

Appendix RF test data for WIFI5G

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	/	/	2.023	12.043	16.80	7.75	0.03
		5200	/	/	2.023	12.040	16.80	7.75	0.03
		5240	/	/	2.023	12.566	16.10	7.93	0.72
		5745	/	/	2.023	12.043	16.80	7.75	0.03
		5785	/	/	2.023	12.183	16.61	7.80	0.23
		5825	/	/	2.023	12.040	16.80	7.75	0.03
802.11n (HT20)	MIMO	5180	/	/	1.887	11.907	15.85	8.00	0.03
		5200	/	/	1.886	11.903	15.84	8.00	0.03
		5240	/	/	1.886	11.900	15.85	8.00	0.02
		5745	/	/	1.887	11.907	15.85	8.00	0.03
		5785	/	/	1.890	11.937	15.83	8.00	0.04
		5825	/	/	1.887	11.903	15.85	8.00	0.03
802.11n (HT40)	MIMO	5190	/	/	0.930	11.286	8.24	10.84	0.26
		5230	/	/	0.930	11.240	8.27	10.82	0.22
		5755	/	/	0.927	10.947	8.47	10.72	0.04
		5795	/	/	0.927	10.940	8.47	10.72	0.03
802.11ac (VHT20)	MIMO	5180	/	/	1.897	11.993	15.82	8.01	0.11
		5200	/	/	1.897	12.337	15.38	8.13	0.55
		5240	/	/	1.896	11.916	15.91	7.98	0.01
		5745	/	/	5.090	15.110	33.69	4.73	0.03
		5785	/	/	5.090	15.110	33.69	4.73	0.03
		5825	/	/	5.093	15.107	33.71	4.72	0.00
802.11ac (VHT40)	MIMO	5190	/	/	0.936	10.956	8.54	10.68	0.01
		5230	/	/	0.937	11.067	8.47	10.72	0.12
		5755	/	/	4.896	14.913	32.83	4.84	0.01
		5795	/	/	4.897	14.917	32.83	4.84	0.01
802.11ac (VHT80)	MIMO	5210	/	/	0.450	10.470	4.30	13.67	0.03
		5775	/	/	2.284	12.304	18.56	7.31	0.03
802.11ax (HEW20)	MIMO	5180	SU	/	1.457	11.477	12.69	8.96	0.03
		5200	SU	/	1.456	11.476	12.69	8.97	0.03
		5240	SU	/	1.457	11.474	12.70	8.96	0.03
		5745	SU	/	3.870	13.890	27.86	5.55	0.01
		5785	SU	/	3.870	13.890	27.86	5.55	0.01
		5825	SU	/	3.870	13.887	27.87	5.55	0.01
802.11ax (HEW40)	MIMO	5190	SU	/	1.960	12.150	16.13	7.92	0.26
		5230	SU	/	1.960	11.973	16.37	7.86	0.02
		5755	SU	/	3.866	13.880	27.85	5.55	0.01
		5795	SU	/	3.866	13.953	27.71	5.57	0.15
802.11ax (HEW80)	MIMO	5210	SU	/	1.877	11.897	15.78	8.02	0.03
		5775	SU	/	1.876	11.890	15.78	8.02	0.02

1.1.2 Ant2

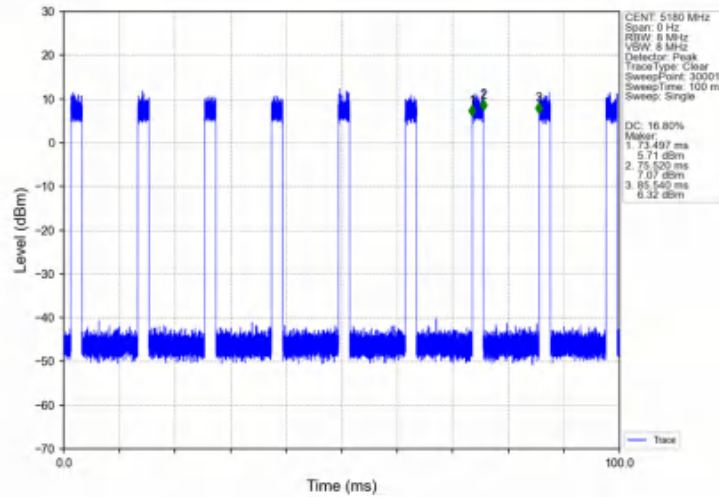
Ant2									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	2.024	12.044	16.81	7.75	0.03
		5200	/	/	2.023	12.040	16.80	7.75	0.03
		5240	/	/	2.024	12.040	16.81	7.74	0.03

		5745	/	/	2.023	12.043	16.80	7.75	0.03
		5785	/	/	2.023	12.043	16.80	7.75	0.03
		5825	/	/	2.024	12.040	16.81	7.74	0.03
802.11n (HT20)	MIMO	5180	/	/	1.887	11.907	15.85	8.00	0.03
		5200	/	/	1.887	11.903	15.85	8.00	0.03
		5240	/	/	1.890	12.003	15.75	8.03	0.13
		5745	/	/	1.886	11.906	15.84	8.00	0.03
		5785	/	/	1.890	11.937	15.83	8.00	0.05
		5825	/	/	1.886	11.906	15.84	8.00	0.03
802.11n (HT40)	MIMO	5190	/	/	0.926	10.946	8.46	10.73	0.03
		5230	/	/	0.927	10.940	8.47	10.72	0.03
		5755	/	/	0.927	10.947	8.47	10.72	0.03
		5795	/	/	0.927	10.947	8.47	10.72	0.03
802.11ac (VHT20)	MIMO	5180	/	/	1.897	11.917	15.92	7.98	0.01
		5200	/	/	1.897	11.917	15.92	7.98	0.01
		5240	/	/	1.897	11.917	15.92	7.98	0.01
		5745	/	/	5.090	15.110	33.69	4.73	0.03
		5785	/	/	5.093	15.110	33.71	4.72	0.01
		5825	/	/	5.090	15.107	33.69	4.72	0.02
802.11ac (VHT40)	MIMO	5190	/	/	0.937	11.160	8.40	10.76	0.16
		5230	/	/	0.937	10.957	8.55	10.68	0.01
		5755	/	/	4.897	14.984	32.68	4.86	0.15
		5795	/	/	4.897	14.917	32.83	4.84	0.02
802.11ac (VHT80)	MIMO	5210	/	/	0.453	11.307	4.01	13.97	0.32
		5775	/	/	2.283	12.307	18.55	7.32	0.04
802.11ax (HEW20)	MIMO	5180	SU	/	1.457	11.477	12.69	8.96	0.03
		5200	SU	/	1.457	11.477	12.69	8.96	0.04
		5240	SU	/	1.457	11.477	12.69	8.96	0.01
		5745	SU	/	3.870	13.916	27.81	5.56	0.07
		5785	SU	/	3.870	13.890	27.86	5.55	0.03
802.11ax (HEW40)	MIMO	5825	SU	/	3.870	13.890	27.86	5.55	0.01
		5190	SU	/	1.960	11.980	16.36	7.86	0.03
		5230	SU	/	1.960	11.977	16.36	7.86	0.03
		5755	SU	/	3.867	13.887	27.85	5.55	0.01
		5795	SU	/	3.867	13.887	27.85	5.55	0.01
802.11ax (HEW80)	MIMO	5210	SU	/	1.877	11.917	15.75	8.03	0.06
		5775	SU	/	1.877	11.917	15.75	8.03	0.06

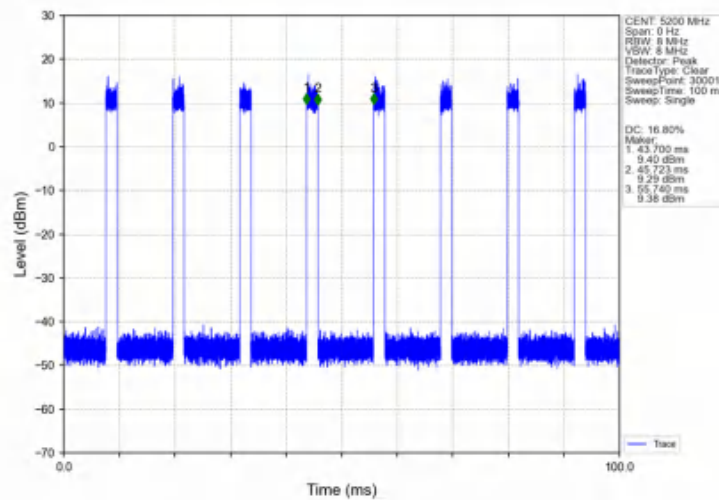
1.2 Test Graph

1.2.1 Ant1

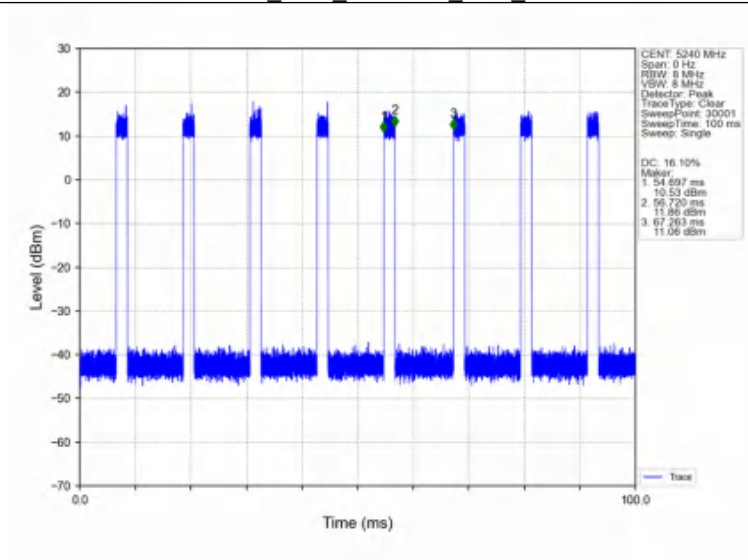
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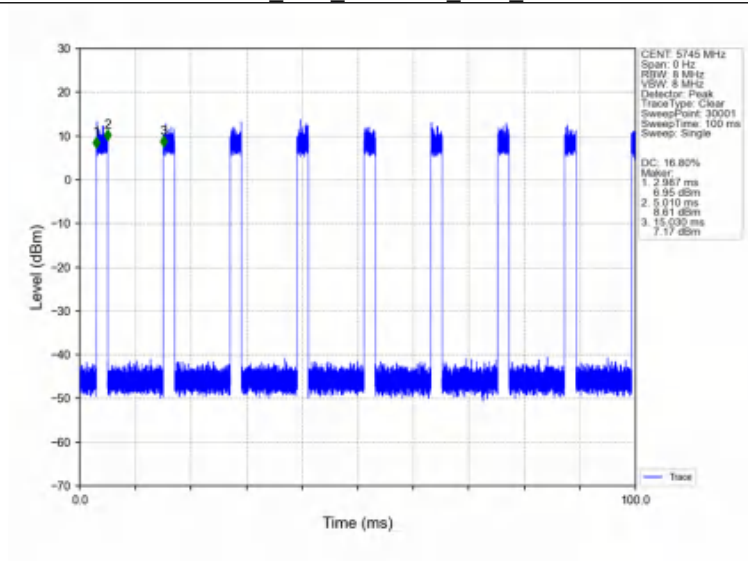
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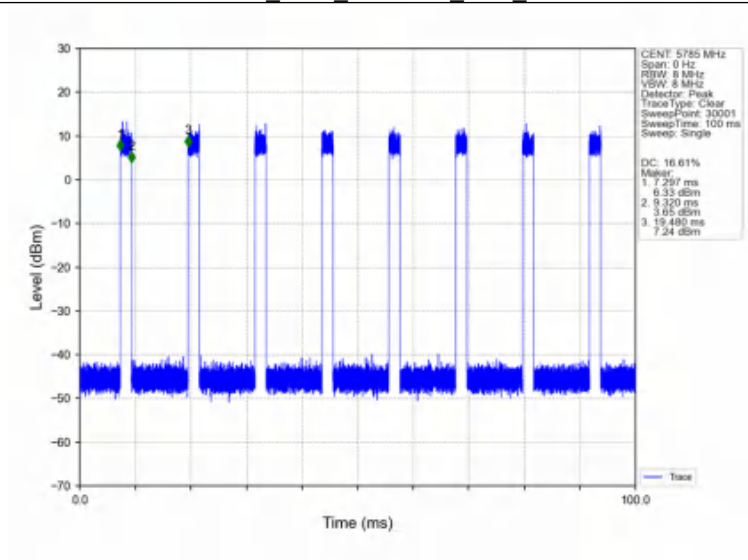
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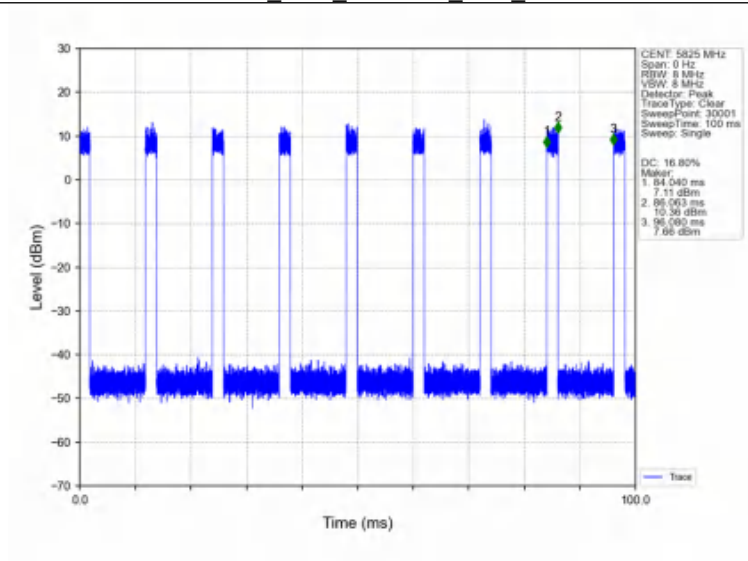
802.11a_LCH_5745MHz_Ant1_NTNV



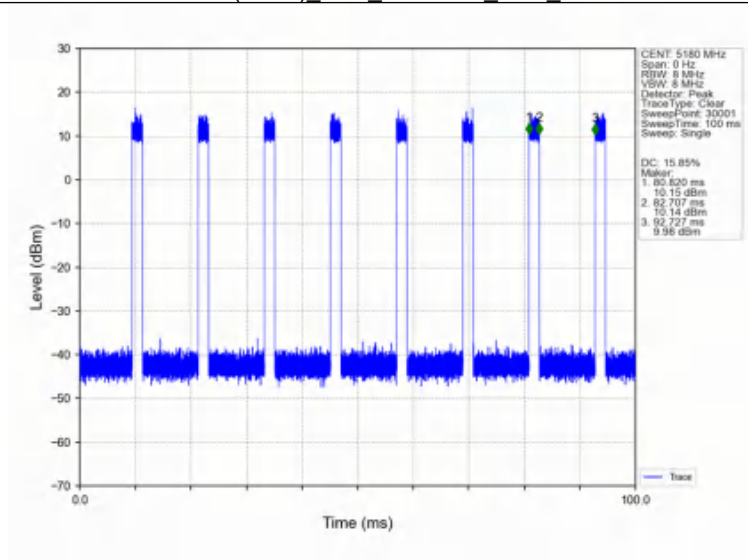
802.11a_MCH_5785MHz_Ant1_NTNV



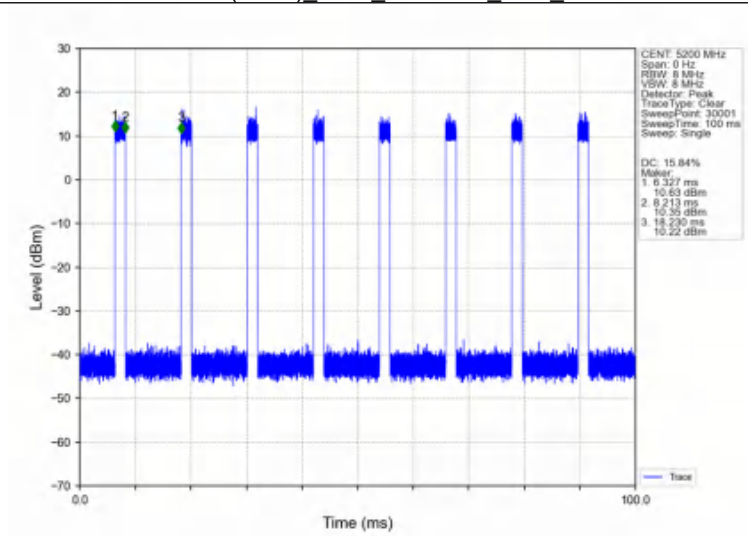
802.11a_HCH_5825MHz_Ant1_NTNV



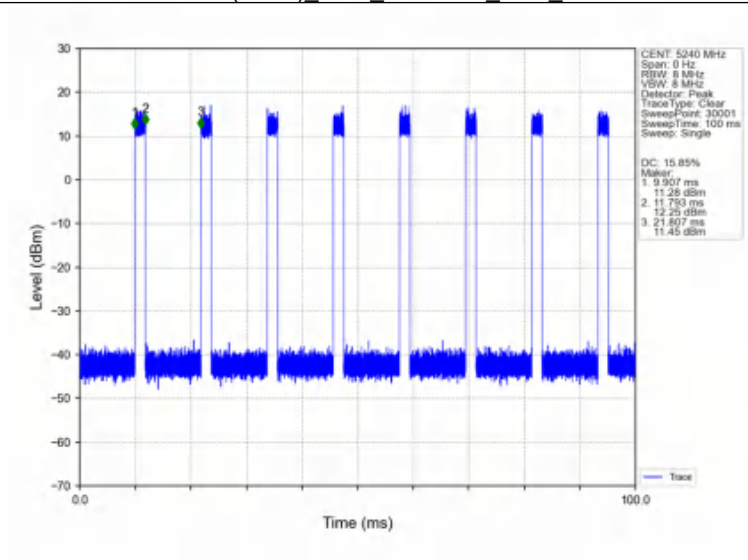
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



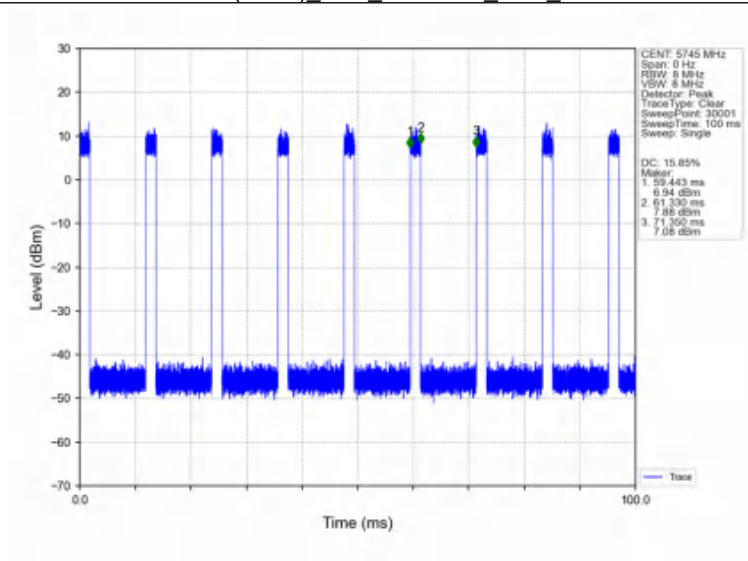
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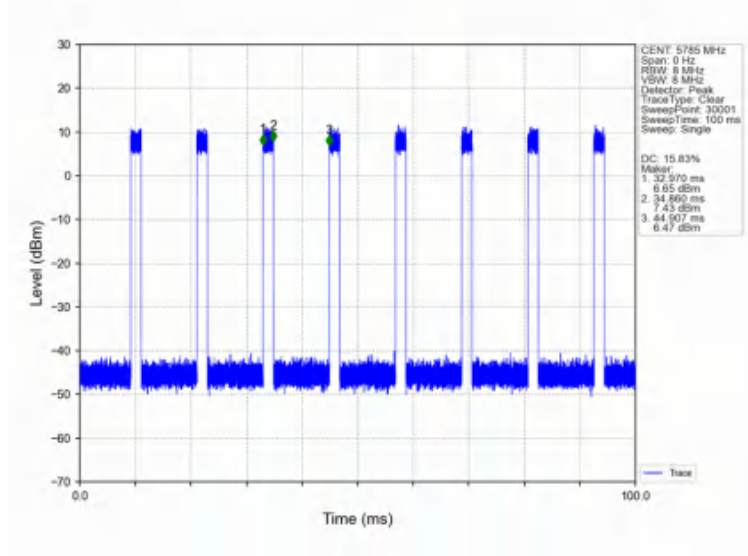
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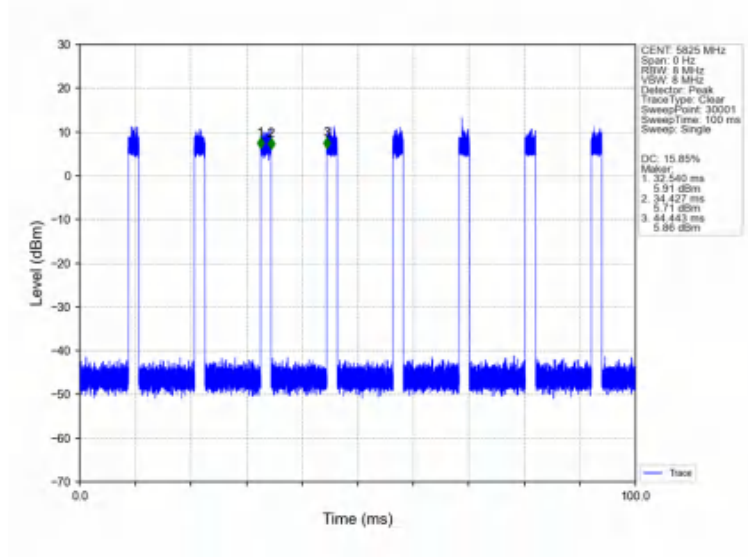
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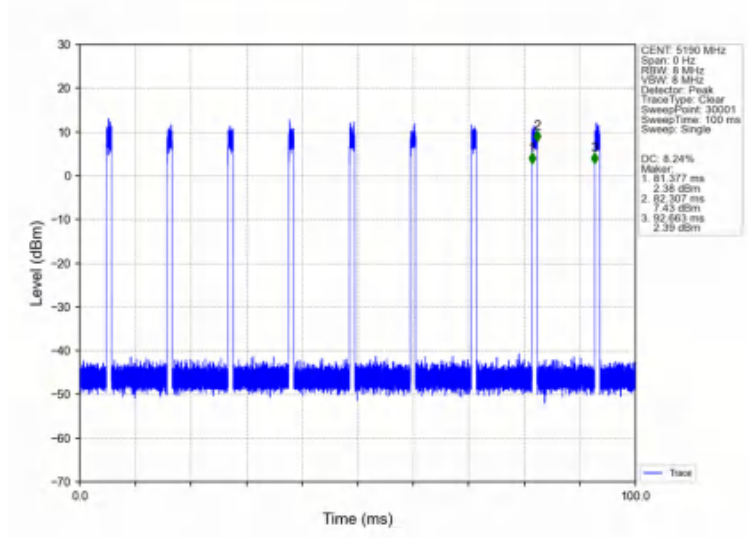
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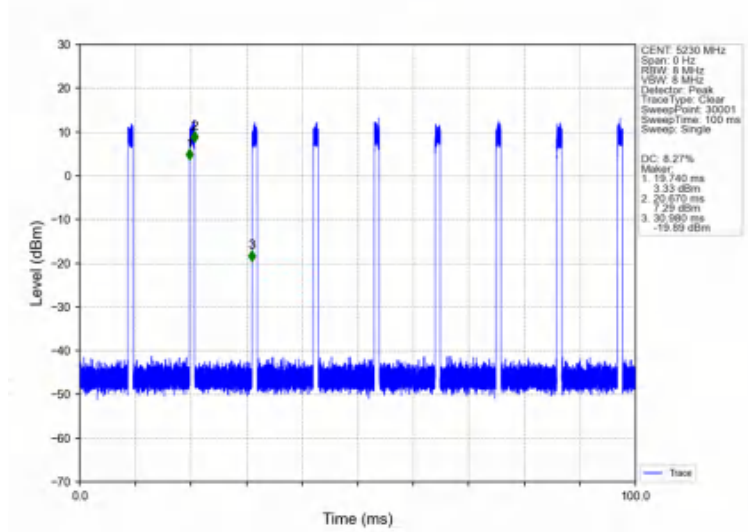
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



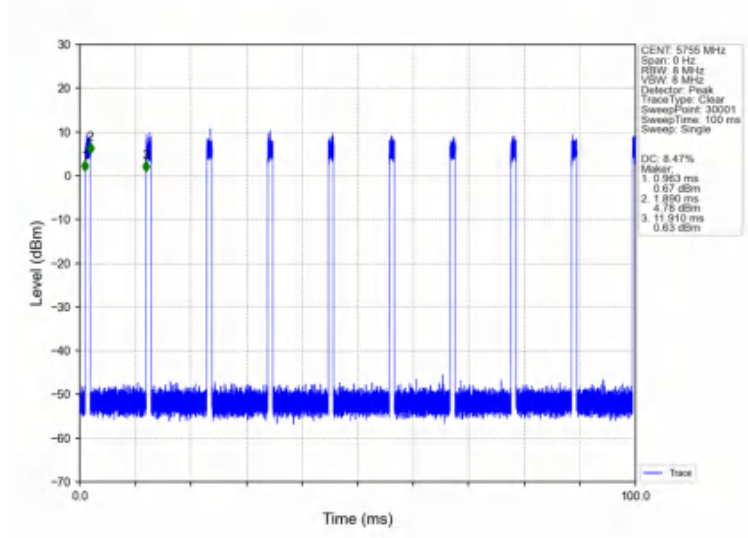
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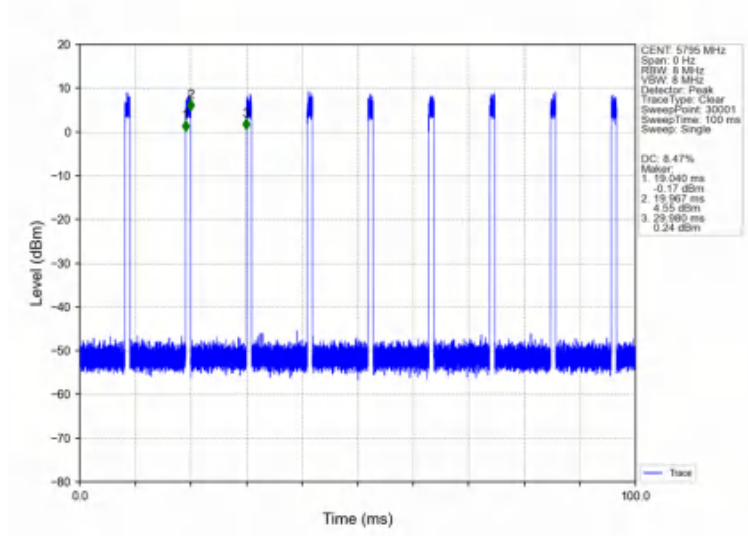
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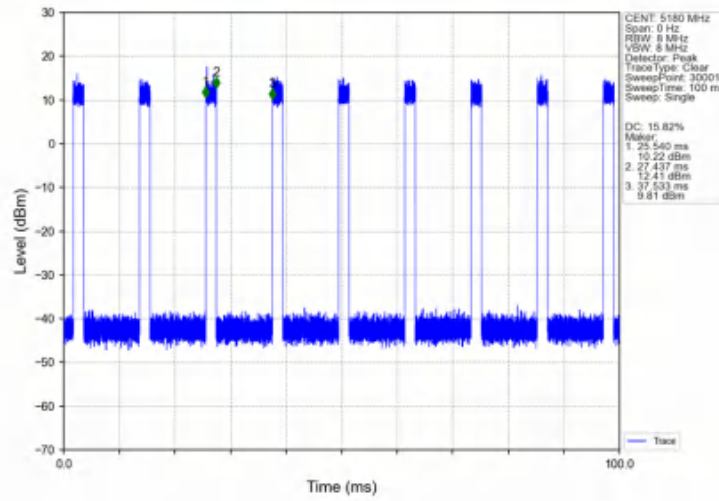
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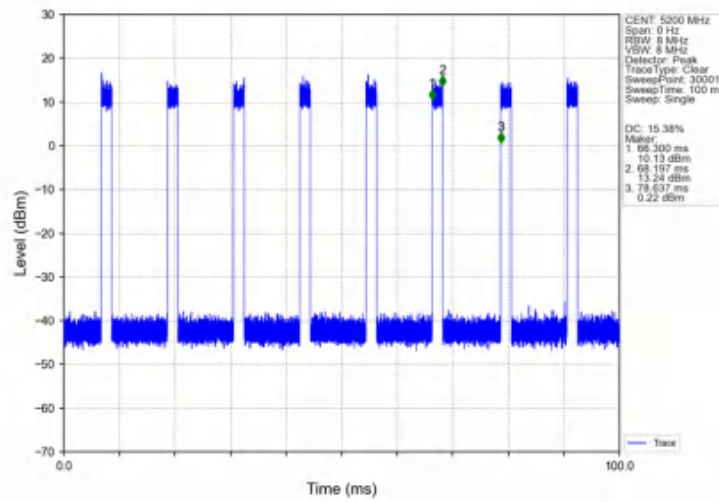
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



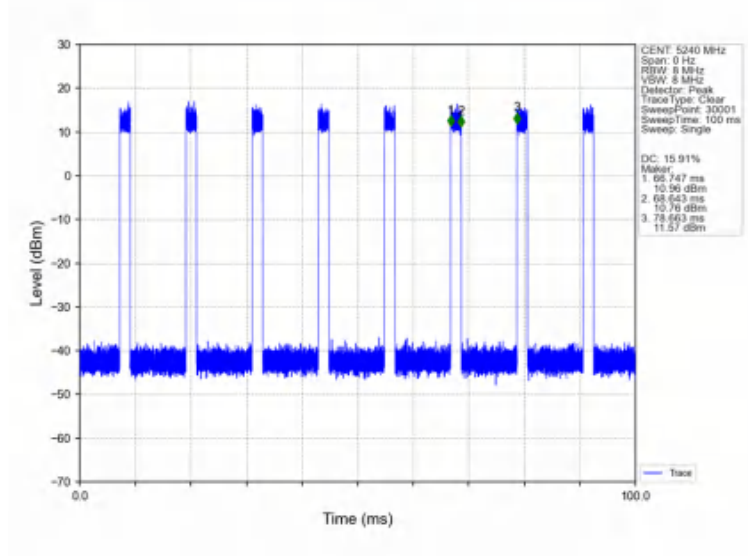
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



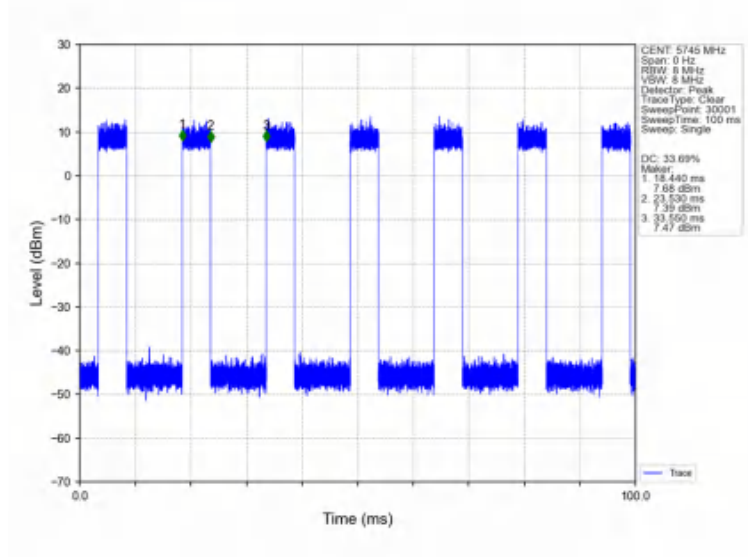
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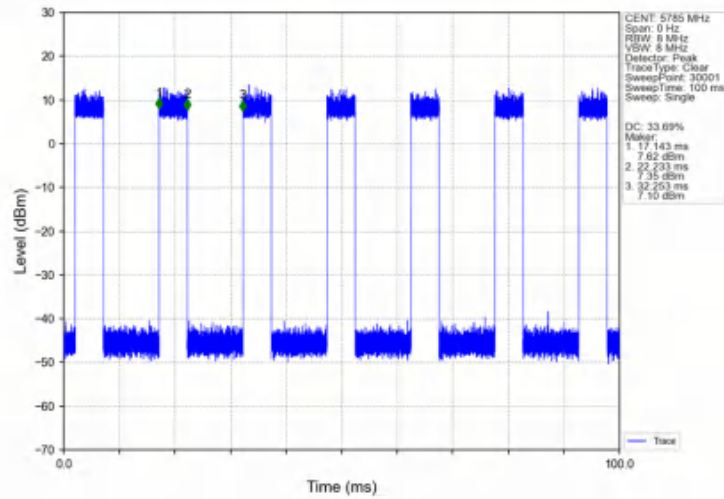
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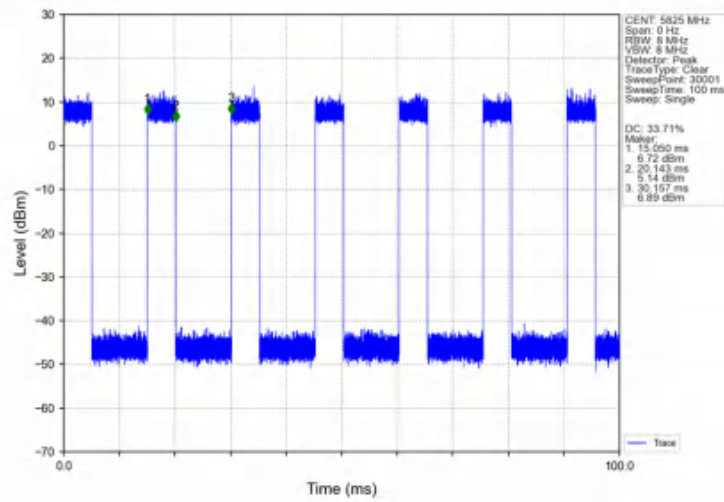
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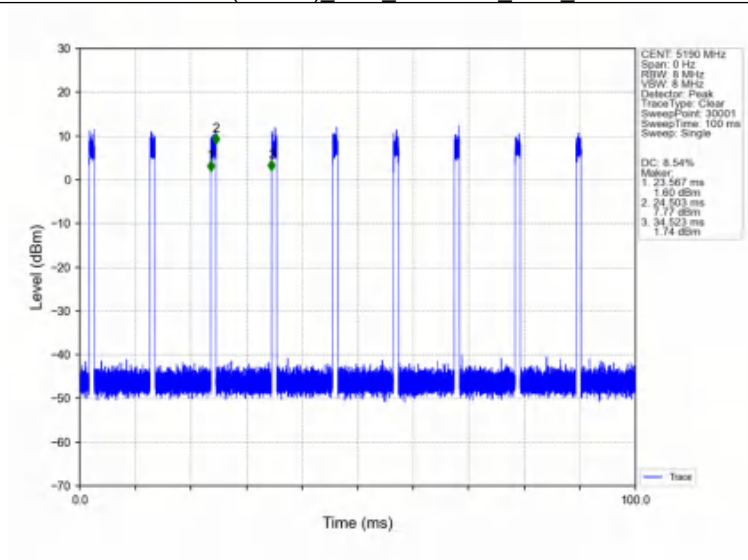
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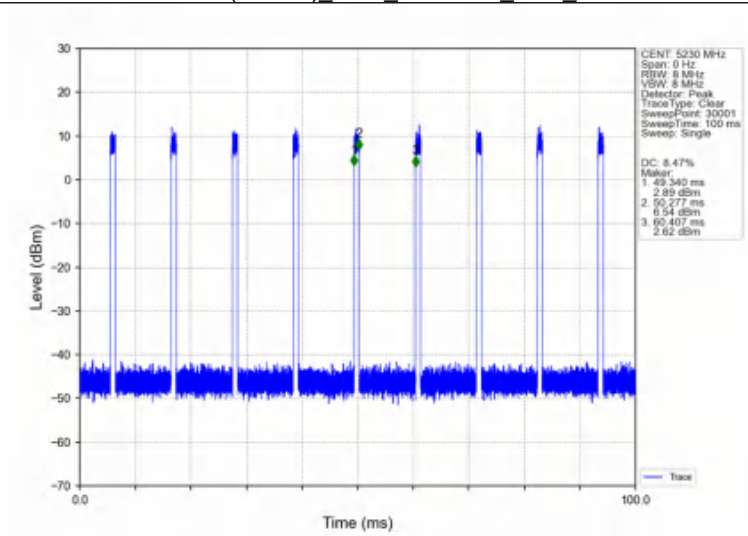
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



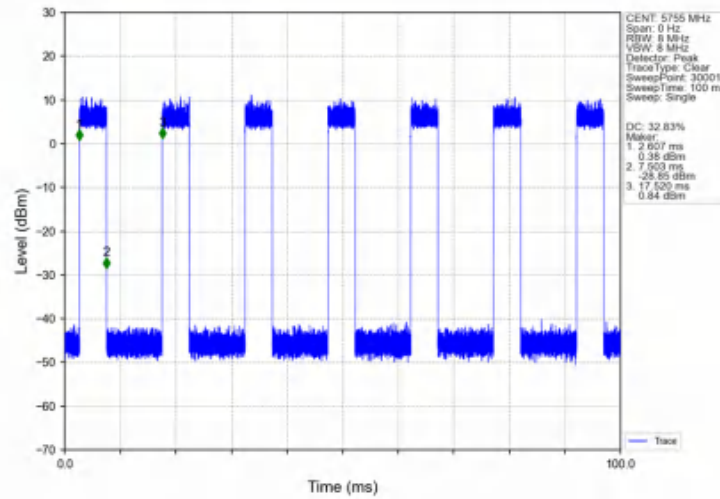
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



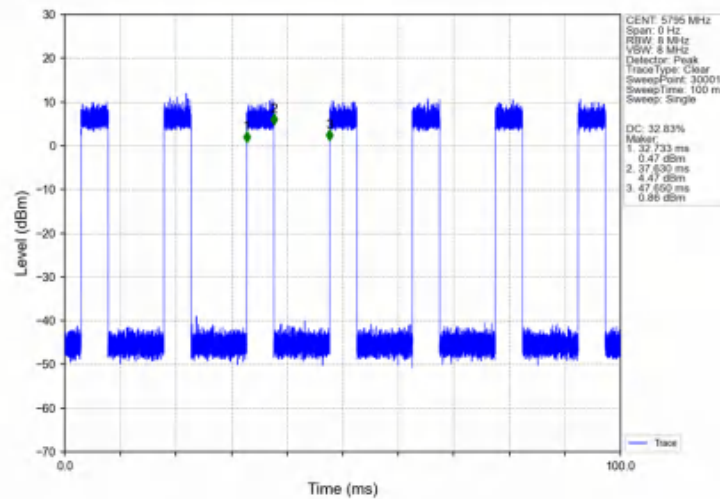
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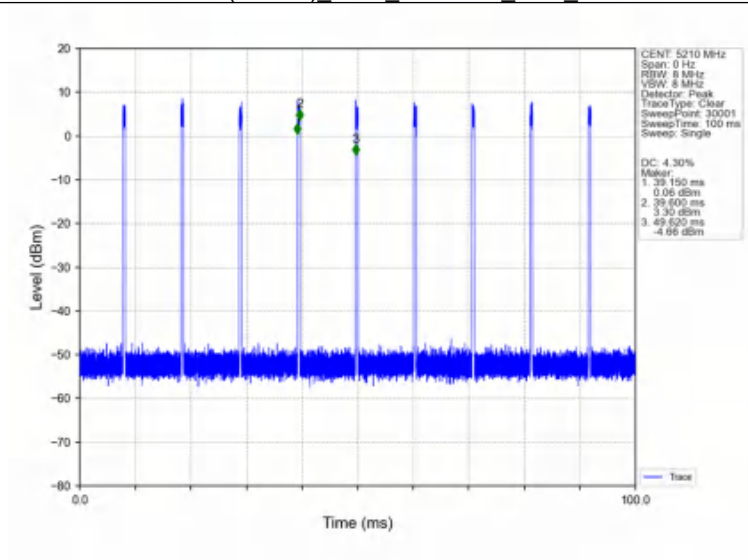
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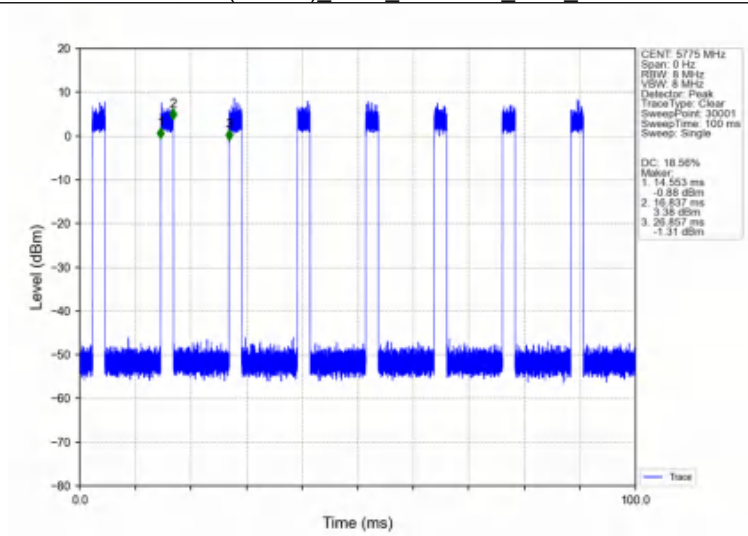
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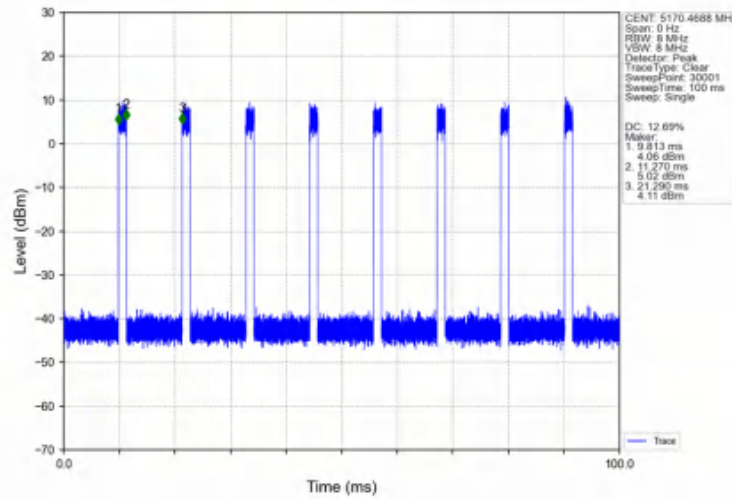
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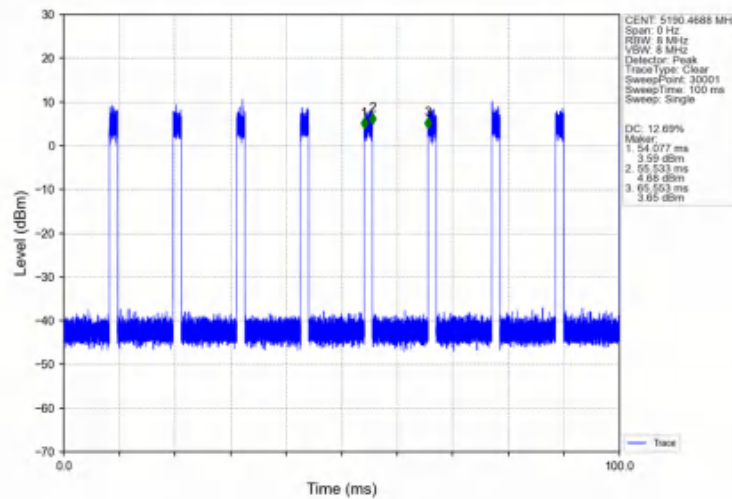
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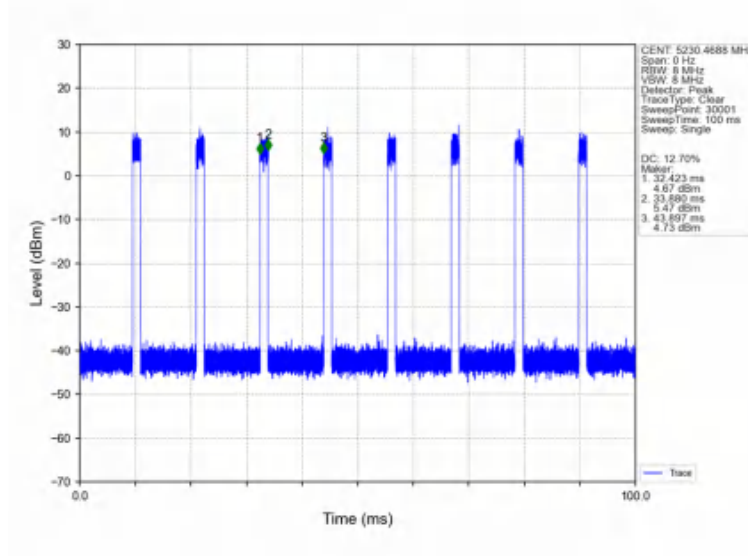
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



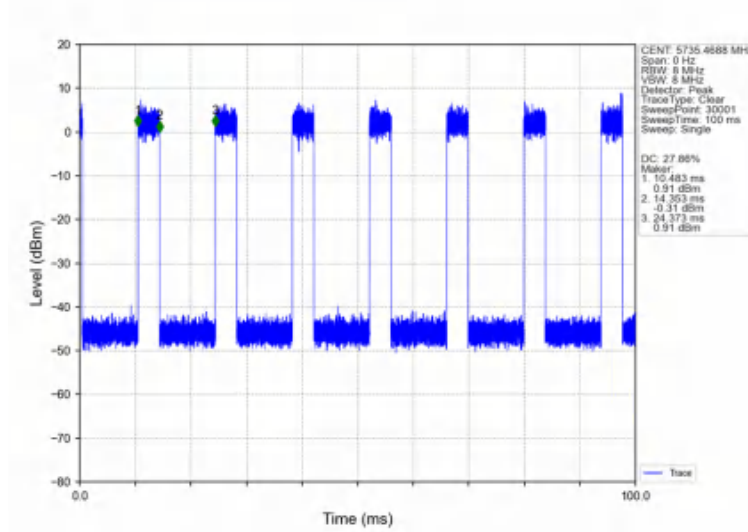
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



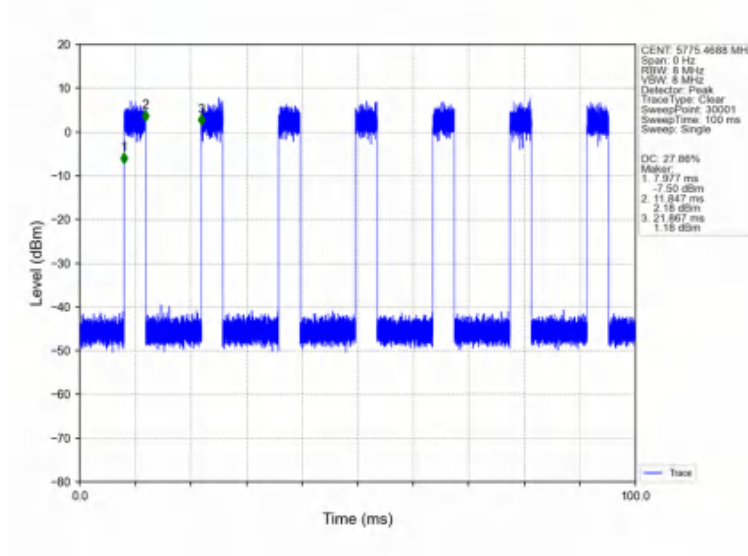
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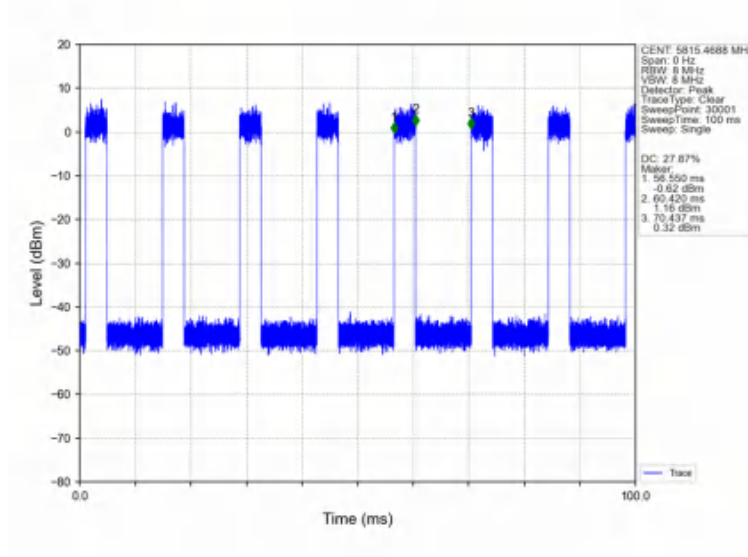
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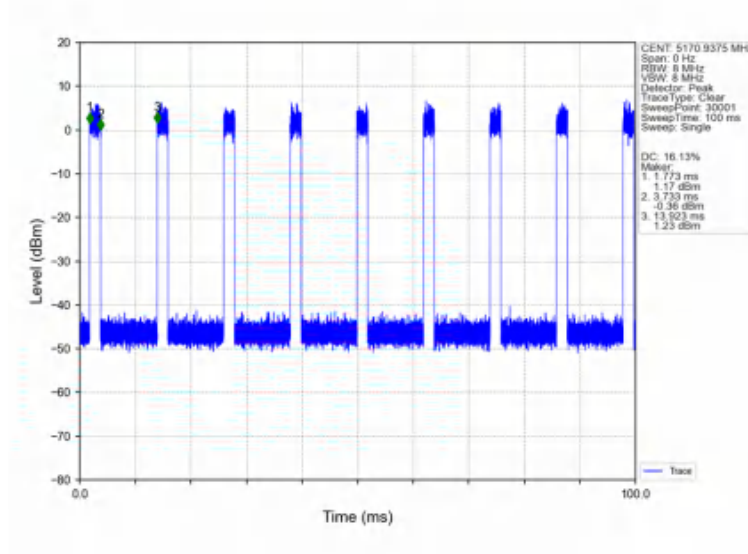
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1 NTNv



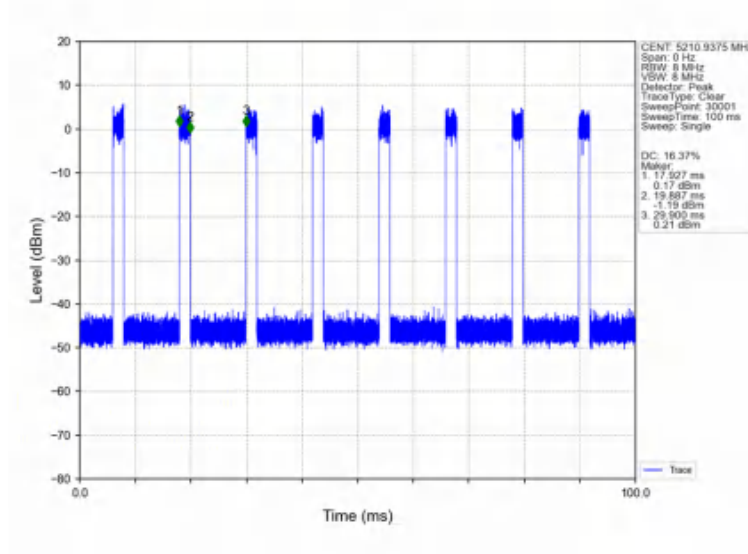
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1 NTNv



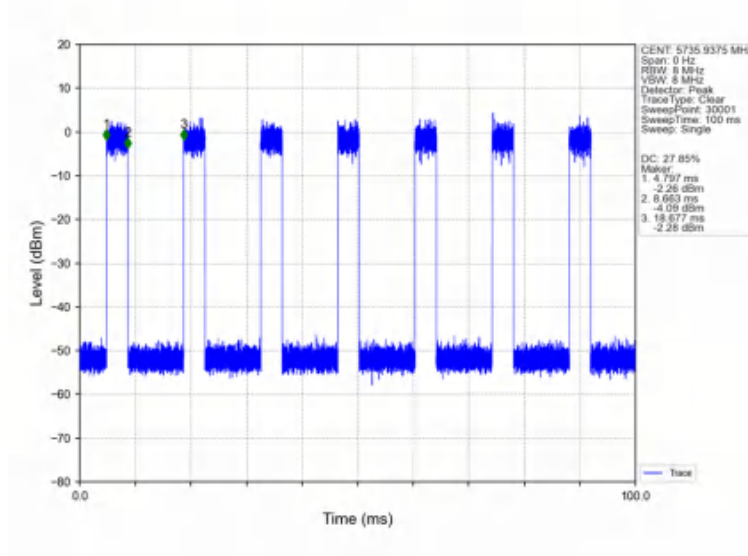
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



