1. Duty Cycle

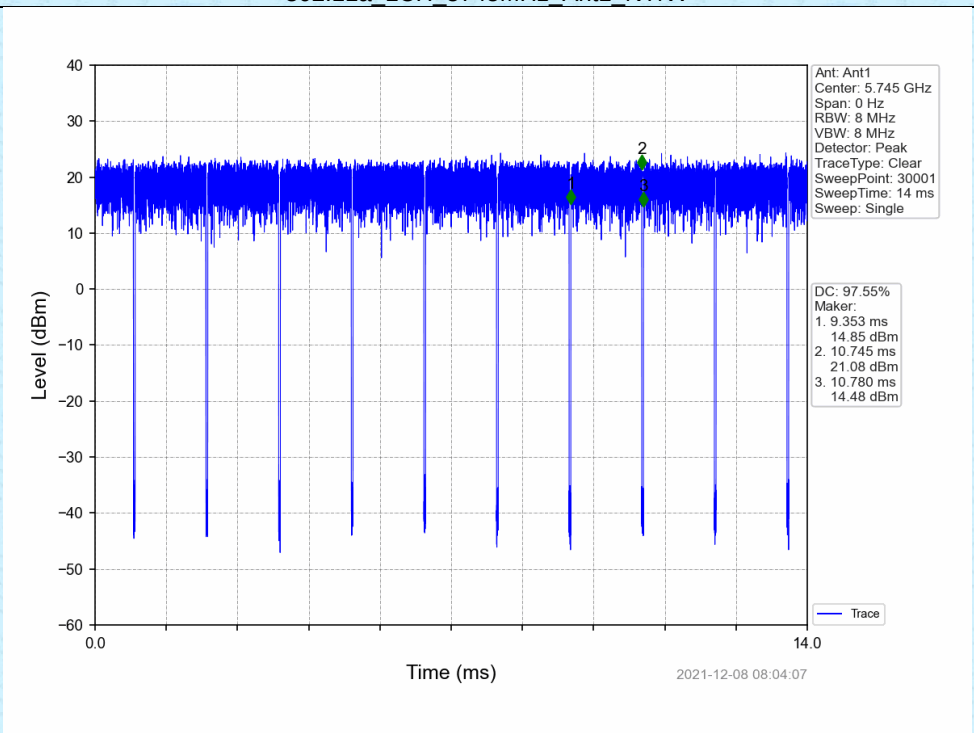
1.1 Ant1

1.1.1 Test Result

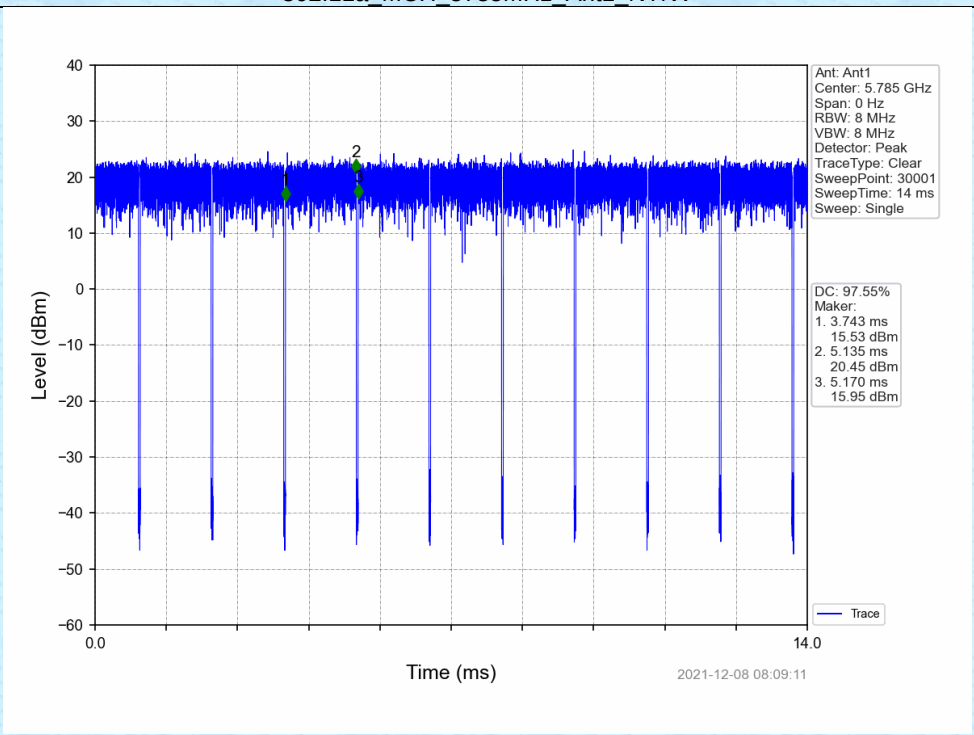
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	1.392	1.427	97.55	0.11	0.06
		5785	1.392	1.427	97.55	0.11	0.03
		5825	1.391	1.427	97.48	0.11	0.03
802.11n (HT20)	SISO	5745	1.299	1.335	97.30	0.12	0.03
		5785	1.300	1.335	97.38	0.12	0.03
		5825	1.300	1.335	97.38	0.12	0.03
802.11n (HT40)	SISO	5755	0.648	0.683	94.88	0.23	0.03
		5795	0.648	0.683	94.88	0.23	0.03
802.11ac (VHT20)	SISO	5745	0.680	0.716	94.97	0.22	0.03
		5785	0.680	0.715	95.10	0.22	0.00
		5825	0.679	0.715	94.97	0.22	0.03
802.11ac (VHT40)	SISO	5755	0.352	0.387	90.96	0.41	0.07
		5795	0.351	0.387	90.70	0.42	0.06

1.1.2 Test Graph

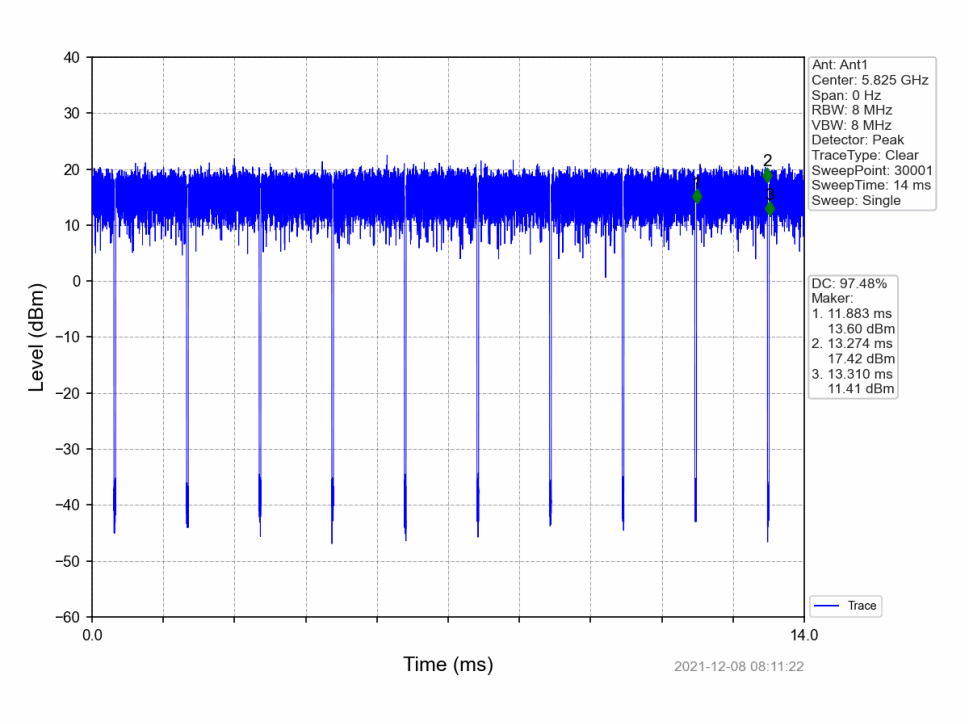
802.11a_LCH_5745MHz_Ant1_NTNV



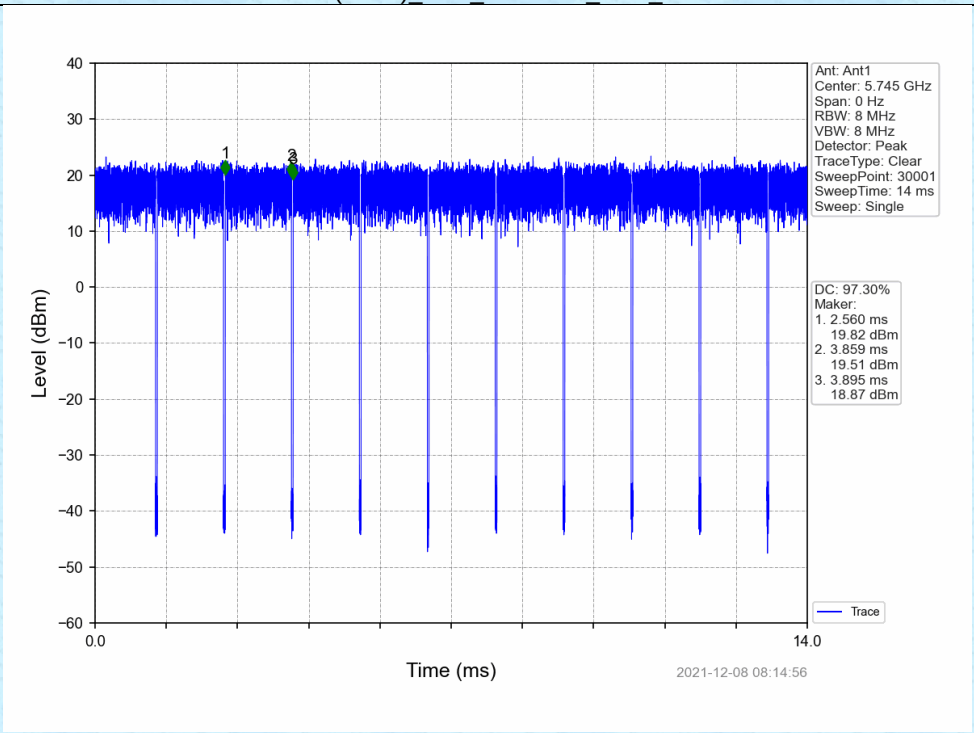
802.11a_MCH_5785MHz_Ant1_NTNV



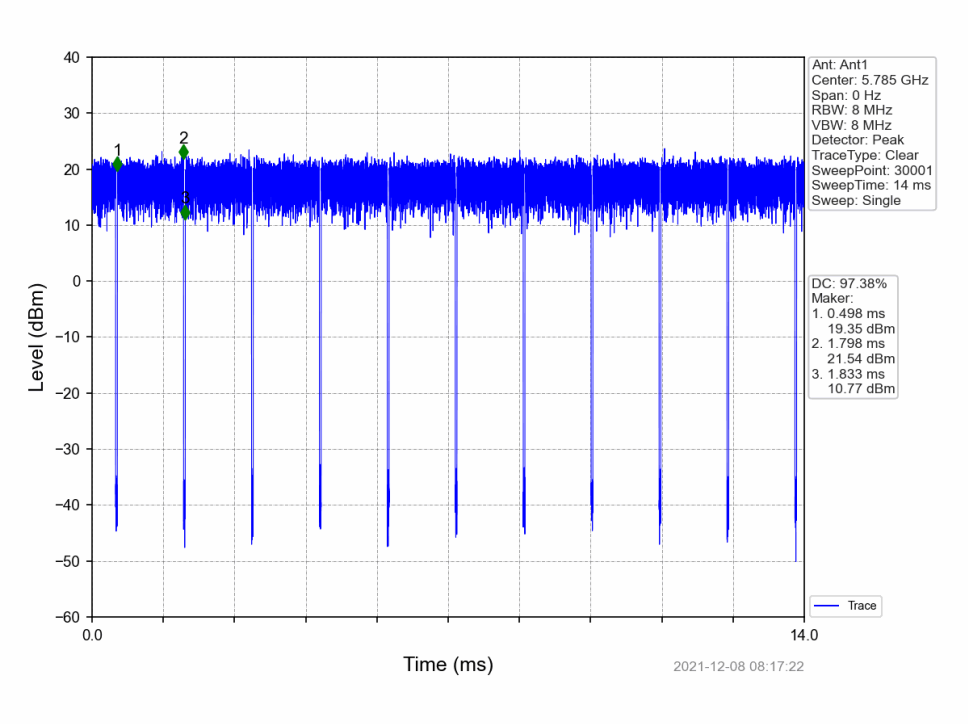
802.11a_HCH_5825MHz_Ant1_NTNV



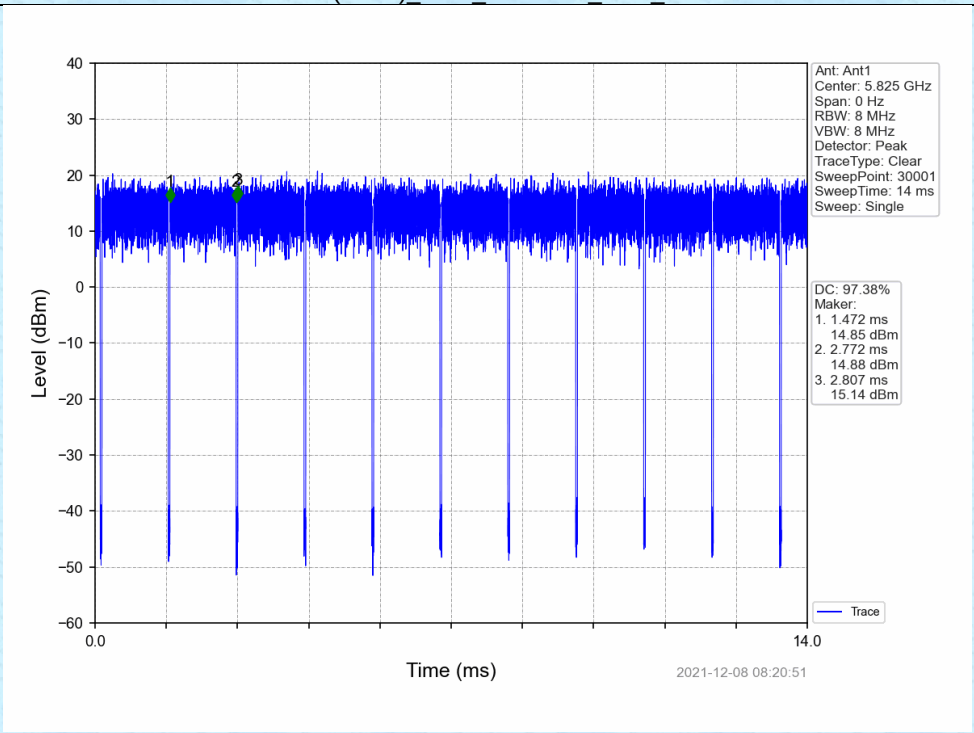
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



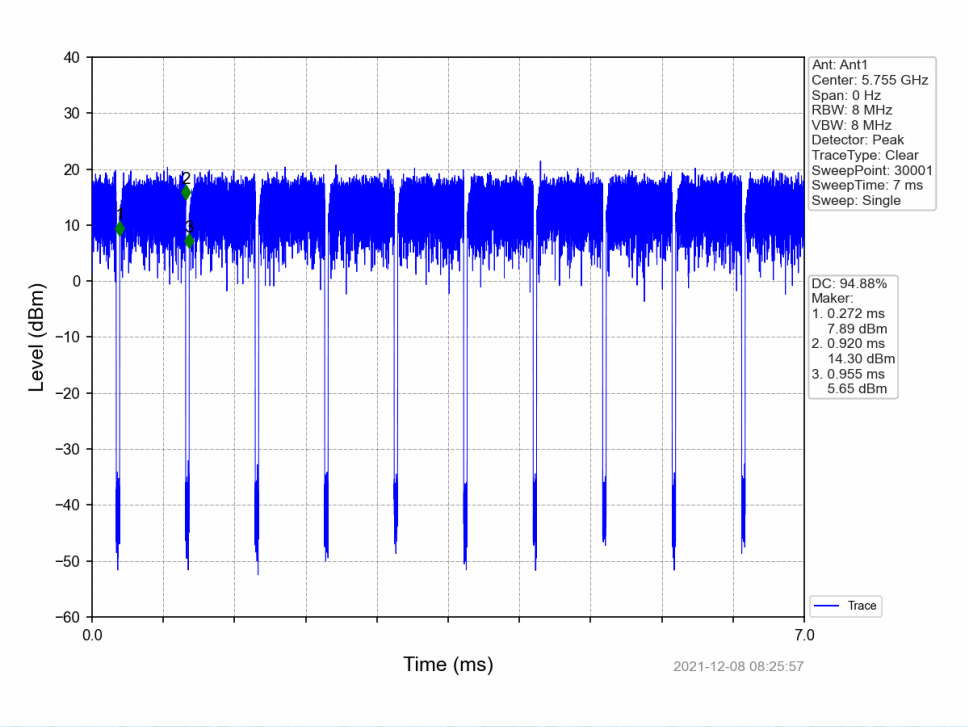
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



