

1. Bandwidth

1.1 Test Result

1.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	17.073	/	Pass
		5200	1	17.093	/	Pass
		5240	1	17.131	/	Pass
		5260	1	17.170	/	Pass
		5300	1	17.099	/	Pass
		5320	1	17.107	/	Pass
		5500	1	16.966	/	Pass
		5580	1	17.104	/	Pass
		5700	1	17.206	/	Pass
		5745	1	17.291	/	Pass
		5785	1	17.198	/	Pass
802.11n (HT20)	SISO	5825	1	17.246	/	Pass
		5180	1	17.941	/	Pass
		5200	1	18.053	/	Pass
		5240	1	18.017	/	Pass
		5260	1	17.935	/	Pass
		5300	1	17.985	/	Pass
		5320	1	17.928	/	Pass
		5500	1	17.912	/	Pass
		5580	1	17.987	/	Pass
		5700	1	17.981	/	Pass
		5745	1	18.021	/	Pass
802.11n (HT40)	SISO	5785	1	17.991	/	Pass
		5825	1	18.000	/	Pass
		5190	1	36.222	/	Pass
		5230	1	36.244	/	Pass
		5270	1	36.229	/	Pass
		5310	1	36.260	/	Pass
		5510	1	36.232	/	Pass
		5550	1	36.288	/	Pass
		5670	1	36.359	/	Pass
	SISO	5755	1	36.154	/	Pass
		5795	1	36.364	/	Pass

1.1.2 6dB BW

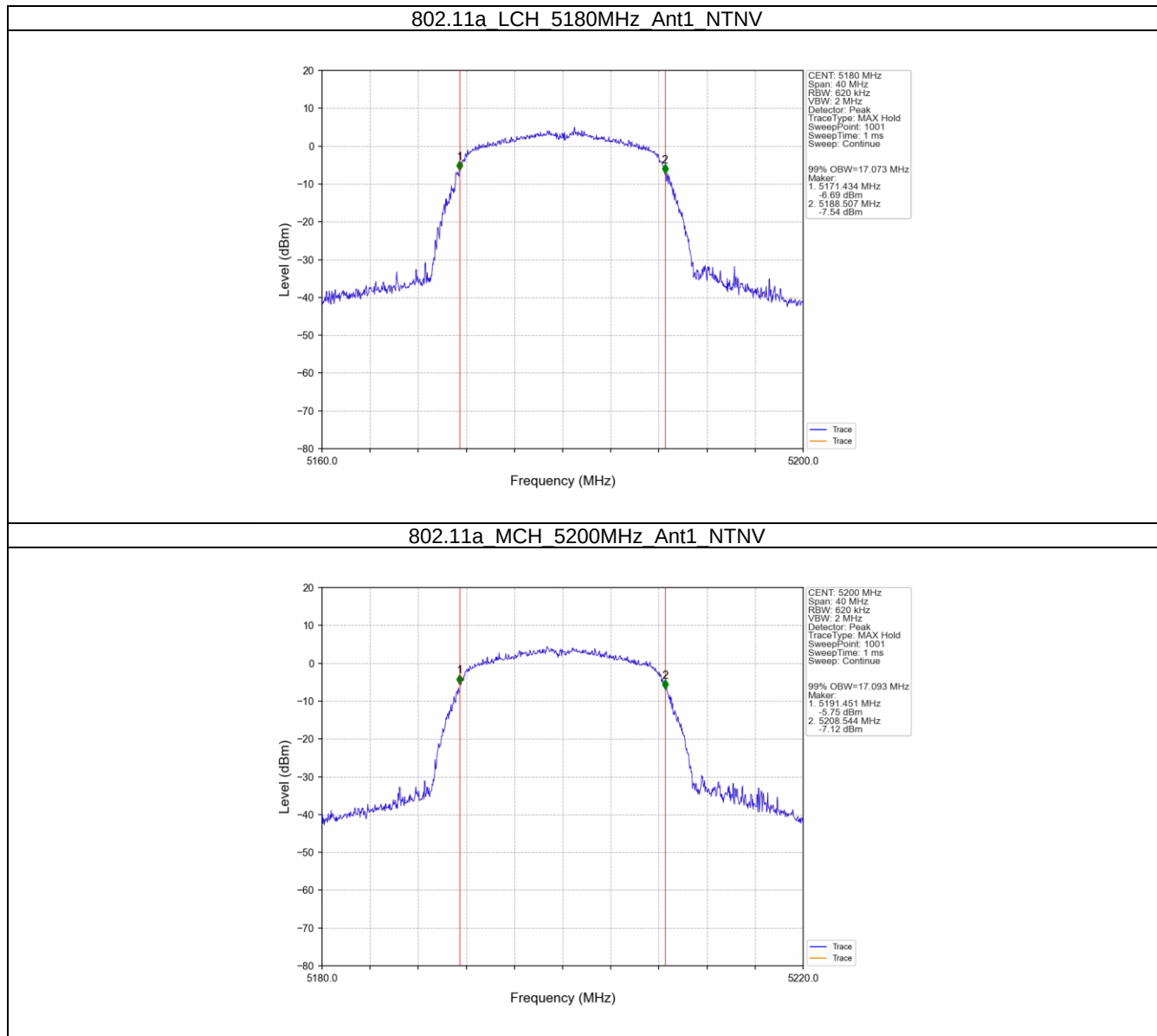
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.048	≥ 0.5	Pass
		5785	1	16.061	≥ 0.5	Pass
		5825	1	16.049	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	16.359	≥ 0.5	Pass
		5785	1	17.100	≥ 0.5	Pass
		5825	1	16.381	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.057	≥ 0.5	Pass
		5795	1	35.654	≥ 0.5	Pass

**1.1.3 26dB BW**

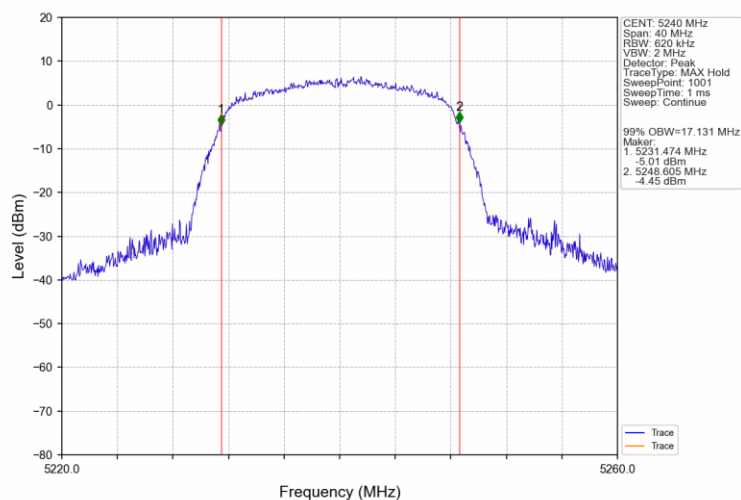
Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	19.813	/	Pass
		5200	1	19.682	/	Pass
		5240	1	19.736	/	Pass
		5260	1	19.759	/	Pass
		5300	1	19.813	/	Pass
		5320	1	19.517	/	Pass
		5500	1	19.534	/	Pass
		5580	1	19.787	/	Pass
802.11n (HT20)	SISO	5700	1	19.891	/	Pass
		5180	1	20.098	/	Pass
		5200	1	20.114	/	Pass
		5240	1	19.978	/	Pass
		5260	1	20.029	/	Pass
		5300	1	20.174	/	Pass
		5320	1	20.153	/	Pass
		5500	1	19.936	/	Pass
802.11n (HT40)	SISO	5580	1	20.001	/	Pass
		5700	1	20.209	/	Pass
		5190	1	40.413	/	Pass
		5230	1	40.490	/	Pass
		5270	1	39.897	/	Pass
		5310	1	40.115	/	Pass
		5510	1	40.642	/	Pass
		5550	1	39.979	/	Pass
		5670	1	40.504	/	Pass

