

ANNEX G TEST DATA

For

Project No.:	8337EU011909W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO., LTD.
Product Description:	Smart Home Screen
Model No.:	SMT1019
FCC ID:	2ABC5-E0119
Technology:	WiFi 5G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-12-25

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass
Frequency Stability	Pass

1. Duty Cycle

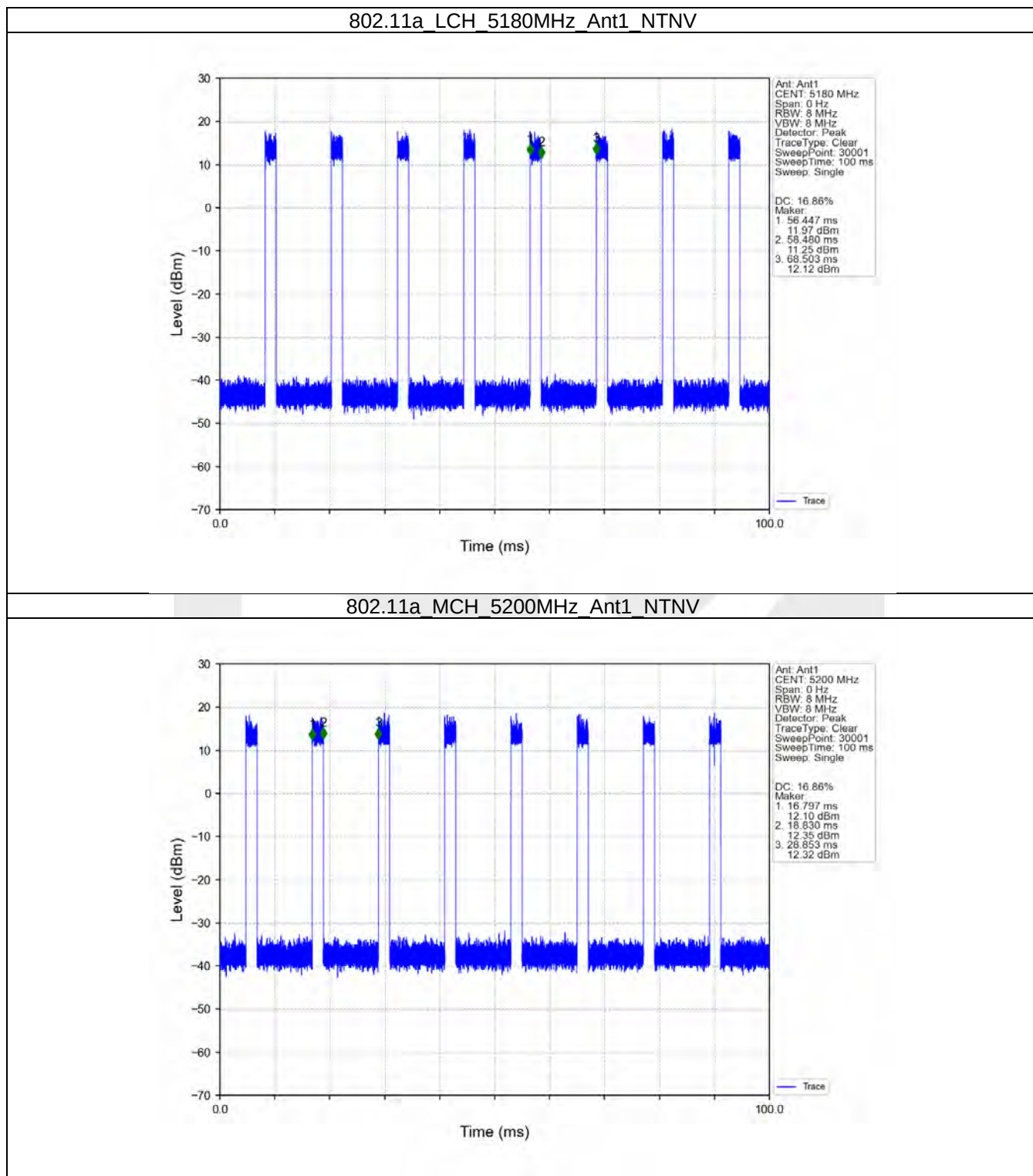
1.1 Test Result

1.1.1 Ant1

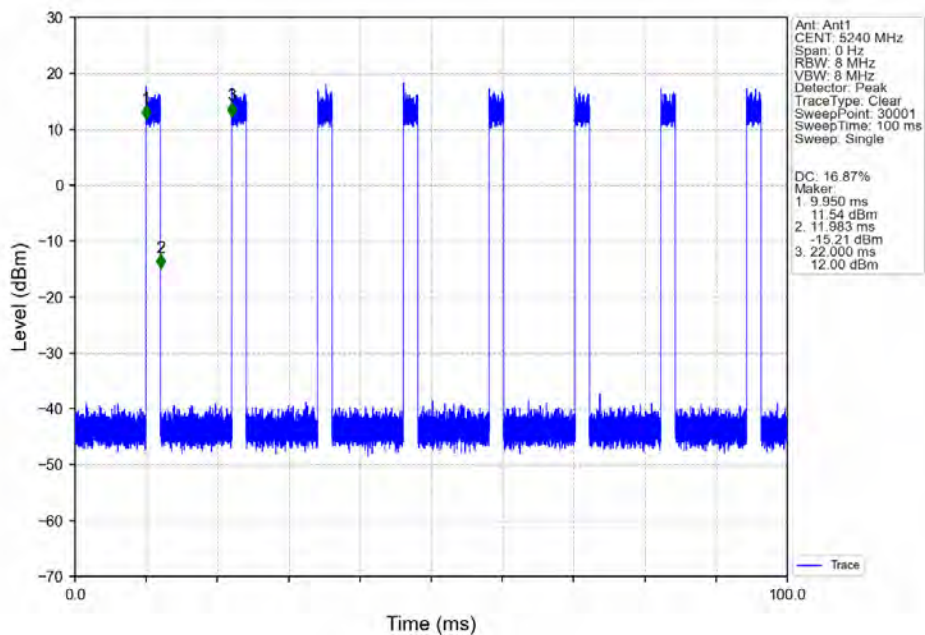
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.033	12.056	16.86	7.73	0.03
		5200	/	/	2.033	12.056	16.86	7.73	0.03
		5240	/	/	2.033	12.050	16.87	7.73	0.03
		5745	/	/	2.033	12.050	16.87	7.73	0.02
		5785	/	/	2.034	12.054	16.87	7.73	0.03
		5825	/	/	2.034	12.054	16.87	7.73	0.00
802.11n (HT20)	SISO	5180	/	/	1.897	11.913	15.92	7.98	0.00
		5200	/	/	1.893	11.913	15.89	7.99	0.02
		5240	/	/	1.894	11.914	15.90	7.99	0.03
		5745	/	/	1.893	11.913	15.89	7.99	0.03
		5785	/	/	1.893	11.913	15.89	7.99	0.03
		5825	/	/	1.893	11.917	15.88	7.99	0.04
802.11n (HT40)	SISO	5190	/	/	0.934	10.950	8.53	10.69	0.03
		5230	/	/	0.934	10.954	8.53	10.69	0.00
		5755	/	/	0.933	10.953	8.52	10.70	0.03
		5795	/	/	0.934	10.950	8.53	10.69	0.03
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.917	15.94	7.97	0.03
		5200	/	/	1.900	11.920	15.94	7.98	0.03
		5240	/	/	1.900	11.917	15.94	7.97	0.03
		5745	/	/	1.900	11.920	15.94	7.98	0.03
		5785	/	/	1.900	11.916	15.94	7.97	0.03
		5825	/	/	1.900	11.923	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.936	10.956	8.54	10.68	0.03
		5230	/	/	0.936	10.953	8.55	10.68	0.03
		5755	/	/	0.937	10.960	8.55	10.68	0.03
		5795	/	/	0.936	10.956	8.54	10.68	0.03
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.477	4.36	13.60	0.03
		5775	/	/	0.457	10.480	4.36	13.60	0.03
802.11ax (HEW20)	SISO	5180	SU	/	1.463	11.483	12.74	8.95	0.03
		5200	SU	/	1.463	11.480	12.74	8.95	0.03
		5240	SU	/	1.464	11.484	12.75	8.95	0.03
		5745	SU	/	1.463	11.543	12.67	8.97	0.07
		5785	SU	/	1.463	11.976	12.22	9.13	0.53
		5825	SU	/	1.464	11.487	12.74	8.95	0.03
802.11ax (HEW40)	SISO	5190	SU	/	0.760	10.777	7.05	11.52	0.03
		5230	SU	/	0.763	10.780	7.08	11.50	0.00
		5755	SU	/	0.760	10.780	7.05	11.52	0.03
		5795	SU	/	0.763	10.797	7.07	11.51	0.01
802.11ax (HEW80)	SISO	5210	SU	/	0.393	10.413	3.77	14.23	0.03
		5775	SU	/	0.394	10.414	3.78	14.22	0.03

1.2 Test Graph

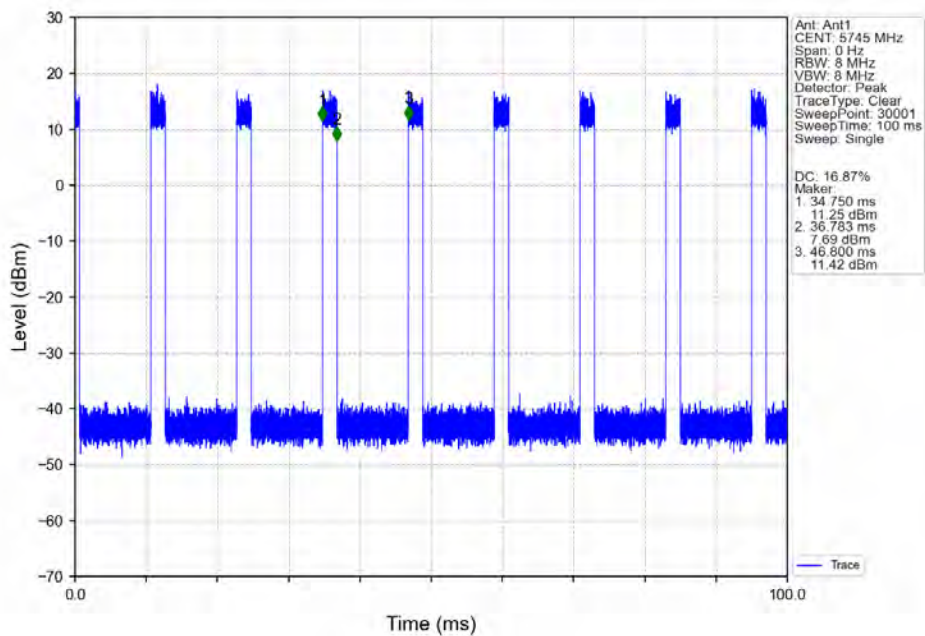
1.2.1 Ant1



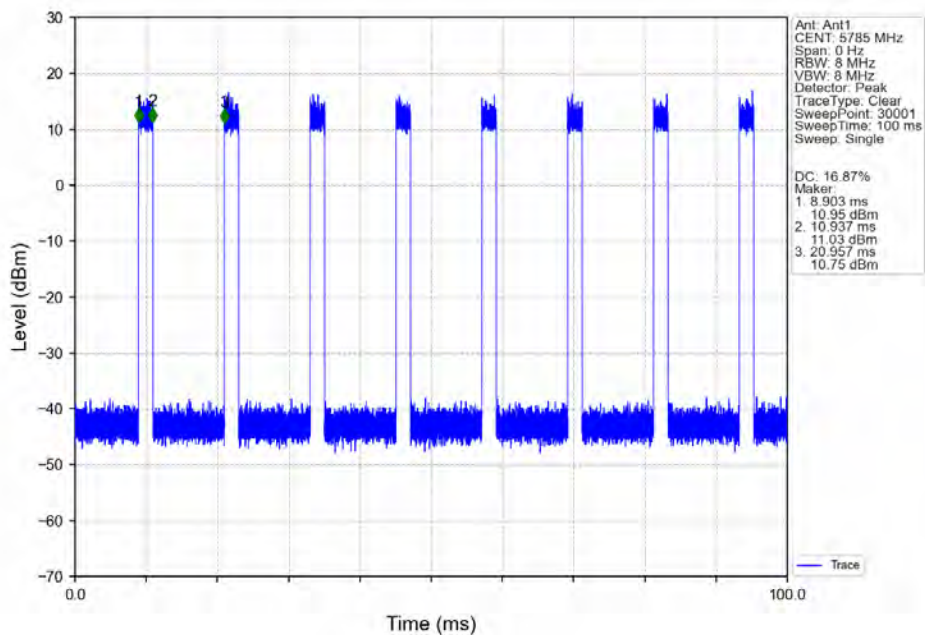
802.11a_HCH_5240MHz_Ant1_NTNV



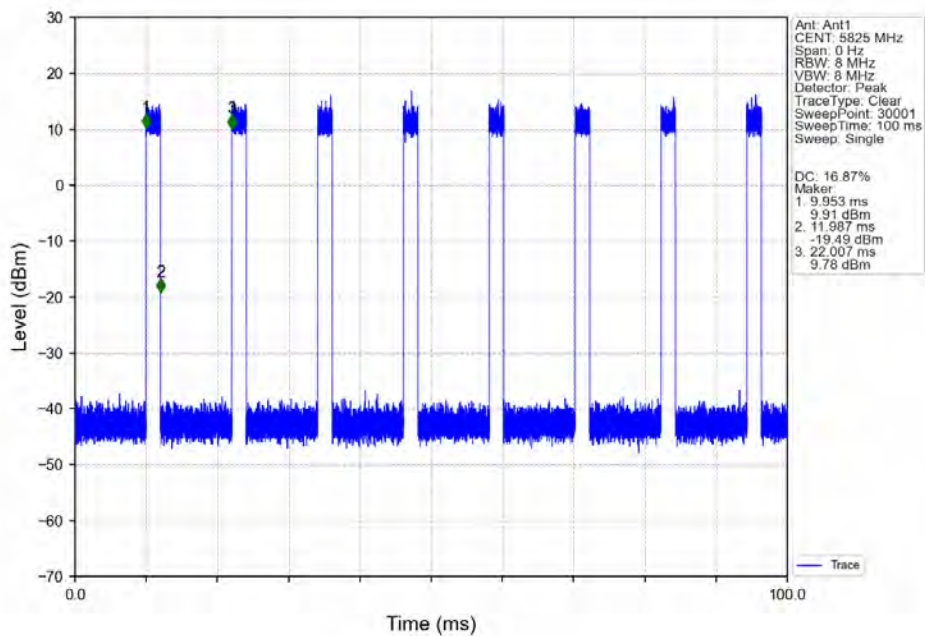
802.11a_LCH_5745MHz_Ant1_NTNV



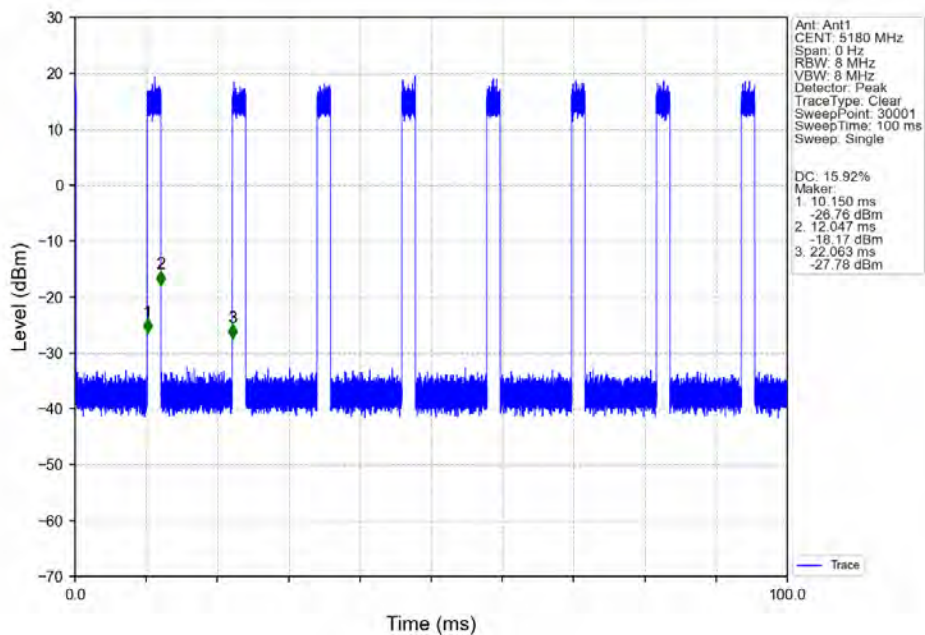
802.11a_MCH_5785MHz_Ant1_NTNV



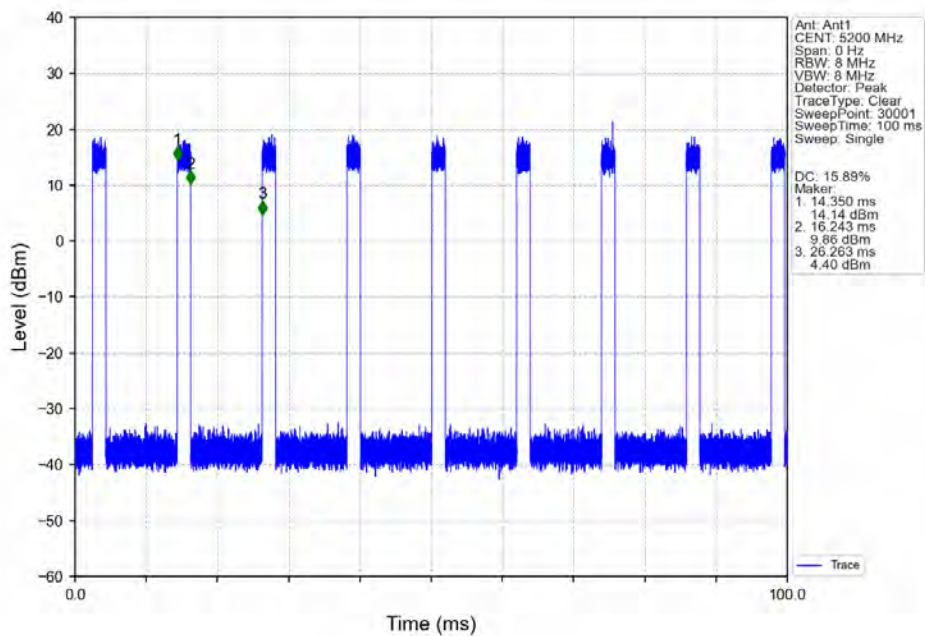
802.11a_HCH_5825MHz_Ant1_NTNV



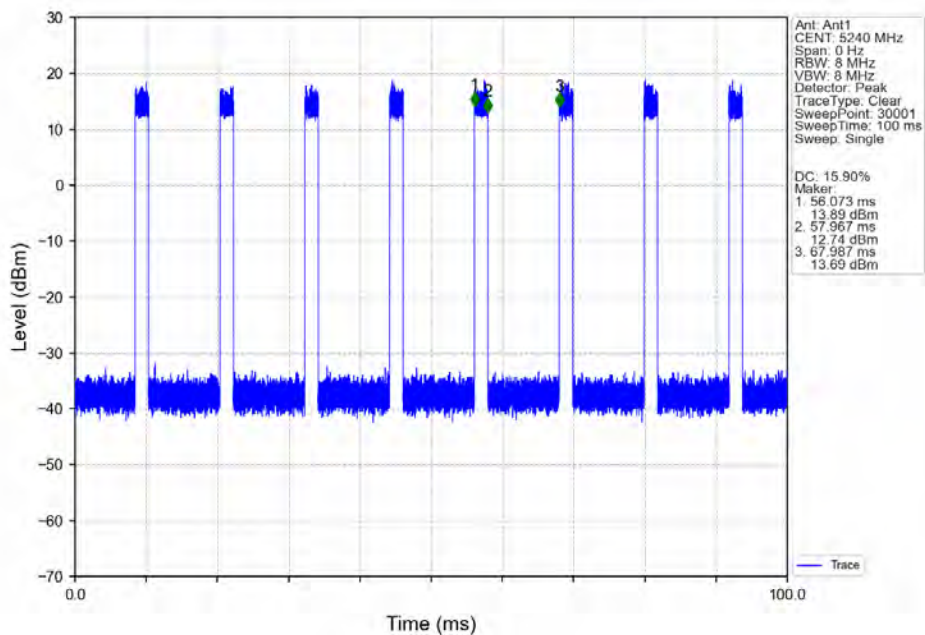
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



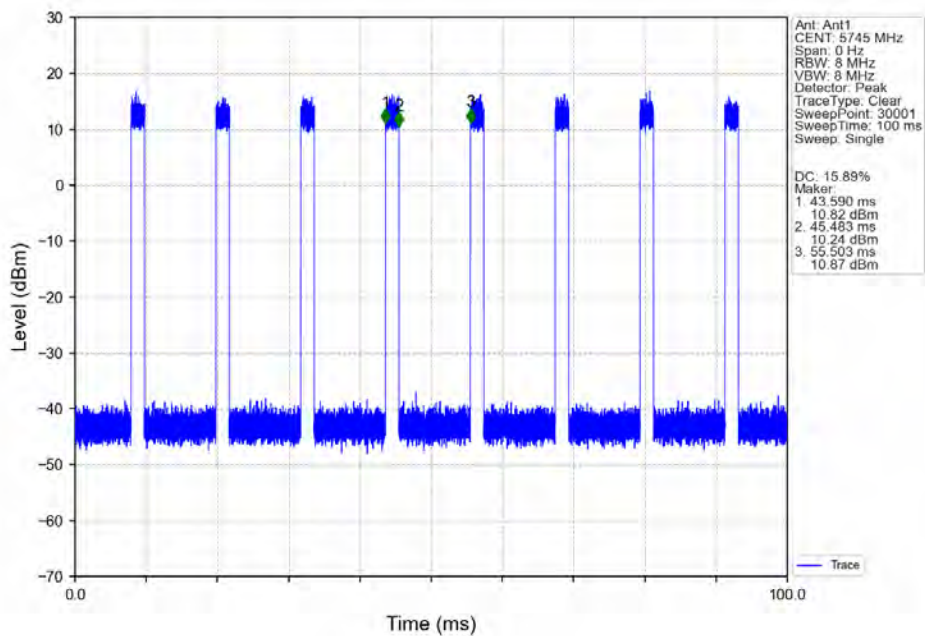
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



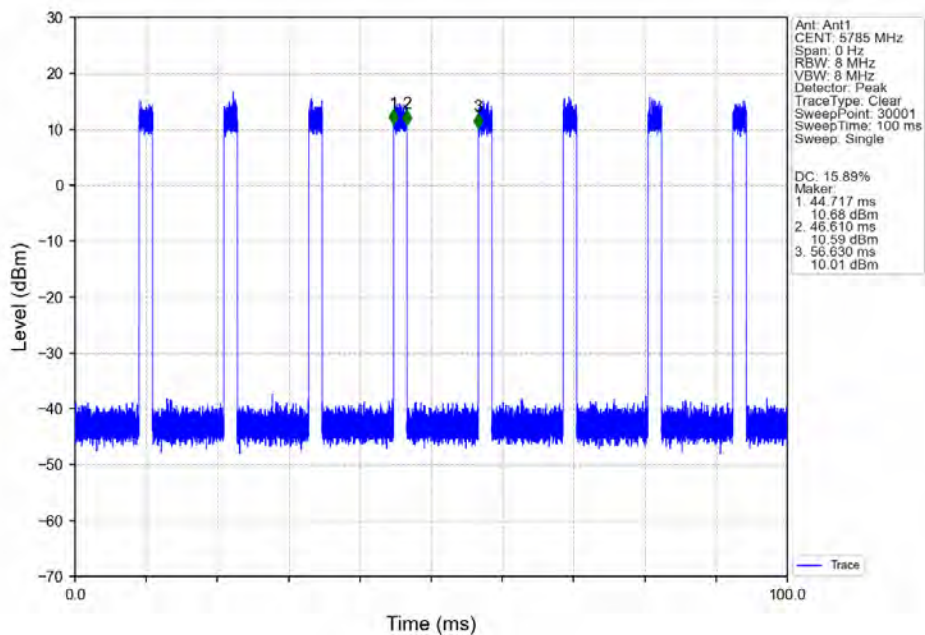
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



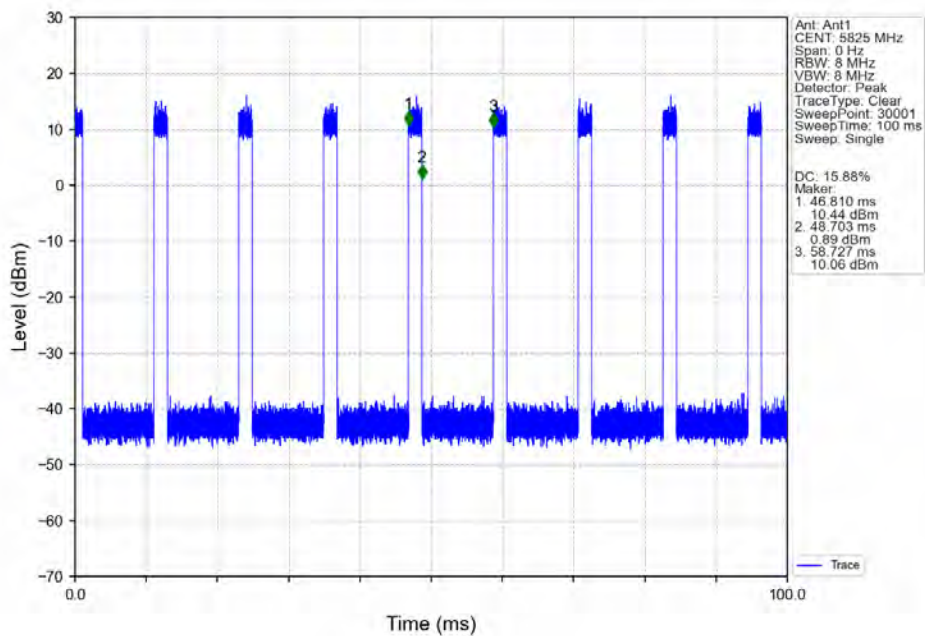
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



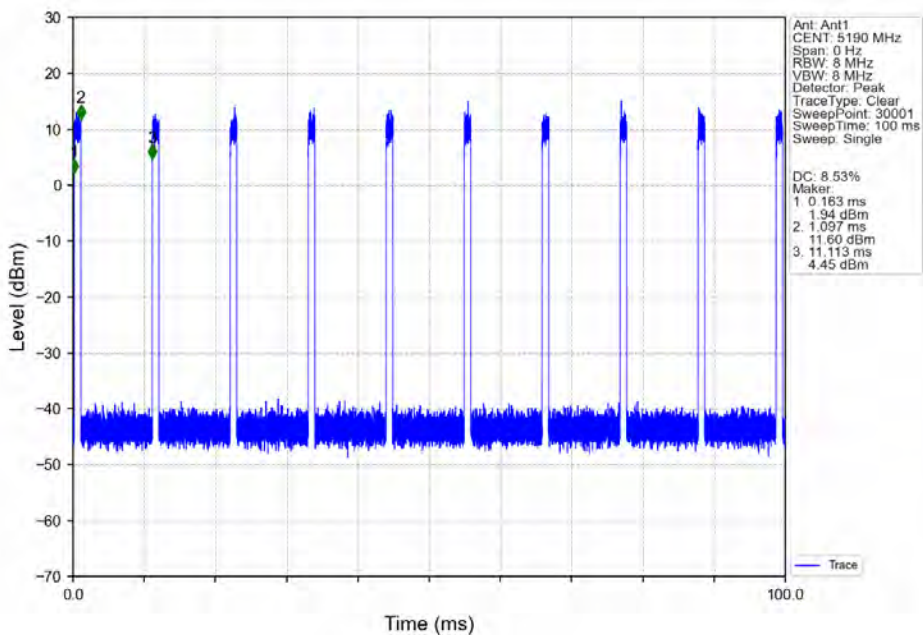
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



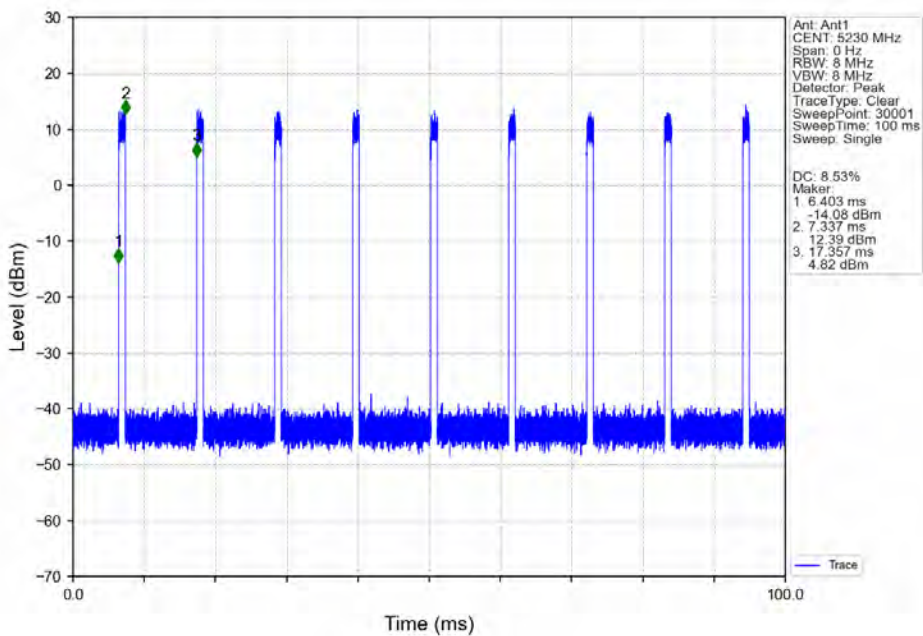
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



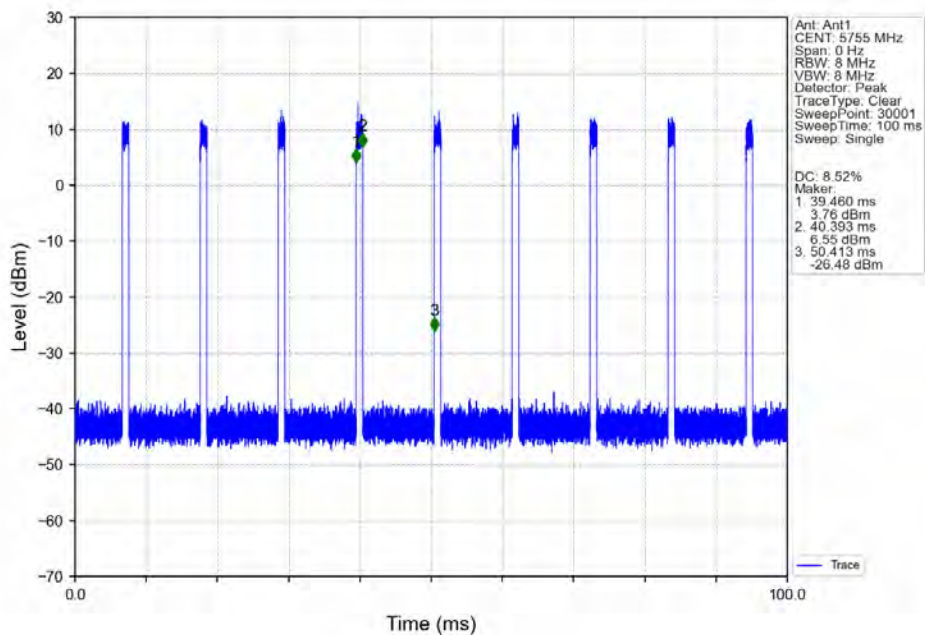
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



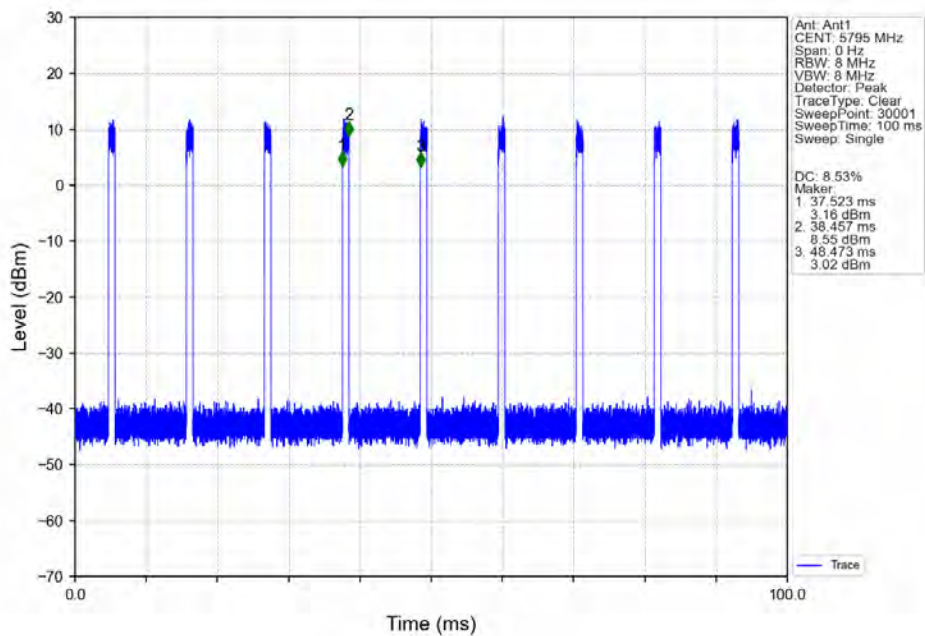
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



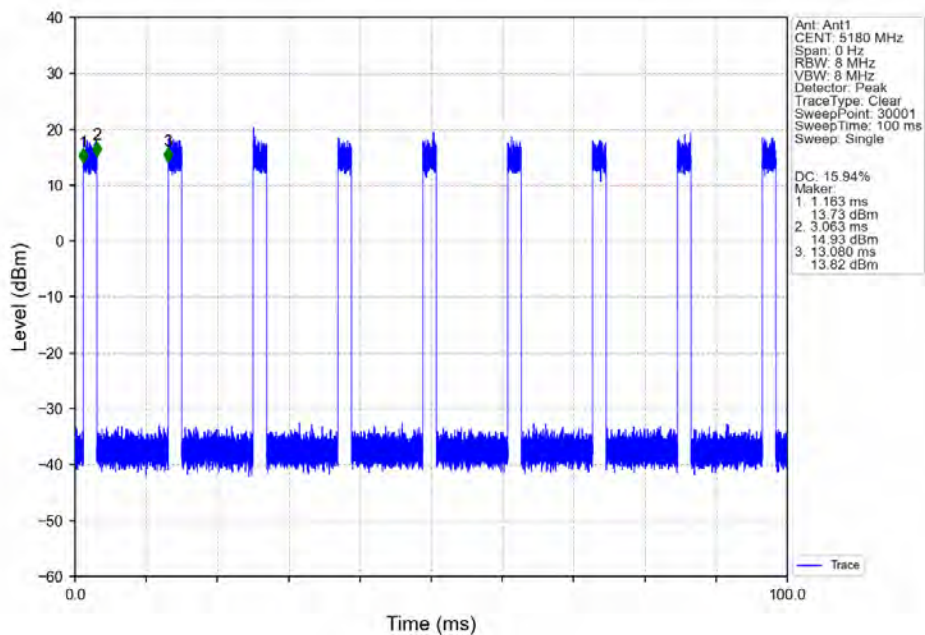
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



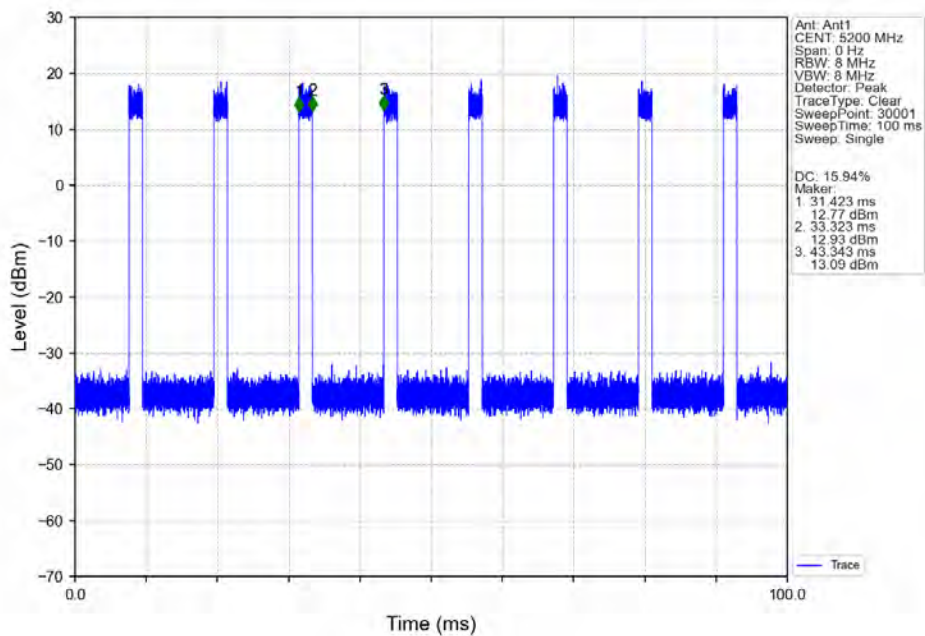
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



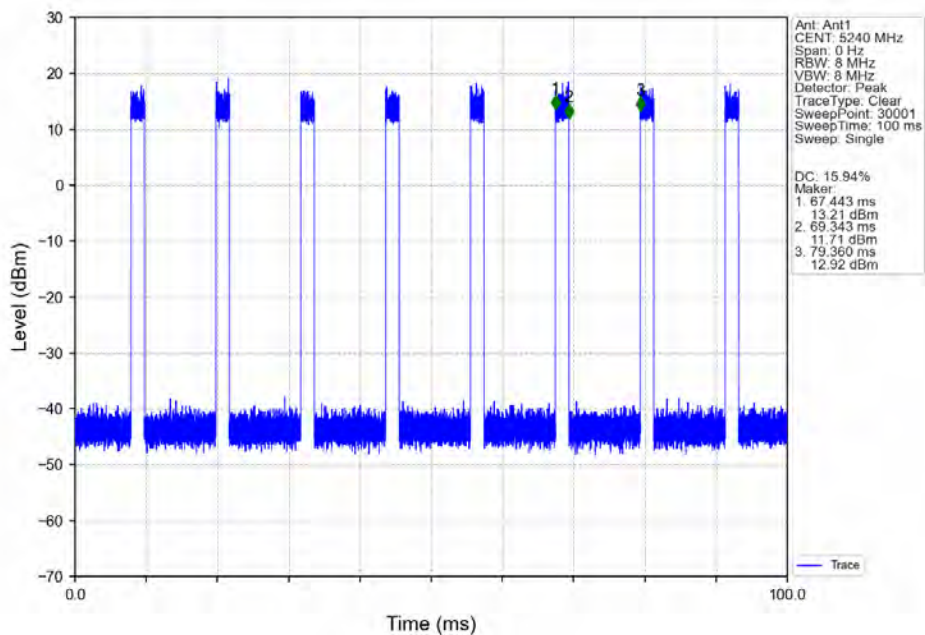
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



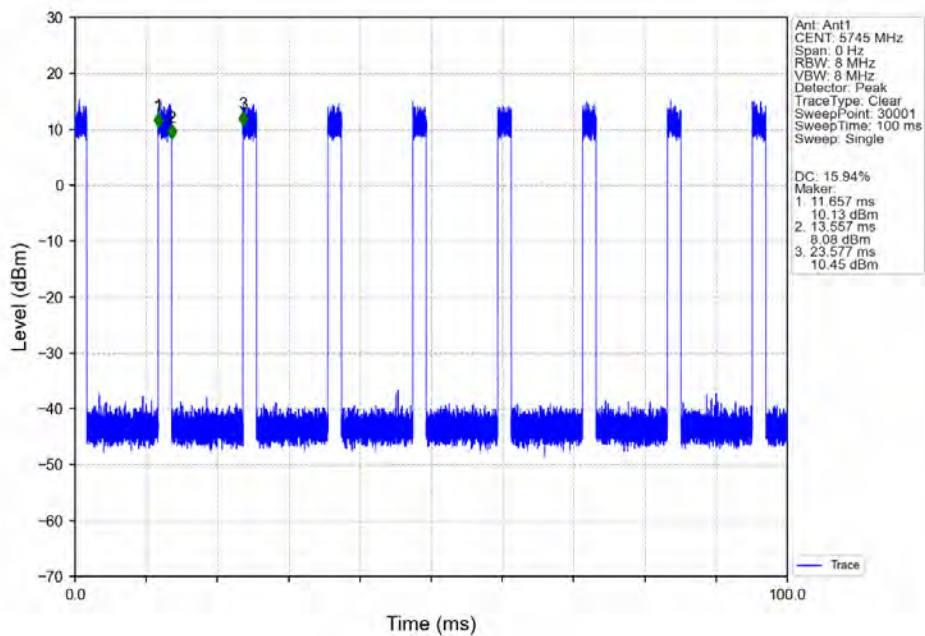
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



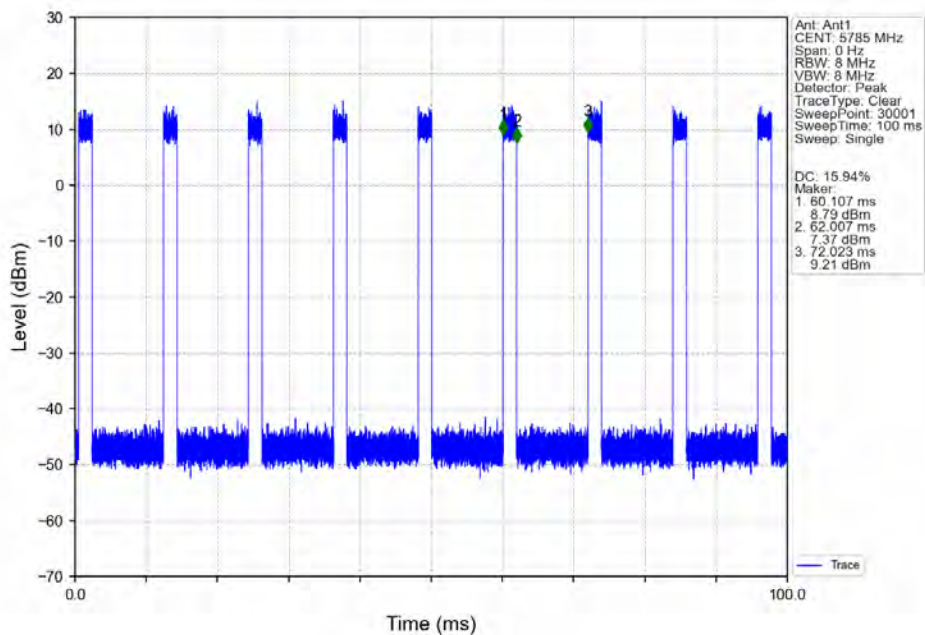
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



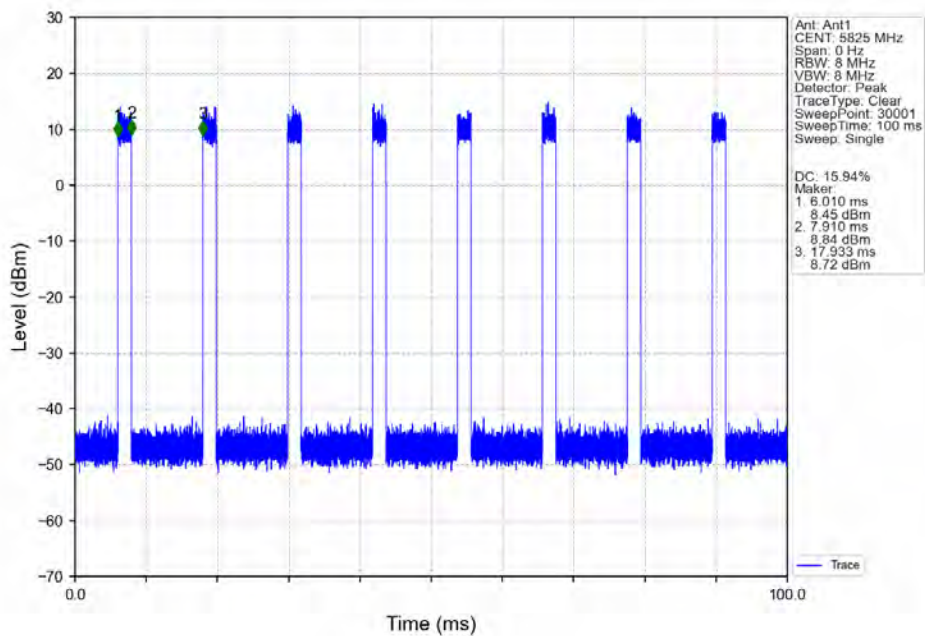
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



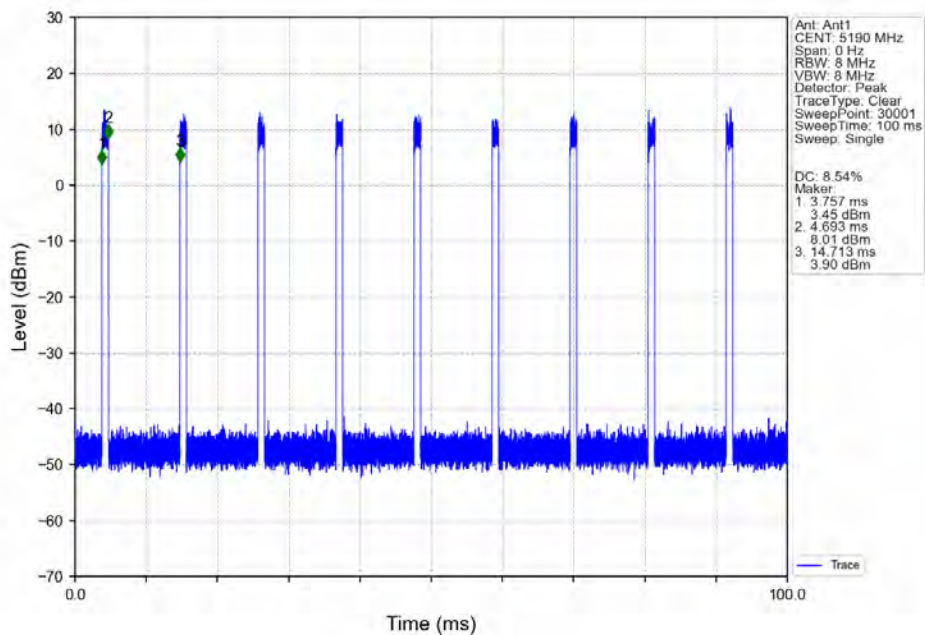
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



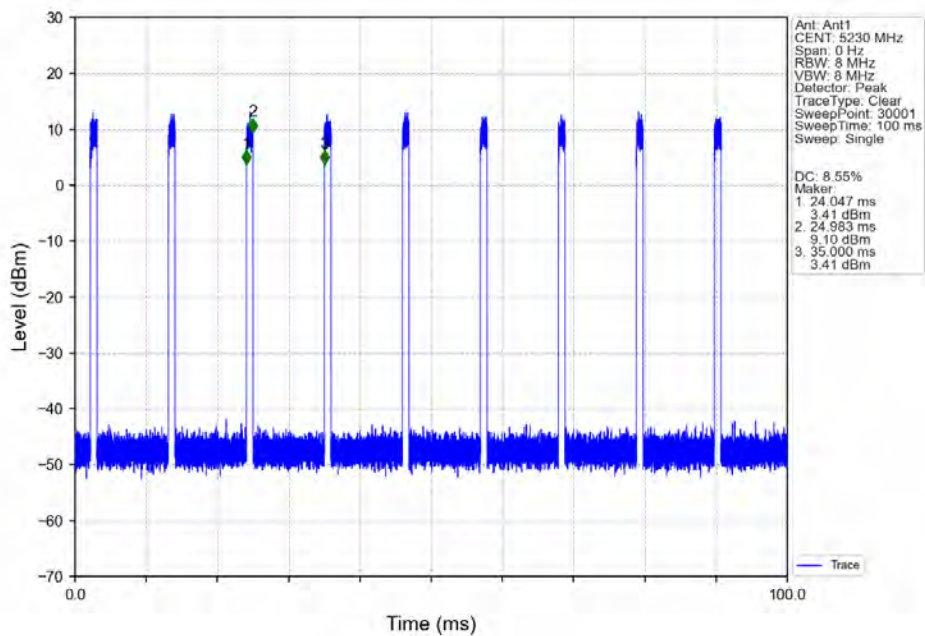
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



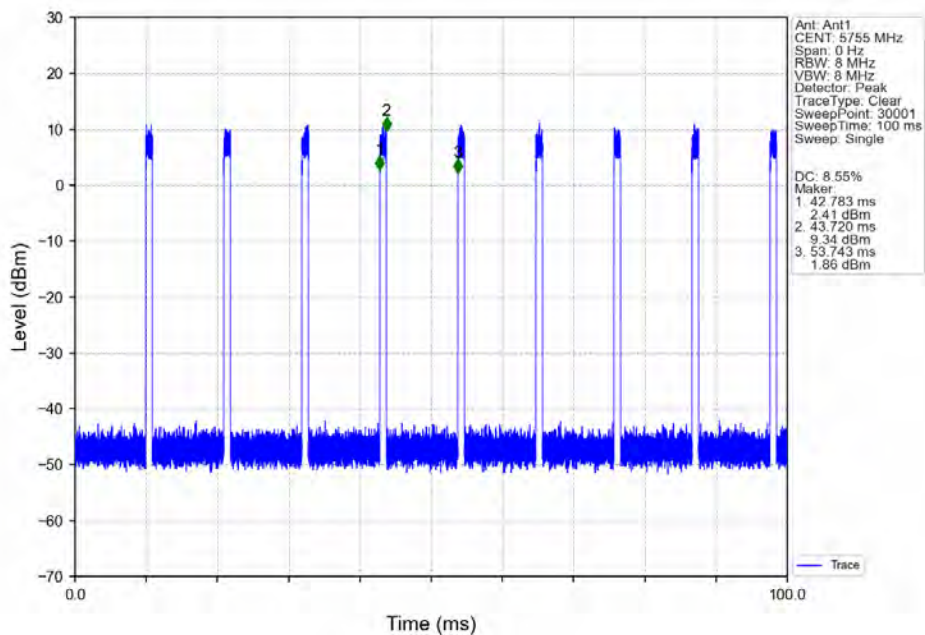
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



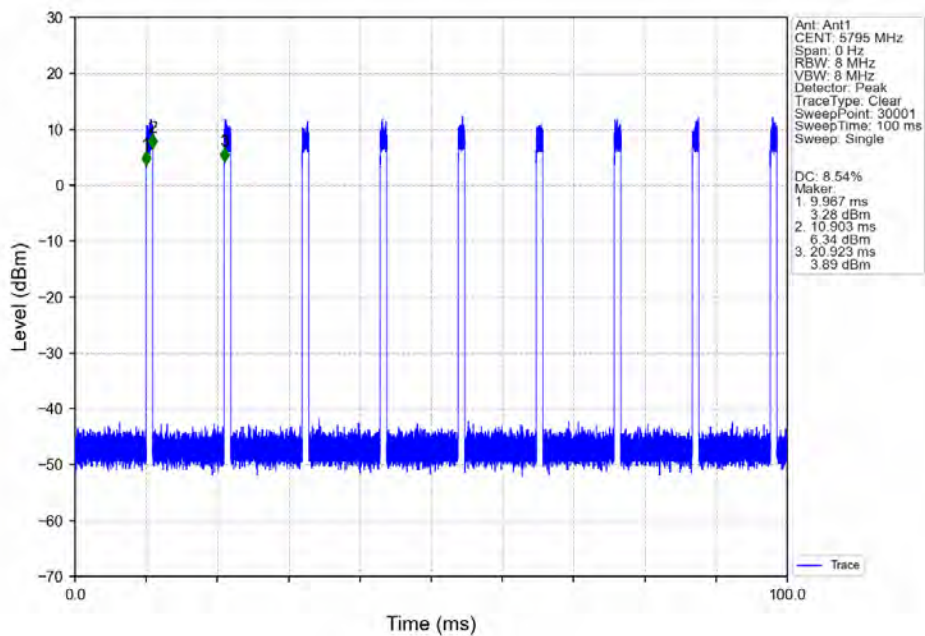
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



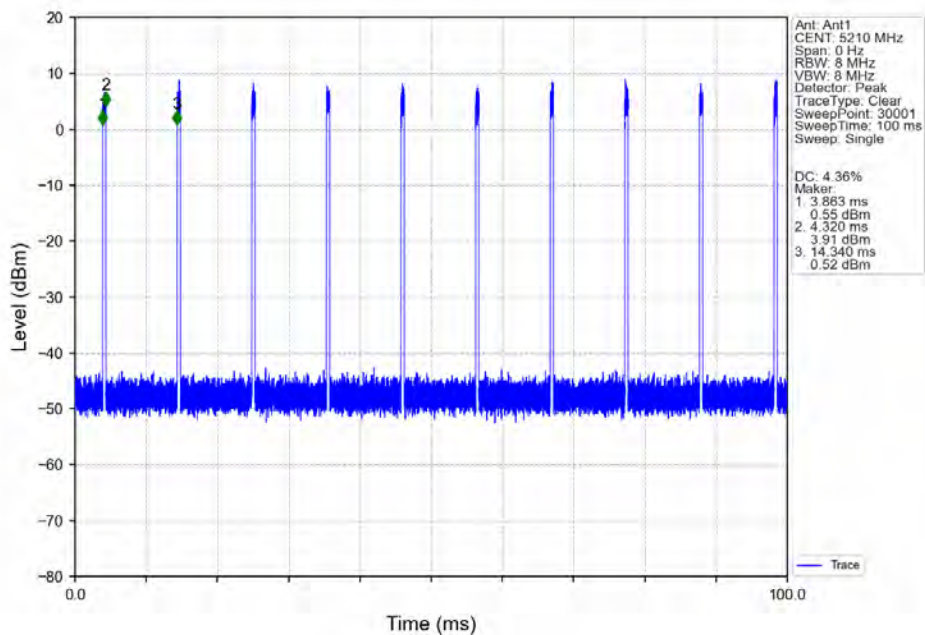
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



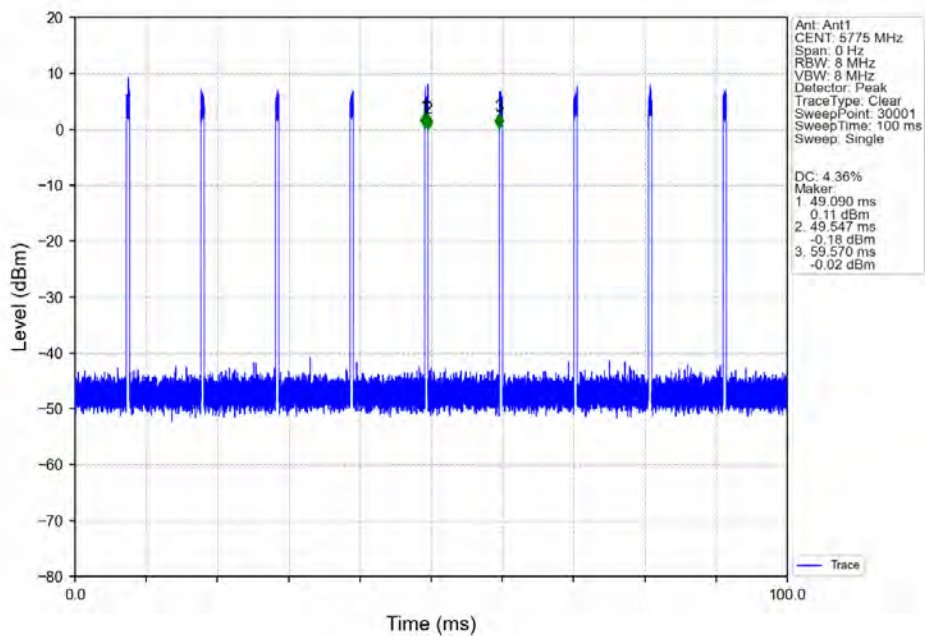
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



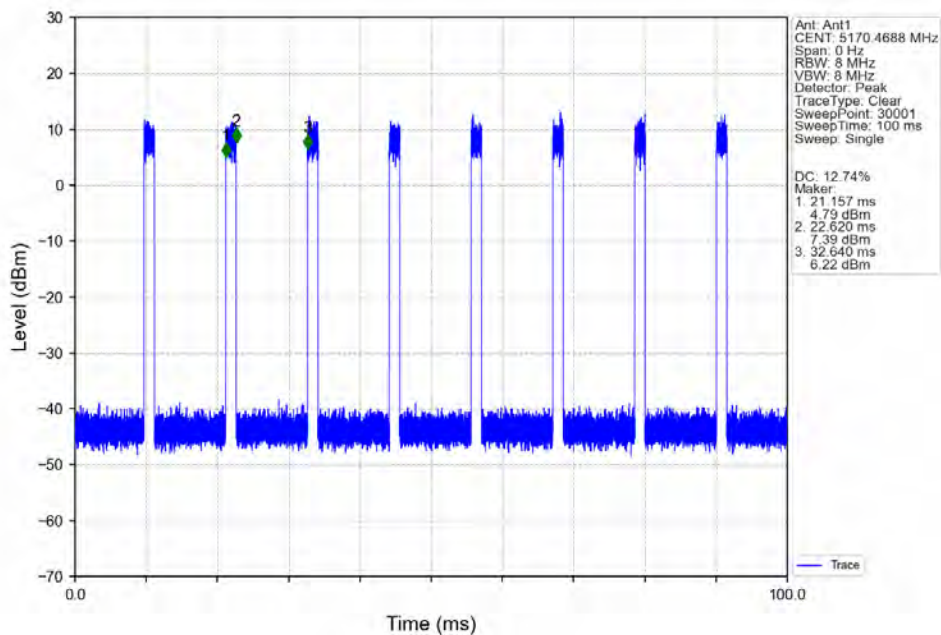
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



