

1. Duty Cycle

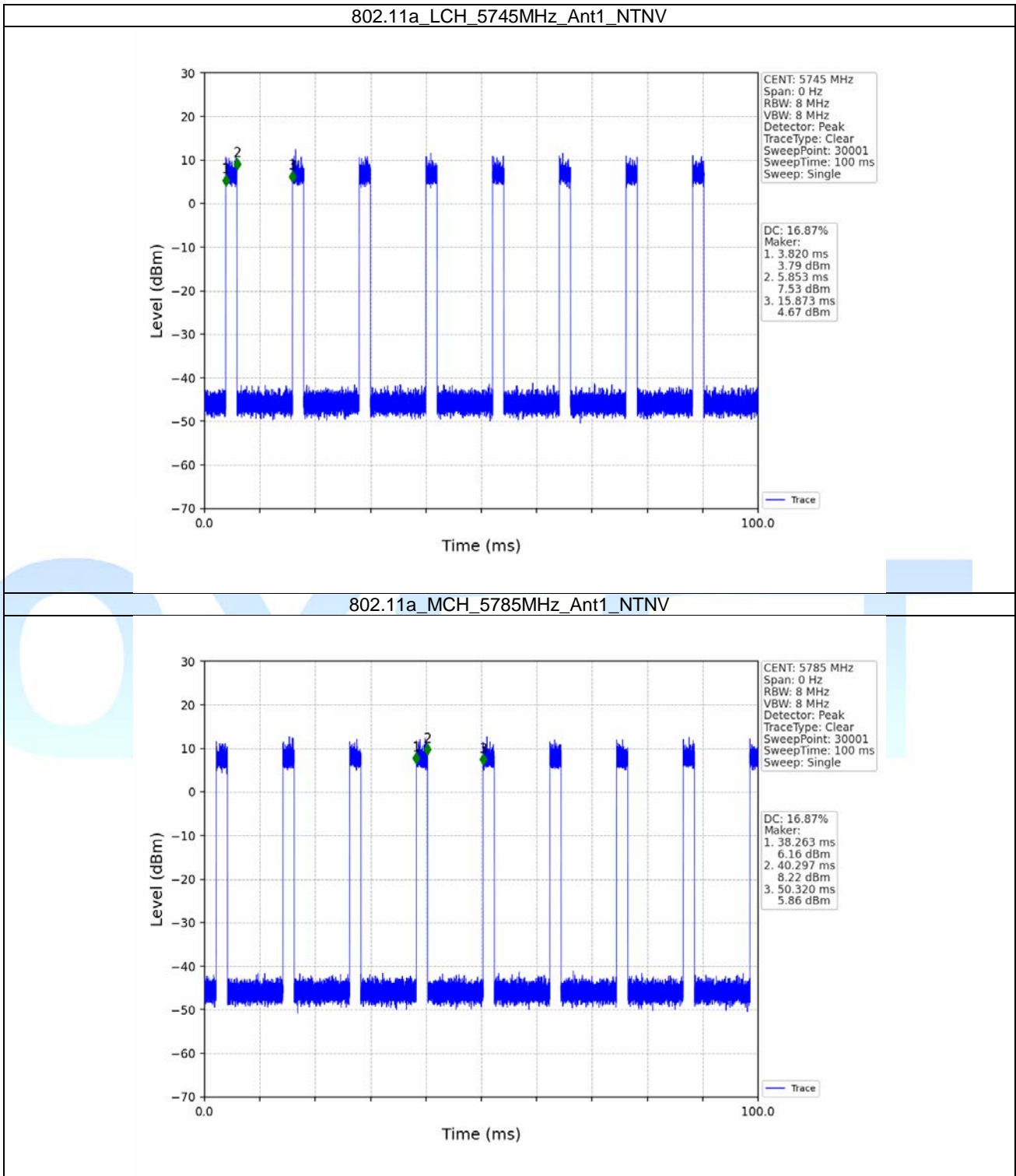
1.1 Test Result

1.1.1 Ant1

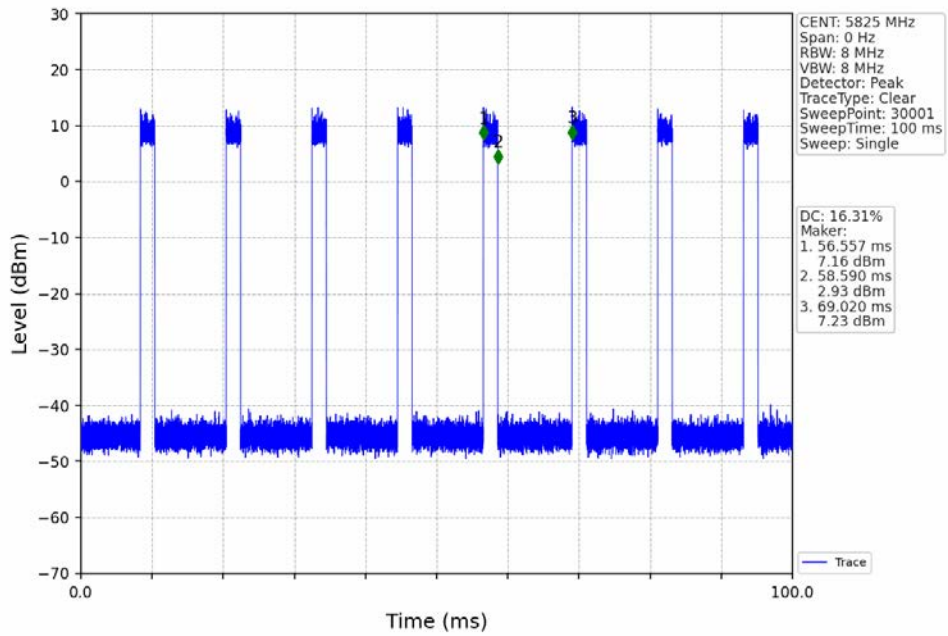
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5745	/	/	2.033	12.053	16.87	7.73	0.00
		5785	/	/	2.034	12.057	16.87	7.73	0.01
		5825	/	/	2.033	12.463	16.31	7.87	0.56
802.11n (HT20)	SISO	5745	/	/	1.894	11.914	15.90	7.99	0.03
		5785	/	/	1.894	11.917	15.89	7.99	0.03
		5825	/	/	1.893	11.913	15.89	7.99	0.03
802.11n (HT40)	SISO	5755	/	/	0.933	10.957	8.52	10.70	0.00
		5795	/	/	0.933	10.953	8.52	10.70	0.03
802.11ac (VHT20)	SISO	5745	/	/	1.900	11.920	15.94	7.98	0.03
		5785	/	/	1.900	11.923	15.94	7.98	0.03
		5825	/	/	1.900	11.917	15.94	7.97	0.03
802.11ac (VHT40)	SISO	5755	/	/	0.937	10.957	8.55	10.68	0.03
		5795	/	/	0.936	10.953	8.55	10.68	0.03
802.11ax (HEW20)	SISO	5745	RU242	Left	1.463	11.483	12.74	8.95	0.03
		5785	RU242	Left	1.463	11.483	12.74	8.95	0.03
		5825	RU242	Left	1.464	11.480	12.75	8.94	0.03
802.11ax (HEW40)	SISO	5755	RU484	Left	0.763	10.783	7.08	11.50	0.03
		5795	RU484	Left	0.764	10.780	7.09	11.50	0.00

1.2 Test Graph

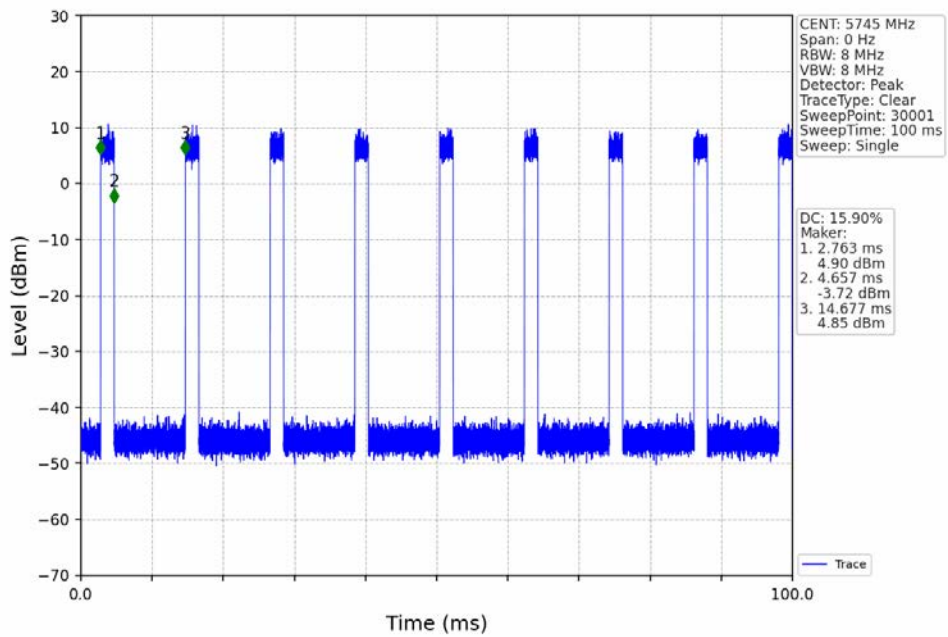
1.2.1 Ant1



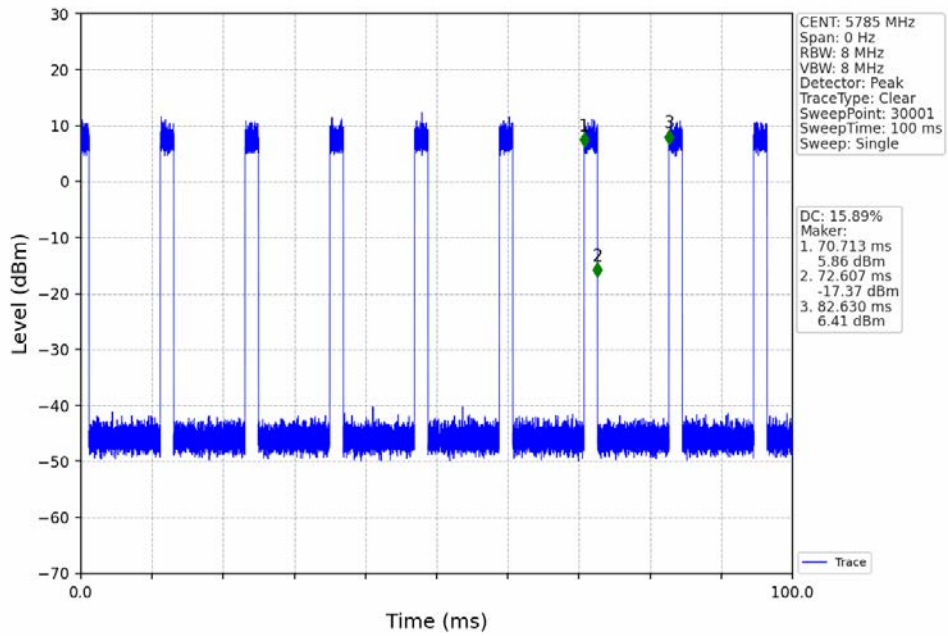
802.11a_HCH_5825MHz_Ant1_NTNV



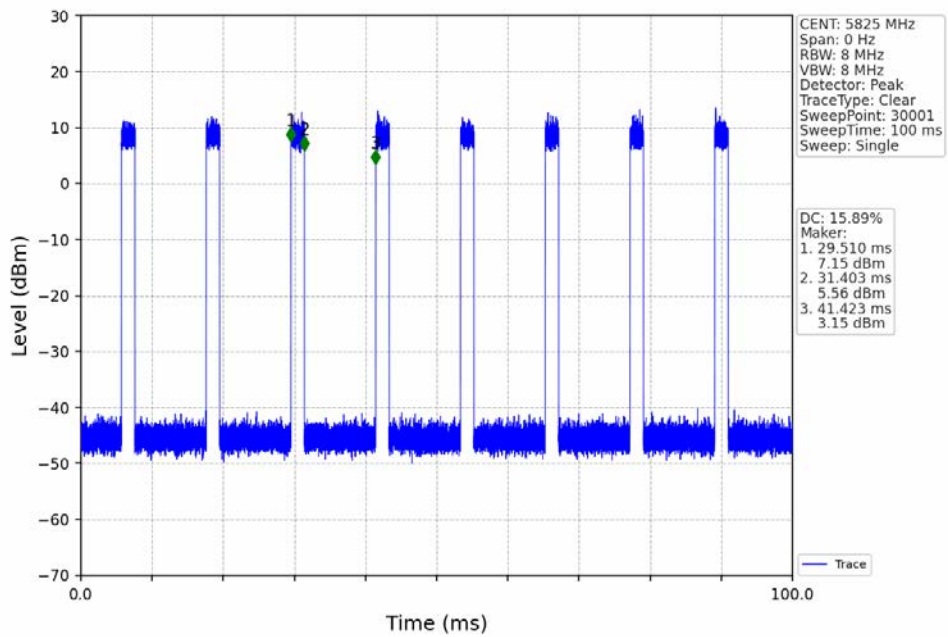
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



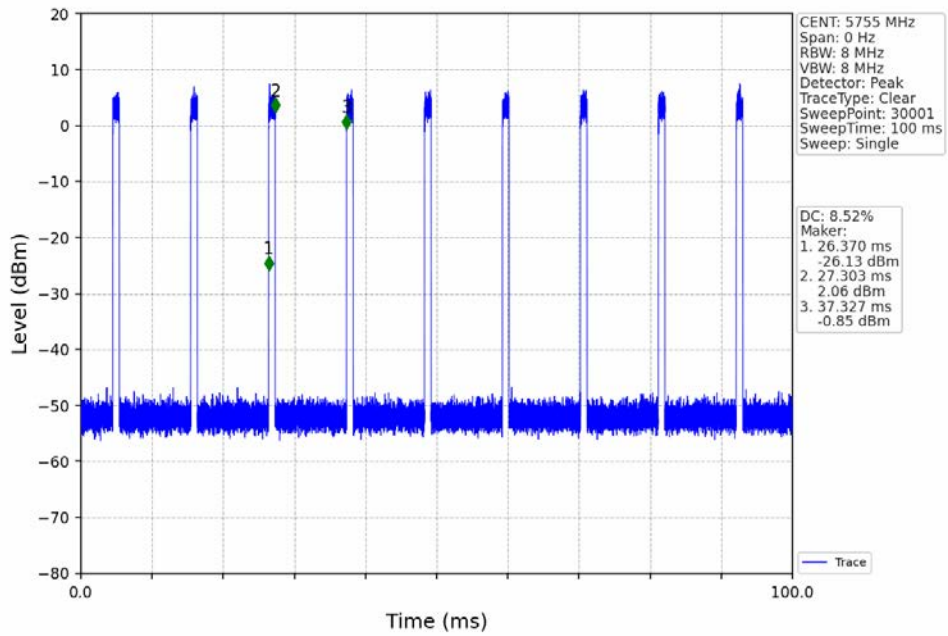
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



