

1. Duty Cycle

1.1 Test Result

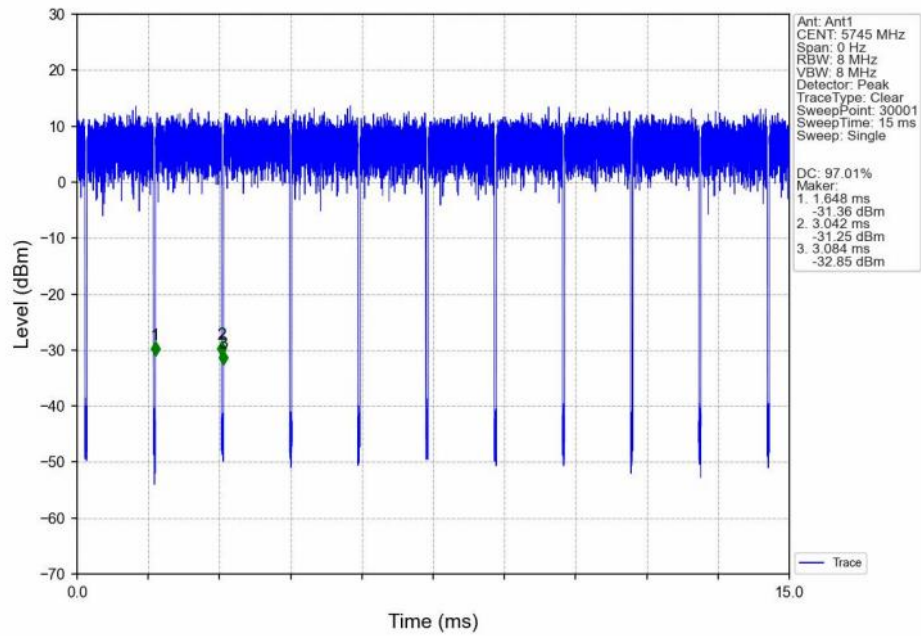
1.1.1 Ant1

Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	/	/	1.394	1.437	97.01	0.13	0.03
		5785	/	/	1.394	1.436	97.08	0.13	0.03
		5825	/	/	1.394	1.436	97.08	0.13	0.03
802.11n (HT20)	SISO	5745	/	/	1.302	1.344	96.88	0.14	0.03
		5785	/	/	1.302	1.345	96.80	0.14	0.03
		5825	/	/	1.302	1.346	96.73	0.14	0.07
802.11n (HT40)	SISO	5755	/	/	0.649	0.692	93.79	0.28	0.04
		5795	/	/	0.648	0.692	93.64	0.29	0.04
802.11ac (VHT20)	SISO	5745	/	/	1.314	1.357	96.83	0.14	0.03
		5785	/	/	1.313	1.356	96.83	0.14	0.00
		5825	/	/	1.314	1.357	96.83	0.14	0.03
802.11ac (VHT40)	SISO	5755	/	/	0.652	0.696	93.68	0.28	0.03
		5795	/	/	0.653	0.696	93.82	0.28	0.03
802.11ac (VHT80)	SISO	5775	/	/	0.324	0.368	88.04	0.55	0.07
802.11ax (HEW20)	SISO	5745	SU	/	1.312	1.356	96.76	0.14	0.03
		5785	SU	/	1.313	1.357	96.76	0.14	0.03
		5825	SU	/	1.313	1.357	96.76	0.14	0.03
802.11ax (HEW40)	SISO	5755	SU	/	0.653	0.697	93.69	0.28	0.06
		5795	SU	/	0.653	0.697	93.69	0.28	0.03
802.11ax (HEW80)	SISO	5775	SU	/	0.324	0.368	88.04	0.55	0.08

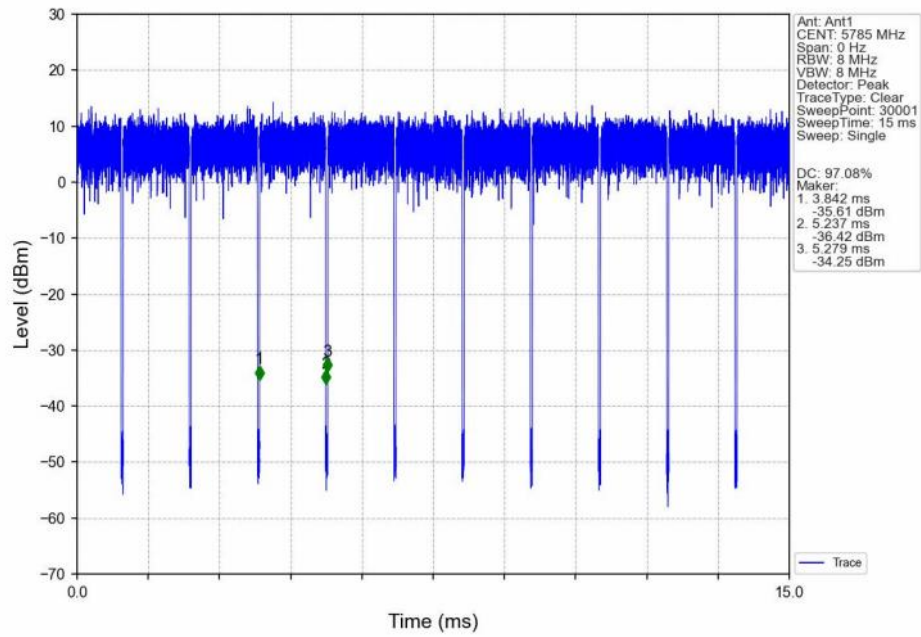
1.2 Test Graph

1.2.1 Ant1

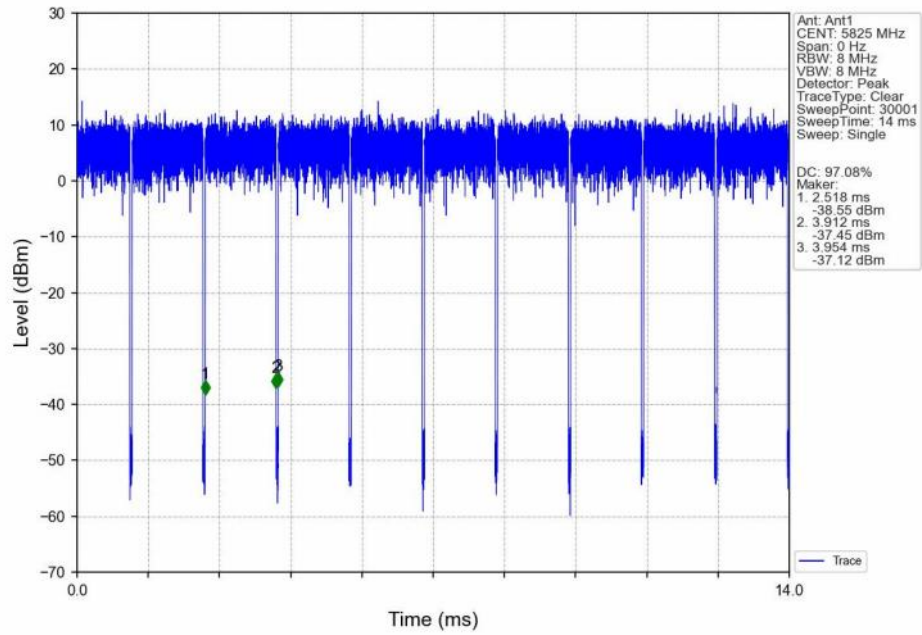
802.11a_LCH_5745MHz_Ant1_NTNV



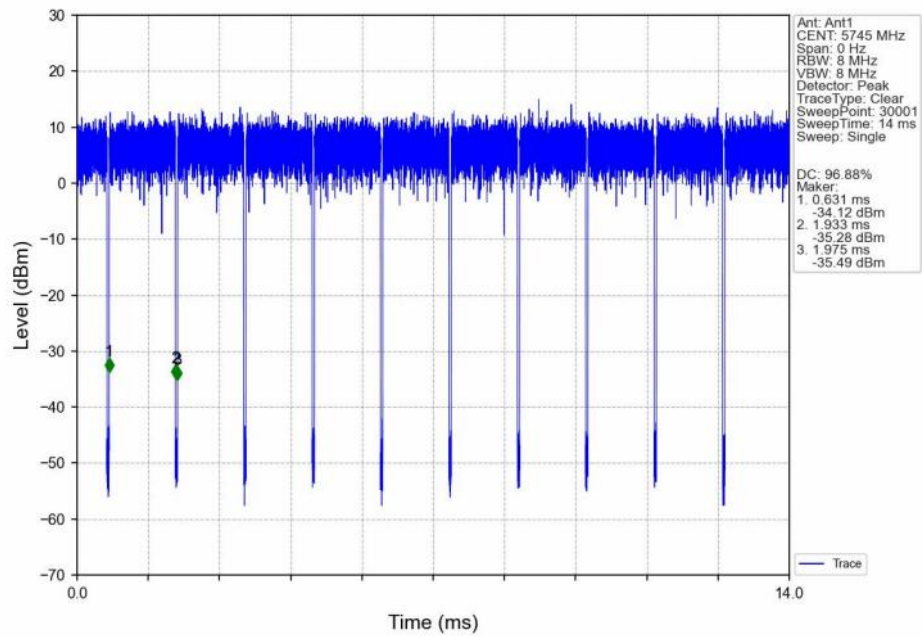
802.11a_MCH_5785MHz_Ant1_NTNV



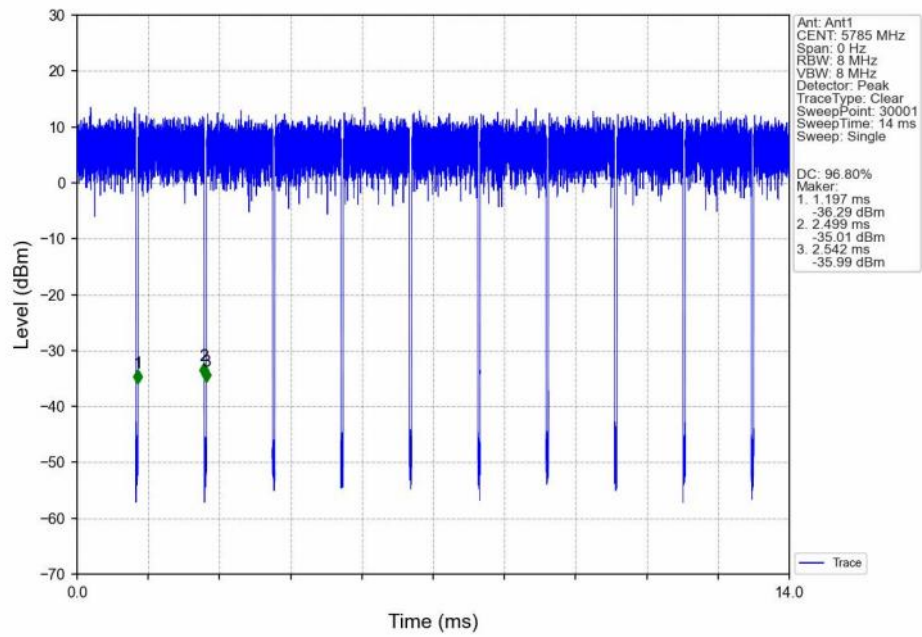
802.11a_HCH_5825MHz_Ant1_NTNV



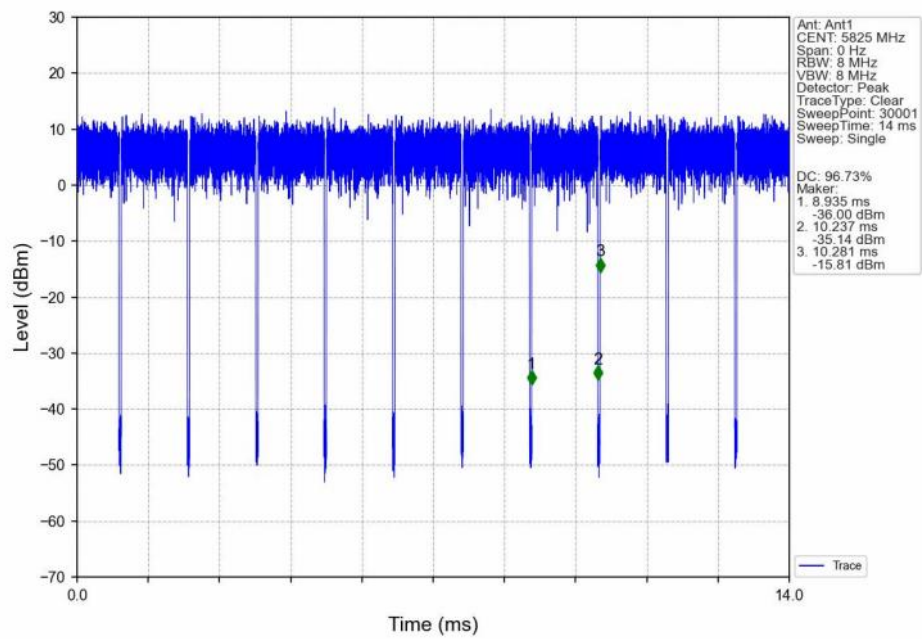
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



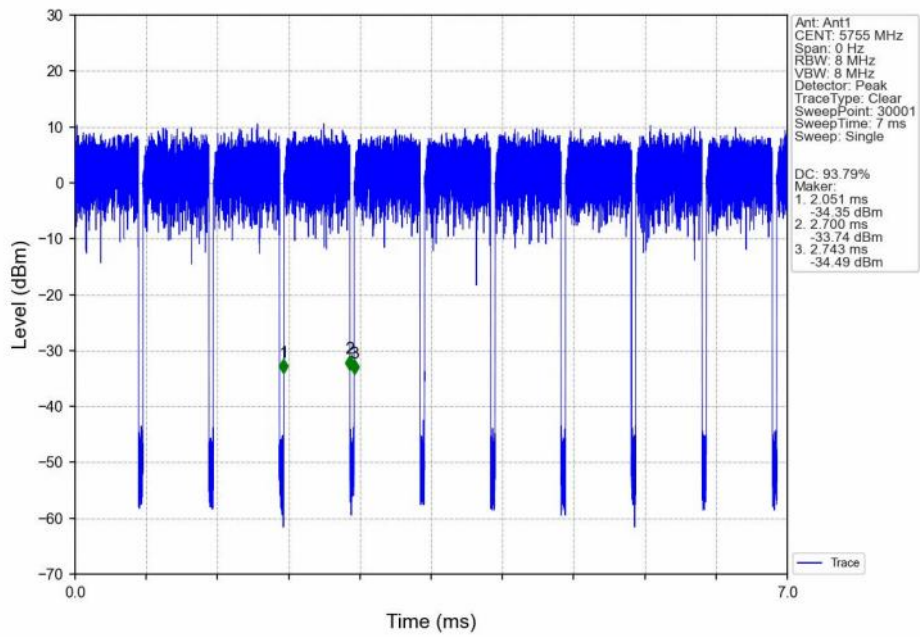
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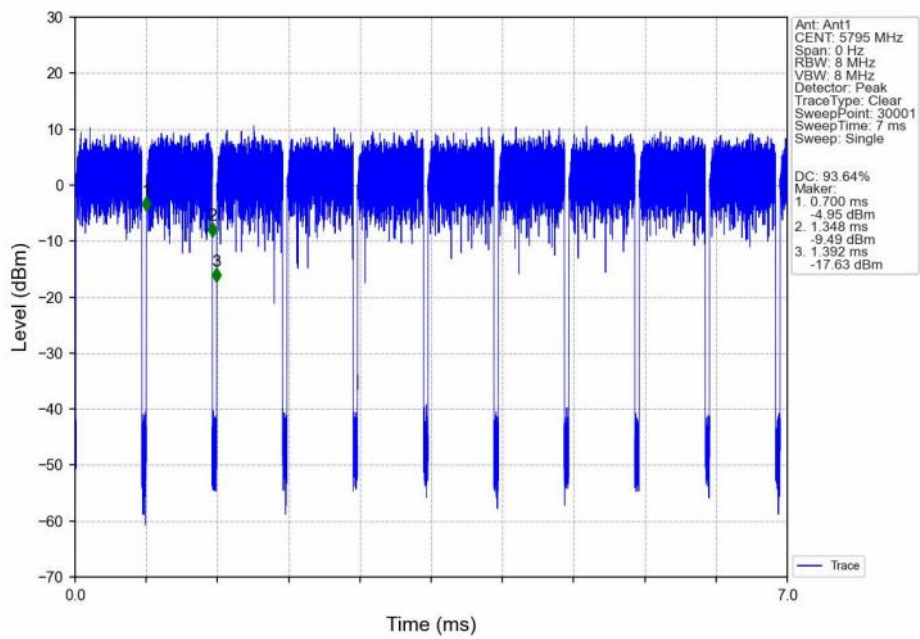
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



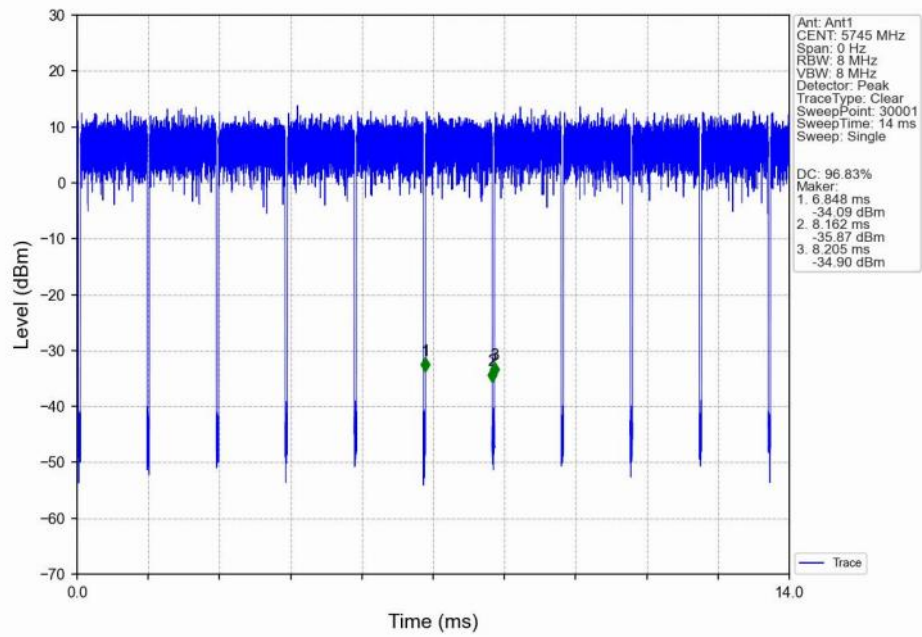
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



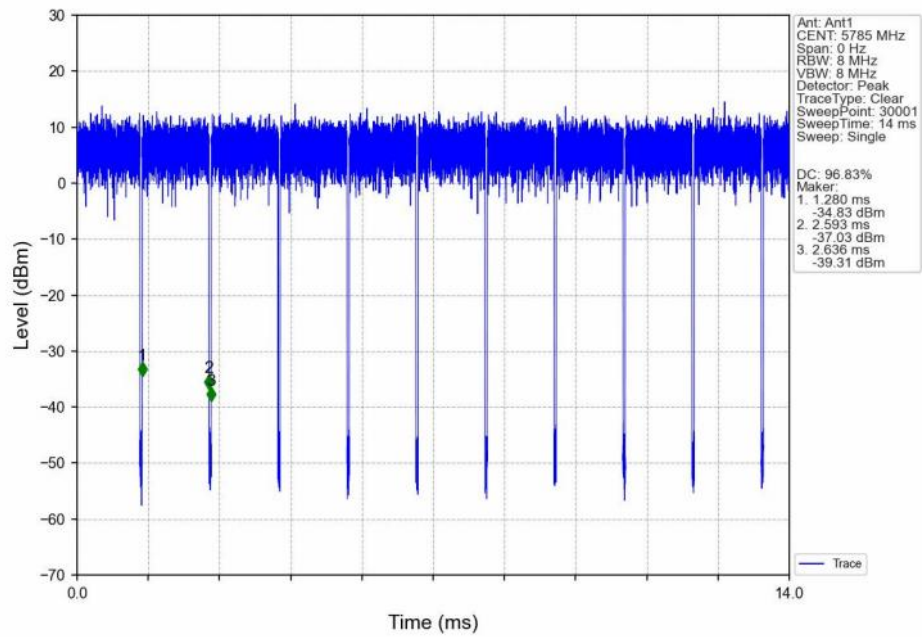
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



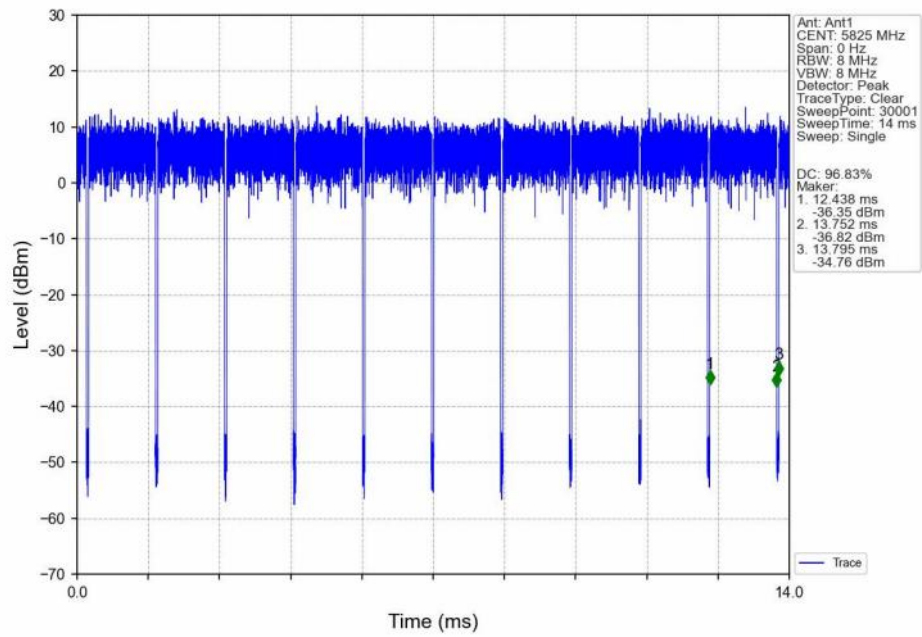
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



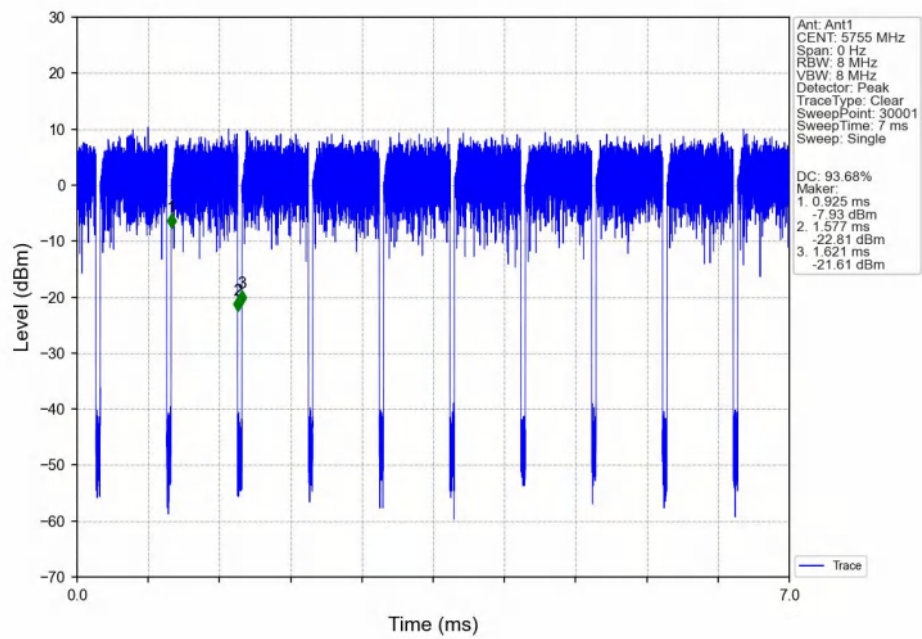
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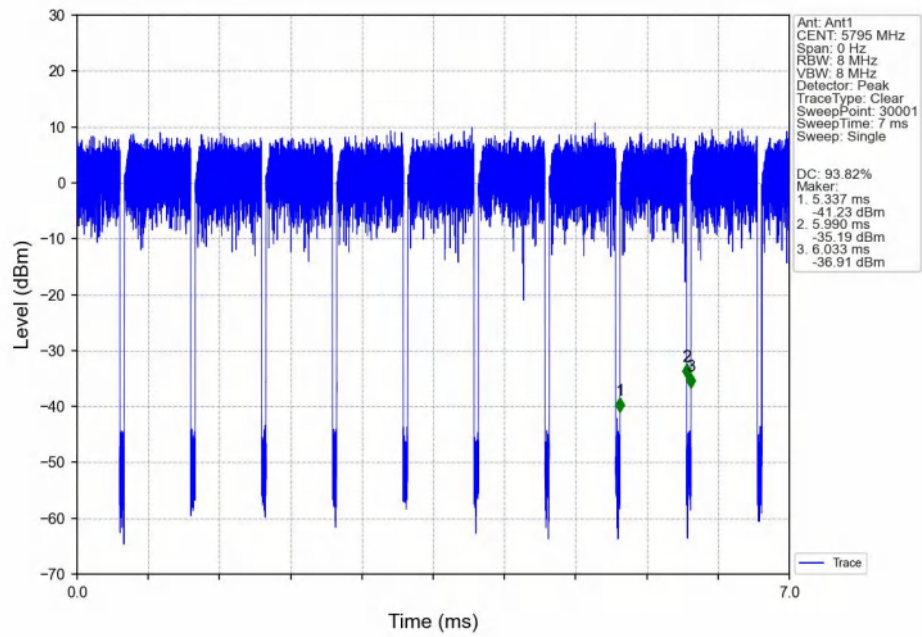
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



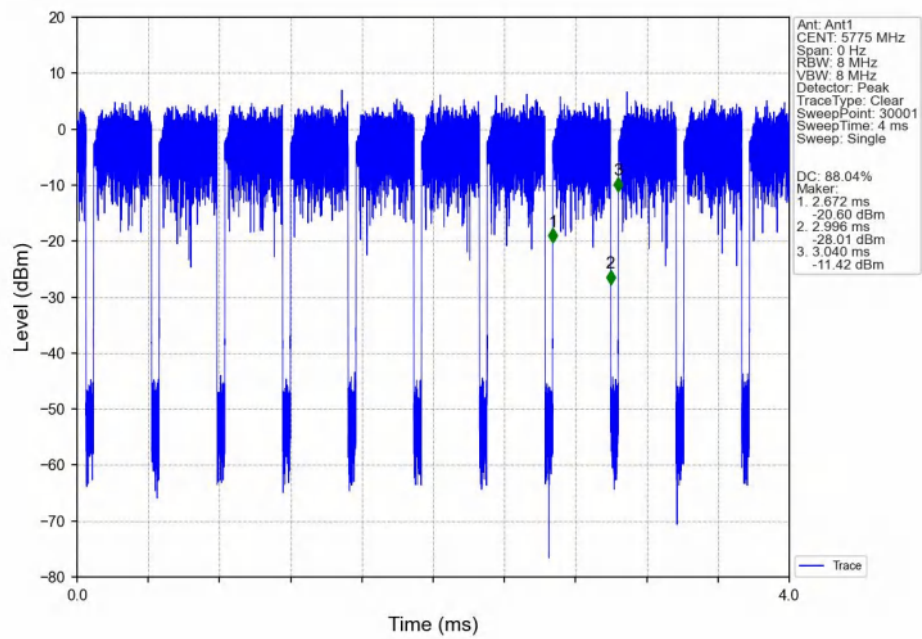
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