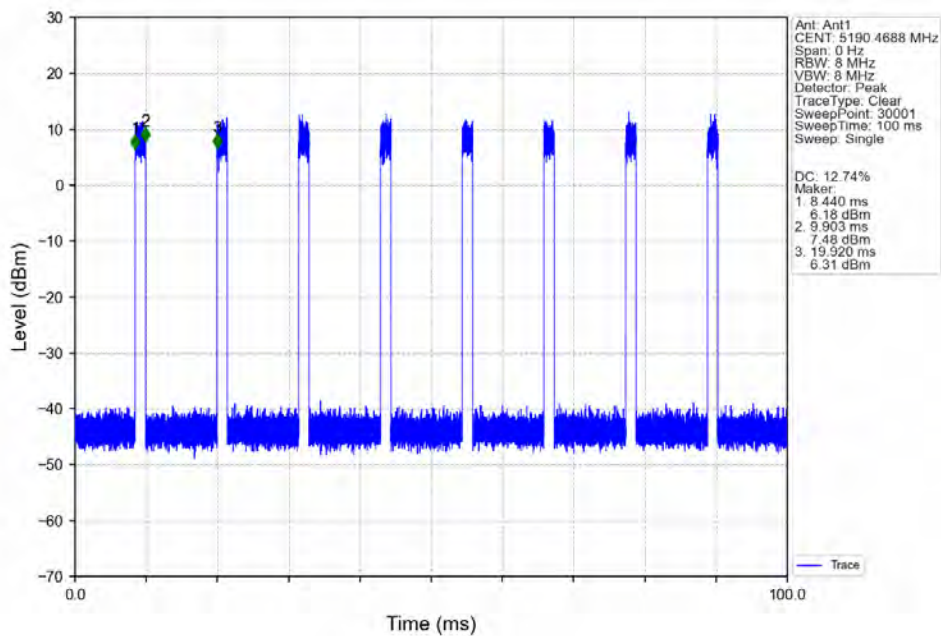
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



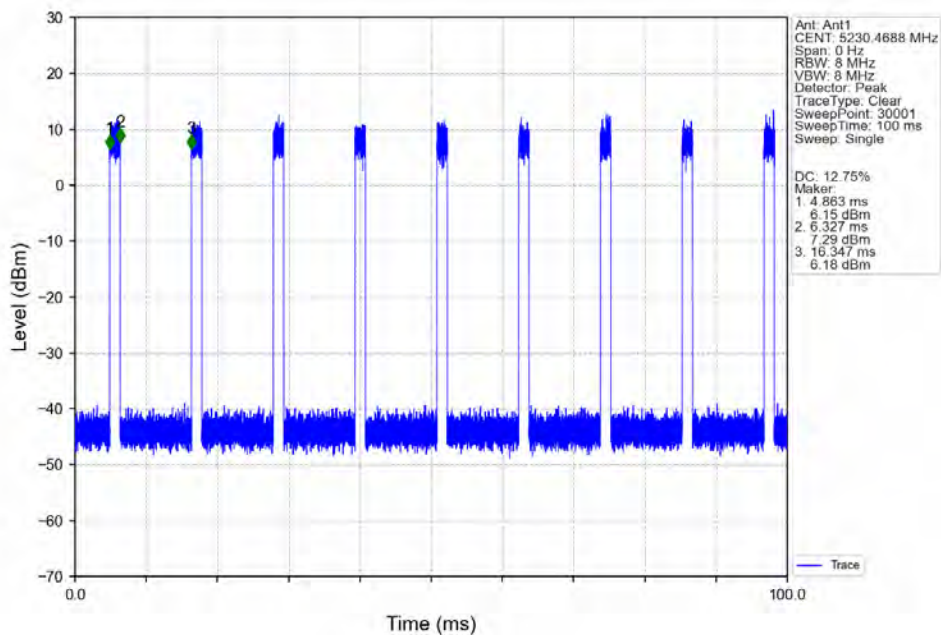
802.11ax(HEW20)_LCH_5180MHz_SU / _Ant1_NTNV



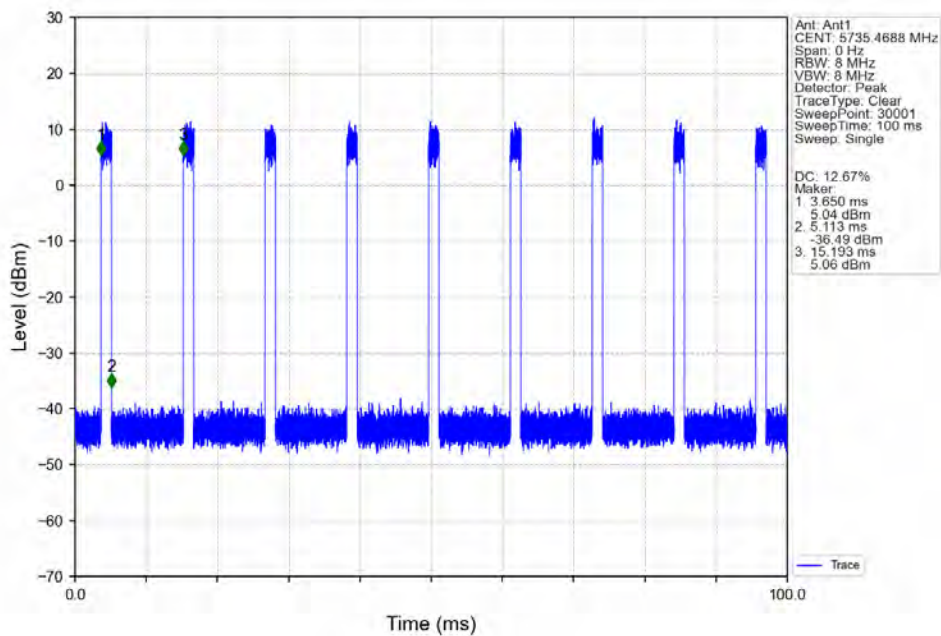
802.11ax(HEW20)_MCH_5200MHz_SU / _Ant1_NTNV



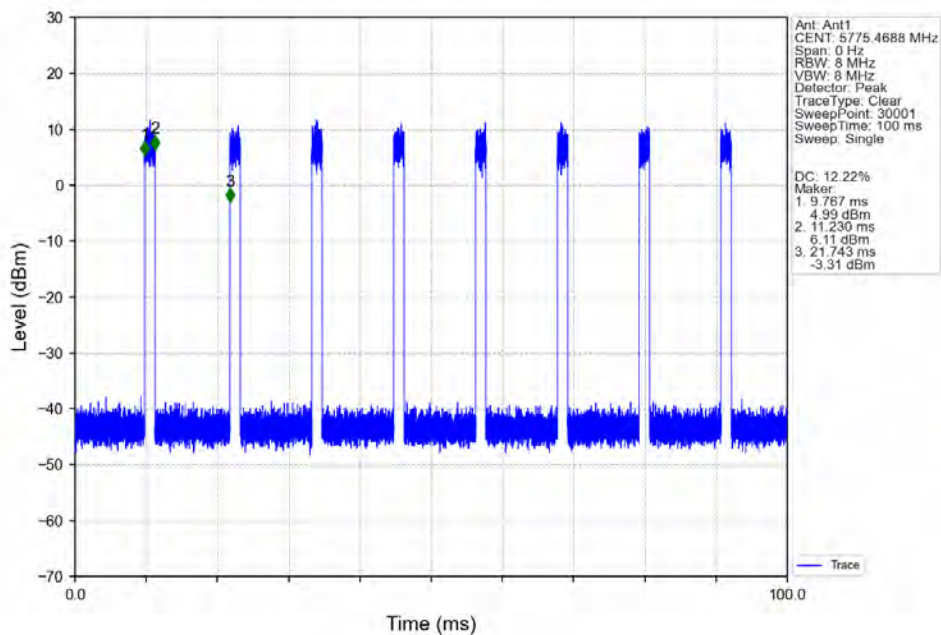
802.11ax(HEW20)_HCH_5240MHz_SU / _Ant1_NTNV



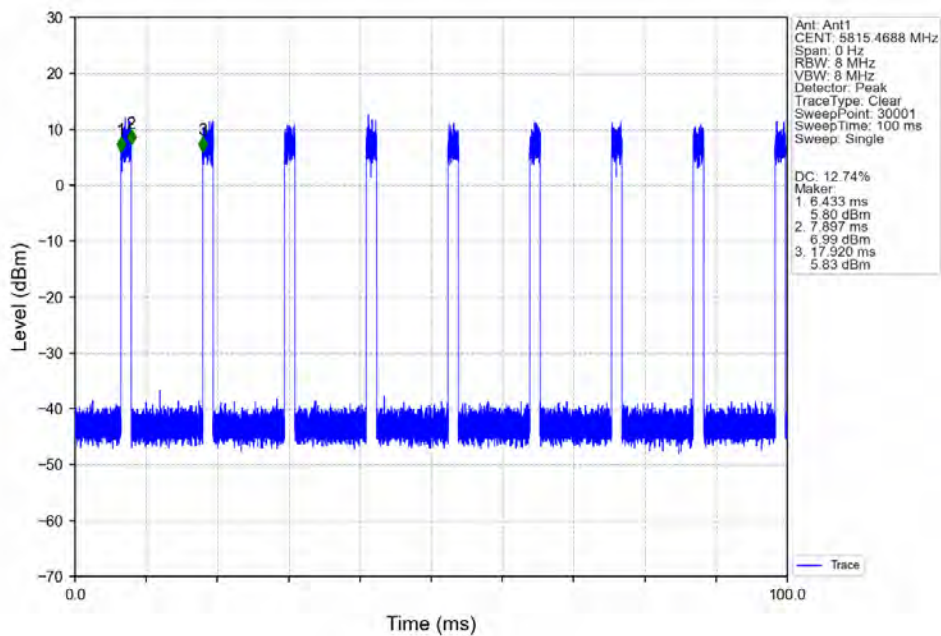
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



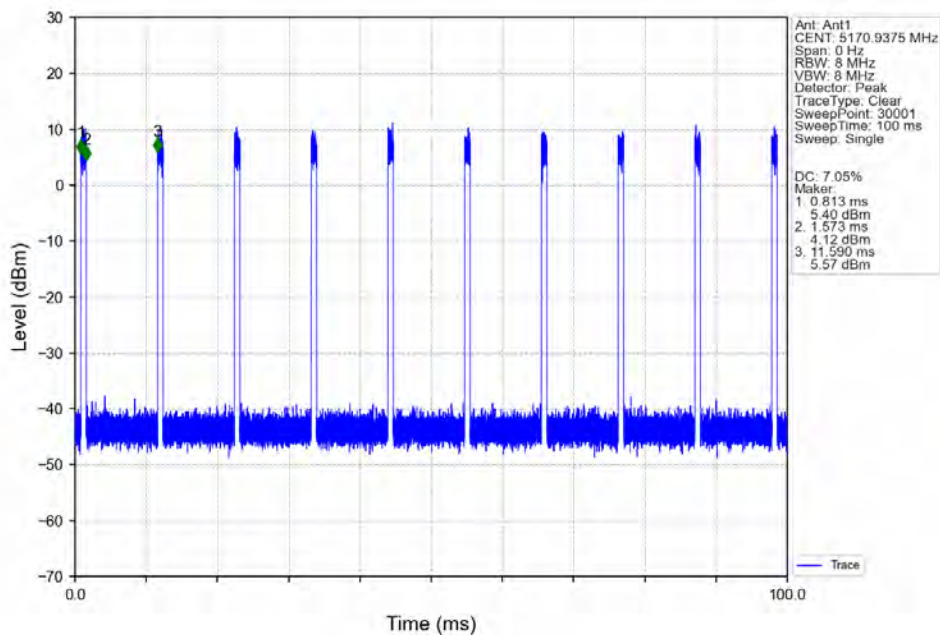
802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV



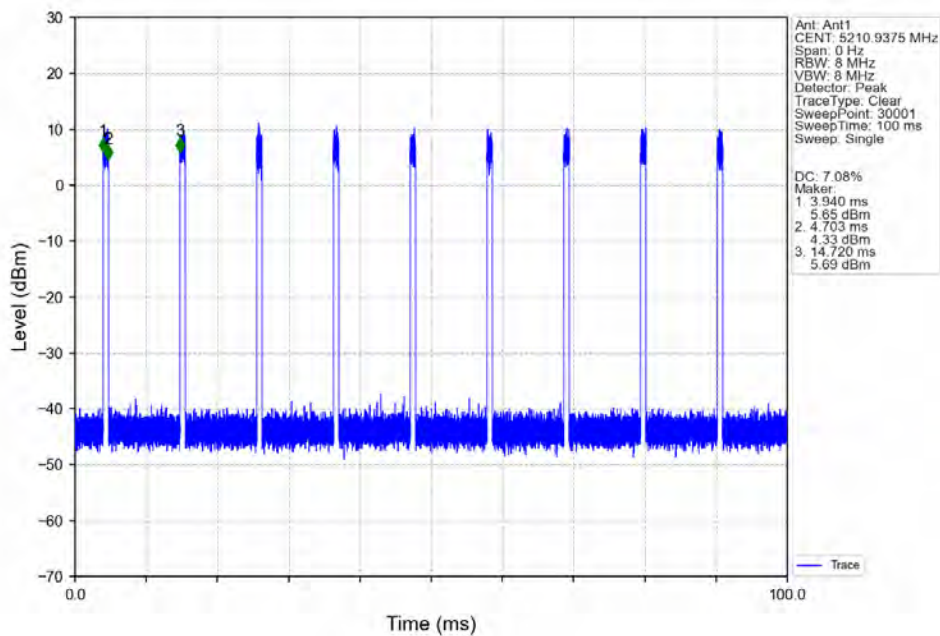
802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV



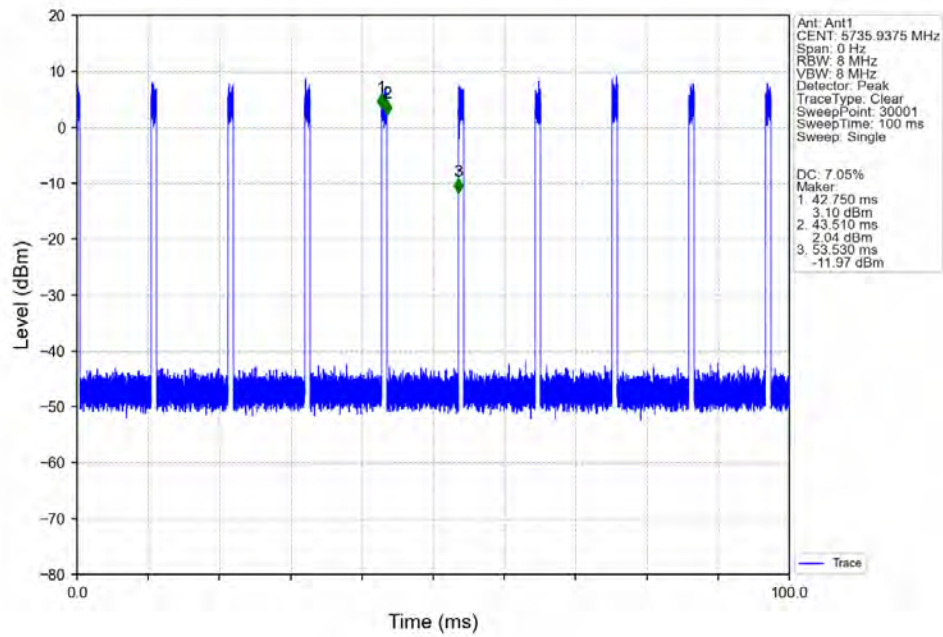
802.11ax(HEW40)_LCH_5190MHz_SU / _Ant1_NTNV



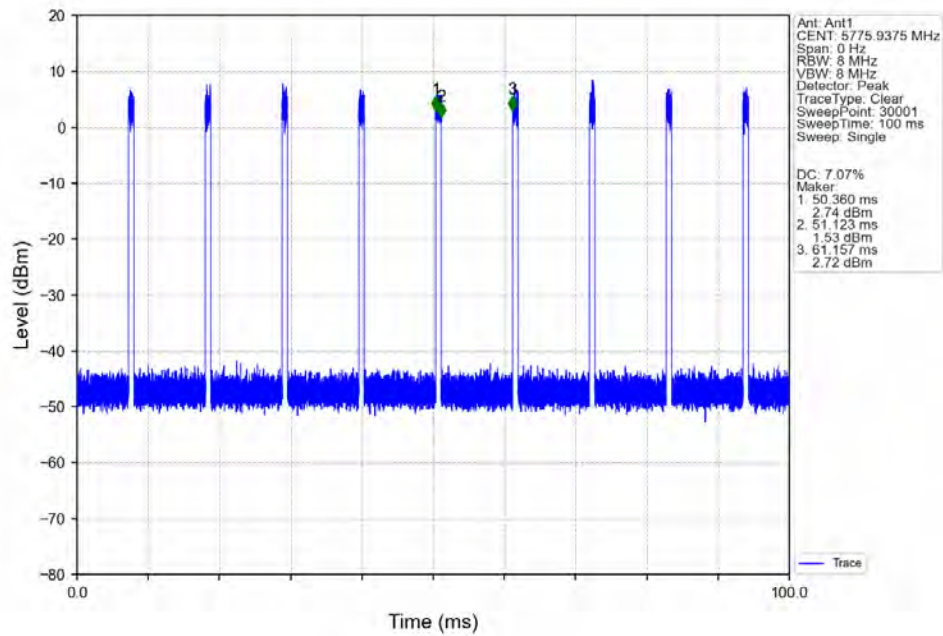
802.11ax(HEW40)_HCH_5230MHz_SU / _Ant1_NTNV



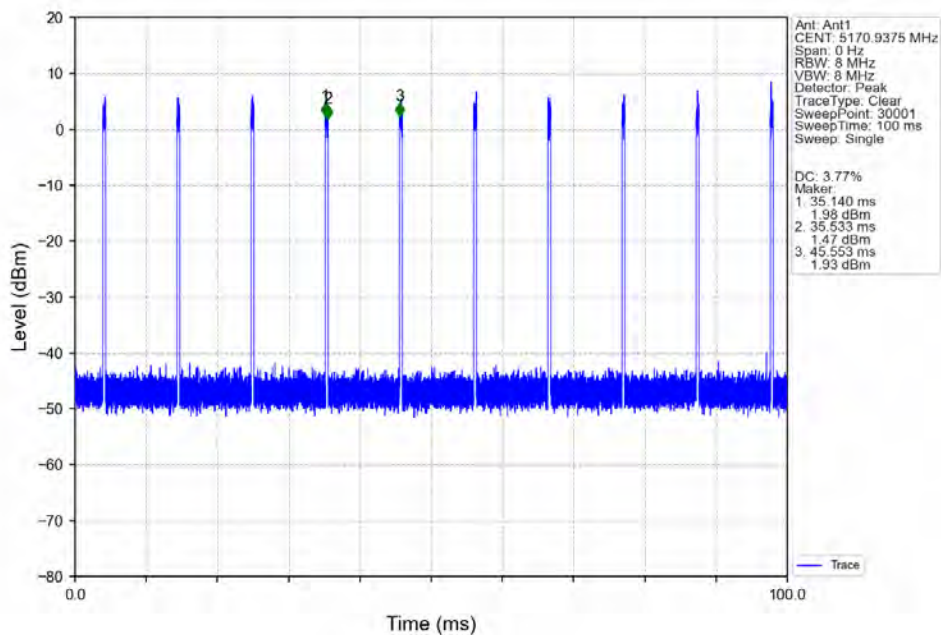
802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV



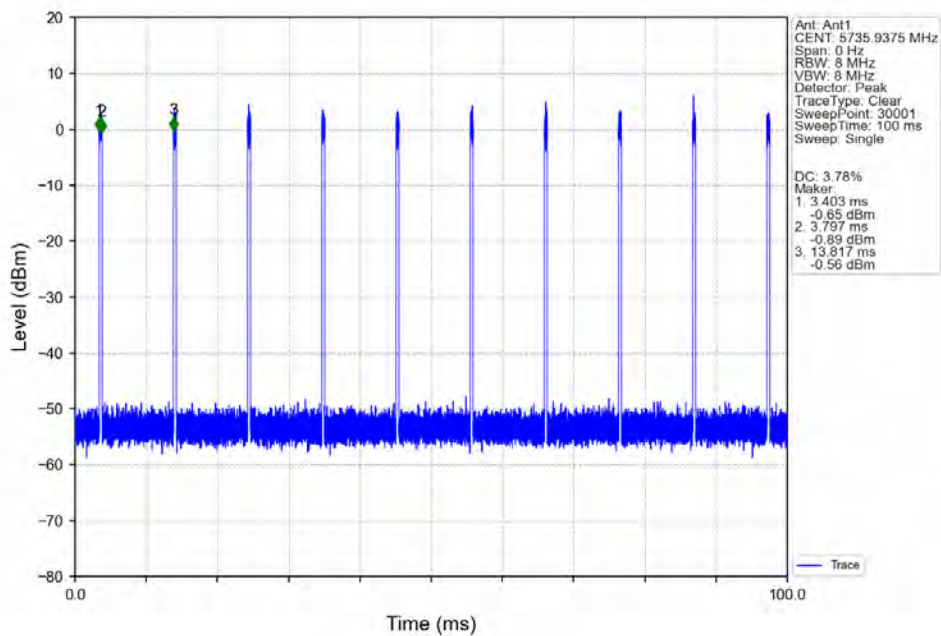
802.11ax(HEW40)_HCH_5795MHz_SU / _Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU / _Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU / _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	17.854	/	Pass
		5200	/	/	1	17.488	/	Pass
		5240	/	/	1	17.564	/	Pass
		5745	/	/	1	17.768	/	Pass
		5785	/	/	1	17.848	/	Pass
		5825	/	/	1	17.988	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.721	/	Pass
		5200	/	/	1	18.603	/	Pass
		5240	/	/	1	18.592	/	Pass
		5745	/	/	1	18.906	/	Pass
		5785	/	/	1	18.986	/	Pass
		5825	/	/	1	19.012	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	37.082	/	Pass
		5230	/	/	1	36.825	/	Pass
		5755	/	/	1	37.310	/	Pass
		5795	/	/	1	37.309	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.800	/	Pass
		5200	/	/	1	18.625	/	Pass
		5240	/	/	1	18.383	/	Pass
		5745	/	/	1	18.752	/	Pass
		5785	/	/	1	18.745	/	Pass
		5825	/	/	1	18.880	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.945	/	Pass
		5230	/	/	1	36.779	/	Pass
		5755	/	/	1	37.101	/	Pass
		5795	/	/	1	37.352	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.207	/	Pass
		5775	/	/	1	77.846	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.205	/	Pass
		5200	SU	/	1	19.192	/	Pass
		5240	SU	/	1	19.151	/	Pass
		5745	SU	/	1	19.512	/	Pass
		5785	SU	/	1	19.489	/	Pass
		5825	SU	/	1	19.640	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.107	/	Pass
		5230	SU	/	1	38.079	/	Pass
		5755	SU	/	1	38.551	/	Pass
		5795	SU	/	1	38.438	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.667	/	Pass
		5775	SU	/	1	78.894	/	Pass

2.1.2 26dB BW

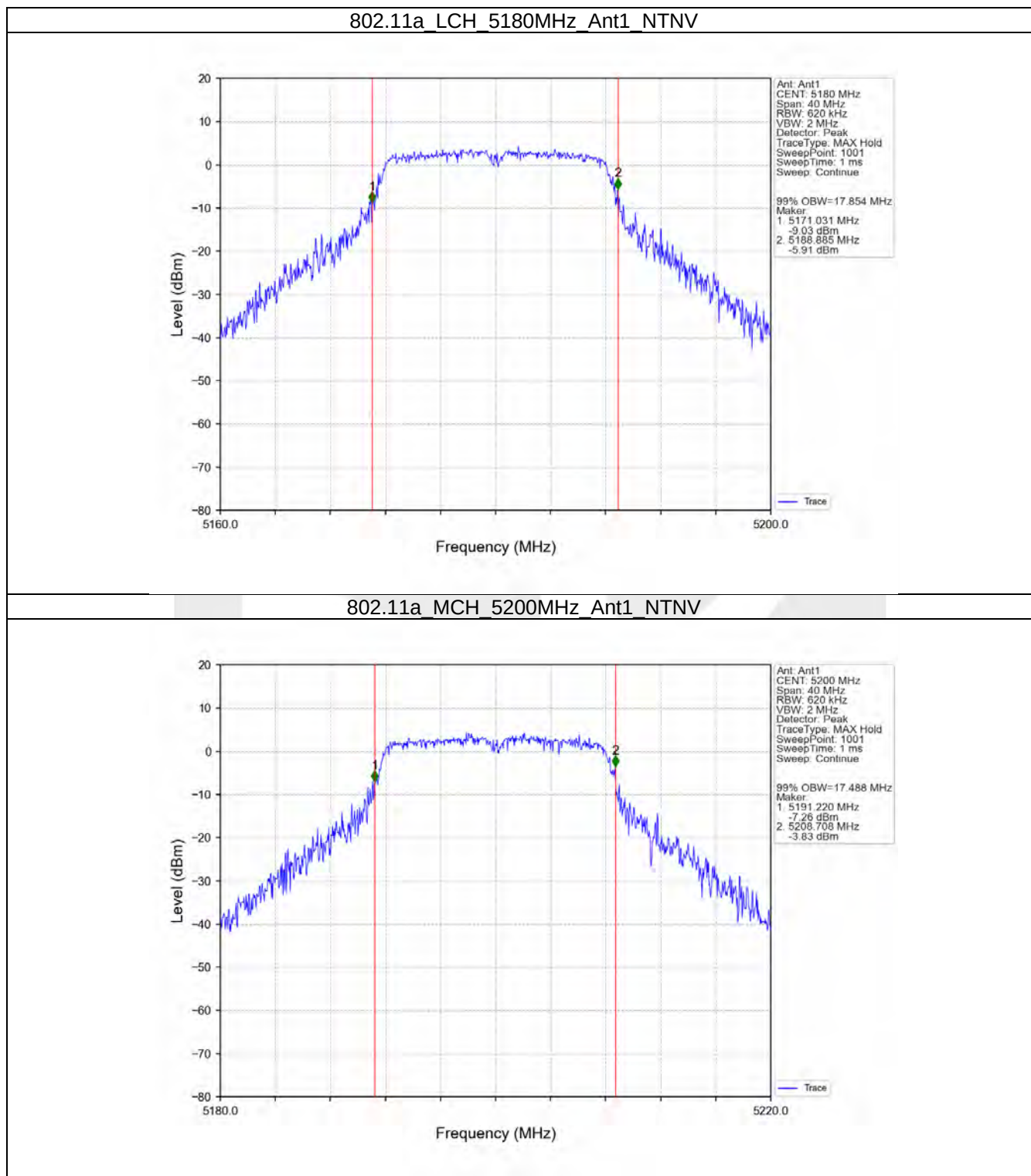
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	25.534	/	Pass
		5200	/	/	1	24.269	/	Pass
		5240	/	/	1	25.986	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	26.964	/	Pass
		5200	/	/	1	27.640	/	Pass
		5240	/	/	1	27.967	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.141	/	Pass
		5230	/	/	1	46.402	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	25.934	/	Pass
		5200	/	/	1	26.032	/	Pass
		5240	/	/	1	26.185	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	47.160	/	Pass
		5230	/	/	1	45.347	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	86.988	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	28.667	/	Pass
		5200	SU	/	1	26.521	/	Pass
		5240	SU	/	1	24.184	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.317	/	Pass
		5230	SU	/	1	46.390	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	83.617	/	Pass

2.1.3 6dB BW

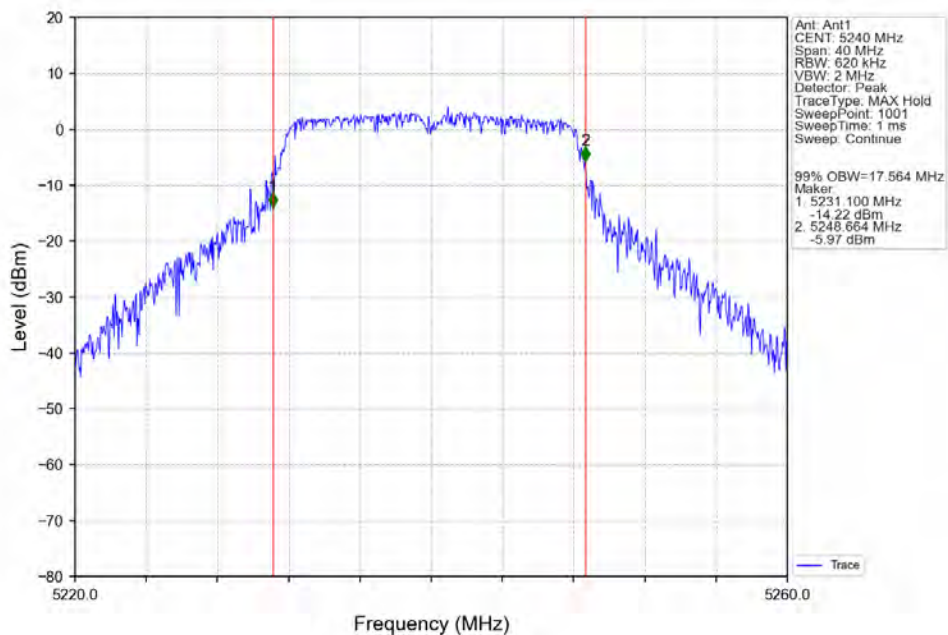
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.439	>=0.5	Pass
		5785	/	/	1	16.390	>=0.5	Pass
		5825	/	/	1	16.373	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.687	>=0.5	Pass
		5785	/	/	1	17.776	>=0.5	Pass
		5825	/	/	1	17.824	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.002	>=0.5	Pass
		5795	/	/	1	36.389	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.661	>=0.5	Pass
		5785	/	/	1	17.600	>=0.5	Pass
		5825	/	/	1	17.742	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.175	>=0.5	Pass
		5795	/	/	1	35.731	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	69.506	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	19.117	>=0.5	Pass
		5785	SU	/	1	18.841	>=0.5	Pass
		5825	SU	/	1	19.078	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	38.187	>=0.5	Pass
		5795	SU	/	1	33.929	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	73.248	>=0.5	Pass

2.2 Test Graph

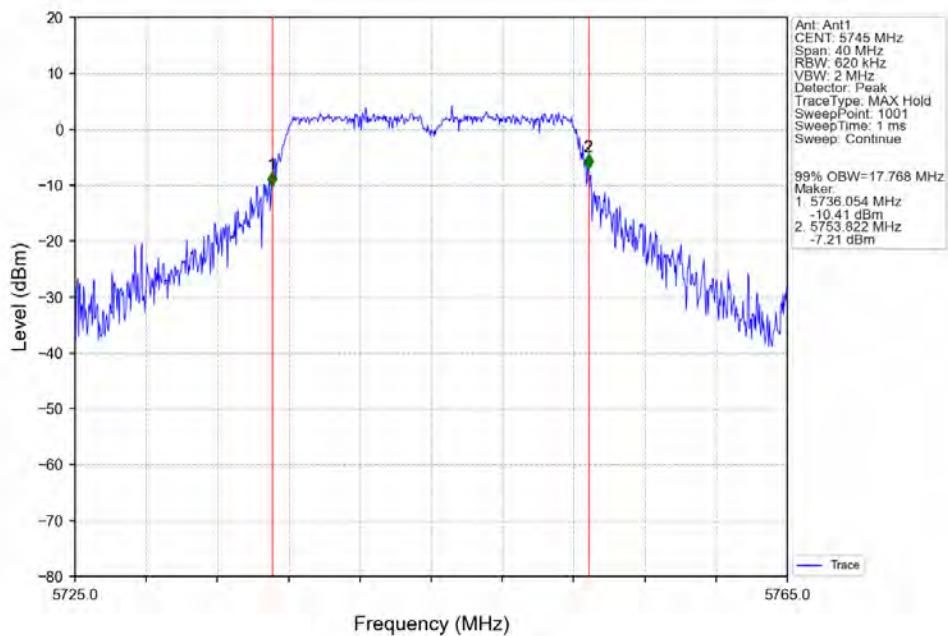
2.2.1 OBW



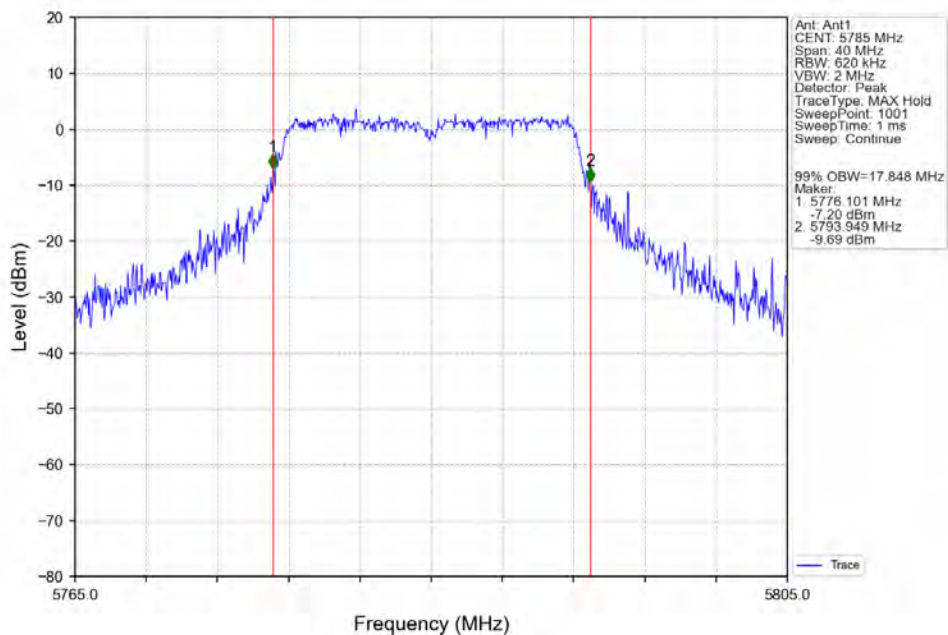
802.11a_HCH_5240MHz_Ant1_NTNV



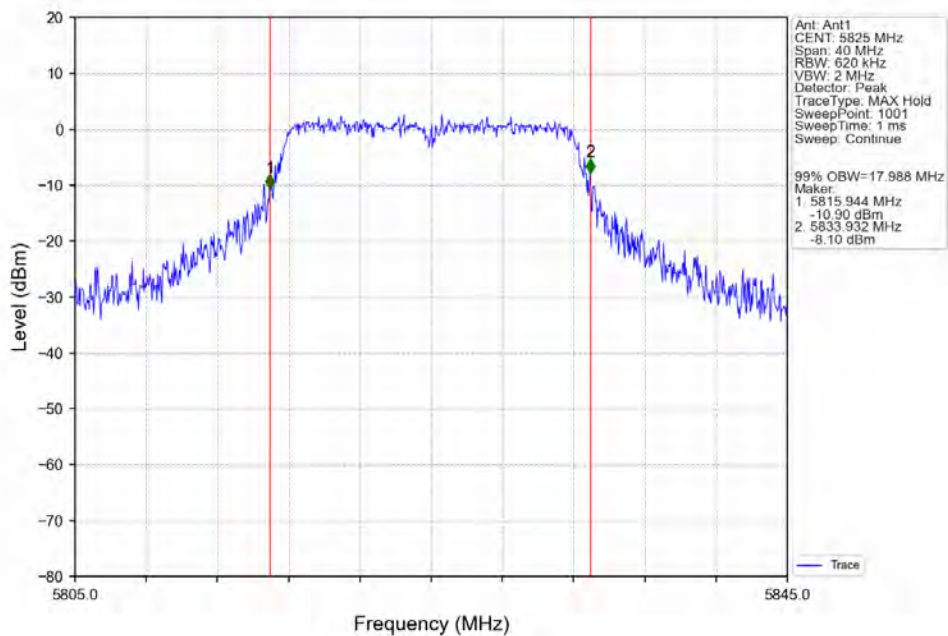
802.11a_LCH_5745MHz_Ant1_NTNV

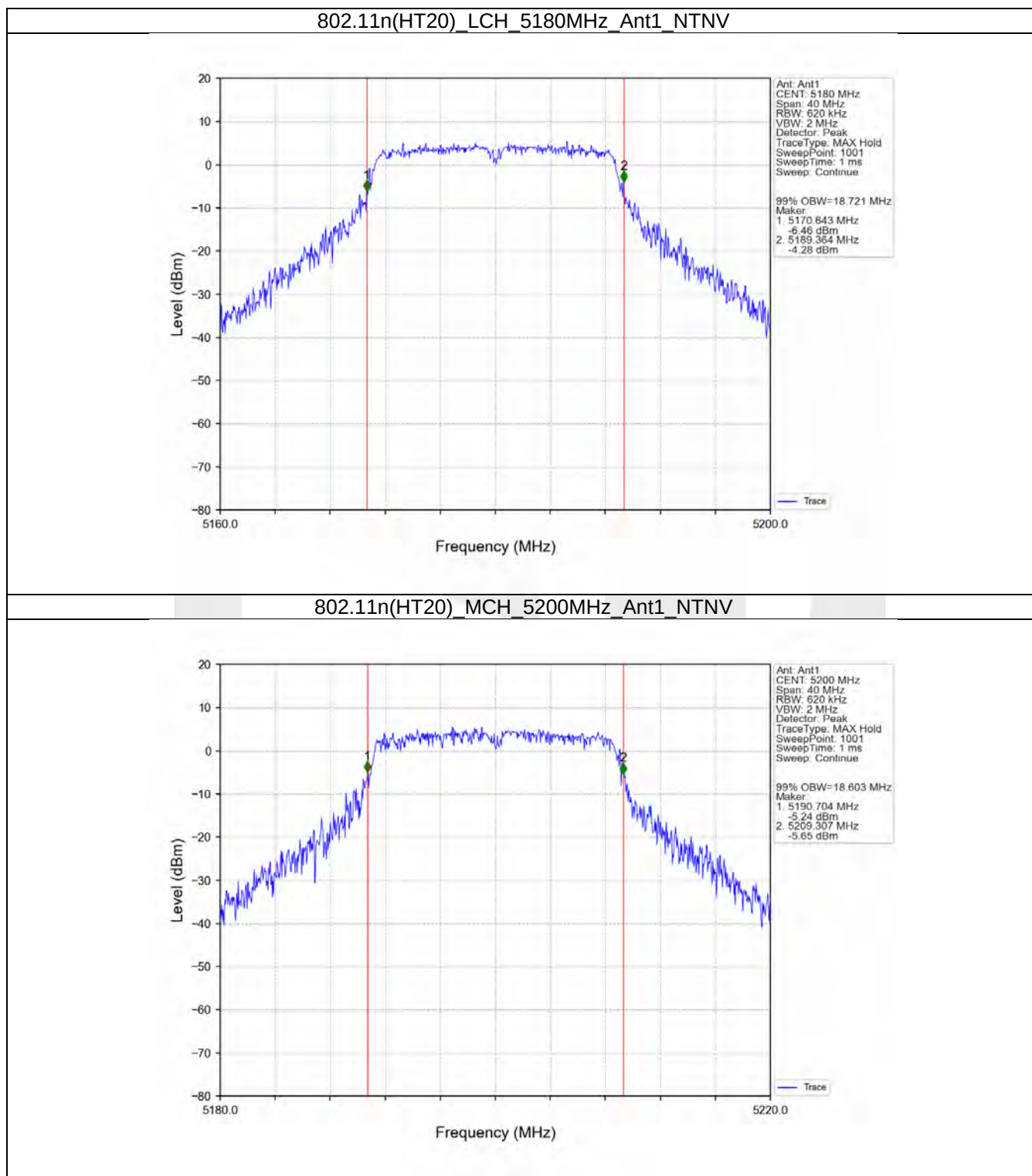


802.11a_MCH_5785MHz_Ant1_NTNV

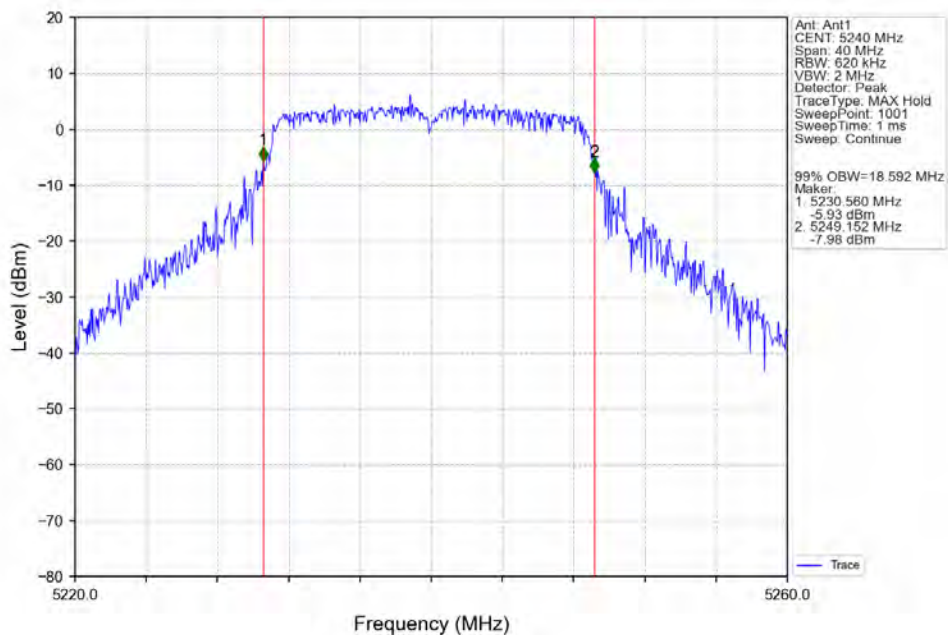


802.11a_HCH_5825MHz_Ant1_NTNV

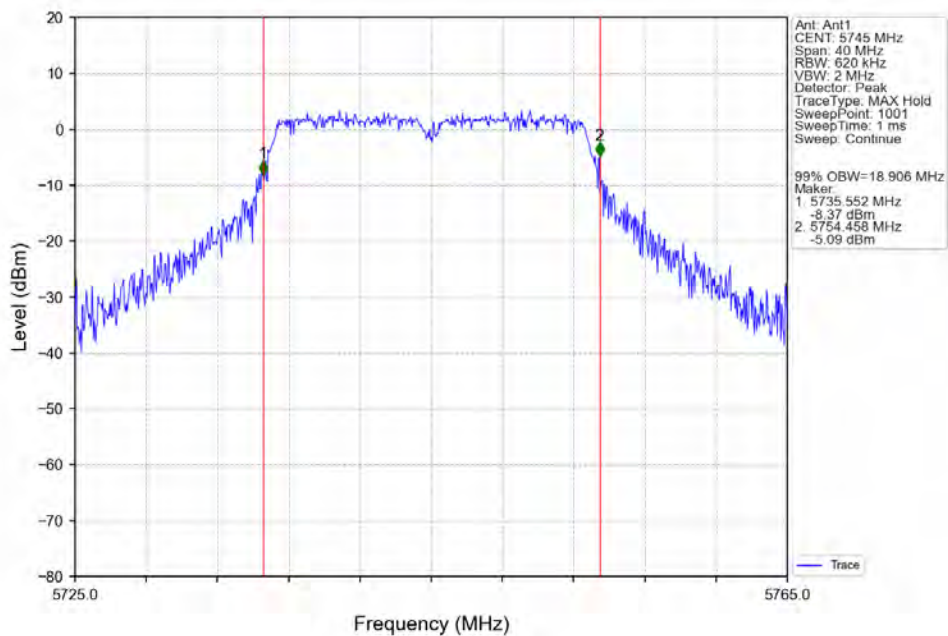




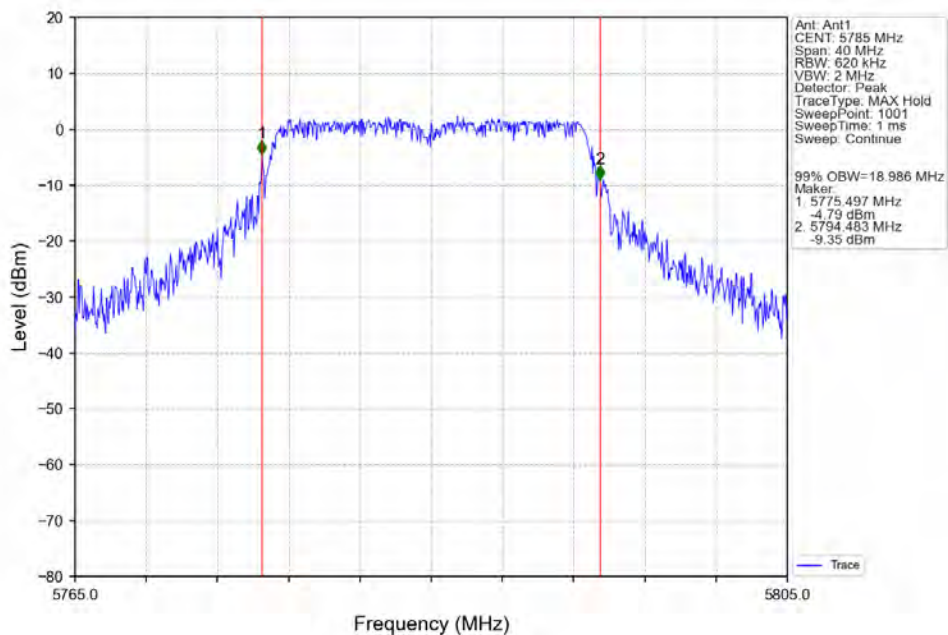
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



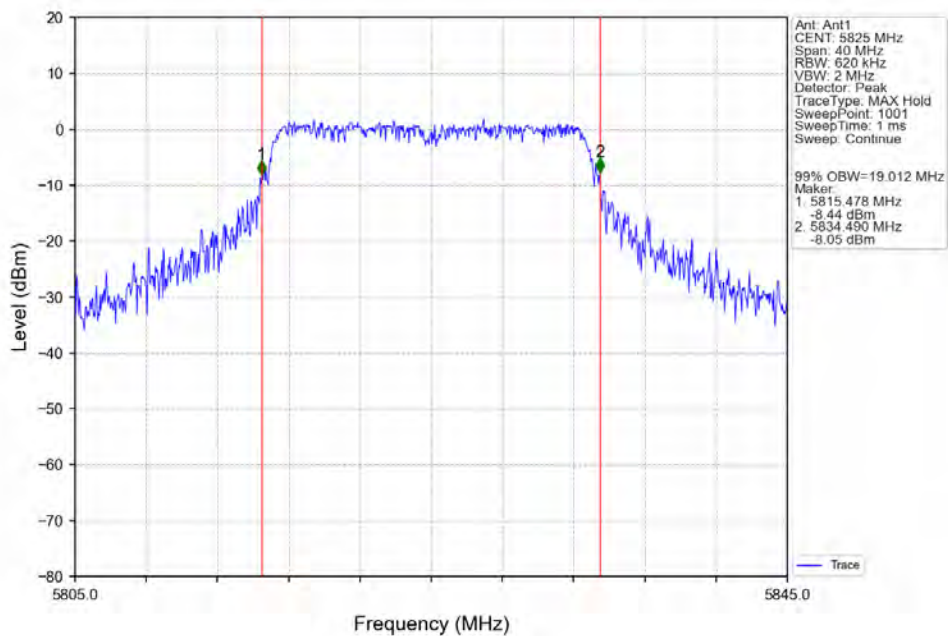
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



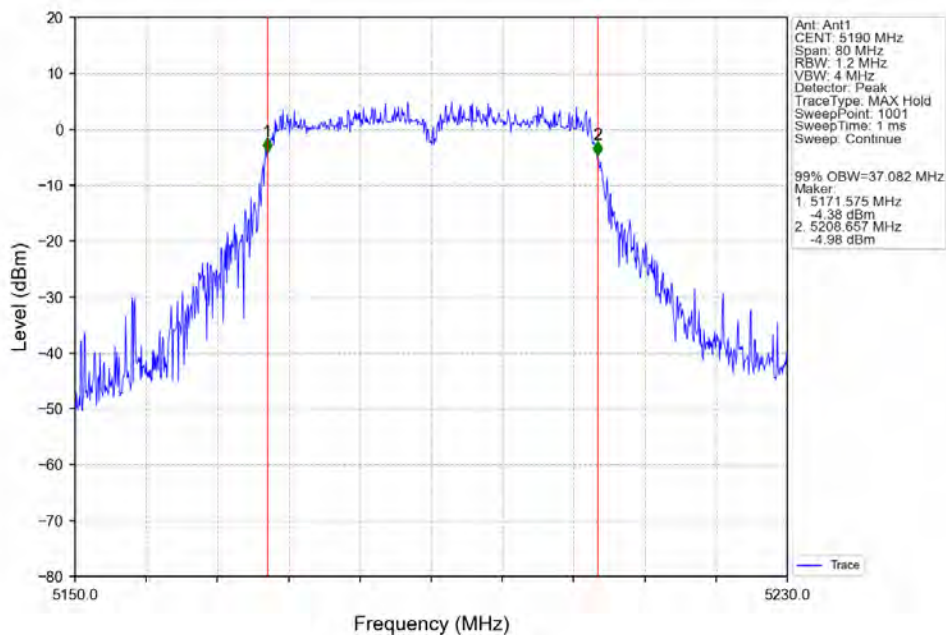
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



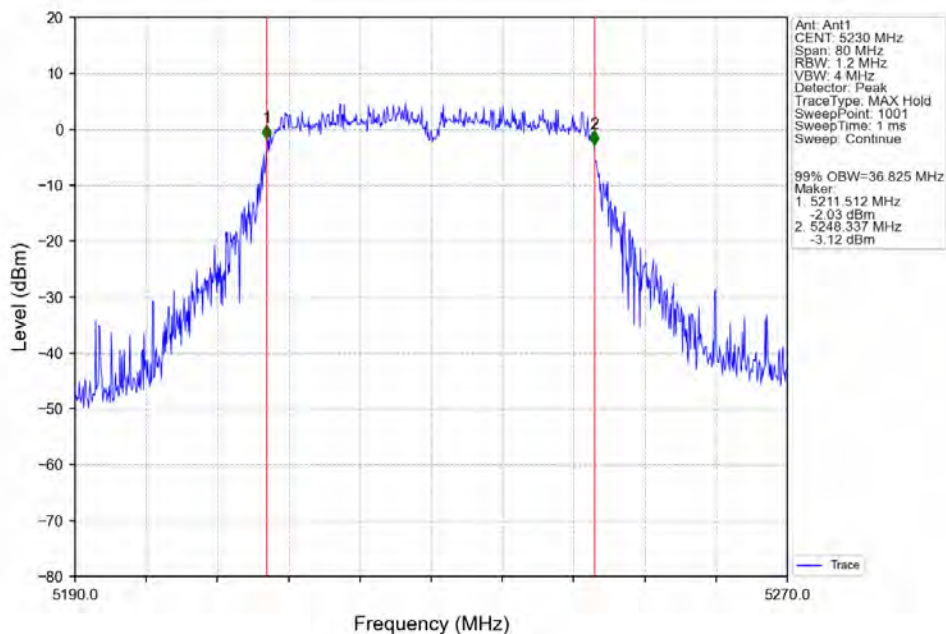
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

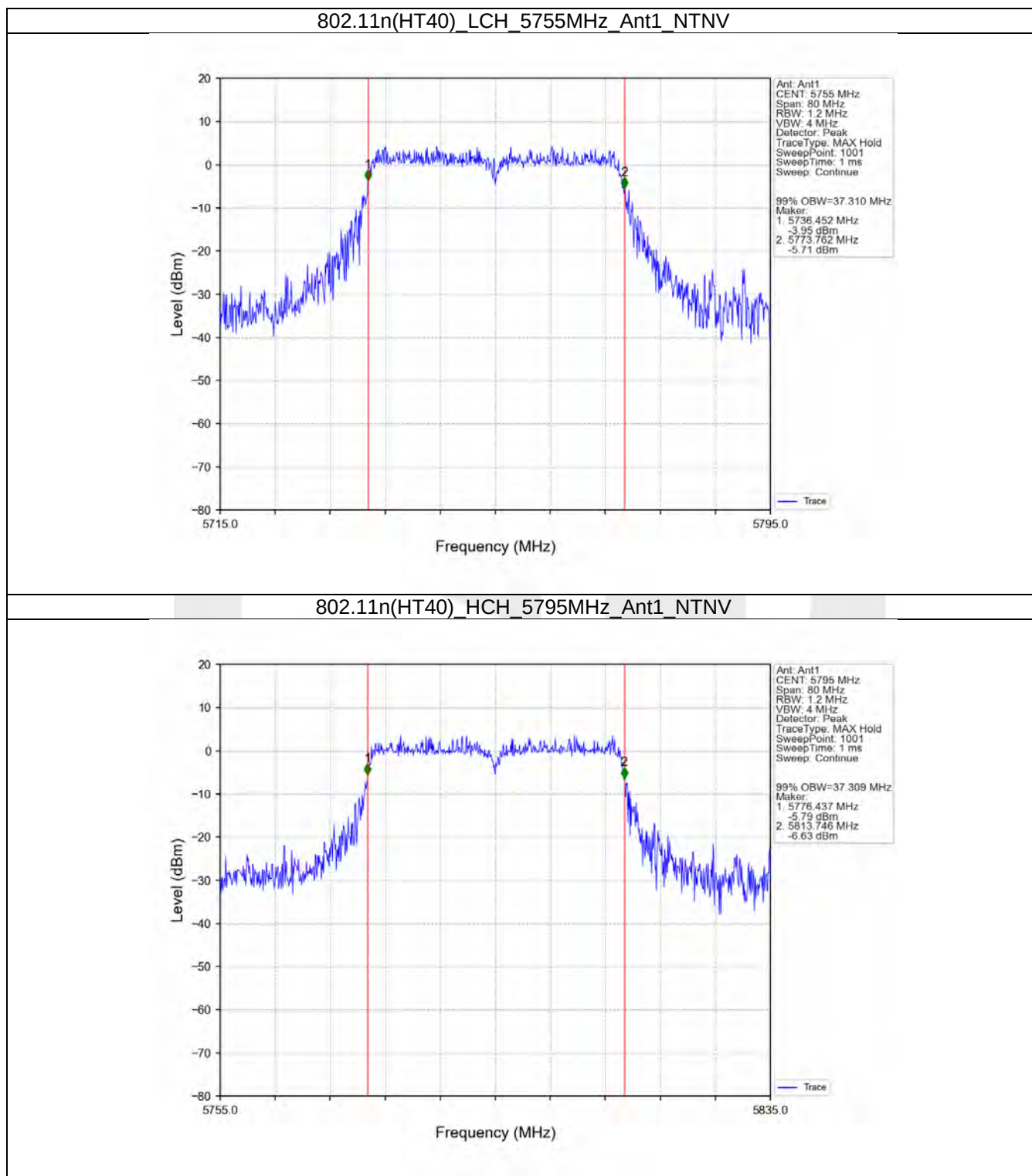


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV

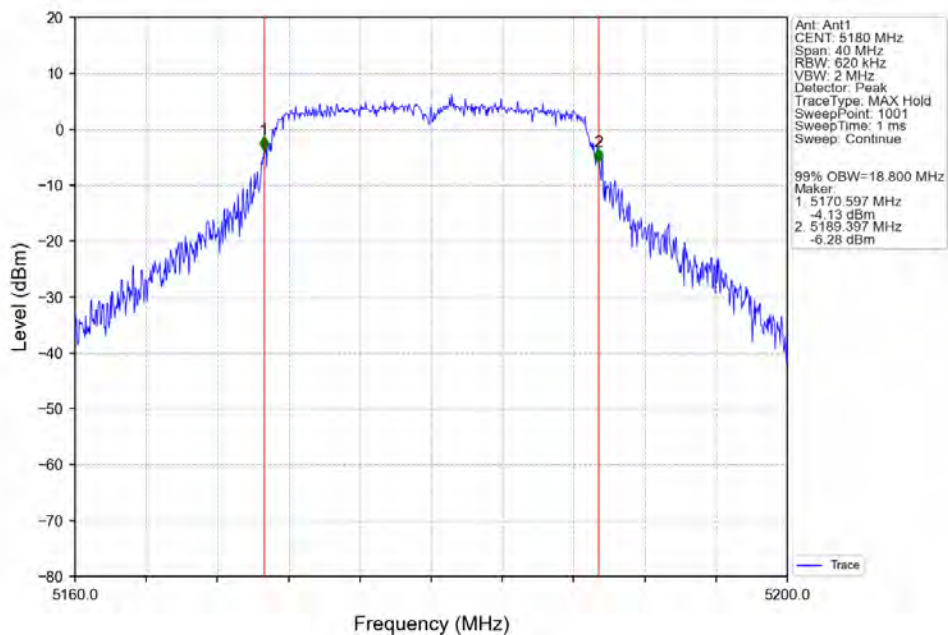


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

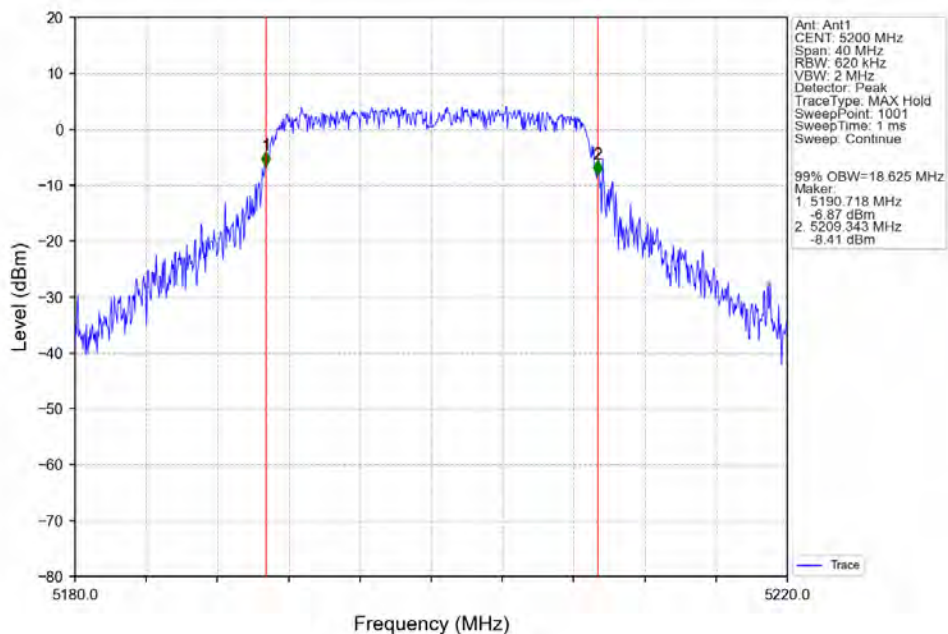




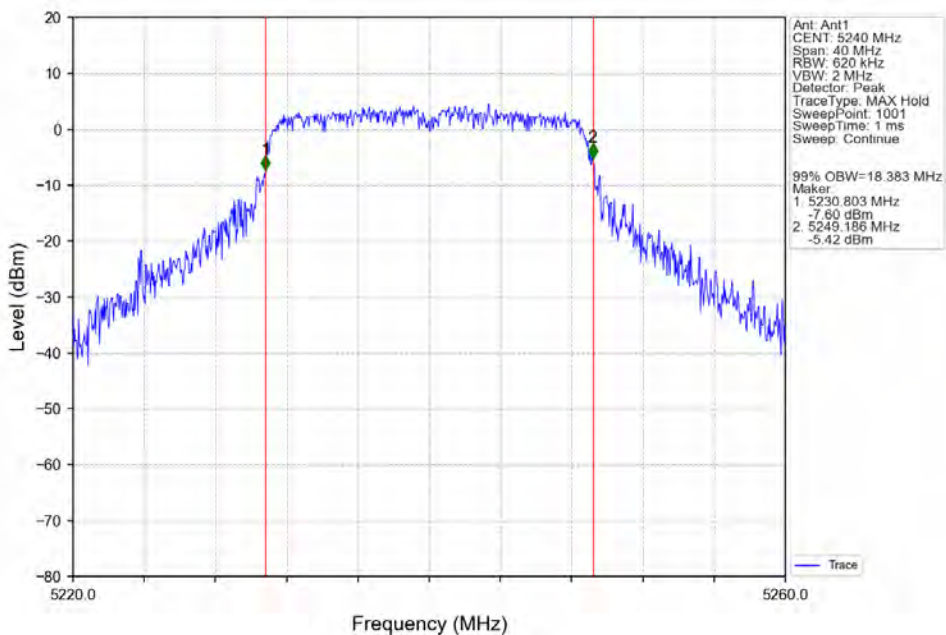
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



