

1. Duty Cycle

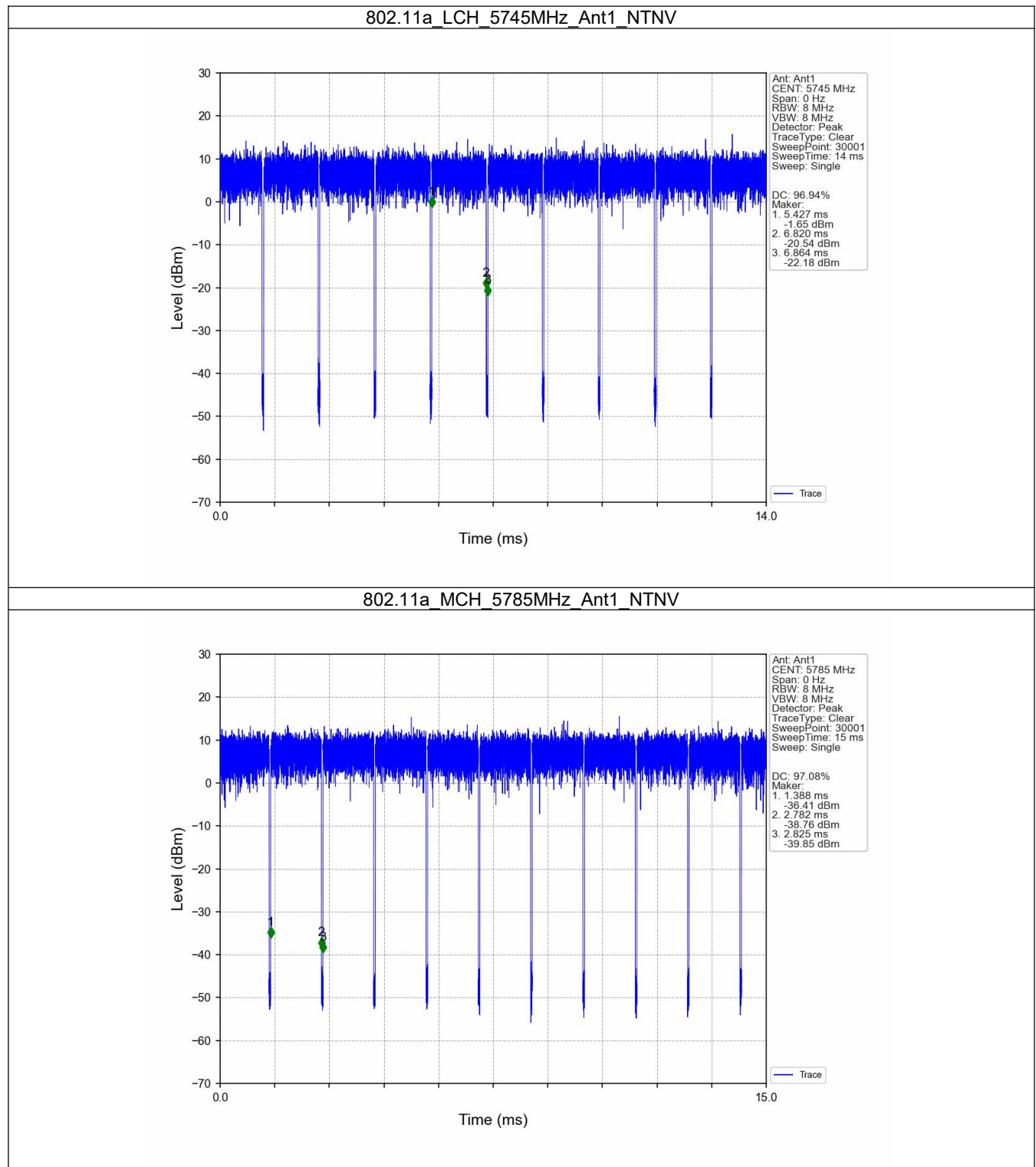
1.1 Test Result

1.1.1 Ant1

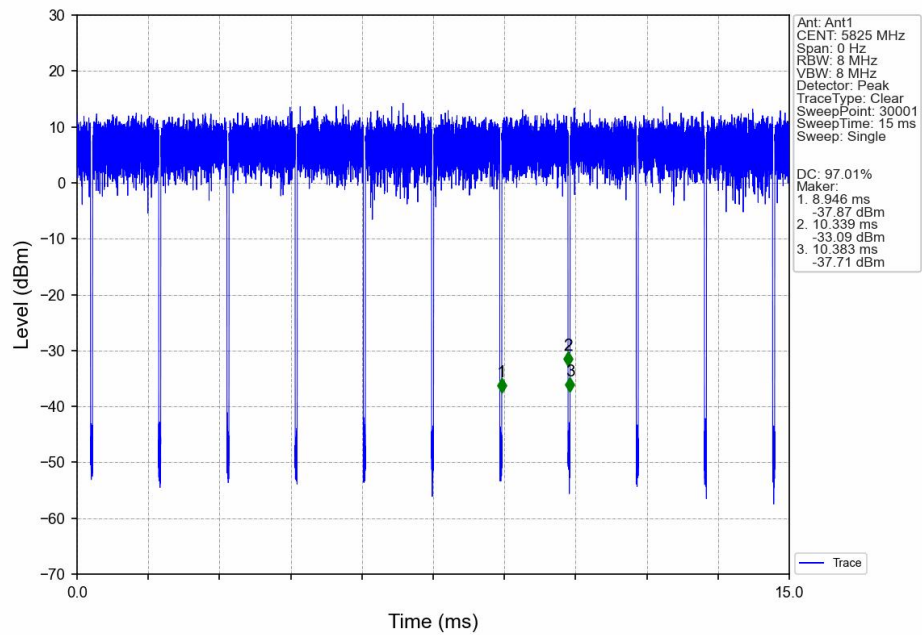
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	1.393	1.437	96.94	0.14	0.03
		5785	1.394	1.436	97.08	0.13	0.03
		5825	1.394	1.437	97.01	0.13	0.04
802.11n (HT20)	SISO	5745	1.392	1.437	96.87	0.14	0.06
		5785	1.392	1.437	96.87	0.14	0.07
		5825	1.393	1.437	96.94	0.14	0.04
802.11n (HT40)	SISO	5755	0.636	0.680	93.53	0.29	0.03
		5795	0.636	0.680	93.53	0.29	0.03

1.2 Test Graph

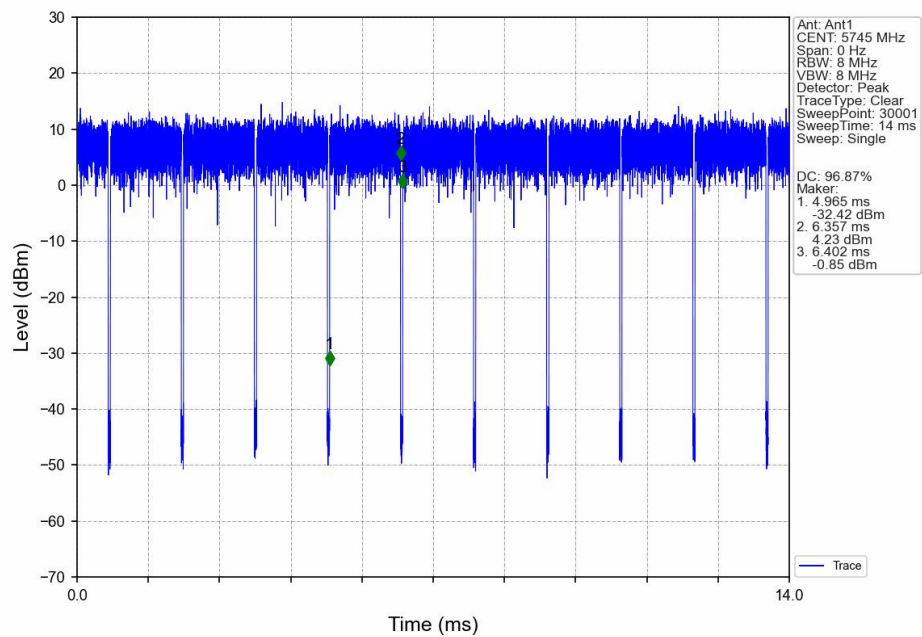
1.2.1 Ant1



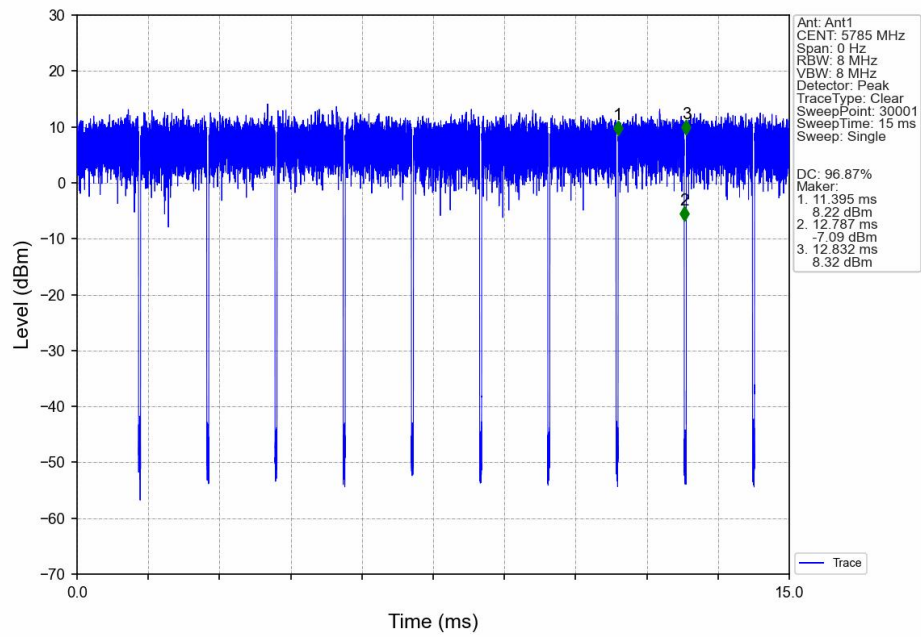
802.11a_HCH_5825MHz_Ant1_NTNV



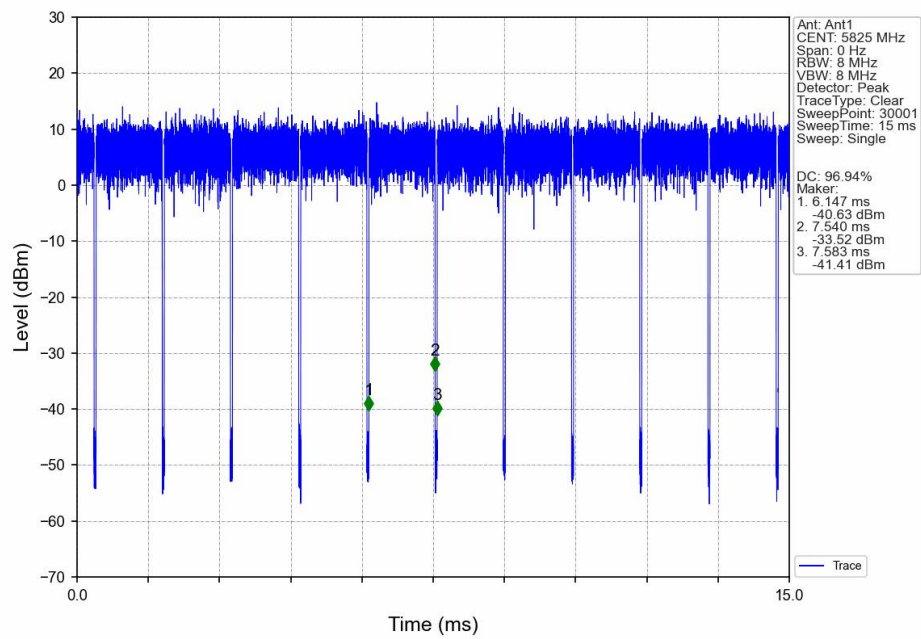
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



