

1. Duty Cycle

1.1 Test Result

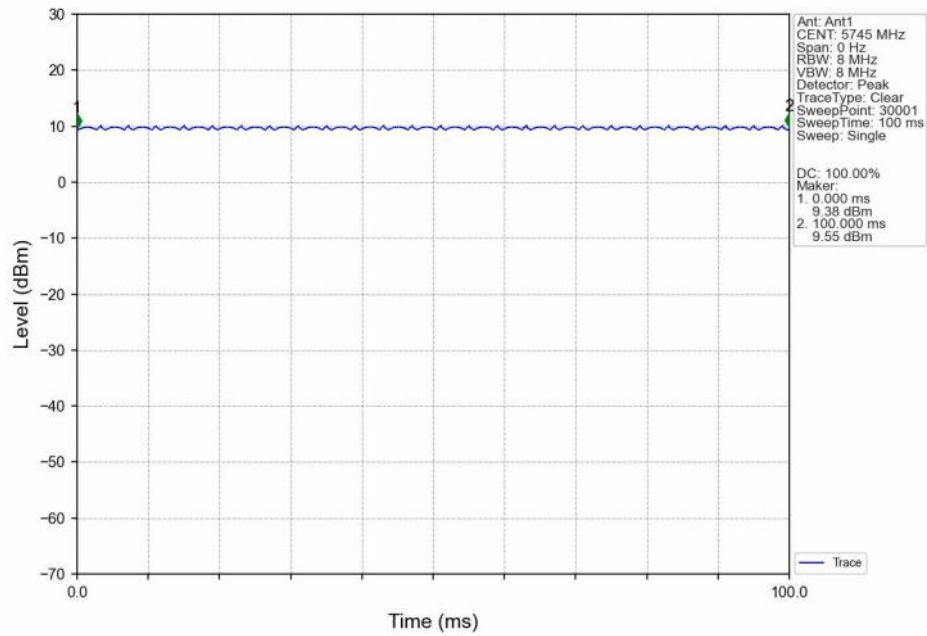
1.1.1 Ant1

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	/	/	100.000	100.000	100.00	0.00	0.00
		5785	/	/	100.000	100.000	100.00	0.00	0.00
		5825	/	/	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	SISO	5745	/	/	100.000	100.000	100.00	0.00	0.00
		5785	/	/	100.000	100.000	100.00	0.00	0.00
		5825	/	/	0.244	0.455	53.63	2.71	14.95
802.11n (HT40)	SISO	5755	/	/	0.650	0.692	93.93	0.27	0.03
		5795	/	/	0.109	0.346	31.50	5.02	14.26
802.11ac (VHT20)	SISO	5745	/	/	0.199	0.425	46.82	3.30	17.78
		5785	/	/	0.197	0.367	53.68	2.70	19.84
		5825	/	/	0.196	0.358	54.75	2.62	18.41
802.11ac (VHT40)	SISO	5755	/	/	100.000	100.000	100.00	0.00	0.00
		5795	/	/	0.110	0.336	32.74	4.85	45.32
802.11ax (HEW20)	SISO	5745	SU	/	0.140	0.319	43.89	3.58	22.36
		5785	SU	/	0.140	0.302	46.36	3.34	19.81
		5825	SU	/	0.140	0.311	45.02	3.47	21.11
802.11ax (HEW40)	SISO	5755	SU	/	0.099	0.336	29.46	5.31	10.83
		5795	SU	/	0.099	0.336	29.46	5.31	14.02

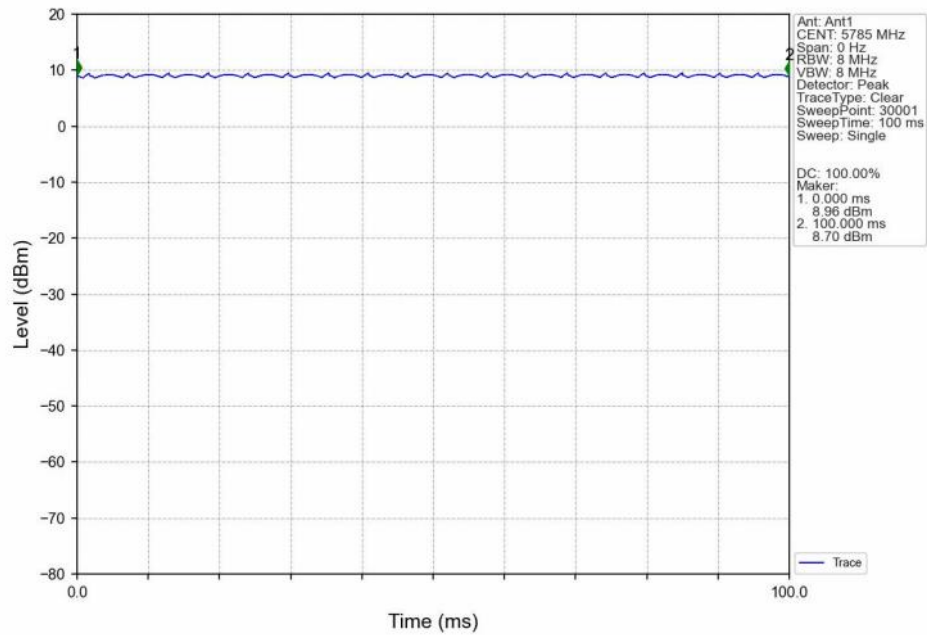
1.2 Test Graph

1.2.1 Ant1

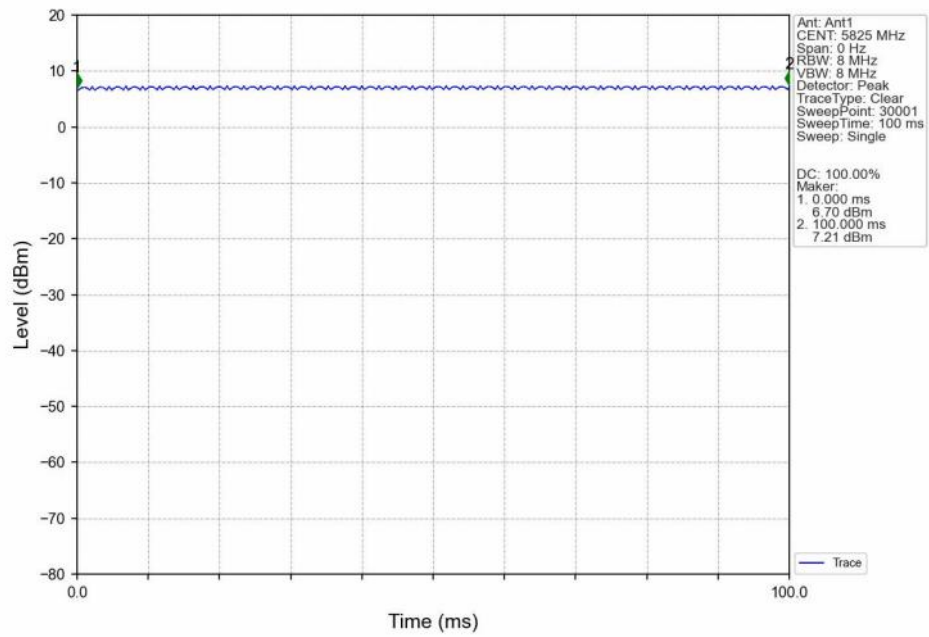
802.11a_LCH_5745MHz_Ant1_NTNV



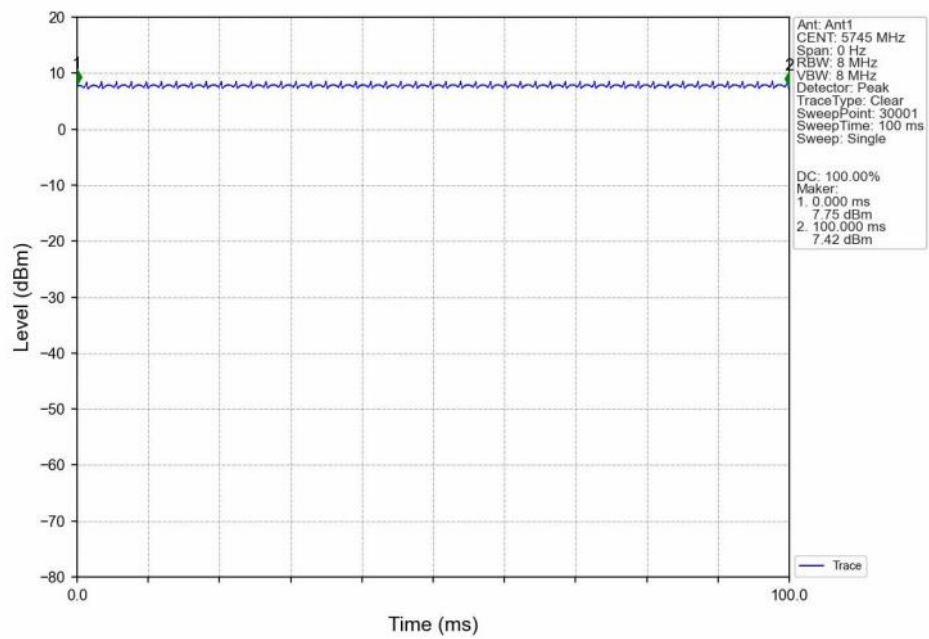
802.11a_MCH_5785MHz_Ant1_NTNV



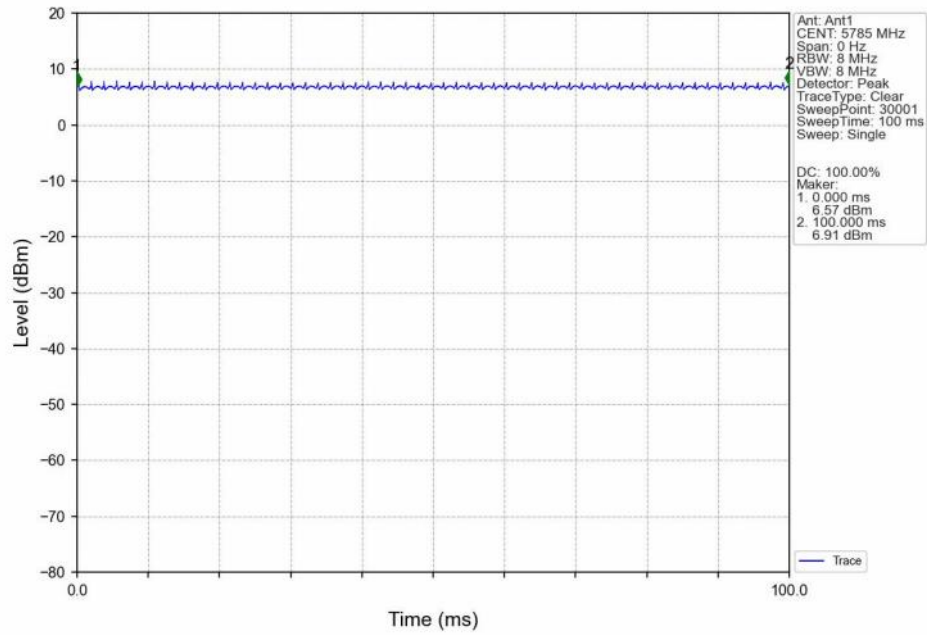
802.11a_HCH_5825MHz_Ant1_NTNV



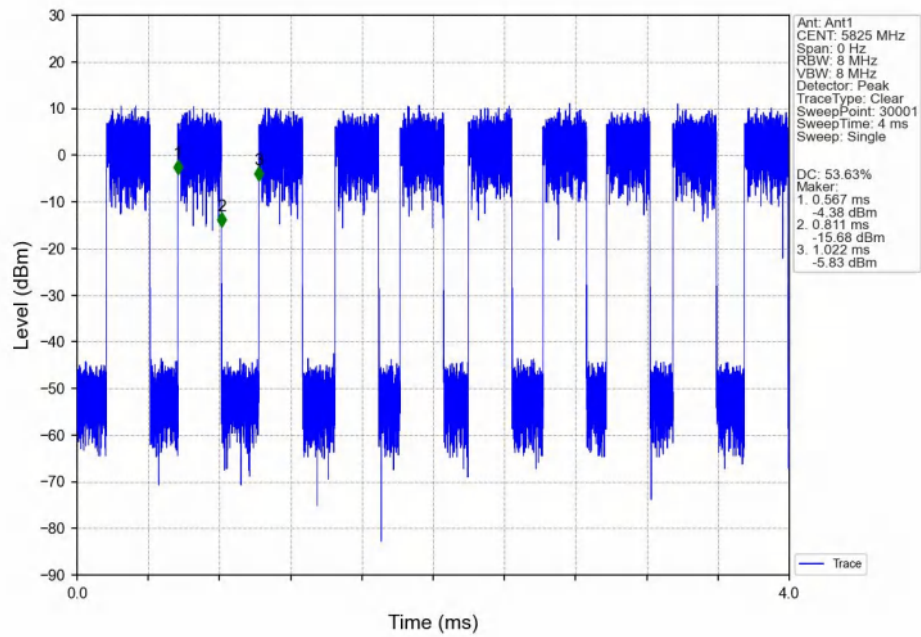
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



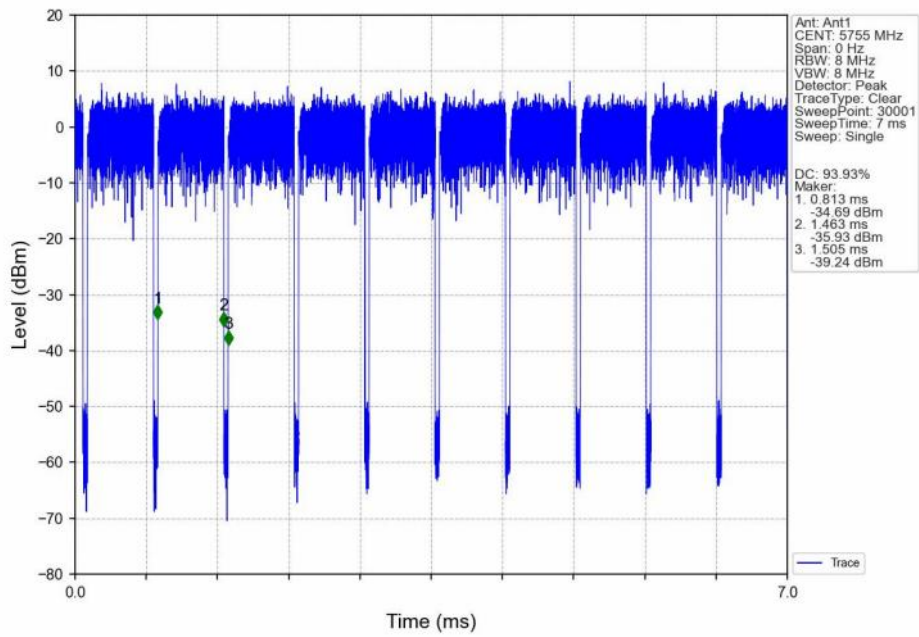
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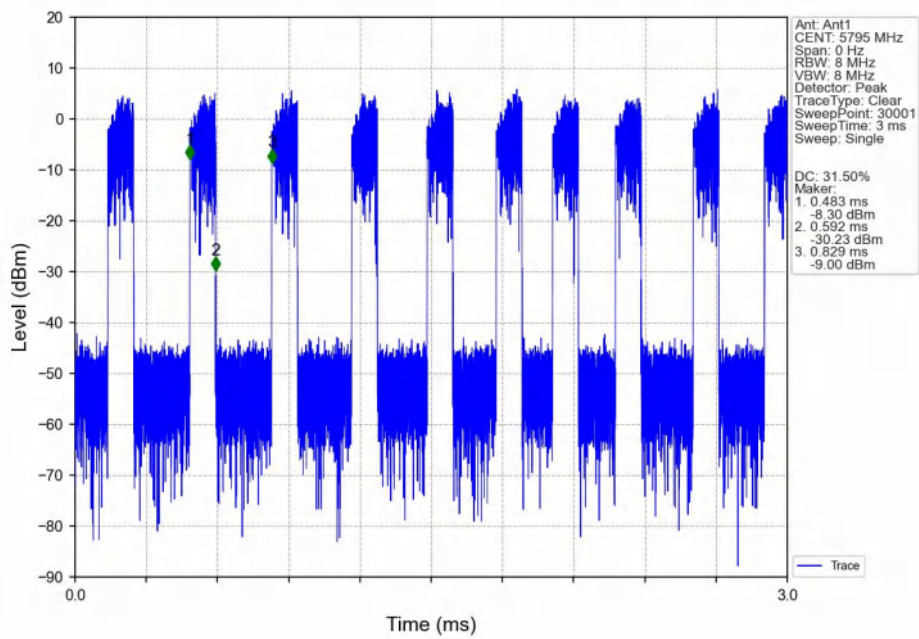
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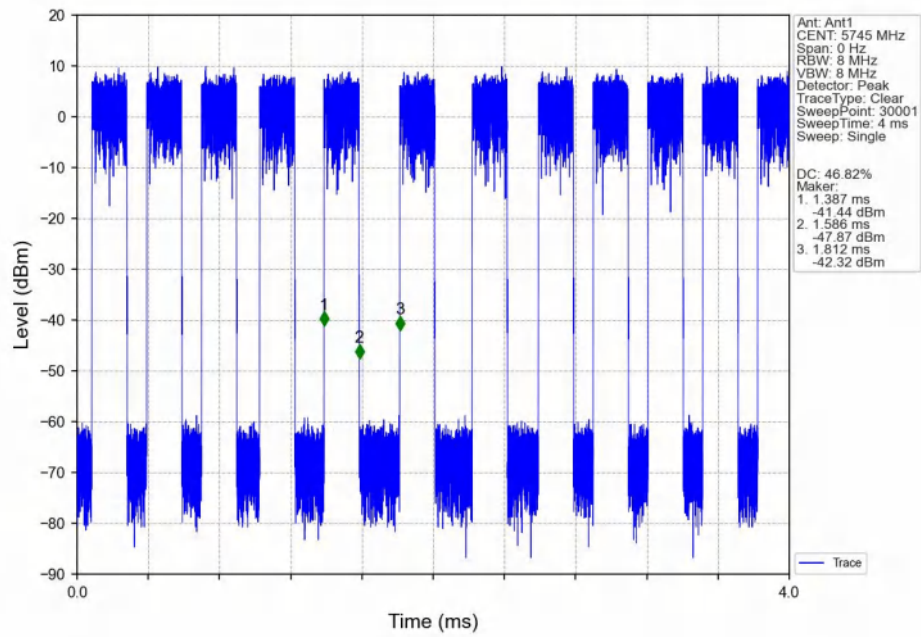
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



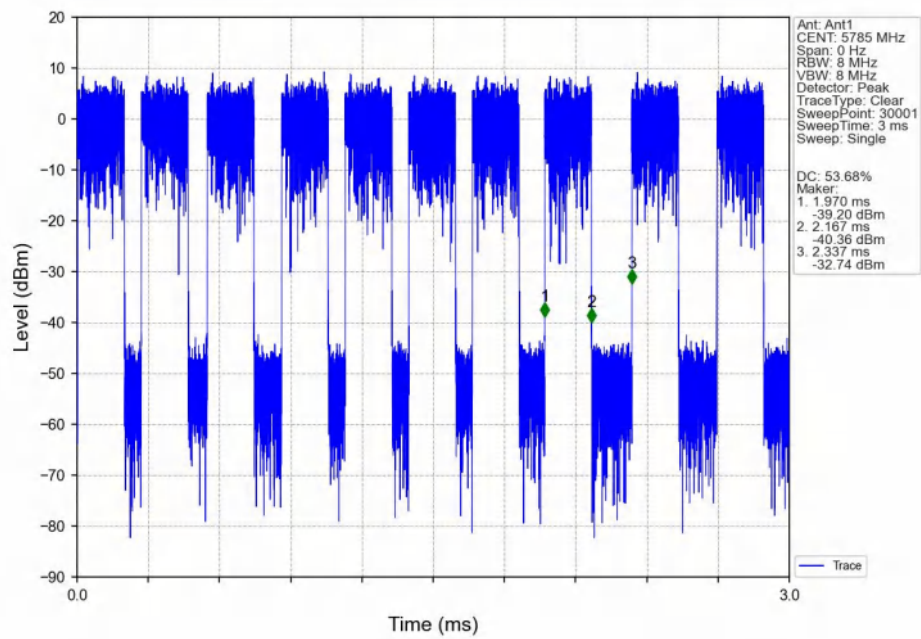
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



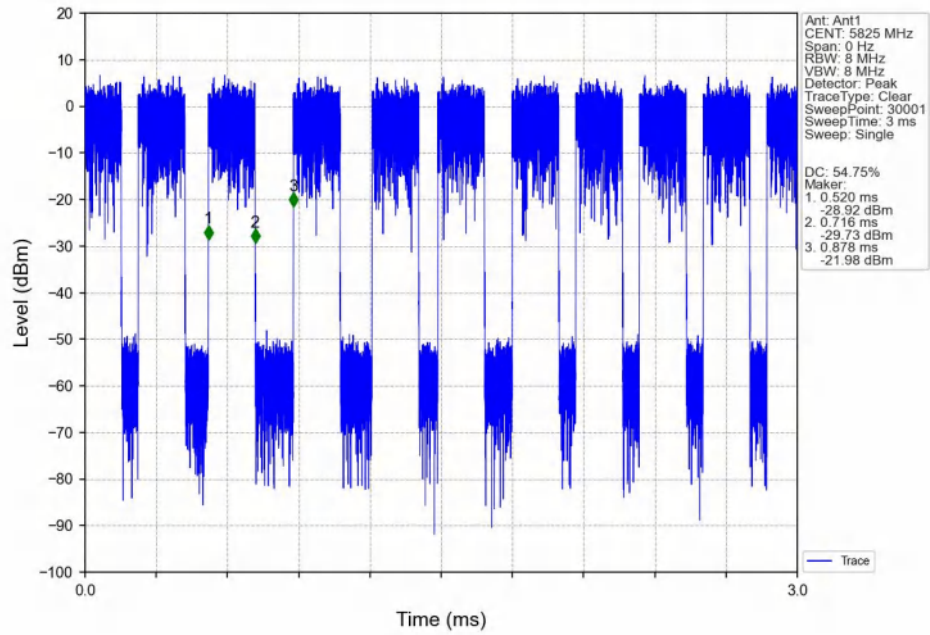
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



