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	5260	1	17.136	/	Pass
		5300	1	17.177	/	Pass
		5320	1	17.197	/	Pass
802.11n (HT20)	SISO	5260	1	17.888	/	Pass
		5300	1	17.959	/	Pass
		5320	1	18.061	/	Pass
802.11n (HT40)	SISO	5270	1	36.475	/	Pass
		5310	1	36.539	/	Pass

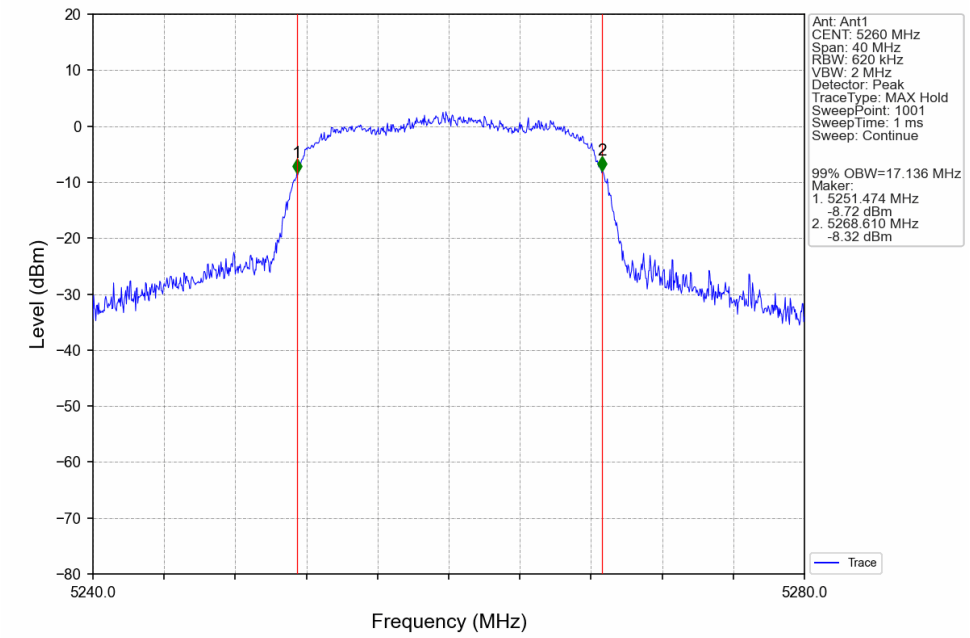
1.1.2 26dB BW

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5260	1	19.374	/	Pass
		5300	1	19.828	/	Pass
		5320	1	19.831	/	Pass
802.11n (HT20)	SISO	5260	1	19.381	/	Pass
		5300	1	22.600	/	Pass
		5320	1	22.319	/	Pass
802.11n (HT40)	SISO	5270	1	40.594	/	Pass
		5310	1	44.846	/	Pass