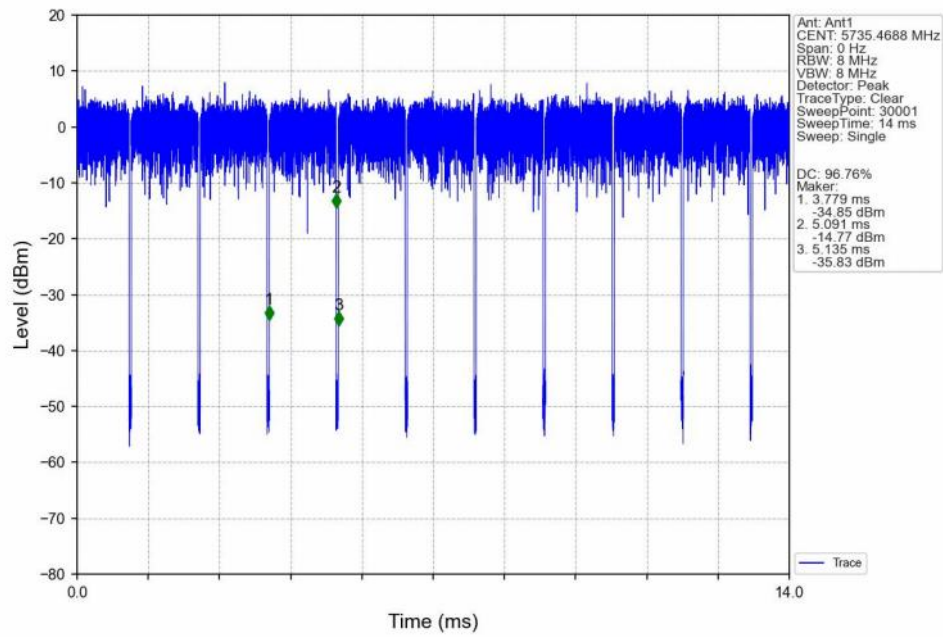
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



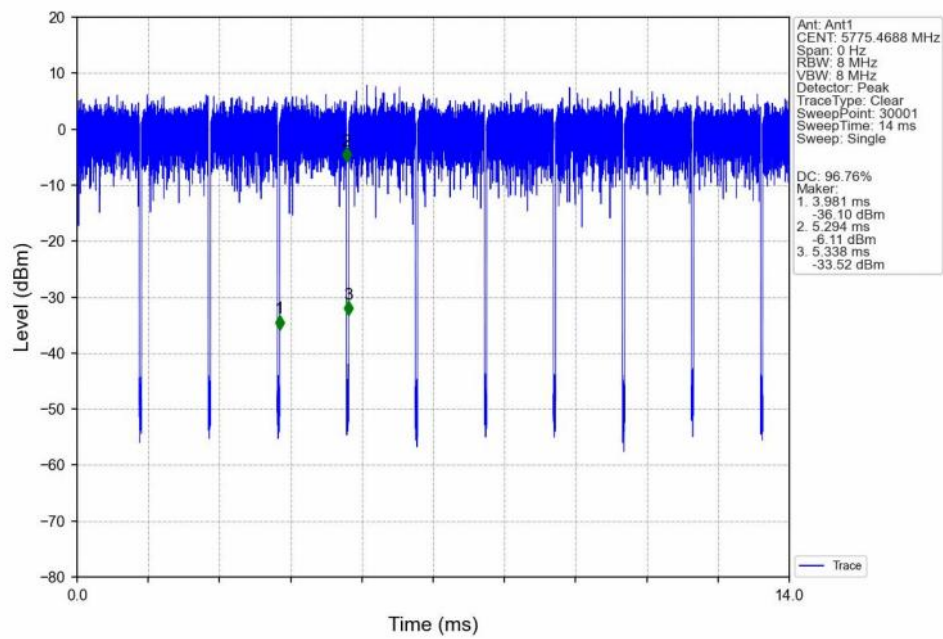
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



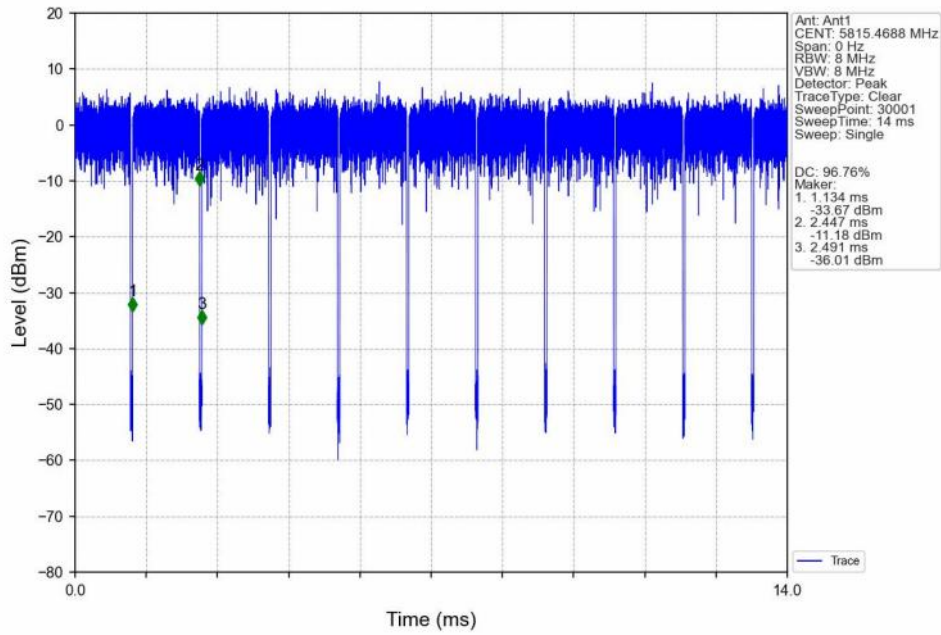
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



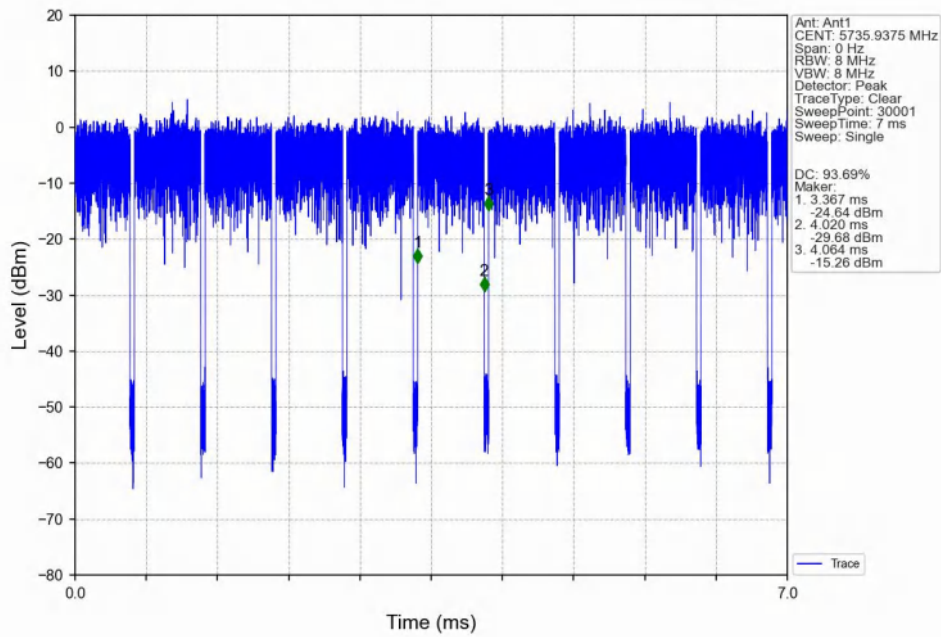
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



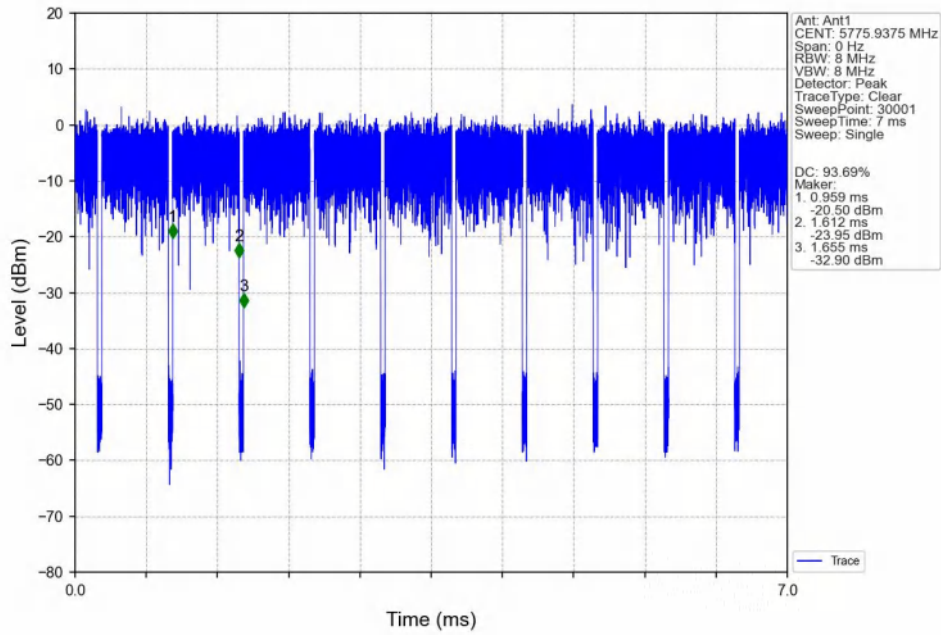
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



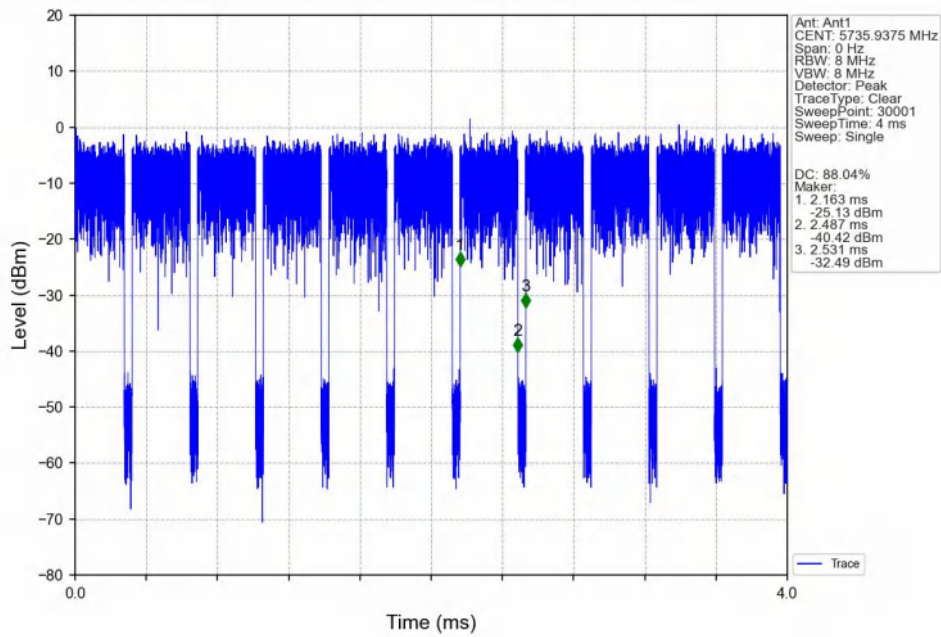
802.11ax(HEW40)_LCH_5755MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	17.112	/	Pass
		5785	/	/	1	17.051	/	Pass
		5825	/	/	1	17.144	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	18.030	/	Pass
		5785	/	/	1	18.056	/	Pass
		5825	/	/	1	18.145	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.428	/	Pass
		5795	/	/	1	36.288	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.963	/	Pass
		5785	/	/	1	17.987	/	Pass
		5825	/	/	1	17.991	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.275	/	Pass
		5795	/	/	1	36.133	/	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.742	/	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	18.082	/	Pass
		5785	SU	/	1	17.939	/	Pass
		5825	SU	/	1	18.021	/	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	36.278	/	Pass
		5795	SU	/	1	36.212	/	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	75.734	/	Pass

2.1.2 6dB BW

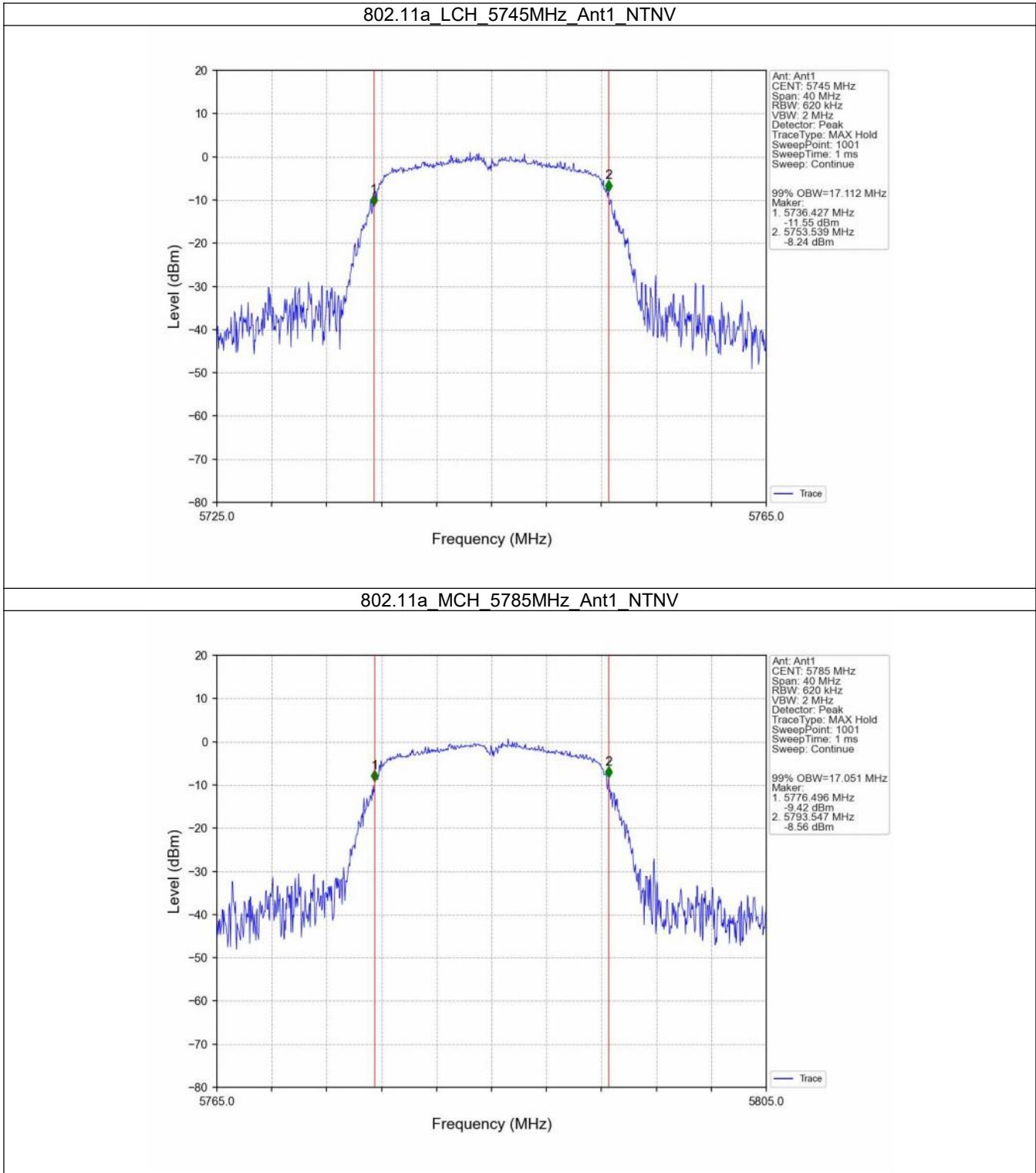
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	15.050	>=0.5	Pass
		5785	/	/	1	15.676	>=0.5	Pass
		5825	/	/	1	15.287	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	15.118	>=0.5	Pass
		5785	/	/	1	15.142	>=0.5	Pass
		5825	/	/	1	16.278	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	35.137	>=0.5	Pass
		5795	/	/	1	35.105	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	16.972	>=0.5	Pass
		5785	/	/	1	15.081	>=0.5	Pass
		5825	/	/	1	15.401	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	33.890	>=0.5	Pass
		5795	/	/	1	32.611	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.151	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	15.101	>=0.5	Pass
		5785	SU	/	1	14.518	>=0.5	Pass
		5825	SU	/	1	15.151	>=0.5	Pass
802.11ax	SISO	5755	SU	/	1	35.106	>=0.5	Pass

FCC ID: 2BWB2-BA100

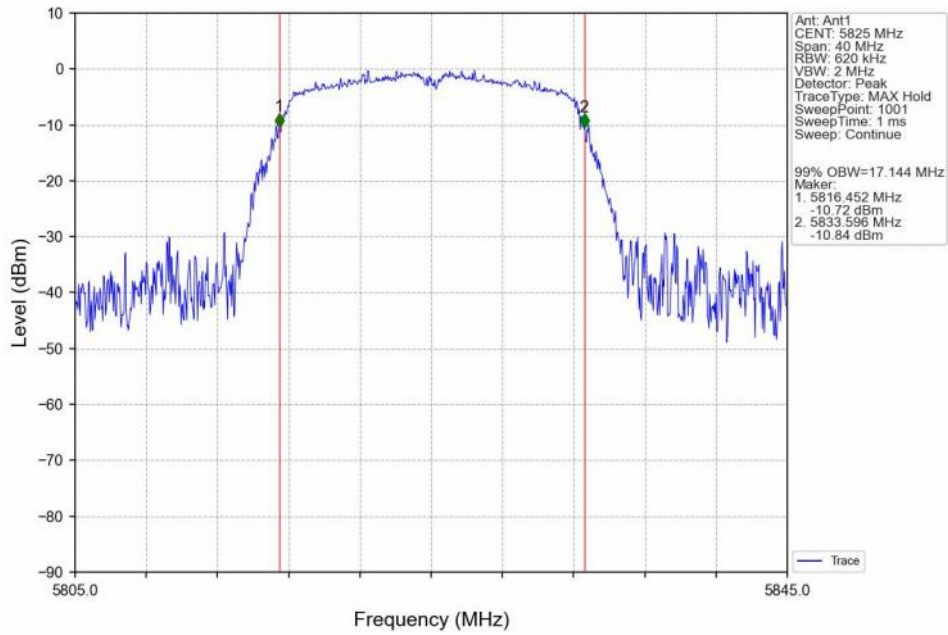
(HEW40)		5795	SU	/	1	35.077	≥ 0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	75.023	≥ 0.5	Pass

2.2 Test Graph

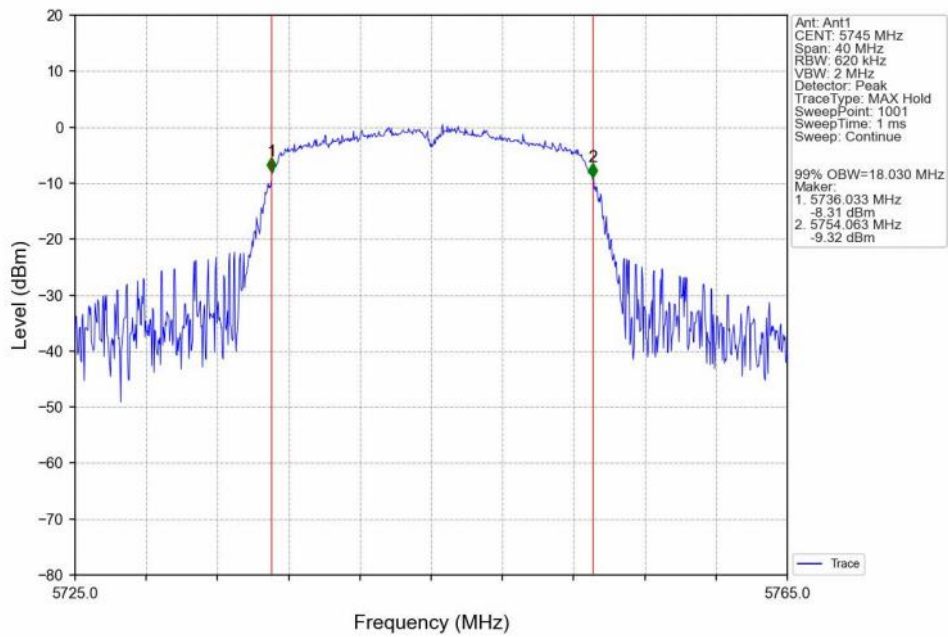
2.2.1 OBW



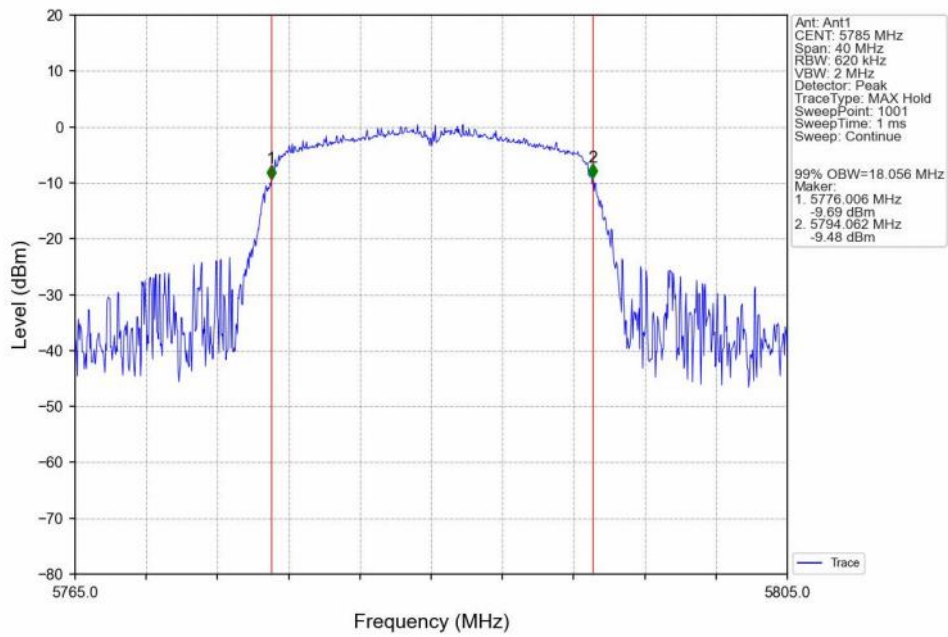
802.11a_HCH_5825MHz_Ant1_NTNV



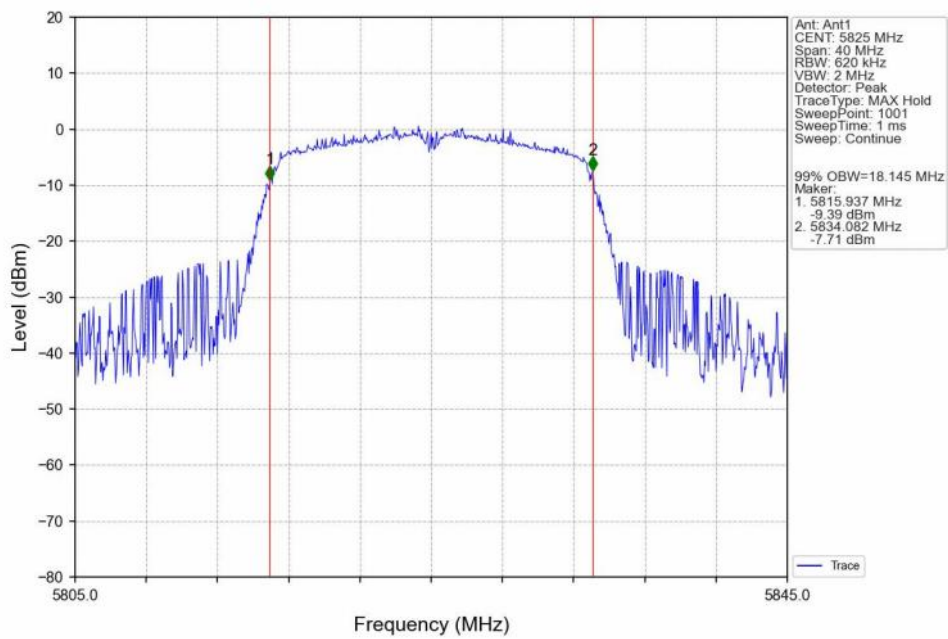
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



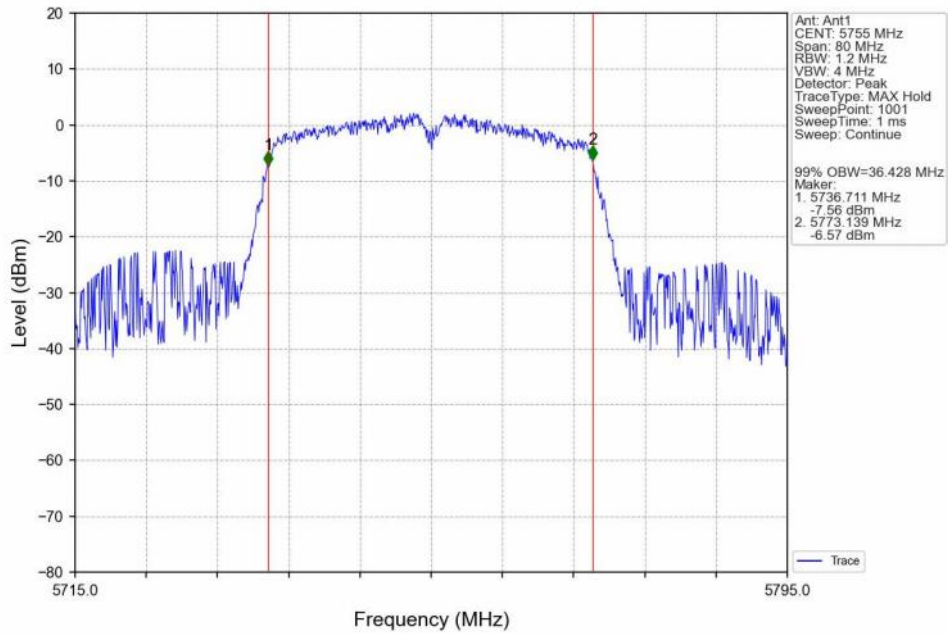
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



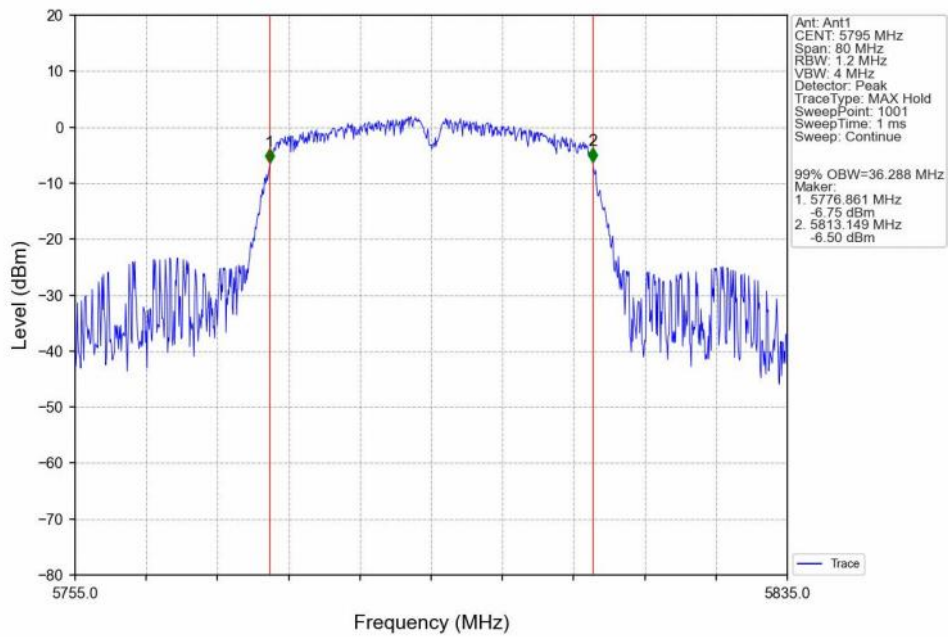
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



