

1. Duty Cycle

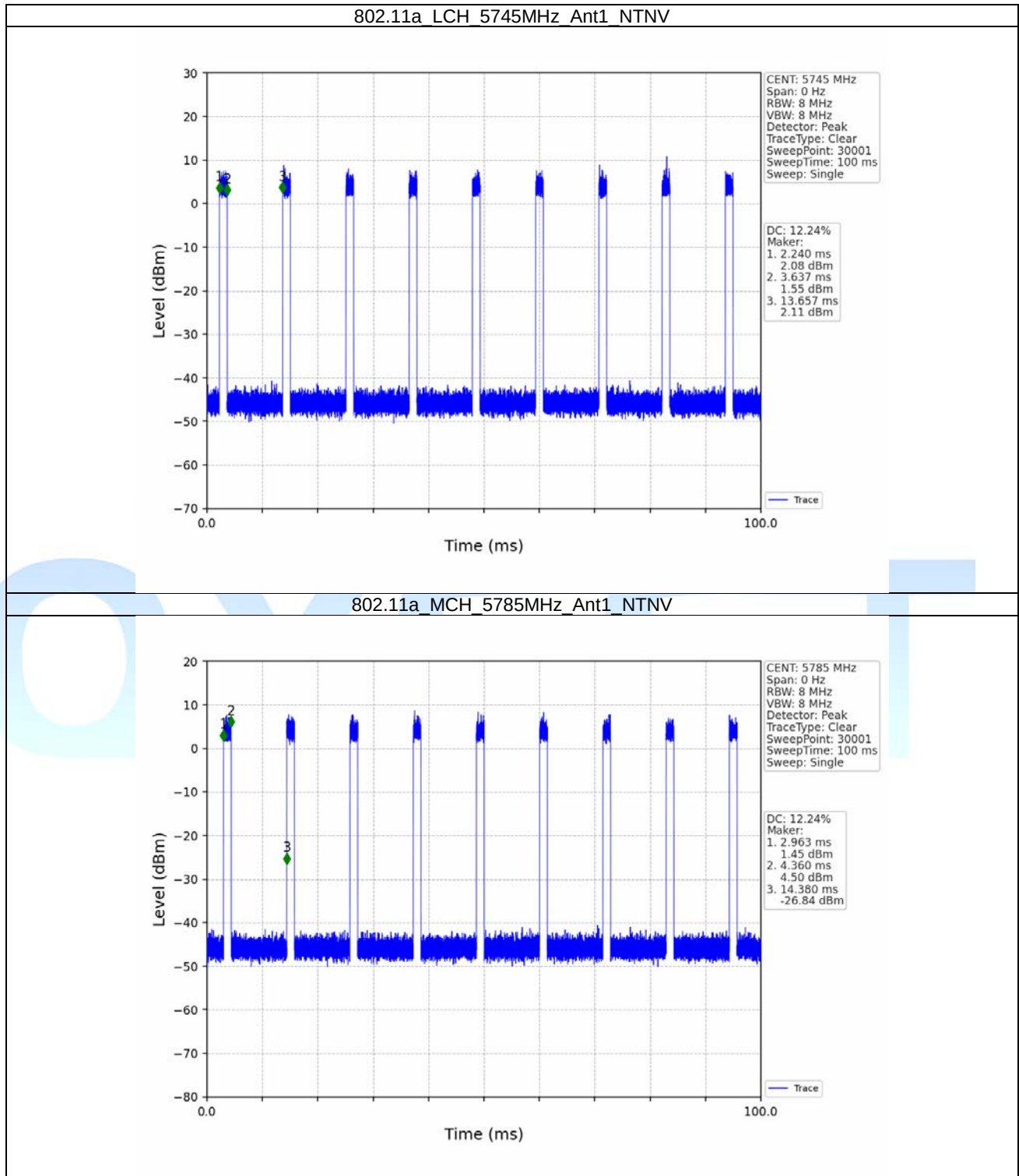
1.1 Test Result

1.1.1 Ant1

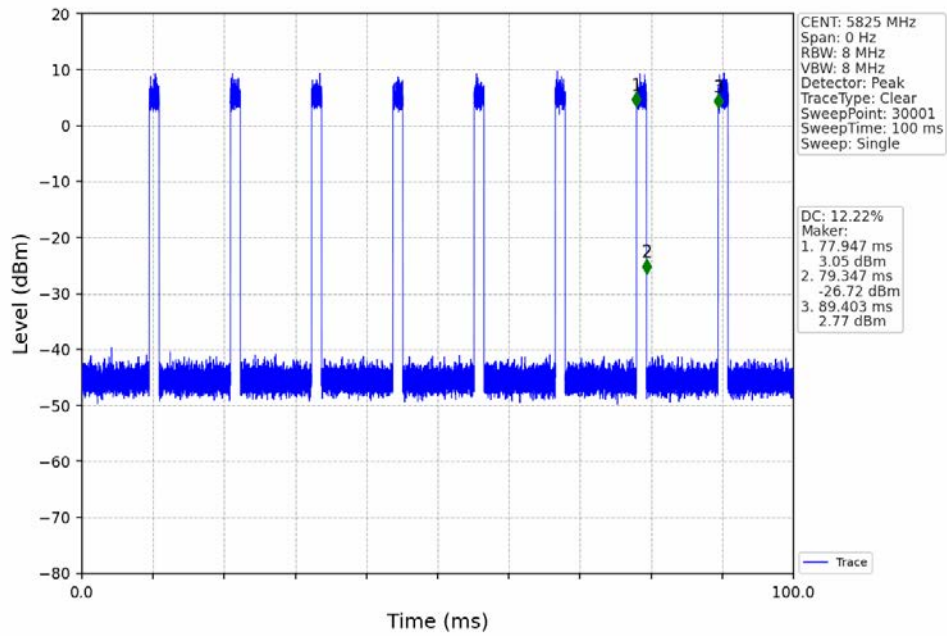
Ant1									
Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	/	/	1.397	11.417	12.24	9.12	0.03
		5785	/	/	1.397	11.417	12.24	9.12	0.03
		5825	/	/	1.400	11.456	12.22	9.13	0.05
802.11n (HT20)	SISO	5745	/	/	5.090	15.110	33.69	4.73	0.02
		5785	/	/	5.090	15.110	33.69	4.73	0.02
		5825	/	/	5.090	15.110	33.69	4.73	0.02
802.11n (HT40)	SISO	5755	/	/	4.896	14.913	32.83	4.84	0.02
		5795	/	/	4.896	14.916	32.82	4.84	0.02
802.11ac (VHT20)	SISO	5745	/	/	5.097	15.120	33.71	4.72	0.02
		5785	/	/	5.097	15.117	33.72	4.72	0.02
		5825	/	/	5.097	15.117	33.72	4.72	0.03
802.11ac (VHT40)	SISO	5755	/	/	4.903	14.923	32.86	4.83	0.02
		5795	/	/	4.904	14.924	32.86	4.83	0.02
802.11ax (HEW20)	SISO	5745	RU242	Left	3.880	13.900	27.91	5.54	0.00
		5785	RU242	Left	3.880	13.900	27.91	5.54	0.01
		5825	RU242	Left	3.876	13.896	27.89	5.55	0.03
802.11ax (HEW40)	SISO	5755	RU484	Left	3.873	13.890	27.88	5.55	0.02
		5795	RU484	Left	3.873	13.896	27.87	5.55	0.02

1.2 Test Graph

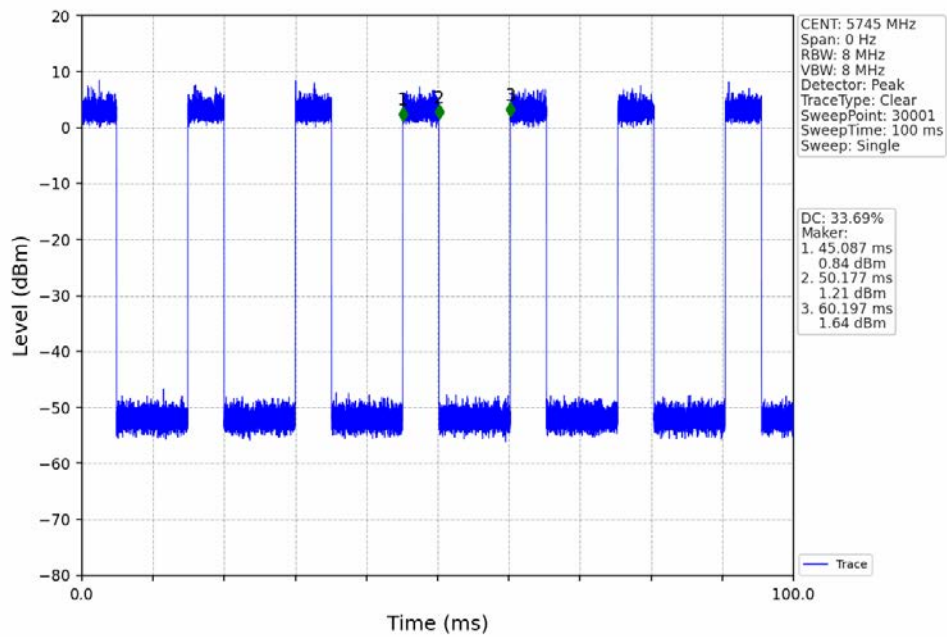
1.2.1 Ant1



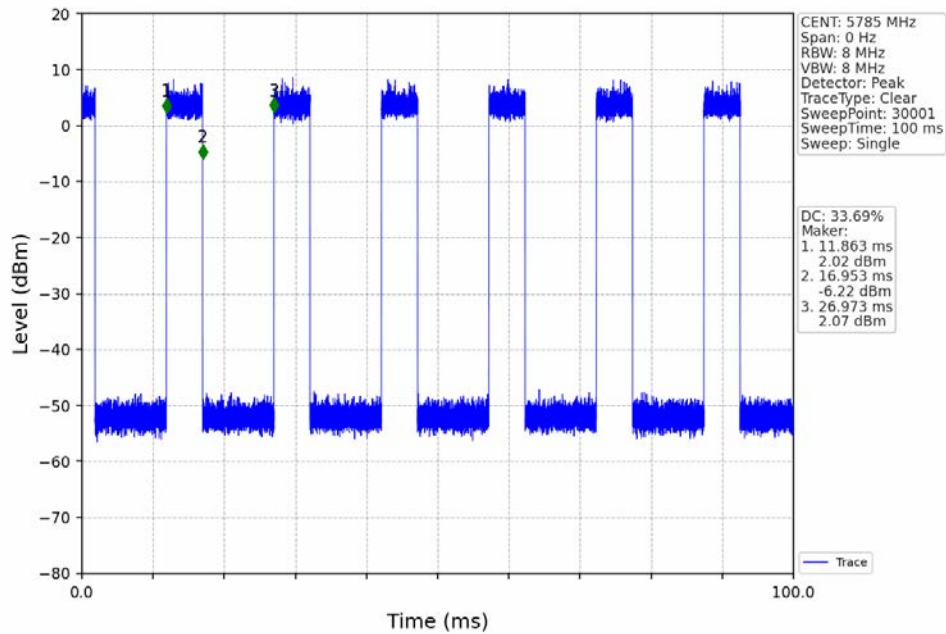
802.11a_HCH_5825MHz_Ant1_NTNV



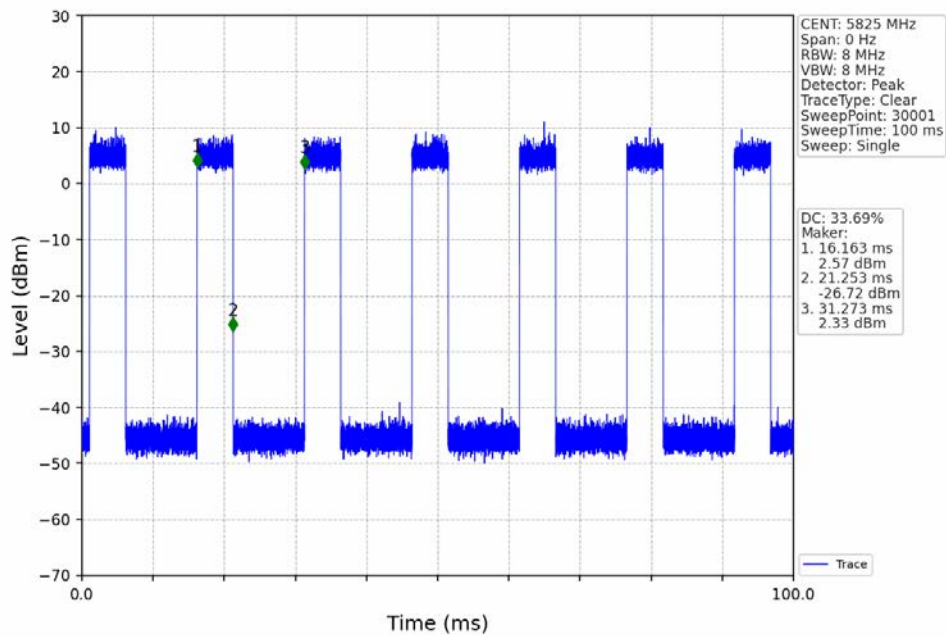
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



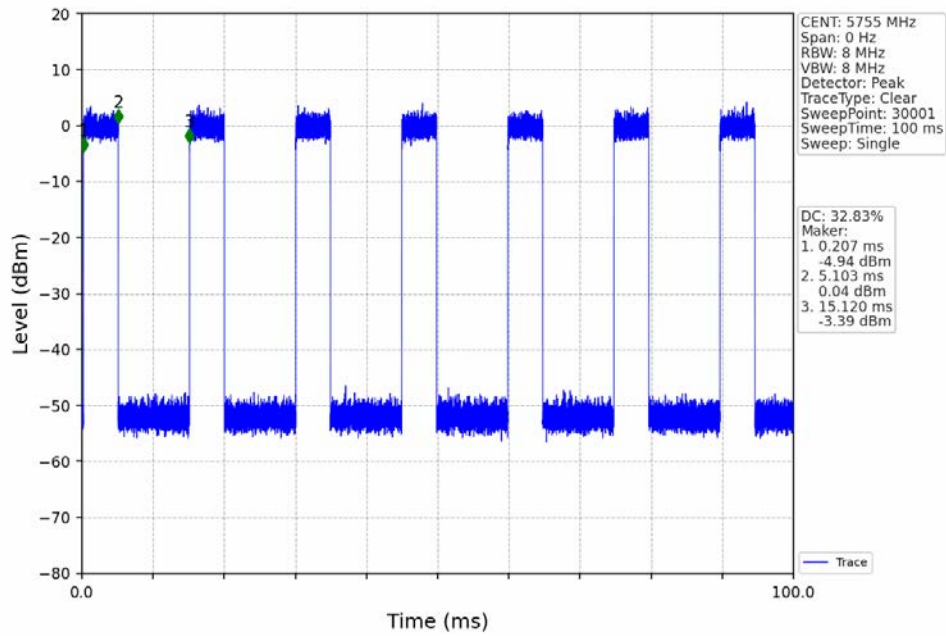
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



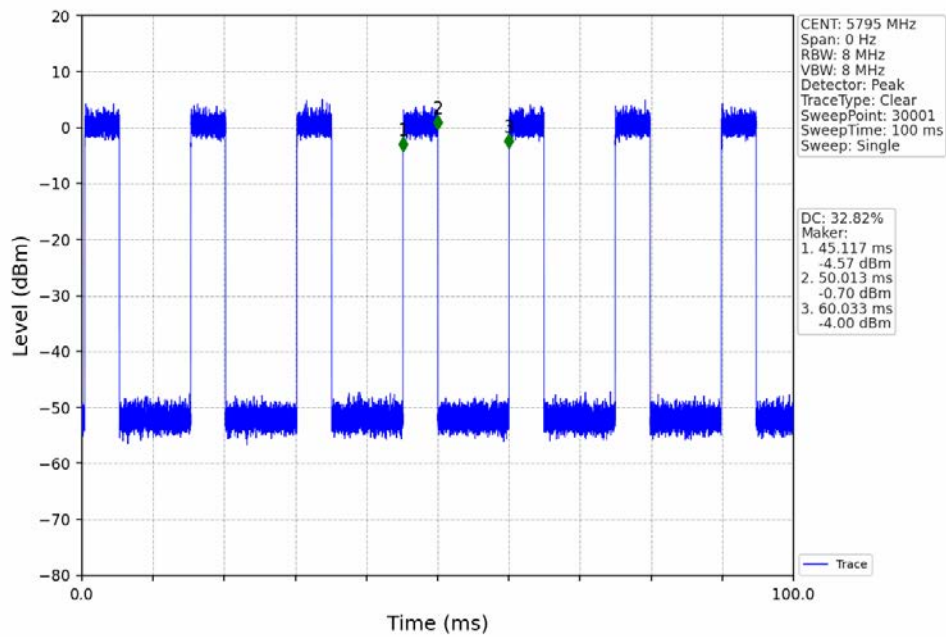
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



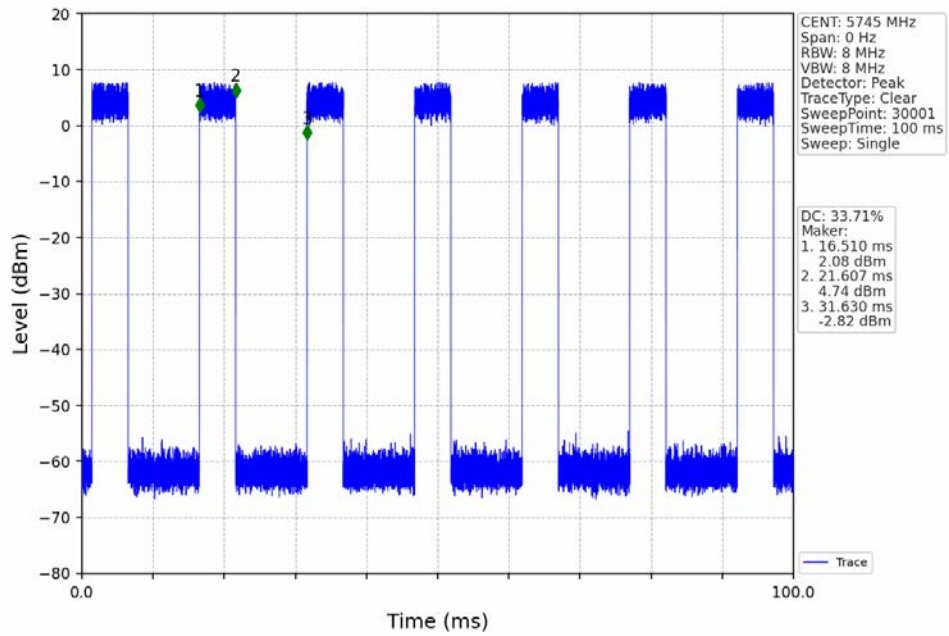
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