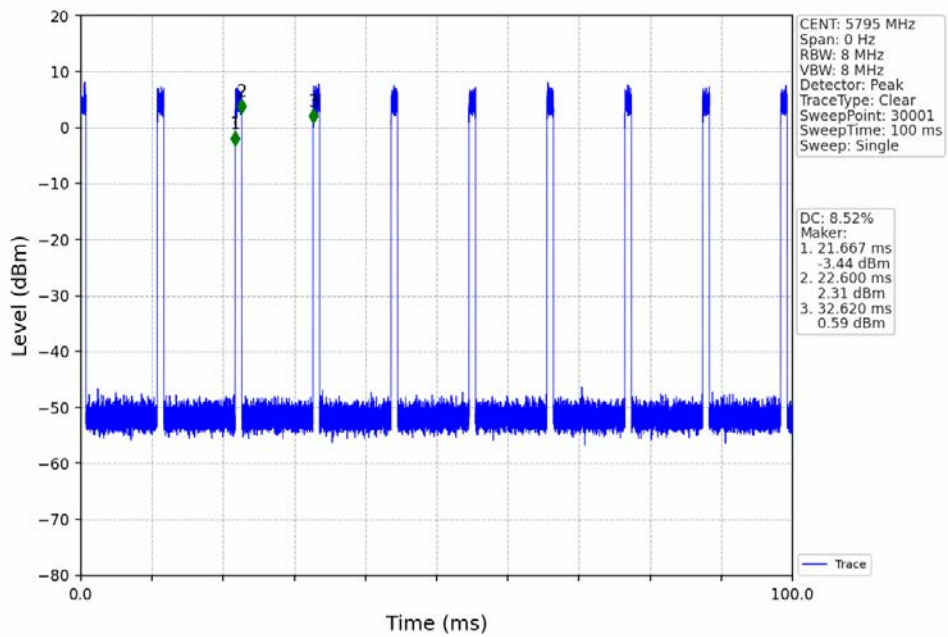
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



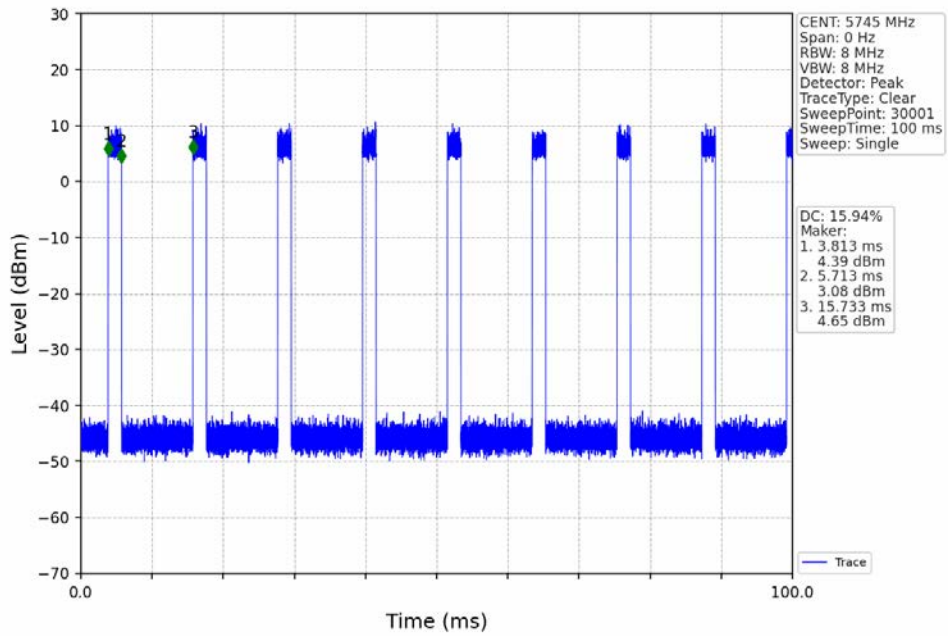
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



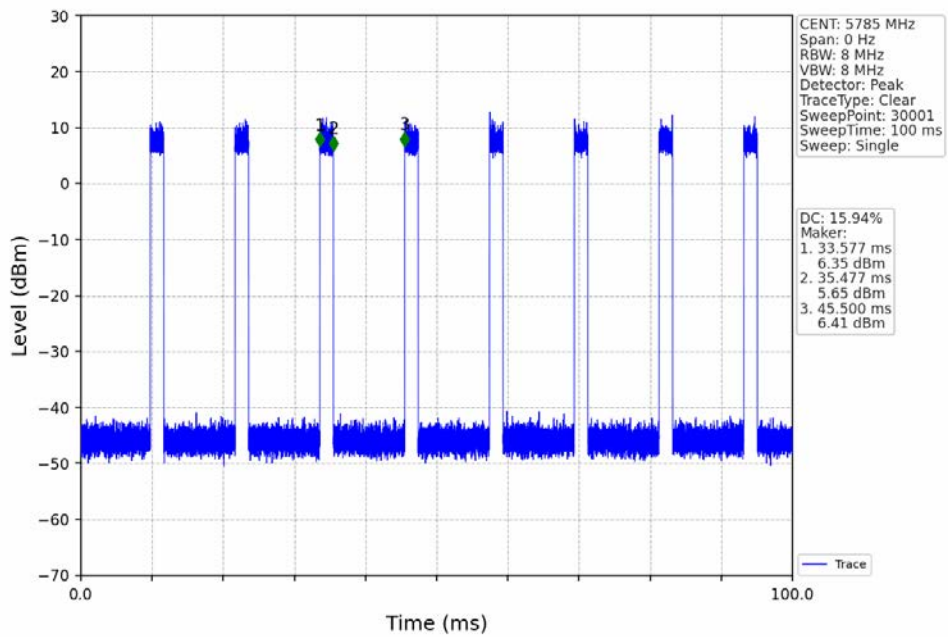
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



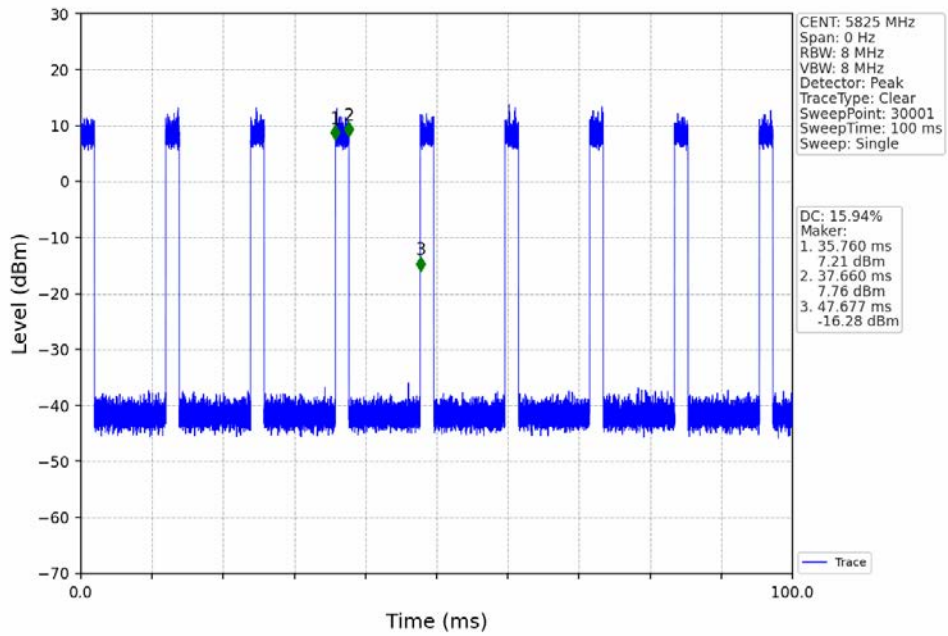
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



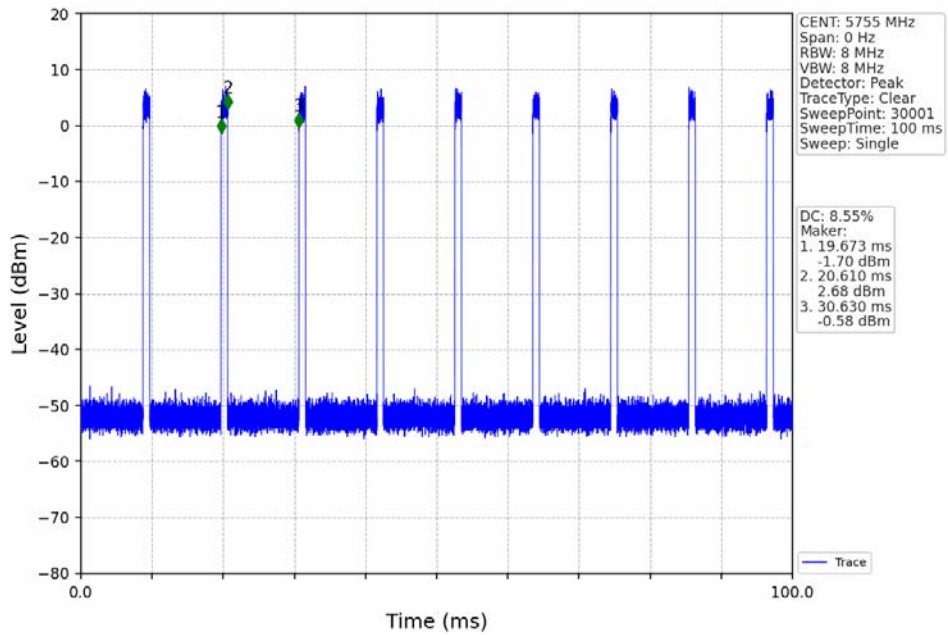
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



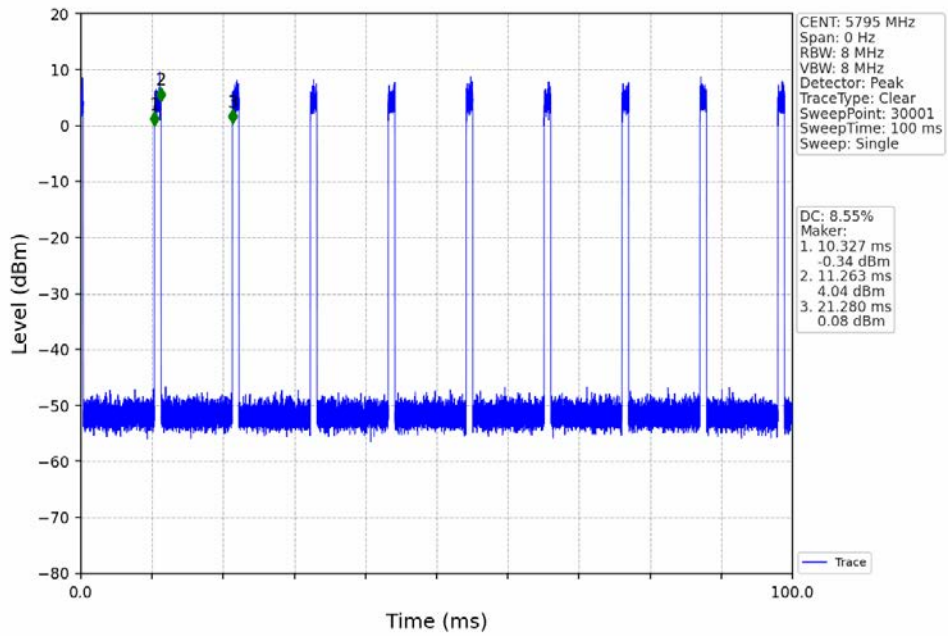
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



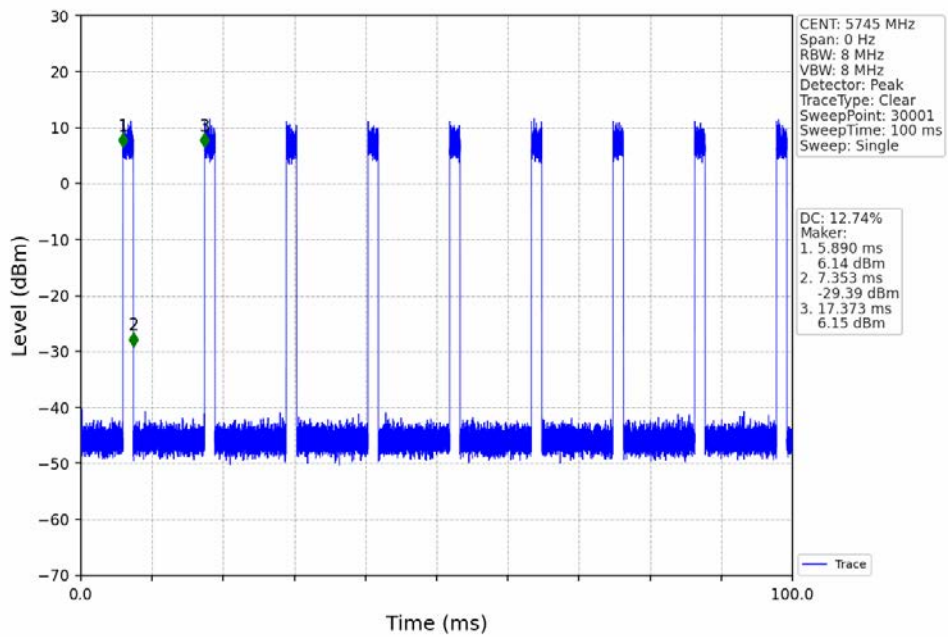
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