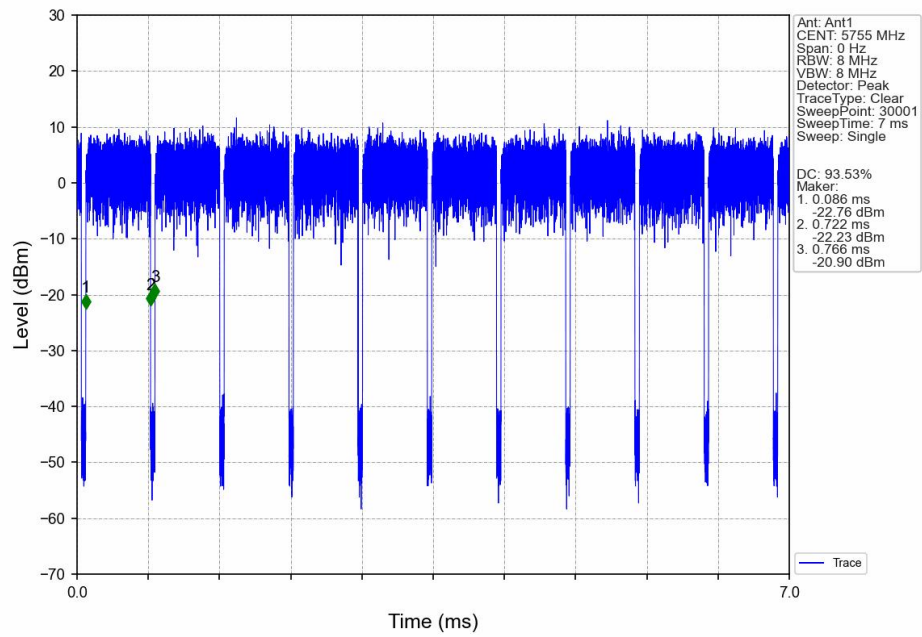
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



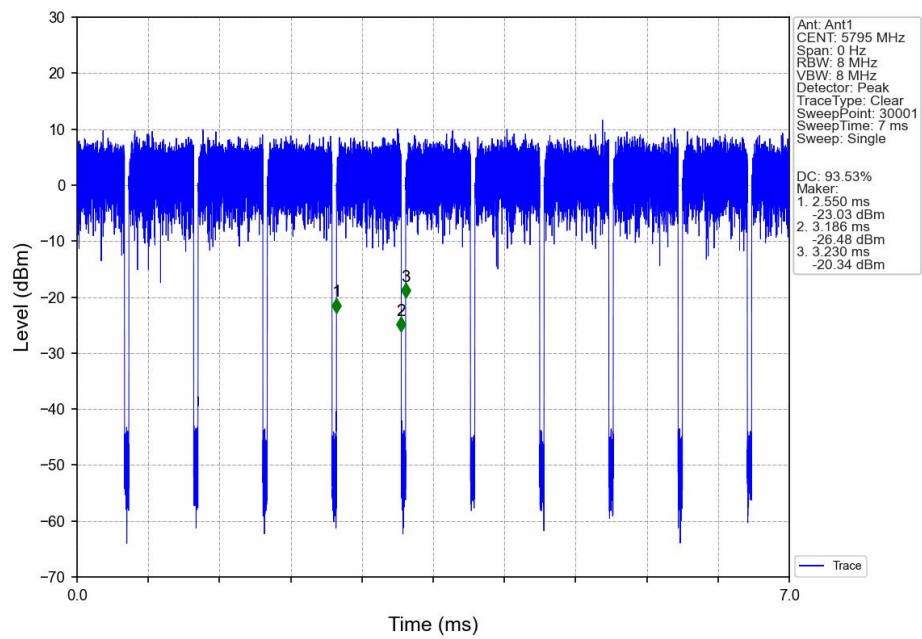
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

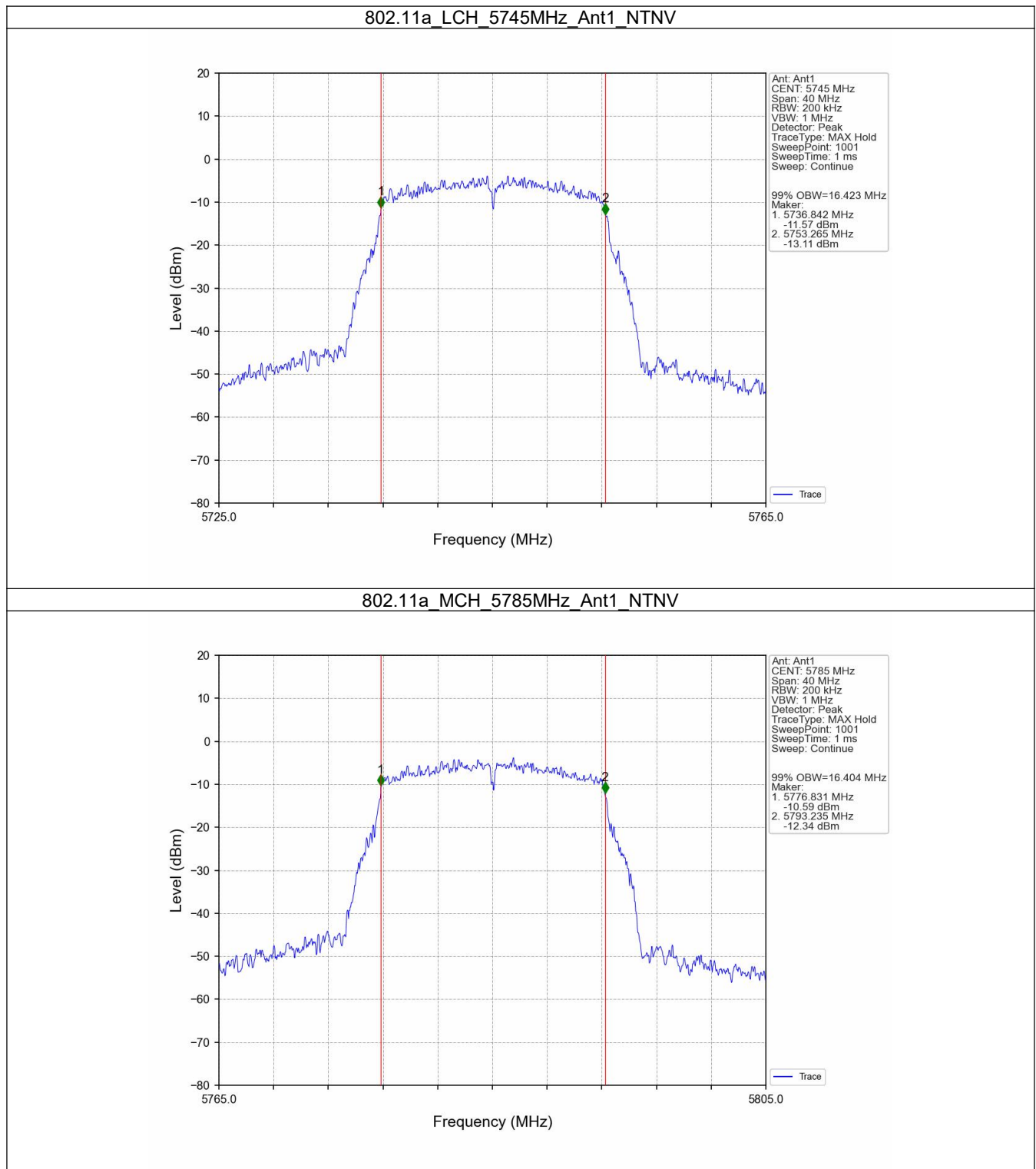
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.423	/	Pass
		5785	1	16.404	/	Pass
		5825	1	16.395	/	Pass
802.11n (HT20)	SISO	5745	1	16.408	/	Pass
		5785	1	16.423	/	Pass
		5825	1	16.424	/	Pass
802.11n (HT40)	SISO	5755	1	36.055	/	Pass
		5795	1	36.103	/	Pass

2.1.2 6dB BW

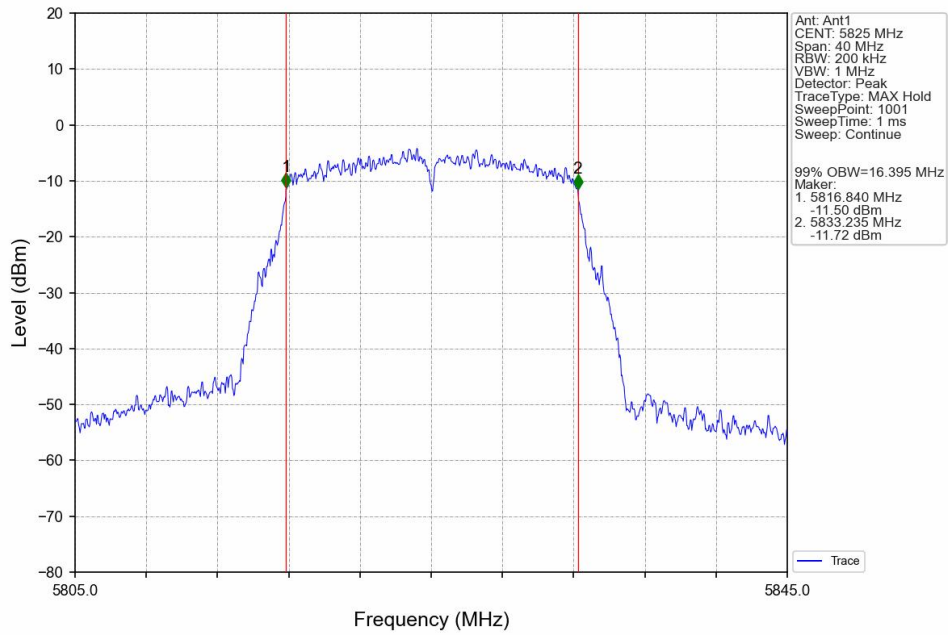
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.138	≥ 0.5	Pass
		5785	1	15.016	≥ 0.5	Pass
		5825	1	14.879	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	14.070	≥ 0.5	Pass
		5785	1	14.090	≥ 0.5	Pass
		5825	1	15.146	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.140	≥ 0.5	Pass
		5795	1	33.859	≥ 0.5	Pass