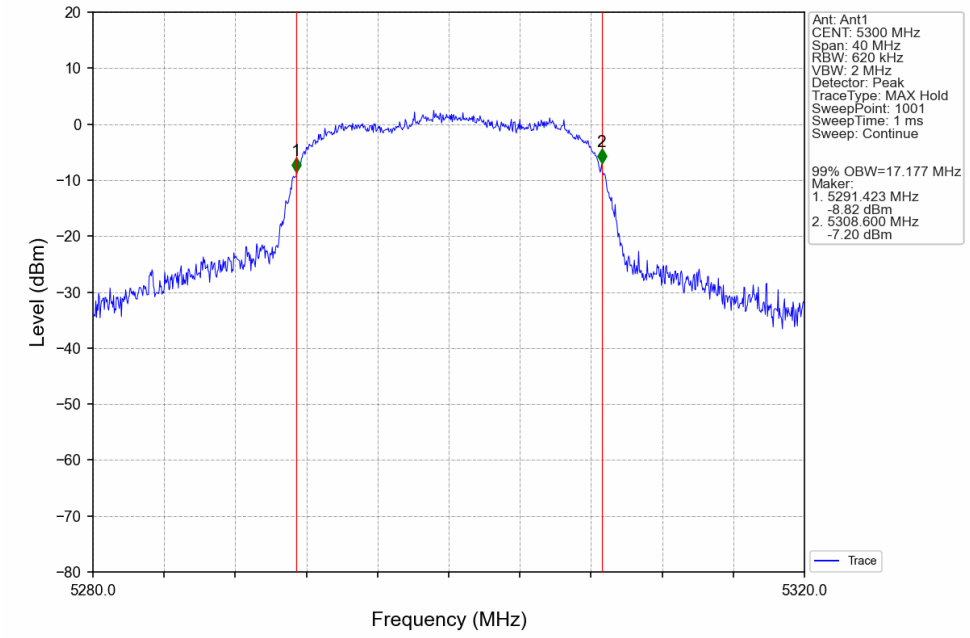
1.2 Test Graph

1.2.1 OBW

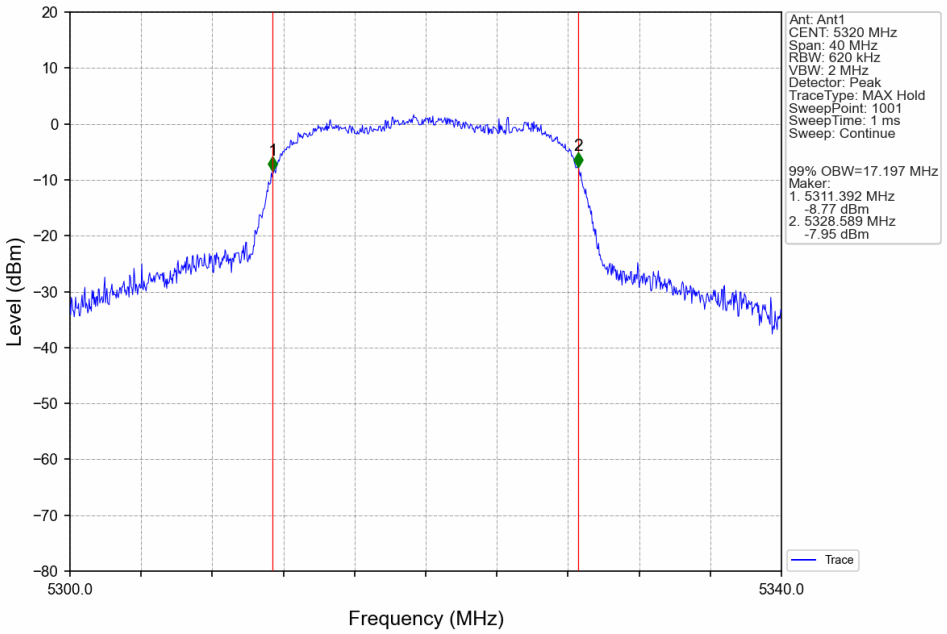
802.11a_LCH_5260MHz_Ant1_NTNV



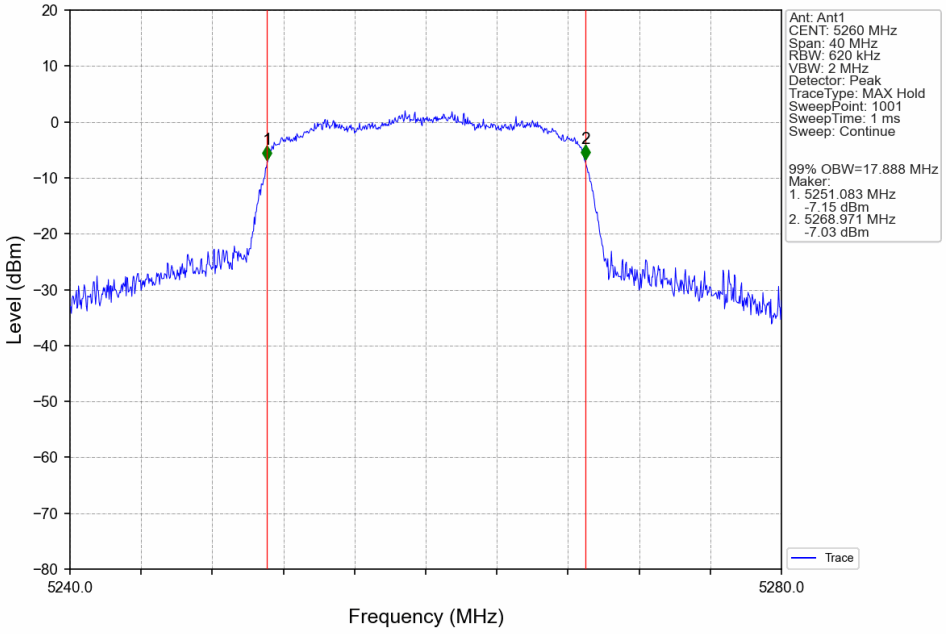
802.11a_MCH_5300MHz_Ant1_NTNV



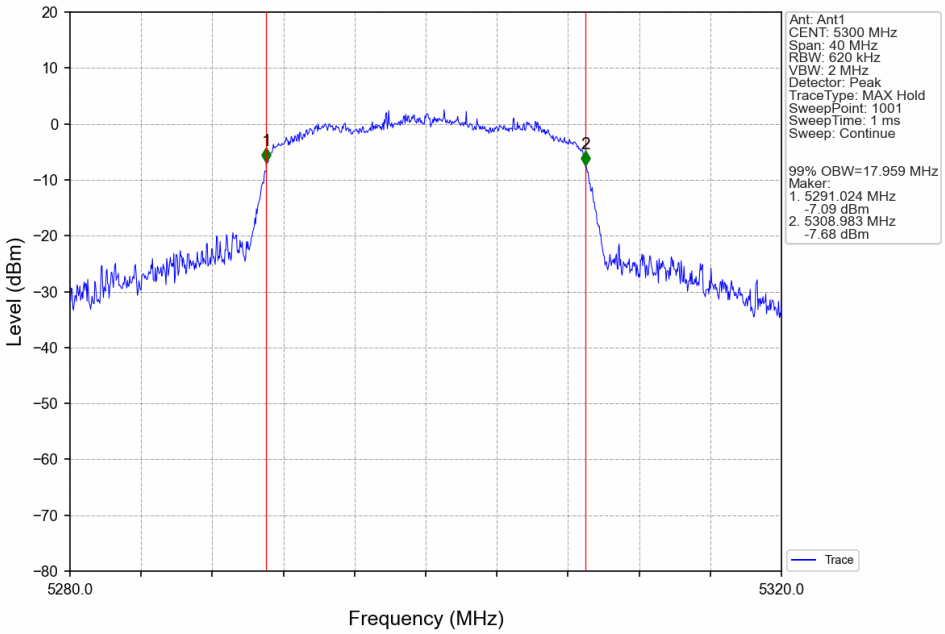
802.11a_HCH_5320MHz_Ant1_NTNV



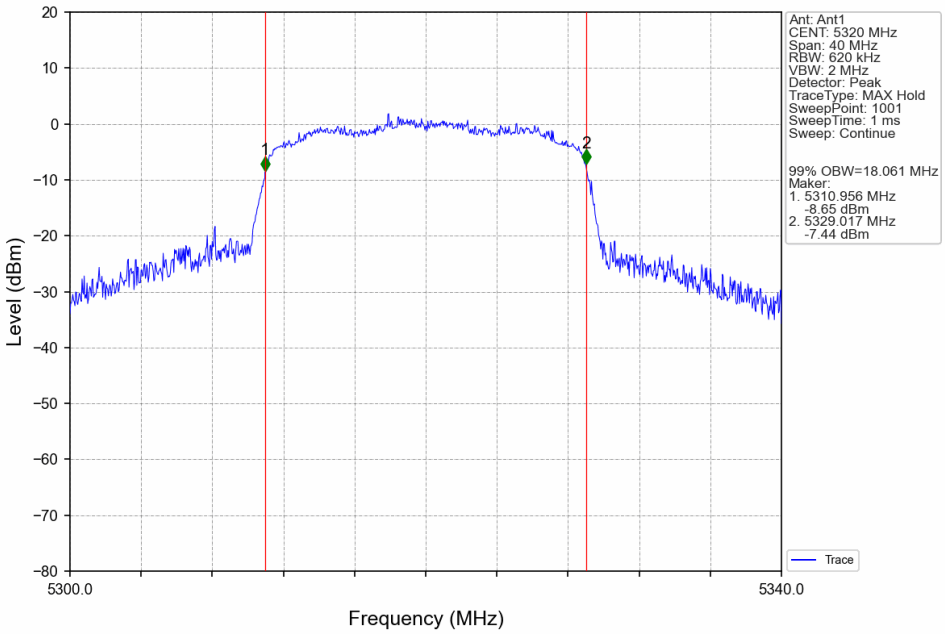
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



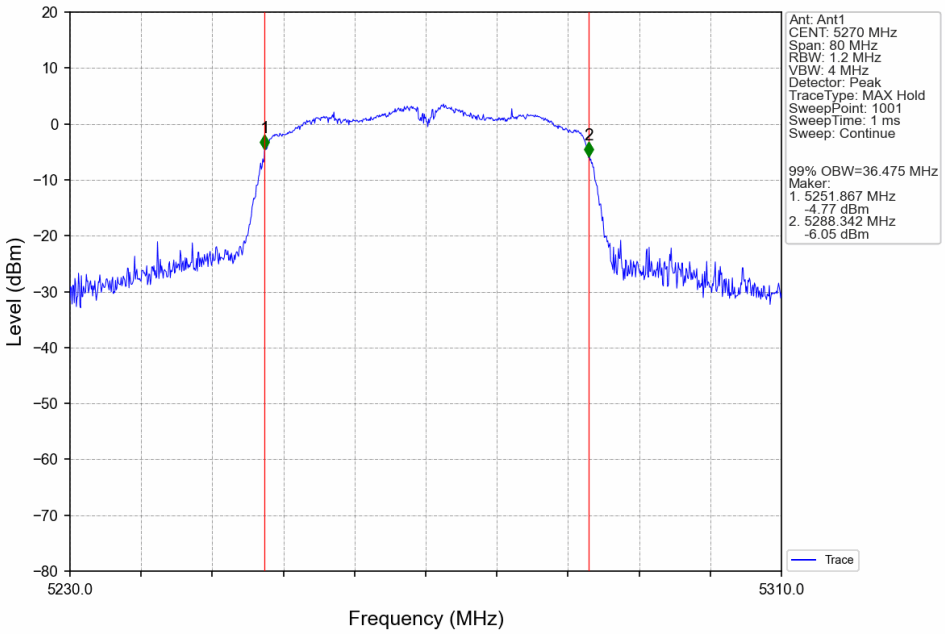
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



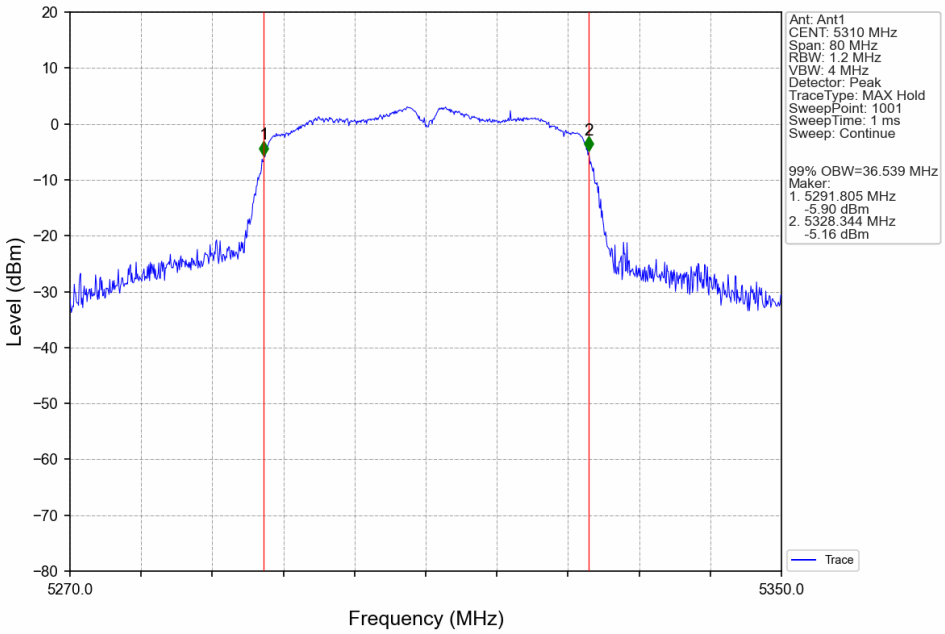
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV

