

# ANNEX G TEST DATA

## For

Project No.:	8232EU010503W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Description:	Android Tablet
Model No.:	WF1585T
FCC ID:	2ABC5-E0072
Technology:	WiFi 5G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-08-15

## Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Frequency Stability	Pass



## 1. Duty Cycle

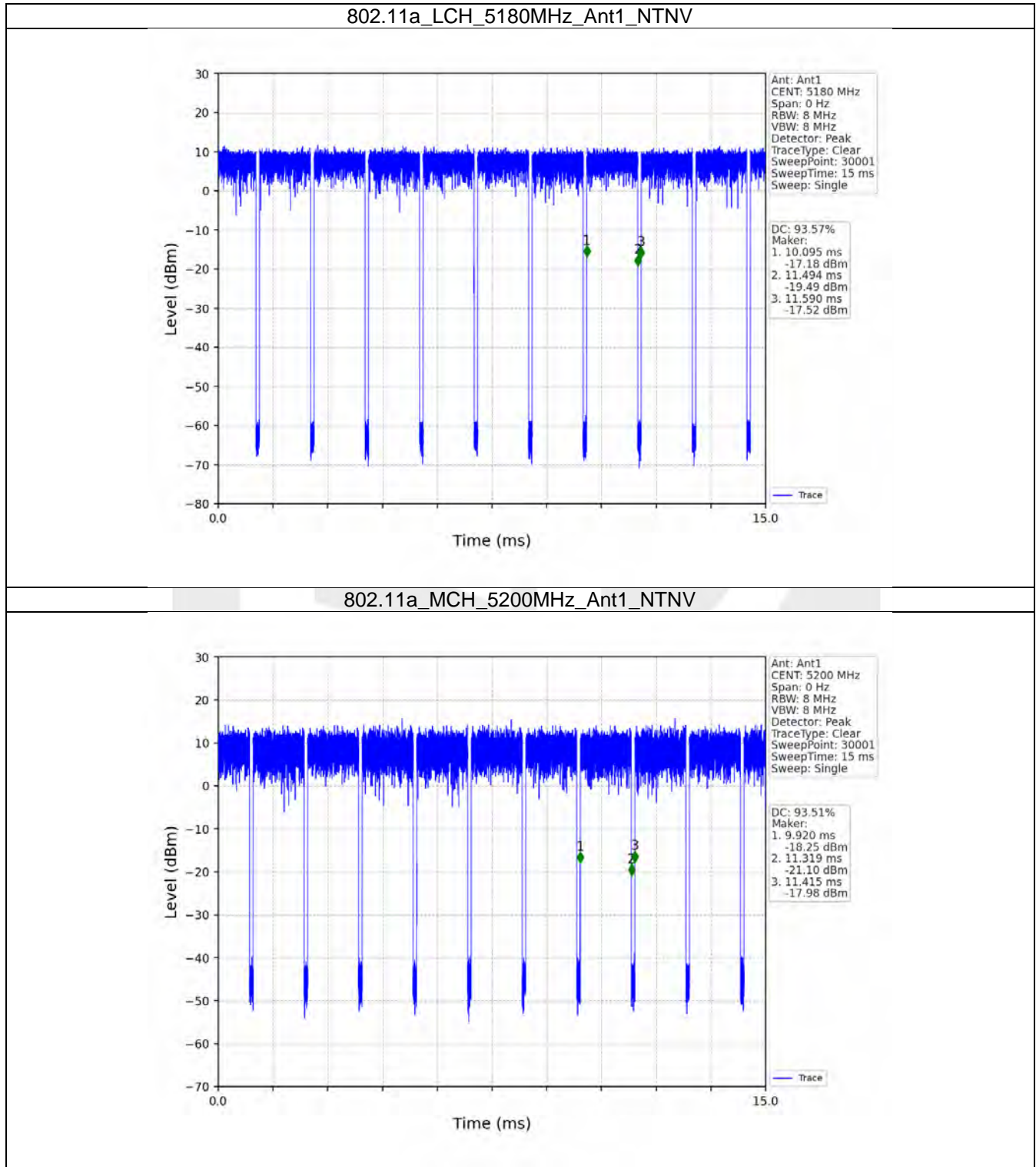
### 1.1 Test Result

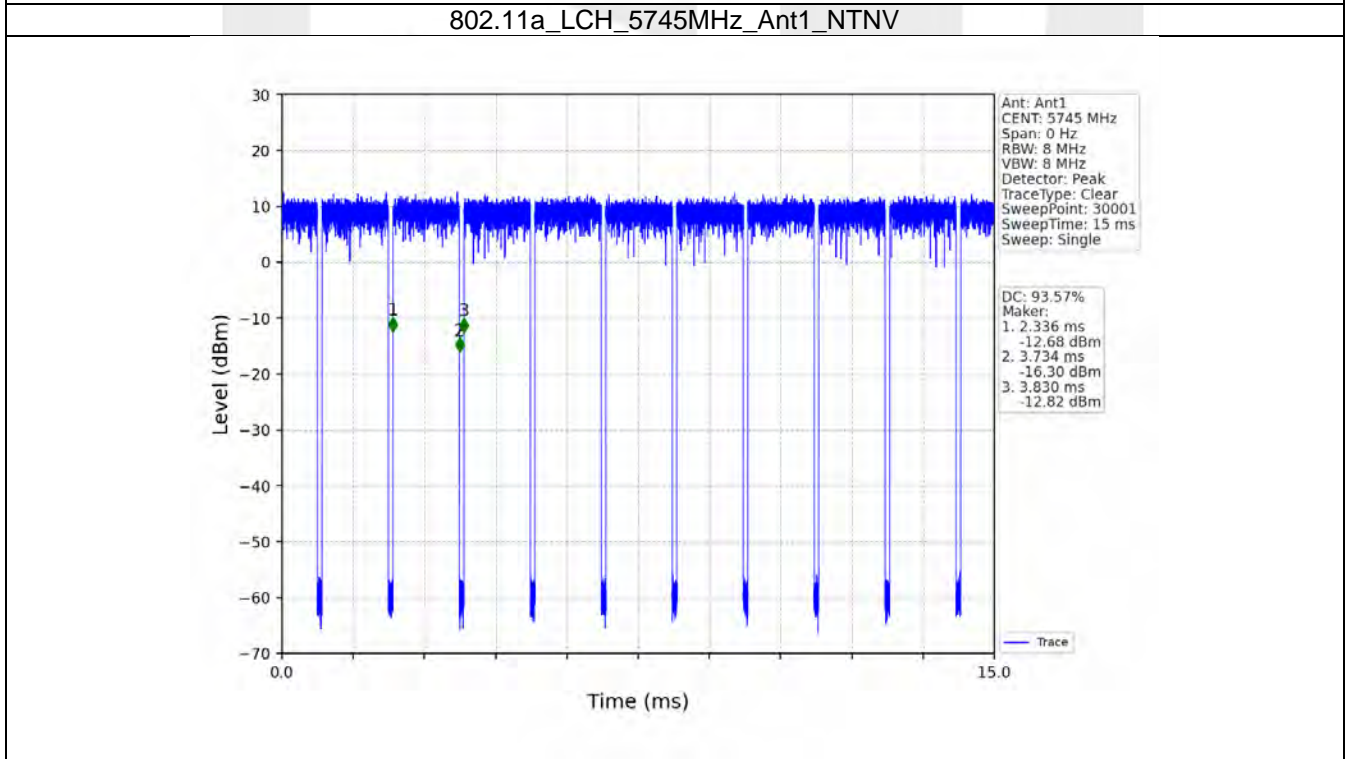
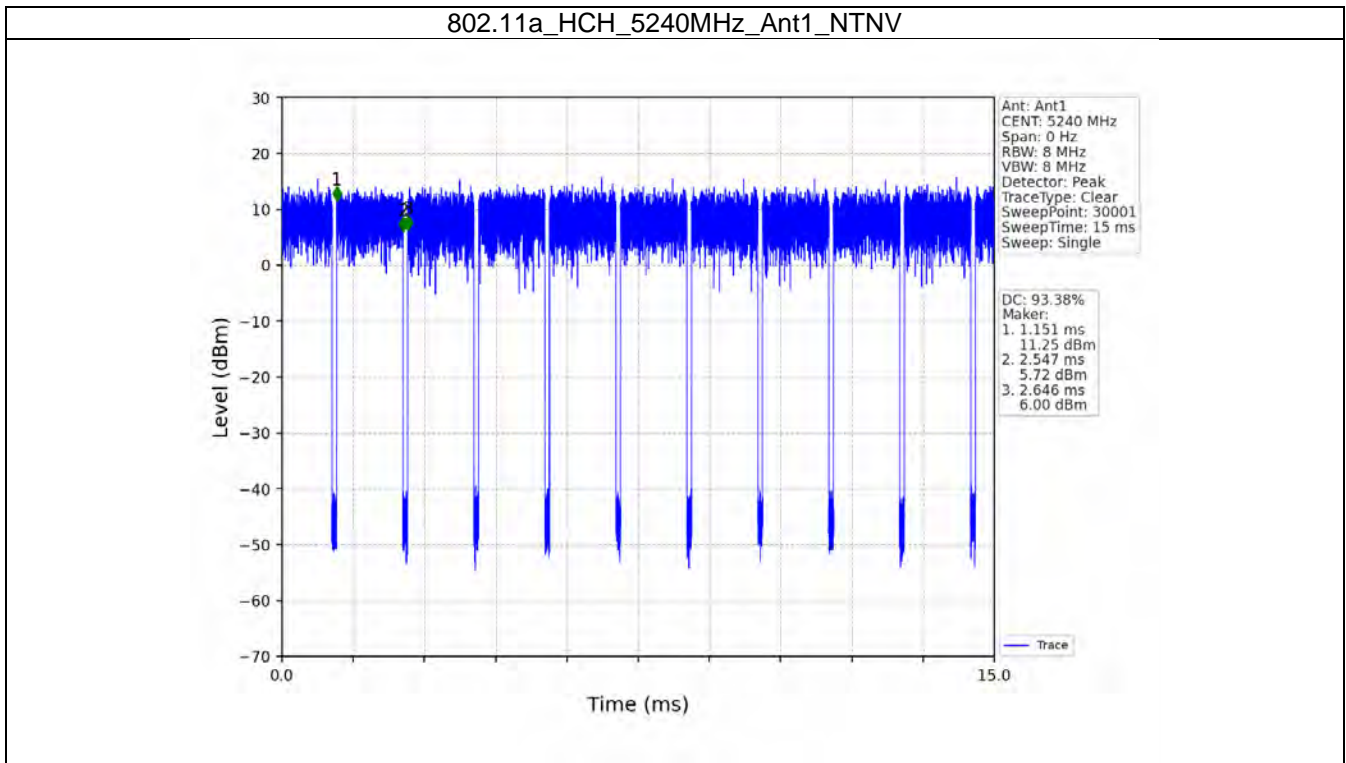
#### 1.1.1 Ant1

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	5180	/	/	1.398	1.494	93.57	0.29	0.03
		5200	/	/	1.398	1.495	93.51	0.29	0.03
		5240	/	/	1.396	1.495	93.38	0.30	0.00
		5745	/	/	1.398	1.494	93.57	0.29	0.03
		5785	/	/	1.396	1.495	93.38	0.30	0.03
		5825	/	/	1.399	1.495	93.58	0.29	0.03
802.11n (HT20)	SISO	5180	/	/	1.310	1.407	93.11	0.31	0.03
		5200	/	/	1.308	1.407	92.96	0.32	0.03
		5240	/	/	1.308	1.407	92.96	0.32	0.03
		5745	/	/	1.308	1.407	92.96	0.32	0.03
		5785	/	/	1.308	1.407	92.96	0.32	0.03
		5825	/	/	1.308	1.407	92.96	0.32	0.03
802.11n (HT40)	SISO	5190	/	/	0.648	0.747	86.75	0.62	0.04
		5230	/	/	0.650	0.746	87.13	0.60	0.04
		5755	/	/	0.648	0.747	86.75	0.62	0.04
		5795	/	/	0.648	0.747	86.75	0.62	0.04
802.11ac (VHT20)	SISO	5180	/	/	1.318	1.415	93.14	0.31	0.03
		5200	/	/	1.318	1.415	93.14	0.31	0.03
		5240	/	/	1.318	1.415	93.14	0.31	0.03
		5745	/	/	1.316	1.415	93.00	0.32	0.03
		5785	/	/	1.318	1.415	93.14	0.31	0.03
		5825	/	/	1.318	1.414	93.21	0.31	0.00
802.11ac (VHT40)	SISO	5190	/	/	0.659	0.755	87.28	0.59	0.04
		5230	/	/	0.659	0.755	87.28	0.59	0.04
		5755	/	/	0.659	0.755	87.28	0.59	0.03
		5795	/	/	0.656	0.755	86.89	0.61	0.04
802.11ac (VHT80)	SISO	5210	/	/	0.327	0.423	77.30	1.12	0.23
		5775	/	/	0.327	0.424	77.12	1.13	0.08
802.11ax (HEW20)	SISO	5180	SU	/	1.023	1.119	91.42	0.39	0.00
		5200	SU	/	1.024	1.120	91.43	0.39	0.03
		5240	SU	/	1.020	1.119	91.15	0.40	0.00
		5745	SU	/	1.023	1.120	91.34	0.39	0.03
		5785	SU	/	1.023	1.120	91.34	0.39	0.03
		5825	SU	/	1.023	1.120	91.34	0.39	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.543	0.640	84.84	0.71	0.00
		5230	SU	/	0.544	0.640	85.00	0.71	0.03
		5755	SU	/	0.543	0.639	84.98	0.71	0.03
		5795	SU	/	0.544	0.640	85.00	0.71	0.03
802.11ax (HEW80)	SISO	5210	SU	/	0.293	0.390	75.13	1.24	0.03
		5775	SU	/	0.294	0.390	75.38	1.23	0.04

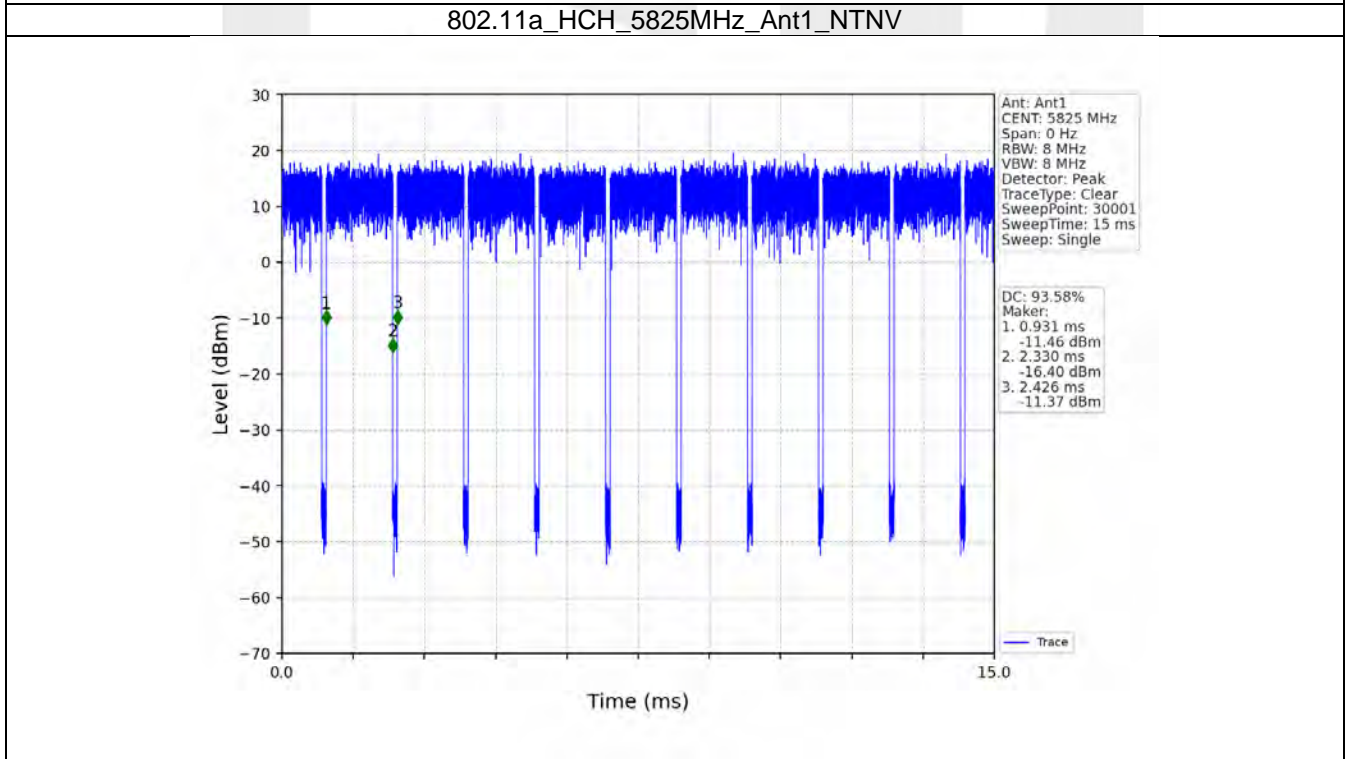
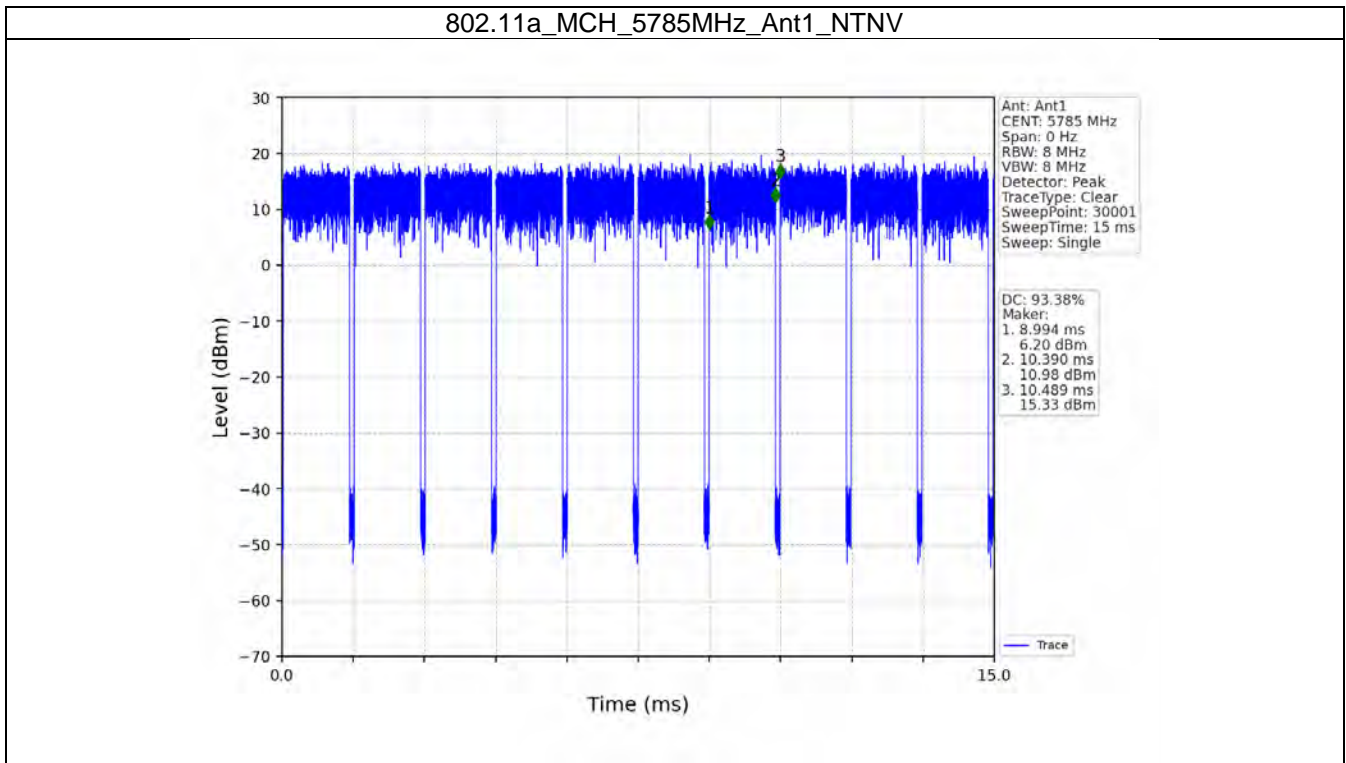
## 1.2 Test Graph

### 1.2.1 Ant1

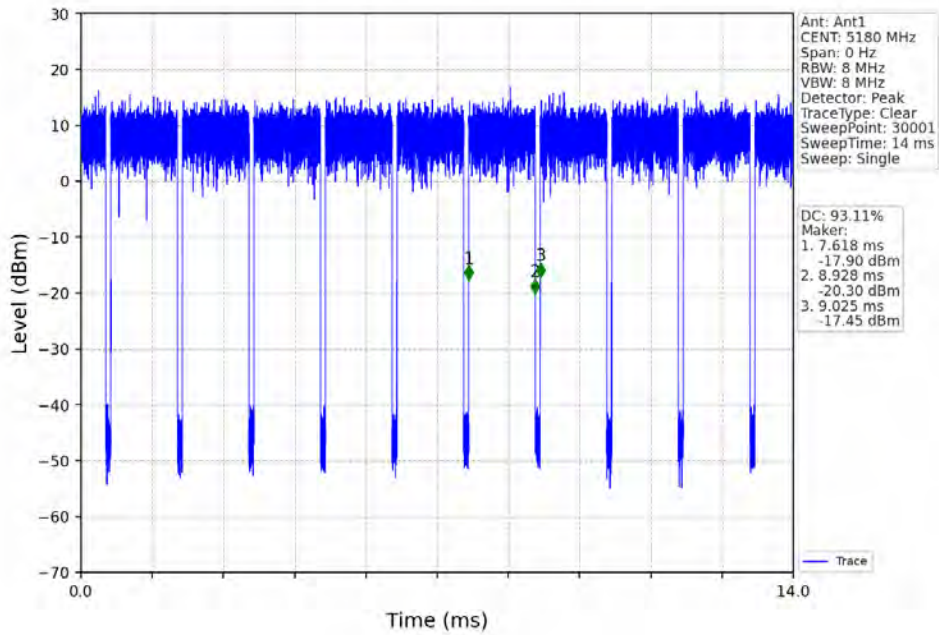




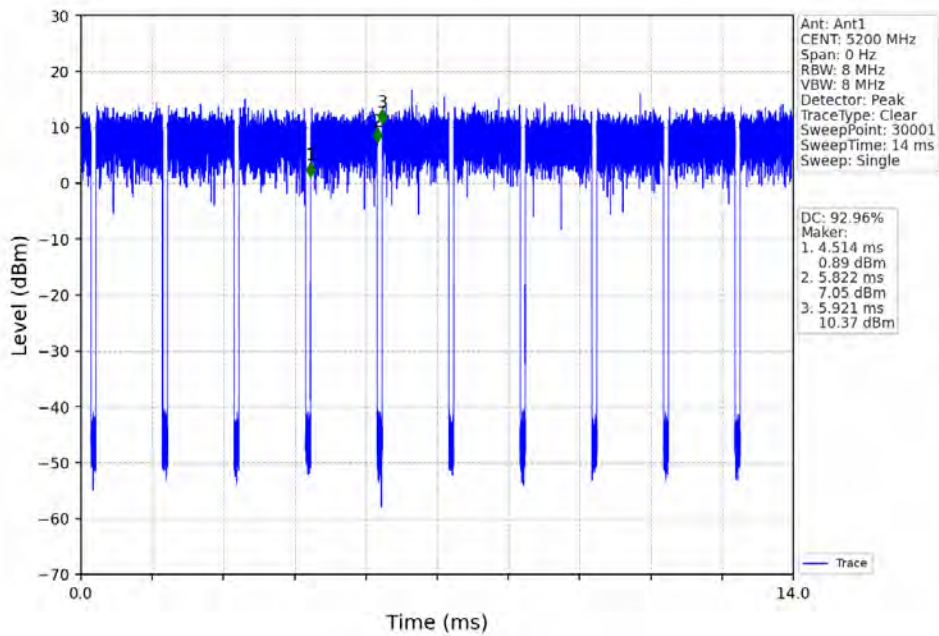




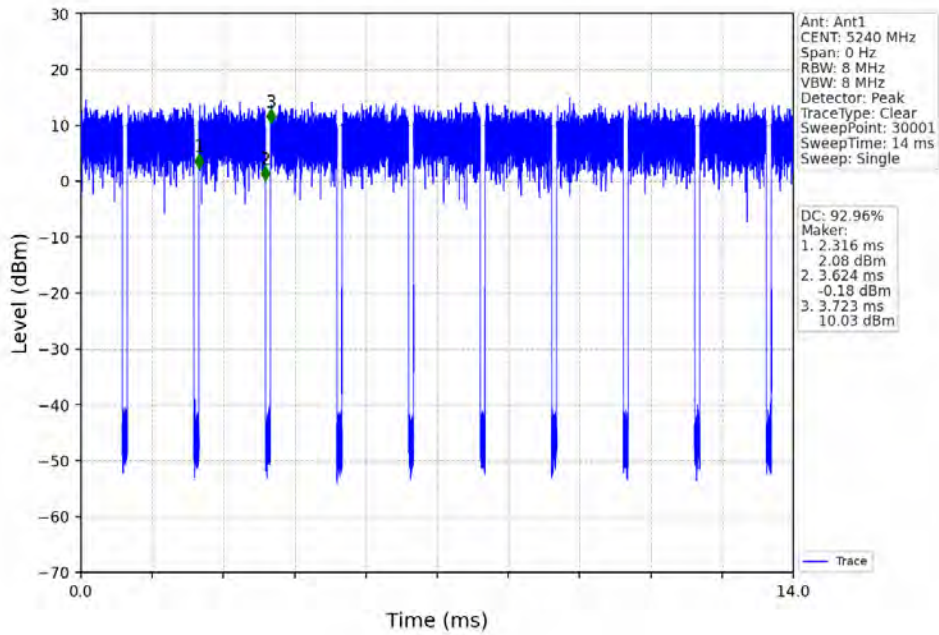
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



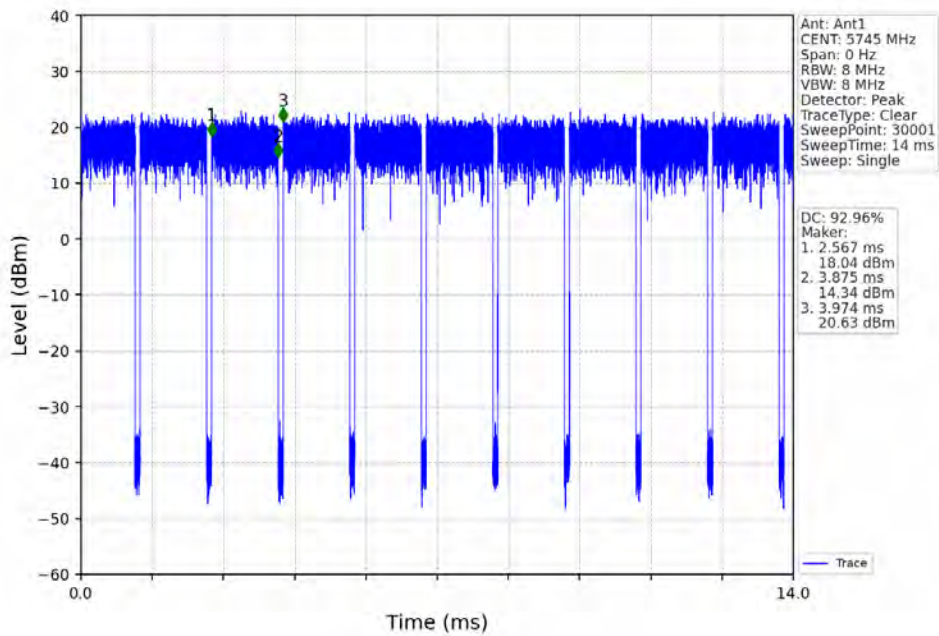
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



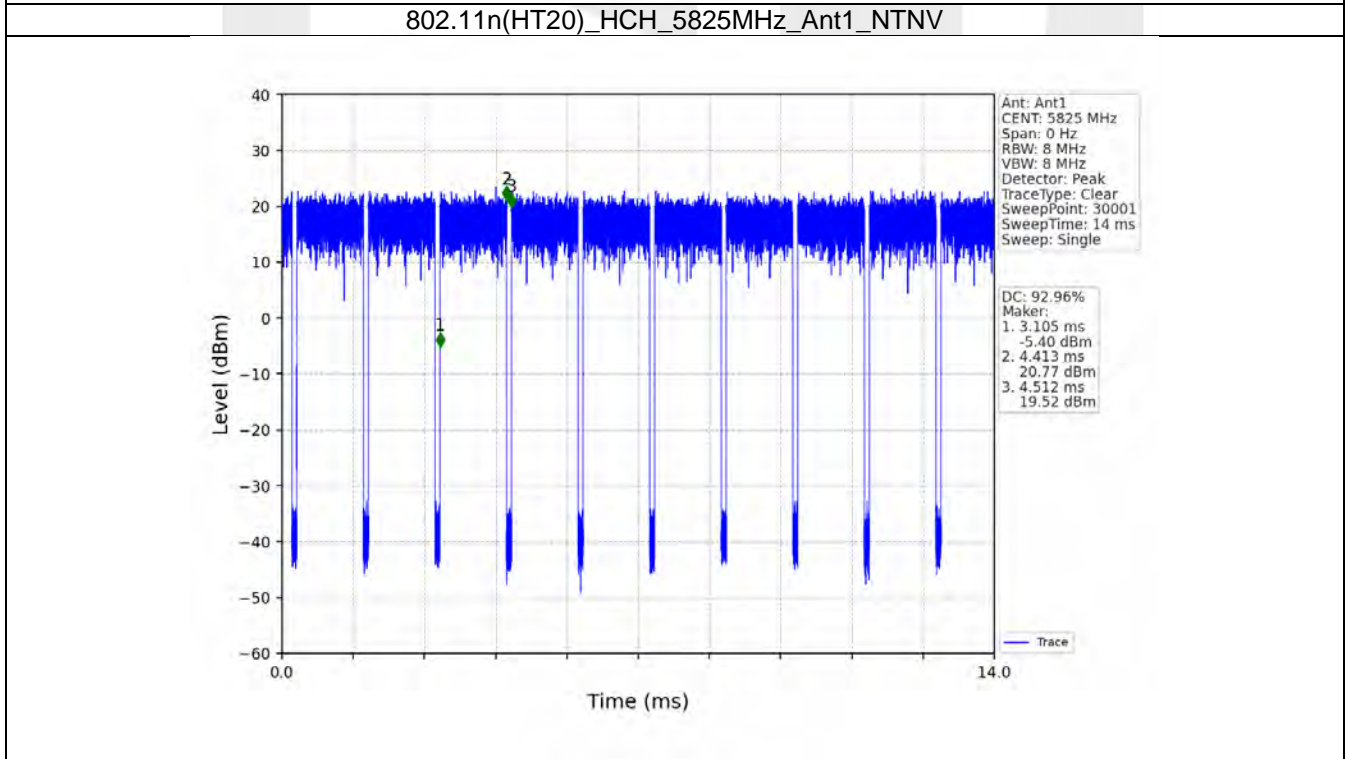
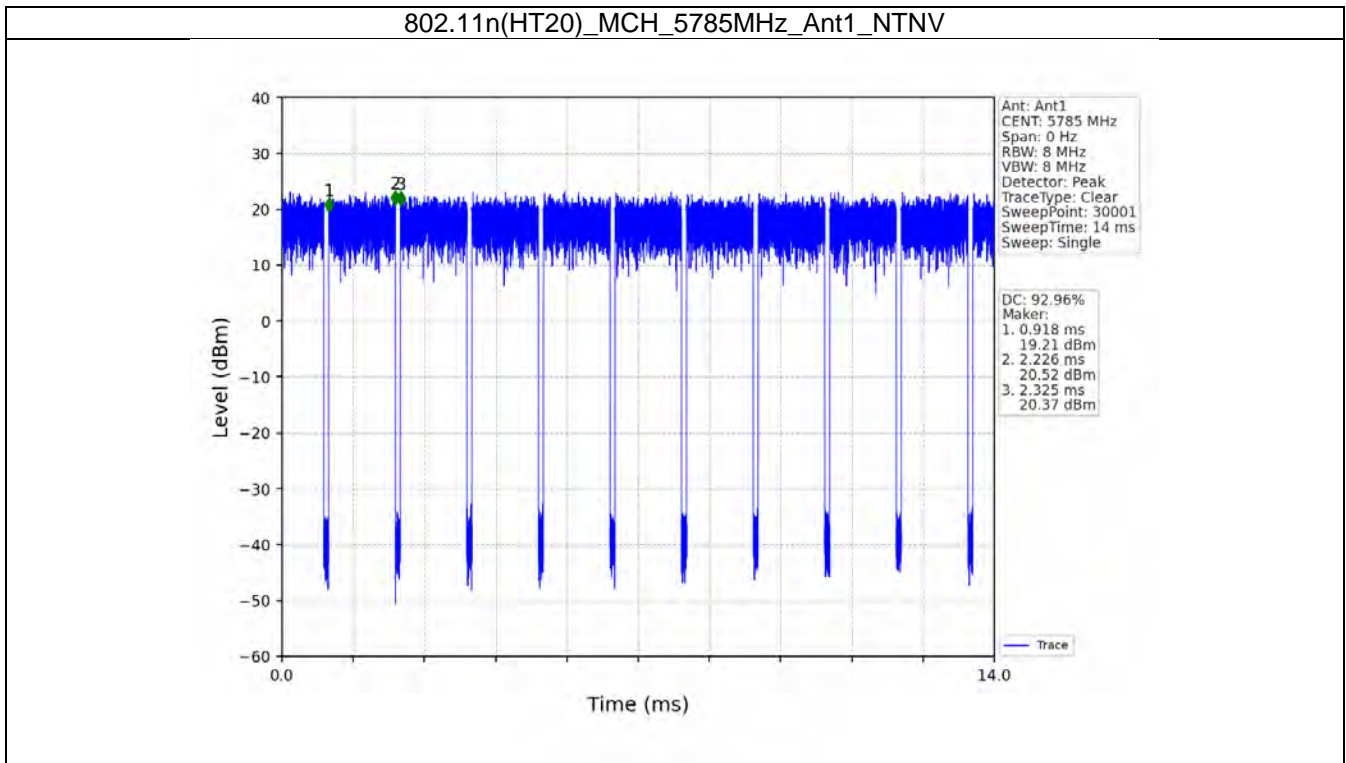
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV

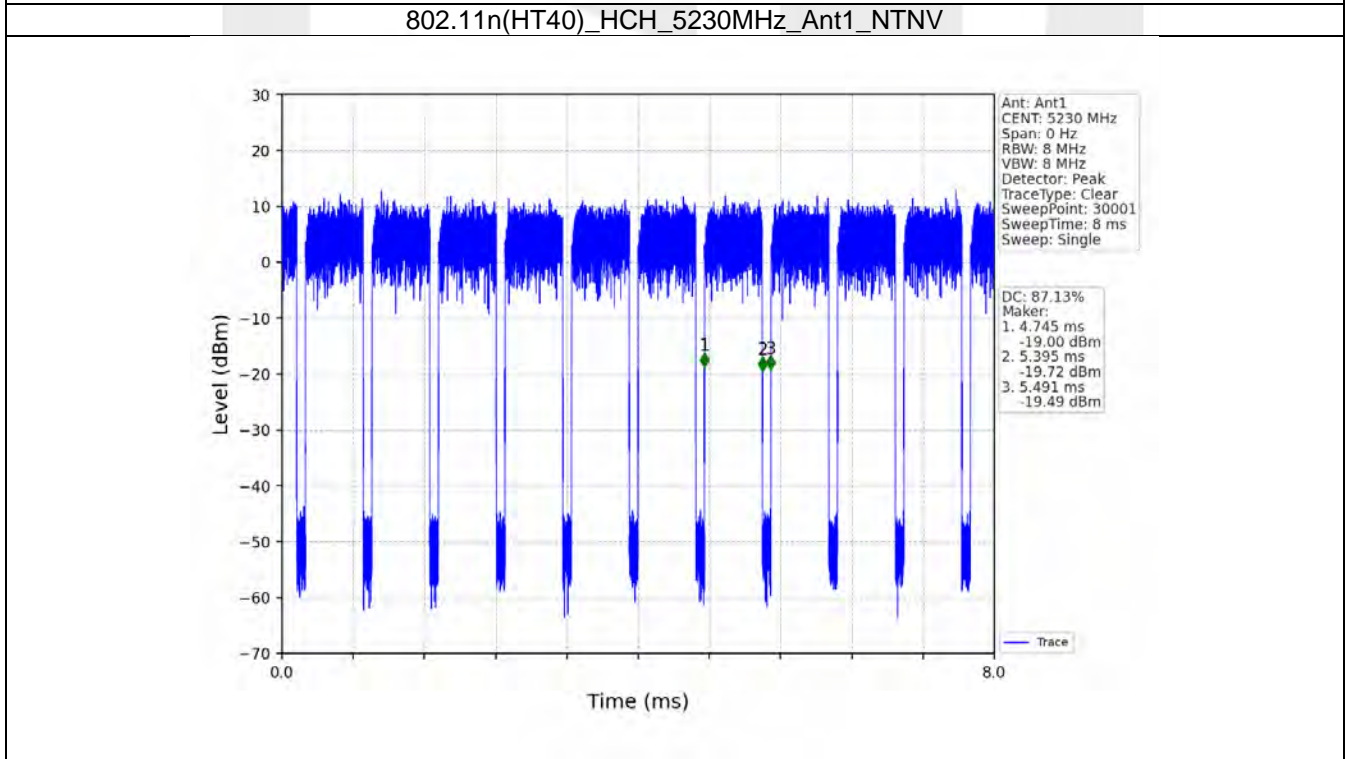
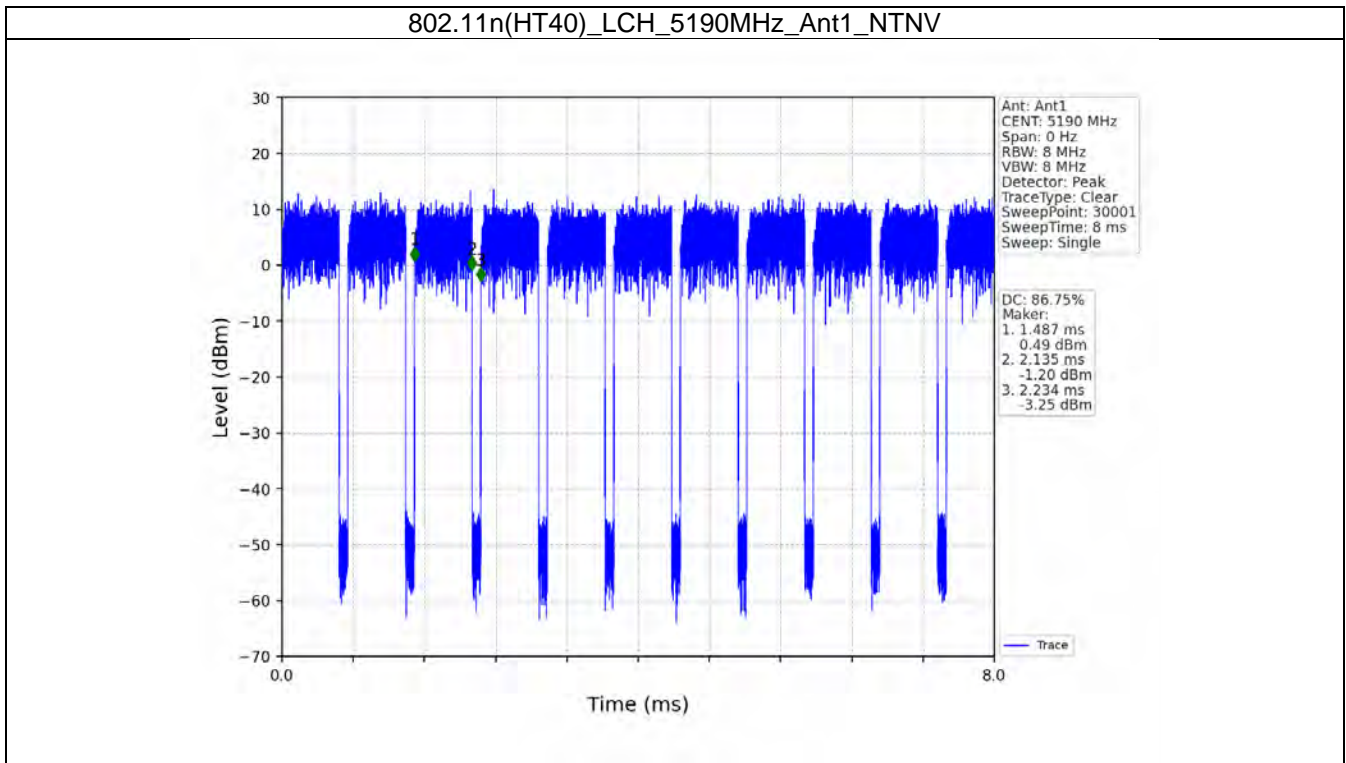


802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV

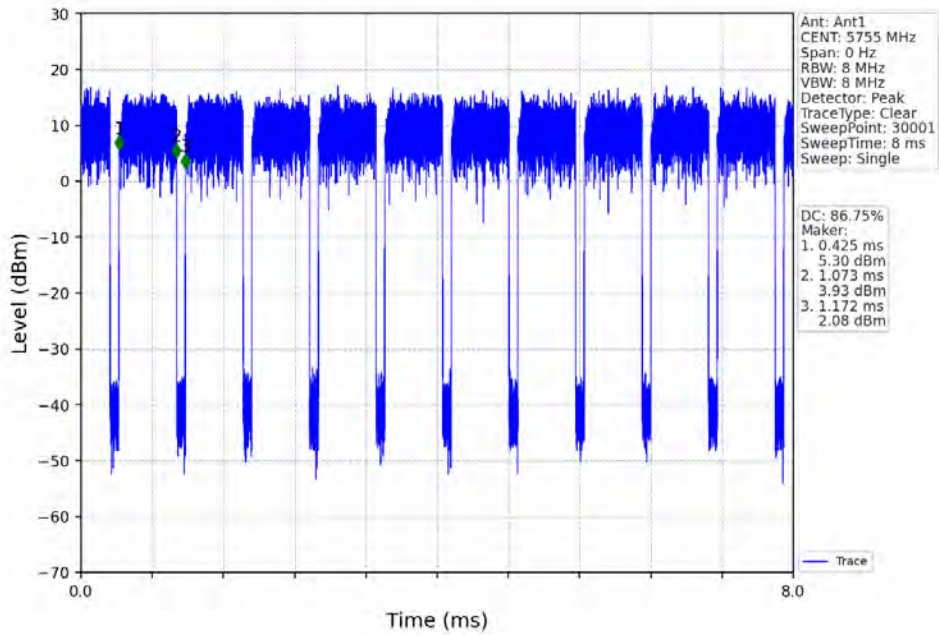




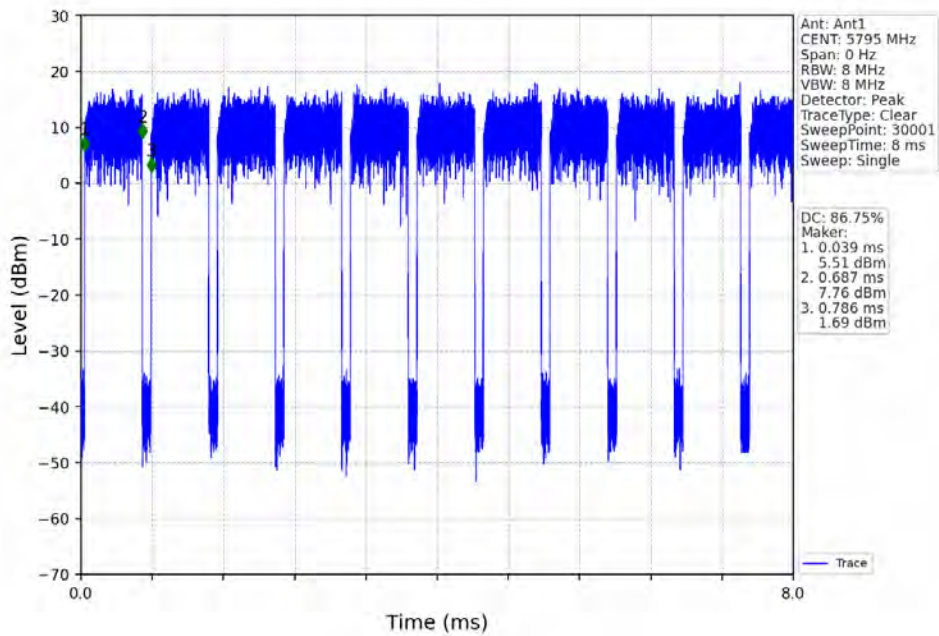




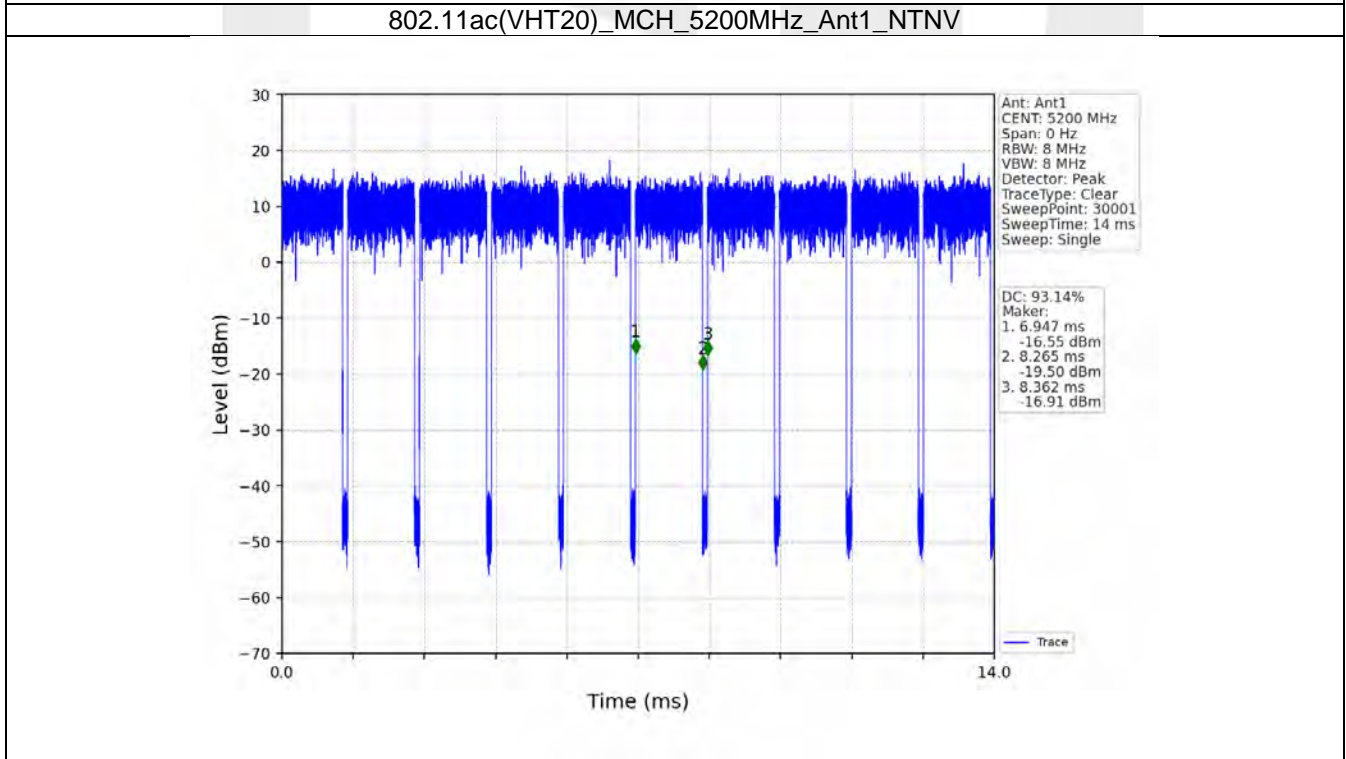
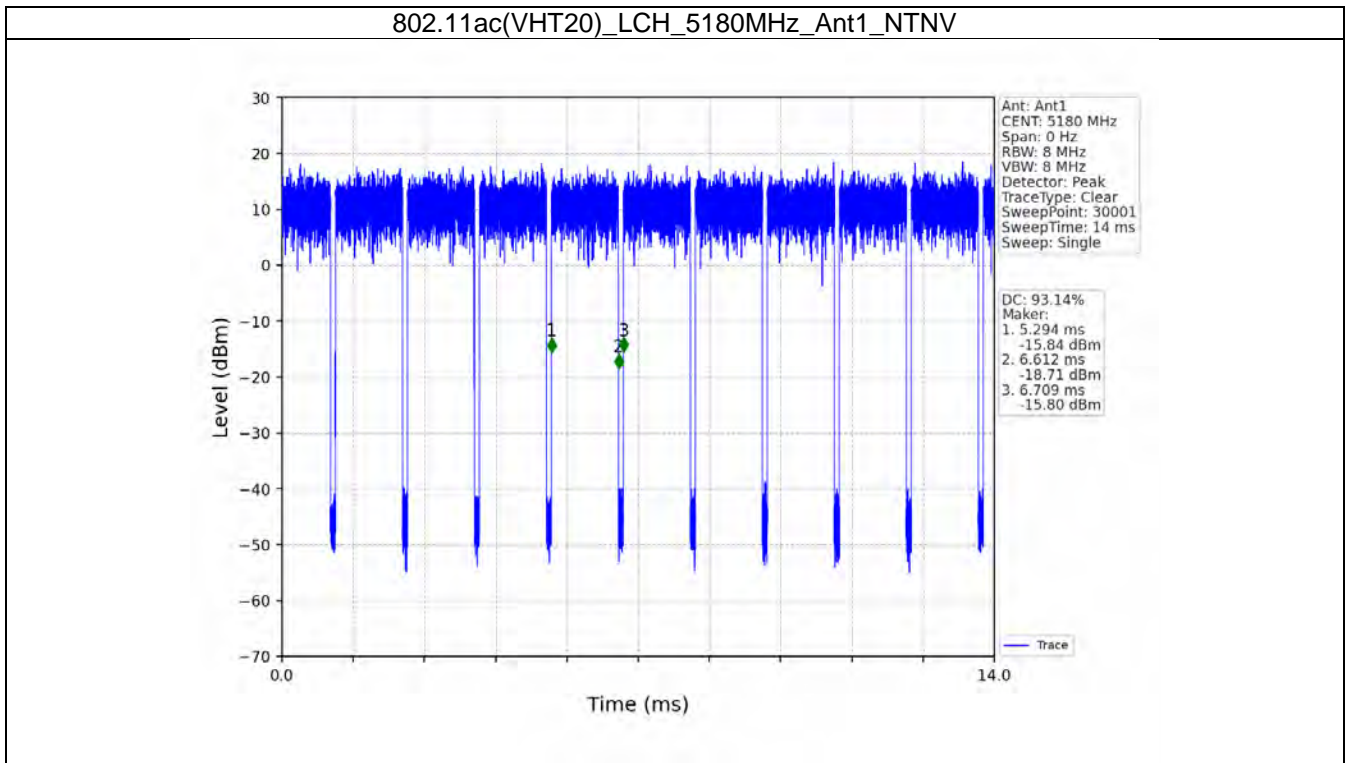
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