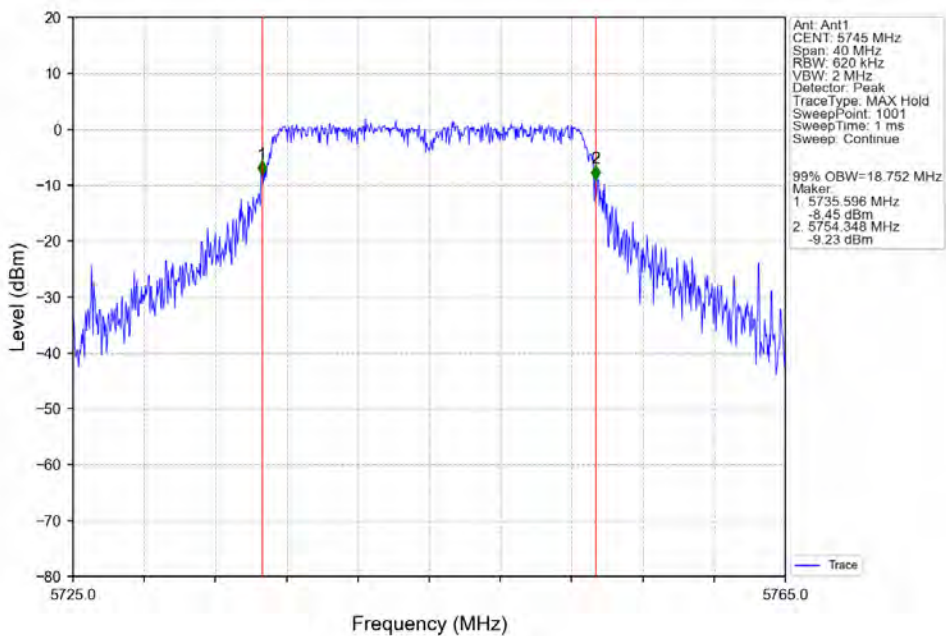
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



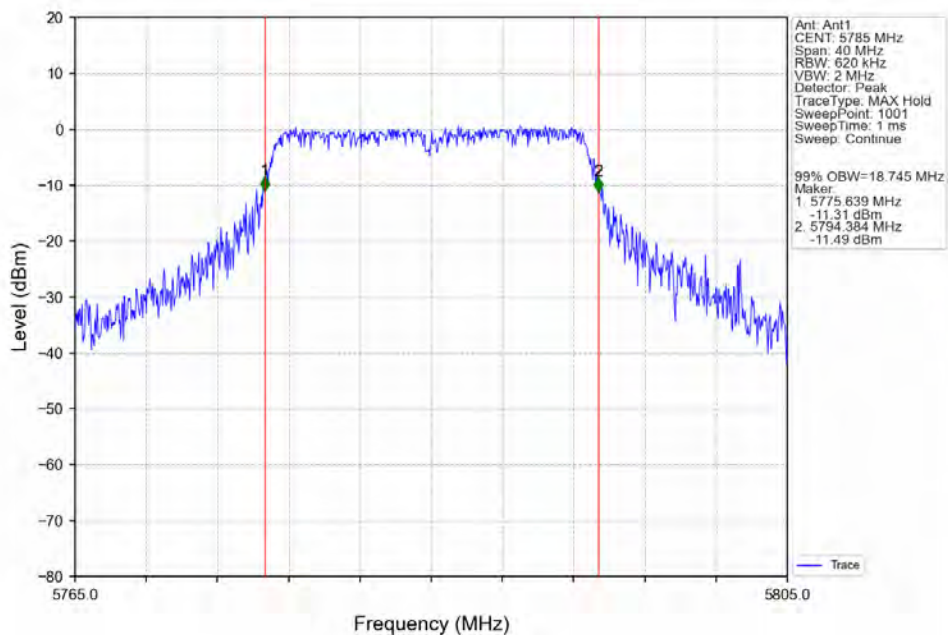
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



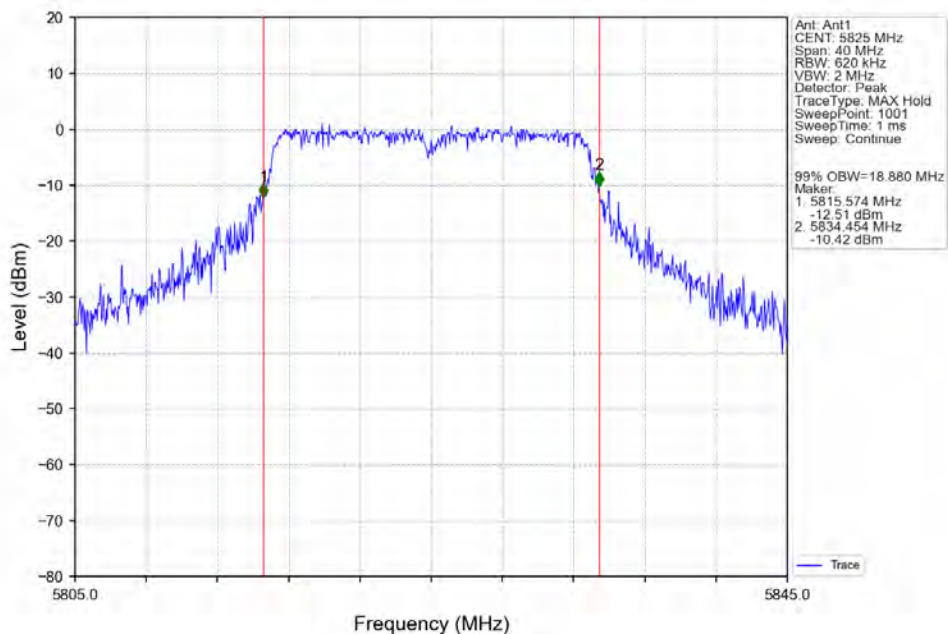
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



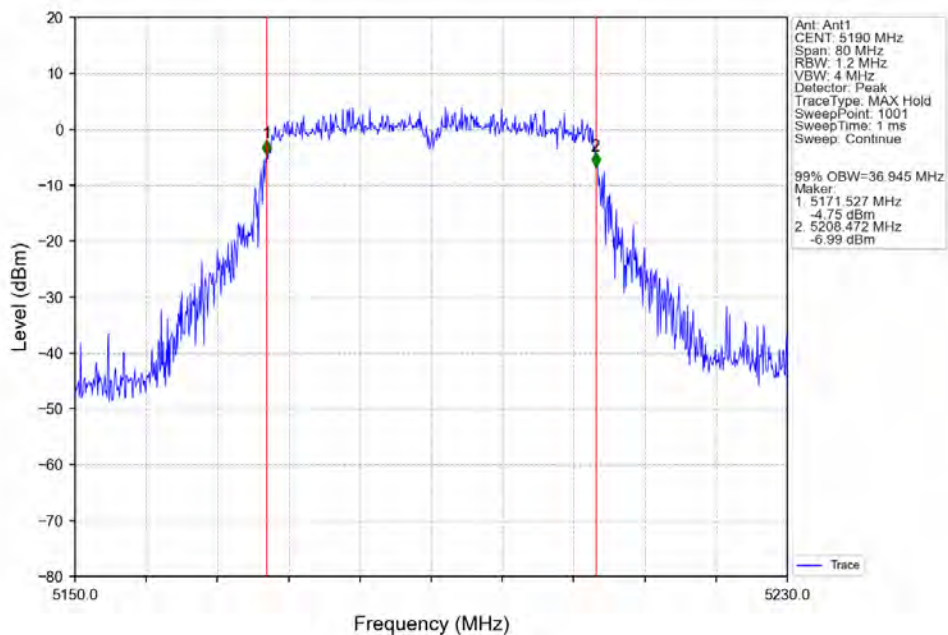
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



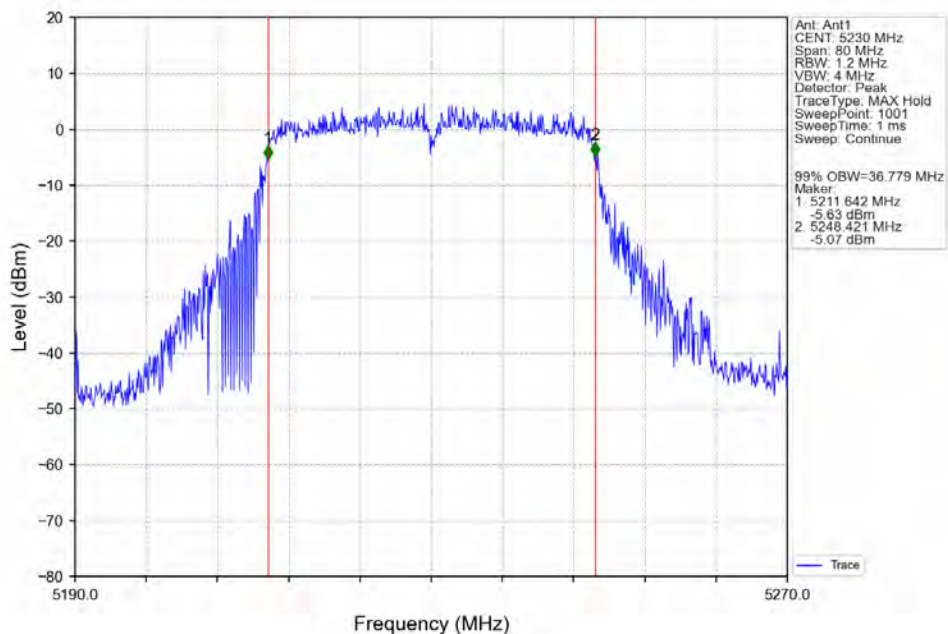
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



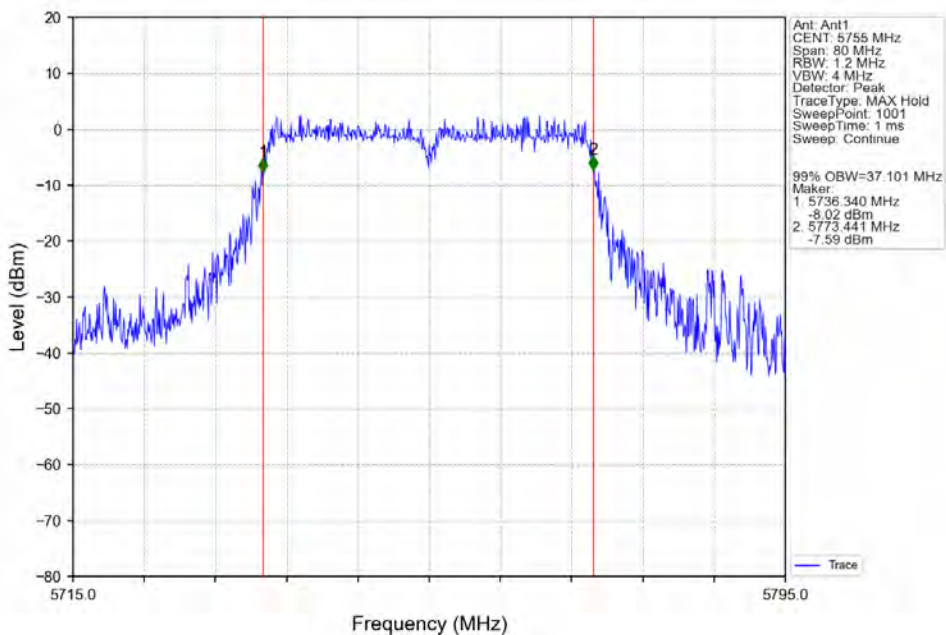
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



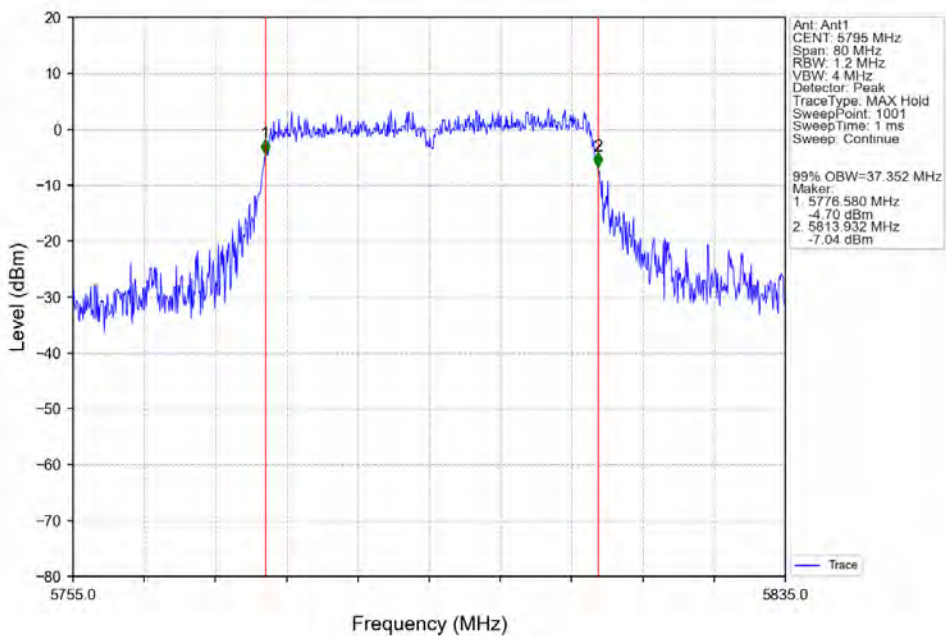
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

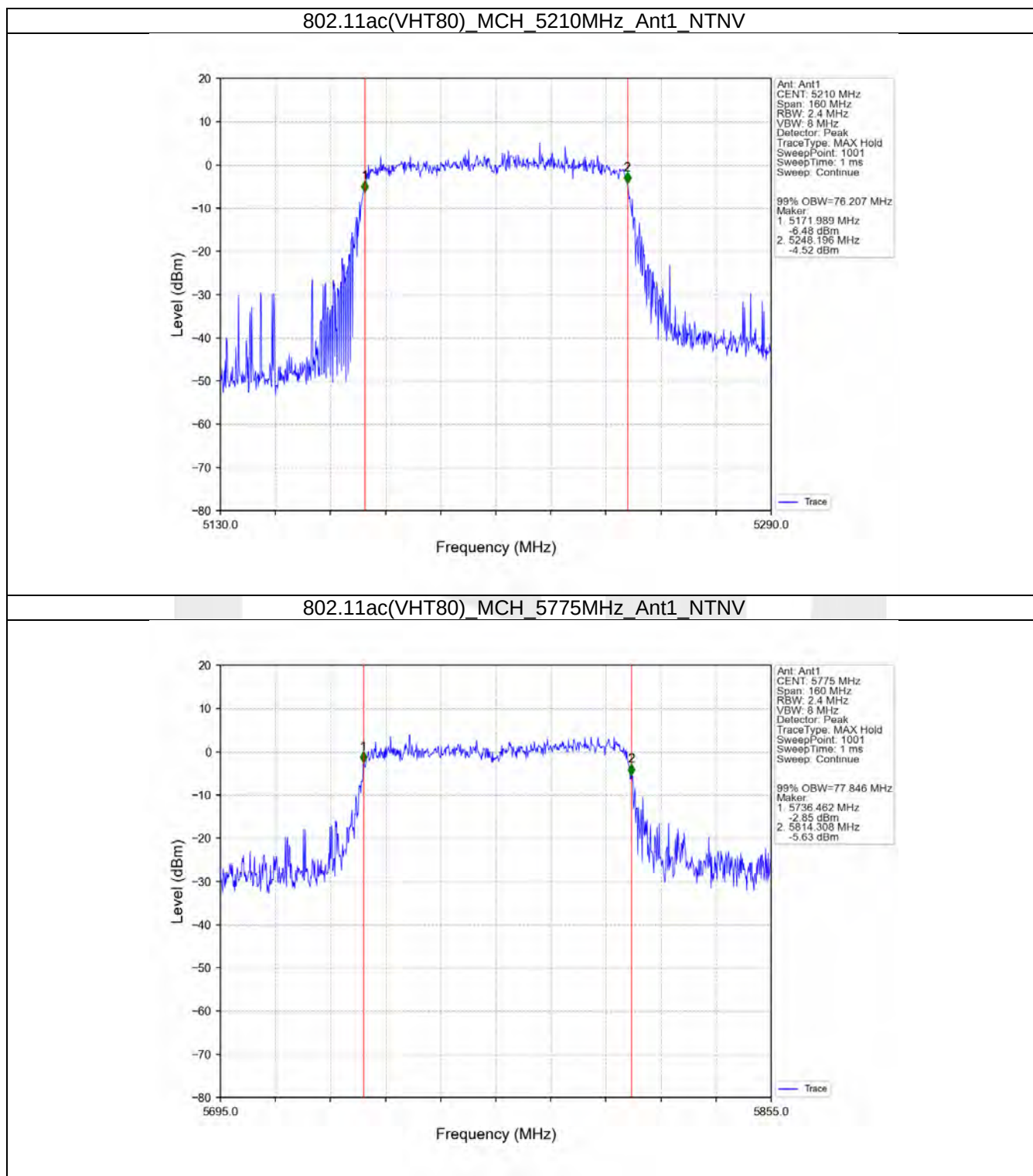


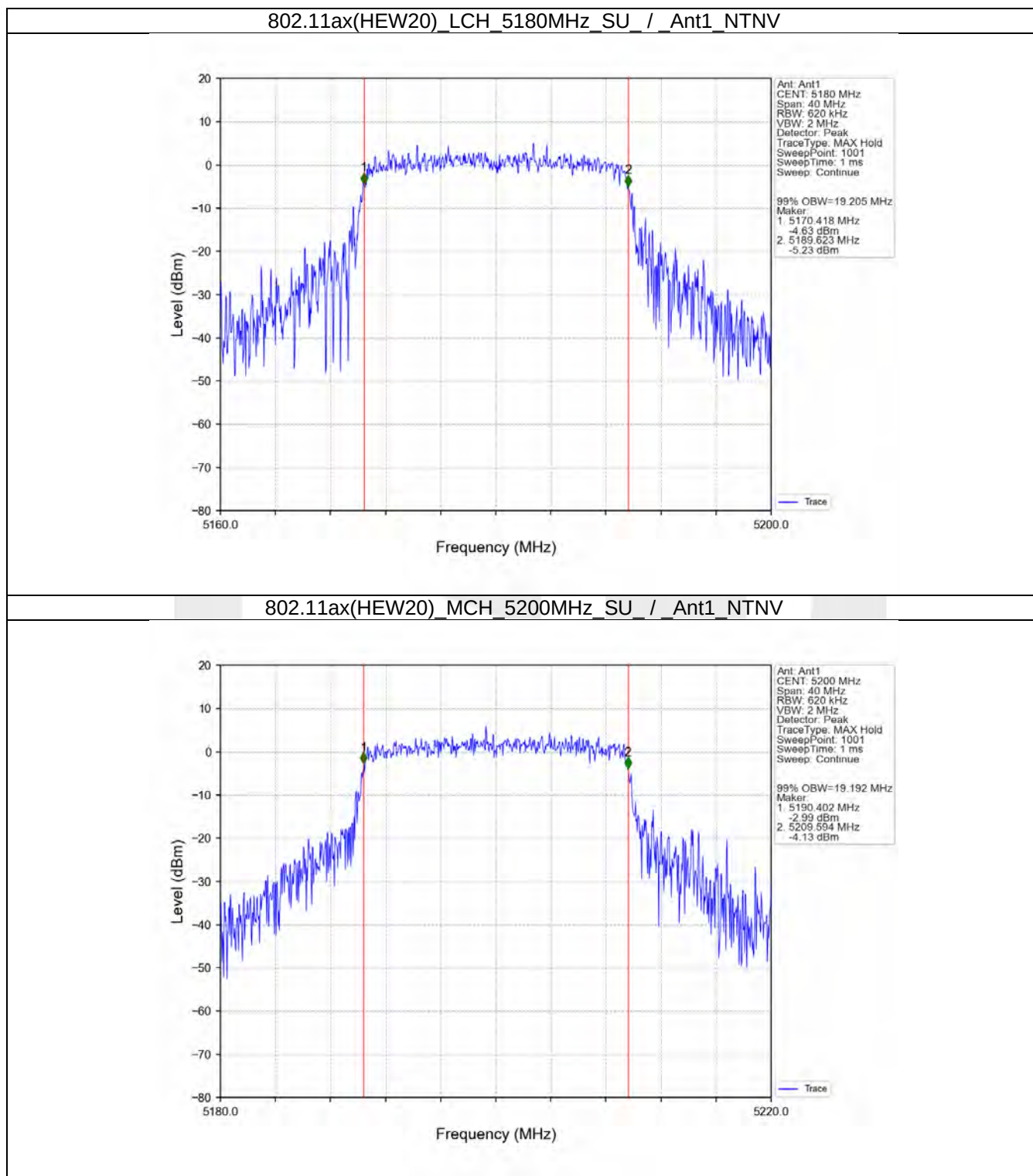
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

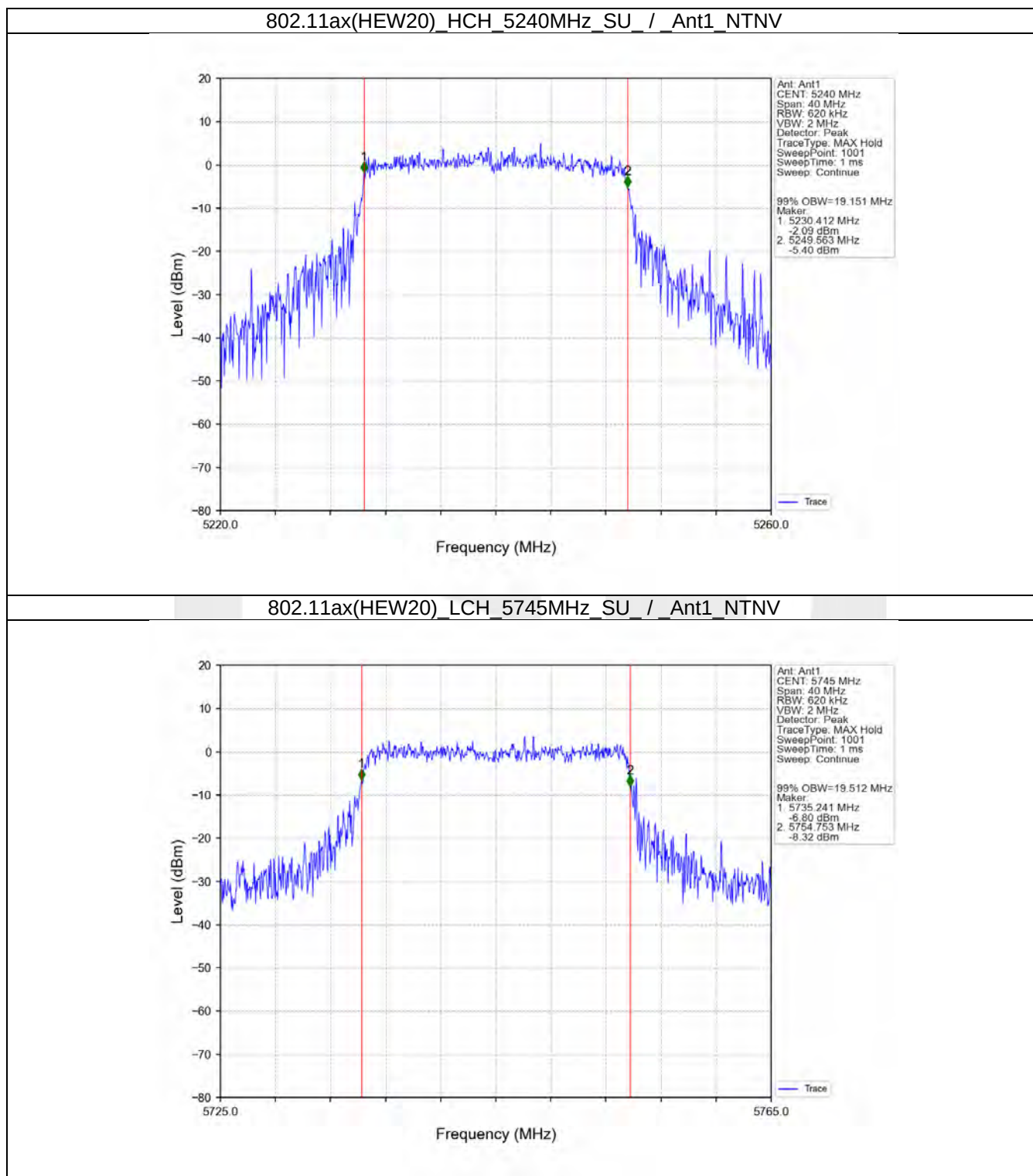


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

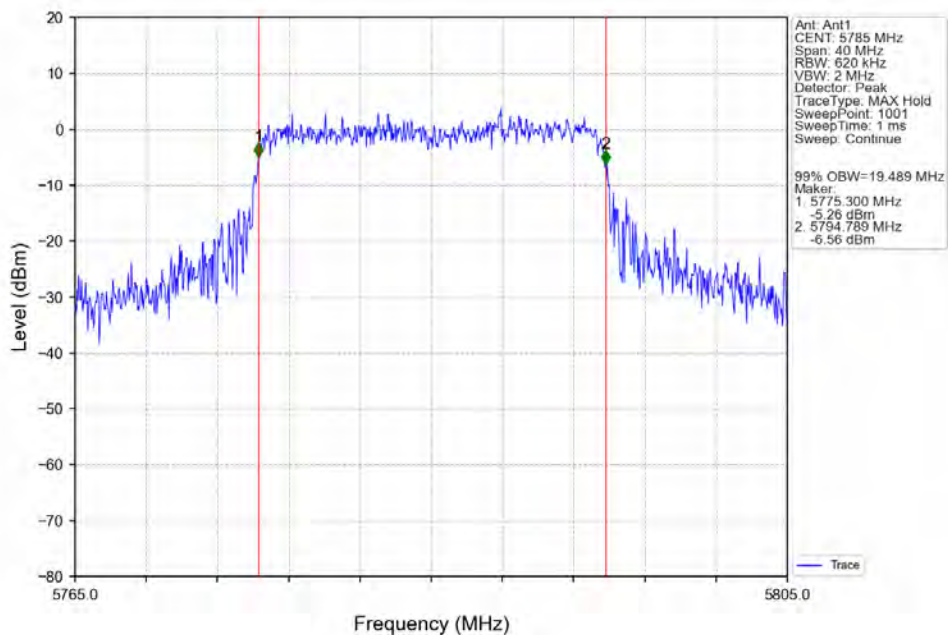




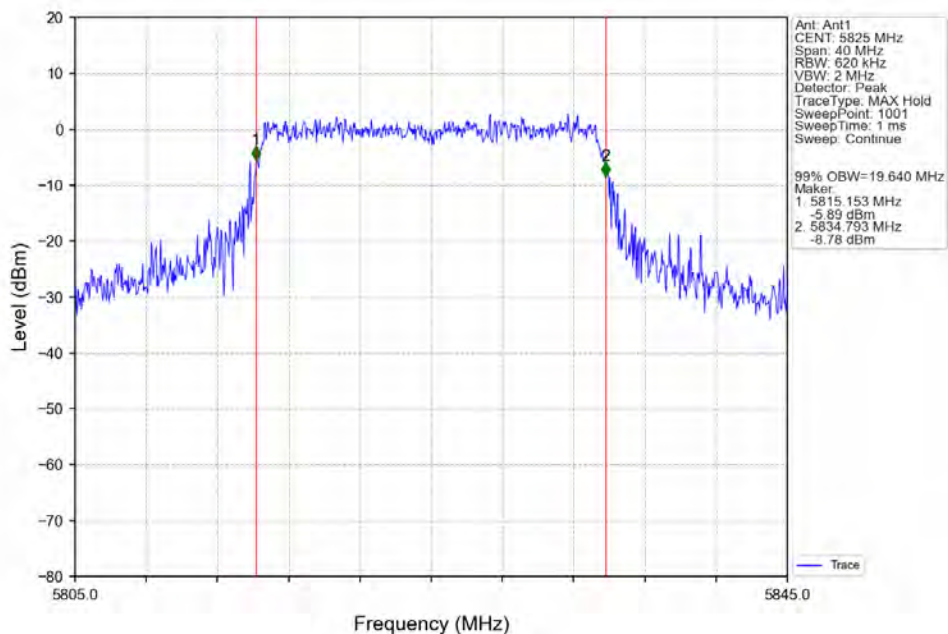


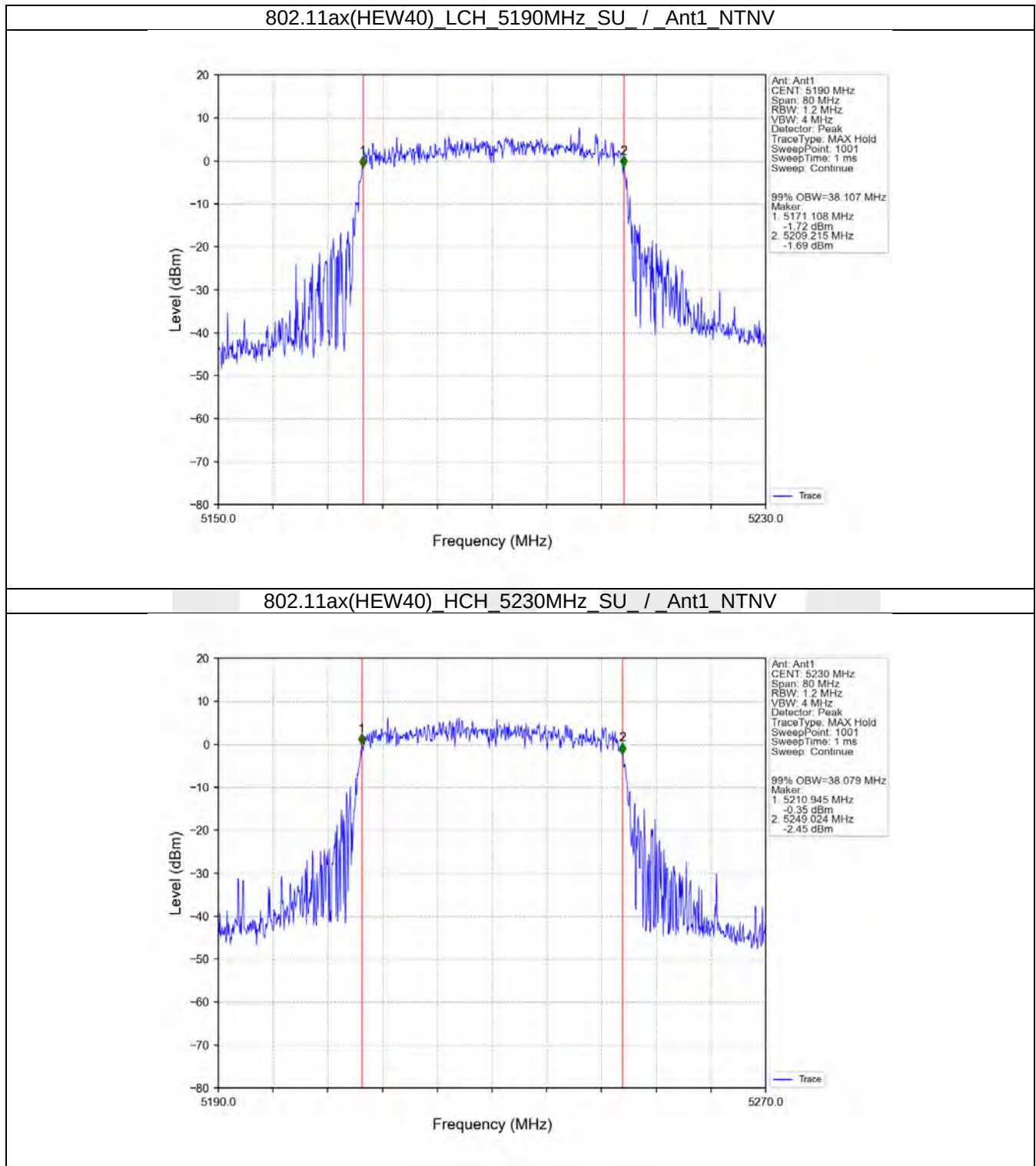


802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV

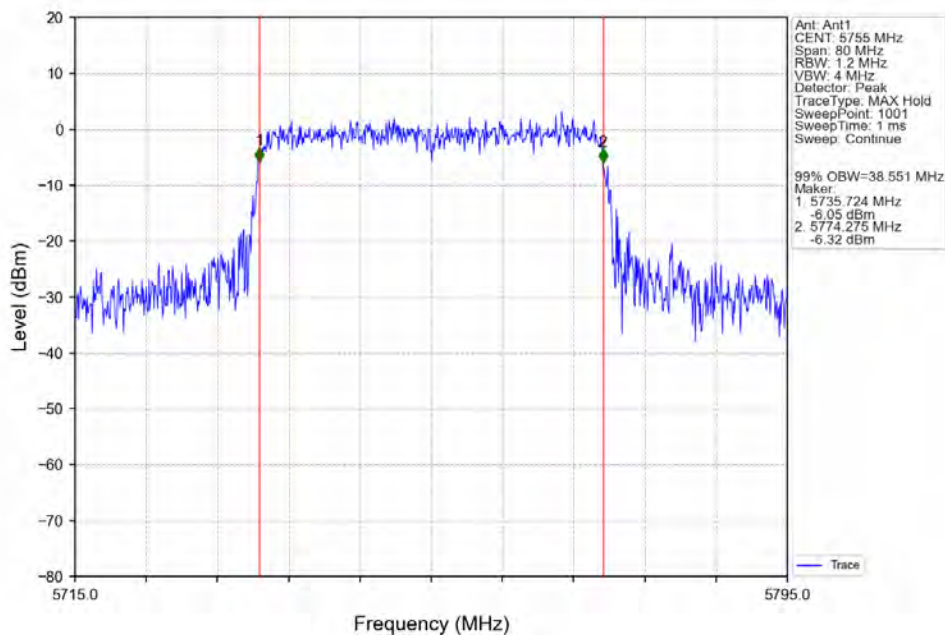


802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV

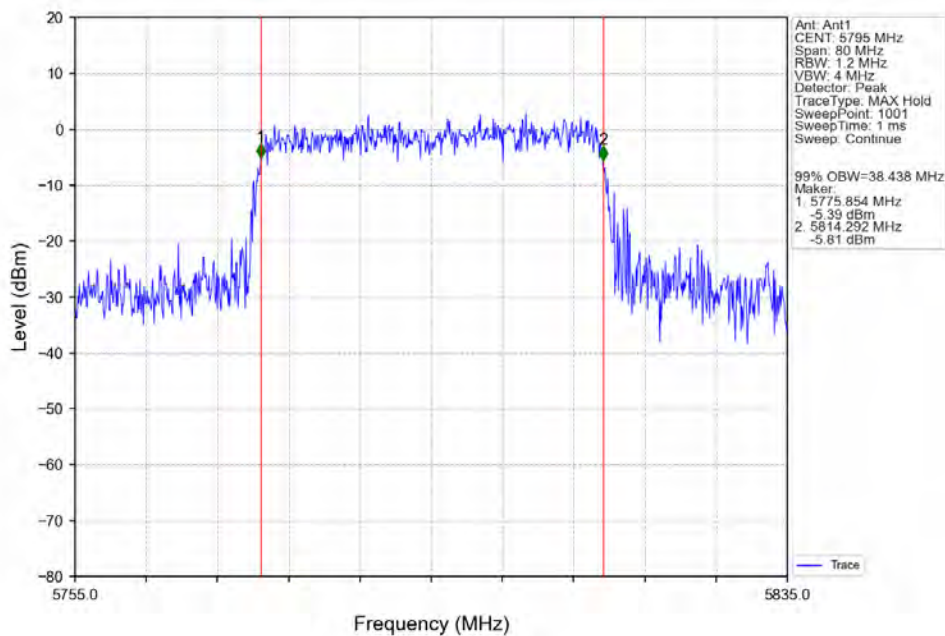


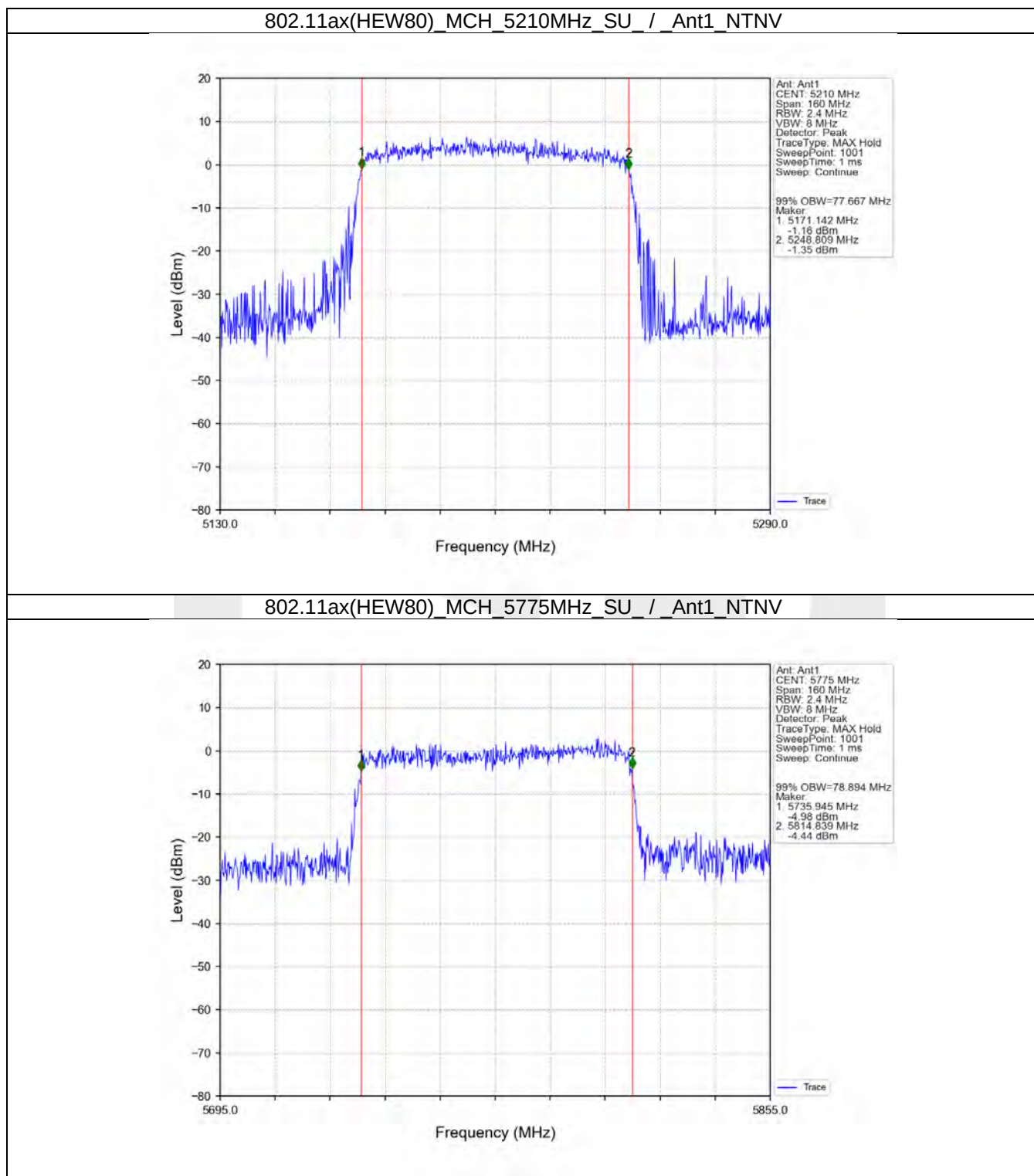


802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV

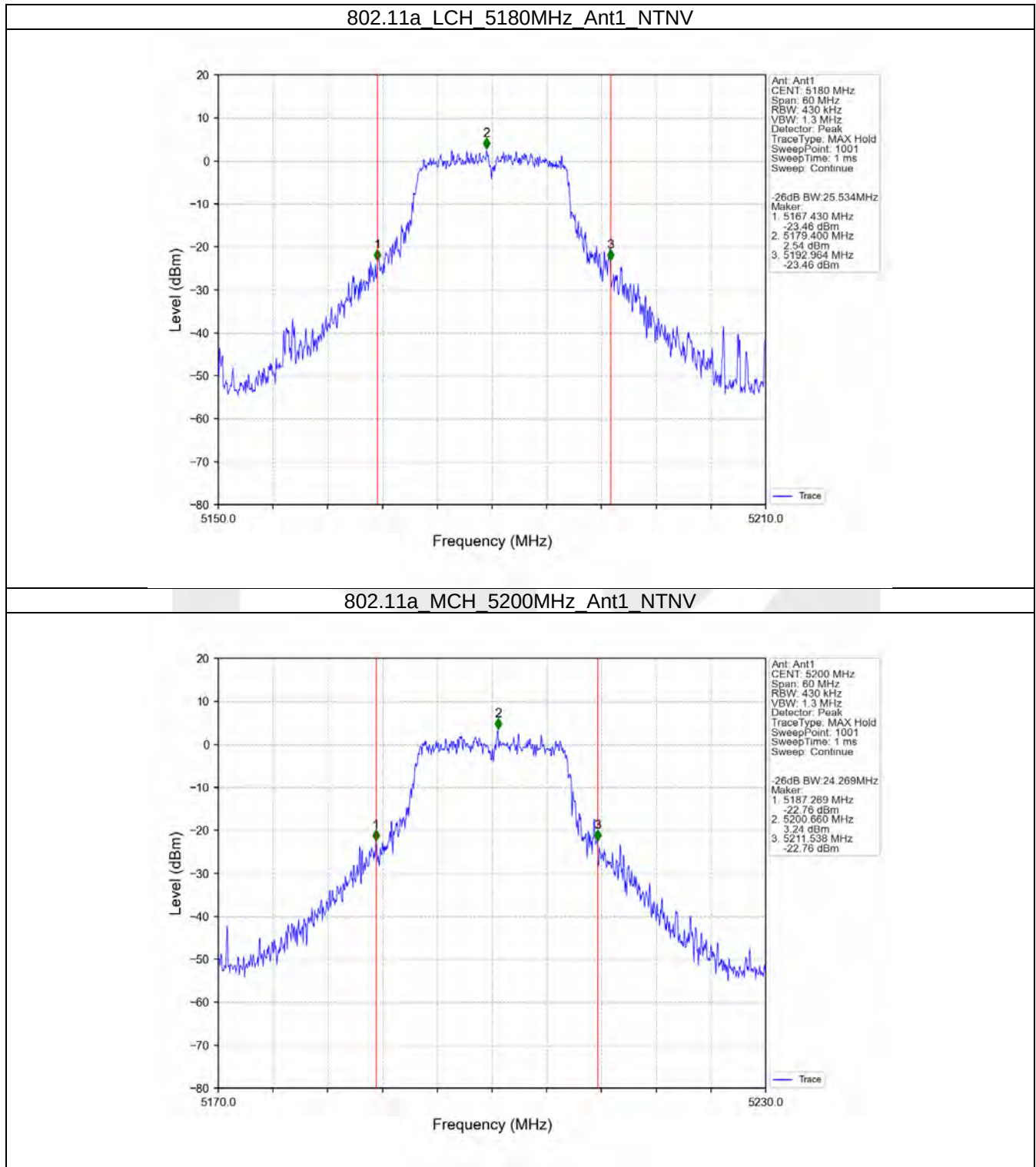


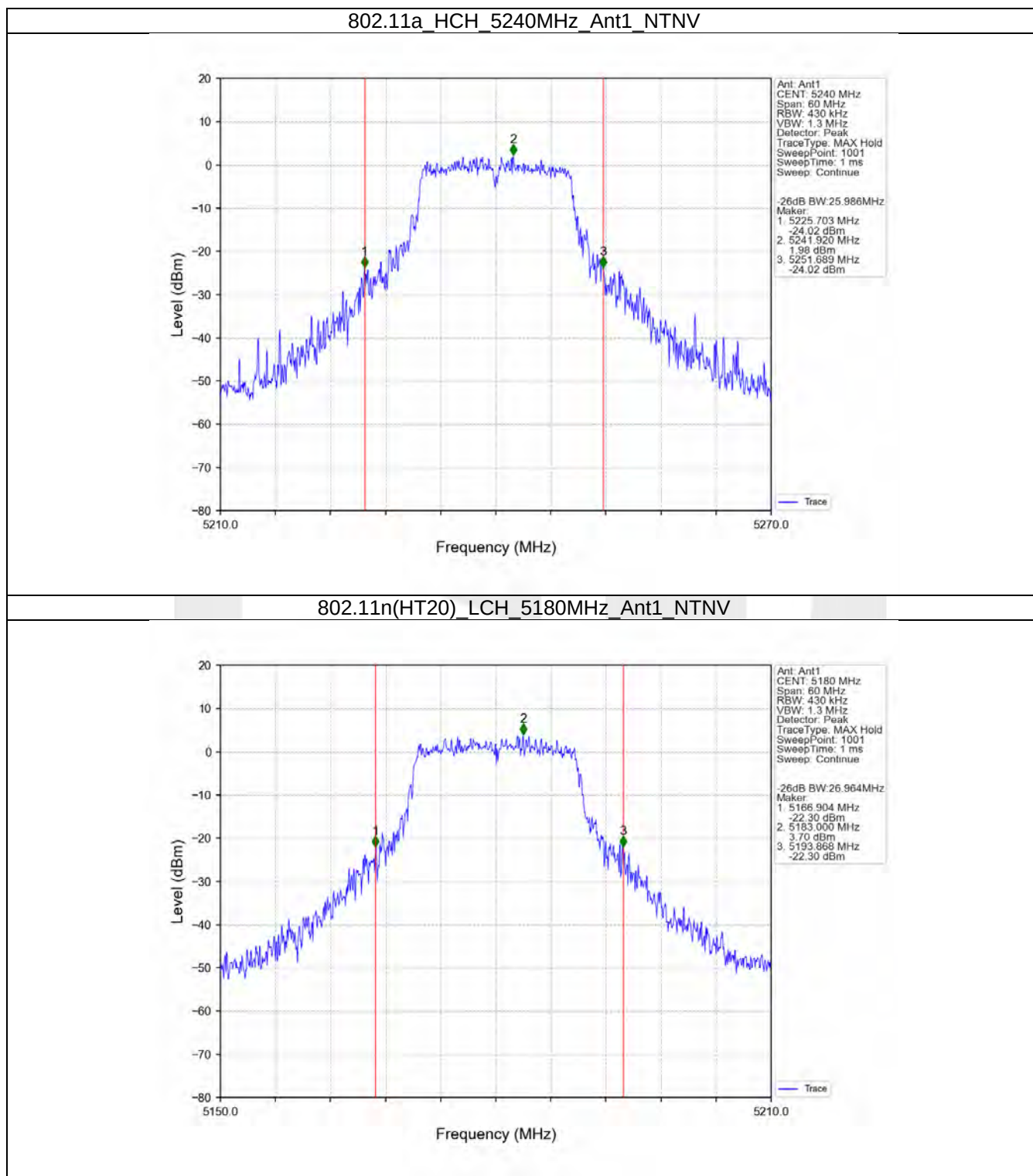
802.11ax(HEW40)_HCH_5795MHz_SU / _Ant1_NTNV



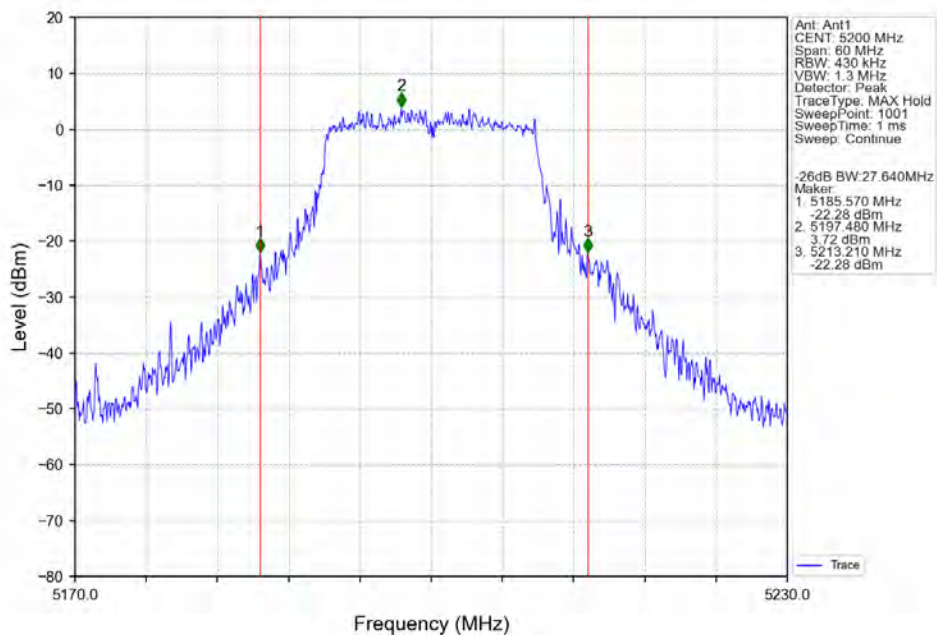


2.2.2 26dB BW

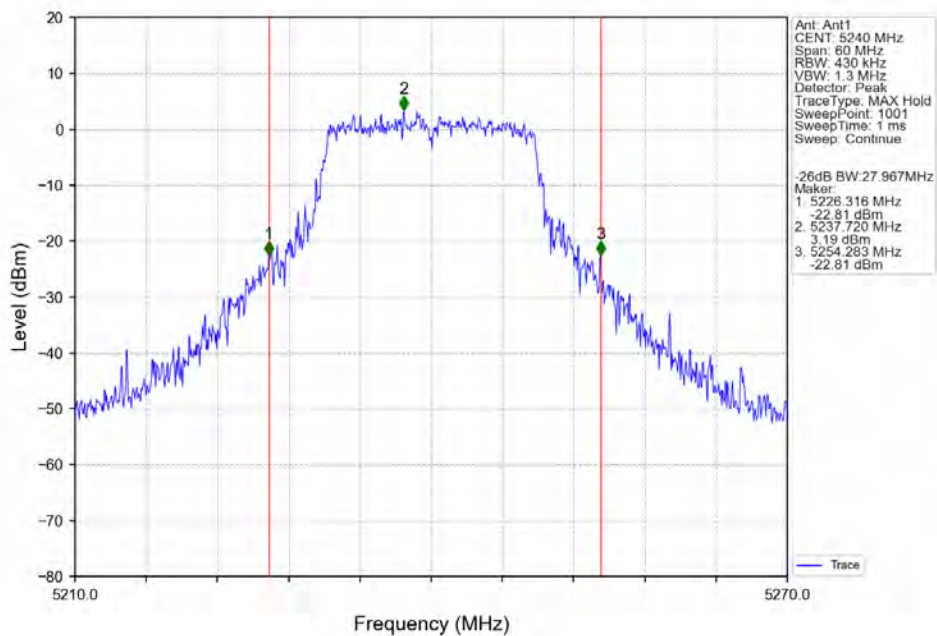




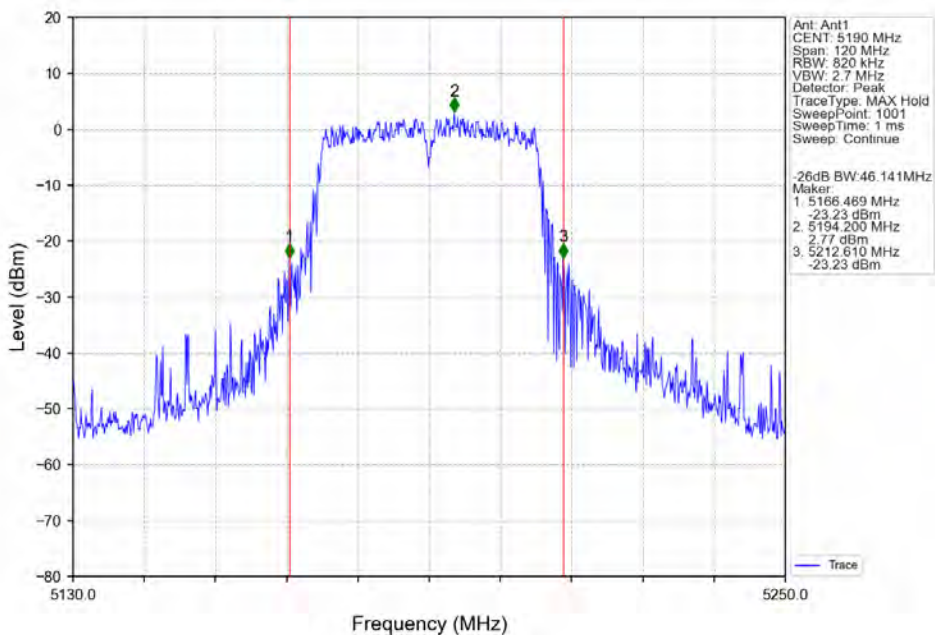
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



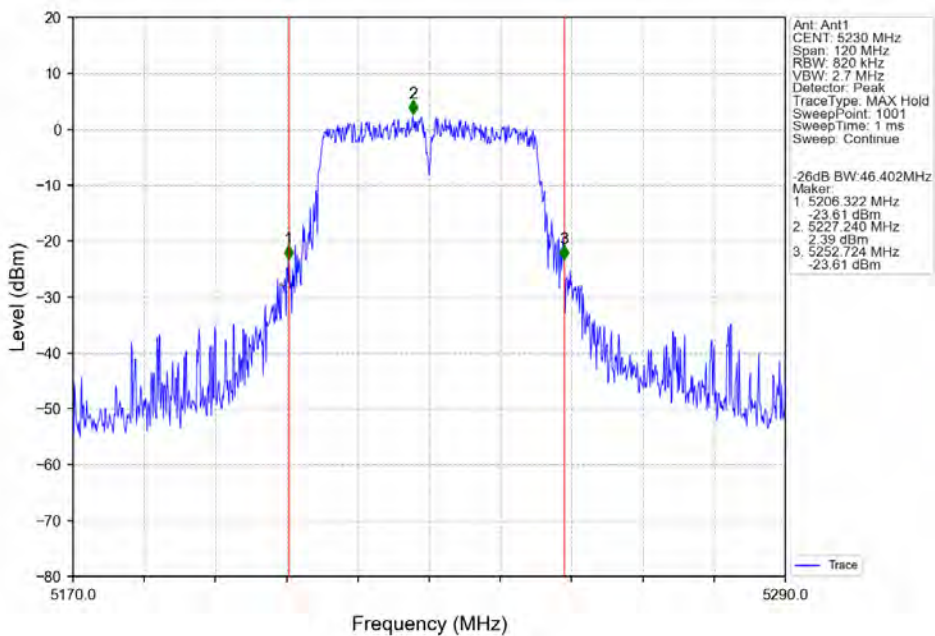
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



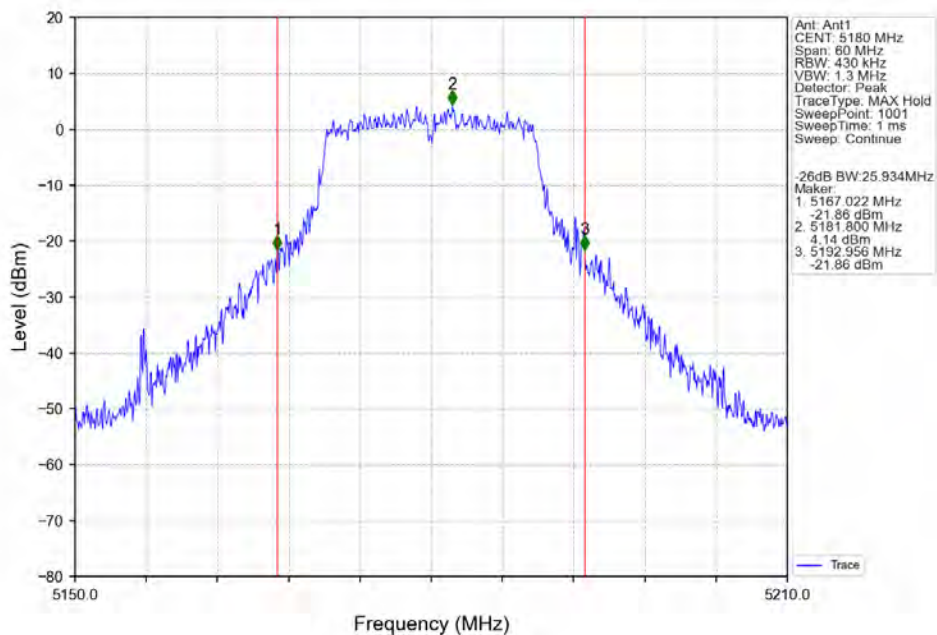
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