1.2 Test Graph

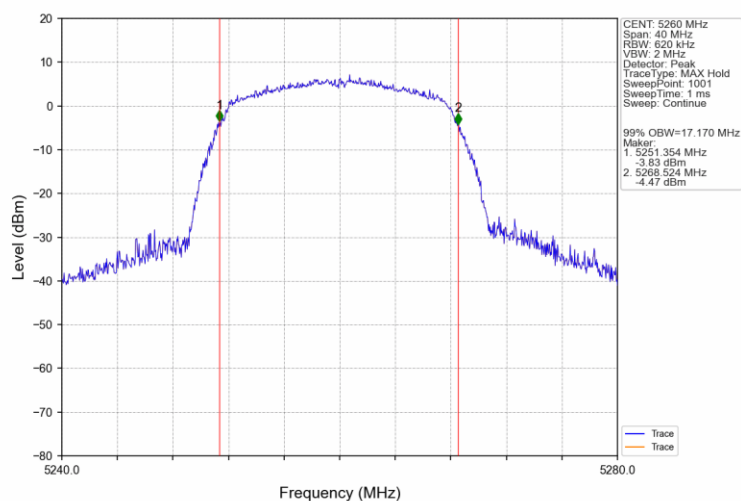
1.2.1 OBW



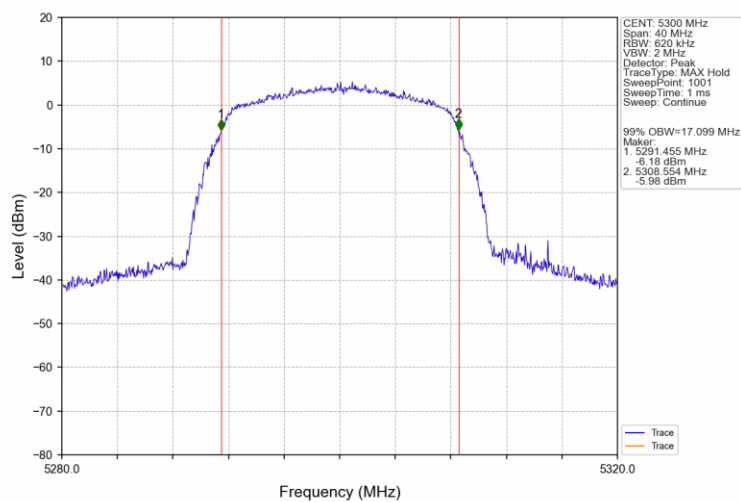
802.11a_HCH_5240MHz_Ant1_NTNV



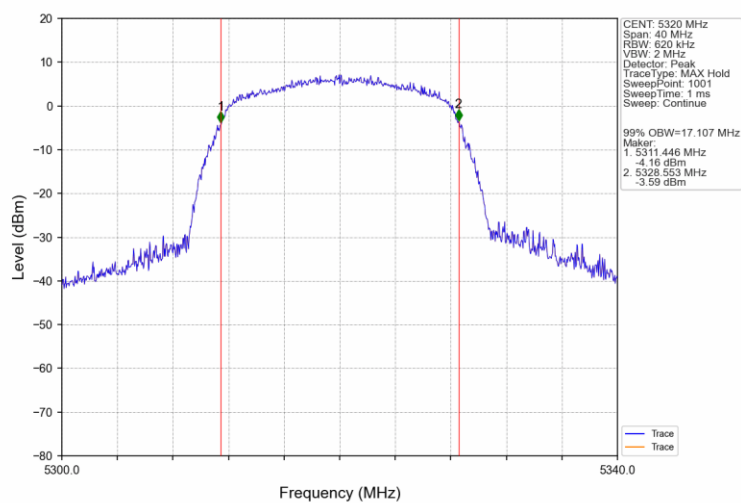
802.11a_LCH_5260MHz_Ant1_NTNV



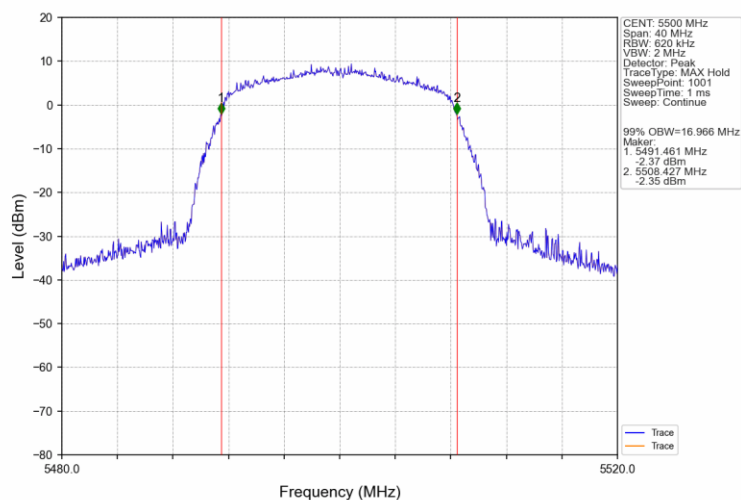
802.11a_MCH_5300MHz_Ant1_NTNV



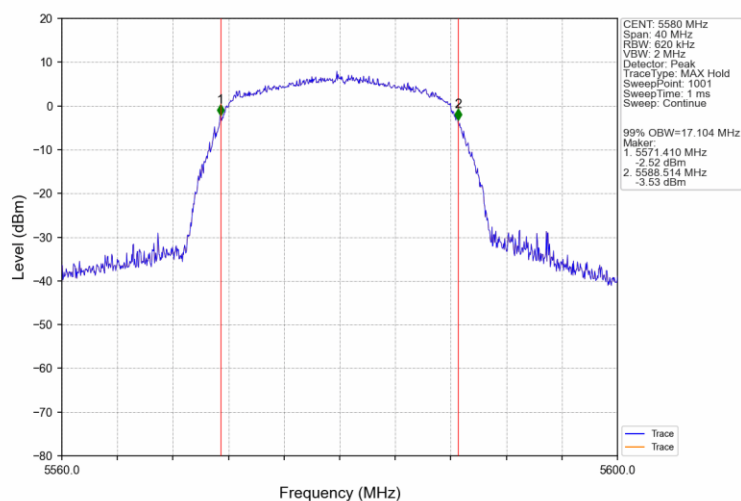
802.11a_HCH_5320MHz_Ant1_NTNV



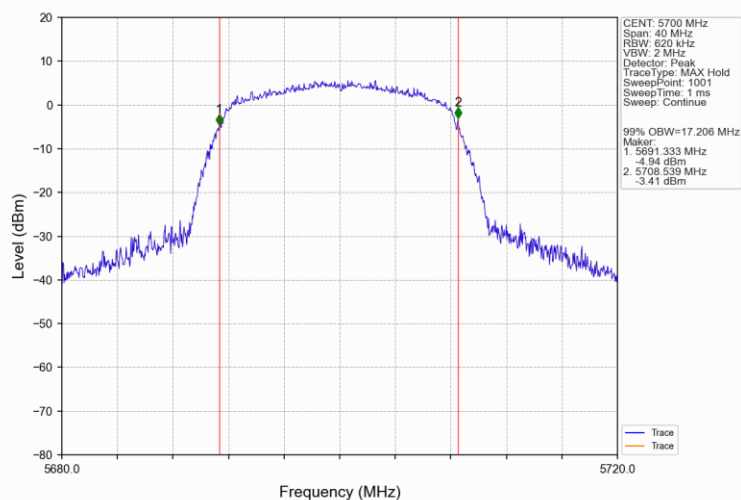
802.11a_LCH_5500MHz_Ant1_NTNV



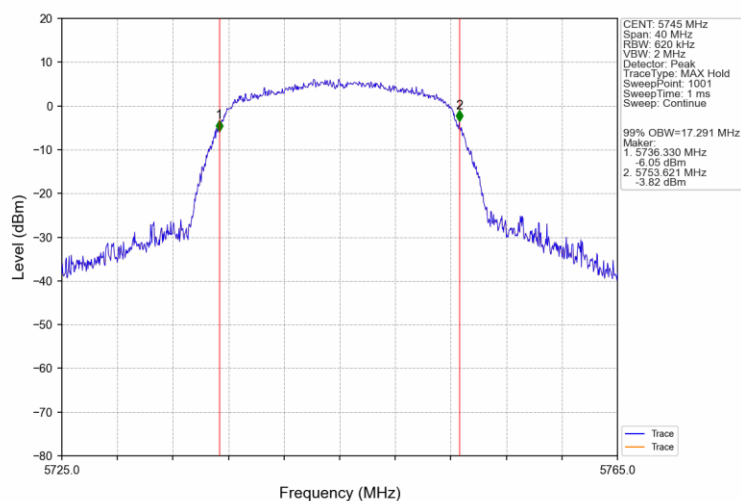
802.11a_MCH_5580MHz_Ant1_NTNV



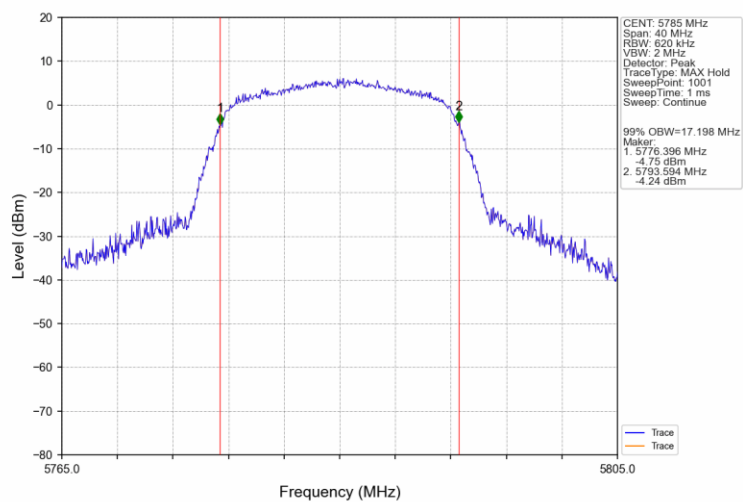
802.11a_HCH_5700MHz_Ant1_NTNV



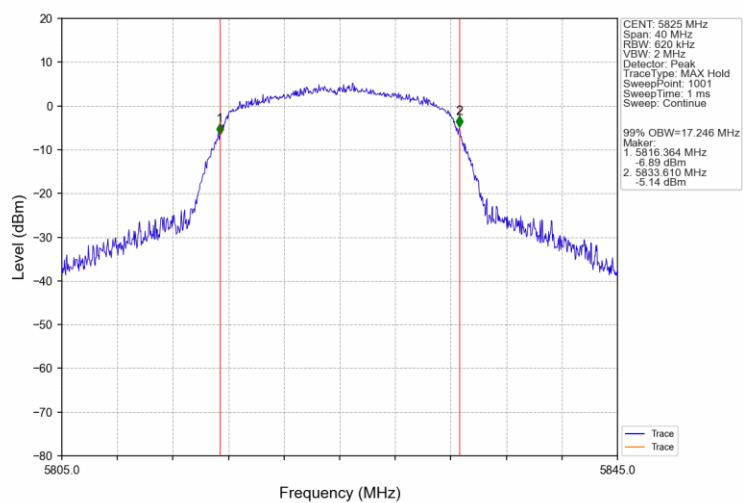
802.11a_LCH_5745MHz_Ant1_NTNV



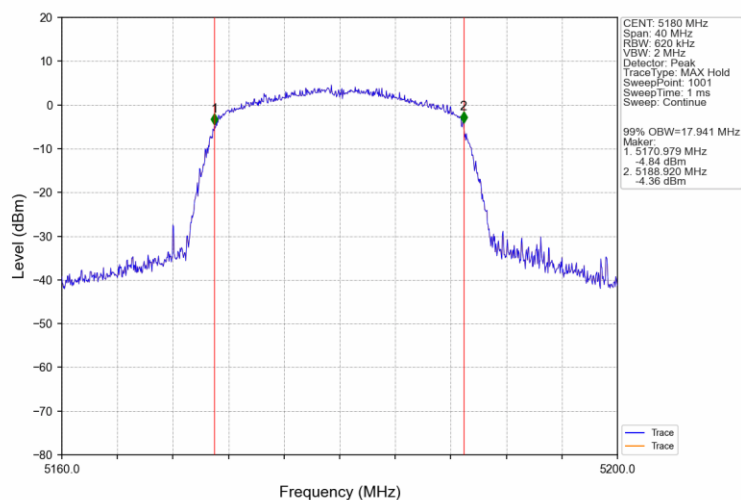
802.11a_MCH_5785MHz_Ant1_NTNV



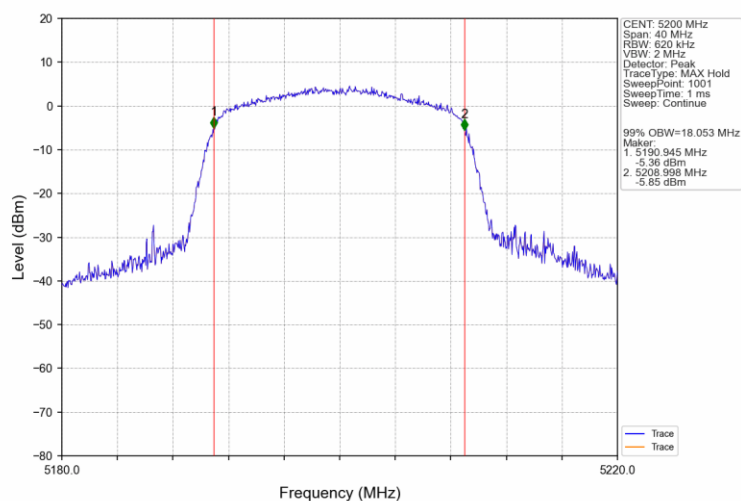
802.11a_HCH_5825MHz_Ant1_NTNV



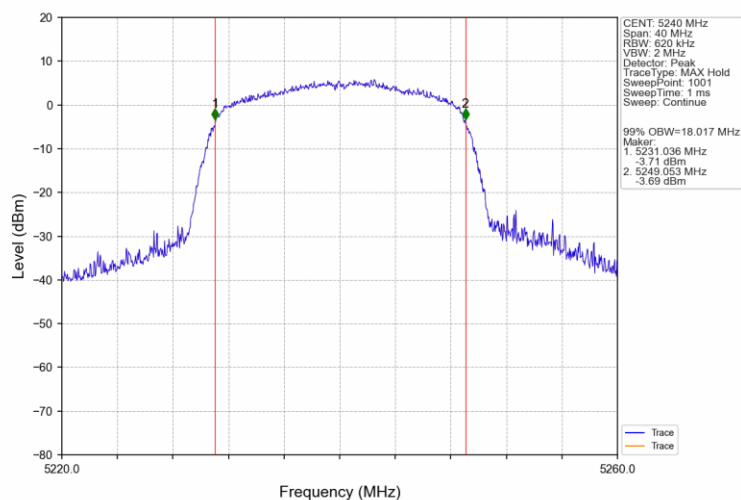
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



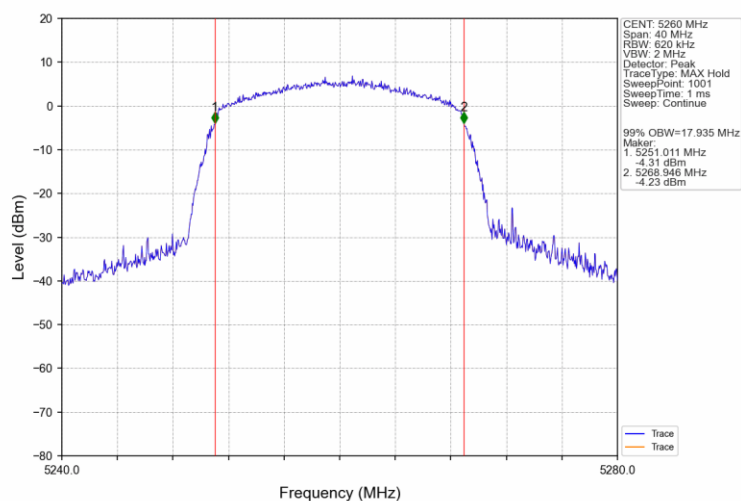
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



