



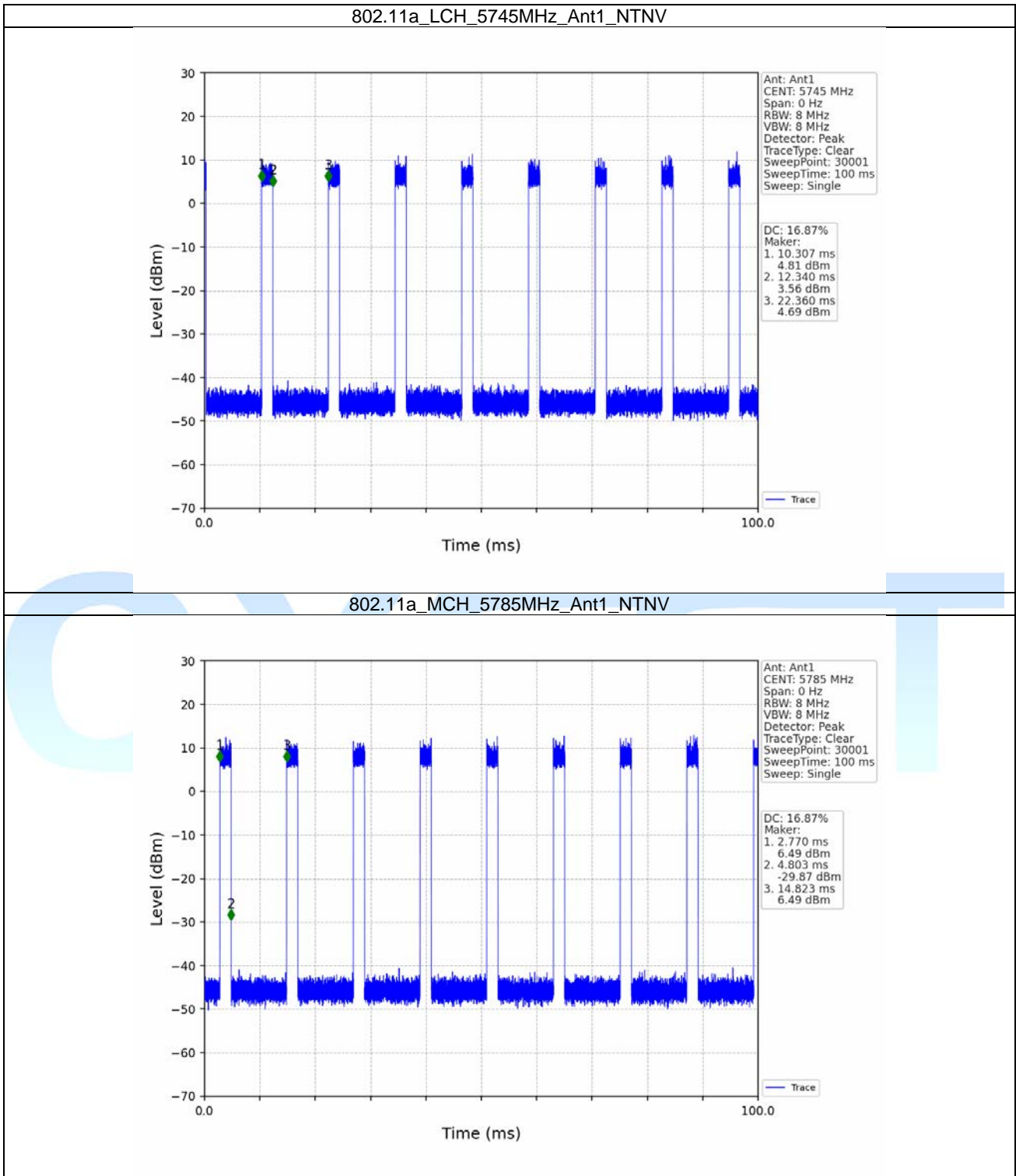
# 1. Duty Cycle

## 1.1 Ant1

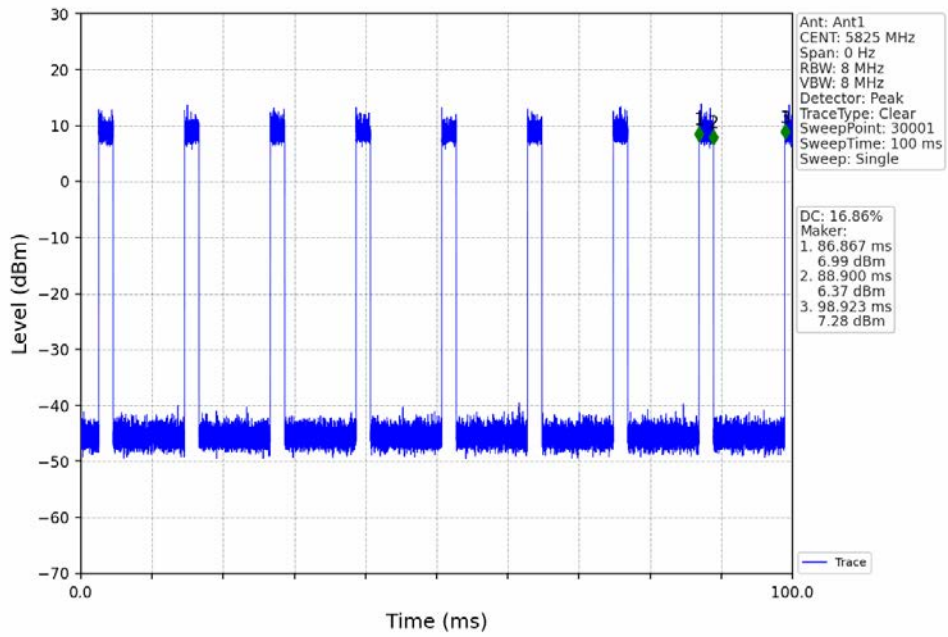
### 1.1.1 Test Result

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	/	/	2.033	12.053	16.87	7.73	0.00
		5785	/	/	2.033	12.053	16.87	7.73	0.03
		5825	/	/	2.033	12.056	16.86	7.73	0.03
802.11n (HT20)	SISO	5745	/	/	1.893	11.913	15.89	7.99	0.03
		5785	/	/	1.893	11.916	15.89	7.99	0.03
		5825	/	/	1.894	11.917	15.89	7.99	0.01
802.11n (HT40)	SISO	5755	/	/	0.930	10.953	8.49	10.71	0.03
		5795	/	/	0.934	10.954	8.53	10.69	0.00
802.11ac (VHT20)	SISO	5745	/	/	1.900	11.920	15.94	7.98	0.03
		5785	/	/	1.900	11.920	15.94	7.98	0.03
		5825	/	/	1.903	11.923	15.96	7.97	0.00
802.11ac (VHT40)	SISO	5755	/	/	0.936	10.956	8.54	10.68	0.03
		5795	/	/	0.937	10.957	8.55	10.68	0.03
802.11ax (HEW20)	SISO	5745	RU242	Left	1.463	11.483	12.74	8.95	0.03
		5785	RU242	Left	1.463	11.483	12.74	8.95	0.03
		5825	RU242	Left	1.463	11.483	12.74	8.95	0.03
802.11ax (HEW40)	SISO	5755	RU484	Left	0.763	10.780	7.08	11.50	0.03
		5795	RU484	Left	0.763	10.780	7.08	11.50	0.03

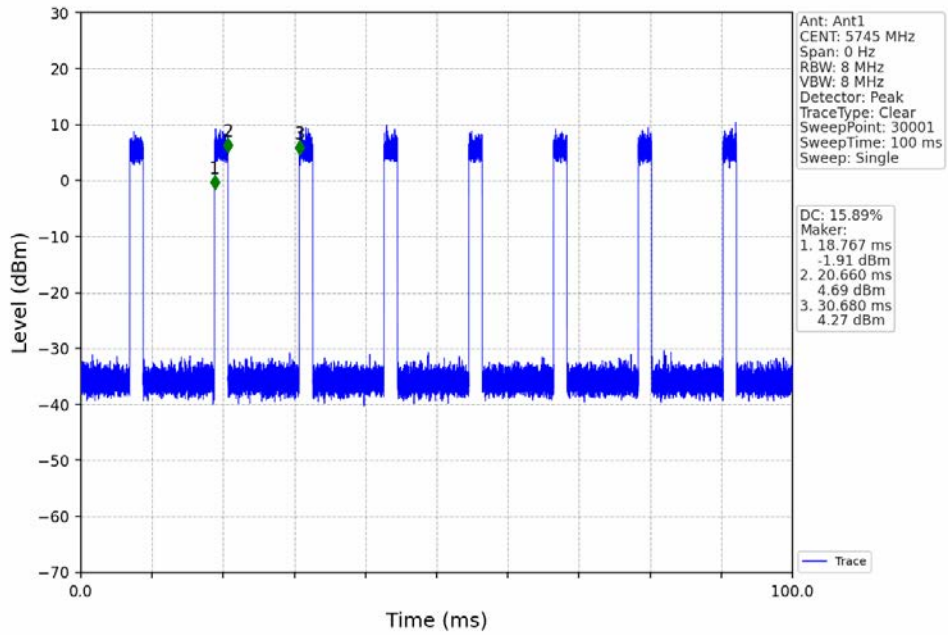
### 1.1.2 Test Graph



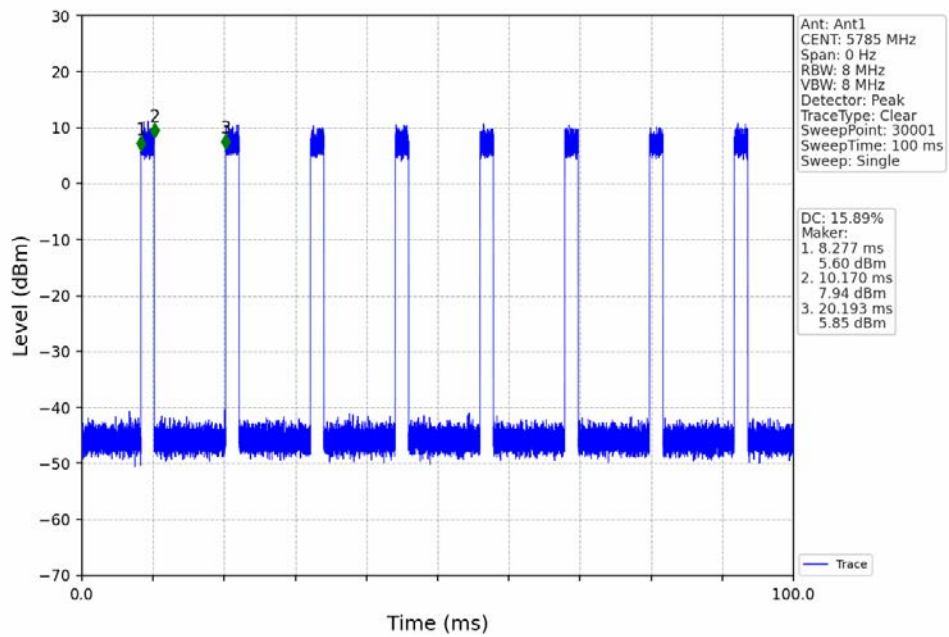
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



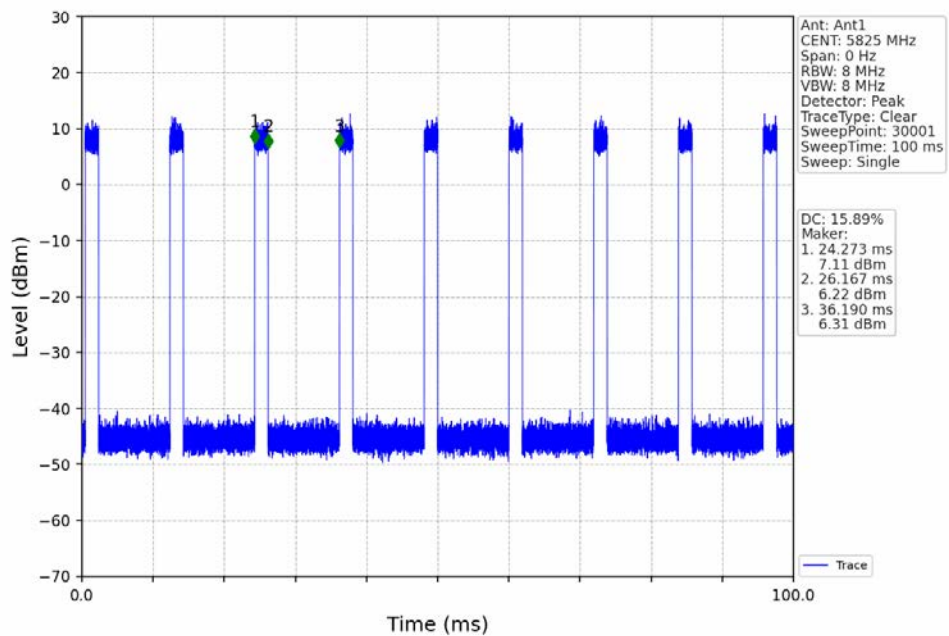
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



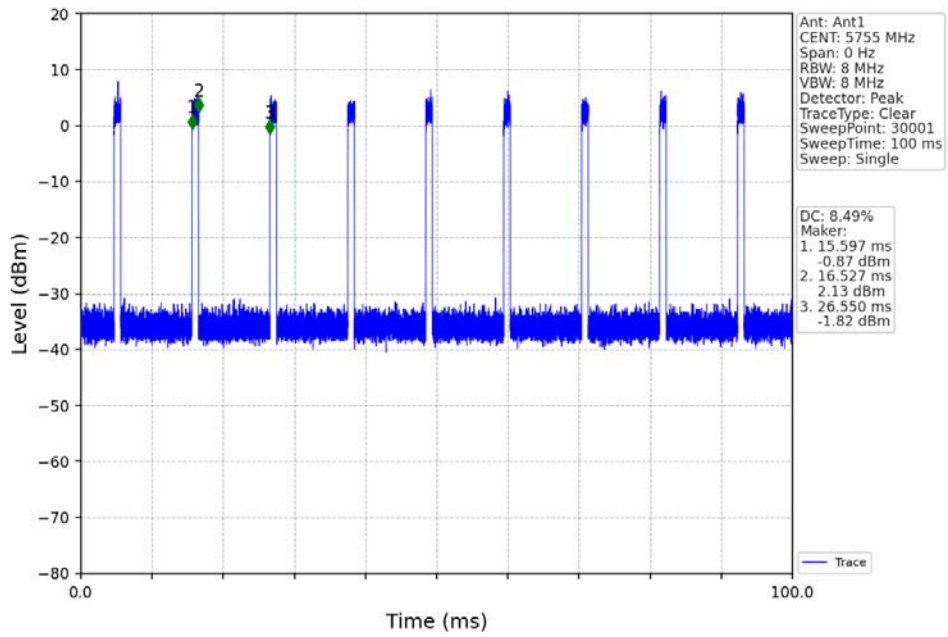
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



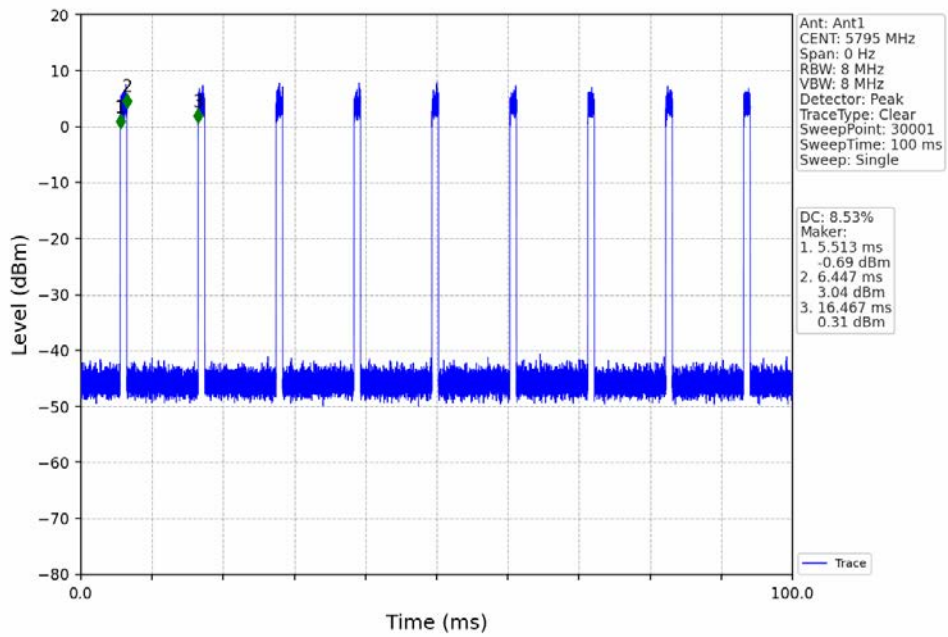
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



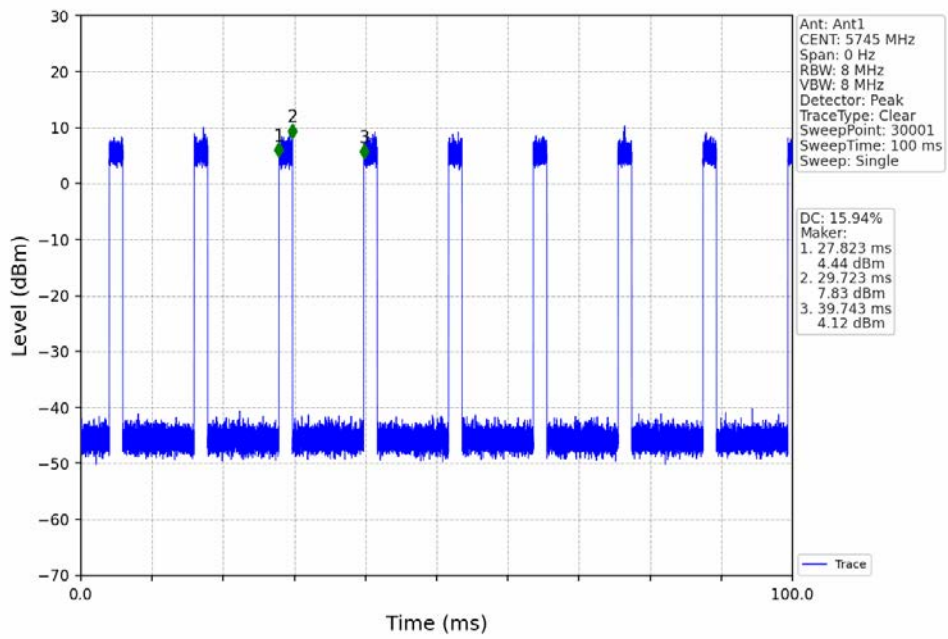
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



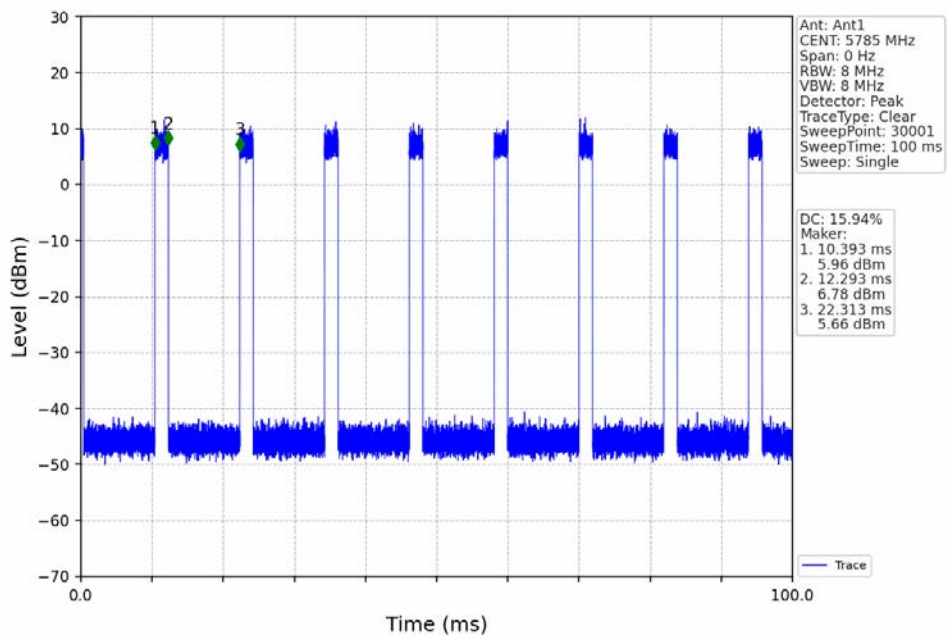
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