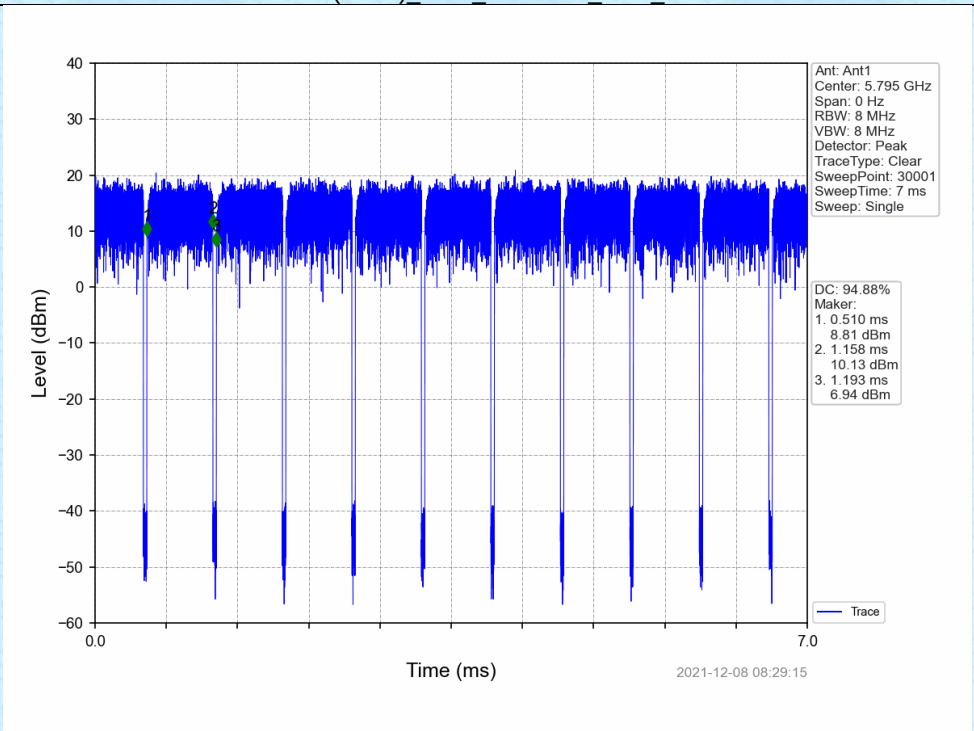
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



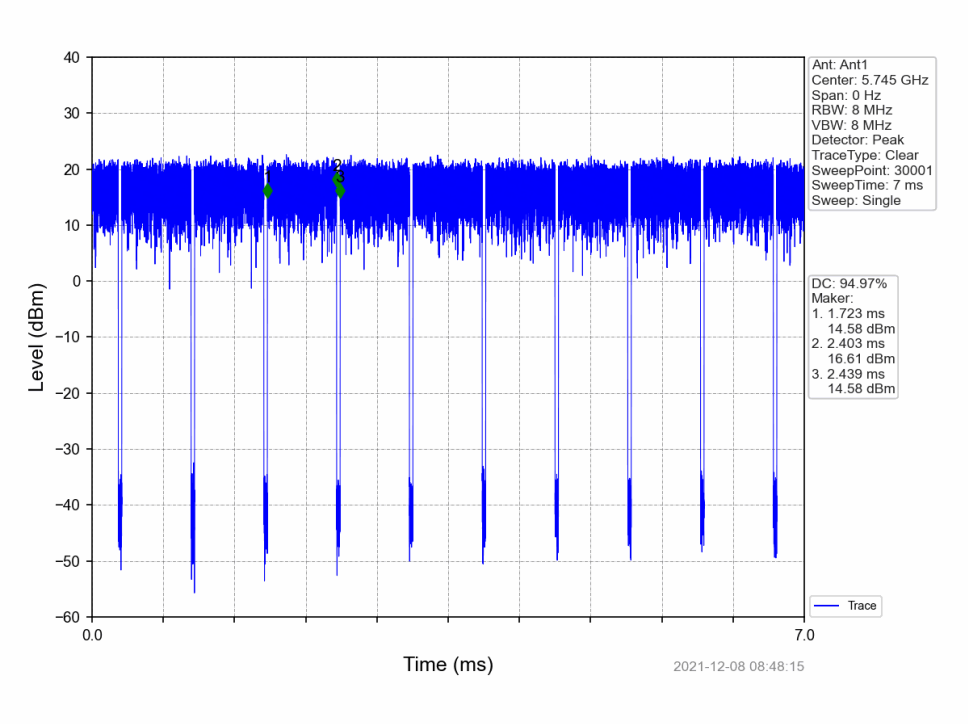
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



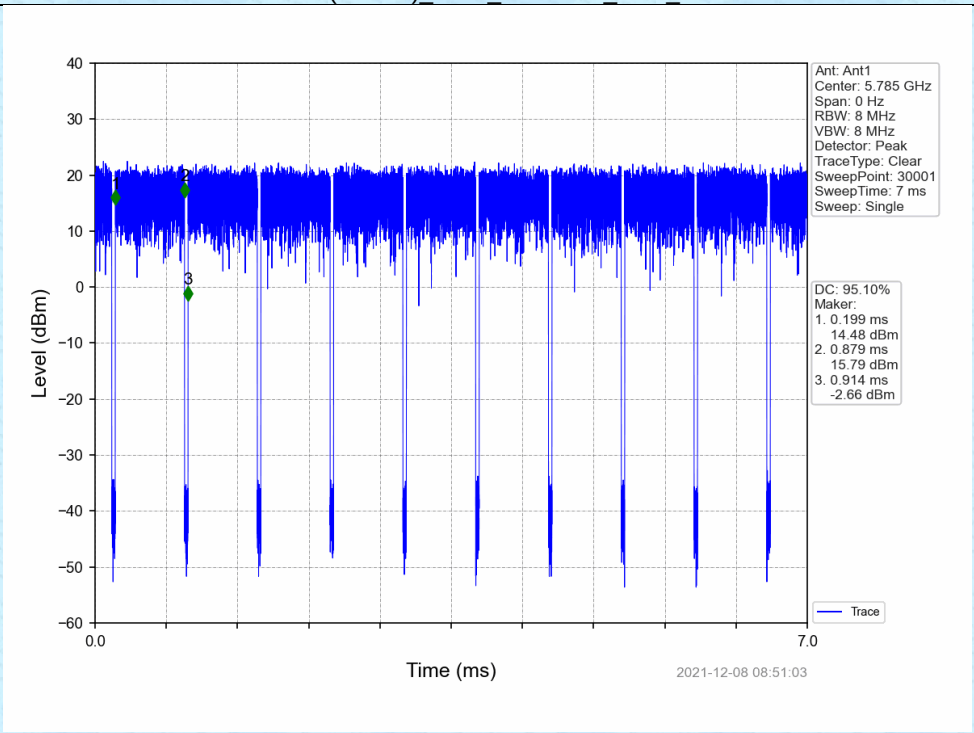
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



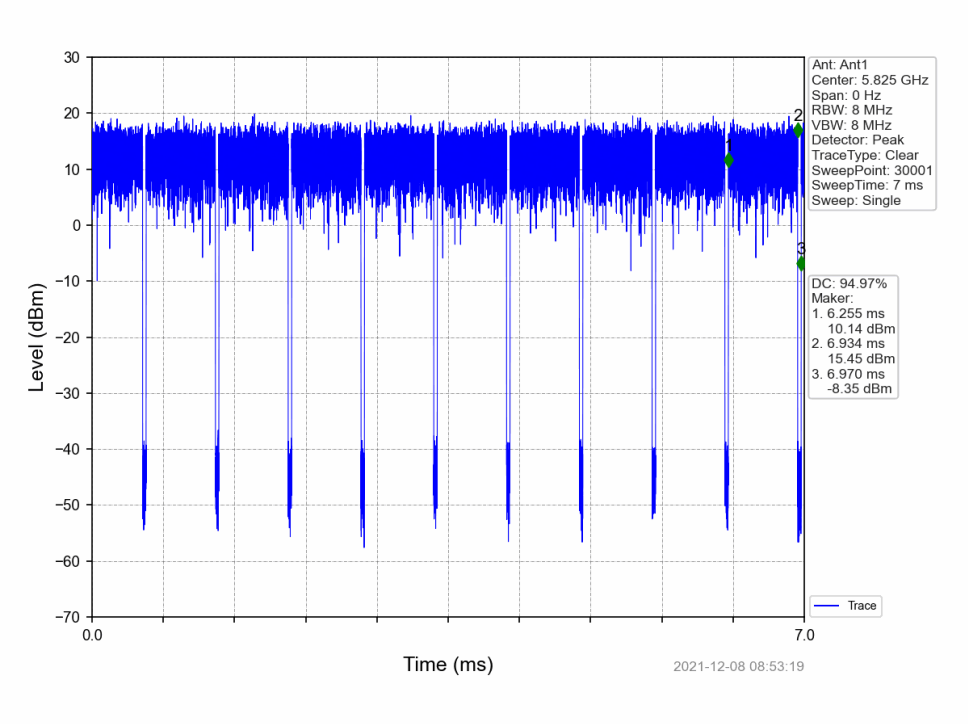
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



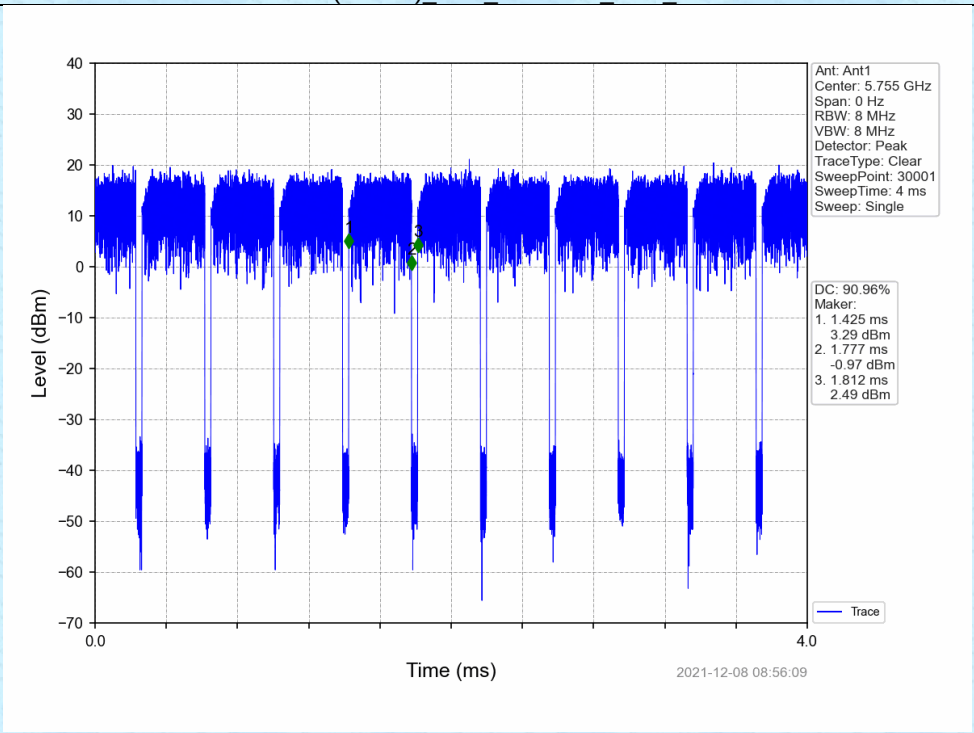
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



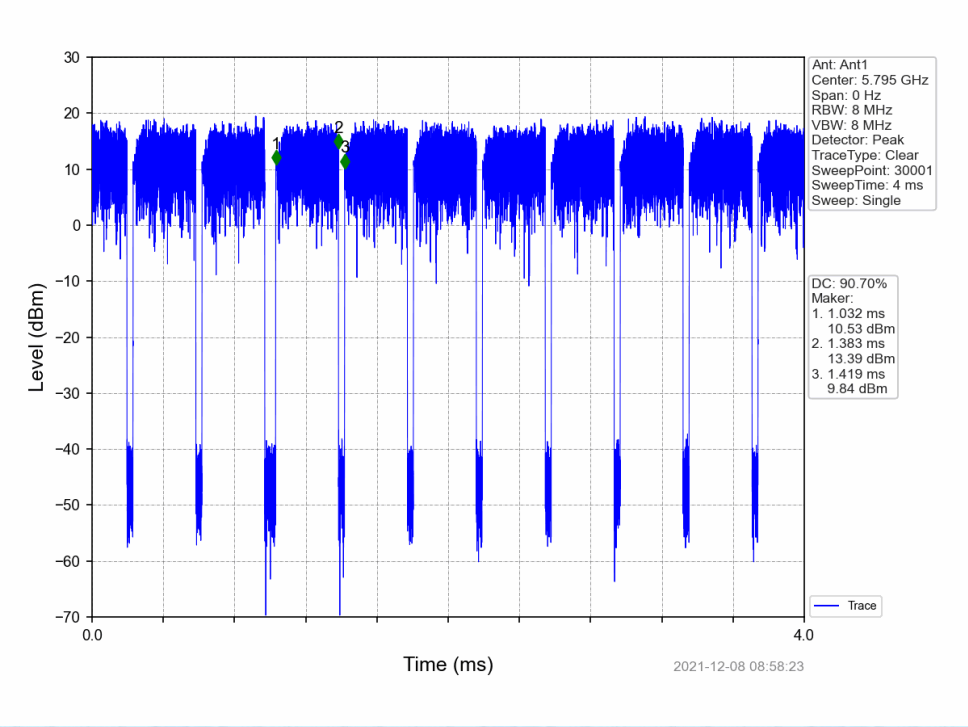
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