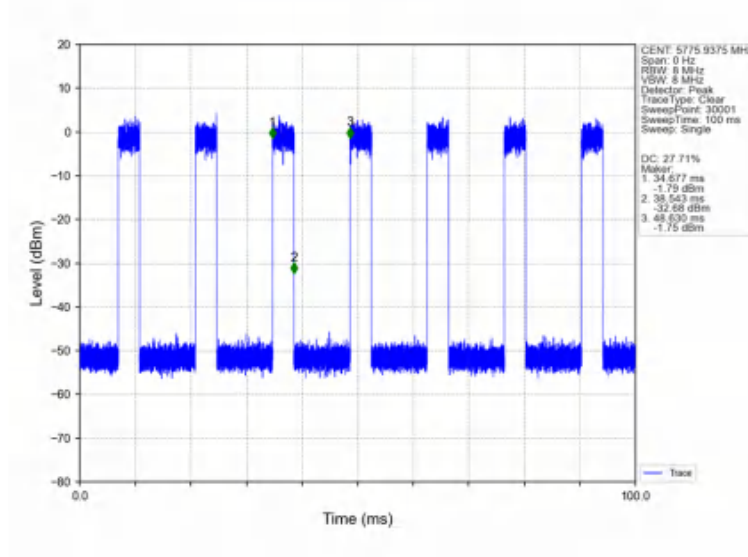
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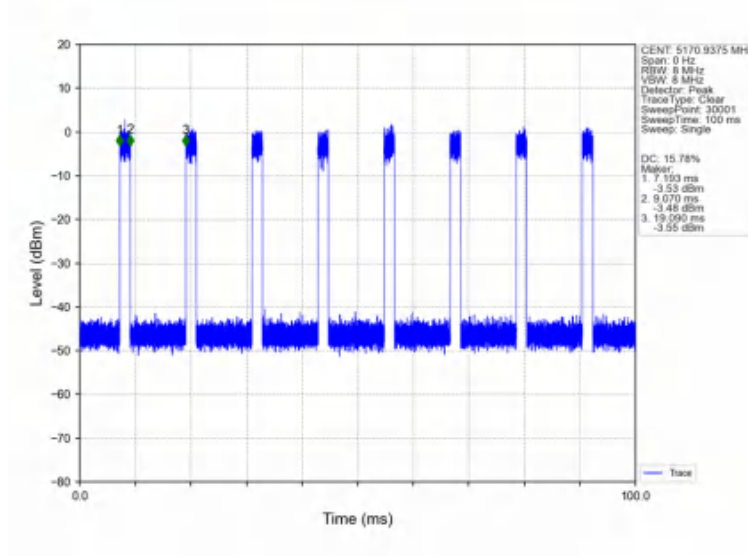
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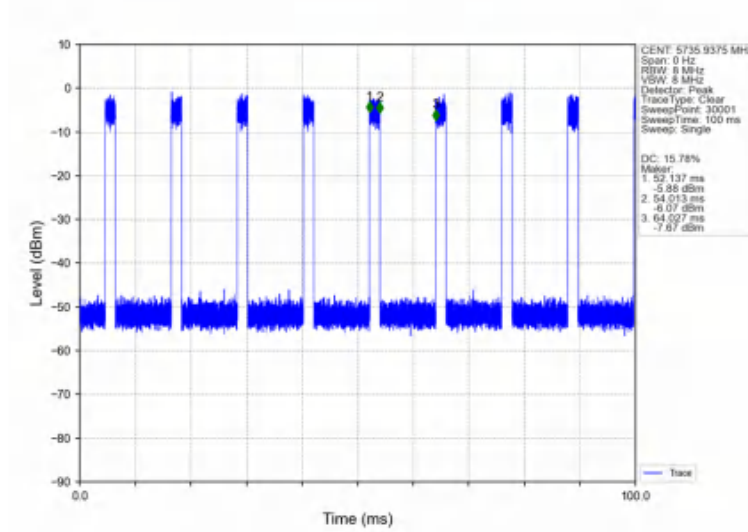
802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1 NTNv

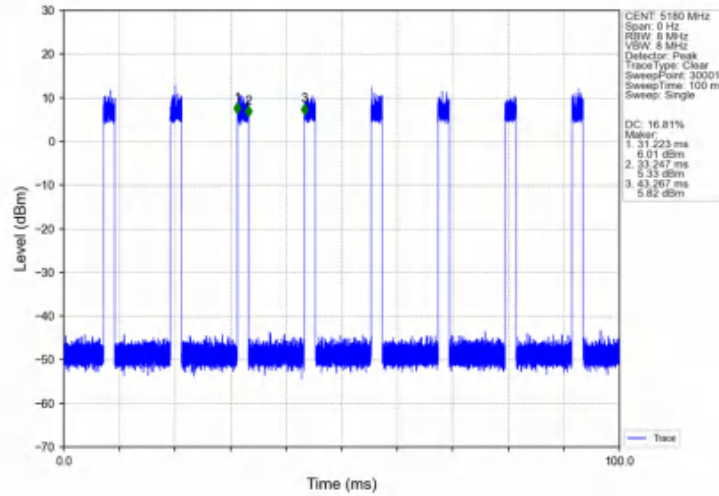


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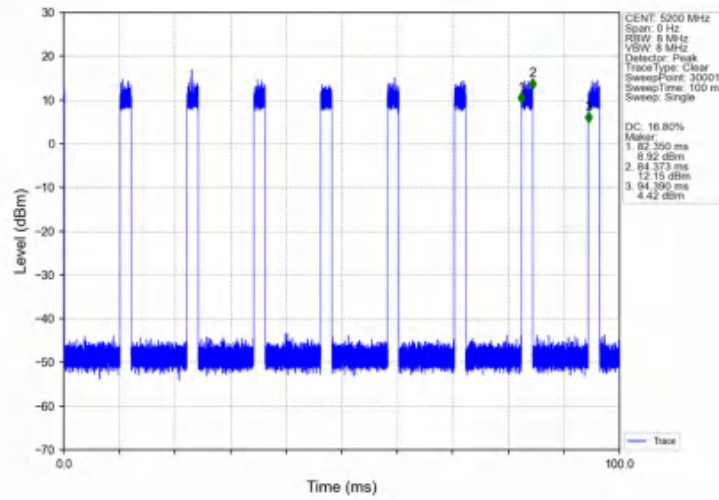


1.2.2 Ant2

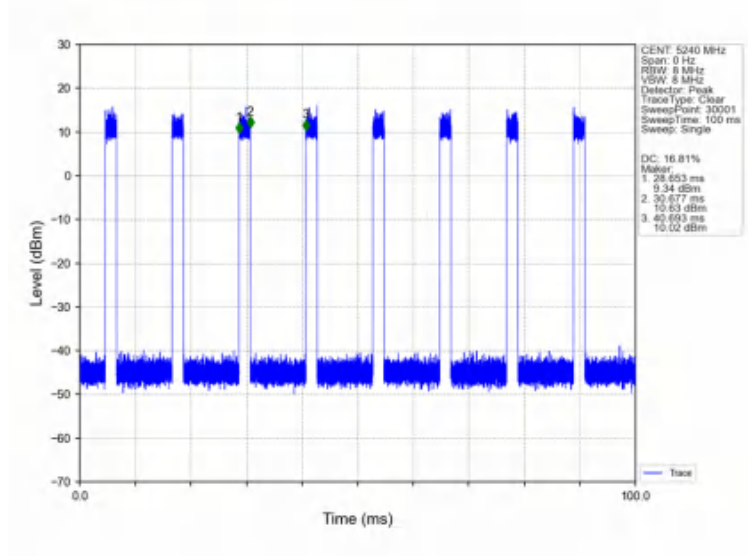
802.11a_LCH_5180MHz_Ant2_NTNV



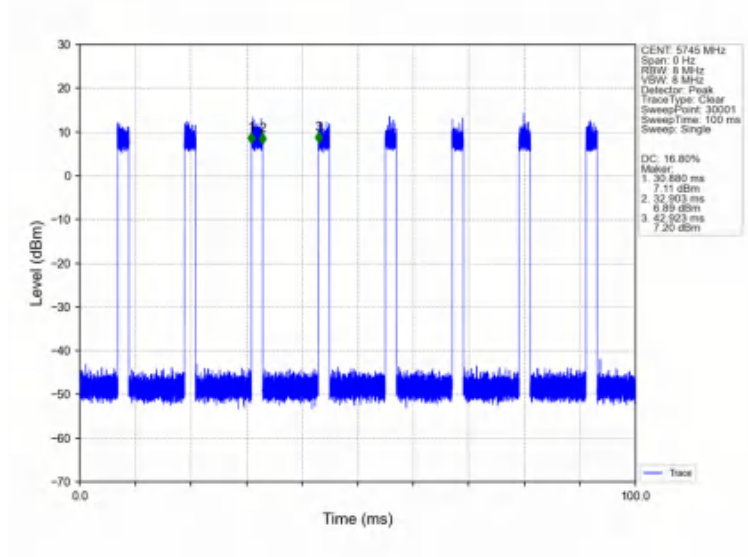
802.11a_MCH_5200MHz_Ant2_NTNV



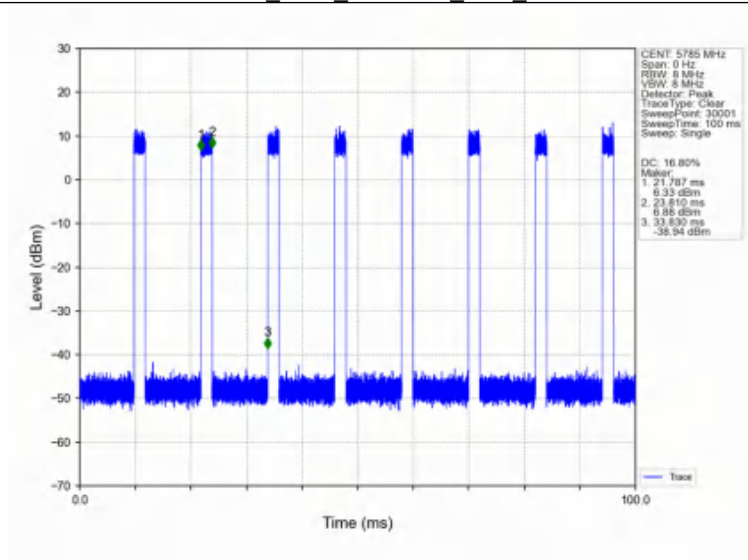
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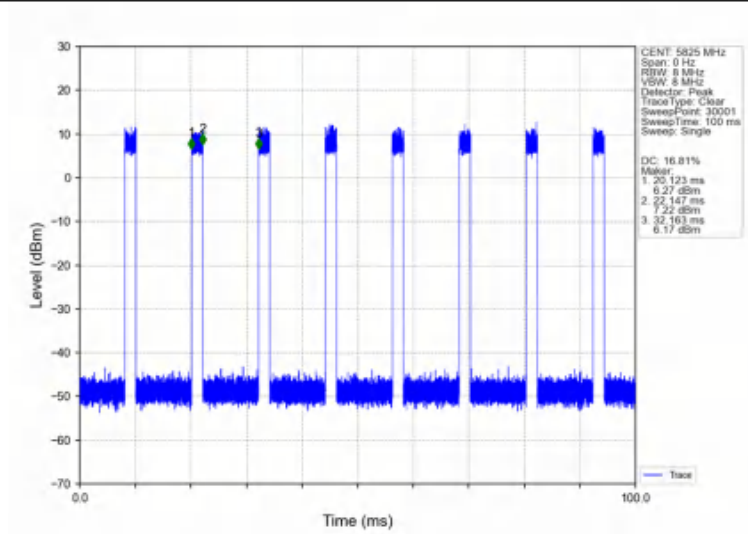
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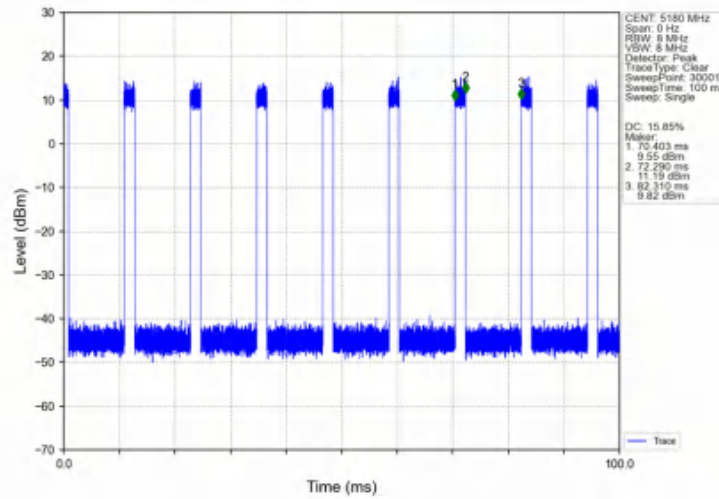
802.11a_MCH_5785MHz_Ant2_NTNV



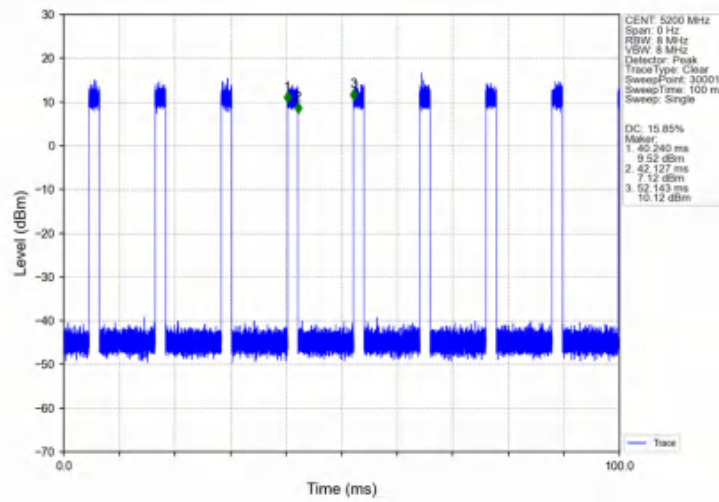
802.11a_HCH_5825MHz_Ant2_NTNV



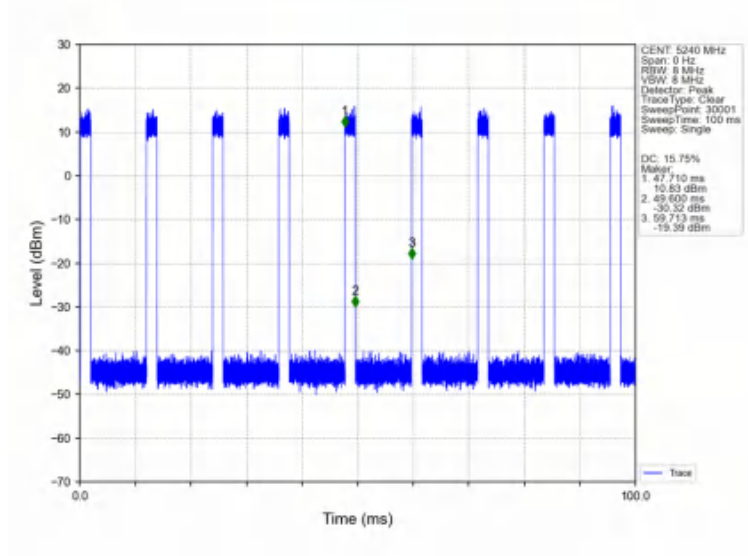
802.11n(HT20)_LCH_5180MHz_Ant2_NTNV



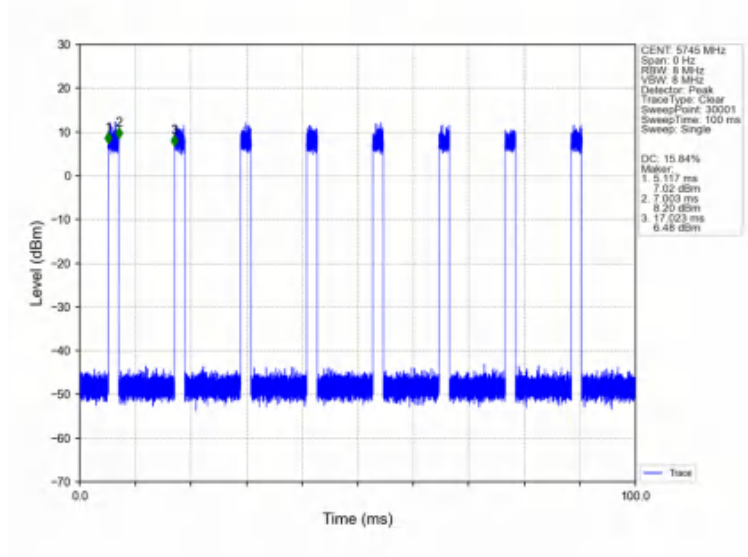
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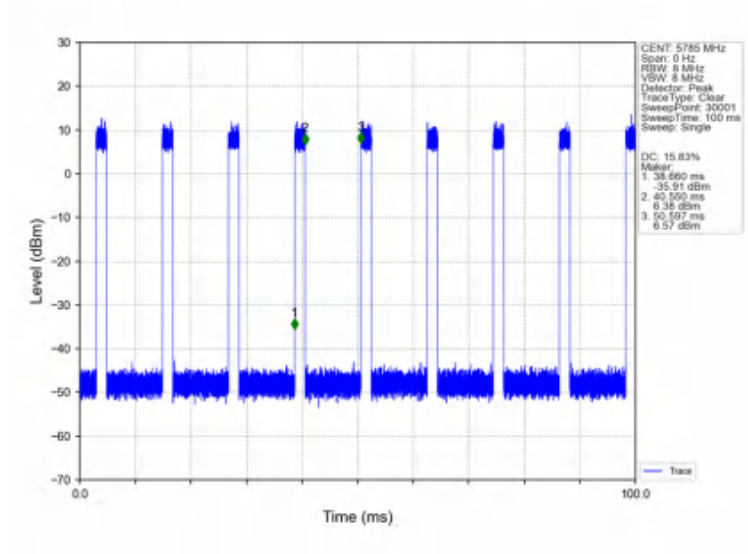
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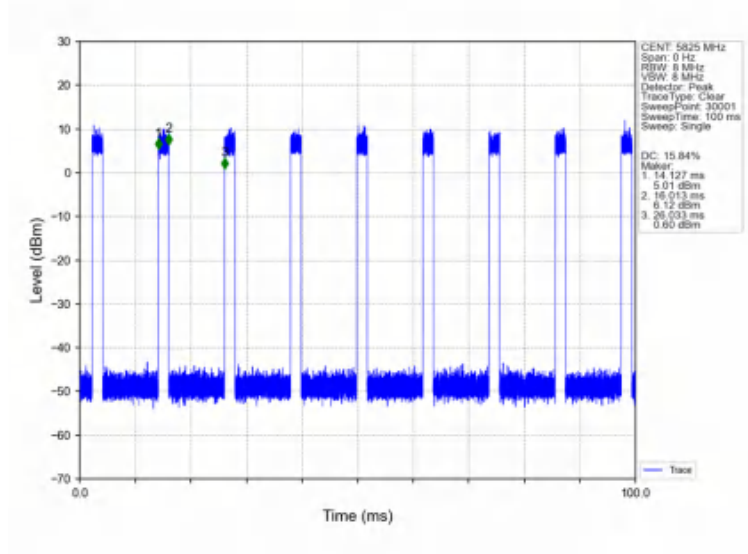
802.11n(HT20)_LCH_5745MHz_Ant2_NTNV



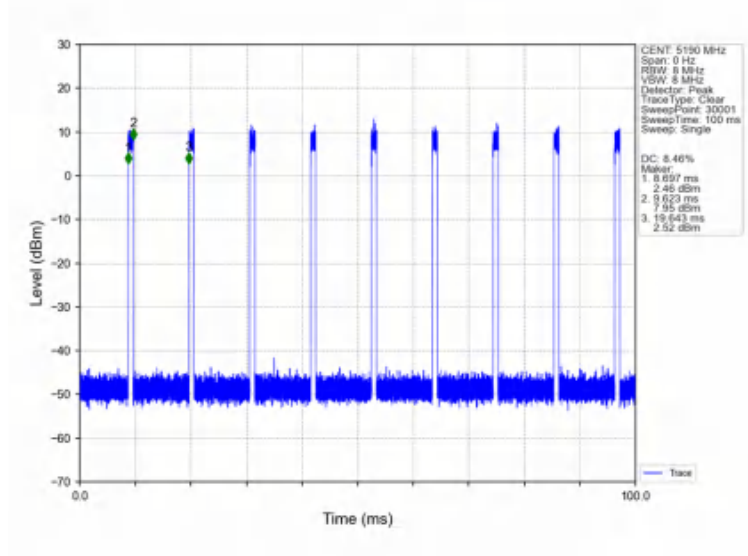
802.11n(HT20)_MCH_5785MHz_Ant2_NTNV



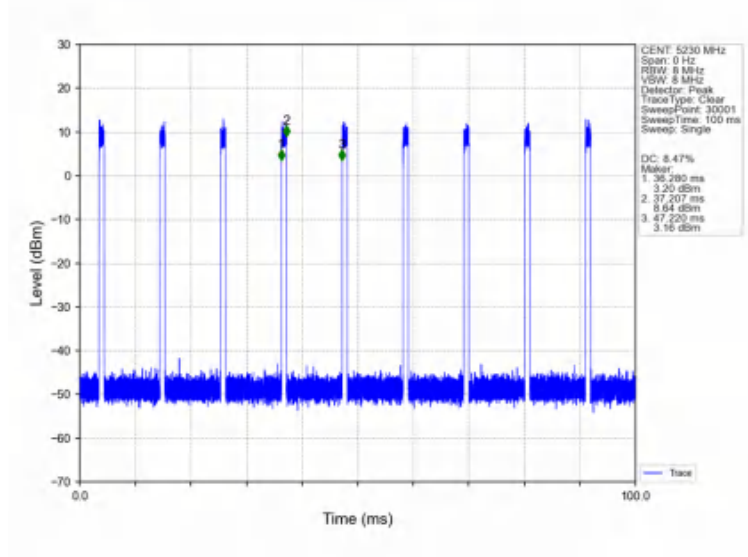
802.11n(HT20)_HCH_5825MHz_Ant2_NTNV



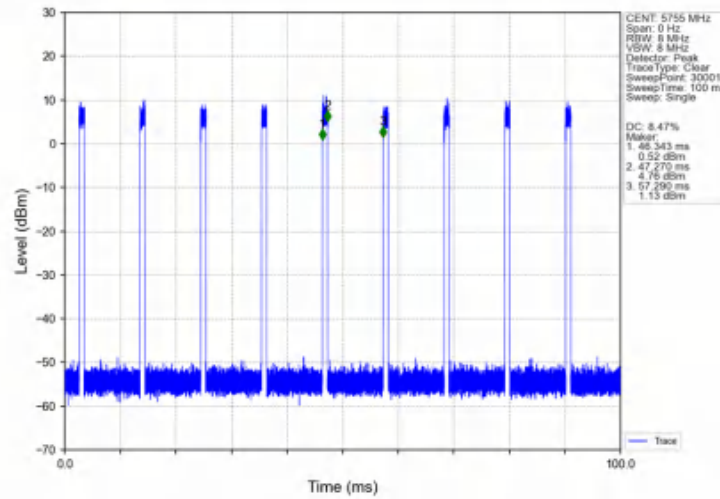
802.11n(HT40) LCH_5190MHz_Ant2_NTNV



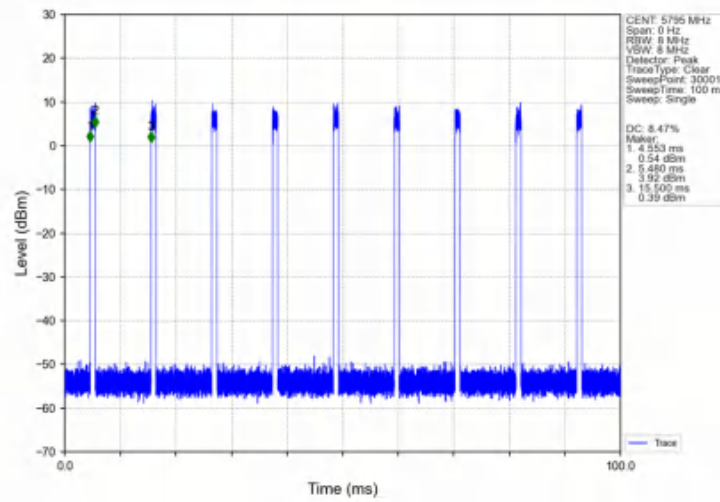
802.11n(HT40) HCH_5230MHz_Ant2_NTNV



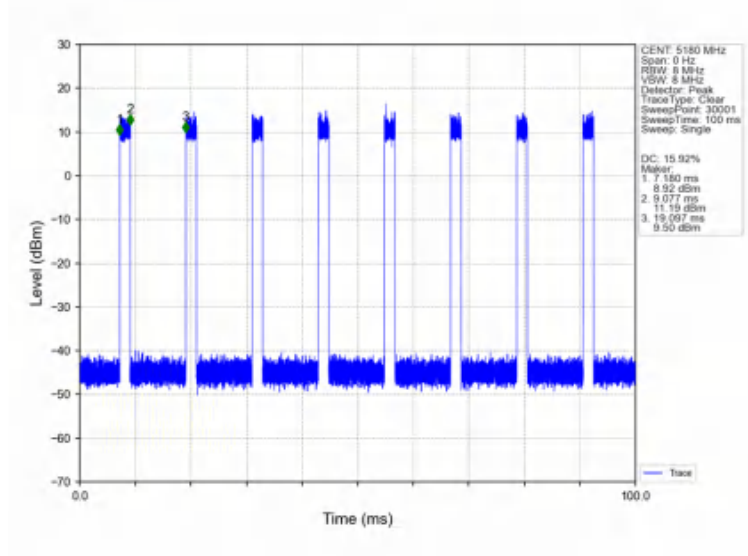
802.11n(HT40) LCH_5755MHz_Ant2_NTNV



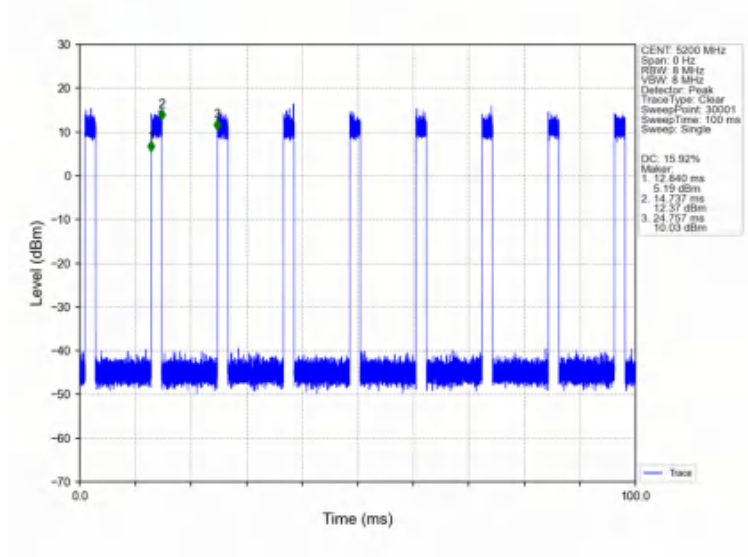
802.11n(HT40) HCH_5795MHz_Ant2_NTNV



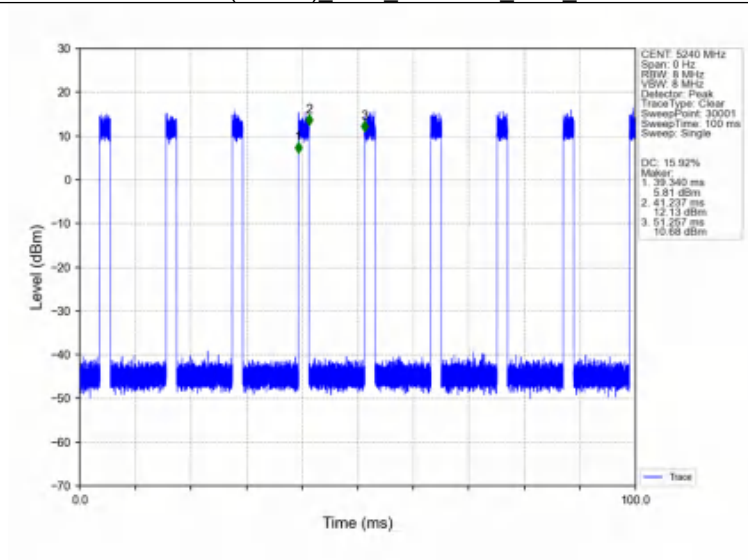
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



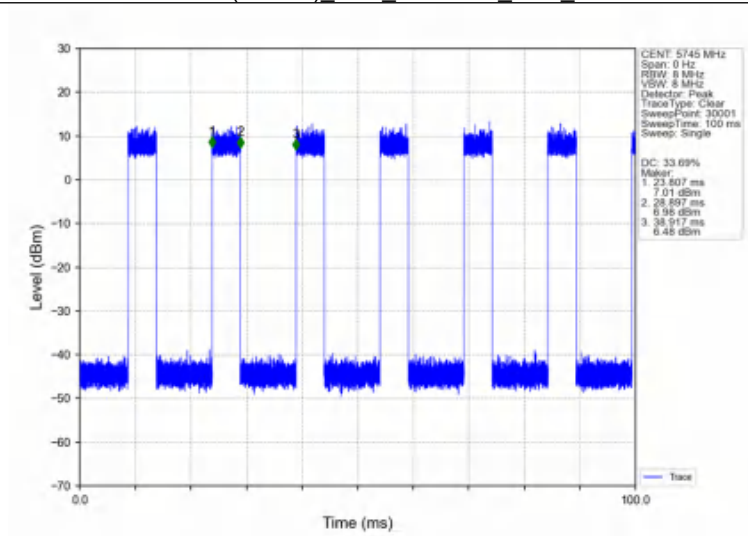
802.11ac(VHT20)_MCH_5200MHz_Ant2_NTNV



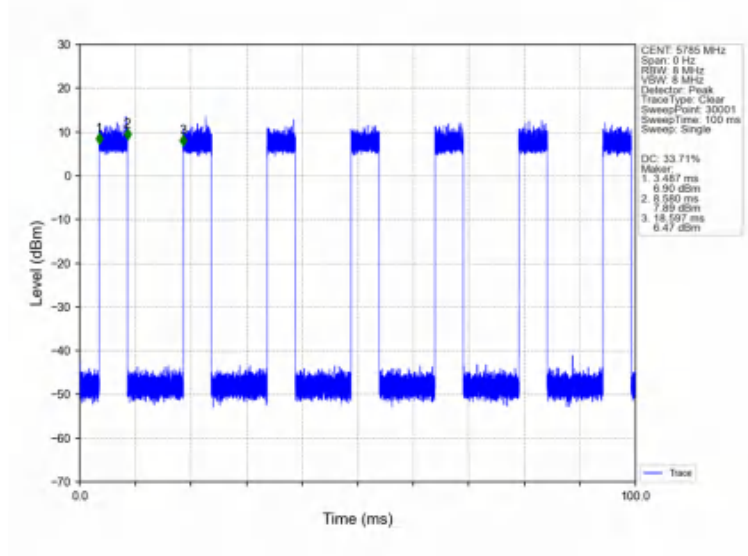
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



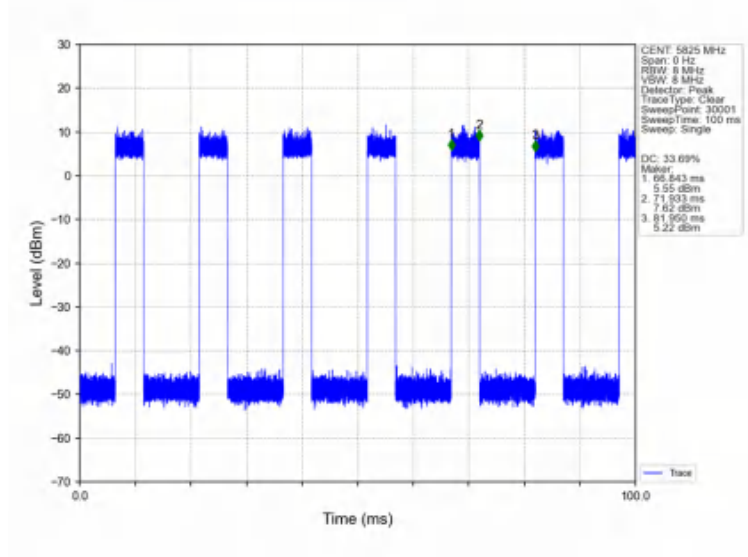
802.11ac(VHT20)_LCH_5745MHz_Ant2_NTNV



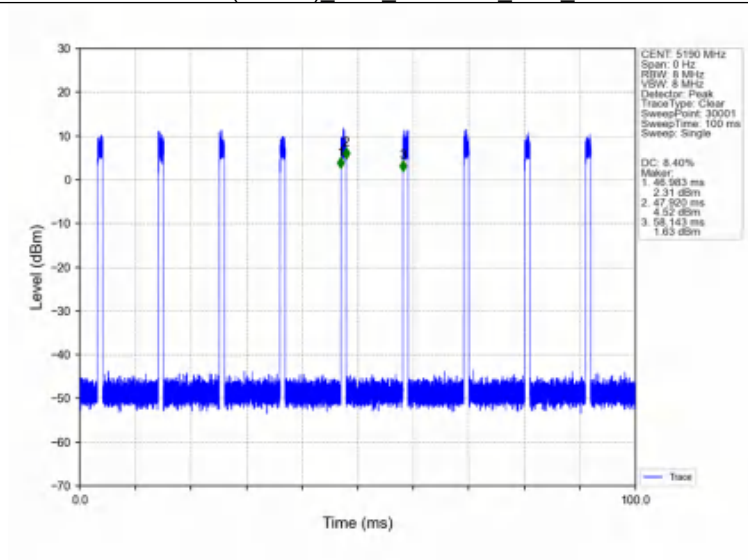
802.11ac(VHT20)_MCH_5785MHz_Ant2_NTNV



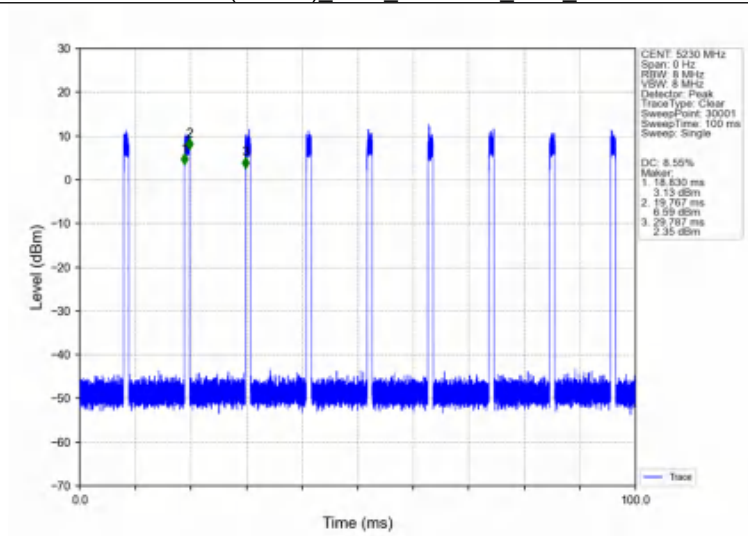
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



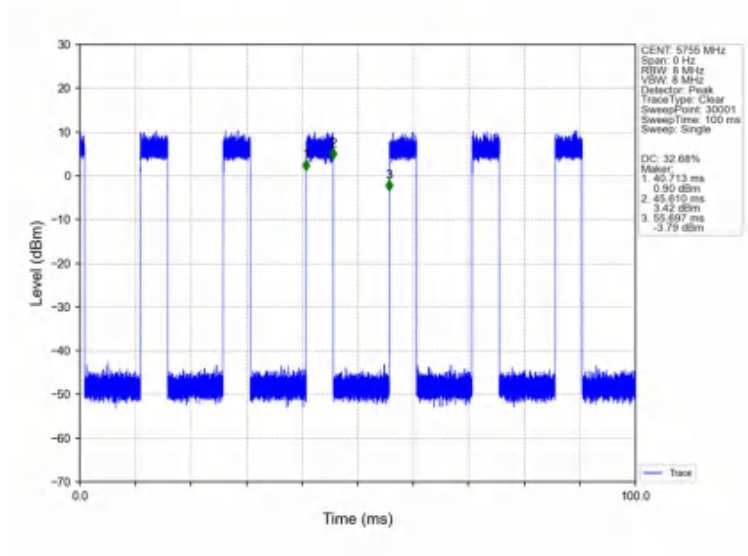
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



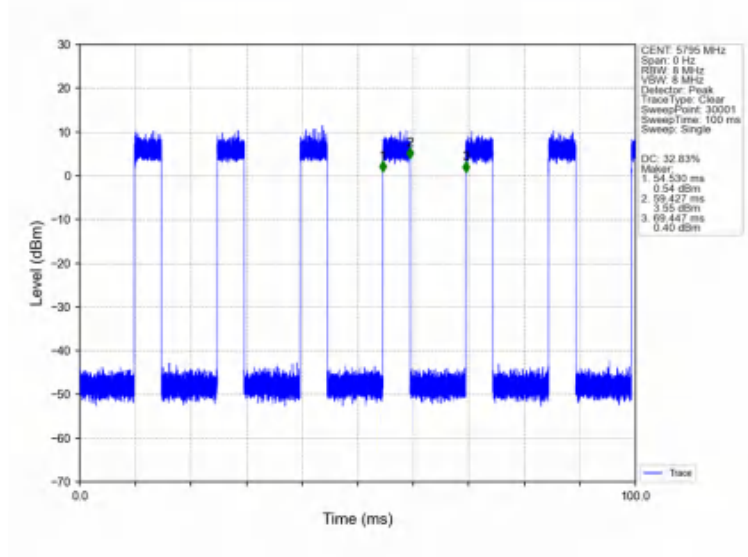
802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV



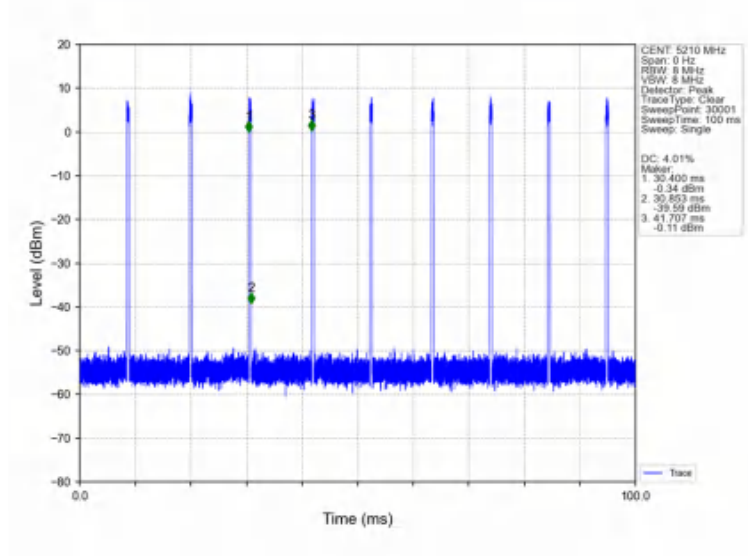
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



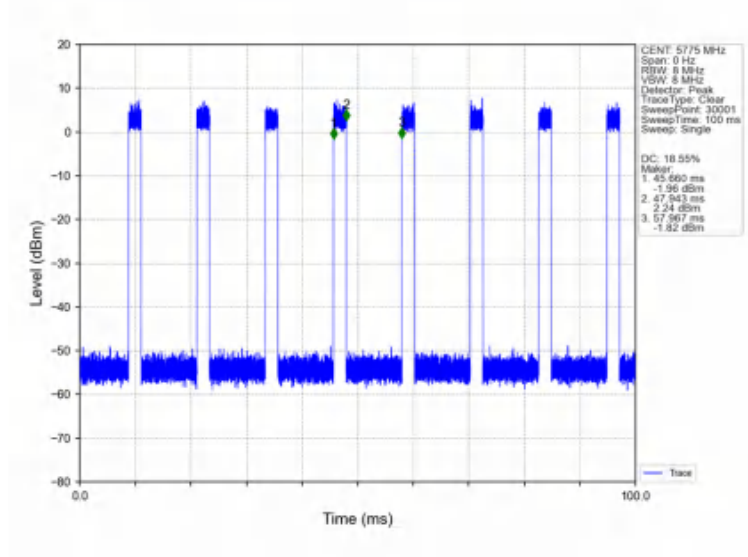
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



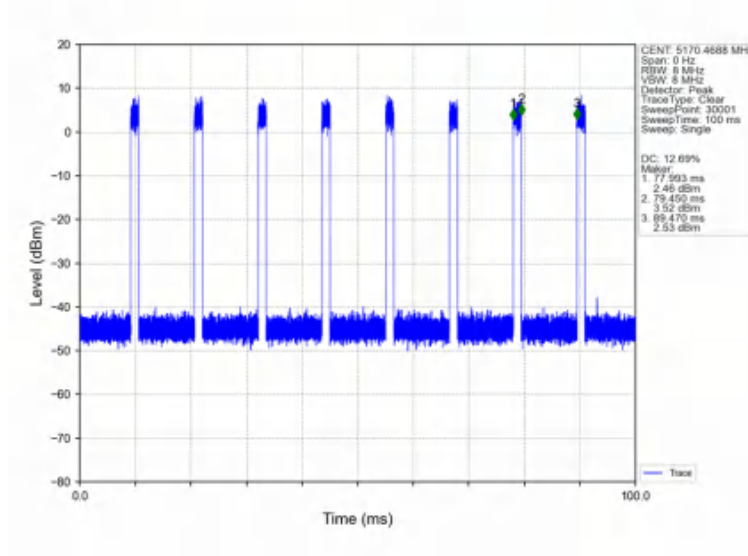
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



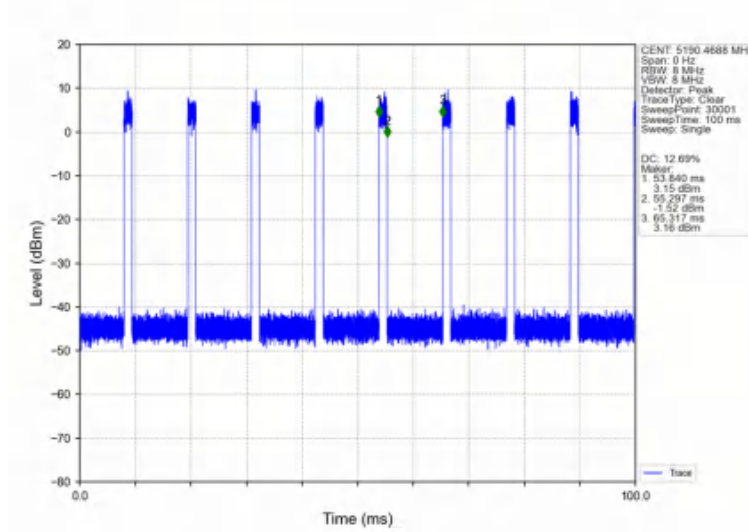
802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



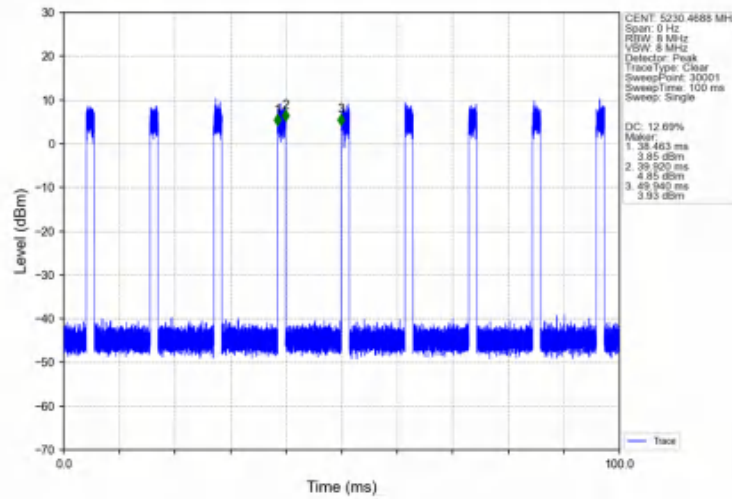
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant2_NTNV



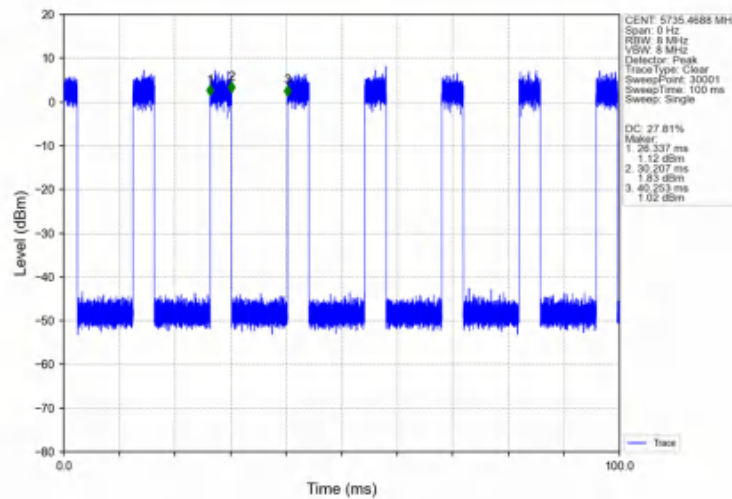
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant2_NTNV



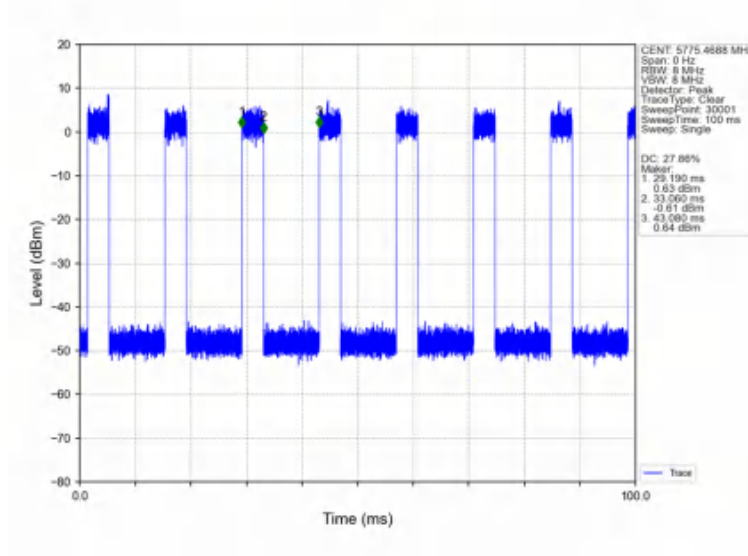
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant2 NTNv



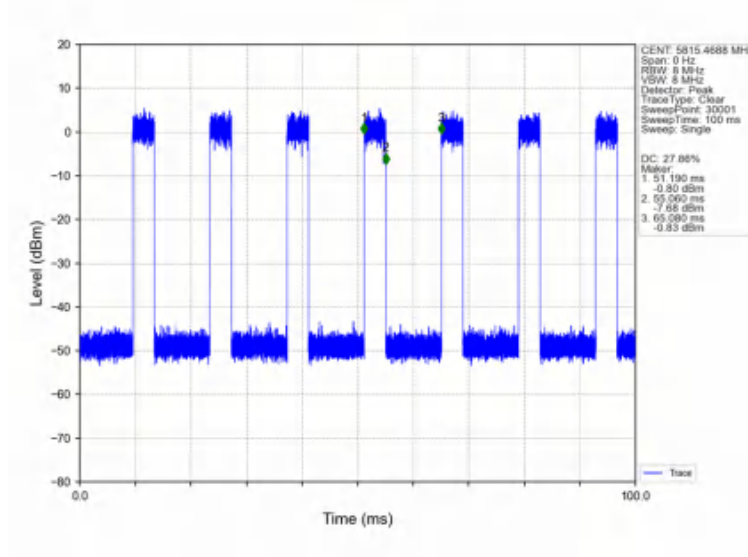
802.11ax(HEW20)_LCH_5745MHz_SU_ / Ant2 NTNv



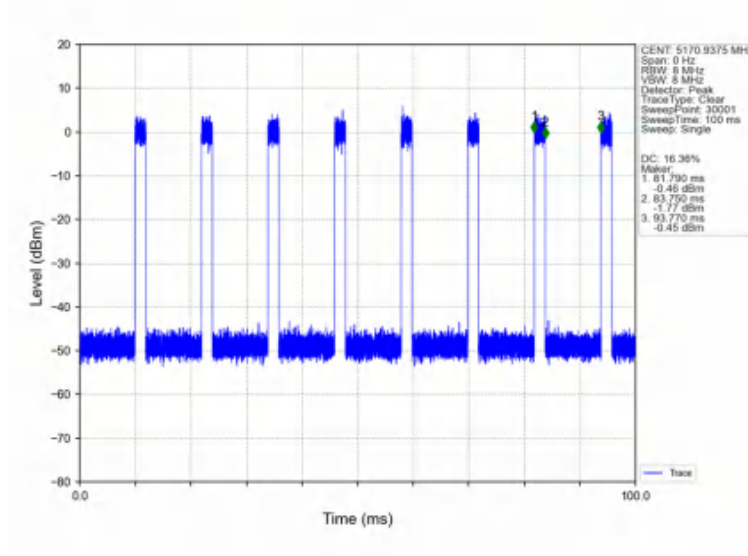
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant2 NTNv



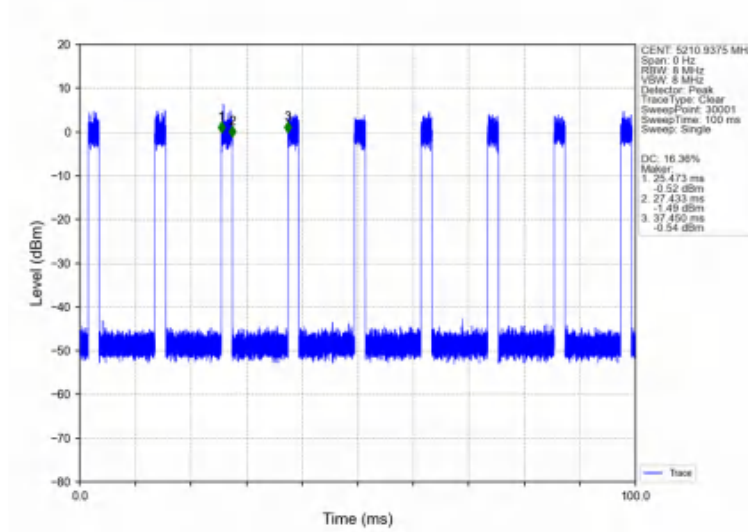
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant2 NTNv



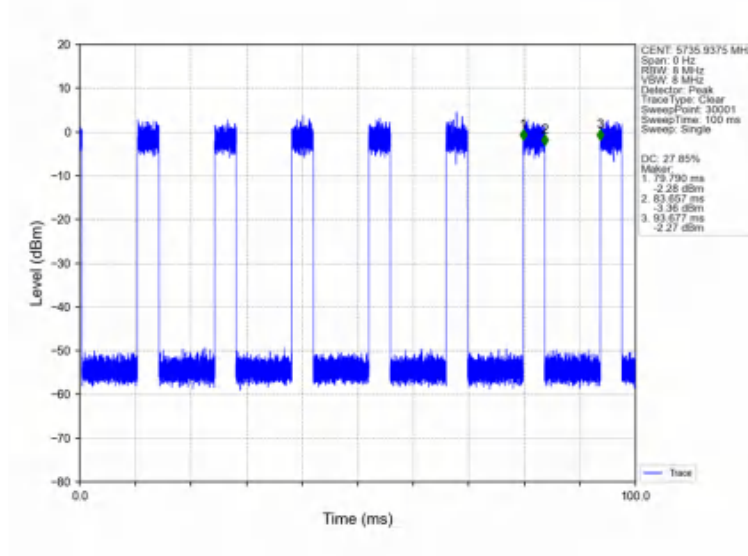
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant2_NTNV



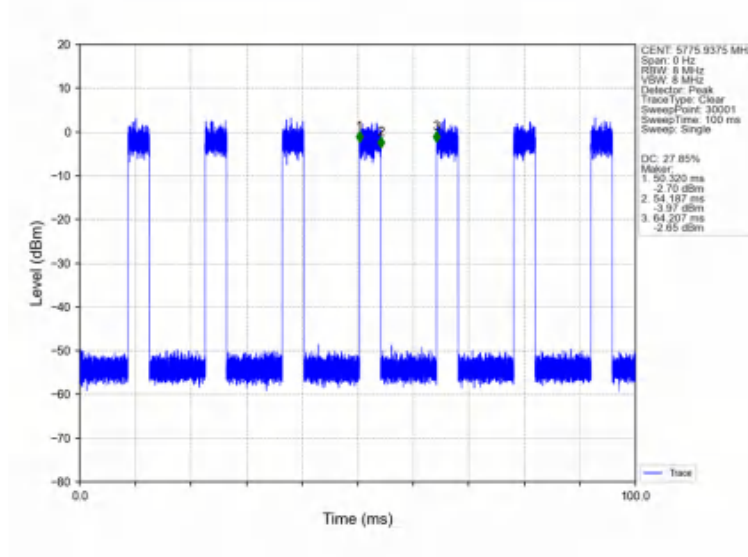
802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant2_NTNV



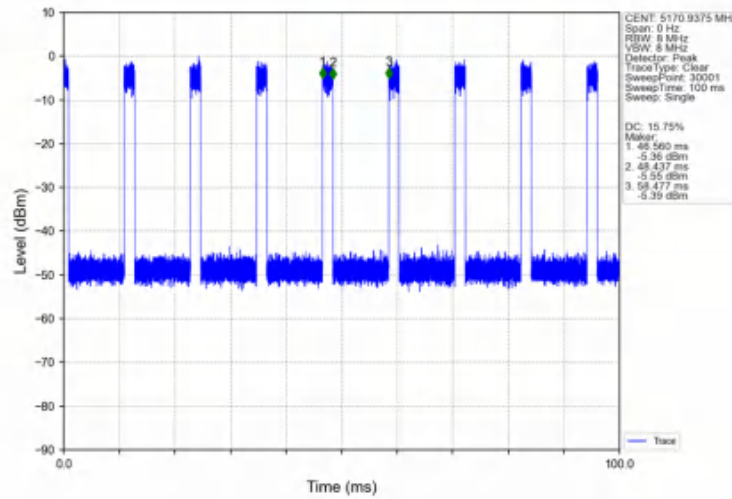
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant2_NTNV



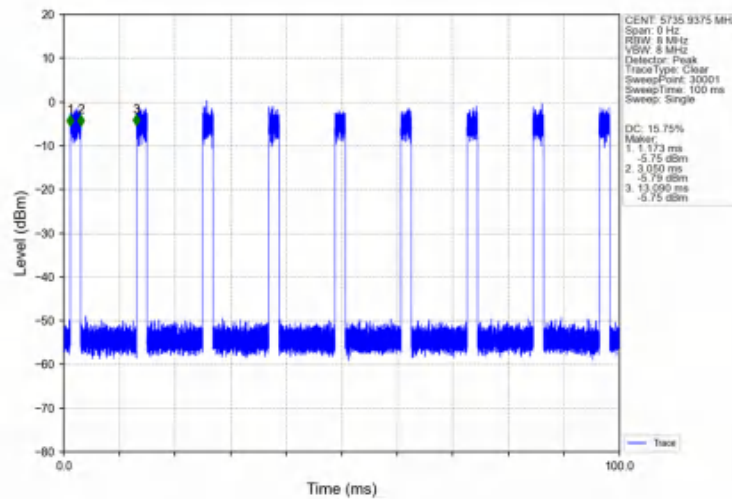
802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant2_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant2 NTNv



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant2 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	16.356	/	Pass
		5200	/	/	1	16.394	/	Pass
		5240	/	/	1	16.414	/	Pass
		5745	/	/	1	16.354	/	Pass
		5785	/	/	1	16.393	/	Pass
		5825	/	/	1	16.400	/	Pass
802.11n (HT20)	MIMO	5180	/	/	1	17.574	/	Pass
		5200	/	/	1	17.577	/	Pass
		5240	/	/	1	17.580	/	Pass
		5745	/	/	1	17.568	/	Pass
		5785	/	/	1	17.576	/	Pass
		5825	/	/	1	17.602	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	36.314	/	Pass
		5230	/	/	1	36.201	/	Pass
		5755	/	/	1	36.220	/	Pass
		5795	/	/	1	36.091	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	17.610	/	Pass
		5200	/	/	1	17.579	/	Pass
		5240	/	/	1	17.570	/	Pass
		5745	/	/	1	17.554	/	Pass
		5785	/	/	1	17.585	/	Pass
		5825	/	/	1	17.585	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	36.176	/	Pass
		5230	/	/	1	36.186	/	Pass
		5755	/	/	1	36.154	/	Pass
		5795	/	/	1	36.220	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	75.227	/	Pass
		5775	/	/	1	75.112	/	Pass
802.11ax (HEW20)	MIMO	5180	SU	/	1	18.834	/	Pass
		5200	SU	/	1	18.802	/	Pass
		5240	SU	/	1	18.855	/	Pass
		5745	SU	/	1	18.791	/	Pass
		5785	SU	/	1	18.856	/	Pass
		5825	SU	/	1	18.900	/	Pass
802.11ax (HEW40)	MIMO	5190	SU	/	1	37.674	/	Pass
		5230	SU	/	1	37.679	/	Pass
		5755	SU	/	1	37.721	/	Pass
		5795	SU	/	1	37.671	/	Pass
802.11ax (HEW80)	MIMO	5210	SU	/	1	76.783	/	Pass
		5775	SU	/	1	76.516	/	Pass

Note: Both ANT1 and ANT2 have been tested, and the report only shows the worst ANT. ANT1 is the worst.

