

1. Duty Cycle

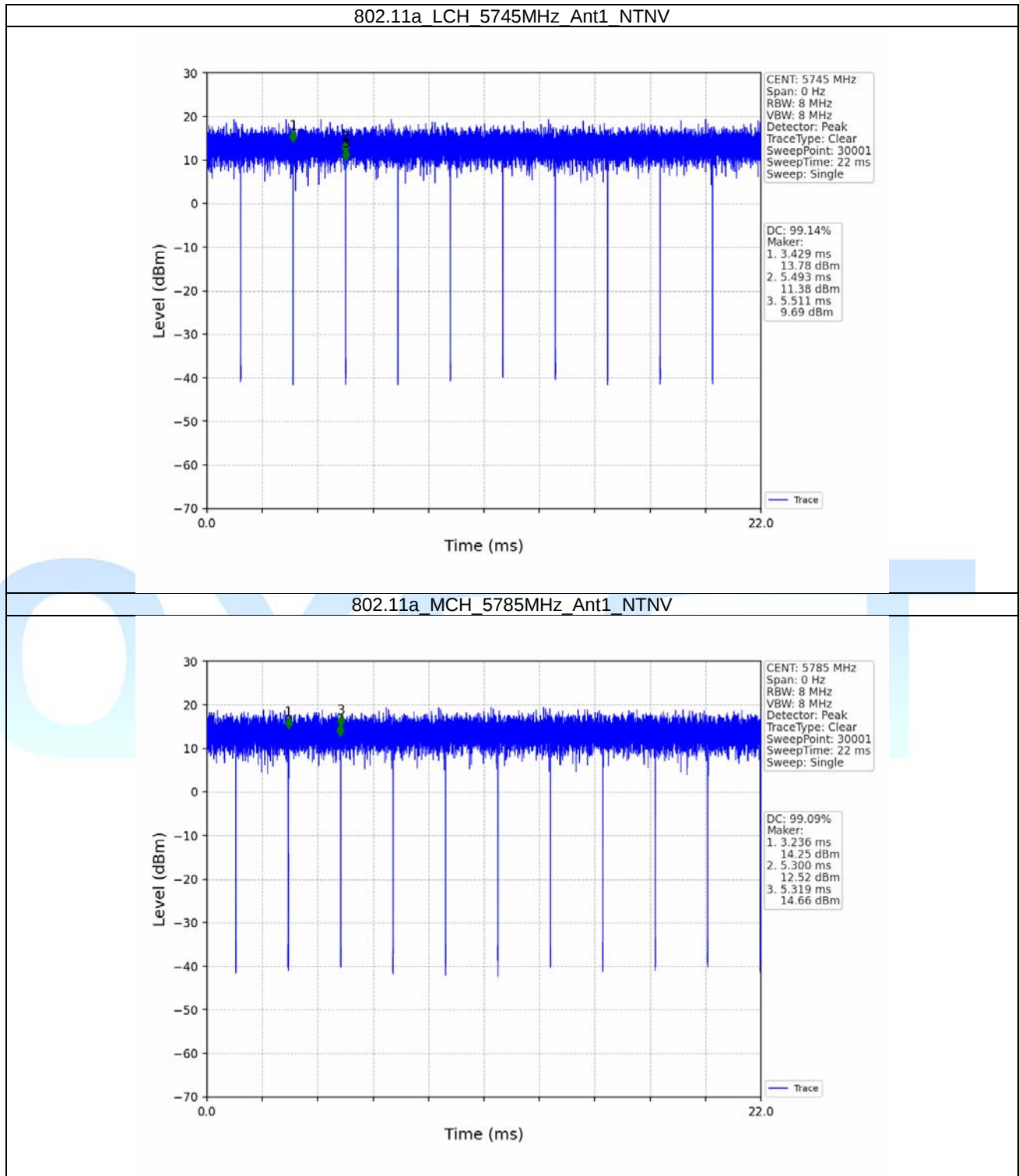
1.1 Test Result

1.1.1 Ant1

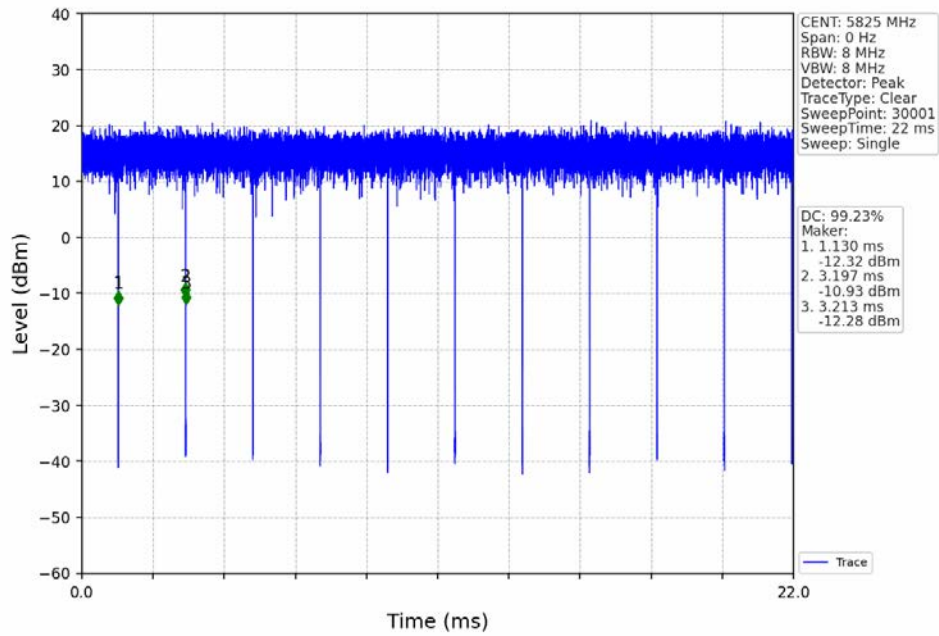
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	/	/	2.064	2.082	99.14	0.04	0.04
		5785	/	/	2.064	2.083	99.09	0.04	0.04
		5825	/	/	2.067	2.083	99.23	0.03	0.04
802.11n (HT20)	SISO	5745	/	/	1.920	1.938	99.07	0.04	0.03
		5785	/	/	1.920	1.938	99.07	0.04	0.03
		5825	/	/	1.920	1.939	99.02	0.04	0.07
802.11n (HT40)	SISO	5755	/	/	1.539	1.556	98.91	0.05	0.03
		5795	/	/	1.539	1.555	98.97	0.04	0.03
802.11ac (VHT20)	SISO	5745	/	/	1.316	1.415	93.00	0.32	0.03
		5785	/	/	1.316	1.415	93.00	0.32	0.03
		5825	/	/	1.316	1.415	93.00	0.32	0.07
802.11ac (VHT40)	SISO	5755	/	/	1.546	1.562	98.98	0.04	0.00
		5795	/	/	1.547	1.563	98.98	0.04	0.03
802.11ac (VHT80)	SISO	5775	/	/	2.243	2.259	99.29	0.03	0.00
802.11ax (HEW20)	SISO	5745	RU242	Left	3.815	3.832	99.56	0.02	0.03
		5785	RU242	Left	3.815	3.832	99.56	0.02	0.03
		5825	RU242	Left	3.814	3.832	99.53	0.02	0.03
802.11ax (HEW40)	SISO	5755	RU484	Left	1.241	1.267	97.95	0.09	0.03
		5795	RU484	Left	1.242	1.268	97.95	0.09	0.03
802.11ax (HEW80)	SISO	5775	RU996	Left	0.169	0.187	90.37	0.44	0.10

1.2 Test Graph

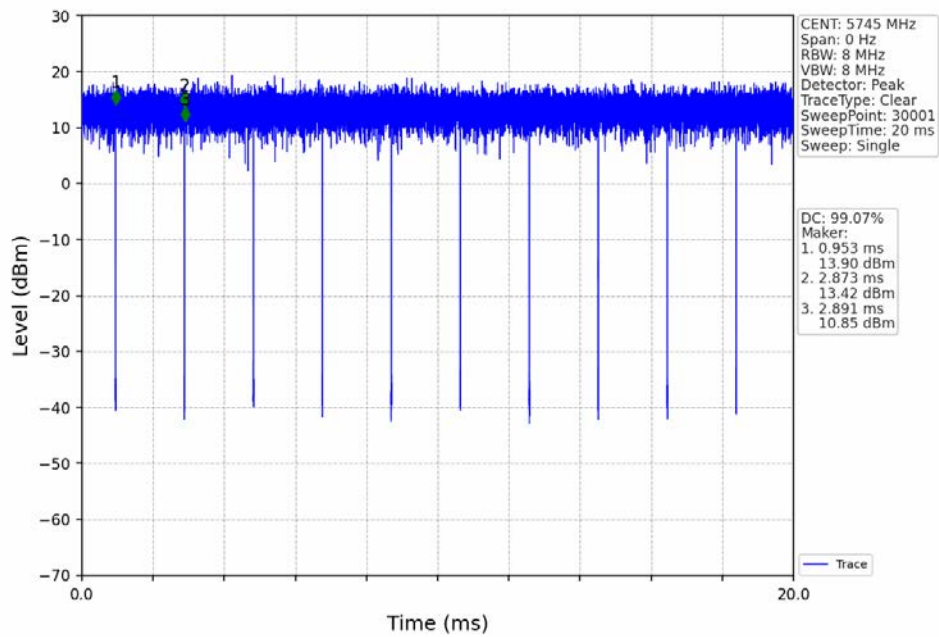
1.2.1 Ant1



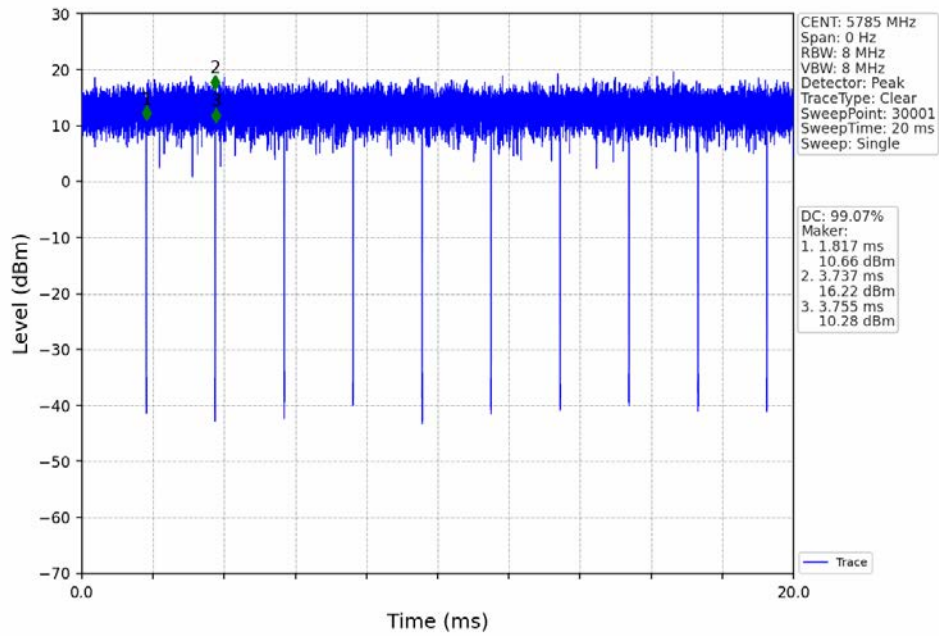
802.11a_HCH_5825MHz_Ant1_NTNV



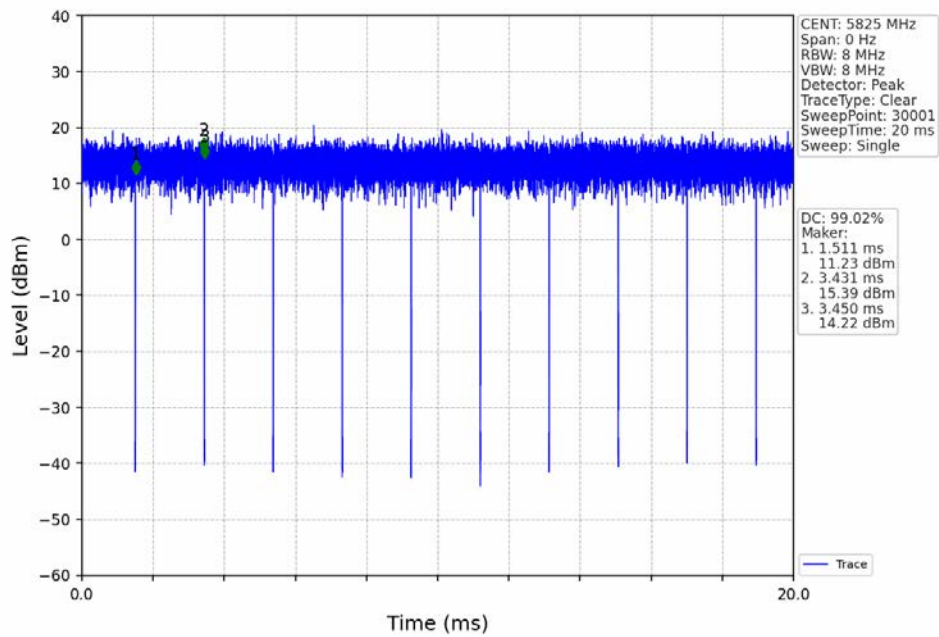
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



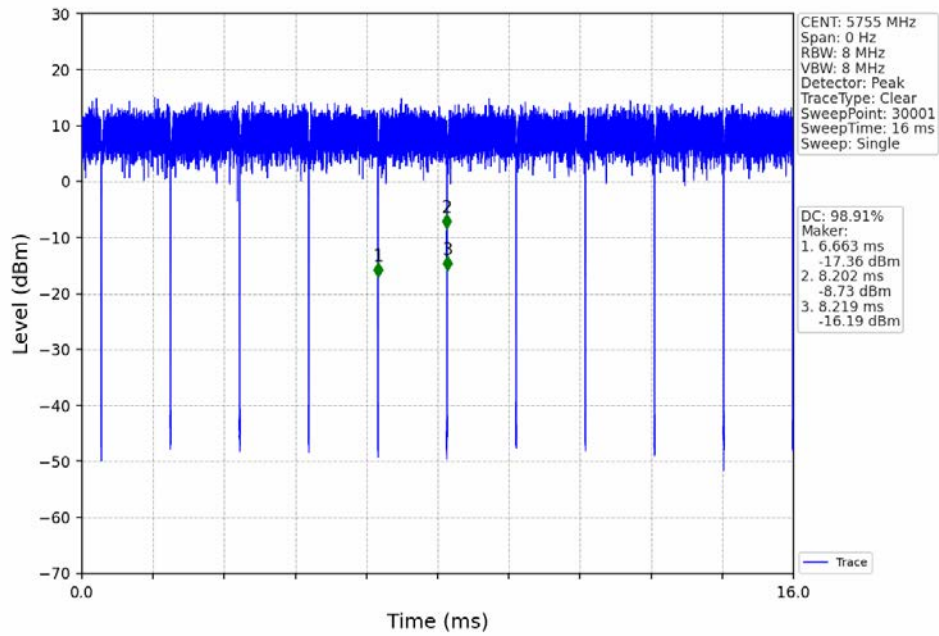
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



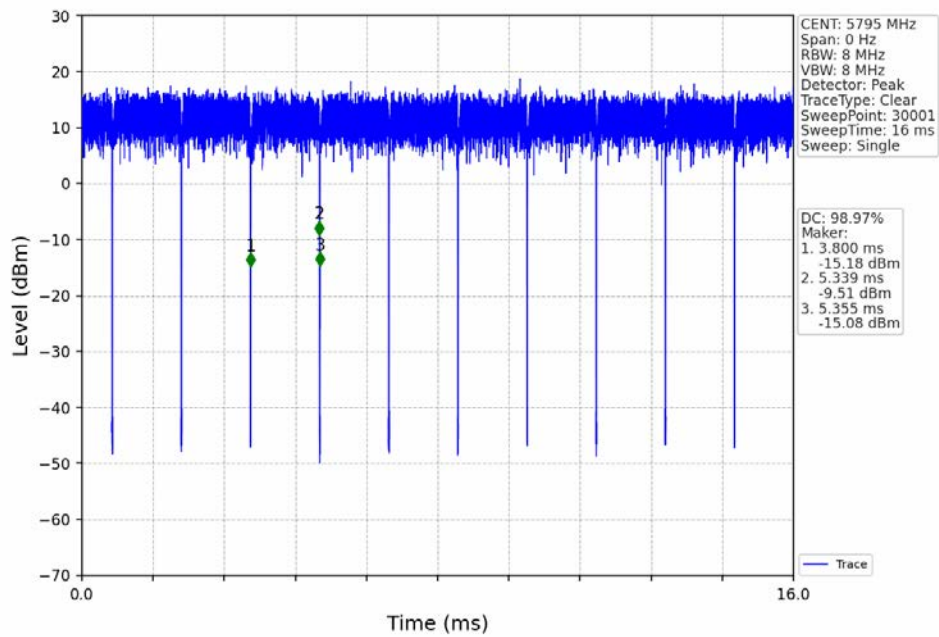
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



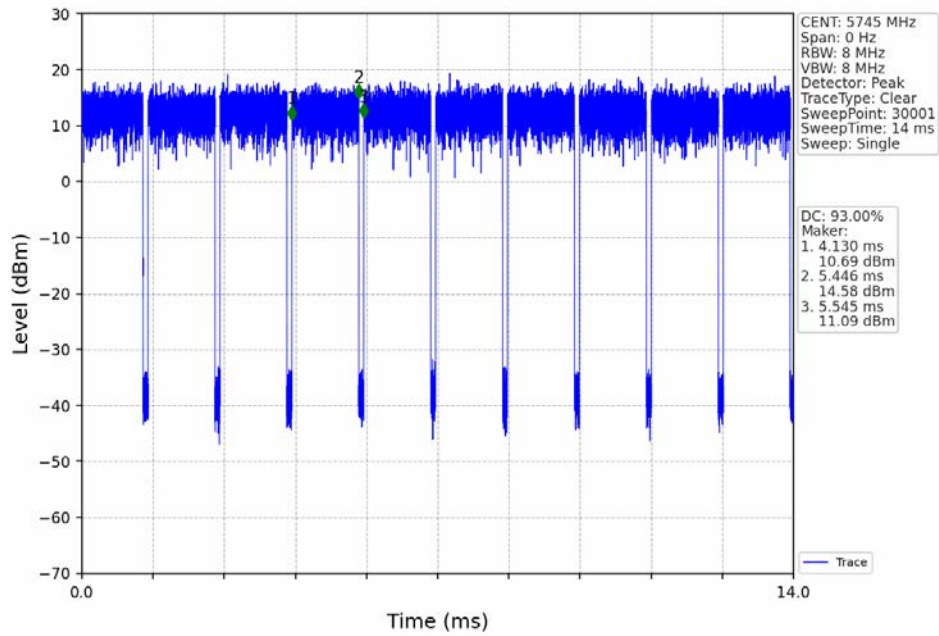
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



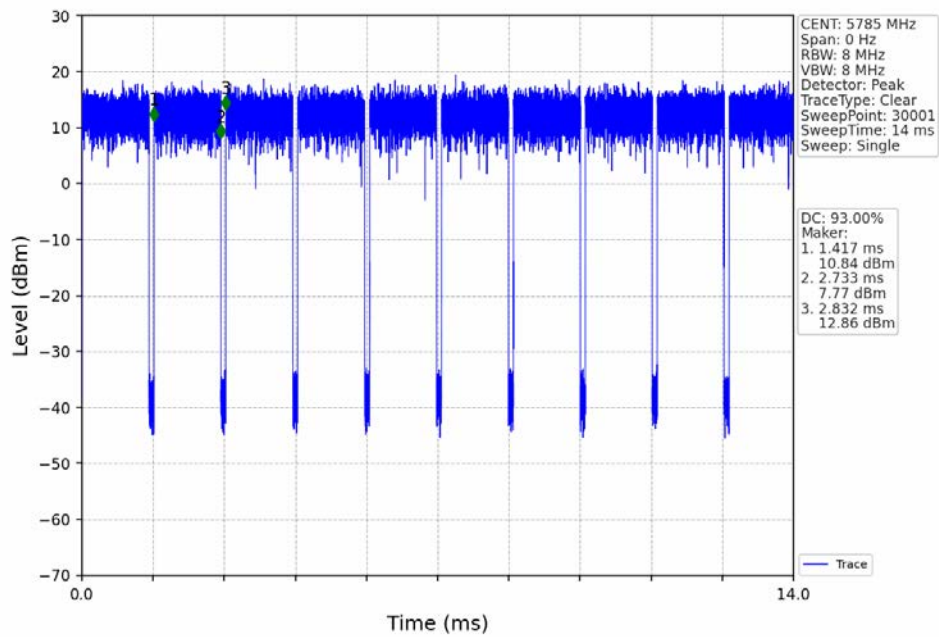
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



