

ANNEX G TEST DATA

For

Project No.:	8230EU011805W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Description:	Android Tablet
Model No.:	WF2185T
FCC ID:	2ABC5-E0065
Technology:	WiFi 5G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2024-06-29

Test Summary

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



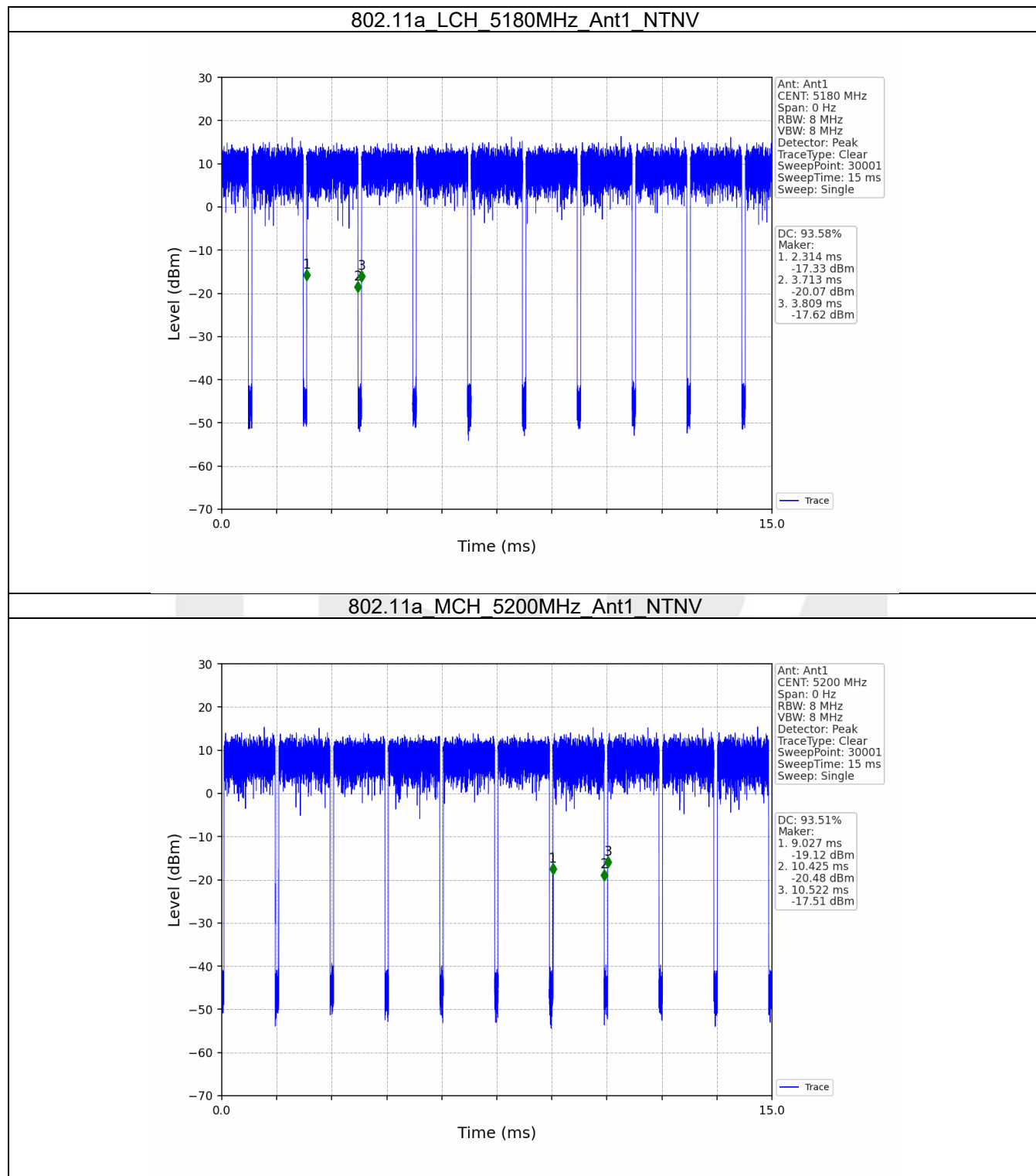
1. Duty Cycle

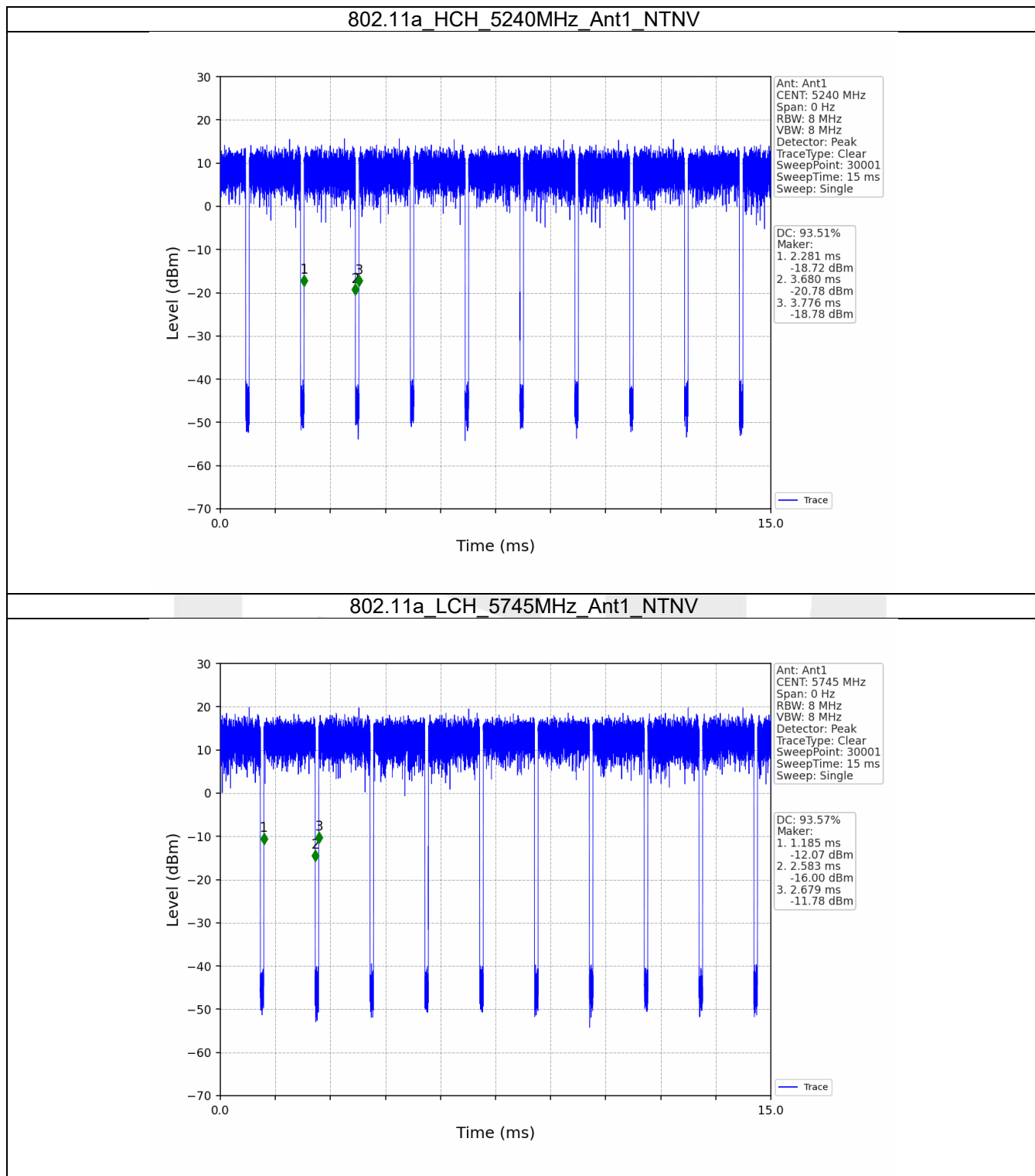
1.1 Ant1

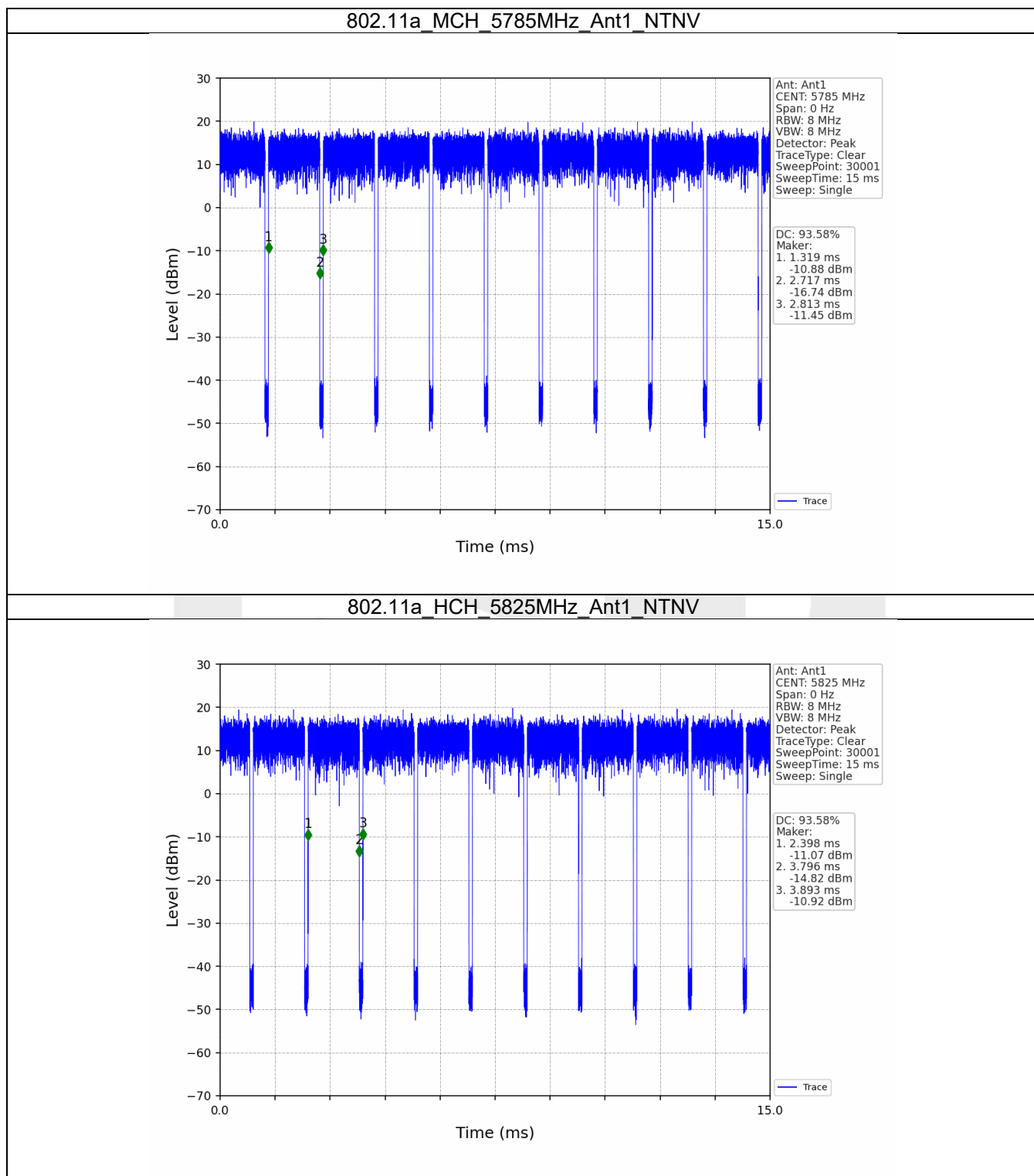
1.1.1 Test Result

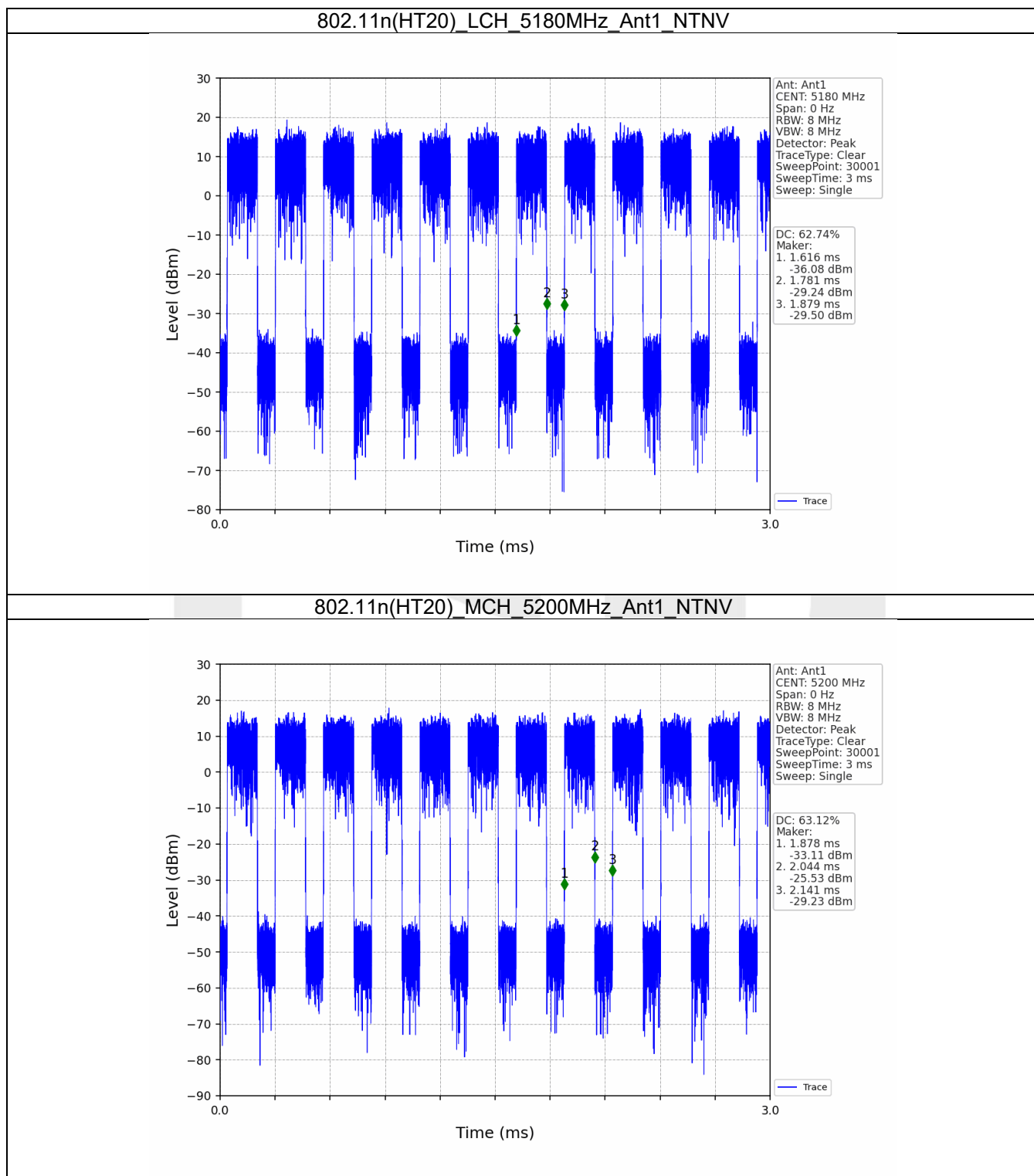
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.399	1.495	93.58	0.29	0.03
		5200	/	/	1.398	1.495	93.51	0.29	0.03
		5240	/	/	1.398	1.495	93.51	0.29	0.03
		5745	/	/	1.398	1.494	93.57	0.29	0.03
		5785	/	/	1.399	1.495	93.58	0.29	0.00
		5825	/	/	1.399	1.495	93.58	0.29	0.03
802.11n (HT20)	SISO	5180	/	/	0.165	0.263	62.74	2.02	0.20
		5200	/	/	0.166	0.263	63.12	2.00	0.09
		5240	/	/	0.169	0.263	64.26	1.92	0.09
		5745	/	/	0.167	0.263	63.50	1.97	0.06
		5785	/	/	0.166	0.263	63.12	2.00	0.10
		5825	/	/	0.164	0.263	62.36	2.05	0.10
802.11n (HT40)	SISO	5190	/	/	0.098	0.199	49.25	3.08	0.15
		5230	/	/	0.103	0.199	51.76	2.86	0.30
		5755	/	/	0.102	0.199	51.26	2.90	0.13
		5795	/	/	0.104	0.199	52.26	2.82	0.22
802.11ac (VHT20)	SISO	5180	/	/	1.318	1.414	93.21	0.31	0.00
		5200	/	/	1.316	1.415	93.00	0.32	0.03
		5240	/	/	1.316	1.415	93.00	0.32	0.03
		5745	/	/	1.316	1.415	93.00	0.32	0.03
		5785	/	/	1.318	1.415	93.14	0.31	0.06
		5825	/	/	1.316	1.415	93.00	0.32	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.659	0.755	87.28	0.59	0.03
		5230	/	/	0.658	0.755	87.15	0.60	0.04
		5755	/	/	0.658	0.754	87.27	0.59	0.04
		5795	/	/	0.659	0.755	87.28	0.59	0.04
802.11ac (VHT80)	SISO	5210	/	/	0.330	0.424	77.83	1.09	0.11
		5775	/	/	0.330	0.424	77.83	1.09	0.08
802.11ax (HEW20)	SISO	5180	RU242	Left	0.119	0.218	54.59	2.63	0.02
		5200	RU242	Left	0.120	0.218	55.05	2.59	0.05
		5240	RU242	Left	0.119	0.218	54.59	2.63	0.03
		5745	RU242	Left	0.124	0.219	56.62	2.47	0.28
		5785	RU242	Left	0.119	0.218	54.59	2.63	0.05
		5825	RU242	Left	0.121	0.218	55.50	2.56	0.09
802.11ax (HEW40)	SISO	5190	RU484	Left	0.092	0.187	49.20	3.08	0.21
		5230	RU484	Left	0.090	0.187	48.13	3.18	0.07
		5755	RU484	Left	0.093	0.188	49.47	3.06	0.28
		5795	RU484	Left	0.091	0.187	48.66	3.13	0.07
802.11ax (HEW80)	SISO	5210	RU996	Left	0.080	0.177	45.20	3.45	0.19
		5775	RU996	Left	0.080	0.178	44.94	3.47	0.19

