

1. Duty Cycle

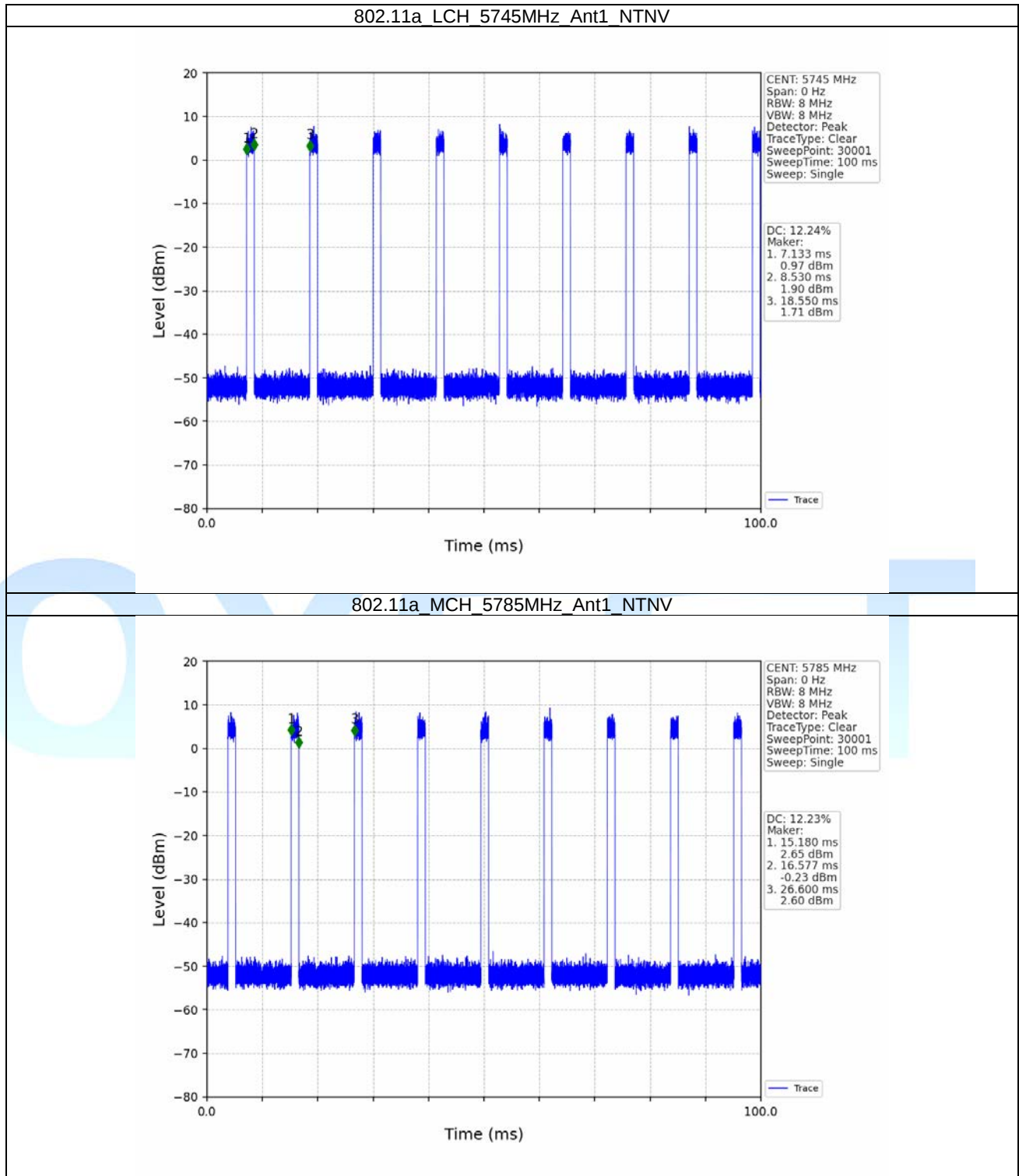
1.1 Test Result

1.1.1 Ant1

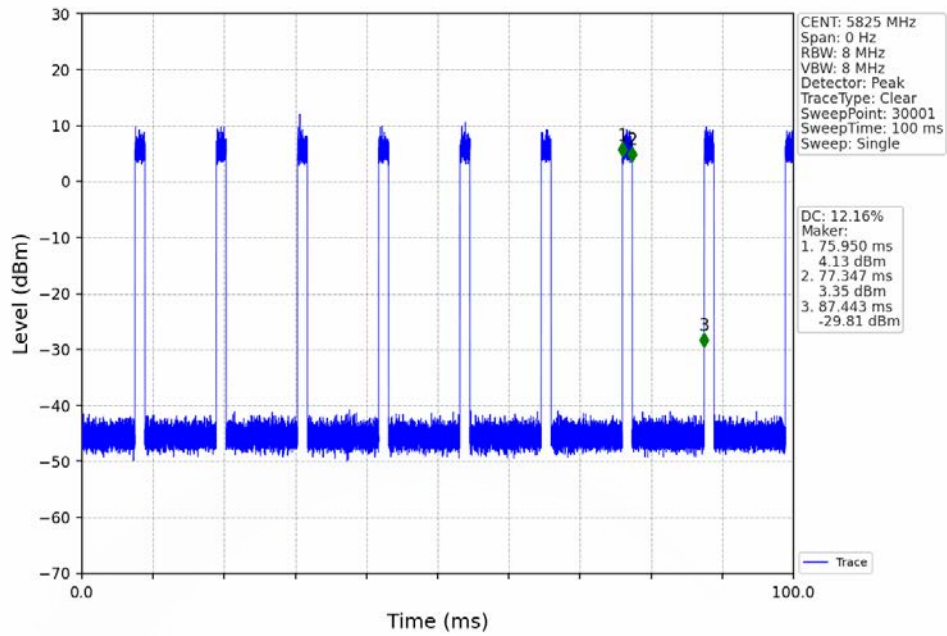
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	/	/	1.397	11.417	12.24	9.12	0.03
		5785	/	/	1.397	11.420	12.23	9.12	0.03
		5825	/	/	1.397	11.493	12.16	9.15	0.11
802.11n (HT20)	SISO	5745	/	/	5.090	15.113	33.68	4.73	0.01
		5785	/	/	5.090	15.113	33.68	4.73	0.04
		5825	/	/	5.090	15.110	33.69	4.73	0.01
802.11n (HT40)	SISO	5755	/	/	4.897	14.920	32.82	4.84	0.02
		5795	/	/	4.897	14.920	32.82	4.84	0.02
802.11ac (VHT20)	SISO	5745	/	/	5.097	15.117	33.72	4.72	0.02
		5785	/	/	5.097	15.117	33.72	4.72	0.02
		5825	/	/	5.100	15.200	33.55	4.74	0.19
802.11ac (VHT40)	SISO	5755	/	/	4.904	14.927	32.85	4.83	0.02
		5795	/	/	4.903	14.927	32.85	4.84	0.02
802.11ax (HEW20)	SISO	5745	RU242	Left	3.877	13.897	27.90	5.54	0.03
		5785	RU242	Left	3.876	13.896	27.89	5.55	0.02
		5825	RU242	Left	3.876	13.896	27.89	5.55	0.02
802.11ax (HEW40)	SISO	5755	RU484	Left	3.874	13.897	27.88	5.55	0.02
		5795	RU484	Left	3.874	13.894	27.88	5.55	0.02

1.2 Test Graph

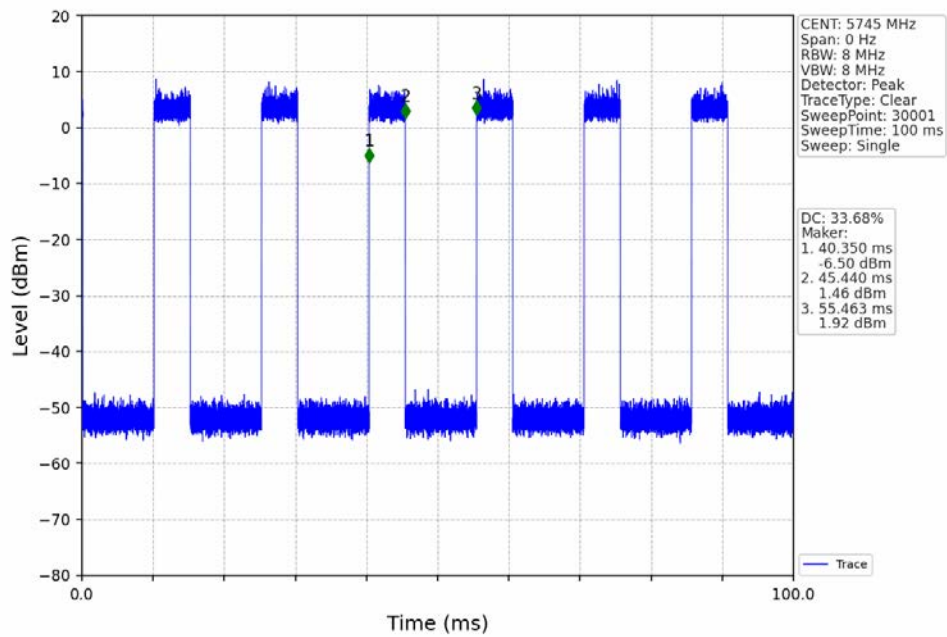
1.2.1 Ant1



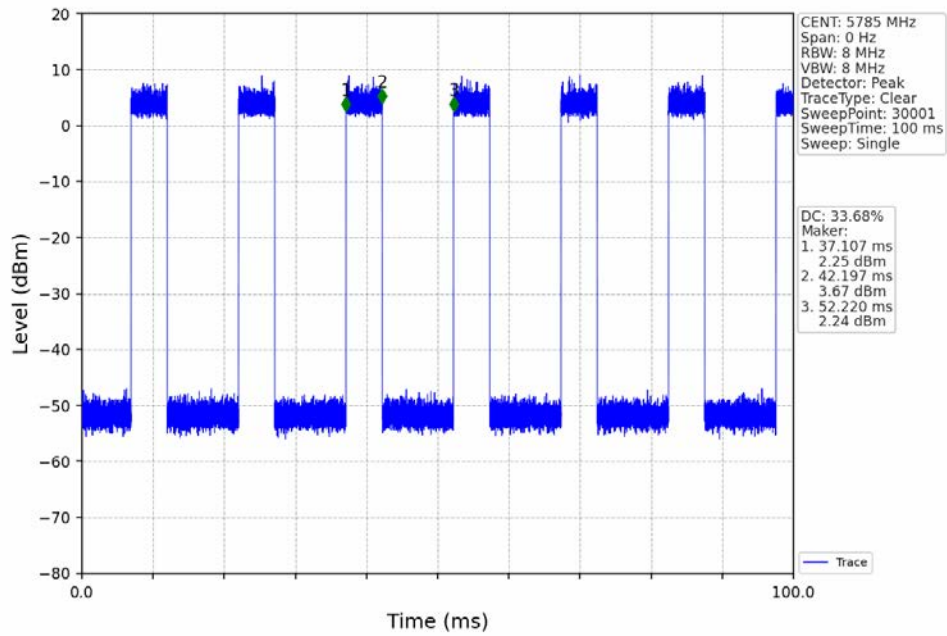
802.11a_HCH_5825MHz_Ant1_NTNV



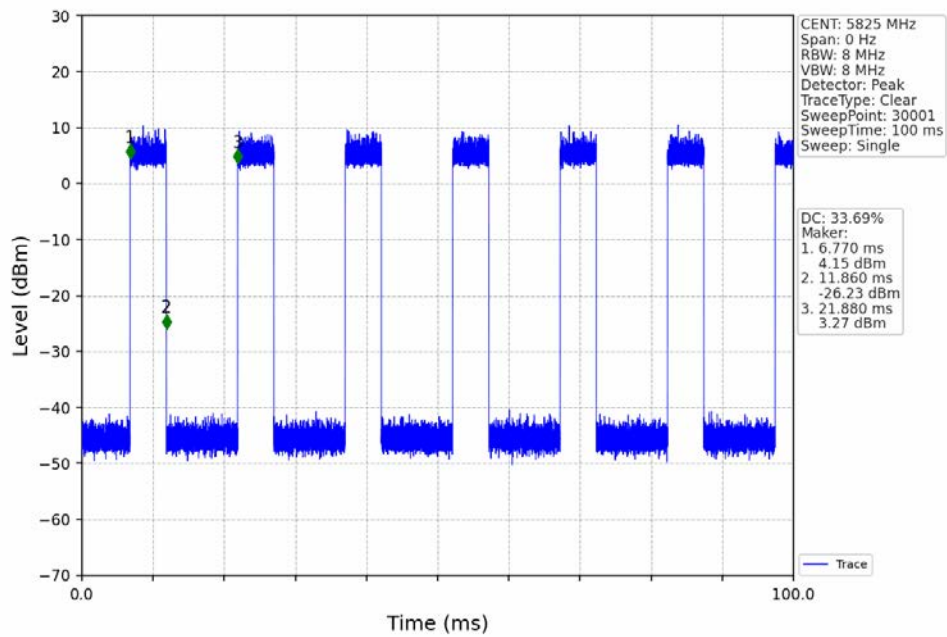
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



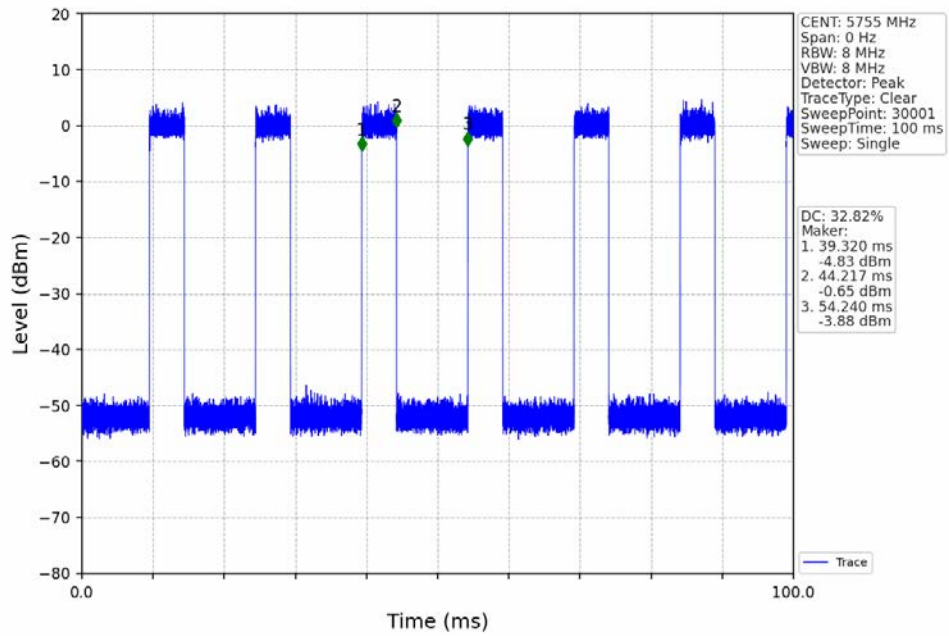
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



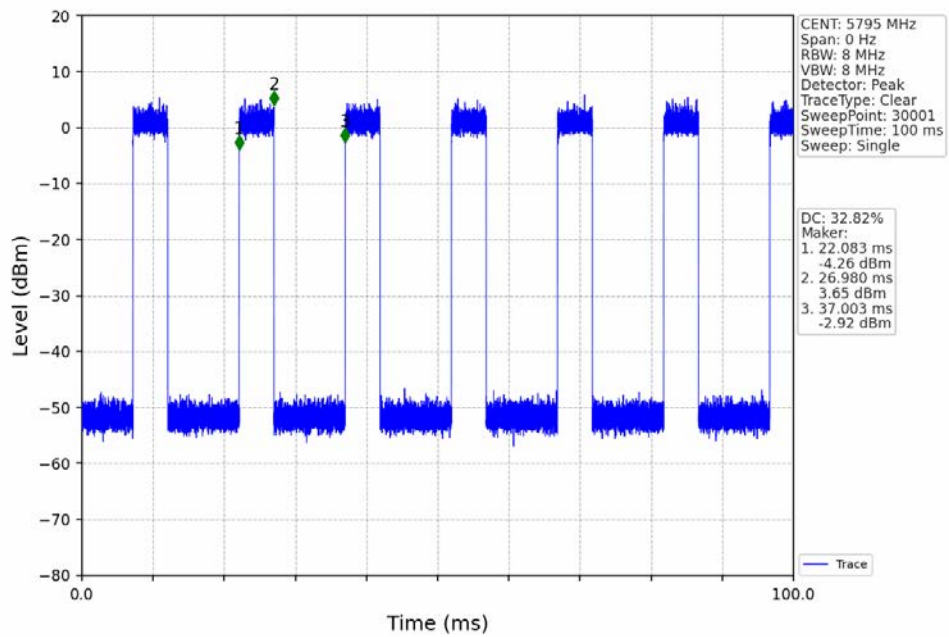
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



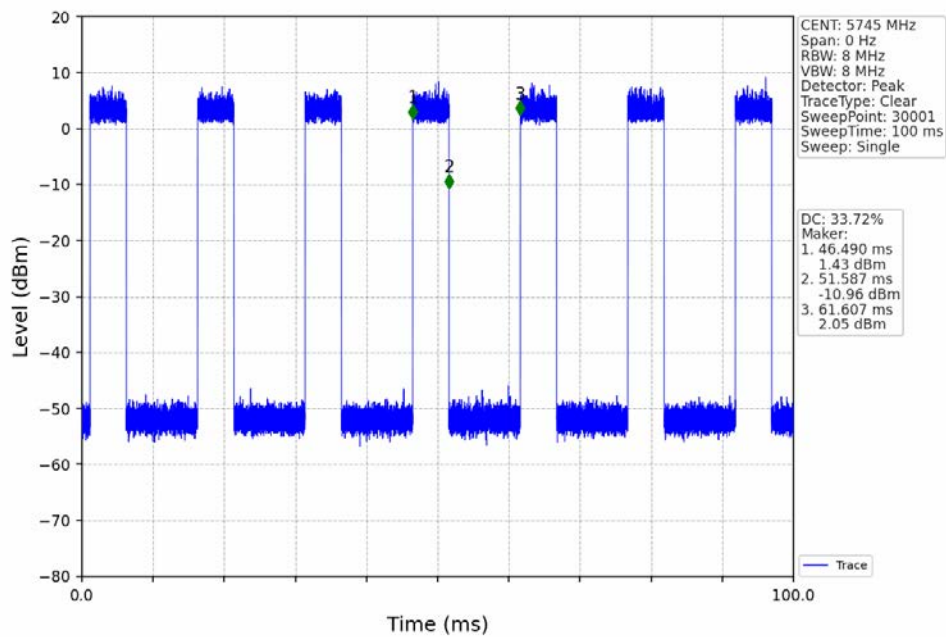
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



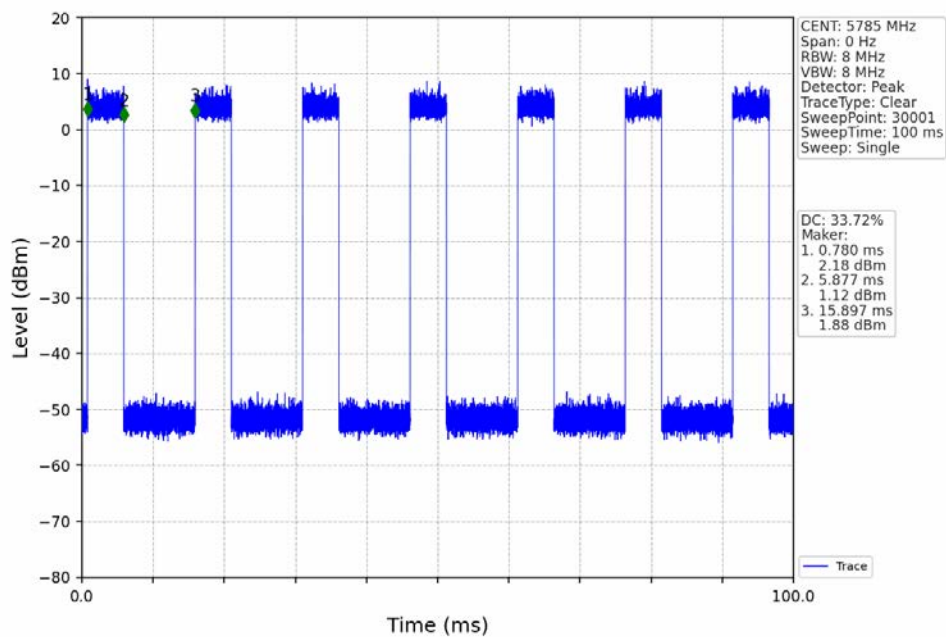
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



