

ANNEX G TEST DATA

For

Project No.:	8337EU011920W
Client:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Description:	Android Tablet
Model No.:	KDS2189T
FCC ID:	2ABC5-E0121
Technology:	WiFi 5G
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-12-30

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

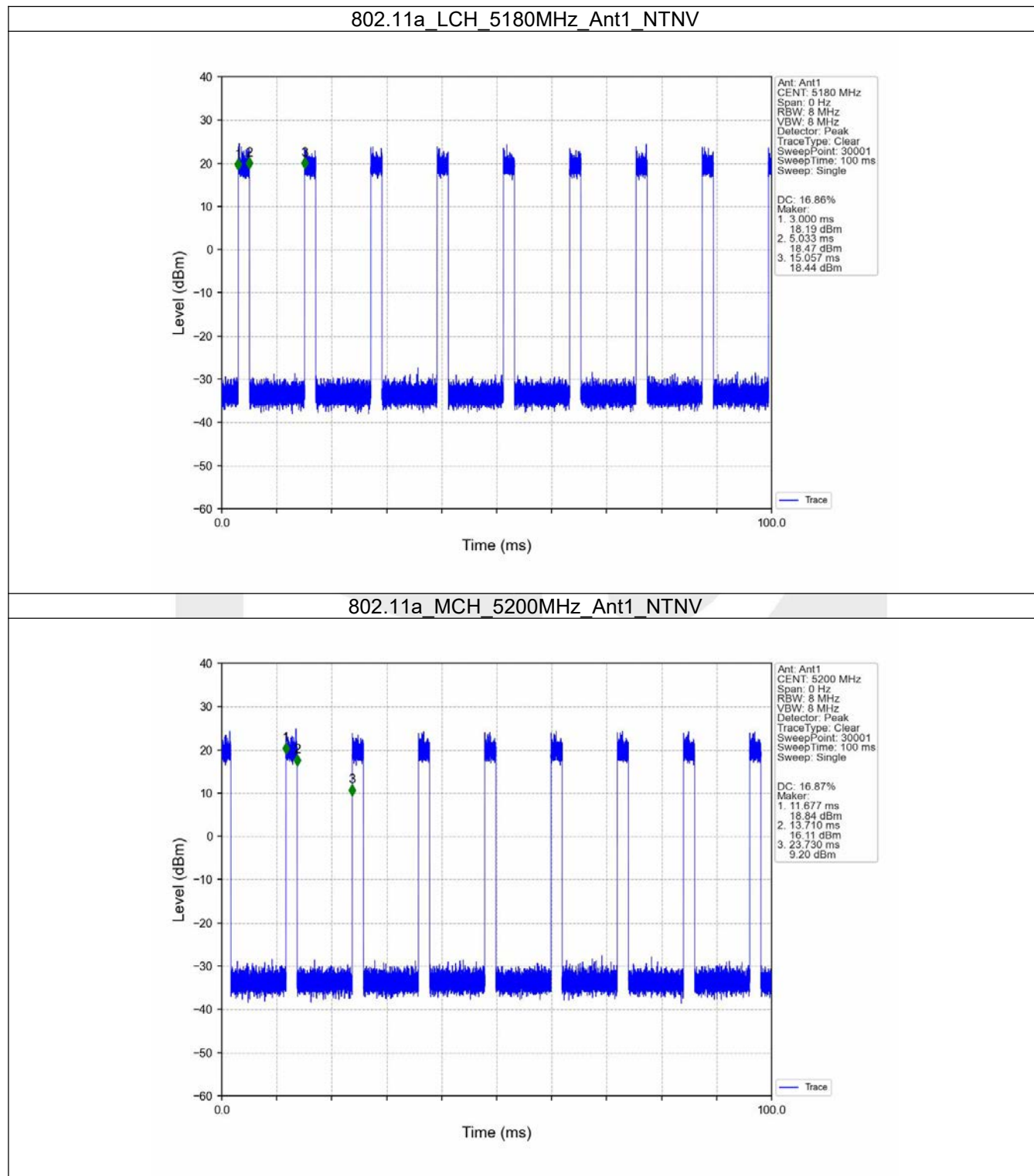
1.1 Test Result

1.1.1 Ant1

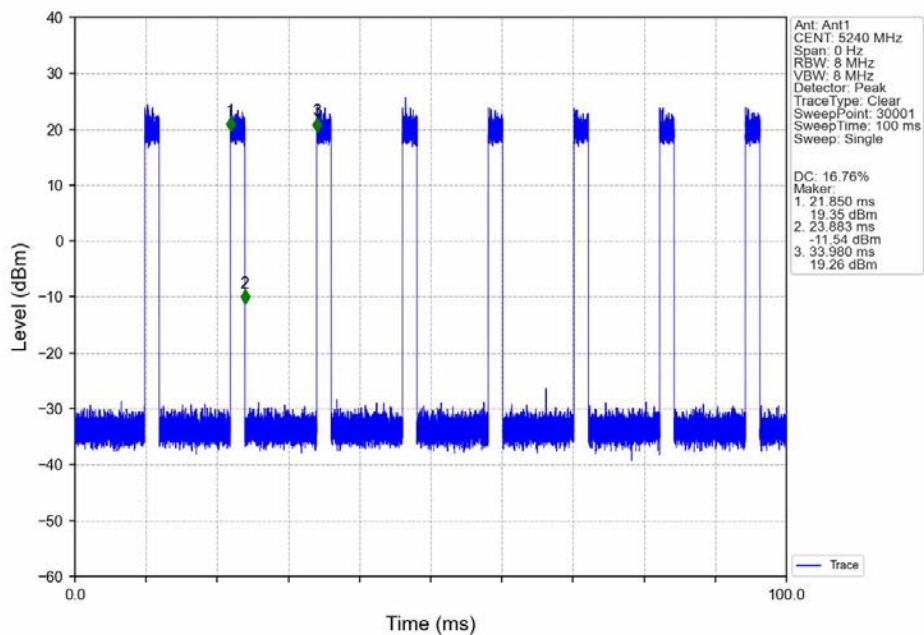
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.033	12.057	16.86	7.73	0.03
		5200	/	/	2.033	12.053	16.87	7.73	0.03
		5240	/	/	2.033	12.130	16.76	7.76	0.14
		5745	/	/	2.033	12.053	16.87	7.73	0.03
		5785	/	/	2.033	12.053	16.87	7.73	0.00
		5825	/	/	2.033	12.053	16.87	7.73	0.00
802.11n (HT20)	SISO	5180	/	/	1.893	11.910	15.89	7.99	0.03
		5200	/	/	1.893	12.390	15.28	8.16	0.64
		5240	/	/	1.893	11.910	15.89	7.99	0.03
		5745	/	/	1.893	11.916	15.89	7.99	0.04
		5785	/	/	1.893	12.103	15.64	8.06	0.28
		5825	/	/	1.893	11.913	15.89	7.99	0.03
802.11n (HT40)	SISO	5190	/	/	0.933	10.953	8.52	10.70	0.03
		5230	/	/	0.934	10.950	8.53	10.69	0.03
		5755	/	/	0.933	10.956	8.52	10.70	0.03
		5795	/	/	0.933	10.953	8.52	10.70	0.03
802.11ac (VHT20)	SISO	5180	/	/	1.900	11.920	15.94	7.98	0.03
		5200	/	/	1.900	11.917	15.94	7.97	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	/	/	1.903	11.990	15.87	7.99	0.09
		5825	/	/	1.900	11.920	15.94	7.98	0.03
802.11ac (VHT40)	SISO	5190	/	/	0.937	10.960	8.55	10.68	0.03
		5230	/	/	0.936	10.960	8.54	10.69	0.00
		5755	/	/	0.937	10.953	8.55	10.68	0.03
		5795	/	/	0.937	10.957	8.55	10.68	0.03
802.11ac (VHT80)	SISO	5210	/	/	0.457	10.477	4.36	13.60	0.03
		5775	/	/	0.456	10.510	4.34	13.63	0.05
802.11ax (HEW20)	SISO	5180	SU	/	1.460	11.483	12.71	8.96	0.03
		5200	SU	/	1.460	11.484	12.71	8.96	0.03
		5240	SU	/	1.460	11.484	12.71	8.96	0.03
		5745	SU	/	1.460	11.483	12.71	8.96	0.03
		5785	SU	/	1.463	11.486	12.74	8.95	0.03
		5825	SU	/	1.464	11.947	12.25	9.12	0.50
802.11ax (HEW40)	SISO	5190	SU	/	0.760	10.783	7.05	11.52	0.03
		5230	SU	/	0.760	10.780	7.05	11.52	0.03
		5755	SU	/	0.764	11.810	6.47	11.89	0.62
		5795	SU	/	0.763	10.787	7.07	11.50	0.01
802.11ax (HEW80)	SISO	5210	SU	/	0.393	10.413	3.77	14.23	0.03
		5775	SU	/	0.393	10.413	3.77	14.23	0.03

1.2 Test Graph

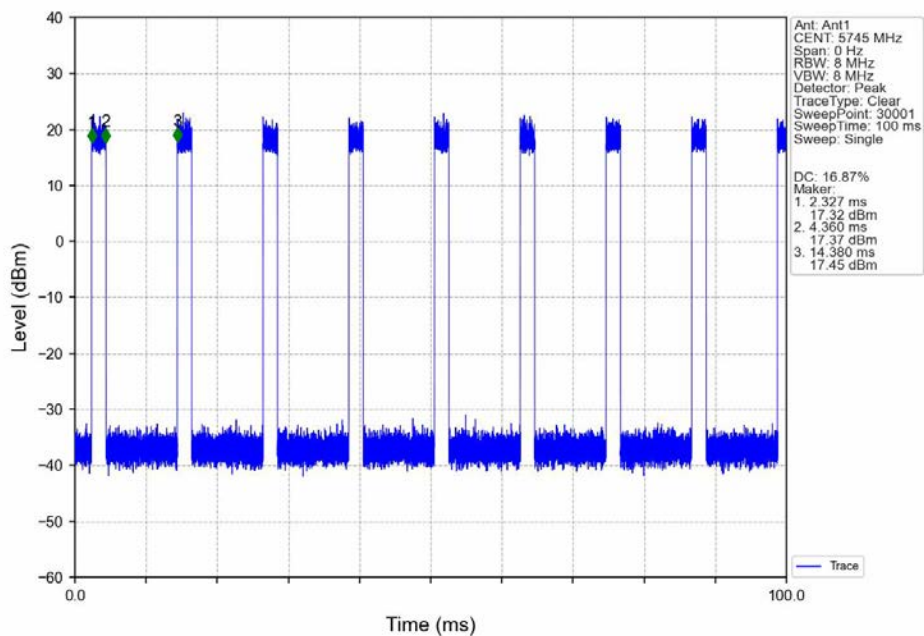
1.2.1 Ant1



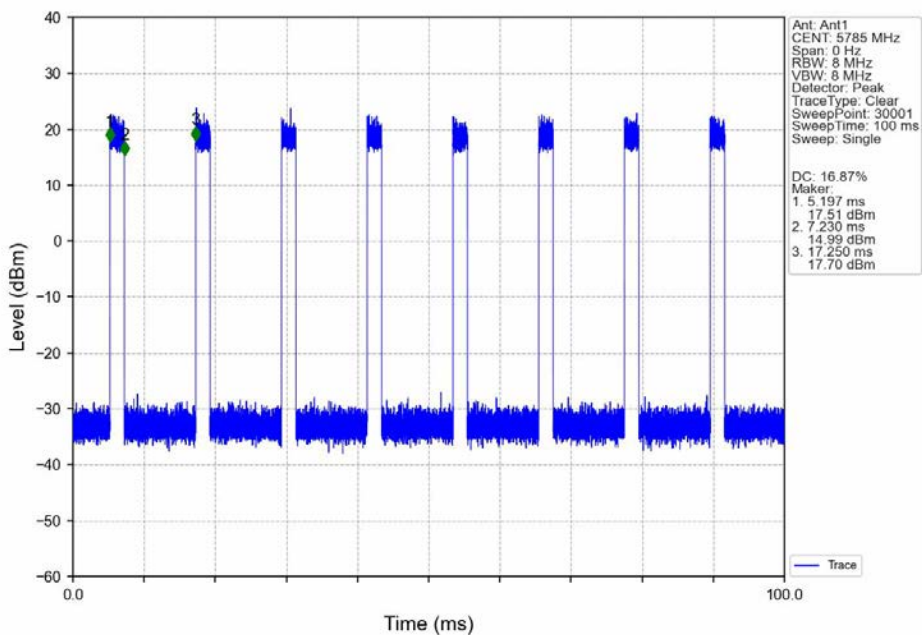
802.11a_HCH_5240MHz_Ant1_NTNV



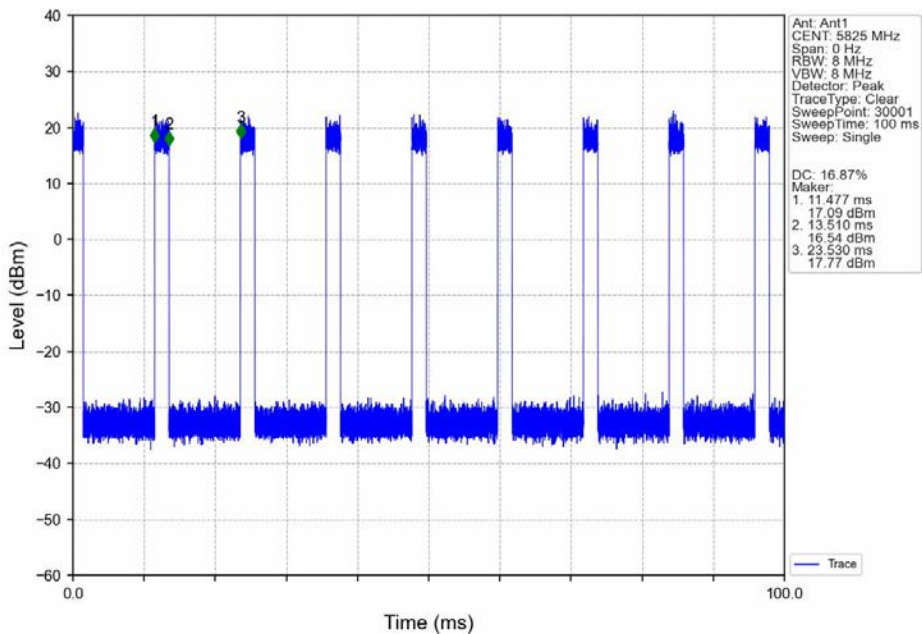
802.11a_LCH_5745MHz_Ant1_NTNV



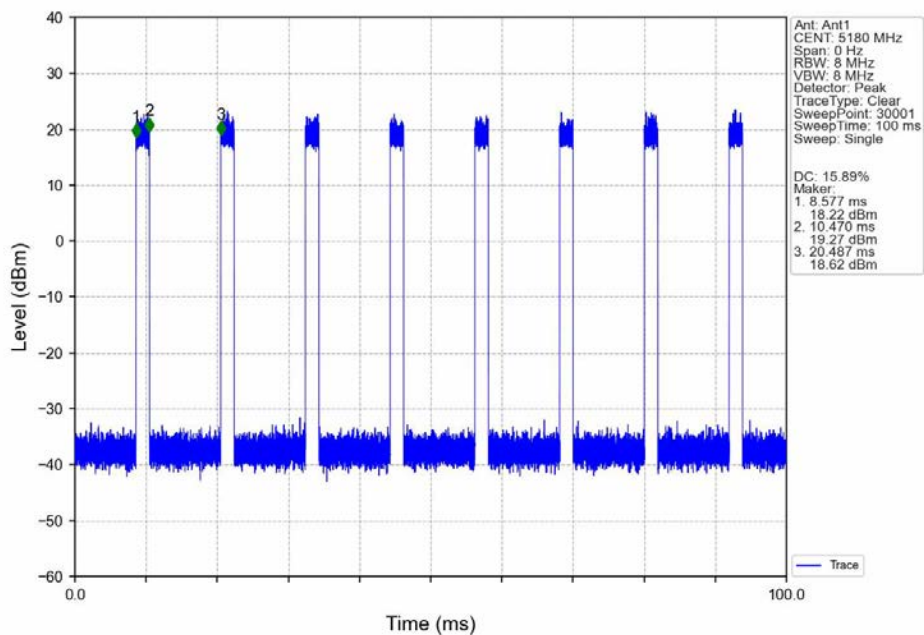
802.11a_MCH_5785MHz_Ant1_NTNV



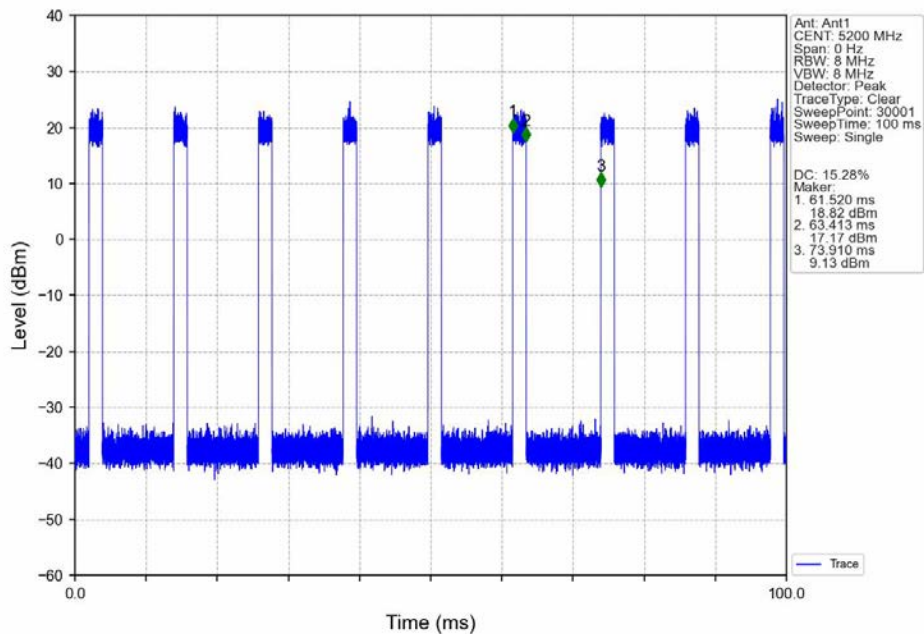
802.11a_HCH_5825MHz_Ant1_NTNV



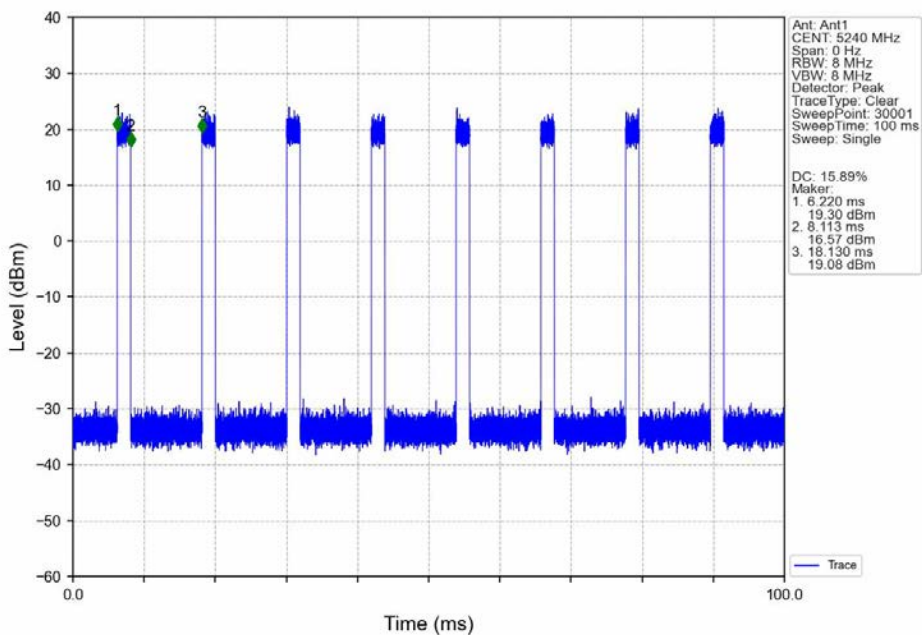
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



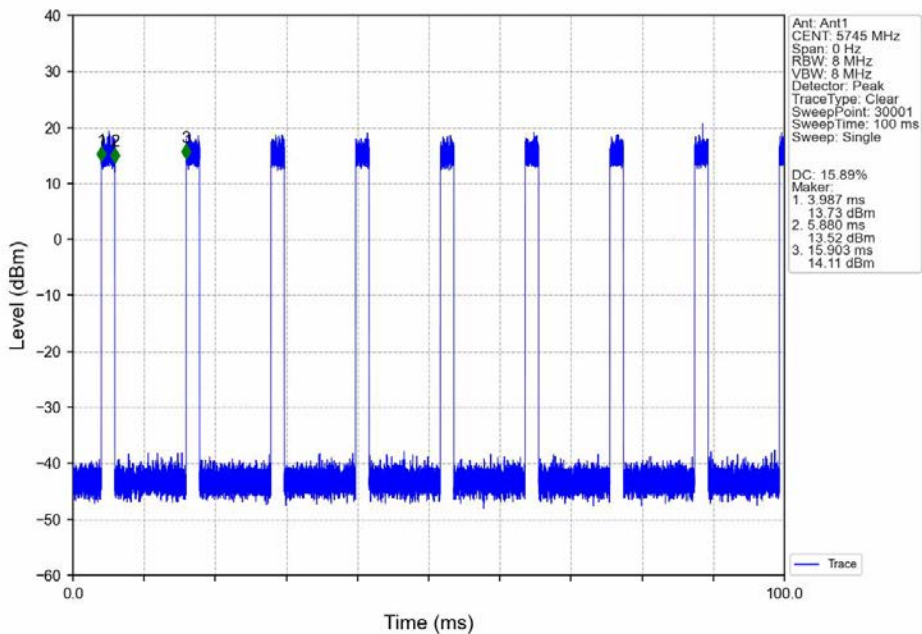
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



