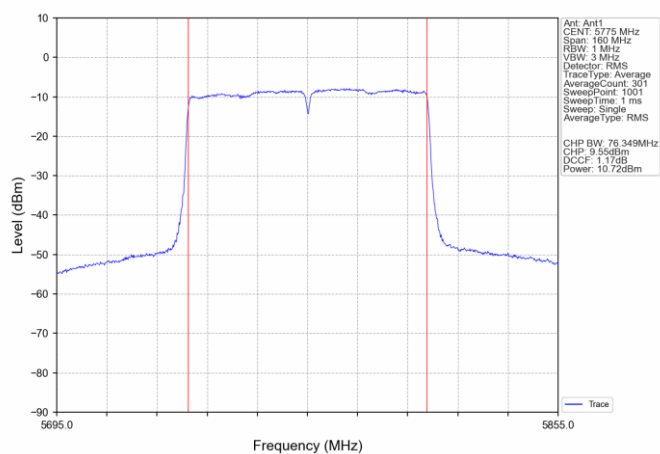
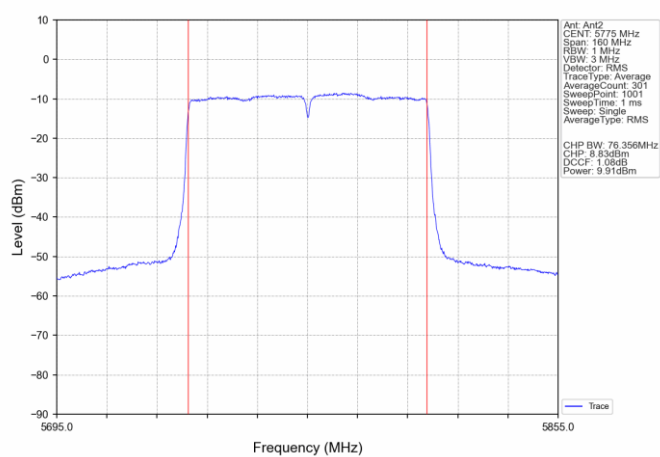




802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV





4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	0.41	-0.17	/	<=17	Pass
		5200	-0.73	-1.23	/	<=17	Pass
		5240	-0.62	-0.85	/	<=17	Pass
		5260	0.04	-0.18	/	<=11	Pass
		5300	0.69	0.43	/	<=11	Pass
		5320	1.73	1.48	/	<=11	Pass
		5500	1.06	0.74	/	<=11	Pass
		5580	-0.68	-0.86	/	<=11	Pass
		5700	-0.89	-0.63	/	<=11	Pass
802.11n (HT20)	SISO	5180	-2.51	-2.68	/	<=17	Pass
		5200	-3.59	-3.59	/	<=17	Pass
		5240	-3.14	-3.45	/	<=17	Pass
		5260	-2.54	-2.98	/	<=11	Pass
		5300	-1.97	-2.46	/	<=11	Pass
		5320	-0.81	-1.05	/	<=11	Pass
		5500	-1.44	-1.61	/	<=11	Pass
		5580	-3.27	-3.42	/	<=11	Pass
		5700	-3.28	-3.36	/	<=11	Pass
802.11n (HT40)	SISO	5190	-4.33	-4.84	/	<=17	Pass
		5230	-5.29	-5.41	/	<=17	Pass
		5270	-4.28	-4.79	/	<=11	Pass
		5310	-2.90	-3.27	/	<=11	Pass
		5510	-3.15	-3.50	/	<=11	Pass
		5550	-4.81	-5.24	/	<=11	Pass
		5670	-5.21	-5.29	/	<=11	Pass
802.11n (HT20)	MIMO	5180	-2.27	-2.84	0.39	<=17	Pass
		5200	-3.57	-3.67	-0.71	<=17	Pass
		5240	-3.11	-3.19	-0.25	<=17	Pass
		5260	-2.52	-2.65	0.28	<=11	Pass
		5300	-2.13	-2.37	0.61	<=11	Pass
		5320	-0.88	-1.04	1.89	<=11	Pass
		5500	-1.53	-1.53	1.42	<=11	Pass
		5580	-3.29	-3.46	-0.45	<=11	Pass
		5700	-3.40	-3.38	-0.46	<=11	Pass
802.11n	MIMO	5190	-4.31	-4.59	-1.51	<=17	Pass



(HT40)		5230	-5.08	-5.46	-2.39	<=17	Pass
		5270	-4.37	-4.84	-1.70	<=11	Pass
		5310	-2.95	-3.14	-0.09	<=11	Pass
		5510	-3.16	-3.17	-0.15	<=11	Pass
		5550	-4.98	-5.13	-2.14	<=11	Pass
		5670	-5.32	-5.44	-2.45	<=11	Pass
802.11ac (VHT20)	SISO	5180	-2.59	-2.40	/	<=17	Pass
		5200	-3.54	-3.66	/	<=17	Pass
		5240	-3.14	-3.40	/	<=17	Pass
		5260	-2.51	-2.80	/	<=11	Pass
		5300	-2.02	-2.33	/	<=11	Pass
		5320	-0.87	-1.03	/	<=11	Pass
		5500	-1.33	-1.45	/	<=11	Pass
		5580	-3.21	-3.39	/	<=11	Pass
		5700	-3.29	-3.18	/	<=11	Pass
802.11ac (VHT40)	SISO	5190	-4.30	-4.66	/	<=17	Pass
		5230	-5.14	-5.57	/	<=17	Pass
		5270	-4.42	-4.73	/	<=11	Pass
		5310	-2.89	-3.10	/	<=11	Pass
		5510	-3.12	-3.40	/	<=11	Pass
		5550	-4.63	-5.23	/	<=11	Pass
		5670	-5.32	-5.31	/	<=11	Pass
802.11ac (VHT80)	SISO	5210	-7.39	-7.68	/	<=17	Pass
		5290	-6.46	-6.69	/	<=11	Pass
		5530	-6.27	-6.40	/	<=11	Pass
		5610	-8.70	-8.73	/	<=11	Pass
802.11ac (VHT20)	MIMO	5180	-2.21	-2.66	0.50	<=17	Pass
		5200	-3.45	-3.64	-0.68	<=17	Pass
		5240	-3.05	-3.18	-0.19	<=17	Pass
		5260	-2.44	-2.62	0.38	<=11	Pass
		5300	-2.06	-2.28	0.72	<=11	Pass
		5320	-0.78	-1.07	1.99	<=11	Pass
		5500	-1.47	-1.51	1.52	<=11	Pass
		5580	-3.16	-3.37	-0.38	<=11	Pass
		5700	-3.20	-3.29	-0.39	<=11	Pass
802.11ac (VHT40)	MIMO	5190	-4.12	-4.58	-1.41	<=17	Pass
		5230	-5.06	-5.44	-2.30	<=17	Pass
		5270	-4.44	-4.71	-1.62	<=11	Pass
		5310	-2.81	-3.27	-0.15	<=11	Pass



		5510	-3.30	-3.36	-0.40	<=11	Pass
		5550	-4.90	-4.99	-2.00	<=11	Pass
		5670	-5.18	-5.10	-2.33	<=11	Pass
802.11ac (VHT80)	MIMO	5210	-7.22	-7.30	-4.35	<=17	Pass
		5290	-6.39	-6.69	-3.69	<=11	Pass
		5530	-6.52	-6.49	-3.64	<=11	Pass
		5610	-8.36	-8.68	-5.63	<=11	Pass

Note1: Antenna Gain:

- Band: 1 Ant1: 0.48dBi;
- Band: 3 Ant1: 0.48dBi;
- Band: 2A Ant1: 0.48dBi;
- Band: 2C Ant1: 0.48dBi;
- Band: 3 Ant2: 0.48dBi;
- Band: 2A Ant2: 0.48dBi;
- Band: 2C Ant2: 0.48dBi;
- Band: 1 Ant2: 0.48dBi;



4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	-2.37	-2.75	/	<=30	Pass
		5785	-2.31	-2.71	/	<=30	Pass
		5825	-2.72	-3.15	/	<=30	Pass
802.11n (HT20)	SISO	5745	-4.80	-5.33	/	<=30	Pass
		5785	-4.88	-5.48	/	<=30	Pass
		5825	-5.23	-5.84	/	<=30	Pass
802.11n (HT40)	SISO	5755	-6.17	-6.81	/	<=30	Pass
		5795	-6.13	-6.83	/	<=30	Pass
802.11n (HT20)	MIMO	5745	-4.96	-5.02	-2.16	<=30	Pass
		5785	-4.87	-5.36	-2.22	<=30	Pass
		5825	-5.36	-5.61	-2.62	<=30	Pass
802.11n (HT40)	MIMO	5755	-6.13	-7.06	-3.74	<=30	Pass
		5795	-6.47	-6.78	-3.69	<=30	Pass
802.11ac (VHT20)	SISO	5745	-4.80	-5.37	/	<=30	Pass
		5785	-4.75	-5.32	/	<=30	Pass
		5825	-5.13	-5.81	/	<=30	Pass
802.11ac (VHT40)	SISO	5755	-5.97	-6.90	/	<=30	Pass
		5795	-6.11	-7.06	/	<=30	Pass
802.11ac (VHT80)	SISO	5775	-9.42	-10.37	/	<=30	Pass
802.11ac (VHT20)	MIMO	5745	-4.86	-5.11	-2.10	<=30	Pass
		5785	-4.78	-5.15	-2.07	<=30	Pass
		5825	-5.34	-5.67	-2.58	<=30	Pass
802.11ac (VHT40)	MIMO	5755	-5.98	-6.97	-3.61	<=30	Pass
		5795	-6.31	-6.71	-3.70	<=30	Pass
802.11ac (VHT80)	MIMO	5775	-9.71	-10.43	-7.22	<=30	Pass

Note1: Antenna Gain:

- Band: 1 Ant1: 0.48dBi;
- Band: 3 Ant1: 0.48dBi;
- Band: 2A Ant1: 0.48dBi;
- Band: 2C Ant1: 0.48dBi;
- Band: 1 Ant2: 0.48dBi;
- Band: 3 Ant2: 0.48dBi;
- Band: 2A Ant2: 0.48dBi;
- Band: 2C Ant2: 0.48dBi;



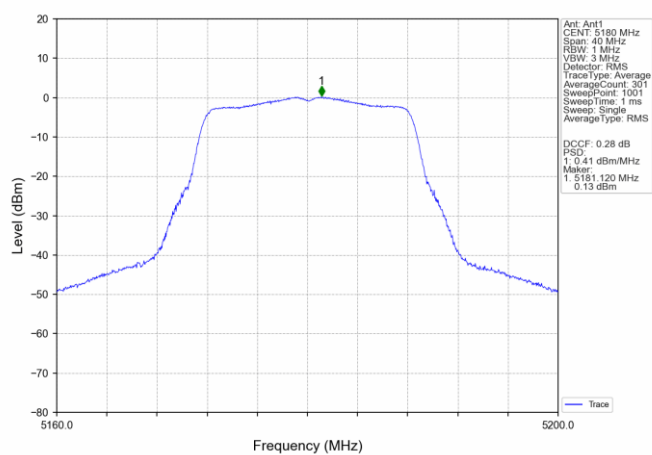
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)