2.2 Test Graph

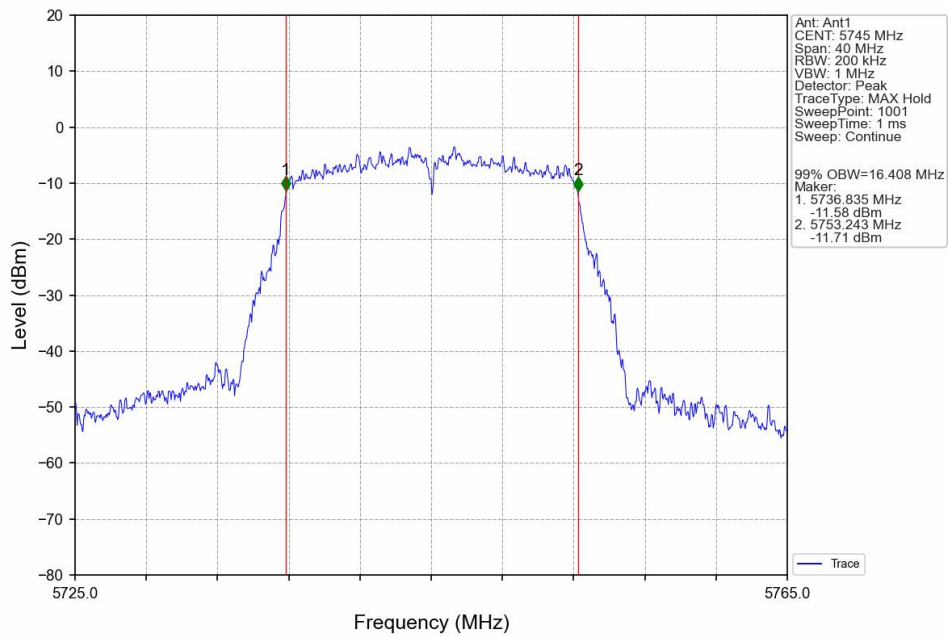
2.2.1 OBW



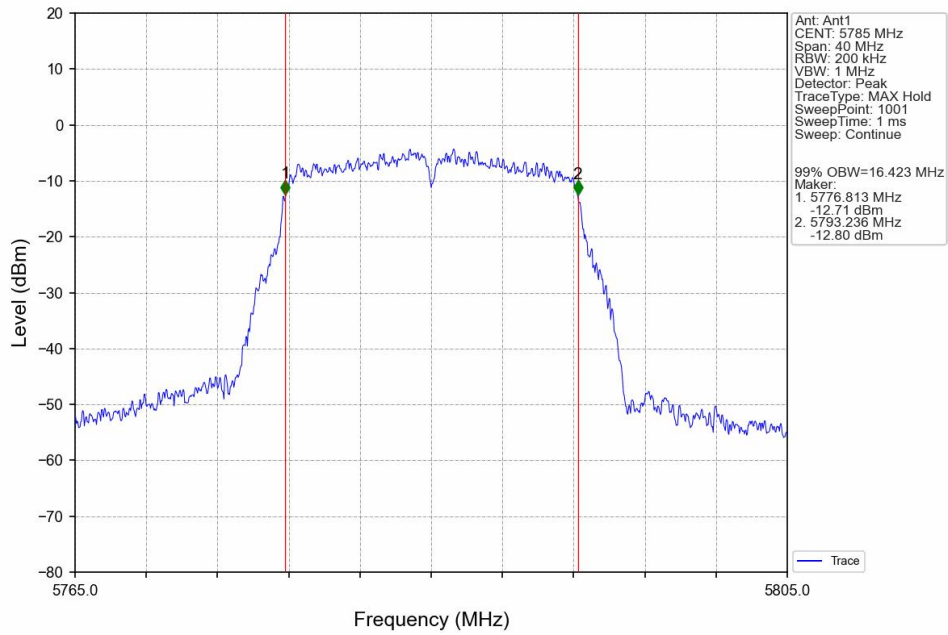
802.11a_HCH_5825MHz_Ant1_NTNV



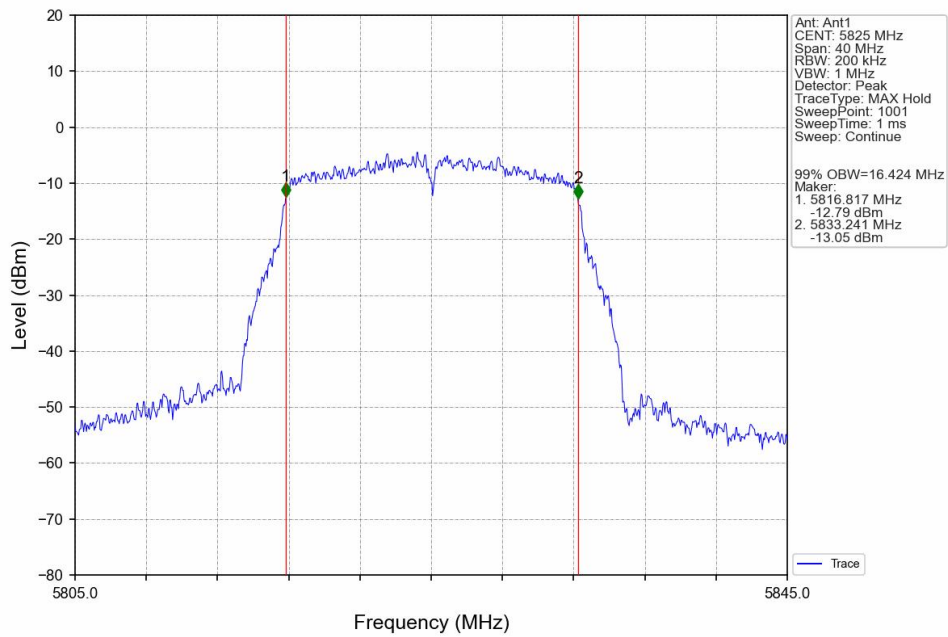
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



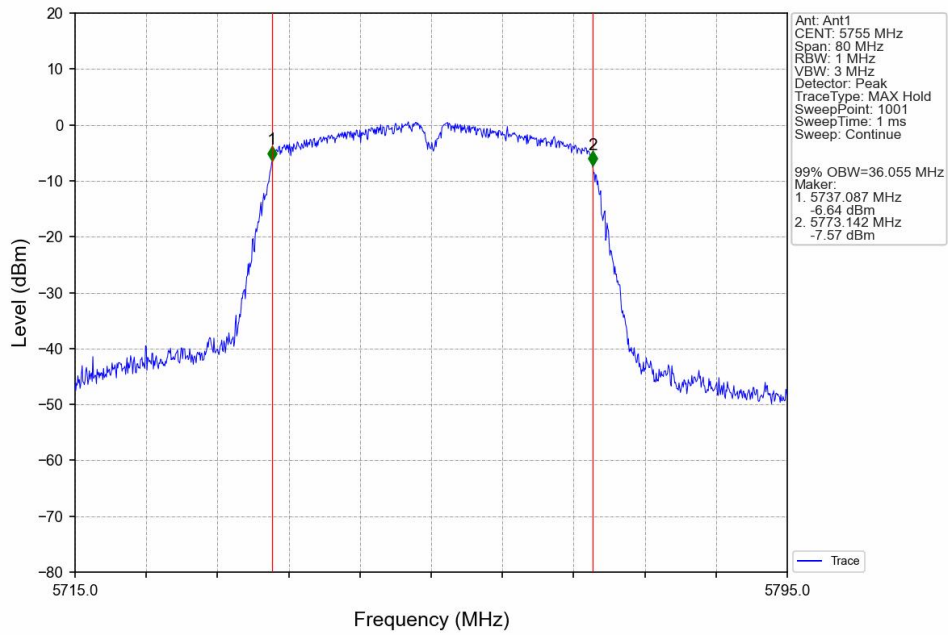
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



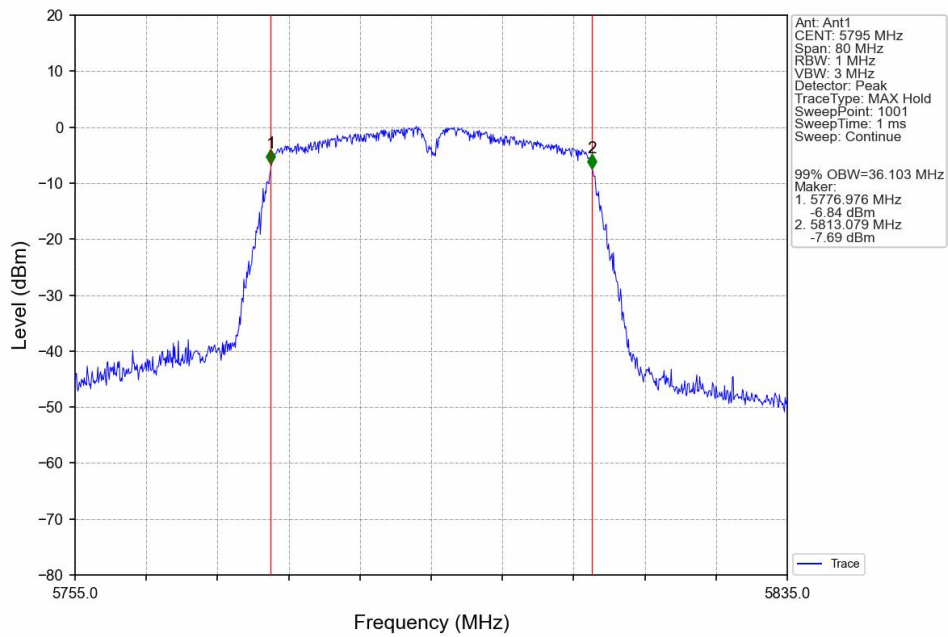
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