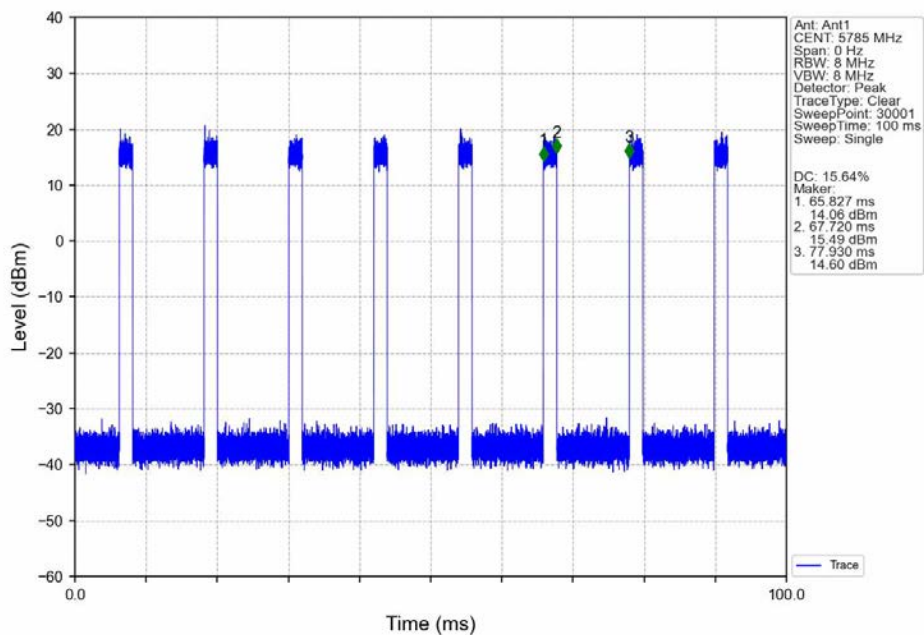
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



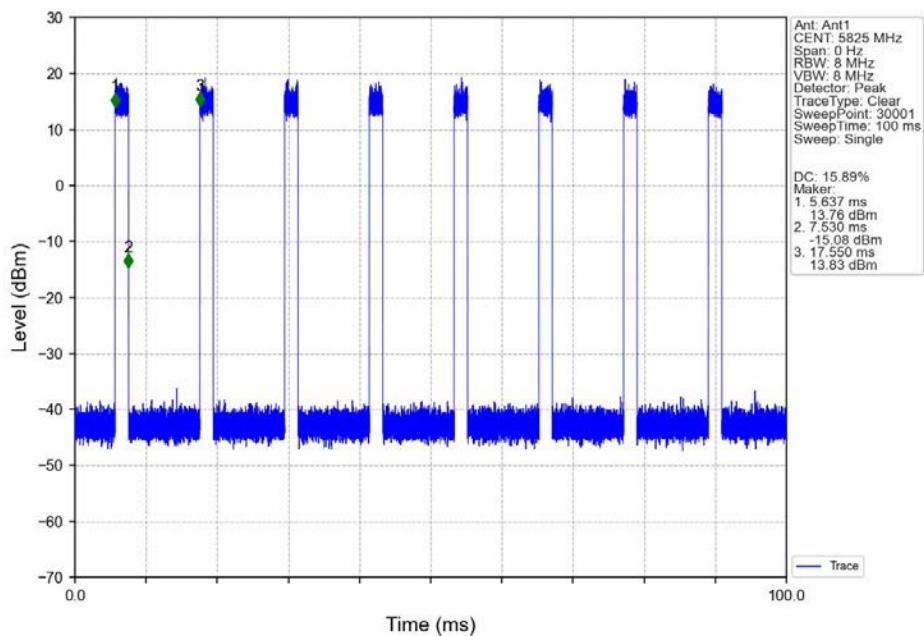
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



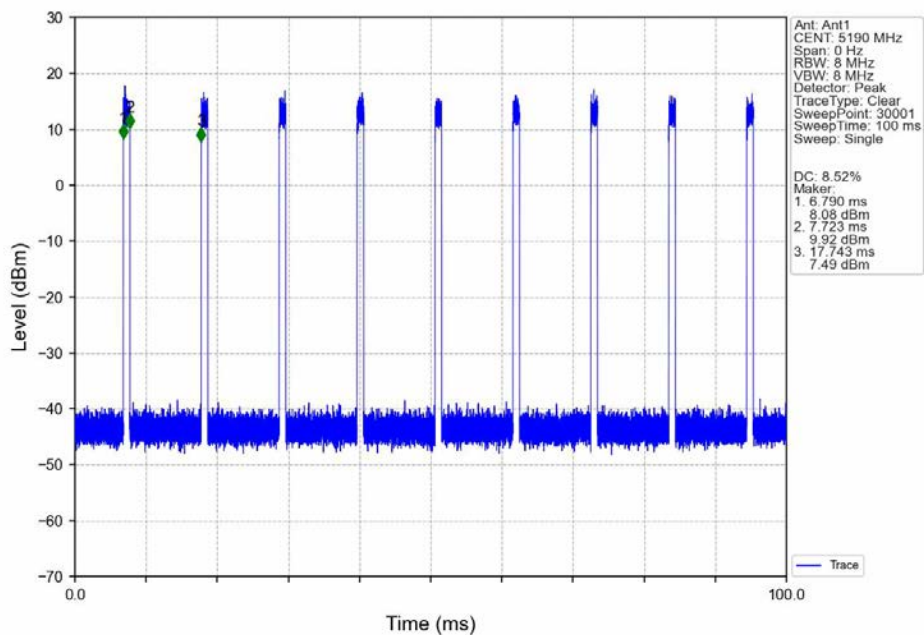
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



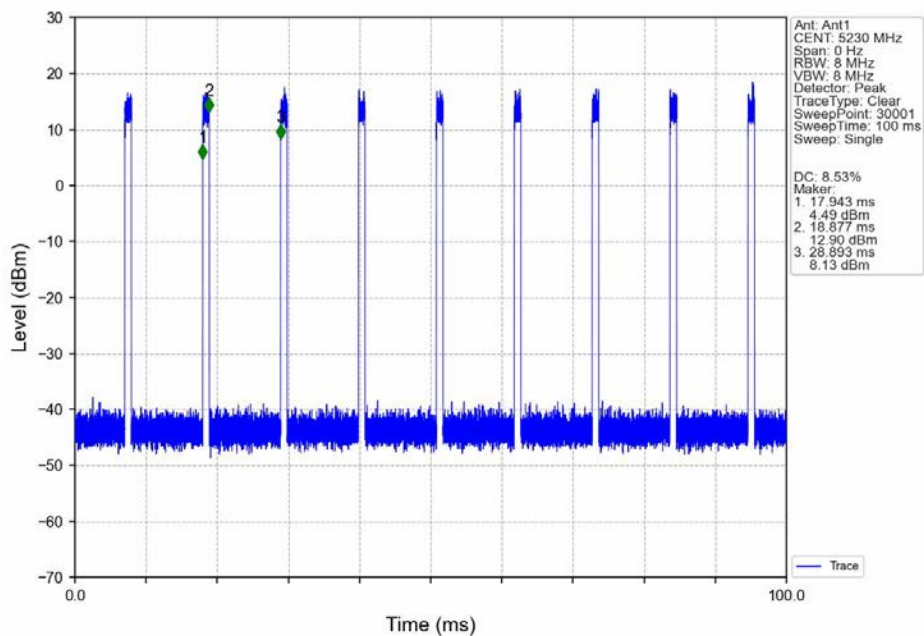
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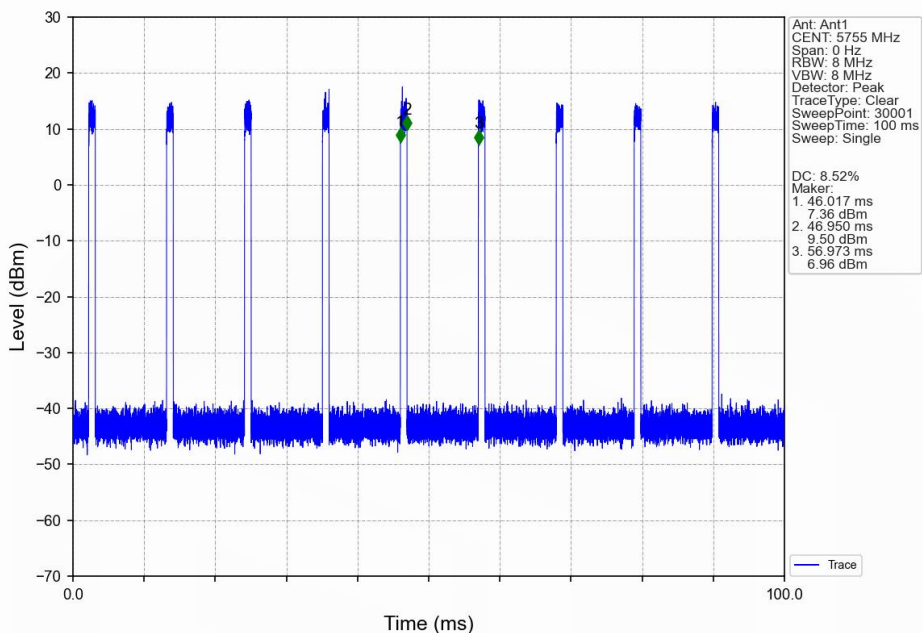
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



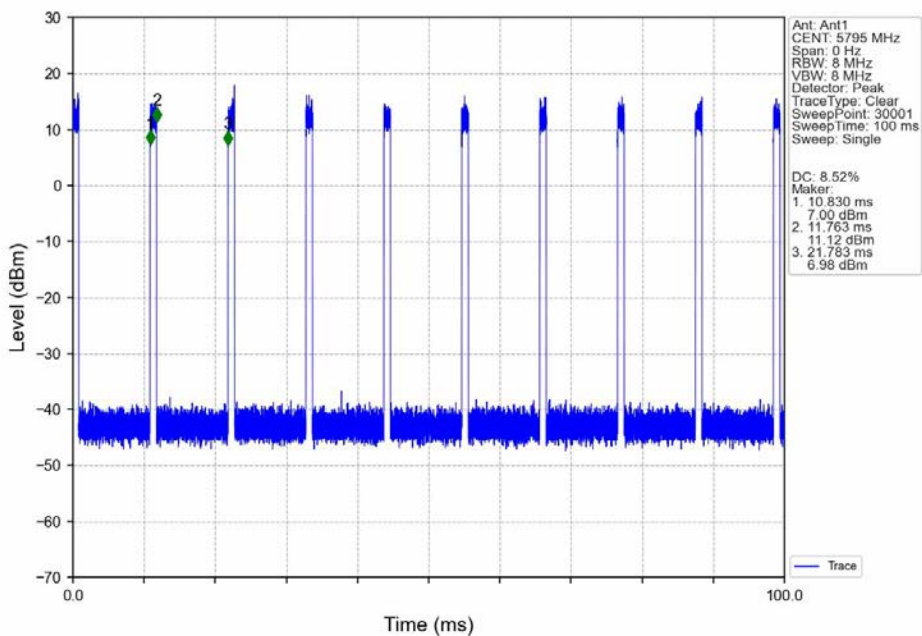
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



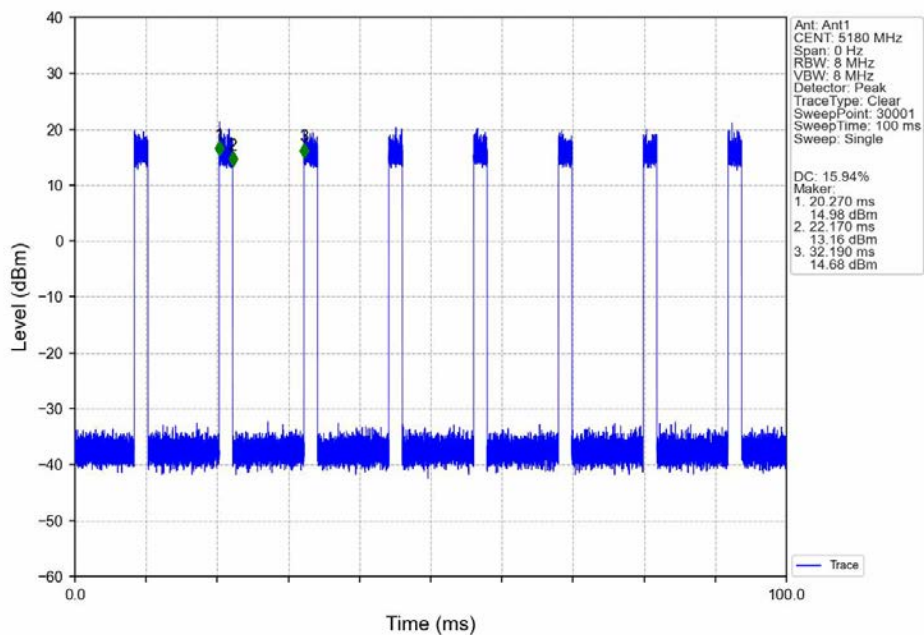
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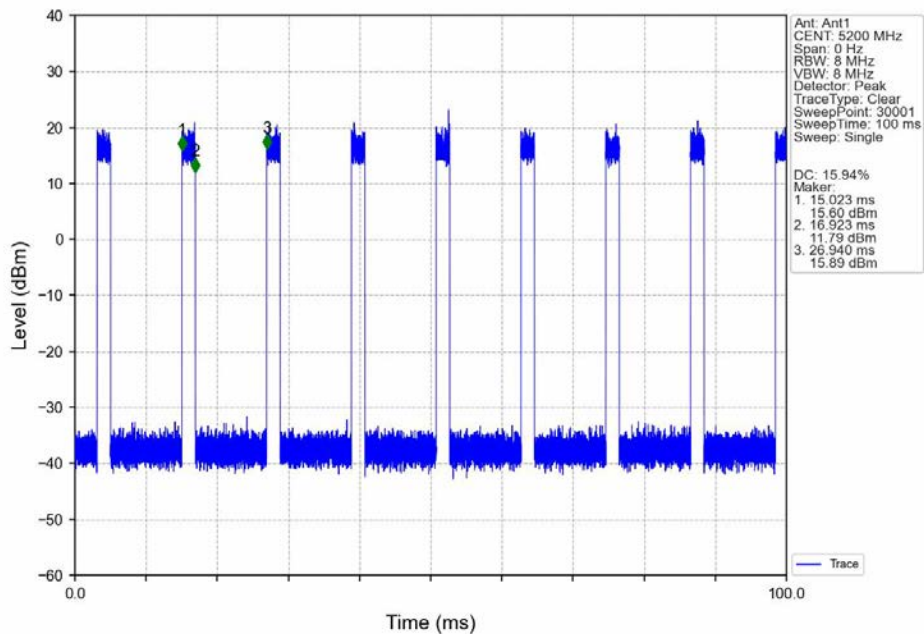
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



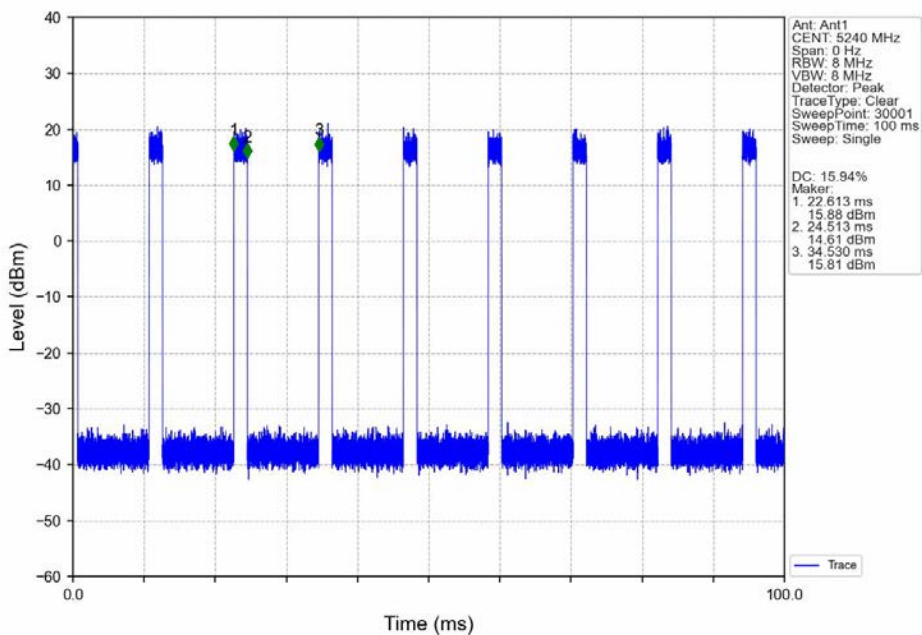
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



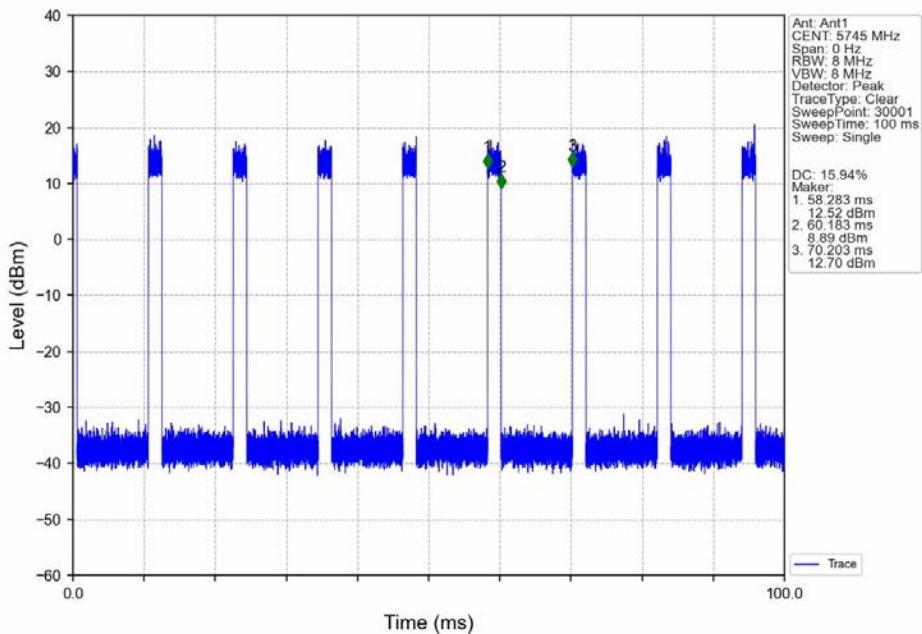
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



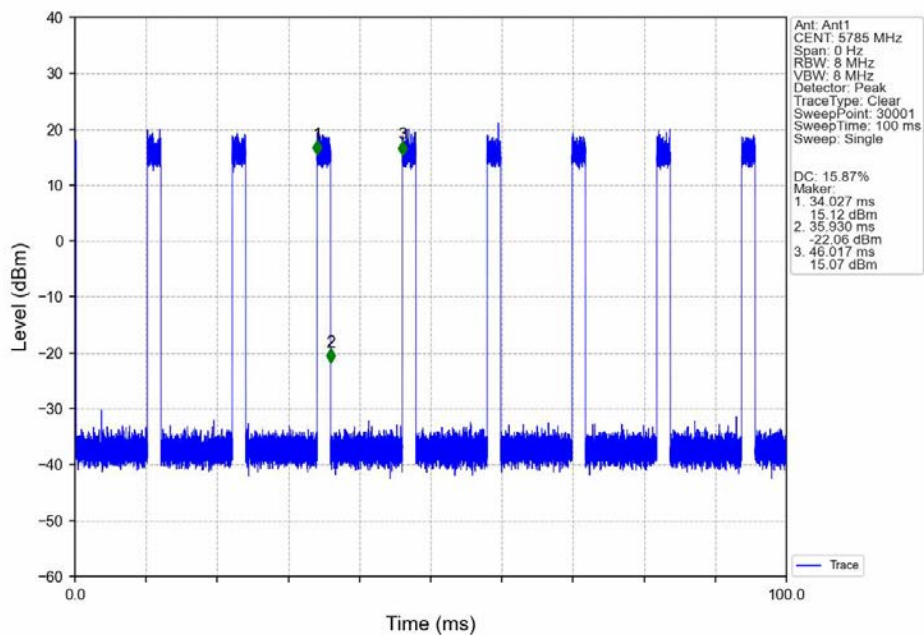
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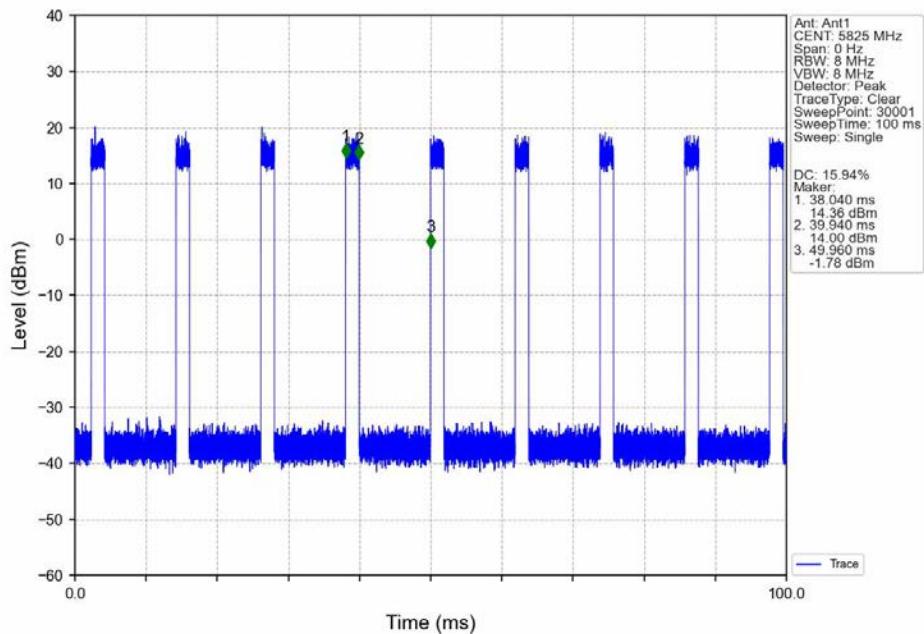
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