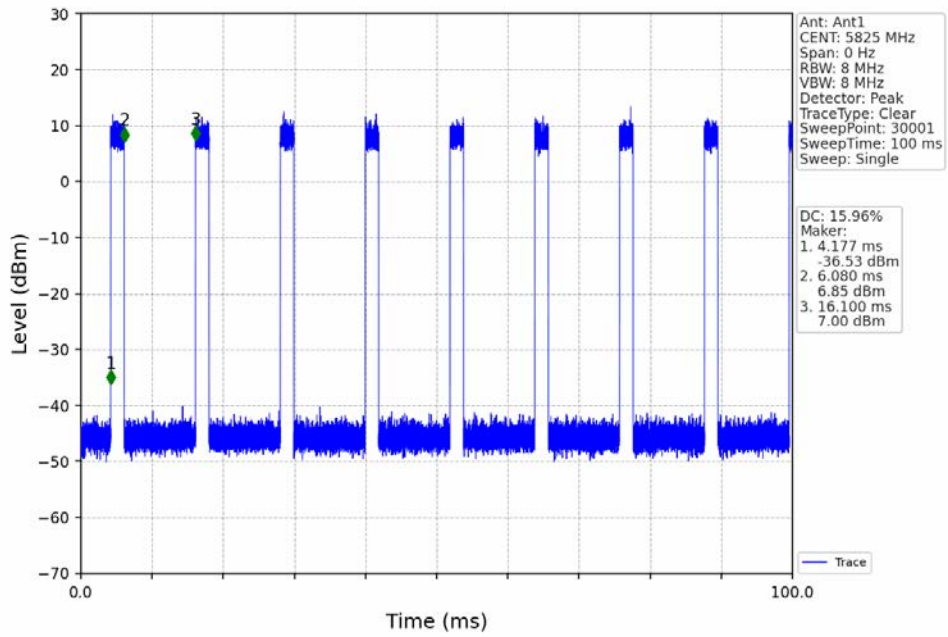
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



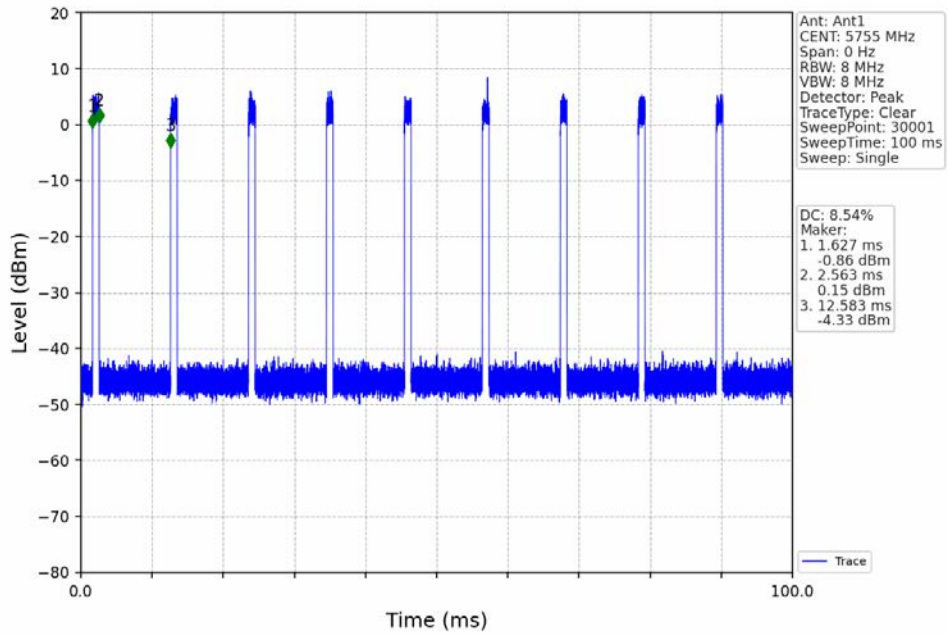
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



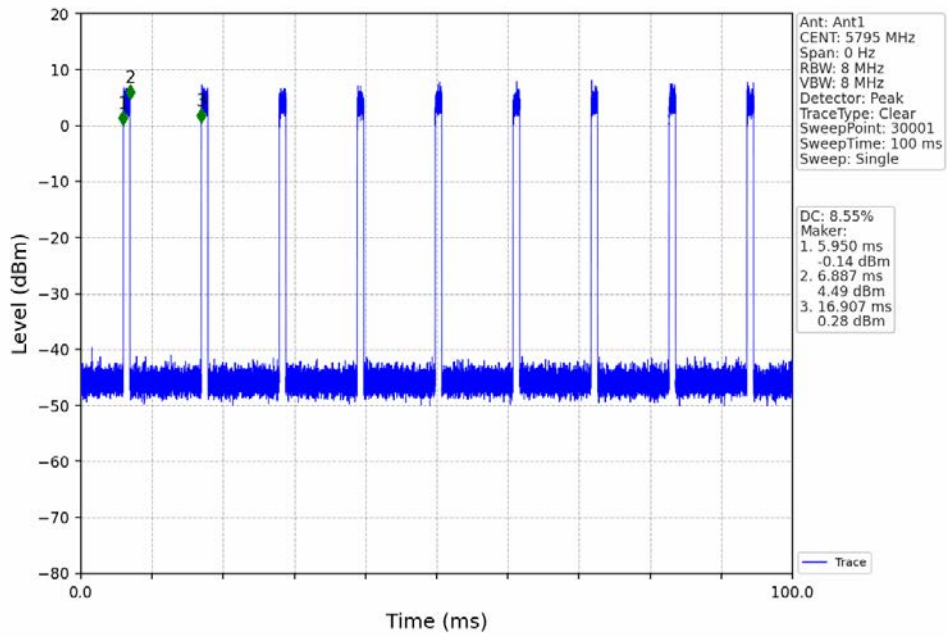
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



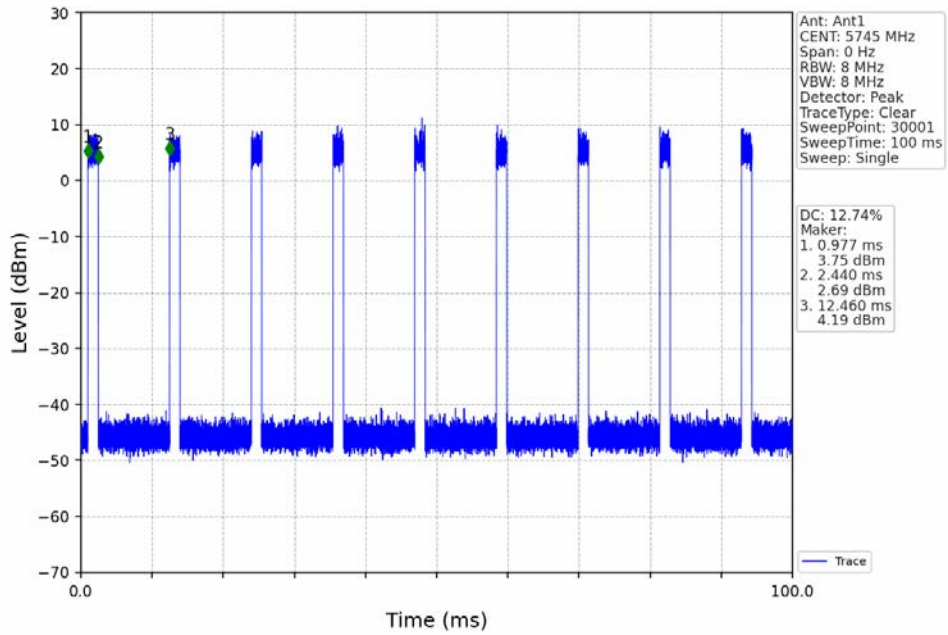
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV

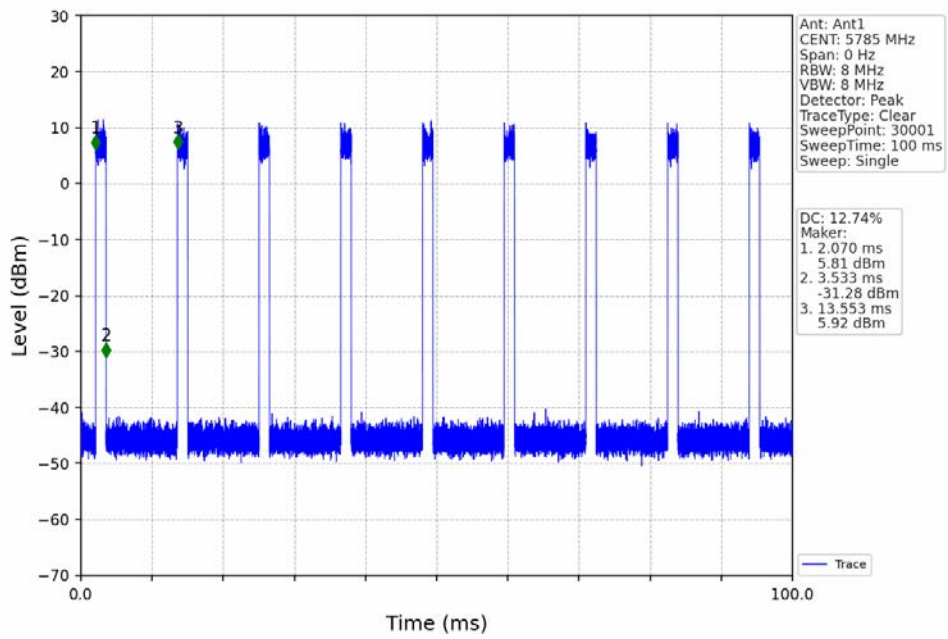


802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV

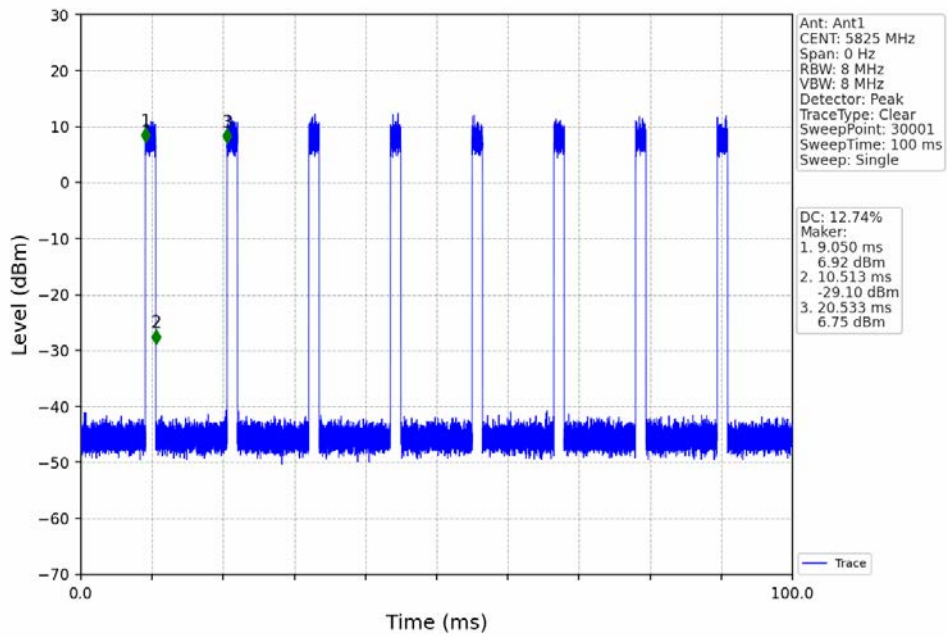




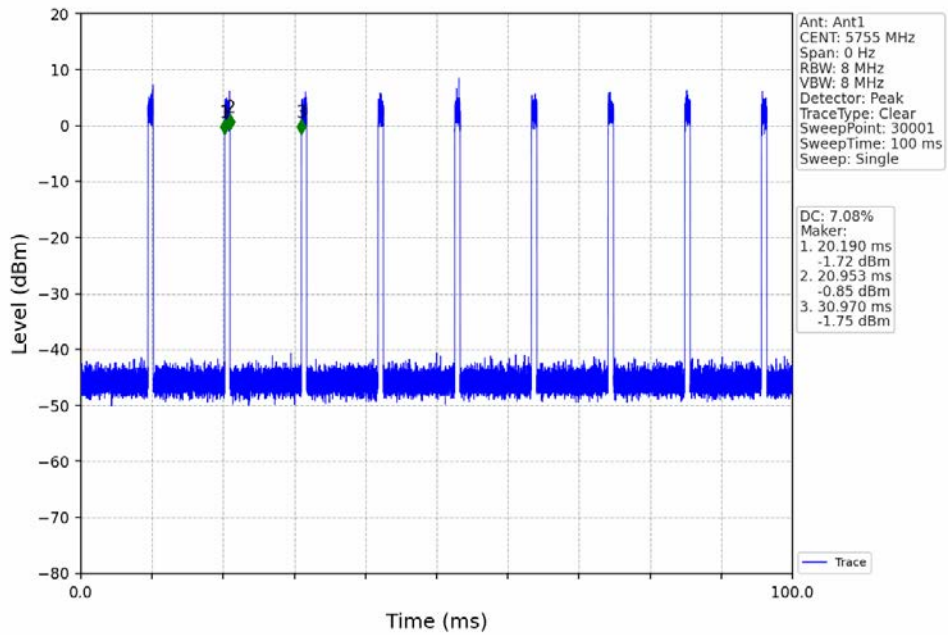
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



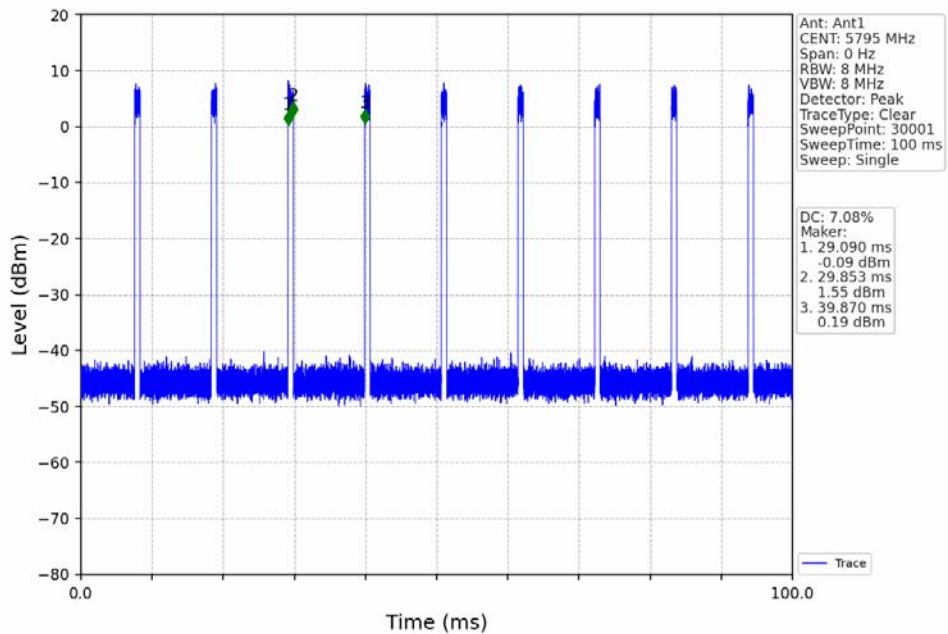
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV





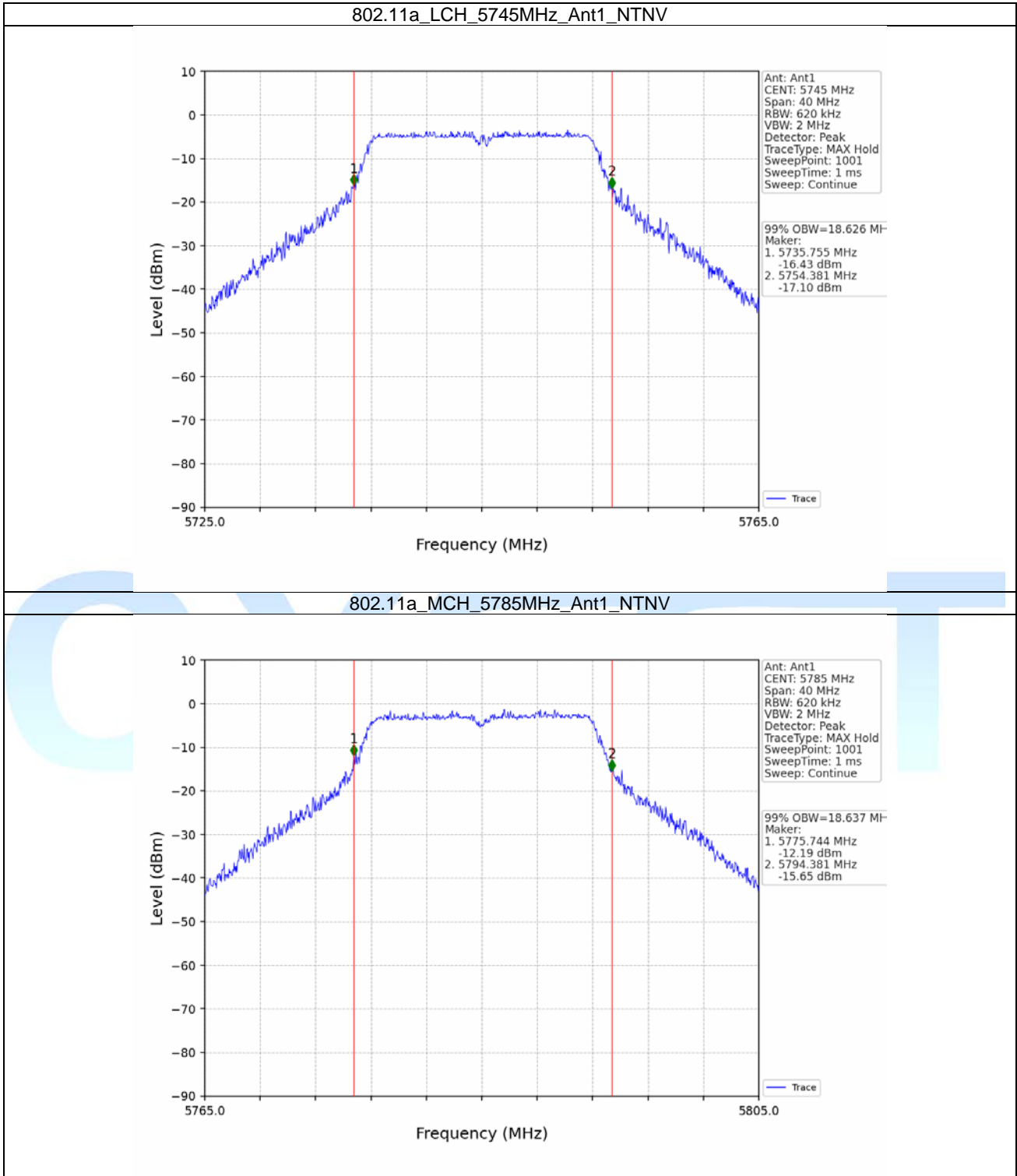
## 2. Bandwidth

### 2.1 OBW

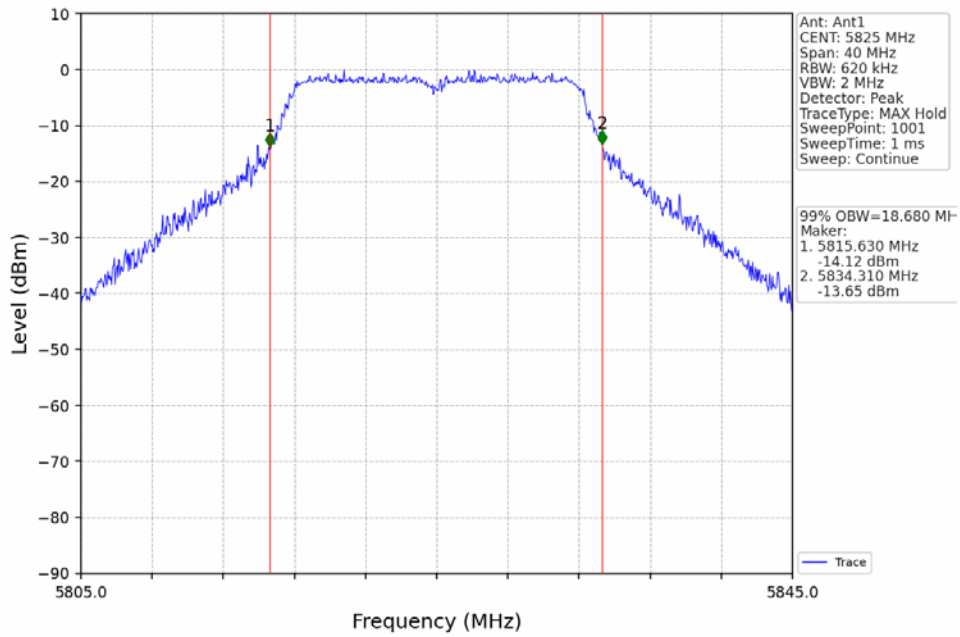
#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	18.626	/	Pass
		5785	/	/	1	18.637	/	Pass
		5825	/	/	1	18.680	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	19.758	/	Pass
		5785	/	/	1	19.570	/	Pass
		5825	/	/	1	19.760	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	37.656	/	Pass
		5795	/	/	1	37.739	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	19.814	/	Pass
		5785	/	/	1	19.766	/	Pass
		5825	/	/	1	19.574	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	38.072	/	Pass
		5795	/	/	1	37.962	/	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	20.083	/	Pass
		5785	RU242	Left	1	20.105	/	Pass
		5825	RU242	Left	1	19.980	/	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	39.036	/	Pass
		5795	RU484	Left	1	39.039	/	Pass