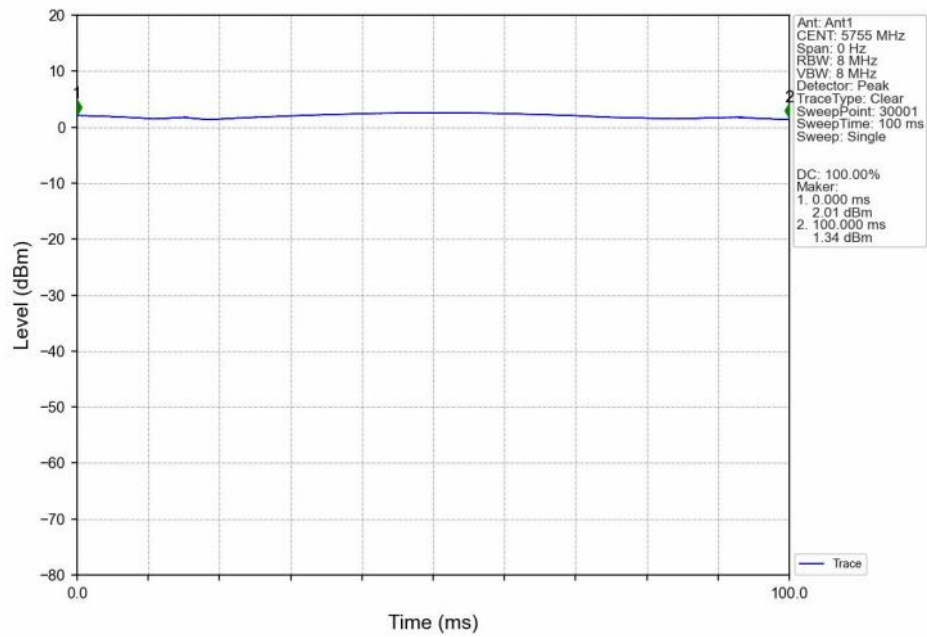
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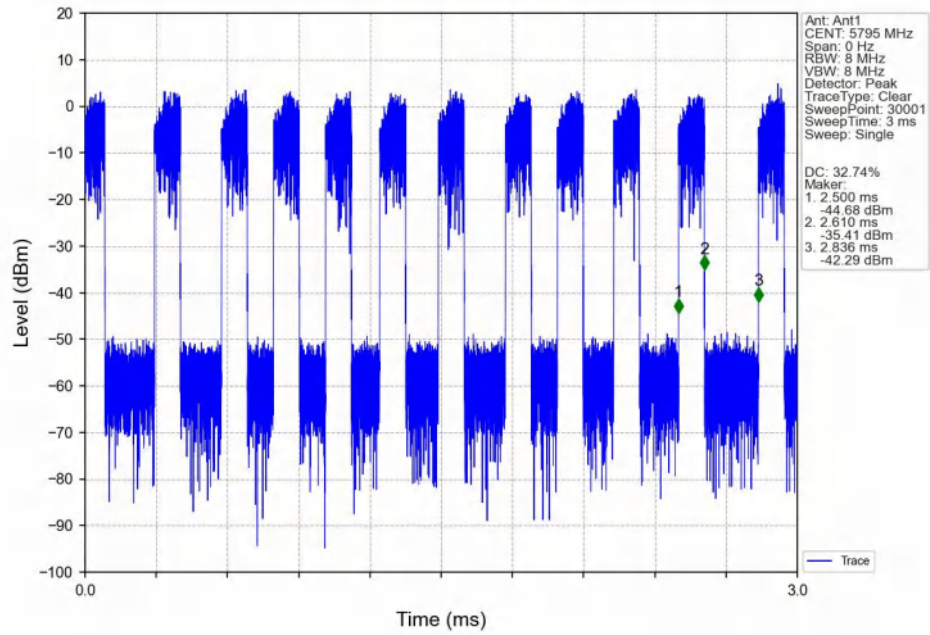
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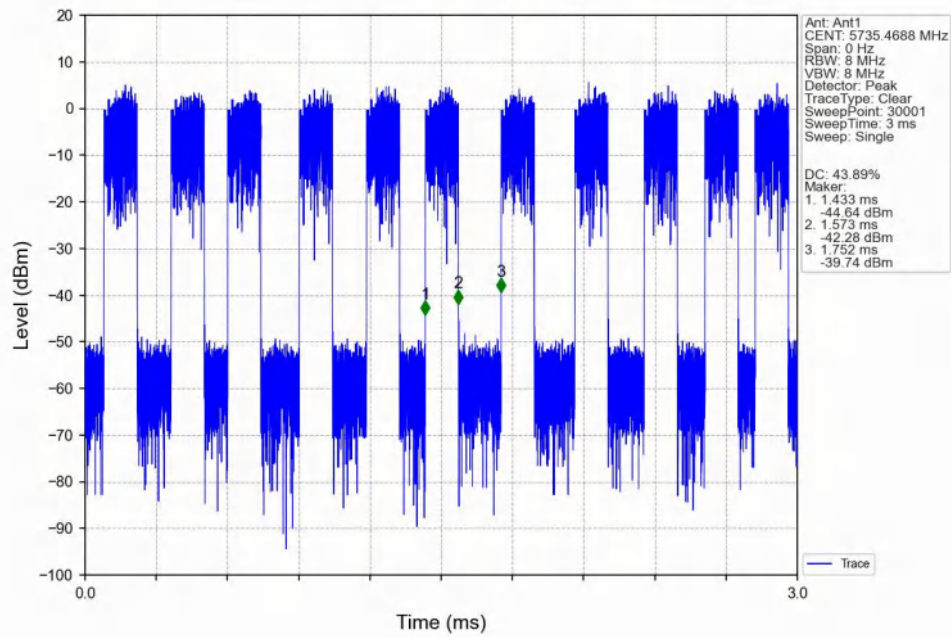
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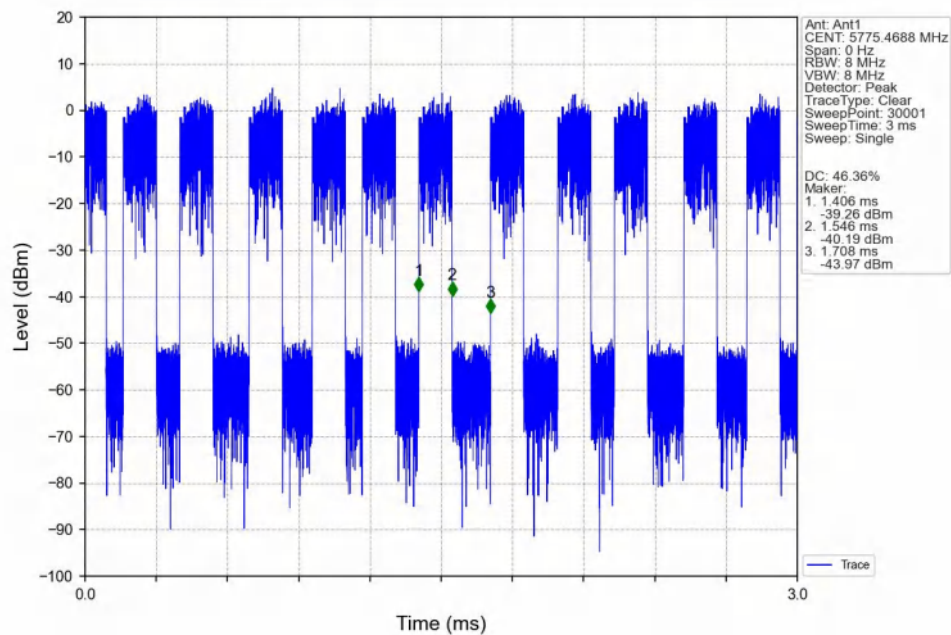
802.11ac(VHT40) HCH_5795MHz_Ant1_NTNV



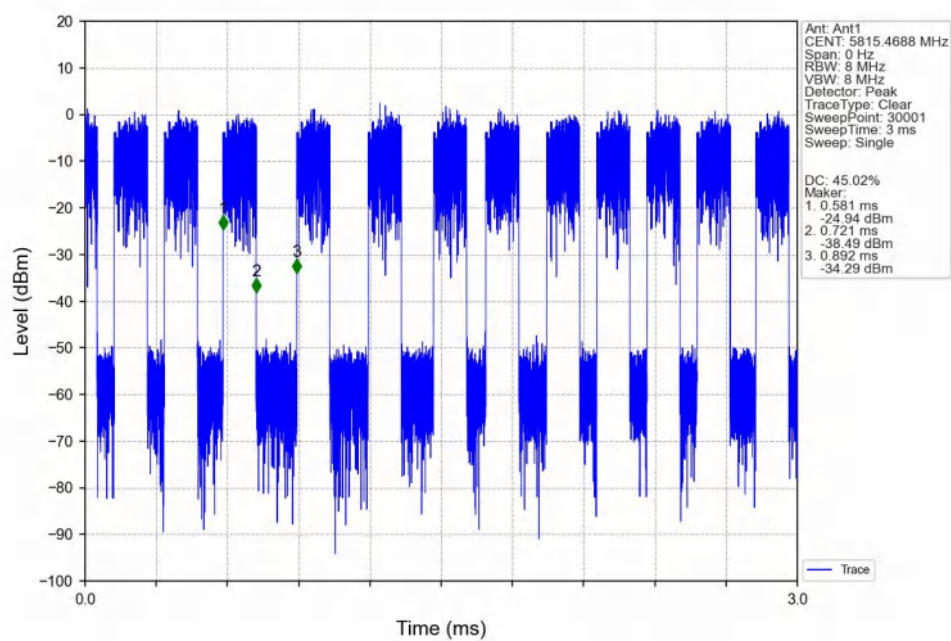
802.11ax(HEW20) LCH_5745MHz_SU / Ant1_NTNV



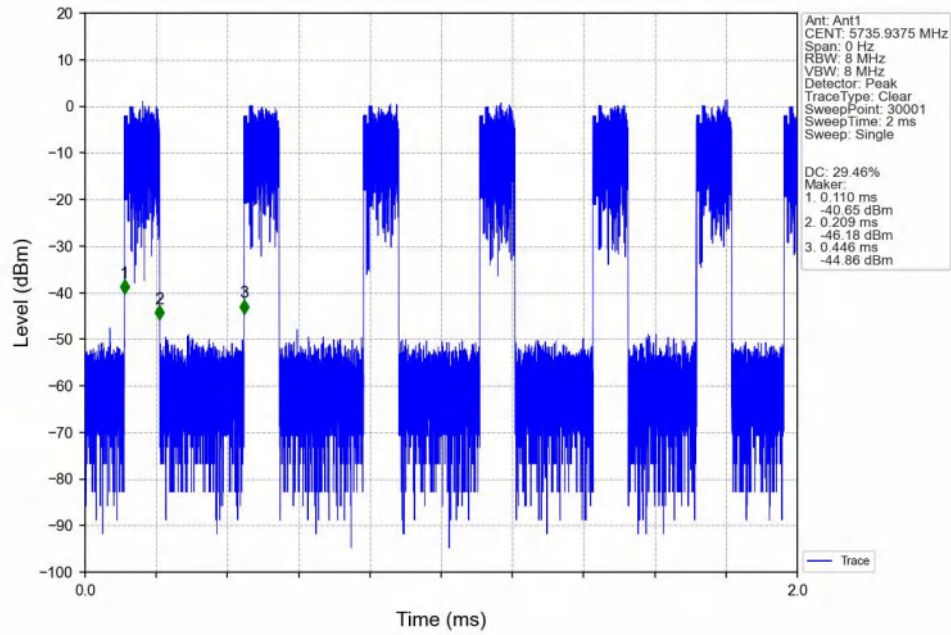
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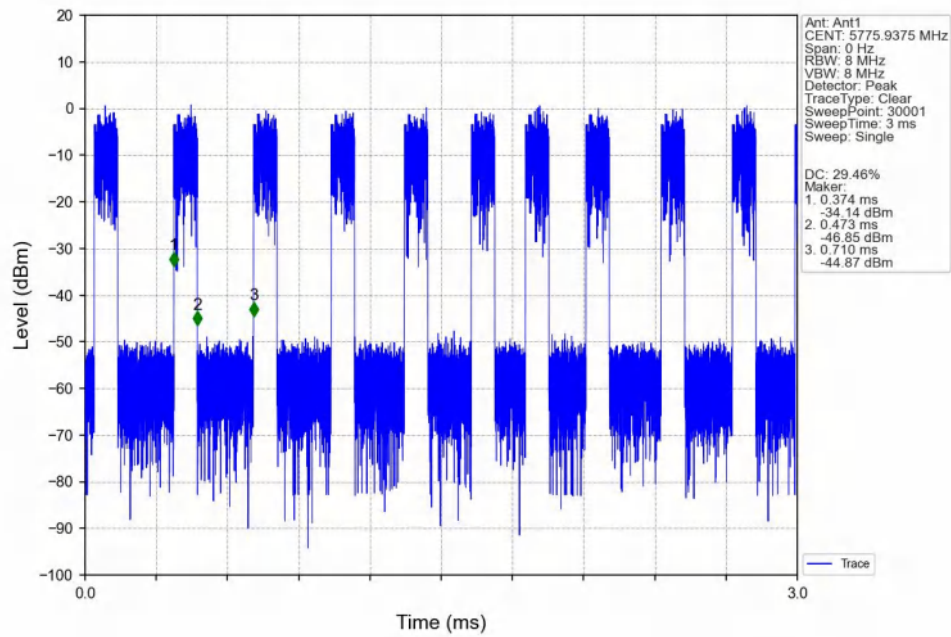
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



2.Maximum Output Power

2.1 Test Result

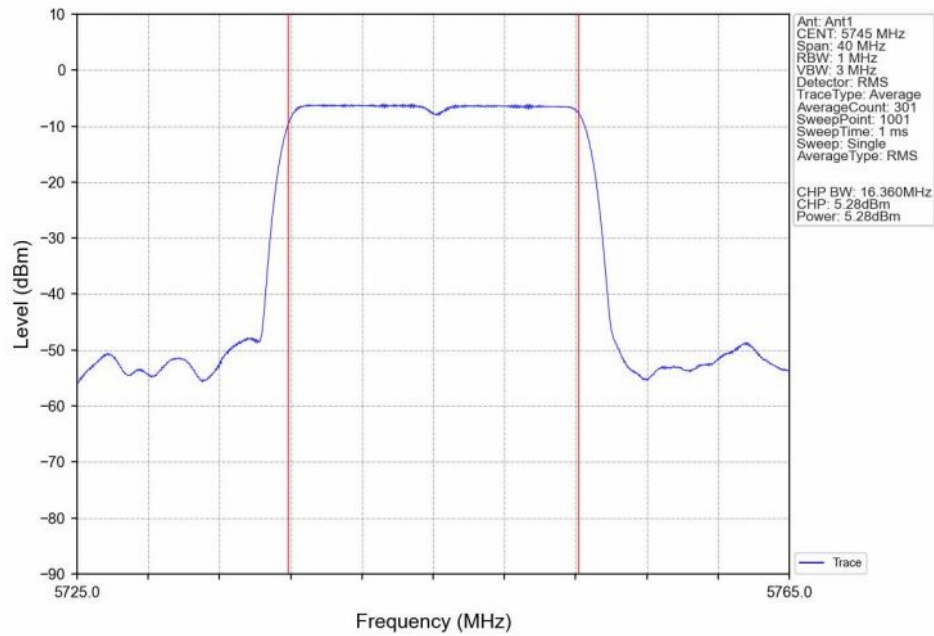
2.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	5.28	<=30	Pass
		5785	/	/	4.44	<=30	Pass
		5825	/	/	2.71	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	4.89	<=30	Pass
		5785	/	/	3.98	<=30	Pass
		5825	/	/	4.98	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	2.81	<=30	Pass
		5795	/	/	3.77	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	5.09	<=30	Pass
		5785	/	/	3.21	<=30	Pass
		5825	/	/	0.88	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	3.30	<=30	Pass
		5795	/	/	2.50	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	2.49	<=30	Pass
		5785	SU	/	1.18	<=30	Pass
		5825	SU	/	-1.16	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	2.34	<=30	Pass
		5795	SU	/	0.85	<=30	Pass
Note1: Antenna Gain: Ant1: 3.40dBi;							

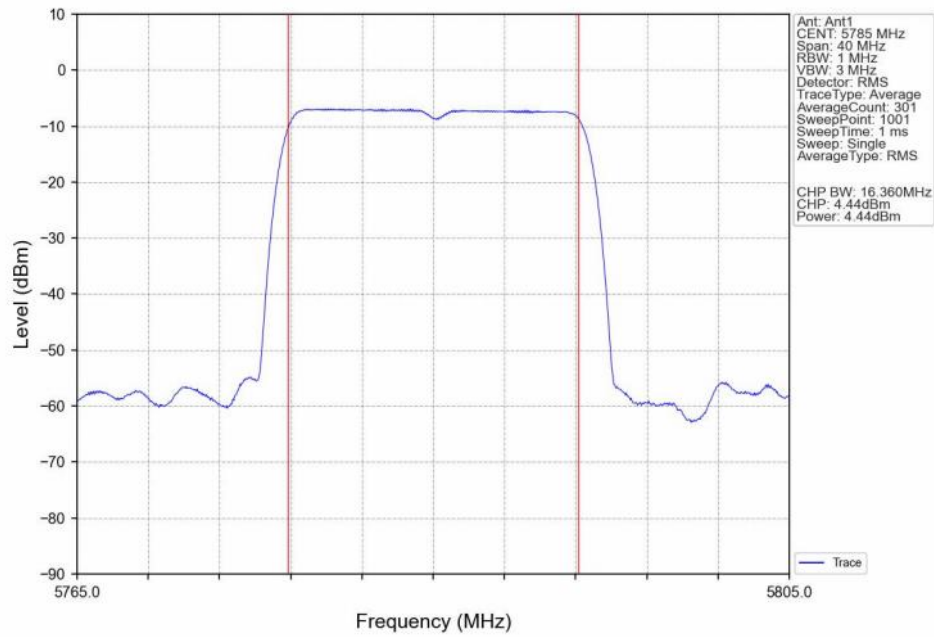
2.2 Test Graph

2.2.1 Power

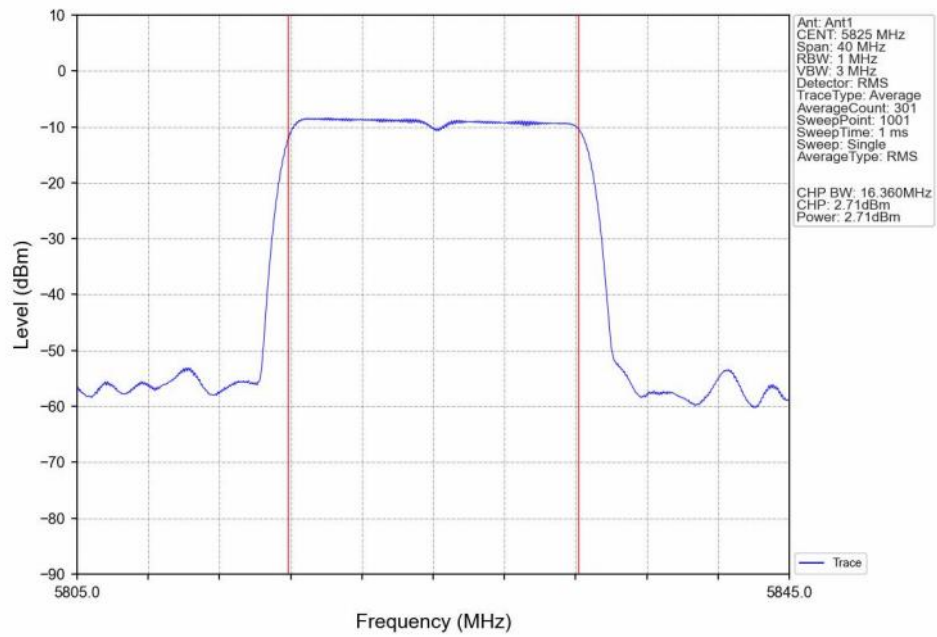
802.11a_LCH_5745MHz_Ant1_NTNV



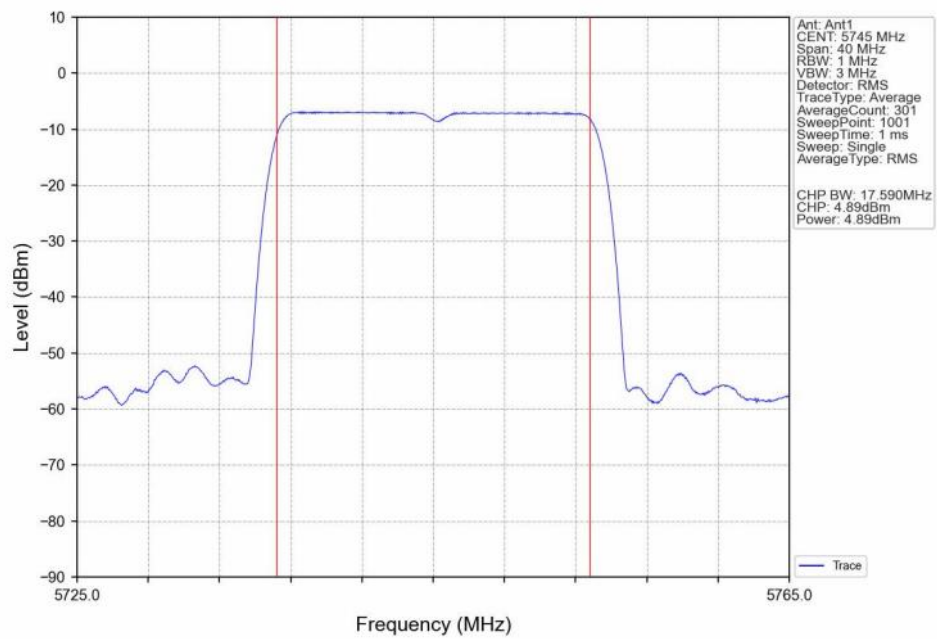
802.11a_MCH_5785MHz_Ant1_NTNV



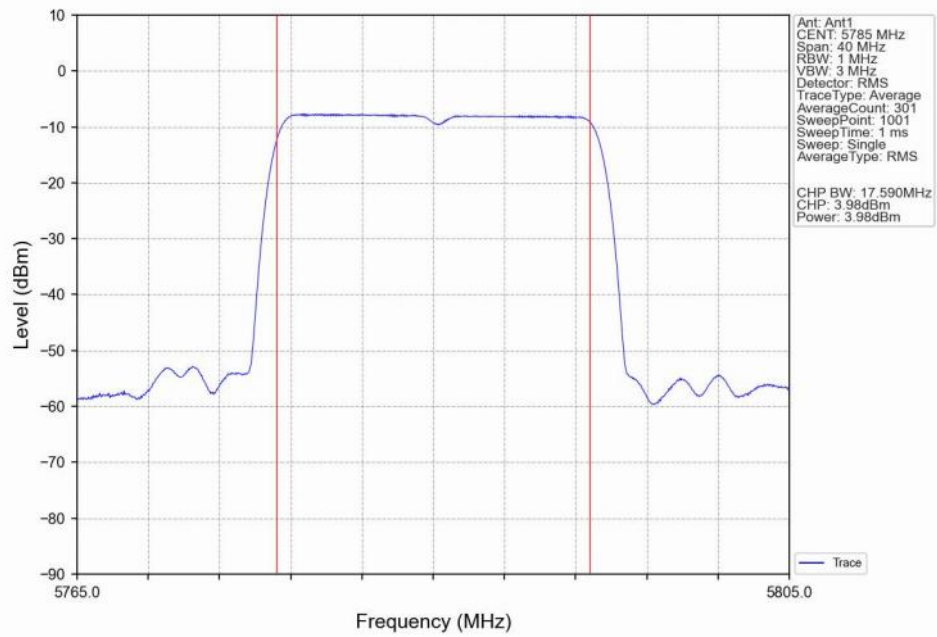
802.11a_HCH_5825MHz_Ant1_NTNV



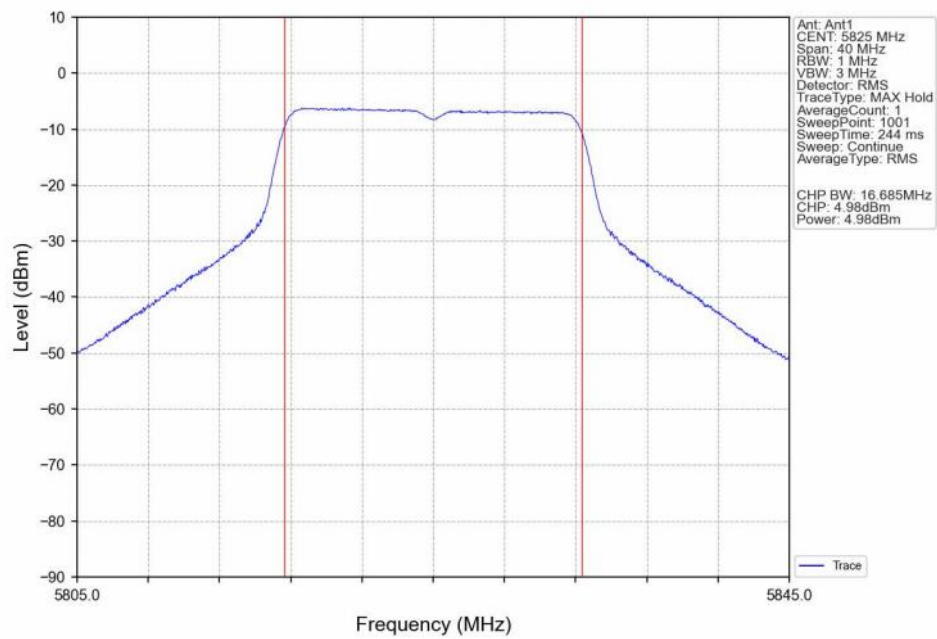
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