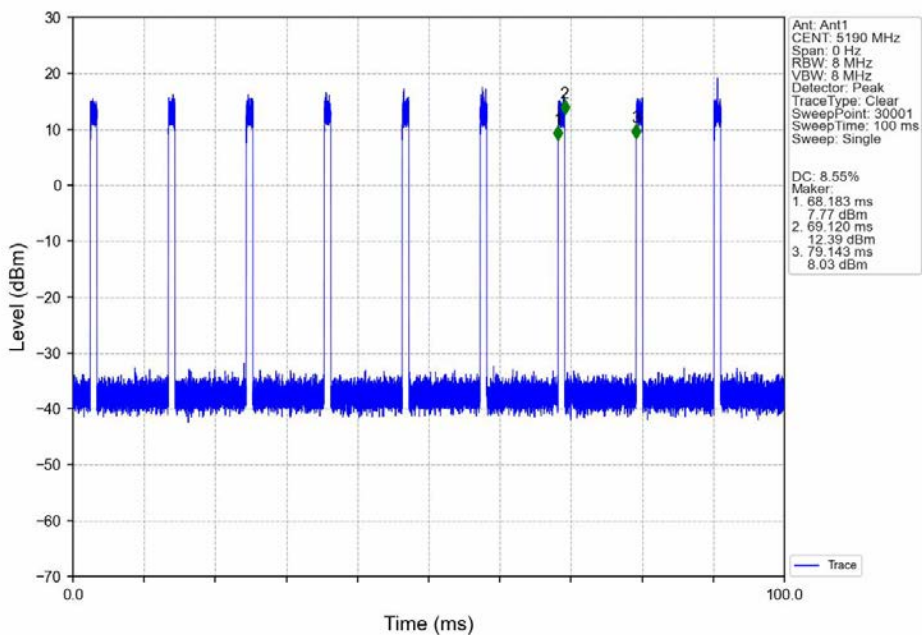
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



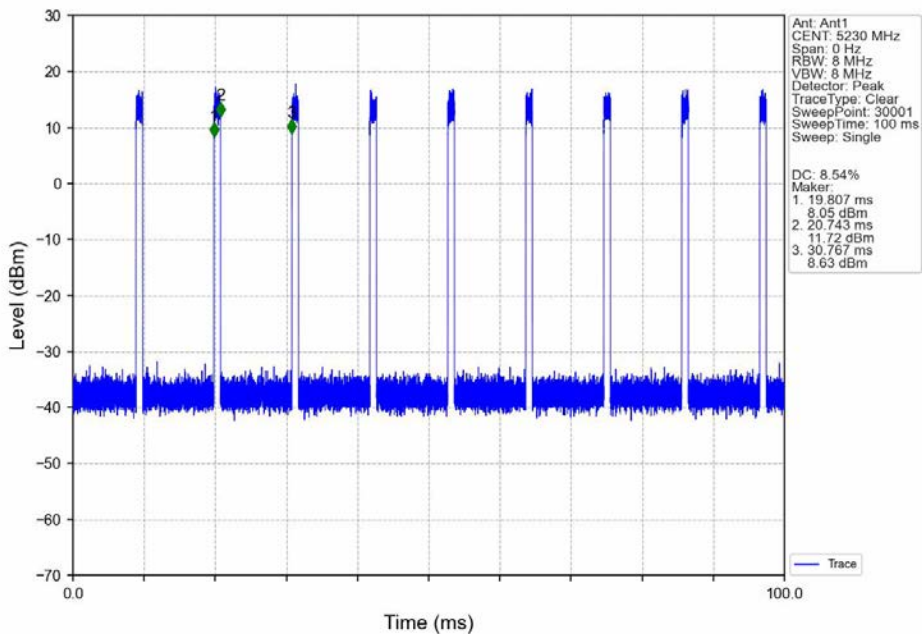
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



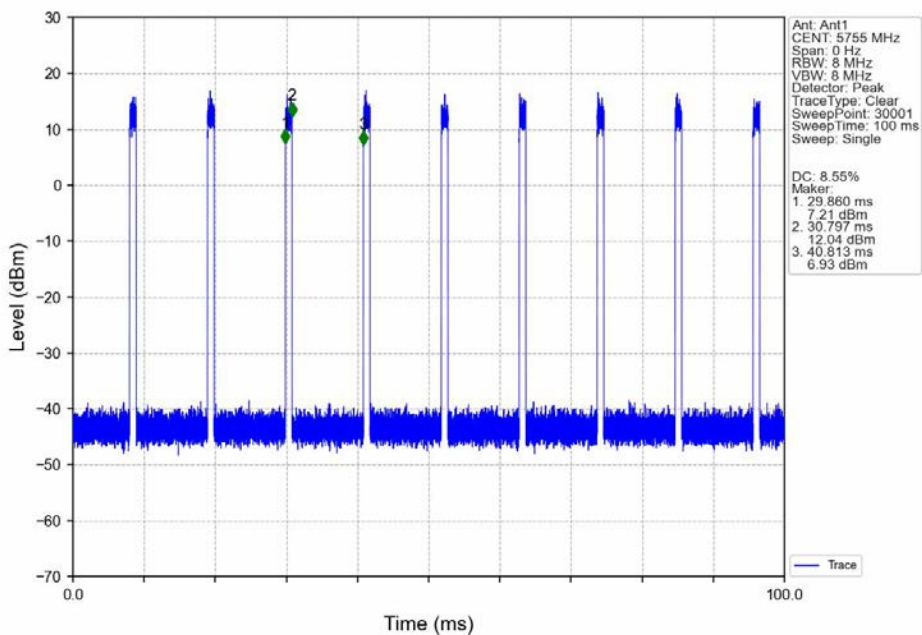
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



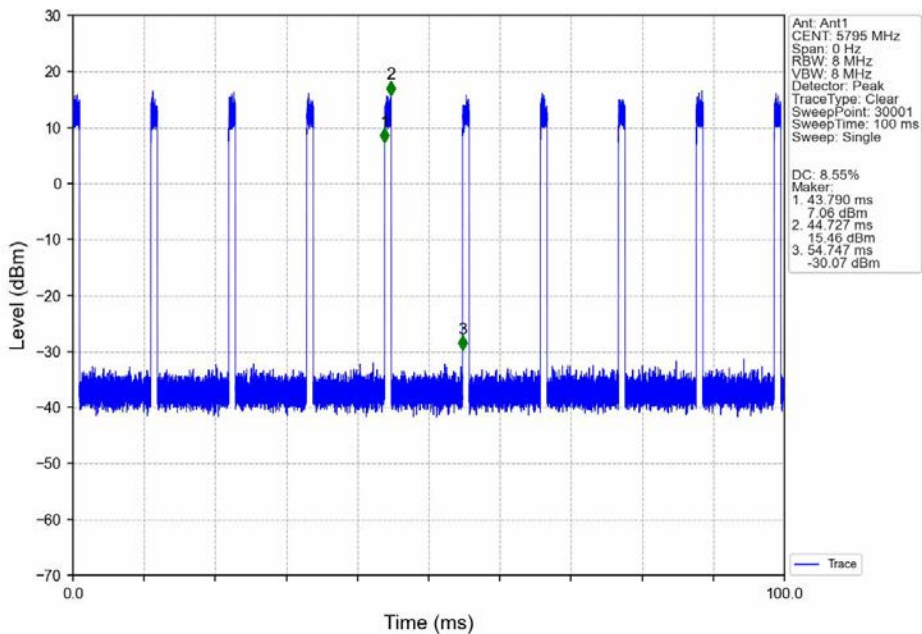
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



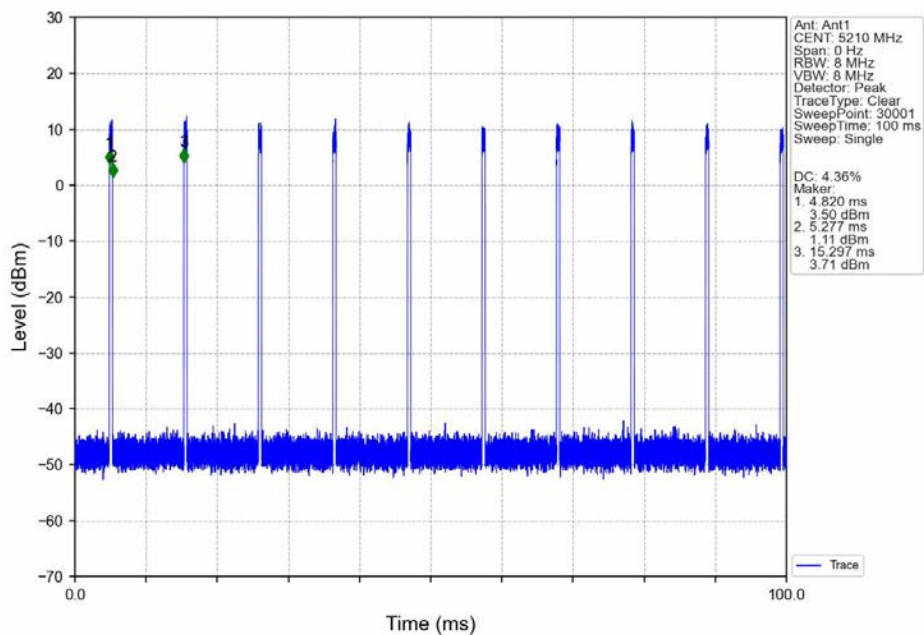
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



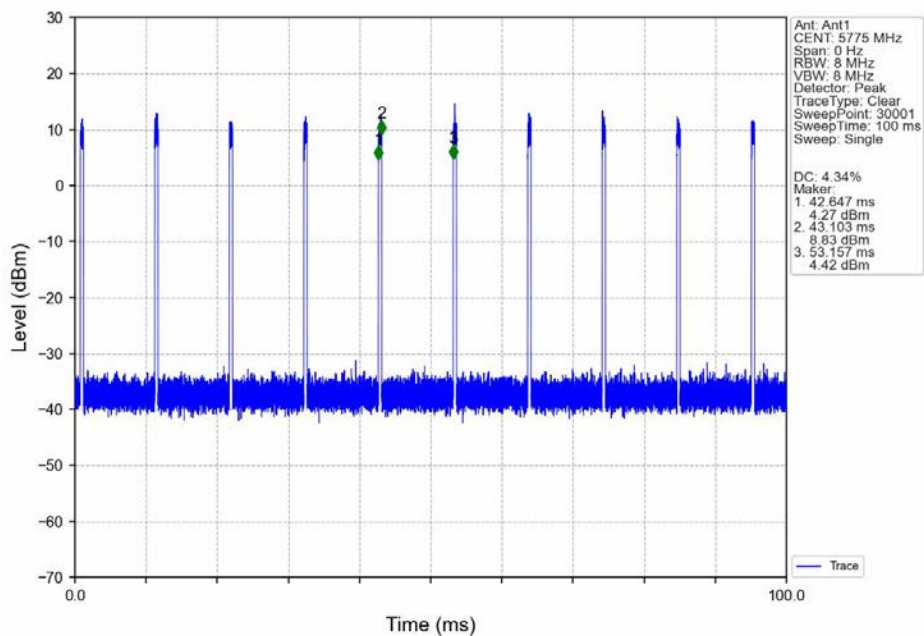
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



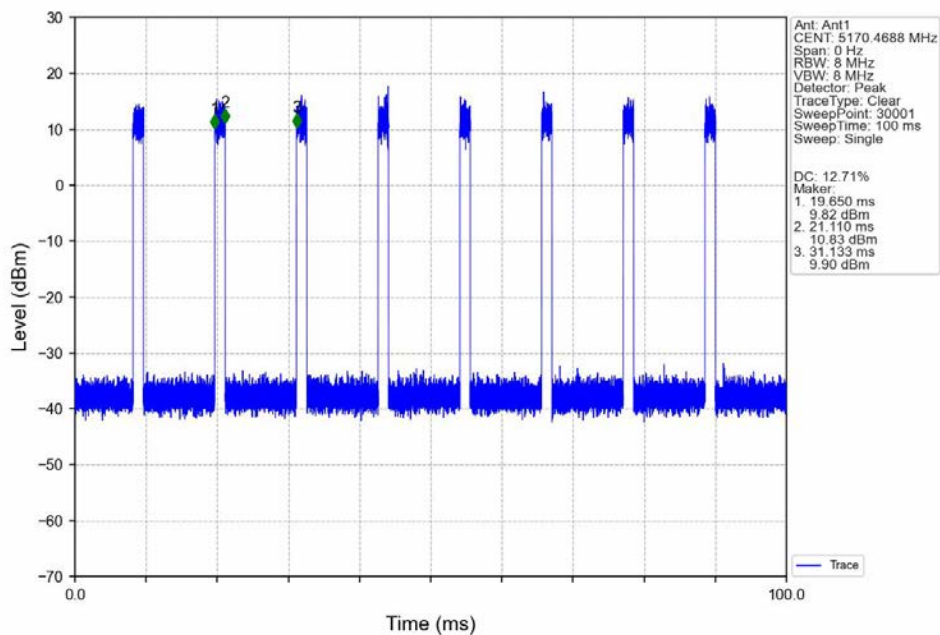
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



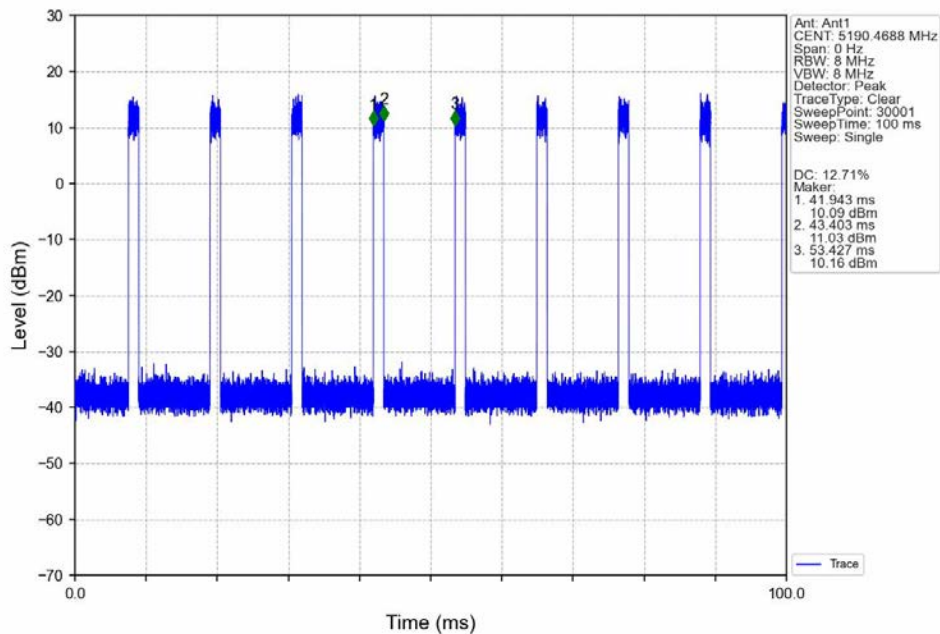
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



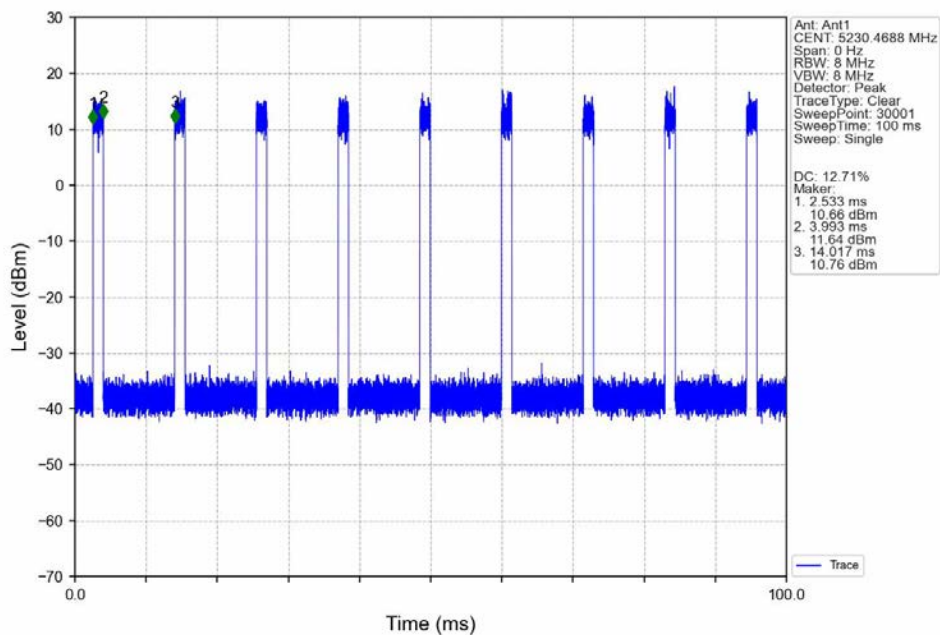
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



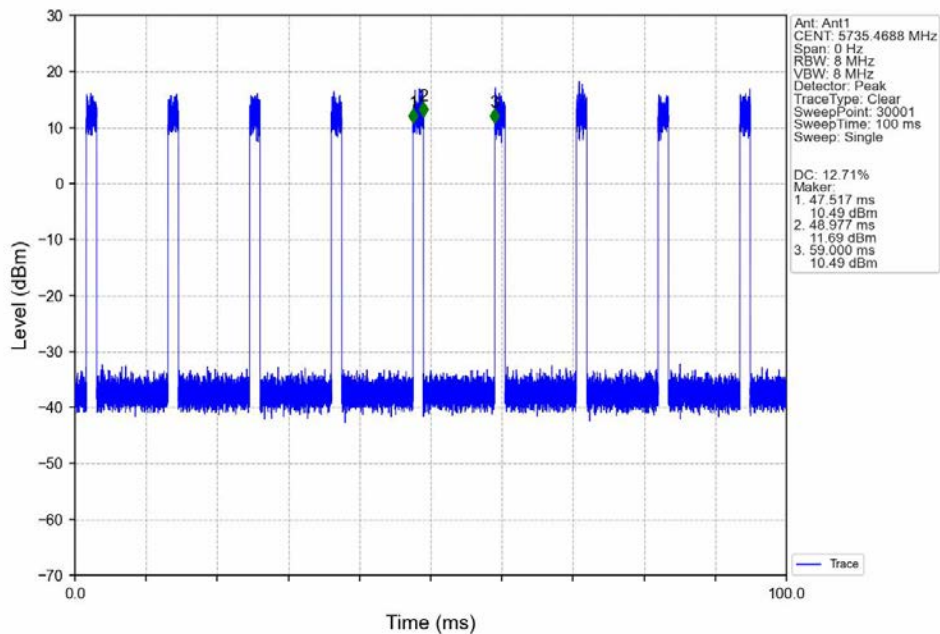
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



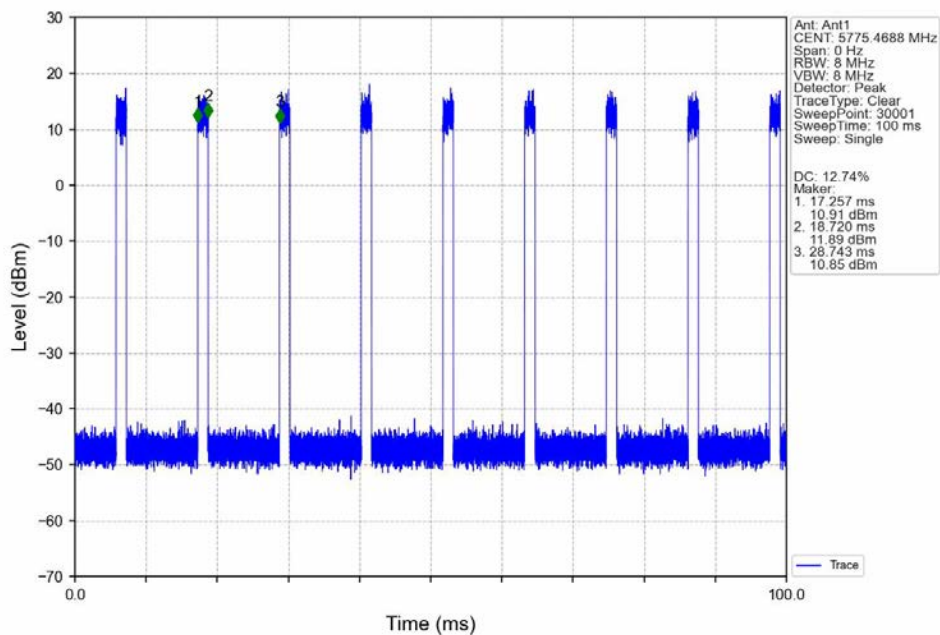
802.11ax(HEW20)_HCH_5240MHz_SU / _Ant1_NTNV