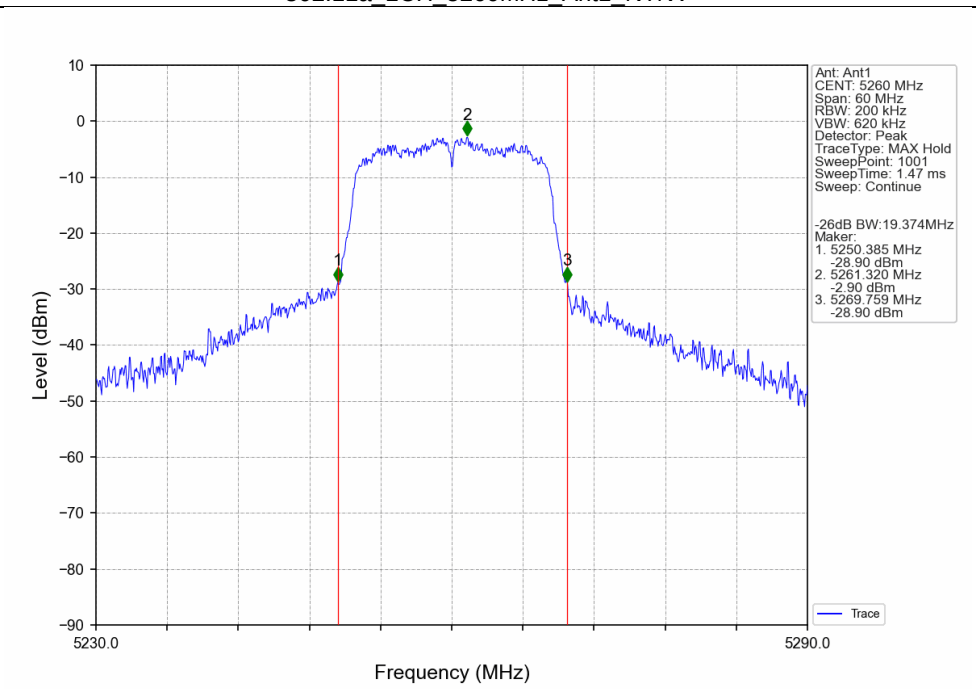


802.11n(HT40)_HCH_5310MHz_Ant1_NTNV

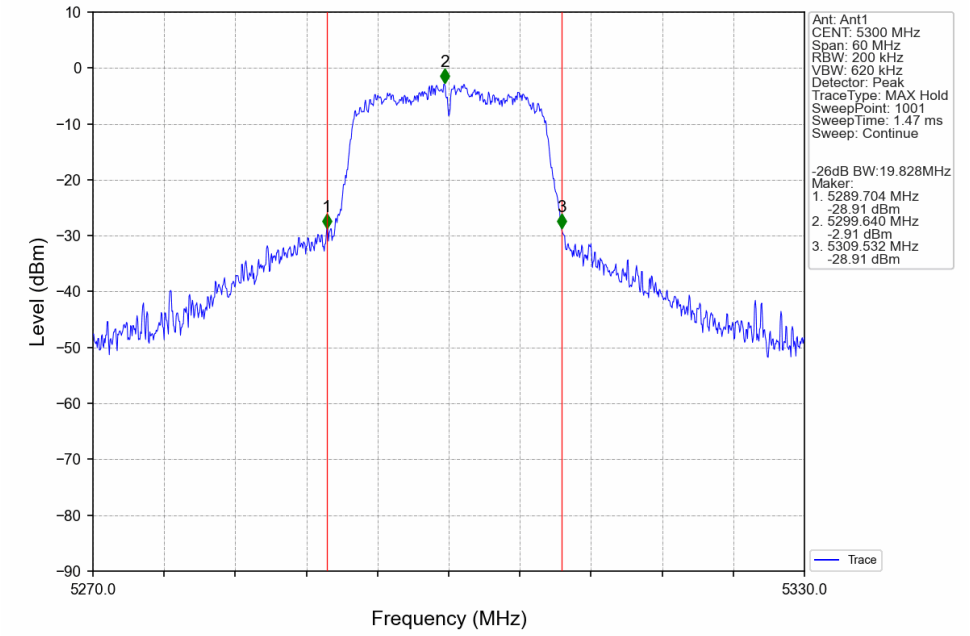


1.2.2 26dB BW

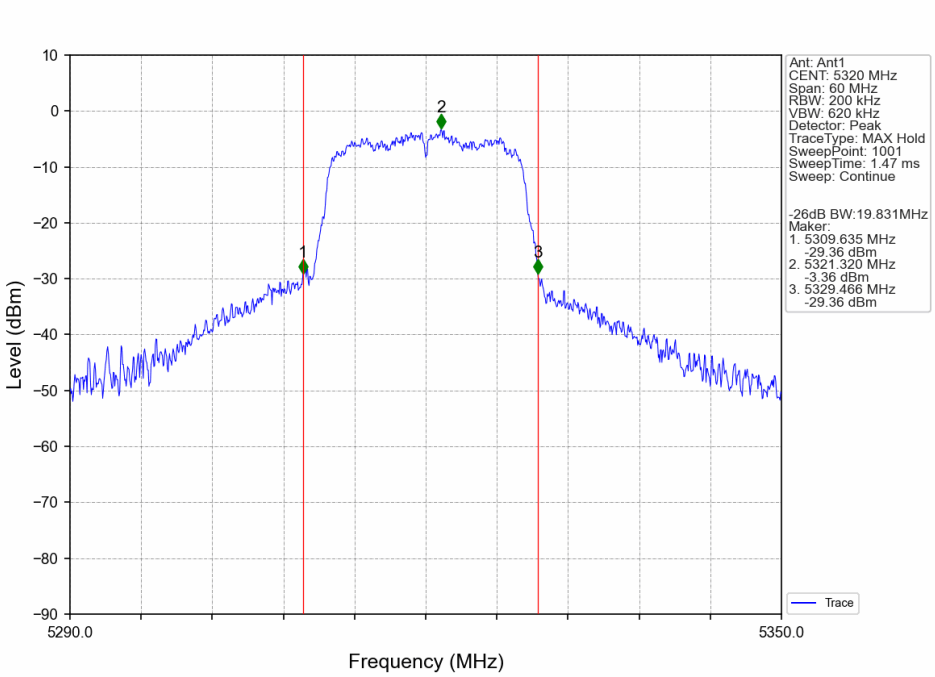
802.11a_LCH_5260MHz_Ant1_NTNV



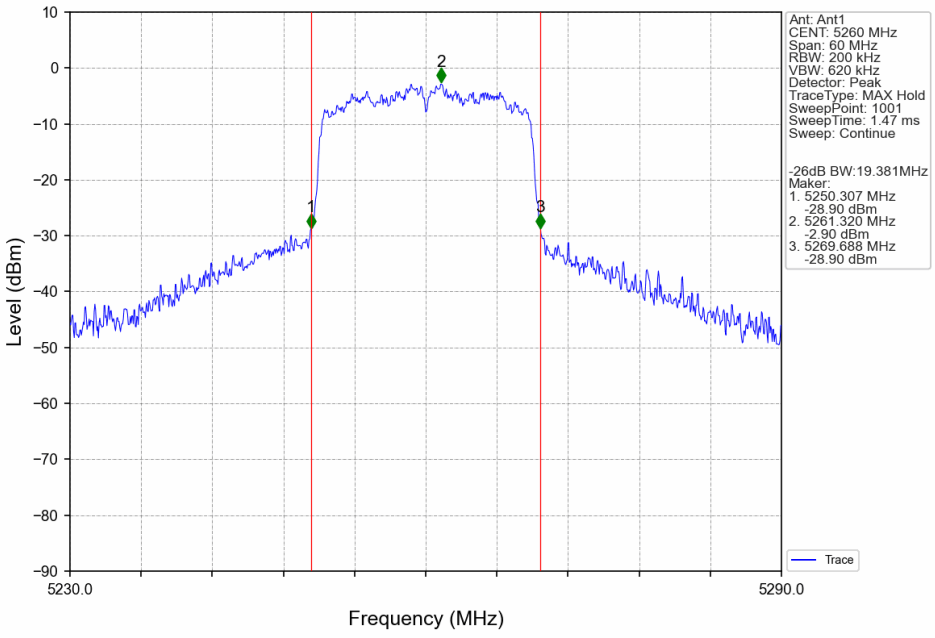
802.11a_MCH_5300MHz_Ant1_NTNV



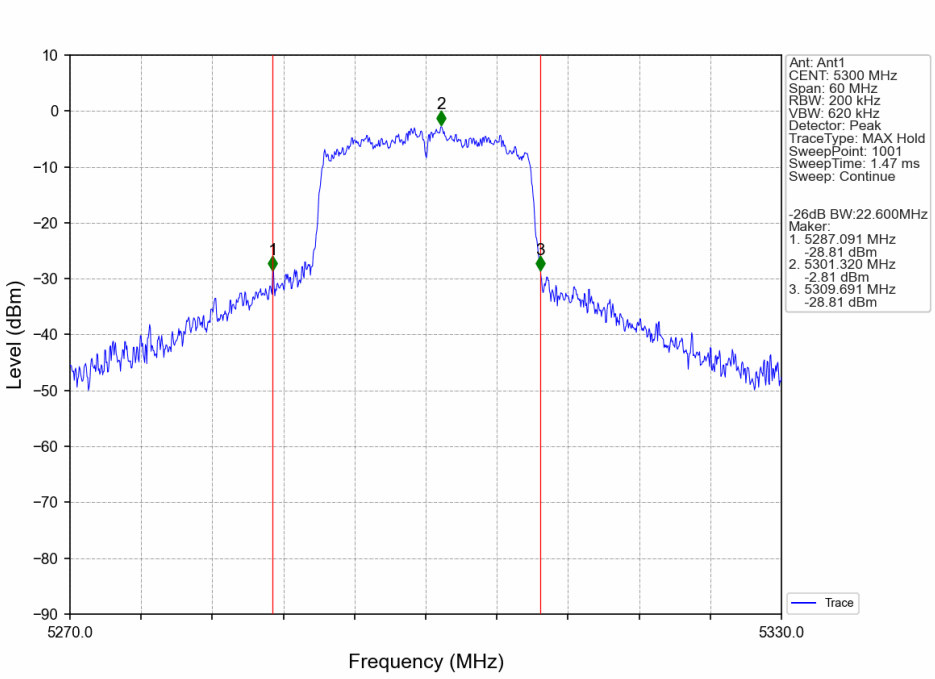
802.11a_HCH_5320MHz_Ant1_NTNV



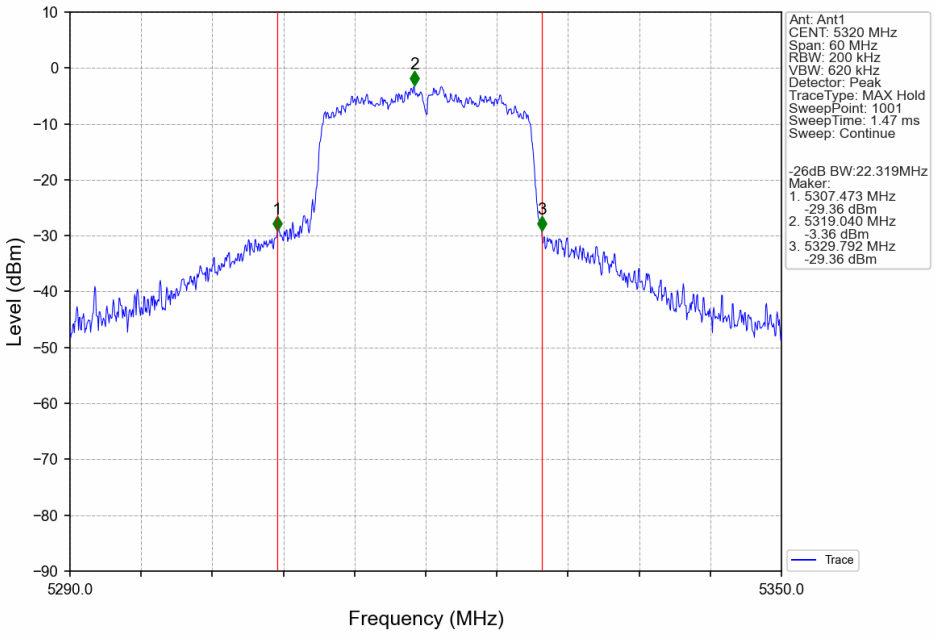
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



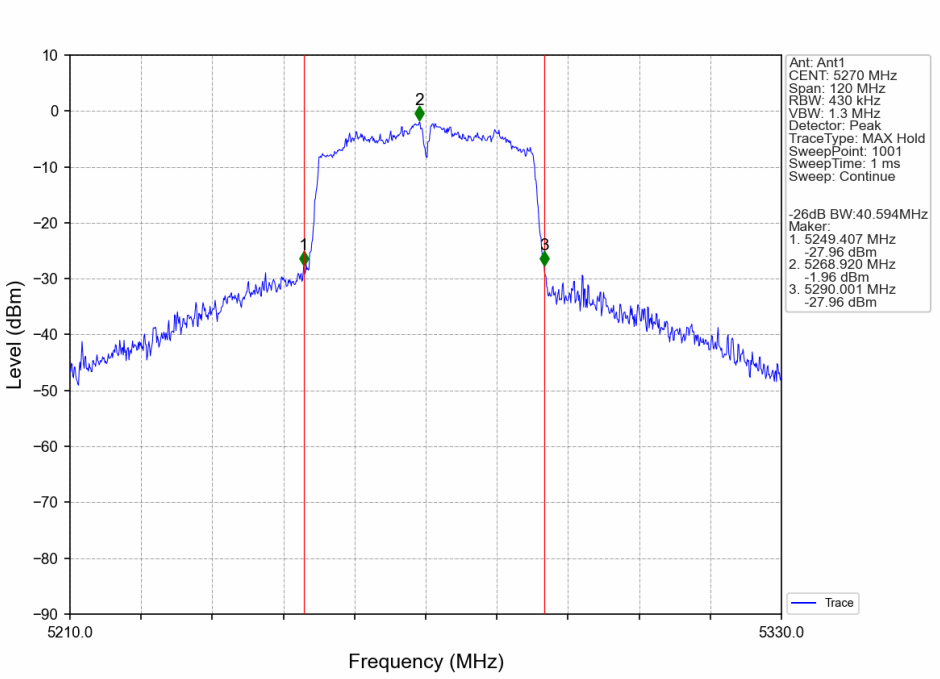
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