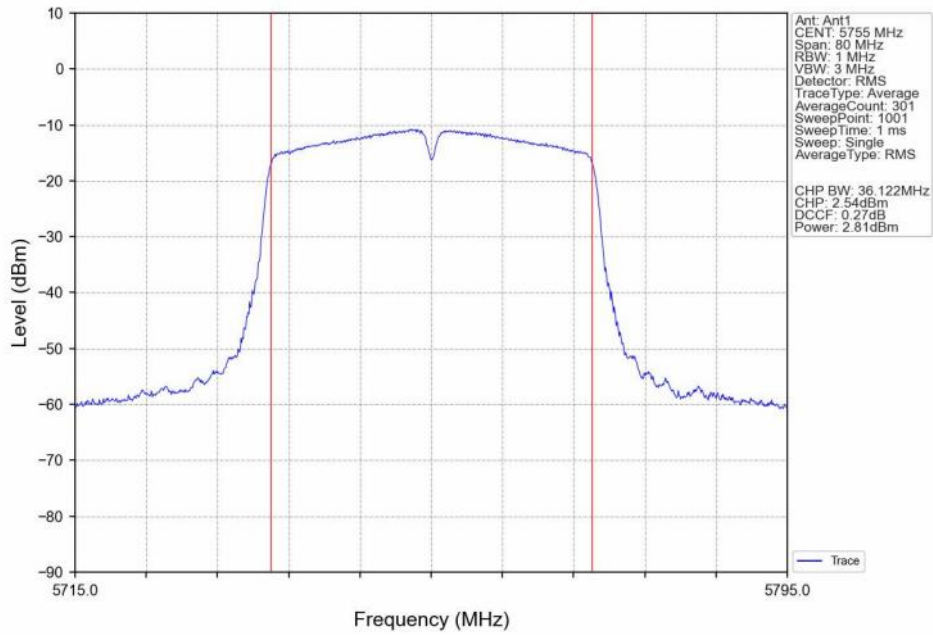
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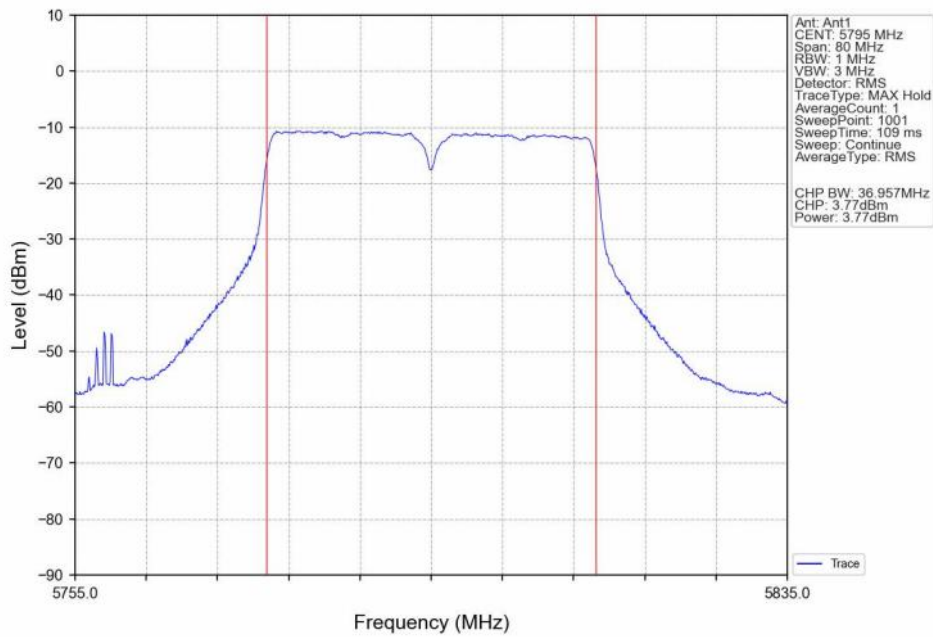
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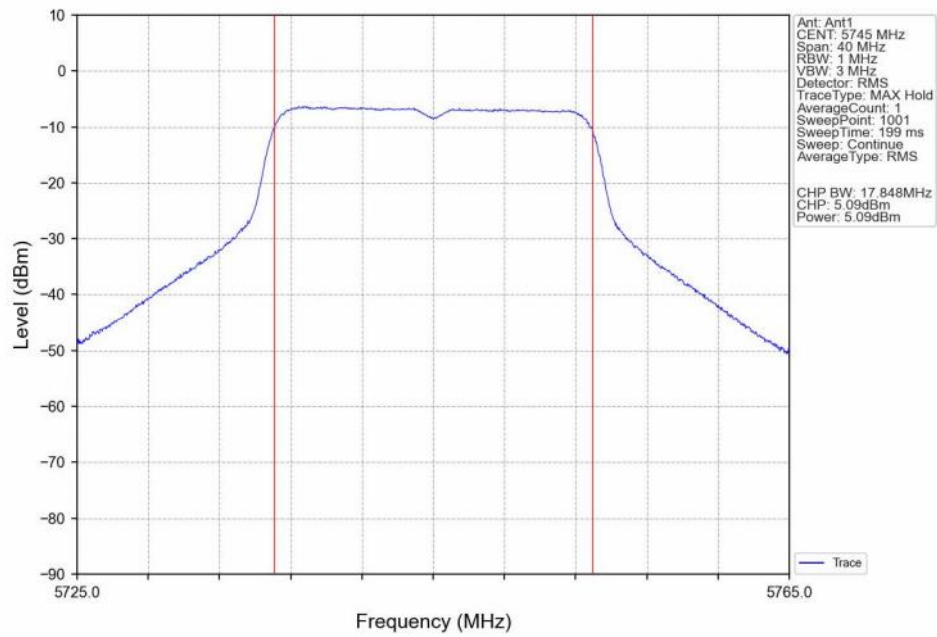
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



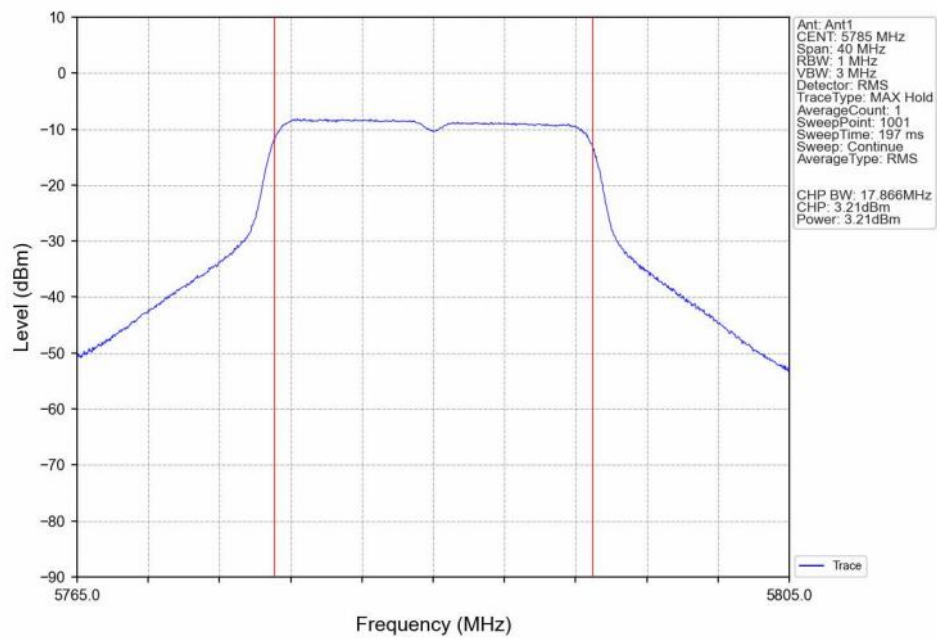
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



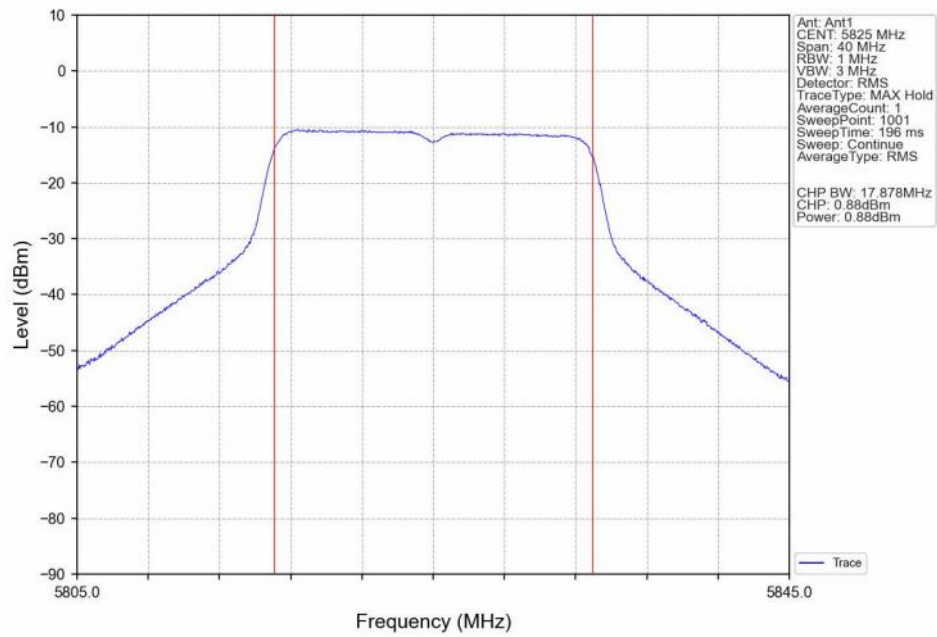
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



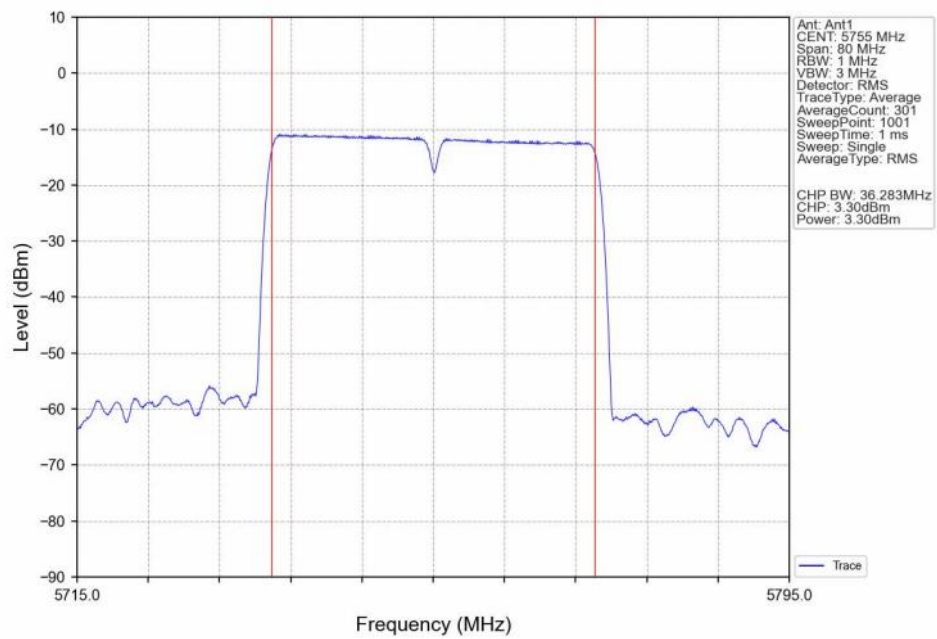
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



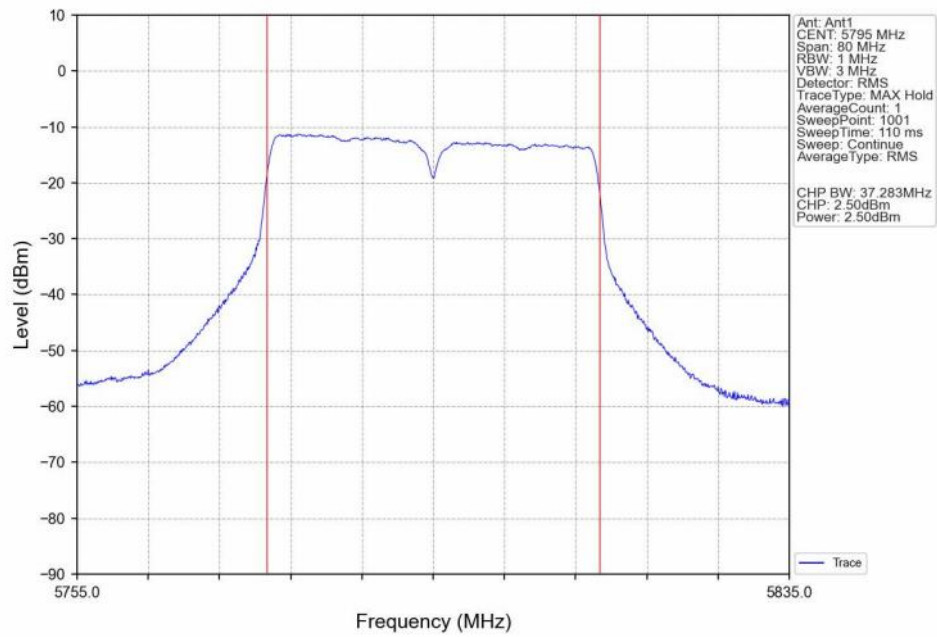
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



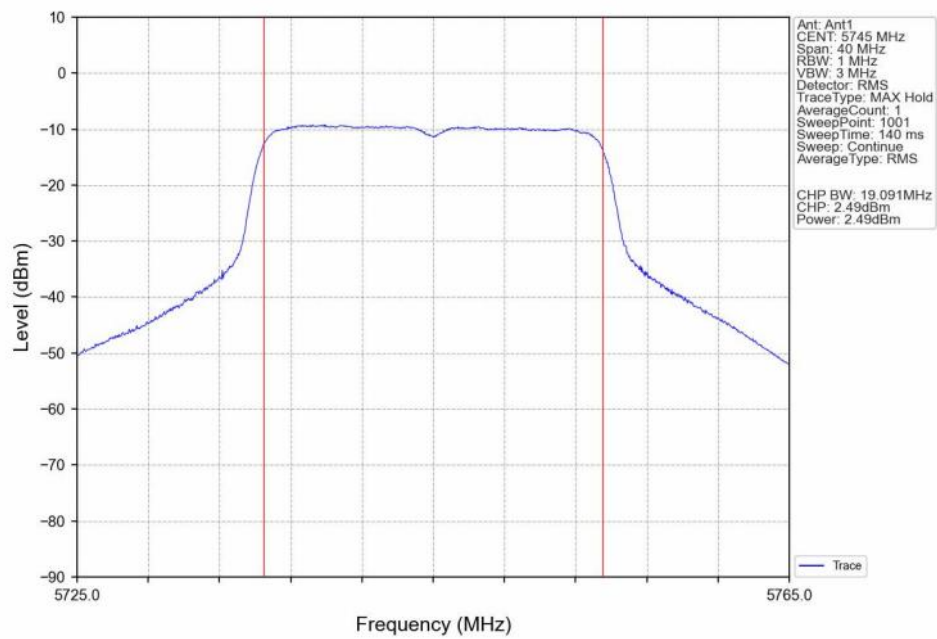
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



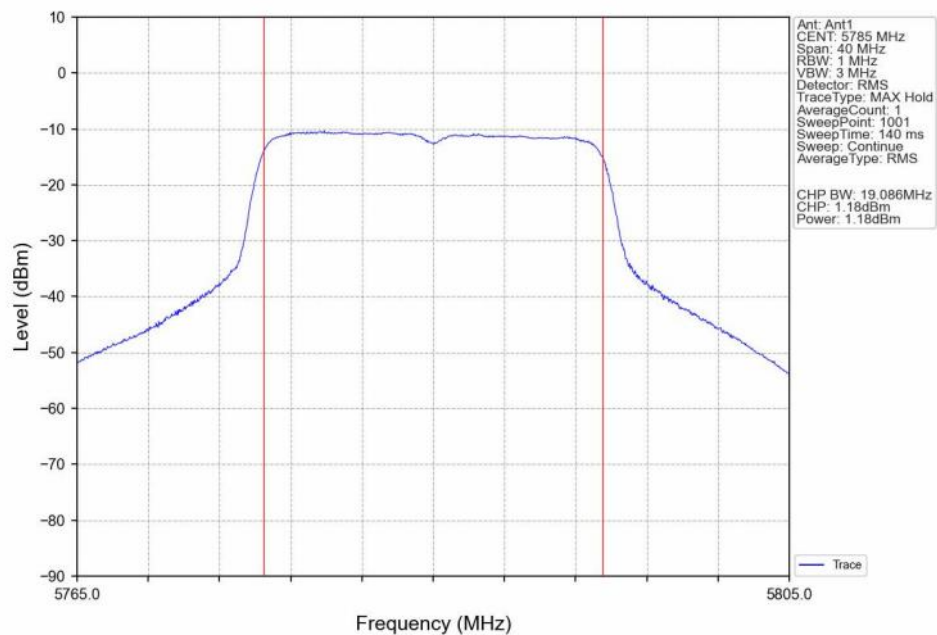
802.11ac(VHT40) HCH_5795MHz_Ant1_NTNV



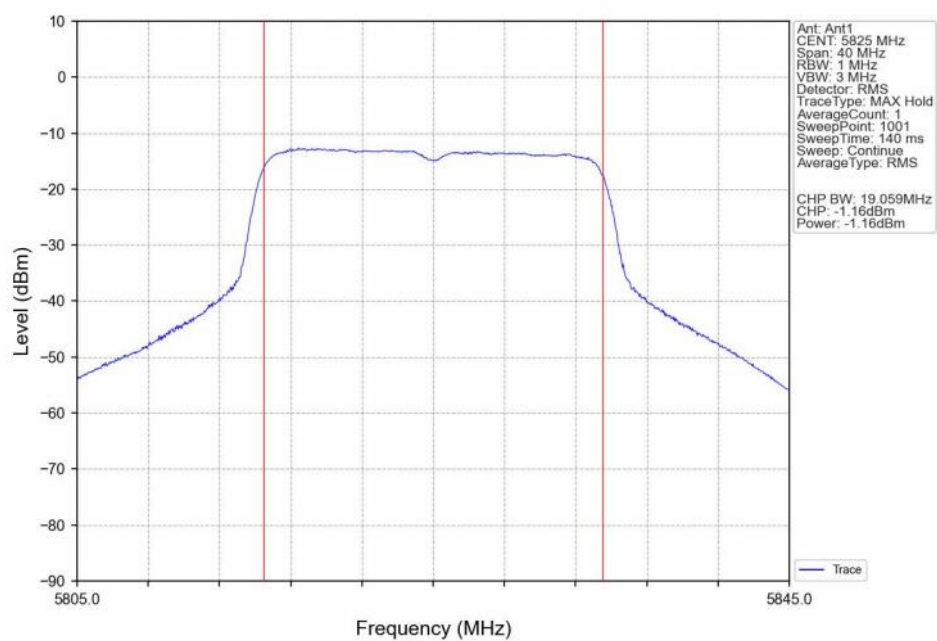
802.11ax(HEW20) LCH_5745MHz_SU / Ant1_NTNV



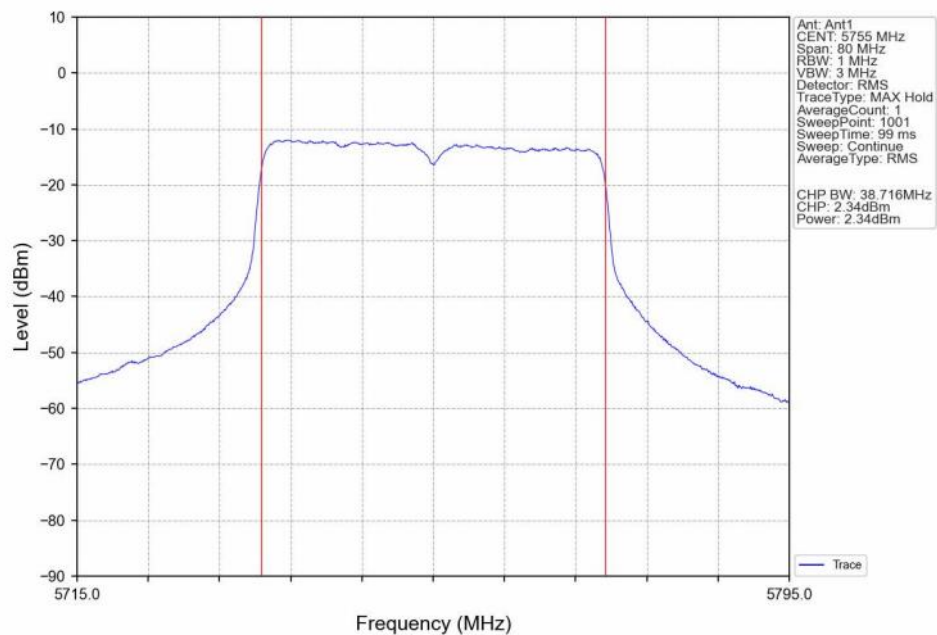
802.11ax(HEW20)_MCH_5785MHz_SU / Ant1_NTNV



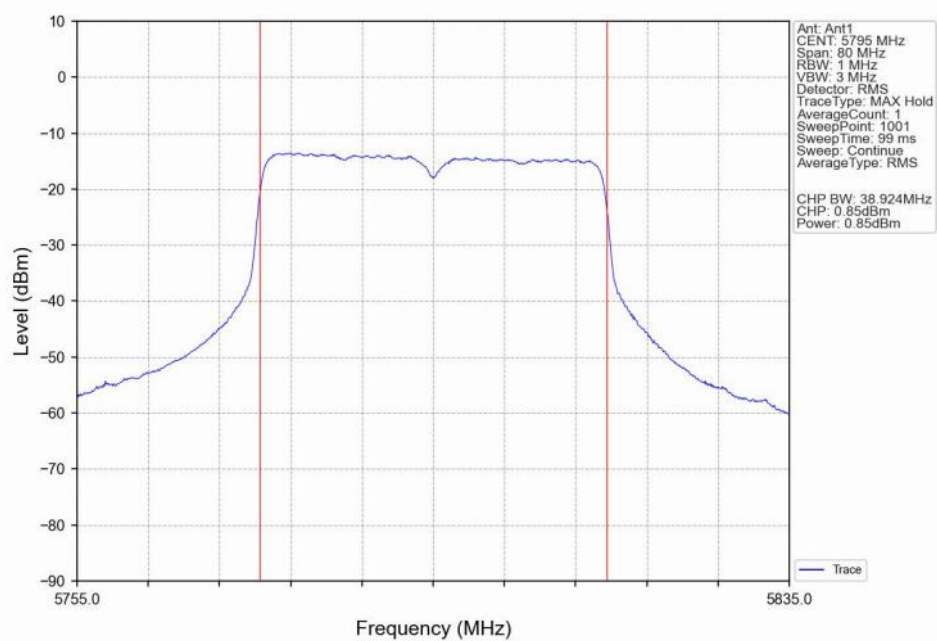
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



3.-6dB Bandwidth and 99% Bandwidth Measurement

3. Bandwidth

3.1 Test Result

3.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.360	/	Pass
		5785	/	/	1	16.360	/	Pass
		5825	/	/	1	16.360	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.590	/	Pass
		5785	/	/	1	17.590	/	Pass
		5825	/	/	1	16.685	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.122	/	Pass
		5795	/	/	1	36.957	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.848	/	Pass
		5785	/	/	1	17.866	/	Pass
		5825	/	/	1	17.878	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.283	/	Pass
		5795	/	/	1	37.283	/	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	19.091	/	Pass
		5785	SU	/	1	19.086	/	Pass
		5825	SU	/	1	19.059	/	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	38.716	/	Pass
		5795	SU	/	1	38.924	/	Pass

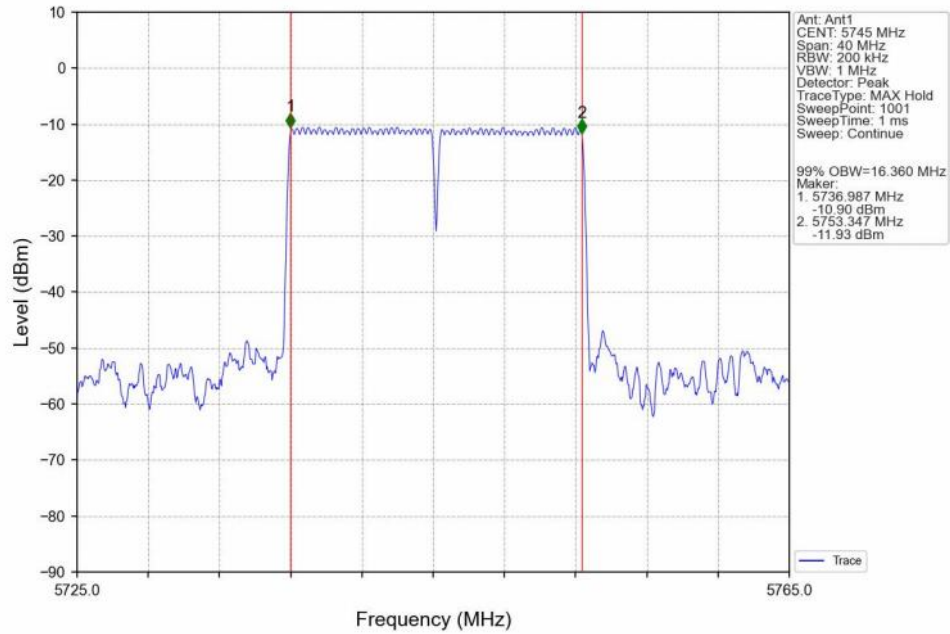
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.450	>=0.5	Pass
		5785	/	/	1	16.456	>=0.5	Pass
		5825	/	/	1	16.443	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.703	>=0.5	Pass
		5785	/	/	1	17.700	>=0.5	Pass
		5825	/	/	1	16.498	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	35.170	>=0.5	Pass
		5795	/	/	1	36.426	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.744	>=0.5	Pass
		5785	/	/	1	17.672	>=0.5	Pass
		5825	/	/	1	17.763	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.455	>=0.5	Pass
		5795	/	/	1	36.433	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	18.988	>=0.5	Pass
		5785	SU	/	1	18.950	>=0.5	Pass
		5825	SU	/	1	19.083	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	38.034	>=0.5	Pass
		5795	SU	/	1	37.931	>=0.5	Pass