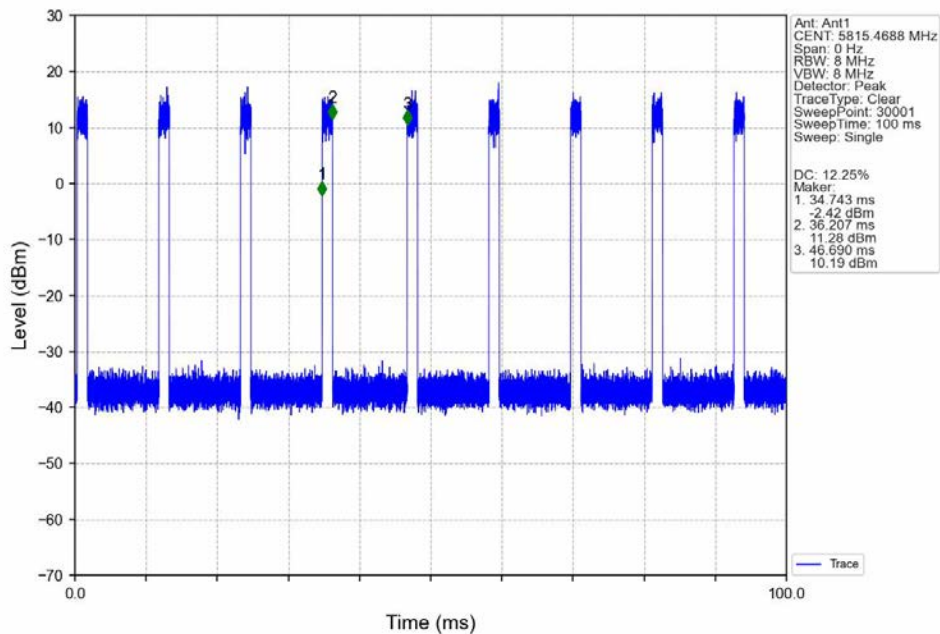
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



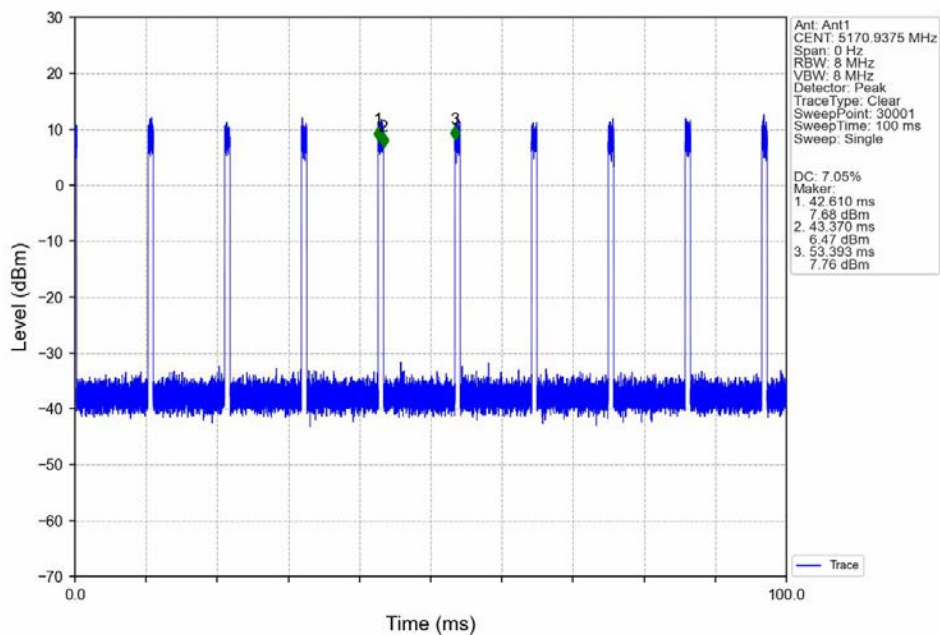
802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV



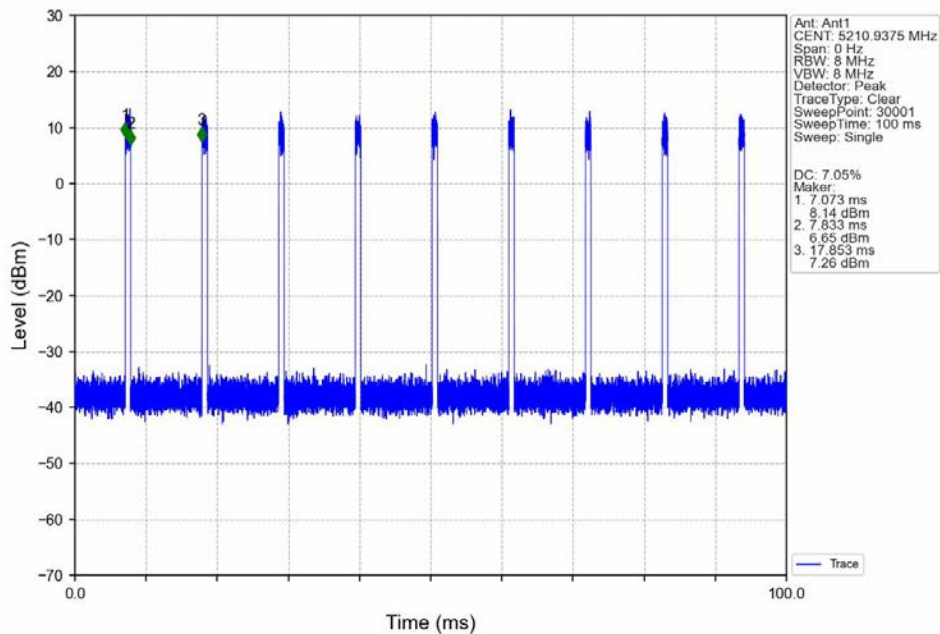
802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV



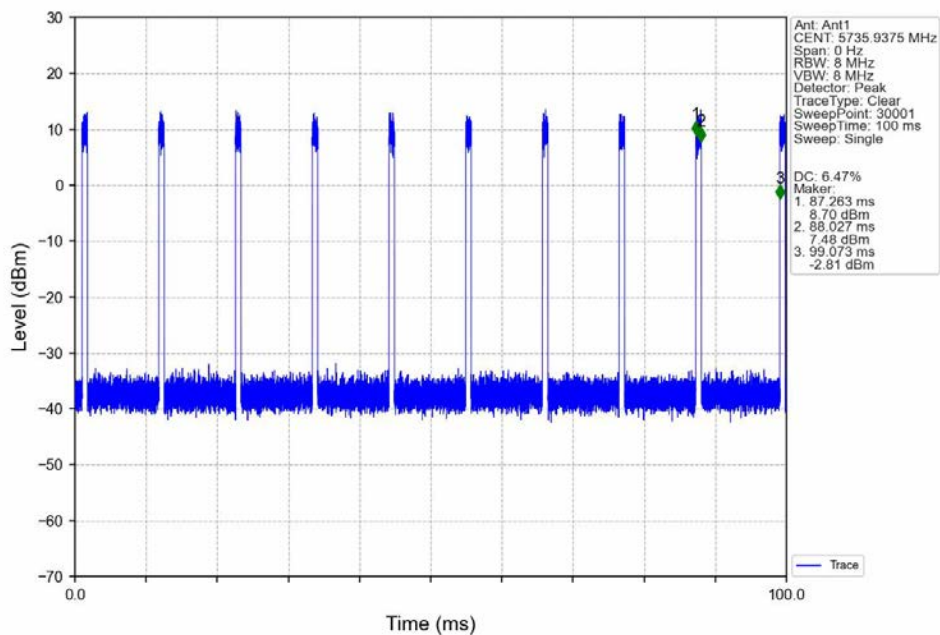
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



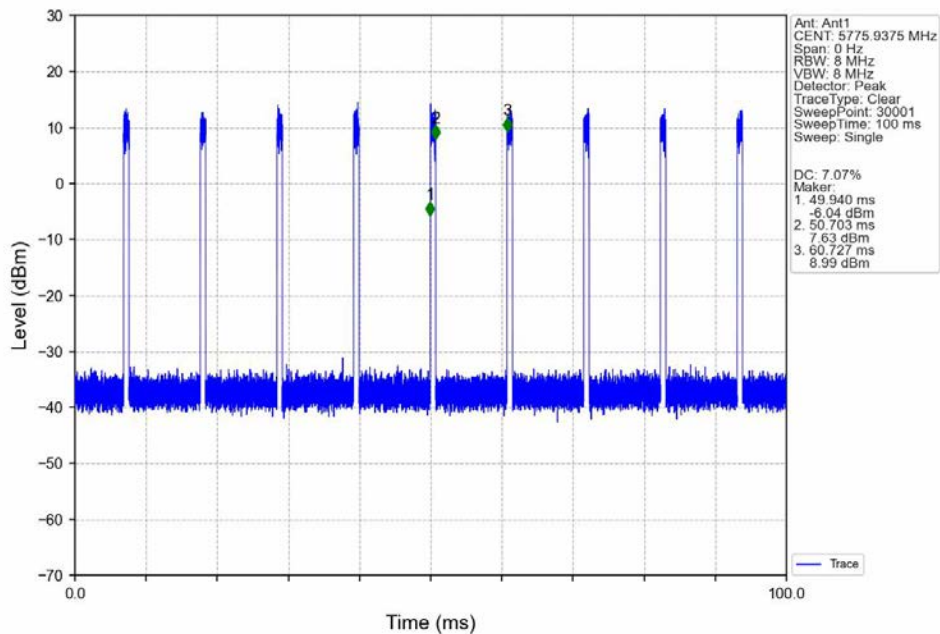
802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV



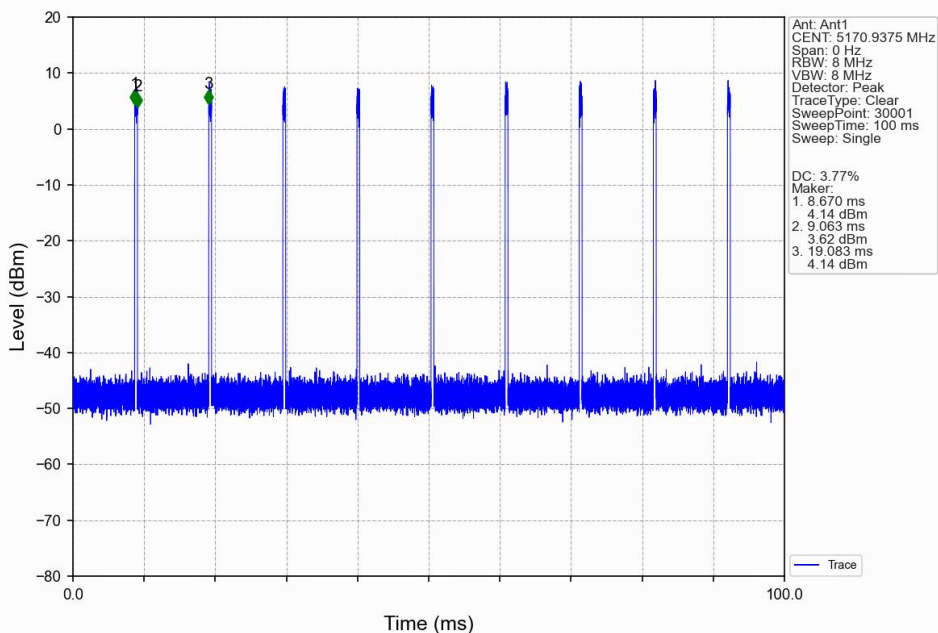
802.11ax(HEW40)_LCH_5755MHz_SU_ / _Ant1_NTNV



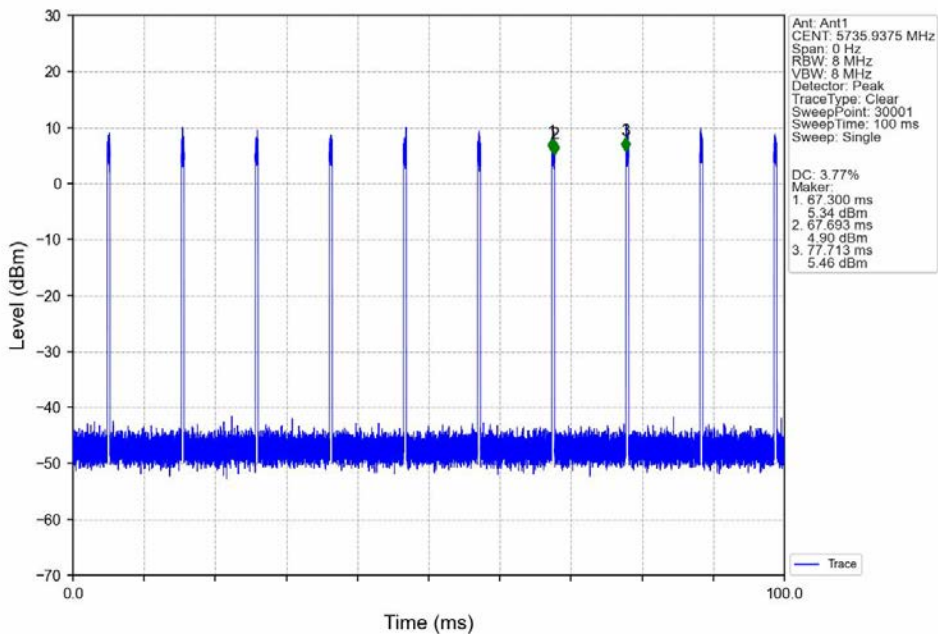
802.11ax(HEW40)_HCH_5795MHz_SU_ / _Ant1_NTNV



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	17.396	/	Pass
		5200	/	/	1	17.694	/	Pass
		5240	/	/	1	17.664	/	Pass
		5745	/	/	1	18.123	/	Pass
		5785	/	/	1	17.864	/	Pass
		5825	/	/	1	17.862	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	18.718	/	Pass
		5200	/	/	1	18.595	/	Pass
		5240	/	/	1	18.621	/	Pass
		5745	/	/	1	18.811	/	Pass
		5785	/	/	1	18.827	/	Pass
		5825	/	/	1	18.969	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	36.898	/	Pass
		5230	/	/	1	36.806	/	Pass
		5755	/	/	1	37.267	/	Pass
		5795	/	/	1	37.240	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	18.803	/	Pass
		5200	/	/	1	18.569	/	Pass
		5240	/	/	1	18.657	/	Pass
		5745	/	/	1	19.057	/	Pass
		5785	/	/	1	18.864	/	Pass
		5825	/	/	1	19.002	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	36.934	/	Pass
		5230	/	/	1	36.910	/	Pass
		5755	/	/	1	37.290	/	Pass
		5795	/	/	1	36.922	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	76.615	/	Pass
		5775	/	/	1	76.666	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	19.448	/	Pass
		5200	SU	/	1	19.349	/	Pass
		5240	SU	/	1	19.373	/	Pass
		5745	SU	/	1	19.418	/	Pass
		5785	SU	/	1	19.361	/	Pass
		5825	SU	/	1	19.472	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	38.125	/	Pass
		5230	SU	/	1	38.112	/	Pass
		5755	SU	/	1	38.478	/	Pass
		5795	SU	/	1	38.303	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	77.346	/	Pass
		5775	SU	/	1	78.301	/	Pass

2.1.2 26dB BW

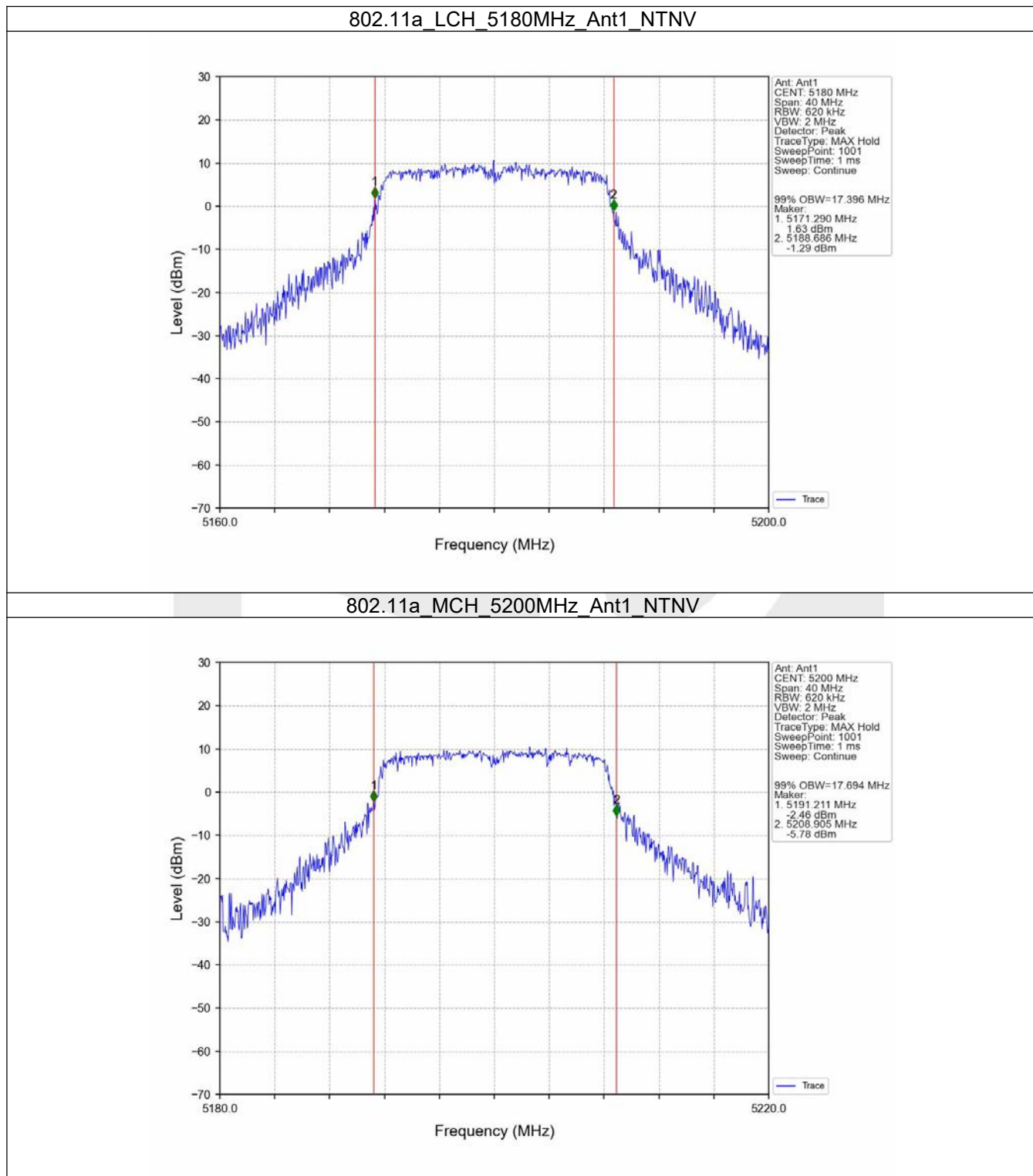
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	25.543	/	Pass
		5200	/	/	1	24.707	/	Pass
		5240	/	/	1	25.519	/	Pass
802.11n (HT20)	SISO	5180	/	/	1	27.310	/	Pass
		5200	/	/	1	26.054	/	Pass
		5240	/	/	1	24.709	/	Pass
802.11n (HT40)	SISO	5190	/	/	1	46.252	/	Pass
		5230	/	/	1	47.113	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	26.321	/	Pass
		5200	/	/	1	26.593	/	Pass
		5240	/	/	1	24.858	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	44.657	/	Pass
		5230	/	/	1	46.553	/	Pass
802.11ac (VHT80)	SISO	5210	/	/	1	84.696	/	Pass
802.11ax (HEW20)	SISO	5180	SU	/	1	28.894	/	Pass
		5200	SU	/	1	25.997	/	Pass
		5240	SU	/	1	27.108	/	Pass
802.11ax (HEW40)	SISO	5190	SU	/	1	43.014	/	Pass
		5230	SU	/	1	45.828	/	Pass
802.11ax (HEW80)	SISO	5210	SU	/	1	85.838	/	Pass

2.1.3 6dB BW

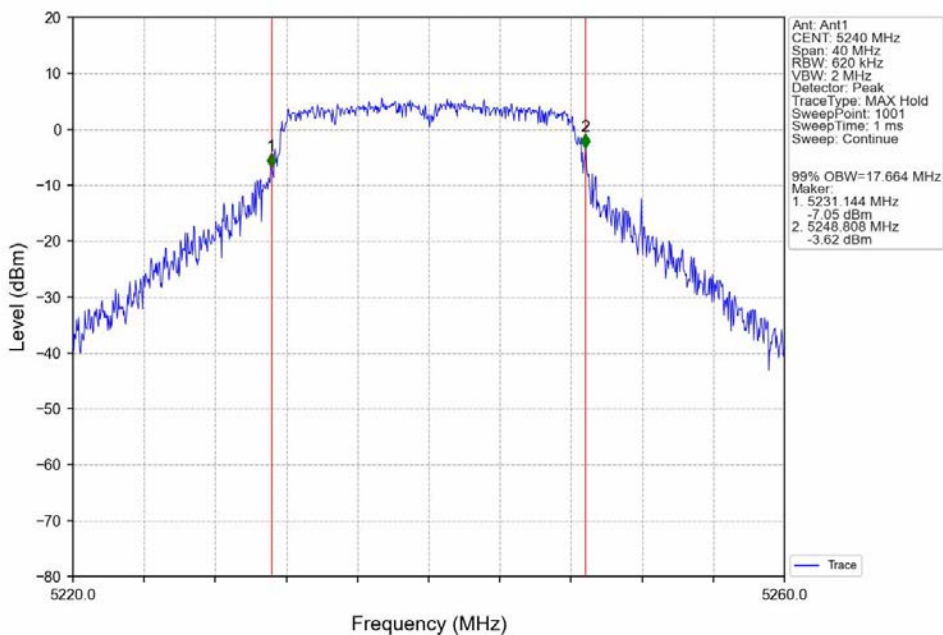
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.474	>=0.5	Pass
		5785	/	/	1	16.435	>=0.5	Pass
		5825	/	/	1	16.420	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.670	>=0.5	Pass
		5785	/	/	1	17.676	>=0.5	Pass
		5825	/	/	1	17.790	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.364	>=0.5	Pass
		5795	/	/	1	36.360	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.625	>=0.5	Pass
		5785	/	/	1	17.614	>=0.5	Pass
		5825	/	/	1	17.847	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.373	>=0.5	Pass
		5795	/	/	1	36.400	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	76.104	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	SU	/	1	19.114	>=0.5	Pass
		5785	SU	/	1	18.467	>=0.5	Pass
		5825	SU	/	1	19.009	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	SU	/	1	37.992	>=0.5	Pass
		5795	SU	/	1	37.827	>=0.5	Pass
802.11ax (HEW80)	SISO	5775	SU	/	1	76.973	>=0.5	Pass

