1. Bandwidth

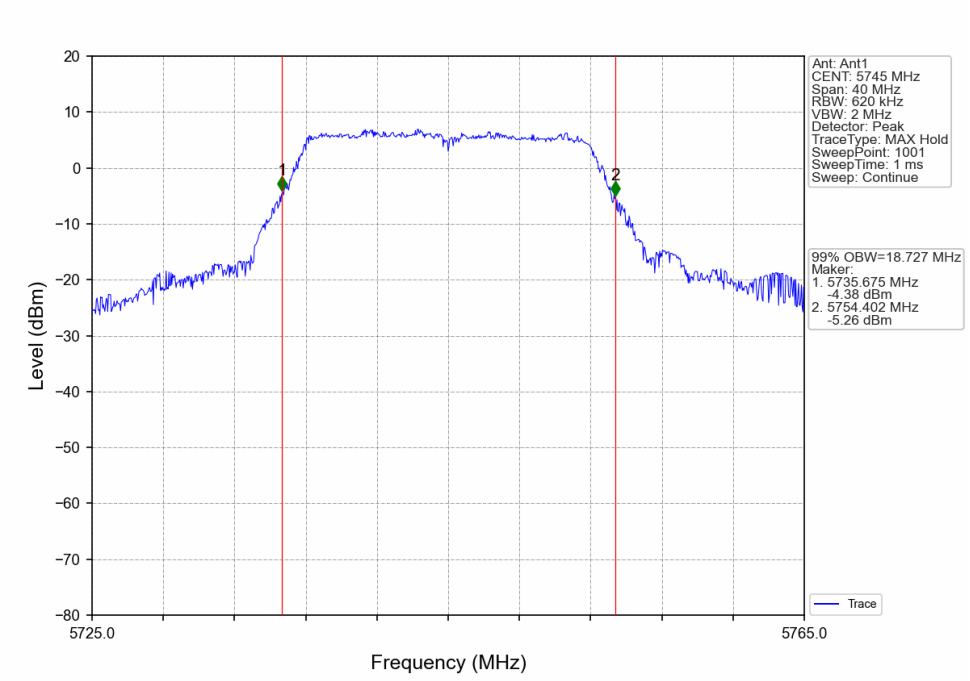
1.1 OBW

1.1.1 Test Result

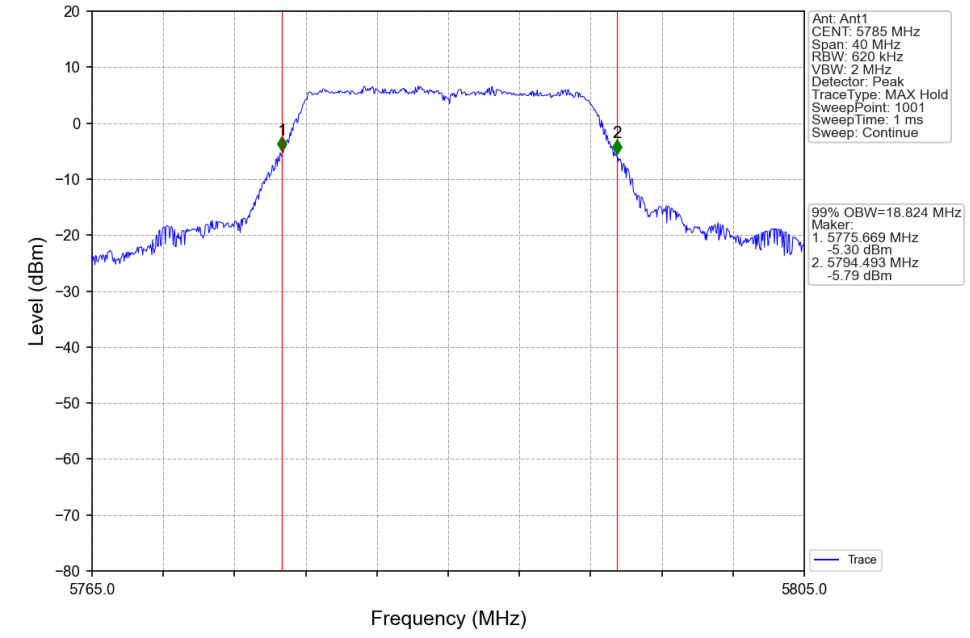
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	18.727	/	Pass
		5785	1	18.824	/	Pass
		5825	1	18.802	/	Pass
802.11n (HT20)	SISO	5745	1	19.531	/	Pass
		5785	1	19.583	/	Pass
		5825	1	19.695	/	Pass
802.11n (HT40)	SISO	5755	1	37.713	/	Pass
		5795	1	37.670	/	Pass