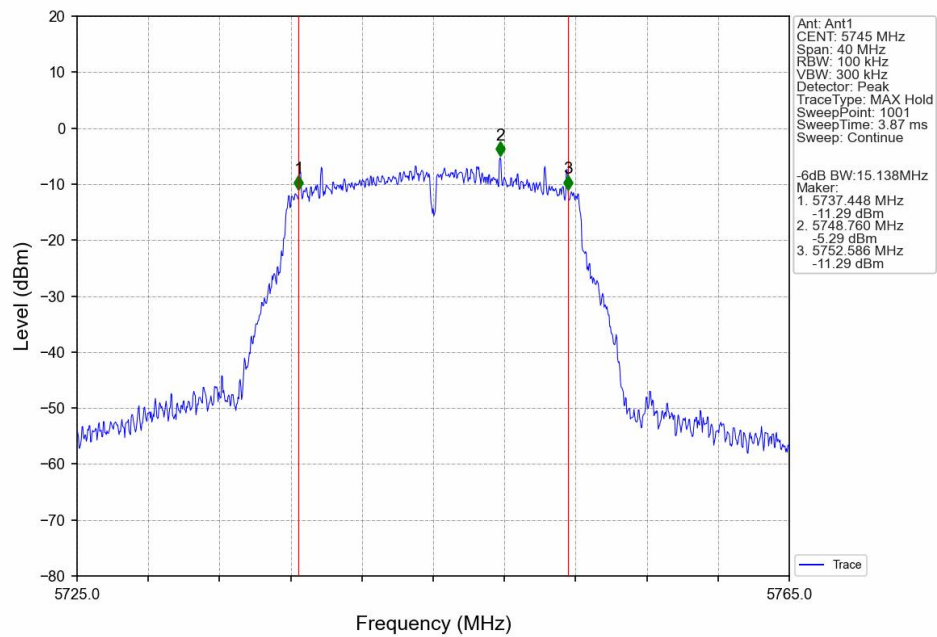


802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

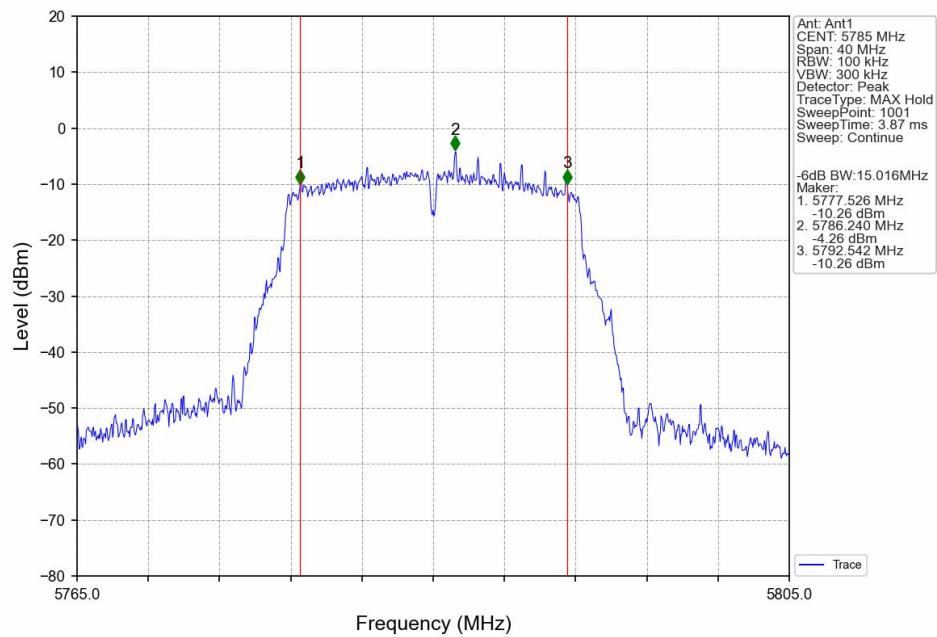


2.2.2 6dB BW

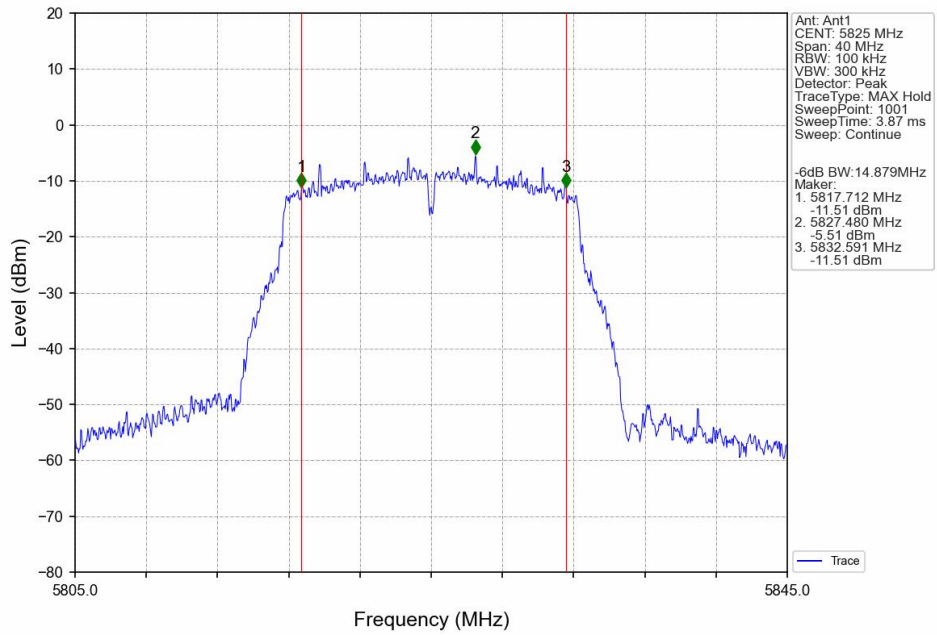
802.11a_LCH_5745MHz_Ant1_NTNV



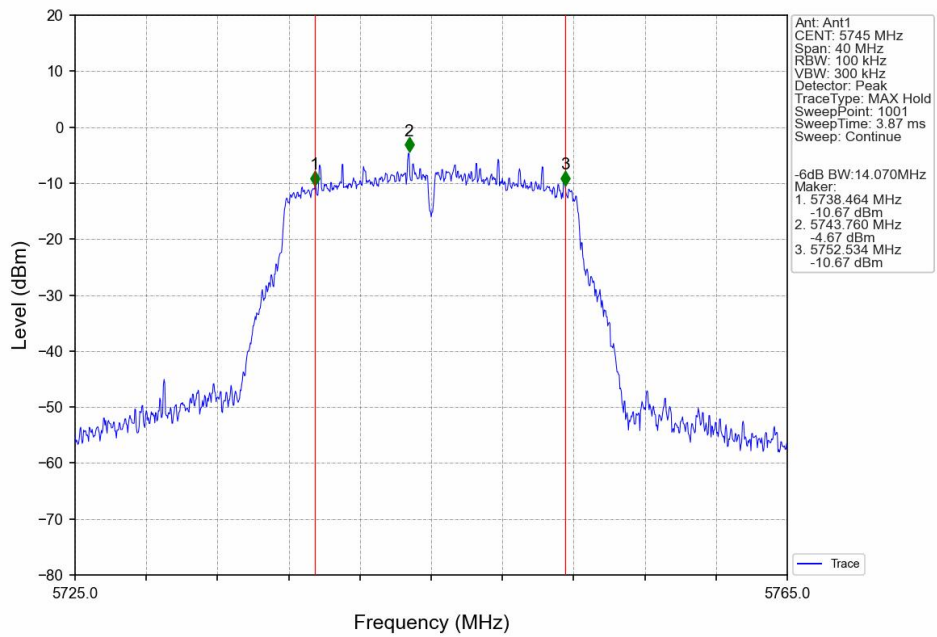
802.11a_MCH_5785MHz_Ant1_NTNV



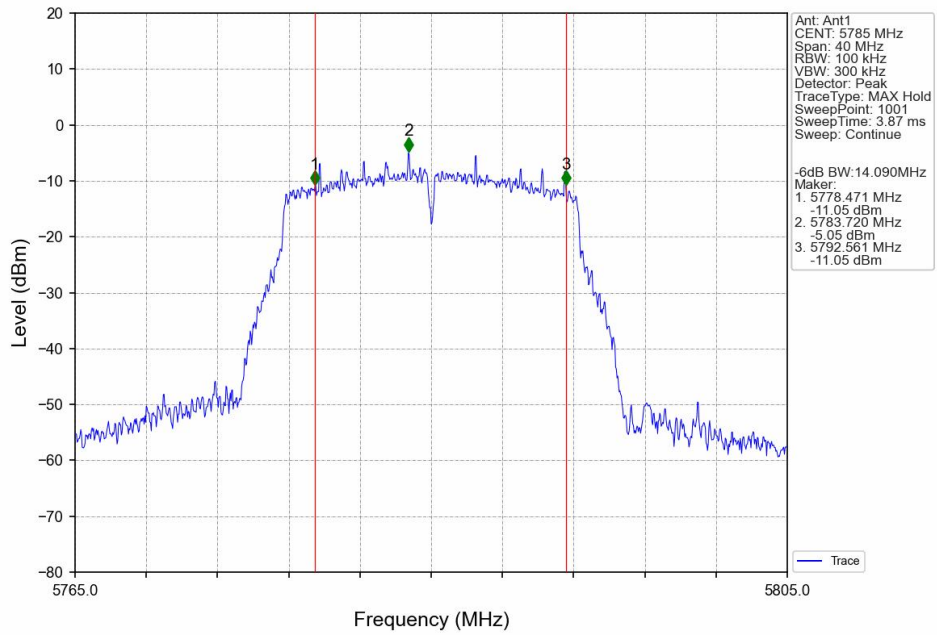
802.11a_HCH_5825MHz_Ant1_NTNV



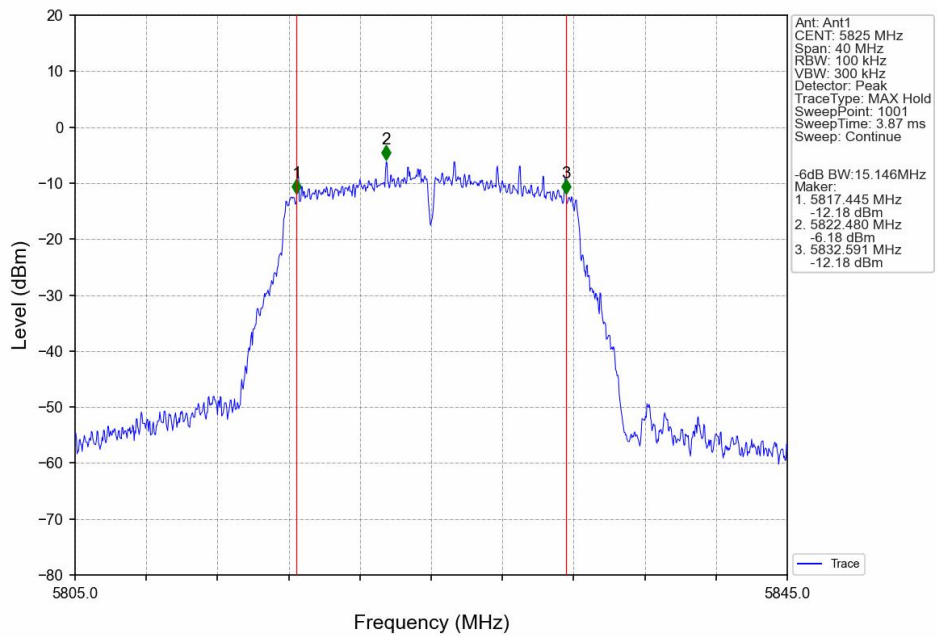
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



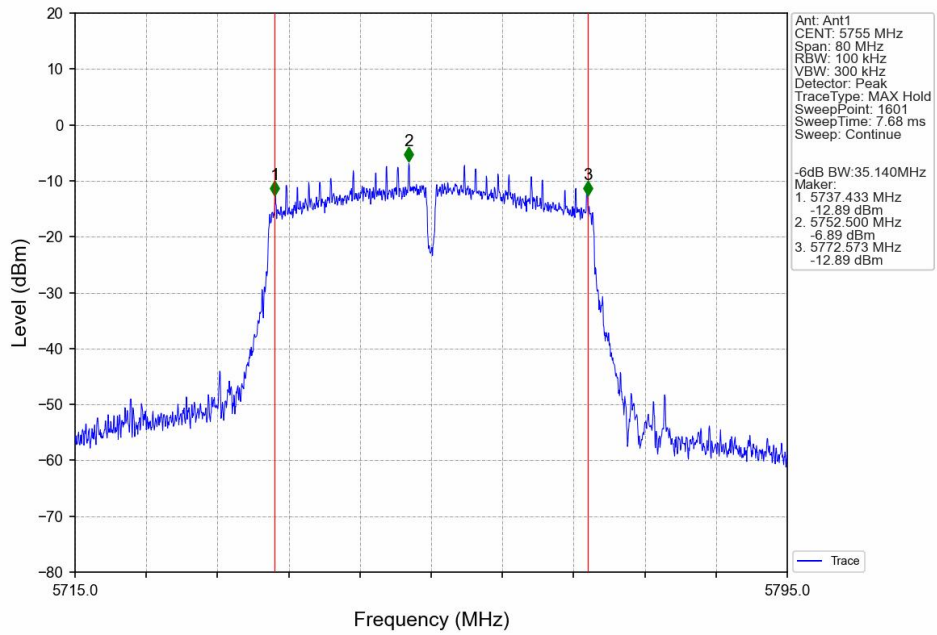
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