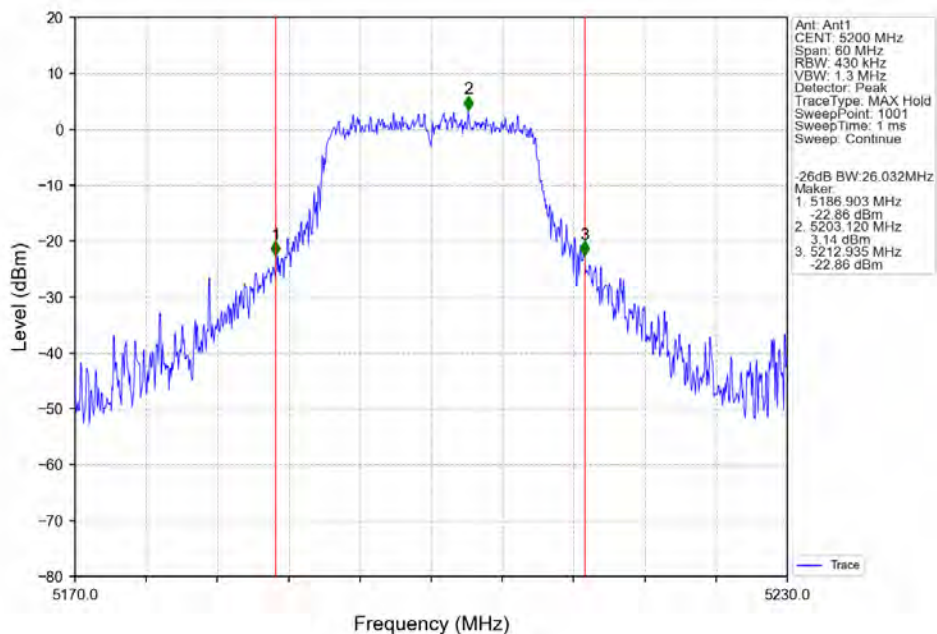
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



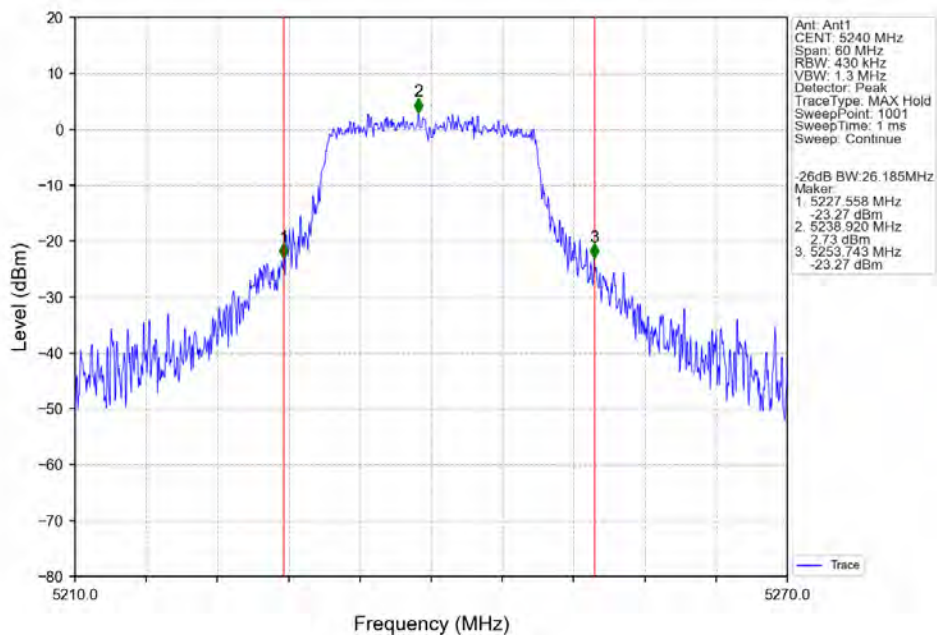
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



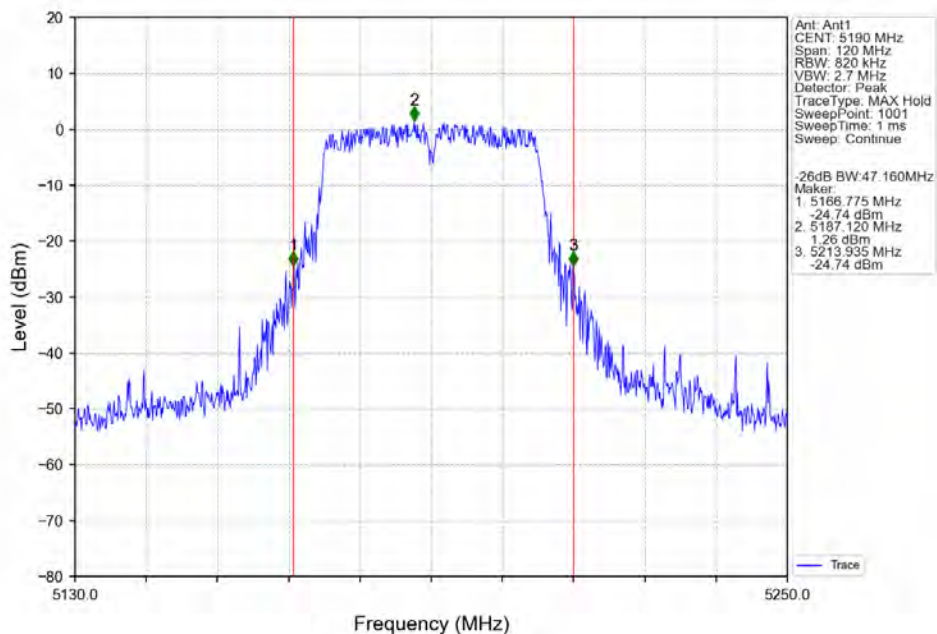
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



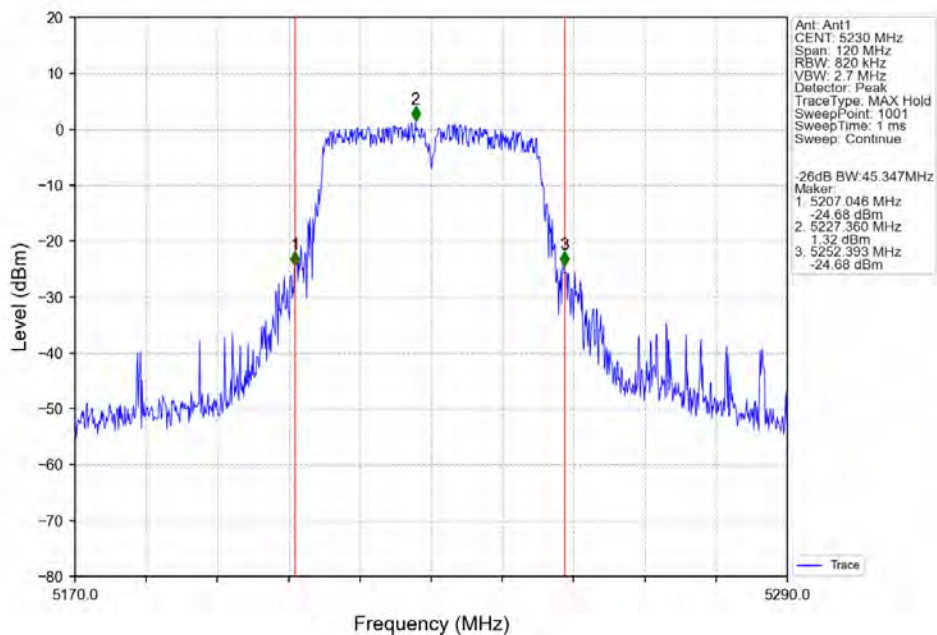
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



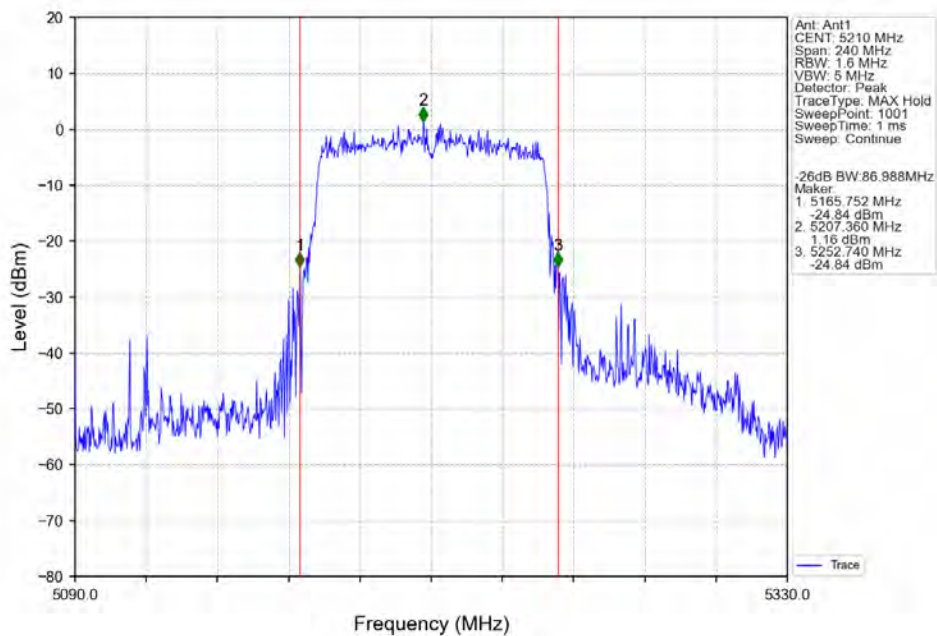
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



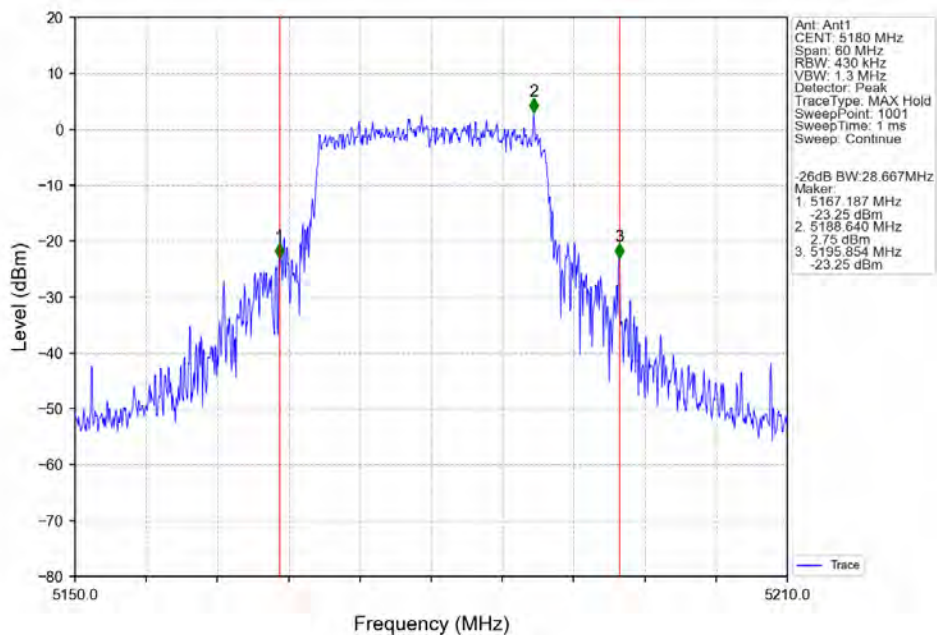
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



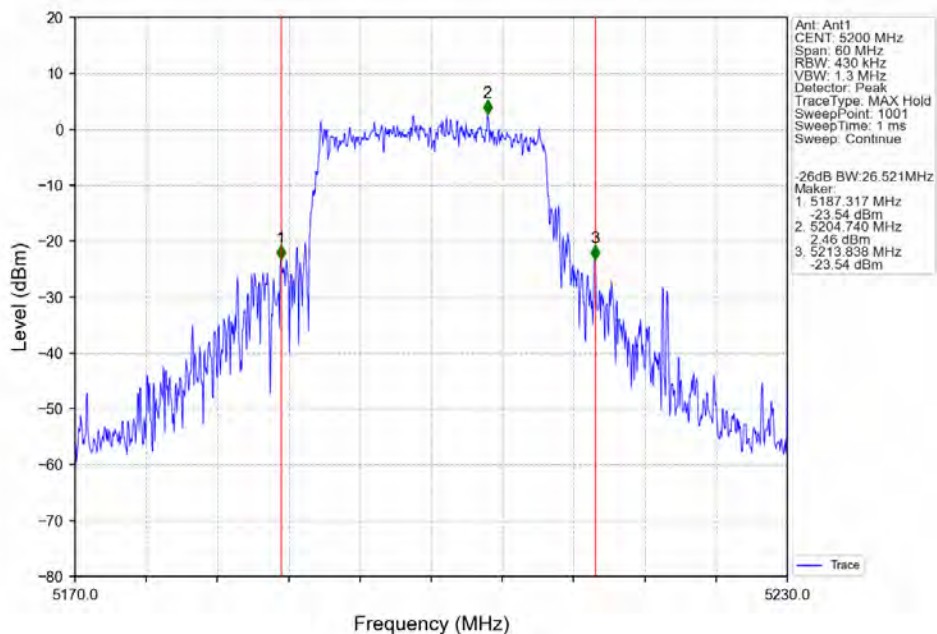
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



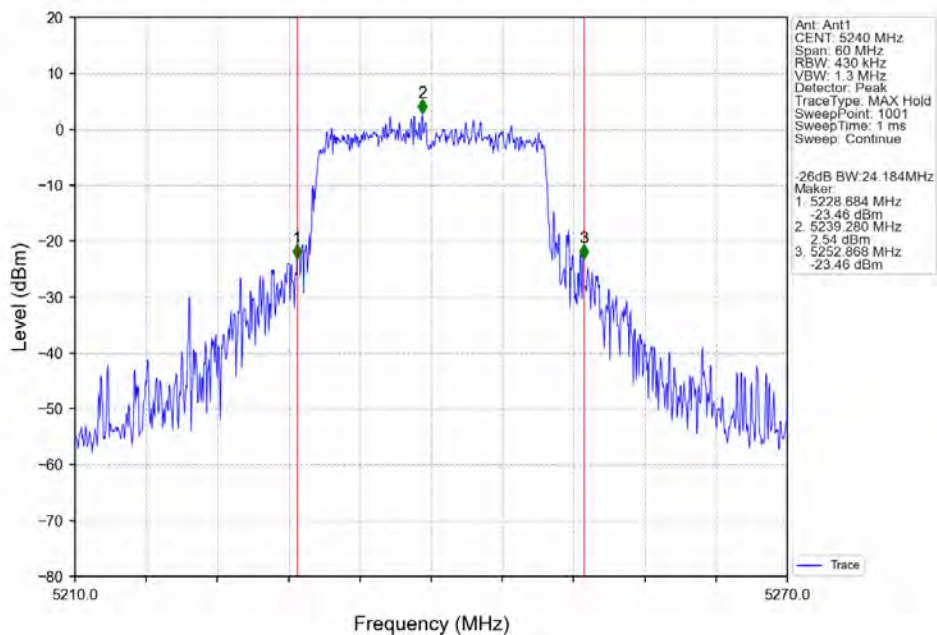
802.11ax(HEW20)_LCH_5180MHz_SU / _Ant1_NTNV



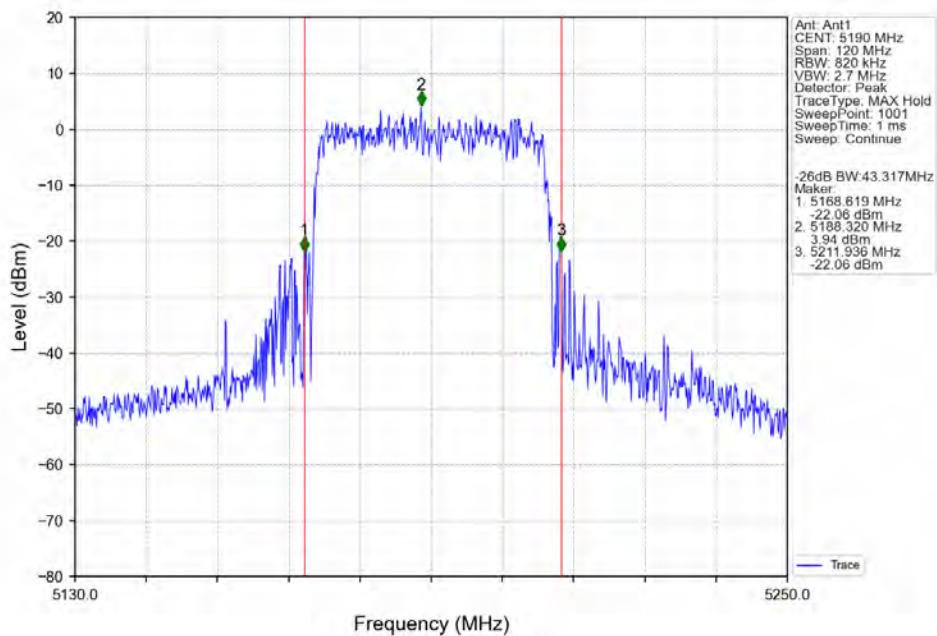
802.11ax(HEW20)_MCH_5200MHz_SU / _Ant1_NTNV



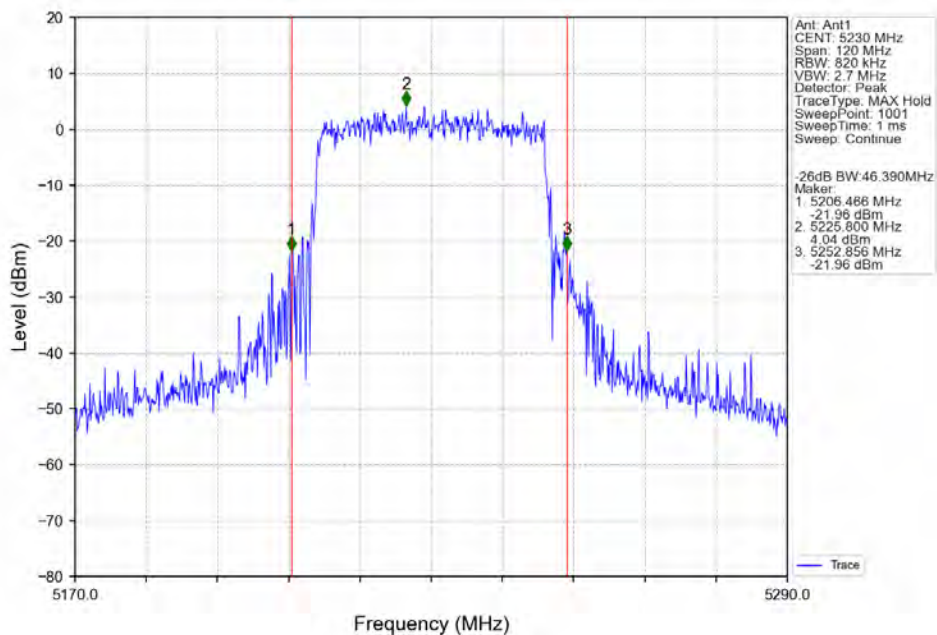
802.11ax(HEW20)_HCH_5240MHz_SU / _Ant1_NTNV



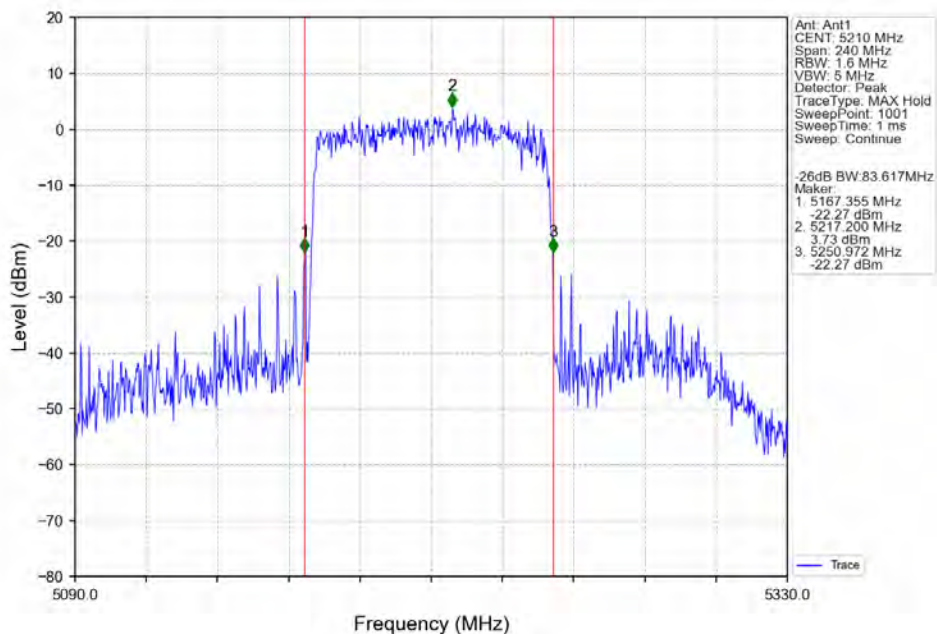
802.11ax(HEW40)_LCH_5190MHz_SU / _Ant1_NTNV



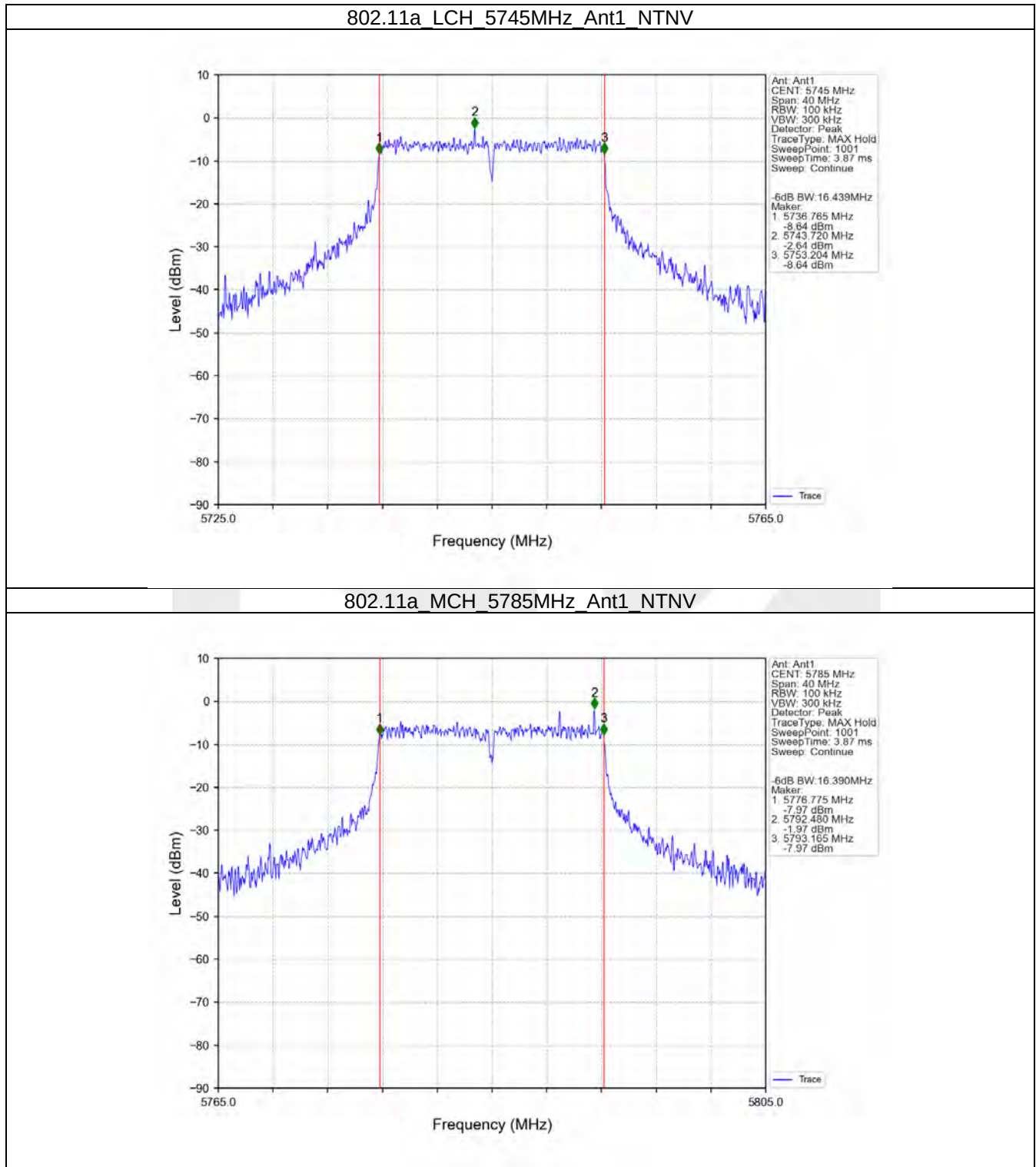
802.11ax(HEW40)_HCH_5230MHz_SU / _Ant1_NTNV

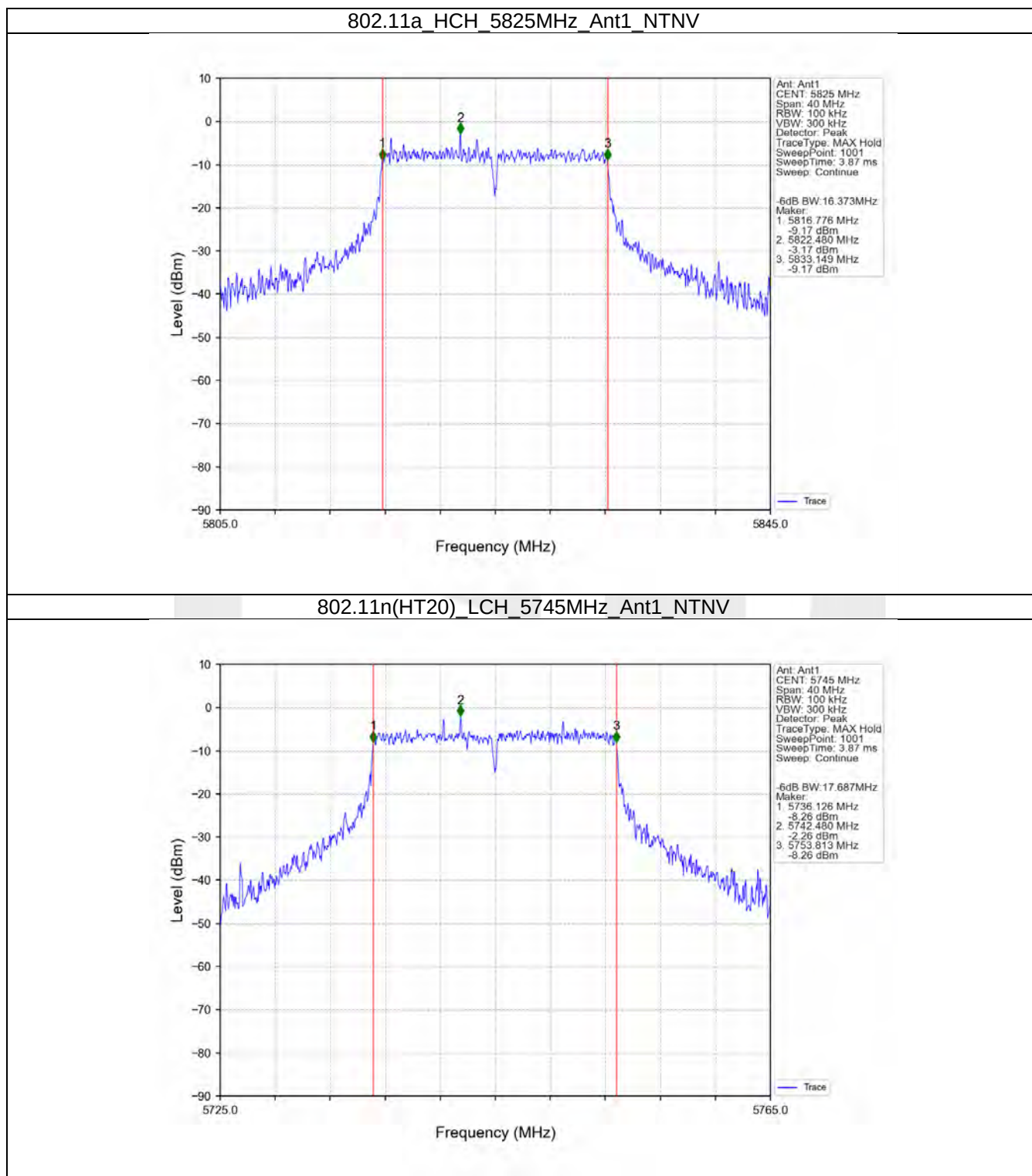


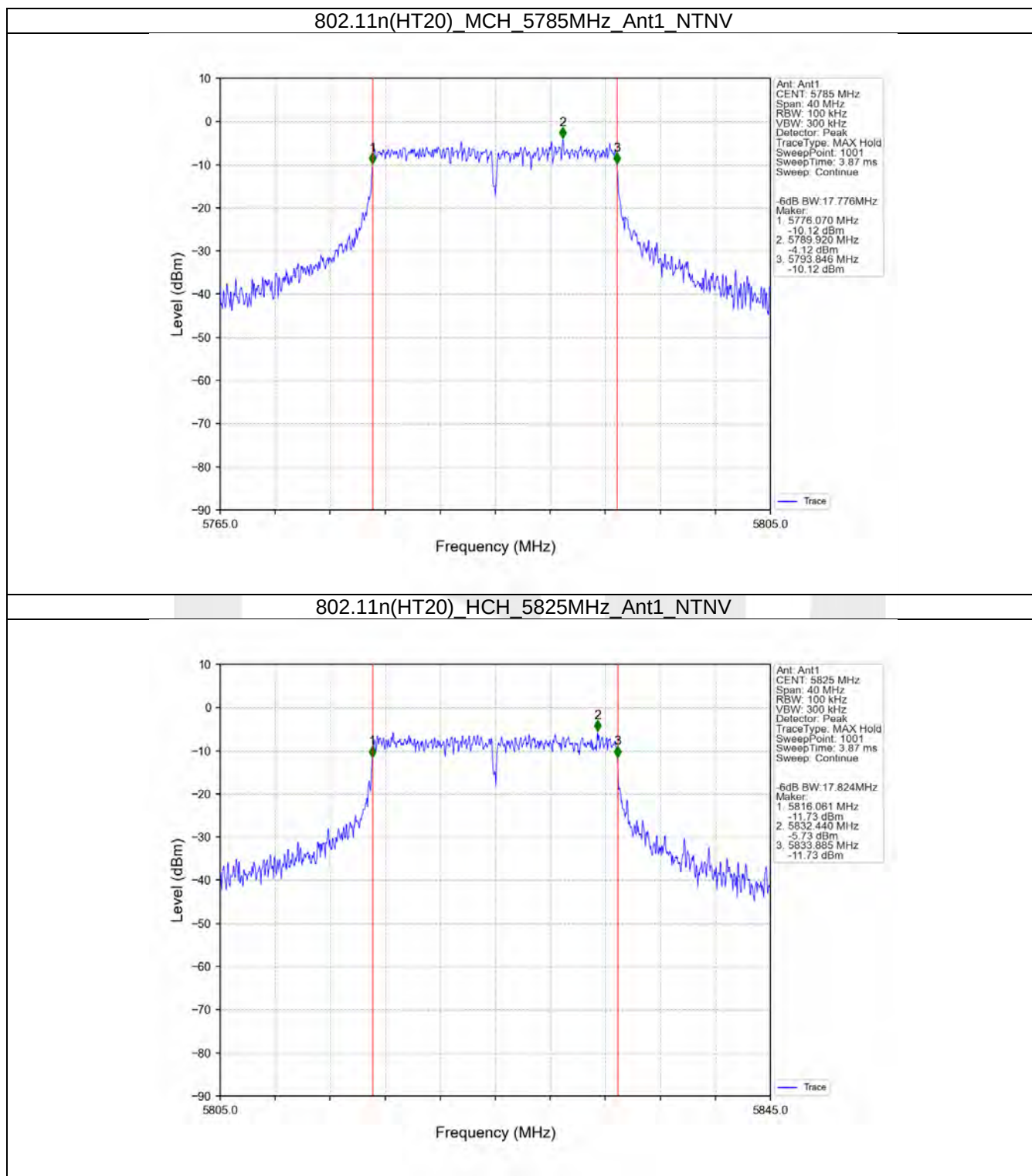
802.11ax(HEW80)_MCH_5210MHz_SU / _Ant1_NTNV



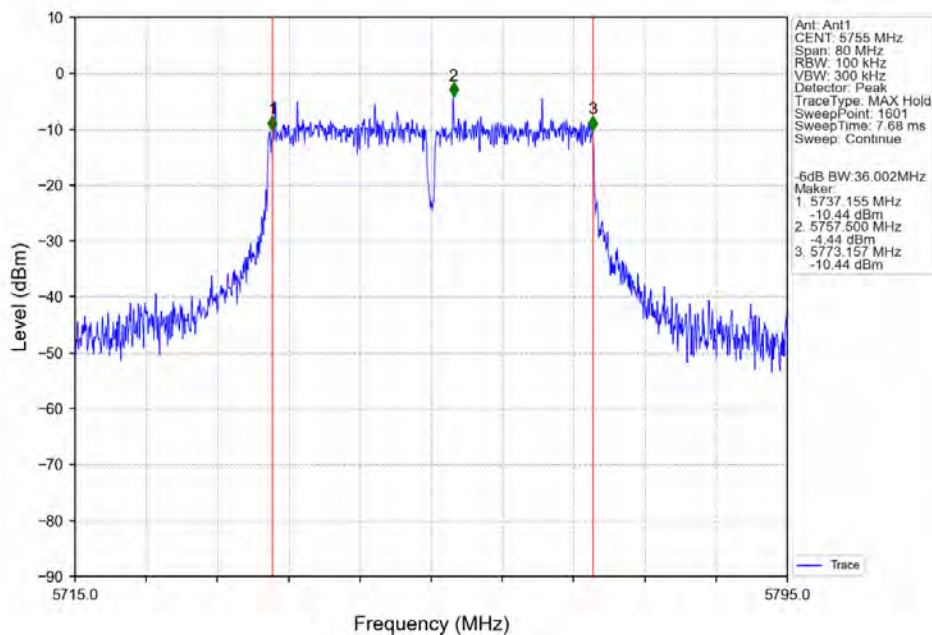
2.2.3 6dB BW



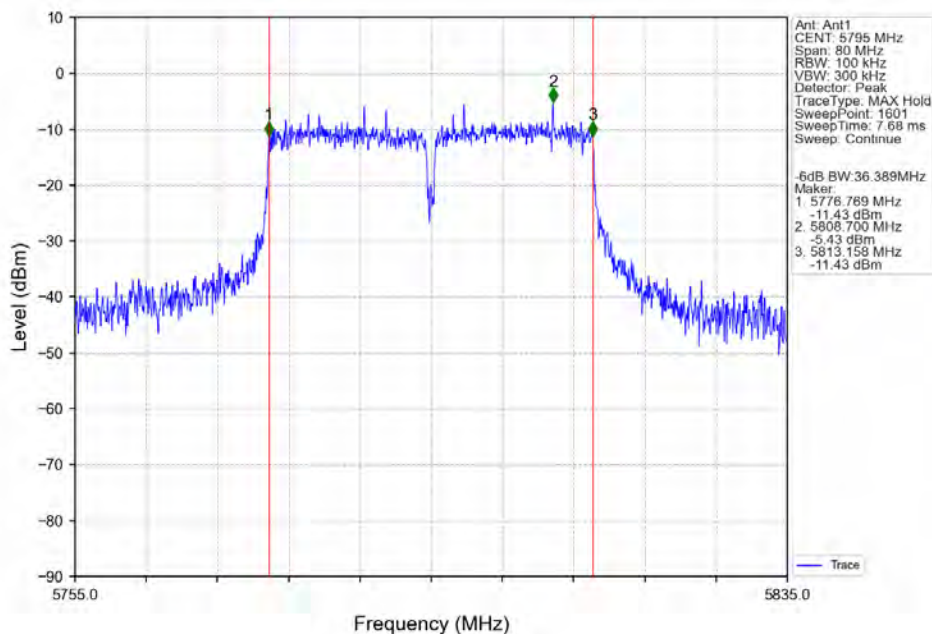




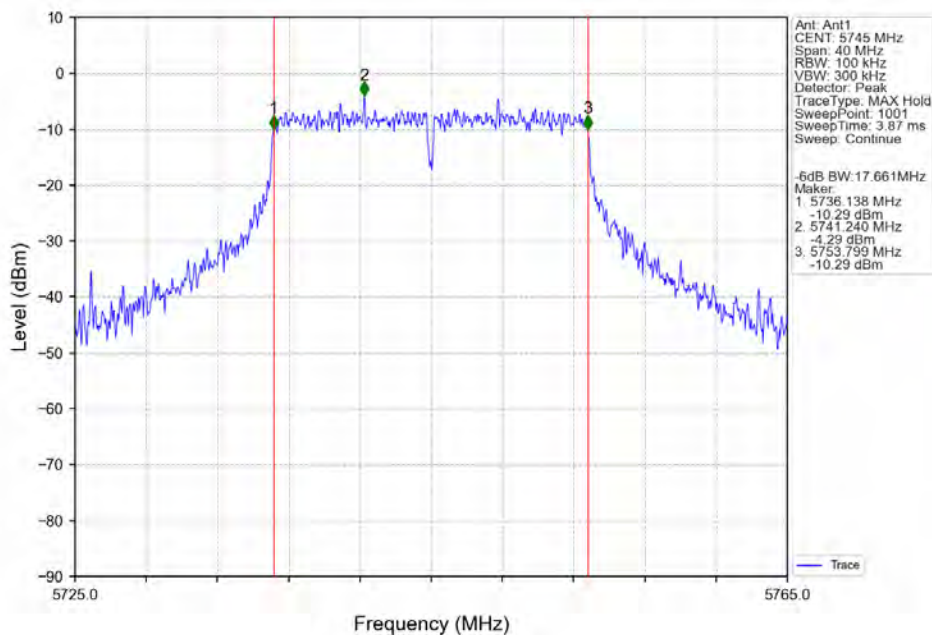
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



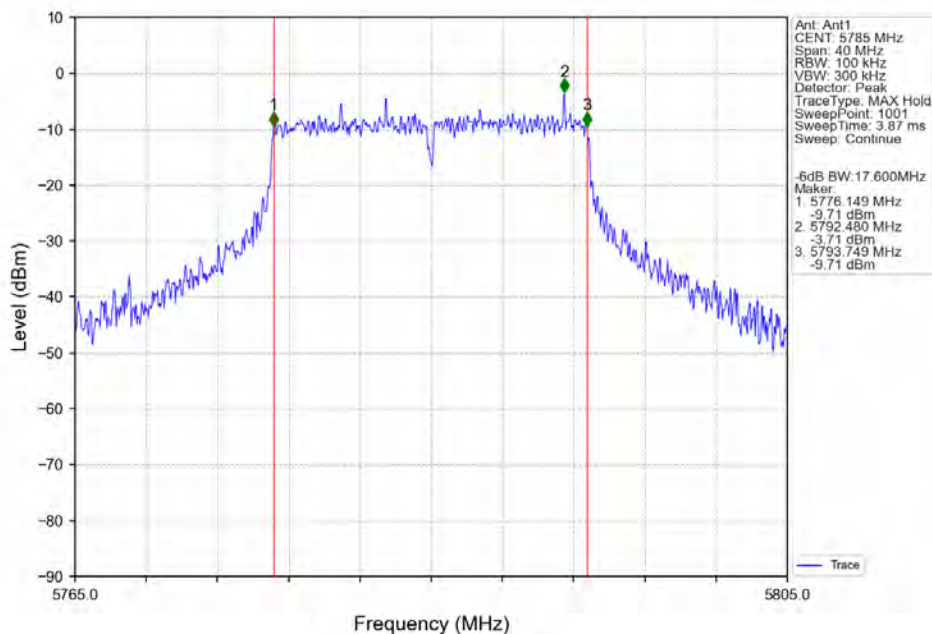
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



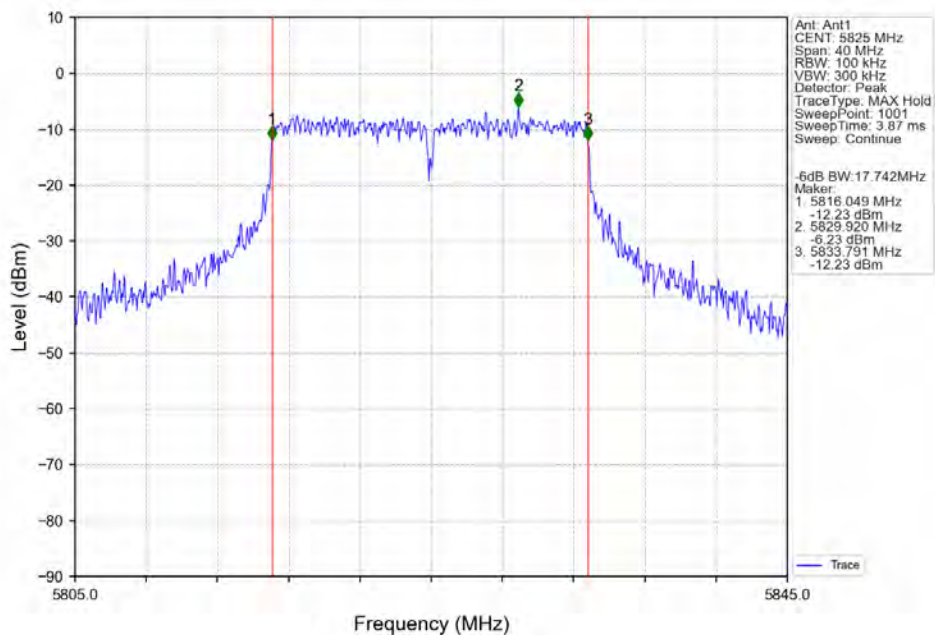
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



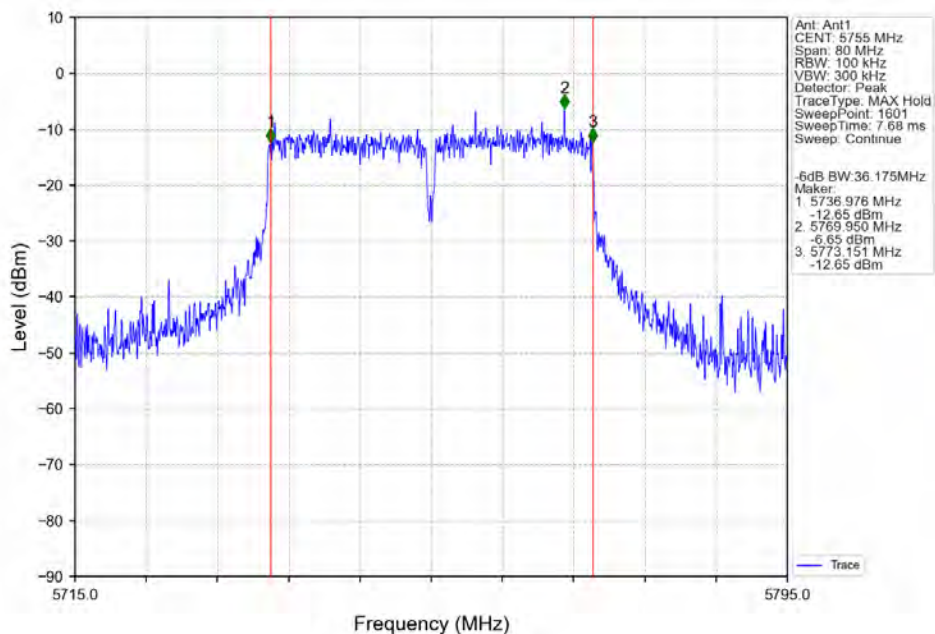
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



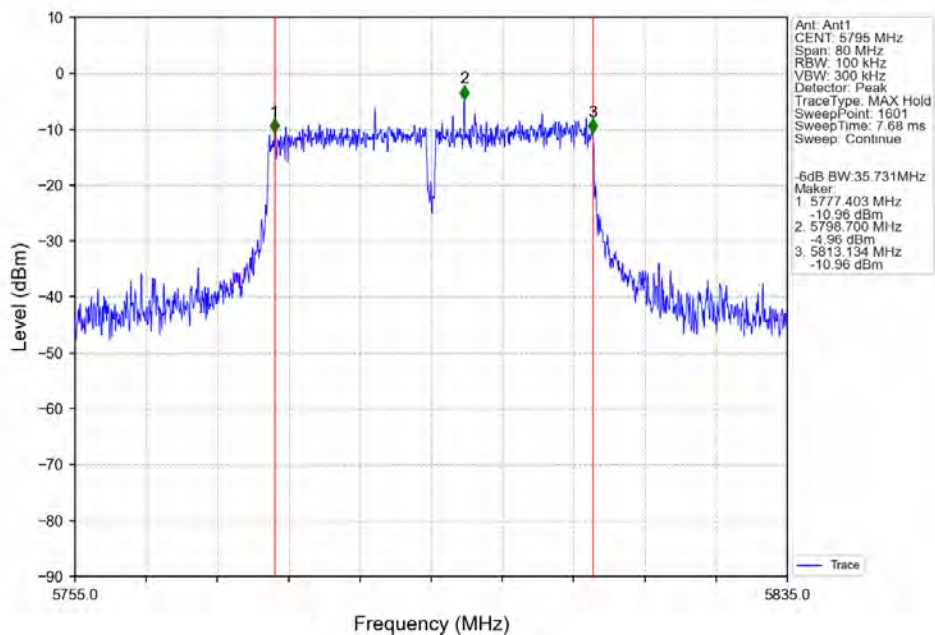
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



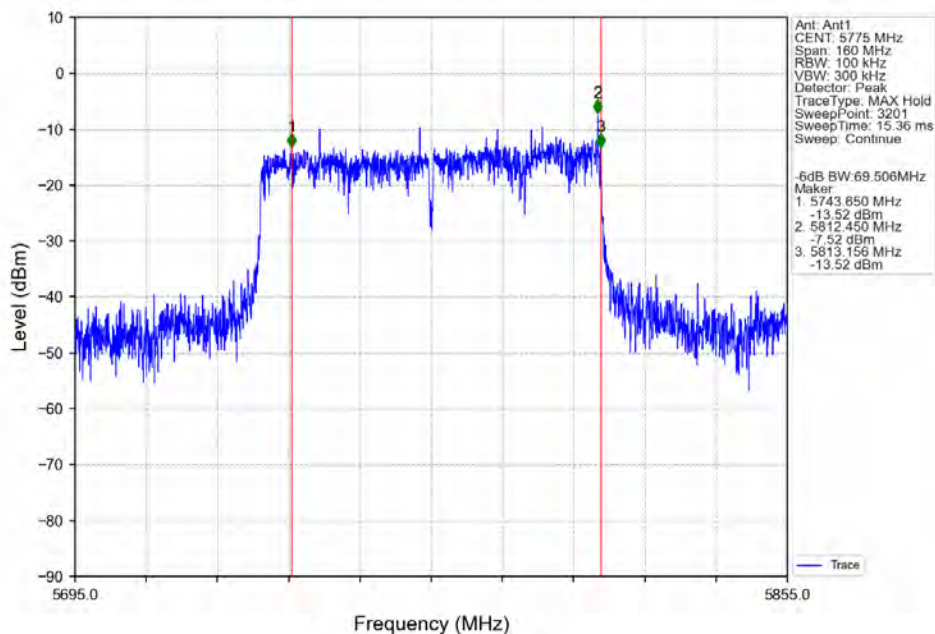
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



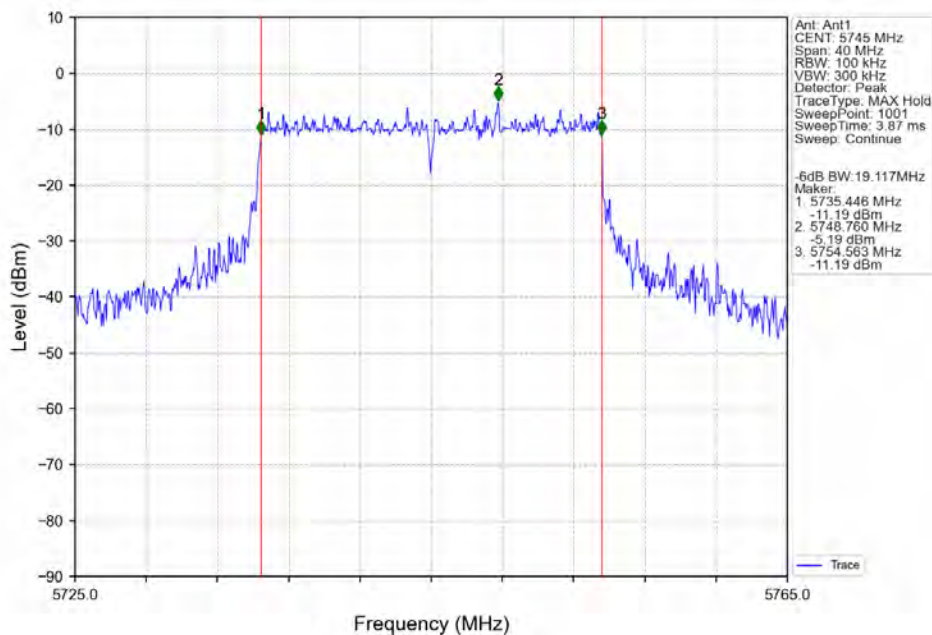
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



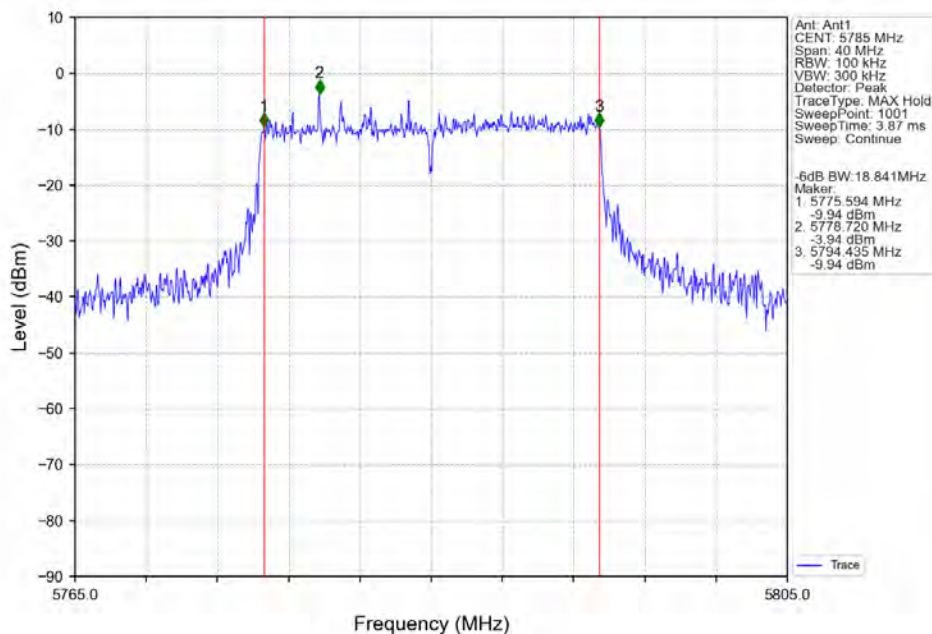
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



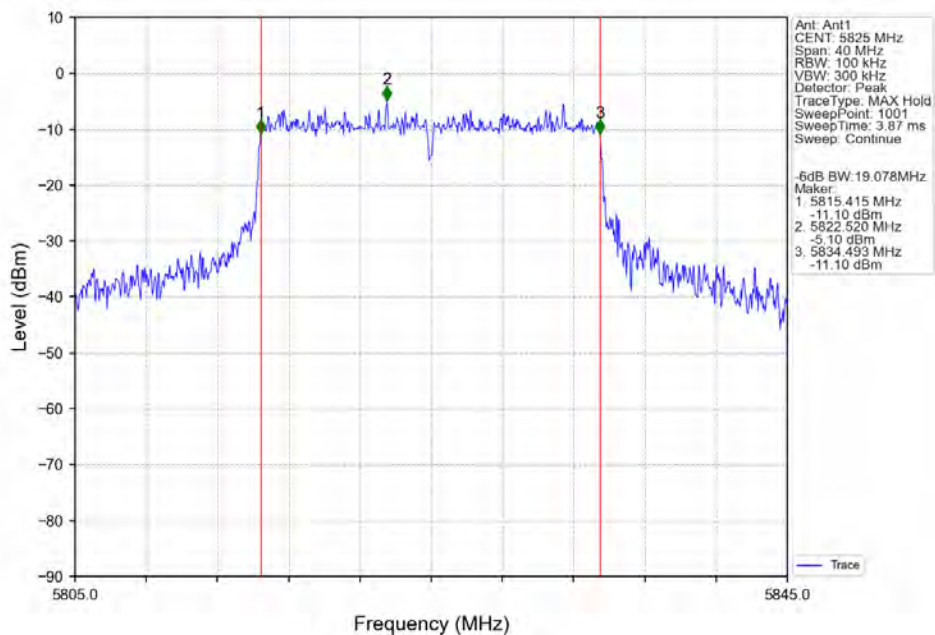
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



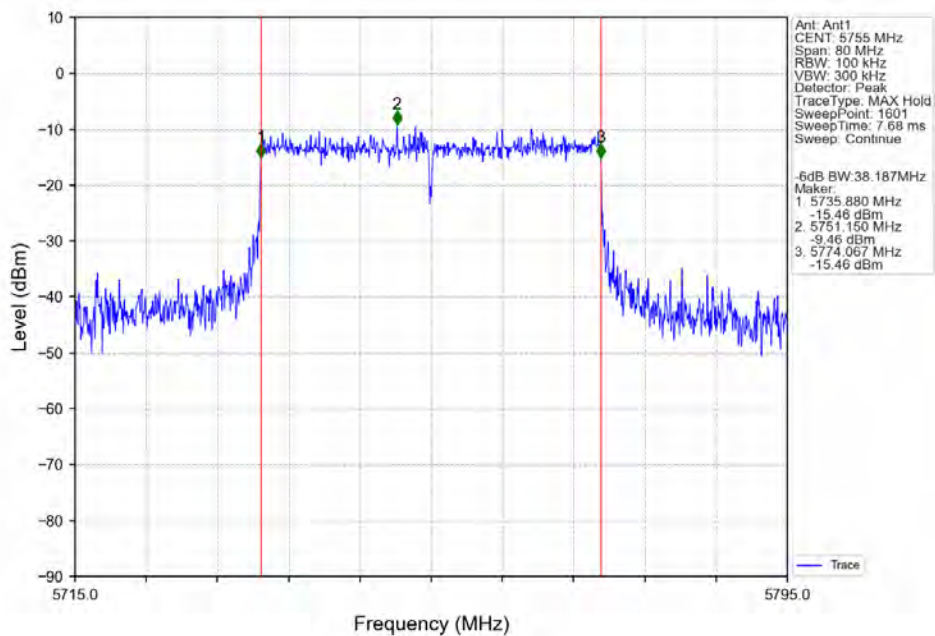
802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV



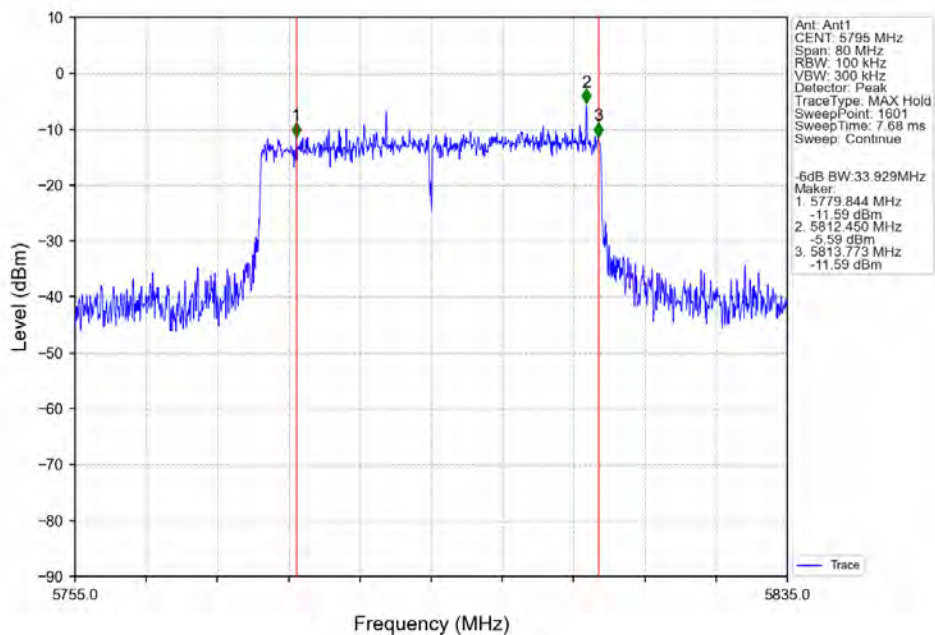
802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV



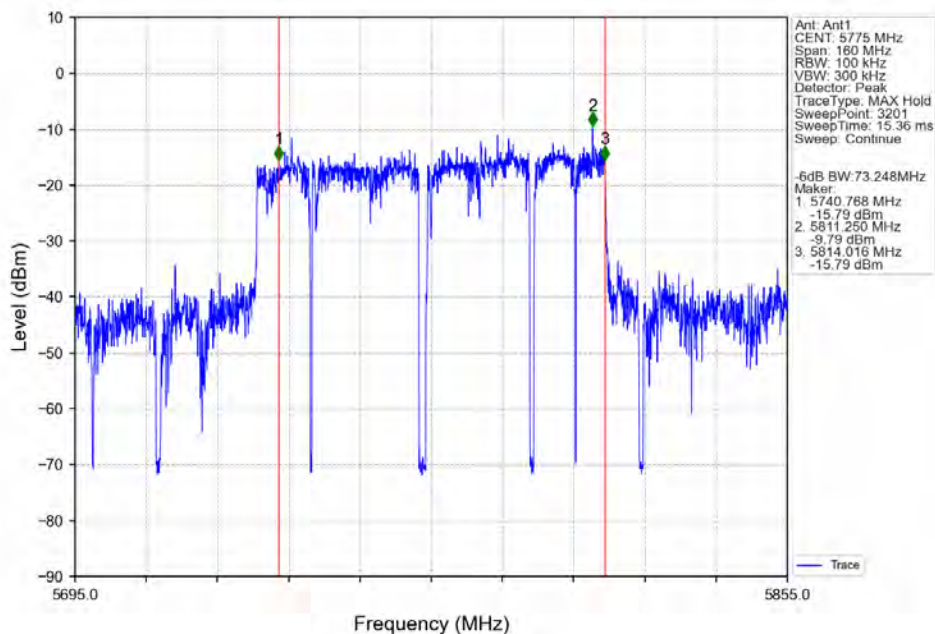
802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU / _Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU / _Ant1_NTNV