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

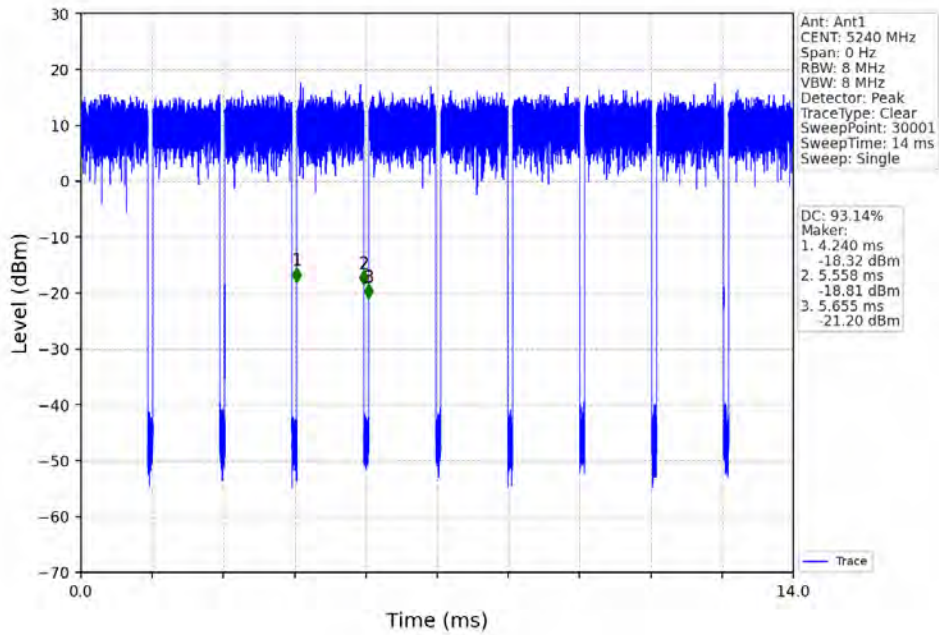




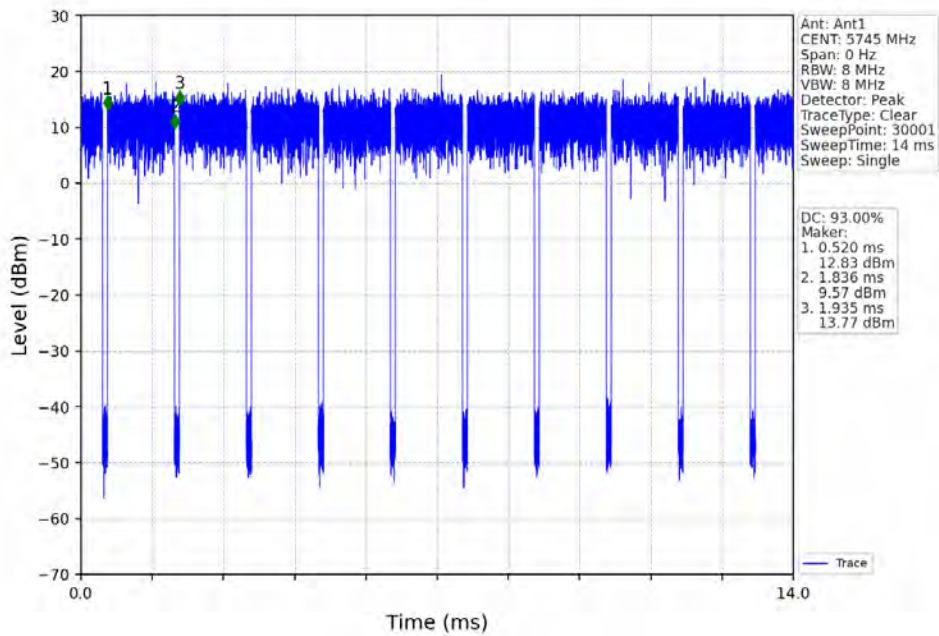


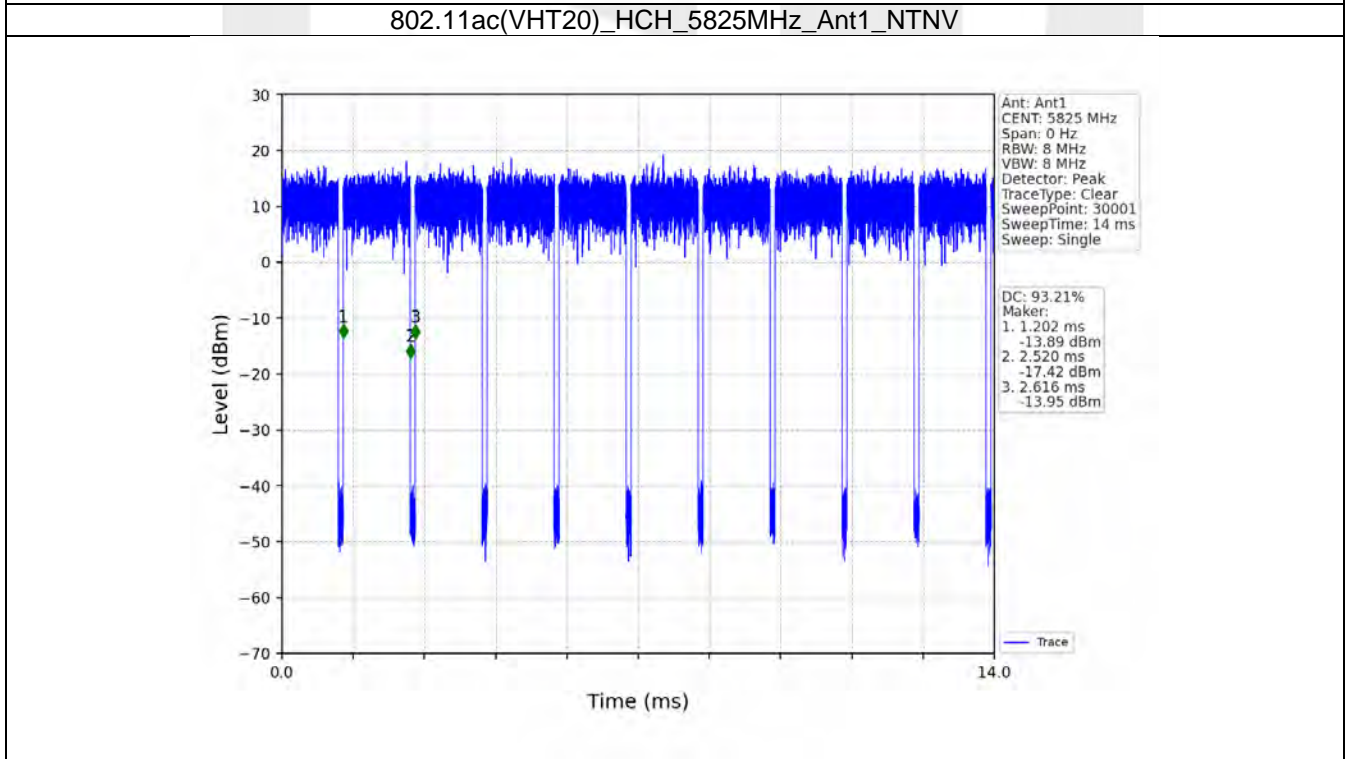
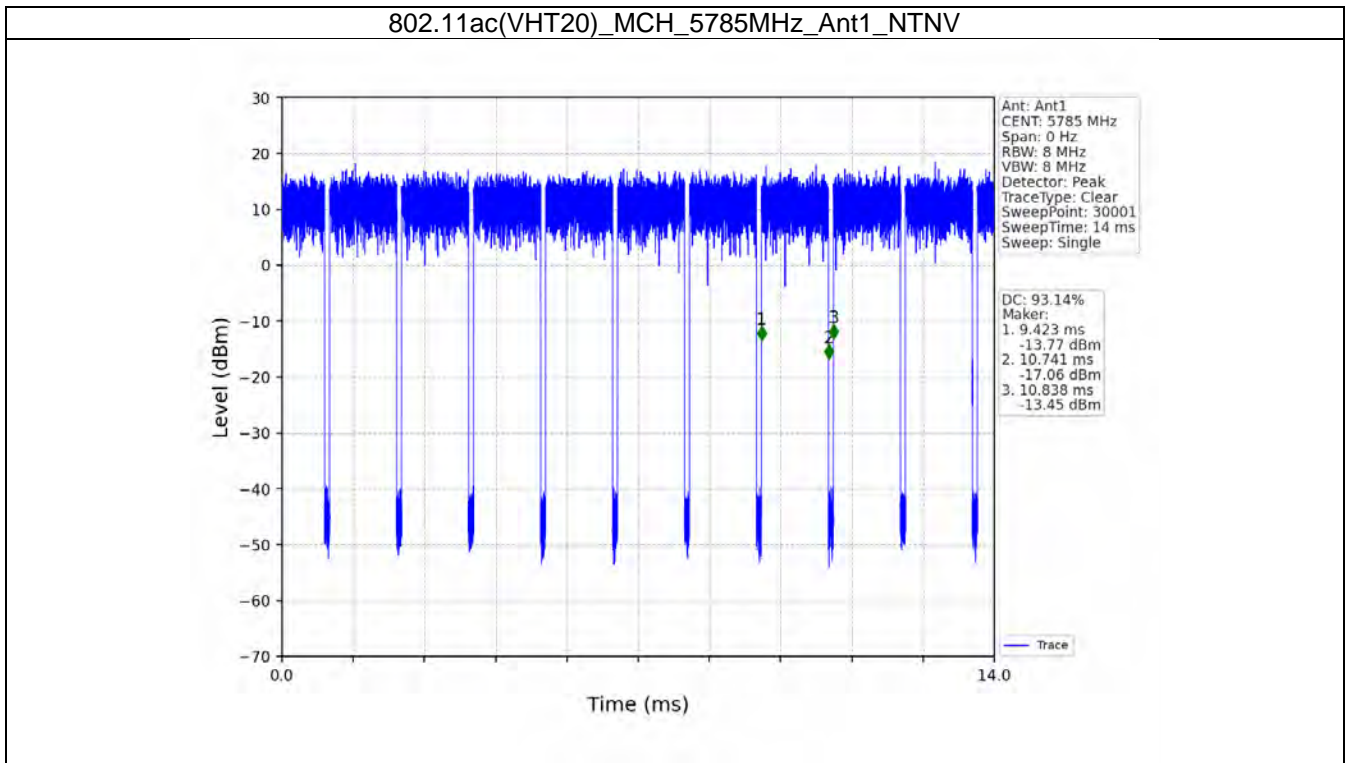


802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV

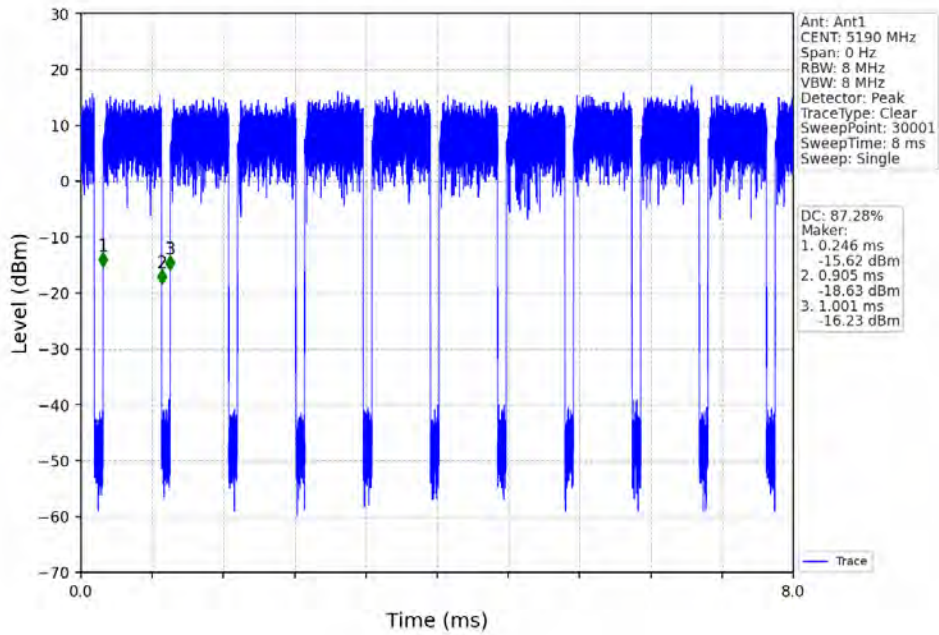


802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV

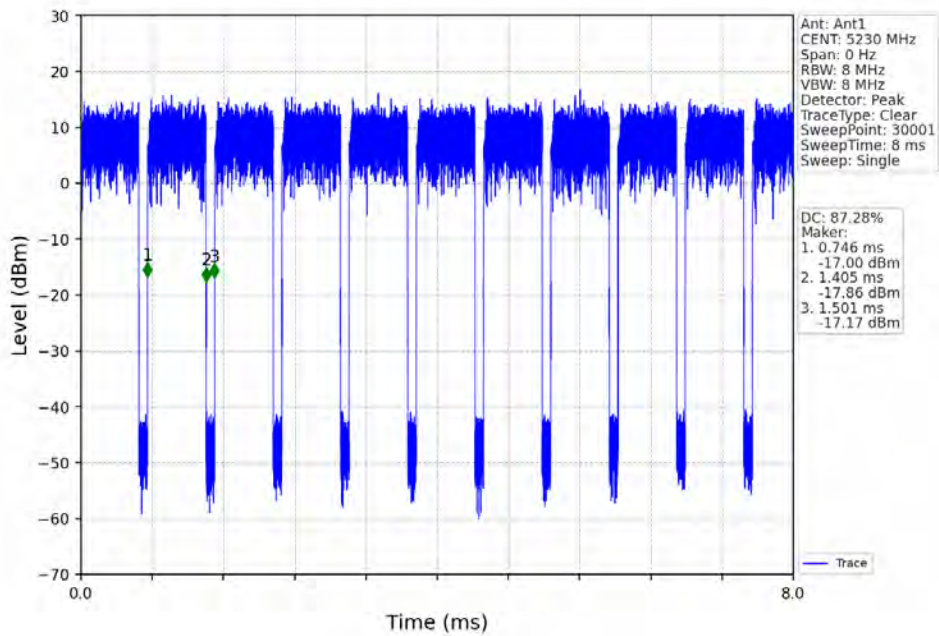




802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV

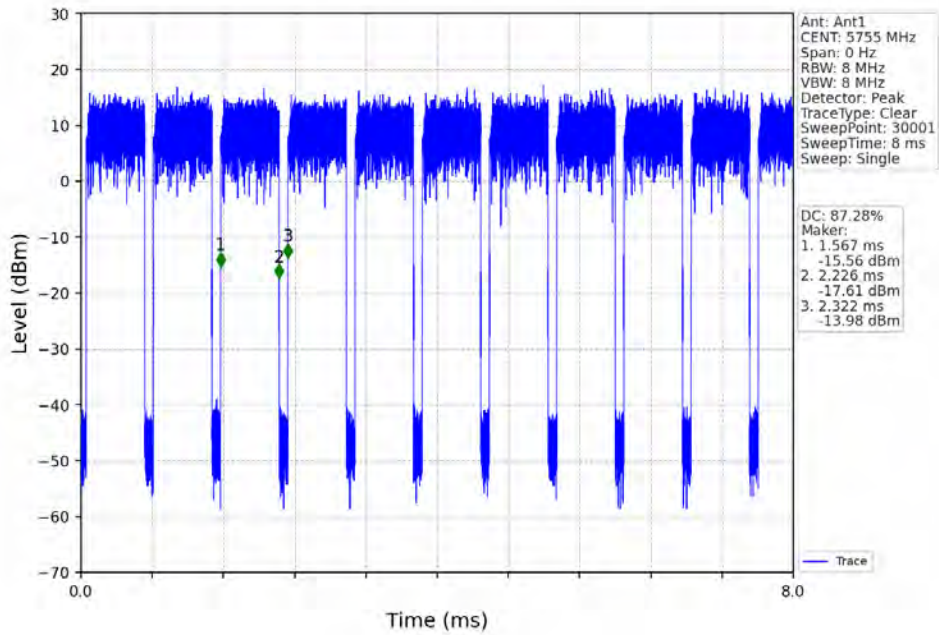


802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV

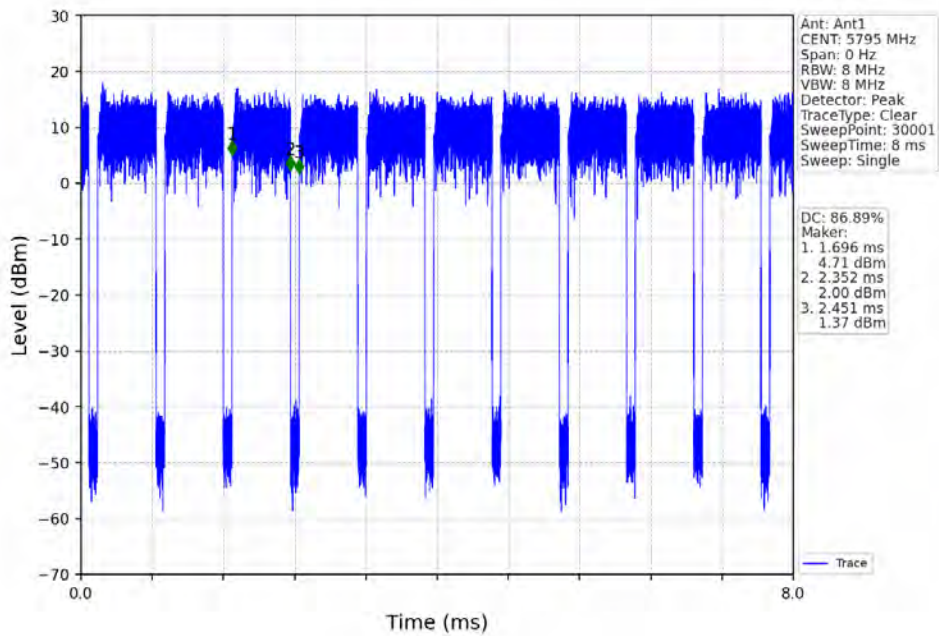




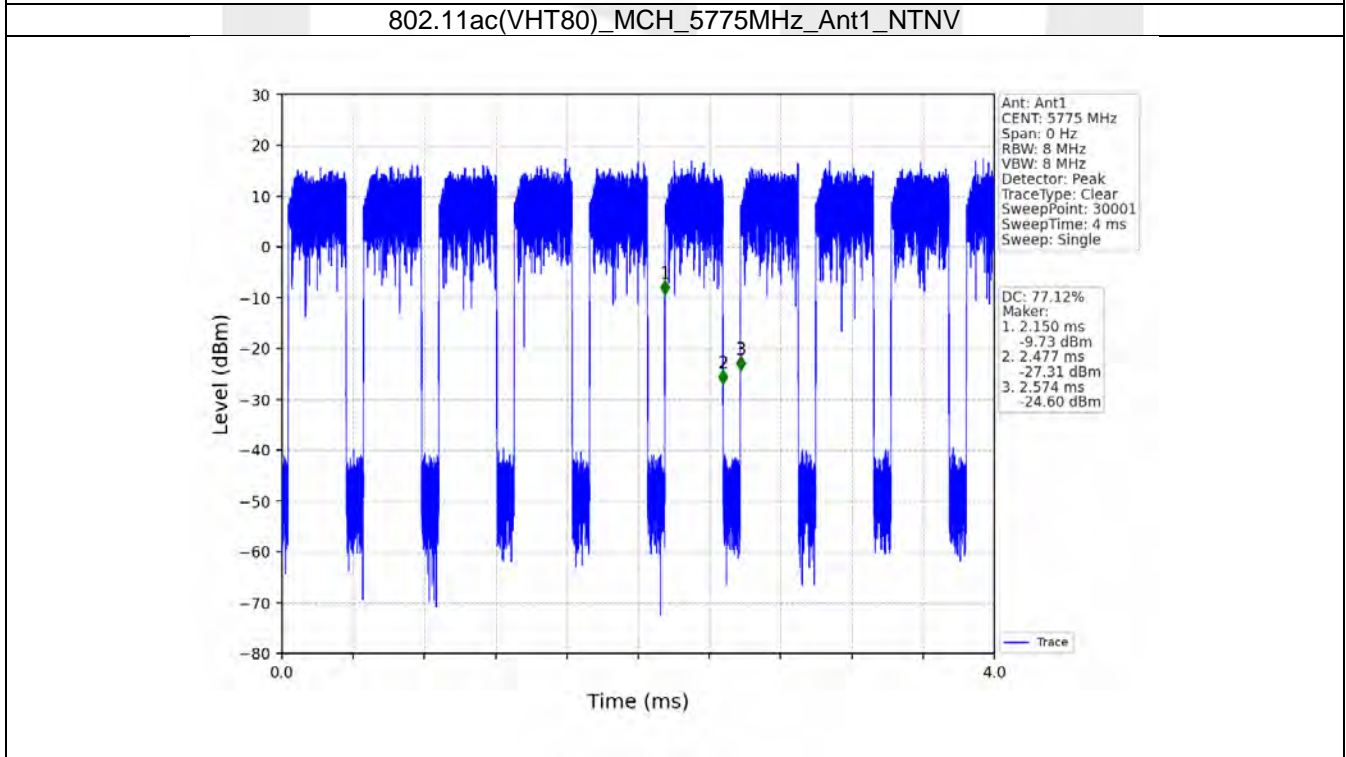
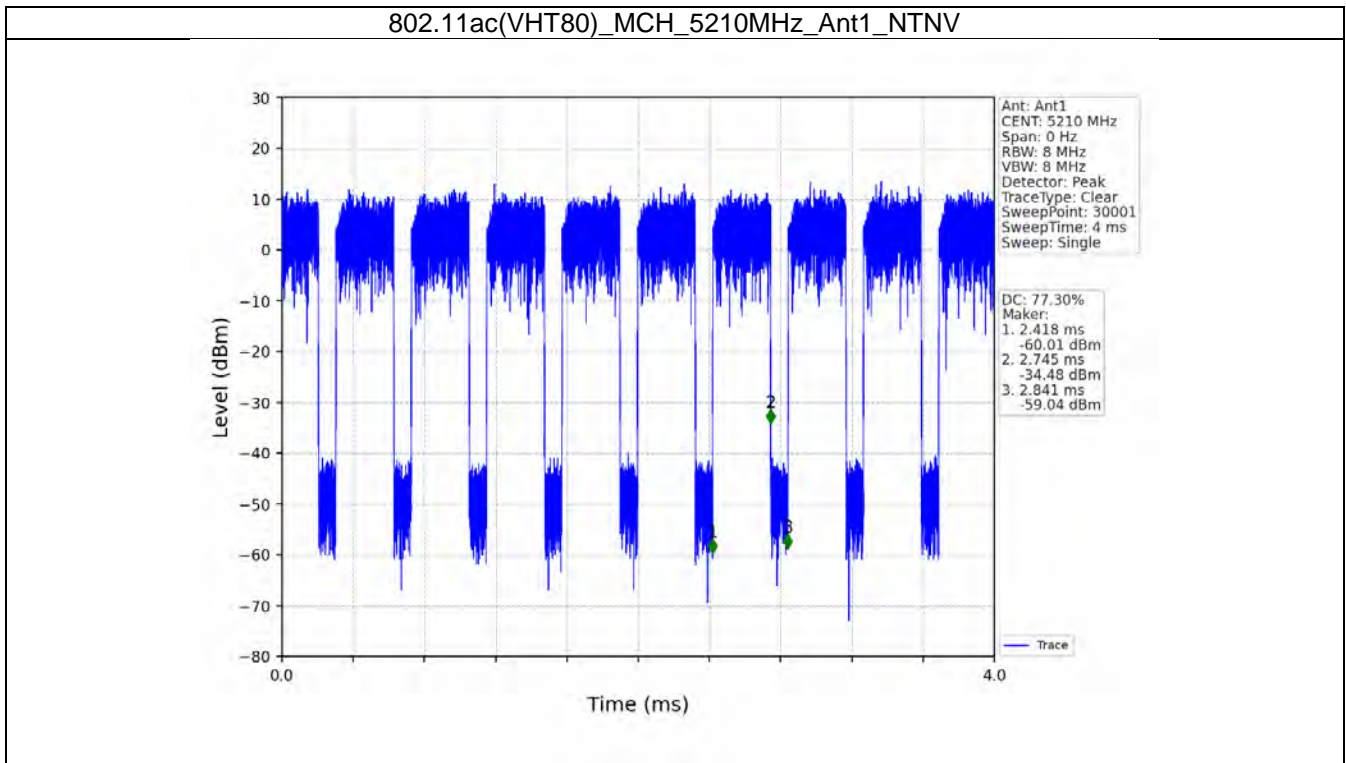
802.11ac(VHT40)\_LCH\_5755MHz\_Ant1\_NTNV

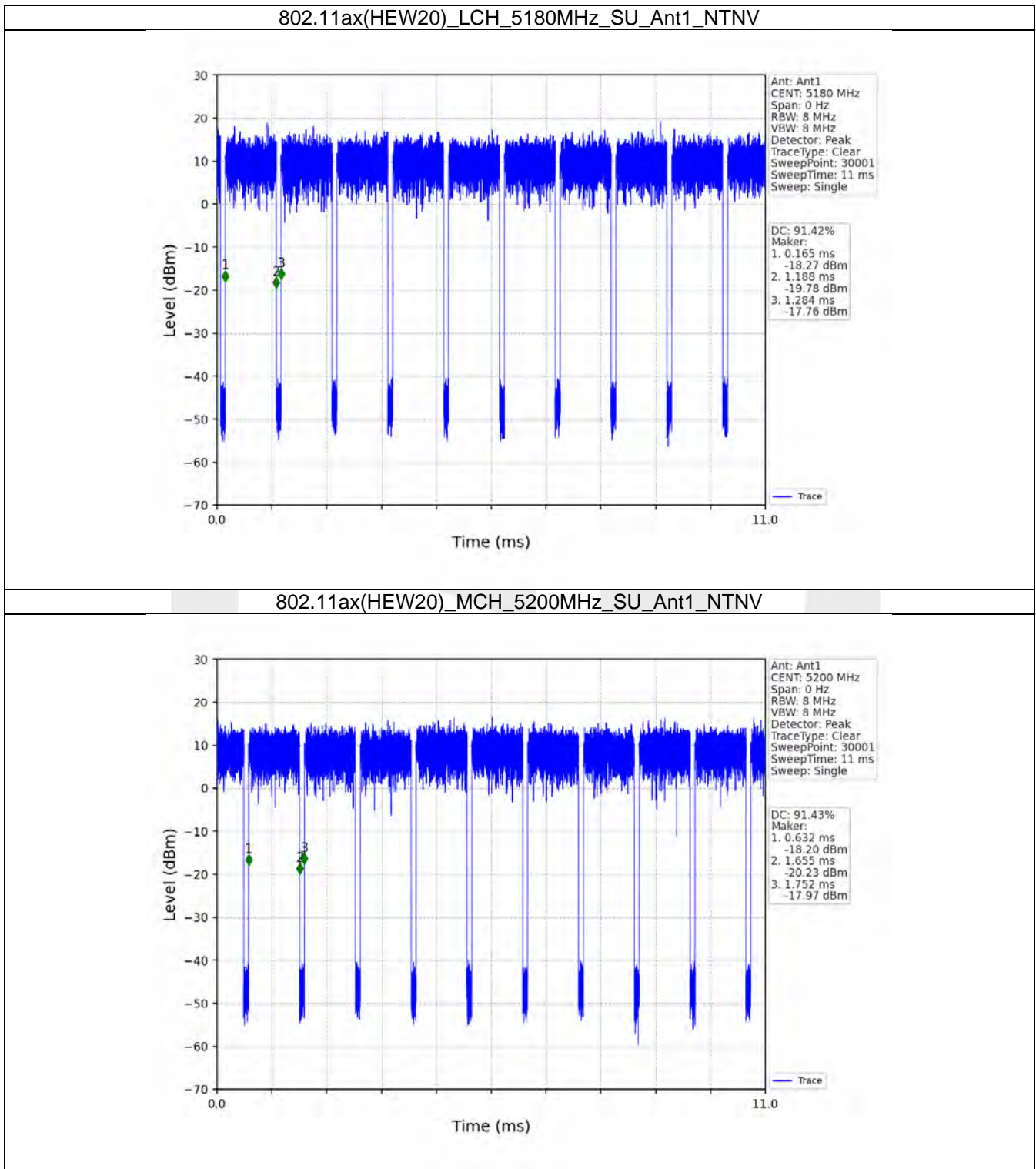


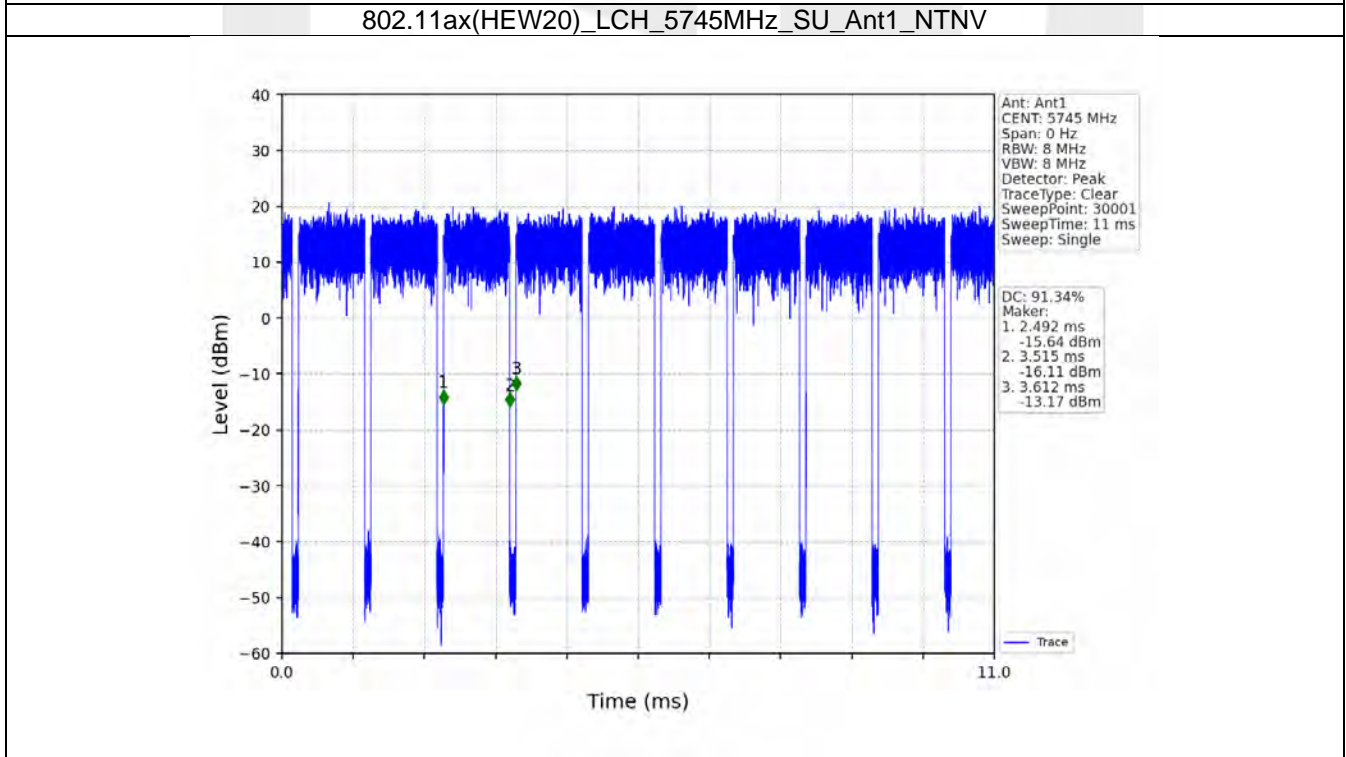
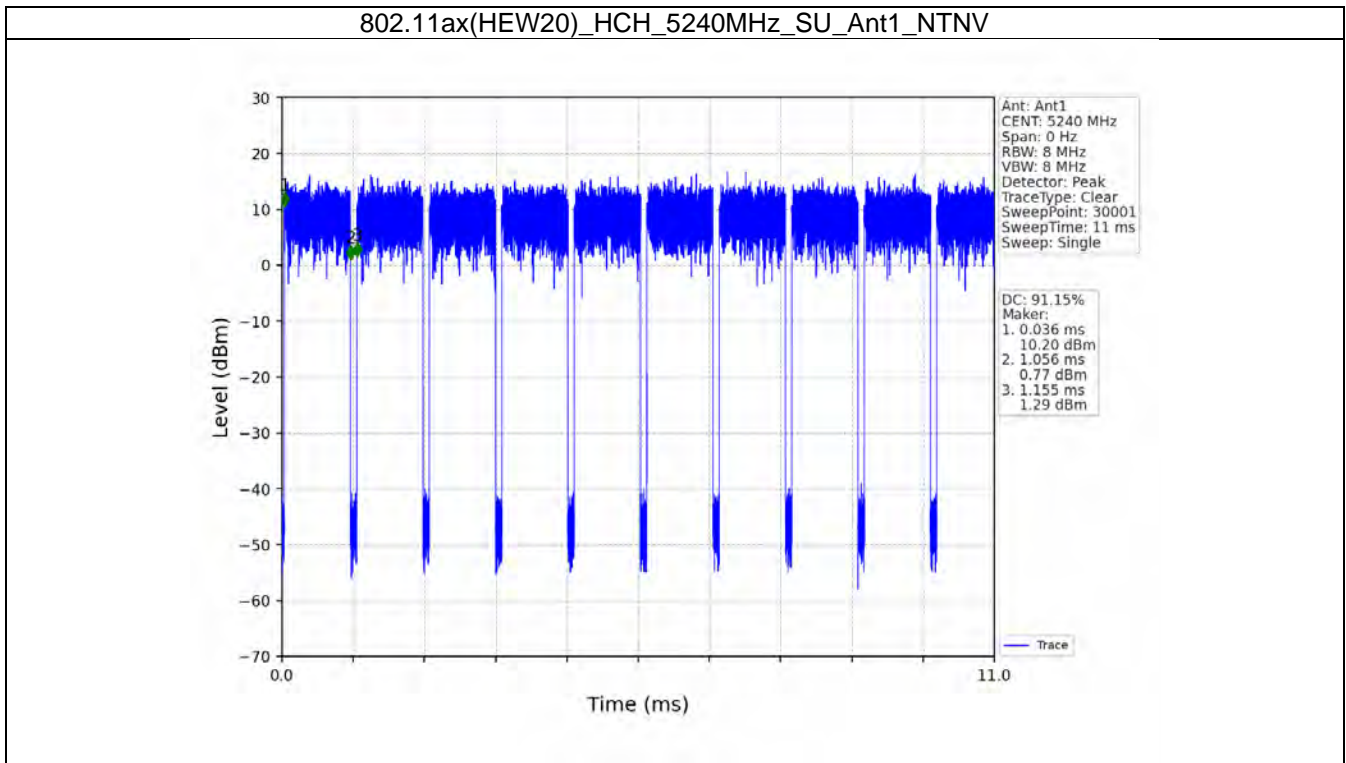
802.11ac(VHT40)\_HCH\_5795MHz\_Ant1\_NTNV



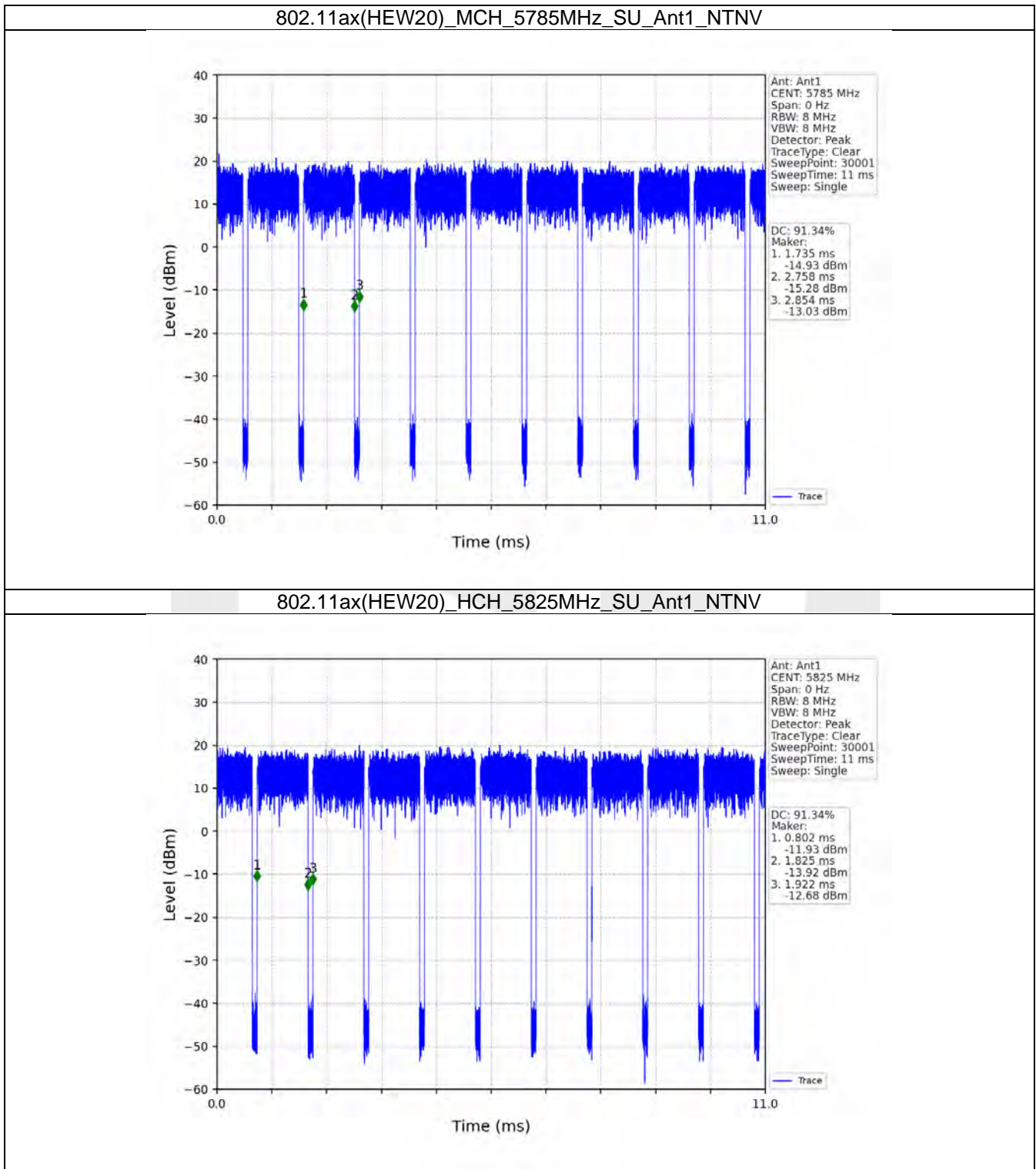




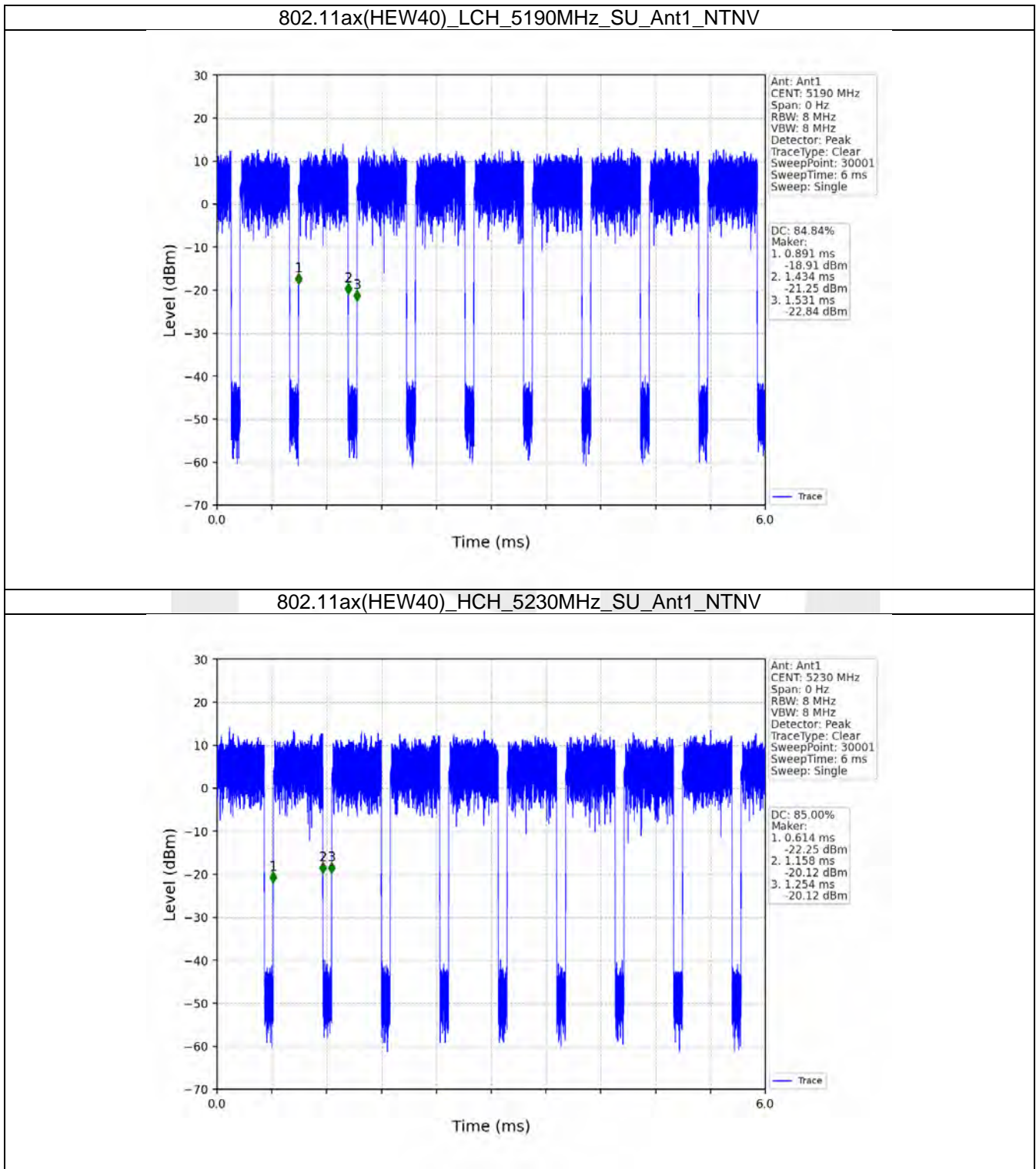


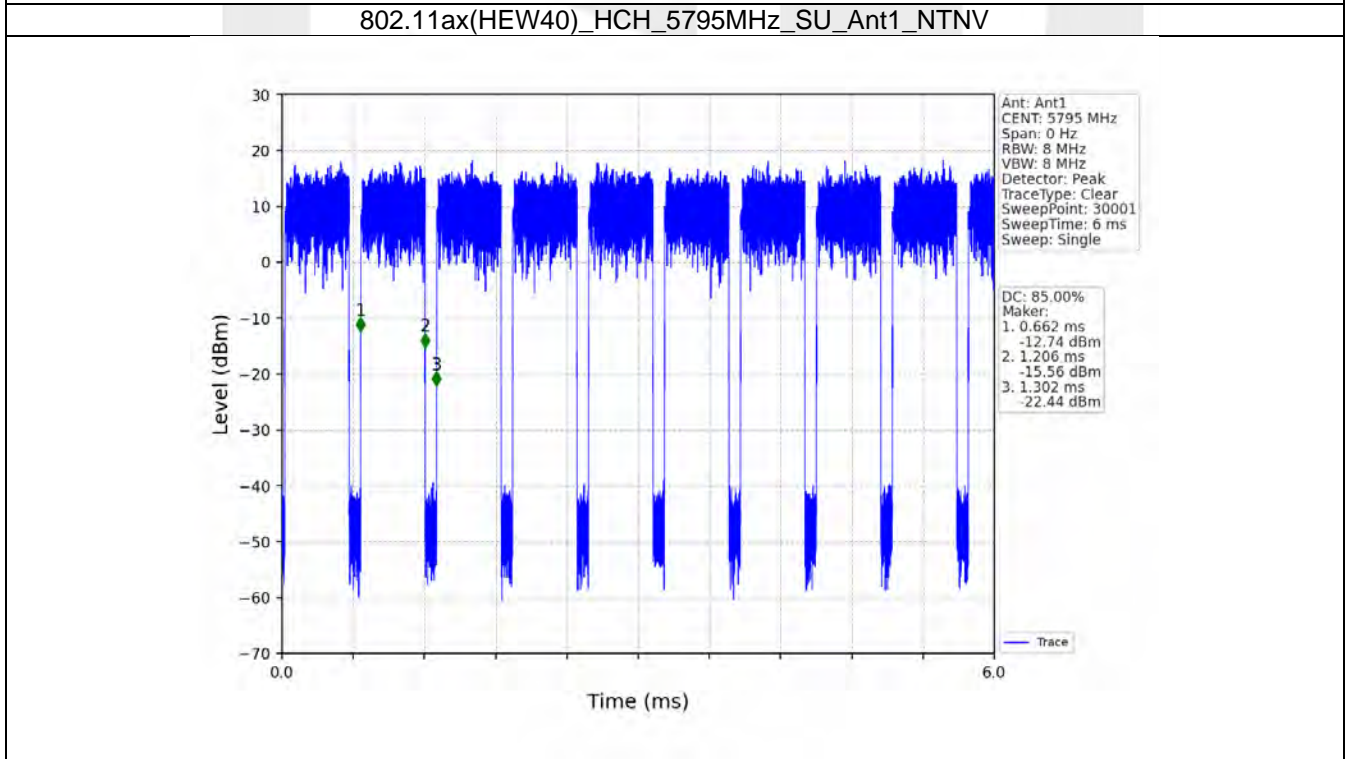
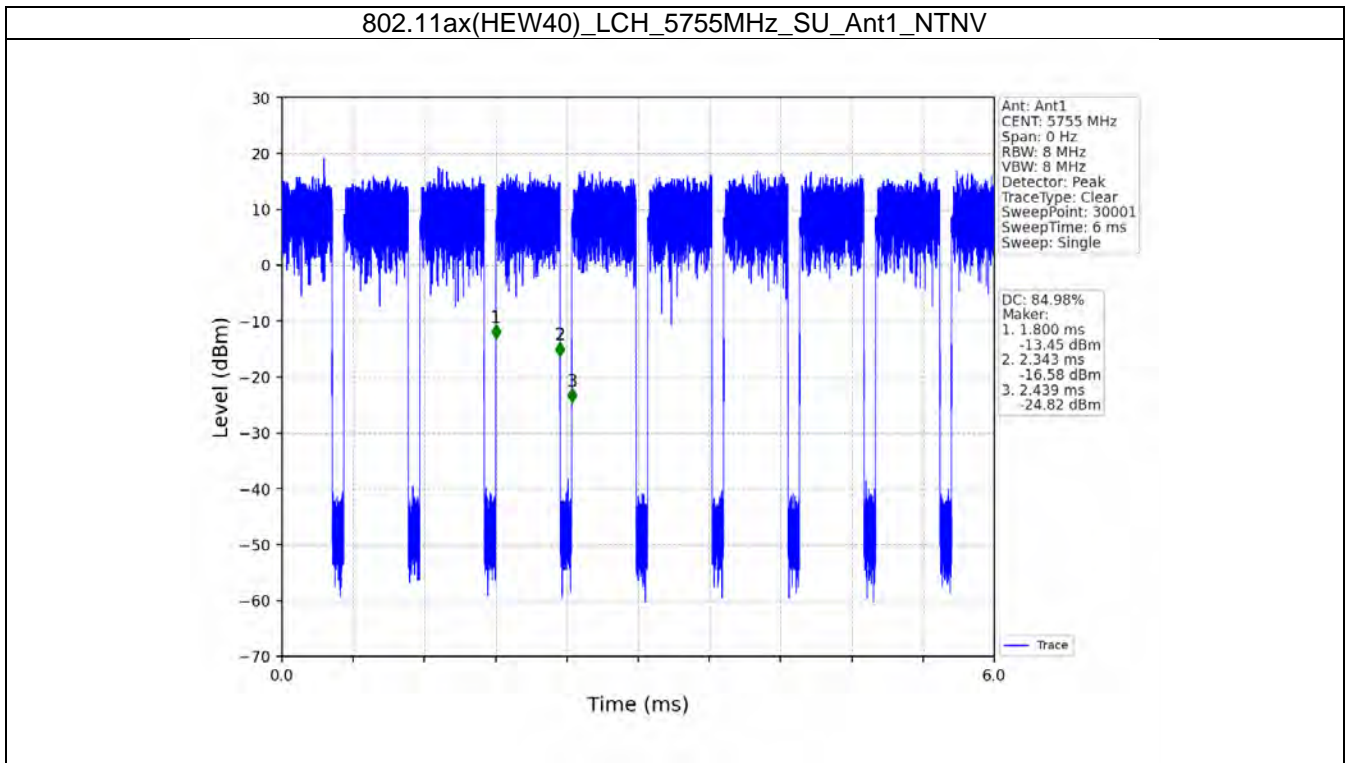


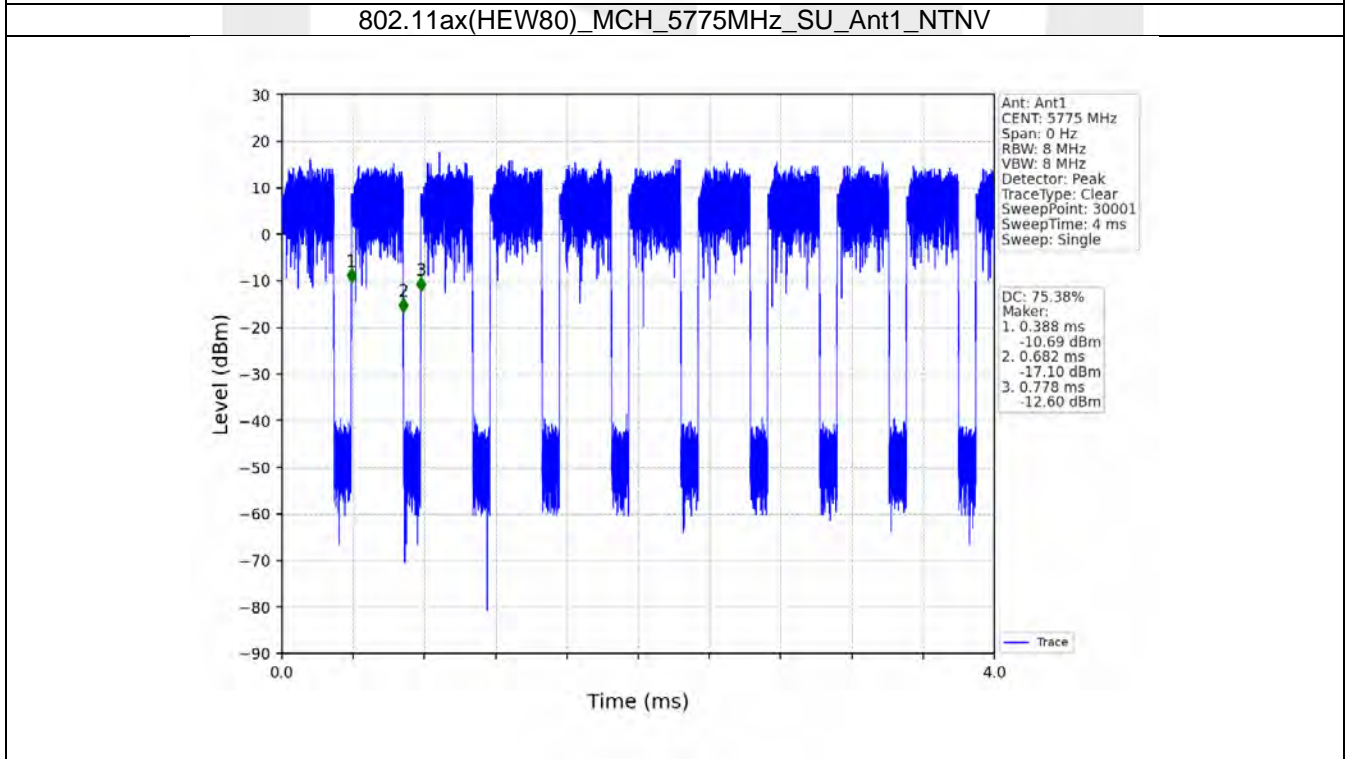
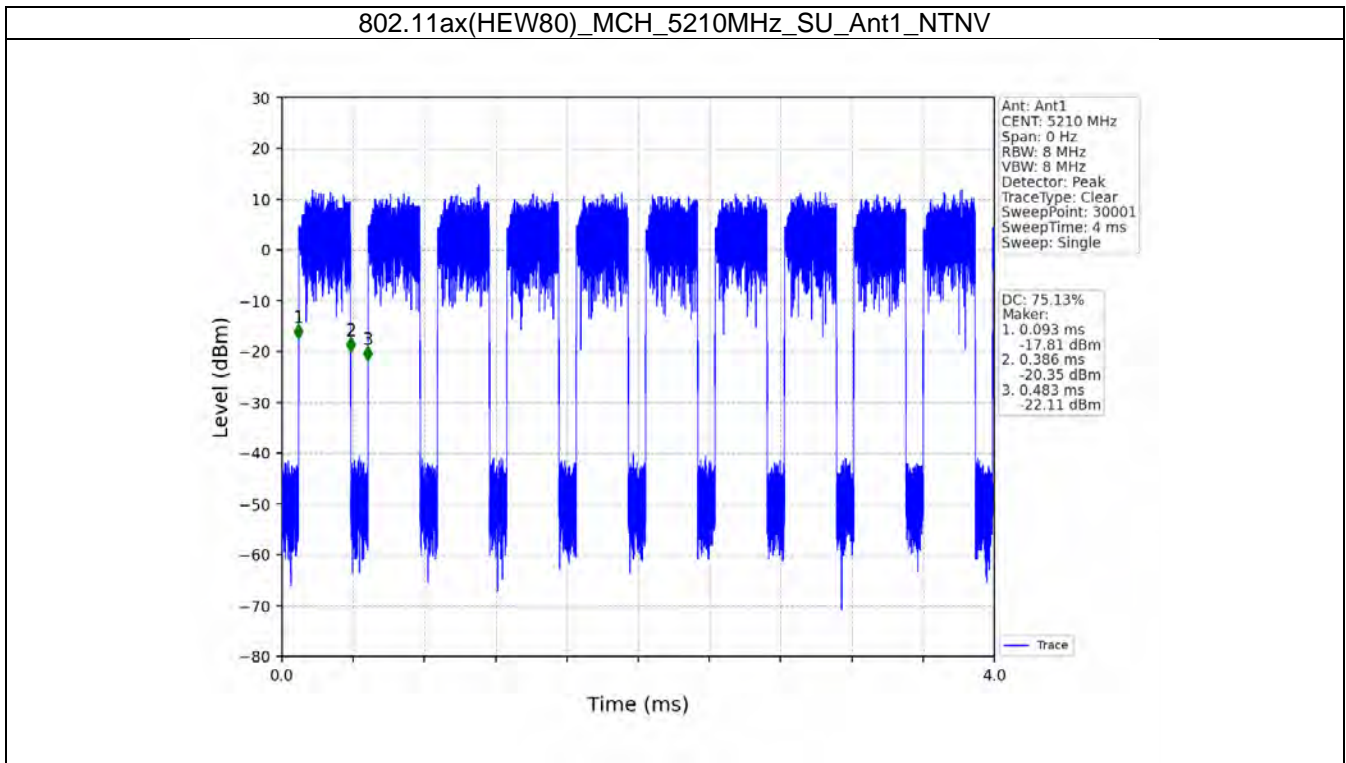














## 2. Bandwidth

### 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	5180	/	/	1	17.563	/	Pass
		5200	/	/	1	17.639	/	Pass
		5240	/	/	1	17.515	/	Pass
		5745	/	/	1	17.662	/	Pass
		5785	/	/	1	17.519	/	Pass
		5825	/	/	1	17.469	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.553	/	Pass
		5200	/	/	1	18.612	/	Pass
		5240	/	/	1	18.526	/	Pass
		5745	/	/	1	18.955	/	Pass
		5785	/	/	1	18.905	/	Pass
		5825	/	/	1	18.885	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.437	/	Pass
		5230	/	/	1	36.338	/	Pass
		5755	/	/	1	36.382	/	Pass
		5795	/	/	1	36.113	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.614	/	Pass
		5200	/	/	1	18.654	/	Pass
		5240	/	/	1	18.565	/	Pass
		5745	/	/	1	18.465	/	Pass
		5785	/	/	1	18.401	/	Pass
		5825	/	/	1	18.456	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.448	/	Pass
		5230	/	/	1	36.481	/	Pass
		5755	/	/	1	36.367	/	Pass
		5795	/	/	1	36.120	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.172	/	Pass
		5775	/	/	1	76.219	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.140	/	Pass
		5200	SU	/	1	19.191	/	Pass
		5240	SU	/	1	19.194	/	Pass
		5745	SU	/	1	19.203	/	Pass
		5785	SU	/	1	19.146	/	Pass
		5825	SU	/	1	19.175	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.226	/	Pass
		5230	SU	/	1	38.107	/	Pass
		5755	SU	/	1	38.350	/	Pass
		5795	SU	/	1	38.349	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	78.516	/	Pass
		5775	SU	/	1	79.049	/	Pass



