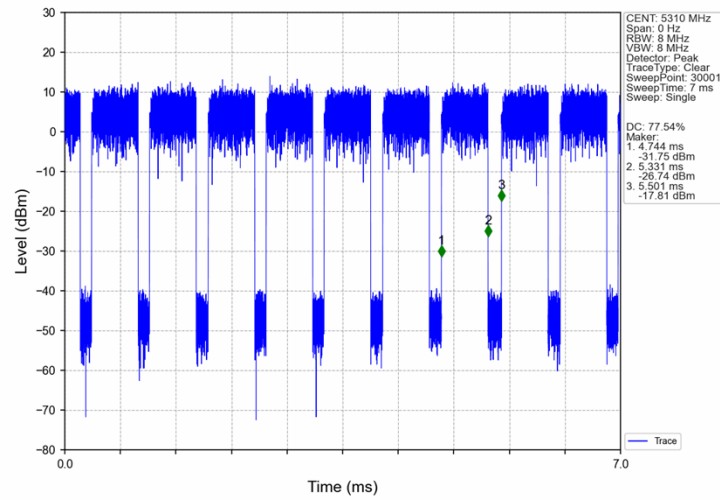
802.11n(HT40) HCH_5230MHz_Ant1_NTNV



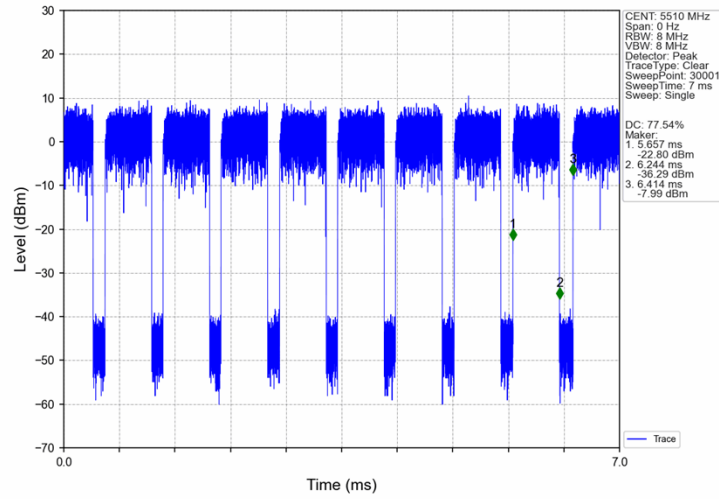
802.11n(HT40) LCH_5270MHz_Ant1_NTNV



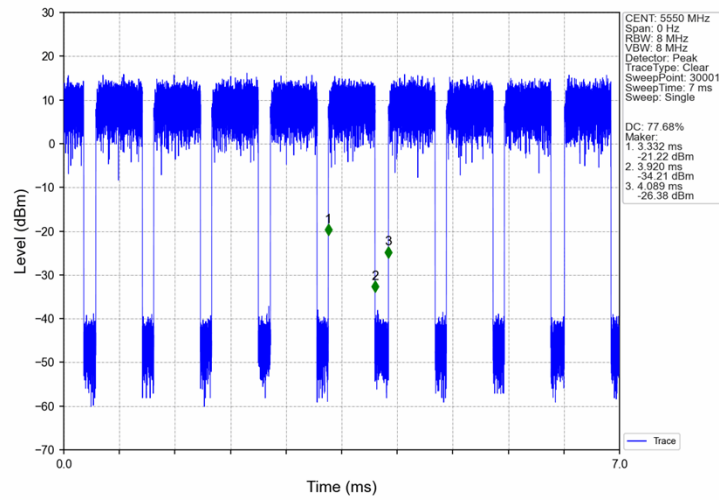
802.11n(HT40) HCH_5310MHz_Ant1_NTNV



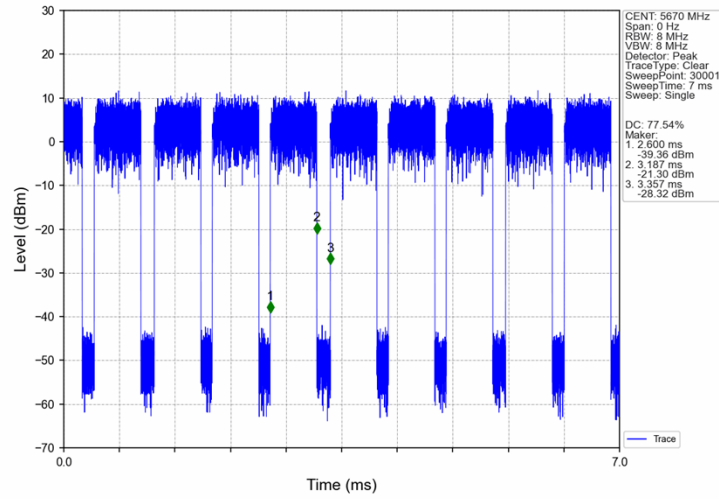
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



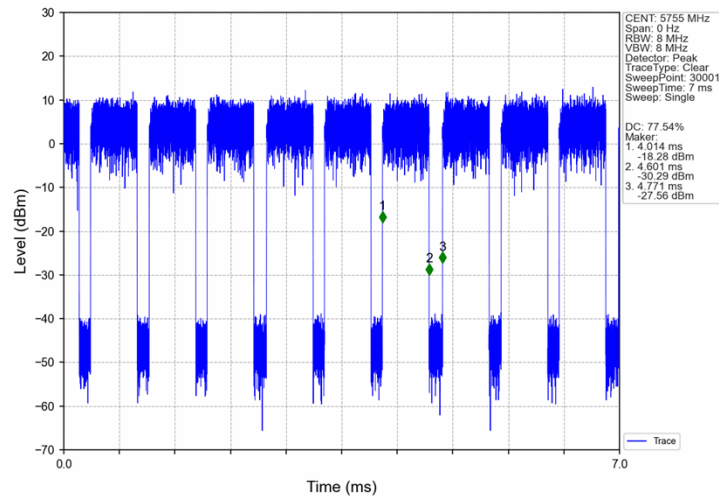
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40) HCH 5670MHz_Ant1_NTNV

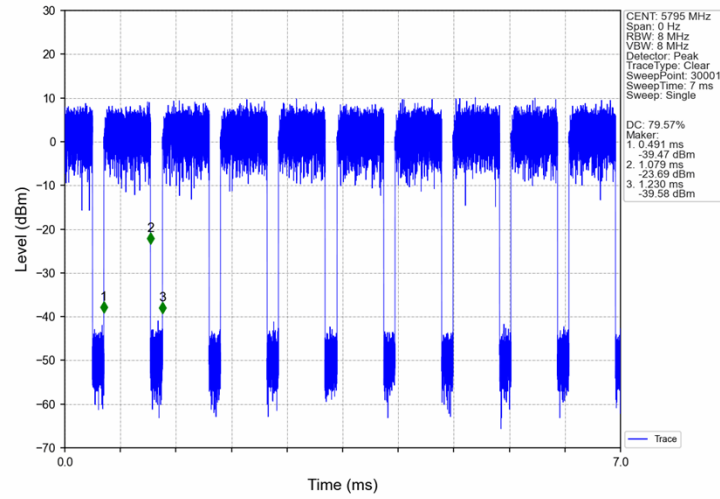


802.11n(HT40) LCH 5755MHz_Ant1_NTNV





802.11n(HT40) HCH 5795MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.358	/	Pass
		5200	1	17.408	/	Pass
		5240	1	17.452	/	Pass
		5260	1	17.363	/	Pass
		5300	1	17.370	/	Pass
		5320	1	17.405	/	Pass
		5500	1	17.473	/	Pass
		5580	1	17.372	/	Pass
		5700	1	17.408	/	Pass
		5745	1	17.616	/	Pass
		5785	1	17.511	/	Pass
		5825	1	17.578	/	Pass
802.11n (HT20)	SISO	5180	1	18.262	/	Pass
		5200	1	18.298	/	Pass
		5240	1	18.184	/	Pass
		5260	1	18.208	/	Pass
		5300	1	18.206	/	Pass
		5320	1	18.255	/	Pass
		5500	1	18.329	/	Pass
		5580	1	18.178	/	Pass
		5700	1	18.396	/	Pass
		5745	1	18.295	/	Pass
		5785	1	18.355	/	Pass
		5825	1	18.310	/	Pass
802.11n (HT40)	SISO	5190	1	37.184	/	Pass
		5230	1	37.097	/	Pass
		5270	1	37.121	/	Pass
		5310	1	37.110	/	Pass
		5510	1	37.199	/	Pass
		5550	1	38.287	/	Pass
		5670	1	36.913	/	Pass
		5755	1	36.808	/	Pass
		5795	1	36.715	/	Pass