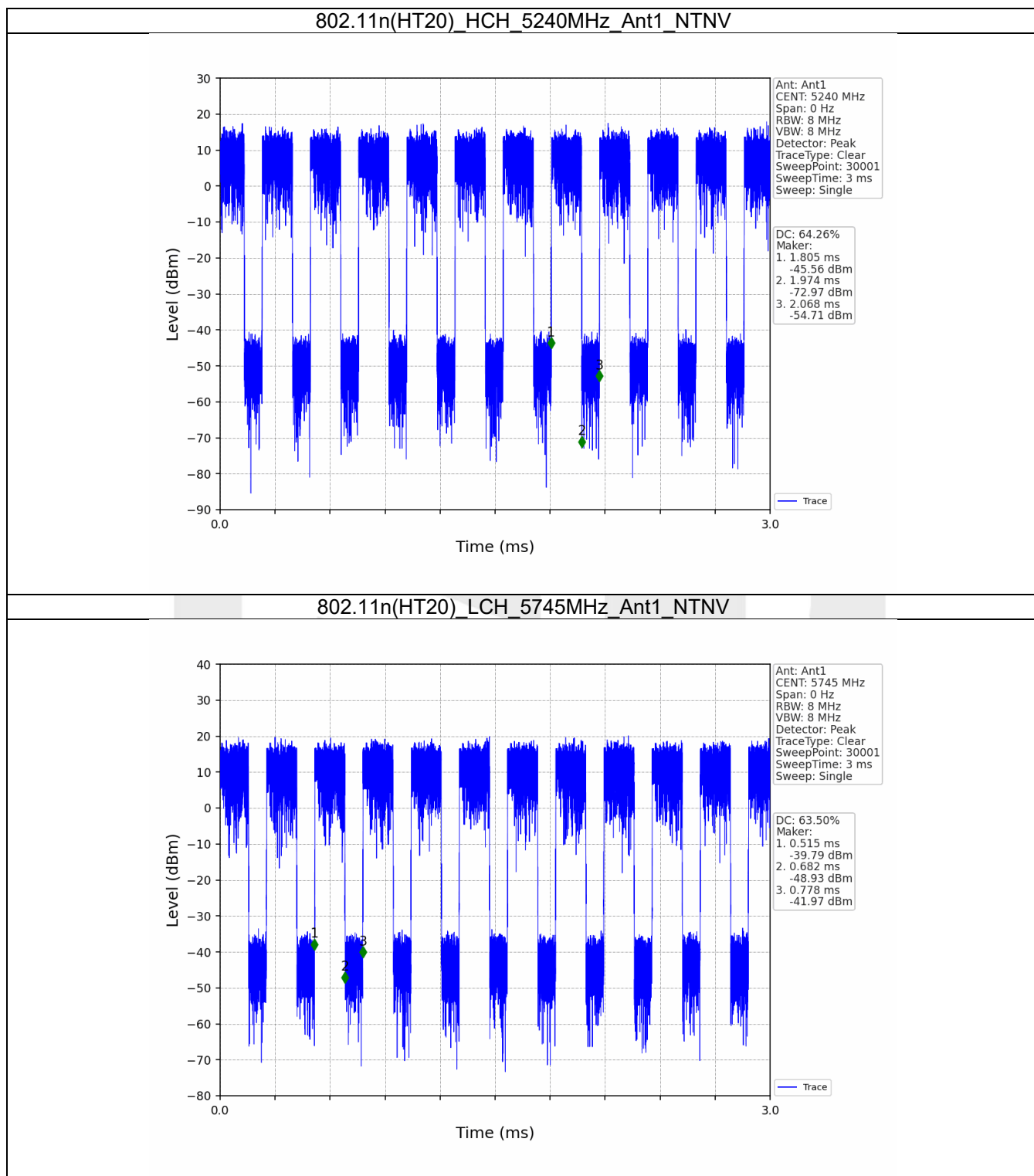
1.1.2 Test Graph

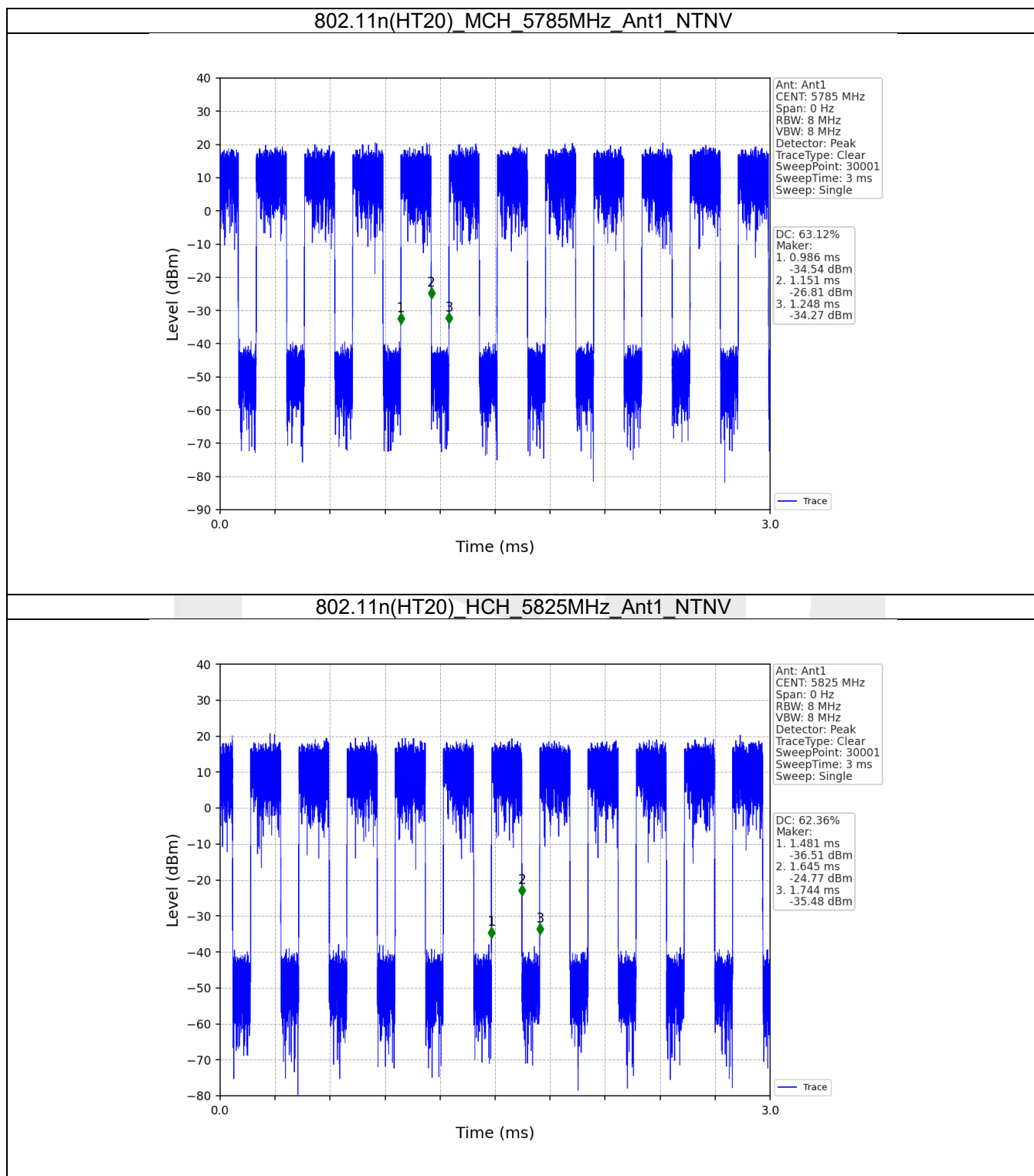


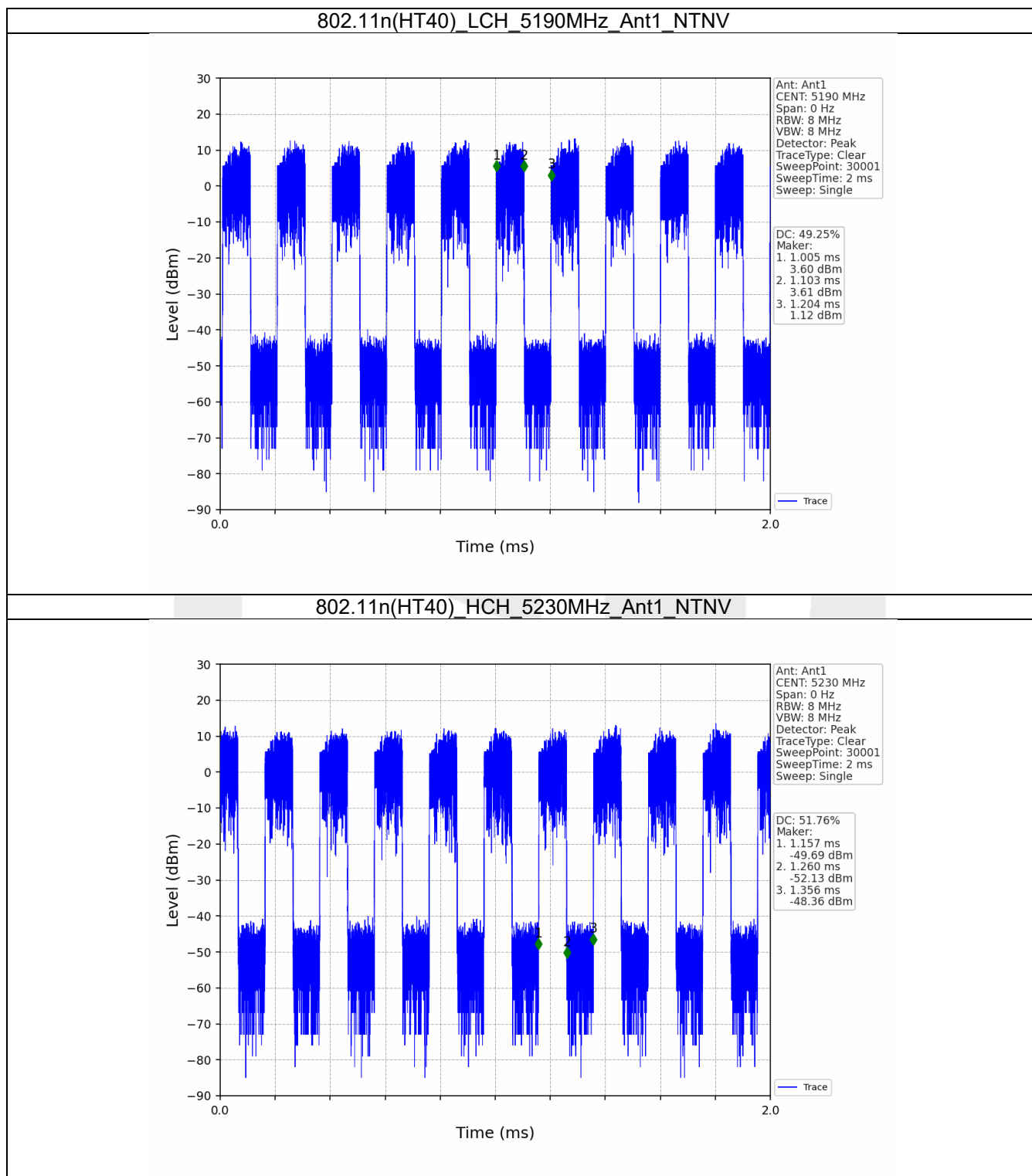




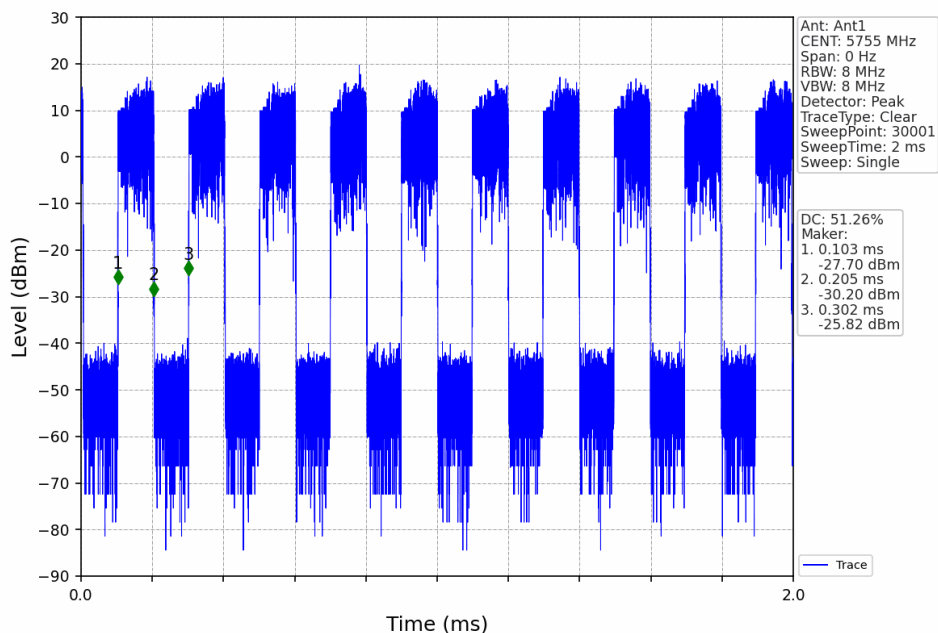




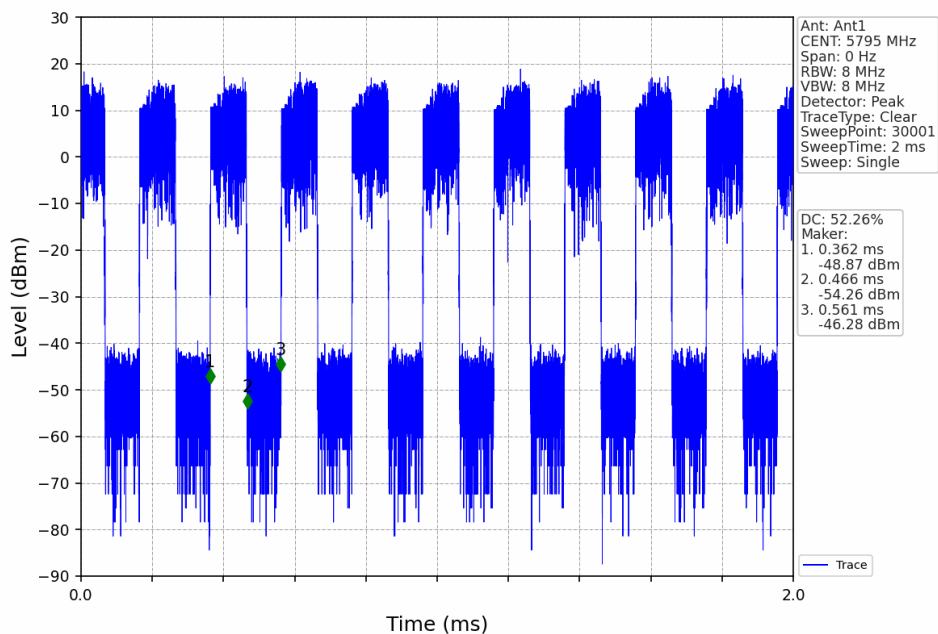


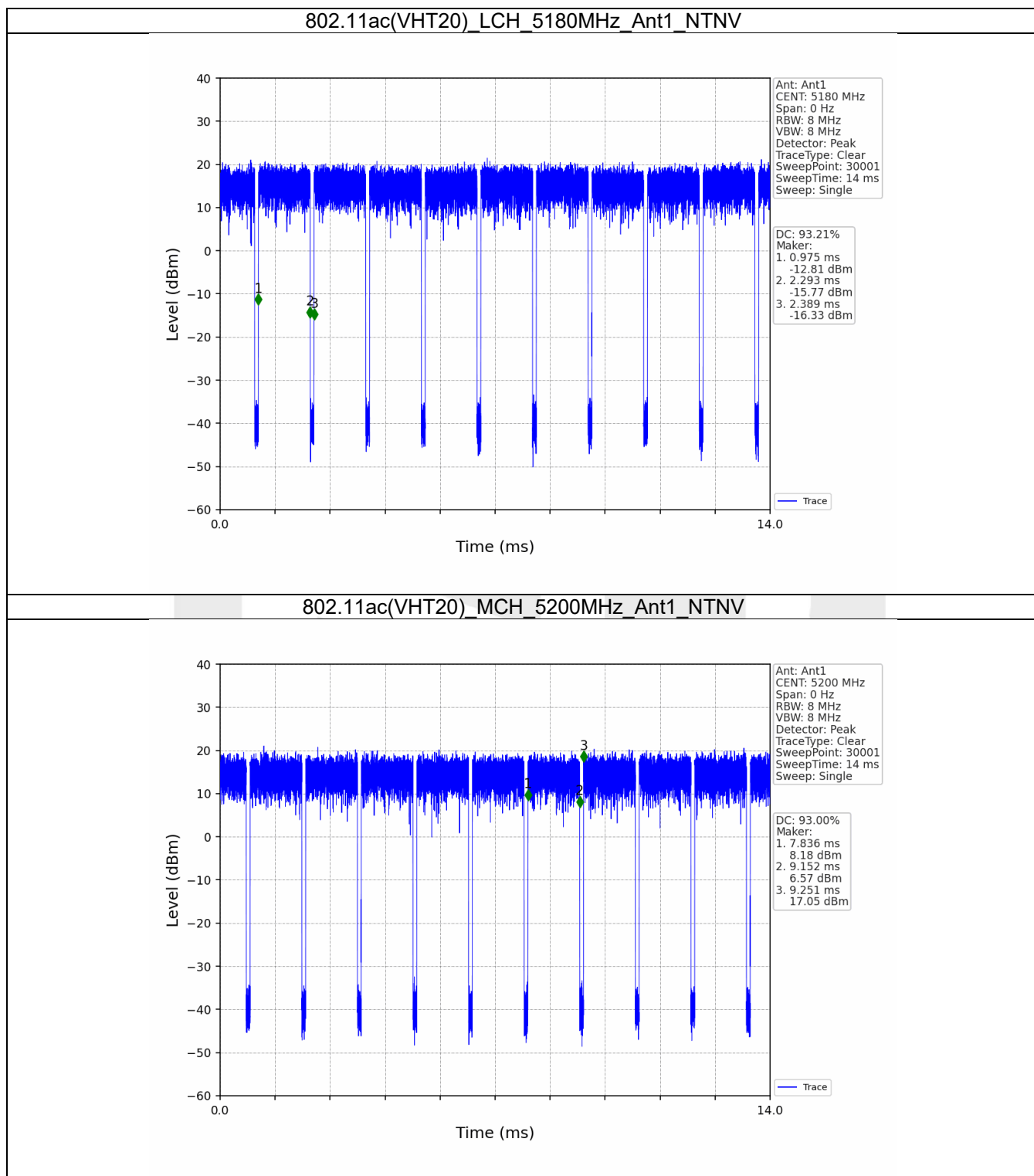


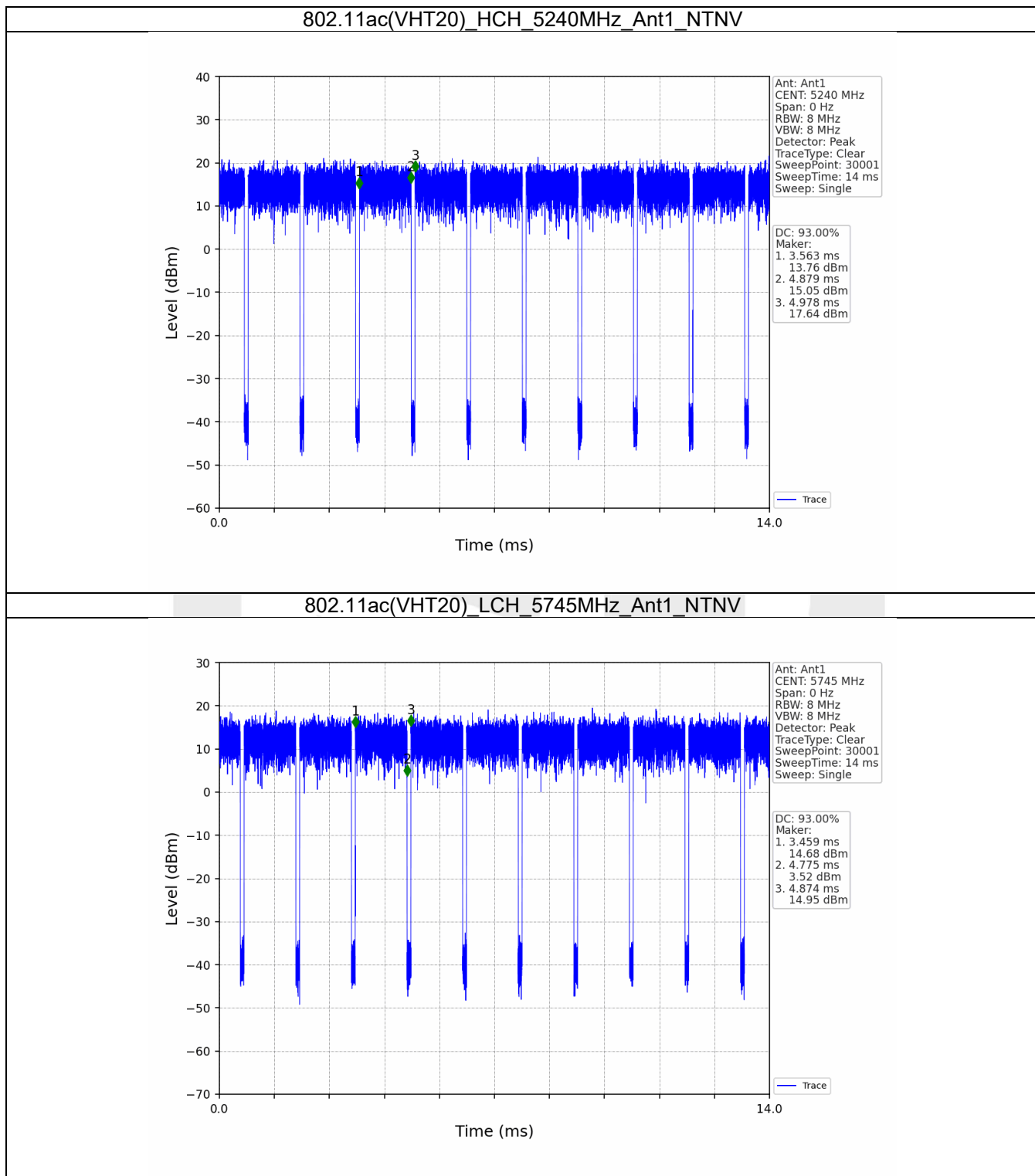
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV

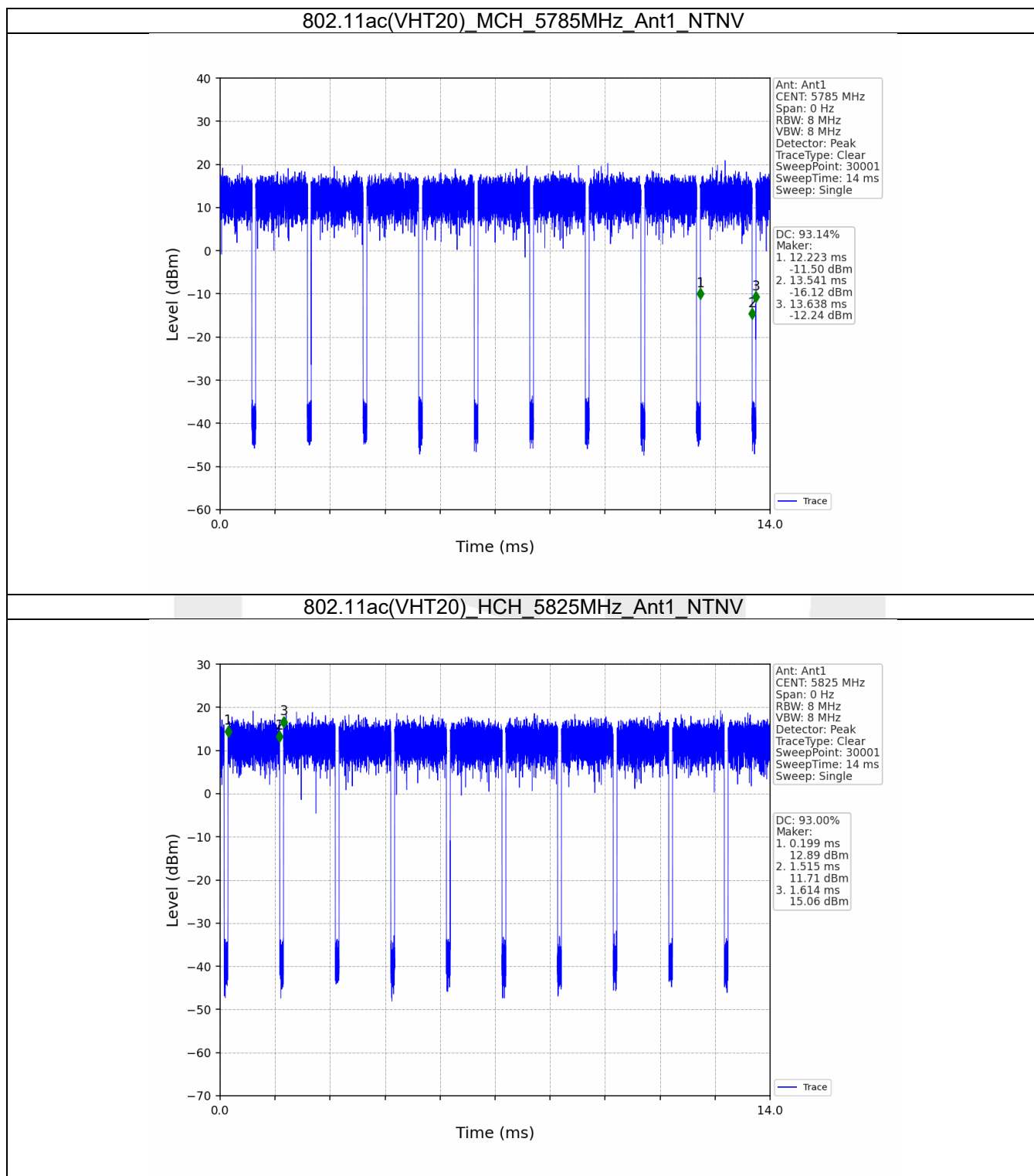


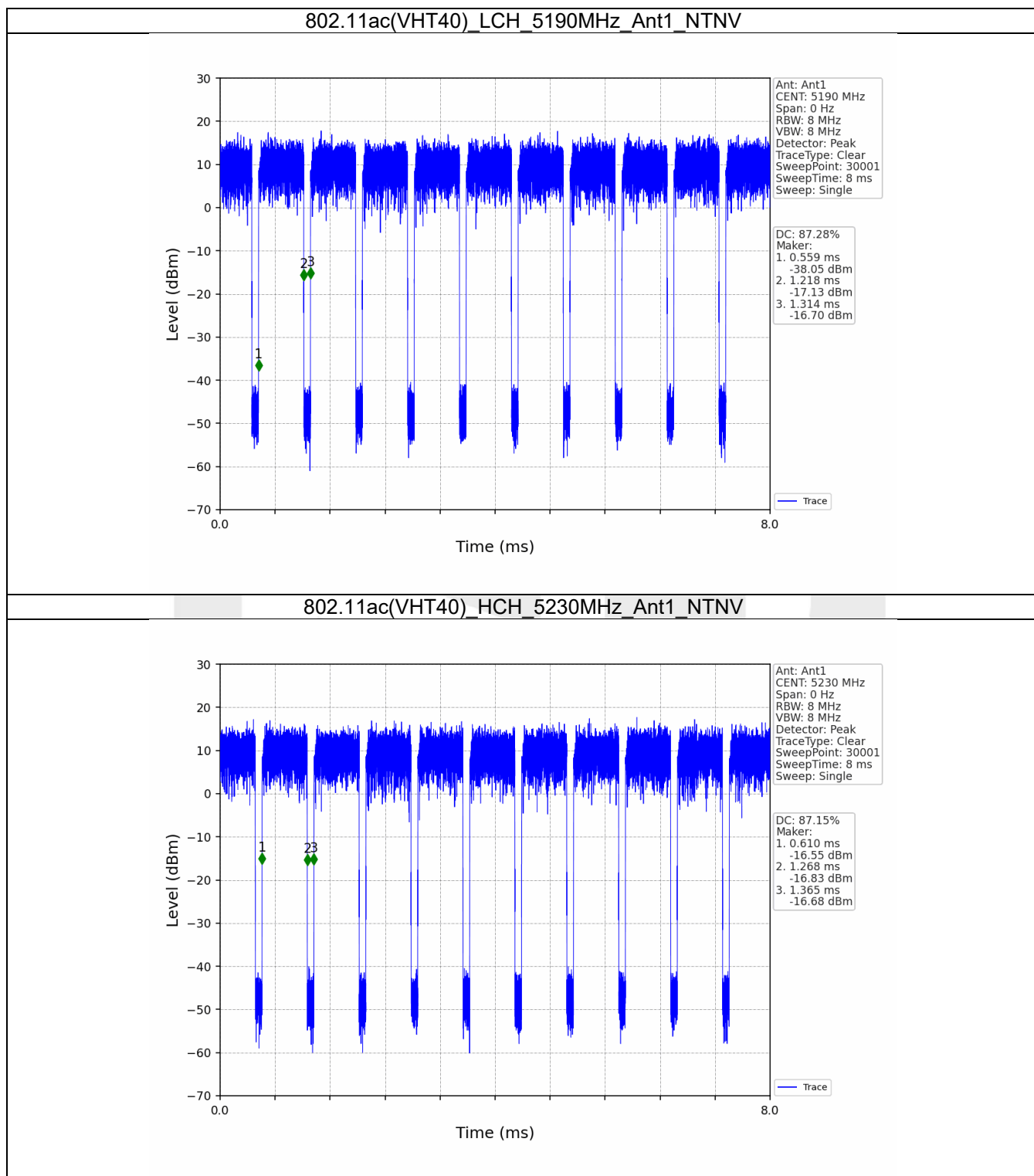
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