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	19.994	/	Pass
		5200	/	/	1	20.610	/	Pass
		5240	/	/	1	21.158	/	Pass
802.11n (HT20)	MIMO	5180	/	/	1	21.912	/	Pass
		5200	/	/	1	21.298	/	Pass
		5240	/	/	1	21.319	/	Pass
802.11n (HT40)	MIMO	5190	/	/	1	41.111	/	Pass
		5230	/	/	1	42.237	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	21.572	/	Pass
		5200	/	/	1	21.300	/	Pass
		5240	/	/	1	21.136	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	40.934	/	Pass
		5230	/	/	1	41.248	/	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	82.400	/	Pass
802.11ax (HEW20)	MIMO	5180	SU	/	1	21.436	/	Pass
		5200	SU	/	1	21.340	/	Pass
		5240	SU	/	1	21.448	/	Pass
802.11ax (HEW40)	MIMO	5190	SU	/	1	45.050	/	Pass
		5230	SU	/	1	44.654	/	Pass
802.11ax (HEW80)	MIMO	5210	SU	/	1	83.284	/	Pass

Note: Both ANT1 and ANT2 have been tested, and the report only shows the worst ANT. ANT1 is the worst.

2.1.3 6dB BW

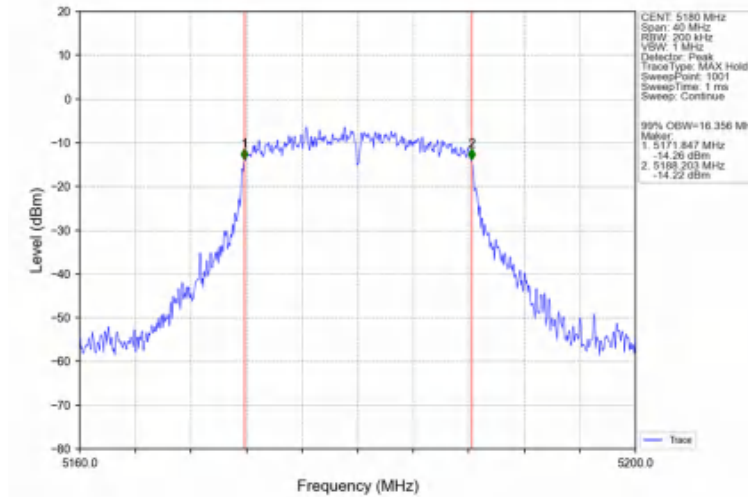
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.342	>=0.5	Pass
		5785	/	/	1	15.729	>=0.5	Pass
		5825	/	/	1	16.375	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	1	17.382	>=0.5	Pass
		5785	/	/	1	13.830	>=0.5	Pass
		5825	/	/	1	15.000	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	1	24.657	>=0.5	Pass
		5795	/	/	1	28.824	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	1	17.564	>=0.5	Pass
		5785	/	/	1	17.088	>=0.5	Pass
		5825	/	/	1	16.901	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	1	23.184	>=0.5	Pass
		5795	/	/	1	29.683	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	1	60.085	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	SU	/	1	16.587	>=0.5	Pass
		5785	SU	/	1	14.657	>=0.5	Pass
		5825	SU	/	1	14.982	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	SU	/	1	28.782	>=0.5	Pass
		5795	SU	/	1	31.533	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	SU	/	1	70.731	>=0.5	Pass

Note: Both ANT1 and ANT2 have been tested, and the report only shows the worst ANT. ANT1 is the worst.

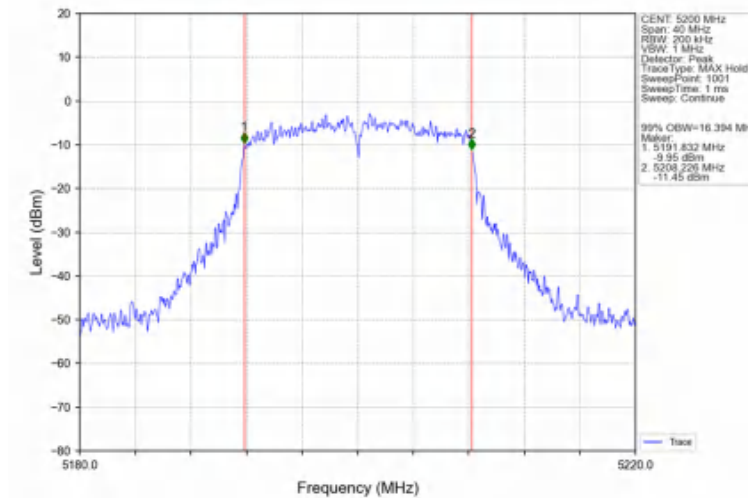
2.2 Test Graph

2.2.1 OBW

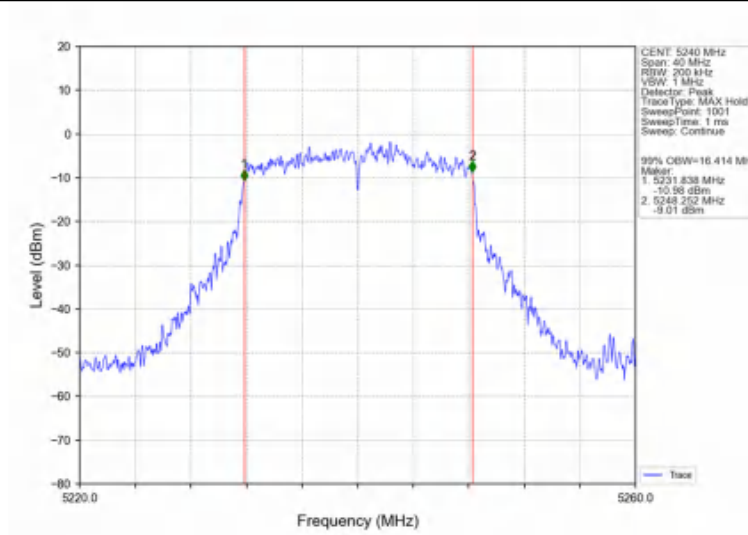
802.11a_LCH_5180MHz_Ant1_NTNV



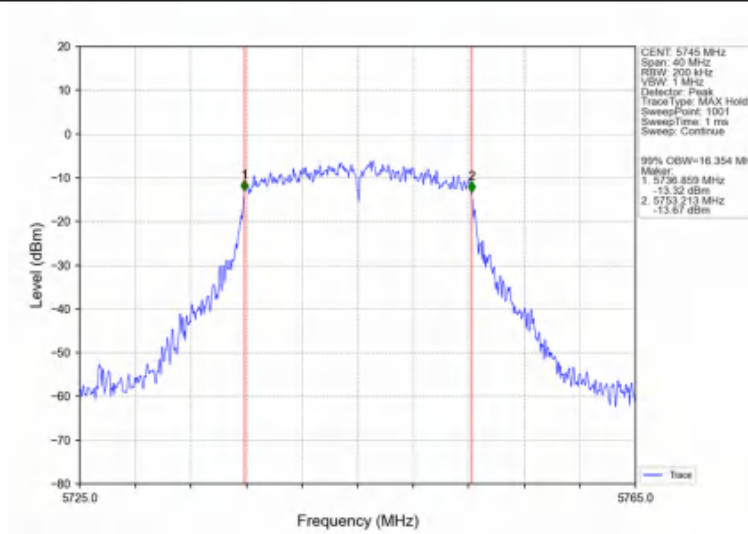
802.11a_MCH_5200MHz_Ant1_NTNV



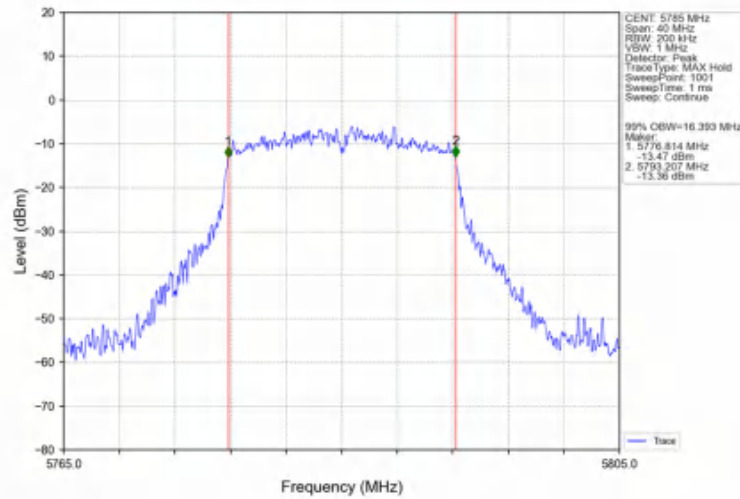
802.11a_HCH_5240MHz_Ant1_NTNV



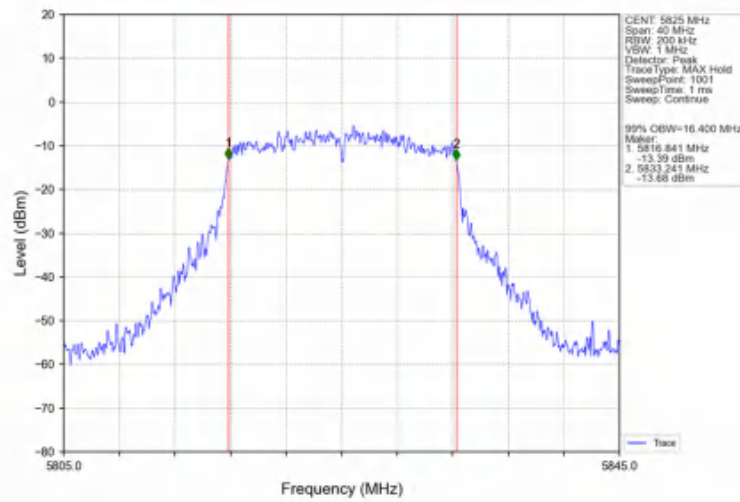
802.11a_LCH_5745MHz_Ant1_NTNV



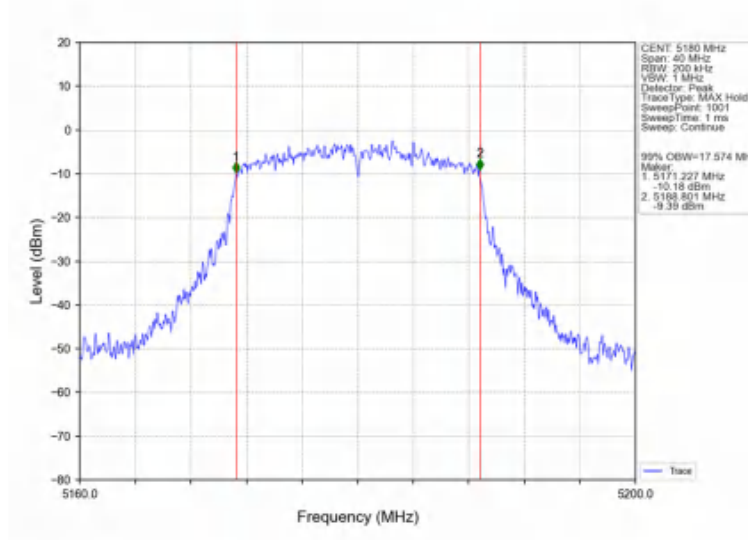
802.11a_MCH_5785MHz_Ant1_NTNV



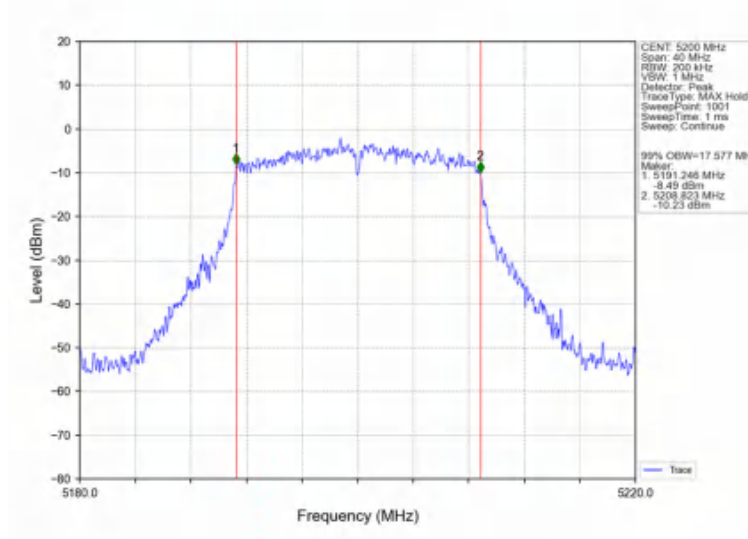
802.11a_HCH_5825MHz_Ant1_NTNV



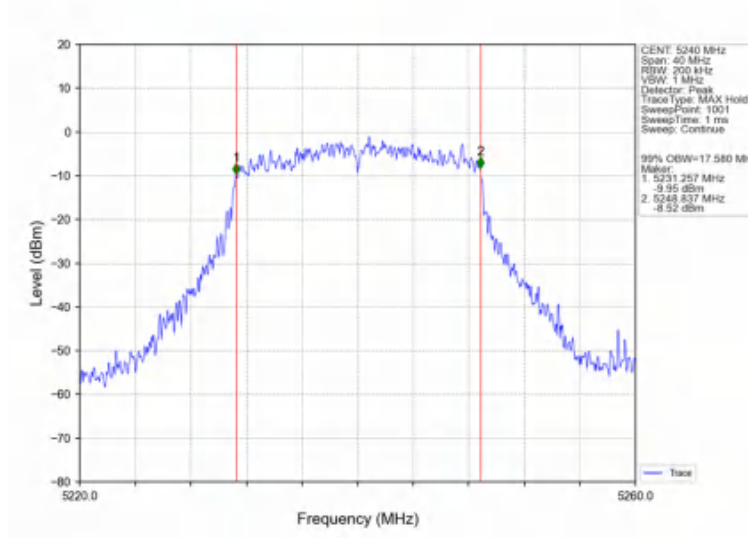
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



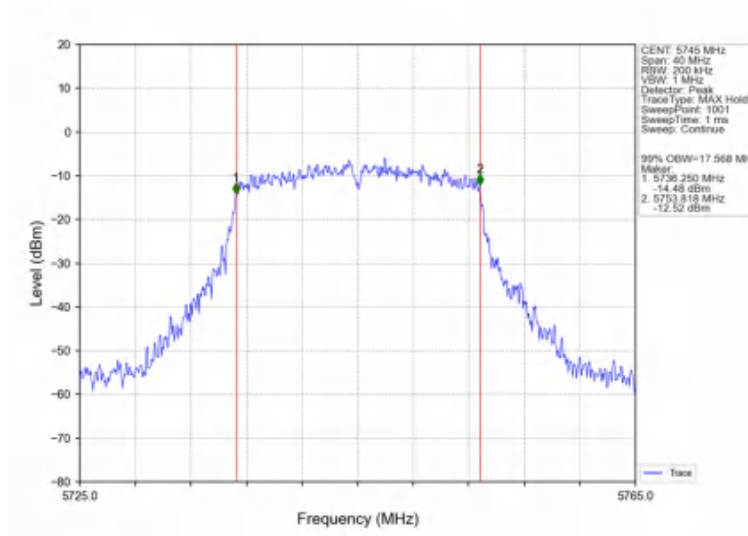
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



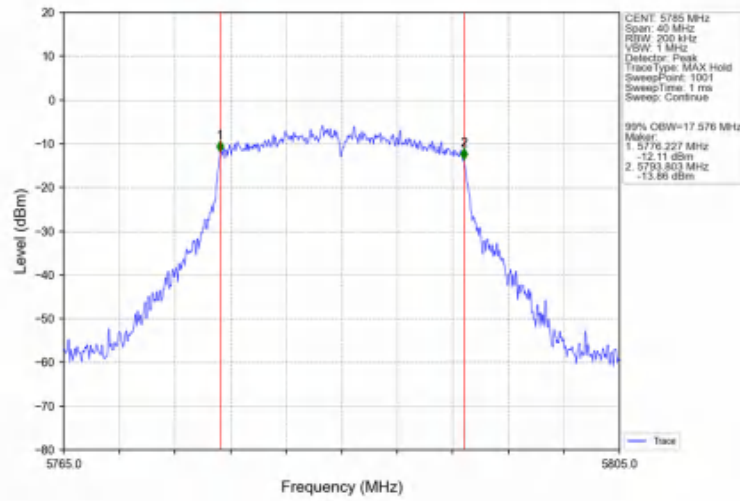
802.11n(HT20) HCH_5240MHz_Ant1_NTNV



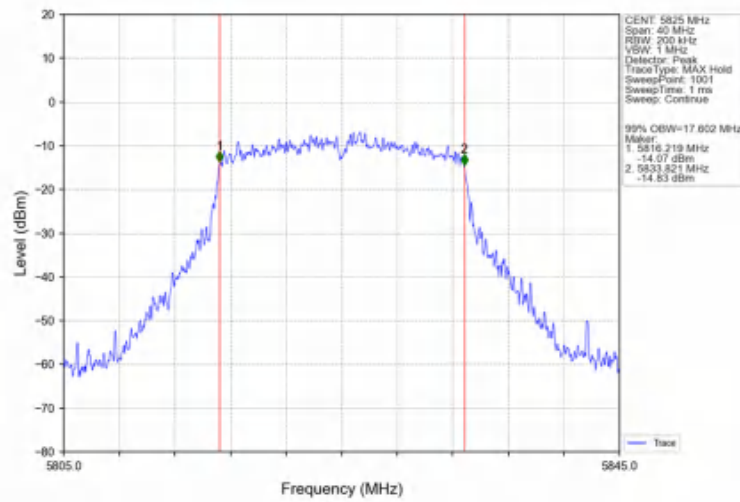
802.11n(HT20) LCH_5745MHz_Ant1_NTNV



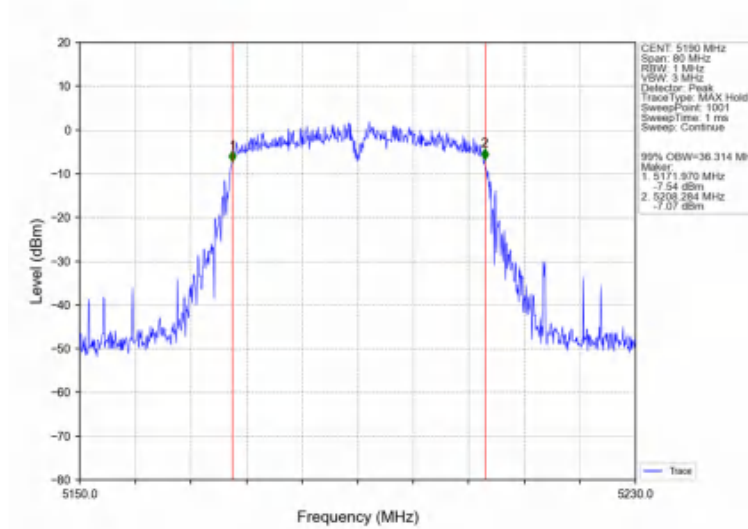
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



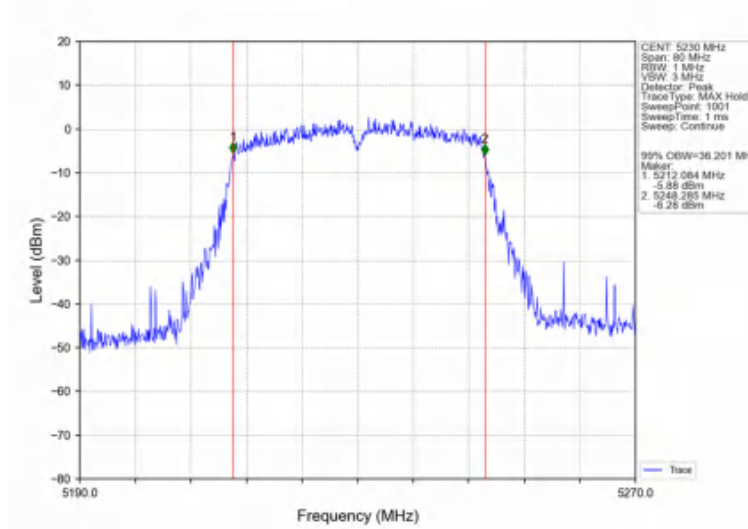
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



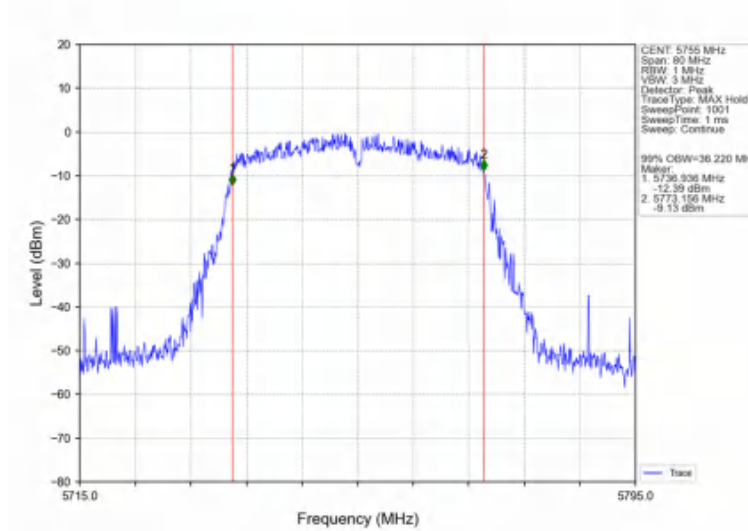
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



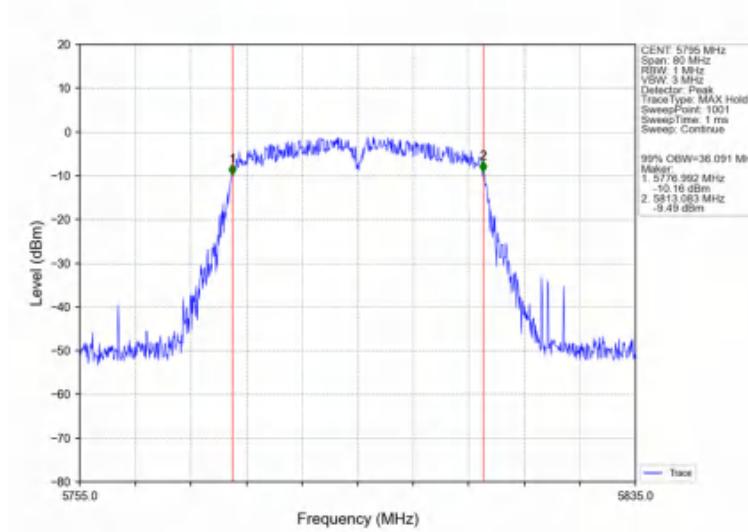
802.11n(HT40) HCH_5230MHz_Ant1_NTNV



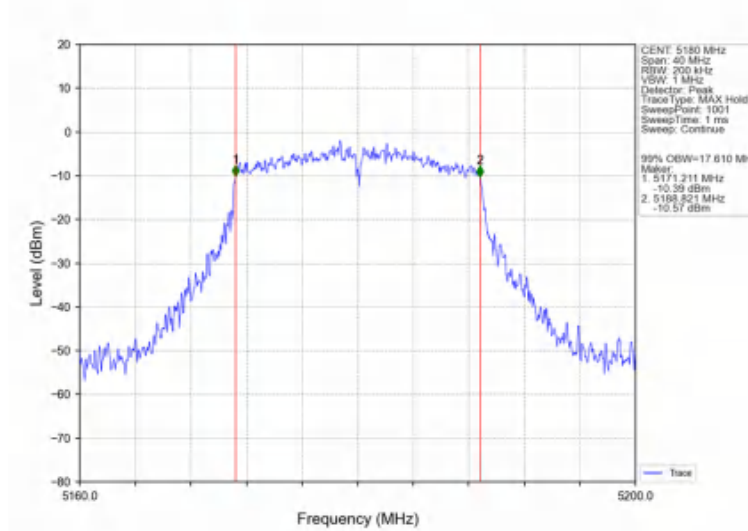
802.11n(HT40) LCH_5755MHz_Ant1_NTNV



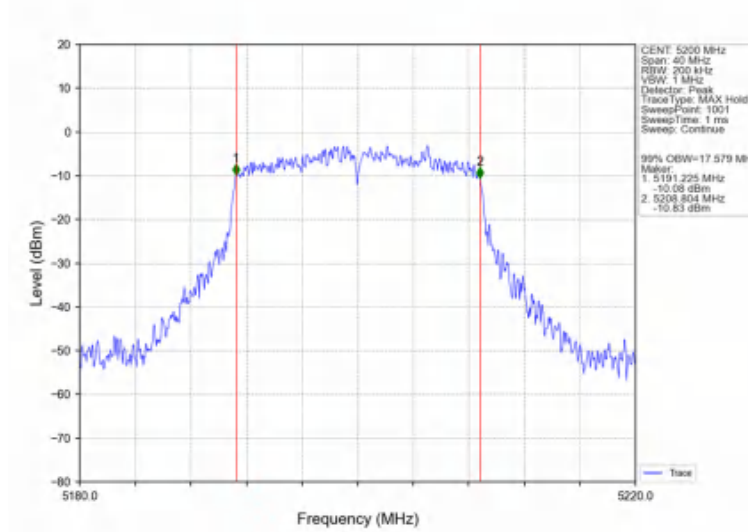
802.11n(HT40) HCH_5795MHz_Ant1_NTNV



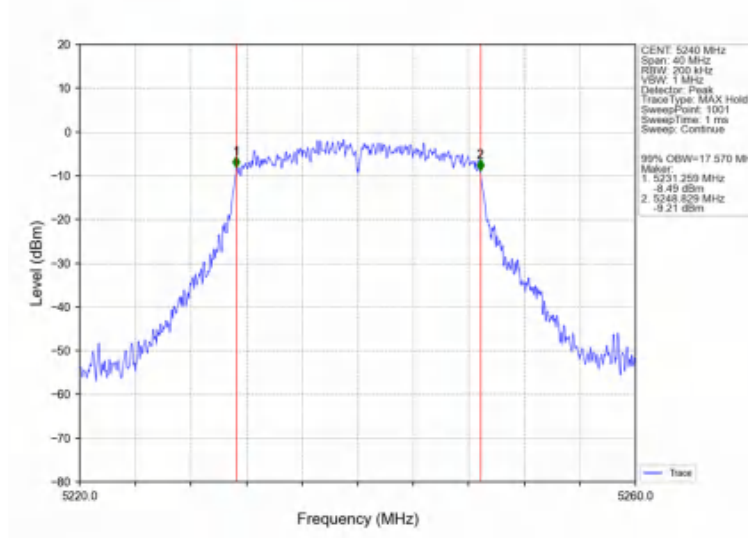
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



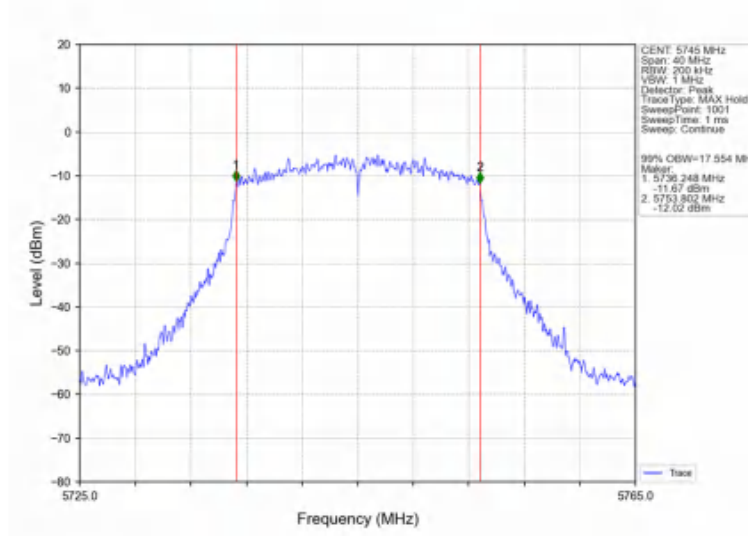
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



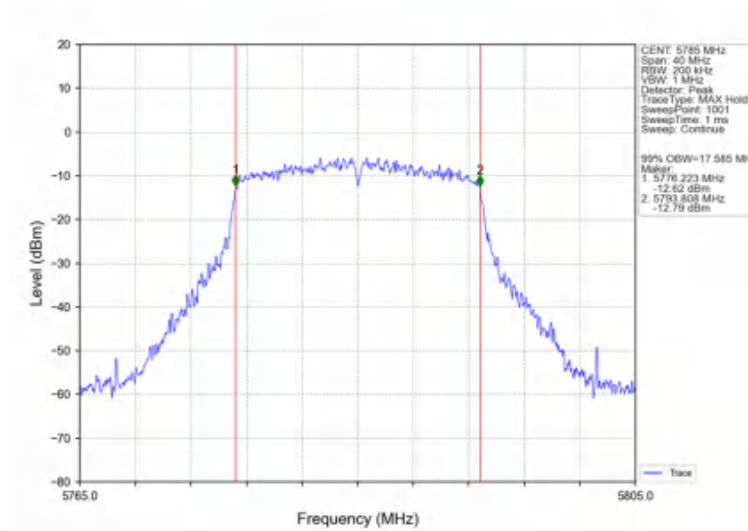
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



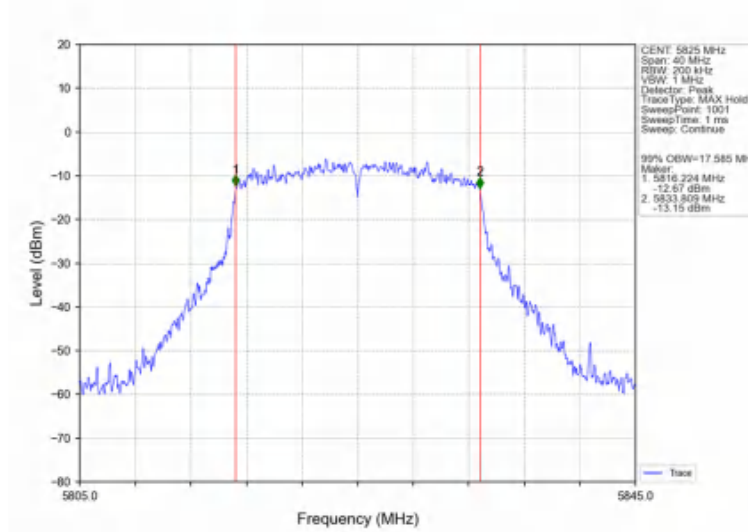
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



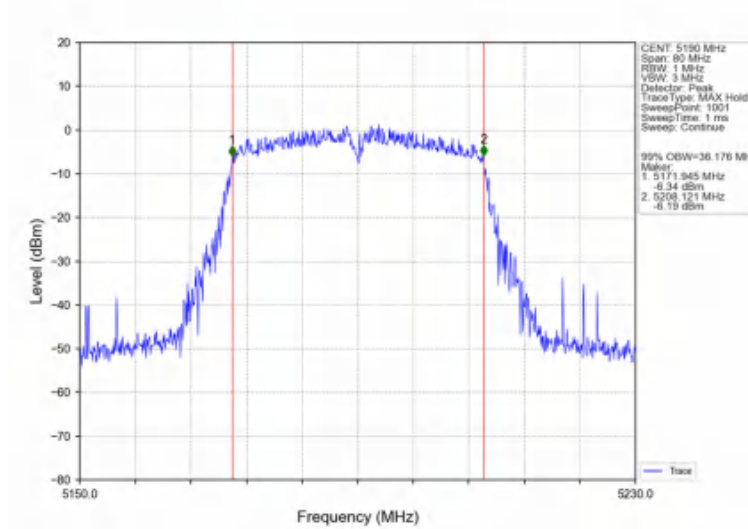
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



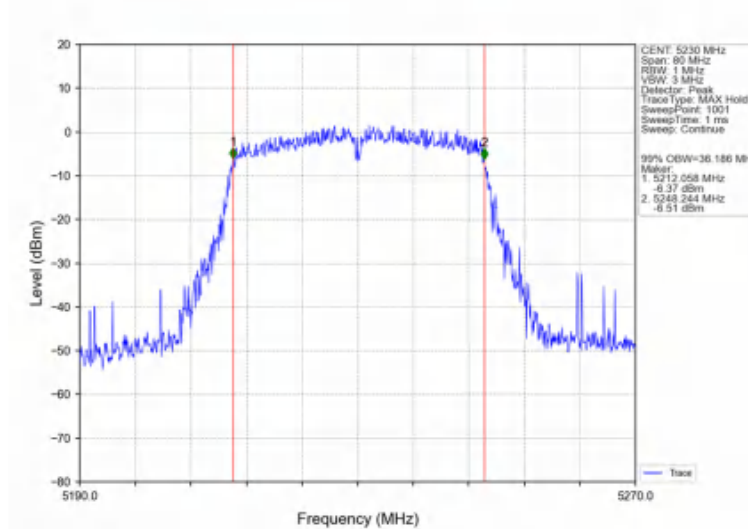
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



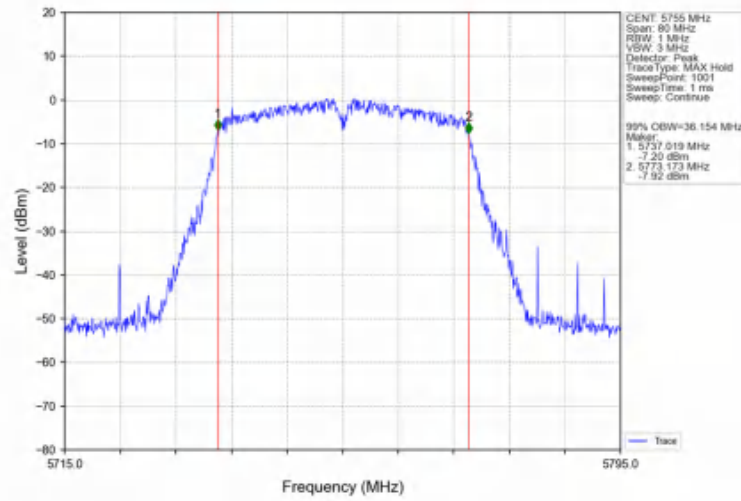
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



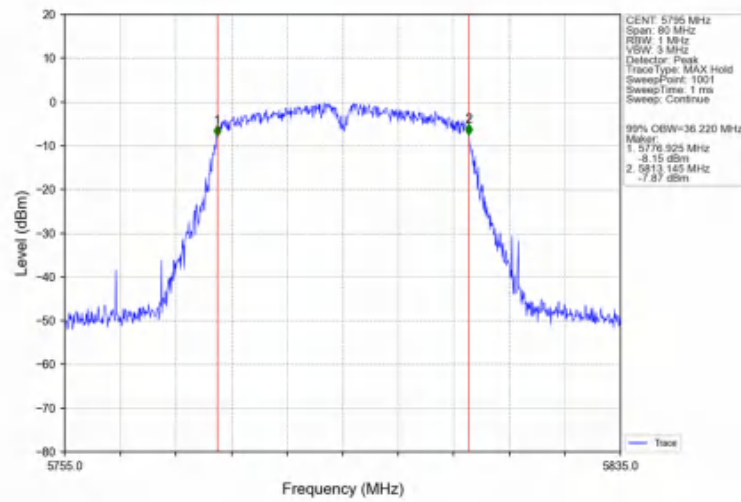
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



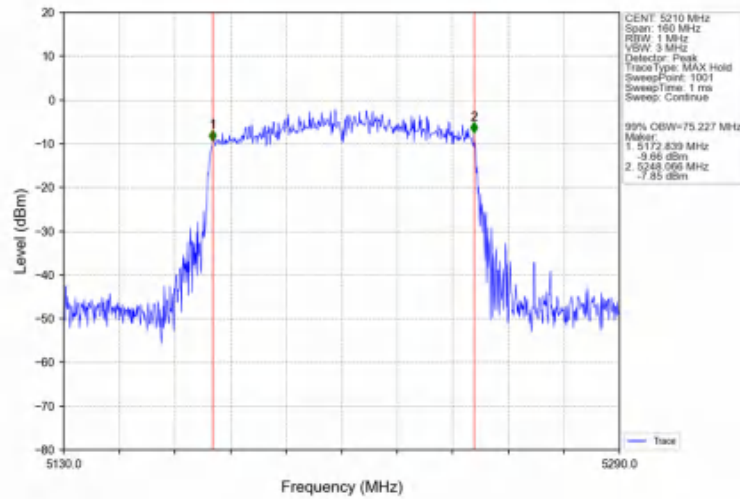
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



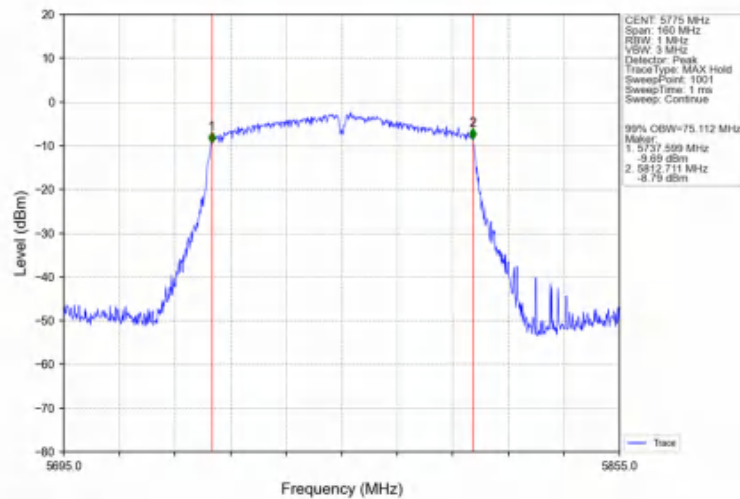
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



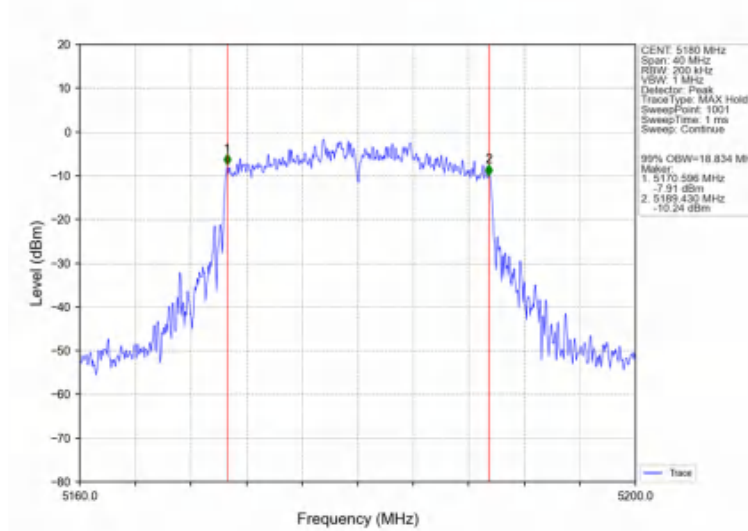
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



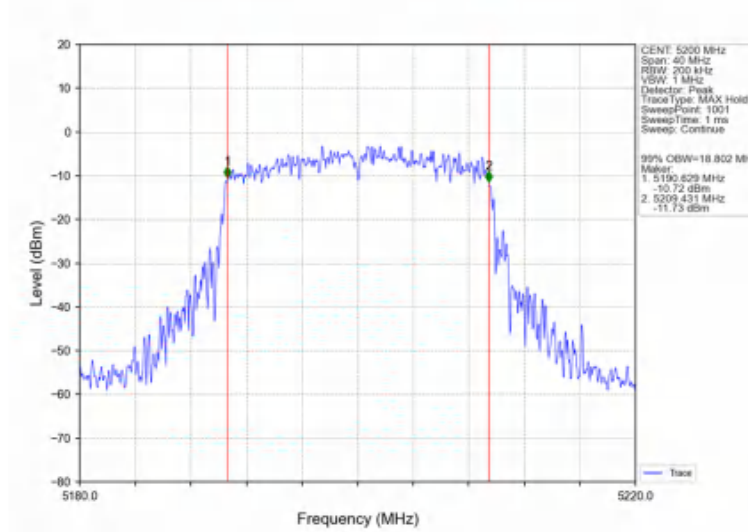
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



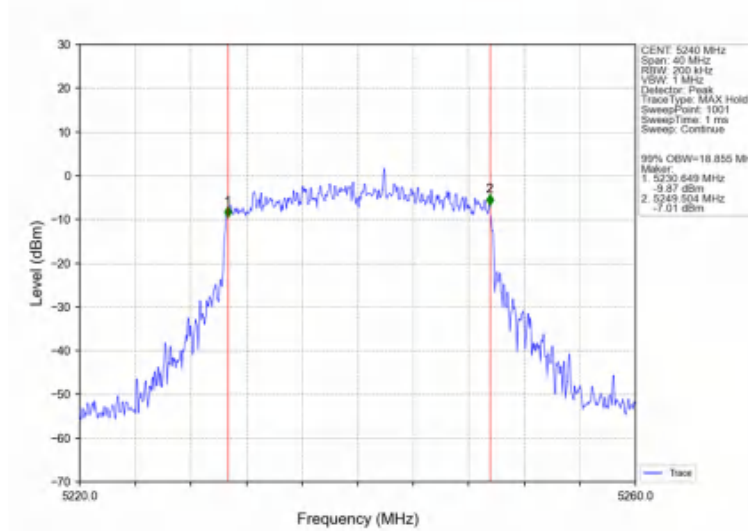
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



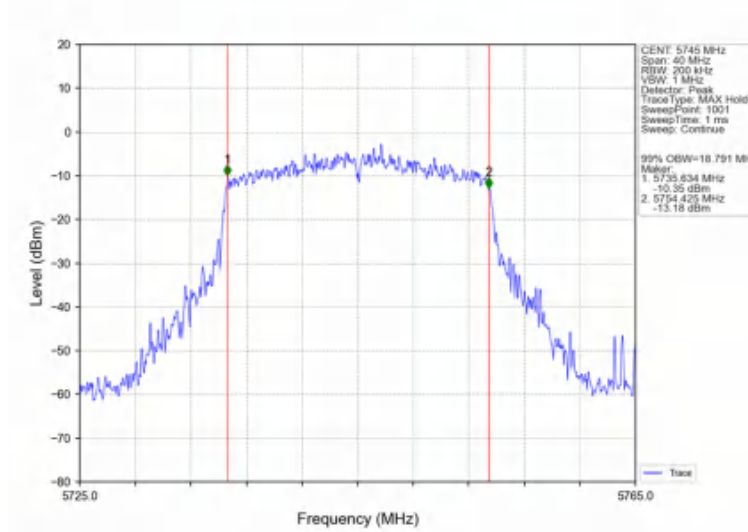
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



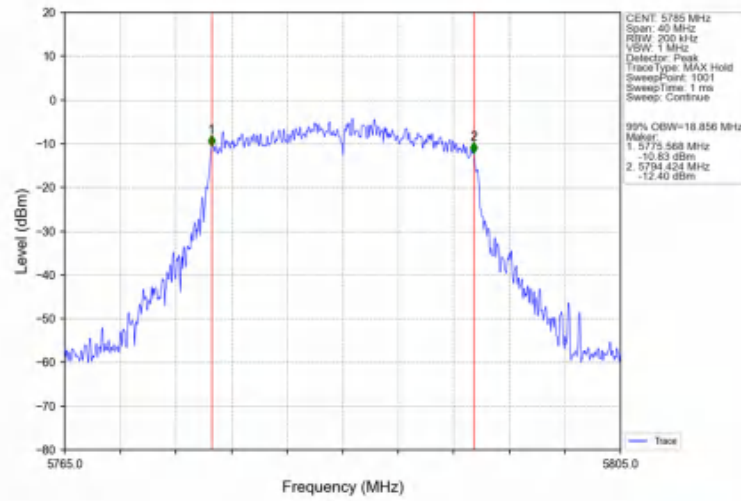
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



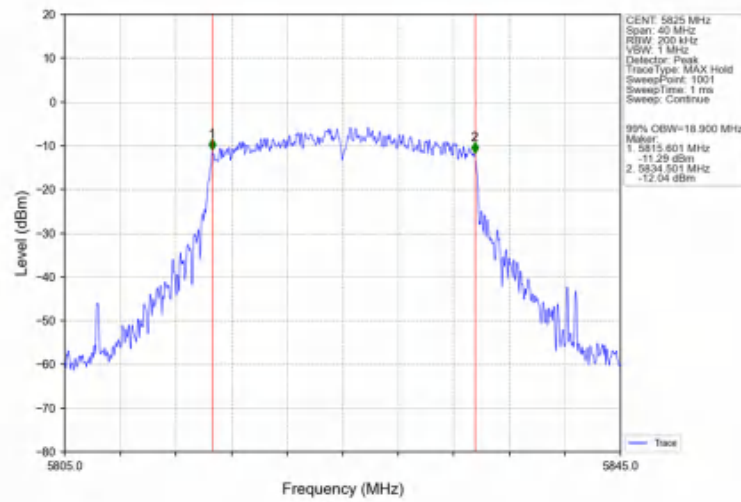
802.11ax(HEW20)_LCH_5745MHz_SU_ / Ant1_NTNV



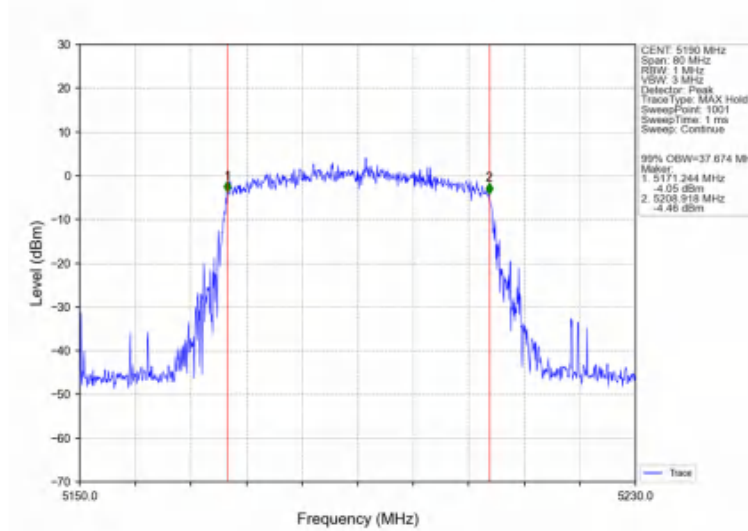
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1 NTNv



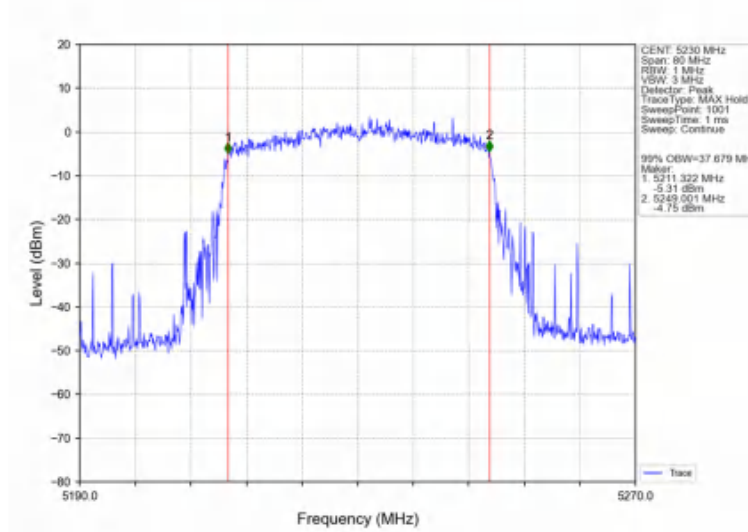
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1 NTNv



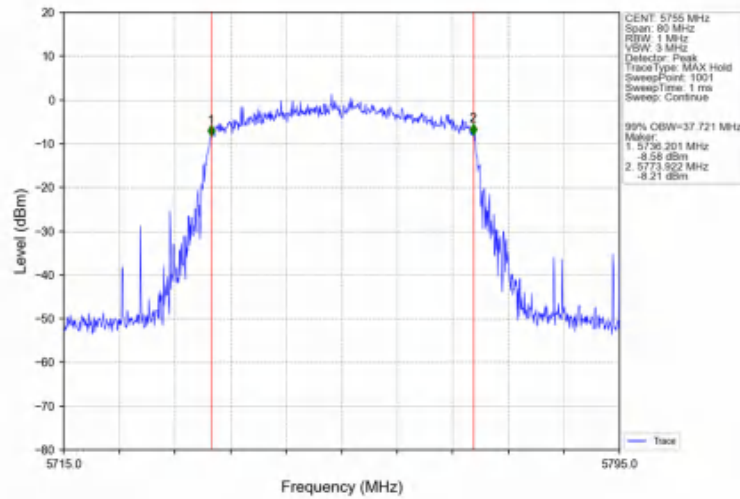
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



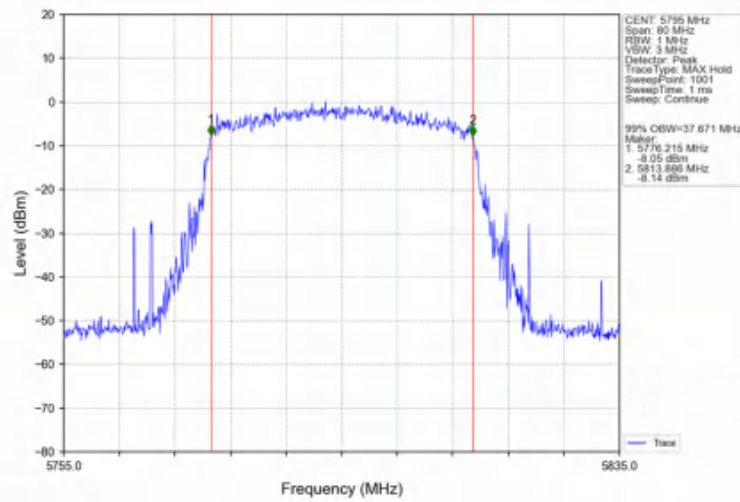
802.11ax(HEW40)_HCH_5230MHz_SU_/_Ant1_NTNV