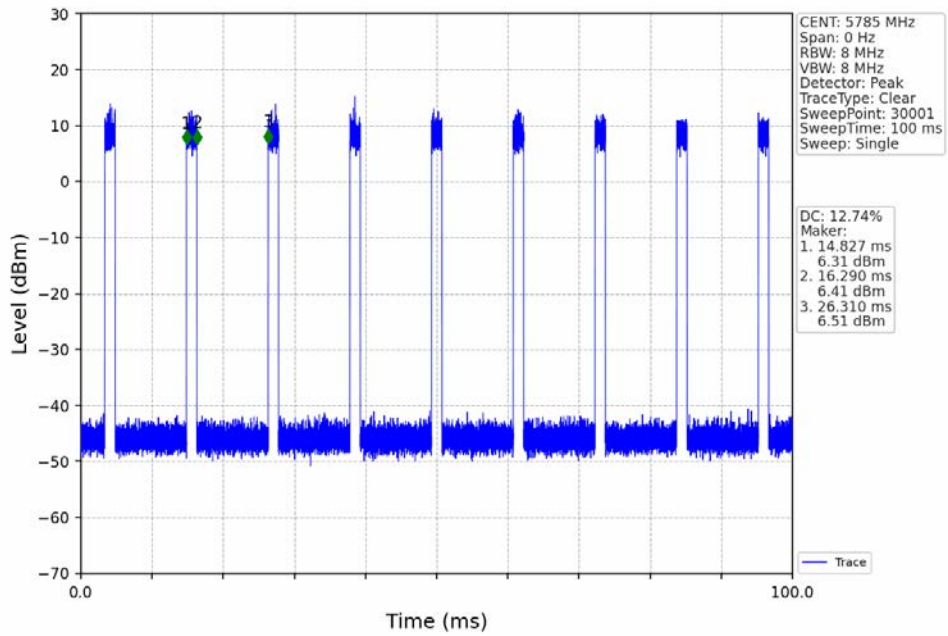
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



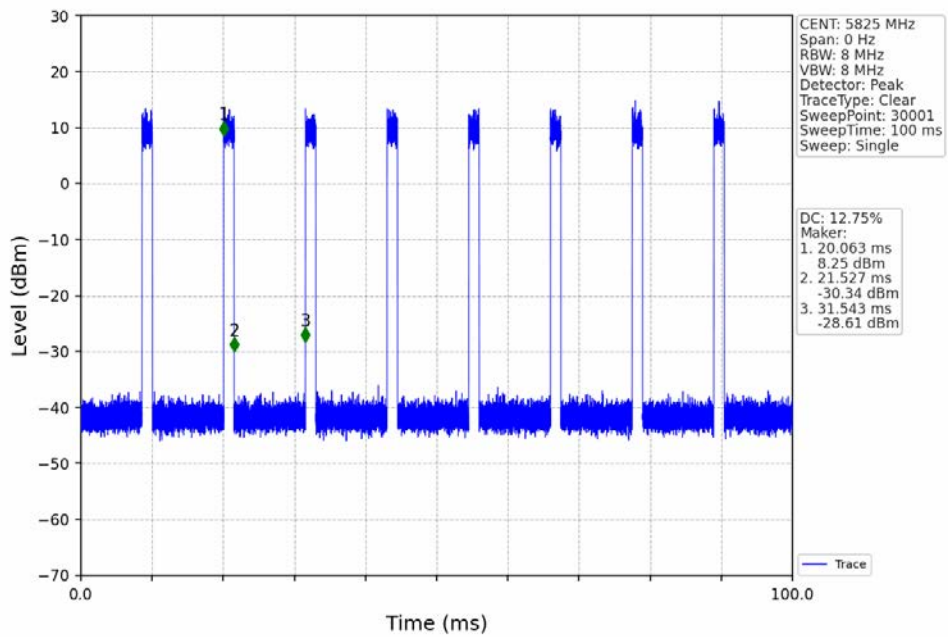
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



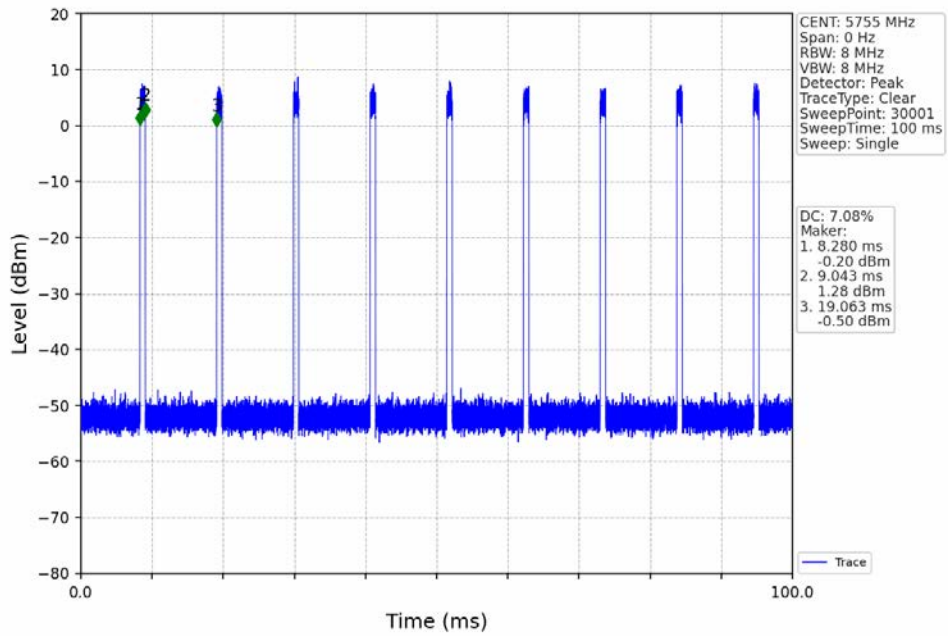
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



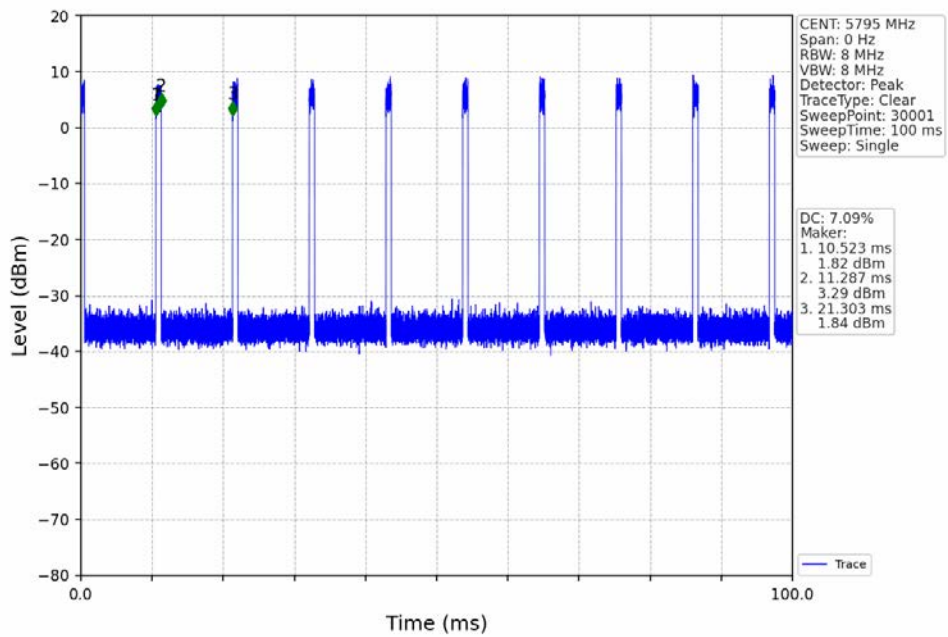
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



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

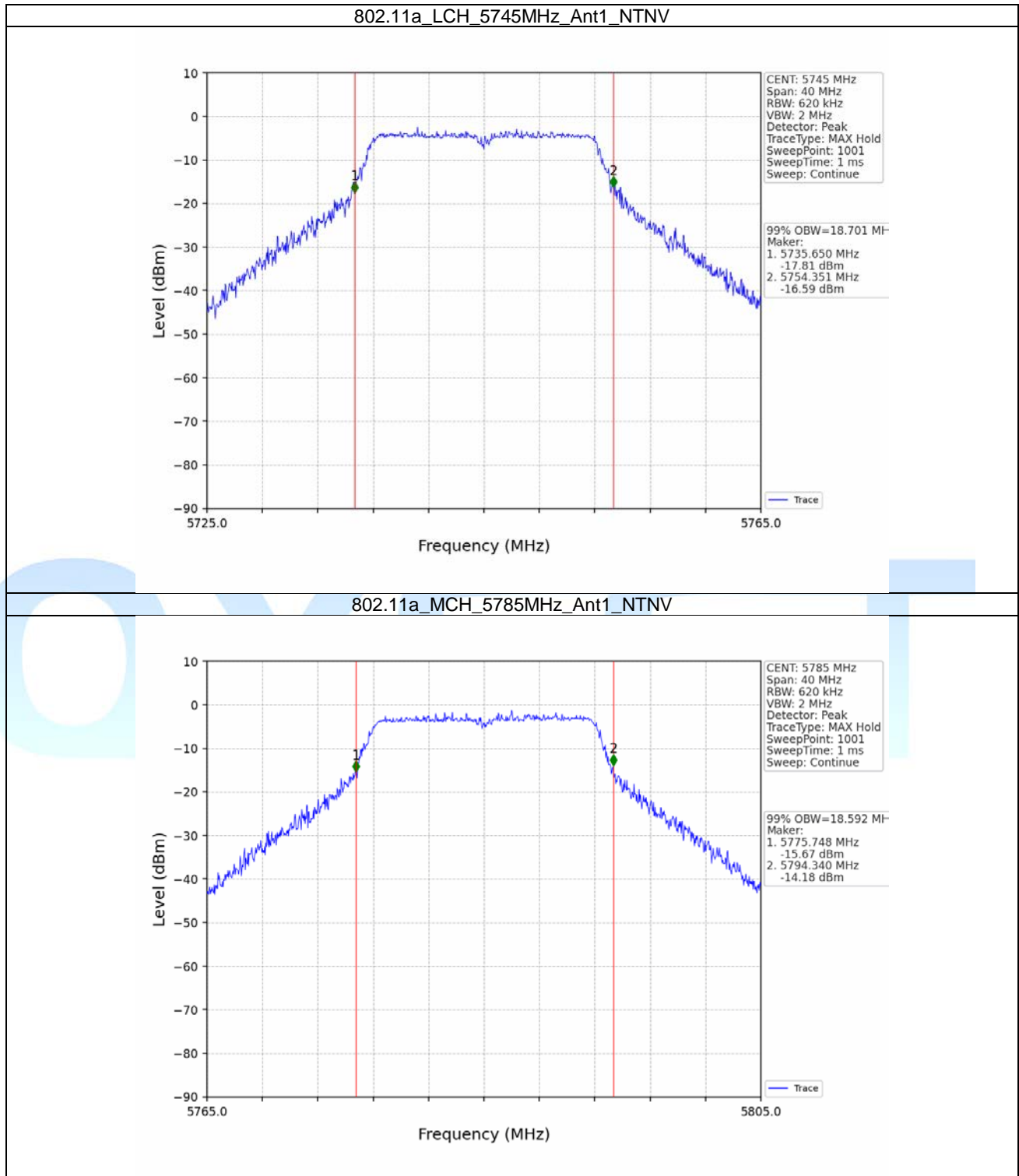
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	18.701	/	Pass
		5785	/	/	1	18.592	/	Pass
		5825	/	/	1	18.671	/	Pass
802.11n (HT20)	SISO	5745	/	/	1	19.611	/	Pass
		5785	/	/	1	19.784	/	Pass
		5825	/	/	1	19.634	/	Pass
802.11n (HT40)	SISO	5755	/	/	1	37.755	/	Pass
		5795	/	/	1	37.774	/	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	19.542	/	Pass
		5785	/	/	1	19.742	/	Pass
		5825	/	/	1	19.561	/	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	37.865	/	Pass
		5795	/	/	1	37.880	/	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	20.172	/	Pass
		5785	RU242	Left	1	20.065	/	Pass
		5825	RU242	Left	1	20.061	/	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	38.890	/	Pass
		5795	RU484	Left	1	38.753	/	Pass