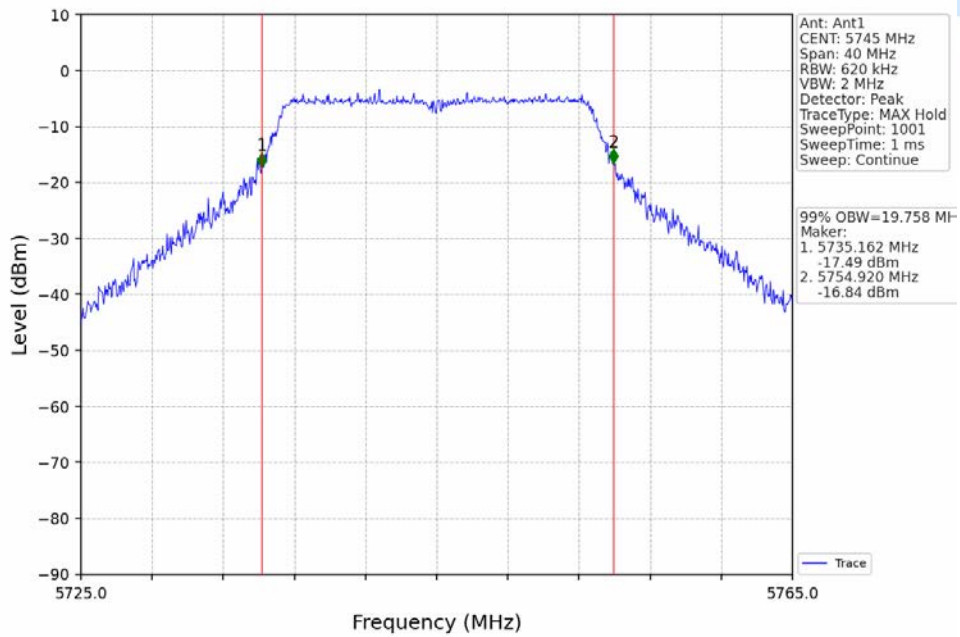
### 2.1.2 Test Graph



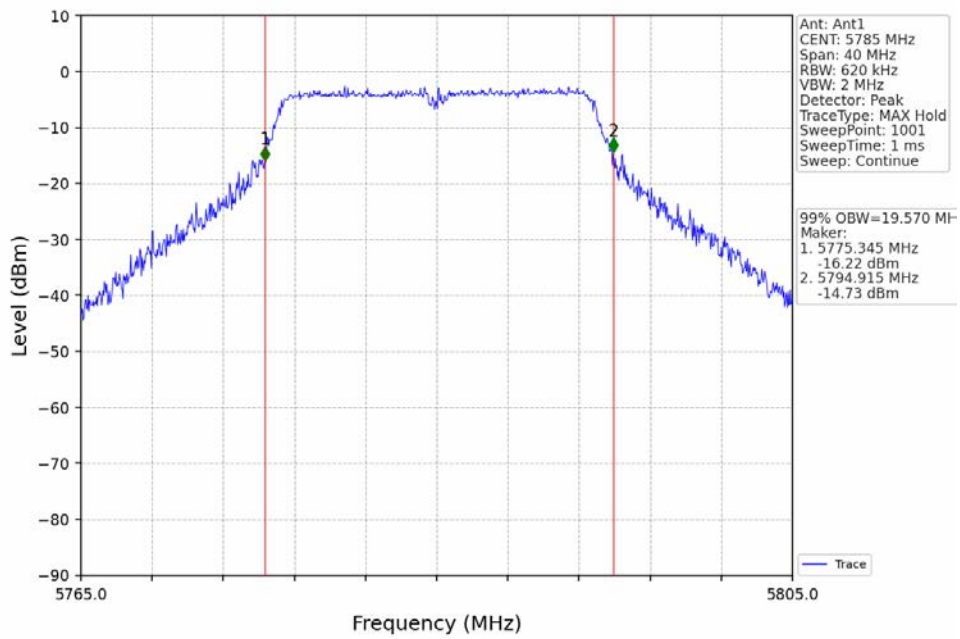
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



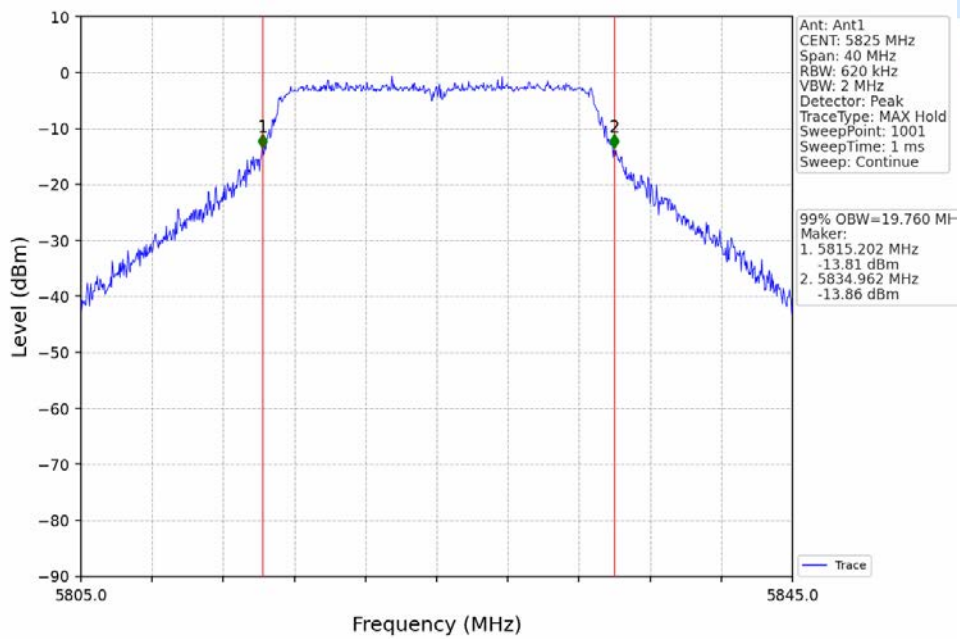
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



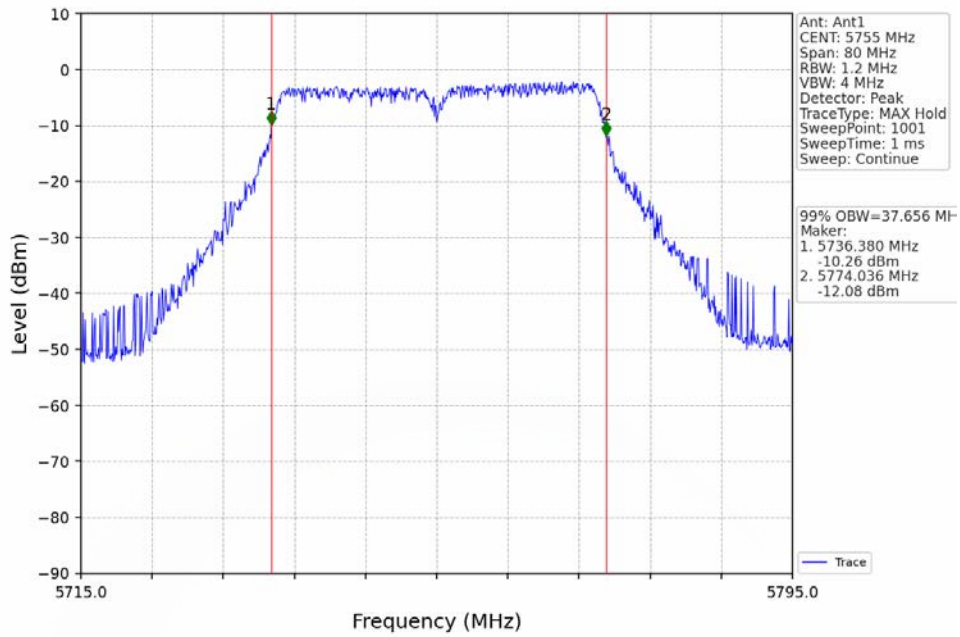
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



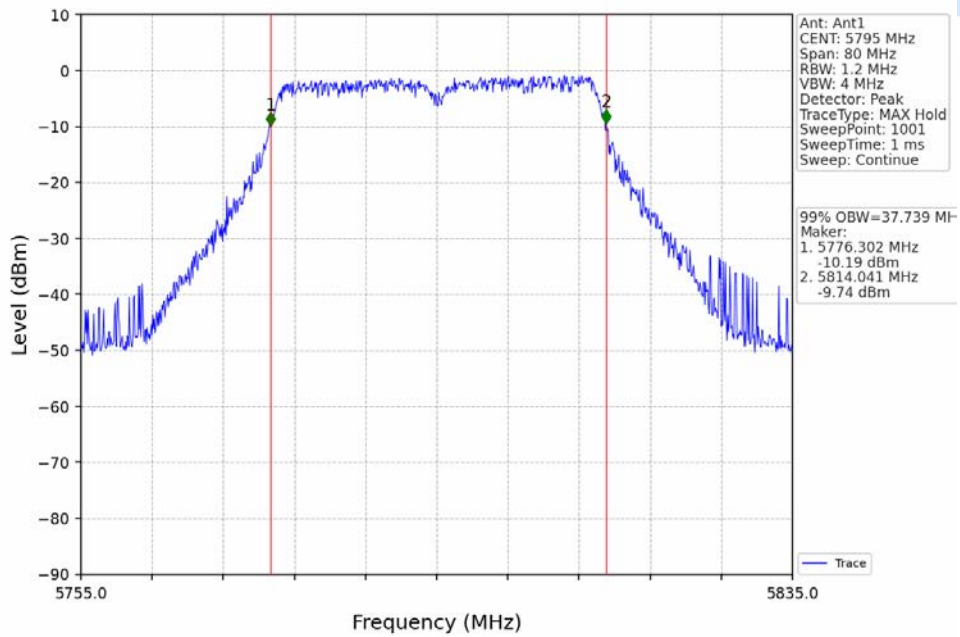
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



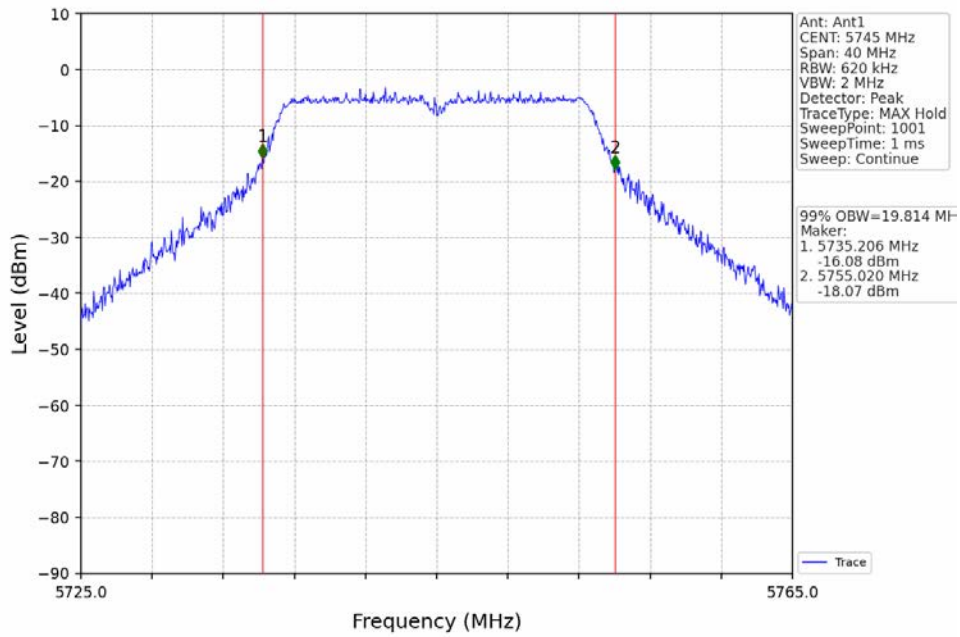
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



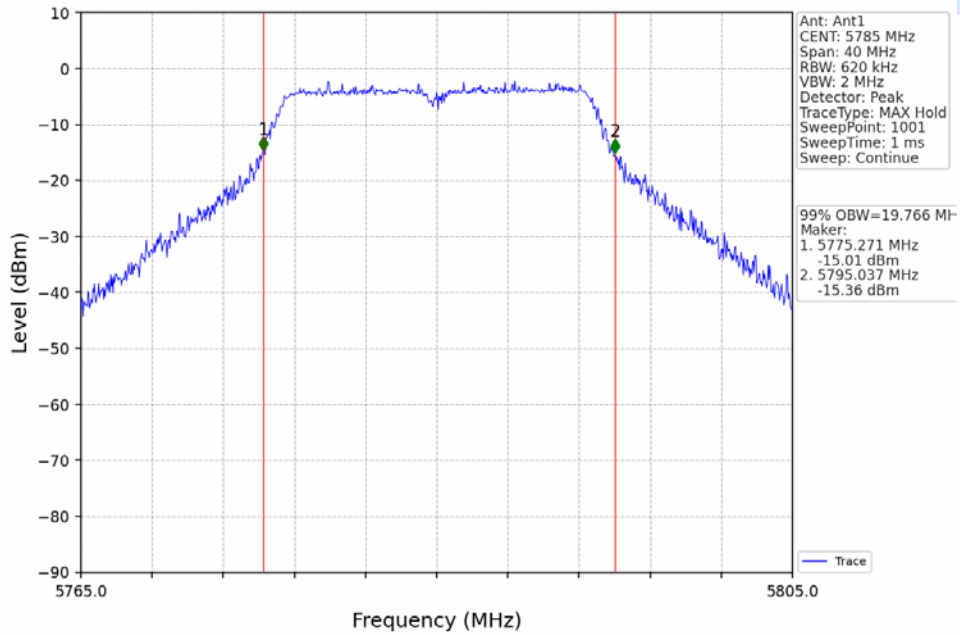
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV

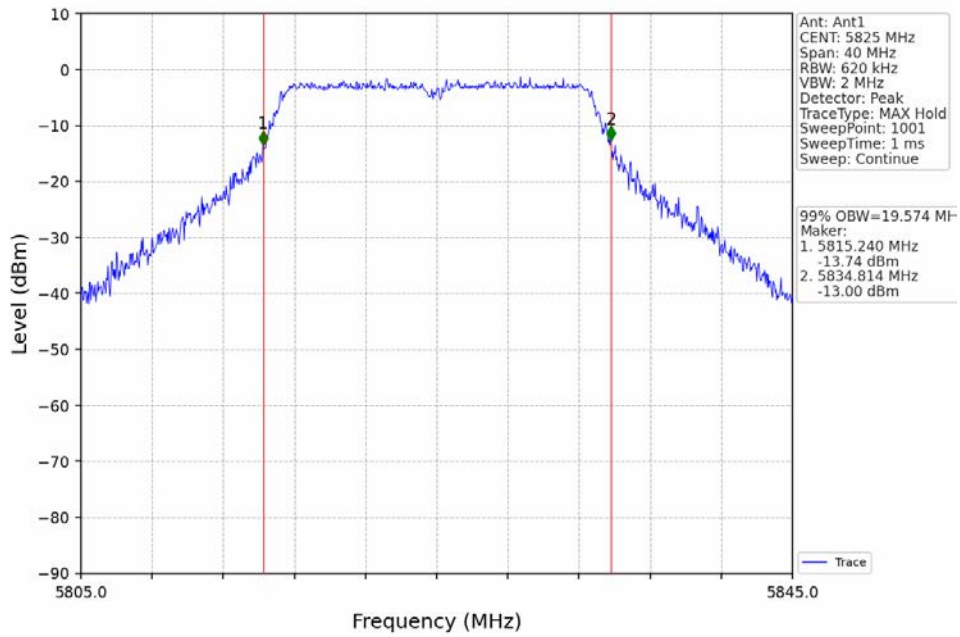


802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV

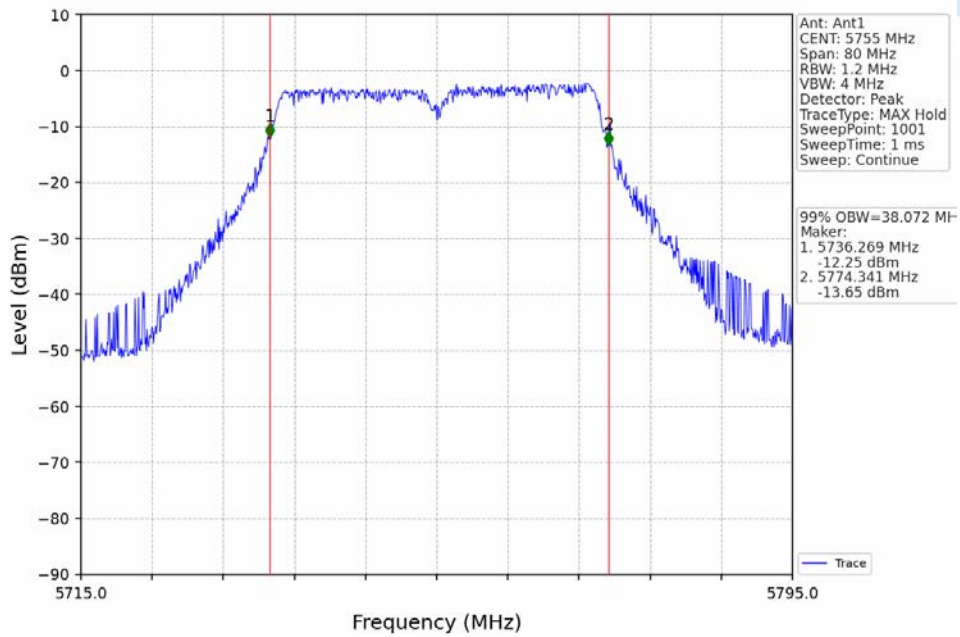




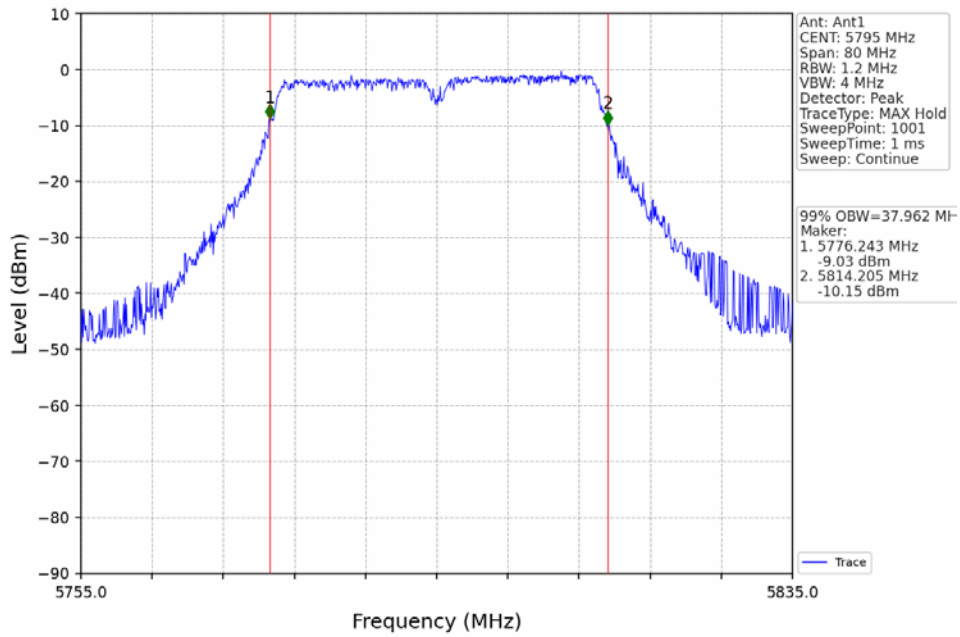
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