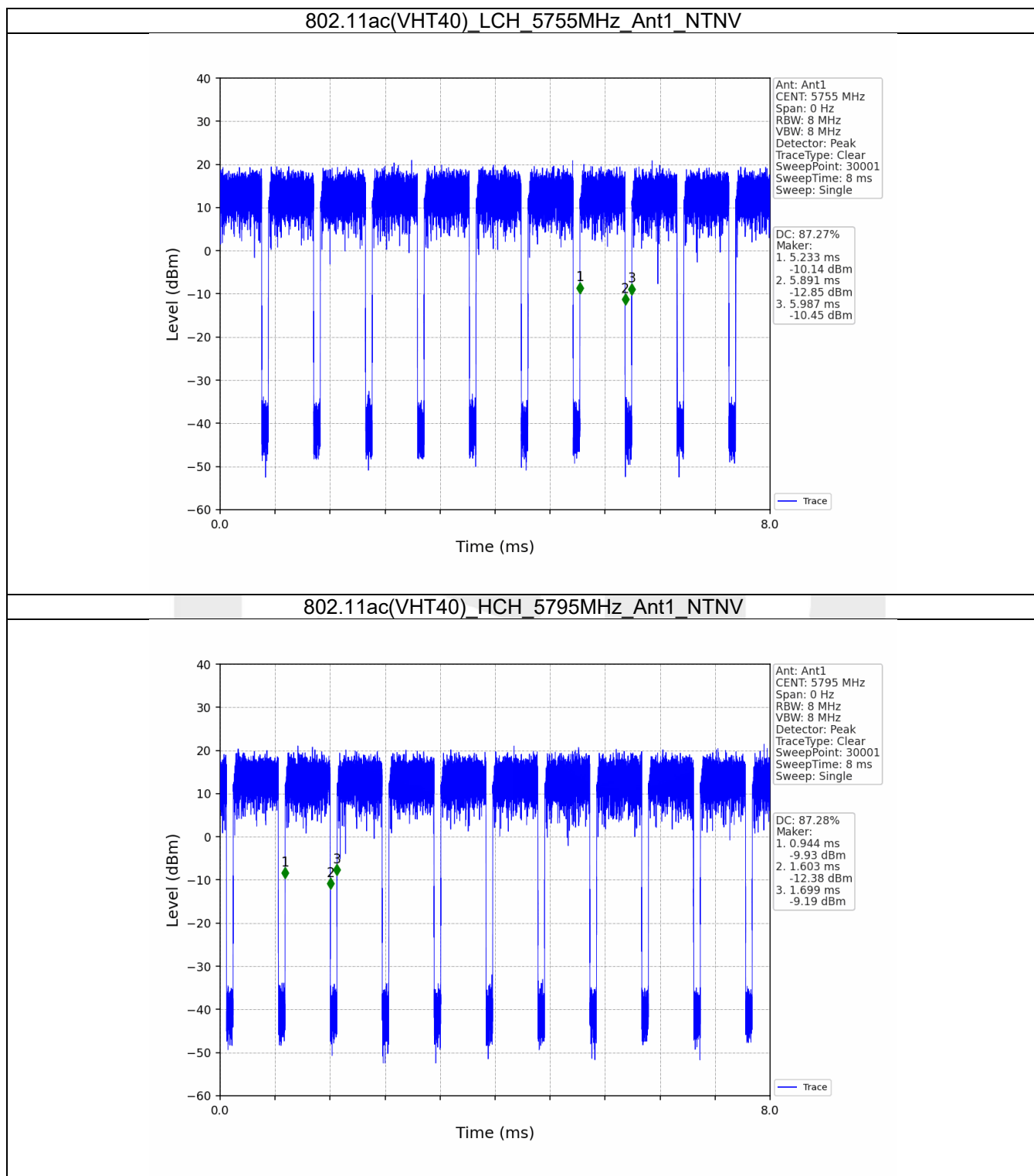


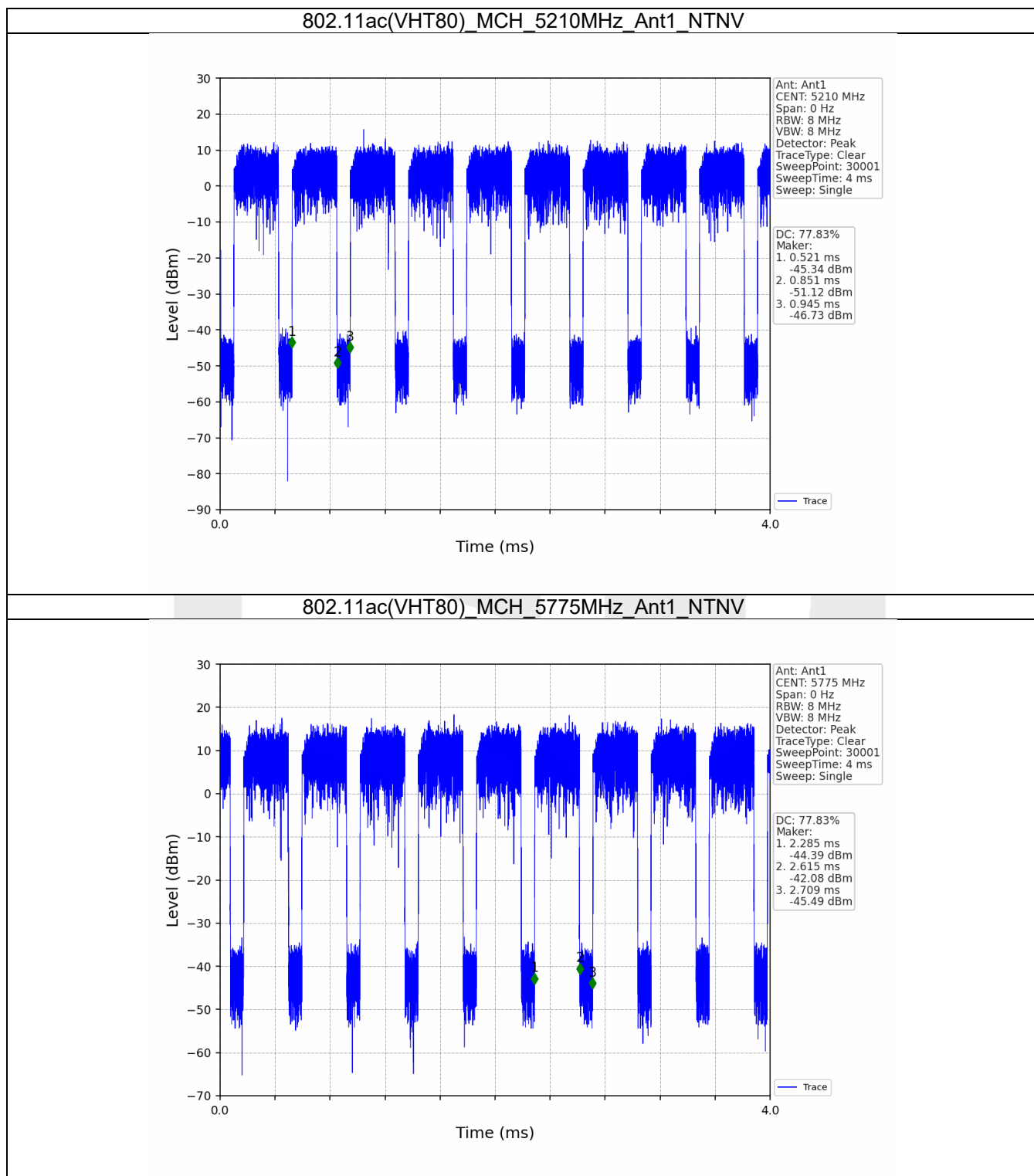




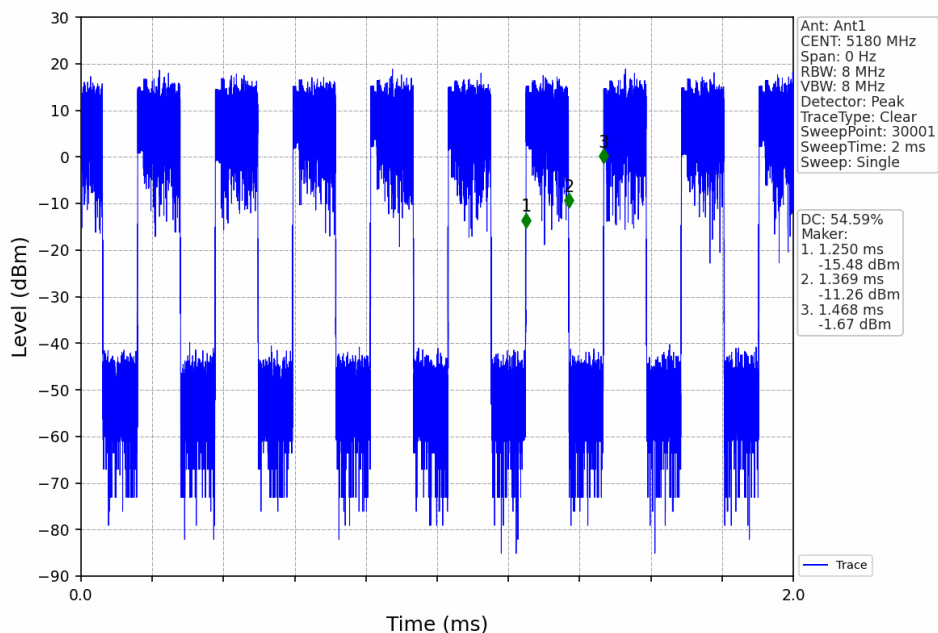




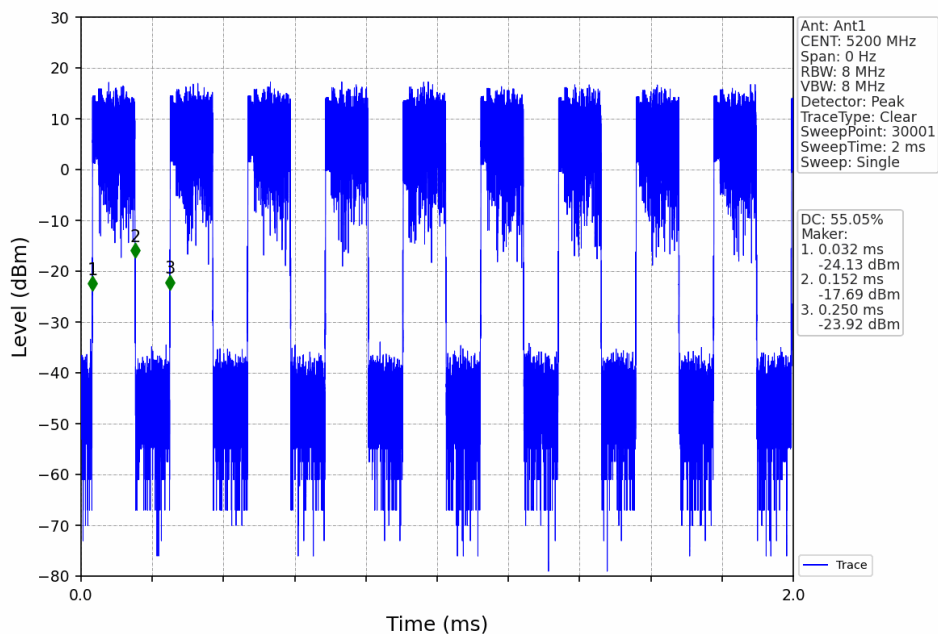




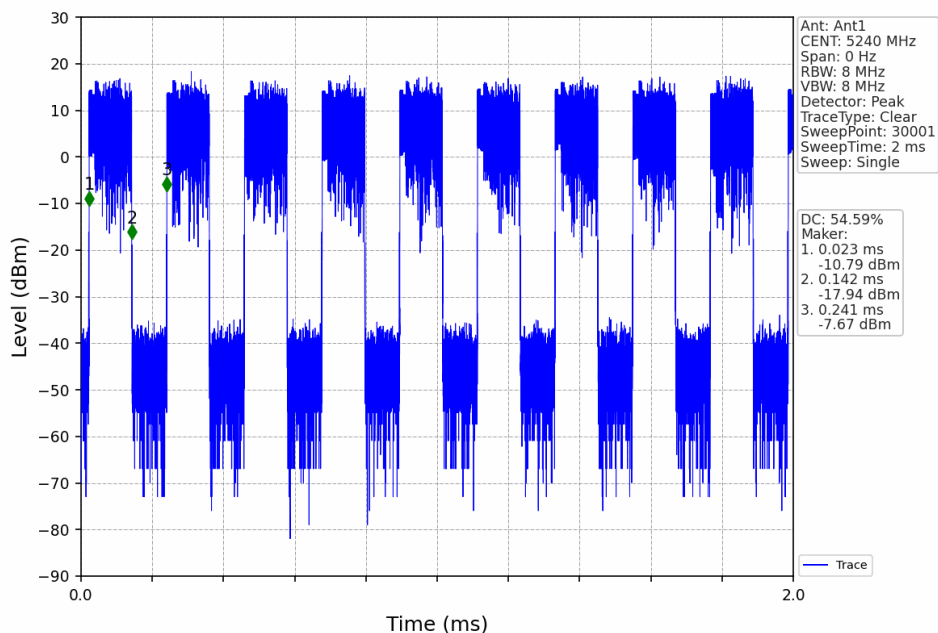
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



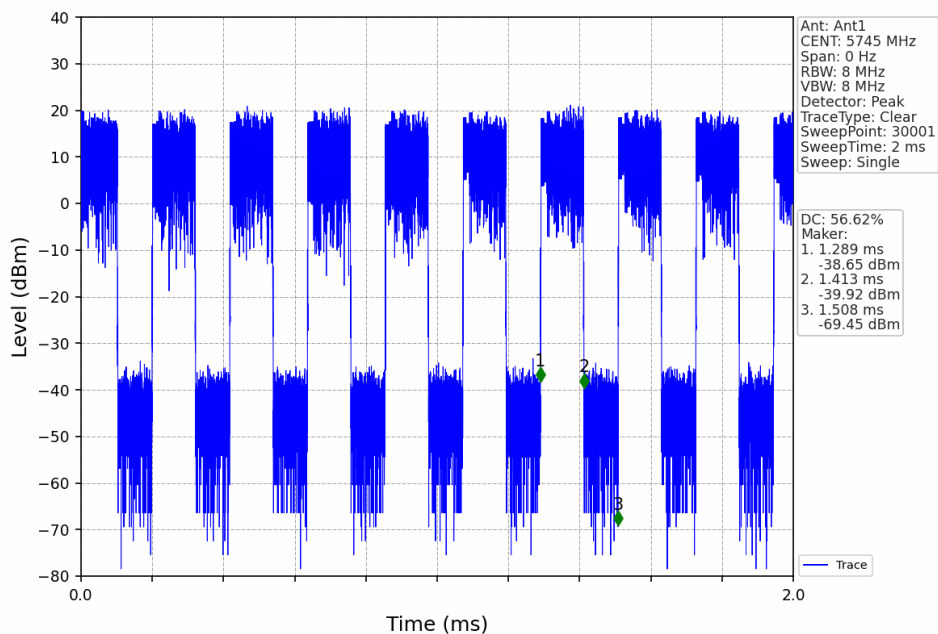
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV

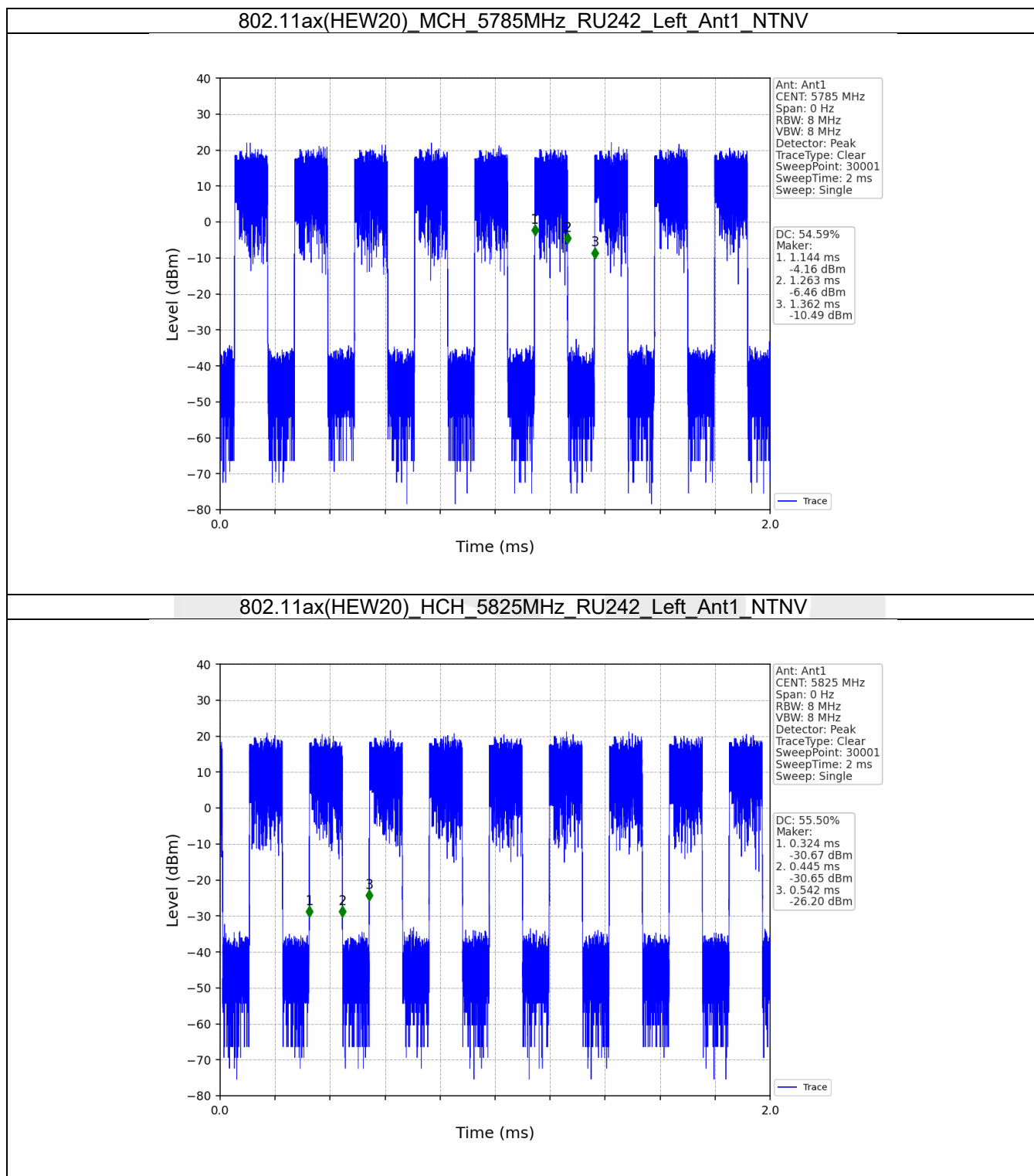


802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV

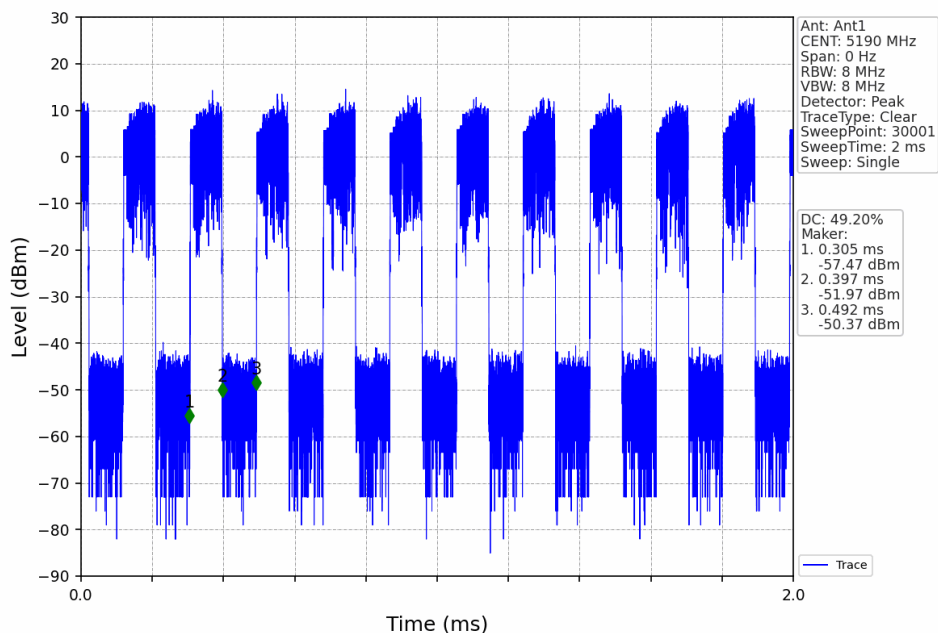


802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV

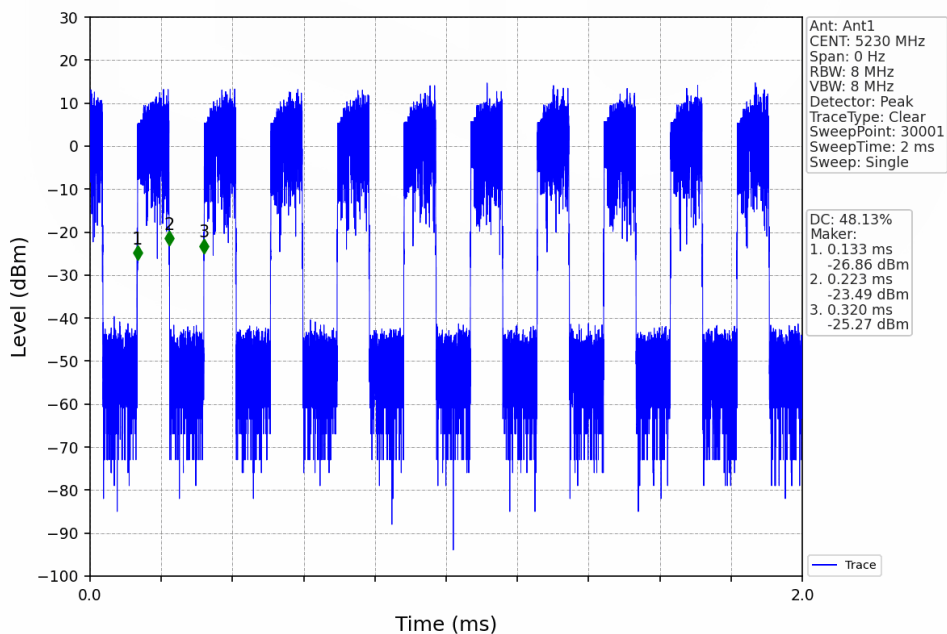




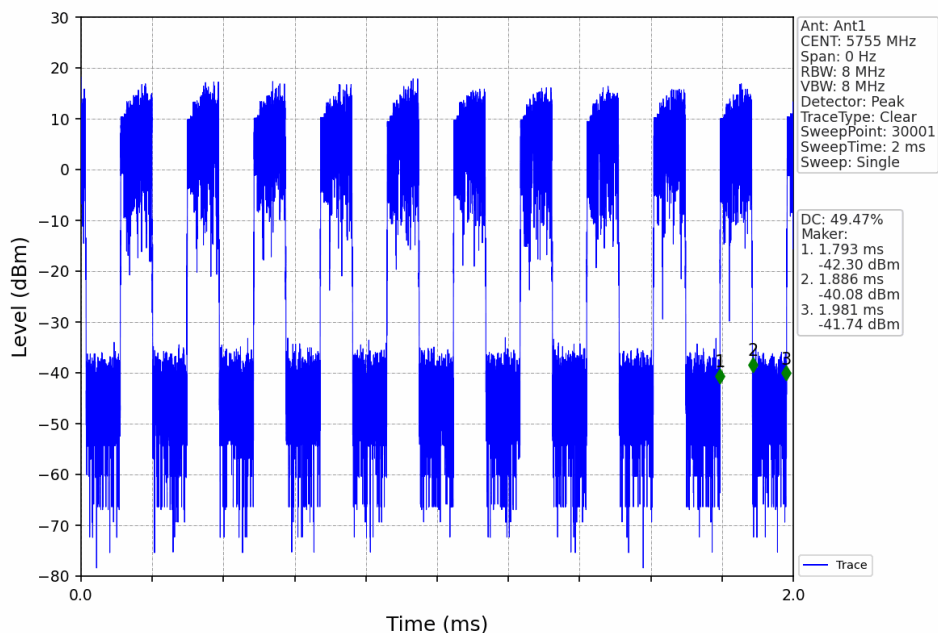
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