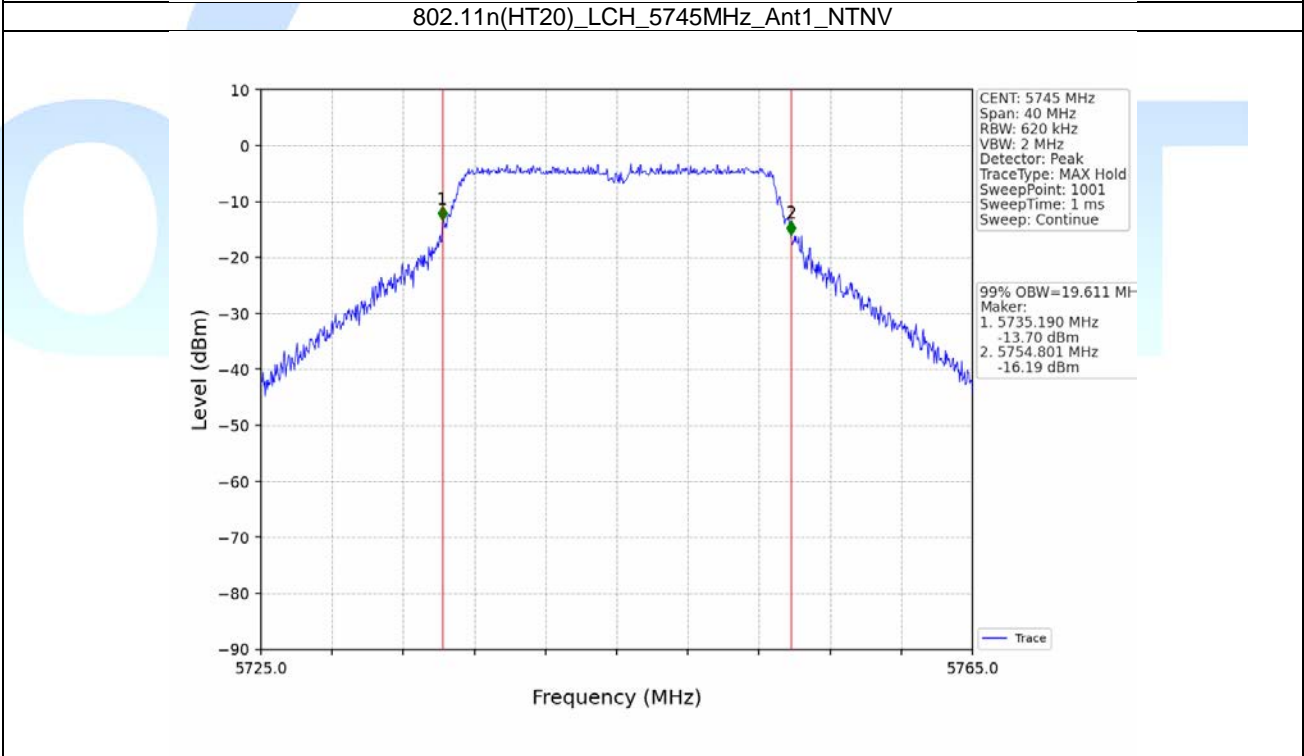
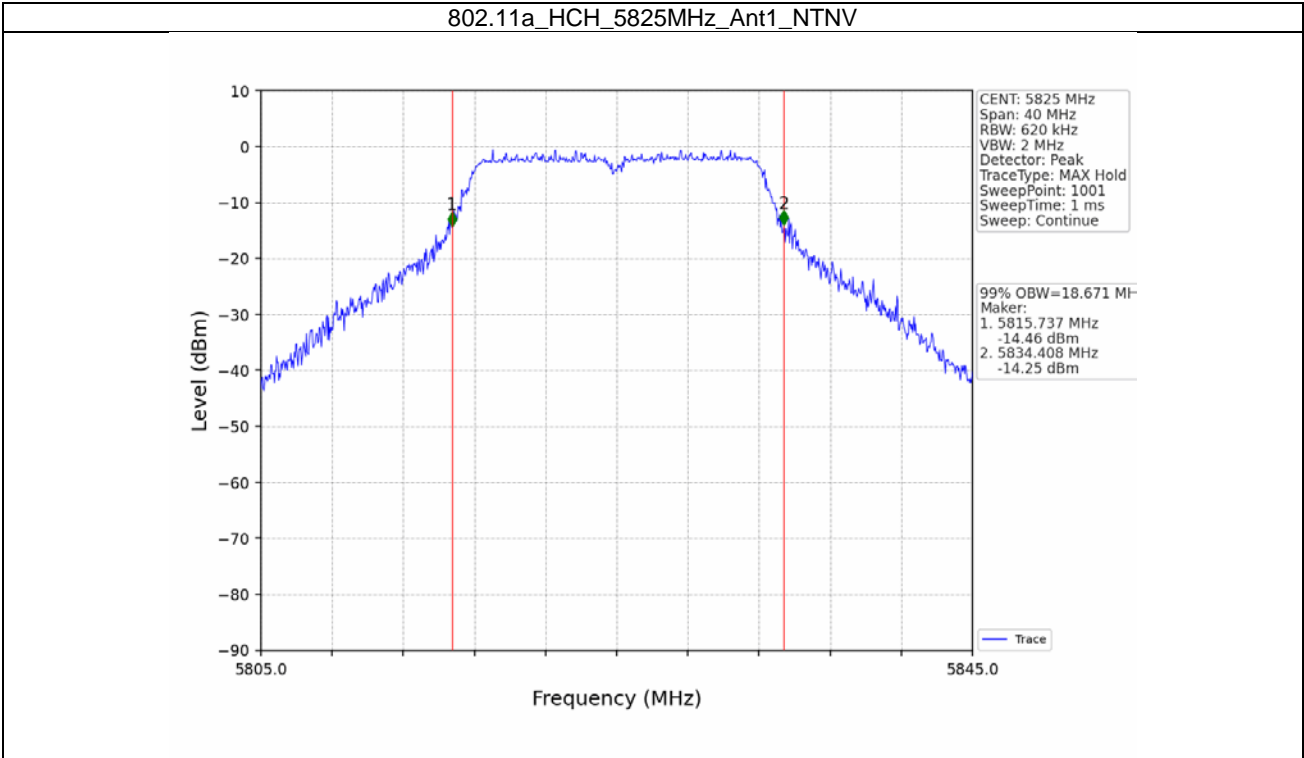
2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.391	>=0.5	Pass
		5785	/	/	1	16.392	>=0.5	Pass
		5825	/	/	1	16.371	>=0.5	Pass
802.11n (HT20)	SISO	5745	/	/	1	17.634	>=0.5	Pass
		5785	/	/	1	17.636	>=0.5	Pass
		5825	/	/	1	17.633	>=0.5	Pass
802.11n (HT40)	SISO	5755	/	/	1	36.364	>=0.5	Pass
		5795	/	/	1	36.375	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.641	>=0.5	Pass
		5785	/	/	1	17.588	>=0.5	Pass
		5825	/	/	1	17.655	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.357	>=0.5	Pass
		5795	/	/	1	36.348	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	18.968	>=0.5	Pass
		5785	RU242	Left	1	18.967	>=0.5	Pass
		5825	RU242	Left	1	18.973	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	38.081	>=0.5	Pass
		5795	RU484	Left	1	37.928	>=0.5	Pass

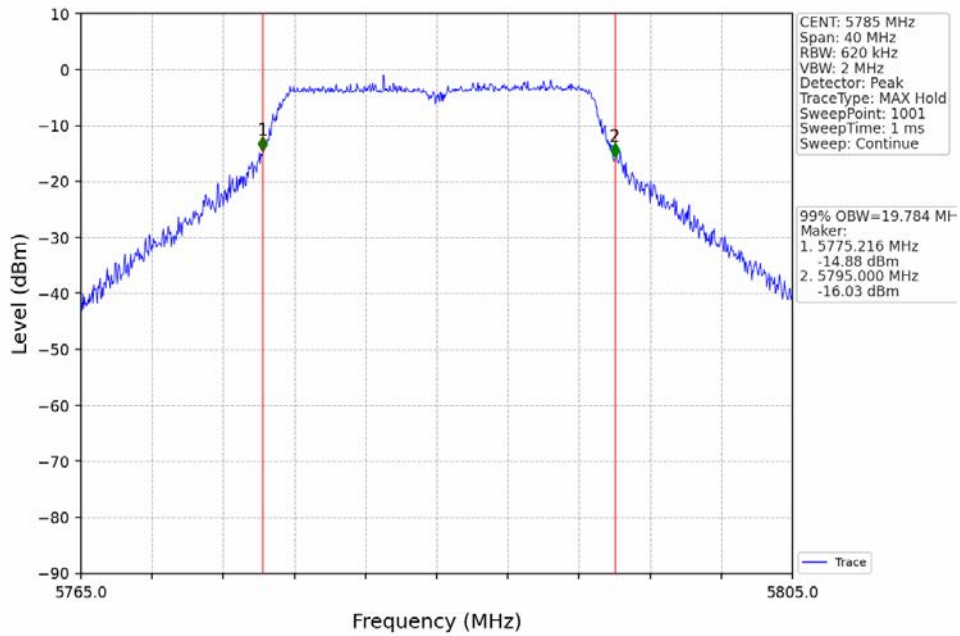
2.2 Test Graph

2.2.1 OBW

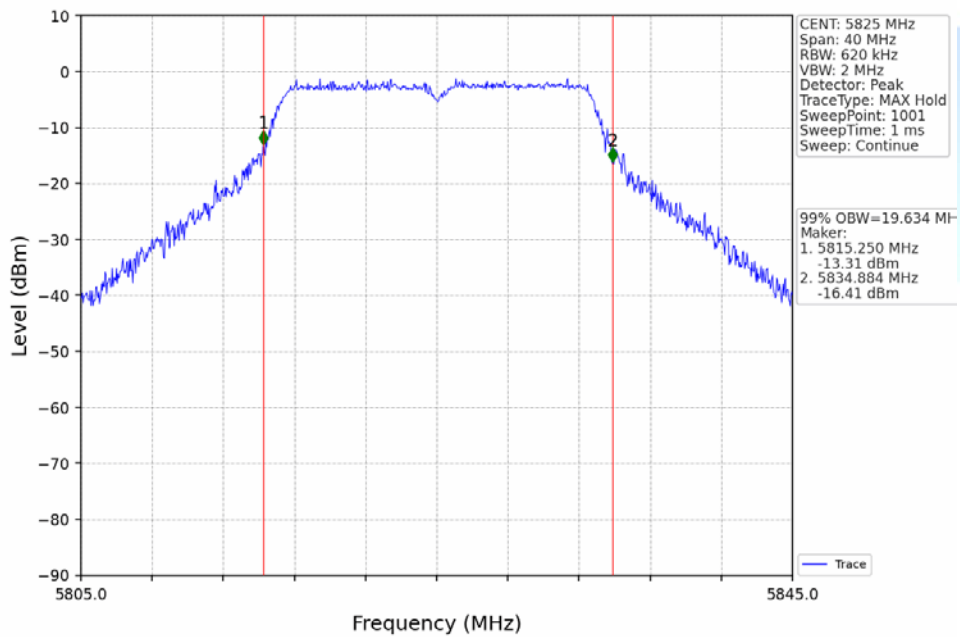




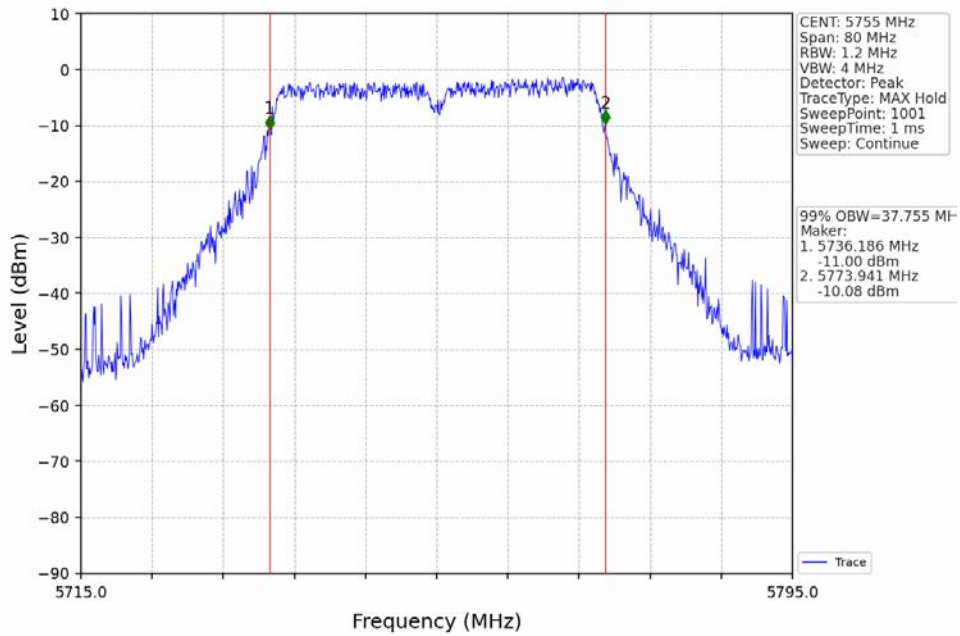
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



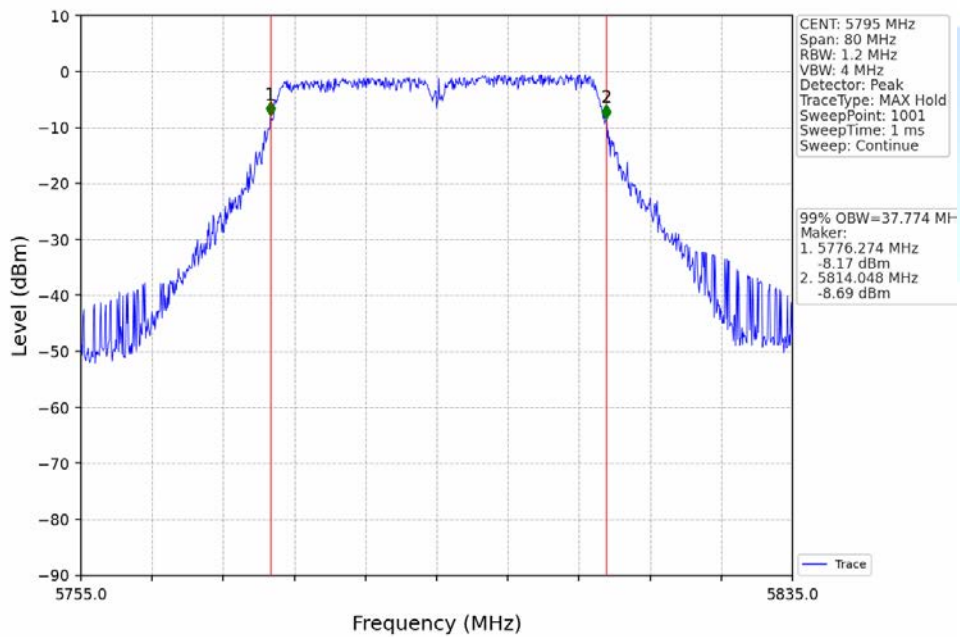
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



