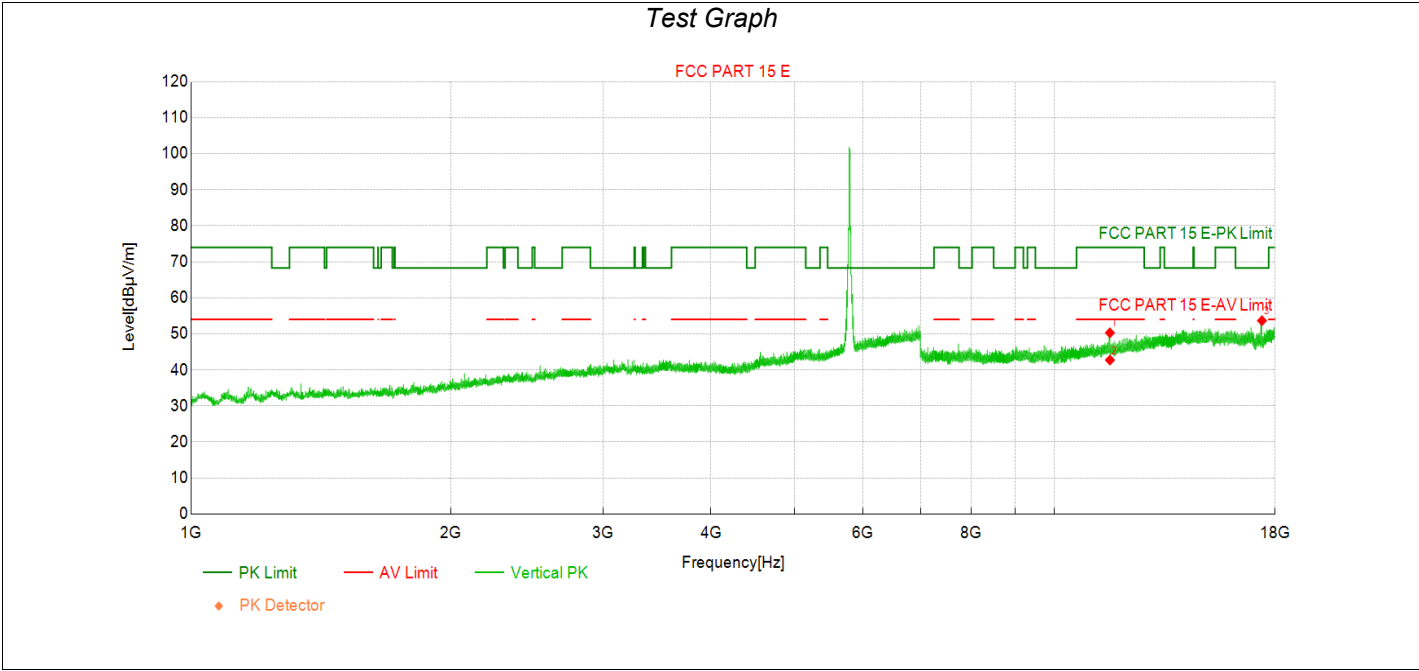
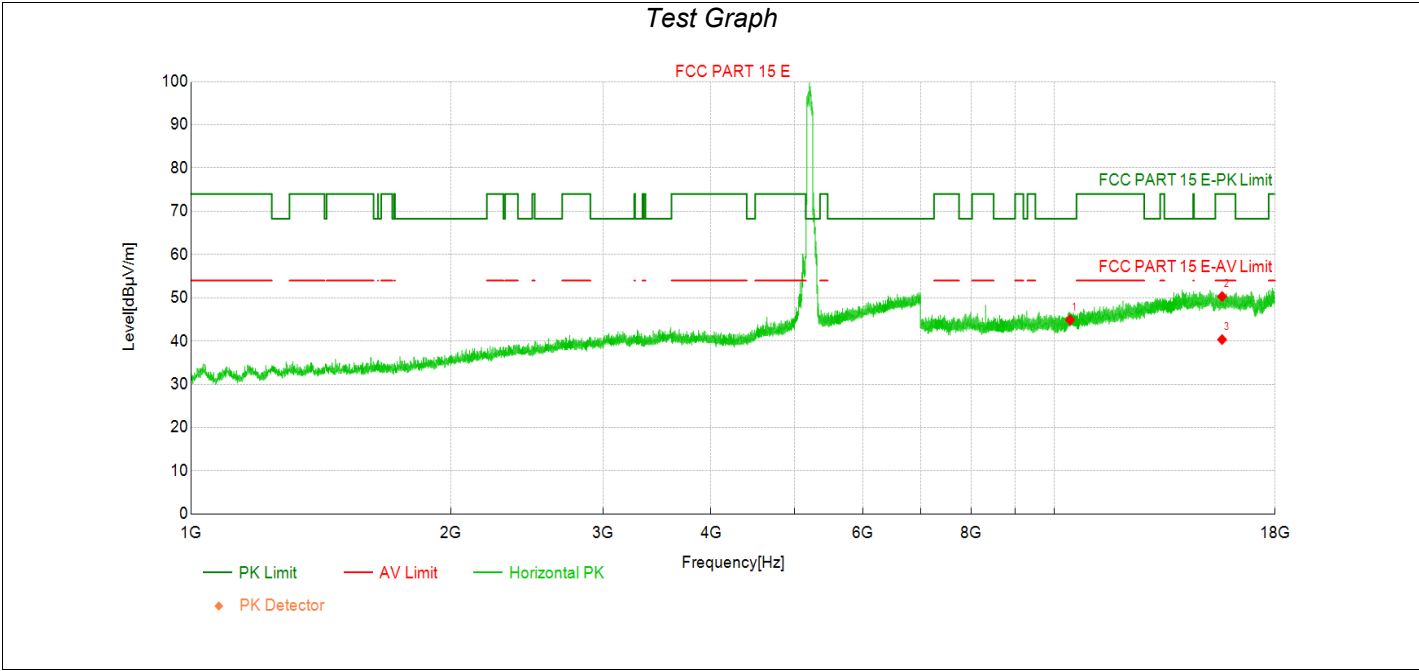


Transmit at 5795MHz by 802.11ax(40MHz) with Ant1+2



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11589.29	45.5	50.28	4.800	74.00	23.72	PK	Vertic	PASS
2	11589.29	37.9	42.73	4.800	54.00	11.27	AV	Vertic	PASS
3	17383.08	42.9	53.66	10.760	68.30	14.64	PK	Vertic	PASS

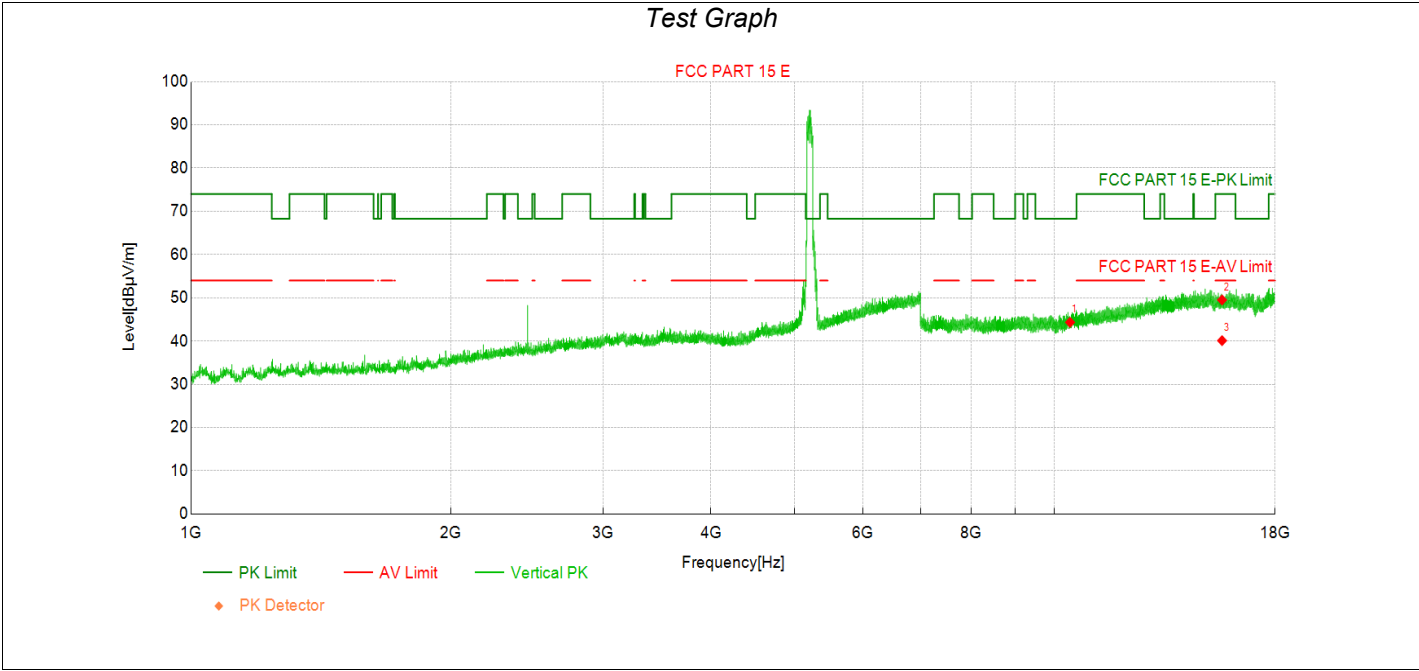
Transmit at 5210MHz by 802.11ac(80MHz) with Ant1+2



Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	42.1	44.89	2.800	68.30	23.41	PK	Horizo	PASS
2	15630.00	39.6	50.30	10.730	74.00	23.70	PK	Horizo	PASS
3	15630.00	29.6	40.35	10.730	54.00	13.65	AV	Horizo	PASS

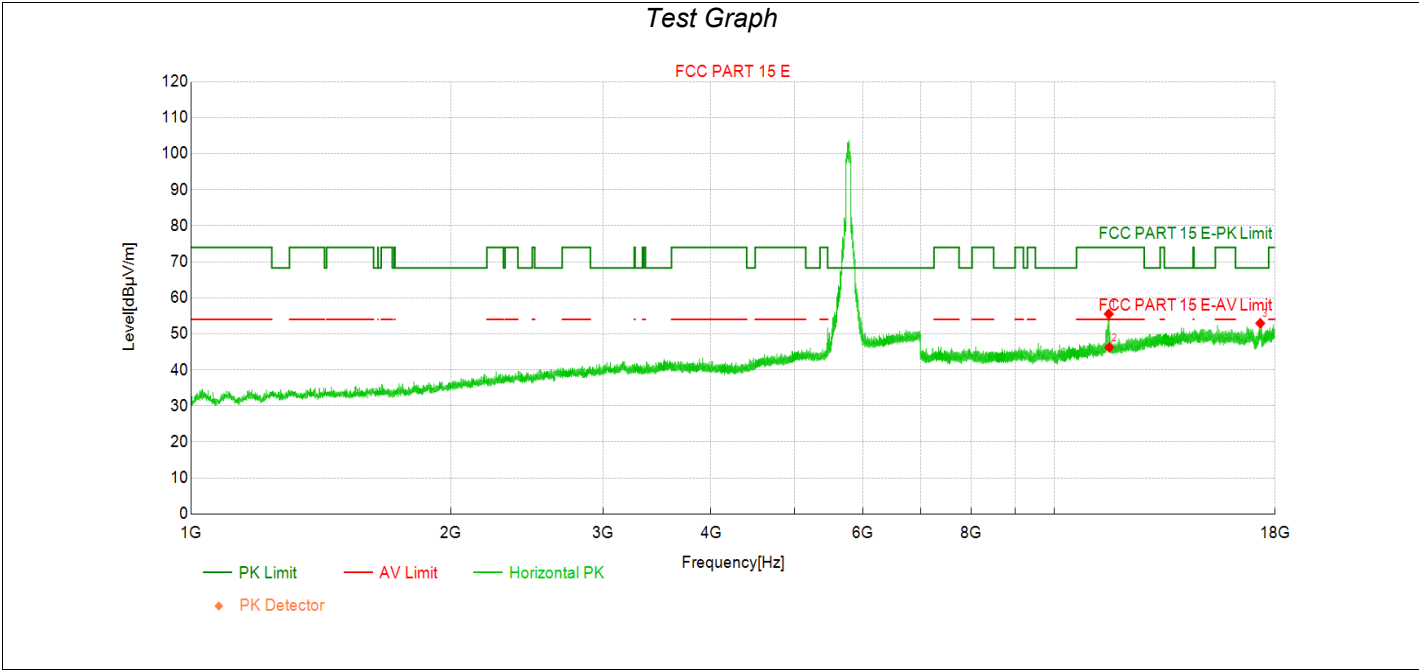
Transmit at 5210MHz by 802.11ac(80MHz) with Ant1+2



Data List

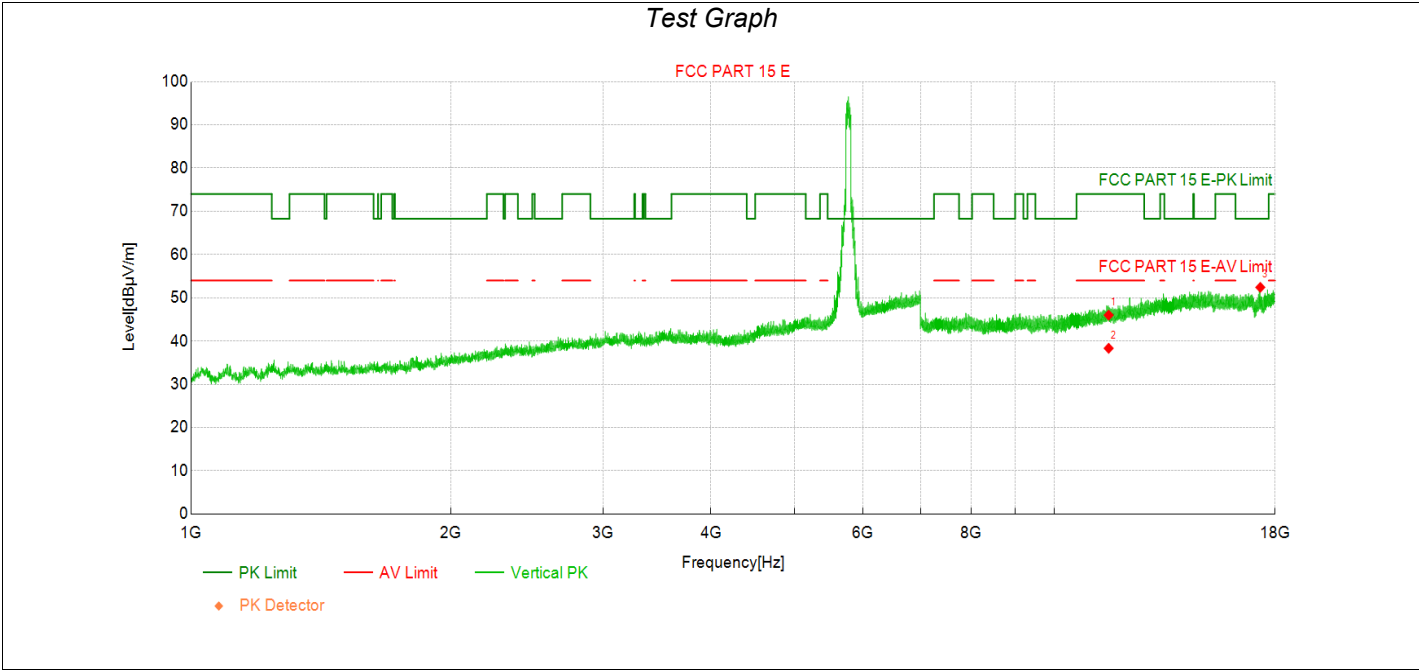
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	41.5	44.34	2.800	68.30	23.96	PK	Vertic	PASS
2	15630.00	38.8	49.51	10.730	74.00	24.49	PK	Vertic	PASS
3	15630.00	29.4	40.10	10.730	54.00	13.90	AV	Vertic	PASS

Transmit at 5775MHz by 802.11ac(80MHz) with Ant1+2



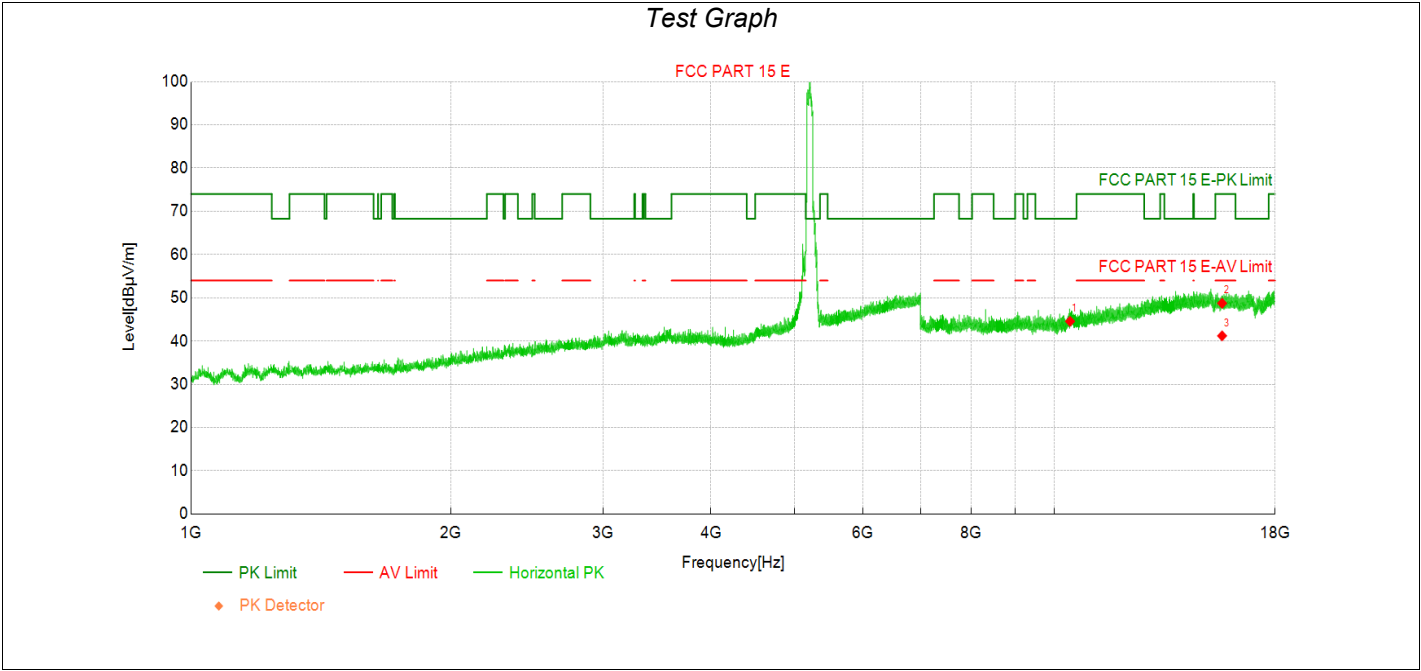
Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11553.08	50.6	55.53	4.940	74.00	18.47	PK	Horizo	PASS
2	11571.42	41.4	46.25	4.870	54.00	7.75	AV	Horizo	PASS
3	17306.08	42.2	52.94	10.760	68.30	15.36	PK	Horizo	PASS

Transmit at 5775MHz by 802.11ac(80MHz) with Ant1+2



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11550.00	41.0	45.99	4.950	74.00	28.01	PK	Vertic	PASS
2	11550.00	33.4	38.33	4.950	54.00	15.67	AV	Vertic	PASS
3	17306.54	41.7	52.42	10.760	68.30	15.88	PK	Vertic	PASS

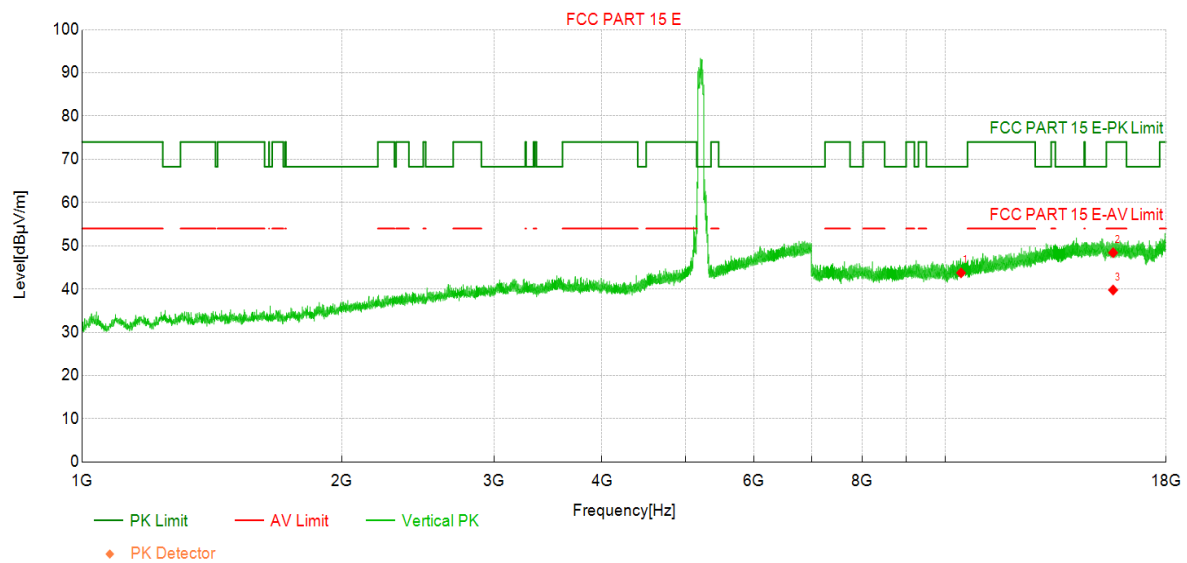
Transmit at 5210MHz by 802.11ax(80MHz) with Ant1+2



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	41.8	44.56	2.800	68.30	23.74	PK	Horizo	PASS
2	15630.00	38.0	48.74	10.730	74.00	25.26	PK	Horizo	PASS
3	15630.00	30.5	41.21	10.730	54.00	12.79	AV	Horizo	PASS

Transmit at 5210MHz by 802.11ax(80MHz) with Ant1+2

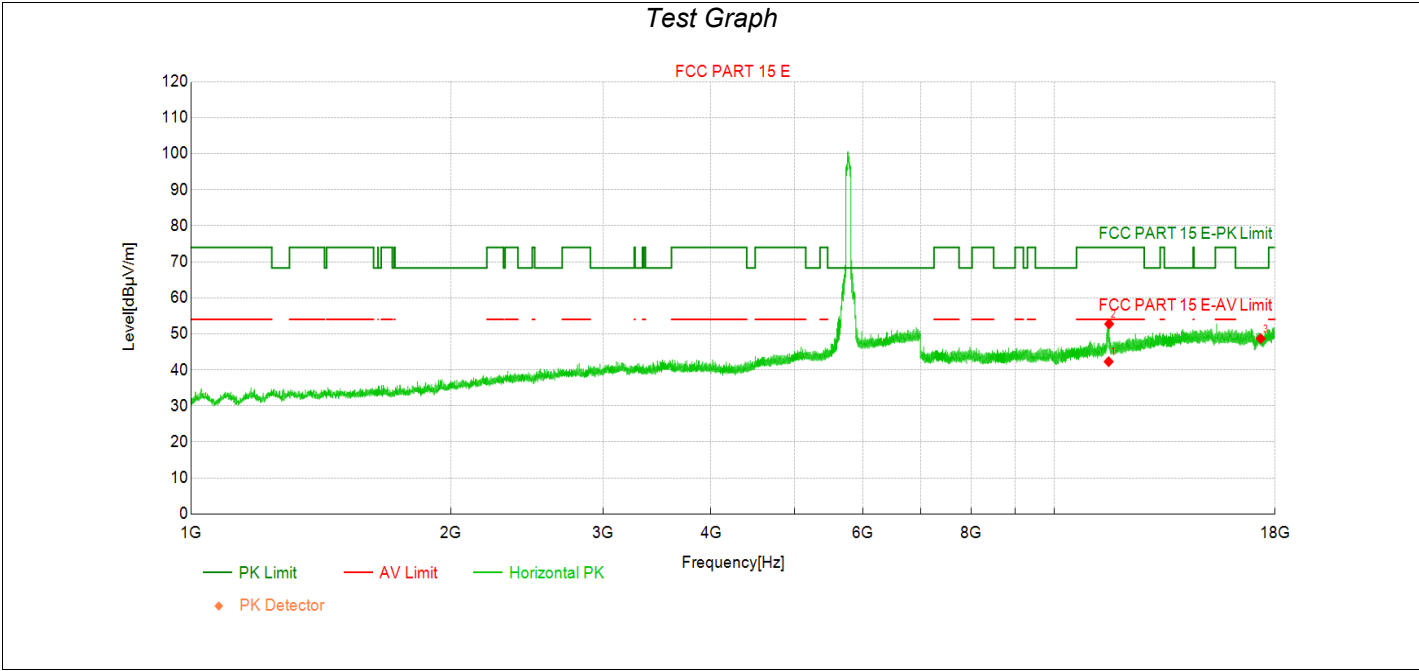
Test Graph



Data List

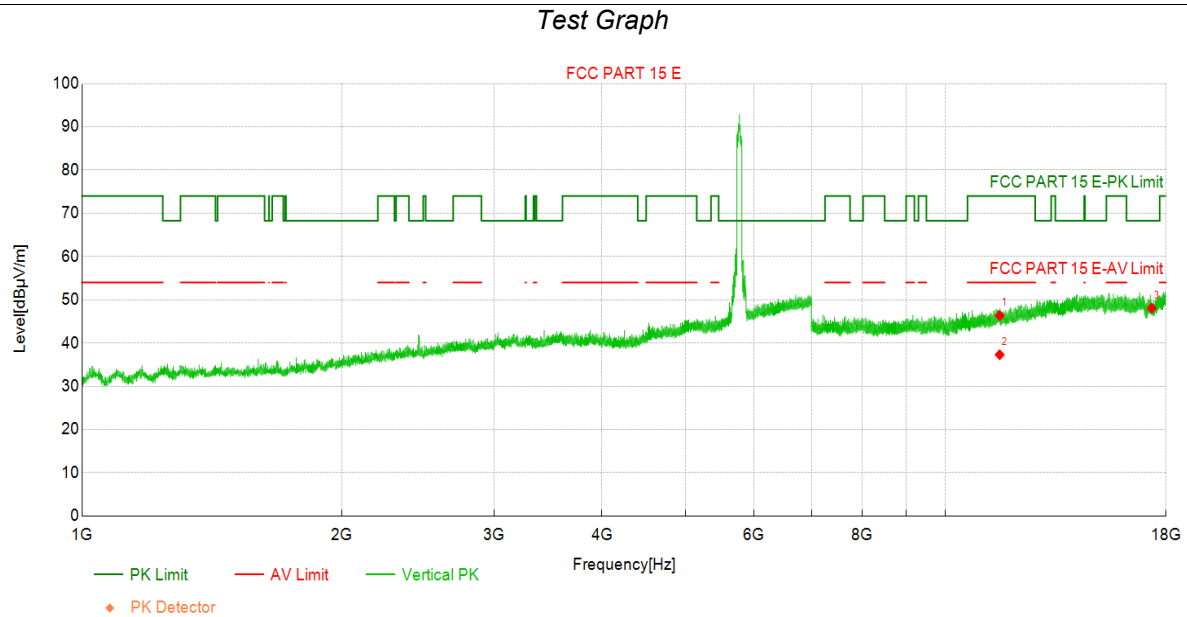
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	10420.00	40.9	43.74	2.800	68.30	24.56	PK	Vertic	PASS
2	15630.00	37.7	48.41	10.730	74.00	25.59	PK	Vertic	PASS
3	15630.00	29.1	39.79	10.730	54.00	14.21	AV	Vertic	PASS