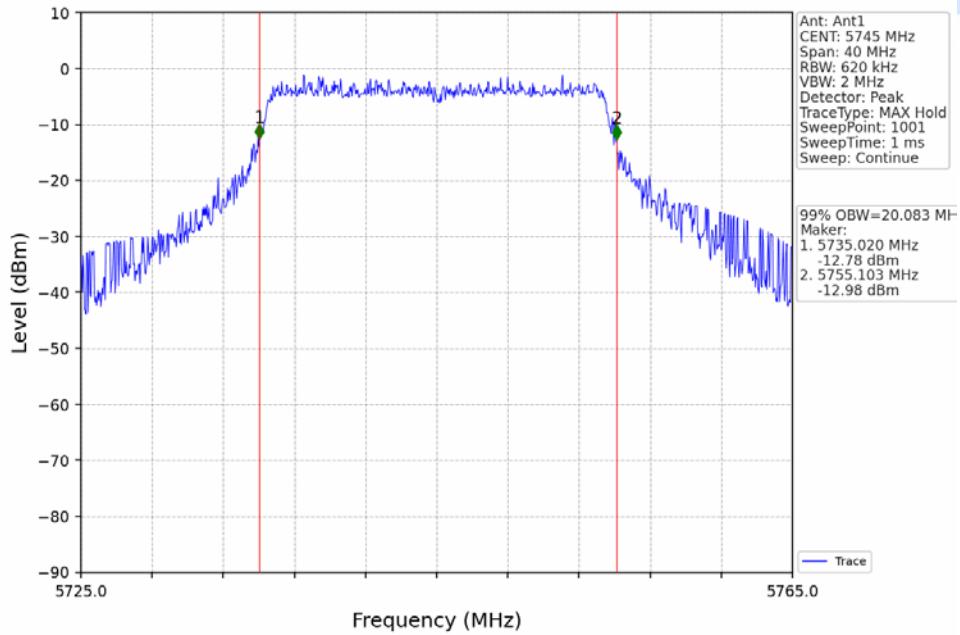
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



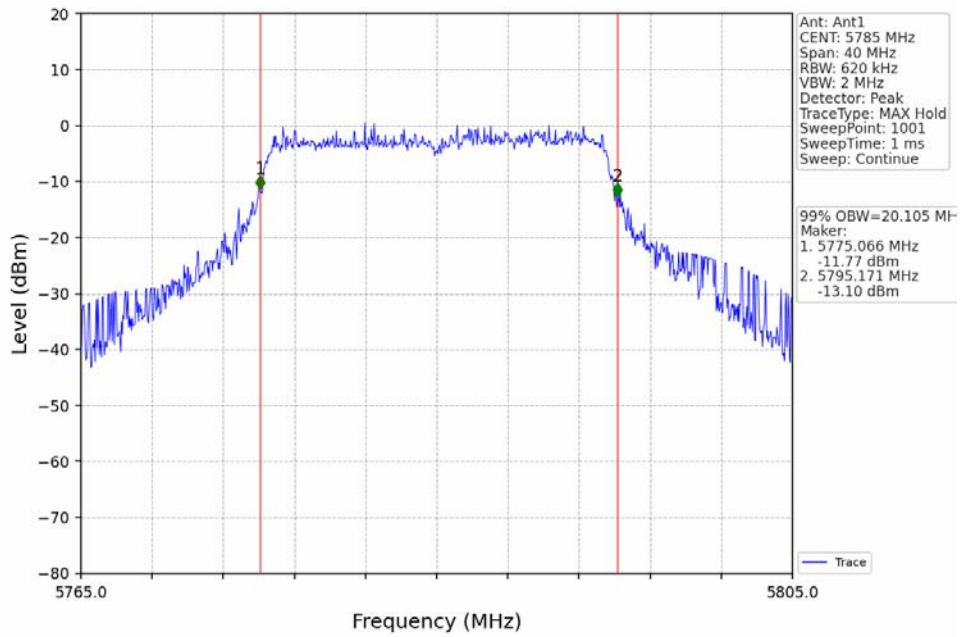
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



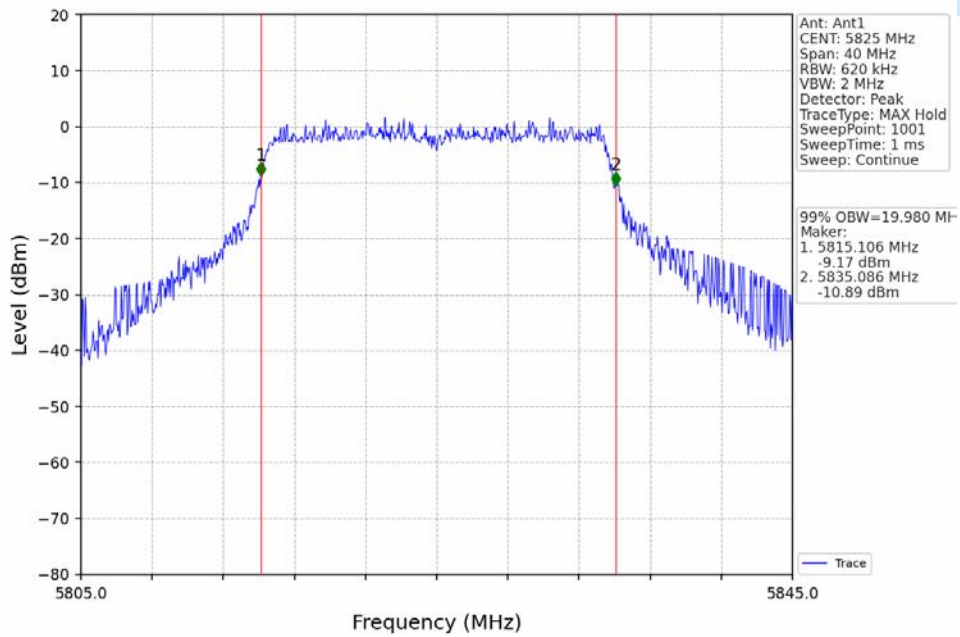
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



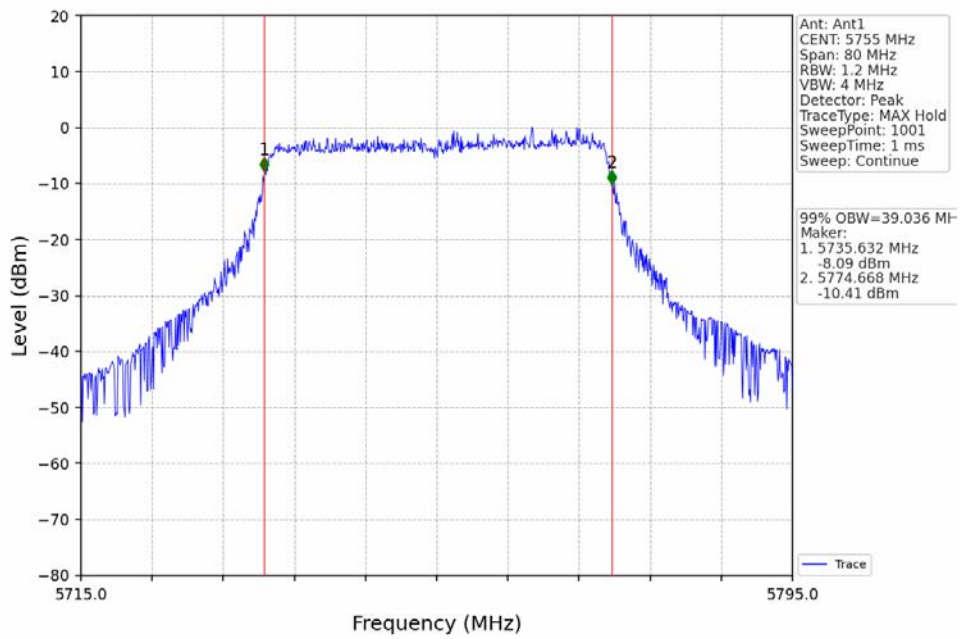
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



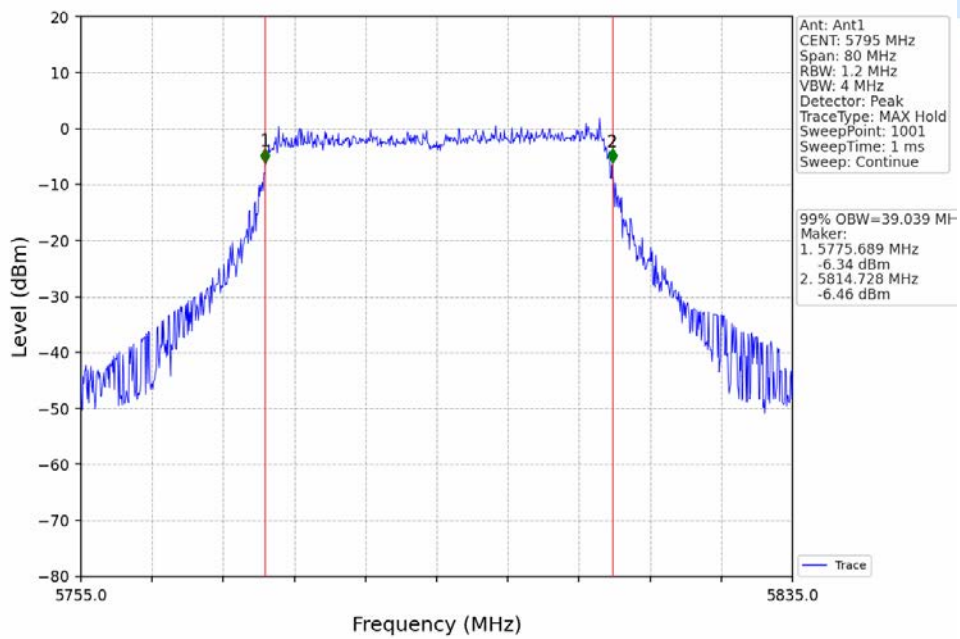
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



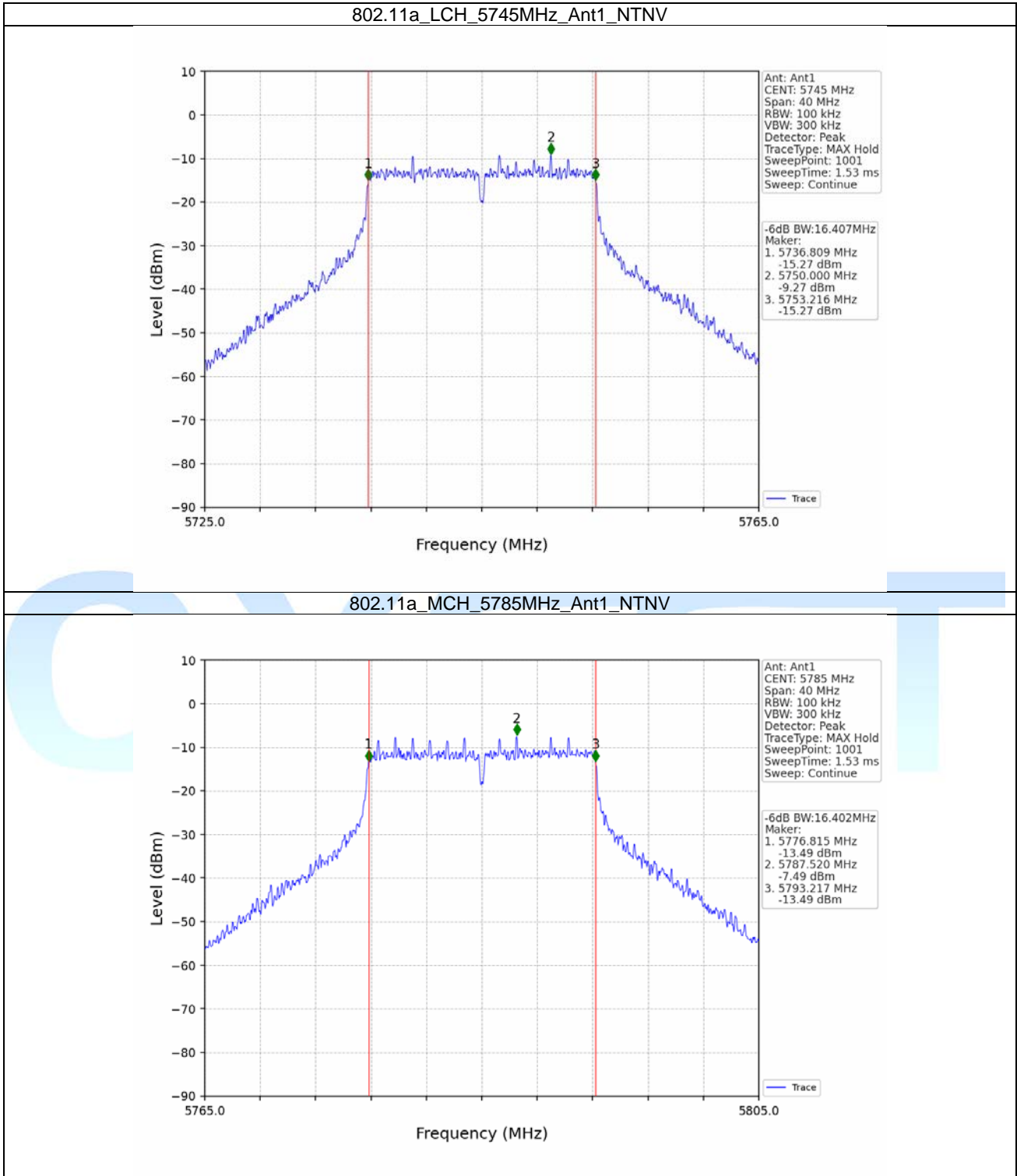


## 2.2 6dB BW

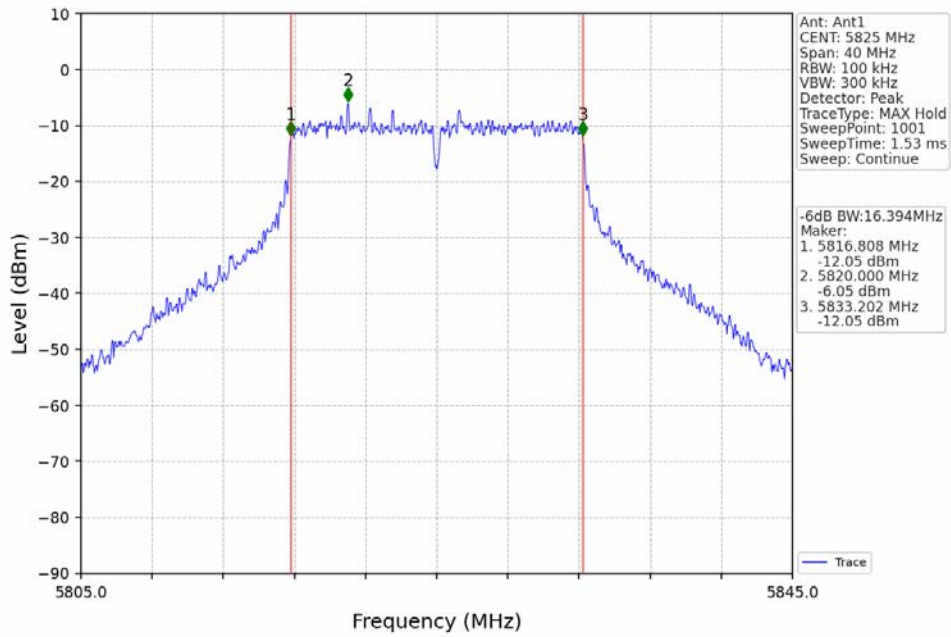
### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.407	>=0.5	Pass
		5785	/	/	1	16.402	>=0.5	Pass
		5825	/	/	1	16.394	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.625	>=0.5	Pass
		5785	/	/	1	17.629	>=0.5	Pass
		5825	/	/	1	17.634	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.356	>=0.5	Pass
		5795	/	/	1	36.366	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.631	>=0.5	Pass
		5785	/	/	1	17.617	>=0.5	Pass
		5825	/	/	1	17.648	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.341	>=0.5	Pass
		5795	/	/	1	35.970	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	19.048	>=0.5	Pass
		5785	RU242	Left	1	19.079	>=0.5	Pass
		5825	RU242	Left	1	19.014	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	37.941	>=0.5	Pass
		5795	RU484	Left	1	38.020	>=0.5	Pass