1.1.2 Test Graph

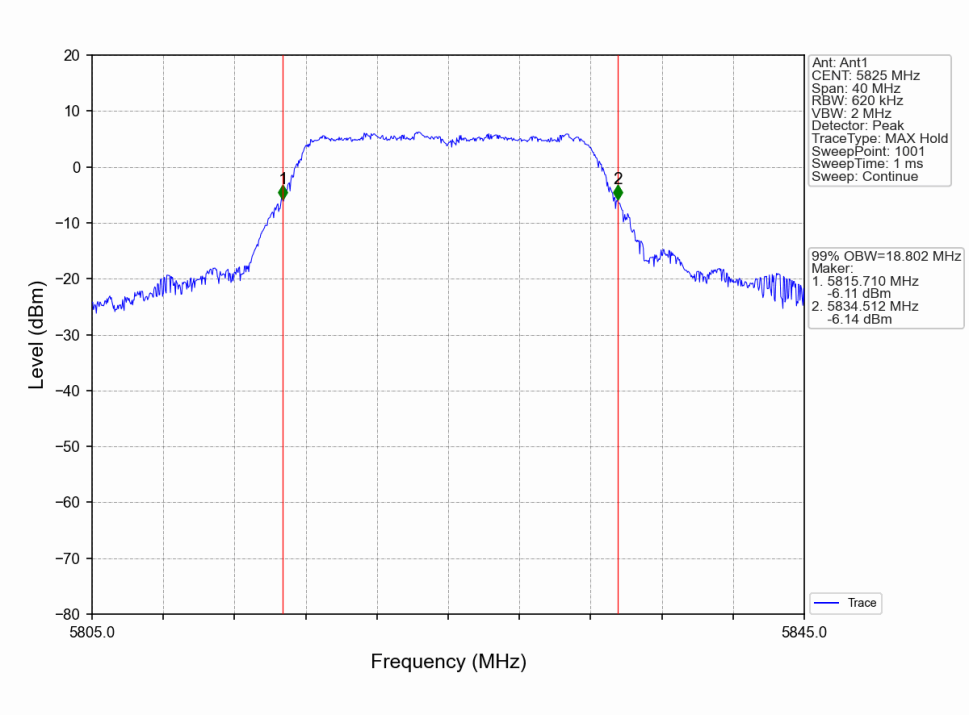
802.11a_LCH_5745MHz_Ant1_NTNV



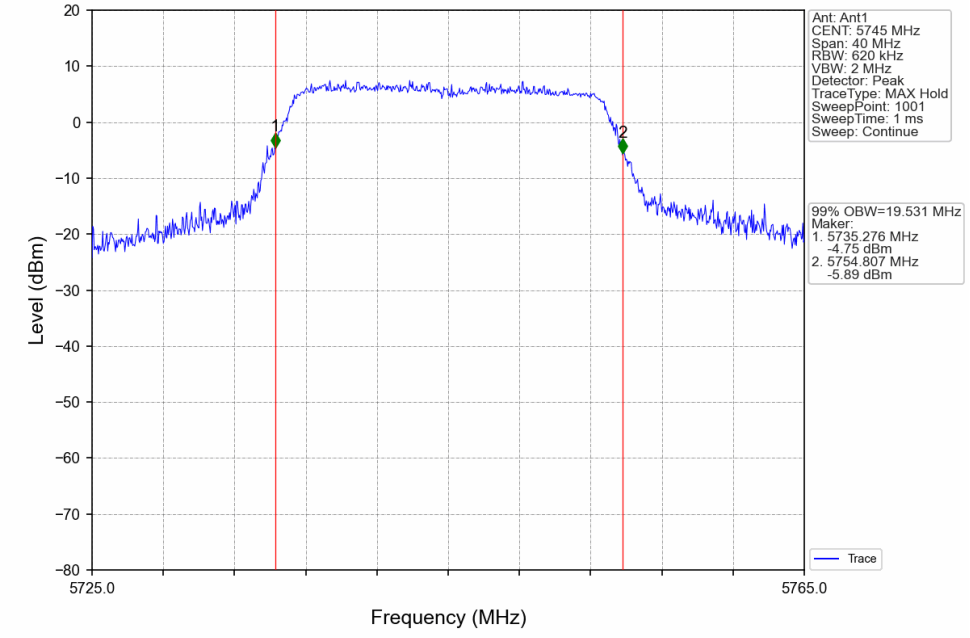
802.11a_MCH_5785MHz_Ant1_NTNV



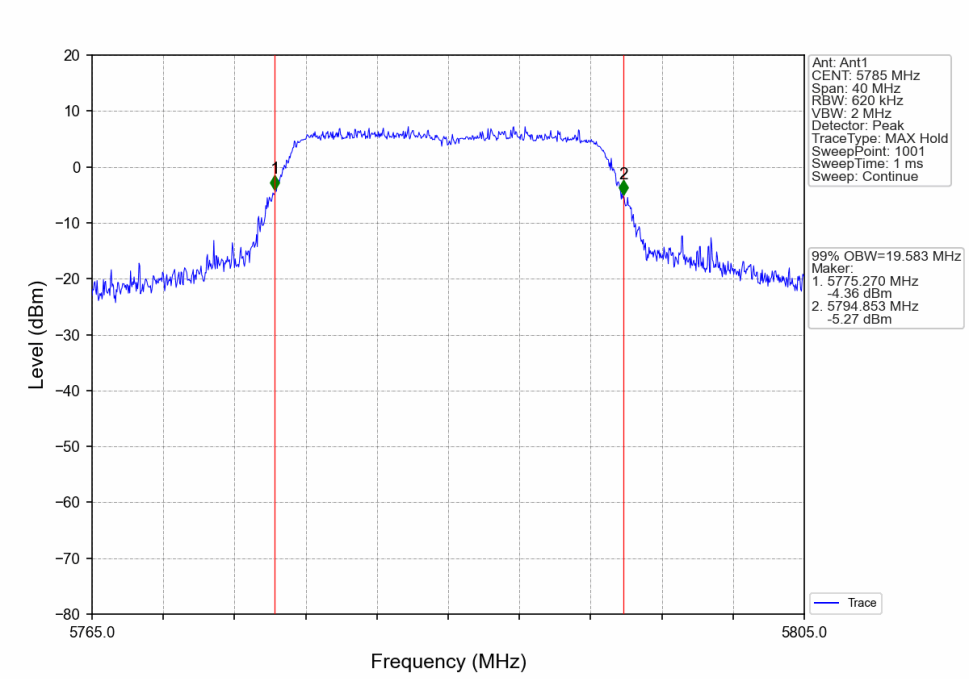
802.11a_HCH_5825MHz_Ant1_NTNV



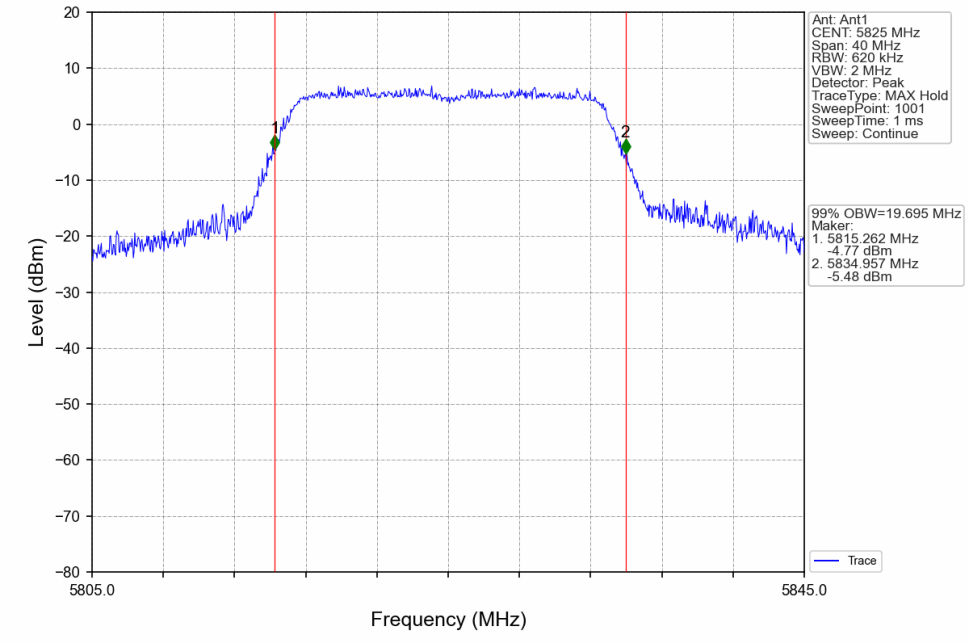
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



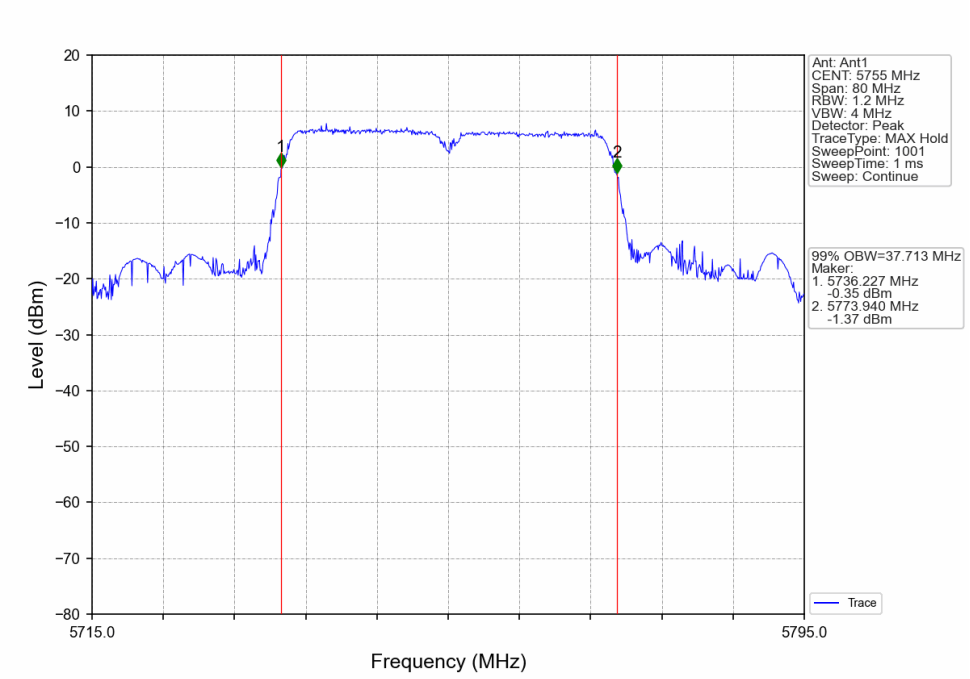
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



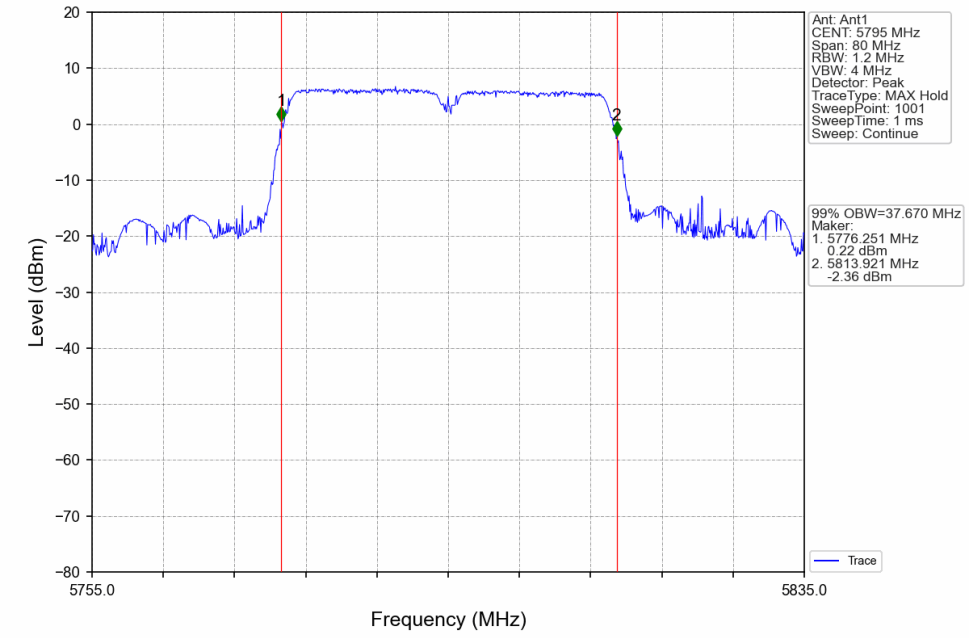
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