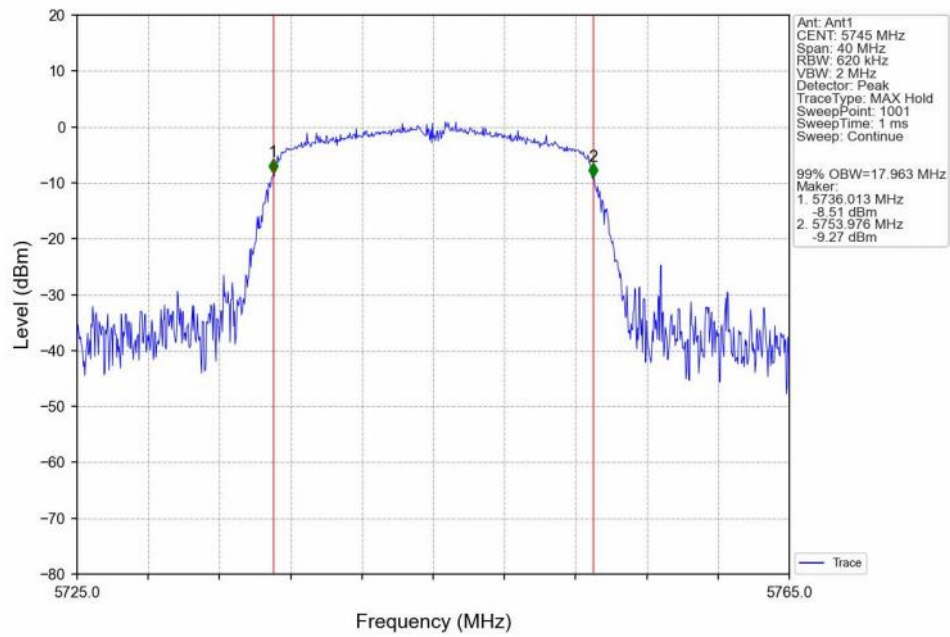
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



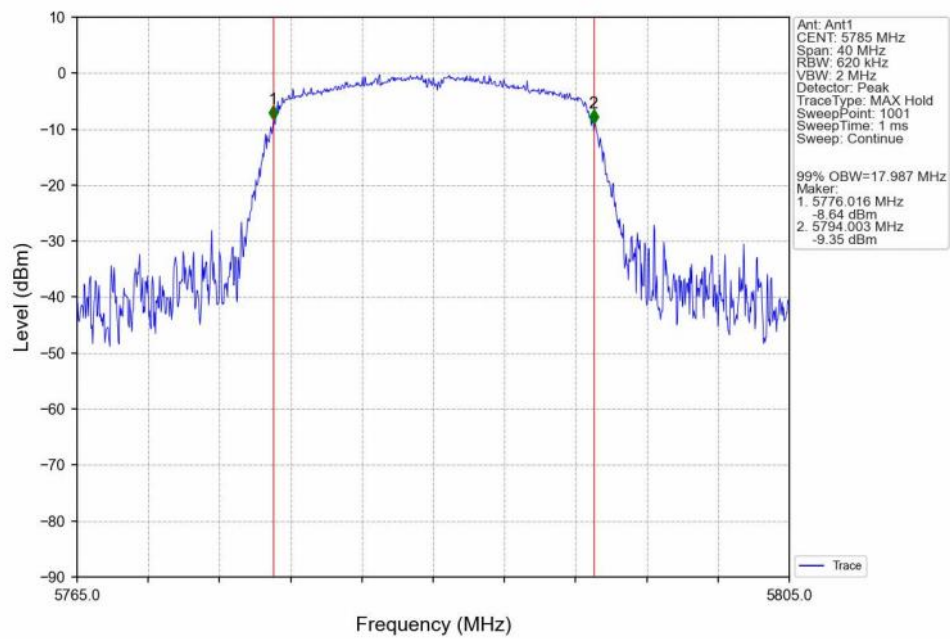
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



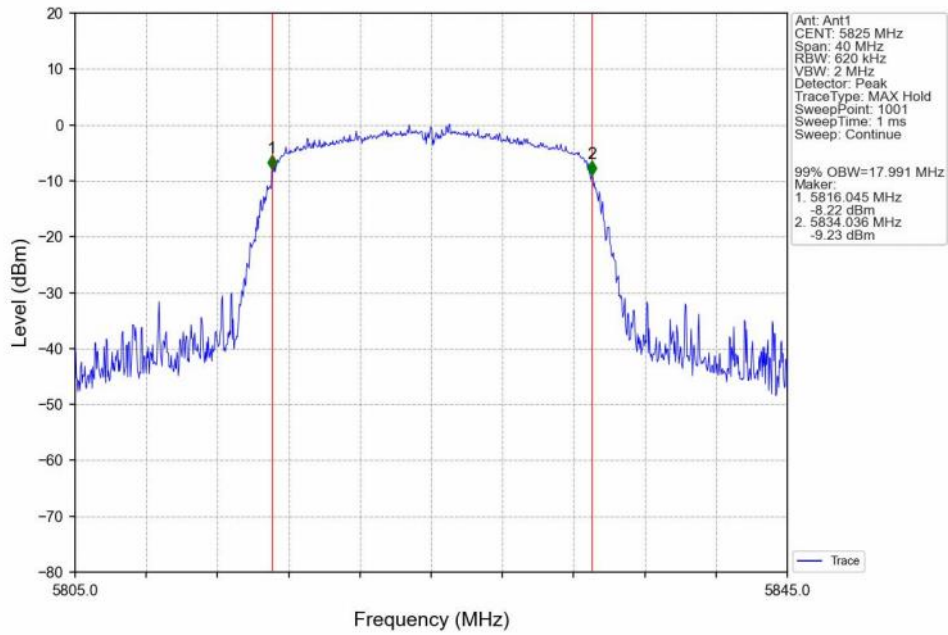
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



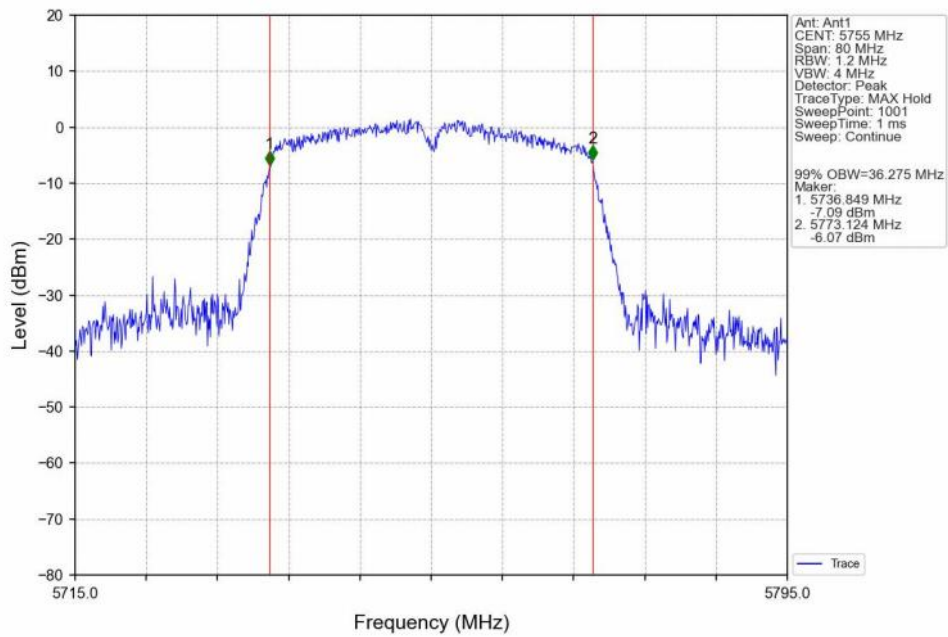
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



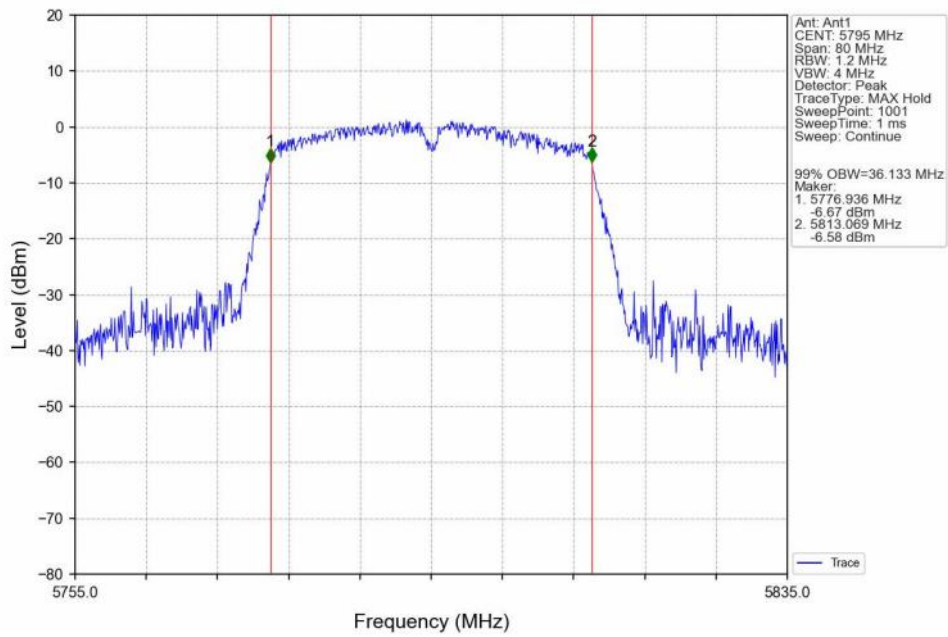
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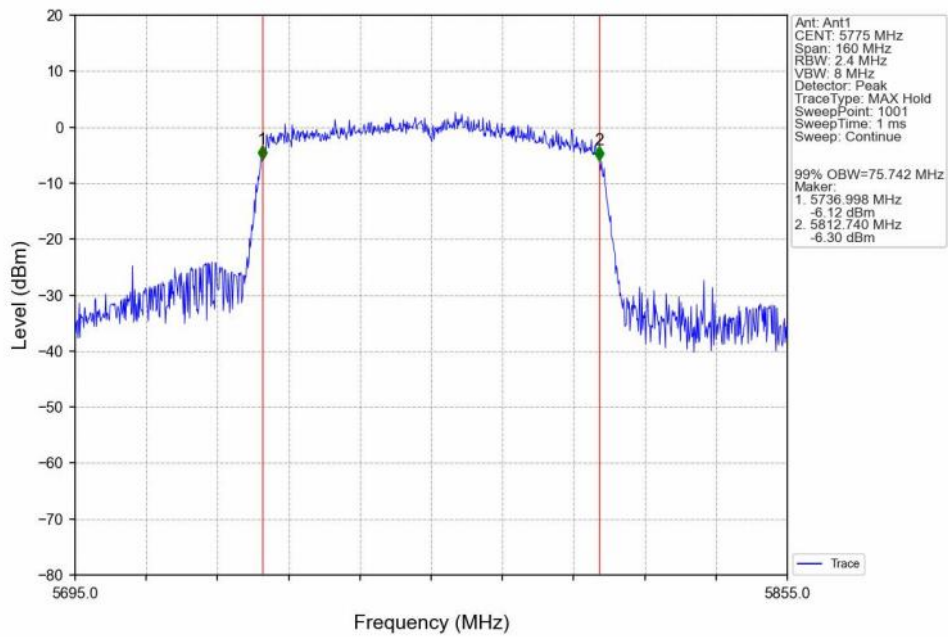
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



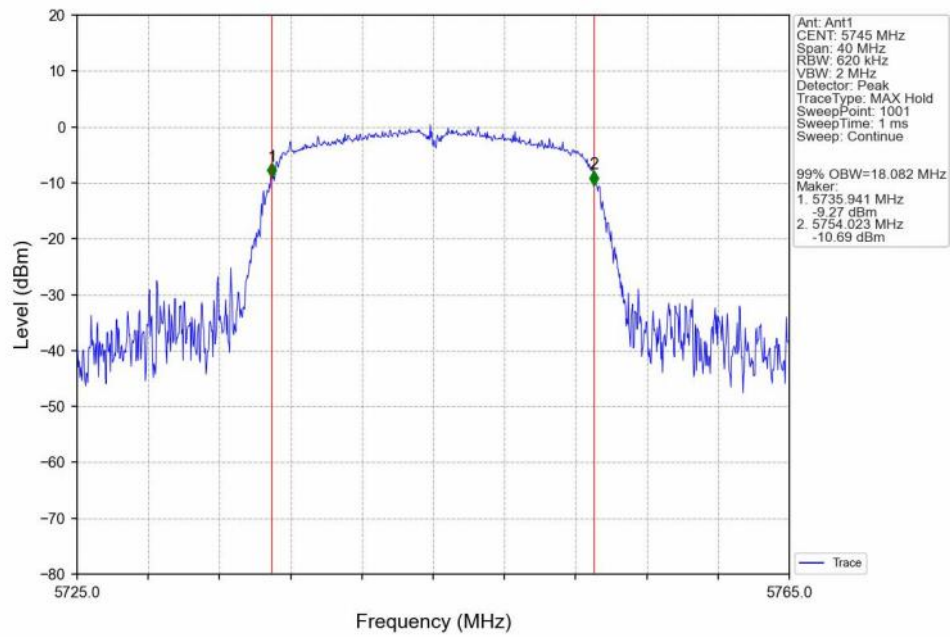
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



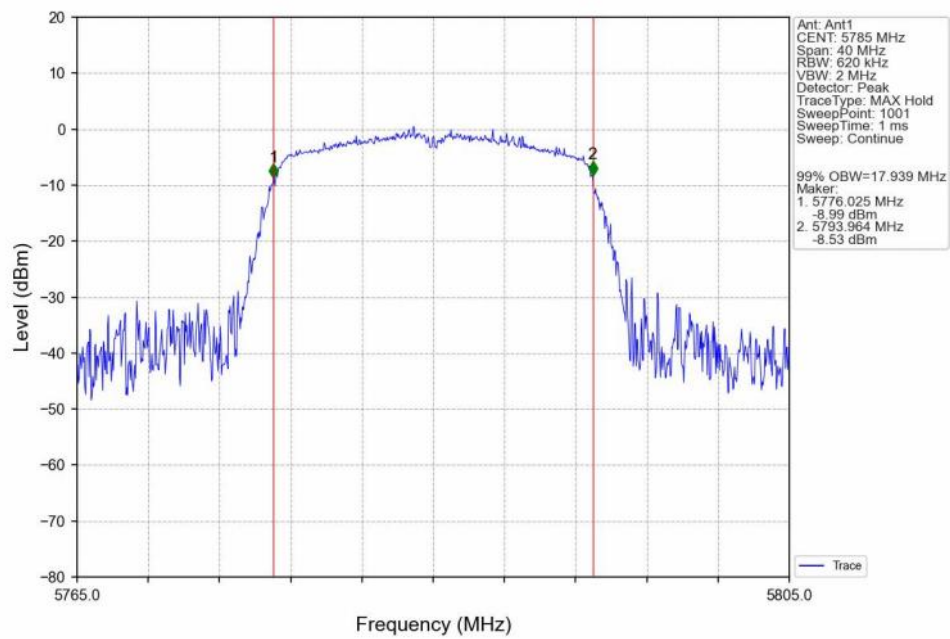
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



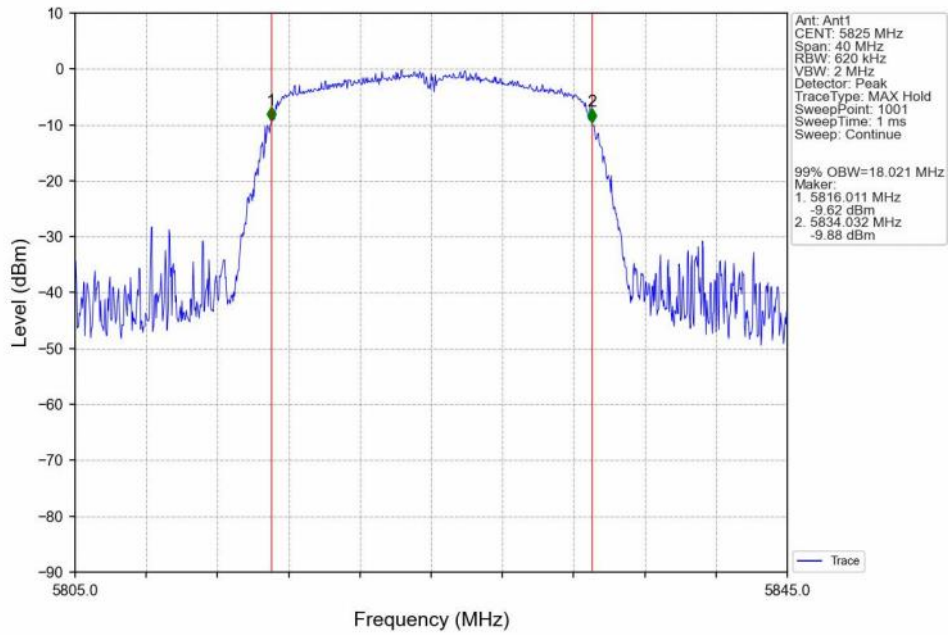
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



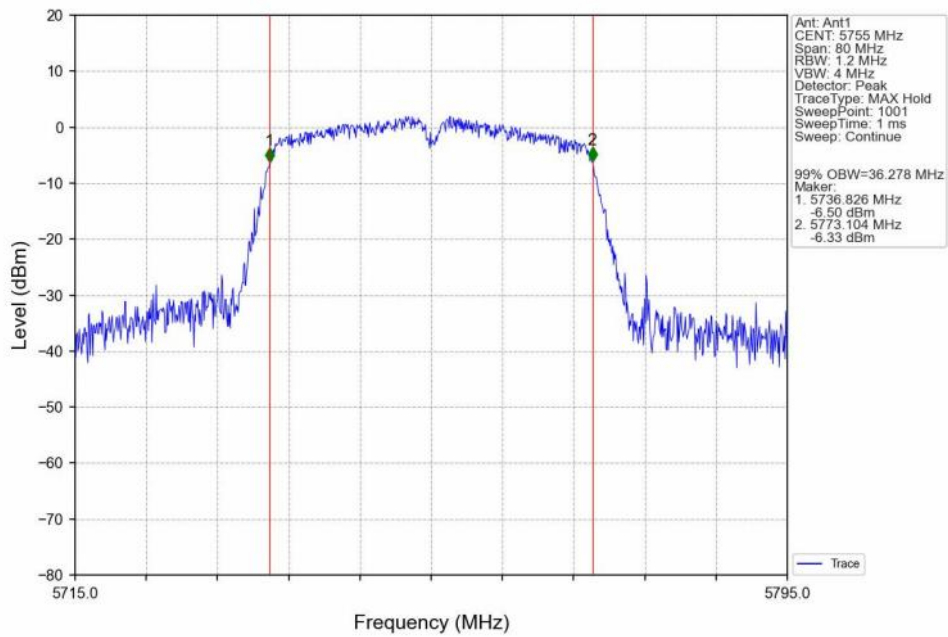
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



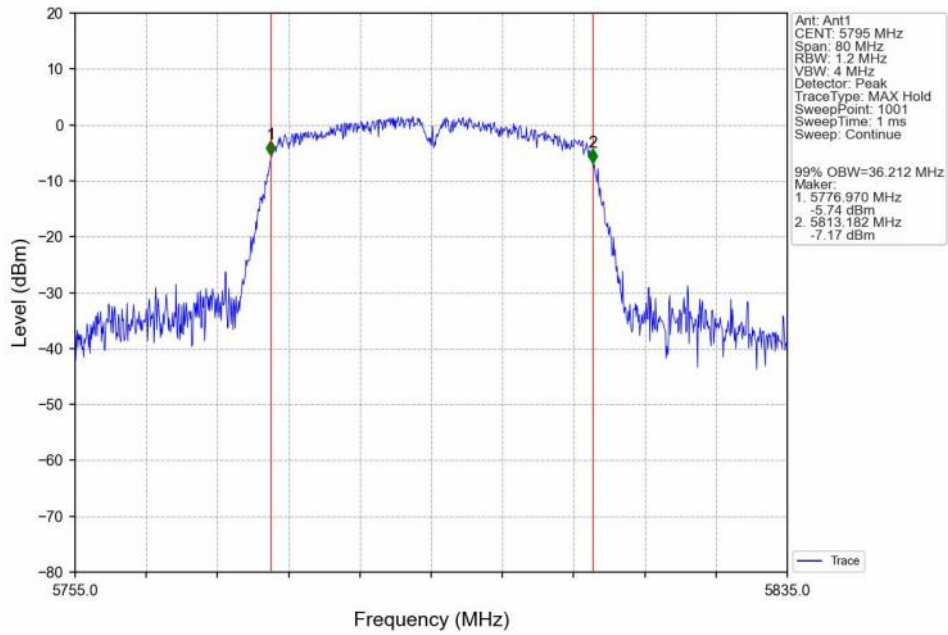
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



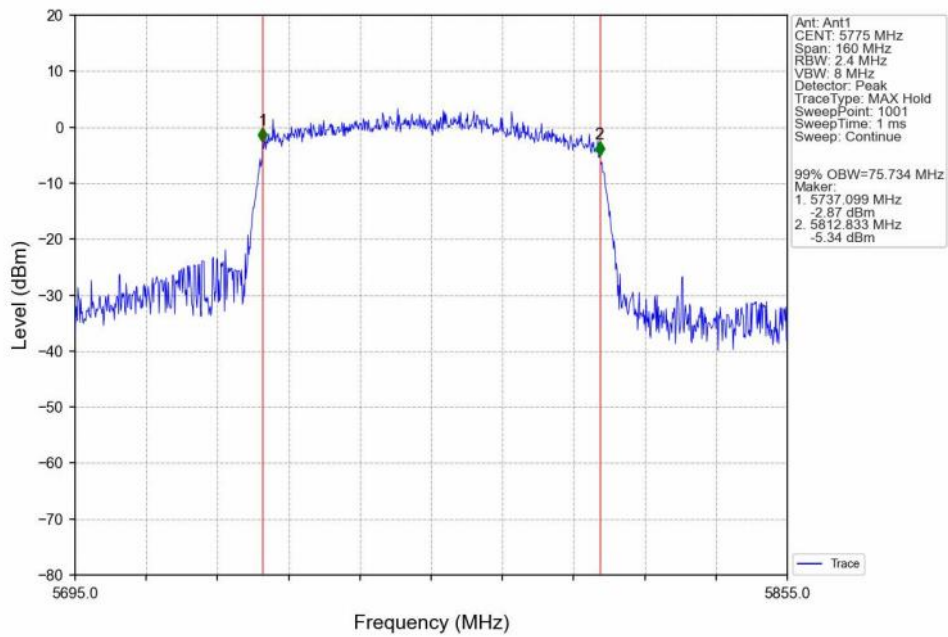
802.11ax(HEW40)_LCH_5755MHz_SU / Ant1_NTNV



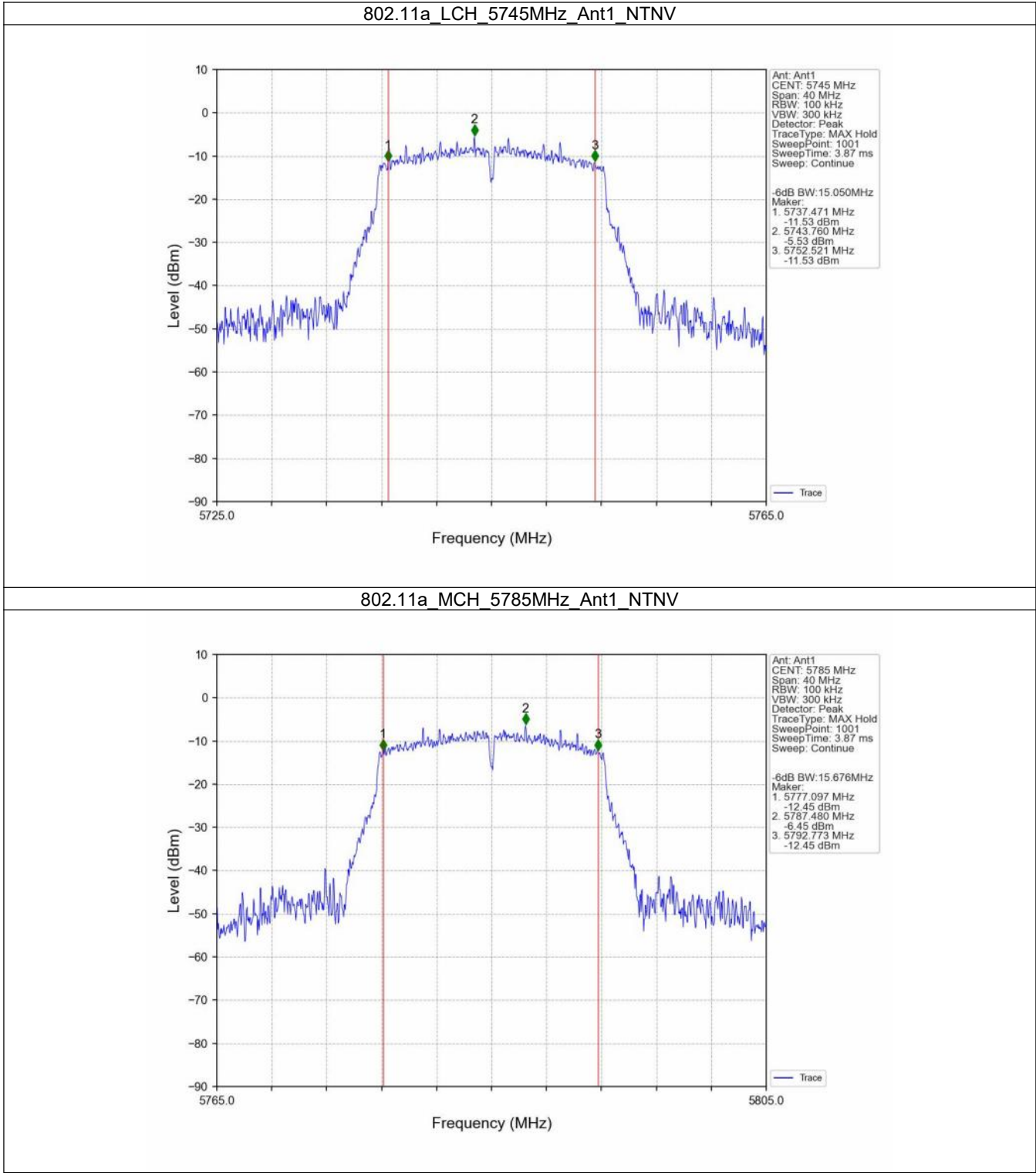
802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



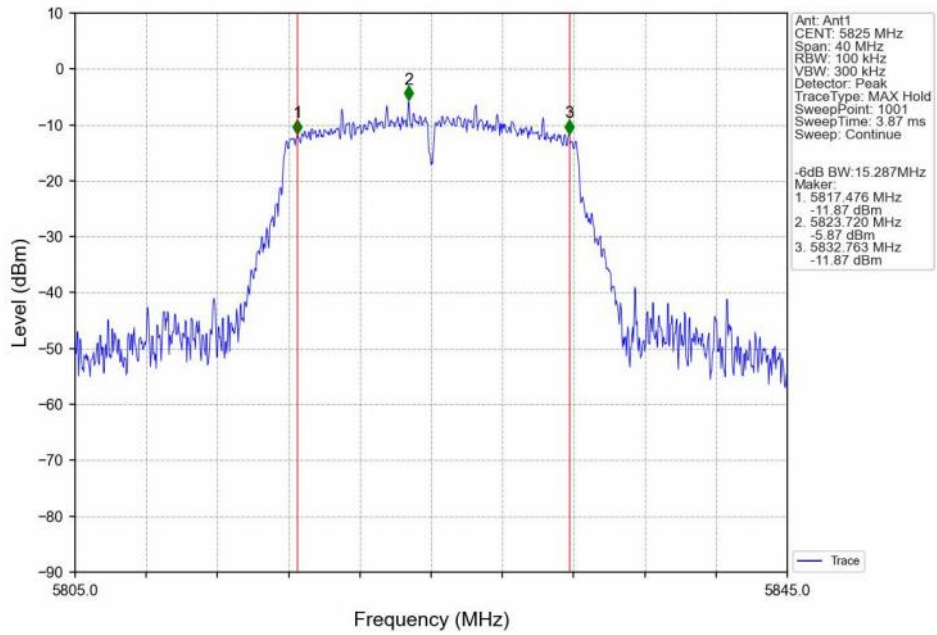
802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV