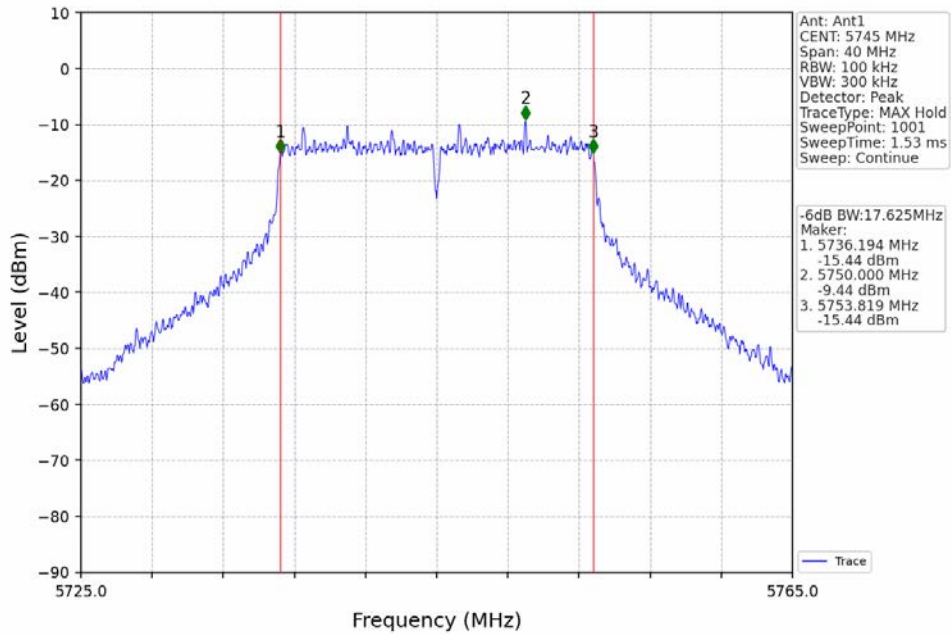
### 2.2.2 Test Graph



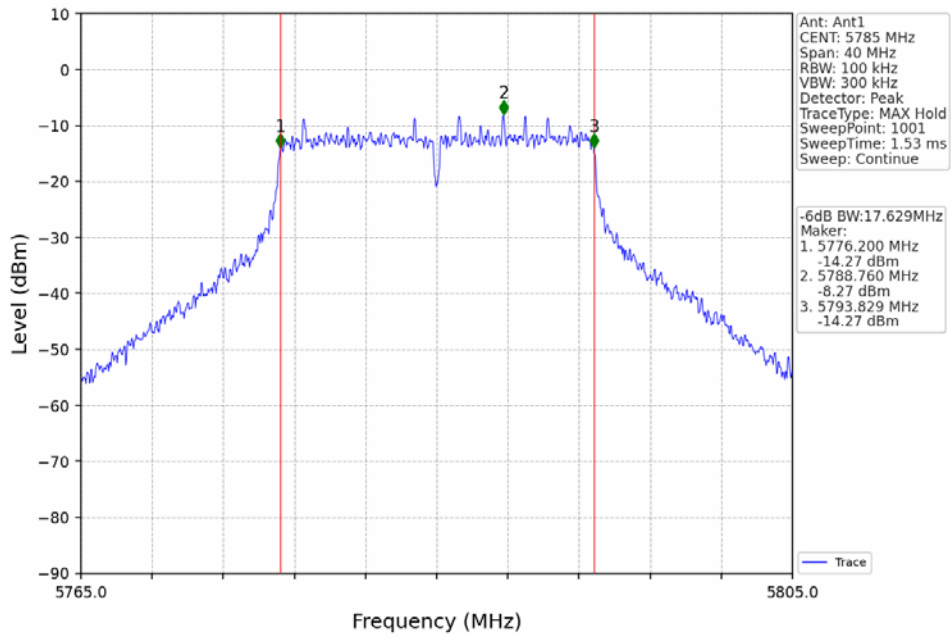
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



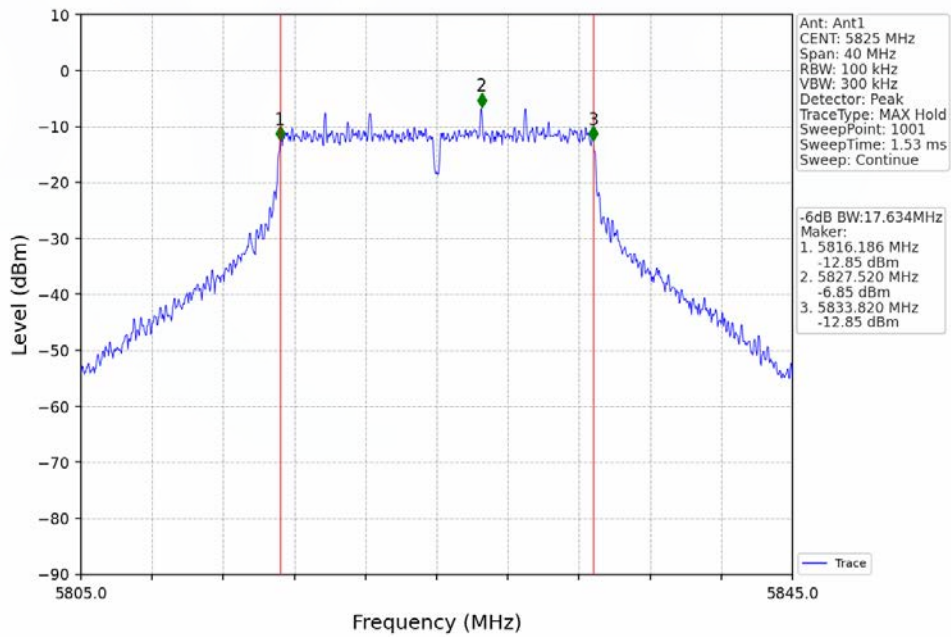
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV

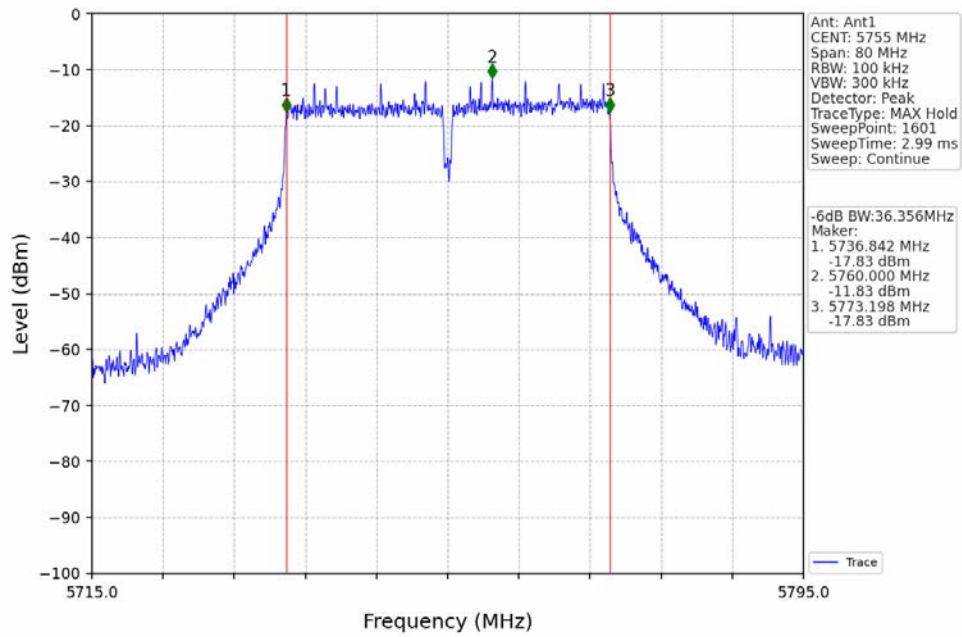


802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV

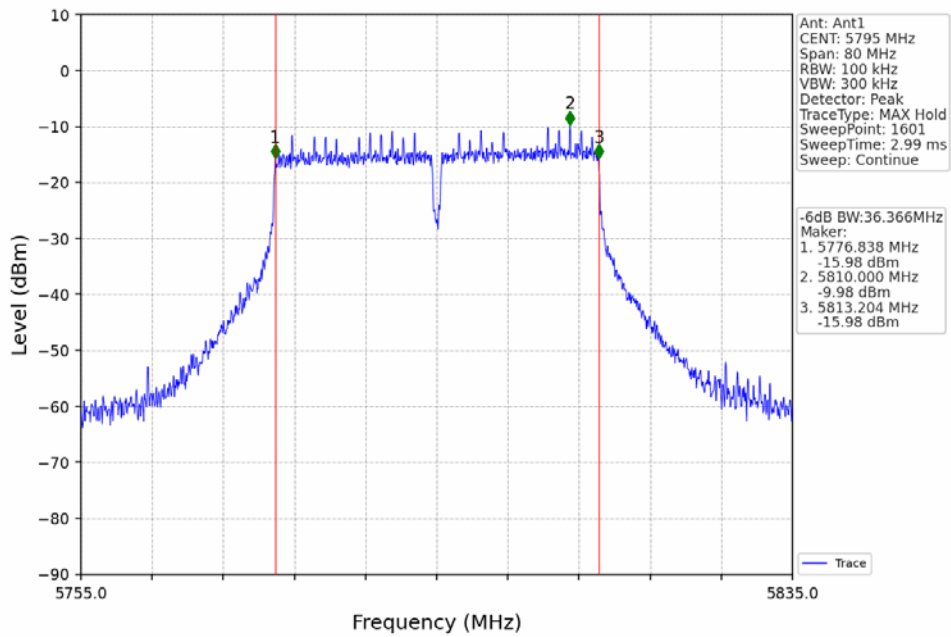




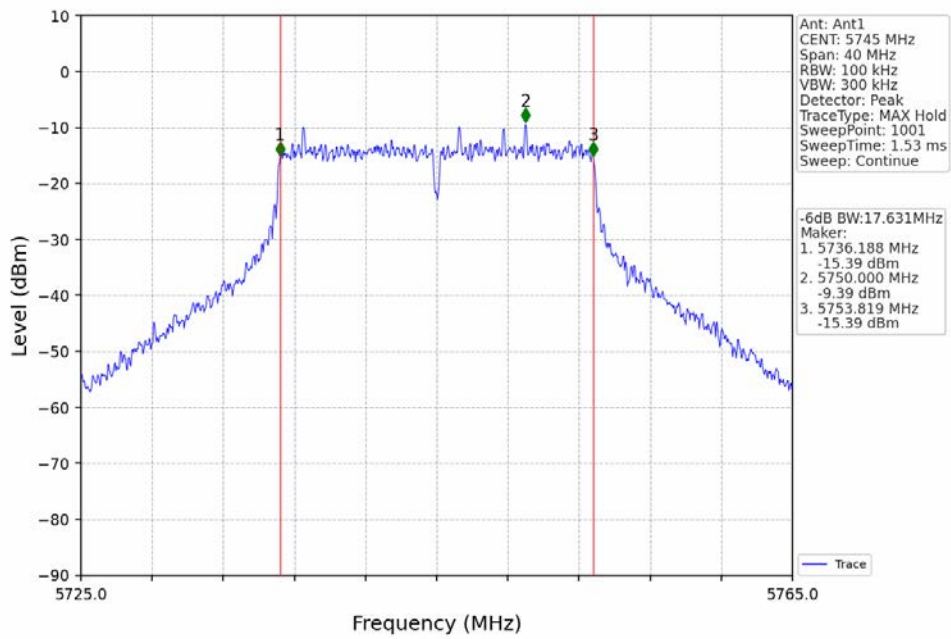
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



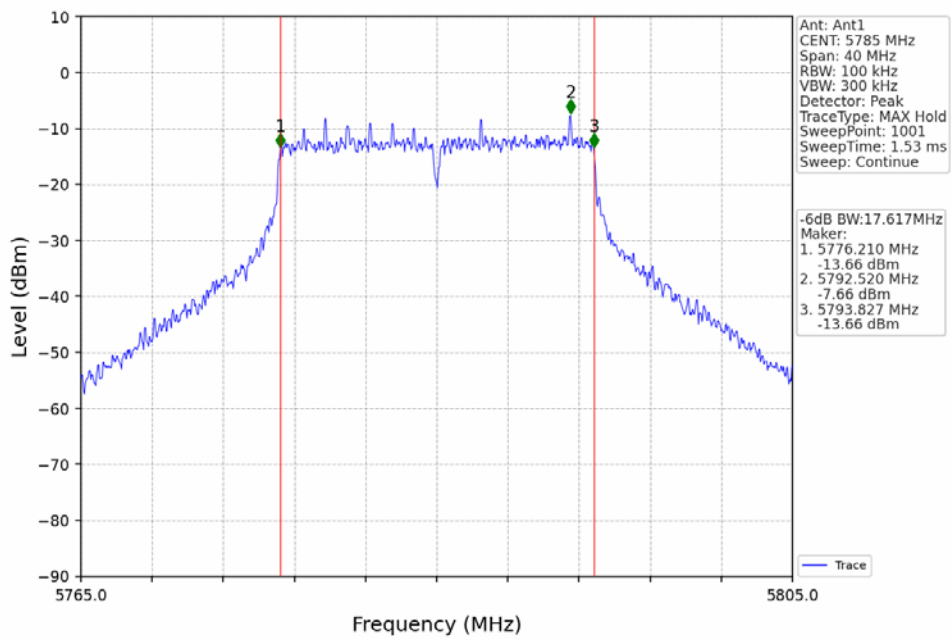
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



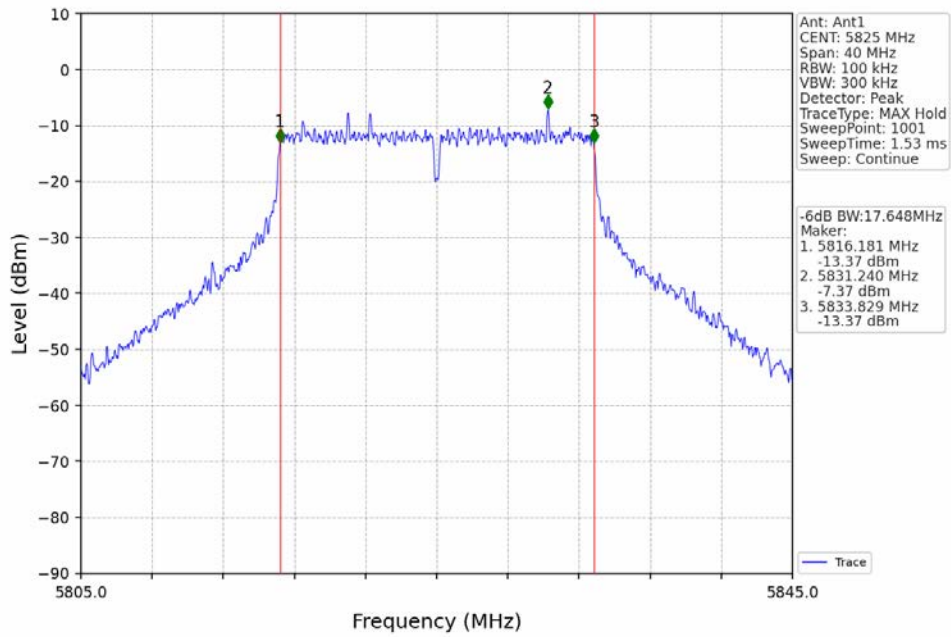
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



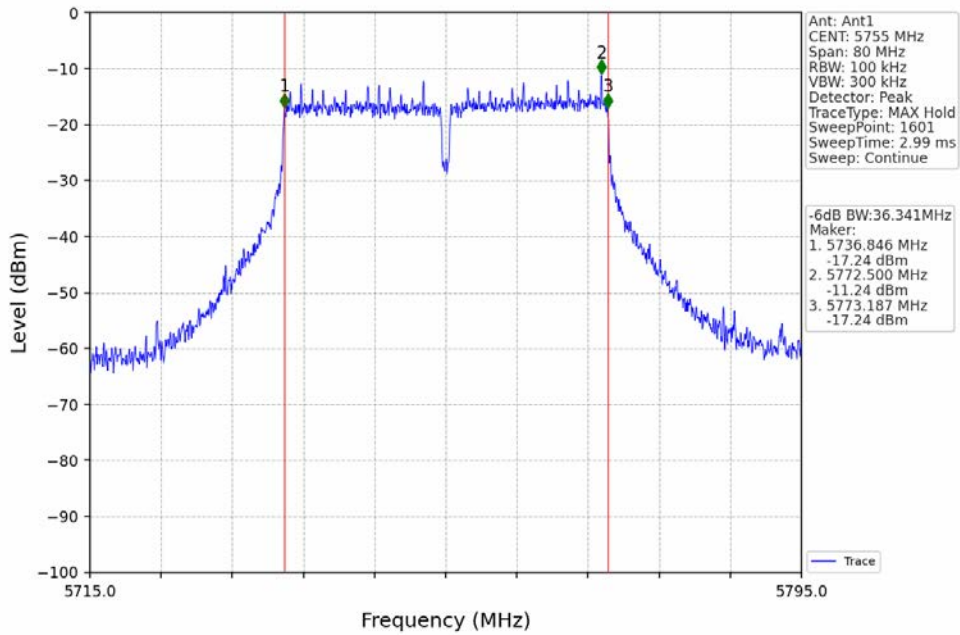
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



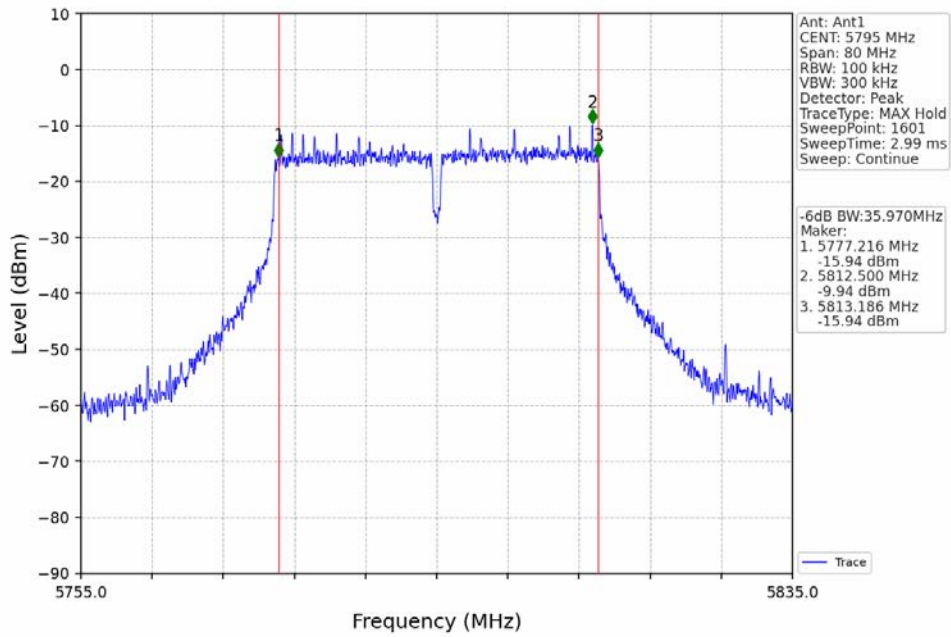
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



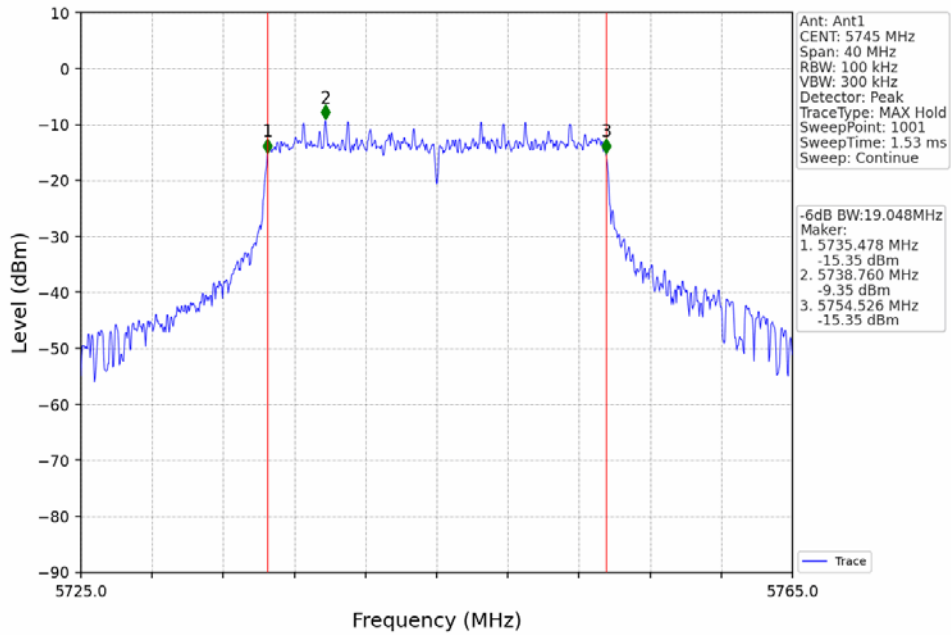
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