Transmit at 5775MHz by 802.11ax(80MHz) with Ant1+2



Data List									
NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	11550.00	37.4	42.30	4.950	54.00	11.70	AV	Horizo	PASS
2	11565.00	47.9	52.74	4.890	74.00	21.26	PK	Horizo	PASS
3	17325.00	37.9	48.69	10.750	68.30	19.61	PK	Horizo	PASS

Transmit at 5775MHz by 802.11ax(80MHz) with Ant1+2



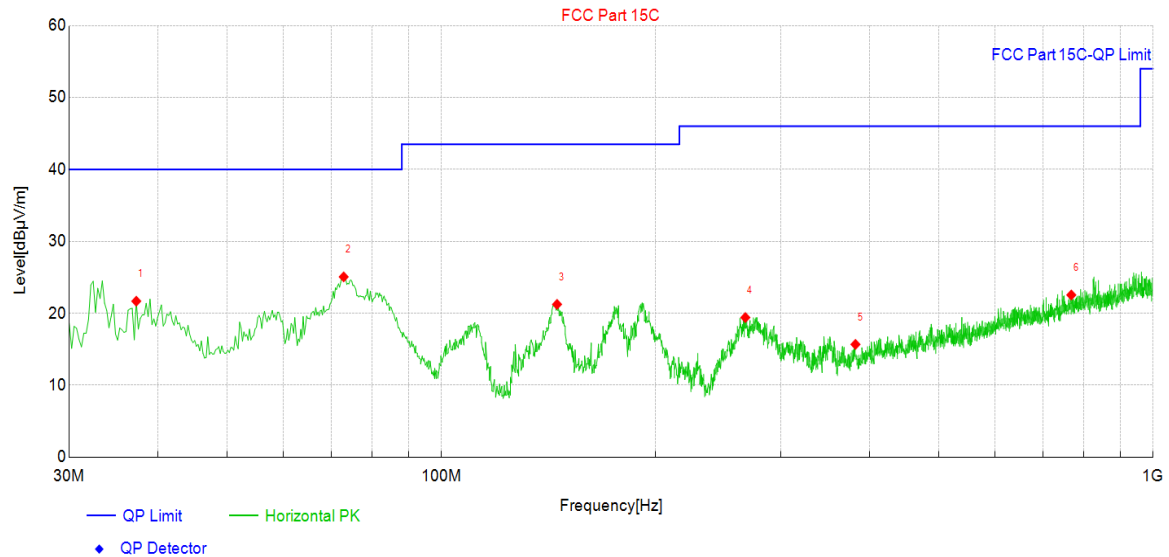
Data List

NO	Frequenc y [MHz]	Reading [dBµV]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Det	Pol	Verdict
1	11550.00	41.4	46.35	4.950	74.00	27.65	PK	Vertic	PASS
2	11550.00	32.3	37.29	4.950	54.00	16.71	AV	Vertic	PASS
3	17325.00	37.3	48.06	10.750	68.30	20.24	PK	Vertic	PASS

The worst case data below 1GHz:

Transmit at 5180MHz by 802.11a with Ant2

Test Graph

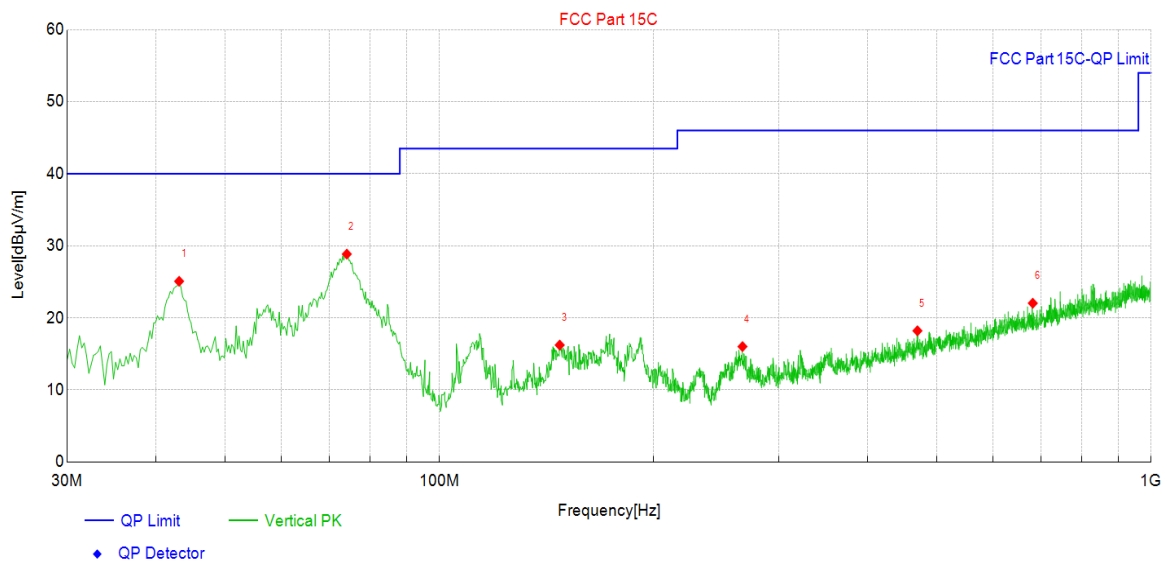


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	37.28	40.6	21.69	-18.920	40.00	18.31	PK	Horizo	PASS
2	72.92	45.8	25.07	-20.720	40.00	14.93	PK	Horizo	PASS
3	145.43	39.6	21.25	-18.330	43.50	22.25	PK	Horizo	PASS
4	267.41	37.6	19.42	-18.180	46.00	26.58	PK	Horizo	PASS
5	381.87	30.3	15.68	-14.570	46.00	30.32	PK	Horizo	PASS
6	767.69	29.4	22.55	-6.870	46.00	23.45	PK	Horizo	PASS

Transmit at 5180MHz by 802.11a with Ant2

Test Graph

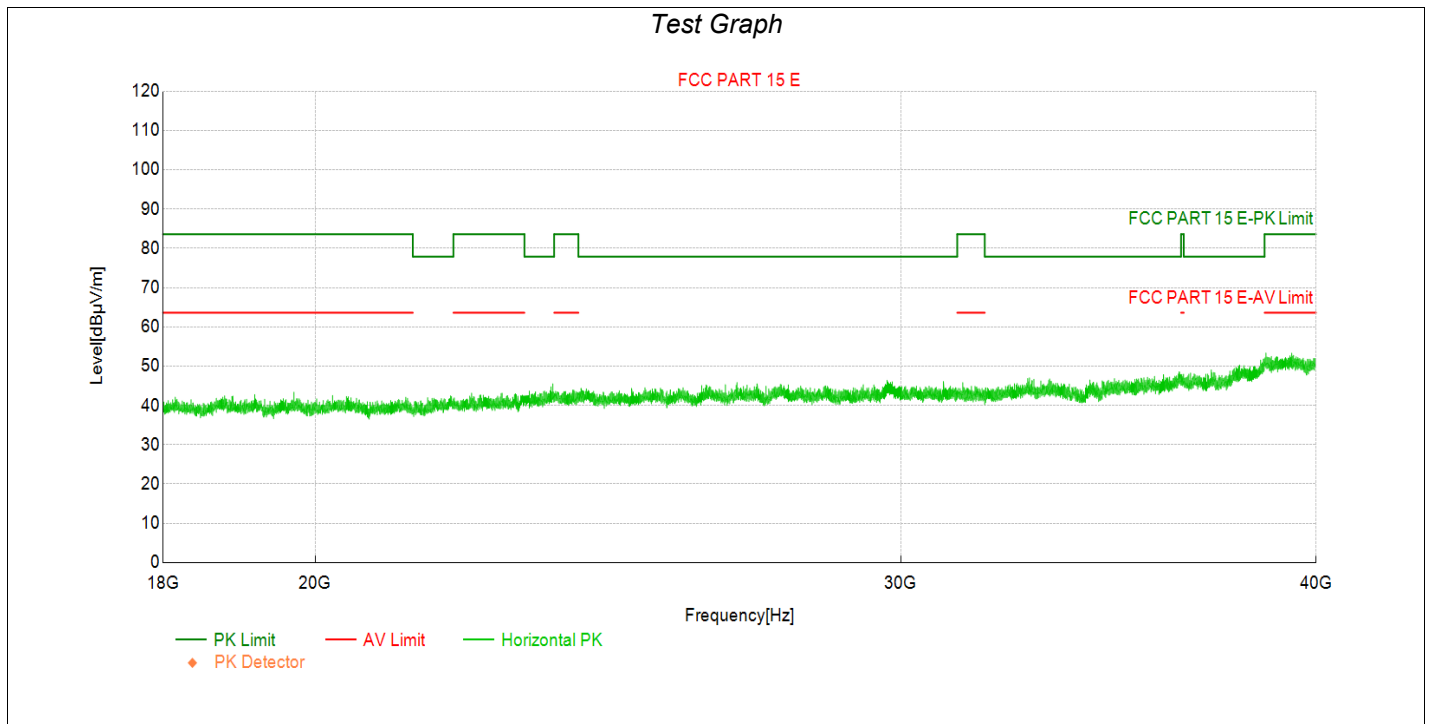


Data List

NO	Frequency [MHz]	Reading [dBμV]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Det	Pol	Verdict
1	43.10	43.7	25.08	-18.600	40.00	14.92	PK	Vertic	PASS
2	74.14	49.9	28.85	-21.020	40.00	11.15	PK	Vertic	PASS
3	147.61	34.5	16.23	-18.230	43.50	27.27	PK	Vertic	PASS
4	266.68	34.2	16.02	-18.220	46.00	29.98	PK	Vertic	PASS
5	469.65	30.3	18.21	-12.060	46.00	27.79	PK	Vertic	PASS
6	682.08	30.1	22.04	-8.060	46.00	23.96	PK	Vertic	PASS

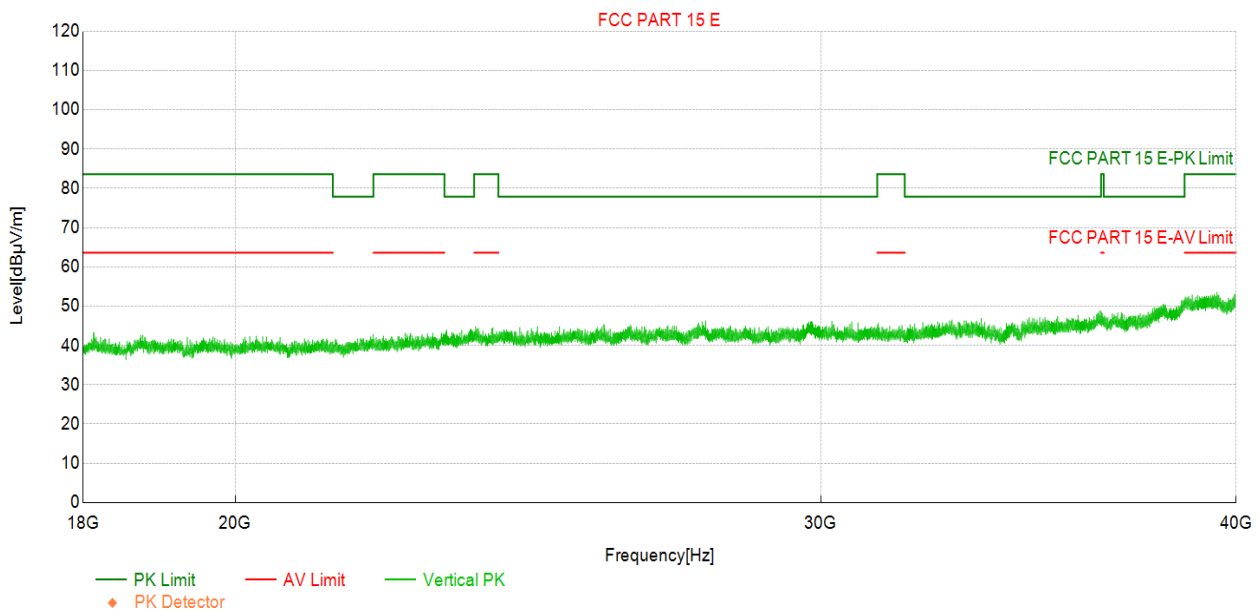
The worst case data above 18GHz:

Transmit at 5180MHz by 802.11a with Ant2



Transmit at 5180MHz by 802.11a with Ant2

Test Graph



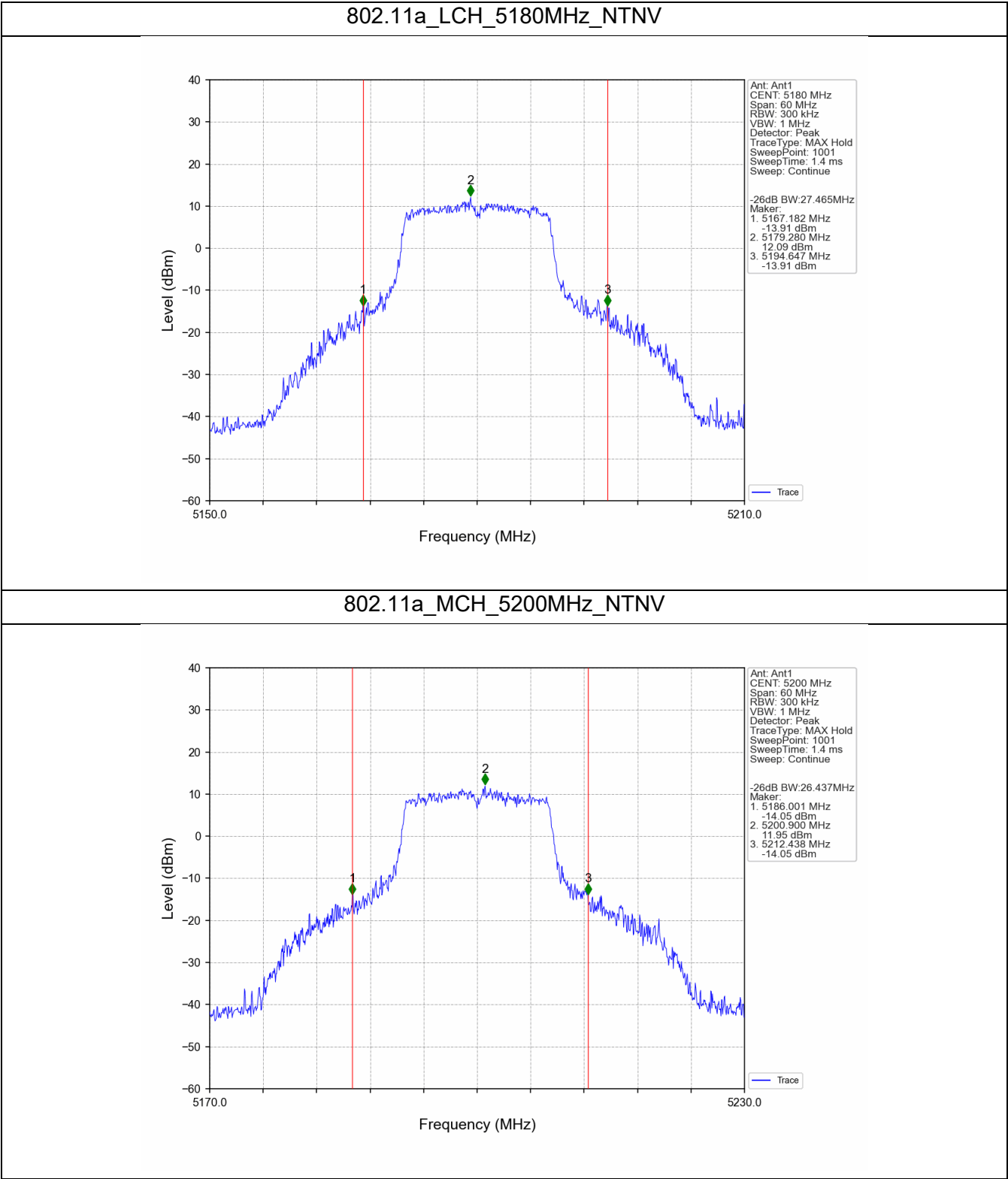
Note:

1. Level = Reading + Factor
2. Margin = Limit – Level
3. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
4. All test data above 18GHz are noise base, only the verification test is carried out for the worst channel of 1~18G worst mode..
5. In the report, below 1G, only the verification test is carried out for the worst channel of 1~18G worst mode.
6. The below 1G test data was measured on the worst-case configuration selected from each transmission mode on the low and high channel.
7. Only the worst antenna combination data is included in the report.

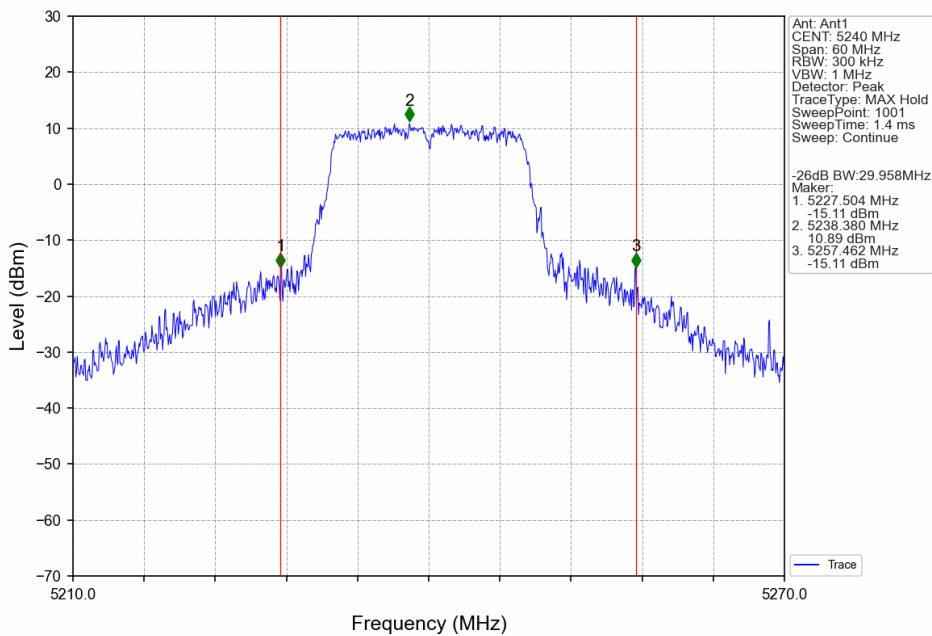
Appendix B: Test result of Emission bandwidth and occupied bandwidth

TestMode	Frequency[MHz]	26db EBW [MHz]	Limit[MHz]	Verdict
11A	5180	27.465	Within band	Pass
11A	5200	26.437	Within band	Pass
11A	5240	29.958	Within band	Pass
11N20	5180	27.600	Within band	Pass
11N20	5200	28.709	Within band	Pass
11N20	5240	20.641	Within band	Pass
11N40	5190	56.469	Within band	Pass
11N40	5230	43.221	Within band	Pass
11AC20	5180	28.186	Within band	Pass
11AC20	5200	25.776	Within band	Pass
11AC20	5240	20.512	Within band	Pass
11AC40	5190	50.970	Within band	Pass
11AC40	5230	53.137	Within band	Pass
11AC80	5210	95.024	Within band	Pass
11AX20	5180	24.995	Within band	Pass
11AX20	5200	27.125	Within band	Pass
11AX20	5240	19.852	Within band	Pass
11AX40	5190	45.595	Within band	Pass
11AX40	5230	40.416	Within band	Pass
11AX80	5210	90.129	Within band	Pass
11BE20	5180	27.465	Within band	Pass
11BE20	5200	26.437	Within band	Pass
11BE20	5240	29.958	Within band	Pass
11BE40	5190	27.600	Within band	Pass
11BE40	5230	28.709	Within band	Pass
11BE80	5210	20.641	Within band	Pass

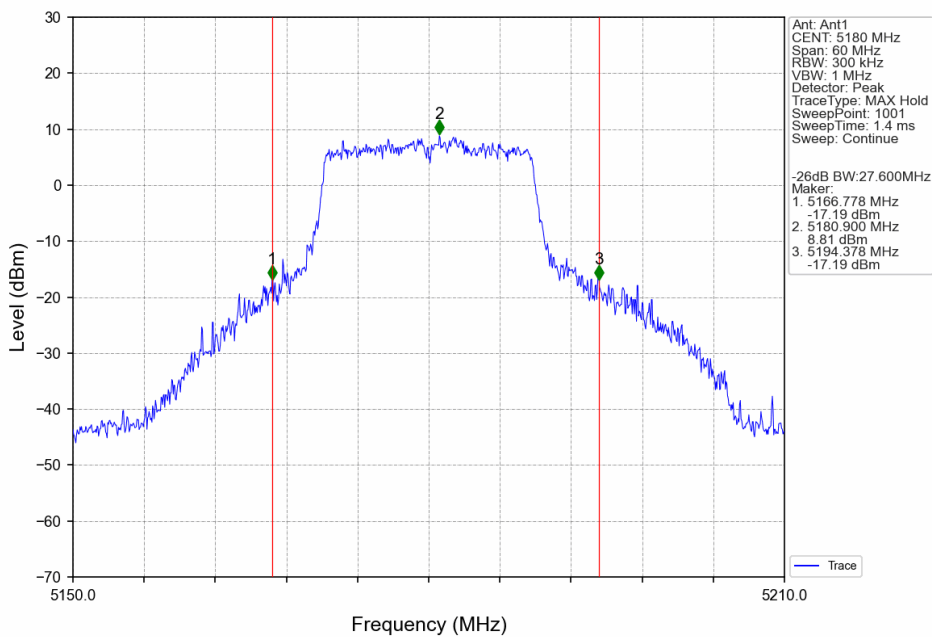
Note: We have evaluated each antenna, only worst data shown in report.