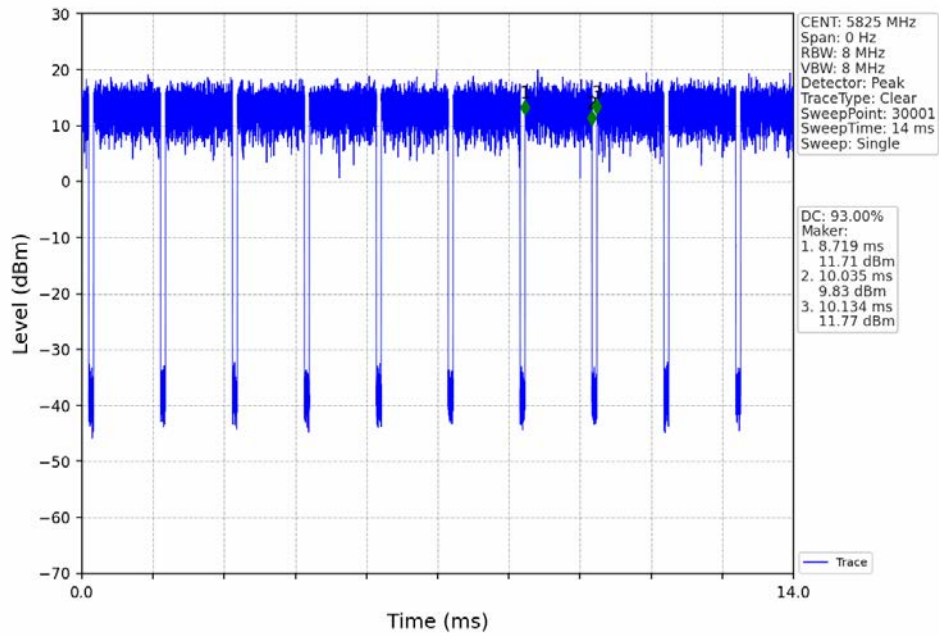
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



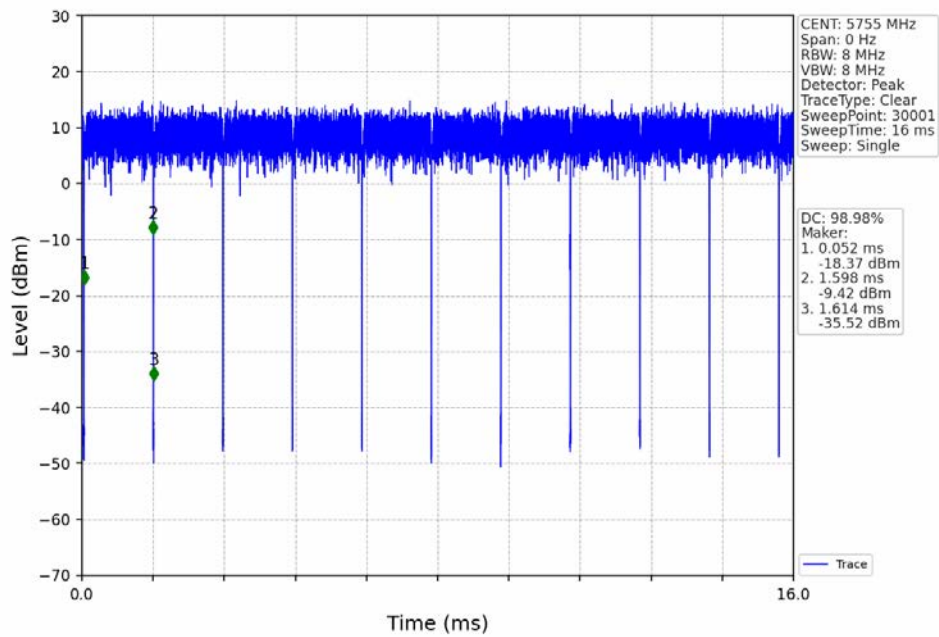
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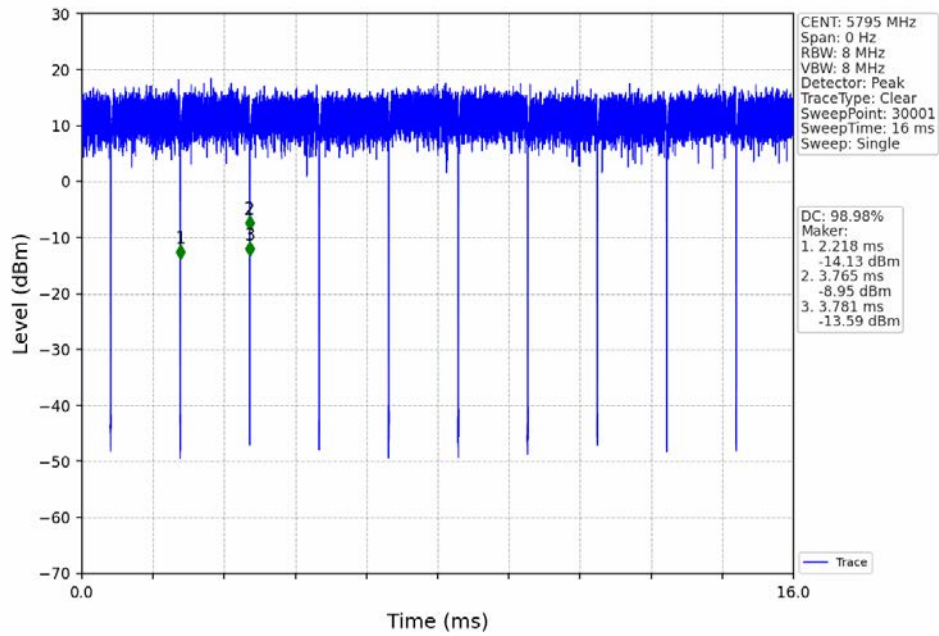
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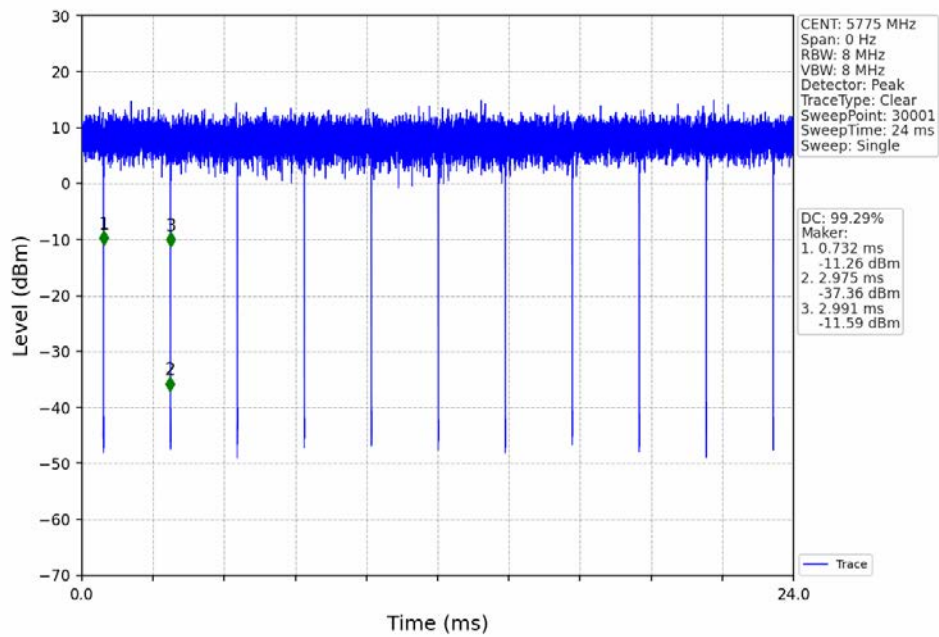
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



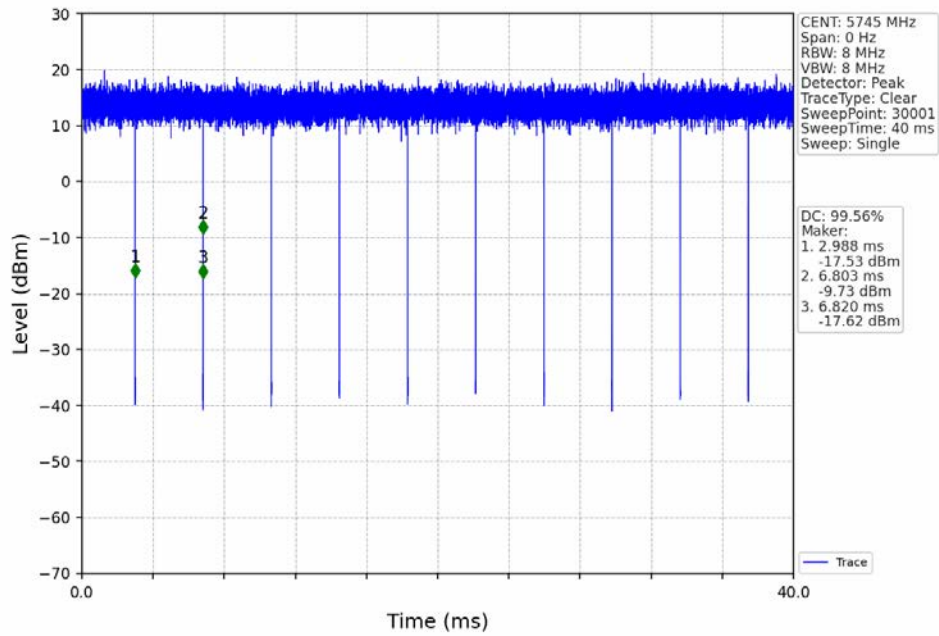
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



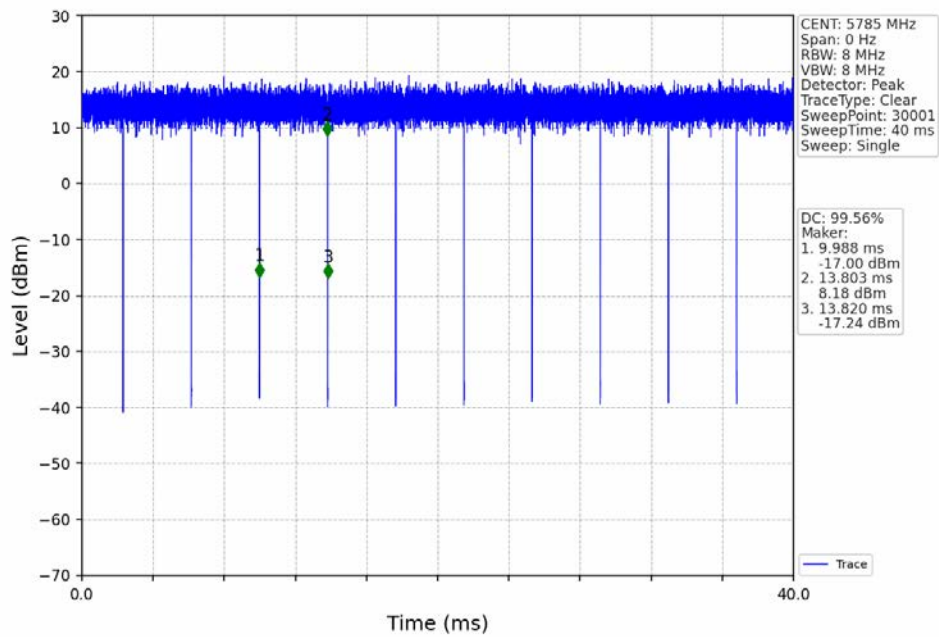
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



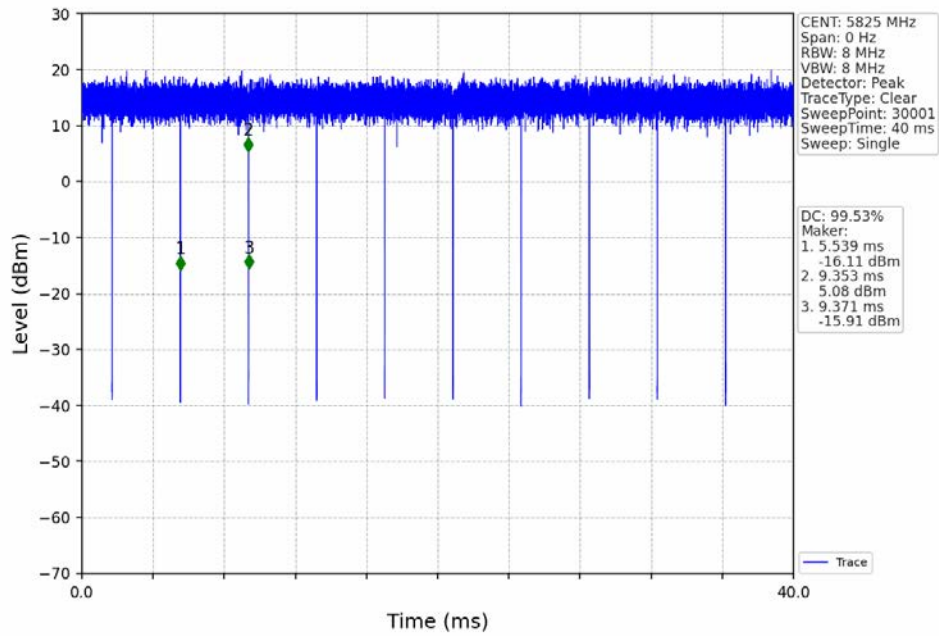
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



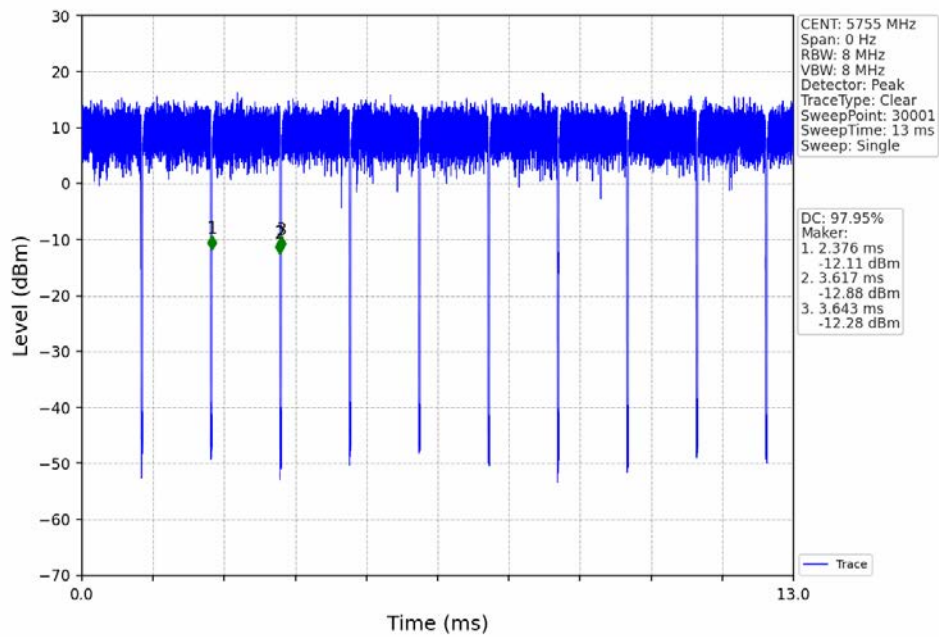
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



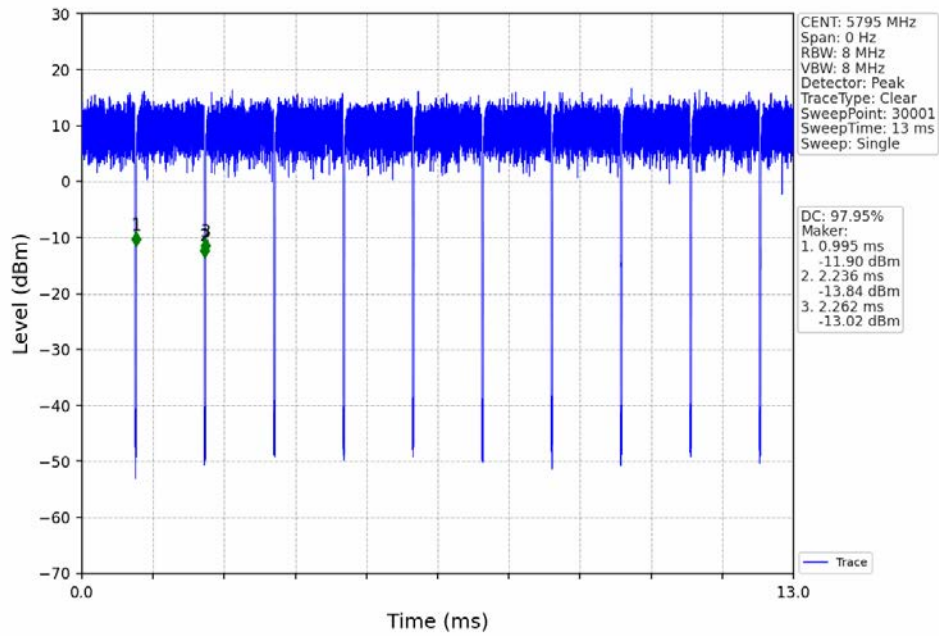
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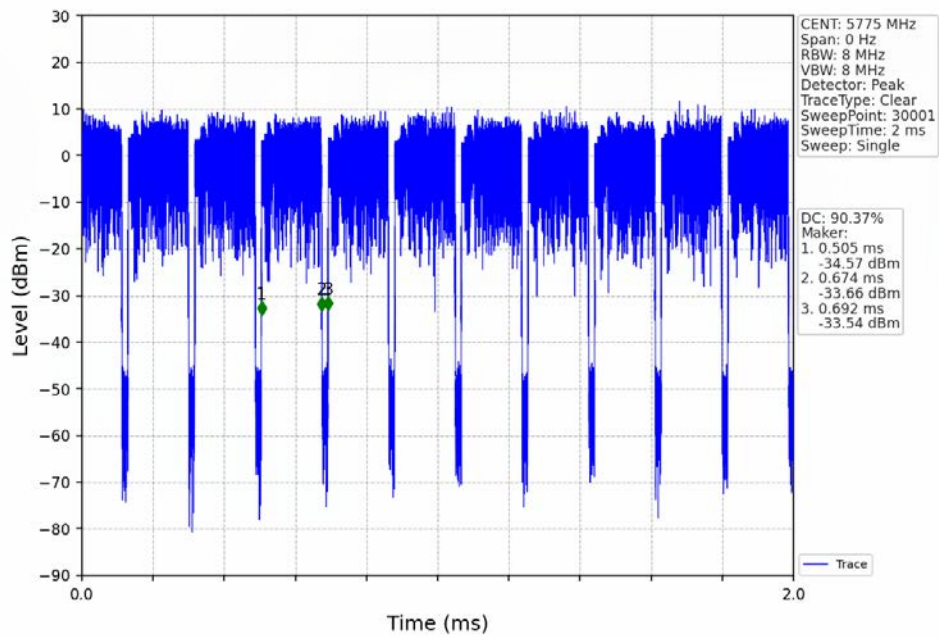
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_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	17.238	/	Pass
		5785	/	/	1	17.159	/	Pass
		5825	/	/	1	17.333	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	18.071	/	Pass
		5785	/	/	1	18.072	/	Pass
		5825	/	/	1	18.084	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.292	/	Pass
		5795	/	/	1	36.217	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	18.085	/	Pass
		5785	/	/	1	18.054	/	Pass
		5825	/	/	1	18.041	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.335	/	Pass
		5795	/	/	1	36.353	/	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.664	/	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	19.232	/	Pass
		5785	RU242	Left	1	19.203	/	Pass
		5825	RU242	Left	1	19.147	/	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	38.099	/	Pass
		5795	RU484	Left	1	38.065	/	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	1	77.958	/	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	15.205	>=0.5	Pass
		5785	/	/	1	15.179	>=0.5	Pass
		5825	/	/	1	15.199	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	15.240	>=0.5	Pass
		5785	/	/	1	15.208	>=0.5	Pass
		5825	/	/	1	15.206	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	35.218	>=0.5	Pass
		5795	/	/	1	35.186	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	15.256	>=0.5	Pass
		5785	/	/	1	15.250	>=0.5	Pass
		5825	/	/	1	15.206	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	35.257	>=0.5	Pass
		5795	/	/	1	35.202	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	/	/	1	75.233	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	17.915	>=0.5	Pass
		5785	RU242	Left	1	16.630	>=0.5	Pass
		5825	RU242	Left	1	18.035	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	37.463	>=0.5	Pass
		5795	RU484	Left	1	36.534	>=0.5	Pass
802.11ax	SISO	5775	RU996	Left	1	77.344	>=0.5	Pass