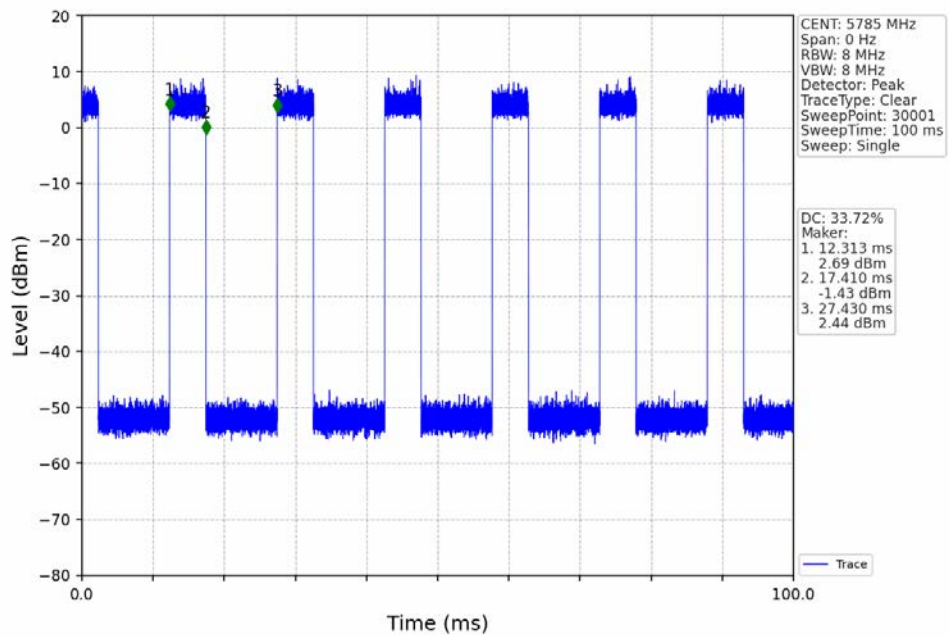
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



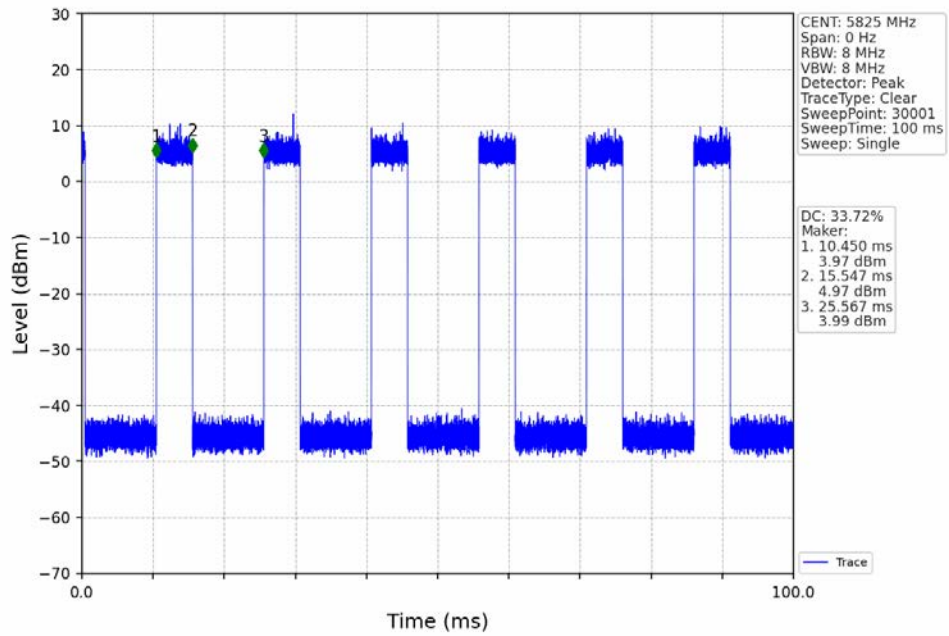
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



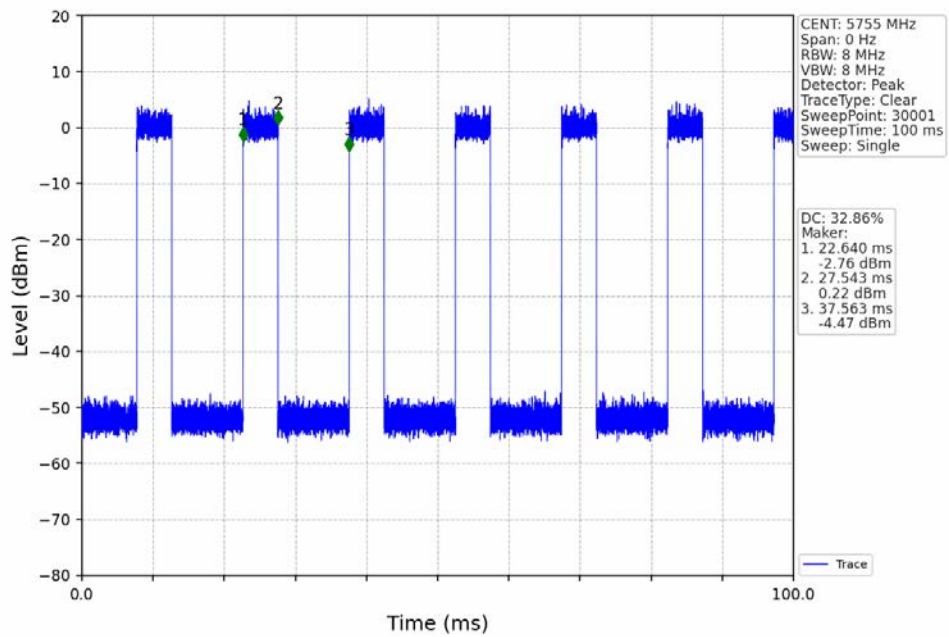
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



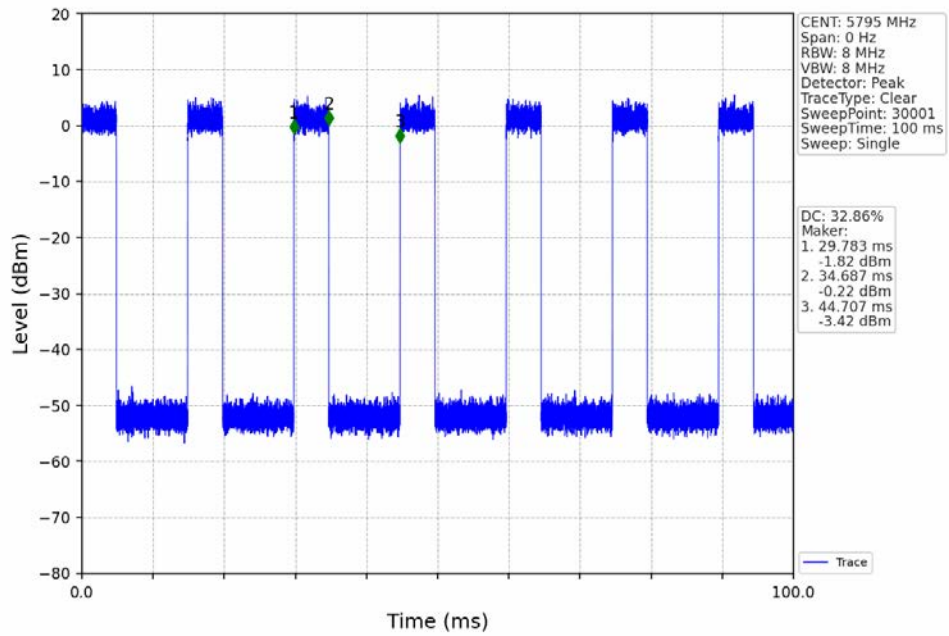
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



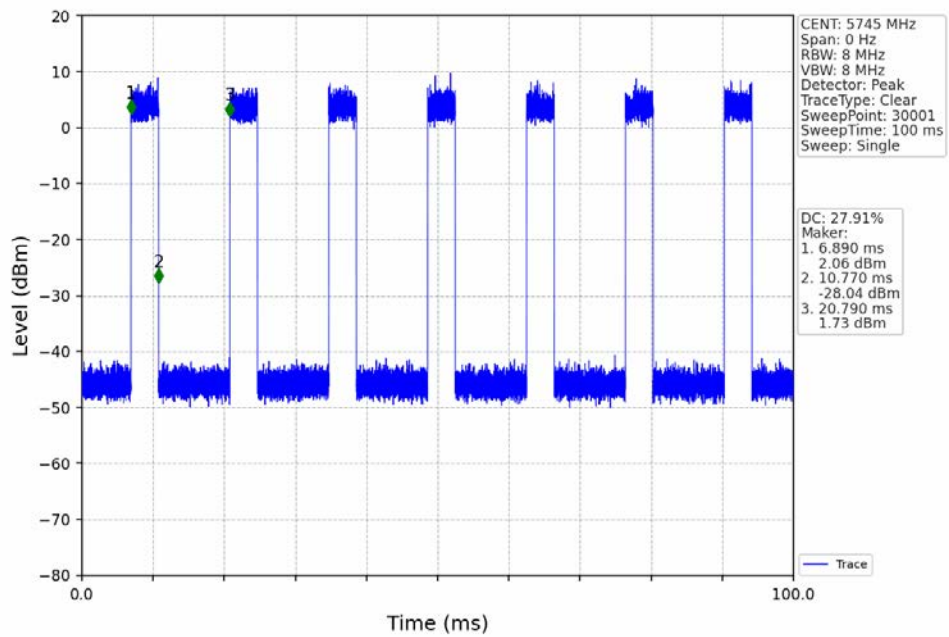
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



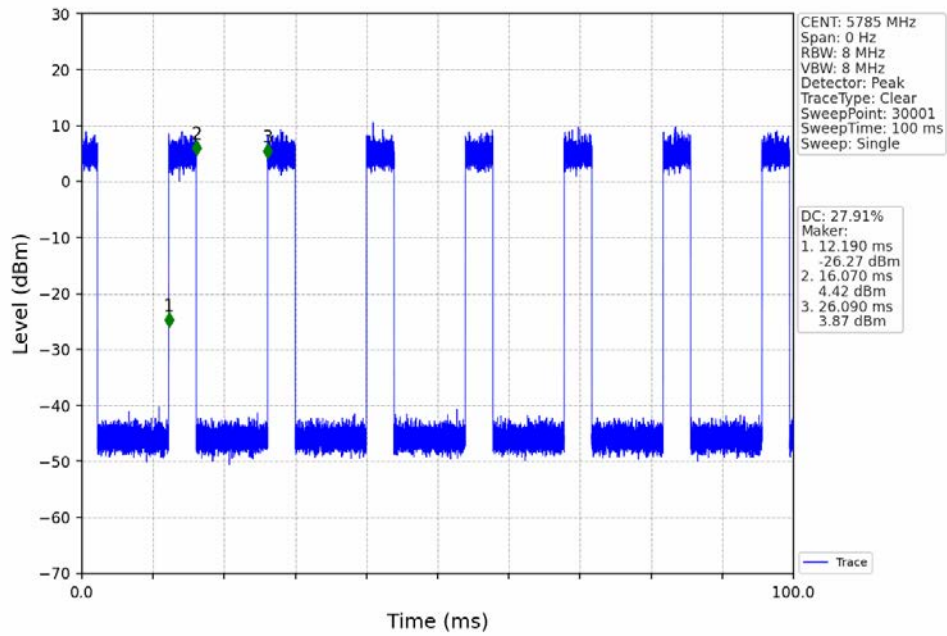
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



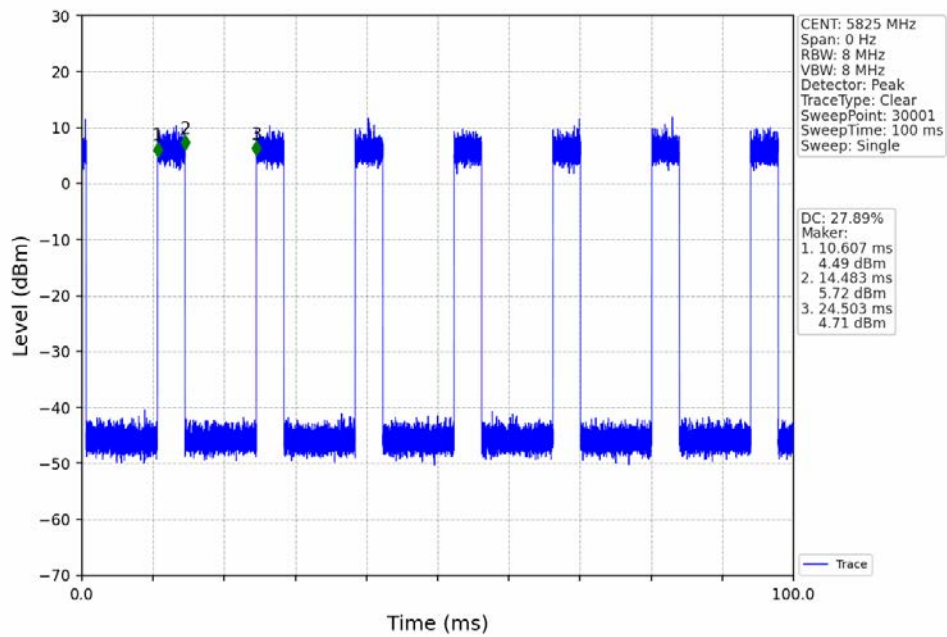
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



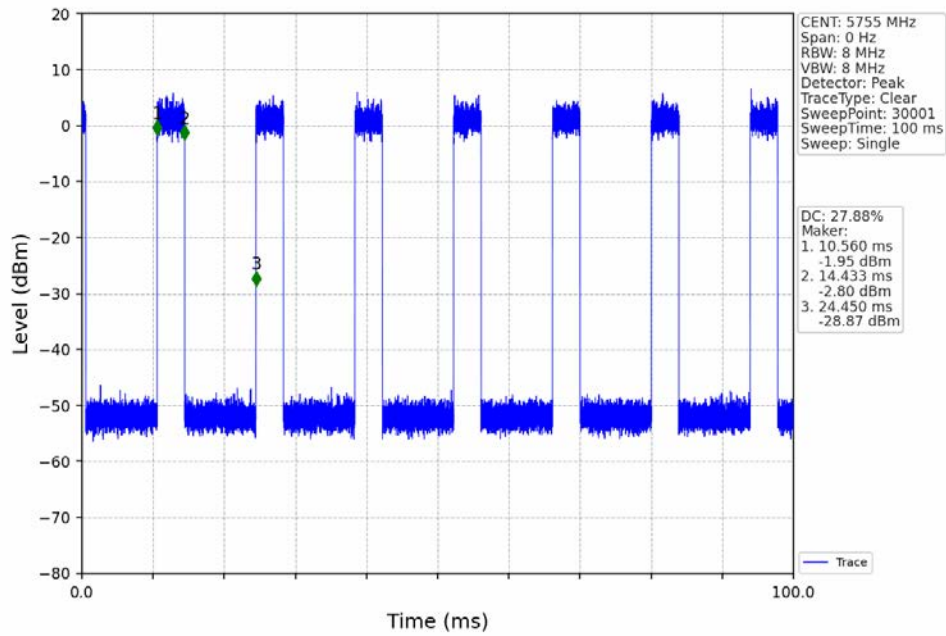
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



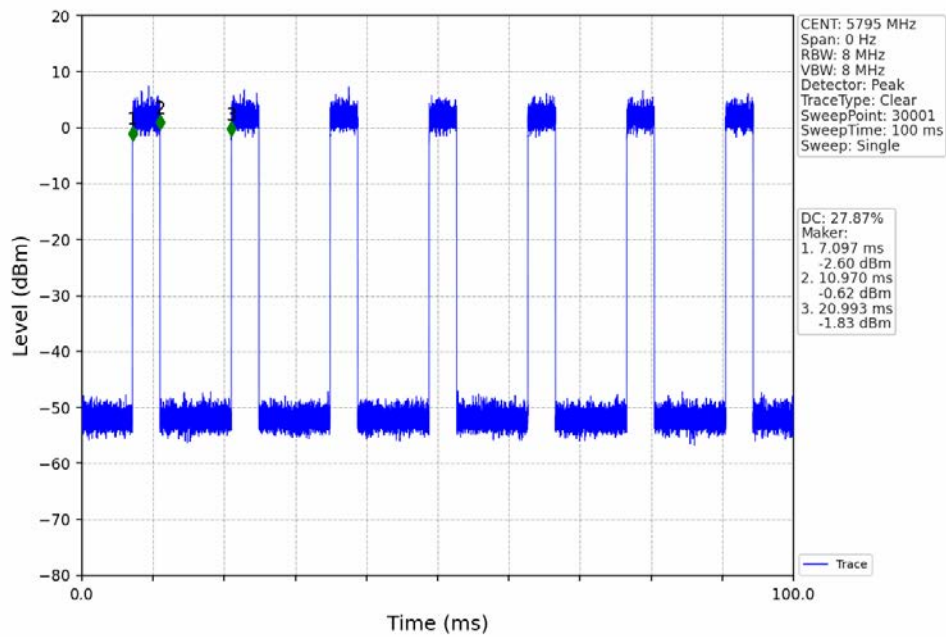
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

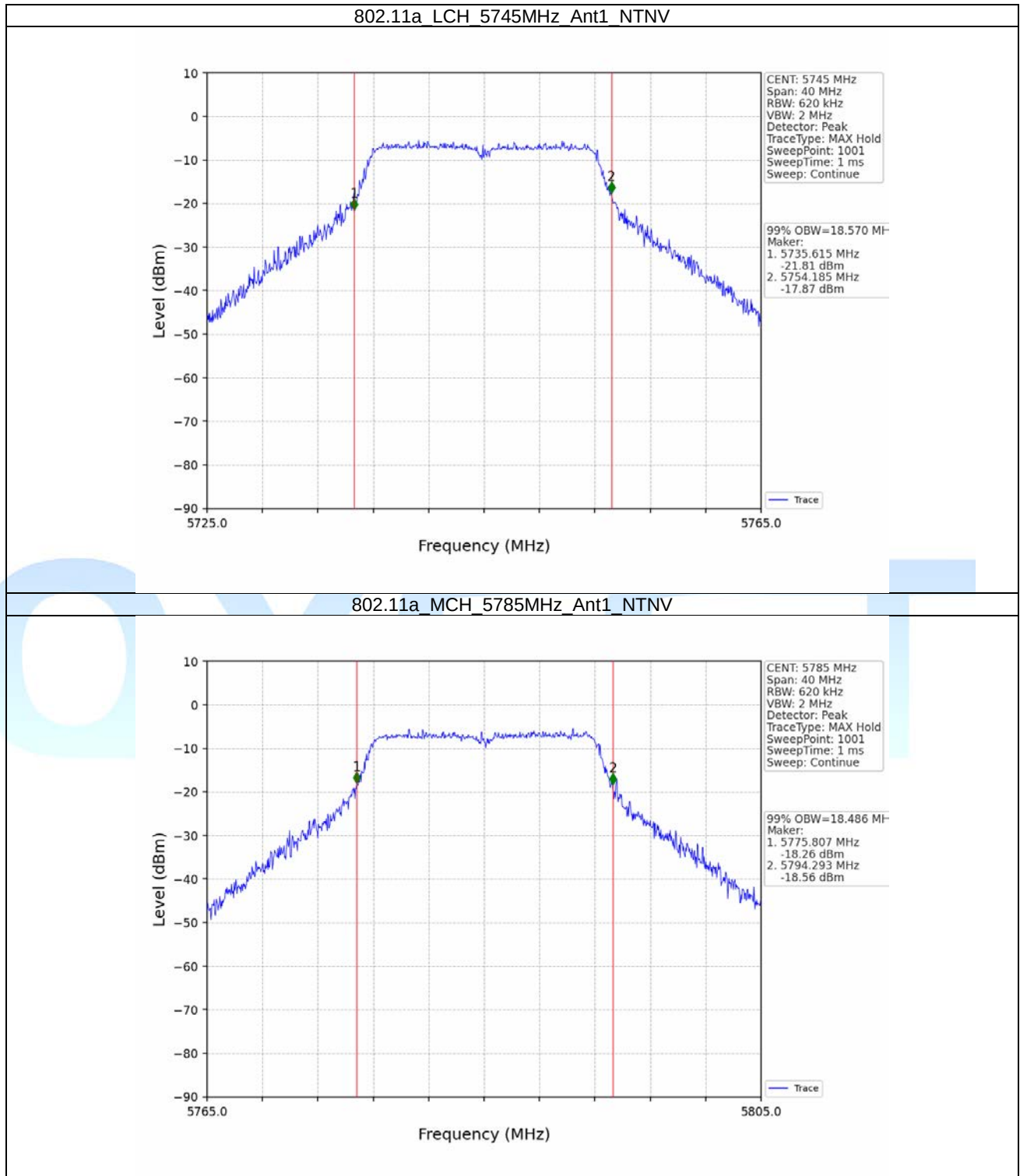
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	18.570	/	Pass
		5785	/	/	1	18.486	/	Pass
		5825	/	/	1	18.643	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	19.691	/	Pass
		5785	/	/	1	19.900	/	Pass
		5825	/	/	1	19.962	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	37.872	/	Pass
		5795	/	/	1	38.018	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	19.796	/	Pass
		5785	/	/	1	19.794	/	Pass
		5825	/	/	1	19.797	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	38.132	/	Pass
		5795	/	/	1	37.971	/	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	20.013	/	Pass
		5785	RU242	Left	1	20.068	/	Pass
		5825	RU242	Left	1	19.936	/	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	39.125	/	Pass
		5795	RU484	Left	1	38.894	/	Pass