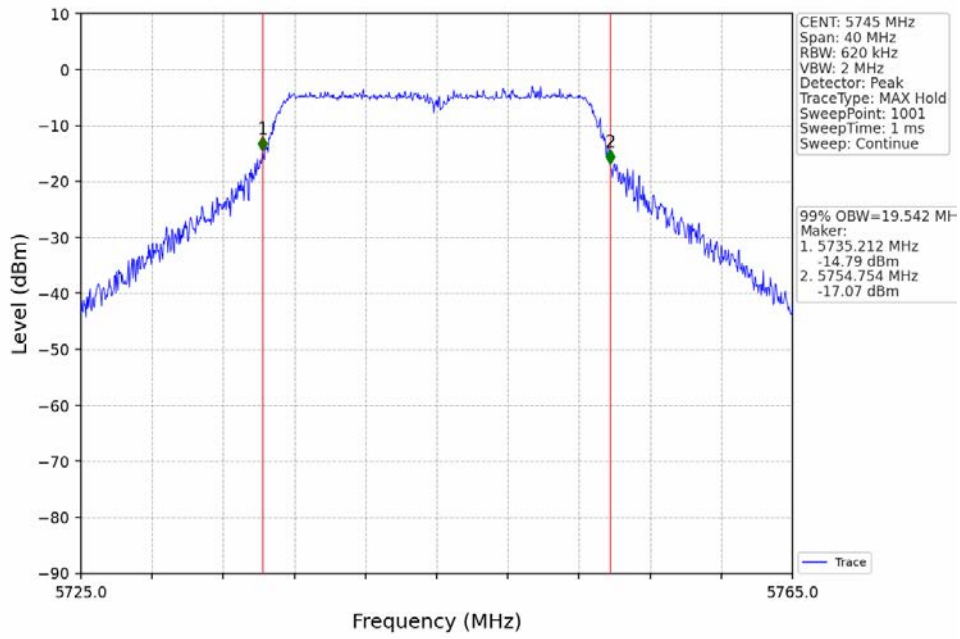
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



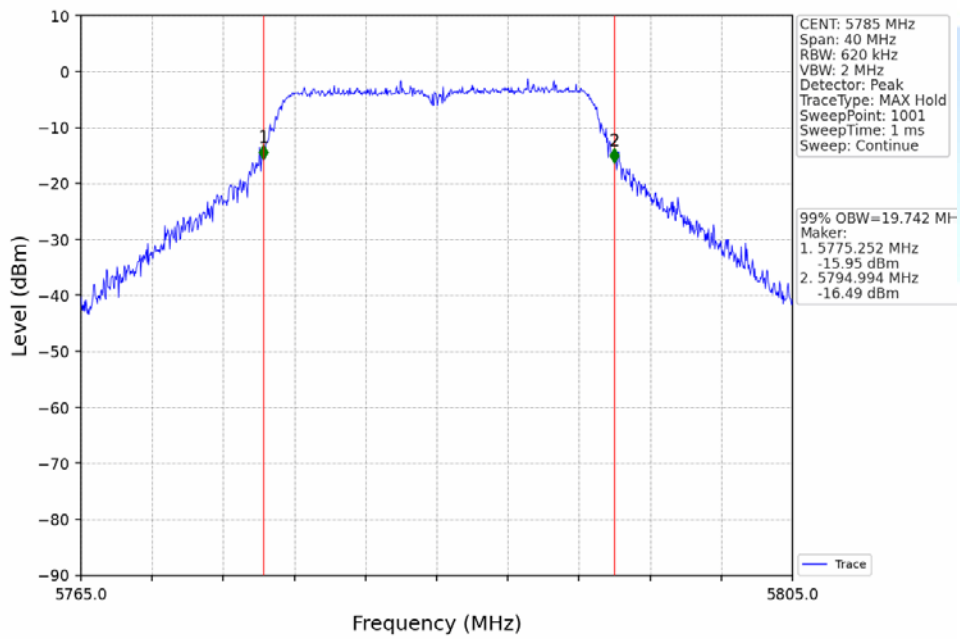
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



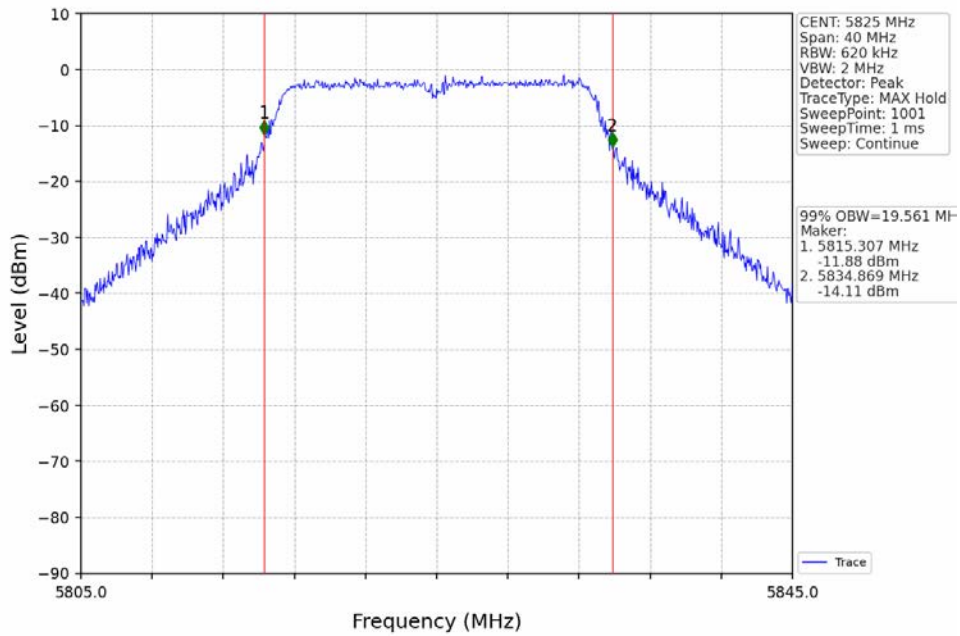
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



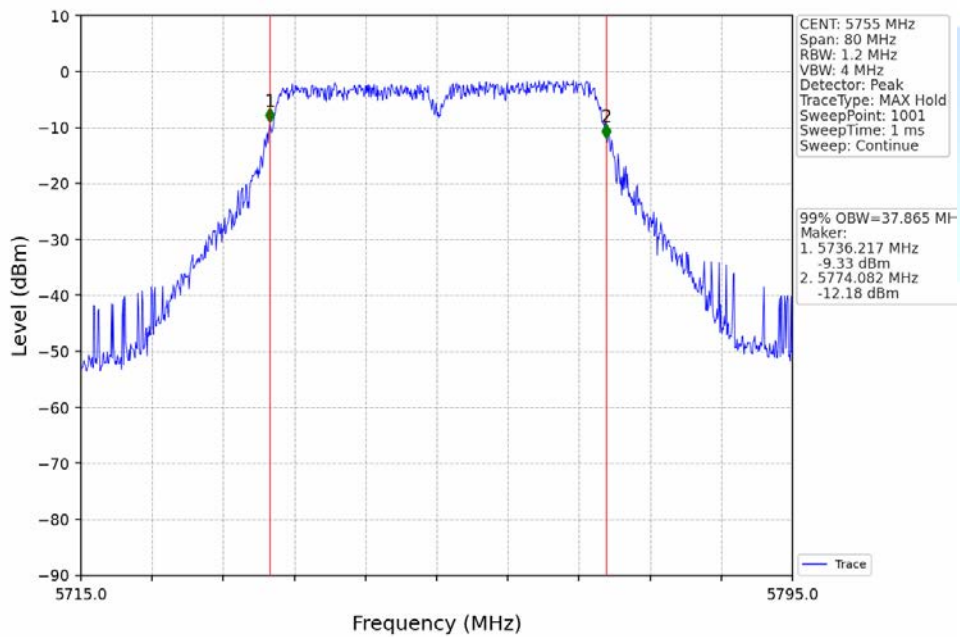
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



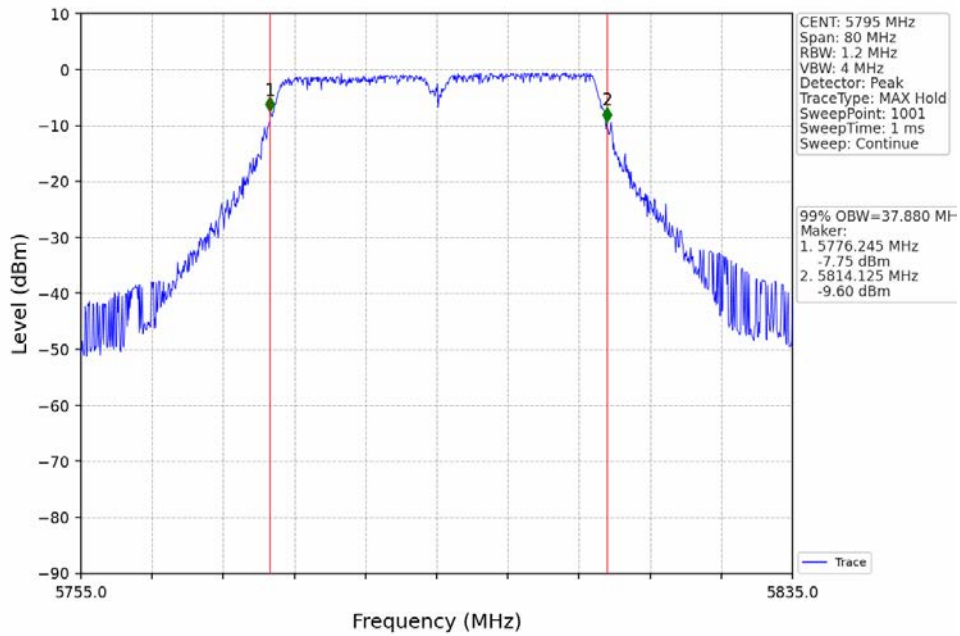
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



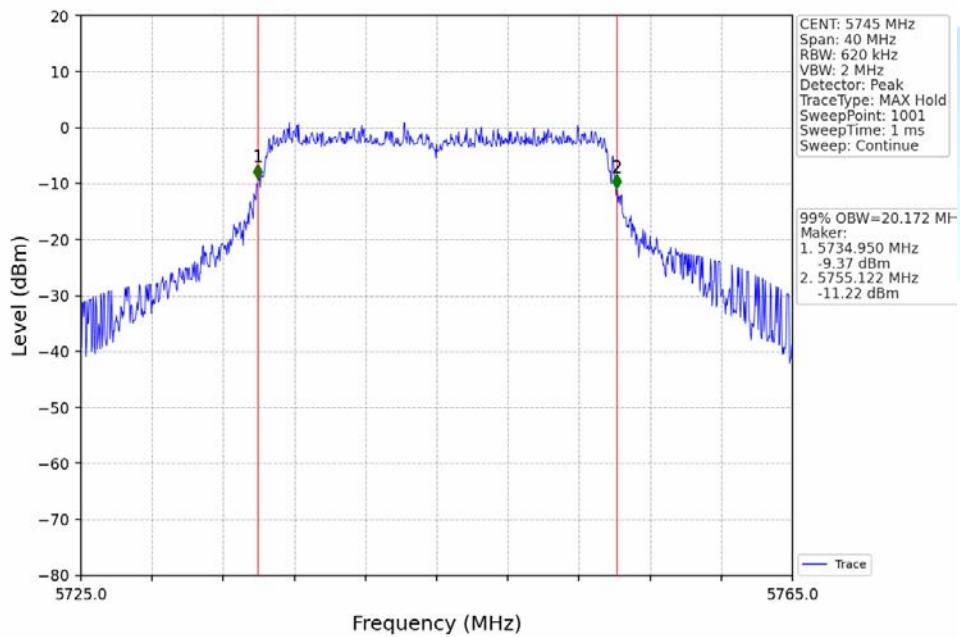
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



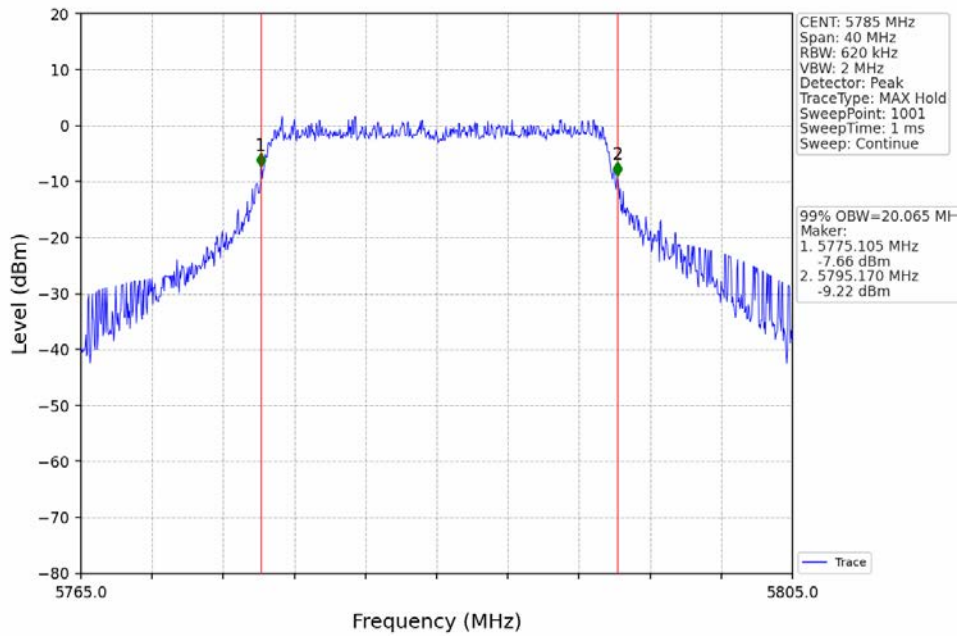
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



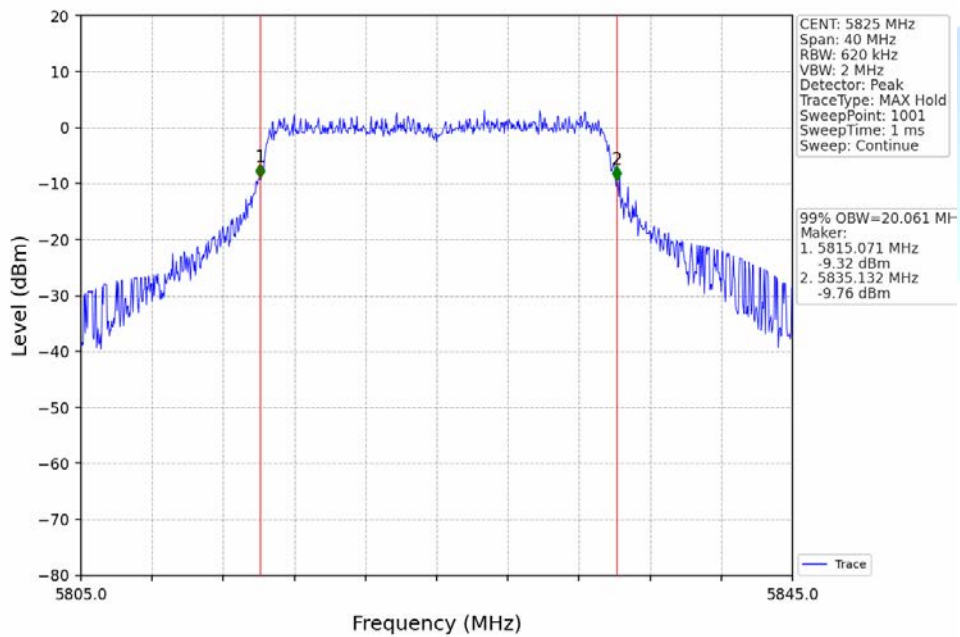
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