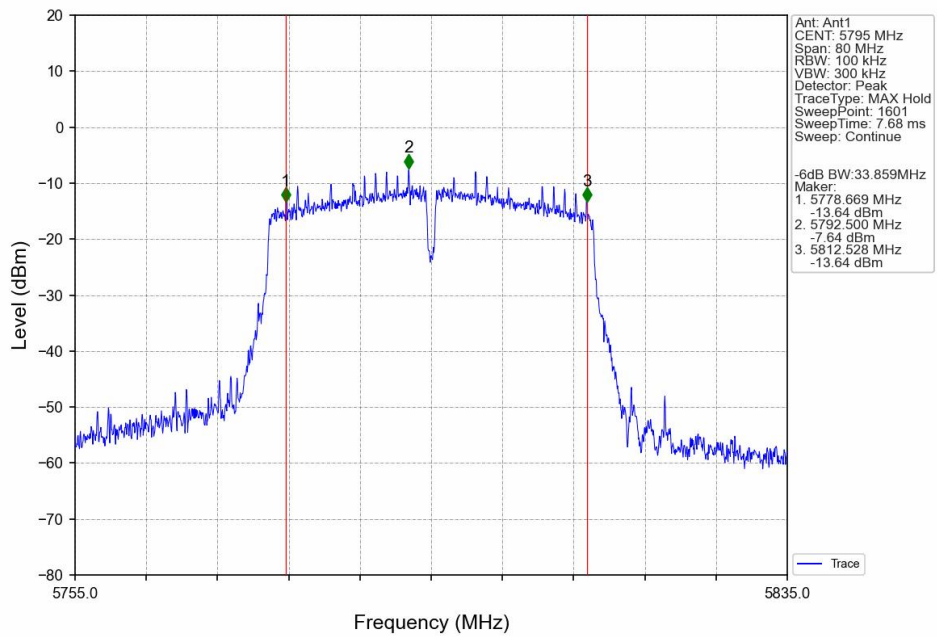
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



3. Maximum Conducted Output Power

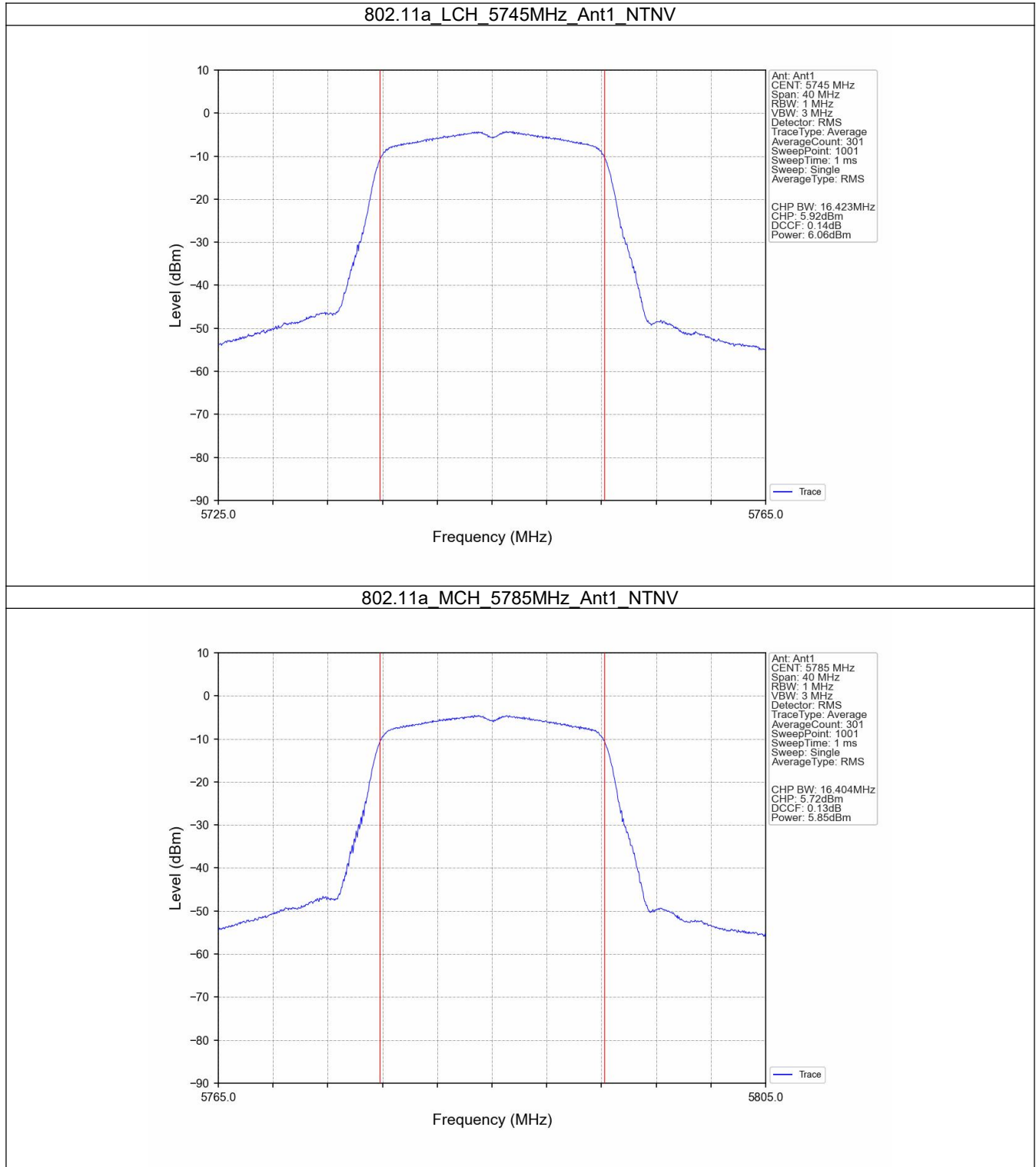
3.1 Test Result

3.1.1 Power

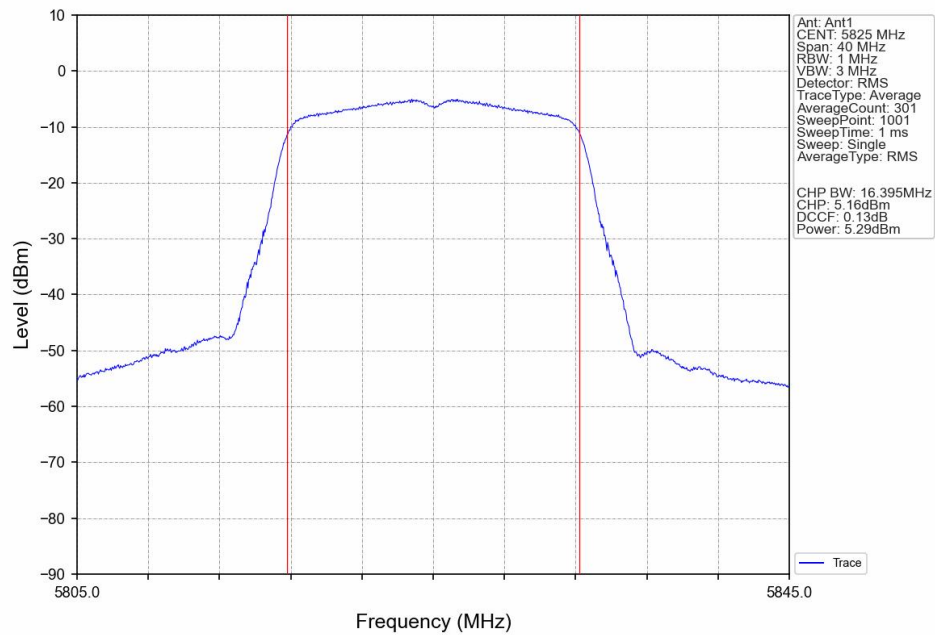
Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	6.06	<=30	Pass
		5785	5.85	<=30	Pass
		5825	5.29	<=30	Pass
802.11n (HT20)	SISO	5745	5.73	<=30	Pass
		5785	5.37	<=30	Pass
		5825	5.09	<=30	Pass
802.11n (HT40)	SISO	5755	5.87	<=30	Pass
		5795	5.68	<=30	Pass
Note1: Antenna Gain: Ant1: 3.03dBi;					