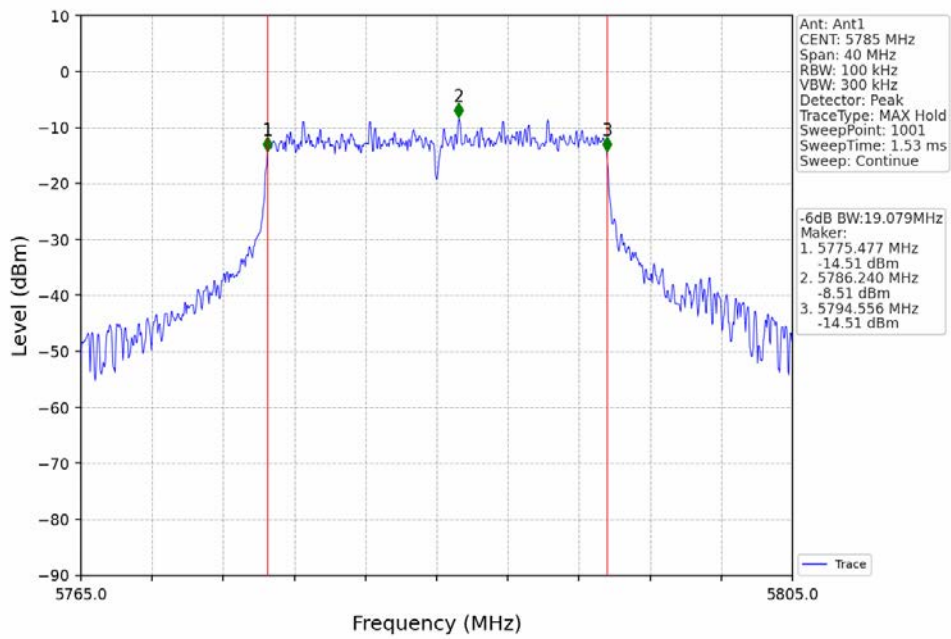
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



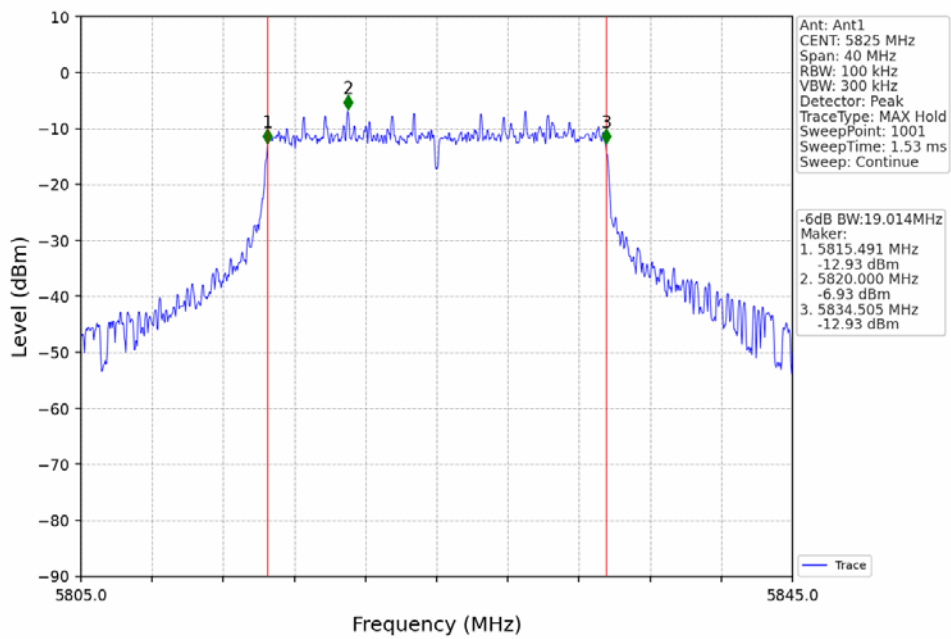
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



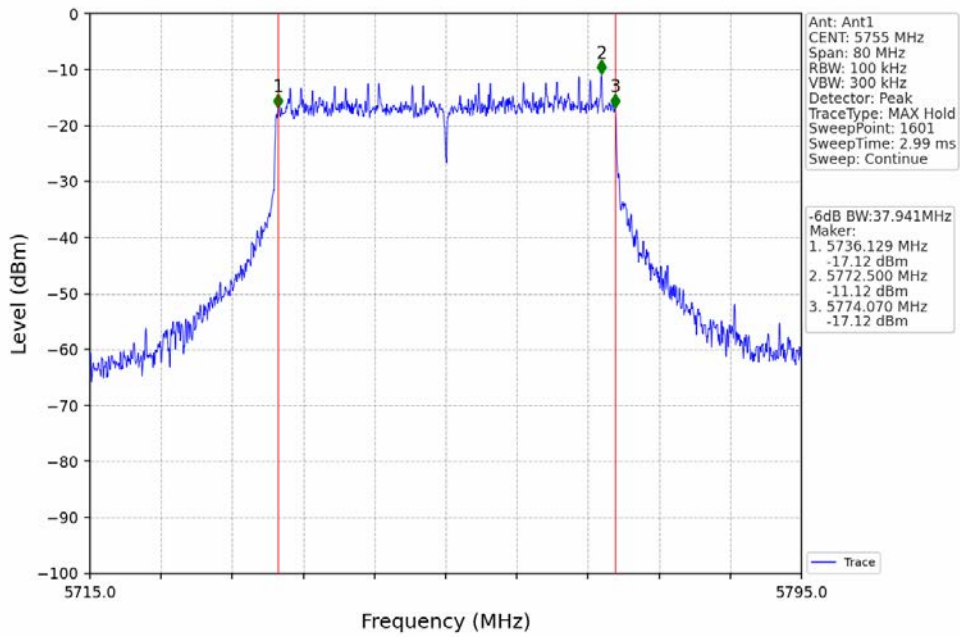
802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV



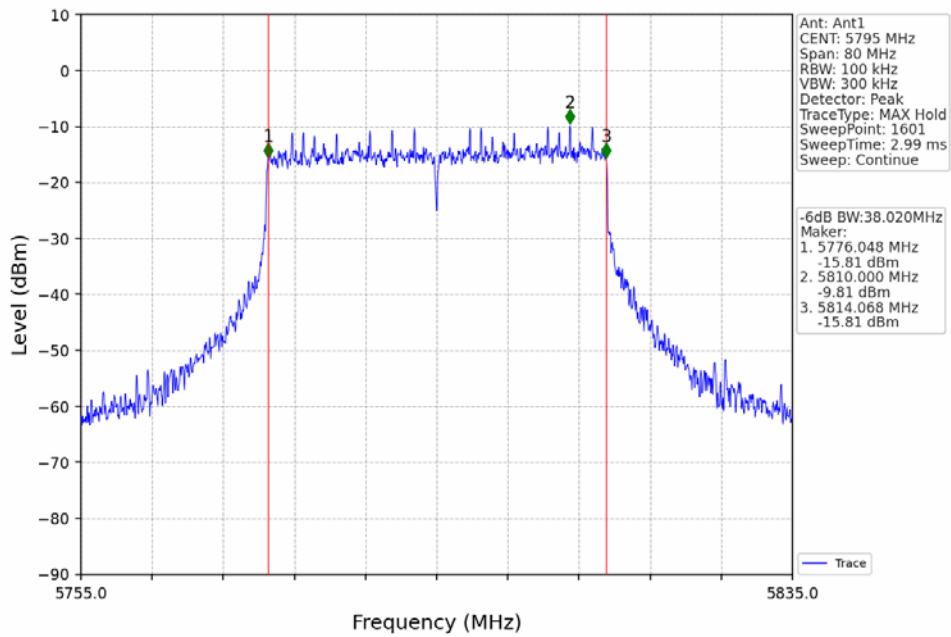
802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV



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 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	3.25	<=30	Pass
		5785	/	/	4.33	<=30	Pass
		5825	/	/	<b>5.73</b>	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	3.04	<=30	Pass
		5785	/	/	3.07	<=30	Pass
		5825	/	/	4.68	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	3.64	<=30	Pass
		5795	/	/	5.09	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	3.19	<=30	Pass
		5785	/	/	3.21	<=30	Pass
		5825	/	/	5.33	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	2.87	<=30	Pass
		5795	/	/	5.38	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	3.81	<=30	Pass
		5785	RU242	Left	4.01	<=30	Pass
		5825	RU242	Left	4.88	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	3.94	<=30	Pass
		5795	RU484	Left	5.00	<=30	Pass

Note1: Antenna Gain: Ant1: 1.30dBi;



## 4. Maximum Power Spectral Density

### 4.1 PSD-Band3

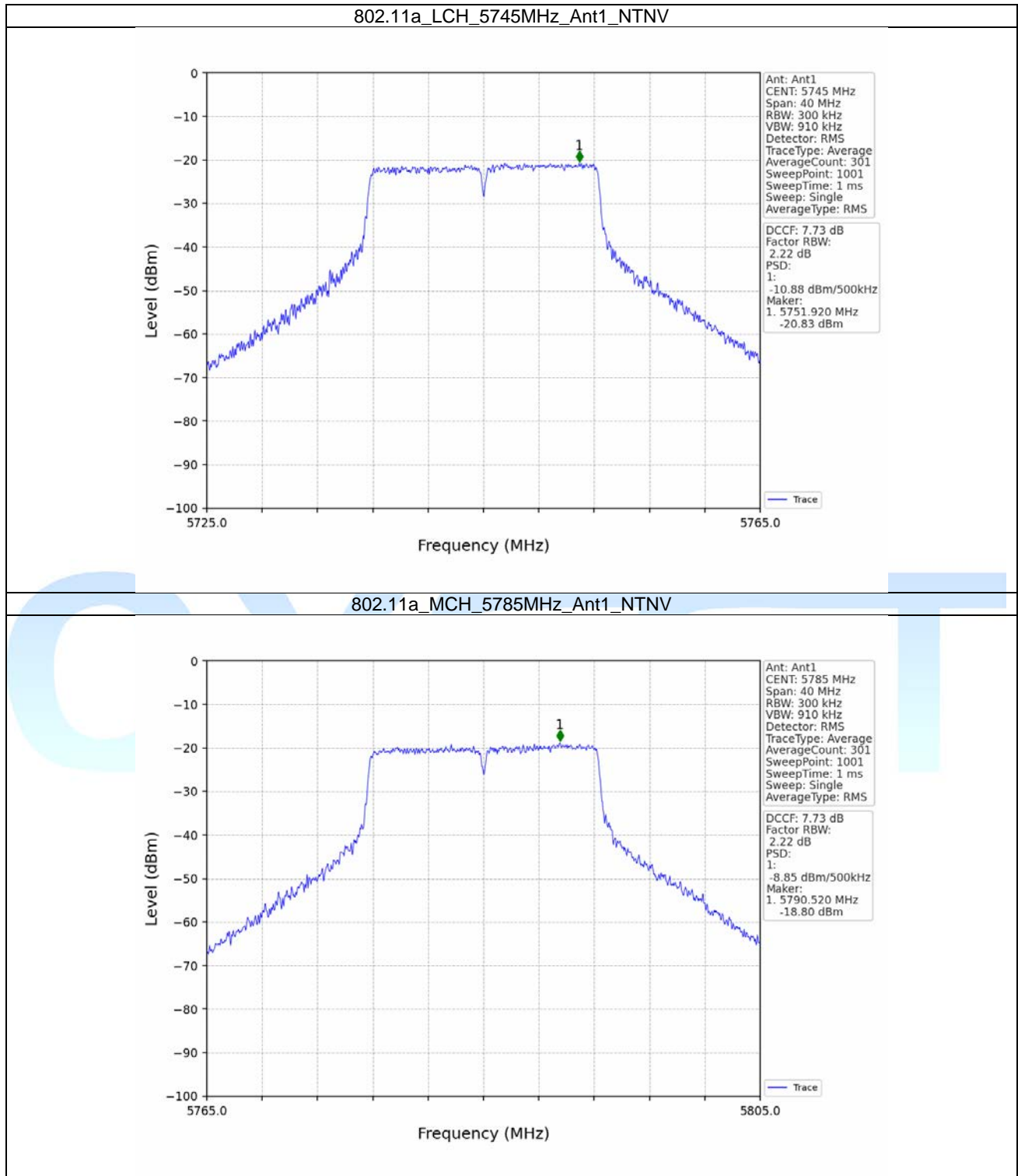
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-10.88	<=30	Pass
		5785	/	/	-8.85	<=30	Pass
		5825	/	/	-8.62	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-11.47	<=30	Pass
		5785	/	/	-11.13	<=30	Pass
		5825	/	/	-9.67	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-13.89	<=30	Pass
		5795	/	/	-12.31	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-12.22	<=30	Pass
		5785	/	/	-9.44	<=30	Pass
		5825	/	/	-8.57	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-13.20	<=30	Pass
		5795	/	/	-12.09	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	-11.16	<=30	Pass
		5785	RU242	Left	-10.04	<=30	Pass
		5825	RU242	Left	-9.20	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-12.52	<=30	Pass
		5795	RU484	Left	-11.19	<=30	Pass

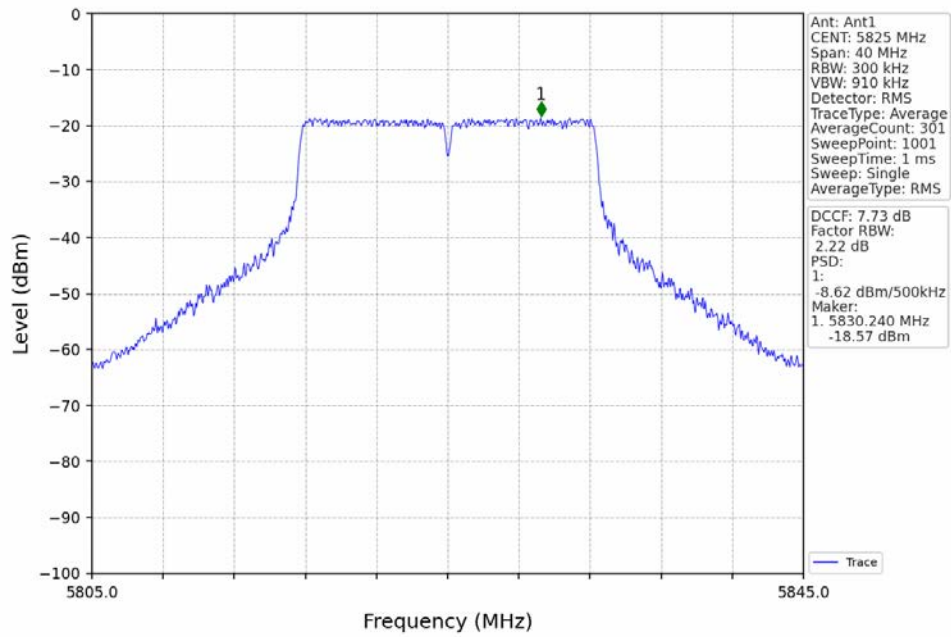
Note1: Antenna Gain: Ant1: 1.30dBi;  
 Note2: Test result contains DCCF and RBW Factor  
 RBW Factor = 10 \* log(500kHz/300kHz)= 2.22



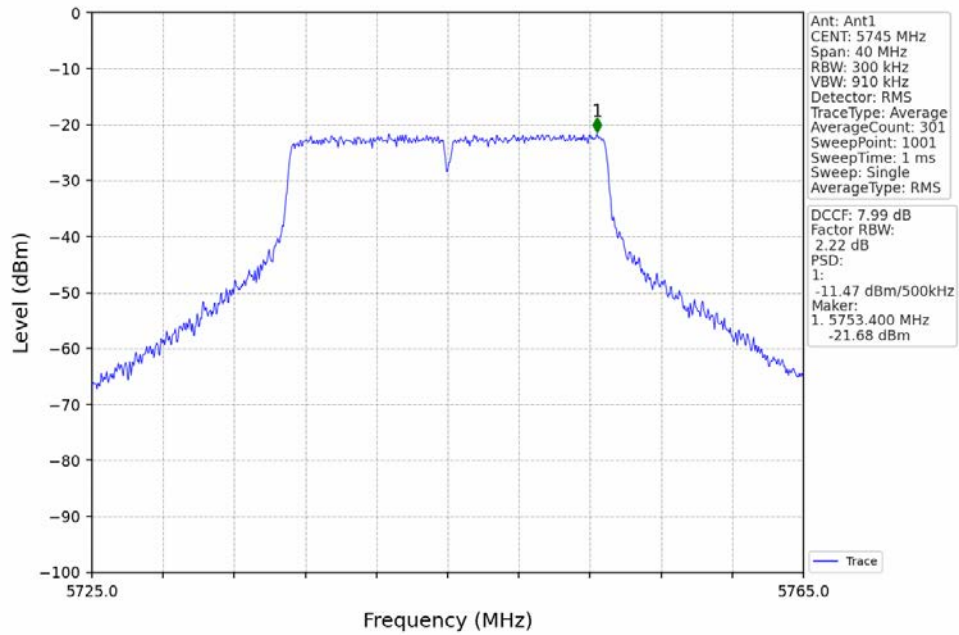
### 4.1.2 Test Graph



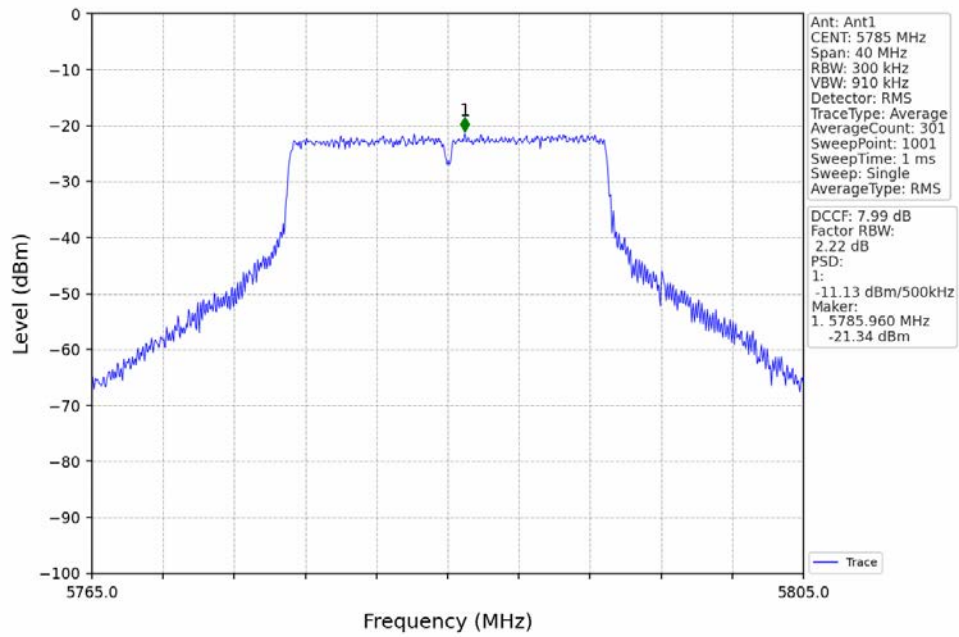
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



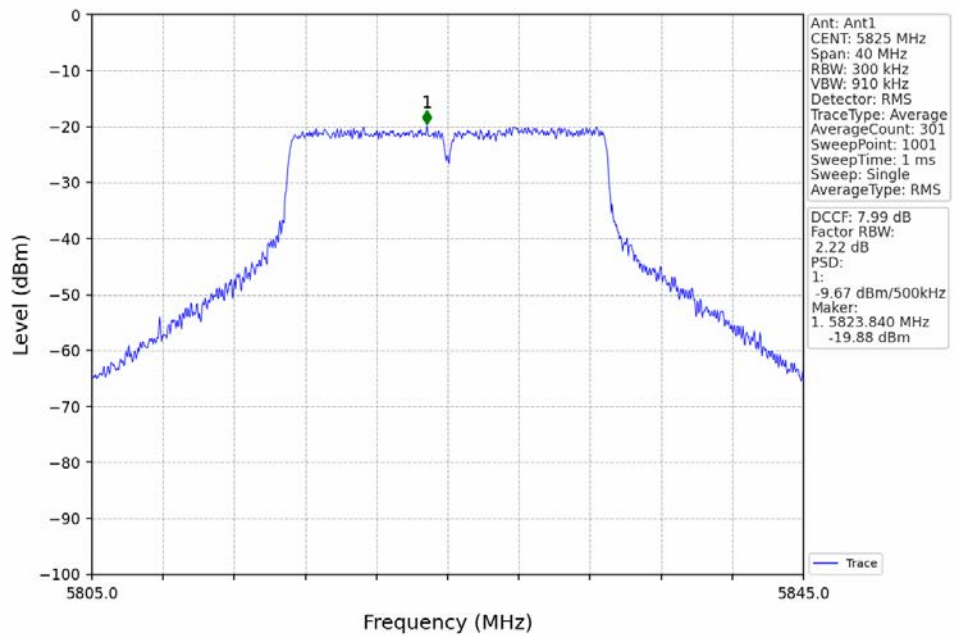
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