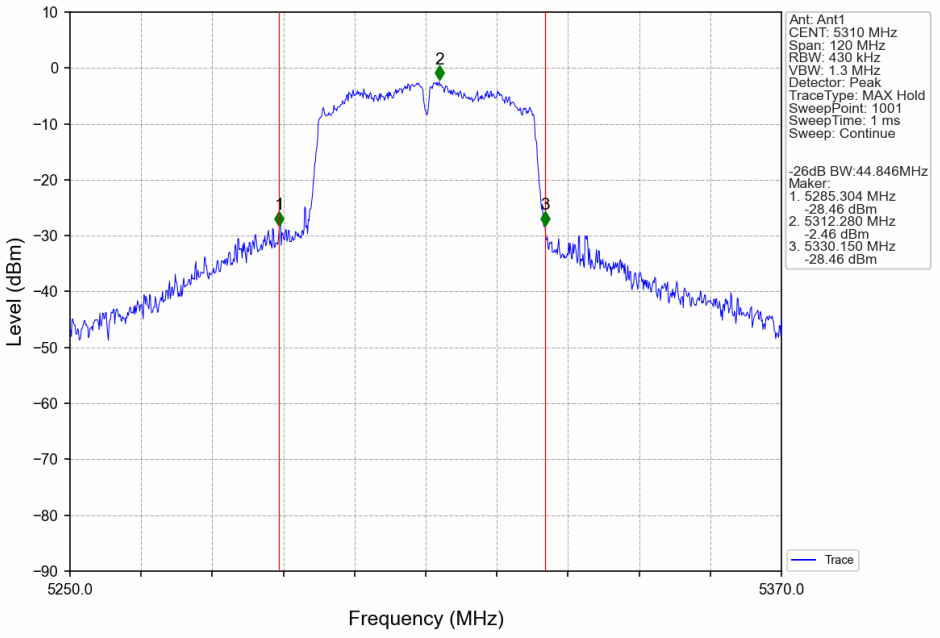
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



2. Maximum Conducted Output Power

2.1 Test Result

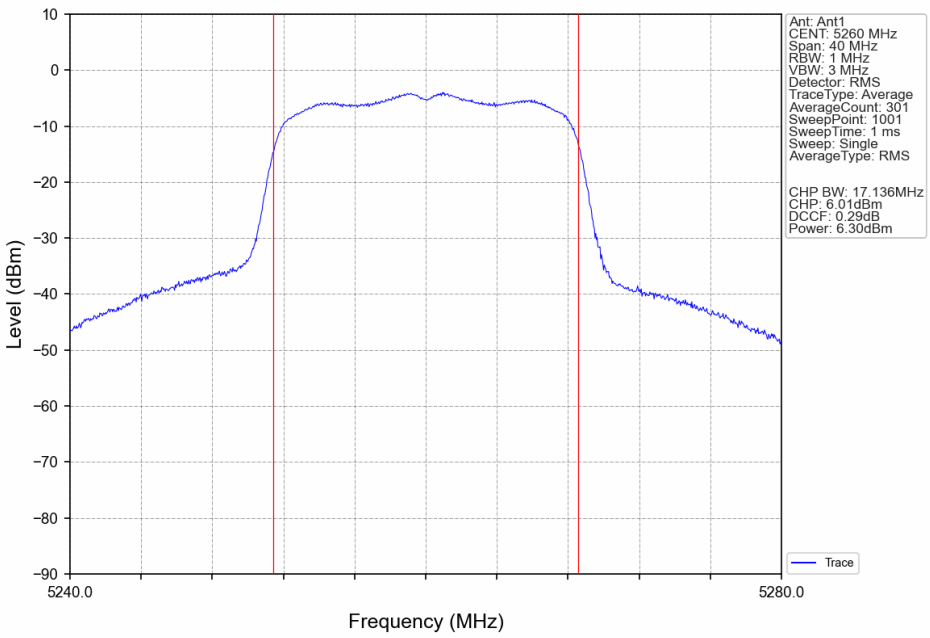
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	6.30	<=23.98	Pass
		5300	6.28	<=23.98	Pass
		5320	5.85	<=23.98	Pass
802.11n (HT20)	SISO	5260	6.25	<=23.98	Pass
		5300	6.23	<=23.98	Pass
		5320	5.73	<=23.98	Pass
802.11n (HT40)	SISO	5270	6.80	<=23.98	Pass
		5310	6.50	<=23.98	Pass
Note1: Antenna Gain: Ant1: 2.91dBi;					