2.2 Test Graph

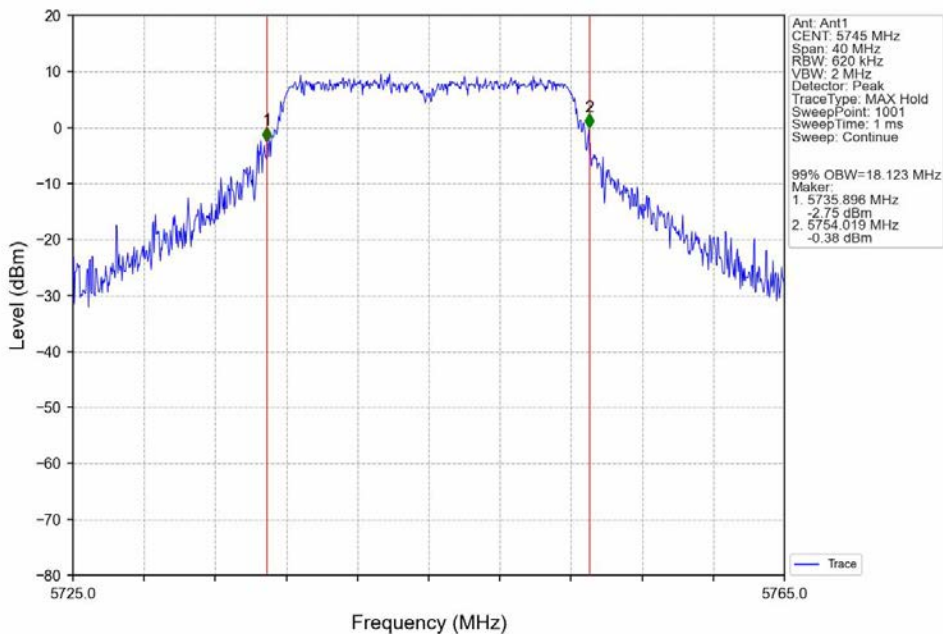
2.2.1 OBW



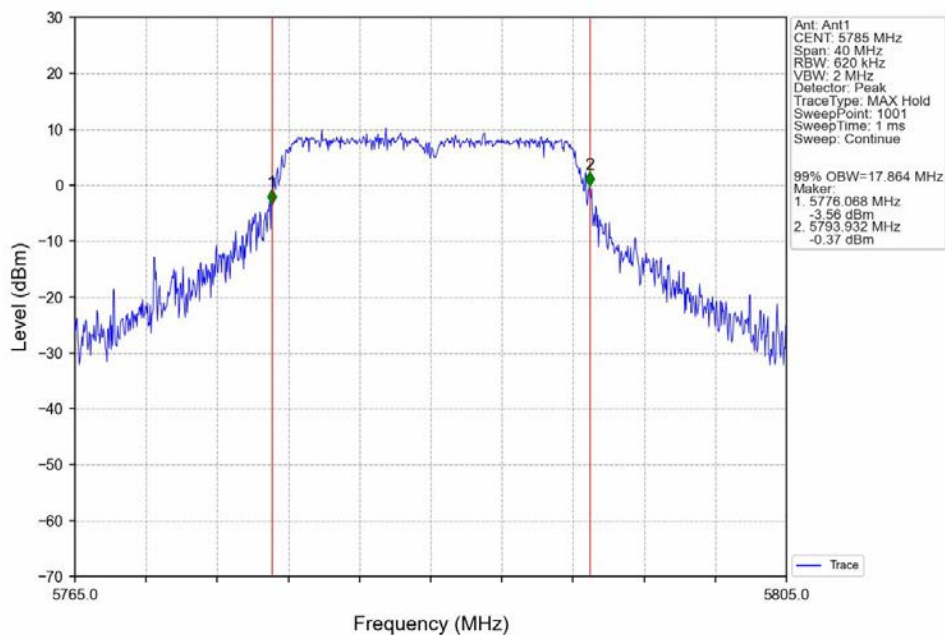
802.11a_HCH_5240MHz_Ant1_NTNV



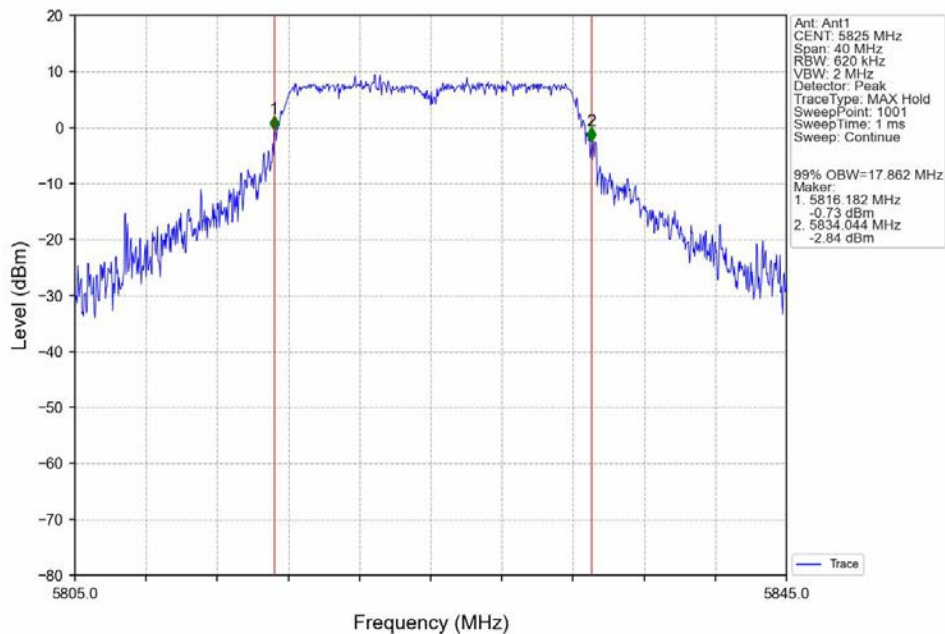
802.11a_LCH_5745MHz_Ant1_NTNV



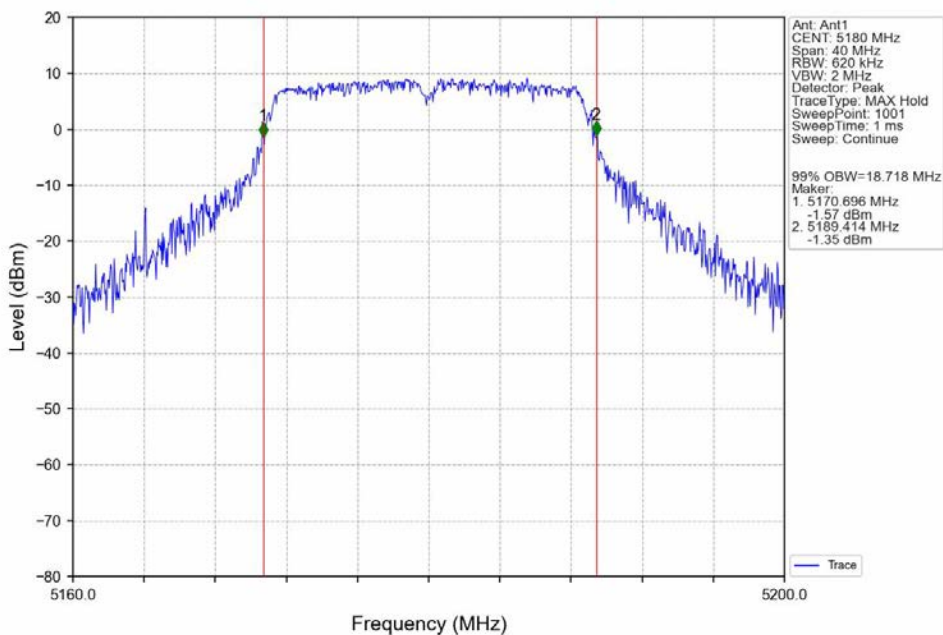
802.11a_MCH_5785MHz_Ant1_NTNV



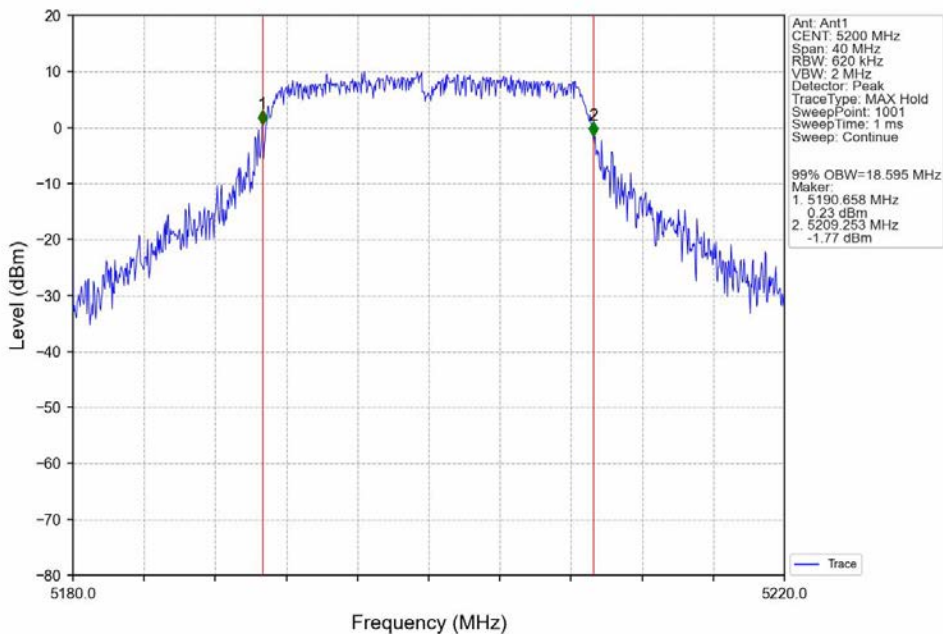
802.11a_HCH_5825MHz_Ant1_NTNV



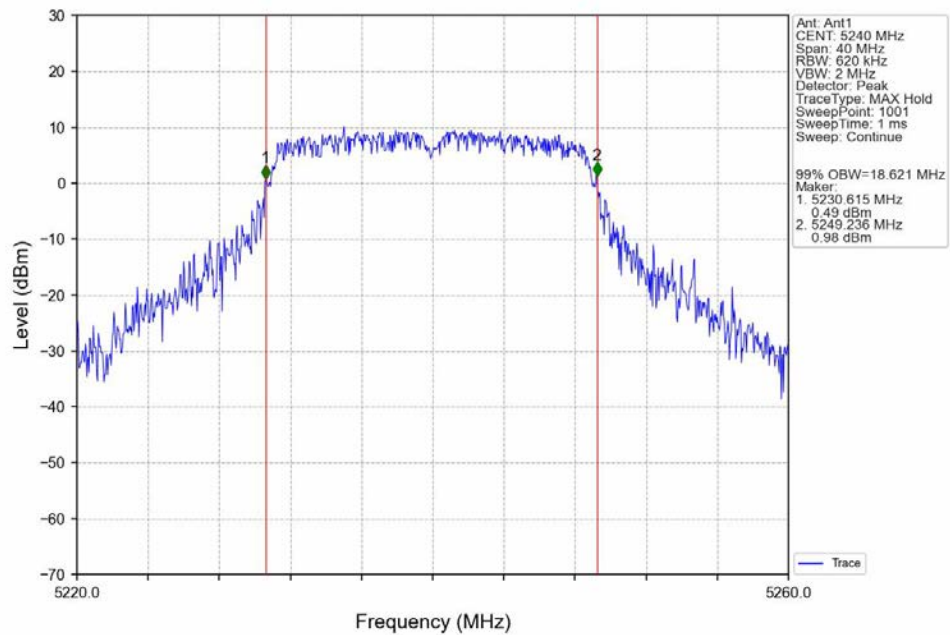
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



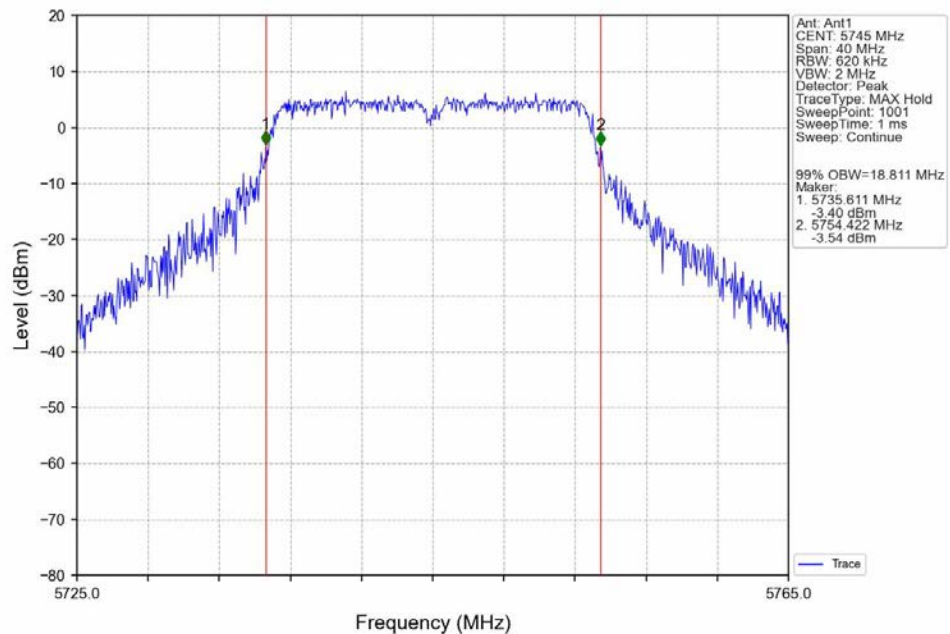
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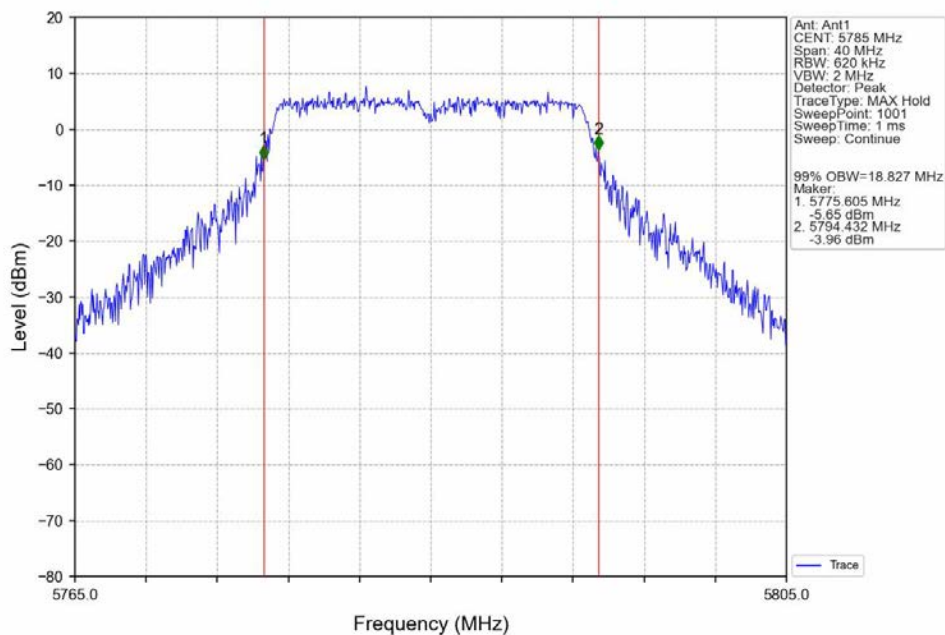
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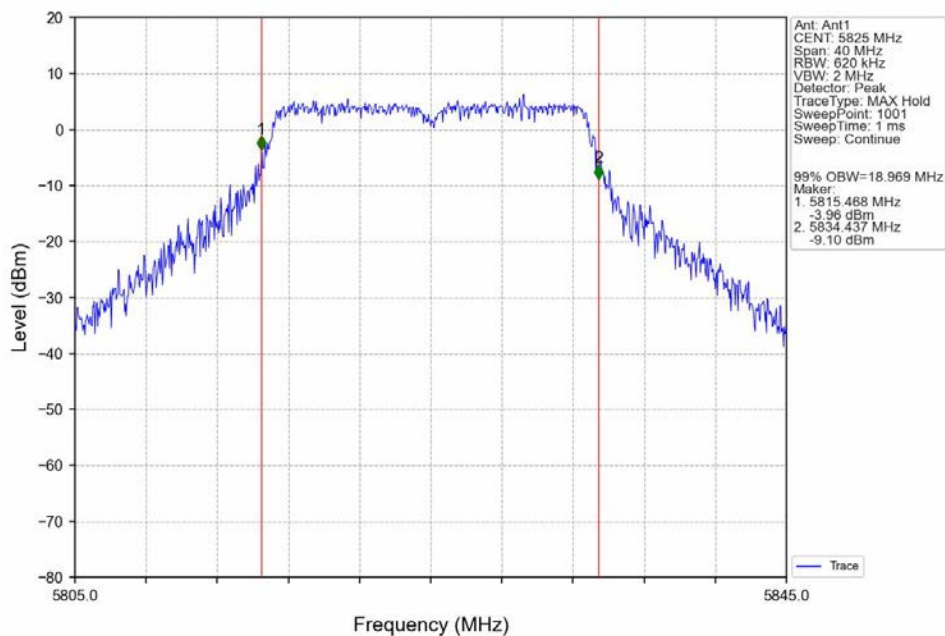
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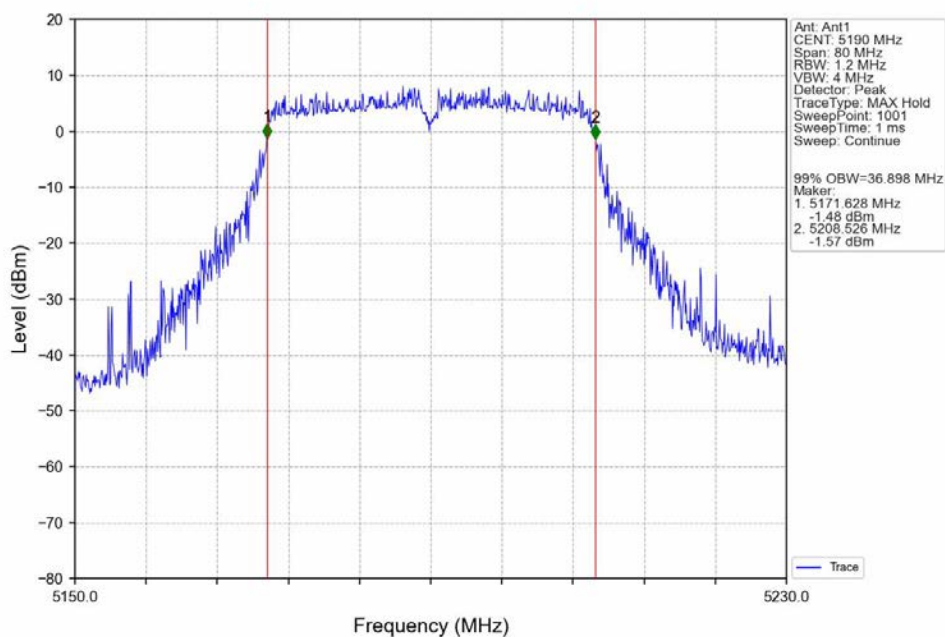
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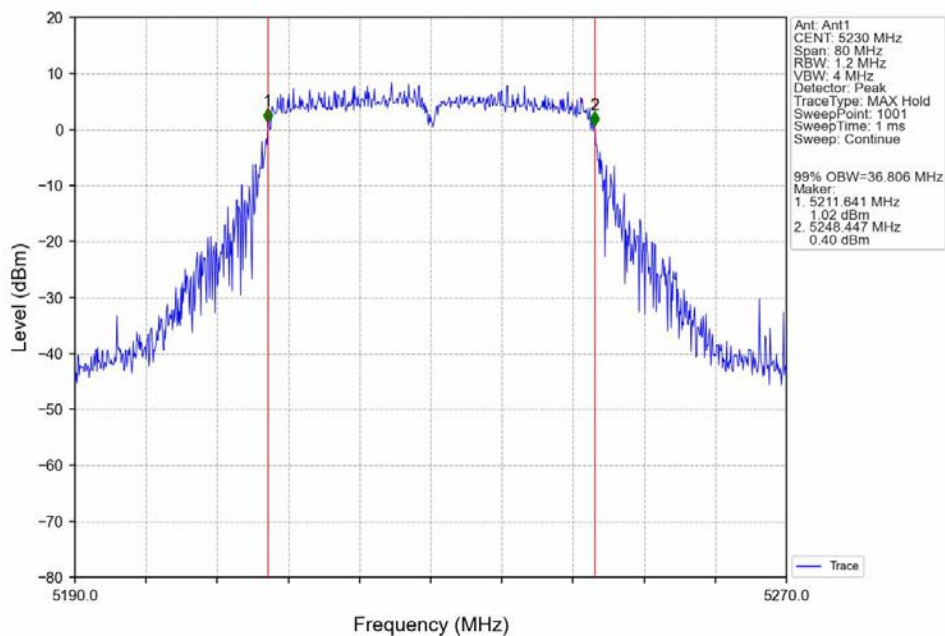
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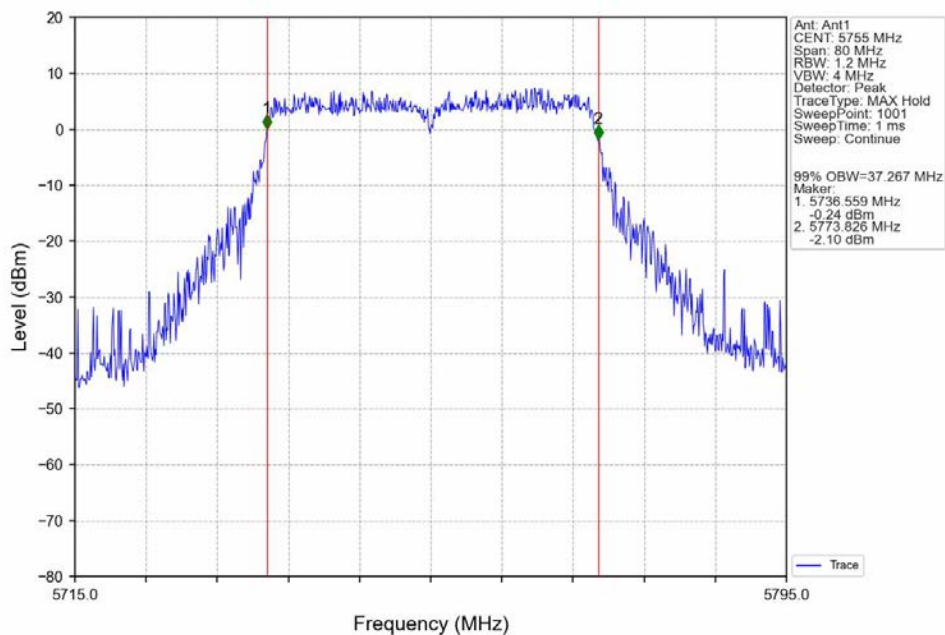
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