**2.1.2 6dB BW**

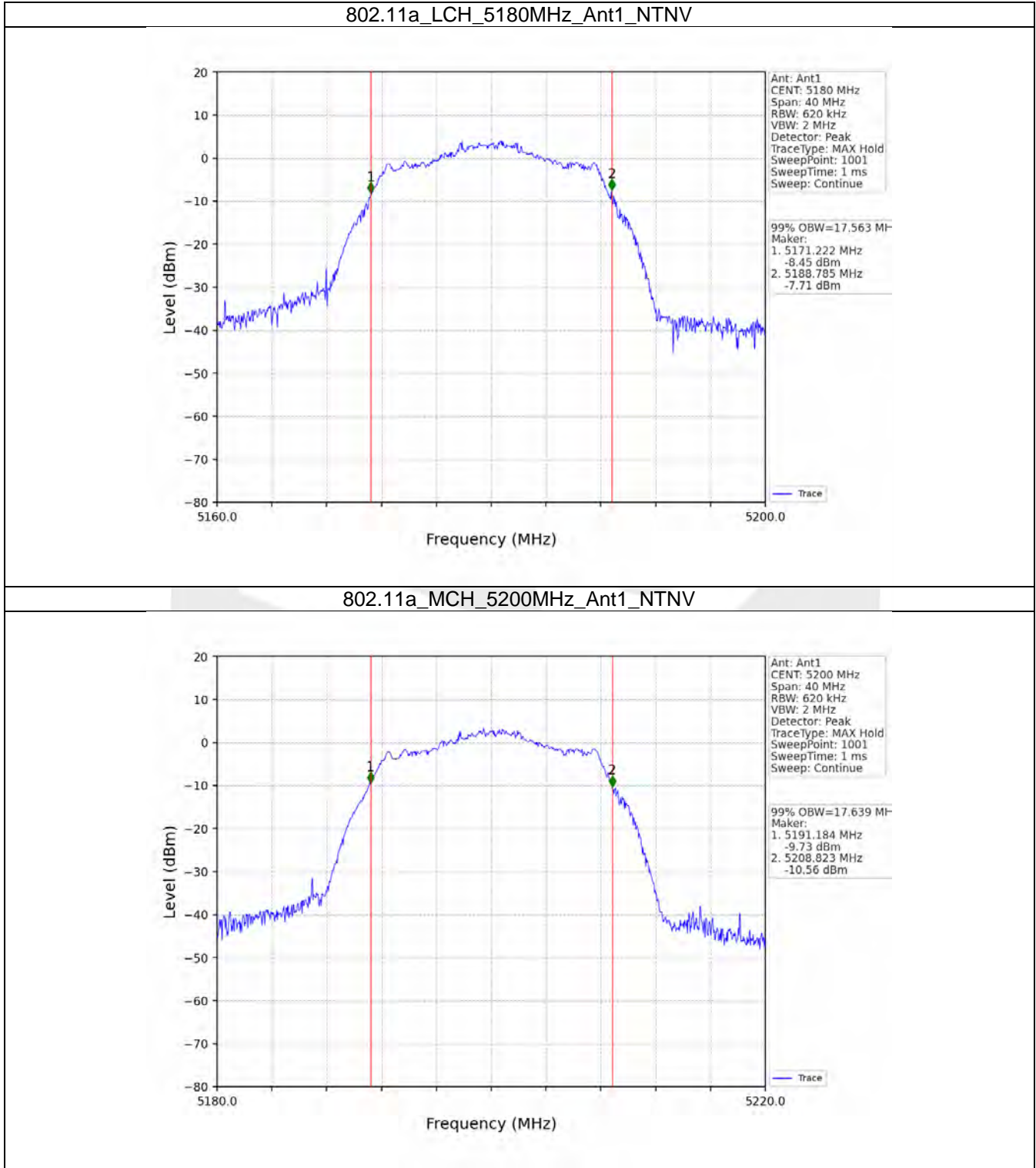
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	15.230	>=0.5	Pass
		5785	/	/	1	15.226	>=0.5	Pass
		5825	/	/	1	15.228	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	15.227	>=0.5	Pass
		5785	/	/	1	15.232	>=0.5	Pass
		5825	/	/	1	15.217	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	35.231	>=0.5	Pass
		5795	/	/	1	35.217	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	15.240	>=0.5	Pass
		5785	/	/	1	15.222	>=0.5	Pass
		5825	/	/	1	15.232	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	35.234	>=0.5	Pass
		5795	/	/	1	35.217	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.229	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	18.764	>=0.5	Pass
		5785	SU	/	1	18.558	>=0.5	Pass
		5825	SU	/	1	17.539	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	37.815	>=0.5	Pass
		5795	SU	/	1	37.629	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	77.303	>=0.5	Pass

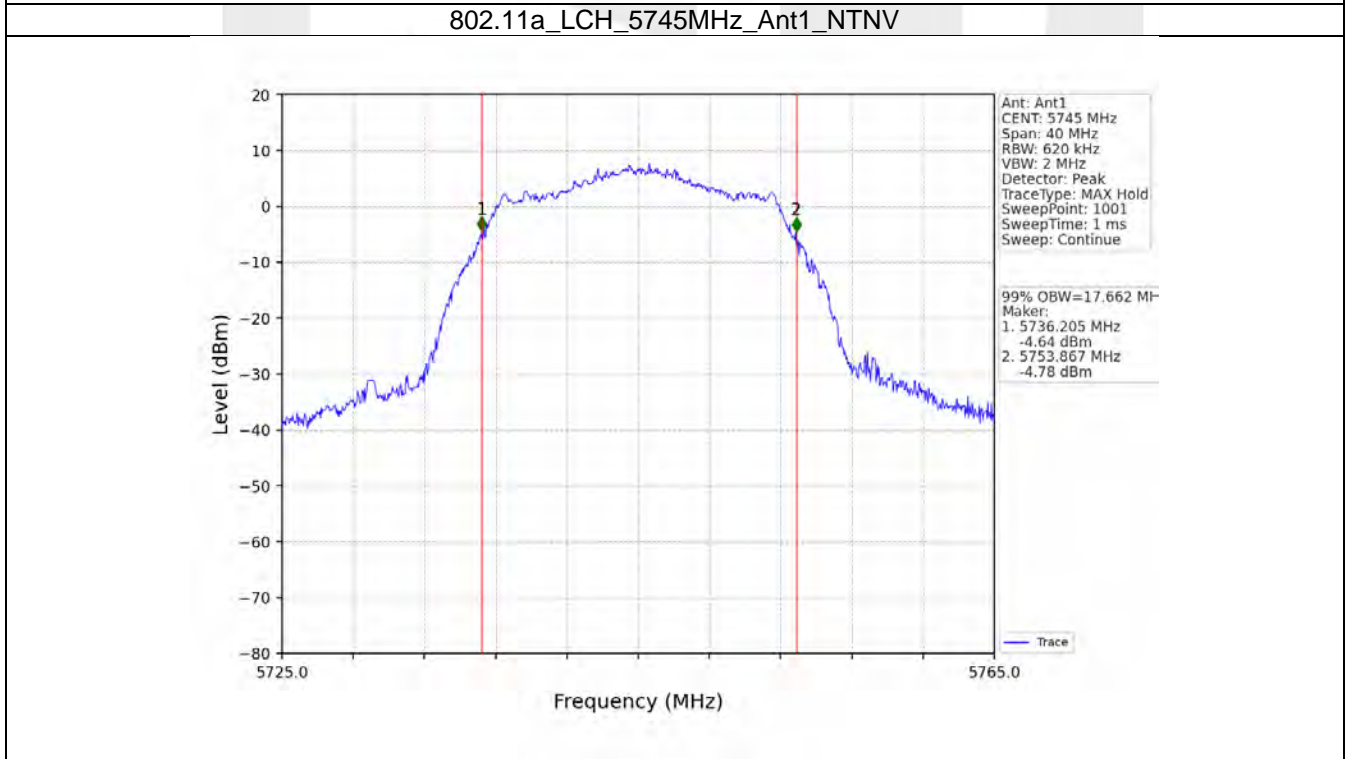
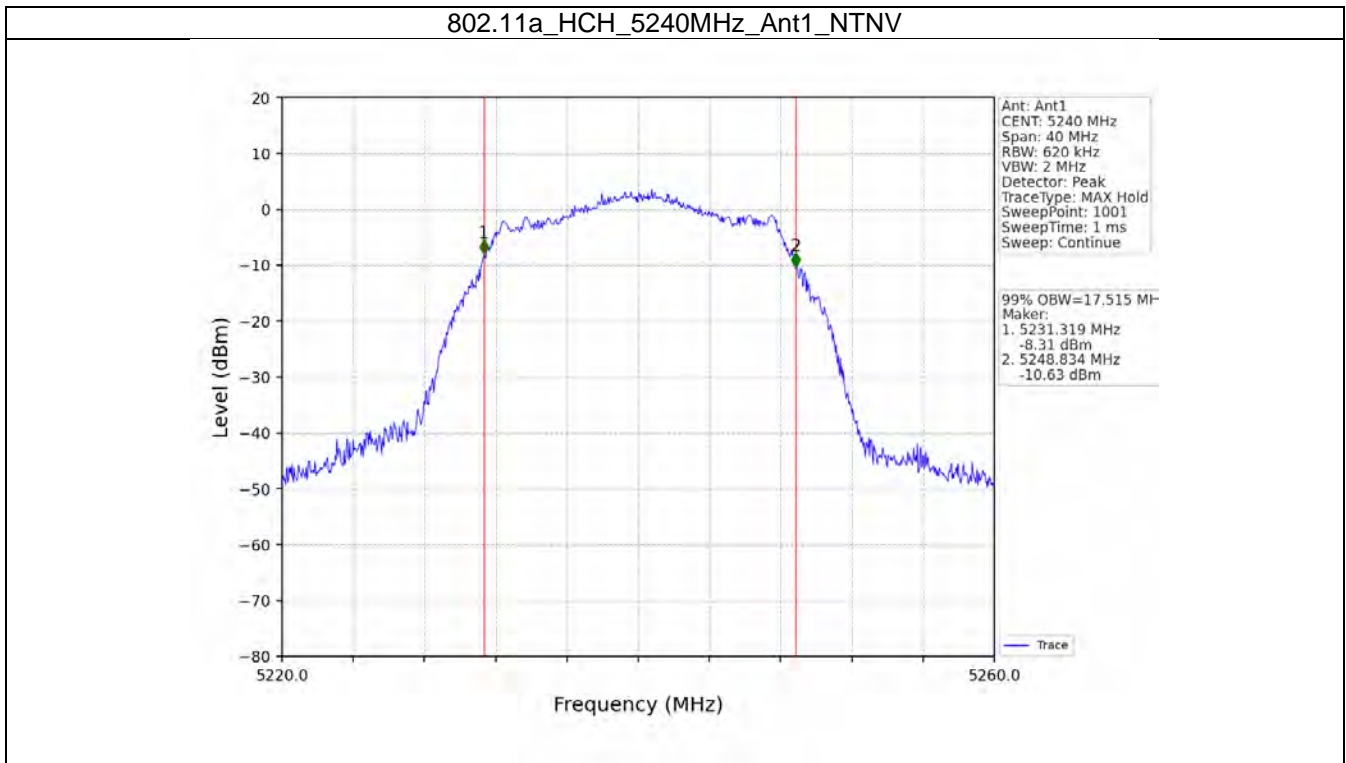
**2.1.3 26dB BW**

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	20.809	/	Pass
		5200	/	/	1	20.775	/	Pass
		5240	/	/	1	20.725	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	21.127	/	Pass
		5200	/	/	1	21.185	/	Pass
		5240	/	/	1	20.941	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	39.429	/	Pass
		5230	/	/	1	39.181	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	21.055	/	Pass
		5200	/	/	1	20.964	/	Pass
		5240	/	/	1	21.174	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	39.436	/	Pass
		5230	/	/	1	39.221	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	82.348	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	21.272	/	Pass
		5200	SU	/	1	21.335	/	Pass
		5240	SU	/	1	21.383	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	51.672	/	Pass
		5230	SU	/	1	40.555	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	105.782	/	Pass

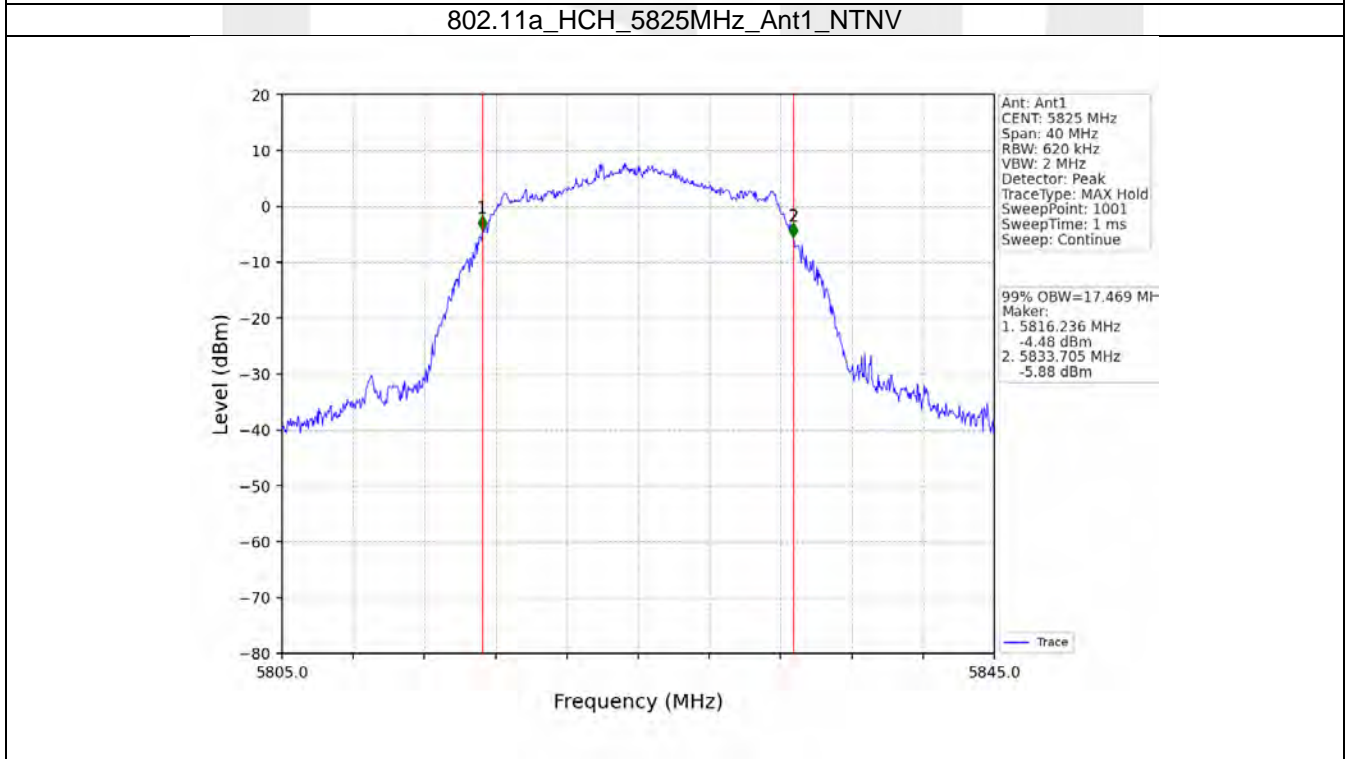
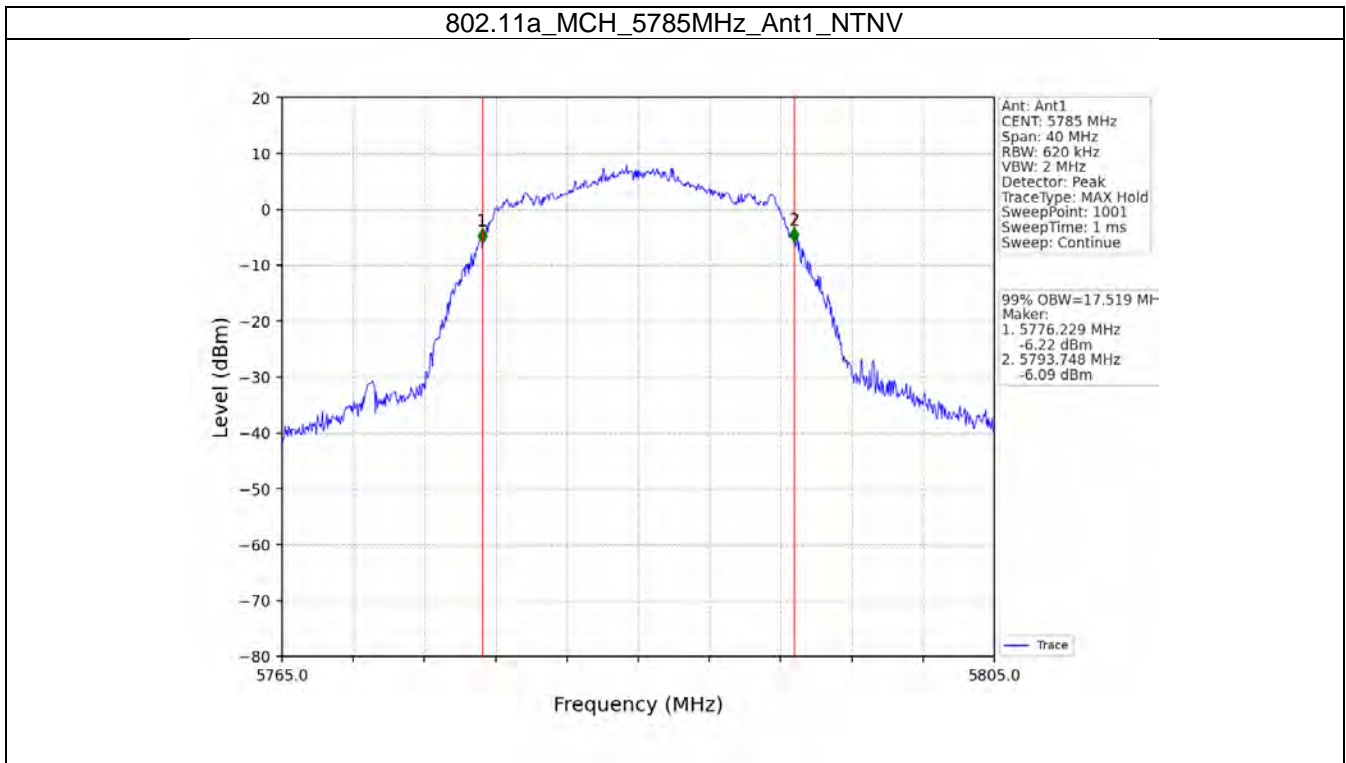
## 2.2 Test Graph

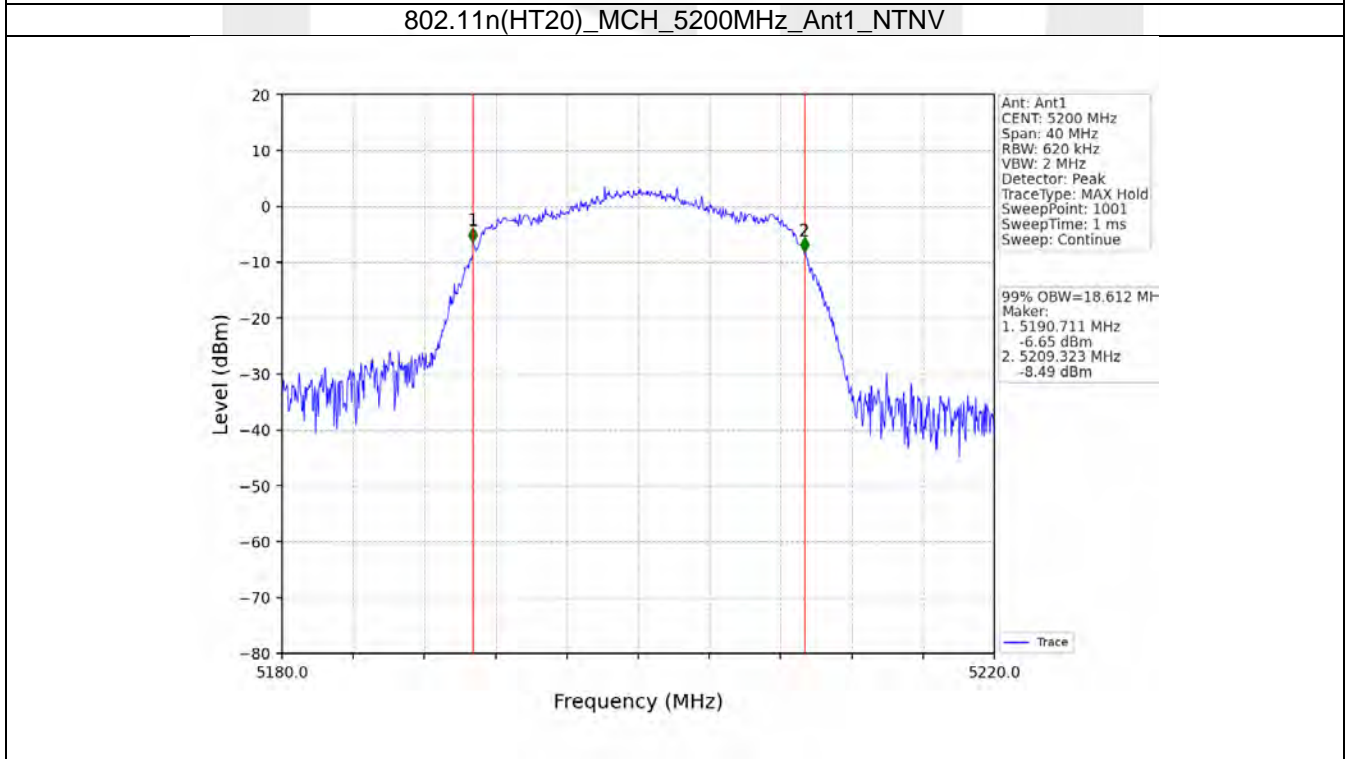
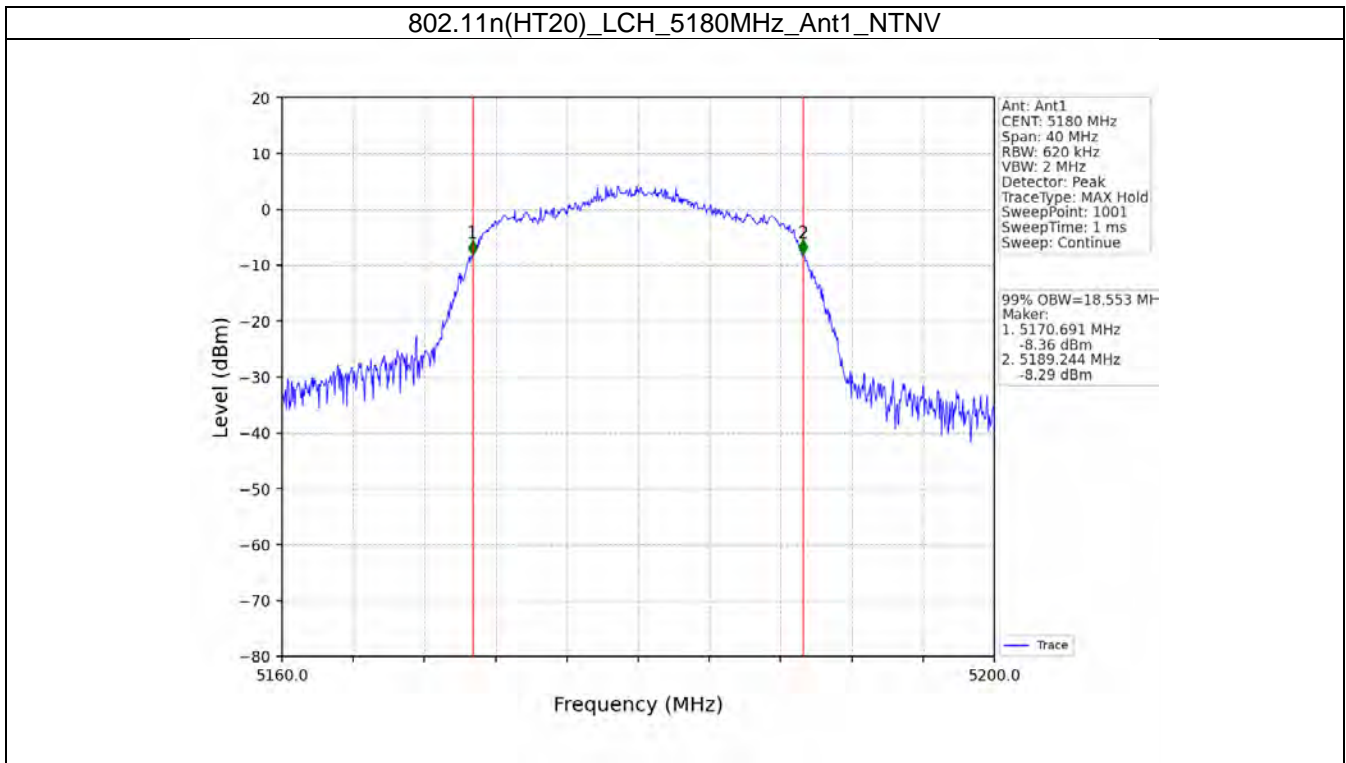
### 2.2.1 OBW



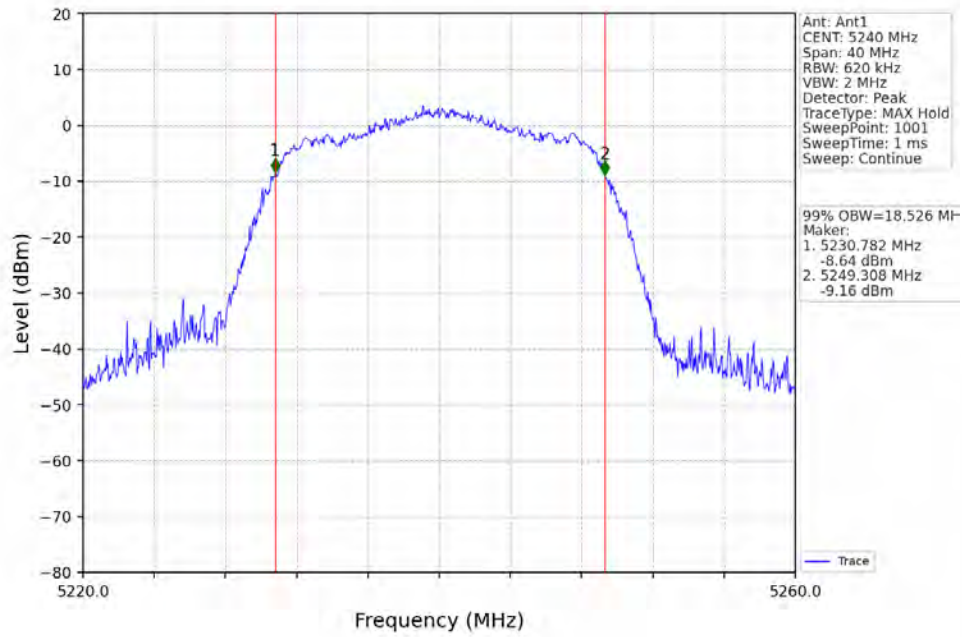




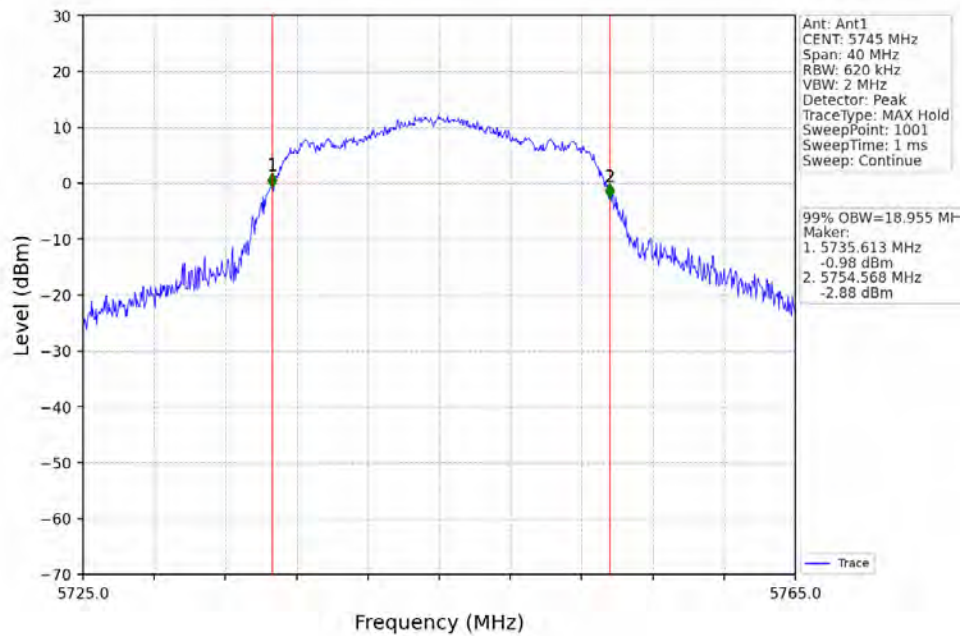




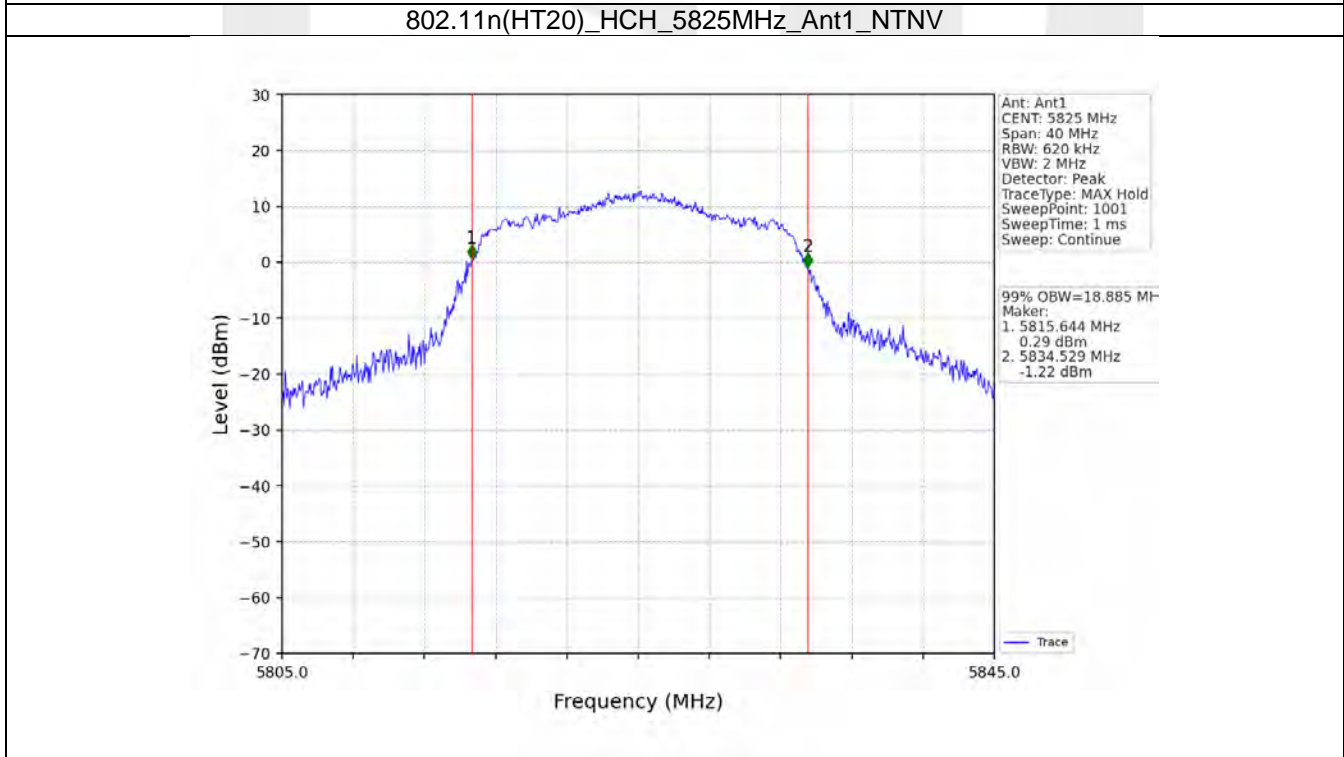
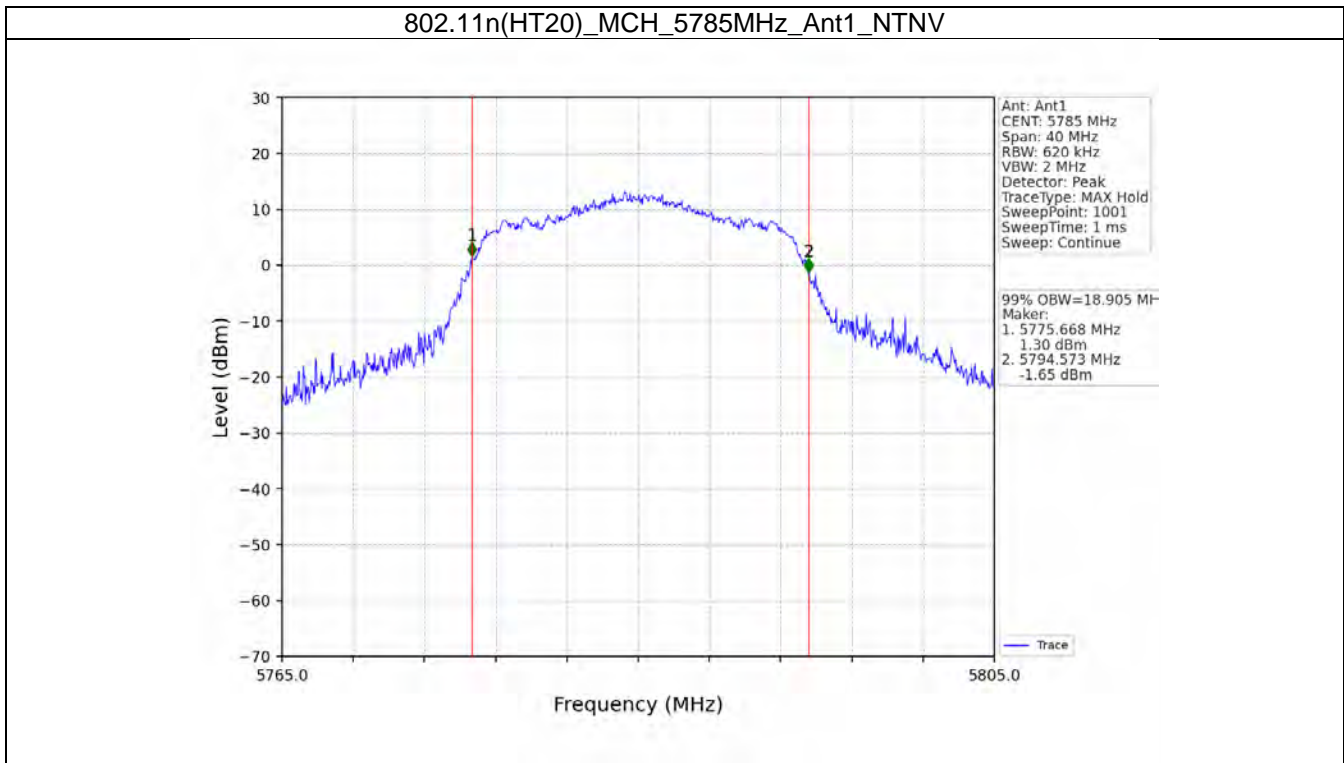
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV

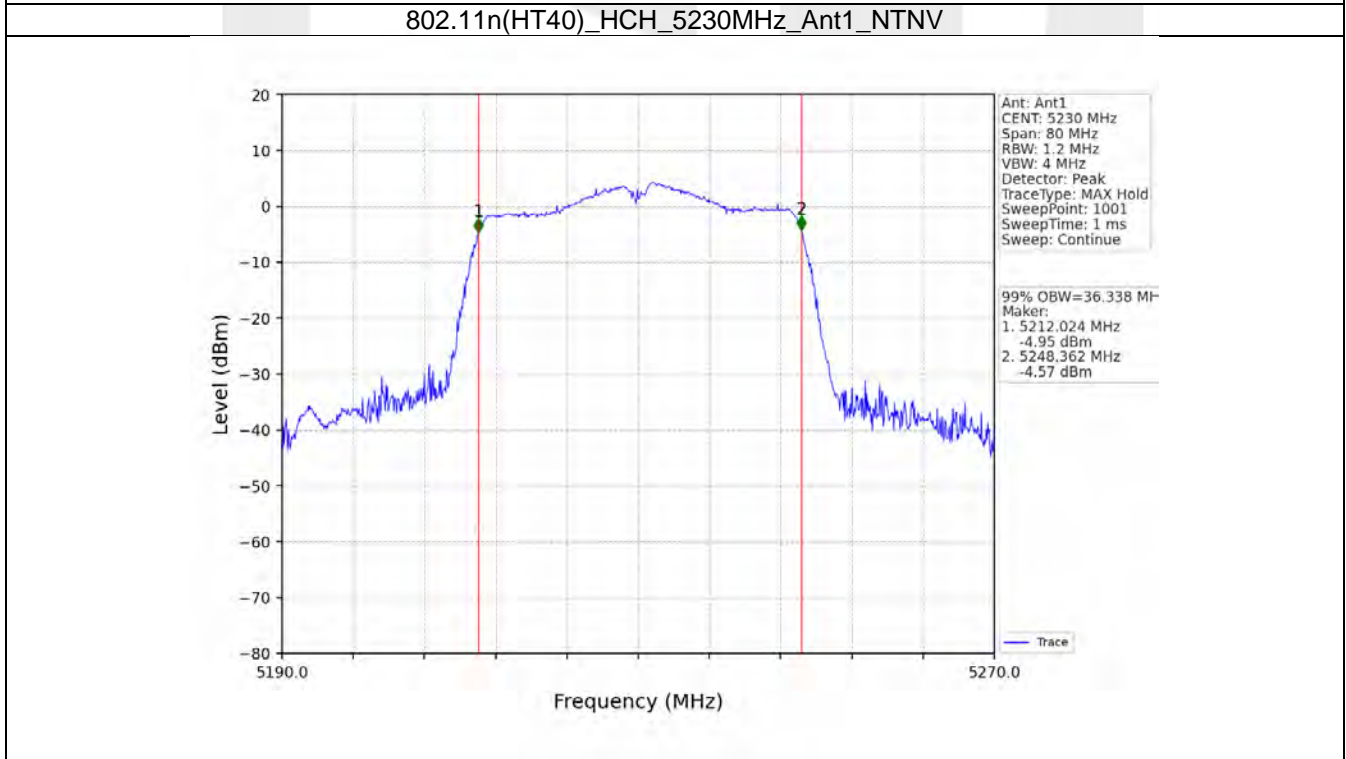
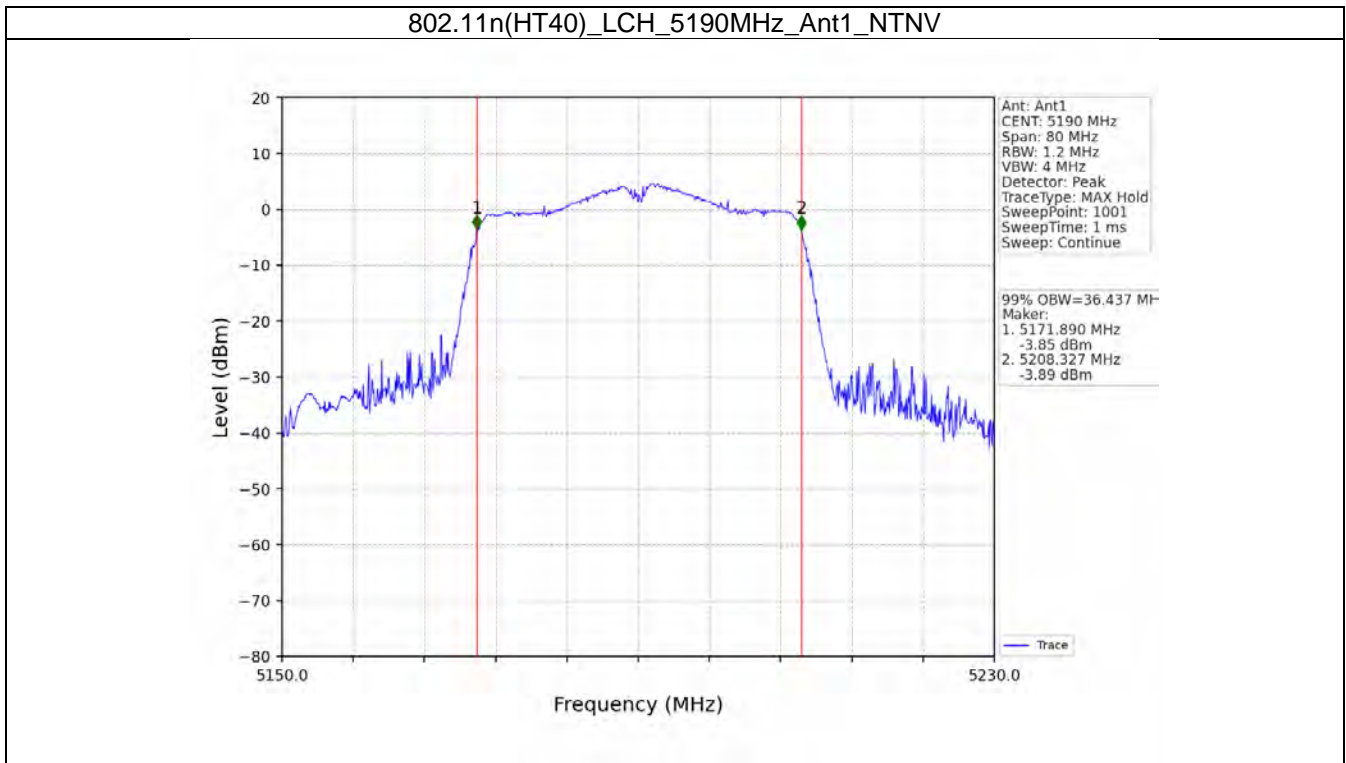


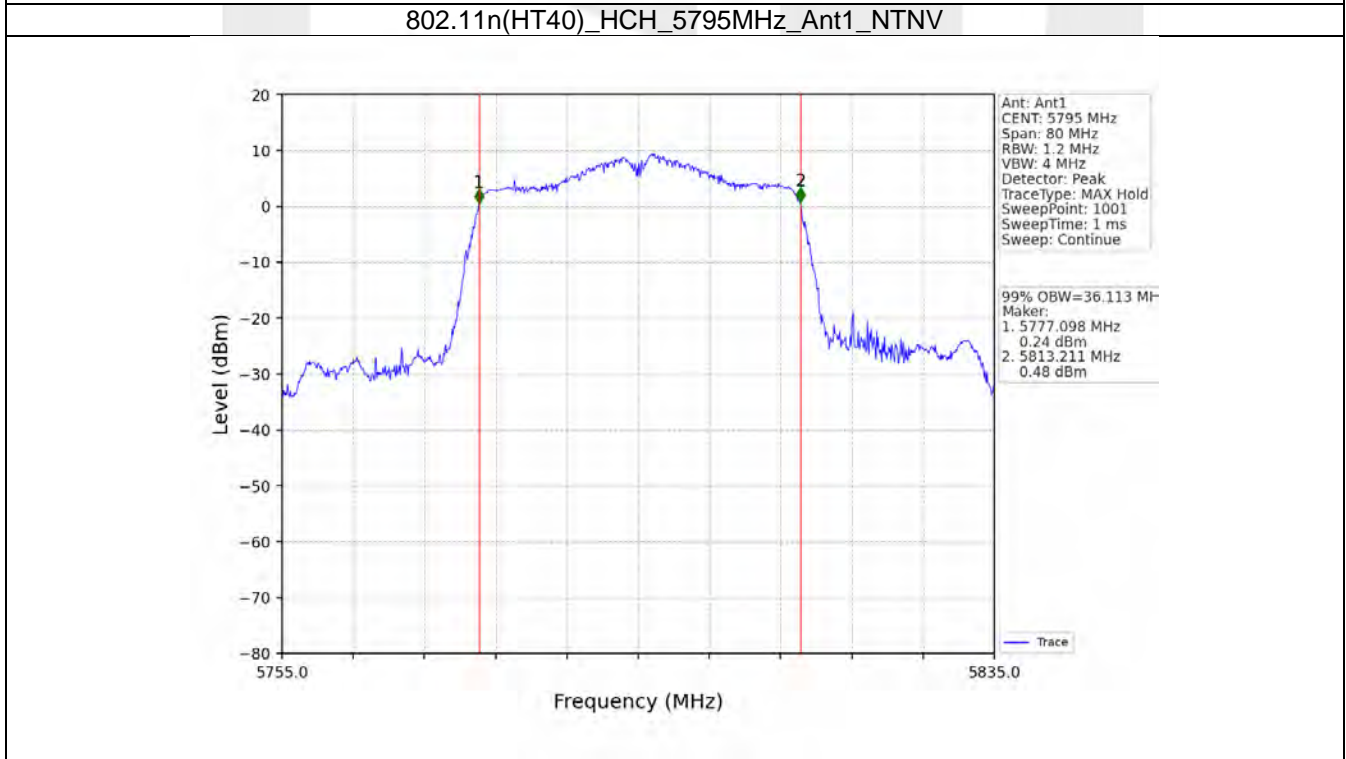
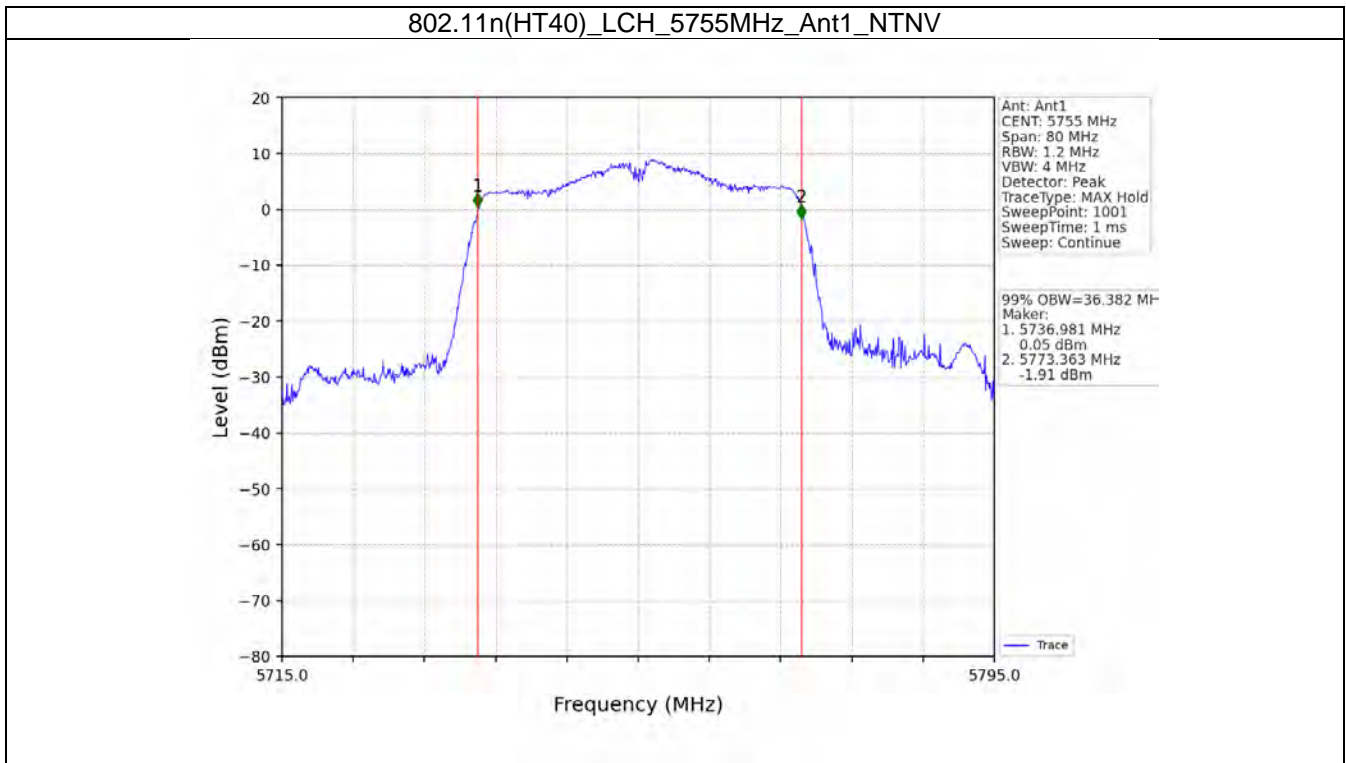
802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV



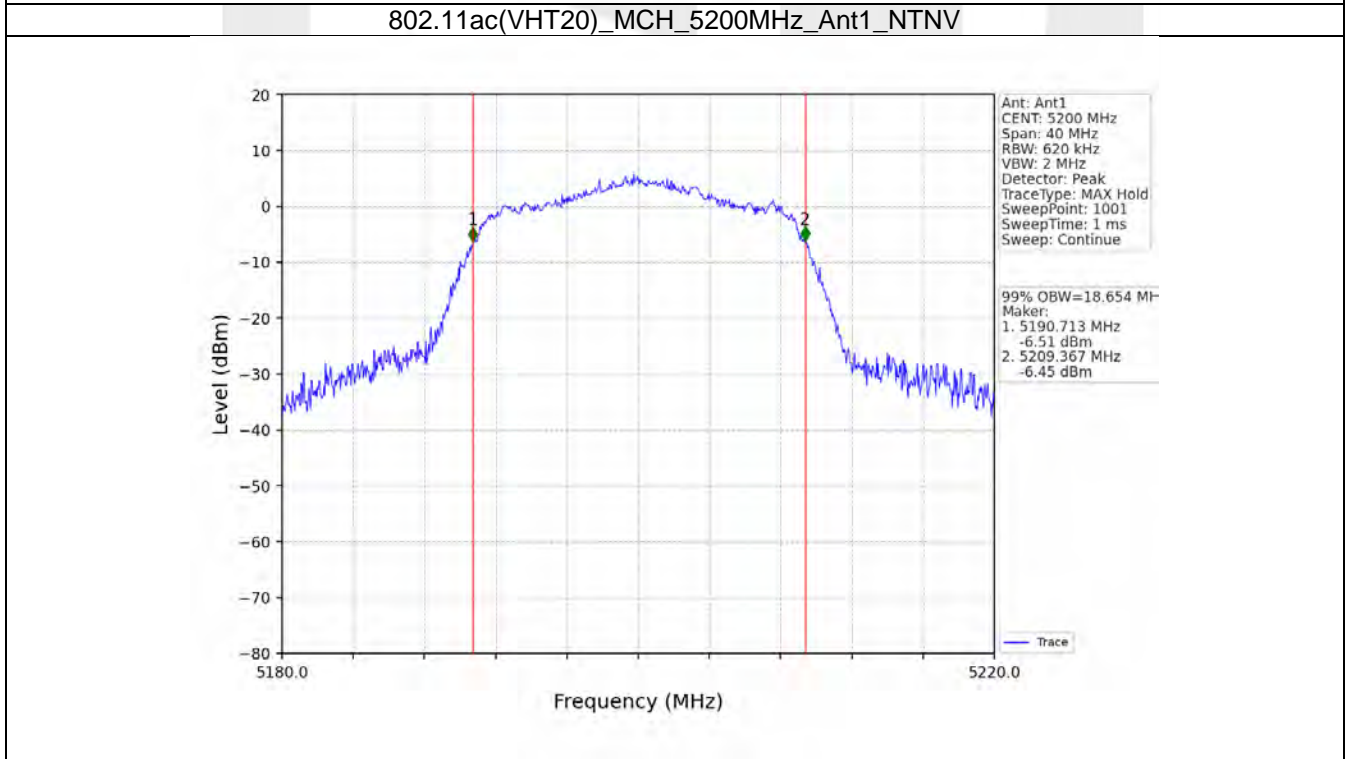
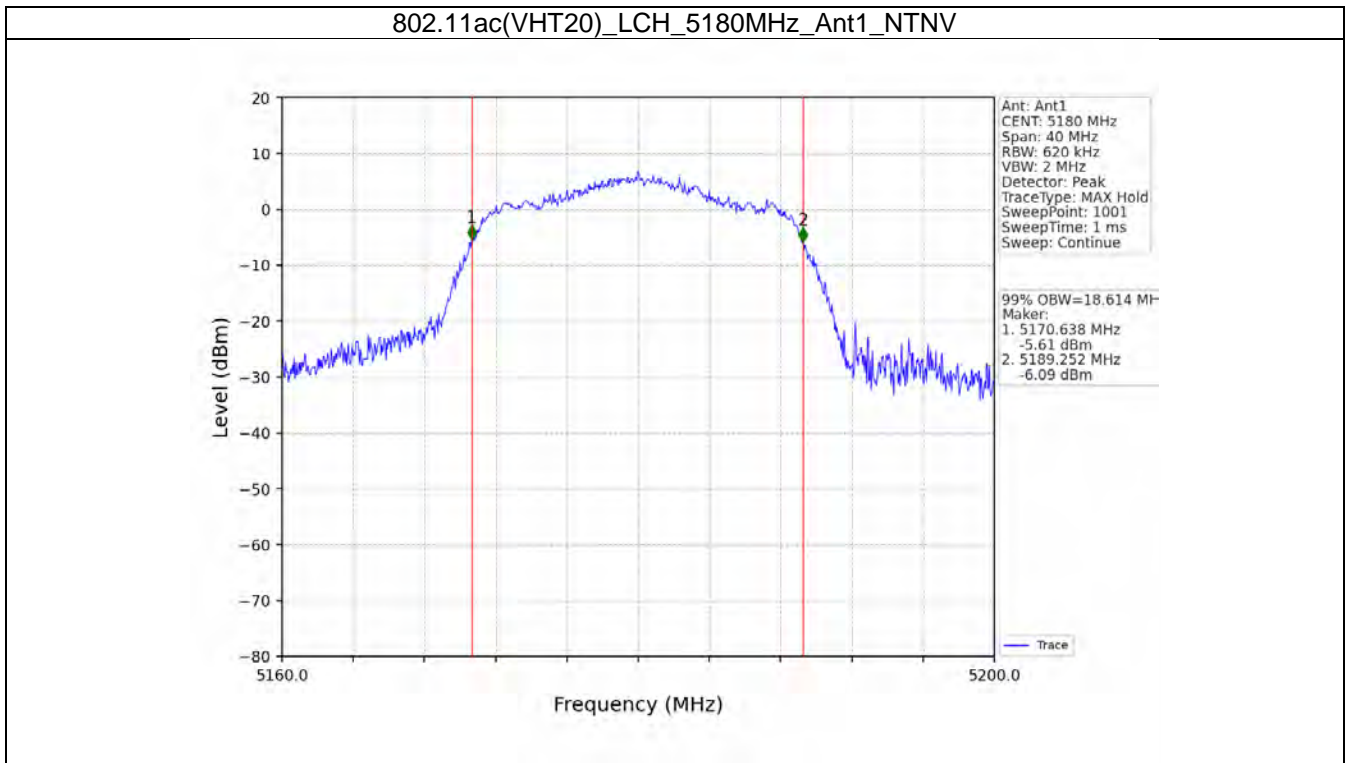