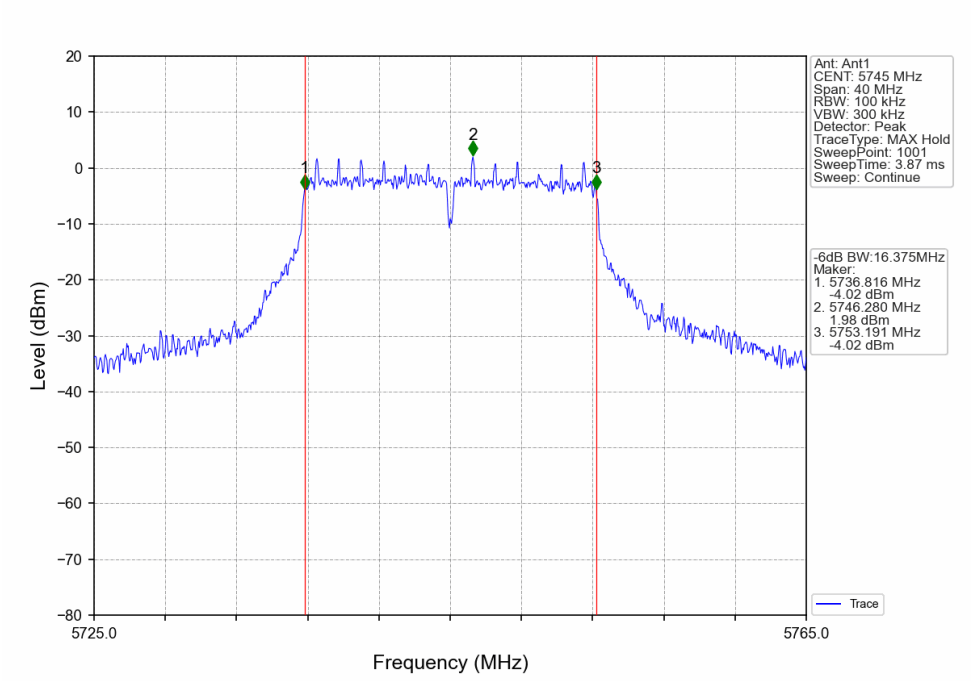
1.2 6dB BW

1.2.1 Test Result

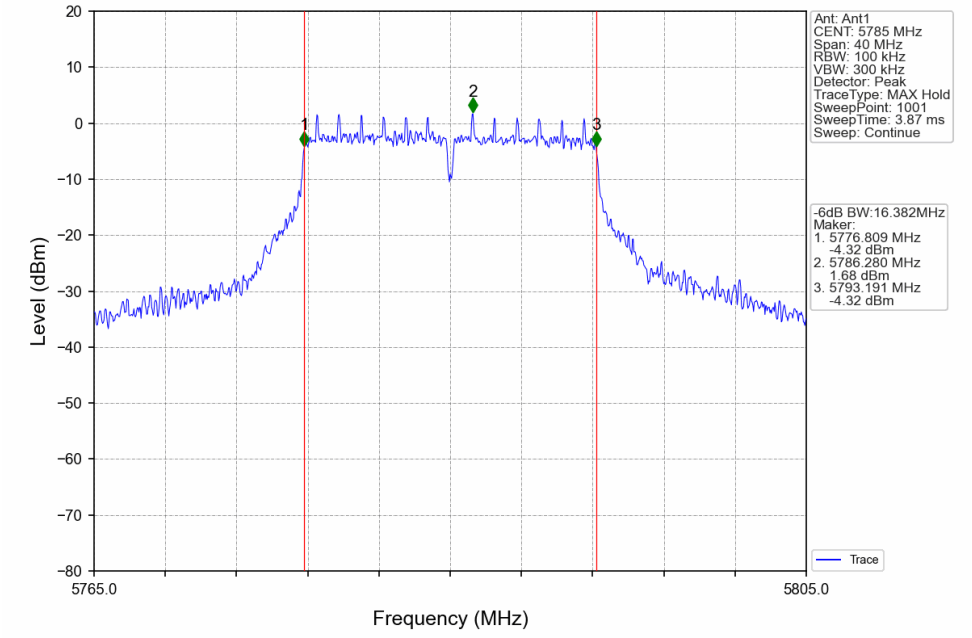
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.375	>=0.5	Pass
		5785	1	16.382	>=0.5	Pass
		5825	1	16.395	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	17.615	>=0.5	Pass
		5785	1	17.631	>=0.5	Pass
		5825	1	17.614	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	36.362	>=0.5	Pass
		5795	1	36.372	>=0.5	Pass