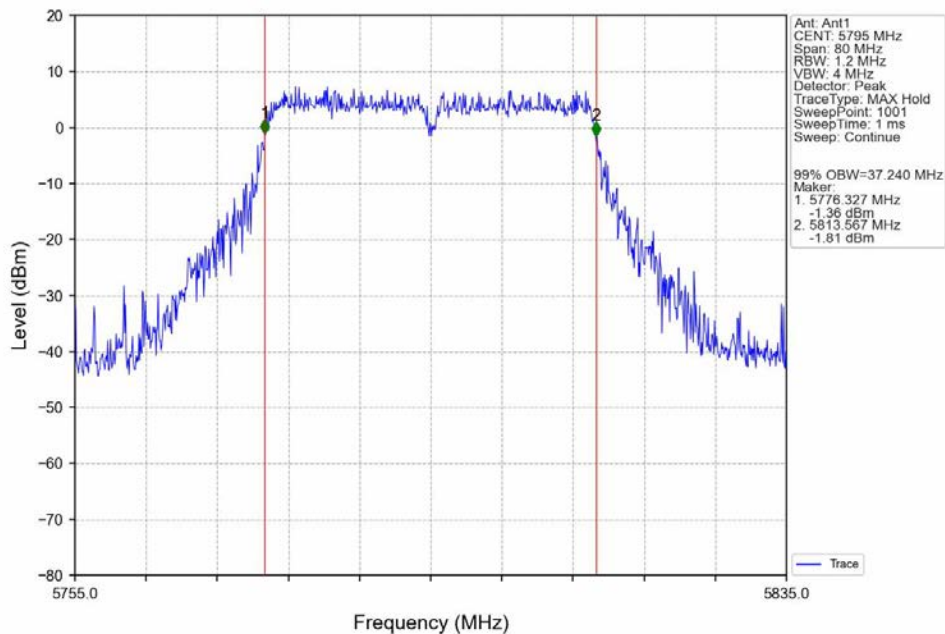
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



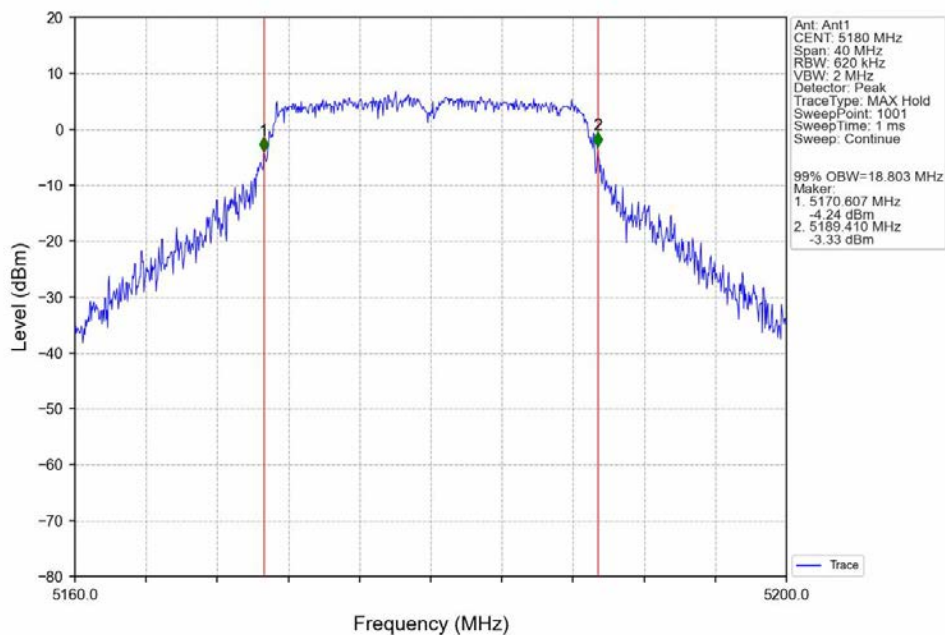
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



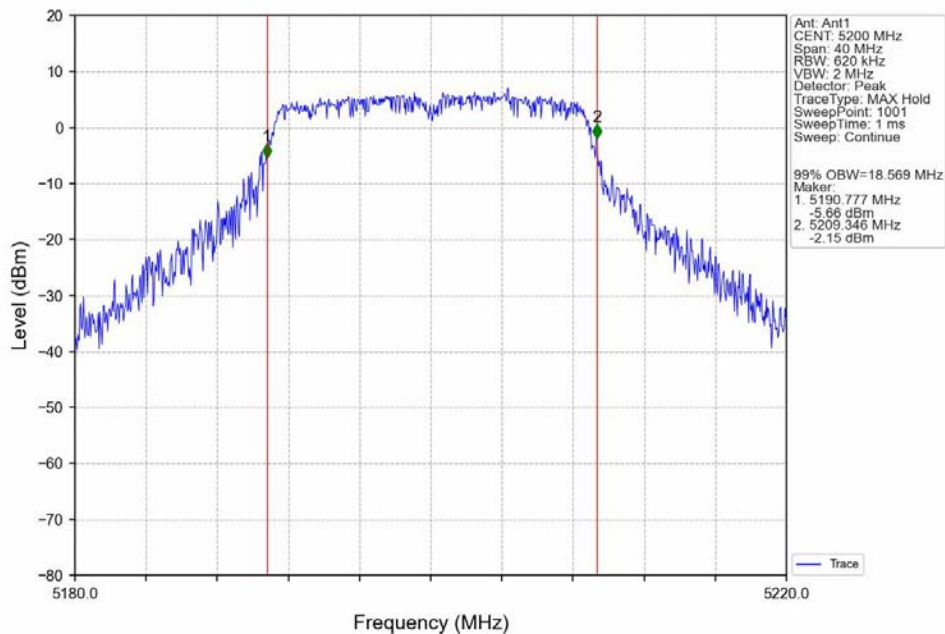
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



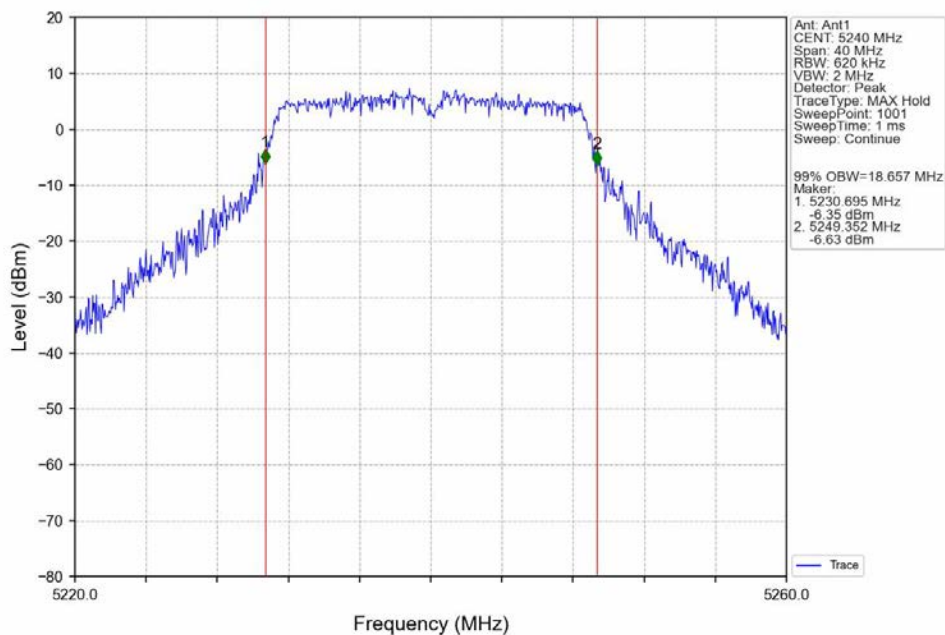
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



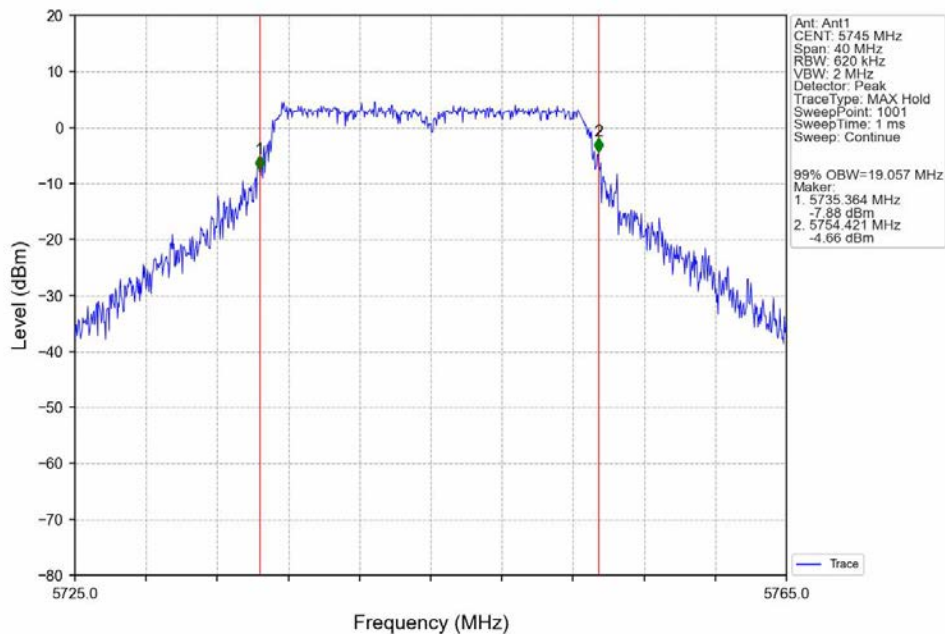
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



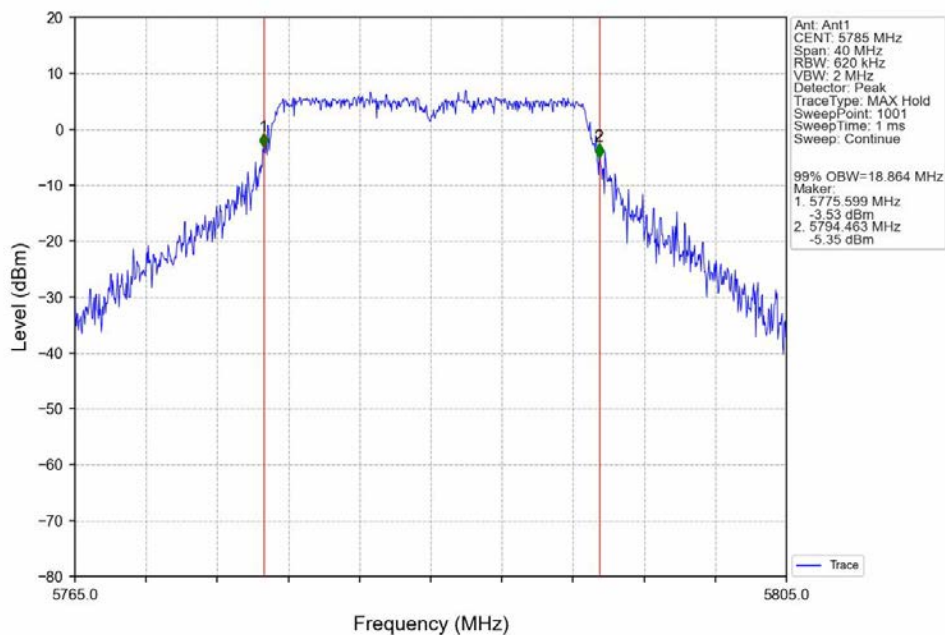
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



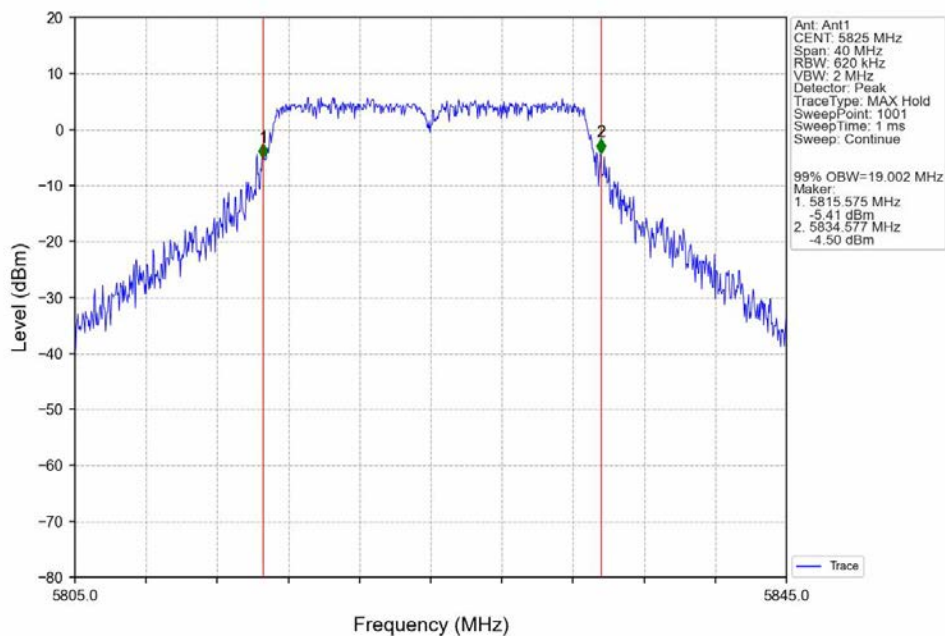
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



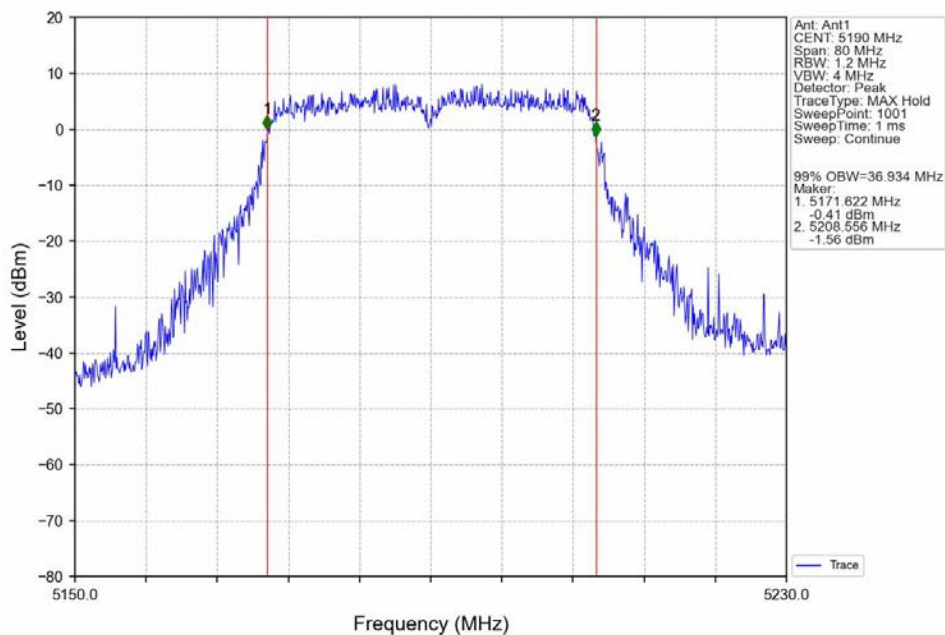
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



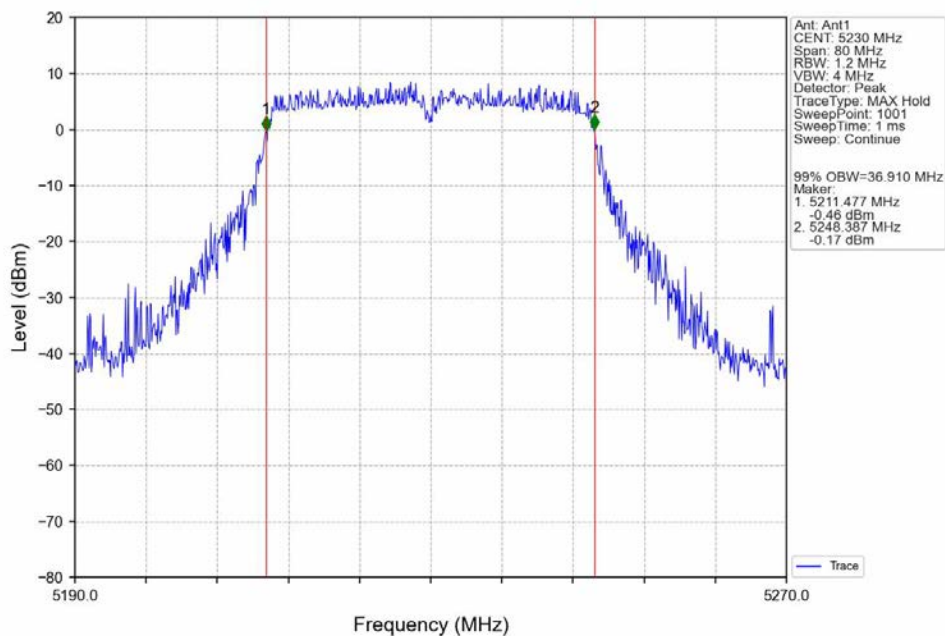
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



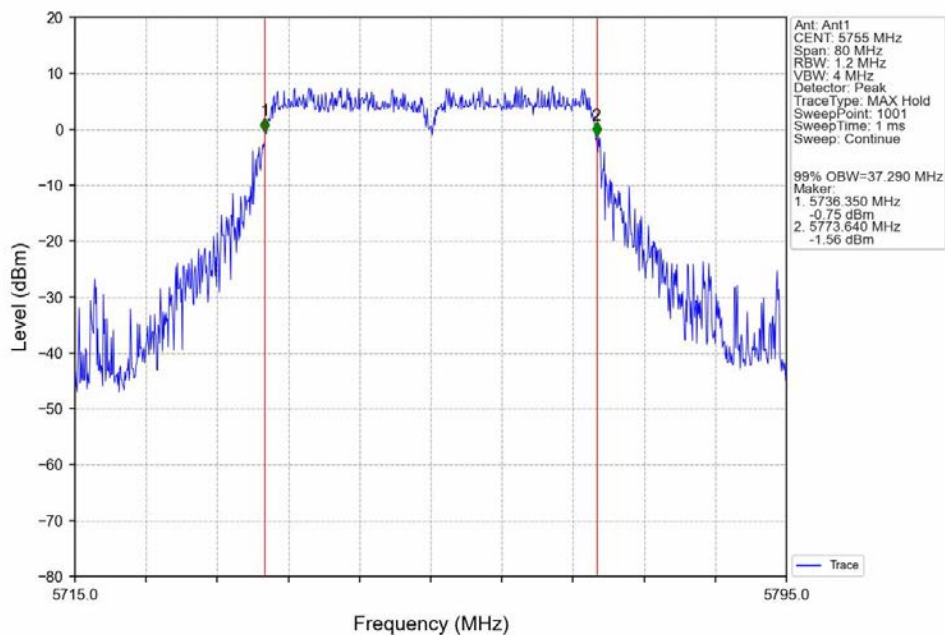
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