2.1.2 6dB BW

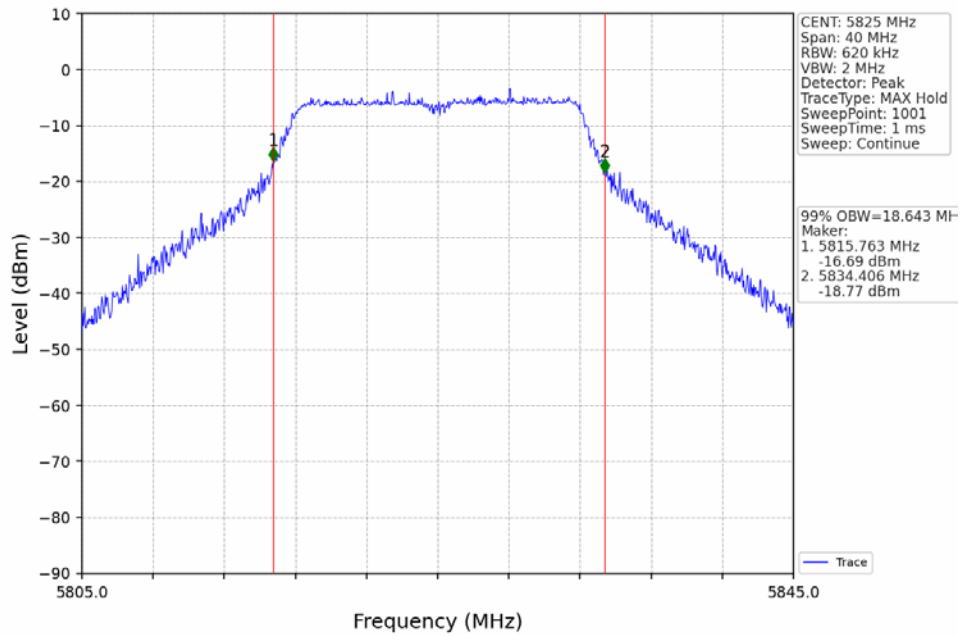
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.381	>=0.5	Pass
		5785	/	/	1	16.380	>=0.5	Pass
		5825	/	/	1	16.374	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.647	>=0.5	Pass
		5785	/	/	1	17.788	>=0.5	Pass
		5825	/	/	1	17.678	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.369	>=0.5	Pass
		5795	/	/	1	36.364	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.640	>=0.5	Pass
		5785	/	/	1	17.654	>=0.5	Pass
		5825	/	/	1	17.655	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.408	>=0.5	Pass
		5795	/	/	1	36.420	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	18.997	>=0.5	Pass
		5785	RU242	Left	1	19.006	>=0.5	Pass
		5825	RU242	Left	1	18.935	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	38.053	>=0.5	Pass
		5795	RU484	Left	1	38.039	>=0.5	Pass

2.2 Test Graph

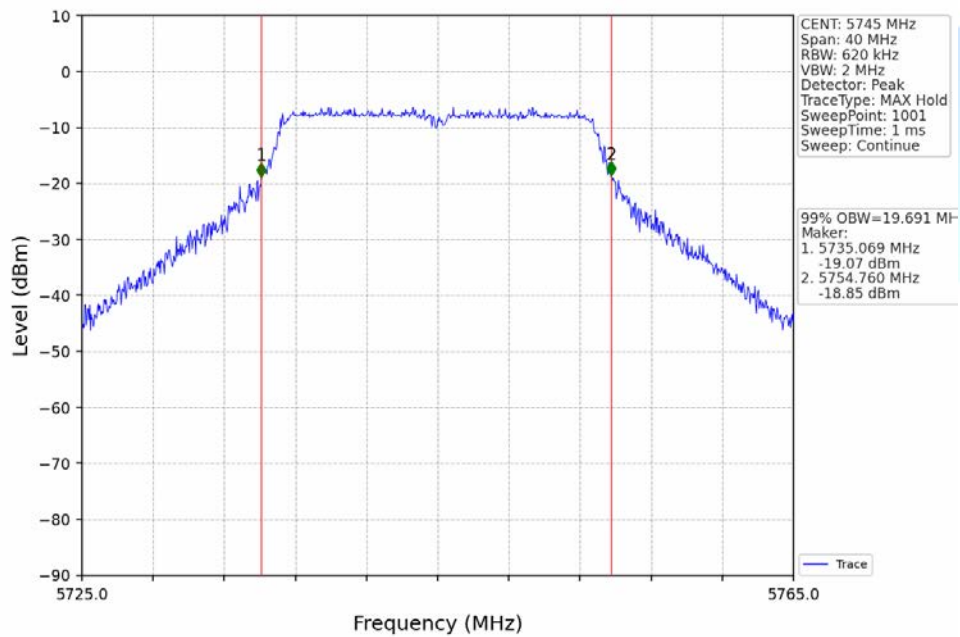
2.2.1 OBW



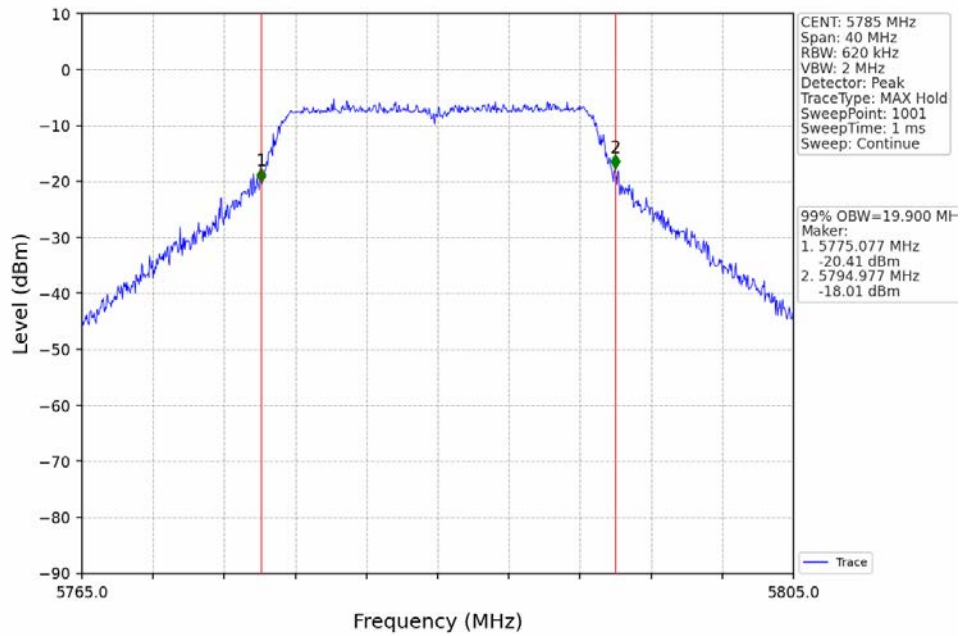
802.11a_HCH_5825MHz_Ant1_NTNV



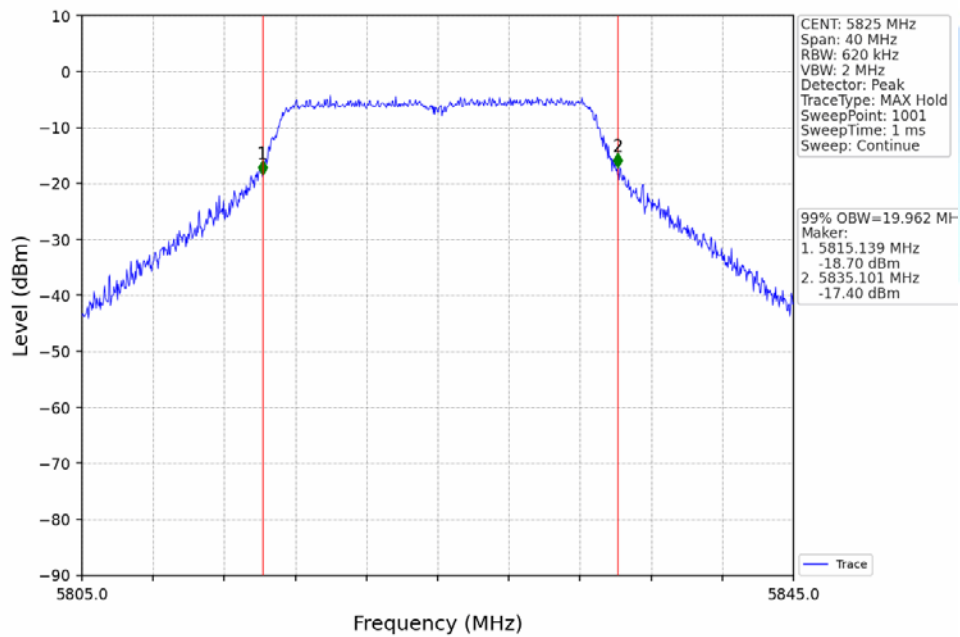
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



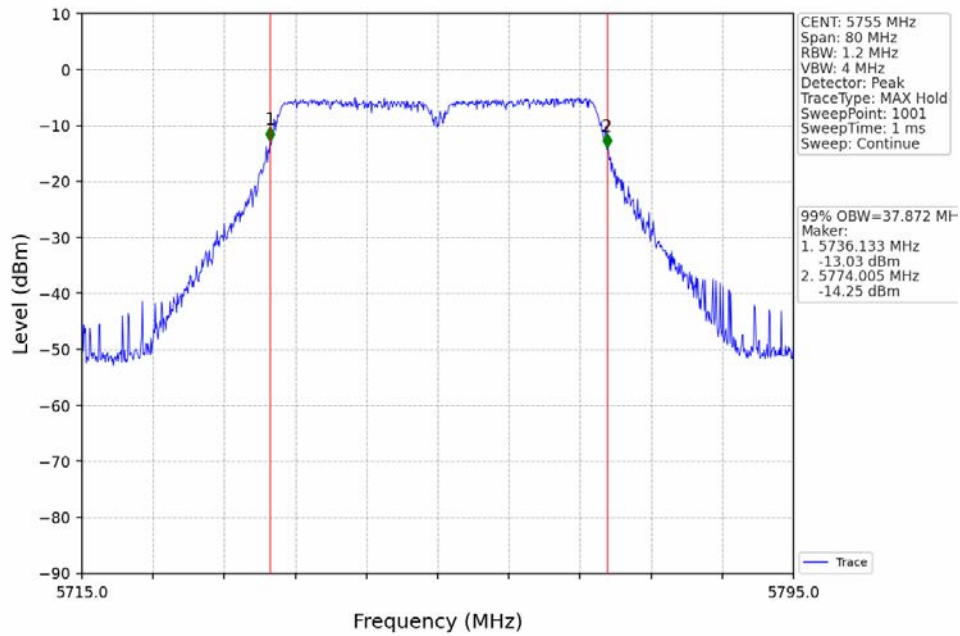
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



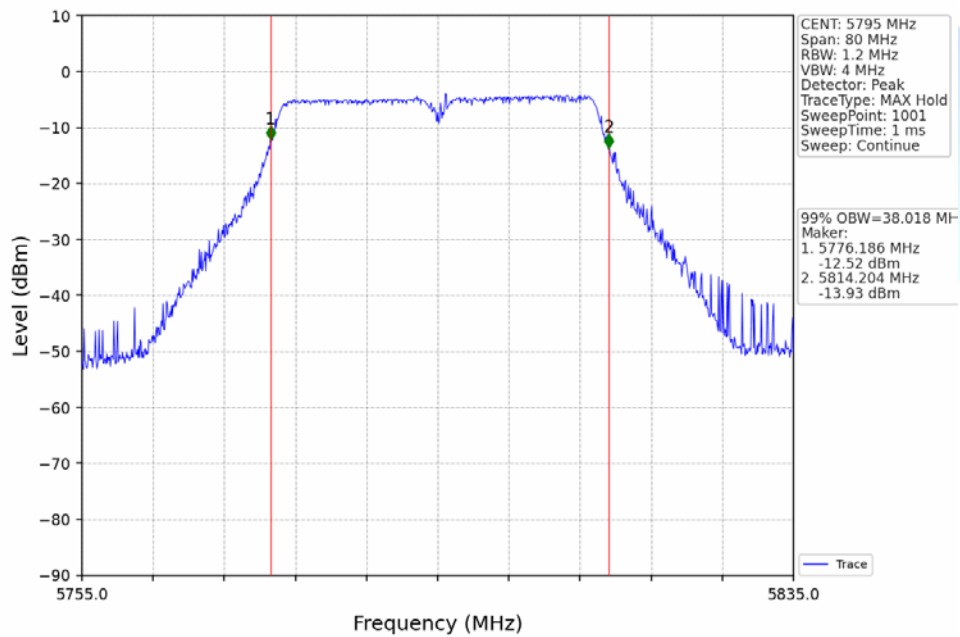
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



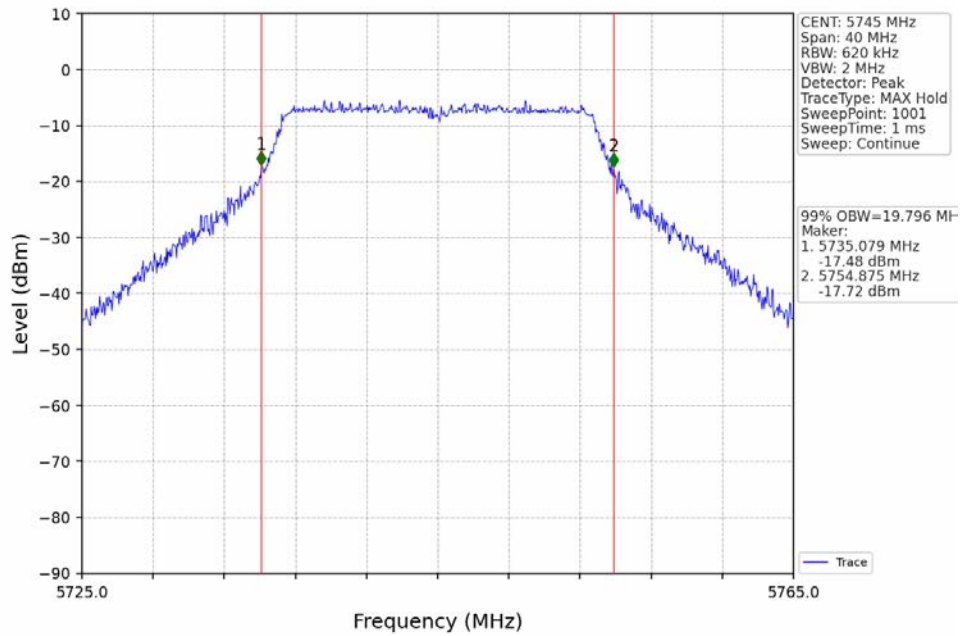
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



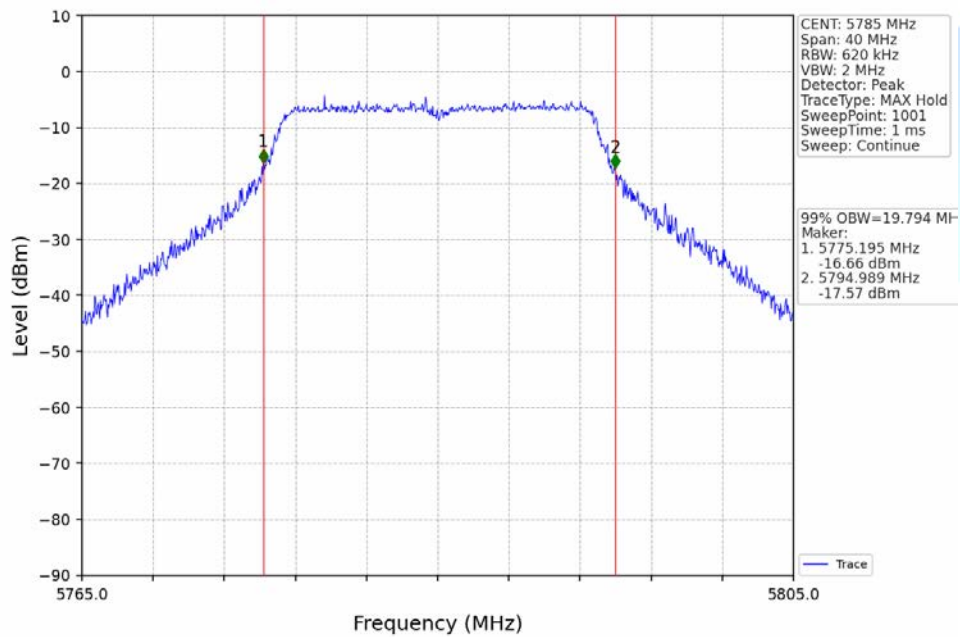
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



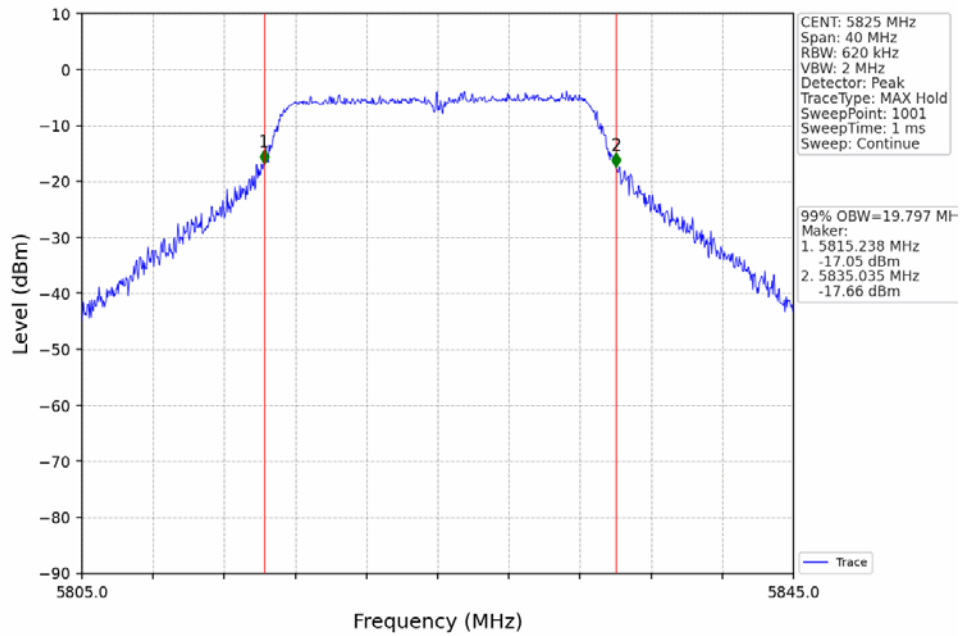
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