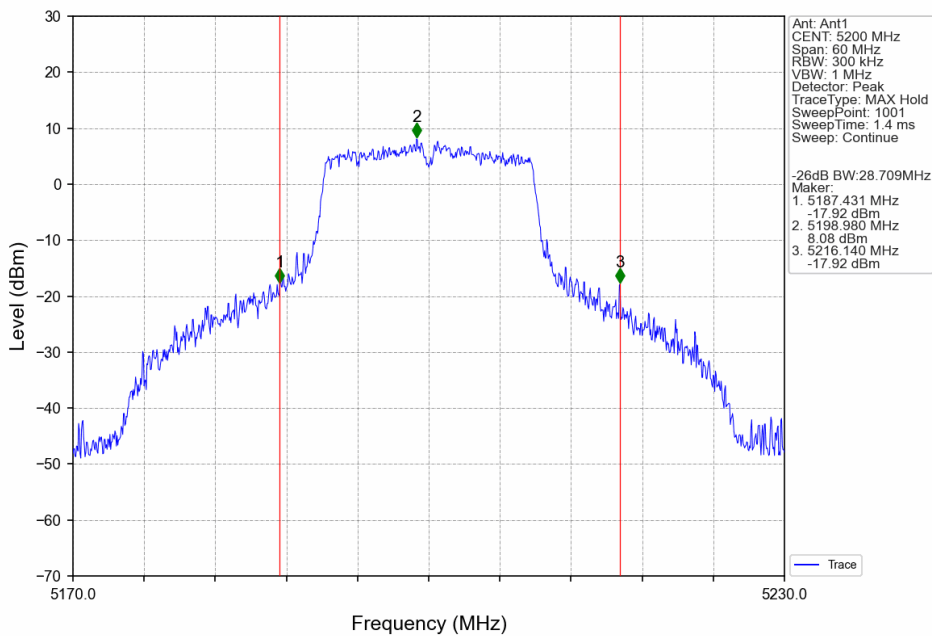
802.11a_HCH_5240MHz_NTNV



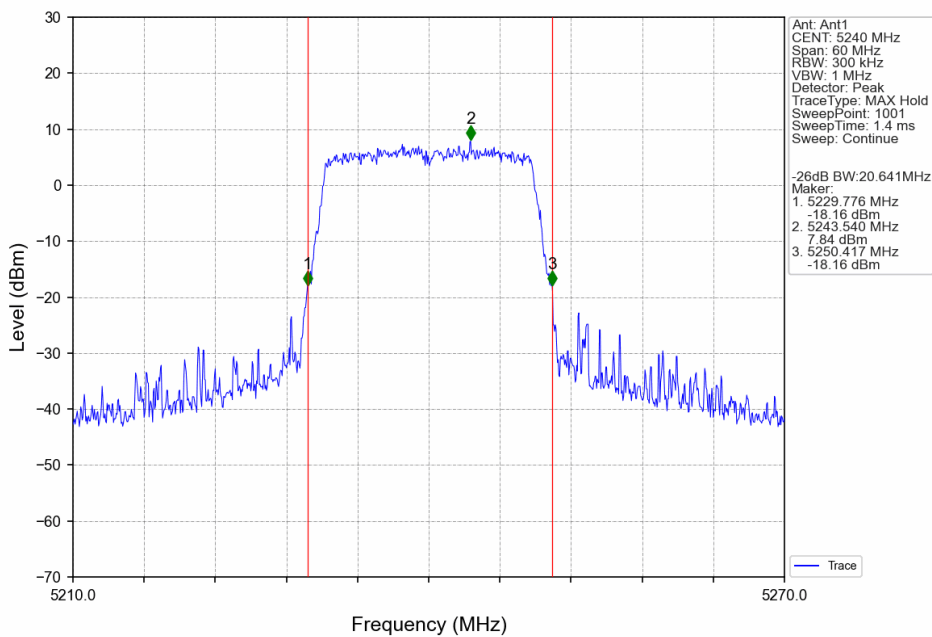
802.11n(HT20)_LCH_5180MHz_NTNV



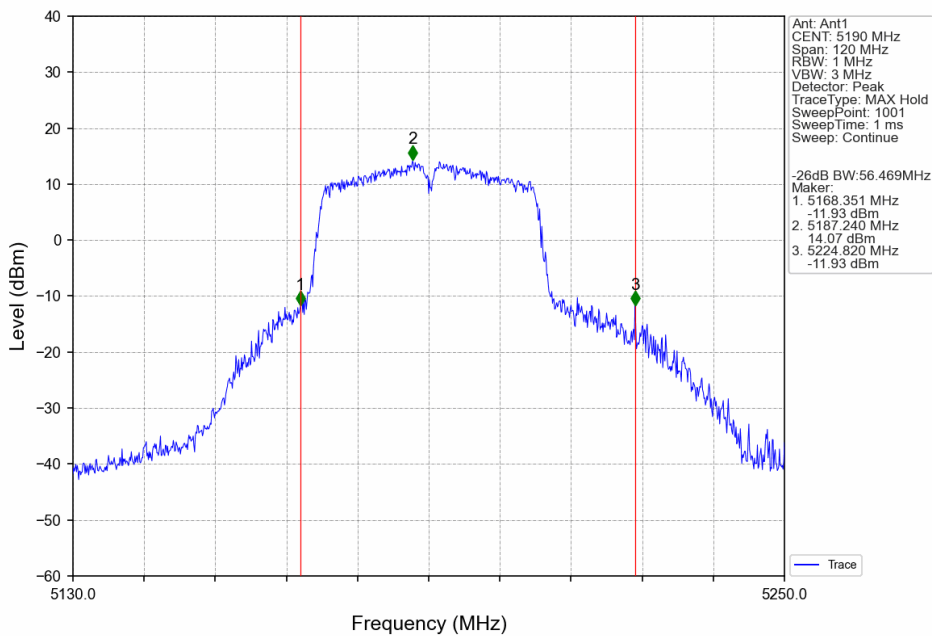
802.11n(HT20)_MCH_5200MHz_NTNV



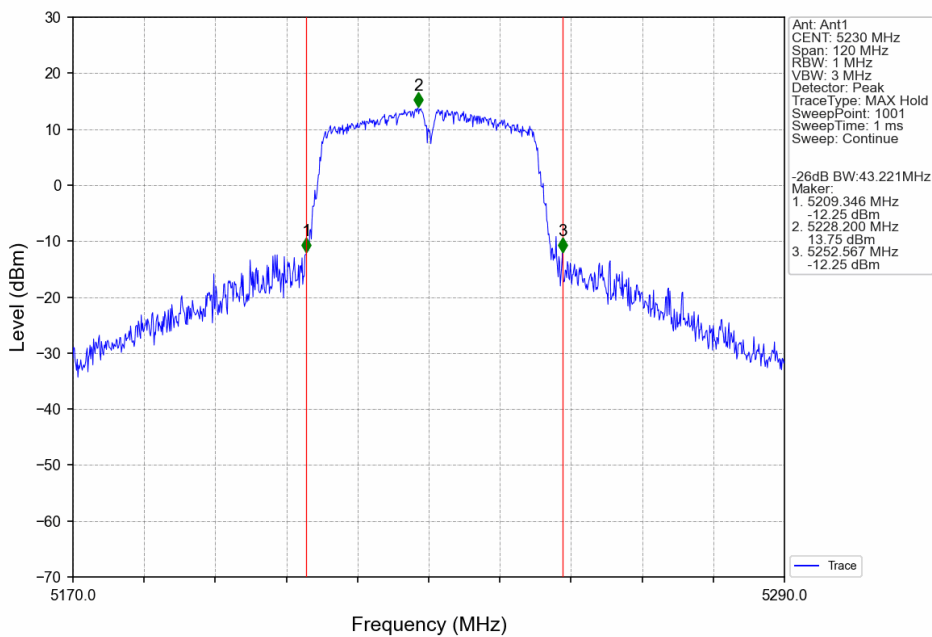
802.11n(HT20)_HCH_5240MHz_NTNV



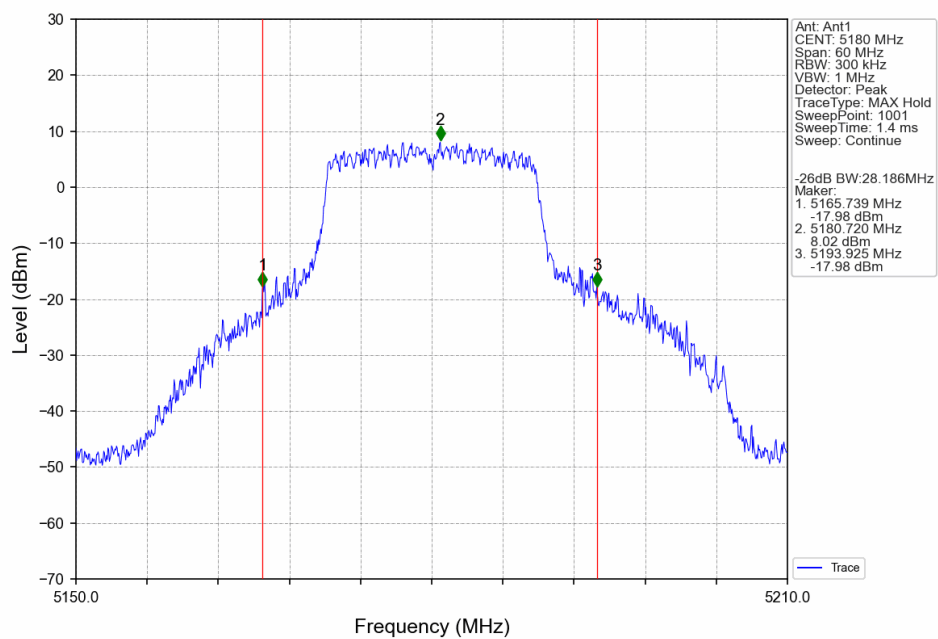
802.11n(HT40)_LCH_5190MHz_NTNV



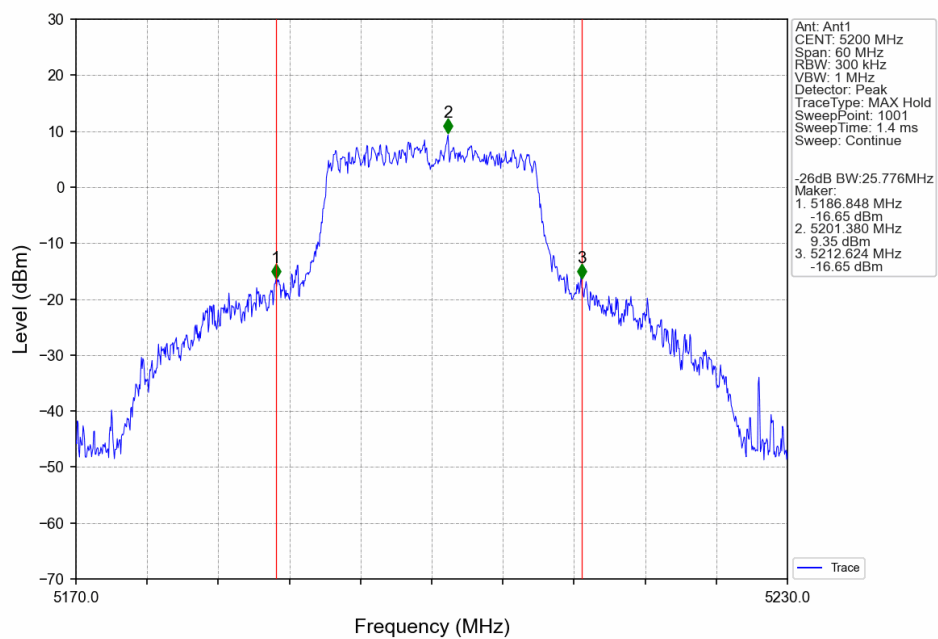
802.11n(HT40)_HCH_5230MHz_NTNV



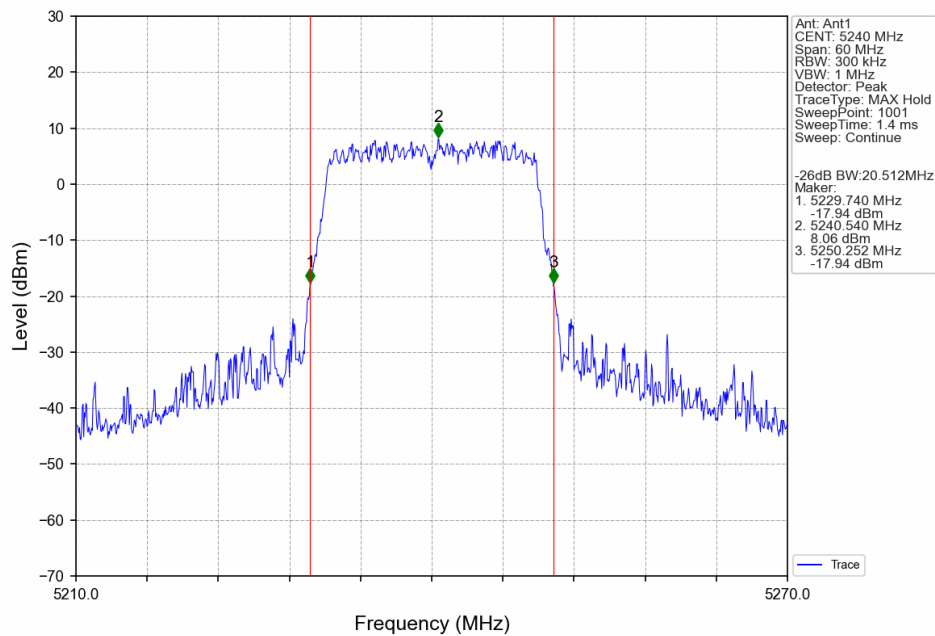
802.11ac(VHT20)_LCH_5180MHz_NTNV



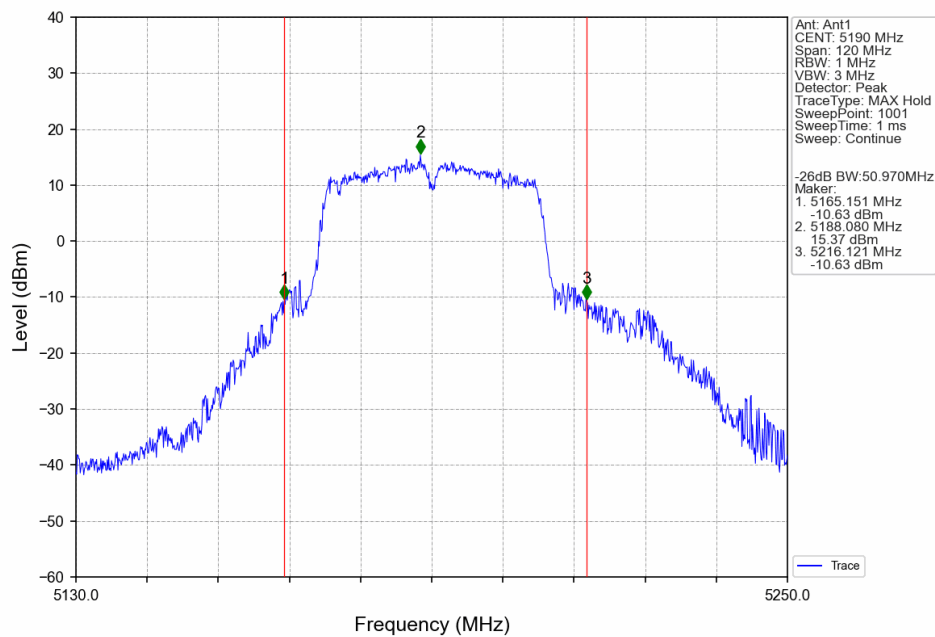
802.11ac(VHT20)_MCH_5200MHz_NTNV



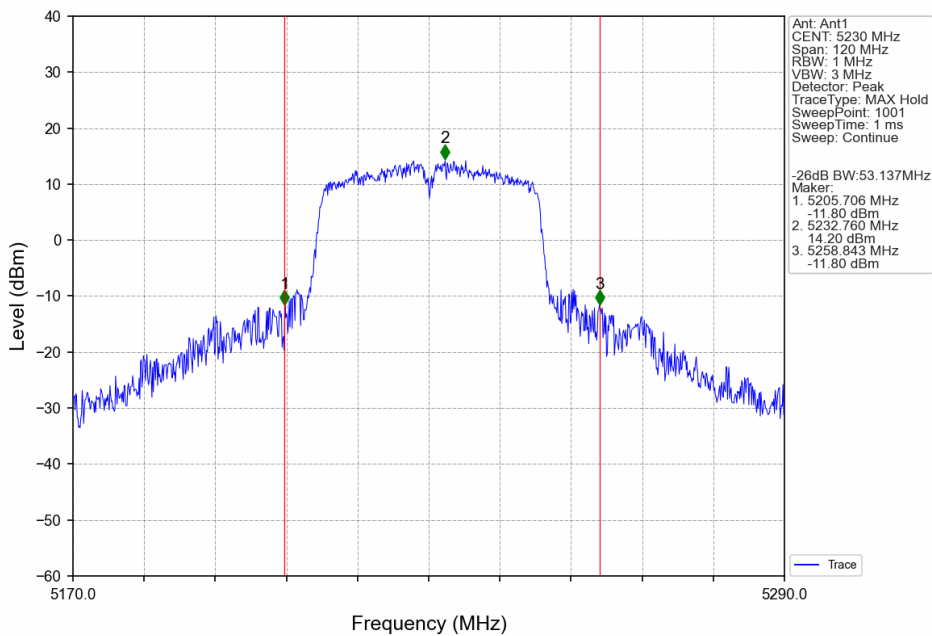
802.11ac(VHT20)_HCH_5240MHz_NTNV



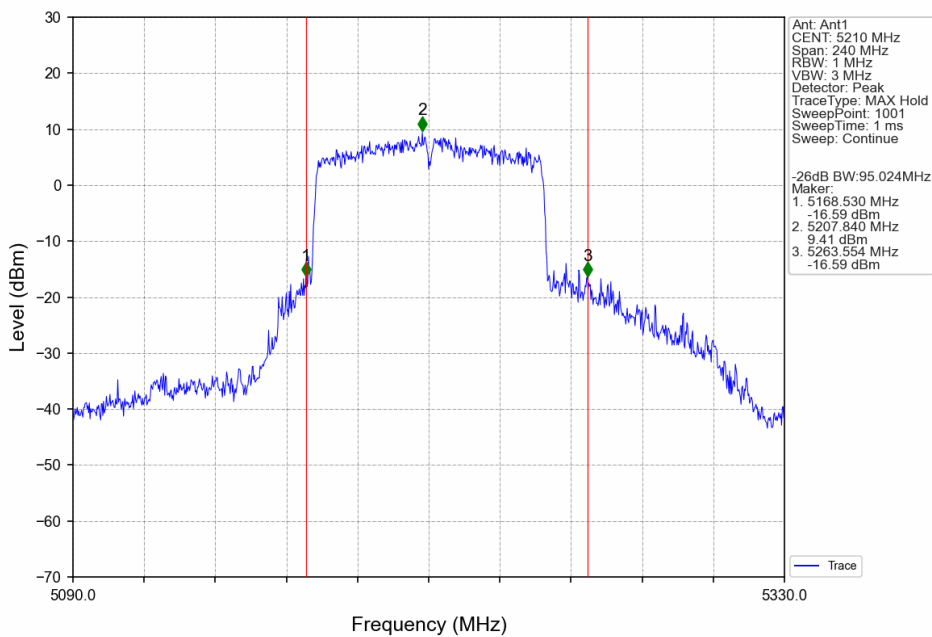
802.11ac(VHT40)_LCH_5190MHz_NTNV



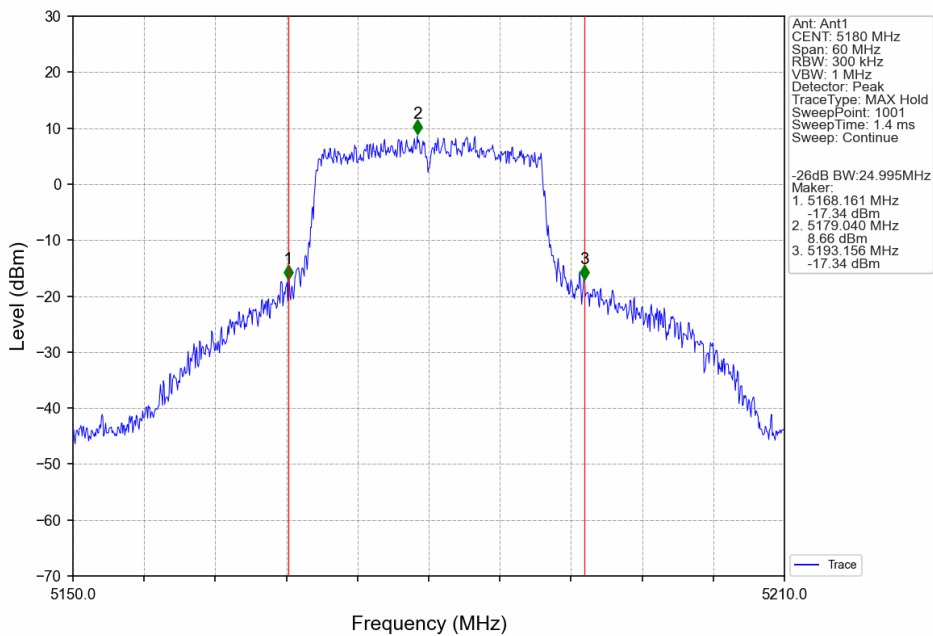
802.11ac(VHT40)_HCH_5230MHz_NTNV



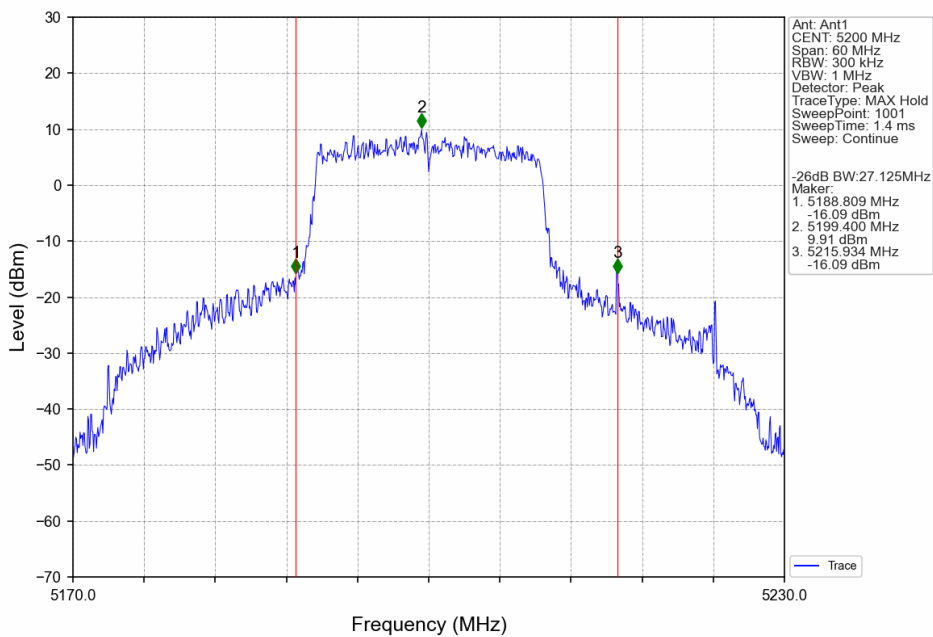
802.11ac(VHT80)_MCH_5210MHz_NTNV



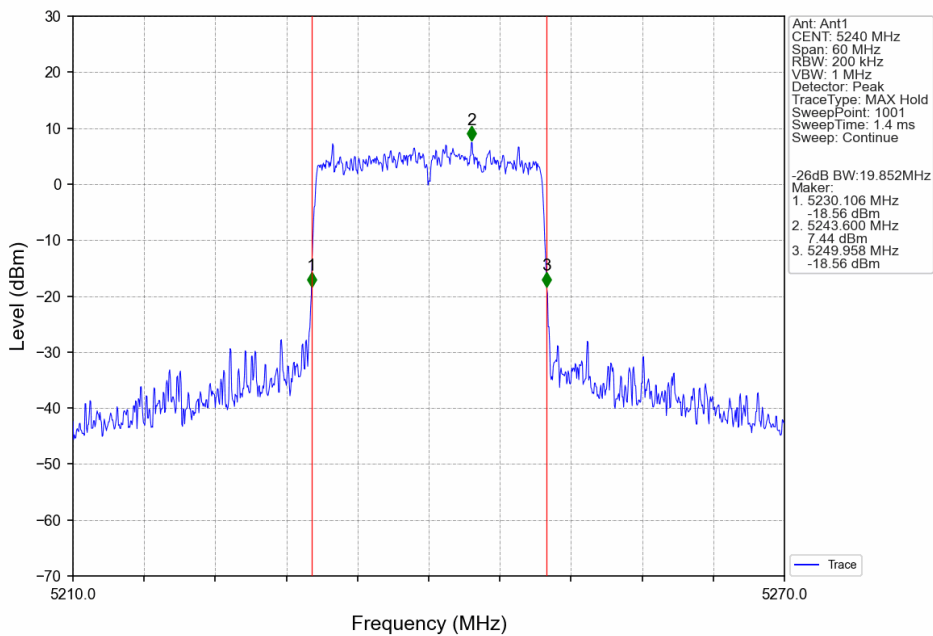
802.11ax(HEW20)_LCH_5180MHz_SU_/_NTNV



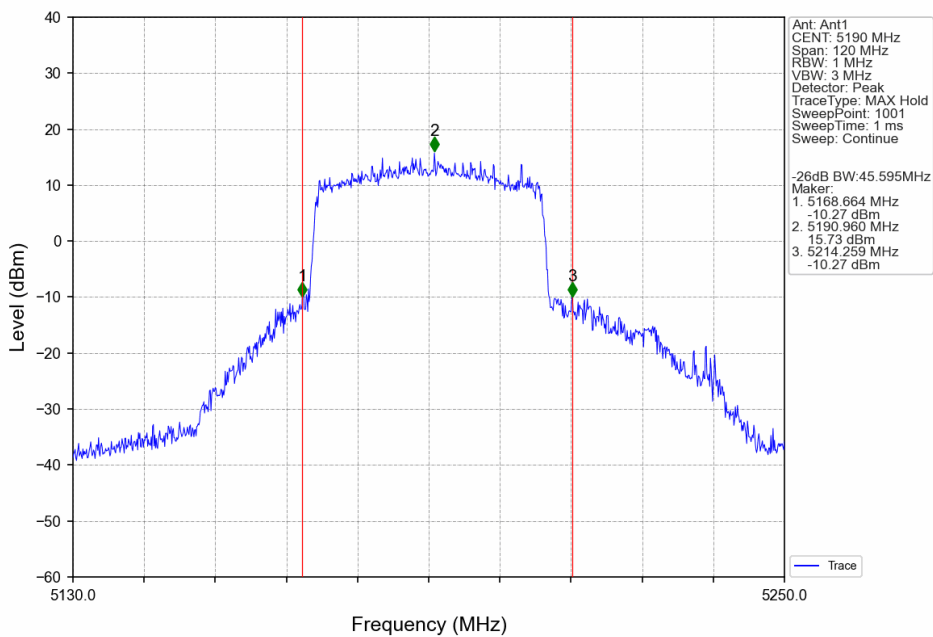
802.11ax(HEW20)_MCH_5200MHz_SU_/_NTNV



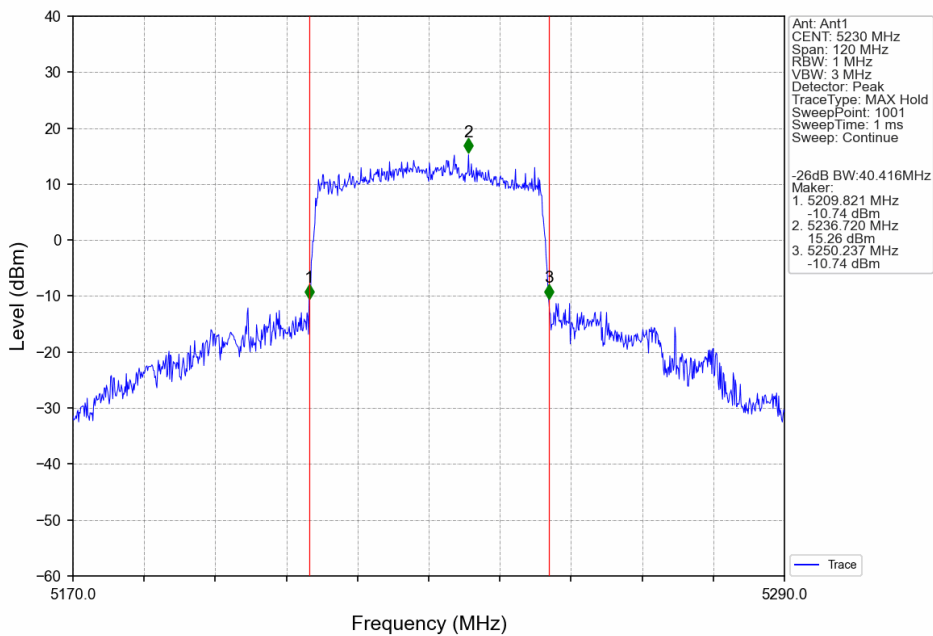
802.11ax(HEW20)_HCH_5240MHz_SU_/_NTNV



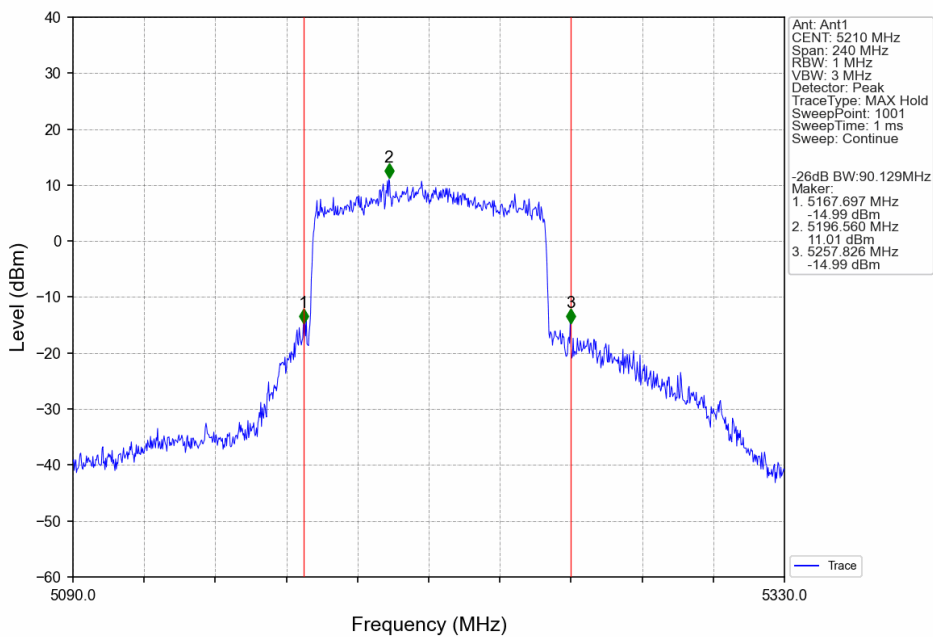
802.11ax(HEW40)_LCH_5190MHz_SU_/_NTNV



802.11ax(HEW40)_HCH_5230MHz_SU_/_NTNV



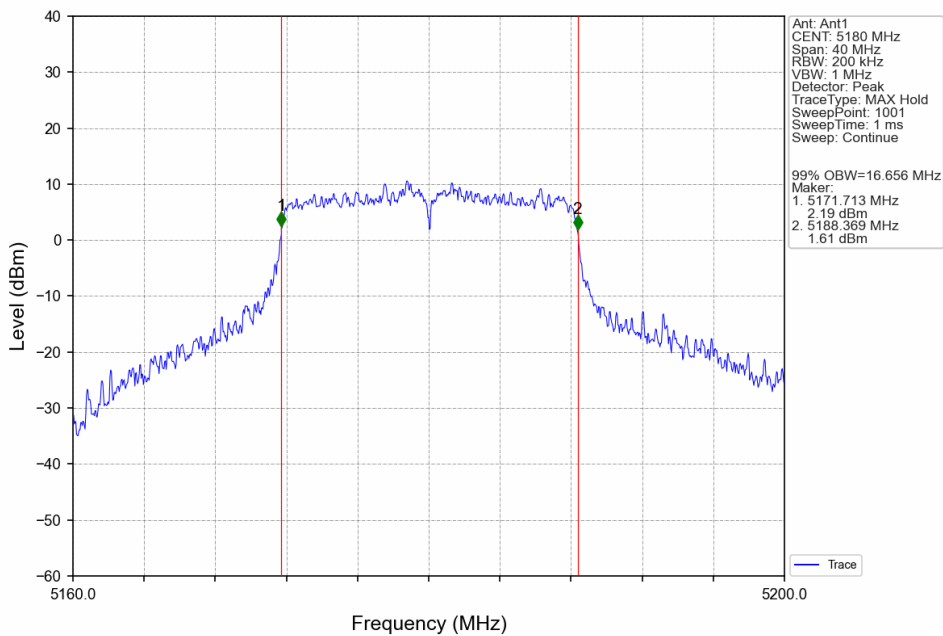
802.11ax(HEW80)_MCH_5210MHz_SU_/_NTNV



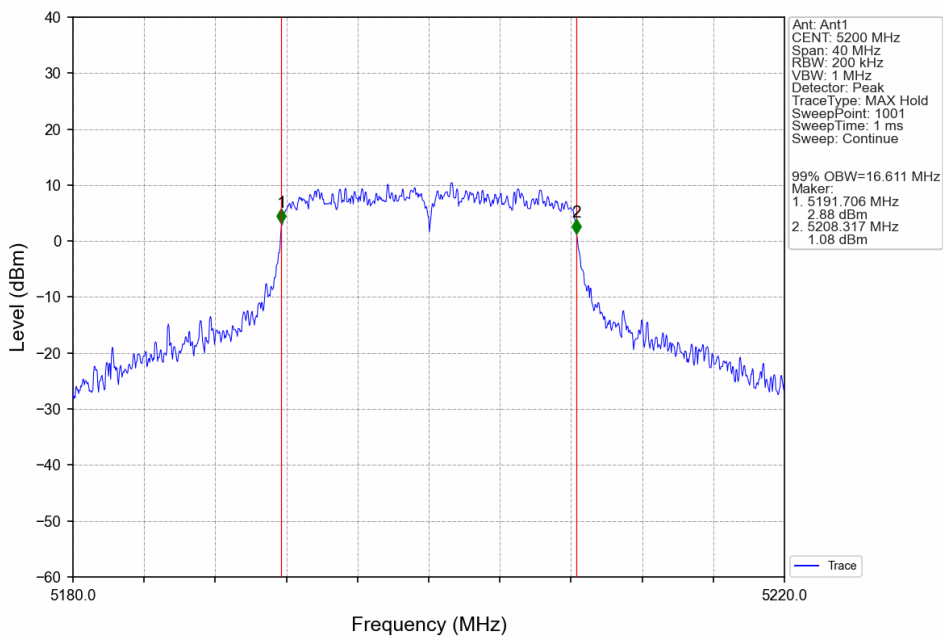
TestMode	Frequency[MHz]	99% OCB [MHz]	Limit[MHz]	Verdict
11A	5180	16.656	Within band	Pass
11A	5200	16.611	Within band	Pass
11A	5240	16.653	Within band	Pass
11A	5745	19.968	Within band	Pass
11A	5785	21.943	Within band	Pass
11A	5825	18.220	Within band	Pass
11N20	5180	17.841	Within band	Pass
11N20	5200	17.844	Within band	Pass
11N20	5240	17.674	Within band	Pass
11N20	5745	18.028	Within band	Pass
11N20	5785	18.186	Within band	Pass
11N20	5825	17.955	Within band	Pass
11N40	5190	36.546	Within band	Pass
11N40	5230	36.504	Within band	Pass
11N40	5755	37.282	Within band	Pass
11N40	5795	38.208	Within band	Pass
11AC20	5180	17.835	Within band	Pass
11AC20	5200	17.868	Within band	Pass
11AC20	5240	17.718	Within band	Pass
11AC20	5745	18.405	Within band	Pass
11AC20	5785	18.559	Within band	Pass
11AC20	5825	18.047	Within band	Pass
11AC40	5190	36.780	Within band	Pass
11AC40	5230	36.775	Within band	Pass
11AC40	5755	39.454	Within band	Pass
11AC40	5795	40.083	Within band	Pass
11AC80	5210	75.638	Within band	Pass
11AC80	5775	75.263	Within band	Pass
11AX20	5180	18.979	Within band	Pass
11AX20	5200	19.041	Within band	Pass
11AX20	5240	18.851	Within band	Pass
11AX20	5745	19.194	Within band	Pass
11AX20	5785	19.249	Within band	Pass
11AX20	5825	19.082	Within band	Pass
11AX40	5190	37.881	Within band	Pass
11AX40	5230	37.891	Within band	Pass
11AX40	5755	38.966	Within band	Pass
11AX40	5795	41.282	Within band	Pass
11AX80	5210	77.020	Within band	Pass
11AX80	5775	77.005	Within band	Pass

Note: We have evaluated each antenna, only worst data shown in report.