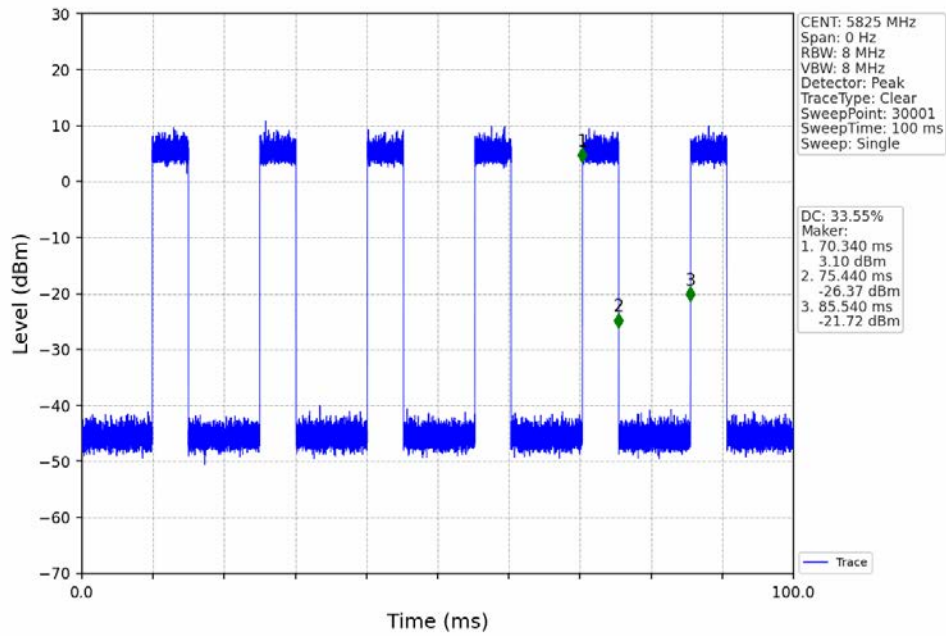
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



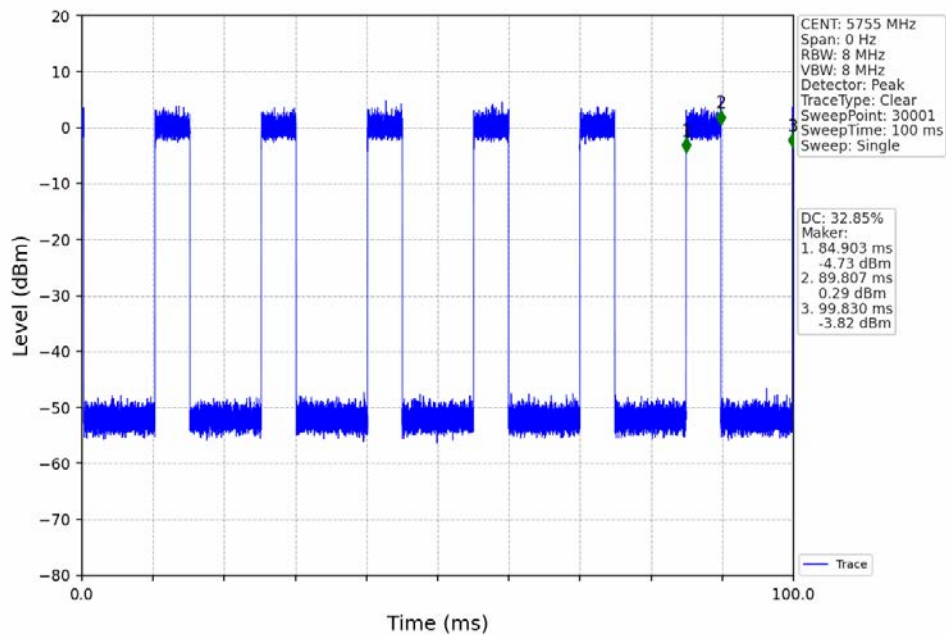
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



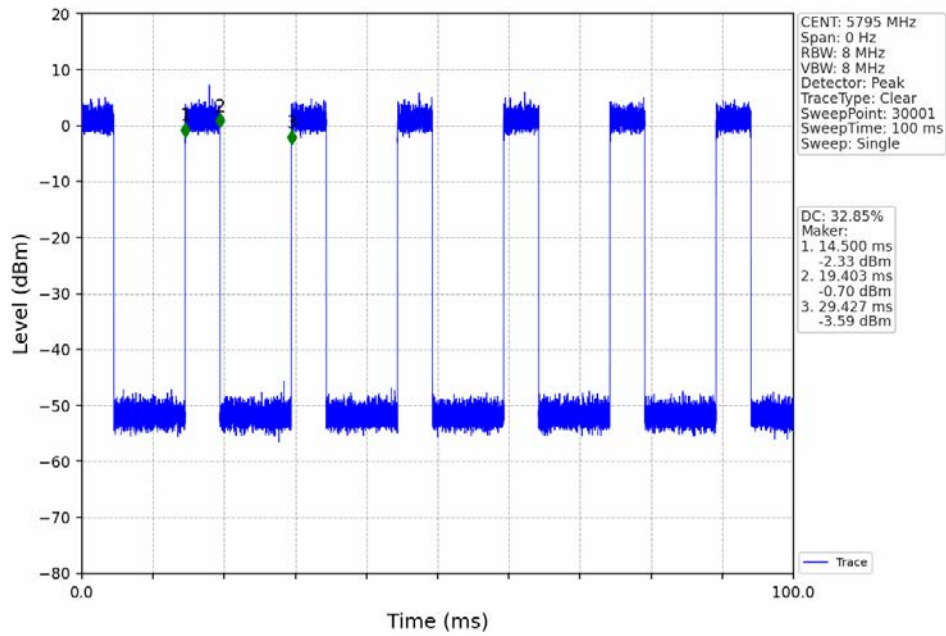
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



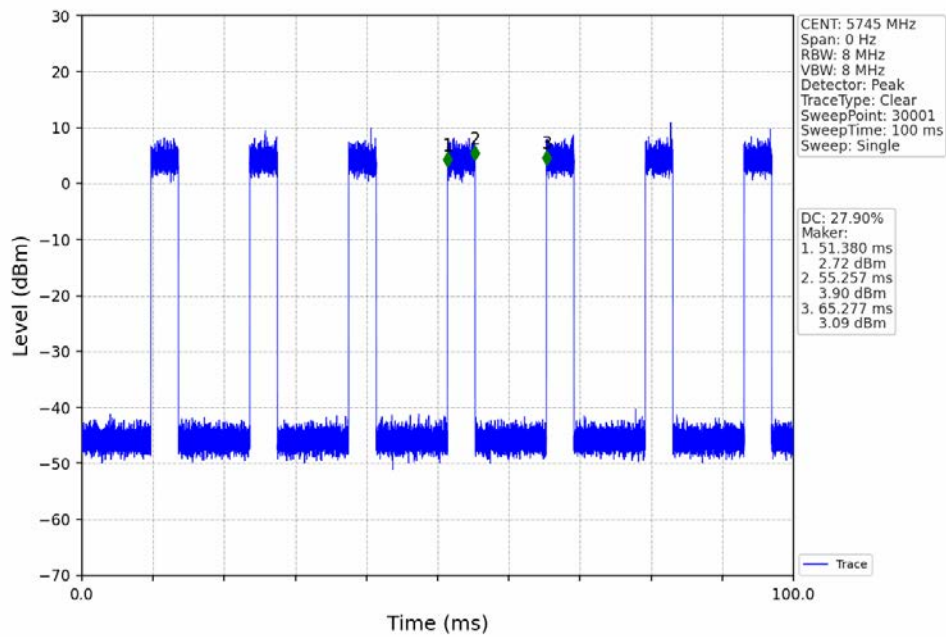
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



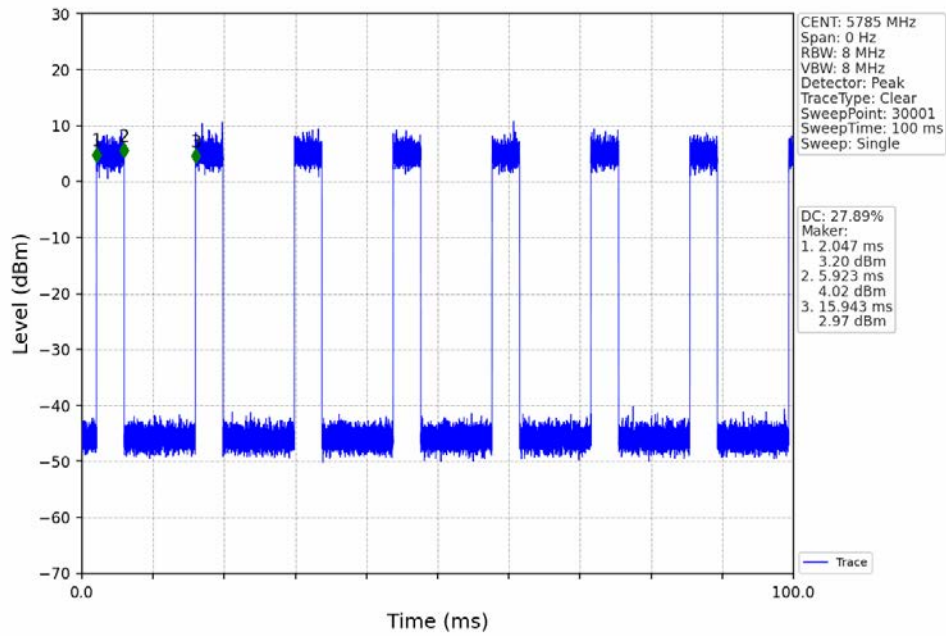
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



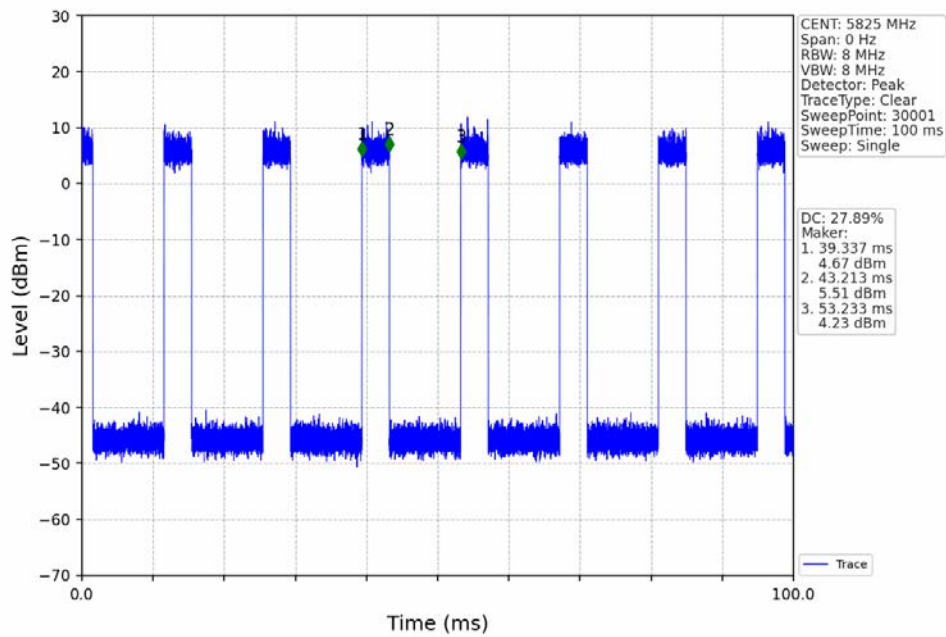
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



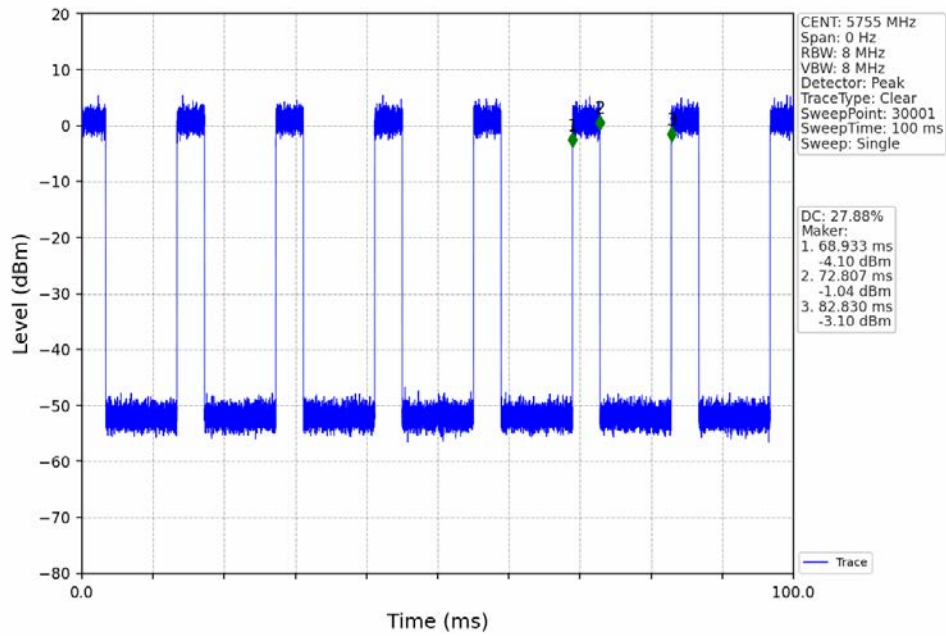
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



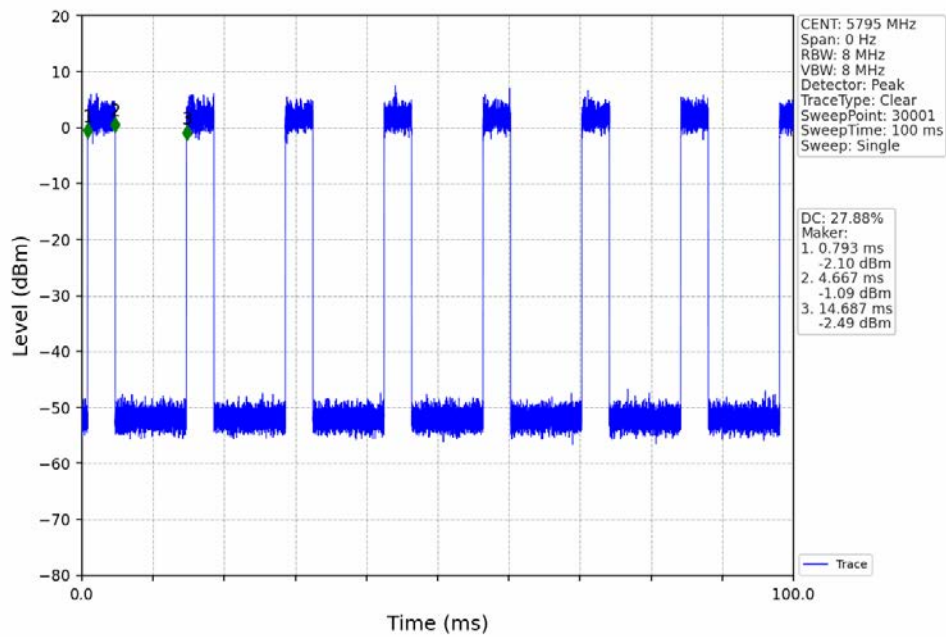
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

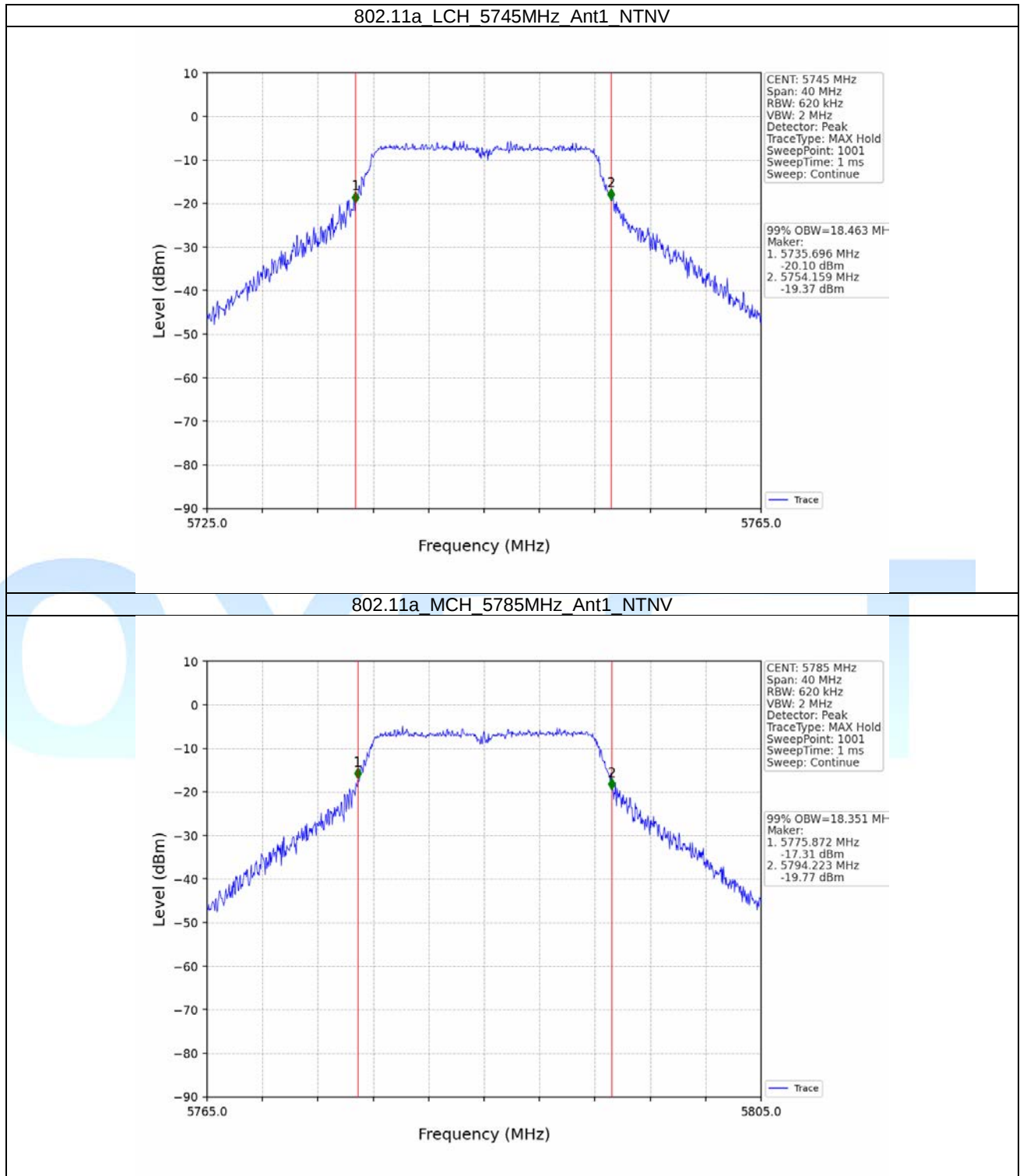
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	18.463	/	Pass
		5785	/	/	1	18.351	/	Pass
		5825	/	/	1	18.421	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	19.991	/	Pass
		5785	/	/	1	19.911	/	Pass
		5825	/	/	1	19.703	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	37.989	/	Pass
		5795	/	/	1	37.952	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	19.843	/	Pass
		5785	/	/	1	19.789	/	Pass
		5825	/	/	1	19.763	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	37.989	/	Pass
		5795	/	/	1	37.942	/	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	20.052	/	Pass
		5785	RU242	Left	1	20.077	/	Pass
		5825	RU242	Left	1	19.993	/	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	39.088	/	Pass
		5795	RU484	Left	1	39.102	/	Pass