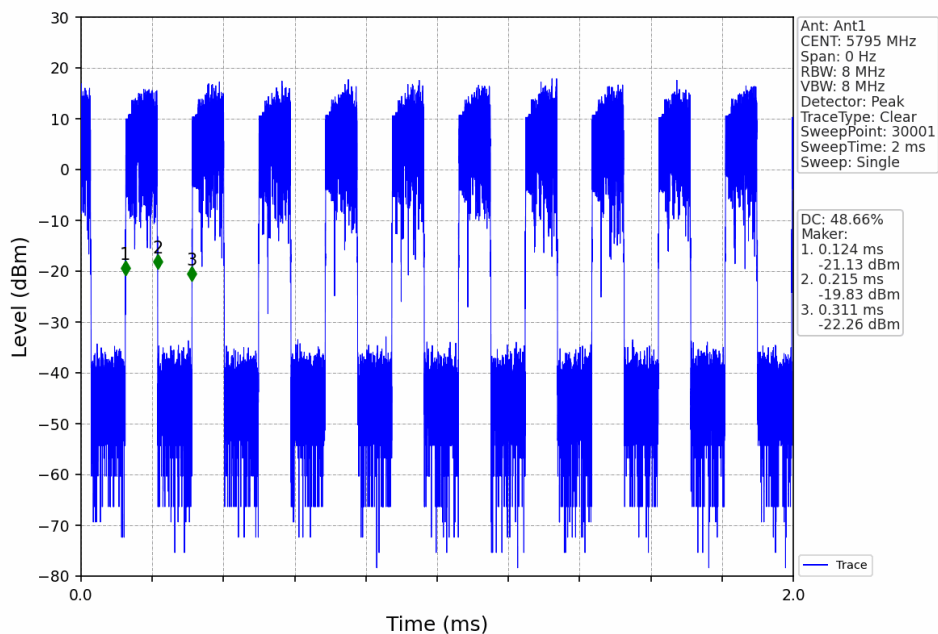
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



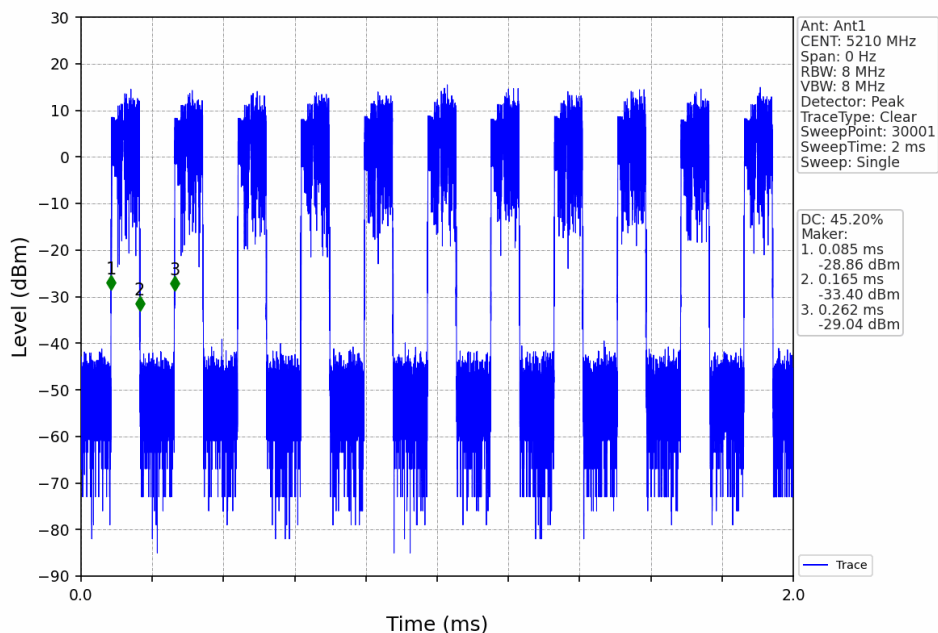
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



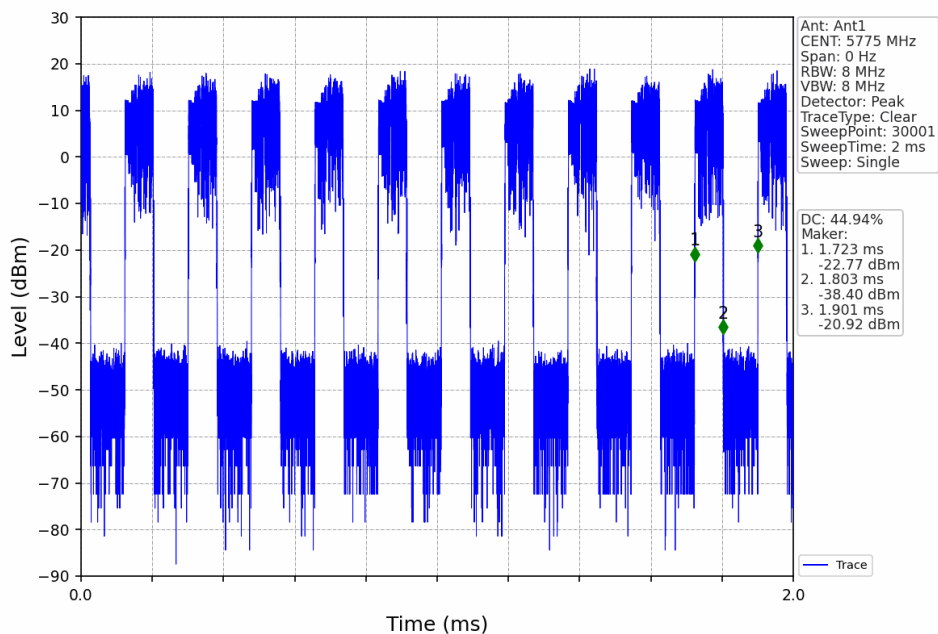
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_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	5180	/	/	1	17.697	/	Pass
		5200	/	/	1	17.581	/	Pass
		5240	/	/	1	17.598	/	Pass
		5745	/	/	1	17.635	/	Pass
		5785	/	/	1	17.650	/	Pass
		5825	/	/	1	17.489	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.818	/	Pass
		5200	/	/	1	18.794	/	Pass
		5240	/	/	1	18.680	/	Pass
		5745	/	/	1	18.779	/	Pass
		5785	/	/	1	18.765	/	Pass
		5825	/	/	1	18.653	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.333	/	Pass
		5230	/	/	1	37.045	/	Pass
		5755	/	/	1	37.904	/	Pass
		5795	/	/	1	37.922	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.978	/	Pass
		5200	/	/	1	19.021	/	Pass
		5240	/	/	1	18.852	/	Pass
		5745	/	/	1	18.446	/	Pass
		5785	/	/	1	18.453	/	Pass
		5825	/	/	1	18.443	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.588	/	Pass
		5230	/	/	1	36.513	/	Pass
		5755	/	/	1	36.770	/	Pass
		5795	/	/	1	36.531	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.150	/	Pass
		5775	/	/	1	76.184	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	1	19.465	/	Pass
		5200	RU242	Left	1	19.474	/	Pass
		5240	RU242	Left	1	19.432	/	Pass
		5745	RU242	Left	1	19.577	/	Pass
		5785	RU242	Left	1	19.567	/	Pass
		5825	RU242	Left	1	19.577	/	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	1	38.146	/	Pass
		5230	RU484	Left	1	38.057	/	Pass
		5755	RU484	Left	1	38.552	/	Pass
		5795	RU484	Left	1	38.331	/	Pass
802.11ax (HEW80)	SISO	5210	RU996	Left	1	98.647	/	Pass
		5775	RU996	Left	1	104.608	/	Pass

2.2 6dB BW

2.2.1 Test Result

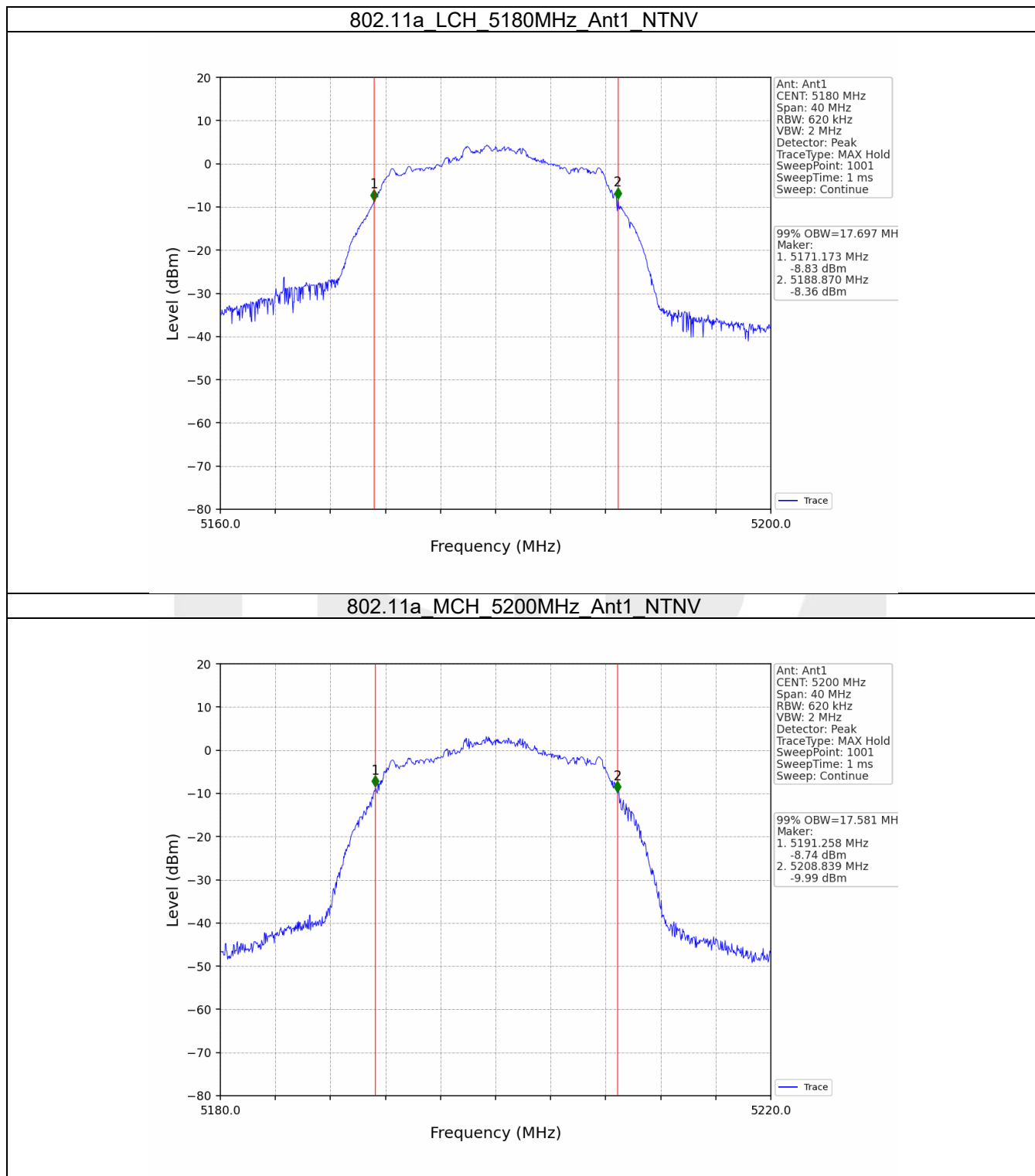
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	15.233	≥ 0.5	Pass
		5785	/	/	1	15.228	≥ 0.5	Pass
		5825	/	/	1	15.235	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.734	≥ 0.5	Pass
		5785	/	/	1	17.720	≥ 0.5	Pass
		5825	/	/	1	17.748	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.448	≥ 0.5	Pass
		5795	/	/	1	36.369	≥ 0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	15.238	≥ 0.5	Pass
		5785	/	/	1	15.227	≥ 0.5	Pass
		5825	/	/	1	15.235	≥ 0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	35.233	≥ 0.5	Pass
		5795	/	/	1	35.223	≥ 0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.225	≥ 0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	19.111	≥ 0.5	Pass
		5785	RU242	Left	1	19.056	≥ 0.5	Pass
		5825	RU242	Left	1	19.029	≥ 0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	37.676	≥ 0.5	Pass
		5795	RU484	Left	1	37.682	≥ 0.5	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	1	75.801	≥ 0.5	Pass

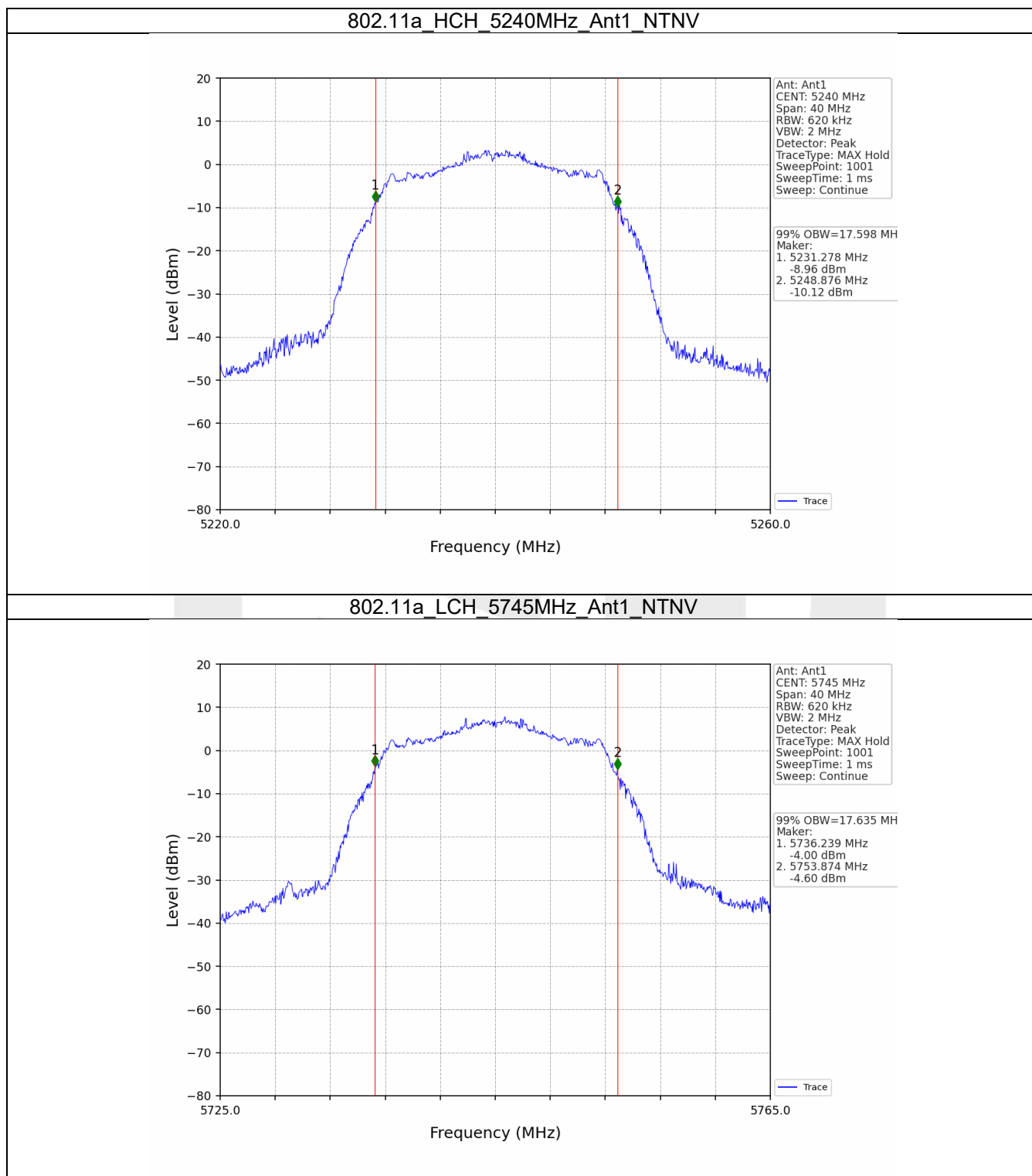
2.3 26dB BW

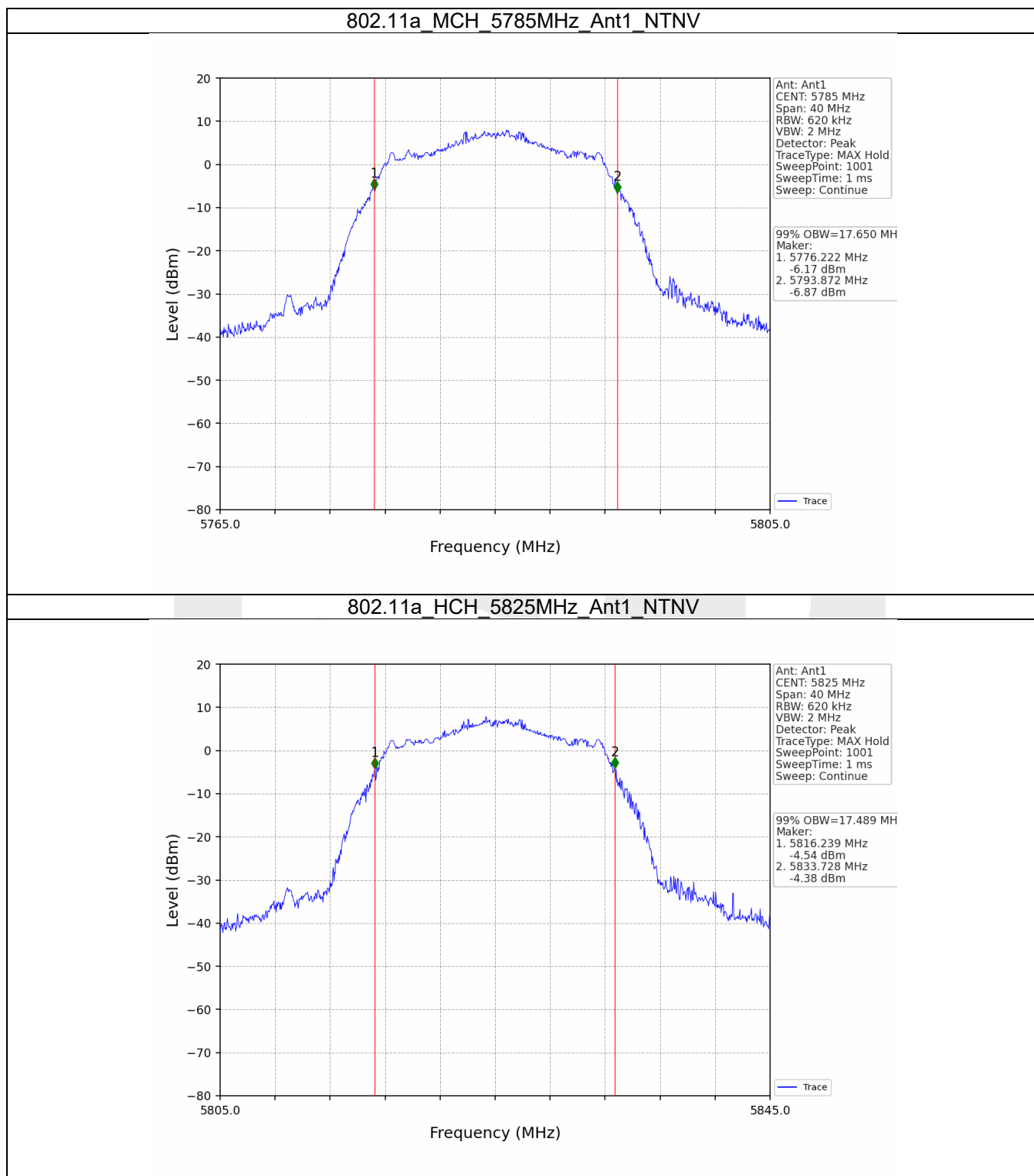
2.3.1 Test Result

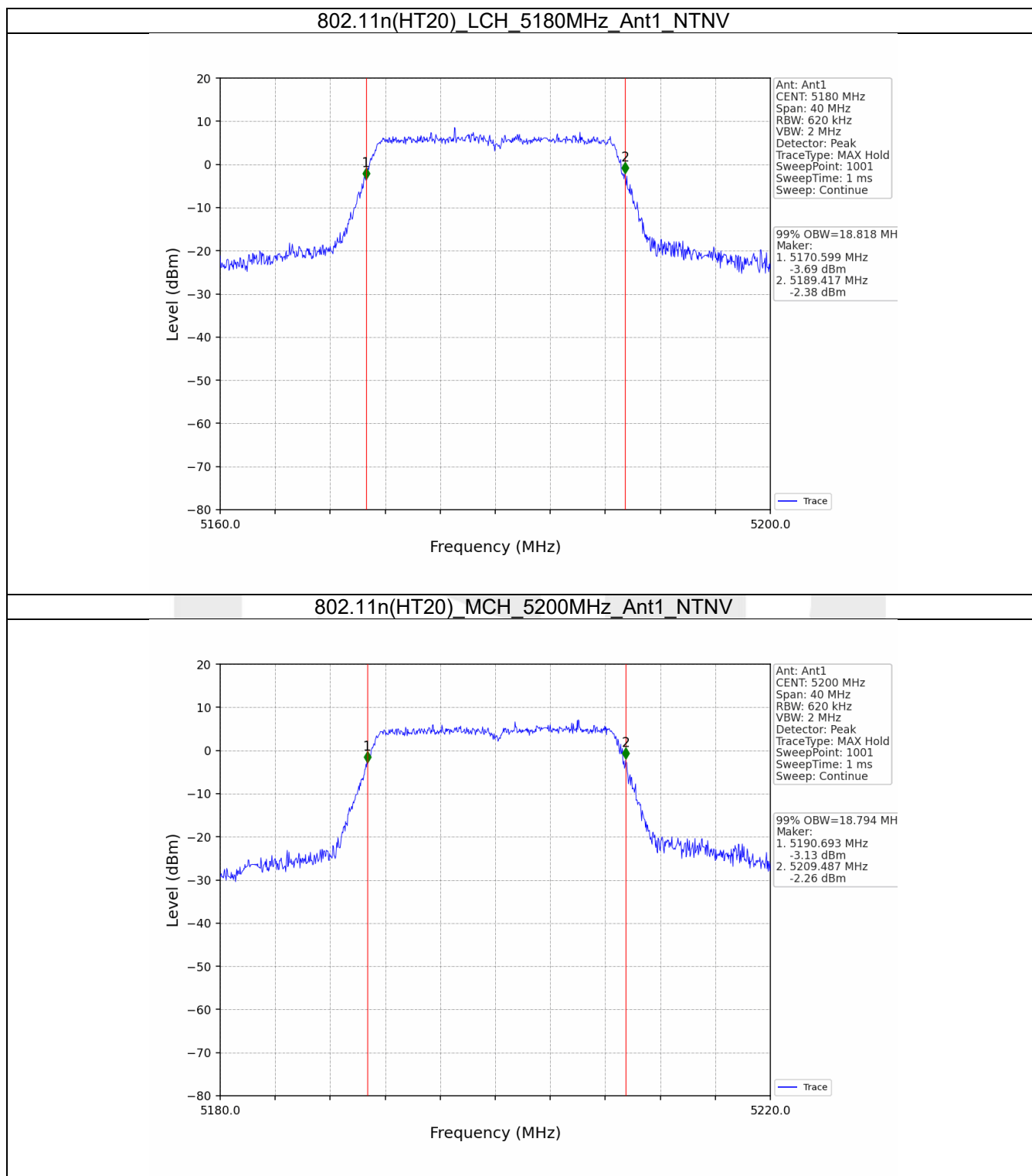
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	20.665	/	Pass
		5200	/	/	1	20.783	/	Pass
		5240	/	/	1	20.727	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	24.795	/	Pass
		5200	/	/	1	21.528	/	Pass
		5240	/	/	1	21.263	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	53.447	/	Pass
		5230	/	/	1	39.713	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	22.906	/	Pass
		5200	/	/	1	25.629	/	Pass
		5240	/	/	1	21.590	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	75.359	/	Pass
		5230	/	/	1	39.378	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	80.963	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	1	23.020	/	Pass
		5200	RU242	Left	1	26.054	/	Pass
		5240	RU242	Left	1	21.243	/	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	1	43.562	/	Pass
		5230	RU484	Left	1	48.628	/	Pass
802.11ax (HEW80)	SISO	5210	RU996	Left	1	177.840	/	Pass