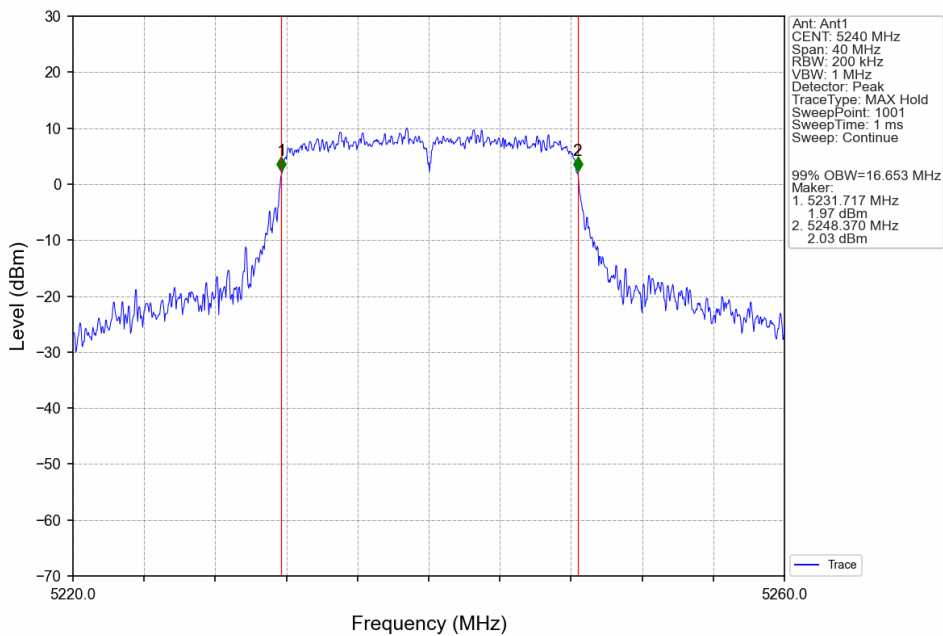
802.11a_LCH_5180MHz_NTNV



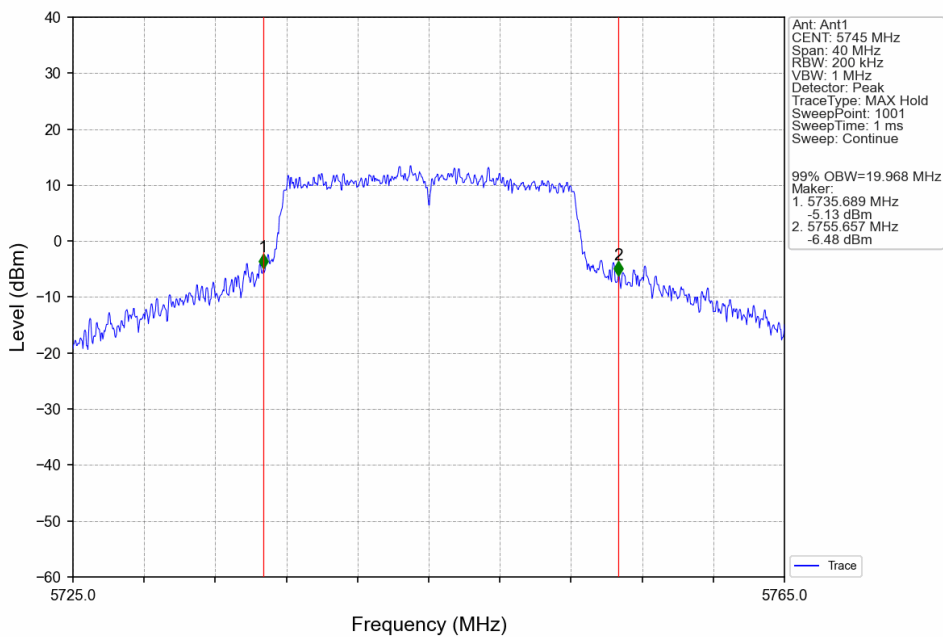
802.11a_MCH_5200MHz_NTNV



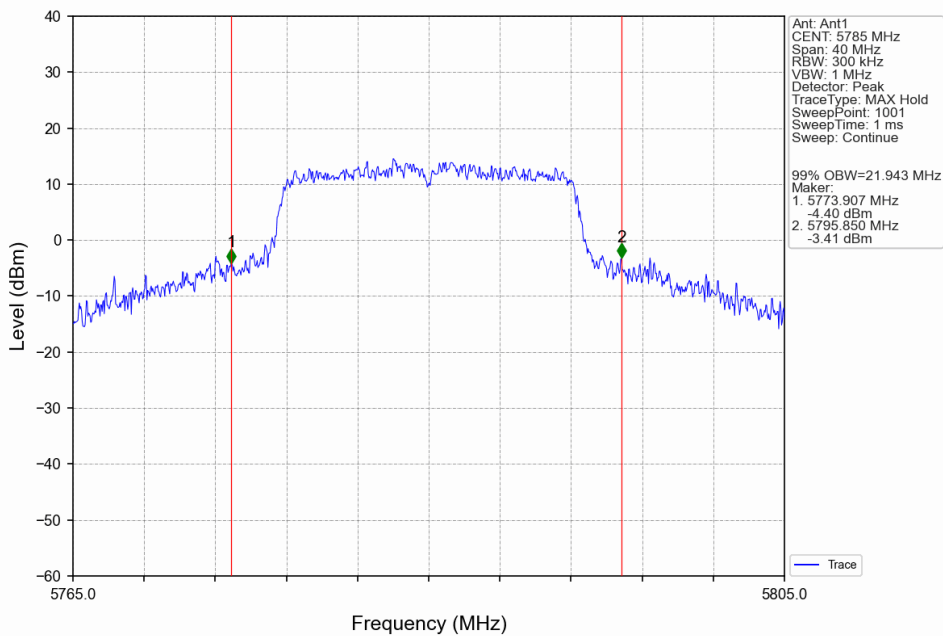
802.11a_HCH_5240MHz_NTNV



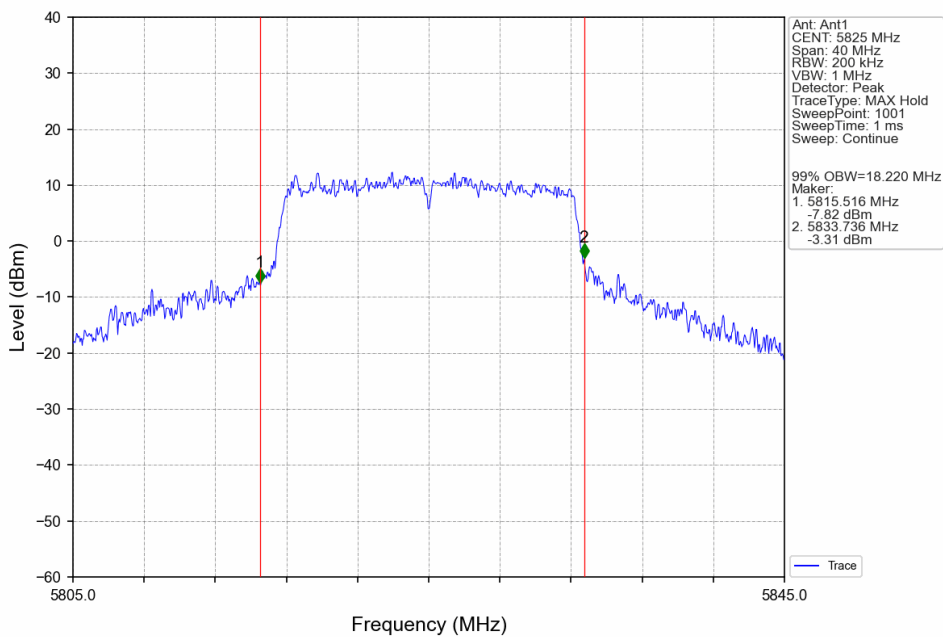
802.11a_LCH_5745MHz_NTNV

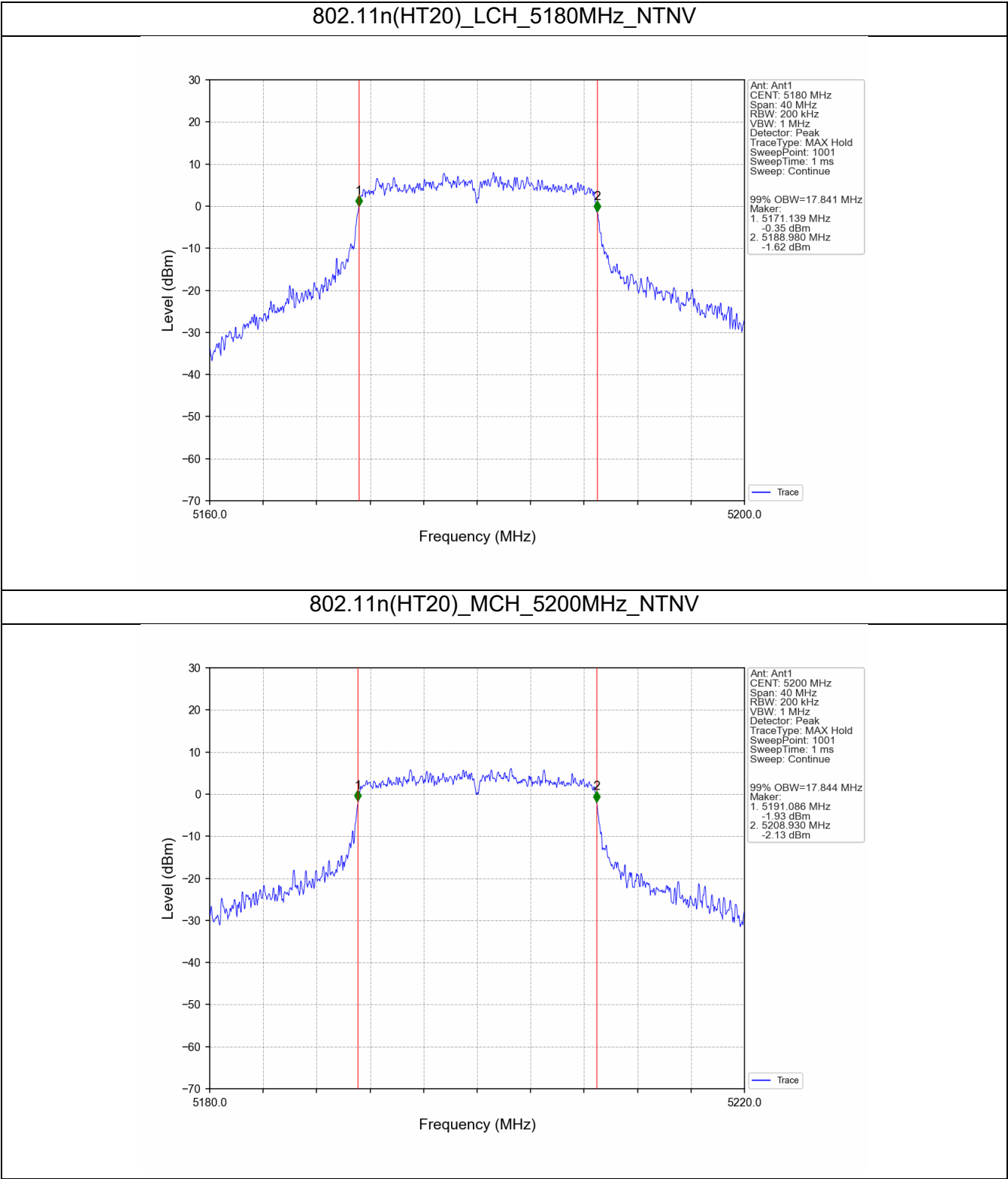


802.11a_MCH_5785MHz_NTNV

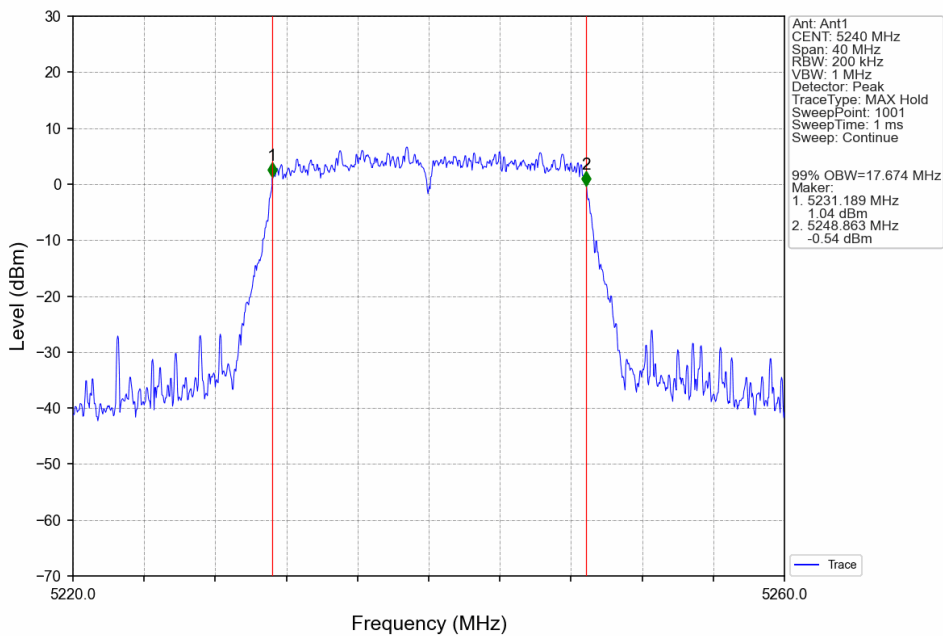


802.11a_HCH_5825MHz_NTNV

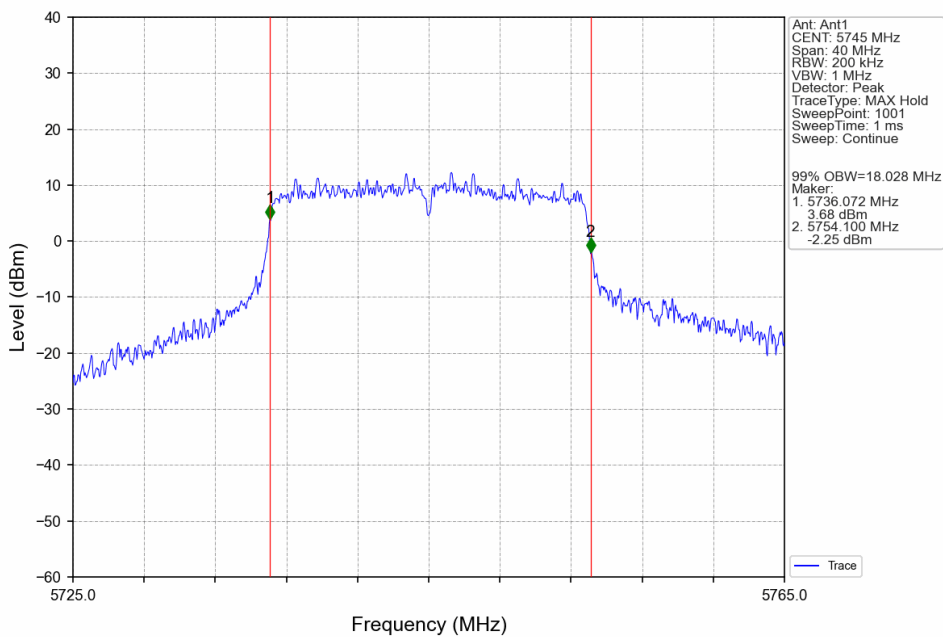




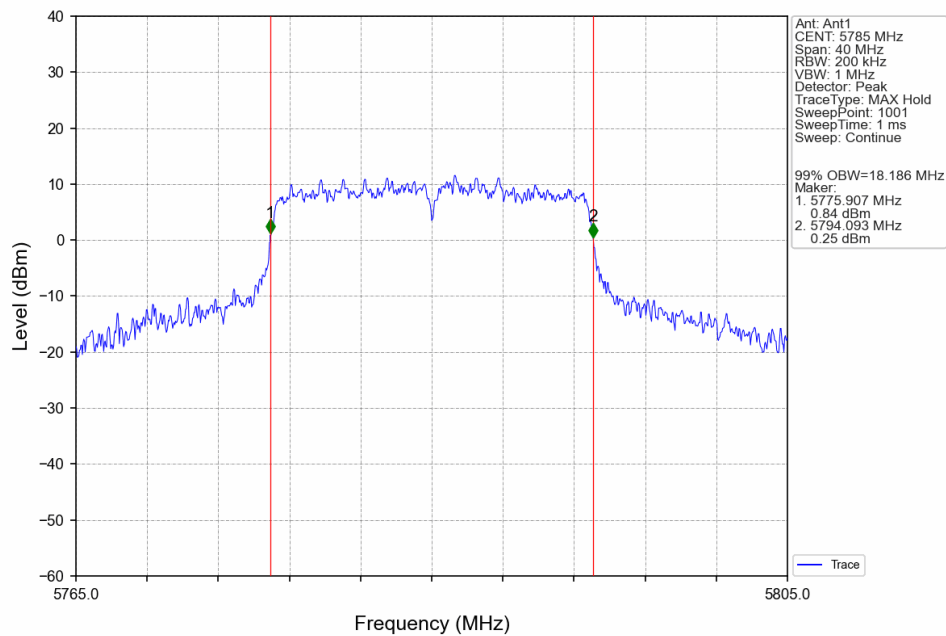
802.11n(HT20)_HCH_5240MHz_NTNV



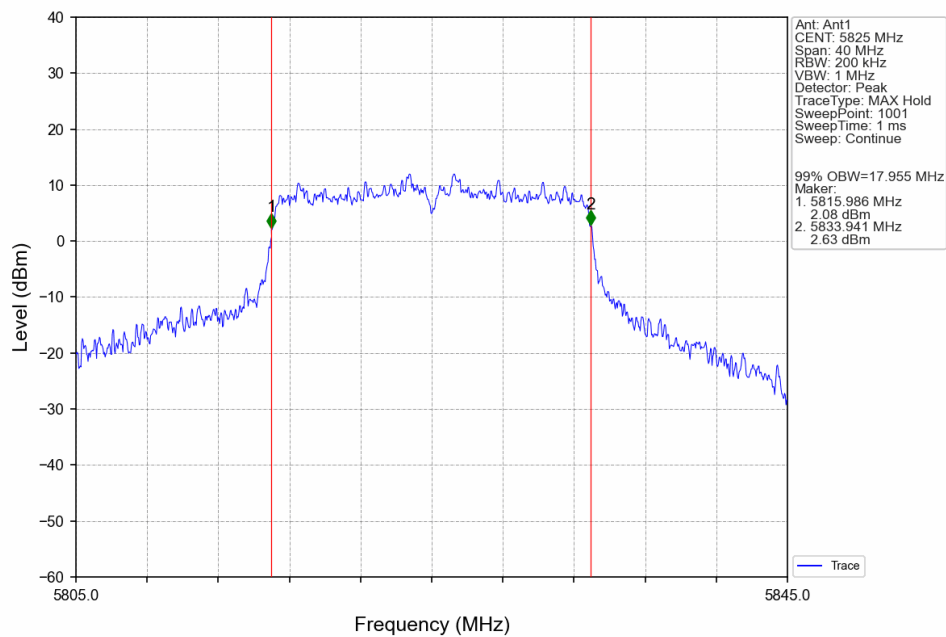
802.11n(HT20)_LCH_5745MHz_NTNV



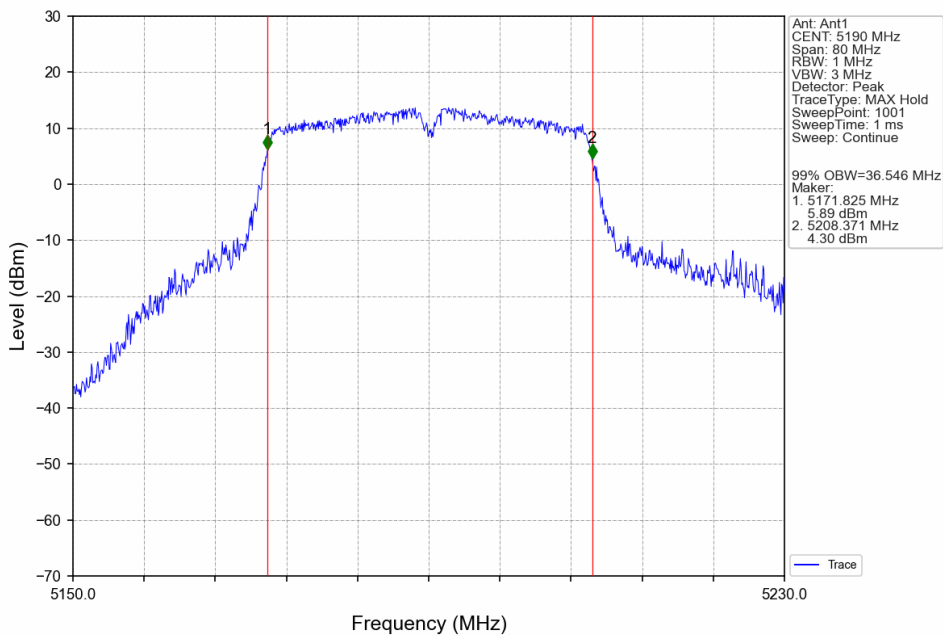
802.11n(HT20)_MCH_5785MHz_NTNV



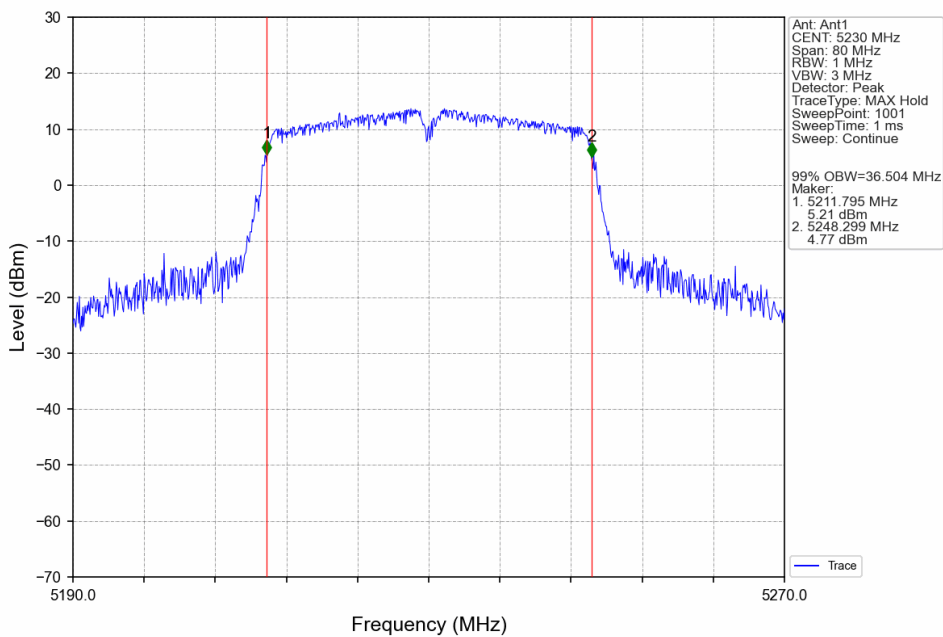
802.11n(HT20)_HCH_5825MHz_NTNV

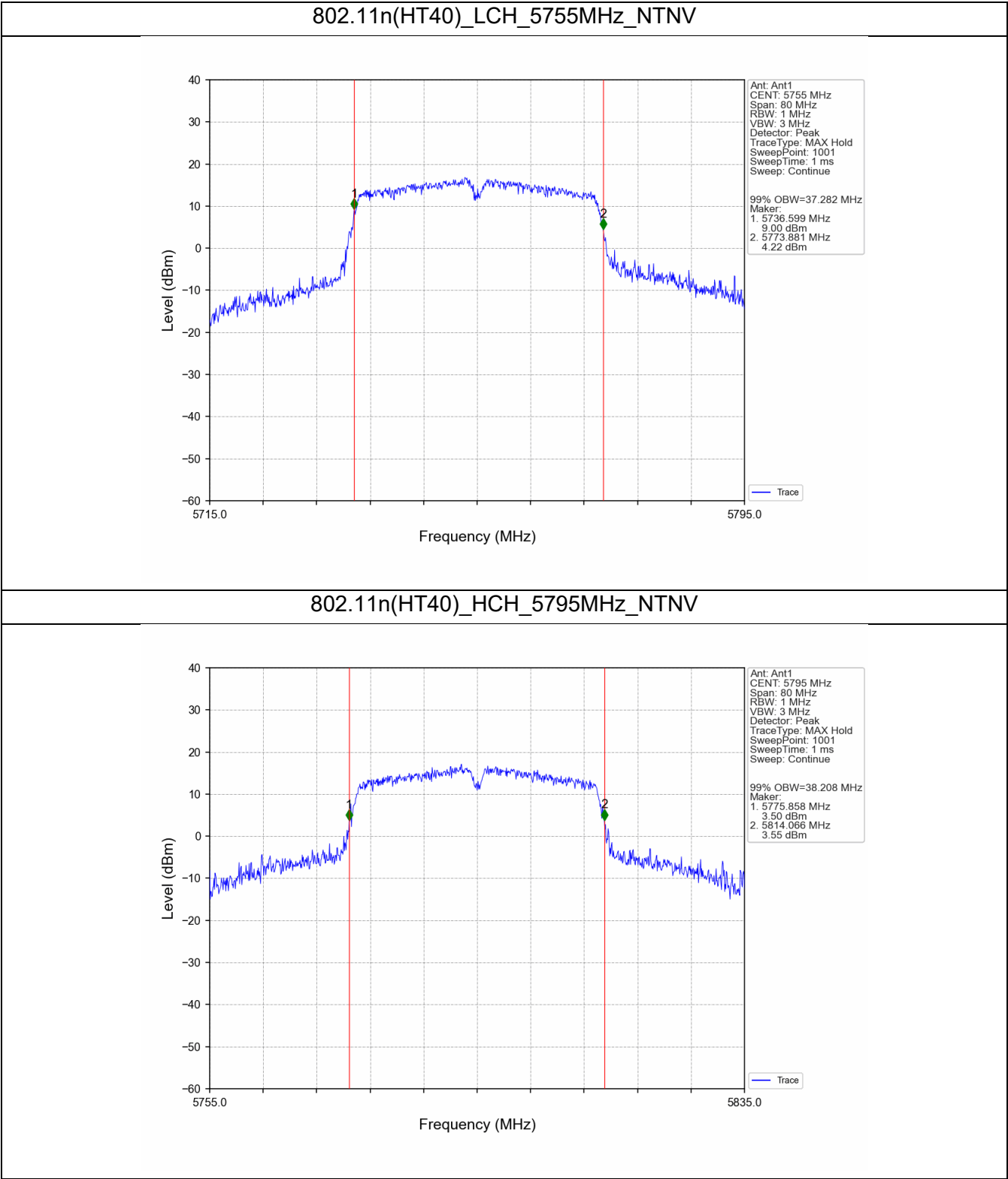


802.11n(HT40)_LCH_5190MHz_NTNV

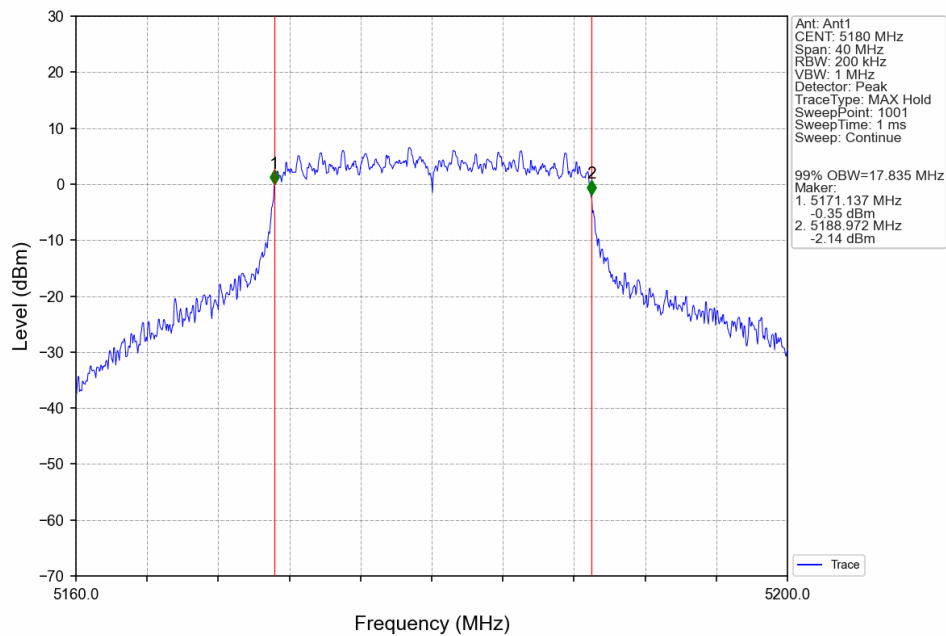


802.11n(HT40)_HCH_5230MHz_NTNV

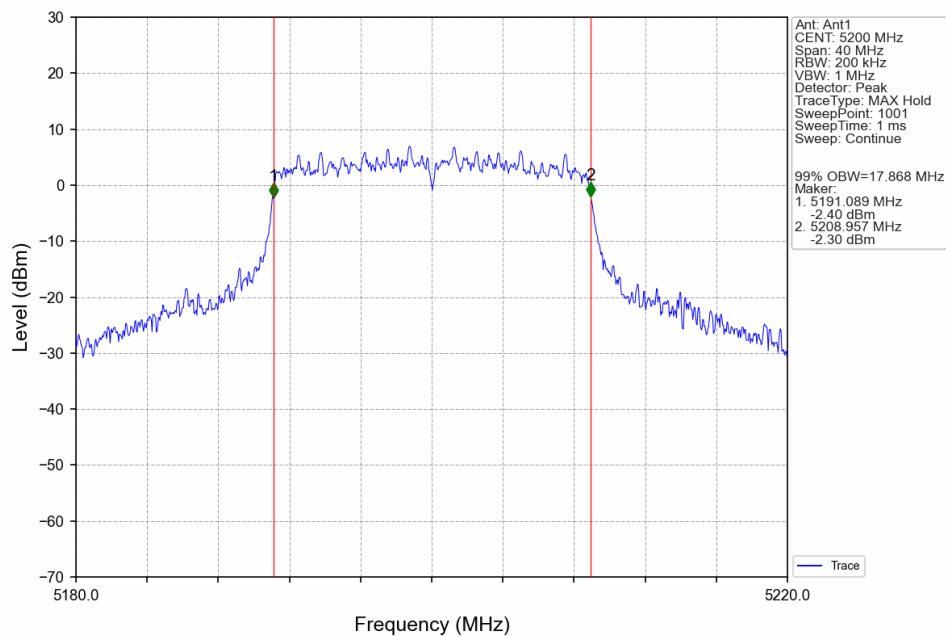




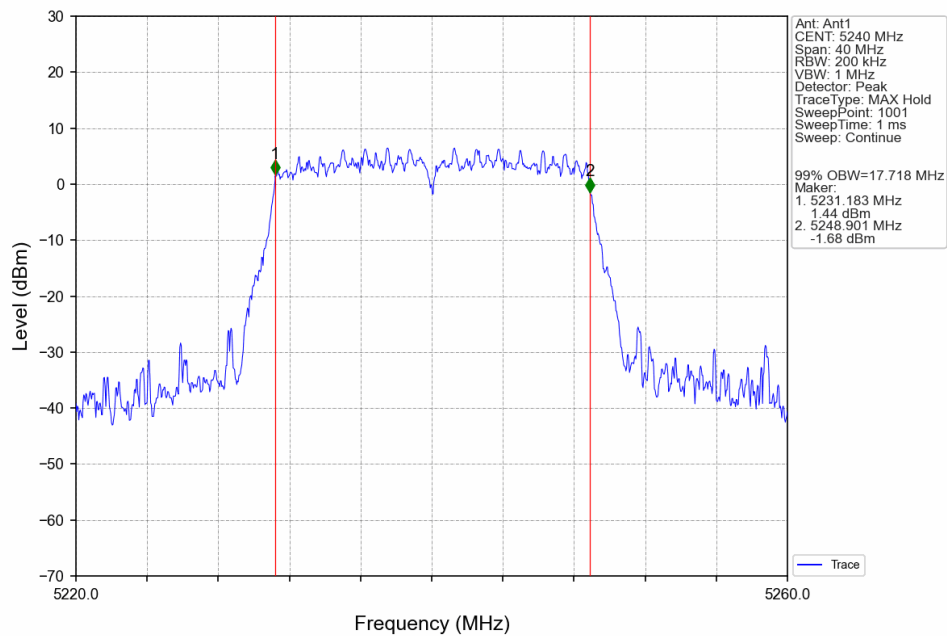
802.11ac(VHT20)_LCH_5180MHz_NTNV