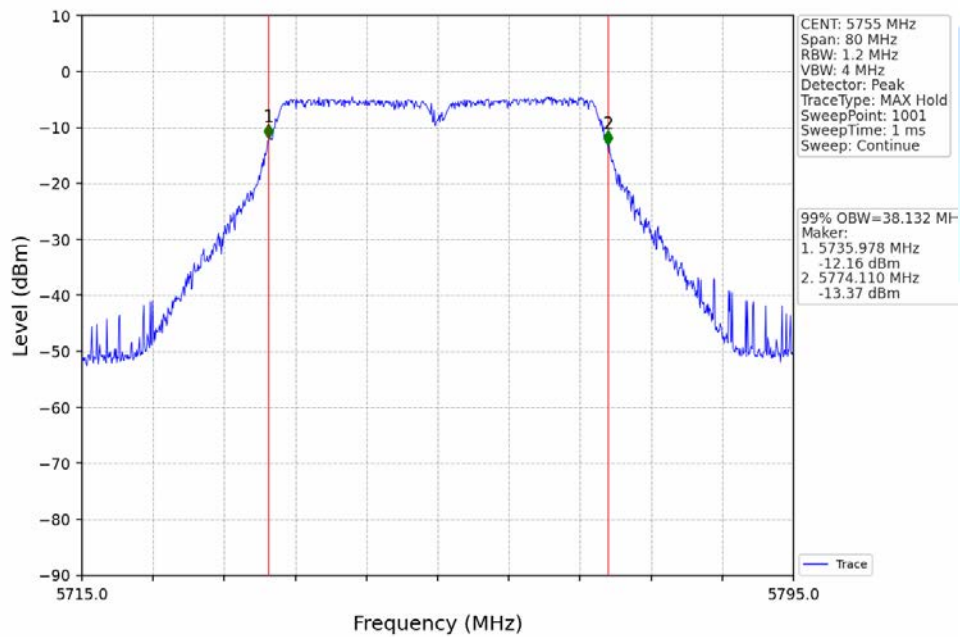
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



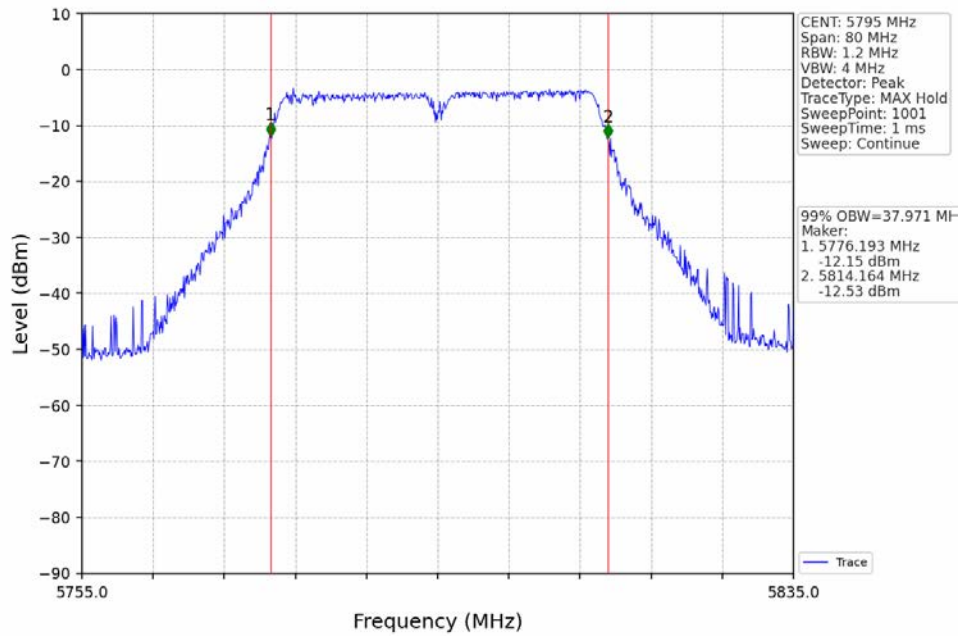
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



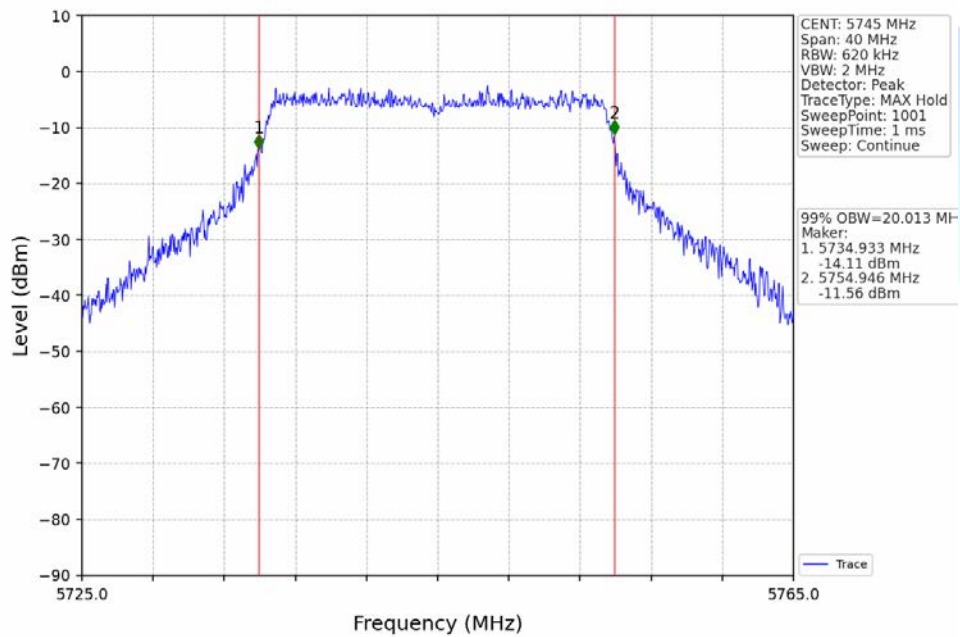
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



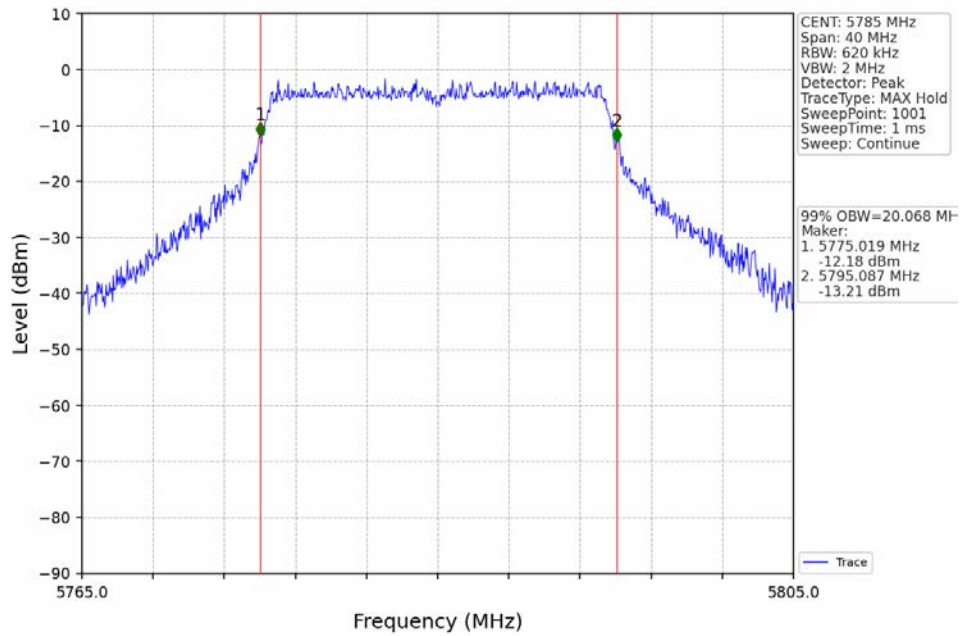
802.11ac(VHT40) HCH_5795MHz_Ant1_NTNV



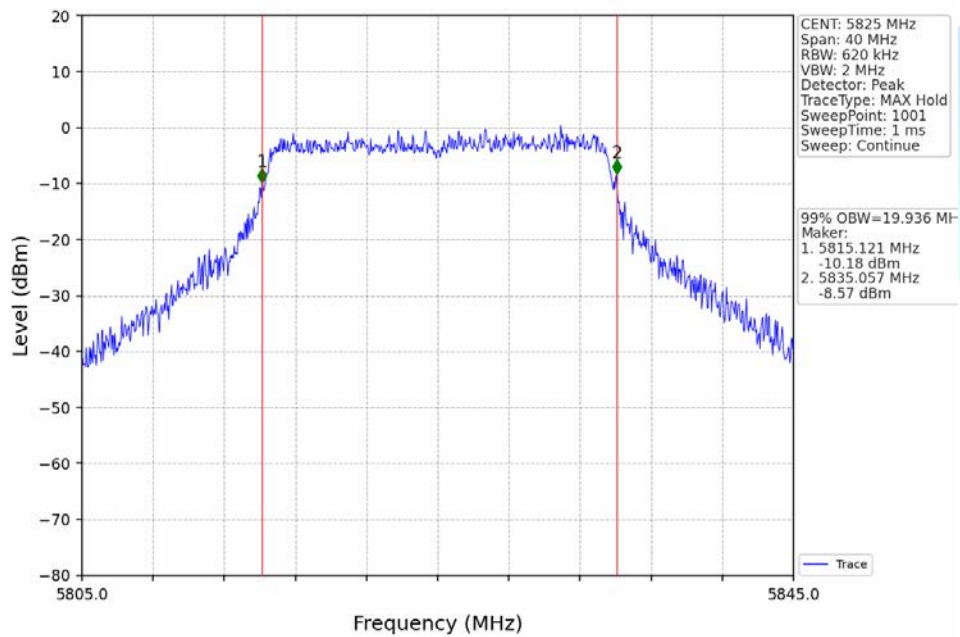
802.11ax(HEW20) LCH_5745MHz_RU242_Left_Ant1_NTNV



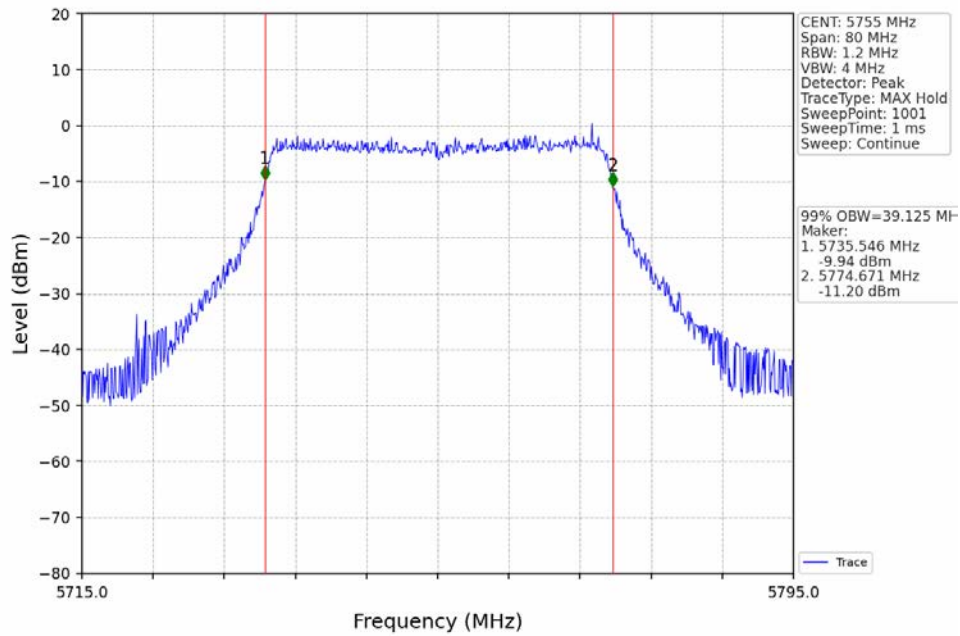
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



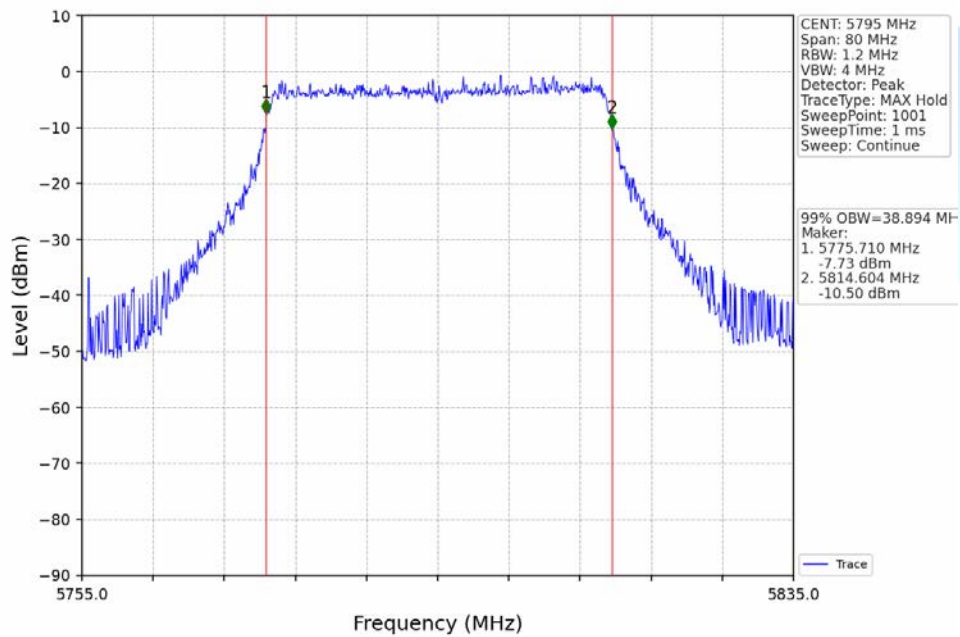
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



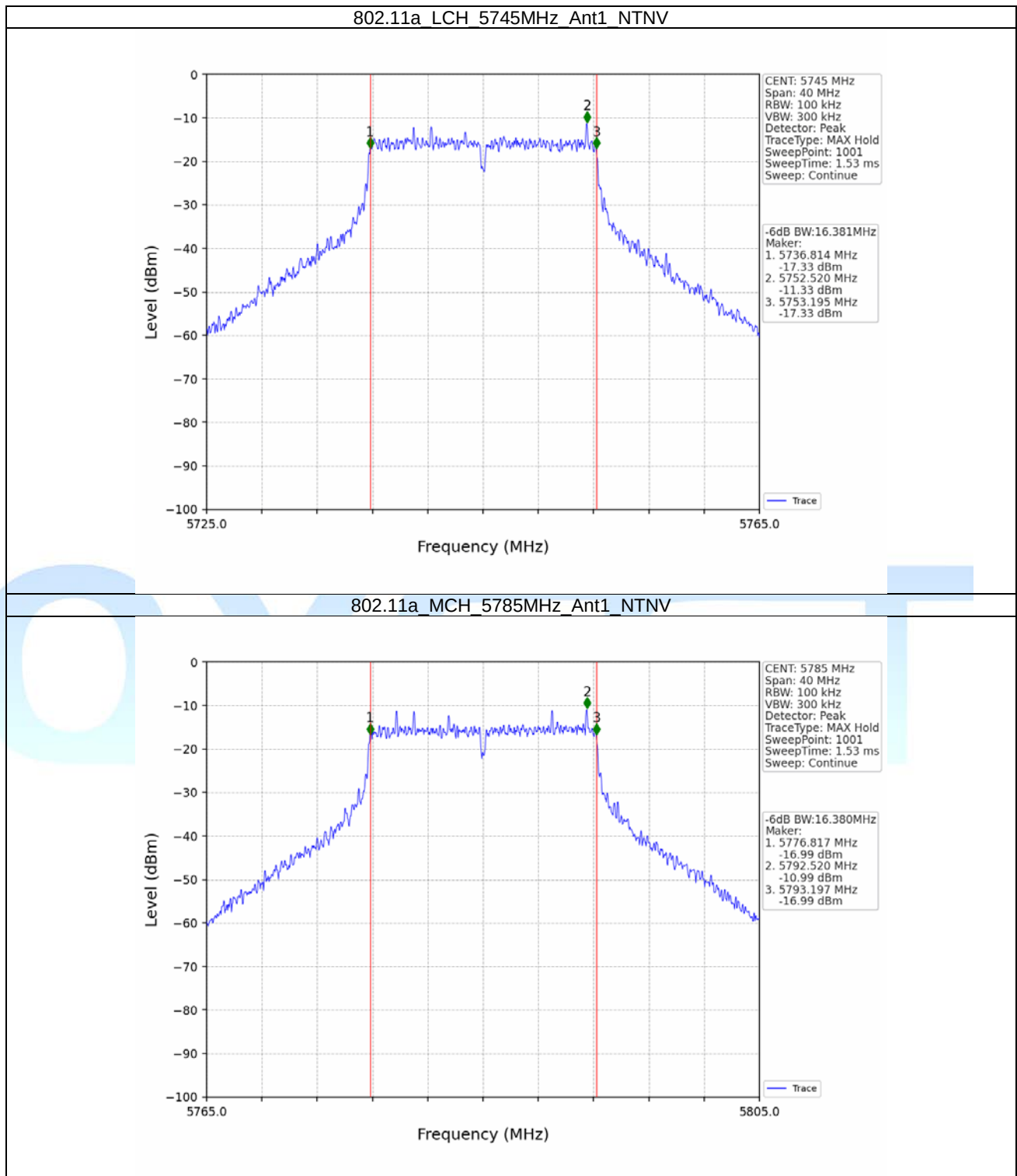
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



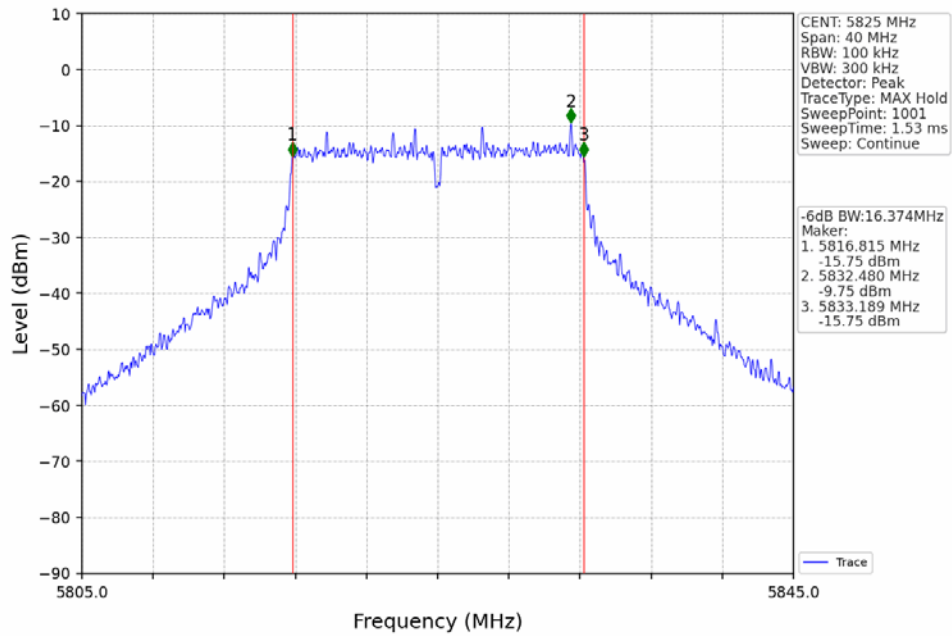
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