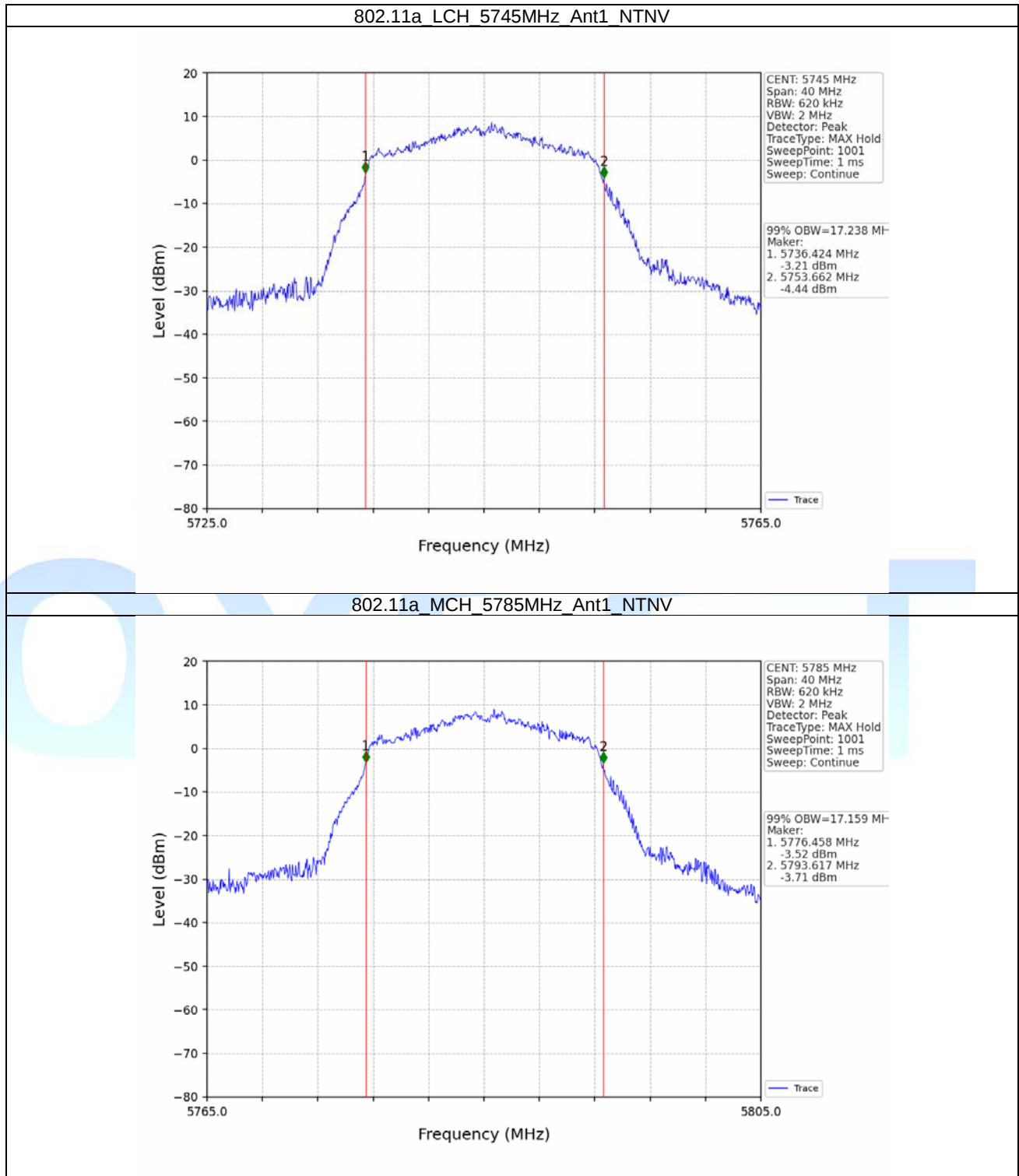


(HEW80)								
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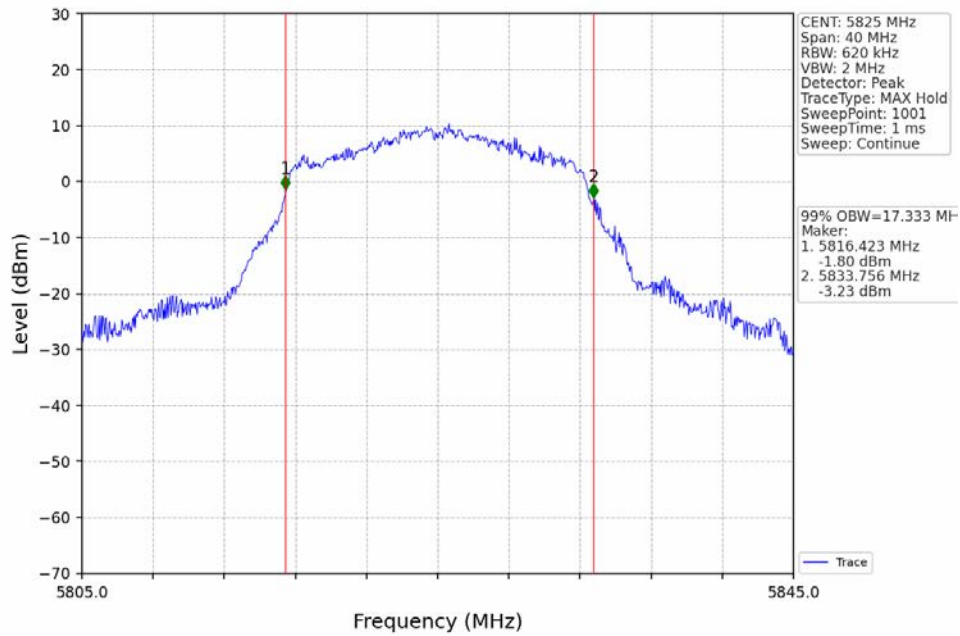


2.2 Test Graph

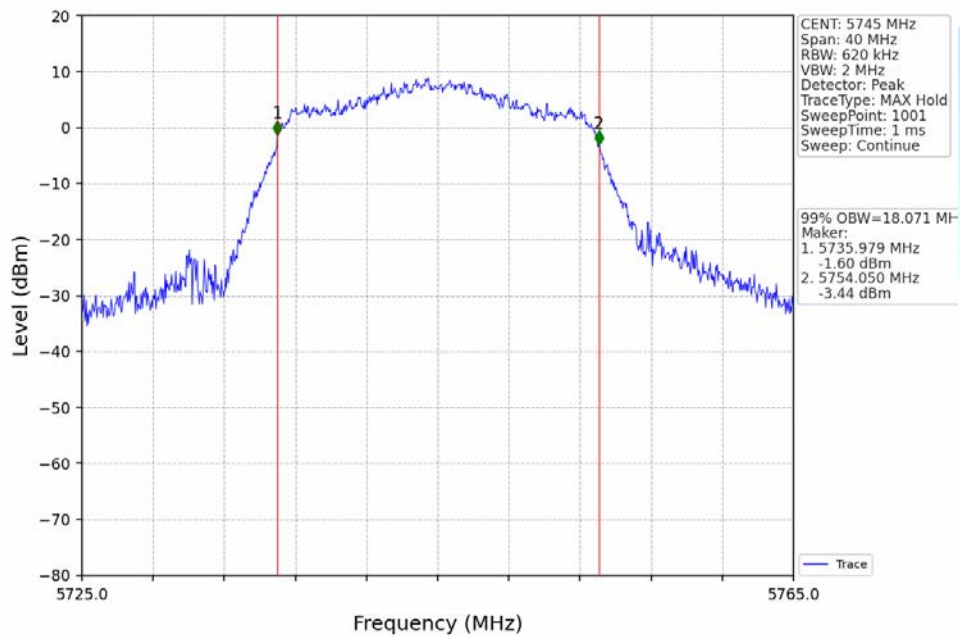
2.2.1 OBW



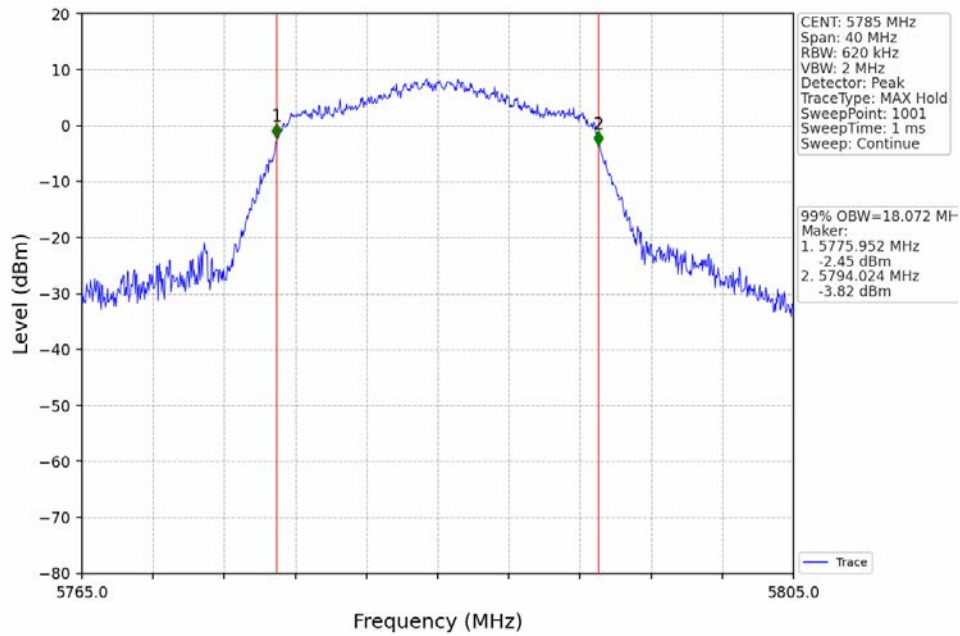
802.11a_HCH_5825MHz_Ant1_NTNV



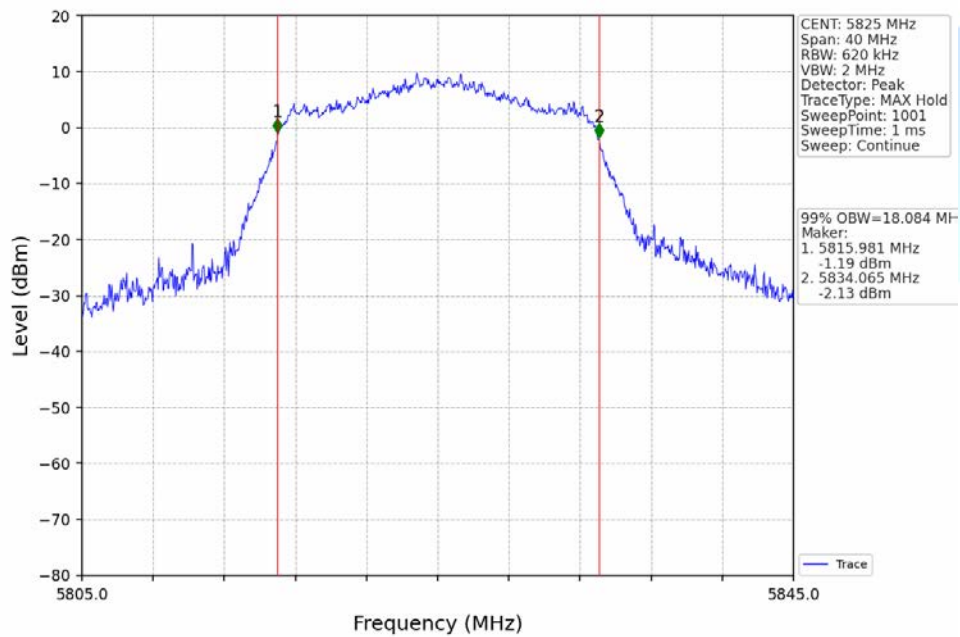
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



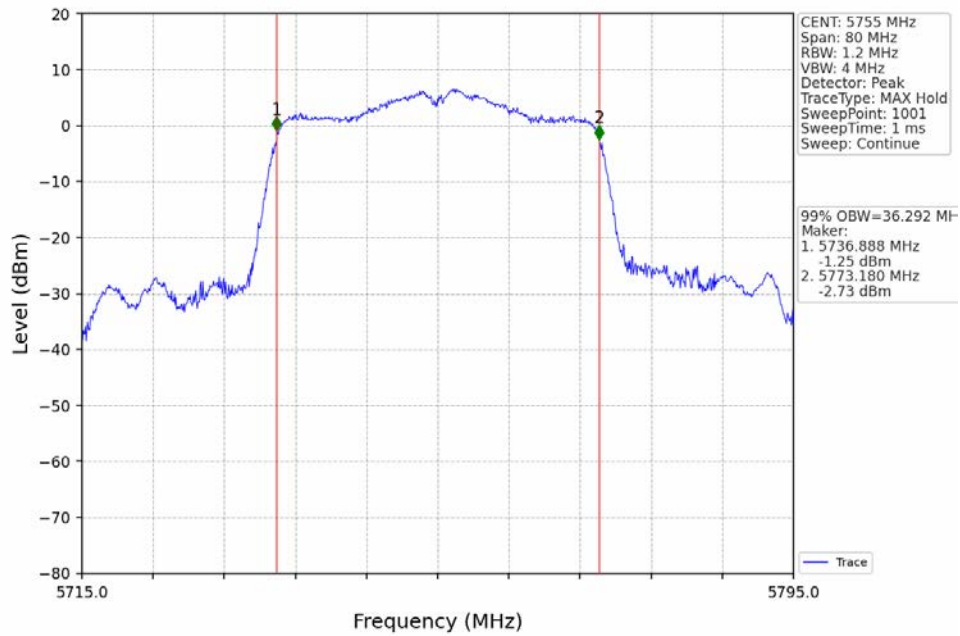
802.11n(HT20) MCH 5785MHz Ant1_NTNV



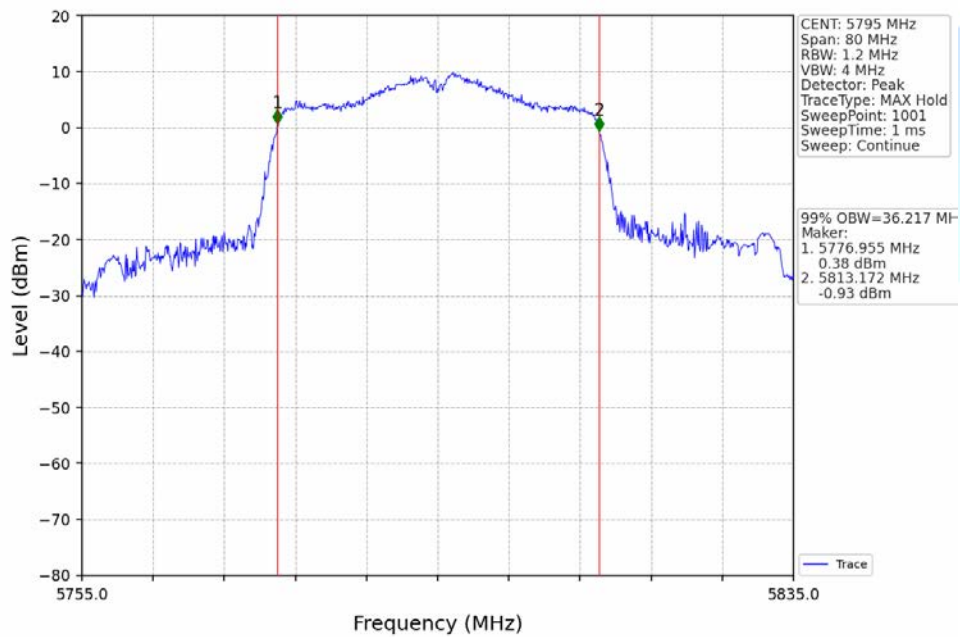
802.11n(HT20) HCH 5825MHz Ant1_NTNV



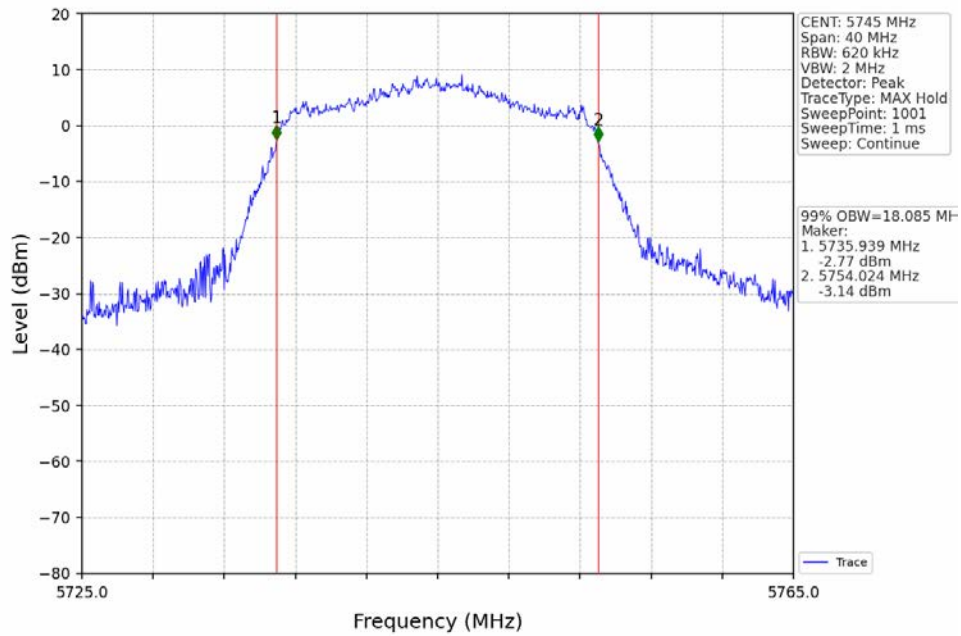
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



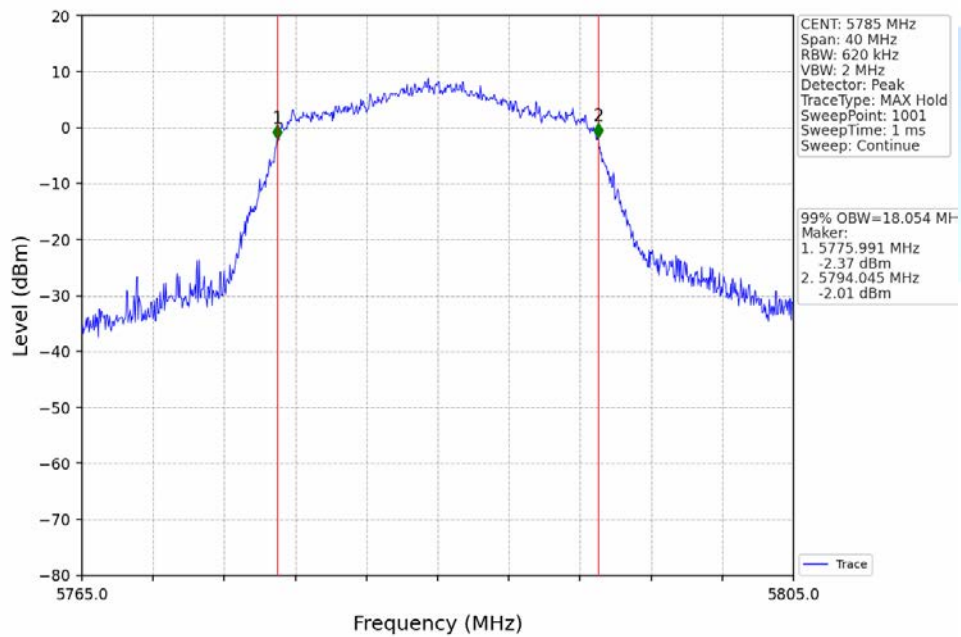
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



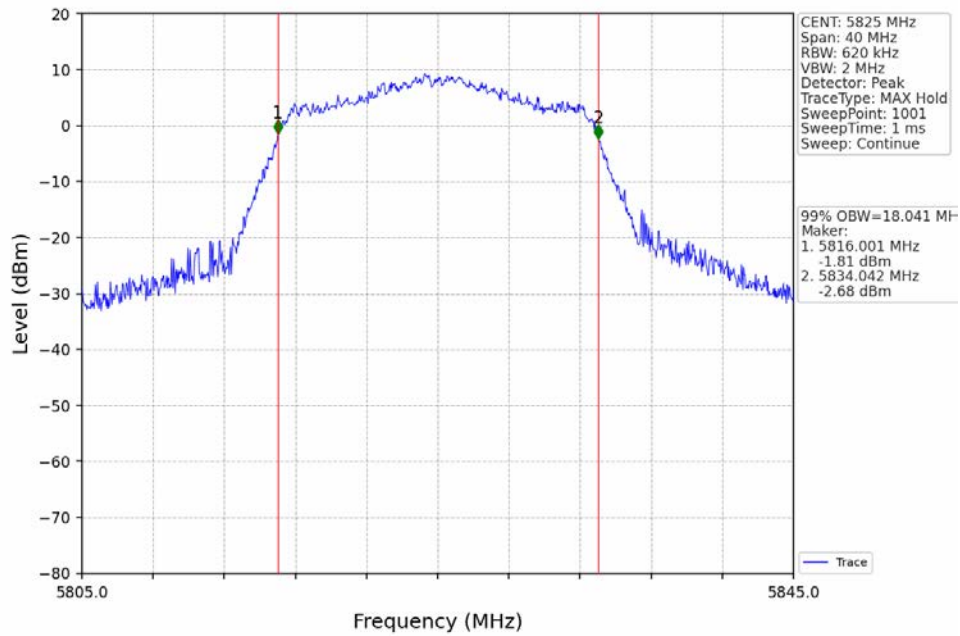
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



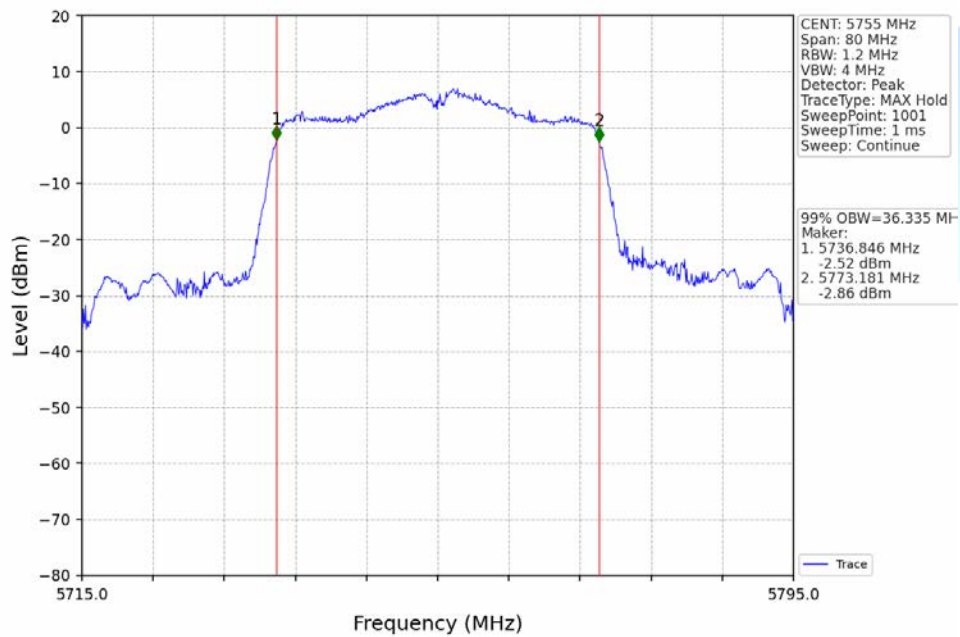
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