1.2.2 Test Graph

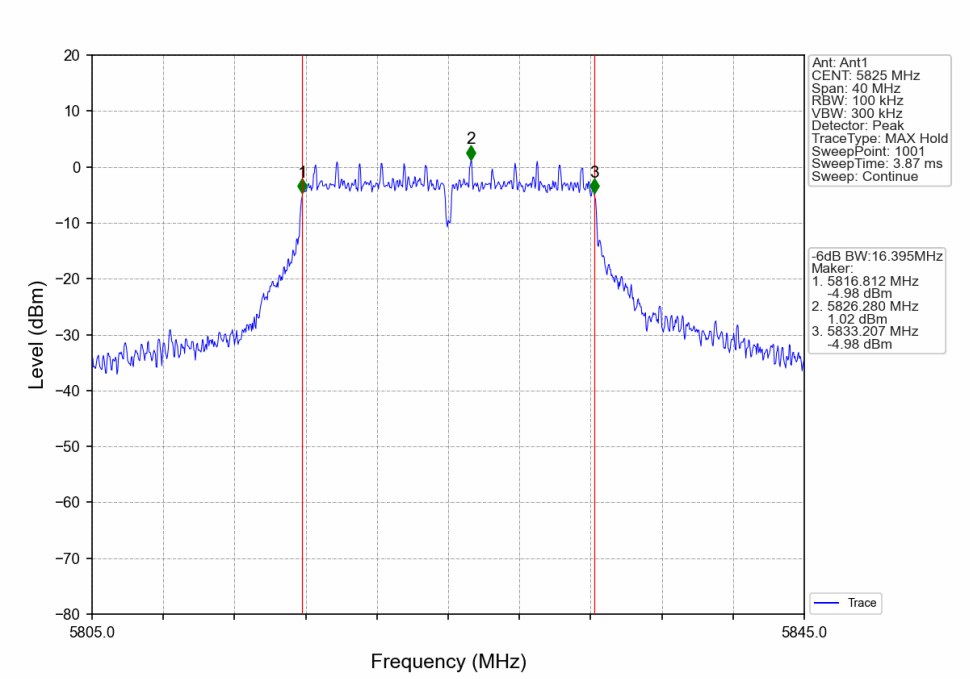
802.11a_LCH_5745MHz_Ant1_NTNV



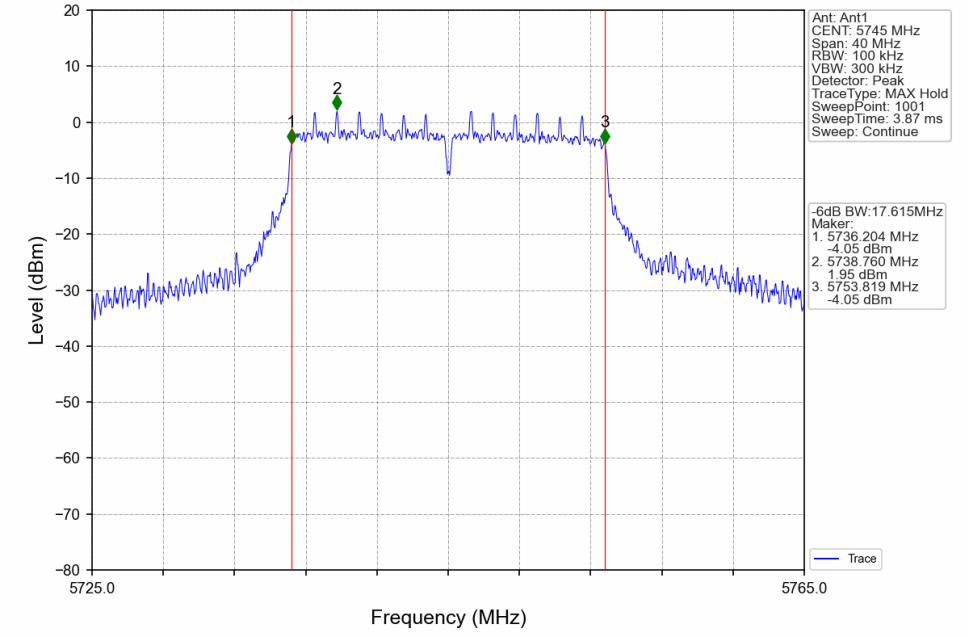
802.11a_MCH_5785MHz_Ant1_NTNV



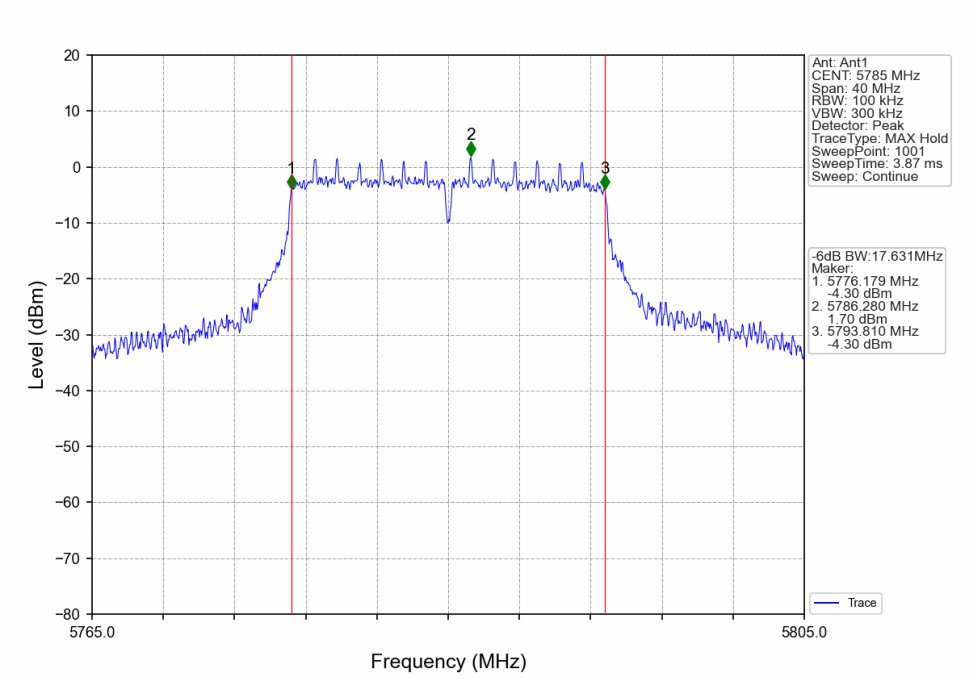
802.11a_HCH_5825MHz_Ant1_NTNV



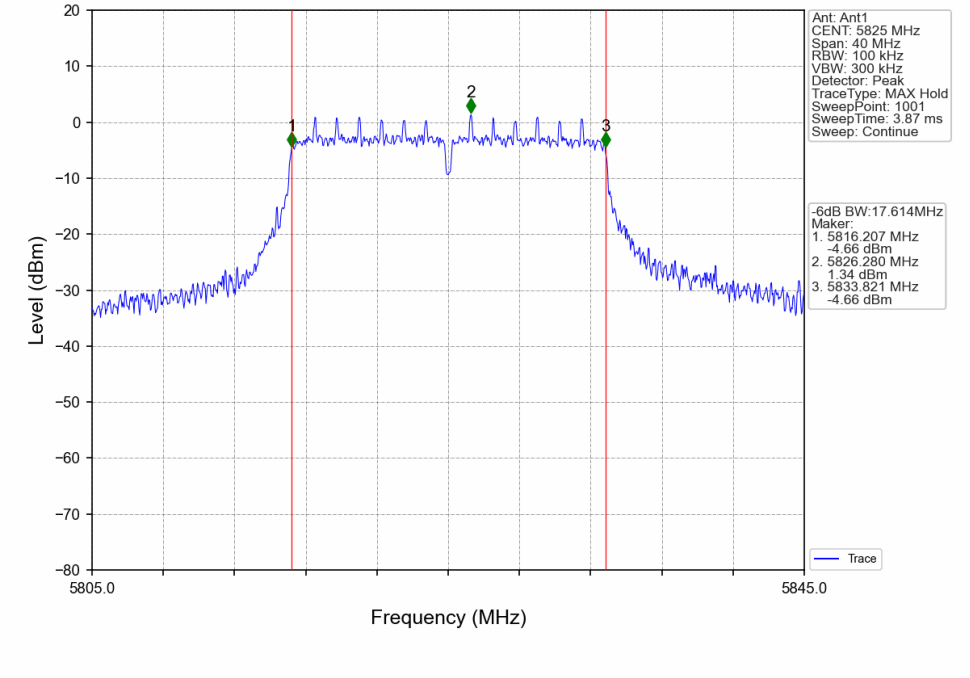
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



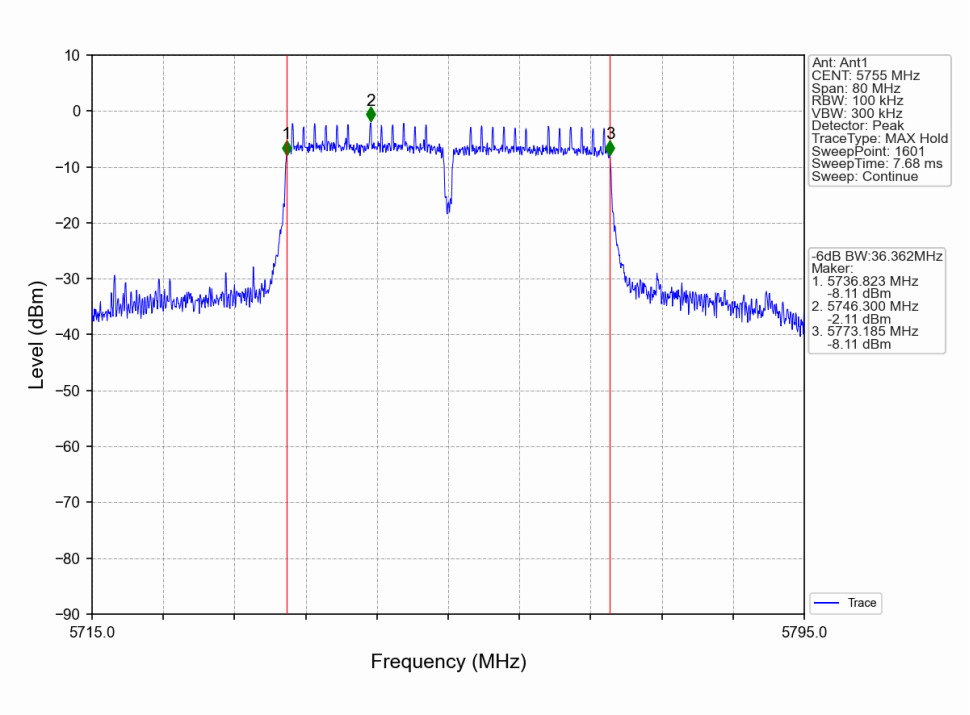
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



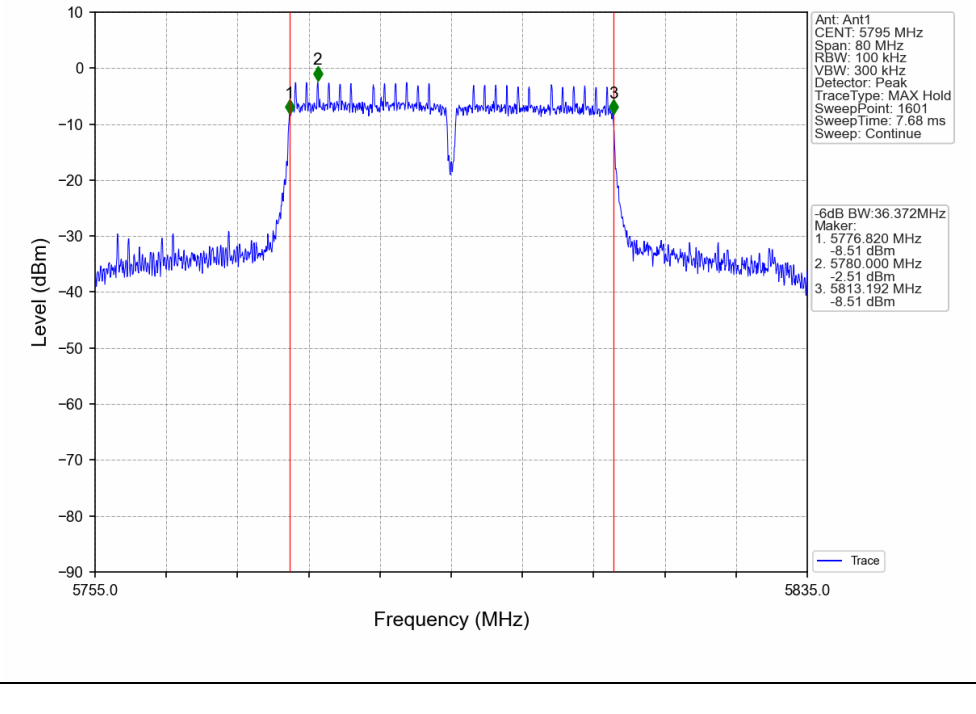
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