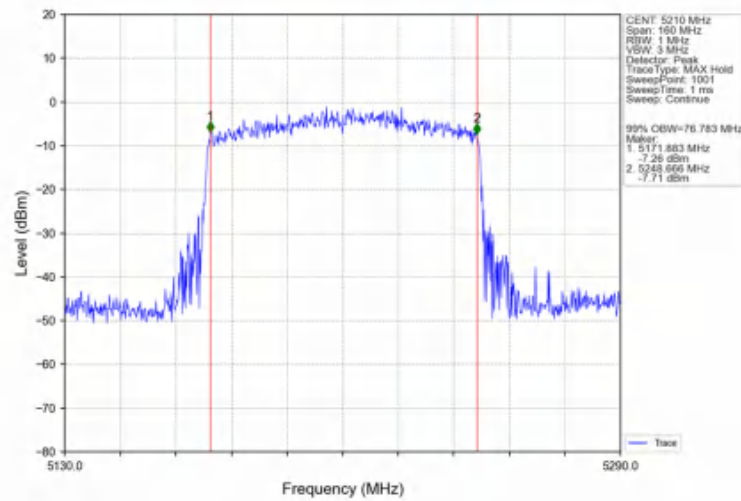
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



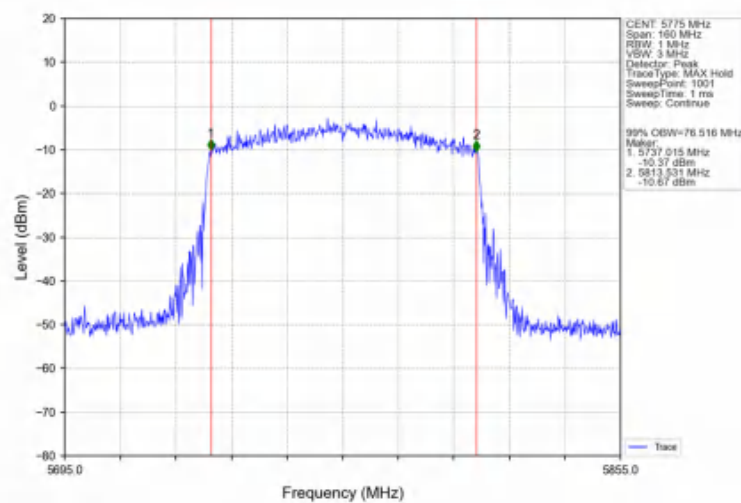
802.11ax(HEW40)_HCH_5795MHz_SU_/_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1_NTNV

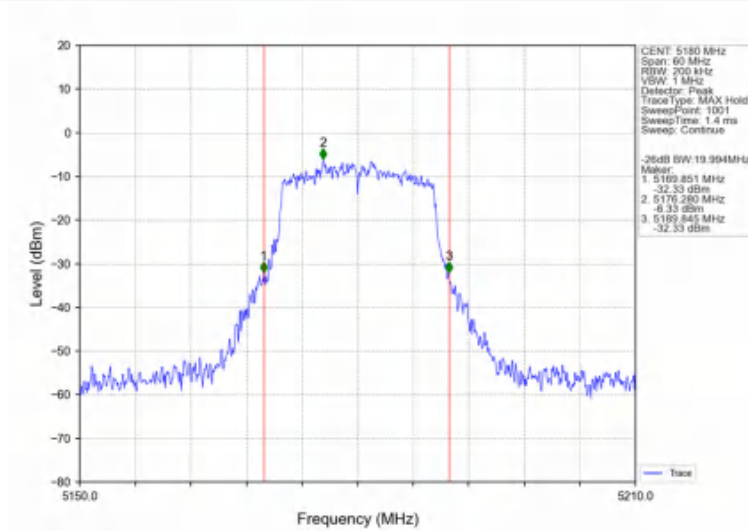


802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant1_NTNV

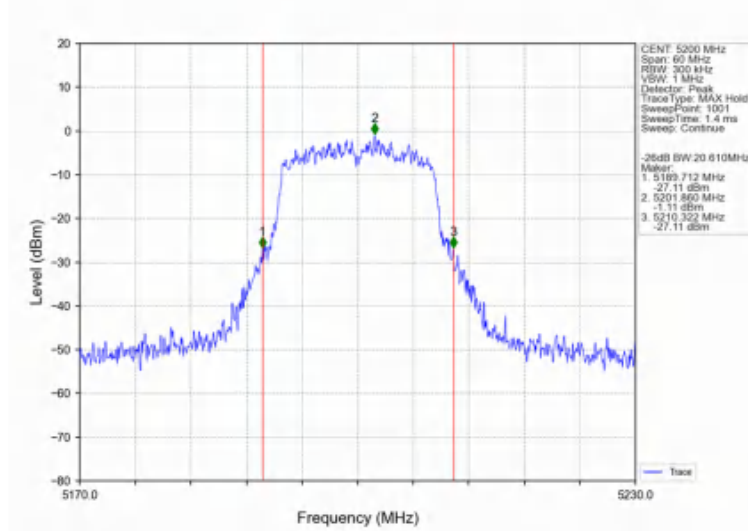


2.2.2 26dB BW

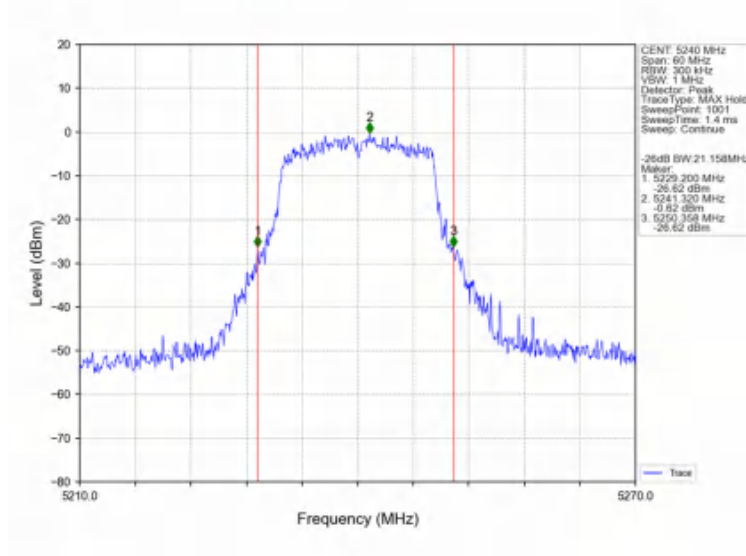
802.11a_LCH_5180MHz_Ant1_NTNV



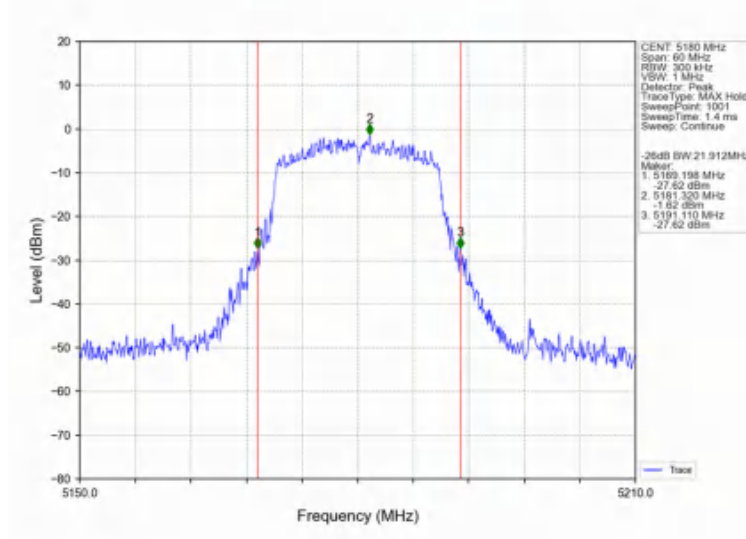
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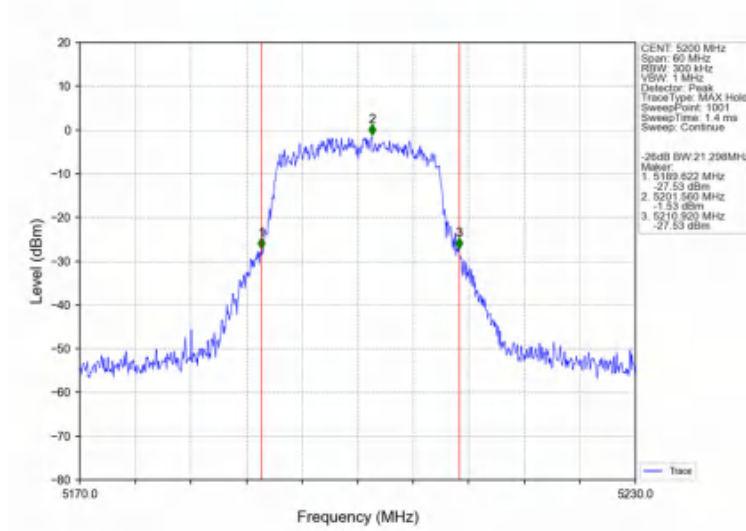
802.11a_HCH_5240MHz_Ant1_NTNV



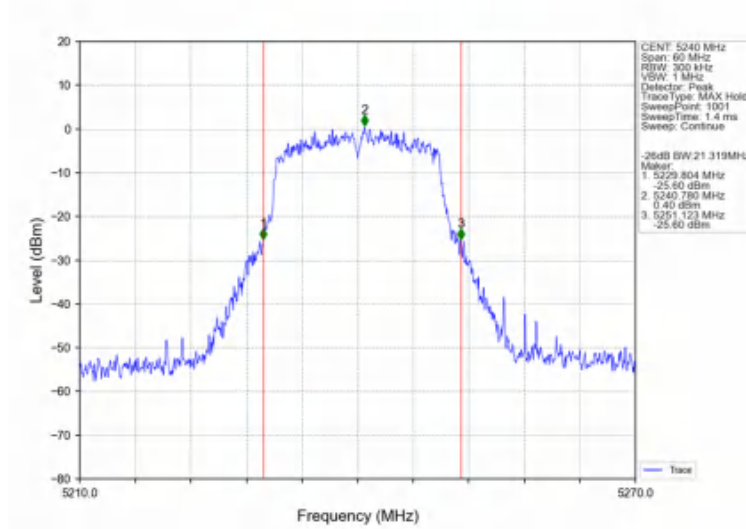
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



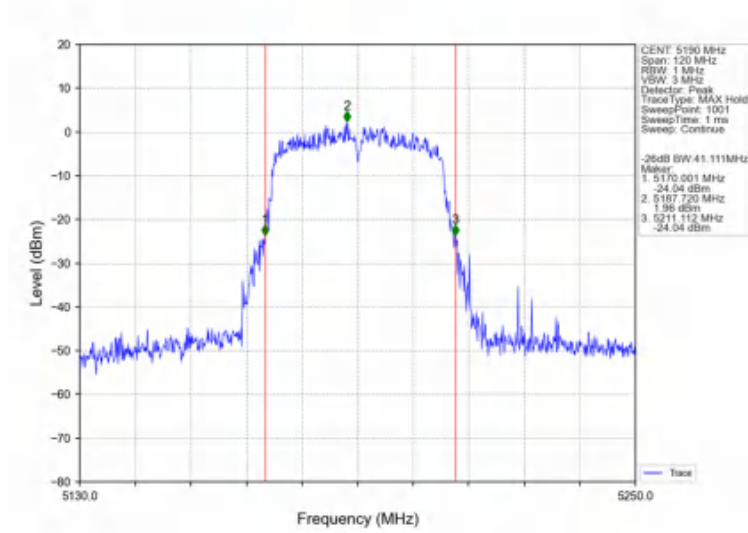
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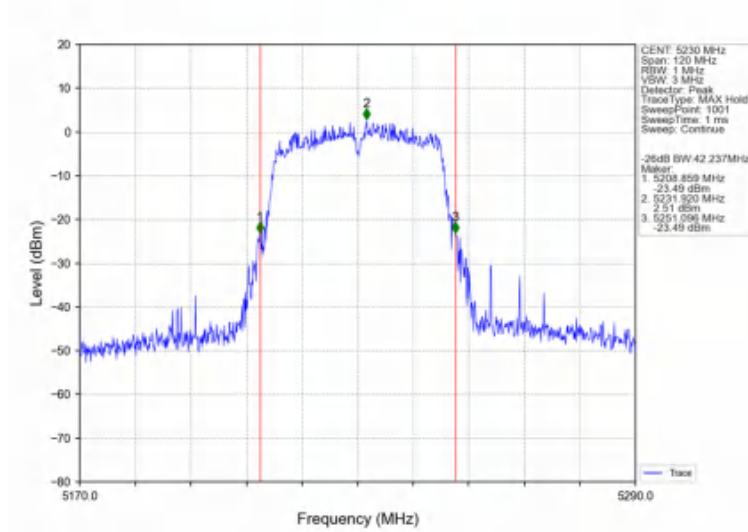
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



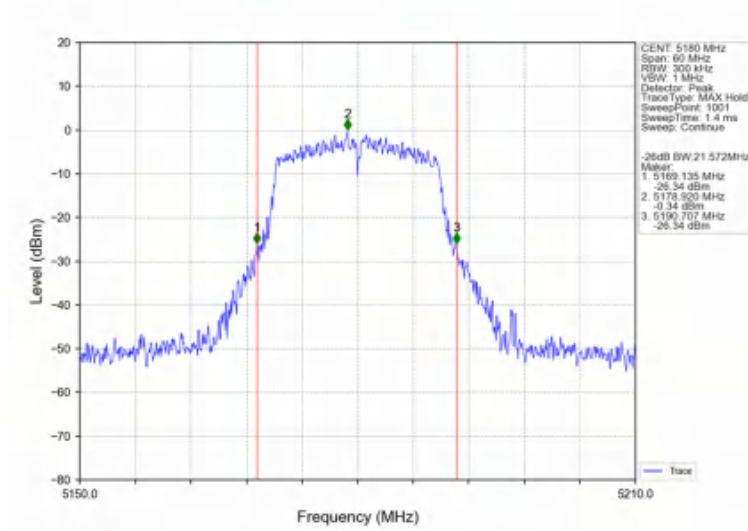
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



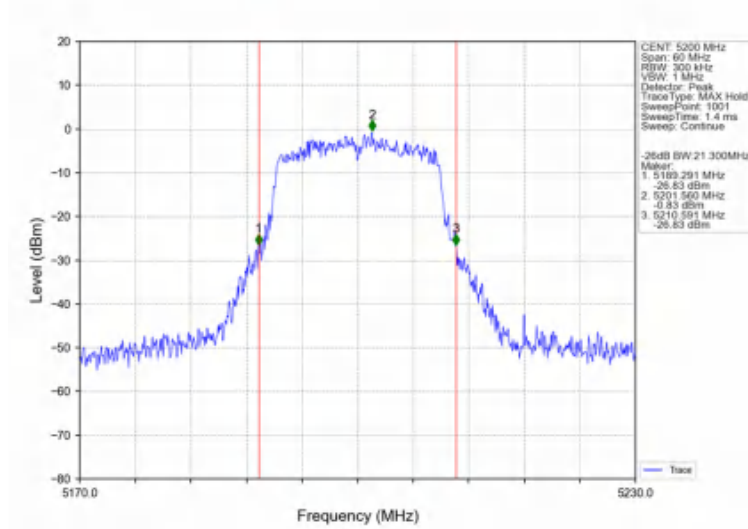
802.11n(HT40) HCH_5230MHz_Ant1_NTNV



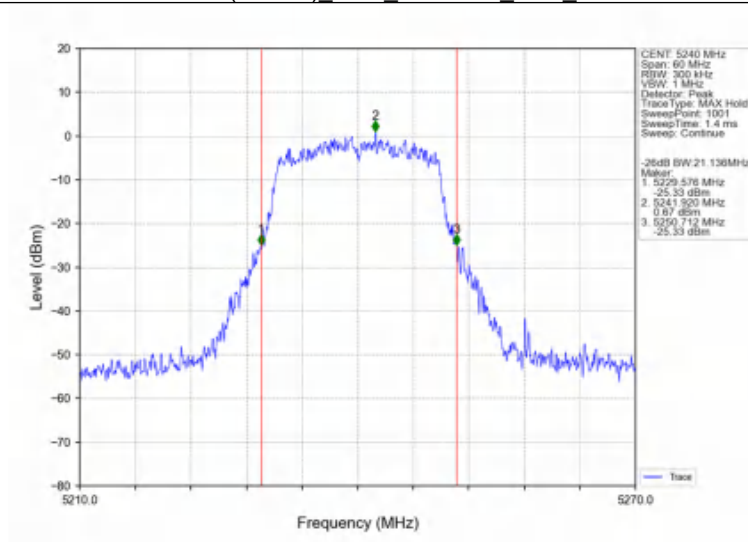
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



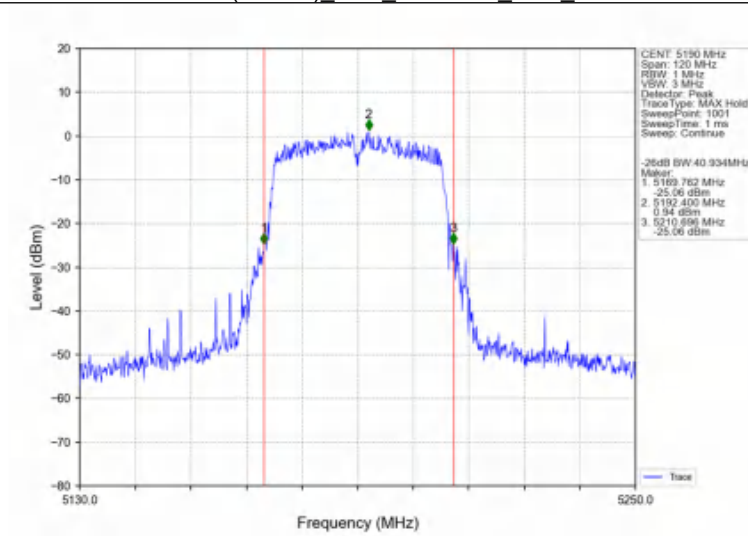
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



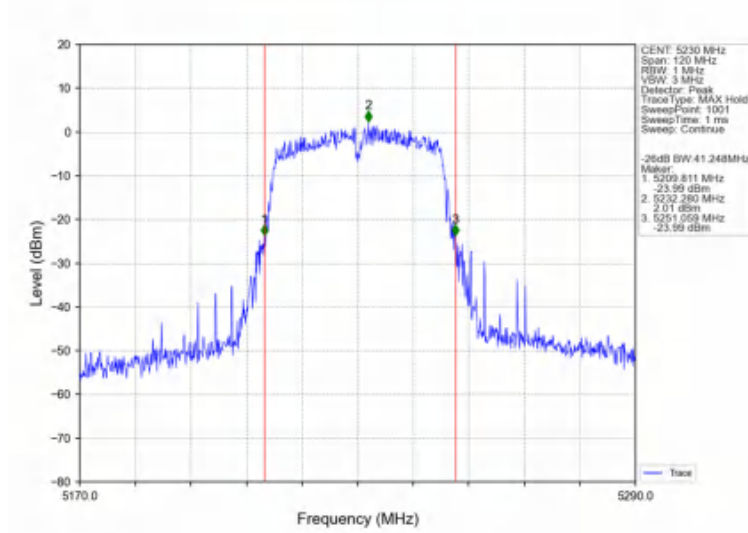
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



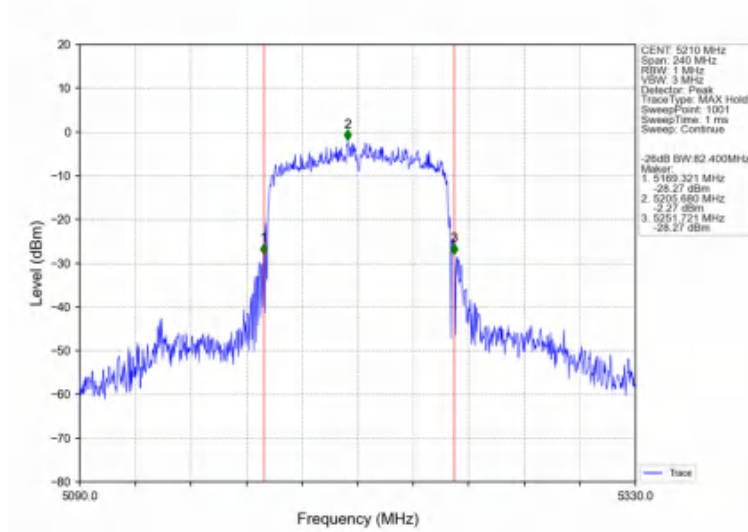
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



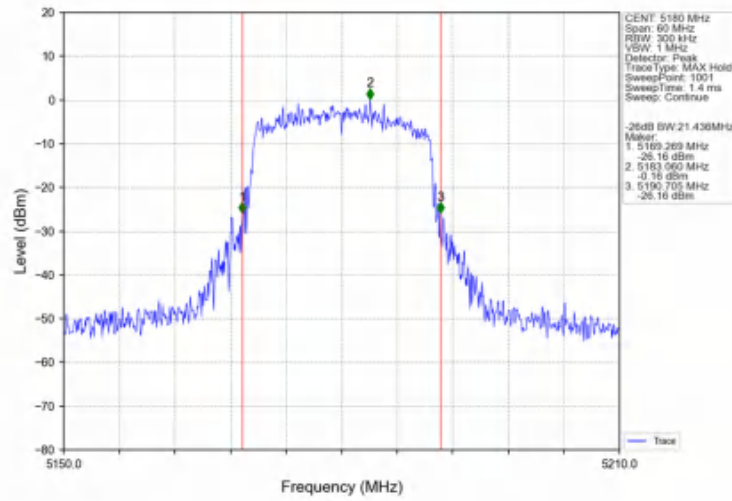
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



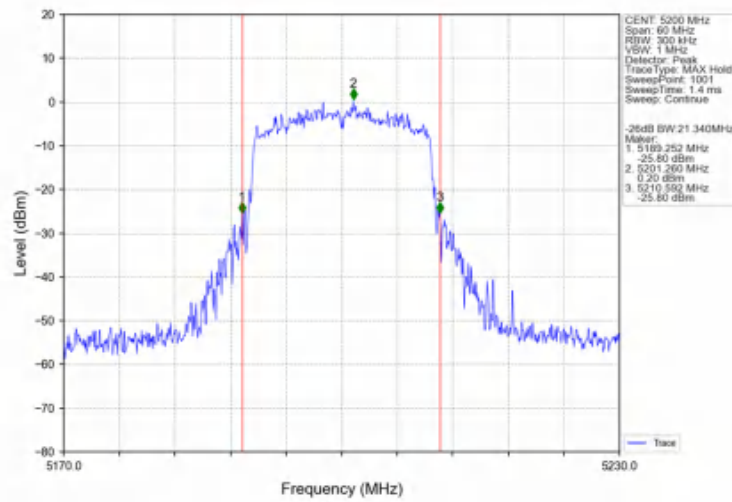
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



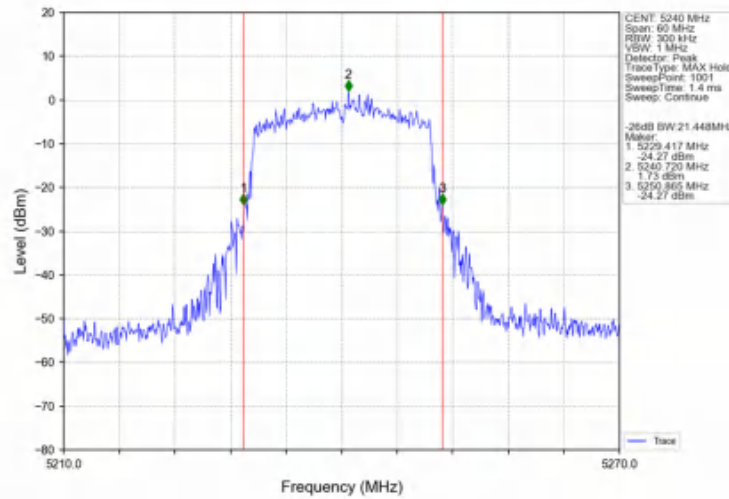
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



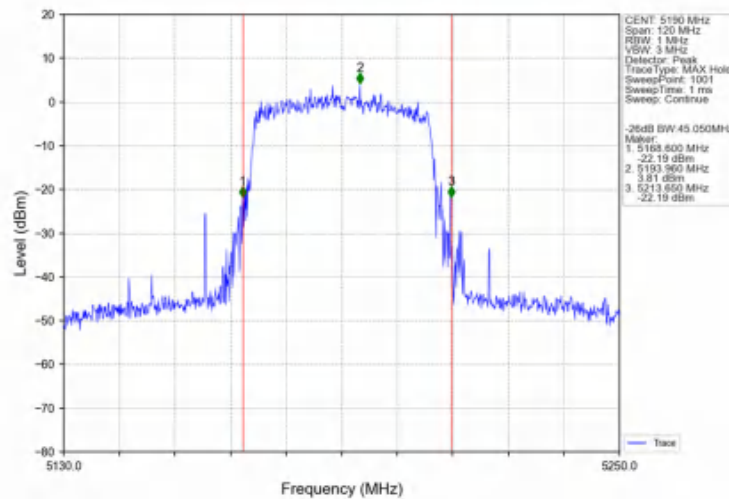
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



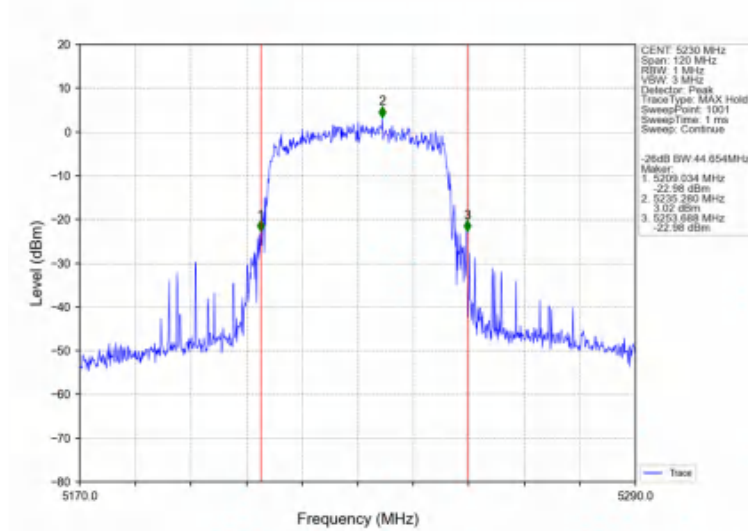
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



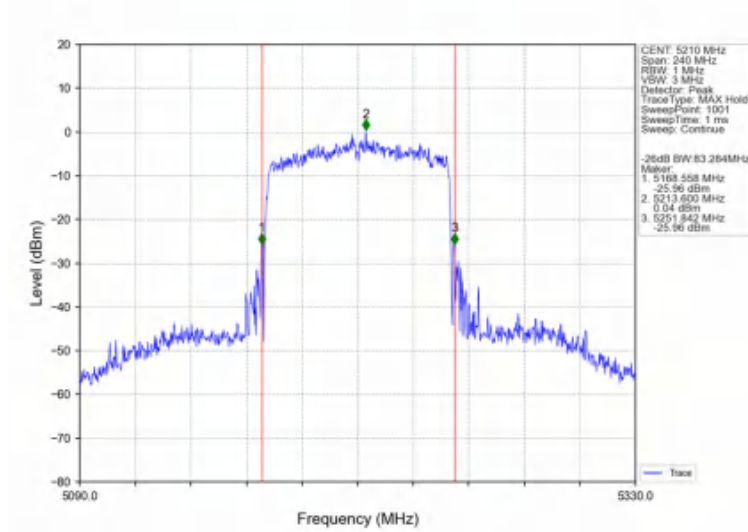
802.11ax(HEW40)_LCH_5190MHz_SU_ / Ant1_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV

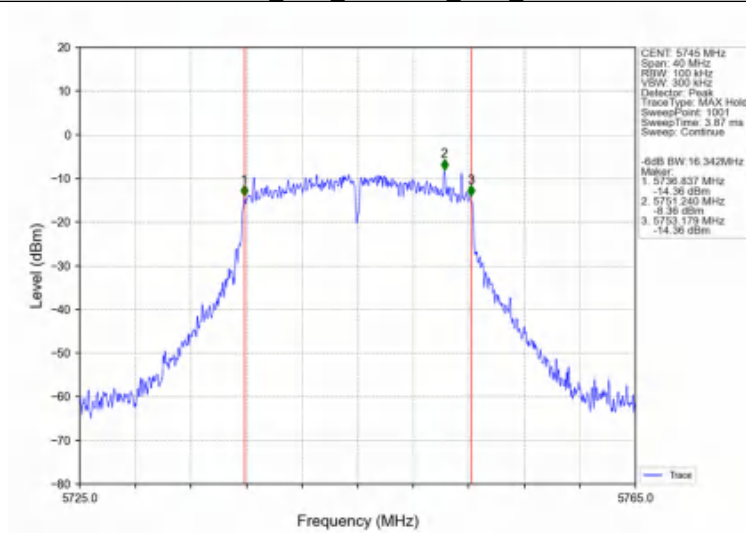


802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1_NTNV

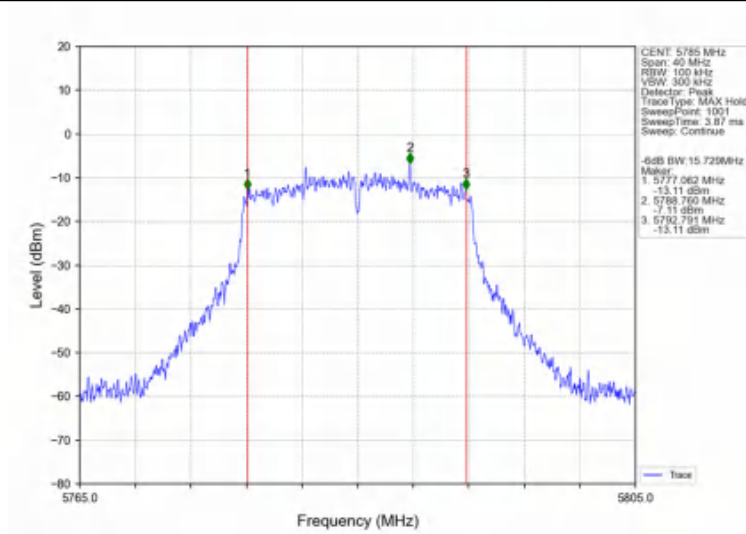


2.2.3 6dB BW

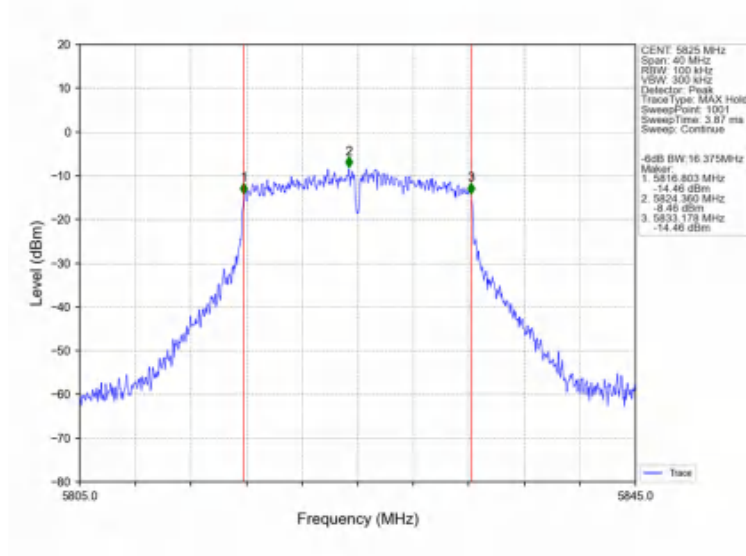
802.11a_LCH_5745MHz_Ant1_NTNV



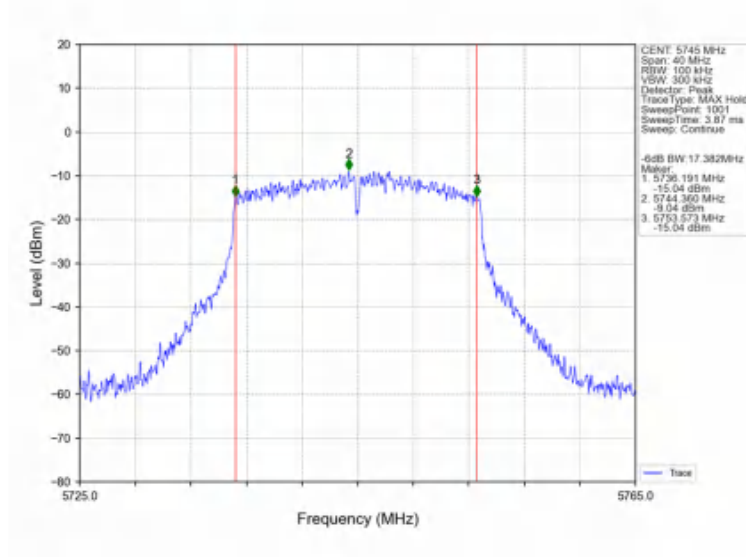
802.11a_MCH_5785MHz_Ant1_NTNV



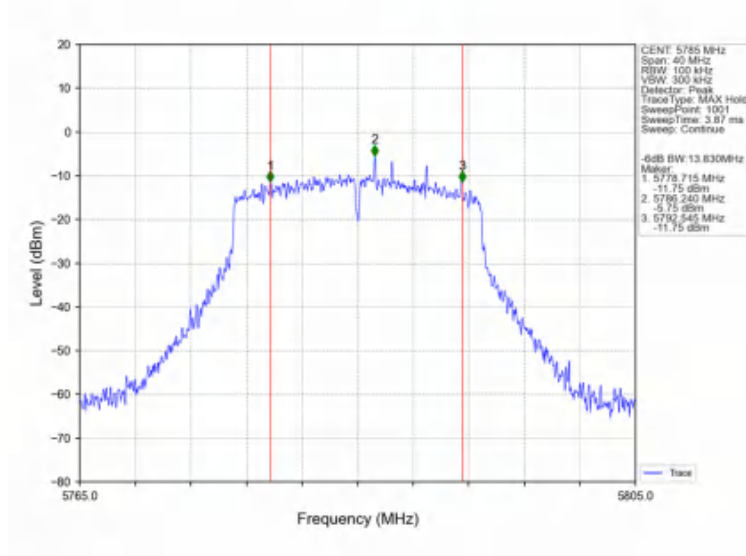
802.11a_HCH_5825MHz_Ant1_NTNV



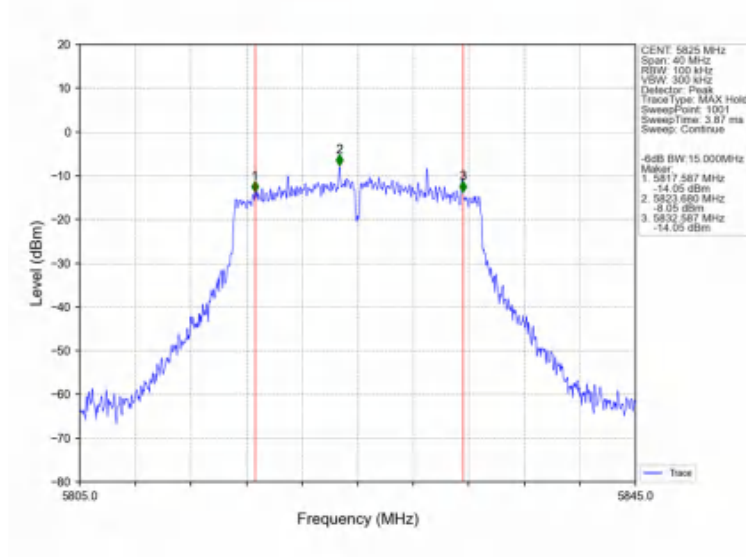
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



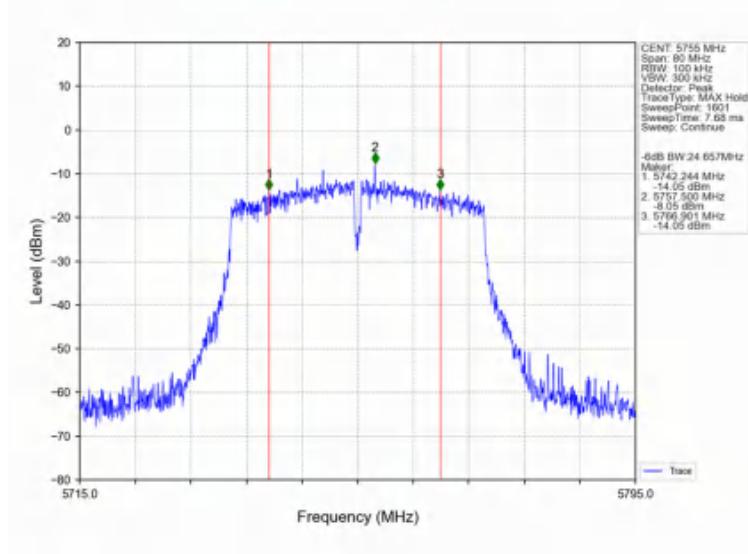
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



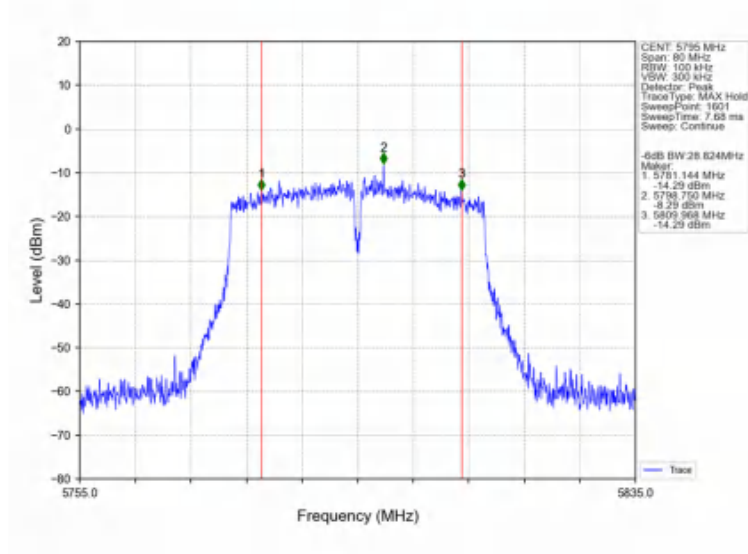
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



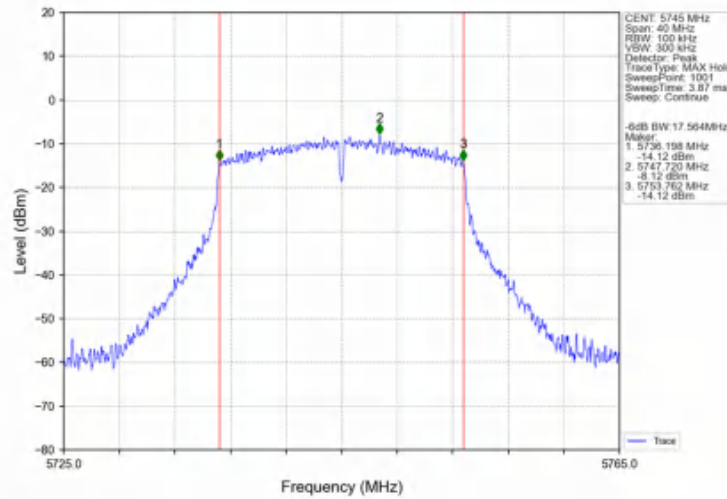
802.11n(HT40) LCH_5755MHz_Ant1_NTNV



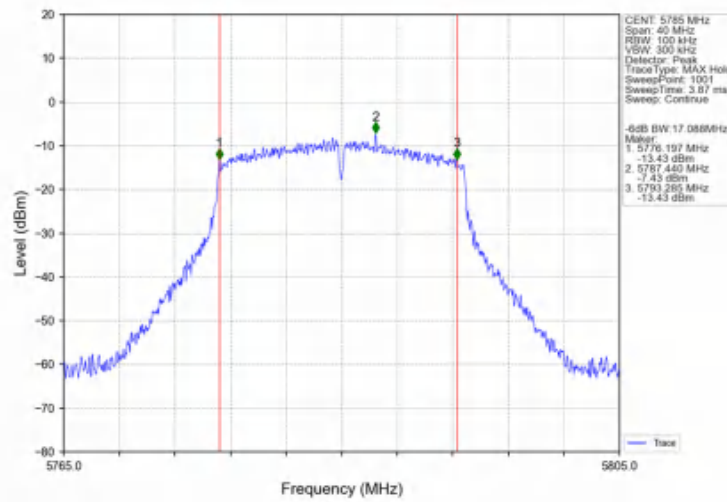
802.11n(HT40) HCH_5795MHz_Ant1_NTNV



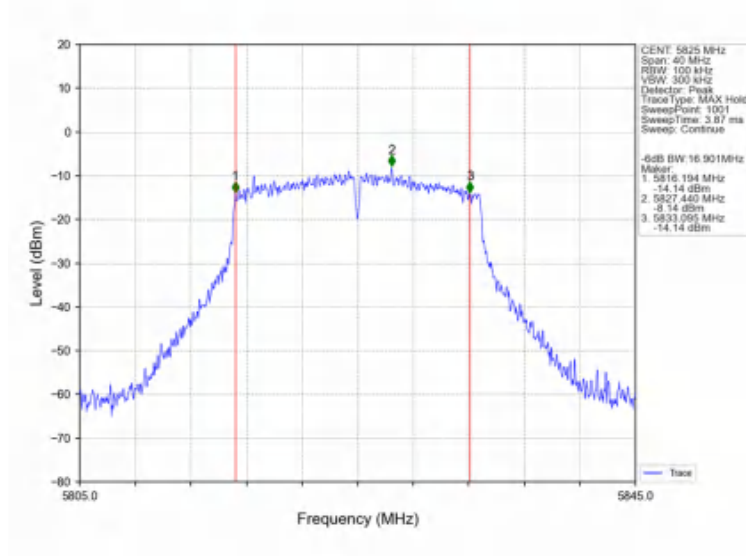
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



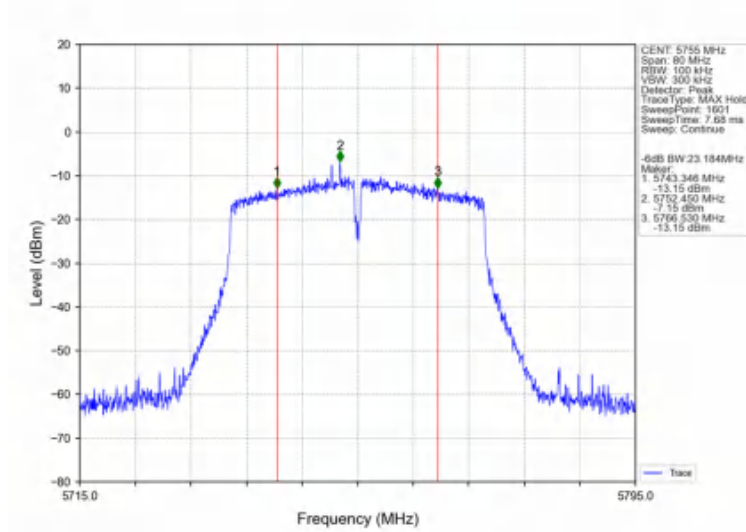
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



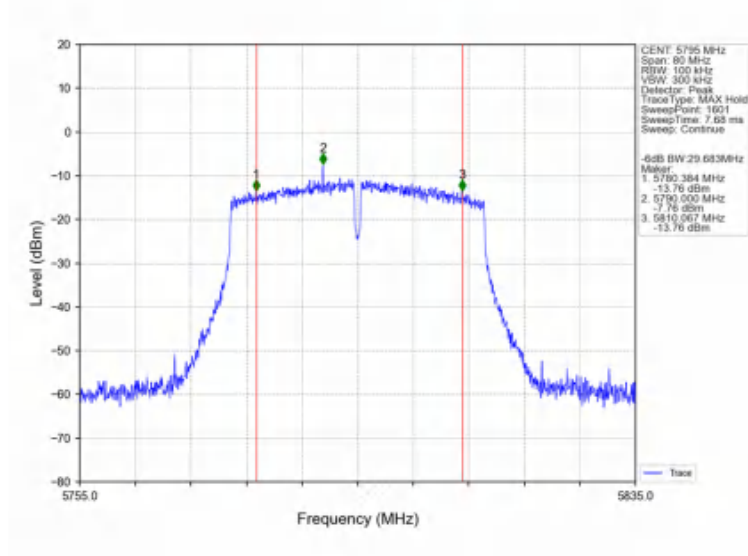
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



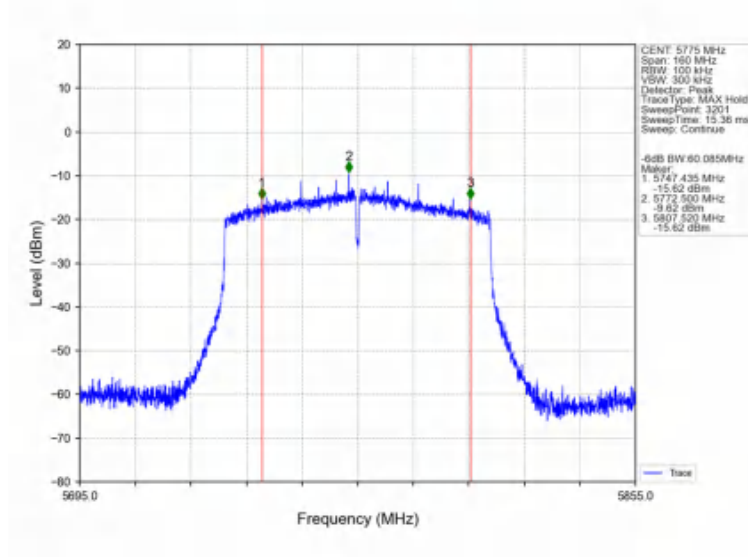
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



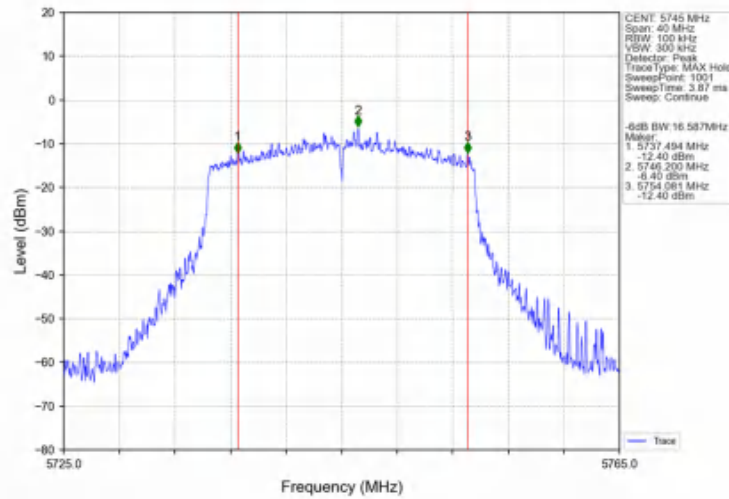
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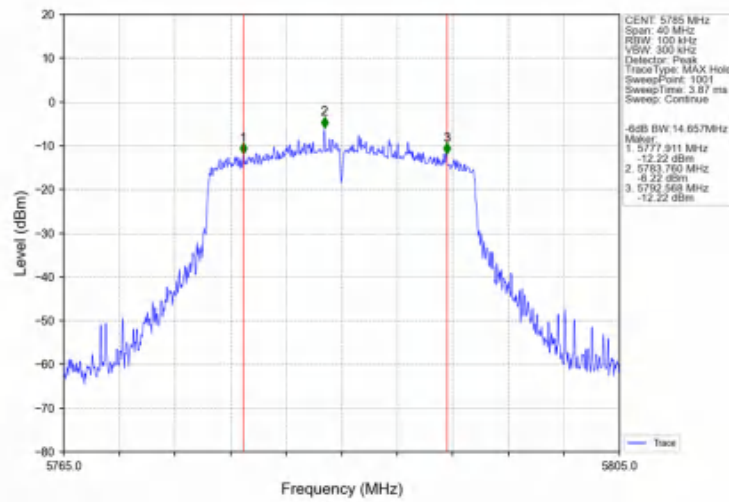
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



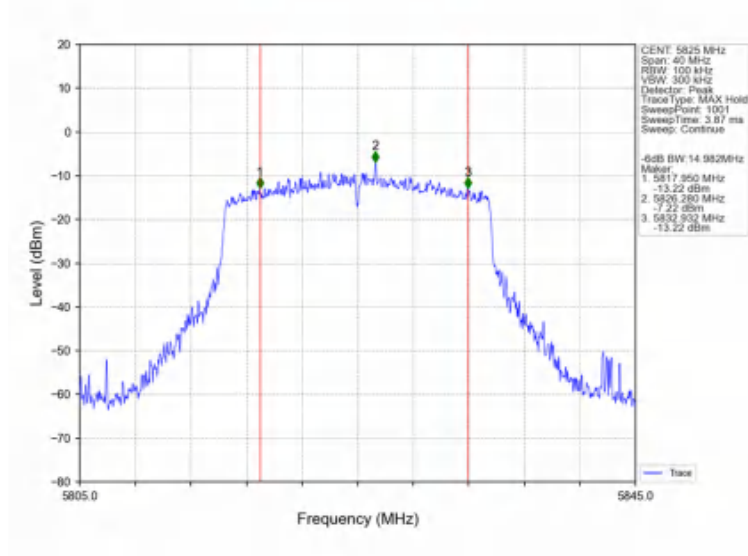
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



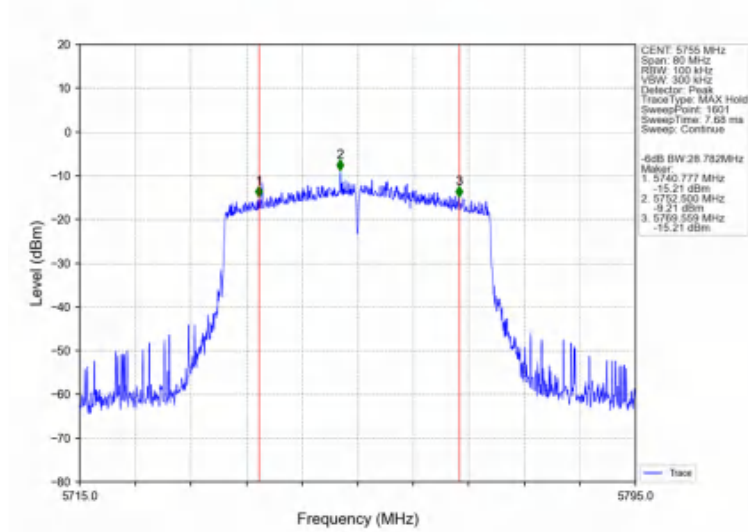
802.11ax(HEW20)_MCH_5785MHz_SU_/_Ant1_NTNV



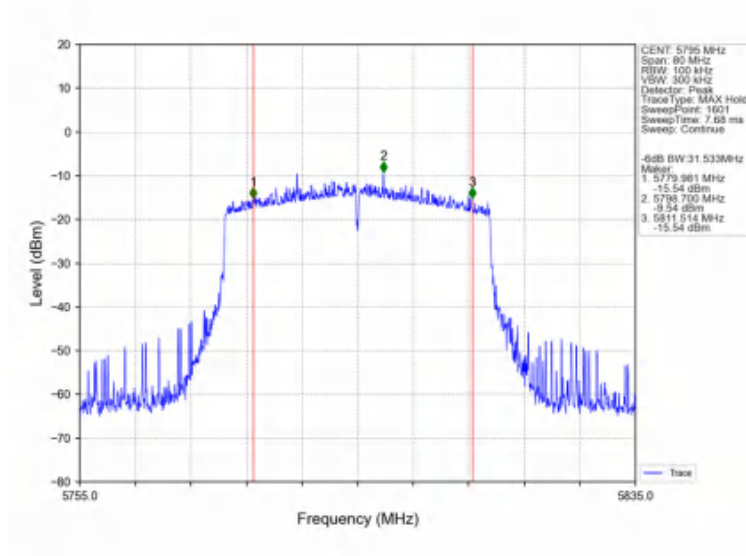
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



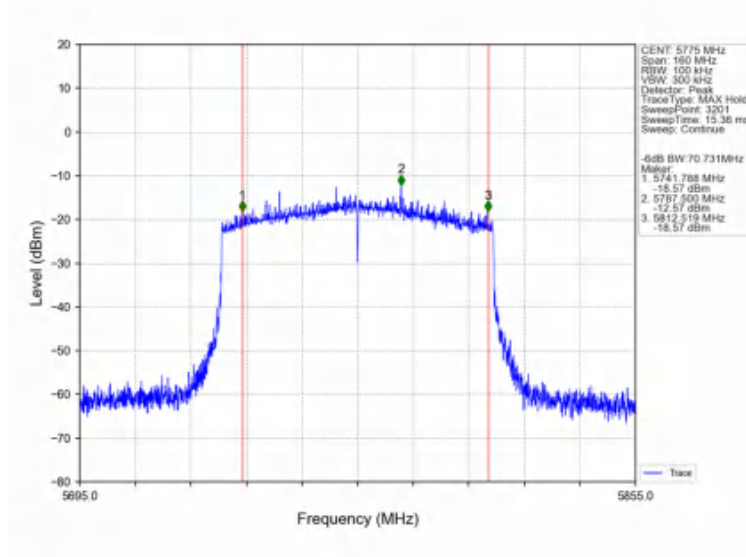
802.11ax(HEW40)_LCH_5755MHz_SU_ / Ant1_NTNV



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	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	7.35	6.34	/	<=23.98	Pass
		5200	/	/	5.80	7.33	/	<=23.98	Pass
		5240	/	/	9.25	7.09	/	<=23.98	Pass
		5745	/	/	3.89	5.30	/	<=30.00	Pass
		5785	/	/	4.86	4.12	/	<=30.00	Pass
		5825	/	/	5.17	4.24	/	<=30.00	Pass
802.11n (HT20)	MIMO	5180	/	/	7.85	6.99	10.45	<=23.98	Pass
		5200	/	/	7.99	7.64	10.83	<=23.98	Pass
		5240	/	/	8.57	8.58	11.59	<=23.98	Pass
		5745	/	/	4.49	4.12	7.32	<=30.00	Pass
		5785	/	/	5.13	4.39	7.79	<=30.00	Pass
		5825	/	/	3.15	2.72	5.95	<=30.00	Pass
802.11n (HT40)	MIMO	5190	/	/	7.77	8.07	10.93	<=23.98	Pass
		5230	/	/	8.86	8.12	11.52	<=23.98	Pass
		5755	/	/	5.25	5.36	8.32	<=30.00	Pass
		5795	/	/	4.57	4.58	7.59	<=30.00	Pass
802.11ac (VHT20)	MIMO	5180	/	/	5.66	6.05	8.87	<=23.98	Pass
		5200	/	/	7.92	5.75	9.98	<=23.98	Pass
		5240	/	/	9.48	8.49	12.02	<=23.98	Pass
		5745	/	/	4.97	4.59	7.79	<=30.00	Pass
		5785	/	/	4.72	4.28	7.52	<=30.00	Pass
		5825	/	/	4.30	3.00	6.71	<=30.00	Pass
802.11ac (VHT40)	MIMO	5190	/	/	6.84	6.50	9.68	<=23.98	Pass
		5230	/	/	7.51	6.93	10.24	<=23.98	Pass
		5755	/	/	5.89	5.32	8.62	<=30.00	Pass
		5795	/	/	5.51	5.14	8.34	<=30.00	Pass
802.11ac (VHT80)	MIMO	5210	/	/	5.54	6.17	8.88	<=23.98	Pass
		5775	/	/	5.35	5.90	8.64	<=30.00	Pass
802.11ax (HEW20)	MIMO	5180	SU	/	8.14	6.32	10.33	<=23.98	Pass
		5200	SU	/	7.94	7.09	10.55	<=23.98	Pass
		5240	SU	/	9.56	7.83	11.79	<=23.98	Pass
		5745	SU	/	4.87	4.46	7.68	<=30.00	Pass
		5785	SU	/	4.88	4.31	7.61	<=30.00	Pass
		5825	SU	/	4.06	2.86	6.51	<=30.00	Pass
802.11ax (HEW40)	MIMO	5190	SU	/	7.10	7.83	10.49	<=23.98	Pass
		5230	SU	/	8.04	7.54	10.81	<=23.98	Pass
		5755	SU	/	4.72	4.26	7.51	<=30.00	Pass
		5795	SU	/	4.14	4.05	7.11	<=30.00	Pass
802.11ax (HEW80)	MIMO	5210	SU	/	6.81	6.80	9.82	<=23.98	Pass
		5775	SU	/	3.89	4.54	7.24	<=30.00	Pass

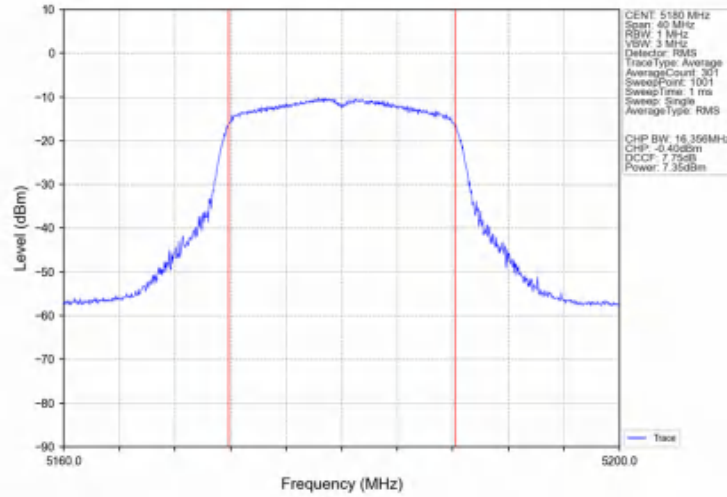
Note1: Antenna Gain: Ant1: 2.26dBi; Ant2: 2.83dBi; Directional gain: 5.56dBi

Note2: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})^2 / NANT]$, where G is the antenna gain in dBi, NANT it's the number of antennas.