3.2 Test Graph

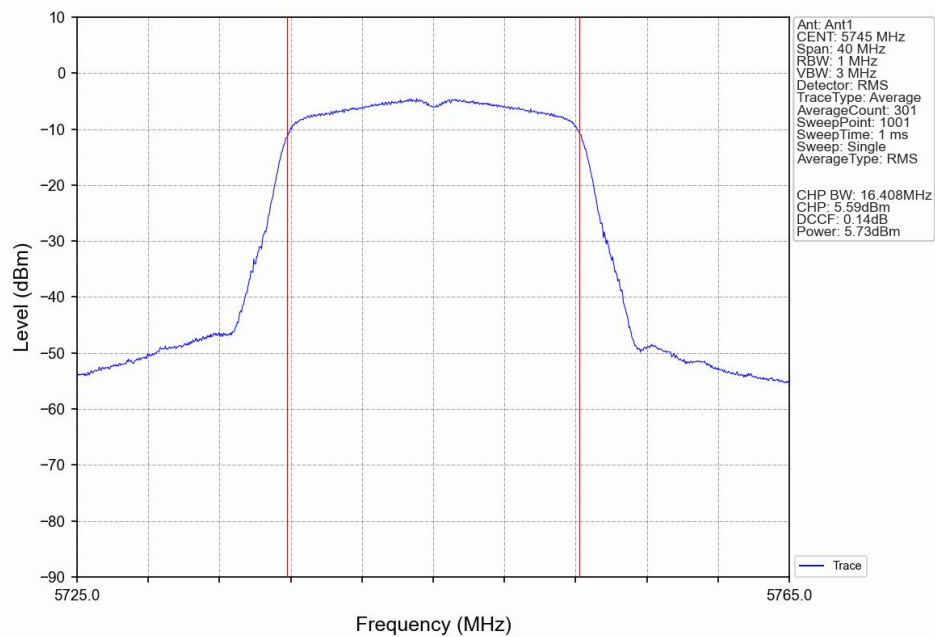
3.2.1 Power



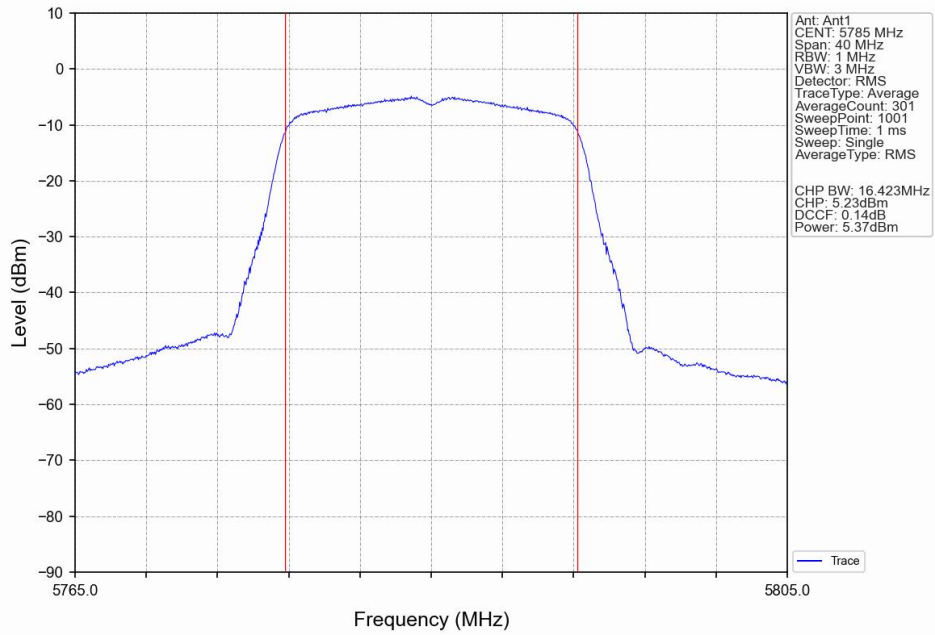
802.11a_HCH_5825MHz_Ant1_NTNV



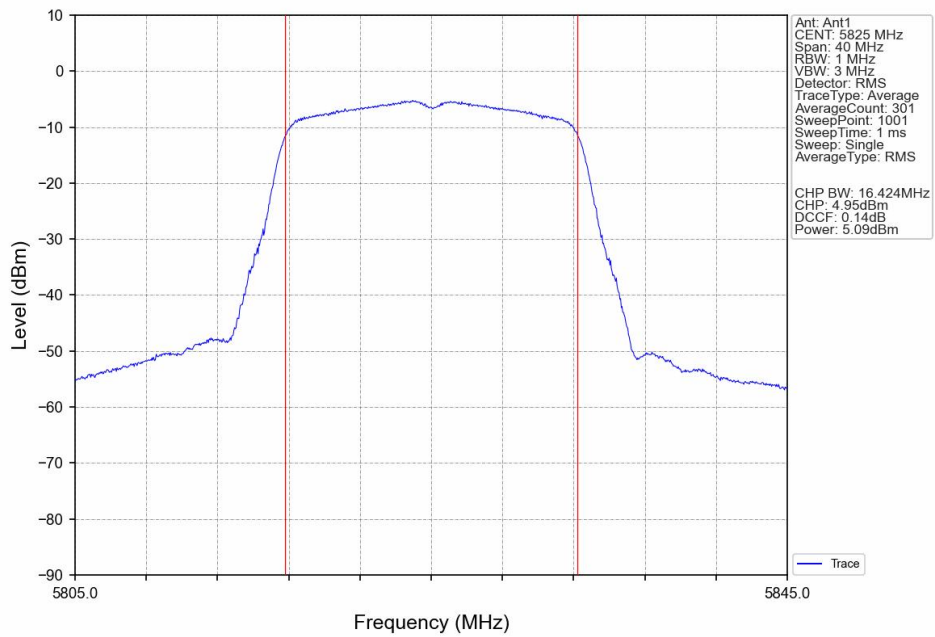
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



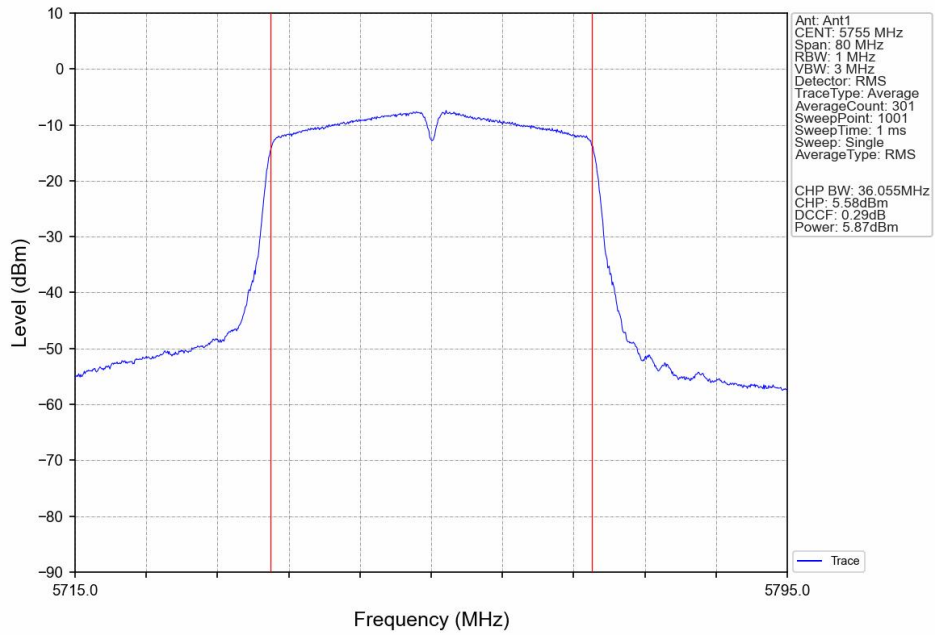
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



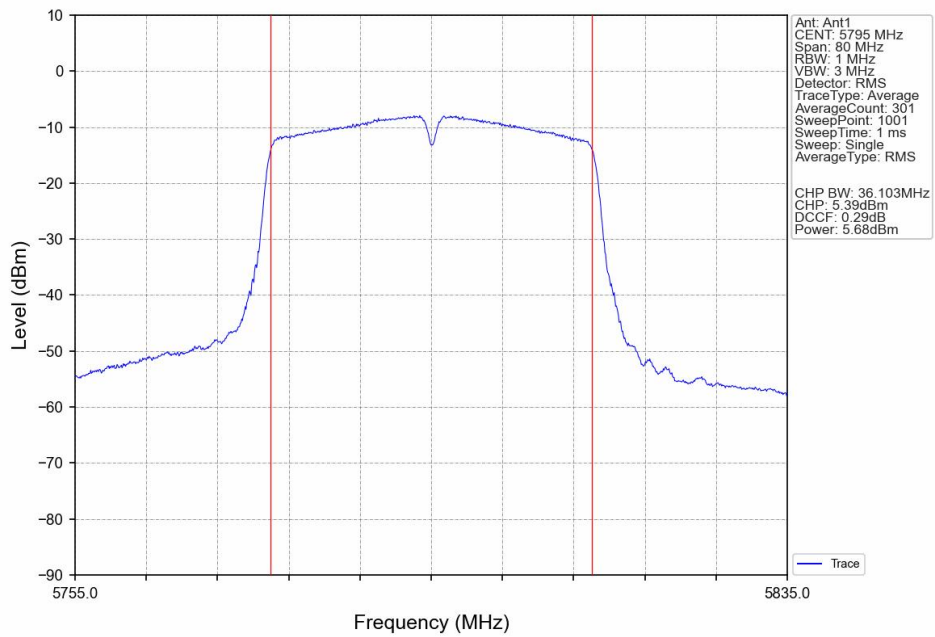
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

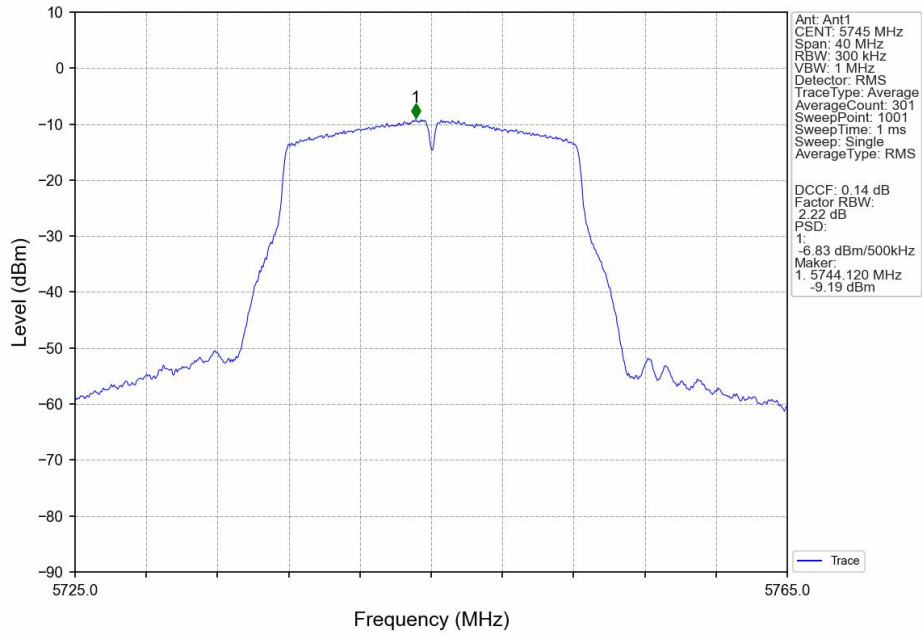
4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5745	-6.83	<=30	Pass
		5785	-7.32	<=30	Pass
		5825	-7.65	<=30	Pass
802.11n (HT20)	SISO	5745	-7.20	<=30	Pass
		5785	-7.75	<=30	Pass
		5825	-8.05	<=30	Pass
802.11n (HT40)	SISO	5755	-10.49	<=30	Pass
		5795	-10.61	<=30	Pass
Note1: Antenna Gain: Ant1: 3.03dBi;					