2.1.2 6dB BW

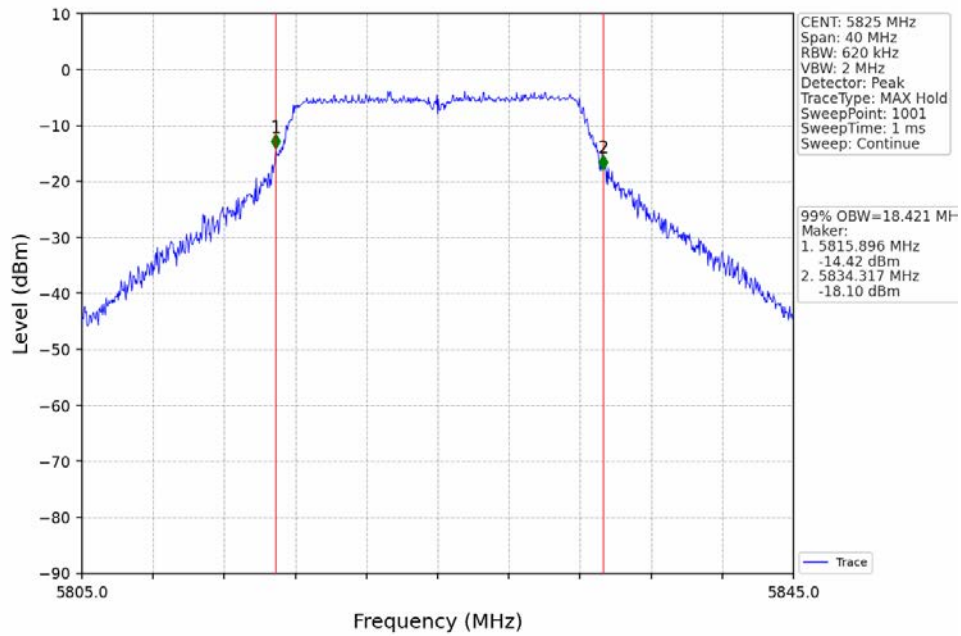
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.389	≥ 0.5	Pass
		5785	/	/	1	16.393	≥ 0.5	Pass
		5825	/	/	1	16.369	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.645	≥ 0.5	Pass
		5785	/	/	1	17.639	≥ 0.5	Pass
		5825	/	/	1	17.638	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.420	≥ 0.5	Pass
		5795	/	/	1	36.372	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.670	≥ 0.5	Pass
		5785	/	/	1	17.700	≥ 0.5	Pass
		5825	/	/	1	17.651	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.393	≥ 0.5	Pass
		5795	/	/	1	36.353	≥ 0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	19.038	≥ 0.5	Pass
		5785	RU242	Left	1	19.048	≥ 0.5	Pass
		5825	RU242	Left	1	18.837	≥ 0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	38.178	≥ 0.5	Pass
		5795	RU484	Left	1	37.972	≥ 0.5	Pass

2.2 Test Graph

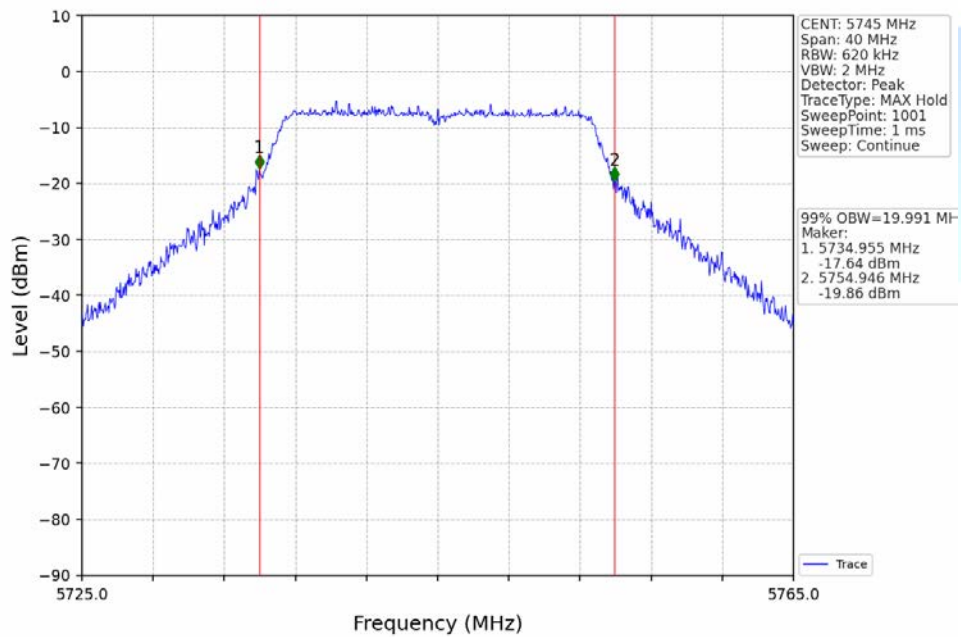
2.2.1 OBW



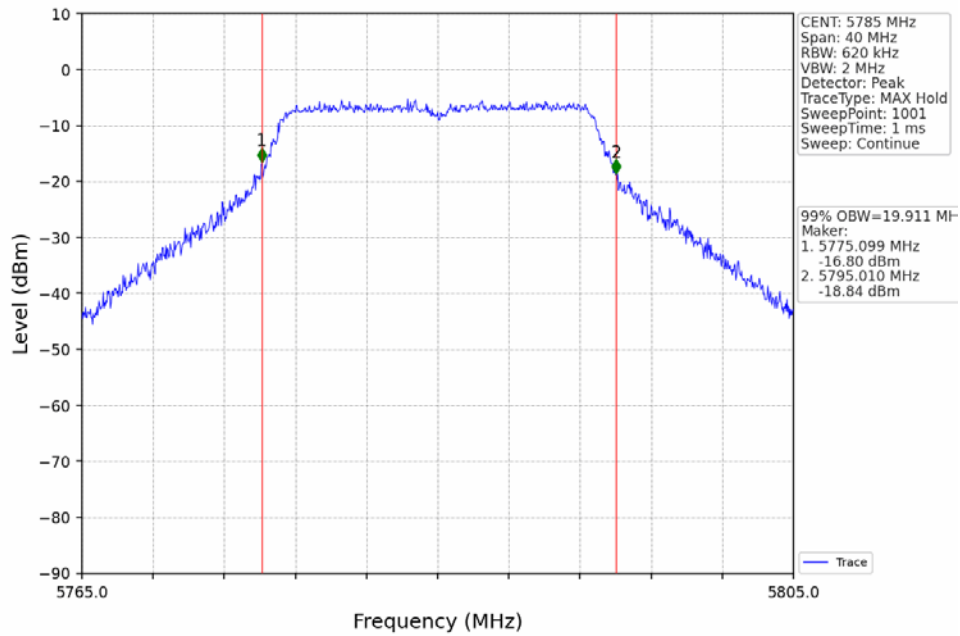
802.11a_HCH_5825MHz_Ant1_NTNV



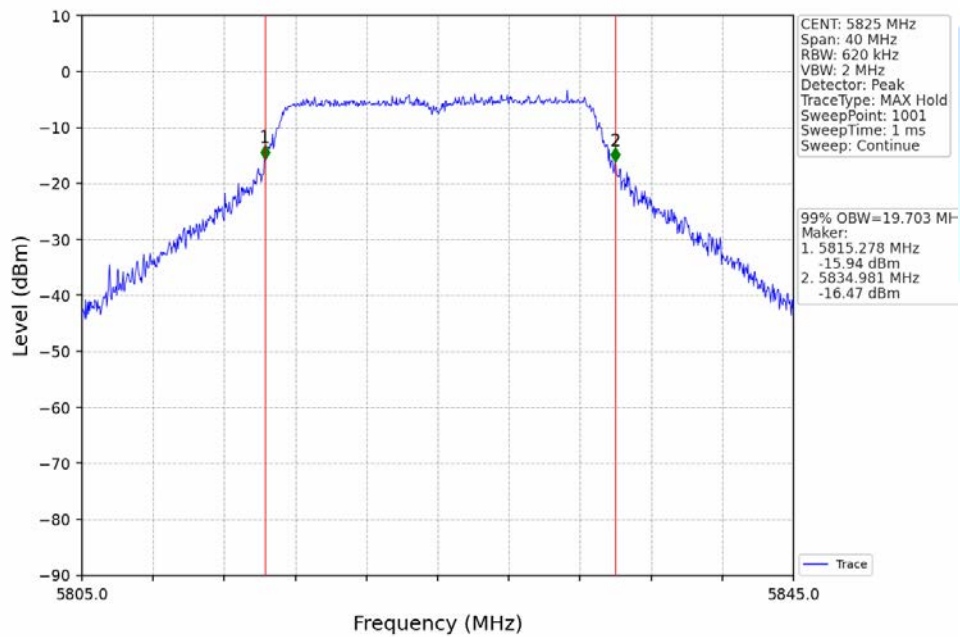
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



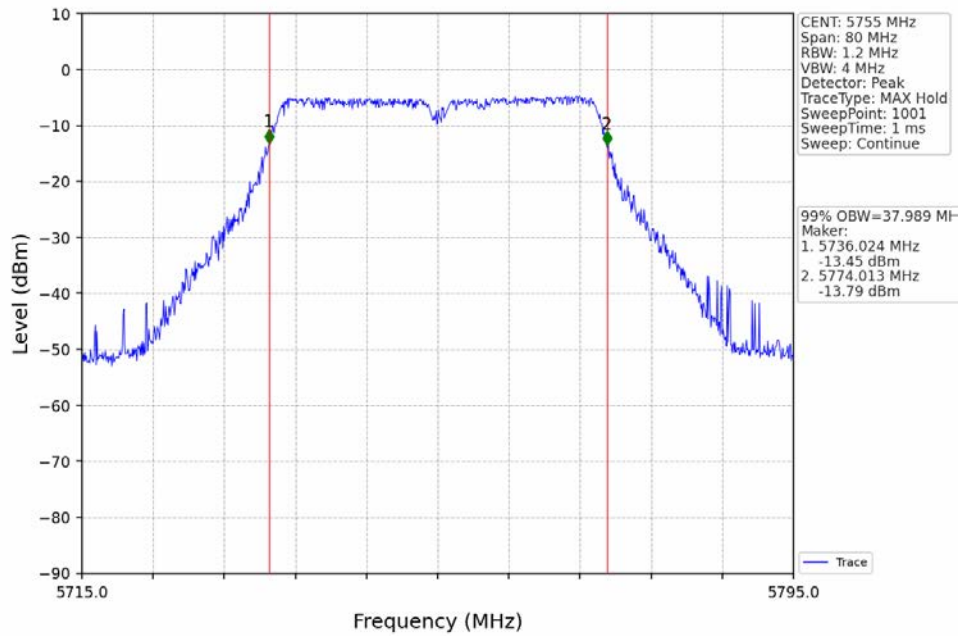
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



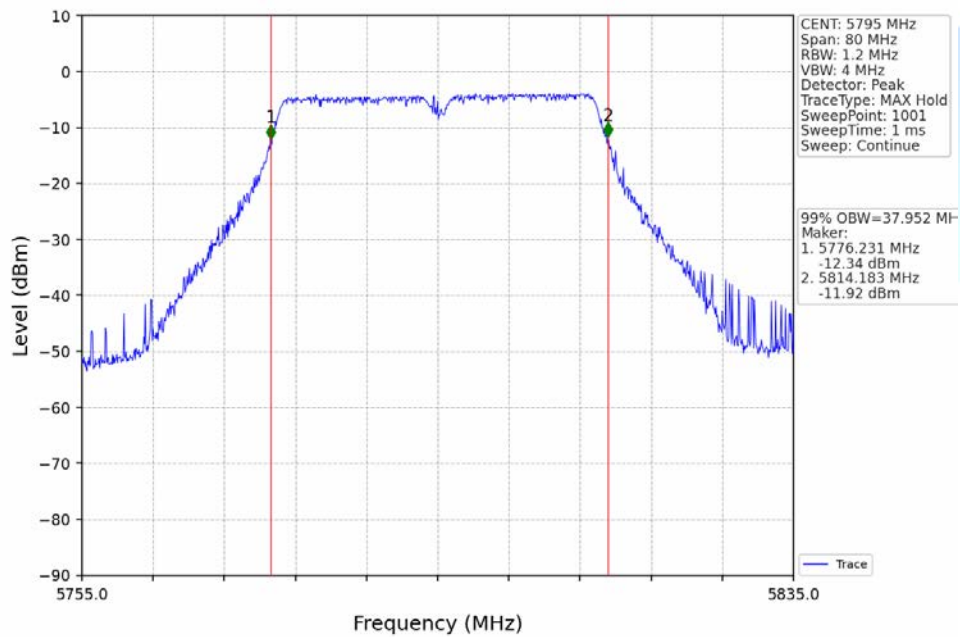
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



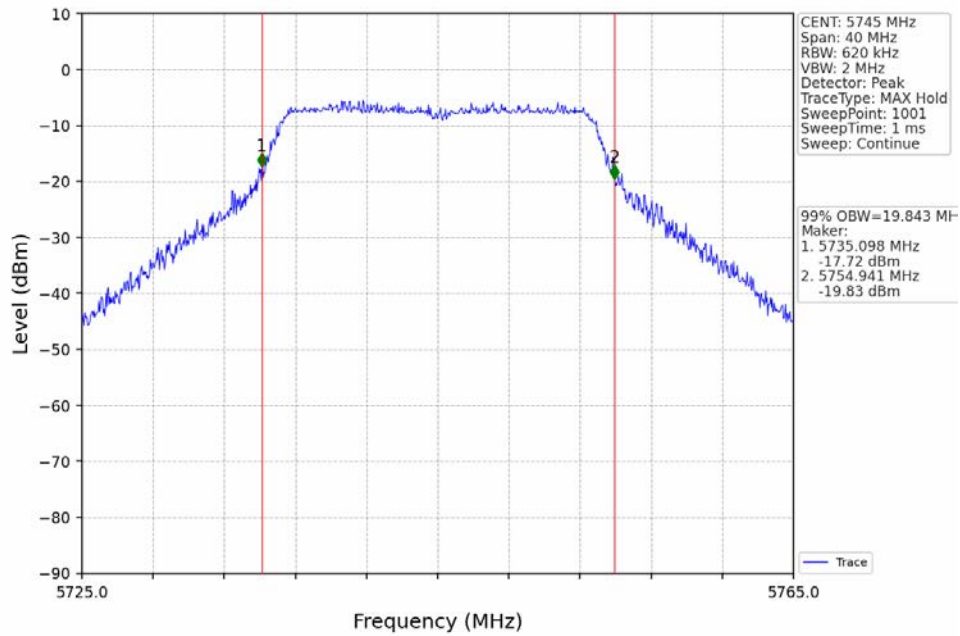
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



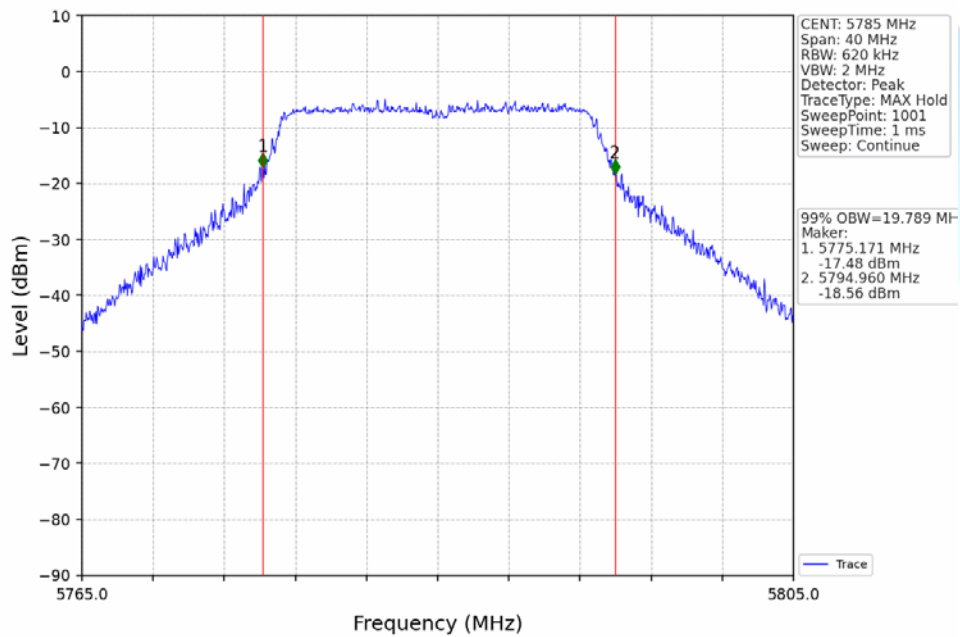
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



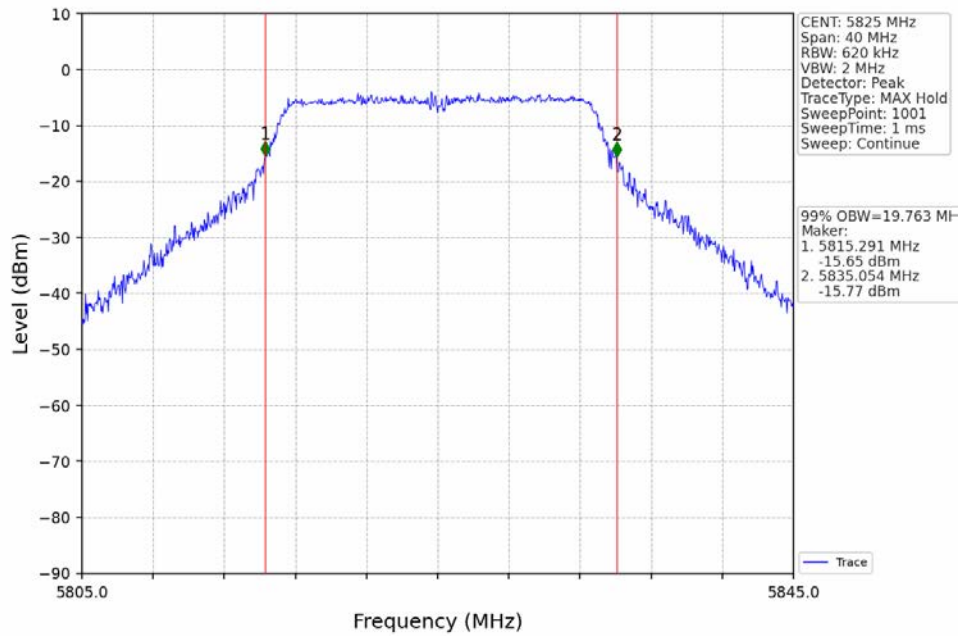
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