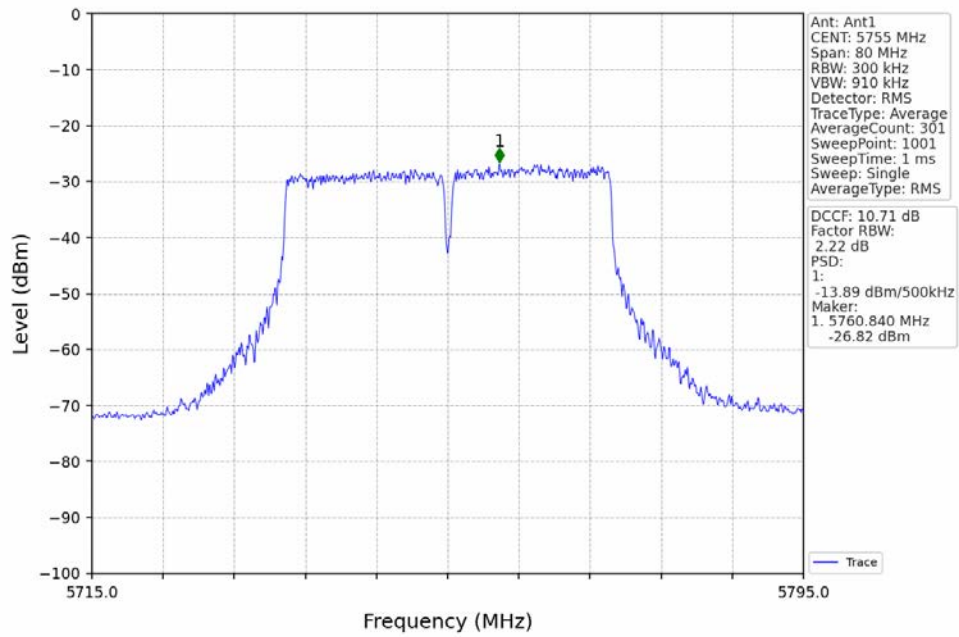
802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



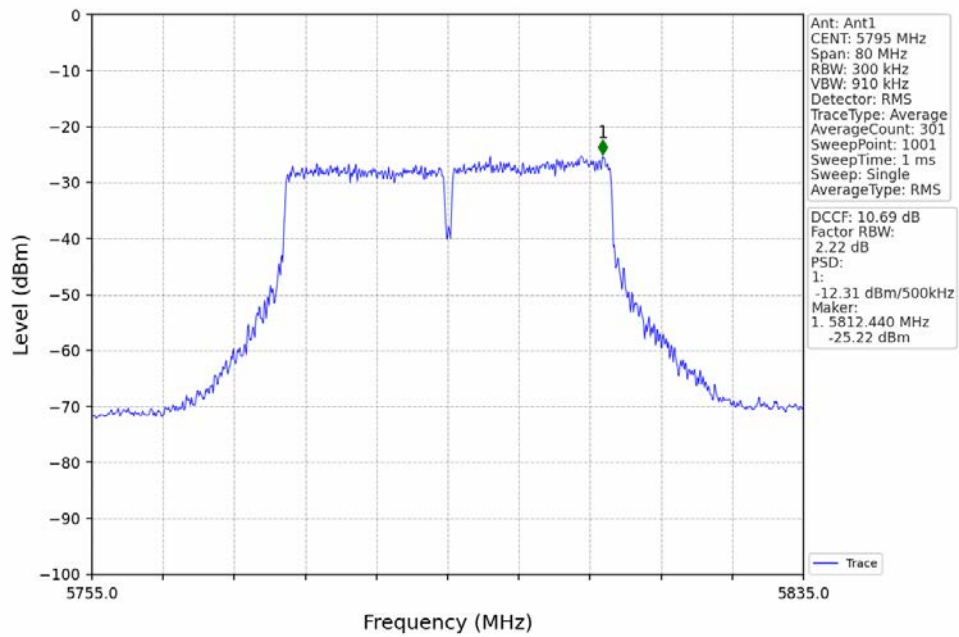
802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



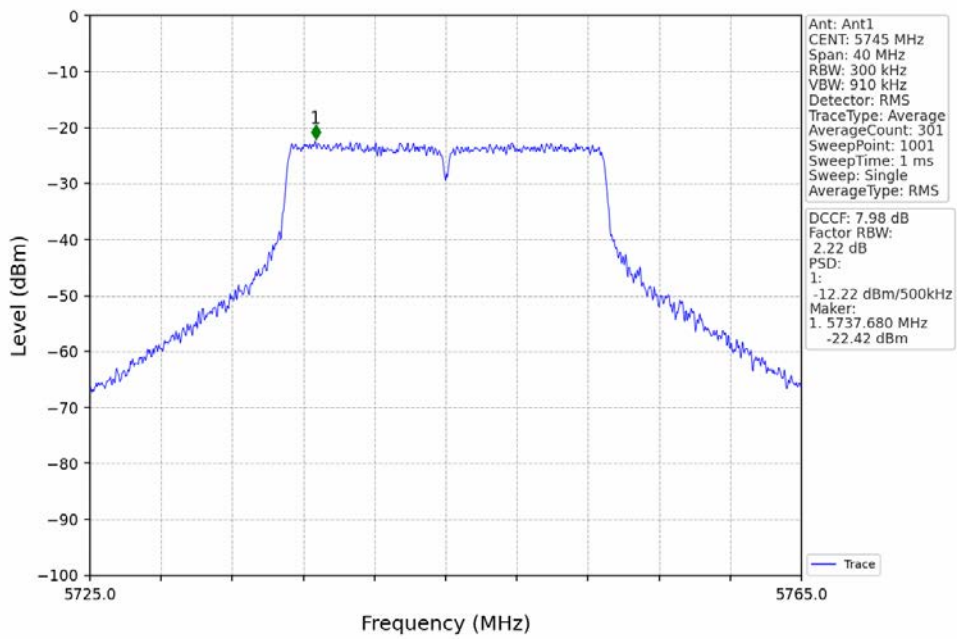
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



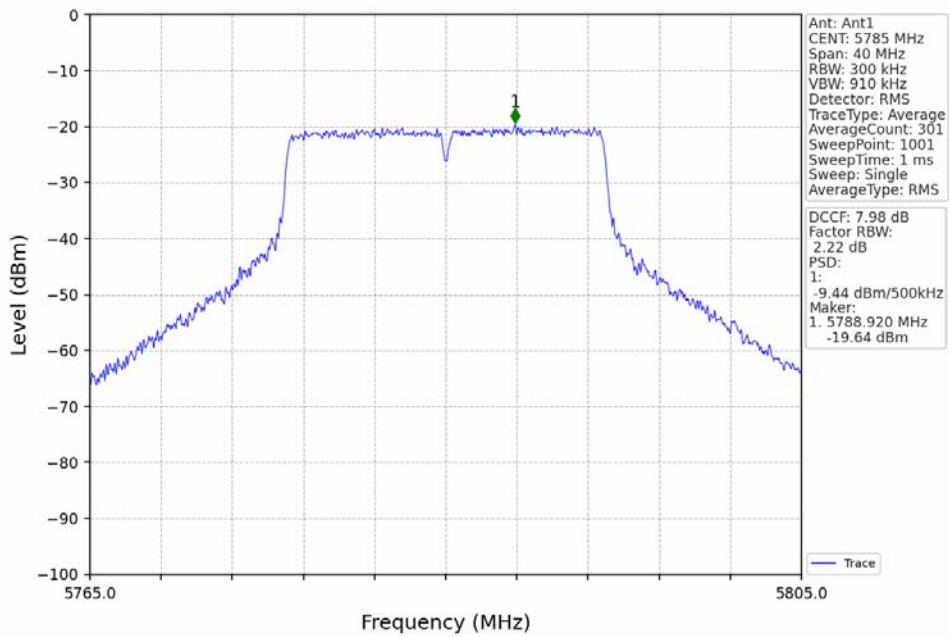
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



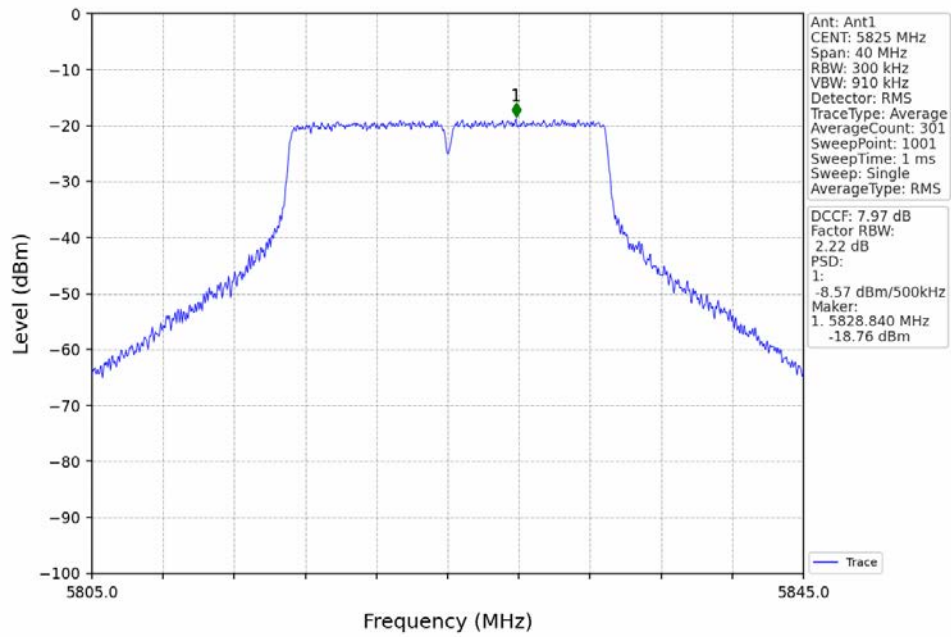
802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



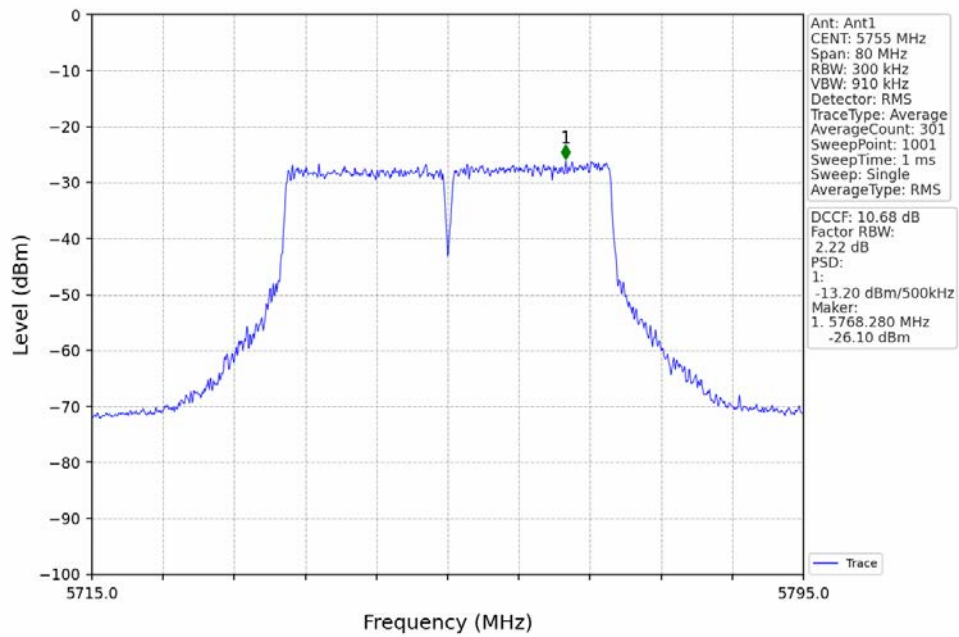
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV



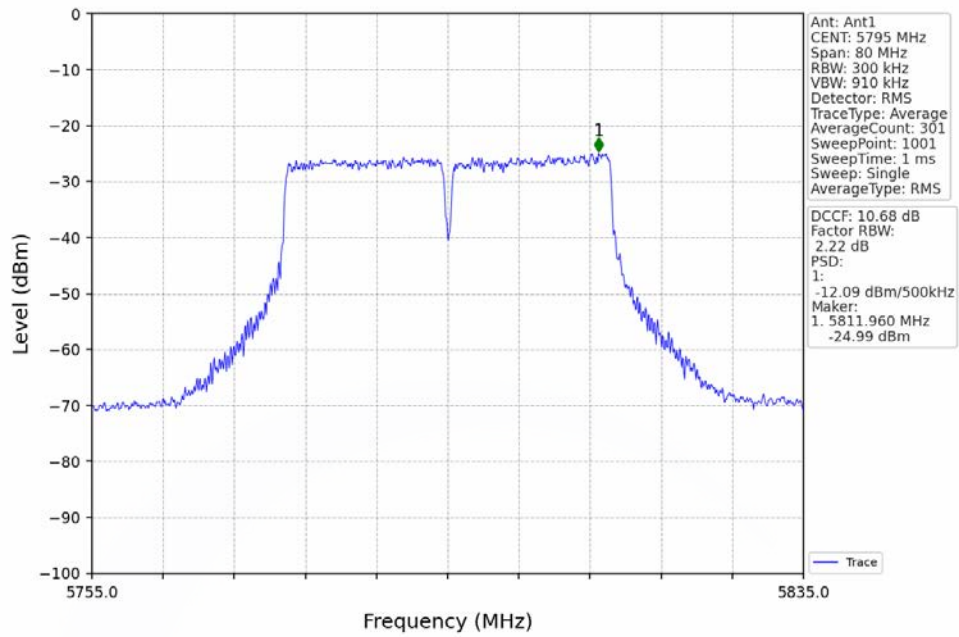
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



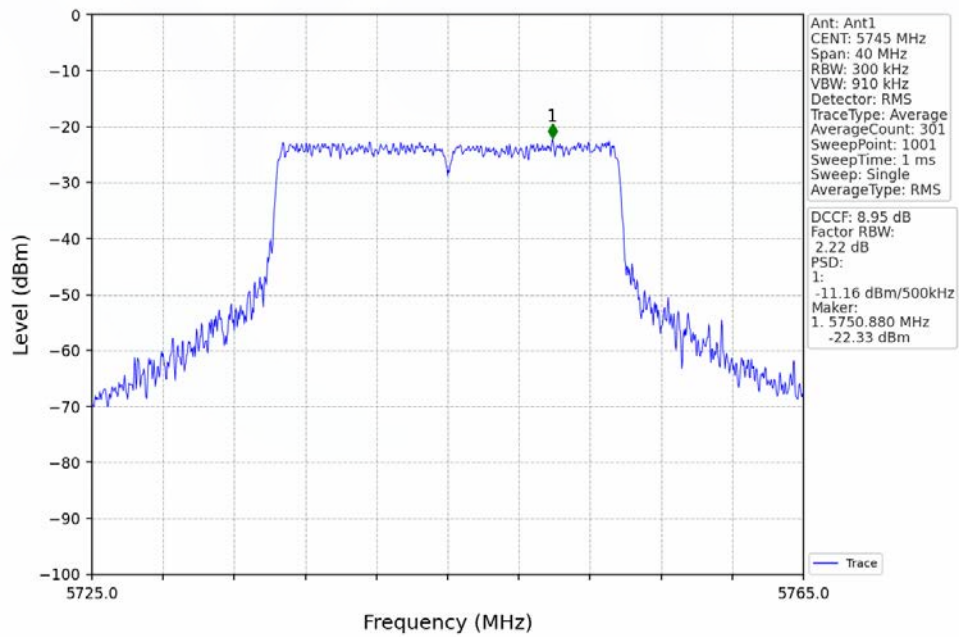
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV



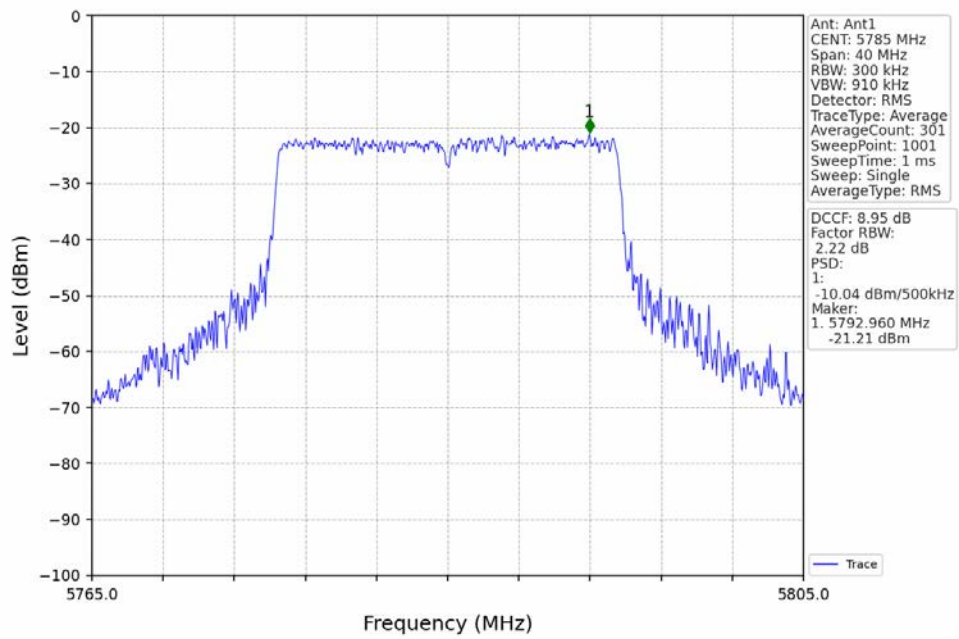
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



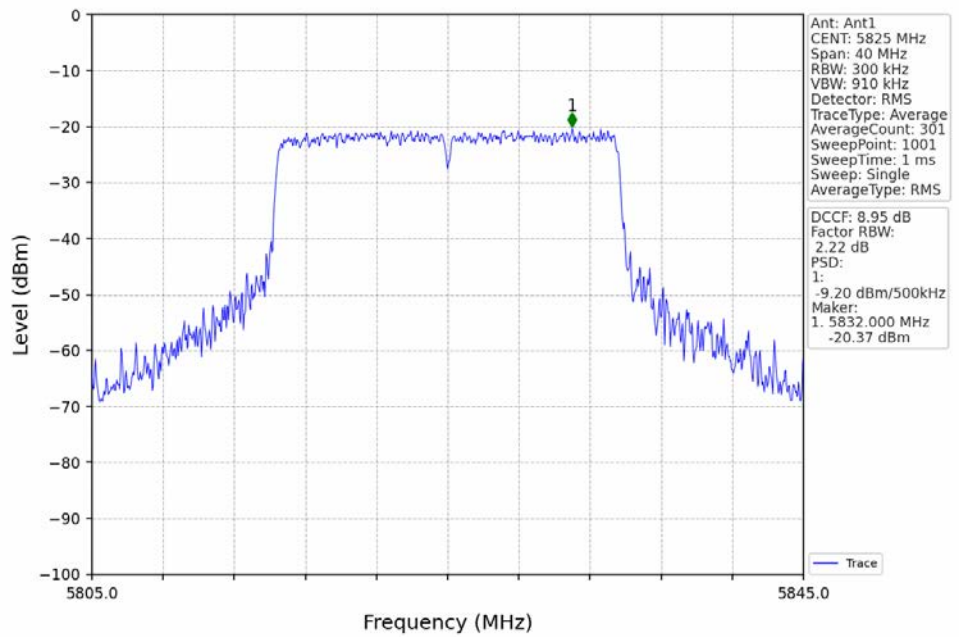
802.11ax(HEW20)\_LCH\_5745MHz\_RU242\_Left\_Ant1\_NTNV