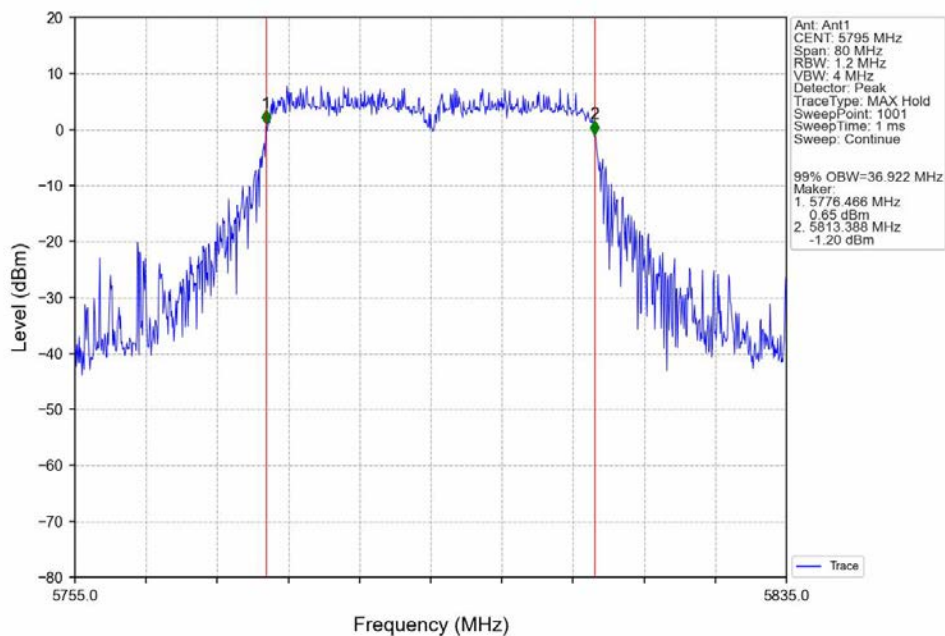
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



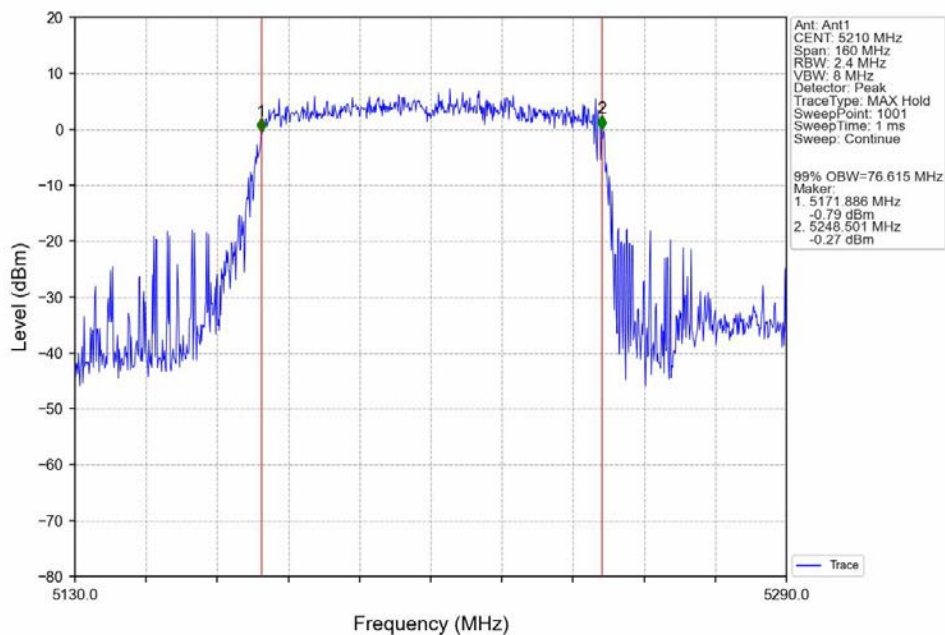
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



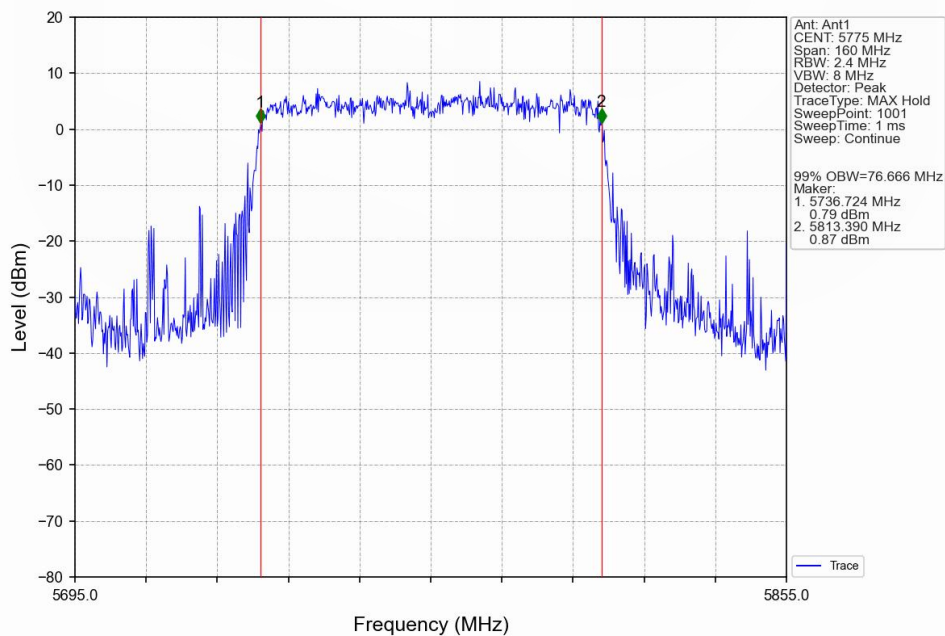
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



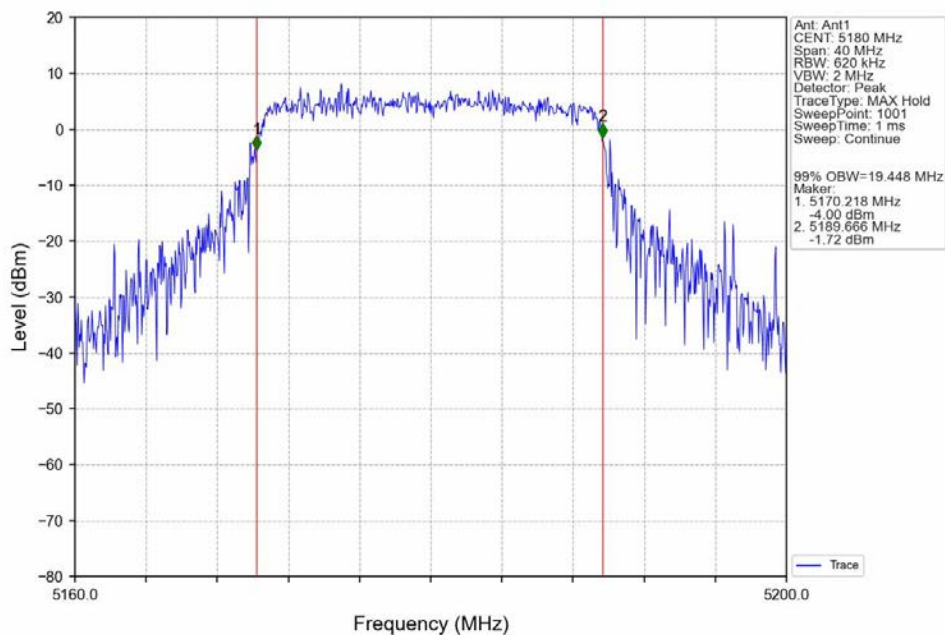
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



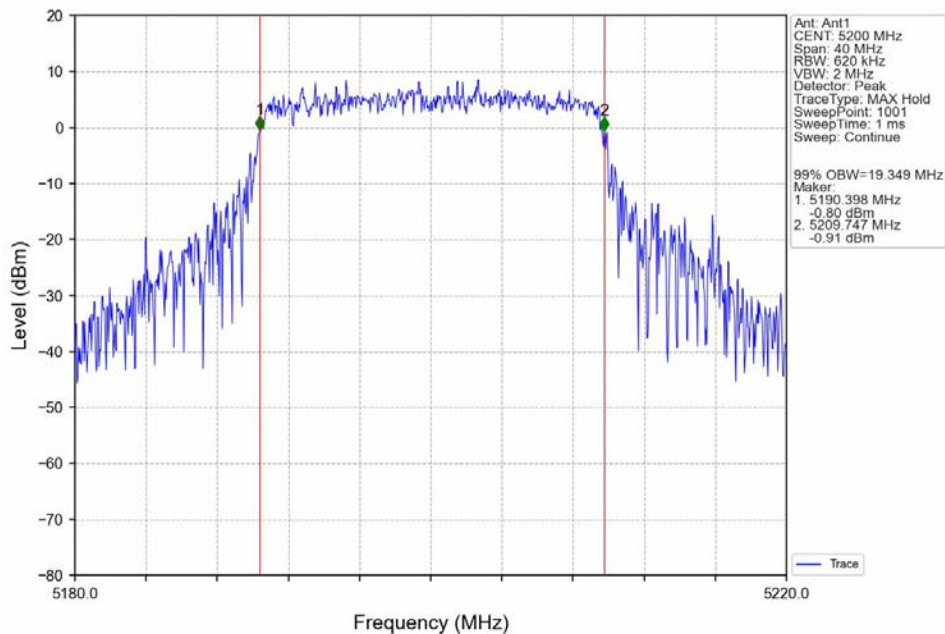
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



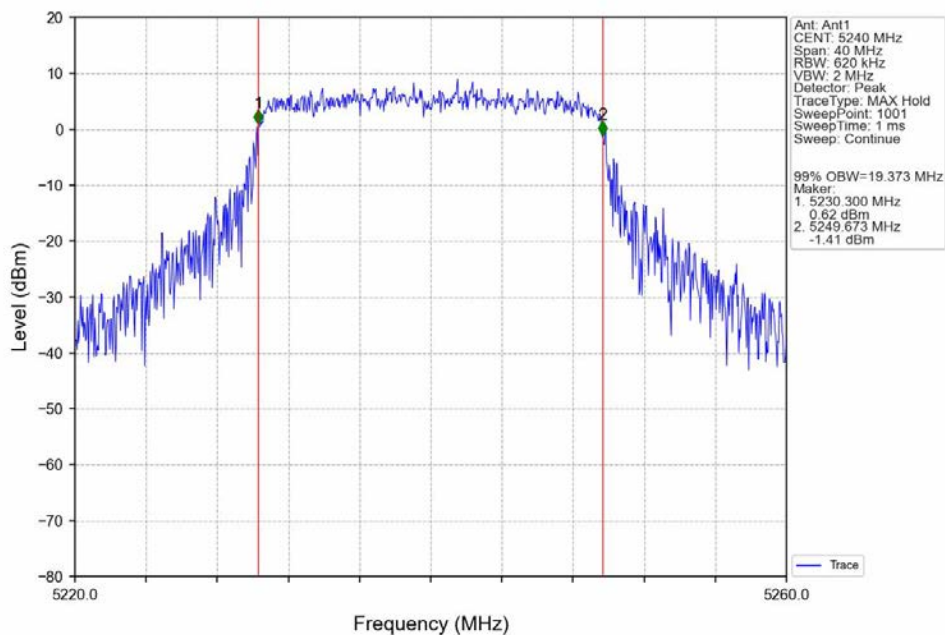
802.11ax(HEW20)_LCH_5180MHz_SU / _Ant1_NTNV



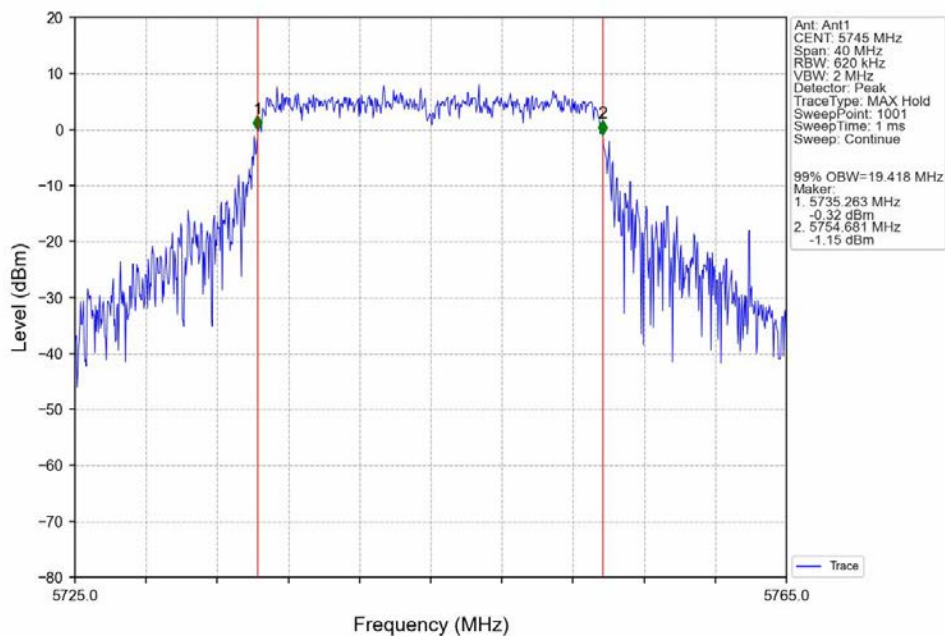
802.11ax(HEW20)_MCH_5200MHz_SU / _Ant1_NTNV



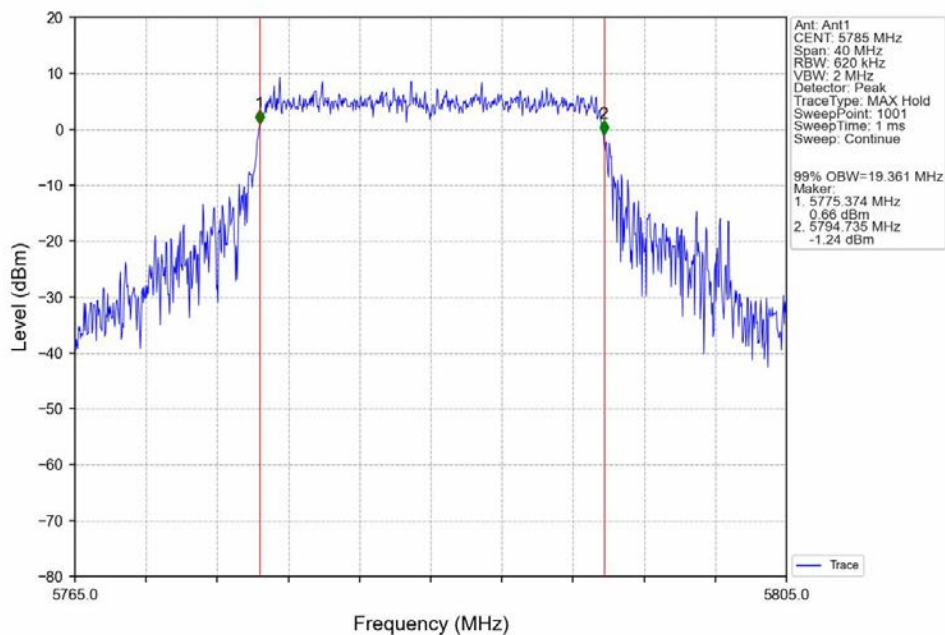
802.11ax(HEW20)_HCH_5240MHz_SU / _Ant1_NTNV



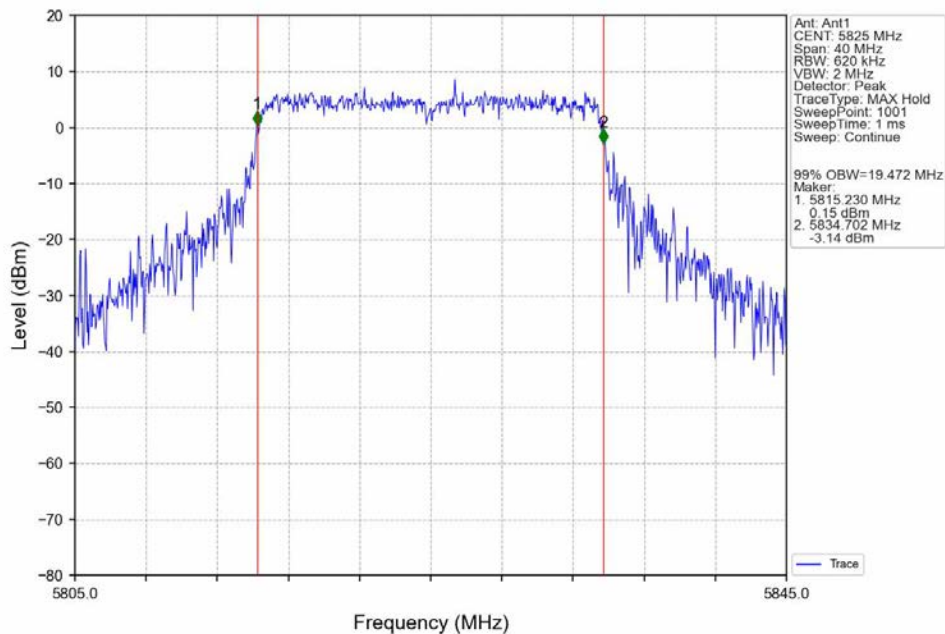
802.11ax(HEW20)_LCH_5745MHz_SU / _Ant1_NTNV



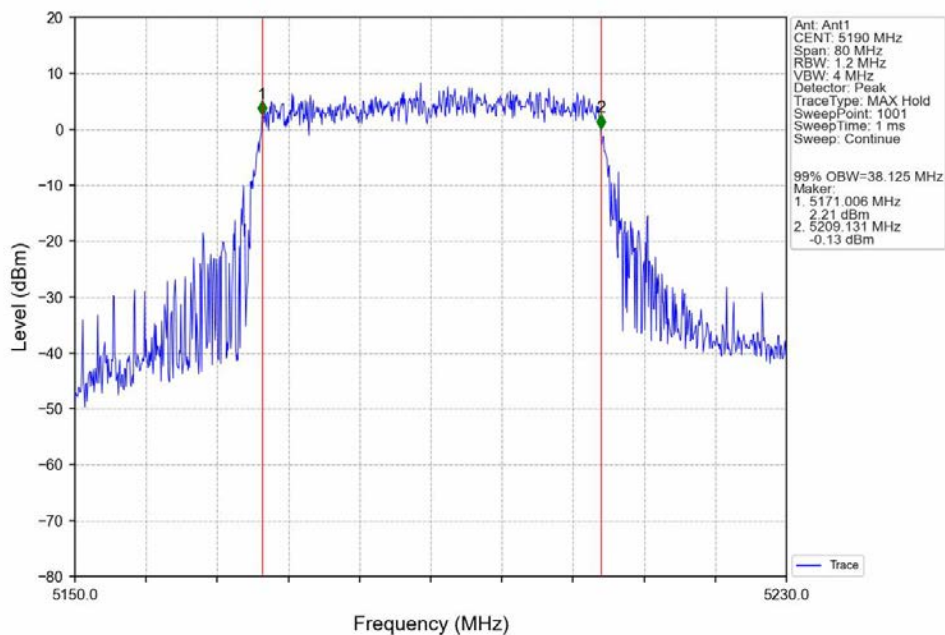
802.11ax(HEW20)_MCH_5785MHz_SU / _Ant1_NTNV



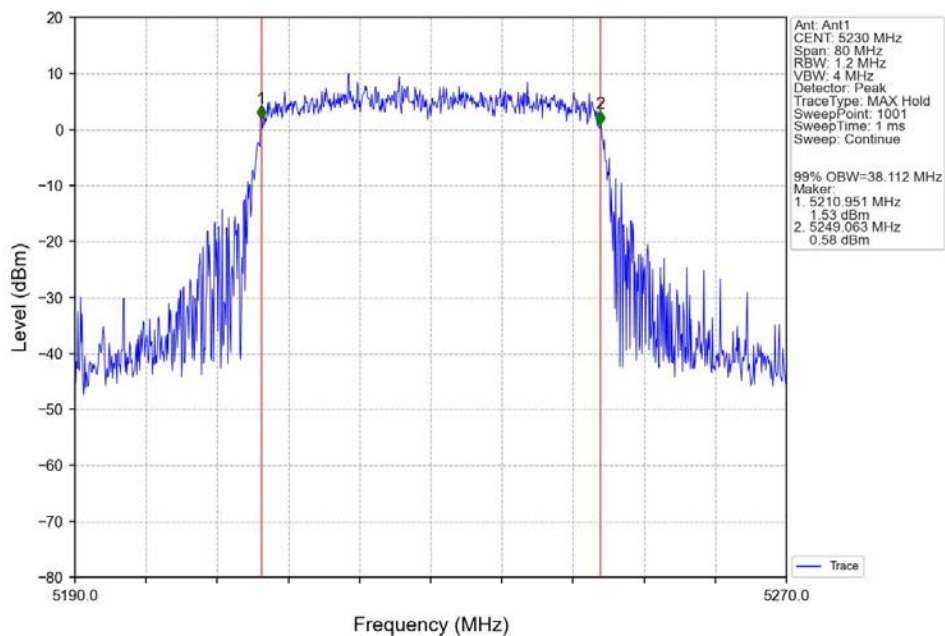
802.11ax(HEW20)_HCH_5825MHz_SU / _Ant1_NTNV