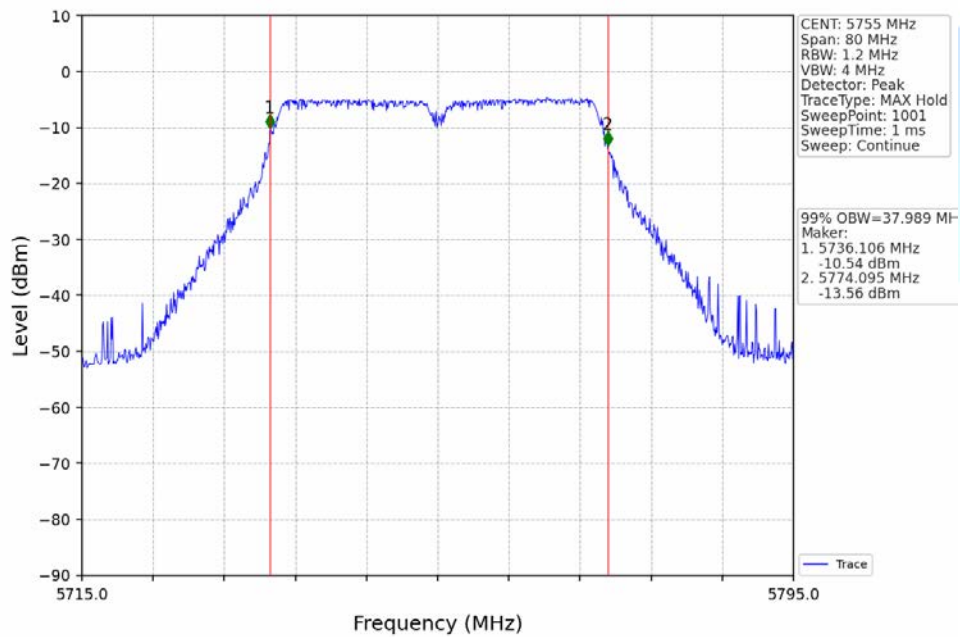
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



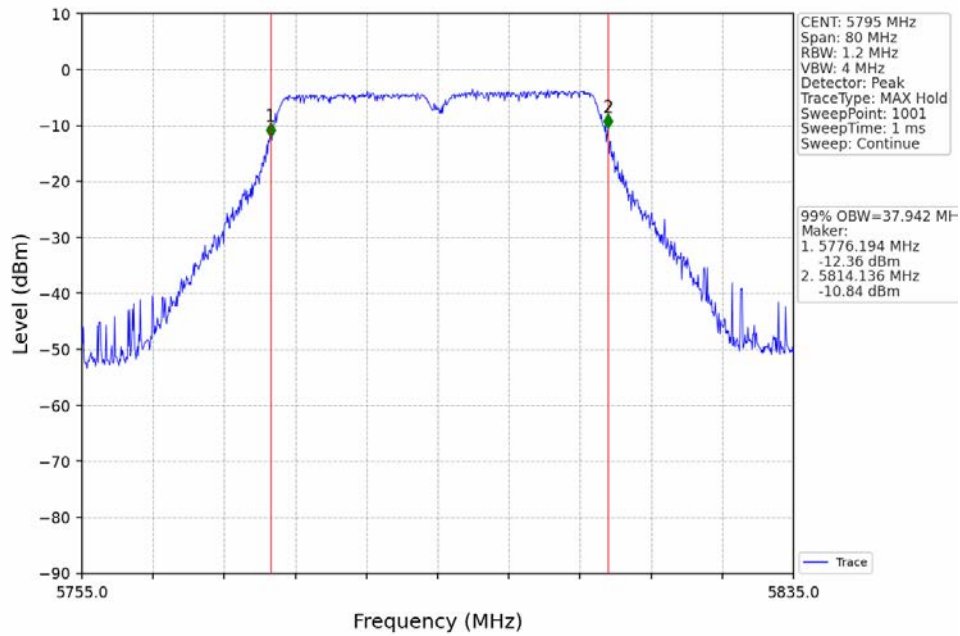
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



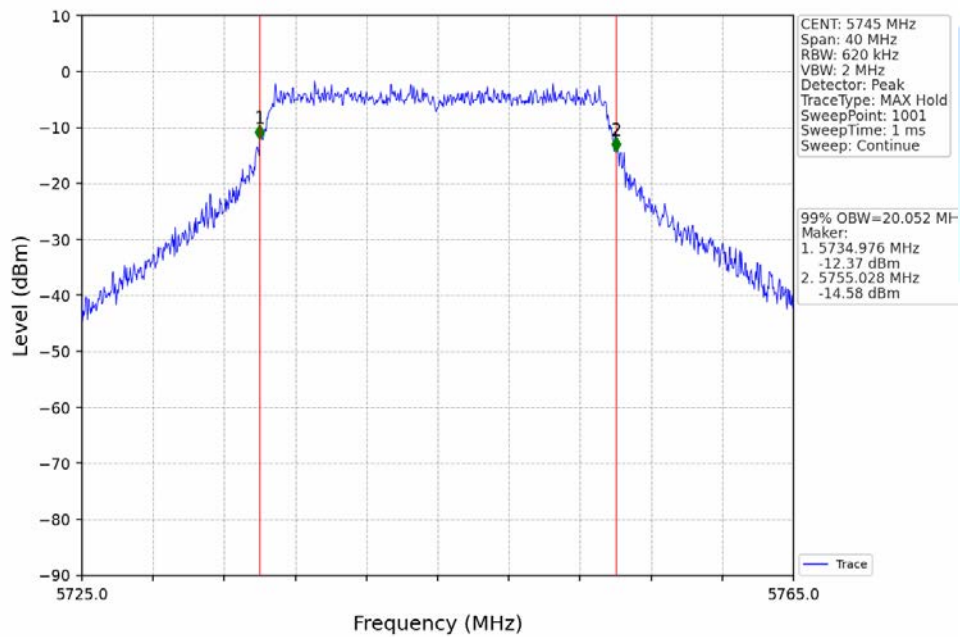
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



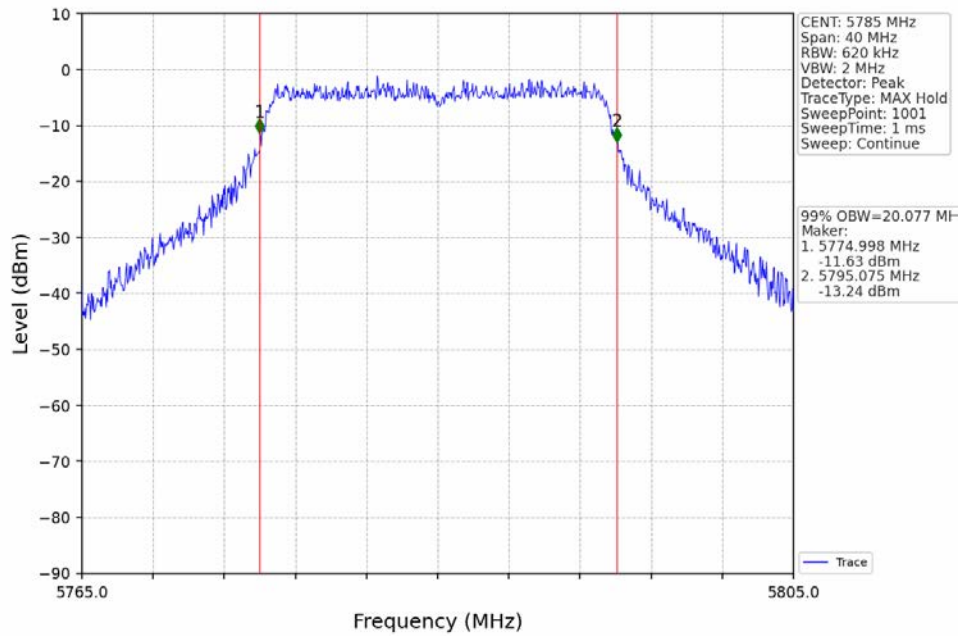
802.11ac(VHT40) HCH_5795MHz_Ant1_NTNV



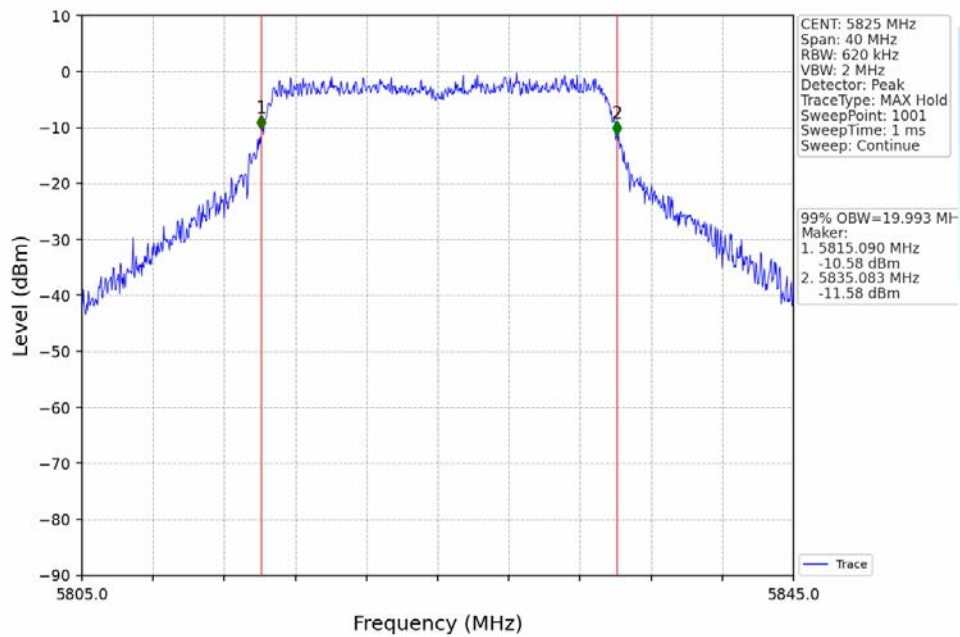
802.11ax(HEW20) LCH_5745MHz_RU242_Left_Ant1_NTNV



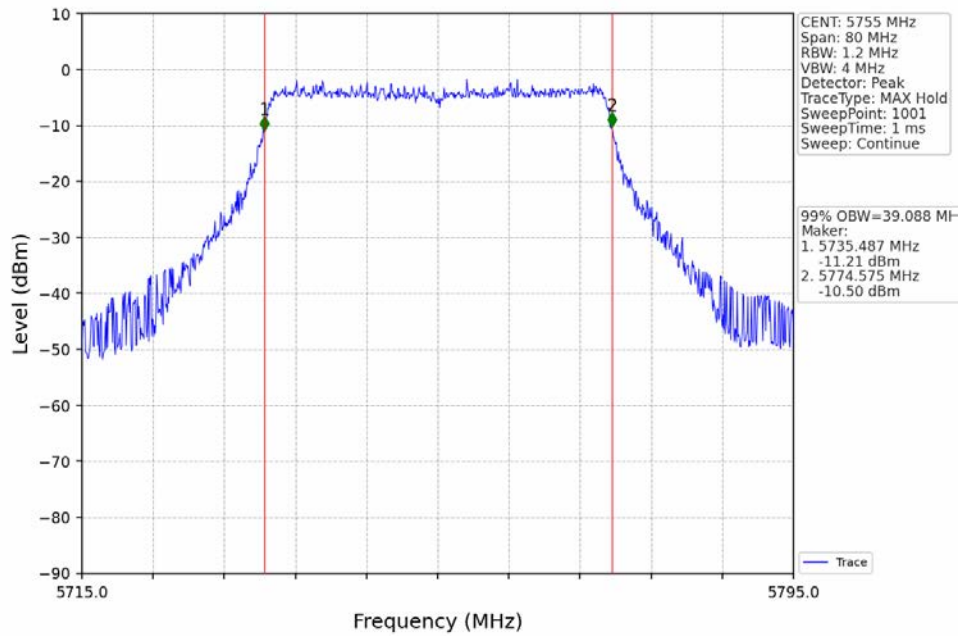
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



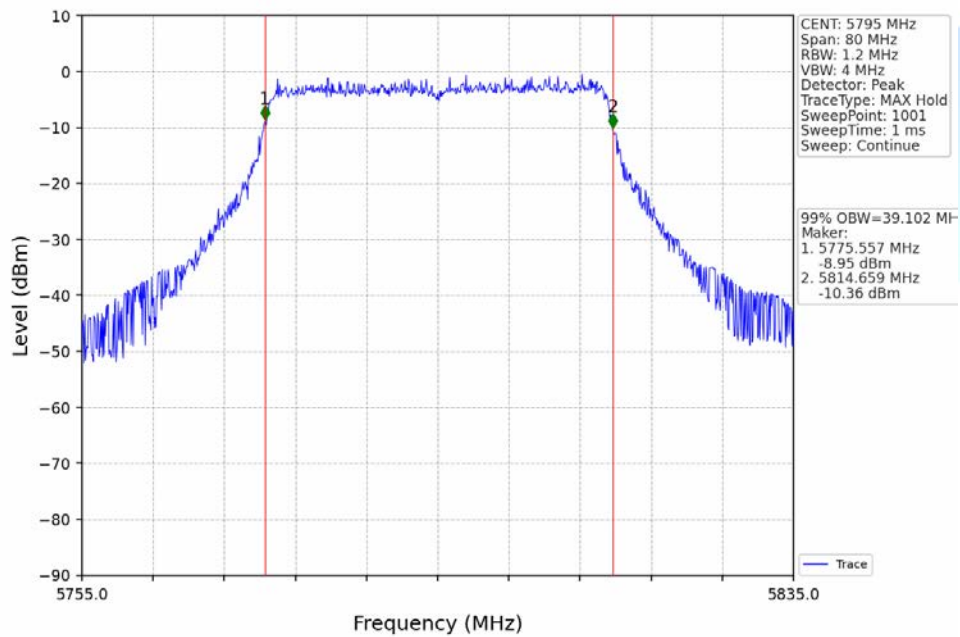
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



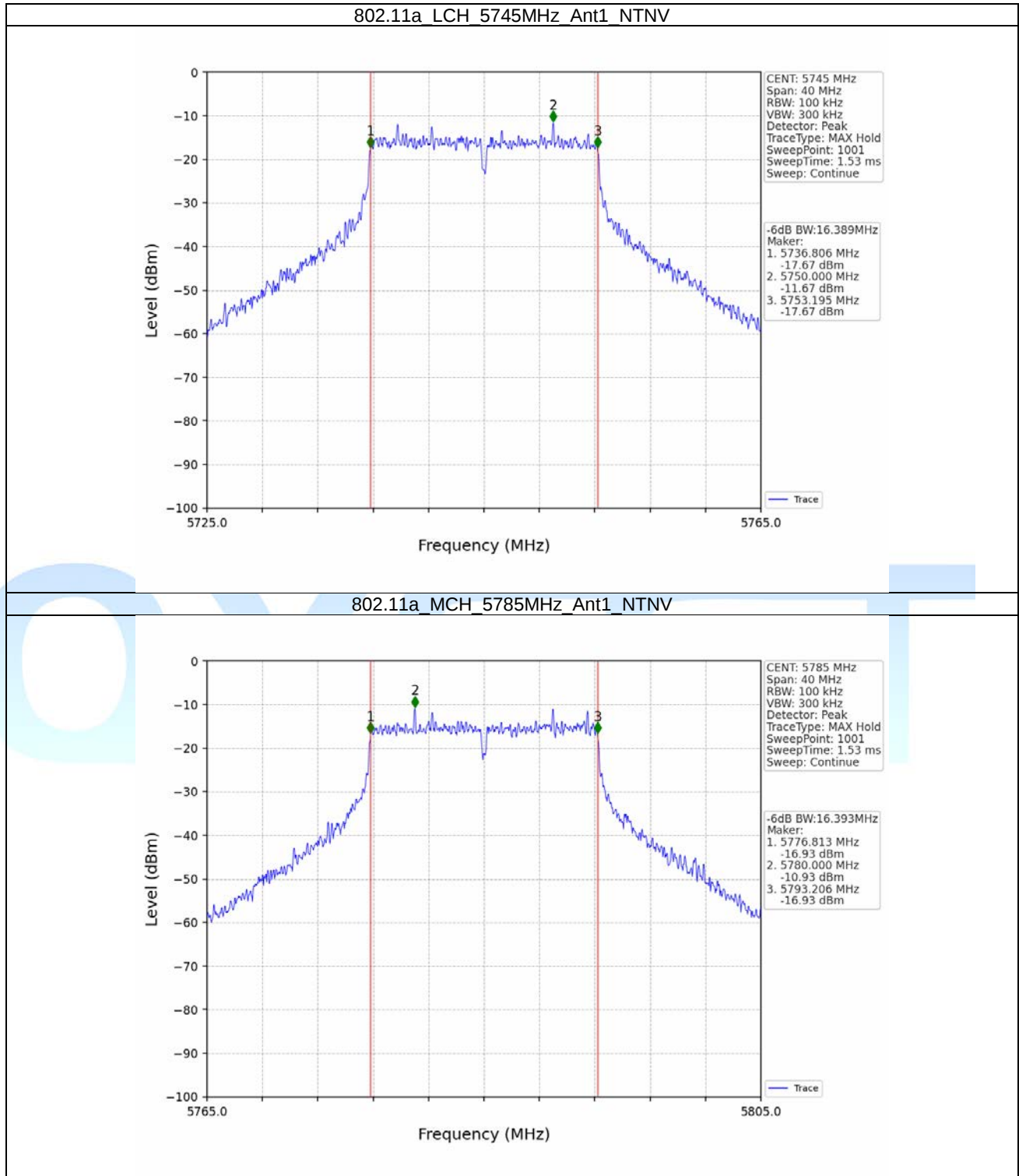
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



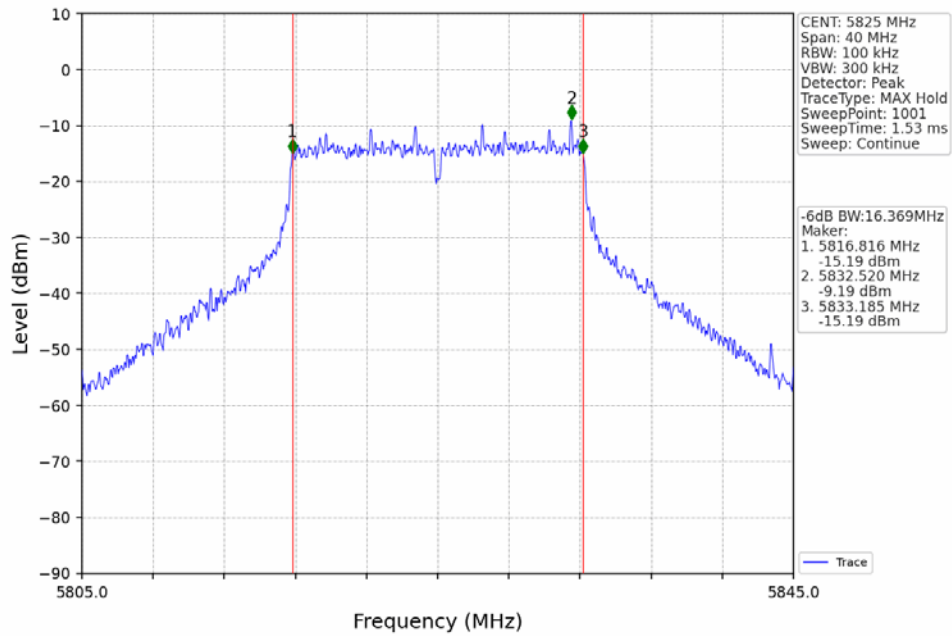
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