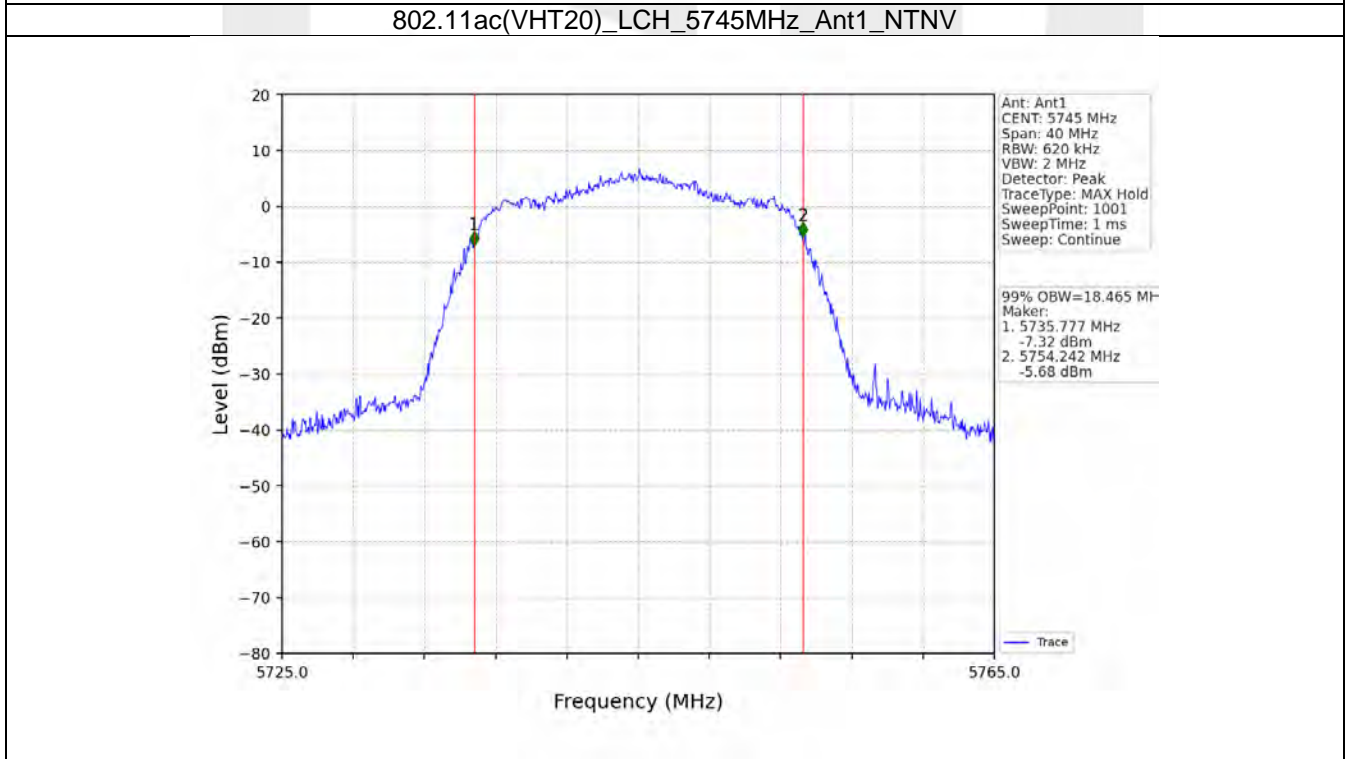
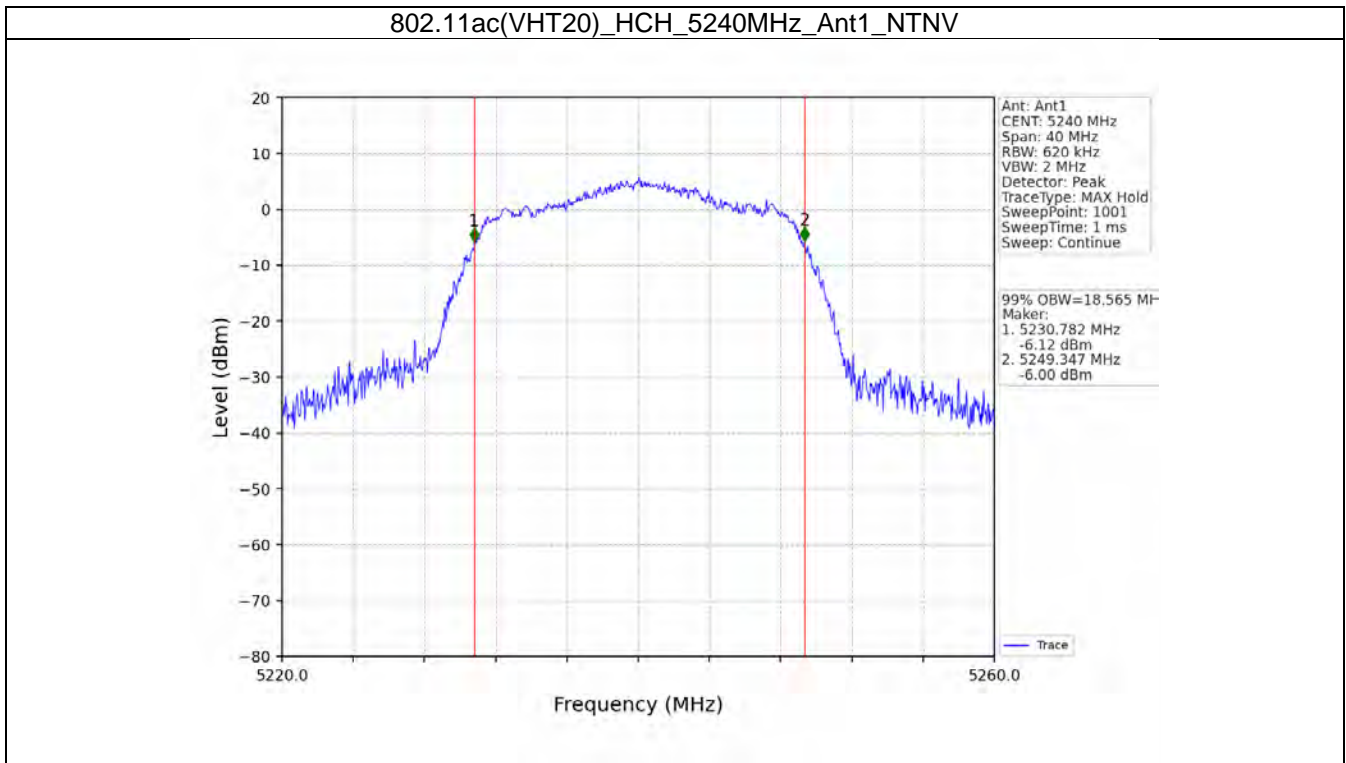




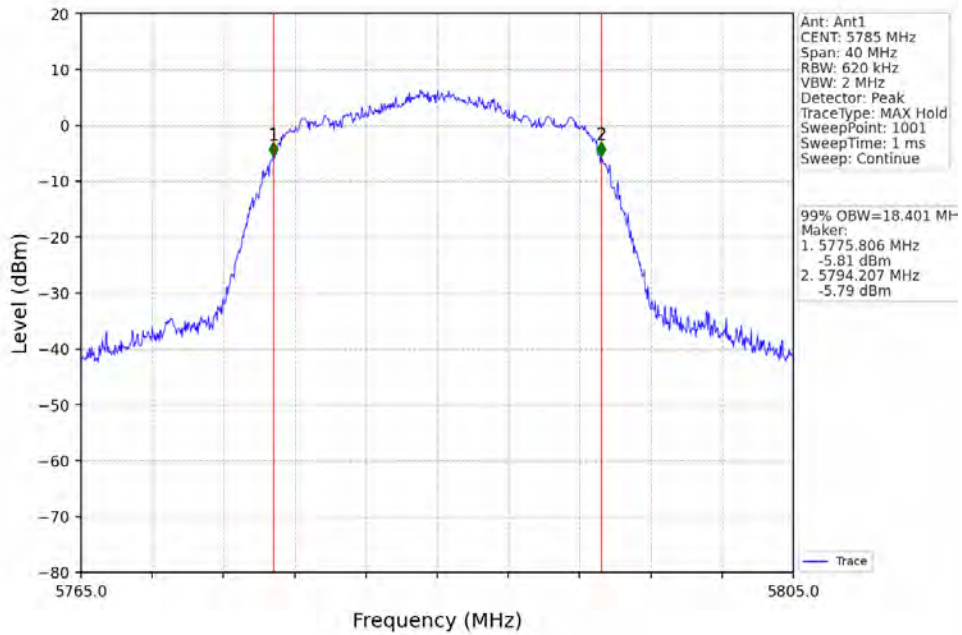




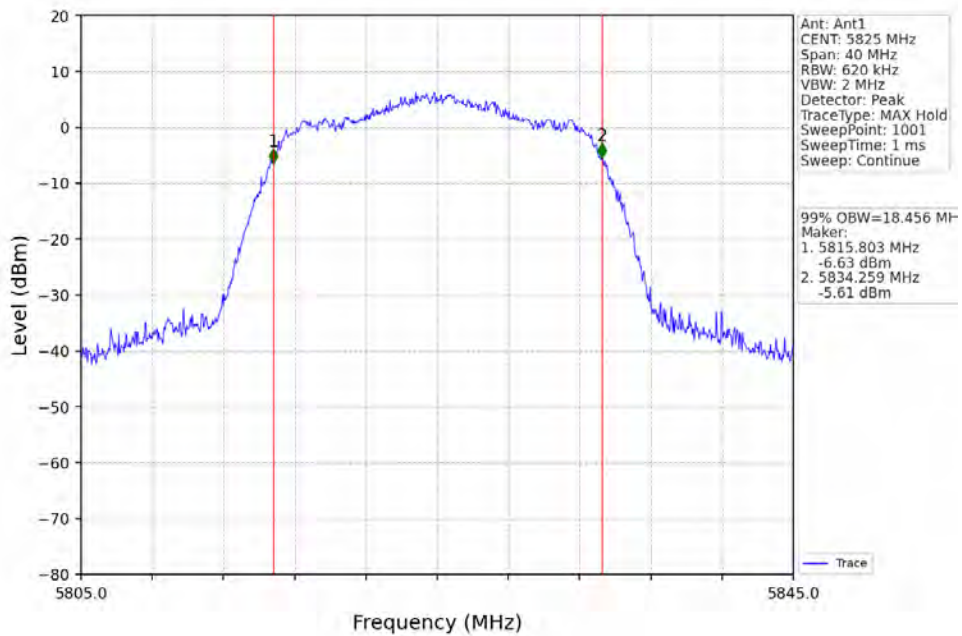




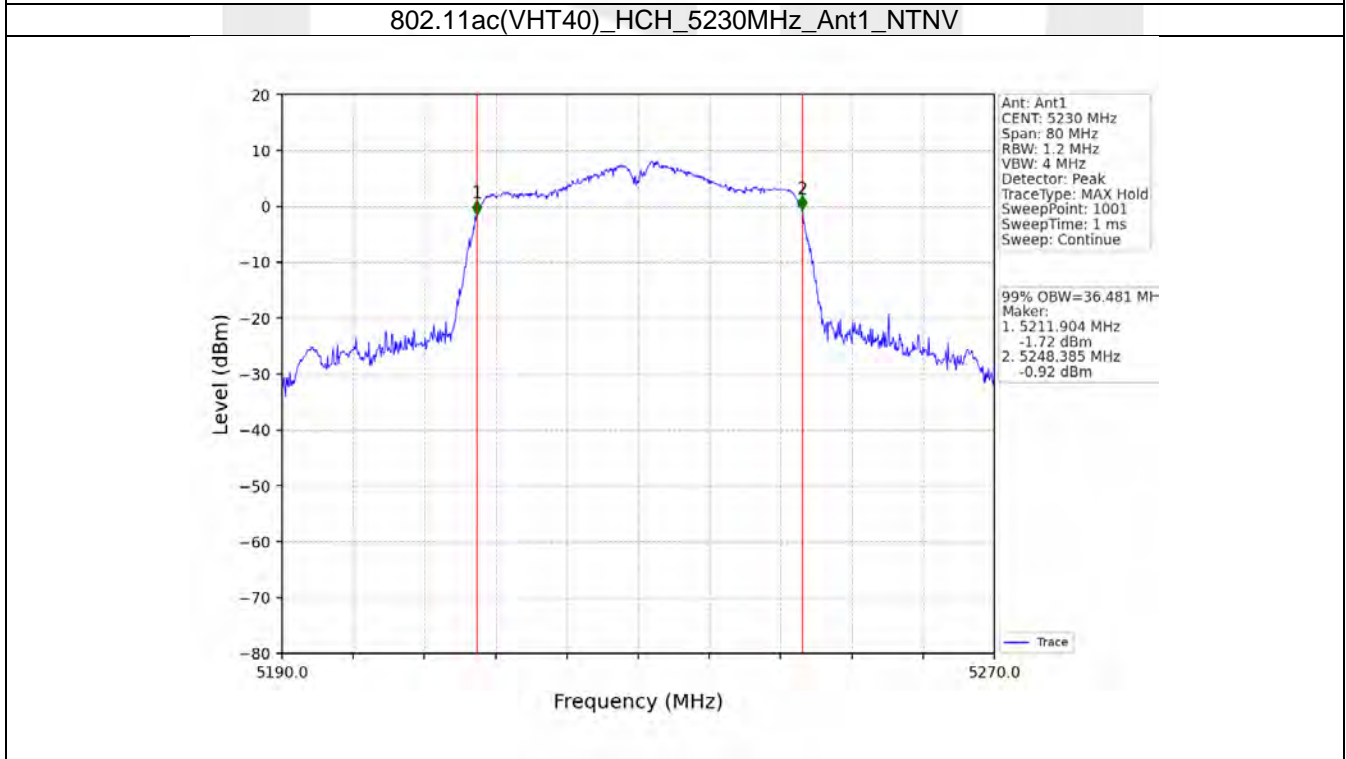
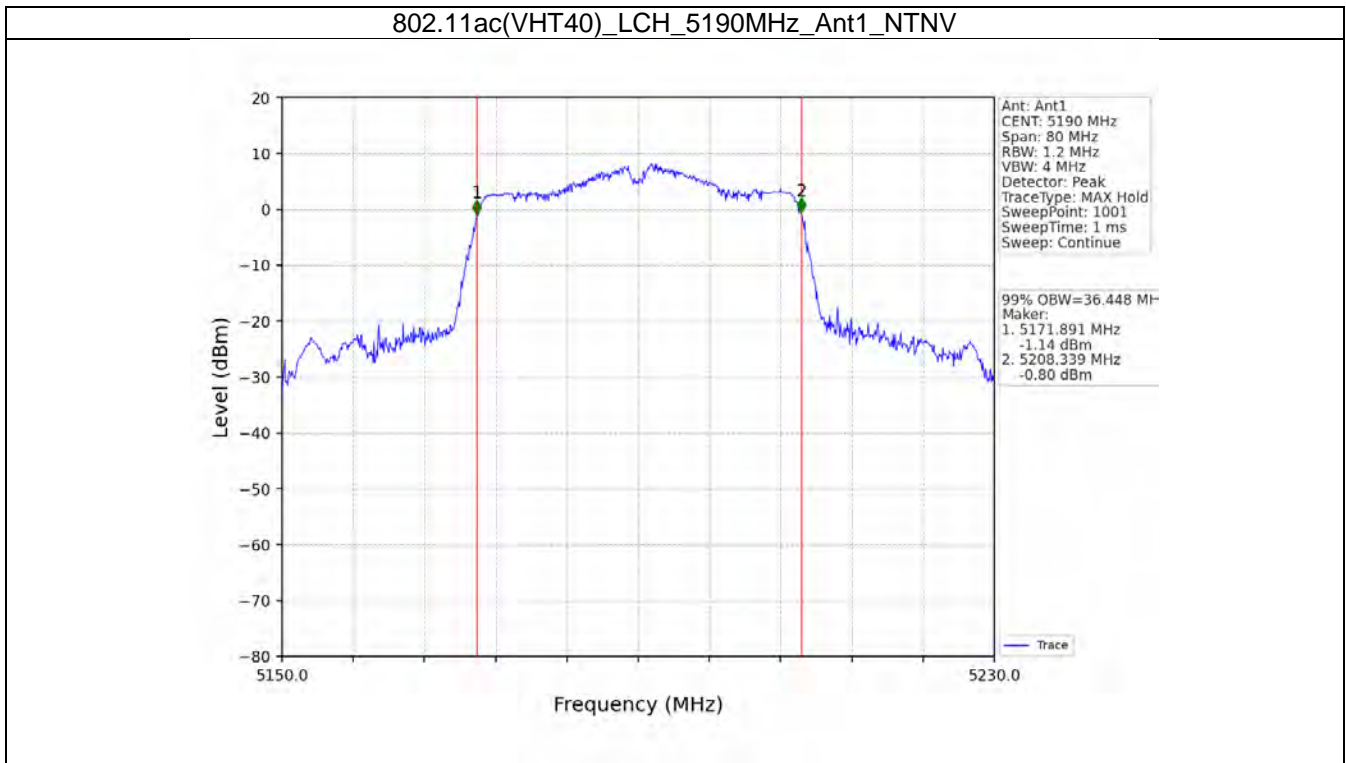
802.11ac(VHT20)\_MCH\_5785MHz\_Ant1\_NTNV

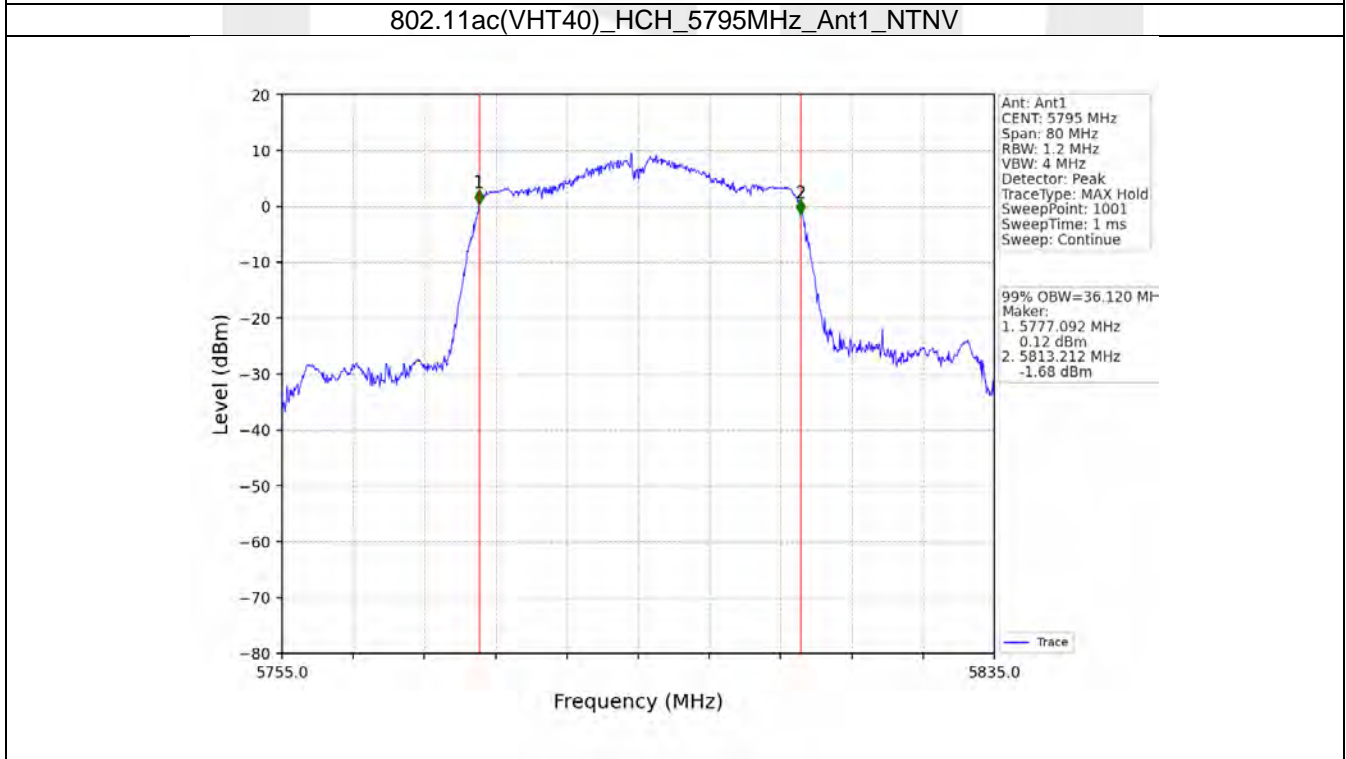
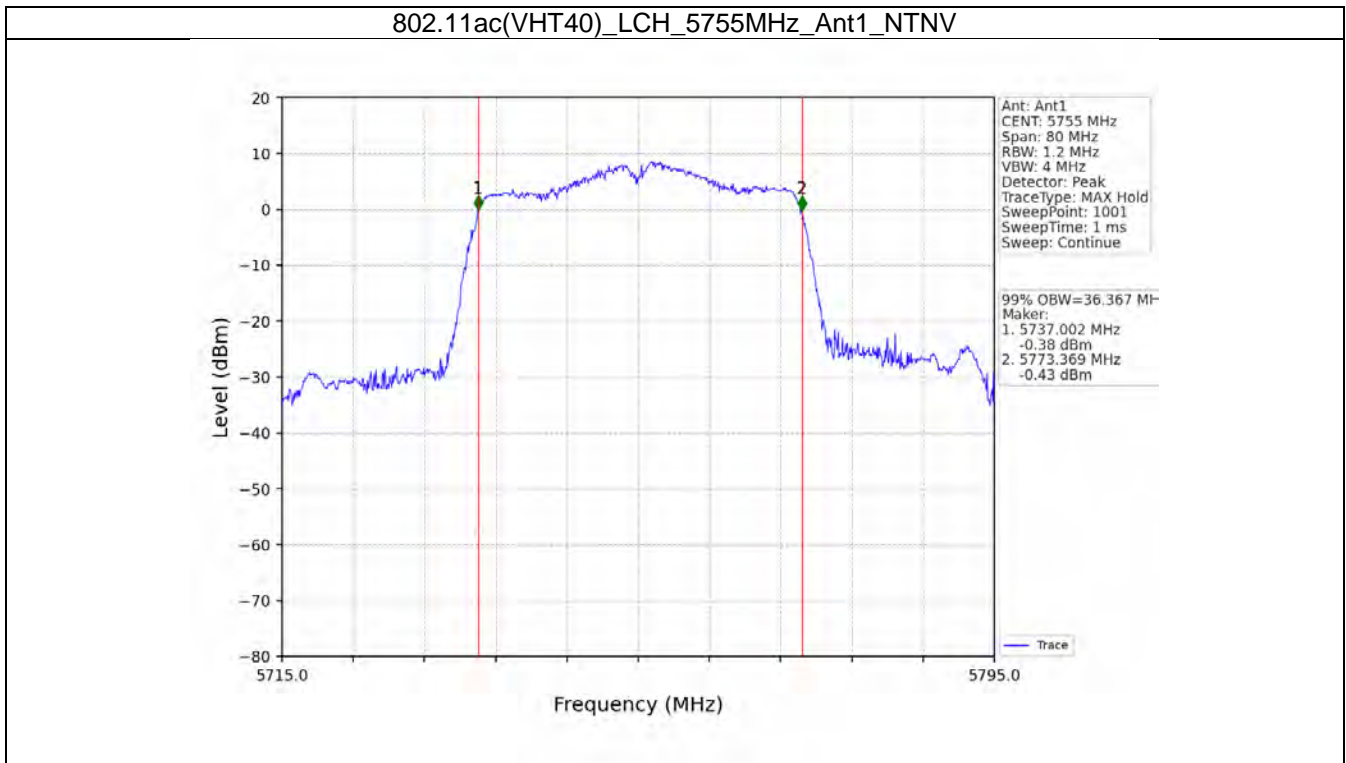


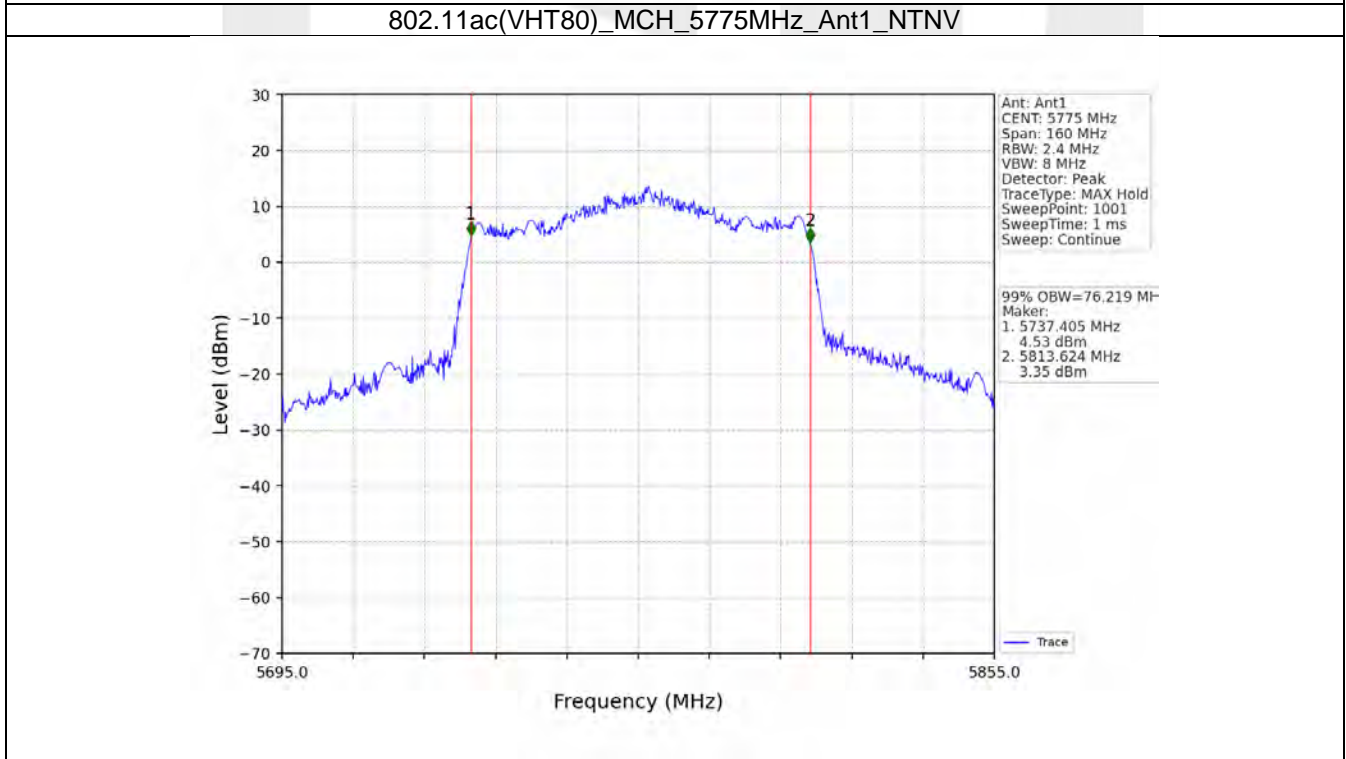
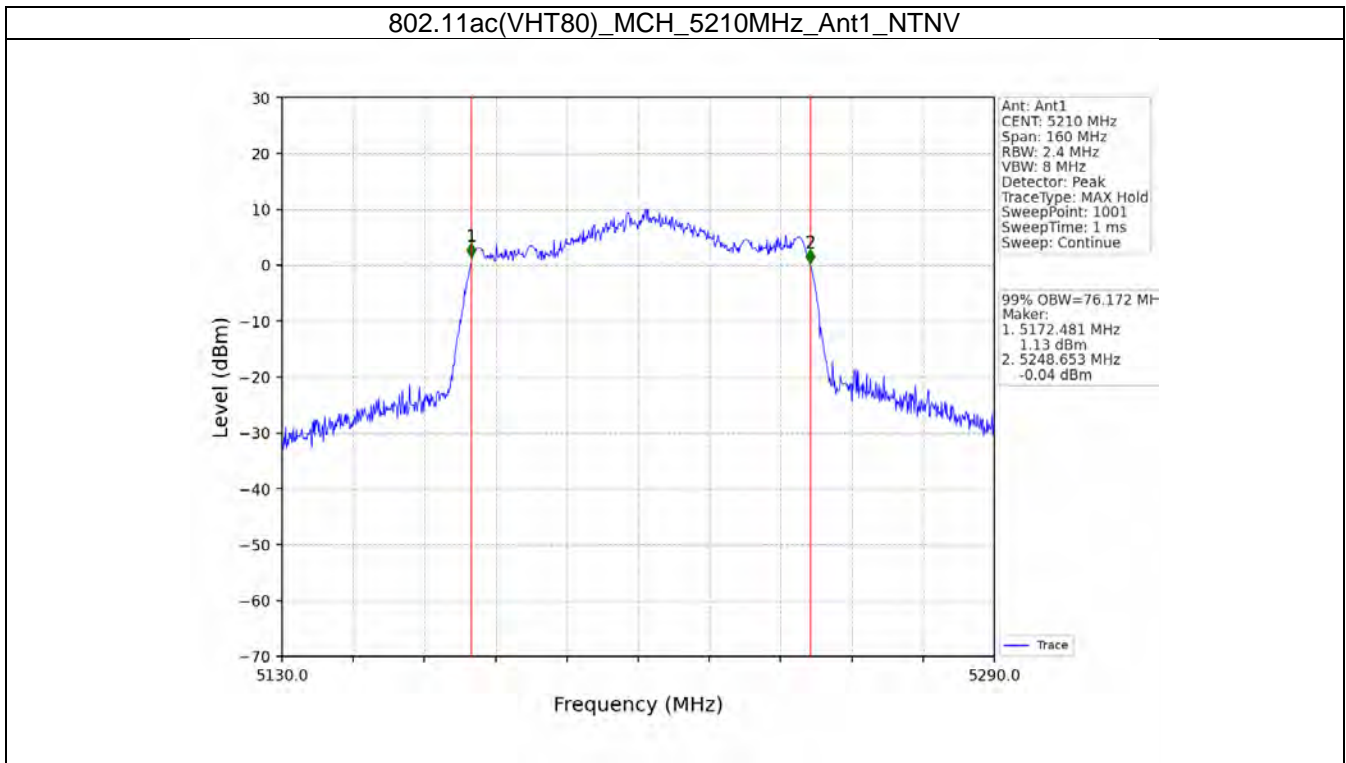
802.11ac(VHT20)\_HCH\_5825MHz\_Ant1\_NTNV



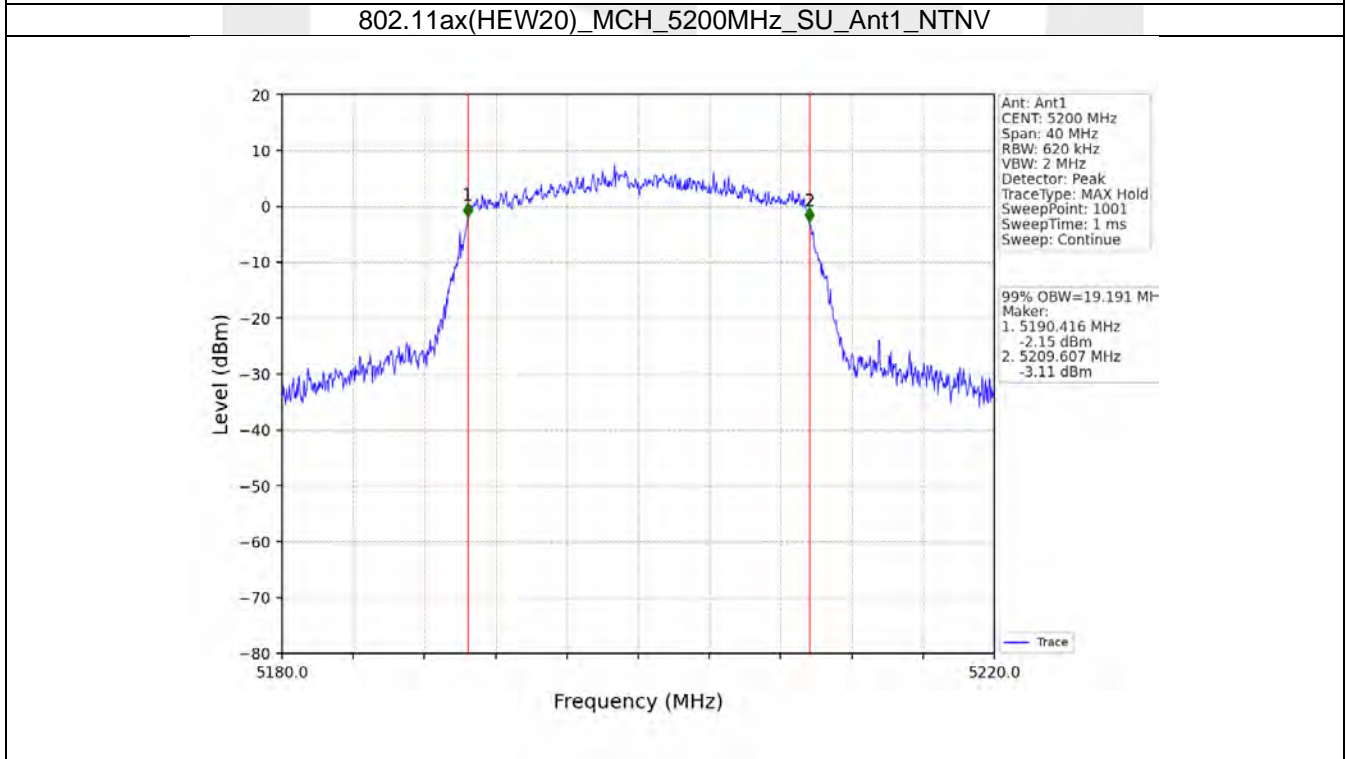
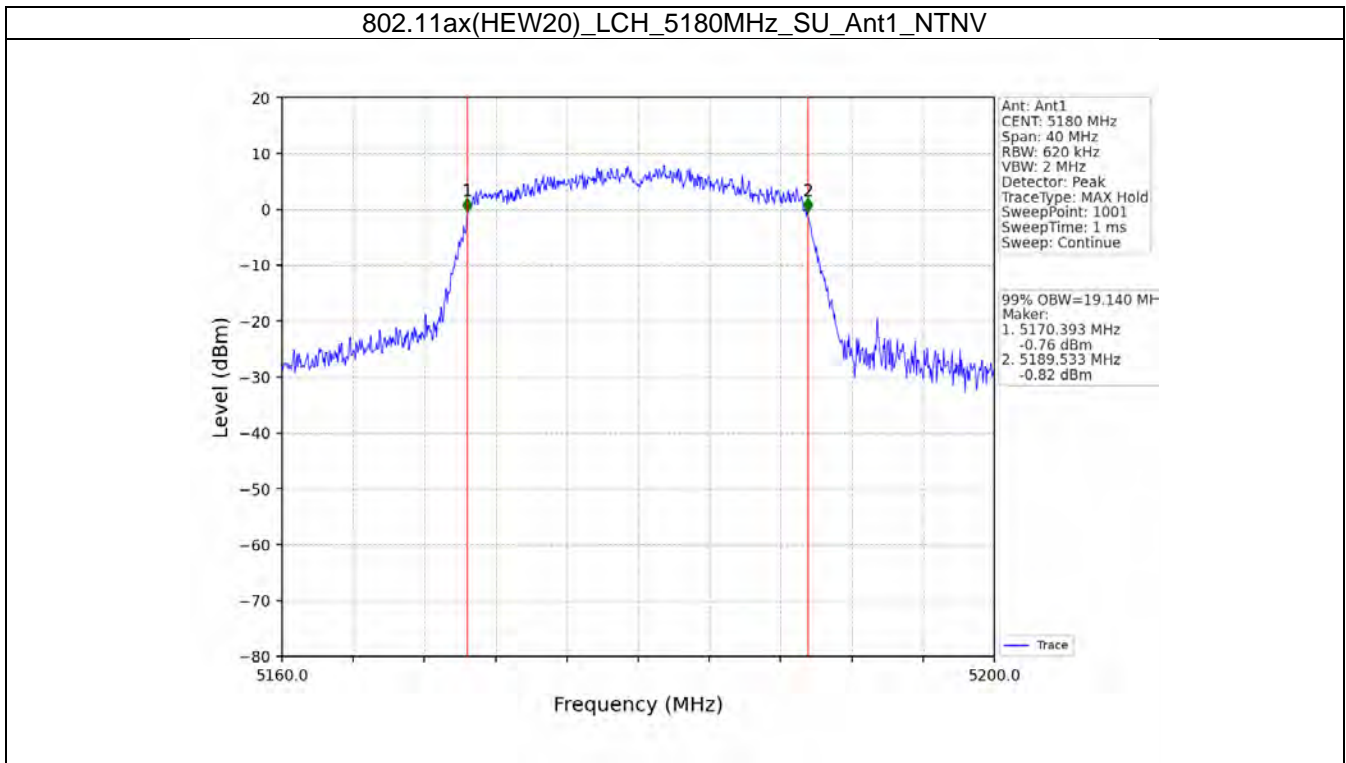


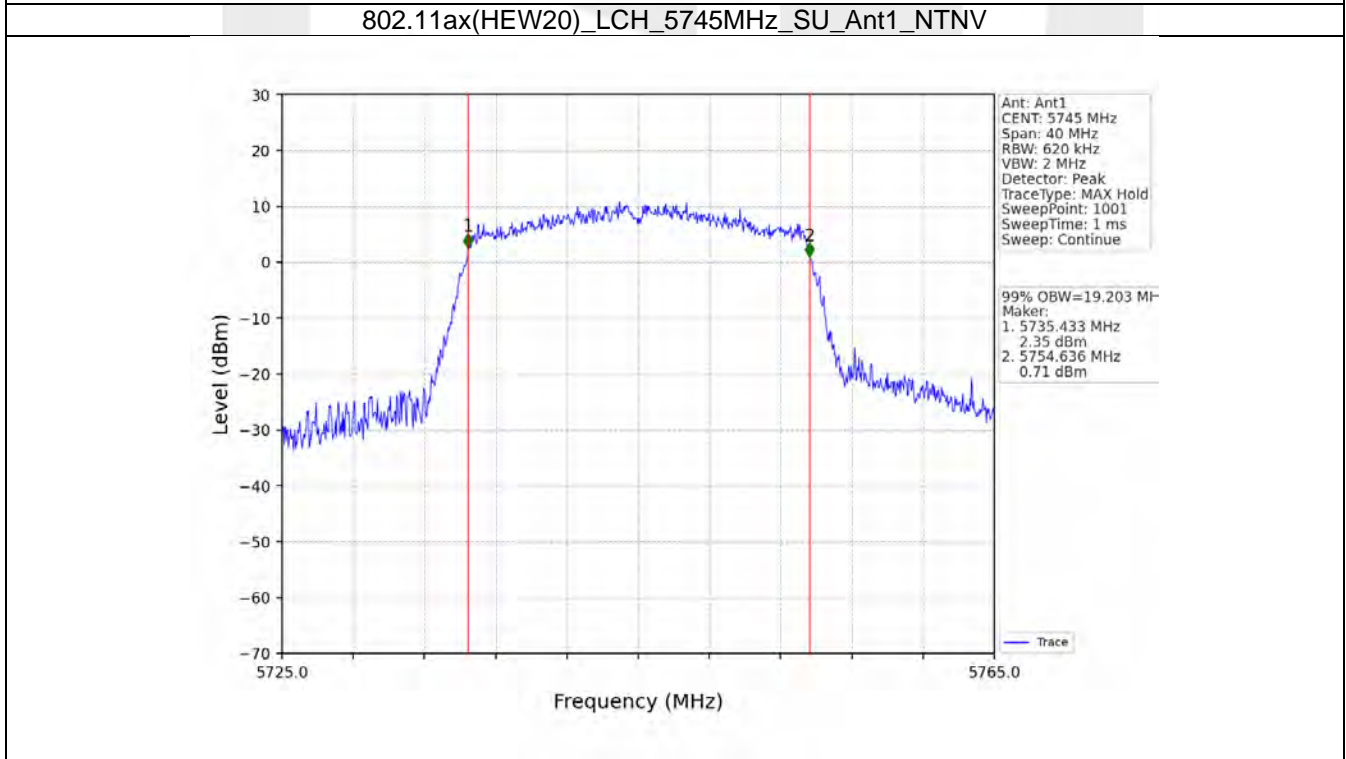
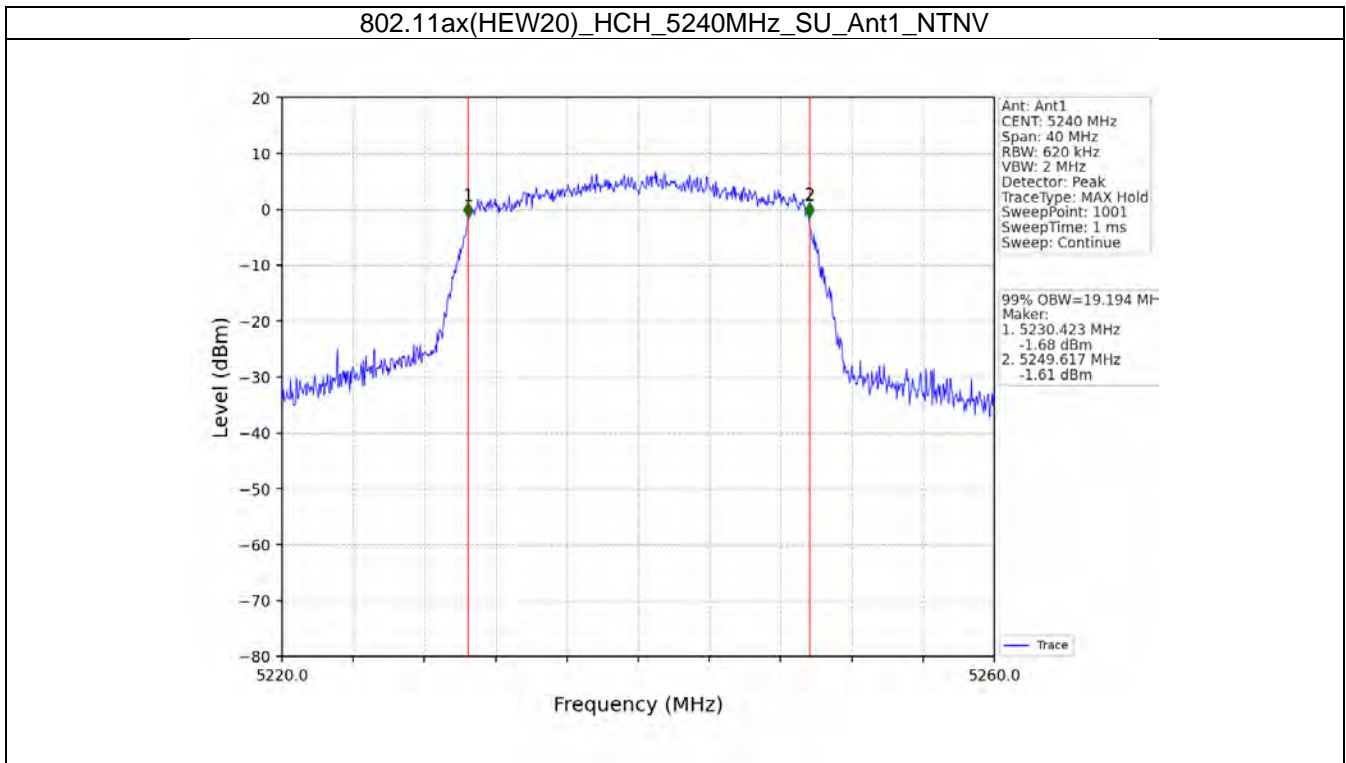


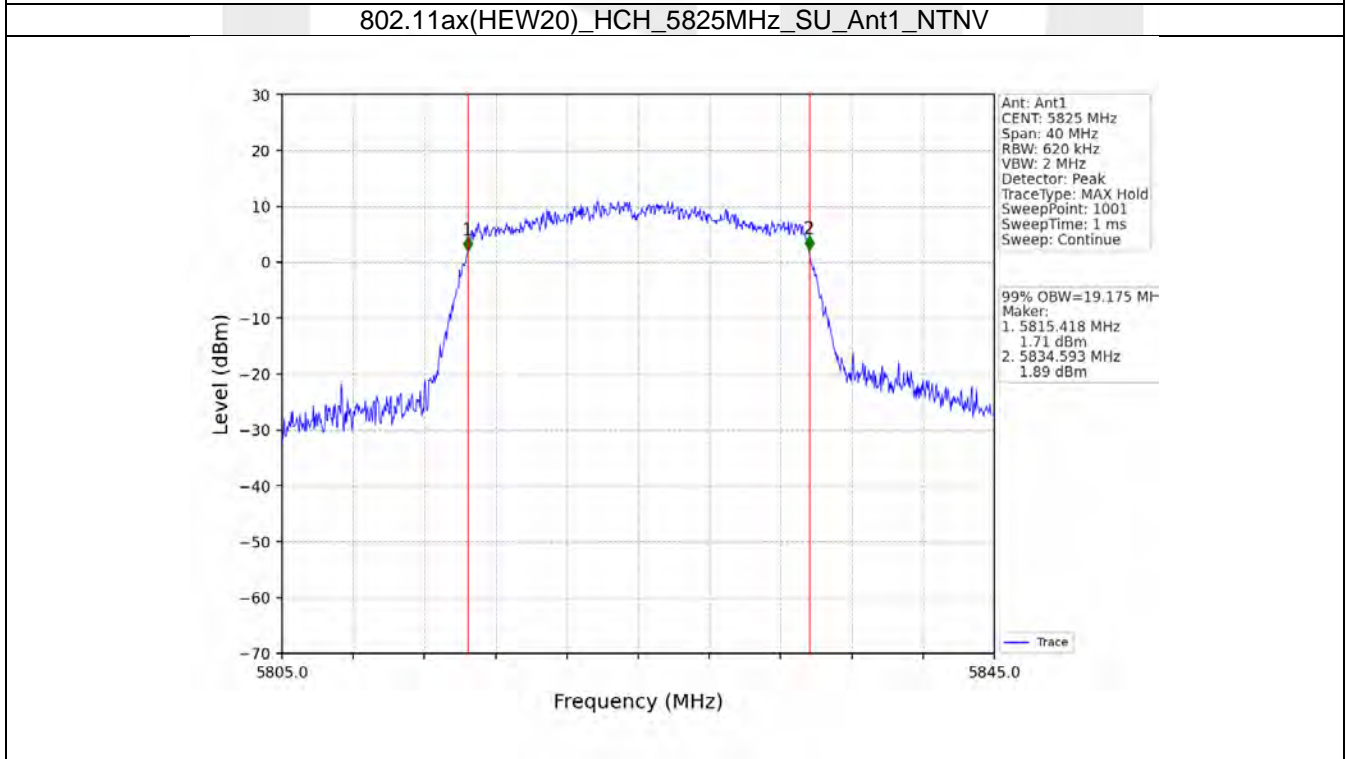
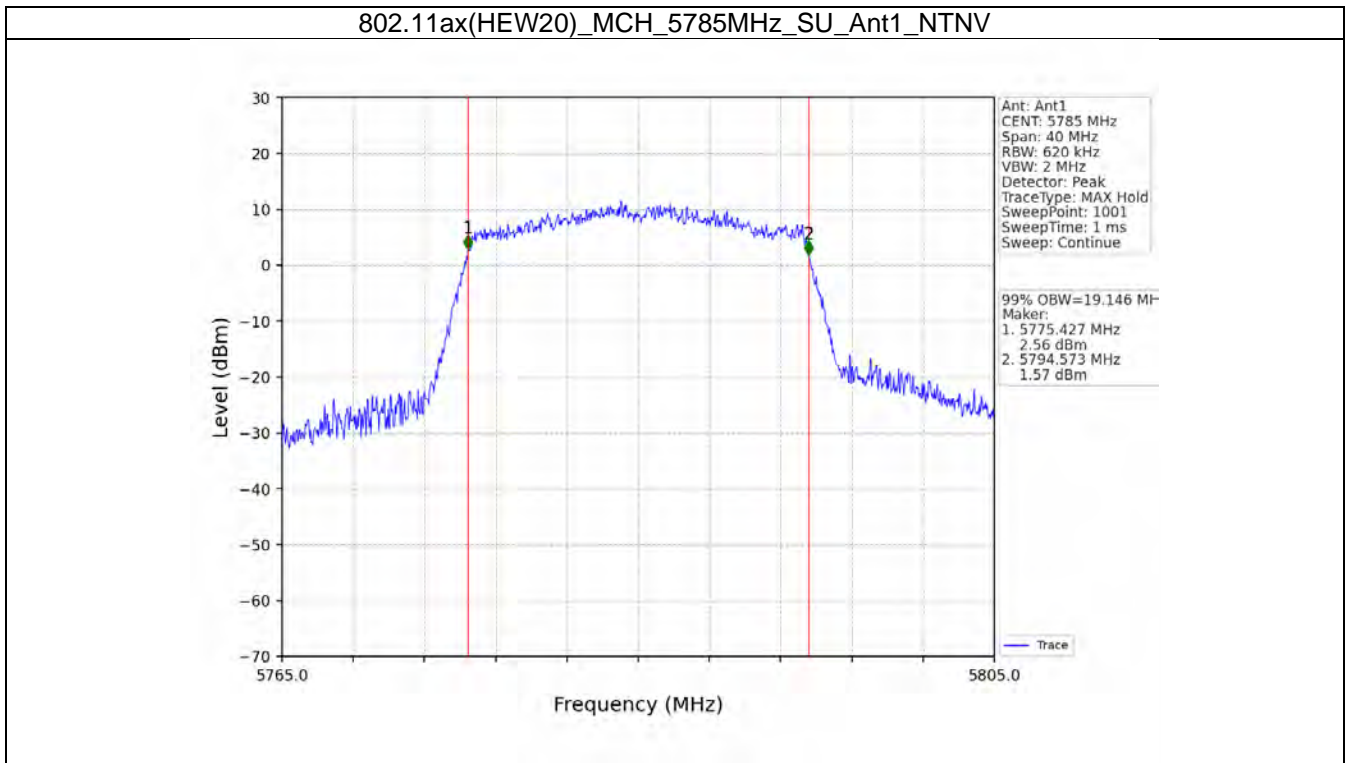




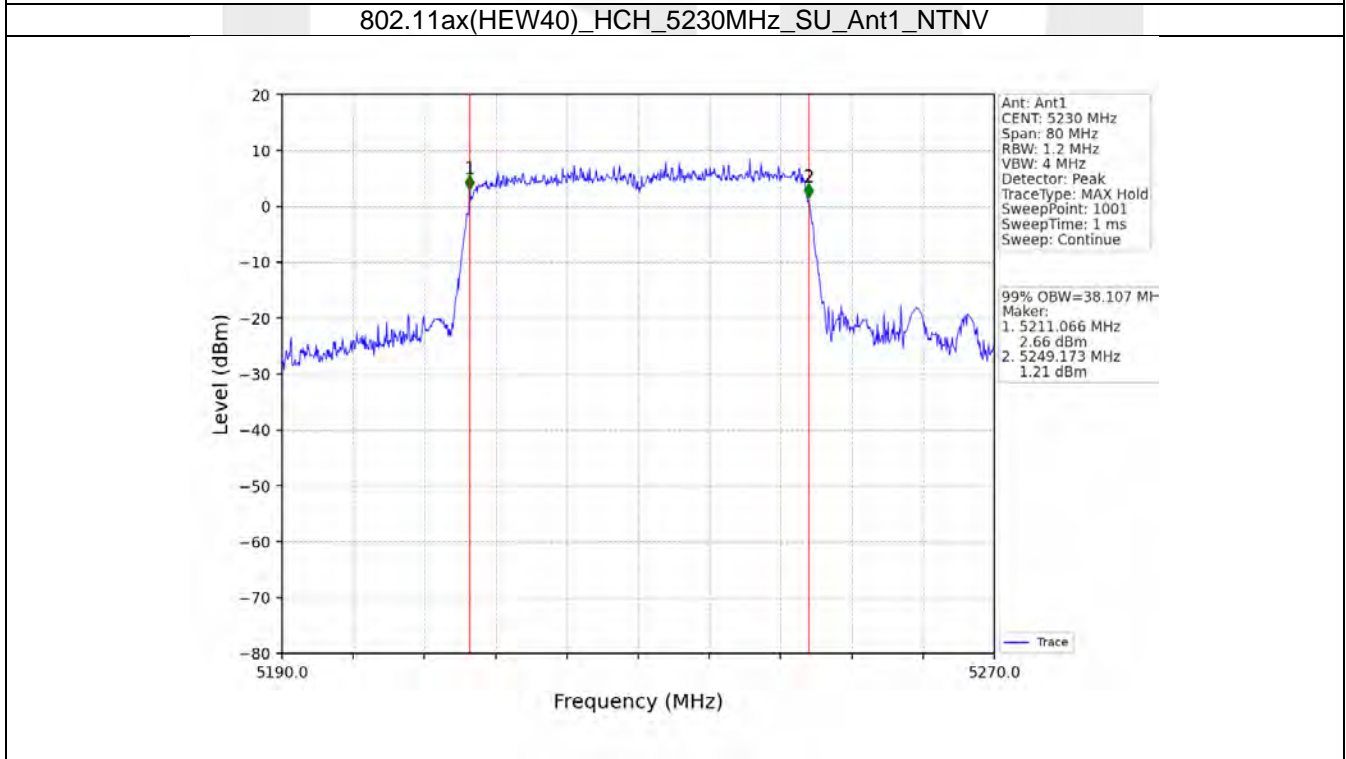
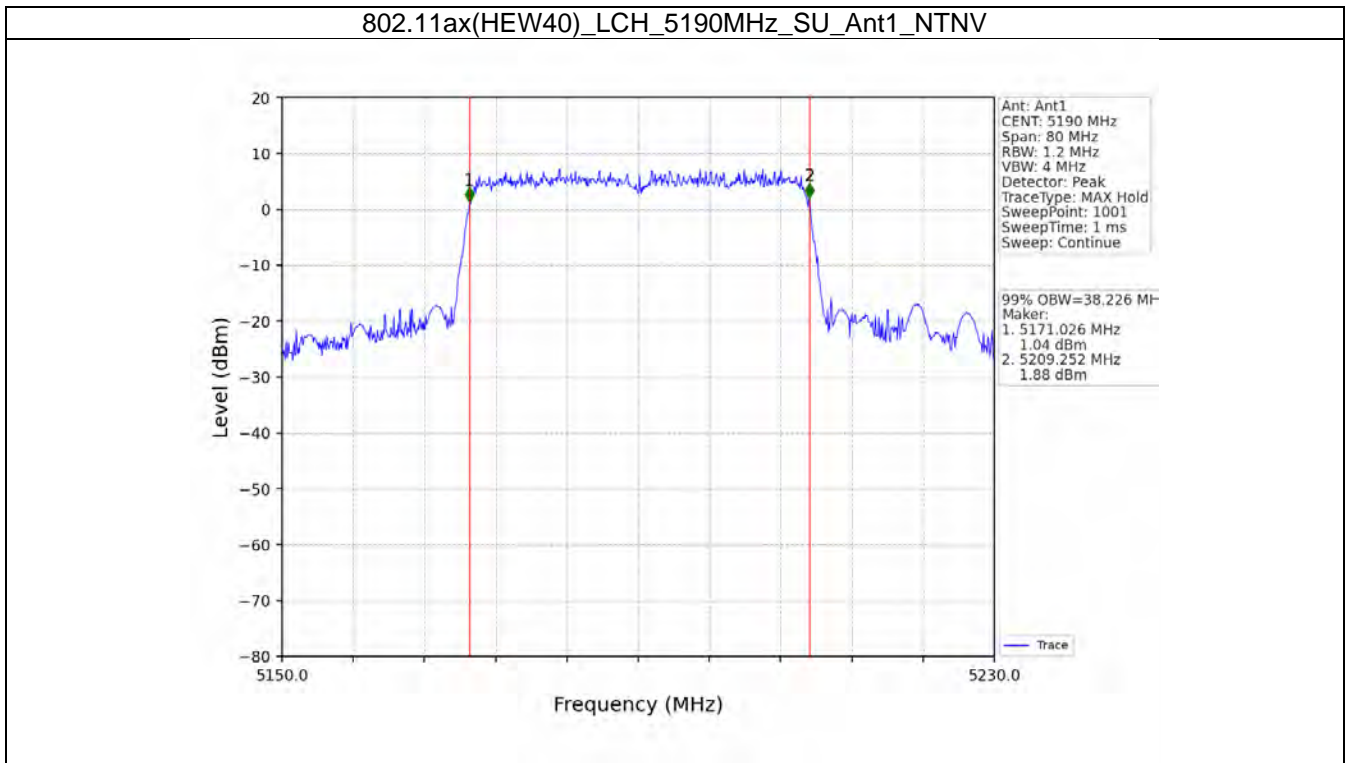