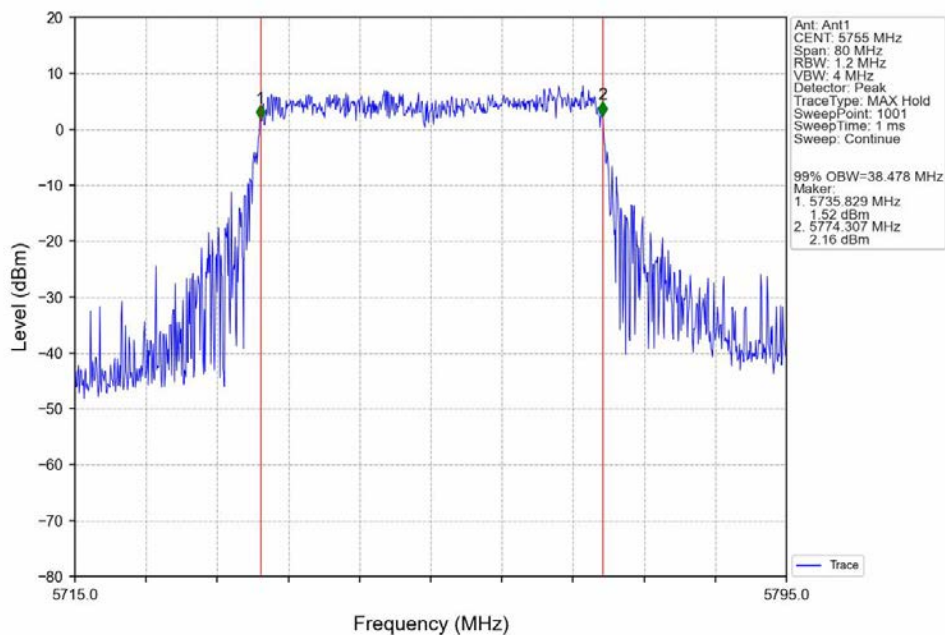
802.11ax(HEW40)_LCH_5190MHz_SU / _Ant1_NTNV



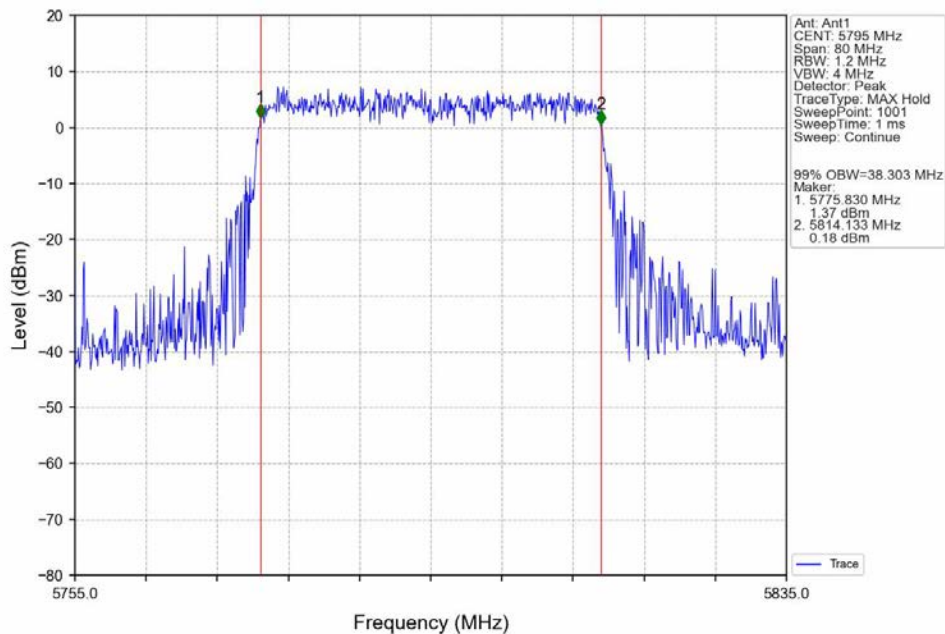
802.11ax(HEW40)_HCH_5230MHz_SU / _Ant1_NTNV



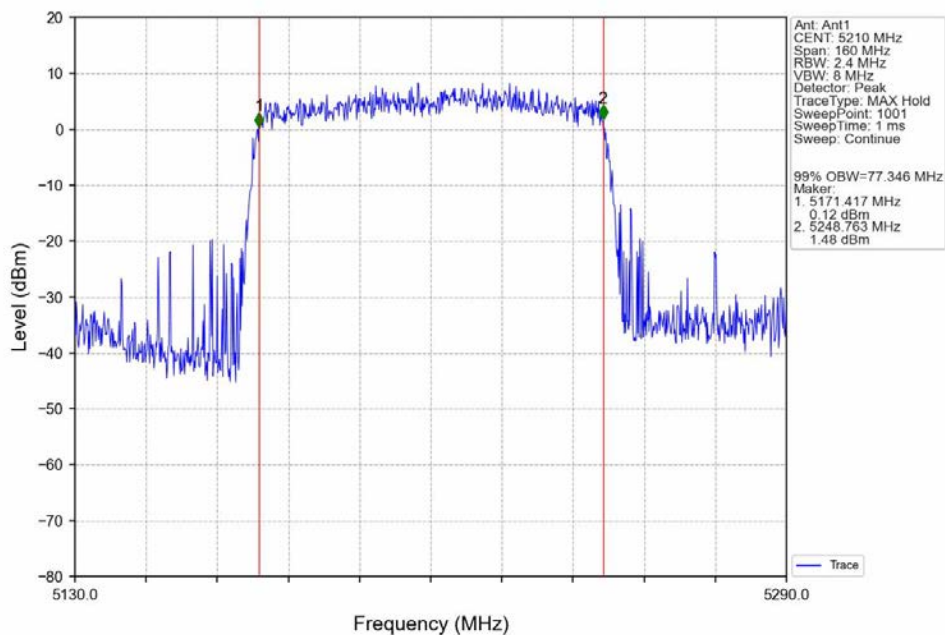
802.11ax(HEW40)_LCH_5755MHz_SU / _Ant1_NTNV



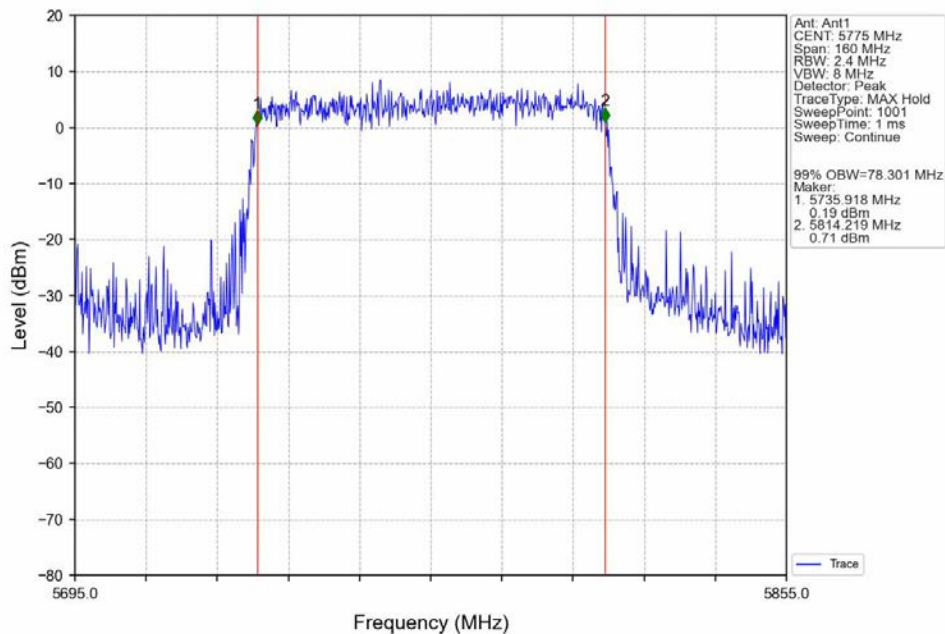
802.11ax(HEW40)_HCH_5795MHz_SU / _Ant1_NTNV



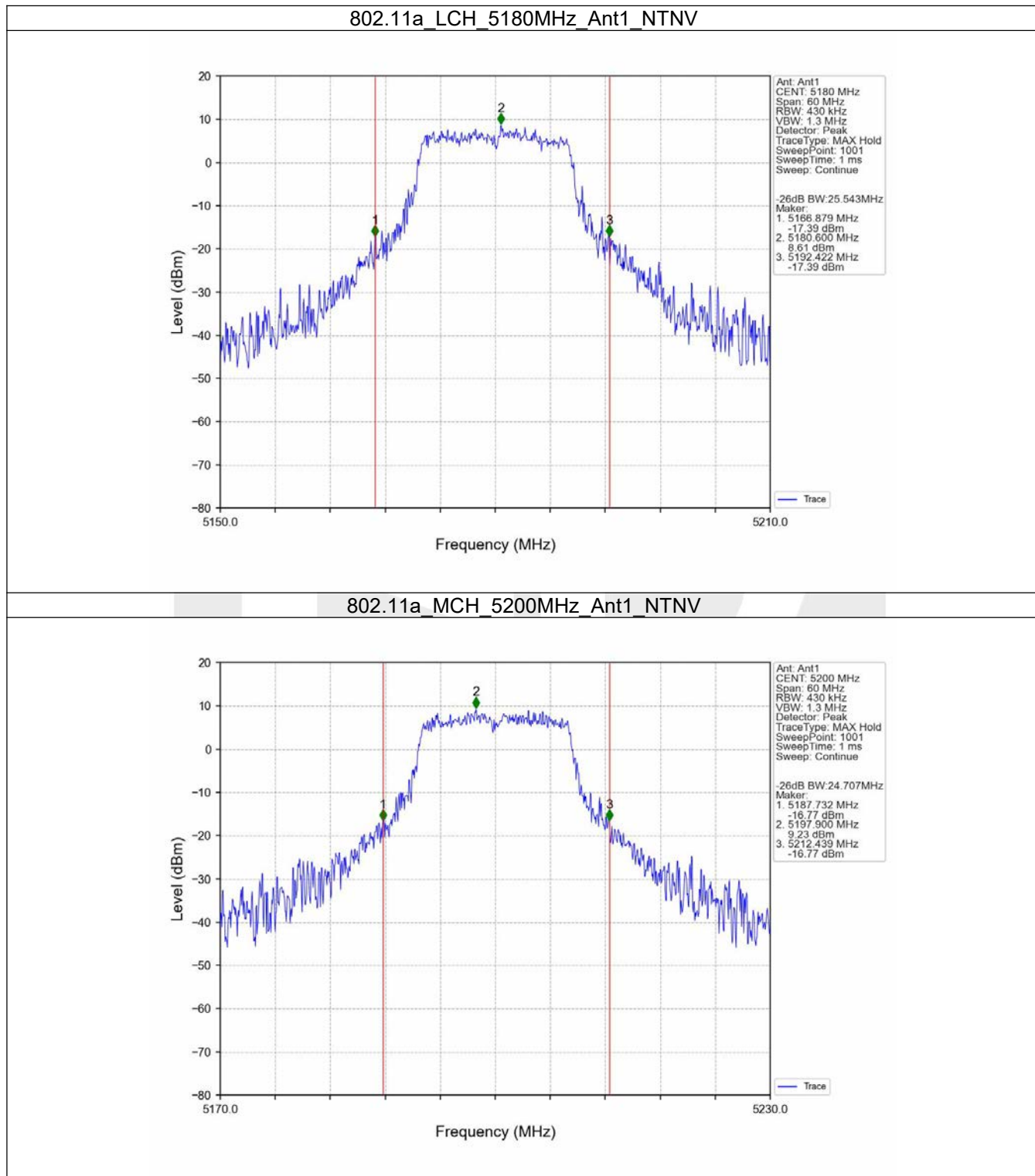
802.11ax(HEW80)_MCH_5210MHz_SU / _Ant1_NTNV



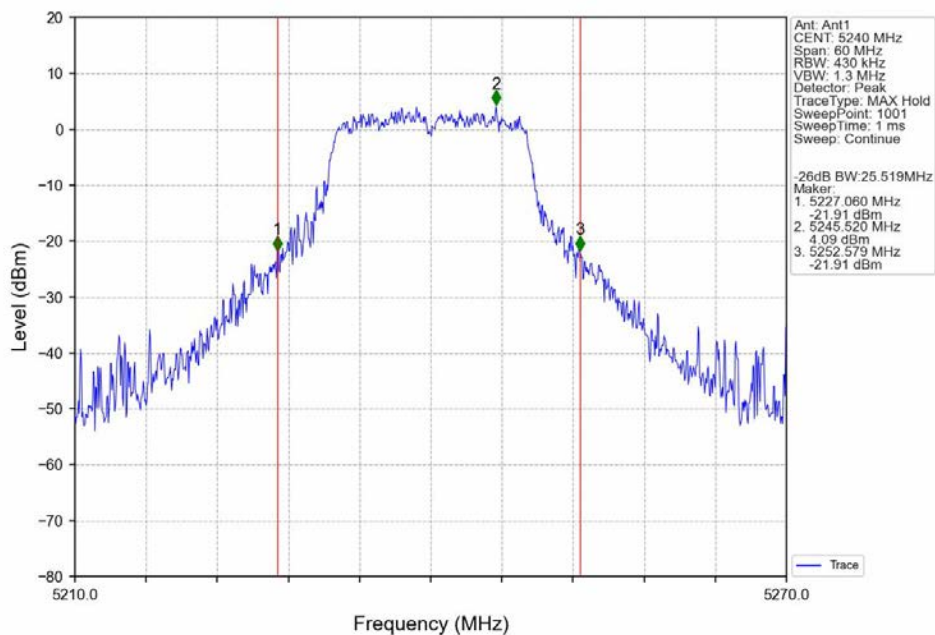
802.11ax(HEW80)_MCH_5775MHz_SU / _Ant1_NTNV



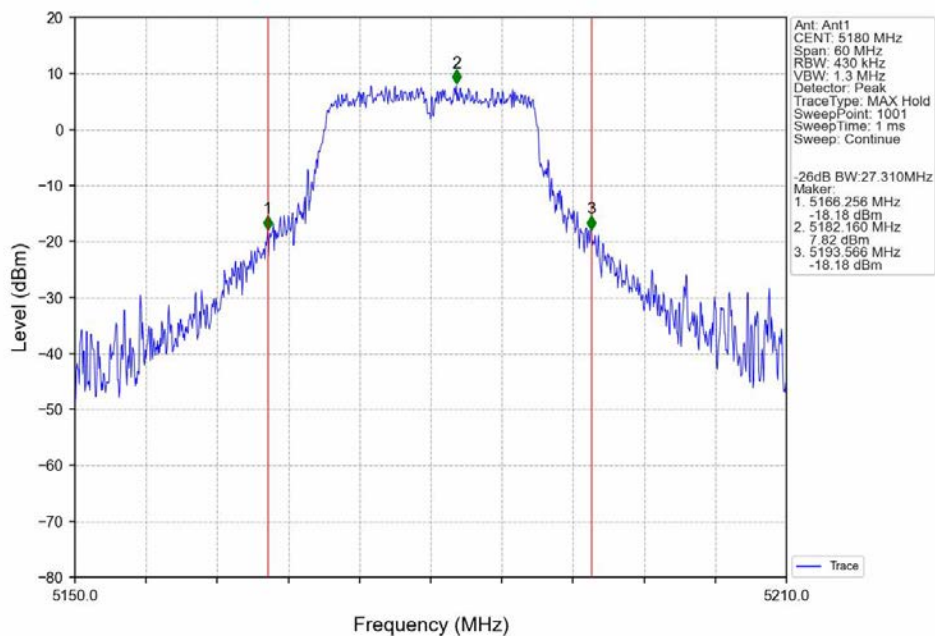
2.2.2 26dB BW



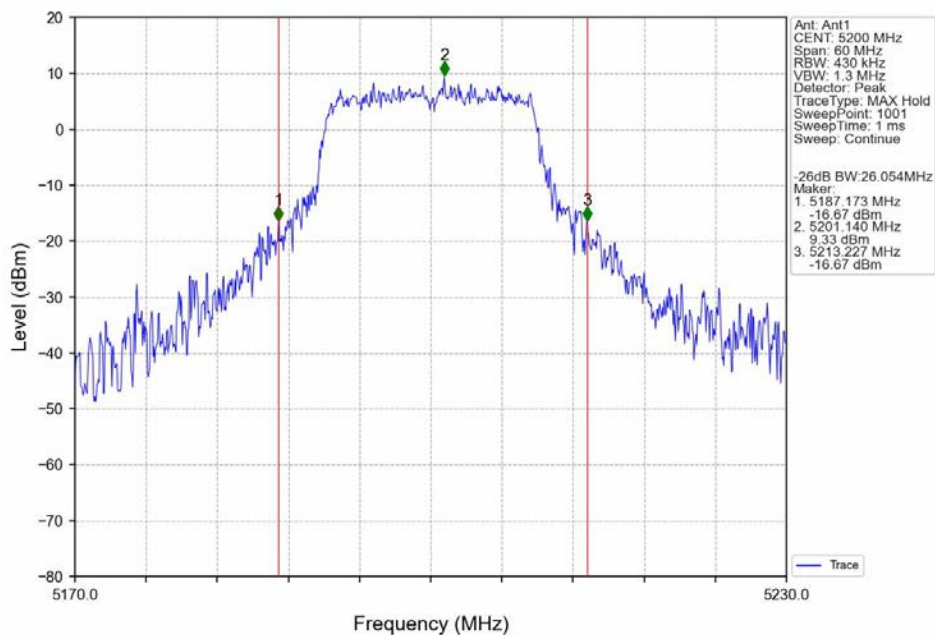
802.11a_HCH_5240MHz_Ant1_NTNV



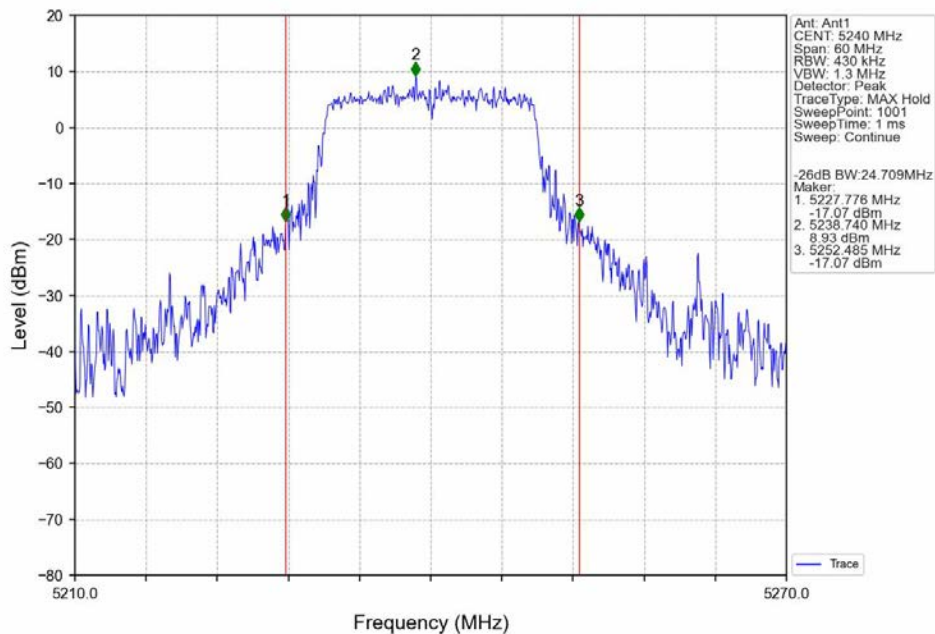
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



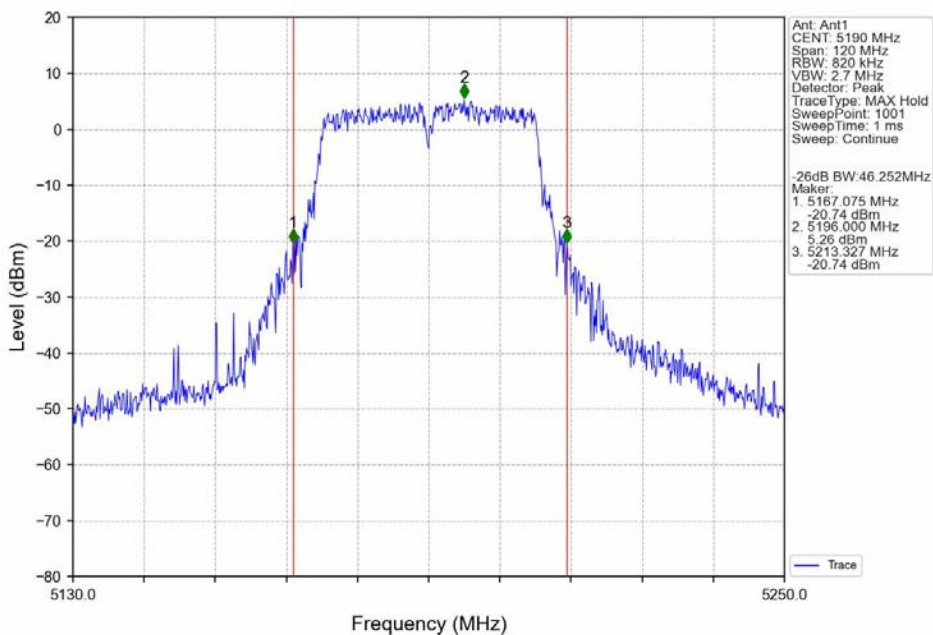
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