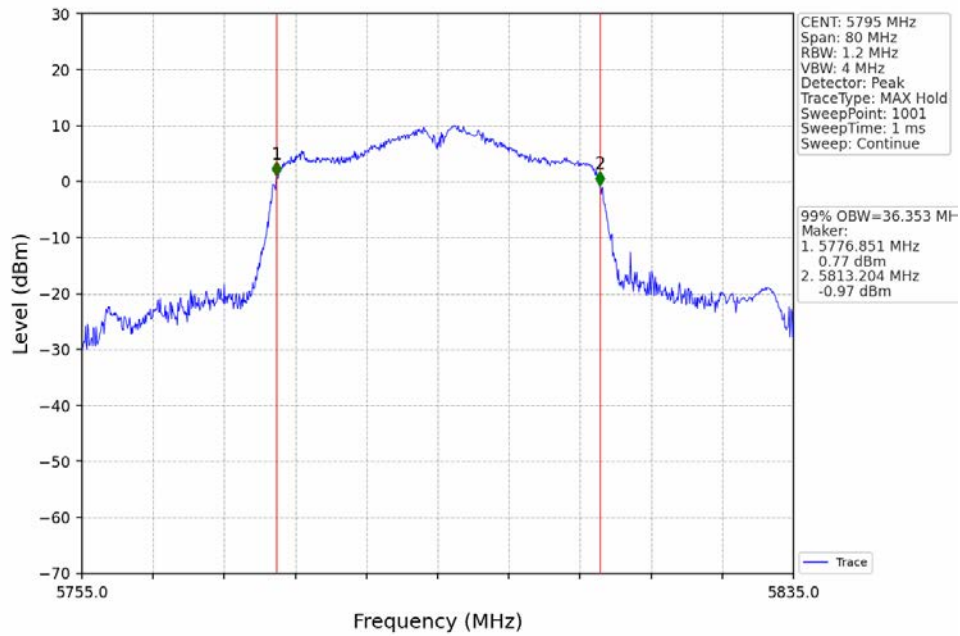
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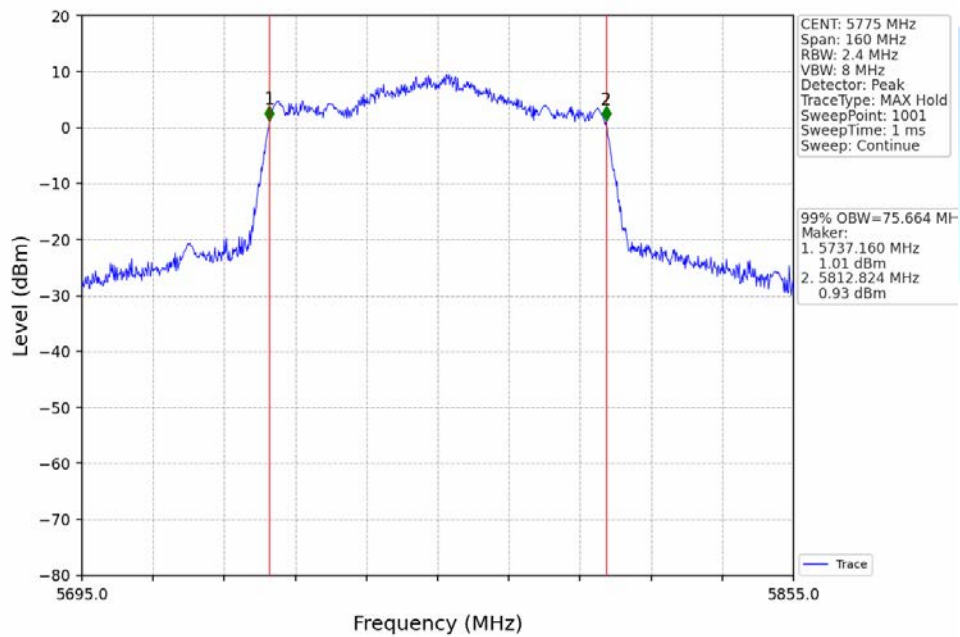
802.11ac(VHT40) LCH_5755MHz_Ant1_NTNV



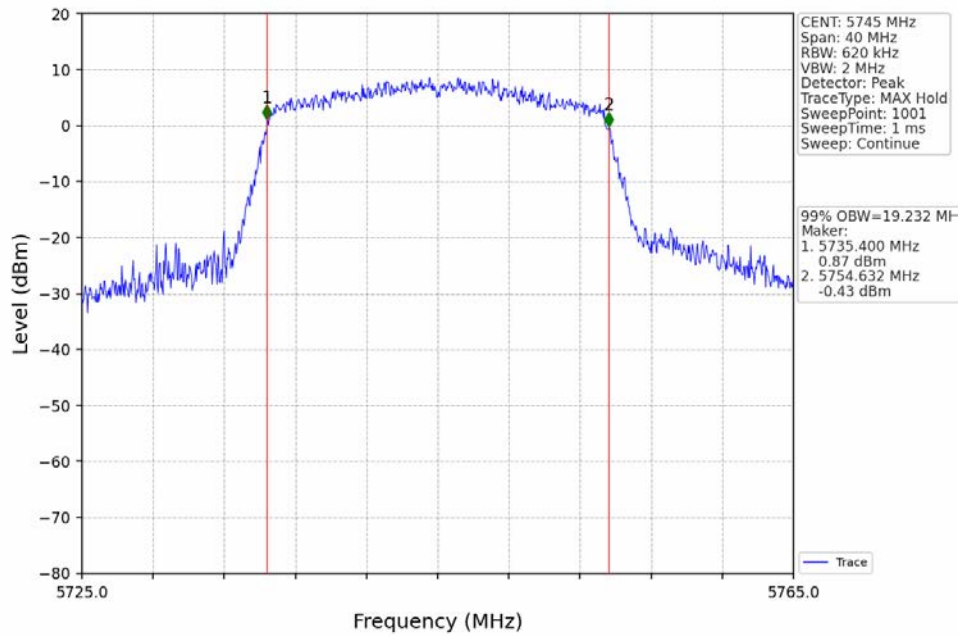
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



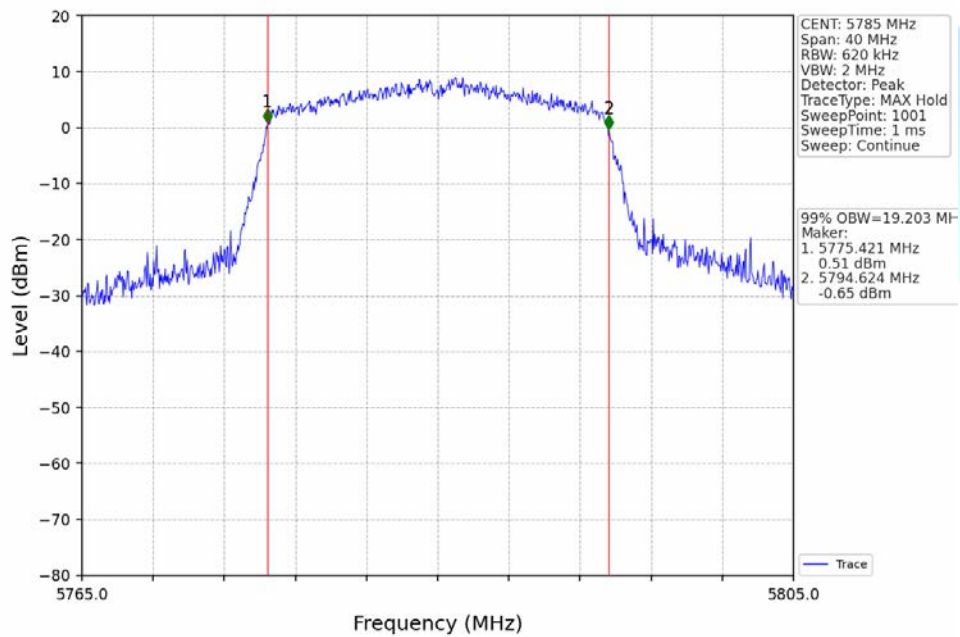
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



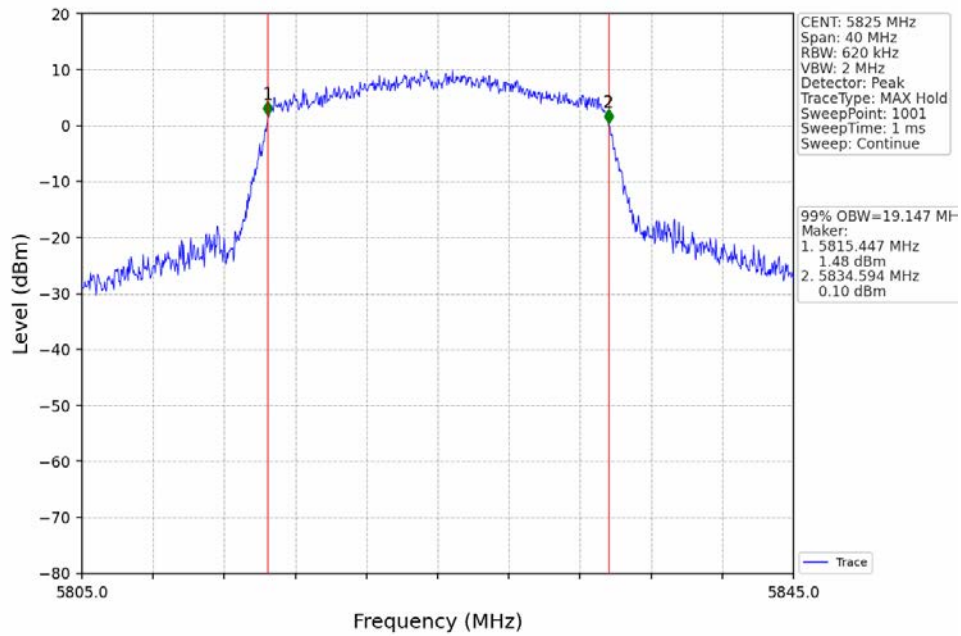
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



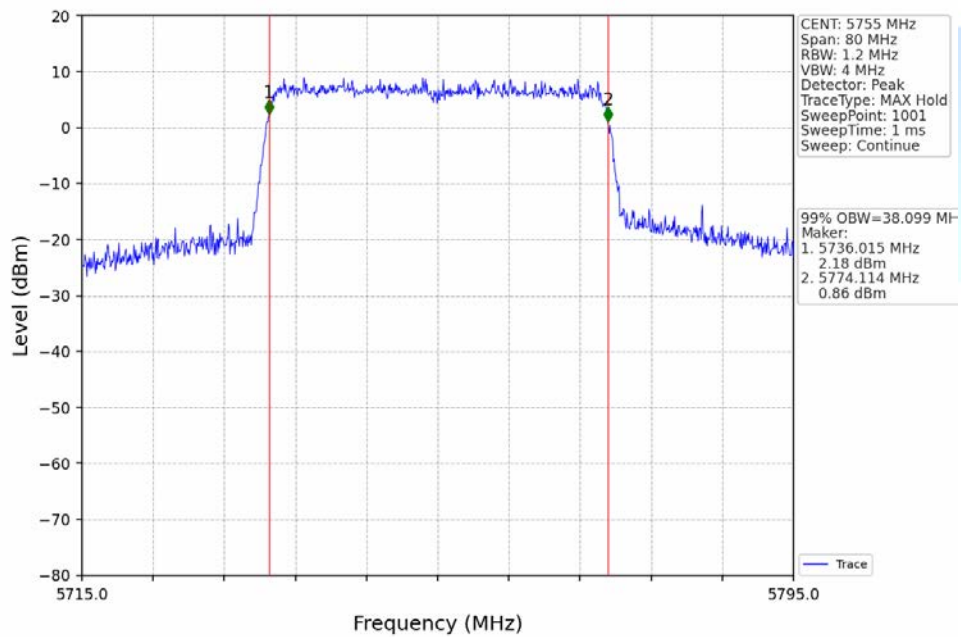
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



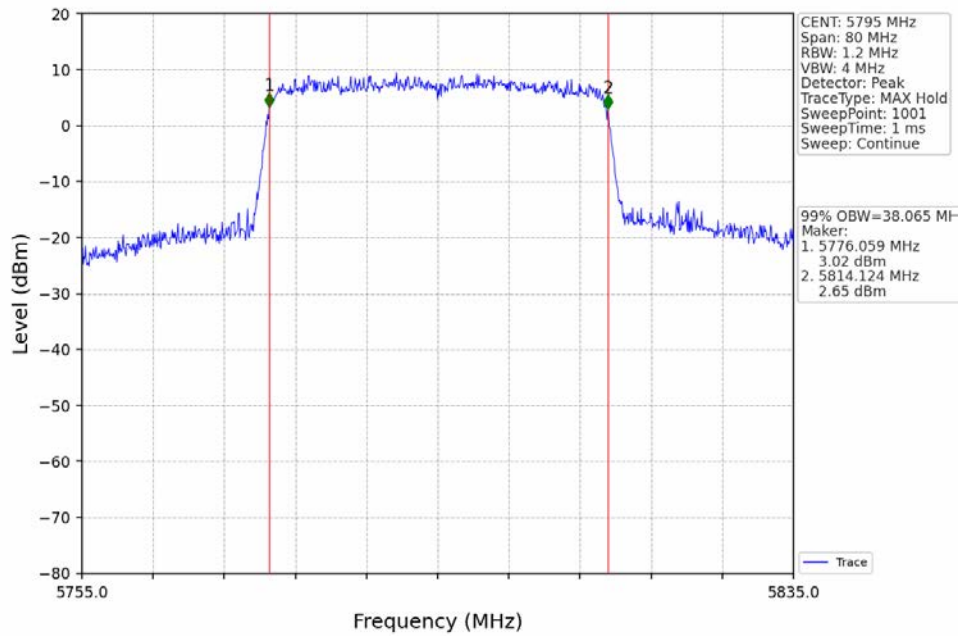
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



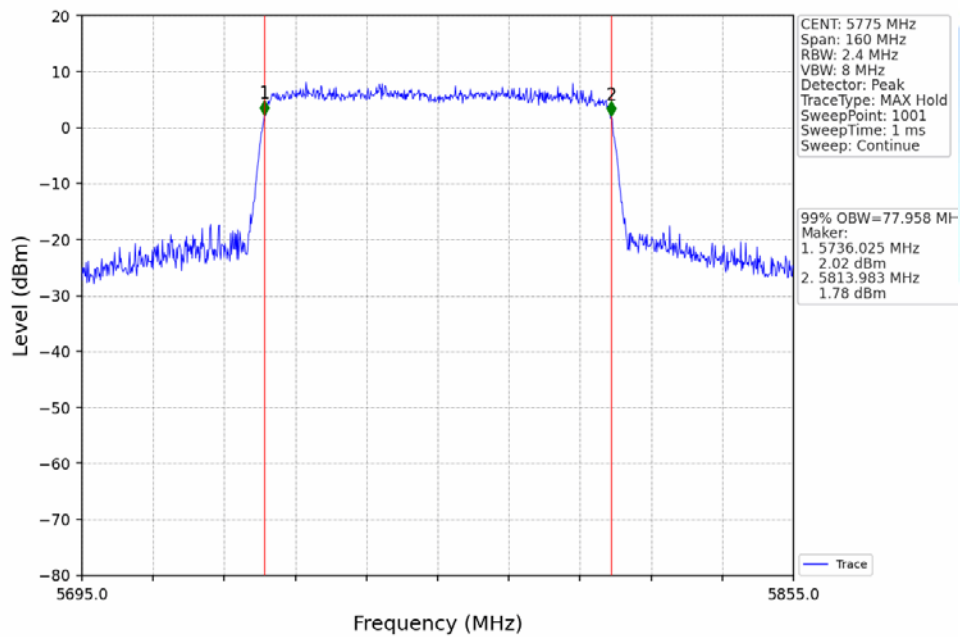
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



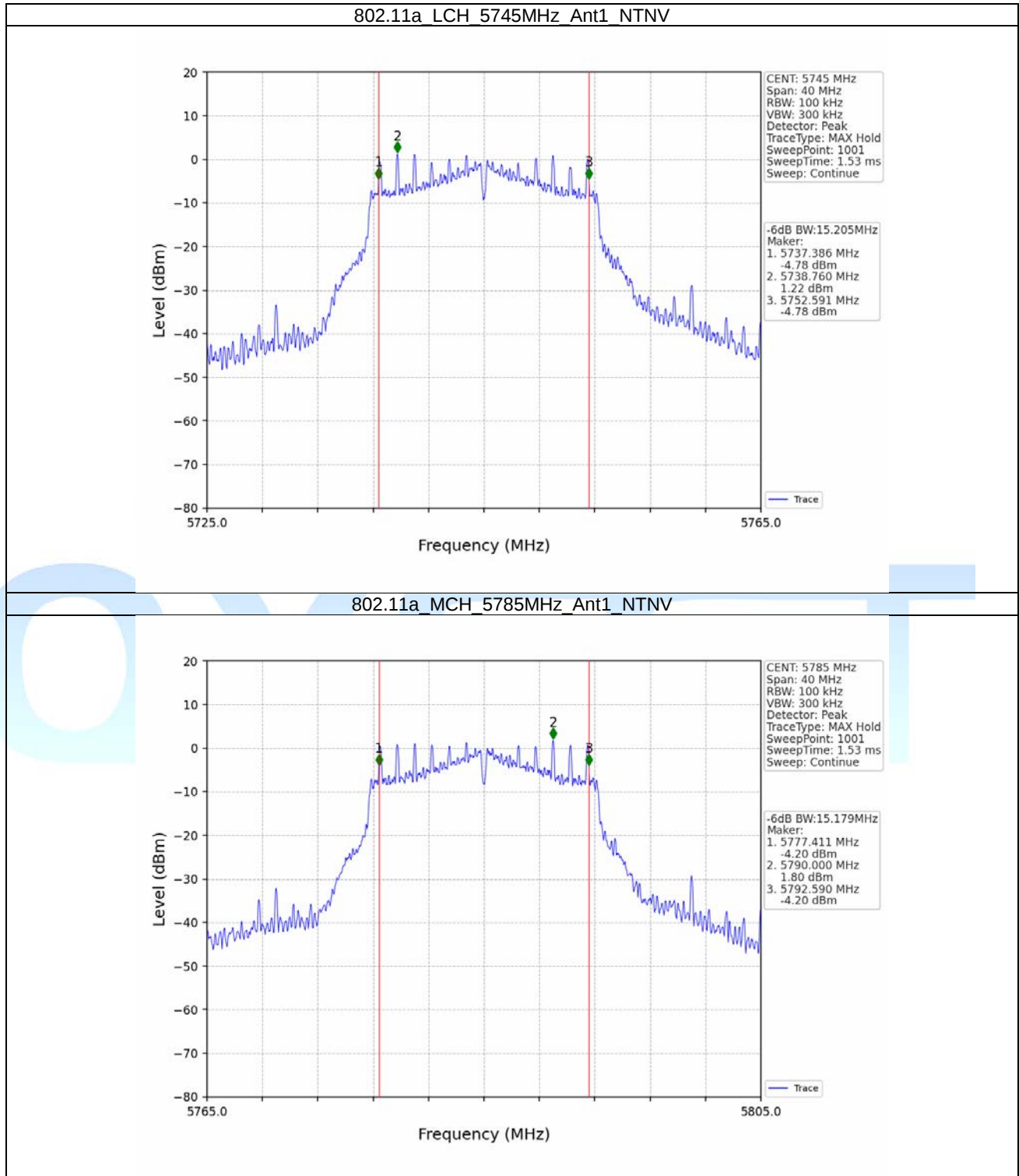
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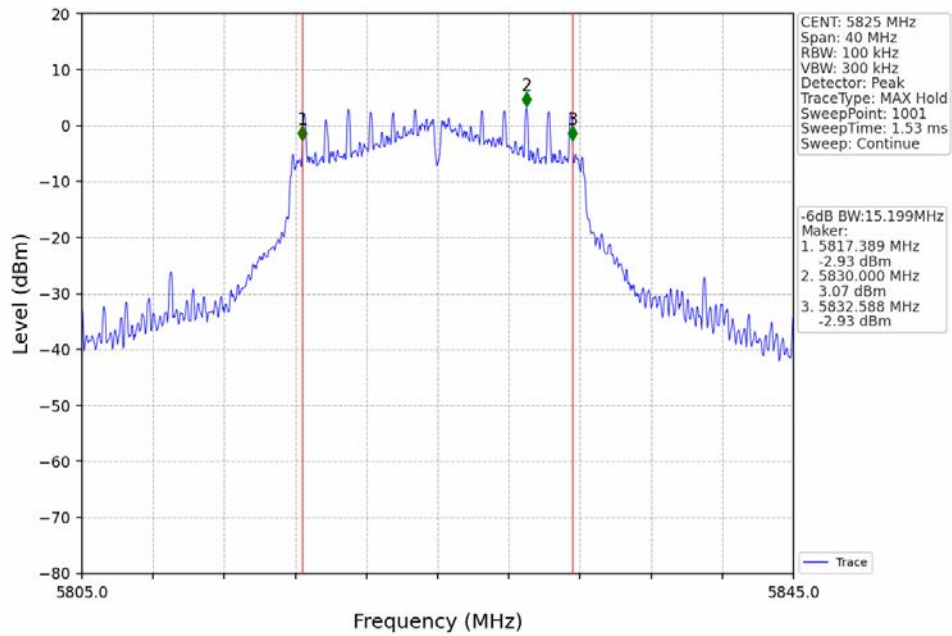
802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