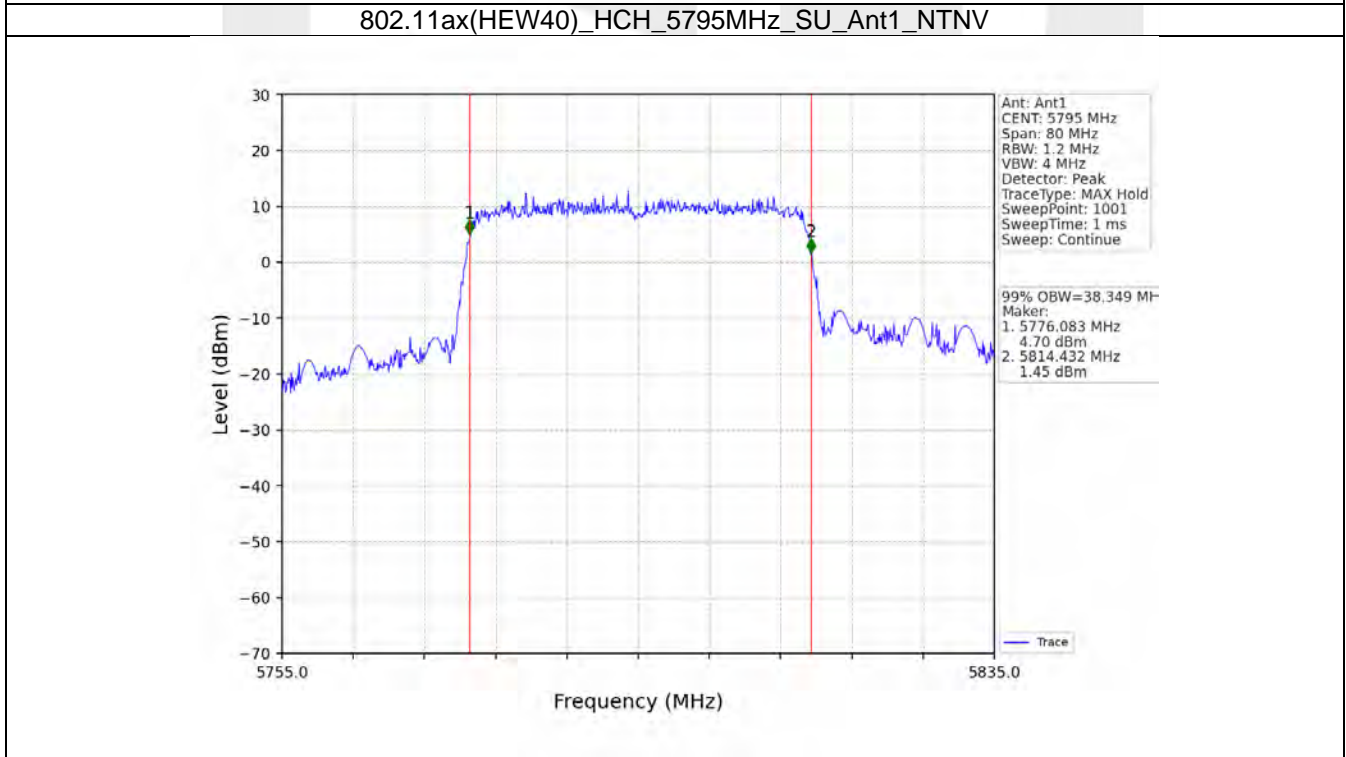
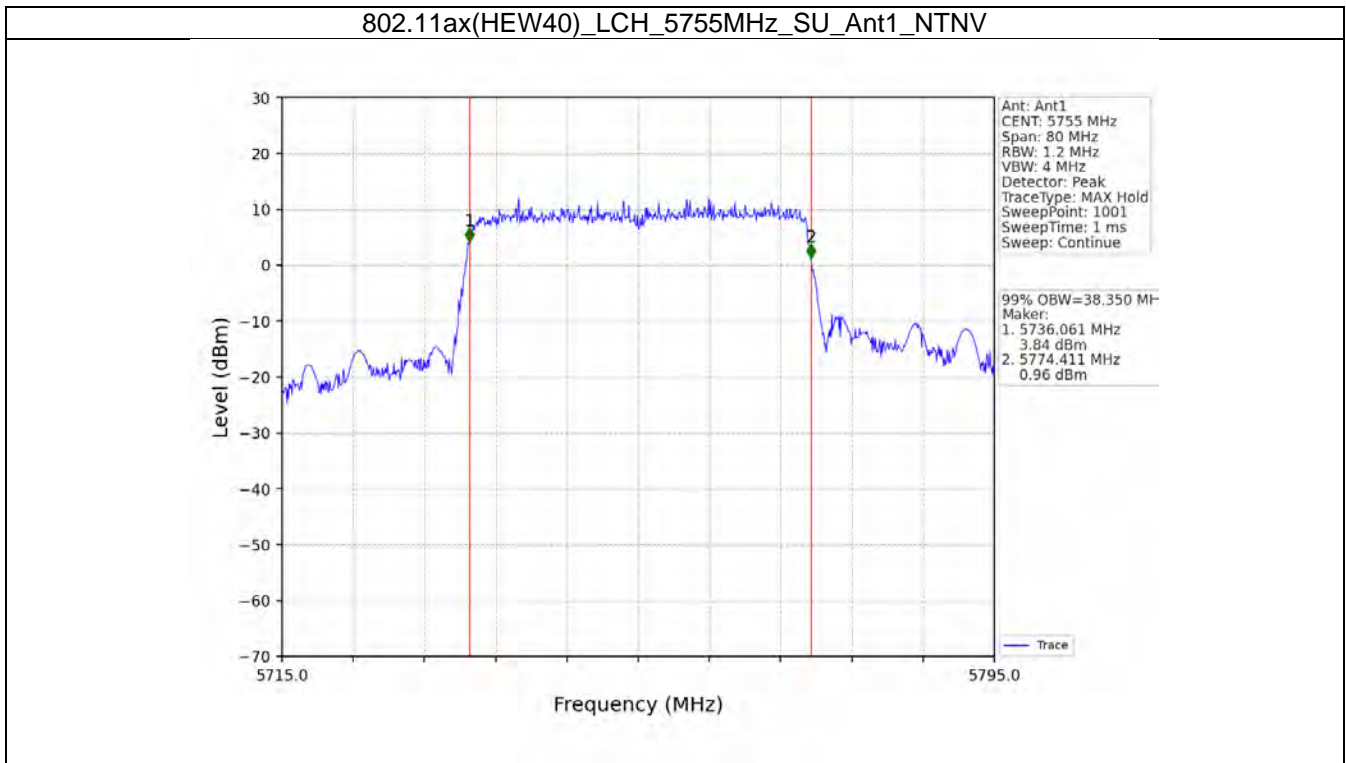


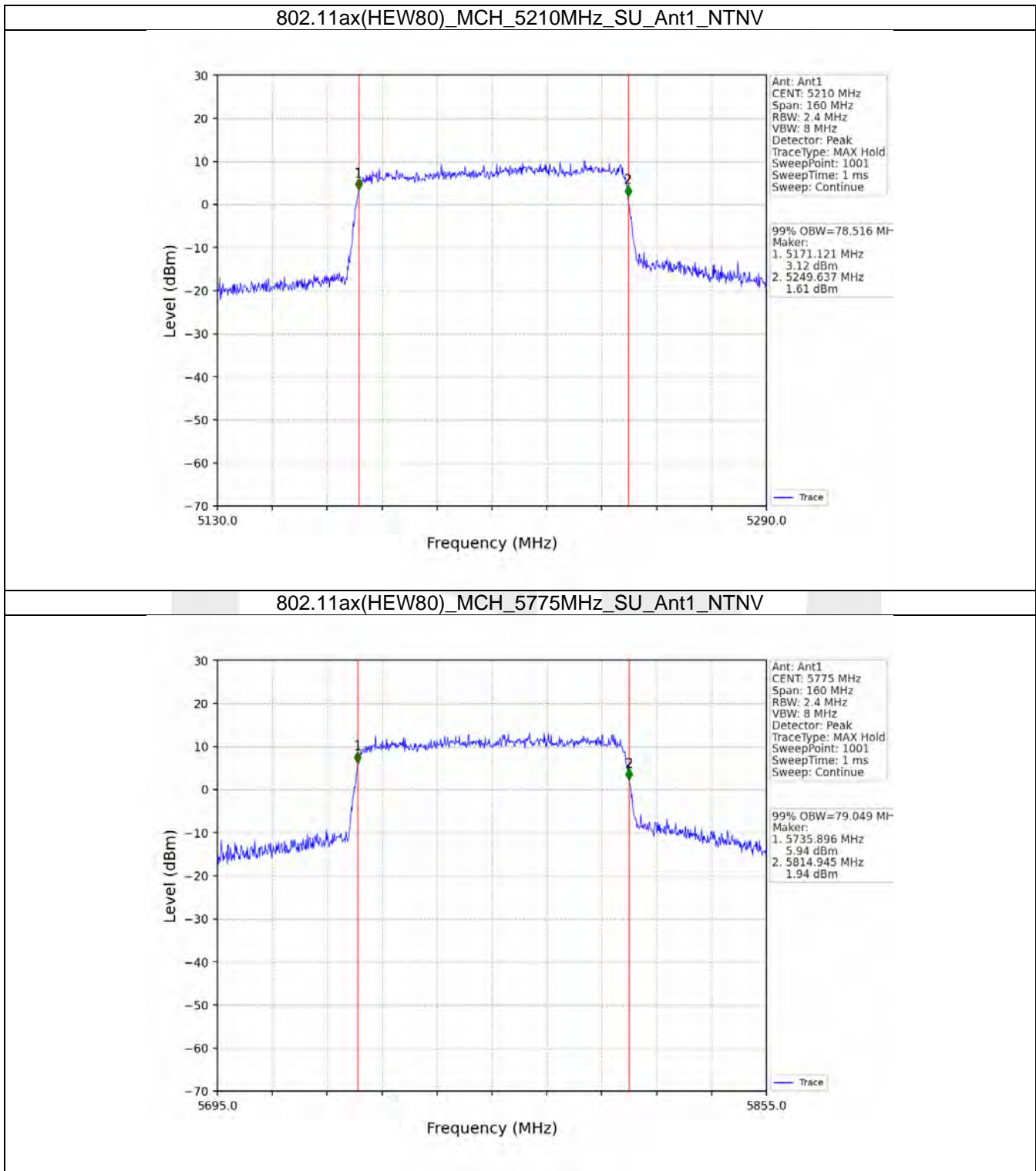






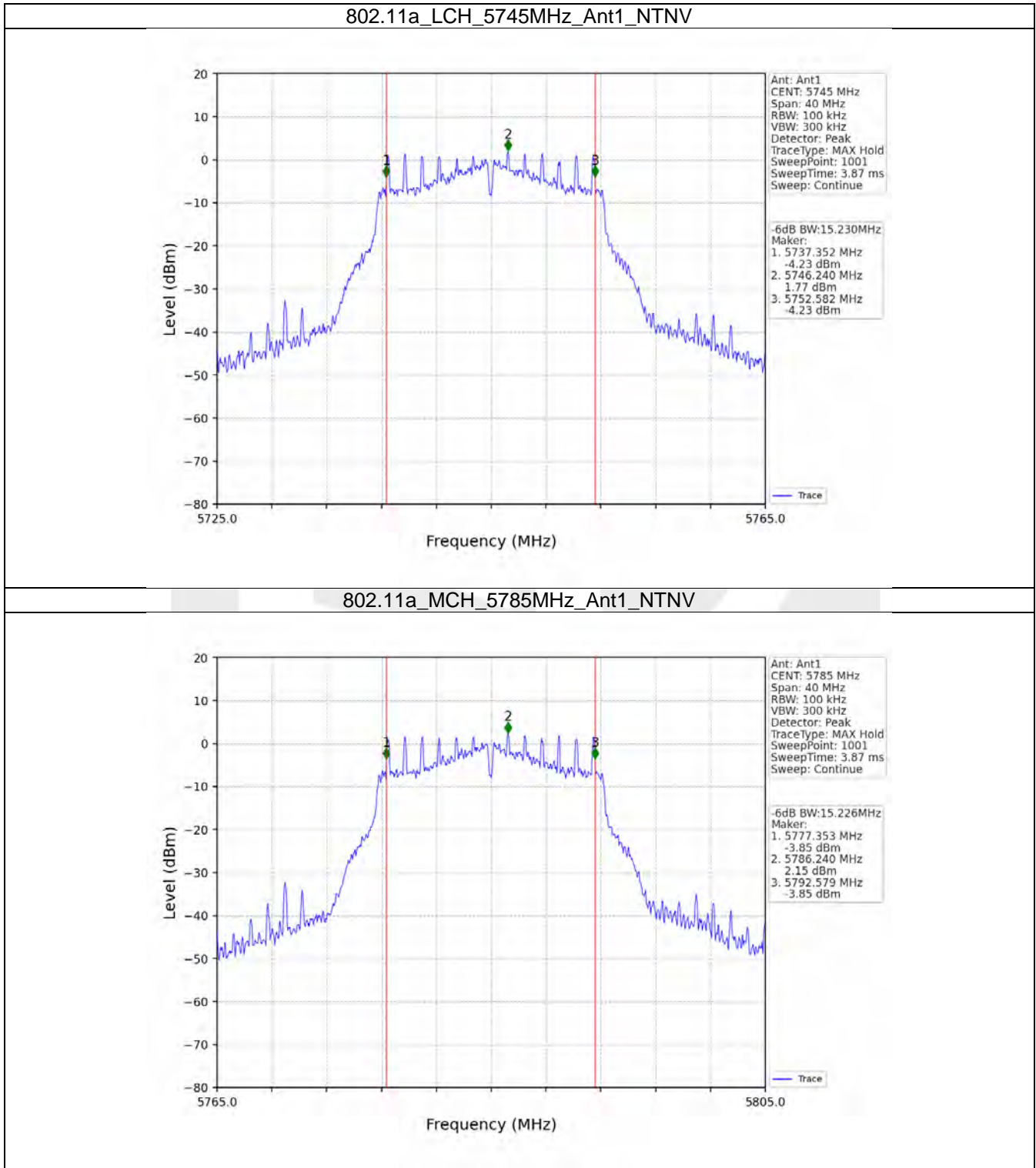


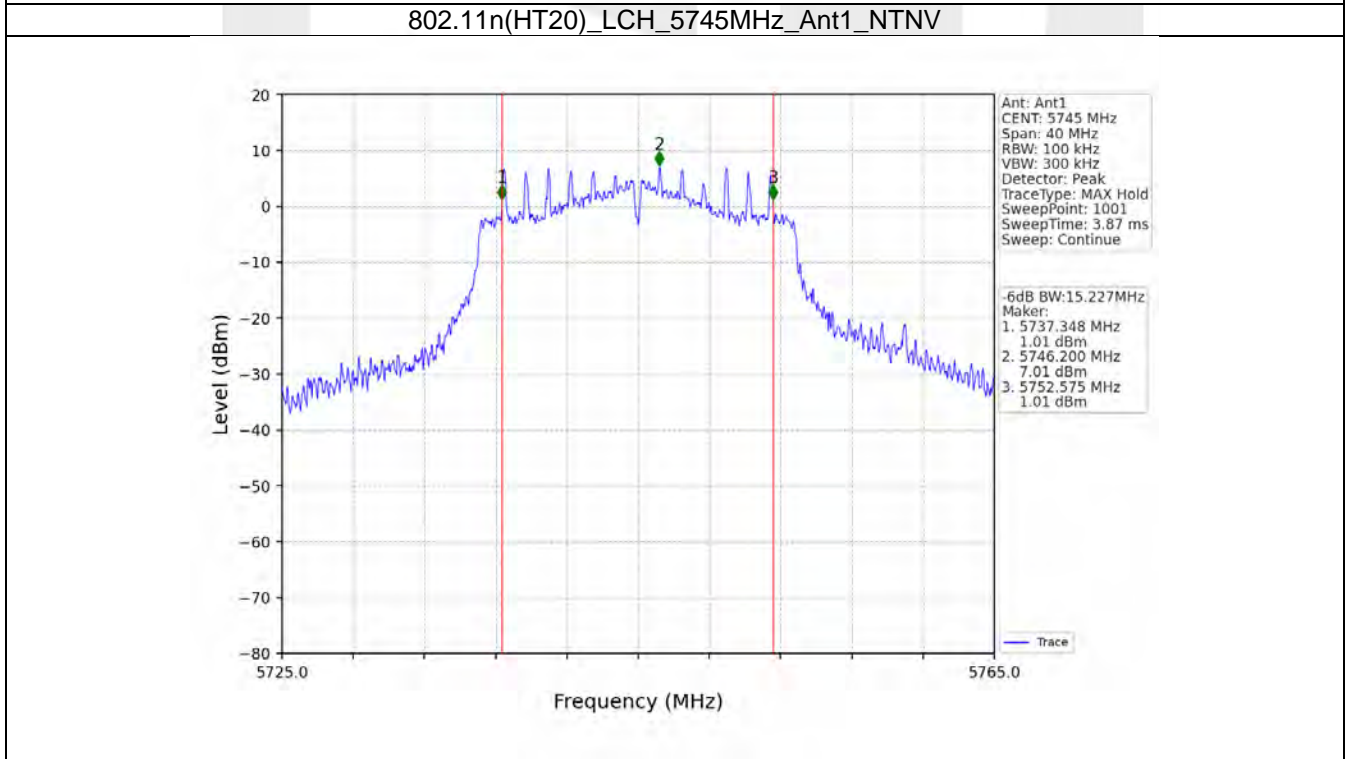
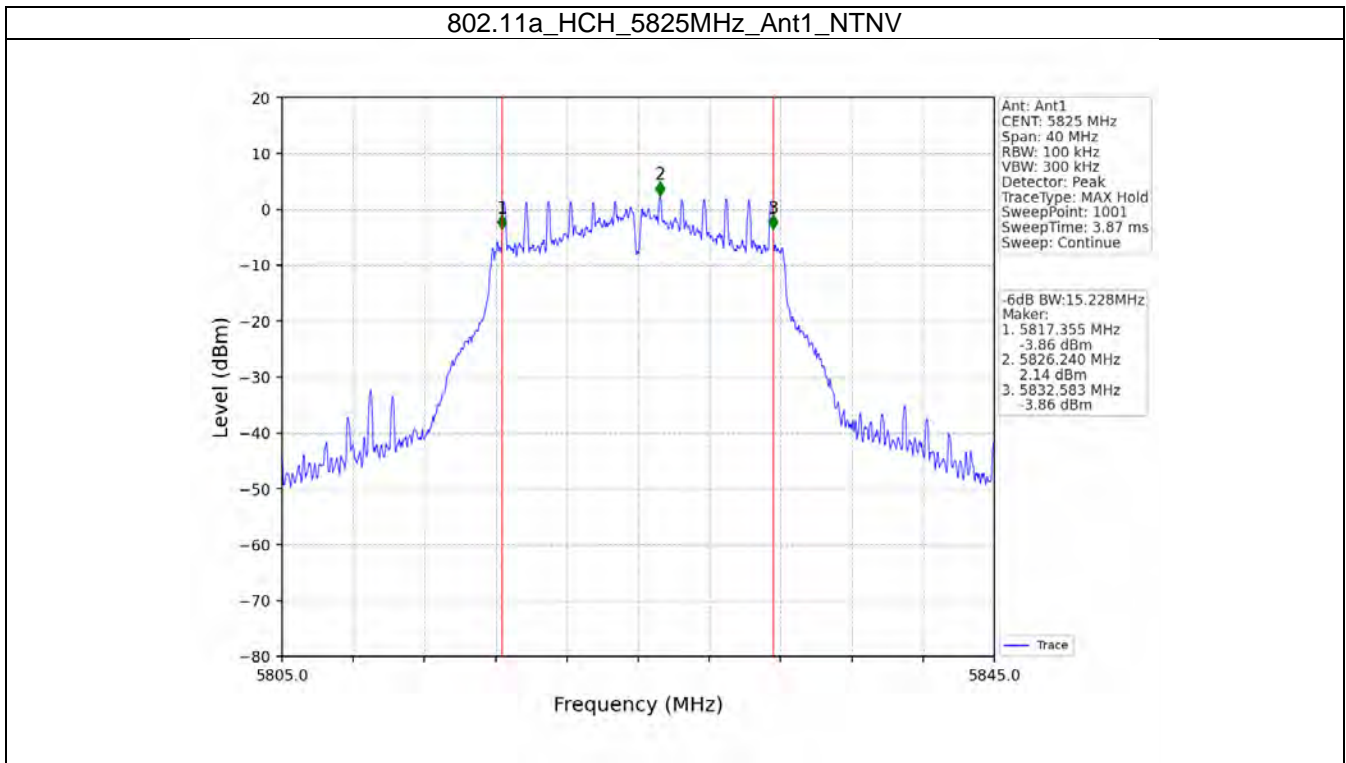


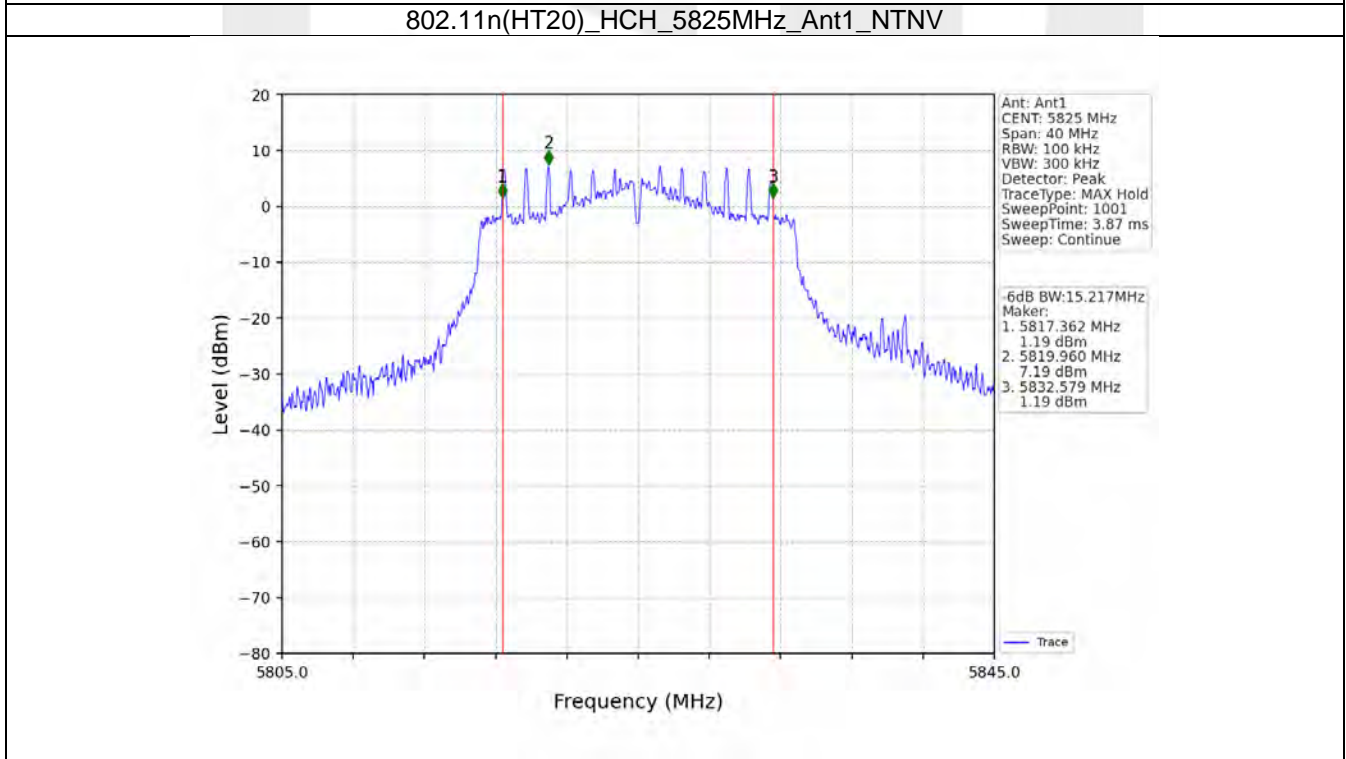
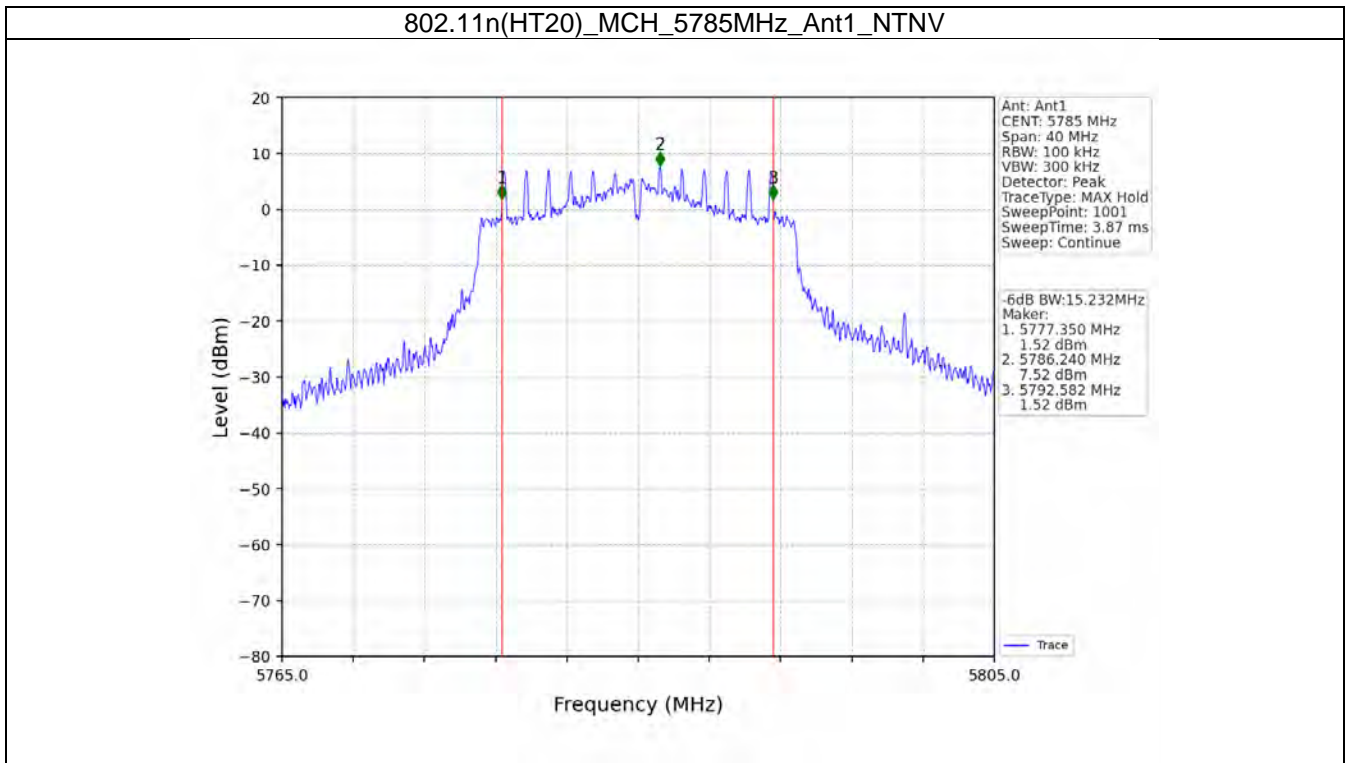


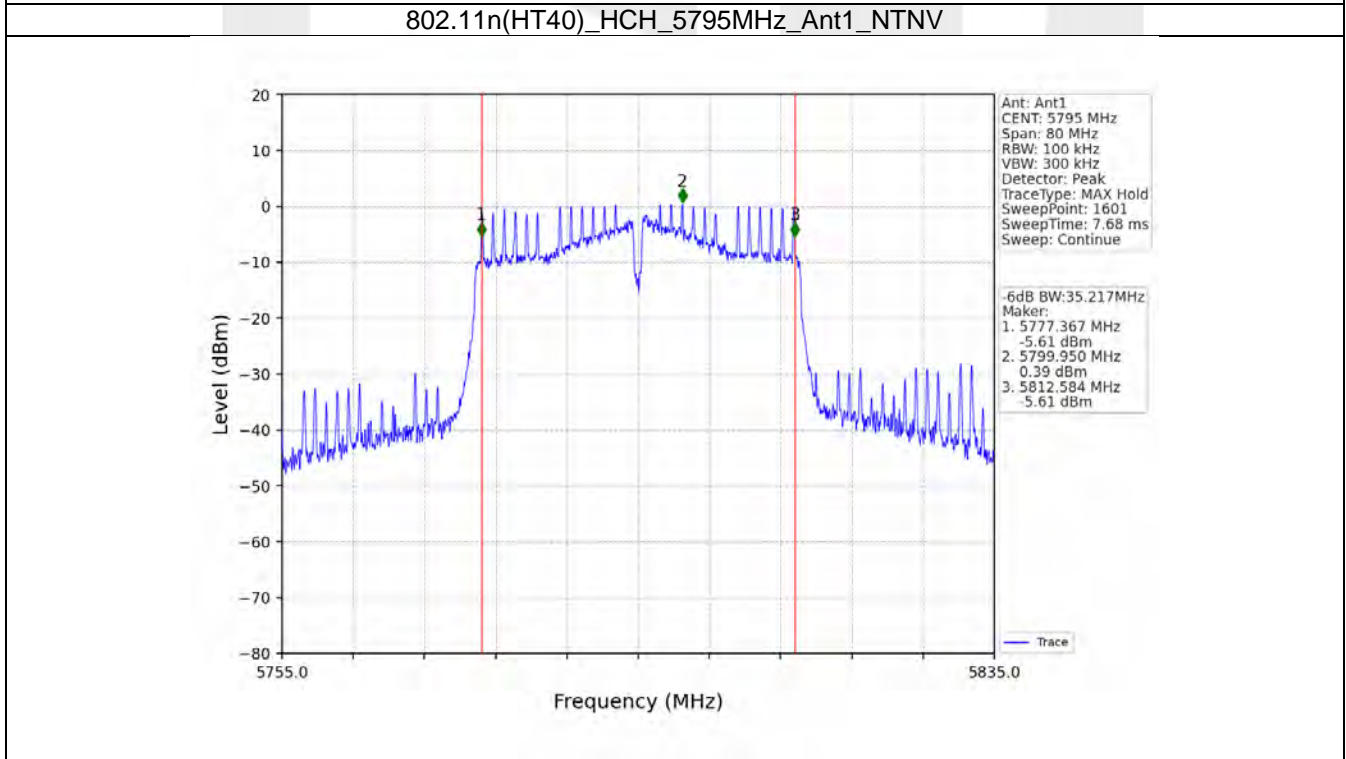
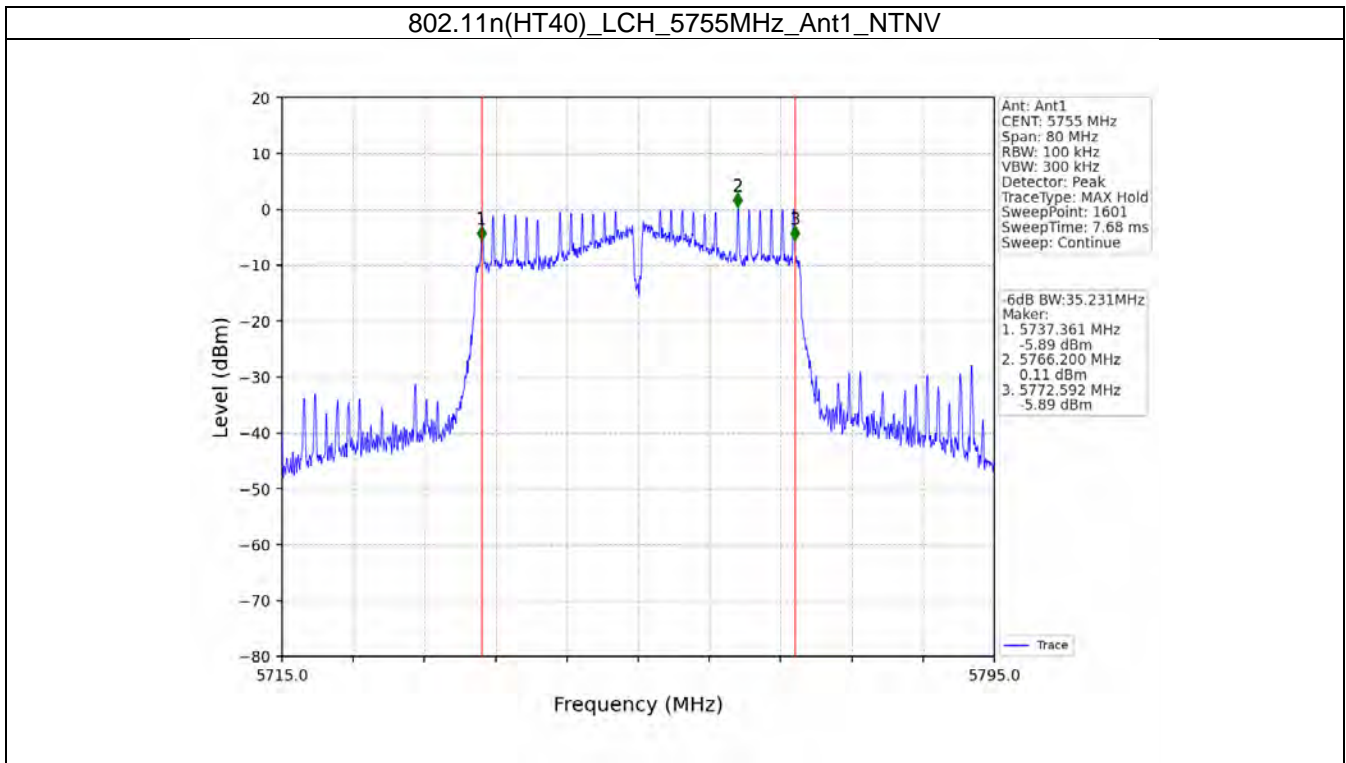


2.2.2 6dB BW

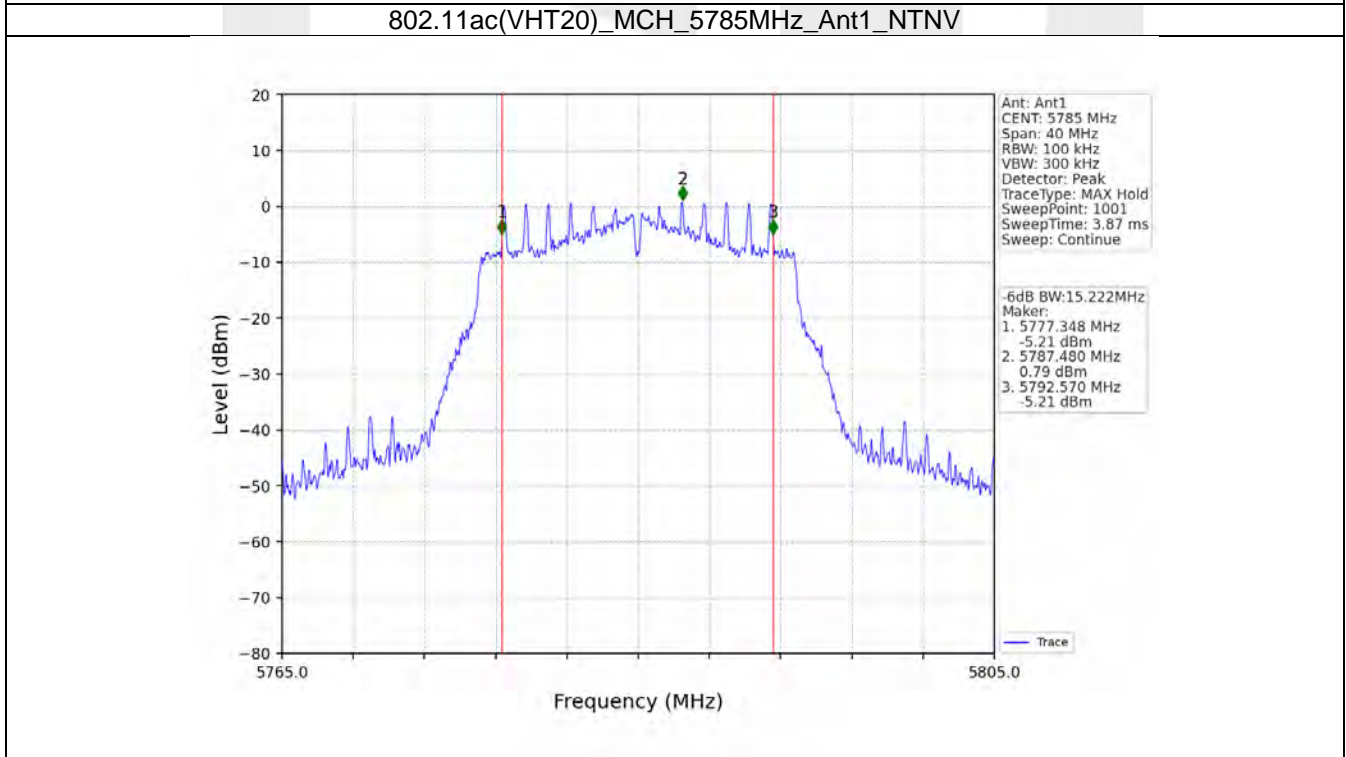
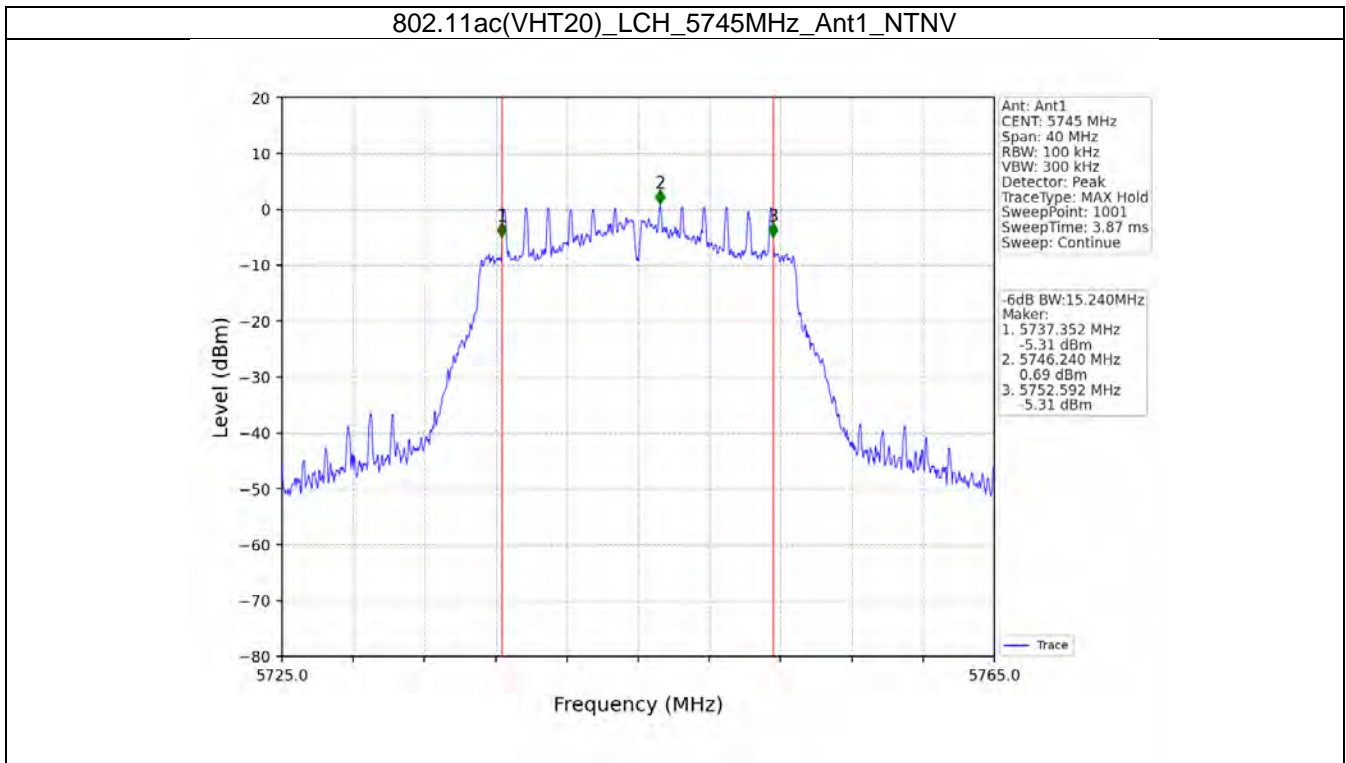


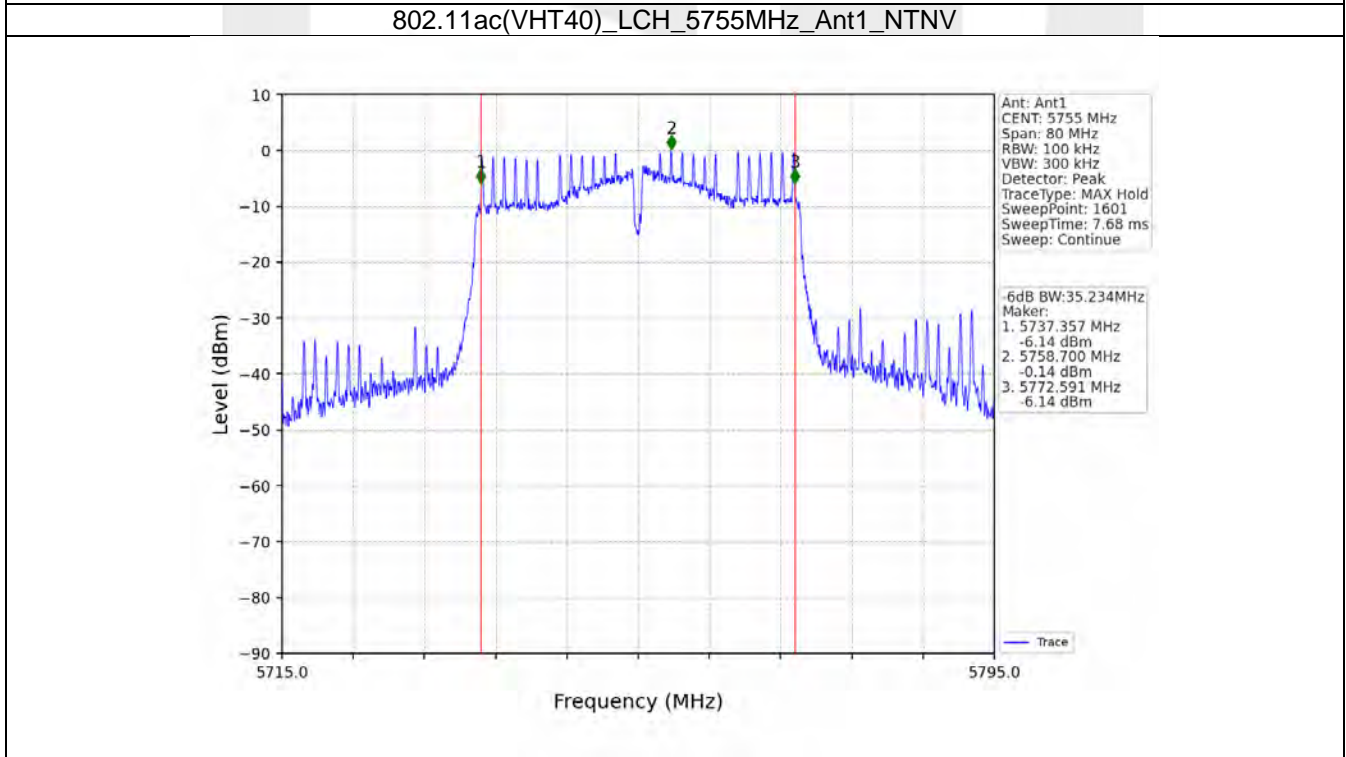
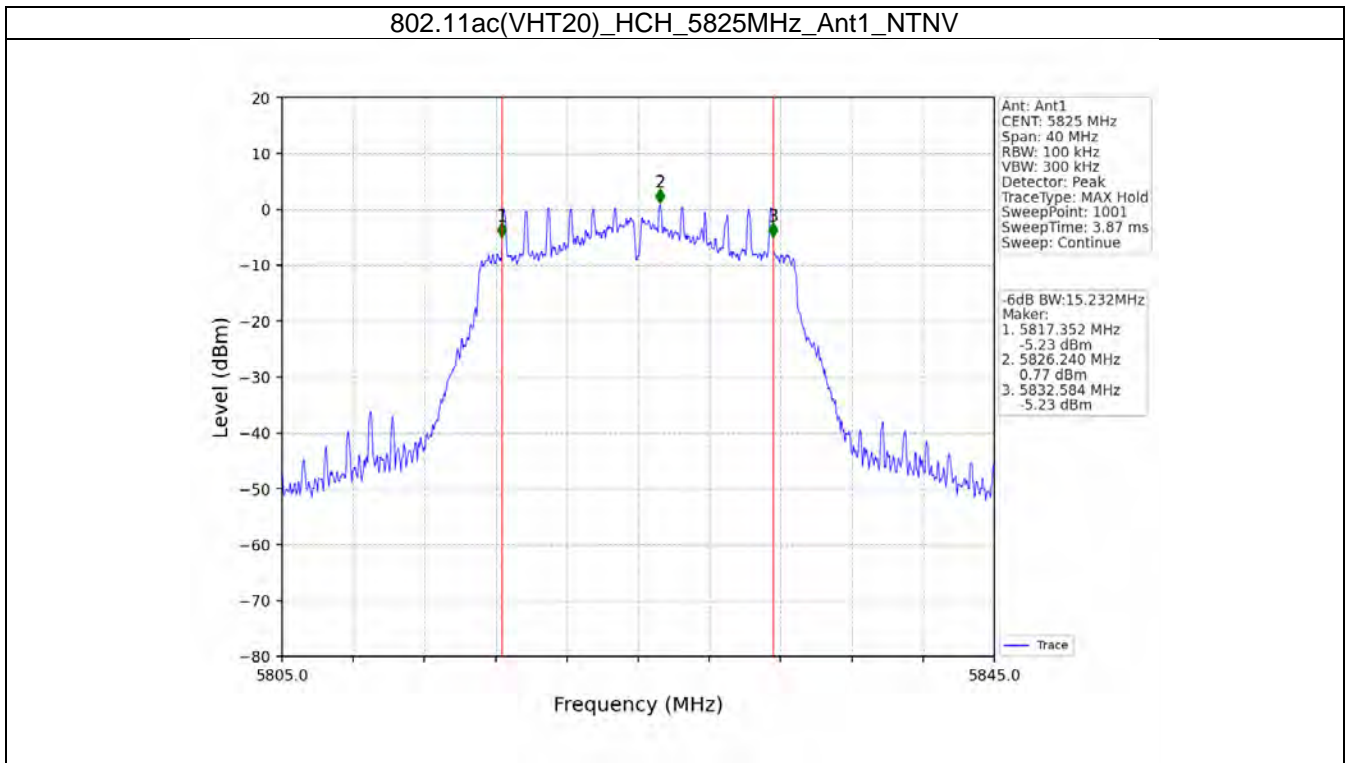


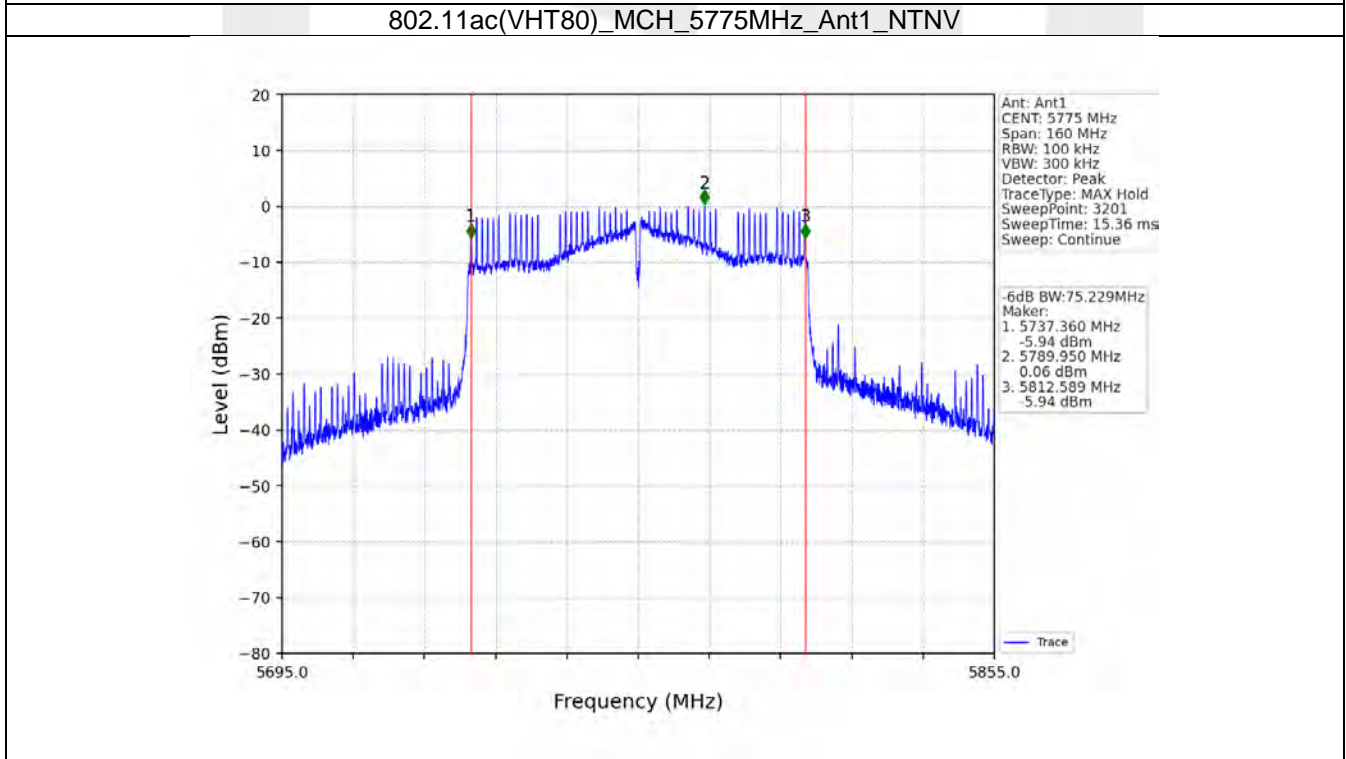
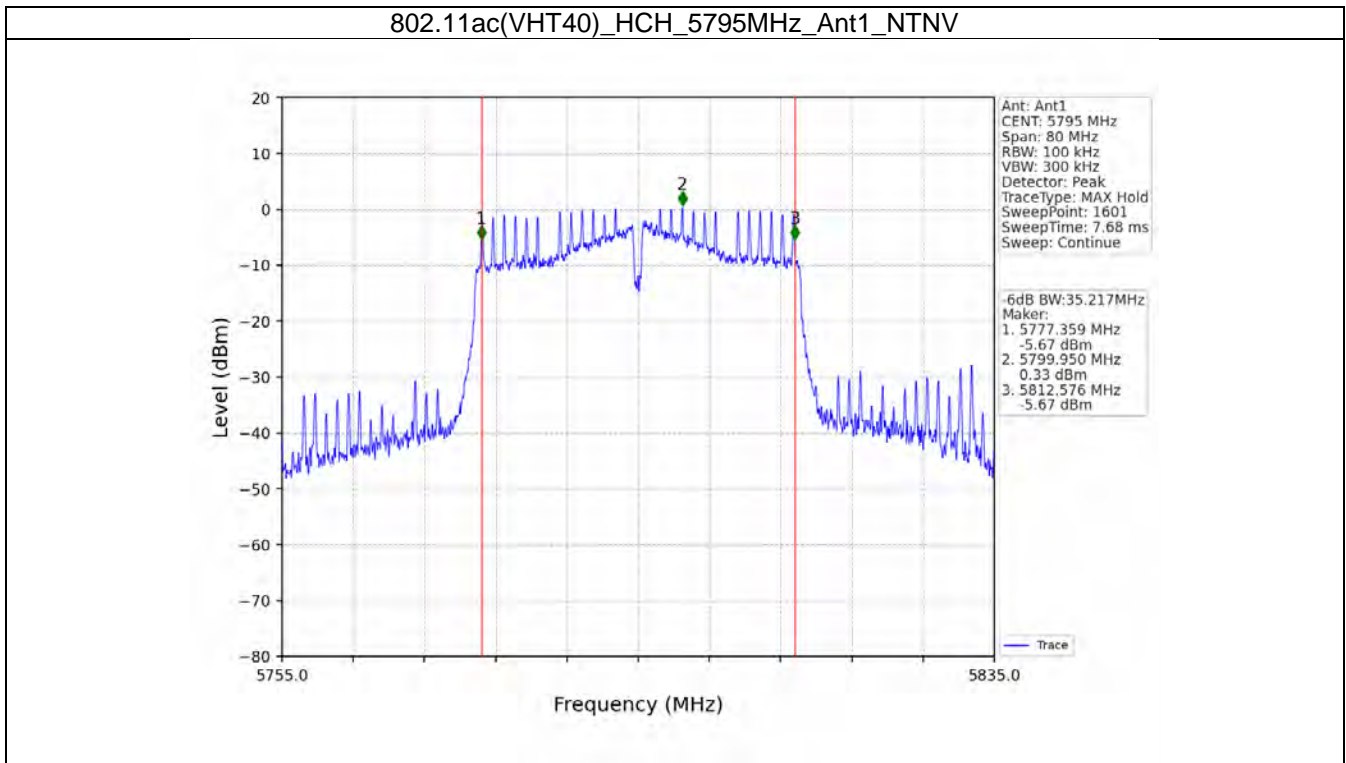