3. Maximum Conducted Output Power

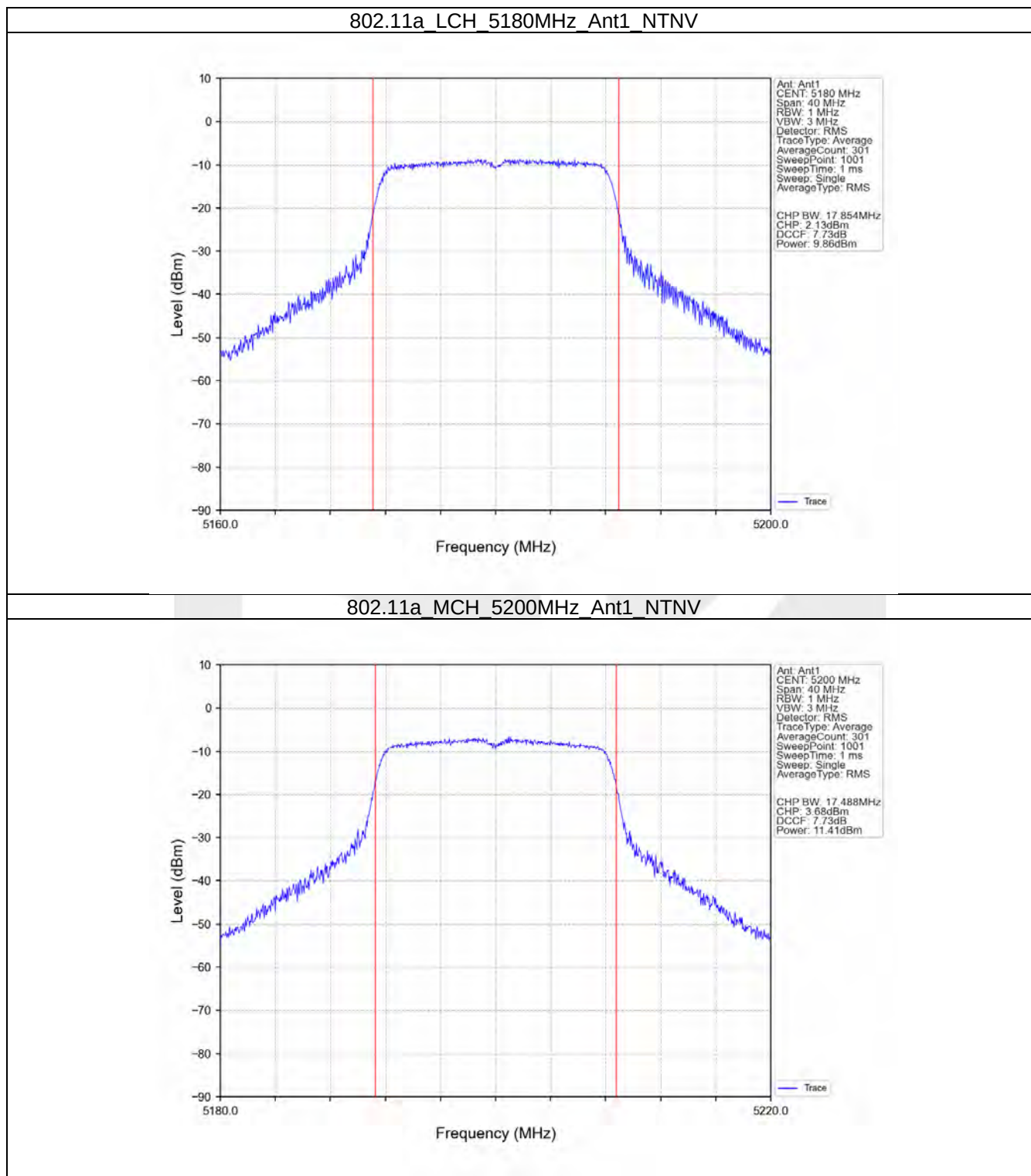
3.1 Test Result

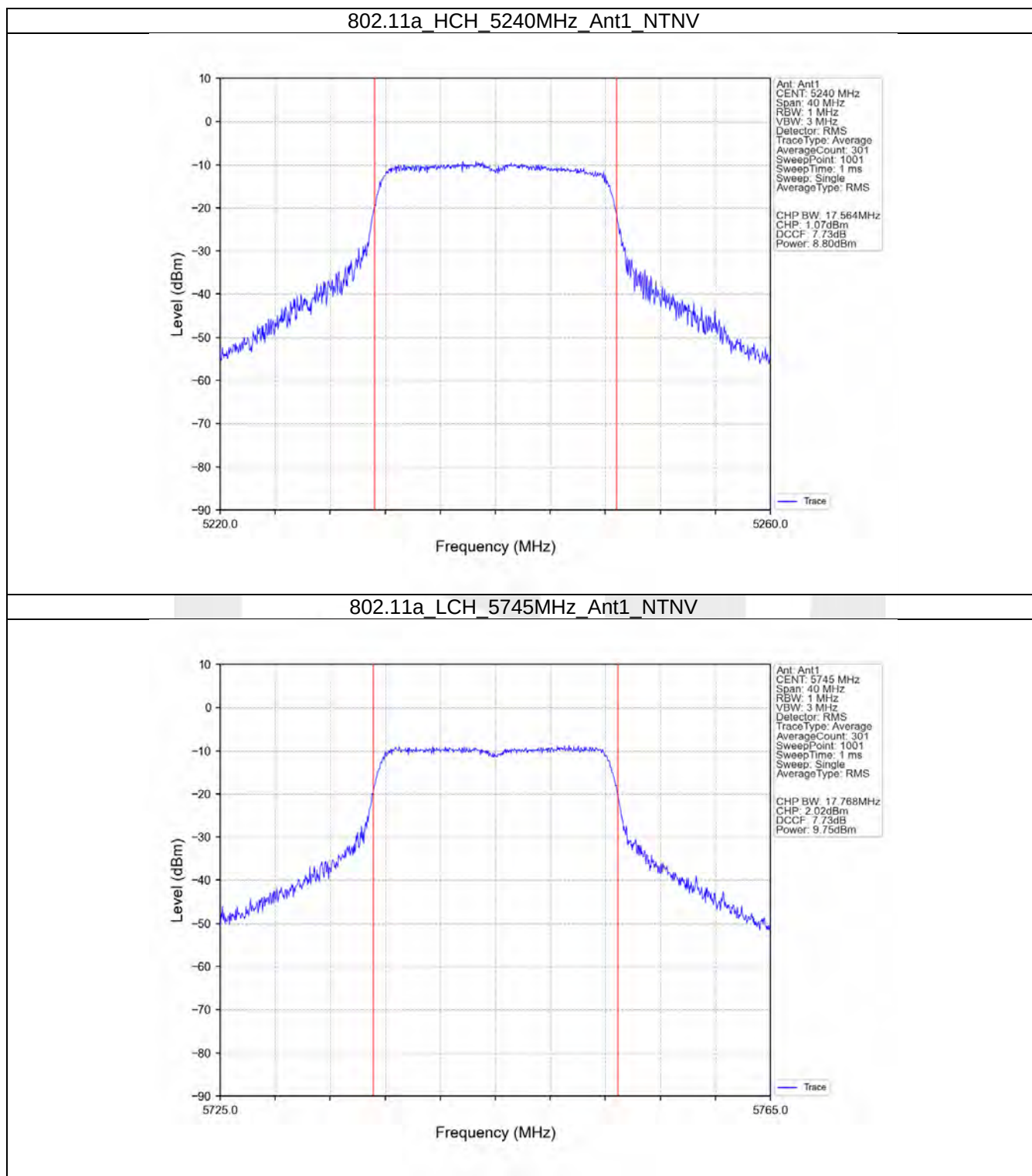
3.1.1 Power

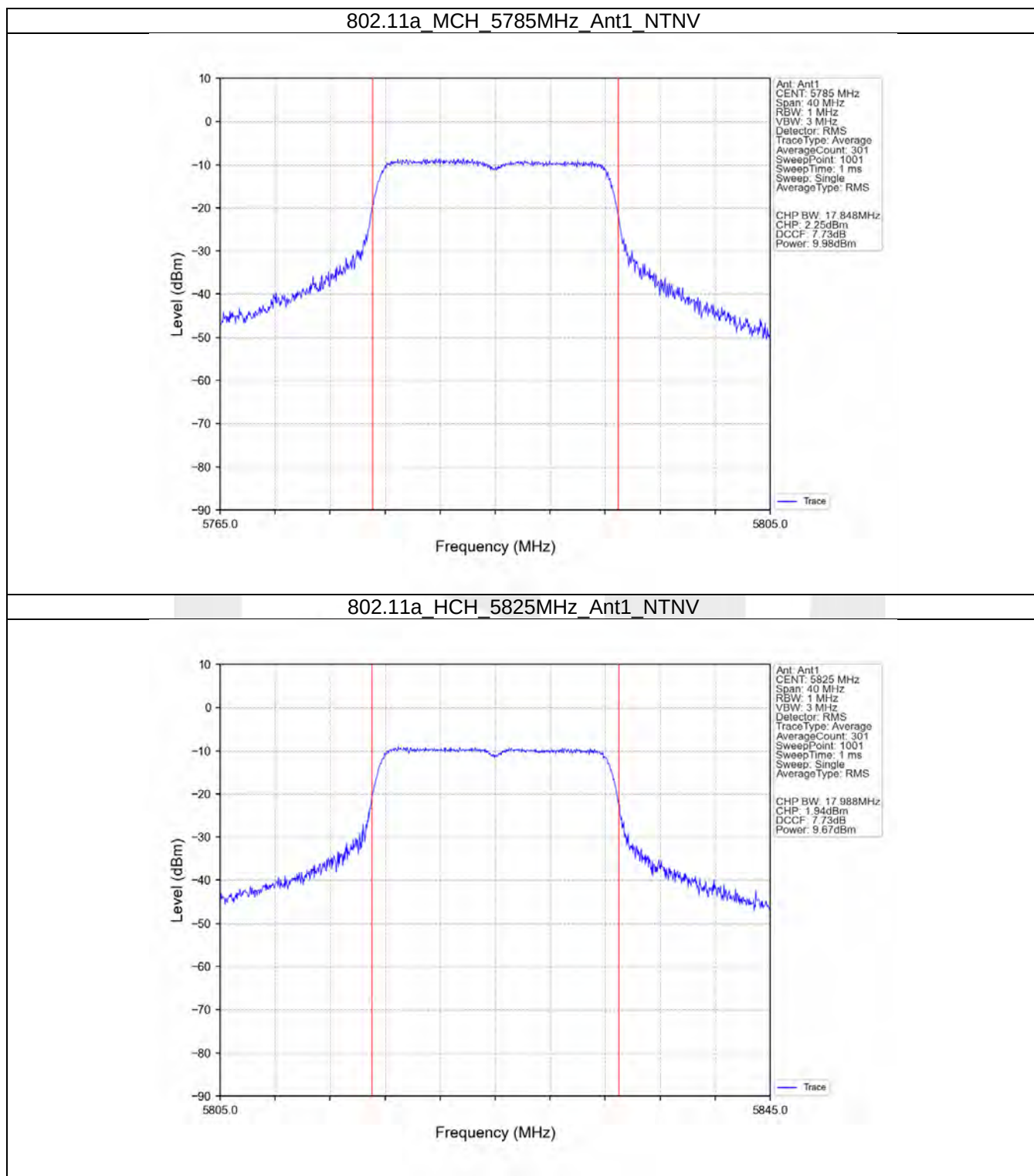
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	9.86	<=23.98	Pass
		5200	/	/	11.41	<=23.98	Pass
		5240	/	/	8.80	<=23.98	Pass
		5745	/	/	9.75	<=30	Pass
		5785	/	/	9.98	<=30	Pass
		5825	/	/	9.67	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	11.46	<=23.98	Pass
		5200	/	/	12.19	<=23.98	Pass
		5240	/	/	9.60	<=23.98	Pass
		5745	/	/	8.97	<=30	Pass
		5785	/	/	10.48	<=30	Pass
		5825	/	/	8.35	<=30	Pass
802.11n (HT40)	SISO	5190	/	/	10.70	<=23.98	Pass
		5230	/	/	10.09	<=23.98	Pass
		5755	/	/	10.82	<=30	Pass
		5795	/	/	8.70	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	12.72	<=23.98	Pass
		5200	/	/	10.75	<=23.98	Pass
		5240	/	/	9.49	<=23.98	Pass
		5745	/	/	8.22	<=30	Pass
		5785	/	/	8.58	<=30	Pass
		5825	/	/	6.65	<=30	Pass
802.11ac (VHT40)	SISO	5190	/	/	9.30	<=23.98	Pass
		5230	/	/	8.69	<=23.98	Pass
		5755	/	/	6.49	<=30	Pass
		5795	/	/	9.86	<=30	Pass
802.11ac (VHT80)	SISO	5210	/	/	8.45	<=23.98	Pass
		5775	/	/	9.45	<=30	Pass
802.11ax (HEW20)	SISO	5180	SU	/	9.42	<=23.98	Pass
		5200	SU	/	9.45	<=23.98	Pass
		5240	SU	/	8.43	<=23.98	Pass
		5745	SU	/	7.95	<=30	Pass
		5785	SU	/	7.96	<=30	Pass
		5825	SU	/	8.57	<=30	Pass
802.11ax (HEW40)	SISO	5190	SU	/	12.47	<=23.98	Pass
		5230	SU	/	10.49	<=23.98	Pass
		5755	SU	/	7.15	<=30	Pass
		5795	SU	/	8.86	<=30	Pass
802.11ax (HEW80)	SISO	5210	SU	/	12.38	<=23.98	Pass
		5775	SU	/	8.72	<=30	Pass
Note1: Antenna Gain: - Band: 1 Ant1: 1.65dBi; - Band: 3 Ant1: 2.11dBi;							

3.2 Test Graph

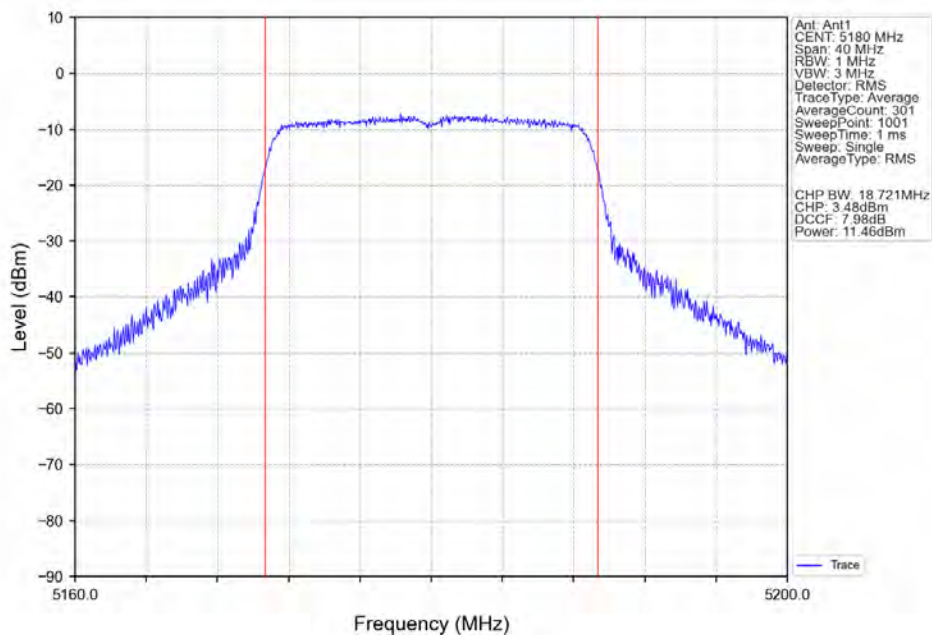
3.2.1 Power



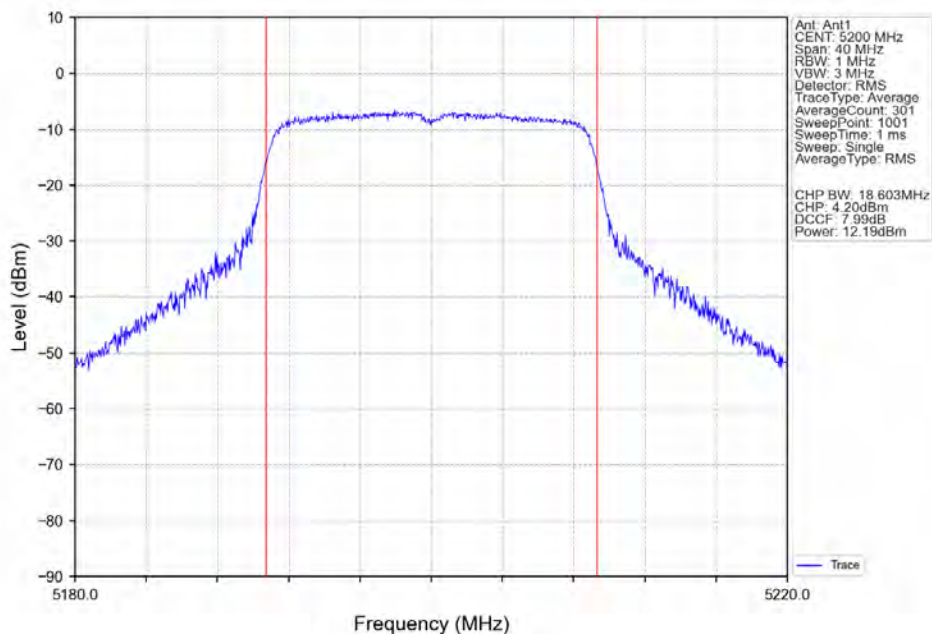




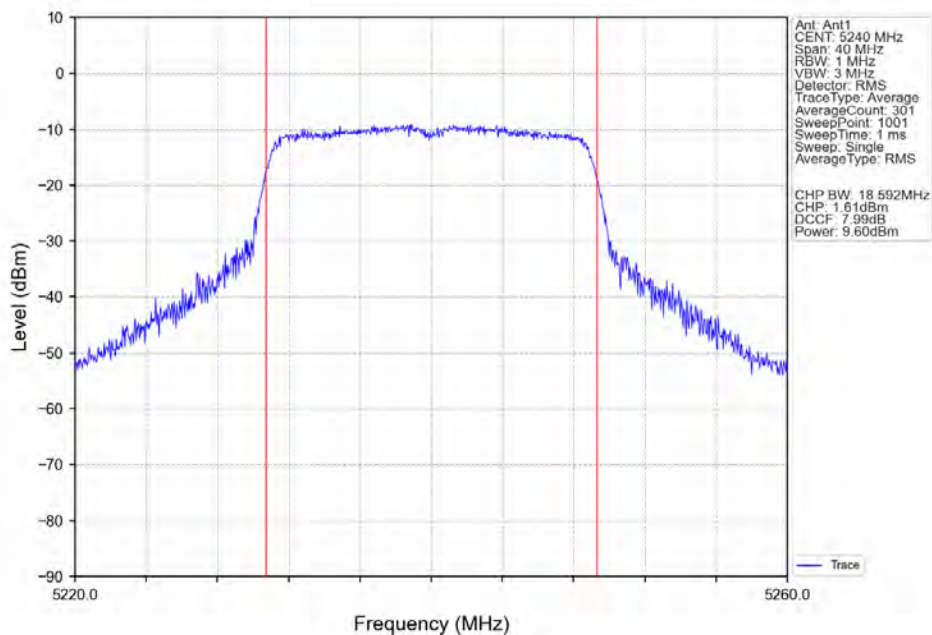
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



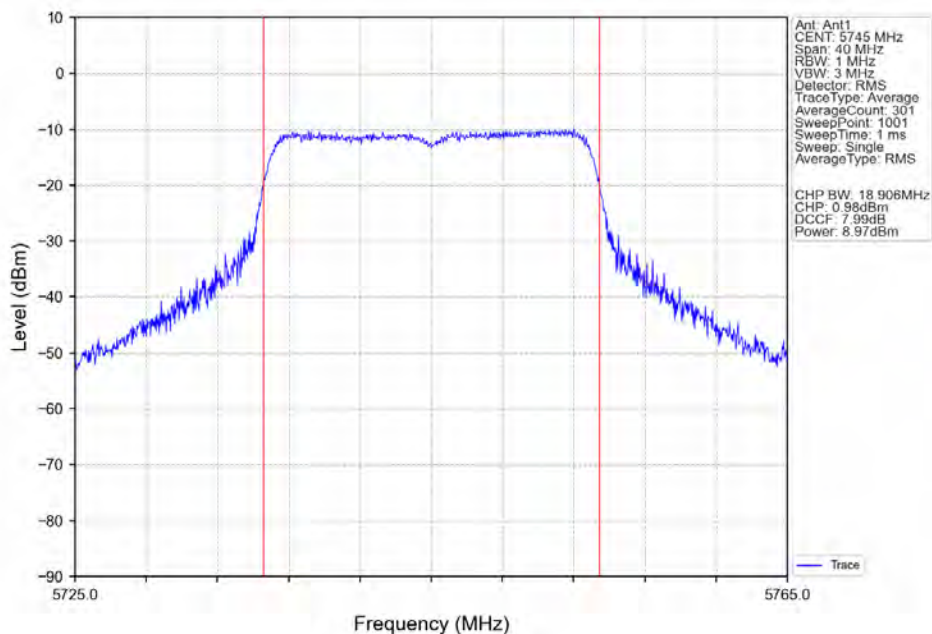
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV

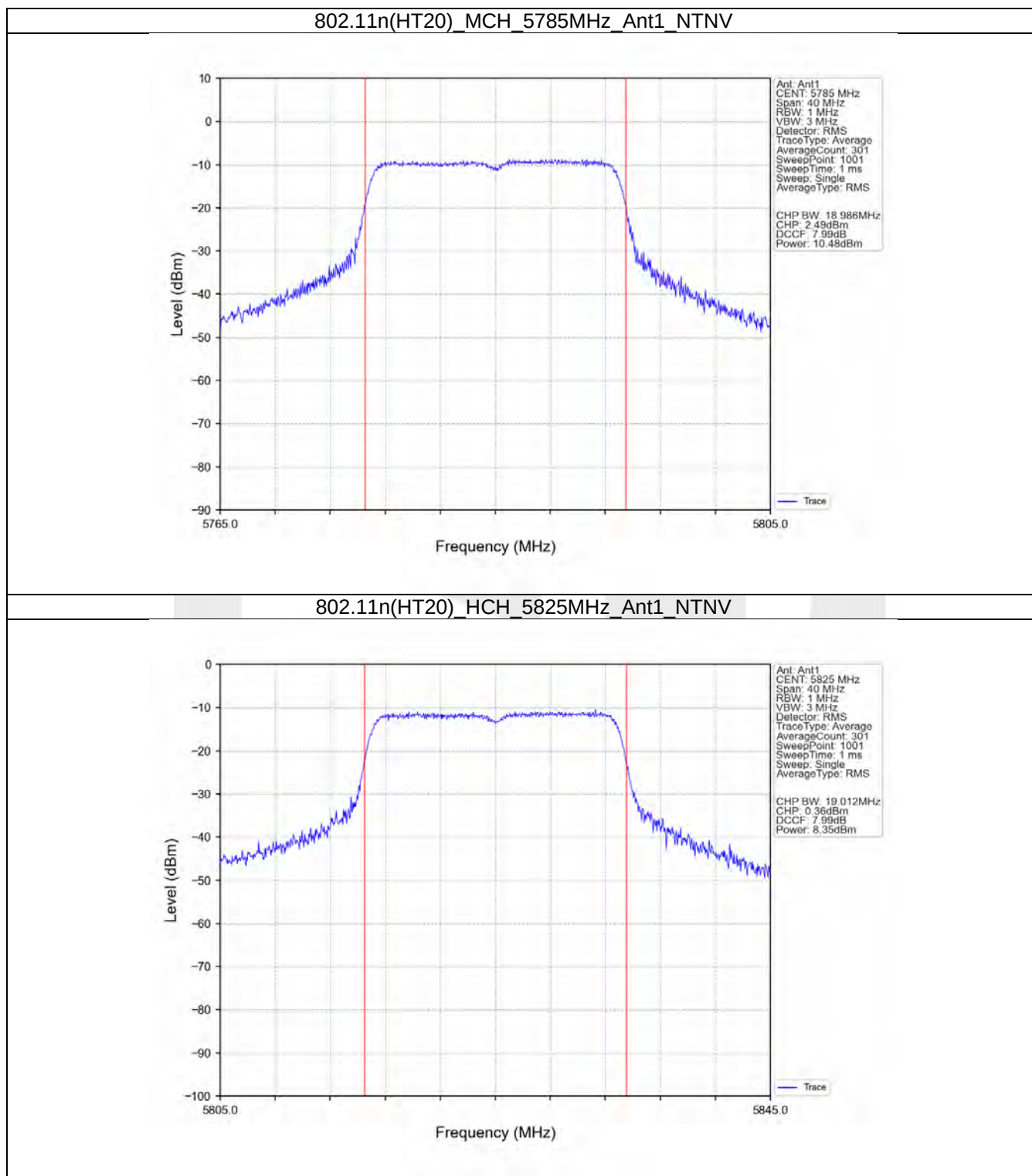


802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

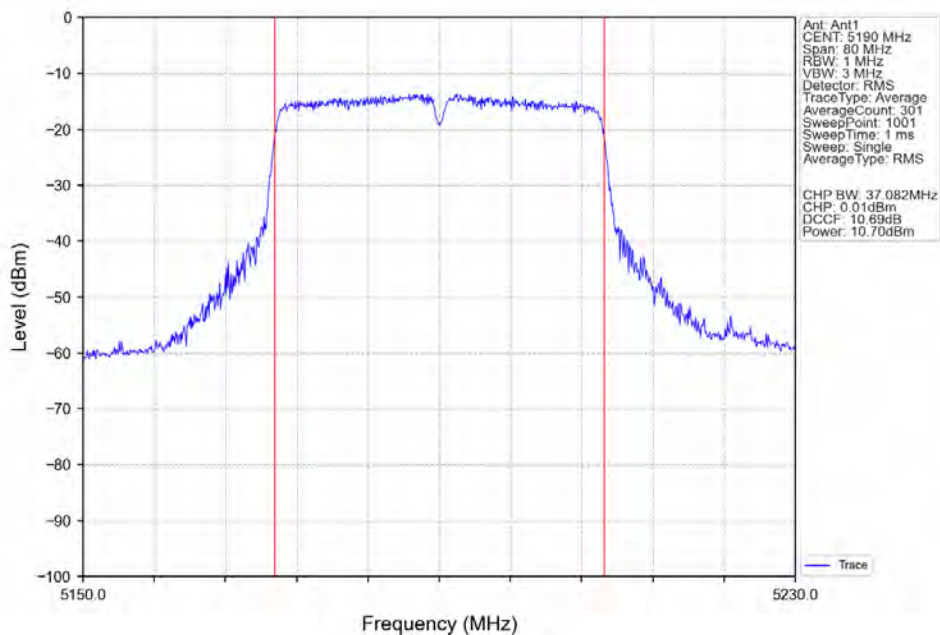


802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

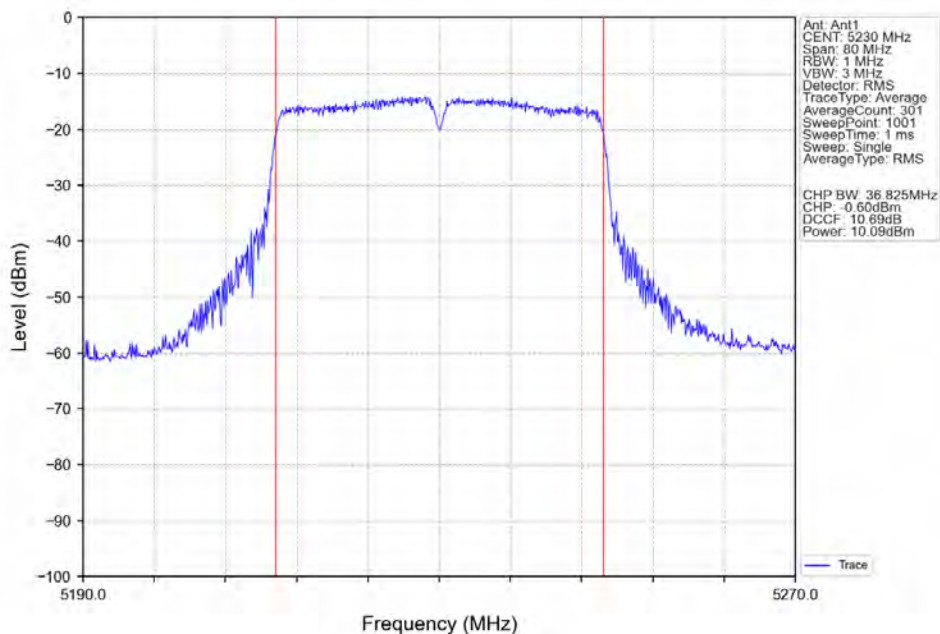




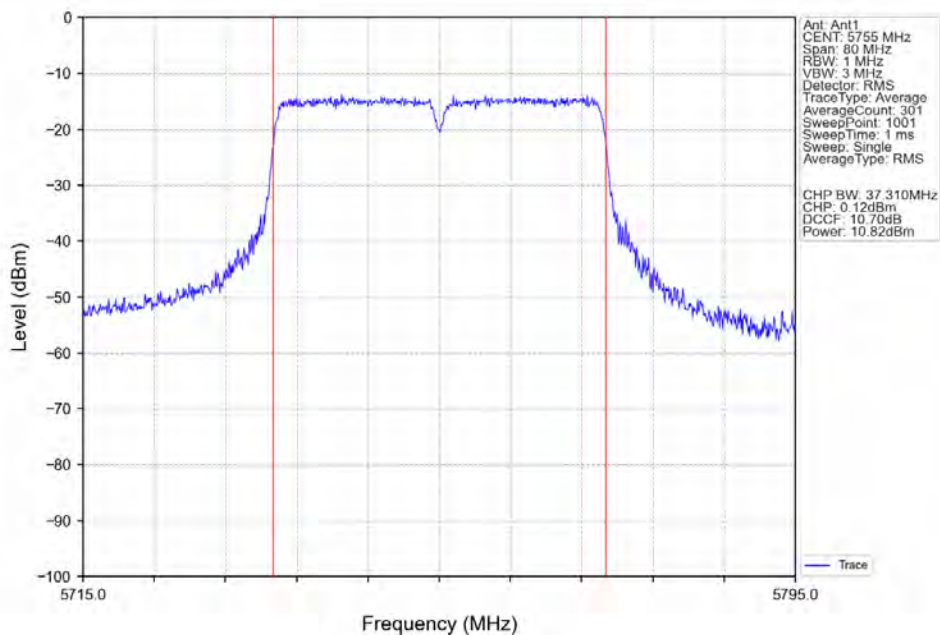
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



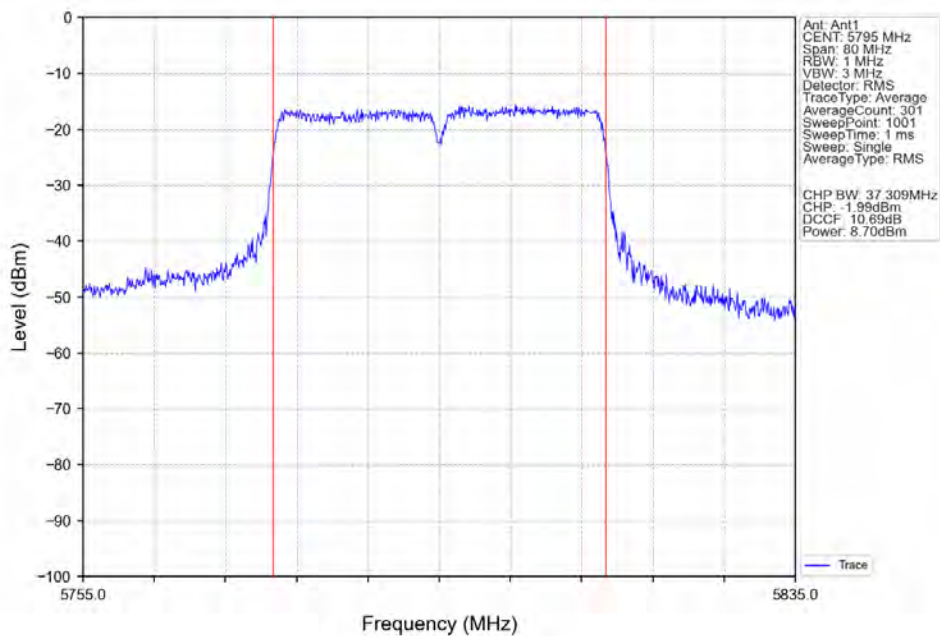
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



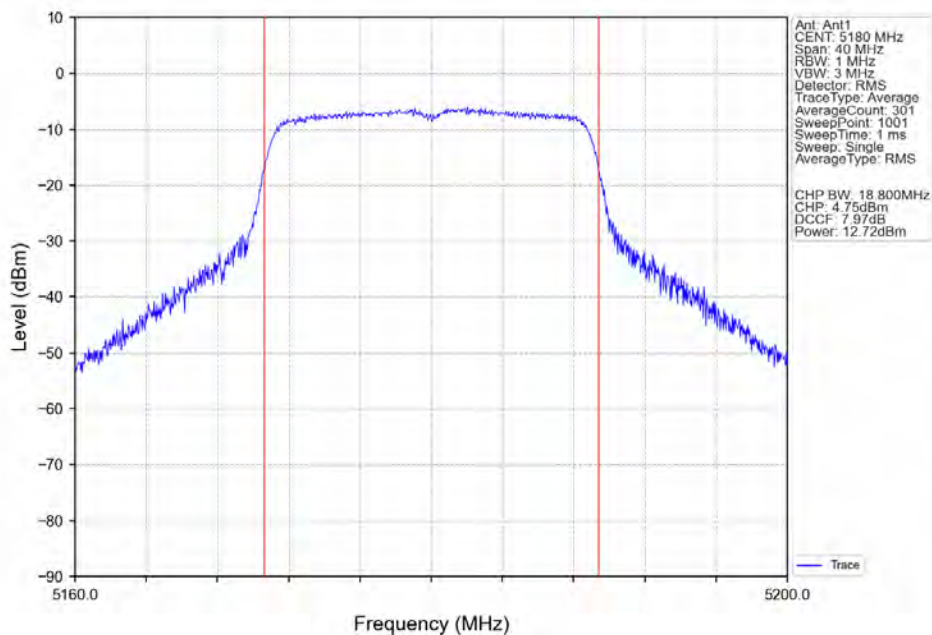
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



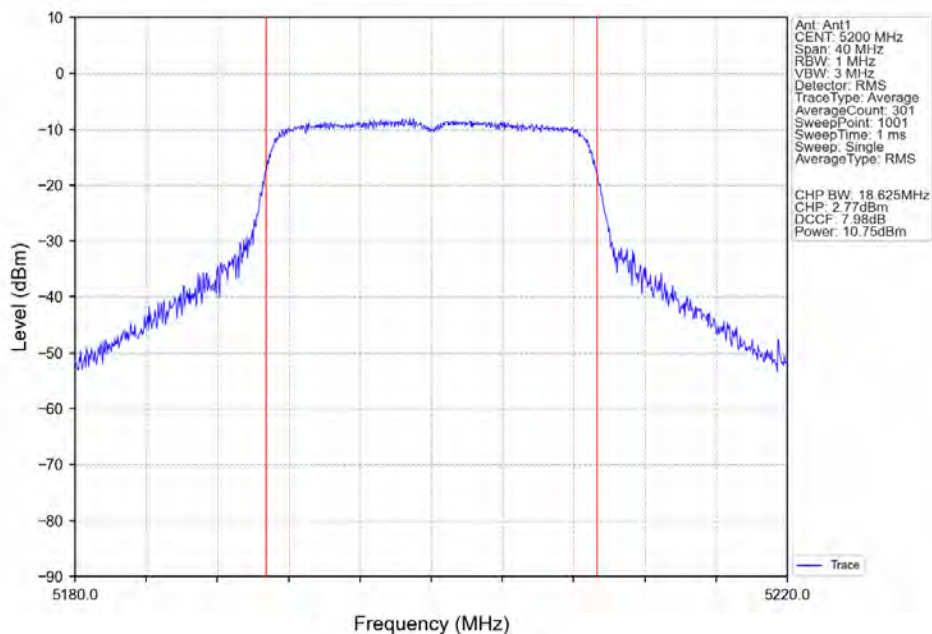
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



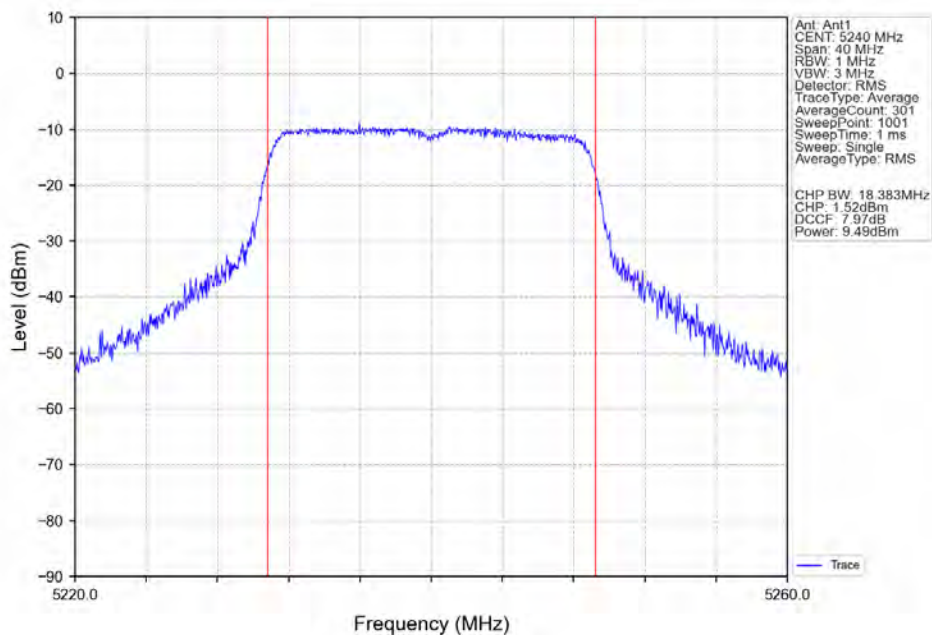
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



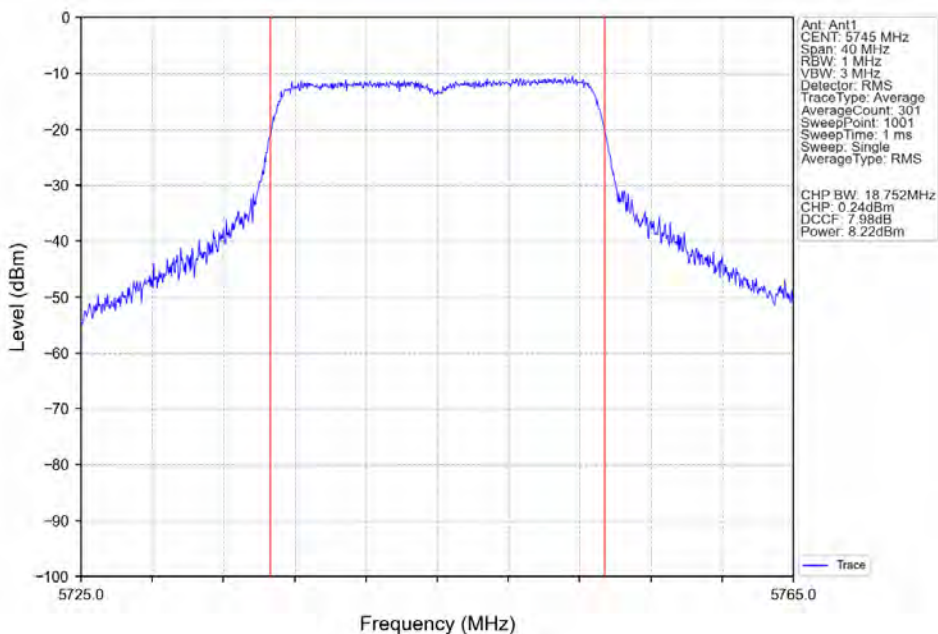
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



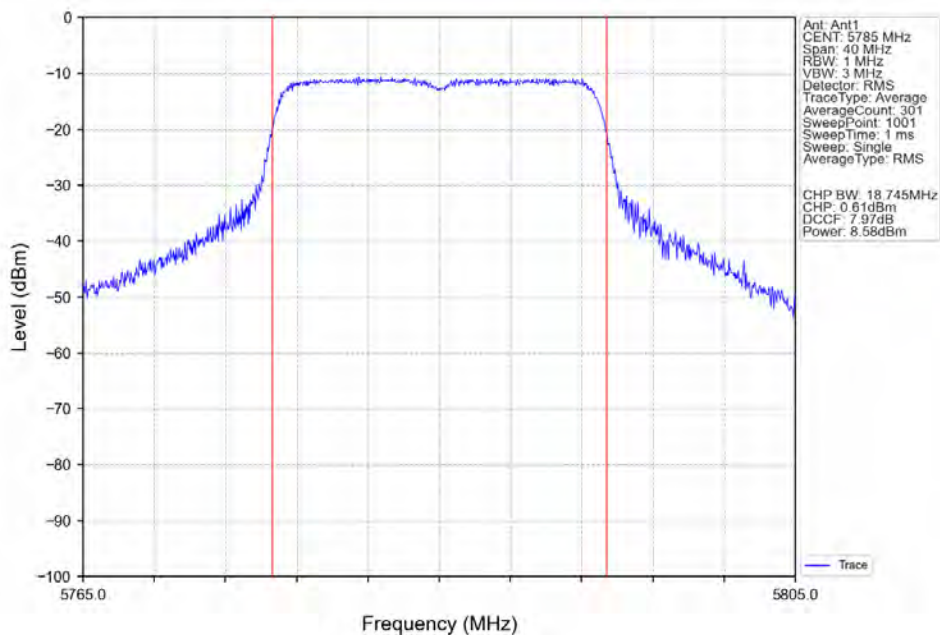
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



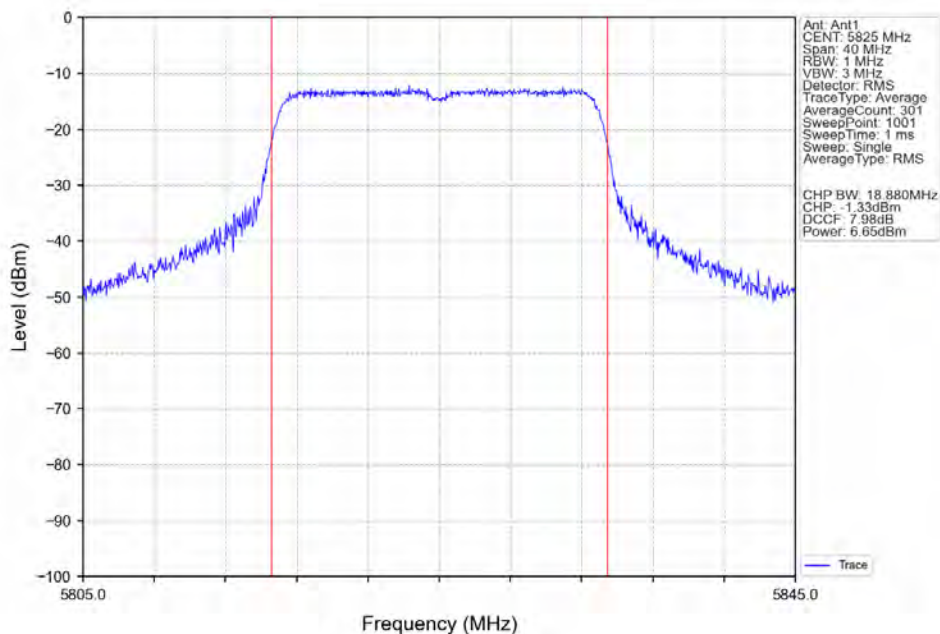
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



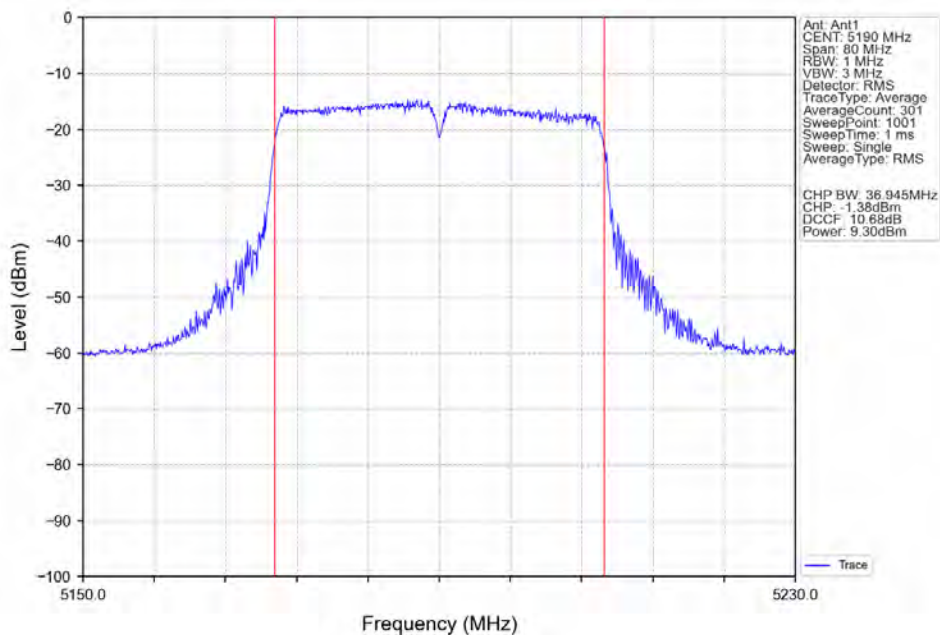
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



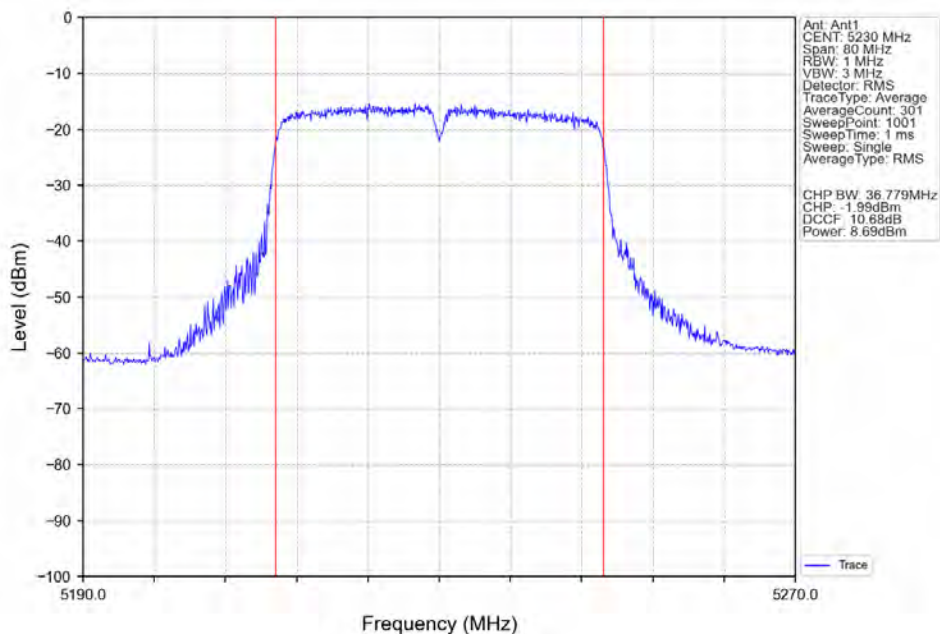
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



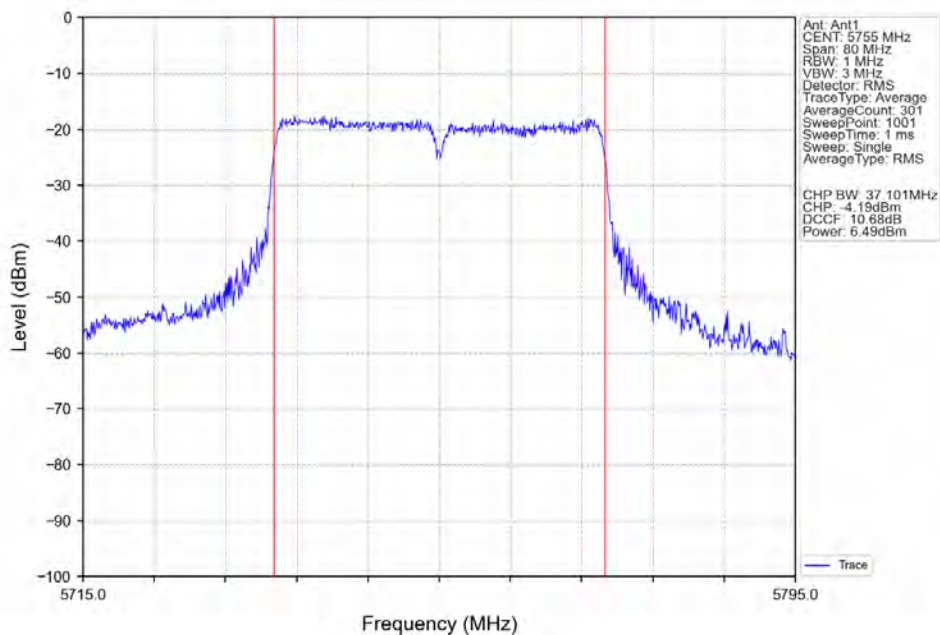
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



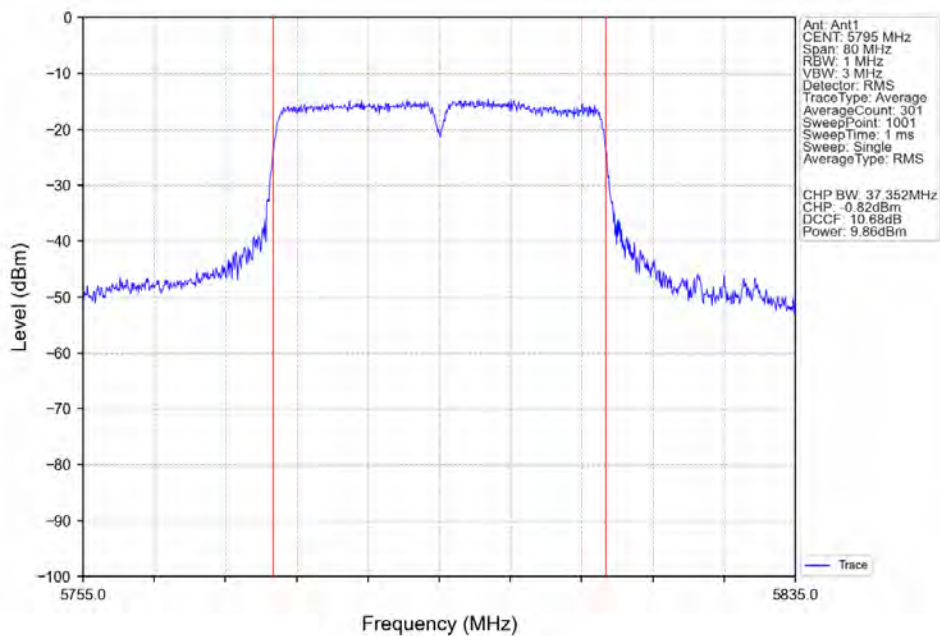
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

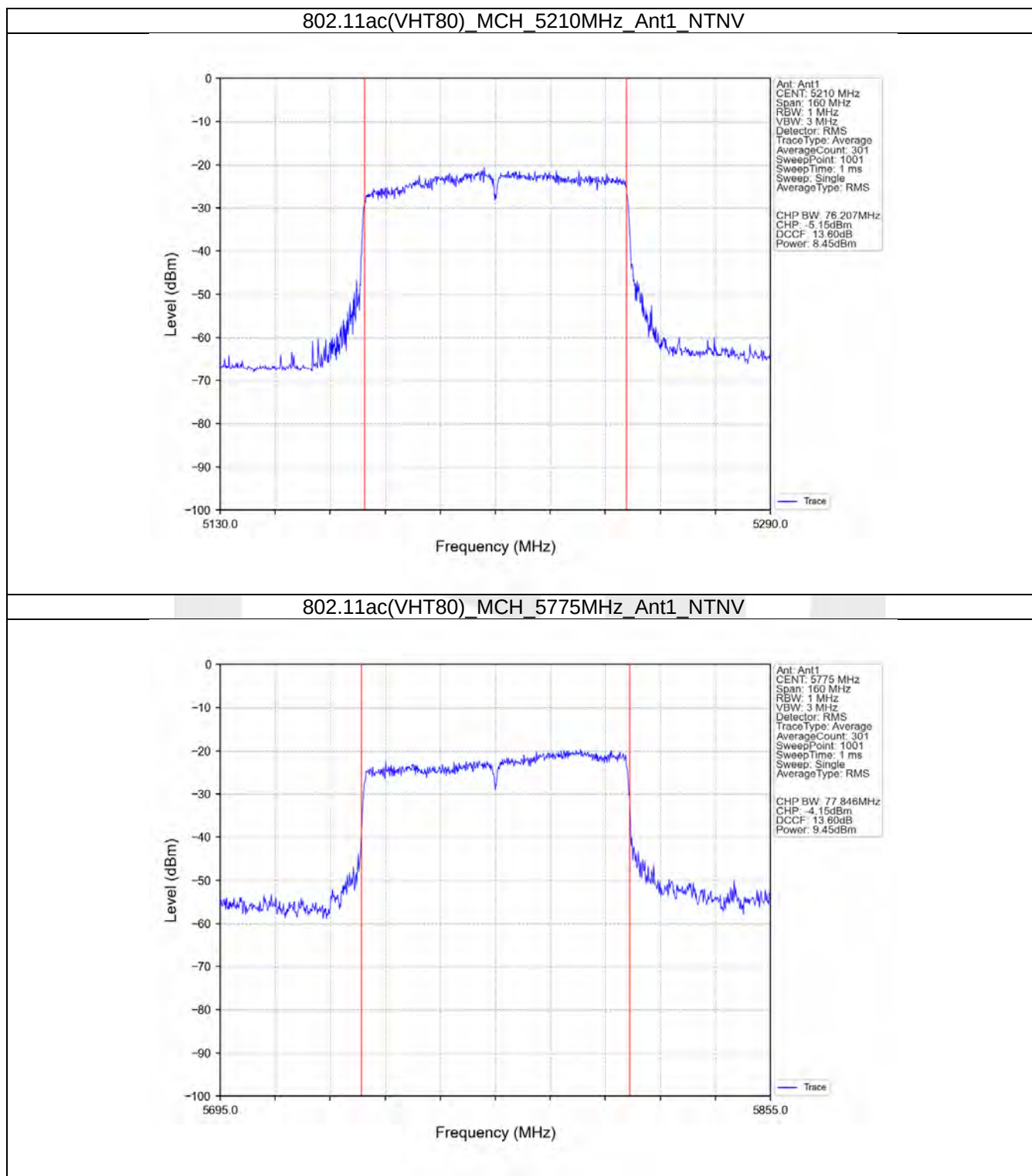


802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

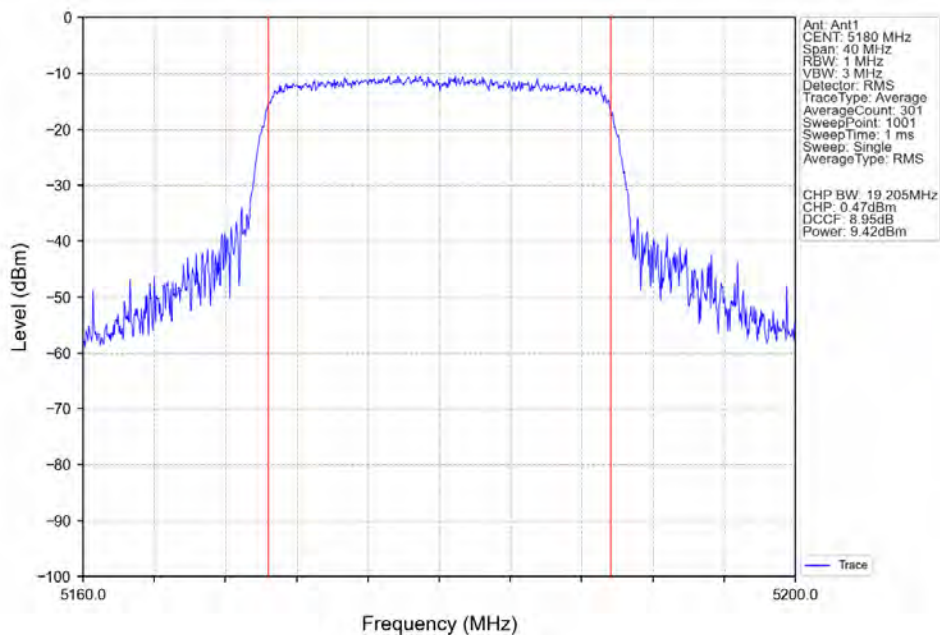


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

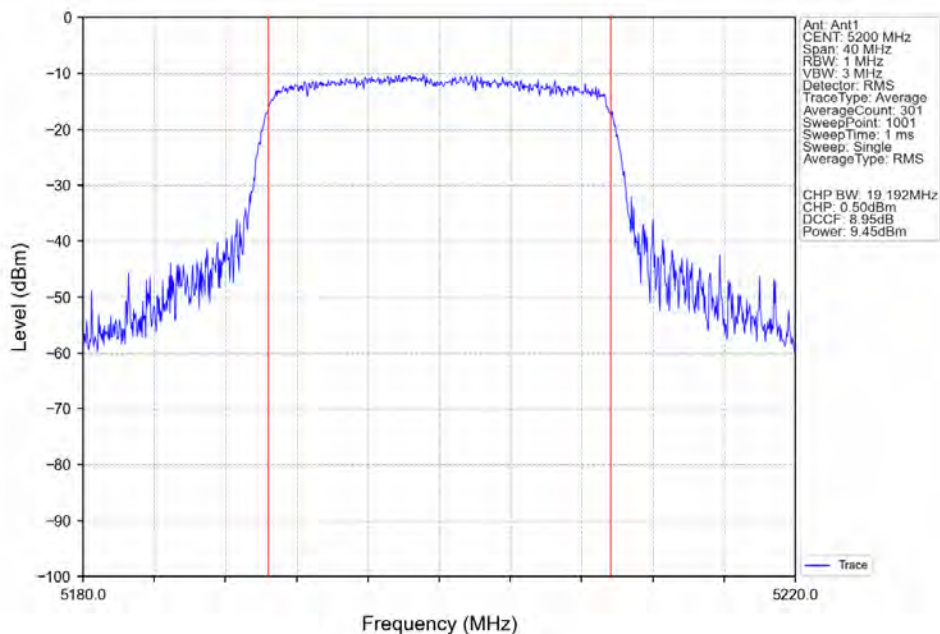




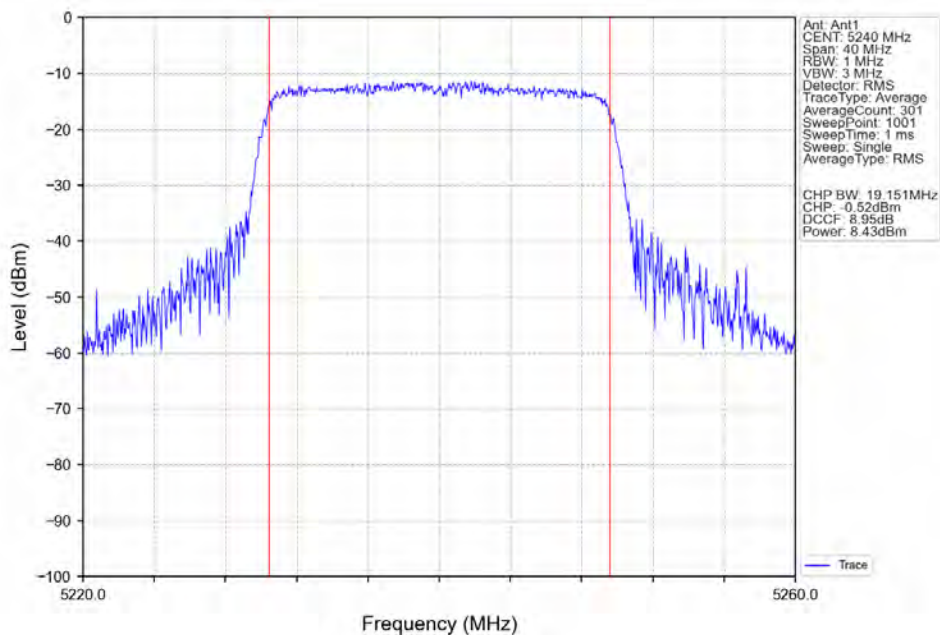
802.11ax(HEW20)_LCH_5180MHz_SU / _Ant1_NTNV