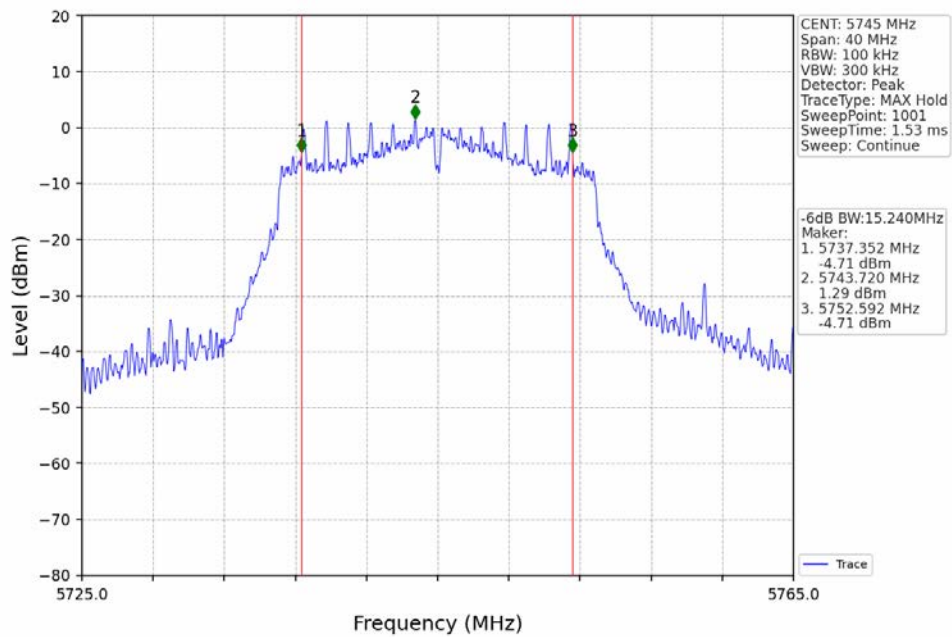
2.2.2 6dB BW



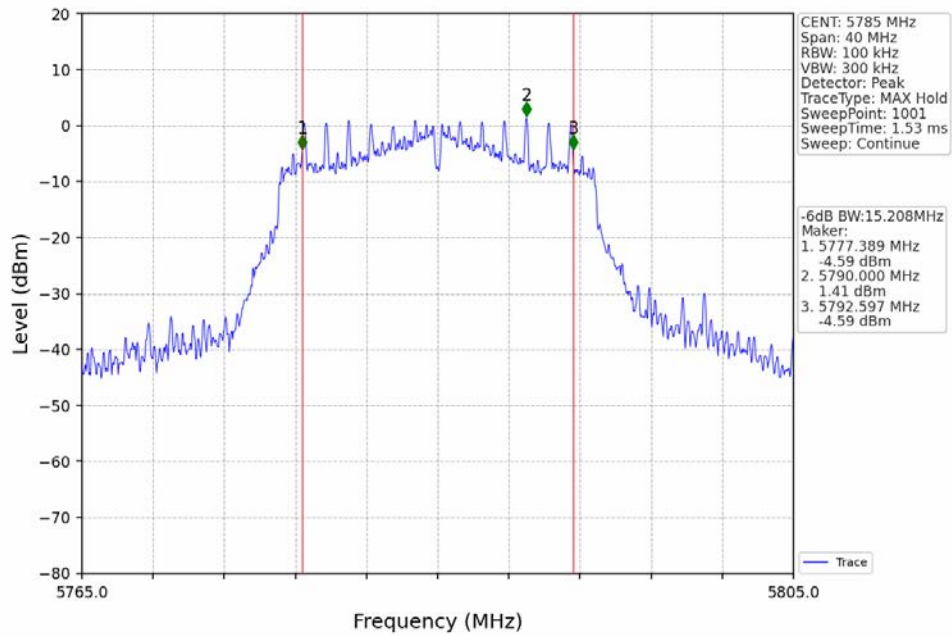
802.11a_HCH_5825MHz_Ant1_NTNV



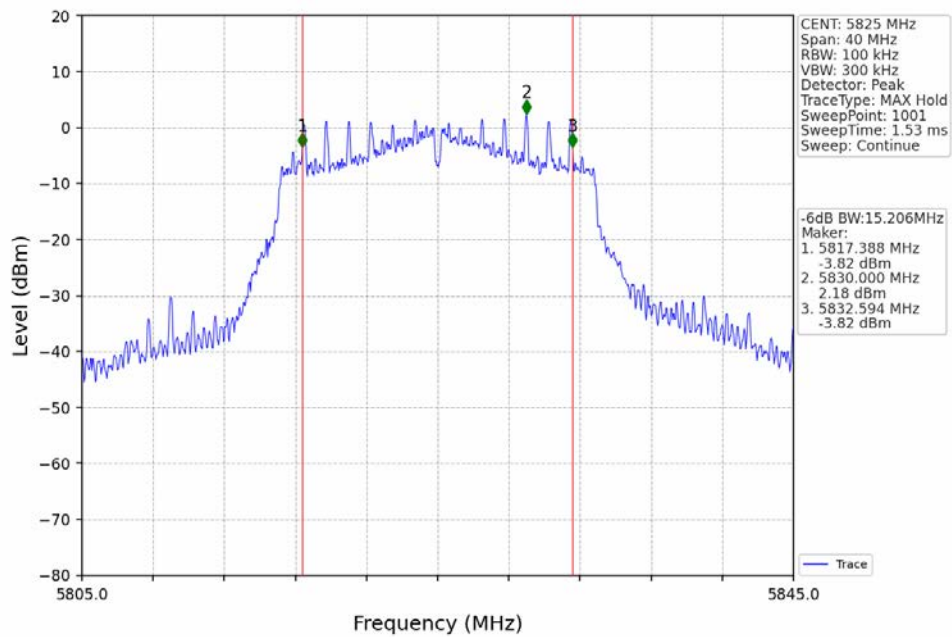
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



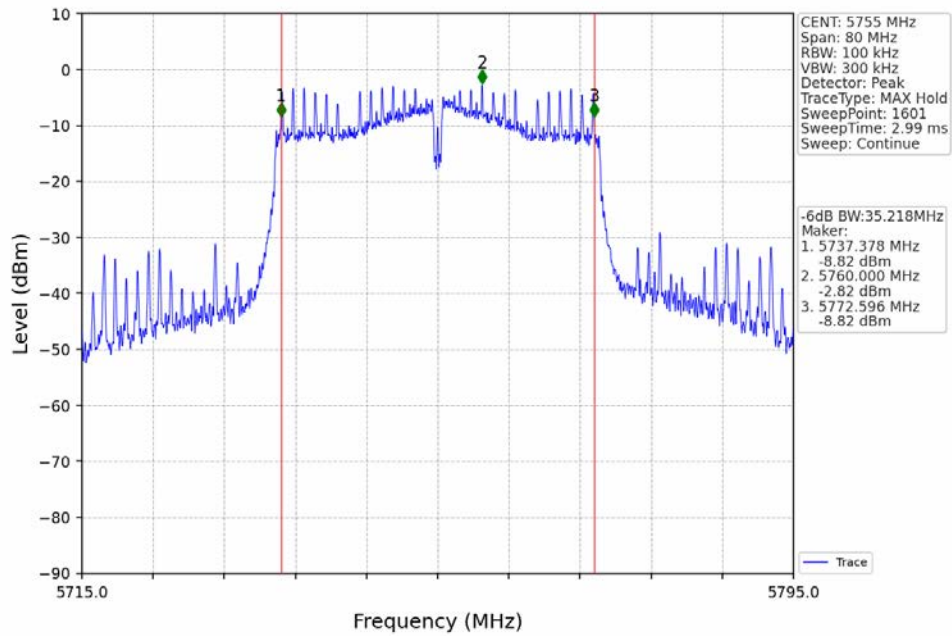
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



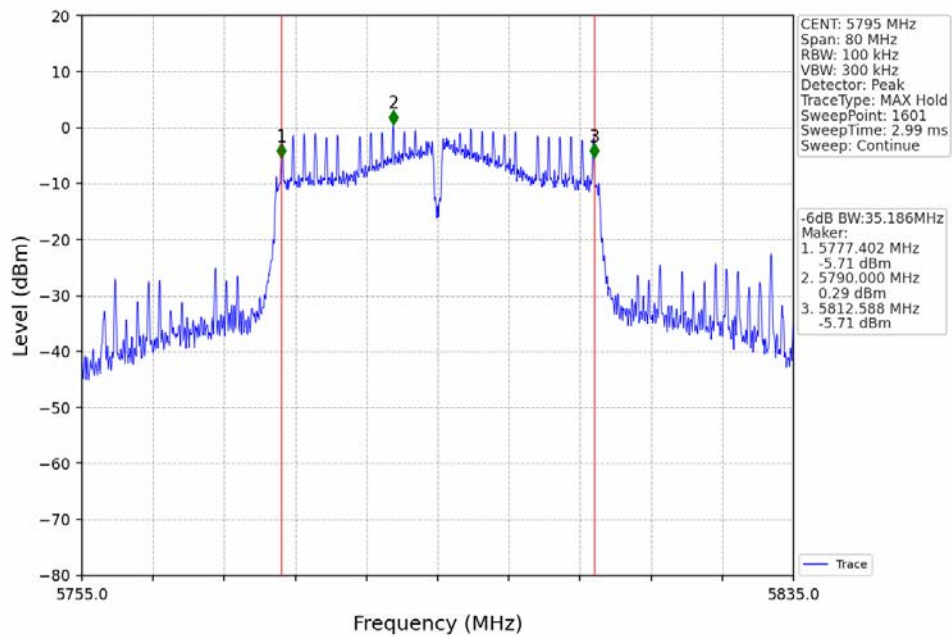
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



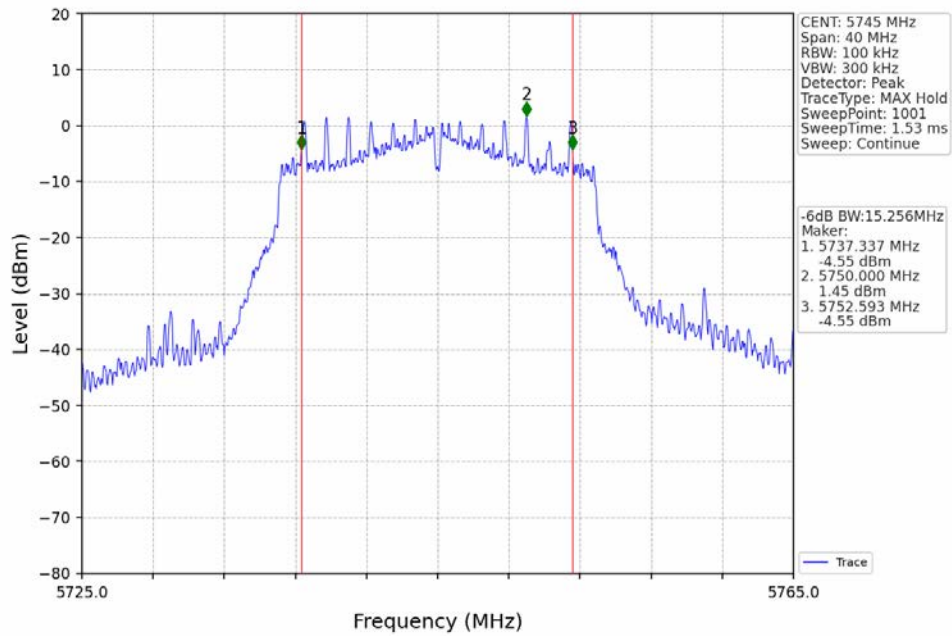
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



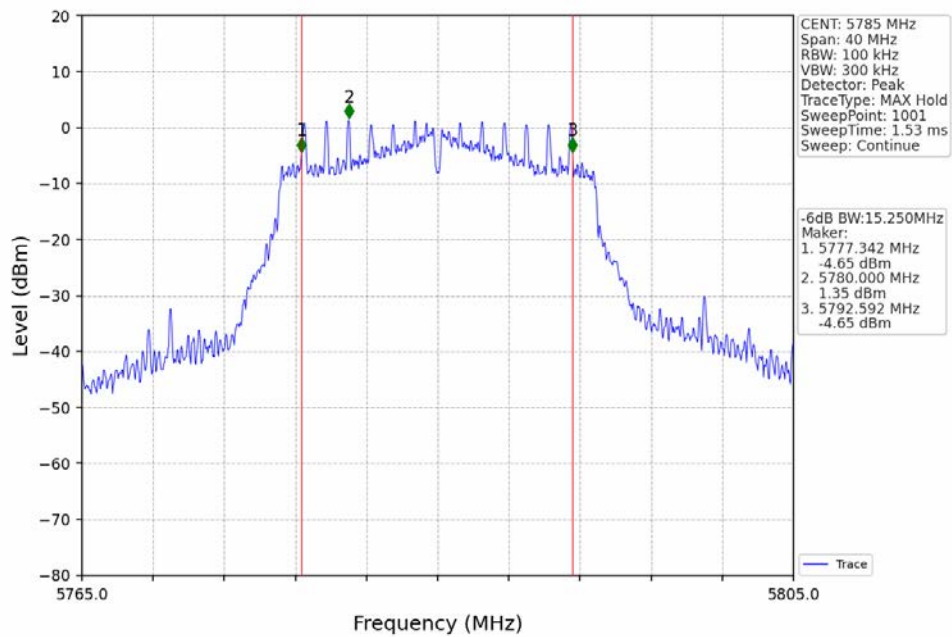
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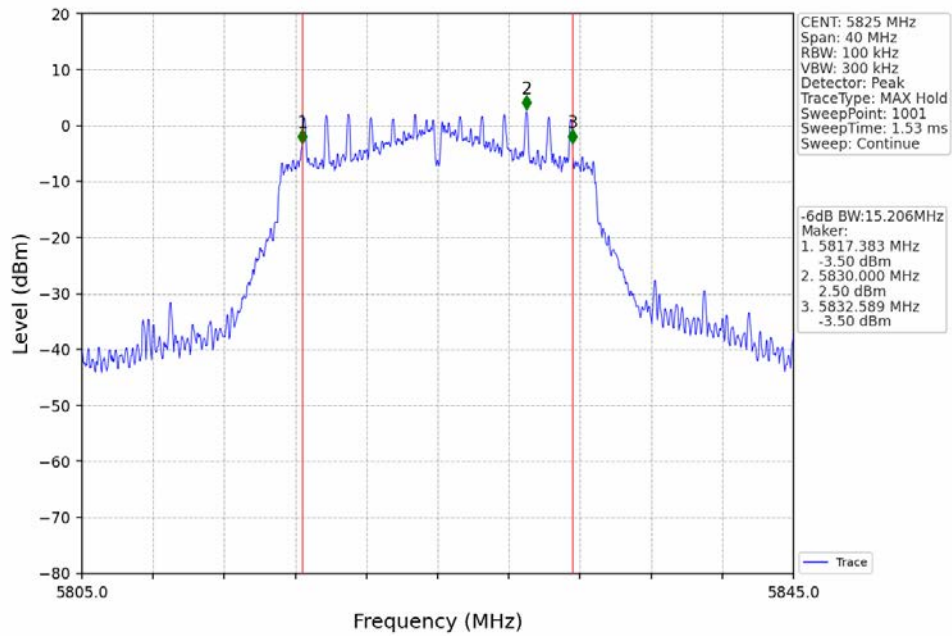
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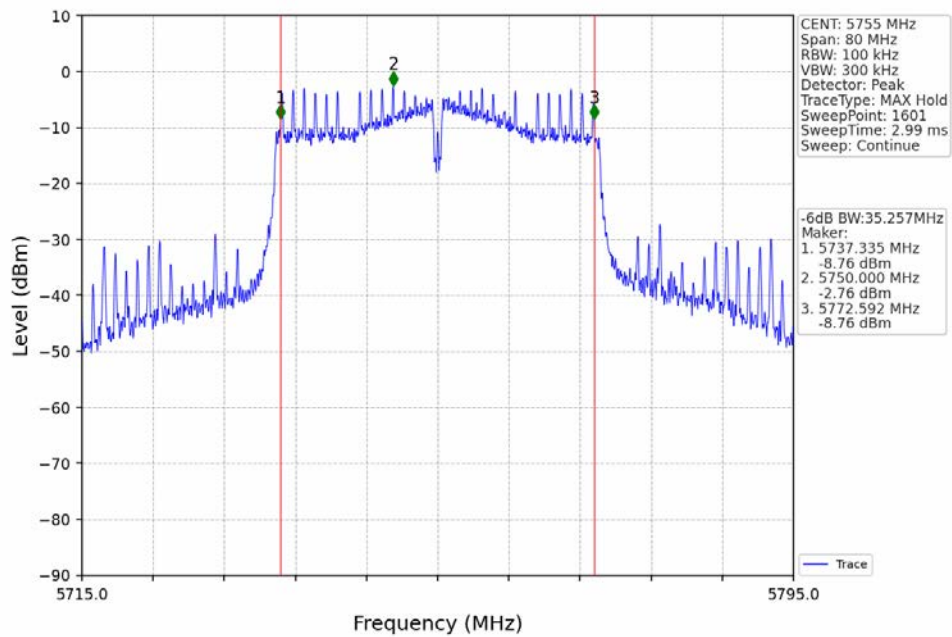
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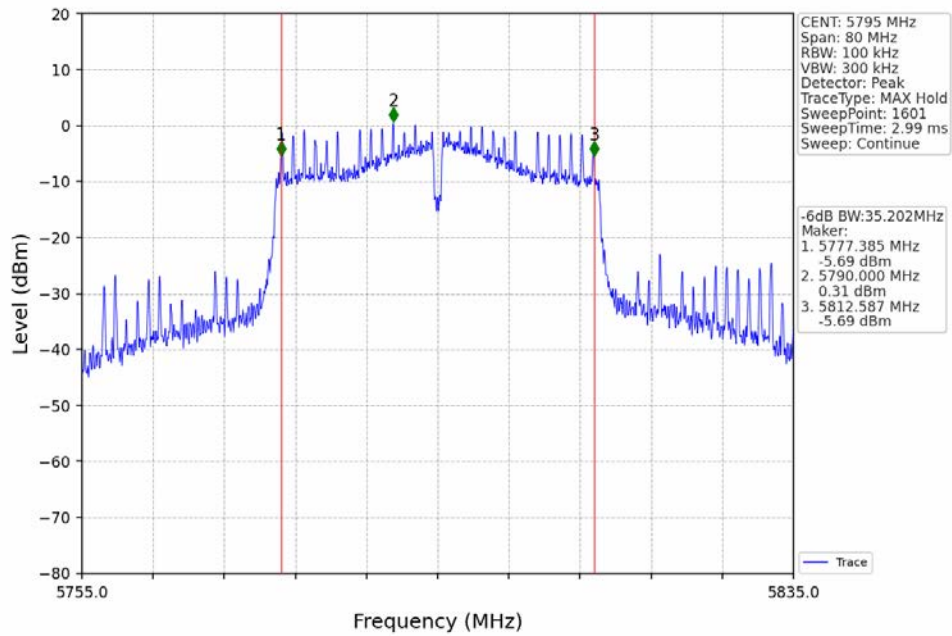
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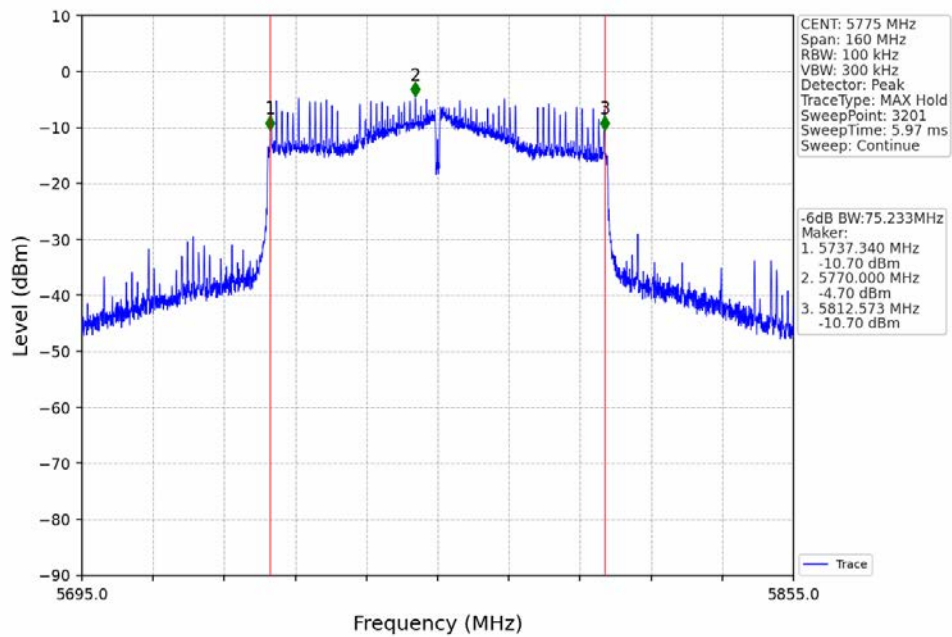
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