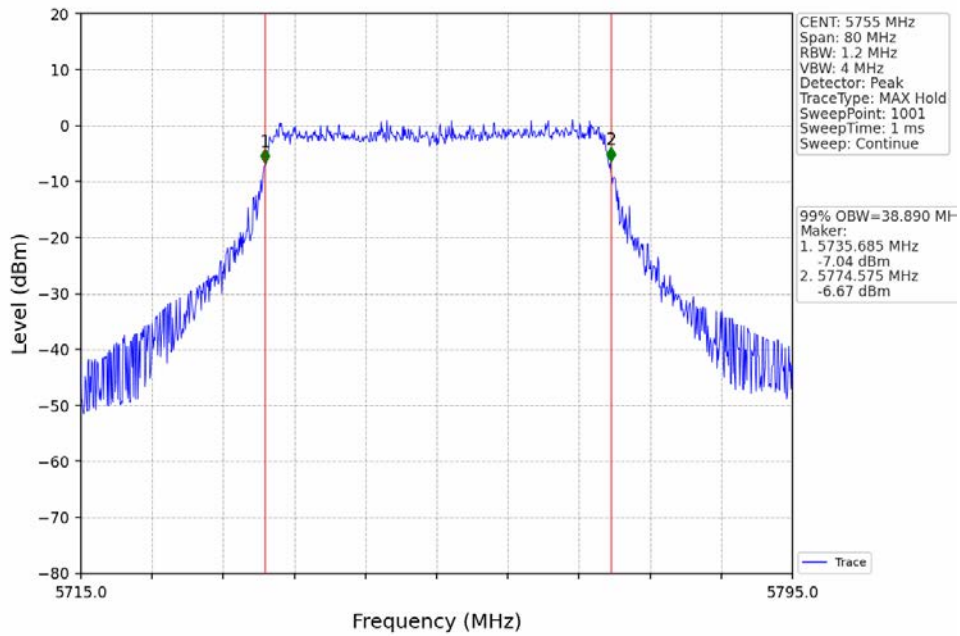
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



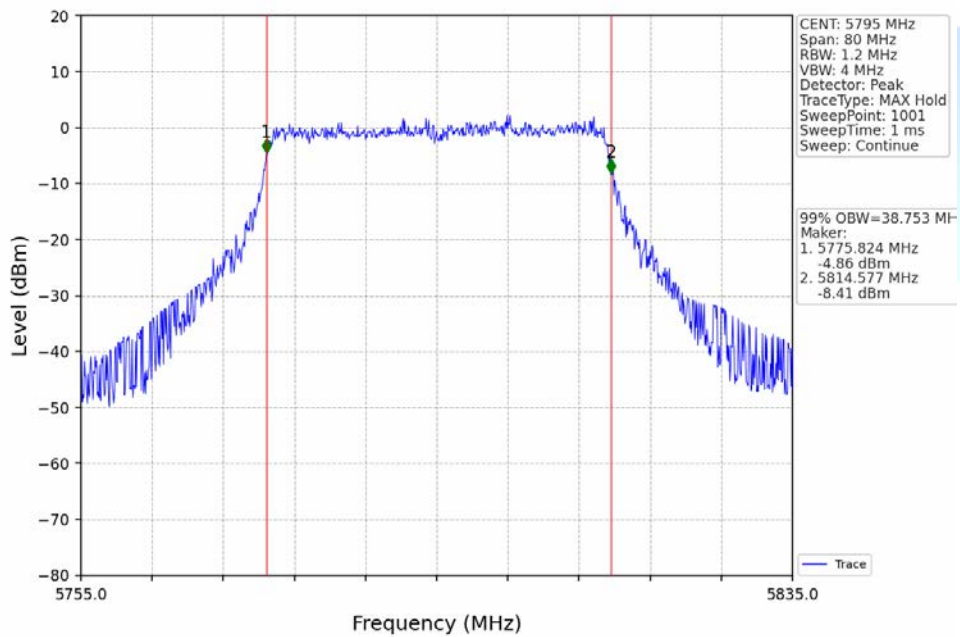
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



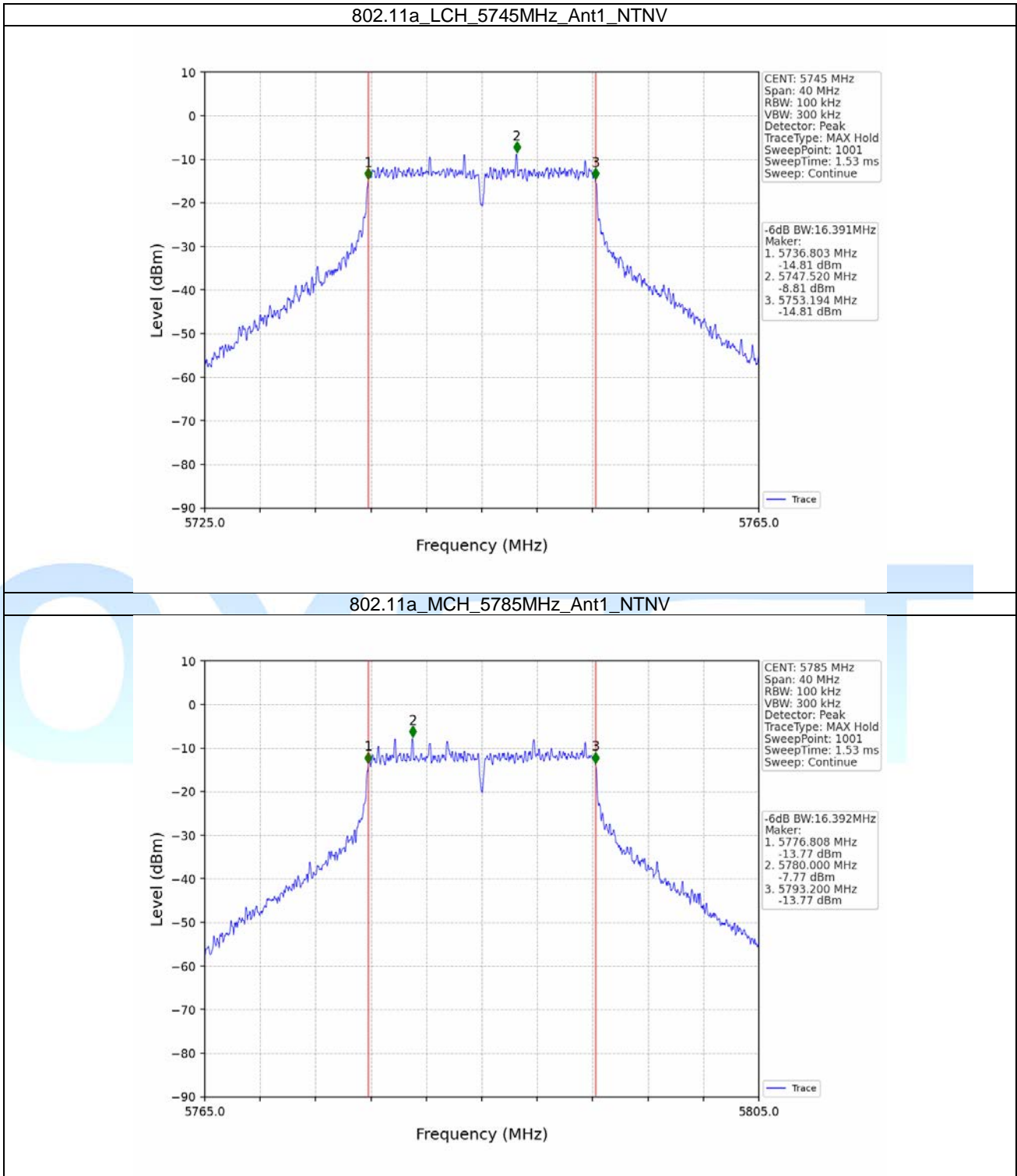
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV

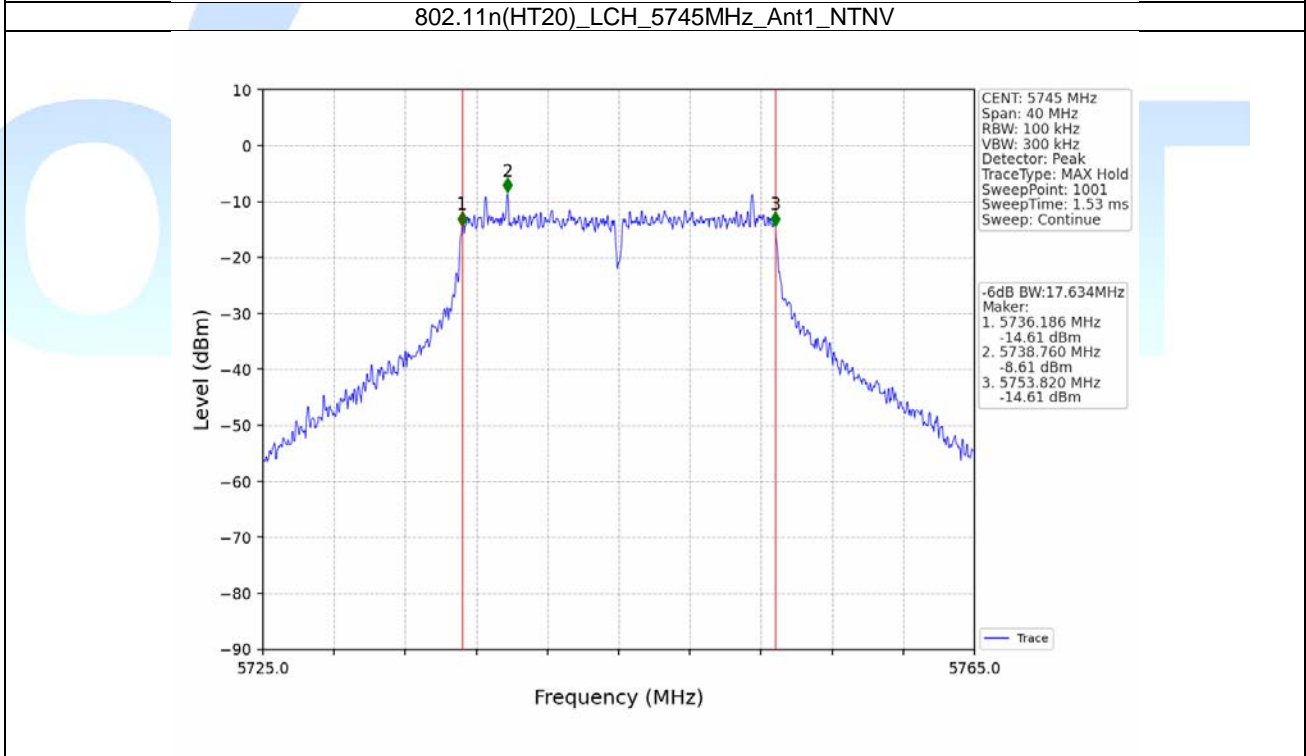
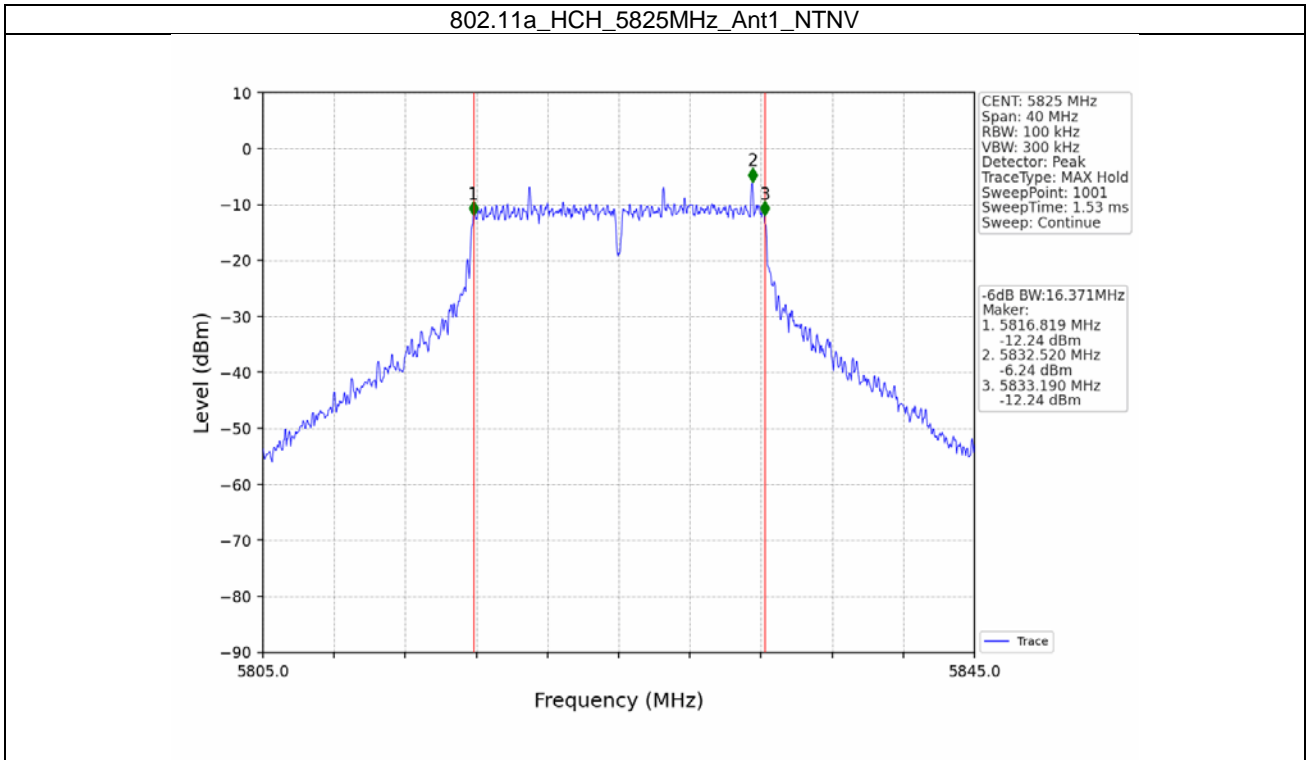