2. Maximum Conducted Output Power

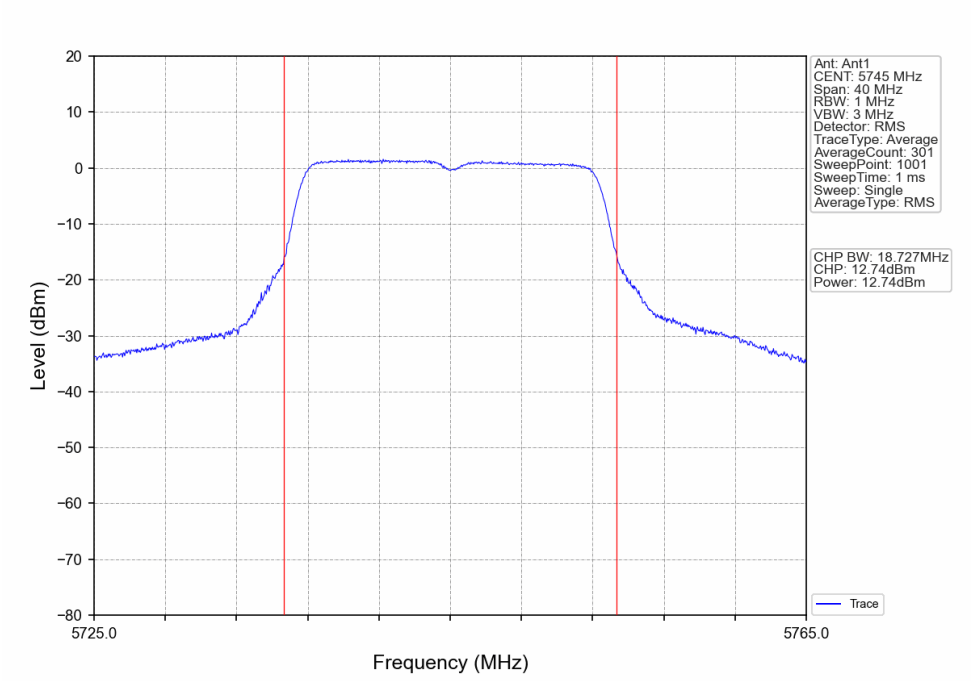
2.1 Power

2.1.1 Test Result

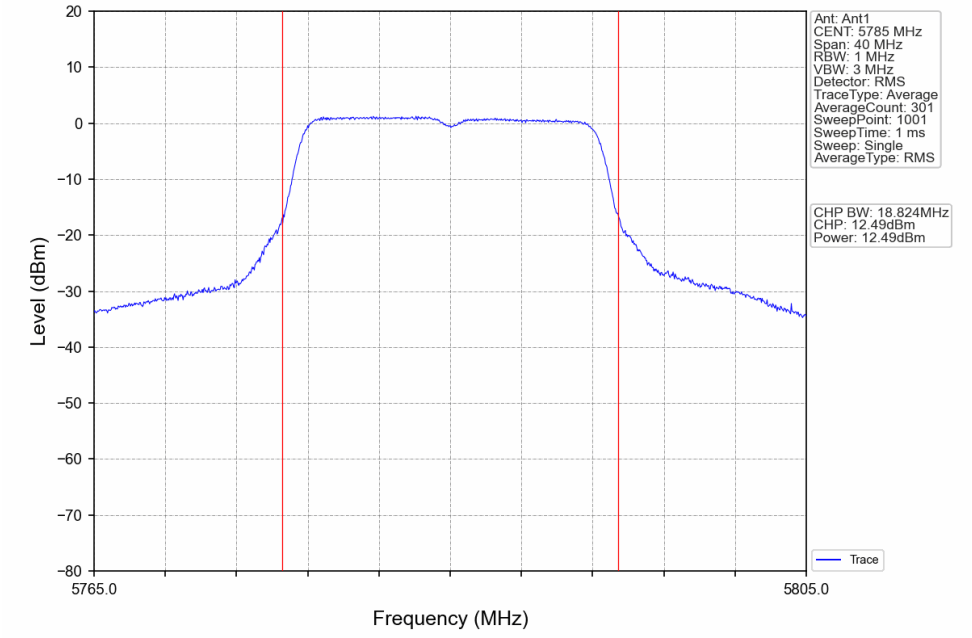
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	12.74	<=30	Pass
		5785	12.49	<=30	Pass
		5825	12.11	<=30	Pass
802.11n (HT20)	SISO	5745	12.84	<=30	Pass
		5785	12.44	<=30	Pass
		5825	12.07	<=30	Pass
802.11n (HT40)	SISO	5755	11.65	<=30	Pass
		5795	11.49	<=30	Pass
Note1: Antenna Gain: Ant1: 4.85dBi;					