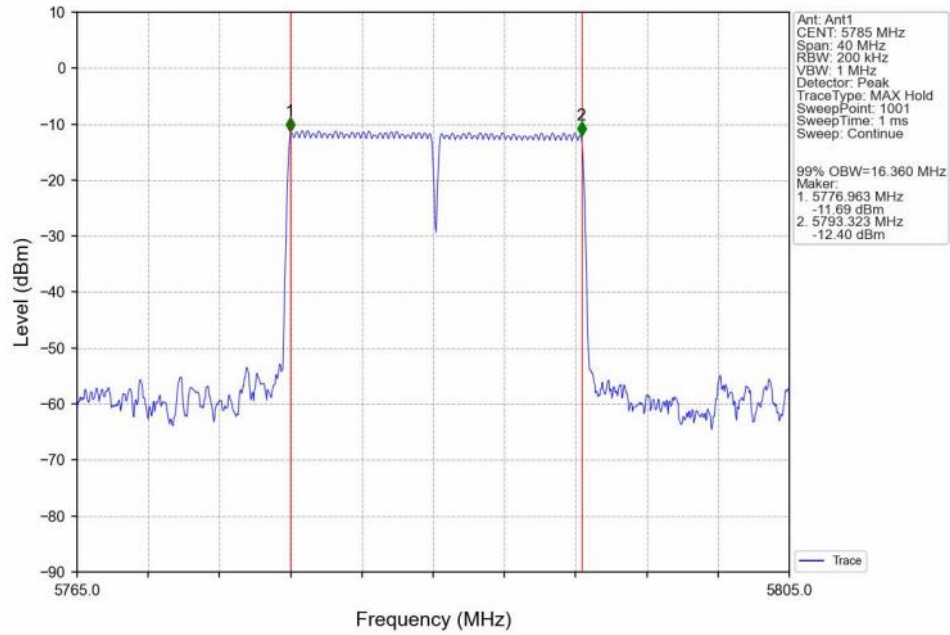
2.2 Test Graph

2.2.1 OBW

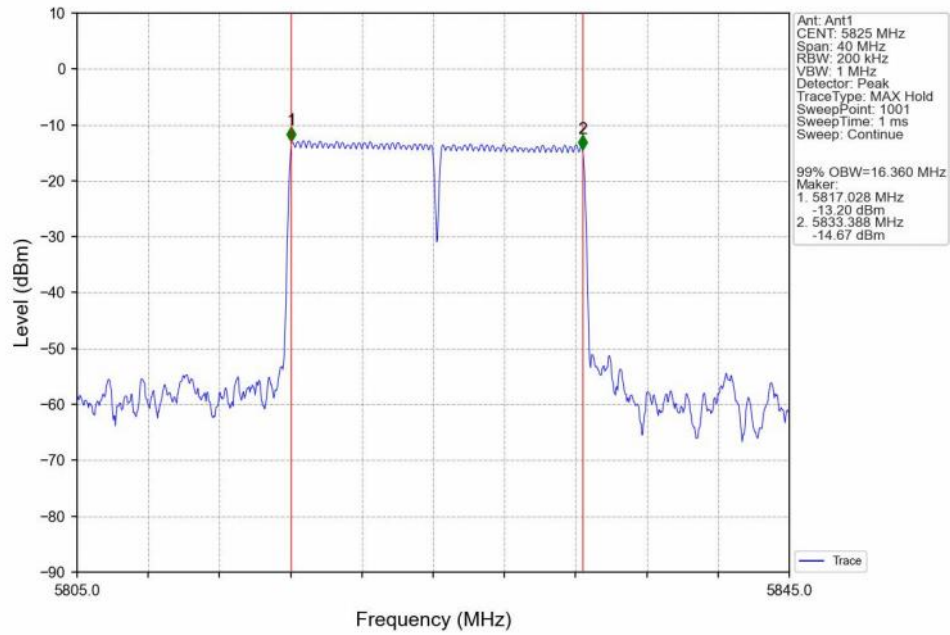
802.11a_LCH_5745MHz_Ant1_NTNV



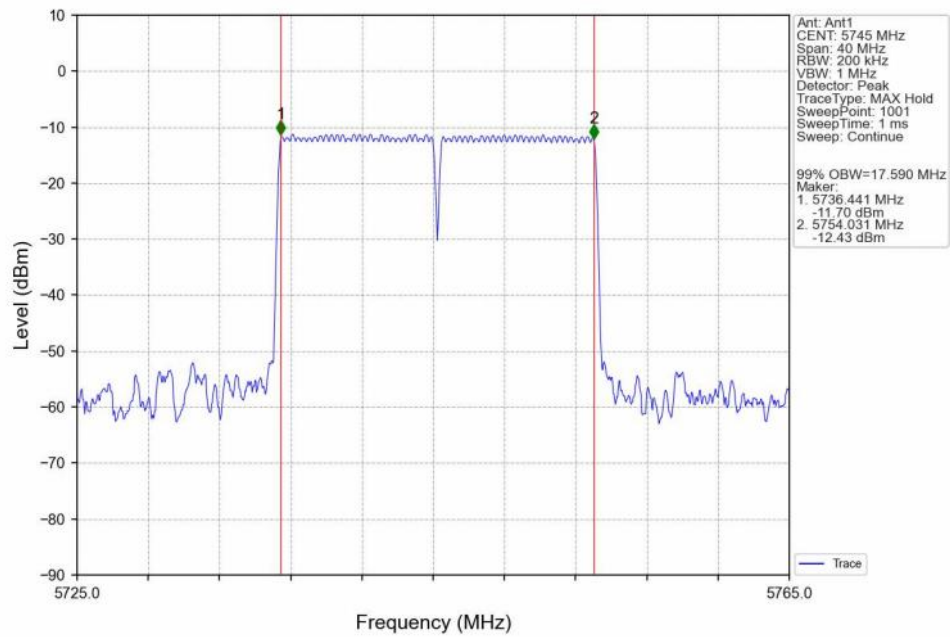
802.11a_MCH_5785MHz_Ant1_NTNV



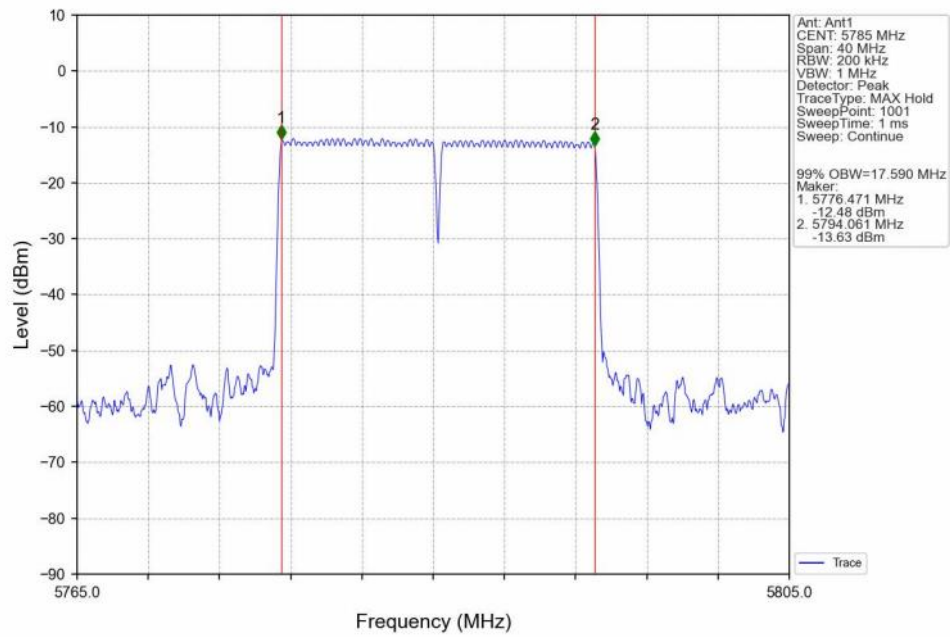
802.11a_HCH_5825MHz_Ant1_NTNV



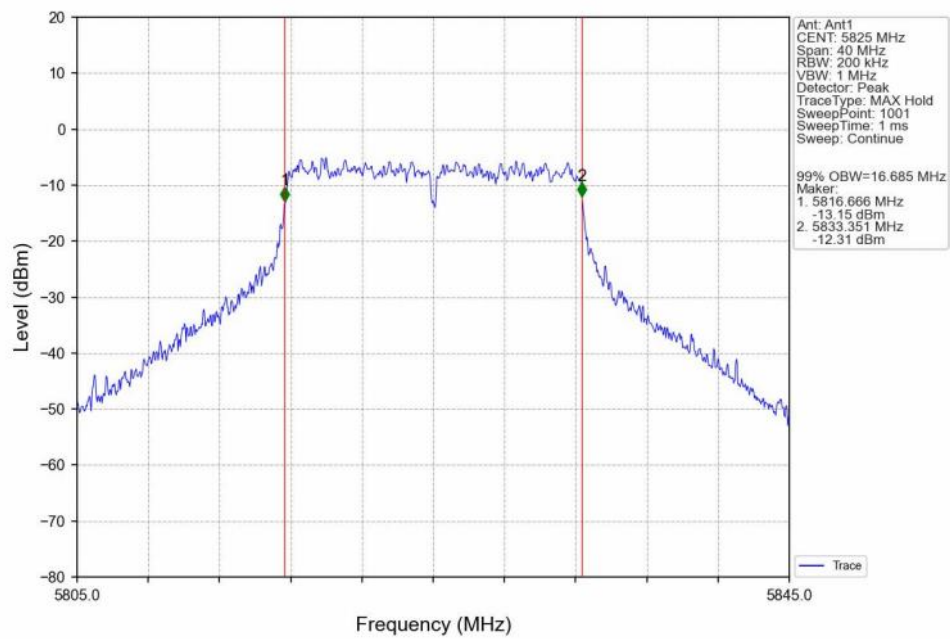
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



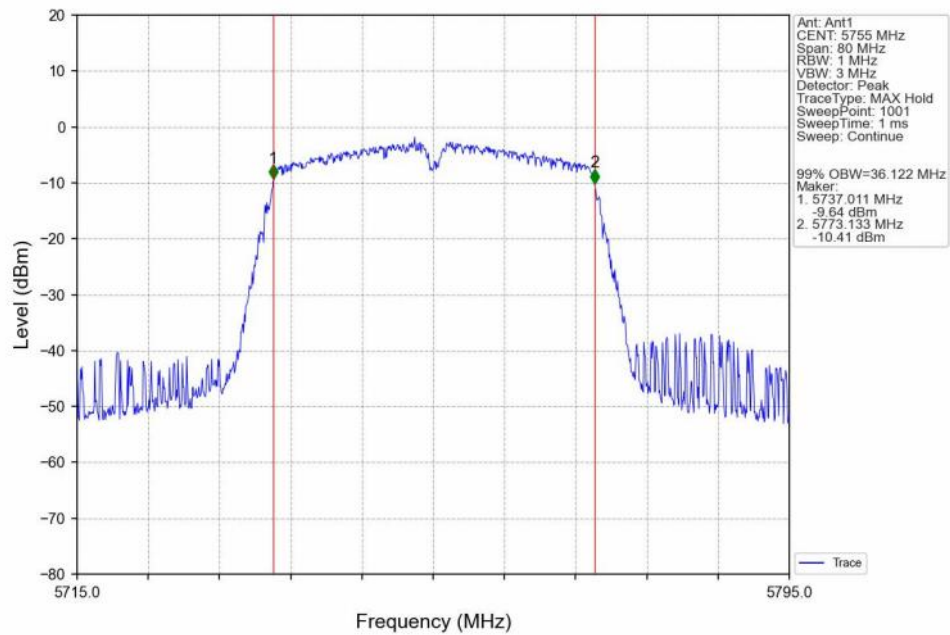
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



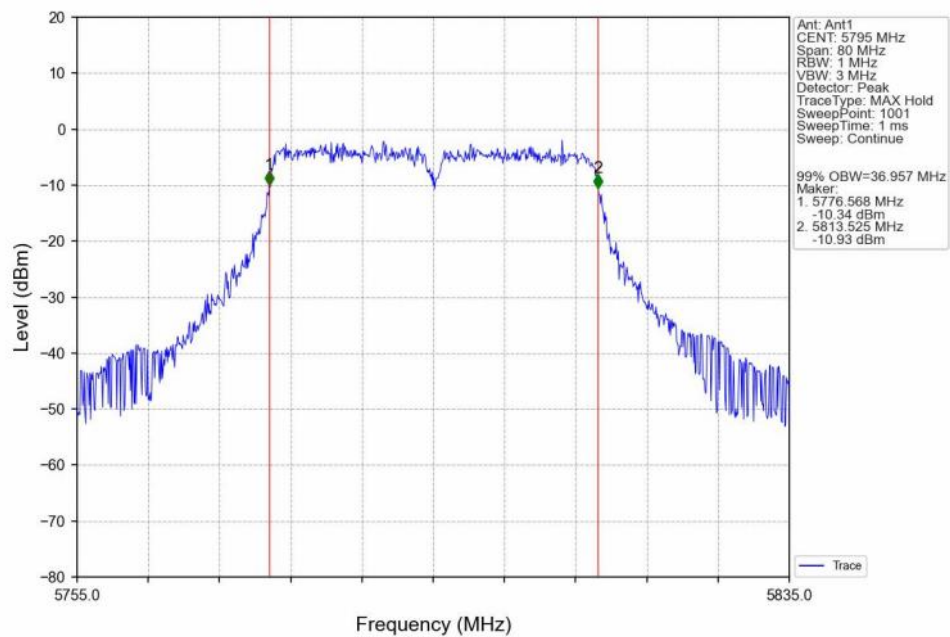
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



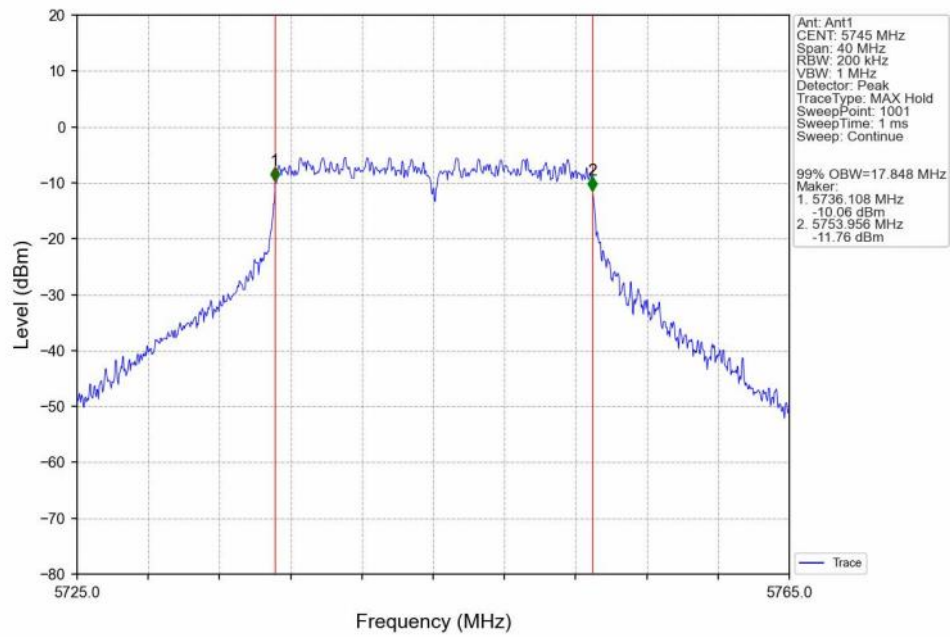
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



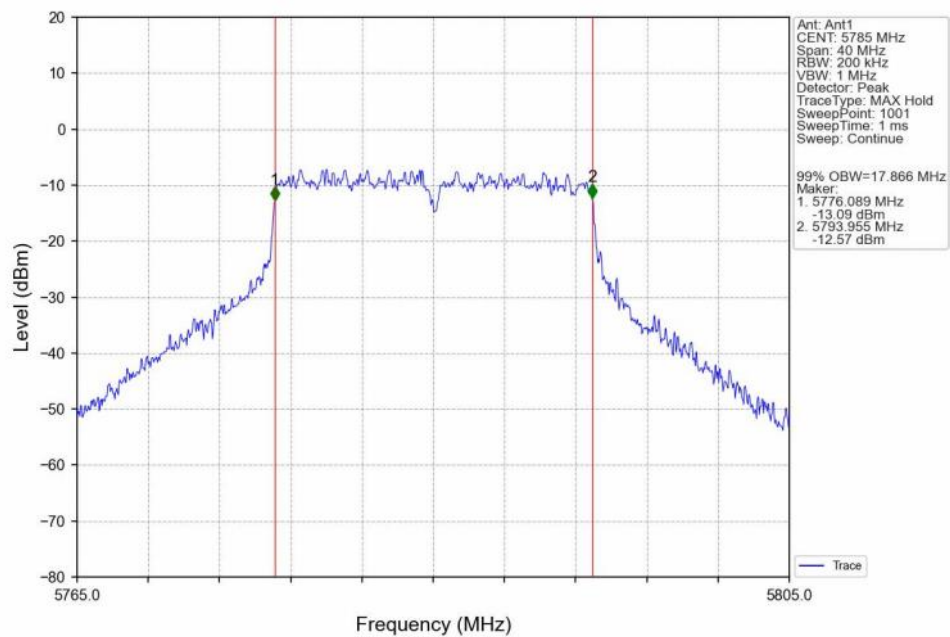
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



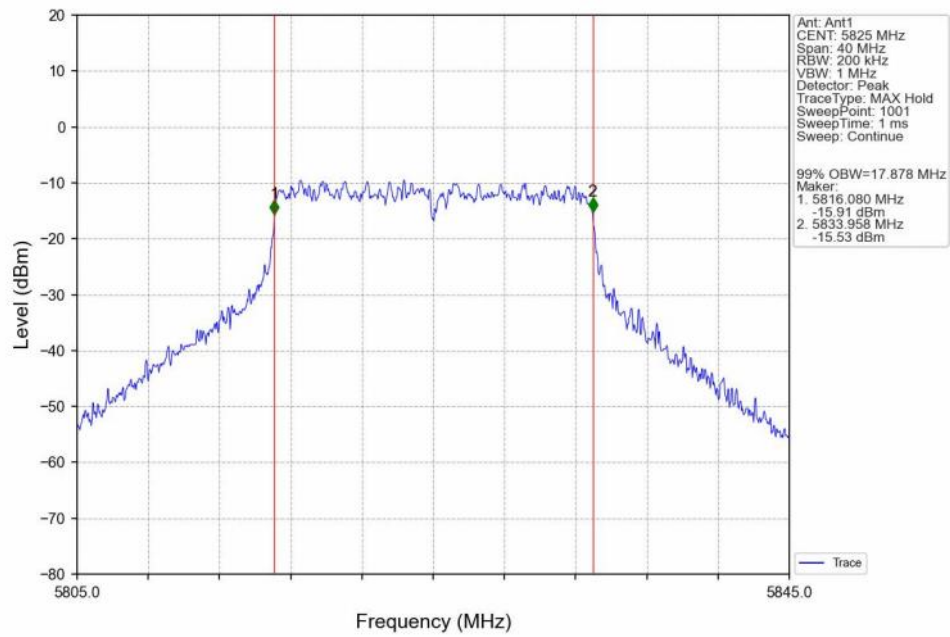
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



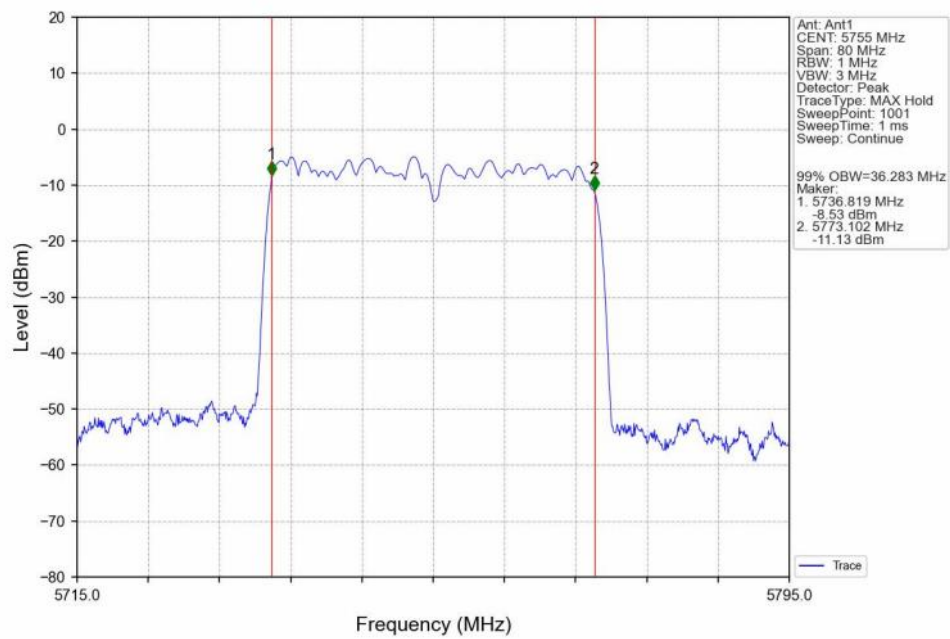
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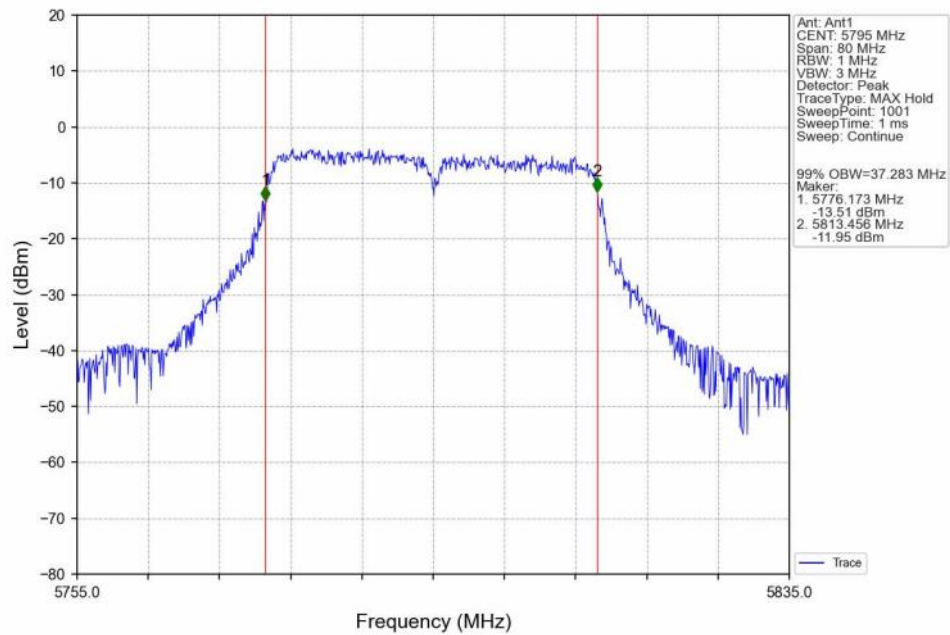
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



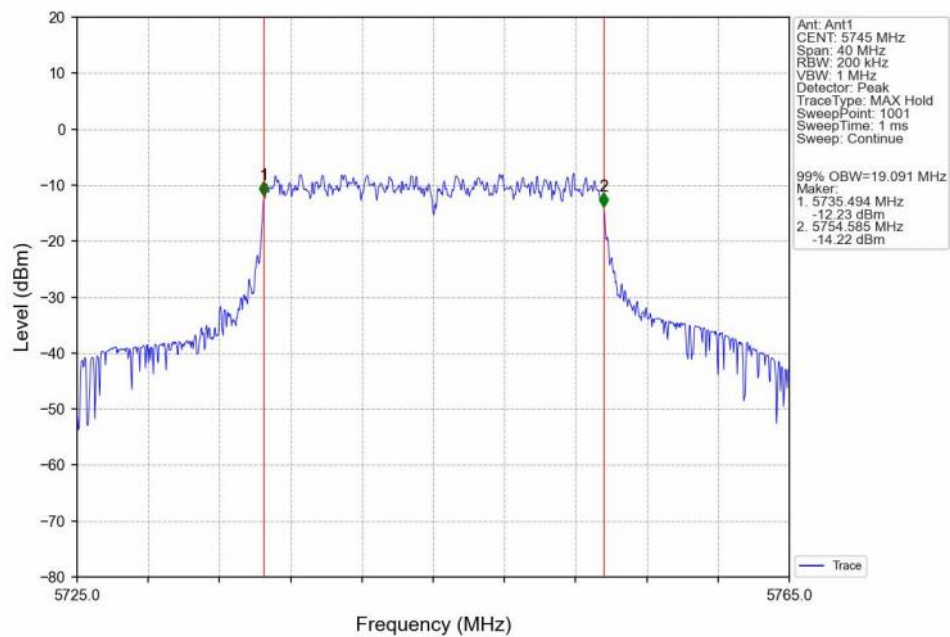
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