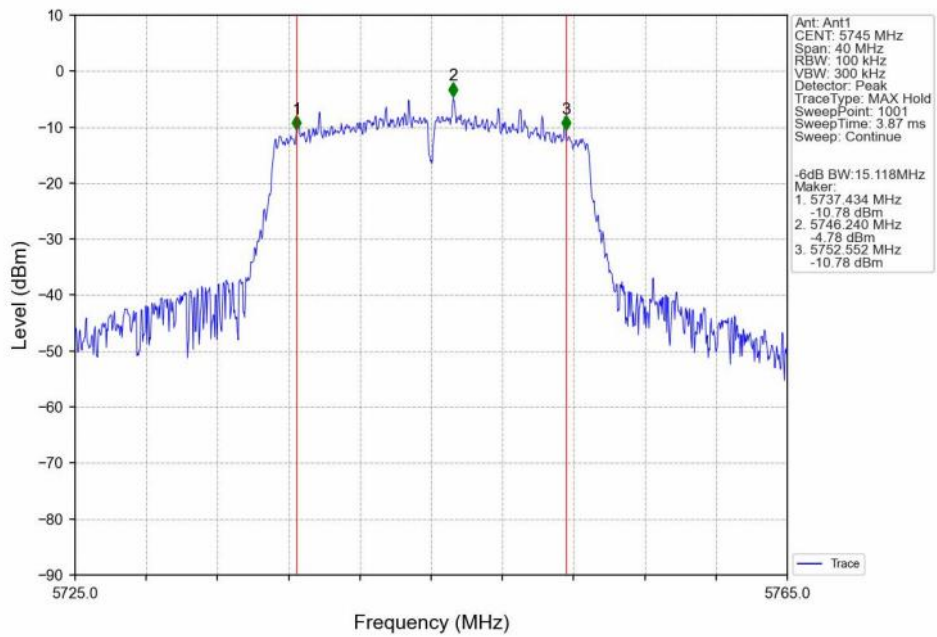
2.2.2 6dB BW



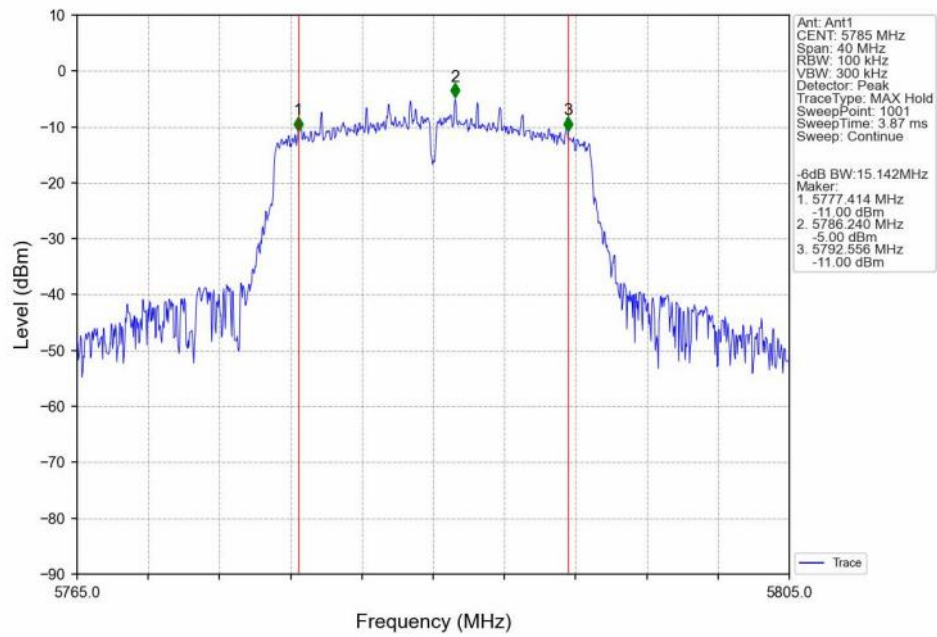
802.11a_HCH_5825MHz_Ant1_NTNV



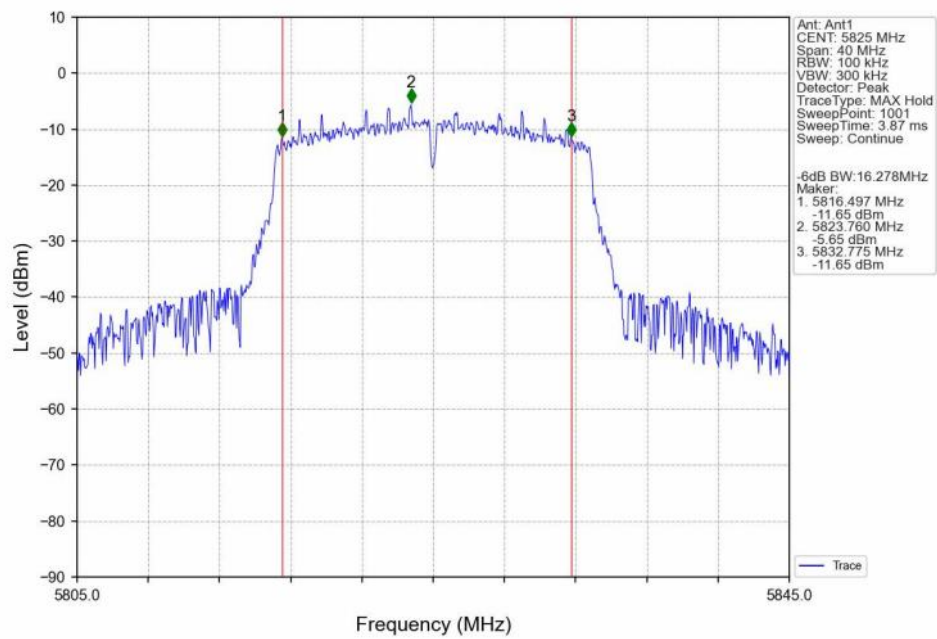
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



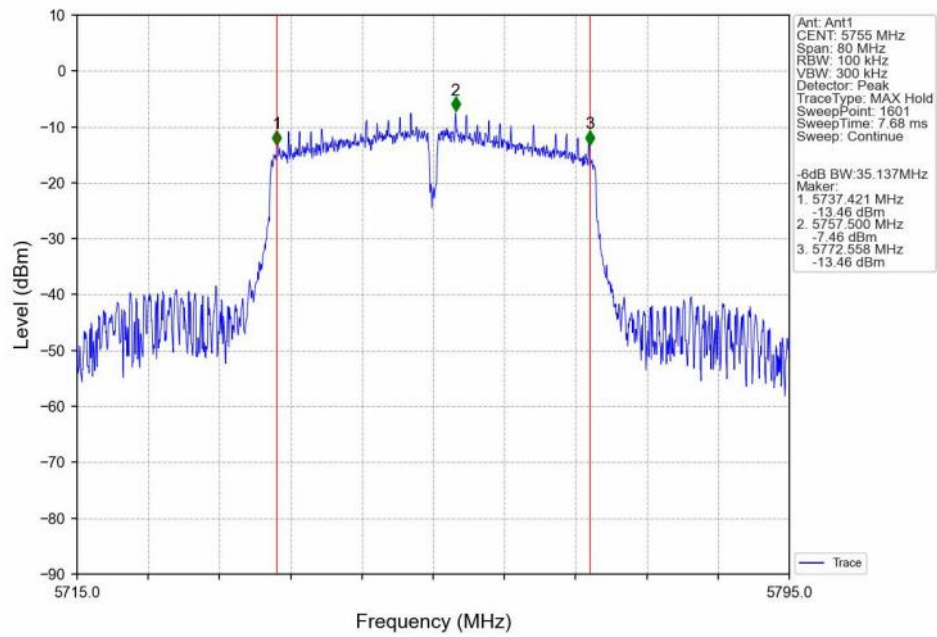
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



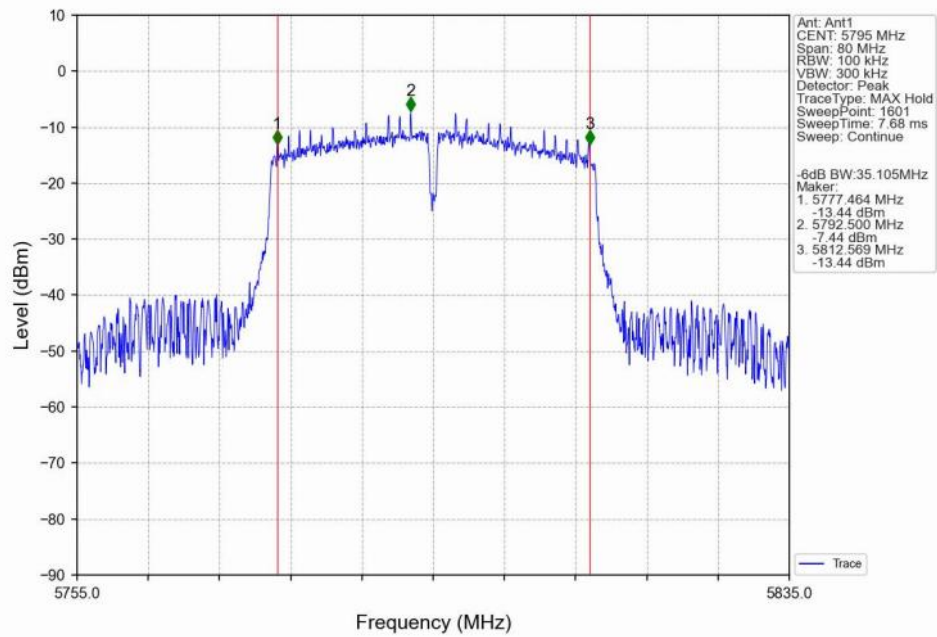
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



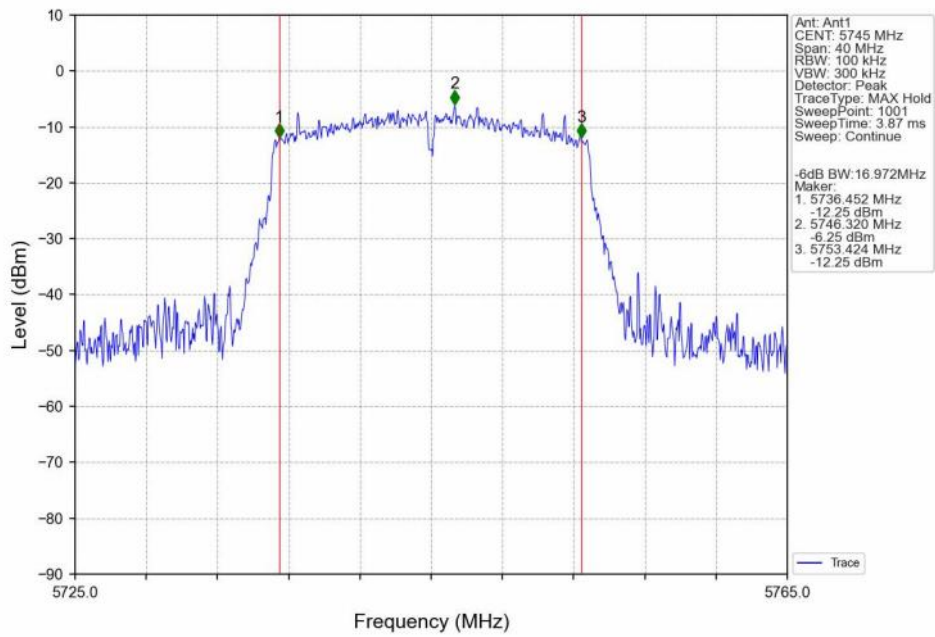
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



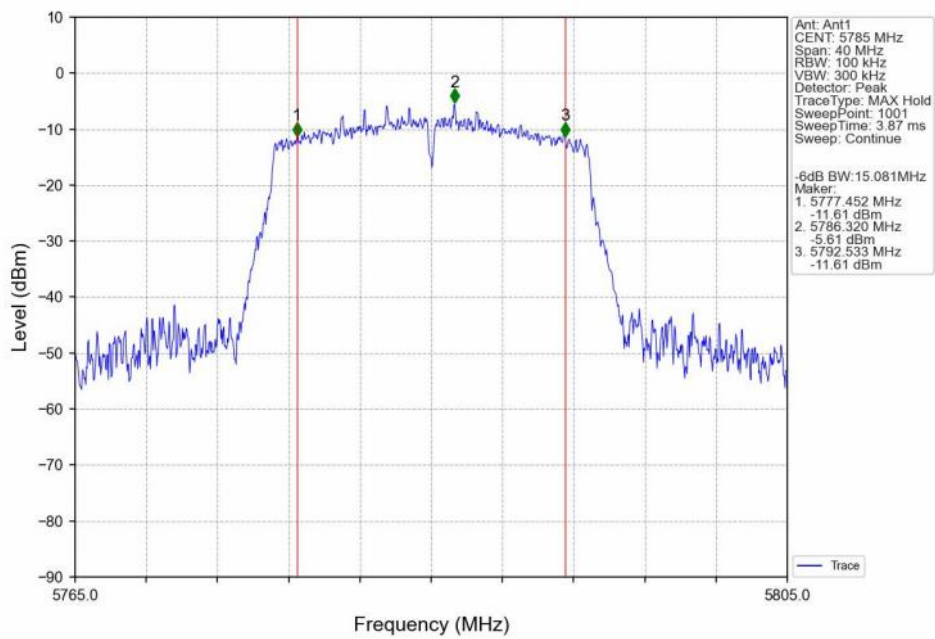
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



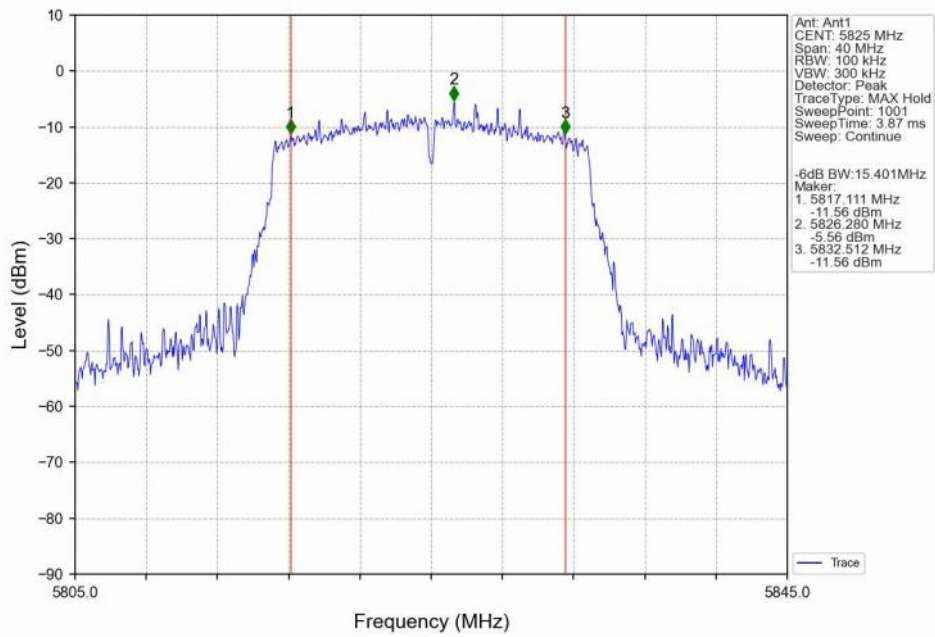
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



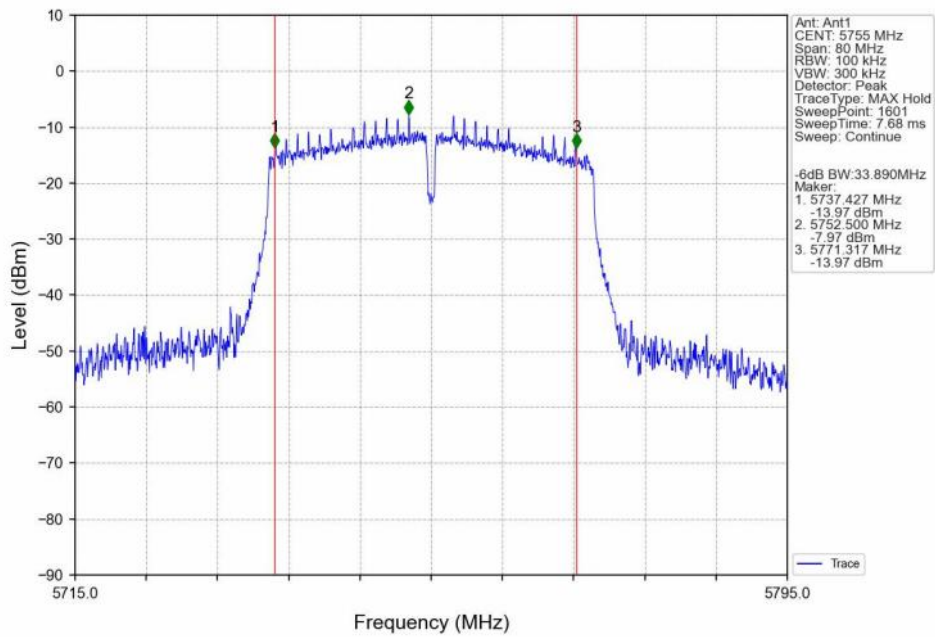
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



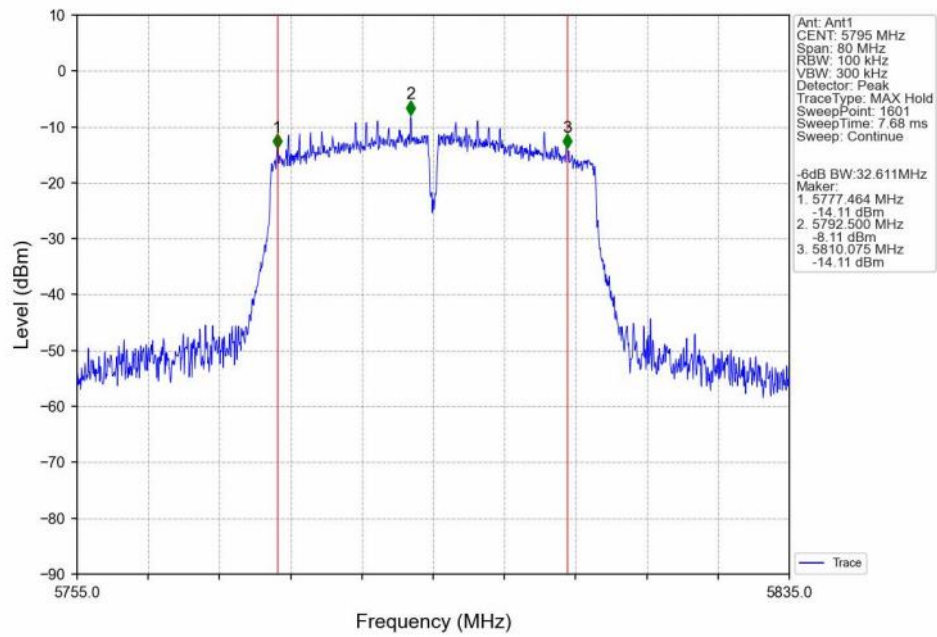
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



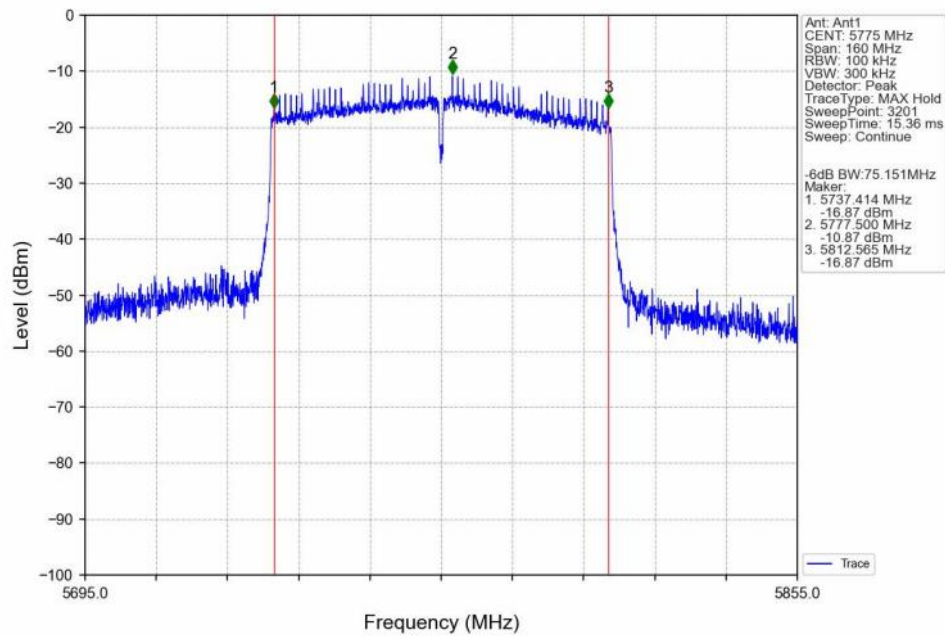
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



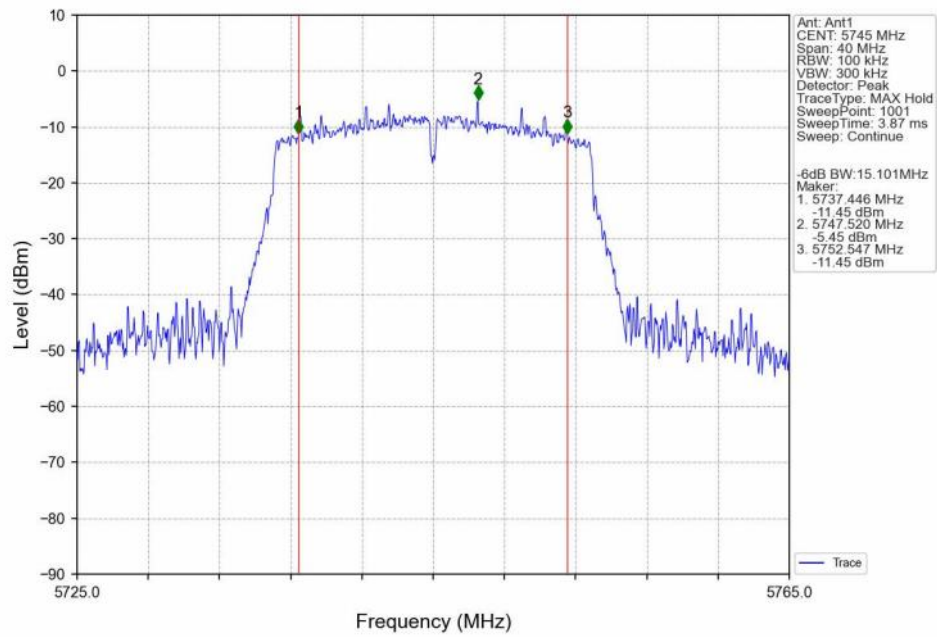
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



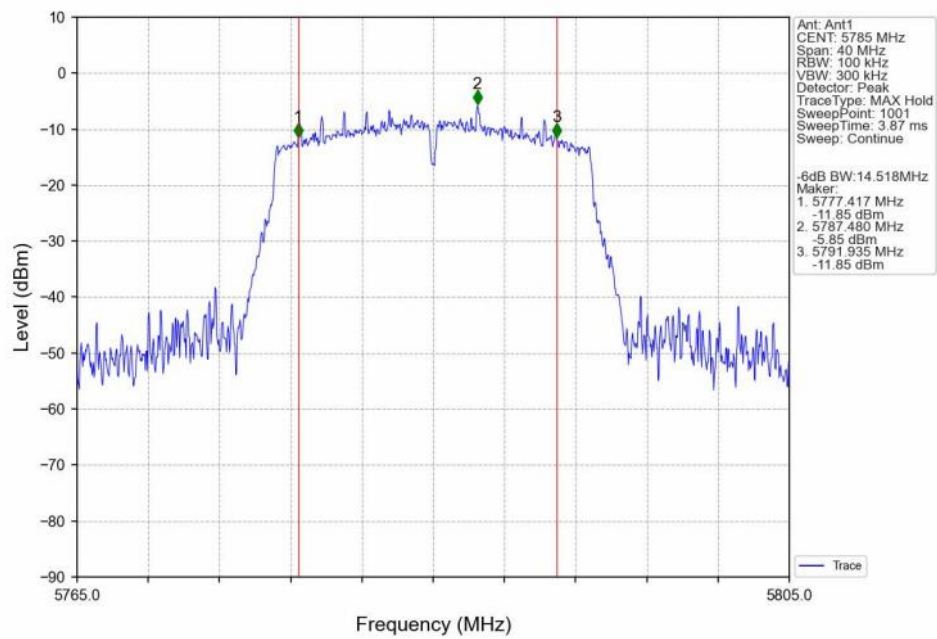
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



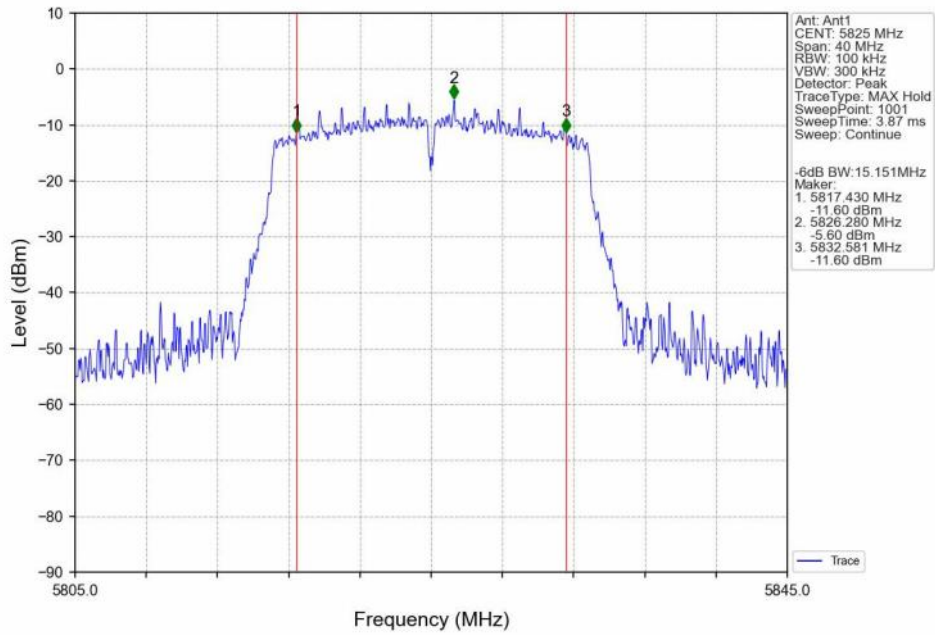
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