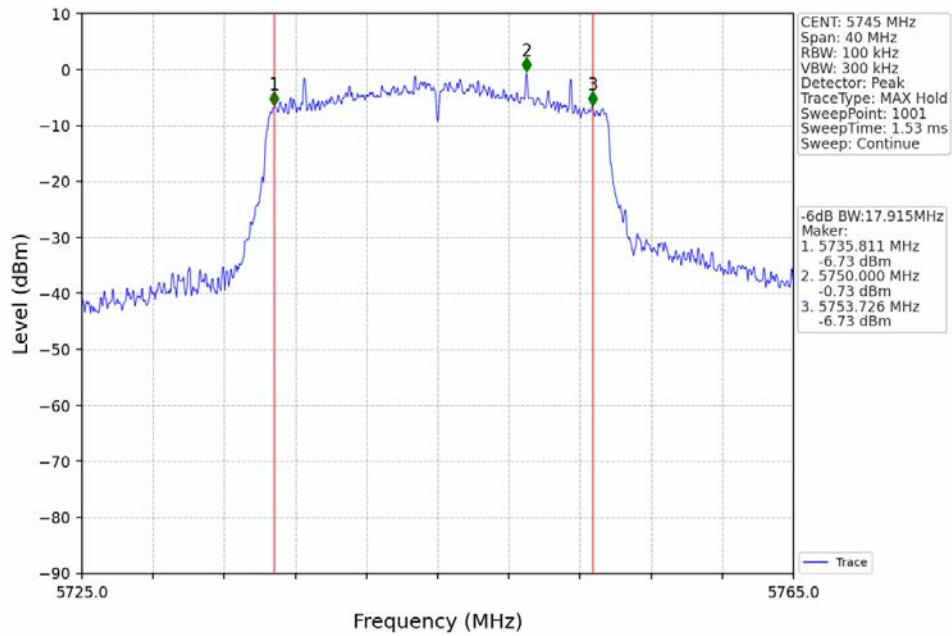
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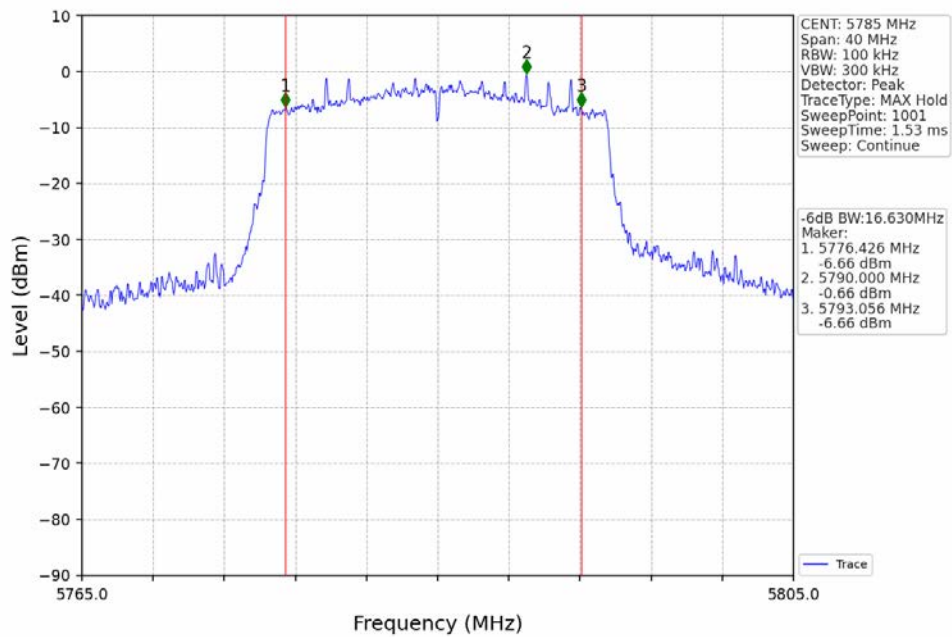
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



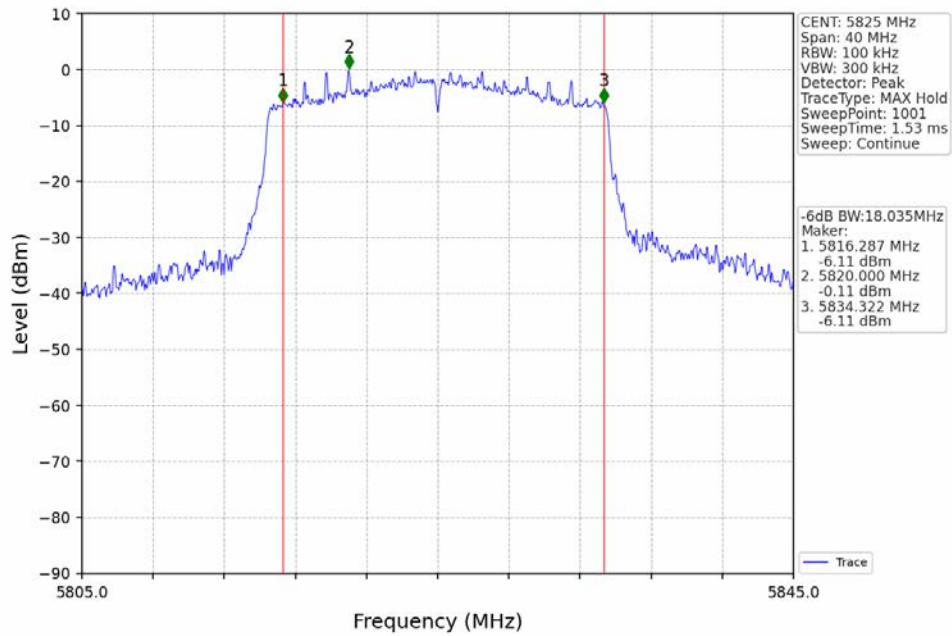
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



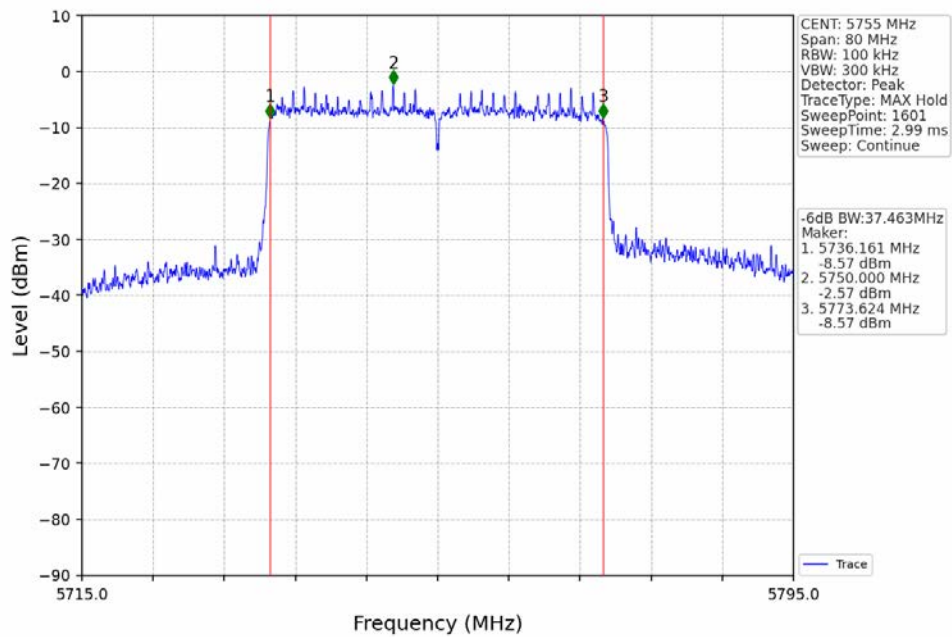
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



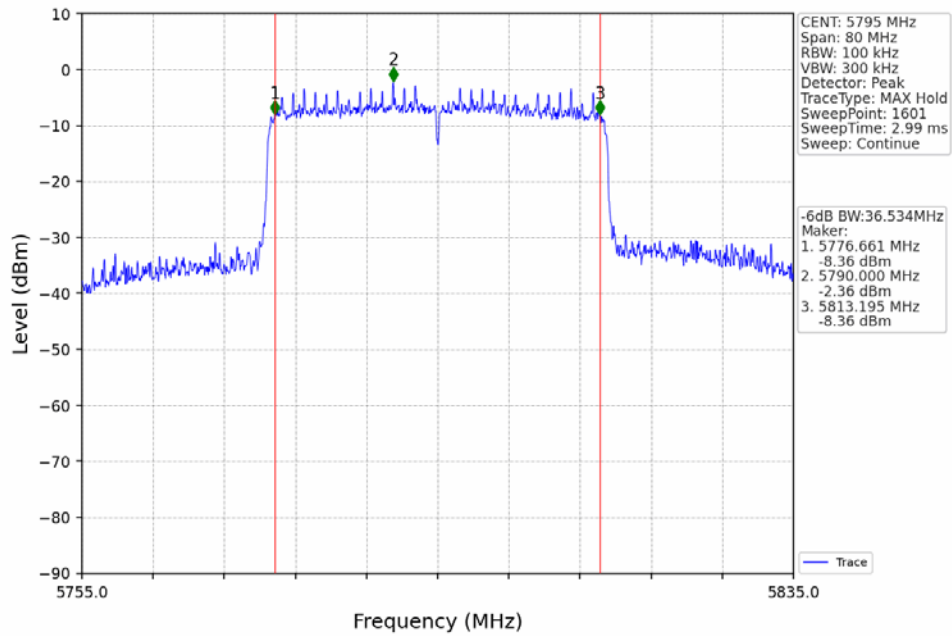
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



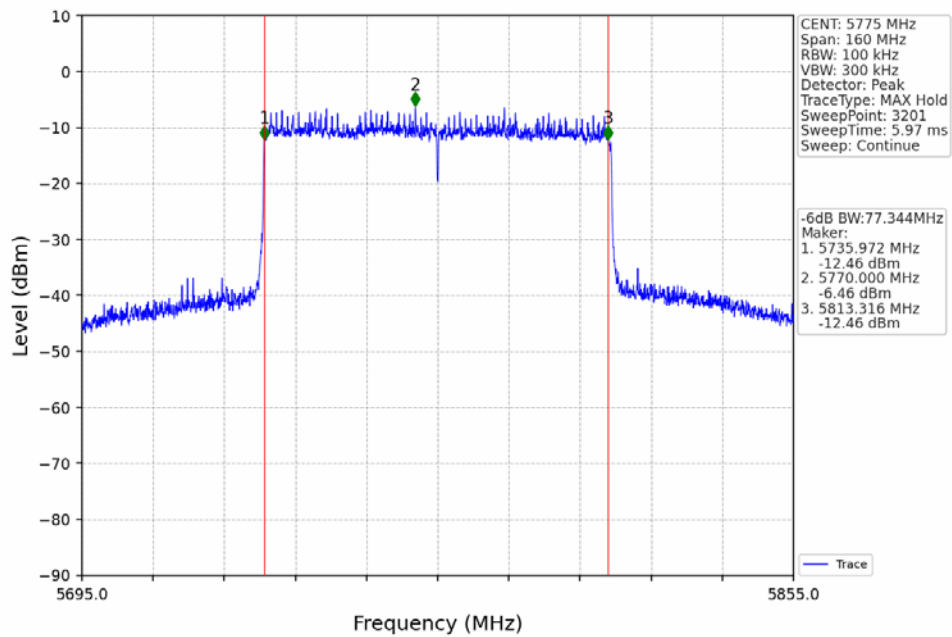
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_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	/	/	10.35	<=30	Pass
		5785	/	/	10.81	<=30	Pass
		5825	/	/	10.29	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	10.68	<=30	Pass
		5785	/	/	10.26	<=30	Pass
		5825	/	/	10.96	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	10.81	<=30	Pass
		5795	/	/	11.58	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	10.51	<=30	Pass
		5785	/	/	10.58	<=30	Pass
		5825	/	/	11.29	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	10.99	<=30	Pass
		5795	/	/	11.65	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	10.14	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	10.66	<=30	Pass
		5785	RU242	Left	10.57	<=30	Pass
		5825	RU242	Left	11.48	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	11.98	<=30	Pass
		5795	RU484	Left	11.90	<=30	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	10.77	<=30	Pass

Note1: Antenna Gain: Ant1: 2.65dBi;

4. Maximum Power Spectral Density

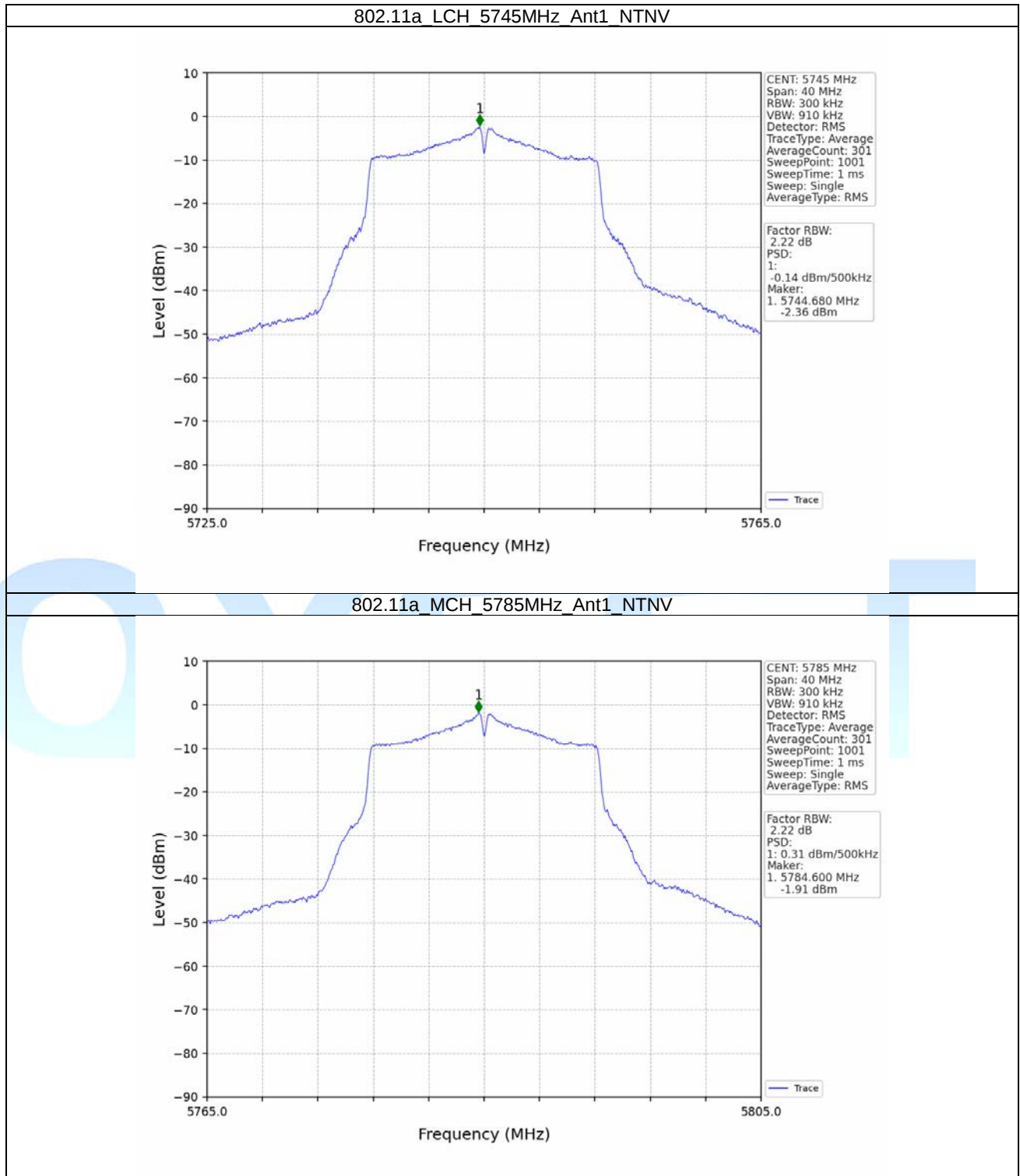
4.1 Test Result

4.1.1 PSD-Band3

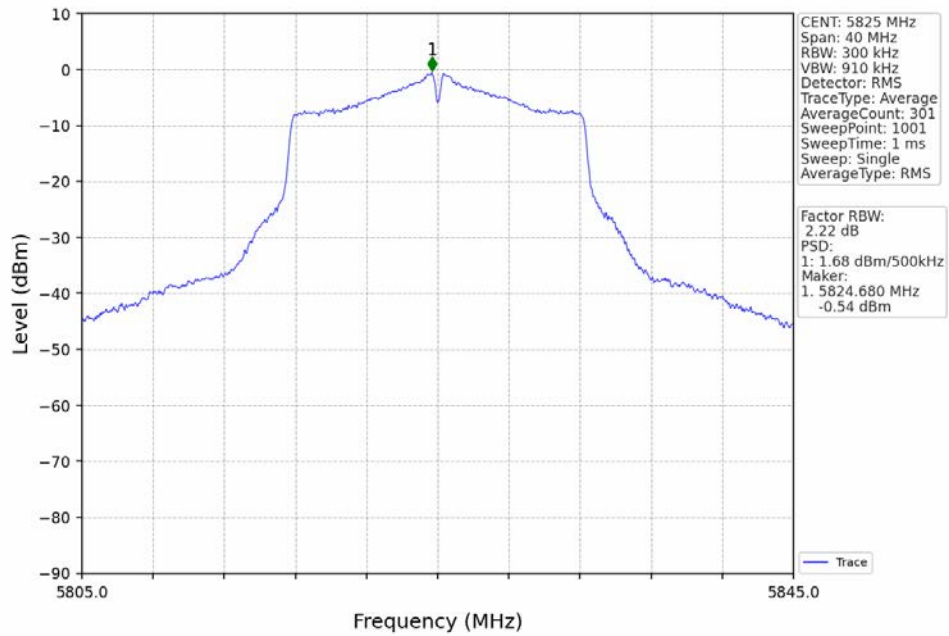
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-0.14	<=30	Pass
		5785	/	/	0.31	<=30	Pass
		5825	/	/	1.68	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-0.20	<=30	Pass
		5785	/	/	-0.61	<=30	Pass
		5825	/	/	0.18	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-5.22	<=30	Pass
		5795	/	/	-2.07	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-0.31	<=30	Pass
		5785	/	/	-0.13	<=30	Pass
		5825	/	/	0.45	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-4.79	<=30	Pass
		5795	/	/	-2.14	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-6.74	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	-2.40	<=30	Pass
		5785	RU242	Left	-2.25	<=30	Pass
		5825	RU242	Left	-1.45	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-5.67	<=30	Pass
		5795	RU484	Left	-5.58	<=30	Pass
802.11ax (HEW80)	SISO	5775	RU996	Left	-9.37	<=30	Pass
Note1: Antenna Gain: Ant1: 2.65dBi; Note2: Result contains DCCF and RBW Factor Note3: RBW Factor = $10 \cdot \log(500\text{kHz}/300\text{kHz})=2.22$							

4.2 Test Graph

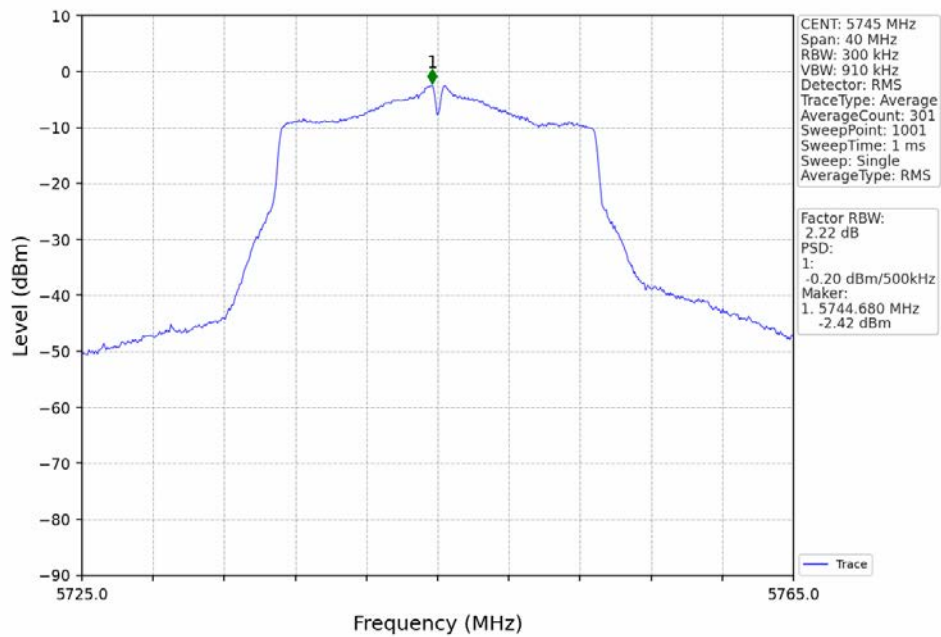
4.2.1 PSD-Band3



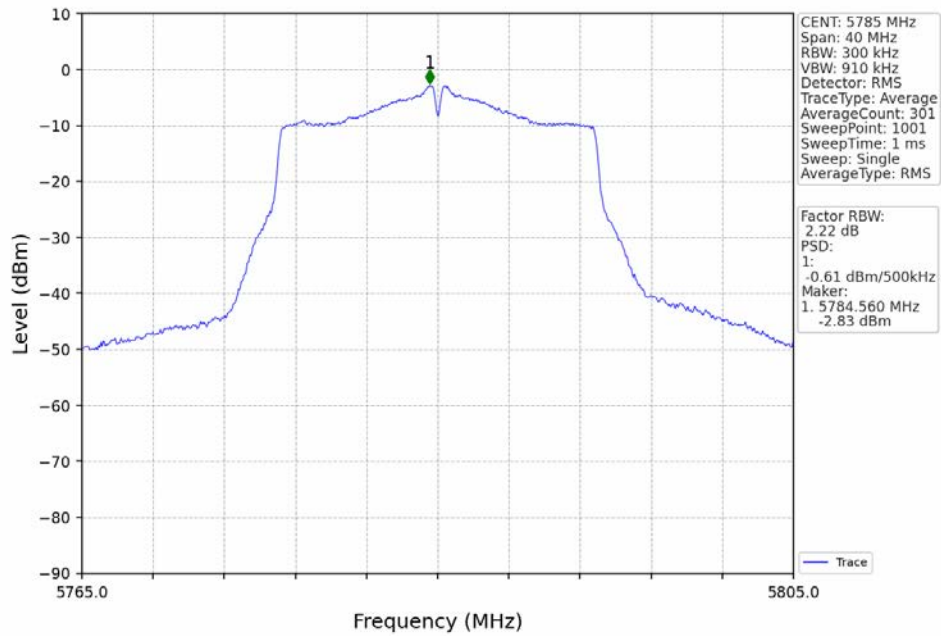
802.11a_HCH_5825MHz_Ant1_NTNV



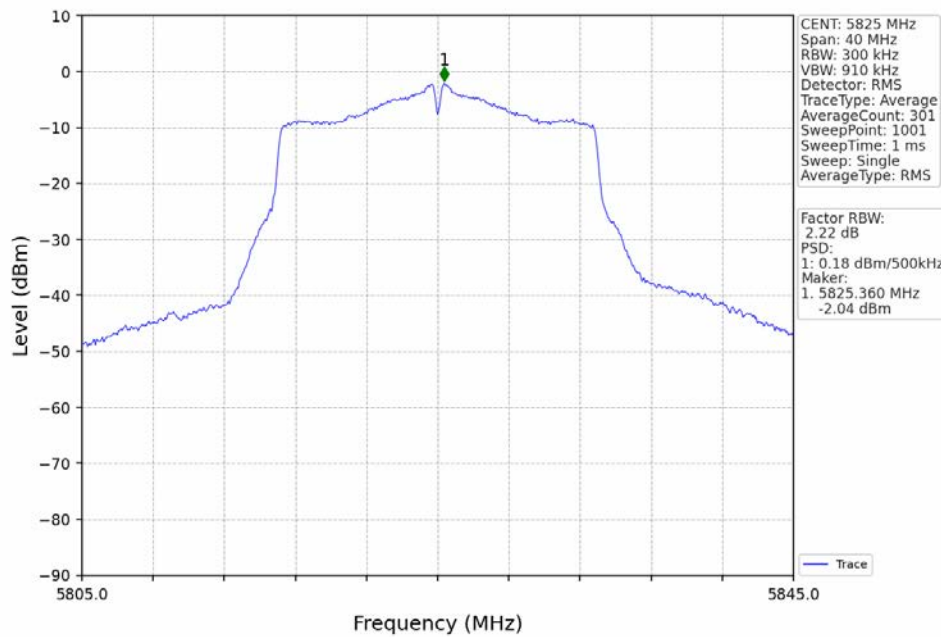
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