802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV

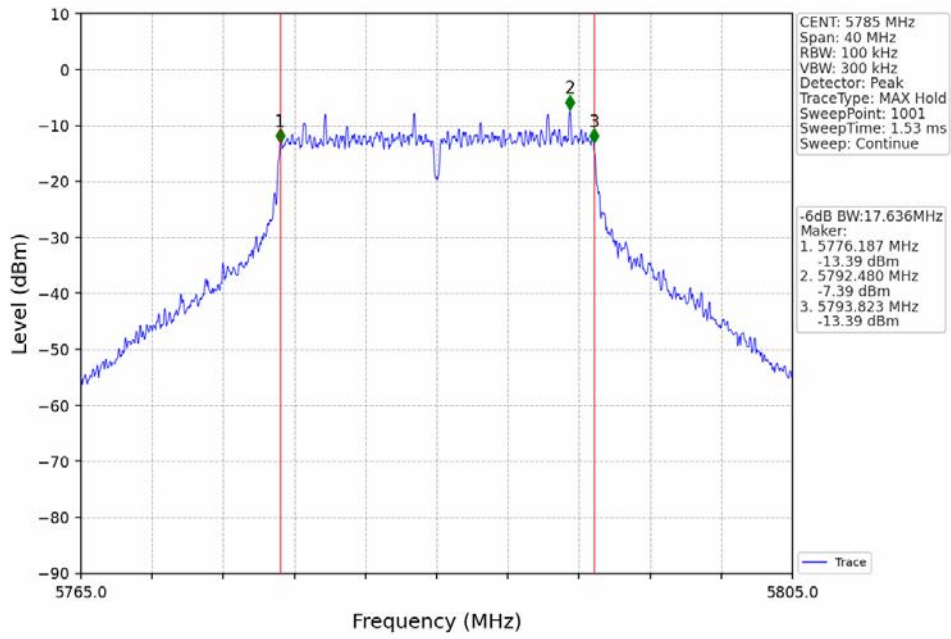


2.2.2 6dB BW

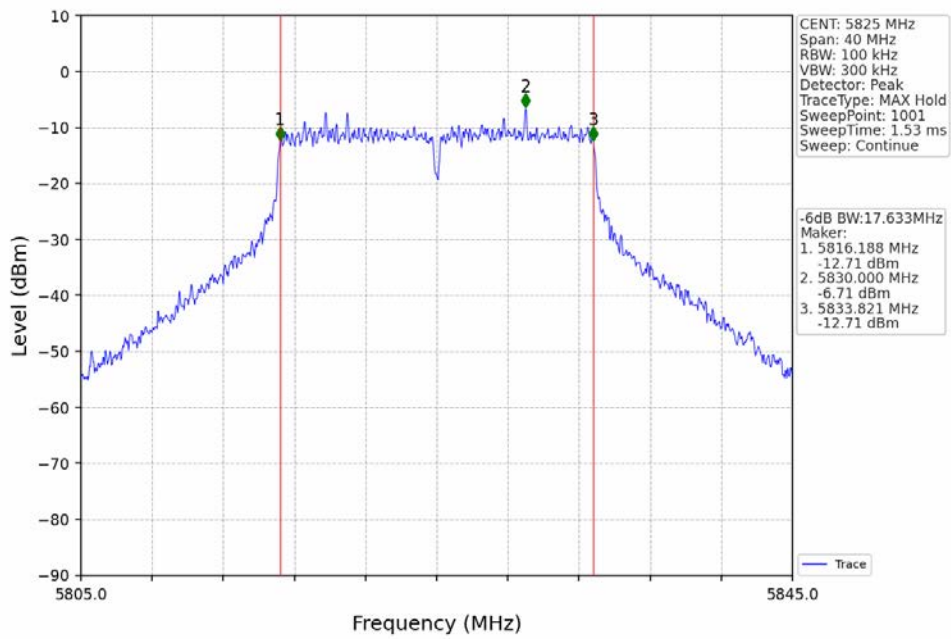




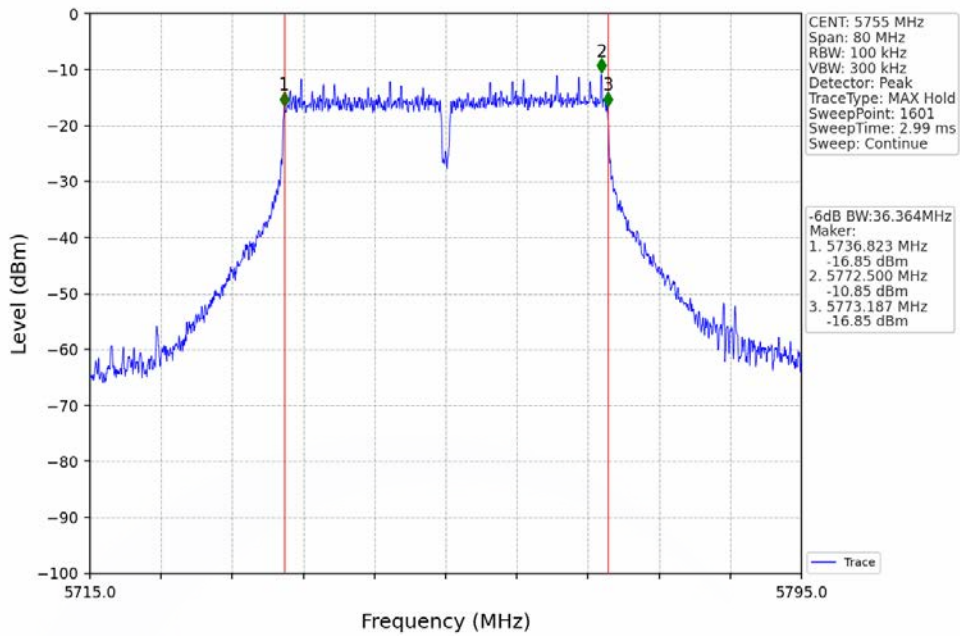
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



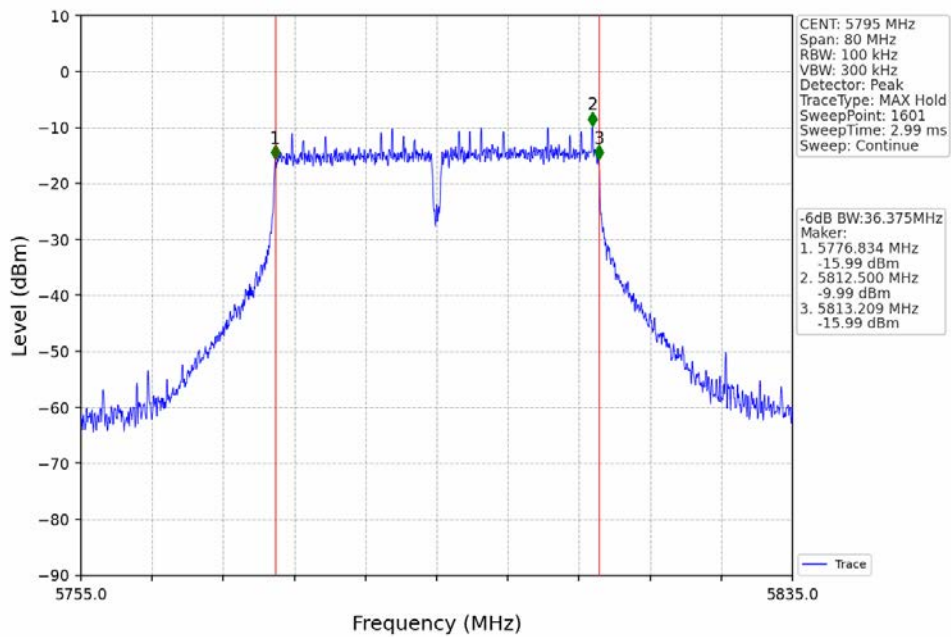
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



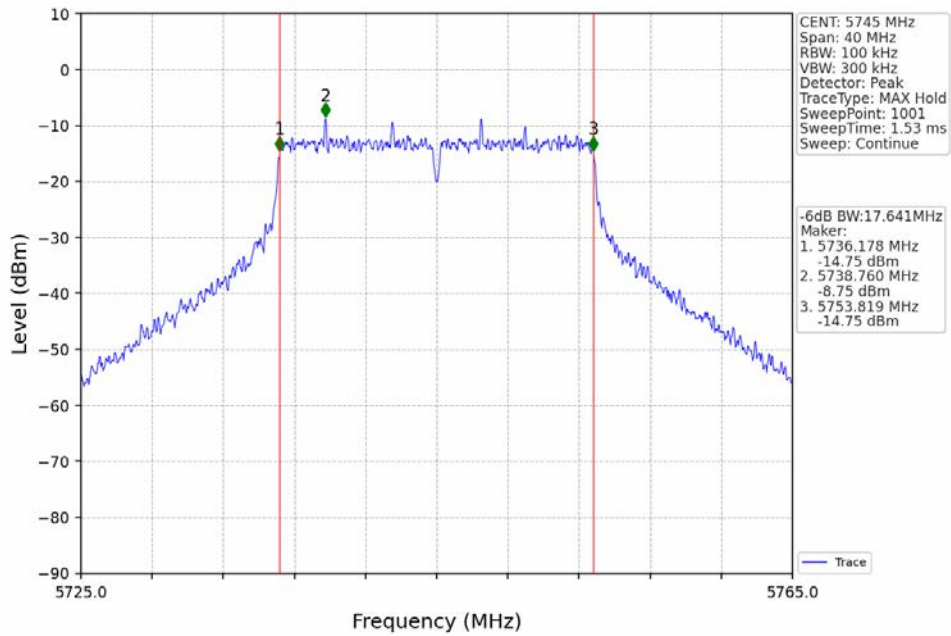
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



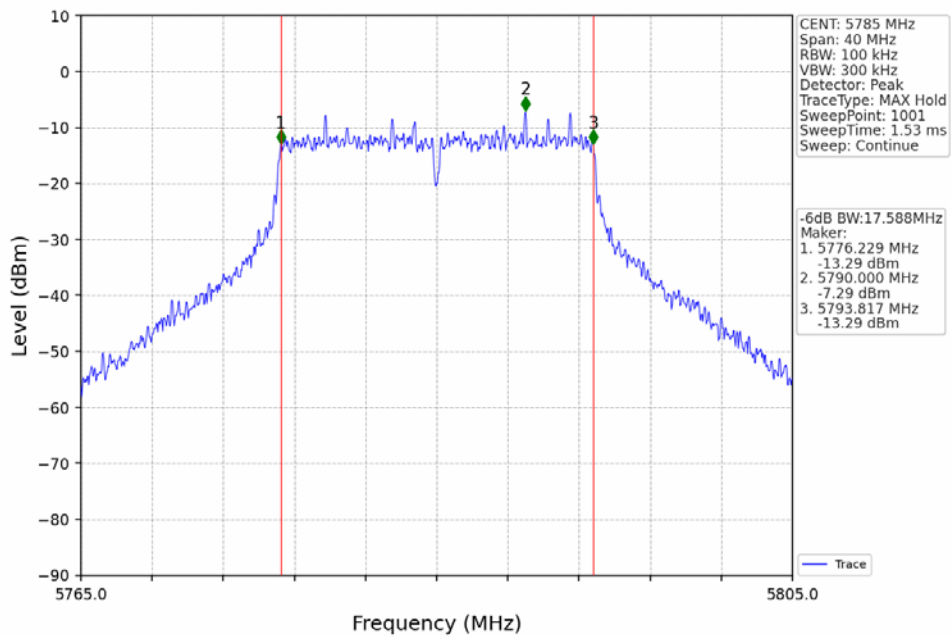
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



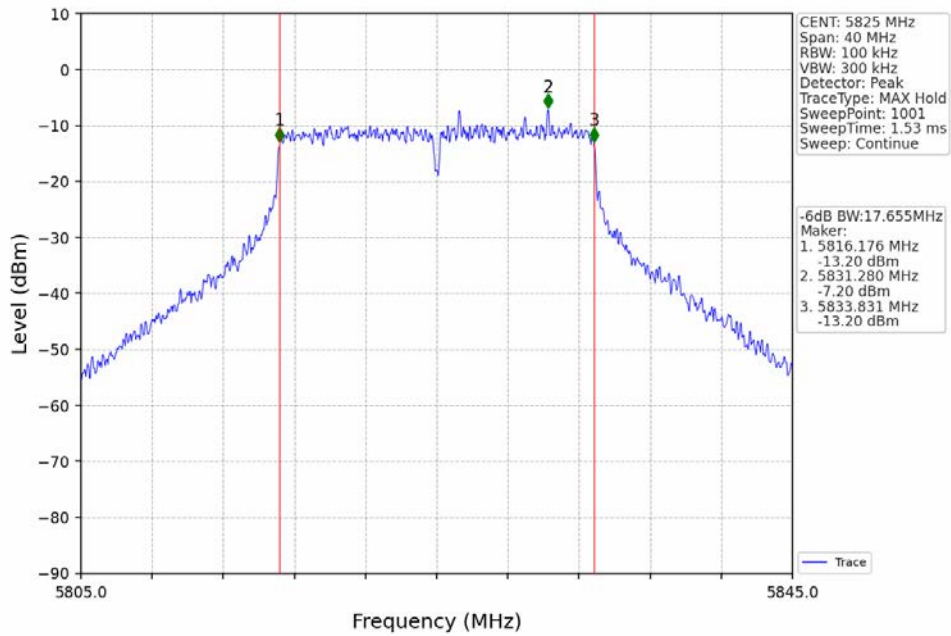
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