2.1.2 Test Graph

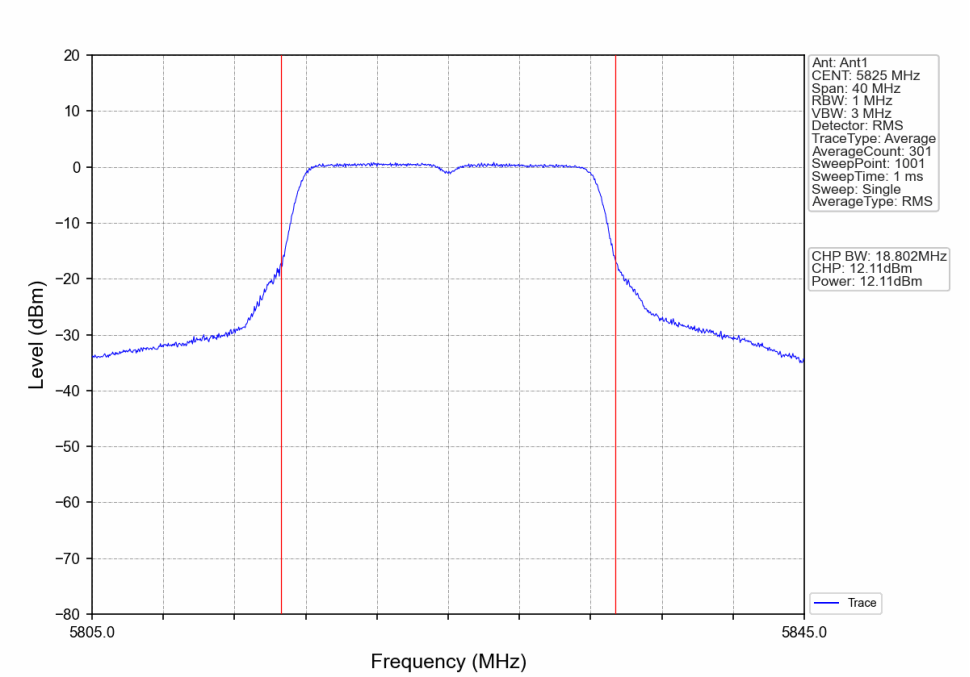
802.11a_LCH_5745MHz_Ant1_NTNV



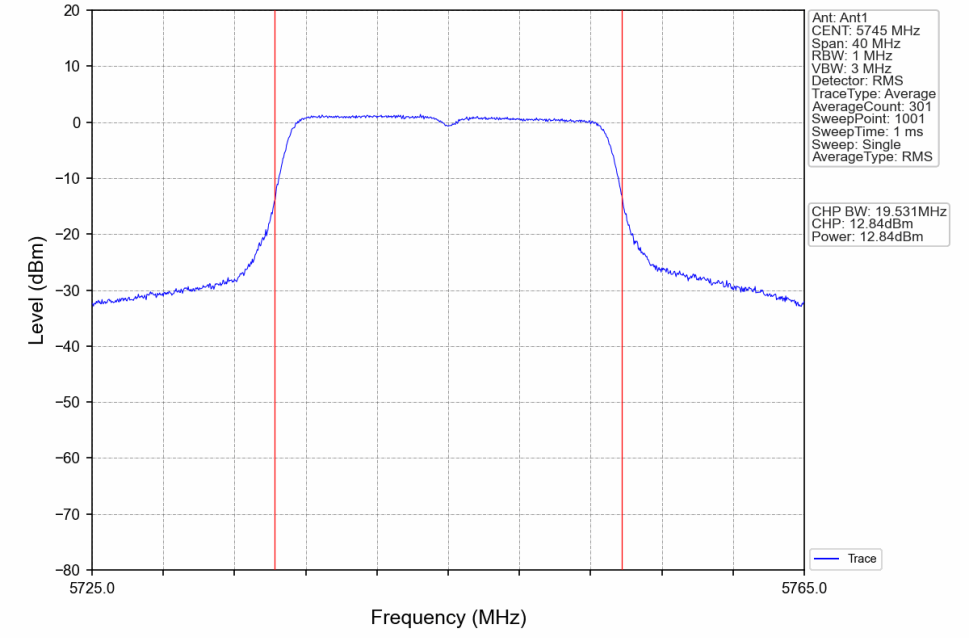
802.11a_MCH_5785MHz_Ant1_NTNV



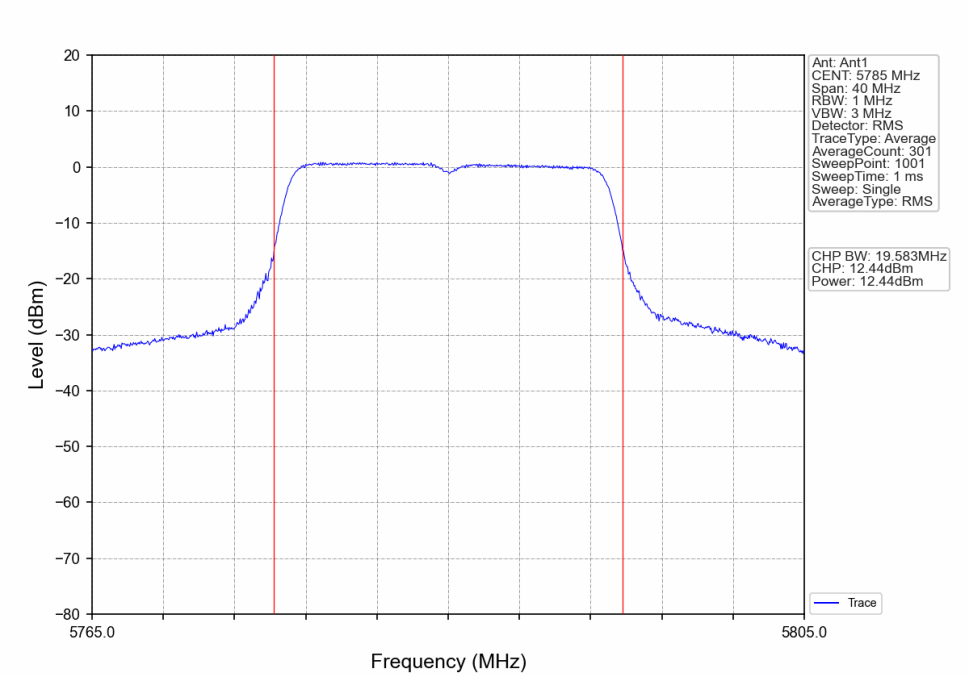
802.11a_HCH_5825MHz_Ant1_NTNV



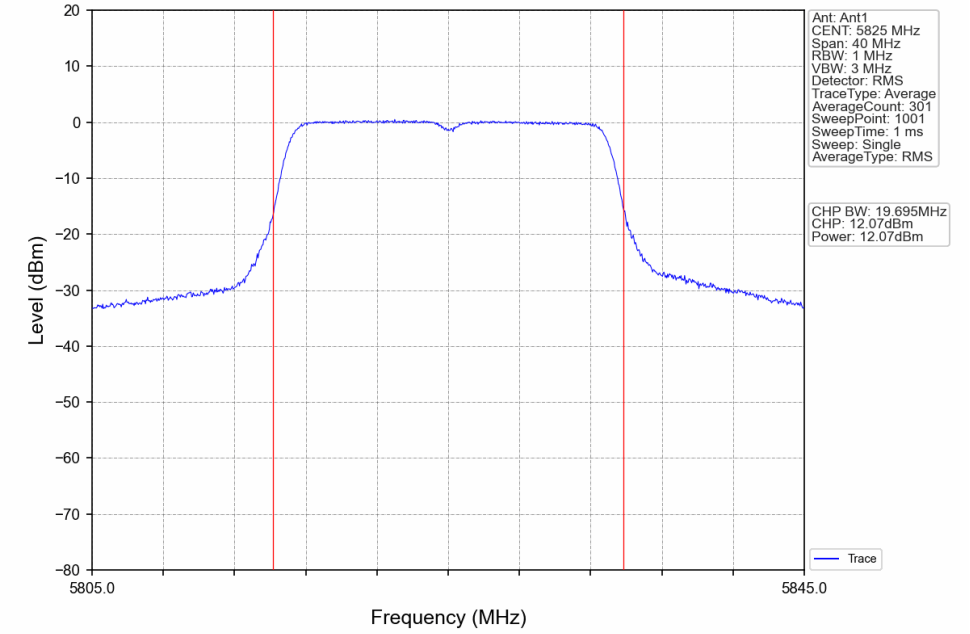
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



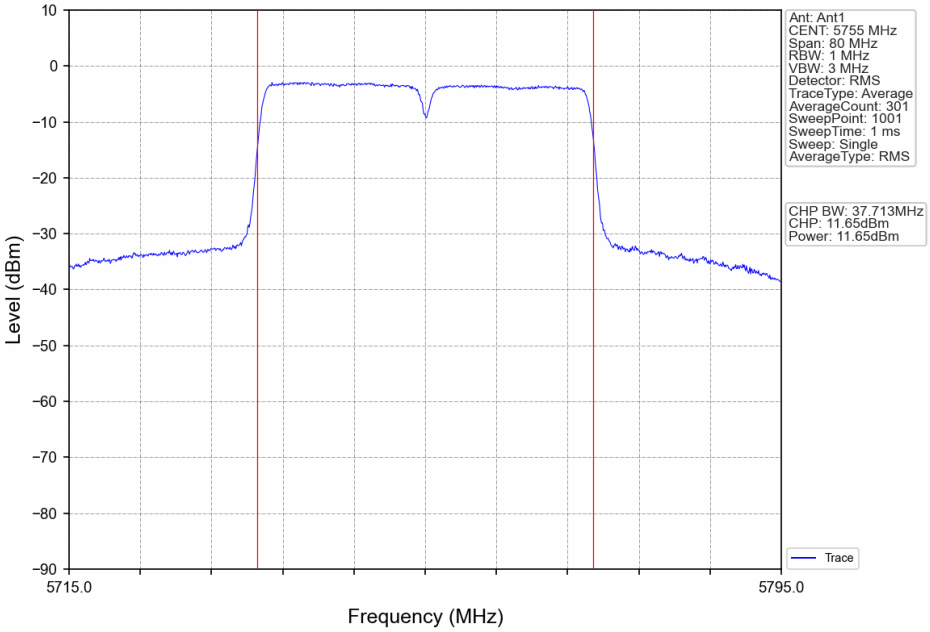
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



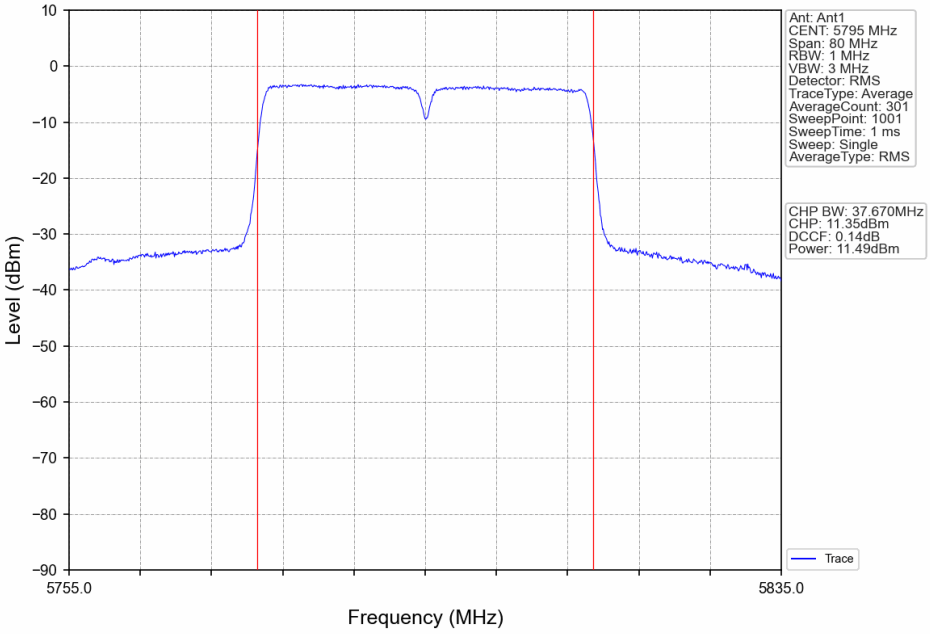
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