2. Bandwidth

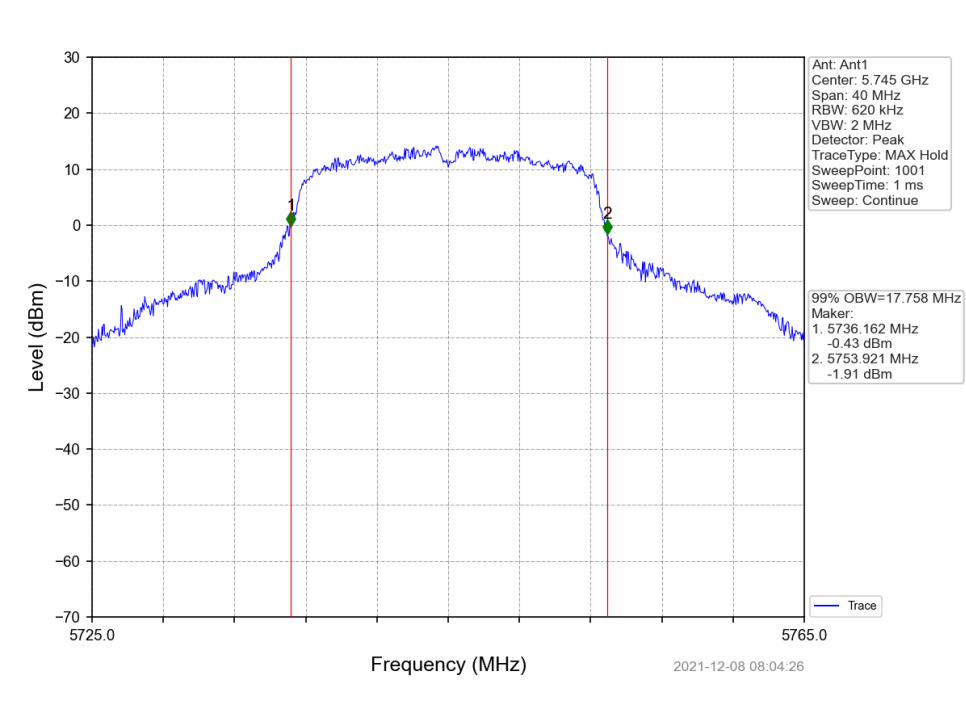
2.1 OBW

2.1.1 Test Result

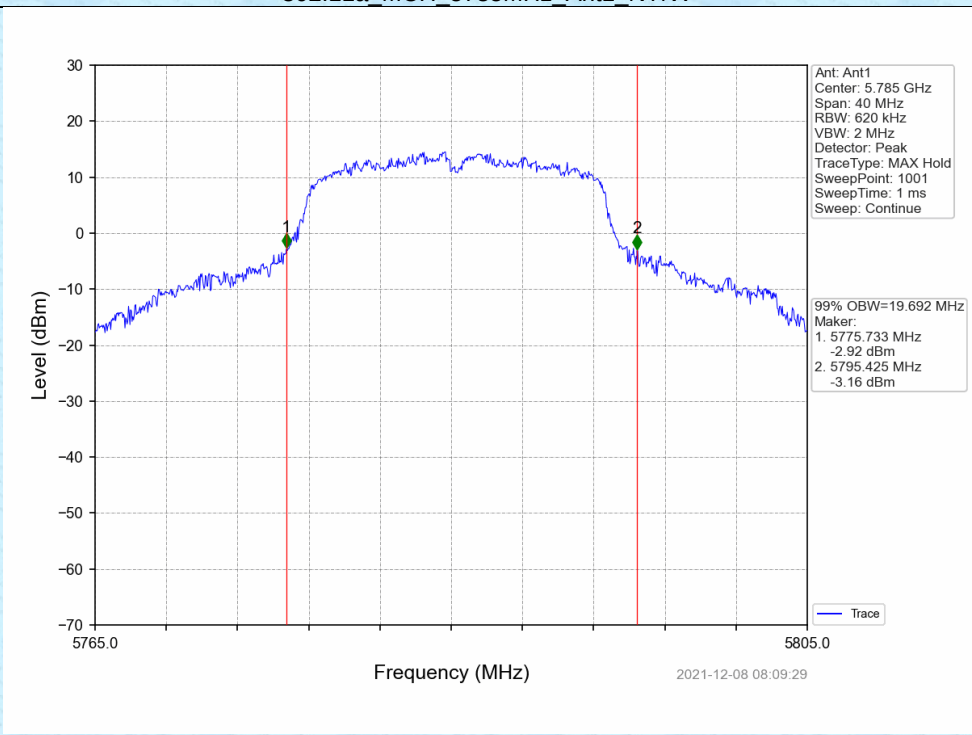
Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz) Result	Verdict
802.11a	SISO	5745	1	17.758	Pass
		5785	1	19.692	Pass
		5825	1	17.017	Pass
802.11n (HT20)	SISO	5745	1	18.777	Pass
		5785	1	18.945	Pass
		5825	1	17.806	Pass
802.11n (HT40)	SISO	5755	1	38.021	Pass
		5795	1	38.292	Pass
802.11ac (VHT20)	SISO	5745	1	18.282	Pass
		5785	1	18.336	Pass
		5825	1	17.836	Pass
802.11ac (VHT40)	SISO	5755	1	37.512	Pass
		5795	1	37.568	Pass

2.1.2 Test Graph

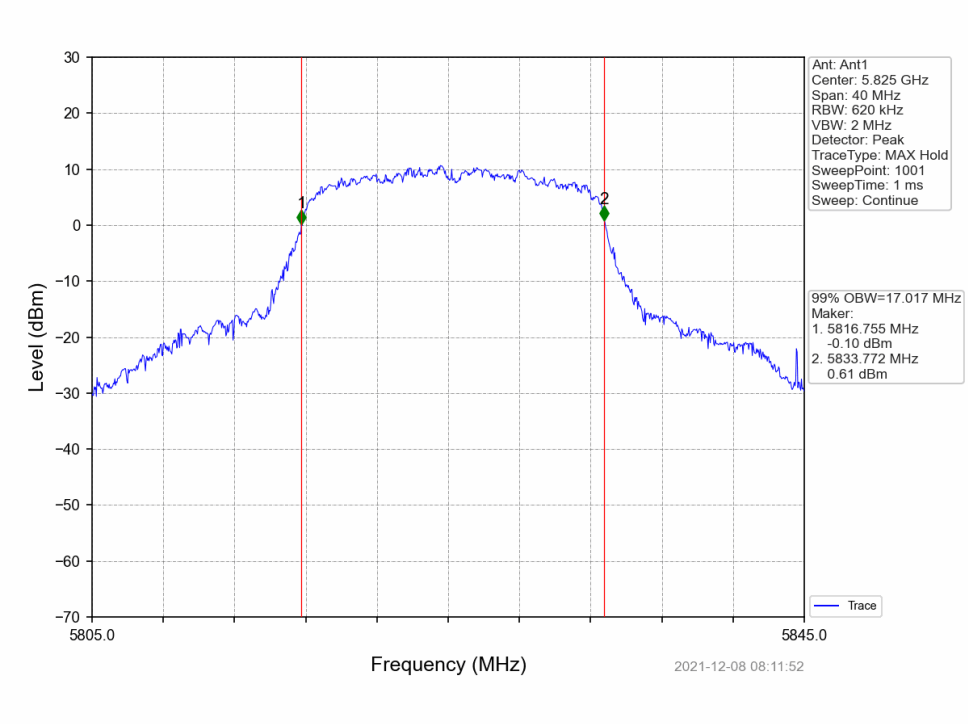
802.11a_LCH_5745MHz_Ant1_NTNV



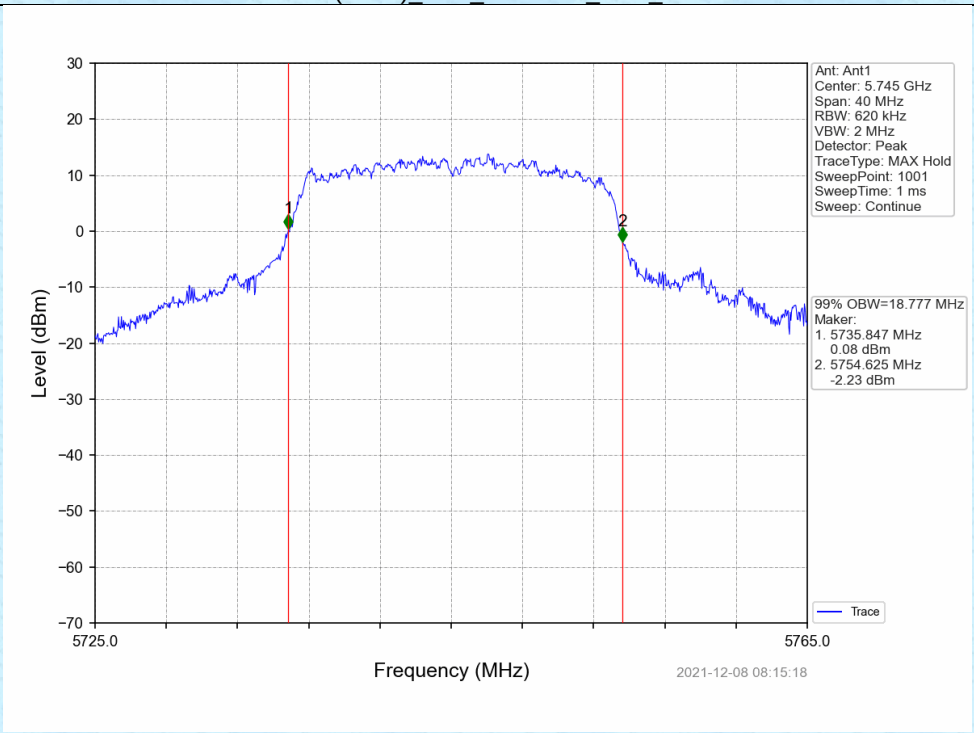
802.11a_MCH_5785MHz_Ant1_NTNV



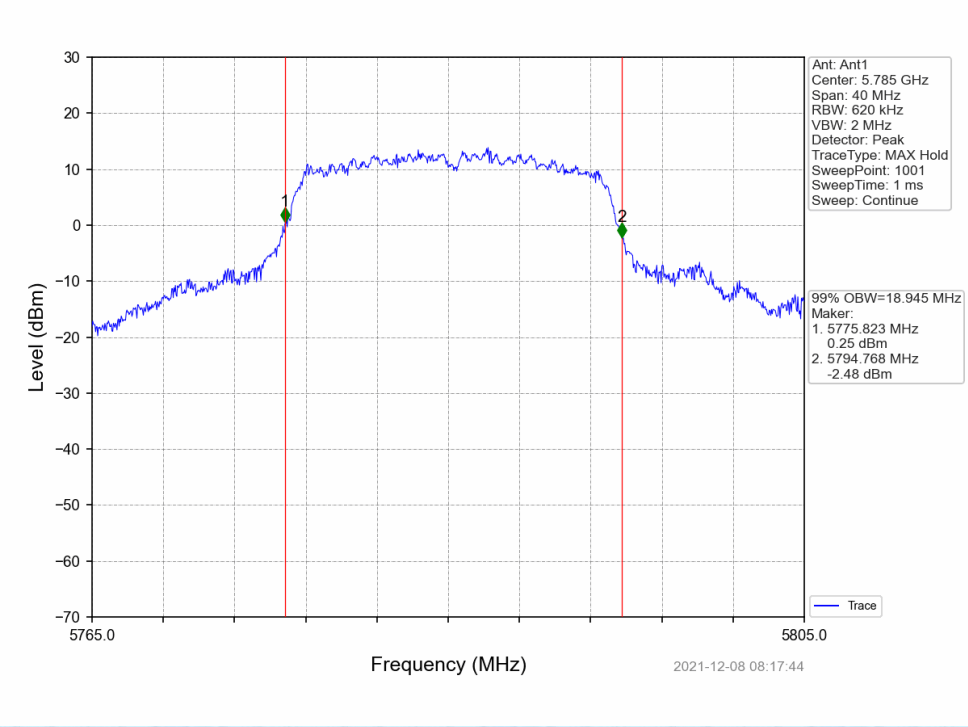
802.11a_HCH_5825MHz_Ant1_NTNV



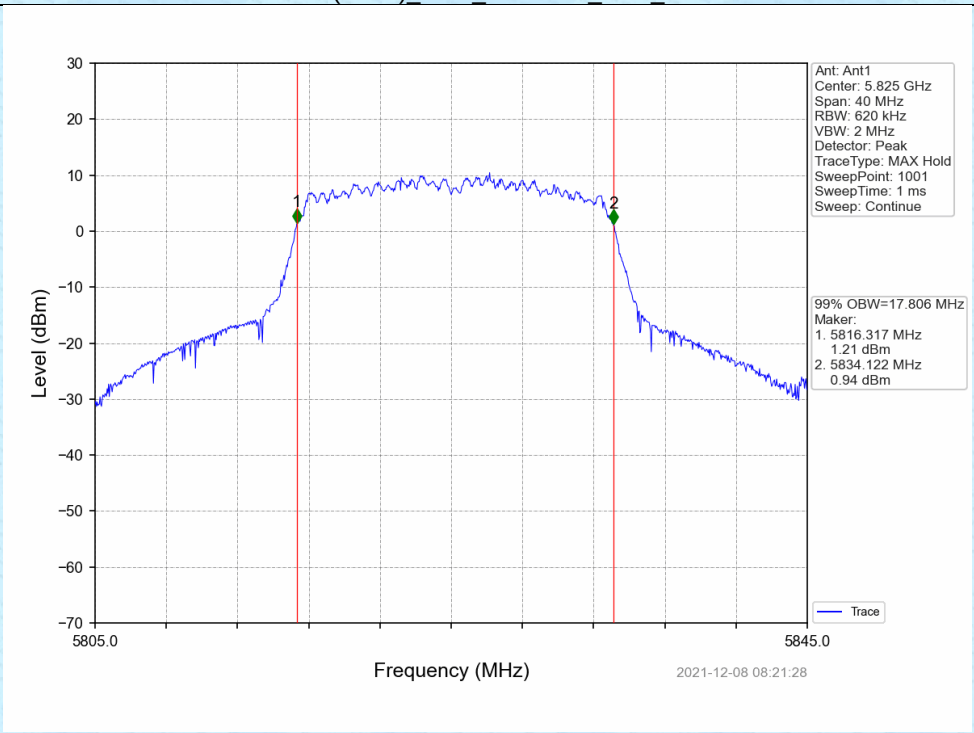
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



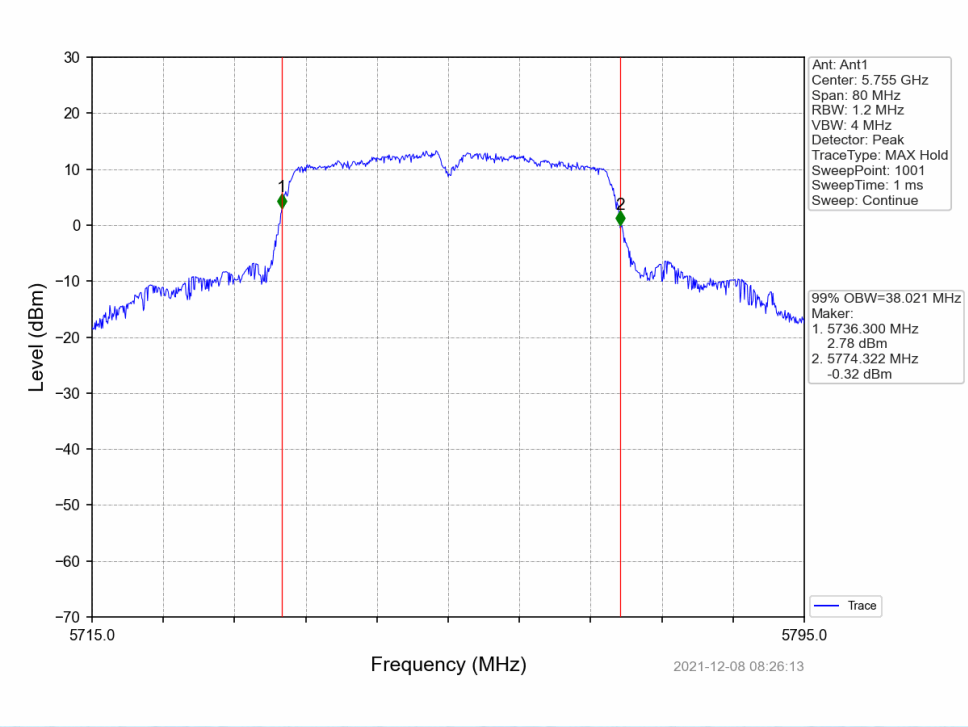
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



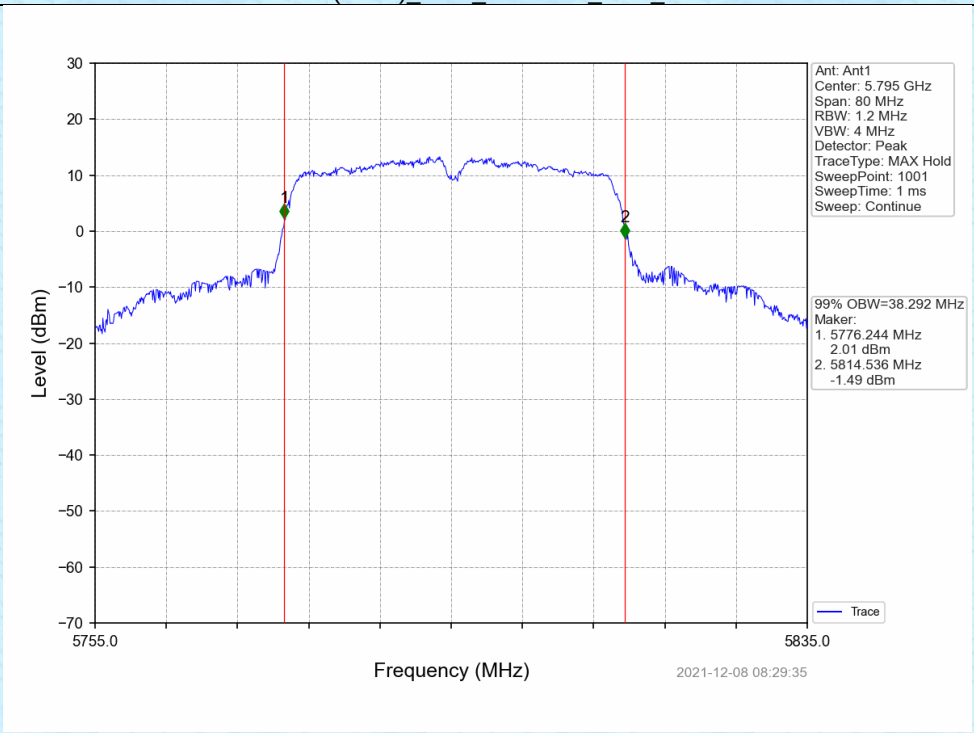
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