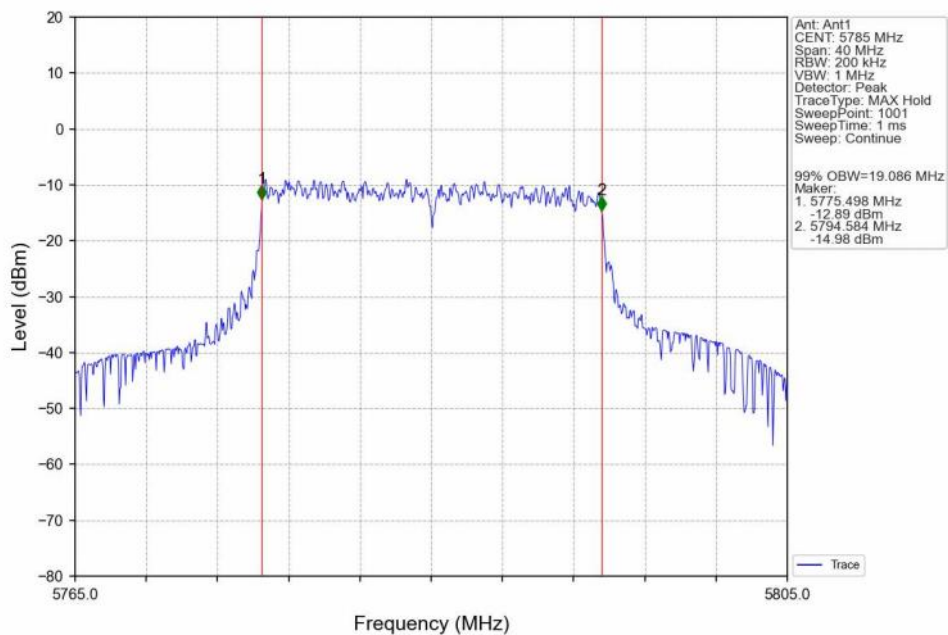
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



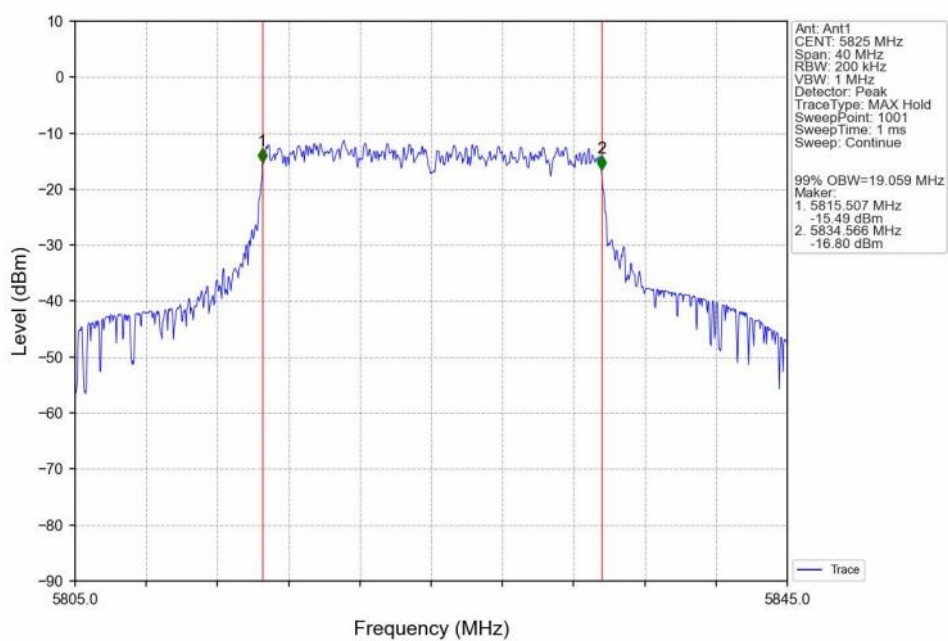
802.11ax(HEW20)_LCH_5745MHz_SU_ / Ant1_NTNV



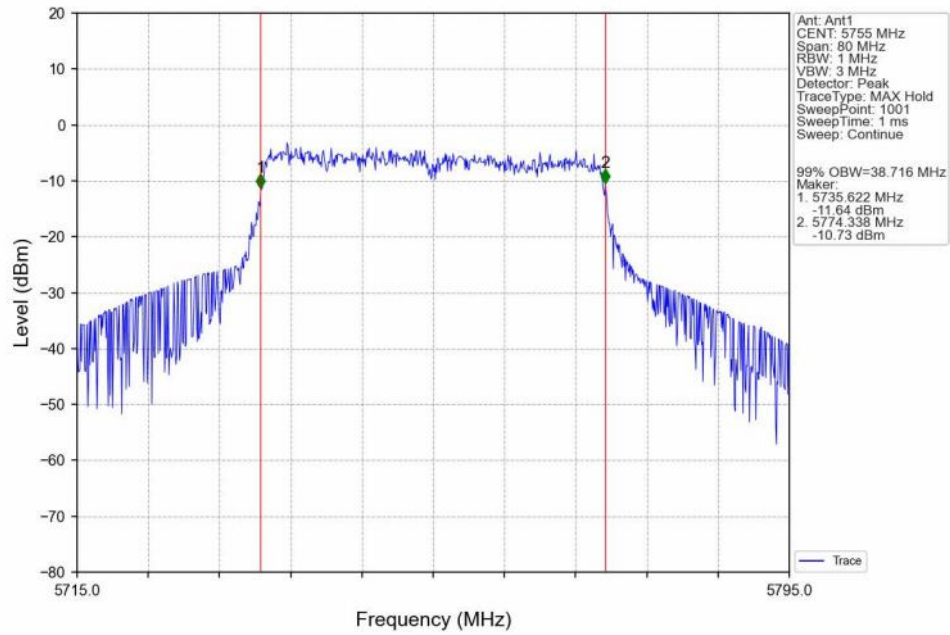
802.11ax(HEW20)_MCH_5785MHz_SU / Ant1_NTNV



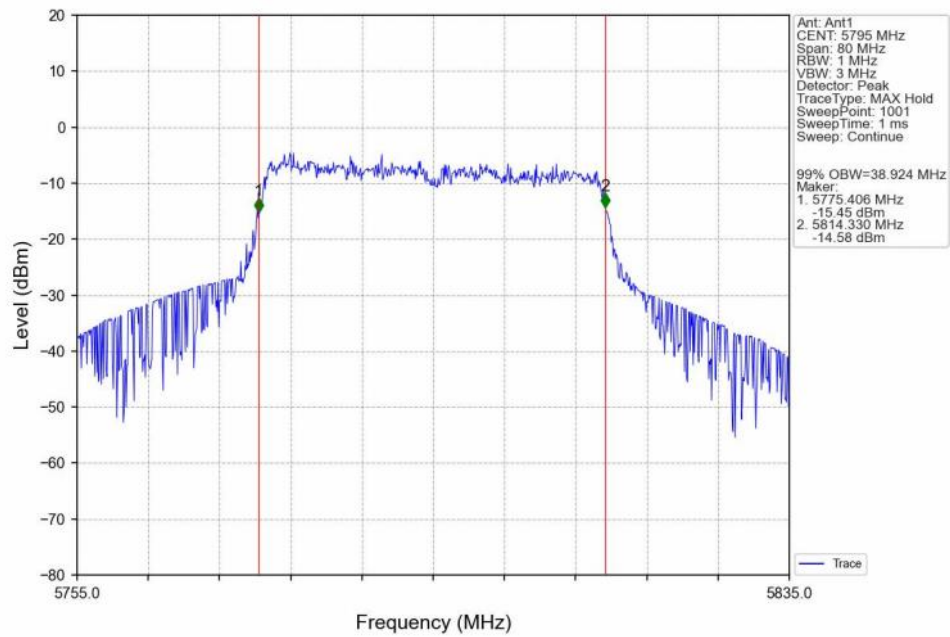
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV

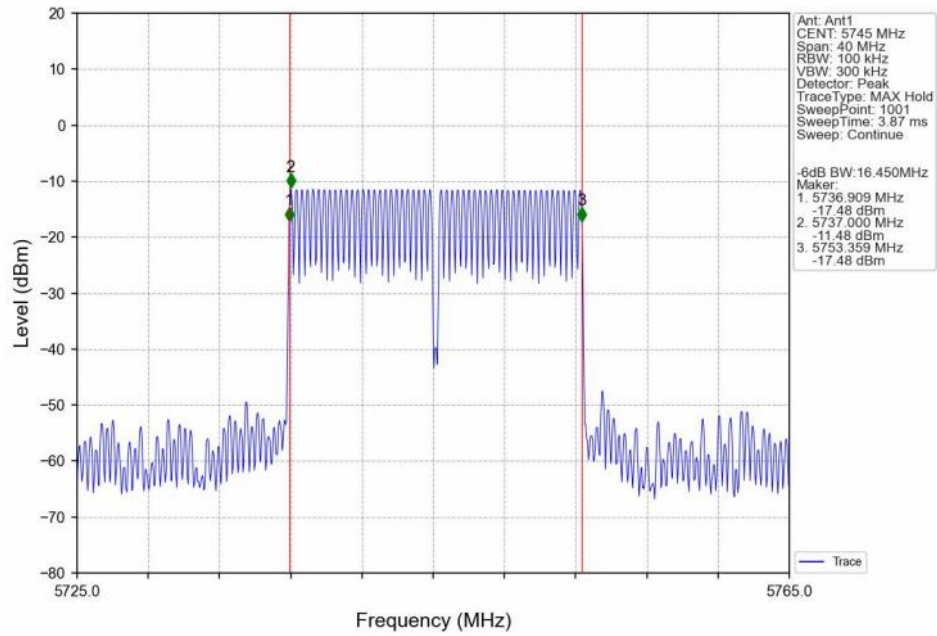


802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV

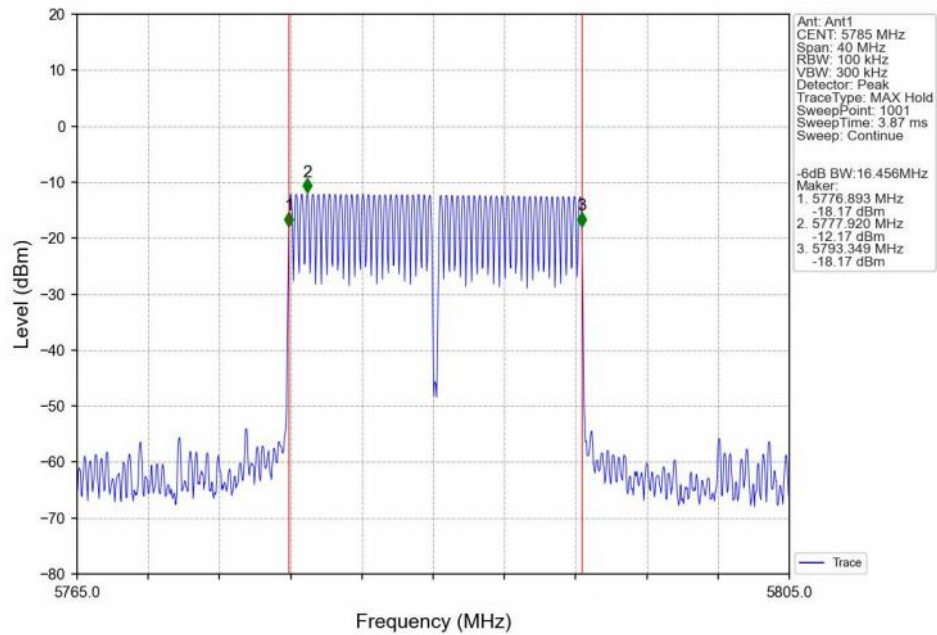


2.2.2 6dB BW

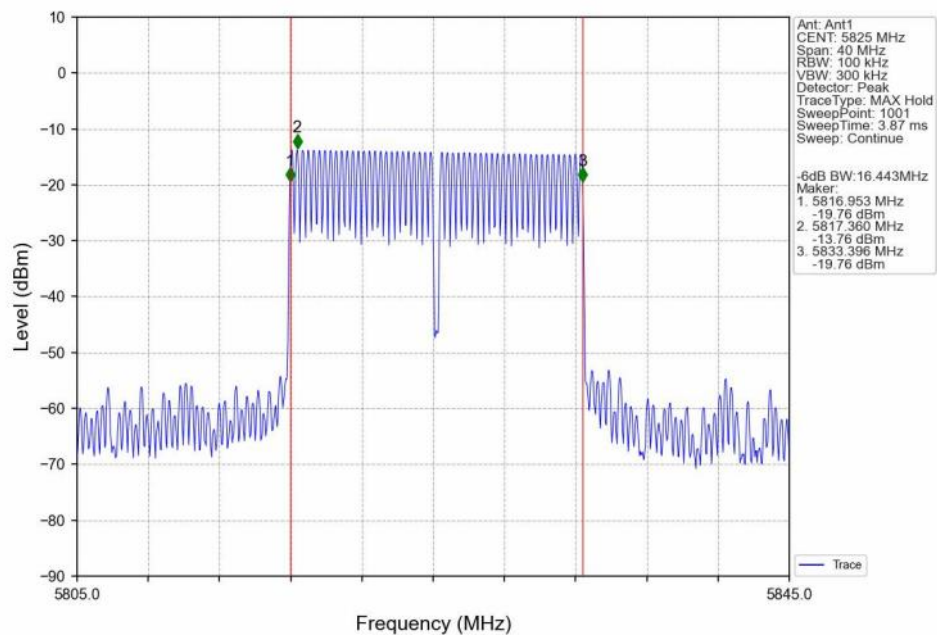
802.11a_LCH_5745MHz_Ant1_NTNV



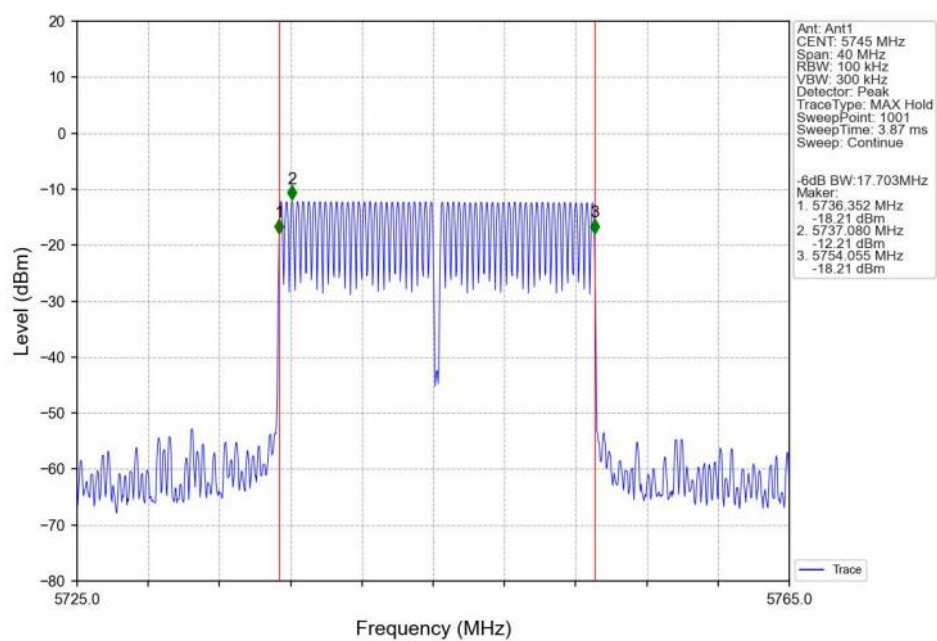
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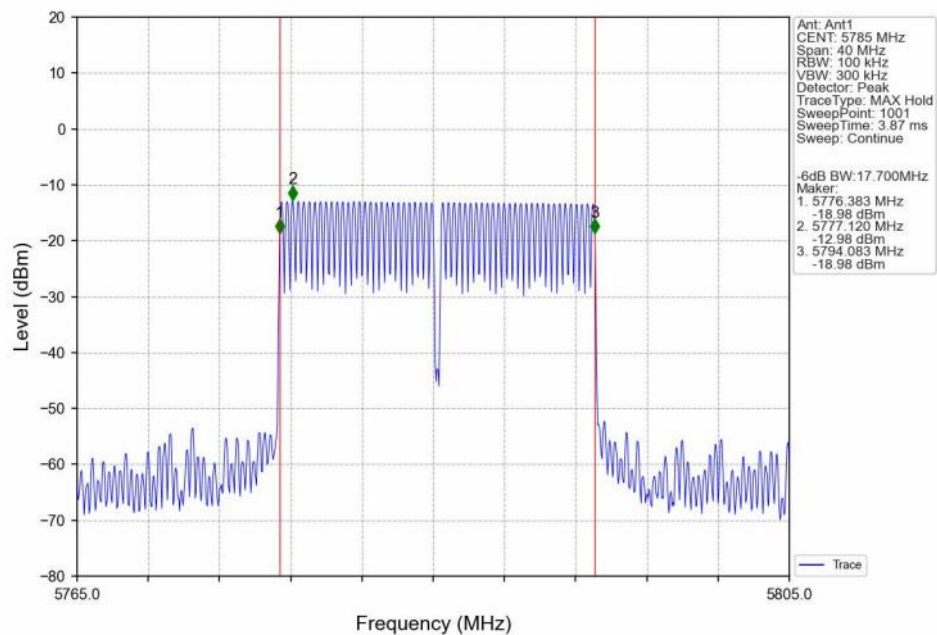
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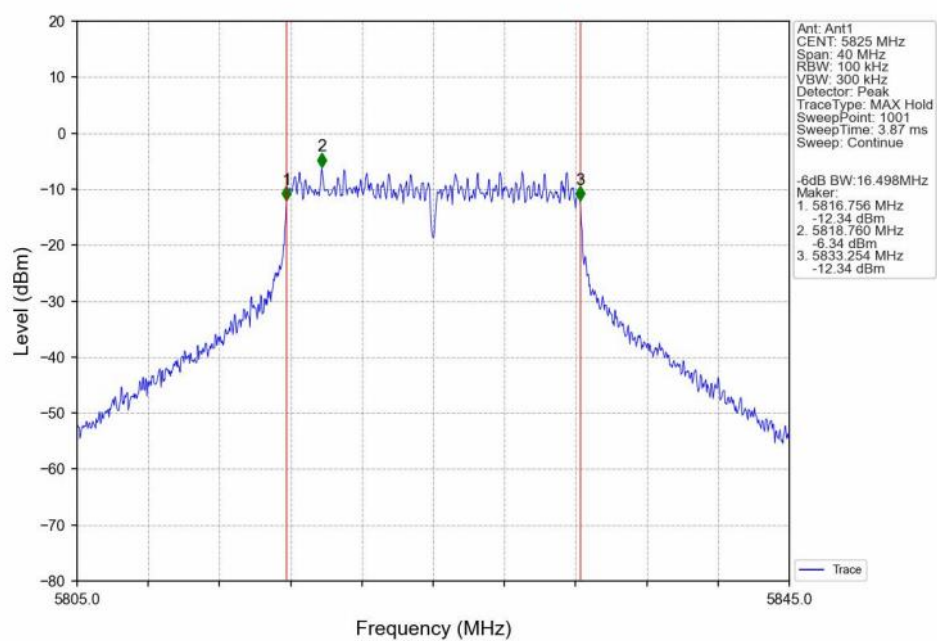
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



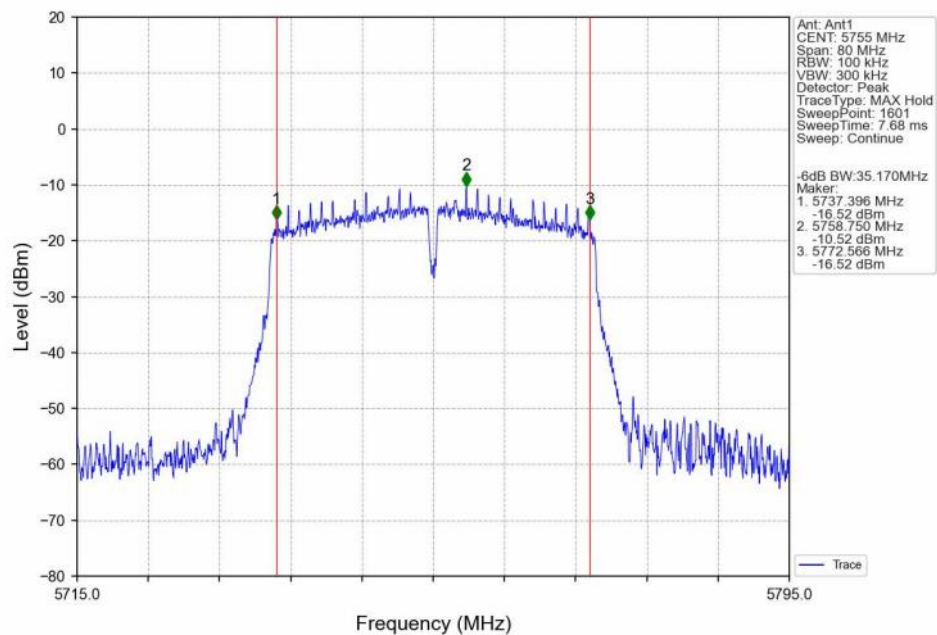
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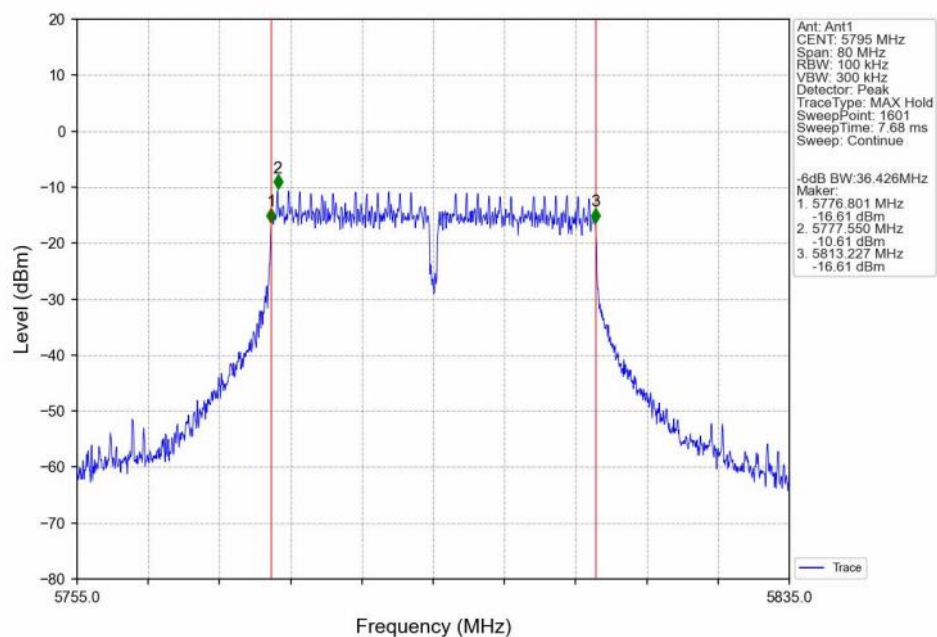
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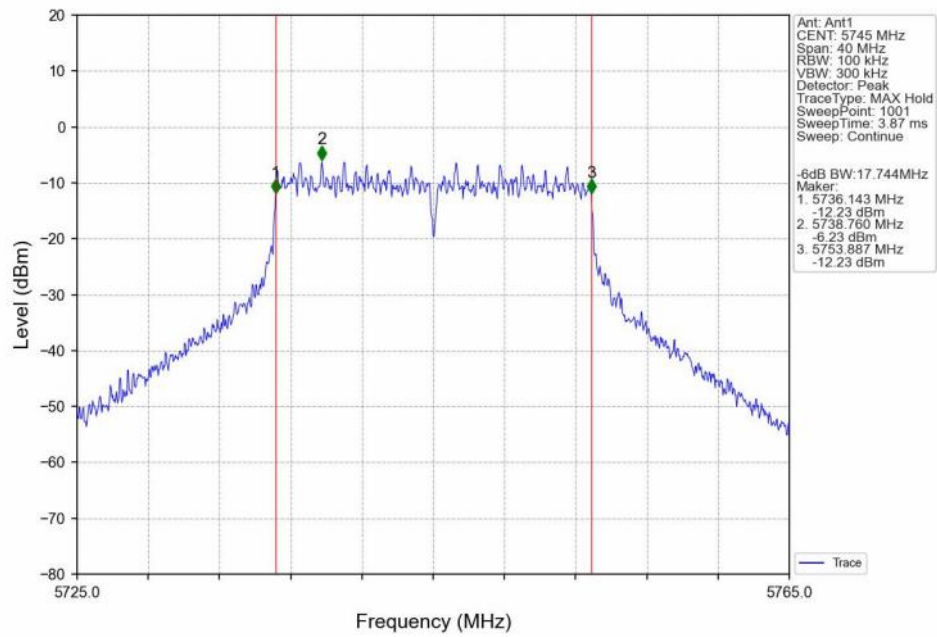
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