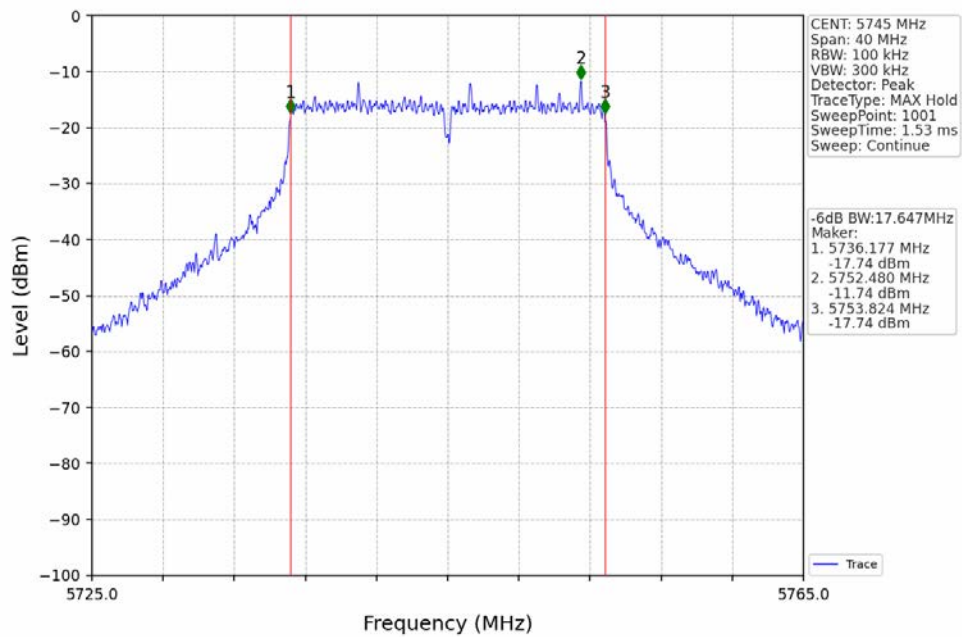
2.2.2 6dB BW



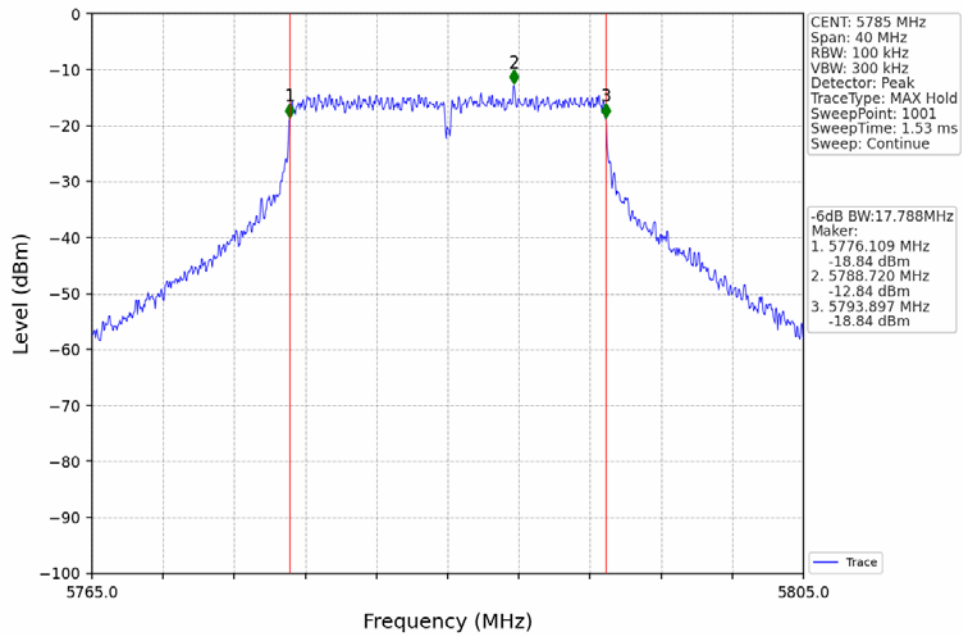
802.11a_HCH_5825MHz_Ant1_NTNV



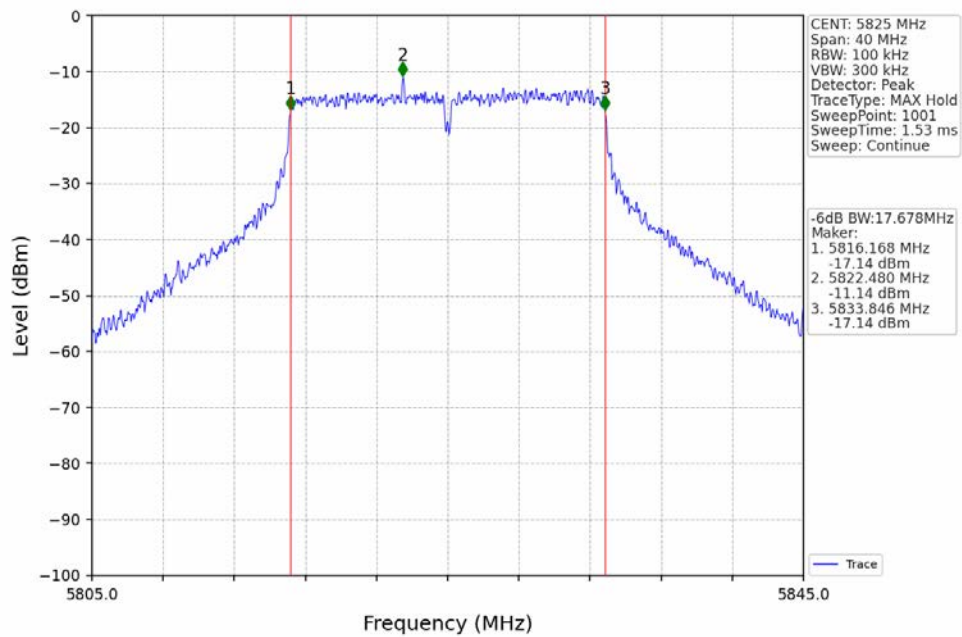
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



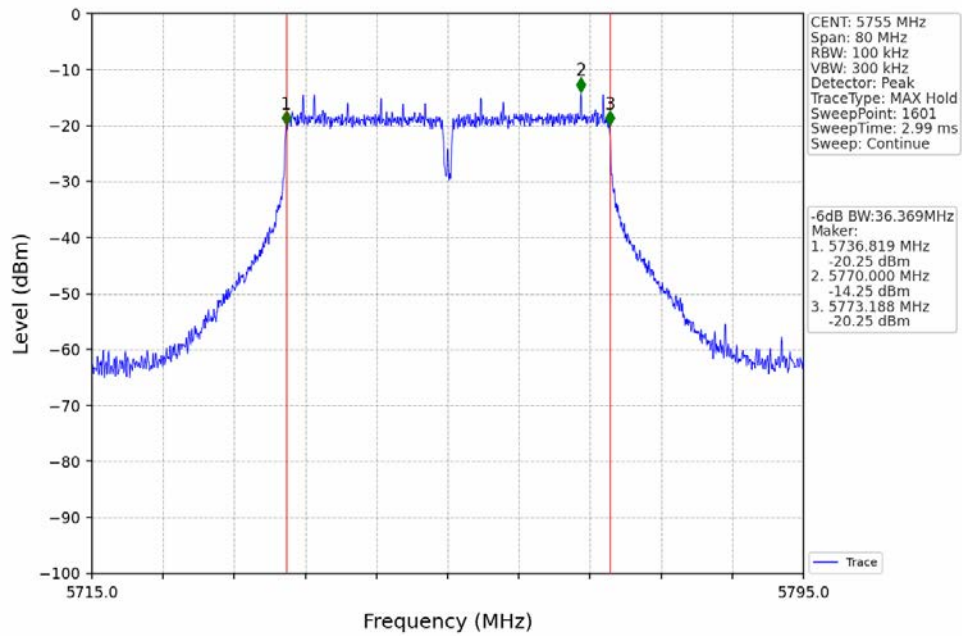
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



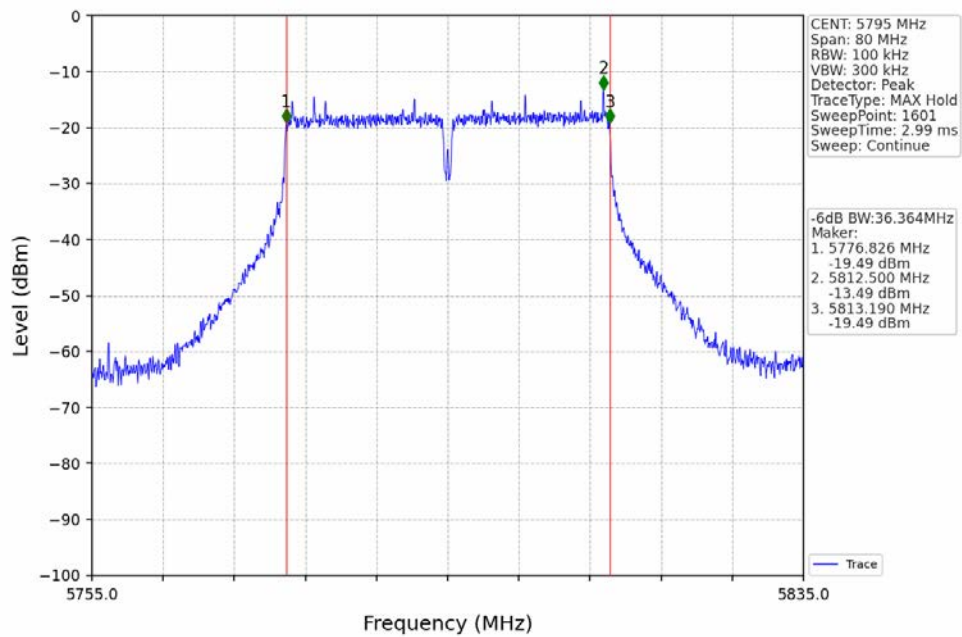
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



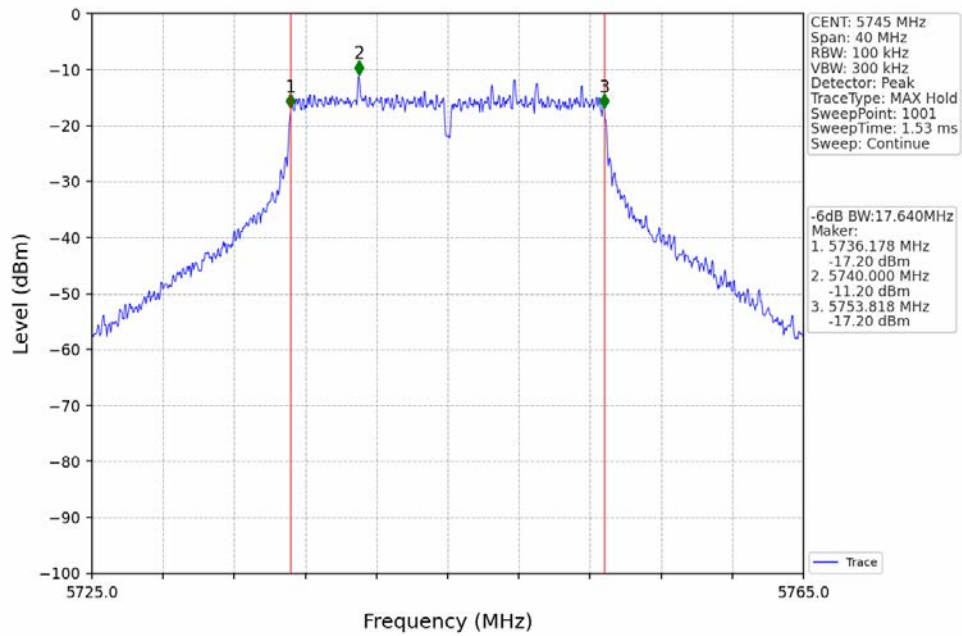
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



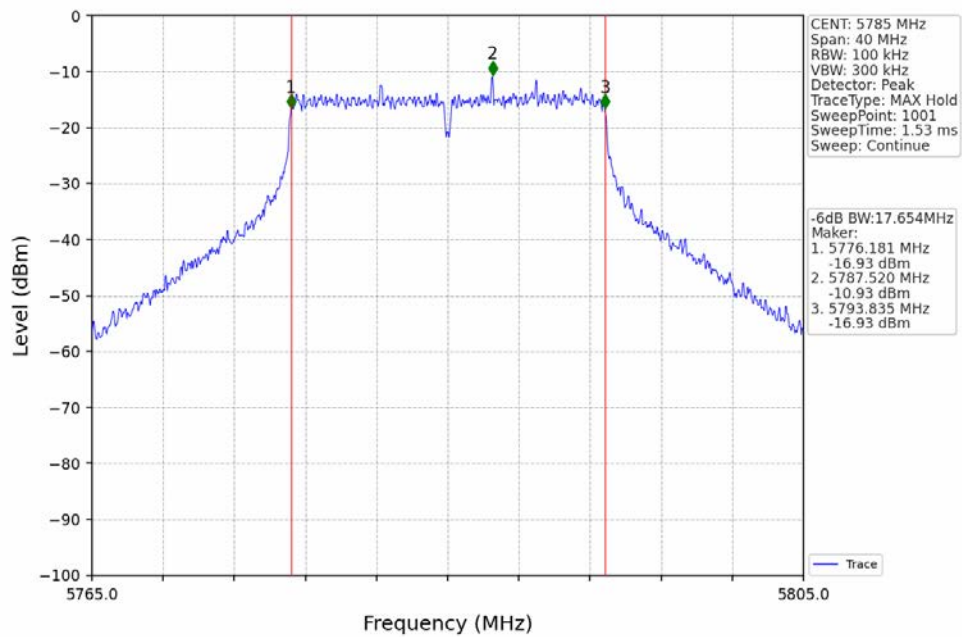
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



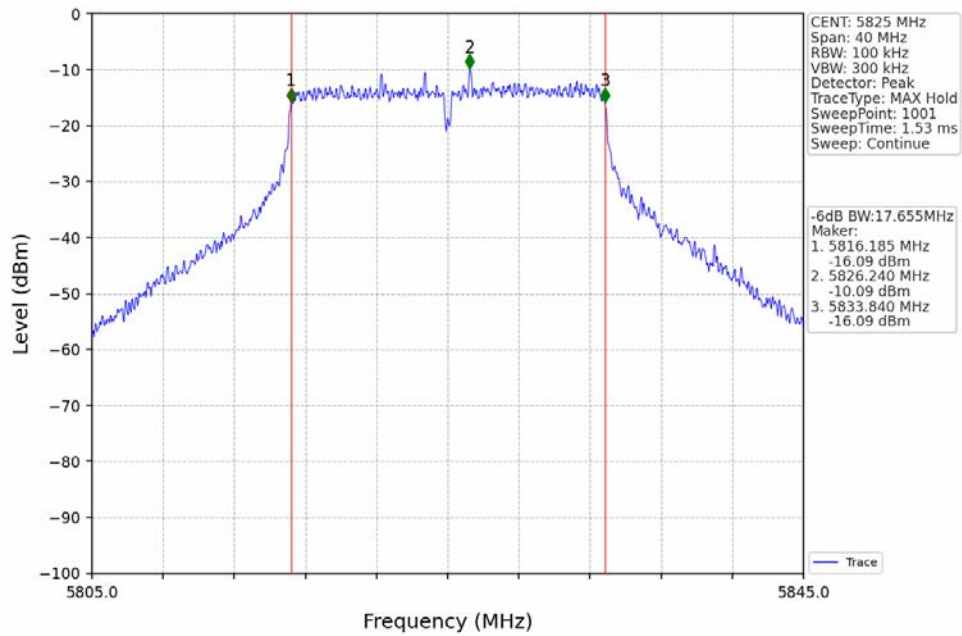
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



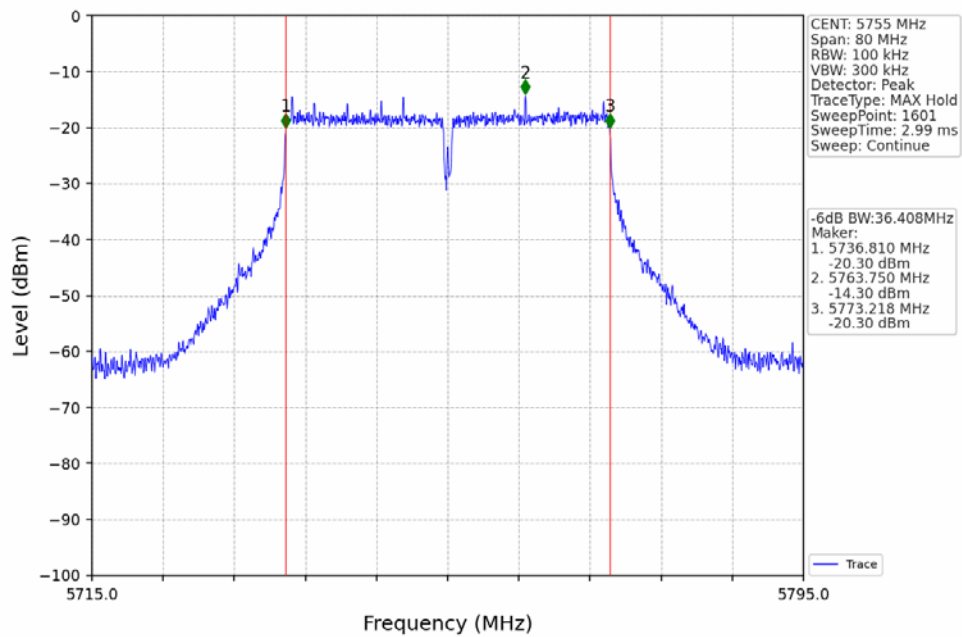
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



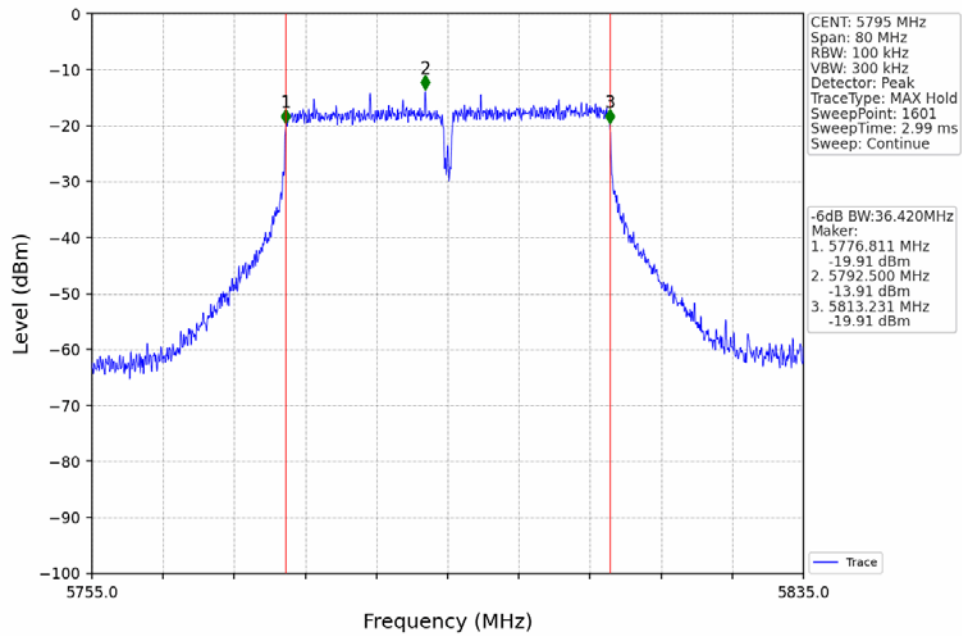
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