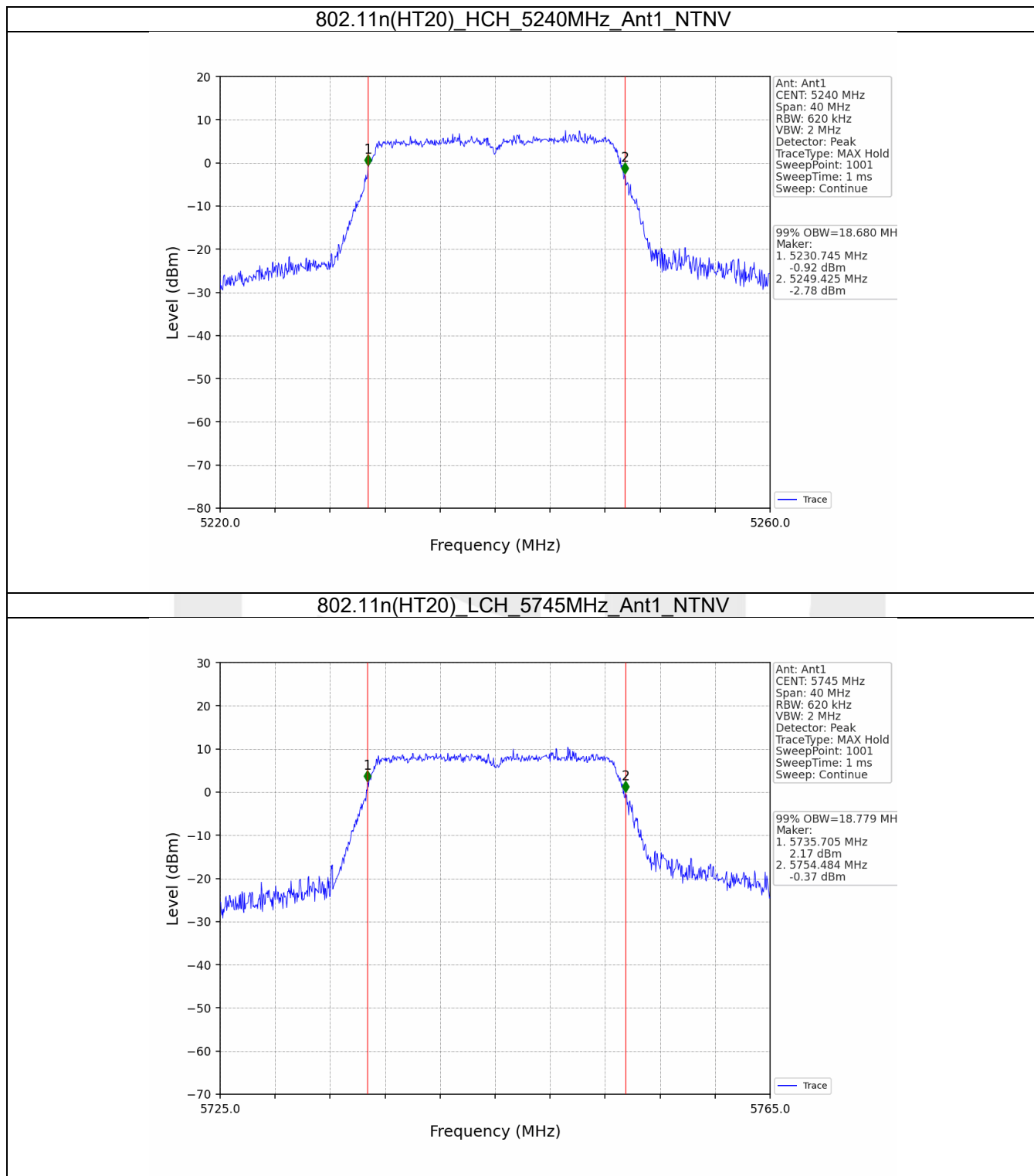
2.1.2 Test Graph

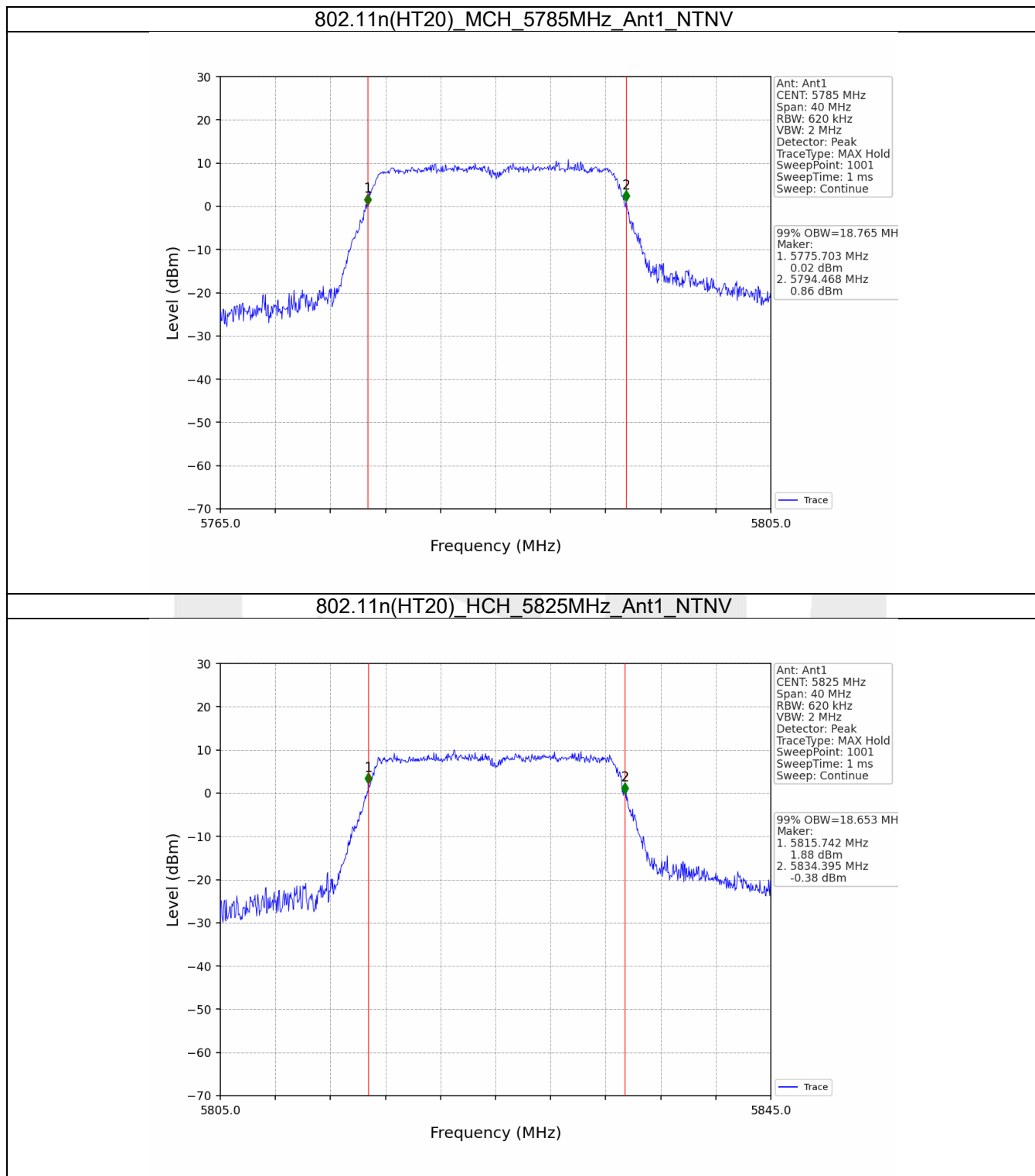


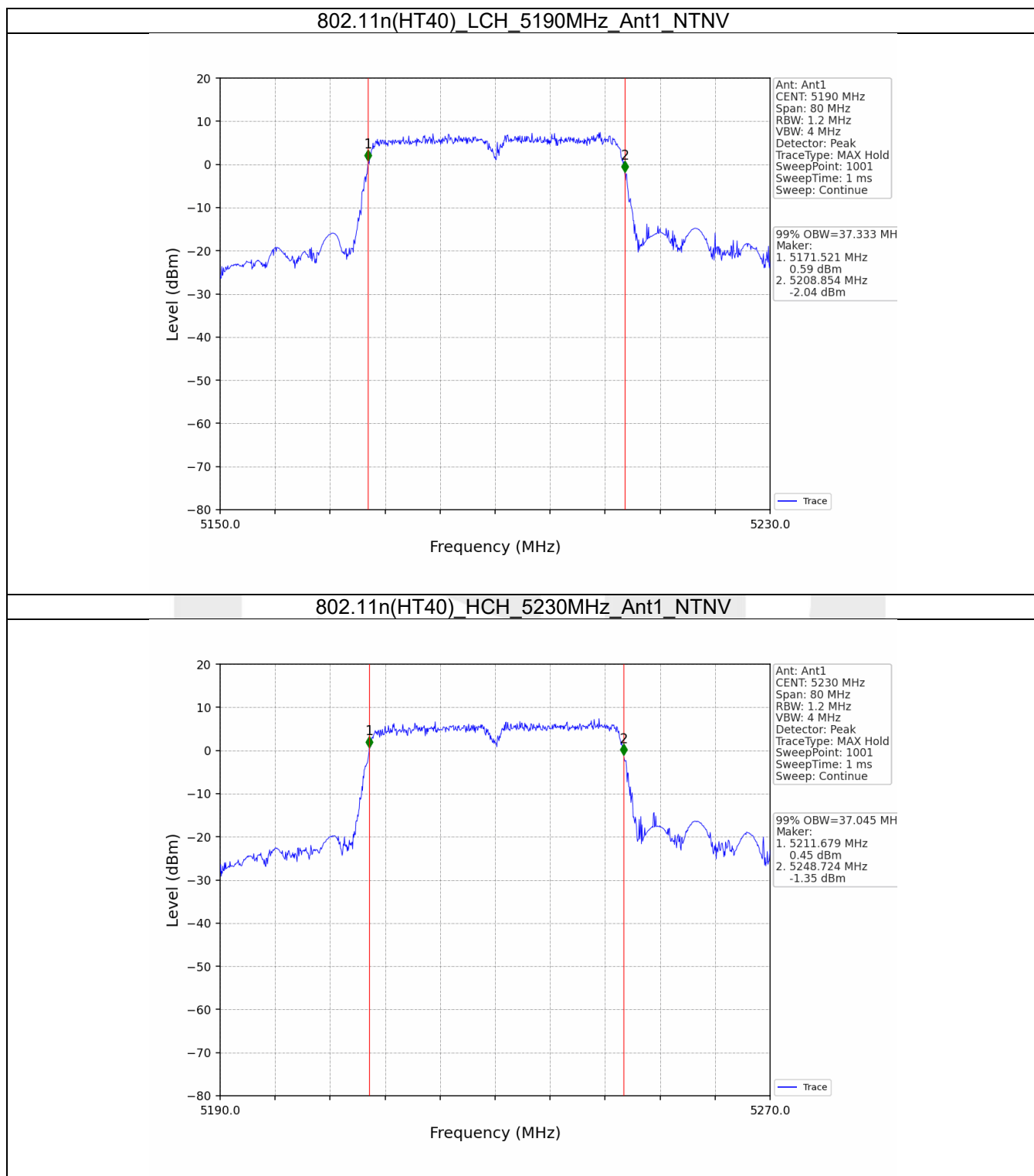


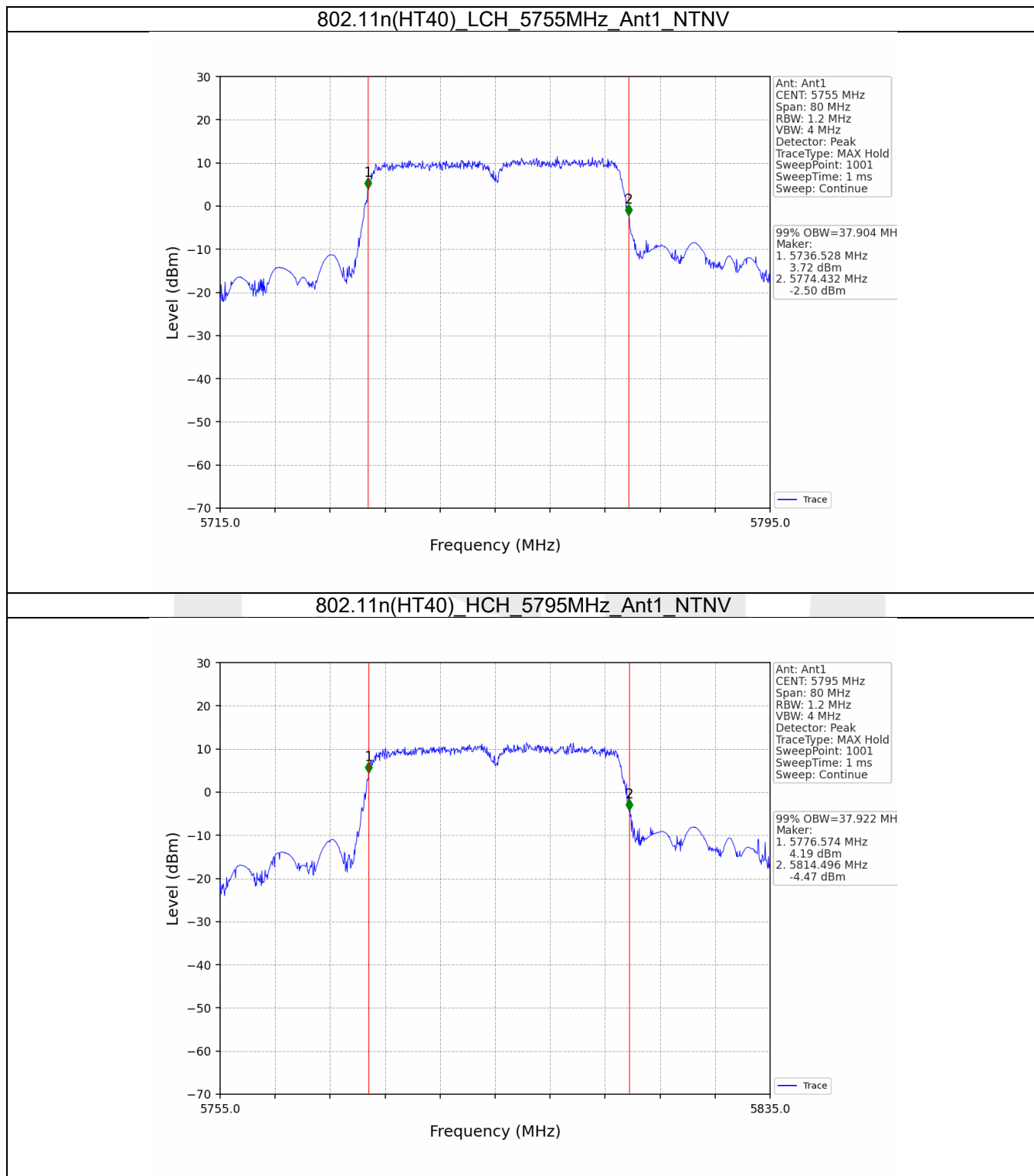


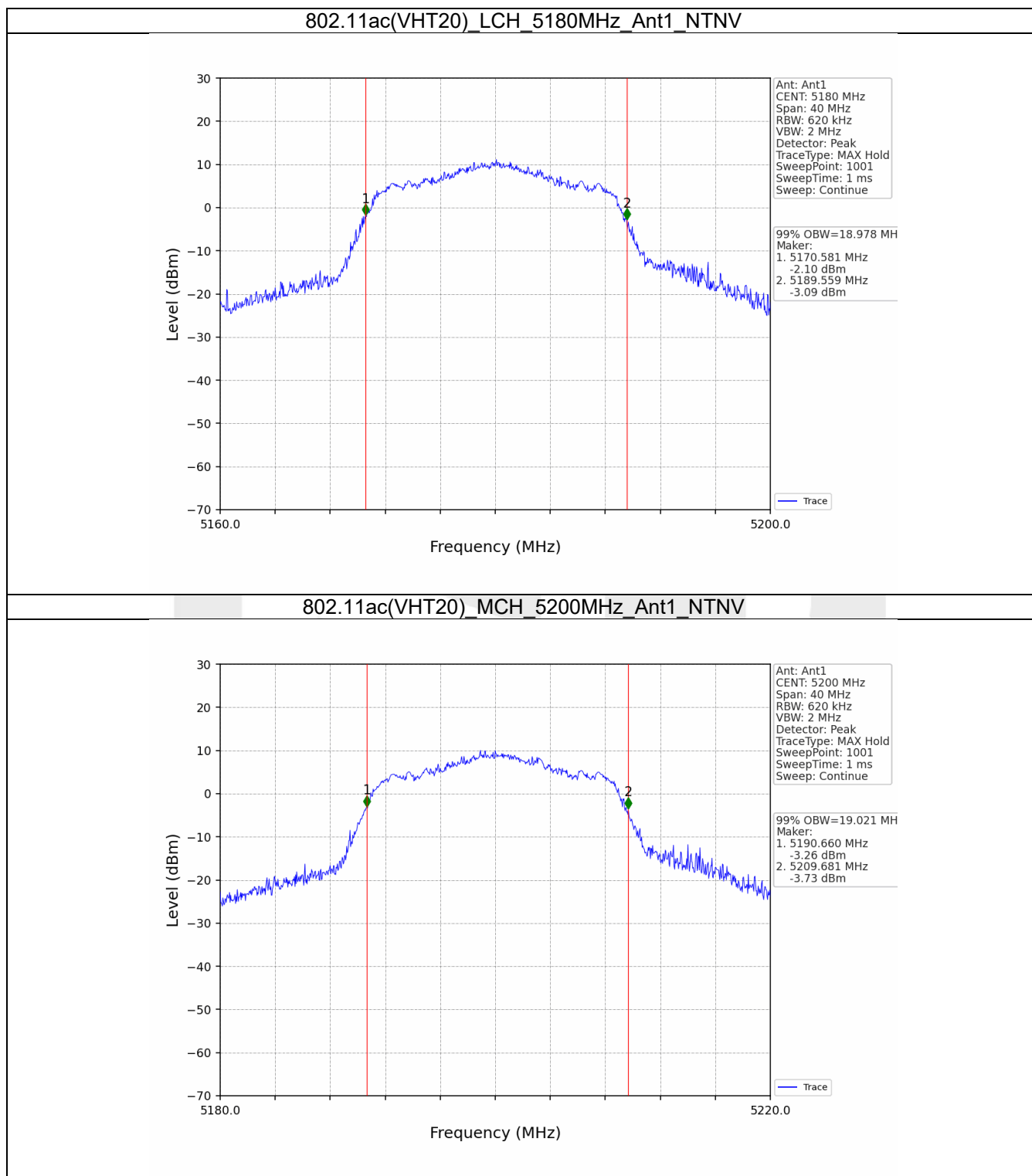


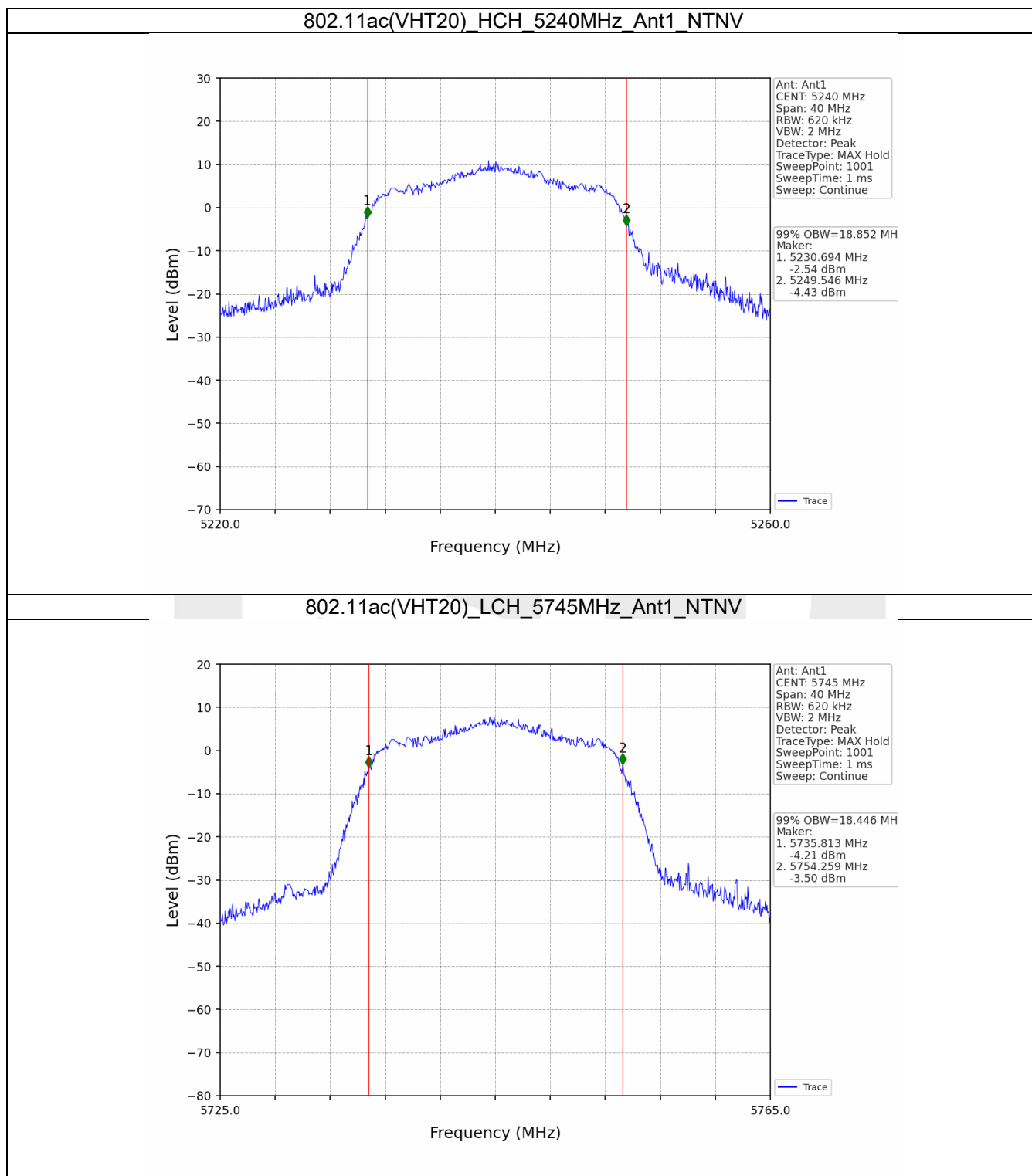