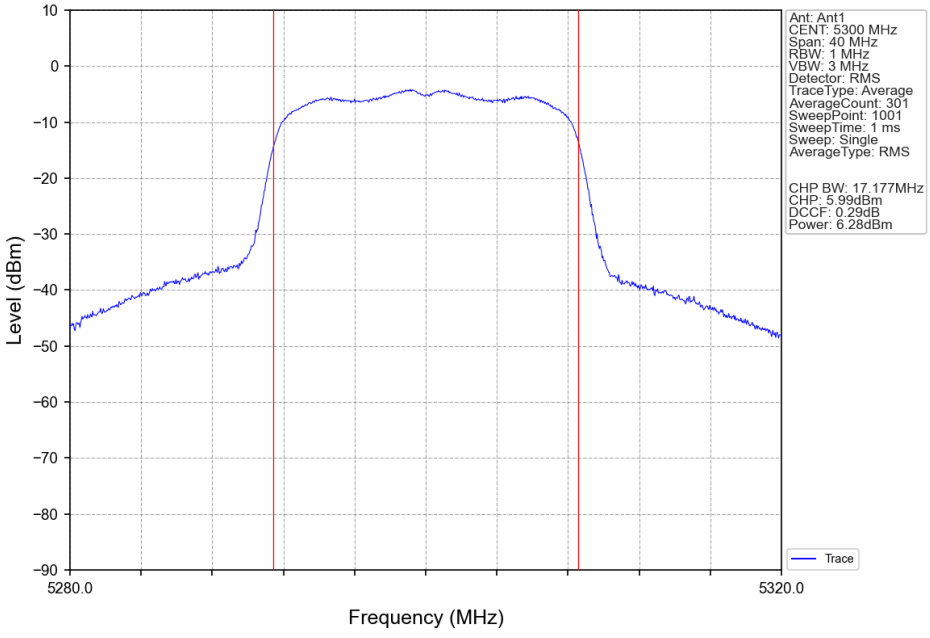
2.2 Test Graph

2.2.1 Power

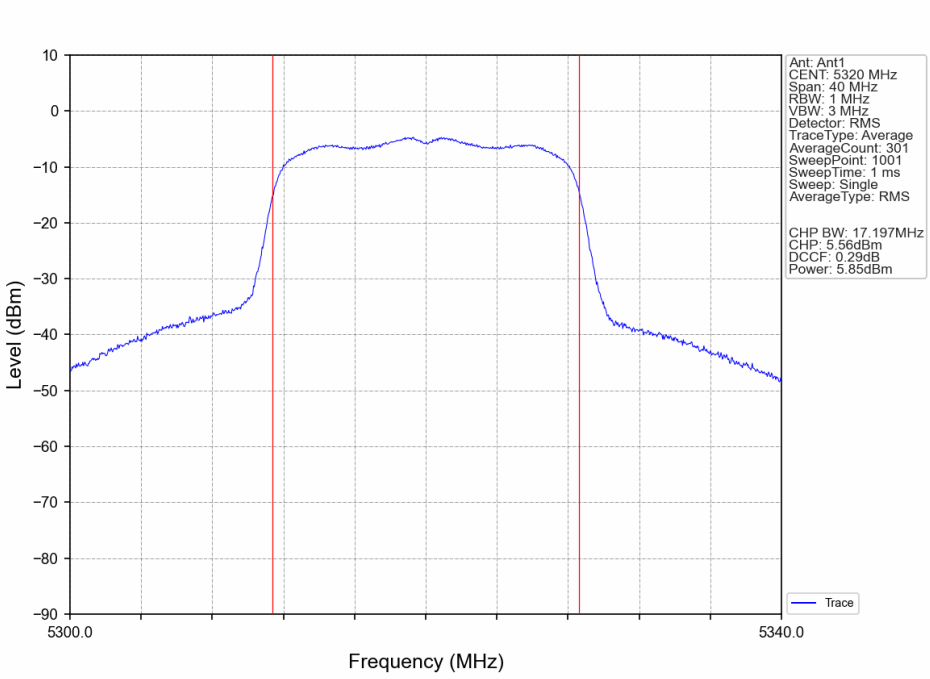
802.11a_LCH_5260MHz_Ant1_NTNV



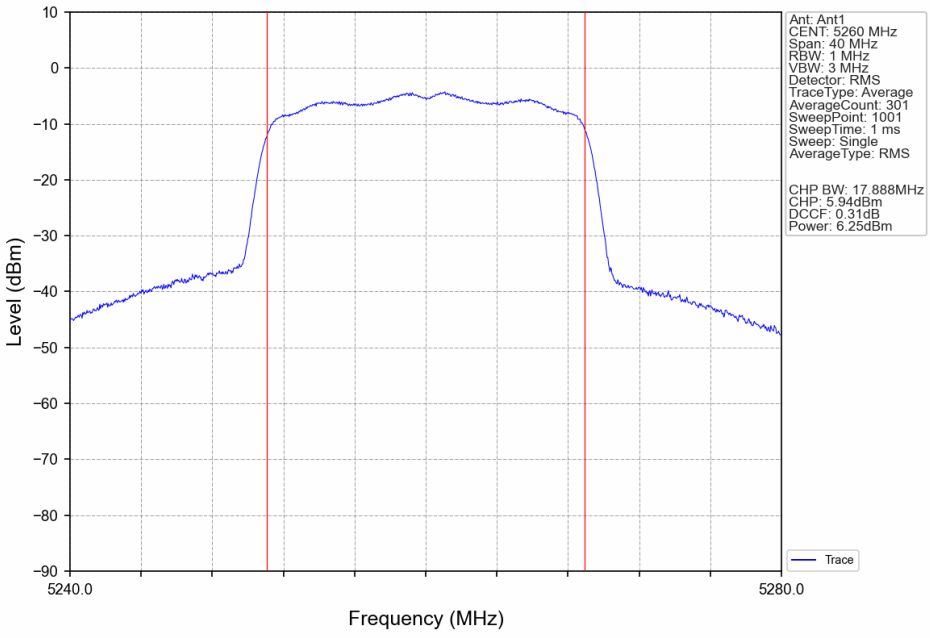
802.11a_MCH_5300MHz_Ant1_NTNV



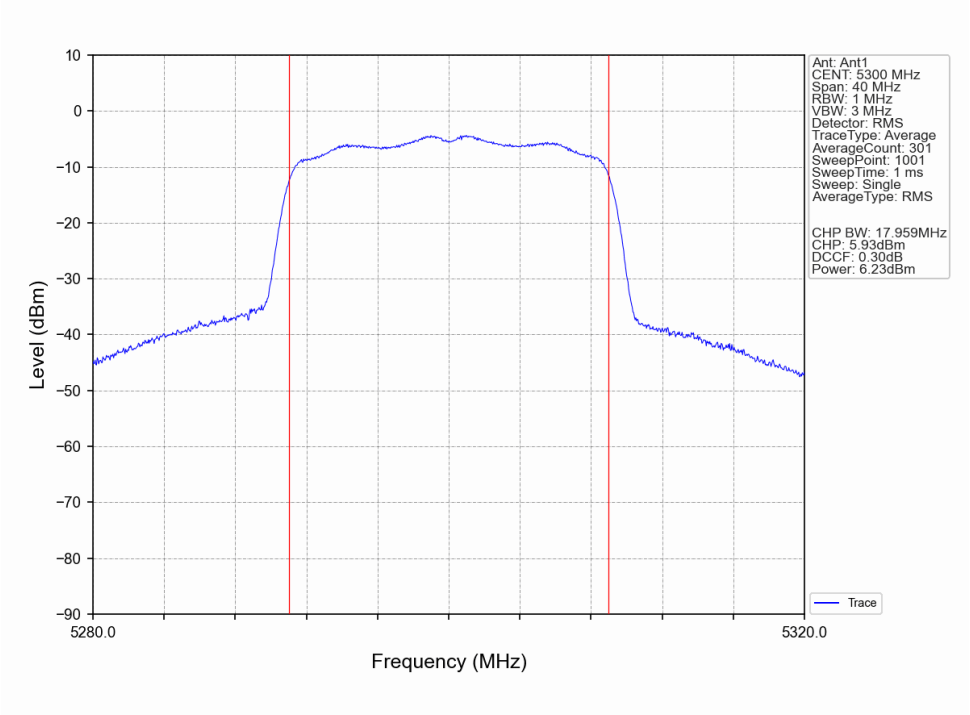
802.11a_HCH_5320MHz_Ant1_NTNV



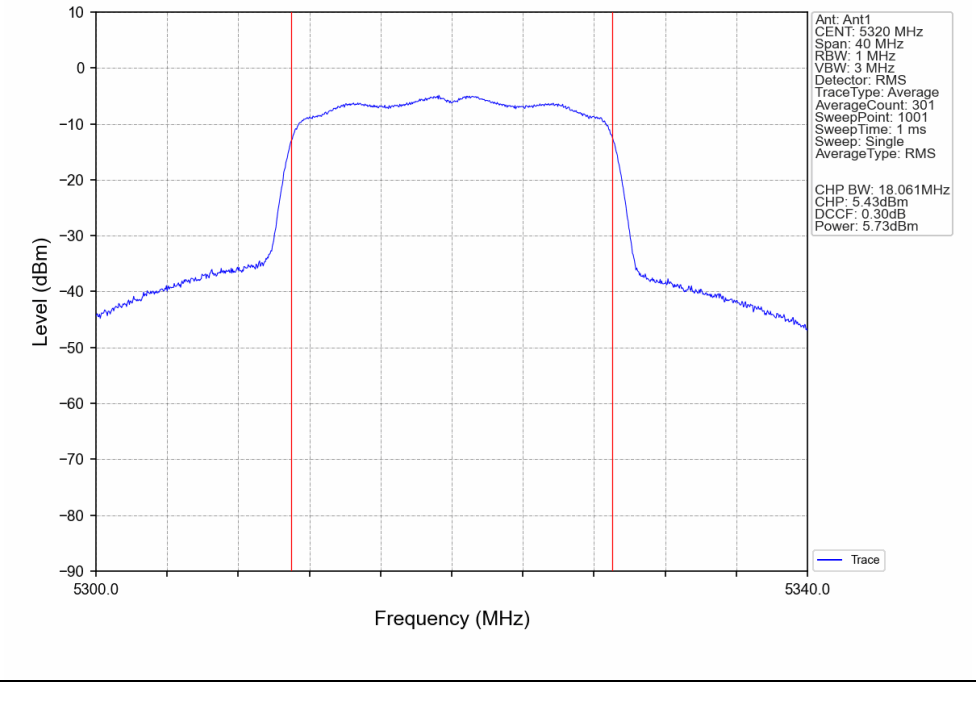
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



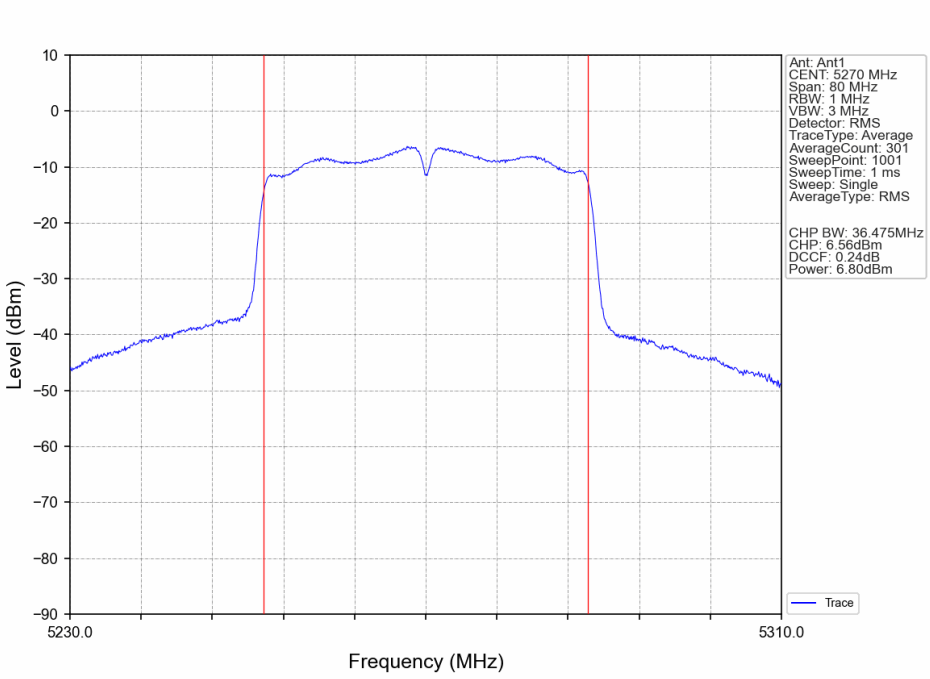
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