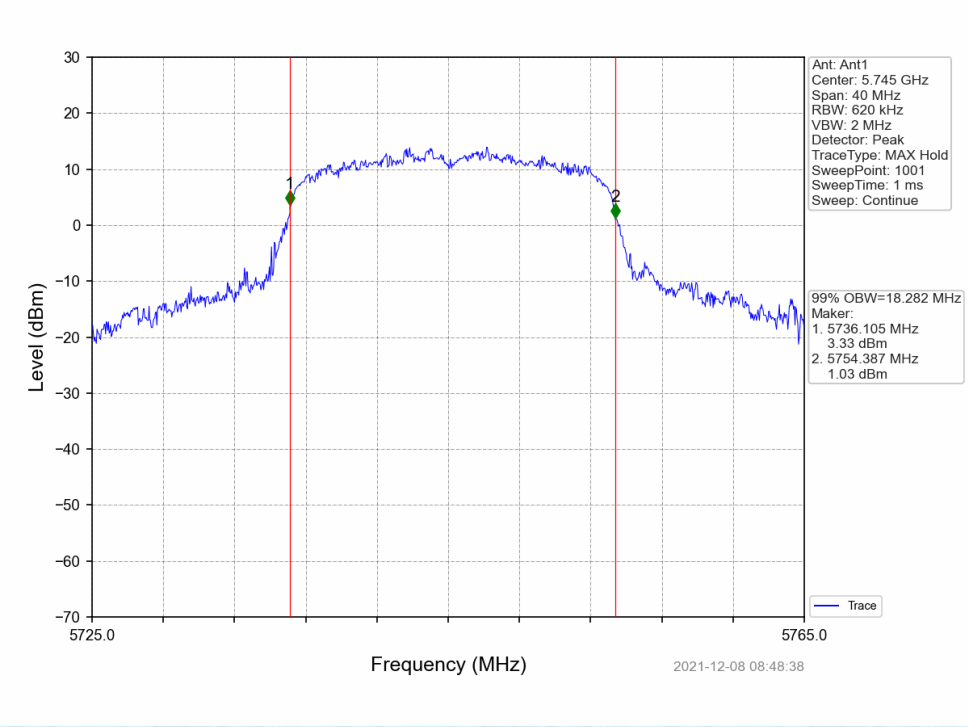
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



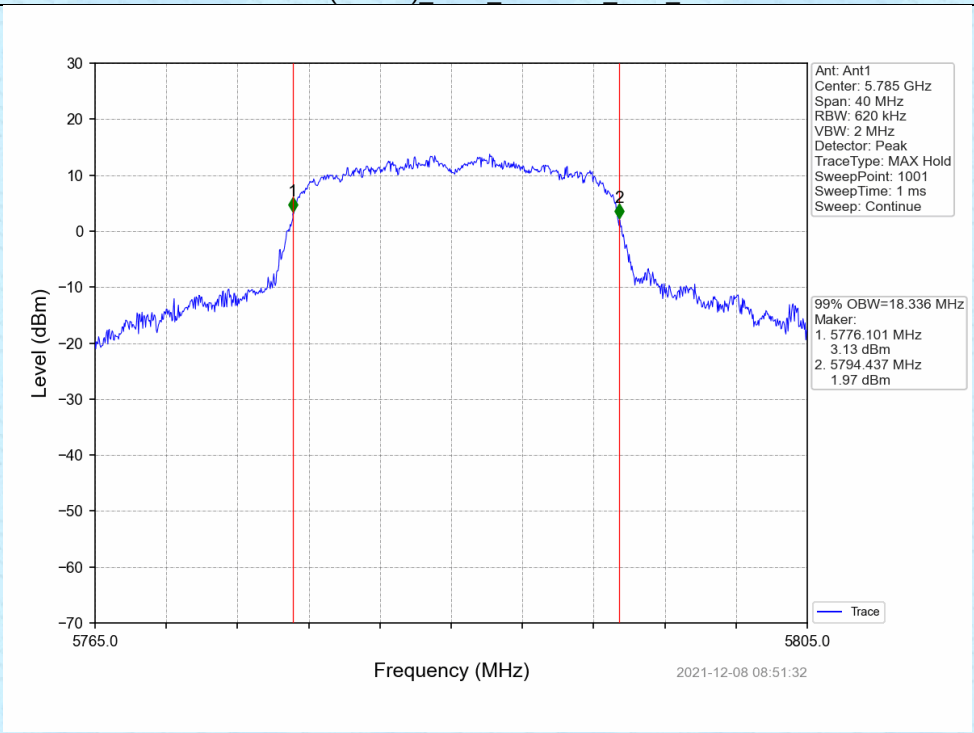
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



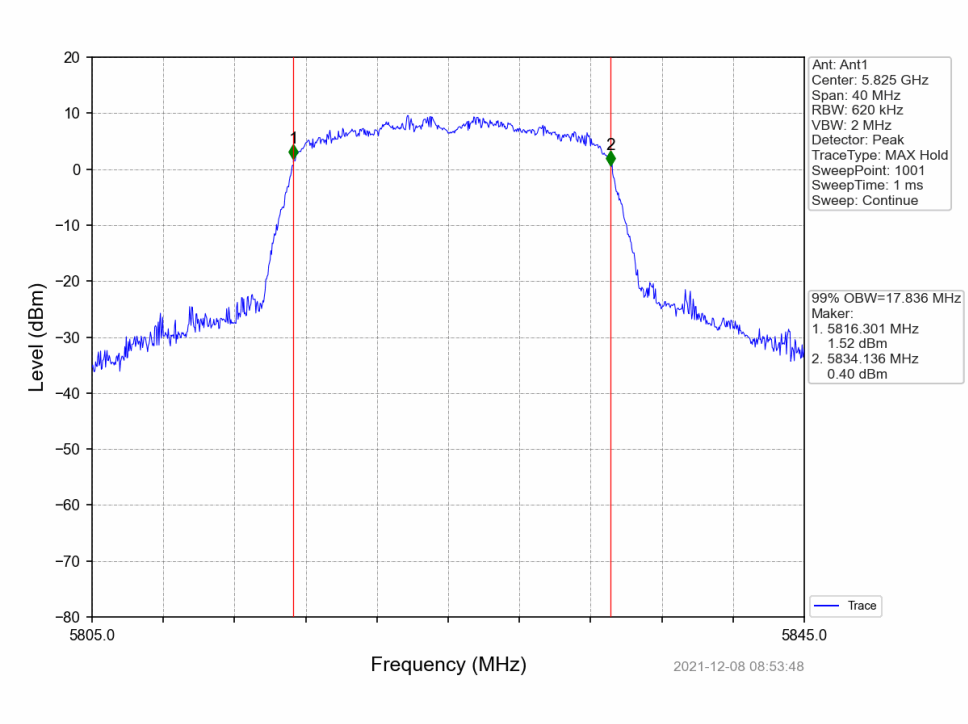
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



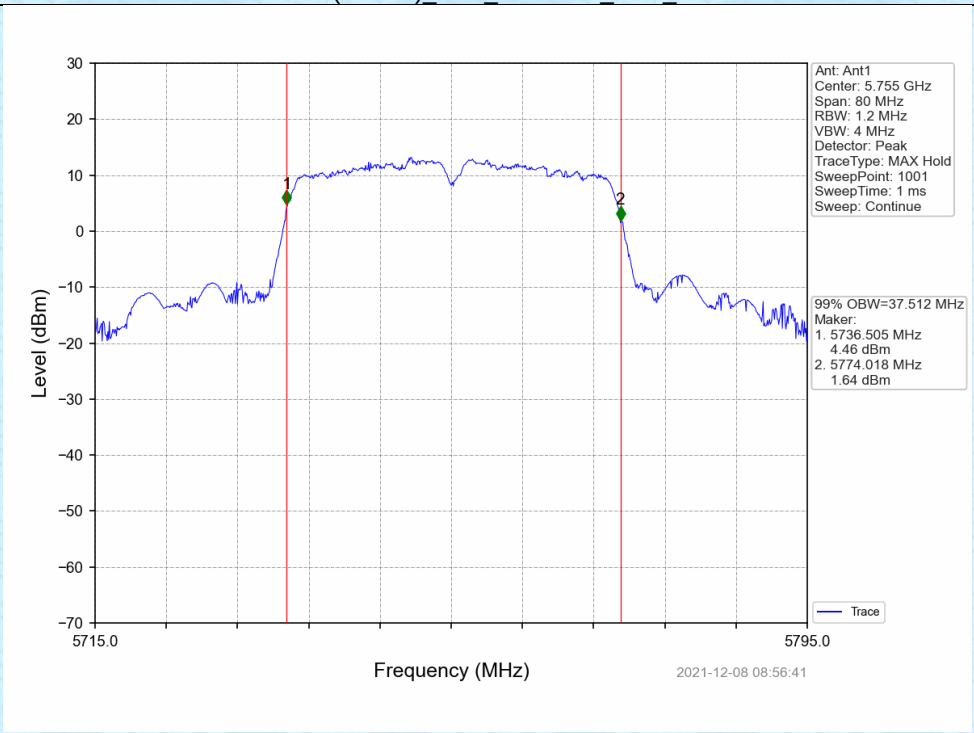
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



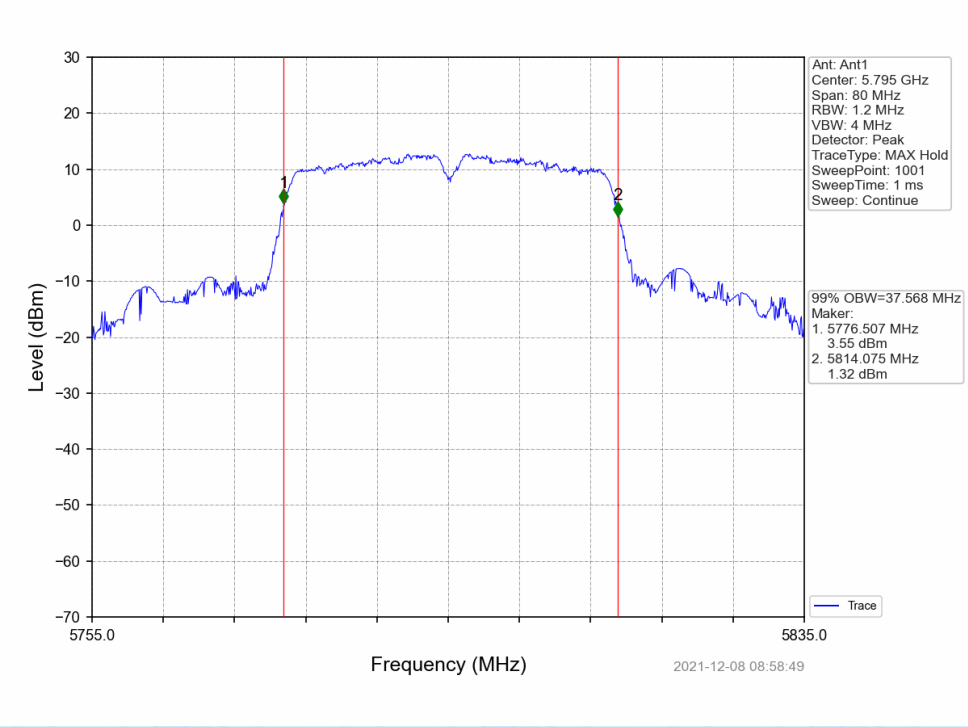
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



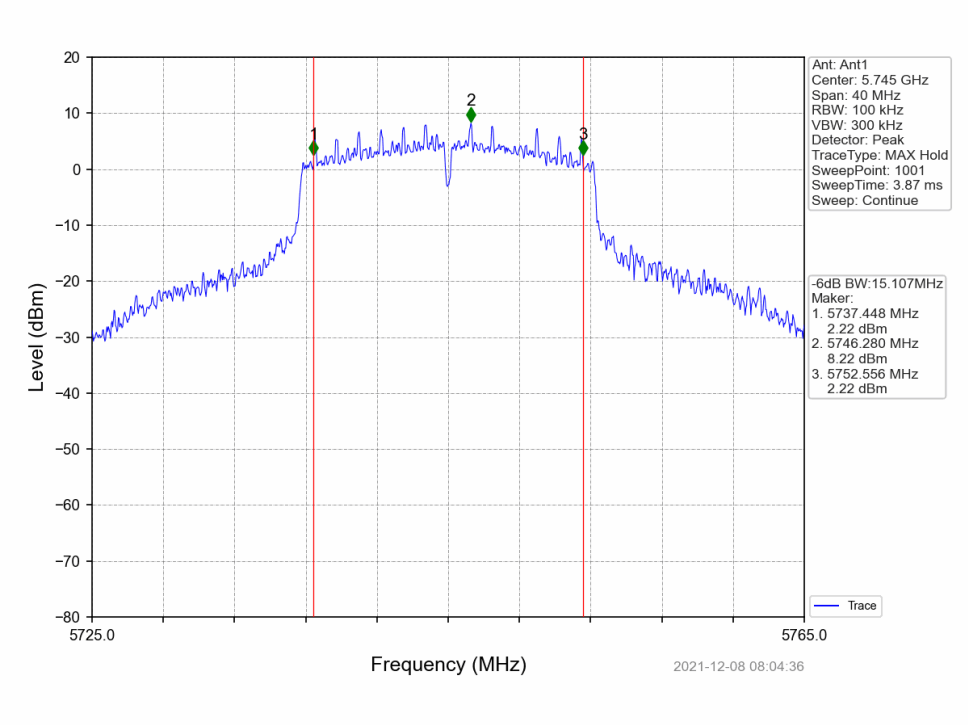
2.2 6dB BW

2.2.1 Test Result

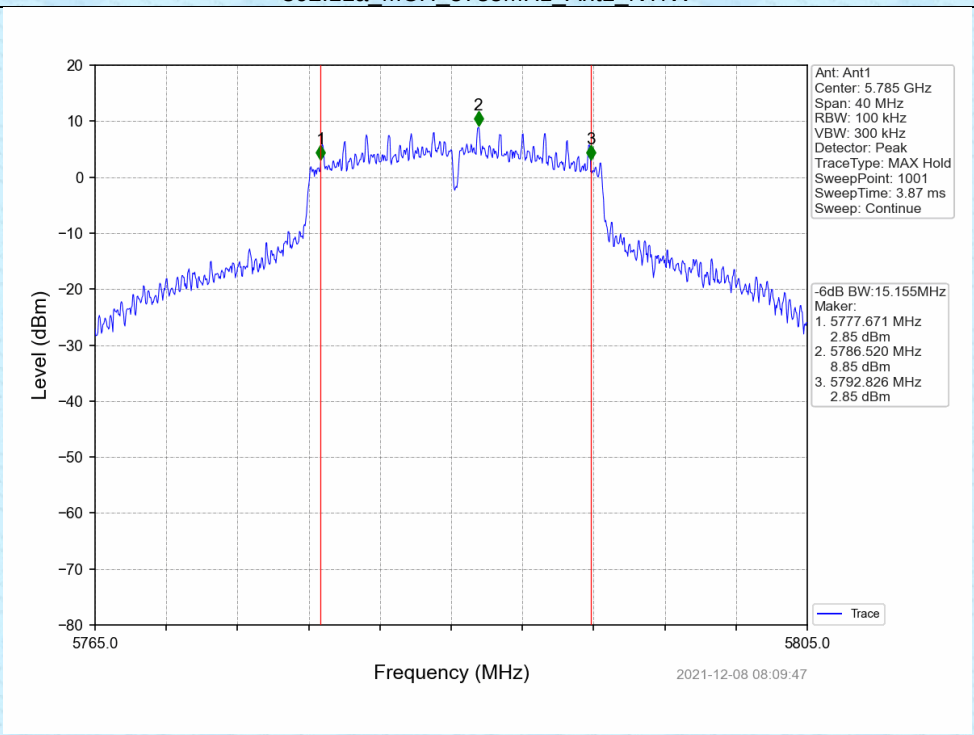
Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.107	>=0.5	Pass
		5785	1	15.155	>=0.5	Pass
		5825	1	15.167	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	15.724	>=0.5	Pass
		5785	1	15.740	>=0.5	Pass
		5825	1	16.325	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.170	>=0.5	Pass
		5795	1	35.377	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	15.157	>=0.5	Pass
		5785	1	15.155	>=0.5	Pass
		5825	1	15.161	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.163	>=0.5	Pass
		5795	1	35.159	>=0.5	Pass