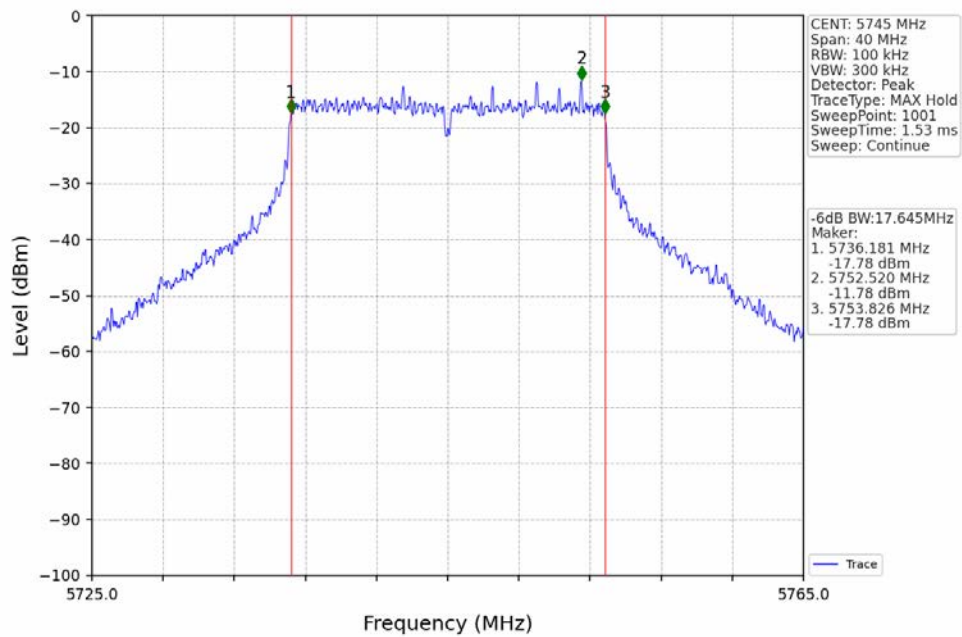
2.2.2 6dB BW



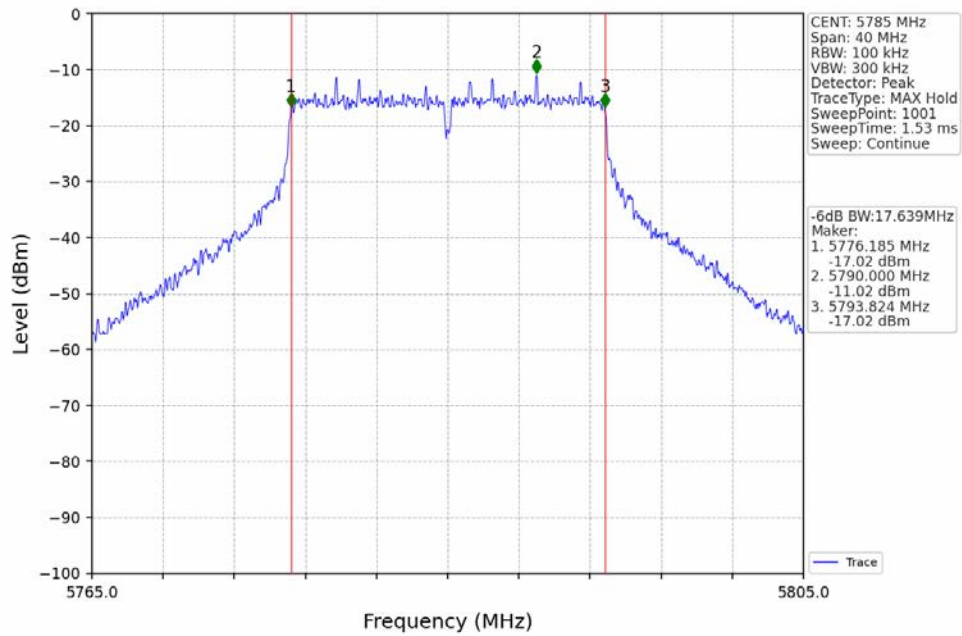
802.11a_HCH_5825MHz_Ant1_NTNV



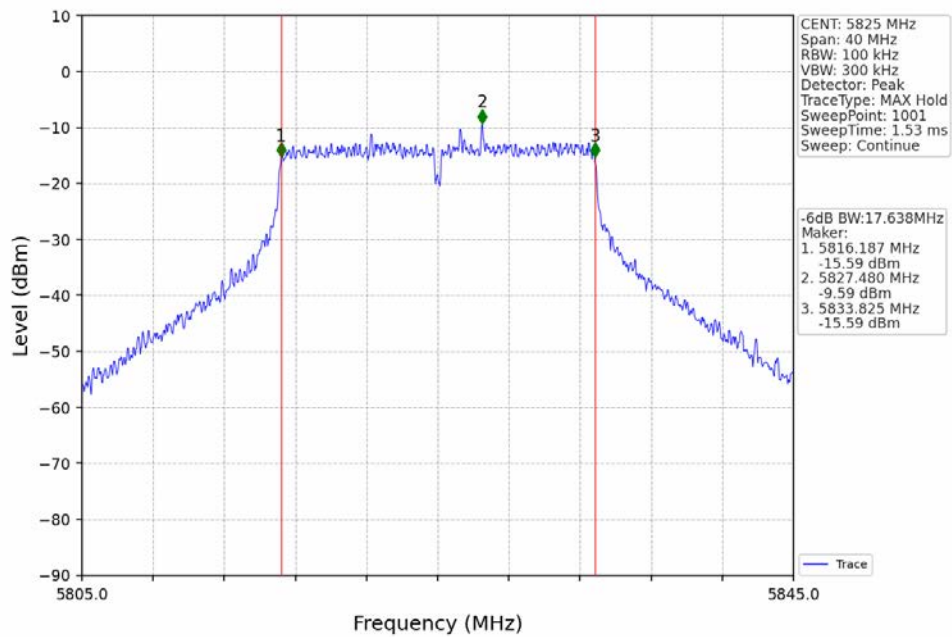
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



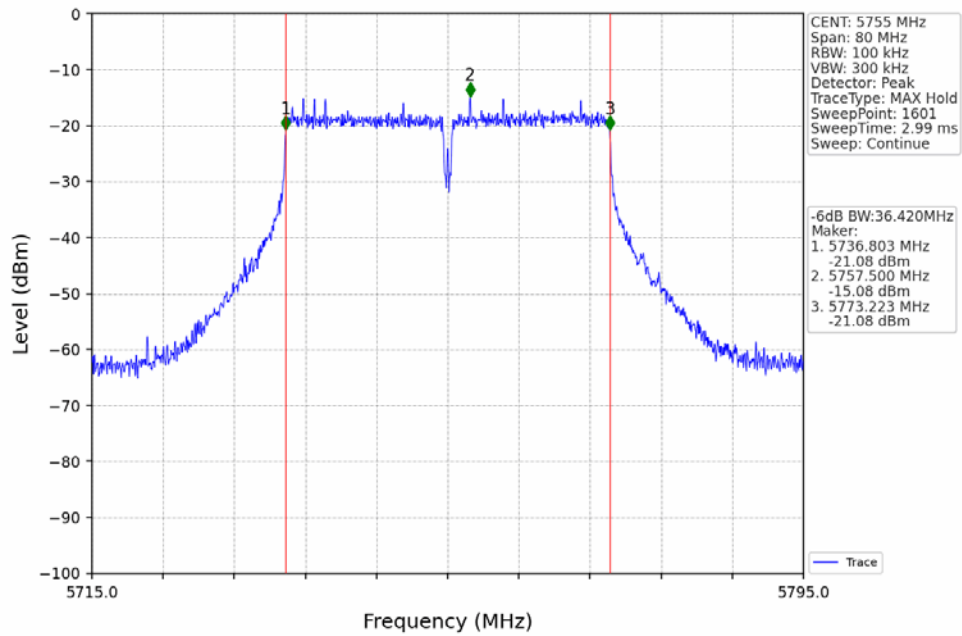
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



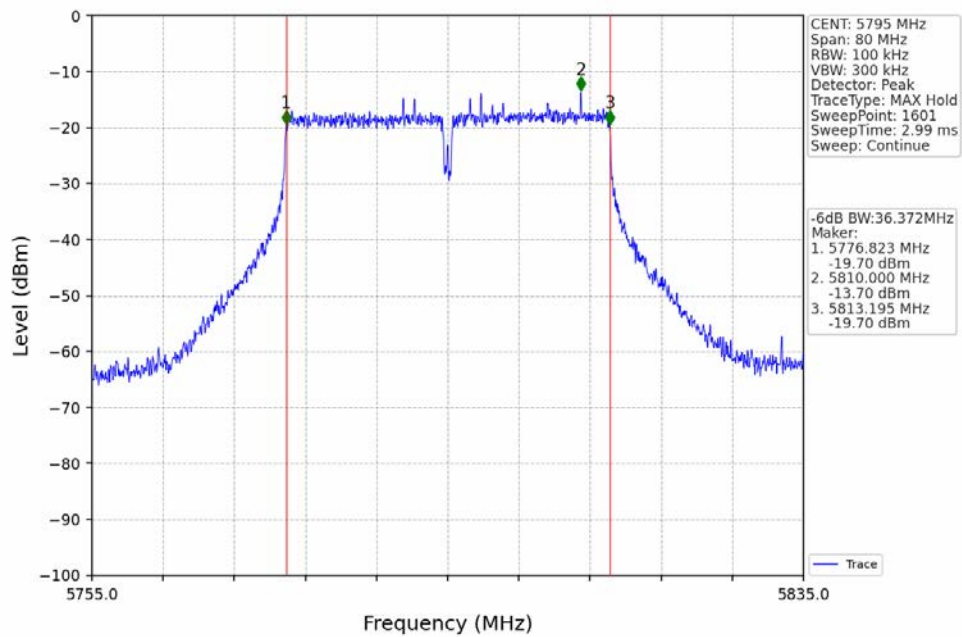
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



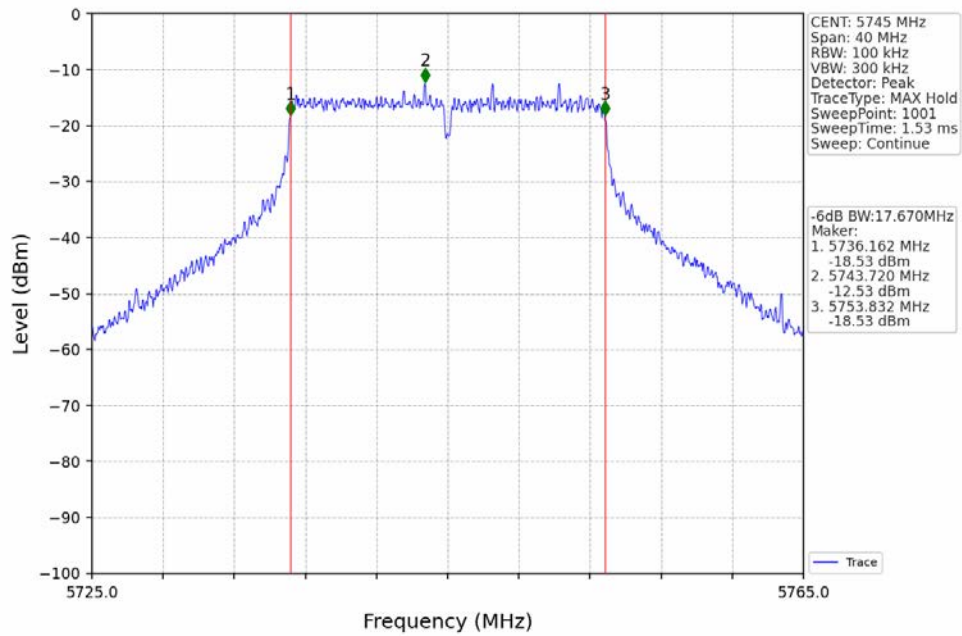
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



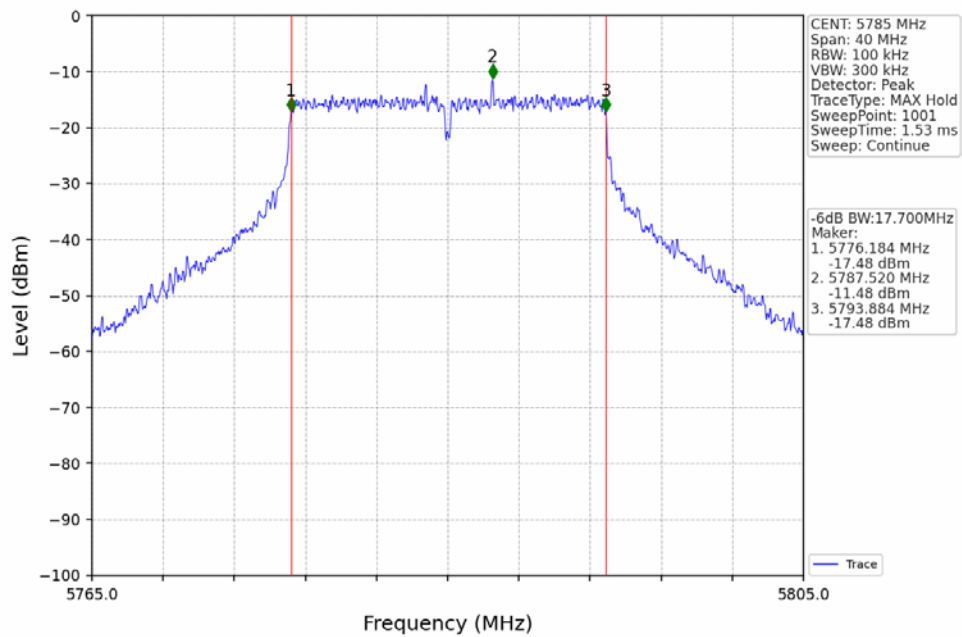
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



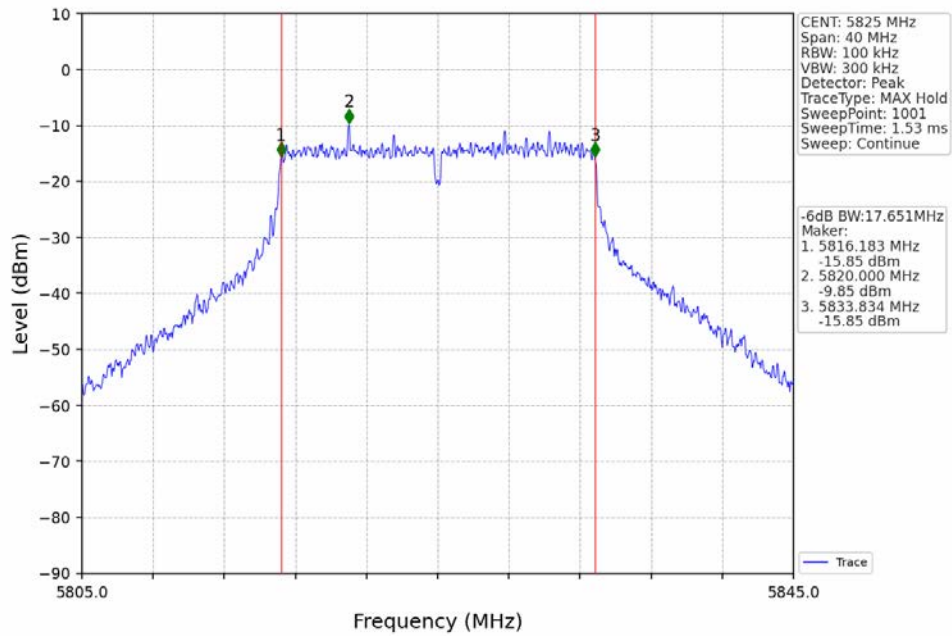
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



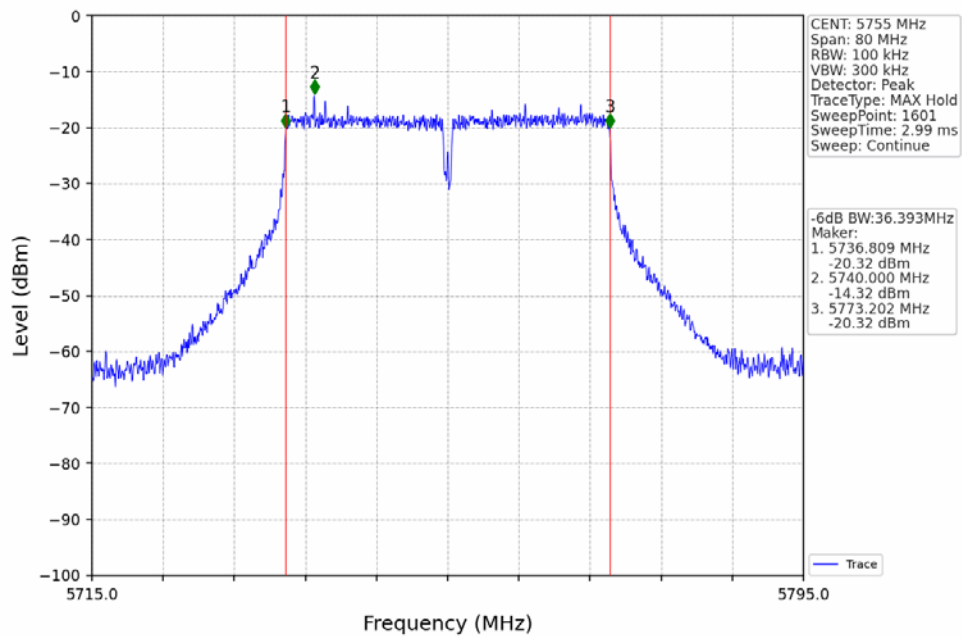
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



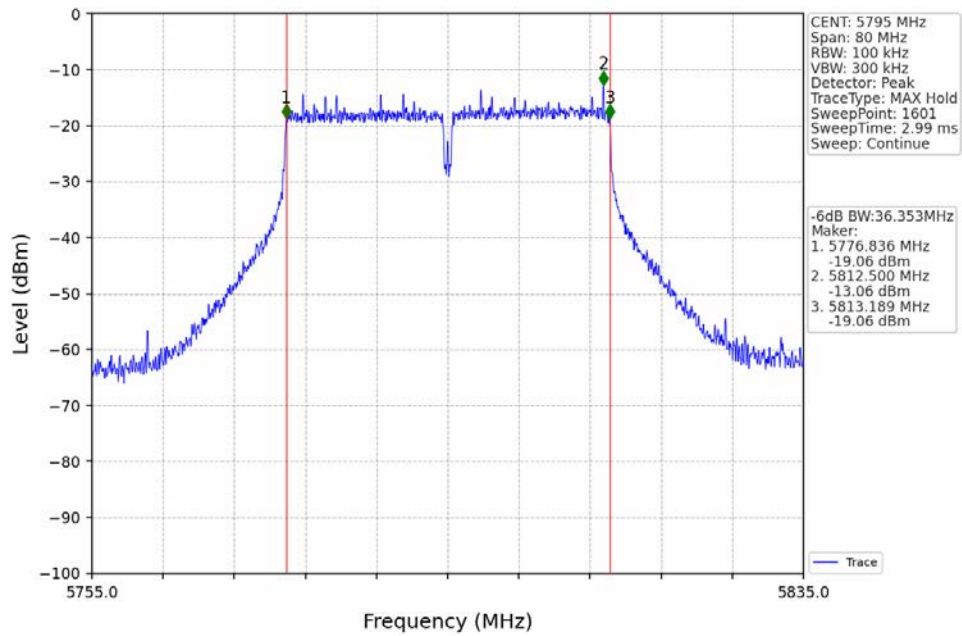
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



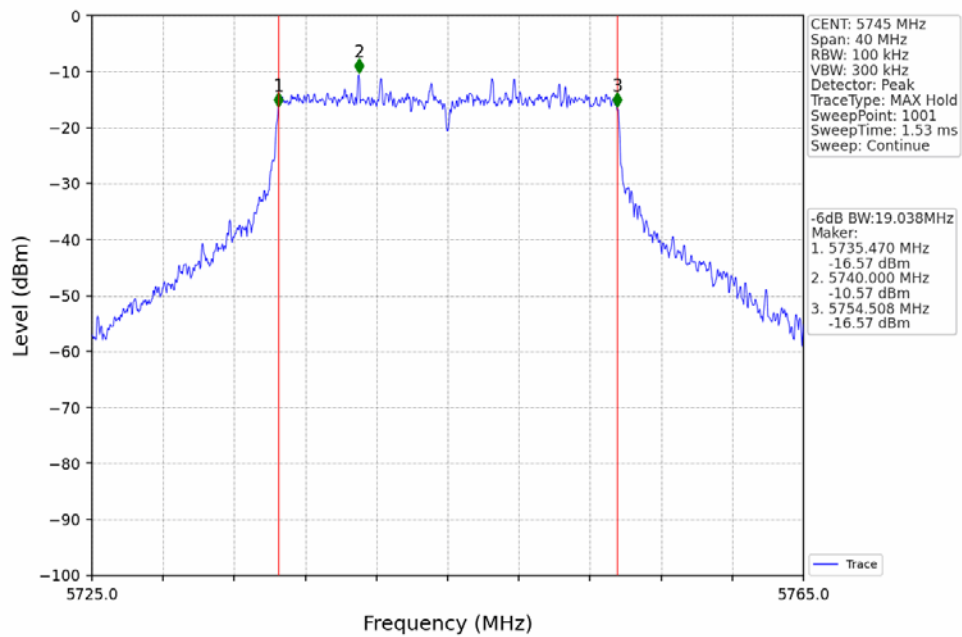
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