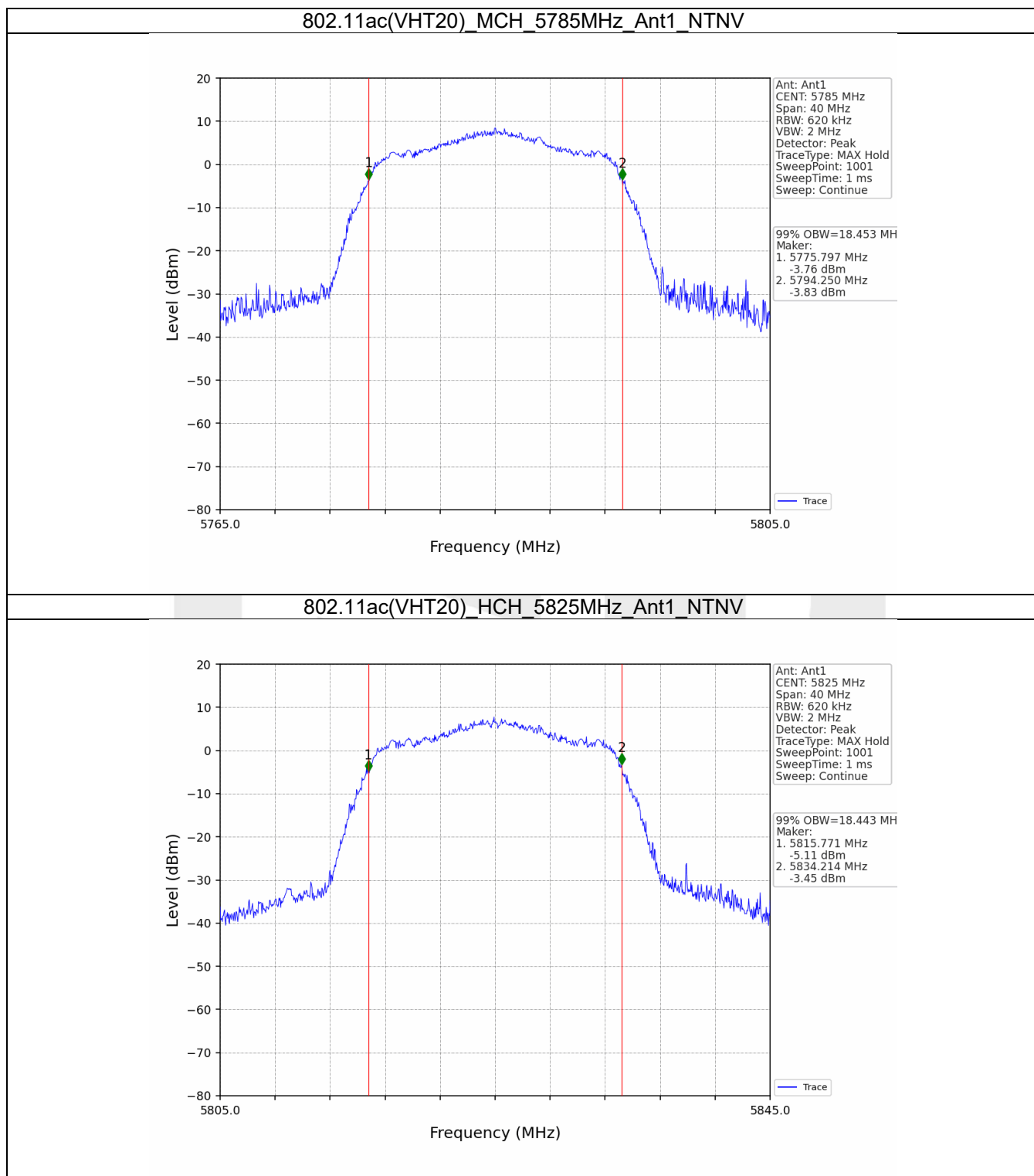


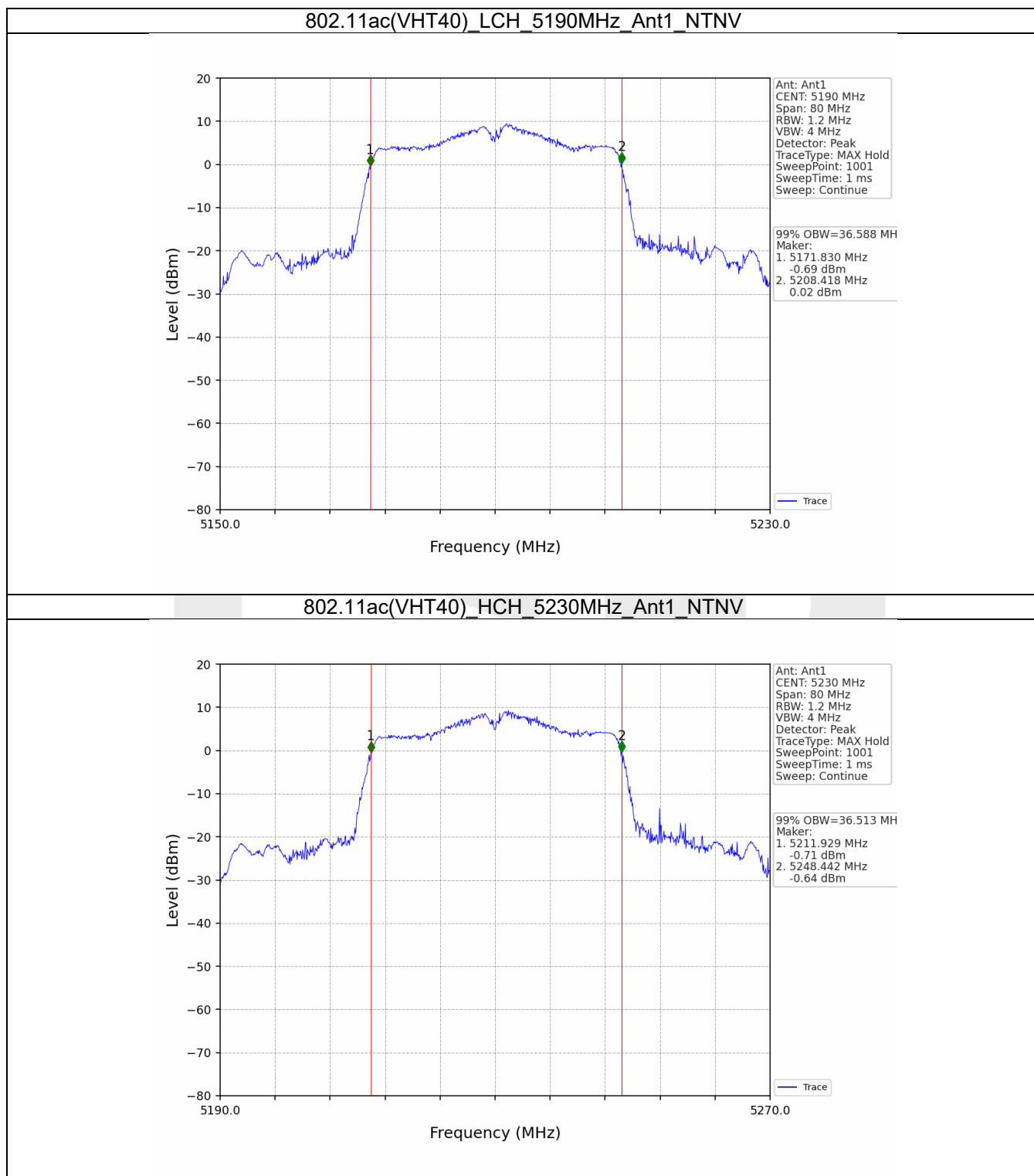


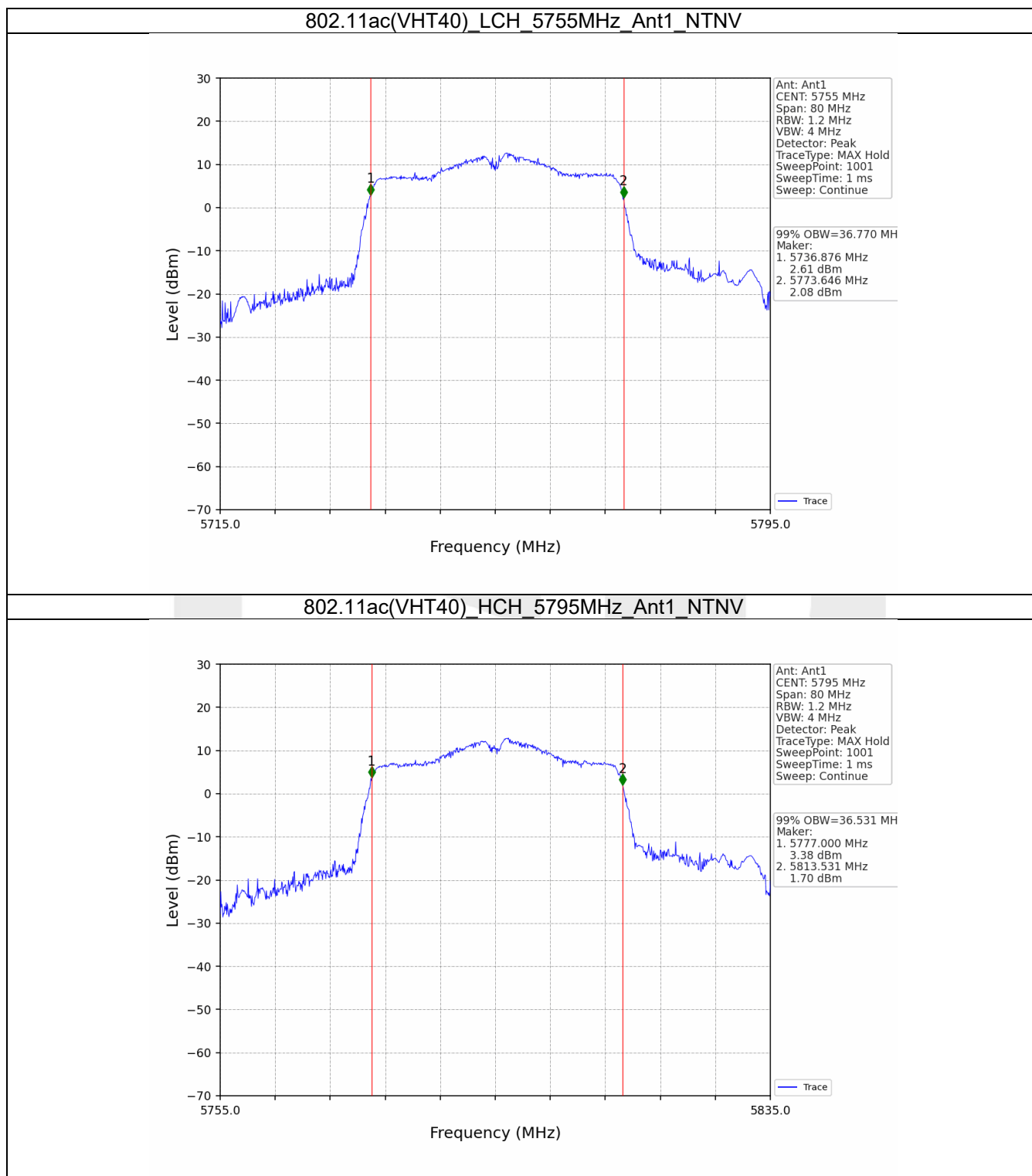


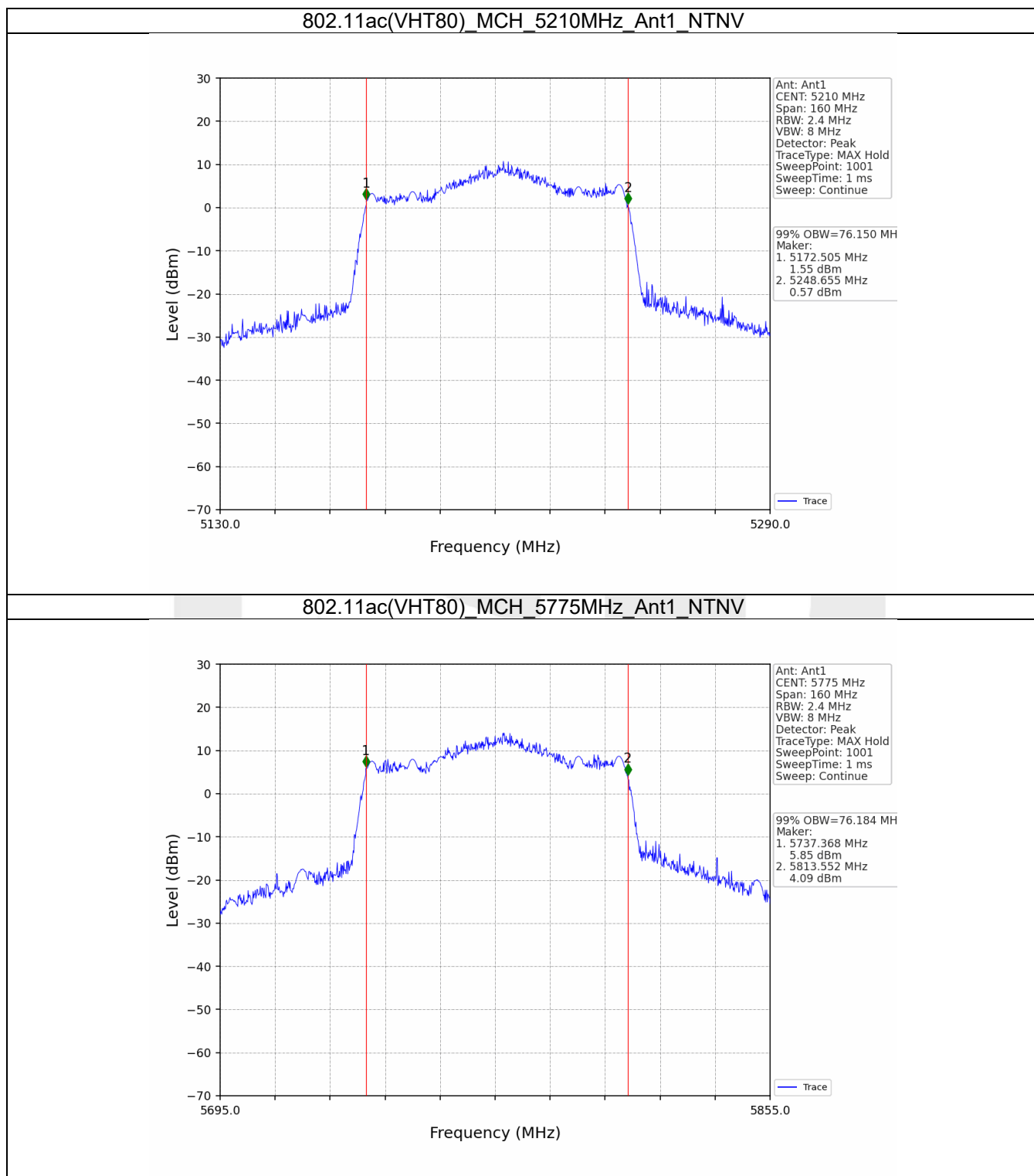


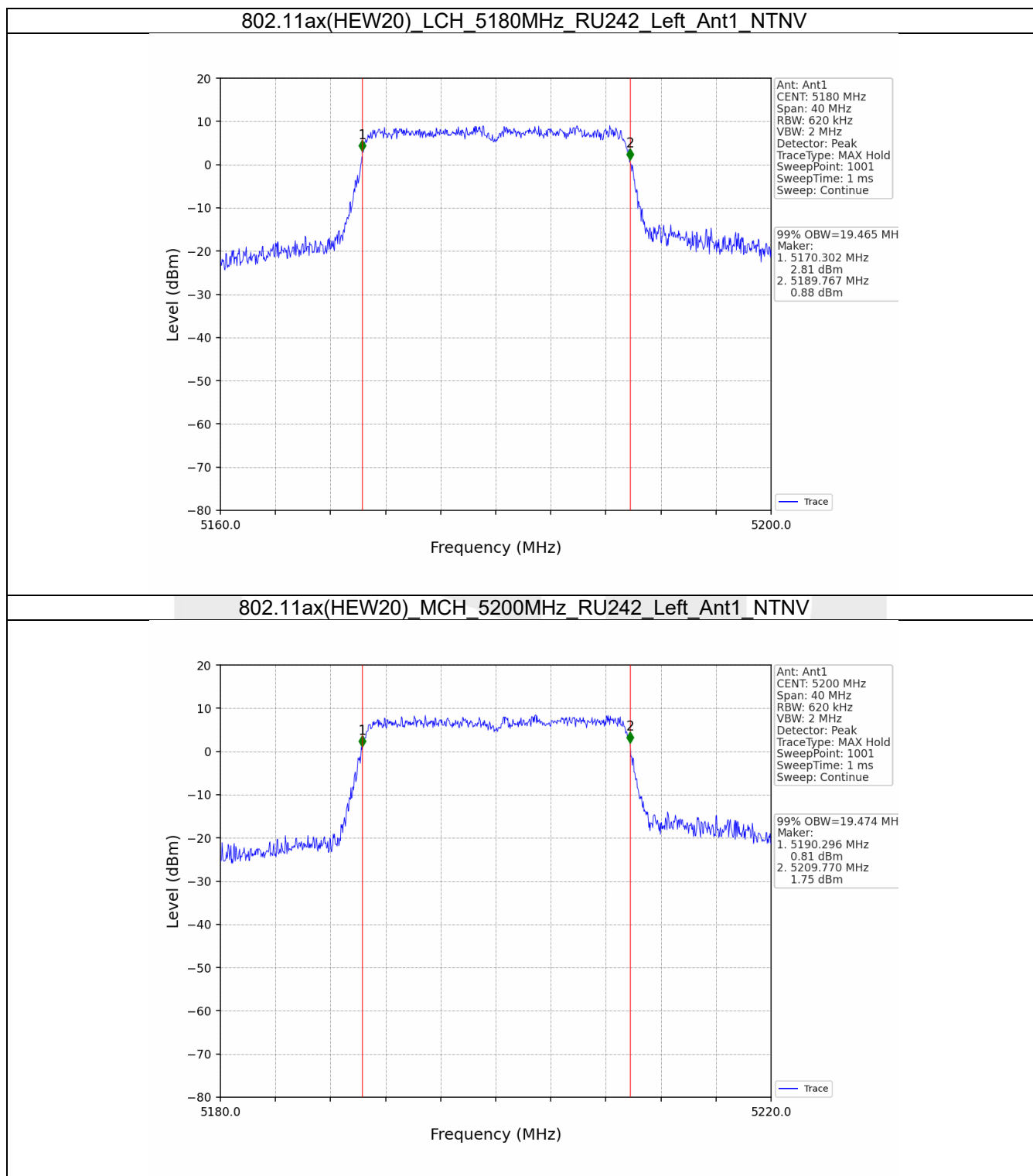


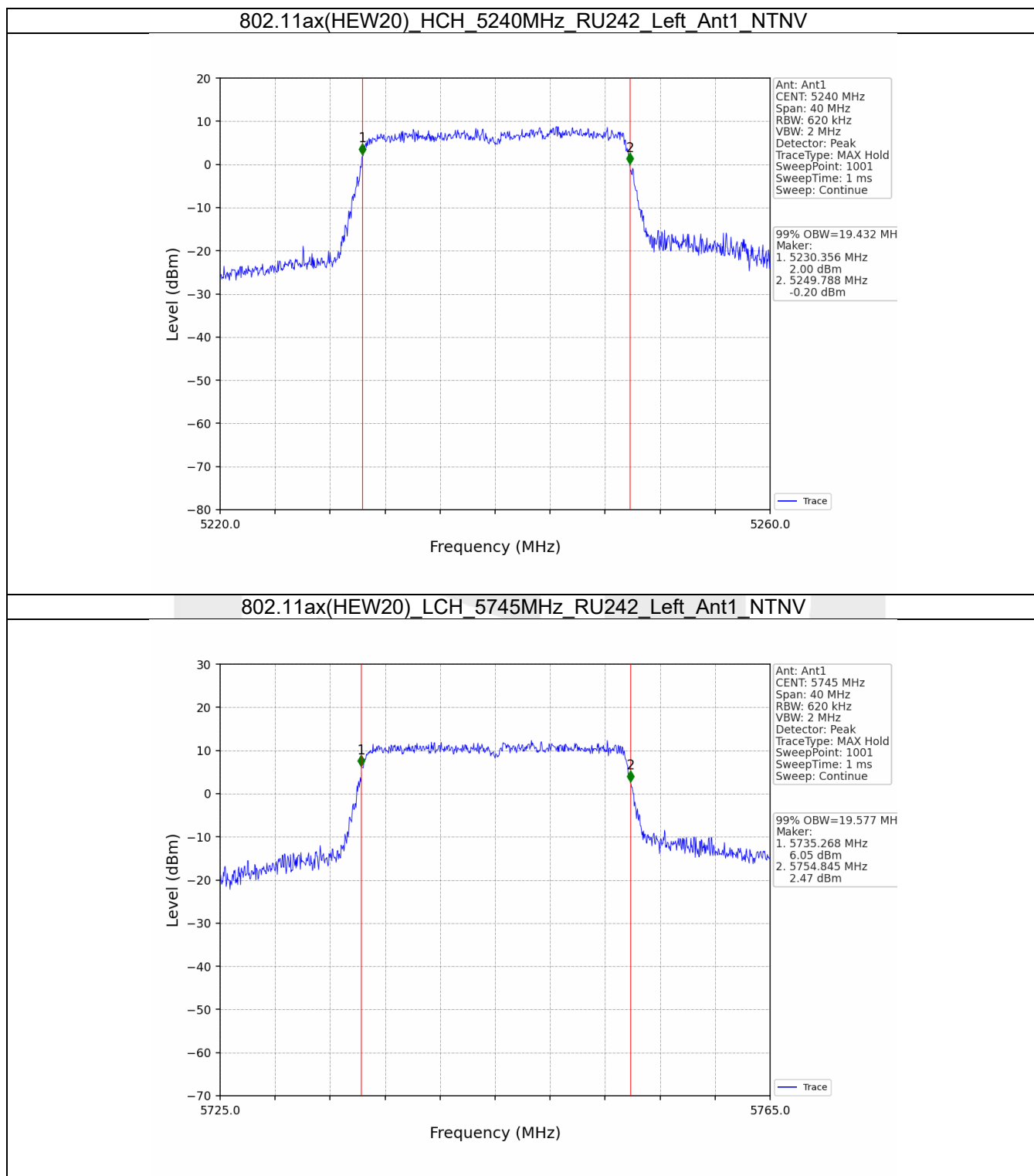


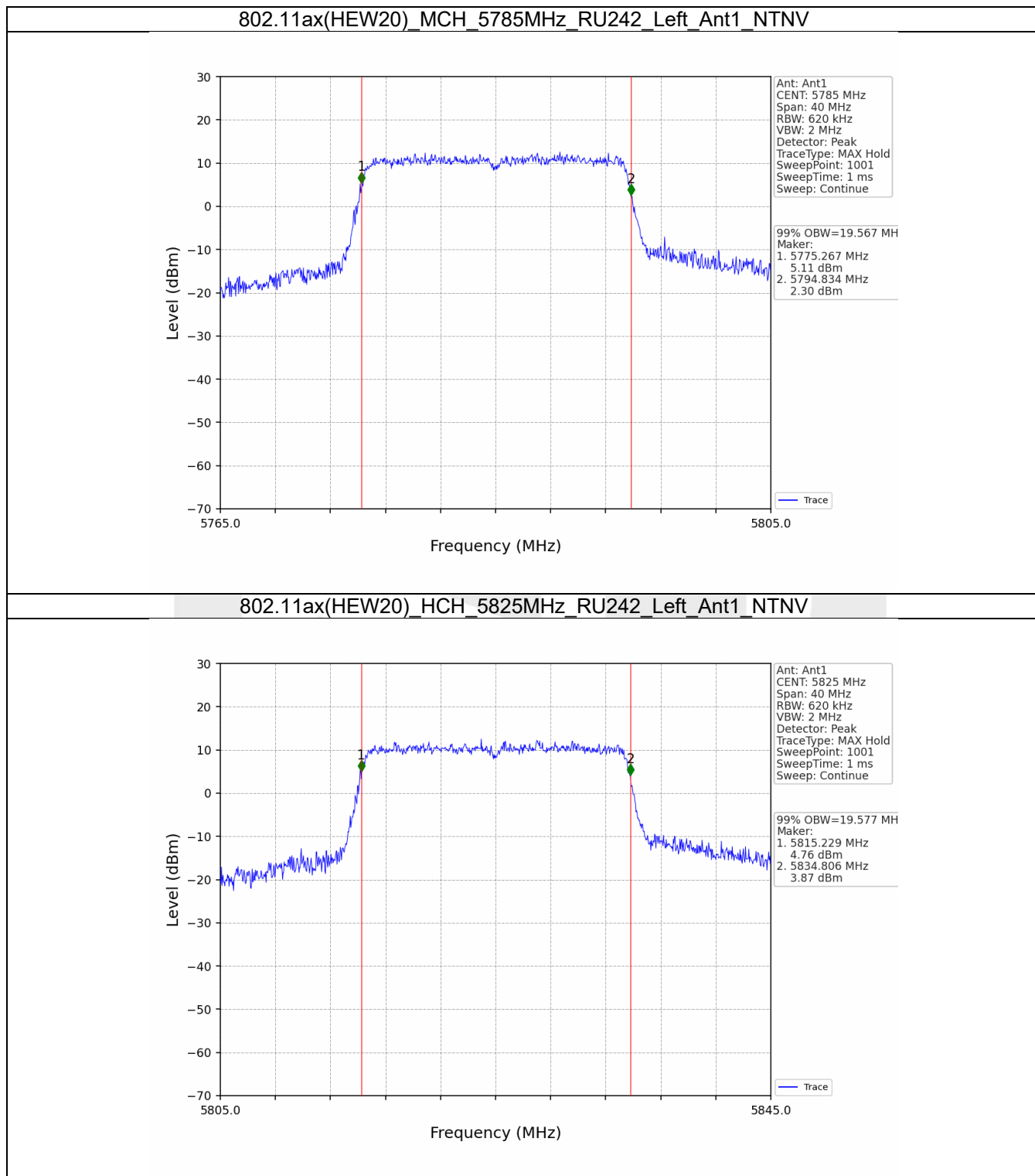