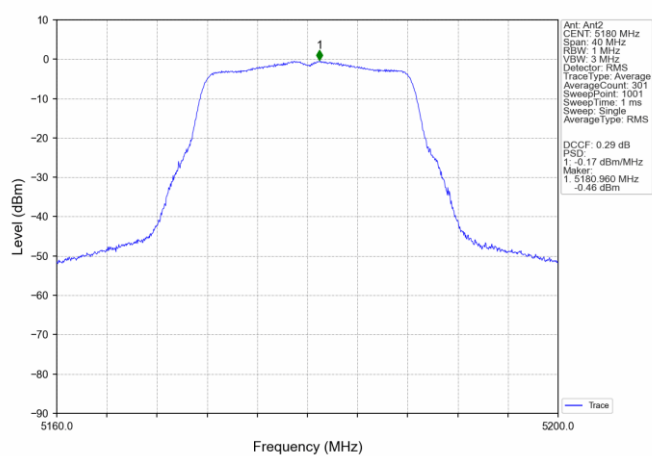
4.2 Test Graph

4.2.1 PSD

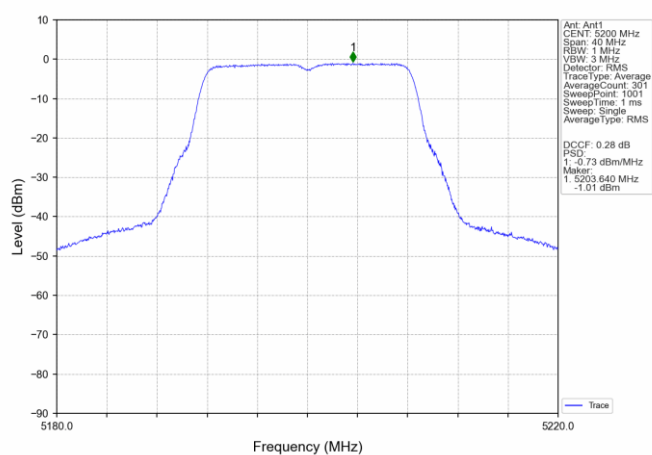
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_LCH_5180MHz_Ant2_NTNV

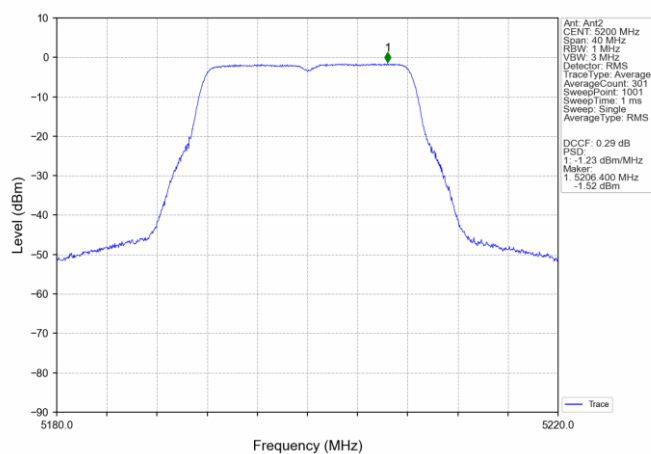


802.11a_MCH_5200MHz_Ant1_NTNV

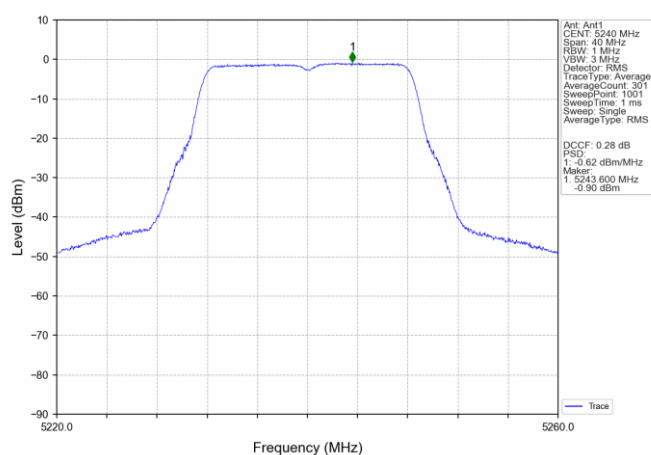




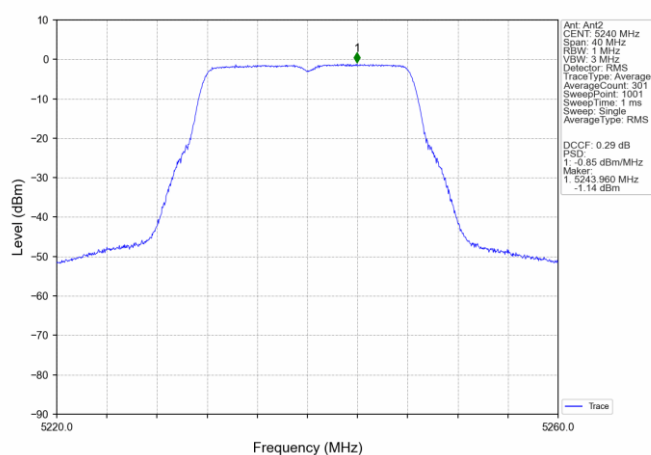
802.11a_MCH_5200MHz_Ant2_NTNV



802.11a_HCH_5240MHz_Ant1_NTNV

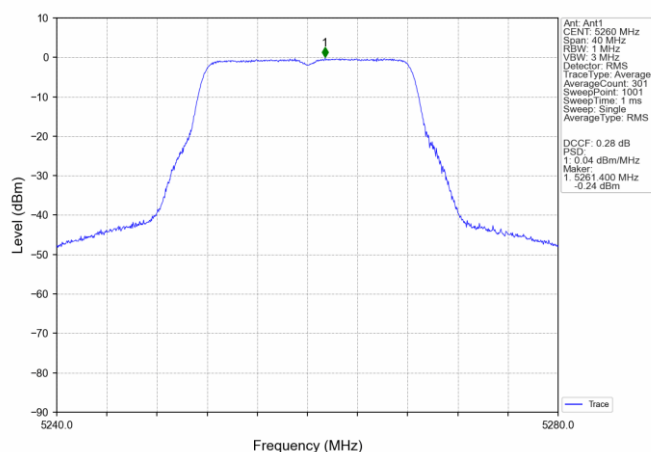


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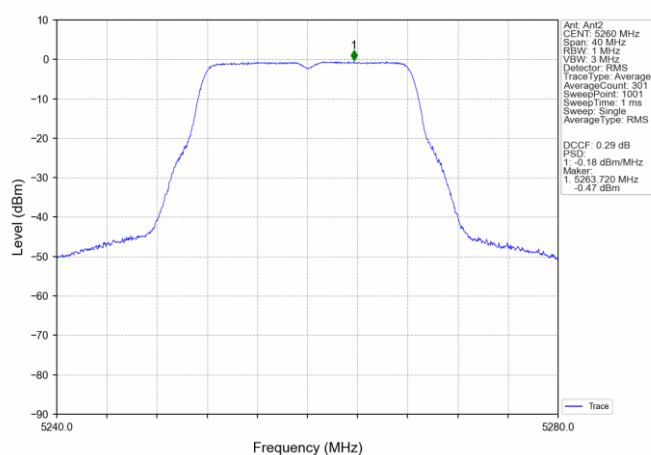




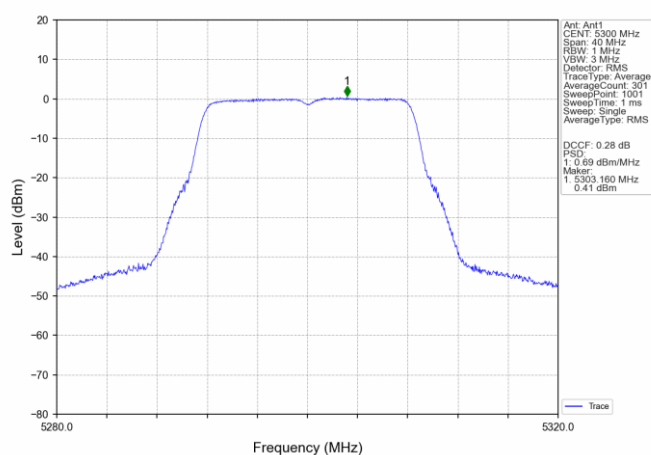
802.11a LCH_5260MHz_Ant1_NTNV



802.11a LCH_5260MHz_Ant2_NTNV

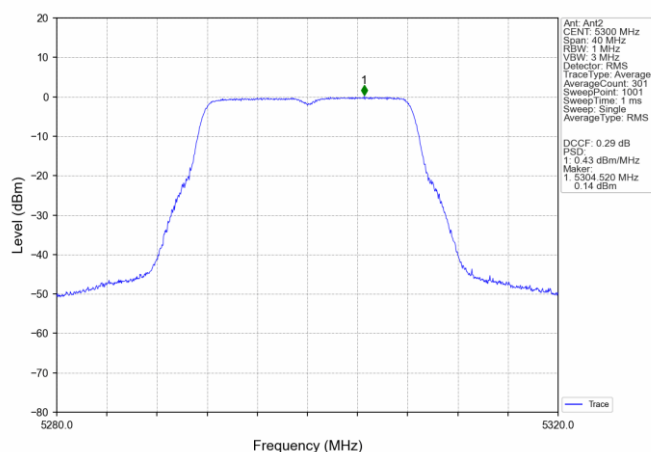


802.11a MCH_5300MHz_Ant1_NTNV

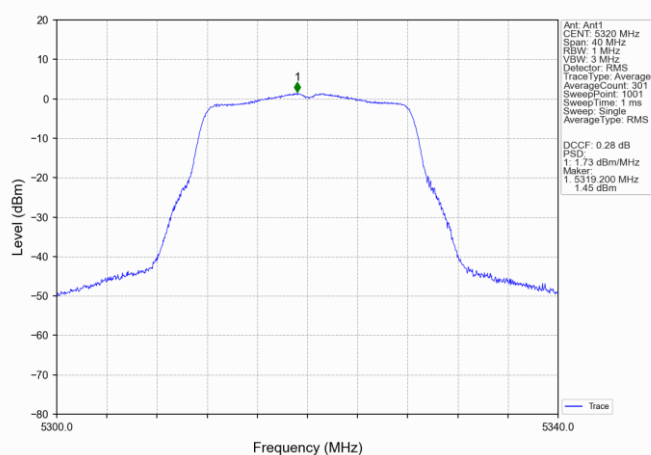




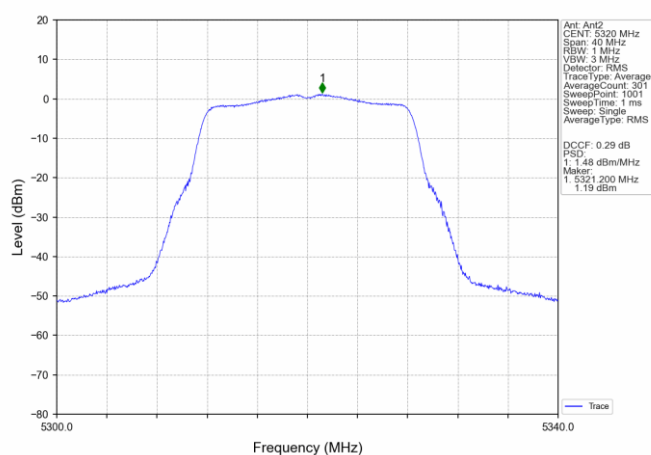
802.11a_MCH_5300MHz_Ant2_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV