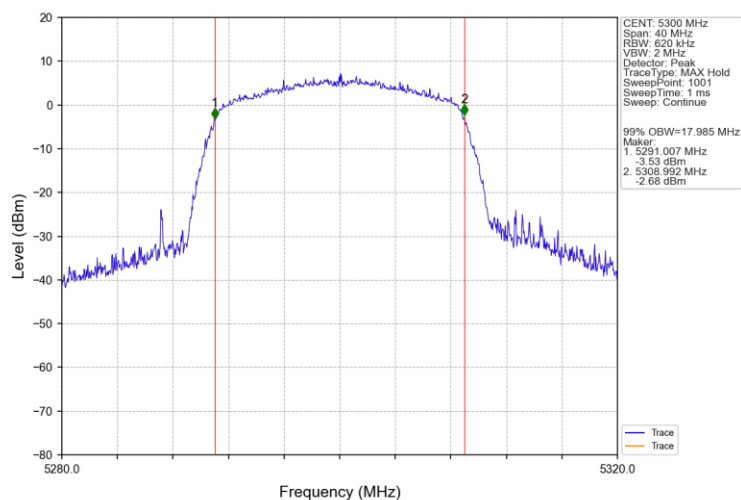
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



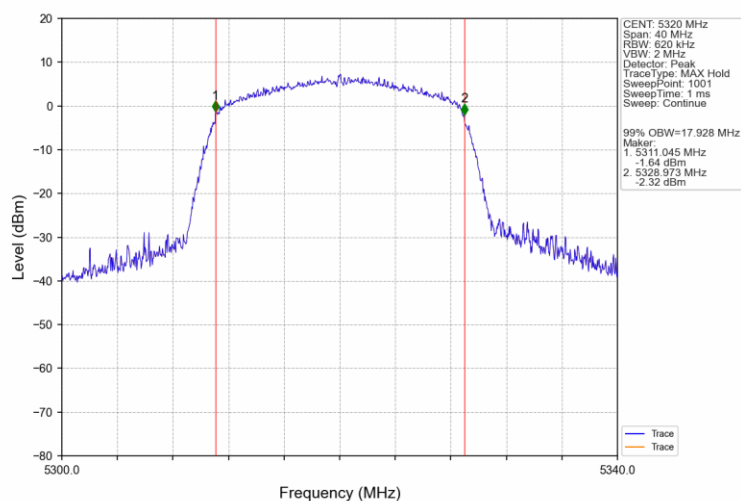
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



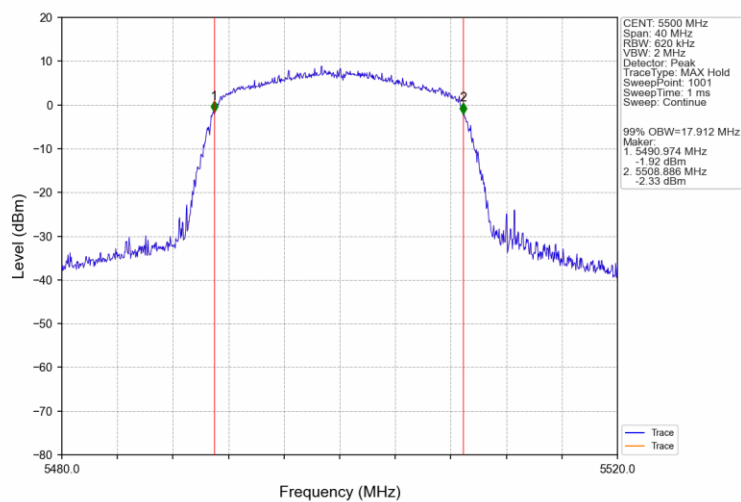
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



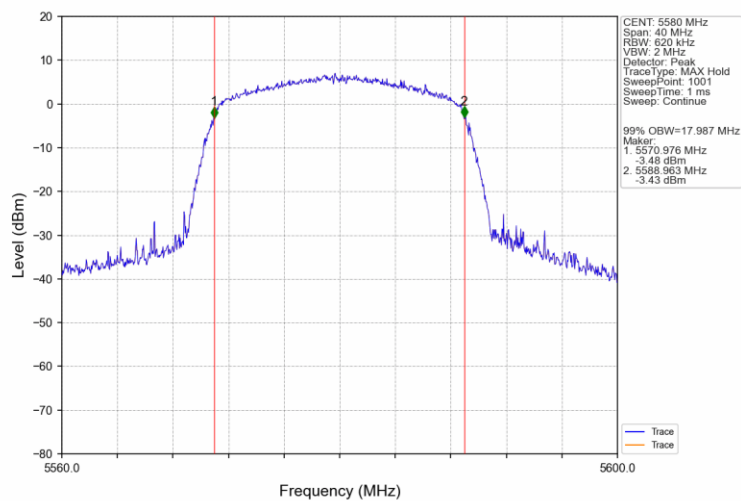
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



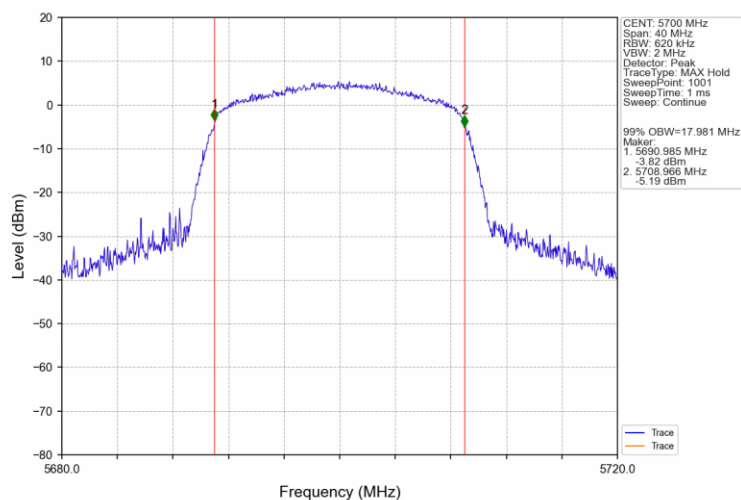
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



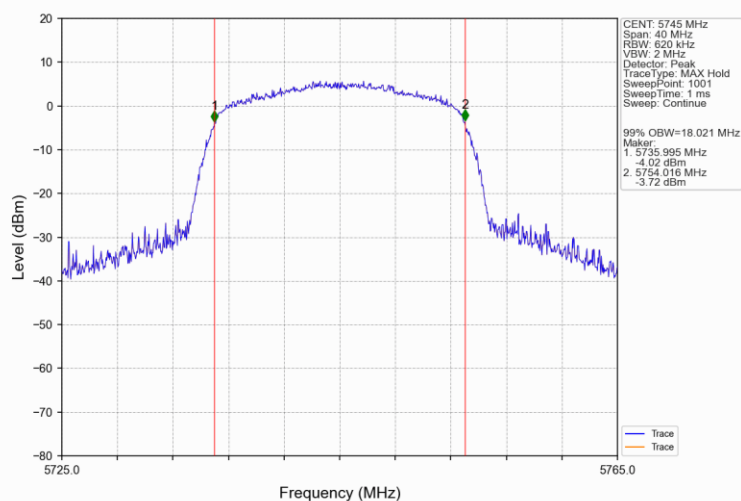
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



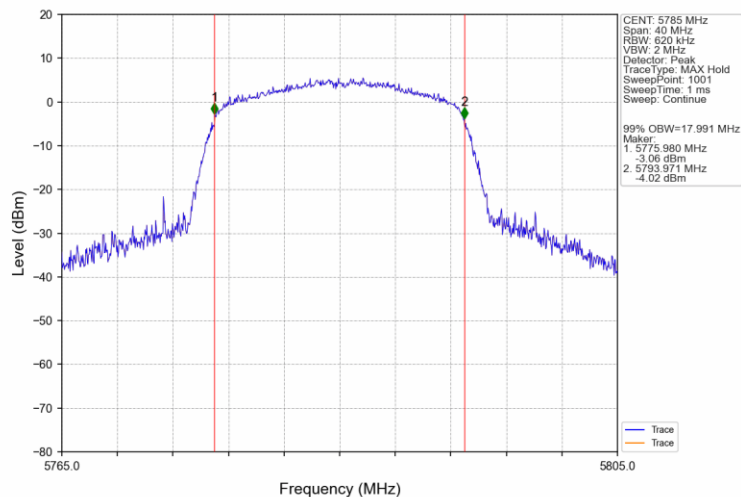
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



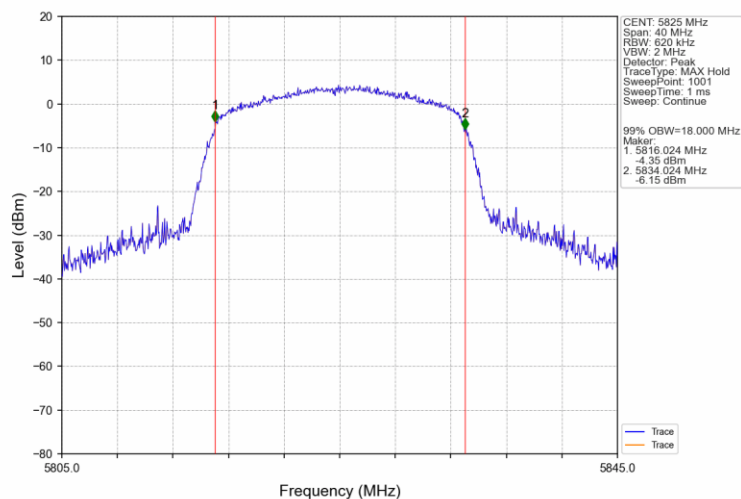
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



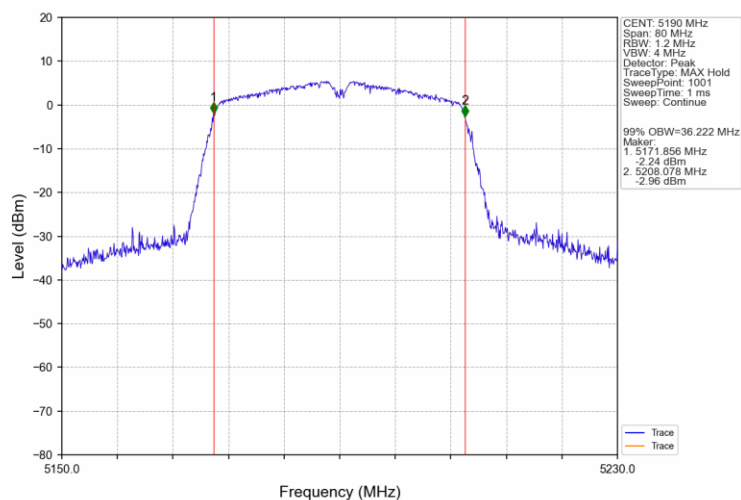
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



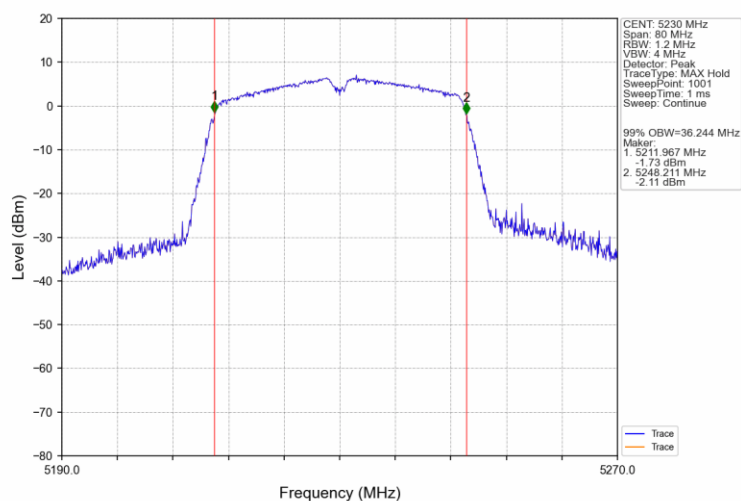
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