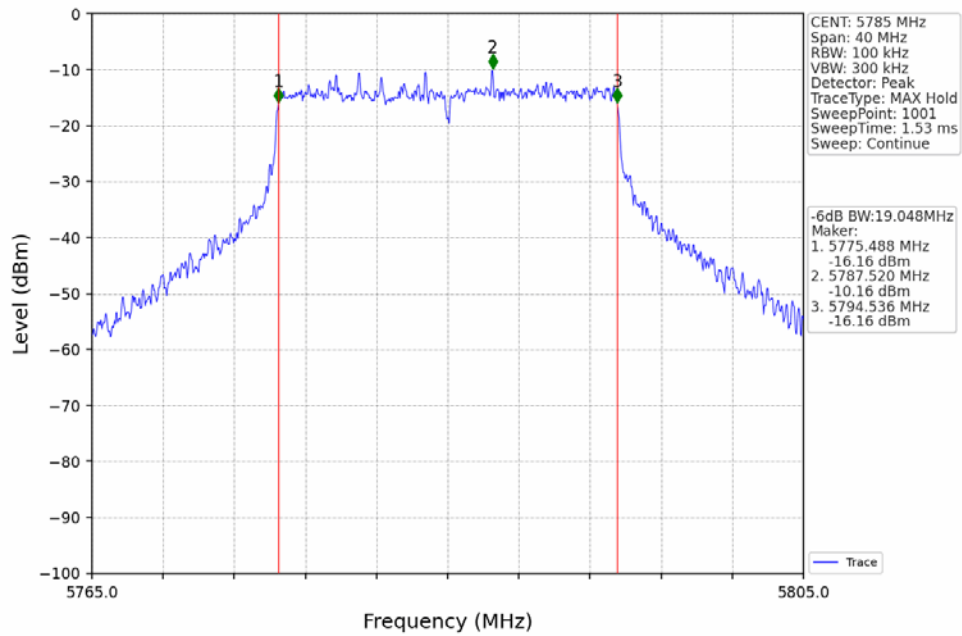
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



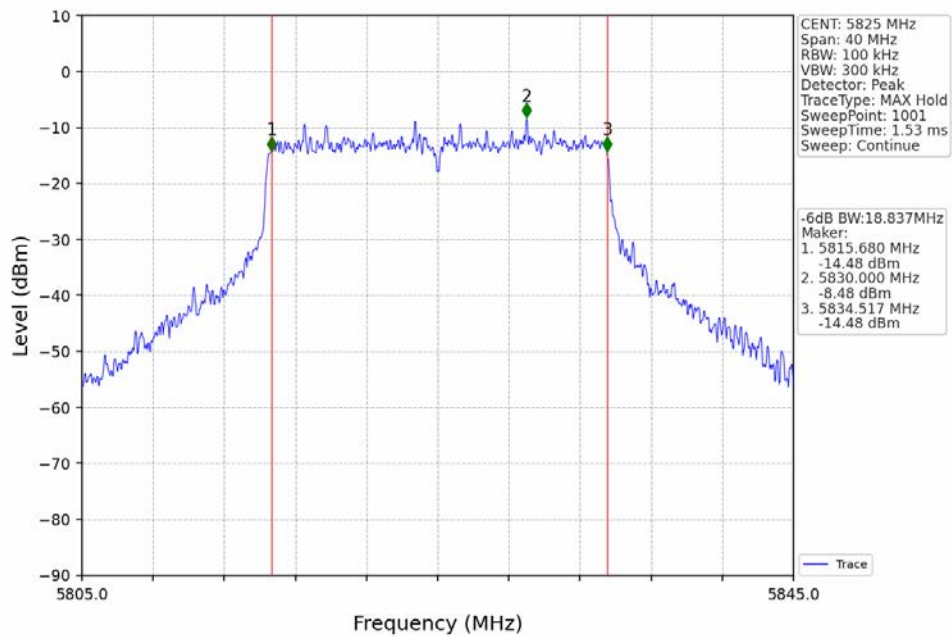
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



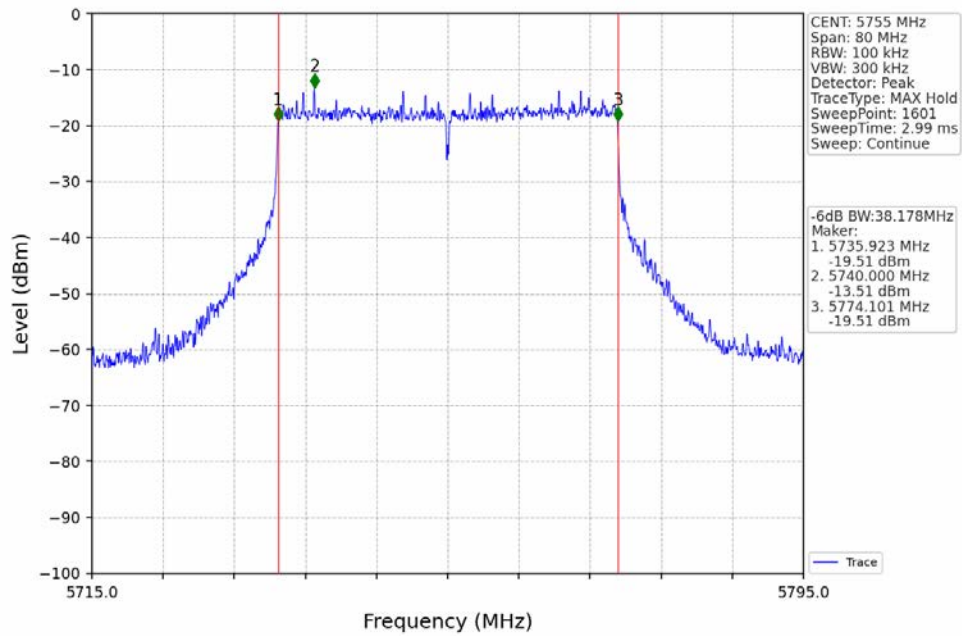
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



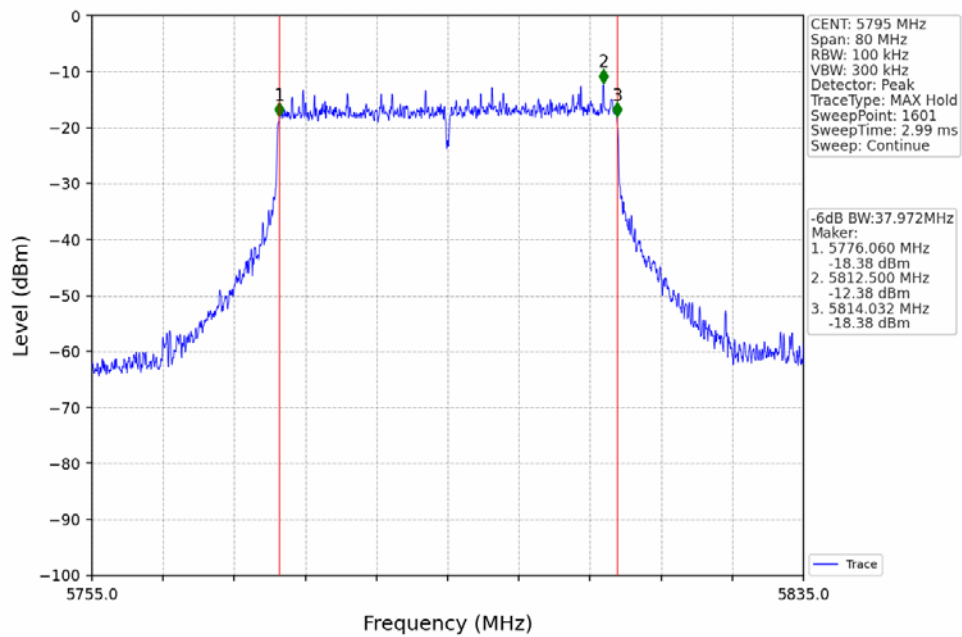
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_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	/	/	0.05	<=30	Pass
		5785	/	/	0.67	<=30	Pass
		5825	/	/	2.48	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	0.39	<=30	Pass
		5785	/	/	0.66	<=30	Pass
		5825	/	/	2.31	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	0.26	<=30	Pass
		5795	/	/	1.60	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	0.35	<=30	Pass
		5785	/	/	0.52	<=30	Pass
		5825	/	/	2.14	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	0.44	<=30	Pass
		5795	/	/	1.40	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1.05	<=30	Pass
		5785	RU242	Left	1.80	<=30	Pass
		5825	RU242	Left	3.40	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	2.01	<=30	Pass
		5795	RU484	Left	2.07	<=30	Pass

Note1: Antenna Gain: Ant1: 2.96dBi;

4. Maximum Power Spectral Density

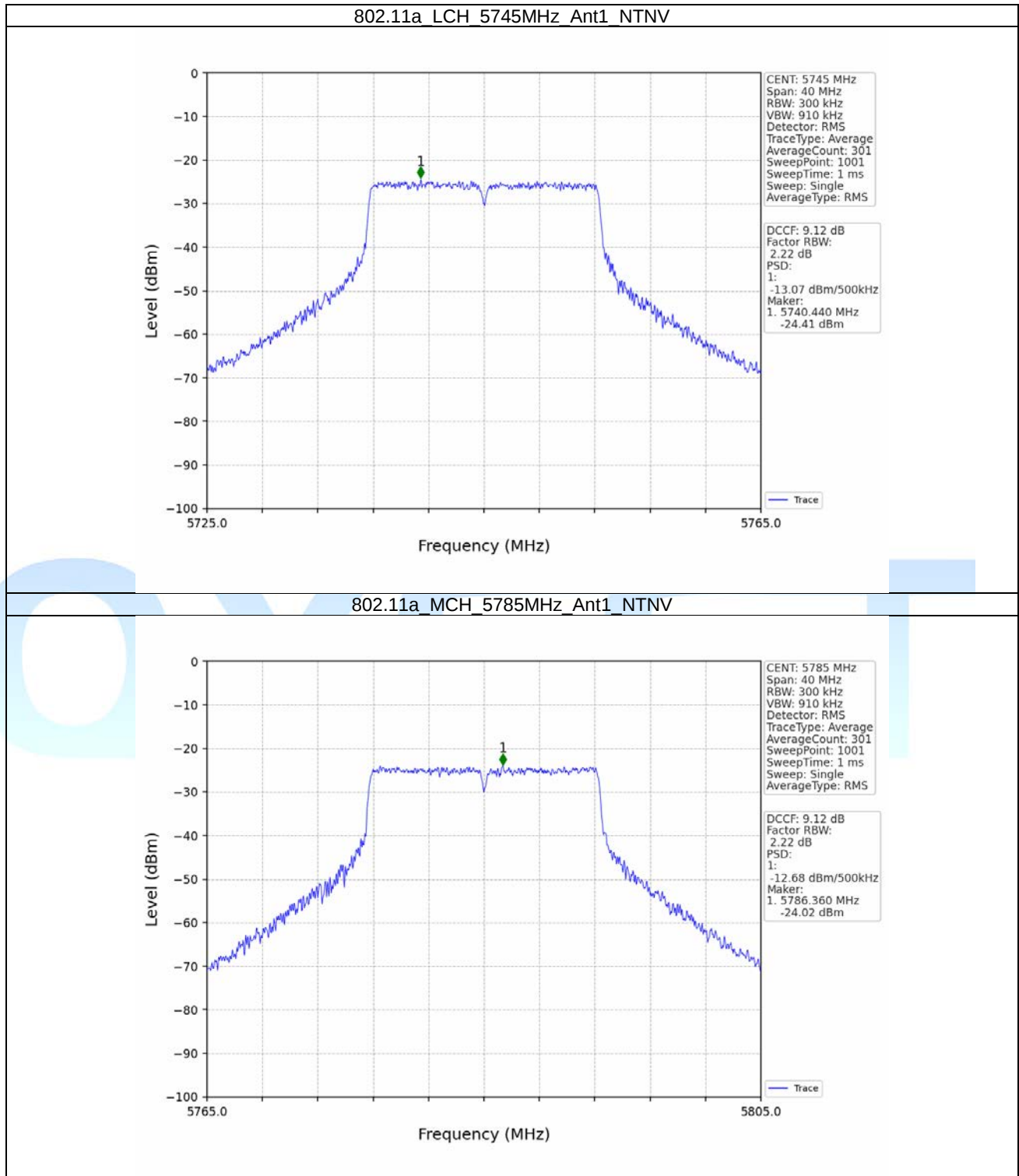
4.1 Test Result

4.1.1 PSD-Band3

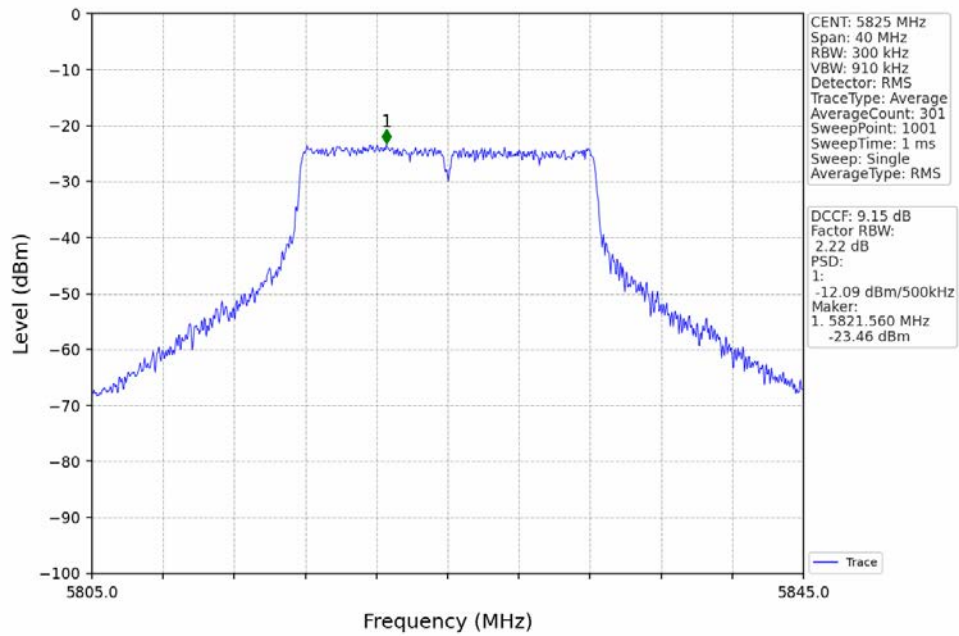
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-13.07	<=30	Pass
		5785	/	/	-12.68	<=30	Pass
		5825	/	/	-12.09	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-14.42	<=30	Pass
		5785	/	/	-13.84	<=30	Pass
		5825	/	/	-11.98	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-16.59	<=30	Pass
		5795	/	/	-16.19	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-14.46	<=30	Pass
		5785	/	/	-13.65	<=30	Pass
		5825	/	/	-12.05	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-16.79	<=30	Pass
		5795	/	/	-15.55	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	-13.60	<=30	Pass
		5785	RU242	Left	-12.79	<=30	Pass
		5825	RU242	Left	-11.30	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-15.92	<=30	Pass
		5795	RU484	Left	-15.41	<=30	Pass
Note1: Antenna Gain: Ant1: 2.96dBi;							

4.2 Test Graph

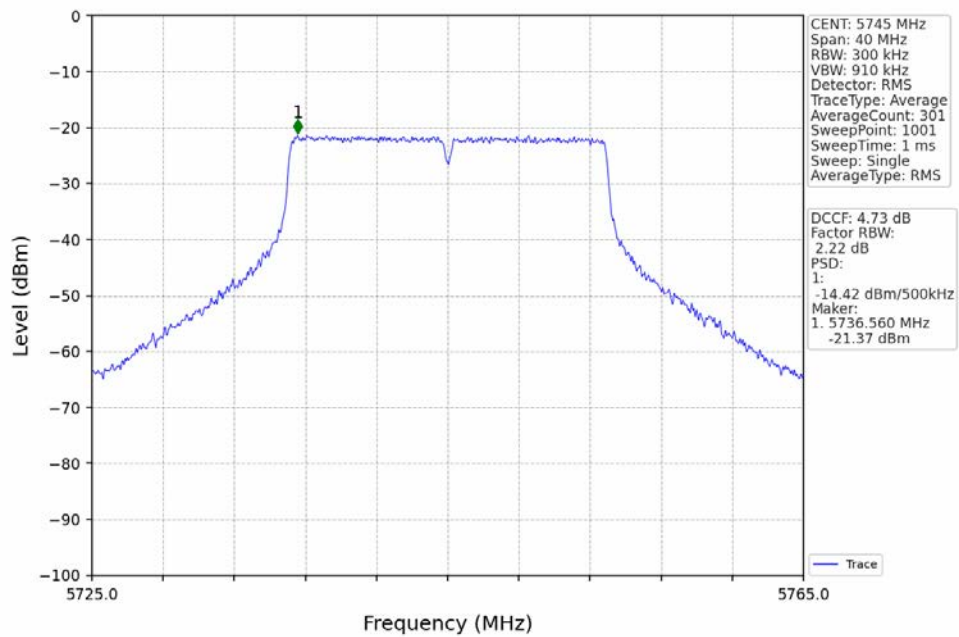
4.2.1 PSD-Band3



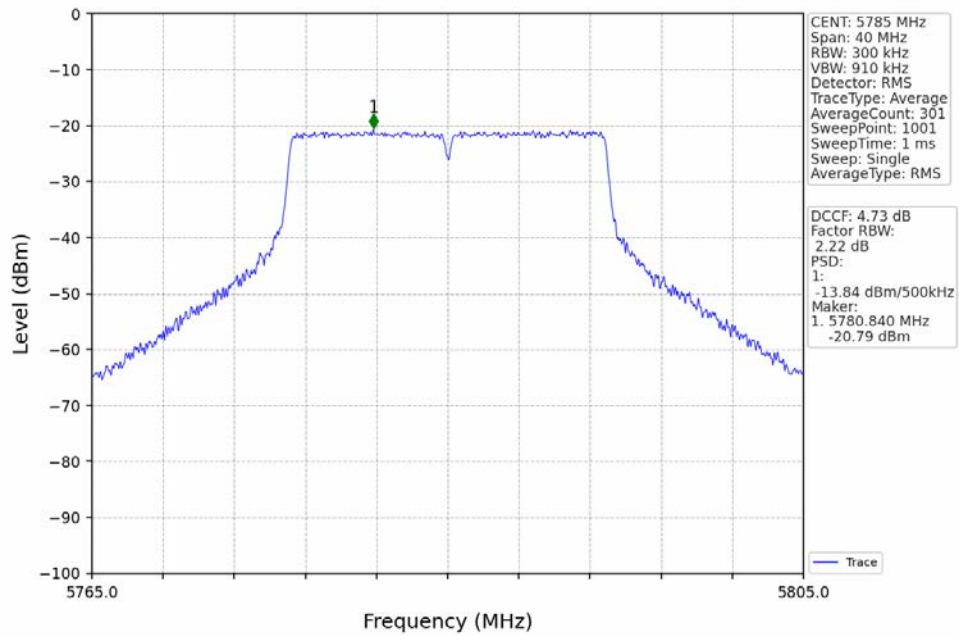
802.11a_HCH_5825MHz_Ant1_NTNV



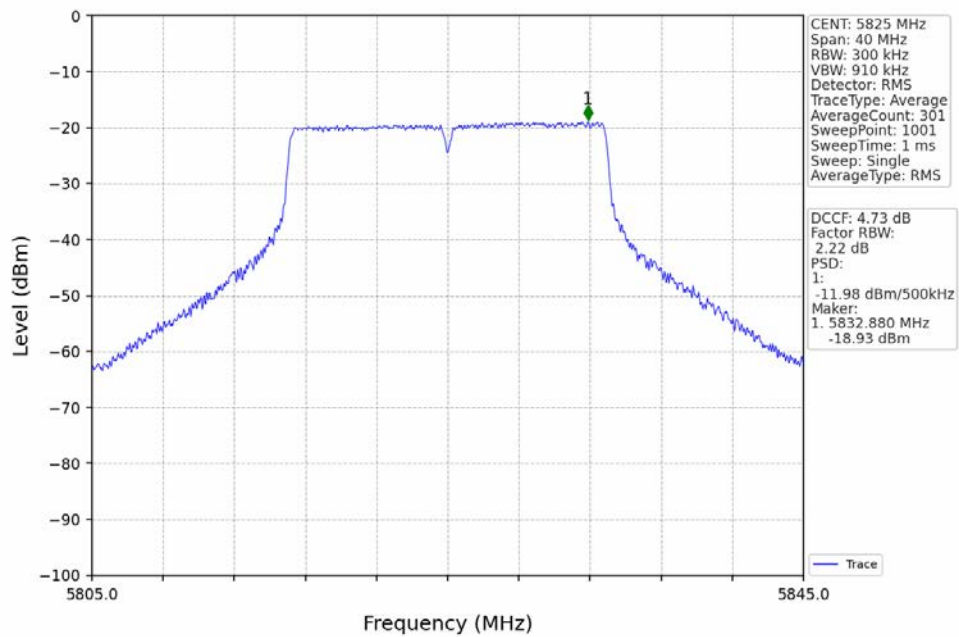
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