2.2.2 Test Graph

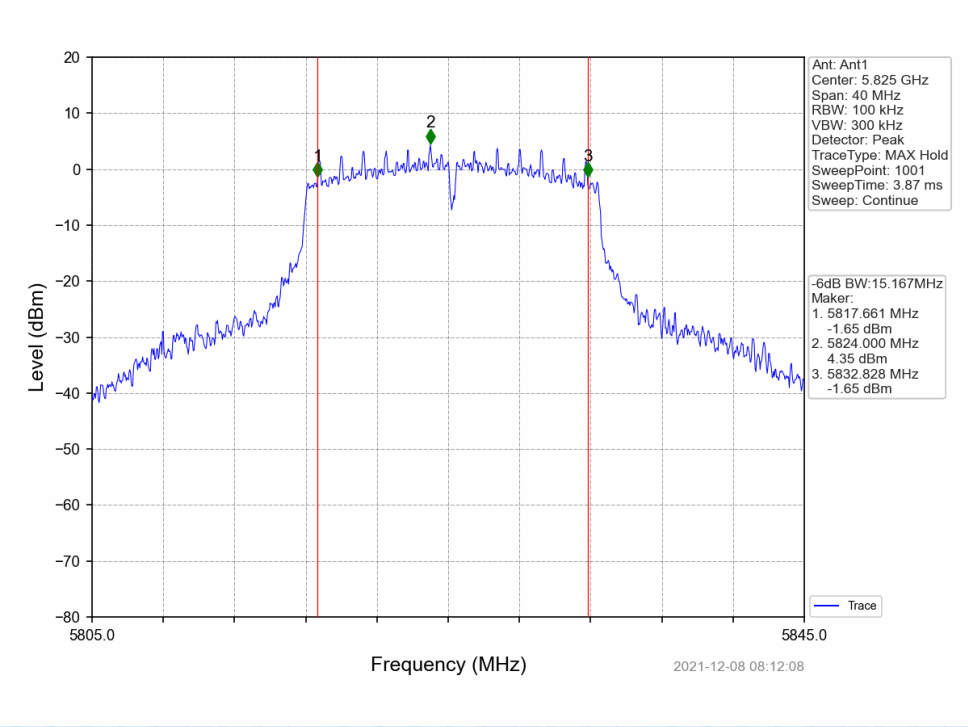
802.11a_LCH_5745MHz_Ant1_NTNV



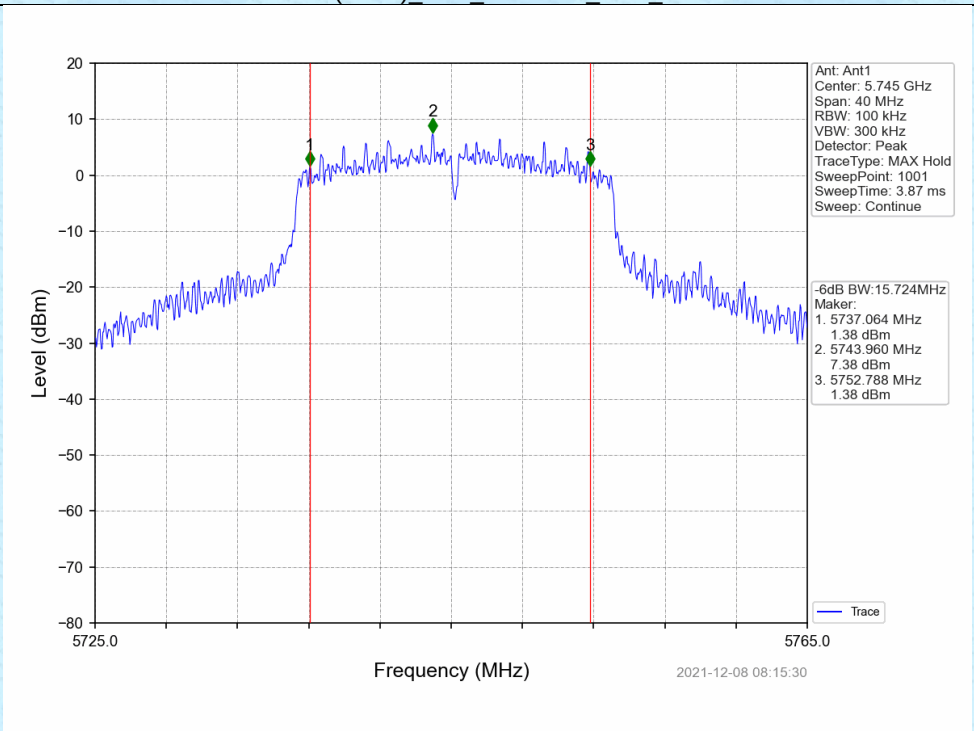
802.11a_MCH_5785MHz_Ant1_NTNV



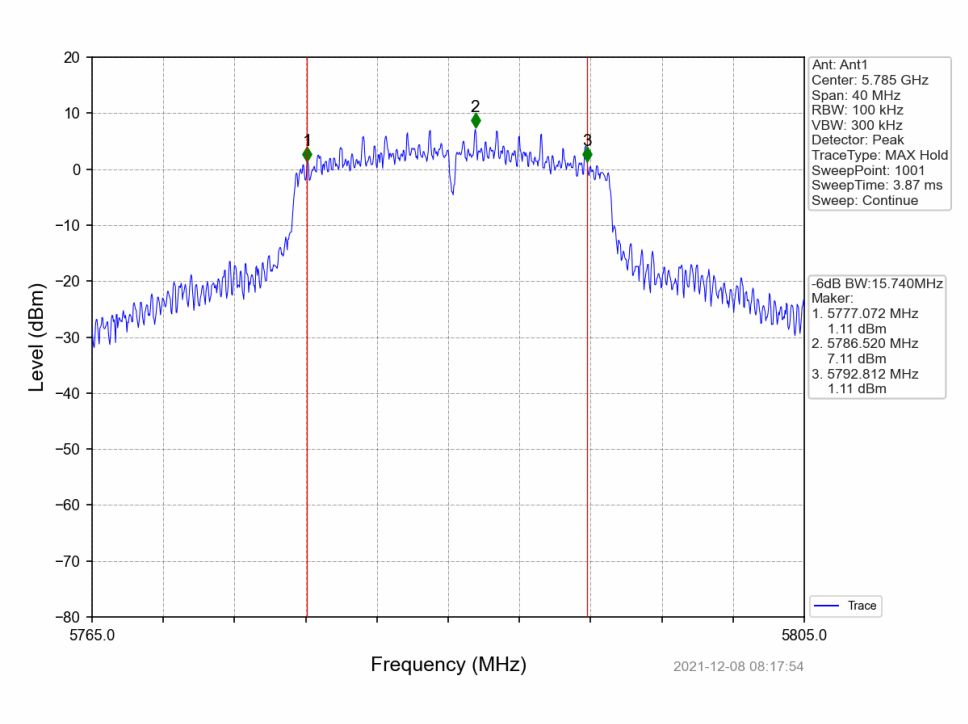
802.11a_HCH_5825MHz_Ant1_NTNV



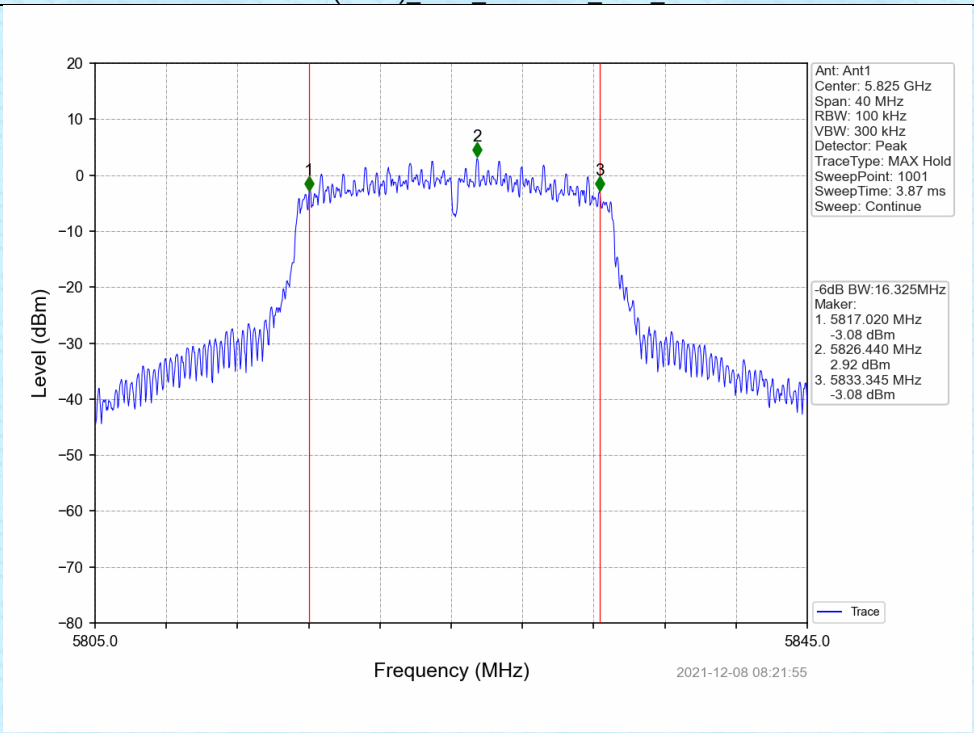
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



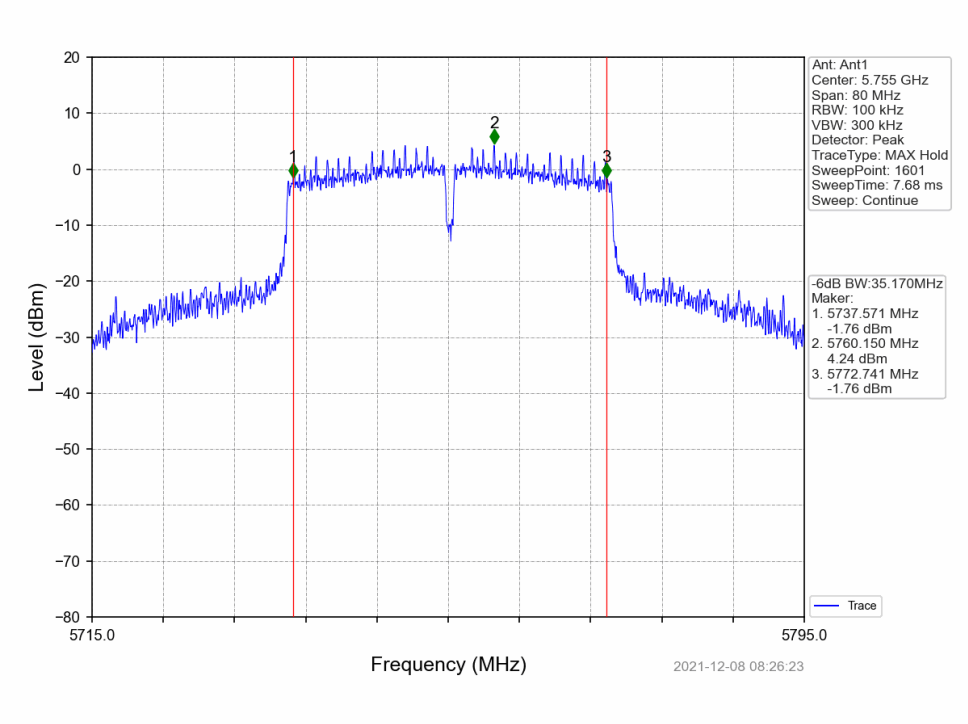
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



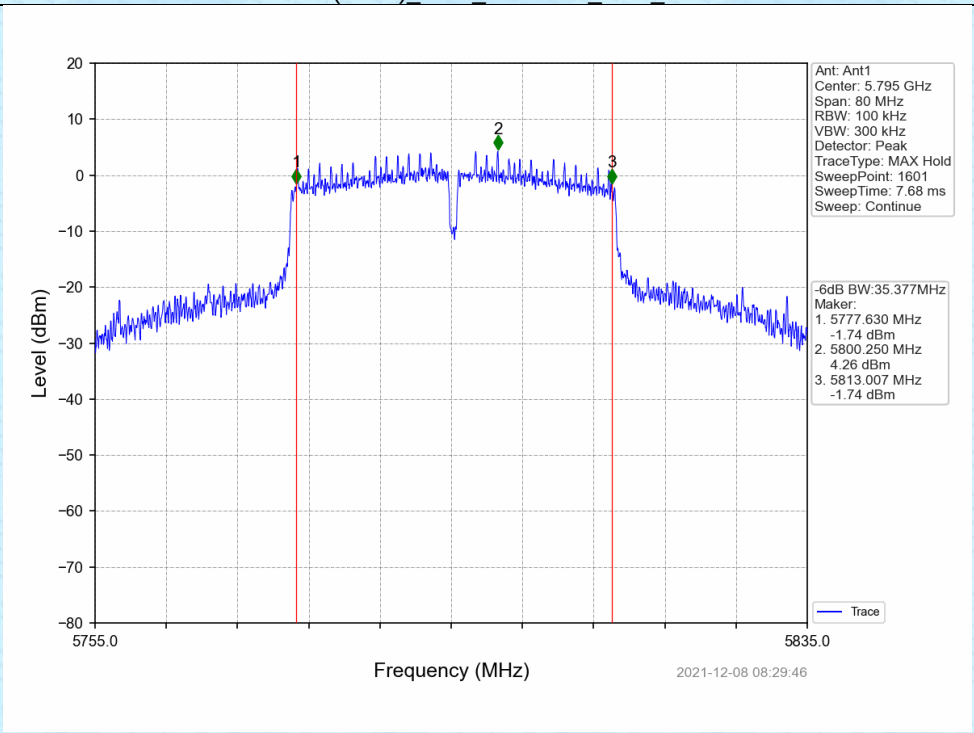
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



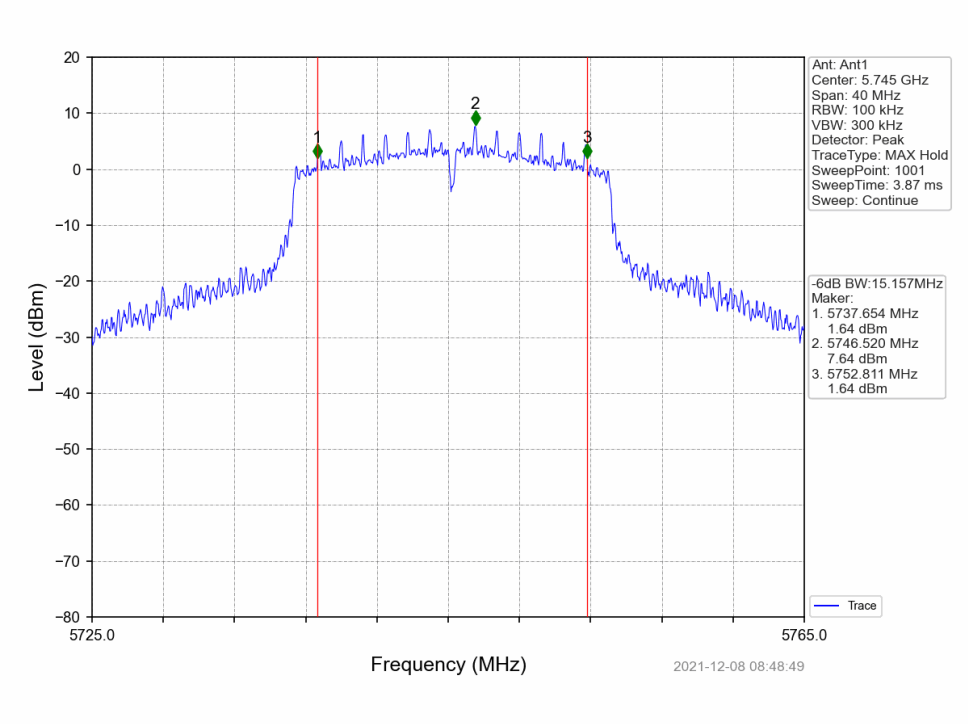
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