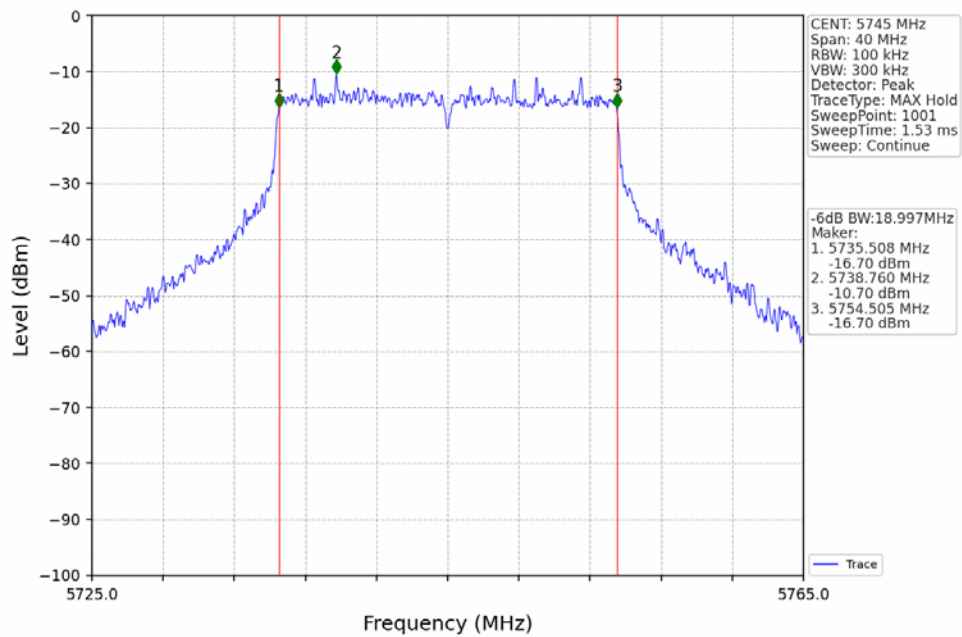
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



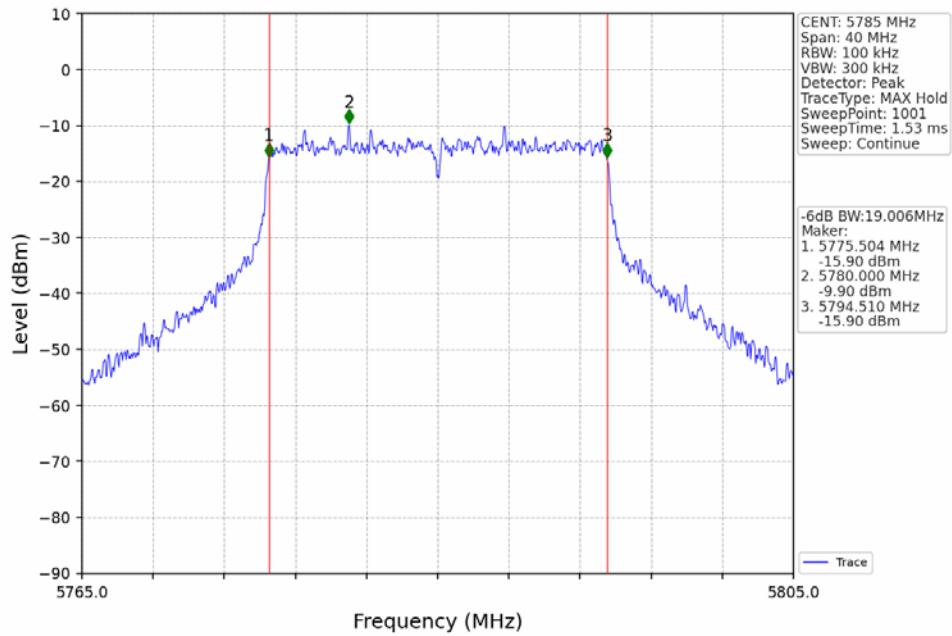
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



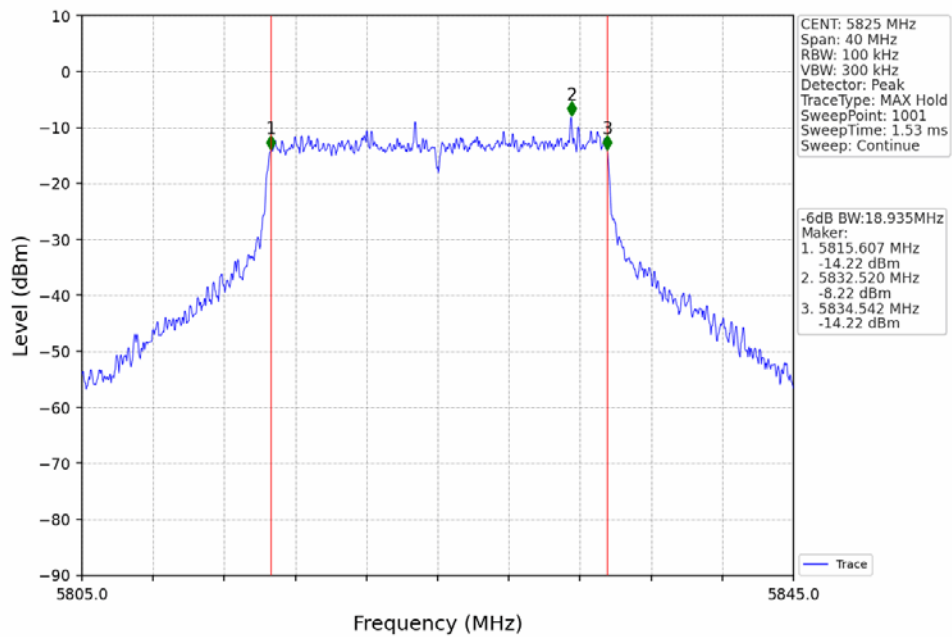
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



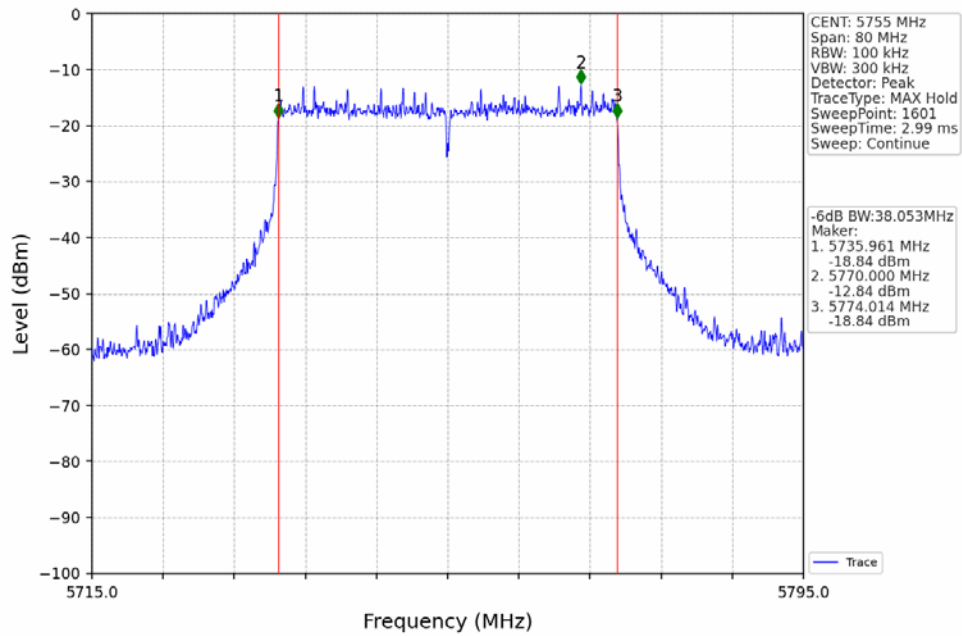
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



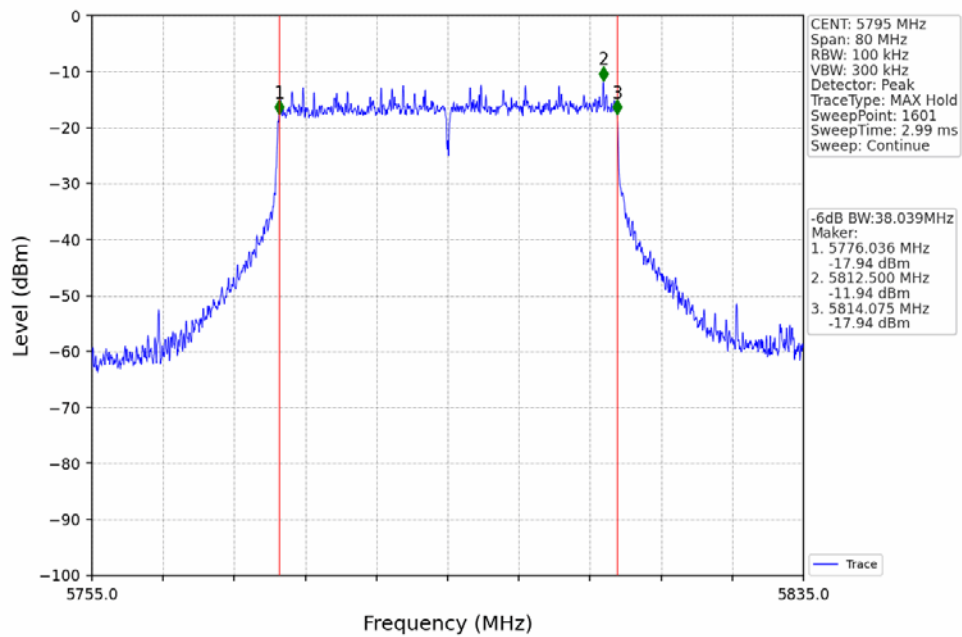
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	1.10	<=30	Pass
		5785	/	/	-1.06	<=30	Pass
		5825	/	/	1.87	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	0.10	<=30	Pass
		5785	/	/	0.63	<=30	Pass
		5825	/	/	1.86	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	0.35	<=30	Pass
		5795	/	/	1.20	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	0.33	<=30	Pass
		5785	/	/	1.02	<=30	Pass
		5825	/	/	1.98	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	0.80	<=30	Pass
		5795	/	/	1.31	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1.11	<=30	Pass
		5785	RU242	Left	2.23	<=30	Pass
		5825	RU242	Left	2.83	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1.22	<=30	Pass
		5795	RU484	Left	2.16	<=30	Pass

Note1: Antenna Gain: Ant1: 2.99dBi;

4. Maximum Power Spectral Density

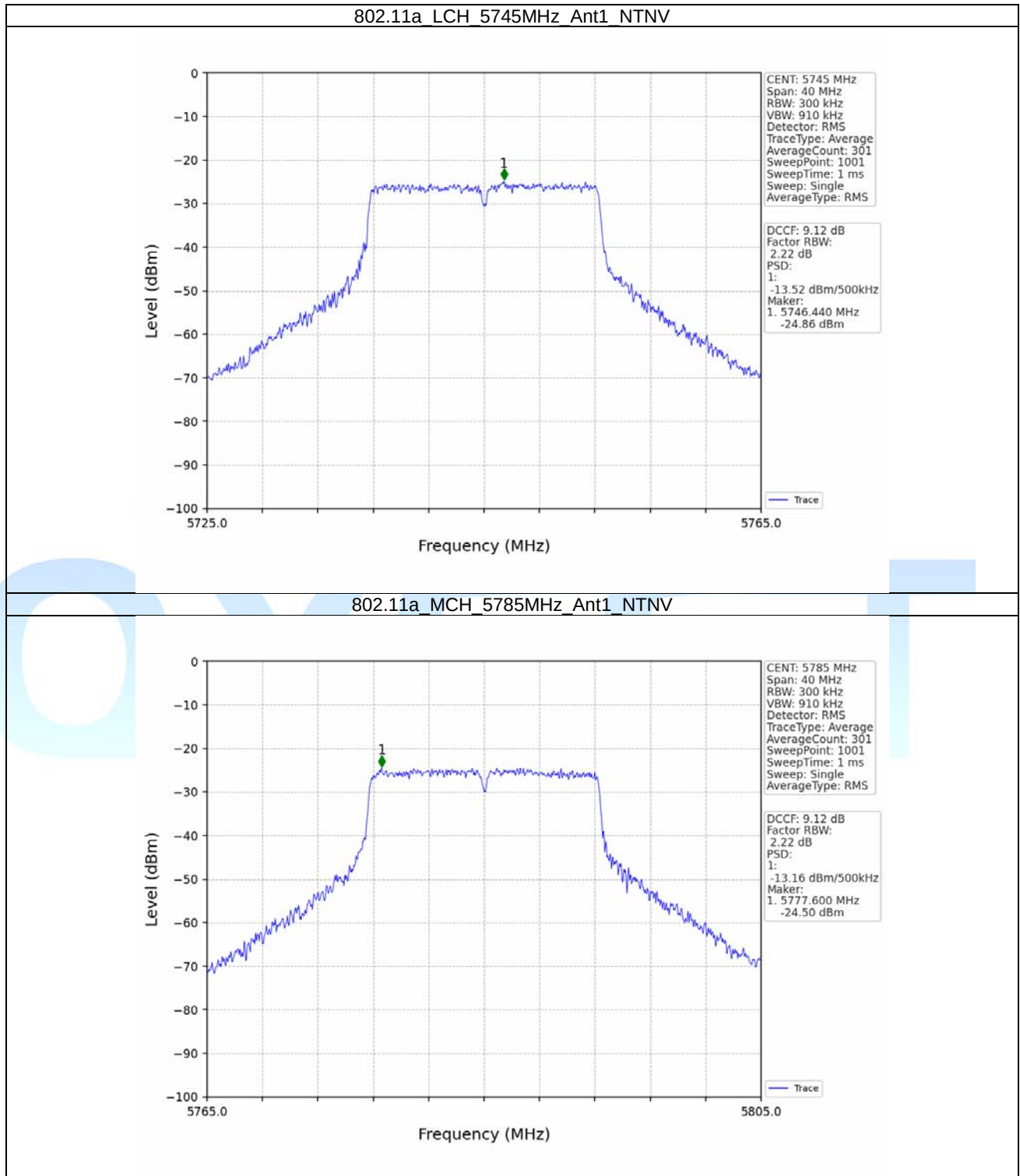
4.1 Test Result

4.1.1 PSD-Band3

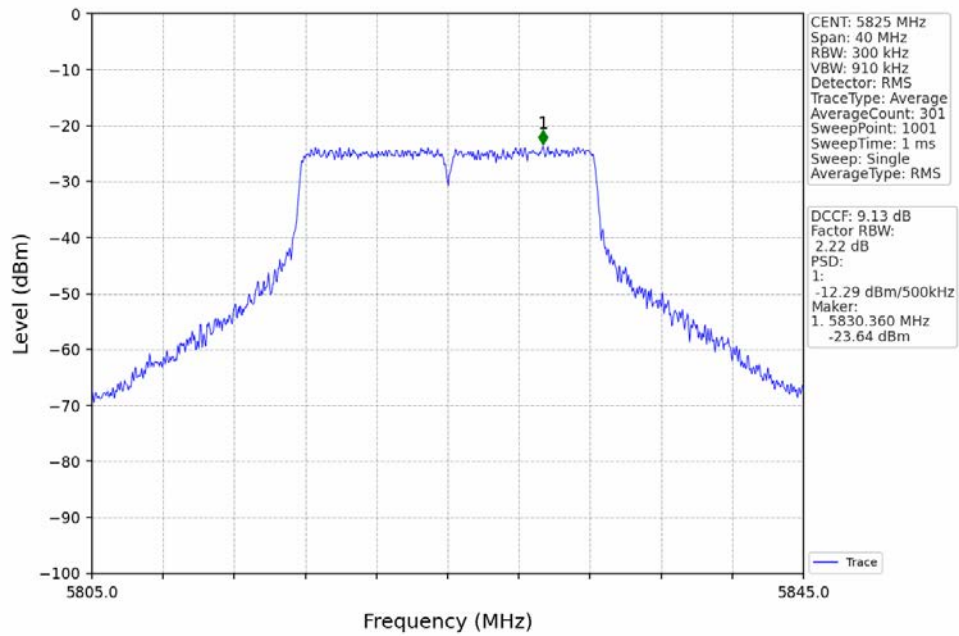
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-13.52	<=30	Pass
		5785	/	/	-13.16	<=30	Pass
		5825	/	/	-12.29	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-14.65	<=30	Pass
		5785	/	/	-13.81	<=30	Pass
		5825	/	/	-12.83	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-17.09	<=30	Pass
		5795	/	/	-15.91	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-14.06	<=30	Pass
		5785	/	/	-13.73	<=30	Pass
		5825	/	/	-11.98	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-16.89	<=30	Pass
		5795	/	/	-15.84	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	-13.70	<=30	Pass
		5785	RU242	Left	-12.31	<=30	Pass
		5825	RU242	Left	-11.56	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-15.68	<=30	Pass
		5795	RU484	Left	-14.82	<=30	Pass
Note1: Antenna Gain: Ant1: 2.99dBi;							
Note2: Test result contains DCCF and RBW Factor(=10*log(500kHz/300kHz)=2.22)							