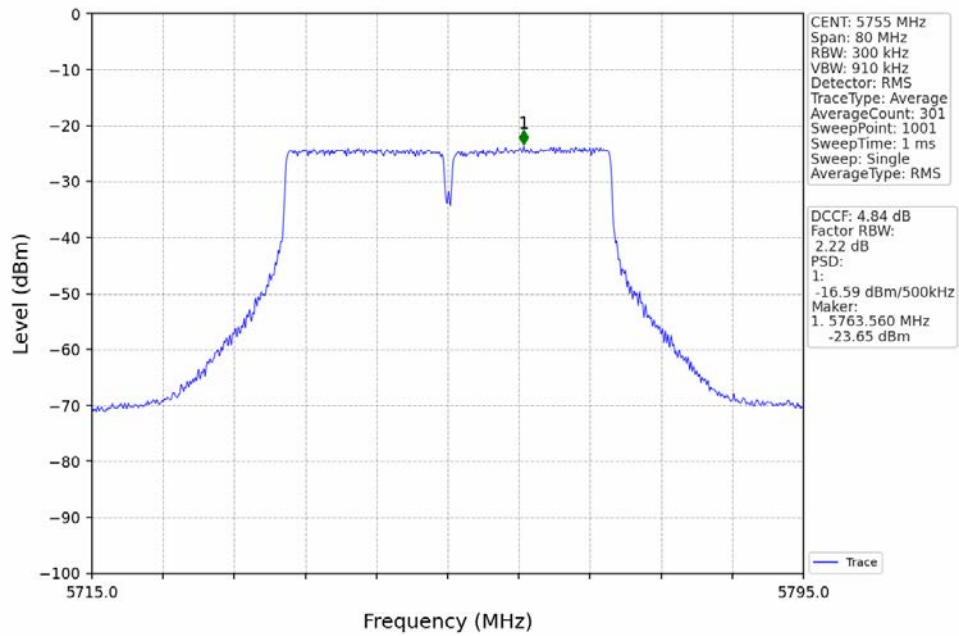
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



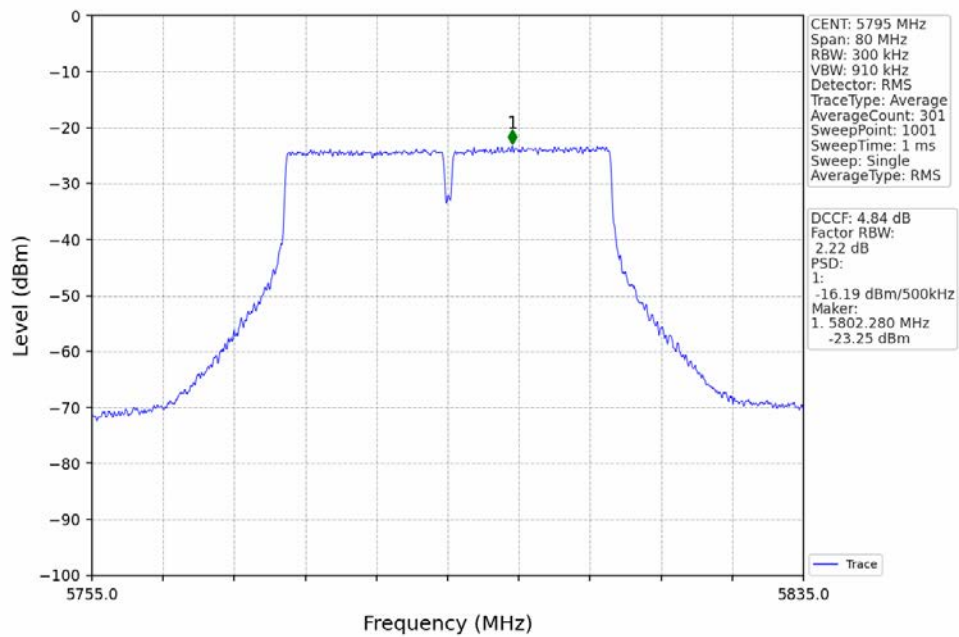
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



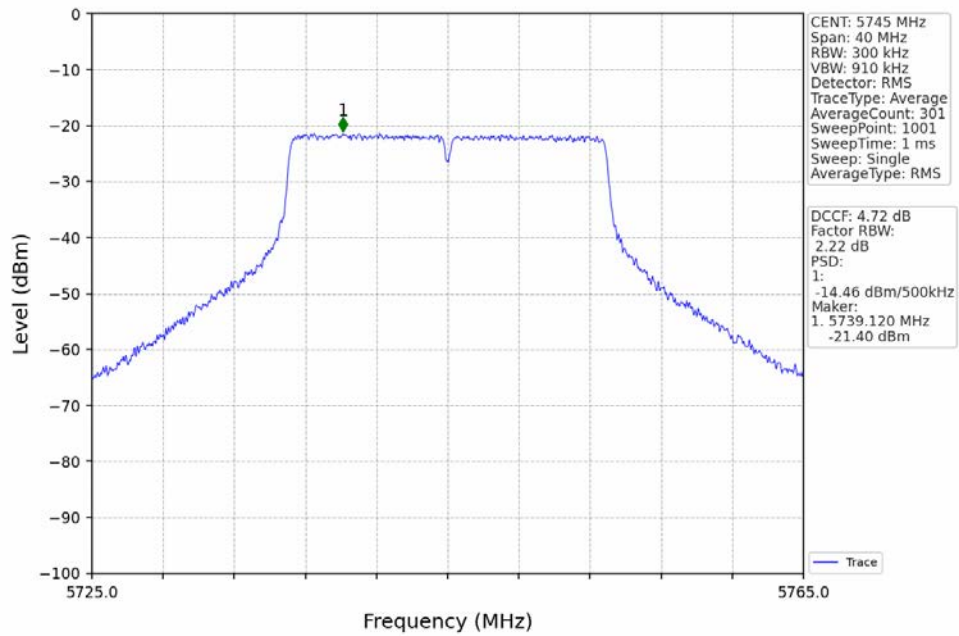
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



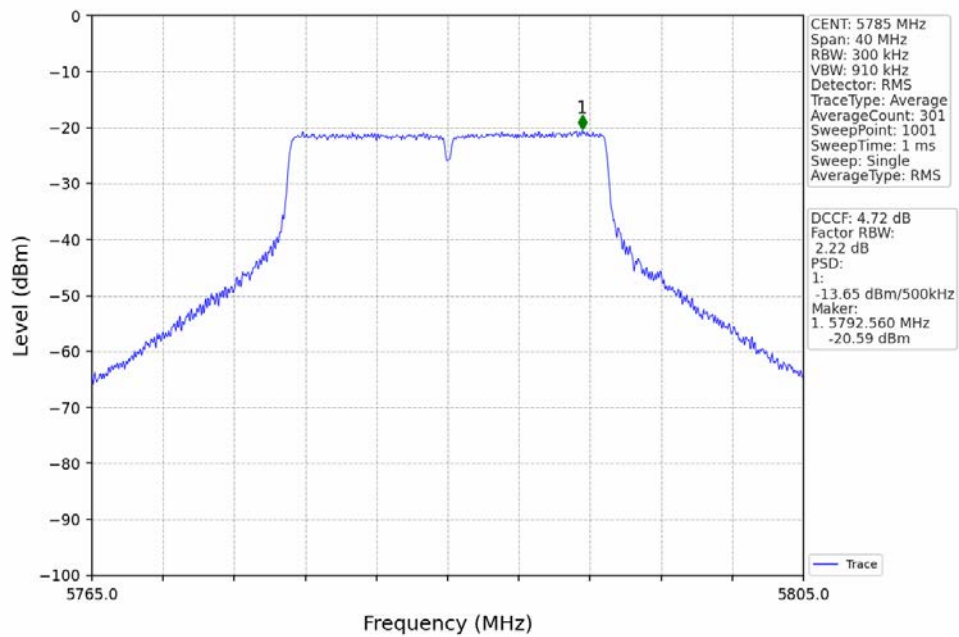
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



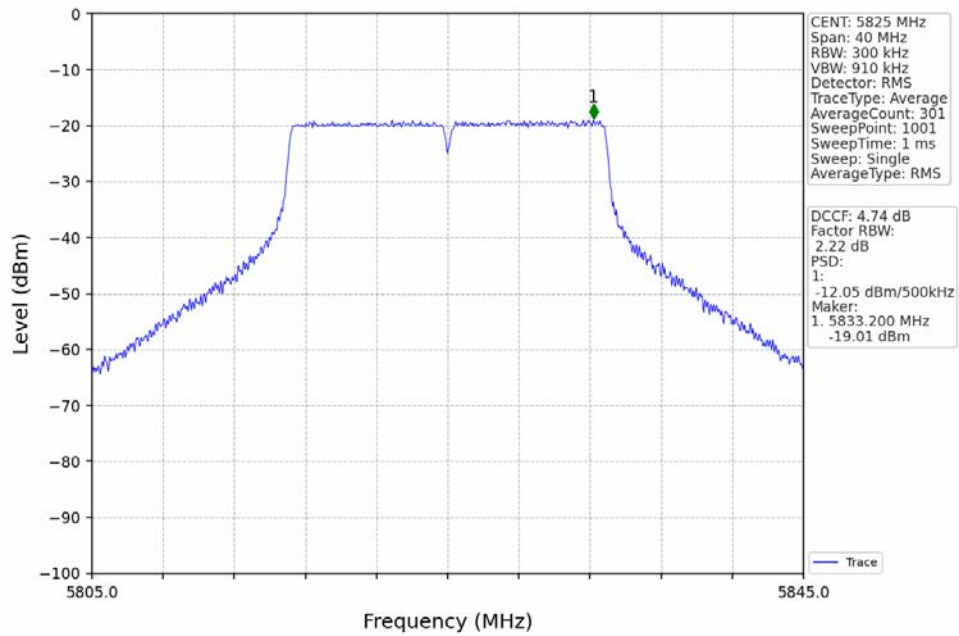
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



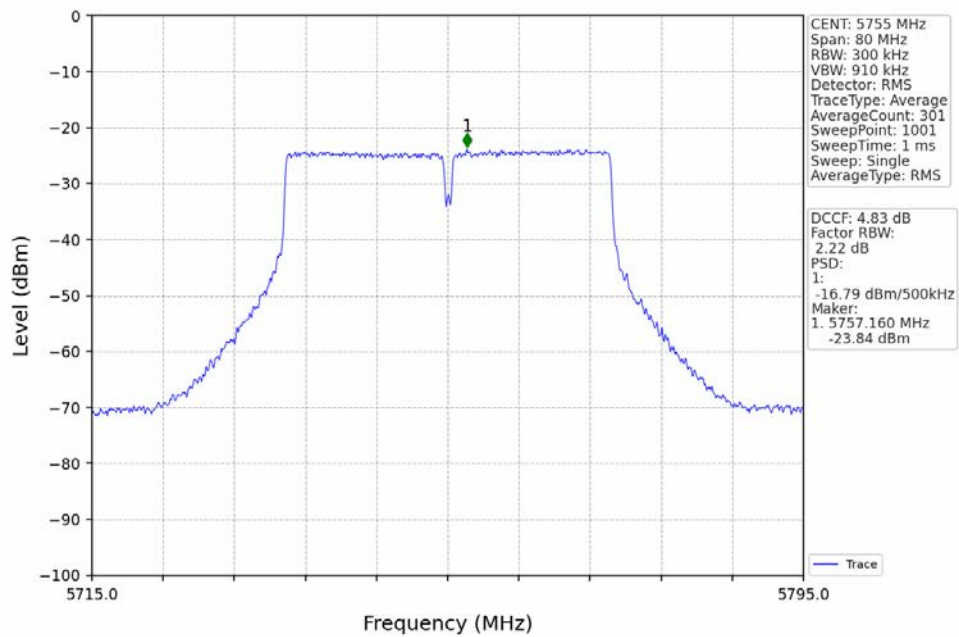
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



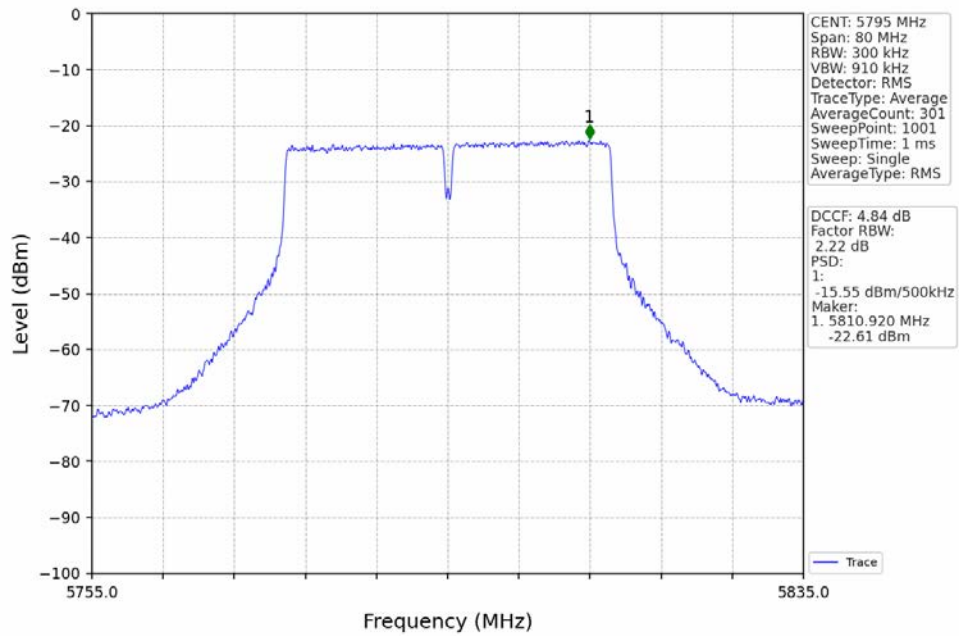
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



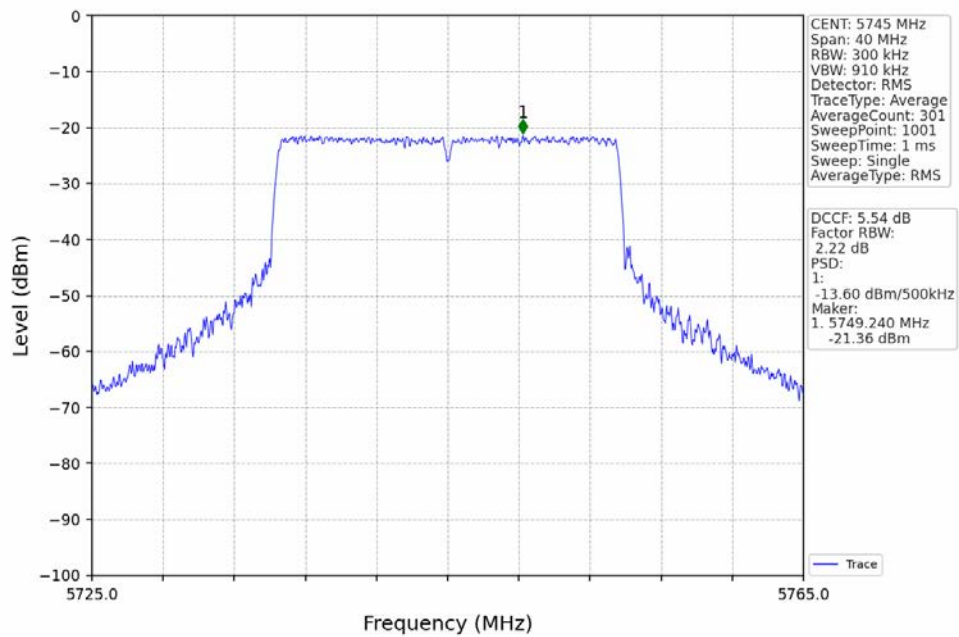
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



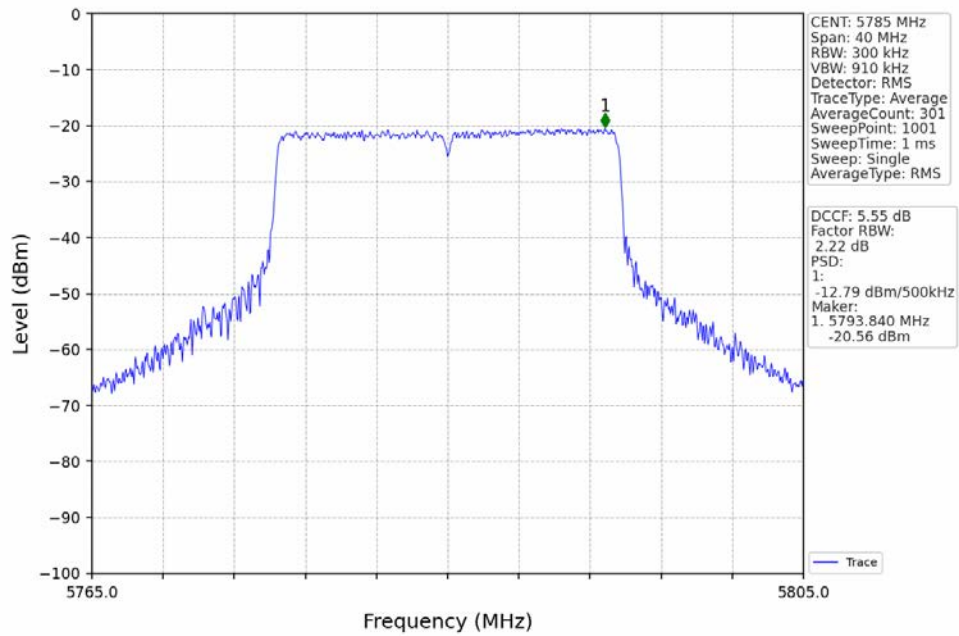
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