2.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	24.604	/	Pass
		5200	1	22.156	/	Pass
		5240	1	23.920	/	Pass
		5260	1	24.606	/	Pass
		5300	1	22.401	/	Pass
		5320	1	28.781	/	Pass
		5500	1	26.067	/	Pass
		5580	1	24.417	/	Pass
		5700	1	24.489	/	Pass
802.11n (HT20)	SISO	5180	1	27.625	/	Pass
		5200	1	28.469	/	Pass
		5240	1	28.180	/	Pass

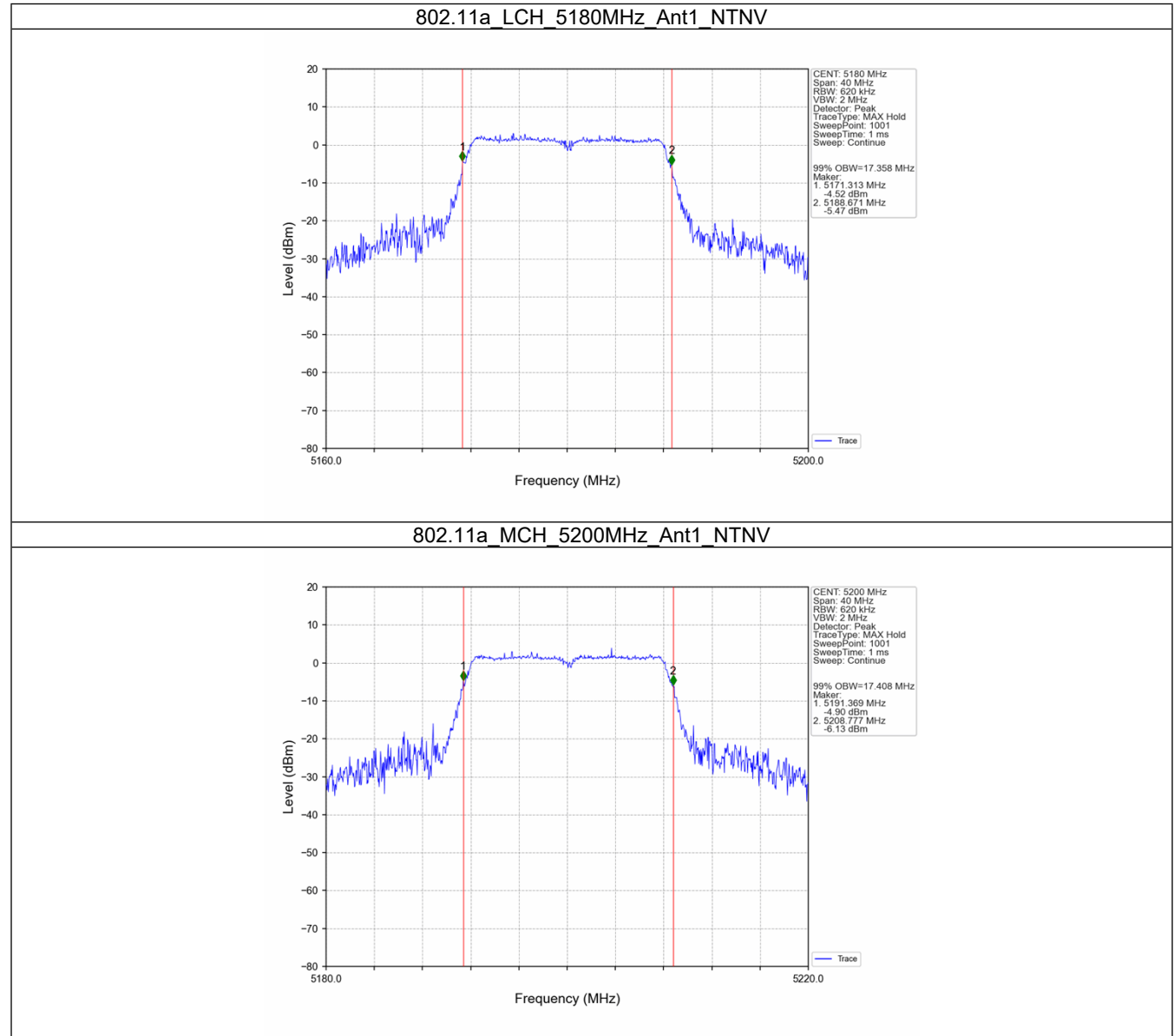
		5260	1	27.327	/	Pass
		5300	1	26.879	/	Pass
		5320	1	30.025	/	Pass
		5500	1	28.161	/	Pass
		5580	1	27.559	/	Pass
		5700	1	28.517	/	Pass
802.11n (HT40)	SISO	5190	1	58.740	/	Pass
		5230	1	66.565	/	Pass
		5270	1	52.414	/	Pass
		5310	1	55.520	/	Pass
		5510	1	66.882	/	Pass
		5550	1	78.050	/	Pass
		5670	1	56.455	/	Pass