4.2 Test Graph

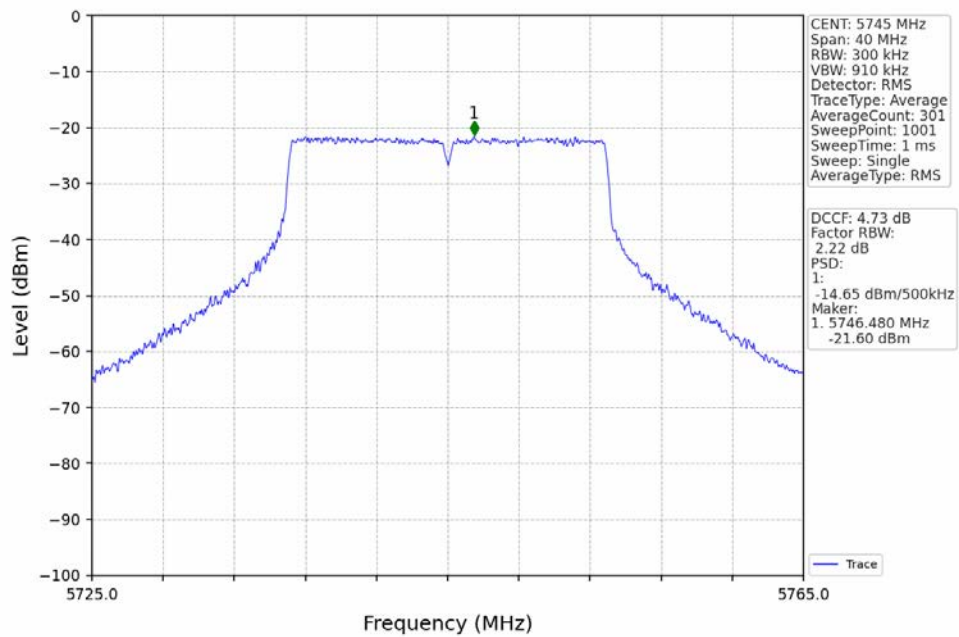
4.2.1 PSD-Band3



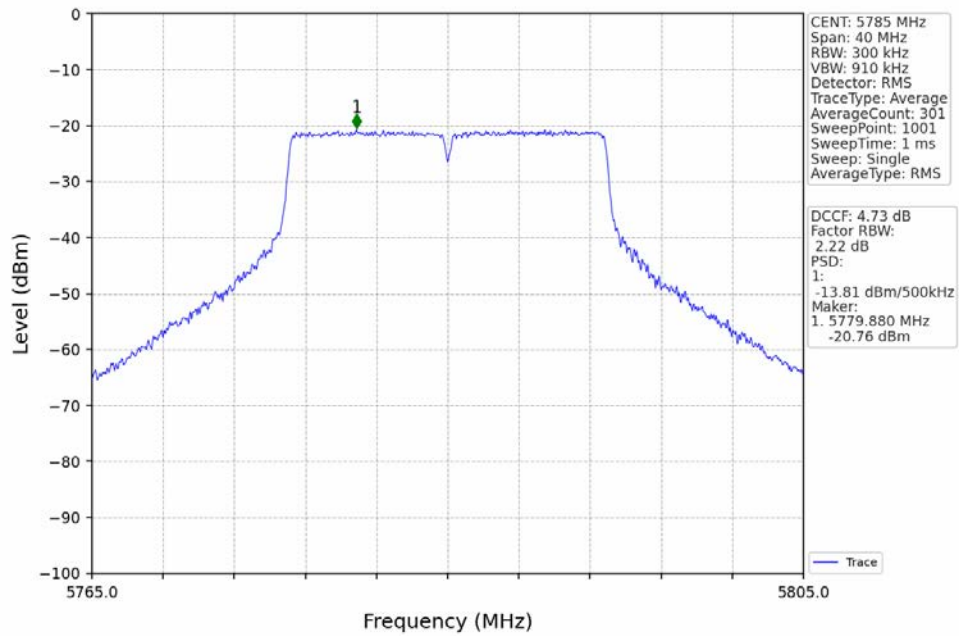
802.11a_HCH_5825MHz_Ant1_NTNV



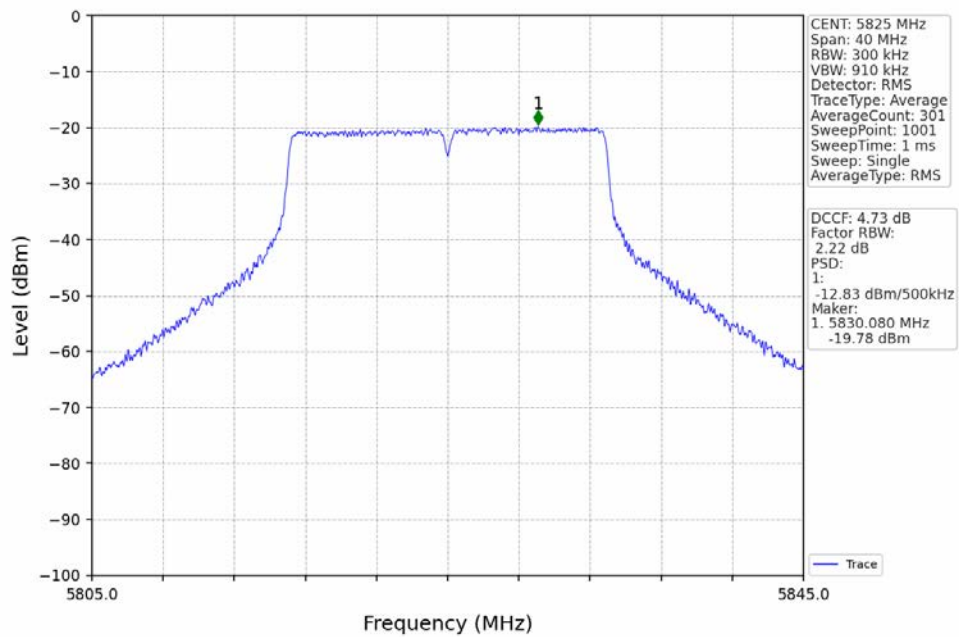
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



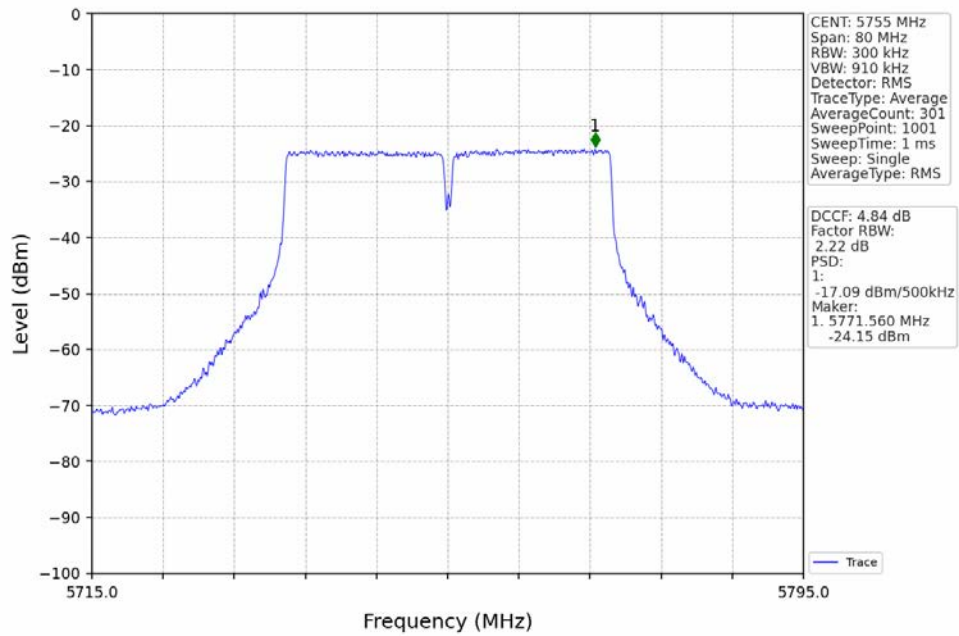
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



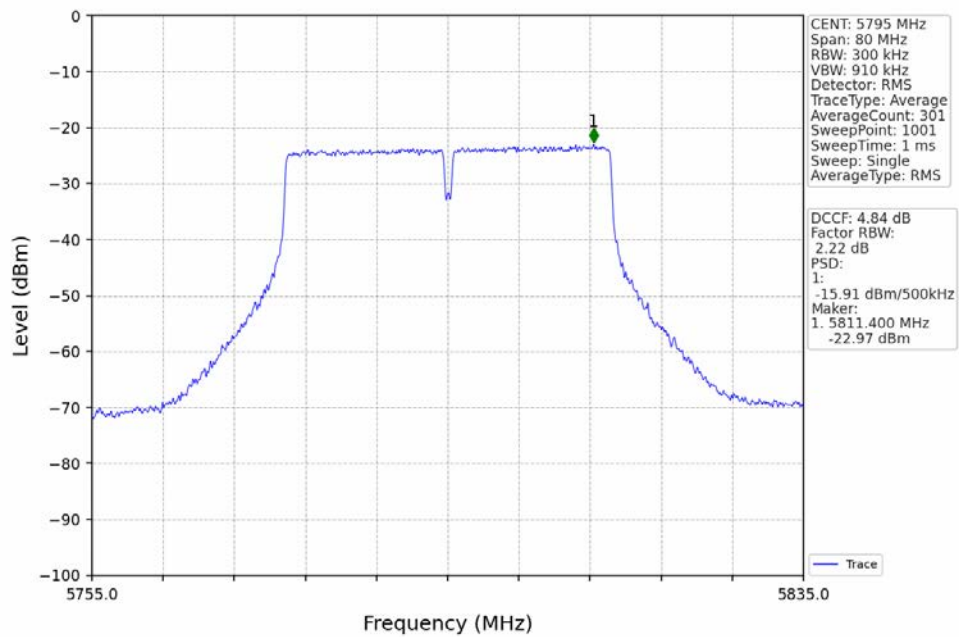
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



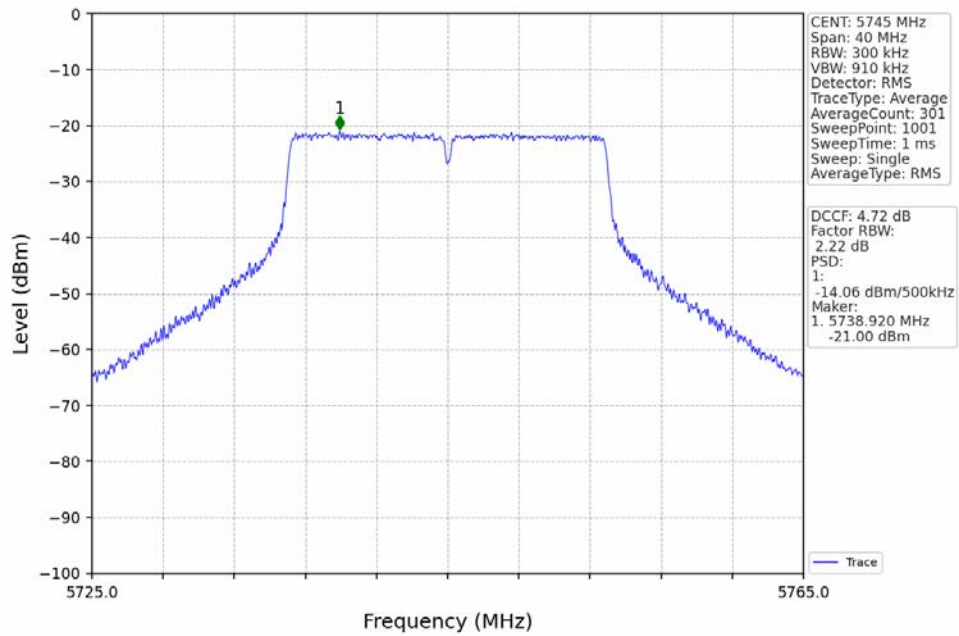
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



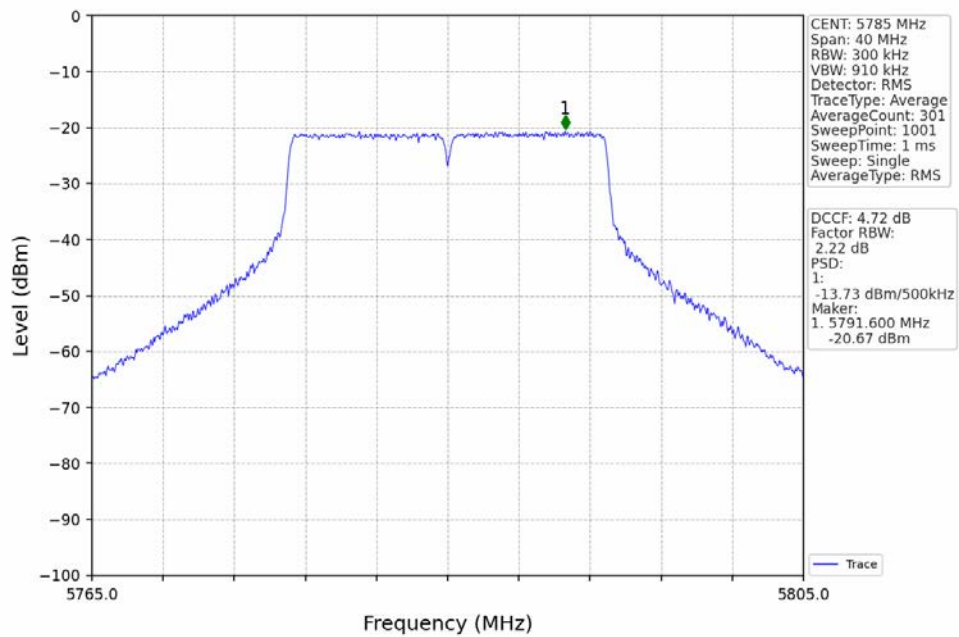
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



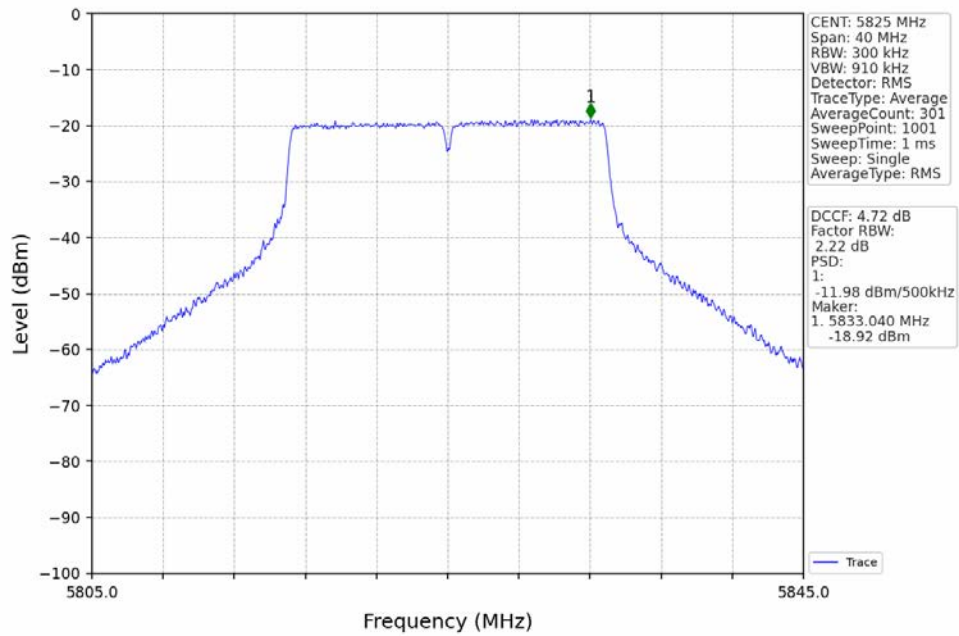
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



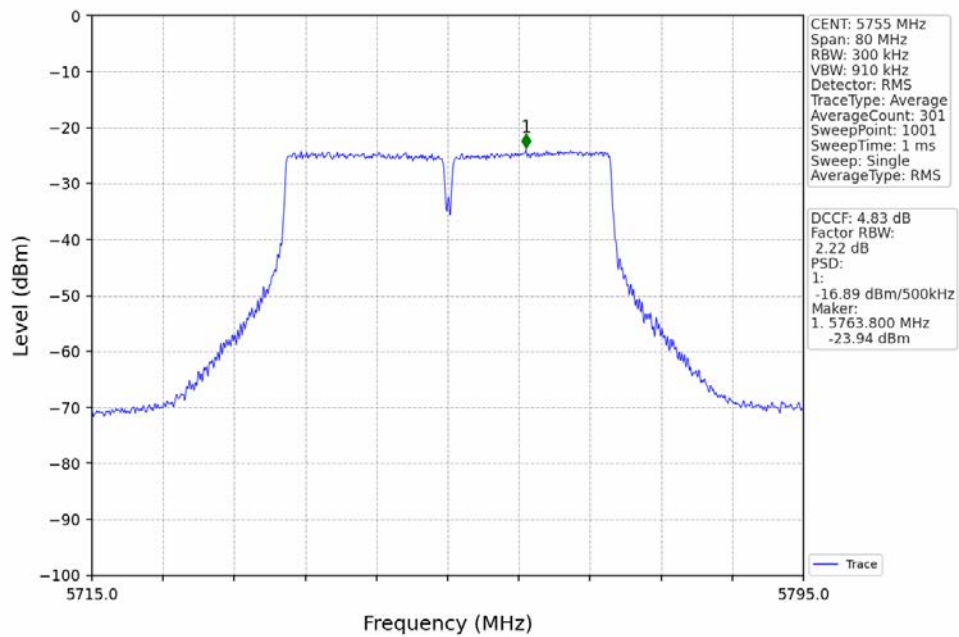
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



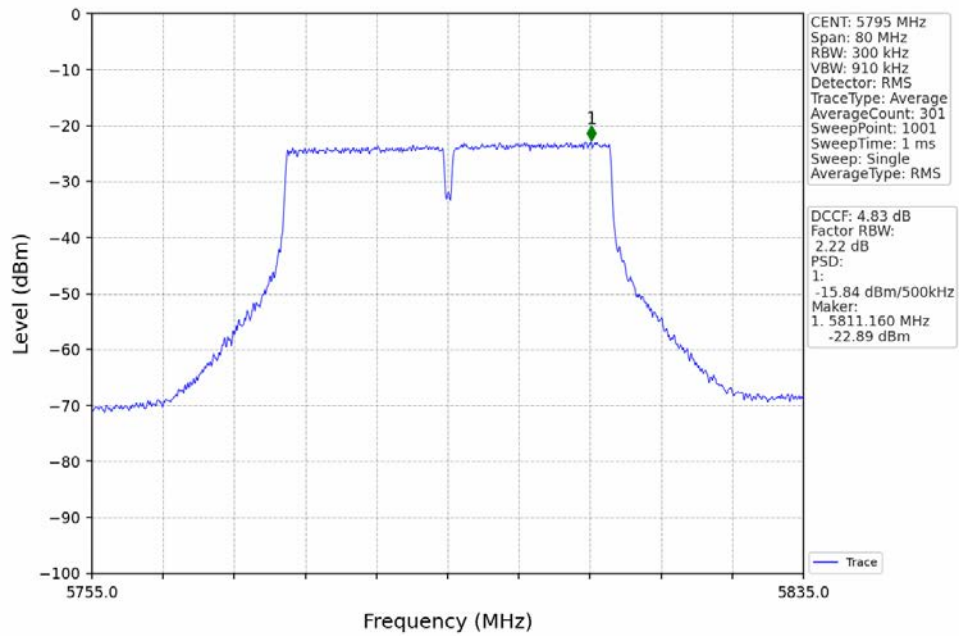
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



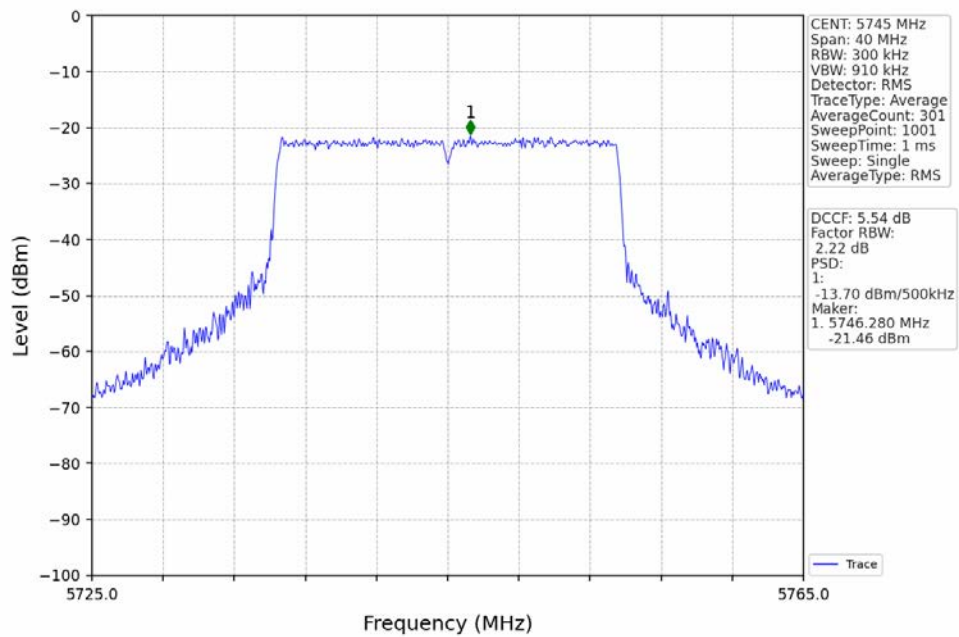
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