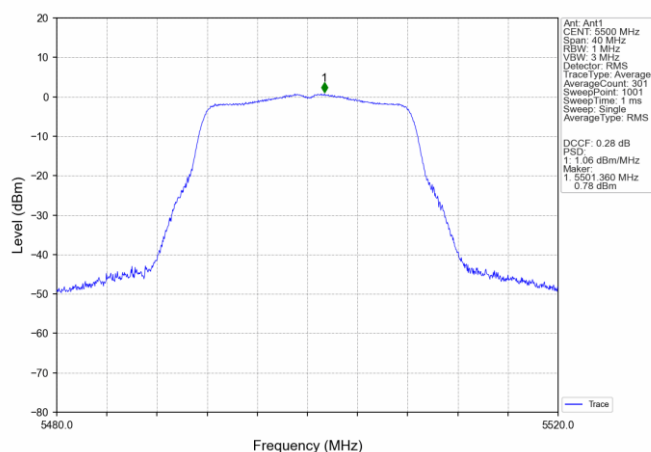


802.11a_HCH_5320MHz_Ant2_NTNV

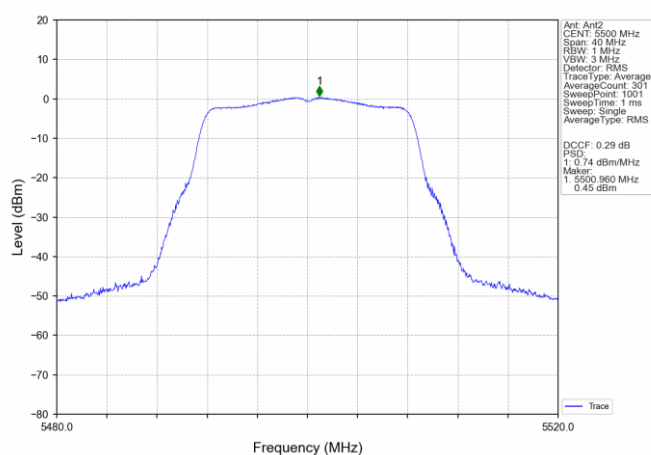




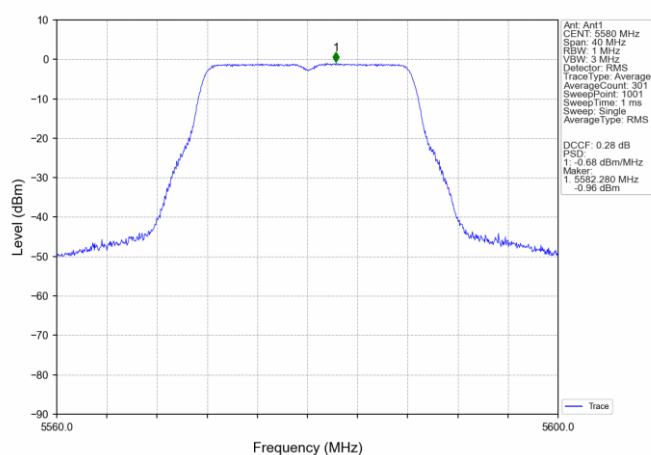
802.11a LCH_5500MHz_Ant1_NTNV



802.11a LCH_5500MHz_Ant2_NTNV

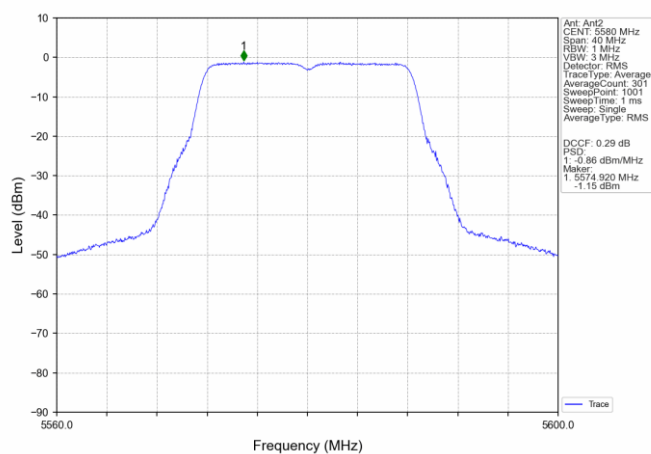


802.11a MCH_5580MHz_Ant1_NTNV

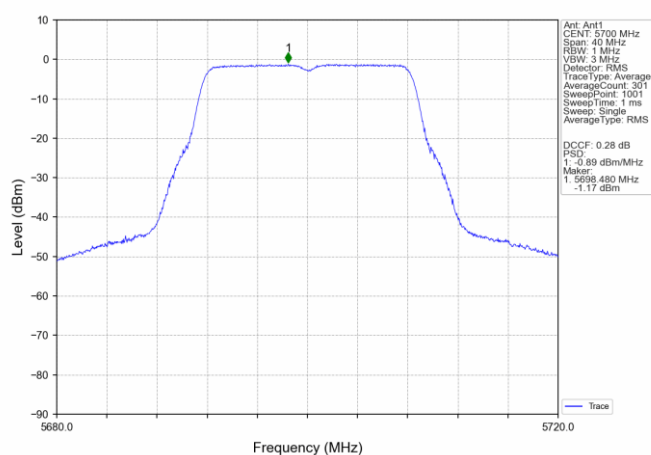




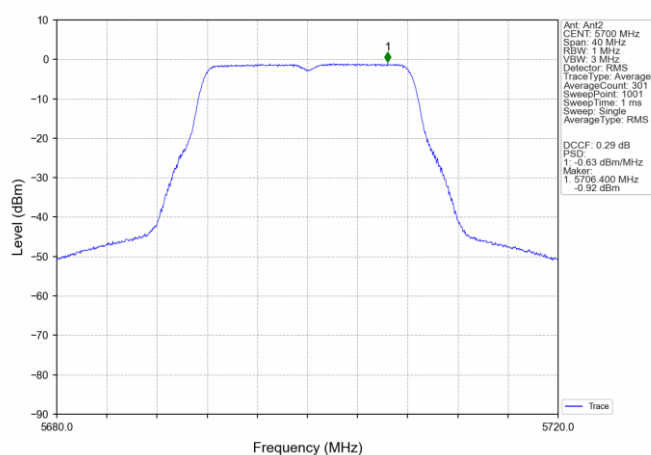
802.11a_MCH_5580MHz_Ant2_NTNV



802.11a_HCH_5700MHz_Ant1_NTNV

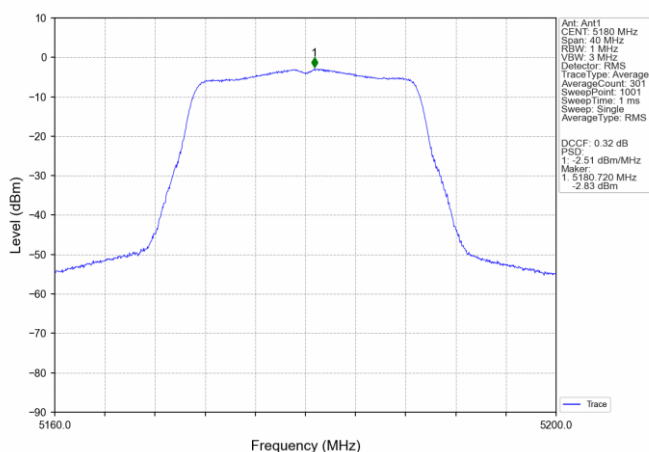


802.11a_HCH_5700MHz_Ant2_NTNV

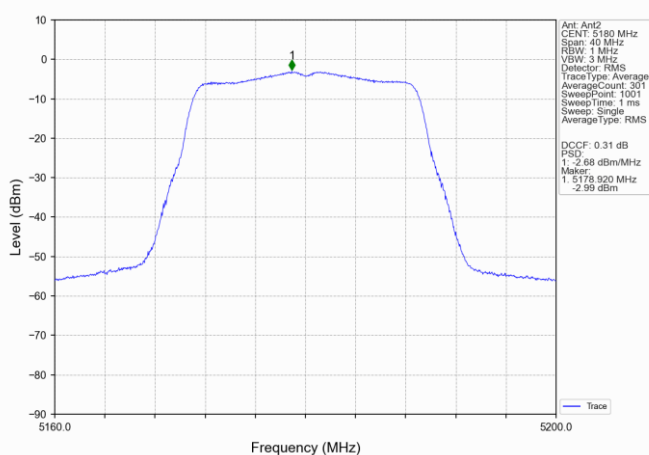




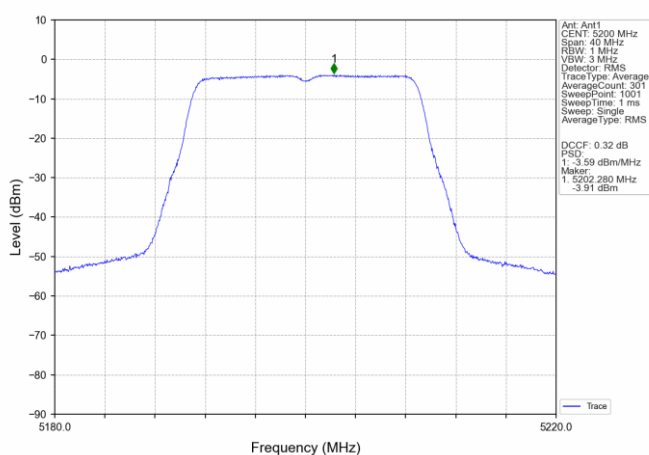
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant2_NTNV

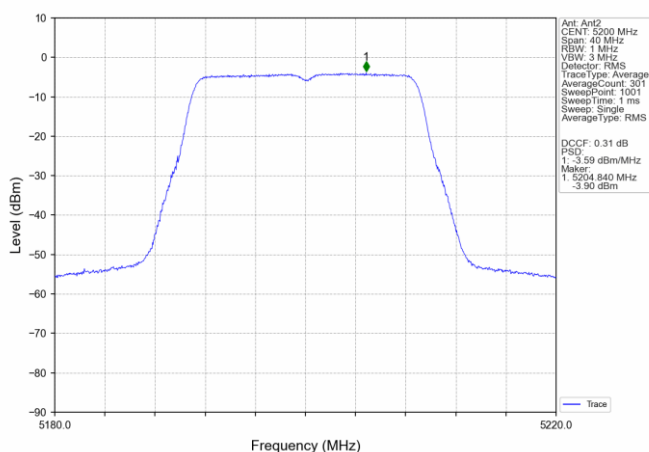


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

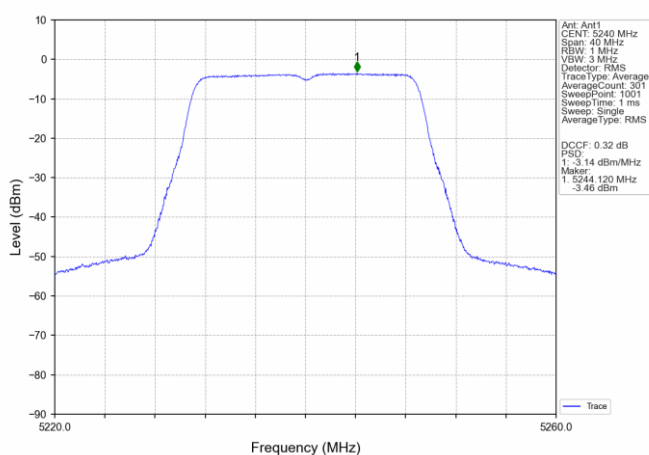




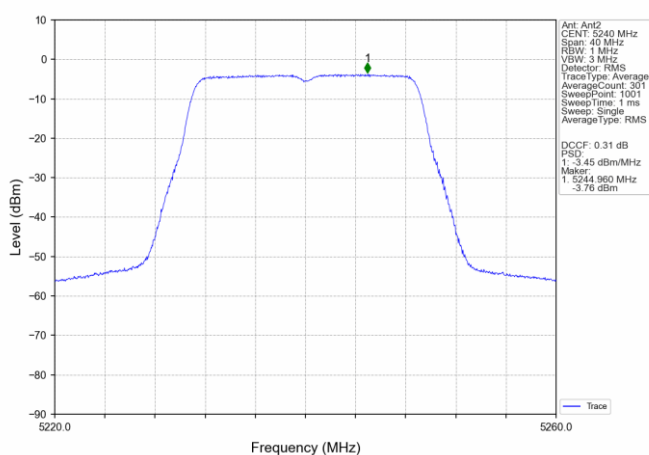
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