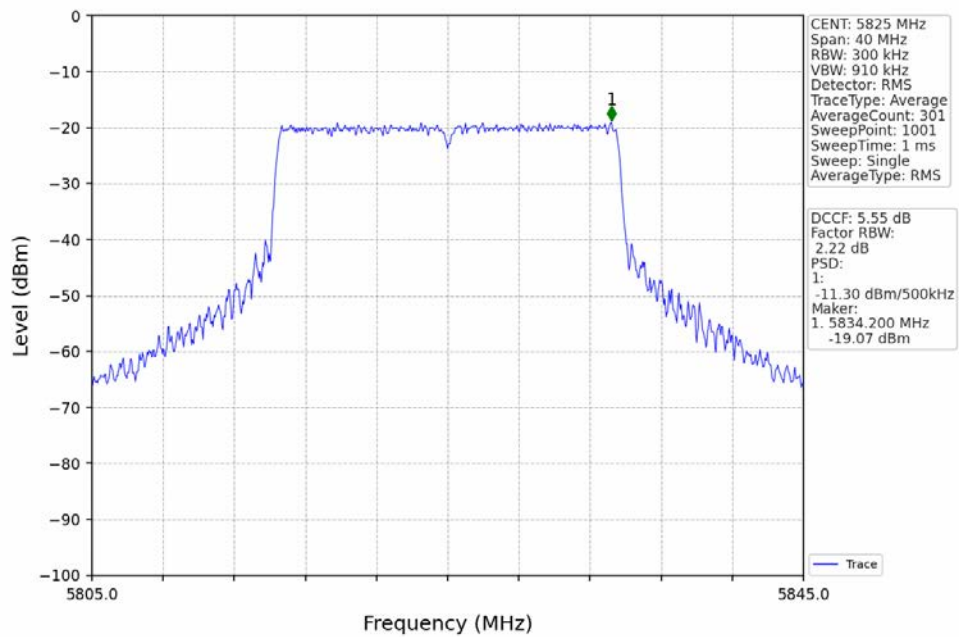
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



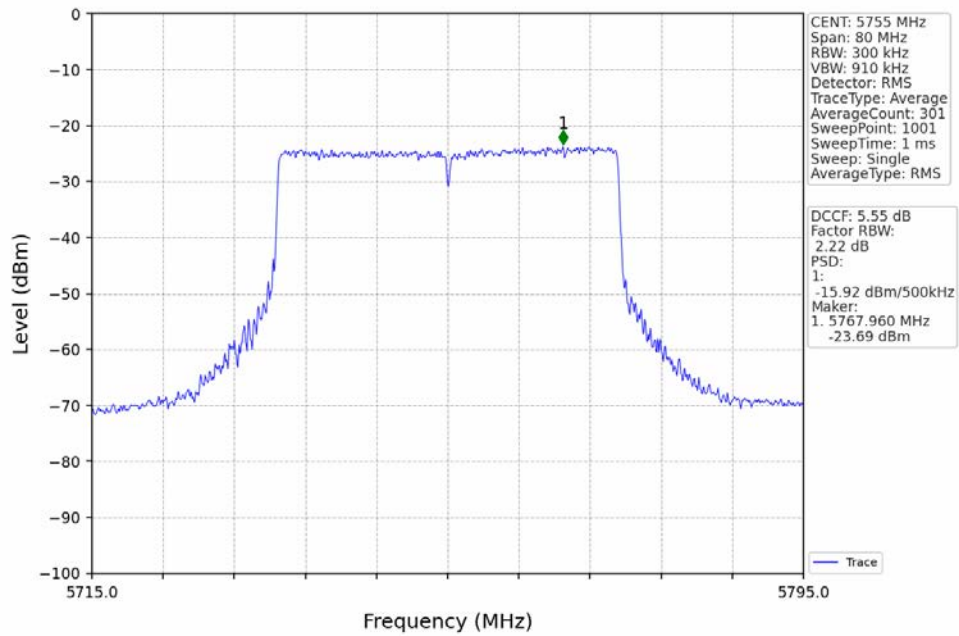
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



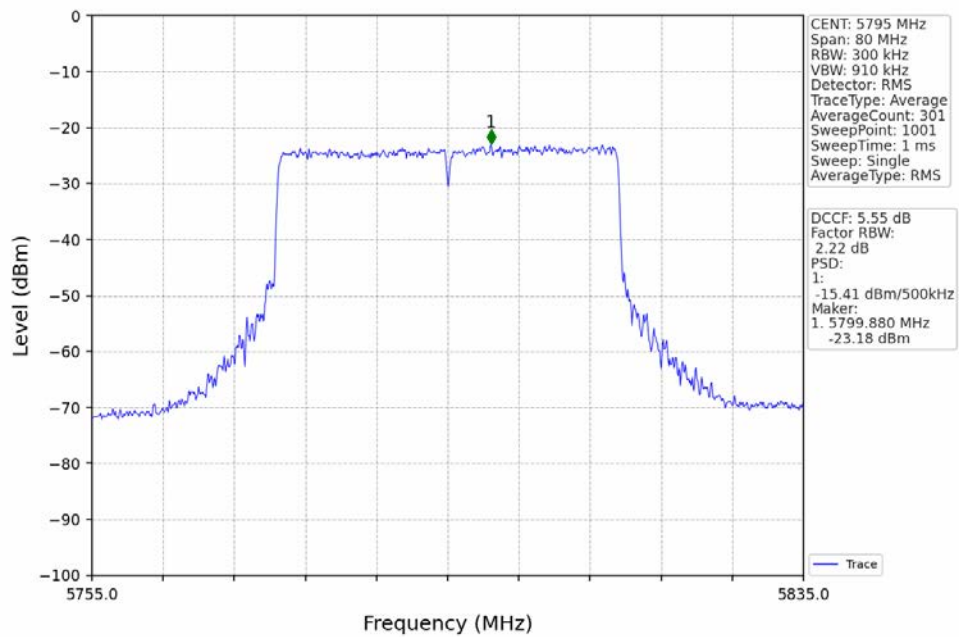
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

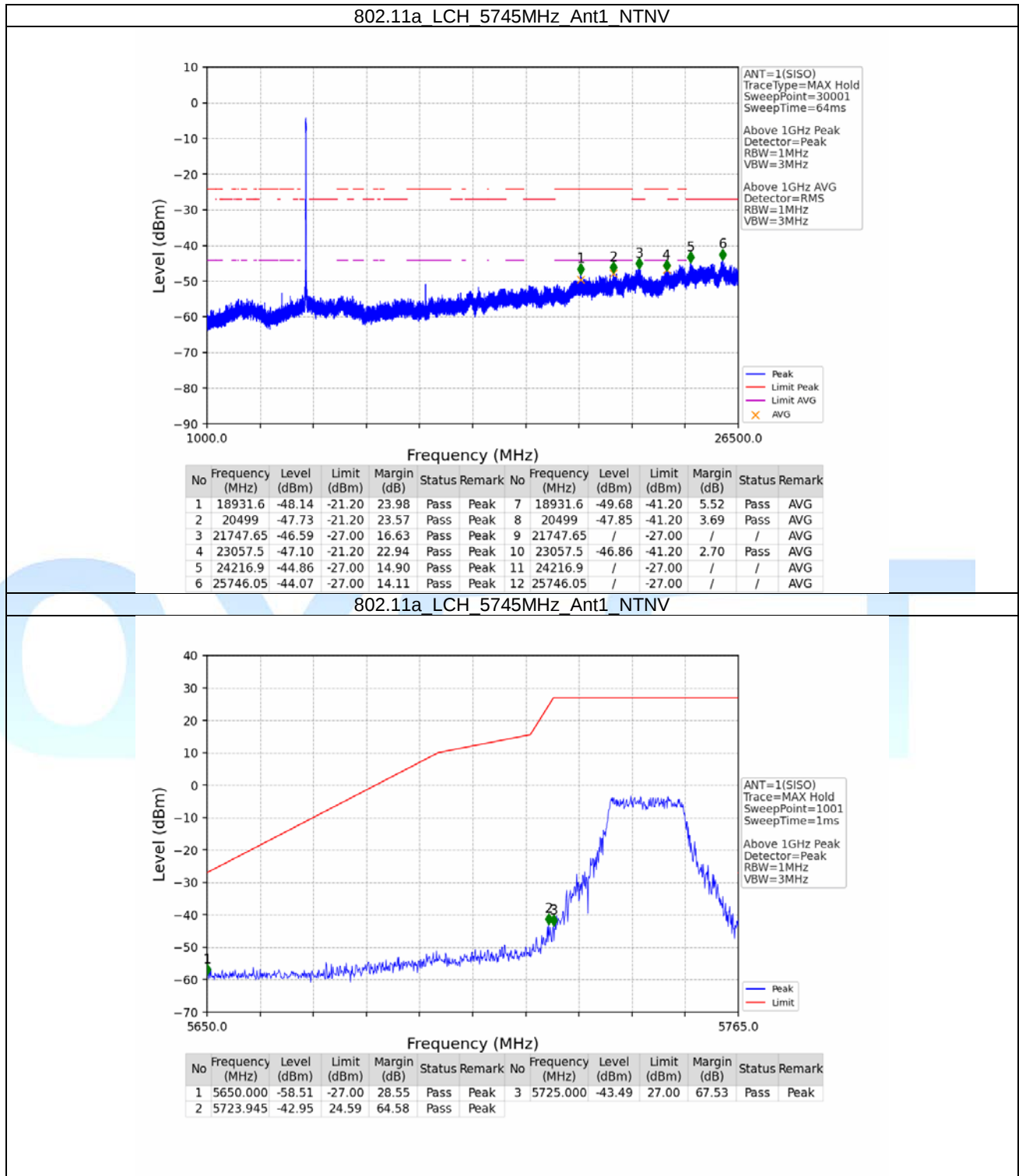
5.1 Test Result

5.1.1 RSE

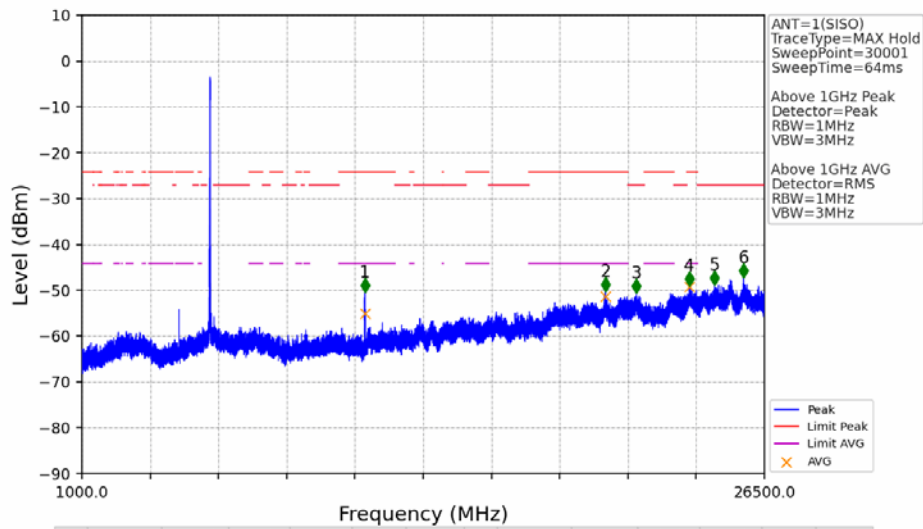
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	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
		5785	/	/	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	RU242	Left	1	Refer To Test Graph		Pass
		5785	RU242	Left	1	Refer To Test Graph		Pass
		5825	RU242	Left	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	Refer To Test Graph		Pass
		5795	RU484	Left	1	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 RSE

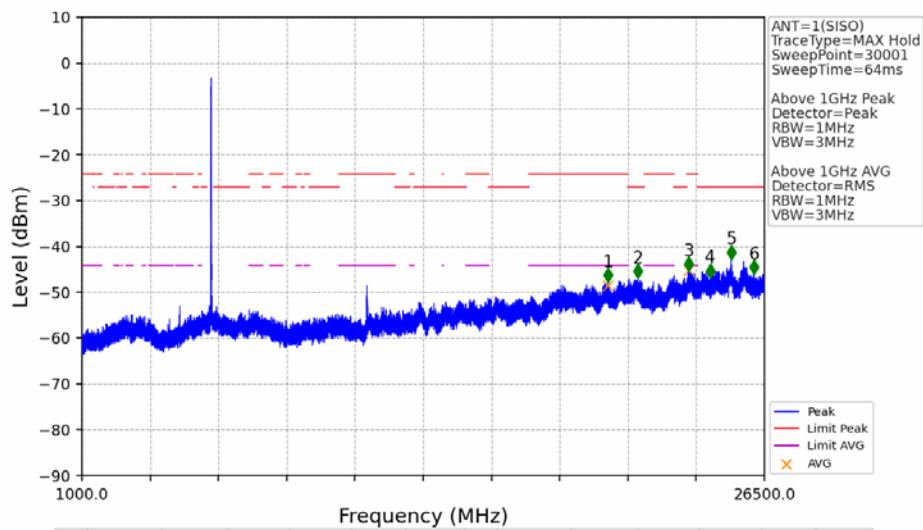


802.11a_MCH_5785MHz_Ant1_NTNV



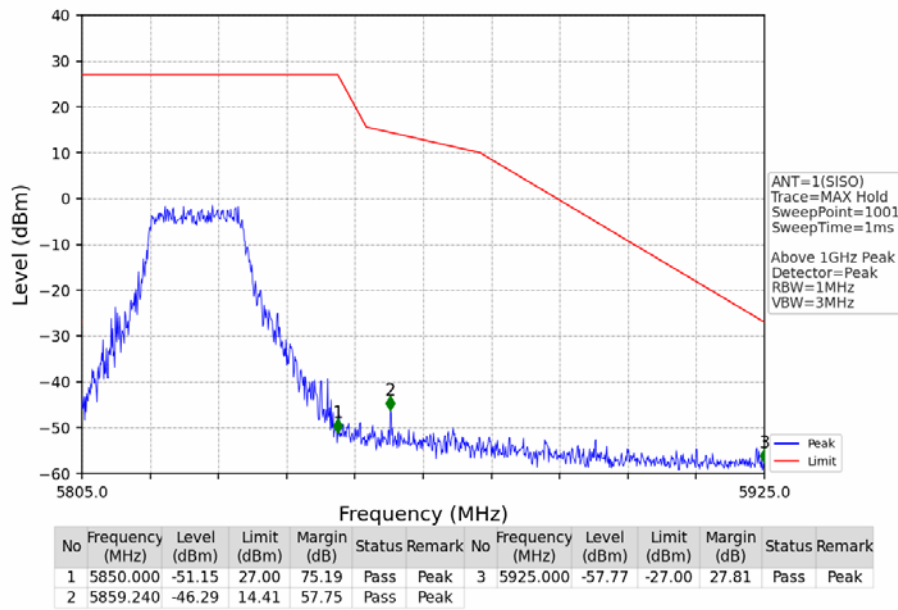
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	11571.45	-50.48	-21.20	26.32	Pass Peak	7	11571.45	-55.11	-41.20	10.95	Pass AVG
2	20556.8	-50.35	-21.20	26.19	Pass Peak	8	20556.8	-51.38	-41.20	7.22	Pass AVG
3	21720.45	-50.71	-27.00	20.75	Pass Peak	9	21720.45	/	-27.00	/	/ AVG
4	23695	-49.12	-21.20	24.96	Pass Peak	10	23695	-49.22	-41.20	5.06	Pass AVG
5	24641.05	-48.89	-27.00	18.93	Pass Peak	11	24641.05	/	-27.00	/	/ AVG
6	25723.95	-47.36	-27.00	17.40	Pass Peak	12	25723.95	/	-27.00	/	/ AVG

802.11a_HCH_5825MHz_Ant1_NTNV

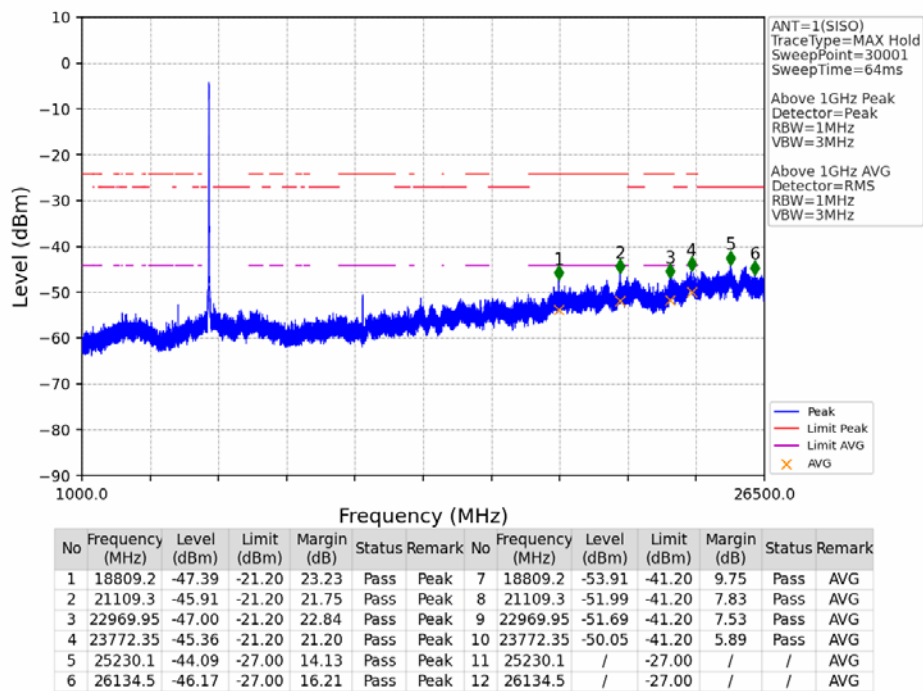


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status Remark
1	20662.2	-47.85	-21.20	23.69	Pass Peak	7	20662.2	-48.63	-41.20	4.47	Pass AVG
2	21780.8	-46.91	-27.00	16.95	Pass Peak	8	21780.8	/	-27.00	/	/ AVG
3	23681.4	-45.45	-21.20	21.29	Pass Peak	9	23681.4	-45.26	-41.20	1.10	Pass AVG
4	24471.05	-46.88	-27.00	16.92	Pass Peak	10	24471.05	/	-27.00	/	/ AVG
5	25253.9	-42.83	-27.00	12.87	Pass Peak	11	25253.9	/	-27.00	/	/ AVG
6	26103.05	-46.15	-27.00	16.18	Pass Peak	12	26103.05	/	-27.00	/	/ AVG

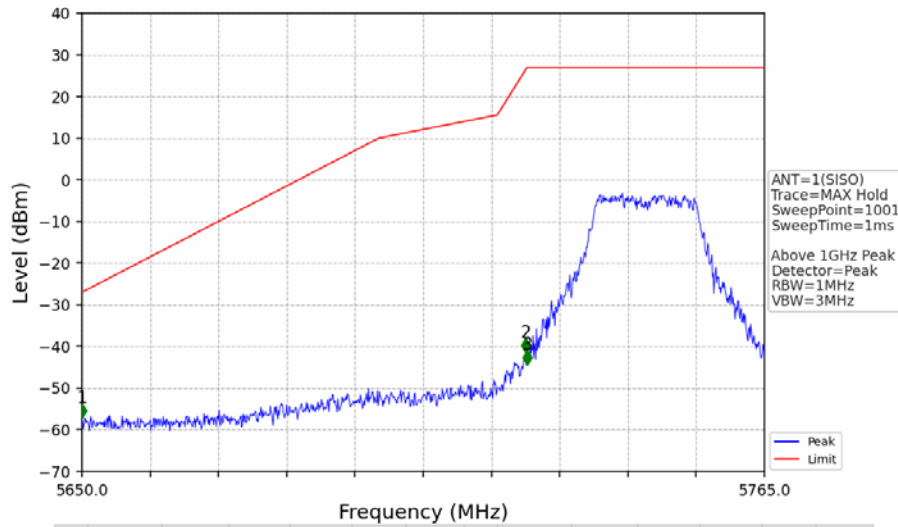
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20) LCH_5745MHz_Ant1_NTNV



802.11n(HT20) MCH_5785MHz_Ant1_NTNV