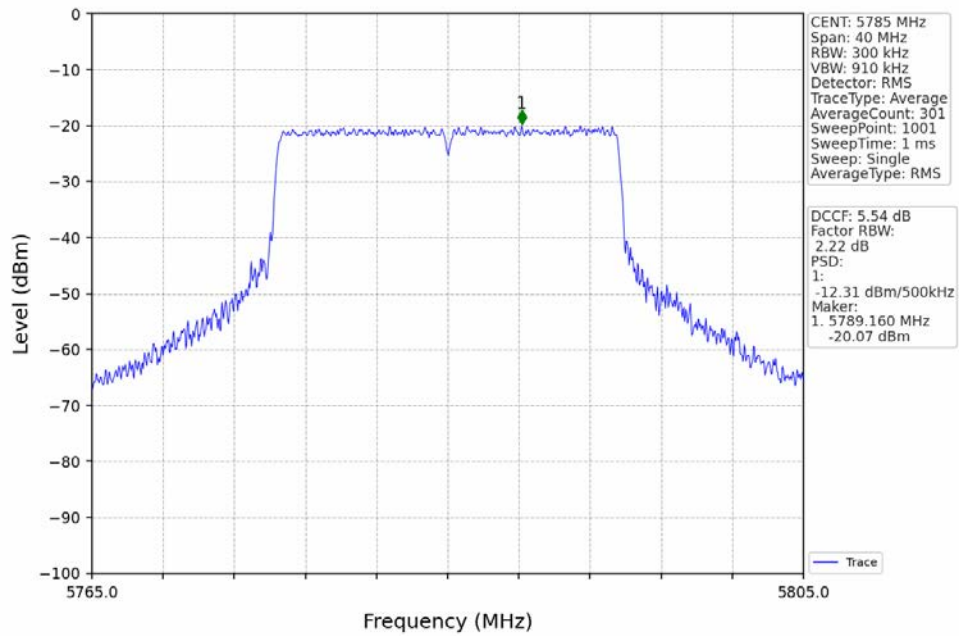
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



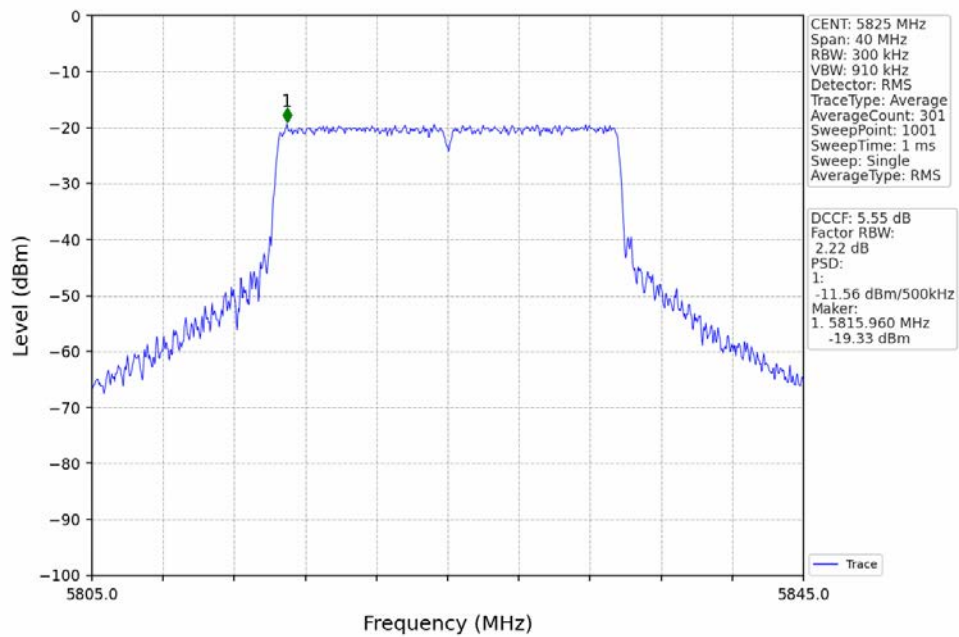
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



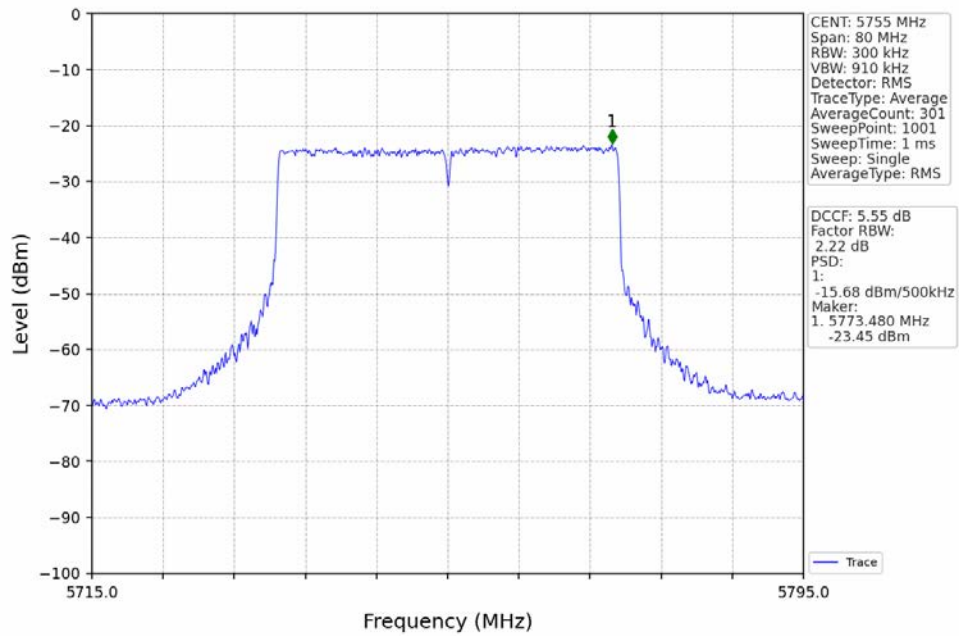
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



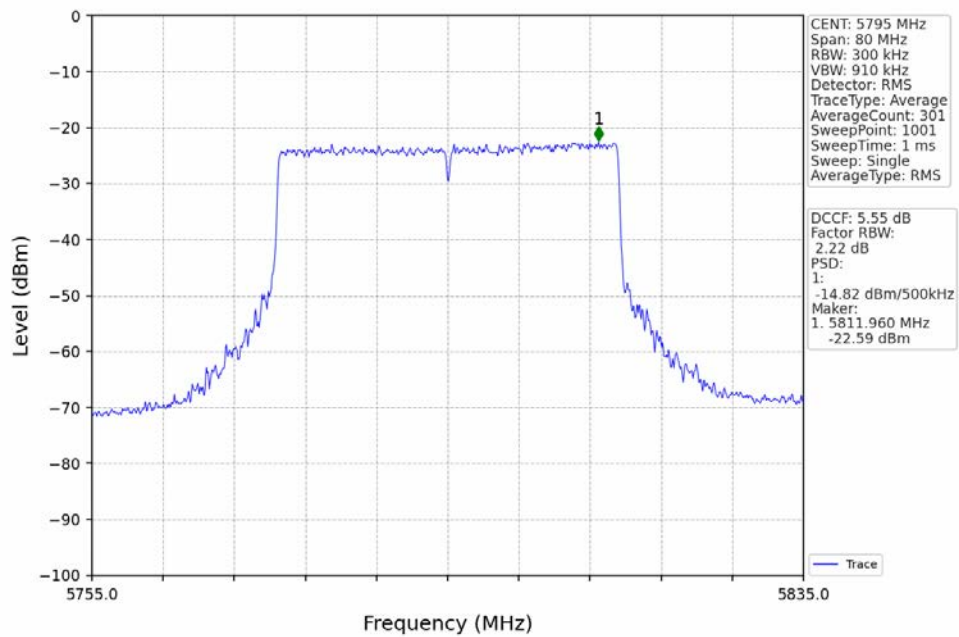
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

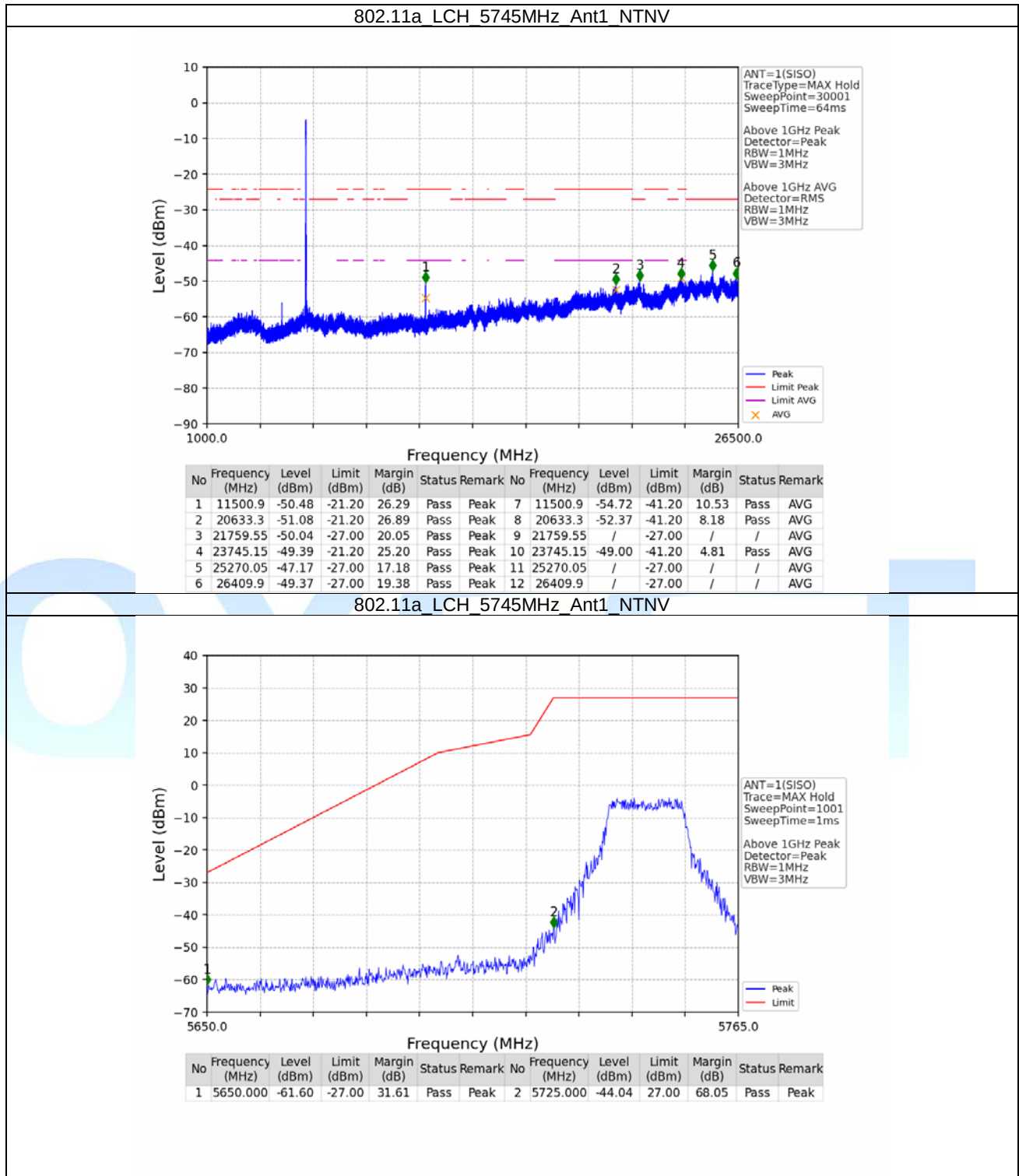
5.1 Test Result

5.1.1 RSE

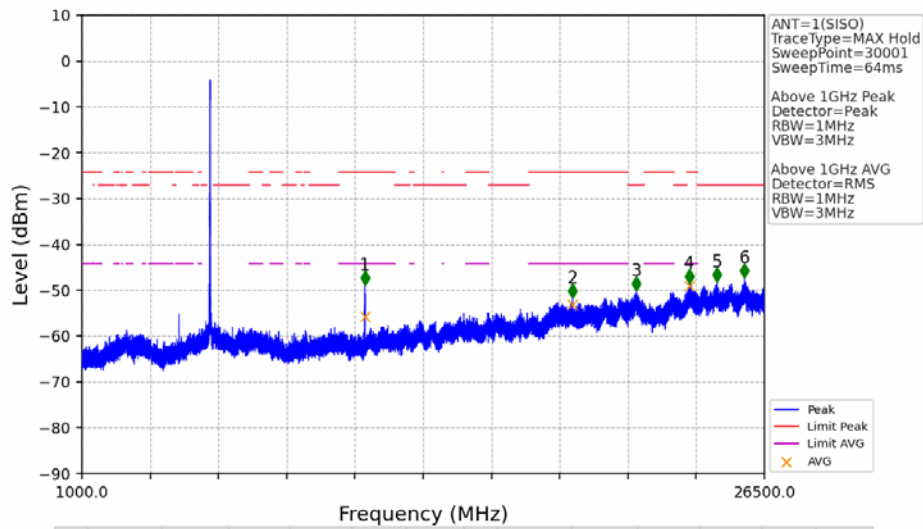
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT40)	SISO	5755	/	/	1	Refer To Test Graph		Pass
		5795	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT20)	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11ac (VHT40)	SISO	5755	/	/	1	Refer To Test Graph		Pass
		5795	/	/	1	Refer To Test Graph		Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	Refer To Test Graph		Pass
		5785	RU242	Left	1	Refer To Test Graph		Pass
		5825	RU242	Left	1	Refer To Test Graph		Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	Refer To Test Graph		Pass
		5795	RU484	Left	1	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 RSE

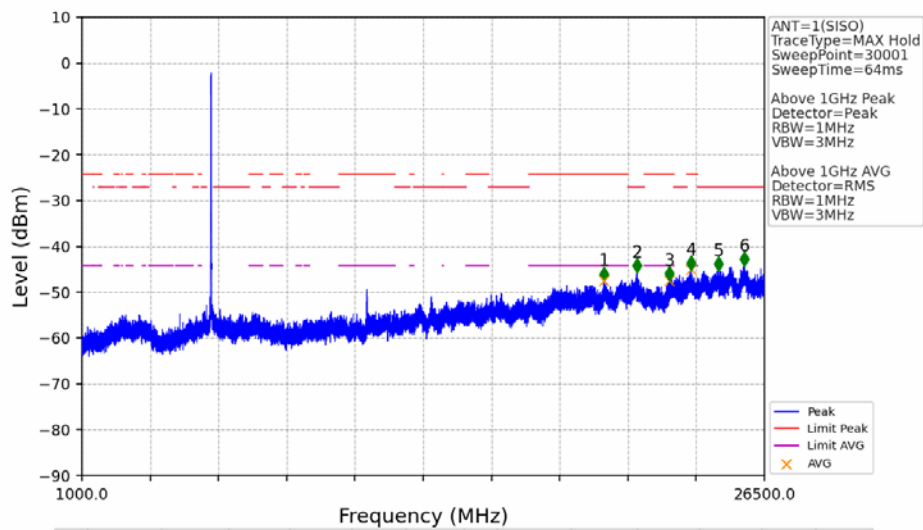


802.11a_MCH_5785MHz_Ant1_NTNV



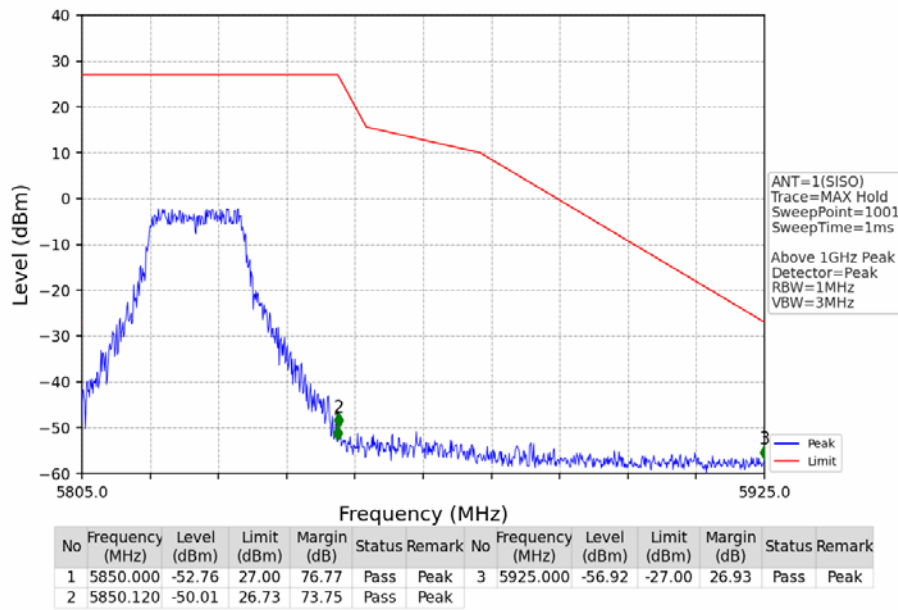
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	11569.75	-48.96	-21.20	24.77	Pass	Peak	7	11569.75	-55.73	-41.20	11.54	Pass	AVG
2	19335.35	-51.71	-21.20	27.52	Pass	Peak	8	19335.35	-53.22	-41.20	9.03	Pass	AVG
3	21716.2	-50.13	-27.00	20.14	Pass	Peak	9	21716.2	/	-27.00	/	/	AVG
4	23686.5	-48.62	-21.20	24.43	Pass	Peak	10	23686.5	-49.10	-41.20	4.91	Pass	AVG
5	24734.55	-48.16	-27.00	18.17	Pass	Peak	11	24734.55	/	-27.00	/	/	AVG
6	25757.1	-47.37	-27.00	17.38	Pass	Peak	12	25757.1	/	-27.00	/	/	AVG

802.11a_HCH_5825MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20508.35	-47.60	-21.20	23.41	Pass	Peak	7	20508.35	-47.52	-41.20	3.33	Pass	AVG
2	21740.85	-45.72	-27.00	15.73	Pass	Peak	8	21740.85	/	-27.00	/	/	AVG
3	22934.25	-47.51	-21.20	23.32	Pass	Peak	9	22934.25	-47.46	-41.20	3.27	Pass	AVG
4	23768.1	-45.25	-21.20	21.06	Pass	Peak	10	23768.1	-45.11	-41.20	0.92	Pass	AVG
5	24769.4	-45.39	-27.00	15.40	Pass	Peak	11	24769.4	/	-27.00	/	/	AVG
6	25745.2	-44.34	-27.00	14.35	Pass	Peak	12	25745.2	/	-27.00	/	/	AVG

802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV