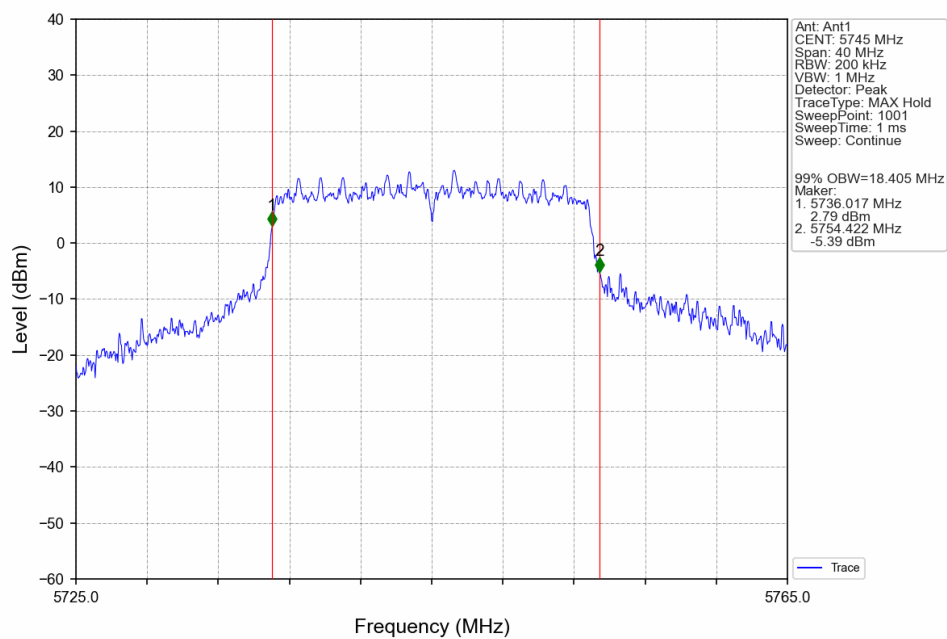
802.11ac(VHT20)_MCH_5200MHz_NTNV



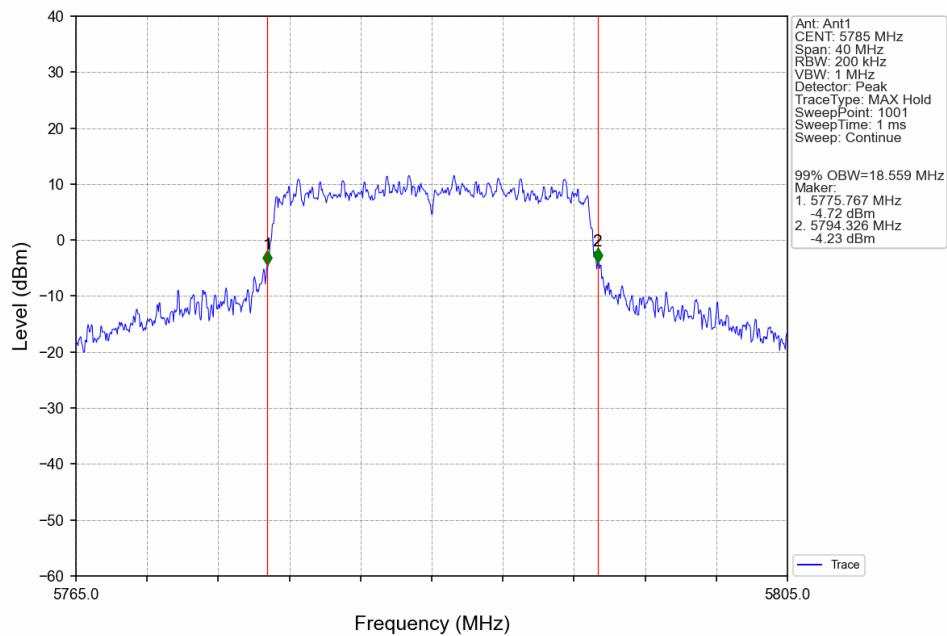
802.11ac(VHT20)_HCH_5240MHz_NTNV



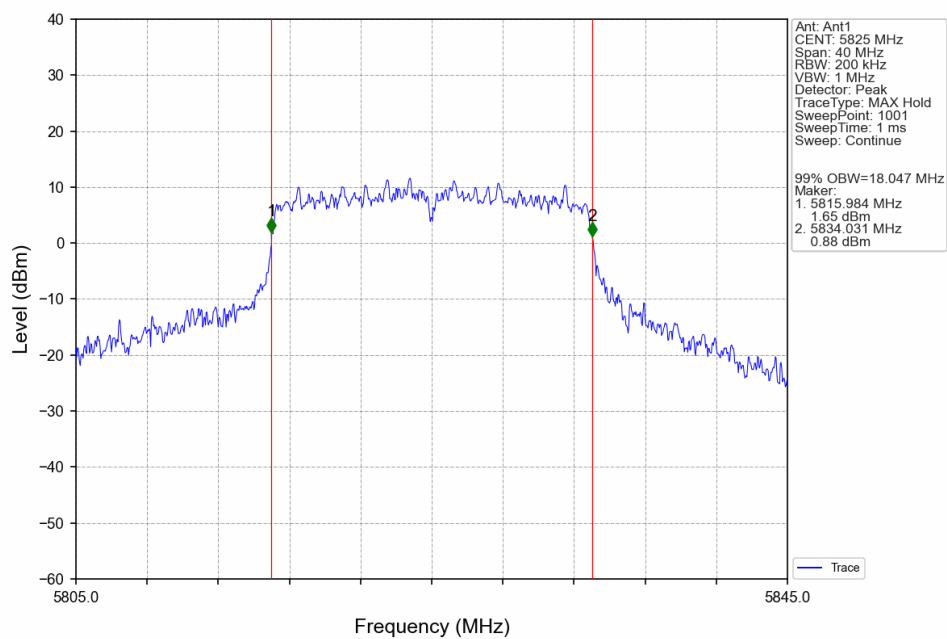
802.11ac(VHT20)_LCH_5745MHz_NTNV



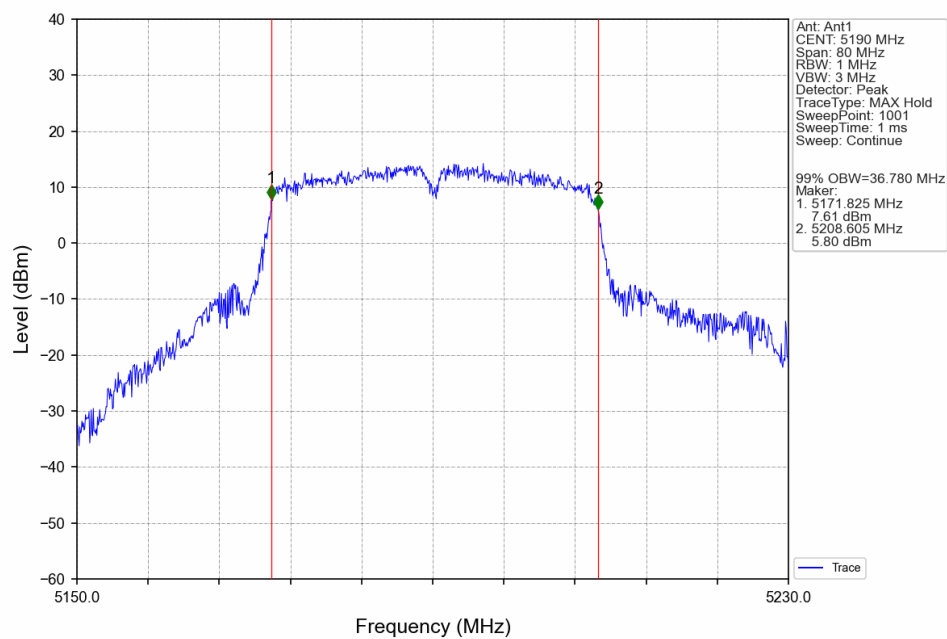
802.11ac(VHT20)_MCH_5785MHz_NTNV



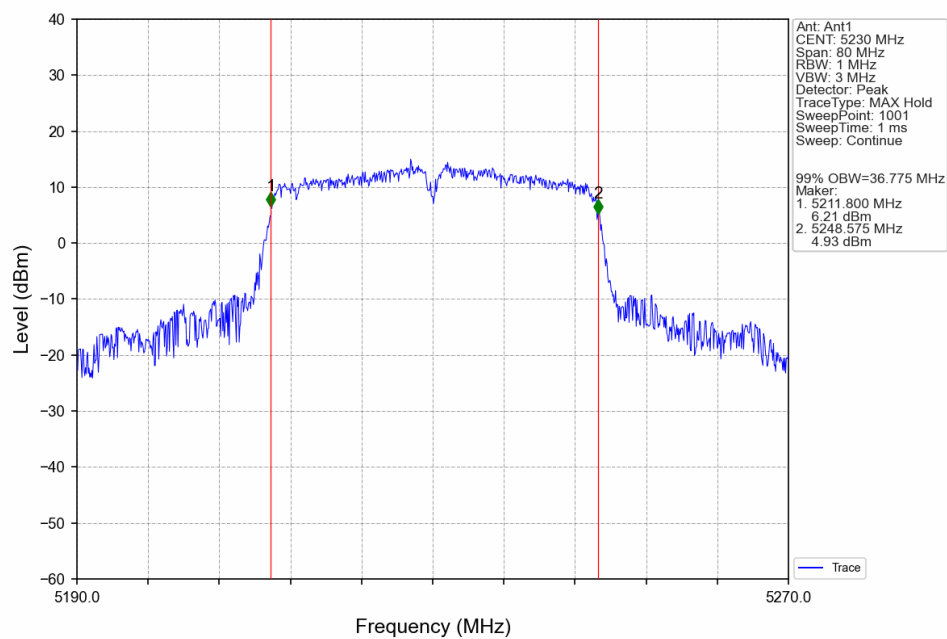
802.11ac(VHT20)_HCH_5825MHz_NTNV



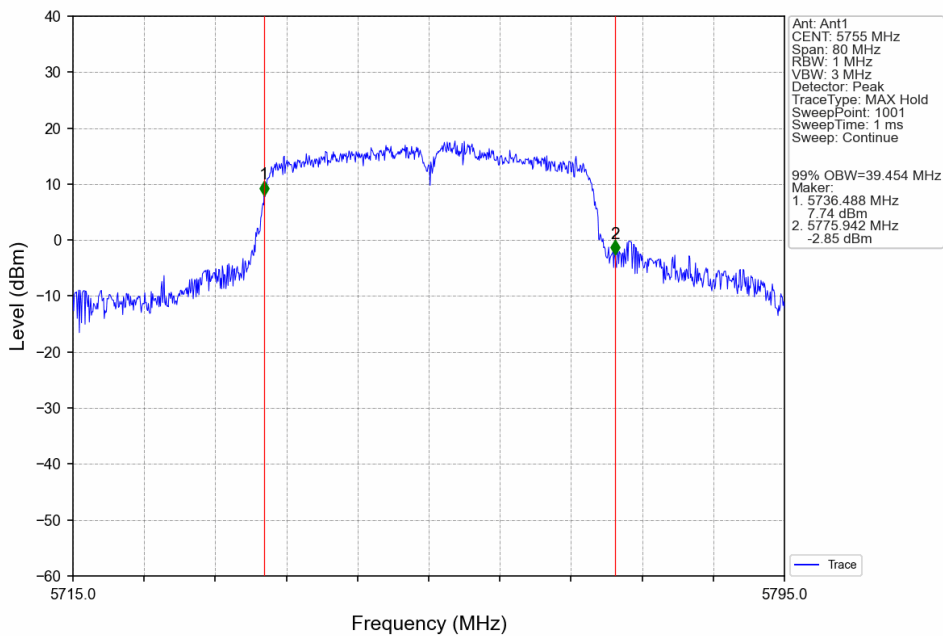
802.11ac(VHT40)_LCH_5190MHz_NTNV



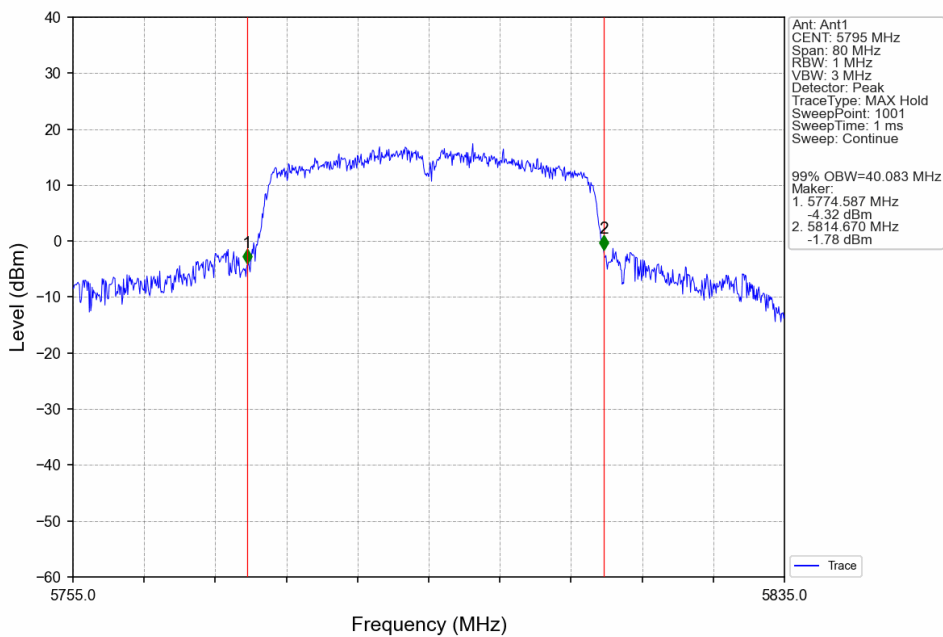
802.11ac(VHT40)_HCH_5230MHz_NTNV



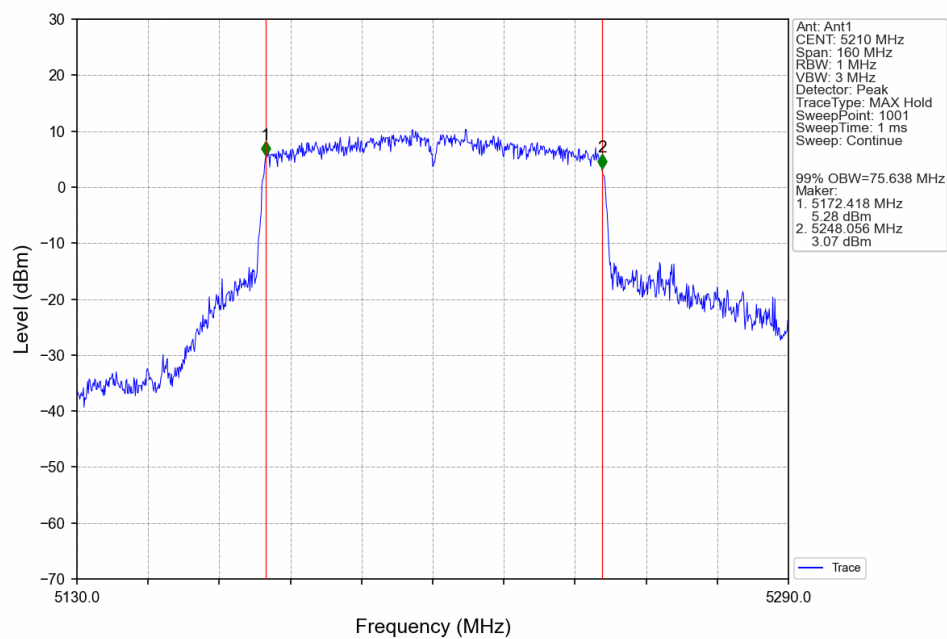
802.11ac(VHT40)_LCH_5755MHz_NTNV



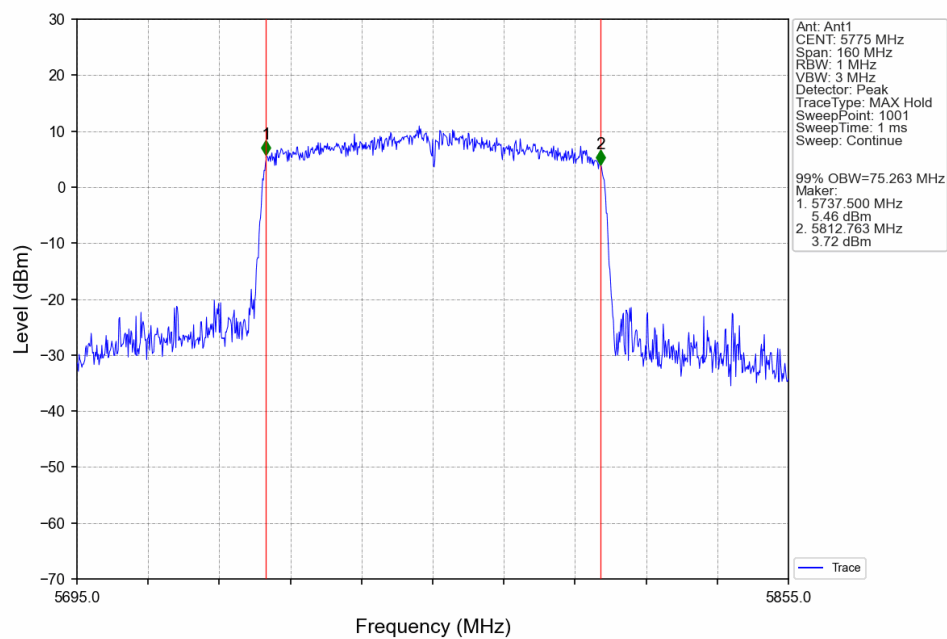
802.11ac(VHT40)_HCH_5795MHz_NTNV



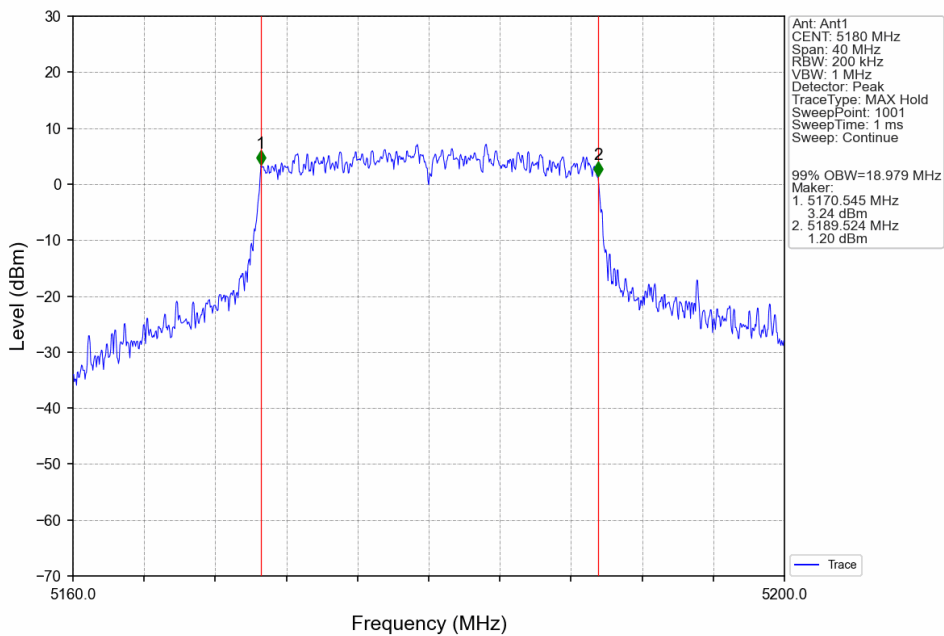
802.11ac(VHT80)_MCH_5210MHz_NTNV



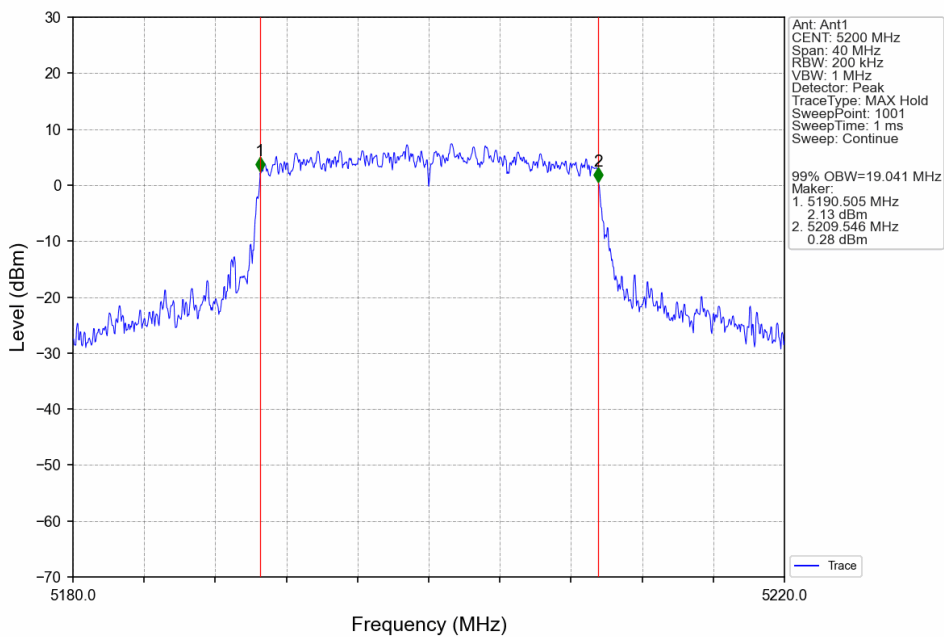
802.11ac(VHT80)_MCH_5775MHz_NTNV

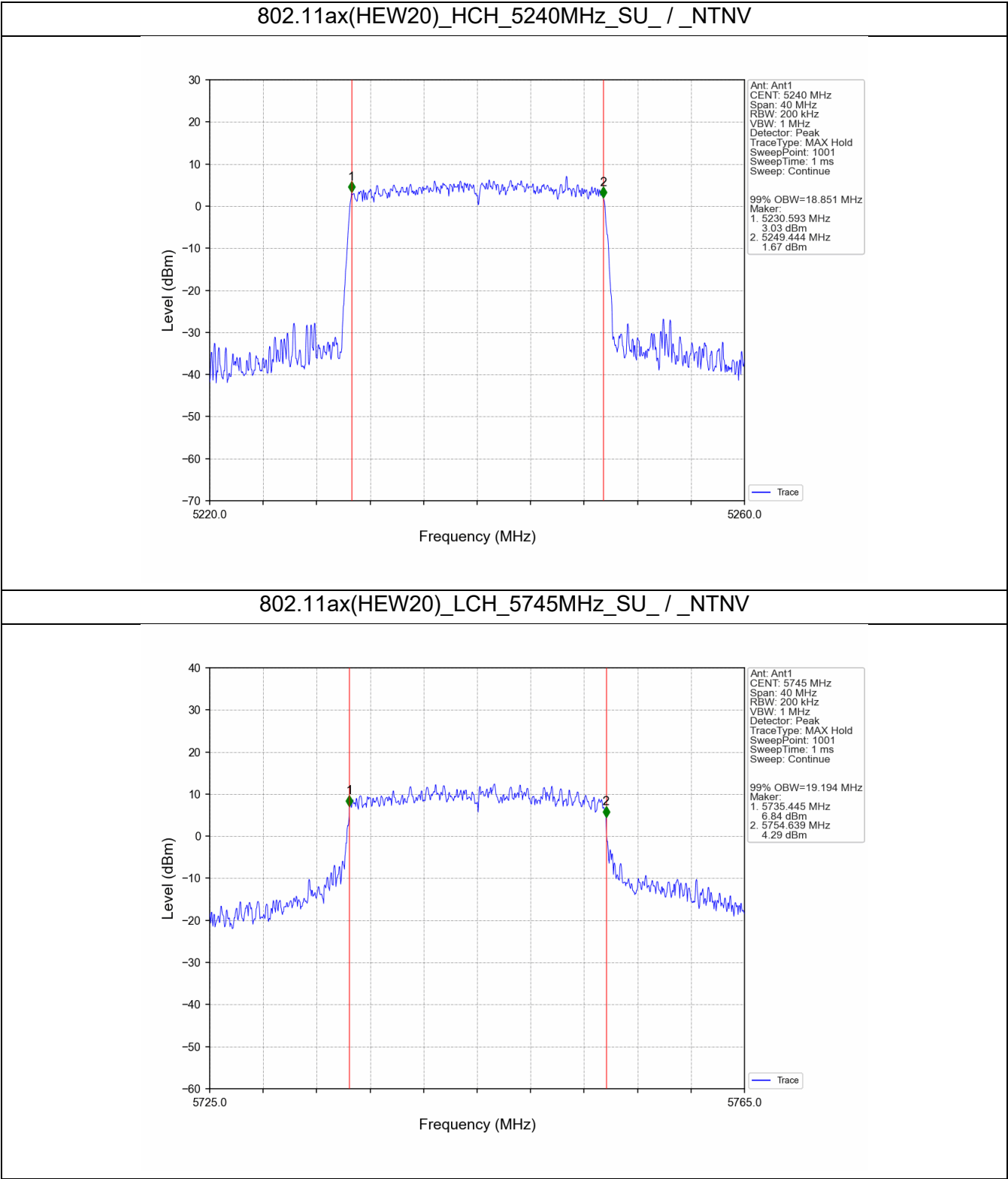


802.11ax(HEW20)_LCH_5180MHz_SU_/_NTNV

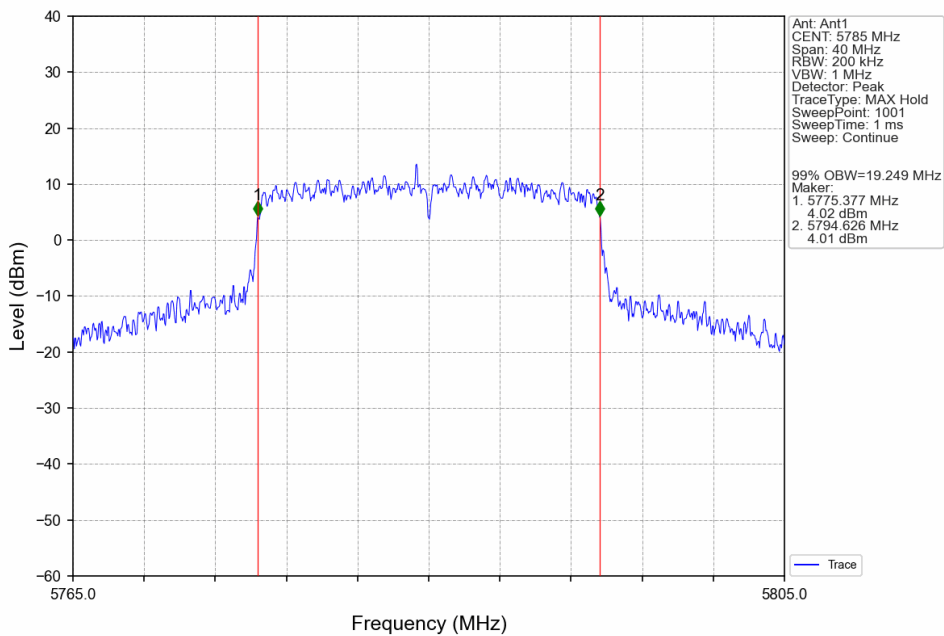


802.11ax(HEW20)_MCH_5200MHz_SU_/_NTNV