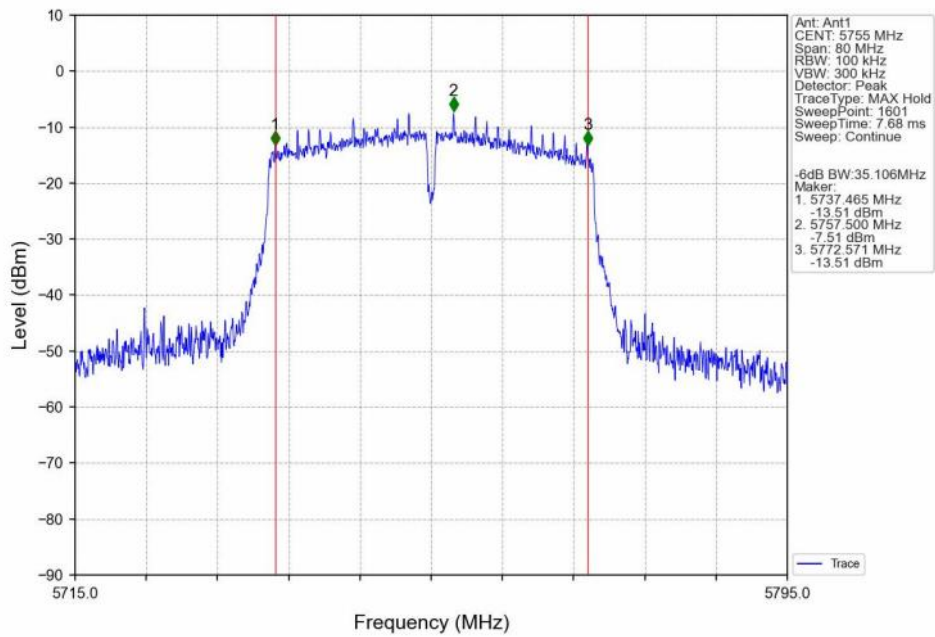
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



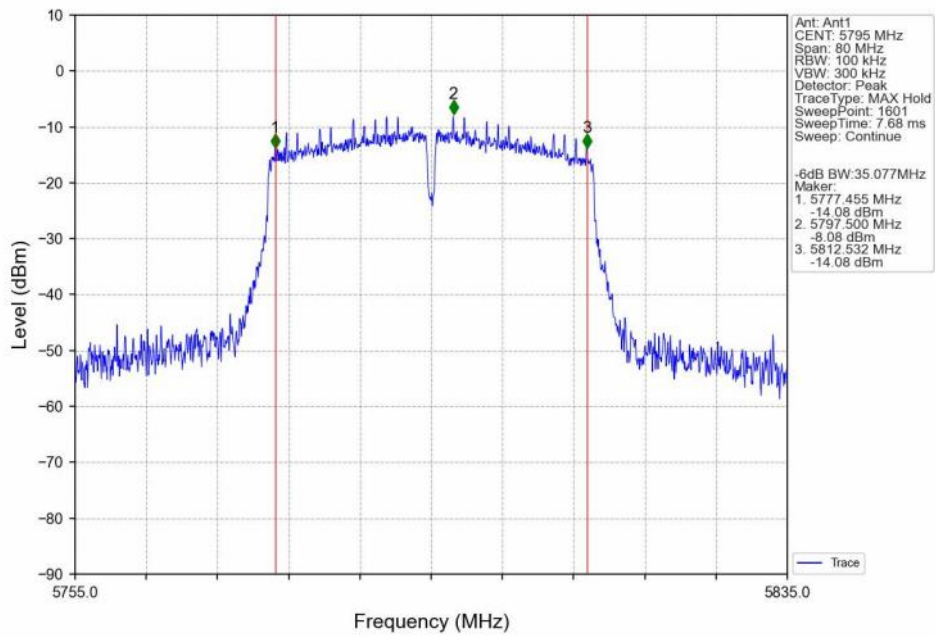
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



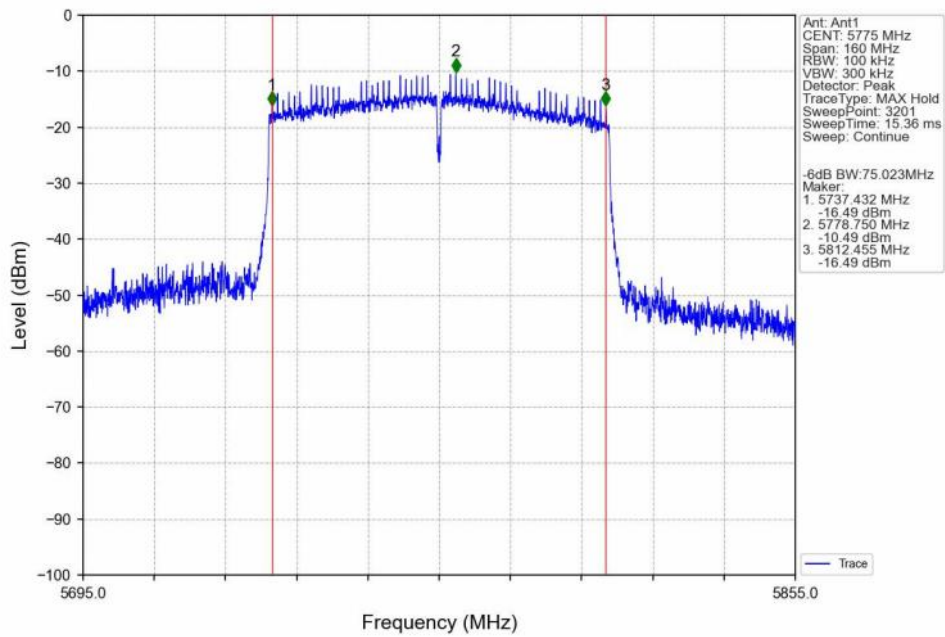
802.11ax(HEW40)_LCH_5755MHz_SU / Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

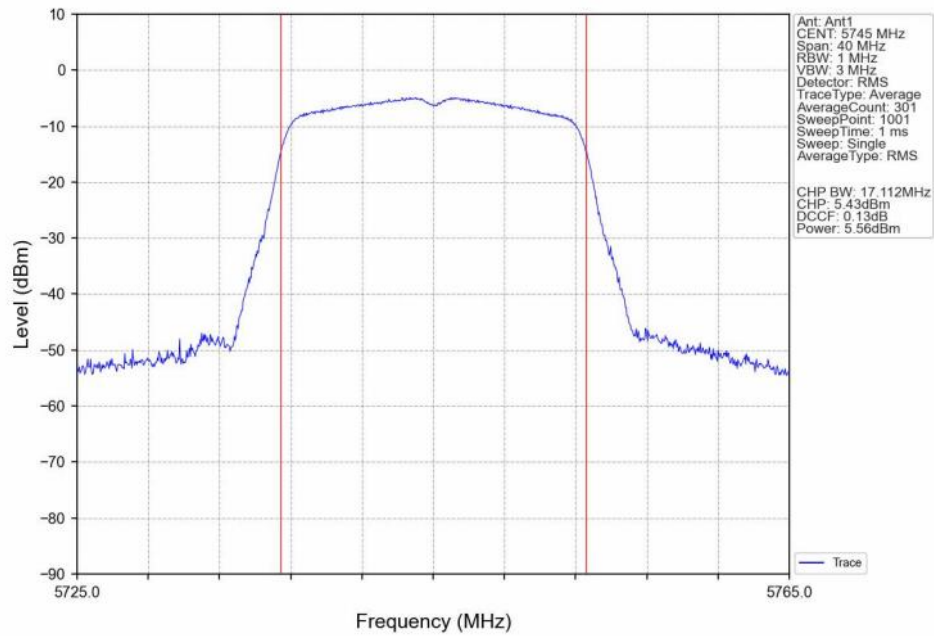
3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	5.56	<=30	Pass
		5785	/	/	5.48	<=30	Pass
		5825	/	/	5.12	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	5.75	<=30	Pass
		5785	/	/	5.57	<=30	Pass
		5825	/	/	5.51	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	5.95	<=30	Pass
		5795	/	/	5.84	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	6.08	<=30	Pass
		5785	/	/	5.60	<=30	Pass
		5825	/	/	5.22	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	5.34	<=30	Pass
		5795	/	/	5.21	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	5.33	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	5.71	<=30	Pass
		5785	SU	/	5.58	<=30	Pass
		5825	SU	/	5.26	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	5.88	<=30	Pass
		5795	SU	/	5.69	<=30	Pass
802.11ax (HEW80)	SISO	5775	SU	/	5.81	<=30	Pass
Note1: Antenna Gain: Ant1: 3.40dBi;							

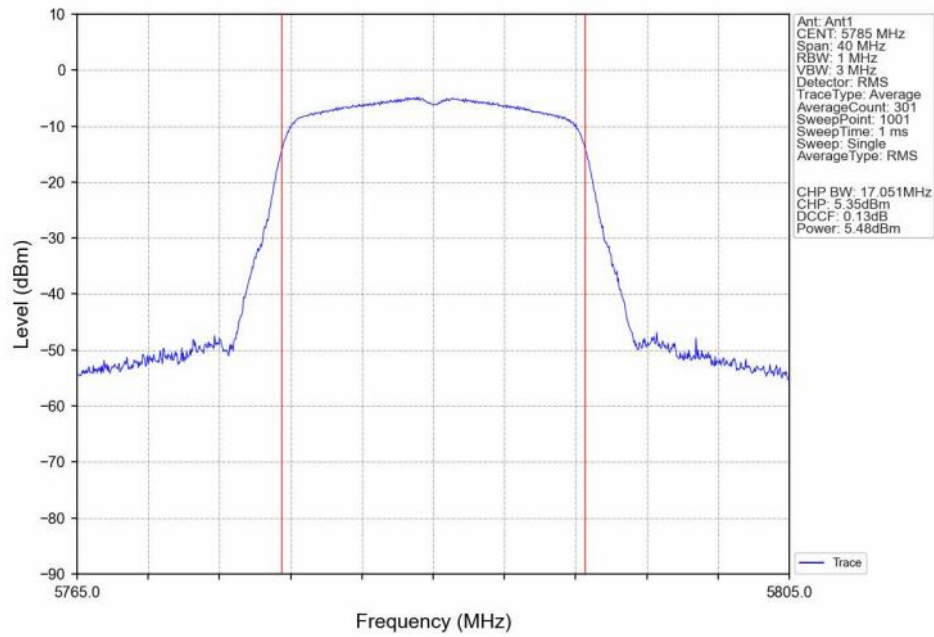
3.2 Test Graph

3.2.1 Power

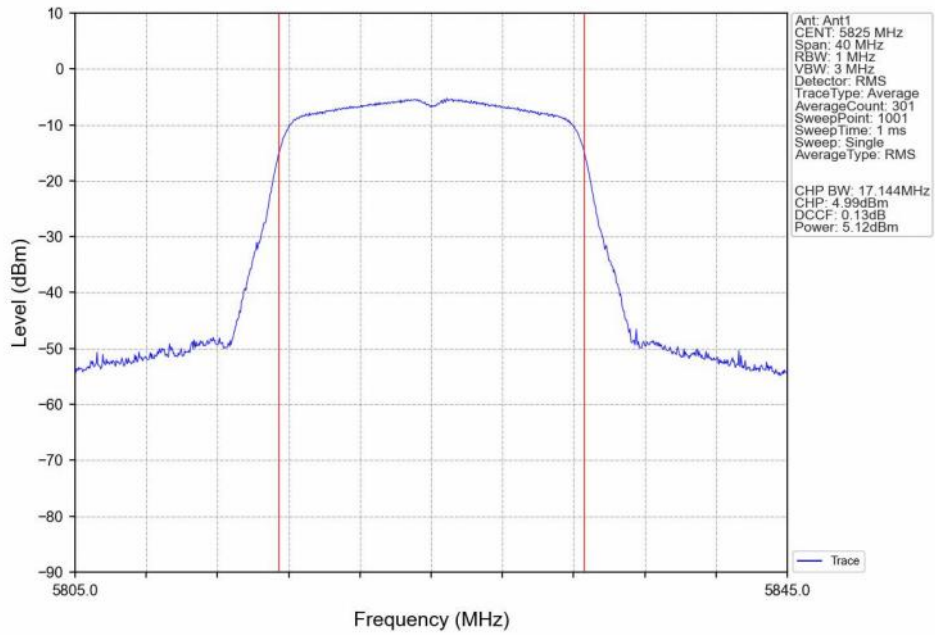
802.11a_LCH_5745MHz_Ant1_NTNV



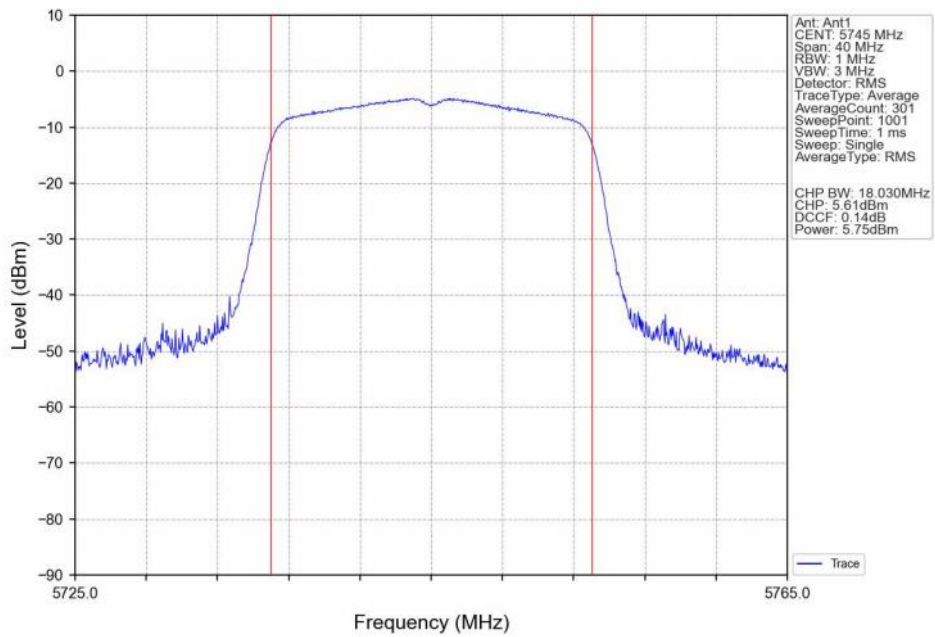
802.11a_MCH_5785MHz_Ant1_NTNV



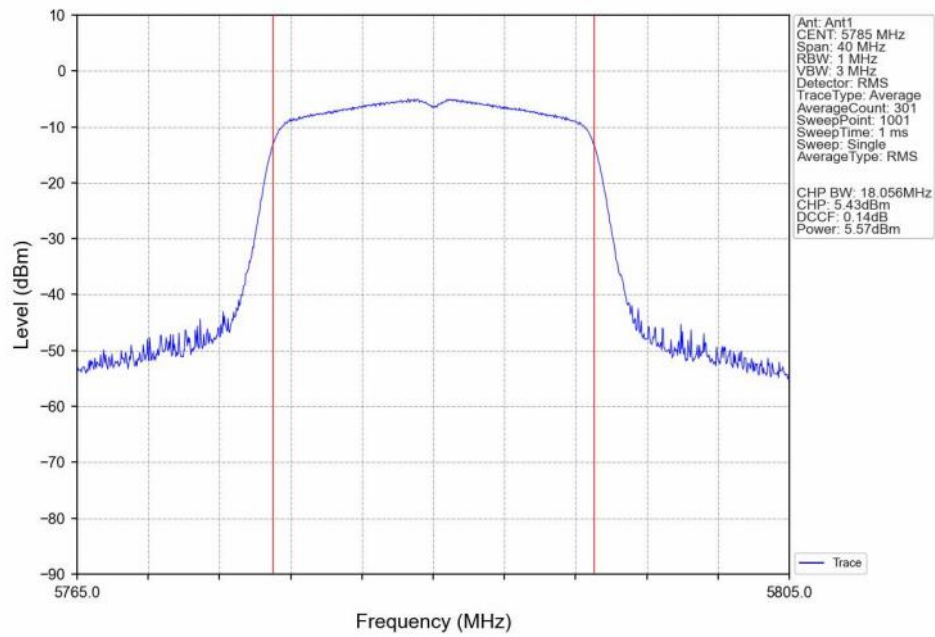
802.11a_HCH_5825MHz_Ant1_NTNV



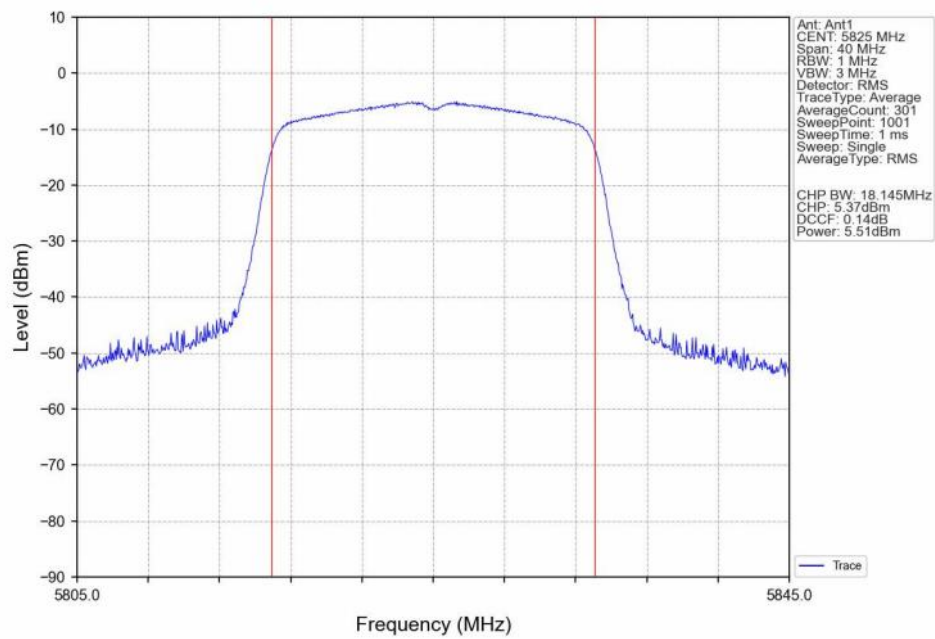
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



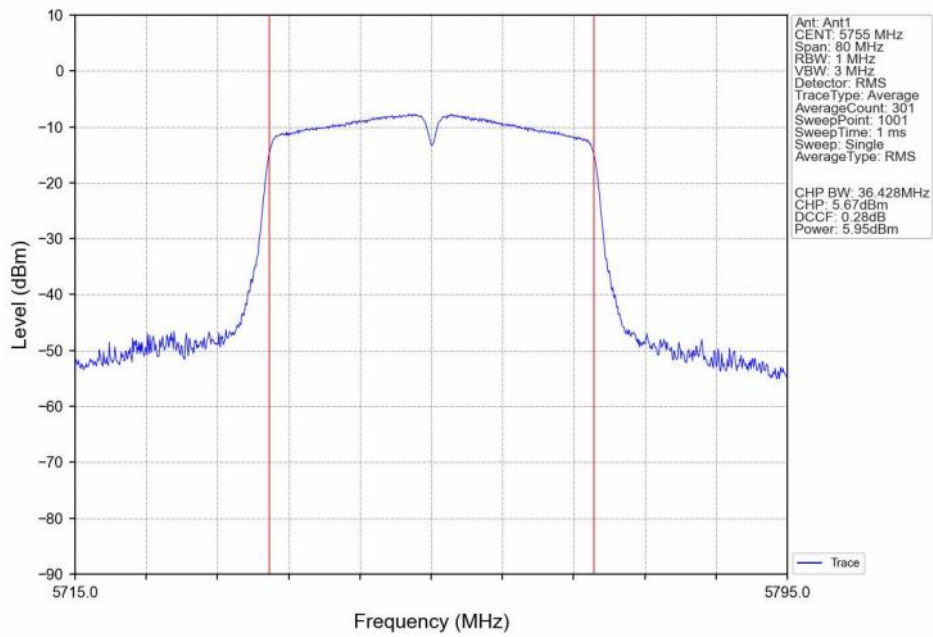
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



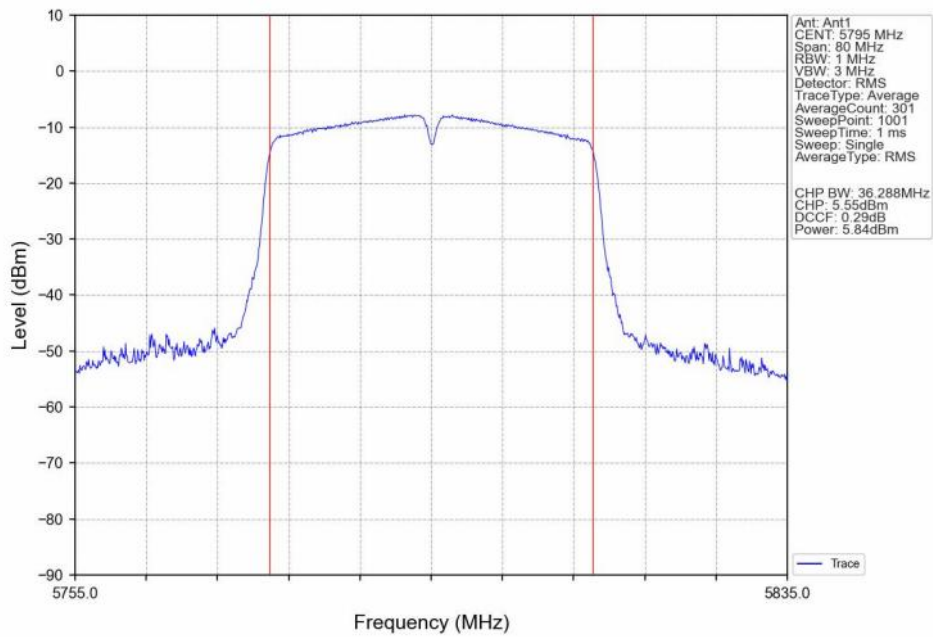
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



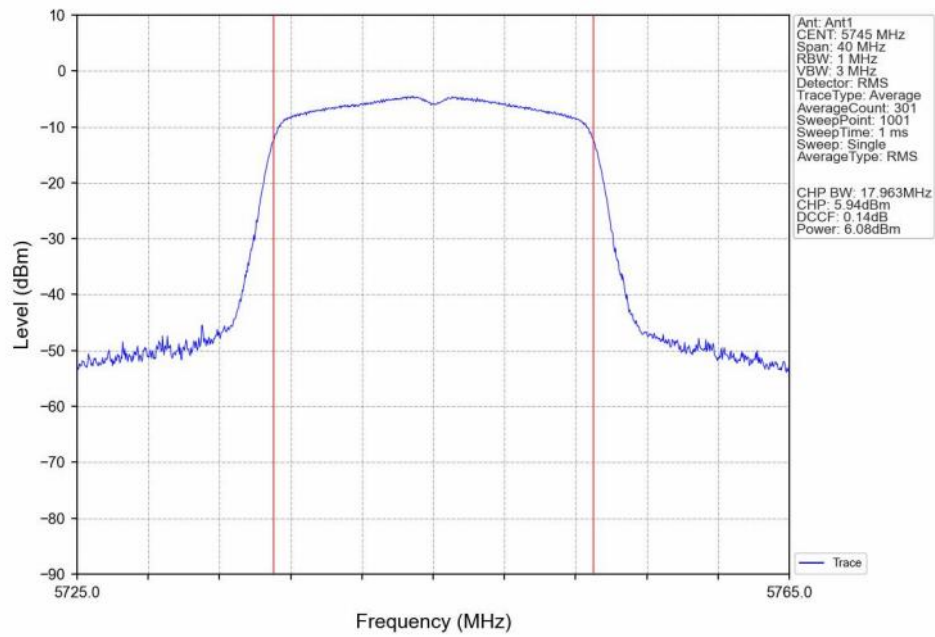
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



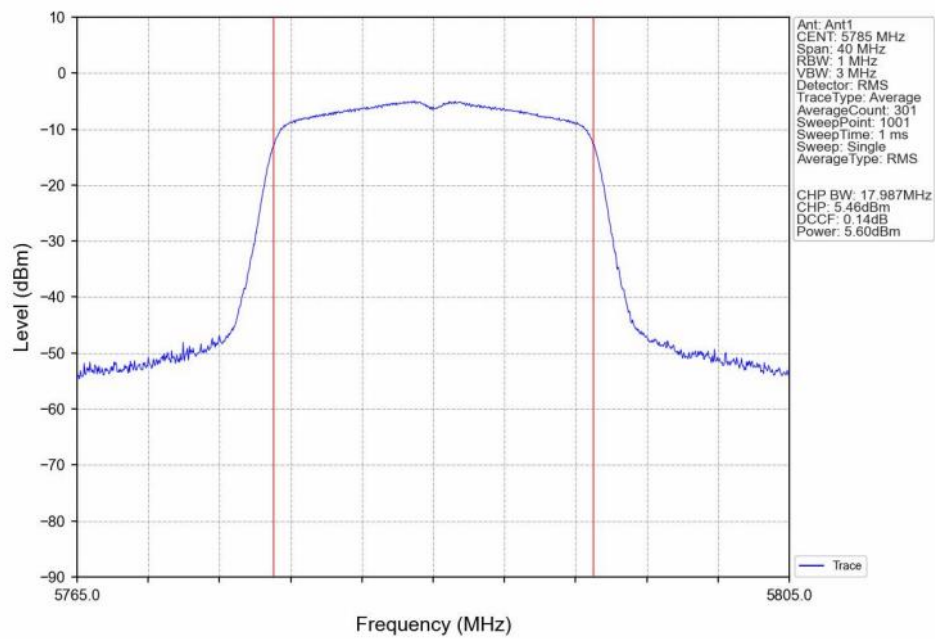
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



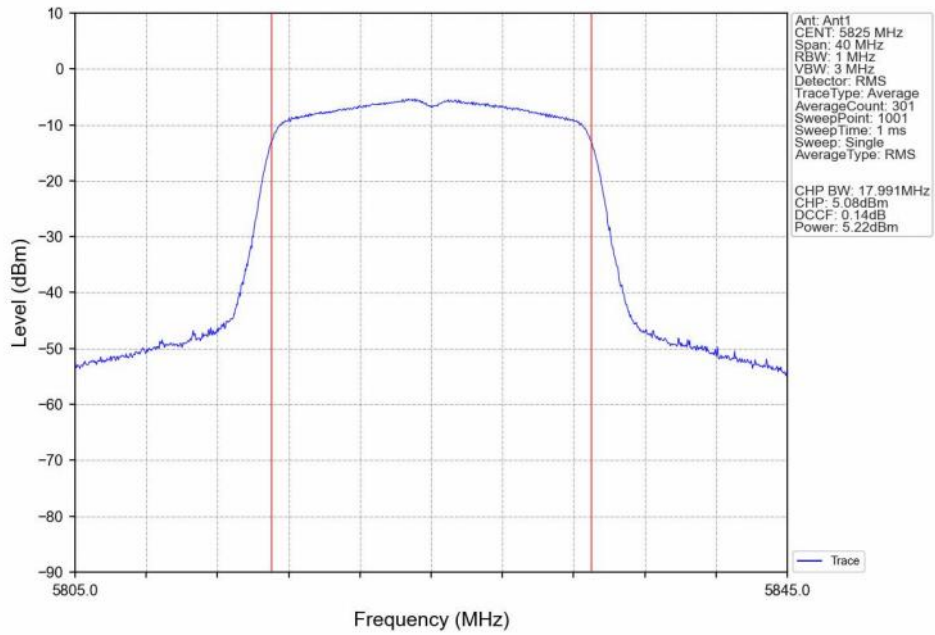
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