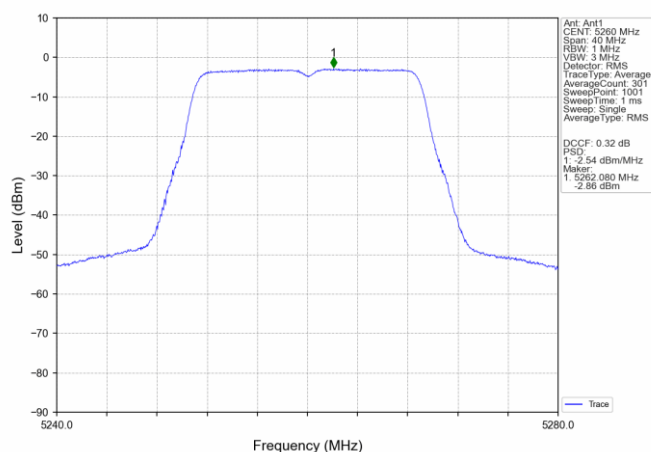


802.11n(HT20)_HCH_5240MHz_Ant2_NTNV

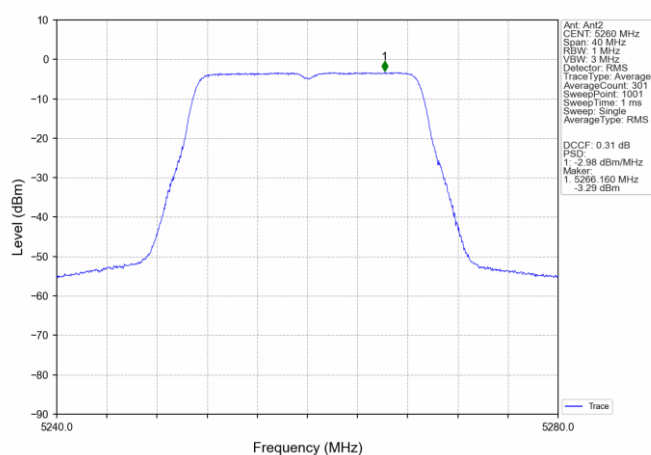




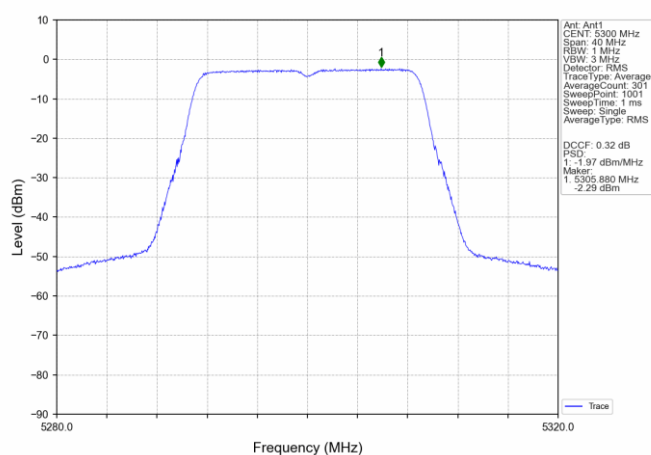
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



802.11n(HT20)_LCH_5260MHz_Ant2_NTNV

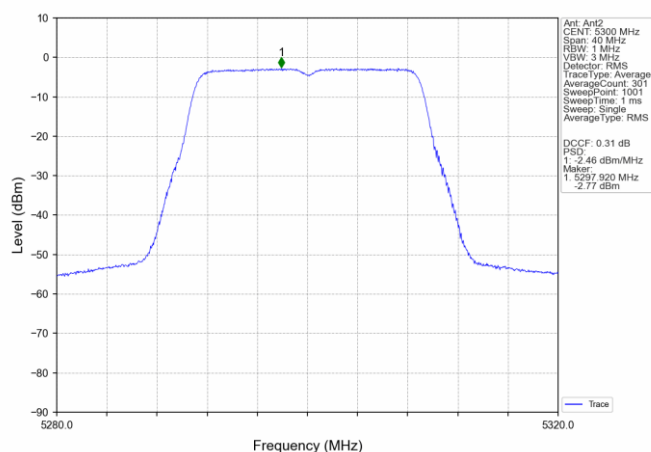


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

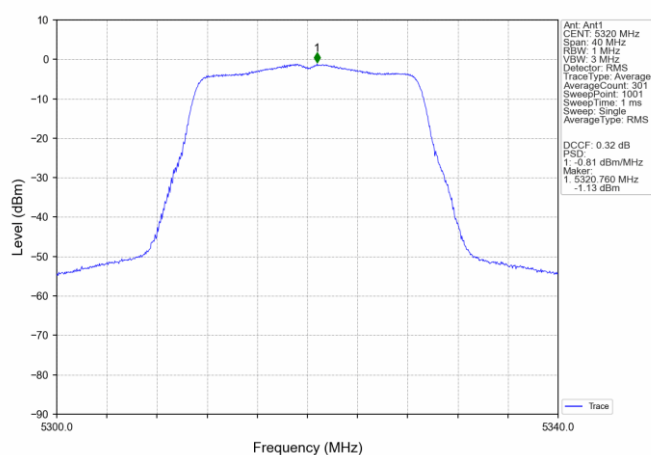




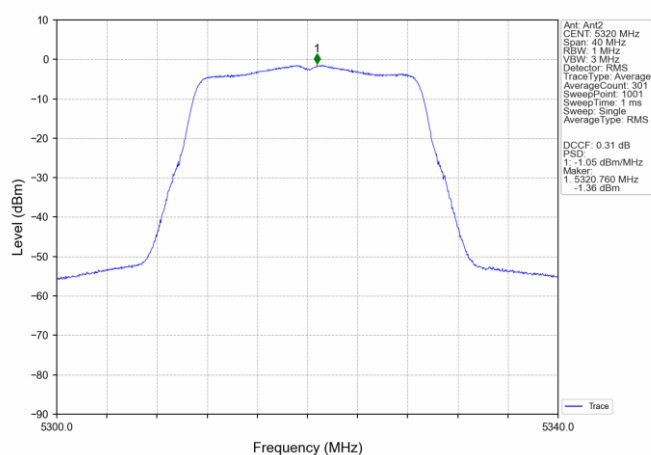
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

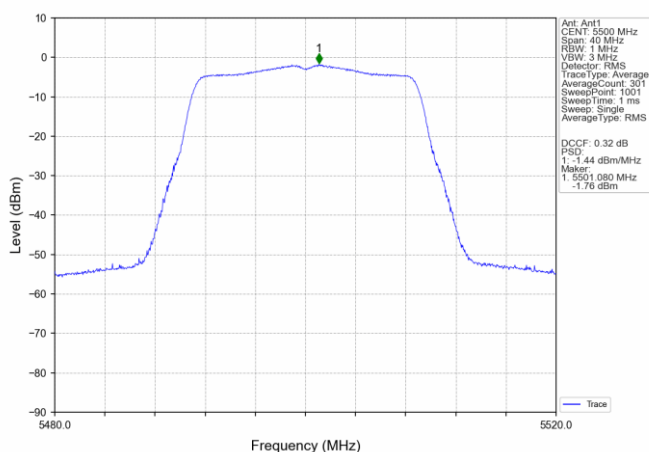


802.11n(HT20)_HCH_5320MHz_Ant2_NTNV

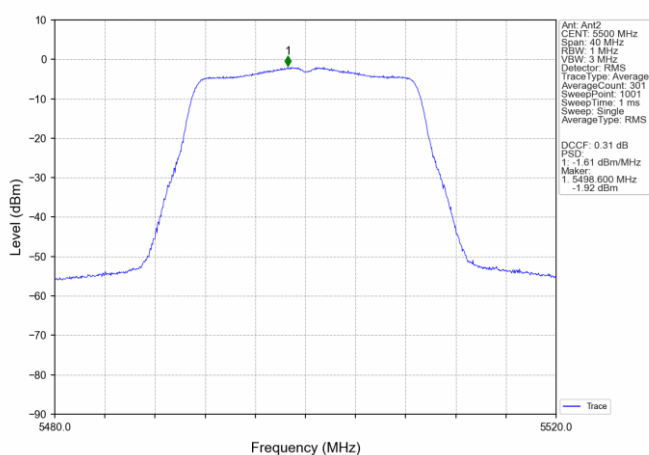




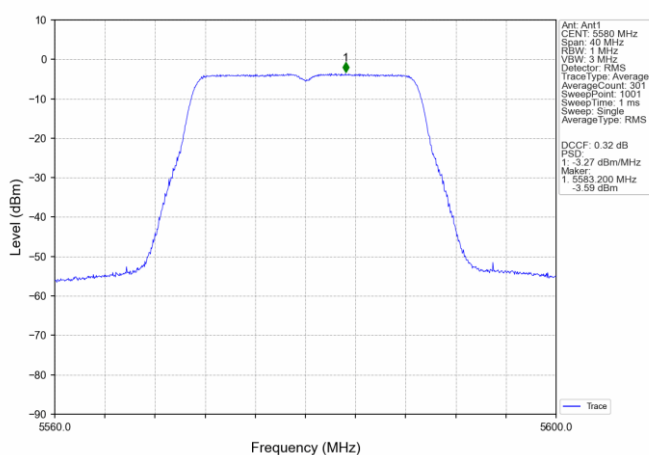
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