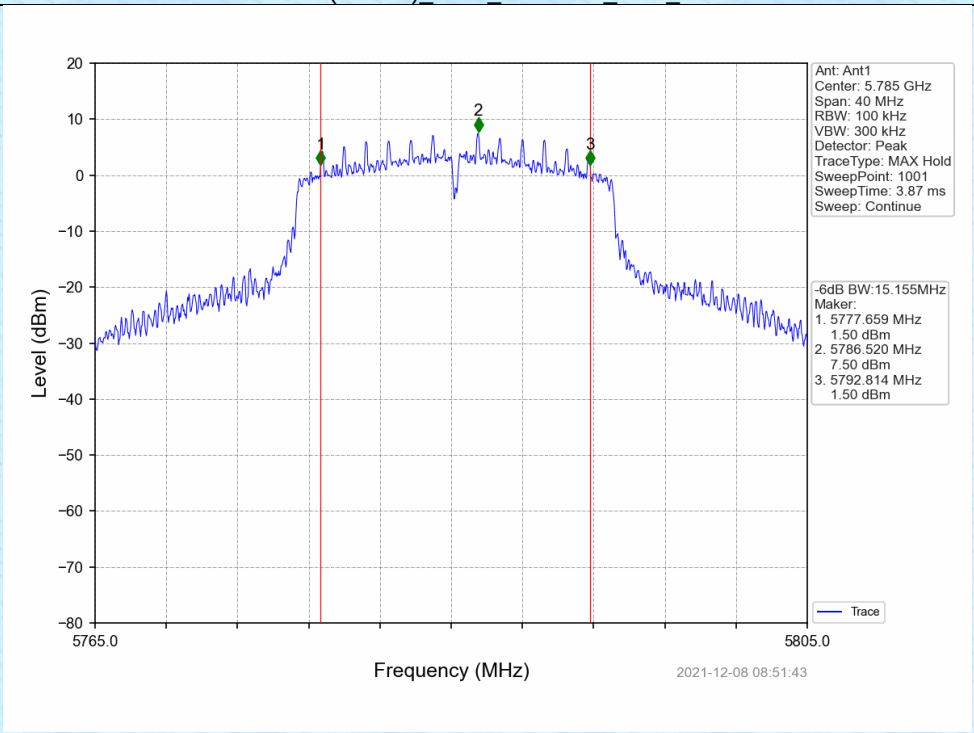
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



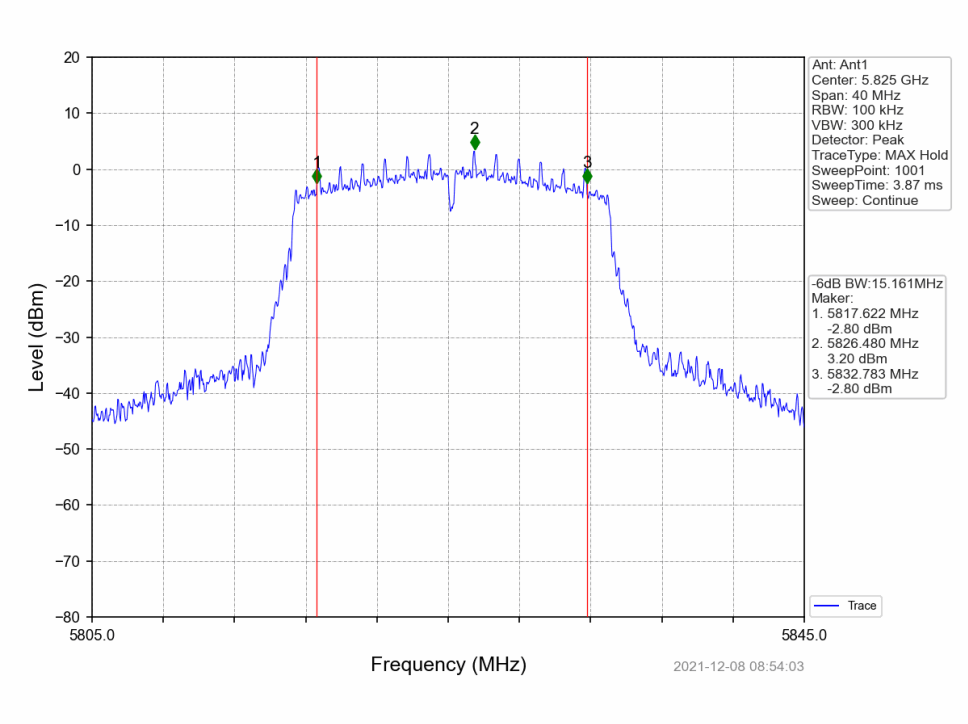
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



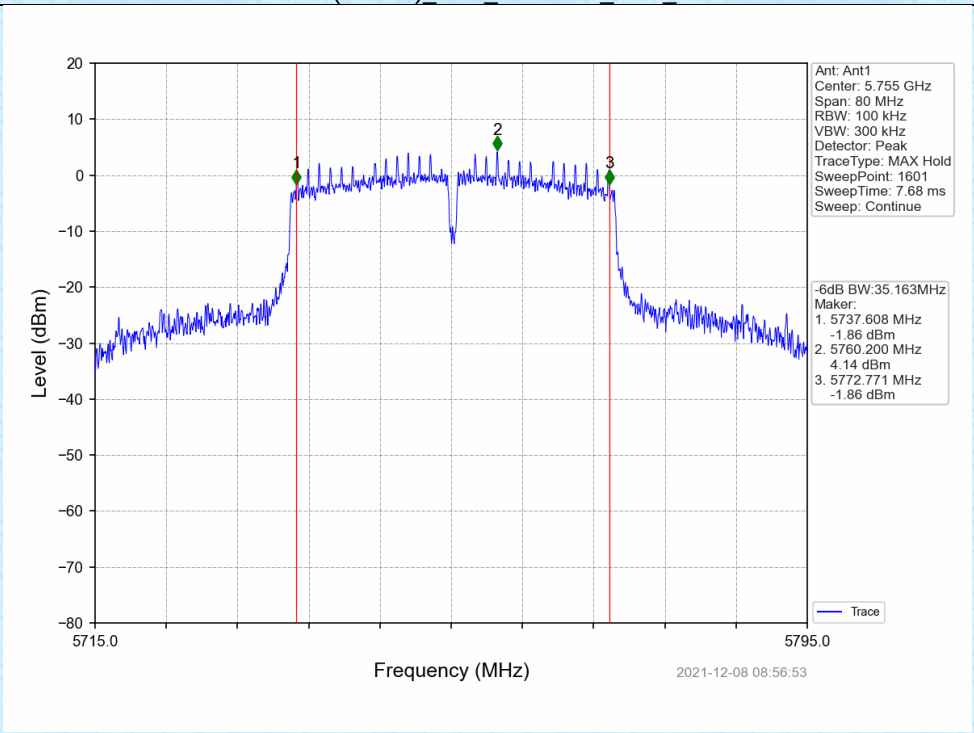
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



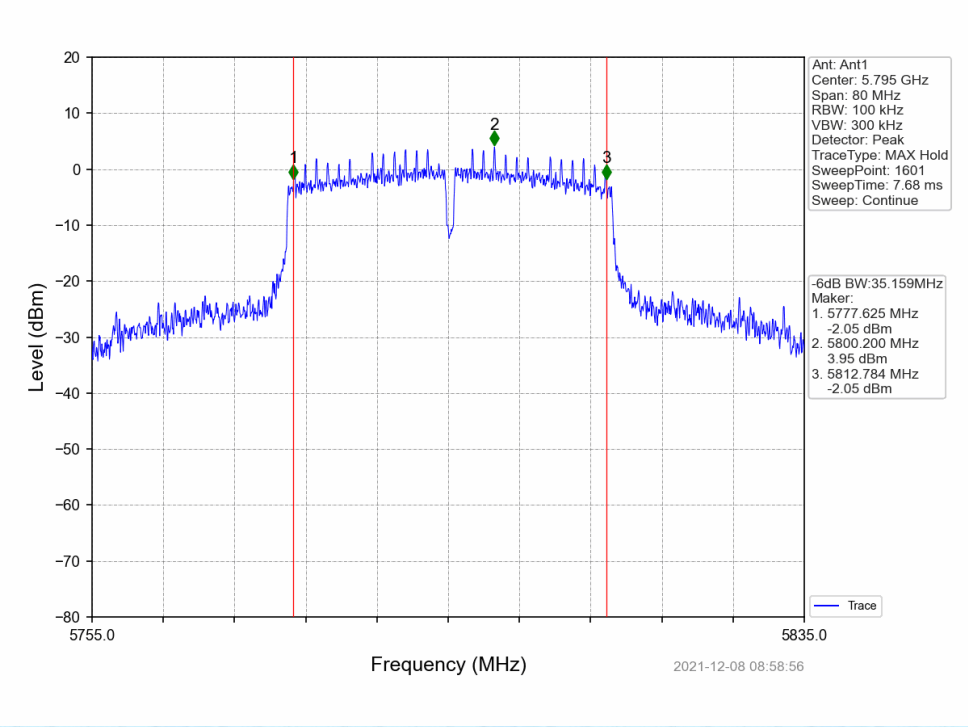
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11a	SISO	5745	18.36	<=30	Pass
		5785	18.67	<=30	Pass
		5825	14.84	<=30	Pass
802.11n (HT20)	SISO	5745	17.56	<=30	Pass
		5785	17.34	<=30	Pass
		5825	13.32	<=30	Pass
802.11n (HT40)	SISO	5755	17.65	<=30	Pass
		5795	17.57	<=30	Pass
802.11ac (VHT20)	SISO	5745	17.39	<=30	Pass
		5785	17.23	<=30	Pass
		5825	13.12	<=30	Pass
802.11ac (VHT40)	SISO	5755	17.21	<=30	Pass
		5795	17.07	<=30	Pass
Note1: Antenna Gain: Ant1: 0.00dBi; Test result contains DCCF					

4. Maximum Power Spectral Density

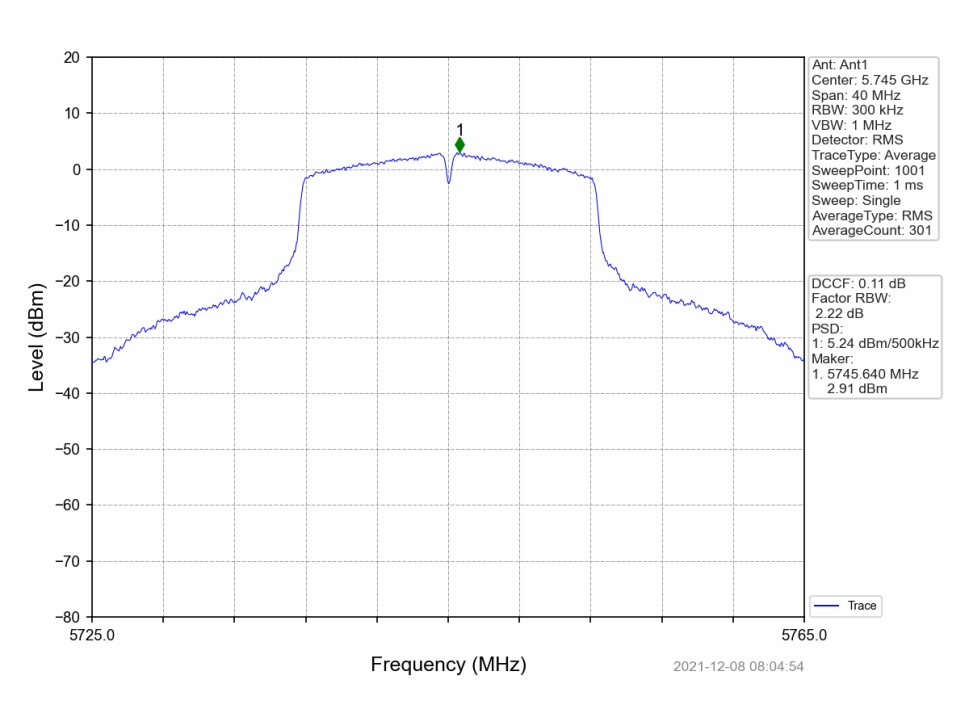
4.1 PSD-Band3

4.1.1 Test Result

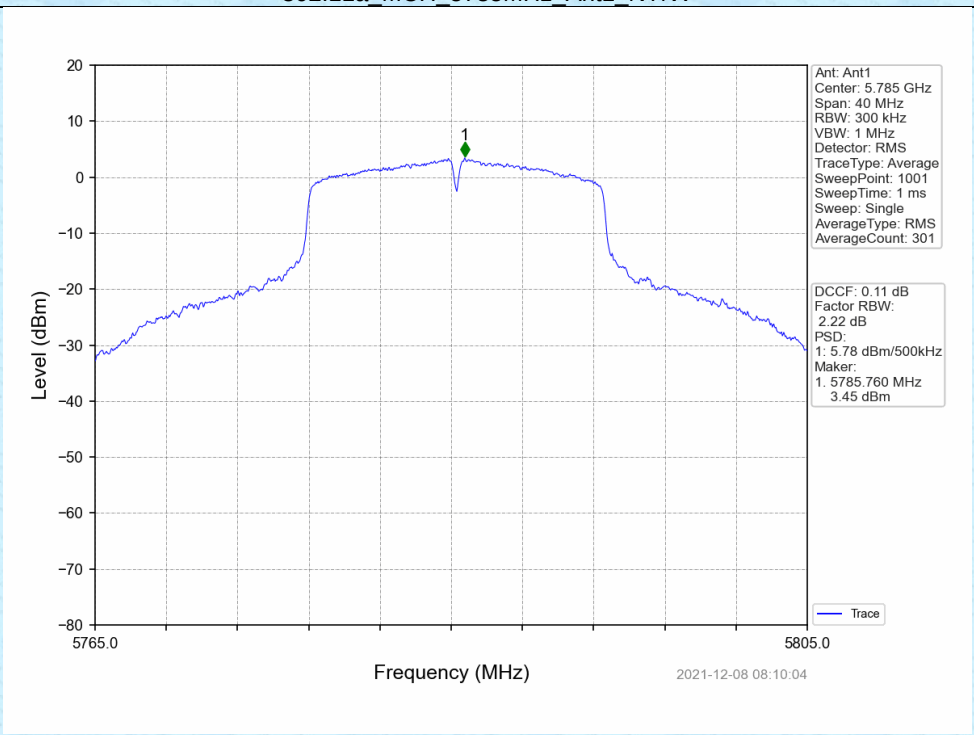
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			Ant1	Limit	
802.11a	SISO	5745	5.24	<=30	Pass
		5785	5.78	<=30	Pass
		5825	1.85	<=30	Pass
802.11n (HT20)	SISO	5745	4.67	<=30	Pass
		5785	4.15	<=30	Pass
		5825	0.44	<=30	Pass
802.11n (HT40)	SISO	5755	0.92	<=30	Pass
		5795	0.85	<=30	Pass
802.11ac (VHT20)	SISO	5745	4.27	<=30	Pass
		5785	3.84	<=30	Pass
		5825	-0.30	<=30	Pass
802.11ac (VHT40)	SISO	5755	0.58	<=30	Pass
		5795	0.40	<=30	Pass
Note1: Antenna Gain: Ant1: 0.00dBi; Test result contains DCCF and RBW factor					