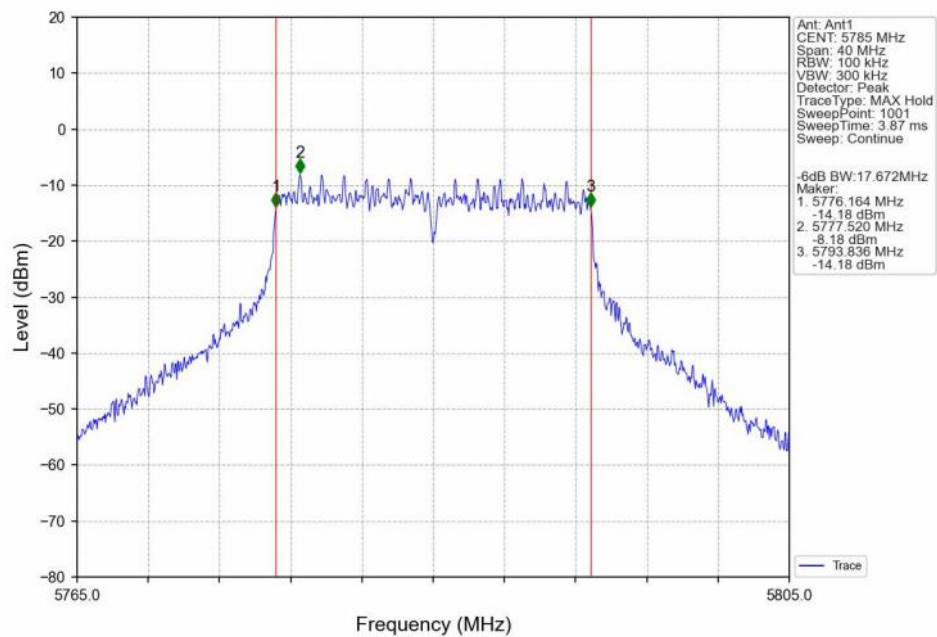
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



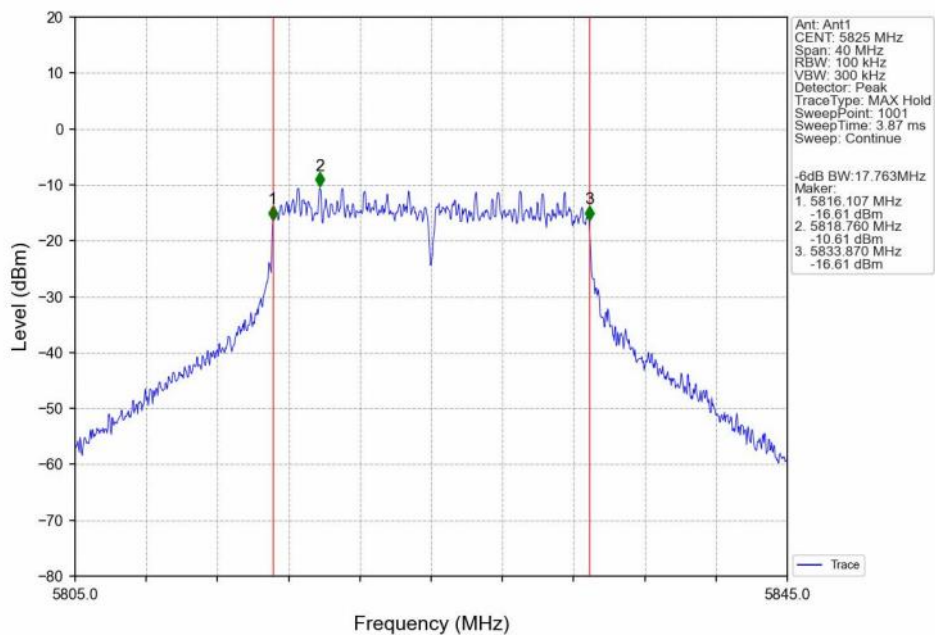
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



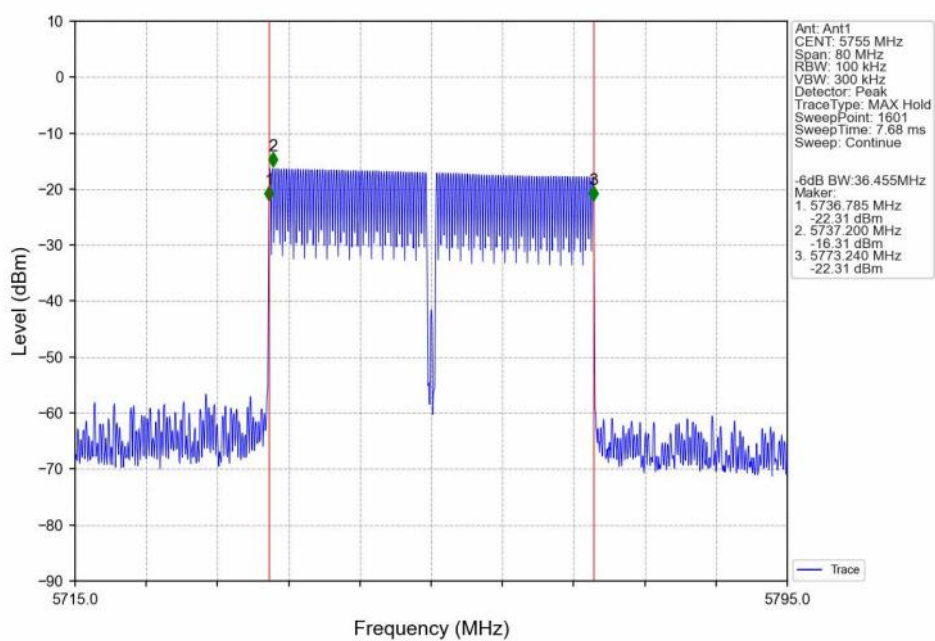
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



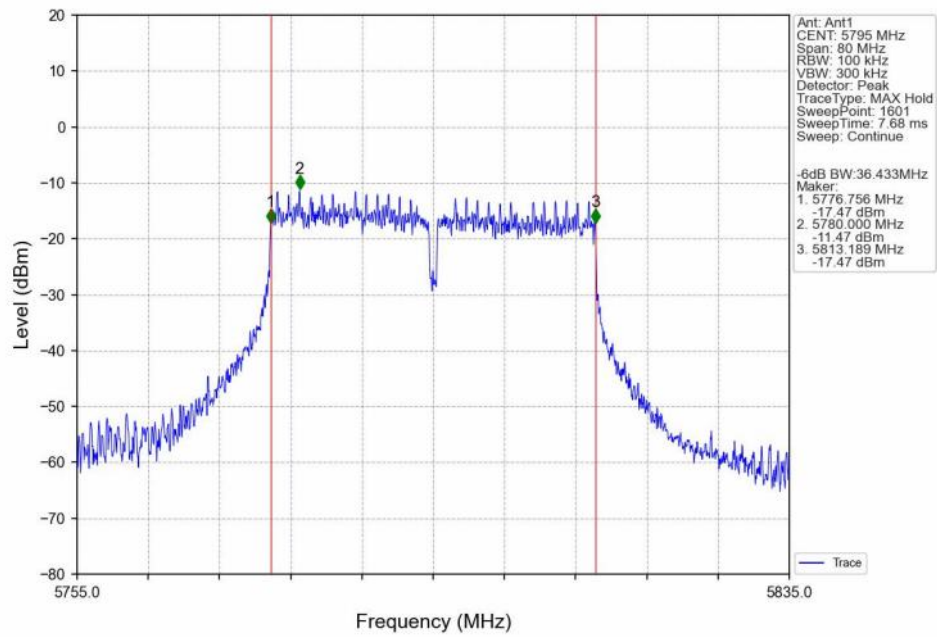
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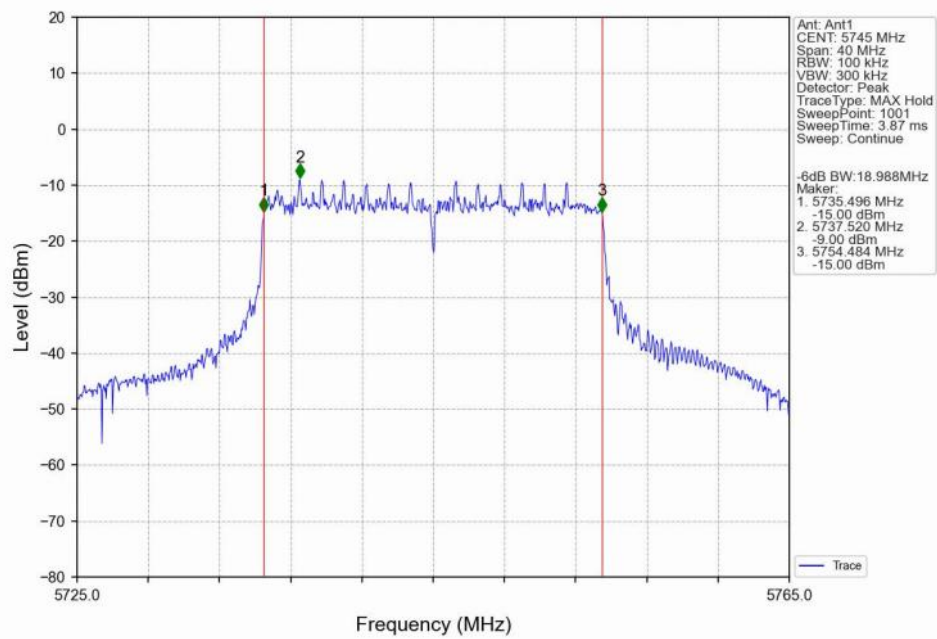
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



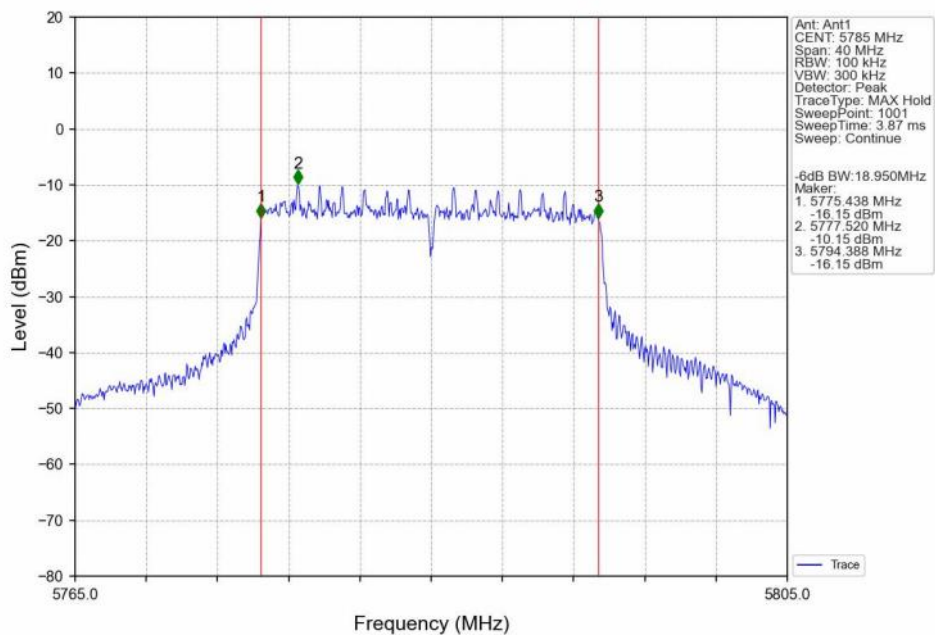
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



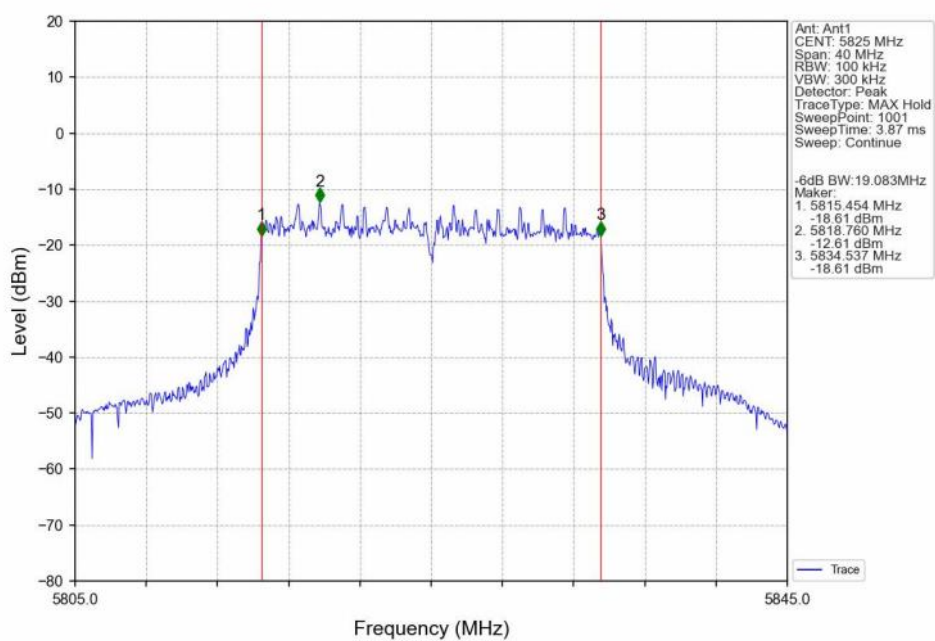
802.11ax(HEW20)_LCH_5745MHz_SU_ / Ant1_NTNV



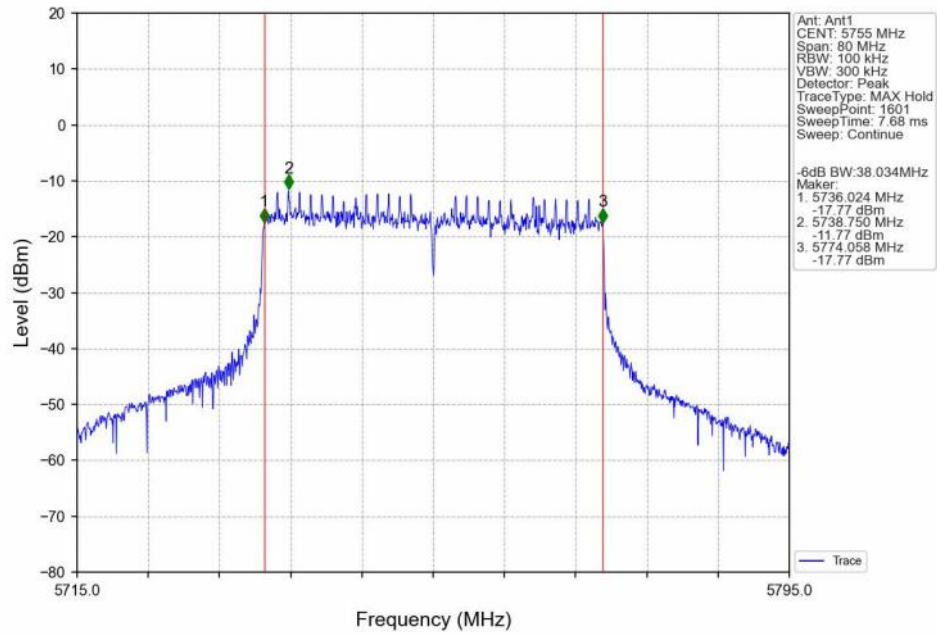
802.11ax(HEW20)_MCH_5785MHz_SU / Ant1_NTNV



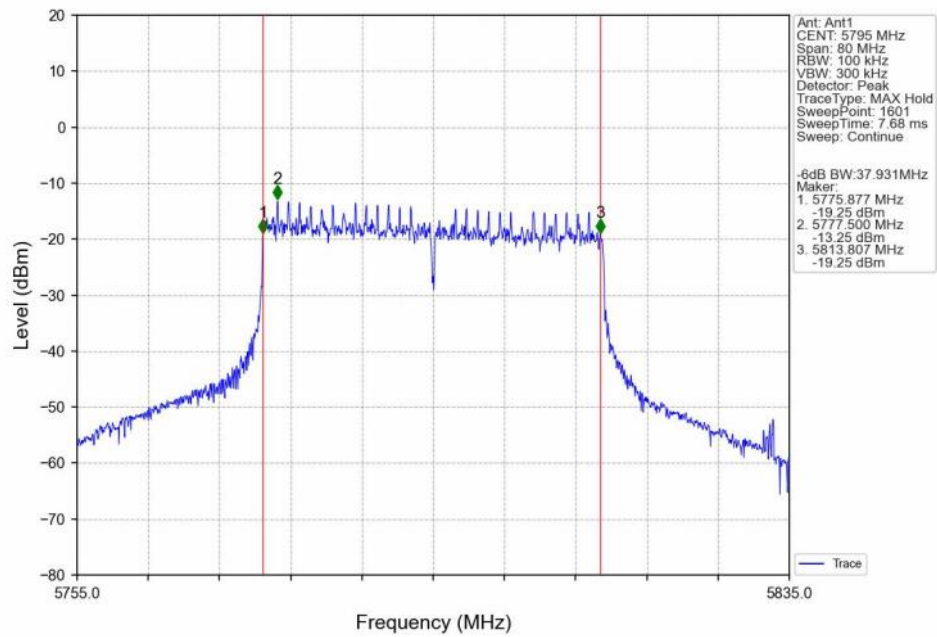
802.11ax(HEW20)_HCH_5825MHz_SU / Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



4. Power Spectral density

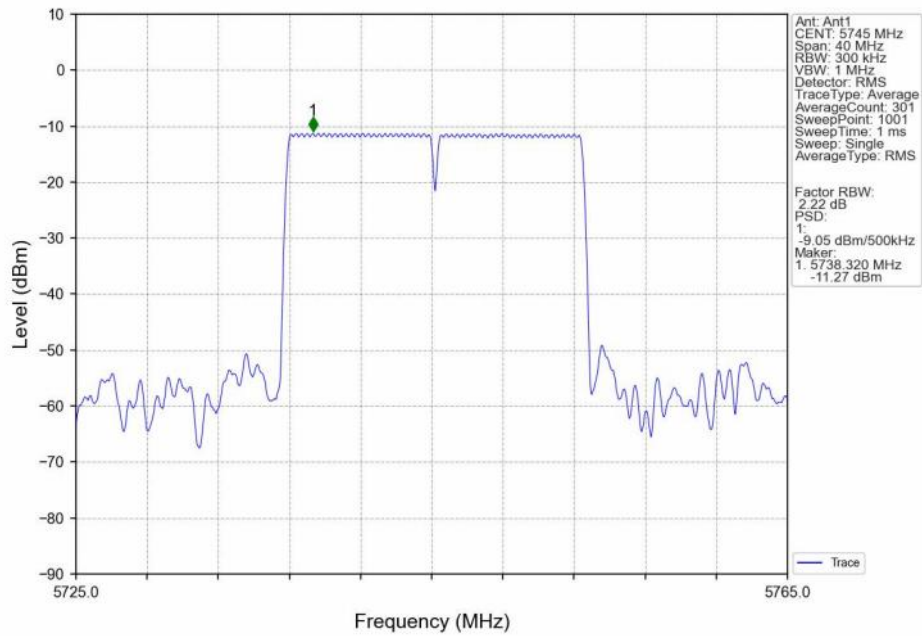
4.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-9.05	<=30	Pass
		5785	/	/	-9.71	<=30	Pass
		5825	/	/	-11.21	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-9.73	<=30	Pass
		5785	/	/	-10.31	<=30	Pass
		5825	/	/	-8.63	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-13.54	<=30	Pass
		5795	/	/	-12.38	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-8.42	<=30	Pass
		5785	/	/	-10.18	<=30	Pass
		5825	/	/	-12.68	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-13.83	<=30	Pass
		5795	/	/	-13.16	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	-11.18	<=30	Pass
		5785	SU	/	-12.51	<=30	Pass
		5825	SU	/	-14.75	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	-13.64	<=30	Pass
		5795	SU	/	-15.30	<=30	Pass
Note1: Antenna Gain: Ant1: 3.40dBi;							