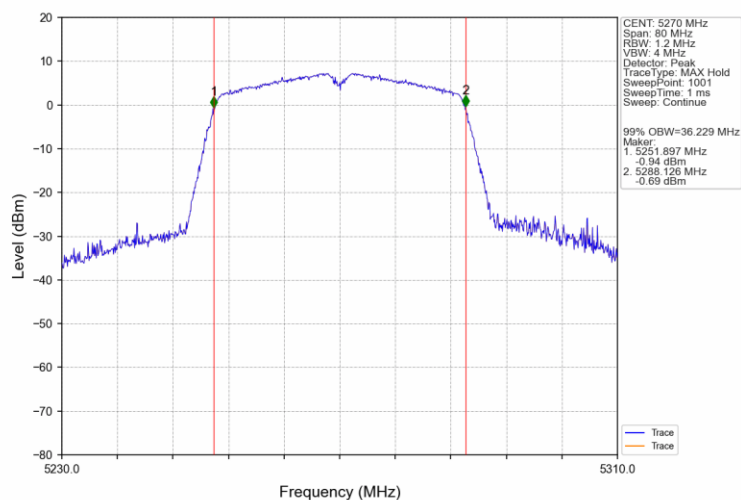
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



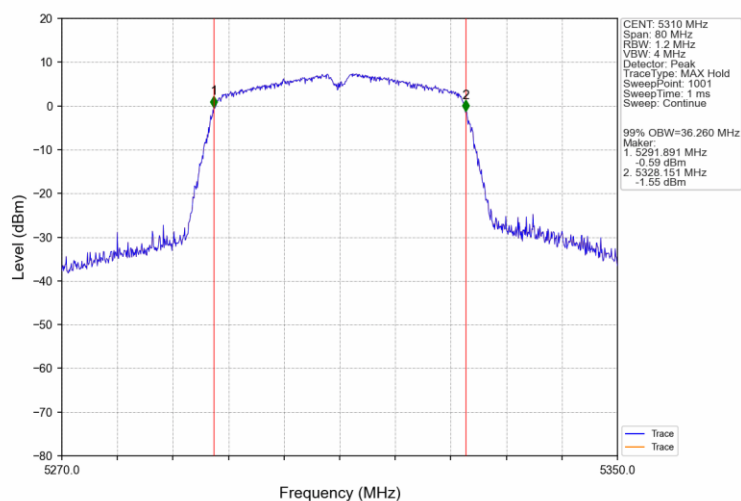
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



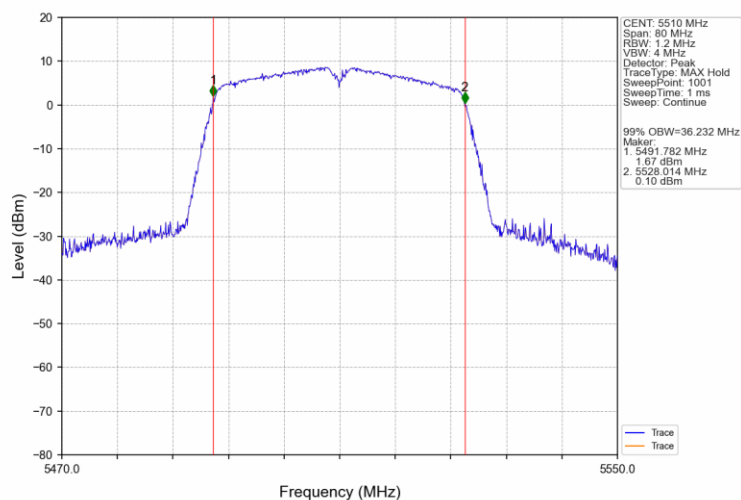
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



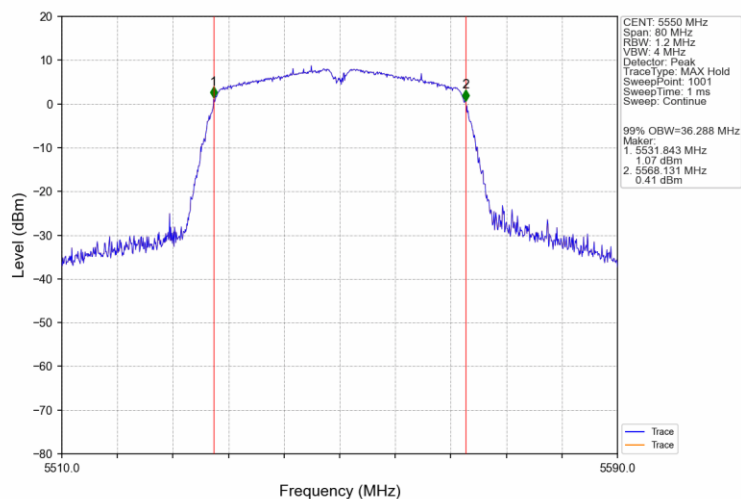
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



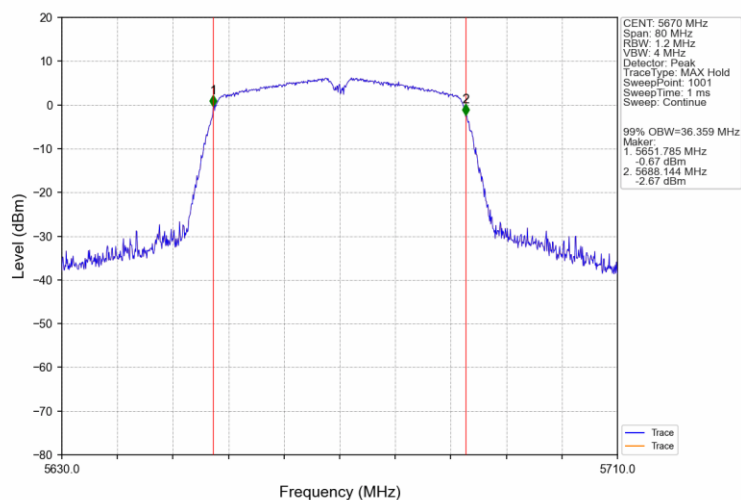
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



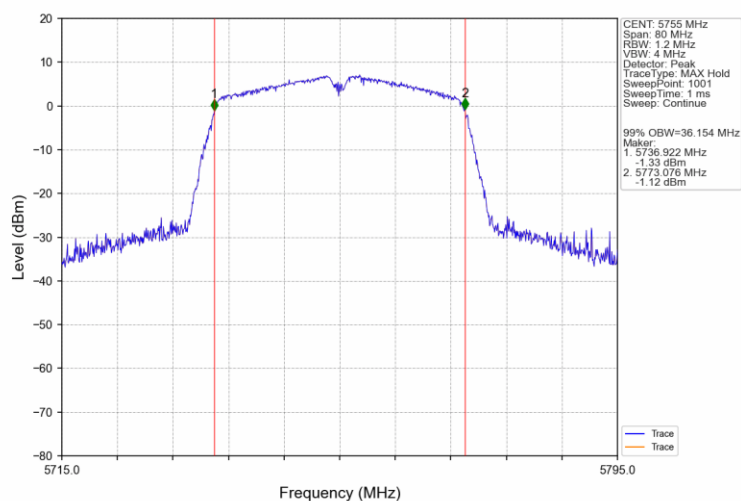
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