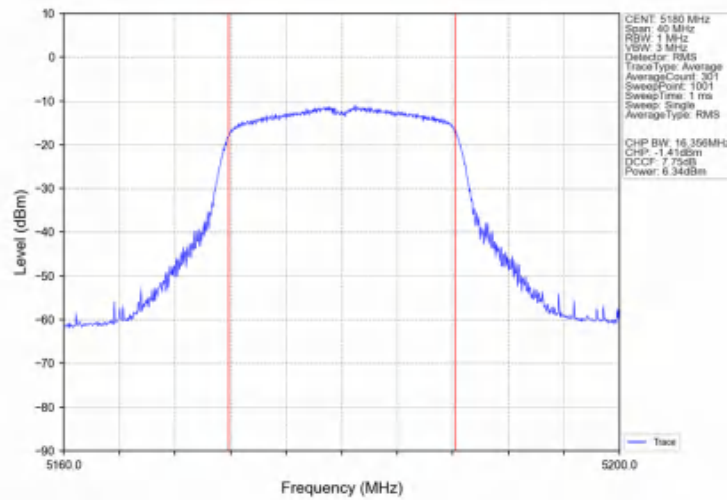
3.2 Test Graph

3.2.1 Power

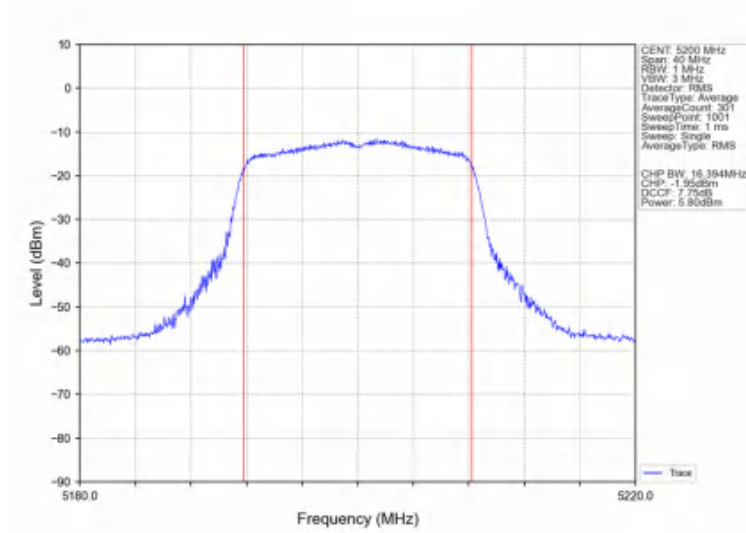
802.11a_LCH_5180MHz_Ant1_NTNV



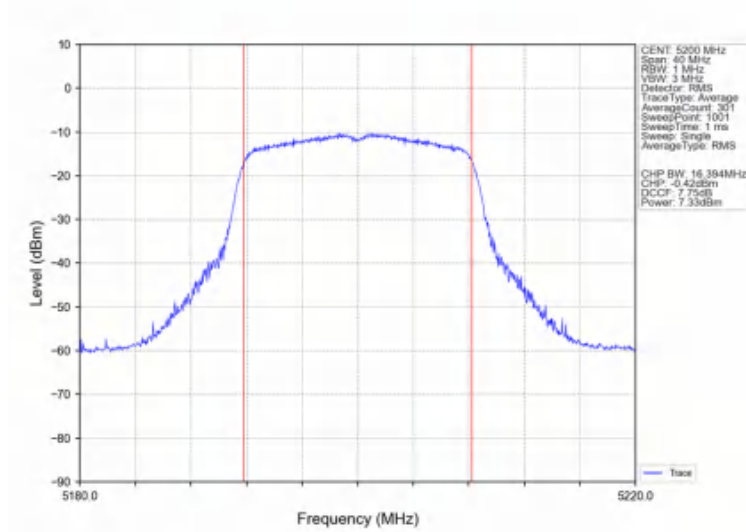
802.11a_LCH_5180MHz_Ant2_NTNV



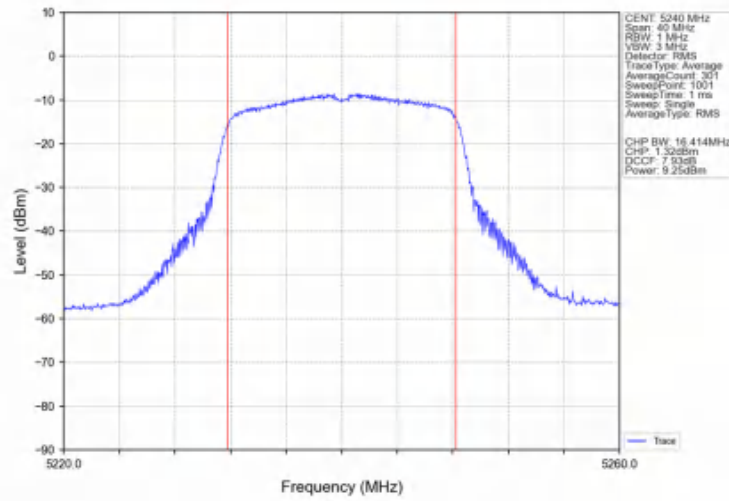
802.11a_MCH_5200MHz_Ant1_NTNV



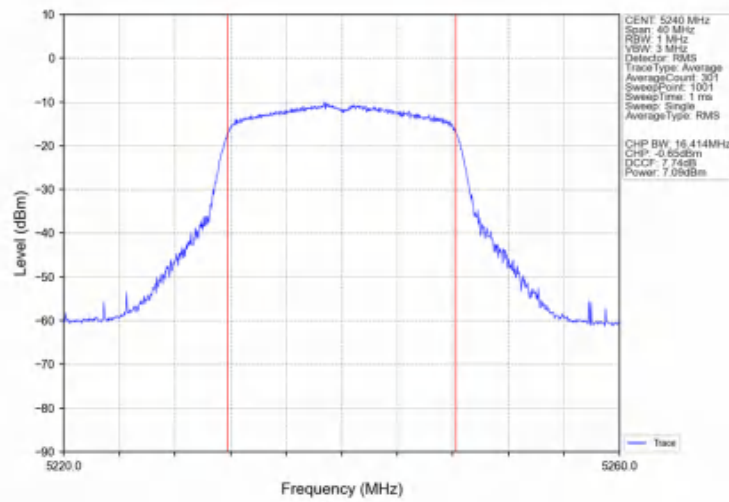
802.11a_MCH_5200MHz_Ant2_NTNV



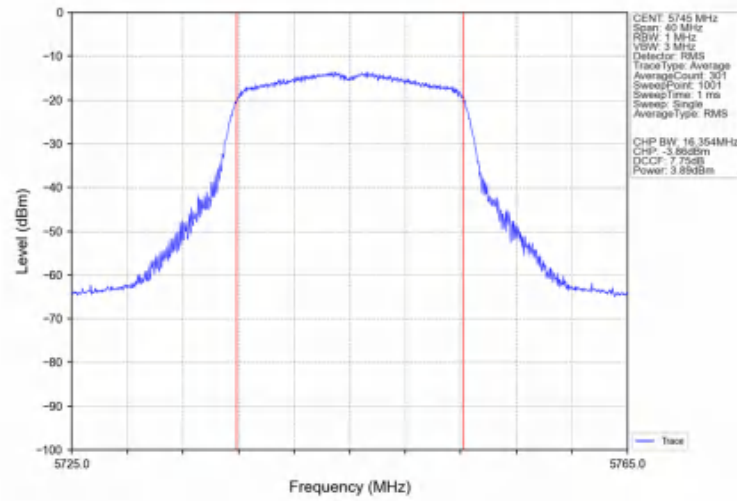
802.11a_HCH_5240MHz_Ant1_NTNV



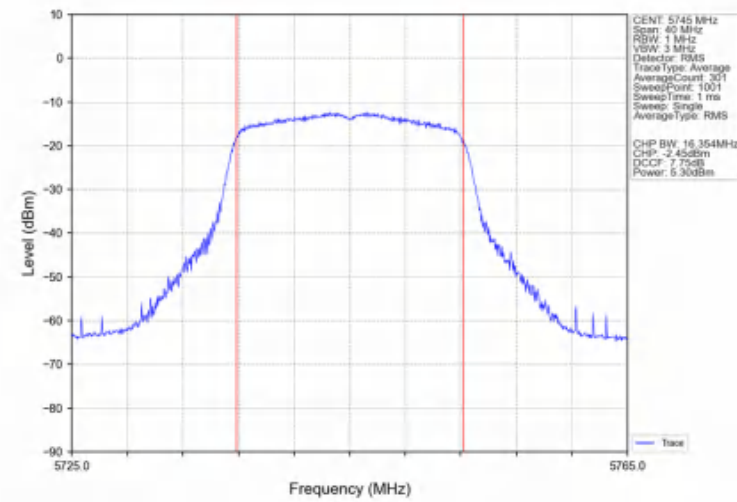
802.11a_HCH_5240MHz_Ant2_NTNV



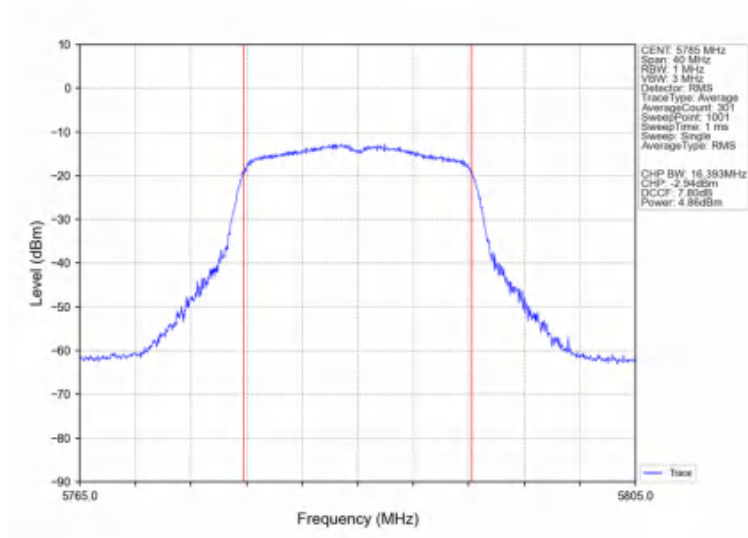
802.11a_LCH_5745MHz_Ant1_NTNV



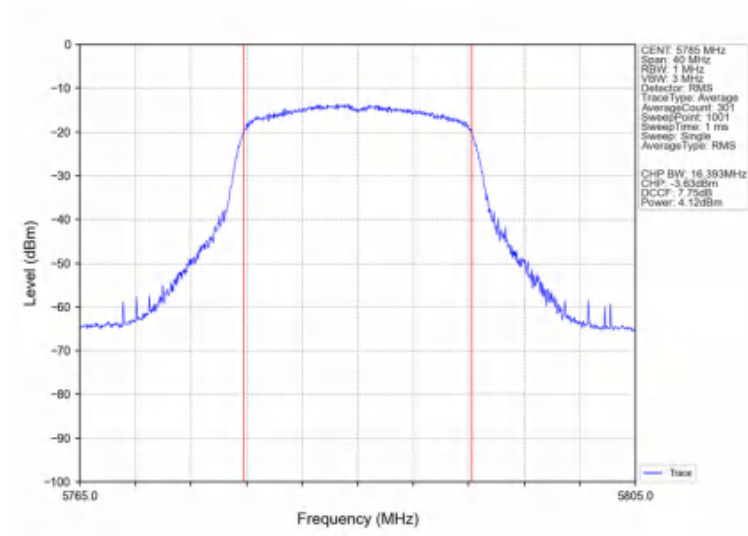
802.11a_LCH_5745MHz_Ant2_NTNV



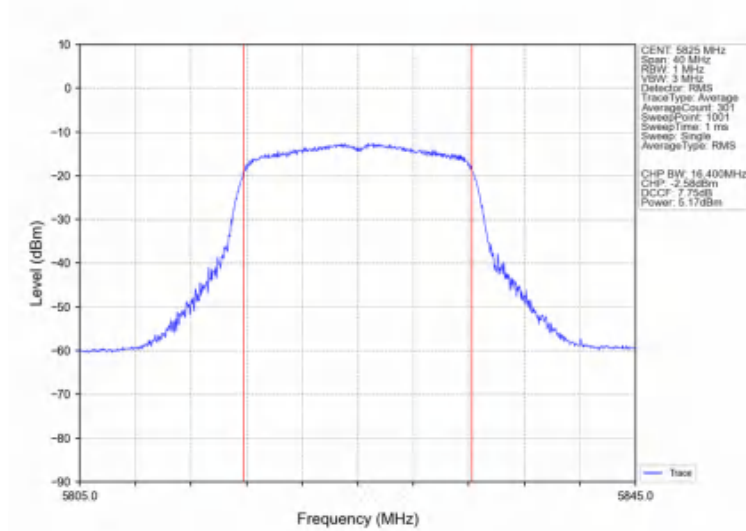
802.11a_MCH_5785MHz_Ant1_NTNV



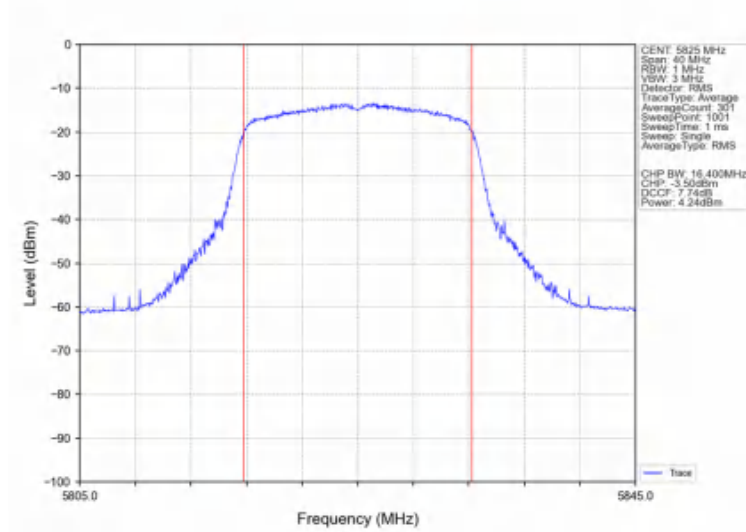
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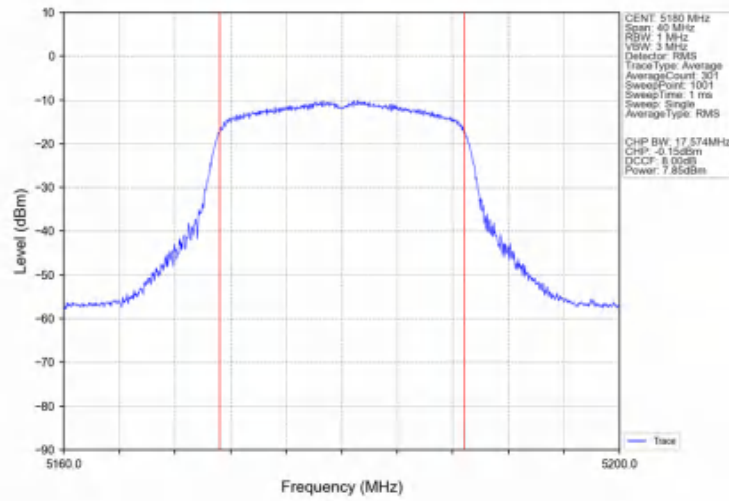
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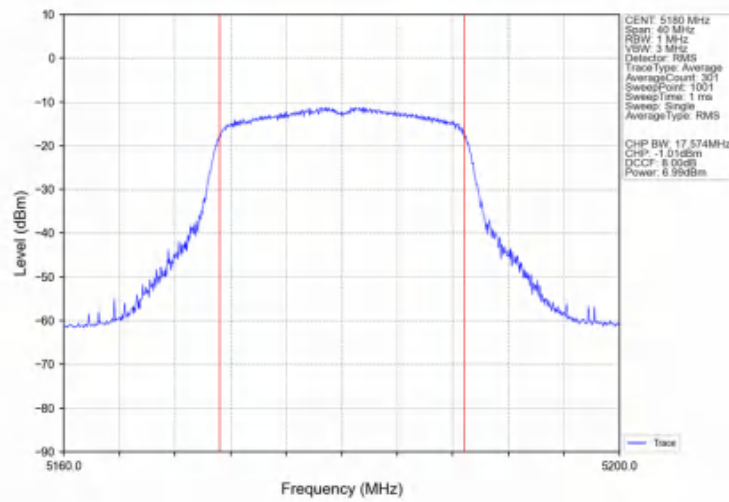
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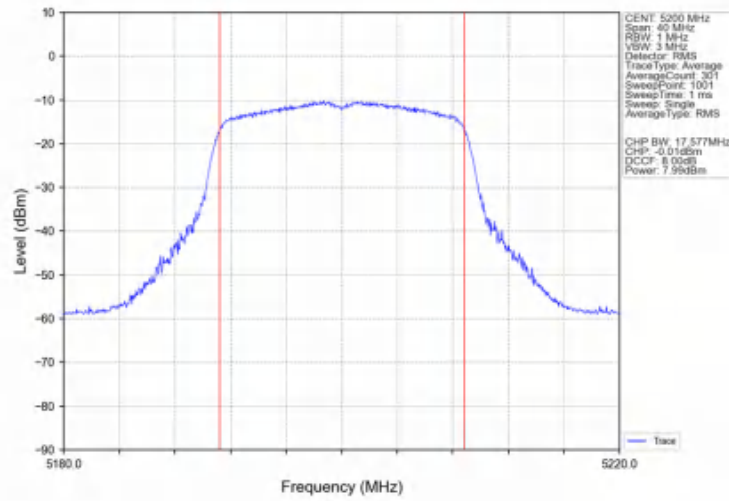
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



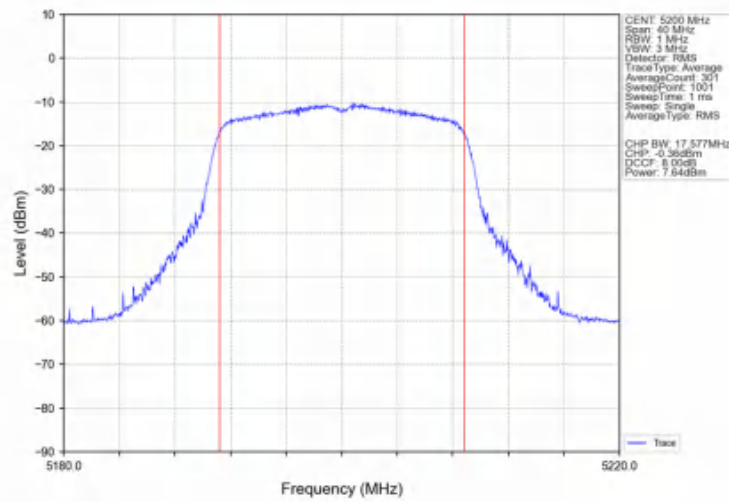
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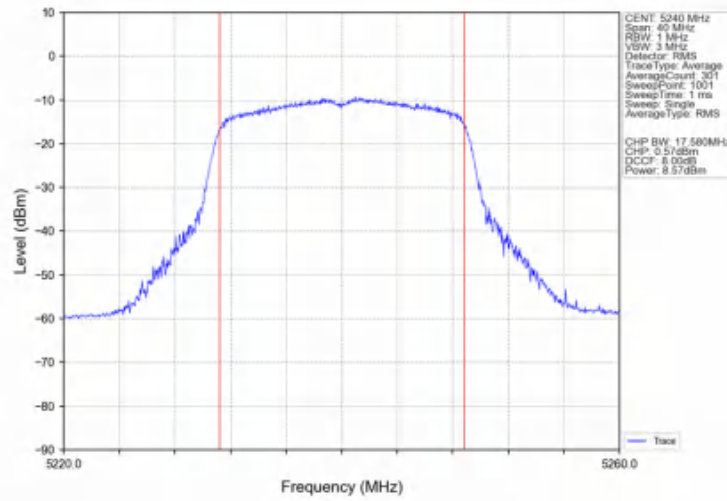
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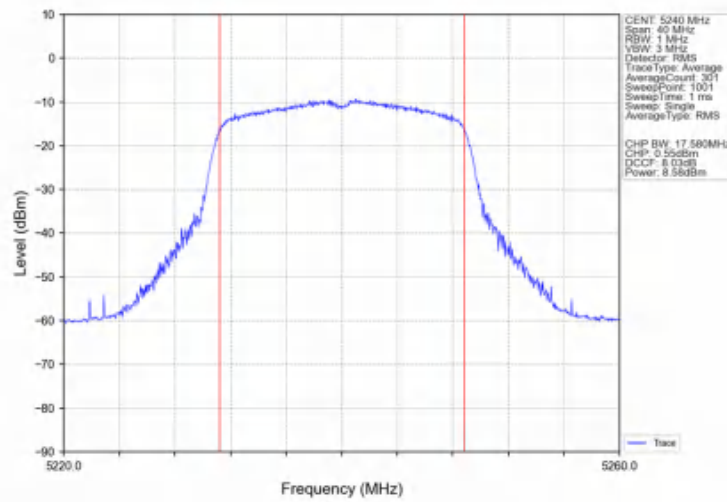
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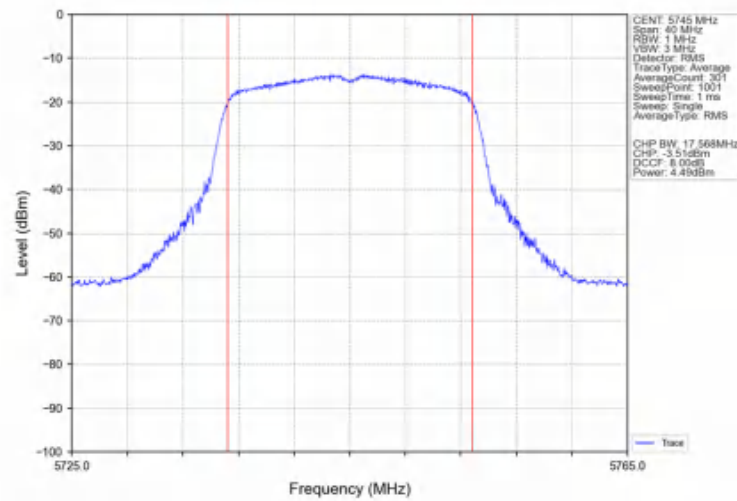
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



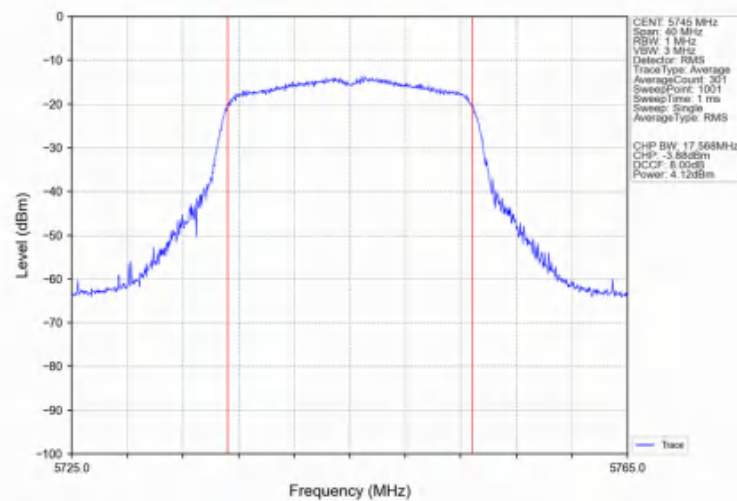
802.11n(HT20)_HCH_5240MHz_Ant2_NTNV



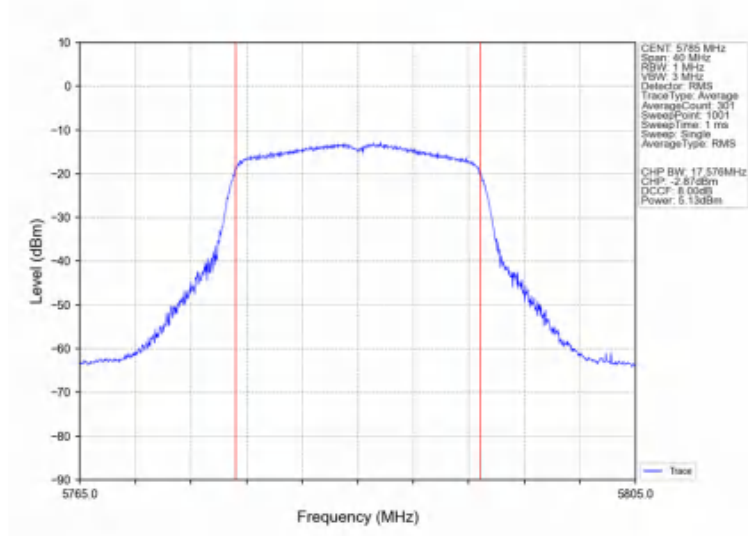
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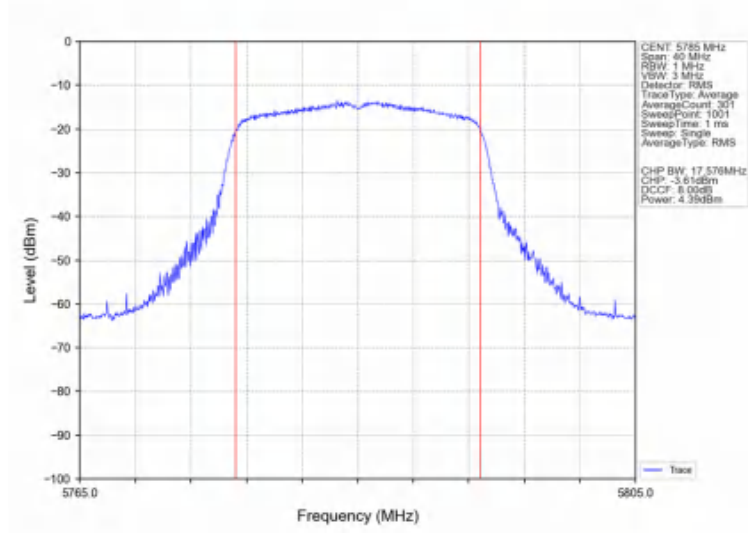
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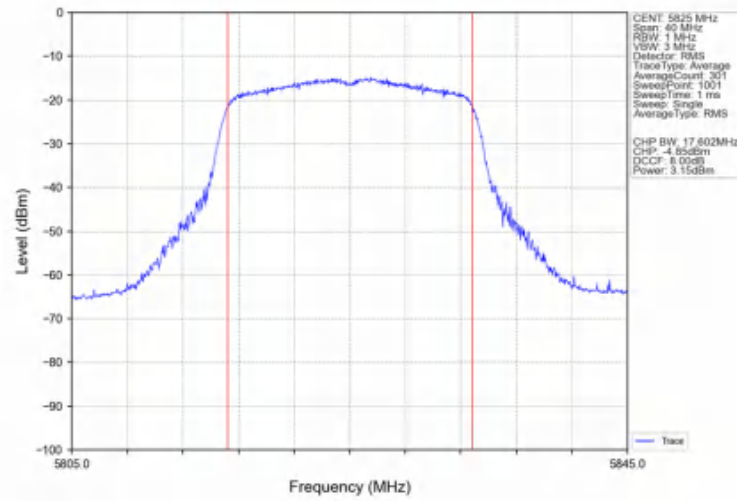
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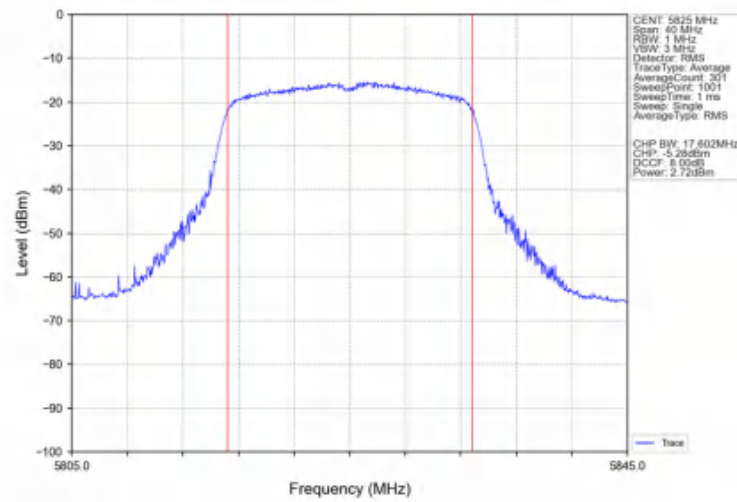
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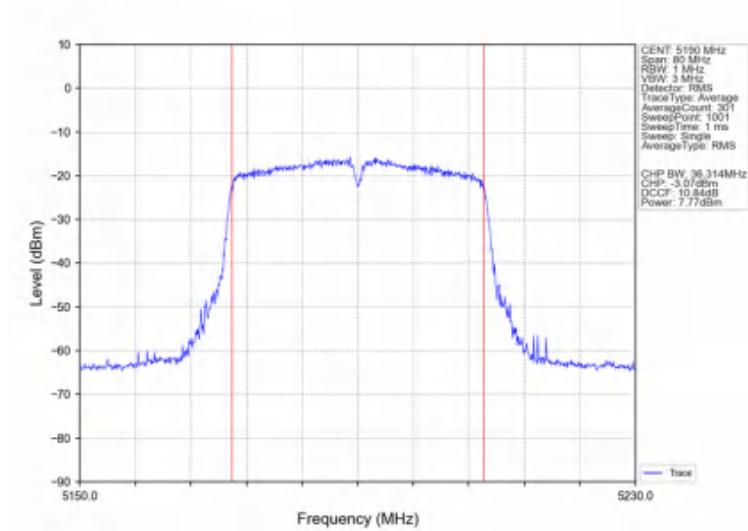
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



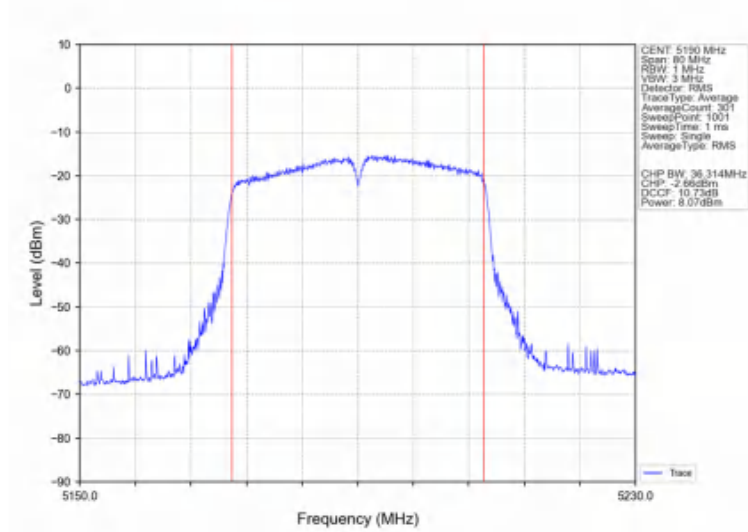
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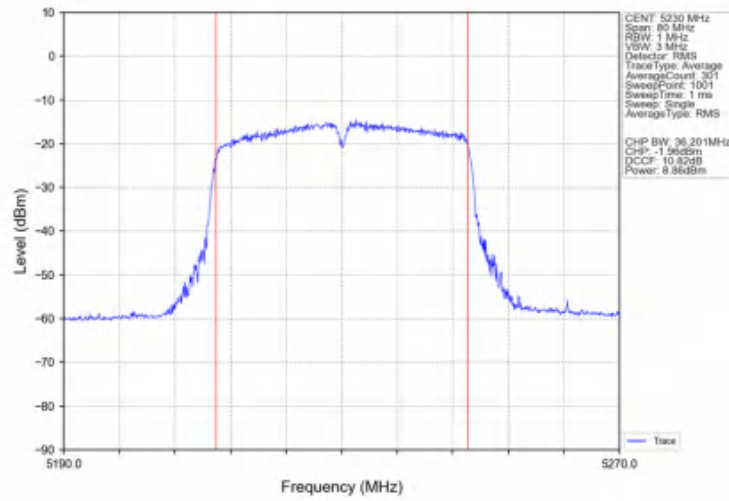
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



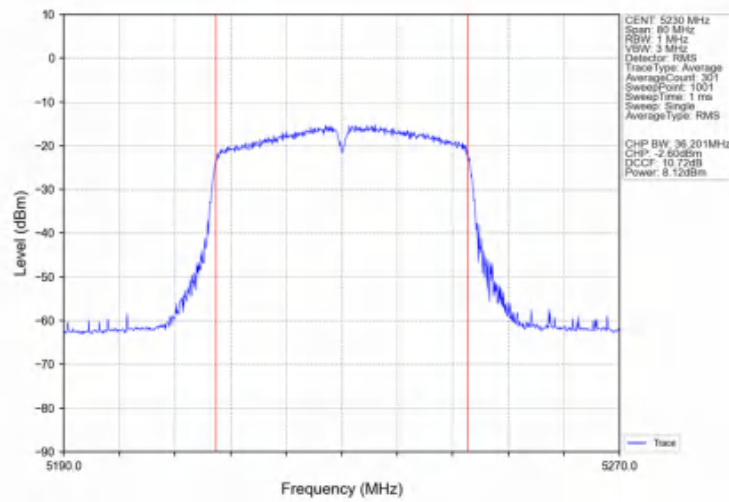
802.11n(HT40) LCH_5190MHz_Ant2_NTNV



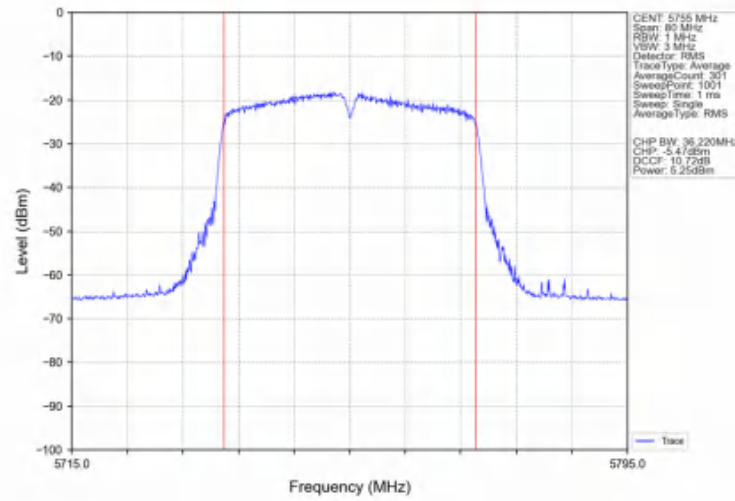
802.11n(HT40) HCH 5230MHz_Ant1_NTNV



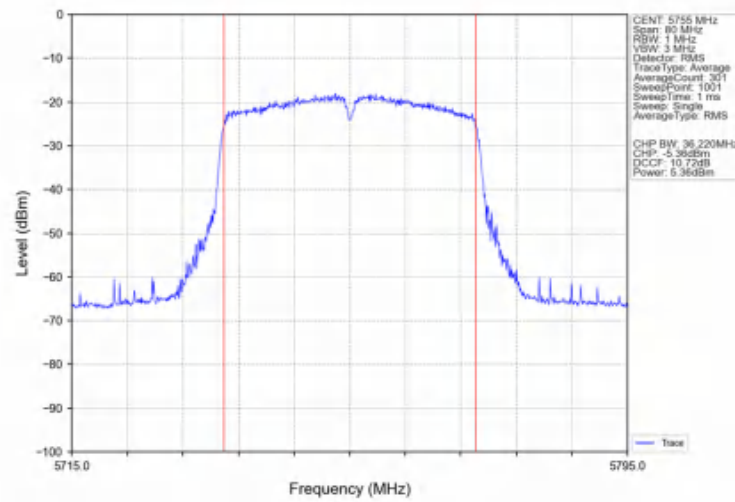
802.11n(HT40) HCH 5230MHz_Ant2_NTNV



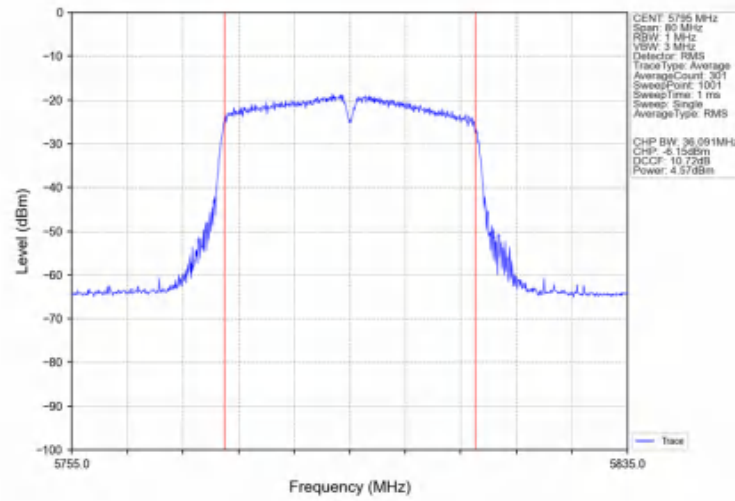
802.11n(HT40) LCH_5755MHz_Ant1_NTNV



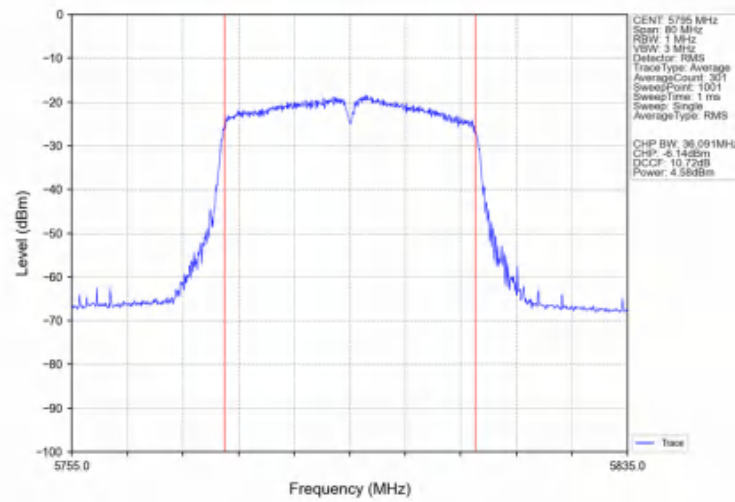
802.11n(HT40) LCH_5755MHz_Ant2_NTNV



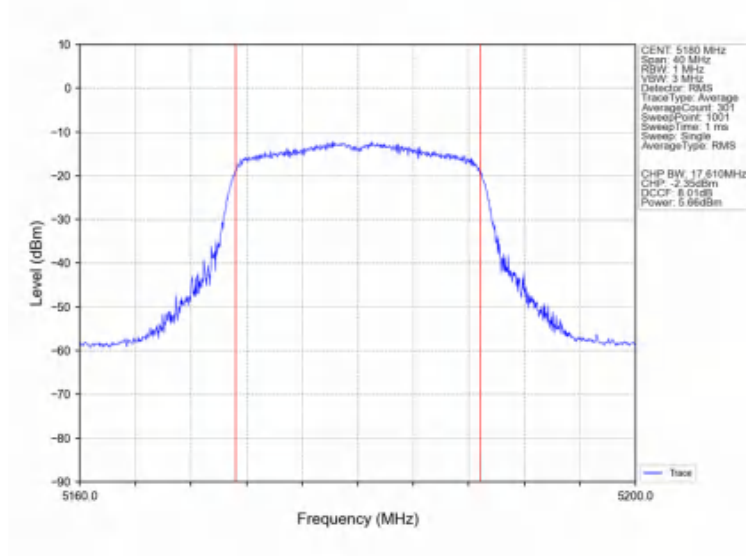
802.11n(HT40) HCH_5795MHz_Ant1_NTNV



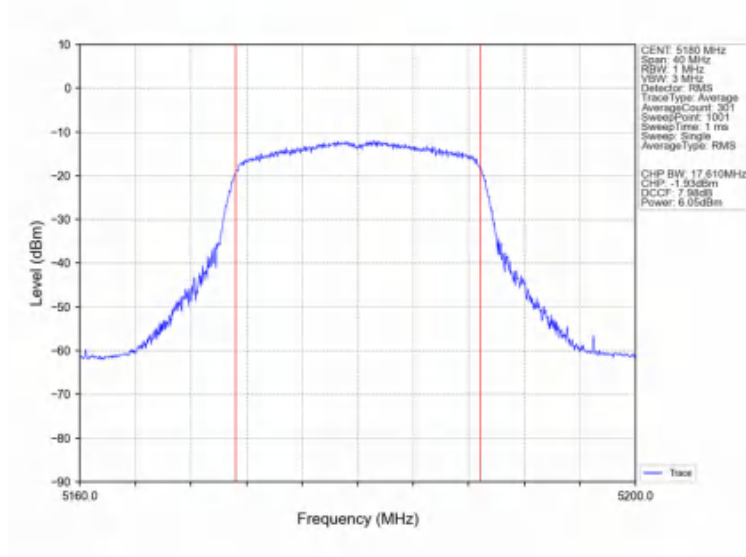
802.11n(HT40) HCH_5795MHz_Ant2_NTNV



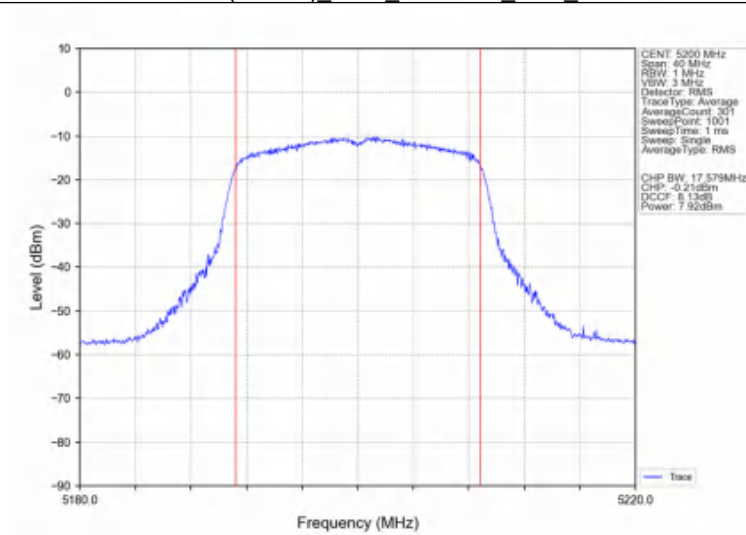
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



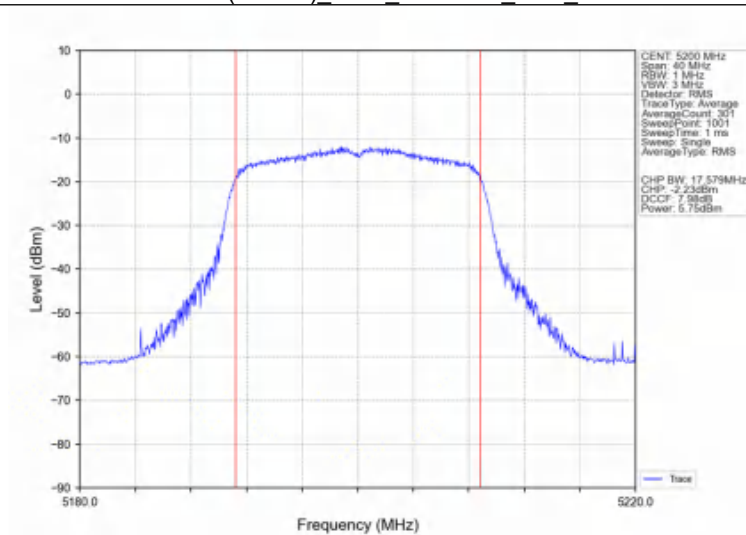
802.11ac(VHT20)_LCH_5180MHz_Ant2_NTNV



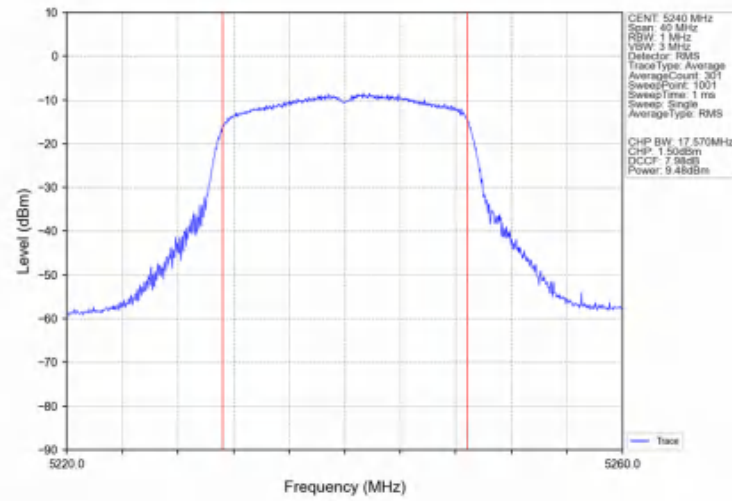
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



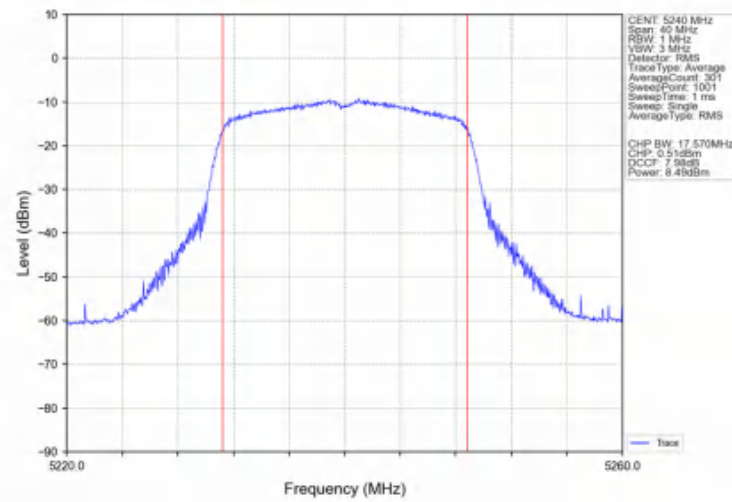
802.11ac(VHT20) MCH_5200MHz_Ant2_NTNV



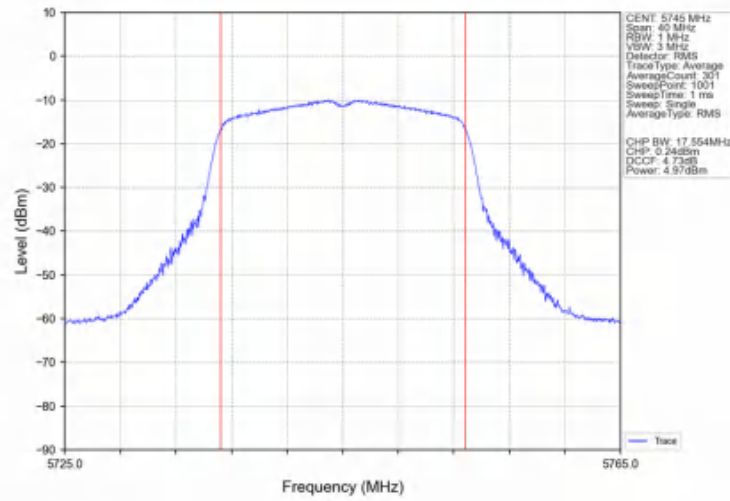
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



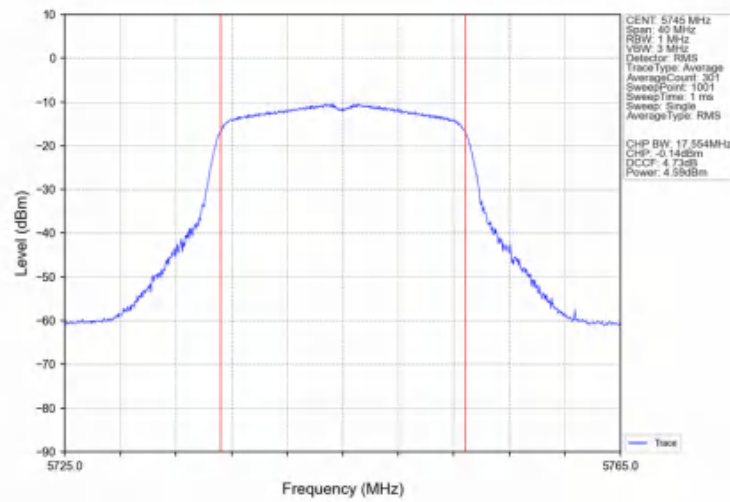
802.11ac(VHT20)_HCH_5240MHz_Ant2_NTNV



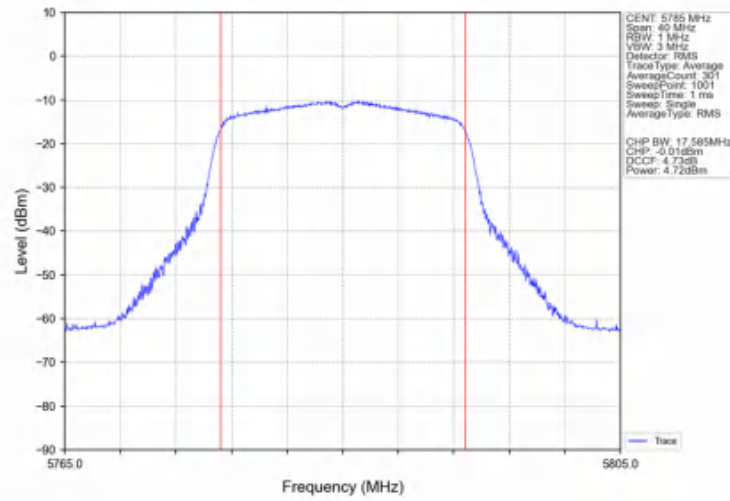
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