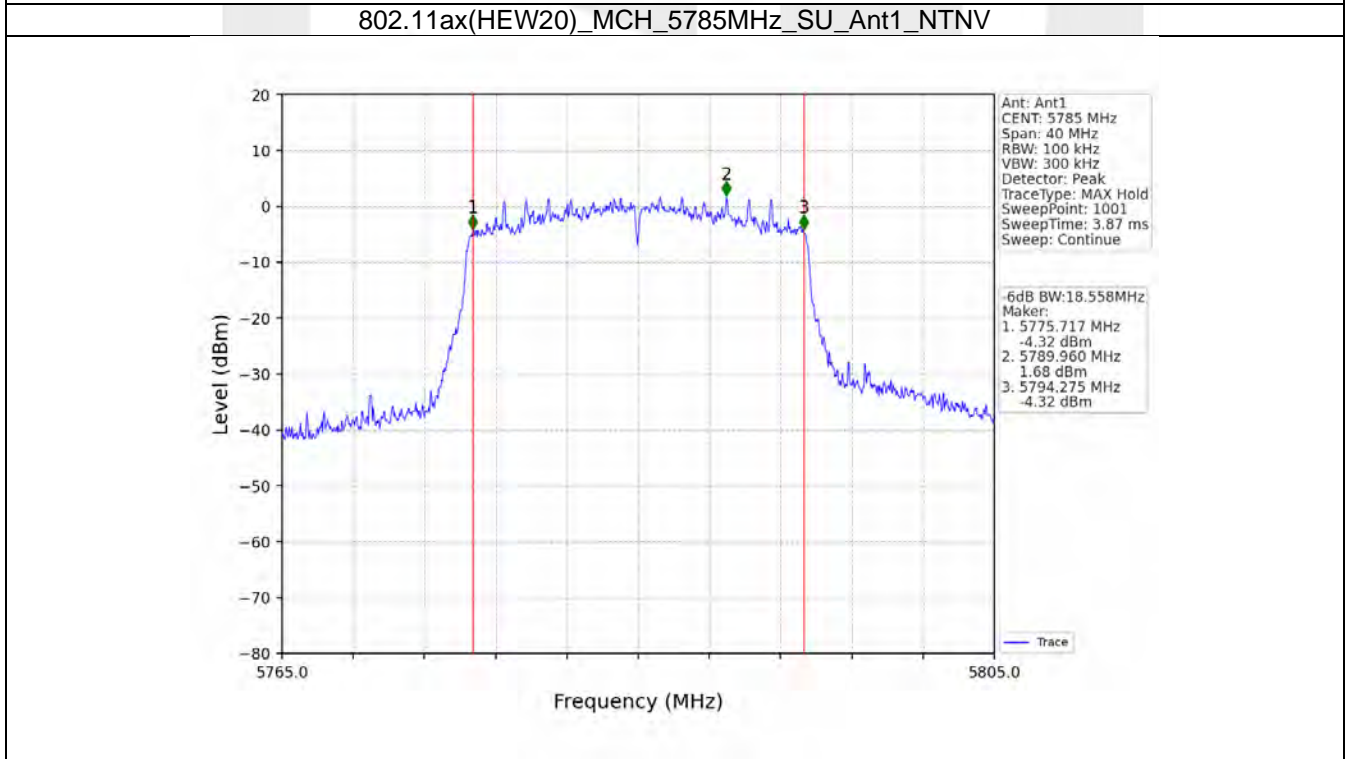
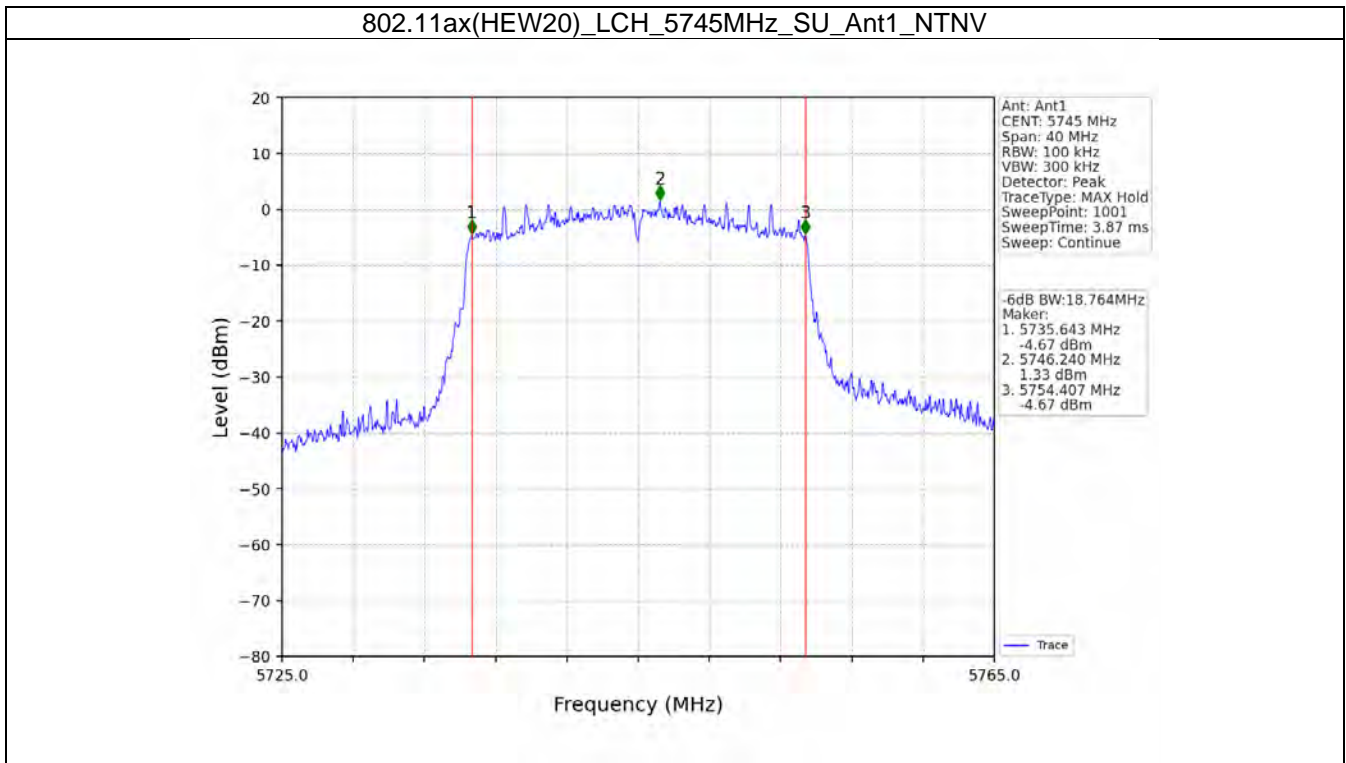




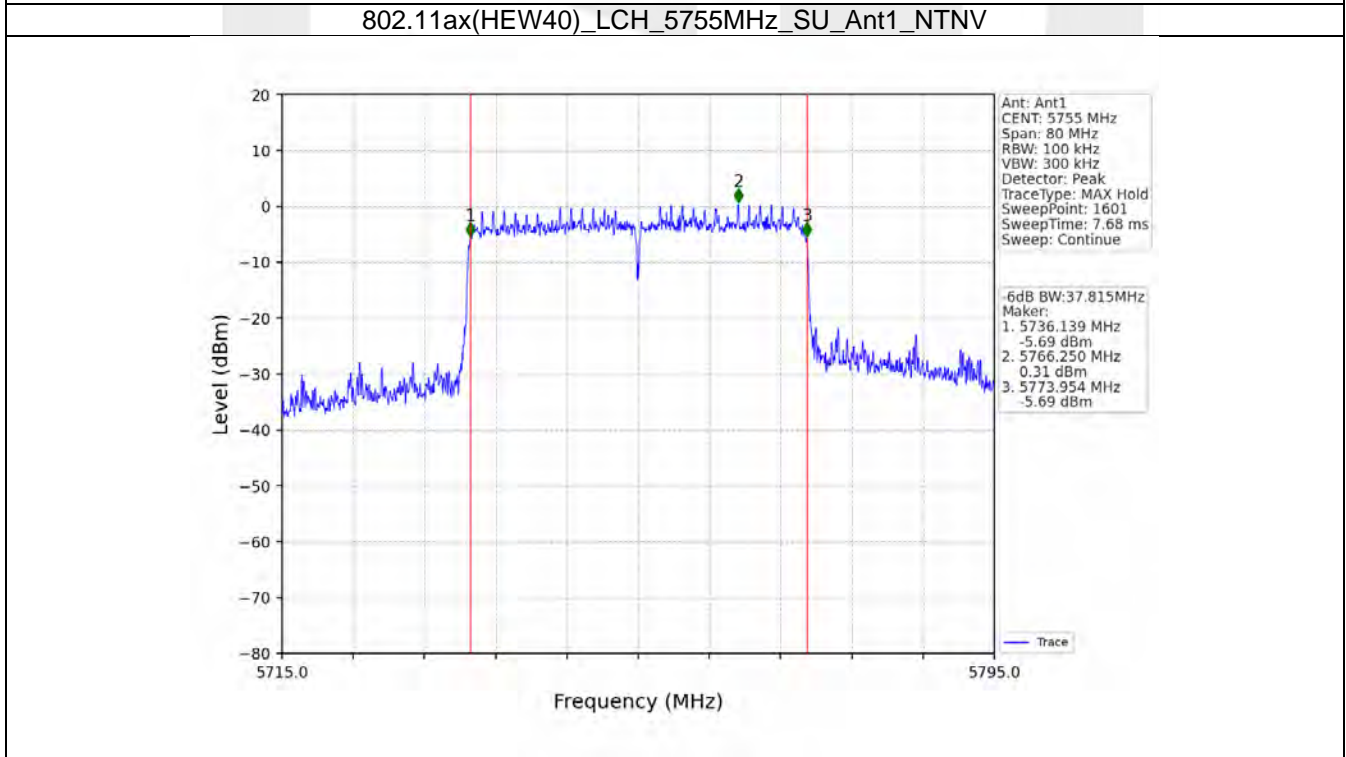
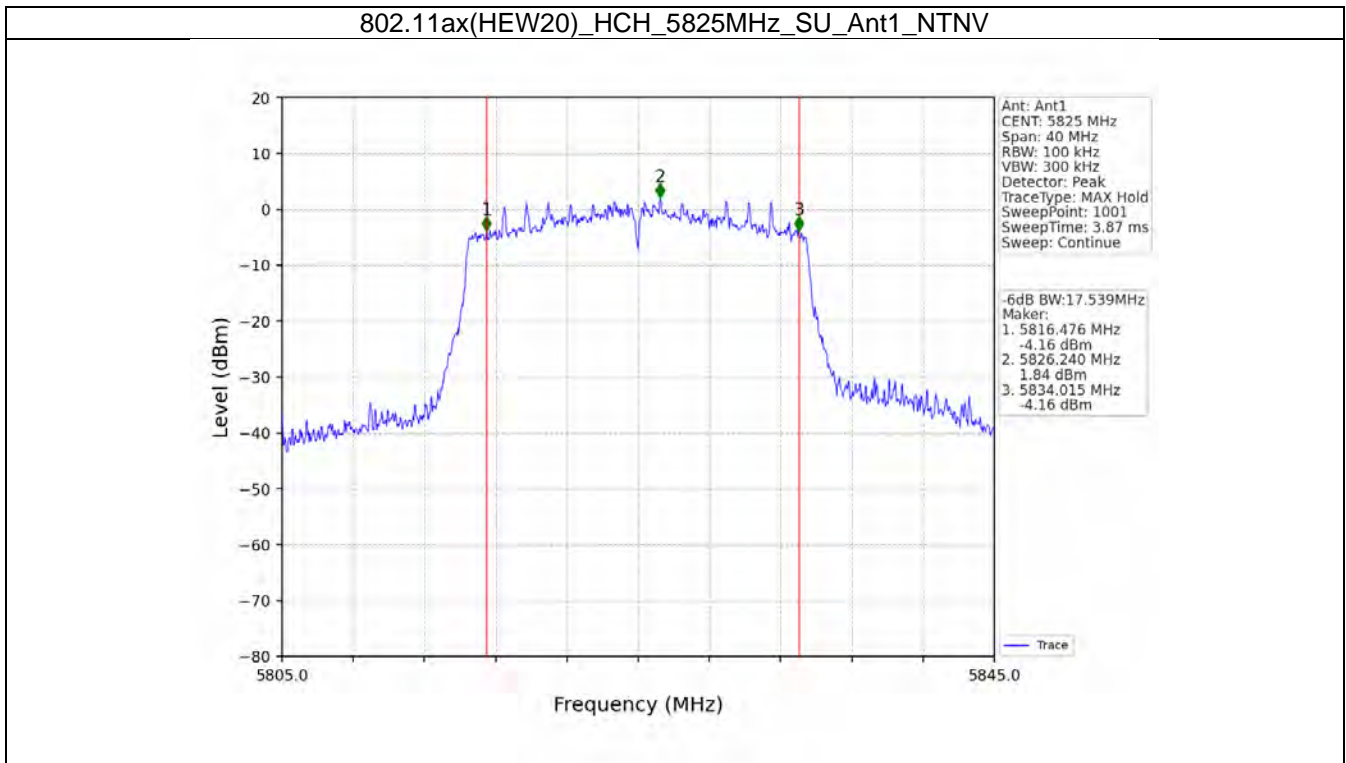


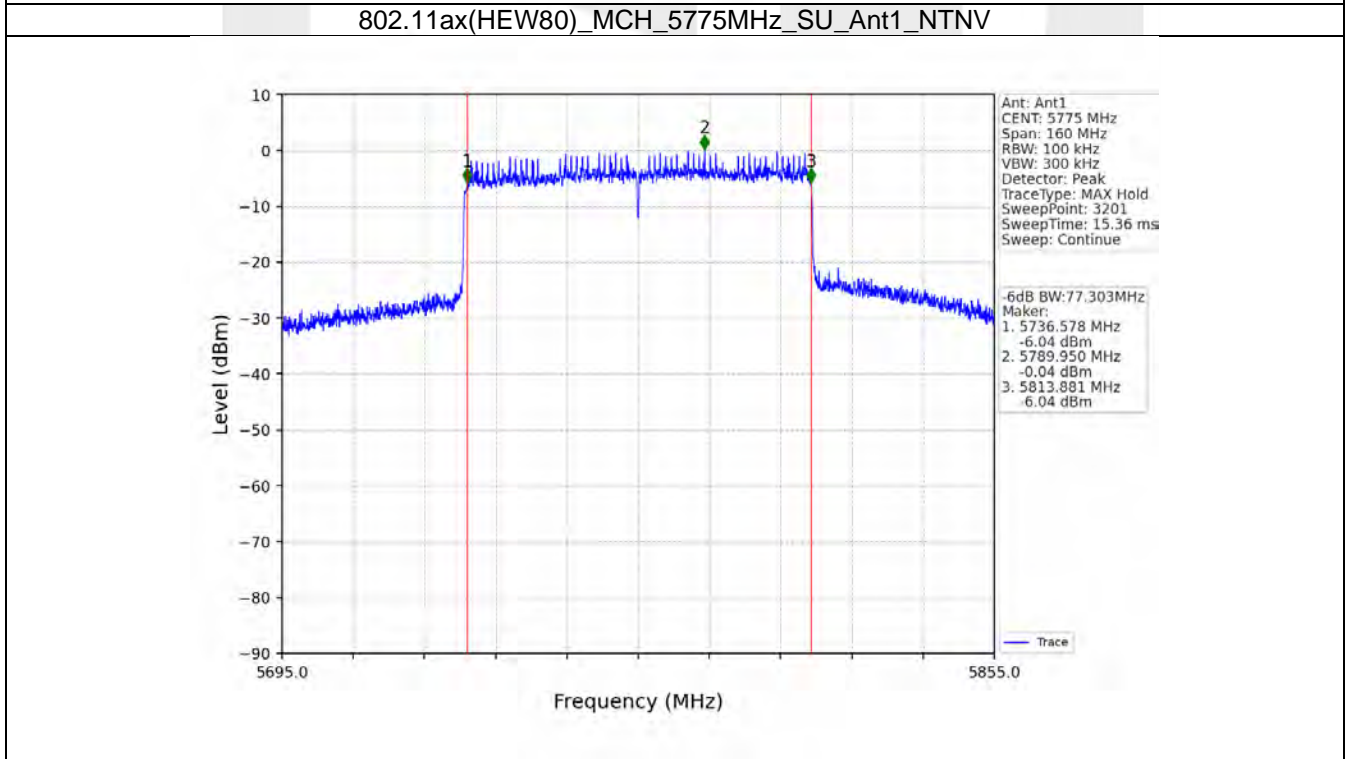
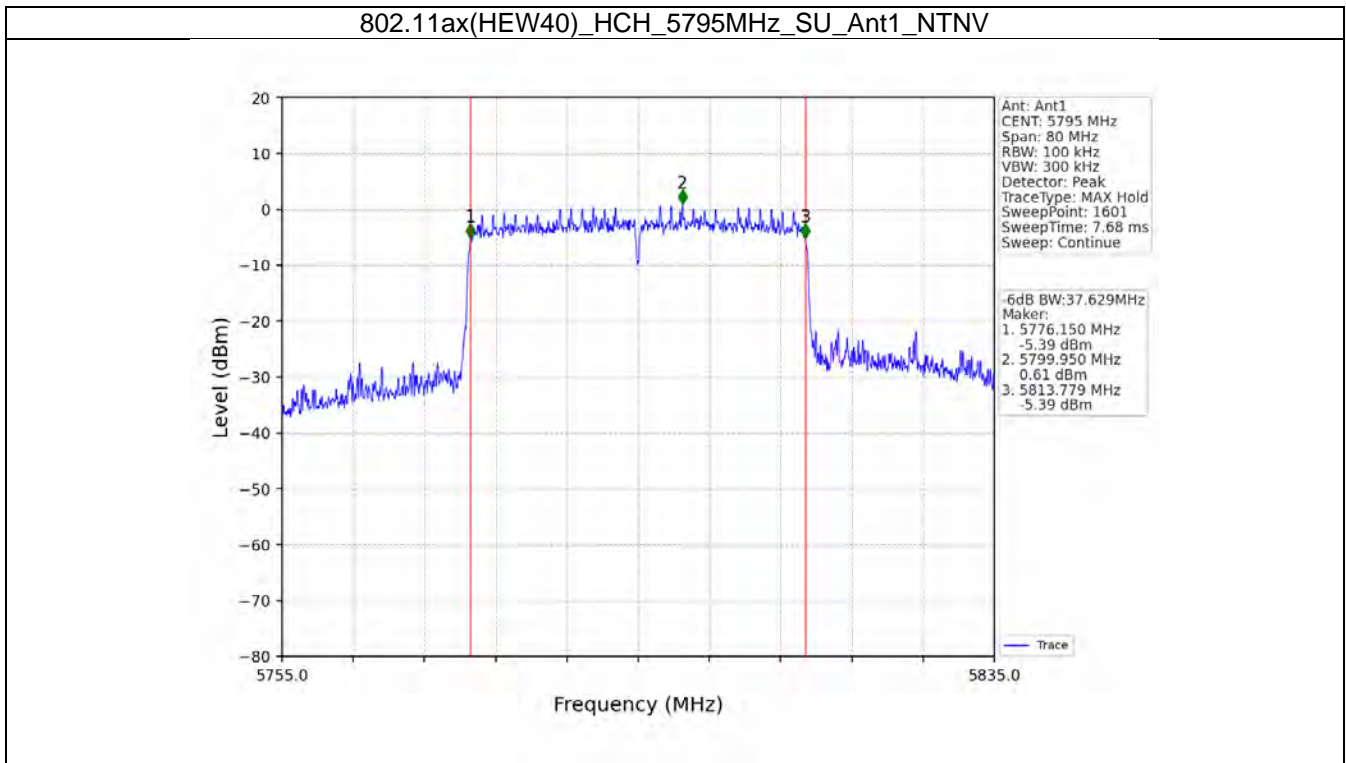




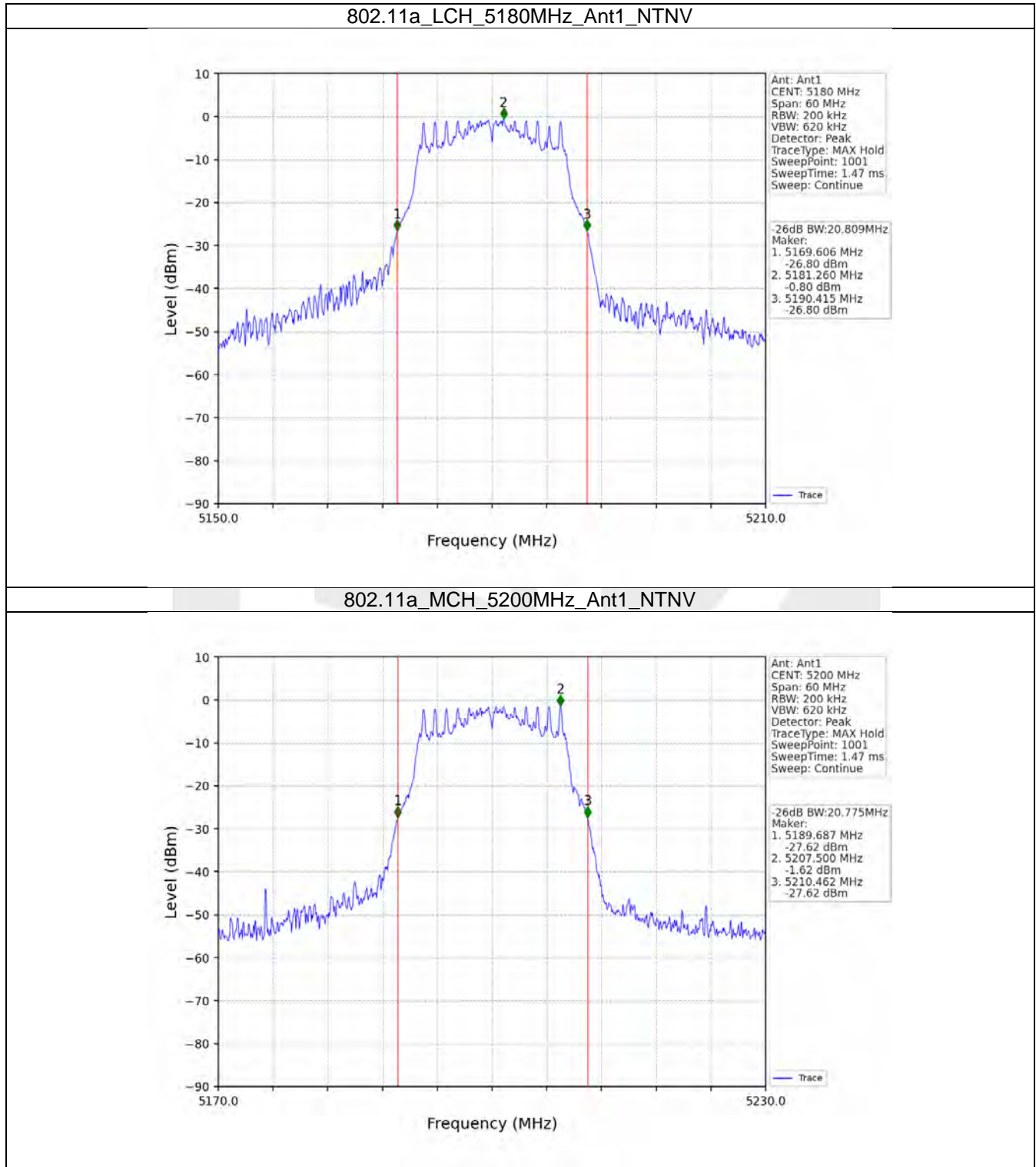


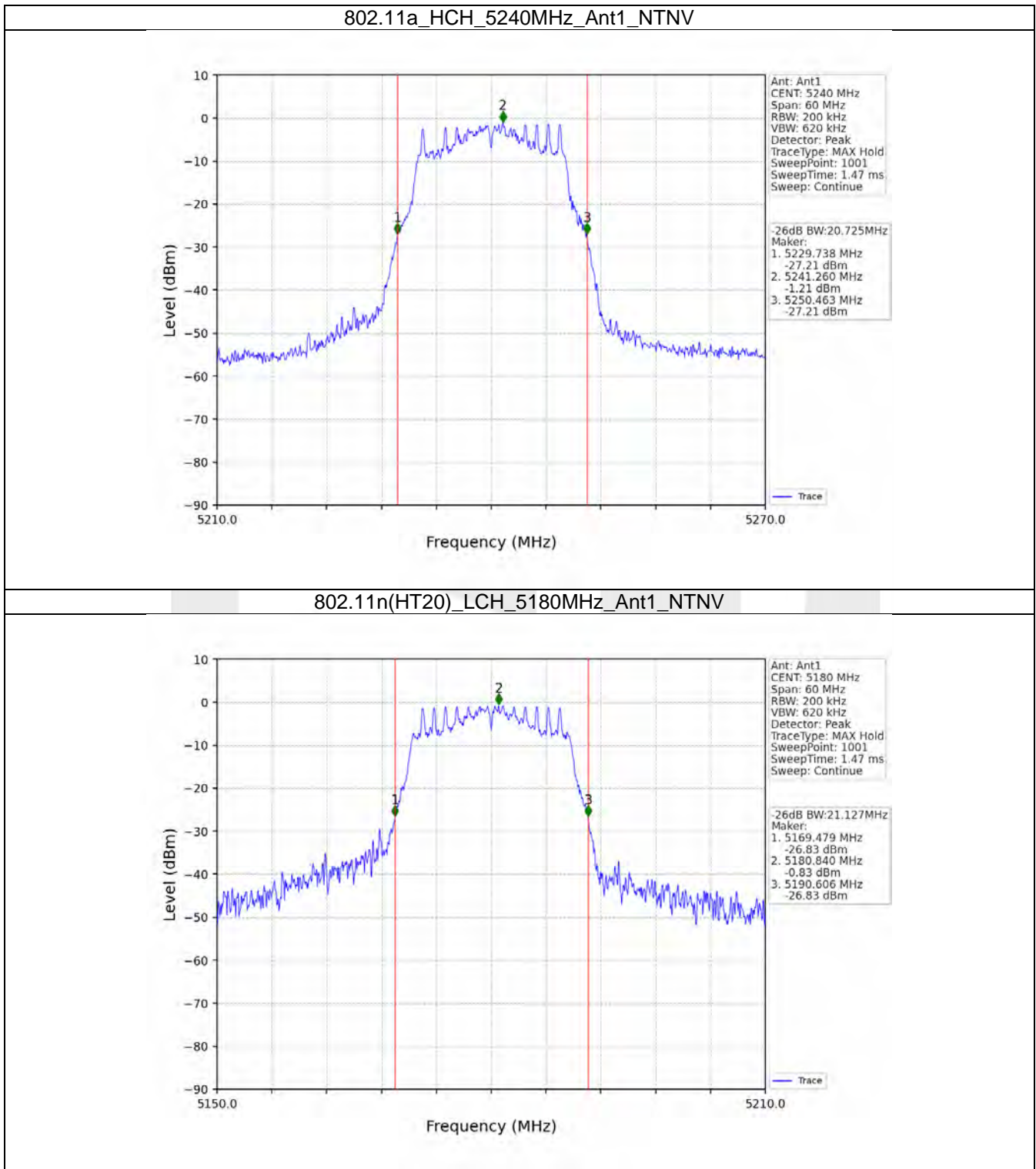




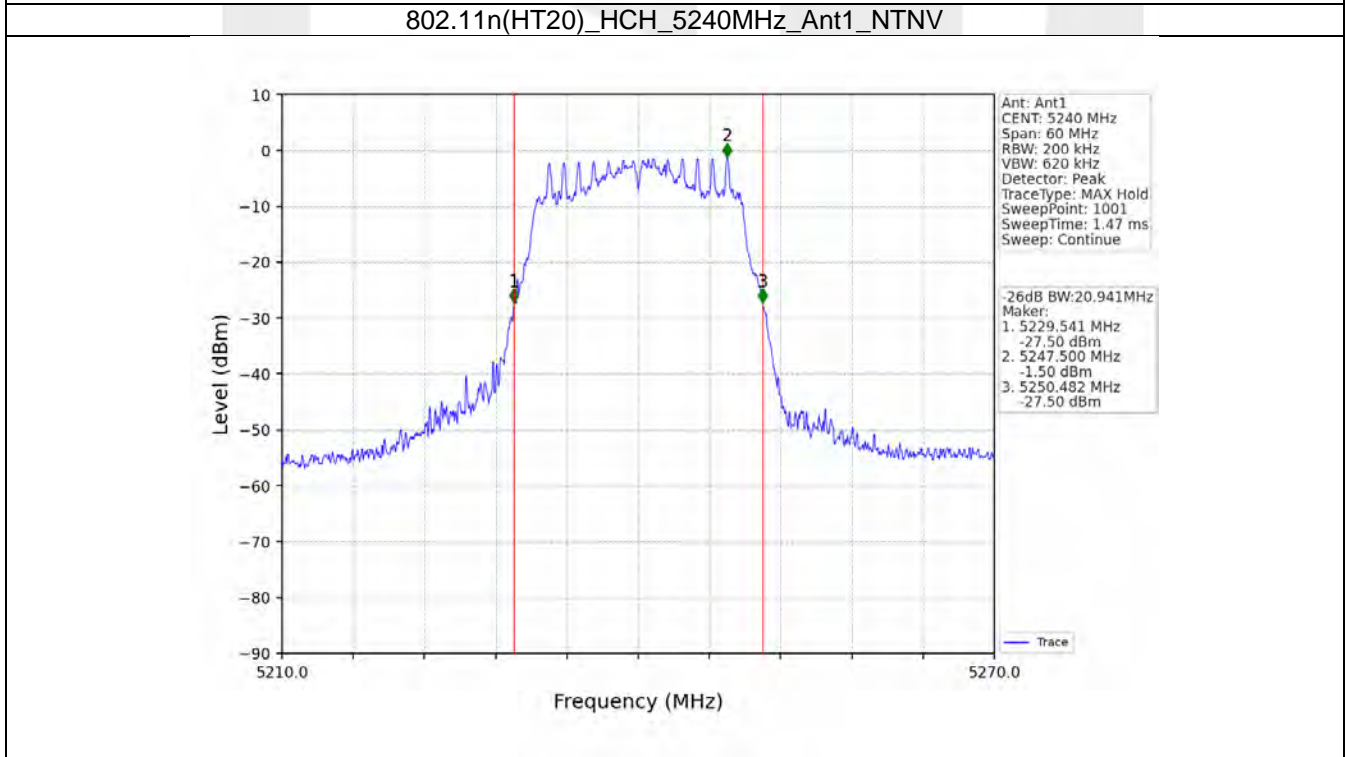
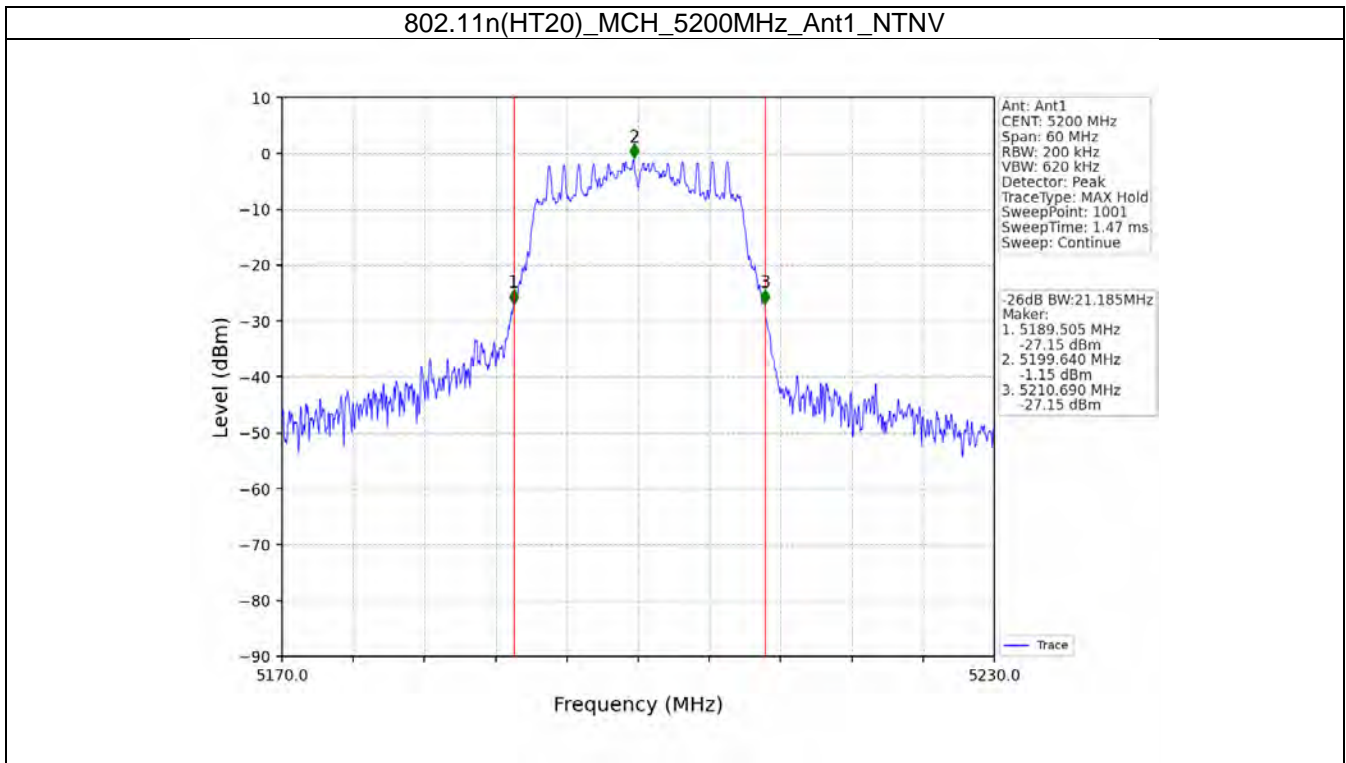


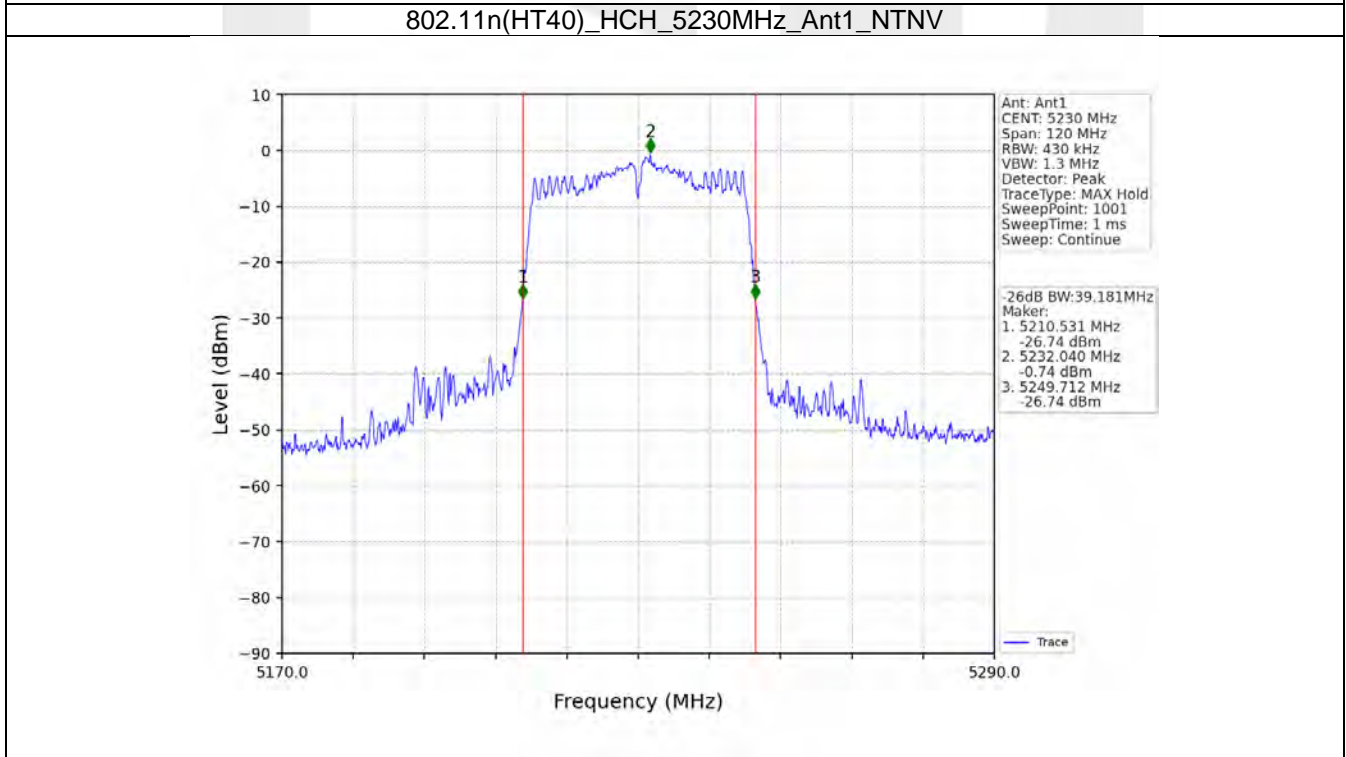
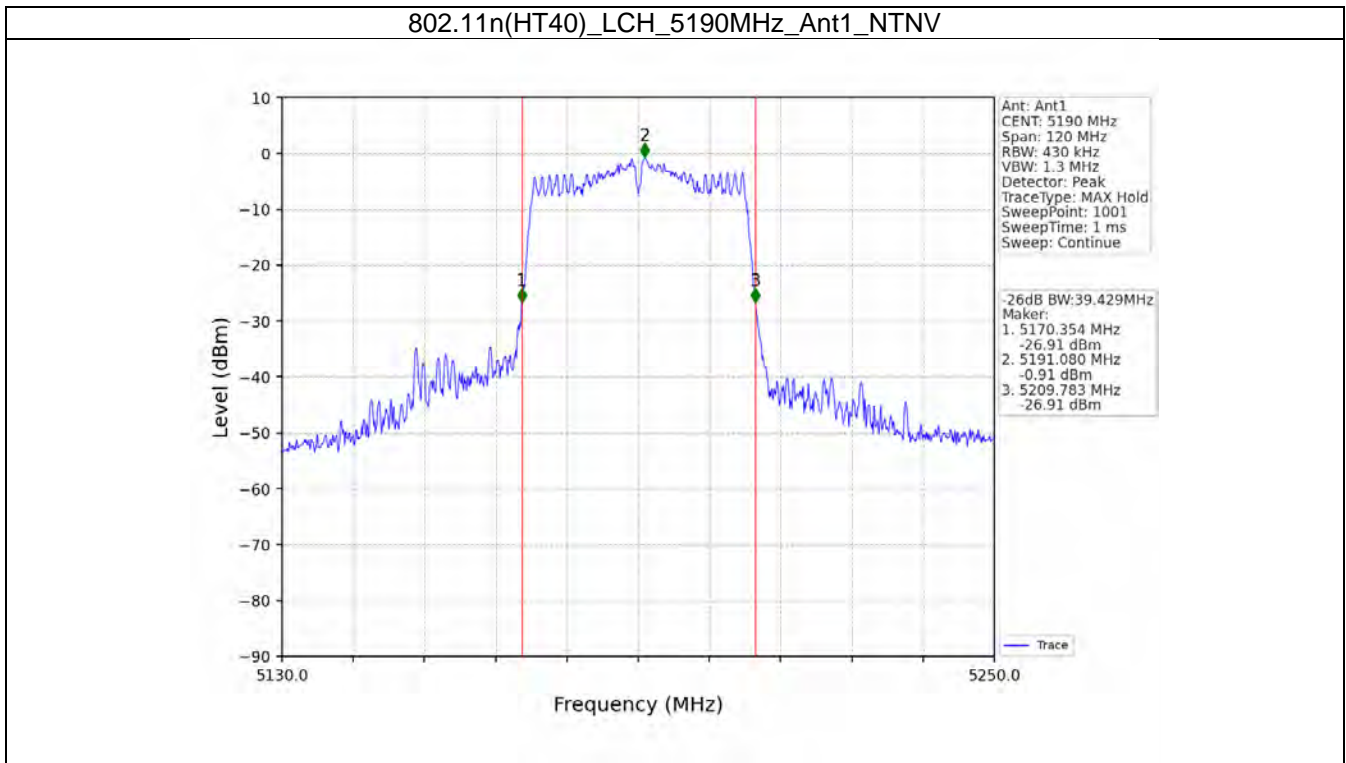
2.2.3 26dB BW



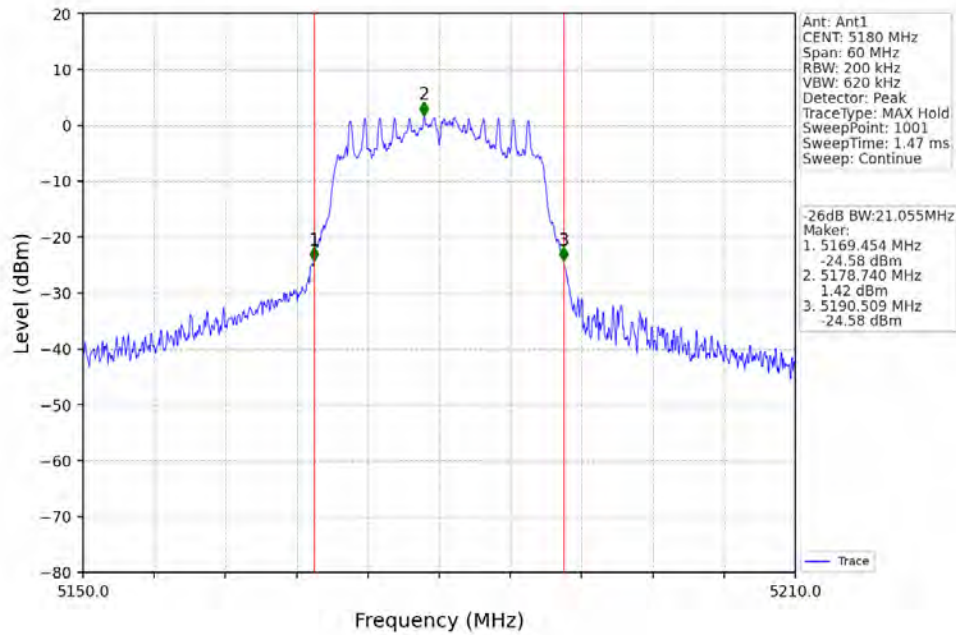




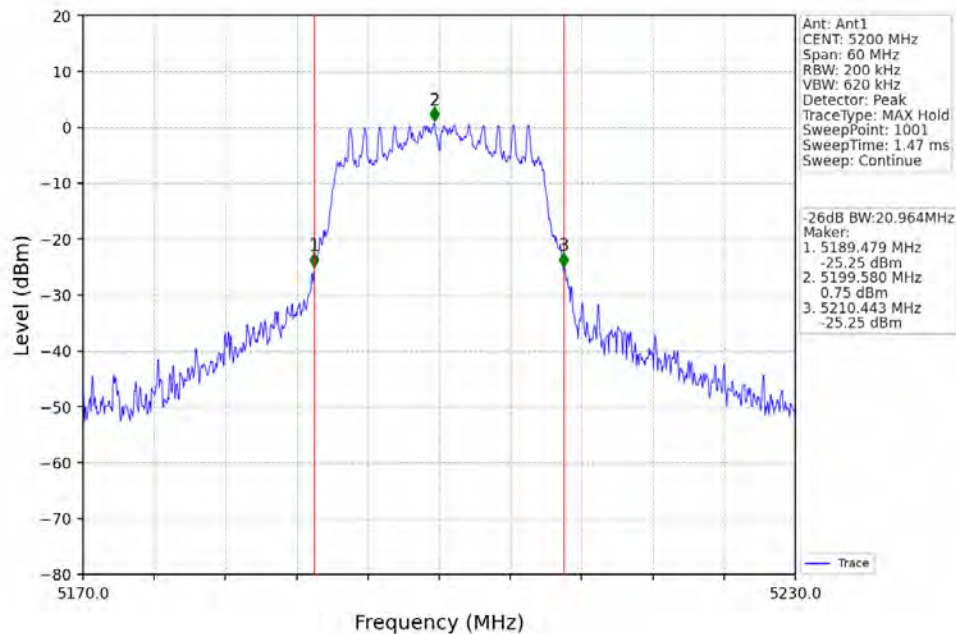


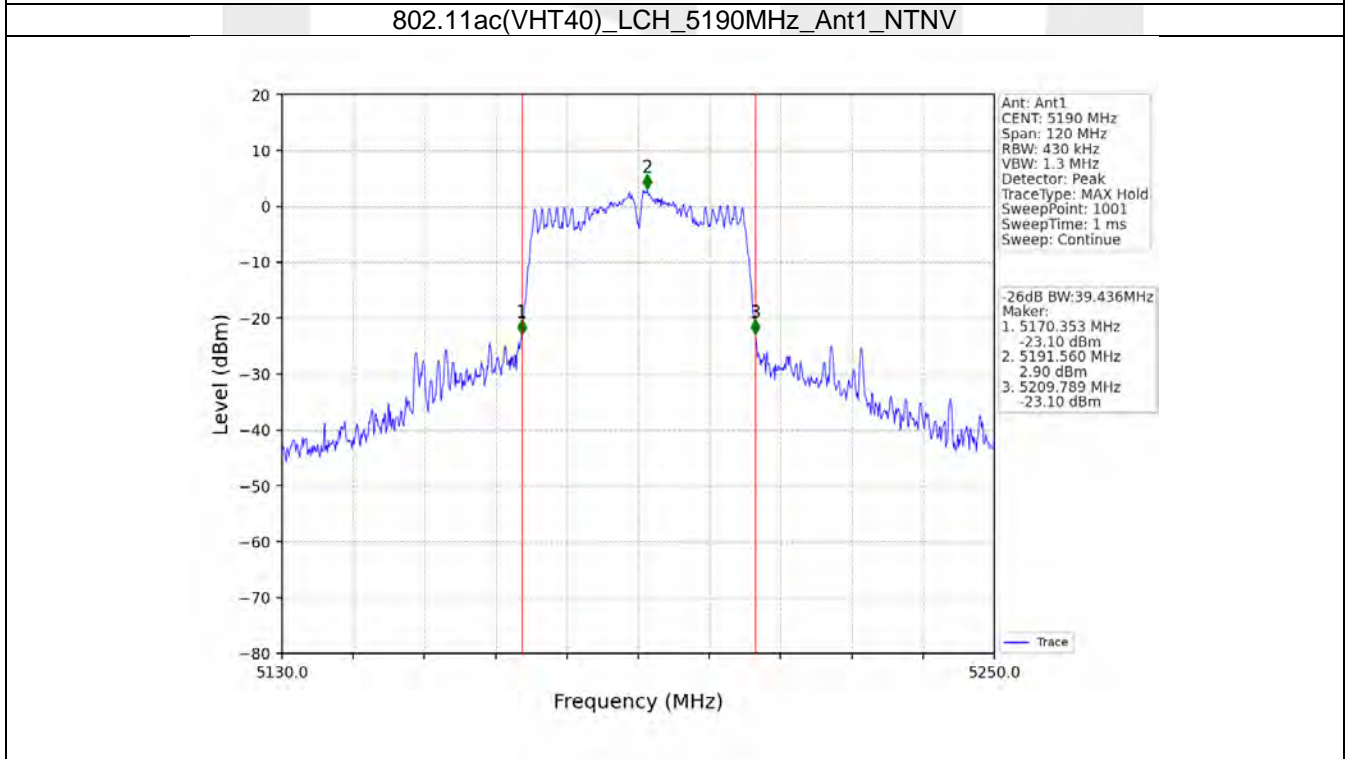
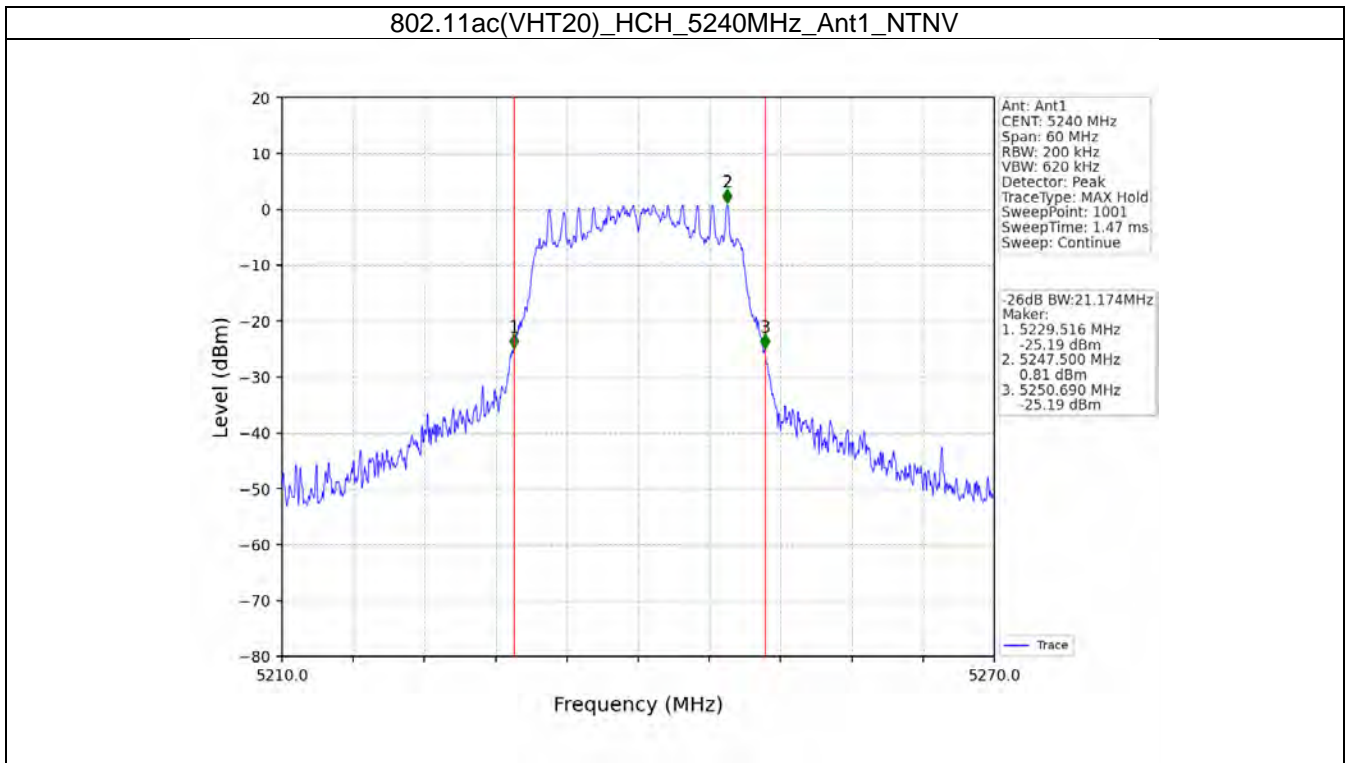