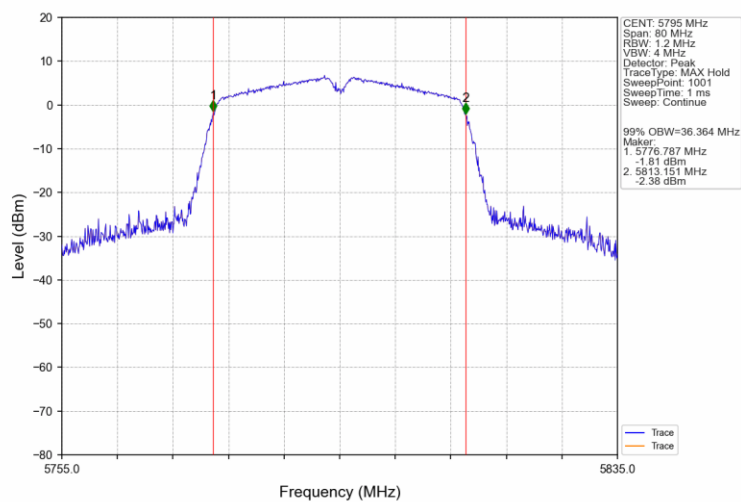


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



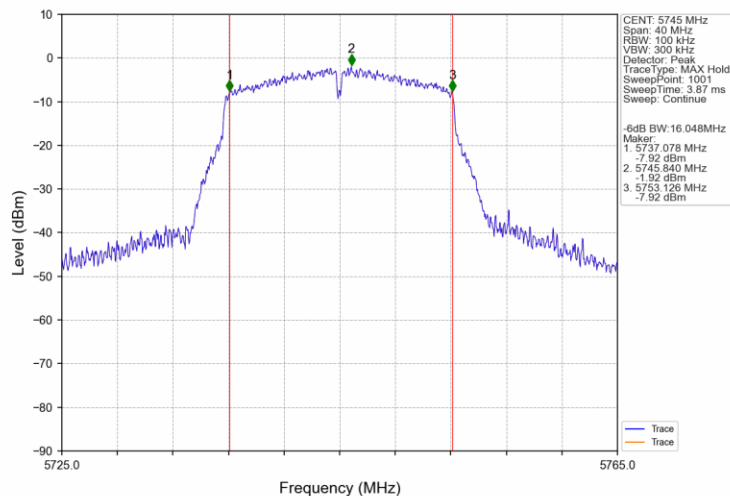


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

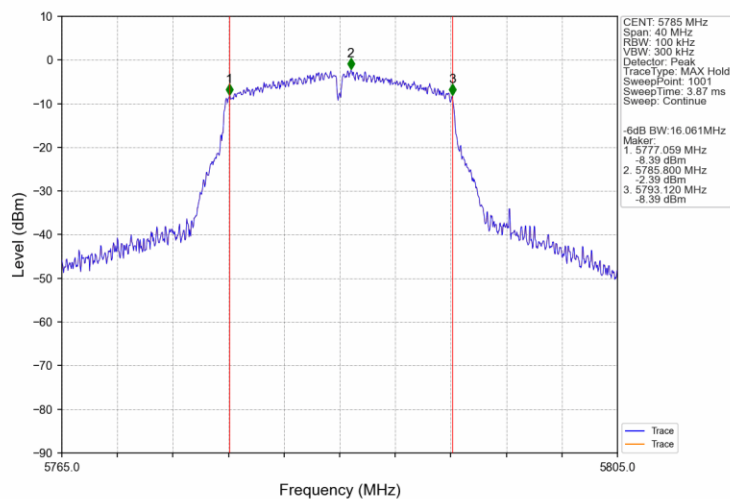


1.2.2 6dB BW

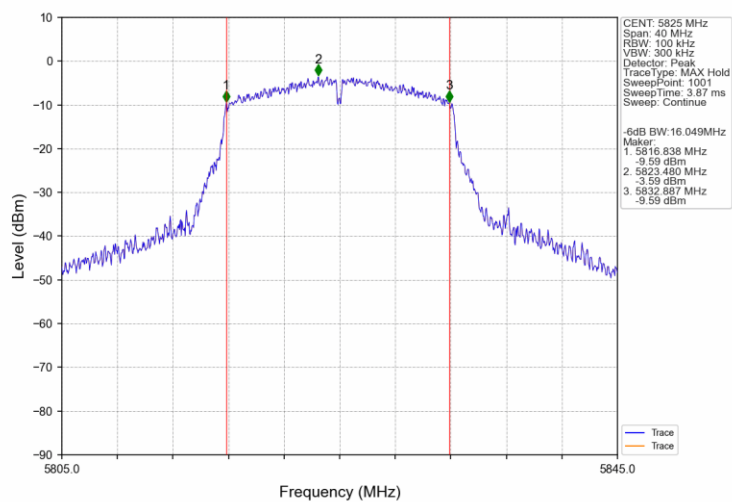
802.11a LCH 5745MHz Ant1 NTN



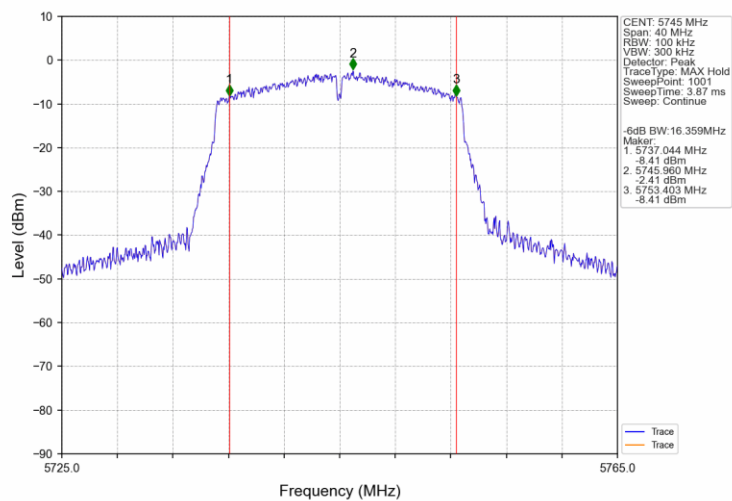
802.11a MCH 5785MHz Ant1 NTN



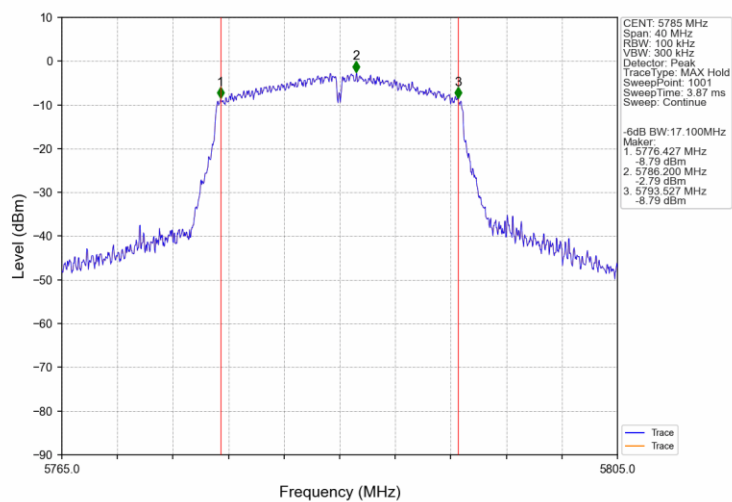
802.11a_HCH_5825MHz_Ant1_NTNV



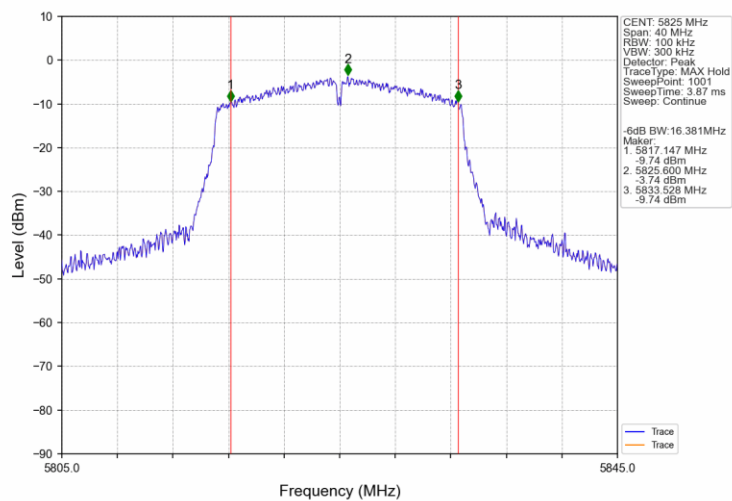
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



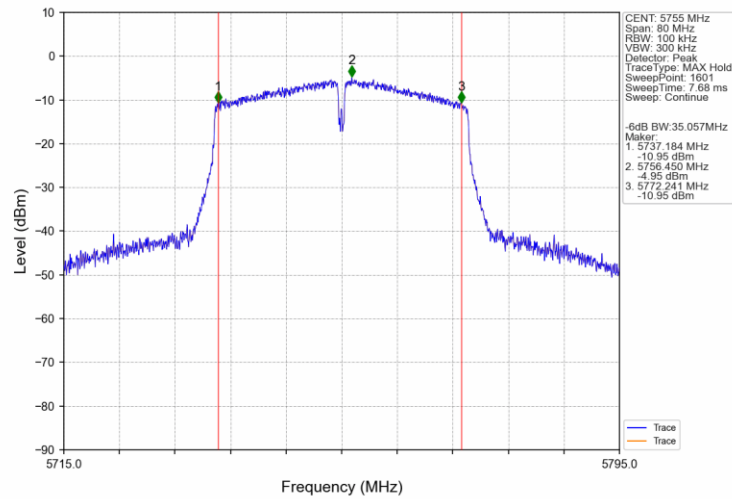
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



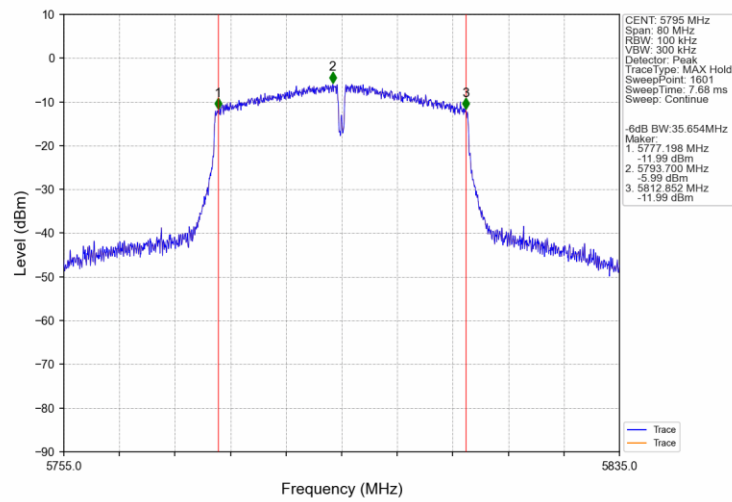
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