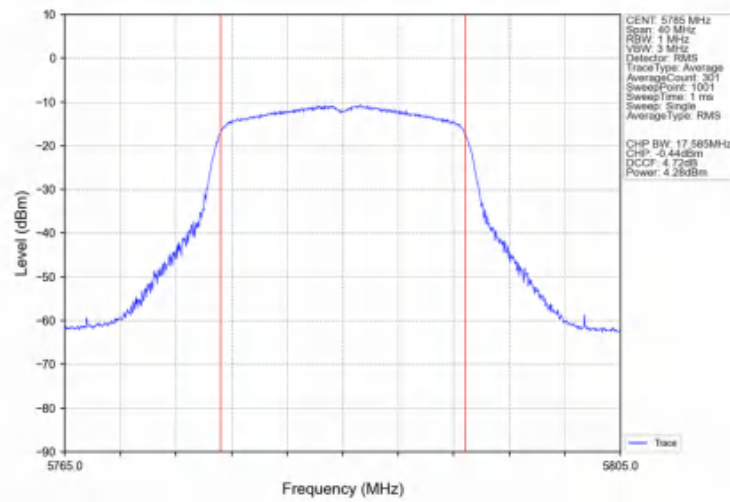
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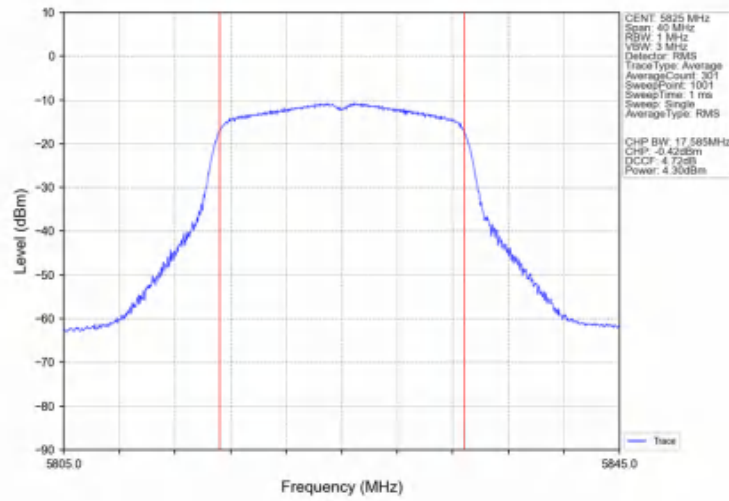
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



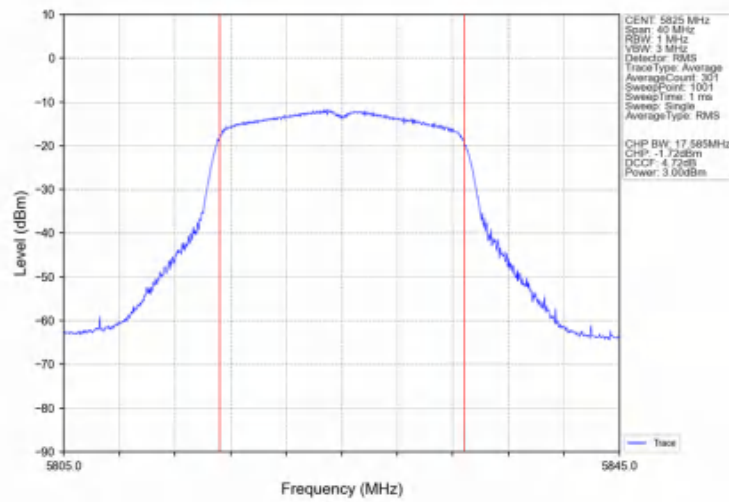
802.11ac(VHT20) MCH_5785MHz_Ant2_NTNV



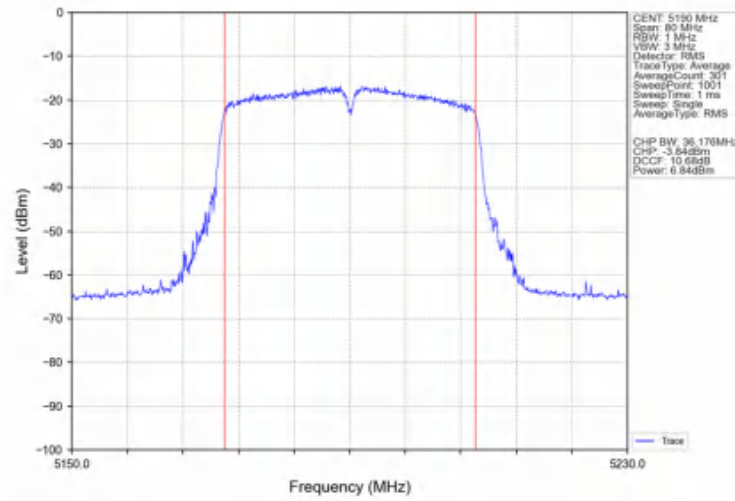
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



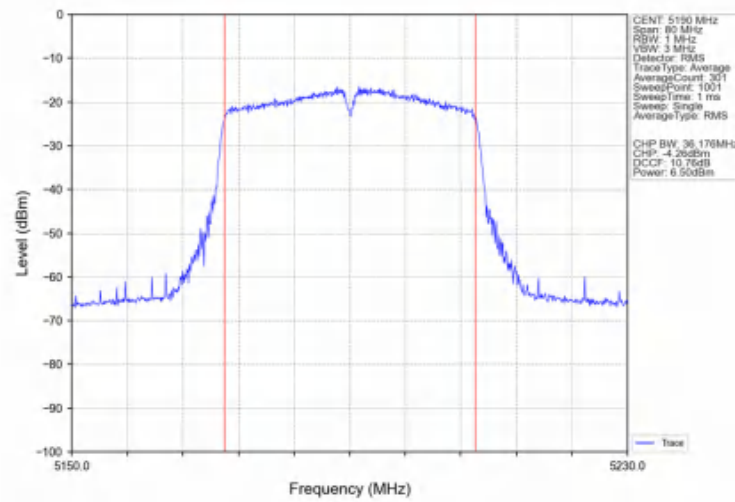
802.11ac(VHT20)_HCH_5825MHz_Ant2_NTNV



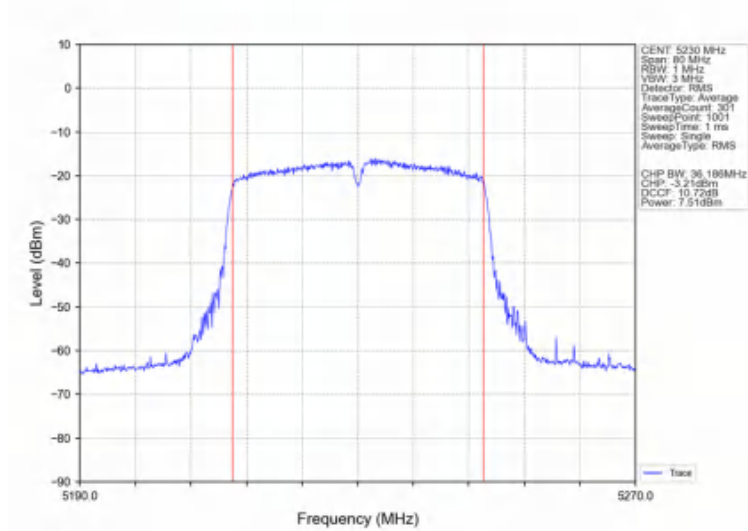
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



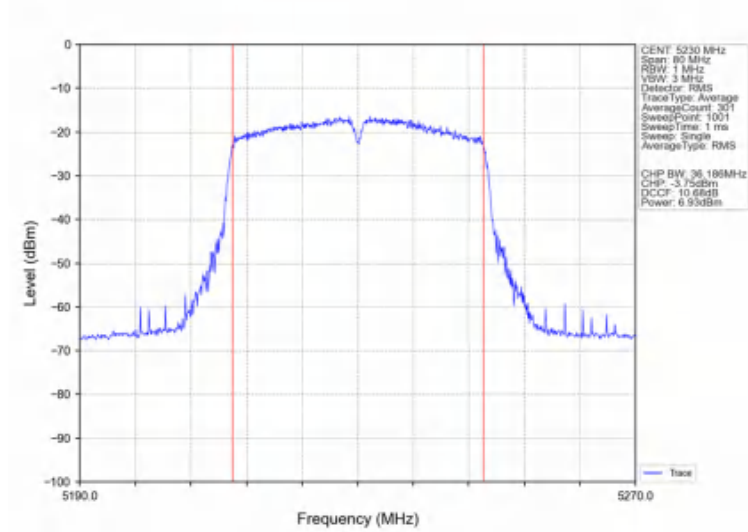
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV



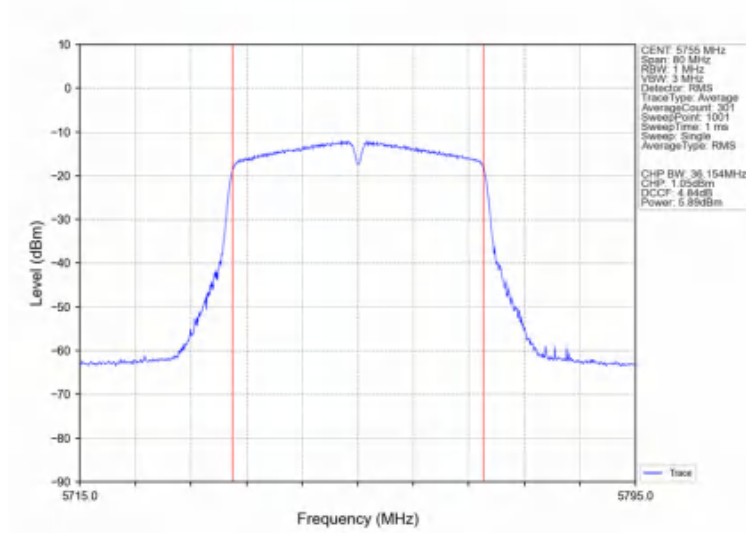
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



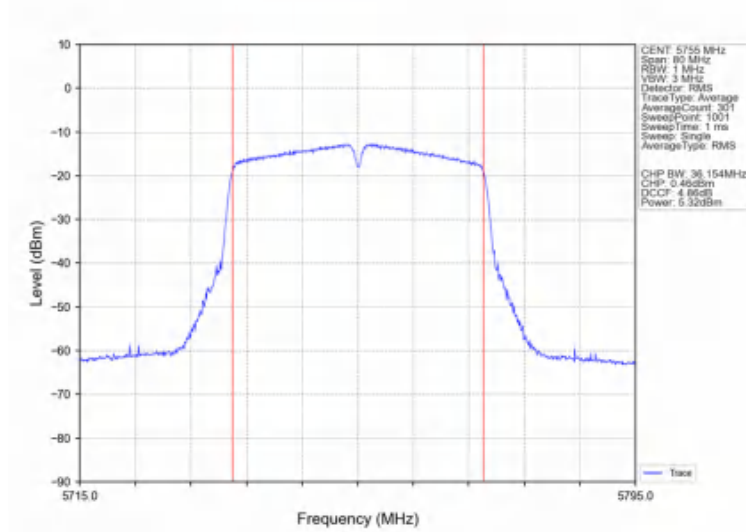
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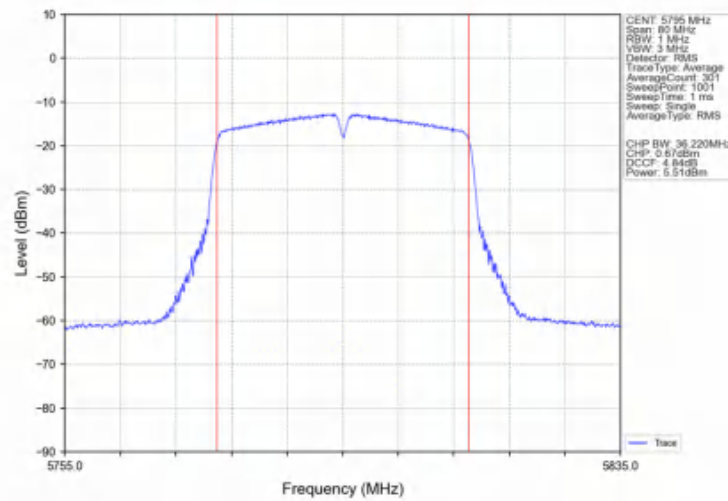
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



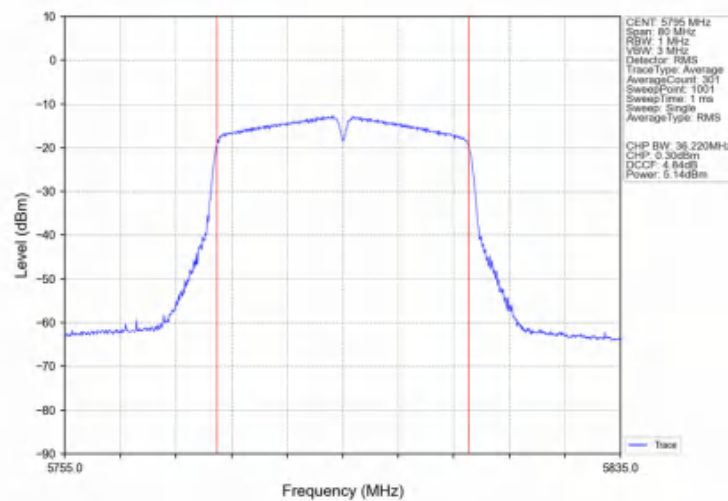
802.11ac(VHT40)_LCH_5755MHz_Ant2_NTNV



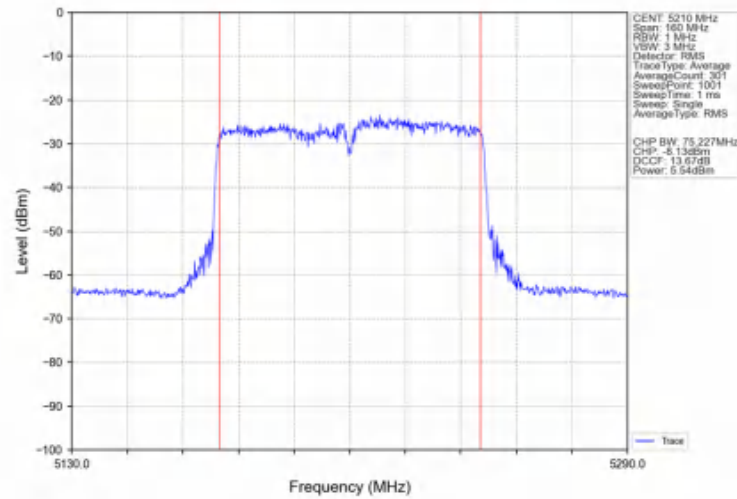
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



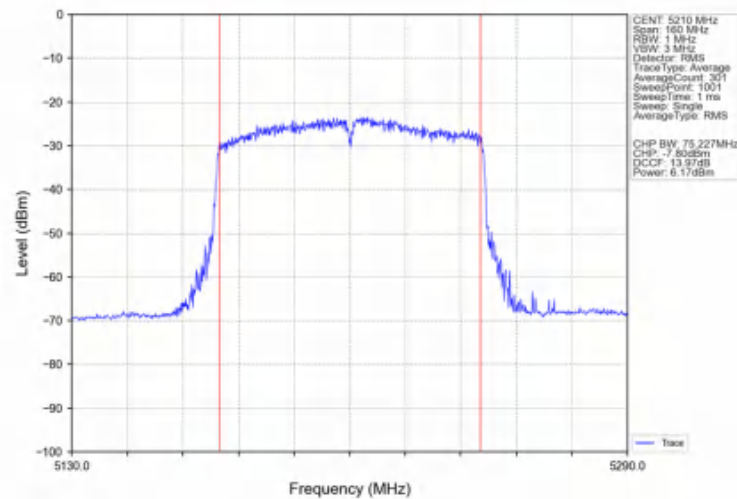
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



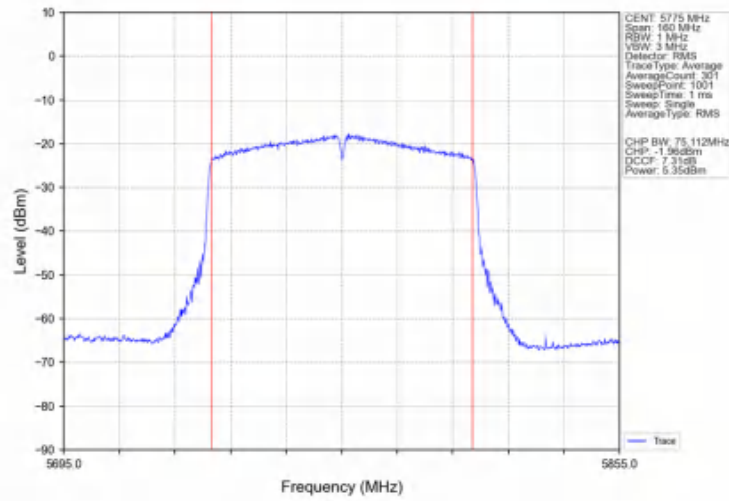
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



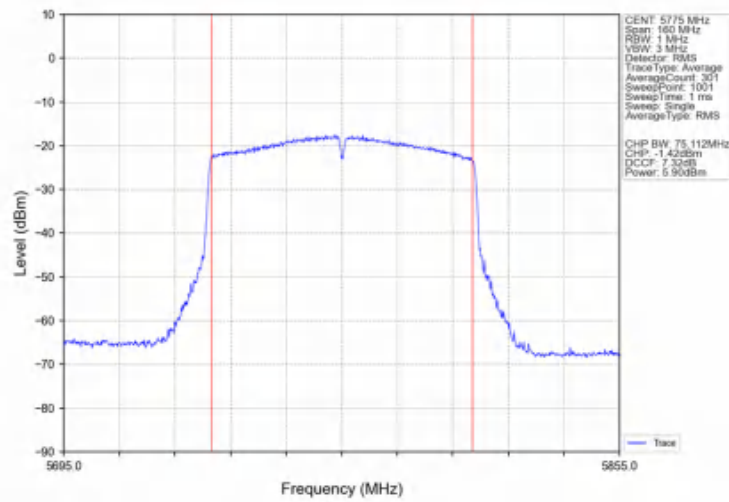
802.11ac(VHT80)_MCH_5210MHz_Ant2_NTNV



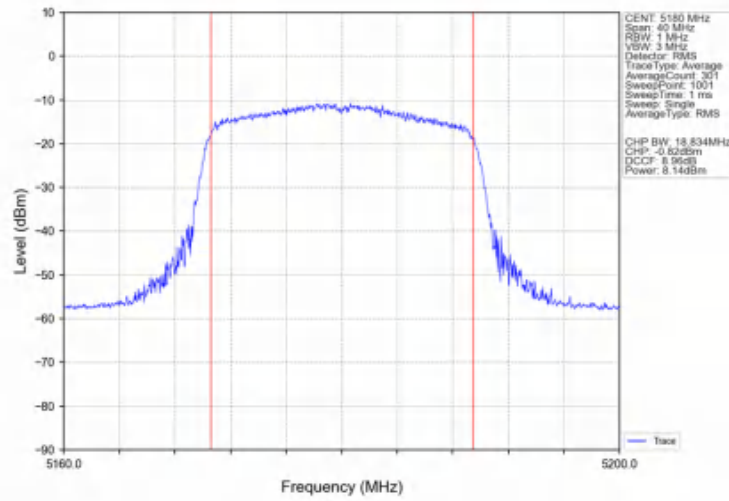
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



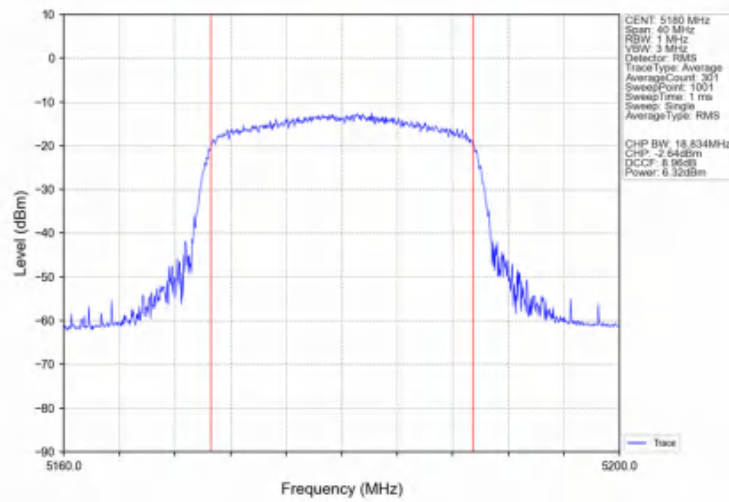
802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



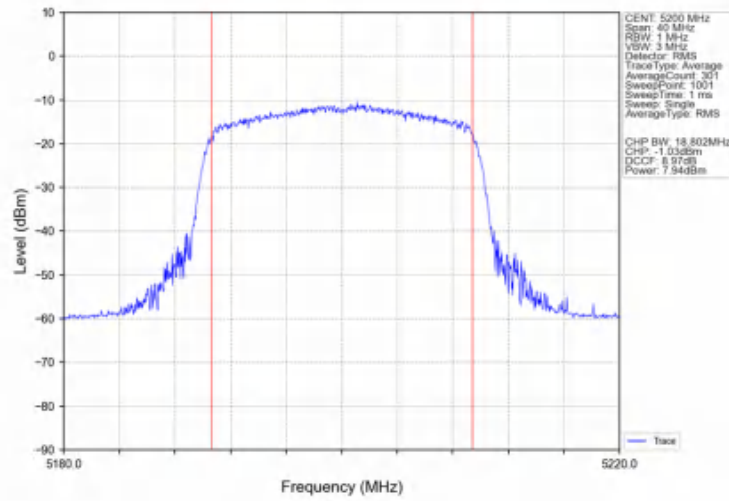
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



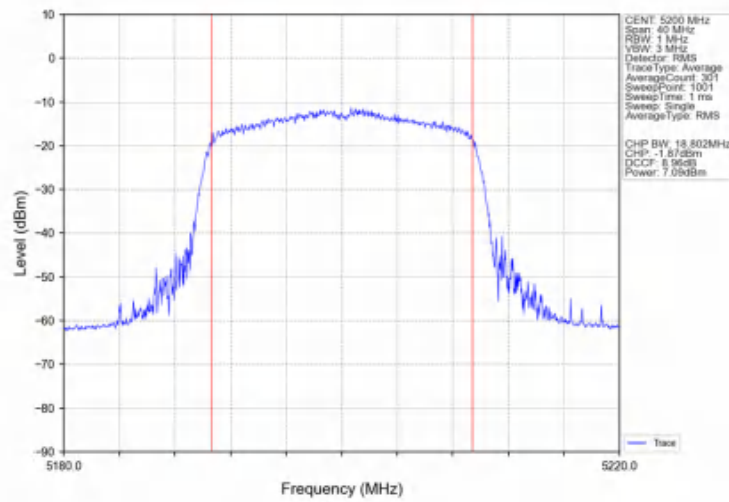
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant2_NTNV



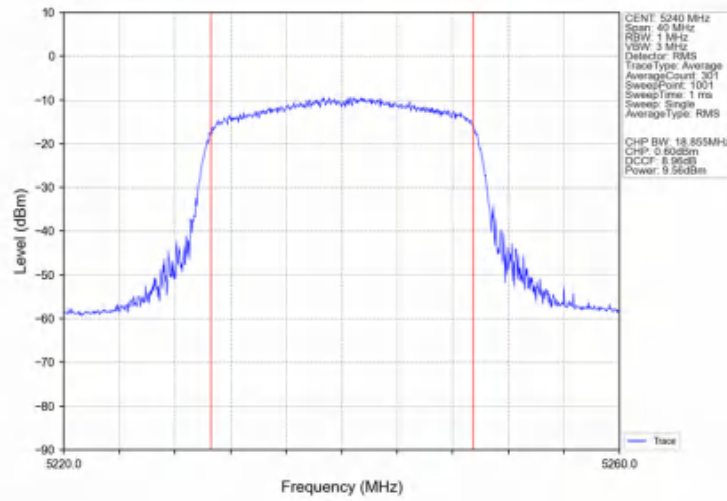
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1 NTN



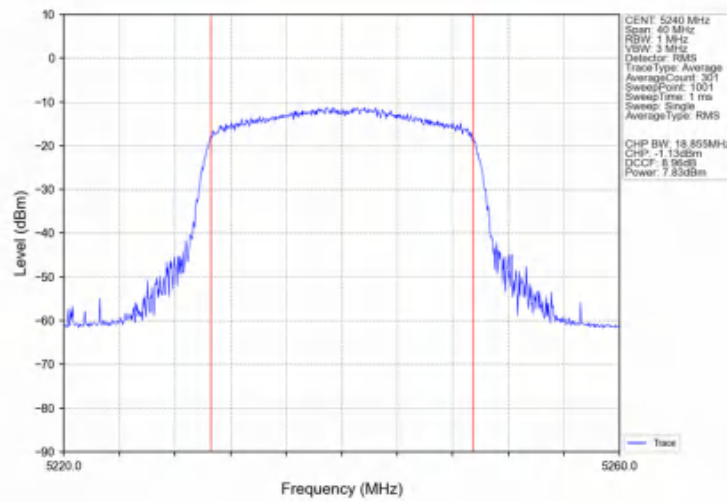
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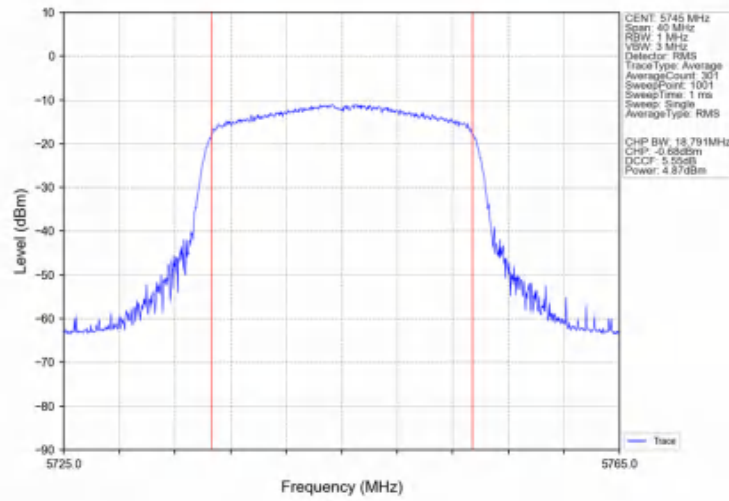
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



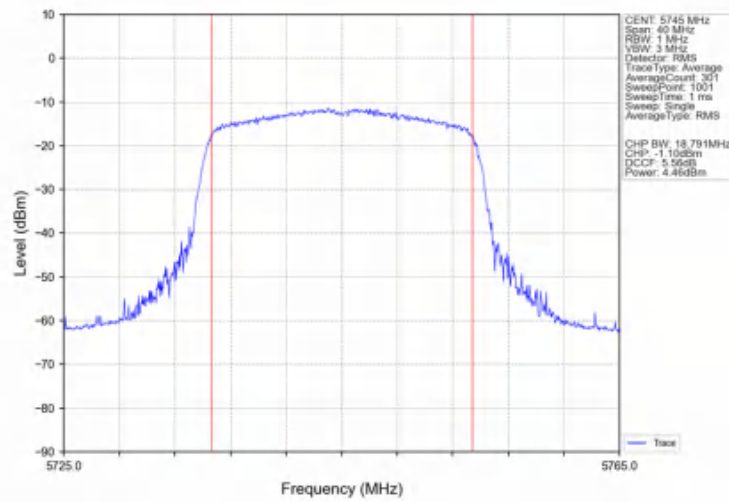
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant2_NTNV



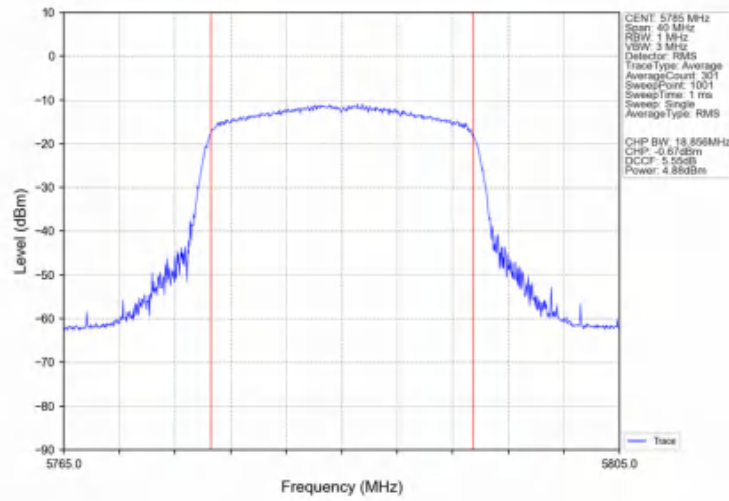
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



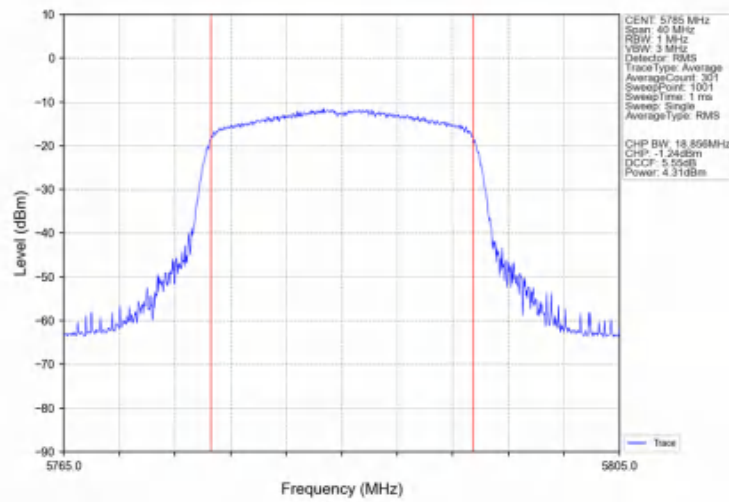
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant2_NTNV



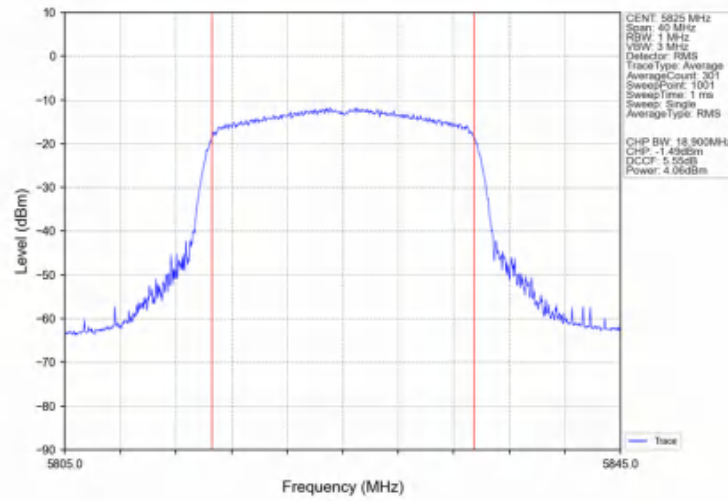
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1 NTNv



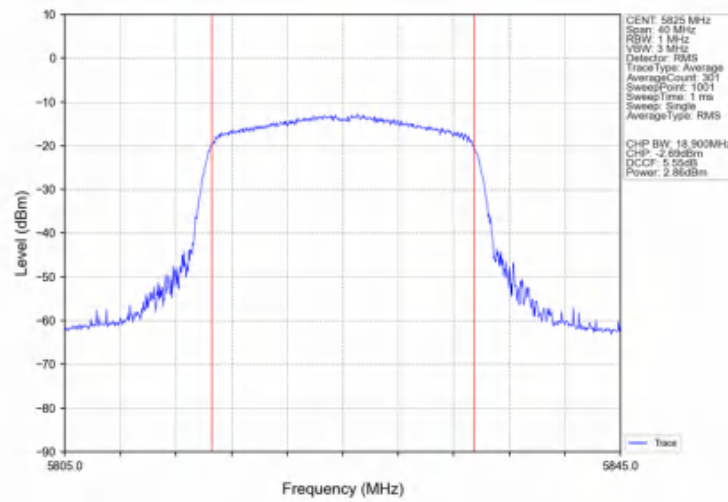
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant2 NTNv



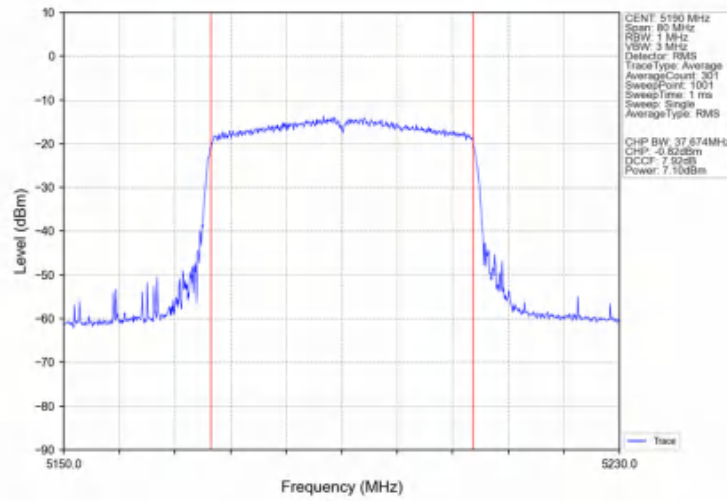
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



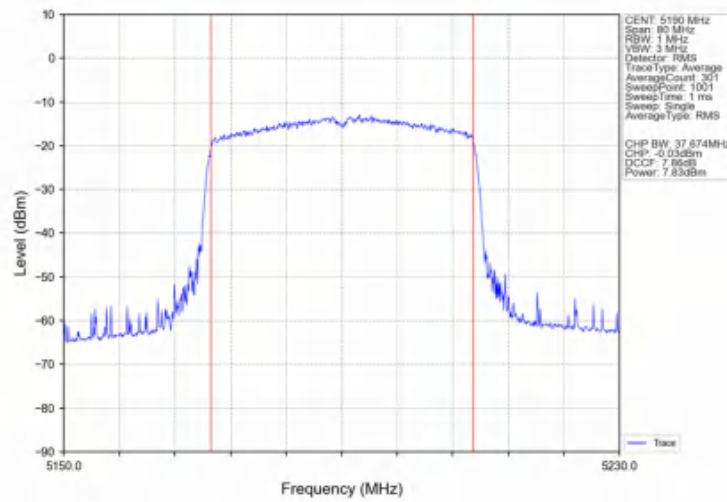
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant2_NTNV



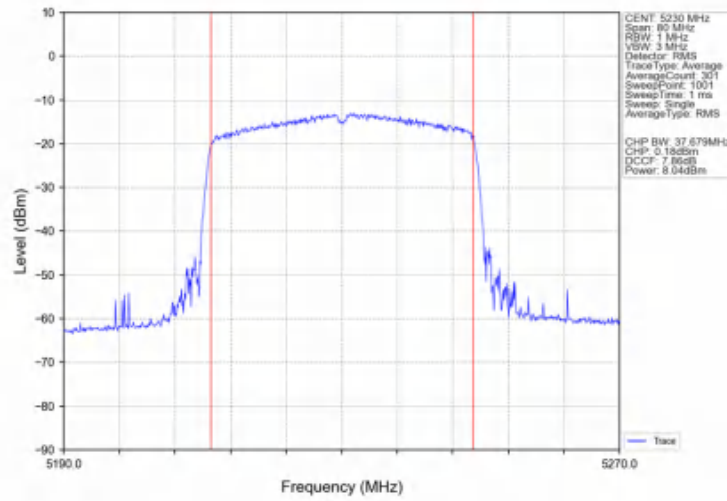
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



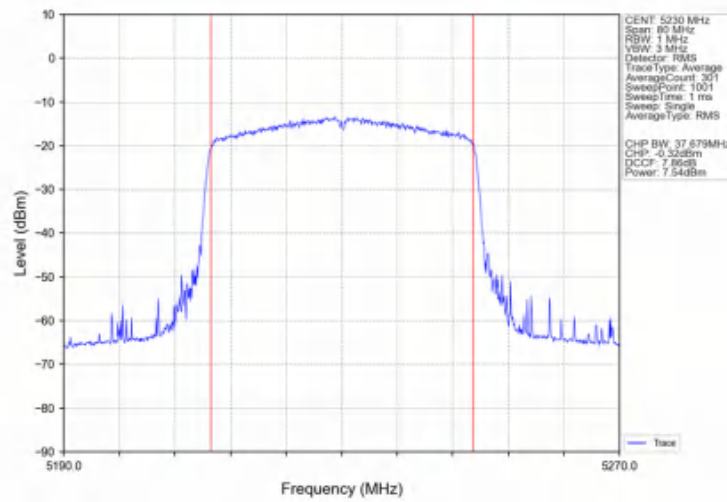
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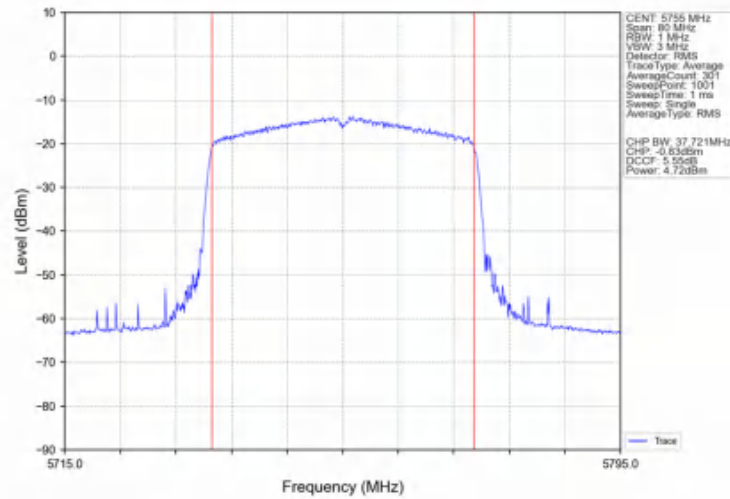
802.11ax(HEW40)_HCH_5230MHz_SU_ / Ant1_NTNV



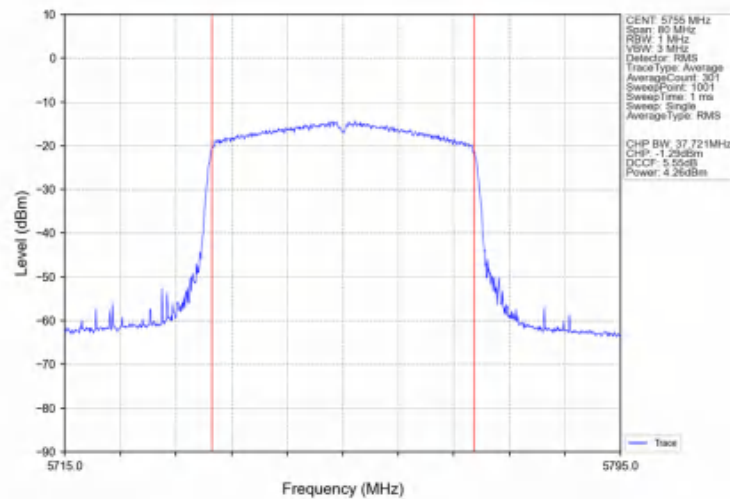
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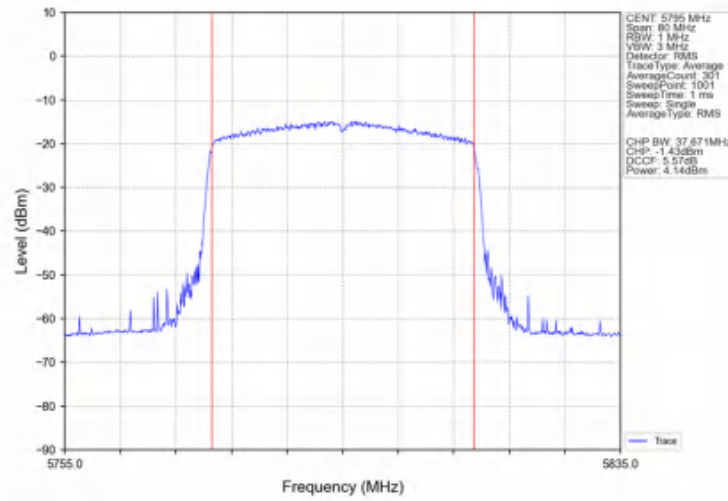
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



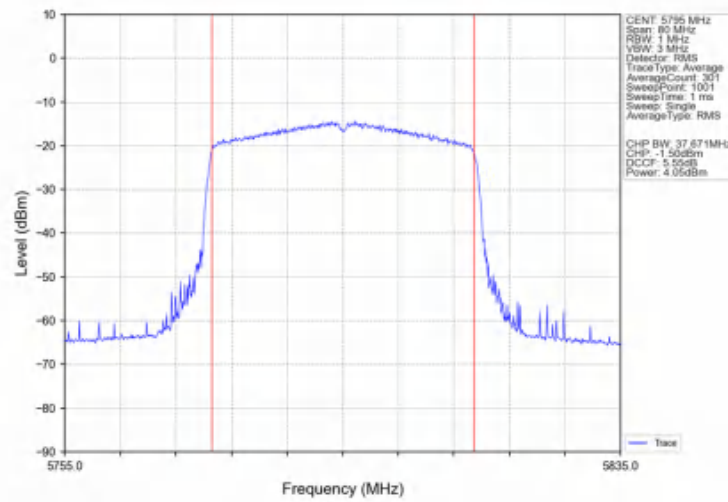
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant2_NTNV



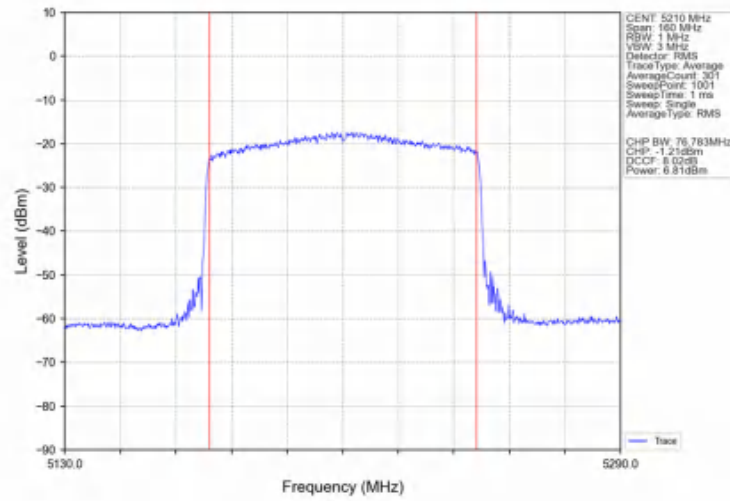
802.11ax(HEW40)_HCH_5795MHz_SU_ / Ant1_NTNV



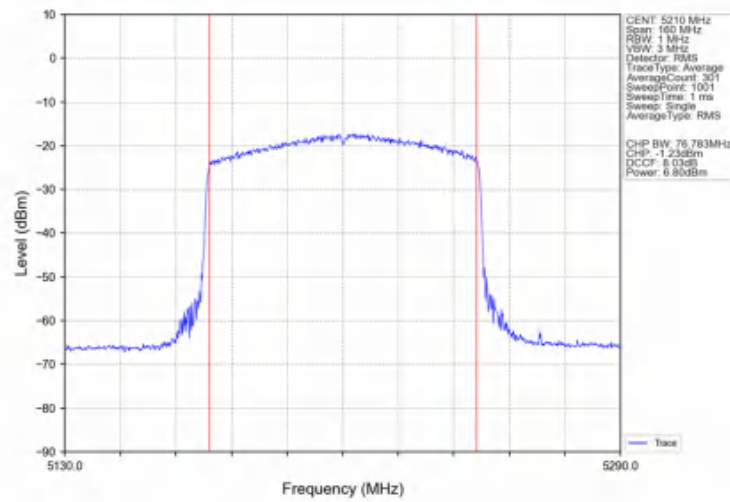
802.11ax(HEW40)_HCH_5795MHz_SU_ / Ant2_NTNV



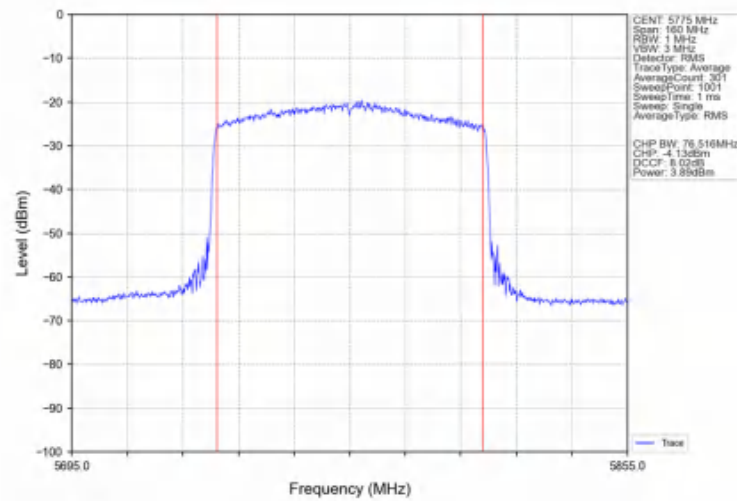
802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1 NTN



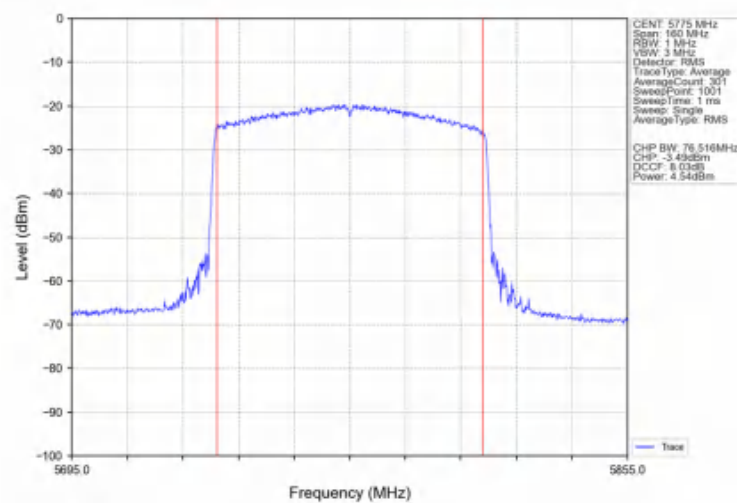
802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant2 NTN



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant1 NTN



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant2 NTN



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	ANT2	MIMO	Limit	
802.11a	SISO	5180	/	/	-5.65	-4.78	/	<=11.00	Pass
		5200	/	/	-1.60	-3.31	/	<=11.00	Pass
		5240	/	/	-0.71	-2.33	/	<=11.00	Pass
802.11n (HT20)	MIMO	5180	/	/	-1.94	-2.71	0.50	<=11.00	Pass
		5200	/	/	-1.68	-1.91	0.96	<=11.00	Pass
		5240	/	/	-0.62	-1.79	1.71	<=11.00	Pass
802.11n (HT40)	MIMO	5190	/	/	-4.50	-5.25	-2.20	<=11.00	Pass
		5230	/	/	-4.00	-4.45	-1.54	<=11.00	Pass
802.11ac (VHT20)	MIMO	5180	/	/	-2.44	-2.47	0.34	<=11.00	Pass
		5200	/	/	-2.01	-3.00	0.40	<=11.00	Pass
		5240	/	/	-0.52	-3.20	1.26	<=11.00	Pass
802.11ac (VHT40)	MIMO	5190	/	/	-6.07	-5.65	-3.03	<=11.00	Pass
		5230	/	/	-5.93	-6.54	-3.63	<=11.00	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-8.18	-8.40	-5.49	<=11.00	Pass
802.11ax (HEW20)	MIMO	5180	SU	/	-2.09	-3.79	-0.17	<=11.00	Pass
		5200	SU	/	-2.30	-2.54	0.48	<=11.00	Pass
		5240	SU	/	-1.00	-1.54	1.59	<=11.00	Pass
802.11ax (HEW40)	MIMO	5190	SU	/	-4.41	-6.72	-2.82	<=11.00	Pass
		5230	SU	/	-6.21	-6.35	-3.53	<=11.00	Pass
802.11ax (HEW80)	MIMO	5210	SU	/	-8.74	-9.88	-6.30	<=11.00	Pass

Note1: Antenna Gain: Ant1: 2.26dBi; Ant2: 2.83dBi; Directional gain: 5.56dBi

Note2: Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})^2 / NANT]$, where G is the antenna gain in dBi, NANT it's the number of antennas.

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	/	/	-8.07	-7.09	/	<=30	Pass
		5785	/	/	-8.24	-7.36	/	<=30	Pass
		5825	/	/	-6.45	-7.07	/	<=30	Pass
802.11n (HT20)	MIMO	5745	/	/	-8.04	-8.68	-5.43	<=30	Pass
		5785	/	/	-8.57	-8.36	-5.61	<=30	Pass
		5825	/	/	-10.71	-9.50	-7.16	<=30	Pass
802.11n (HT40)	MIMO	5755	/	/	-9.64	-10.08	-7.17	<=30	Pass
		5795	/	/	-10.17	-10.87	-7.85	<=30	Pass
802.11ac (VHT20)	MIMO	5745	/	/	-7.84	-8.51	-5.34	<=30	Pass
		5785	/	/	-8.03	-8.65	-5.33	<=30	Pass
		5825	/	/	-8.80	-10.05	-6.55	<=30	Pass
802.11ac (VHT40)	MIMO	5755	/	/	-9.98	-10.23	-7.25	<=30	Pass
		5795	/	/	-10.80	-10.93	-8.14	<=30	Pass
802.11ac (VHT80)	MIMO	5775	/	/	-13.85	-13.55	-10.85	<=30	Pass
802.11ax	MIMO	5745	SU	/	-8.05	-7.96	-5.03	<=30	Pass

(HEW20)		5785	SU	/	-8.00	-8.98	-5.60	<=30	Pass
		5825	SU	/	-8.92	-10.06	-6.80	<=30	Pass
802.11ax (HEW40)	MIMO	5755	SU	/	-11.08	-11.39	-8.51	<=30	Pass
		5795	SU	/	-11.25	-11.63	-8.62	<=30	Pass
802.11ax (HEW80)	MIMO	5775	SU	/	-13.09	-14.92	-11.22	<=30	Pass

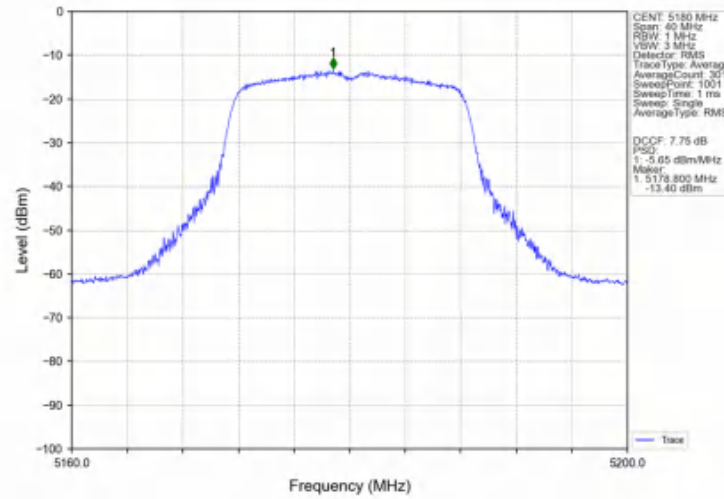
Note1: Antenna Gain: Ant1: 2.26dBi; Ant2: 2.83dBi; Directional gain : 5.56dBi

Note2: Directional gain = $10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10})^2 / N_{ANT}]$, where G is the antenna gain in dBi, NANT it's the number of antennas.