4.1.2 Test Graph

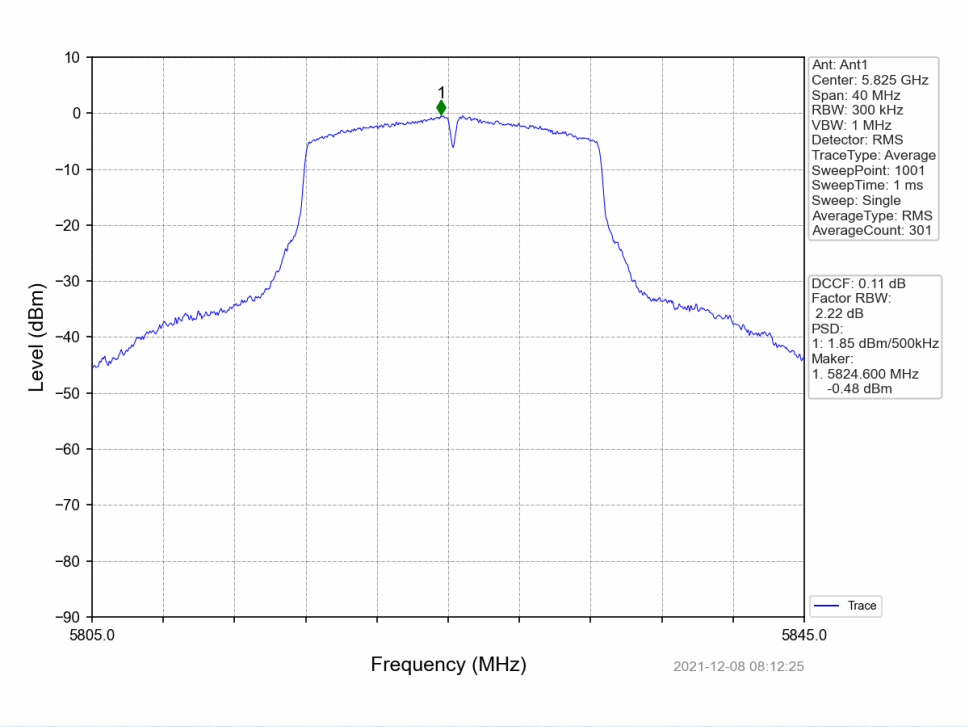
802.11a_LCH_5745MHz_Ant1_NTNV



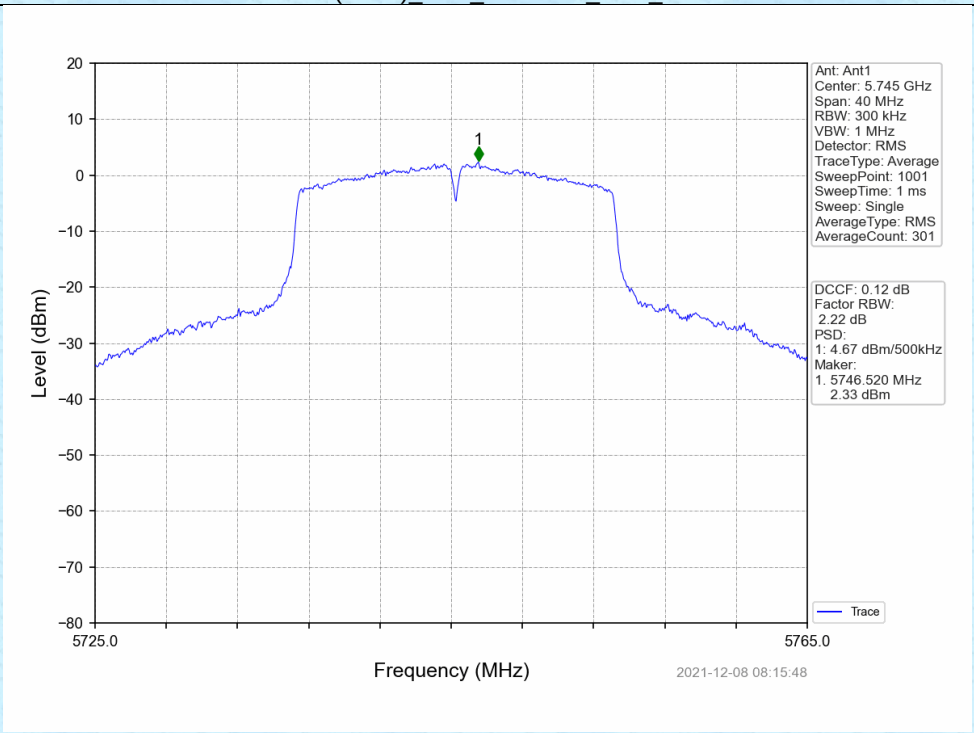
802.11a_MCH_5785MHz_Ant1_NTNV



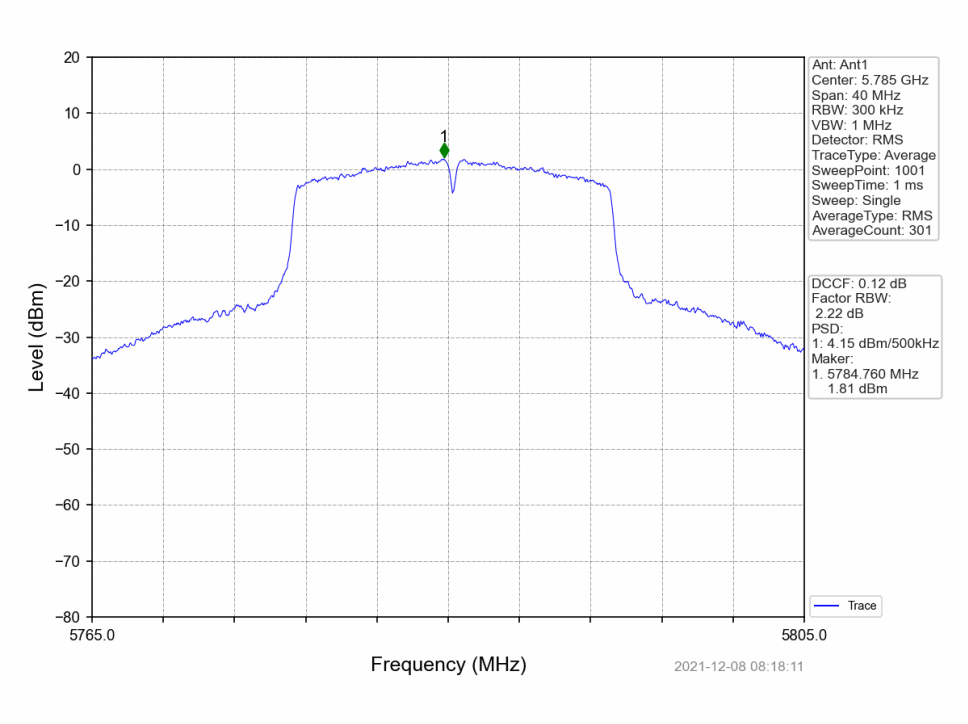
802.11a_HCH_5825MHz_Ant1_NTNV



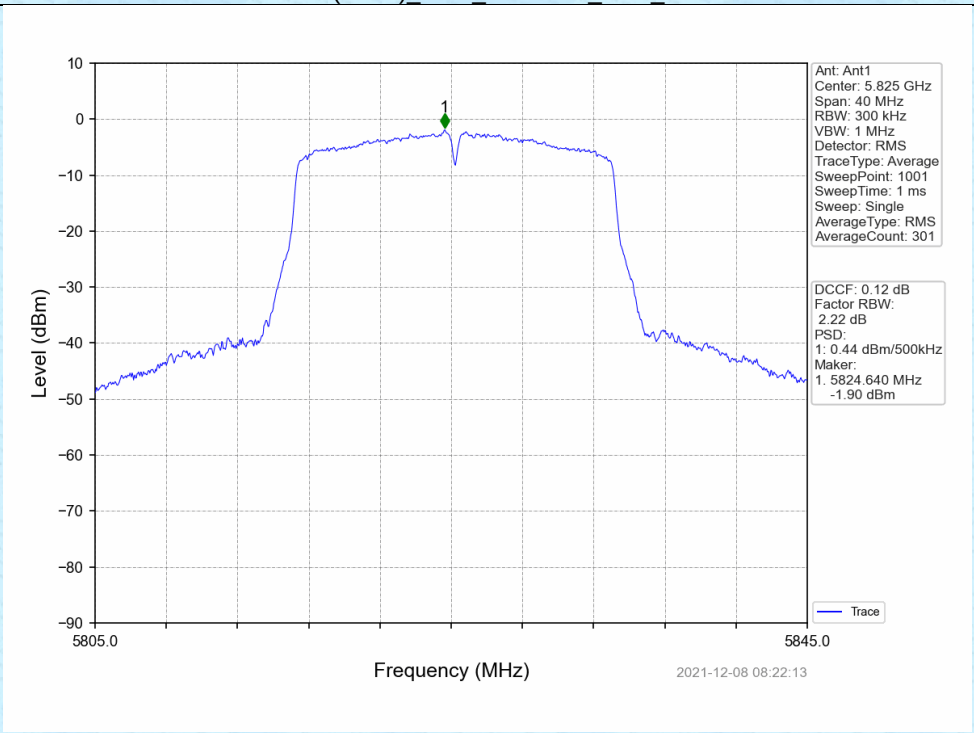
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



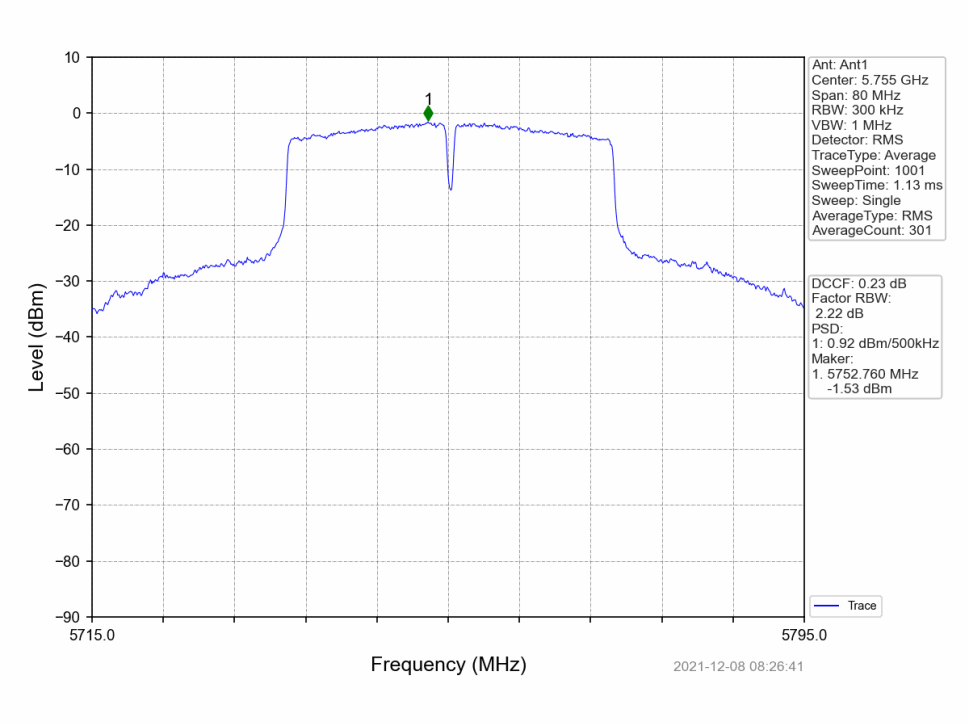
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



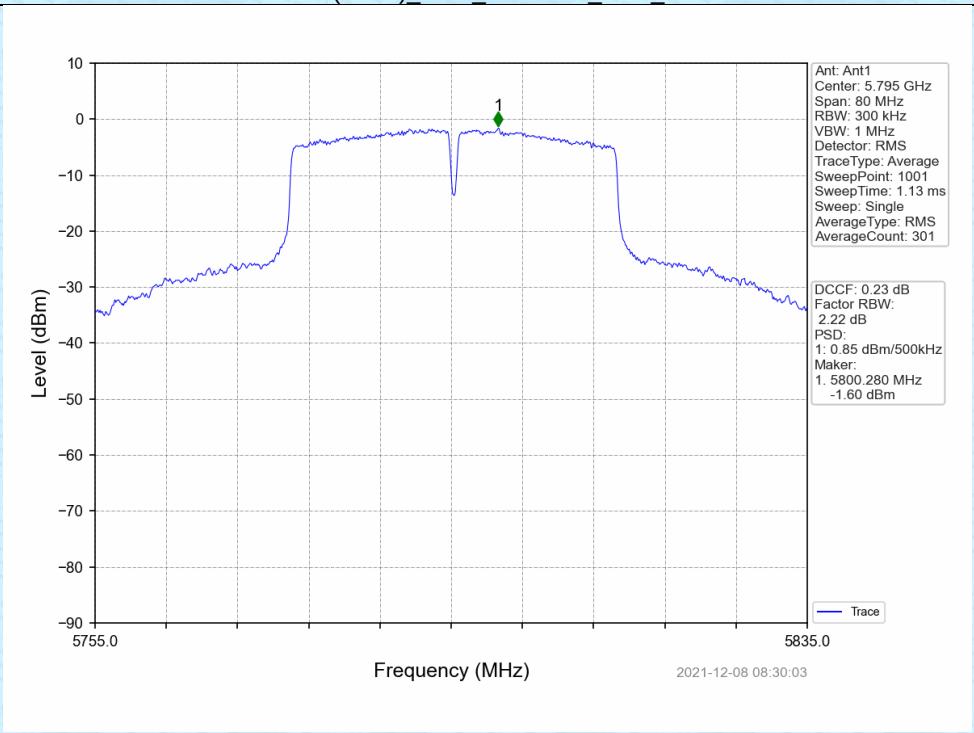
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



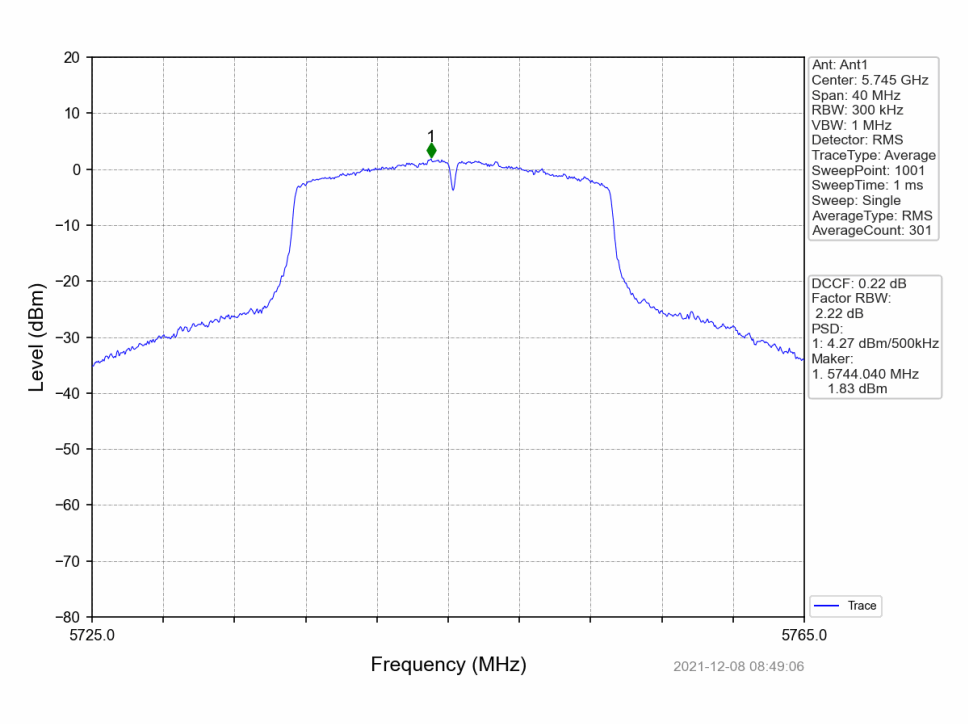
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