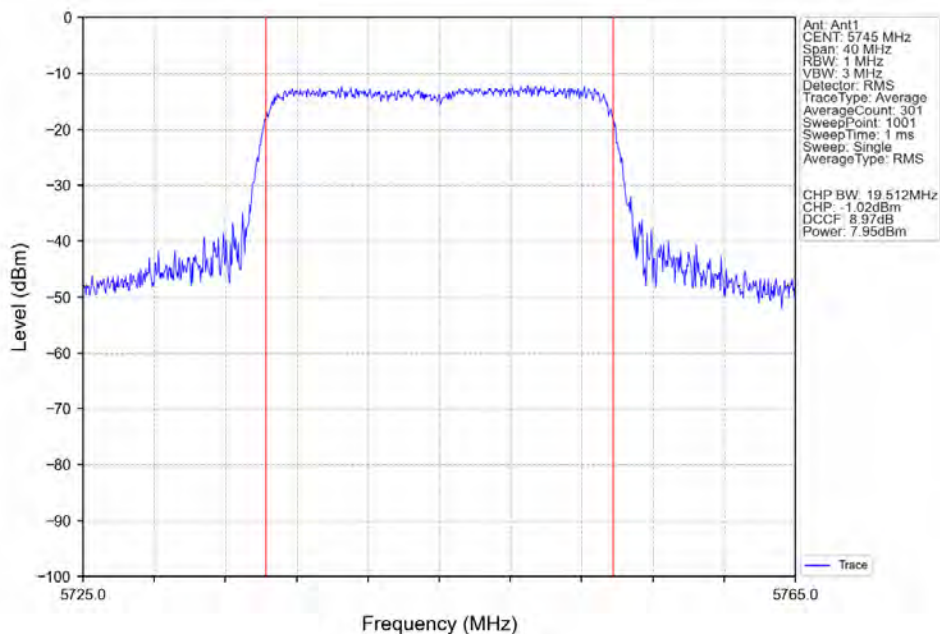
802.11ax(HEW20)_MCH_5200MHz_SU / _Ant1_NTNV



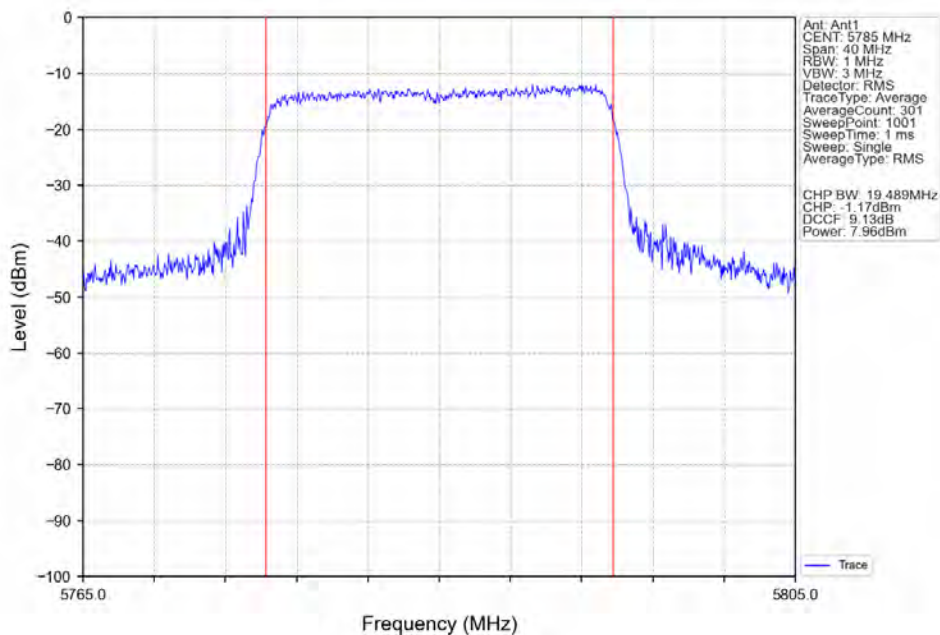
802.11ax(HEW20)_HCH_5240MHz_SU / _Ant1_NTNV



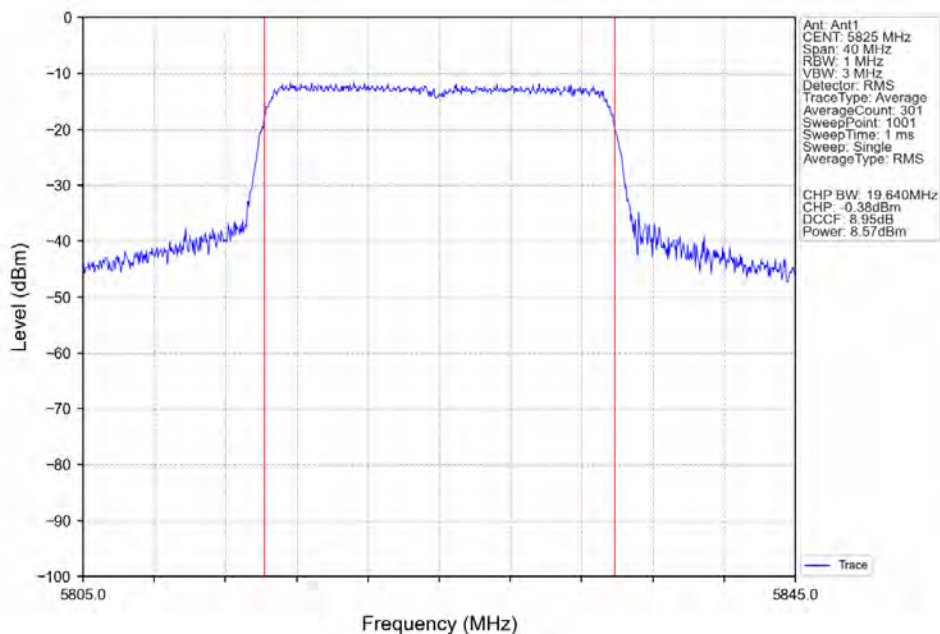
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



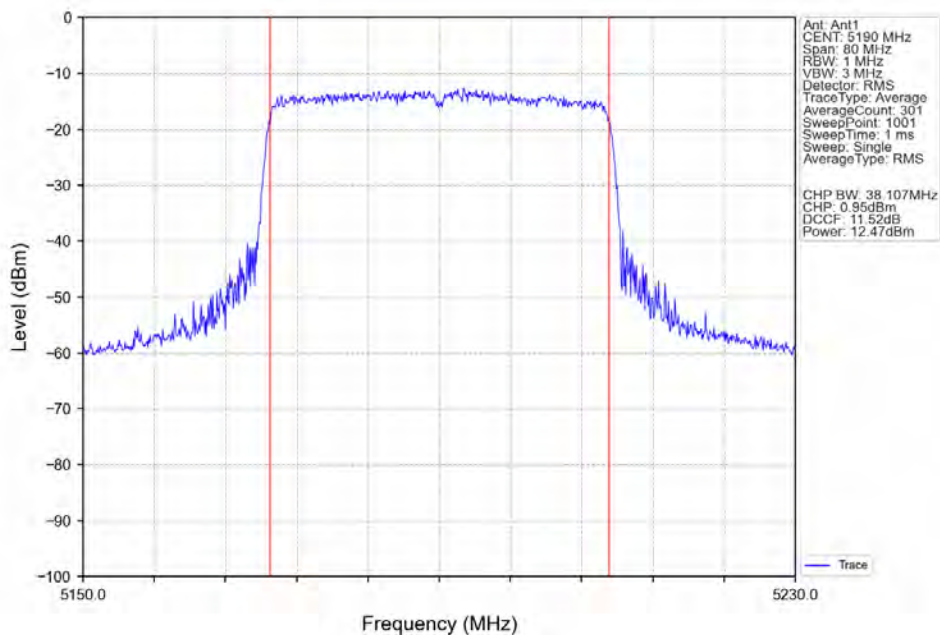
802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV



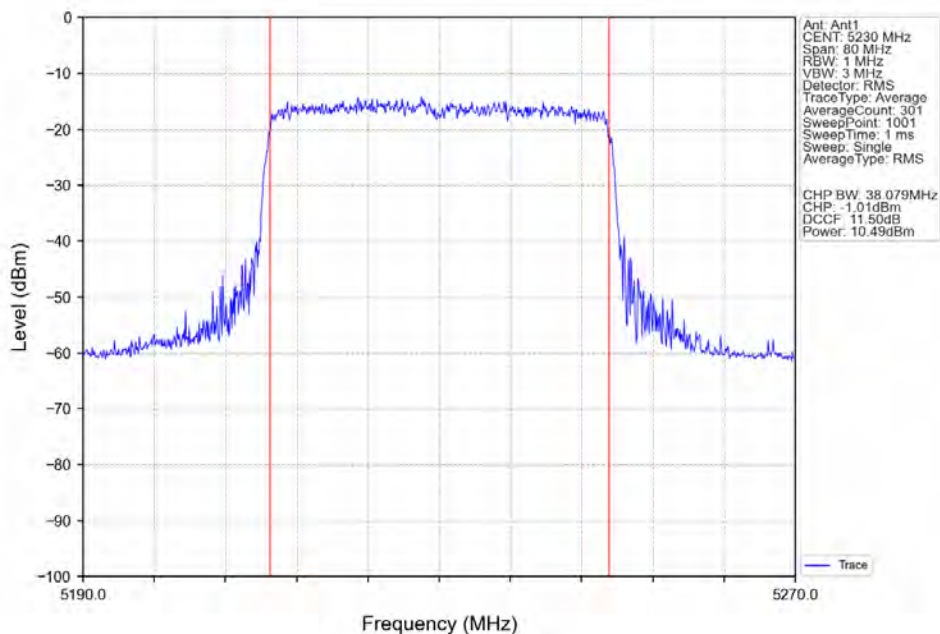
802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV



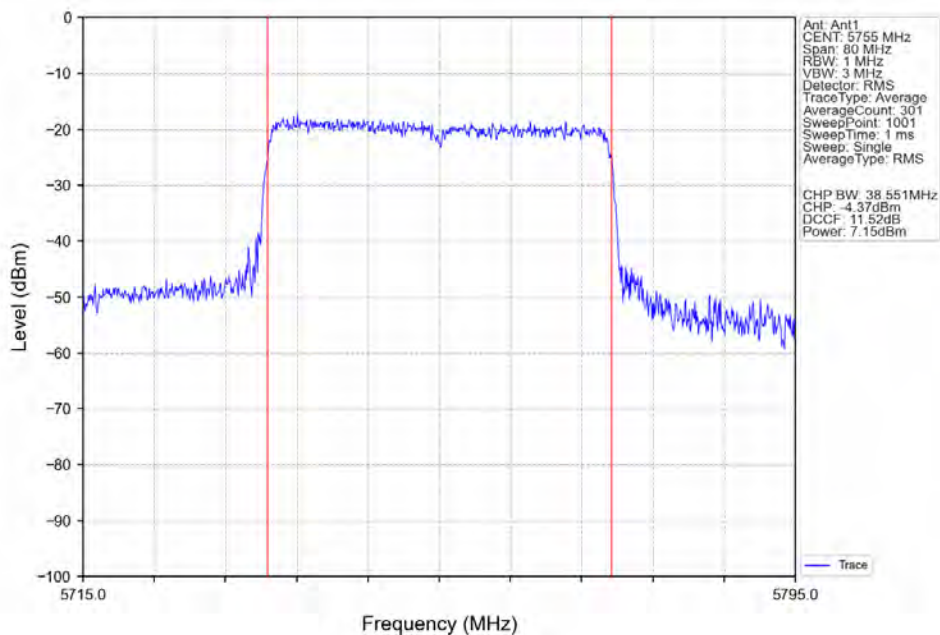
802.11ax(HEW40)_LCH_5190MHz_SU / _Ant1_NTNV



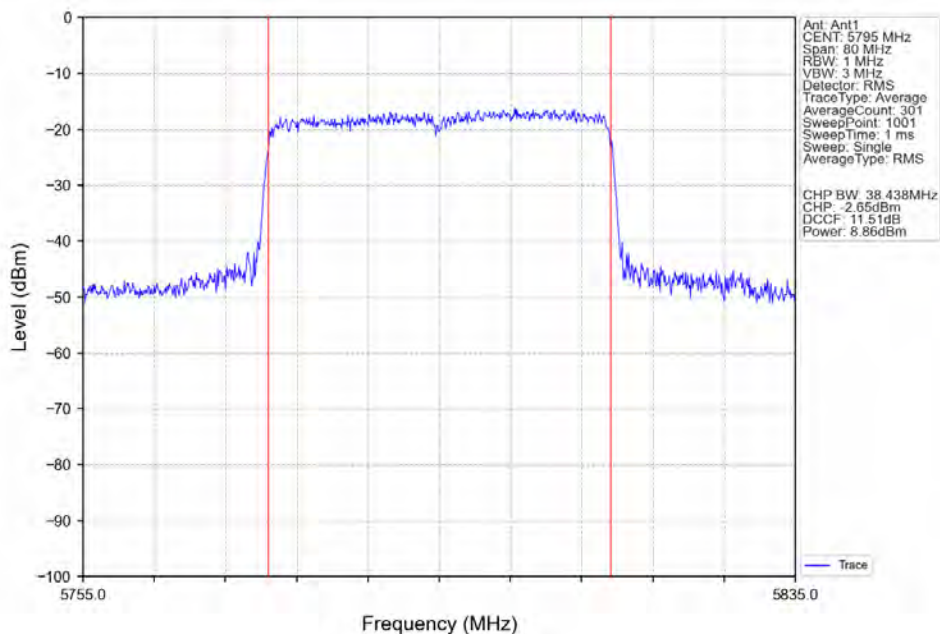
802.11ax(HEW40)_HCH_5230MHz_SU / _Ant1_NTNV



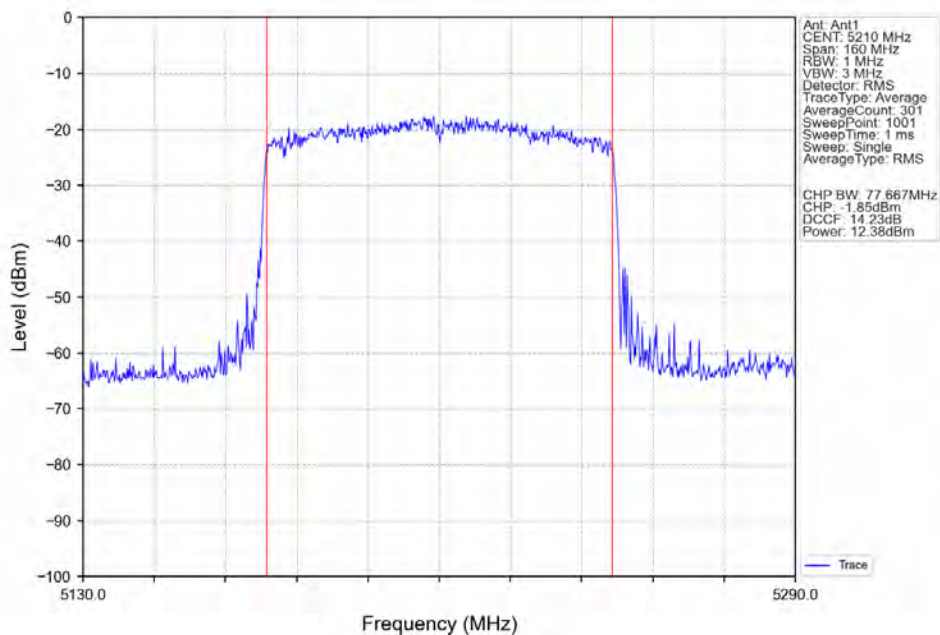
802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV



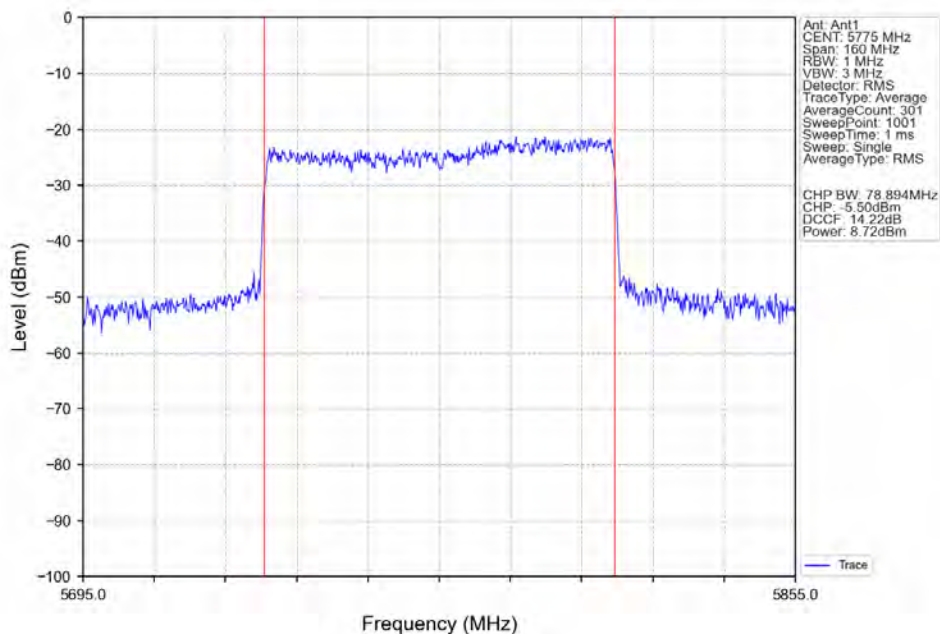
802.11ax(HEW40)_HCH_5795MHz_SU / _Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_/_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

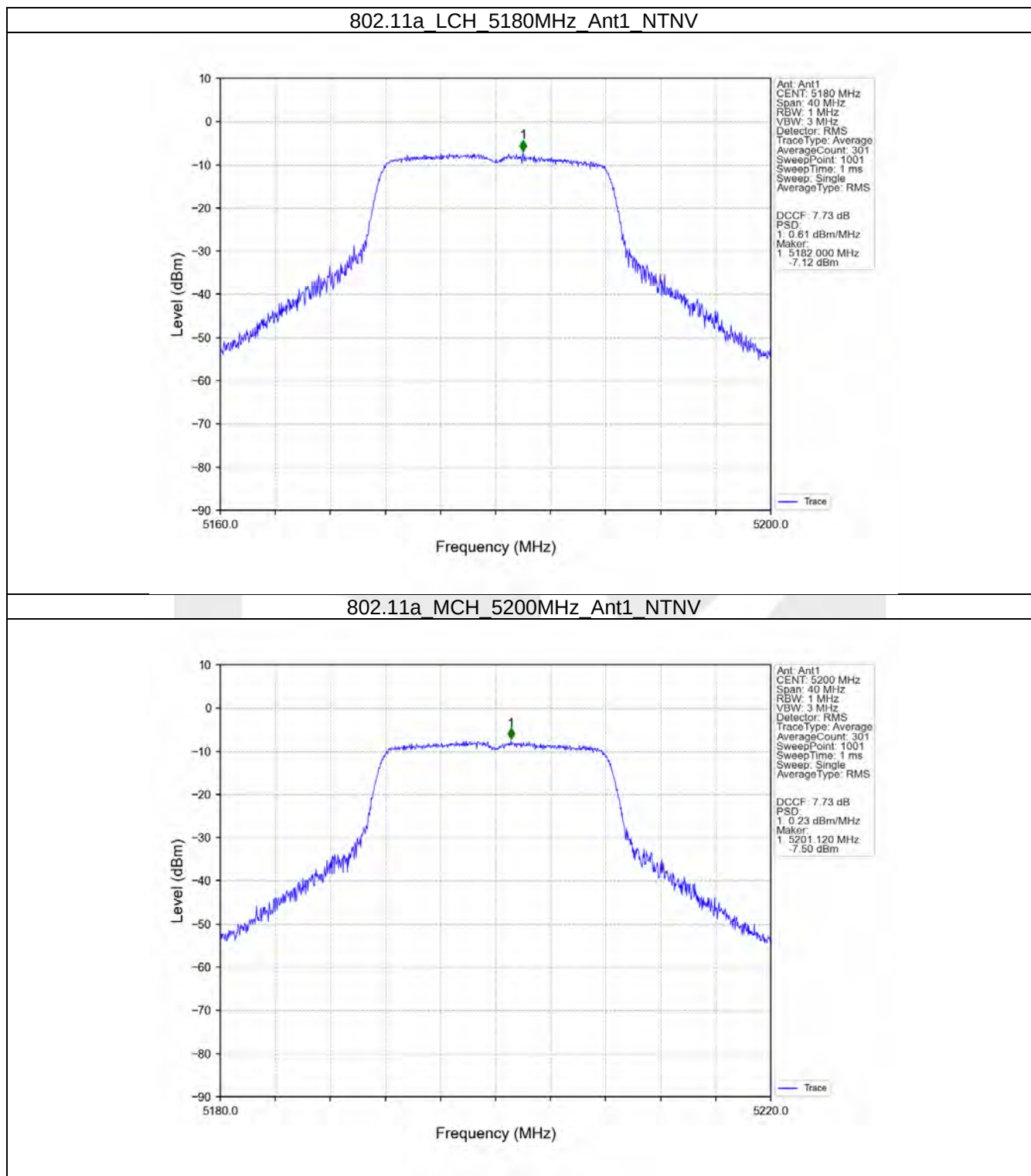
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	0.61	<=11	Pass
		5200	/	/	0.23	<=11	Pass
		5240	/	/	-0.65	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	0.48	<=11	Pass
		5200	/	/	1.37	<=11	Pass
		5240	/	/	0.65	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-3.56	<=11	Pass
		5230	/	/	-3.08	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	1.30	<=11	Pass
		5200	/	/	0.44	<=11	Pass
		5240	/	/	0.25	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-4.02	<=11	Pass
		5230	/	/	-4.38	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-7.12	<=11	Pass
802.11ax (HEW20)	SISO	5180	SU	/	-1.94	<=11	Pass
		5200	SU	/	-1.50	<=11	Pass
		5240	SU	/	-2.54	<=11	Pass
802.11ax (HEW40)	SISO	5190	SU	/	-2.54	<=11	Pass
		5230	SU	/	-2.68	<=11	Pass
802.11ax (HEW80)	SISO	5210	SU	/	-3.35	<=11	Pass

4.1.2 PSD-Band3

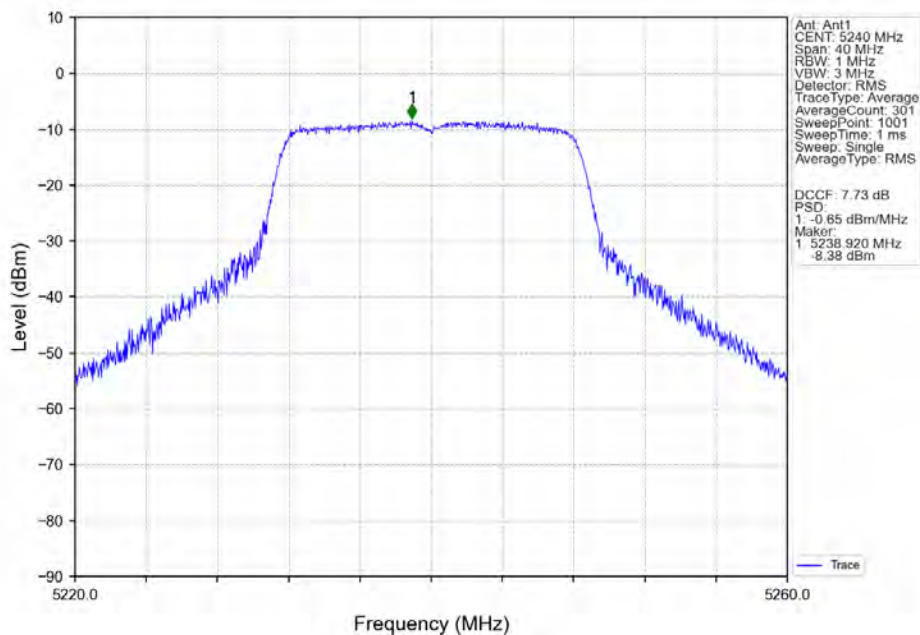
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-4.50	<=30	Pass
		5785	/	/	-4.57	<=30	Pass
		5825	/	/	-6.56	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-4.35	<=30	Pass
		5785	/	/	-4.58	<=30	Pass
		5825	/	/	-5.38	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-6.45	<=30	Pass
		5795	/	/	-7.05	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-4.79	<=30	Pass
		5785	/	/	-5.90	<=30	Pass
		5825	/	/	-6.35	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-8.17	<=30	Pass
		5795	/	/	-7.77	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-8.88	<=30	Pass
802.11ax (HEW20)	SISO	5745	SU	/	-6.25	<=30	Pass
		5785	SU	/	-5.13	<=30	Pass
		5825	SU	/	-6.25	<=30	Pass
802.11ax (HEW40)	SISO	5755	SU	/	-8.94	<=30	Pass
		5795	SU	/	-8.81	<=30	Pass
802.11ax (HEW80)	SISO	5775	SU	/	-9.67	<=30	Pass

4.2 Test Graph

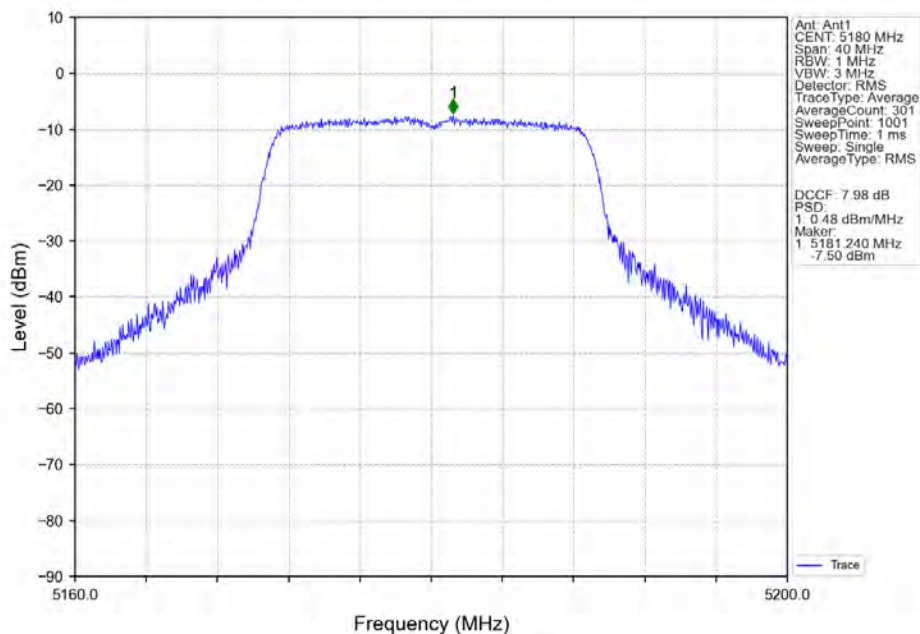
4.2.1 PSD



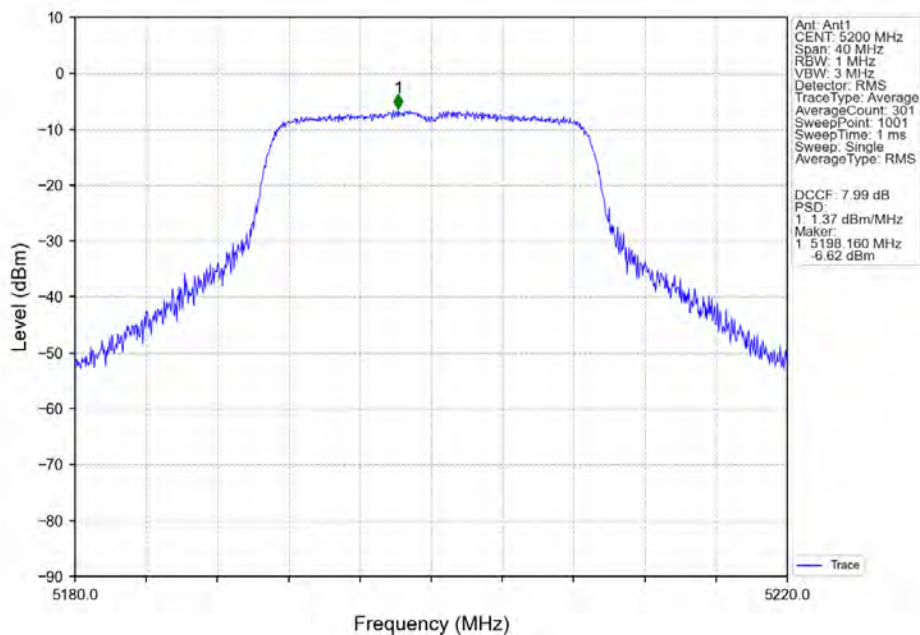
802.11a_HCH_5240MHz_Ant1_NTNV



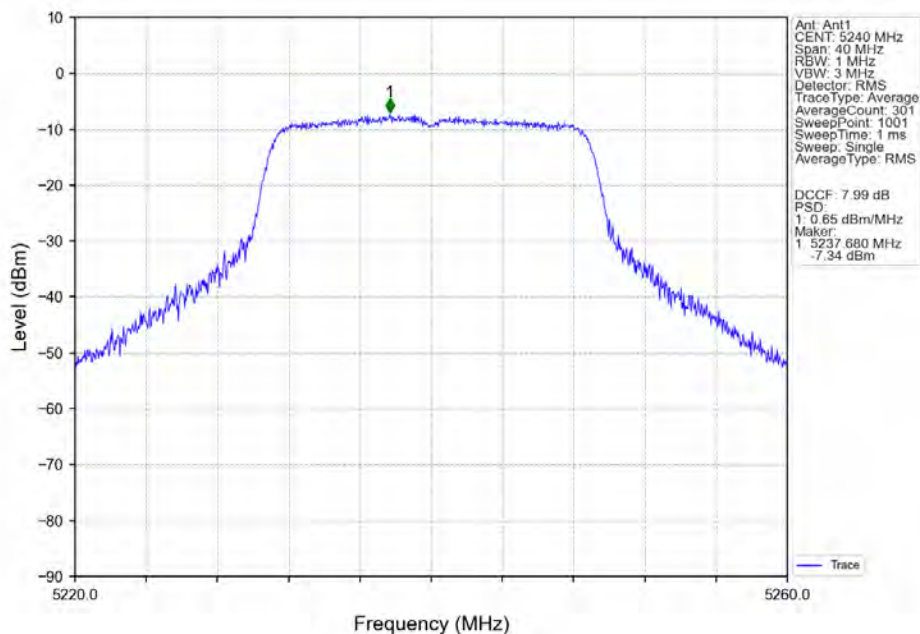
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



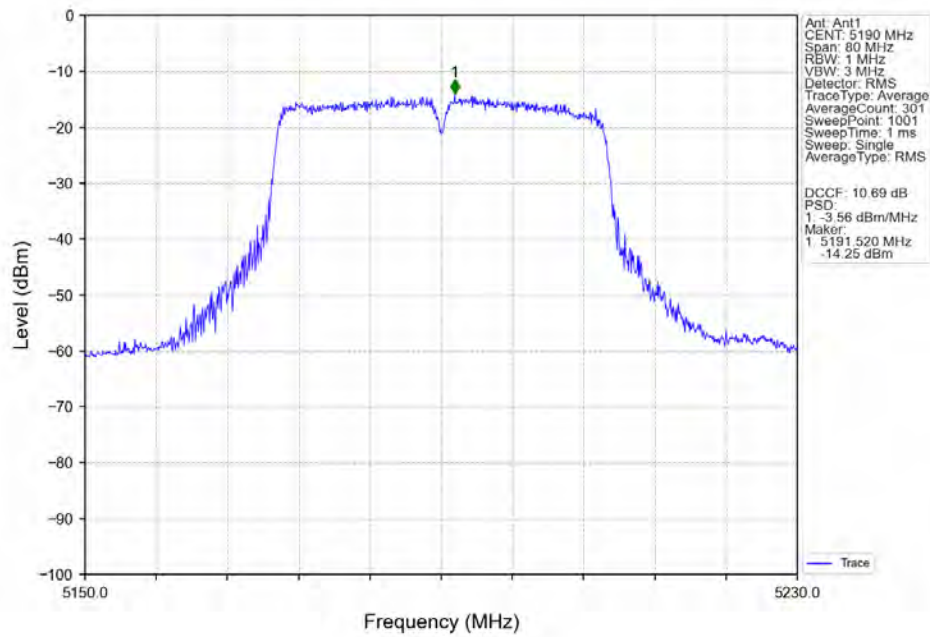
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



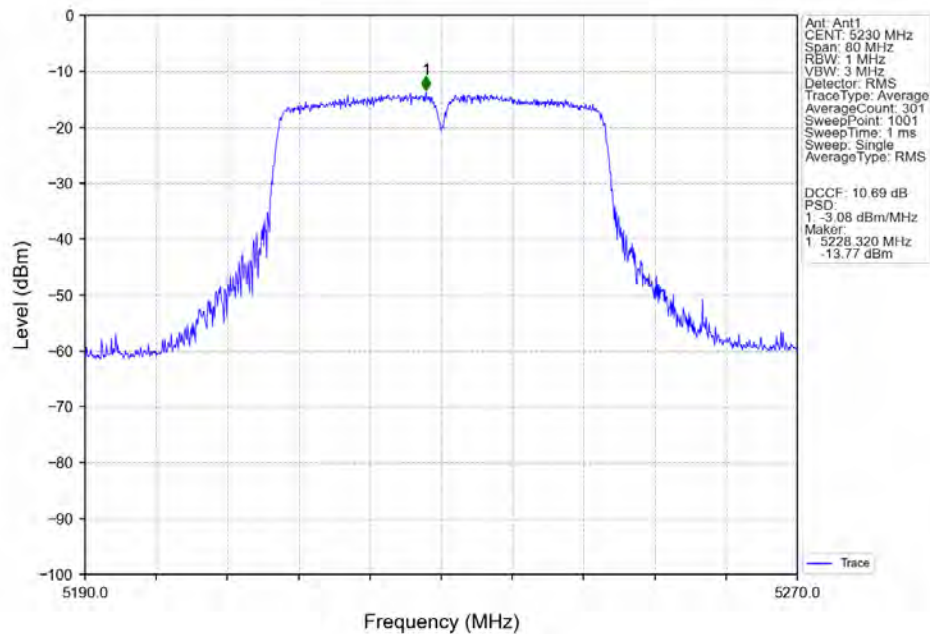
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



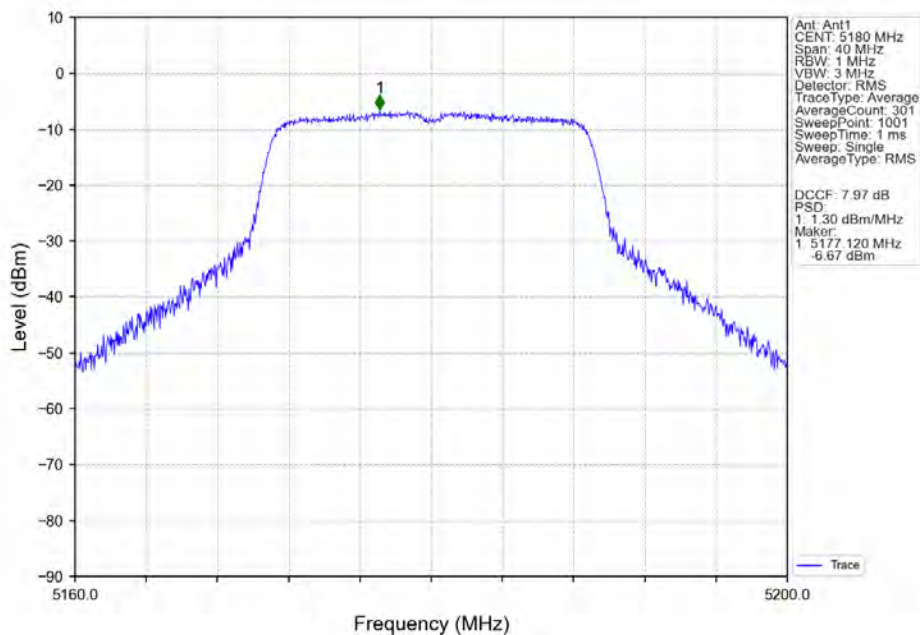
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



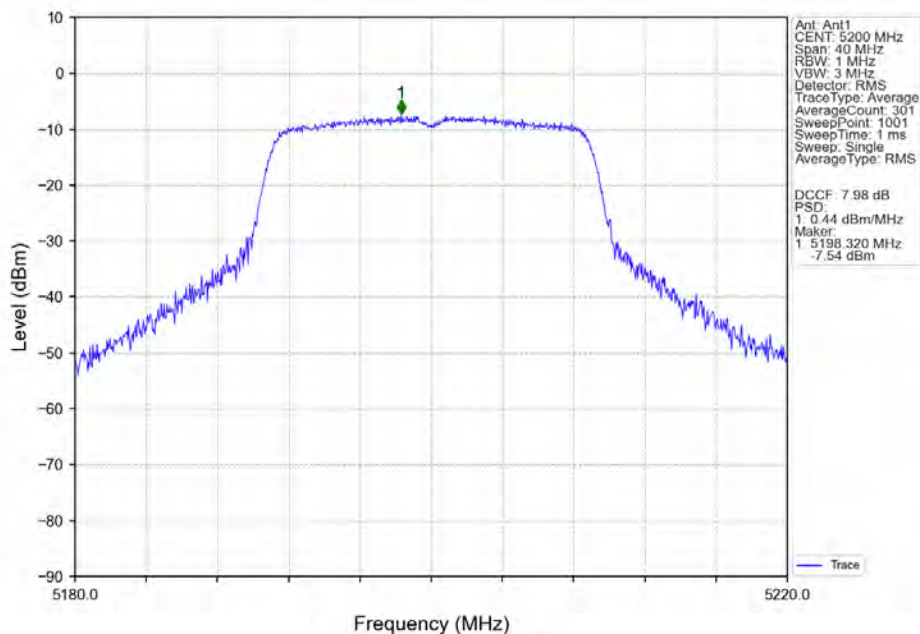
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



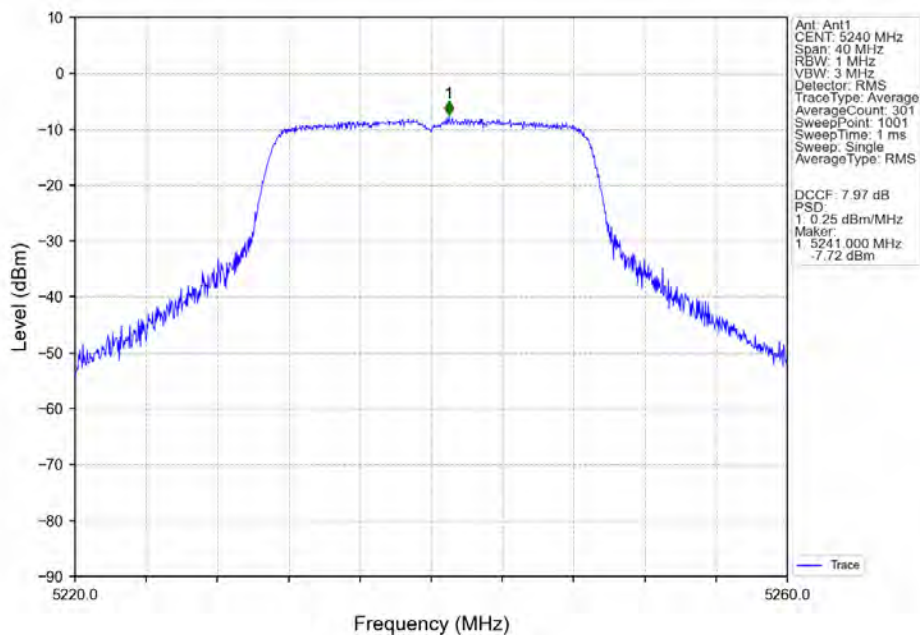
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



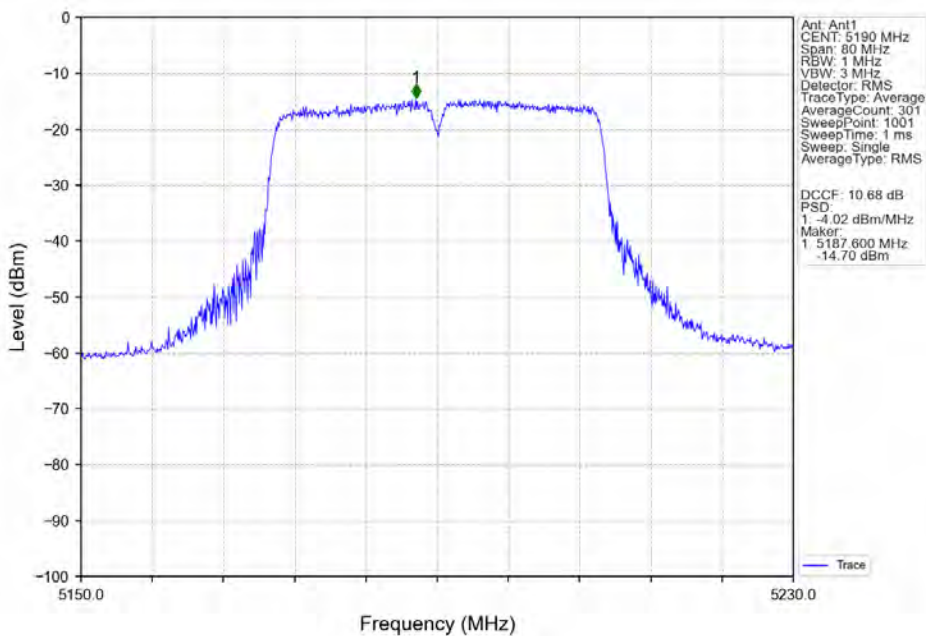
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



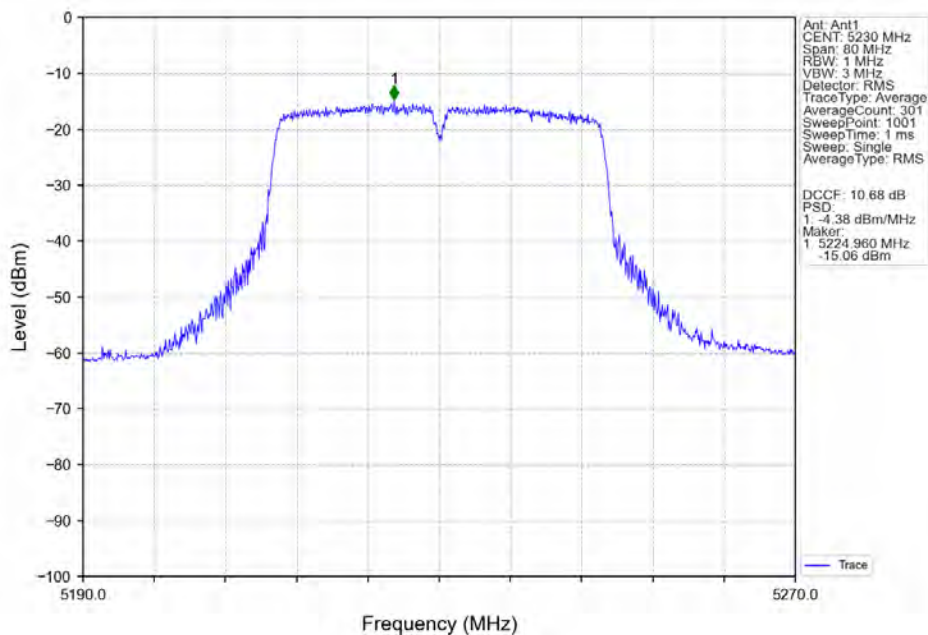
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



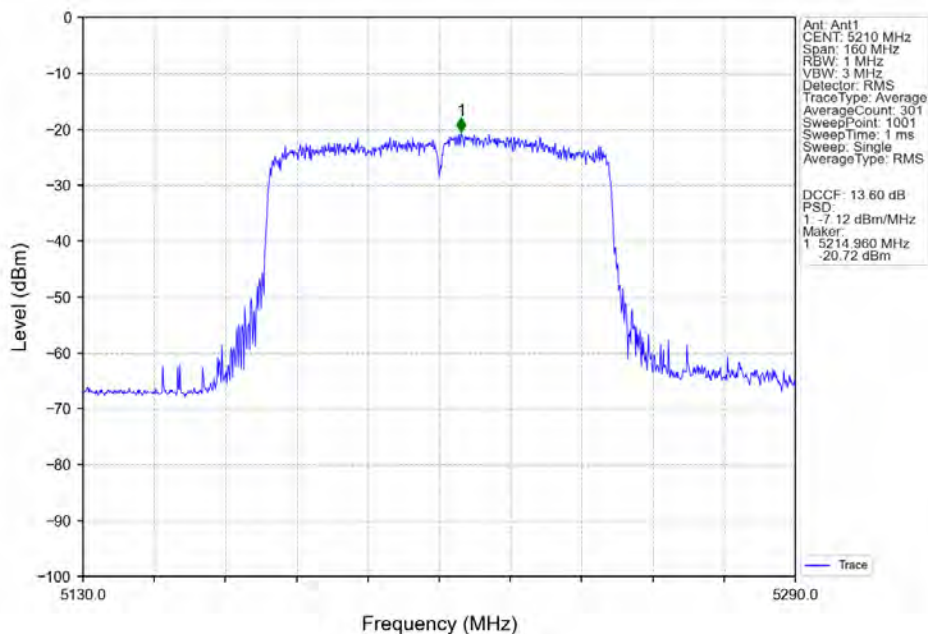
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



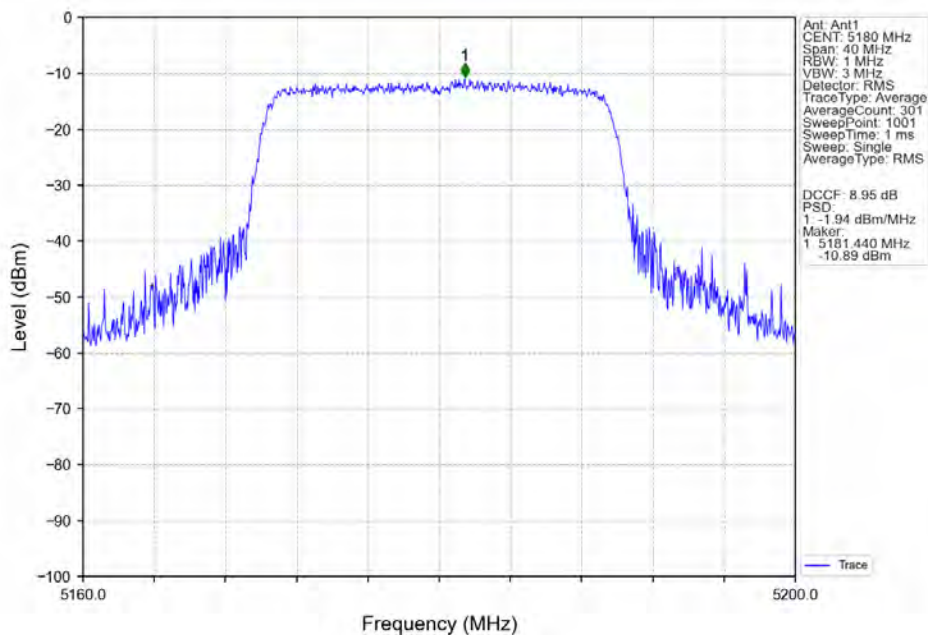
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



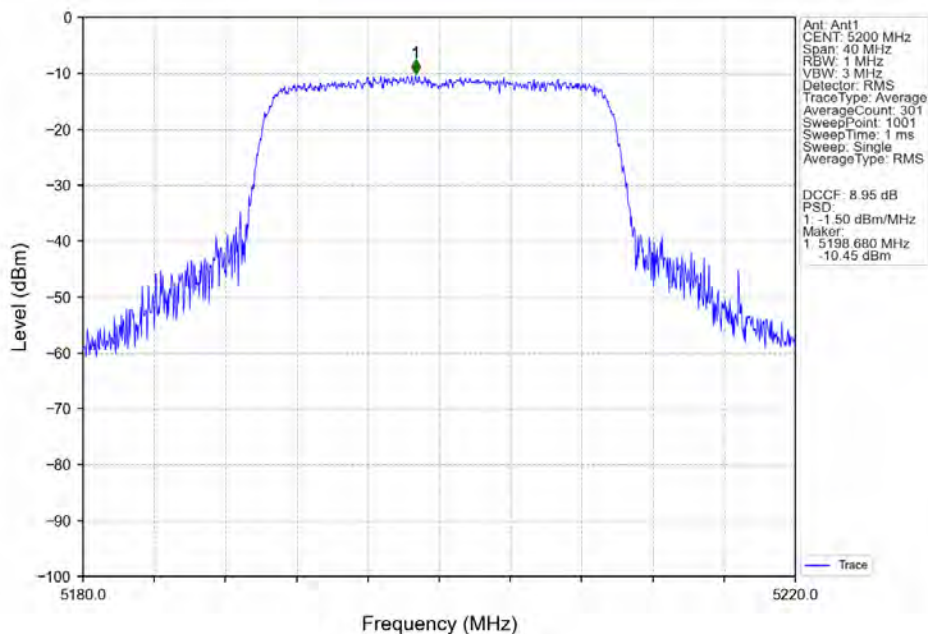
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



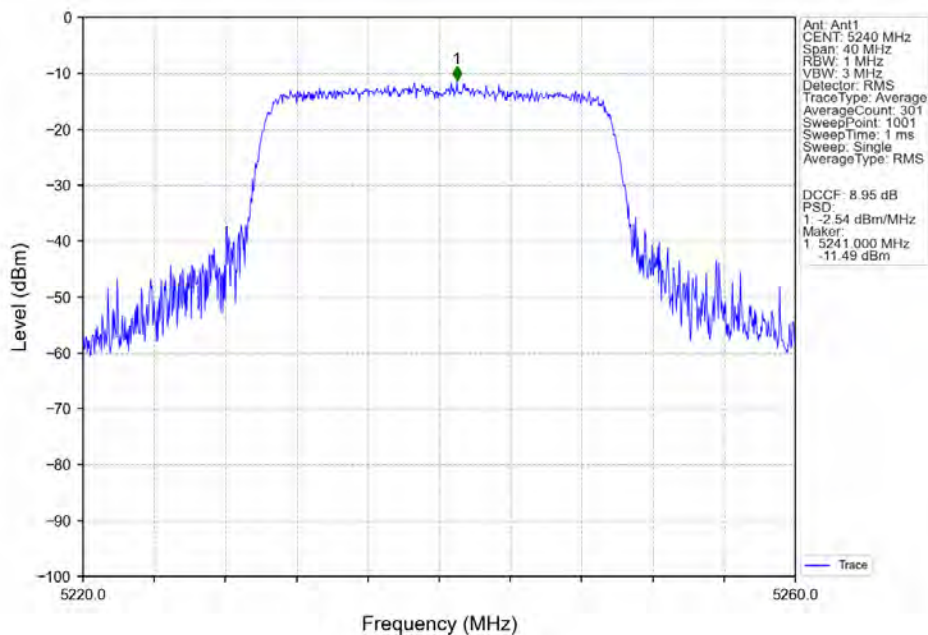
802.11ax(HEW20)_LCH_5180MHz_SU / _Ant1_NTNV



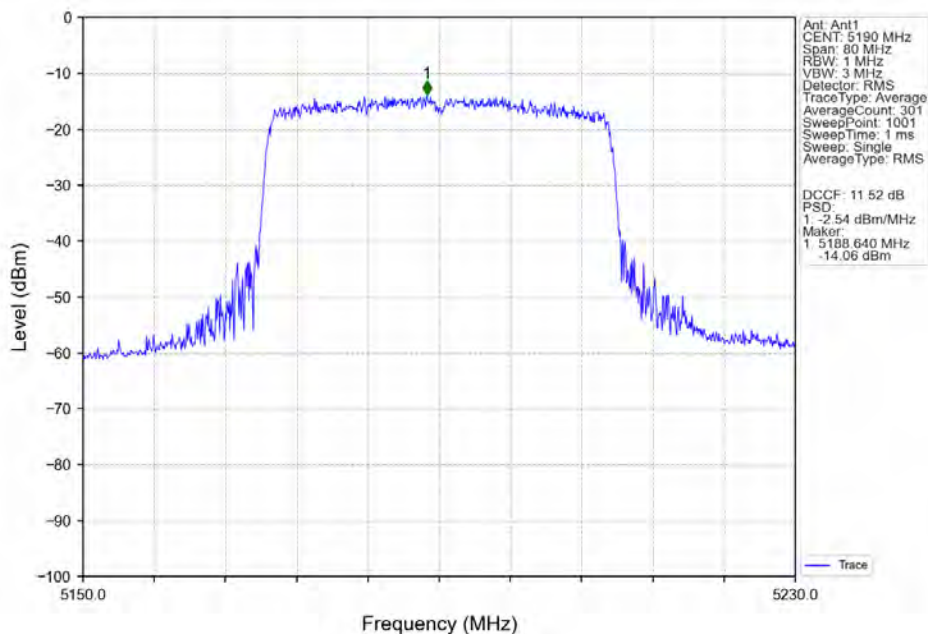
802.11ax(HEW20)_MCH_5200MHz_SU / _Ant1_NTNV



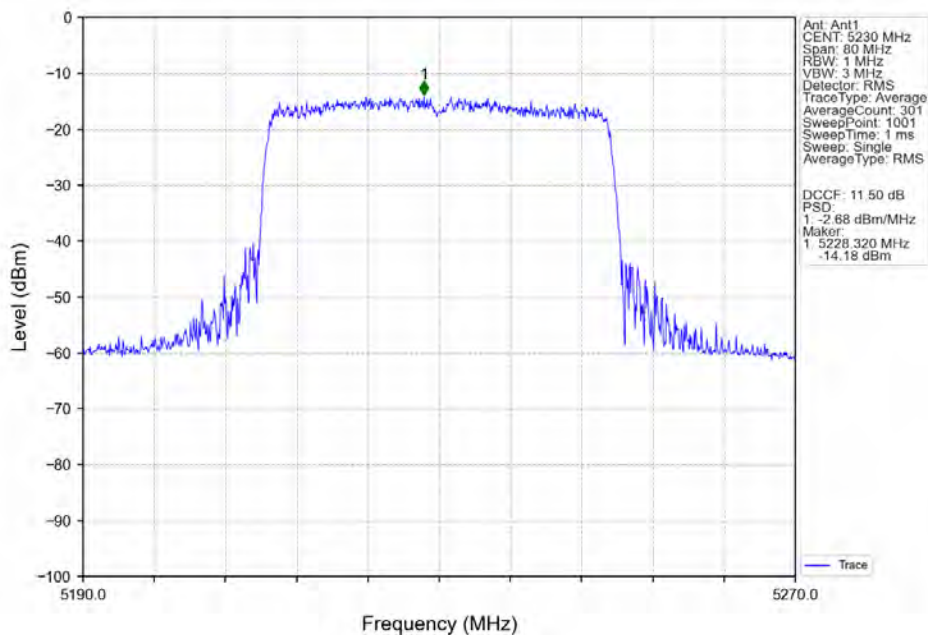
802.11ax(HEW20)_HCH_5240MHz_SU / _Ant1_NTNV



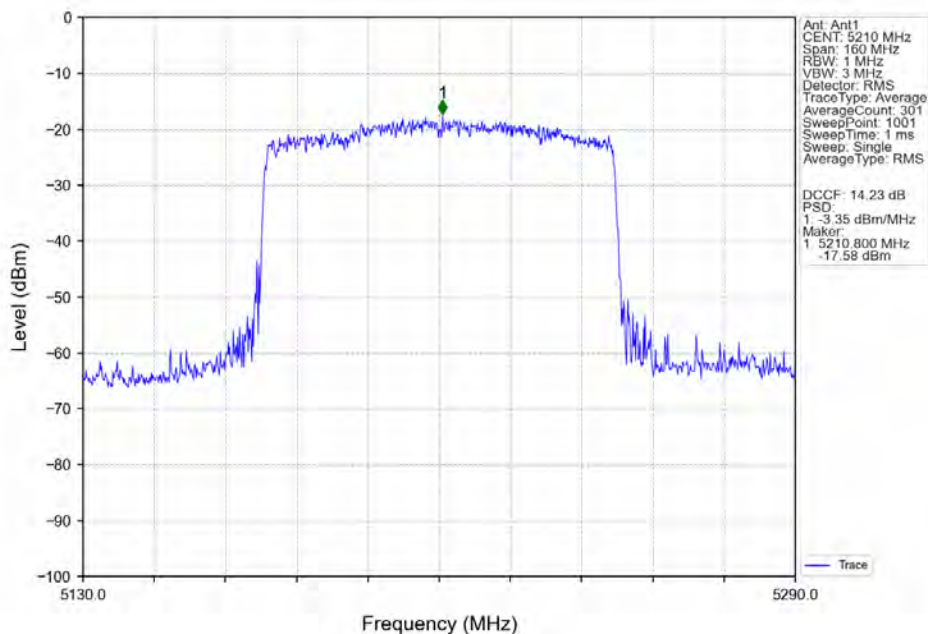
802.11ax(HEW40)_LCH_5190MHz_SU / _Ant1_NTNV