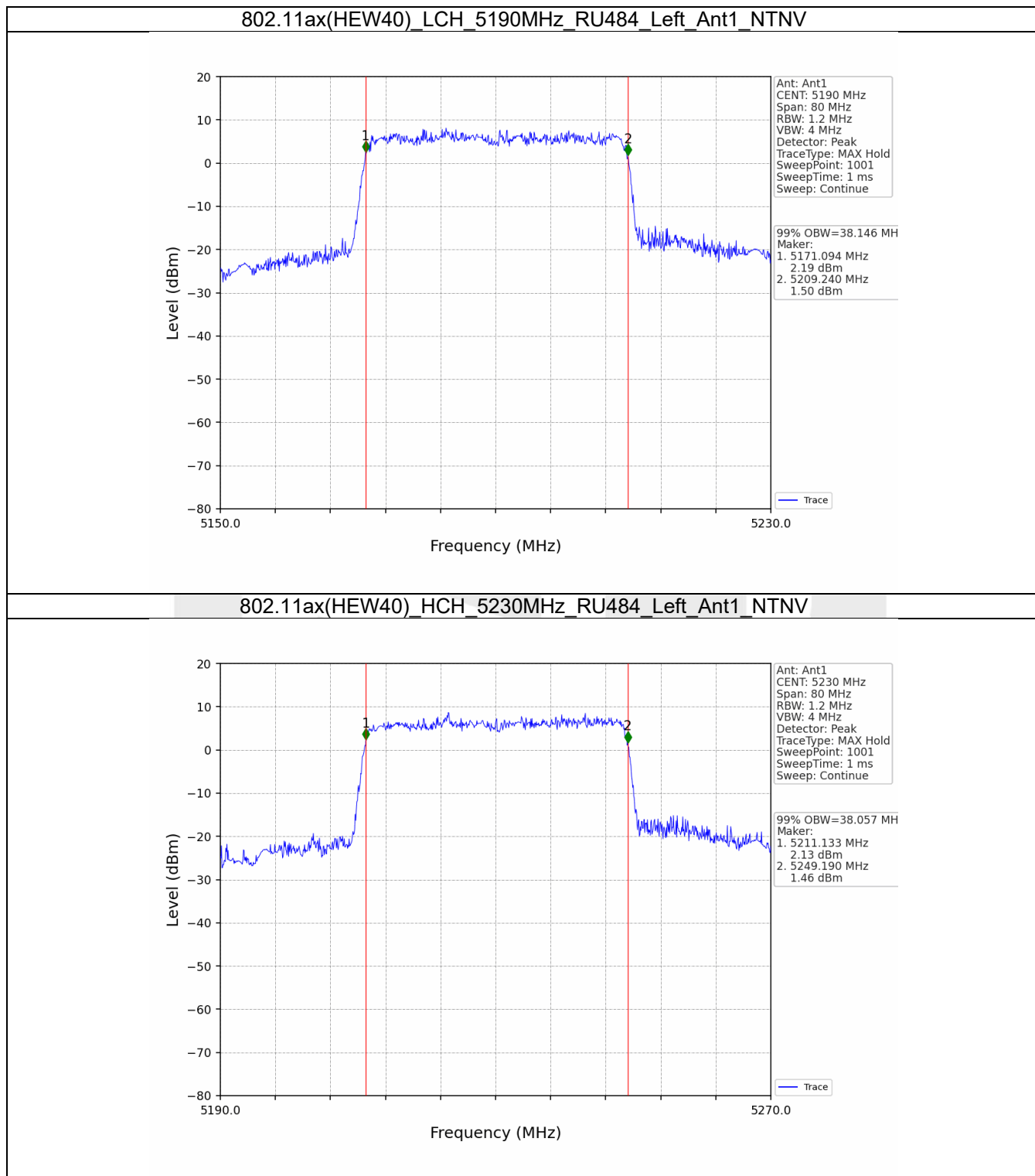


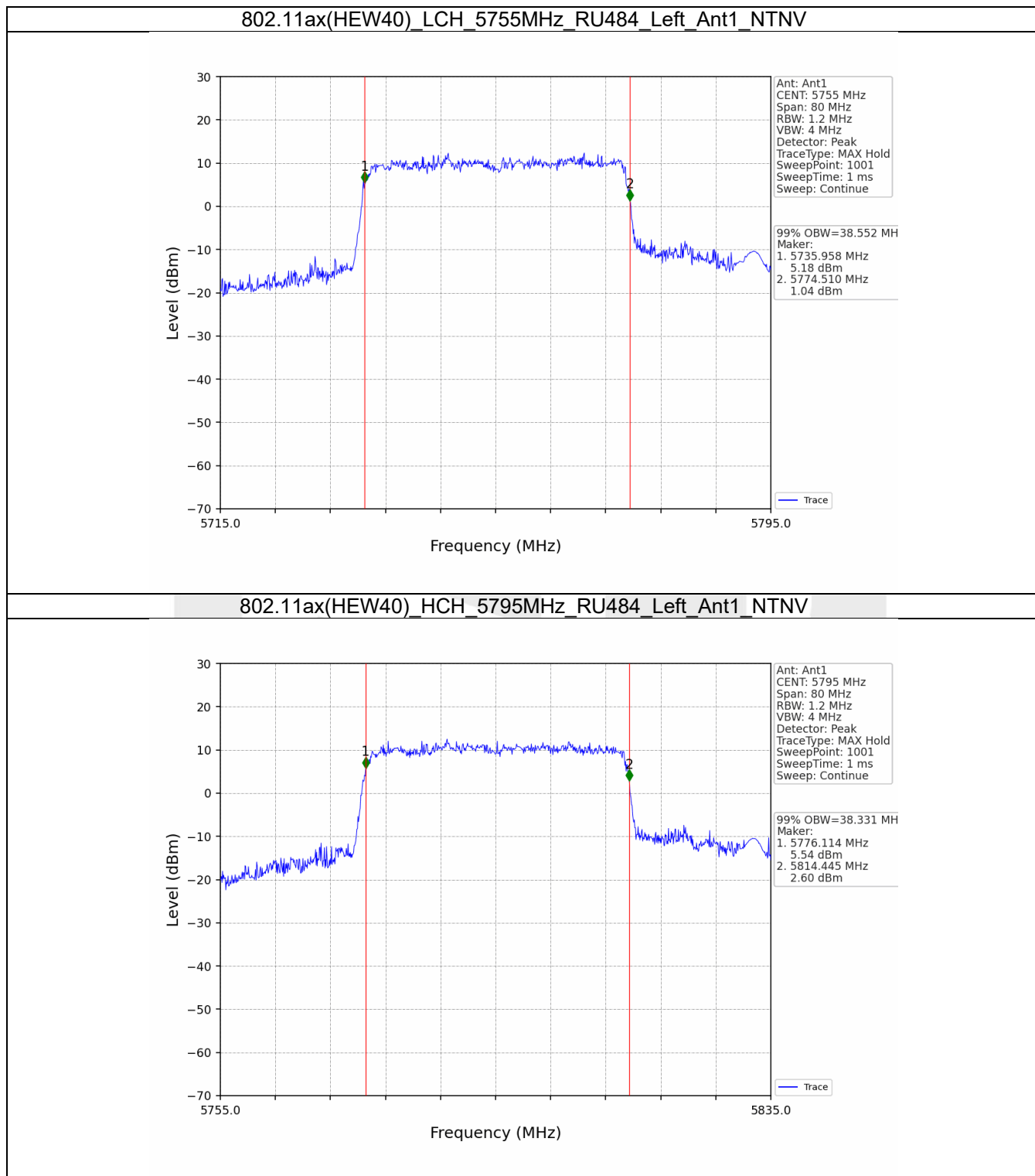


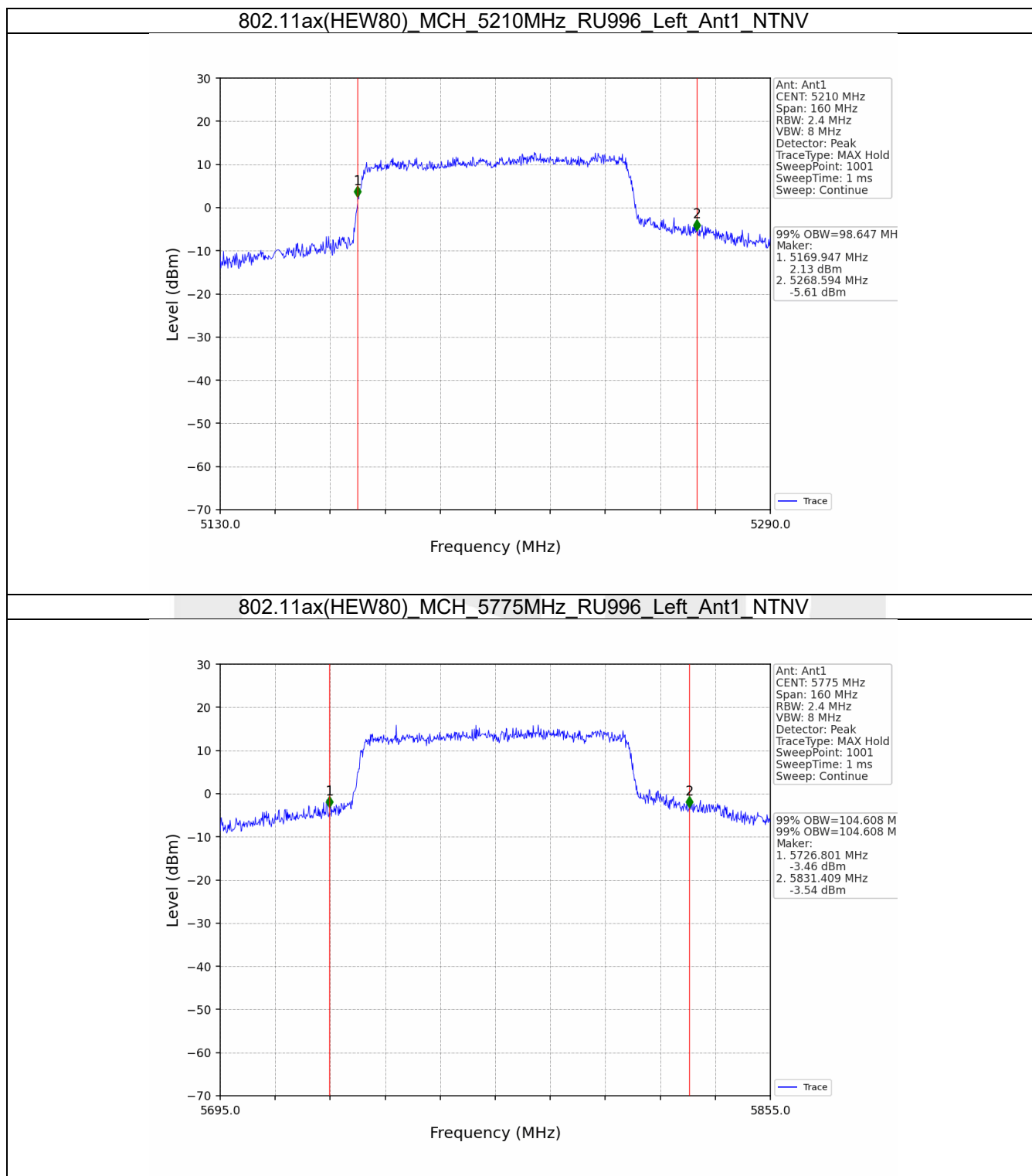




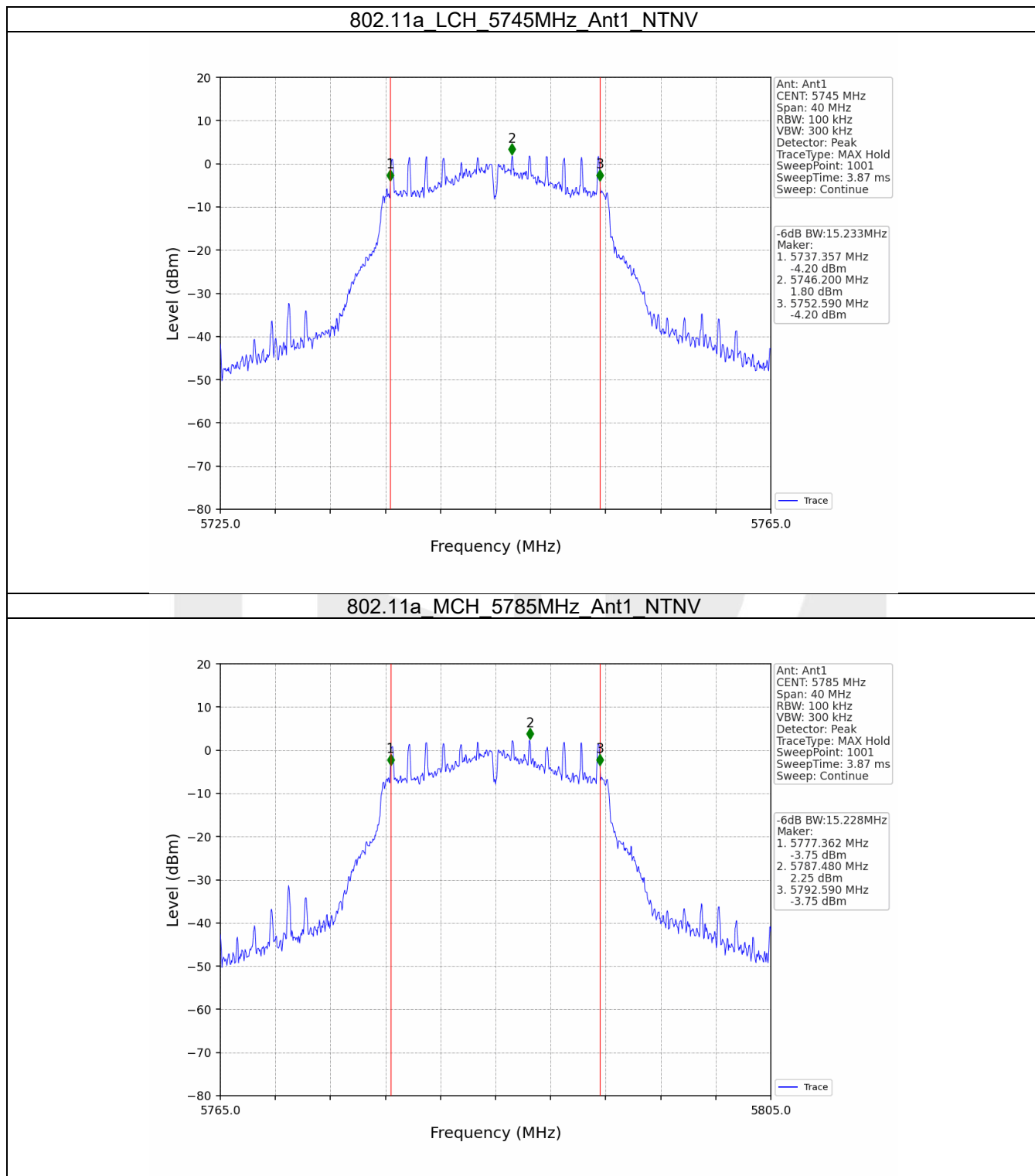


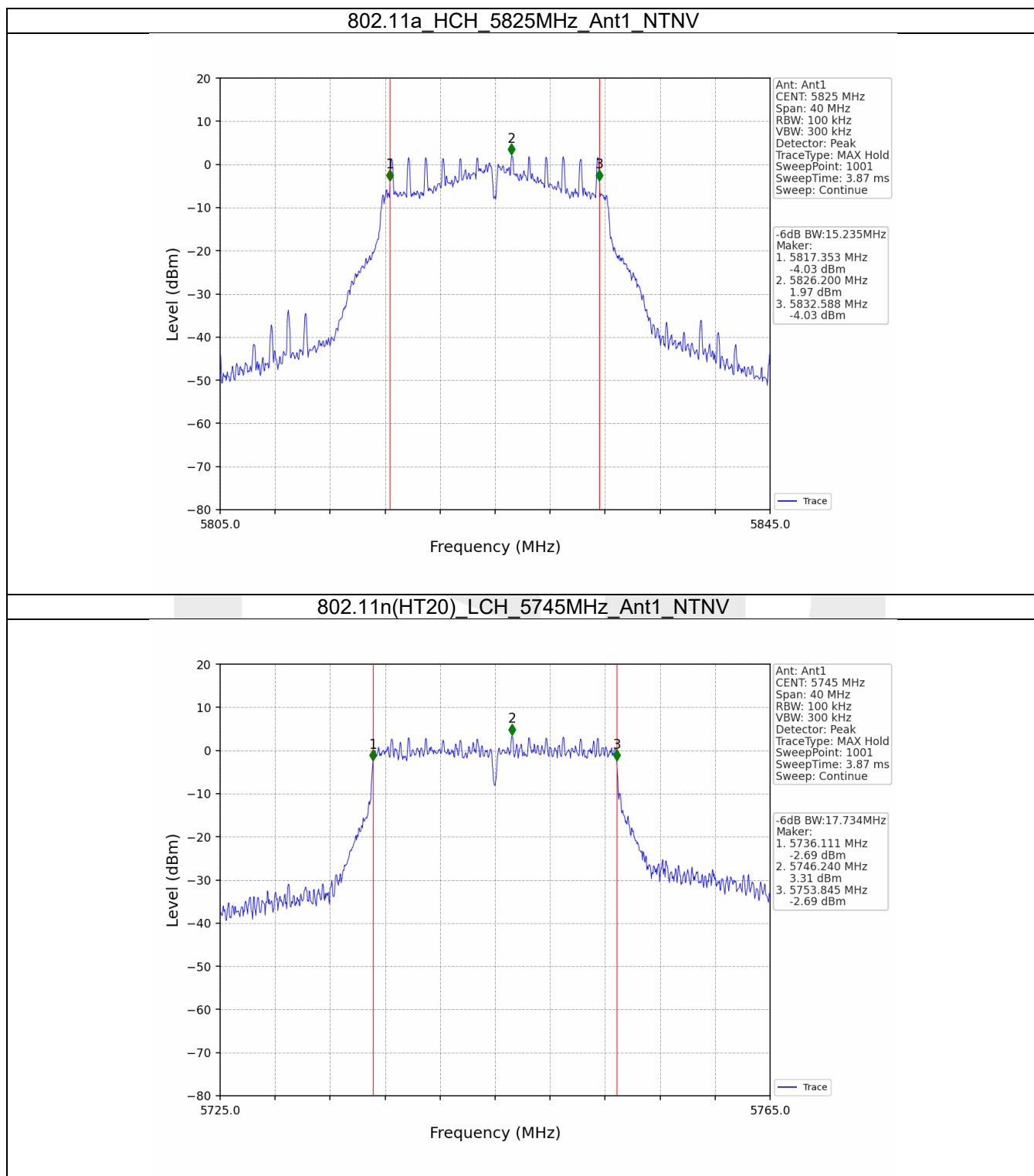


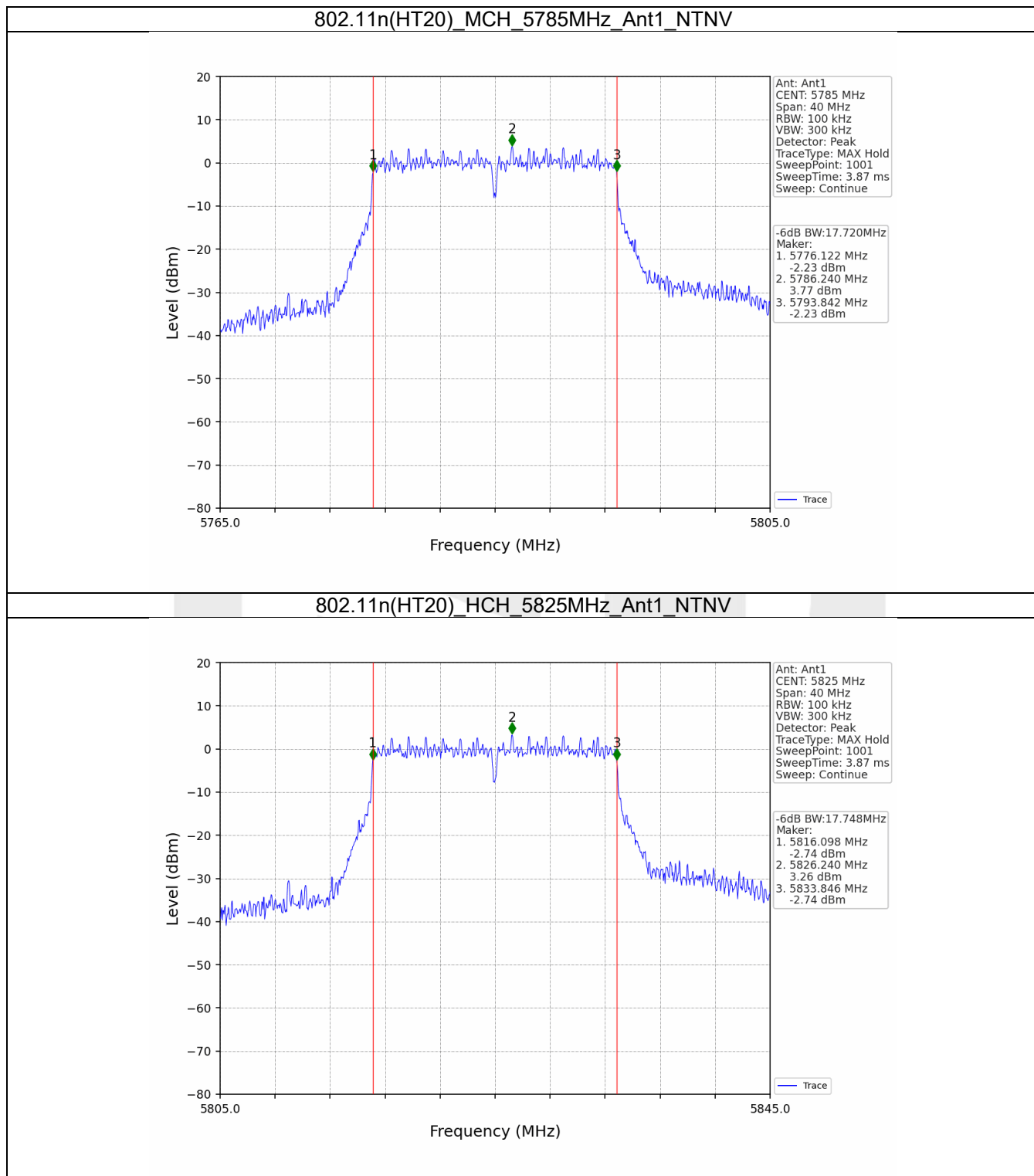


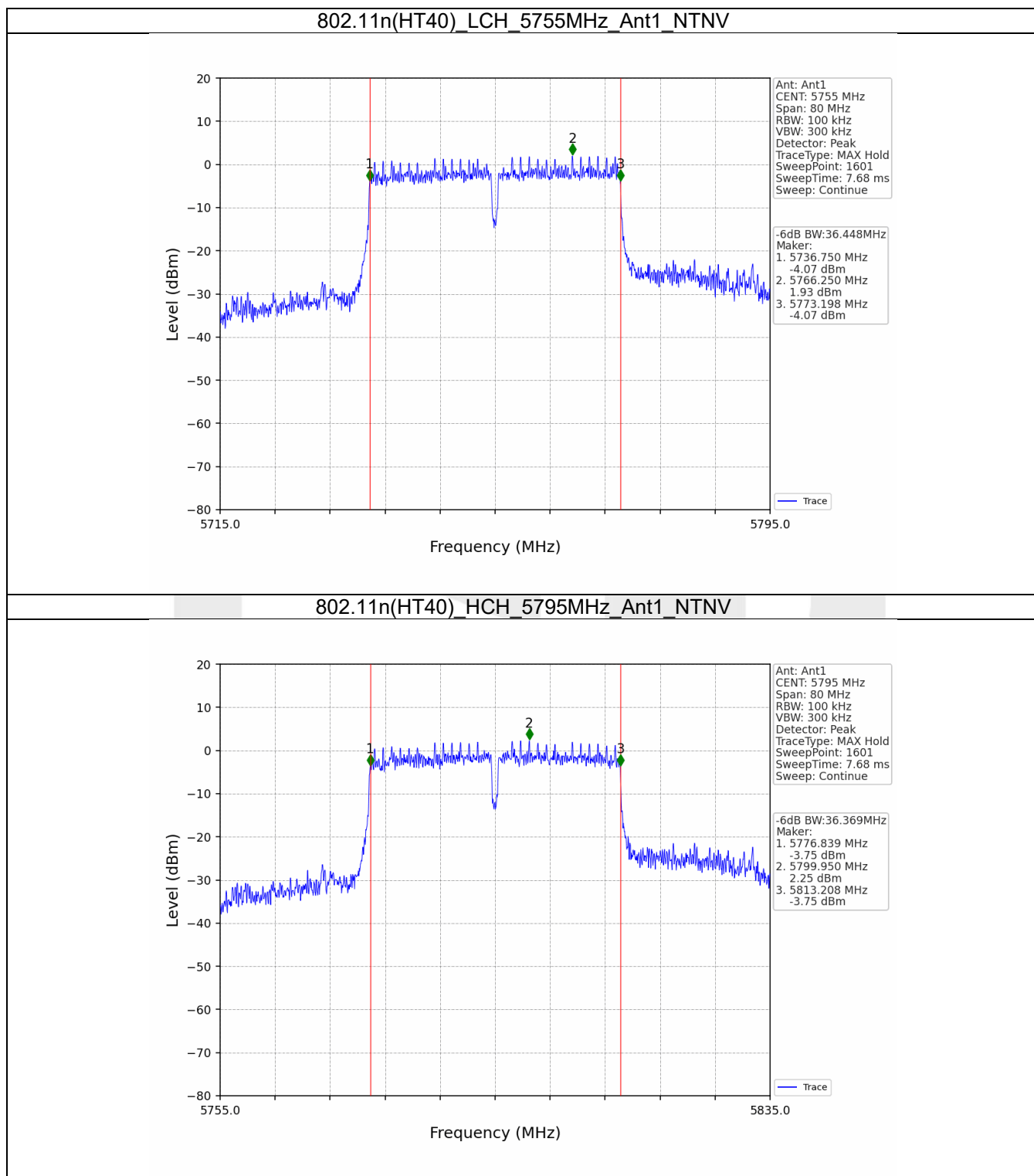