802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV

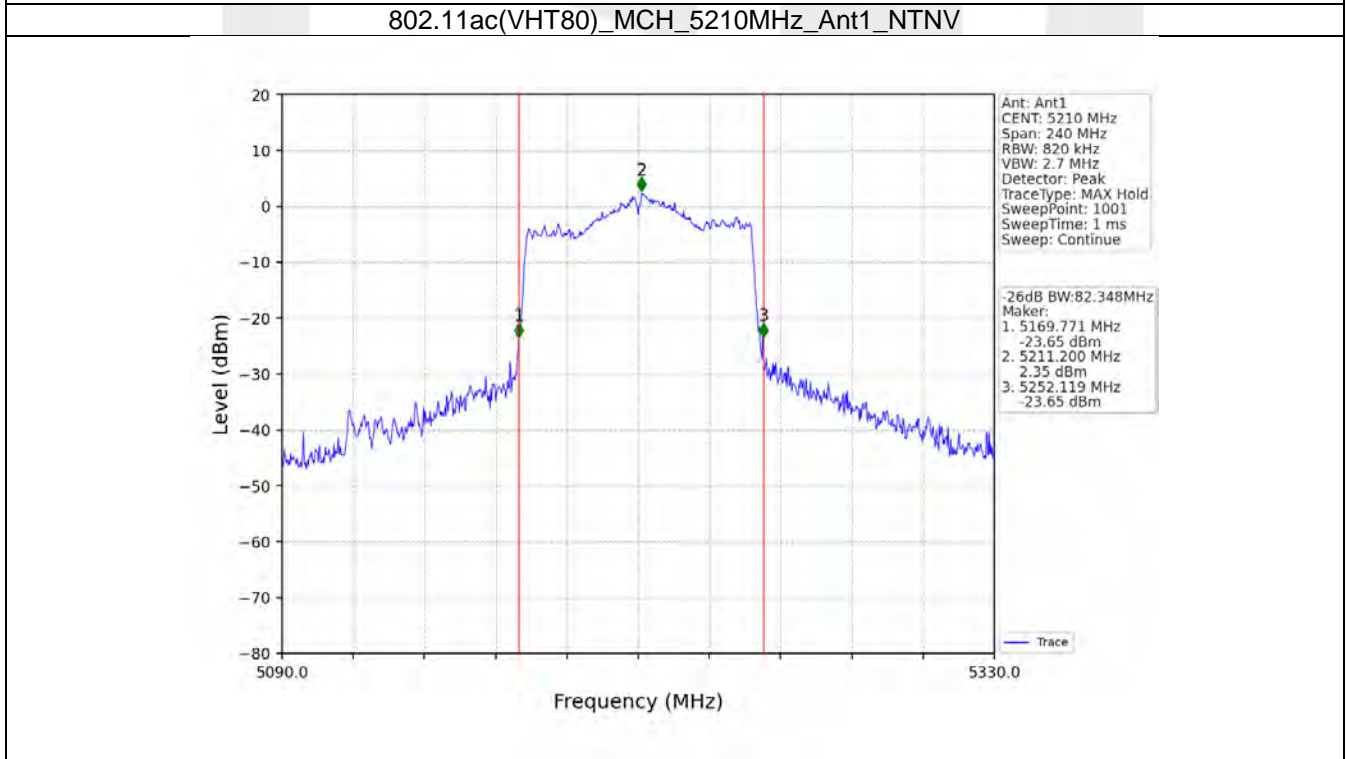
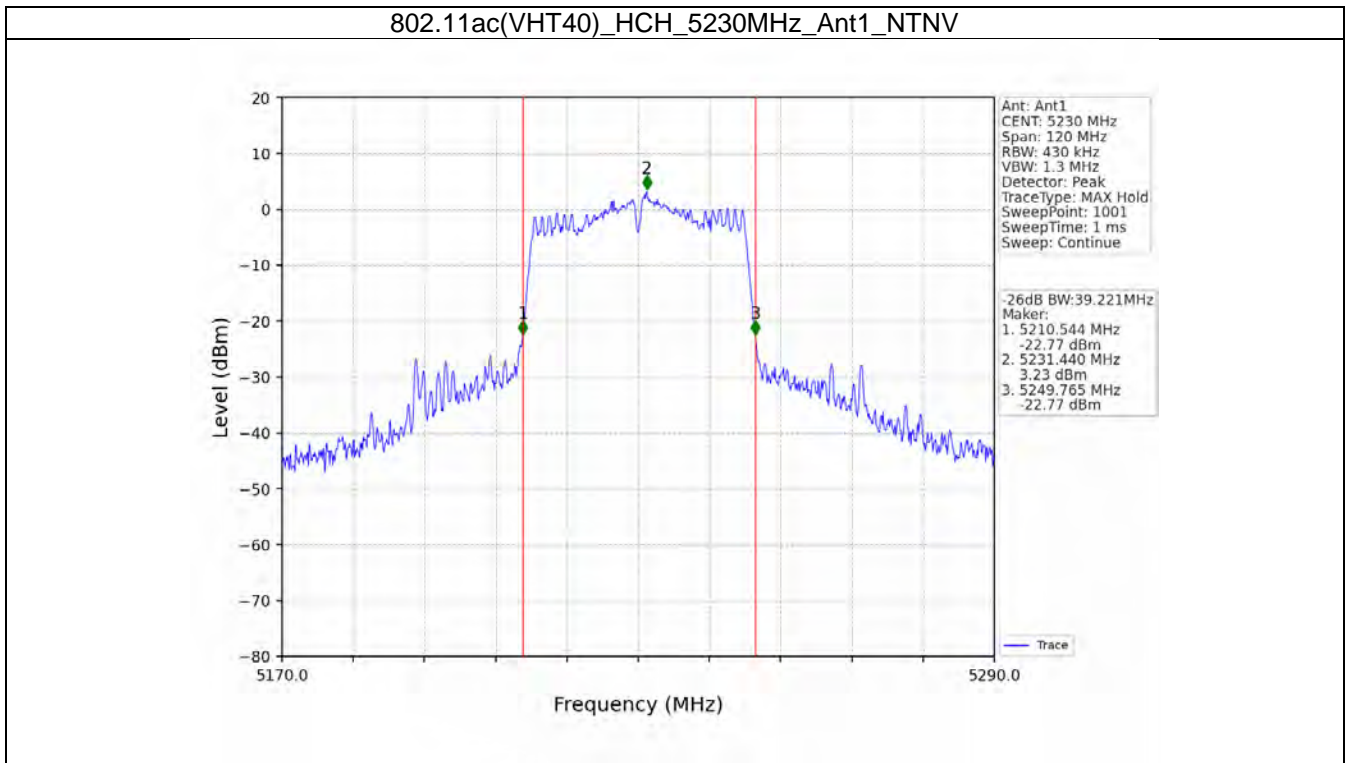


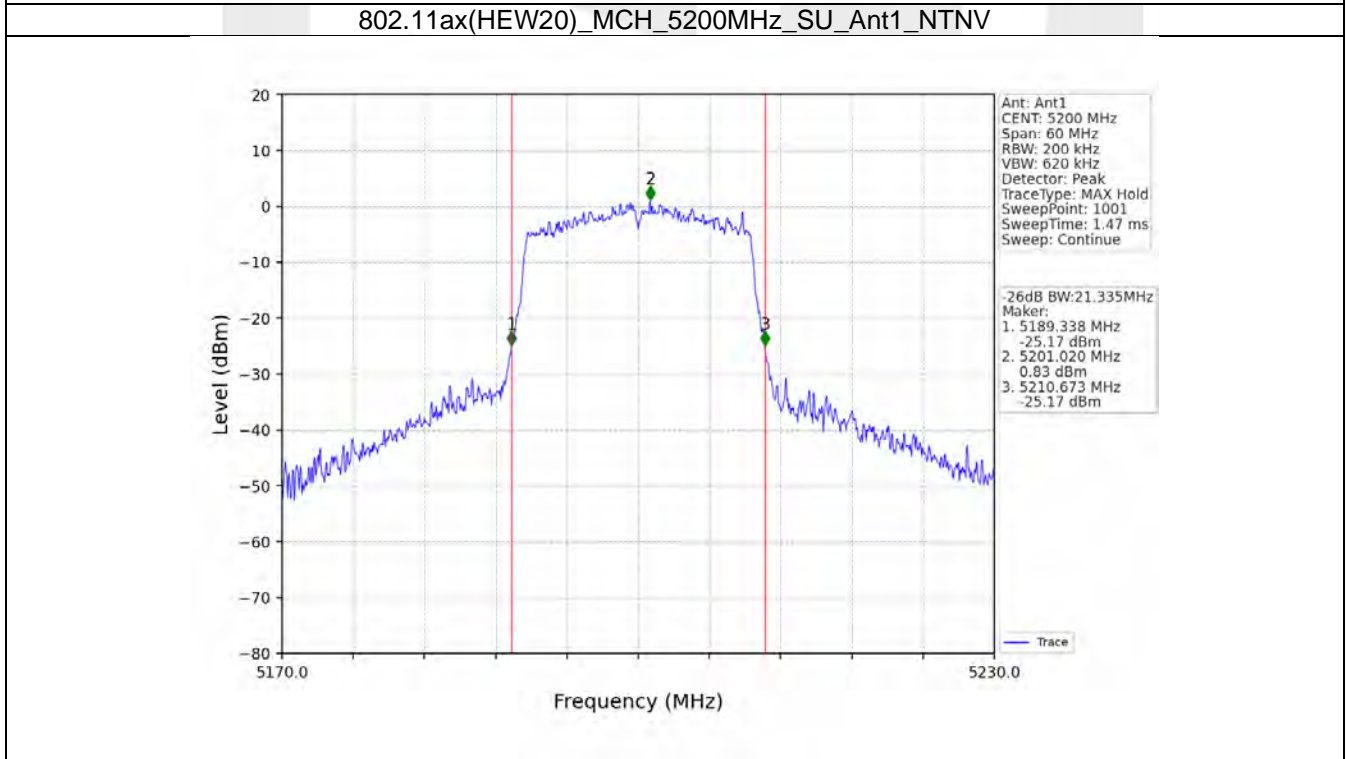
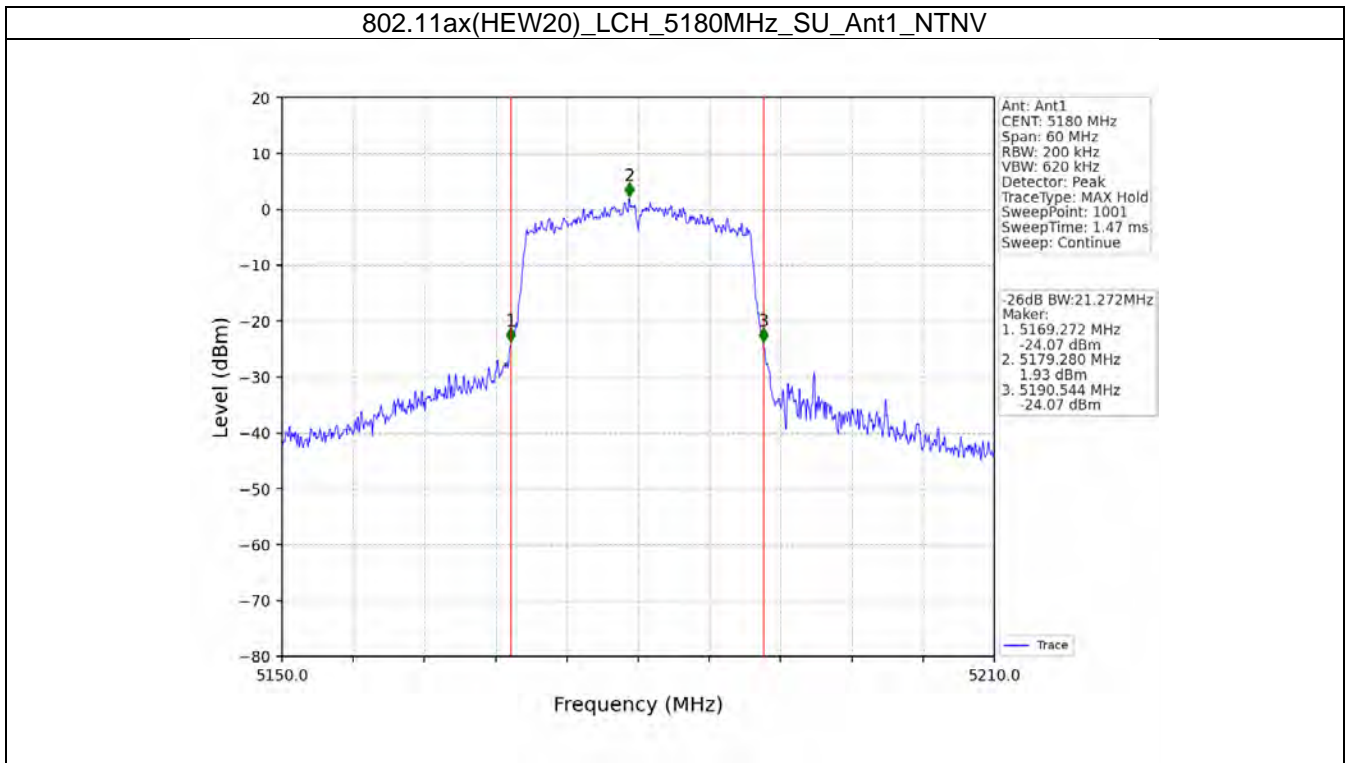
802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV

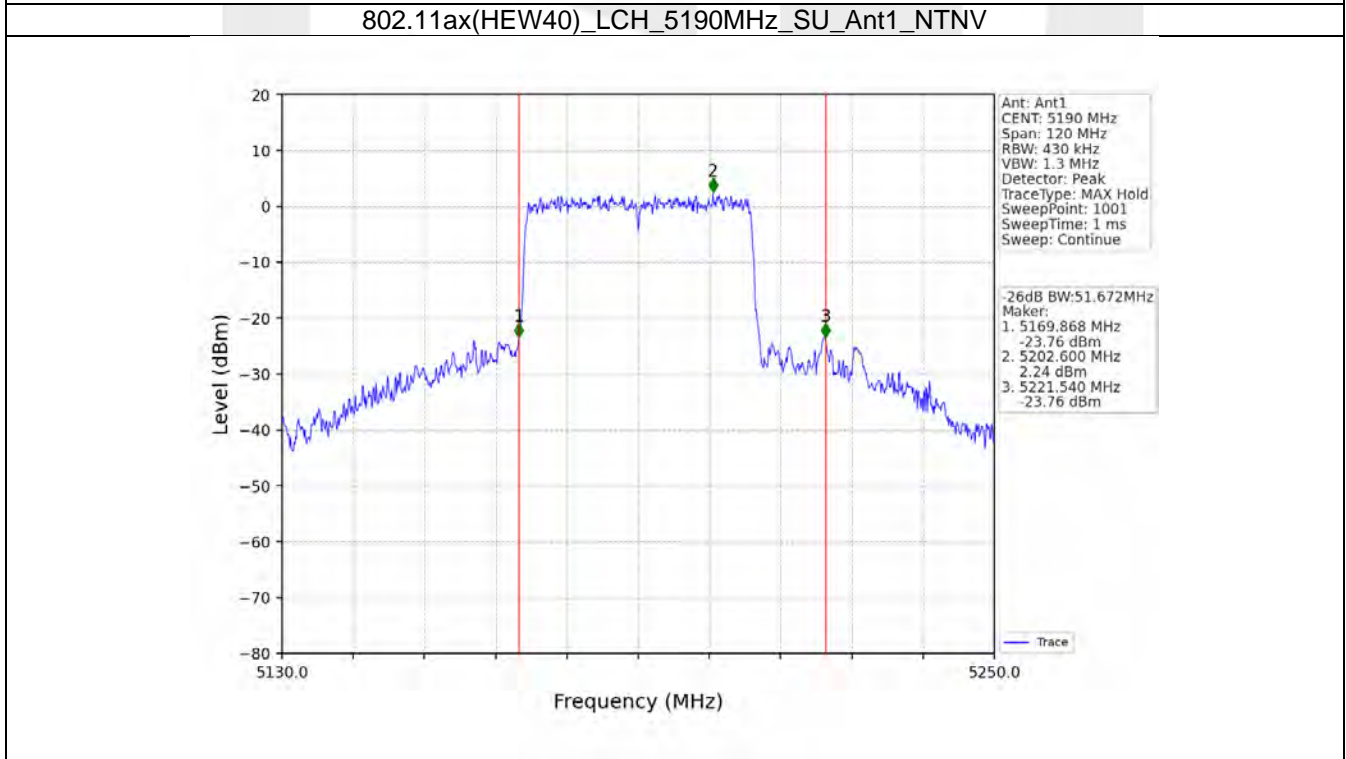
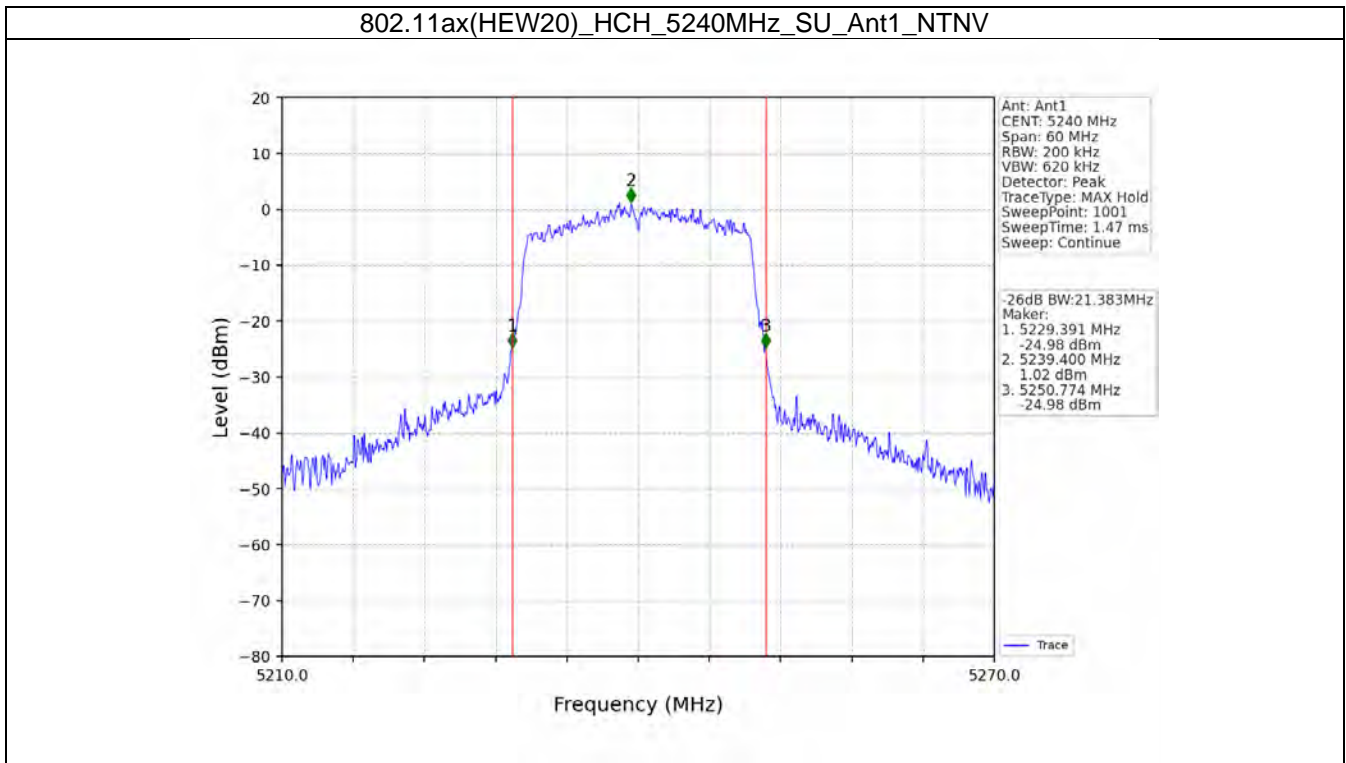


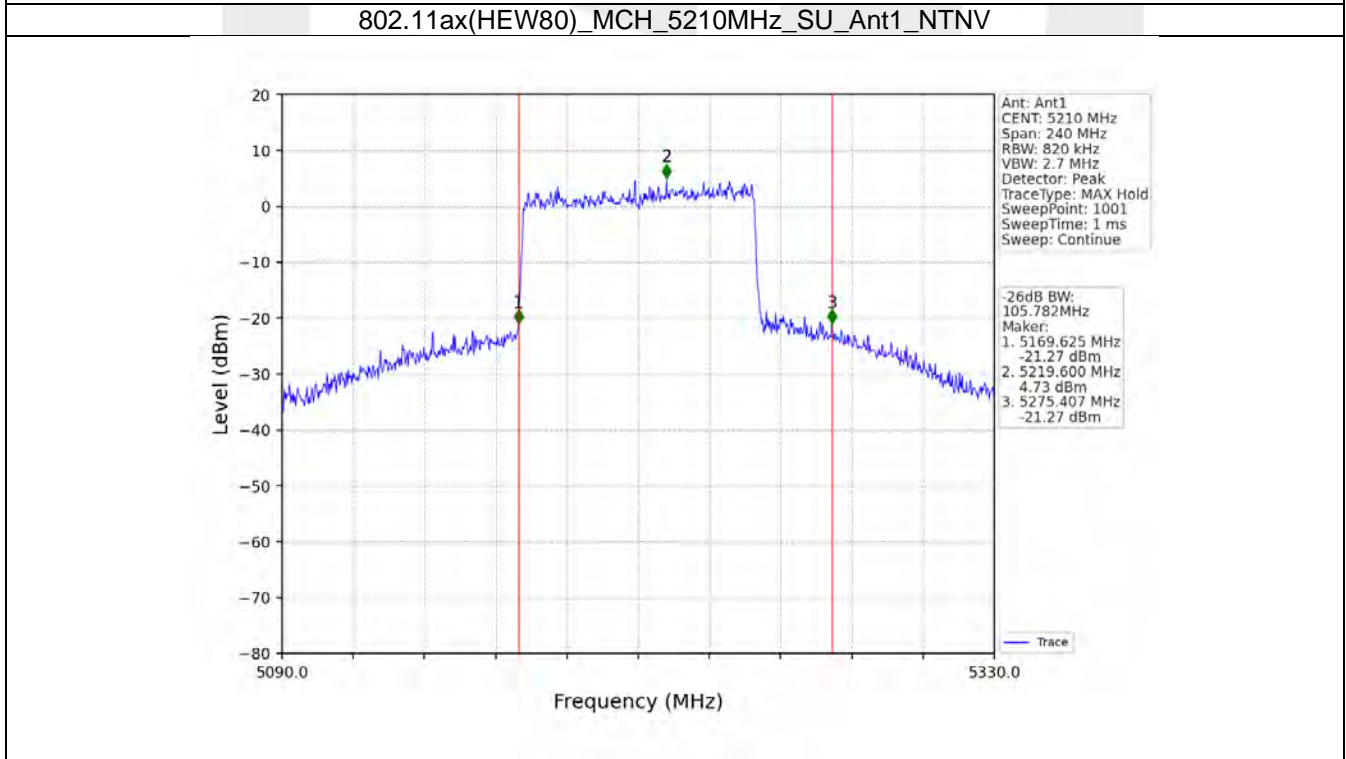
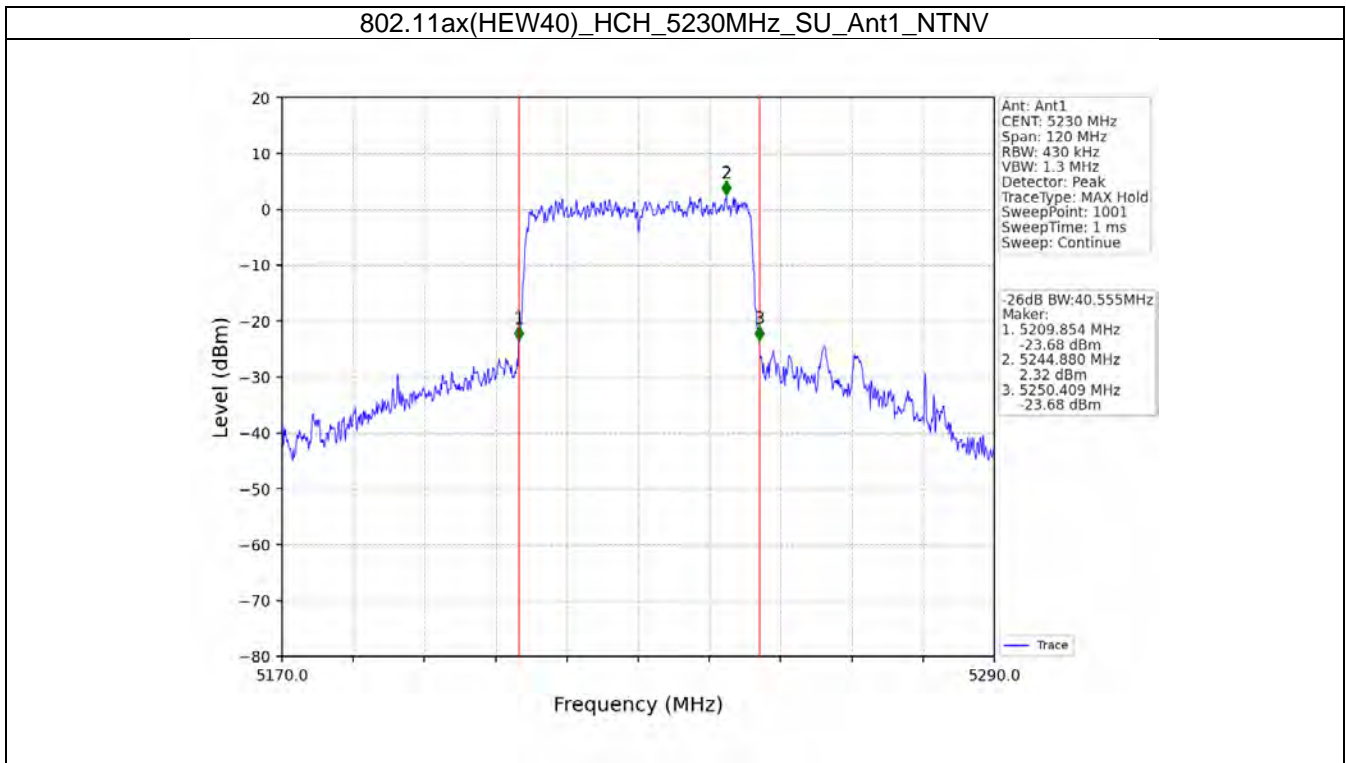














### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)			Verdict
					ANT1	ANT2	Limit	
802.11a	SISO	5180	/	/	7.35	8.21	<=23.98	Pass
		5200	/	/	6.70	7.16	<=23.98	Pass
		5240	/	/	6.77	7.54	<=23.98	Pass
		5745	/	/	10.92	10.81	<=30	Pass
		5785	/	/	11.23	10.97	<=30	Pass
		5825	/	/	11.02	10.63	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	7.19	8.17	<=23.98	Pass
		5200	/	/	6.53	12.03	<=23.98	Pass
		5240	/	/	6.58	12.08	<=23.98	Pass
		5745	/	/	16.02	15.28	<=30	Pass
		5785	/	/	16.45	15.64	<=30	Pass
		5825	/	/	16.06	15.52	<=30	Pass
802.11n (HT40)	SISO	5190	/	/	7.25	7.86	<=23.98	Pass
		5230	/	/	6.74	7.59	<=23.98	Pass
		5755	/	/	11.50	11.27	<=30	Pass
		5795	/	/	11.85	11.49	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	9.49	9.95	<=23.98	Pass
		5200	/	/	8.53	8.96	<=23.98	Pass
		5240	/	/	8.70	9.13	<=23.98	Pass
		5745	/	/	9.67	9.52	<=30	Pass
		5785	/	/	9.84	9.76	<=30	Pass
		5825	/	/	9.74	9.53	<=30	Pass
802.11ac (VHT40)	SISO	5190	/	/	10.61	11.01	<=23.98	Pass
		5230	/	/	10.42	10.92	<=23.98	Pass
		5755	/	/	11.20	11.04	<=30	Pass
		5795	/	/	11.36	11.20	<=30	Pass
802.11ac (VHT80)	SISO	5210	/	/	10.09	10.72	<=23.98	Pass
		5775	/	/	14.07	13.88	<=30	Pass
802.11ax (HEW20)	SISO	5180	SU	/	9.46	10.19	<=23.98	Pass
		5200	SU	/	8.45	9.43	<=23.98	Pass
		5240	SU	/	8.72	9.77	<=23.98	Pass
		5745	SU	/	12.69	12.57	<=30	Pass
		5785	SU	/	13.08	12.77	<=30	Pass
		5825	SU	/	12.89	12.57	<=30	Pass
802.11ax (HEW40)	SISO	5190	SU	/	10.55	11.43	<=23.98	Pass
		5230	SU	/	10.44	11.47	<=23.98	Pass
		5755	SU	/	14.52	14.15	<=30	Pass
		5795	SU	/	14.70	14.34	<=30	Pass
802.11ax (HEW80)	SISO	5210	SU	/	12.70	13.21	<=23.98	Pass
		5775	SU	/	16.25	15.84	<=30	Pass

### 3.2 MIMO Power

#### 3.2.1 Test Result

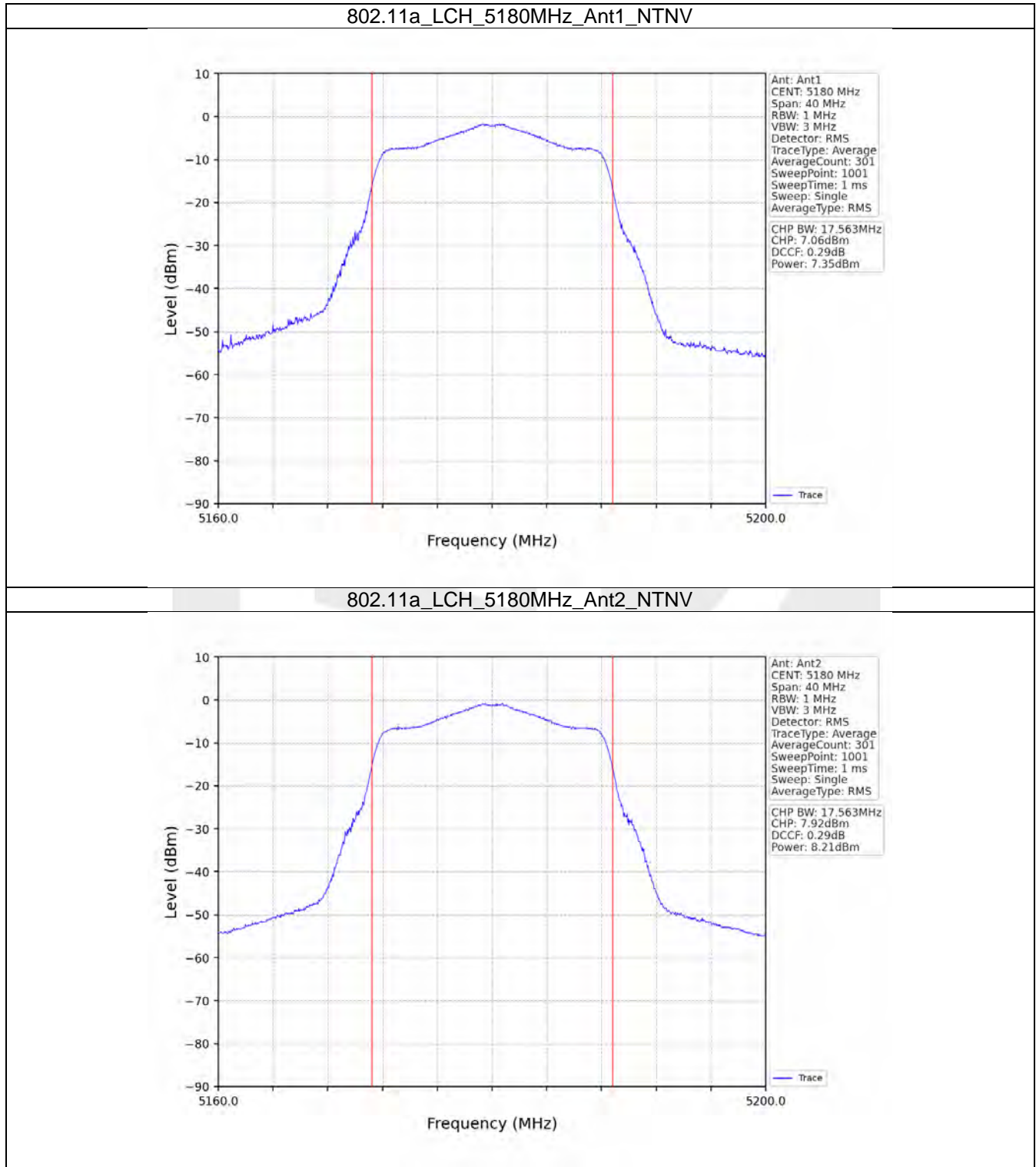
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					MIMO	Limit	
802.11n (HT20)	MIMO	5180	/	/	10.72	<=23.98	Pass
		5200	/	/	13.11	<=23.98	Pass
		5240	/	/	13.16	<=23.98	Pass
		5745	/	/	18.68	<=30	Pass
		5785	/	/	19.07	<=30	Pass
		5825	/	/	18.81	<=30	Pass
802.11n (HT40)	MIMO	5190	/	/	10.58	<=23.98	Pass
		5230	/	/	10.20	<=23.98	Pass
		5755	/	/	14.40	<=30	Pass
		5795	/	/	14.68	<=30	Pass
802.11ac (VHT20)	MIMO	5180	/	/	12.74	<=23.98	Pass
		5200	/	/	11.76	<=23.98	Pass
		5240	/	/	11.93	<=23.98	Pass
		5745	/	/	12.61	<=30	Pass
		5785	/	/	12.81	<=30	Pass
		5825	/	/	12.65	<=30	Pass
802.11ac (VHT40)	MIMO	5190	/	/	13.82	<=23.98	Pass
		5230	/	/	13.69	<=23.98	Pass
		5755	/	/	14.13	<=30	Pass
		5795	/	/	14.29	<=30	Pass
802.11ac (VHT80)	MIMO	5210	/	/	13.43	<=23.98	Pass
		5775	/	/	16.99	<=30	Pass
802.11ax (HEW20)	MIMO	5180	SU	/	12.85	<=23.98	Pass
		5200	SU	/	11.98	<=23.98	Pass
		5240	SU	/	12.29	<=23.98	Pass
		5745	SU	/	15.64	<=30	Pass
		5785	SU	/	15.94	<=30	Pass
		5825	SU	/	15.74	<=30	Pass
802.11ax (HEW40)	MIMO	5190	SU	/	14.02	<=23.98	Pass
		5230	SU	/	14.00	<=23.98	Pass
		5755	SU	/	17.35	<=30	Pass
		5795	SU	/	17.53	<=30	Pass
802.11ax (HEW80)	MIMO	5210	SU	/	15.97	<=23.98	Pass
		5775	SU	/	19.06	<=30	Pass

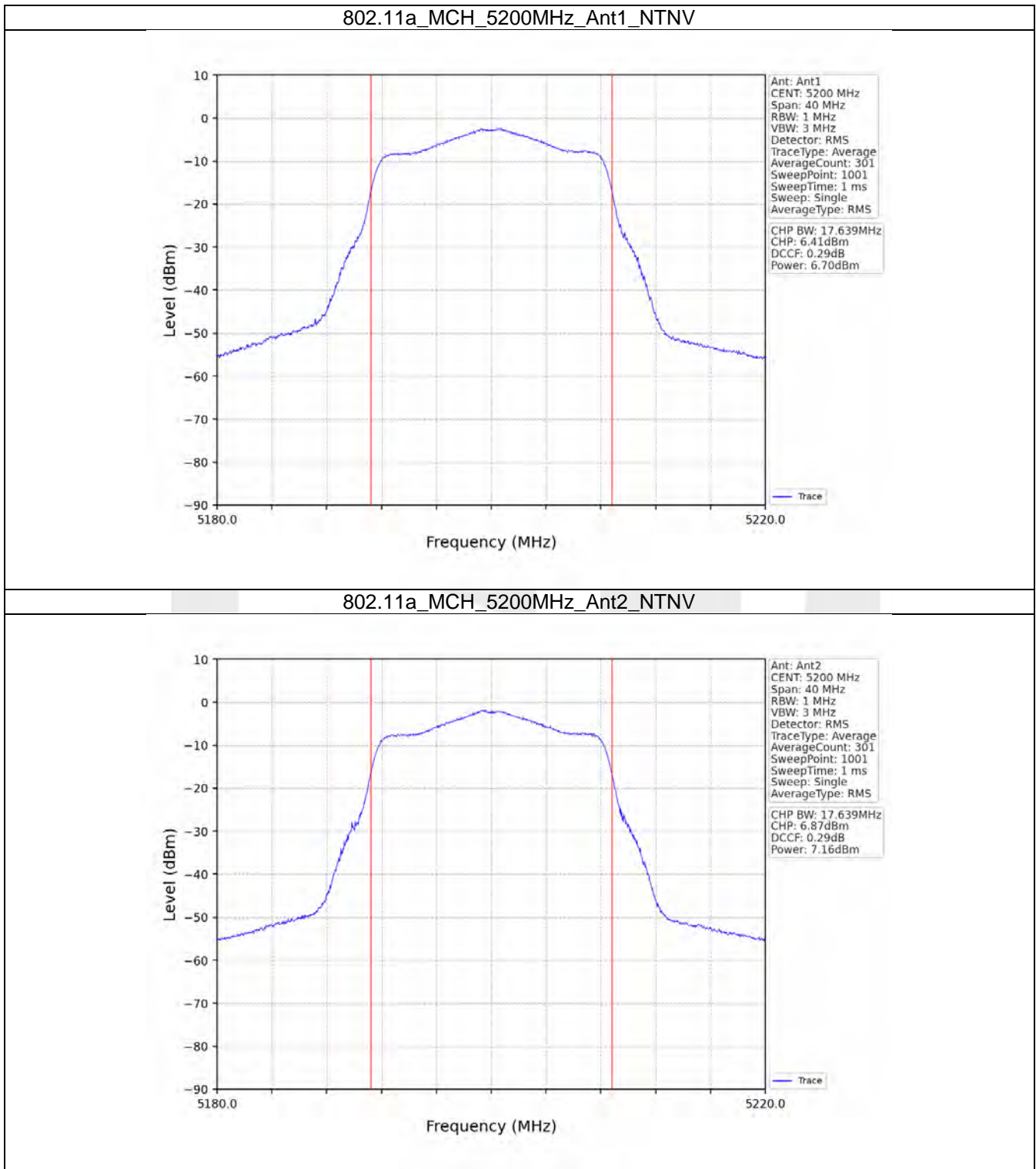
Note1: U-NII-1 Antenna Gain: Ant1: 2.94dBi; Ant2: 2.86dBi, Correlated antenna gain=5.87dBi.

Note2: U-NII-3 Antenna Gain: Ant1: 2.77dBi; Ant2: 2.95dBi, Correlated antenna gain=5.92dBi.

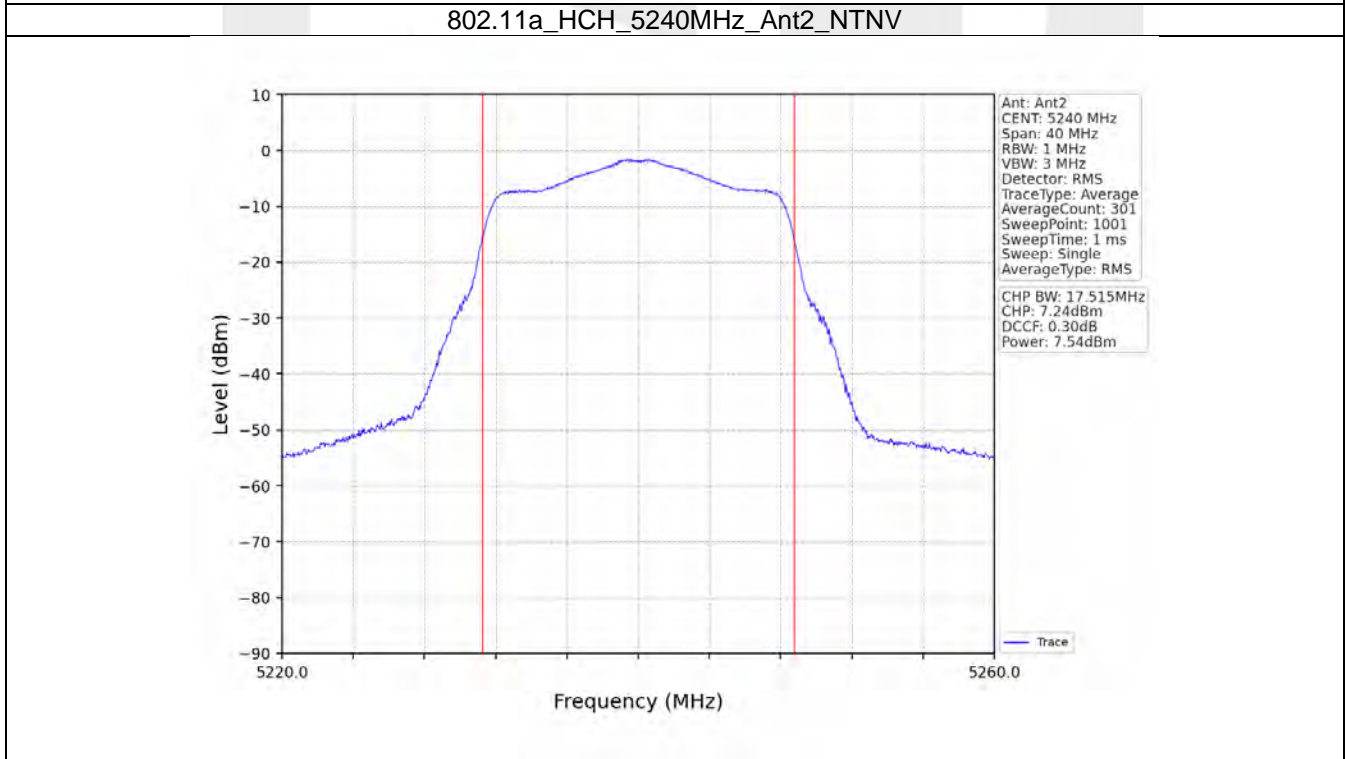
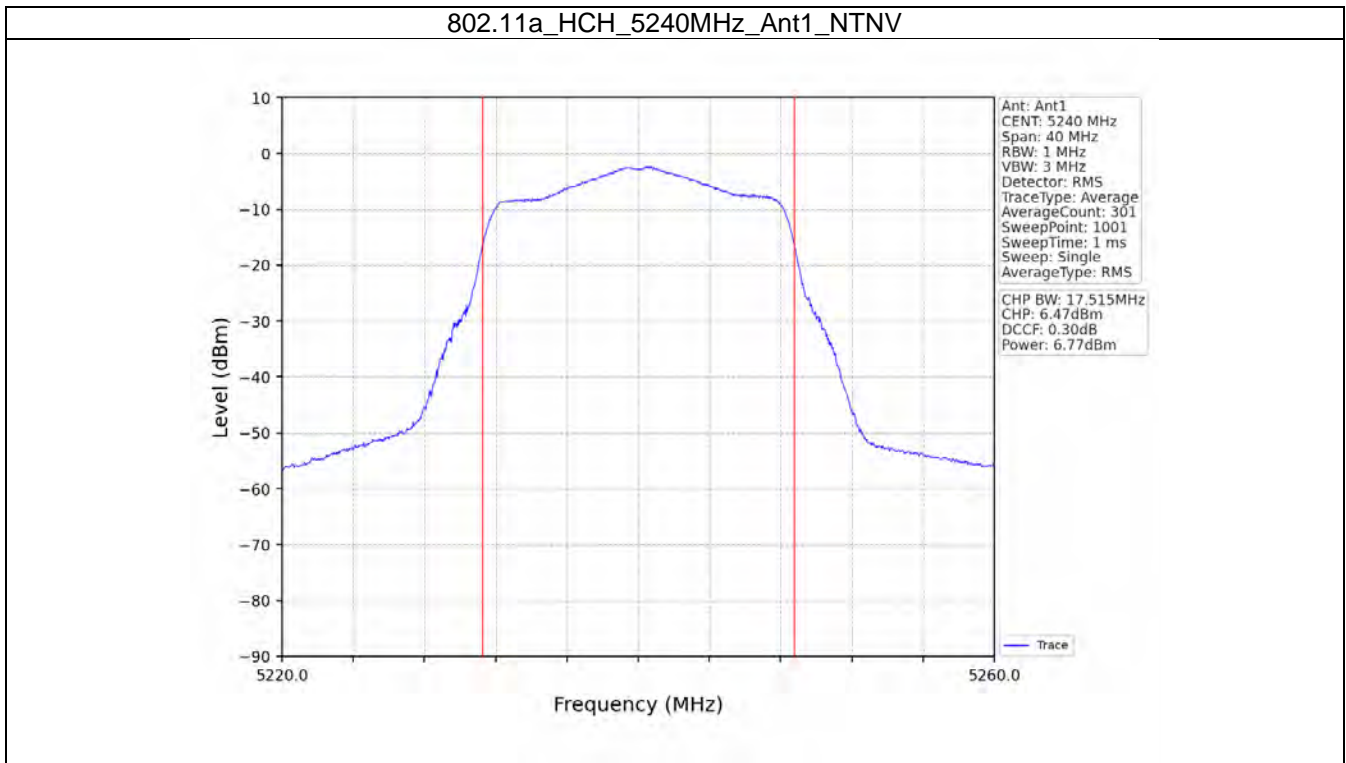
### 3.2 Test Graph

#### 3.2.1 Power

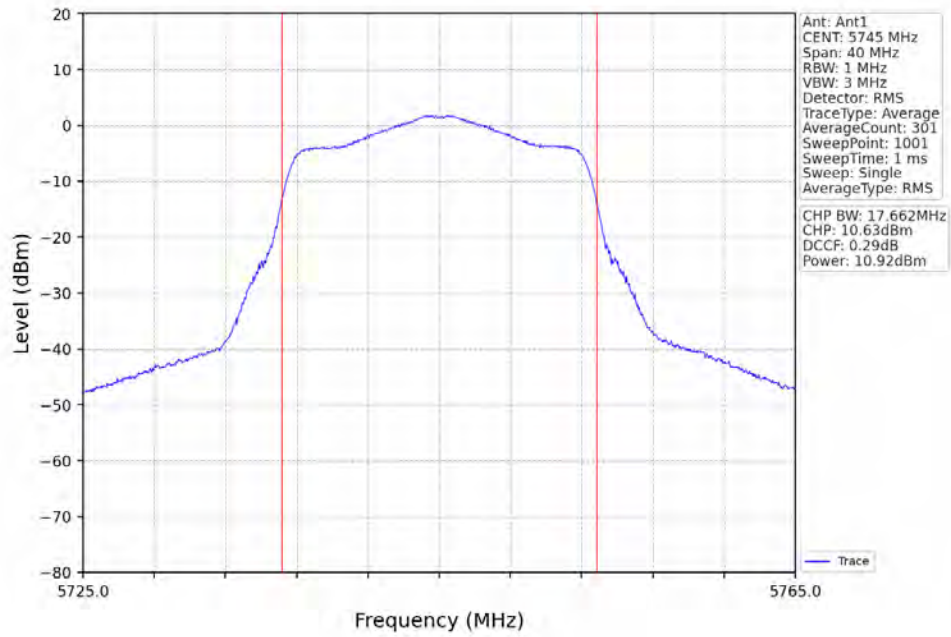




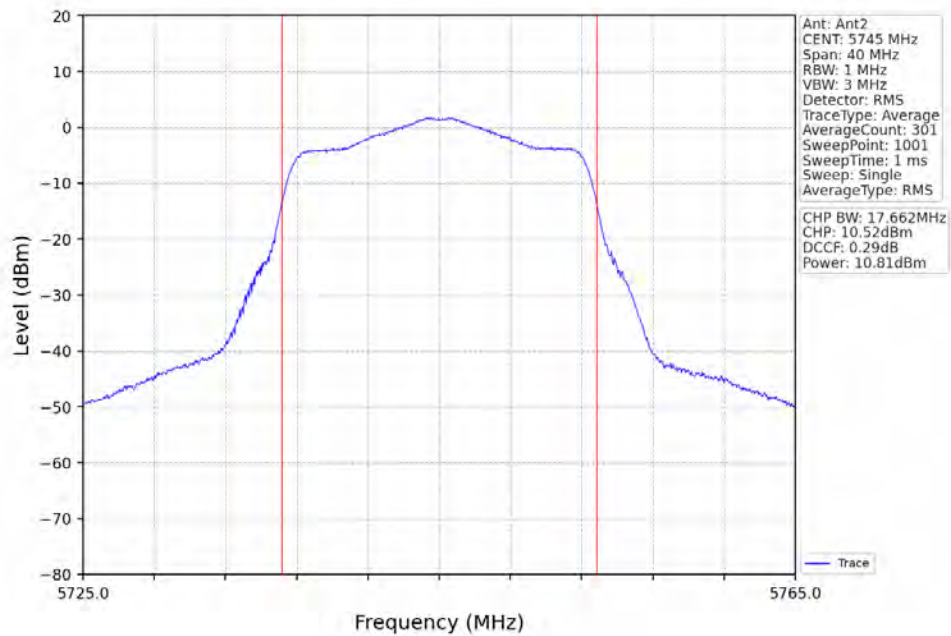




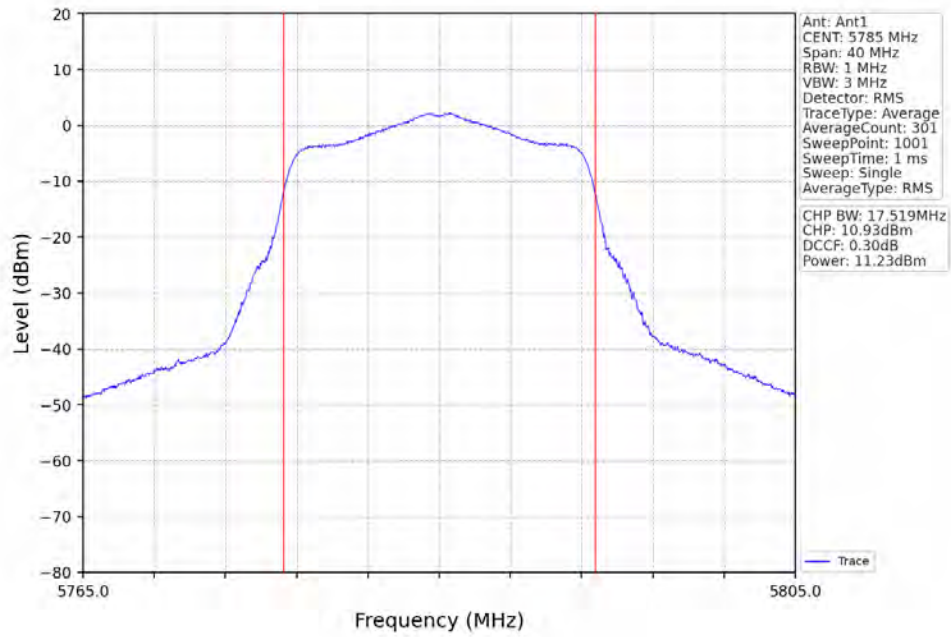
802.11a\_LCH\_5745MHz\_Ant1\_NTNV



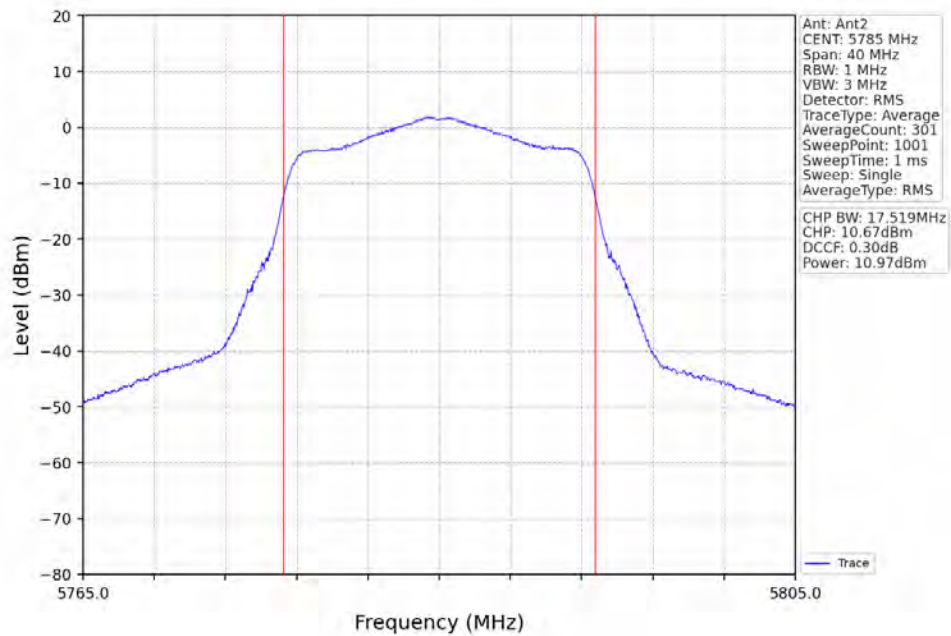
802.11a\_LCH\_5745MHz\_Ant2\_NTNV

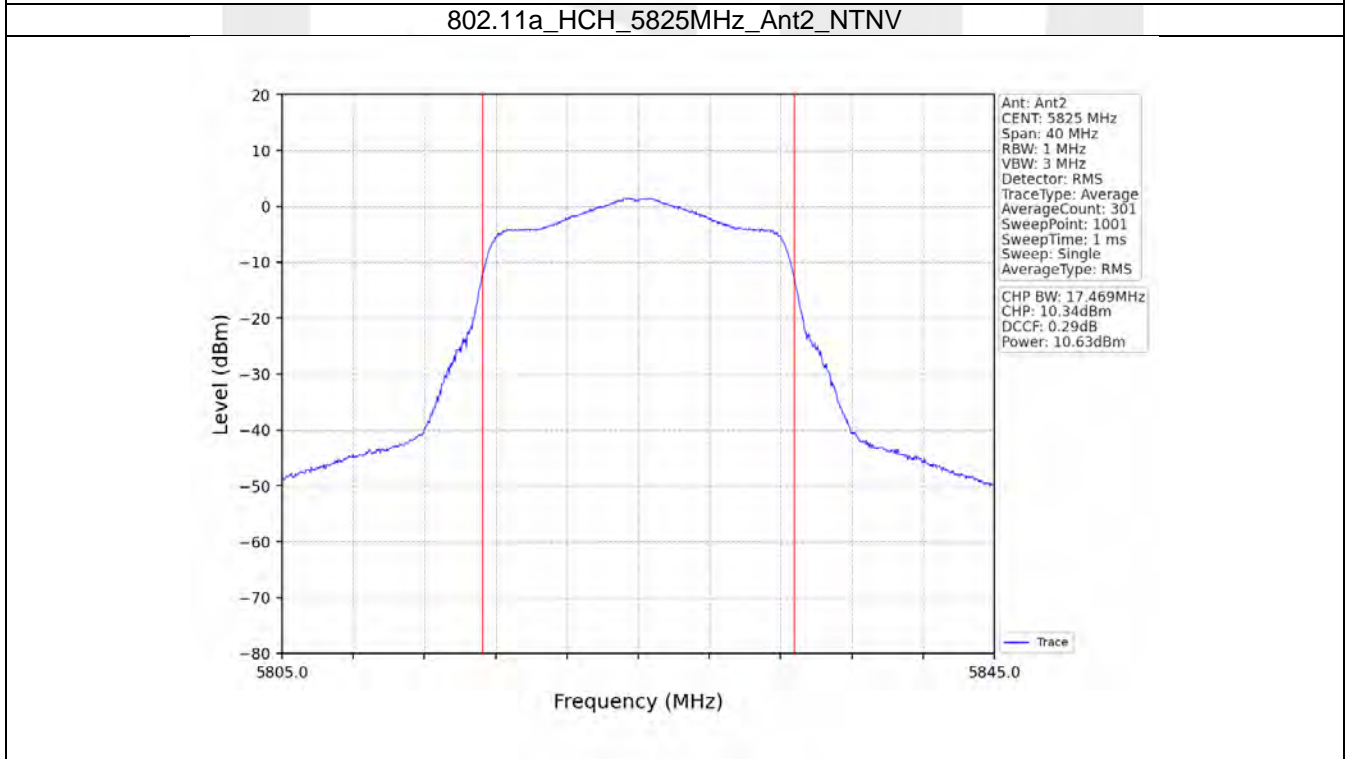
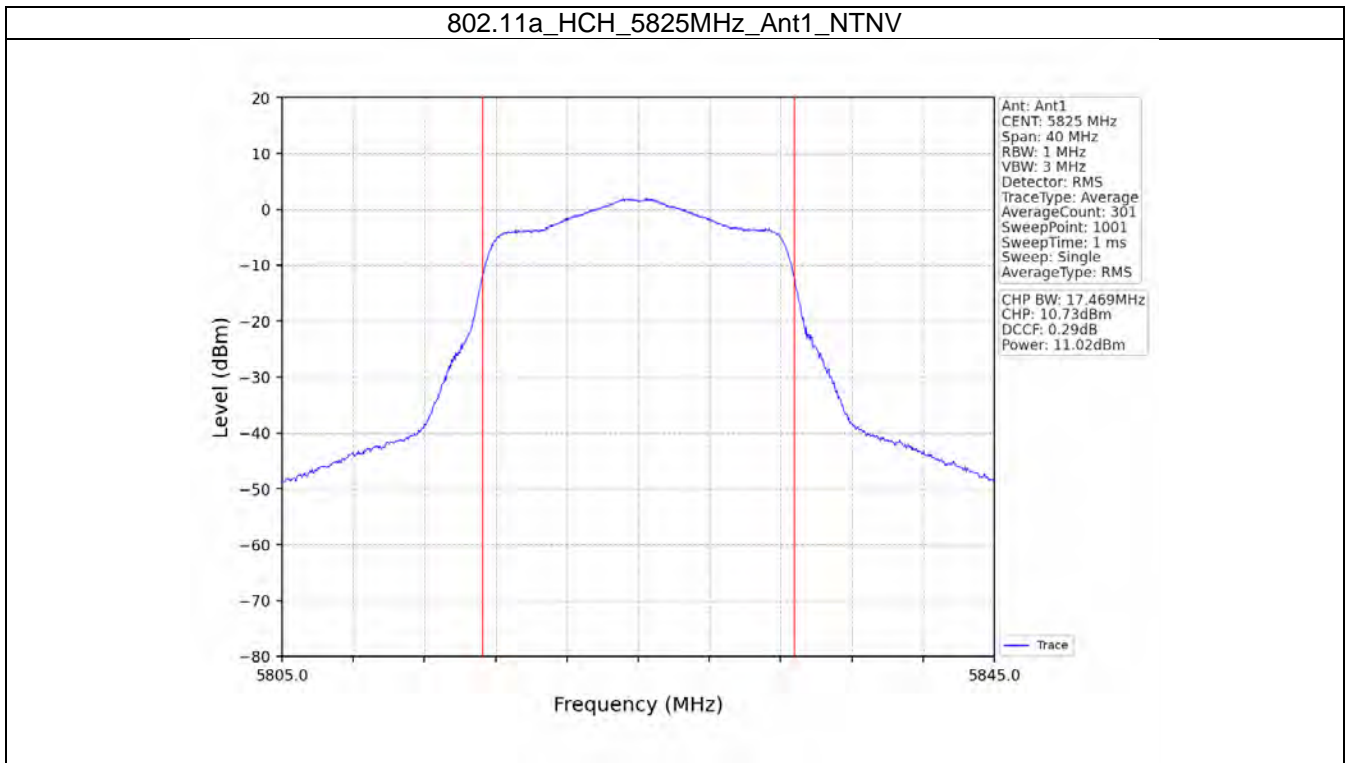