802.11n(HT20)_LCH_5500MHz_Ant2_NTNV

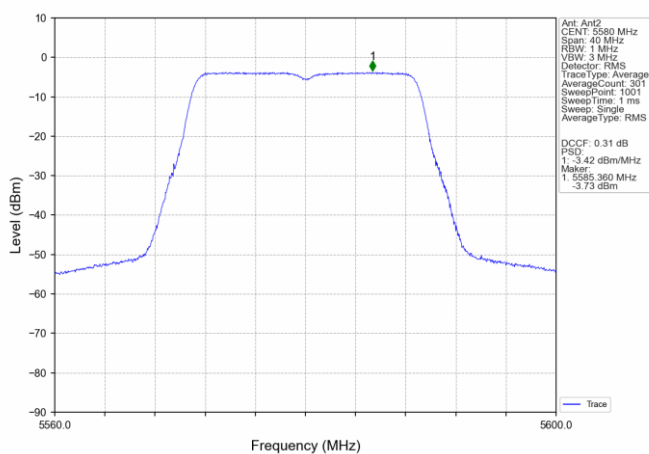


802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

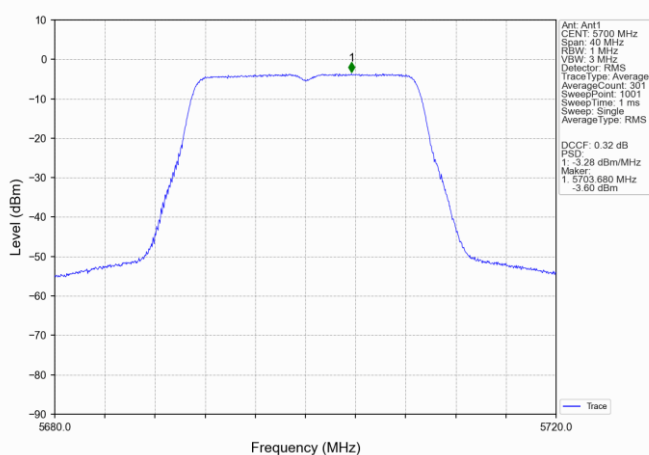




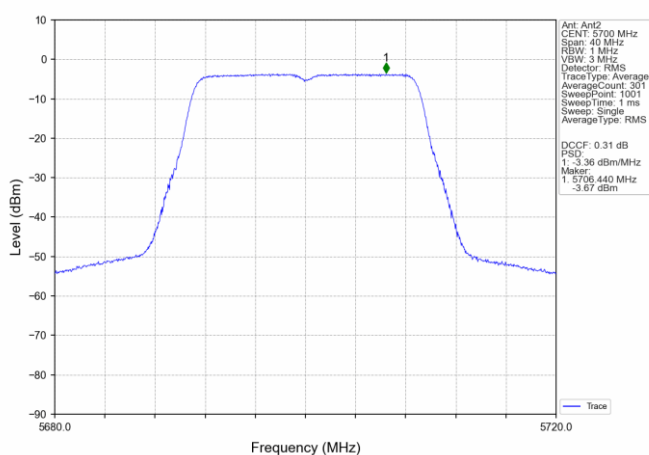
802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

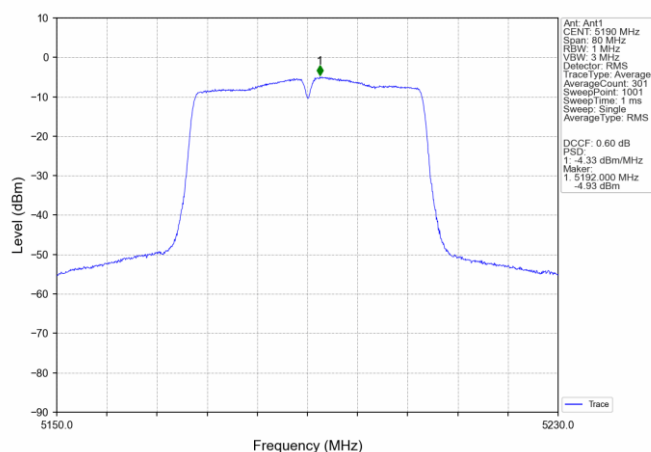


802.11n(HT20)_HCH_5700MHz_Ant2_NTNV

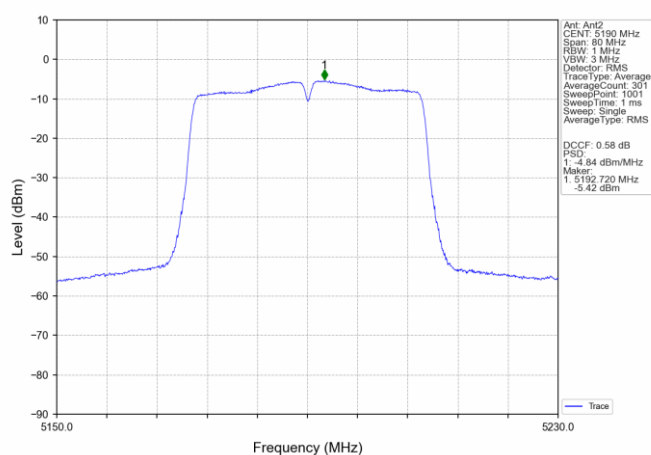




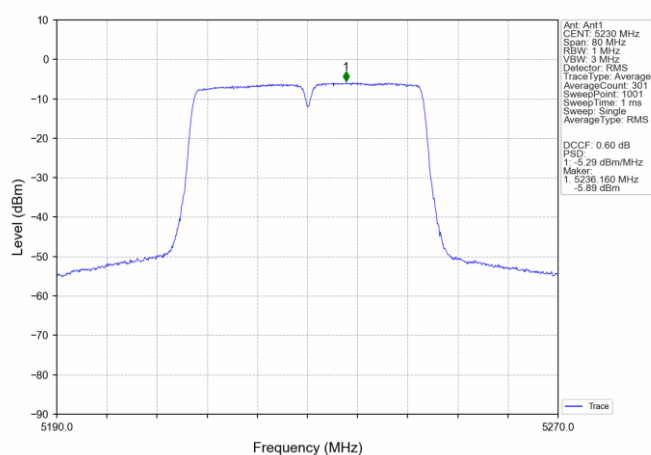
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant2_NTNV

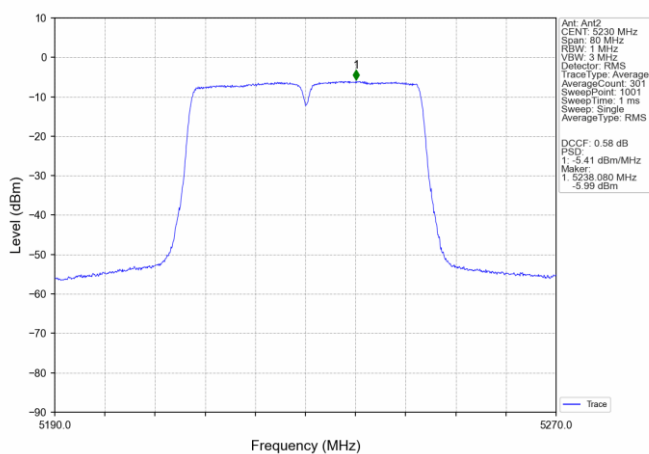


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

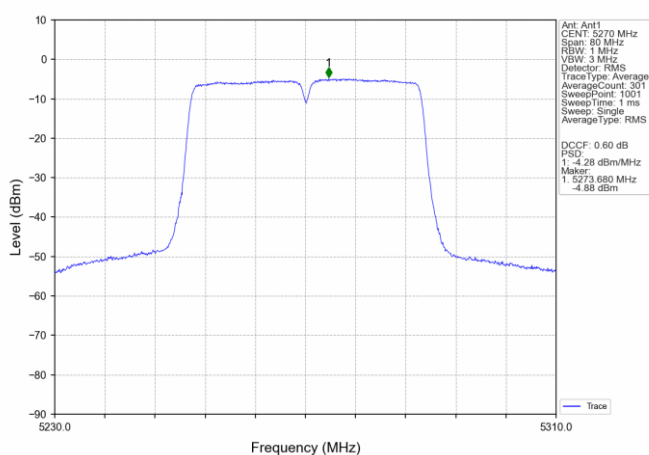




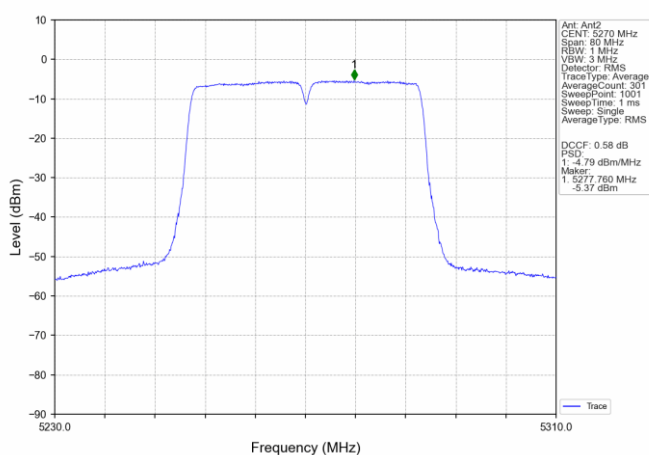
802.11n(HT40)_HCH_5230MHz_Ant2_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

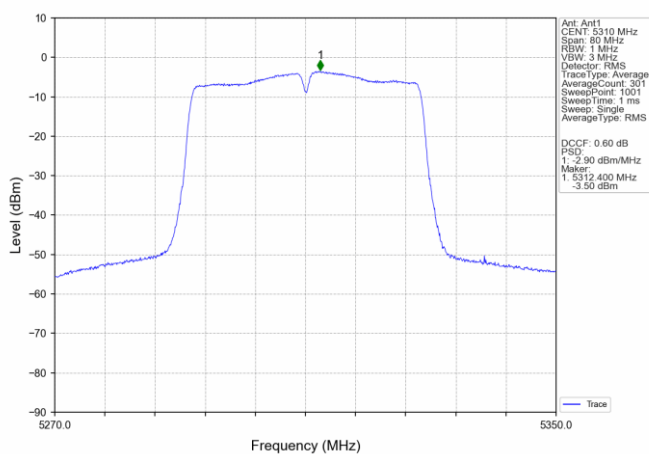


802.11n(HT40)_LCH_5270MHz_Ant2_NTNV

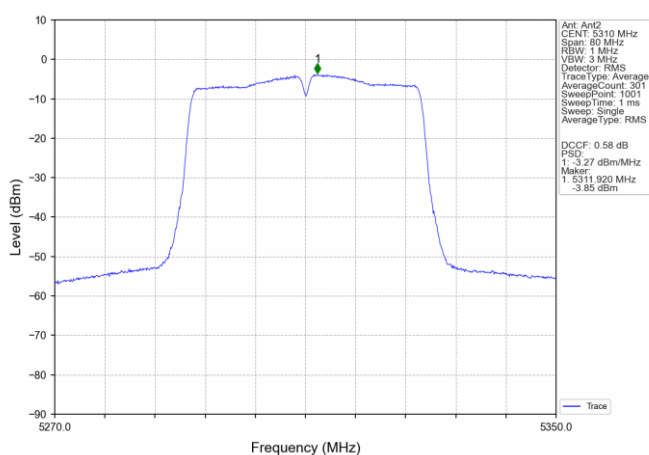




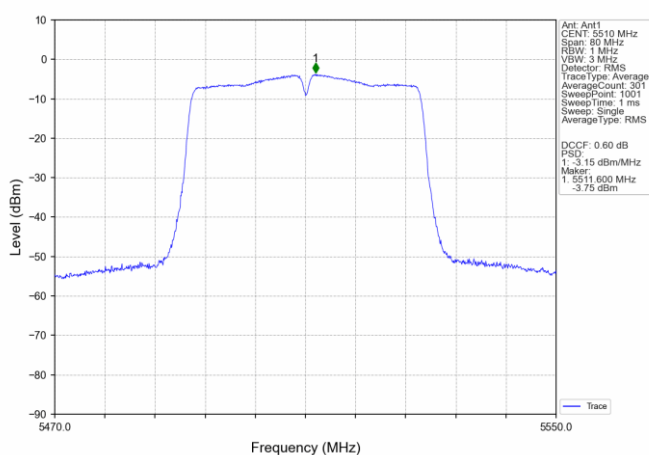
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant2_NTNV