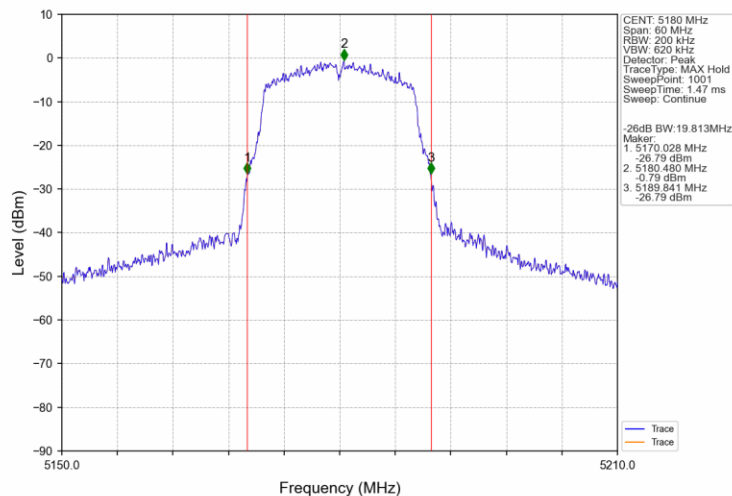


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

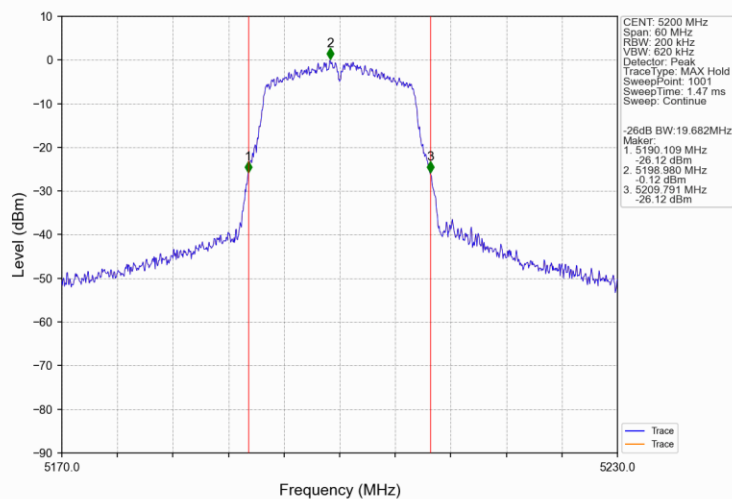


1.2.3 26dB BW

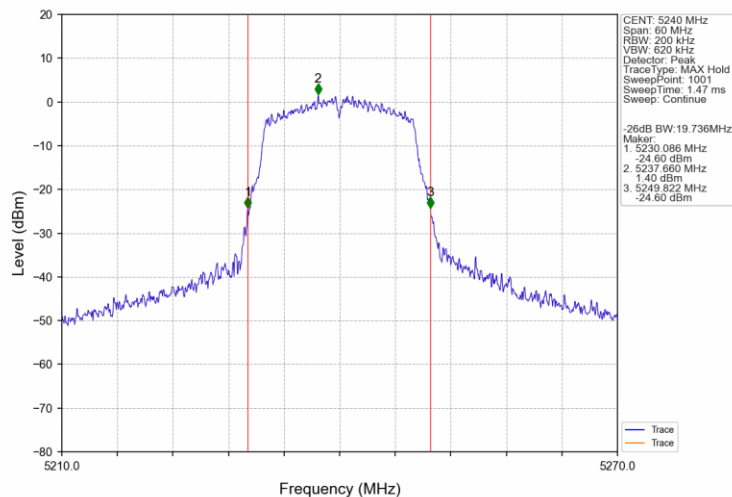
802.11a LCH 5180MHz Ant1 NTNv



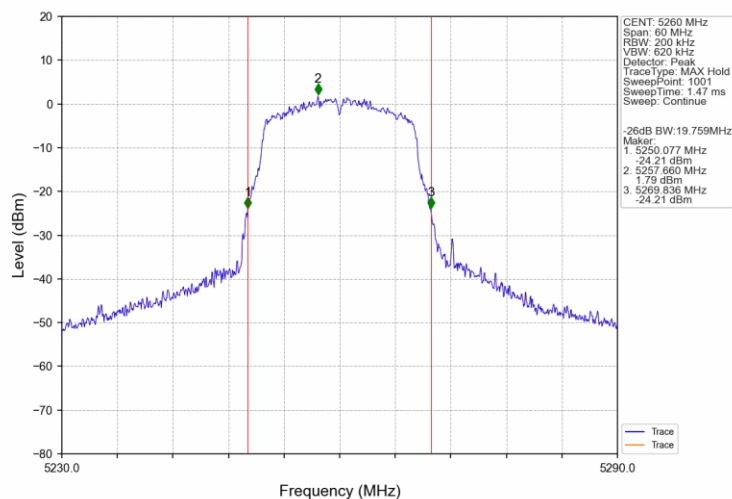
802.11a MCH 5200MHz Ant1 NTNv



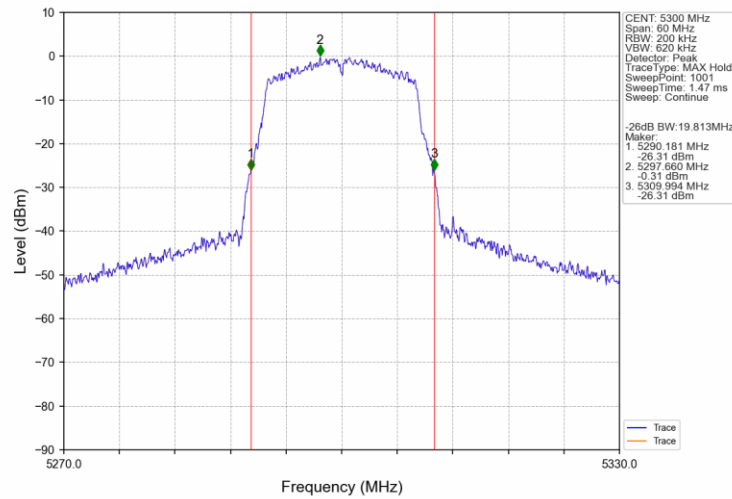
802.11a_HCH_5240MHz_Ant1_NTNV



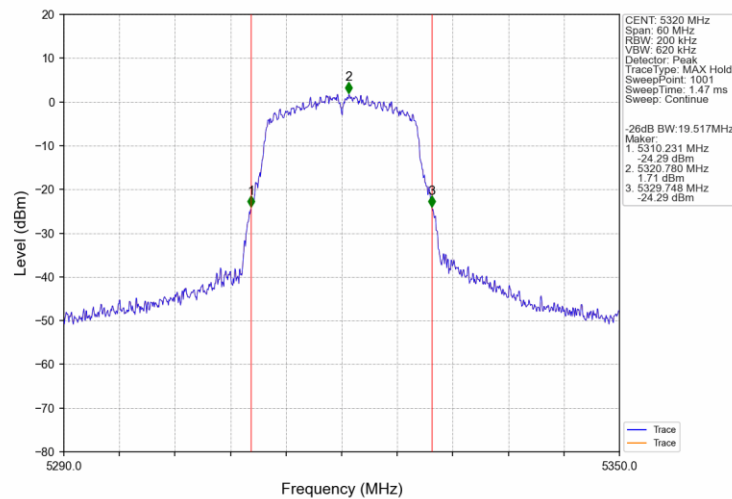
802.11a_LCH_5260MHz_Ant1_NTNV



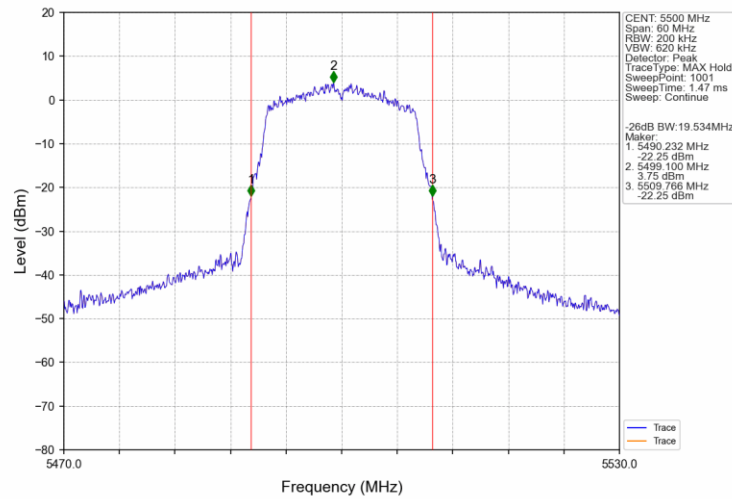
802.11a_MCH_5300MHz_Ant1_NTNV



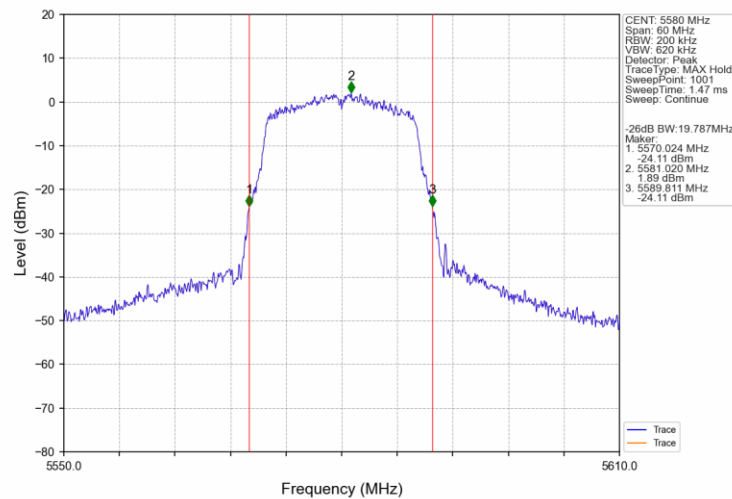
802.11a_HCH_5320MHz_Ant1_NTNV



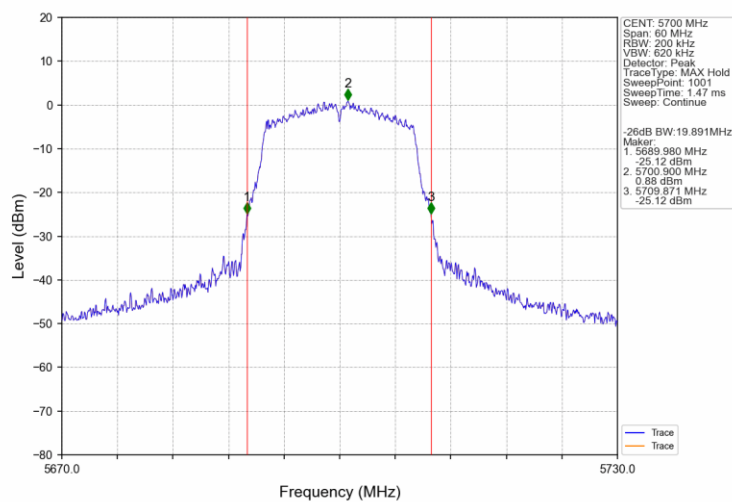
802.11a_LCH_5500MHz_Ant1_NTNV



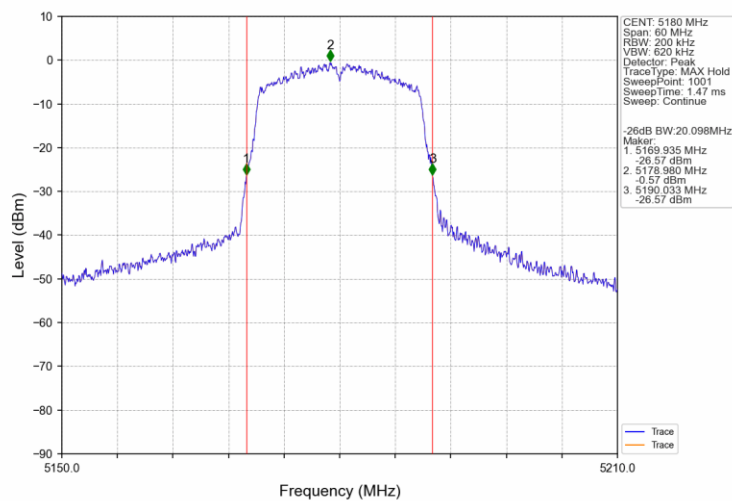
802.11a_MCH_5580MHz_Ant1_NTNV



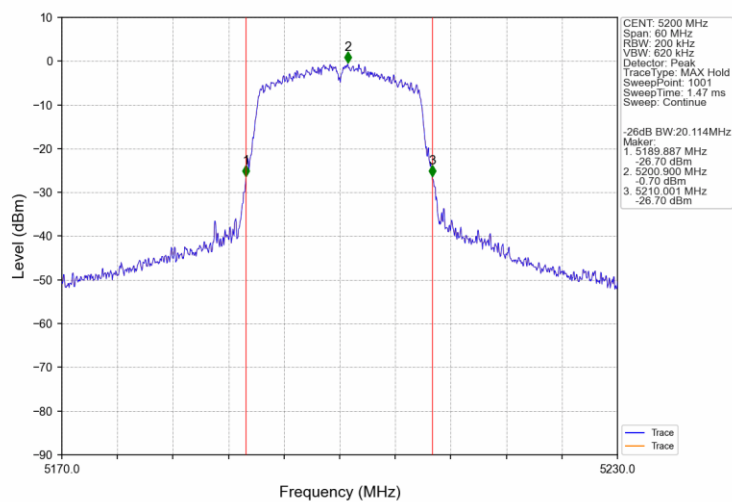
802.11a_HCH_5700MHz_Ant1_NTNV



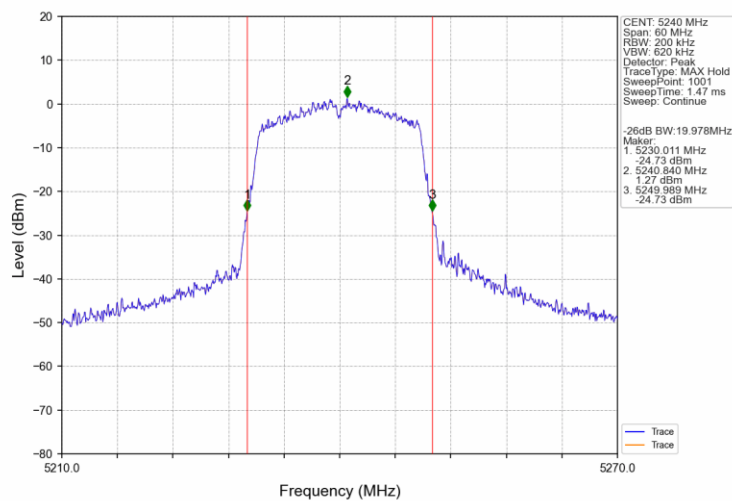
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



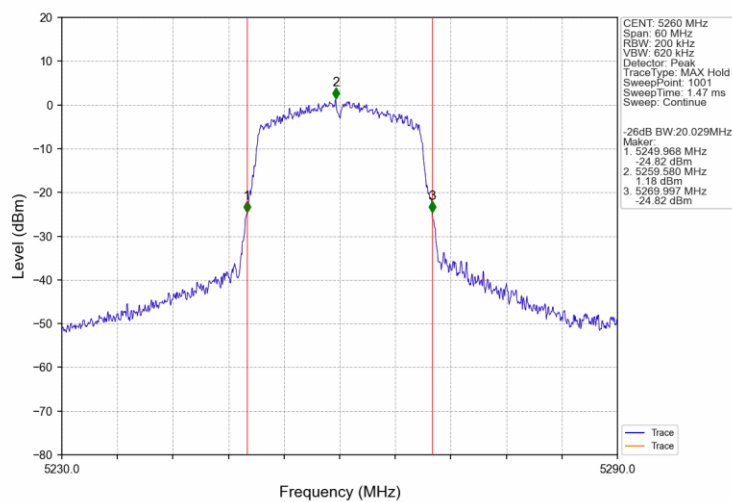
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



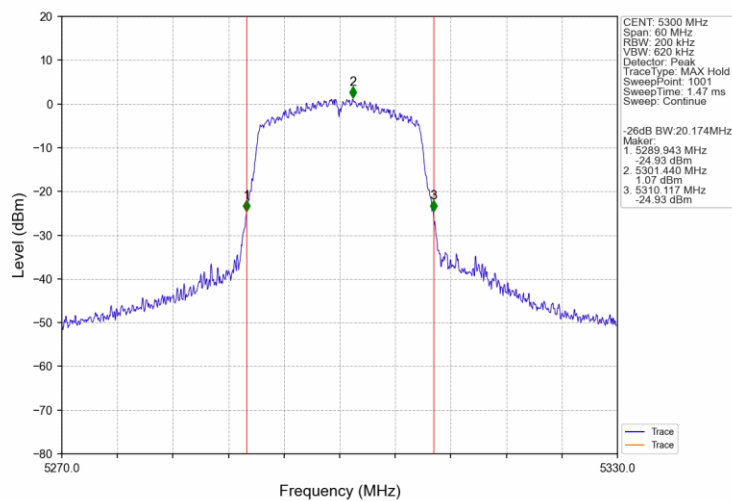
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