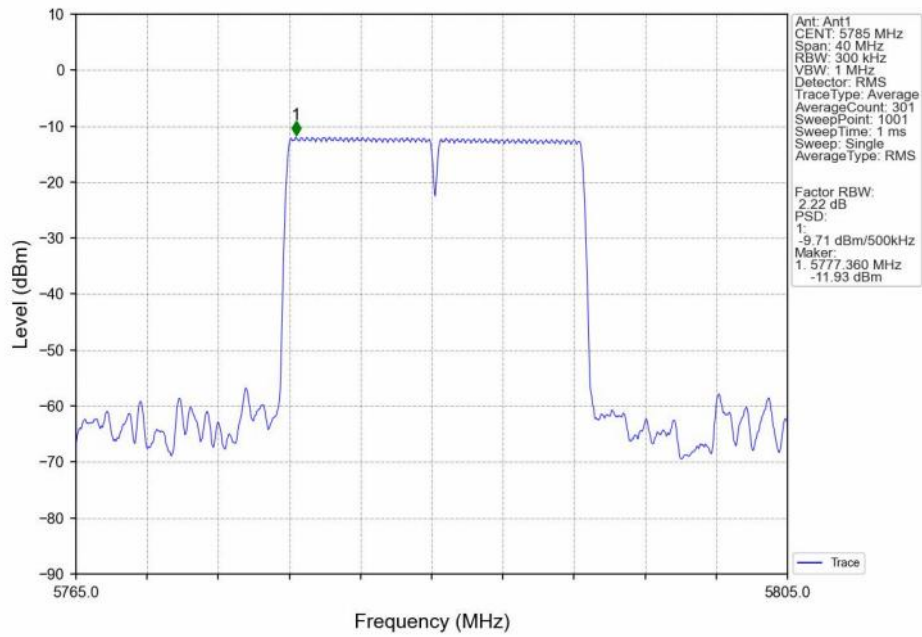
4.2 Test Graph

4.2.1 PSD-Band3

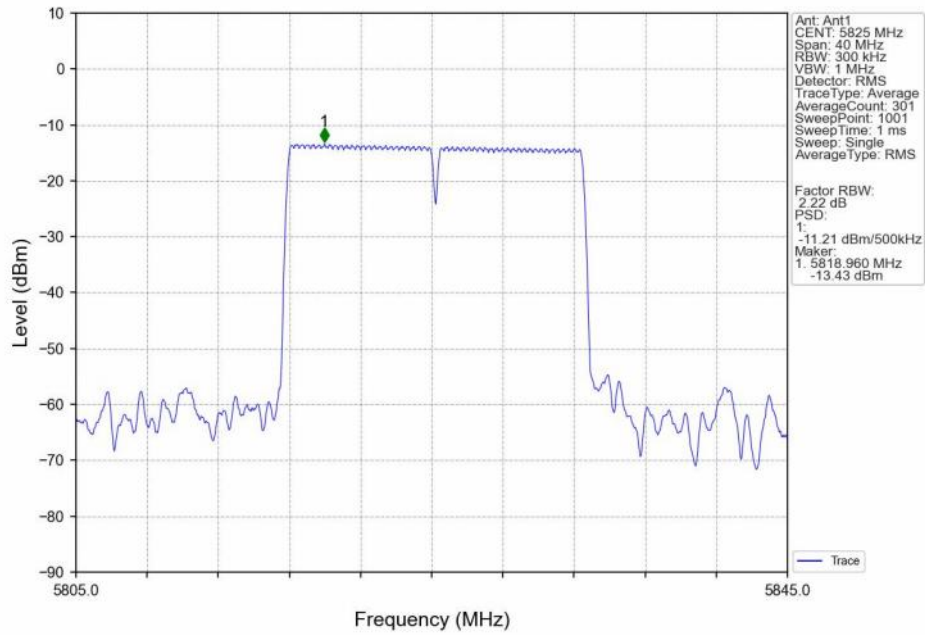
802.11a_LCH_5745MHz_Ant1_NTNV



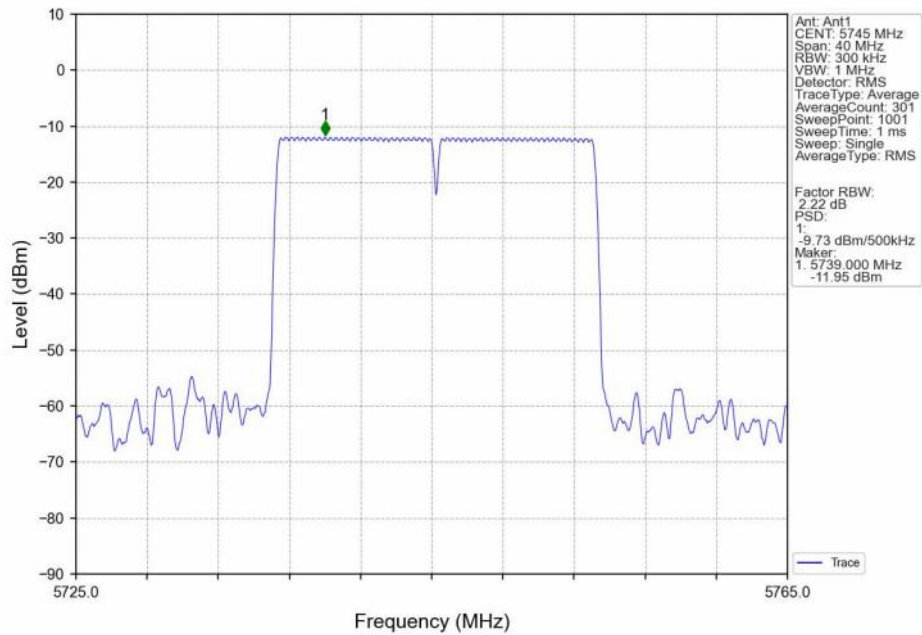
802.11a_MCH_5785MHz_Ant1_NTNV



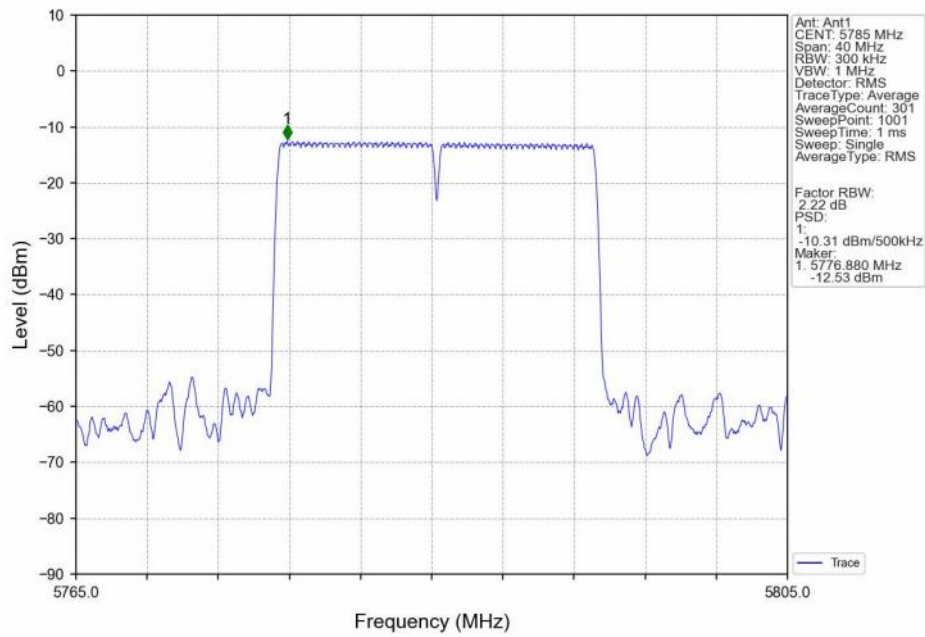
802.11a_HCH_5825MHz_Ant1_NTNV



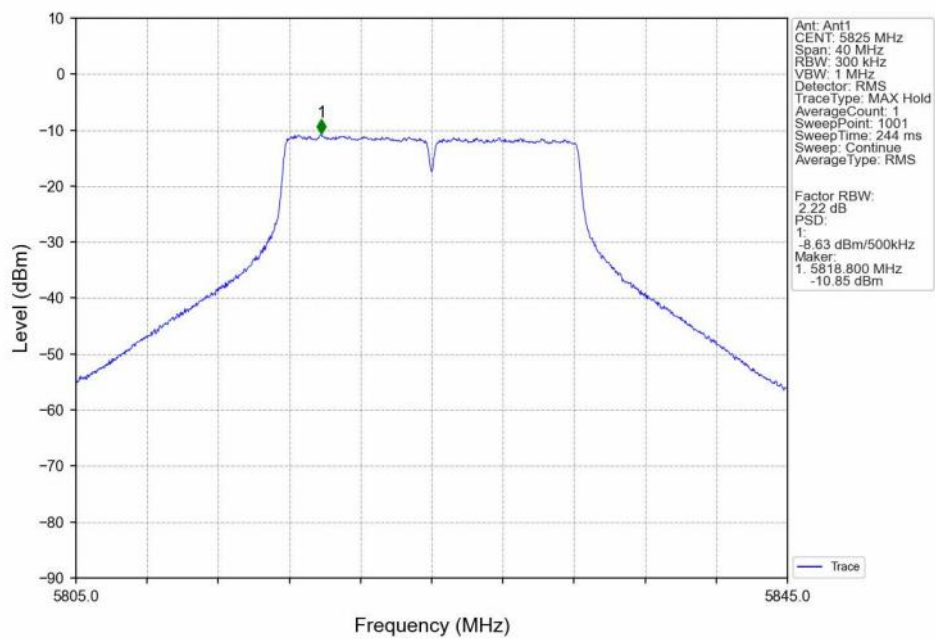
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



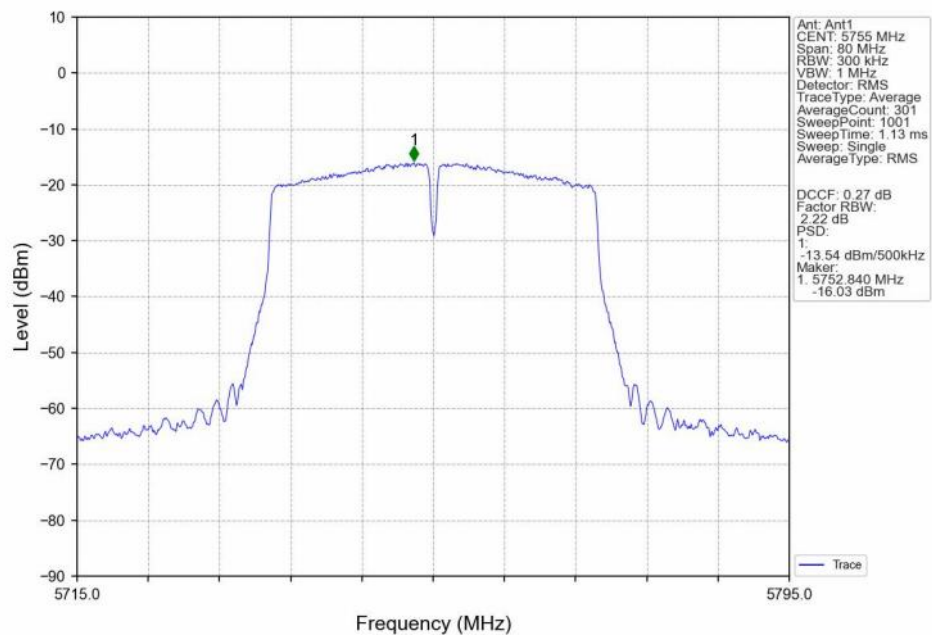
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



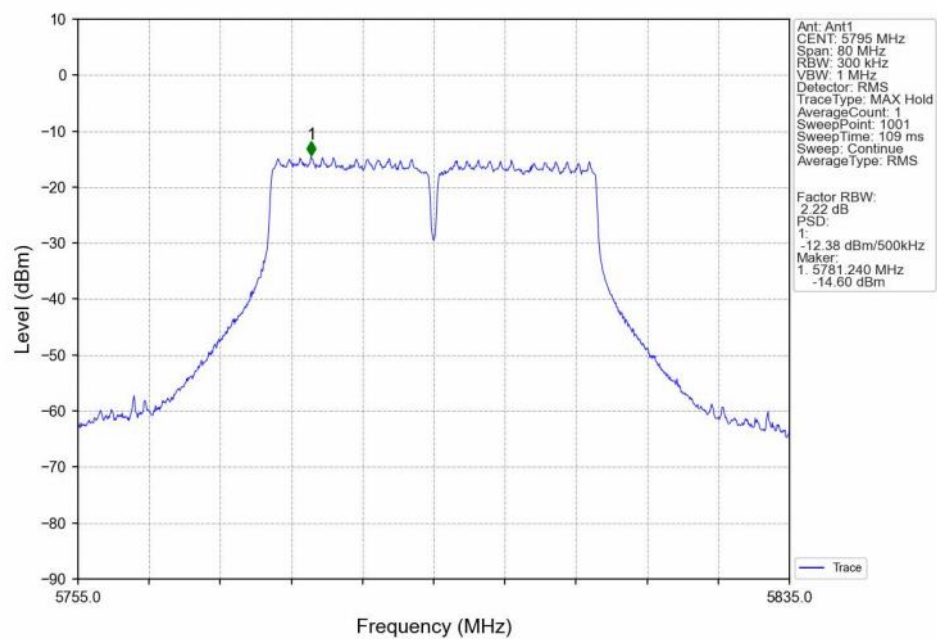
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



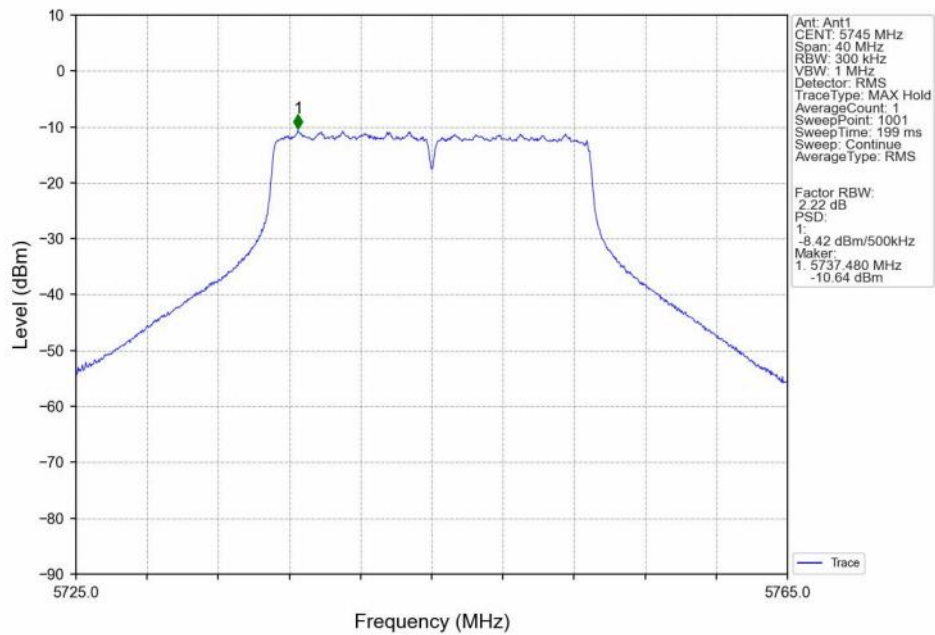
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



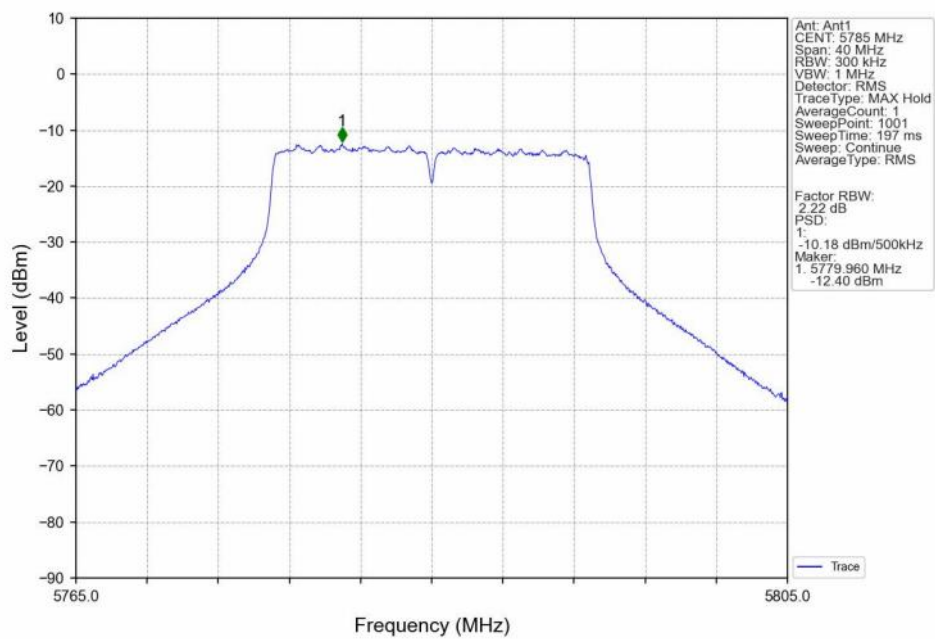
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



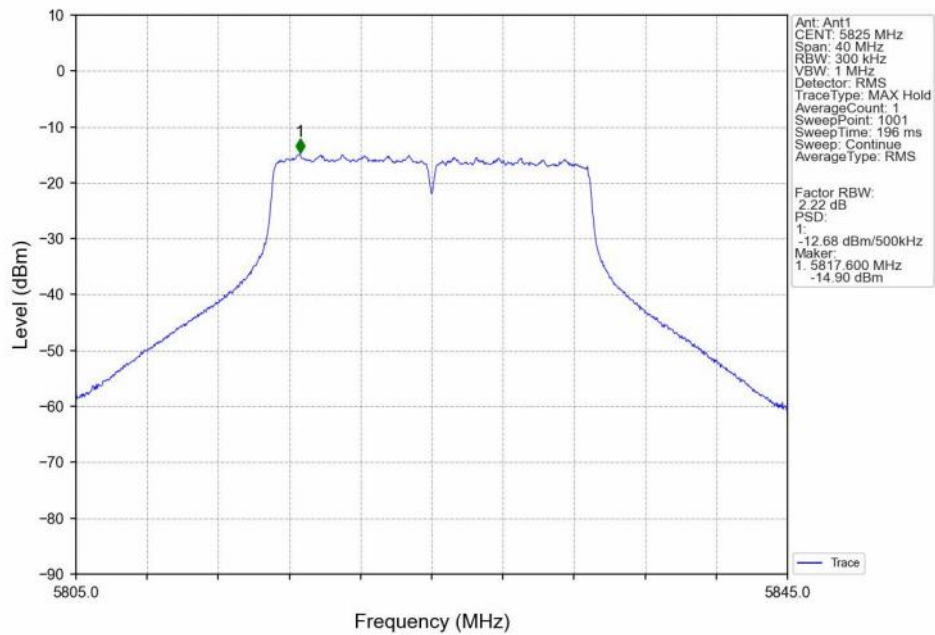
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



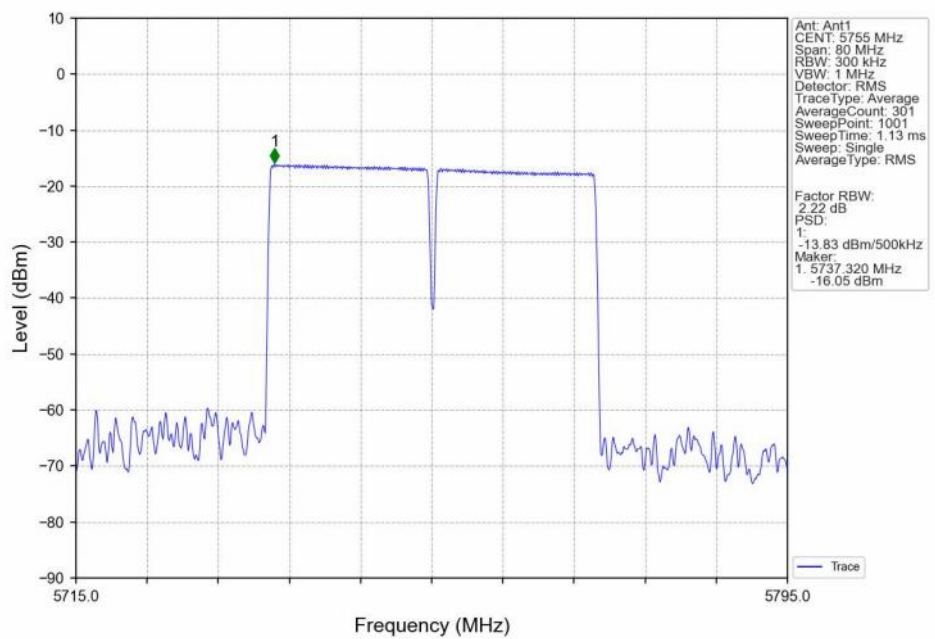
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



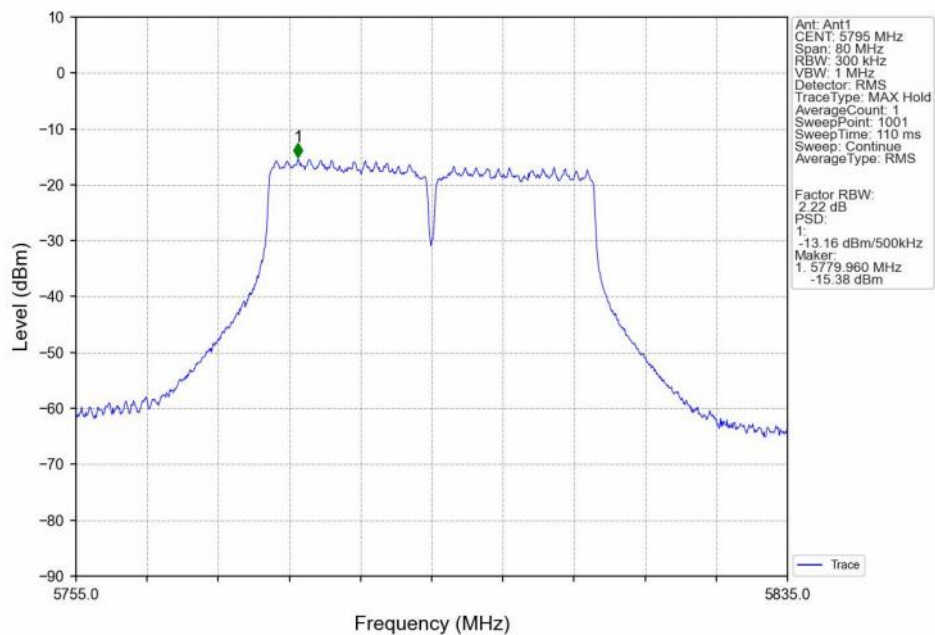
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



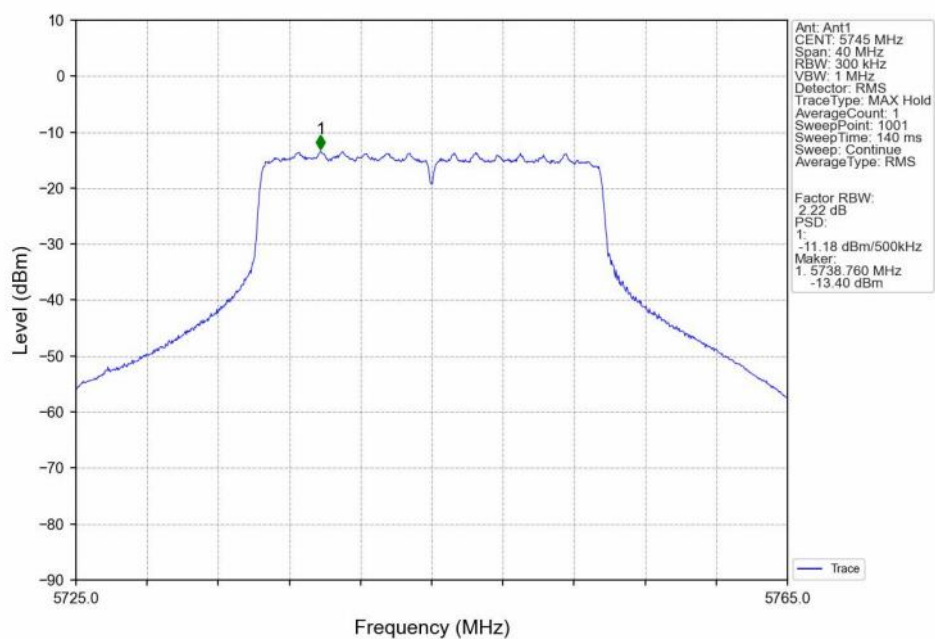
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



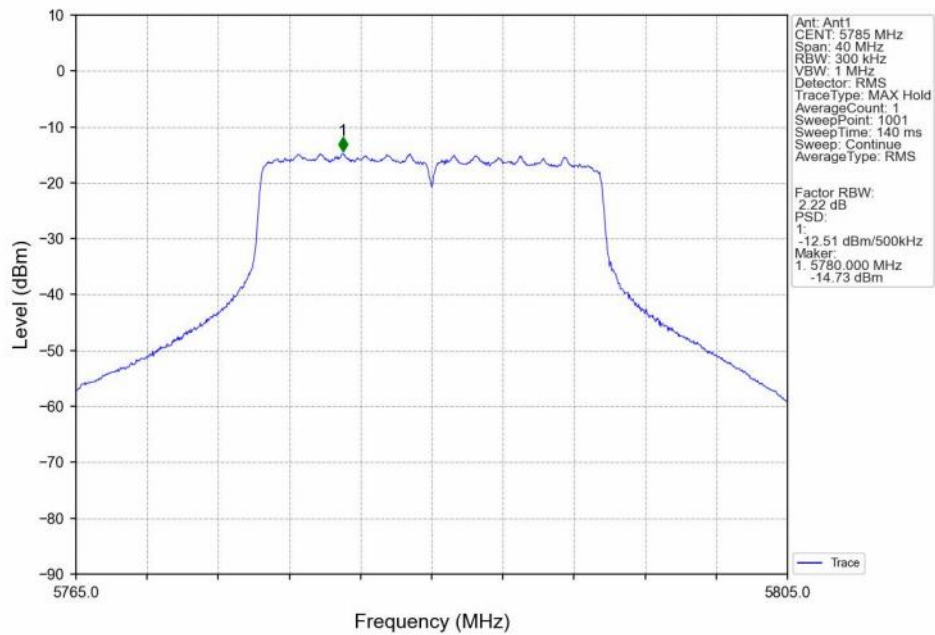
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



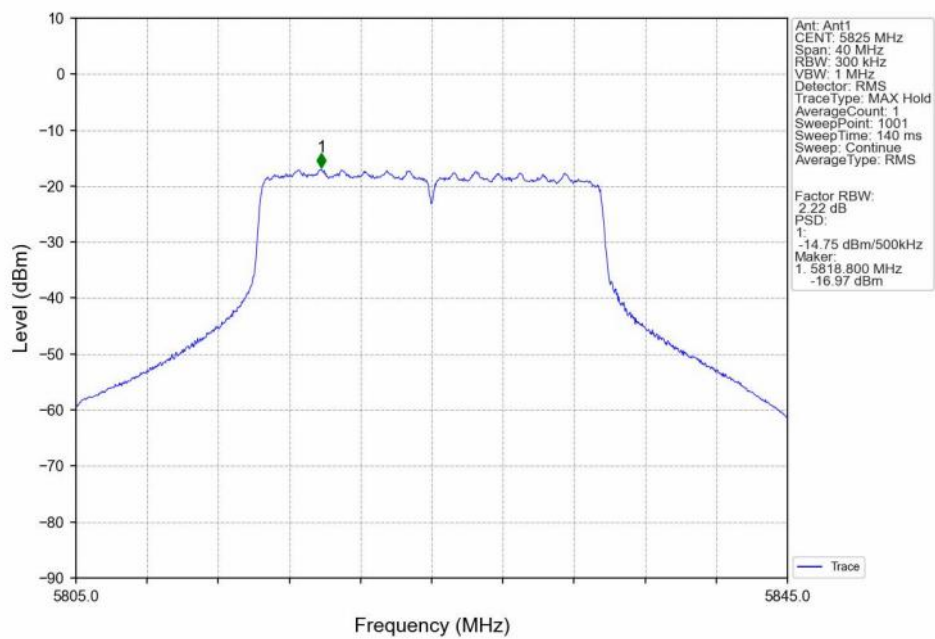
802.11ax(HEW20)_LCH_5745MHz_SU_ / _Ant1_NTNV



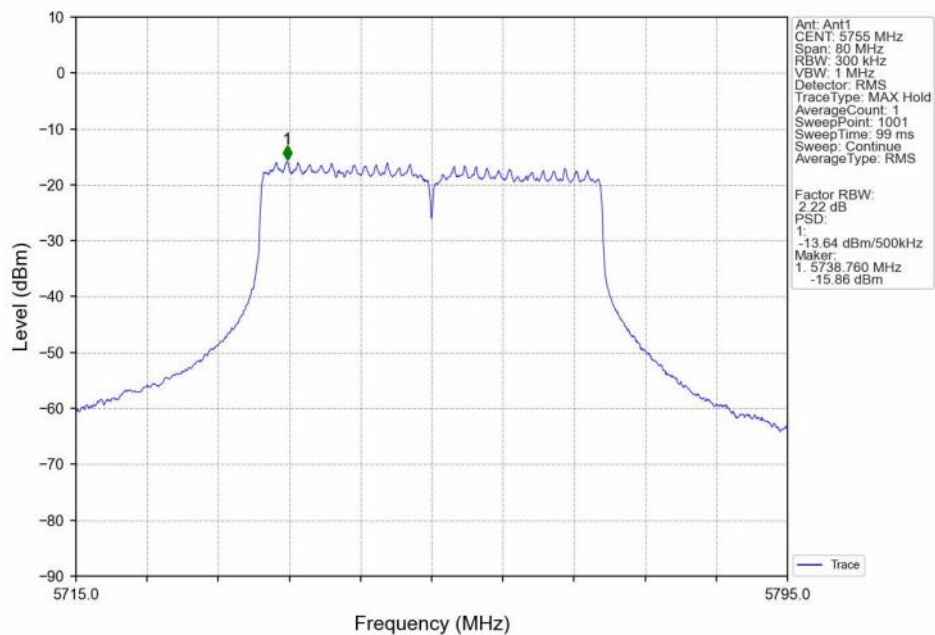
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1_NTNV