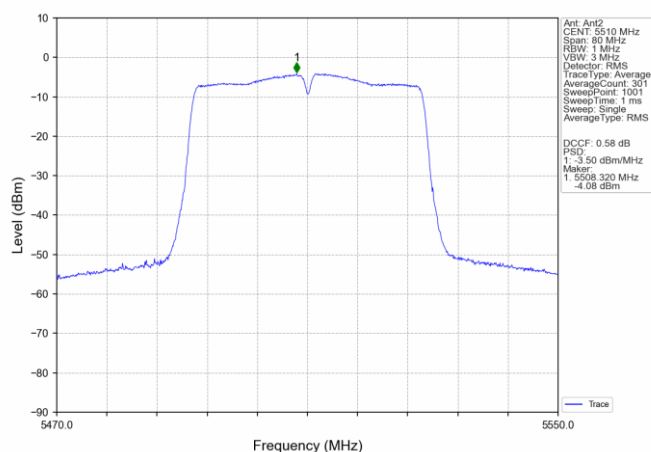


802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

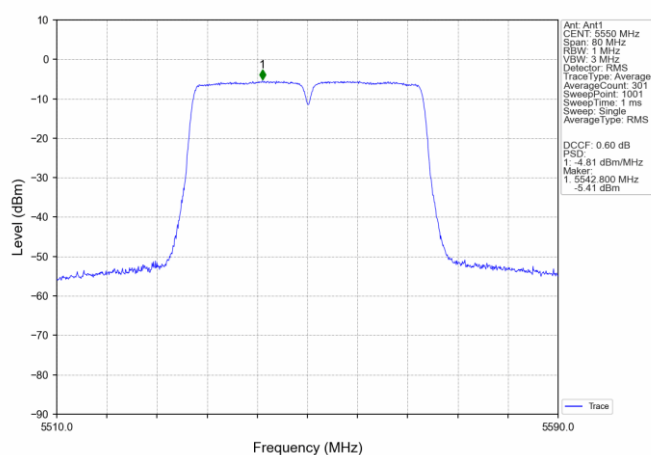




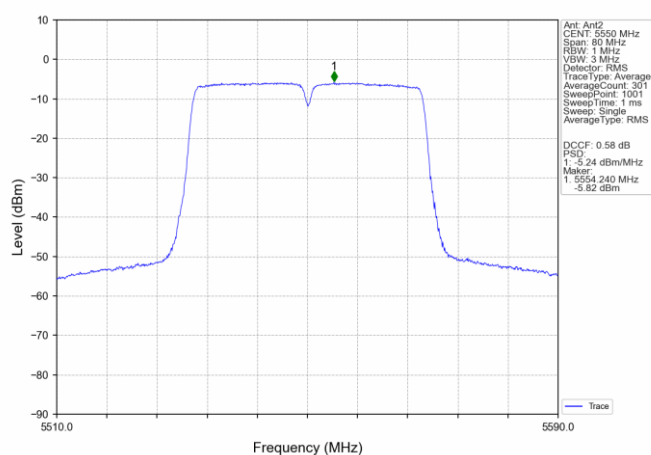
802.11n(HT40)_LCH_5510MHz_Ant2_NTNV



802.11n(HT40)_MCH_5550MHz_Ant1_NTNV

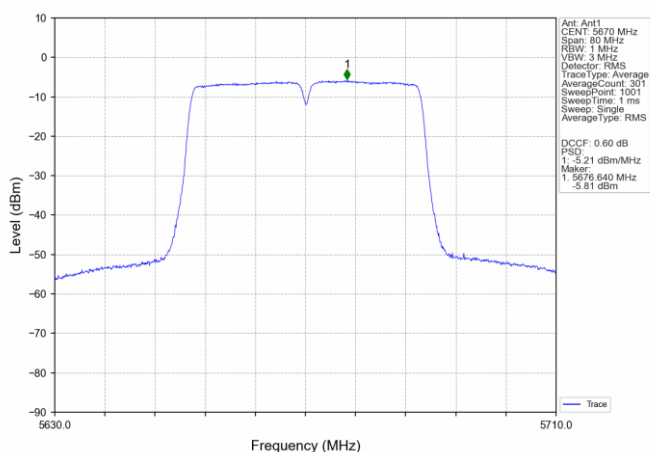


802.11n(HT40)_MCH_5550MHz_Ant2_NTNV

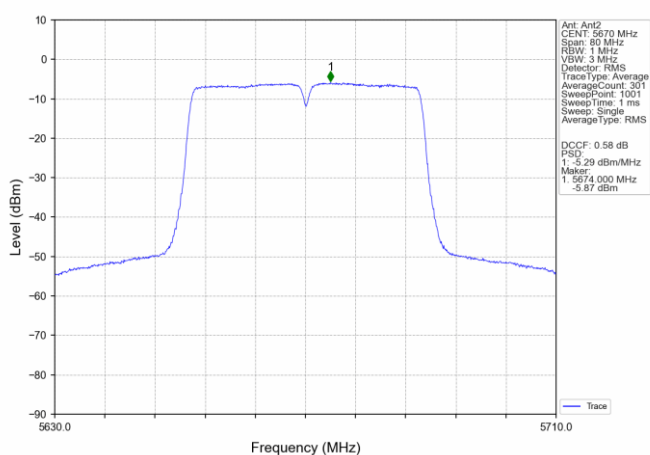




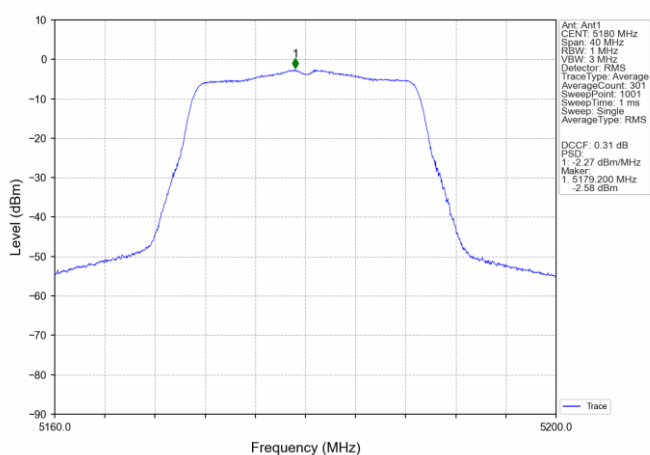
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



802.11n(HT40)_HCH_5670MHz_Ant2_NTNV

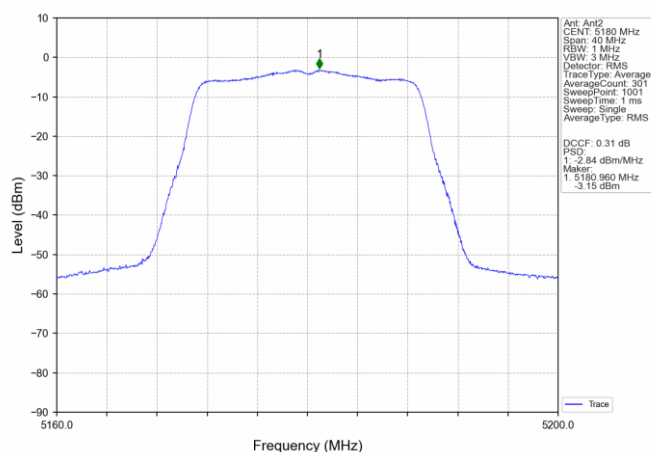


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV

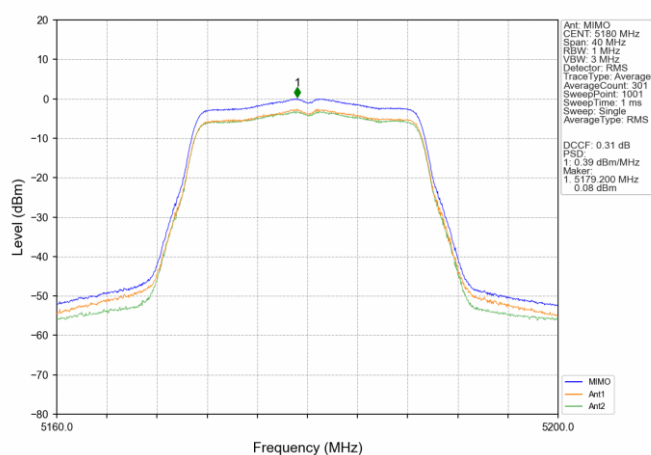




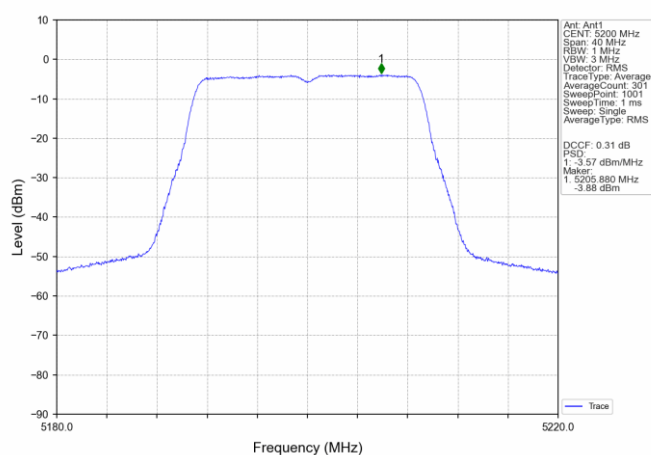
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