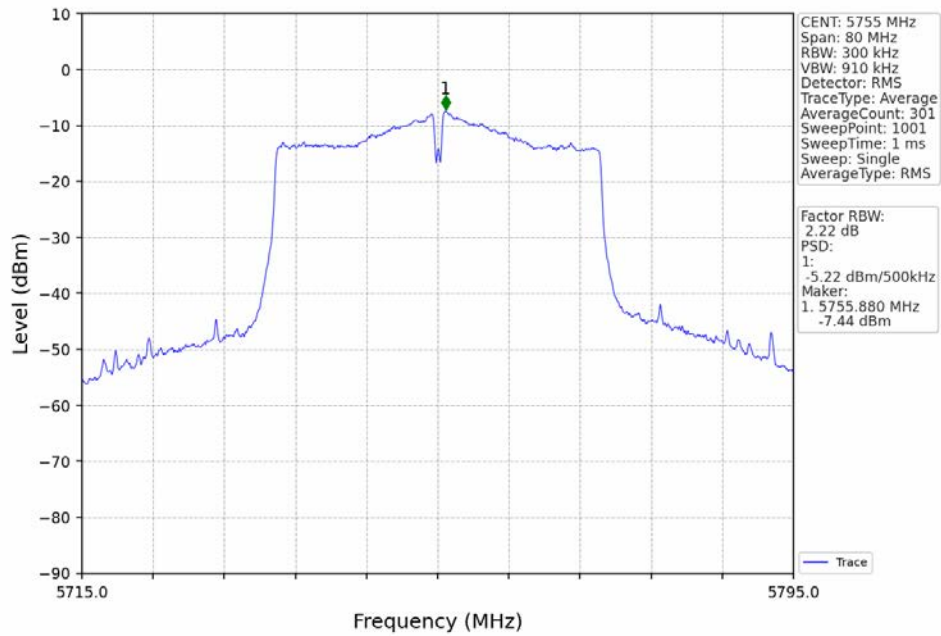
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



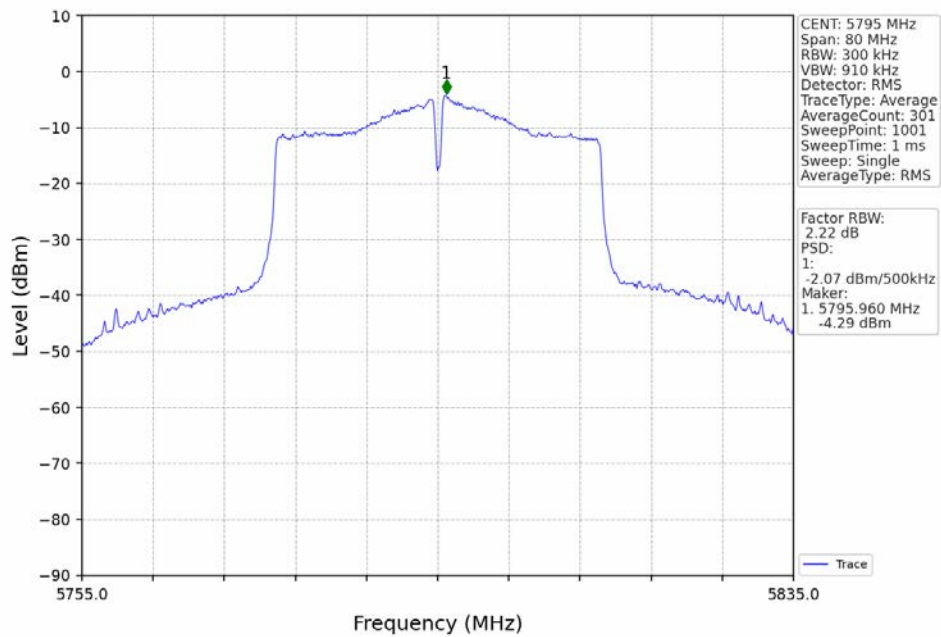
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



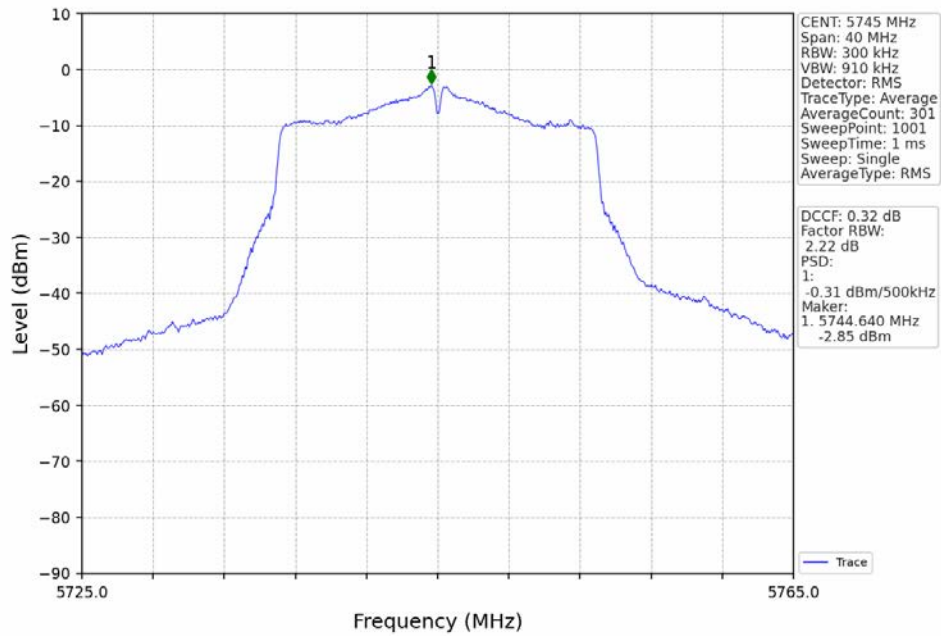
802.11n(HT40) LCH 5755MHz_Ant1_NTNV



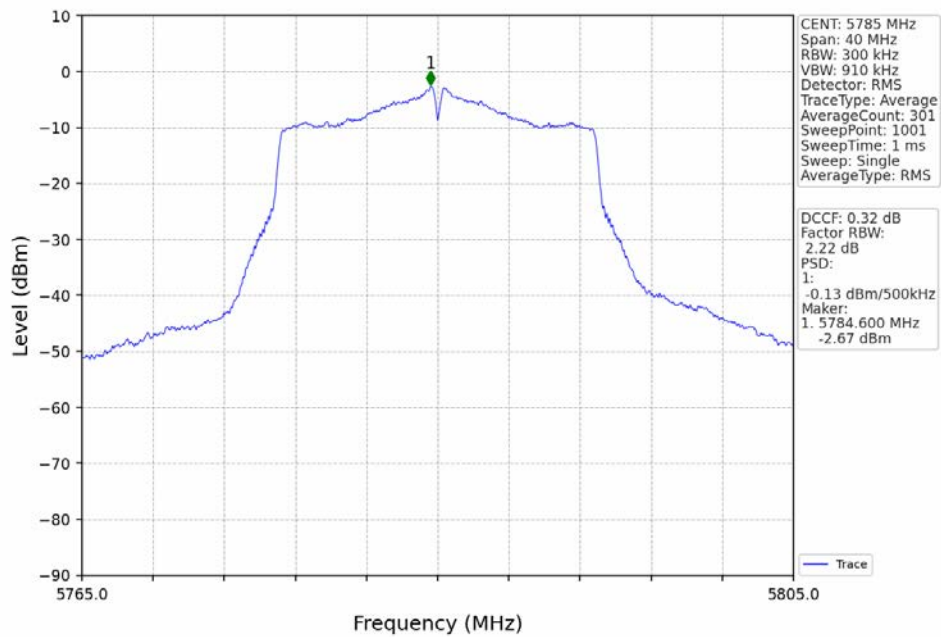
802.11n(HT40) HCH 5795MHz_Ant1_NTNV



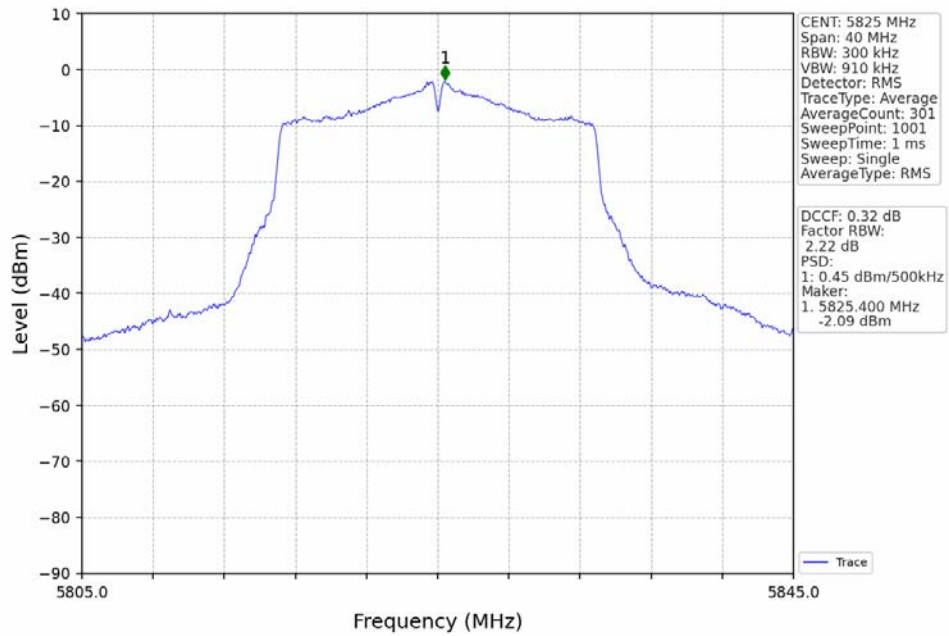
802.11ac(VHT20) LCH_5745MHz_Ant1_NTNV



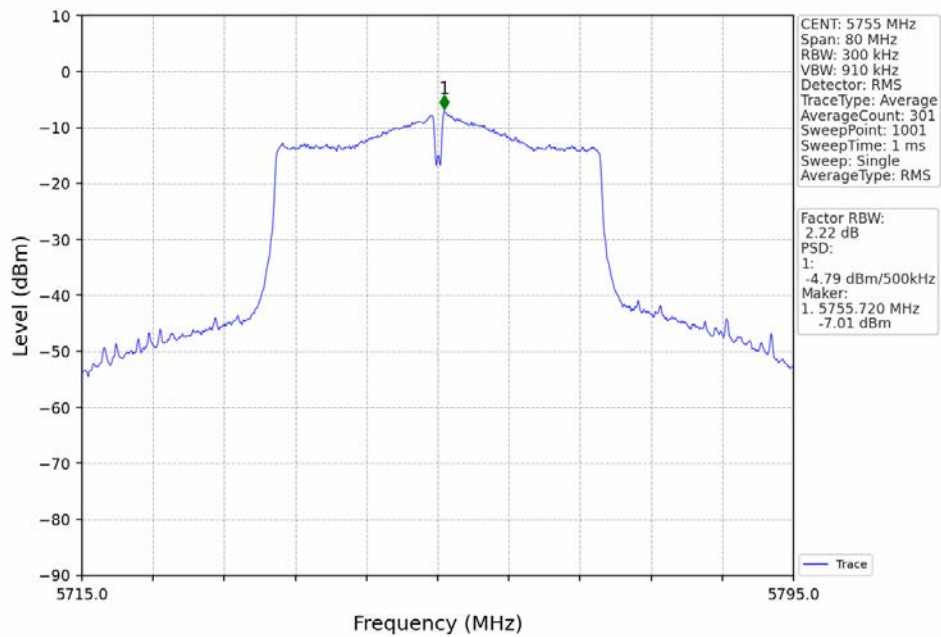
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



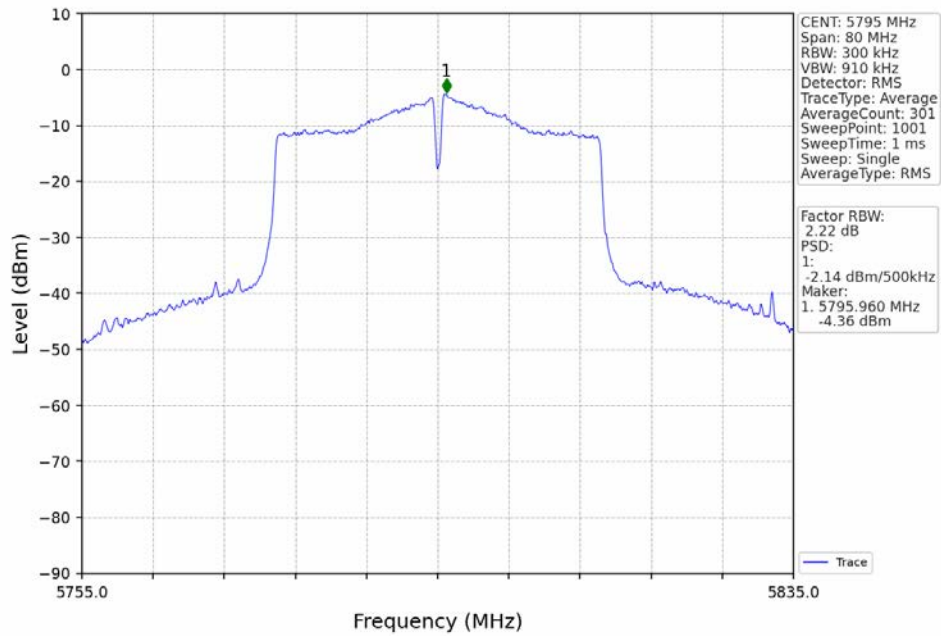
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



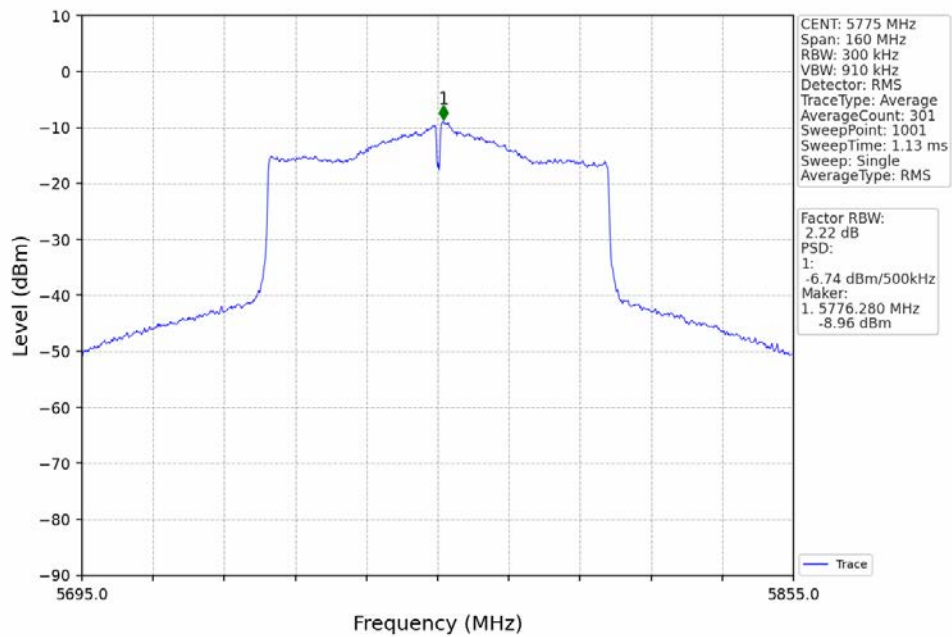
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



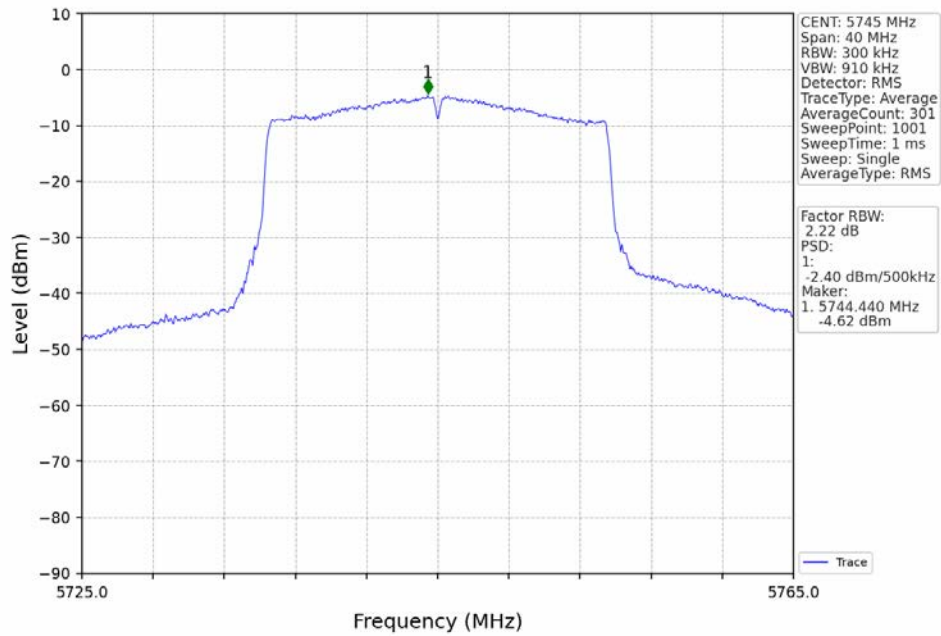
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



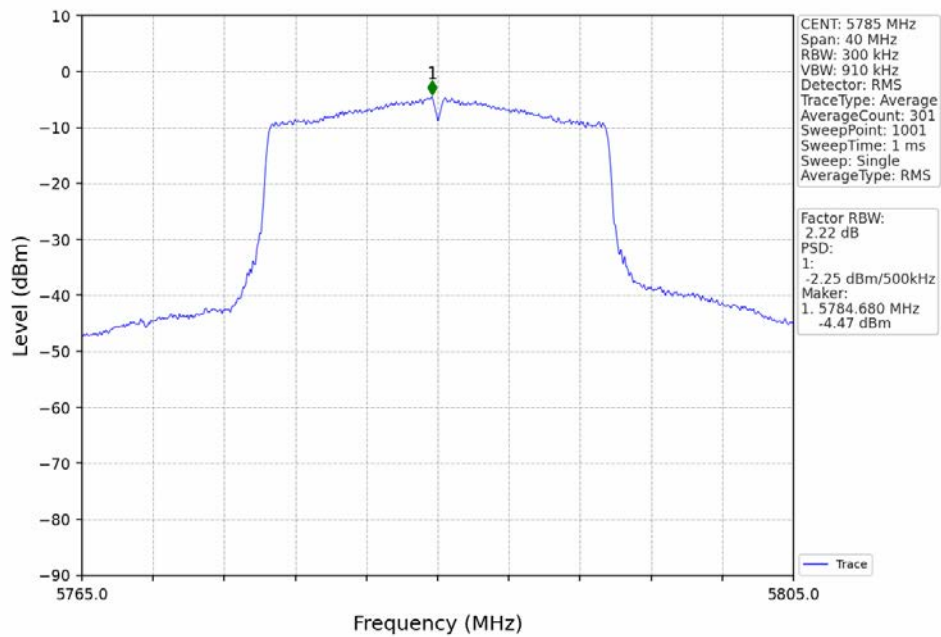
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