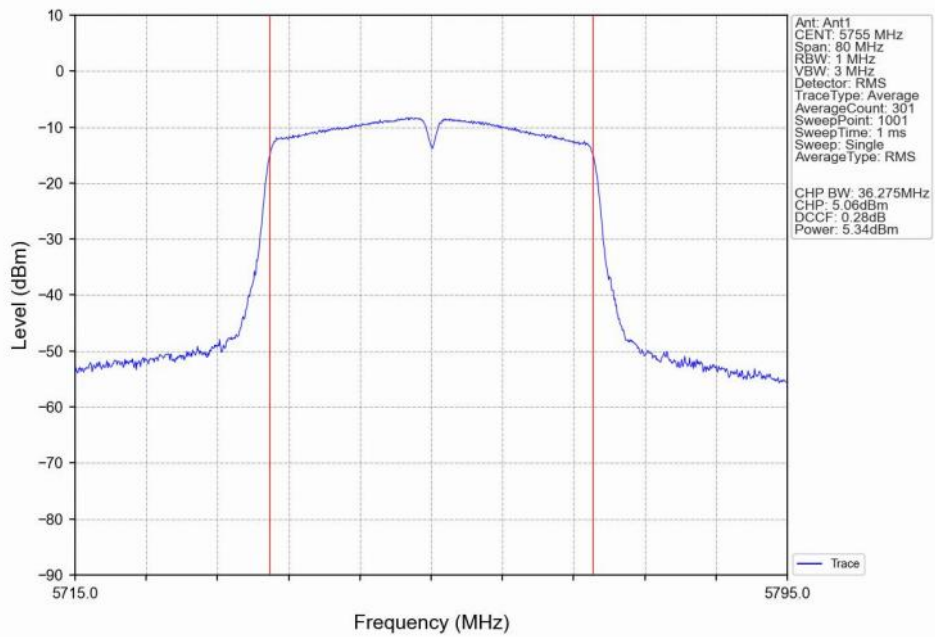
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



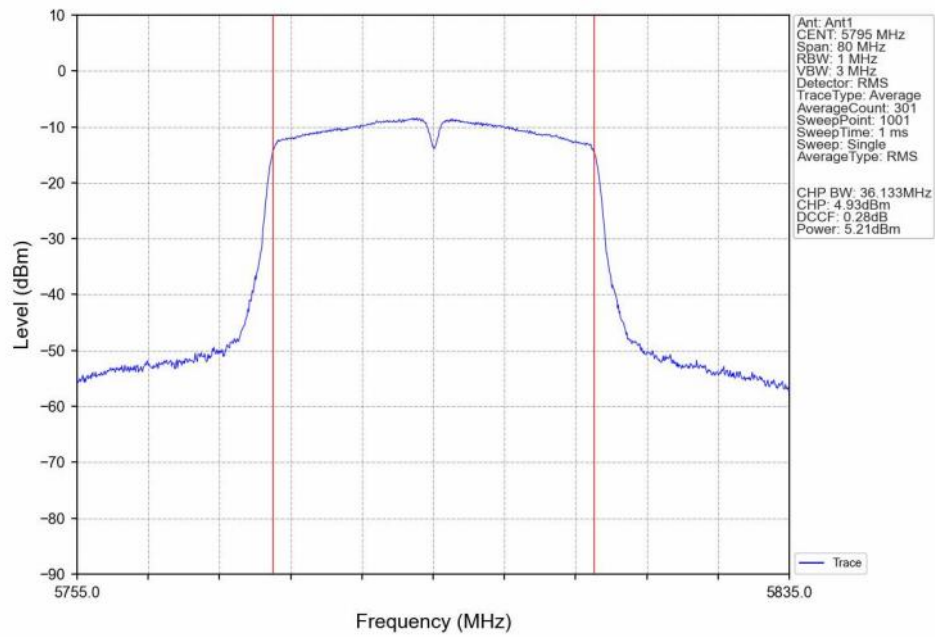
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



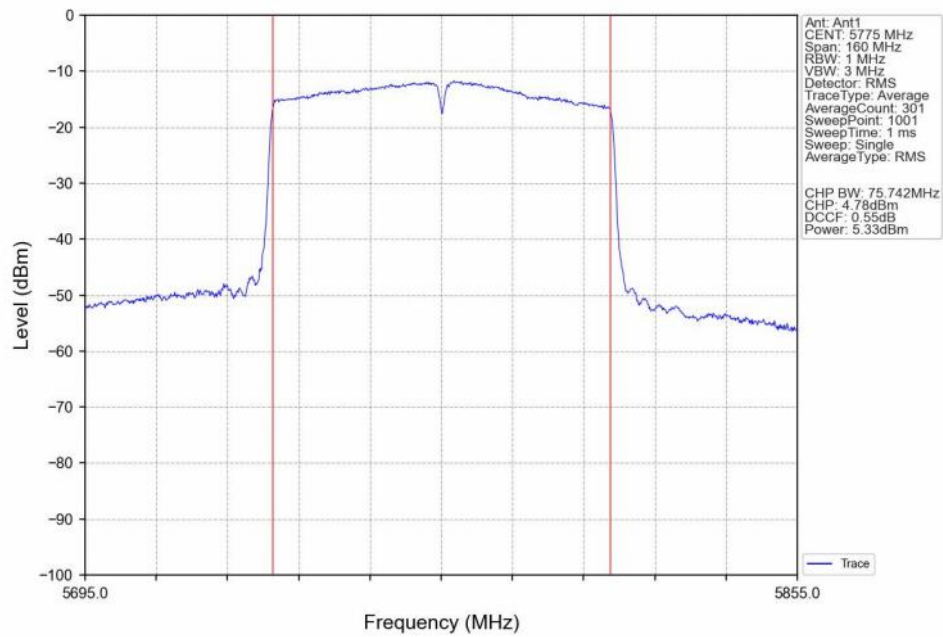
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



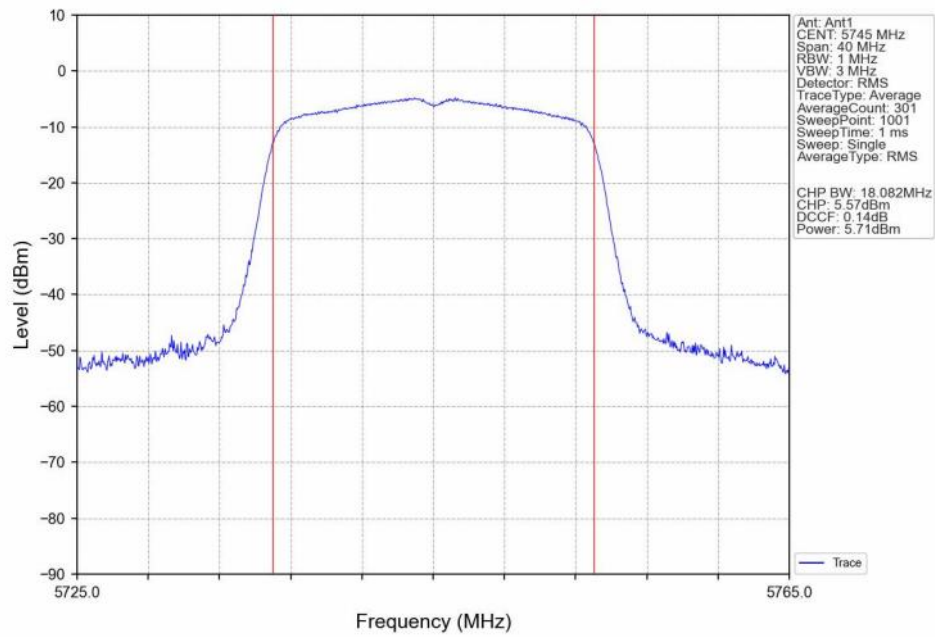
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



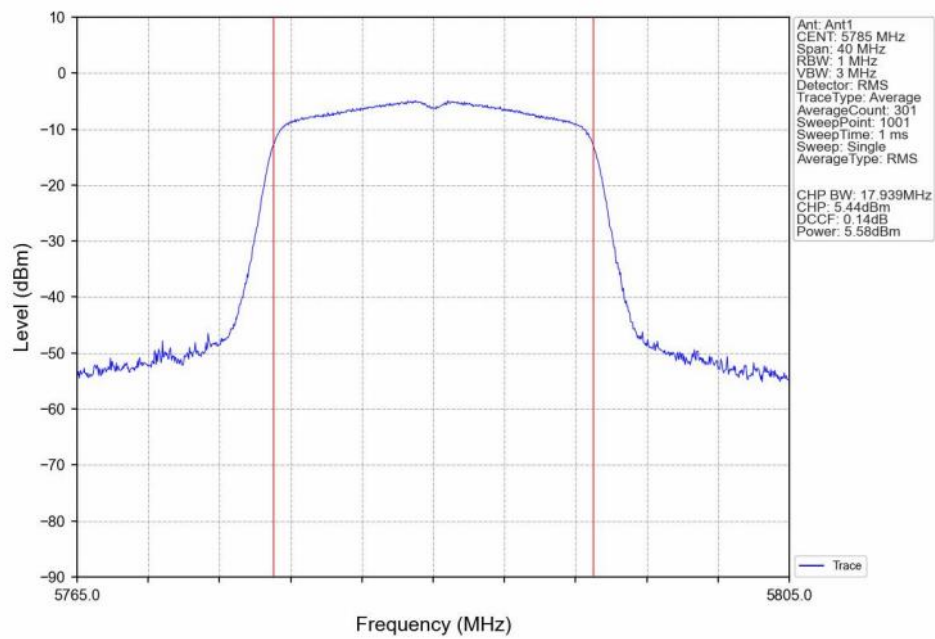
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



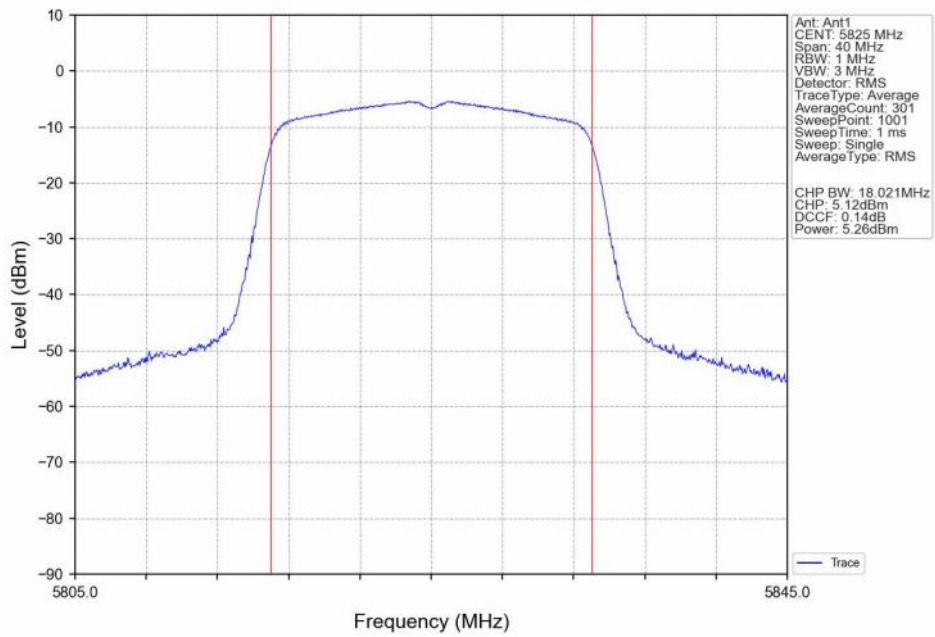
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



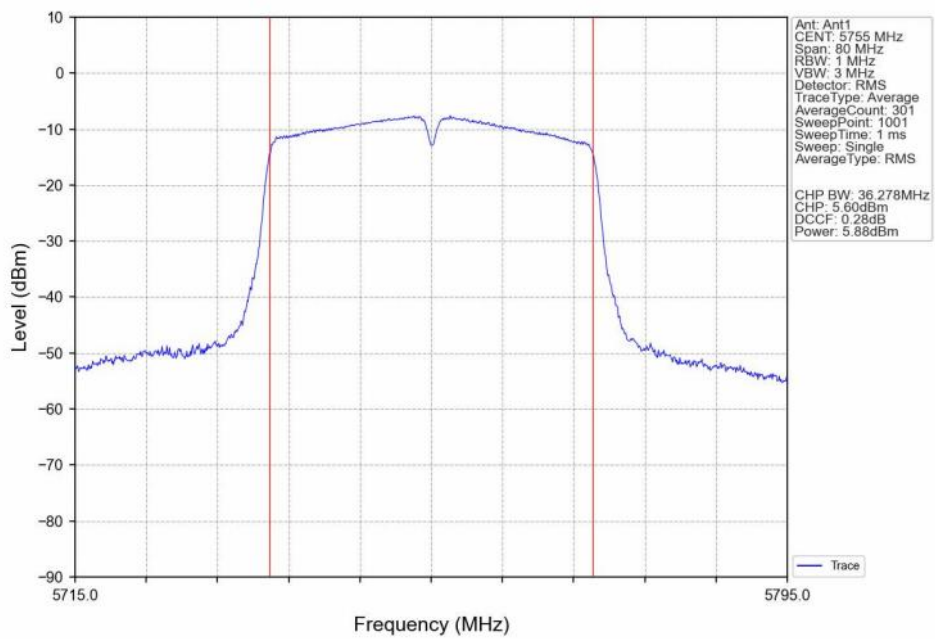
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



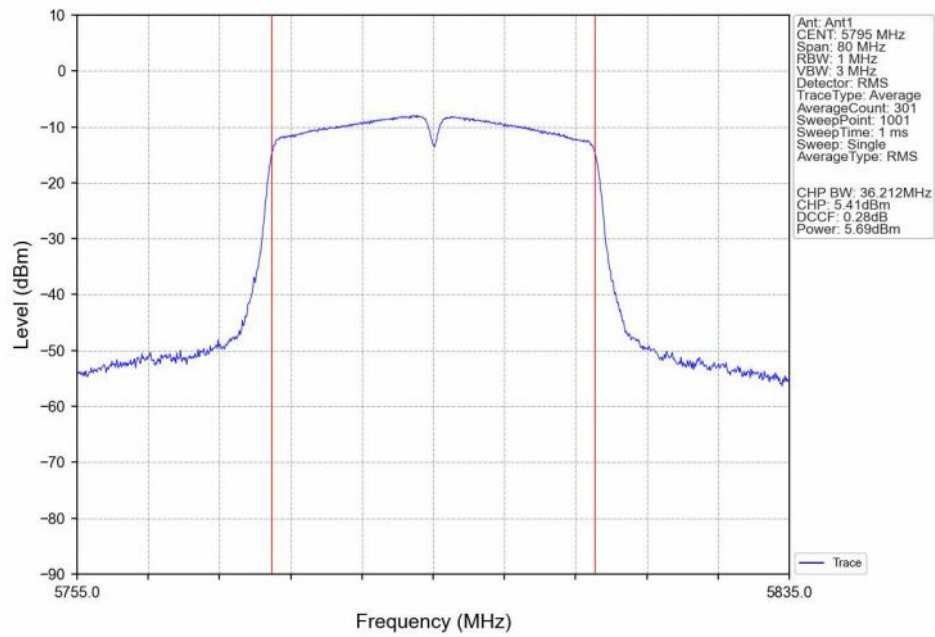
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



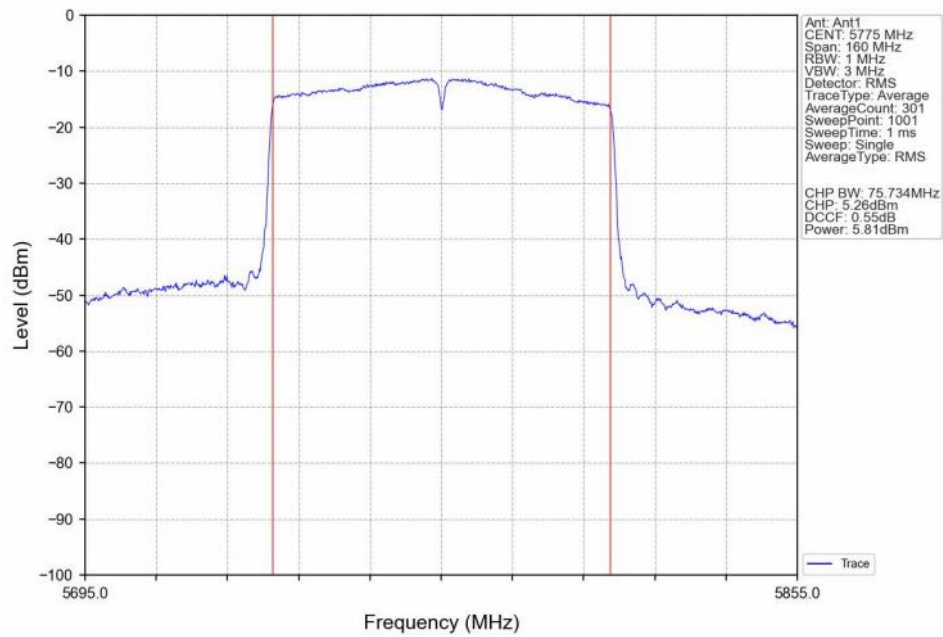
802.11ax(HEW40)_LCH_5755MHz_SU / Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

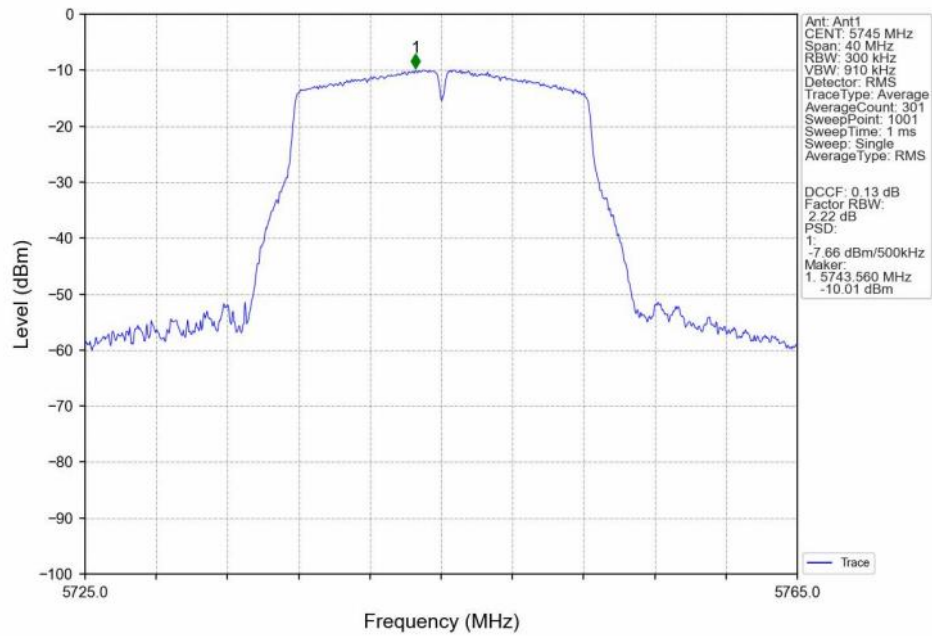
4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-7.66	<=30	Pass
		5785	/	/	-7.67	<=30	Pass
		5825	/	/	-7.96	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-7.49	<=30	Pass
		5785	/	/	-7.62	<=30	Pass
		5825	/	/	-7.95	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-10.42	<=30	Pass
		5795	/	/	-10.45	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-7.35	<=30	Pass
		5785	/	/	-7.63	<=30	Pass
		5825	/	/	-8.03	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-10.85	<=30	Pass
		5795	/	/	-11.01	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-14.18	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	-7.58	<=30	Pass
		5785	SU	/	-7.37	<=30	Pass
		5825	SU	/	-8.02	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	-10.33	<=30	Pass
		5795	SU	/	-10.68	<=30	Pass
802.11ax (HEW80)	SISO	5775	SU	/	-13.54	<=30	Pass
Note1: Antenna Gain: Ant1: 3.40dBi;							

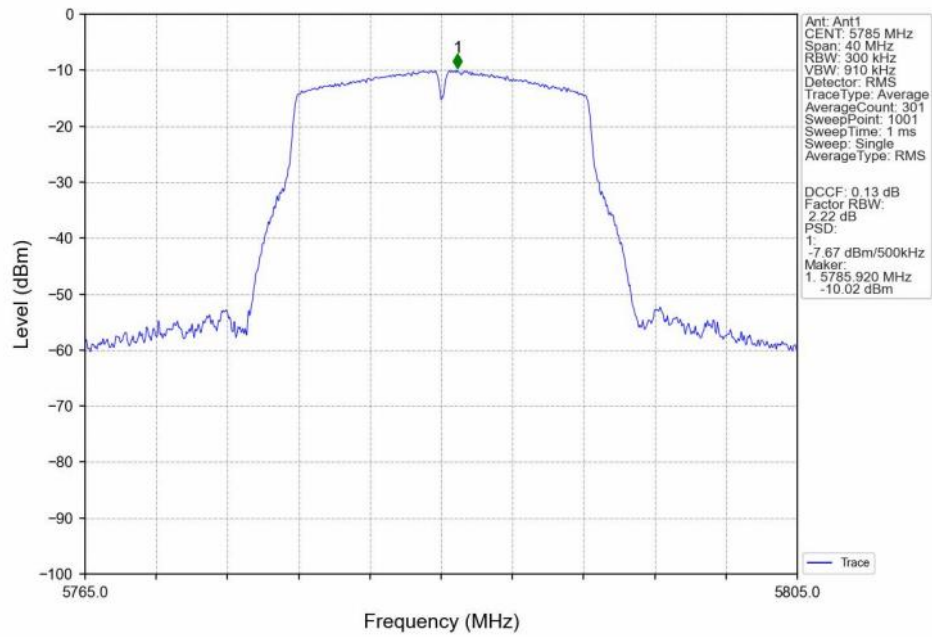
4.2 Test Graph

4.2.1 PSD-Band3

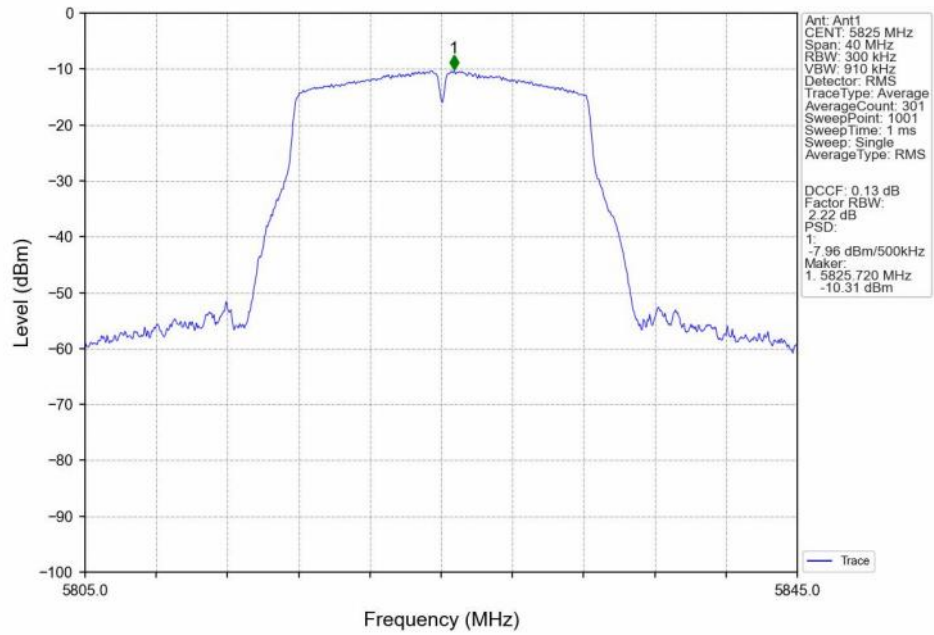
802.11a_LCH_5745MHz_Ant1_NTNV



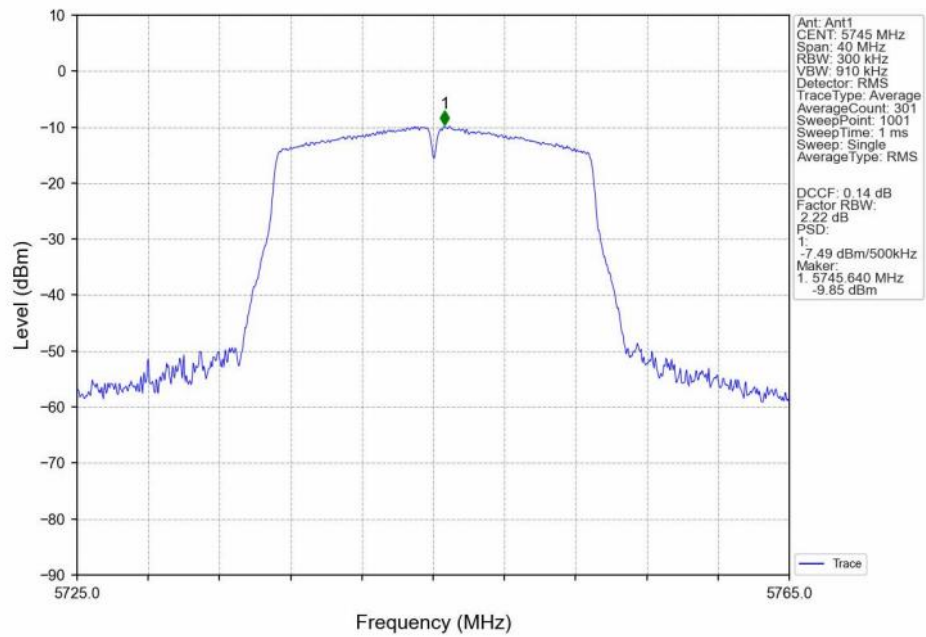
802.11a_MCH_5785MHz_Ant1_NTNV



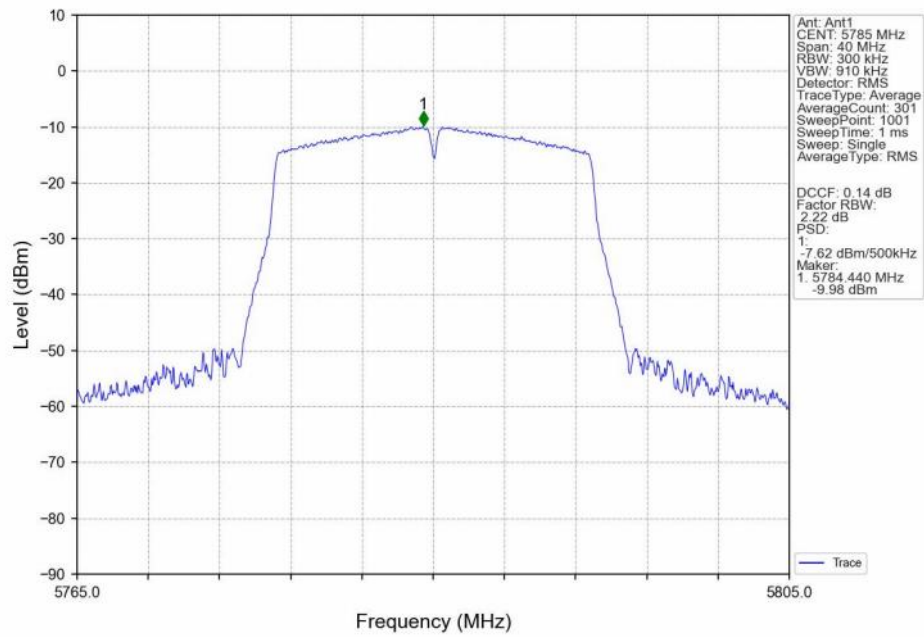
802.11a_HCH_5825MHz_Ant1_NTNV



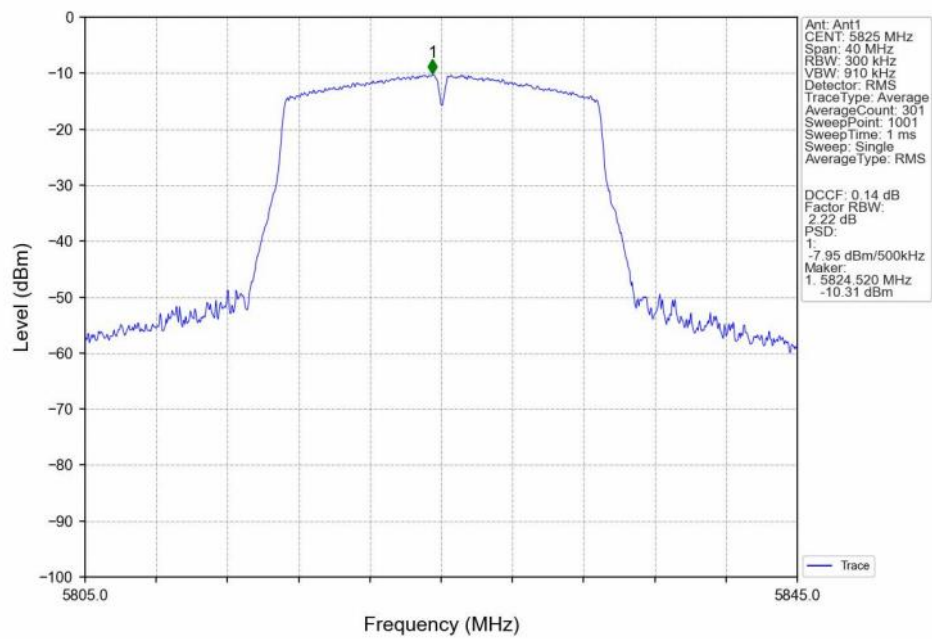
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