2.1.3 6dB BW

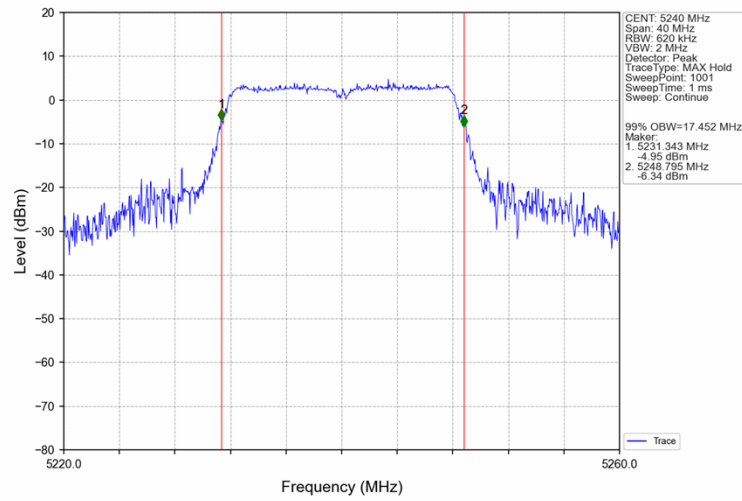
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.350	≥ 0.5	Pass
		5785	1	16.352	≥ 0.5	Pass
		5825	1	16.384	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	16.901	≥ 0.5	Pass
		5785	1	16.596	≥ 0.5	Pass
		5825	1	16.977	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.233	≥ 0.5	Pass
		5795	1	35.368	≥ 0.5	Pass