802.11a\_MCH\_5785MHz\_Ant1\_NTNV

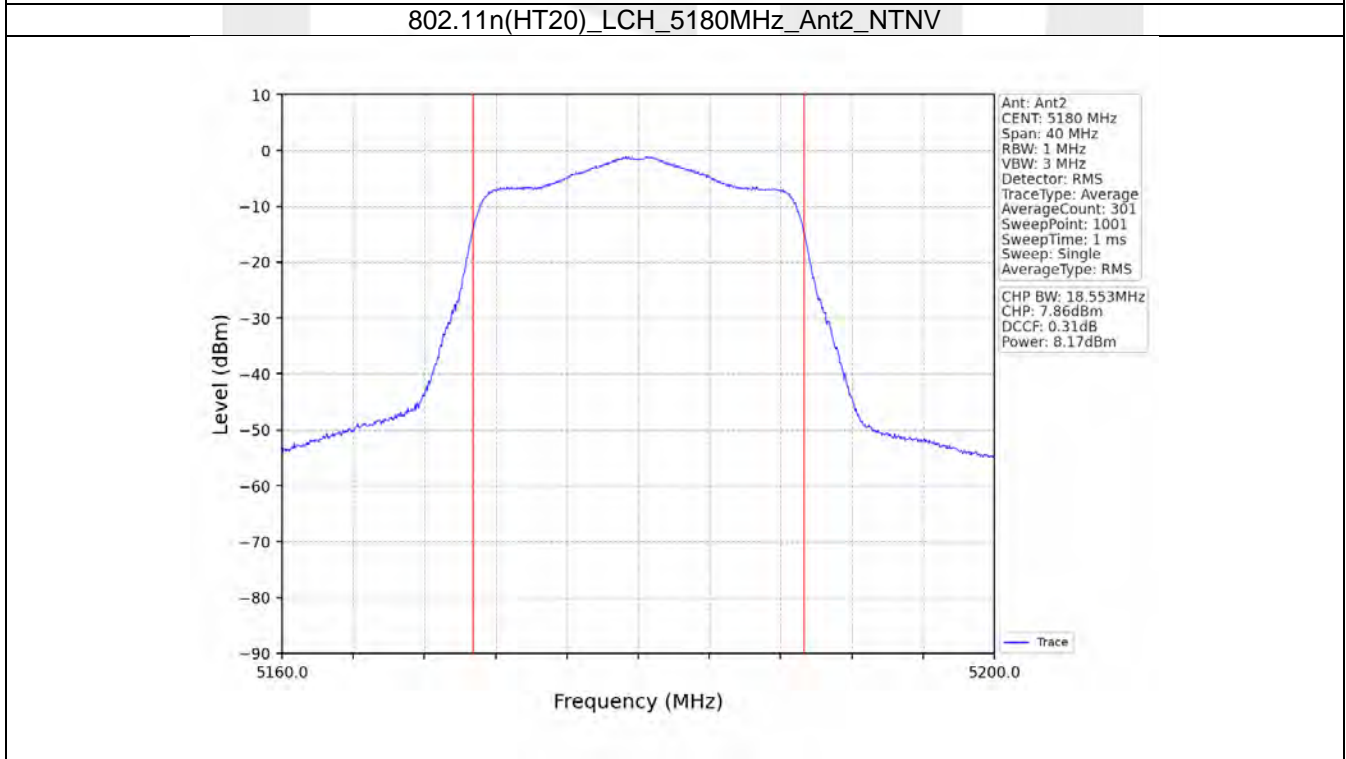
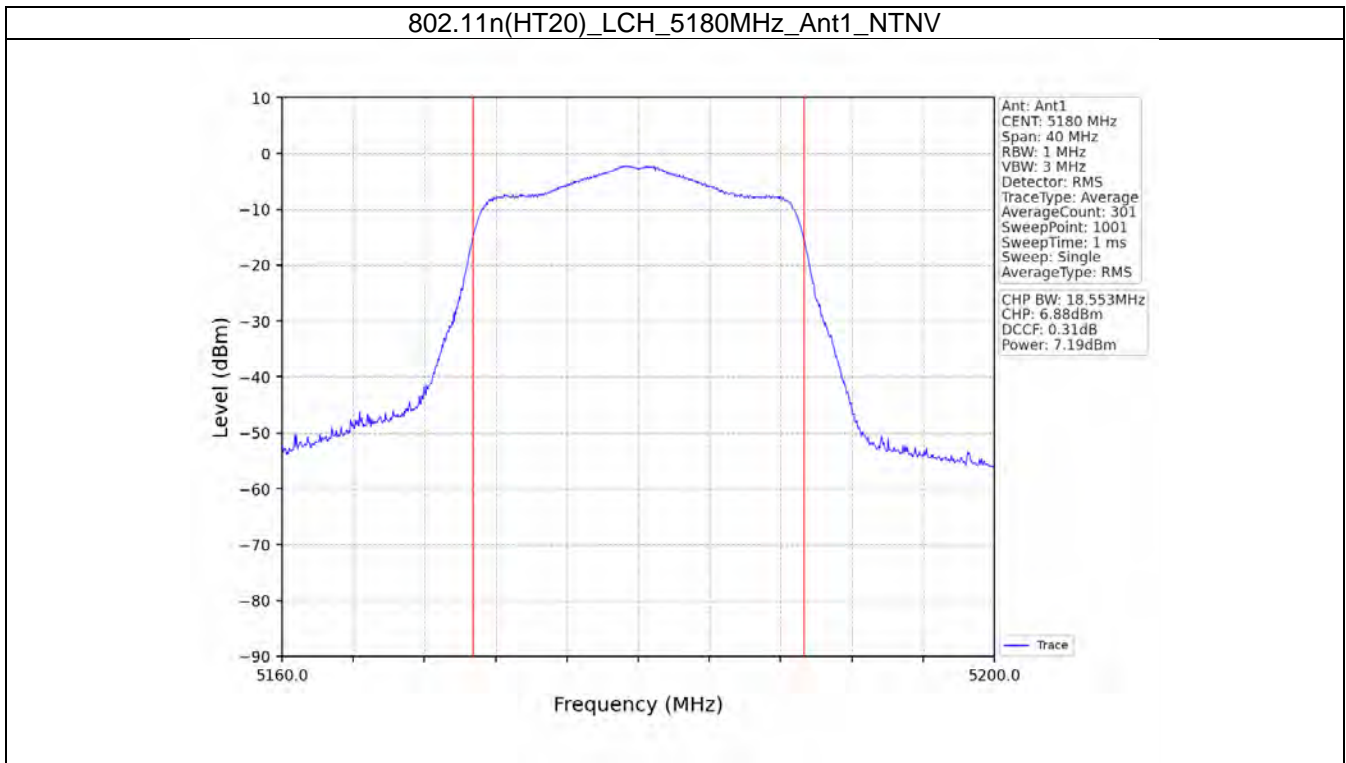


802.11a\_MCH\_5785MHz\_Ant2\_NTNV

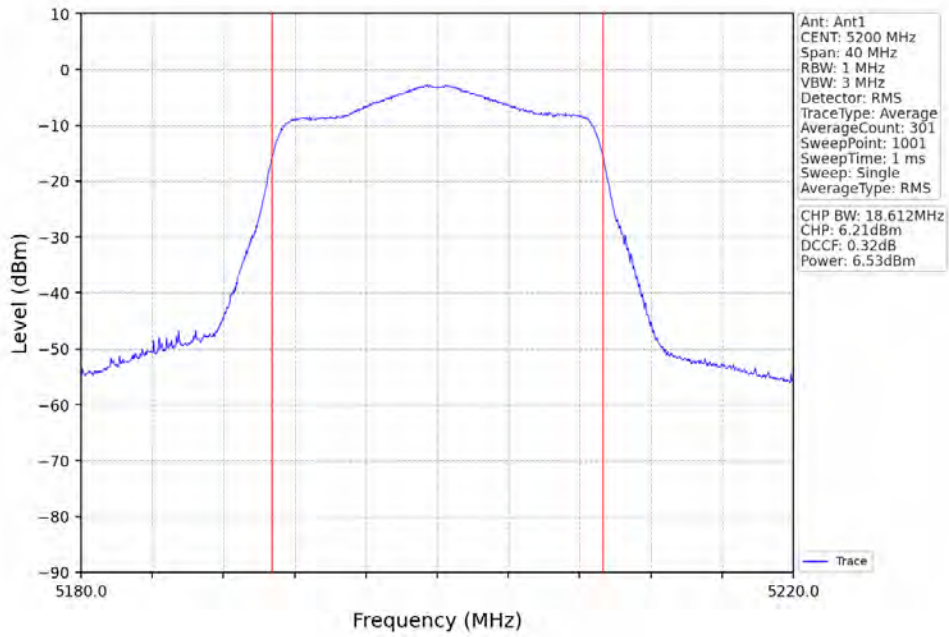




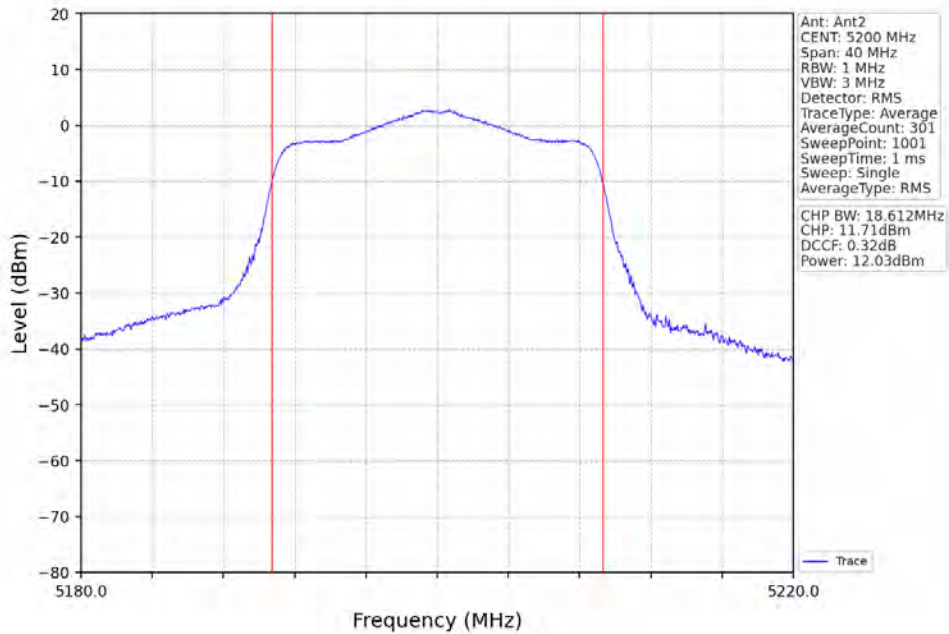




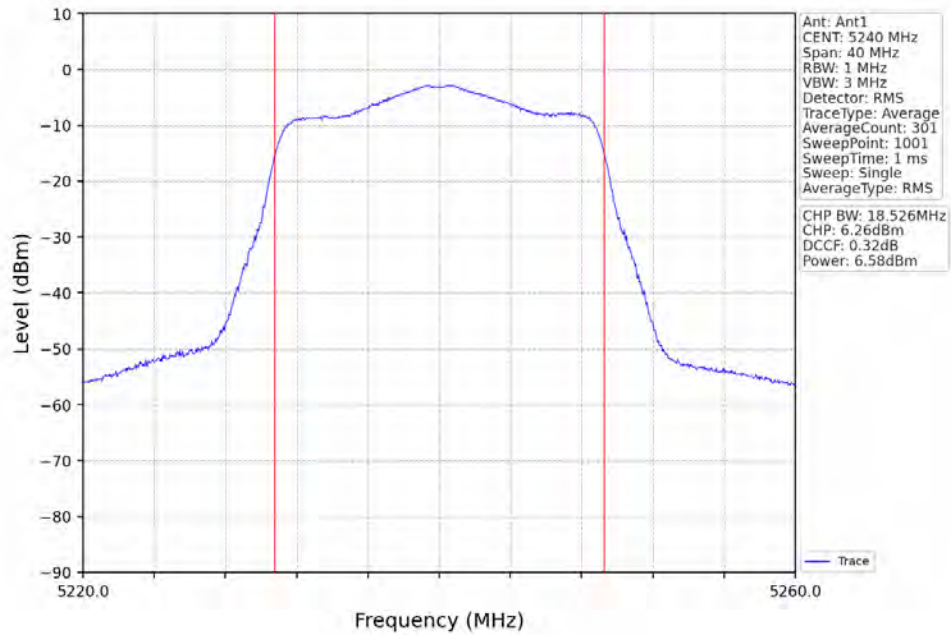
802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV



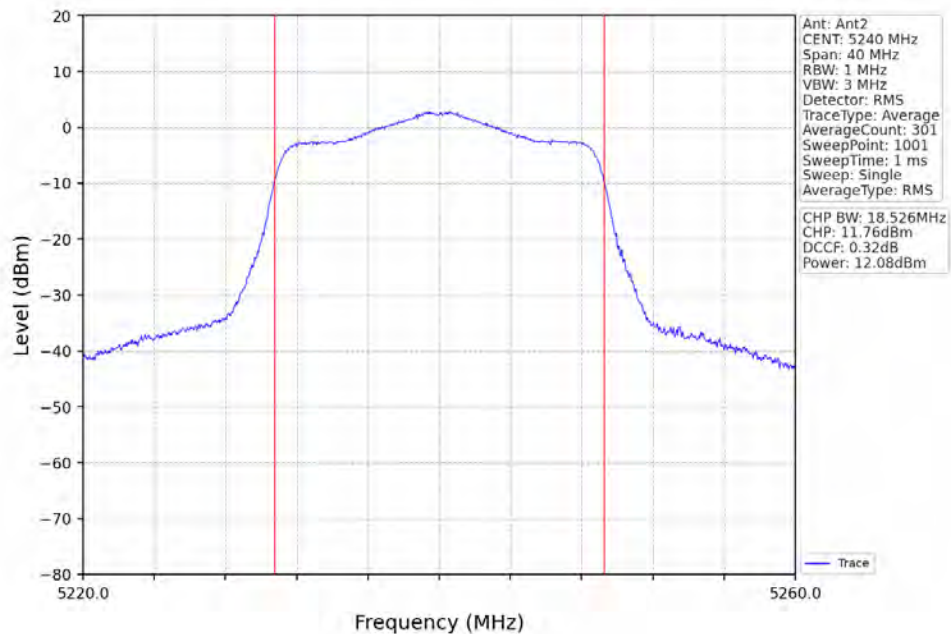
802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV



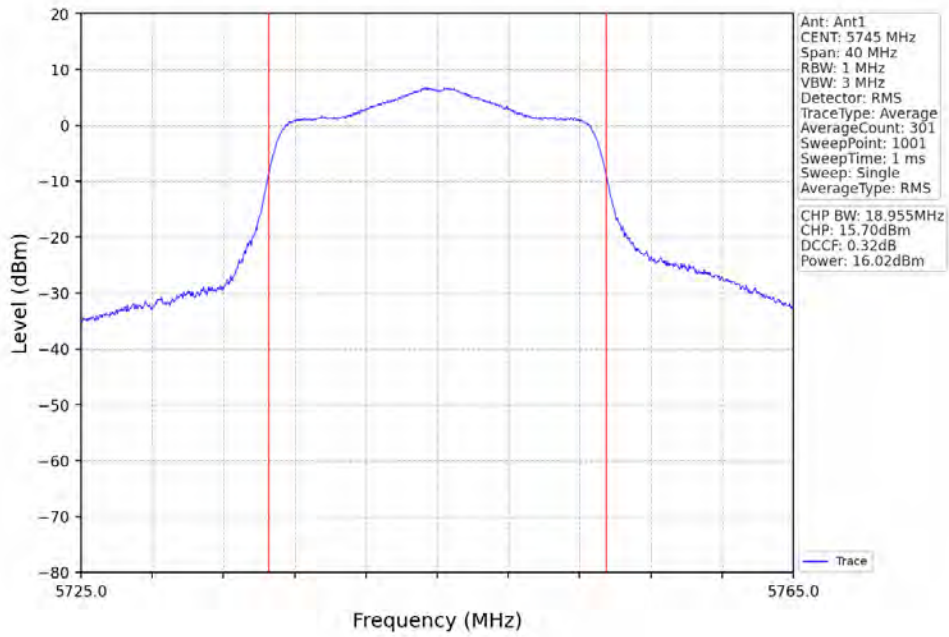
802.11n(HT20)\_HCH\_5240MHz\_Ant1\_NTNV



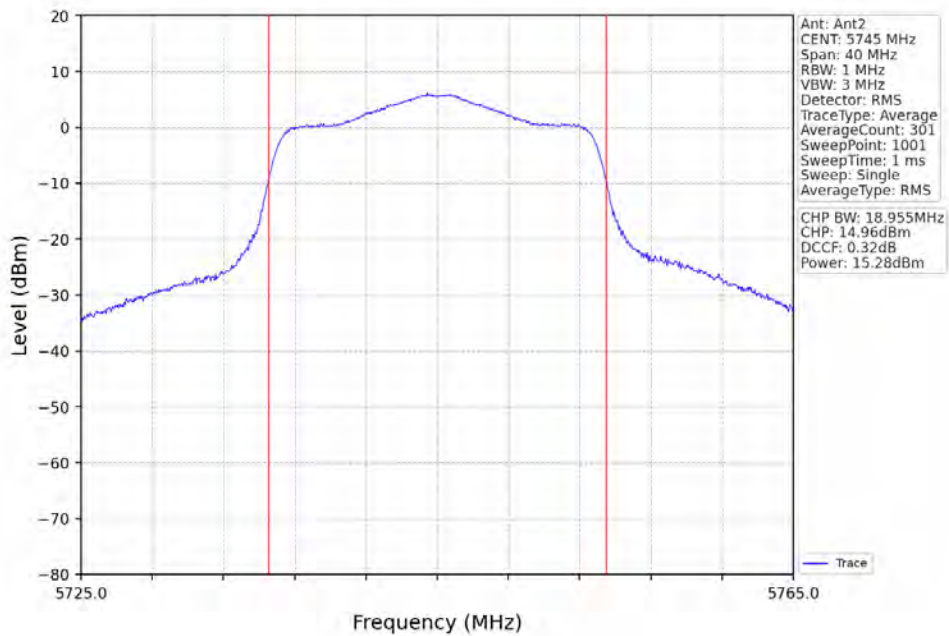
802.11n(HT20)\_HCH\_5240MHz\_Ant2\_NTNV



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

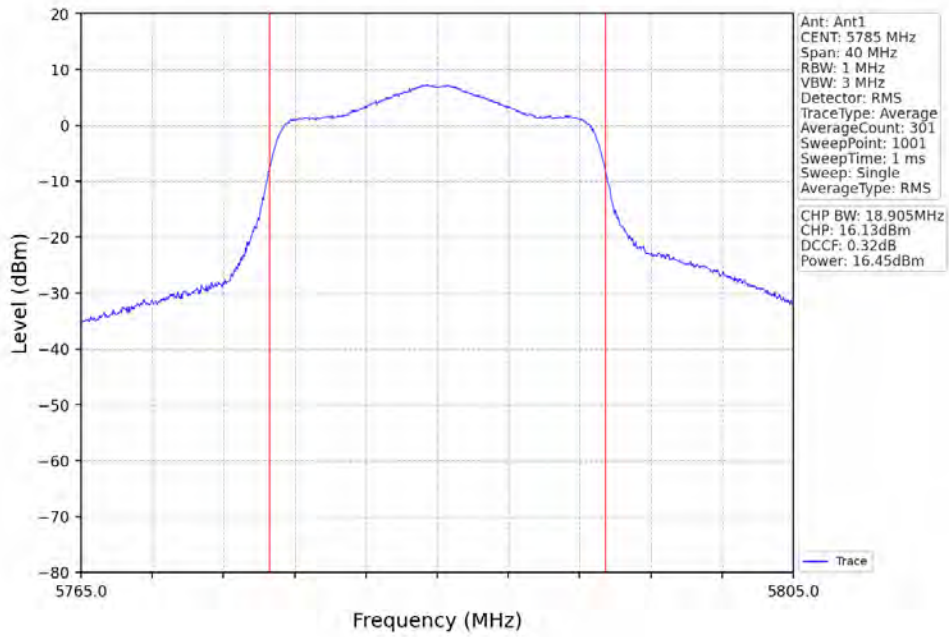


802.11n(HT20)\_LCH\_5745MHz\_Ant2\_NTNV

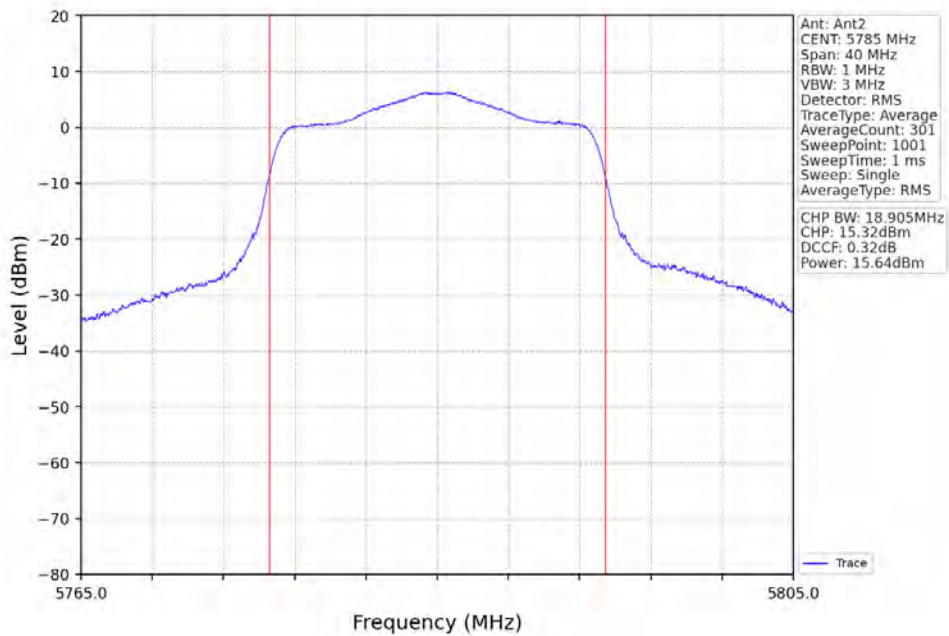


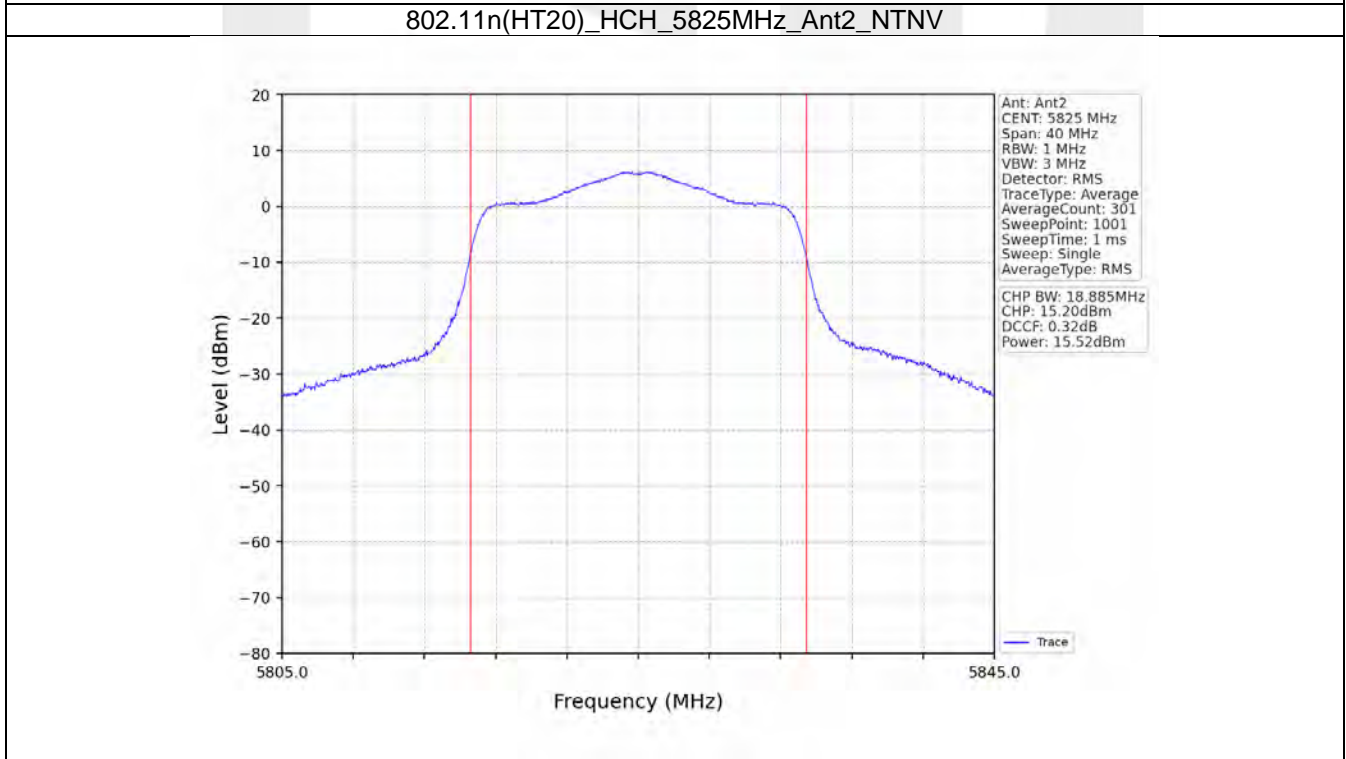
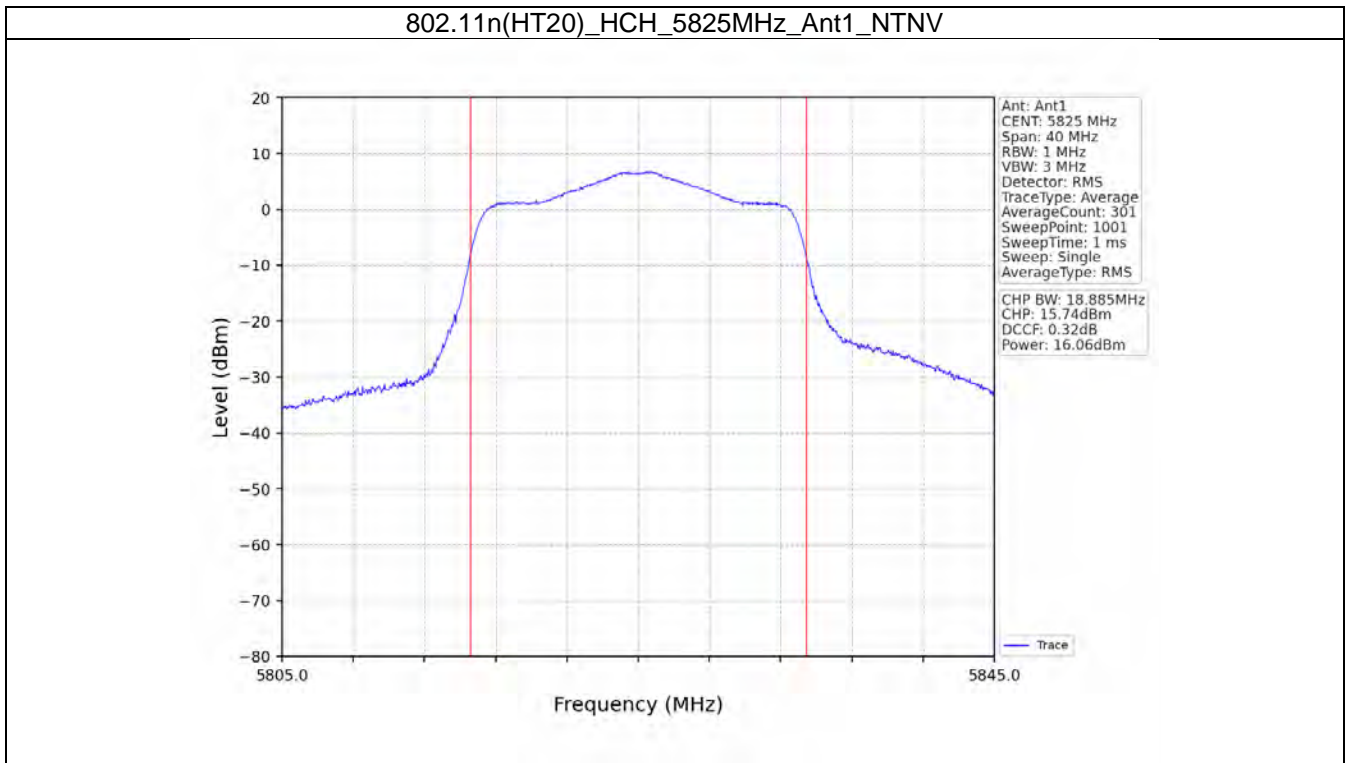


802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV

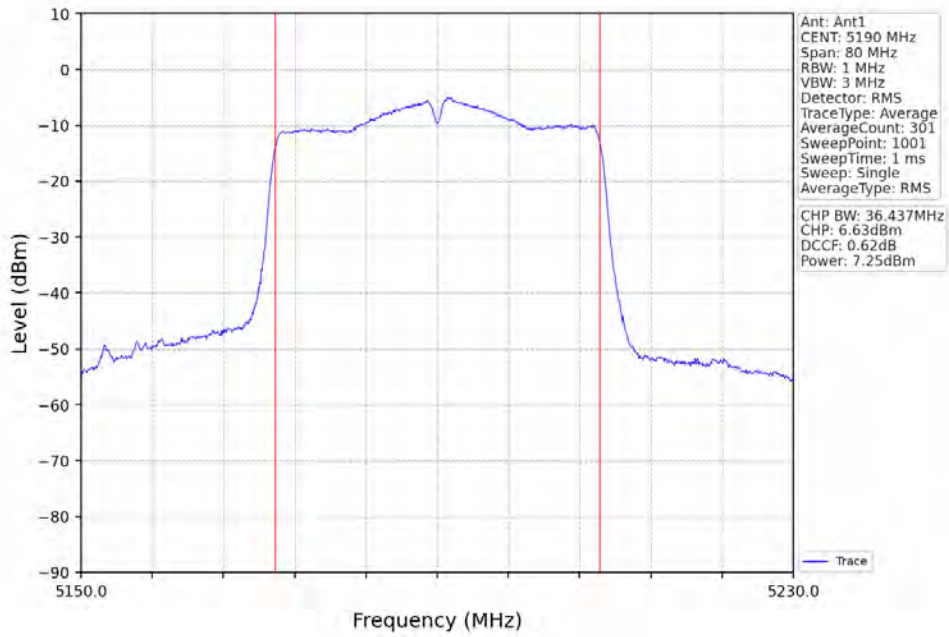


802.11n(HT20)\_MCH\_5785MHz\_Ant2\_NTNV

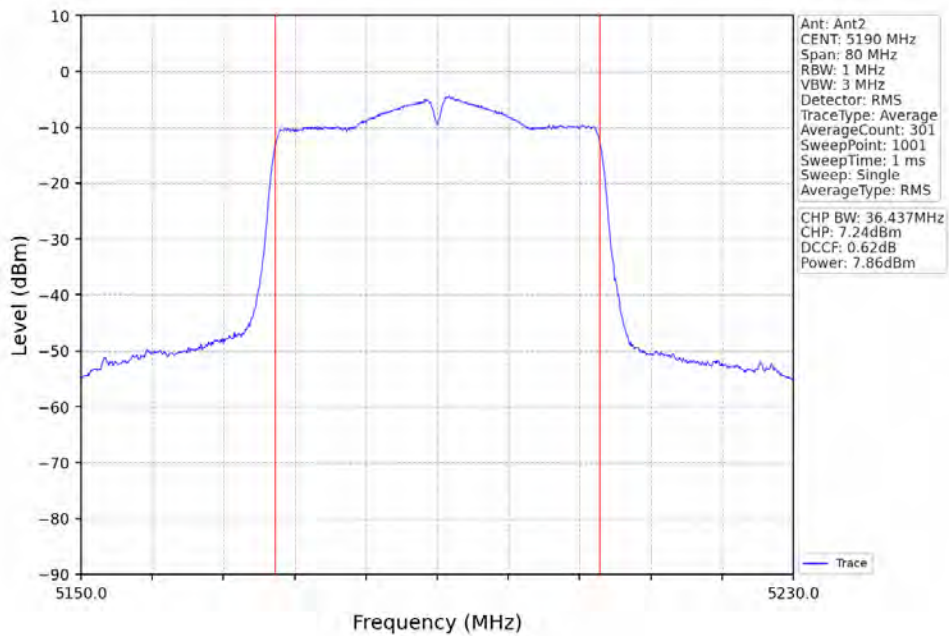




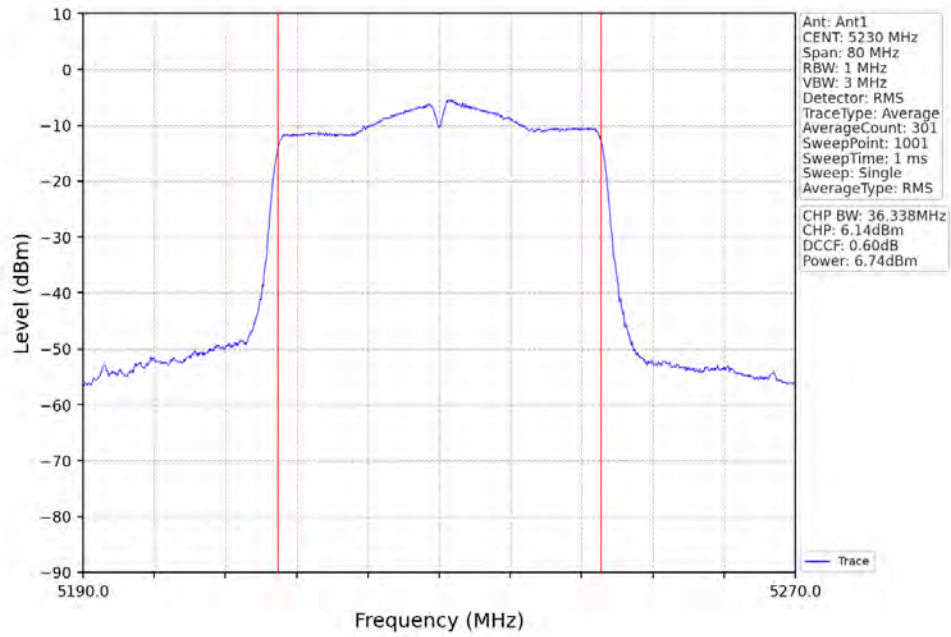
802.11n(HT40)\_LCH\_5190MHz\_Ant1\_NTNV



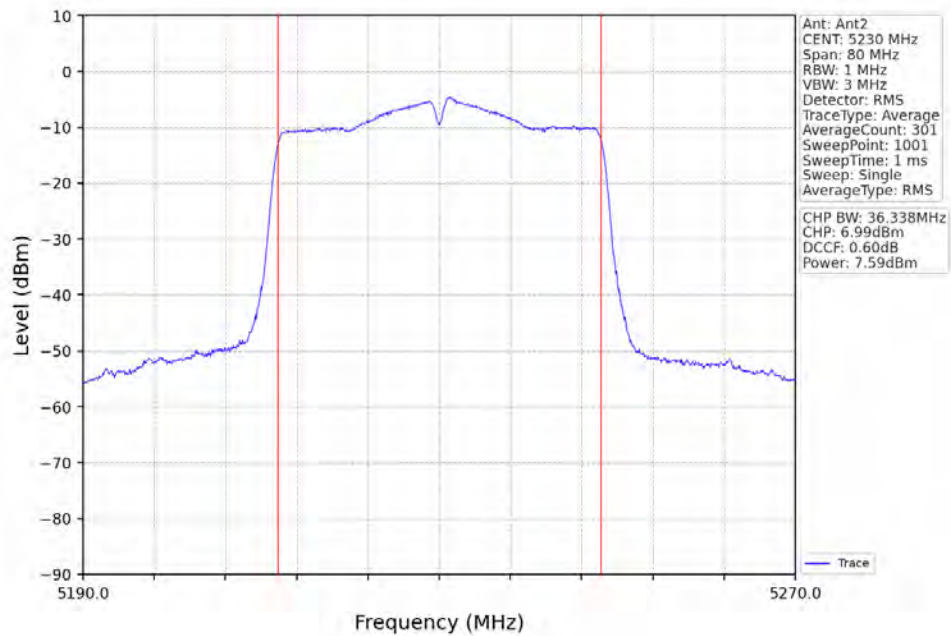
802.11n(HT40)\_LCH\_5190MHz\_Ant2\_NTNV



802.11n(HT40)\_HCH\_5230MHz\_Ant1\_NTNV

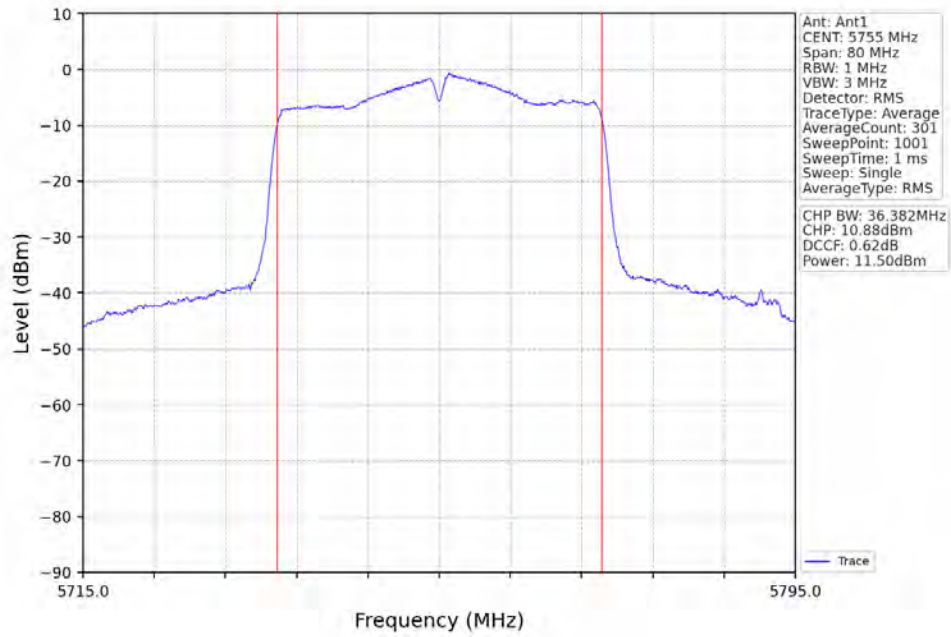


802.11n(HT40)\_HCH\_5230MHz\_Ant2\_NTNV

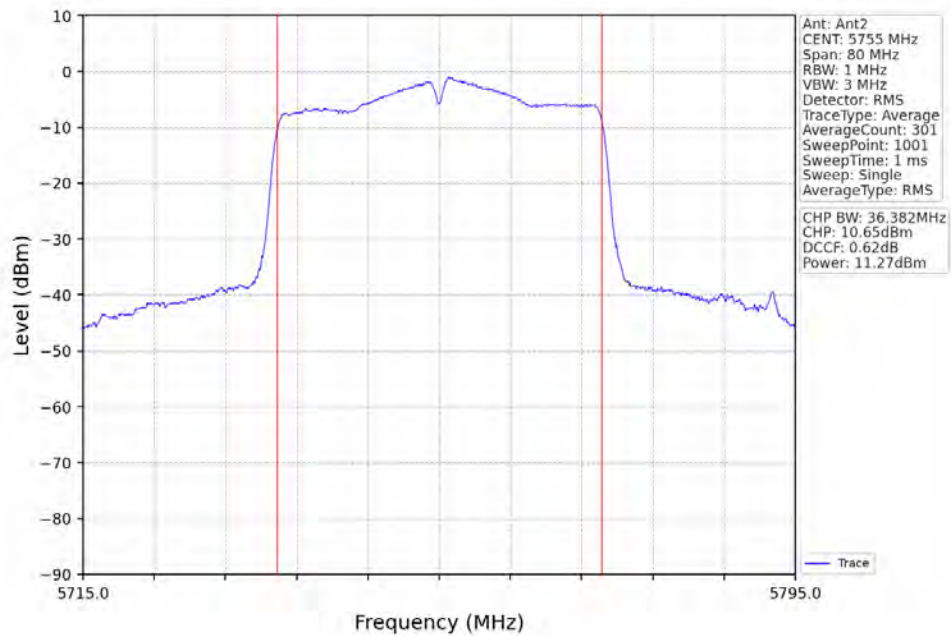




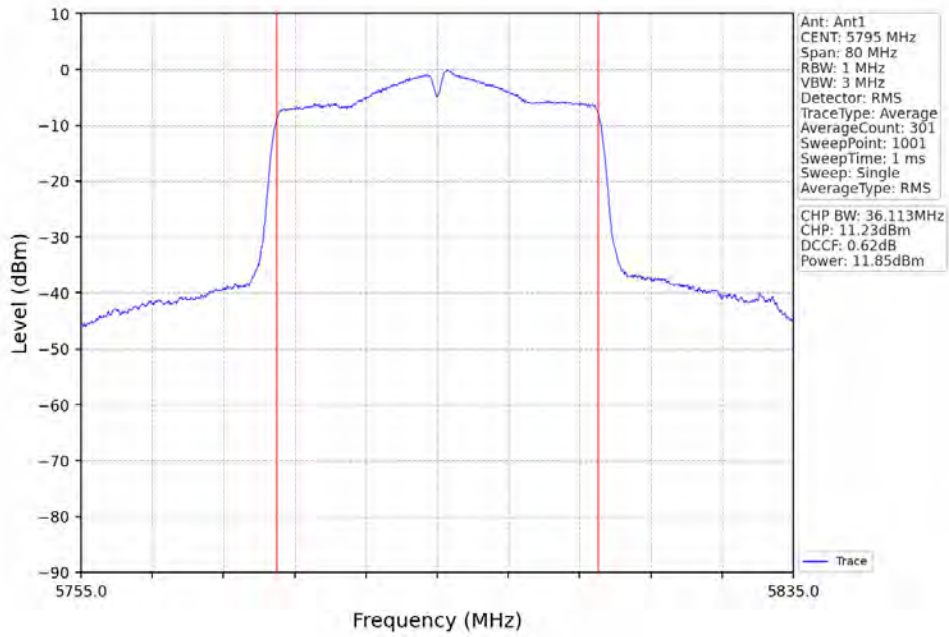
802.11n(HT40)\_LCH\_5755MHz\_Ant1\_NTNV



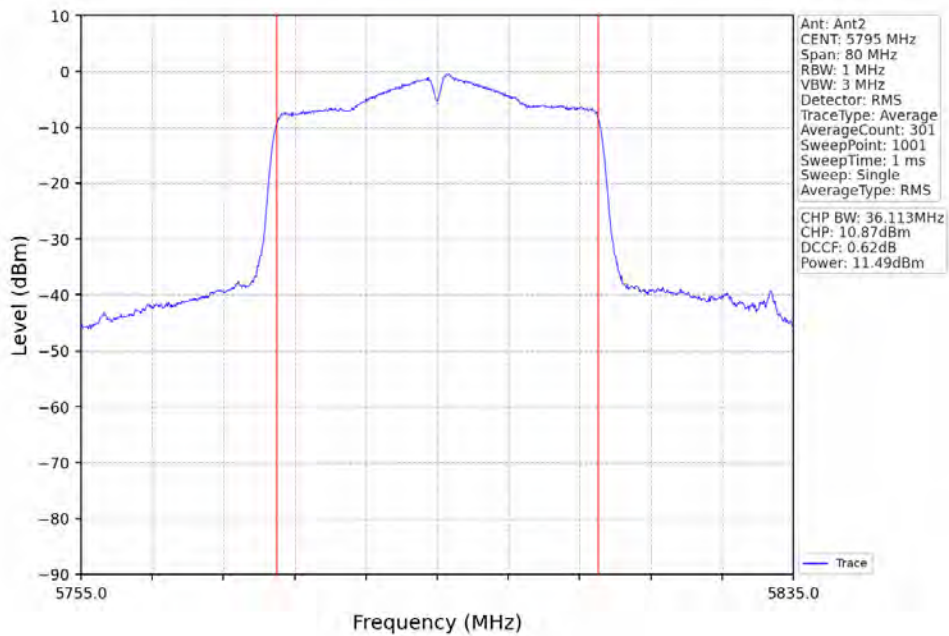
802.11n(HT40)\_LCH\_5755MHz\_Ant2\_NTNV



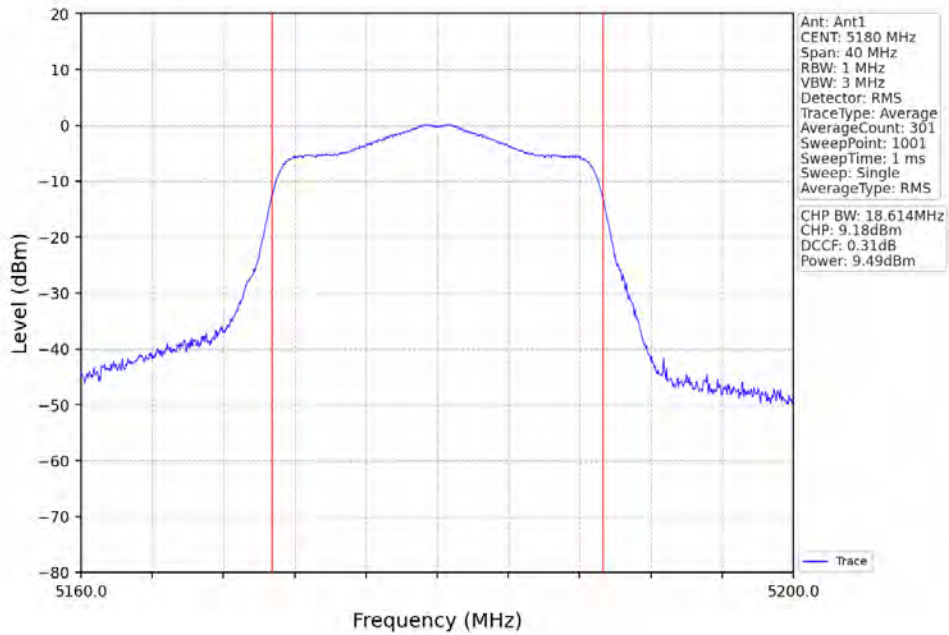
802.11n(HT40)\_HCH\_5795MHz\_Ant1\_NTNV



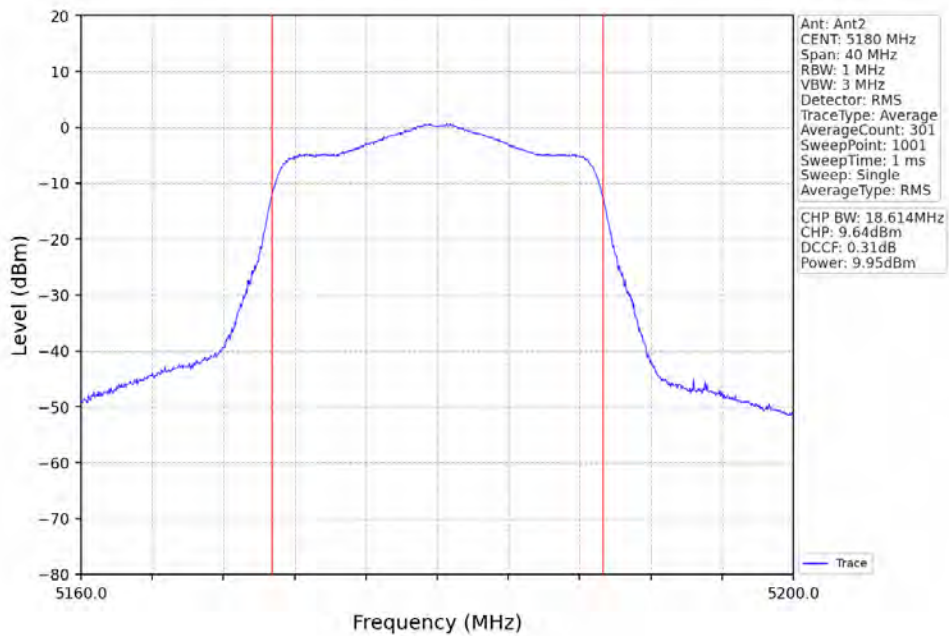
802.11n(HT40)\_HCH\_5795MHz\_Ant2\_NTNV



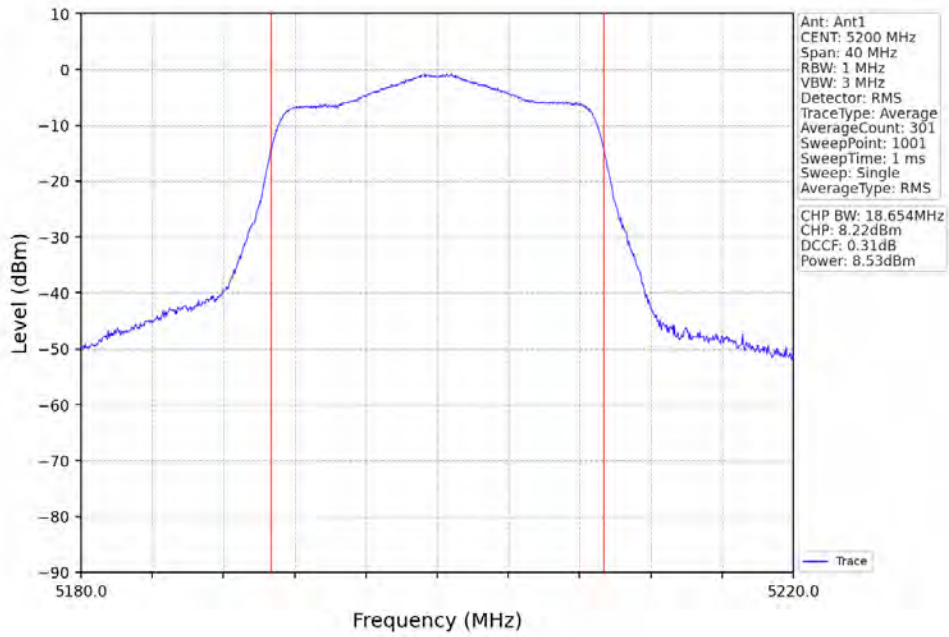
802.11ac(VHT20)\_LCH\_5180MHz\_Ant1\_NTNV



802.11ac(VHT20)\_LCH\_5180MHz\_Ant2\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant1\_NTNV



802.11ac(VHT20)\_MCH\_5200MHz\_Ant2\_NTNV