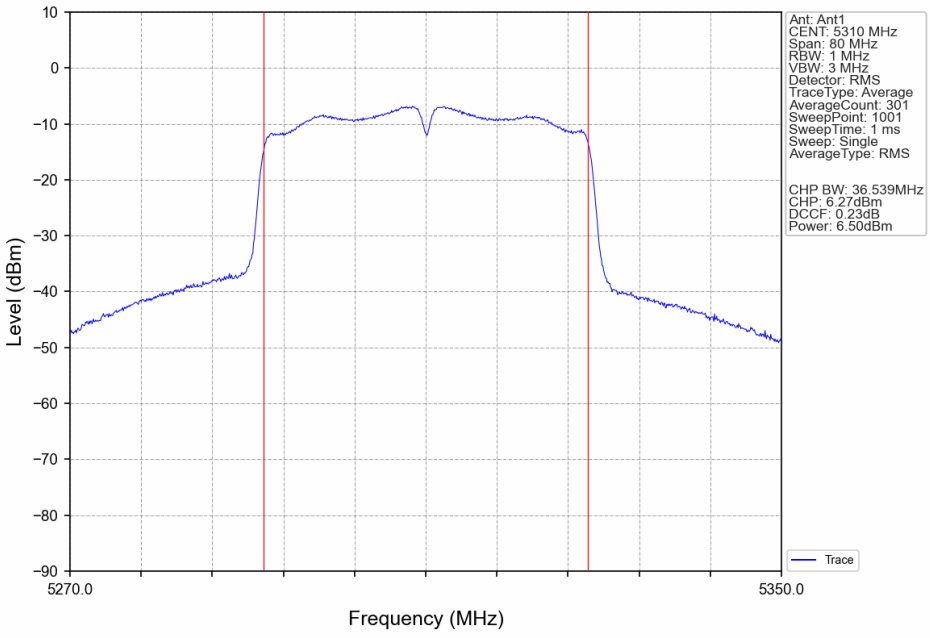
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



3. Maximum Power Spectral Density

3.1 Test Result

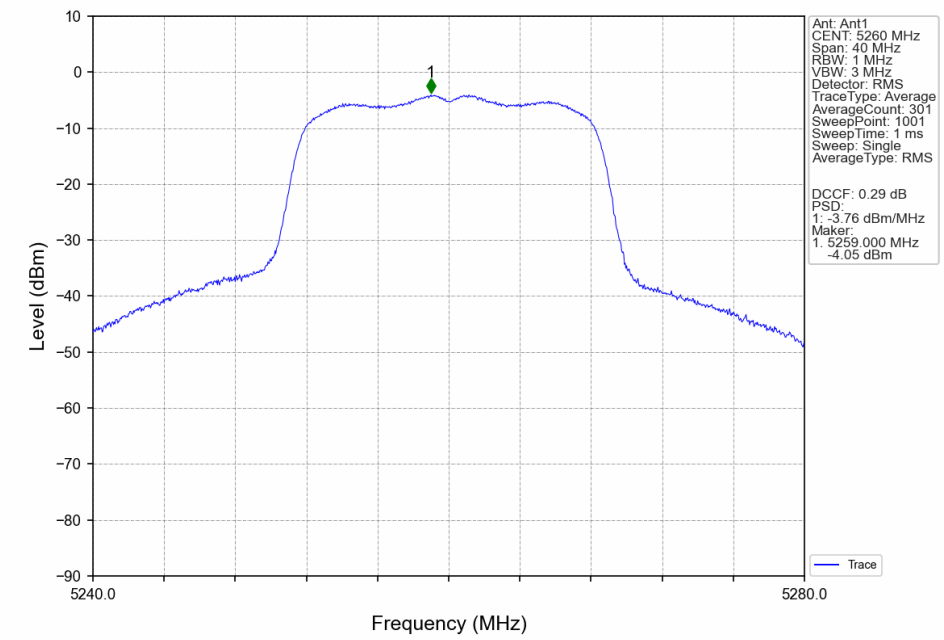
3.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5260	-3.76	<=11	Pass
		5300	-3.87	<=11	Pass
		5320	-4.50	<=11	Pass
802.11n (HT20)	SISO	5260	-4.17	<=11	Pass
		5300	-4.21	<=11	Pass
		5320	-4.60	<=11	Pass
802.11n (HT40)	SISO	5270	-6.18	<=11	Pass
		5310	-6.61	<=11	Pass
Note1: Antenna Gain: Ant1: 2.91dBi;					