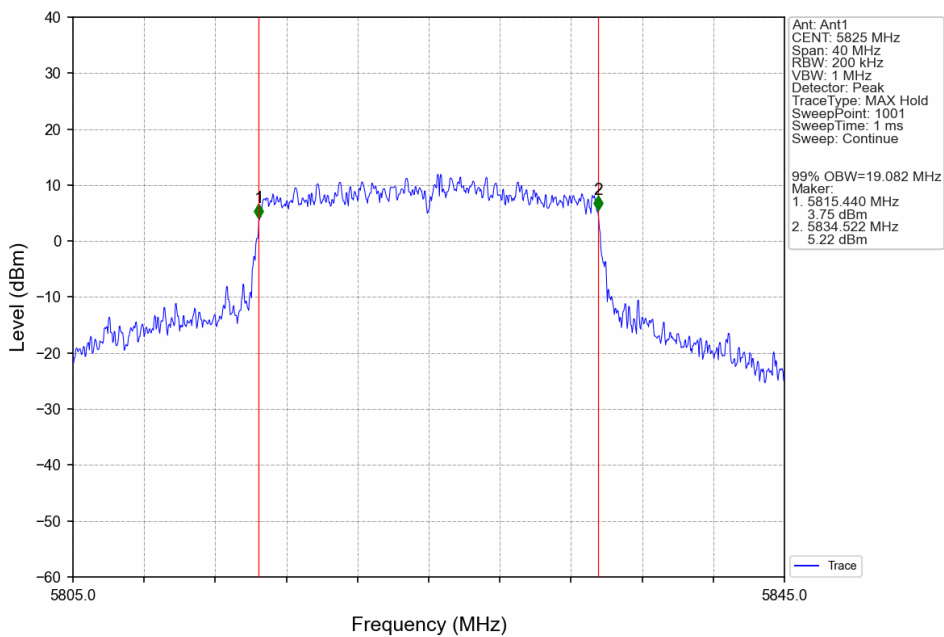


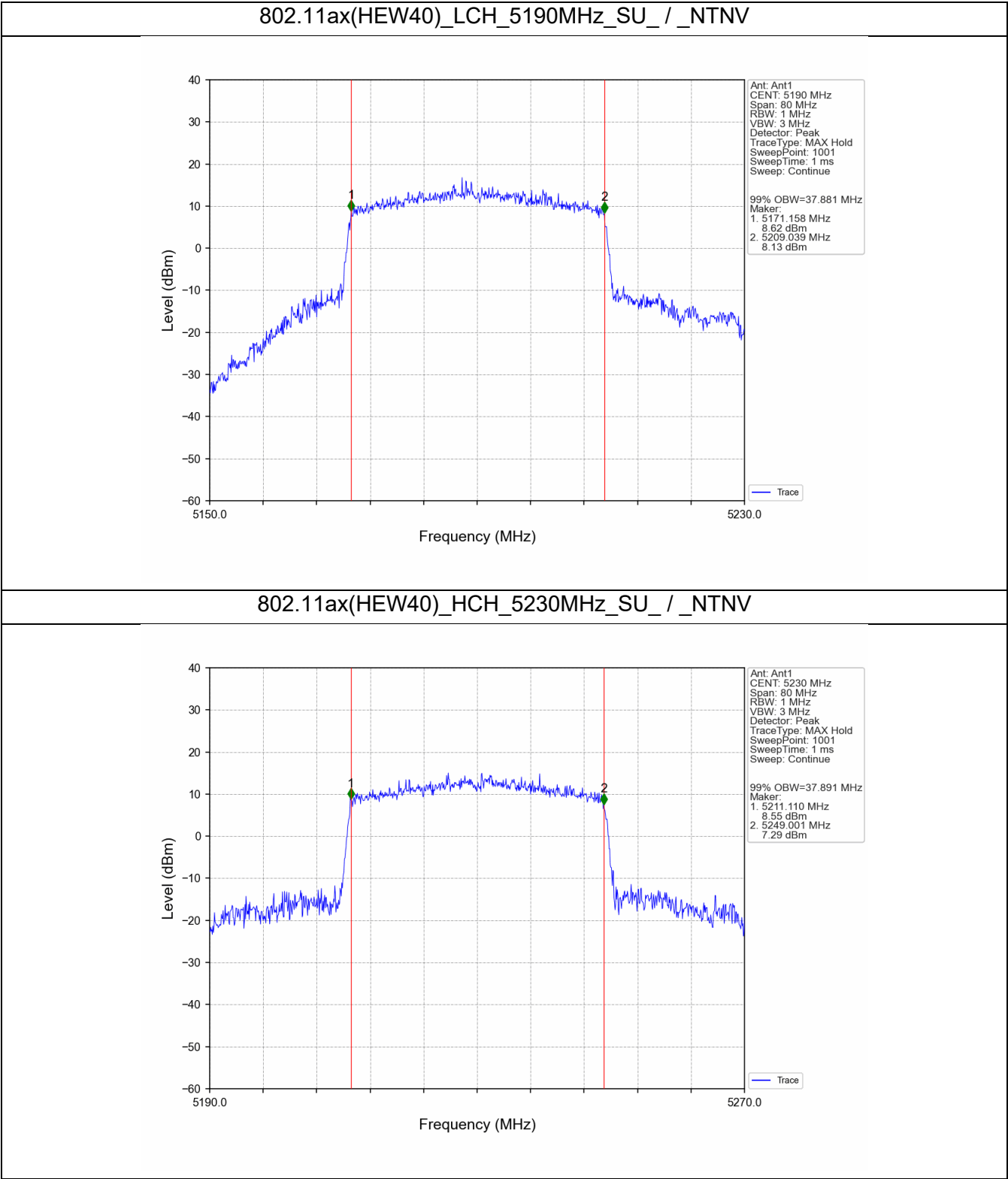


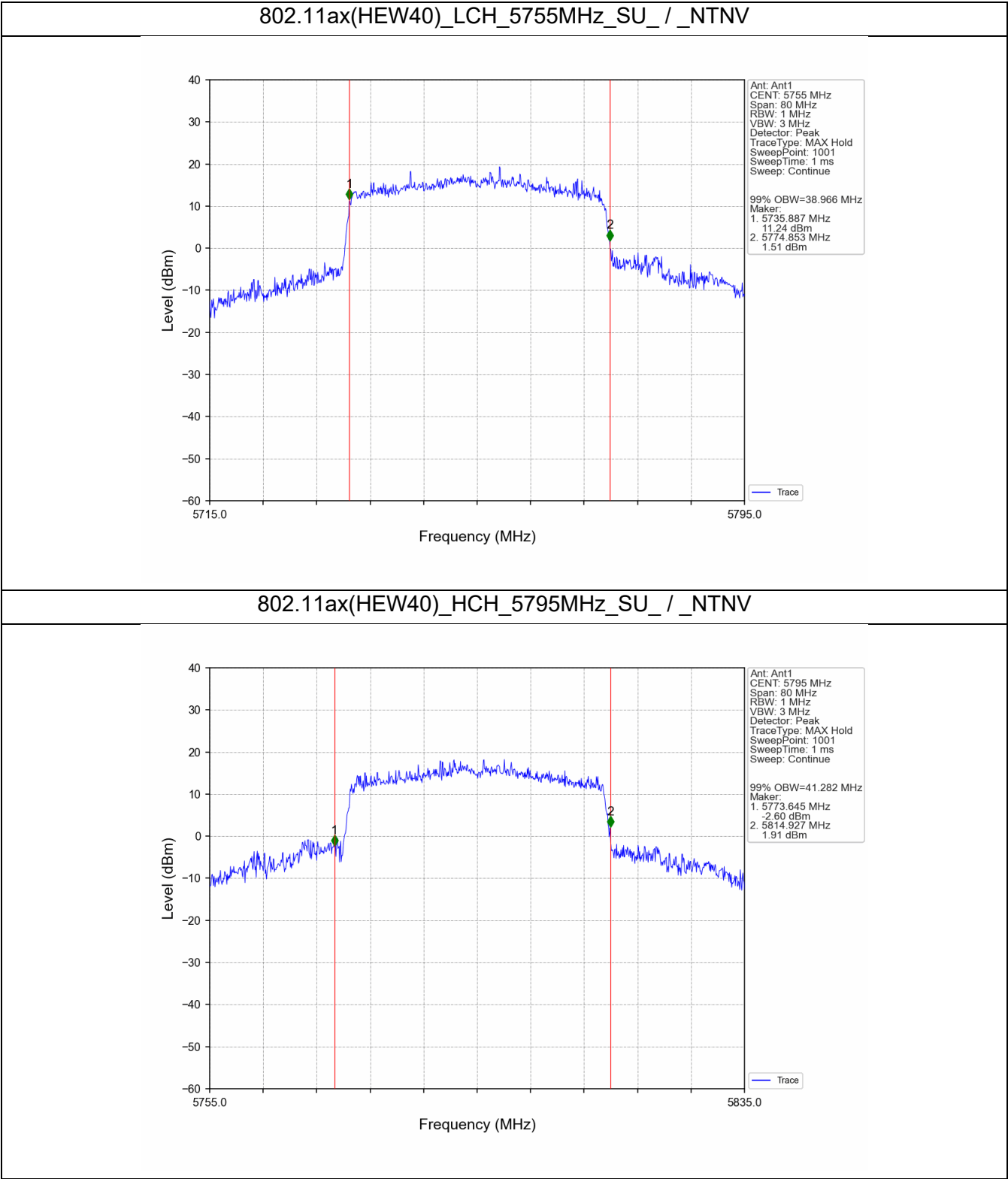
802.11ax(HEW20)_MCH_5785MHz_SU_/_NTNV

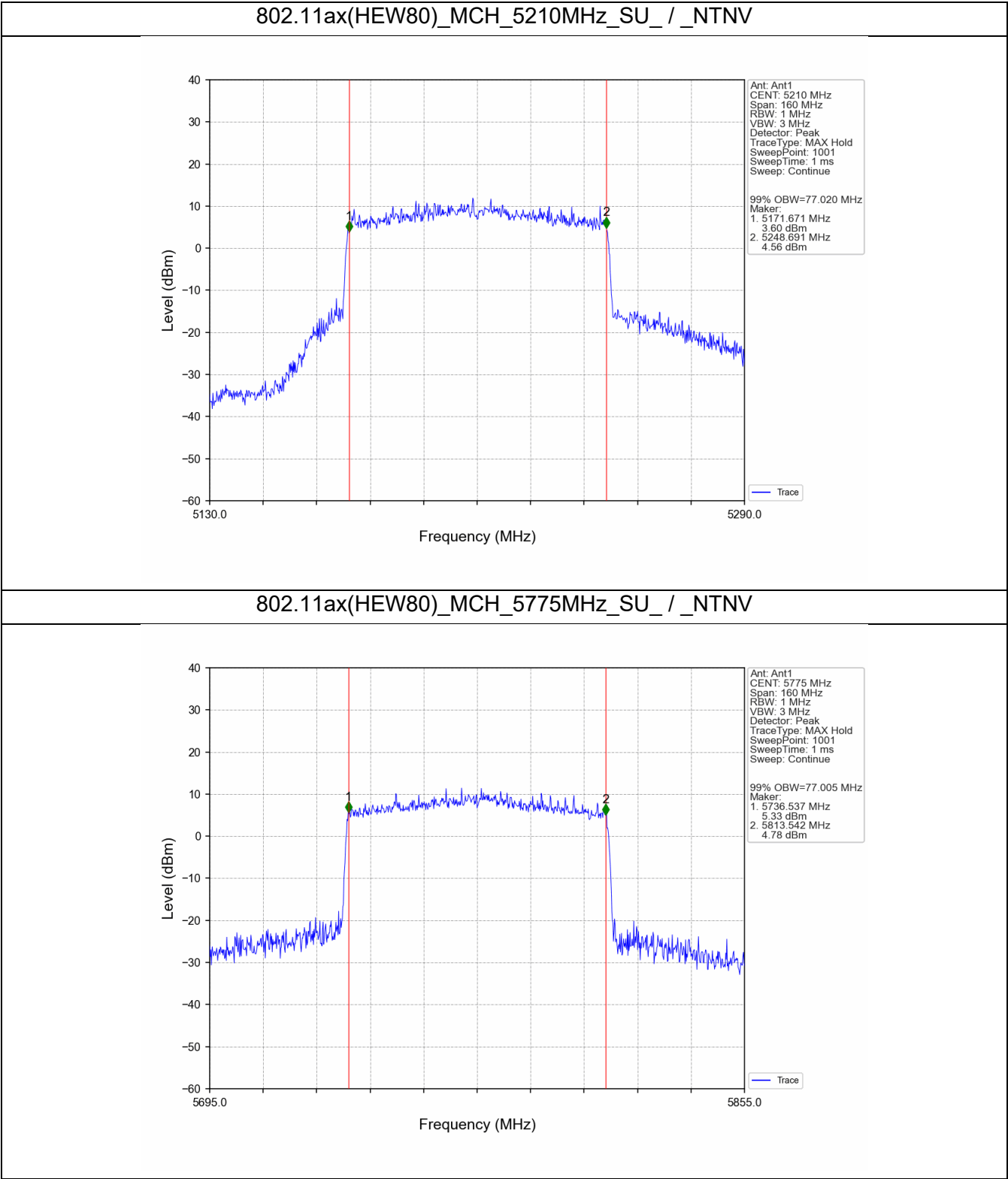


802.11ax(HEW20)_HCH_5825MHz_SU_/_NTNV





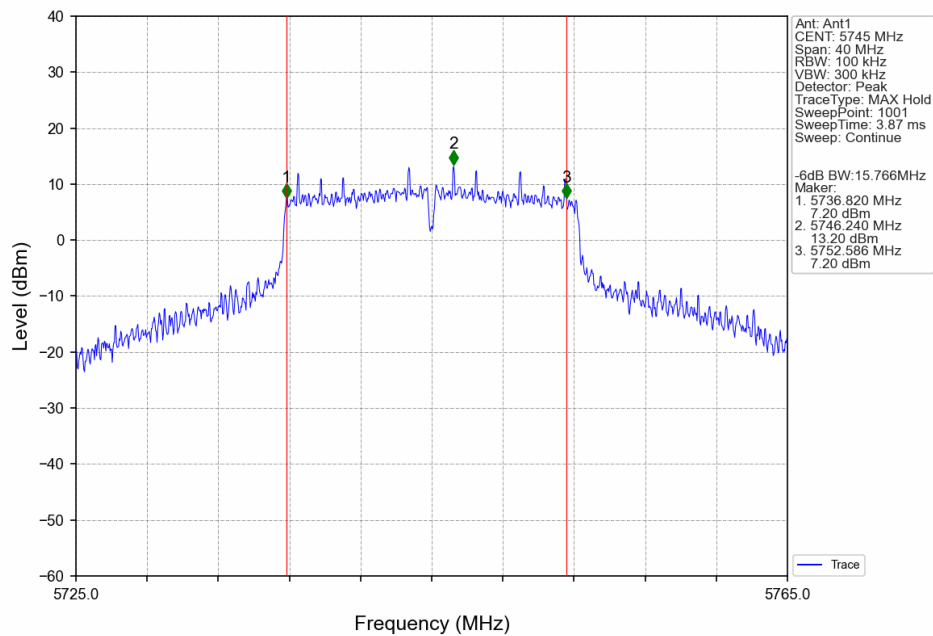




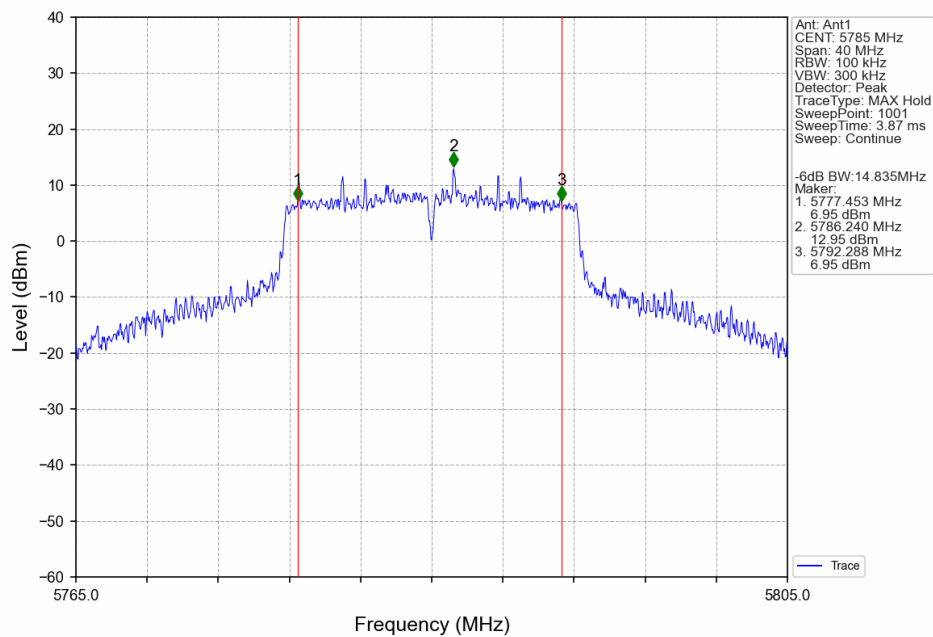
TestMode	Frequency[MHz]	6dB OCB [MHz]	Limit[MHz]	Verdict
11A	5745	15.766	≥0.5	Pass
11A	5785	14.835	≥0.5	Pass
11A	5825	16.030	≥0.5	Pass
11N20	5745	16.980	≥0.5	Pass
11N20	5785	16.422	≥0.5	Pass
11N20	5825	17.582	≥0.5	Pass
11N40	5755	35.118	≥0.5	Pass
11N40	5795	35.084	≥0.5	Pass
11AC20	5745	17.580	≥0.5	Pass
11AC20	5785	17.578	≥0.5	Pass
11AC20	5825	17.583	≥0.5	Pass
11AC40	5755	35.125	≥0.5	Pass
11AC40	5795	35.117	≥0.5	Pass
11AC80	5775	75.147	≥0.5	Pass
11AX20	5745	18.148	≥0.5	Pass
11AX20	5785	17.791	≥0.5	Pass
11AX20	5825	17.836	≥0.5	Pass
11AX40	5755	36.353	≥0.5	Pass
11AX40	5795	35.129	≥0.5	Pass
11AX80	5775	75.153	≥0.5	Pass

Note: We have evaluated each antenna, only worst data shown in report.