802.11ax(HEW20)\_MCH\_5785MHz\_RU242\_Left\_Ant1\_NTNV

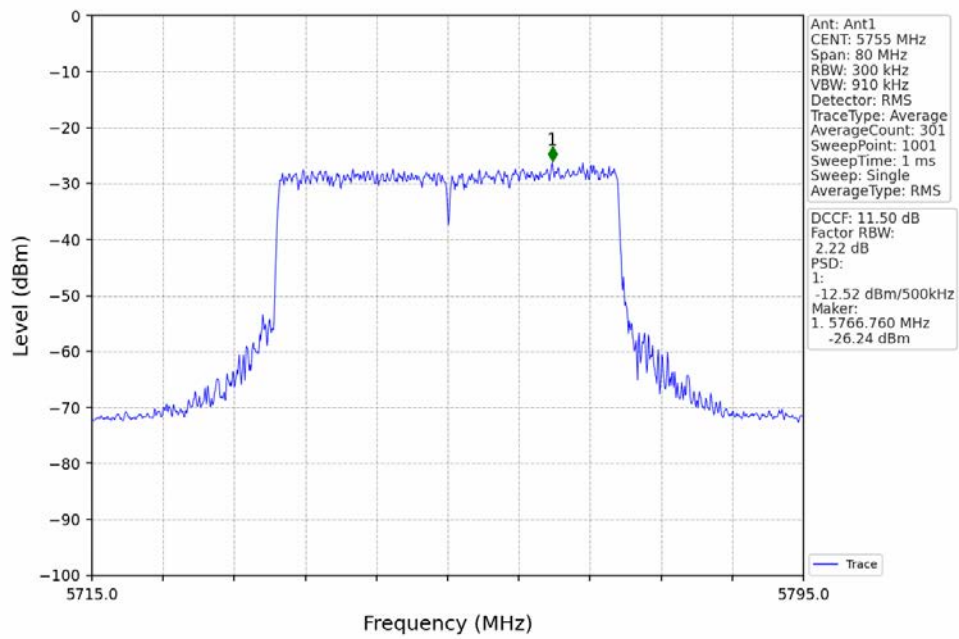


802.11ax(HEW20)\_HCH\_5825MHz\_RU242\_Left\_Ant1\_NTNV

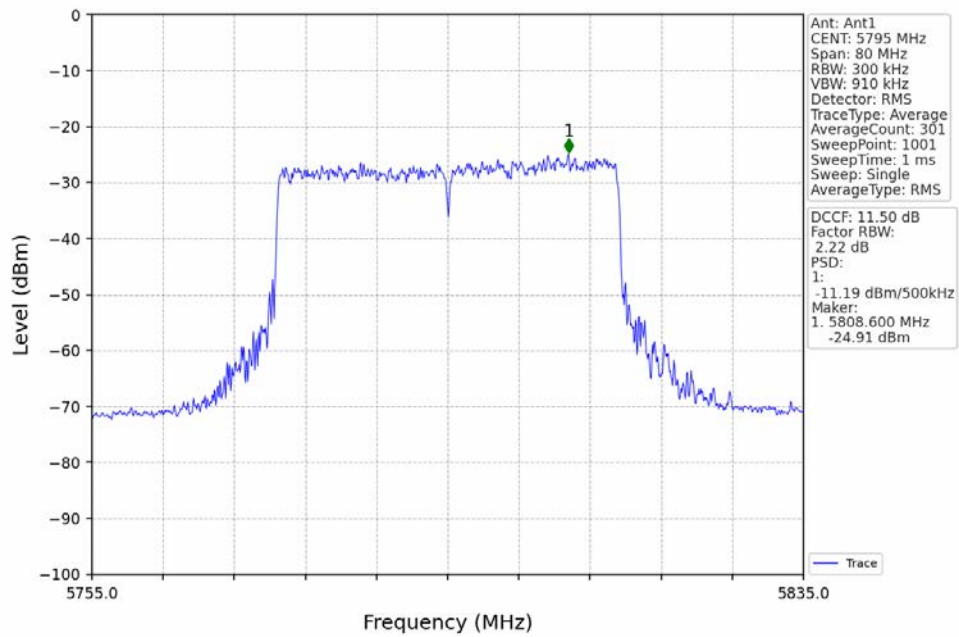




802.11ax(HEW40)\_LCH\_5755MHz\_RU484\_Left\_Ant1\_NTNV



802.11ax(HEW40)\_HCH\_5795MHz\_RU484\_Left\_Ant1\_NTNV



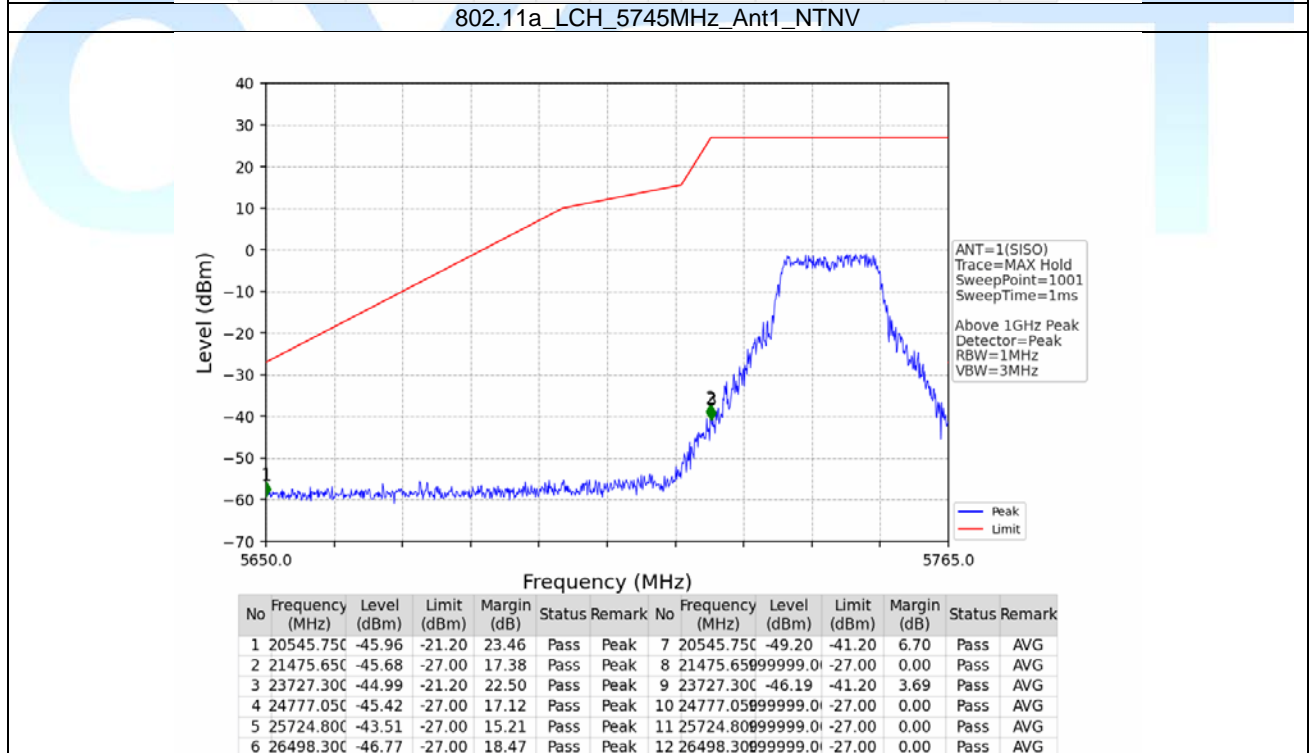
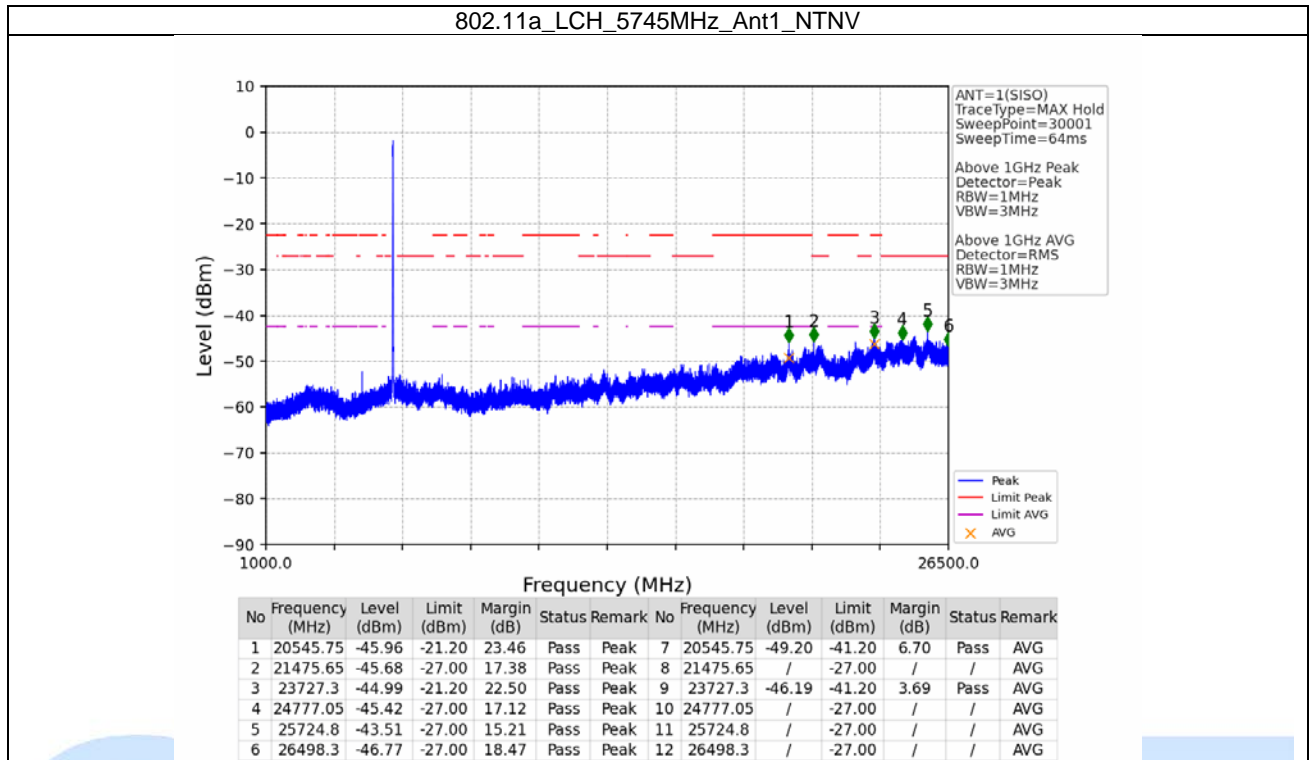
## 5. Unwanted Emissions In Restricted Frequency Bands

### 5.1 RSE

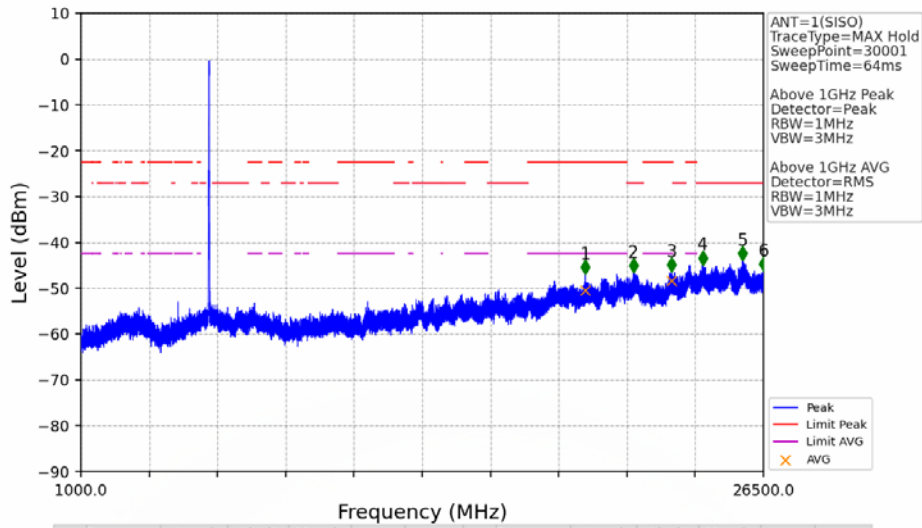
#### 5.1.1 Test Result

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

### 5.1.2 Test Graph

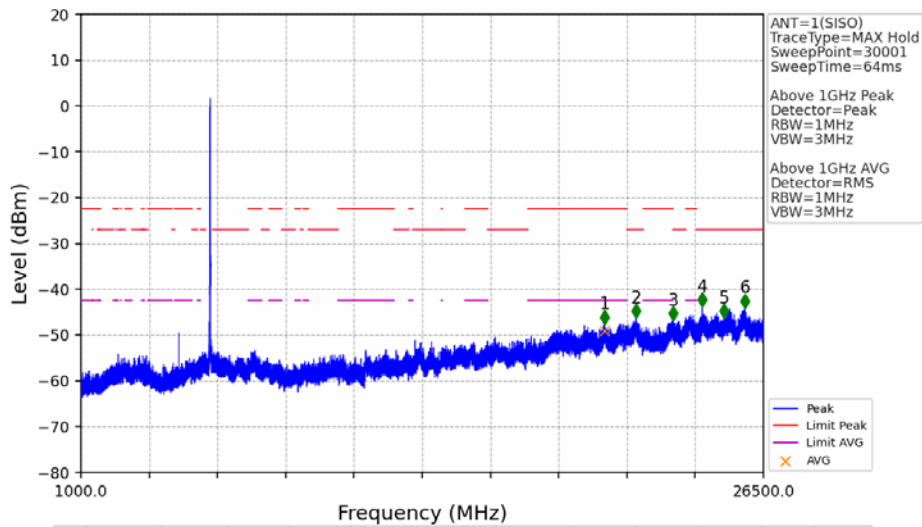


802.11a\_MCH\_5785MHz\_Ant1\_NTNV



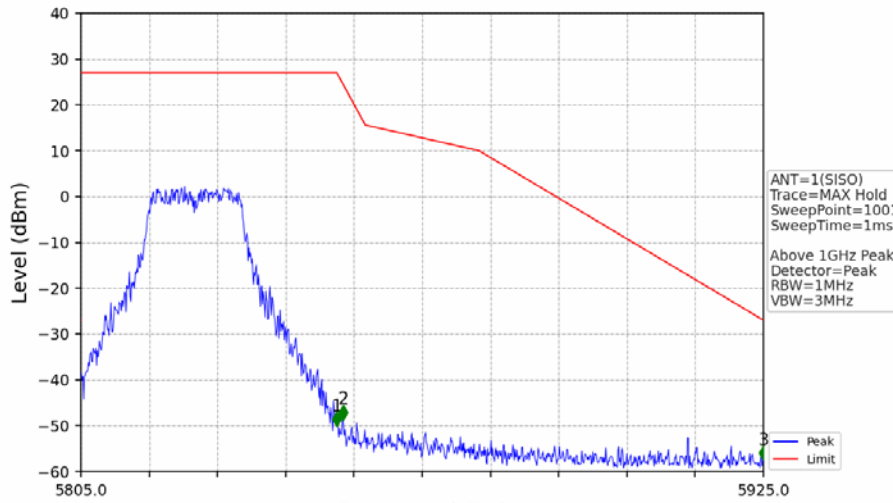
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19845.35	-47.03	-21.20	24.53	Pass	Peak	7	19845.35	-50.48	-41.20	7.98	Pass	AVG
2	21633.75	-46.60	-27.00	18.30	Pass	Peak	8	21633.75	/	-27.00	/	/	AVG
3	23069.4	-46.50	-21.20	24.00	Pass	Peak	9	23069.4	-48.34	-41.20	5.84	Pass	AVG
4	24229.65	-44.94	-27.00	16.64	Pass	Peak	10	24229.65	/	-27.00	/	/	AVG
5	25721.4	-43.92	-27.00	15.62	Pass	Peak	11	25721.4	/	-27.00	/	/	AVG
6	26490.65	-46.33	-27.00	18.03	Pass	Peak	12	26490.65	/	-27.00	/	/	AVG

802.11a\_HCH\_5825MHz\_Ant1\_NTNV



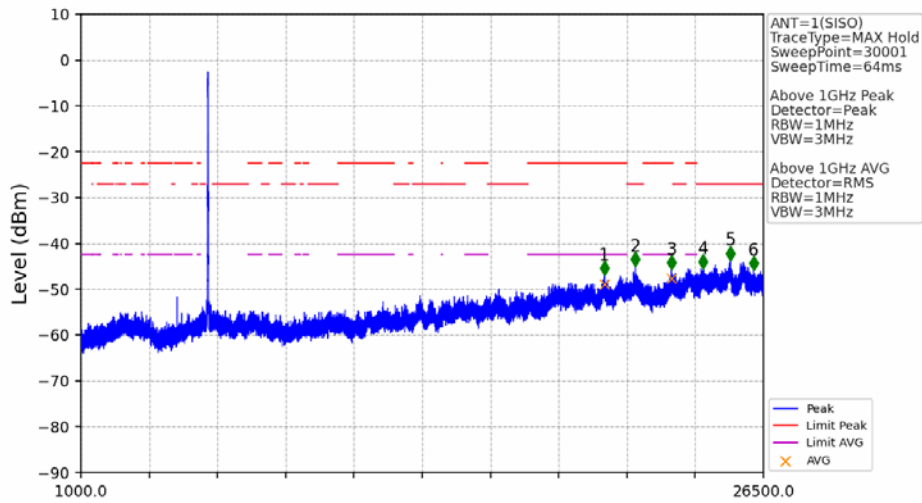
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20574.65	-47.65	-21.20	25.15	Pass	Peak	7	20574.65	-49.18	-41.20	6.68	Pass	AVG
2	21740	-46.29	-27.00	17.99	Pass	Peak	8	21740	/	-27.00	/	/	AVG
3	23130.6	-46.90	-27.00	18.60	Pass	Peak	9	23130.6	/	-27.00	/	/	AVG
4	24216.9	-43.92	-27.00	15.62	Pass	Peak	10	24216.9	/	-27.00	/	/	AVG
5	25009.95	-46.34	-27.00	18.04	Pass	Peak	11	25009.95	/	-27.00	/	/	AVG
6	25814.9	-44.10	-27.00	15.80	Pass	Peak	12	25814.9	/	-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	20574.650	-47.65	-21.20	25.15	Pass	Peak	7	20574.650	-49.18	-41.20	6.68	Pass	AVG
2	21740.000	-46.29	-27.00	17.99	Pass	Peak	8	21740.000	-27.00	-27.00	0.00	Pass	AVG
3	23130.600	-46.90	-27.00	18.60	Pass	Peak	9	23130.600	-27.00	-27.00	0.00	Pass	AVG
4	24216.900	-43.92	-27.00	15.62	Pass	Peak	10	24216.900	-27.00	-27.00	0.00	Pass	AVG
5	25009.950	-46.34	-27.00	18.04	Pass	Peak	11	25009.950	-27.00	-27.00	0.00	Pass	AVG
6	25814.900	-44.10	-27.00	15.80	Pass	Peak	12	25814.900	-27.00	-27.00	0.00	Pass	AVG

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
1	20553.4	-47.00	-21.20	24.50	Pass	Peak	7	20553.4	-48.91	-41.20	6.41	Pass	AVG
2	21717.9	-45.05	-27.00	16.75	Pass	Peak	8	21717.9	/	-27.00	/	/	AVG
3	23059.2	-45.79	-21.20	23.29	Pass	Peak	9	23059.2	-47.72	-41.20	5.22	Pass	AVG
4	24254.3	-45.52	-27.00	17.23	Pass	Peak	10	24254.3	/	-27.00	/	/	AVG
5	25265.8	-43.72	-27.00	15.42	Pass	Peak	11	25265.8	/	-27.00	/	/	AVG
6	26127.7	-45.96	-27.00	17.66	Pass	Peak	12	26127.7	/	-27.00	/	/	AVG