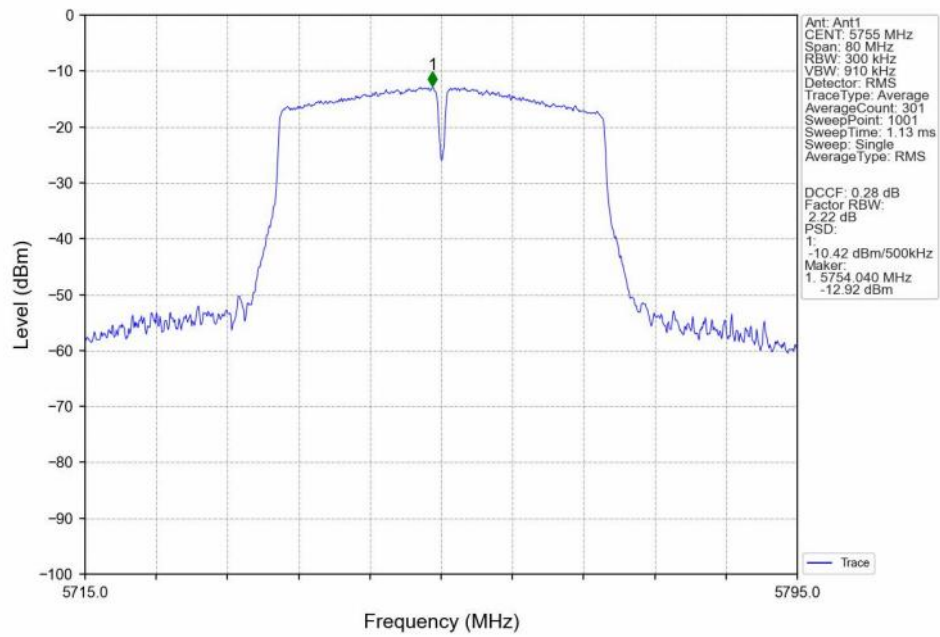
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



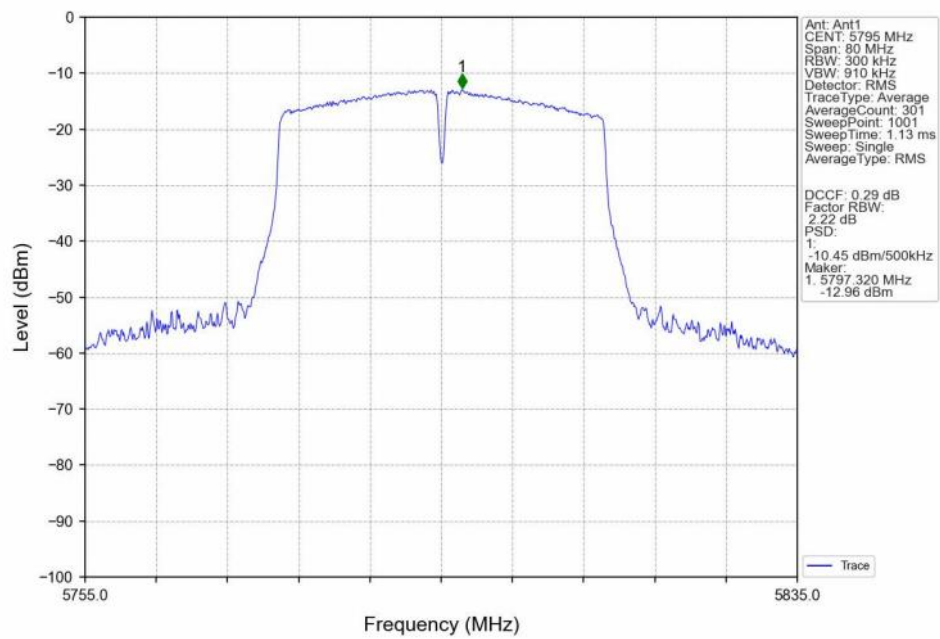
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



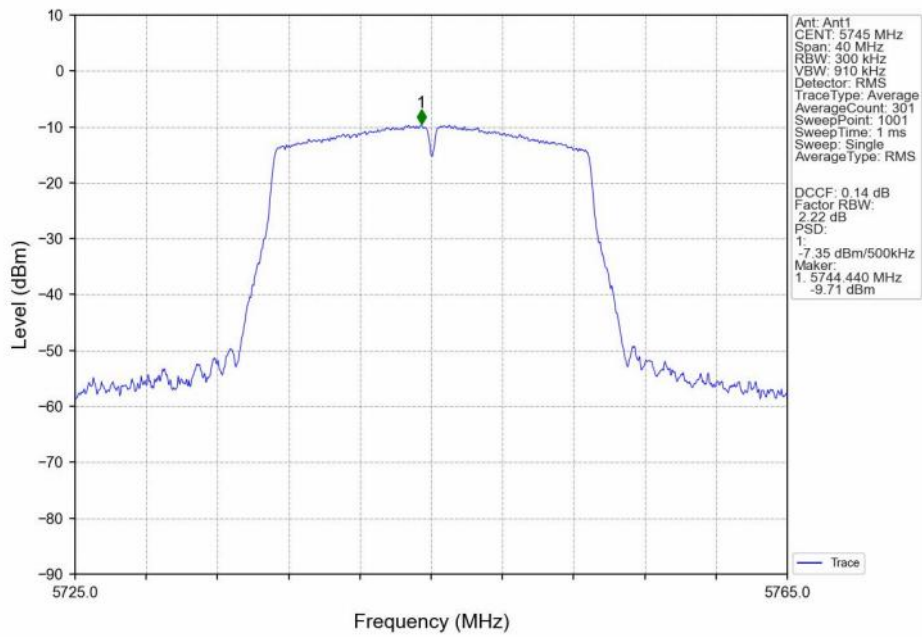
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



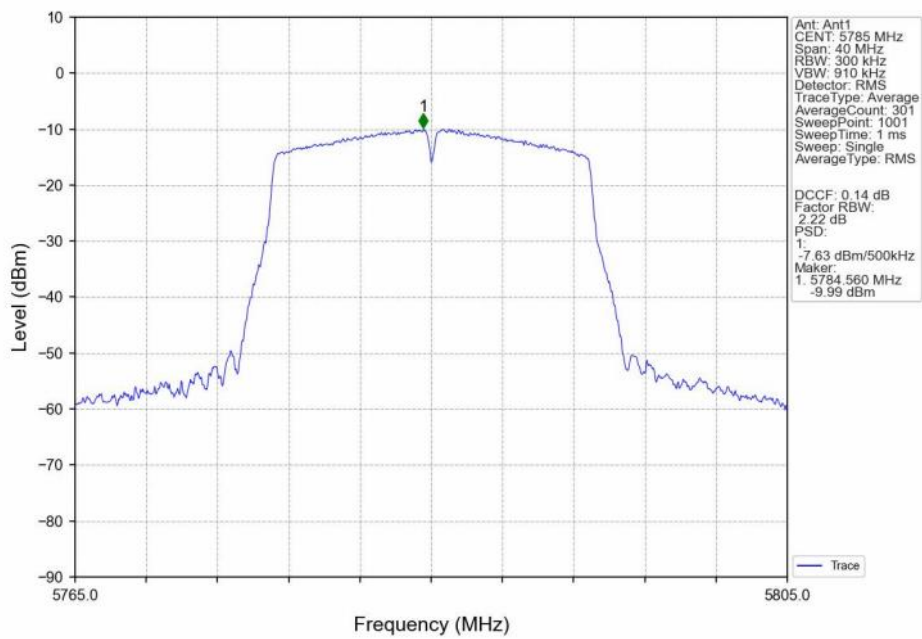
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



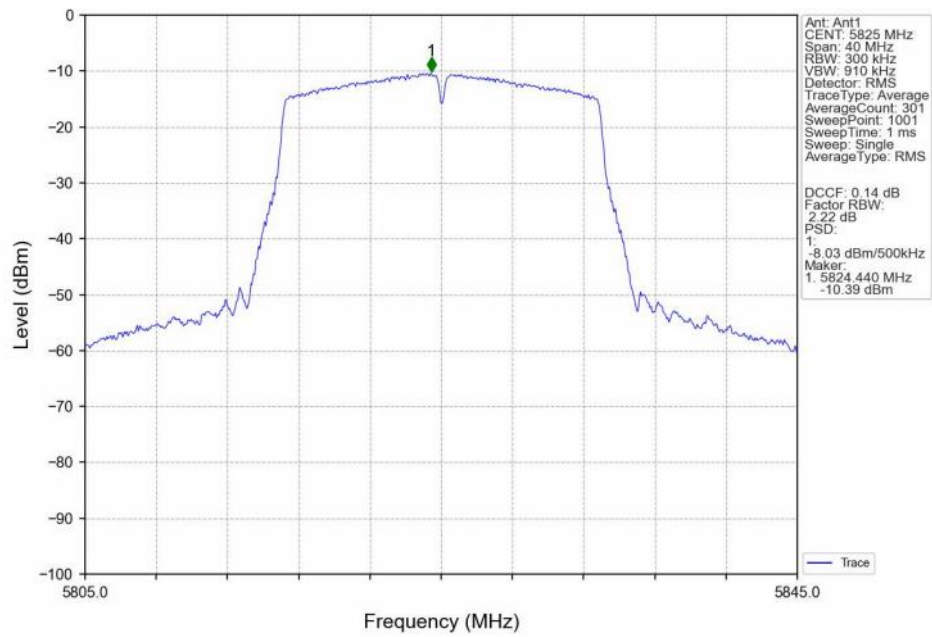
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



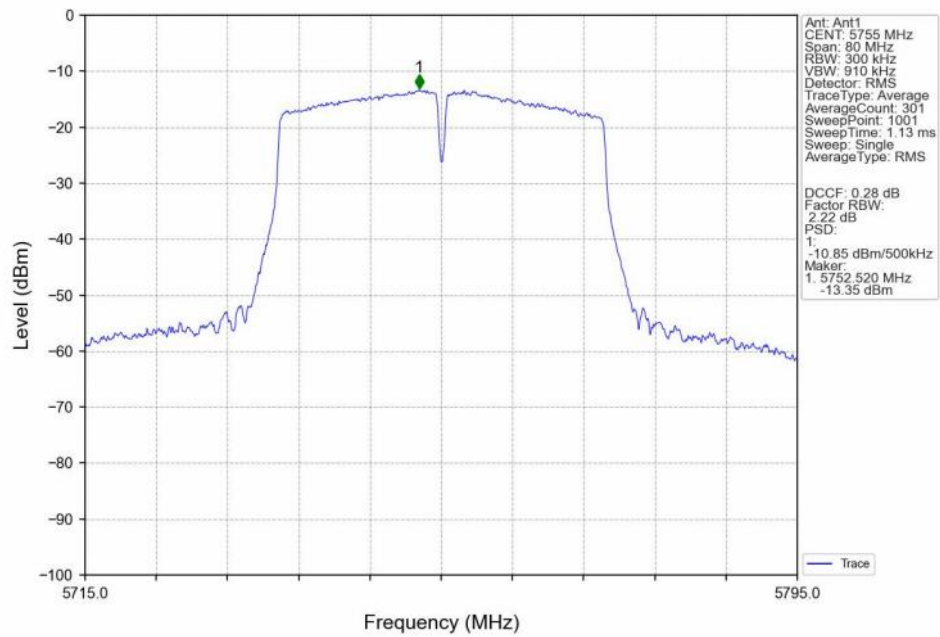
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



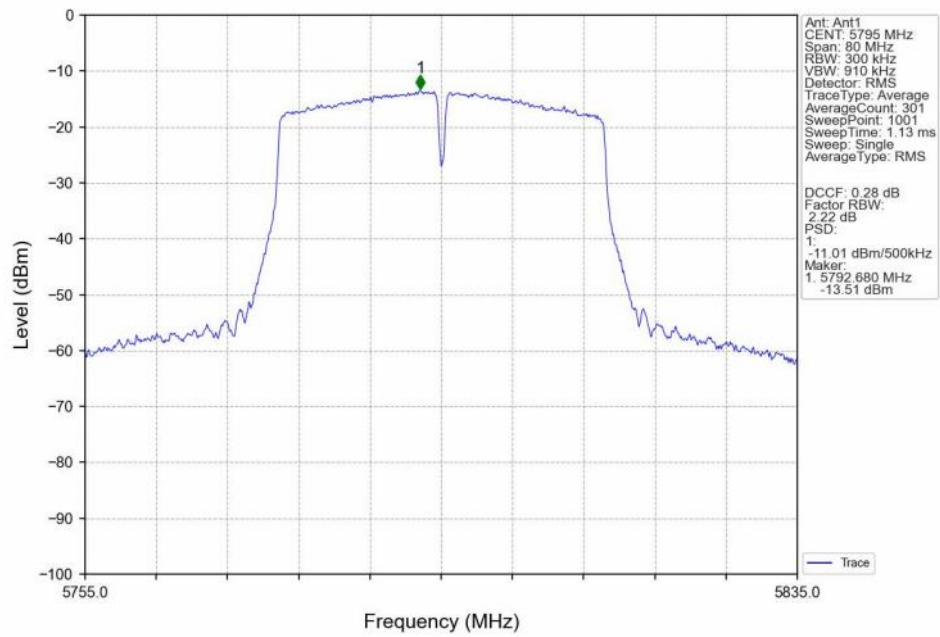
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



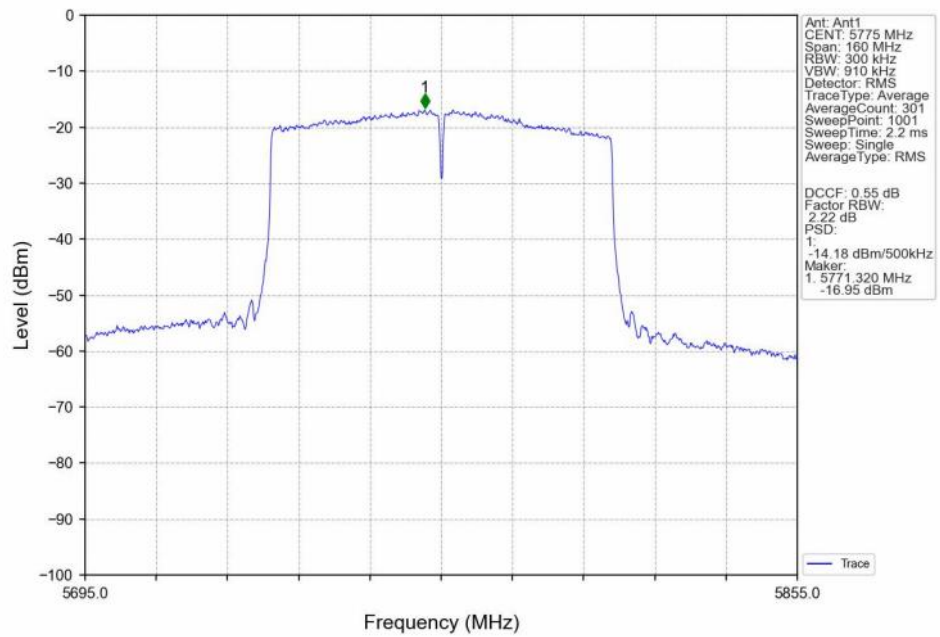
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



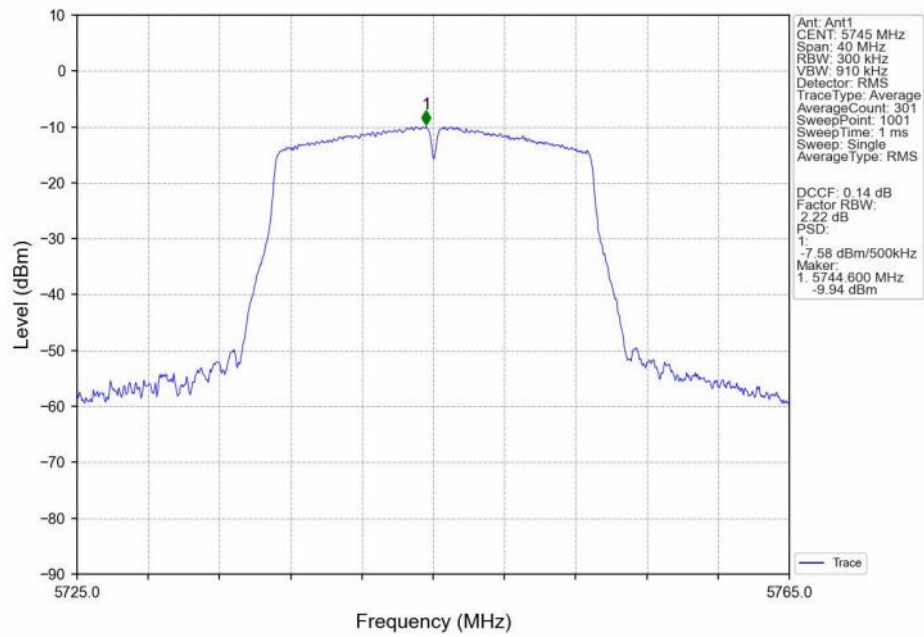
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



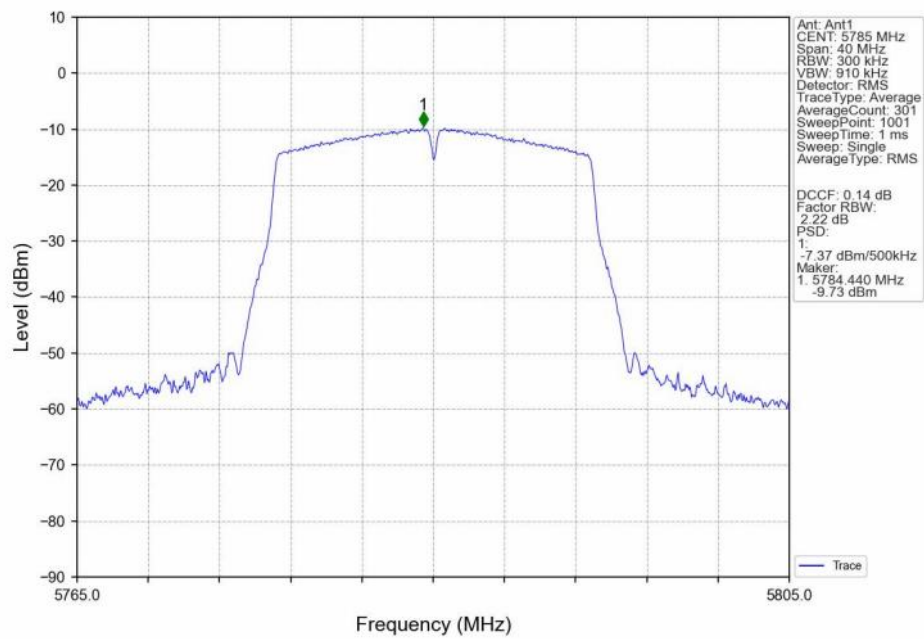
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



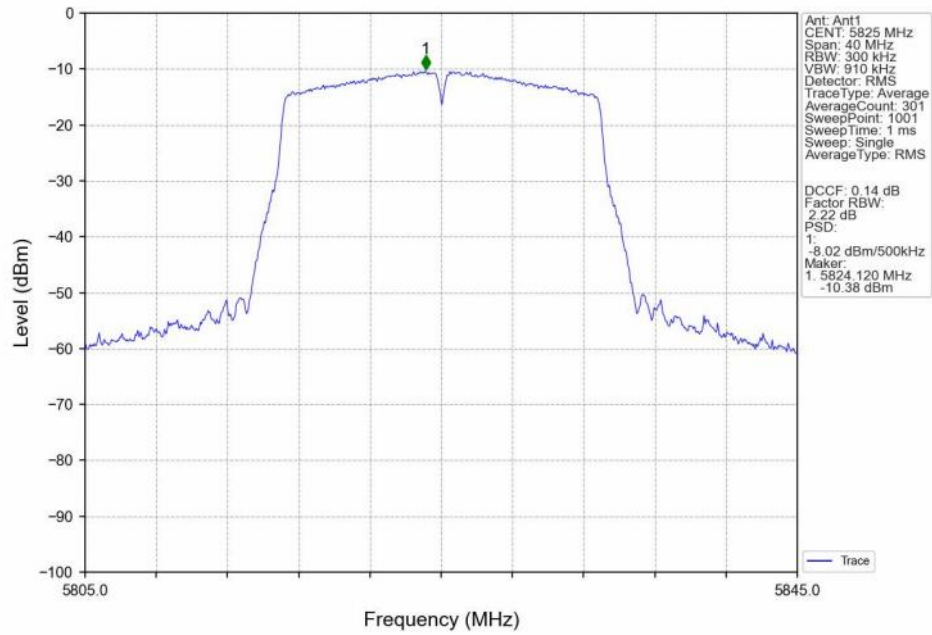
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



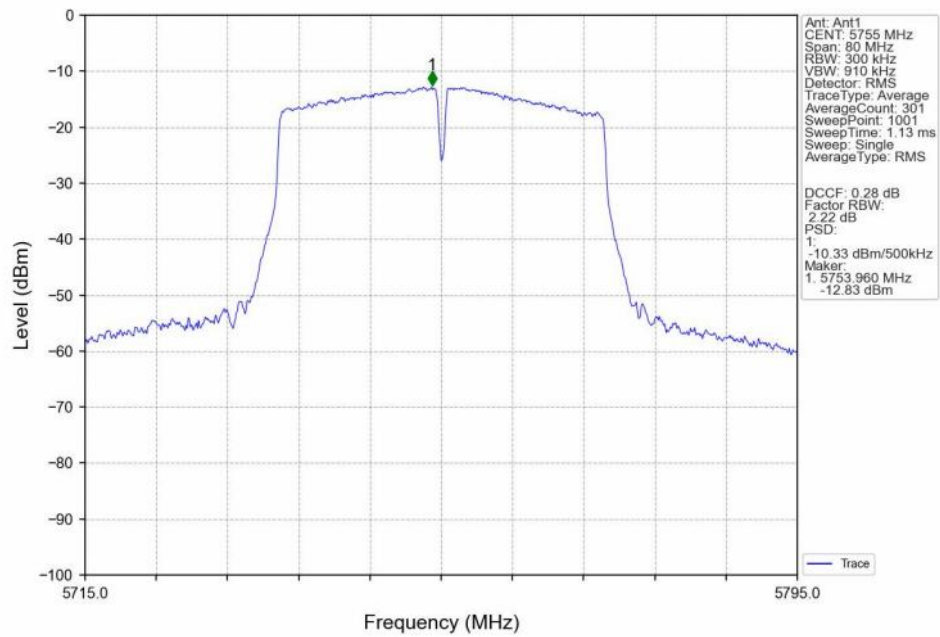
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



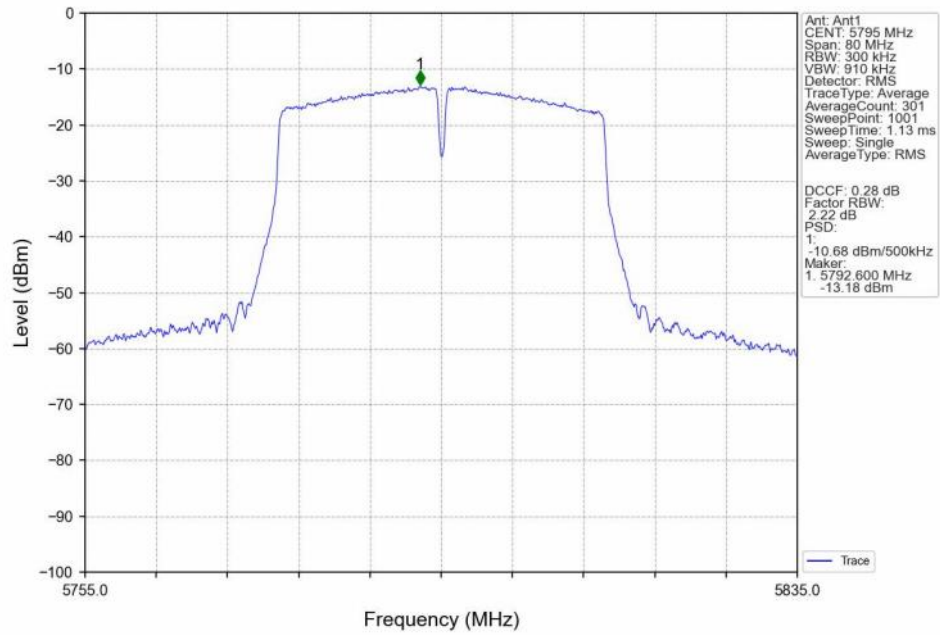
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



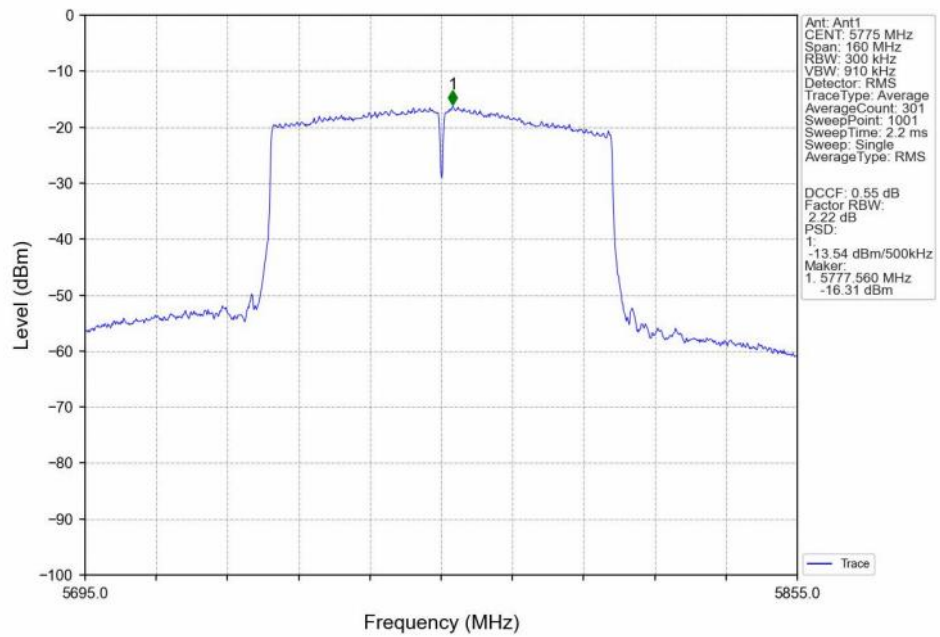
802.11ax(HEW40)_LCH_5755MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands and Spurious Emission