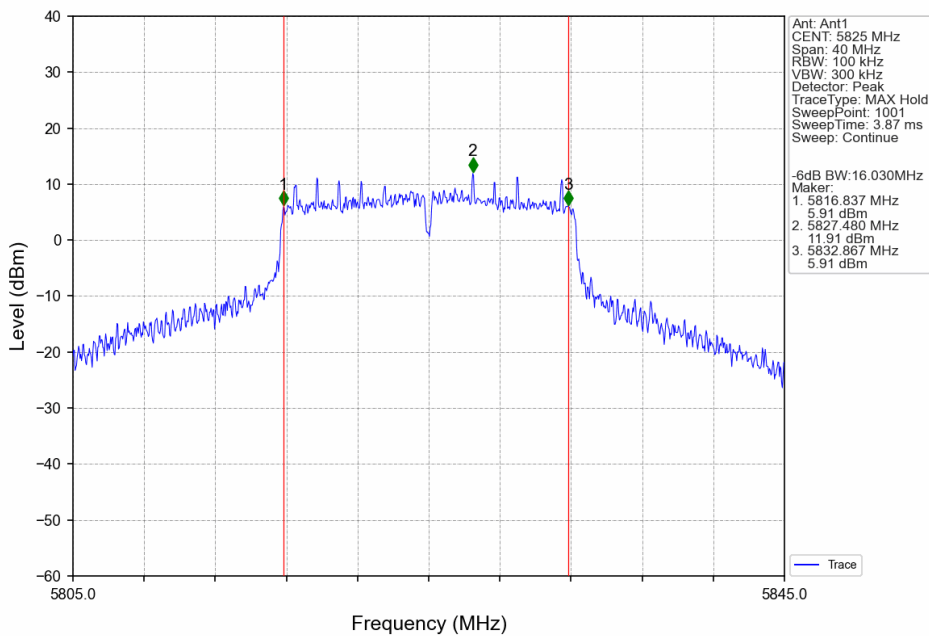
802.11a_LCH_5745MHz_NTNV



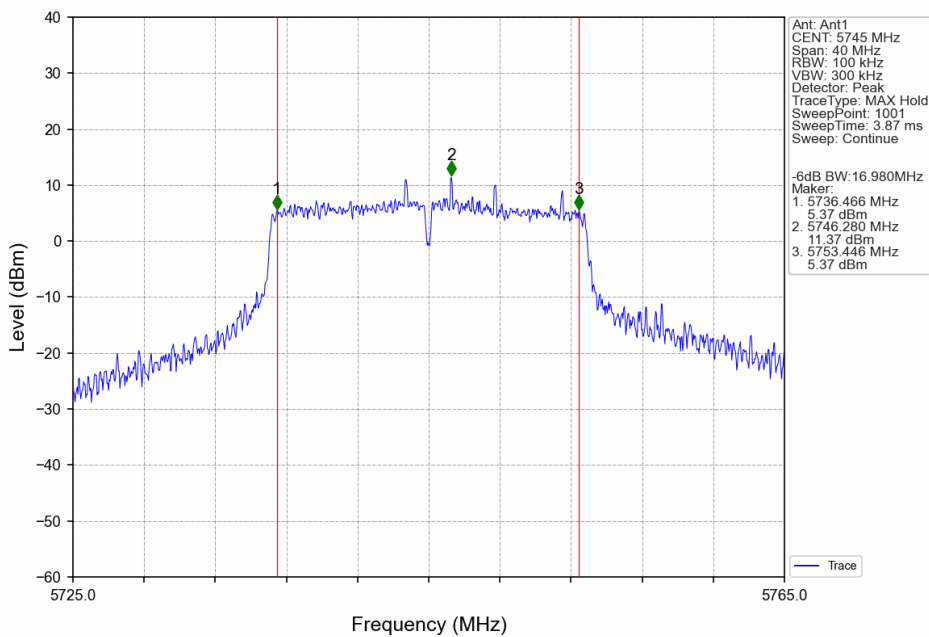
802.11a_MCH_5785MHz_NTNV



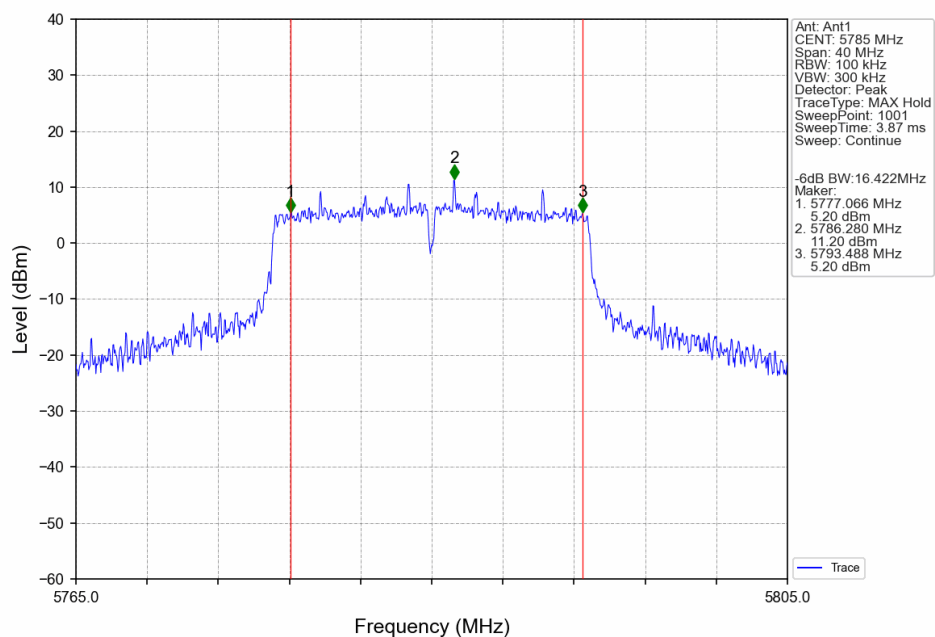
802.11a_HCH_5825MHz_NTNV



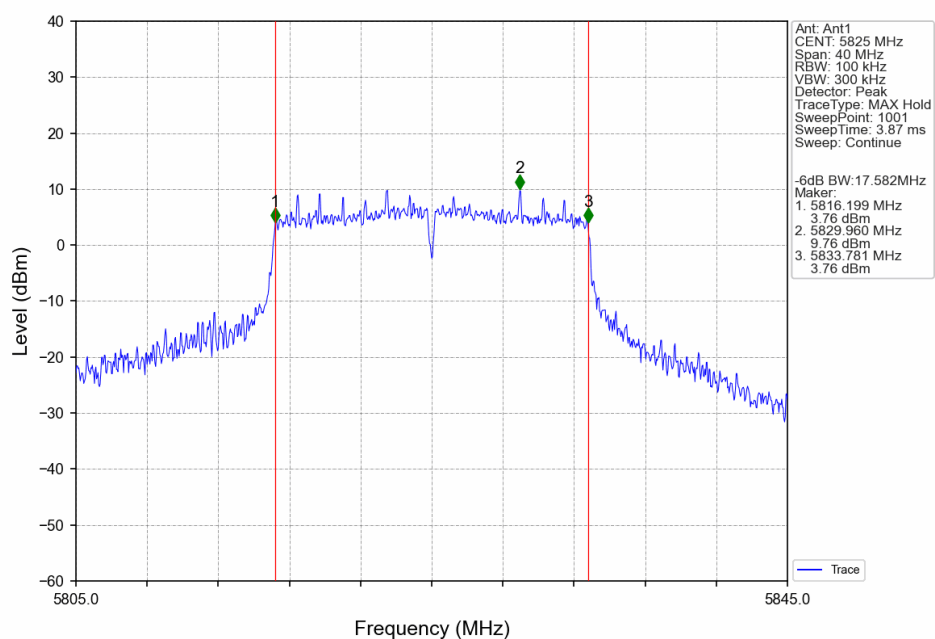
802.11n(HT20)_LCH_5745MHz_NTNV



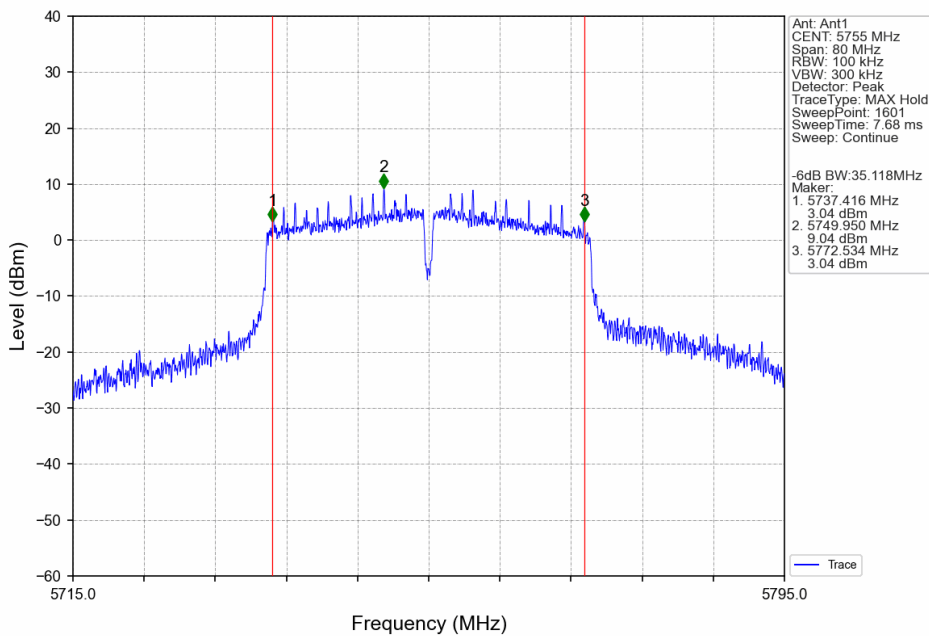
802.11n(HT20)_MCH_5785MHz_NTNV



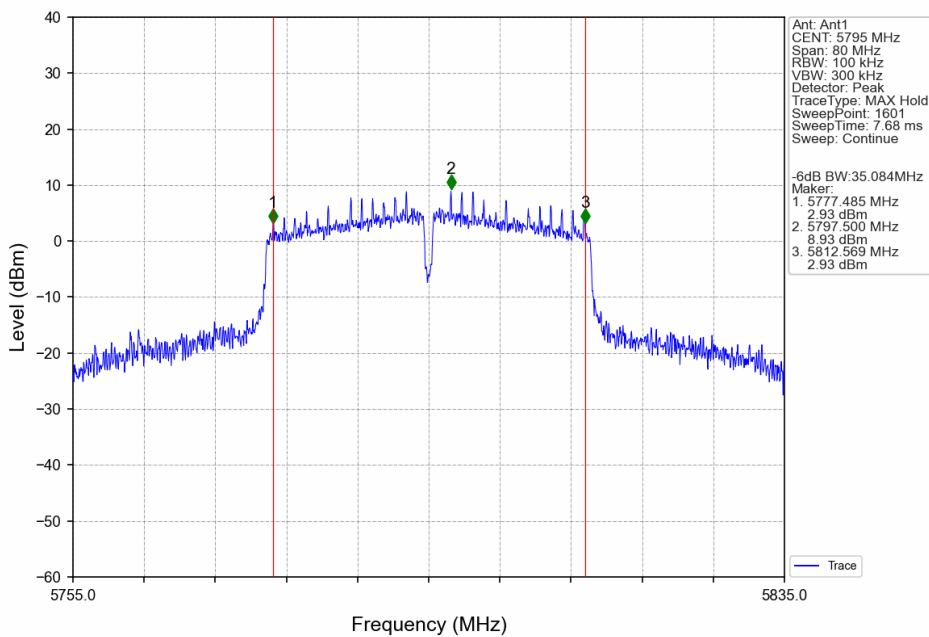
802.11n(HT20)_HCH_5825MHz_NTNV



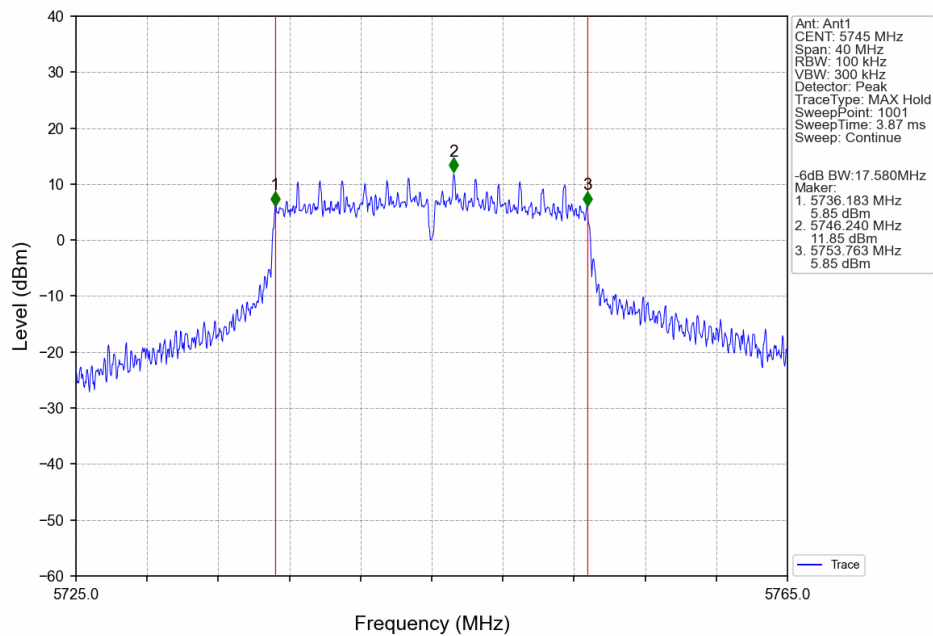
802.11n(HT40)_LCH_5755MHz_NTNV



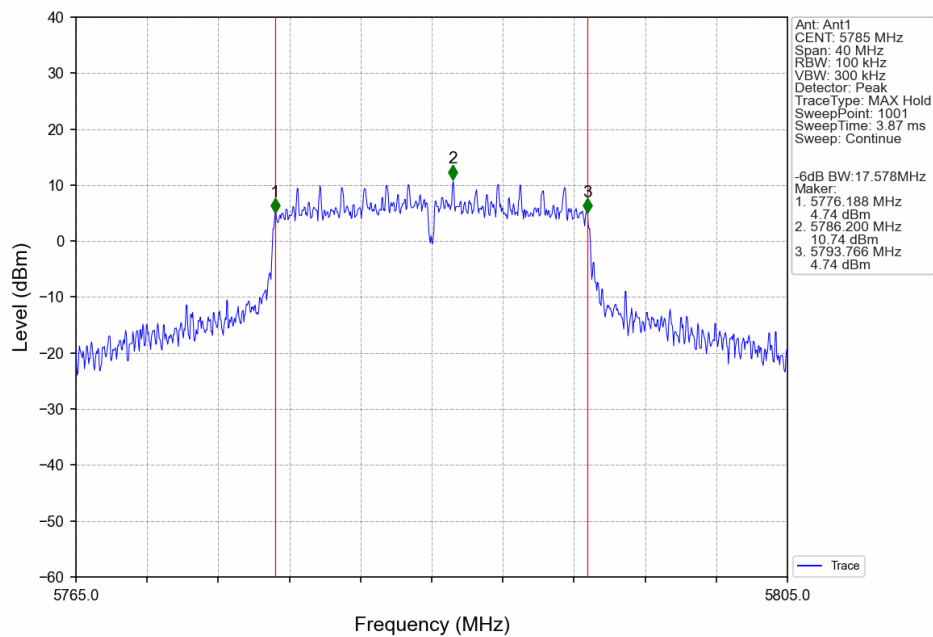
802.11n(HT40)_HCH_5795MHz_NTNV



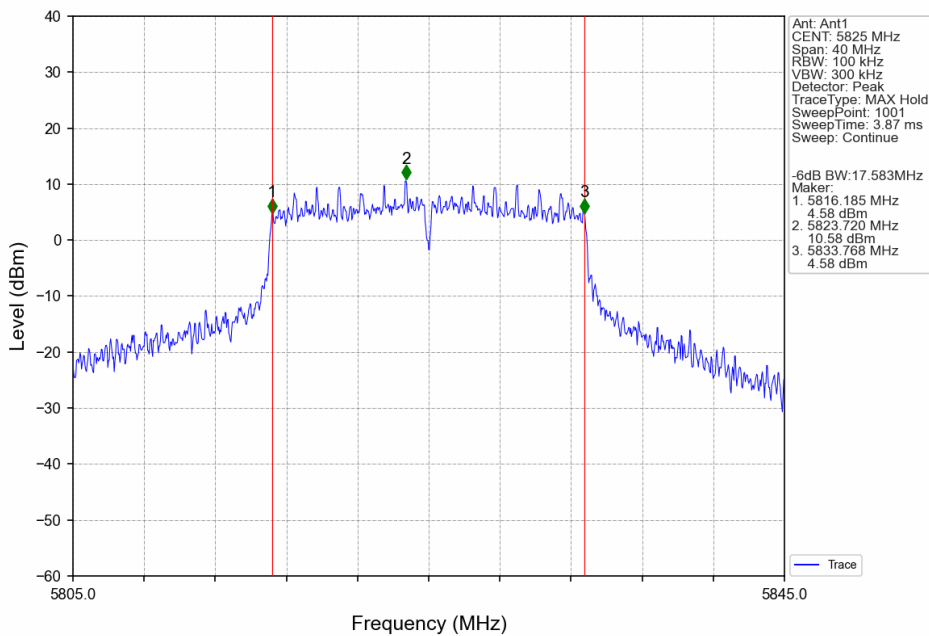
802.11ac(VHT20)_LCH_5745MHz_NTNV



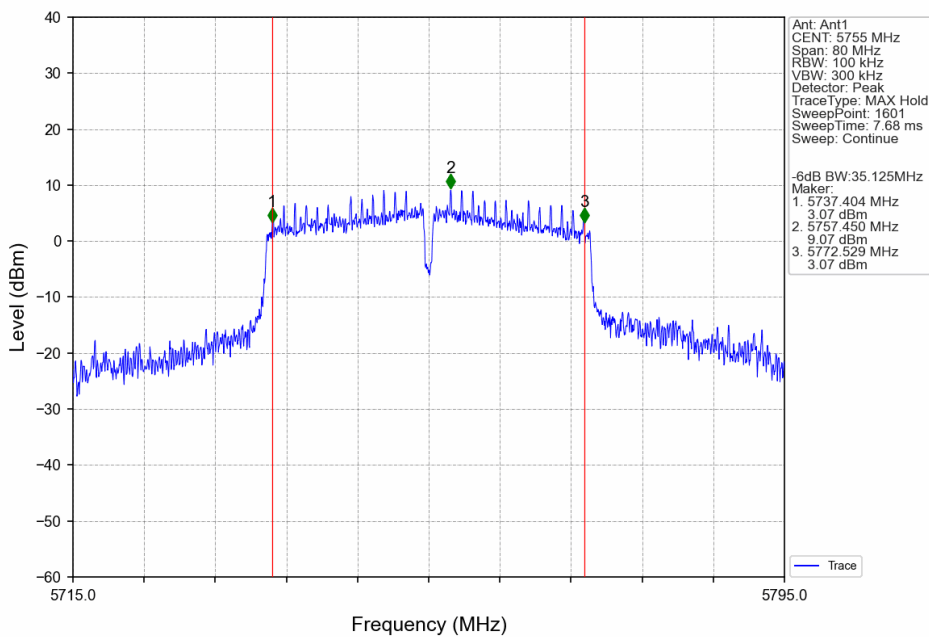
802.11ac(VHT20)_MCH_5785MHz_NTNV



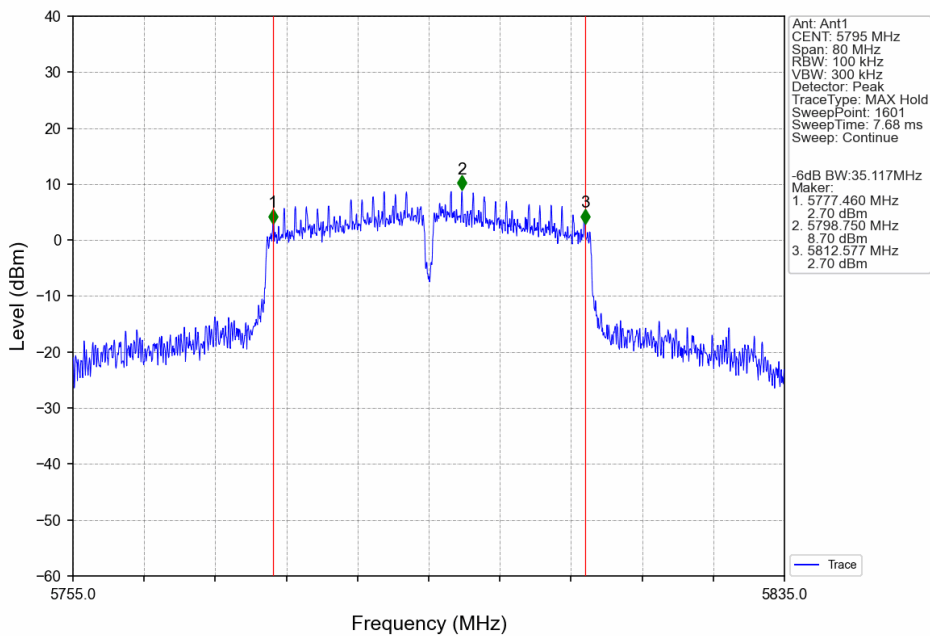
802.11ac(VHT20)_HCH_5825MHz_NTNV



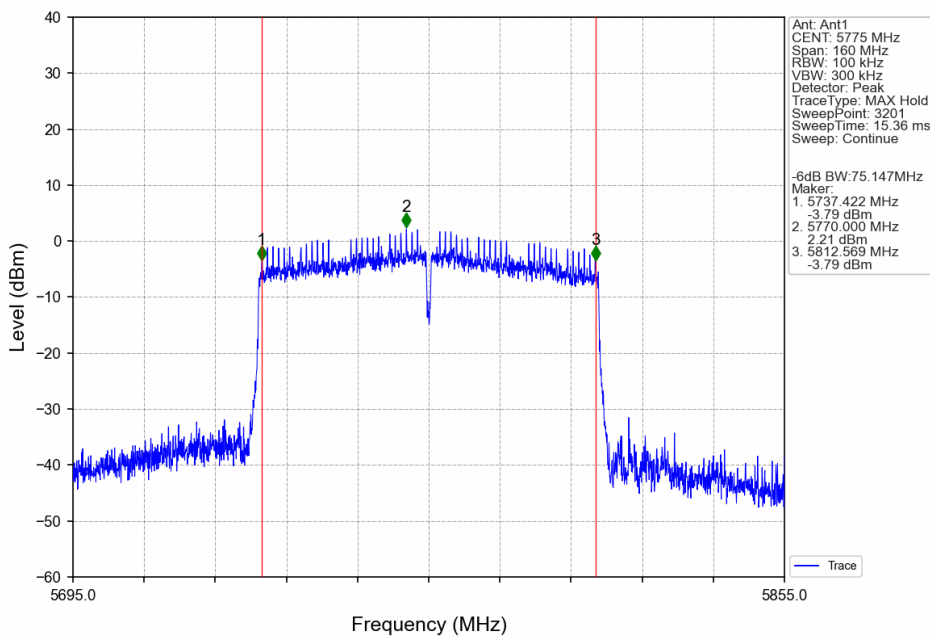
802.11ac(VHT40)_LCH_5755MHz_NTNV



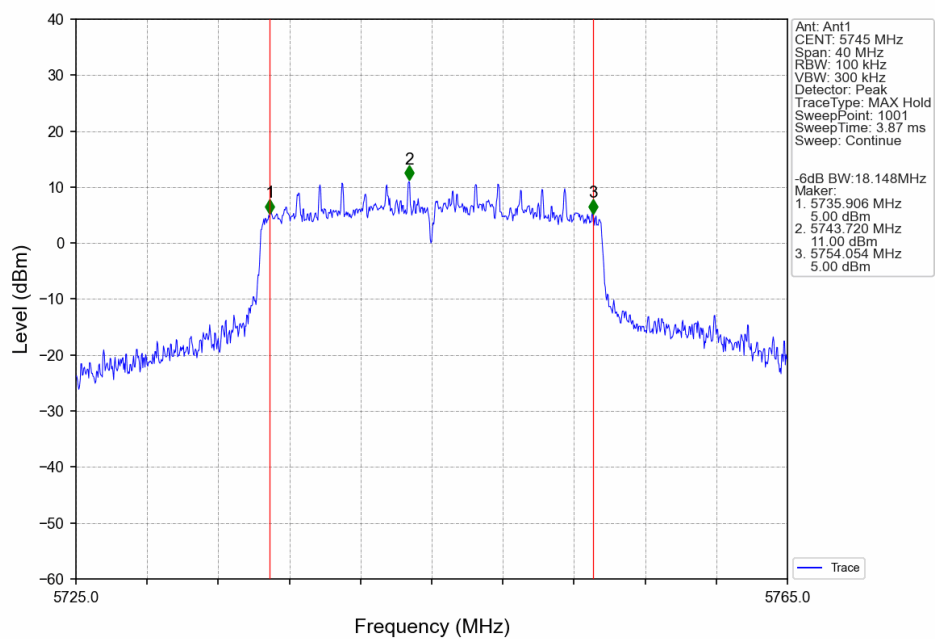
802.11ac(VHT40)_HCH_5795MHz_NTNV



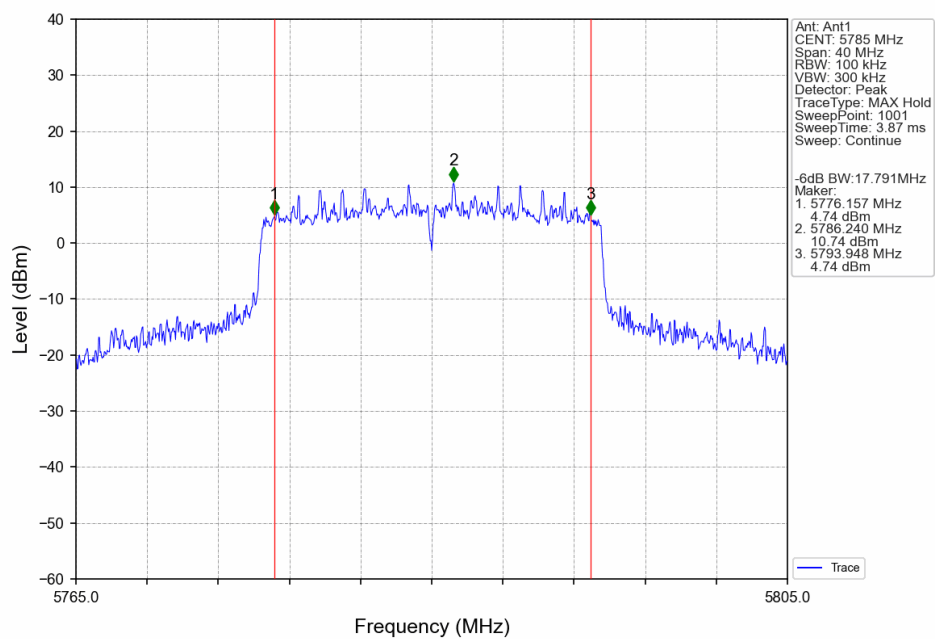
802.11ac(VHT80)_MCH_5775MHz_NTNV



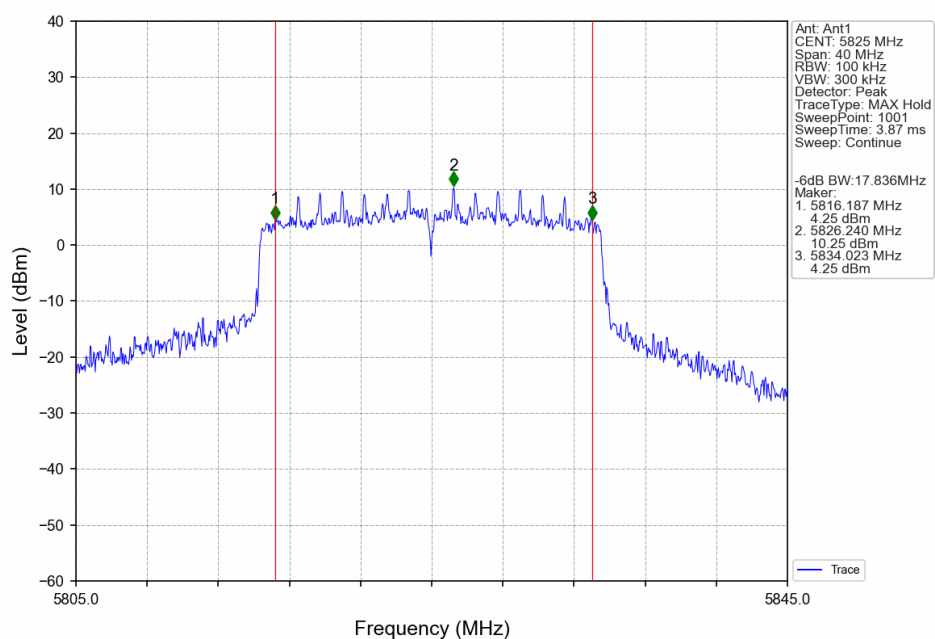
802.11ax(HEW20)_LCH_5745MHz_SU_/_NTNV