802.11n(HT20)_LCH_5180MHz_MIMO_NTNV

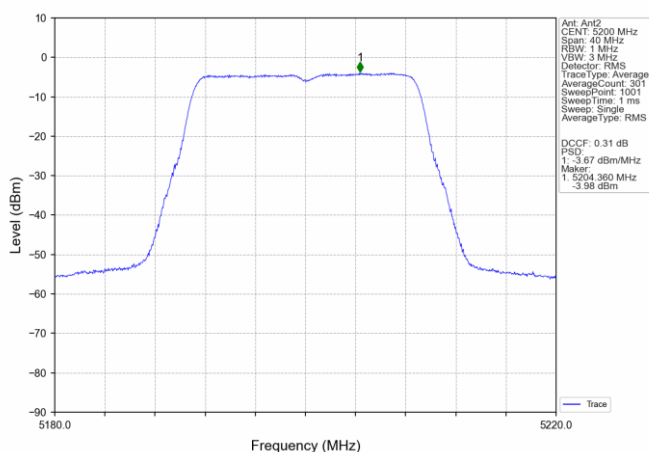


802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

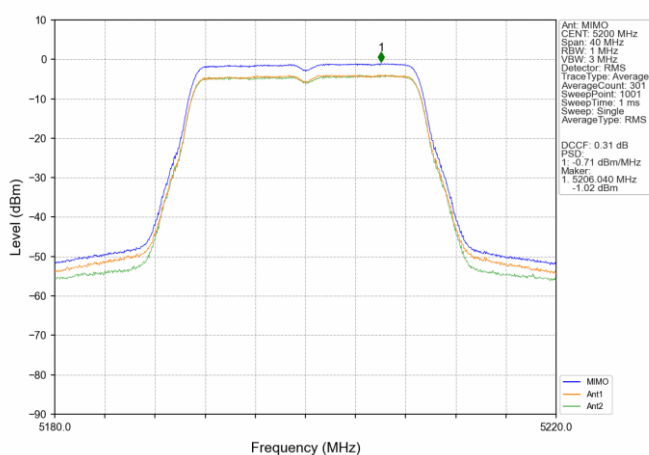




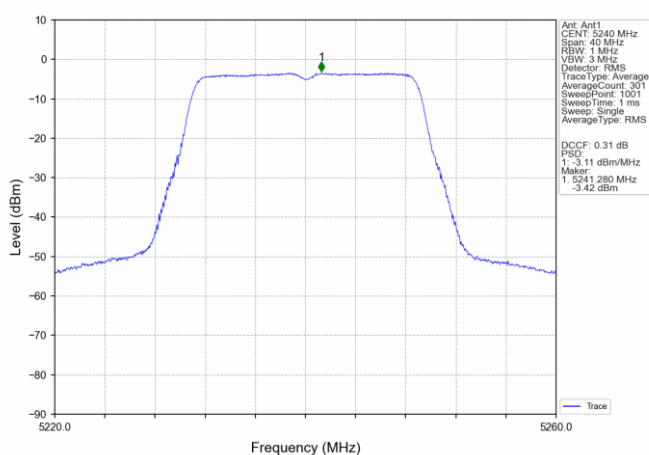
802.11n(HT20)_MCH_5200MHz_Ant2_NTNV



802.11n(HT20)_MCH_5200MHz_MIMO_NTNV

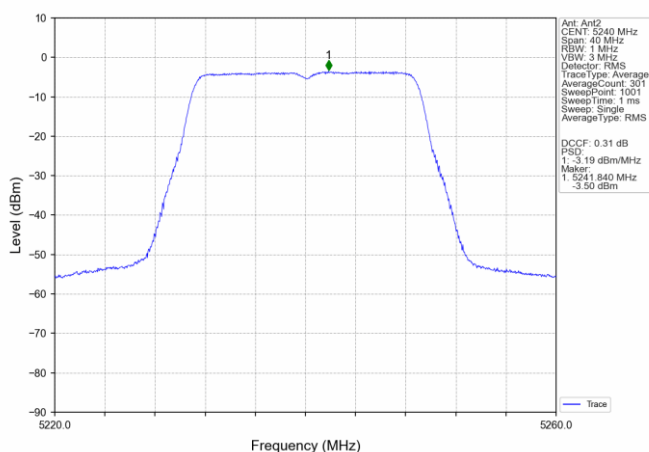


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

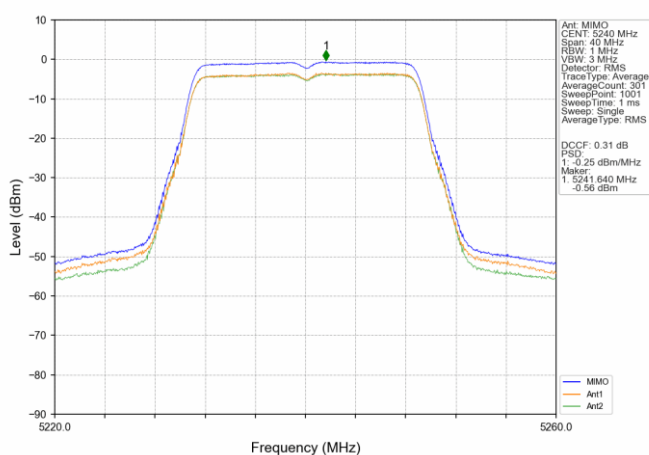




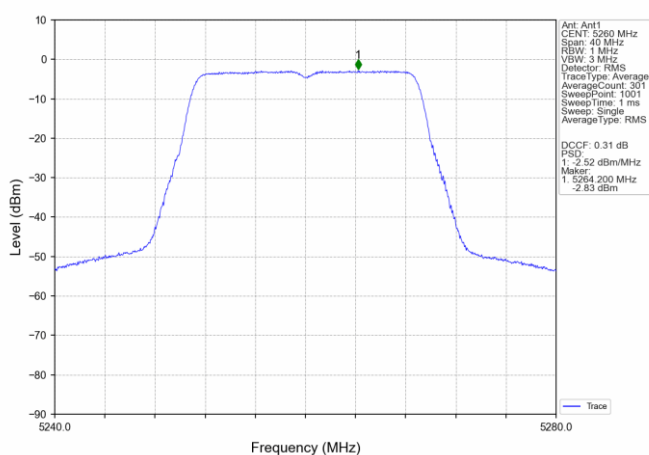
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