2.2 Test Graph

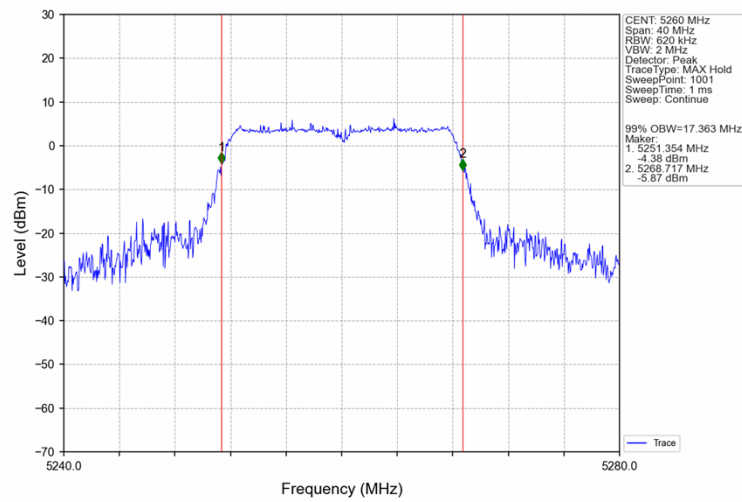
2.2.1 OBW



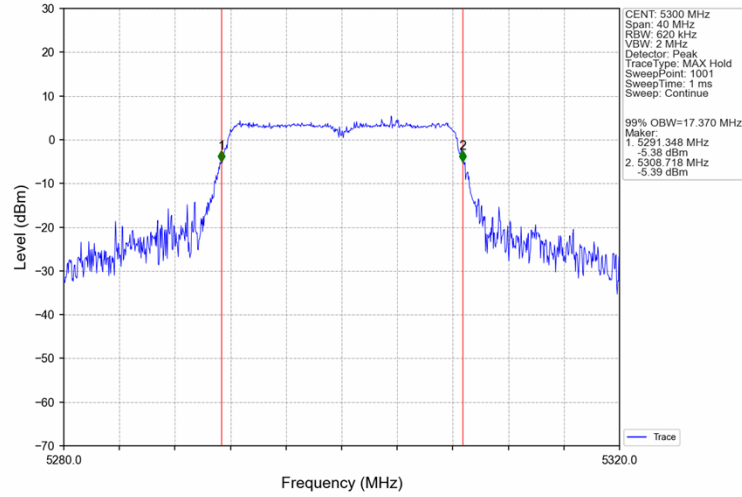
802.11a_HCH_5240MHz_Ant1_NTNV



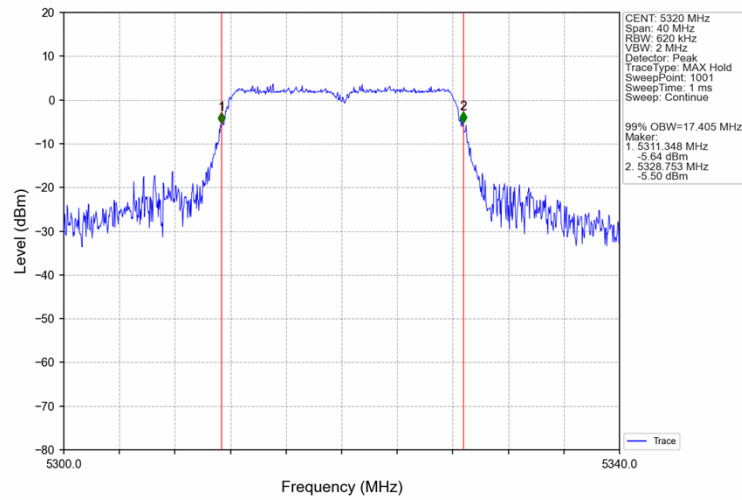
802.11a_LCH_5260MHz_Ant1_NTNV



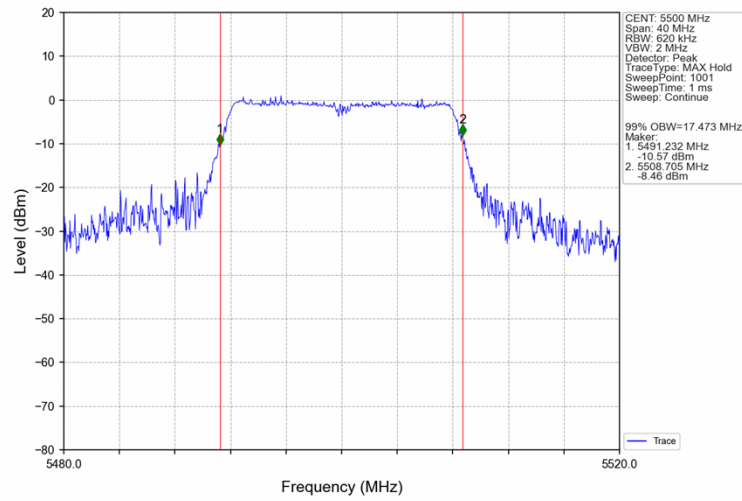
802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV