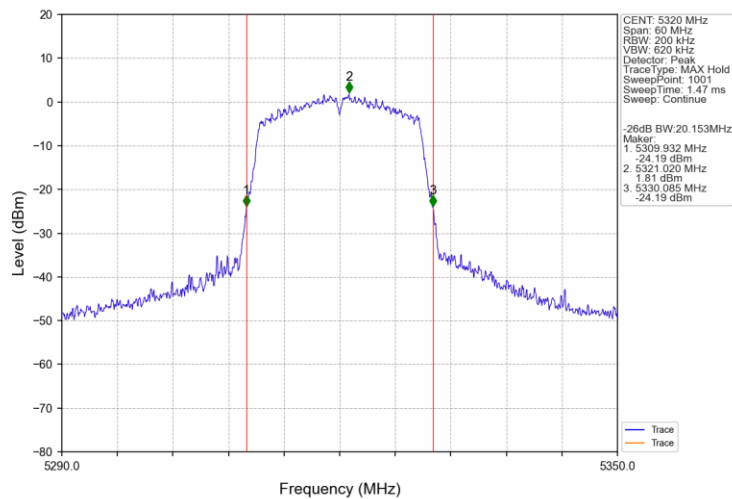
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



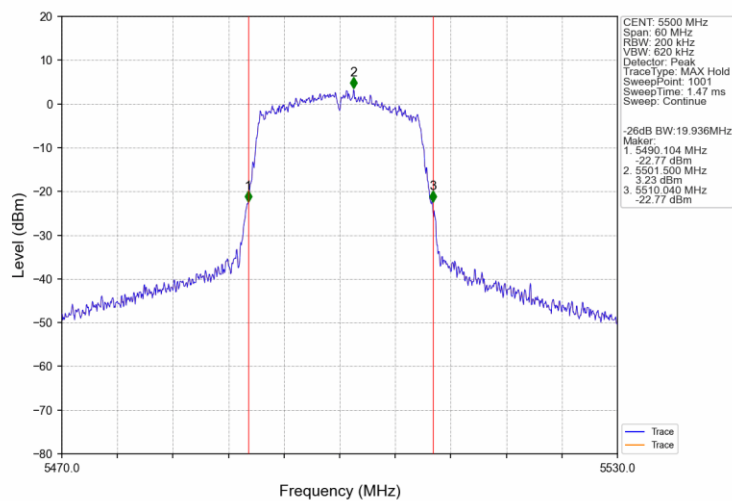
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



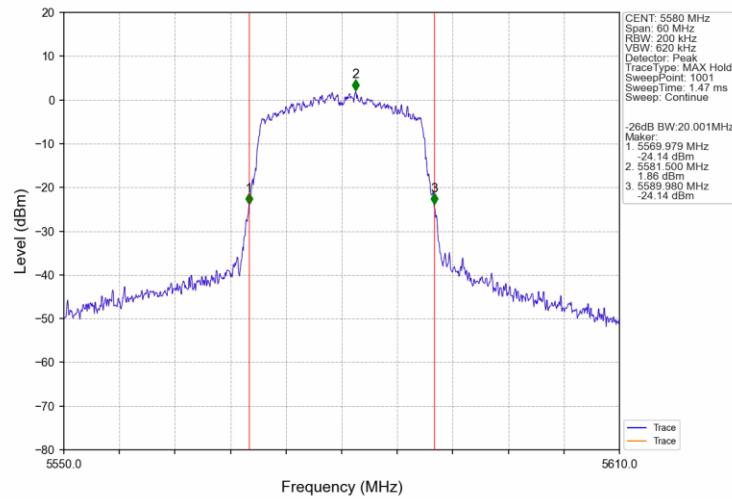
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



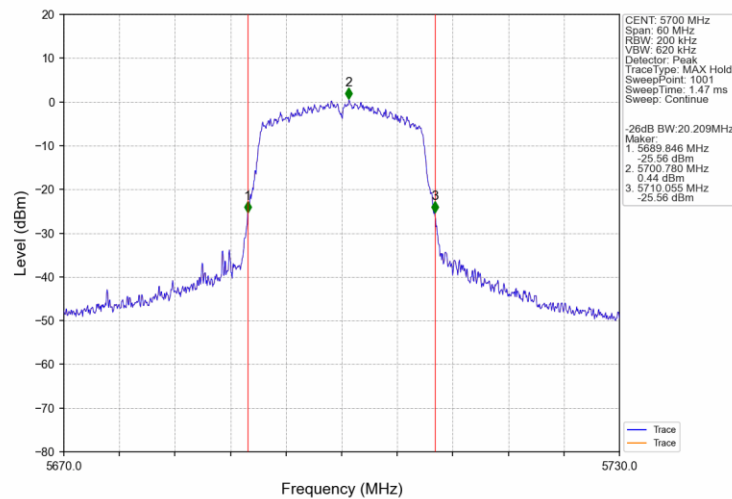
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



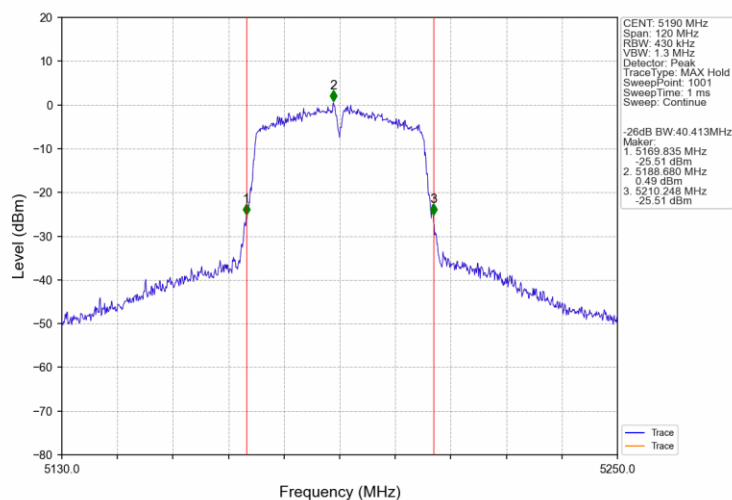
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



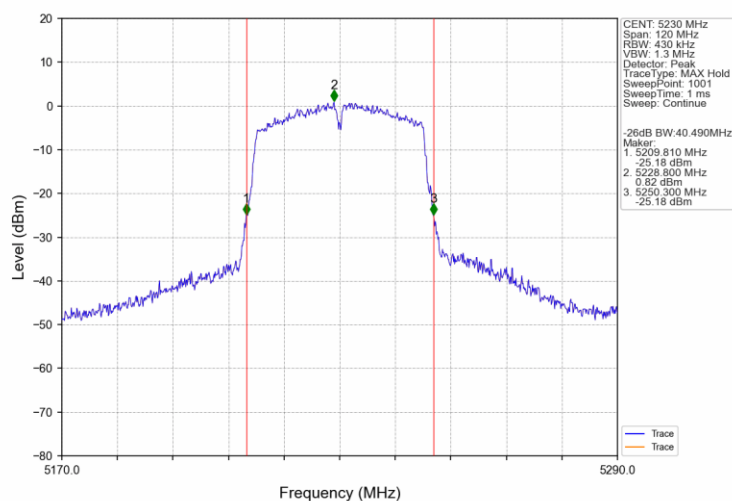
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



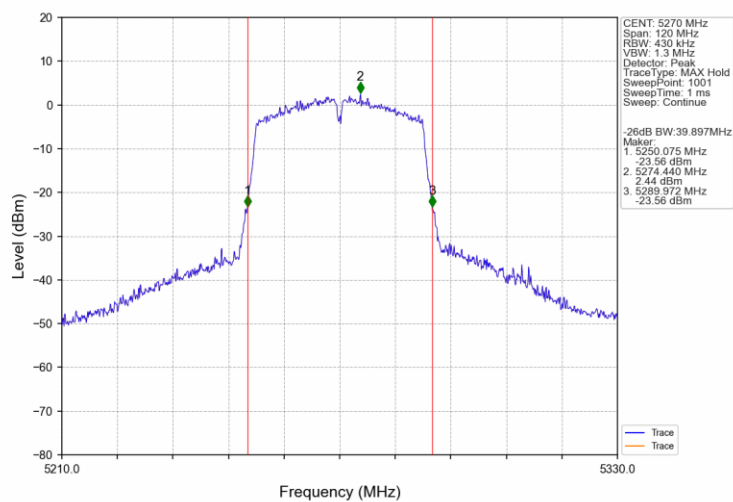
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



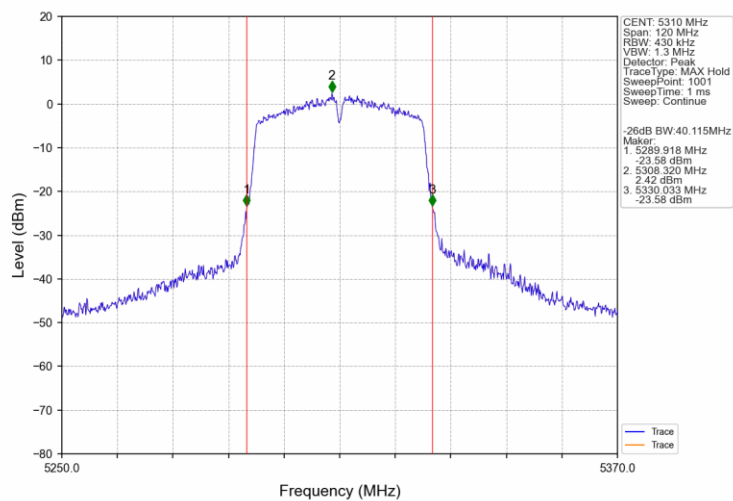
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



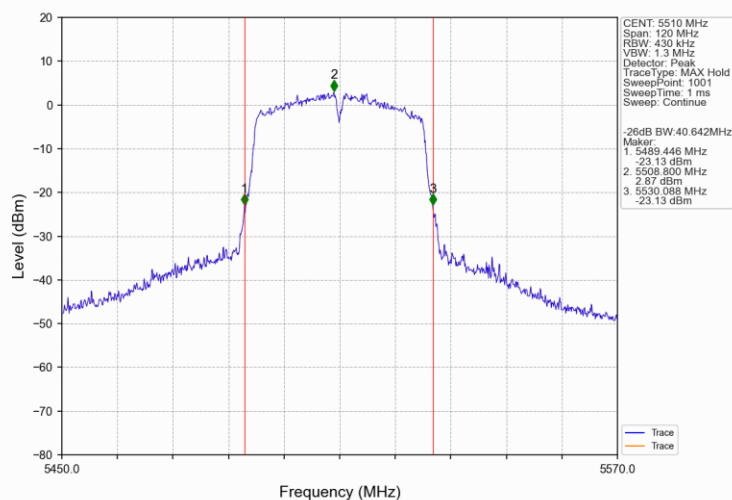
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



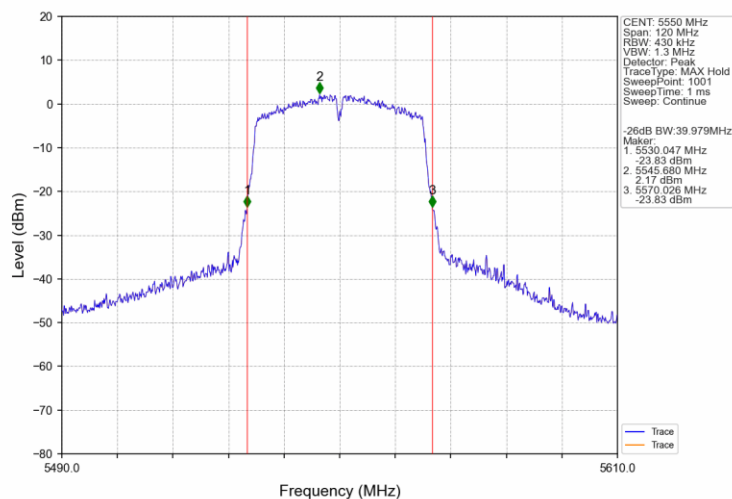
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40) LCH_5510MHz_Ant1_NTNV