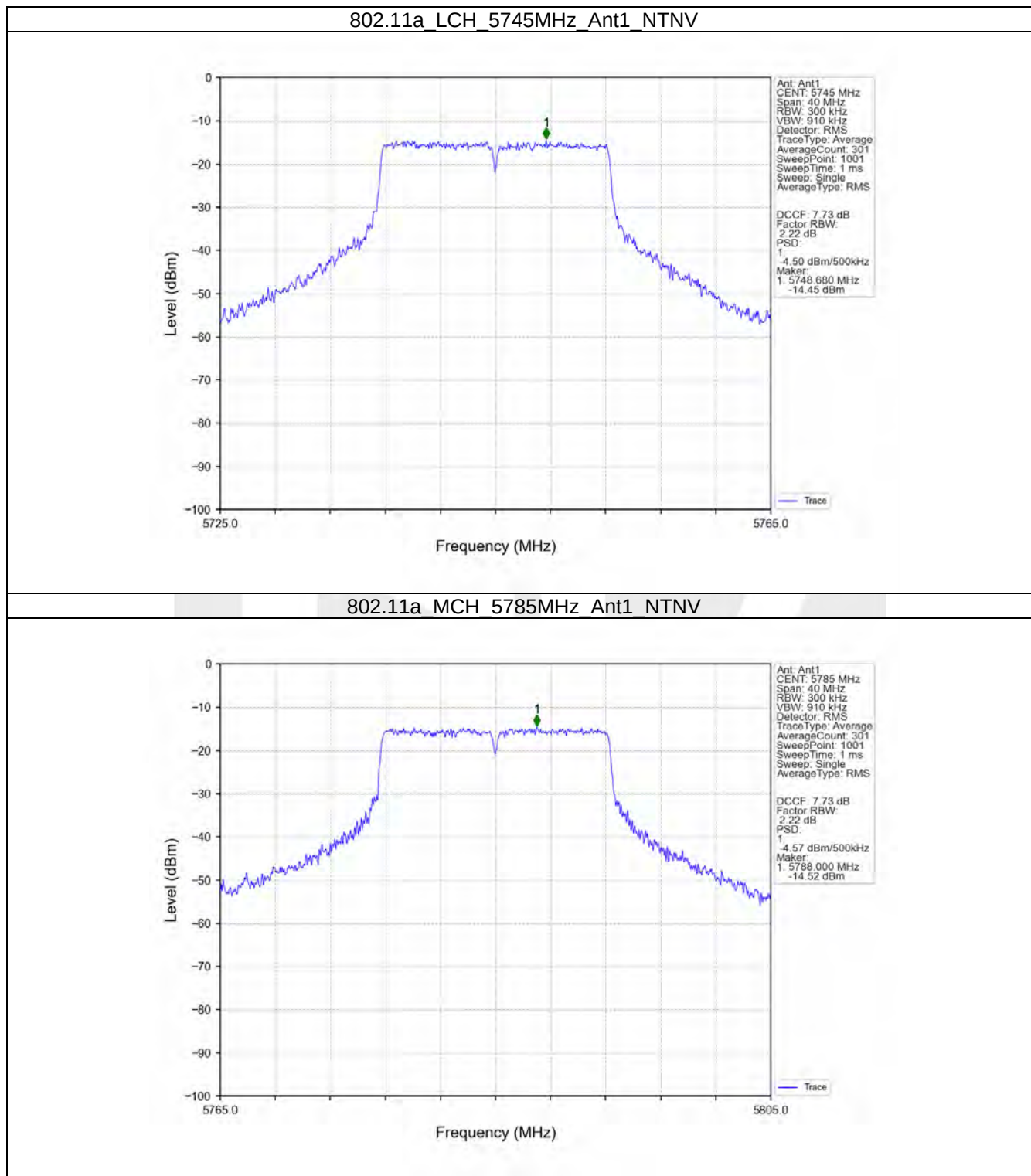
802.11ax(HEW40)_HCH_5230MHz_SU / _Ant1_NTNV



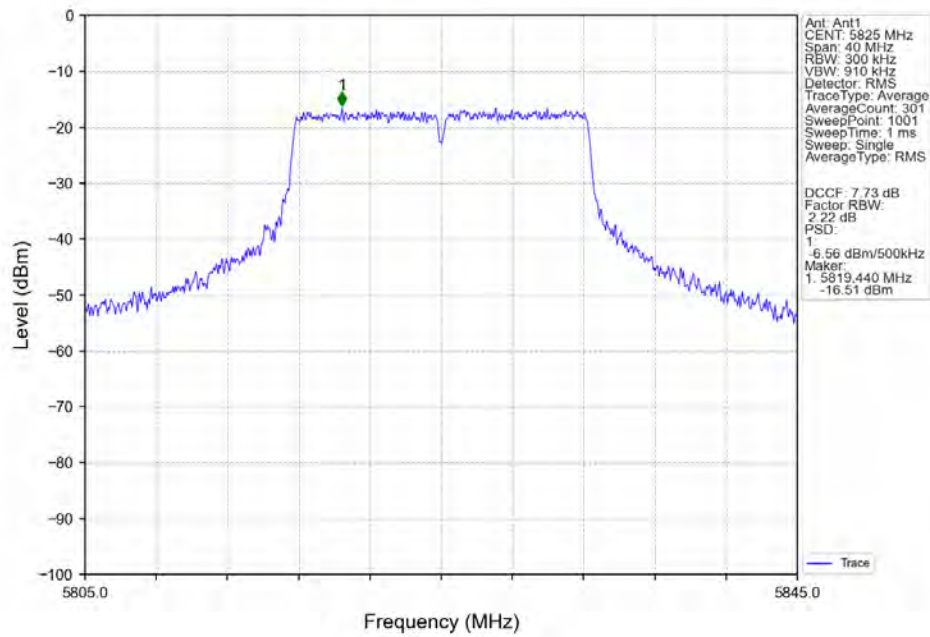
802.11ax(HEW80)_MCH_5210MHz_SU / _Ant1_NTNV



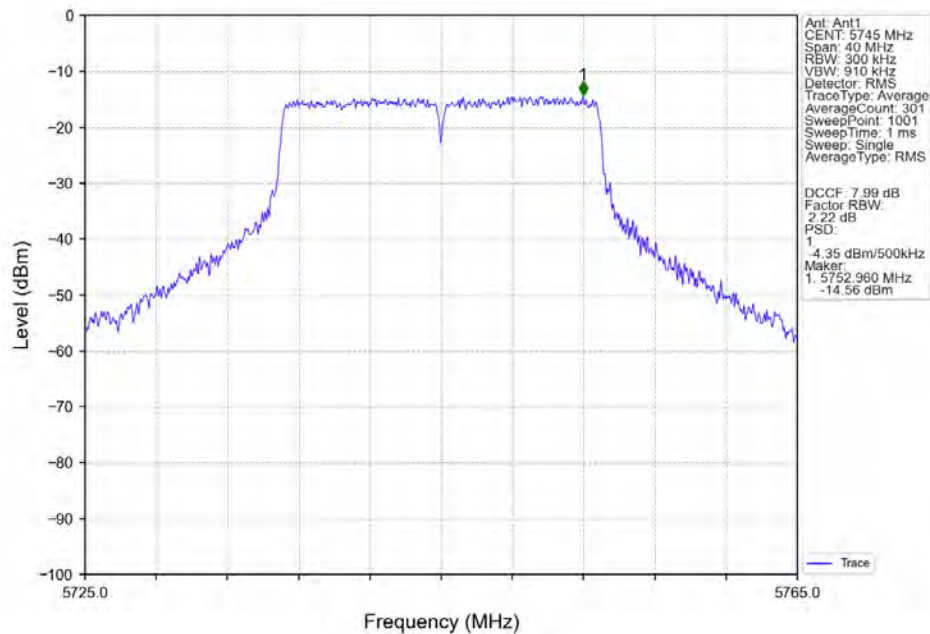
4.2.2 PSD-Band3



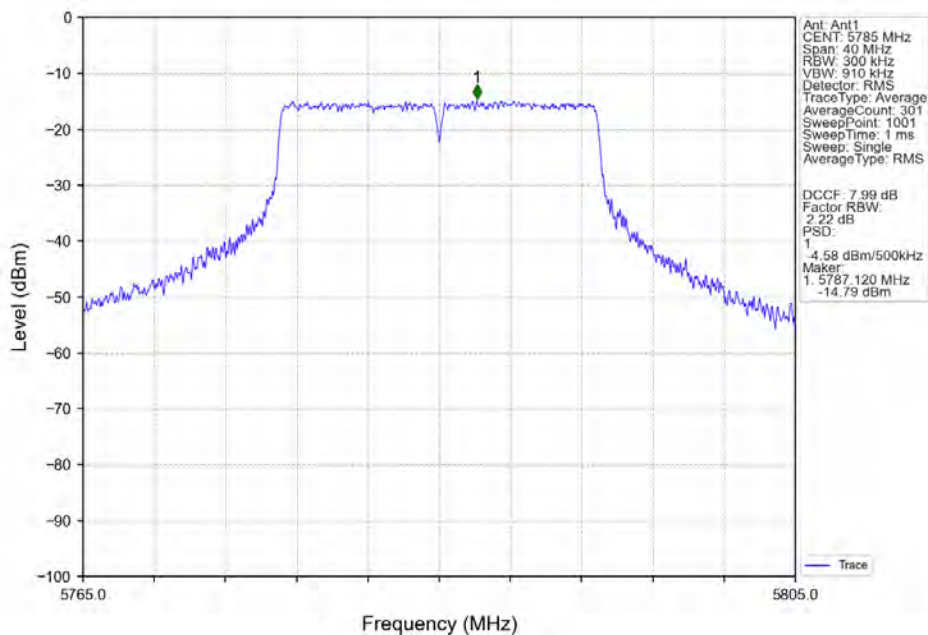
802.11a_HCH_5825MHz_Ant1_NTNV



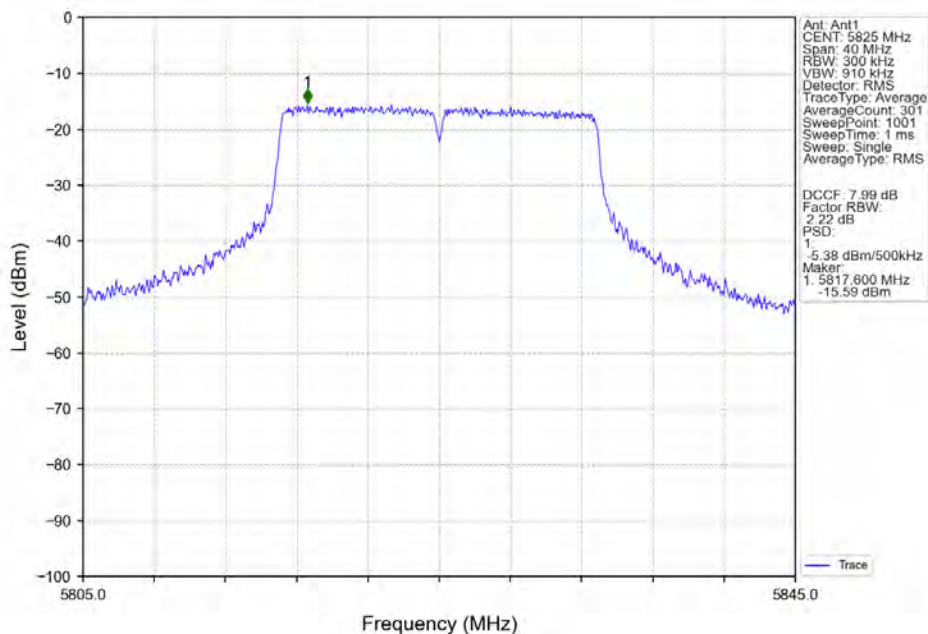
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



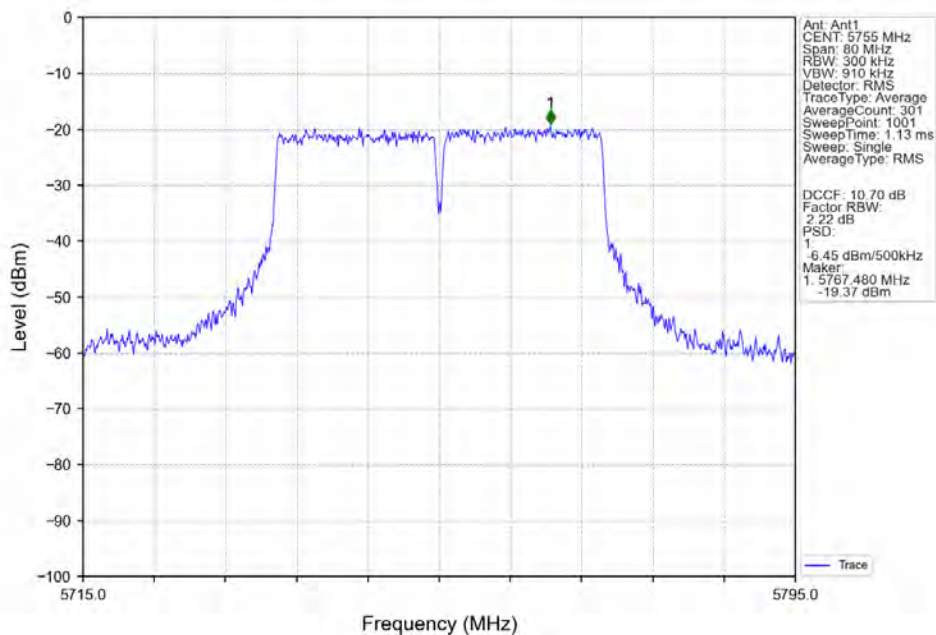
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



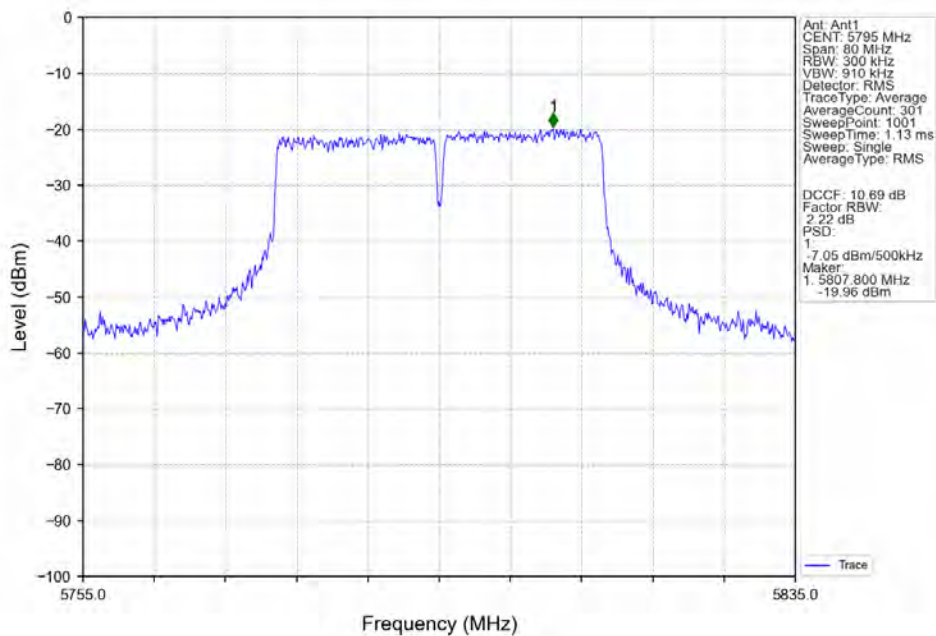
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



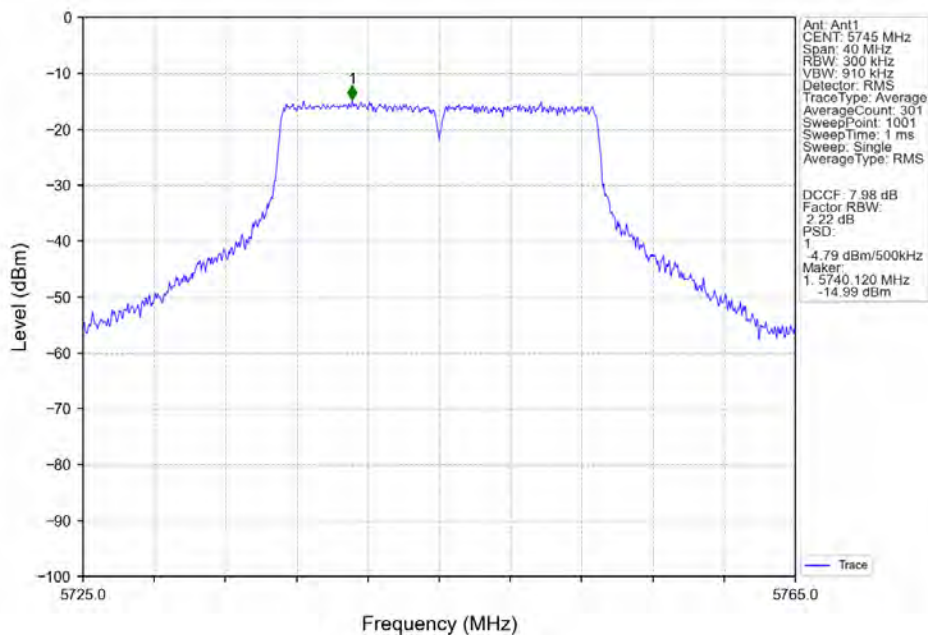
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



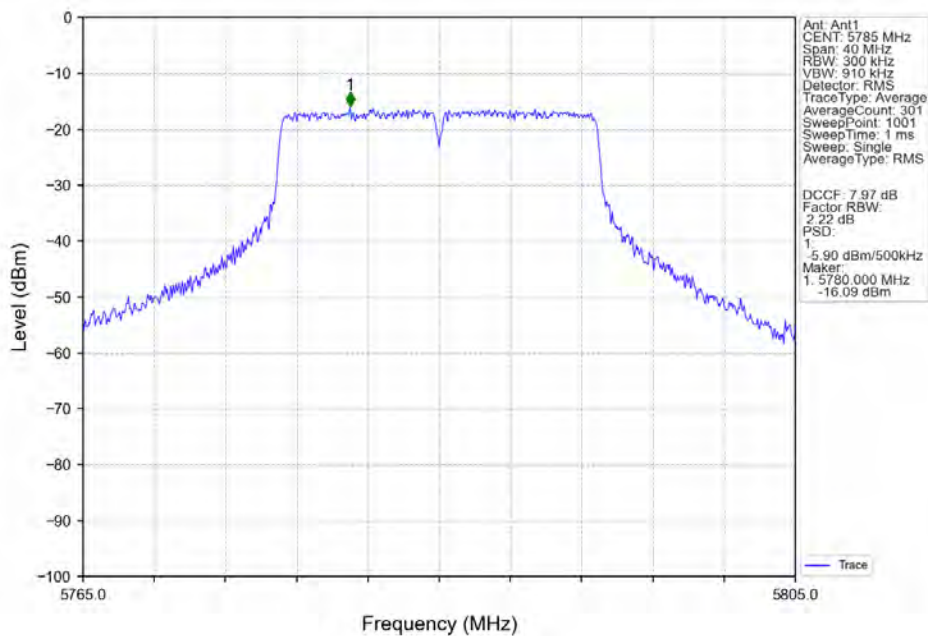
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



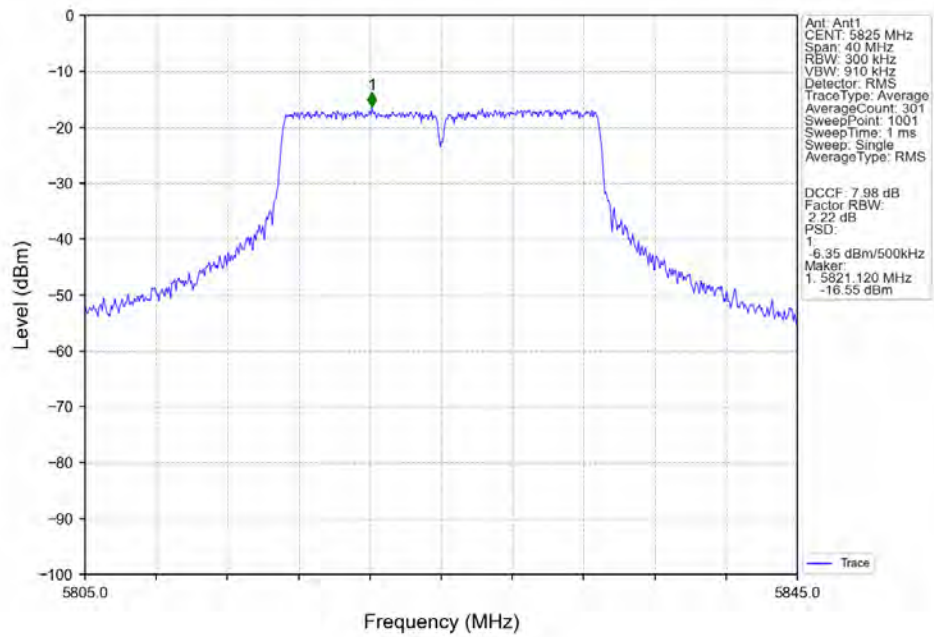
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



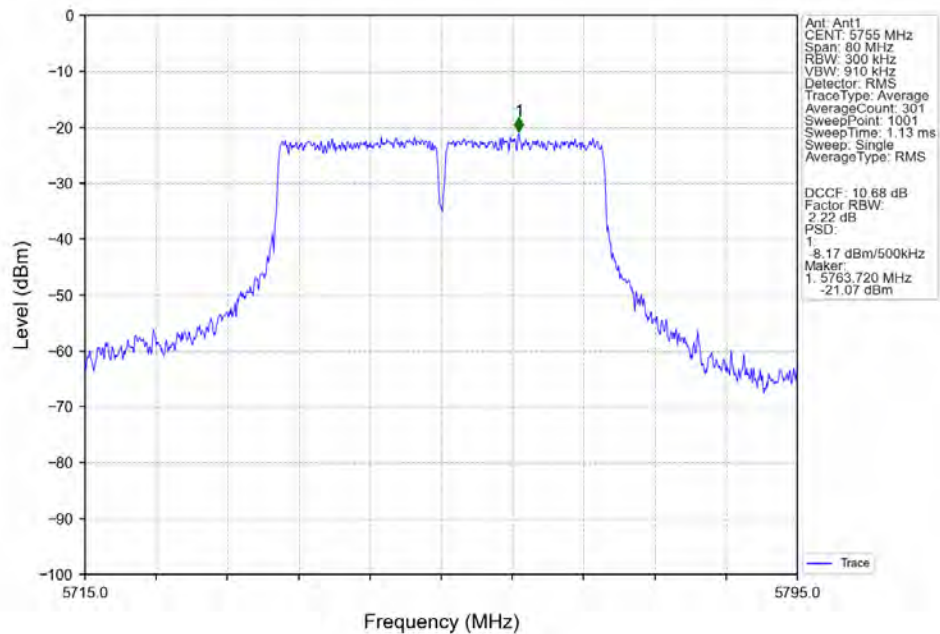
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



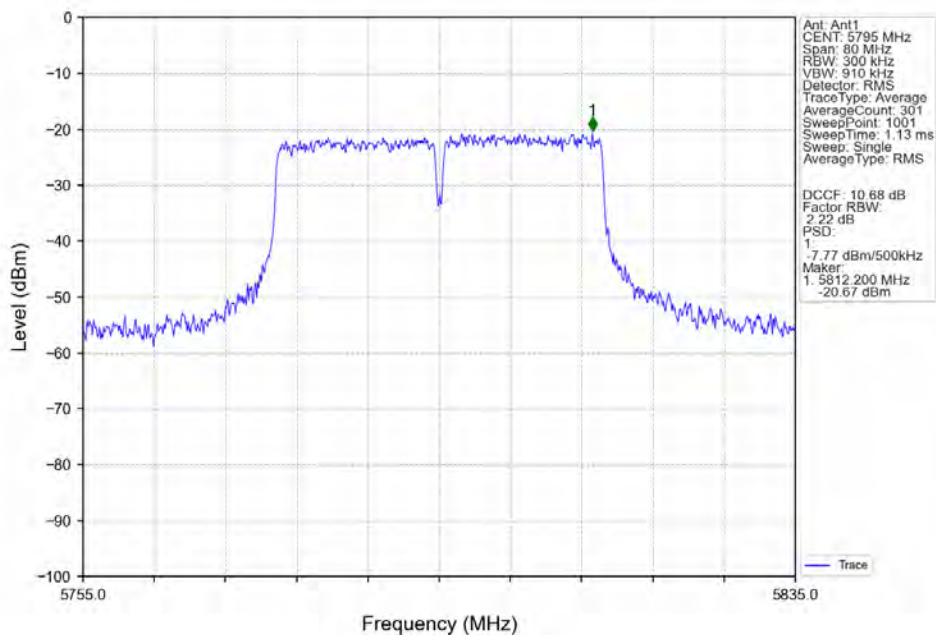
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



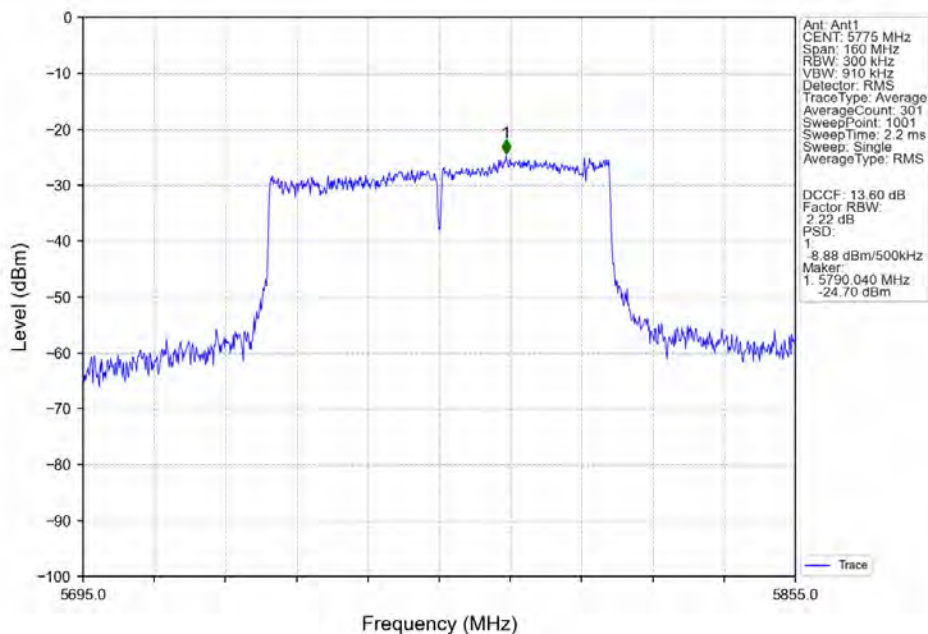
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



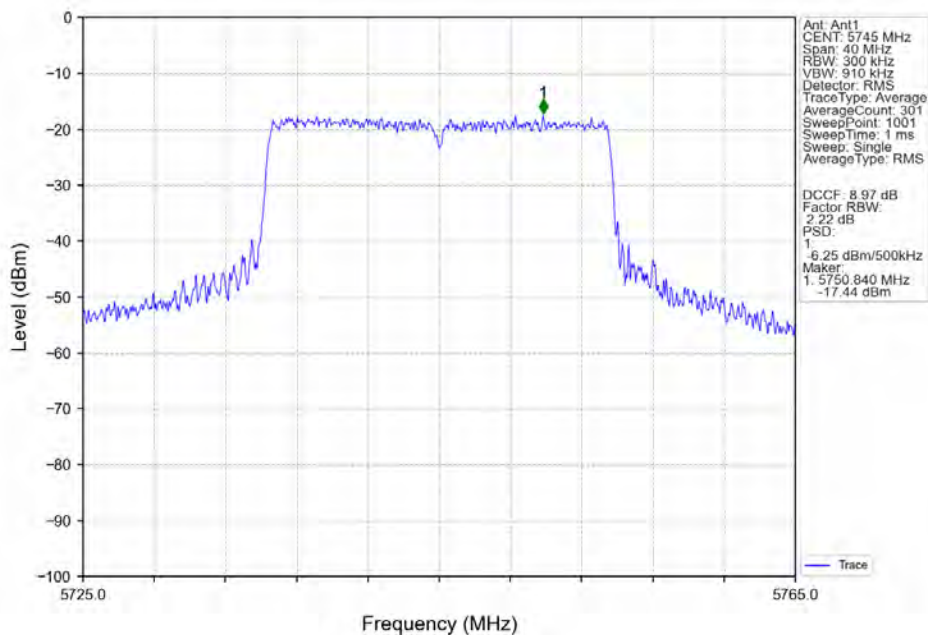
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



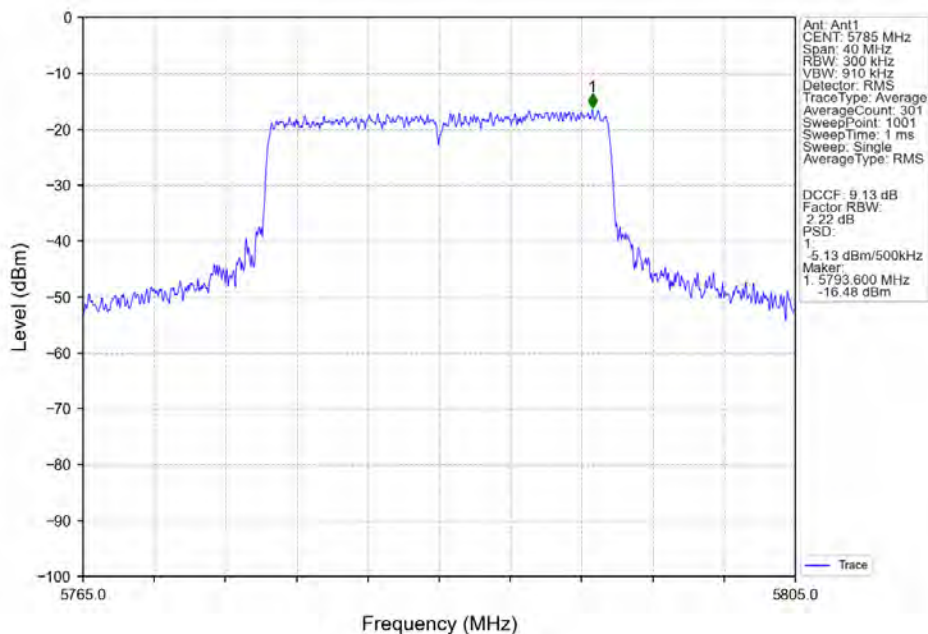
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



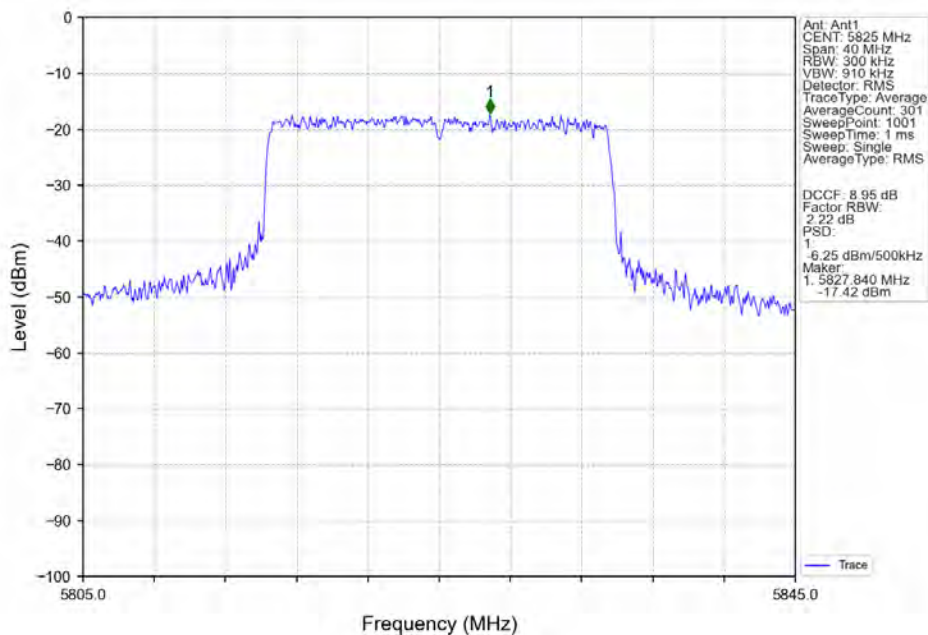
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



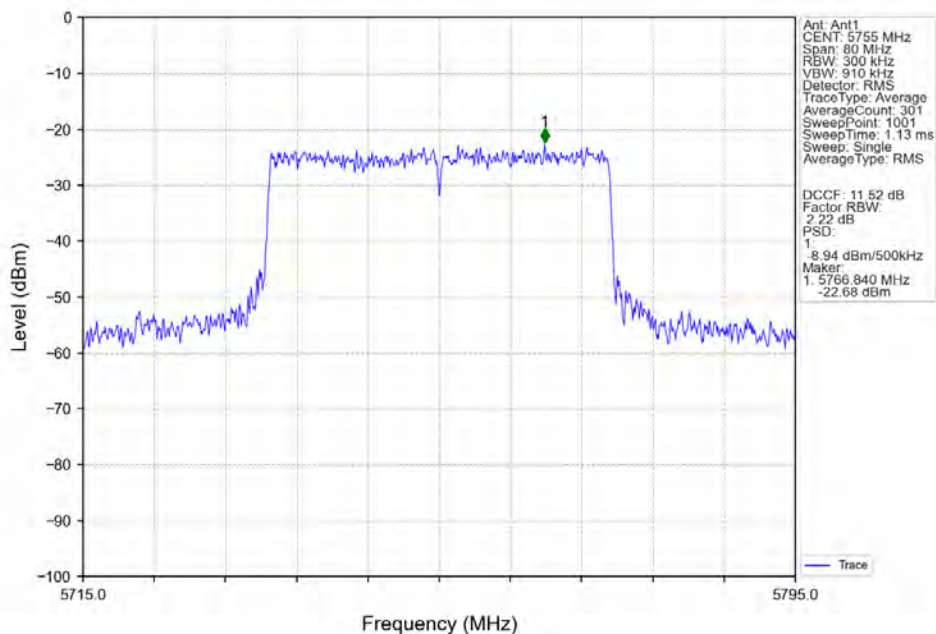
802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV

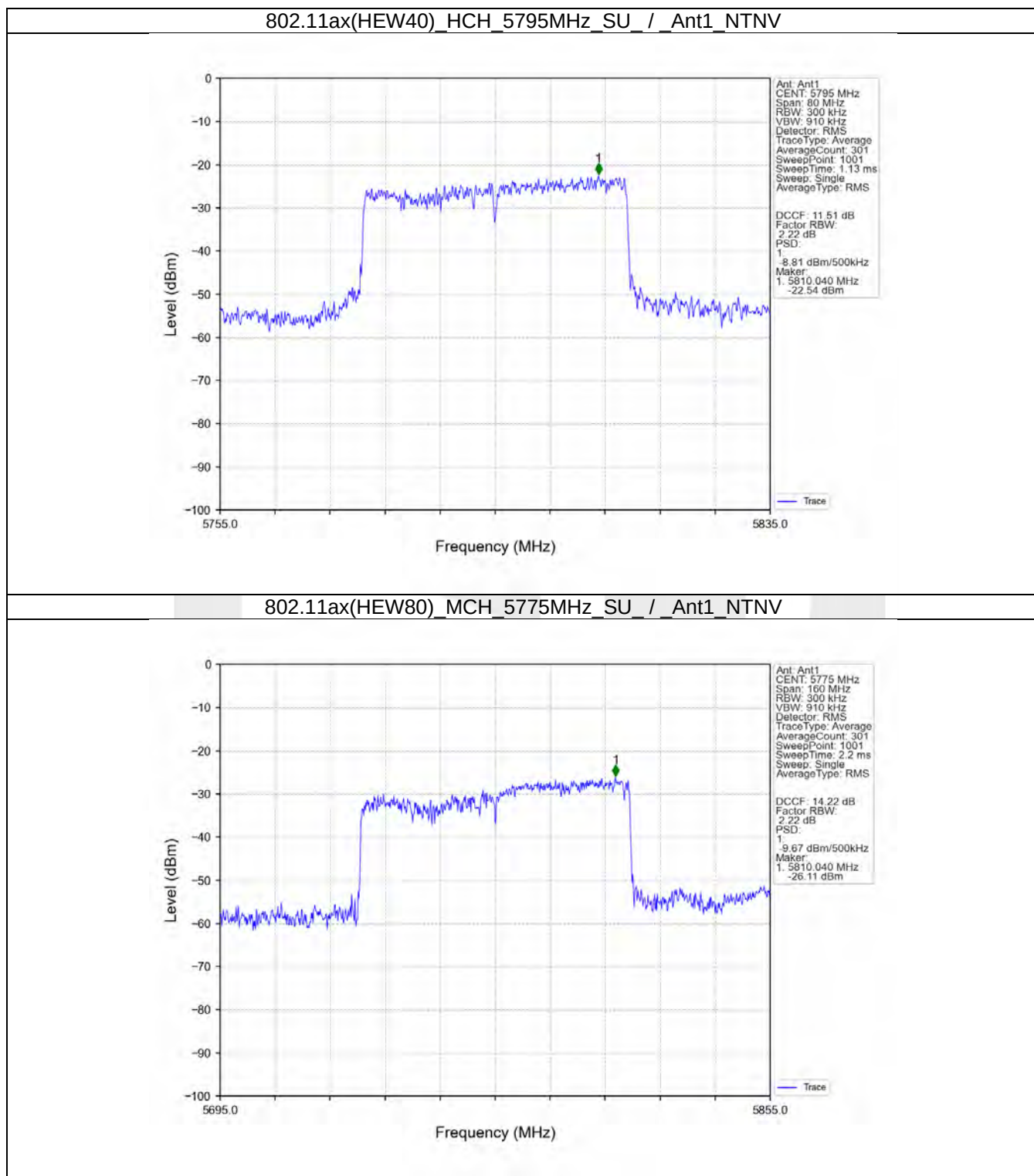


802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV





5. Unwanted Emissions In Restricted Frequency Bands

5.1 Test Result

5.1.1 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
		5745	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
		5745	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5190	/	/	1	Refer To Test Graph		Pass
		5230	/	/	1	Refer To Test Graph		Pass
		5755	/	/	1	Refer To Test Graph		Pass
		5795	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5180	/	/	1	Refer To Test Graph		Pass
		5240	/	/	1	Refer To Test Graph		Pass
		5745	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5190	/	/	1	Refer To Test Graph		Pass
		5230	/	/	1	Refer To Test Graph		Pass
		5755	/	/	1	Refer To Test Graph		Pass
		5795	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT80)	SISO	5210	/	/	1	Refer To Test Graph		Pass
		5775	/	/	1	Refer To Test Graph		Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	Refer To Test Graph		Pass
		5240	SU	/	1	Refer To Test Graph		Pass
		5745	SU	/	1	Refer To Test Graph		Pass
		5825	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	Refer To Test Graph		Pass
		5230	SU	/	1	Refer To Test Graph		Pass
		5755	SU	/	1	Refer To Test Graph		Pass
		5795	SU	/	1	Refer To Test Graph		Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	Refer To Test Graph		Pass
		5775	SU	/	1	Refer To Test Graph		Pass

Note:

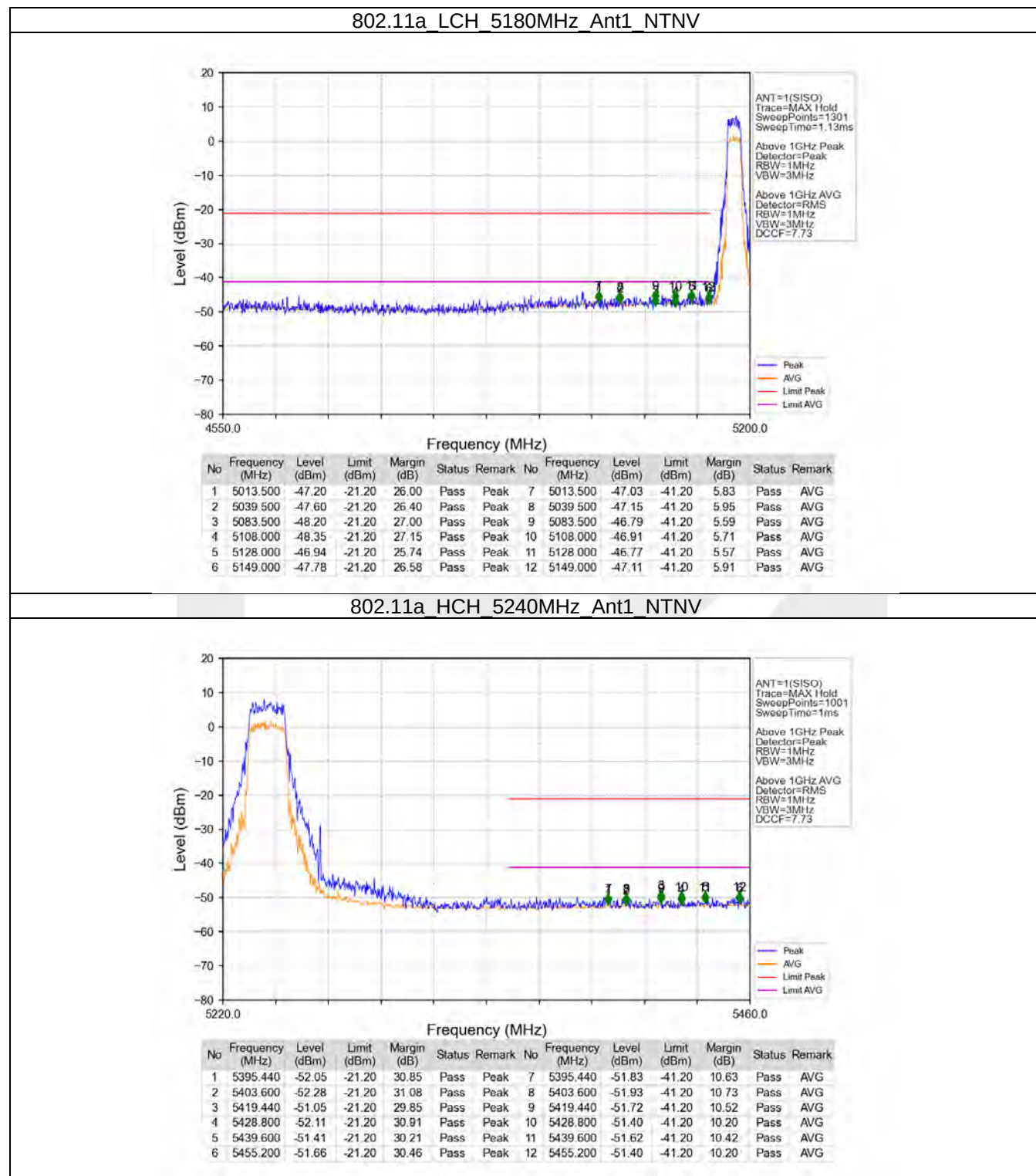
1) EIRP[dBm]=E[dBuV/m]- 95.2, for d= 3 m;

2) Level[dBm] results have calculated the antenna gain;

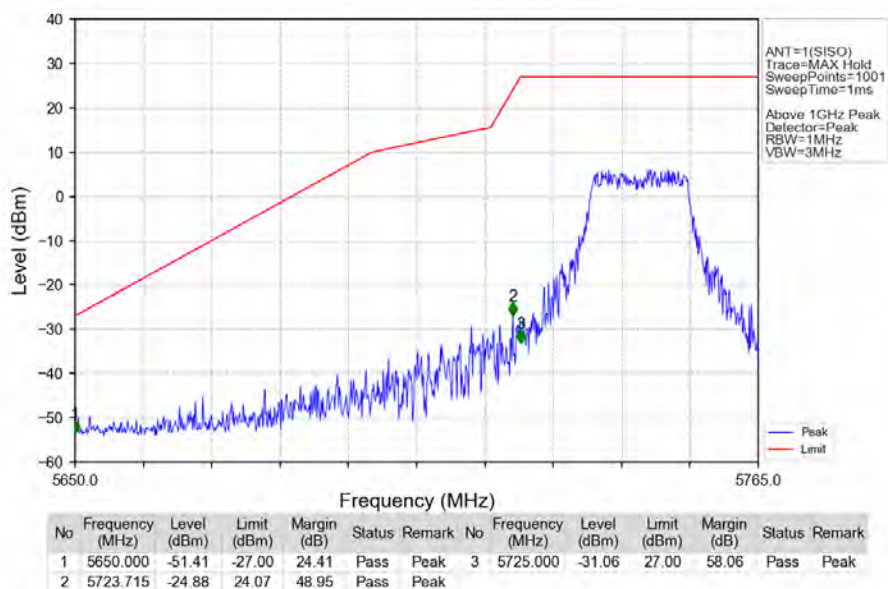
3) Antenna gain= U-NII-1: 5150 MHz to 5250 MHz: 1.65 dBi and U-NII-3: 5725 MHz to 5850 MHz: 2.11 dBi

5.2 Test Graph

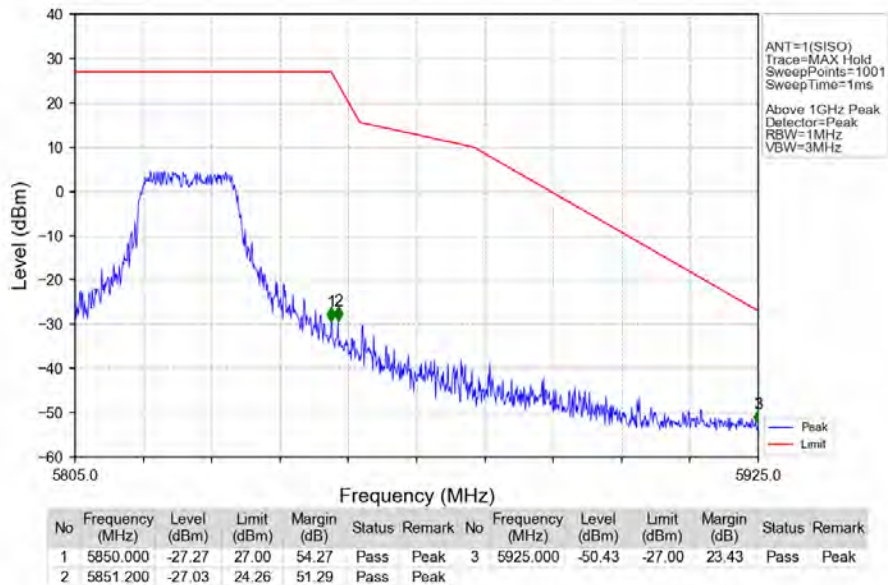
5.2.1 CSE



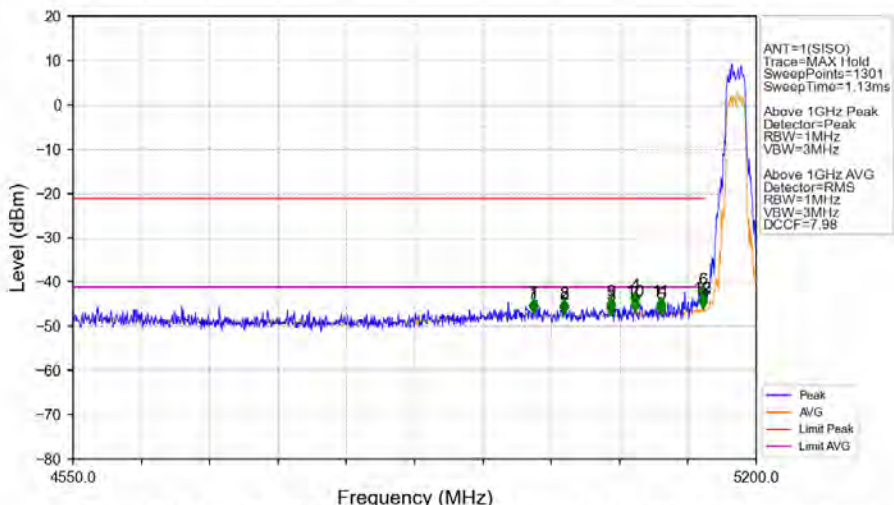
802.11a_LCH_5745MHz_Ant1_NTNV



802.11a_HCH_5825MHz_Ant1_NTNV

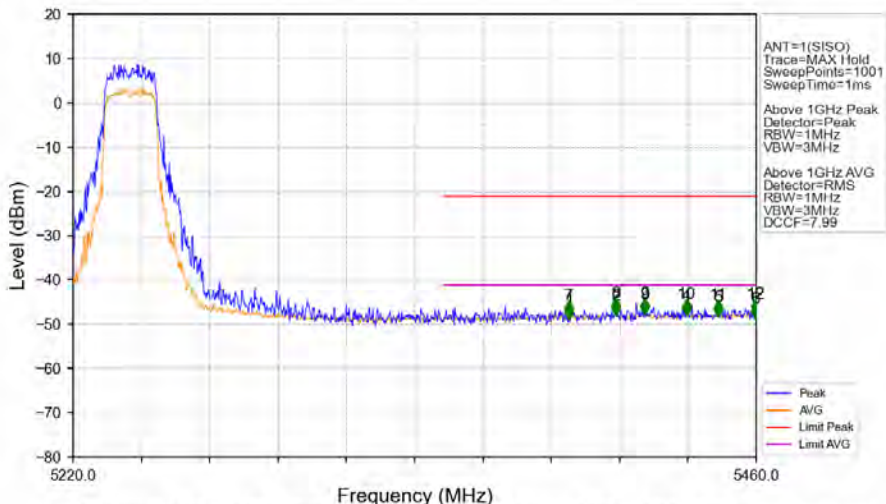


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



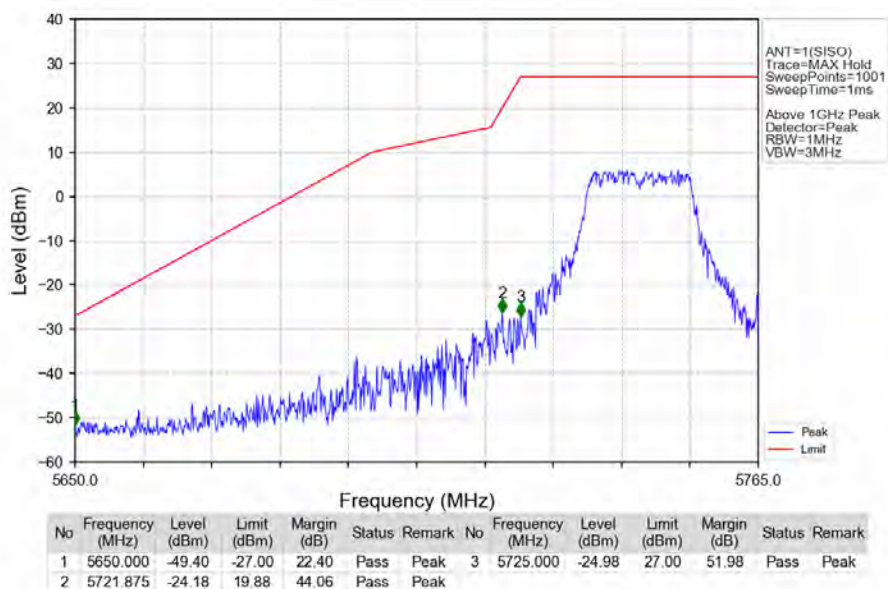
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4988.000	-47.00	-21.20	25.80	Pass	Peak	7	4988.000	-46.95	-41.20	5.75	Pass	AVG
2	5017.000	-47.21	-21.20	26.01	Pass	Peak	8	5017.000	-46.93	-41.20	5.73	Pass	AVG
3	5061.500	-47.52	-21.20	26.32	Pass	Peak	9	5061.500	-46.58	-41.20	5.38	Pass	AVG
4	5085.000	-45.17	-21.20	23.97	Pass	Peak	10	5085.000	-46.65	-41.20	5.45	Pass	AVG
5	5109.000	-47.40	-21.20	26.20	Pass	Peak	11	5109.000	-46.54	-41.20	5.34	Pass	AVG
6	5149.000	-43.89	-21.20	22.69	Pass	Peak	12	5149.000	-45.92	-41.20	4.72	Pass	AVG

802.11n(HT20)_HCH_5240MHz_Ant1_NTNV

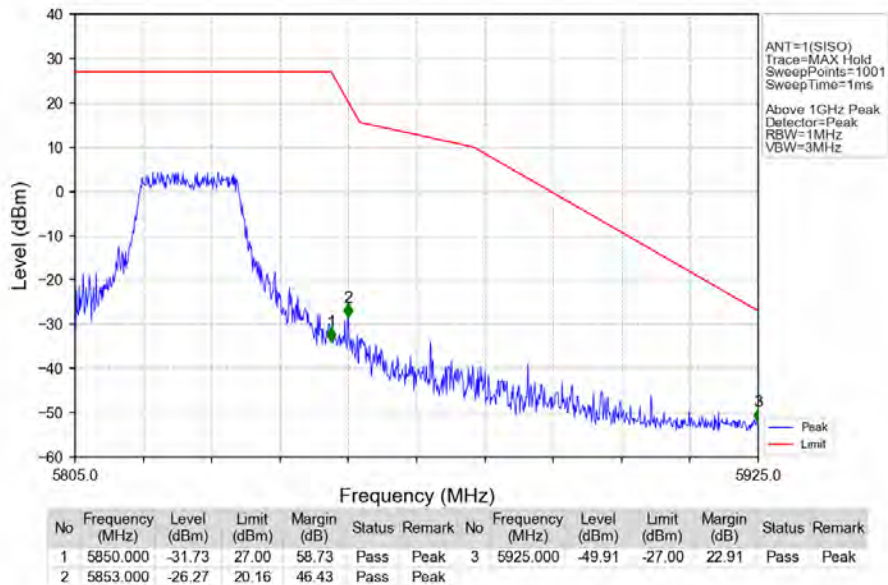


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5394.240	-48.79	-21.20	27.59	Pass	Peak	7	5394.240	-47.94	-41.20	6.74	Pass	AVG
2	5410.560	-47.85	-21.20	26.65	Pass	Peak	8	5410.560	-47.42	-41.20	6.22	Pass	AVG
3	5420.880	-47.37	-21.20	26.17	Pass	Peak	9	5420.880	-47.72	-41.20	6.52	Pass	AVG
4	5435.520	-47.88	-21.20	26.68	Pass	Peak	10	5435.520	-47.44	-41.20	6.24	Pass	AVG
5	5446.560	-48.22	-21.20	27.02	Pass	Peak	11	5446.560	-47.68	-41.20	6.48	Pass	AVG
6	5459.760	-48.70	-21.20	27.50	Pass	Peak	12	5459.760	-47.44	-41.20	6.24	Pass	AVG

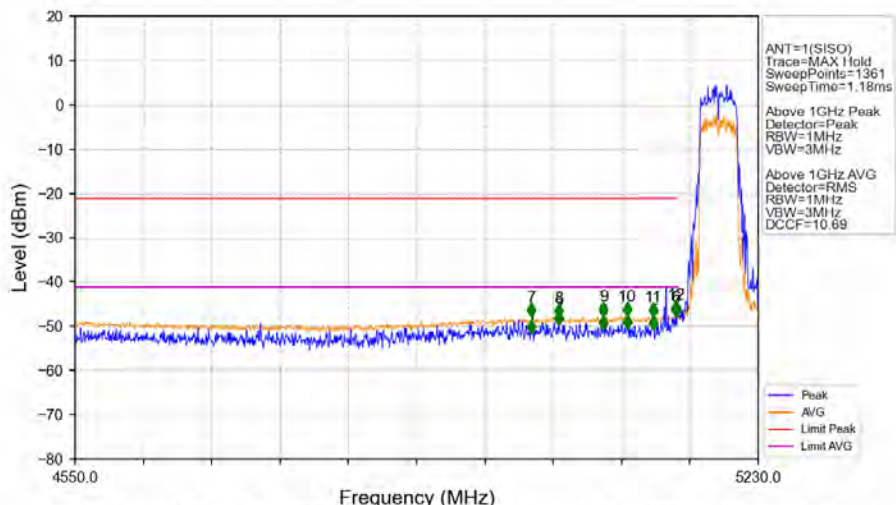
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20)_HCH_5825MHz_Ant1_NTNV