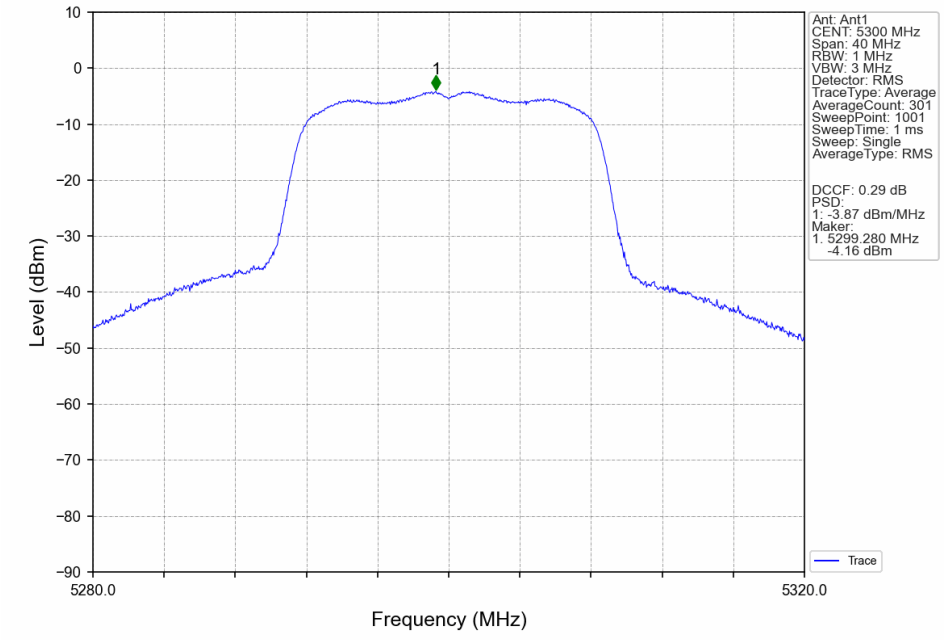
3.2 Test Graph

3.2.1 PSD

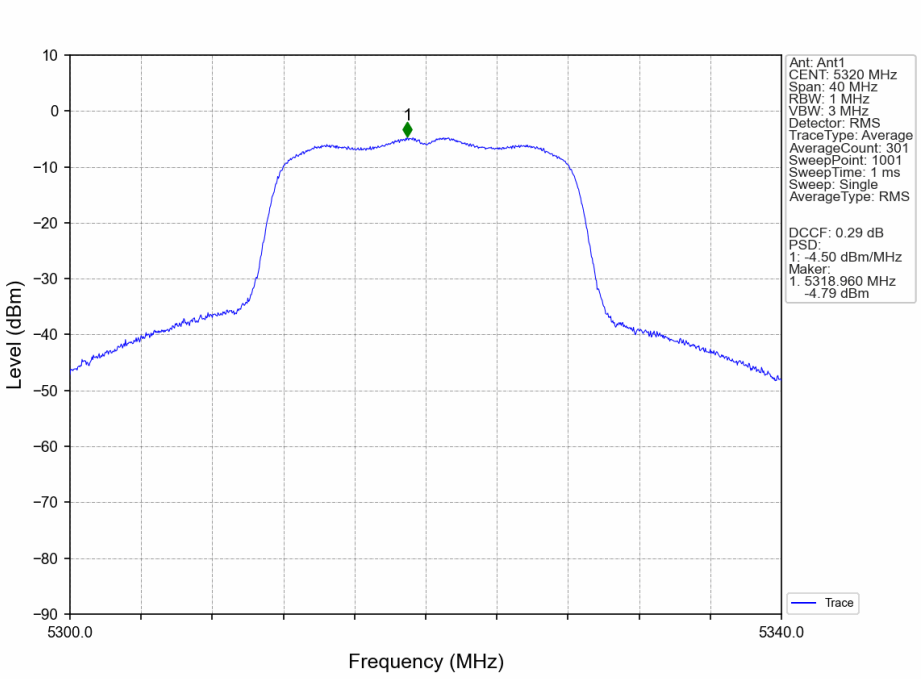
802.11a_LCH_5260MHz_Ant1_NTNV



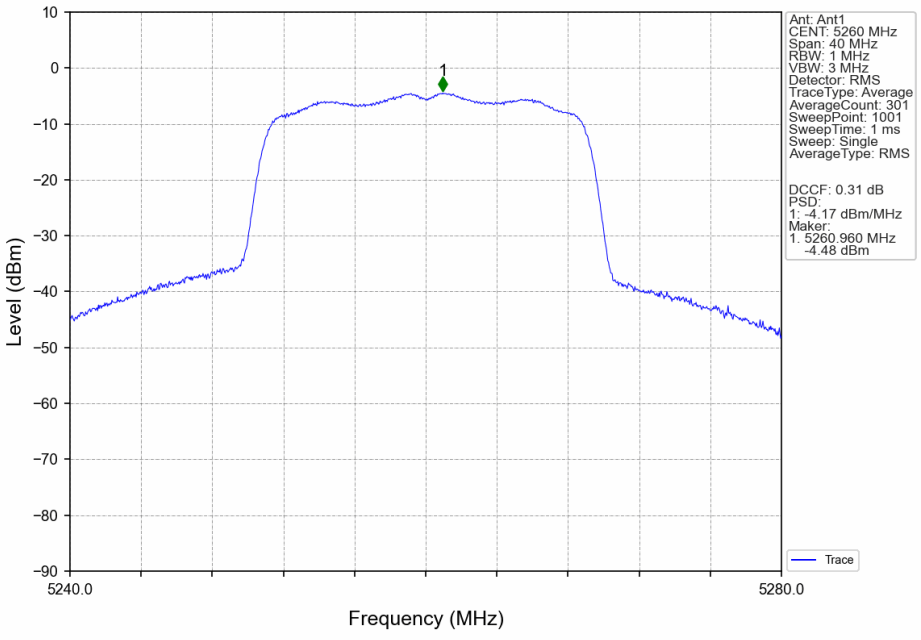
802.11a_MCH_5300MHz_Ant1_NTNV



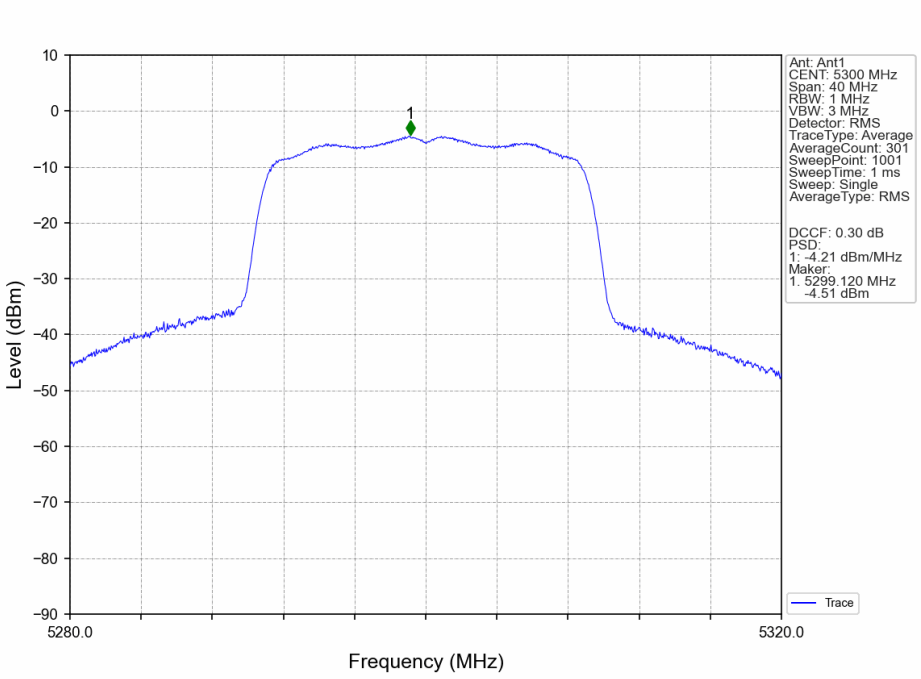
802.11a_HCH_5320MHz_Ant1_NTNV



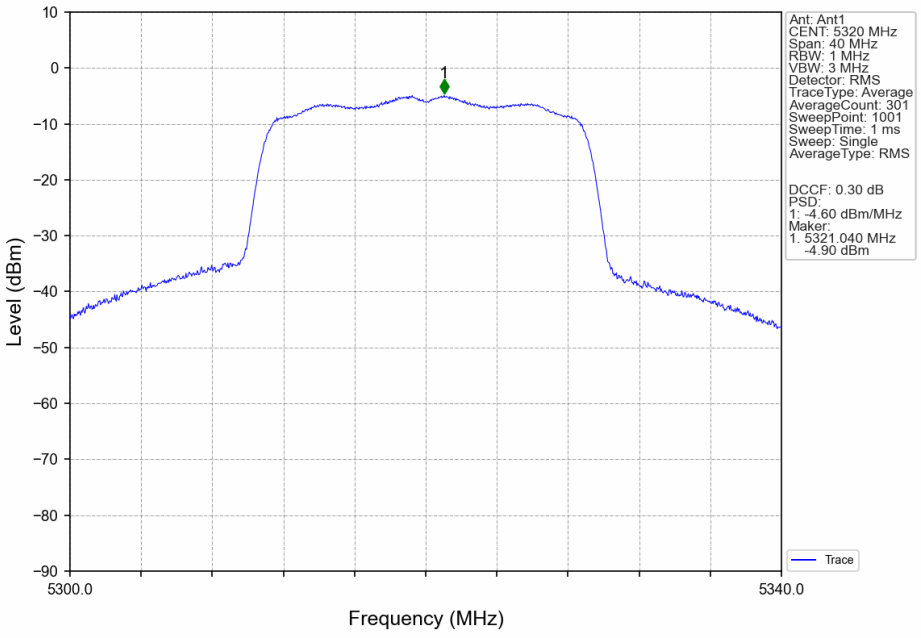
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



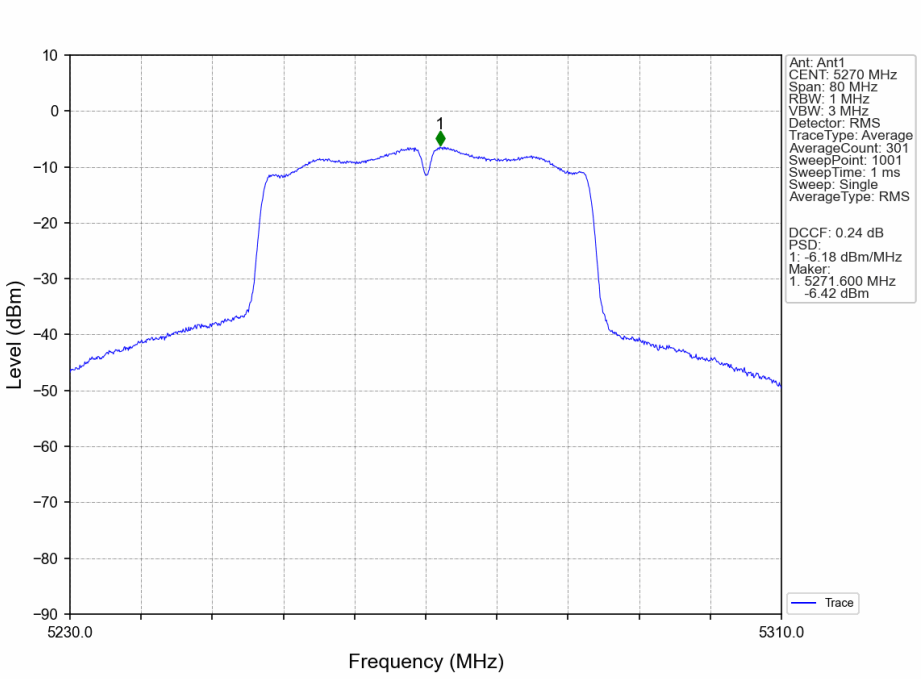
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



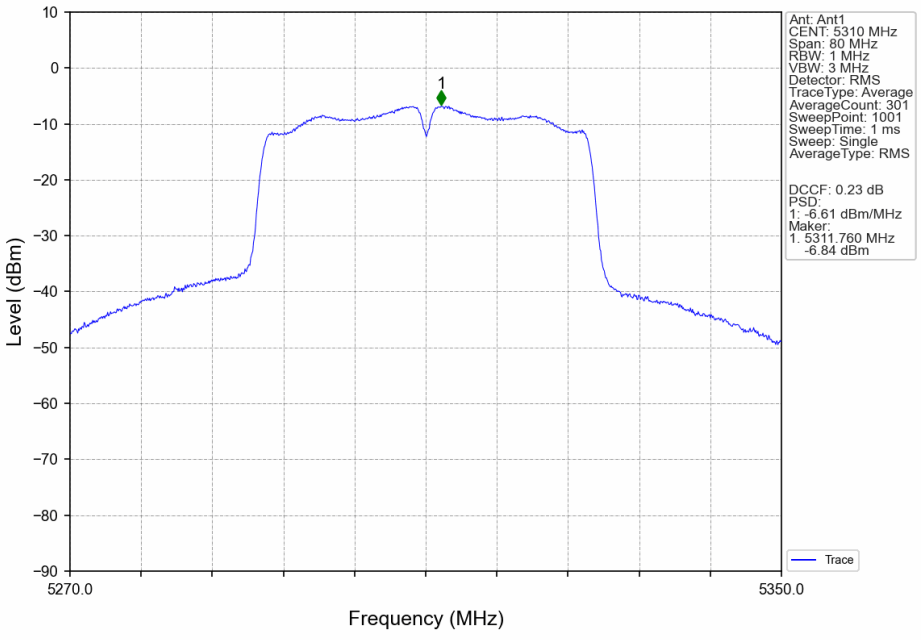
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



4. Frequency Stability

4.1 Test Result

4.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5260	20	102	5259.997	5250 to 5350	Pass
				120	5259.997	5250 to 5350	Pass
				138	5259.997	5250 to 5350	Pass
			-30	120	5259.997	5250 to 5350	Pass
			-20	120	5259.997	5250 to 5350	Pass
			-10	120	5259.997	5250 to 5350	Pass
			0	120	5259.997	5250 to 5350	Pass
			10	120	5259.997	5250 to 5350	Pass
			30	120	5259.997	5250 to 5350	Pass
			40	120	5259.997	5250 to 5350	Pass
			50	120	5259.997	5250 to 5350	Pass
		5300	20	102	5299.997	5250 to 5350	Pass
				120	5299.997	5250 to 5350	Pass
				138	5299.997	5250 to 5350	Pass
			-30	120	5299.997	5250 to 5350	Pass
			-20	120	5299.997	5250 to 5350	Pass
			-10	120	5299.997	5250 to 5350	Pass
			0	120	5299.997	5250 to 5350	Pass