3. Maximum Power Spectral Density

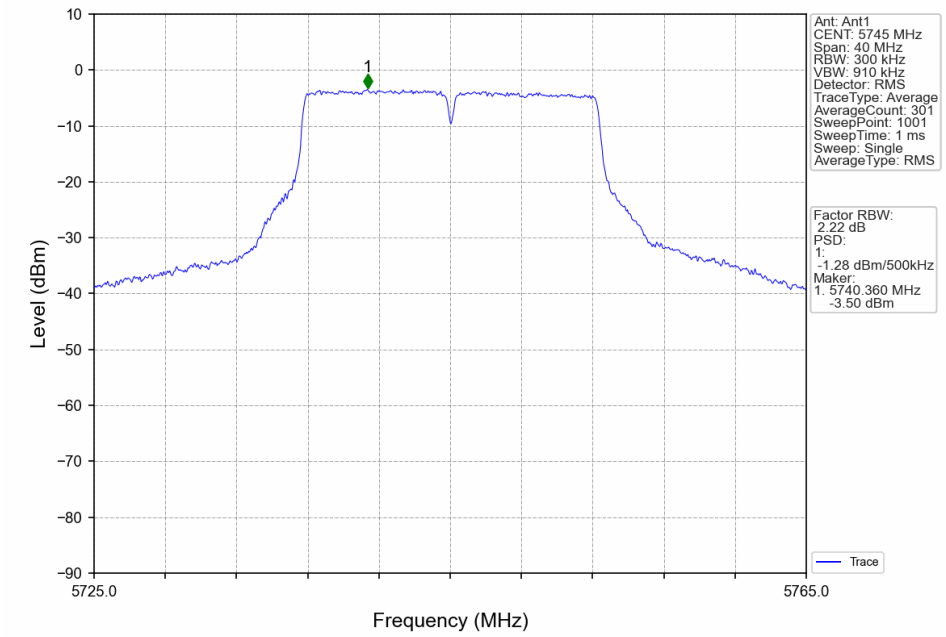
3.1 PSD-Band3

3.1.1 Test Result

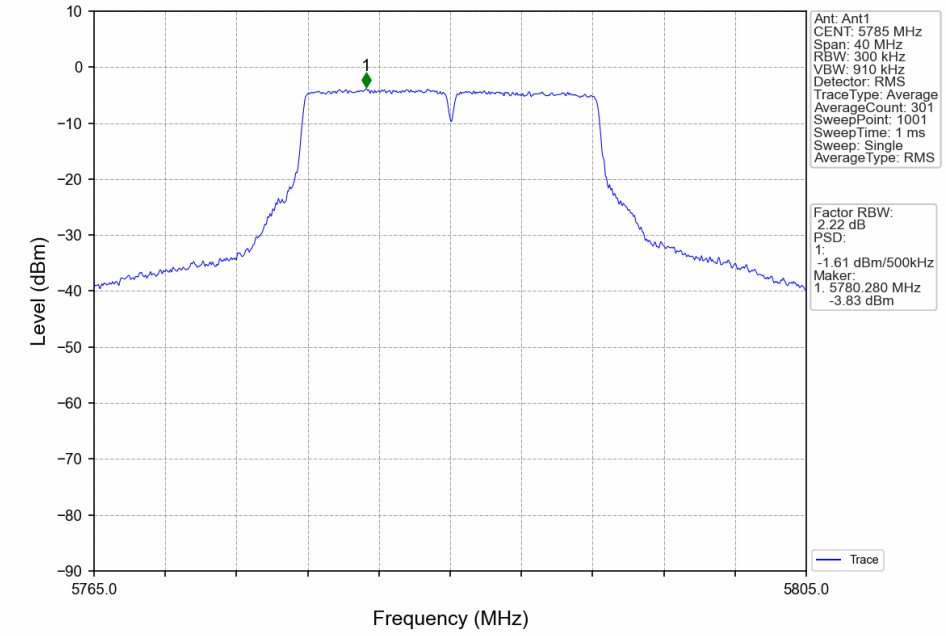
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-1.28	<=30	Pass
		5785	-1.61	<=30	Pass
		5825	-2.10	<=30	Pass
802.11n (HT20)	SISO	5745	-1.59	<=30	Pass
		5785	-1.99	<=30	Pass
		5825	-2.45	<=30	Pass
802.11n (HT40)	SISO	5755	-5.76	<=30	Pass
		5795	-5.87	<=30	Pass
Note1: Antenna Gain: Ant1: 4.85dBi;					