802.11n(HT20)_HCH_5240MHz_MIMO_NTNV

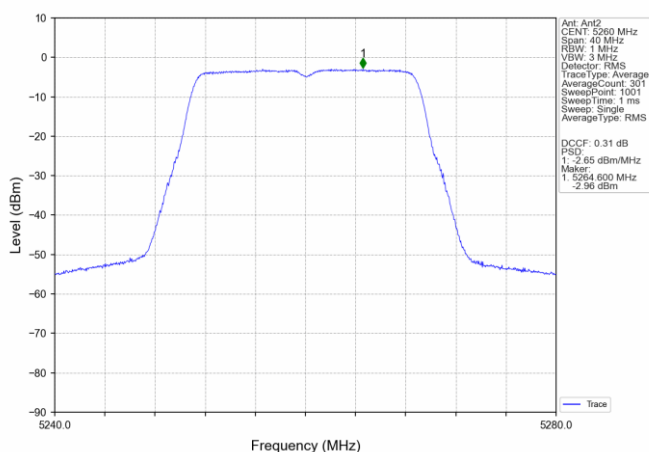


802.11n(HT20)_LCH_5260MHz_Ant1_NTNV

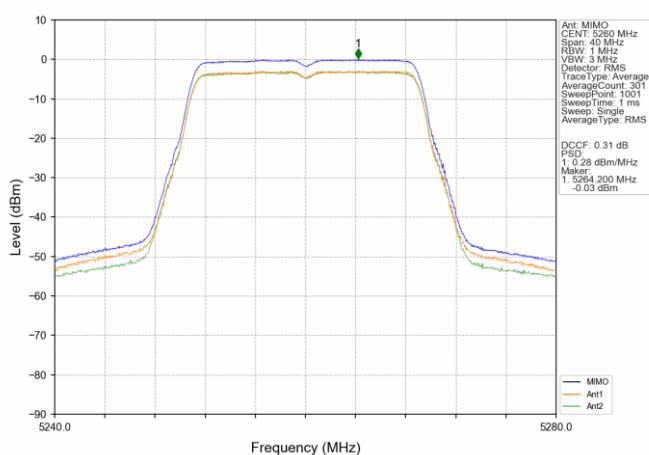




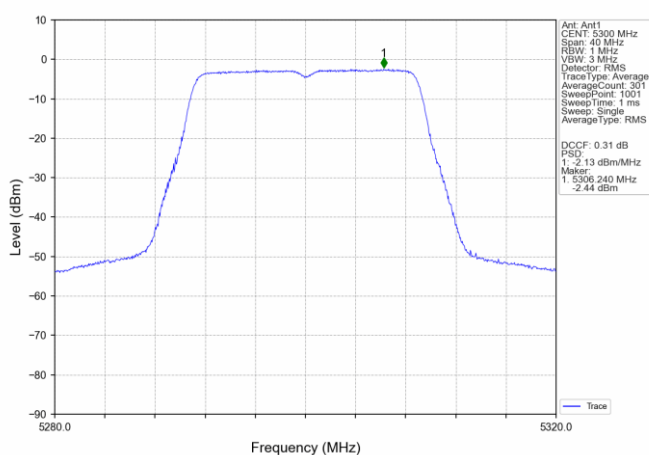
802.11n(HT20)_LCH_5260MHz_Ant2_NTNV



802.11n(HT20)_LCH_5260MHz_MIMO_NTNV

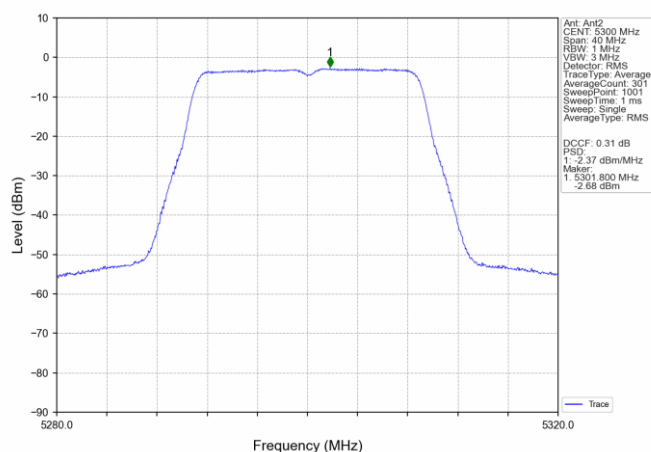


802.11n(HT20)_MCH_5300MHz_Ant1_NTNV

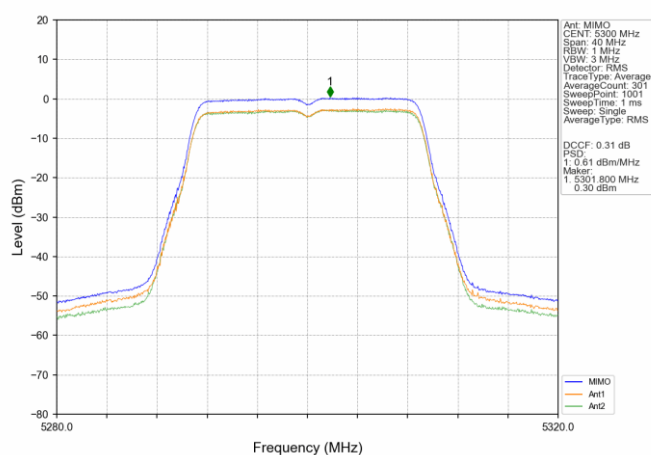




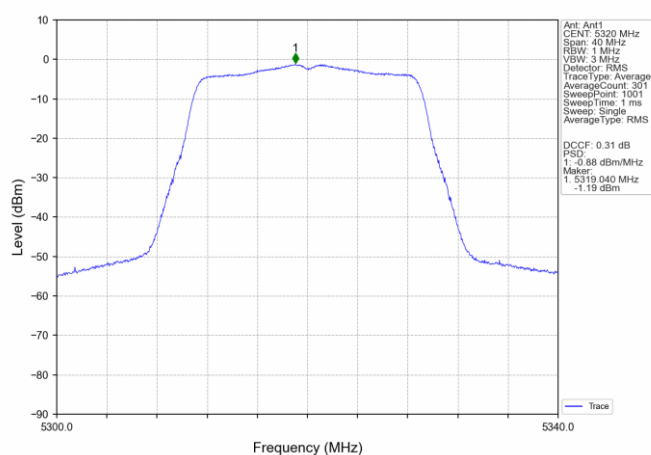
802.11n(HT20)_MCH_5300MHz_Ant2_NTNV



802.11n(HT20)_MCH_5300MHz_MIMO_NTNV

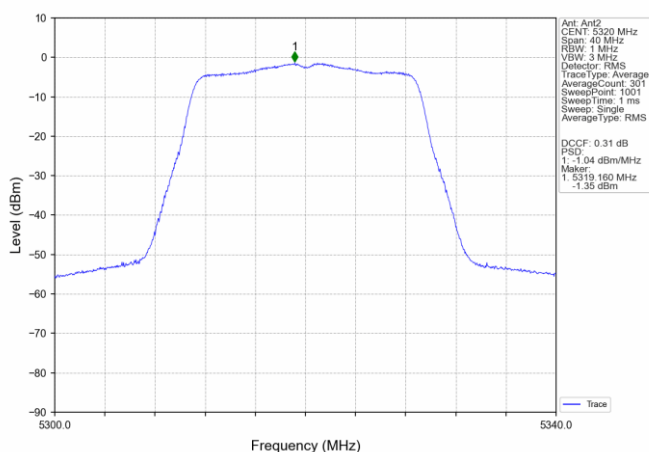


802.11n(HT20)_HCH_5320MHz_Ant1_NTNV

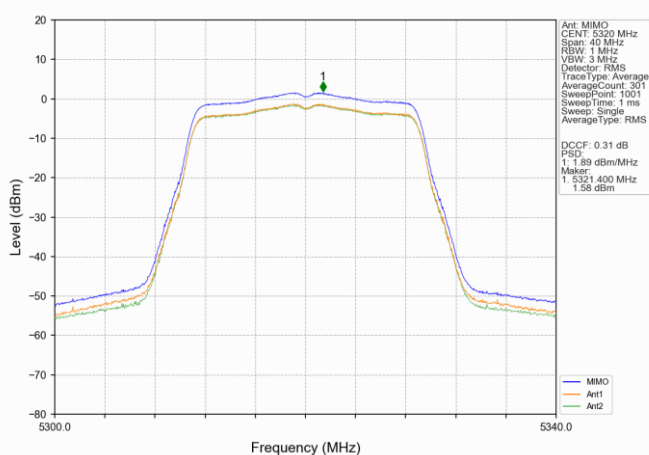




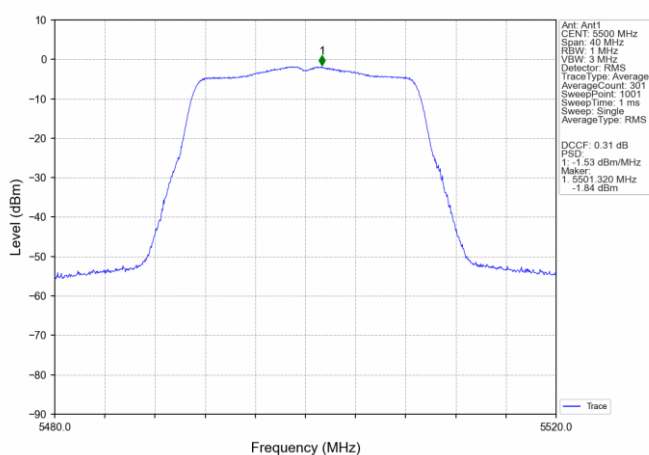
802.11n(HT20)_HCH_5320MHz_Ant2_NTNV



802.11n(HT20)_HCH_5320MHz_MIMO_NTNV

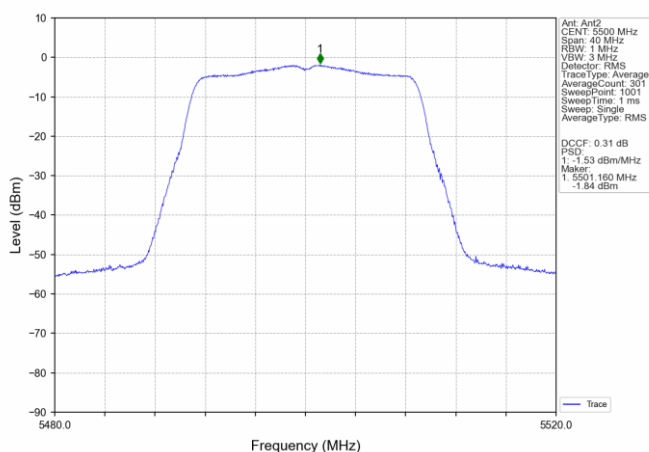


802.11n(HT20)_LCH_5500MHz_Ant1_NTNV

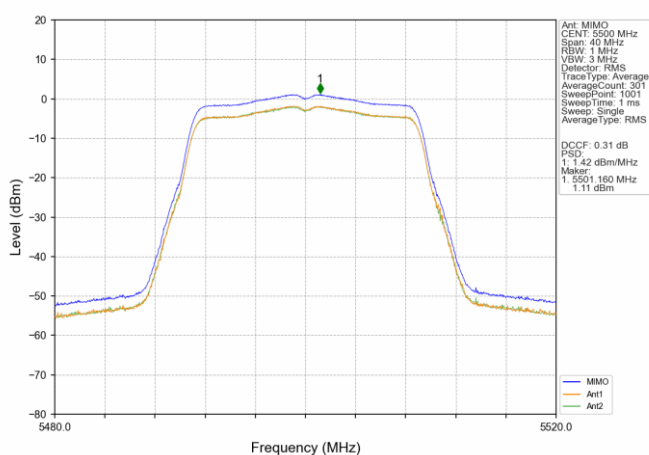




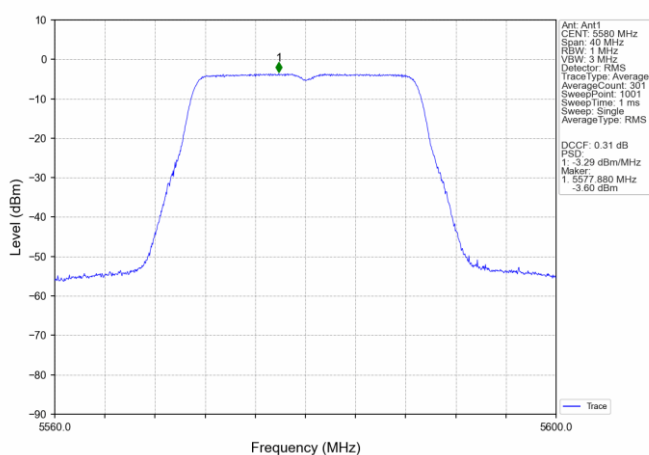
802.11n(HT20)_LCH_5500MHz_Ant2_NTNV



802.11n(HT20)_LCH_5500MHz_MIMO_NTNV

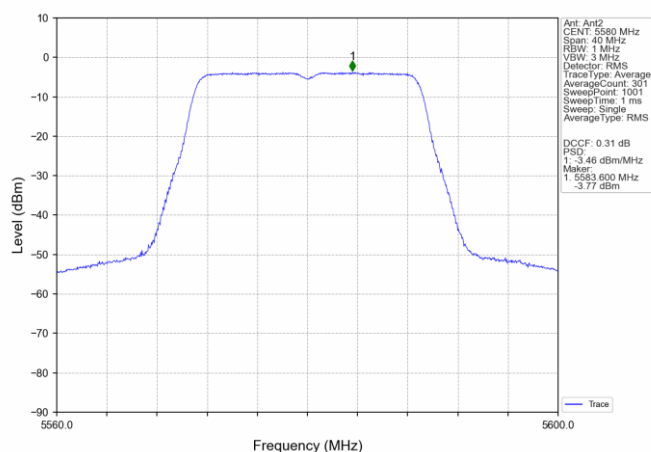


802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

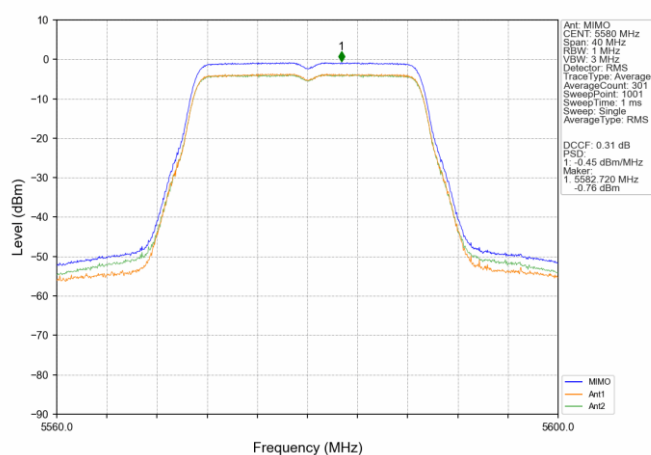




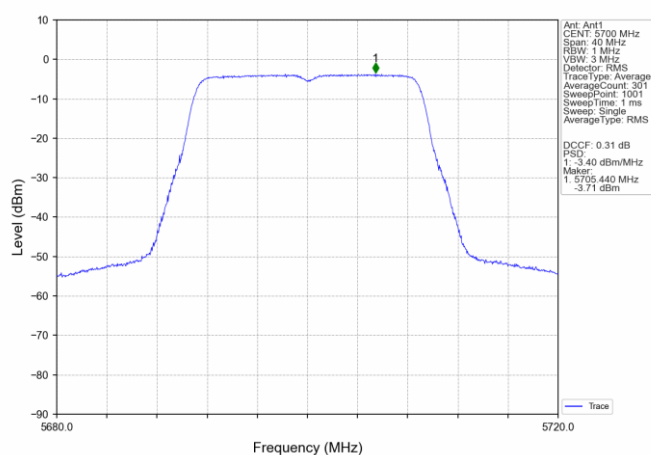
802.11n(HT20)_MCH_5580MHz_Ant2_NTNV



802.11n(HT20)_MCH_5580MHz_MIMO_NTNV

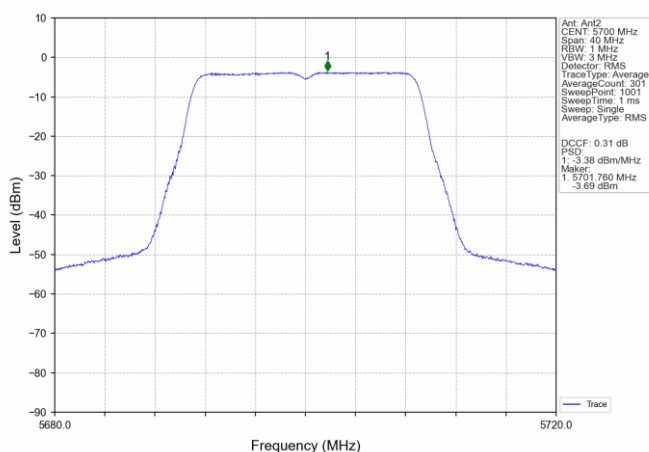


802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

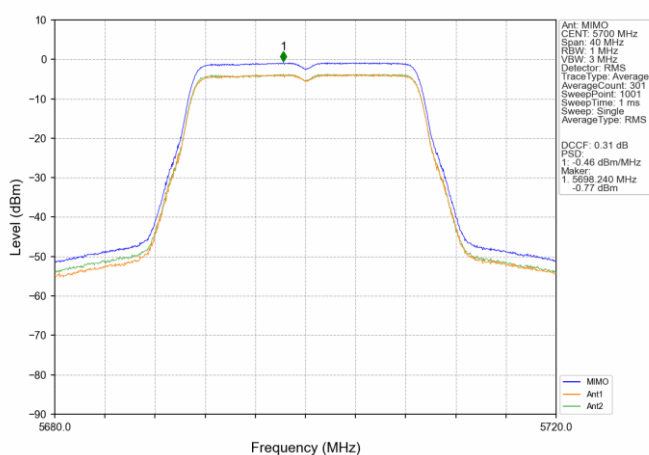




802.11n(HT20)_HCH_5700MHz_Ant2_NTNV



802.11n(HT20)_HCH_5700MHz_MIMO_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