			10	120	5299.997	5250 to 5350	Pass
			30	120	5299.997	5250 to 5350	Pass
			40	120	5299.997	5250 to 5350	Pass
			50	120	5299.997	5250 to 5350	Pass
		5320	20	102	5319.997	5250 to 5350	Pass
				120	5319.997	5250 to 5350	Pass
				138	5319.997	5250 to 5350	Pass
			-30	120	5319.997	5250 to 5350	Pass
			-20	120	5319.997	5250 to 5350	Pass
			-10	120	5319.997	5250 to 5350	Pass
			0	120	5319.997	5250 to 5350	Pass
			10	120	5319.997	5250 to 5350	Pass
			30	120	5319.997	5250 to 5350	Pass
			40	120	5319.997	5250 to 5350	Pass
			50	120	5319.997	5250 to 5350	Pass
		5270	20	102	5269.997	5250 to 5350	Pass
				120	5269.997	5250 to 5350	Pass
				138	5269.997	5250 to 5350	Pass
			-30	120	5269.996	5250 to 5350	Pass
			-20	120	5269.996	5250 to 5350	Pass
			-10	120	5269.997	5250 to 5350	Pass
			0	120	5269.997	5250 to 5350	Pass
			10	120	5269.997	5250 to 5350	Pass
			30	120	5269.997	5250 to 5350	Pass
			40	120	5269.997	5250 to 5350	Pass
			50	120	5269.997	5250 to 5350	Pass
		5310	20	102	5309.997	5250 to 5350	Pass
				120	5309.997	5250 to 5350	Pass
				138	5309.997	5250 to 5350	Pass
			-30	120	5309.997	5250 to 5350	Pass
			-20	120	5309.997	5250 to 5350	Pass
			-10	120	5309.997	5250 to 5350	Pass

			0	120	5309.997	5250 to 5350	Pass
			10	120	5309.997	5250 to 5350	Pass
			30	120	5309.996	5250 to 5350	Pass
			40	120	5309.997	5250 to 5350	Pass
			50	120	5309.997	5250 to 5350	Pass