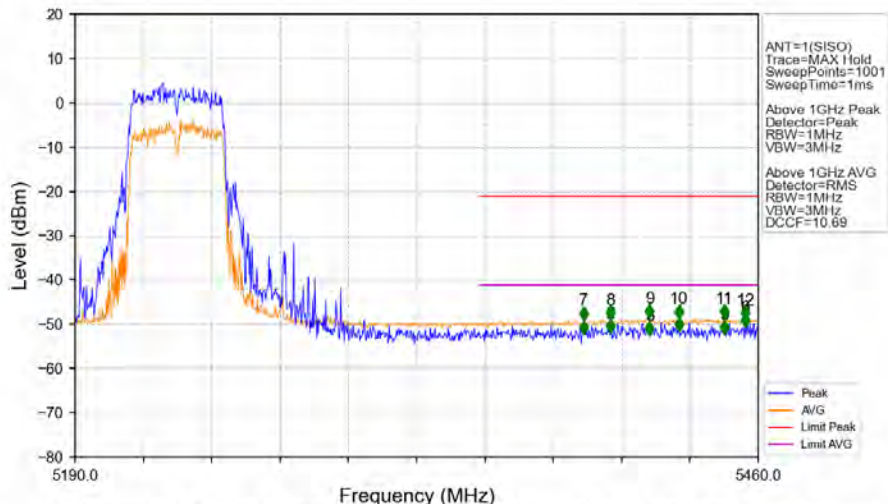


802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



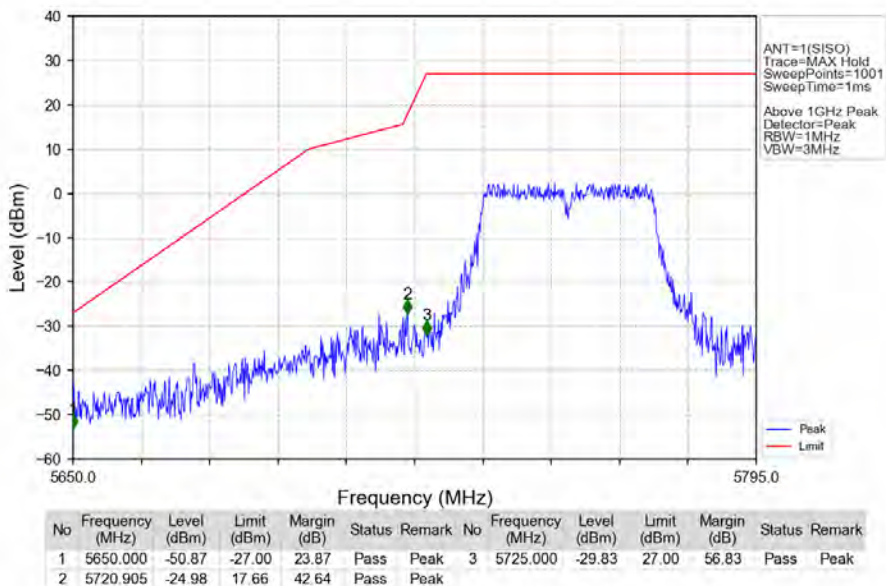
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5004.500	-51.66	-21.20	30.46	Pass	Peak	7	5004.500	-47.88	-41.20	6.68	Pass	AVG
2	5031.500	-49.68	-21.20	28.48	Pass	Peak	8	5031.500	-48.02	-41.20	6.82	Pass	AVG
3	5076.000	-50.87	-21.20	29.67	Pass	Peak	9	5076.000	-47.65	-41.20	6.45	Pass	AVG
4	5099.500	-50.54	-21.20	29.34	Pass	Peak	10	5099.500	-47.65	-41.20	6.45	Pass	AVG
5	5125.500	-50.85	-21.20	29.65	Pass	Peak	11	5125.500	-47.92	-41.20	6.72	Pass	AVG
6	5148.000	-47.85	-21.20	26.65	Pass	Peak	12	5148.000	-47.41	-41.20	6.21	Pass	AVG

802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

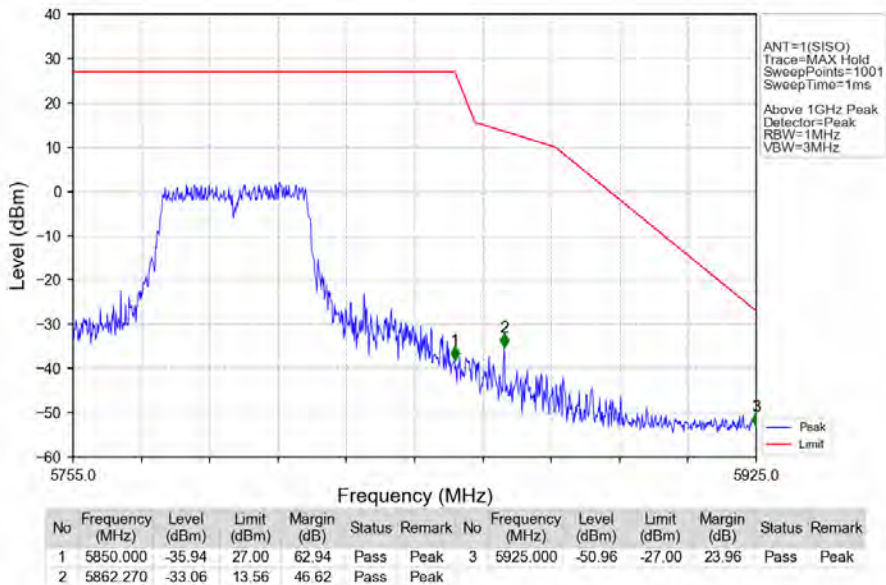


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5391.150	-52.26	-21.20	31.06	Pass	Peak	7	5391.150	-49.07	-41.20	7.87	Pass	AVG
2	5401.680	-51.85	-21.20	30.65	Pass	Peak	8	5401.680	-48.92	-41.20	7.72	Pass	AVG
3	5417.070	-52.40	-21.20	31.20	Pass	Peak	9	5417.070	-48.68	-41.20	7.48	Pass	AVG
4	5428.680	-51.45	-21.20	30.25	Pass	Peak	10	5428.680	-48.71	-41.20	7.51	Pass	AVG
5	5446.500	-52.32	-21.20	31.12	Pass	Peak	11	5446.500	-48.53	-41.20	7.33	Pass	AVG
6	5454.870	-50.67	-21.20	29.47	Pass	Peak	12	5454.870	-48.92	-41.20	7.72	Pass	AVG

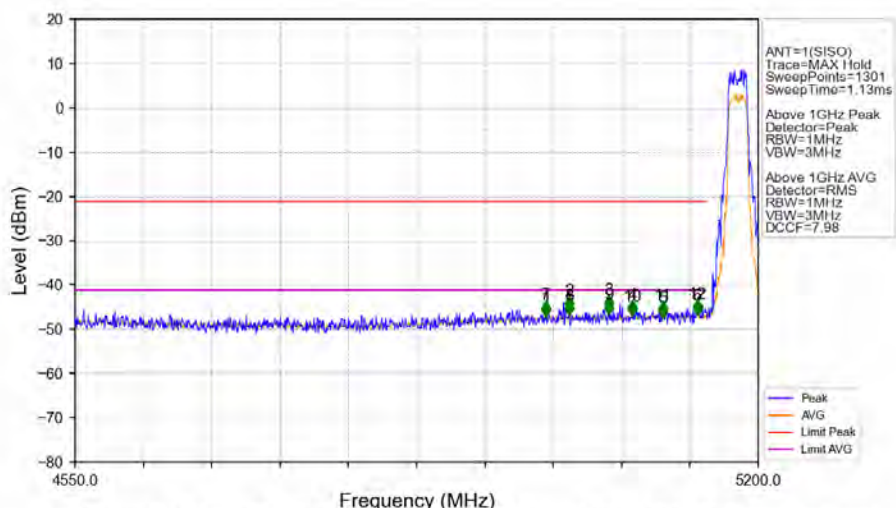
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV

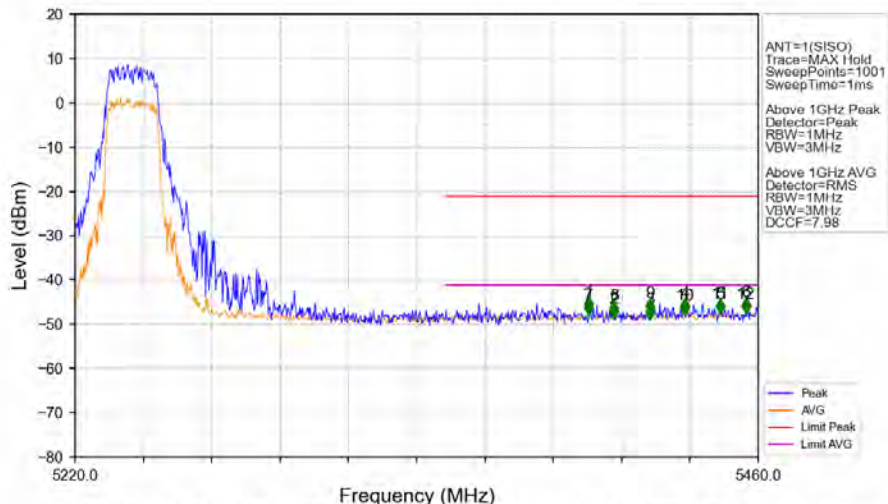


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



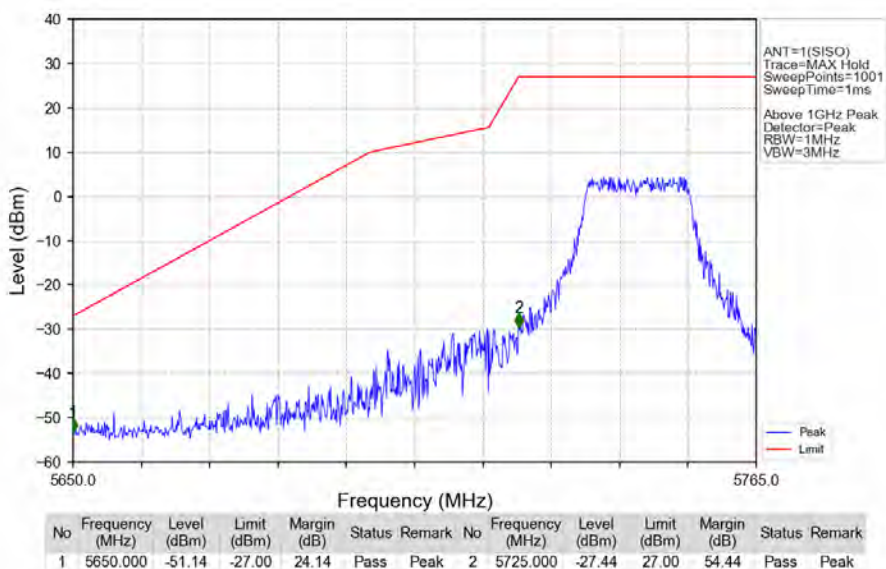
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4998.000	-47.23	-21.20	26.03	Pass	Peak	7	4998.000	-46.70	-41.20	5.50	Pass	AVG
2	5020.000	-45.64	-21.20	24.44	Pass	Peak	8	5020.000	-46.79	-41.20	5.59	Pass	AVG
3	5057.500	-45.48	-21.20	24.28	Pass	Peak	9	5057.500	-46.67	-41.20	5.47	Pass	AVG
4	5080.500	-46.68	-21.20	25.48	Pass	Peak	10	5080.500	-46.92	-41.20	5.72	Pass	AVG
5	5109.000	-47.37	-21.20	26.17	Pass	Peak	11	5109.000	-46.72	-41.20	5.52	Pass	AVG
6	5142.000	-46.83	-21.20	25.63	Pass	Peak	12	5142.000	-46.50	-41.20	5.30	Pass	AVG

802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV

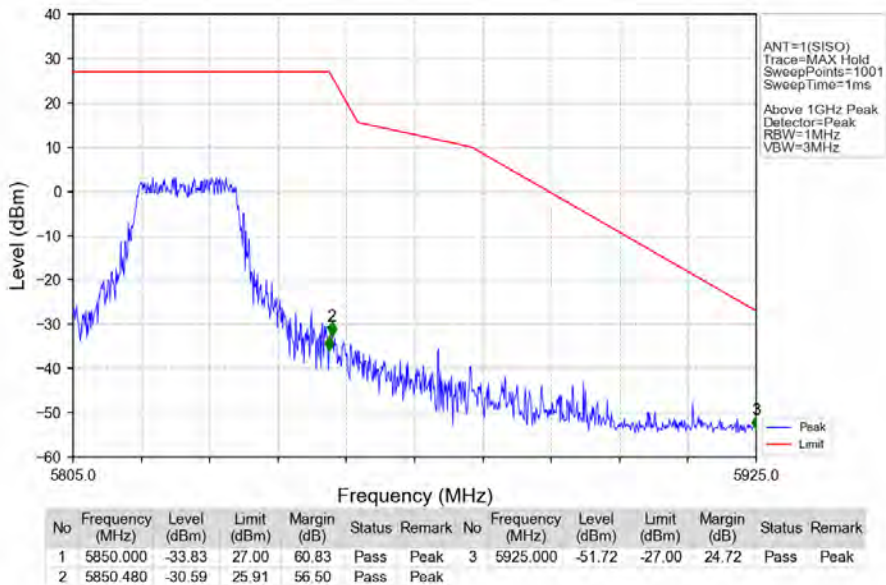


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5400.480	-46.95	-21.20	25.75	Pass	Peak	7	5400.480	-47.91	-41.20	6.71	Pass	AVG
2	5409.360	-48.63	-21.20	27.43	Pass	Peak	8	5409.360	-47.88	-41.20	6.68	Pass	AVG
3	5422.080	-48.78	-21.20	27.58	Pass	Peak	9	5422.080	-47.43	-41.20	6.23	Pass	AVG
4	5434.320	-47.42	-21.20	26.22	Pass	Peak	10	5434.320	-47.86	-41.20	6.66	Pass	AVG
5	5446.560	-47.47	-21.20	26.27	Pass	Peak	11	5446.560	-47.57	-41.20	6.37	Pass	AVG
6	5455.680	-47.17	-21.20	25.97	Pass	Peak	12	5455.680	-47.54	-41.20	6.34	Pass	AVG

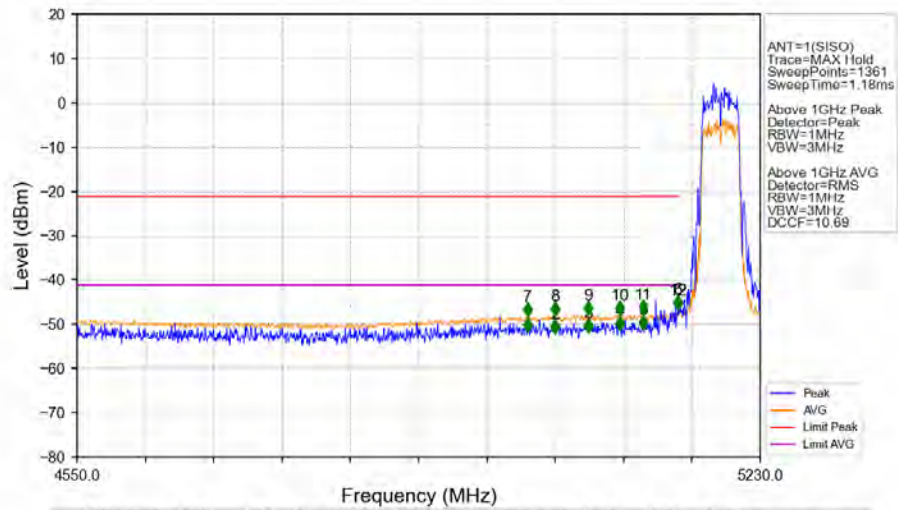
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV

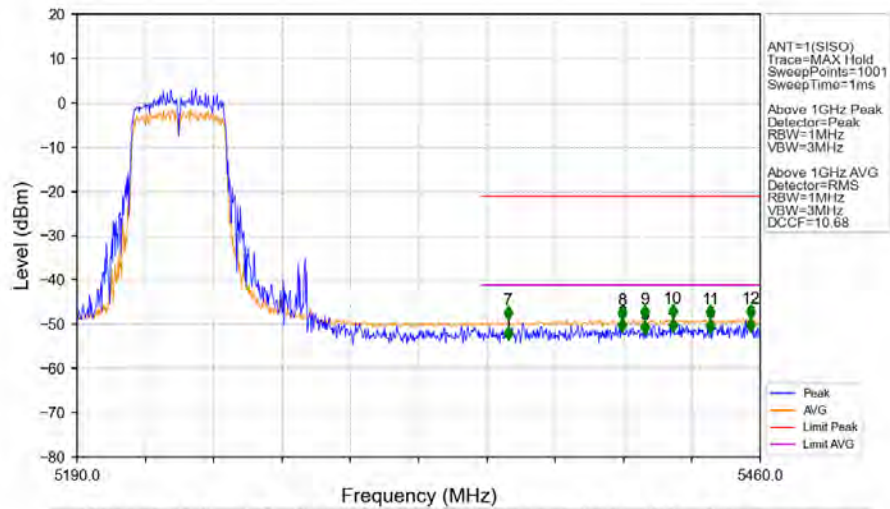


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



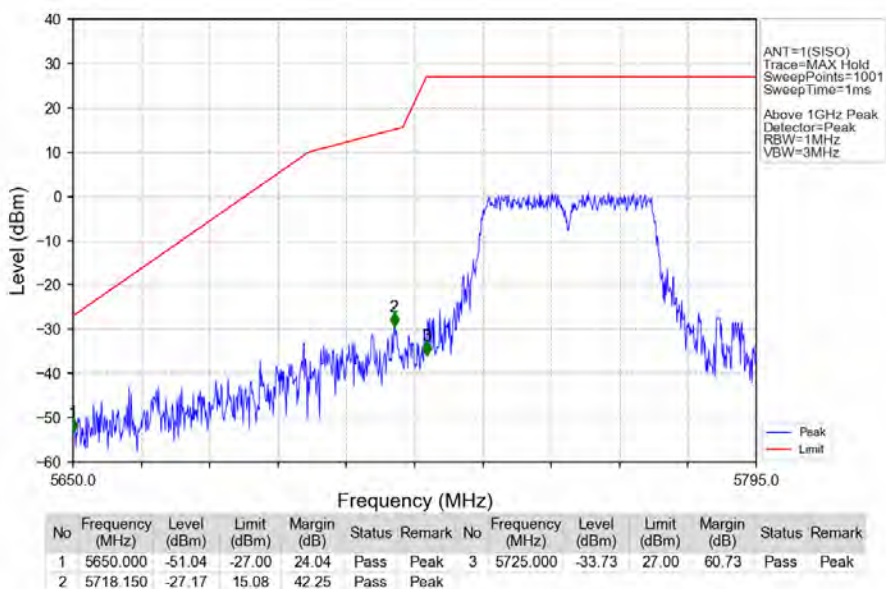
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4998.500	-51.62	-21.20	30.42	Pass	Peak	7	4998.500	-48.20	-41.20	7.00	Pass	AVG
2	5026.000	-52.15	-21.20	30.95	Pass	Peak	8	5026.000	-48.02	-41.20	6.82	Pass	AVG
3	5058.500	-51.85	-21.20	30.65	Pass	Peak	9	5058.500	-47.94	-41.20	6.74	Pass	AVG
4	5090.500	-51.40	-21.20	30.20	Pass	Peak	10	5090.500	-47.92	-41.20	6.72	Pass	AVG
5	5113.500	-51.10	-21.20	29.90	Pass	Peak	11	5113.500	-47.71	-41.20	6.51	Pass	AVG
6	5148.000	-46.63	-21.20	25.43	Pass	Peak	12	5148.000	-46.80	-41.20	5.60	Pass	AVG

802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV

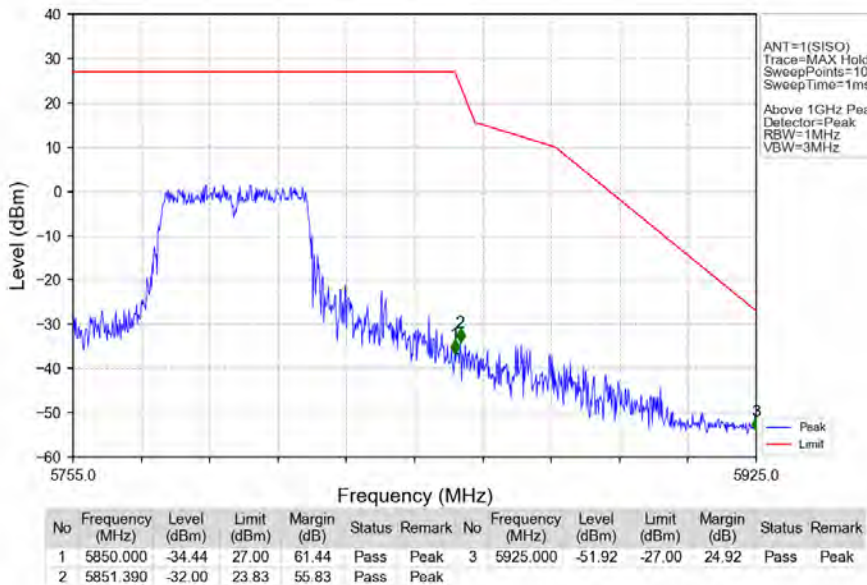


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5360.370	-53.57	-21.20	32.37	Pass	Peak	7	5360.370	-49.03	-41.20	7.83	Pass	AVG
2	5405.460	-51.71	-21.20	30.51	Pass	Peak	8	5405.460	-48.96	-41.20	7.76	Pass	AVG
3	5414.370	-52.20	-21.20	31.00	Pass	Peak	9	5414.370	-48.78	-41.20	7.58	Pass	AVG
4	5425.440	-51.77	-21.20	30.57	Pass	Peak	10	5425.440	-48.69	-41.20	7.49	Pass	AVG
5	5440.290	-51.95	-21.20	30.75	Pass	Peak	11	5440.290	-48.87	-41.20	7.67	Pass	AVG
6	5456.220	-51.69	-21.20	30.49	Pass	Peak	12	5456.220	-48.71	-41.20	7.51	Pass	AVG

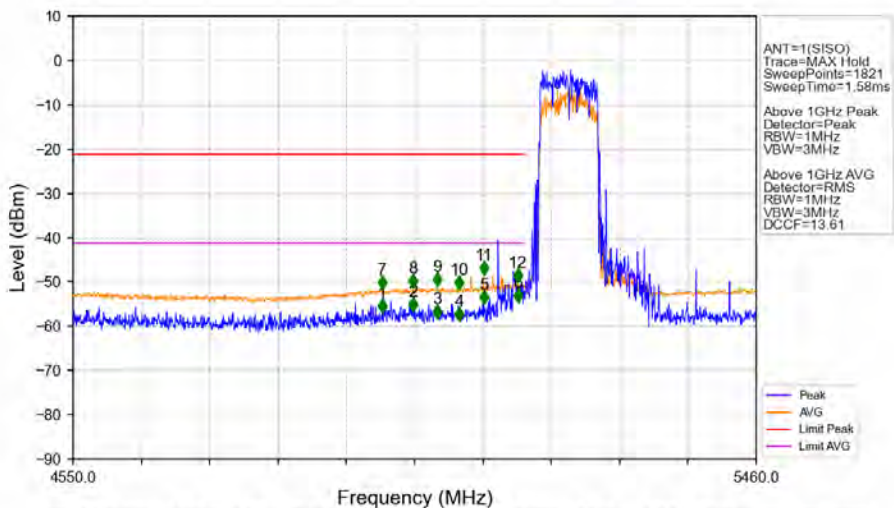
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

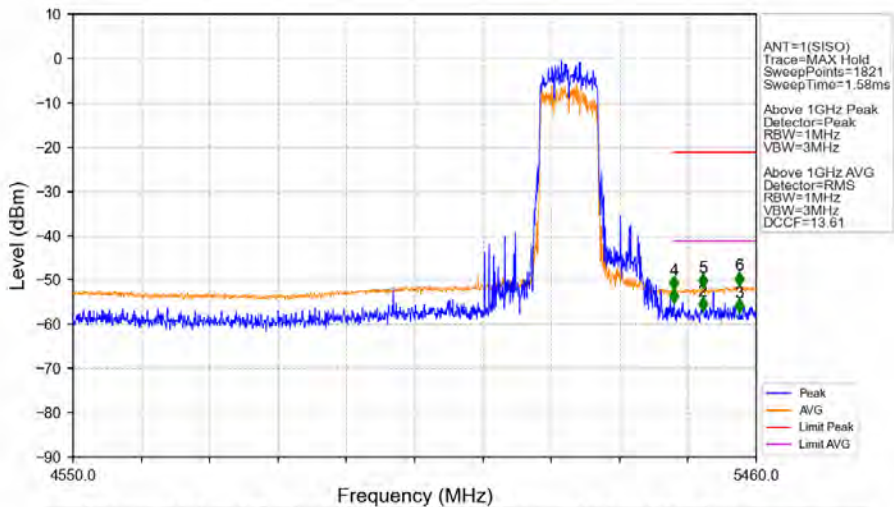


802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



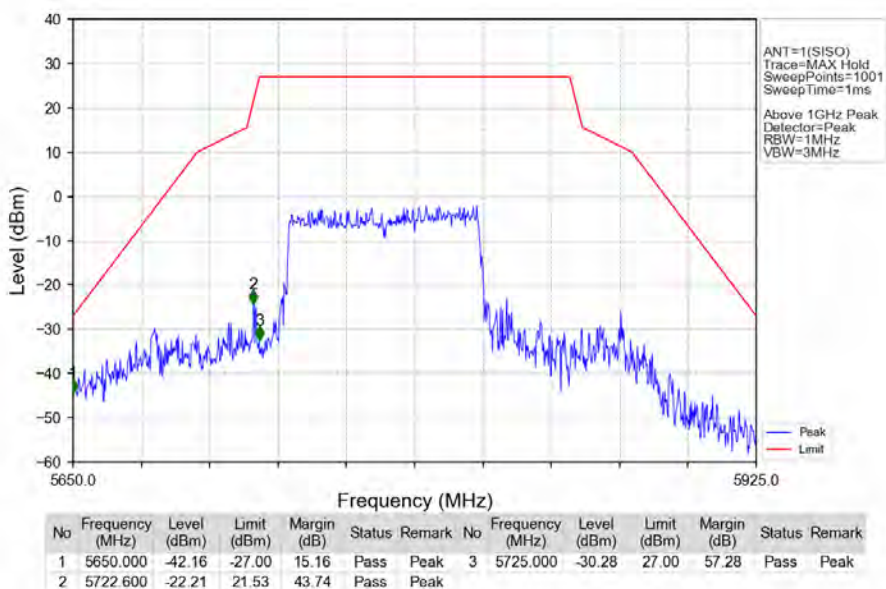
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4961.500	-57.03	-21.20	35.83	Pass	Peak	7	4961.500	-51.76	-41.20	10.56	Pass	AVG
2	5003.000	-56.62	-21.20	35.42	Pass	Peak	8	5003.000	-51.40	-41.20	10.20	Pass	AVG
3	5035.000	-58.34	-21.20	37.14	Pass	Peak	9	5035.000	-50.95	-41.20	9.75	Pass	AVG
4	5064.500	-58.76	-21.20	37.56	Pass	Peak	10	5064.500	-51.63	-41.20	10.43	Pass	AVG
5	5097.000	-54.97	-21.20	33.77	Pass	Peak	11	5097.000	-48.46	-41.20	7.26	Pass	AVG
6	5142.500	-54.52	-21.20	33.32	Pass	Peak	12	5142.500	-50.01	-41.20	8.81	Pass	AVG

802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV

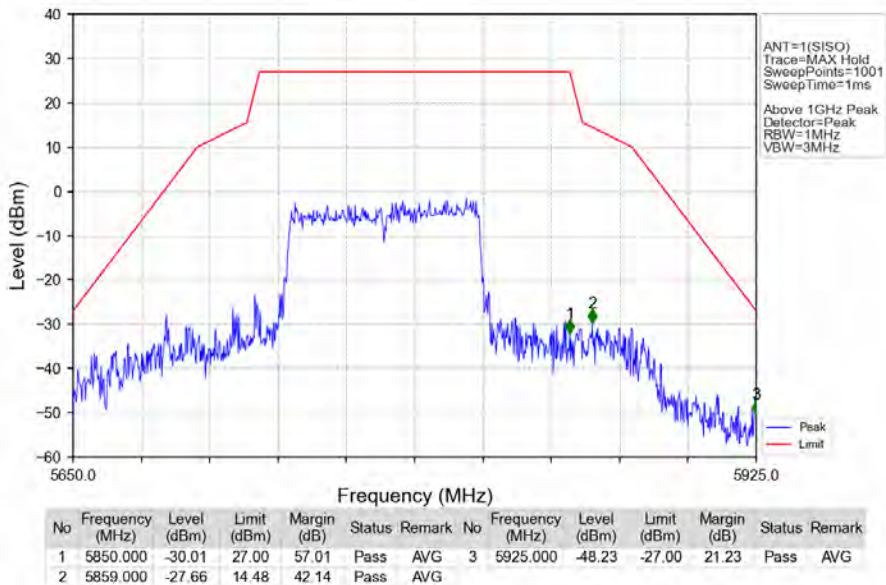


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5350.500	-55.09	-21.20	33.89	Pass	Peak	4	5350.500	-52.23	-41.20	11.03	Pass	AVG
2	5388.500	-56.90	-21.20	35.70	Pass	Peak	5	5388.500	-51.75	-41.20	10.55	Pass	AVG
3	5437.500	-57.31	-21.20	36.11	Pass	Peak	6	5437.500	-51.24	-41.20	10.04	Pass	AVG

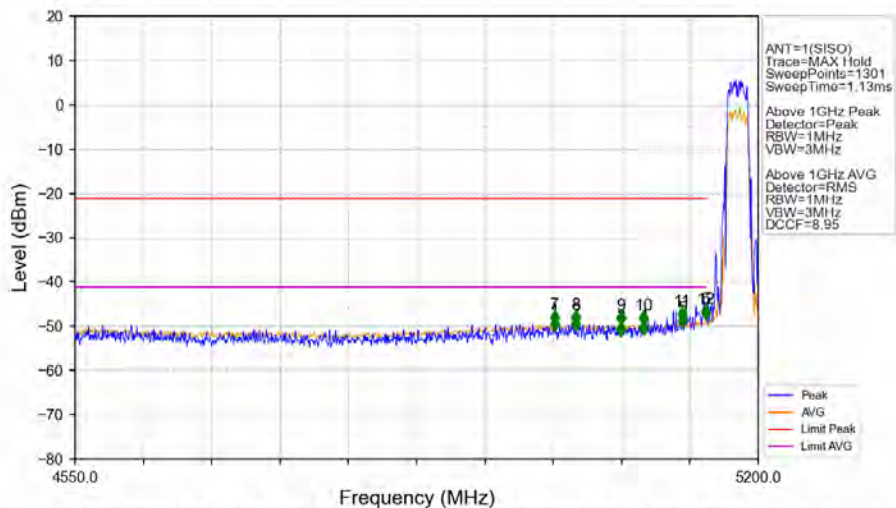
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV

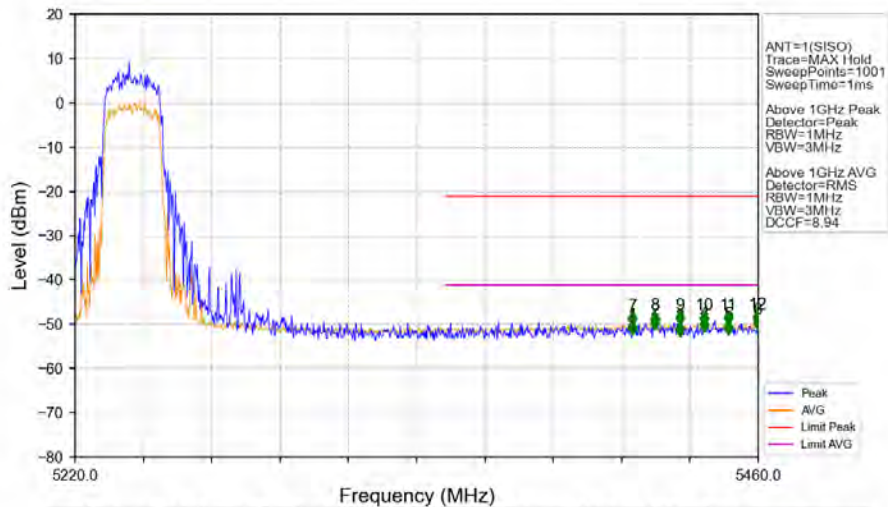


802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



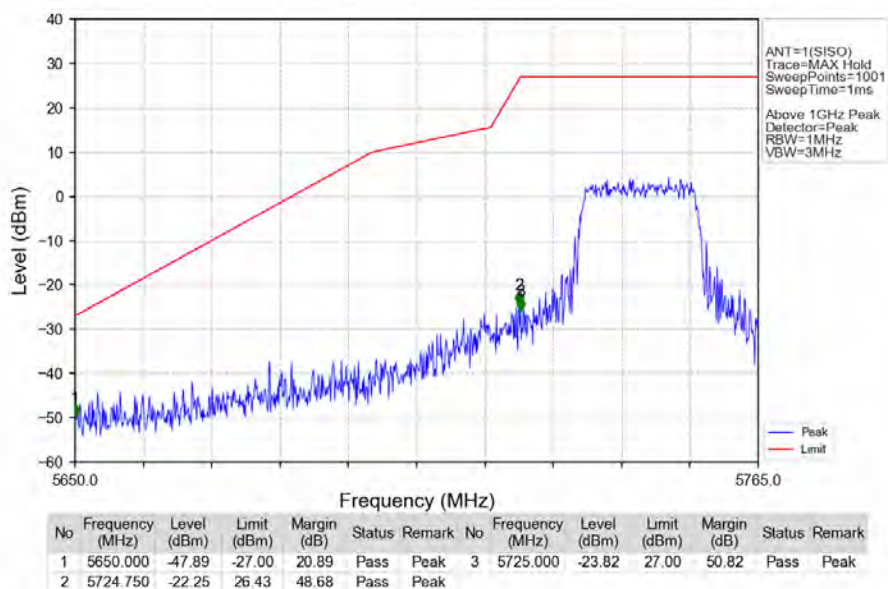
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1	5006.000	-50.92	-21.20	29.72	Pass	Peak	7	5006.000	-49.53	-41.20	8.33	Pass	AVG
2	5026.500	-50.97	-21.20	29.77	Pass	Peak	8	5026.500	-49.59	-41.20	8.39	Pass	AVG
3	5069.500	-52.23	-21.20	31.03	Pass	Peak	9	5069.500	-49.79	-41.20	8.59	Pass	AVG
4	5091.000	-51.88	-21.20	30.68	Pass	Peak	10	5091.000	-49.67	-41.20	8.47	Pass	AVG
5	5127.500	-50.21	-21.20	29.01	Pass	Peak	11	5127.500	-48.75	-41.20	7.55	Pass	AVG
6	5150.000	-48.33	-21.20	27.13	Pass	Peak	12	5150.000	-48.35	-41.20	7.15	Pass	AVG

802.11ax(HEW20)_HCH_5240MHz_SU_ / _Ant1_NTNV

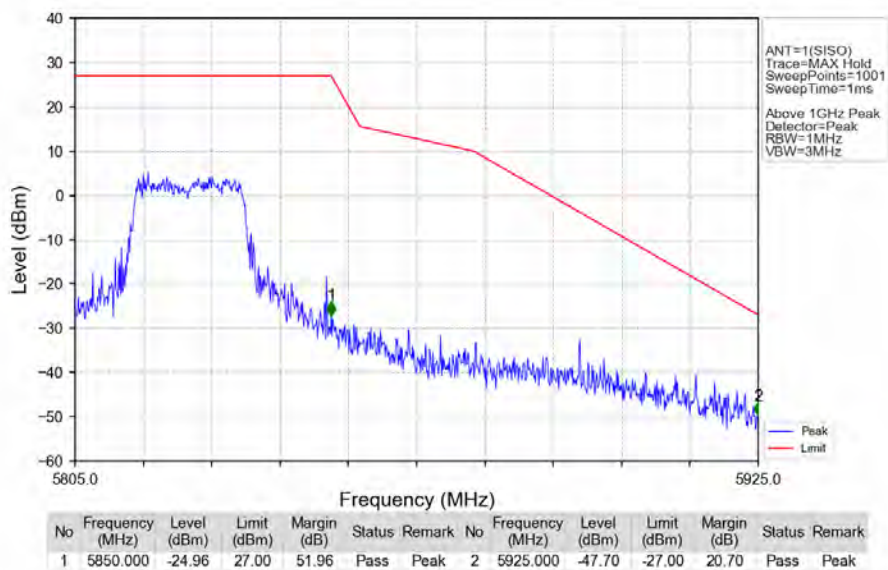


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5415.840	-52.24	-21.20	31.04	Pass	Peak	7	5415.840	-50.25	-41.20	9.05	Pass	AVG
2	5423.760	-51.09	-21.20	29.89	Pass	Peak	8	5423.760	-50.16	-41.20	8.96	Pass	AVG
3	5432.400	-52.61	-21.20	31.41	Pass	Peak	9	5432.400	-50.06	-41.20	8.86	Pass	AVG
4	5441.040	-51.76	-21.20	30.56	Pass	Peak	10	5441.040	-50.16	-41.20	8.96	Pass	AVG
5	5449.440	-52.17	-21.20	30.97	Pass	Peak	11	5449.440	-50.08	-41.20	8.88	Pass	AVG
6	5459.760	-51.18	-21.20	29.98	Pass	Peak	12	5459.760	-49.81	-41.20	8.61	Pass	AVG

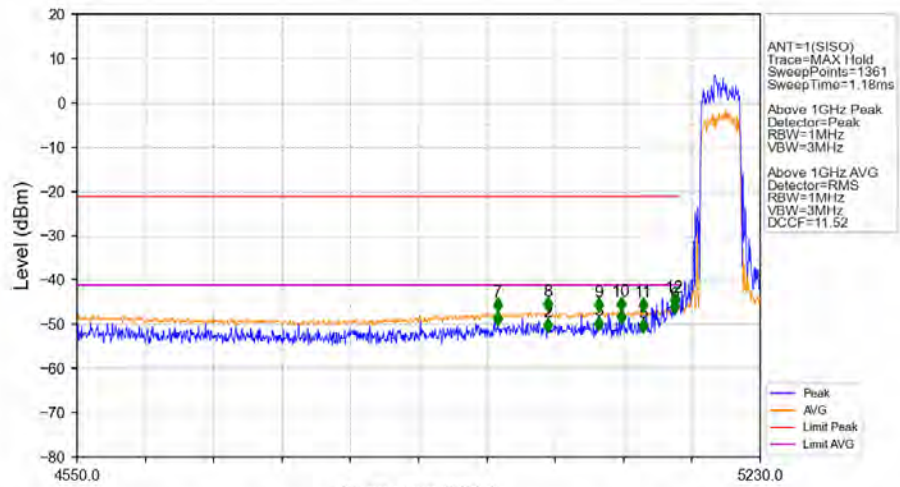
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV

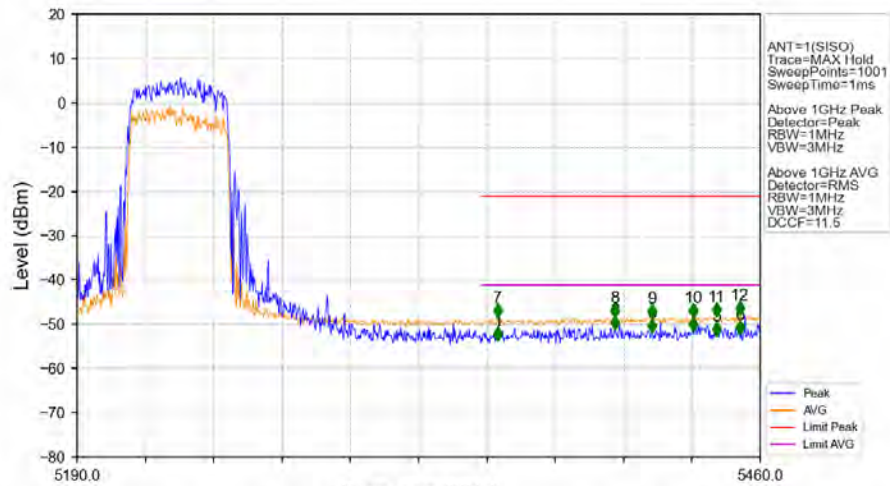


802.11ax(HEW40)_LCH_5190MHz_SU / _Ant1_NTNV



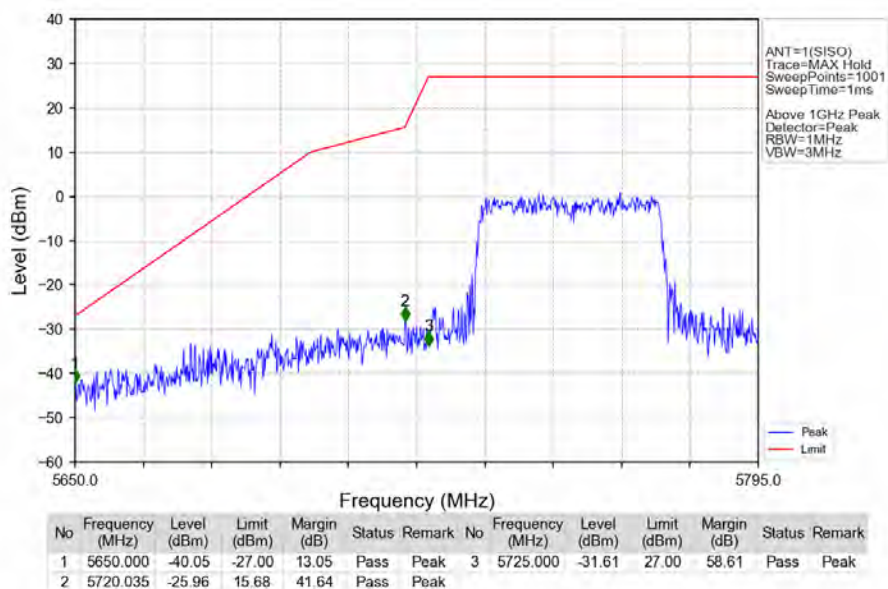
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4969.000	-50.29	-21.20	29.09	Pass	Peak	7	4969.000	-47.18	-41.20	5.98	Pass	AVG
2	5018.500	-51.78	-21.20	30.58	Pass	Peak	8	5018.500	-46.96	-41.20	5.76	Pass	AVG
3	5069.500	-51.30	-21.20	30.10	Pass	Peak	9	5069.500	-47.10	-41.20	5.90	Pass	AVG
4	5091.500	-49.86	-21.20	28.66	Pass	Peak	10	5091.500	-46.94	-41.20	5.74	Pass	AVG
5	5113.500	-51.98	-21.20	30.78	Pass	Peak	11	5113.500	-47.20	-41.20	6.00	Pass	AVG
6	5144.500	-47.44	-21.20	26.24	Pass	Peak	12	5144.500	-46.10	-41.20	4.90	Pass	AVG

802.11ax(HEW40)_HCH_5230MHz_SU / _Ant1_NTNV

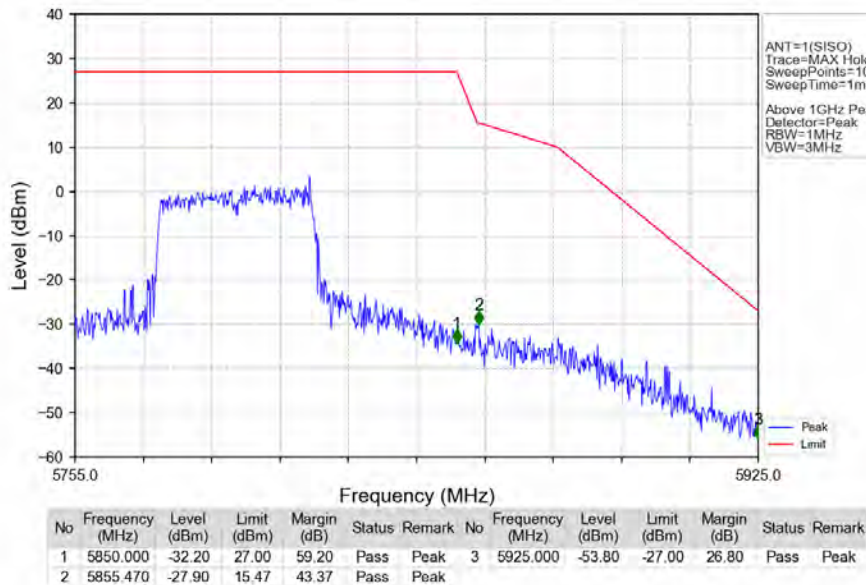


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5356.320	-53.68	-21.20	32.48	Pass	Peak	7	5356.320	-48.50	-41.20	7.30	Pass	AVG
2	5402.490	-51.08	-21.20	29.88	Pass	Peak	8	5402.490	-48.52	-41.20	7.32	Pass	AVG
3	5417.340	-51.93	-21.20	30.73	Pass	Peak	9	5417.340	-48.60	-41.20	7.40	Pass	AVG
4	5433.540	-51.55	-21.20	30.35	Pass	Peak	10	5433.540	-48.39	-41.20	7.19	Pass	AVG
5	5442.720	-52.66	-21.20	31.46	Pass	Peak	11	5442.720	-48.22	-41.20	7.02	Pass	AVG
6	5451.900	-52.21	-21.20	31.01	Pass	Peak	12	5451.900	-47.93	-41.20	6.73	Pass	AVG

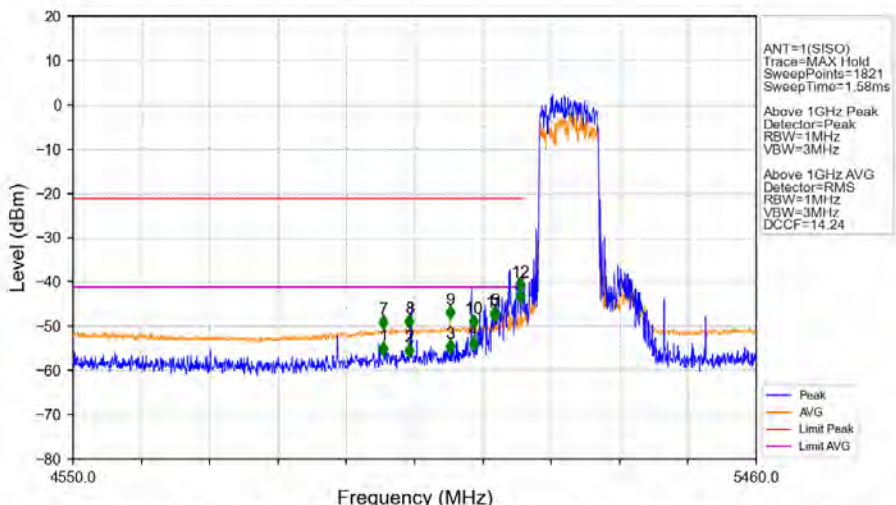
802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_SU / _Ant1_NTNV

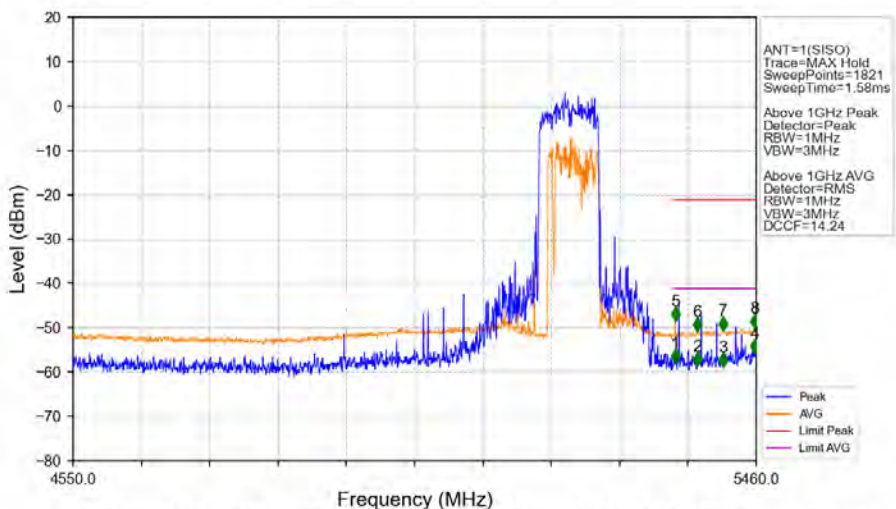


802.11ax(HEW80)_MCH_5210MHz_SU_/_Ant1_NTNV



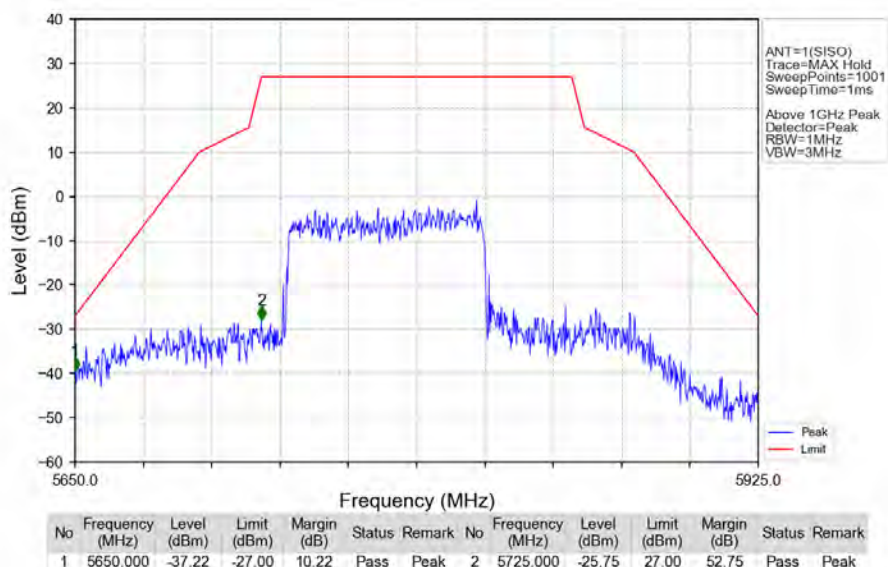
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4963.500	-56.65	-21.20	35.45	Pass	Peak	7	4963.500	-50.63	-41.20	9.43	Pass	AVG
2	4998.000	-56.91	-21.20	35.71	Pass	Peak	8	4998.000	-50.49	-41.20	9.29	Pass	AVG
3	5052.500	-56.12	-21.20	34.92	Pass	Peak	9	5052.500	-48.35	-41.20	7.15	Pass	AVG
4	5083.500	-55.34	-21.20	34.14	Pass	Peak	10	5083.500	-50.45	-41.20	9.25	Pass	AVG
5	5111.500	-48.69	-21.20	27.49	Pass	Peak	11	5111.500	-48.99	-41.20	7.79	Pass	AVG
6	5146.000	-44.80	-21.20	23.60	Pass	Peak	12	5146.000	-42.28	-41.20	1.08	Pass	AVG

802.11ax(HEW80)_MCH_5210MHz_SU_/_Ant1_NTNV

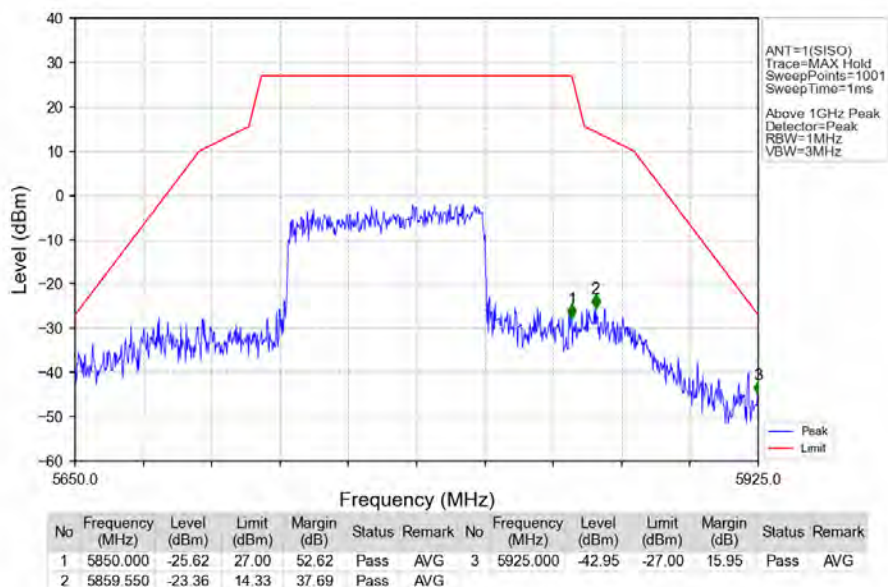


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	5352.000	-57.95	-21.20	36.75	Pass	Peak	5	5352.000	-48.49	-41.20	7.29	Pass	AVG
2	5381.500	-58.68	-21.20	37.48	Pass	Peak	6	5381.500	-50.73	-41.20	9.53	Pass	AVG
3	5415.500	-58.82	-21.20	37.62	Pass	Peak	7	5415.500	-50.62	-41.20	9.42	Pass	AVG
4	5458.000	-55.69	-21.20	34.49	Pass	Peak	8	5458.000	-50.04	-41.20	8.84	Pass	AVG

802.11ax(HEW80)_MCH_5775MHz_SU / _Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU / _Ant1_NTNV



6. Frequency Stability

6.1 Test Result

6.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	102	5179.958	5150 to 5250	Pass
				120	5179.958	5150 to 5250	Pass
				138	5179.958	5150 to 5250	Pass
			-30	120	5179.958	5150 to 5250	Pass
			-20	120	5179.958	5150 to 5250	Pass
			-10	120	5179.957	5150 to 5250	Pass
			0	120	5179.957	5150 to 5250	Pass
			10	120	5179.957	5150 to 5250	Pass
			30	120	5179.957	5150 to 5250	Pass
			40	120	5179.957	5150 to 5250	Pass
			50	120	5179.957	5150 to 5250	Pass
		5200	20	102	5199.957	5150 to 5250	Pass
				120	5199.957	5150 to 5250	Pass
				138	5199.957	5150 to 5250	Pass
			-30	120	5199.957	5150 to 5250	Pass
			-20	120	5199.957	5150 to 5250	Pass
			-10	120	5199.957	5150 to 5250	Pass
			0	120	5199.957	5150 to 5250	Pass
			10	120	5199.957	5150 to 5250	Pass
			30	120	5199.957	5150 to 5250	Pass
			40	120	5199.957	5150 to 5250	Pass
			50	120	5199.957	5150 to 5250	Pass
		5240	20	102	5239.957	5150 to 5250	Pass
				120	5239.957	5150 to 5250	Pass
				138	5239.957	5150 to 5250	Pass
			-30	120	5239.957	5150 to 5250	Pass
			-20	120	5239.956	5150 to 5250	Pass
			-10	120	5239.956	5150 to 5250	Pass
			0	120	5239.956	5150 to 5250	Pass
			10	120	5239.956	5150 to 5250	Pass
			30	120	5239.956	5150 to 5250	Pass
			40	120	5239.956	5150 to 5250	Pass
			50	120	5239.956	5150 to 5250	Pass
		5745	20	102	5744.953	5725 to 5850	Pass
				120	5744.952	5725 to 5850	Pass
				138	5744.952	5725 to 5850	Pass
			-30	120	5744.952	5725 to 5850	Pass
			-20	120	5744.952	5725 to 5850	Pass
			-10	120	5744.952	5725 to 5850	Pass
			0	120	5744.952	5725 to 5850	Pass
			10	120	5744.952	5725 to 5850	Pass
			30	120	5744.952	5725 to 5850	Pass
			40	120	5744.952	5725 to 5850	Pass
			50	120	5744.952	5725 to 5850	Pass

		5785	20	102	5784.952	5725 to 5850	Pass
				120	5784.952	5725 to 5850	Pass
				138	5784.952	5725 to 5850	Pass
			-30	120	5784.951	5725 to 5850	Pass
			-20	120	5784.952	5725 to 5850	Pass
			-10	120	5784.951	5725 to 5850	Pass
			0	120	5784.951	5725 to 5850	Pass
			10	120	5784.951	5725 to 5850	Pass
			30	120	5784.951	5725 to 5850	Pass
			40	120	5784.951	5725 to 5850	Pass
			50	120	5784.951	5725 to 5850	Pass
		5825	20	102	5824.951	5725 to 5850	Pass
				120	5824.951	5725 to 5850	Pass
				138	5824.951	5725 to 5850	Pass
			-30	120	5824.951	5725 to 5850	Pass
			-20	120	5824.951	5725 to 5850	Pass
			-10	120	5824.951	5725 to 5850	Pass
			0	120	5824.951	5725 to 5850	Pass
			10	120	5824.951	5725 to 5850	Pass
			30	120	5824.951	5725 to 5850	Pass
			40	120	5824.951	5725 to 5850	Pass
			50	120	5824.951	5725 to 5850	Pass
		5190	20	102	5189.956	5150 to 5250	Pass
				120	5189.956	5150 to 5250	Pass
				138	5189.956	5150 to 5250	Pass
			-30	120	5189.956	5150 to 5250	Pass
			-20	120	5189.956	5150 to 5250	Pass
			-10	120	5189.956	5150 to 5250	Pass
			0	120	5189.956	5150 to 5250	Pass
			10	120	5189.956	5150 to 5250	Pass
			30	120	5189.956	5150 to 5250	Pass
			40	120	5189.956	5150 to 5250	Pass
			50	120	5189.956	5150 to 5250	Pass
		5230	20	102	5229.956	5150 to 5250	Pass
				120	5229.956	5150 to 5250	Pass
				138	5229.956	5150 to 5250	Pass
			-30	120	5229.956	5150 to 5250	Pass
			-20	120	5229.956	5150 to 5250	Pass
			-10	120	5229.956	5150 to 5250	Pass
			0	120	5229.956	5150 to 5250	Pass
			10	120	5229.956	5150 to 5250	Pass
			30	120	5229.956	5150 to 5250	Pass
			40	120	5229.956	5150 to 5250	Pass
			50	120	5229.956	5150 to 5250	Pass
		5755	20	102	5754.952	5725 to 5850	Pass
				120	5754.951	5725 to 5850	Pass
				138	5754.951	5725 to 5850	Pass
			-30	120	5754.951	5725 to 5850	Pass
			-20	120	5754.951	5725 to 5850	Pass
			-10	120	5754.951	5725 to 5850	Pass
			0	120	5754.951	5725 to 5850	Pass
			10	120	5754.951	5725 to 5850	Pass

			30	120	5754.951	5725 to 5850	Pass
			40	120	5754.957	5725 to 5850	Pass
			50	120	5754.957	5725 to 5850	Pass
		5795	20	102	5794.952	5725 to 5850	Pass
				120	5794.952	5725 to 5850	Pass
				138	5794.951	5725 to 5850	Pass
			-30	120	5794.951	5725 to 5850	Pass
			-20	120	5794.951	5725 to 5850	Pass
			-10	120	5794.951	5725 to 5850	Pass
			0	120	5794.951	5725 to 5850	Pass
			10	120	5794.951	5725 to 5850	Pass
			30	120	5794.951	5725 to 5850	Pass
			40	120	5794.951	5725 to 5850	Pass
			50	120	5794.957	5725 to 5850	Pass
		5210	20	102	5209.962	5150 to 5250	Pass
				120	5209.962	5150 to 5250	Pass
				138	5209.962	5150 to 5250	Pass
			-30	120	5209.962	5150 to 5250	Pass
			-20	120	5209.962	5150 to 5250	Pass
			-10	120	5209.961	5150 to 5250	Pass
			0	120	5209.961	5150 to 5250	Pass
			10	120	5209.962	5150 to 5250	Pass
			30	120	5209.962	5150 to 5250	Pass
			40	120	5209.962	5150 to 5250	Pass
			50	120	5209.961	5150 to 5250	Pass
		5775	20	102	5774.958	5725 to 5850	Pass
				120	5774.958	5725 to 5850	Pass
				138	5774.957	5725 to 5850	Pass
			-30	120	5774.958	5725 to 5850	Pass
			-20	120	5774.957	5725 to 5850	Pass
			-10	120	5774.957	5725 to 5850	Pass
			0	120	5774.957	5725 to 5850	Pass
			10	120	5774.957	5725 to 5850	Pass
			30	120	5774.957	5725 to 5850	Pass
			40	120	5774.957	5725 to 5850	Pass
			50	120	5774.957	5725 to 5850	Pass

----- End of Report -----