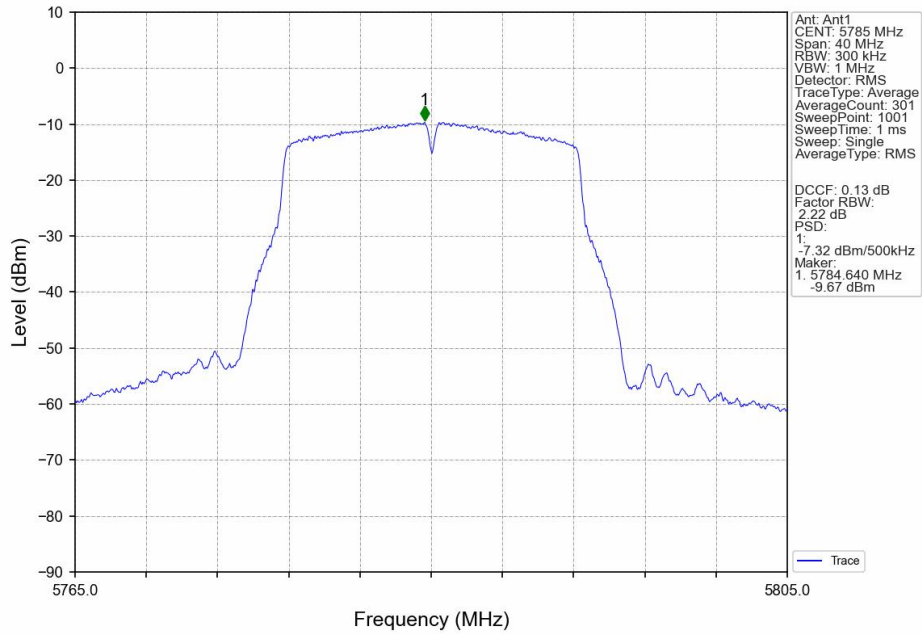
4.2 Test Graph

4.2.1 PSD-Band3

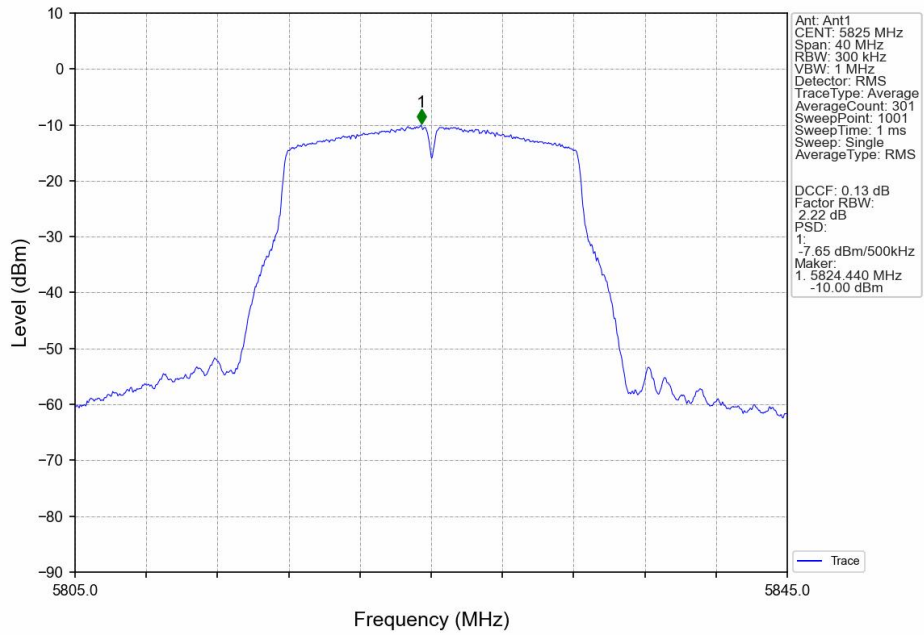
802.11a_LCH_5745MHz_Ant1_NTNV



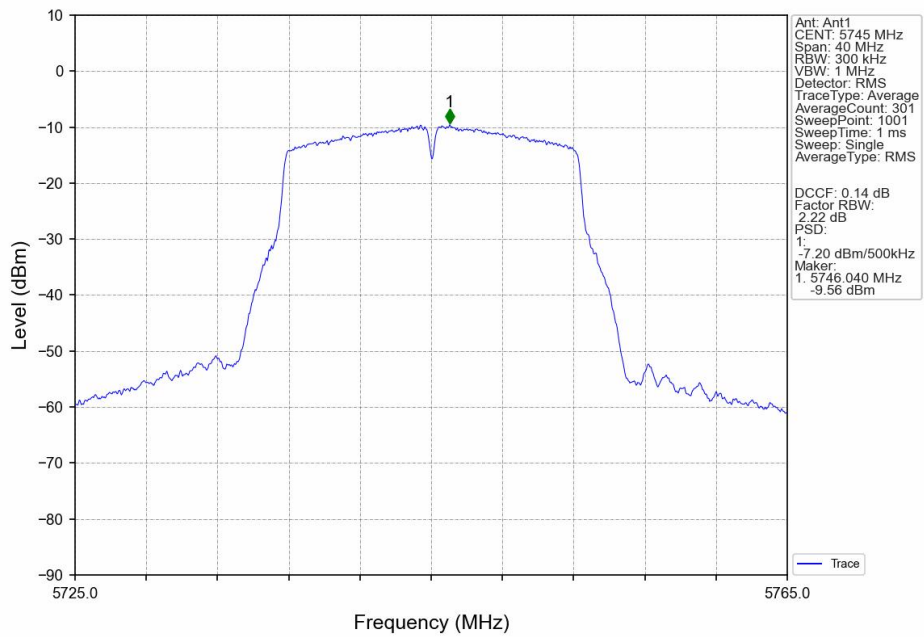
802.11a_MCH_5785MHz_Ant1_NTNV



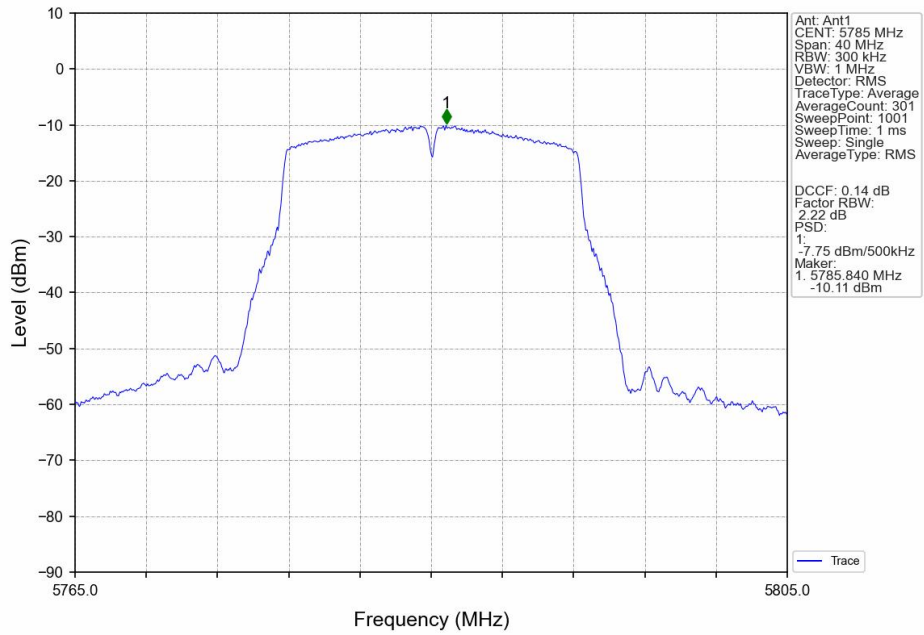
802.11a_HCH_5825MHz_Ant1_NTNV



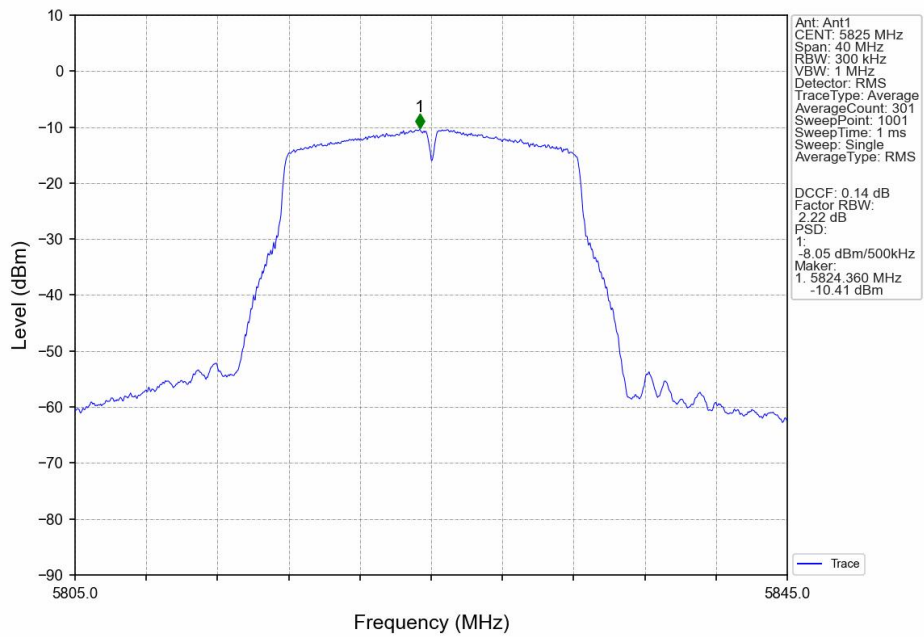
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



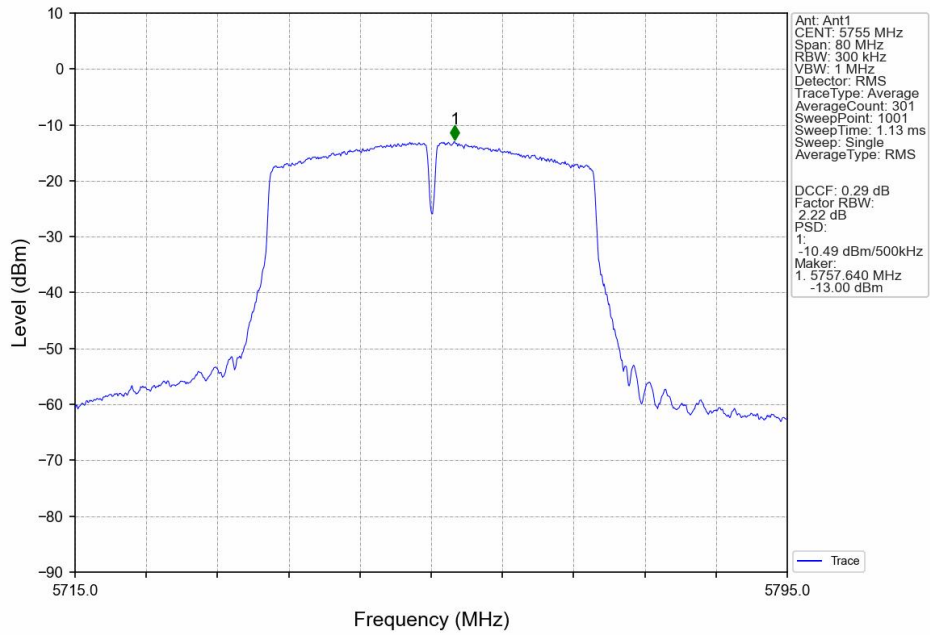
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