3.1.2 Test Graph

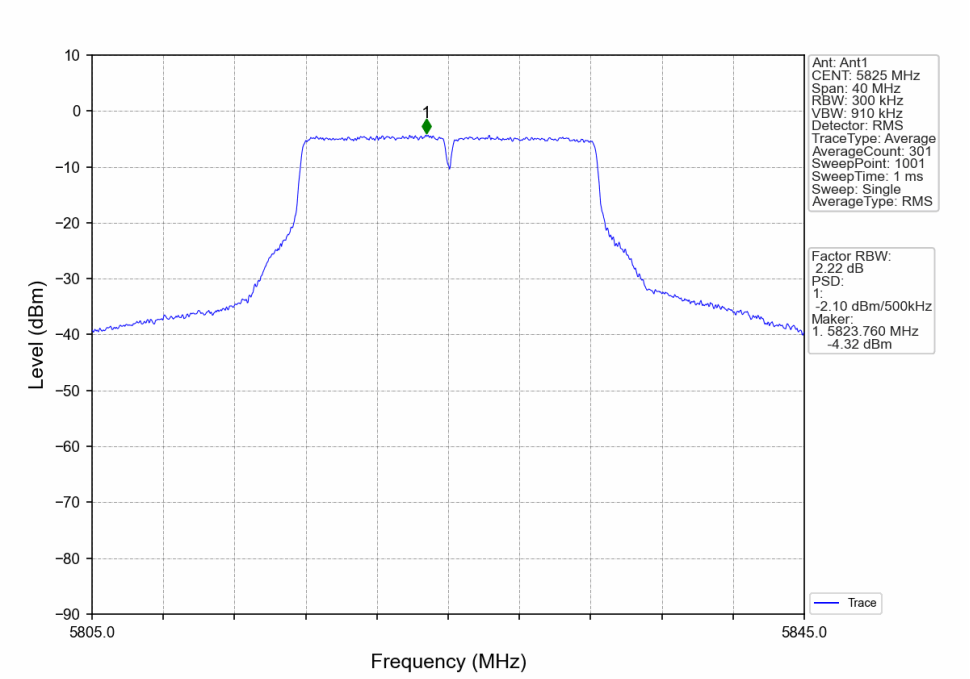
802.11a_LCH_5745MHz_Ant1_NTNV



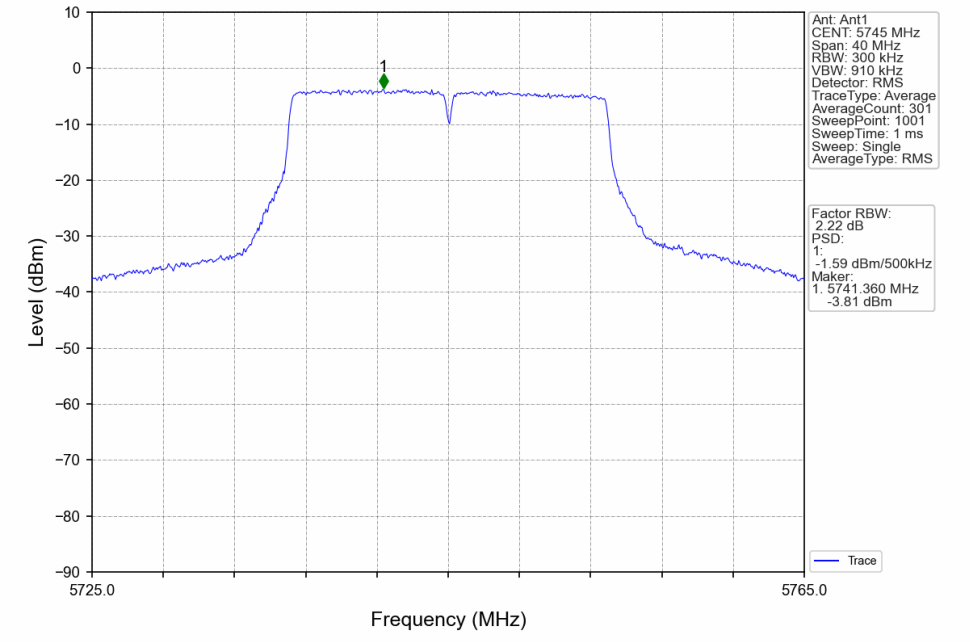
802.11a_MCH_5785MHz_Ant1_NTNV



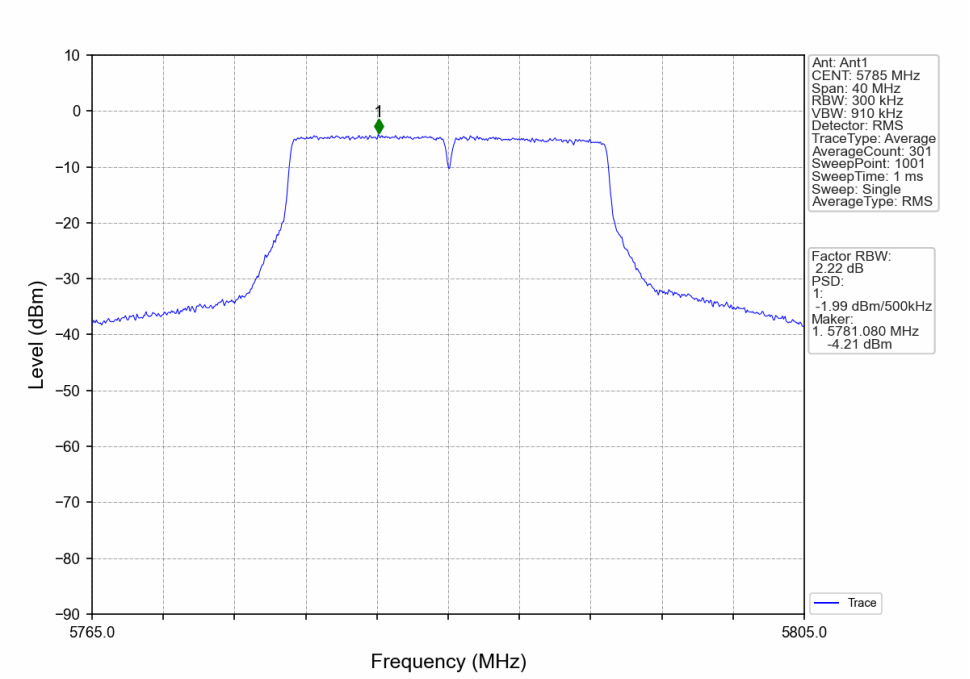
802.11a_HCH_5825MHz_Ant1_NTNV



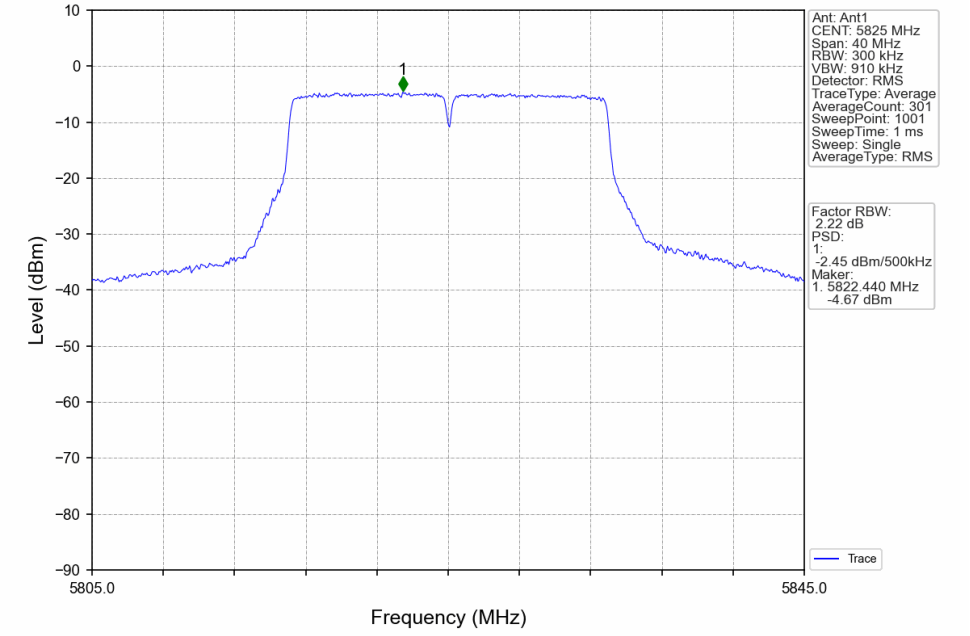
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



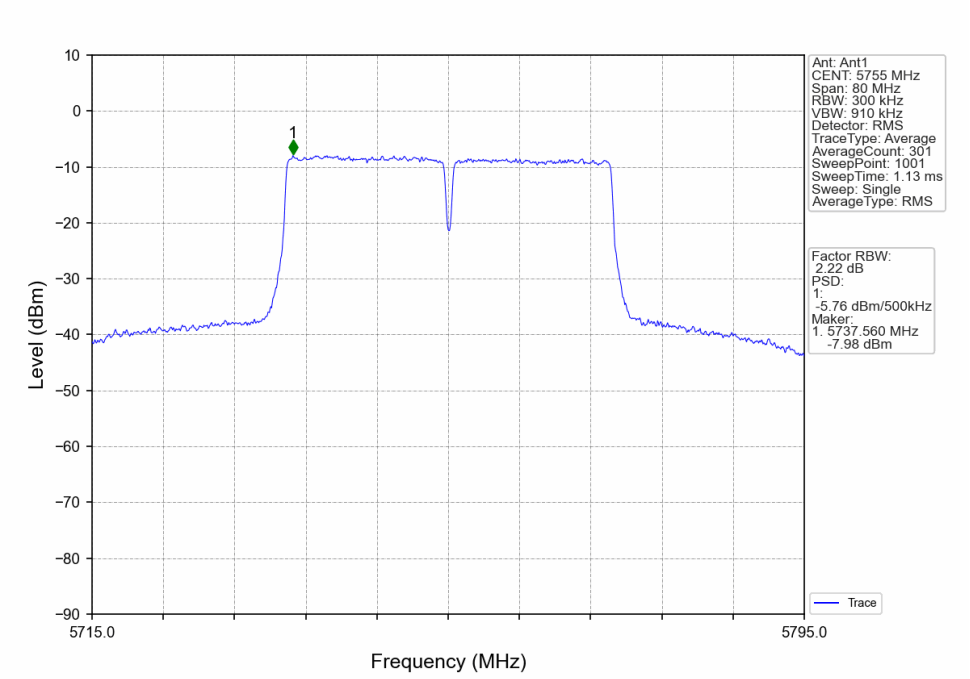
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



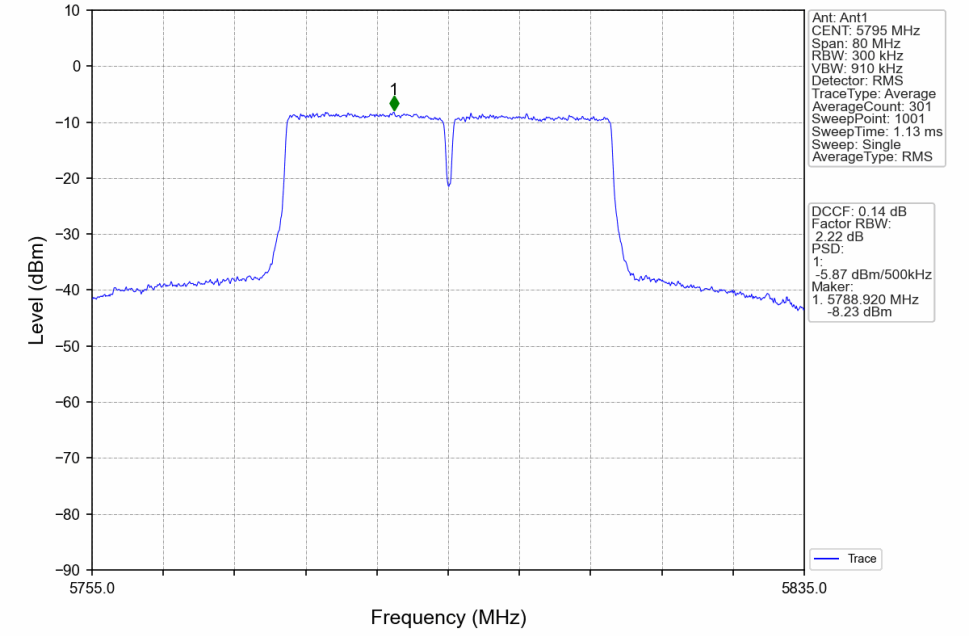
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5745.004	5725 to 5850	Pass
				120	5745.004	5725 to 5850	Pass
				138	5745.004	5725 to 5850	Pass
			-30	120	5745.004	5725 to 5850	Pass
			-20	120	5745.004	5725 to 5850	Pass
			-10	120	5745.004	5725 to 5850	Pass
			0	120	5745.004	5725 to 5850	Pass
			10	120	5745.004	5725 to 5850	Pass
			30	120	5745.004	5725 to 5850	Pass
			40	120	5745.004	5725 to 5850	Pass
			50	120	5745.004	5725 to 5850	Pass
		5785	20	102	5785.004	5725 to 5850	Pass
				120	5785.004	5725 to 5850	Pass
				138	5785.004	5725 to 5850	Pass
			-30	120	5785.004	5725 to 5850	Pass
			-20	120	5785.004	5725 to 5850	Pass
			-10	120	5785.004	5725 to 5850	Pass
			0	120	5785.004	5725 to 5850	Pass
			10	120	5785.004	5725 to 5850	Pass
			30	120	5785.004	5725 to 5850	Pass
			40	120	5785.004	5725 to 5850	Pass
			50	120	5785.004	5725 to 5850	Pass
		5825	20	102	5825.004	5725 to 5850	Pass
				120	5825.004	5725 to 5850	Pass
				138	5825.004	5725 to 5850	Pass
			-30	120	5825.004	5725 to 5850	Pass
			-20	120	5825.004	5725 to 5850	Pass
			-10	120	5825.004	5725 to 5850	Pass
			0	120	5825.004	5725 to 5850	Pass
			10	120	5825.004	5725 to 5850	Pass
			30	120	5825.004	5725 to 5850	Pass
			40	120	5825.004	5725 to 5850	Pass
			50	120	5825.004	5725 to 5850	Pass
		5755	20	102	5755.004	5725 to 5850	Pass
				120	5755.004	5725 to 5850	Pass
				138	5755.004	5725 to 5850	Pass
			-30	120	5755.004	5725 to 5850	Pass
			-20	120	5755.004	5725 to 5850	Pass
			-10	120	5755.004	5725 to 5850	Pass
			0	120	5755.004	5725 to 5850	Pass
			10	120	5755.004	5725 to 5850	Pass
			30	120	5755.004	5725 to 5850	Pass
			40	120	5755.004	5725 to 5850	Pass
			50	120	5755.004	5725 to 5850	Pass
		5795	20	102	5795.004	5725 to 5850	Pass
				120	5795.004	5725 to 5850	Pass
				138	5795.004	5725 to 5850	Pass
			-30	120	5795.004	5725 to 5850	Pass
			-20	120	5795.004	5725 to 5850	Pass
			-10	120	5795.004	5725 to 5850	Pass

			0	120	5795.004	5725 to 5850	Pass
			10	120	5795.004	5725 to 5850	Pass
			30	120	5795.004	5725 to 5850	Pass
			40	120	5795.004	5725 to 5850	Pass
			50	120	5795.004	5725 to 5850	Pass