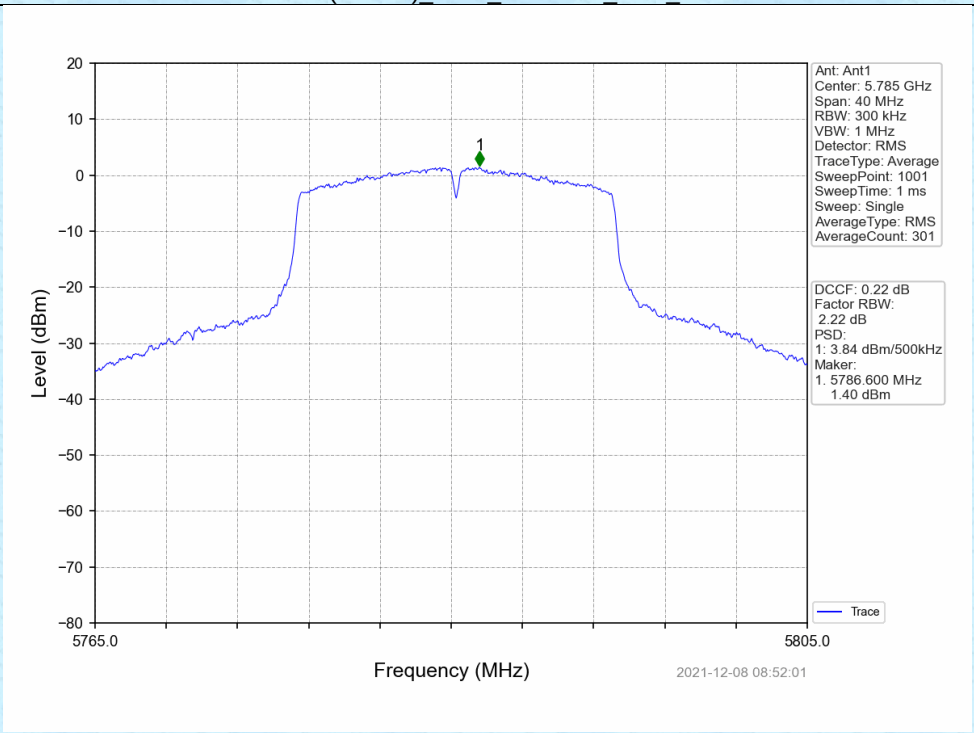
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



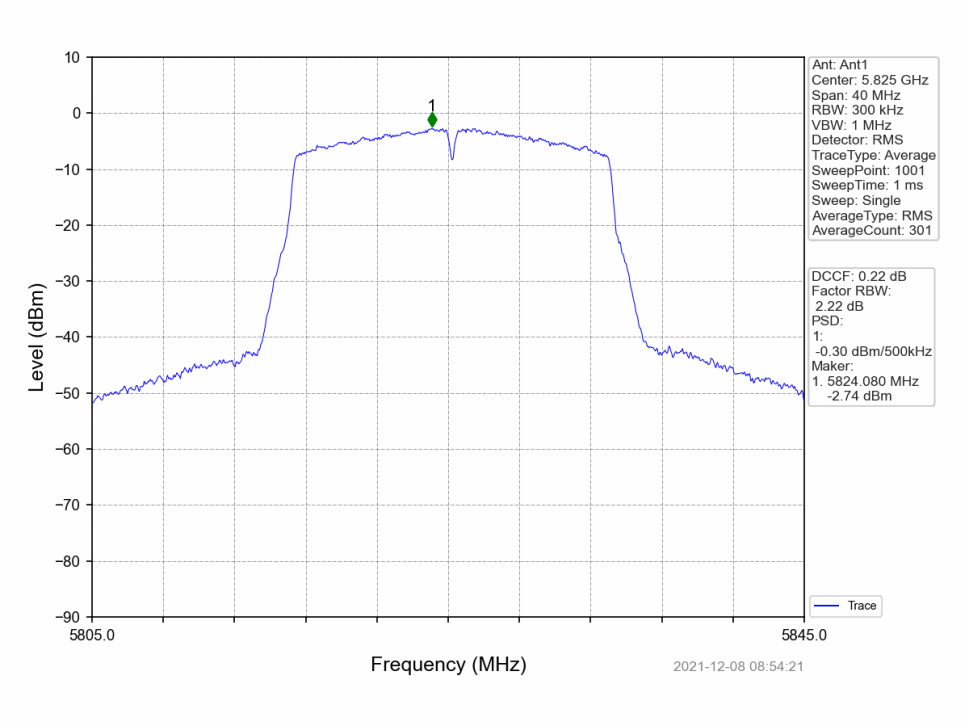
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



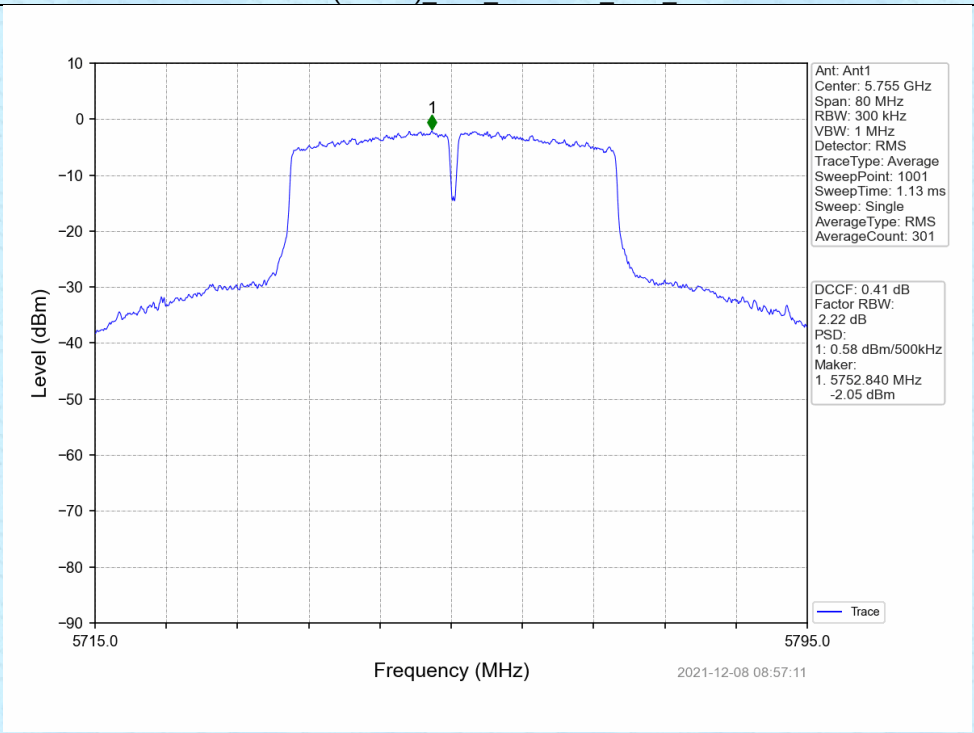
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



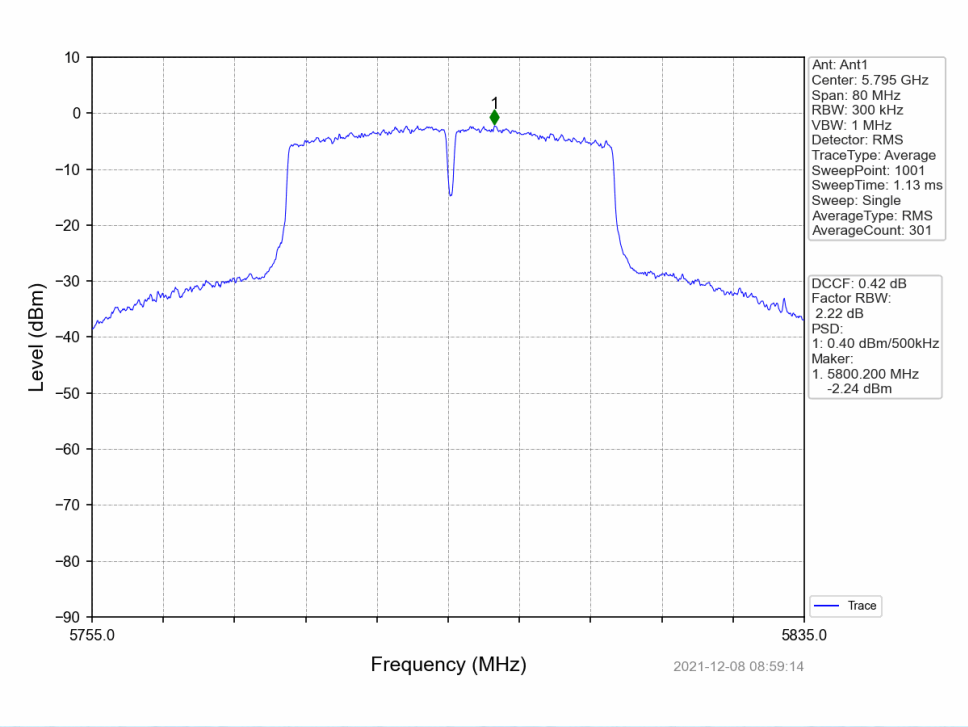
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (Vdc)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5745	20	9	5745.020	5725 to 5850	Pass
				12	5745.060	5725 to 5850	Pass
				16	5745.080	5725 to 5850	Pass
			-30	12	5745.120	5725 to 5850	Pass
			-20	12	5745.080	5725 to 5850	Pass
			-10	12	5745.080	5725 to 5850	Pass
			0	12	5745.120	5725 to 5850	Pass
			10	12	5745.080	5725 to 5850	Pass
			30	12	5745.140	5725 to 5850	Pass
			40	12	5745.100	5725 to 5850	Pass
			50	12	5745.140	5725 to 5850	Pass
		5785	20	9	5785.260	5725 to 5850	Pass
				12	5785.300	5725 to 5850	Pass
				16	5785.320	5725 to 5850	Pass
			-30	12	5785.300	5725 to 5850	Pass
			-20	12	5785.320	5725 to 5850	Pass
			-10	12	5785.300	5725 to 5850	Pass
			0	12	5785.300	5725 to 5850	Pass
			10	12	5785.320	5725 to 5850	Pass
			30	12	5785.300	5725 to 5850	Pass
			40	12	5785.280	5725 to 5850	Pass
			50	12	5785.320	5725 to 5850	Pass
		5825	20	9	5825.260	5725 to 5850	Pass
				12	5825.260	5725 to 5850	Pass
				16	5825.300	5725 to 5850	Pass
			-30	12	5825.300	5725 to 5850	Pass
			-20	12	5825.240	5725 to 5850	Pass
			-10	12	5825.260	5725 to 5850	Pass
			0	12	5825.240	5725 to 5850	Pass
			10	12	5825.260	5725 to 5850	Pass
			30	12	5825.240	5725 to 5850	Pass
			40	12	5825.280	5725 to 5850	Pass
			50	12	5825.240	5725 to 5850	Pass
802.11n (HT20)	SISO	5745	20	9	5745.280	5725 to 5850	Pass
				12	5745.260	5725 to 5850	Pass
				16	5745.280	5725 to 5850	Pass
			-30	12	5745.280	5725 to 5850	Pass
			-20	12	5745.260	5725 to 5850	Pass
			-10	12	5745.280	5725 to 5850	Pass
			0	12	5745.260	5725 to 5850	Pass
			10	12	5745.240	5725 to 5850	Pass
			30	12	5745.260	5725 to 5850	Pass
			40	12	5745.260	5725 to 5850	Pass
			50	12	5745.280	5725 to 5850	Pass
		5785	20	9	5785.260	5725 to 5850	Pass

				12	5785.280	5725 to 5850	Pass
				16	5785.260	5725 to 5850	Pass
			-30	12	5785.280	5725 to 5850	Pass
			-20	12	5785.280	5725 to 5850	Pass
			-10	12	5785.280	5725 to 5850	Pass
			0	12	5785.260	5725 to 5850	Pass
			10	12	5785.280	5725 to 5850	Pass
			30	12	5785.300	5725 to 5850	Pass
			40	12	5785.280	5725 to 5850	Pass
			50	12	5785.280	5725 to 5850	Pass
		5825	20	9	5825.200	5725 to 5850	Pass
				12	5825.200	5725 to 5850	Pass
				16	5825.200	5725 to 5850	Pass
			-30	12	5825.200	5725 to 5850	Pass
			-20	12	5825.200	5725 to 5850	Pass
			-10	12	5825.180	5725 to 5850	Pass
			0	12	5825.220	5725 to 5850	Pass
			10	12	5825.180	5725 to 5850	Pass
			30	12	5825.200	5725 to 5850	Pass
			40	12	5825.180	5725 to 5850	Pass
			50	12	5825.160	5725 to 5850	Pass
802.11n (HT40)	SISO	5755	20	9	5755.280	5725 to 5850	Pass
				12	5755.280	5725 to 5850	Pass
				16	5755.320	5725 to 5850	Pass
			-30	12	5755.240	5725 to 5850	Pass
			-20	12	5755.320	5725 to 5850	Pass
			-10	12	5755.240	5725 to 5850	Pass
			0	12	5755.320	5725 to 5850	Pass
			10	12	5755.320	5725 to 5850	Pass
			30	12	5755.320	5725 to 5850	Pass
			40	12	5755.280	5725 to 5850	Pass
			50	12	5755.320	5725 to 5850	Pass
		5795	20	9	5795.280	5725 to 5850	Pass
				12	5795.320	5725 to 5850	Pass
				16	5795.320	5725 to 5850	Pass
			-30	12	5795.360	5725 to 5850	Pass
			-20	12	5795.360	5725 to 5850	Pass
			-10	12	5795.320	5725 to 5850	Pass
			0	12	5795.280	5725 to 5850	Pass
			10	12	5795.360	5725 to 5850	Pass
			30	12	5795.360	5725 to 5850	Pass
			40	12	5795.320	5725 to 5850	Pass
			50	12	5795.280	5725 to 5850	Pass
802.11ac (VHT20)	SISO	5745	20	9	5745.260	5725 to 5850	Pass
				12	5745.280	5725 to 5850	Pass
				16	5745.260	5725 to 5850	Pass
			-30	12	5745.240	5725 to 5850	Pass
			-20	12	5745.260	5725 to 5850	Pass
			-10	12	5745.280	5725 to 5850	Pass
			0	12	5745.200	5725 to 5850	Pass
			10	12	5745.260	5725 to 5850	Pass
			30	12	5745.280	5725 to 5850	Pass
			40	12	5745.260	5725 to 5850	Pass
			50	12	5745.240	5725 to 5850	Pass
		5785	20	9	5785.220	5725 to 5850	Pass
				12	5785.260	5725 to 5850	Pass
				16	5785.260	5725 to 5850	Pass

			-30	12	5785.240	5725 to 5850	Pass
			-20	12	5785.280	5725 to 5850	Pass
			-10	12	5785.280	5725 to 5850	Pass
			0	12	5785.260	5725 to 5850	Pass
			10	12	5785.260	5725 to 5850	Pass
			30	12	5785.300	5725 to 5850	Pass
			40	12	5785.260	5725 to 5850	Pass
			50	12	5785.260	5725 to 5850	Pass
		5825	20	9	5825.220	5725 to 5850	Pass
				12	5825.200	5725 to 5850	Pass
				16	5825.200	5725 to 5850	Pass
			-30	12	5825.220	5725 to 5850	Pass
			-20	12	5825.200	5725 to 5850	Pass
			-10	12	5825.200	5725 to 5850	Pass
			0	12	5825.220	5725 to 5850	Pass
			10	12	5825.180	5725 to 5850	Pass
			30	12	5825.220	5725 to 5850	Pass
			40	12	5825.200	5725 to 5850	Pass
			50	12	5825.180	5725 to 5850	Pass
802.11ac (VHT40)	SISO	5755	20	9	5755.280	5725 to 5850	Pass
				12	5755.280	5725 to 5850	Pass
				16	5755.280	5725 to 5850	Pass
			-30	12	5755.280	5725 to 5850	Pass
			-20	12	5755.240	5725 to 5850	Pass
			-10	12	5755.240	5725 to 5850	Pass
			0	12	5755.240	5725 to 5850	Pass
			10	12	5755.280	5725 to 5850	Pass
			30	12	5755.280	5725 to 5850	Pass
			40	12	5755.240	5725 to 5850	Pass
			50	12	5755.280	5725 to 5850	Pass
		5795	20	9	5795.280	5725 to 5850	Pass
				12	5795.280	5725 to 5850	Pass
				16	5795.280	5725 to 5850	Pass
			-30	12	5795.280	5725 to 5850	Pass
			-20	12	5795.280	5725 to 5850	Pass
			-10	12	5795.280	5725 to 5850	Pass
			0	12	5795.280	5725 to 5850	Pass
			10	12	5795.280	5725 to 5850	Pass
			30	12	5795.280	5725 to 5850	Pass
			40	12	5795.280	5725 to 5850	Pass
			50	12	5795.320	5725 to 5850	Pass

------End------