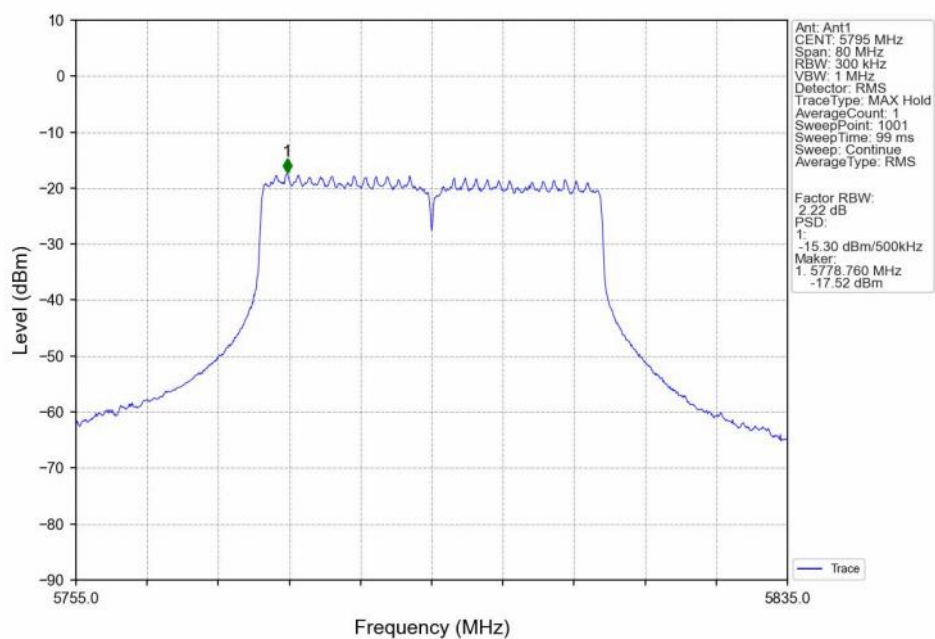
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



5.Unwanted Emissions In Restricted Frequency Bands and Spurious Emission

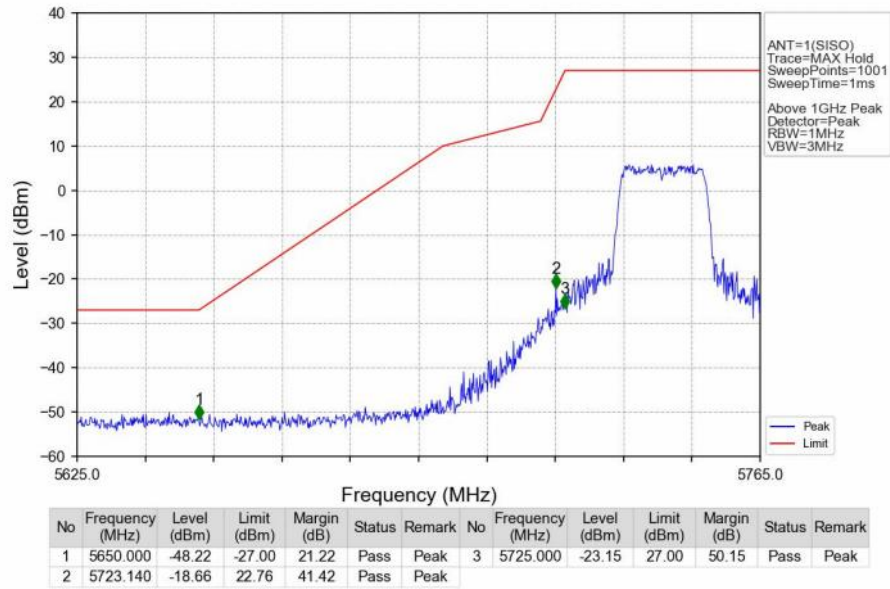
5.1 BandEdge

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
802.11ax (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

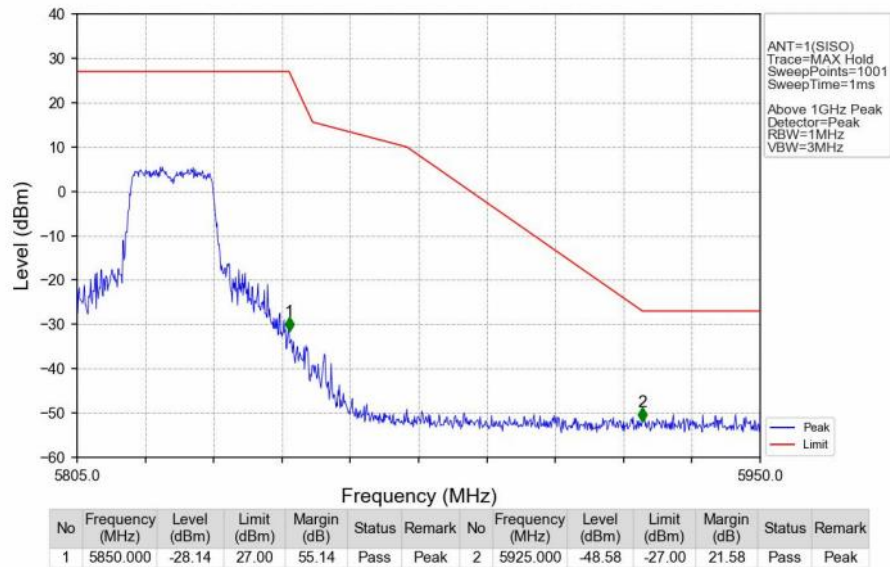
5.2 Test Graph

5.2.1 BandEdge

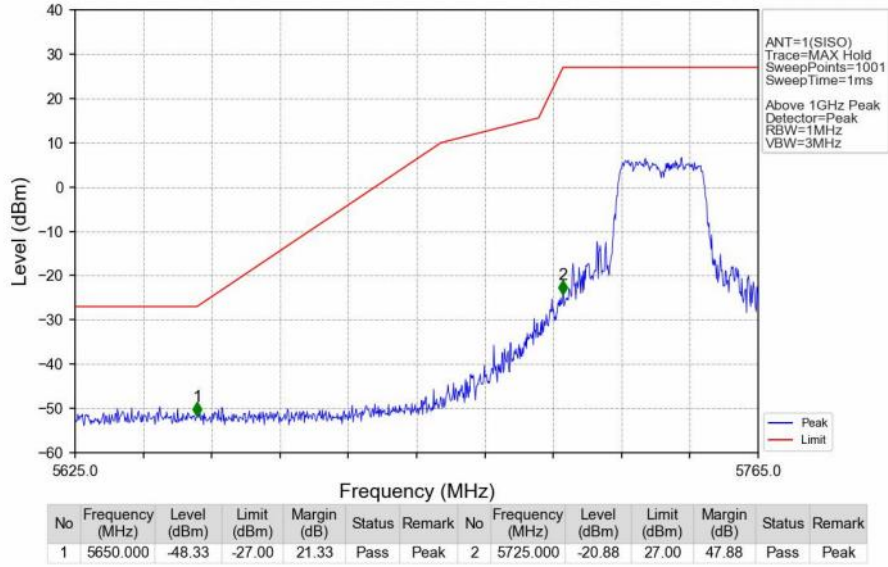
802.11a_LCH_5745MHz_Ant1_NTNV



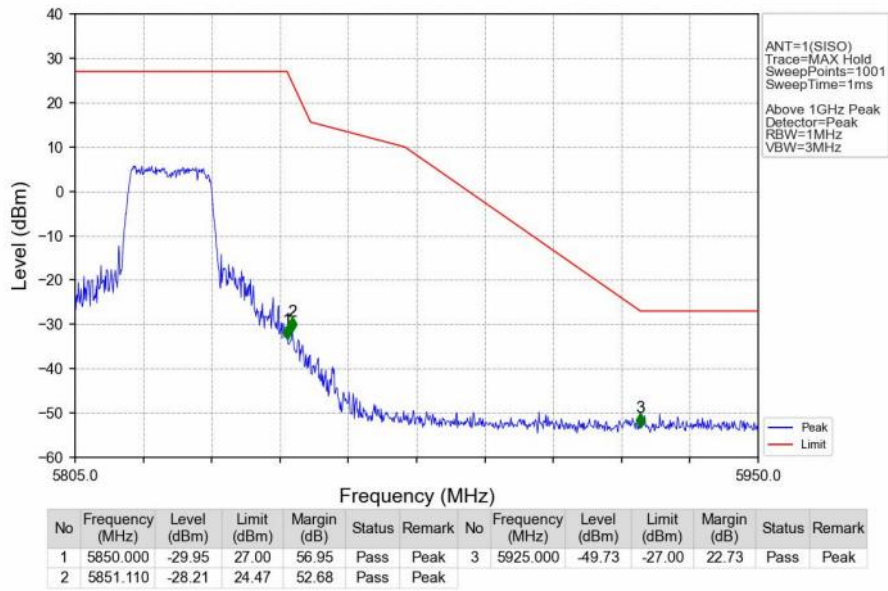
802.11a_HCH_5825MHz_Ant1_NTNV



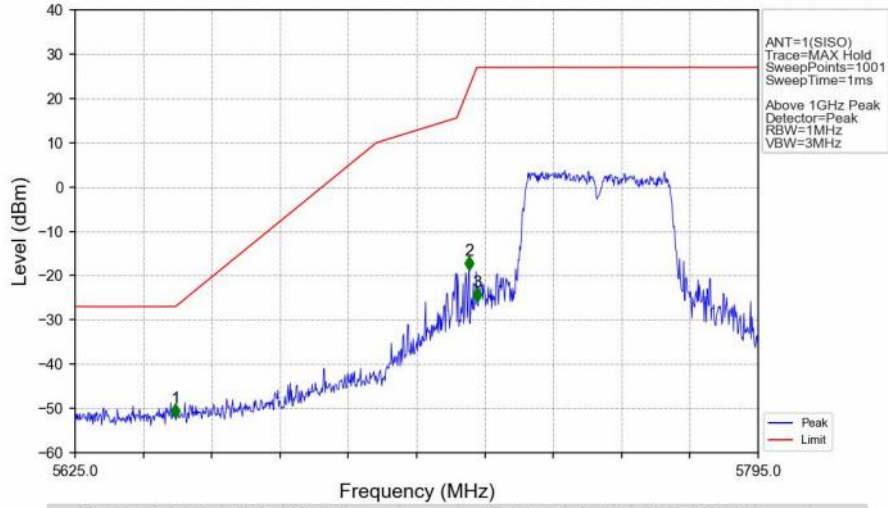
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

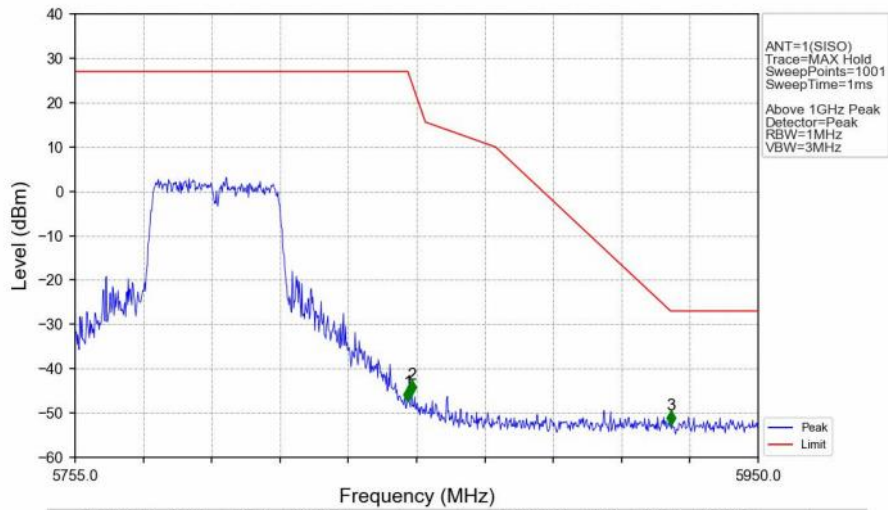


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



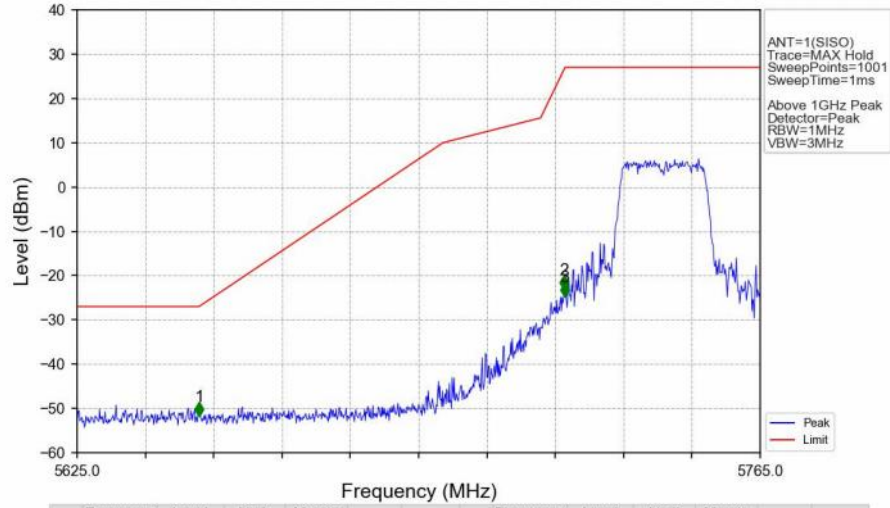
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5650.000	-48.78	-27.00	21.78	Pass	Peak	3	5725.000	-22.55	27.00	49.55	Pass	Peak
2	5723.090	-15.30	22.65	37.95	Pass	Peak							

802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

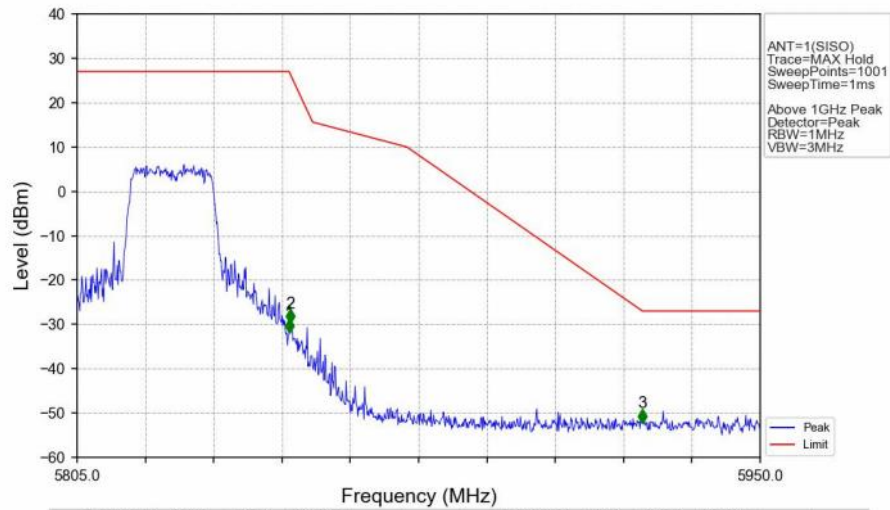


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5850.000	-44.03	27.00	71.03	Pass	Peak	3	5925.000	-49.25	-27.00	22.25	Pass	Peak
2	5851.135	-42.39	24.41	66.80	Pass	Peak							

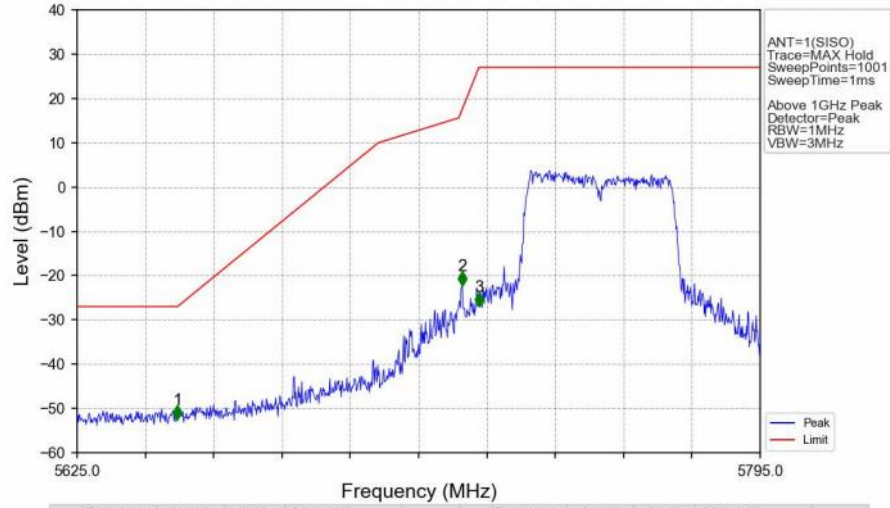
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



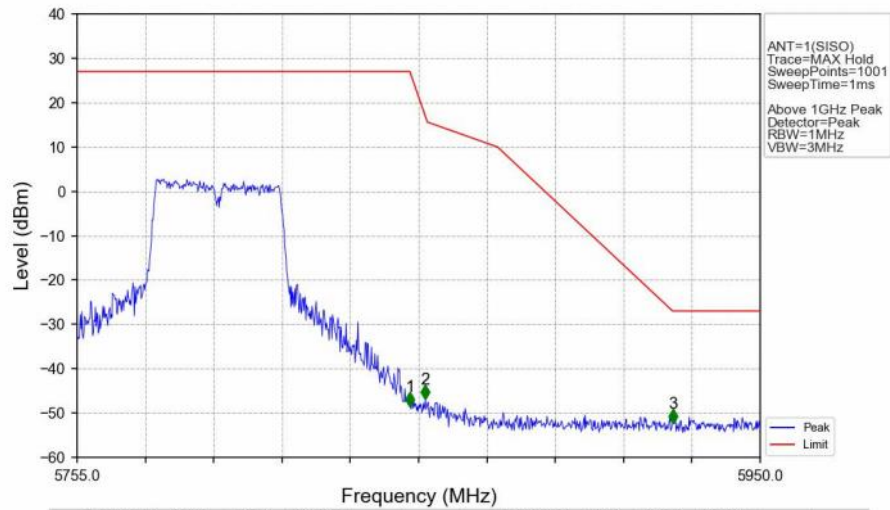
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



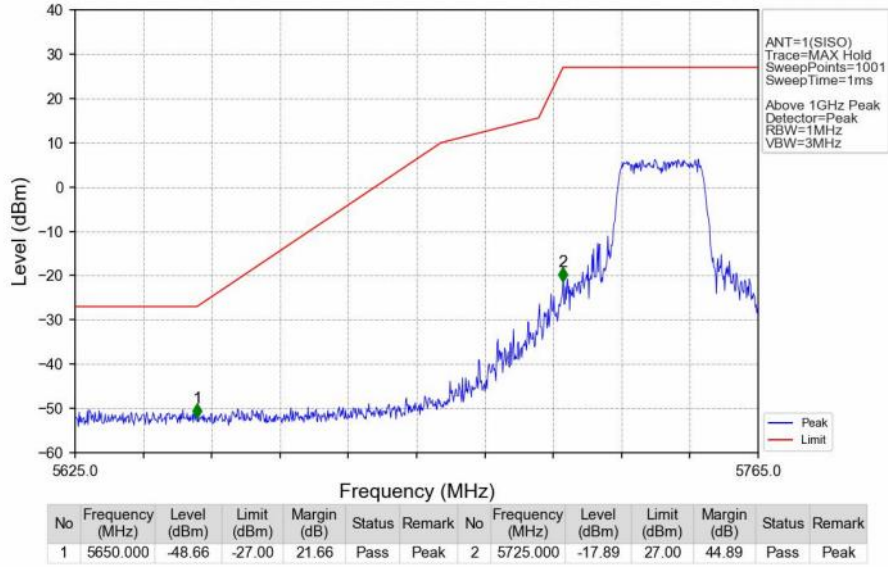
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



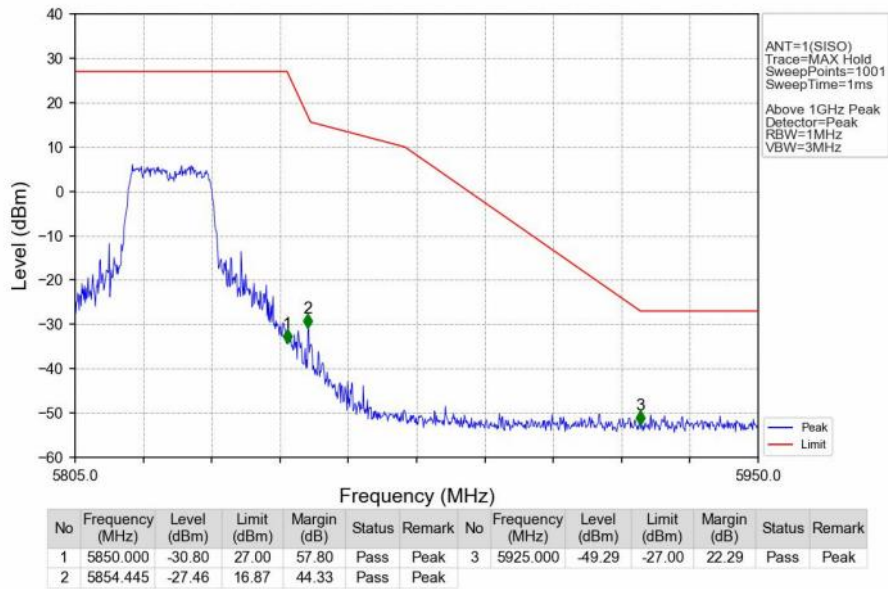
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



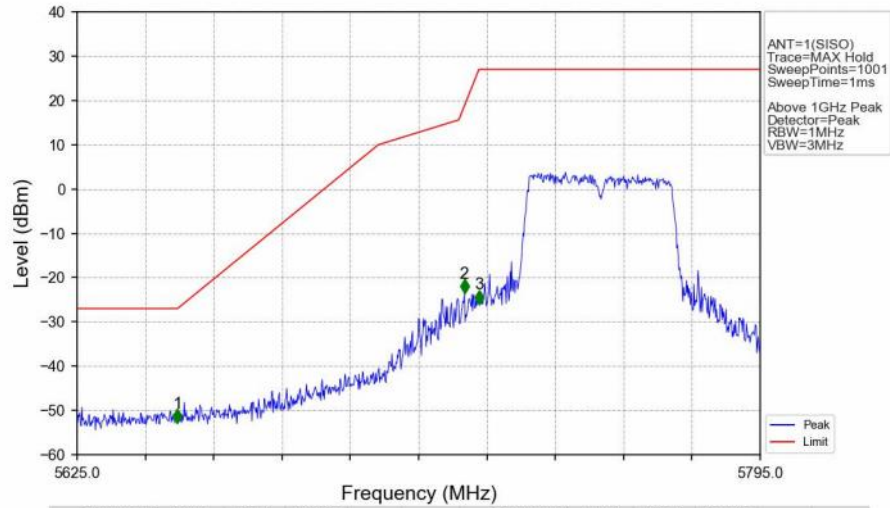
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



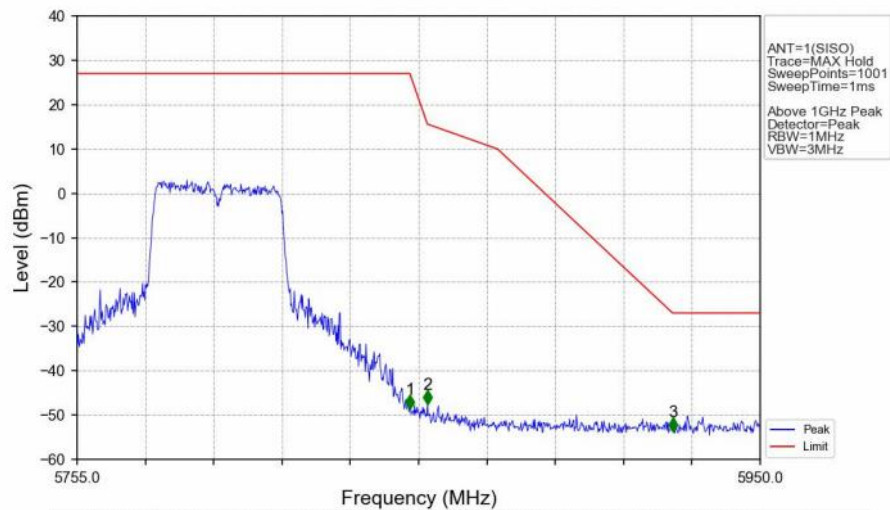
802.11ax(HEW20)_HCH_5825MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV

**-THE END-**