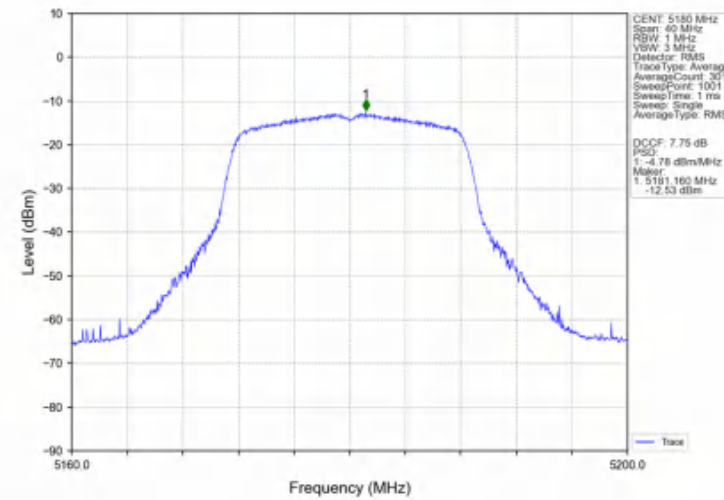
4.2 Test Graph

4.2.1 PSD

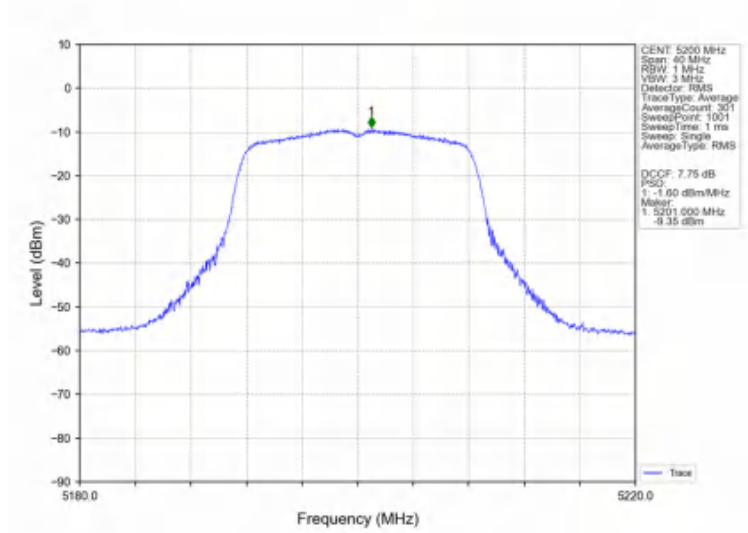
802.11a_LCH_5180MHz_Ant1_NTNV



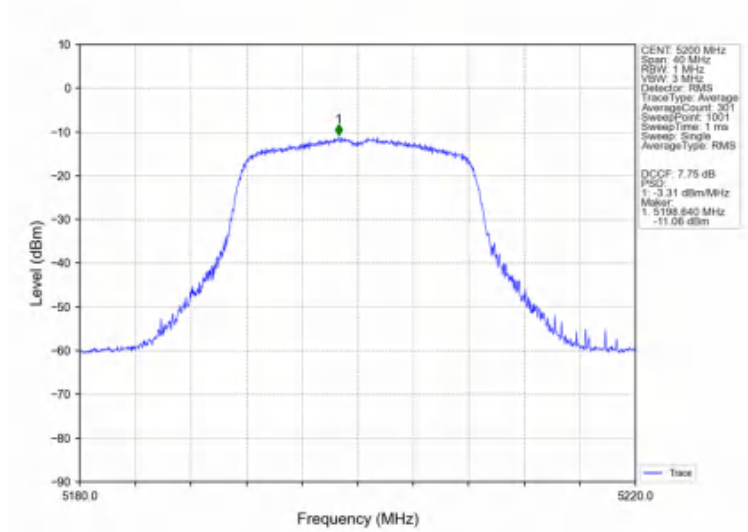
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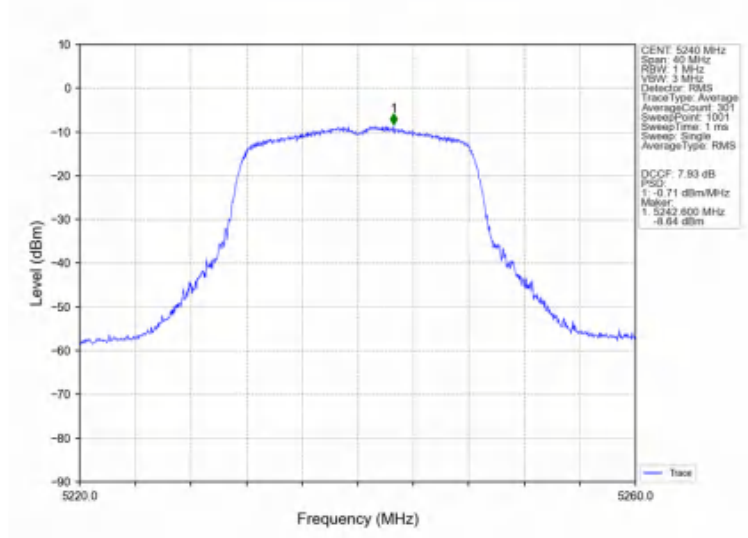
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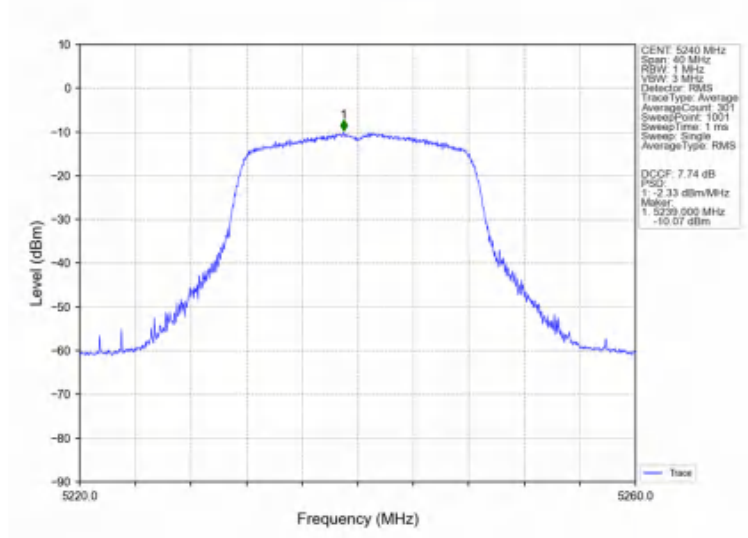
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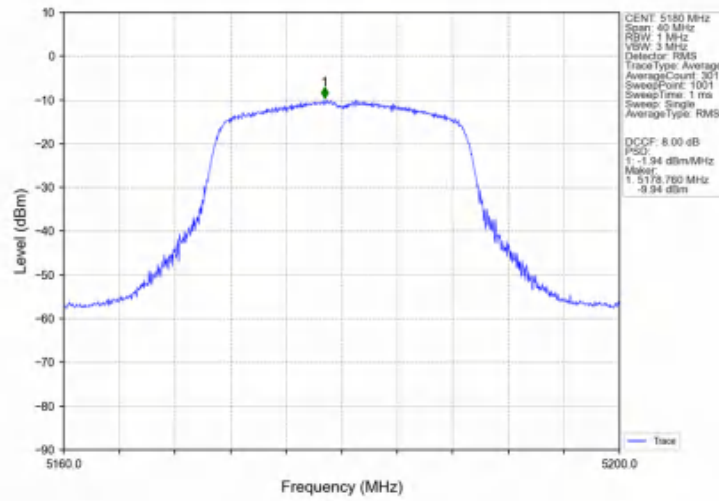
802.11a_HCH_5240MHz_Ant1_NTNV



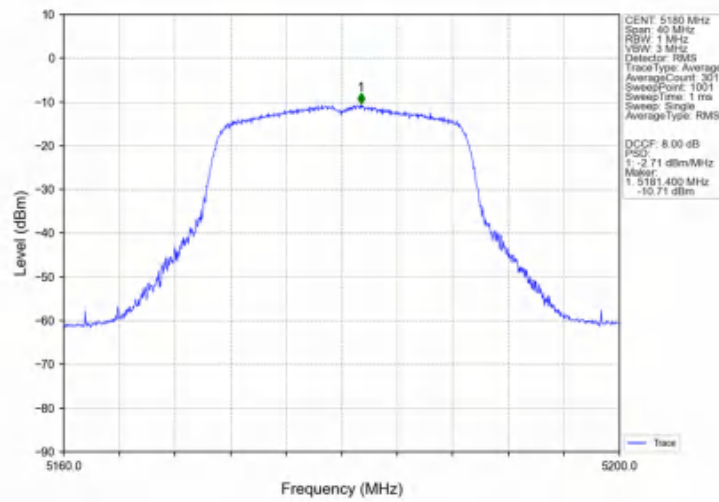
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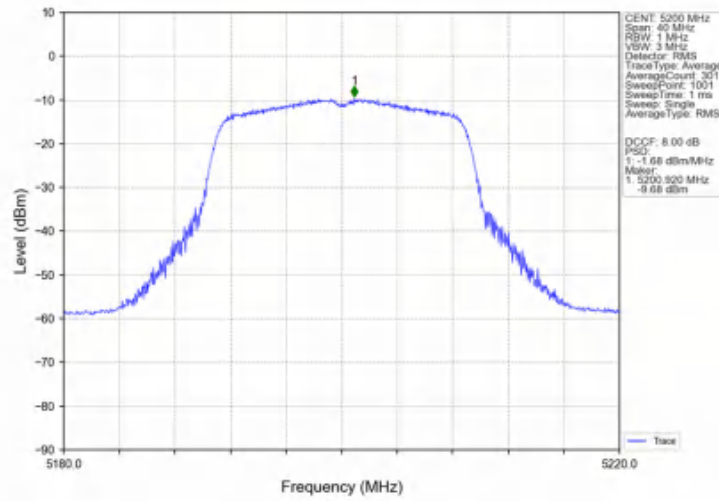
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



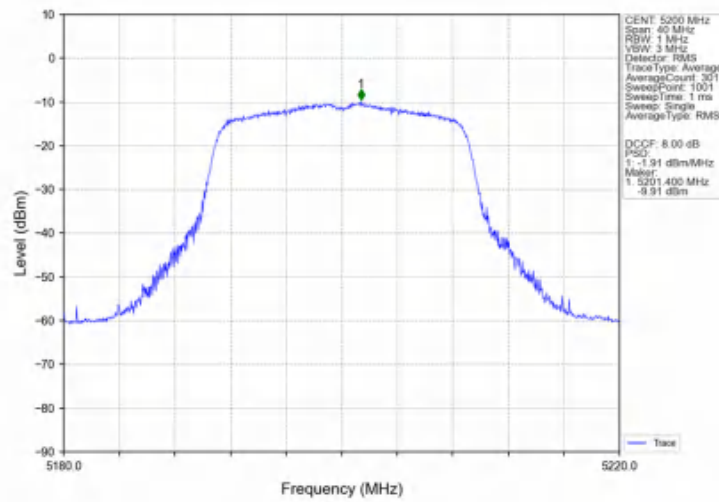
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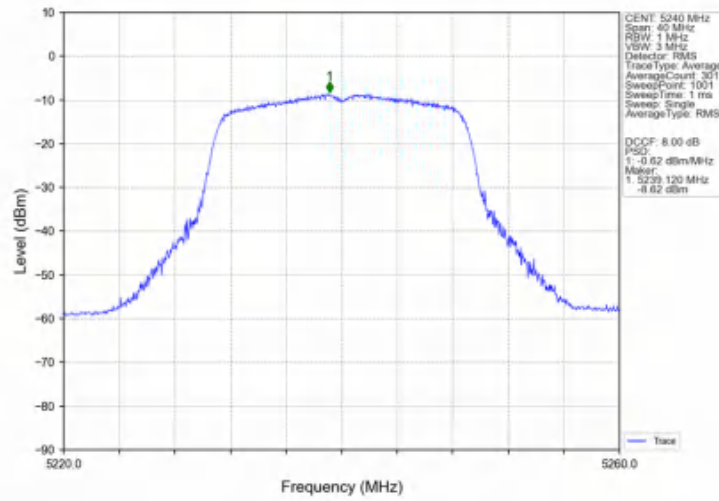
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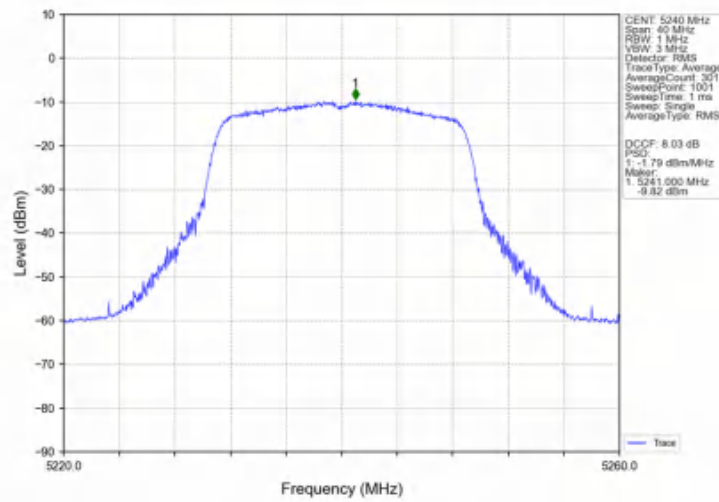
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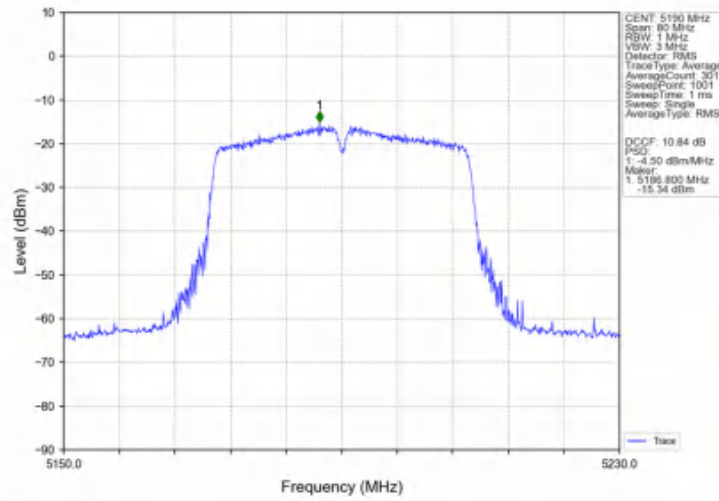
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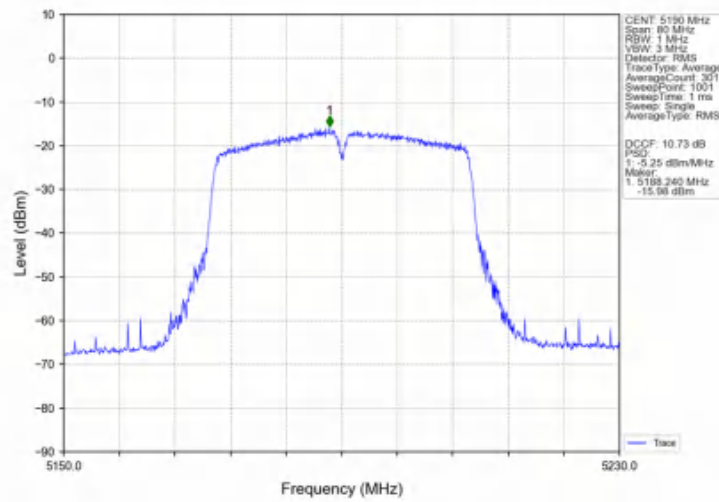
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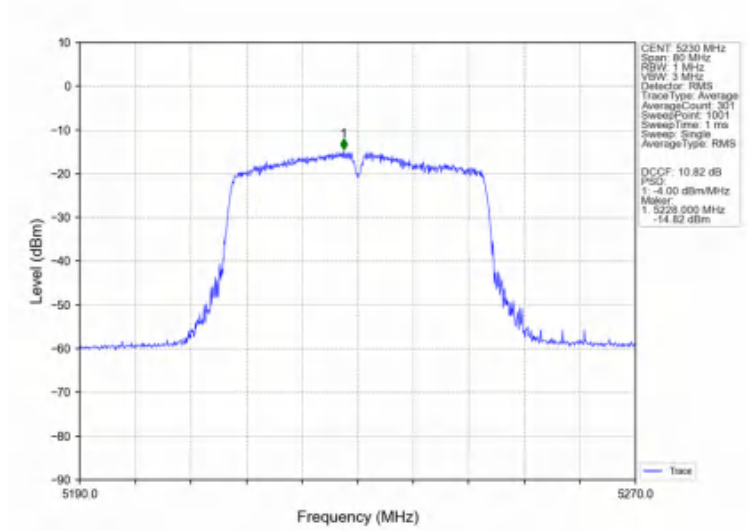
802.11n(HT40) LCH_5190MHz_Ant1_NTNV



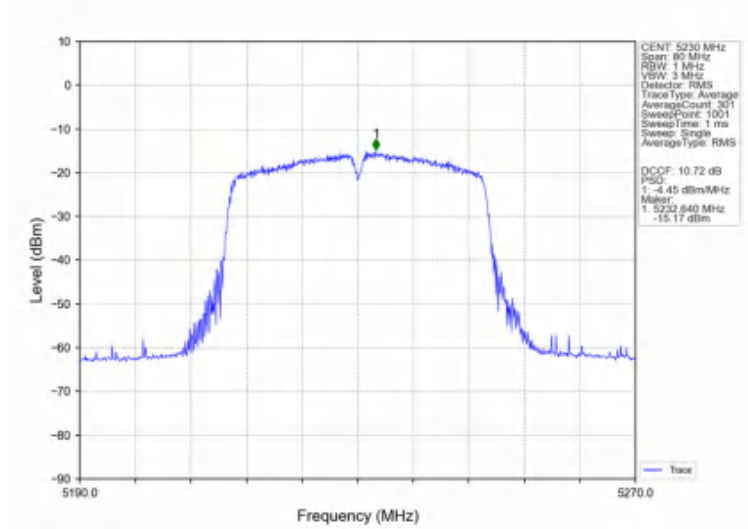
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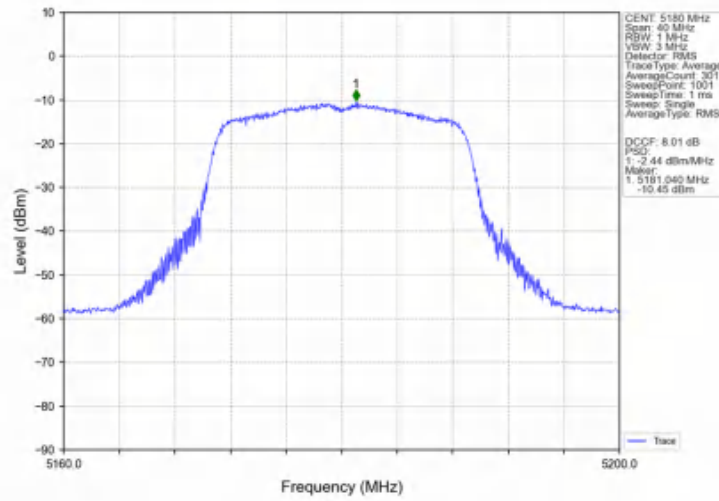
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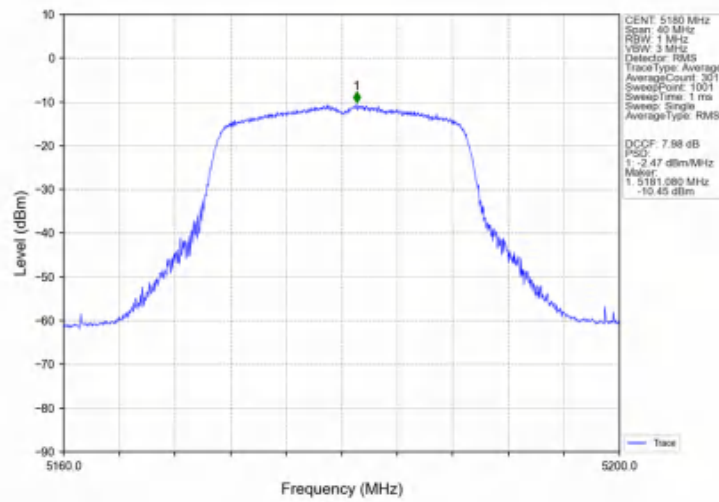
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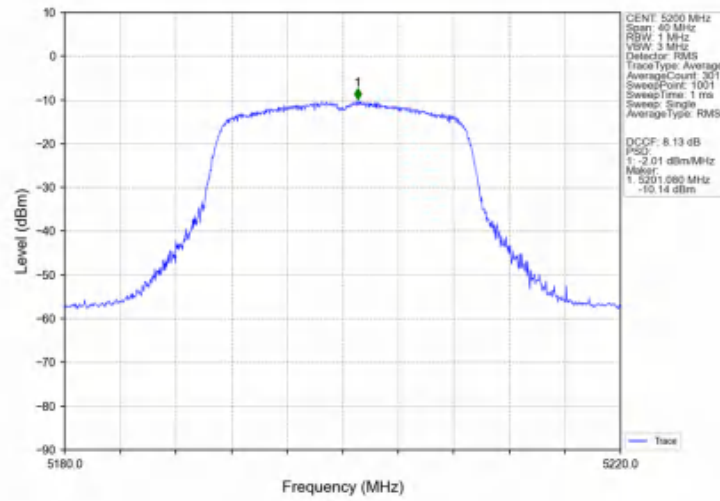
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



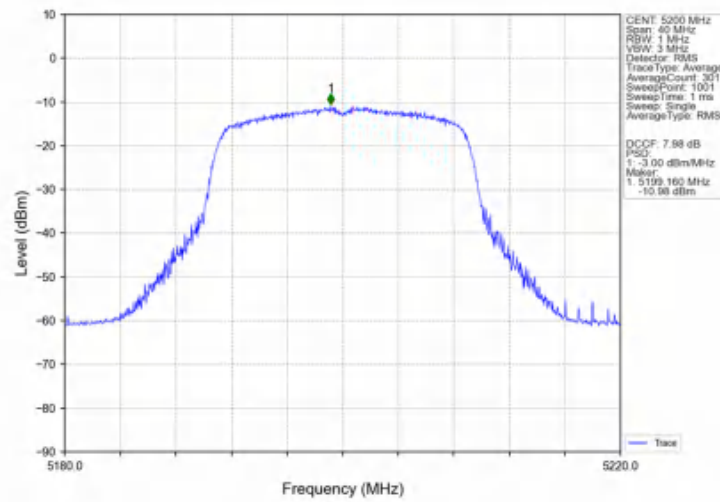
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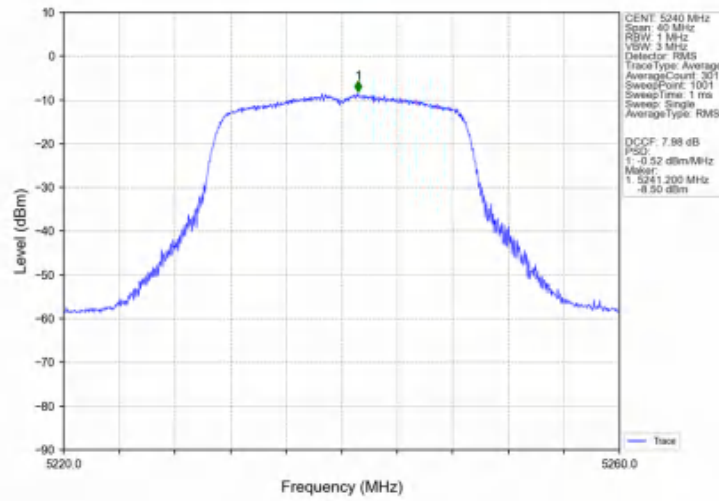
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



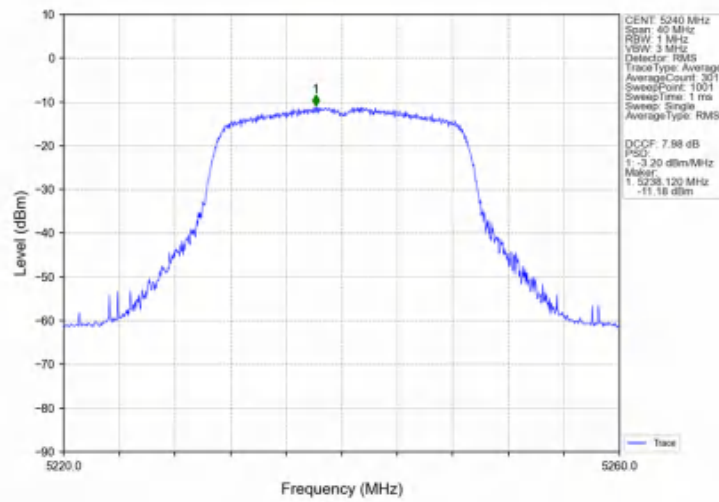
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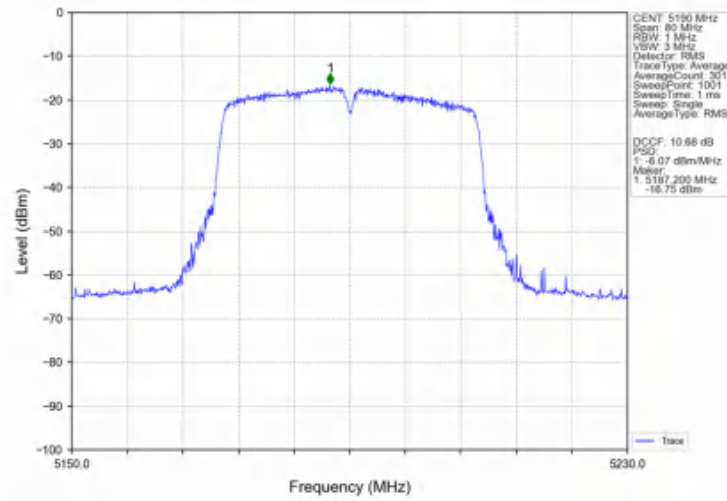
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



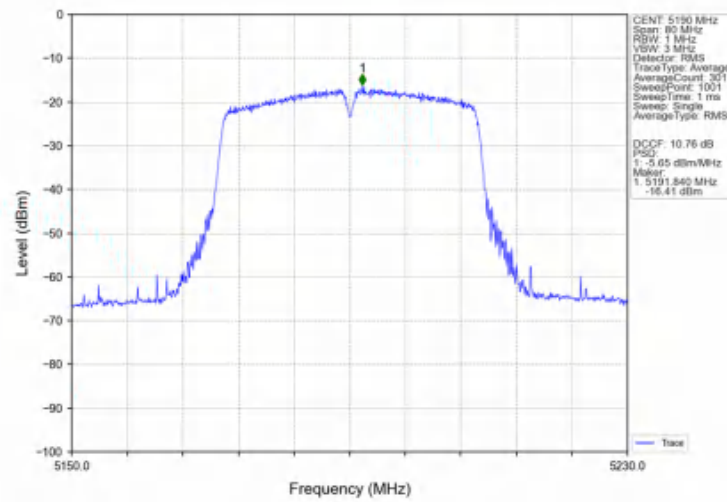
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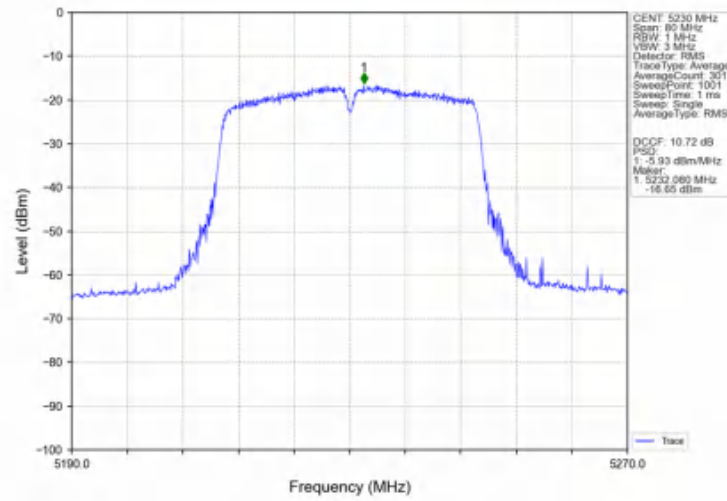
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



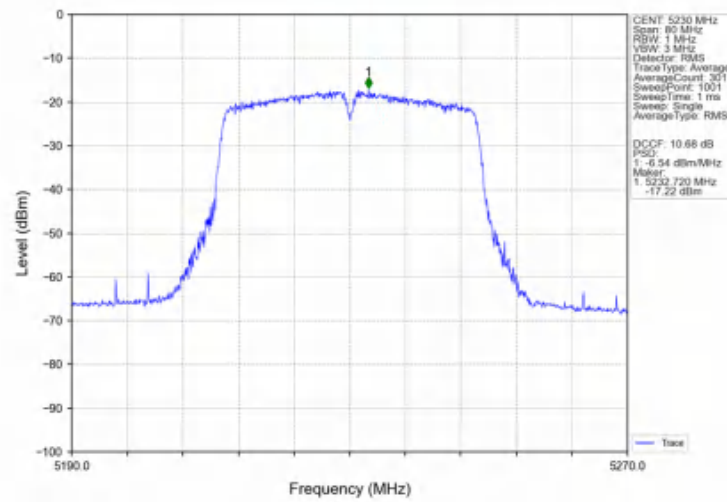
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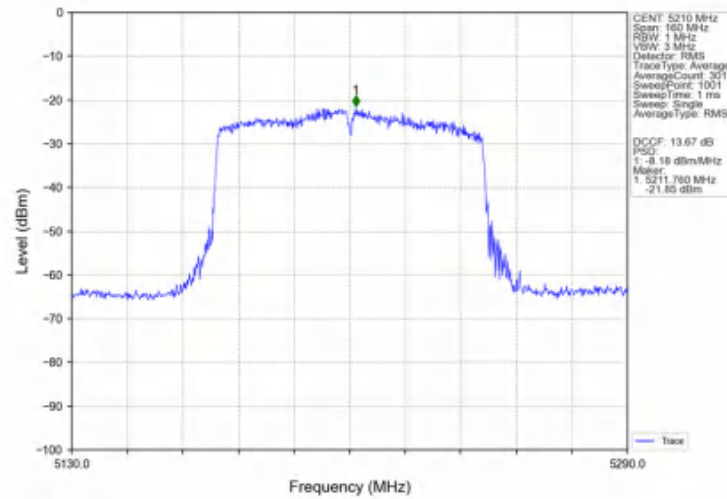
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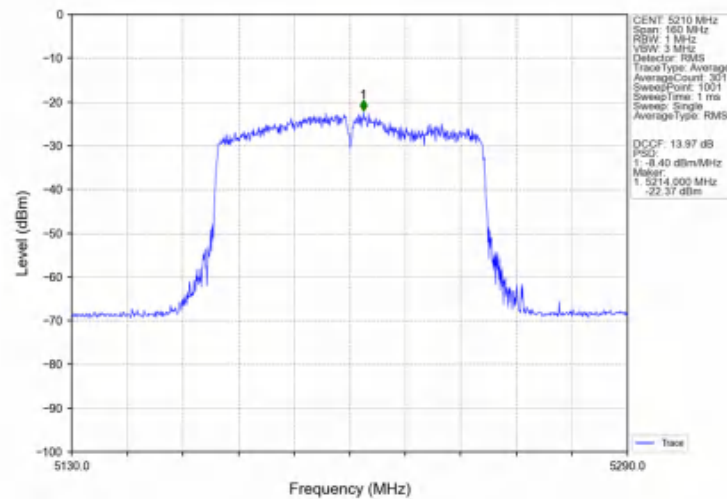
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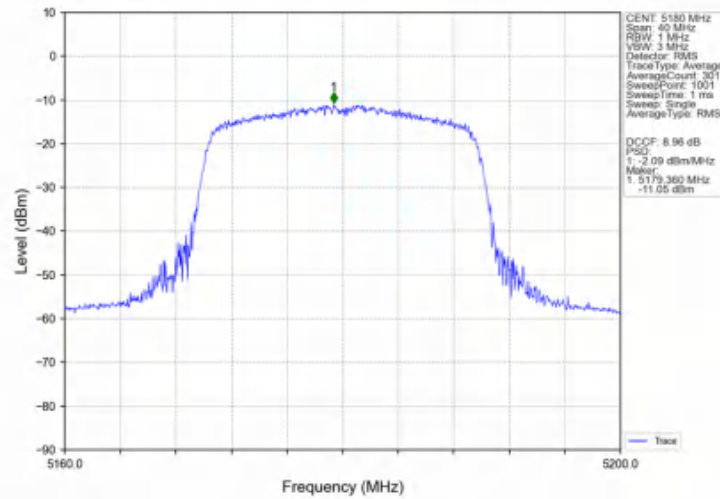
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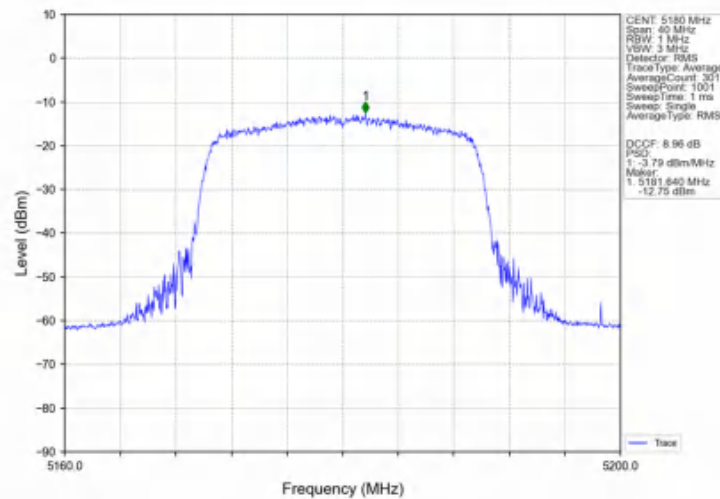
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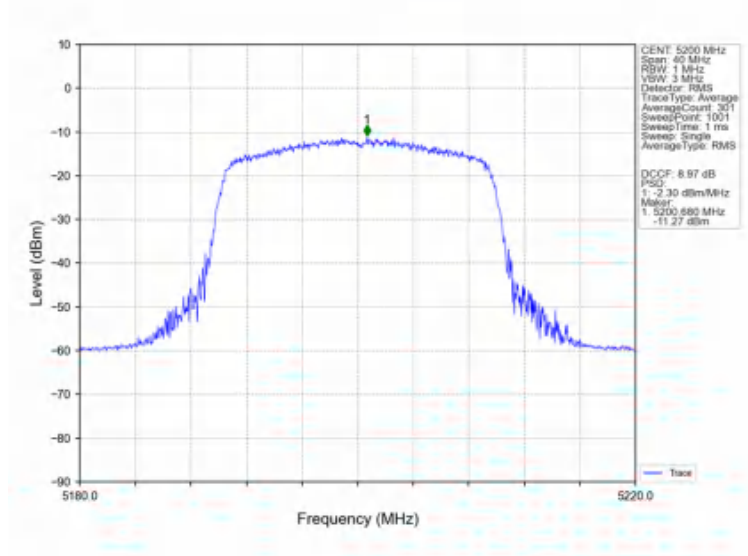
802.11ax(HEW20)_LCH_5180MHz_SU_ / _Ant1_NTNV



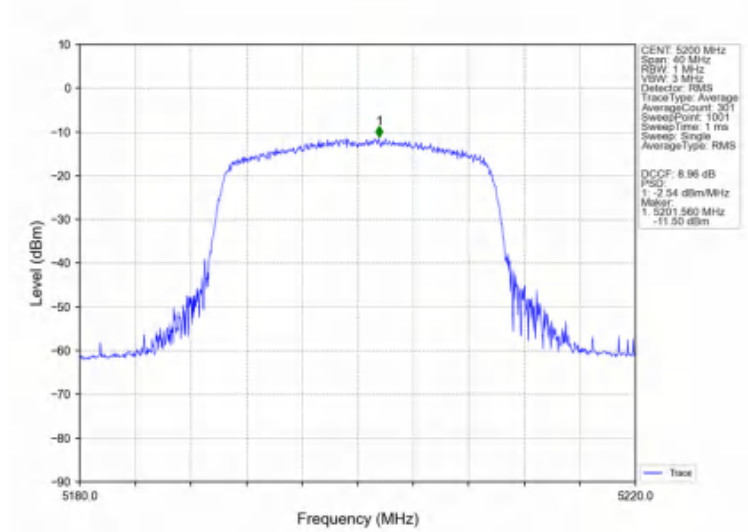
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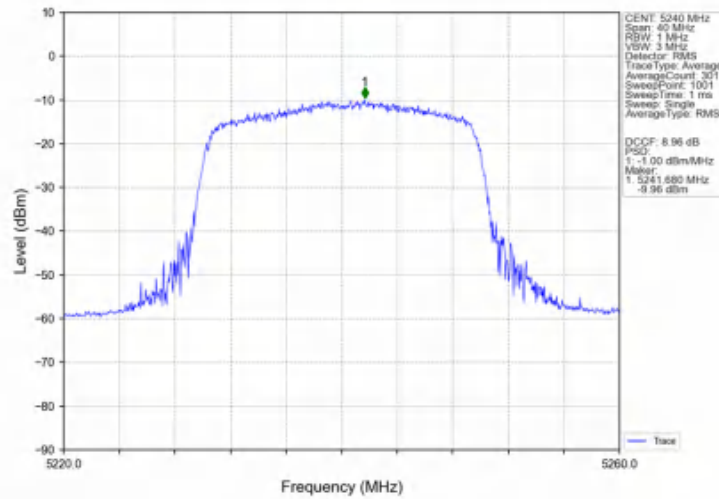
802.11ax(HEW20)_MCH_5200MHz_SU_ / Ant1 NTNv



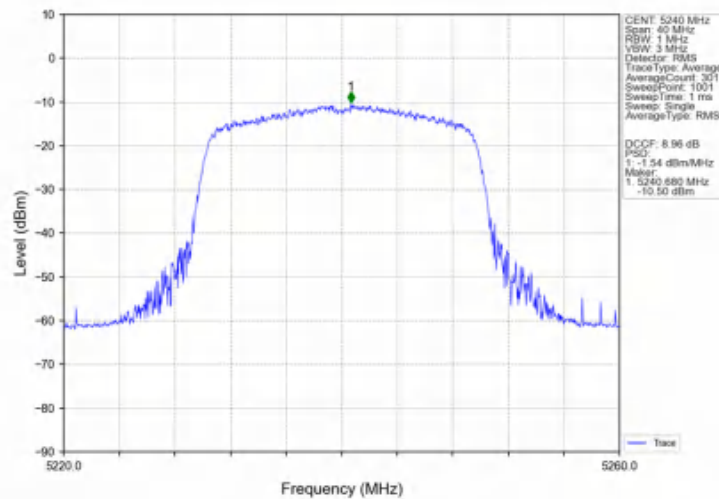
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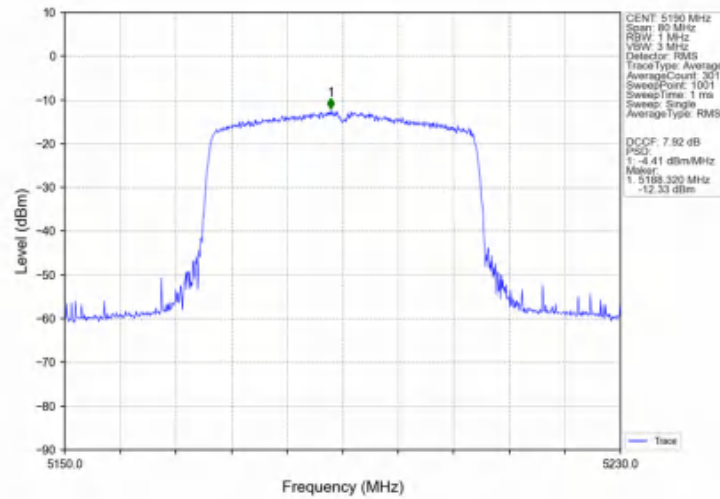
802.11ax(HEW20)_HCH_5240MHz_SU_ / Ant1_NTNV



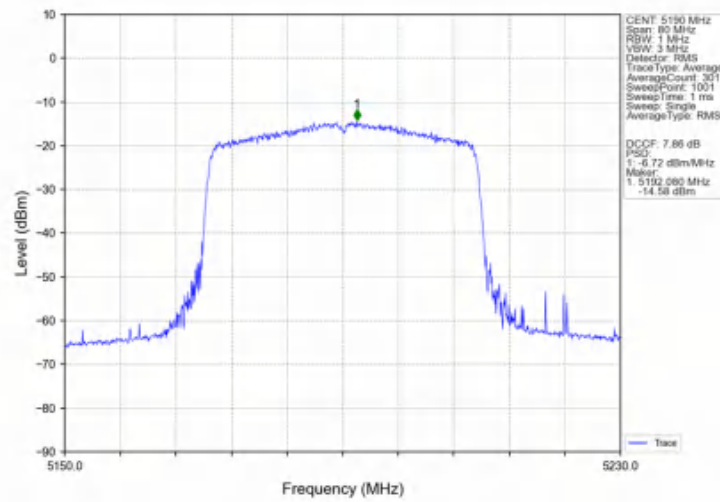
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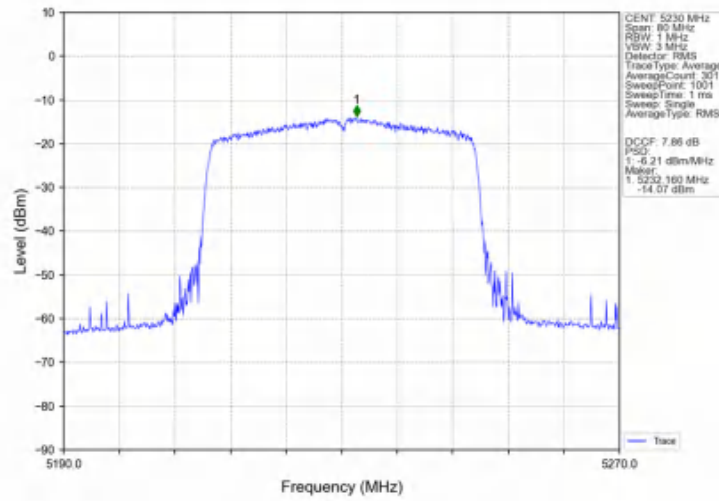
802.11ax(HEW40)_LCH_5190MHz_SU_/_Ant1_NTNV



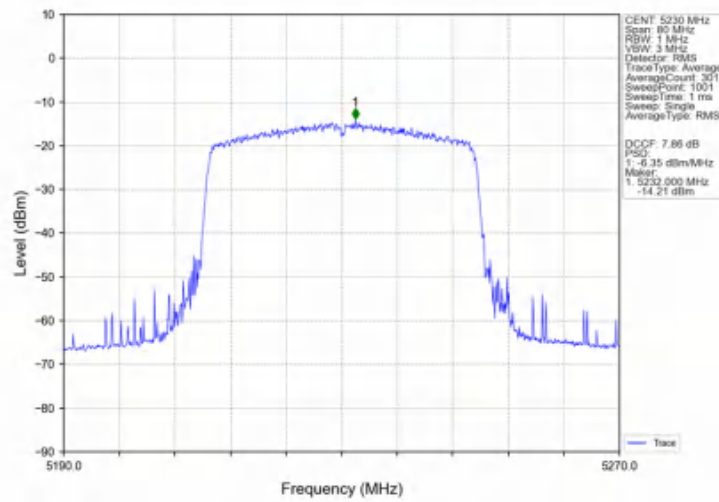
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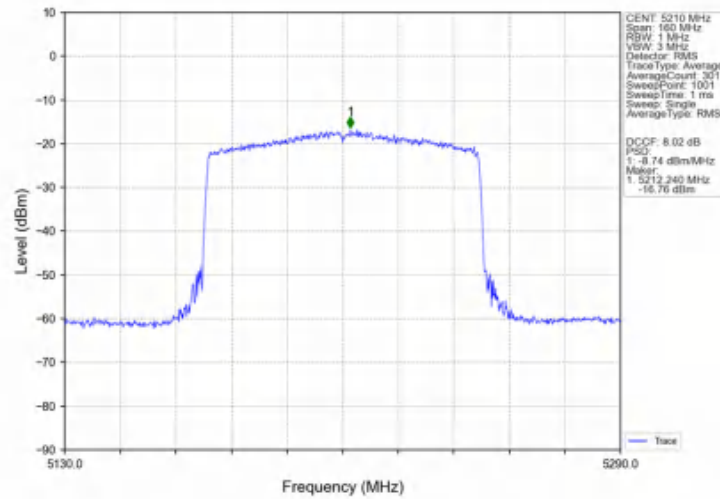
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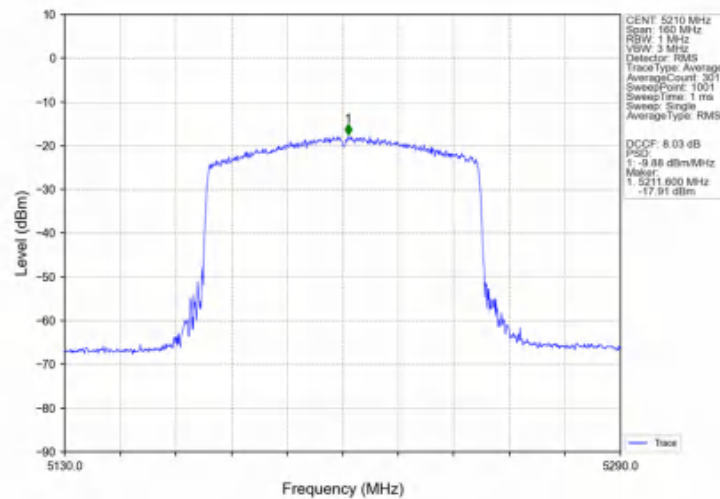
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802.11ax(HEW80)_MCH_5210MHz_SU_ / Ant1 NTN

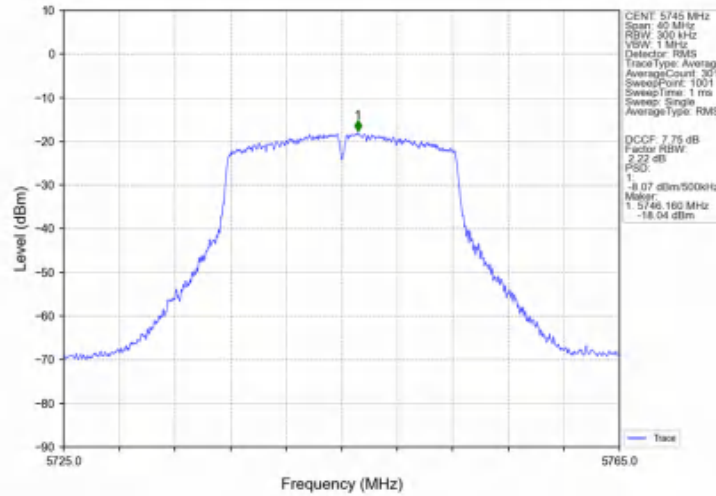


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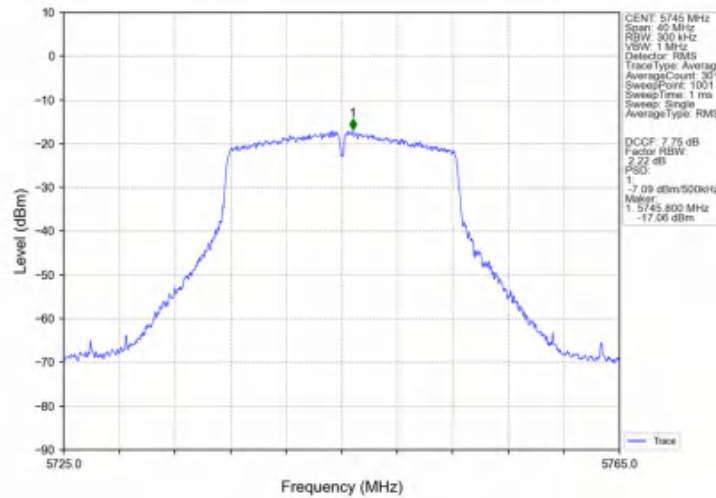


4.2.2 PSD-Band3

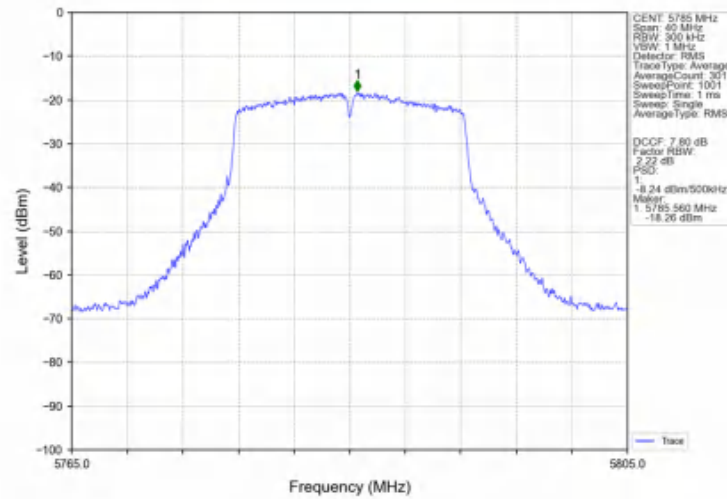
802.11a_LCH_5745MHz_Ant1_NTNV



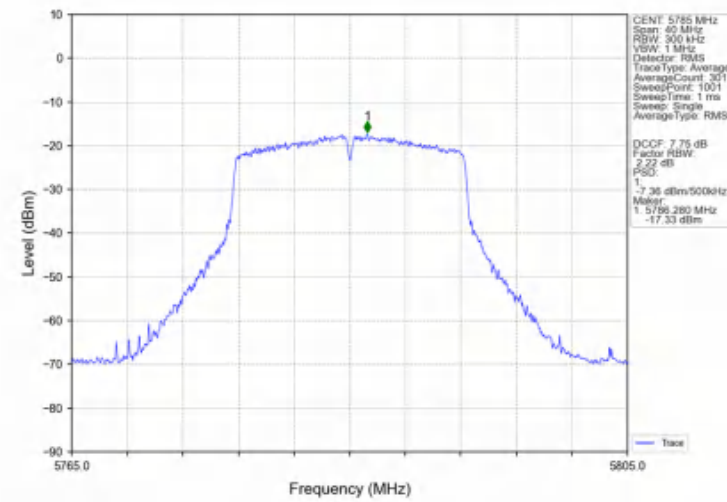
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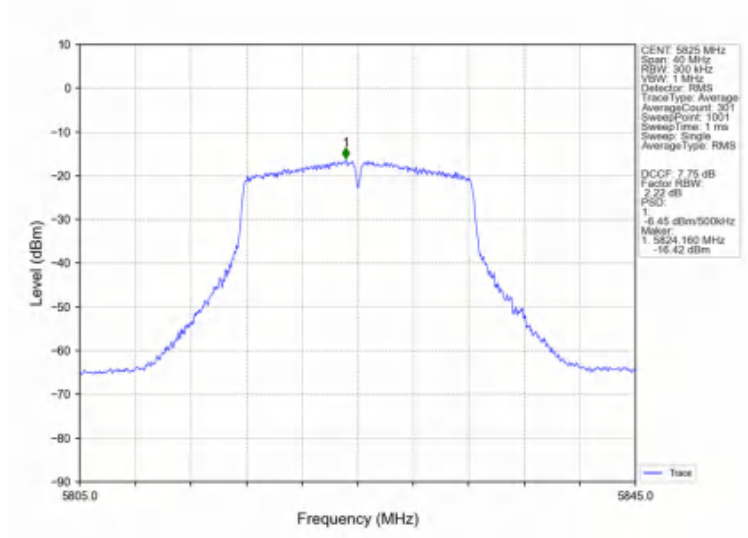
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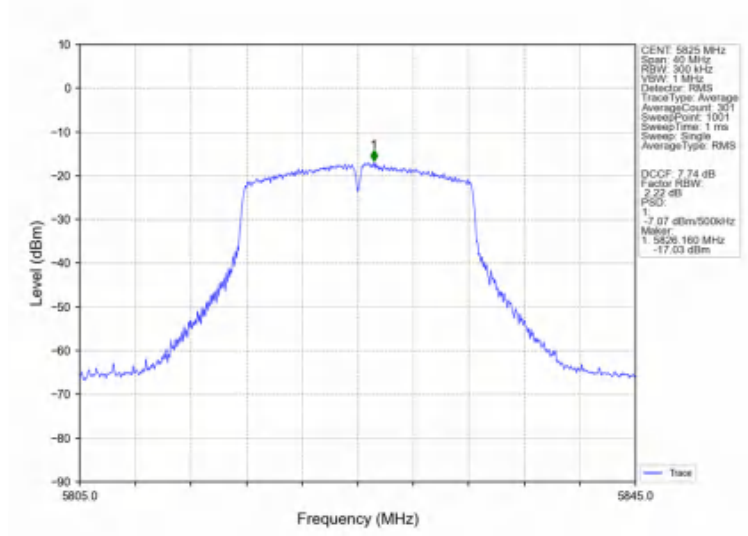
802.11a_MCH_5785MHz_Ant2_NTNV



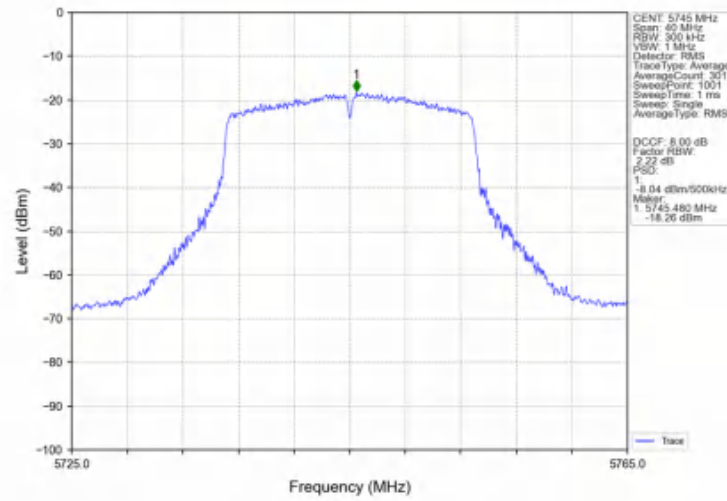
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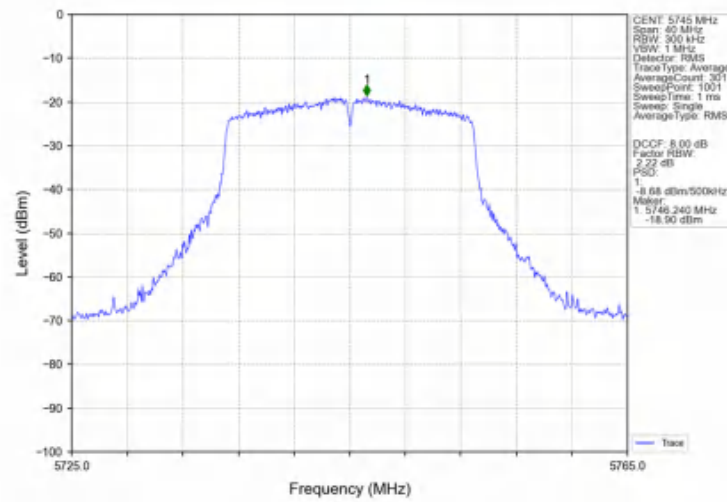
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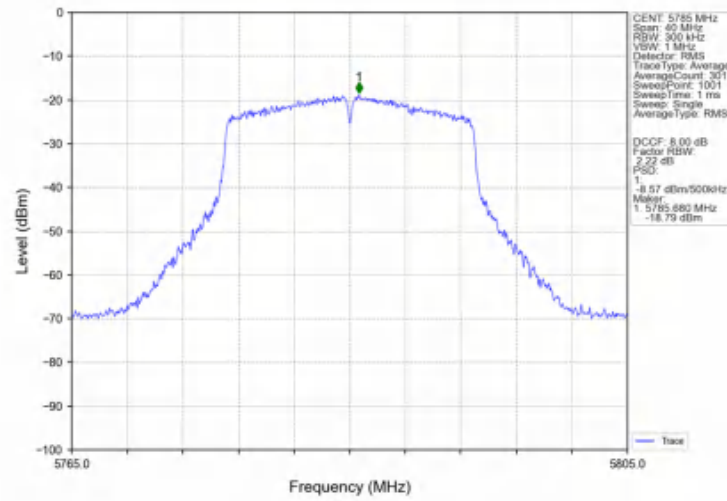
802.11n(HT20) LCH_5745MHz_Ant1_NTNV