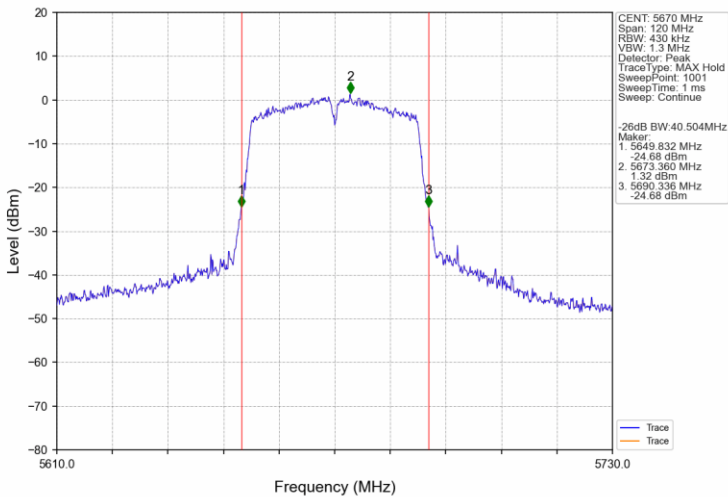


802.11n(HT40) MCH_5550MHz_Ant1_NTNV





802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT1	Limit IC	Limit FCC	
802.11a	SISO	5180	8.79	/	<=23.98	Pass
		5200	8.84	/	<=23.98	Pass
		5240	10.45	/	<=23.98	Pass
		5260	10.94	<=23.35	<=23.96	Pass
		5300	9.15	<=23.33	<=23.97	Pass
		5320	11.02	<=23.33	<=23.9	Pass
		5500	12.93	<=23.3	<=23.91	Pass
		5580	11.35	<=23.33	<=23.96	Pass
		5700	9.88	<=23.36	<=23.98	Pass
		5745	10.32	<=30	<=30	Pass
		5785	10.02	<=30	<=30	Pass
		5825	8.87	<=30	<=30	Pass
802.11n (HT20)	SISO	5180	8.84	/	<=23.98	Pass
		5200	8.95	/	<=23.98	Pass
		5240	10.10	/	<=23.98	Pass
		5260	10.50	<=23.54	<=23.98	Pass
		5300	10.67	<=23.55	<=23.98	Pass
		5320	11.06	<=23.54	<=23.98	Pass
		5500	12.64	<=23.53	<=23.98	Pass
		5580	11.26	<=23.55	<=23.98	Pass
		5700	9.69	<=23.55	<=23.98	Pass
		5745	9.92	<=30	<=30	Pass
		5785	9.81	<=30	<=30	Pass
		5825	8.63	<=30	<=30	Pass
802.11n (HT40)	SISO	5190	9.06	/	<=23.98	Pass
		5230	10.19	/	<=23.98	Pass
		5270	10.93	<=23.98	<=23.98	Pass
		5310	11.08	<=23.98	<=23.98	Pass
		5510	12.34	<=23.98	<=23.98	Pass
		5550	11.82	<=23.98	<=23.98	Pass
		5670	10.06	<=23.98	<=23.98	Pass
		5755	10.48	<=30	<=30	Pass
		5795	9.96	<=30	<=30	Pass

Note1: Antenna Gain: Ant1: 3.02dBi;

2.1.2 EIRP

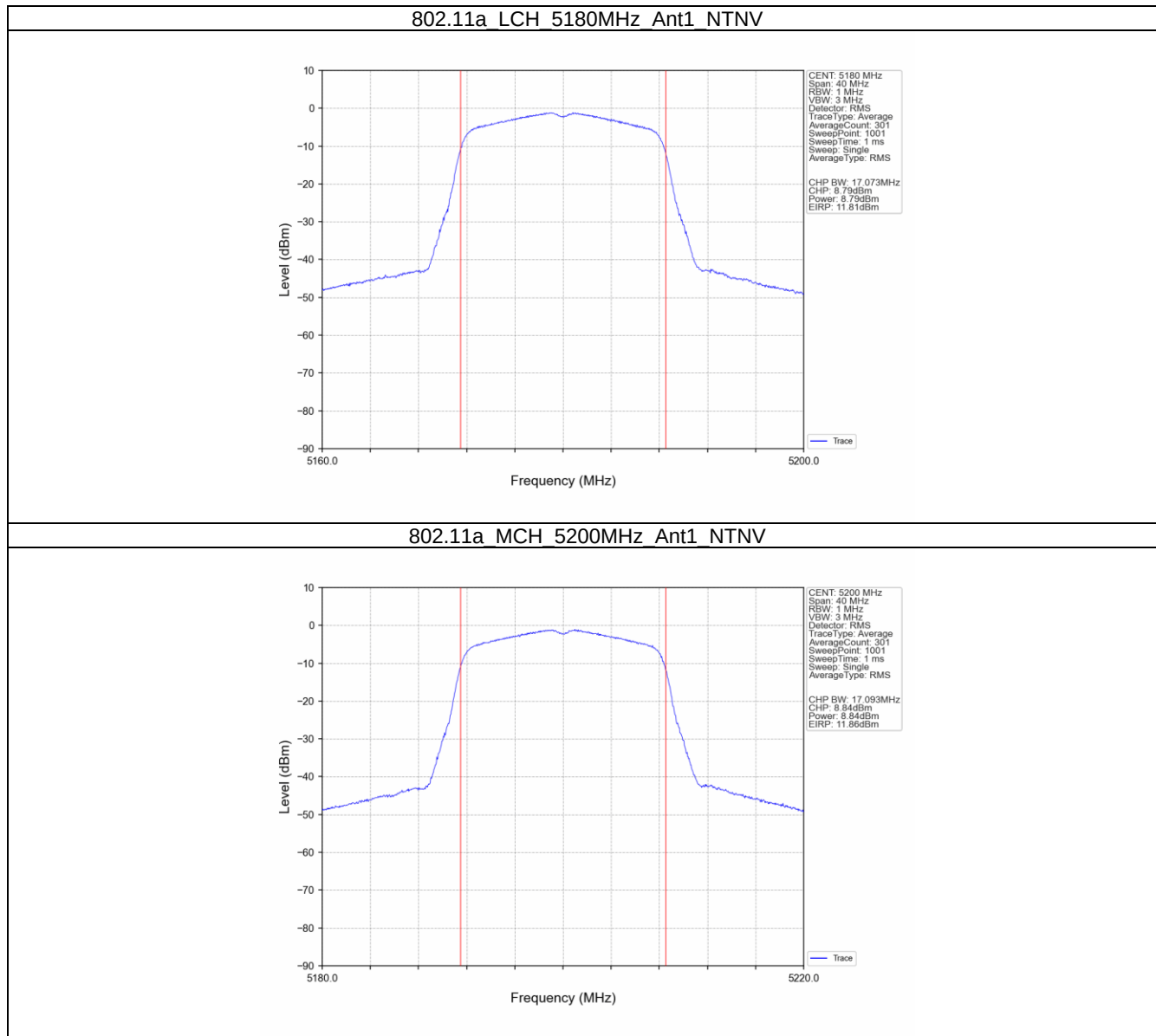
Mode	TX Type	Frequency (MHz)	E.I.R.P (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	11.81	<=22.32	Pass
		5200	11.86	<=22.33	Pass
		5240	13.47	<=22.34	Pass
		5260	10.94	<=29.35	Pass
		5300	9.15	<=29.33	Pass
		5320	11.02	<=29.33	Pass
		5500	12.93	<=29.3	Pass



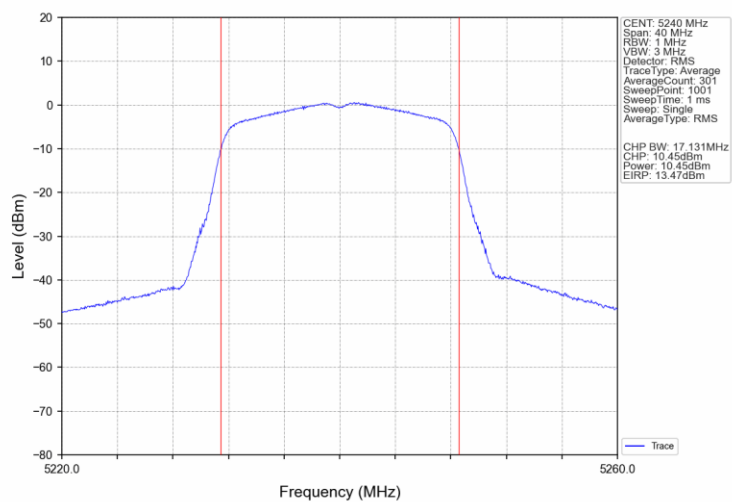
		5580	11.35	<=29.33	Pass
		5700	9.88	<=29.36	Pass
		5745	10.32	/	Pass
		5785	10.02	/	Pass
		5825	8.87	/	Pass
802.11n (HT20)	SISO	5180	11.86	<=22.54	Pass
		5200	11.97	<=22.57	Pass
		5240	13.12	<=22.56	Pass
		5260	10.50	<=29.54	Pass
		5300	10.67	<=29.55	Pass
		5320	11.06	<=29.54	Pass
		5500	12.64	<=29.53	Pass
		5580	11.26	<=29.55	Pass
		5700	9.69	<=29.55	Pass
		5745	9.92	/	Pass
		5785	9.81	/	Pass
		5825	8.63	/	Pass
802.11n (HT40)	SISO	5190	12.08	<=23.01	Pass
		5230	13.21	<=23.01	Pass
		5270	10.93	<=30	Pass
		5310	11.08	<=30	Pass
		5510	12.34	<=30	Pass
		5550	11.82	<=30	Pass
		5670	10.06	<=30	Pass
		5755	10.48	/	Pass
		5795	9.96	/	Pass
Note1: Antenna Gain: Ant1: 3.02dBi; Note2: E.I.R.P = Measured Power + Antenna Gain					

2.2 Test Graph

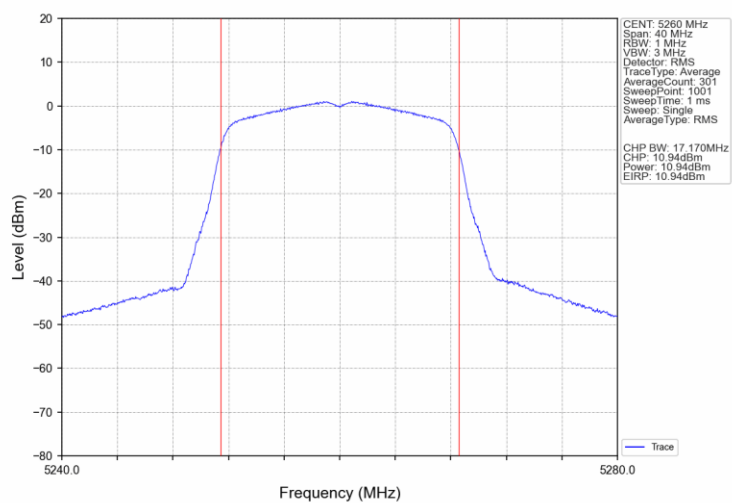
2.2.1 EIRP



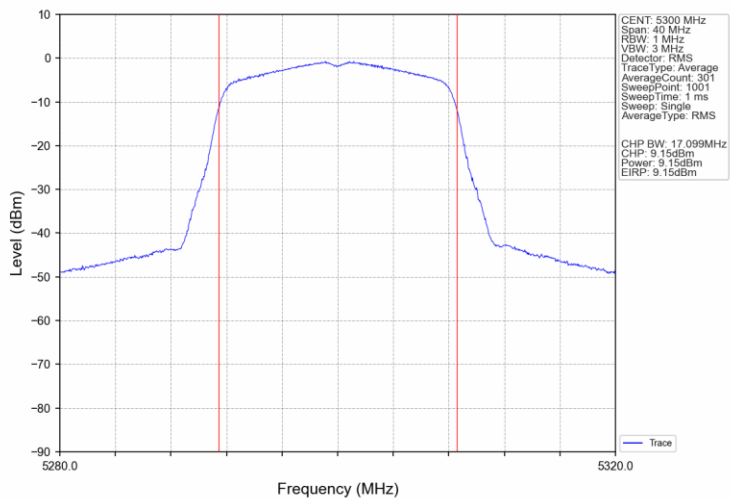
802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV