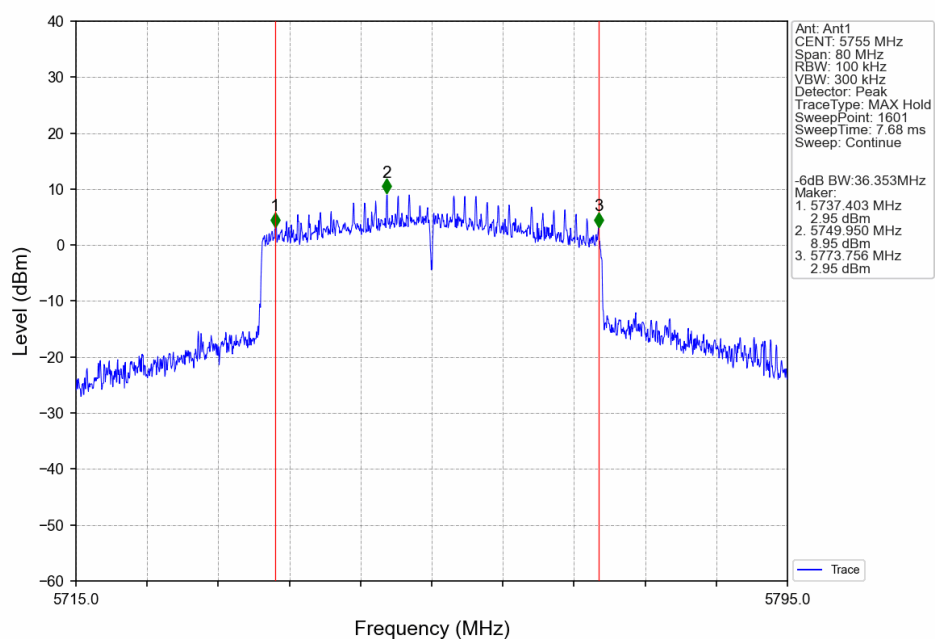
802.11ax(HEW20)_MCH_5785MHz_SU_/_NTNV



802.11ax(HEW20)_HCH_5825MHz_SU_/_NTNV

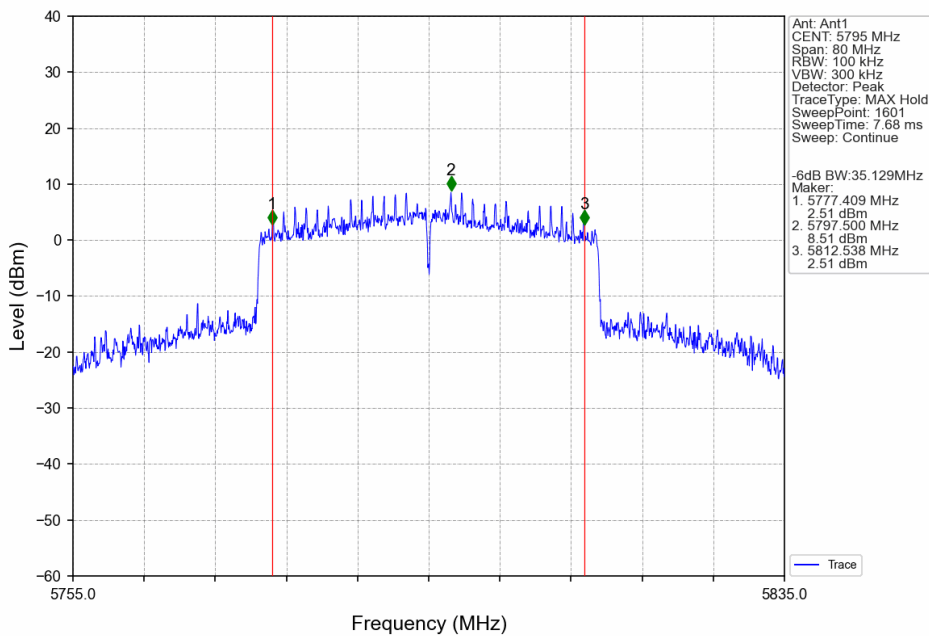


802.11ax(HEW40)_LCH_5755MHz_SU_/_NTNV

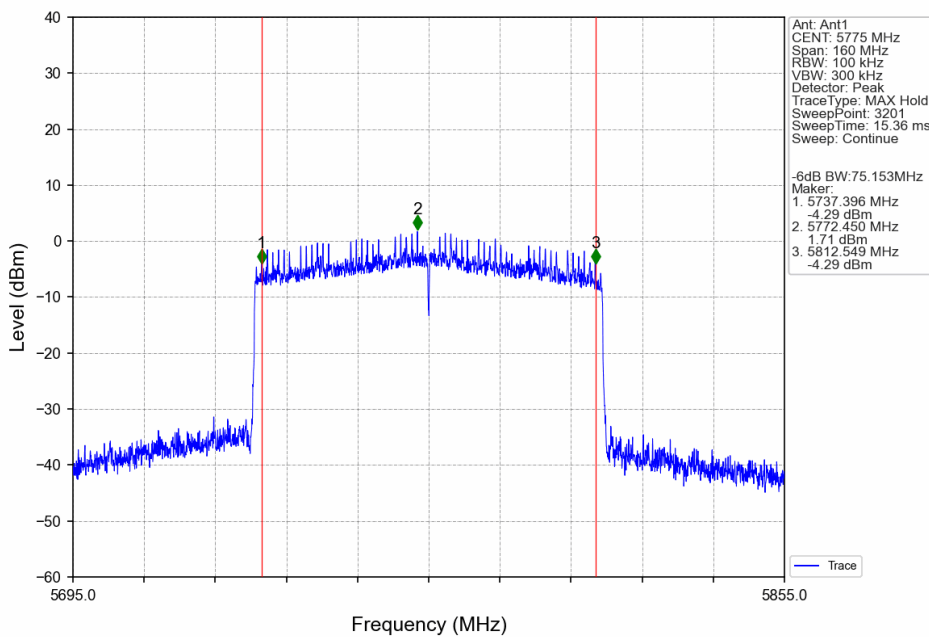




802.11ax(HEW40)_HCH_5795MHz_SU_/_NTNV



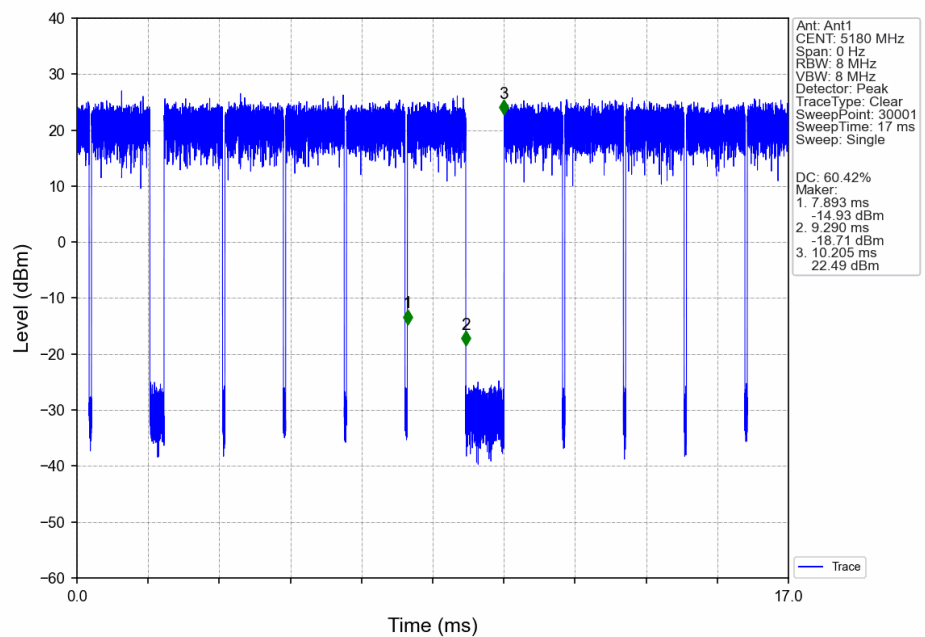
802.11ax(HEW80)_MCH_5775MHz_SU_/_NTNV



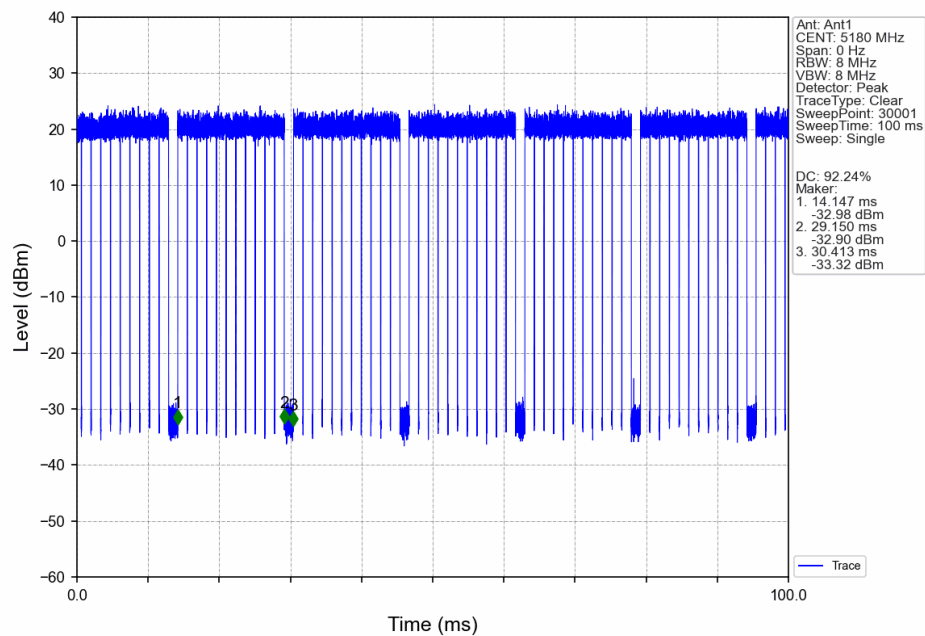
Appendix D: Test result of Duty cycle

Mode	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	5180	1.397	2.312	60.42	2.19	35.72
802.11n (HT20)	5180	15.003	16.266	92.24	0.35	0.09
802.11n (HT40)	5190	0.649	0.705	92.06	0.36	0.04
802.11ac (VHT20)	5180	0.484	0.537	90.13	0.45	0.03
802.11ac (VHT40)	5190	0.261	0.317	82.33	0.84	0.08
802.11ac (VHT80)	5210	0.148	0.205	72.20	1.41	0.07
802.11ax (HEW20)	5180	0.429	0.485	88.45	0.53	0.07
802.11ax (HEW40)	5190	0.272	0.326	83.44	0.79	0.07
802.11ax (HEW80)	5210	0.184	0.241	76.35	1.17	0.14

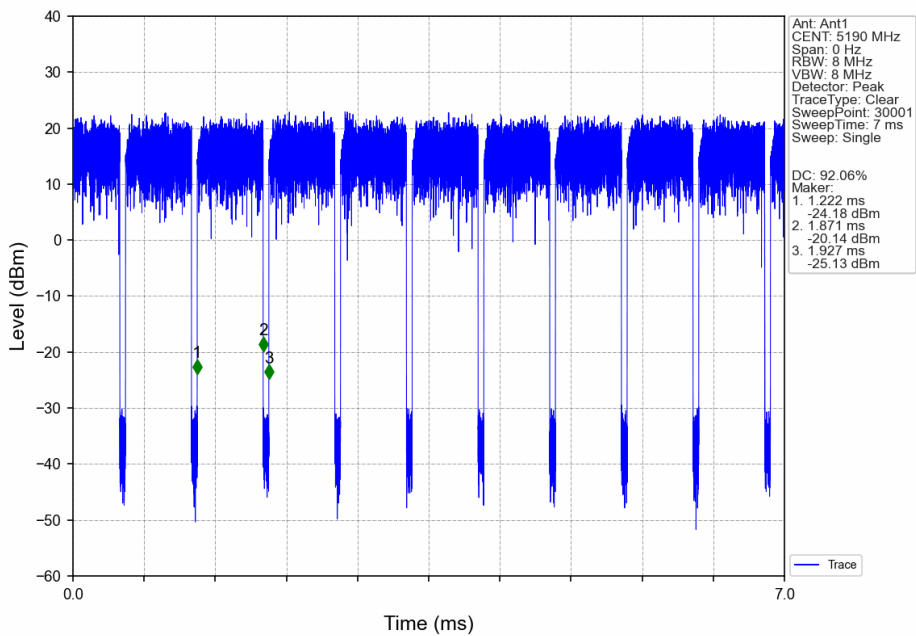
802.11a_LCH_5180MHz_NTNV



802.11n(HT20)_LCH_5180MHz_NTNV



802.11n(HT40)_LCH_5190MHz_NTNV



802.11ac(VHT20)_LCH_5180MHz_NTNV