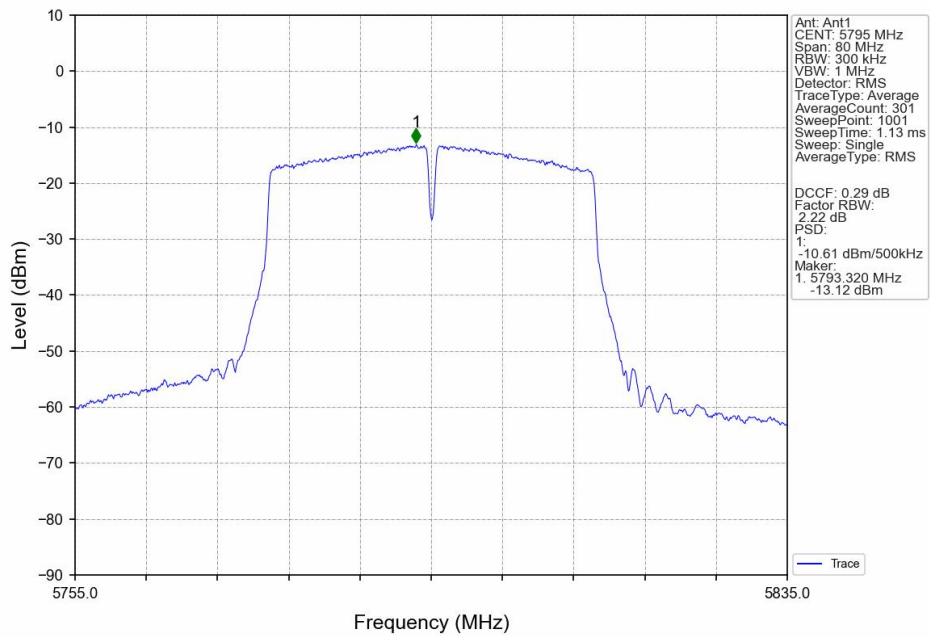
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



5. Band Edge

5.1 Test Result

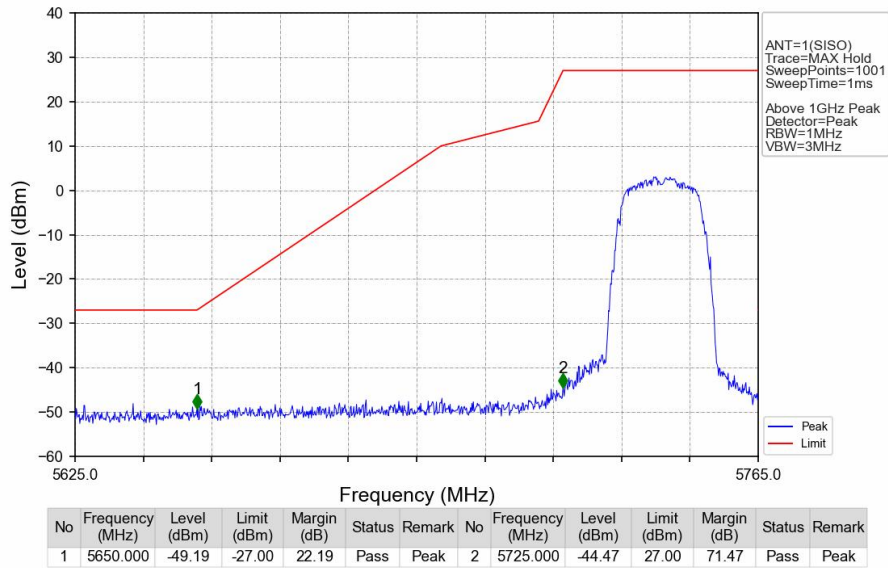
5.1.1 BandEdge

Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	1	Refer To Test Graph		Pass
		5825	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5755	1	Refer To Test Graph		Pass
		5795	1	Refer To Test Graph		Pass

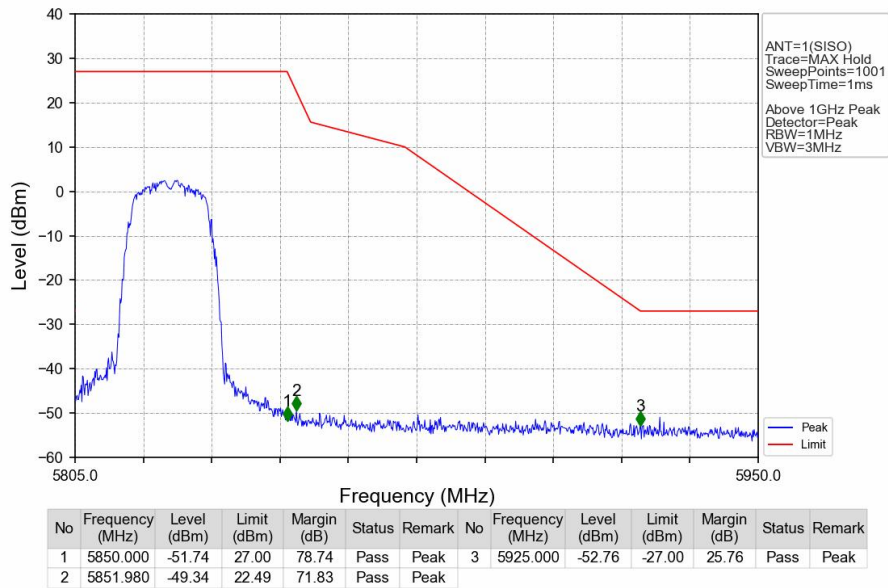
5.2 Test Graph

5.2.1 BandEdge

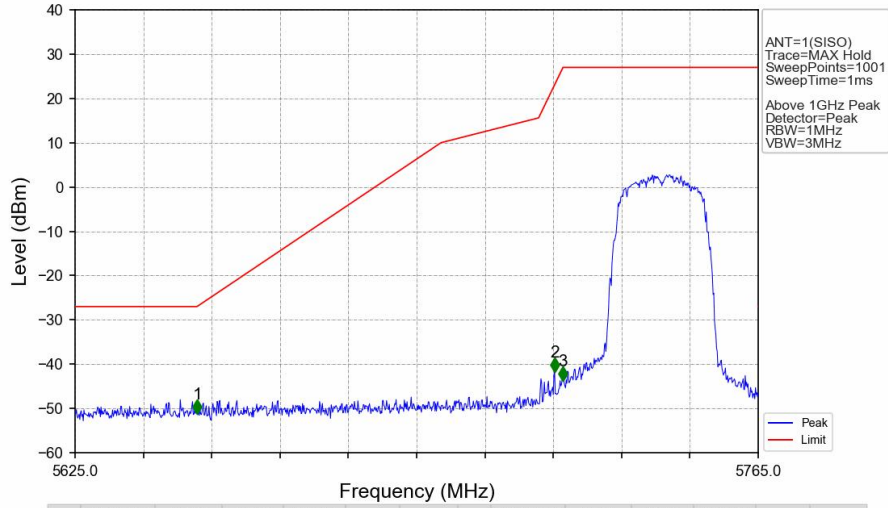
802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV

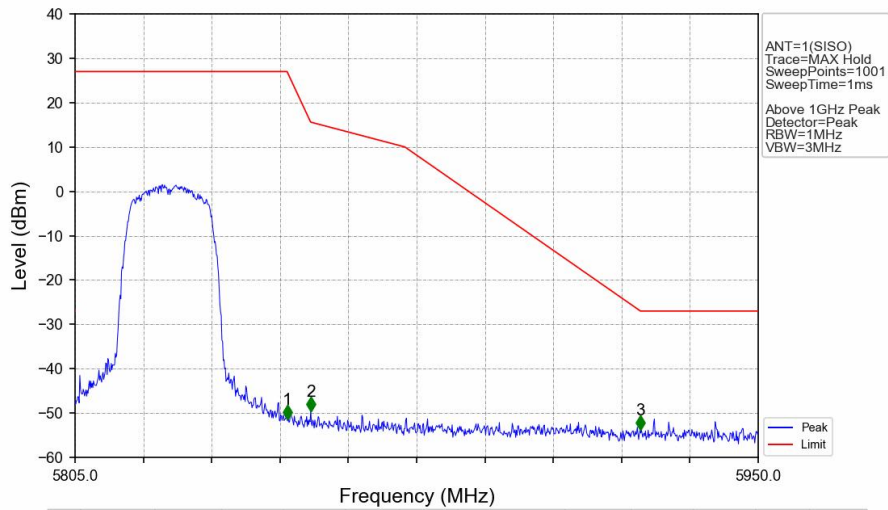


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



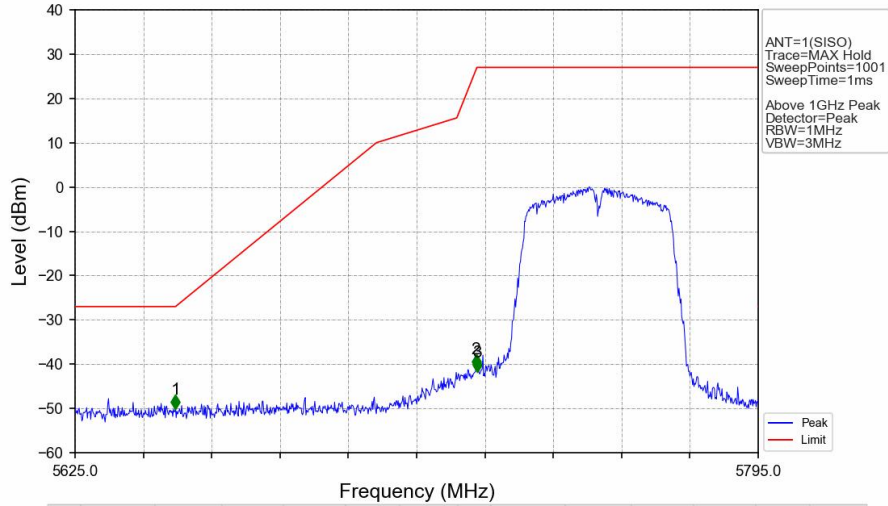
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
3	5725.000	-43.67	27.00	70.67	Pass	Peak							

802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
3	5925.000	-53.68	-27.00	26.68	Pass	Peak							

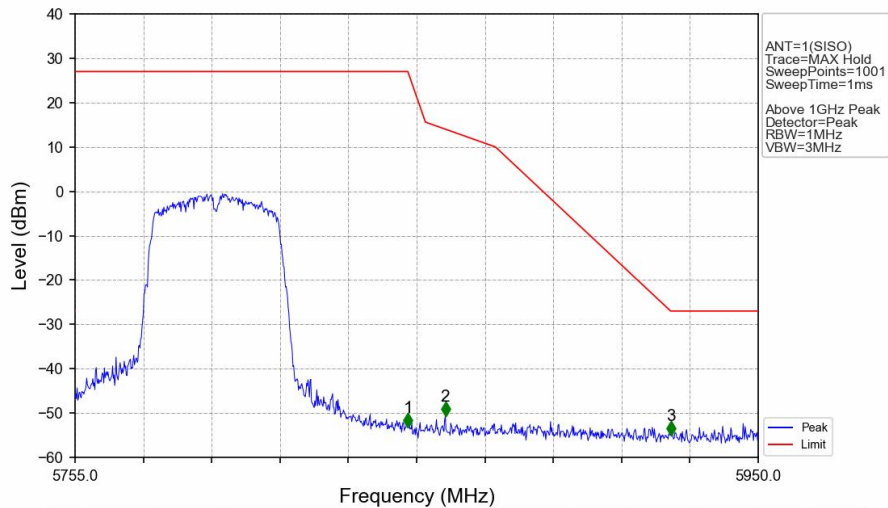
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



Frequency (MHz)

No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-50.07	-27.00	23.07	Pass	Peak	3	5725.000	-41.69	27.00	68.69	Pass	Peak
2	5724.790	-40.94	26.52	67.46	Pass	Peak							

802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



Frequency (MHz)

No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-53.26	27.00	80.26	Pass	Peak	3	5925.000	-55.03	-27.00	28.03	Pass	Peak
2	5860.690	-50.69	14.01	64.70	Pass	Peak							

-THE END-