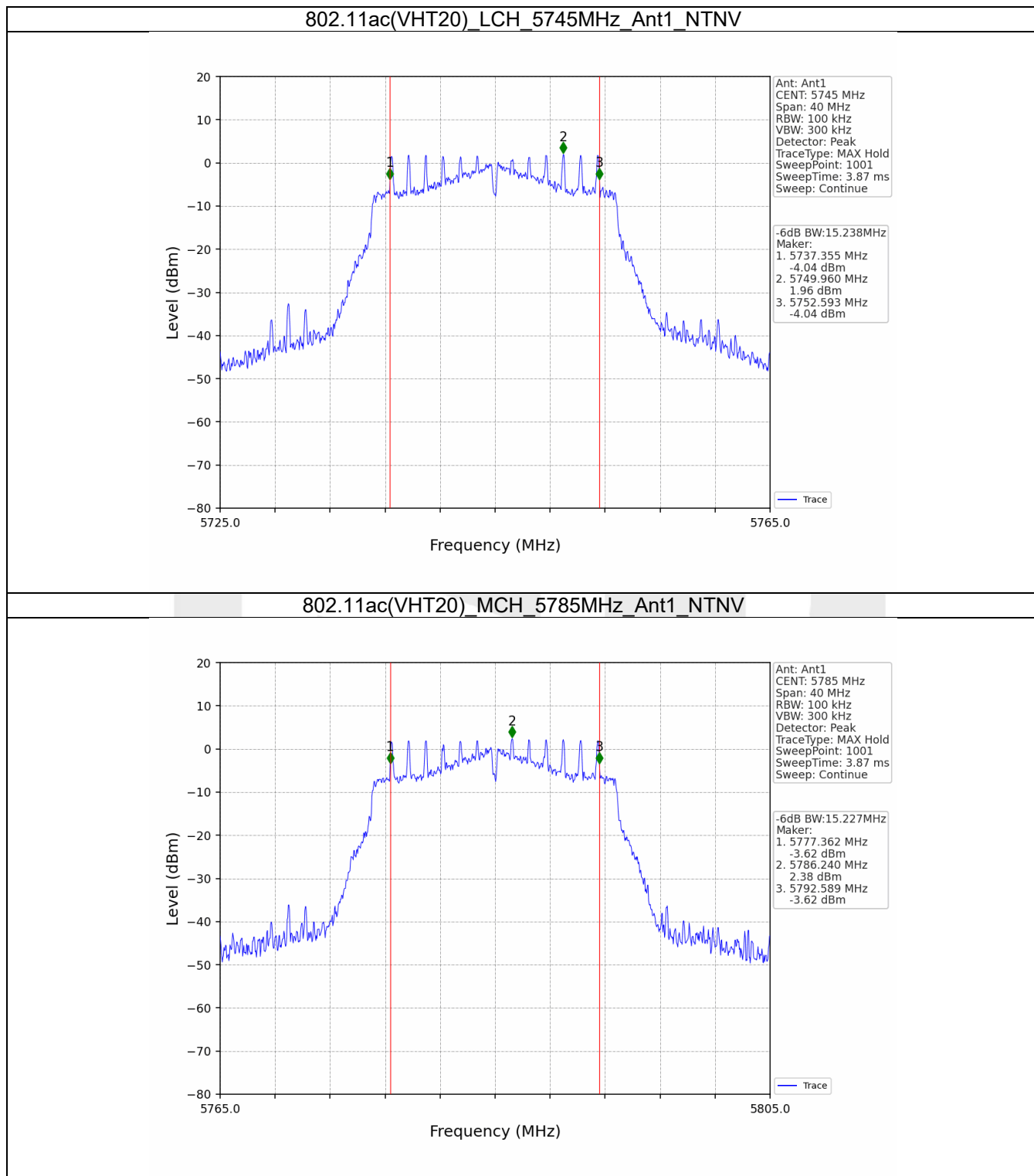
2.2.2 Test Graph

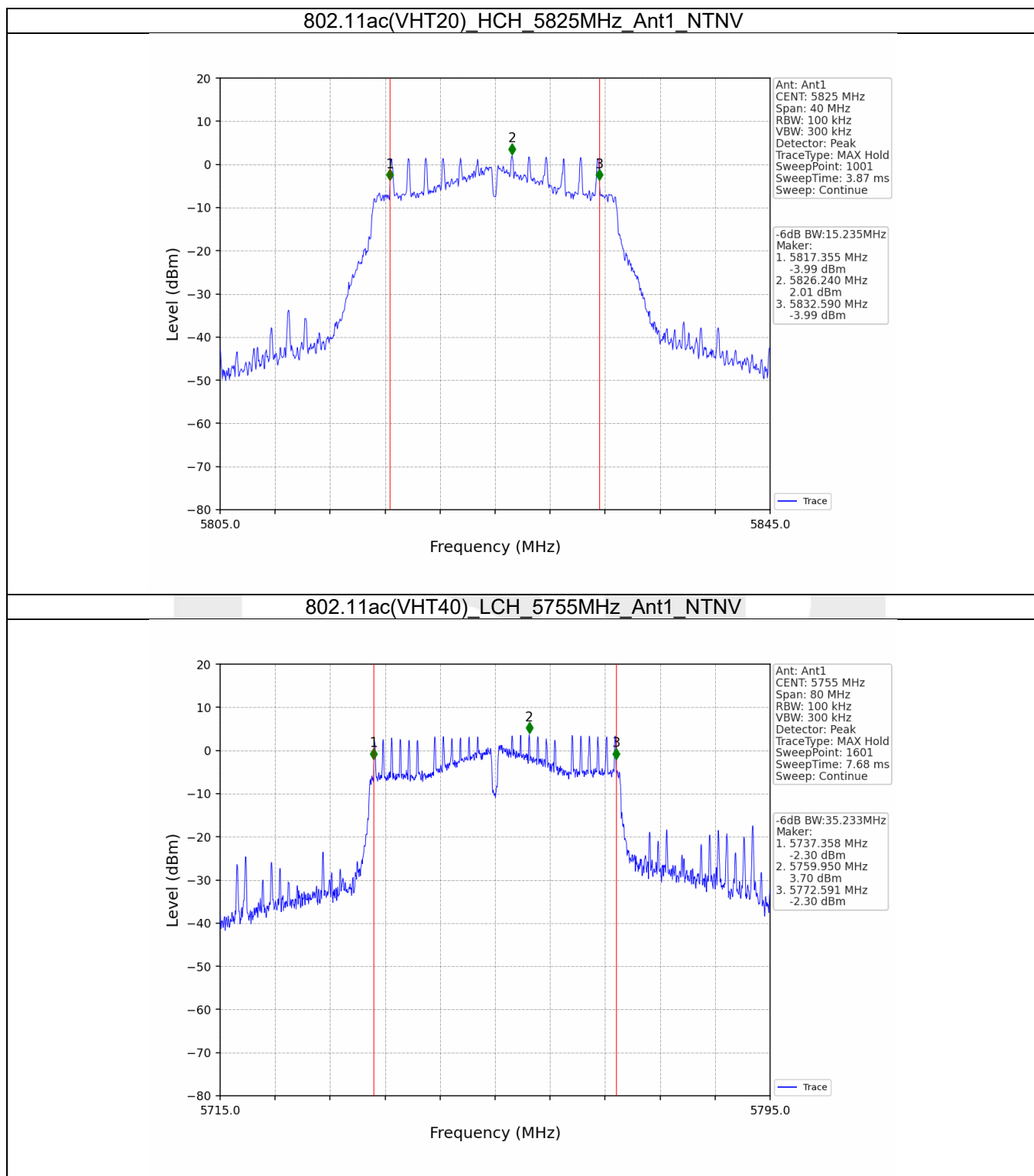


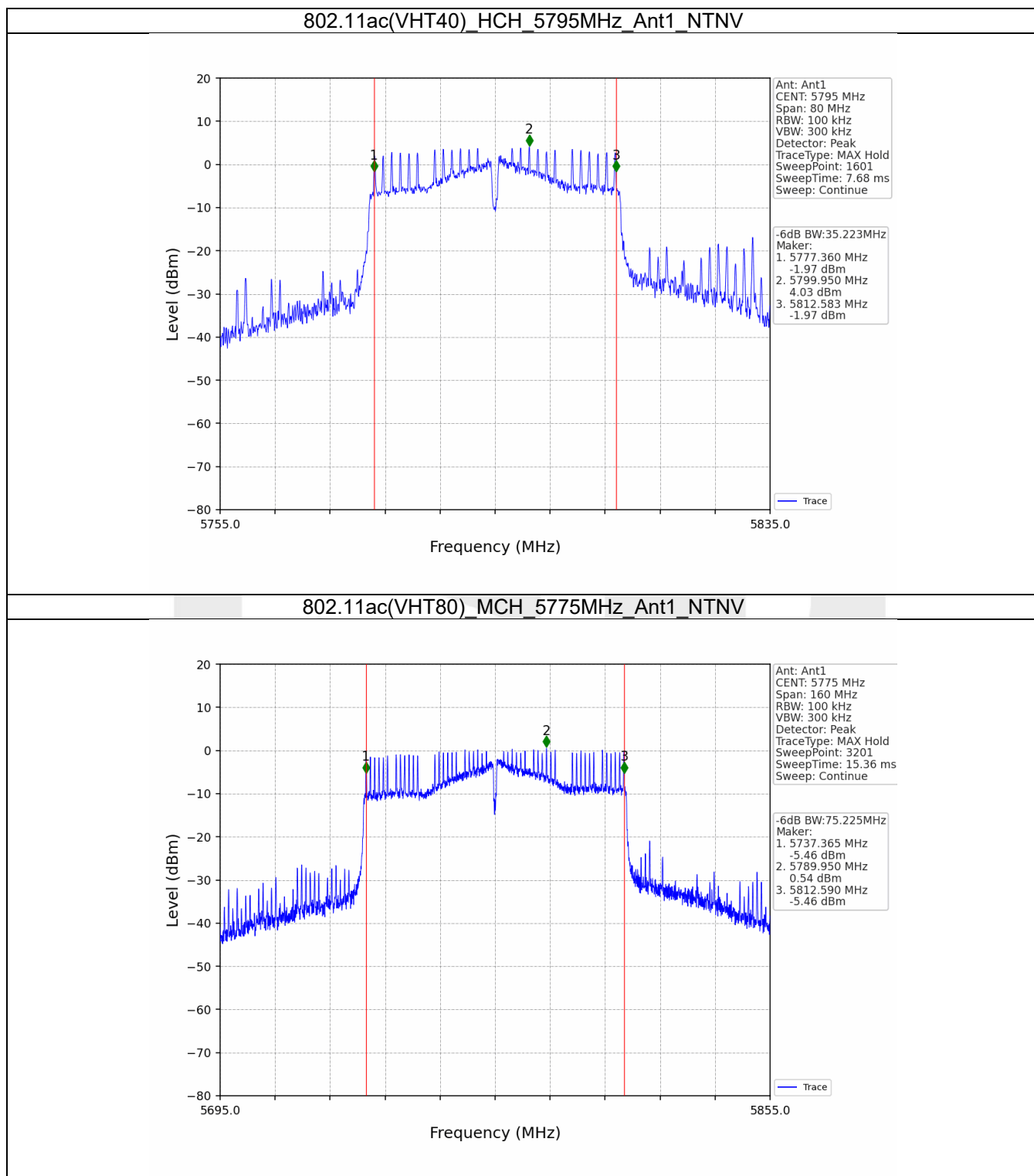


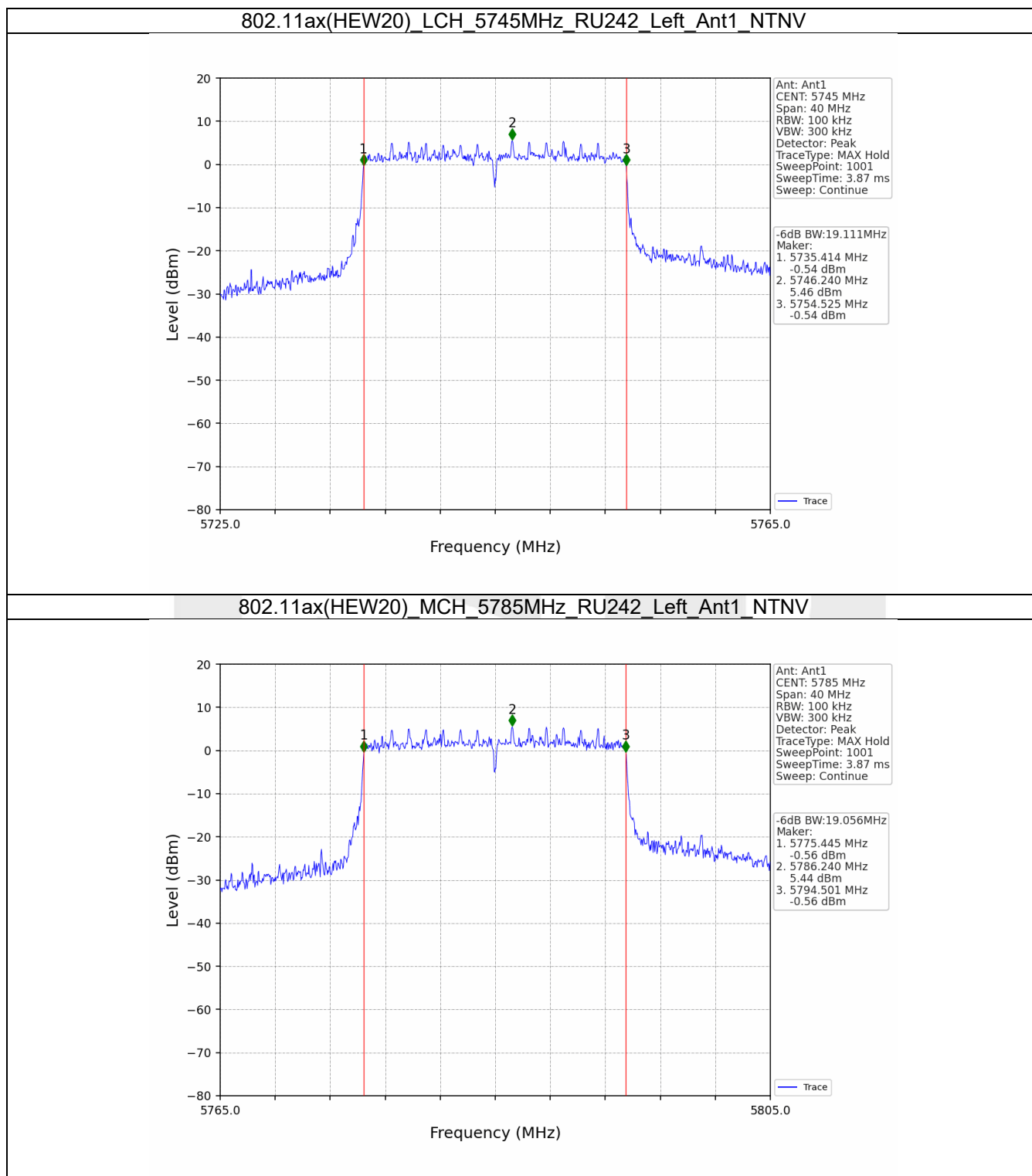


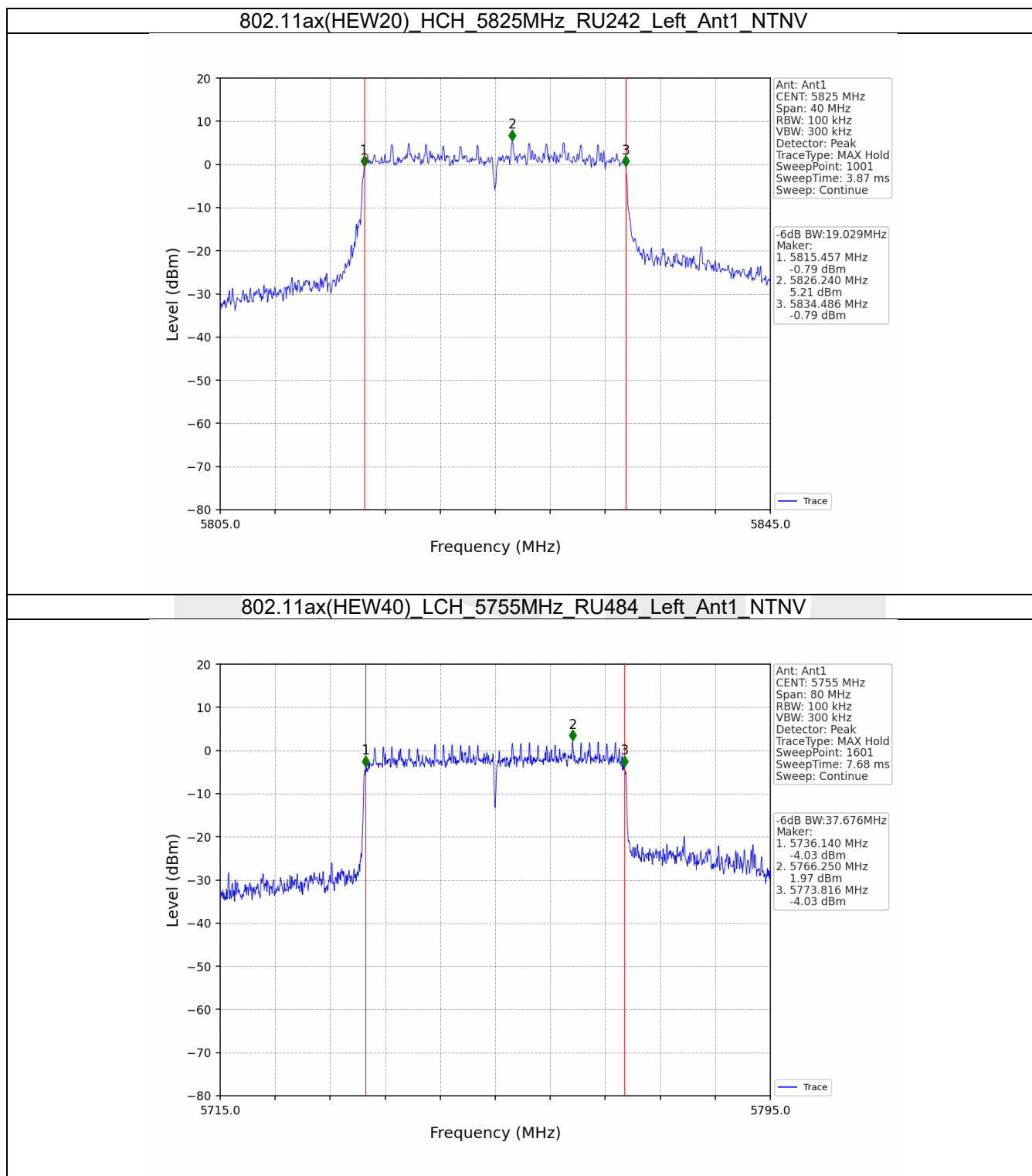


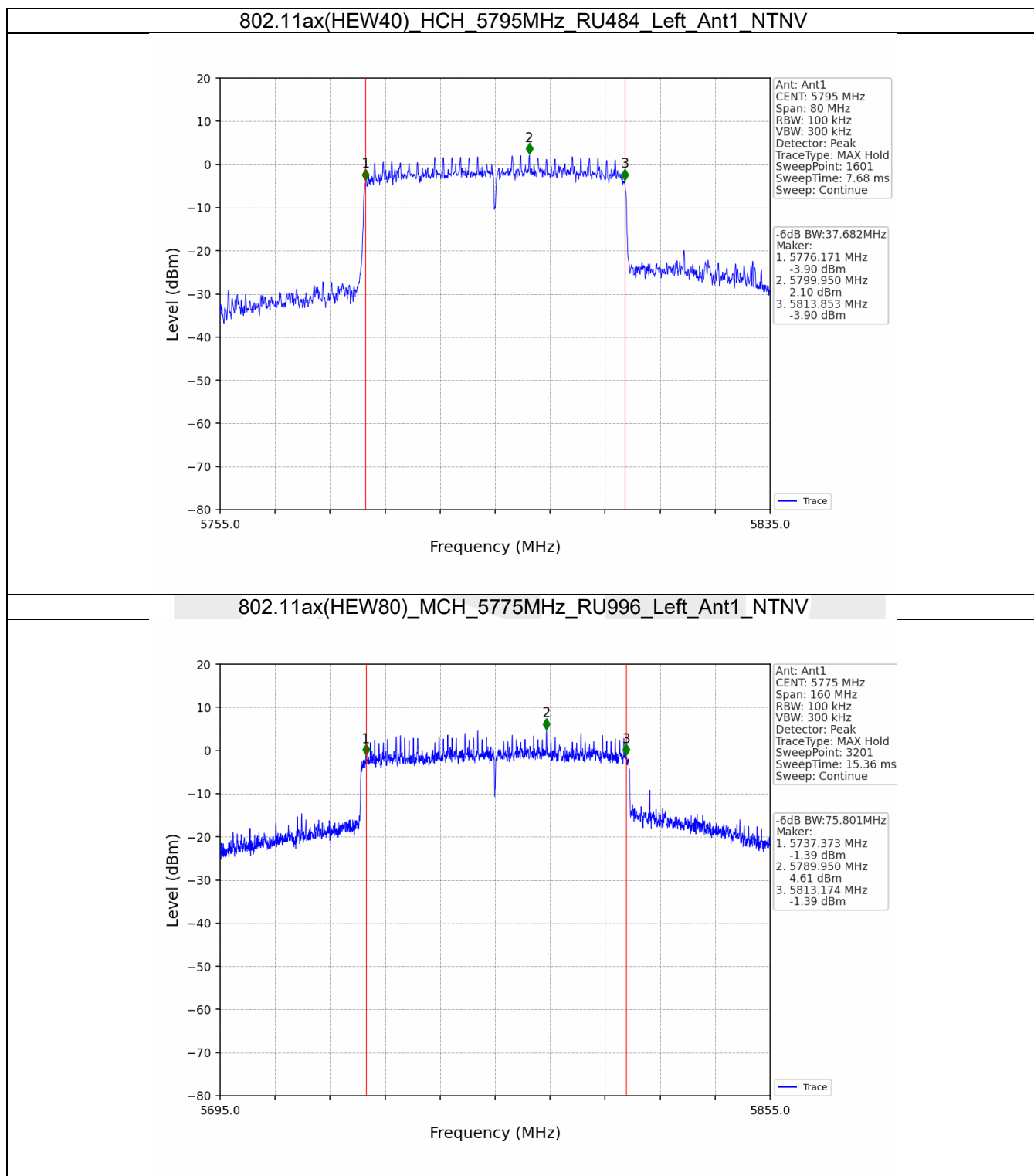












2.3.2 Test Graph