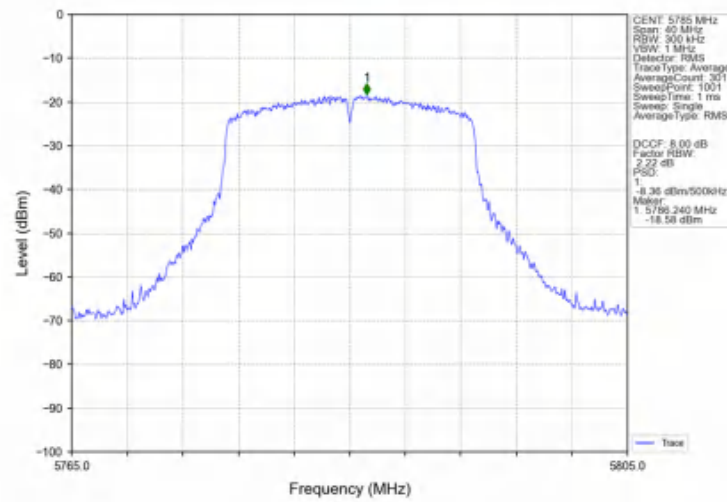
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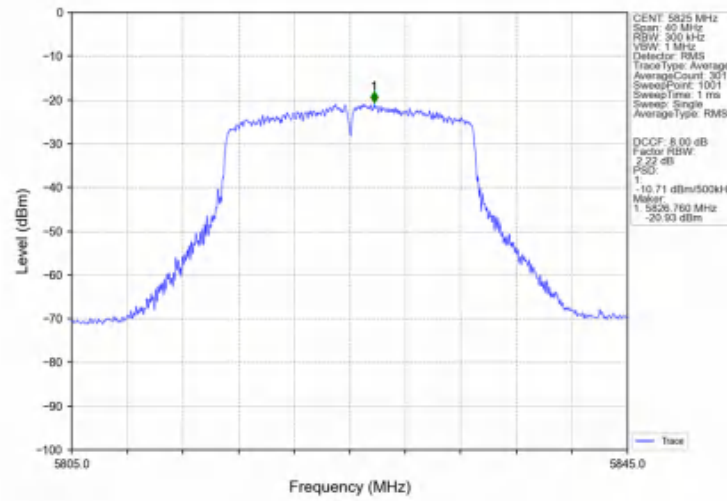
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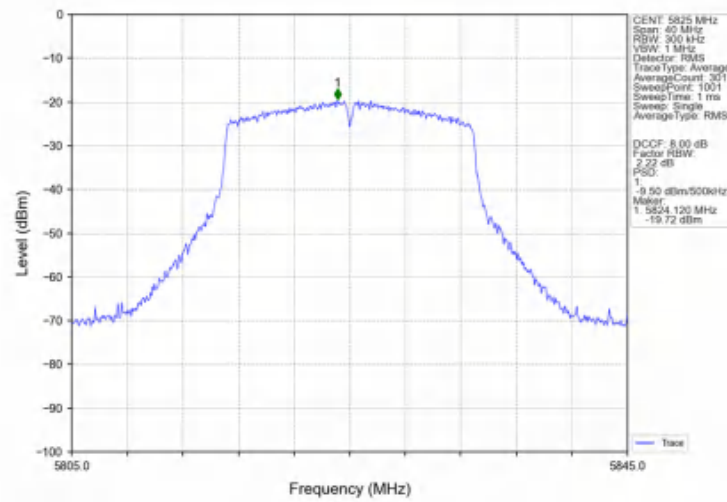
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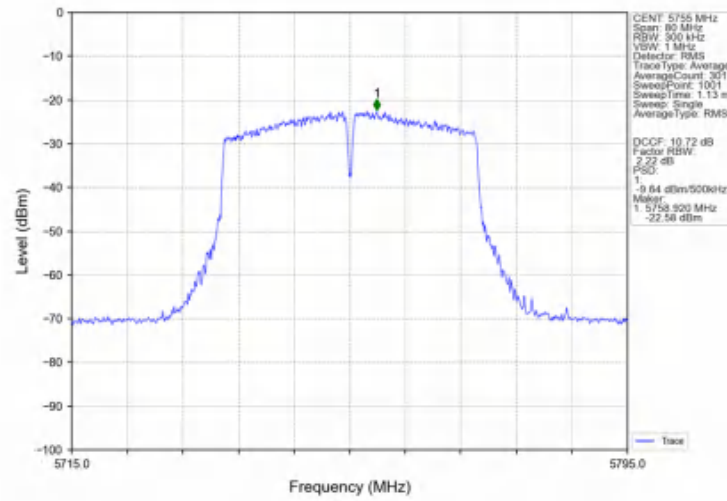
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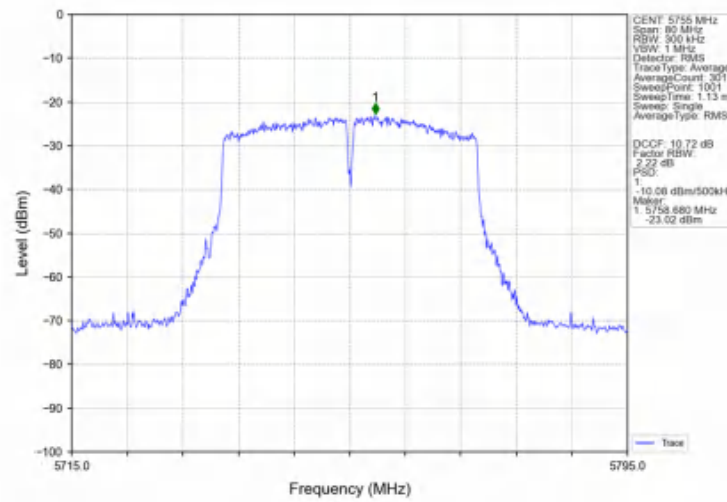
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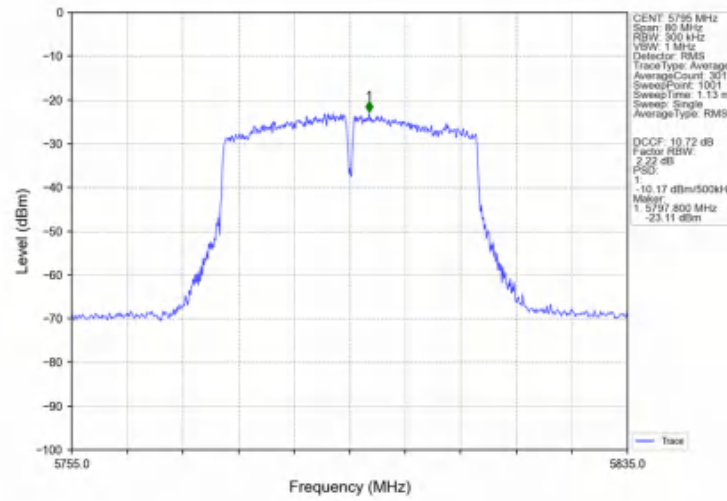
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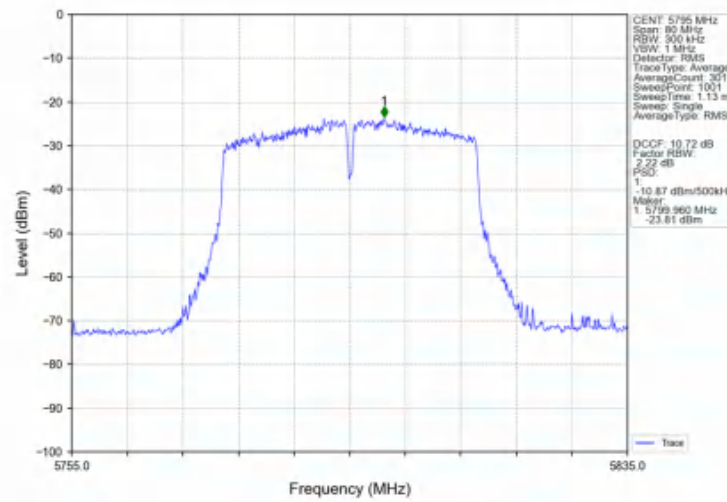
802.11n(HT40) LCH_5755MHz_Ant2_NTNV



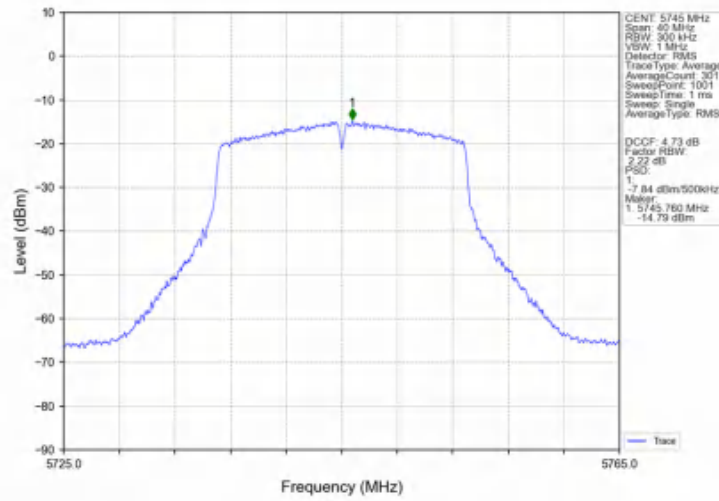
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



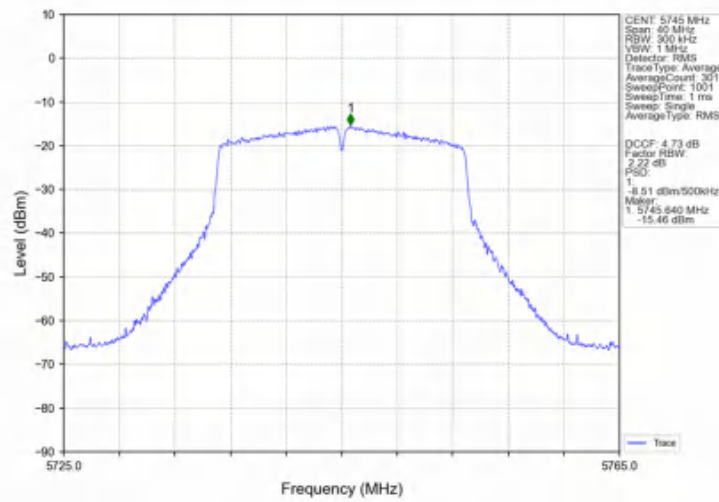
802.11n(HT40)_HCH_5795MHz_Ant2_NTNV



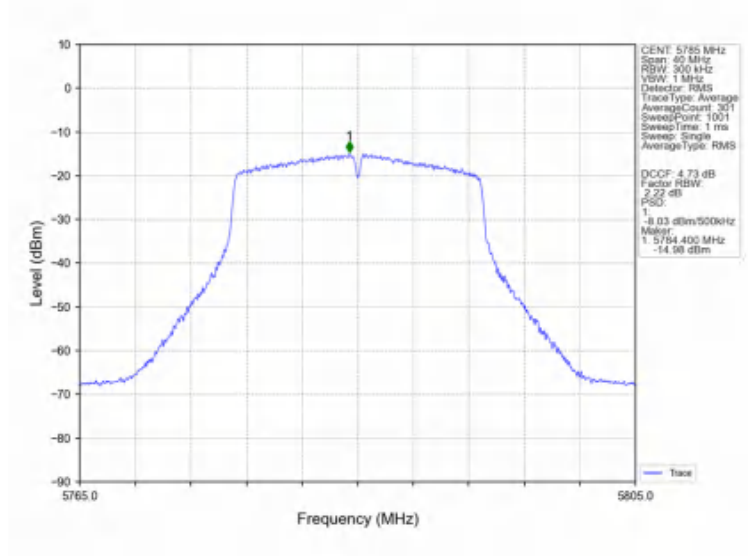
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



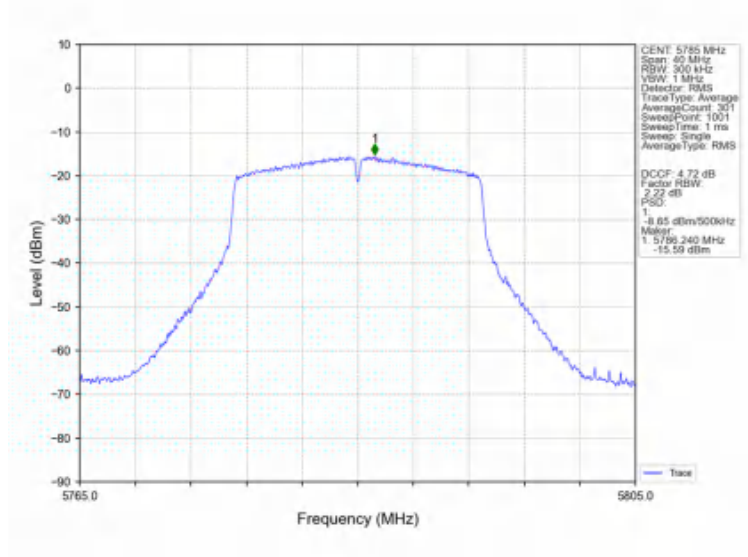
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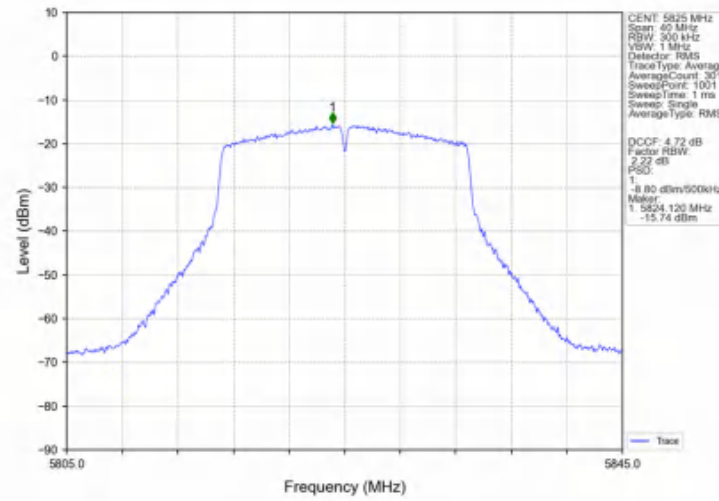
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



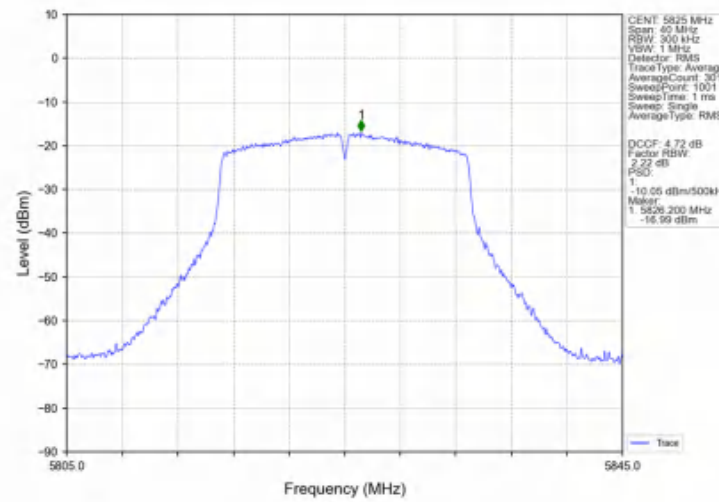
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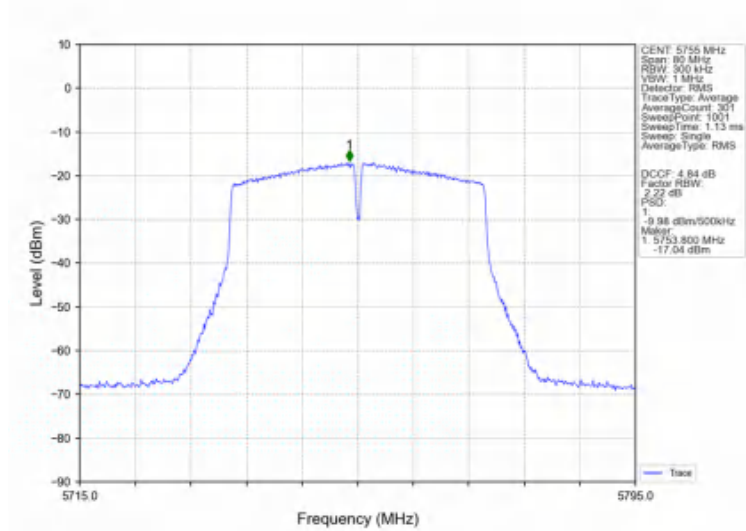
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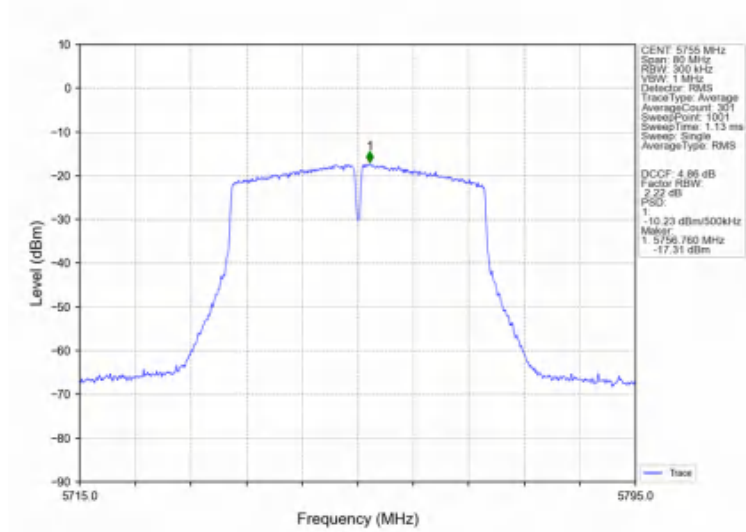
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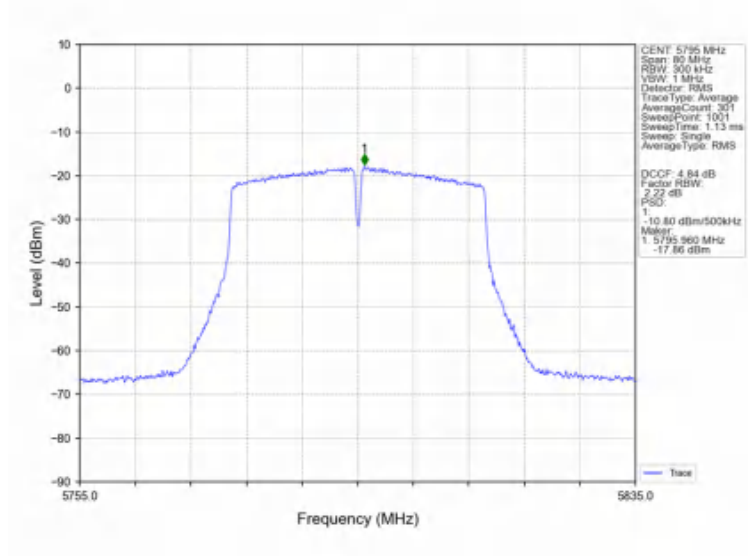
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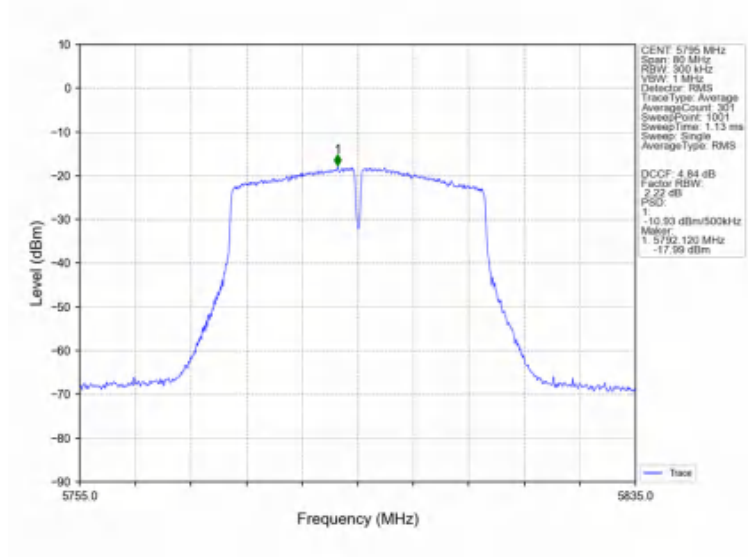
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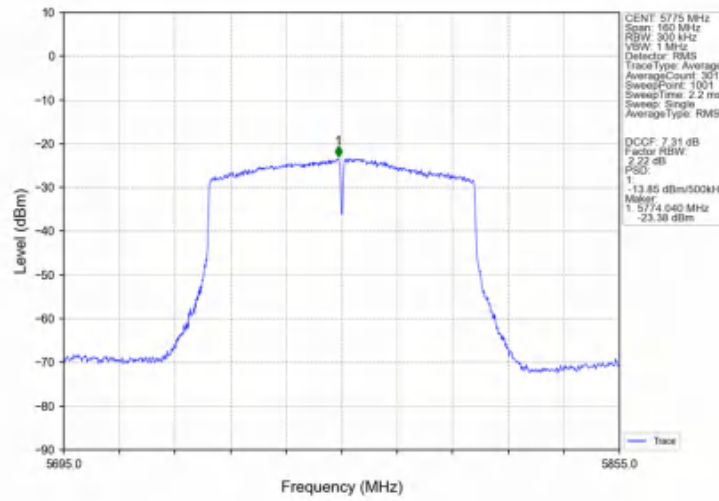
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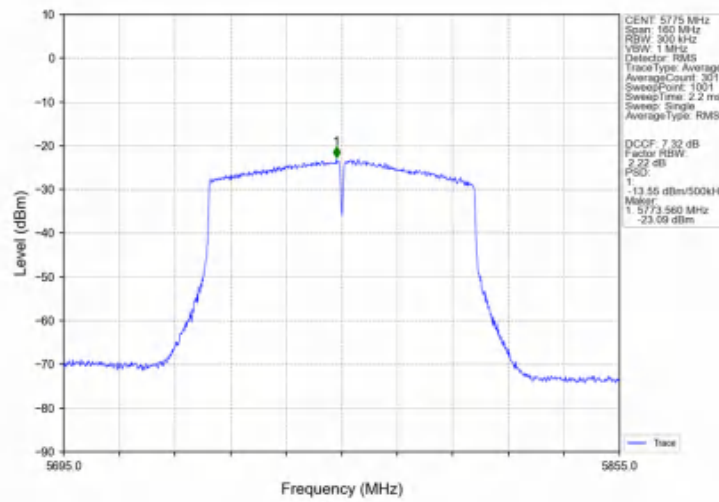
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



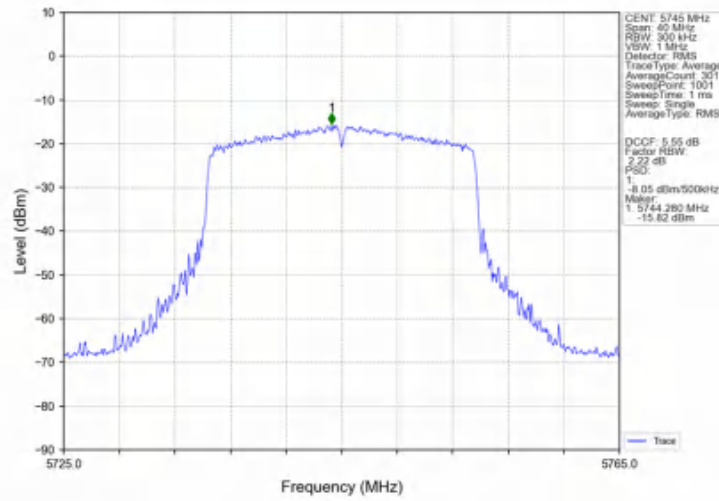
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



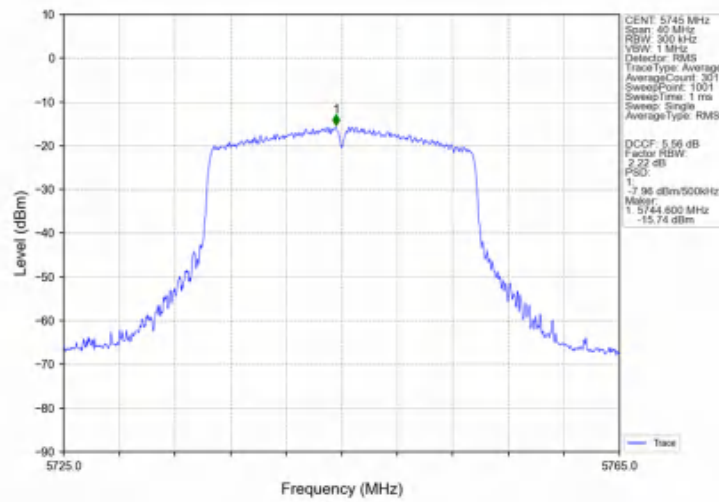
802.11ac(VHT80)_MCH_5775MHz_Ant2_NTNV



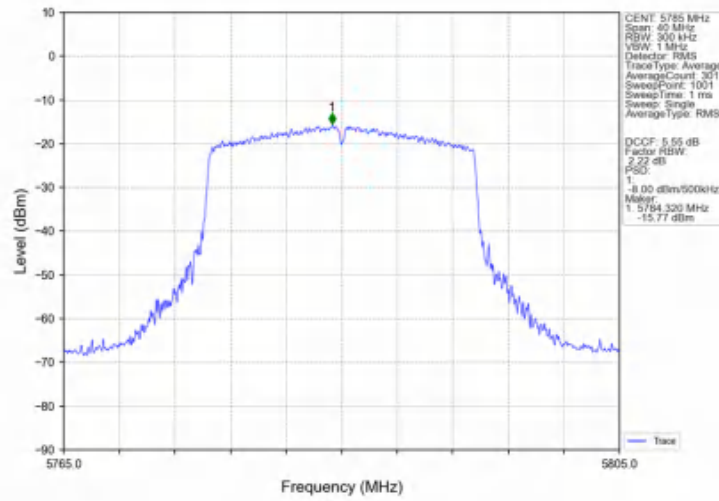
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant1_NTNV



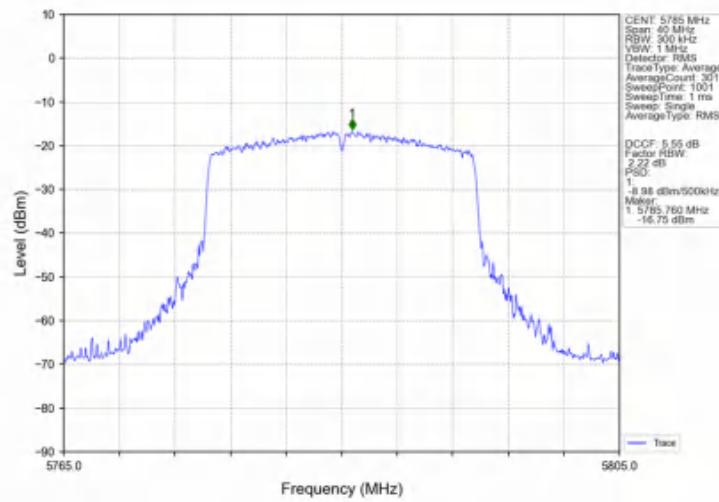
802.11ax(HEW20)_LCH_5745MHz_SU_/_Ant2_NTNV



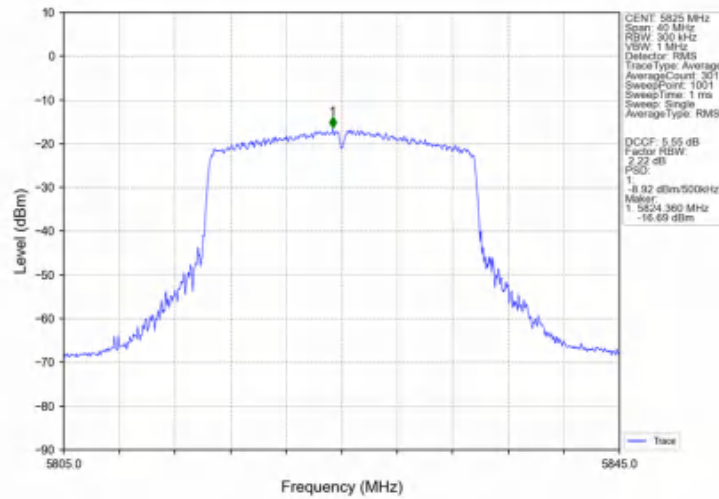
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant1 NTNv



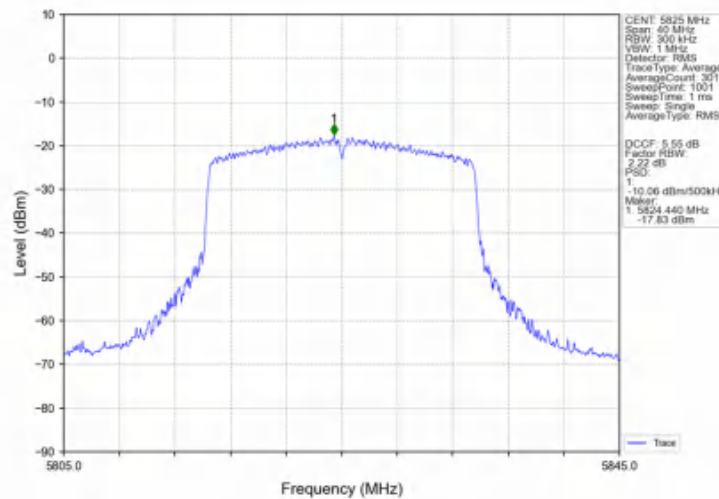
802.11ax(HEW20)_MCH_5785MHz_SU_ / Ant2 NTNv



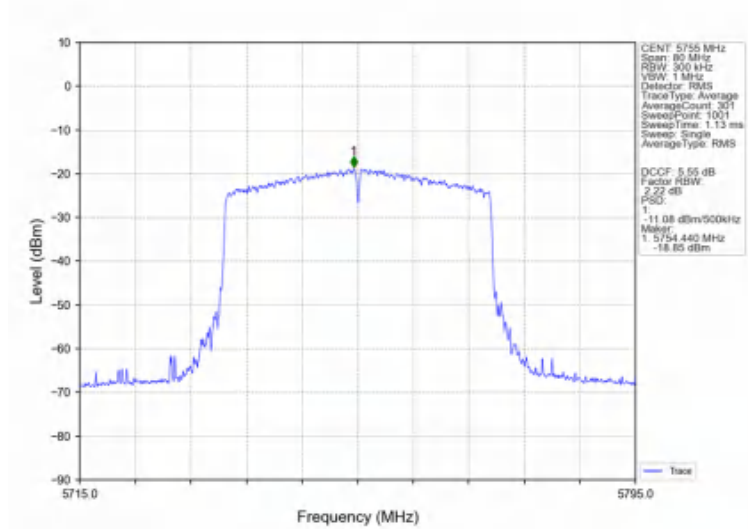
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant1_NTNV



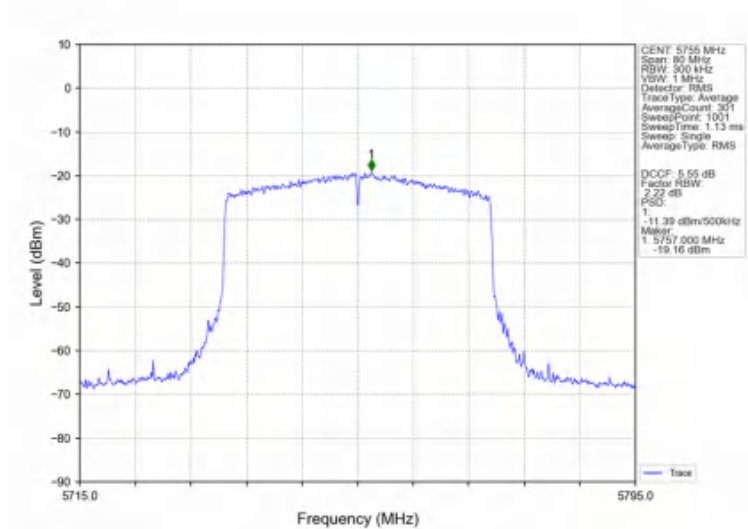
802.11ax(HEW20)_HCH_5825MHz_SU_ / Ant2_NTNV



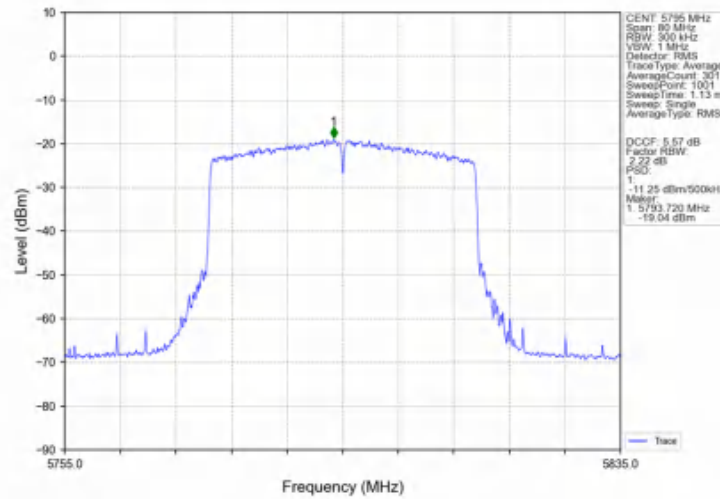
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant1_NTNV



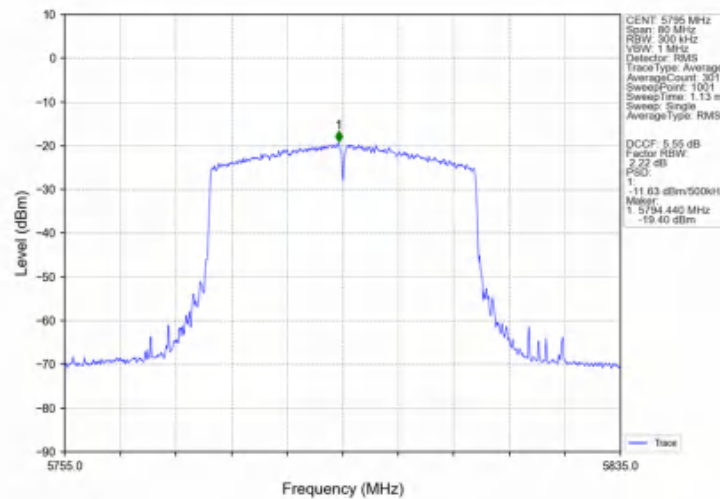
802.11ax(HEW40)_LCH_5755MHz_SU_/_Ant2_NTNV



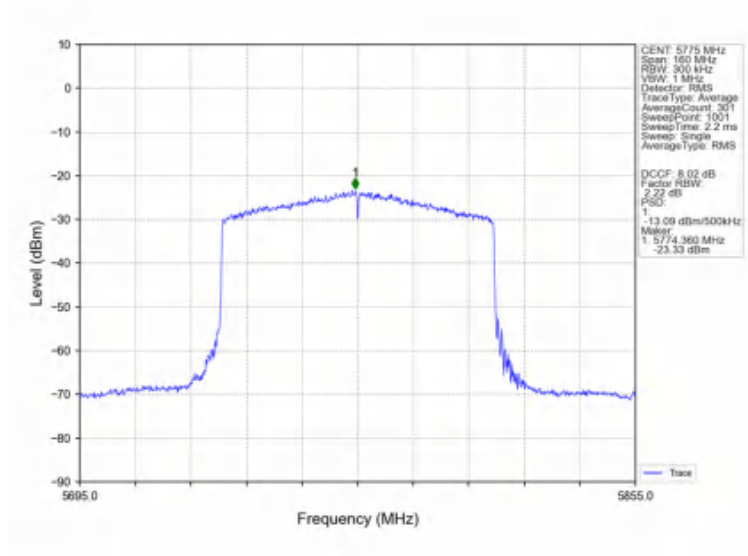
802.11ax(HEW40)_HCH_5795MHz_SU_ / Ant1_NTNV



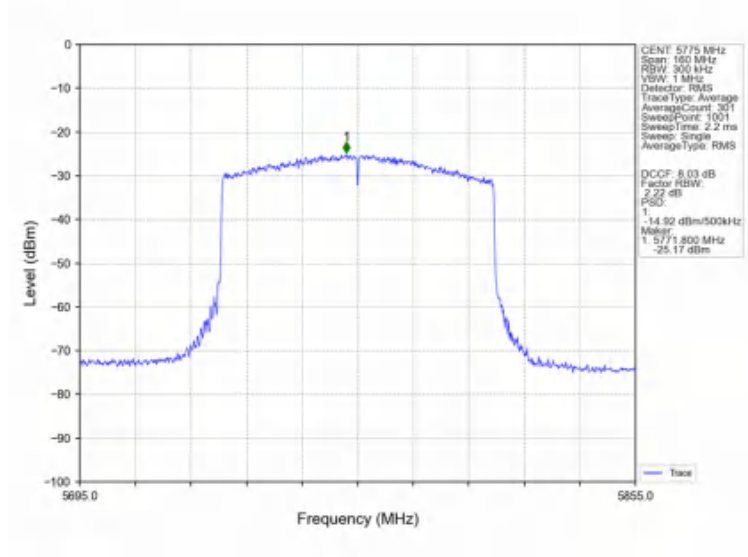
802.11ax(HEW40)_HCH_5795MHz_SU_ / Ant2_NTNV



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant1 NTNv



802.11ax(HEW80)_MCH_5775MHz_SU_ / Ant2 NTNv



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	MIMO	5180	20	LV	5179.997	5150 to 5250	Pass
				NV	5179.997	5150 to 5250	Pass
				HV	5179.997	5150 to 5250	Pass
			-30	NV	5179.997	5150 to 5250	Pass
			-20	NV	5179.997	5150 to 5250	Pass
			-10	NV	5179.997	5150 to 5250	Pass
			0	NV	5179.996	5150 to 5250	Pass
			10	NV	5179.996	5150 to 5250	Pass
			30	NV	5179.996	5150 to 5250	Pass
			40	NV	5179.996	5150 to 5250	Pass
			50	NV	5179.996	5150 to 5250	Pass
		5200	20	LV	5199.995	5150 to 5250	Pass
				NV	5199.995	5150 to 5250	Pass
				HV	5199.995	5150 to 5250	Pass
			-30	NV	5199.995	5150 to 5250	Pass
			-20	NV	5199.995	5150 to 5250	Pass
			-10	NV	5199.995	5150 to 5250	Pass
			0	NV	5199.995	5150 to 5250	Pass
			10	NV	5199.994	5150 to 5250	Pass
			30	NV	5199.994	5150 to 5250	Pass
			40	NV	5199.994	5150 to 5250	Pass
			50	NV	5199.994	5150 to 5250	Pass
		5240	20	LV	5239.993	5150 to 5250	Pass
				NV	5239.993	5150 to 5250	Pass
				HV	5239.993	5150 to 5250	Pass
			-30	NV	5239.993	5150 to 5250	Pass
			-20	NV	5239.993	5150 to 5250	Pass
			-10	NV	5239.993	5150 to 5250	Pass
			0	NV	5239.993	5150 to 5250	Pass
			10	NV	5239.993	5150 to 5250	Pass
			30	NV	5239.993	5150 to 5250	Pass
			40	NV	5239.993	5150 to 5250	Pass
			50	NV	5239.993	5150 to 5250	Pass
		5745	20	LV	5744.981	5725 to 5850	Pass
				NV	5744.980	5725 to 5850	Pass
				HV	5744.980	5725 to 5850	Pass
			-30	NV	5744.980	5725 to 5850	Pass
			-20	NV	5744.980	5725 to 5850	Pass
			-10	NV	5744.980	5725 to 5850	Pass
			0	NV	5744.980	5725 to 5850	Pass
			10	NV	5744.980	5725 to 5850	Pass
			30	NV	5744.980	5725 to 5850	Pass
			40	NV	5744.980	5725 to 5850	Pass
			50	NV	5744.980	5725 to 5850	Pass
		5785	20	LV	5784.978	5725 to 5850	Pass
				NV	5784.978	5725 to 5850	Pass

				HV	5784.978	5725 to 5850	Pass
			-30	NV	5784.978	5725 to 5850	Pass
			-20	NV	5784.978	5725 to 5850	Pass
			-10	NV	5784.978	5725 to 5850	Pass
			0	NV	5784.978	5725 to 5850	Pass
			10	NV	5784.978	5725 to 5850	Pass
			30	NV	5784.978	5725 to 5850	Pass
			40	NV	5784.977	5725 to 5850	Pass
			50	NV	5784.977	5725 to 5850	Pass
		5825	20	LV	5824.977	5725 to 5850	Pass
				NV	5824.977	5725 to 5850	Pass
				HV	5824.977	5725 to 5850	Pass
			-30	NV	5824.977	5725 to 5850	Pass
			-20	NV	5824.977	5725 to 5850	Pass
			-10	NV	5824.977	5725 to 5850	Pass
			0	NV	5824.977	5725 to 5850	Pass
			10	NV	5824.977	5725 to 5850	Pass
			30	NV	5824.977	5725 to 5850	Pass
			40	NV	5824.977	5725 to 5850	Pass
			50	NV	5824.977	5725 to 5850	Pass
		5190	20	LV	5189.978	5150 to 5250	Pass
				NV	5189.978	5150 to 5250	Pass
				HV	5189.978	5150 to 5250	Pass
			-30	NV	5189.978	5150 to 5250	Pass
			-20	NV	5189.978	5150 to 5250	Pass
			-10	NV	5189.978	5150 to 5250	Pass
			0	NV	5189.978	5150 to 5250	Pass
			10	NV	5189.978	5150 to 5250	Pass
			30	NV	5189.978	5150 to 5250	Pass
			40	NV	5189.977	5150 to 5250	Pass
			50	NV	5189.977	5150 to 5250	Pass
		5230	20	LV	5229.977	5150 to 5250	Pass
				NV	5229.977	5150 to 5250	Pass
				HV	5229.977	5150 to 5250	Pass
			-30	NV	5229.977	5150 to 5250	Pass
			-20	NV	5229.977	5150 to 5250	Pass
			-10	NV	5229.977	5150 to 5250	Pass
			0	NV	5229.977	5150 to 5250	Pass
			10	NV	5229.977	5150 to 5250	Pass
			30	NV	5229.977	5150 to 5250	Pass
			40	NV	5229.977	5150 to 5250	Pass
			50	NV	5229.977	5150 to 5250	Pass
		5755	20	LV	5754.974	5725 to 5850	Pass
				NV	5754.974	5725 to 5850	Pass
				HV	5754.974	5725 to 5850	Pass
			-30	NV	5754.974	5725 to 5850	Pass
			-20	NV	5754.974	5725 to 5850	Pass
			-10	NV	5754.974	5725 to 5850	Pass
			0	NV	5754.974	5725 to 5850	Pass
			10	NV	5754.974	5725 to 5850	Pass
			30	NV	5754.974	5725 to 5850	Pass
			40	NV	5754.974	5725 to 5850	Pass
			50	NV	5754.973	5725 to 5850	Pass
		5795	20	LV	5794.973	5725 to 5850	Pass
				NV	5794.973	5725 to 5850	Pass
				HV	5794.973	5725 to 5850	Pass
			-30	NV	5794.973	5725 to 5850	Pass
			-20	NV	5794.973	5725 to 5850	Pass
			-10	NV	5794.973	5725 to 5850	Pass

			0	NV	5794.973	5725 to 5850	Pass
			10	NV	5794.973	5725 to 5850	Pass
			30	NV	5794.973	5725 to 5850	Pass
			40	NV	5794.973	5725 to 5850	Pass
			50	NV	5794.973	5725 to 5850	Pass
		5210	20	LV	5209.975	5150 to 5250	Pass
				NV	5209.975	5150 to 5250	Pass
				HV	5209.975	5150 to 5250	Pass
			-30	NV	5209.975	5150 to 5250	Pass
			-20	NV	5209.975	5150 to 5250	Pass
			-10	NV	5209.975	5150 to 5250	Pass
			0	NV	5209.975	5150 to 5250	Pass
			10	NV	5209.975	5150 to 5250	Pass
			30	NV	5209.975	5150 to 5250	Pass
			40	NV	5209.975	5150 to 5250	Pass
			50	NV	5209.975	5150 to 5250	Pass
		5775	20	LV	5774.972	5725 to 5850	Pass
				NV	5774.972	5725 to 5850	Pass
				HV	5774.972	5725 to 5850	Pass
			-30	NV	5774.972	5725 to 5850	Pass
			-20	NV	5774.972	5725 to 5850	Pass
			-10	NV	5774.972	5725 to 5850	Pass
			0	NV	5774.972	5725 to 5850	Pass
			10	NV	5774.972	5725 to 5850	Pass
			30	NV	5774.972	5725 to 5850	Pass
			40	NV	5774.972	5725 to 5850	Pass
			50	NV	5774.972	5725 to 5850	Pass

5.1.2 Ant2

Ant2							
Mode	Tx Type	Frequency (MHz)	Temperature (°C)	Voltage	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	MIMO	5180	20	LV	5179.989	5150 to 5250	Pass
				NV	5179.989	5150 to 5250	Pass
				HV	5179.989	5150 to 5250	Pass
			-30	NV	5179.989	5150 to 5250	Pass
			-20	NV	5179.989	5150 to 5250	Pass
			-10	NV	5179.989	5150 to 5250	Pass
			0	NV	5179.989	5150 to 5250	Pass
			10	NV	5179.989	5150 to 5250	Pass
			30	NV	5179.988	5150 to 5250	Pass
			40	NV	5179.988	5150 to 5250	Pass
			50	NV	5179.988	5150 to 5250	Pass
		5200	20	LV	5199.986	5150 to 5250	Pass
				NV	5199.986	5150 to 5250	Pass
				HV	5199.986	5150 to 5250	Pass
			-30	NV	5199.986	5150 to 5250	Pass
			-20	NV	5199.986	5150 to 5250	Pass
			-10	NV	5199.986	5150 to 5250	Pass
			0	NV	5199.986	5150 to 5250	Pass
			10	NV	5199.986	5150 to 5250	Pass
			30	NV	5199.986	5150 to 5250	Pass
			40	NV	5199.985	5150 to 5250	Pass
			50	NV	5199.985	5150 to 5250	Pass
		5240	20	LV	5239.985	5150 to 5250	Pass
				NV	5239.985	5150 to 5250	Pass
				HV	5239.985	5150 to 5250	Pass

			-30	NV	5239.985	5150 to 5250	Pass
			-20	NV	5239.985	5150 to 5250	Pass
			-10	NV	5239.984	5150 to 5250	Pass
			0	NV	5239.984	5150 to 5250	Pass
			10	NV	5239.984	5150 to 5250	Pass
			30	NV	5239.984	5150 to 5250	Pass
			40	NV	5239.984	5150 to 5250	Pass
			50	NV	5239.984	5150 to 5250	Pass
		5745	20	LV	5744.977	5725 to 5850	Pass
				NV	5744.977	5725 to 5850	Pass
				HV	5744.977	5725 to 5850	Pass
			-30	NV	5744.977	5725 to 5850	Pass
			-20	NV	5744.977	5725 to 5850	Pass
			-10	NV	5744.977	5725 to 5850	Pass
			0	NV	5744.977	5725 to 5850	Pass
			10	NV	5744.977	5725 to 5850	Pass
			30	NV	5744.977	5725 to 5850	Pass
			40	NV	5744.977	5725 to 5850	Pass
			50	NV	5744.976	5725 to 5850	Pass
		5785	20	LV	5784.976	5725 to 5850	Pass
				NV	5784.976	5725 to 5850	Pass
				HV	5784.976	5725 to 5850	Pass
			-30	NV	5784.976	5725 to 5850	Pass
			-20	NV	5784.976	5725 to 5850	Pass
			-10	NV	5784.976	5725 to 5850	Pass
			0	NV	5784.976	5725 to 5850	Pass
			10	NV	5784.976	5725 to 5850	Pass
			30	NV	5784.976	5725 to 5850	Pass
			40	NV	5784.976	5725 to 5850	Pass
			50	NV	5784.976	5725 to 5850	Pass
		5825	20	LV	5824.976	5725 to 5850	Pass
				NV	5824.976	5725 to 5850	Pass
				HV	5824.976	5725 to 5850	Pass
			-30	NV	5824.976	5725 to 5850	Pass
			-20	NV	5824.976	5725 to 5850	Pass
			-10	NV	5824.975	5725 to 5850	Pass
			0	NV	5824.975	5725 to 5850	Pass
			10	NV	5824.975	5725 to 5850	Pass
			30	NV	5824.975	5725 to 5850	Pass
			40	NV	5824.975	5725 to 5850	Pass
			50	NV	5824.975	5725 to 5850	Pass
		5190	20	LV	5189.977	5150 to 5250	Pass
				NV	5189.977	5150 to 5250	Pass
				HV	5189.977	5150 to 5250	Pass
			-30	NV	5189.977	5150 to 5250	Pass
			-20	NV	5189.977	5150 to 5250	Pass
			-10	NV	5189.977	5150 to 5250	Pass
			0	NV	5189.977	5150 to 5250	Pass
			10	NV	5189.977	5150 to 5250	Pass
			30	NV	5189.977	5150 to 5250	Pass
			40	NV	5189.977	5150 to 5250	Pass
			50	NV	5189.977	5150 to 5250	Pass
		5230	20	LV	5229.977	5150 to 5250	Pass
				NV	5229.976	5150 to 5250	Pass
				HV	5229.976	5150 to 5250	Pass
			-30	NV	5229.976	5150 to 5250	Pass
			-20	NV	5229.976	5150 to 5250	Pass
			-10	NV	5229.976	5150 to 5250	Pass
			0	NV	5229.976	5150 to 5250	Pass

			10	NV	5229.976	5150 to 5250	Pass
			30	NV	5229.976	5150 to 5250	Pass
			40	NV	5229.976	5150 to 5250	Pass
			50	NV	5229.976	5150 to 5250	Pass
		5755	20	LV	5754.973	5725 to 5850	Pass
				NV	5754.973	5725 to 5850	Pass
				HV	5754.973	5725 to 5850	Pass
			-30	NV	5754.973	5725 to 5850	Pass
			-20	NV	5754.973	5725 to 5850	Pass
			-10	NV	5754.973	5725 to 5850	Pass
			0	NV	5754.973	5725 to 5850	Pass
			10	NV	5754.973	5725 to 5850	Pass
			30	NV	5754.973	5725 to 5850	Pass
			40	NV	5754.973	5725 to 5850	Pass
			50	NV	5754.973	5725 to 5850	Pass
		5795	20	LV	5794.973	5725 to 5850	Pass
				NV	5794.973	5725 to 5850	Pass
				HV	5794.973	5725 to 5850	Pass
			-30	NV	5794.973	5725 to 5850	Pass
			-20	NV	5794.972	5725 to 5850	Pass
			-10	NV	5794.972	5725 to 5850	Pass
			0	NV	5794.972	5725 to 5850	Pass
			10	NV	5794.972	5725 to 5850	Pass
			30	NV	5794.972	5725 to 5850	Pass
			40	NV	5794.972	5725 to 5850	Pass
			50	NV	5794.972	5725 to 5850	Pass
		5210	20	LV	5209.975	5150 to 5250	Pass
				NV	5209.975	5150 to 5250	Pass
				HV	5209.975	5150 to 5250	Pass
			-30	NV	5209.975	5150 to 5250	Pass
			-20	NV	5209.975	5150 to 5250	Pass
			-10	NV	5209.975	5150 to 5250	Pass
			0	NV	5209.975	5150 to 5250	Pass
			10	NV	5209.975	5150 to 5250	Pass
			30	NV	5209.975	5150 to 5250	Pass
			40	NV	5209.975	5150 to 5250	Pass
			50	NV	5209.975	5150 to 5250	Pass
		5775	20	LV	5774.972	5725 to 5850	Pass
				NV	5774.972	5725 to 5850	Pass
				HV	5774.972	5725 to 5850	Pass
			-30	NV	5774.972	5725 to 5850	Pass
			-20	NV	5774.972	5725 to 5850	Pass
			-10	NV	5774.972	5725 to 5850	Pass
			0	NV	5774.972	5725 to 5850	Pass
			10	NV	5774.972	5725 to 5850	Pass
			30	NV	5774.972	5725 to 5850	Pass
			40	NV	5774.972	5725 to 5850	Pass
			50	NV	5774.972	5725 to 5850	Pass

***** End of Report *****