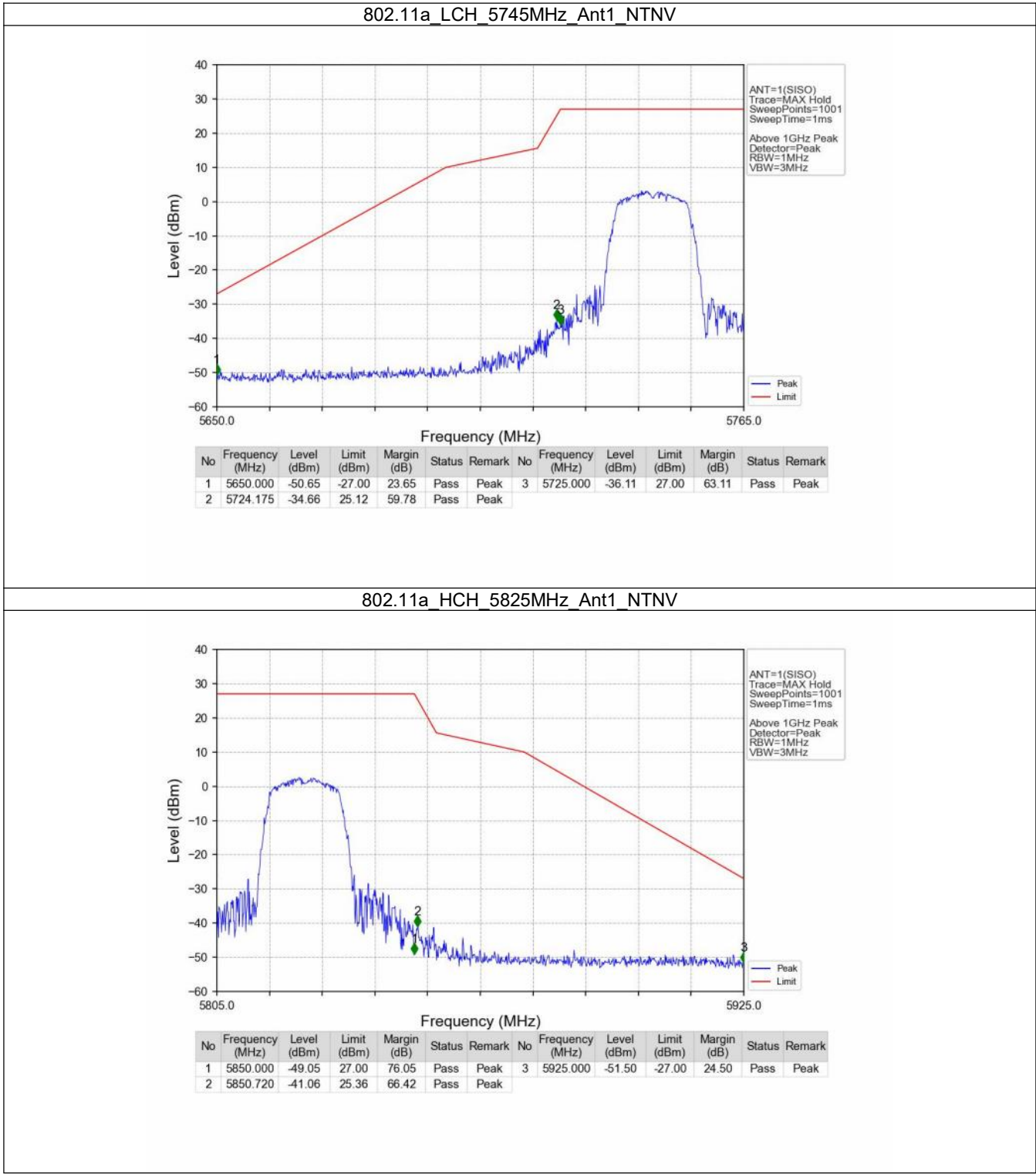
5.1 Test Result

5.1.1 BandEdge

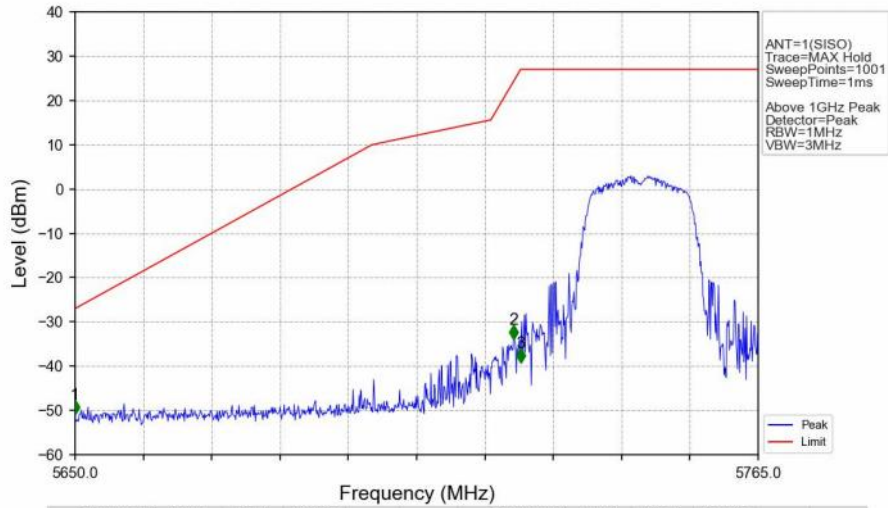
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5755	/	/	1	Refer To Test Graph		Pass
		5795	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5755	/	/	1	Refer To Test Graph		Pass
		5795	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5775	/	/	1	Refer To Test Graph		Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	Refer To Test Graph		Pass
		5825	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	Refer To Test Graph		Pass
		5795	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	Refer To Test Graph		Pass

5.2 Test Graph

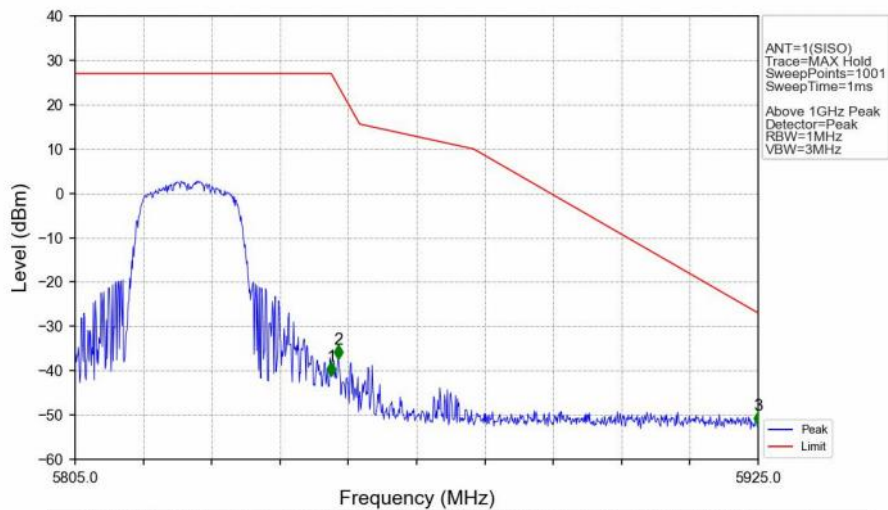
5.2.1 BandEdge



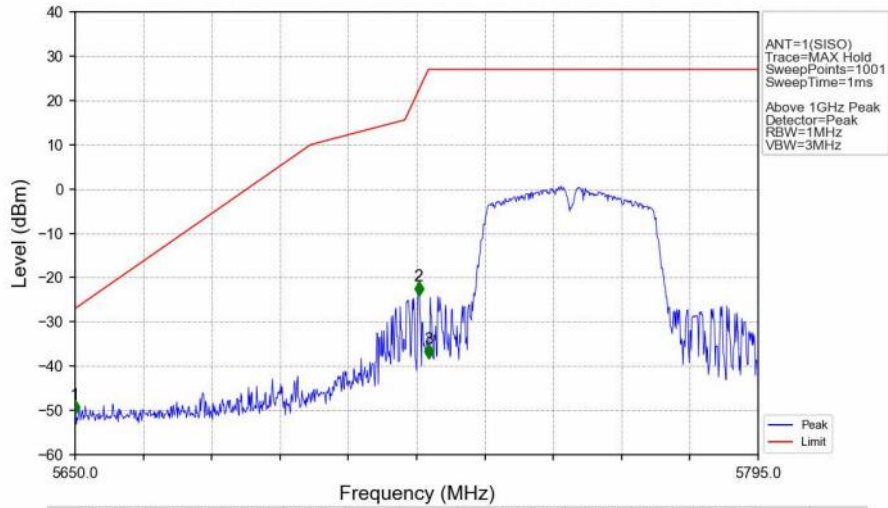
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



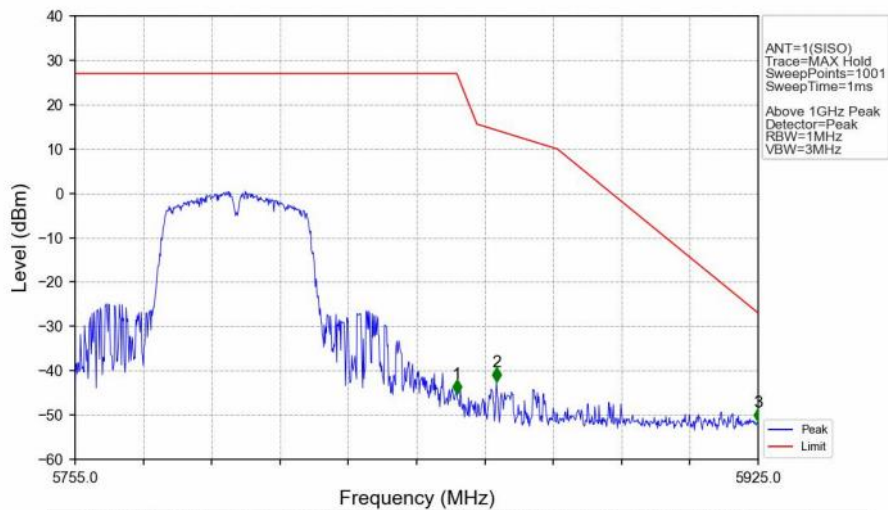
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



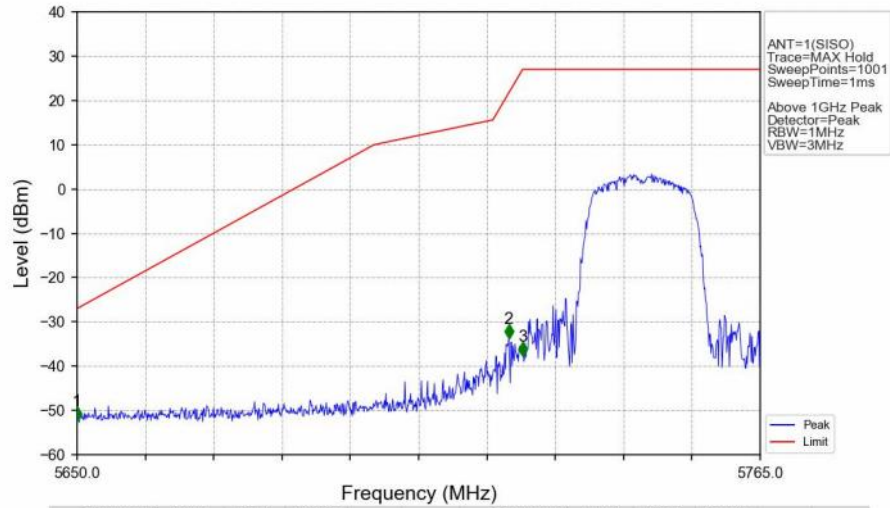
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



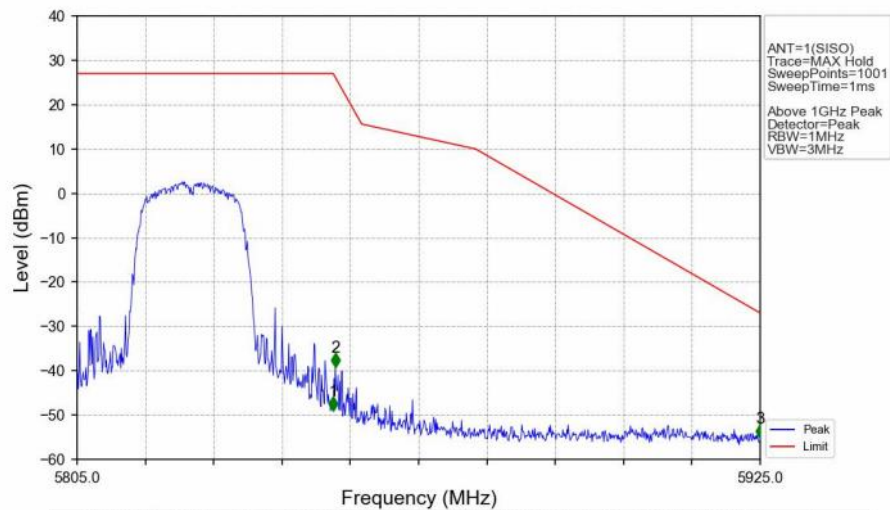
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



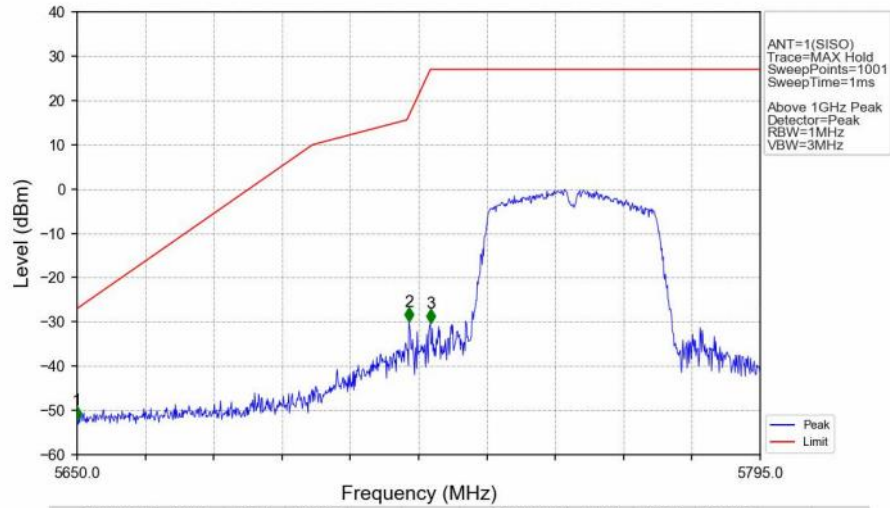
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



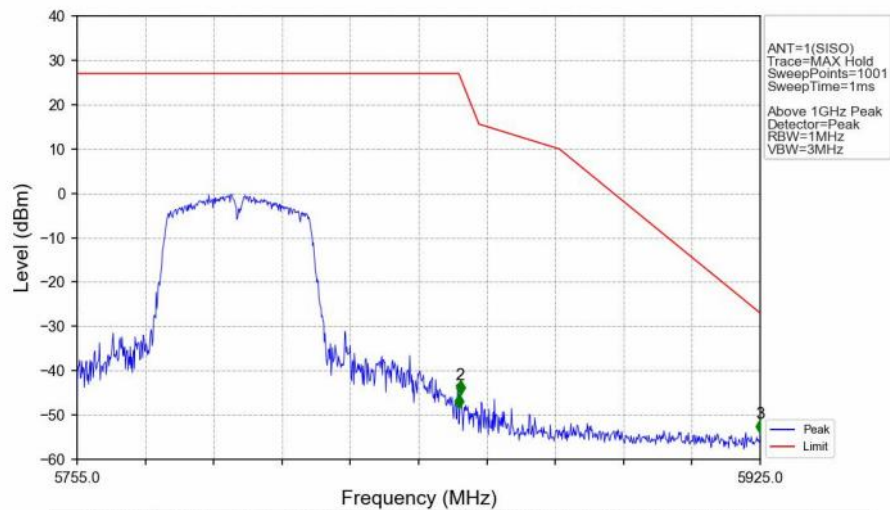
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



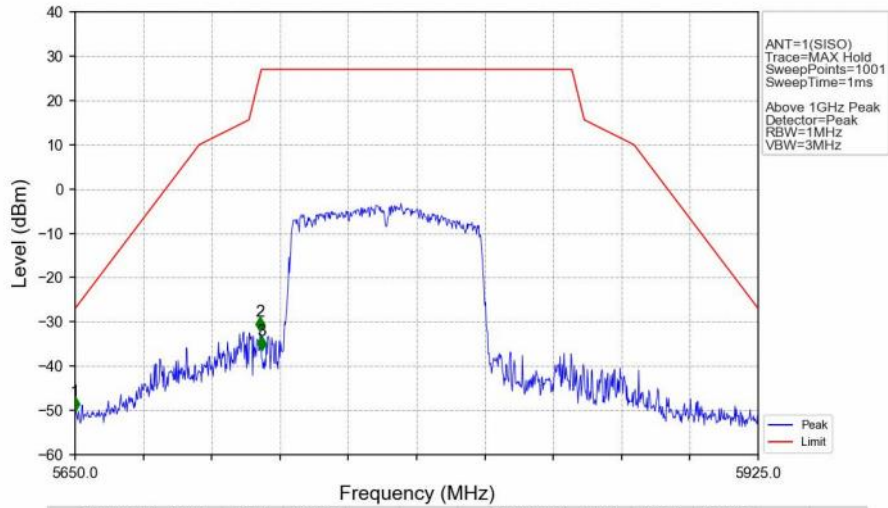
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



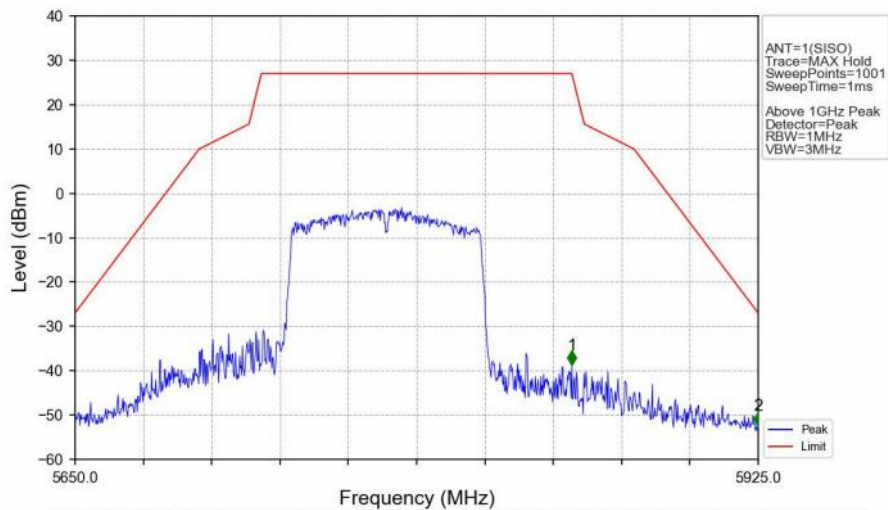
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



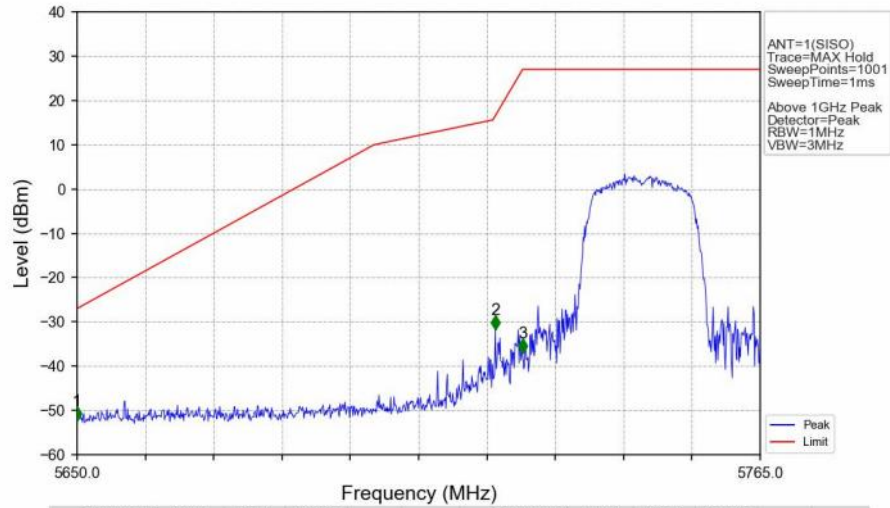
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



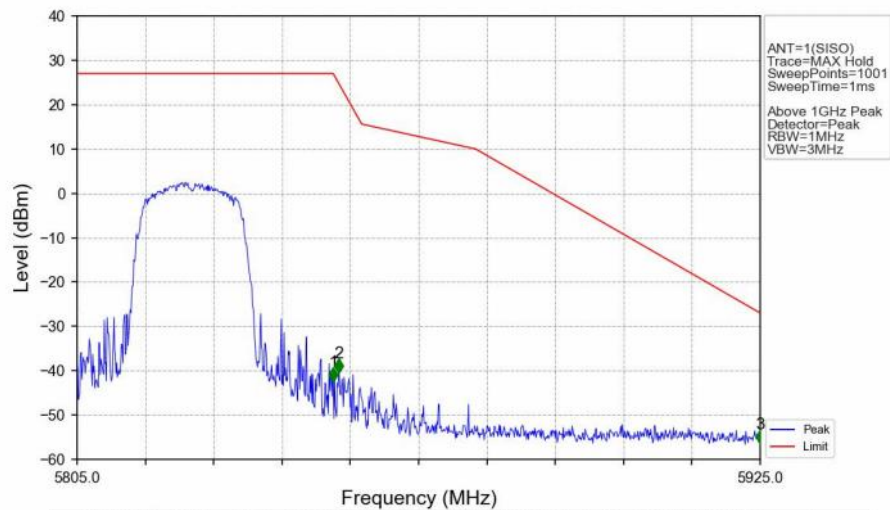
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



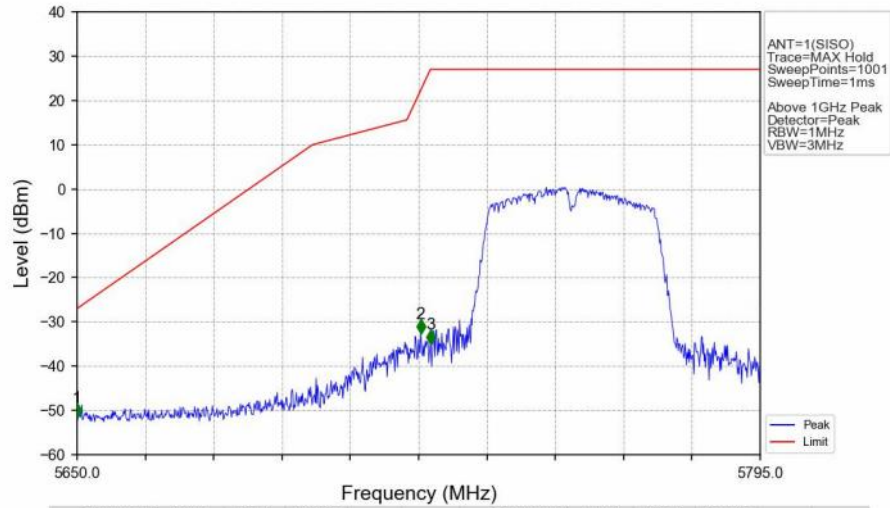
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



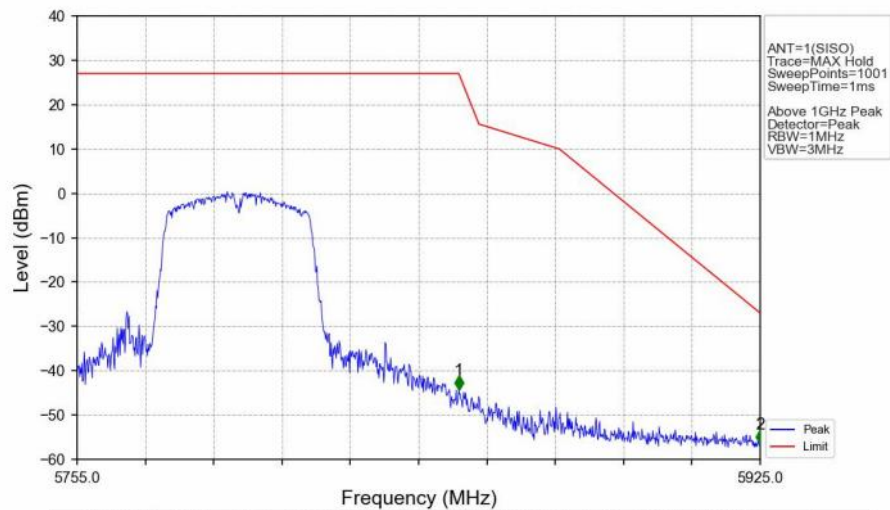
802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



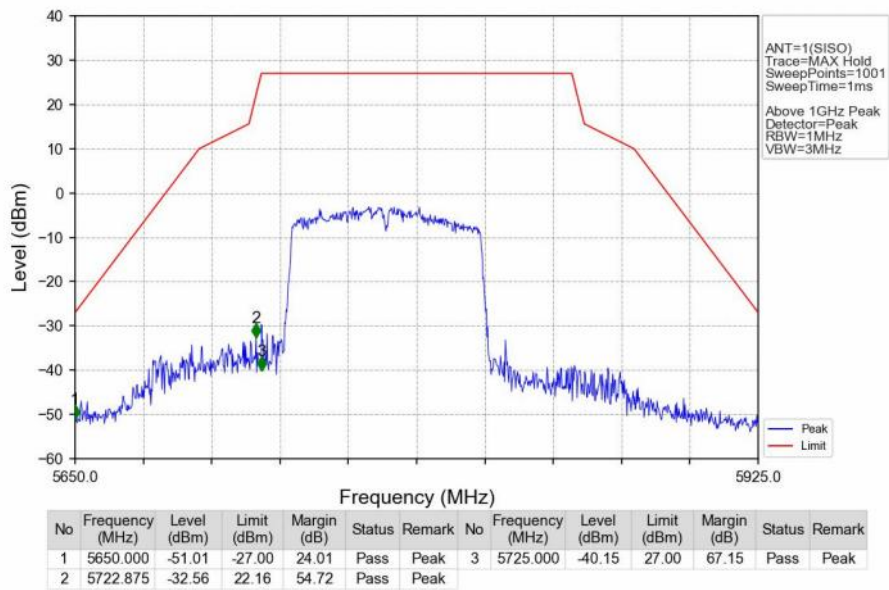
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



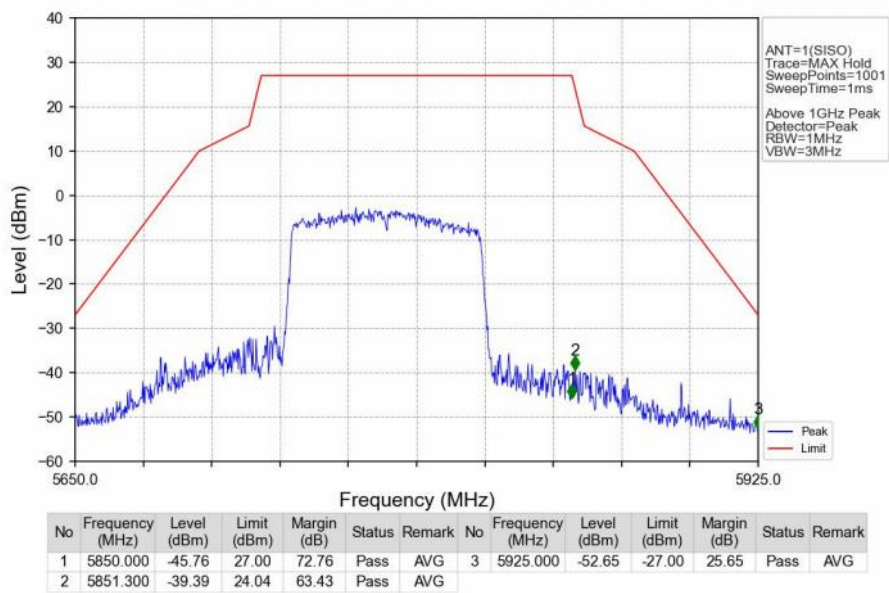
802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant1_NTNV



-THE END-