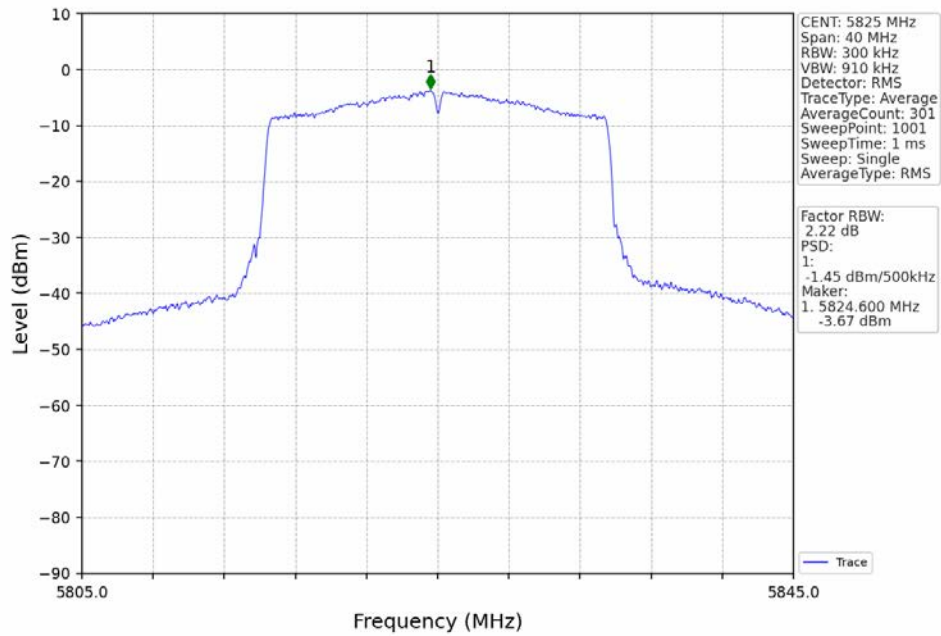
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



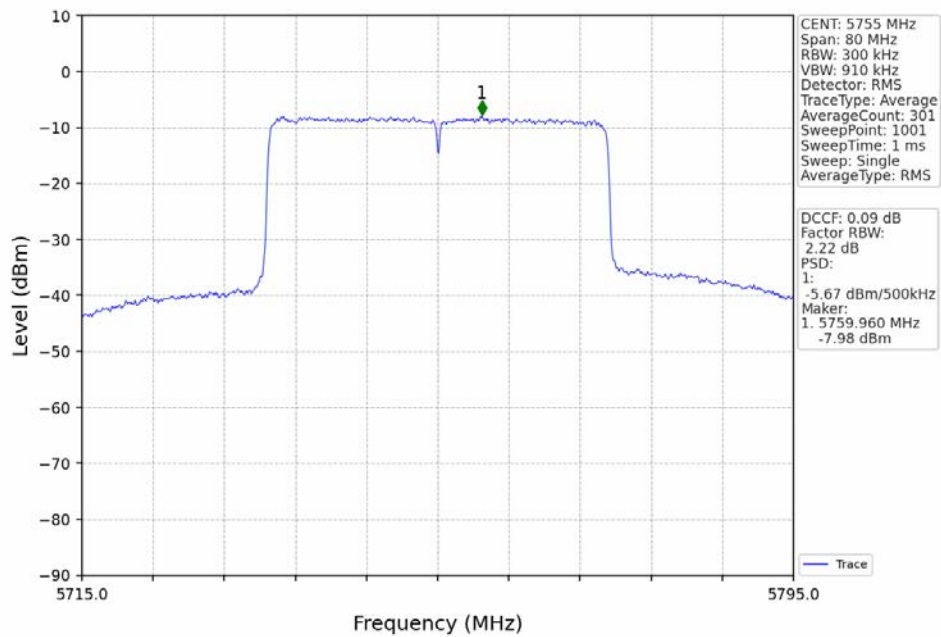
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



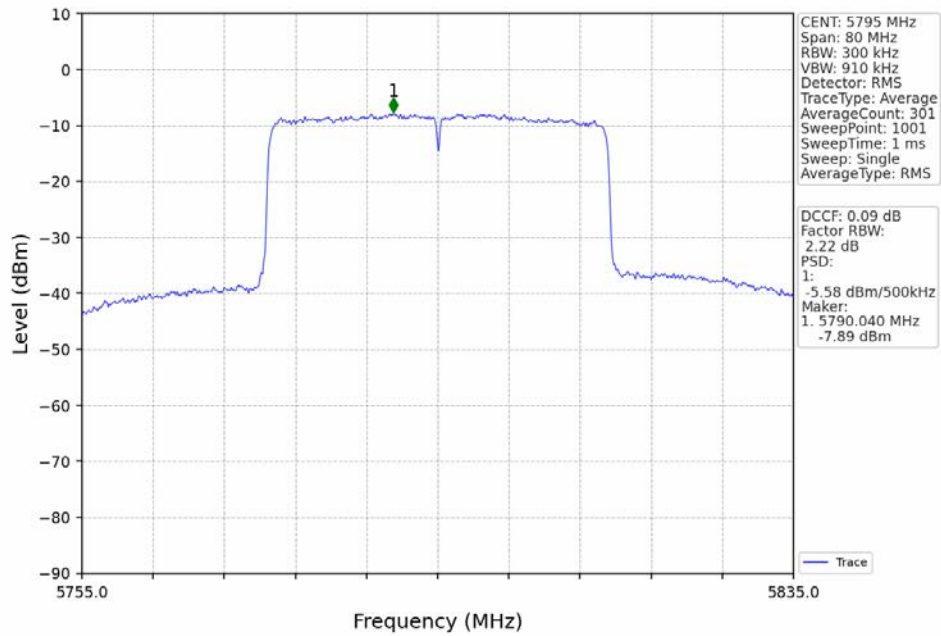
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



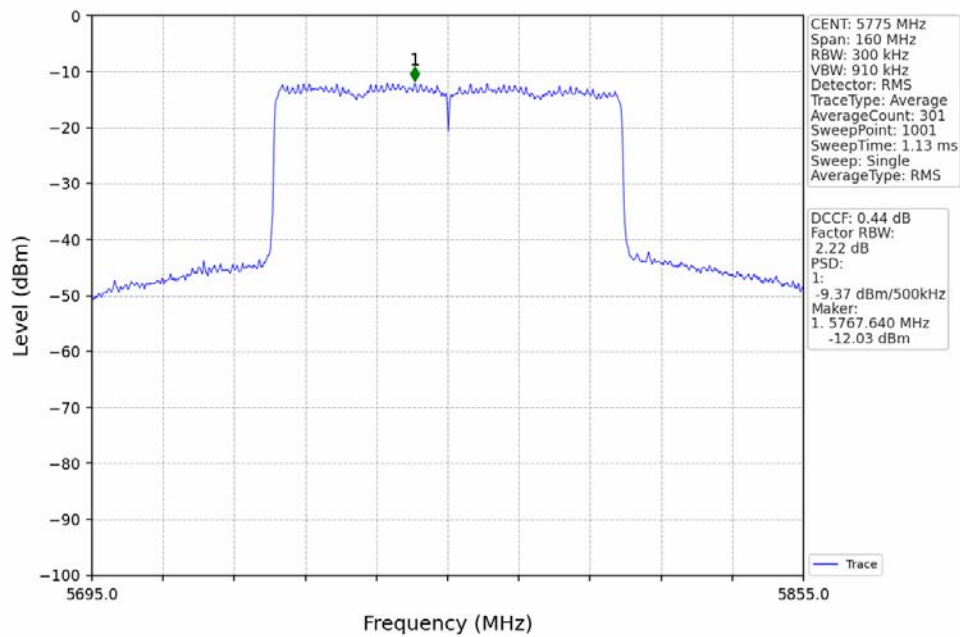
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



5. Unwanted Emissions In Restricted Frequency Bands

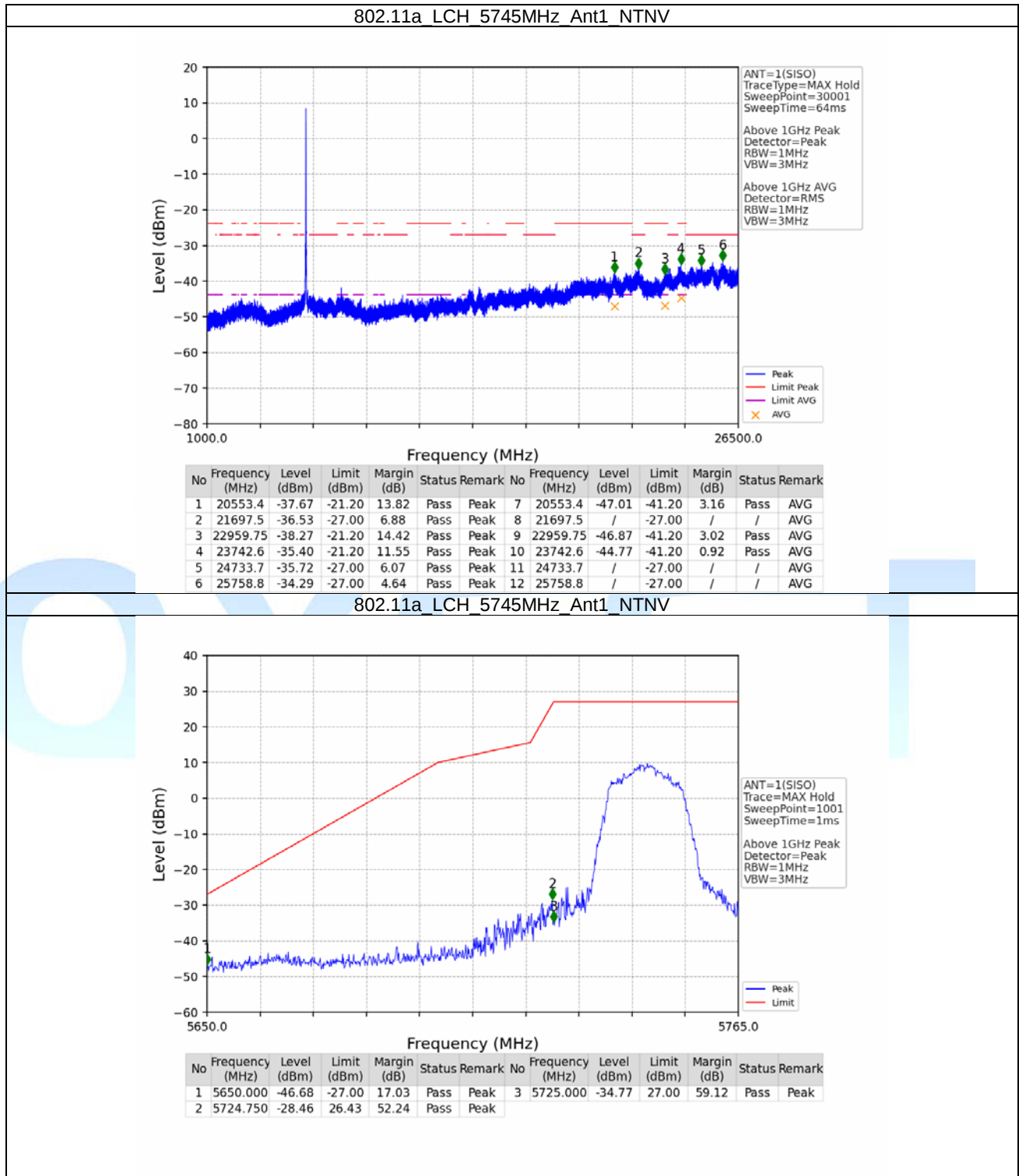
5.1 Test Result

5.1.1 RSE

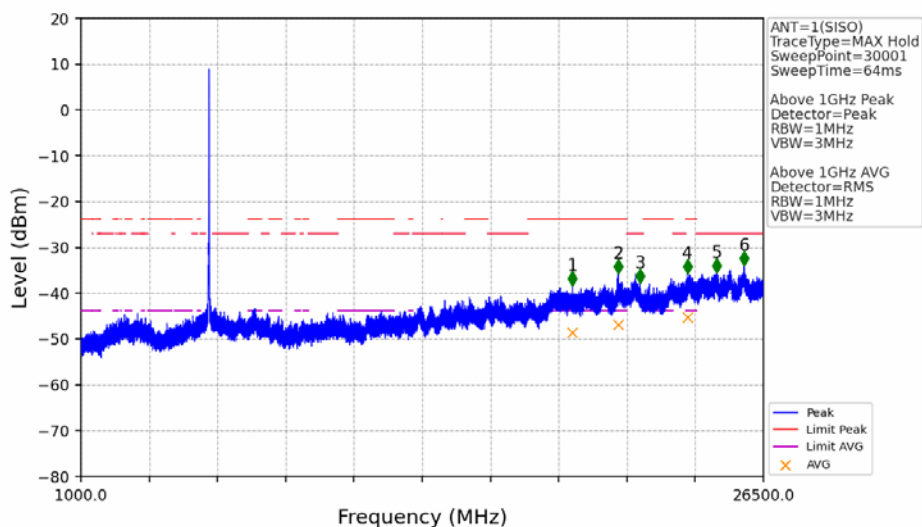
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Unwanted Emissions (dBm)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	1	Refer To Test Graph		Pass
		5825	/	/	1	Refer To Test Graph		Pass
802.11n (HT20)	SISO	5745	/	/	1	Refer To Test Graph		Pass
		5785	/	/	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
802.11ac (VHT80)	SISO	5775	/	/	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
802.11ax (HEW80)	SISO	5775	RU996	Left	1	Refer To Test Graph		Pass

5.2 Test Graph

5.2.1 RSE

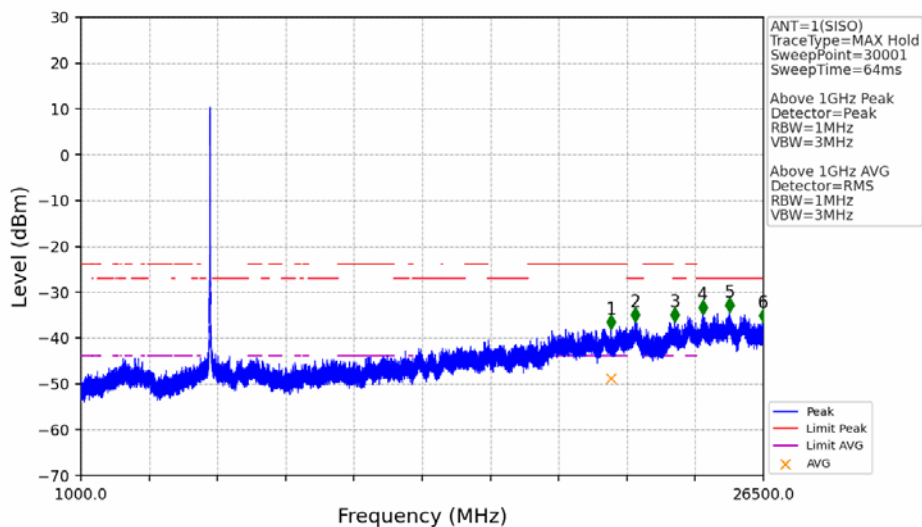


802.11a_MCH_5785MHz_Ant1_NTNV



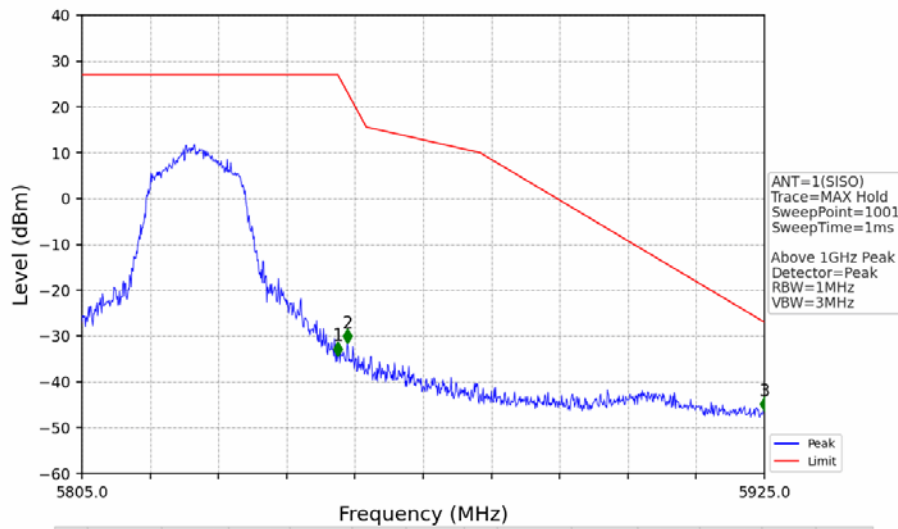
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	19367.65	-38.37	-21.20	14.52	Pass	Peak	7	19367.65	-48.61	-41.20	4.76	Pass	AVG
2	21075.3	-35.72	-21.20	11.87	Pass	Peak	8	21075.3	-46.77	-41.20	2.92	Pass	AVG
3	21881.95	-37.84	-27.00	8.19	Pass	Peak	9	21881.95	/	-27.00	/	/	AVG
4	23651.65	-35.80	-21.20	11.95	Pass	Peak	10	23651.65	-45.30	-41.20	1.45	Pass	AVG
5	24753.25	-35.54	-27.00	5.89	Pass	Peak	11	24753.25	/	-27.00	/	/	AVG
6	25777.5	-33.95	-27.00	4.30	Pass	Peak	12	25777.5	/	-27.00	/	/	AVG

802.11a_HCH_5825MHz_Ant1_NTNV

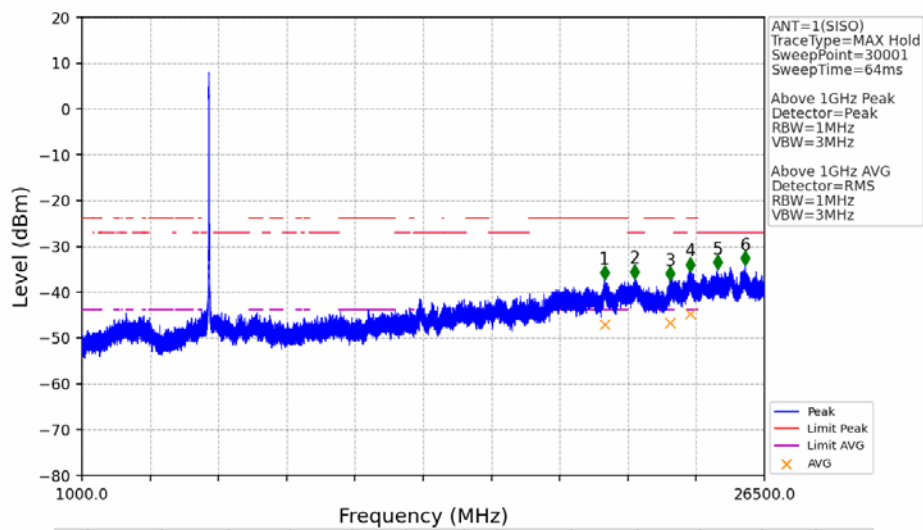


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	20806.7	-38.03	-21.20	14.18	Pass	Peak	7	20806.7	-48.80	-41.20	4.96	Pass	AVG
2	21700.9	-36.54	-27.00	6.89	Pass	Peak	8	21700.9	/	-27.00	/	/	AVG
3	23181.6	-36.47	-27.00	6.82	Pass	Peak	9	23181.6	/	-27.00	/	/	AVG
4	24241.55	-34.89	-27.00	5.24	Pass	Peak	10	24241.55	/	-27.00	/	/	AVG
5	25225	-34.36	-27.00	4.71	Pass	Peak	11	25225	/	-27.00	/	/	AVG
6	26485.55	-36.65	-27.00	7.00	Pass	Peak	12	26485.55	/	-27.00	/	/	AVG

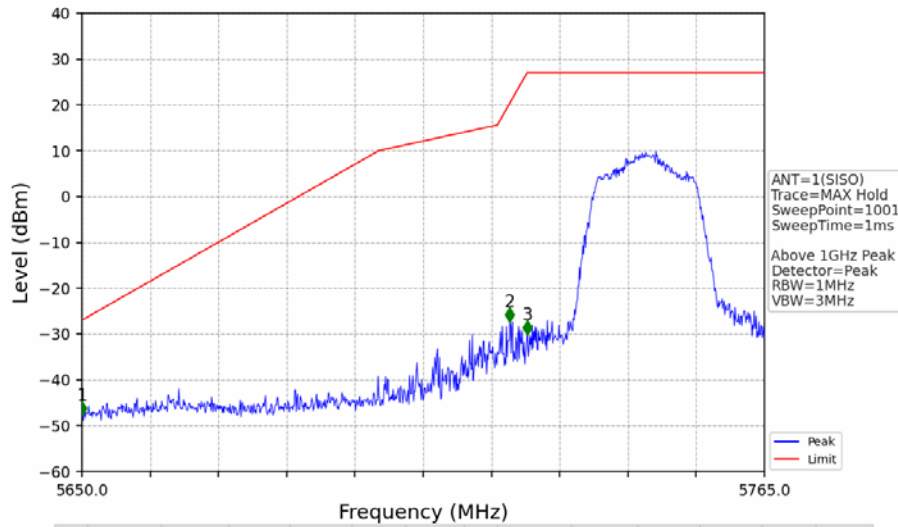
802.11a_HCH_5825MHz_Ant1_NTNV



802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



802.11n(HT20) LCH_5745MHz_Ant1_NTNV



802.11n(HT20) MCH_5785MHz_Ant1_NTNV