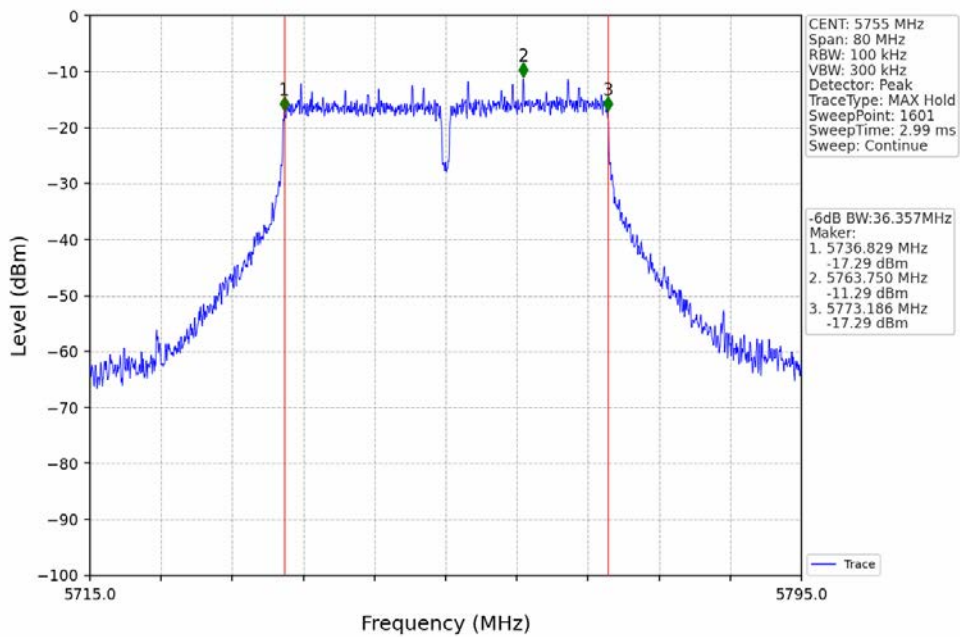
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



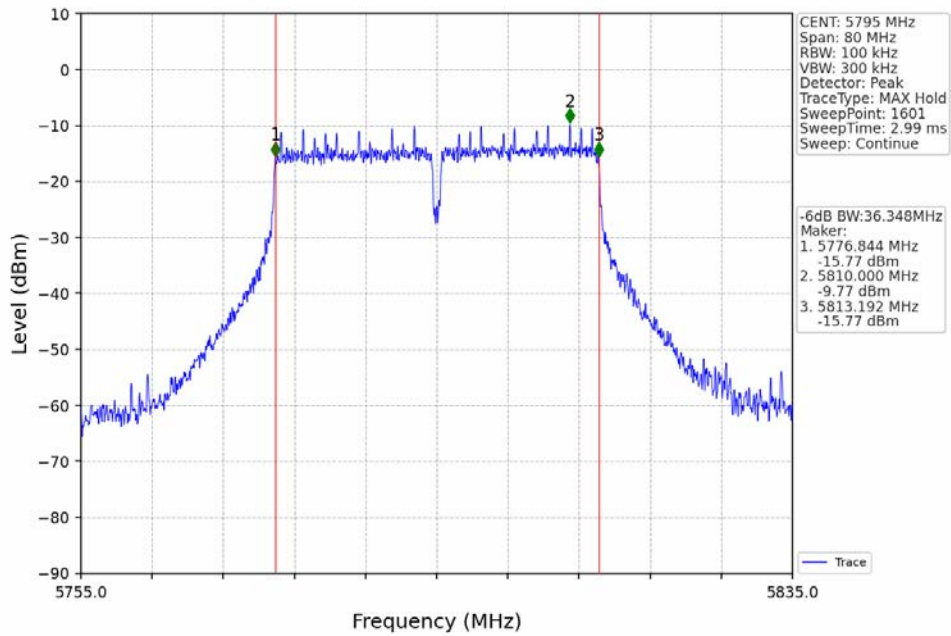
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



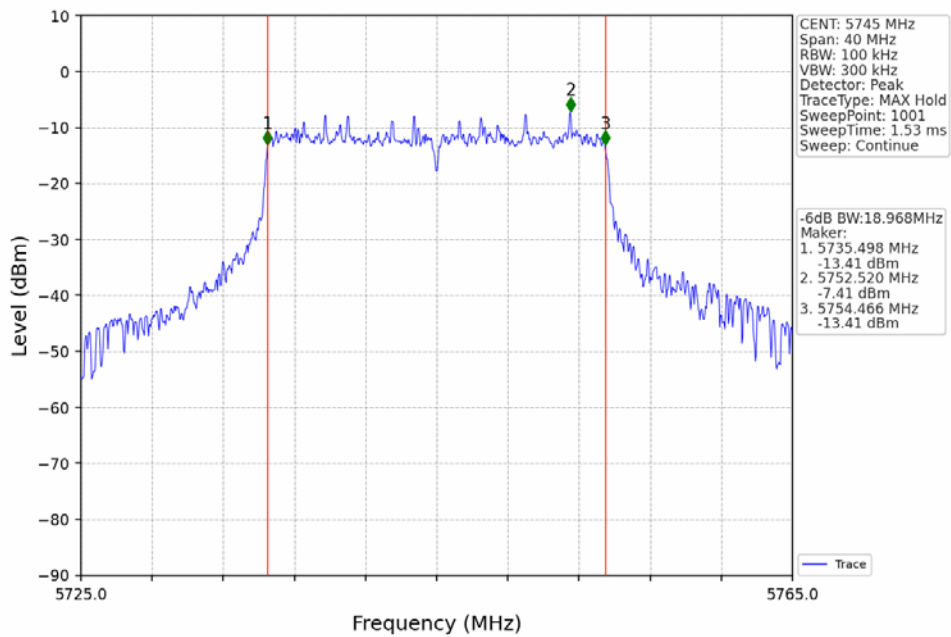
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



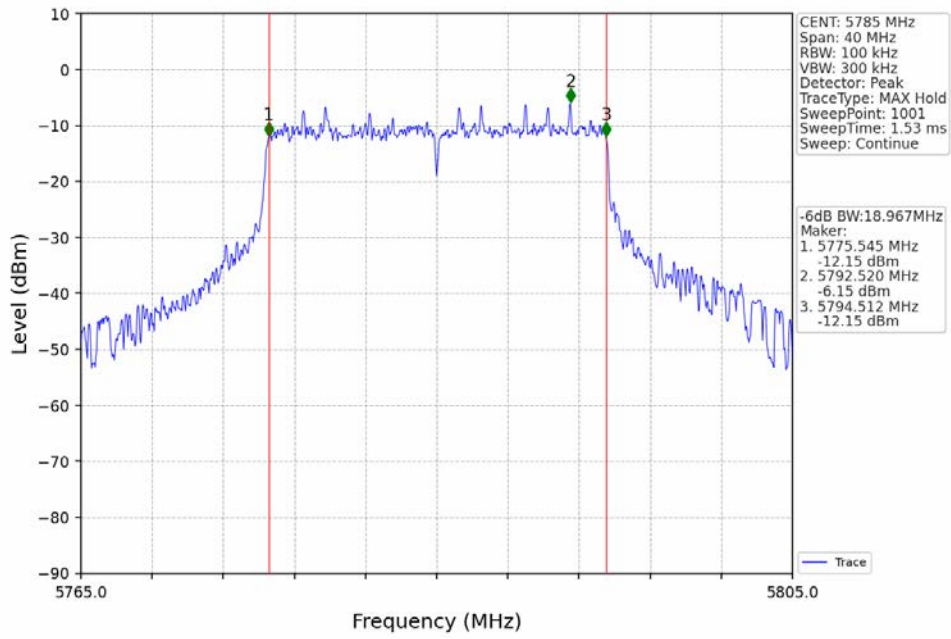
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



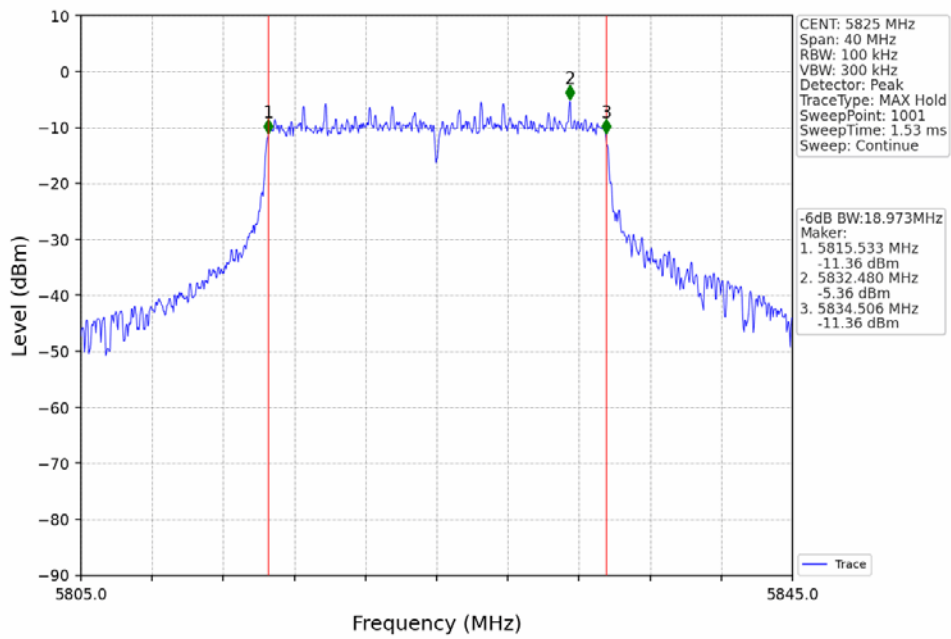
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



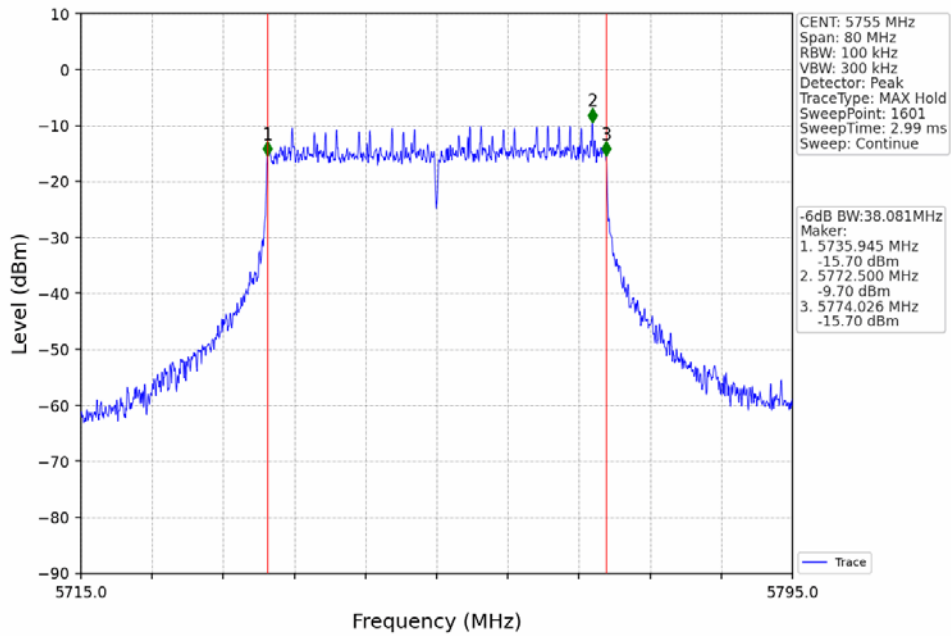
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



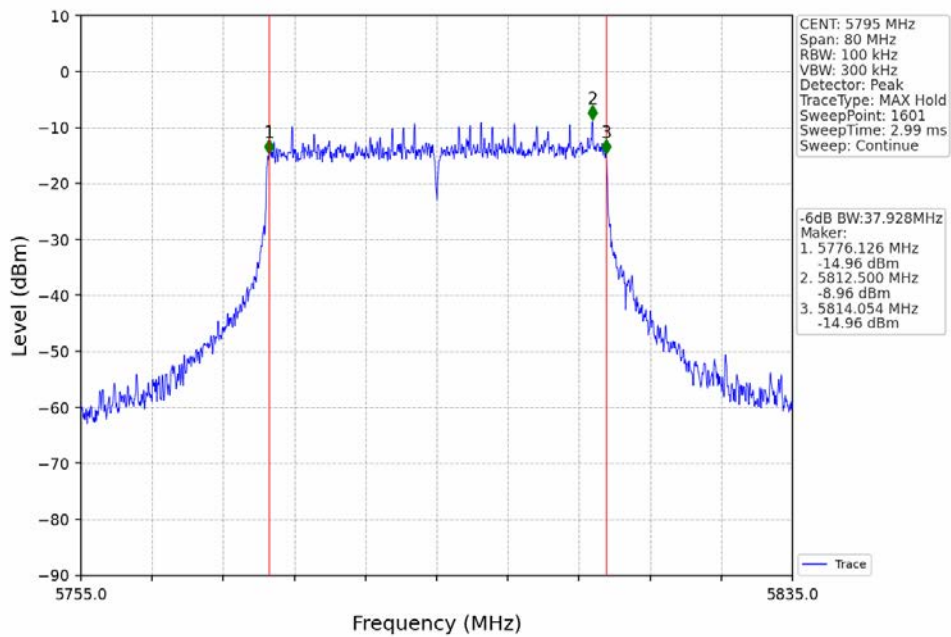
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



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	/	/	5.69	<=30	Pass
		5785	/	/	5.87	<=30	Pass
		5825	/	/	5.94	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	5.35	<=30	Pass
		5785	/	/	5.95	<=30	Pass
		5825	/	/	5.23	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	5.57	<=30	Pass
		5795	/	/	5.29	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	5.74	<=30	Pass
		5785	/	/	5.29	<=30	Pass
		5825	/	/	5.41	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	5.74	<=30	Pass
		5795	/	/	5.96	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	5.67	<=30	Pass
		5785	RU242	Left	5.56	<=30	Pass
		5825	RU242	Left	6.67	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	5.01	<=30	Pass
		5795	RU484	Left	5.25	<=30	Pass

Note1: Antenna Gain: Ant1: 1.41dBi;

4. Maximum Power Spectral Density

4.1 Test Result

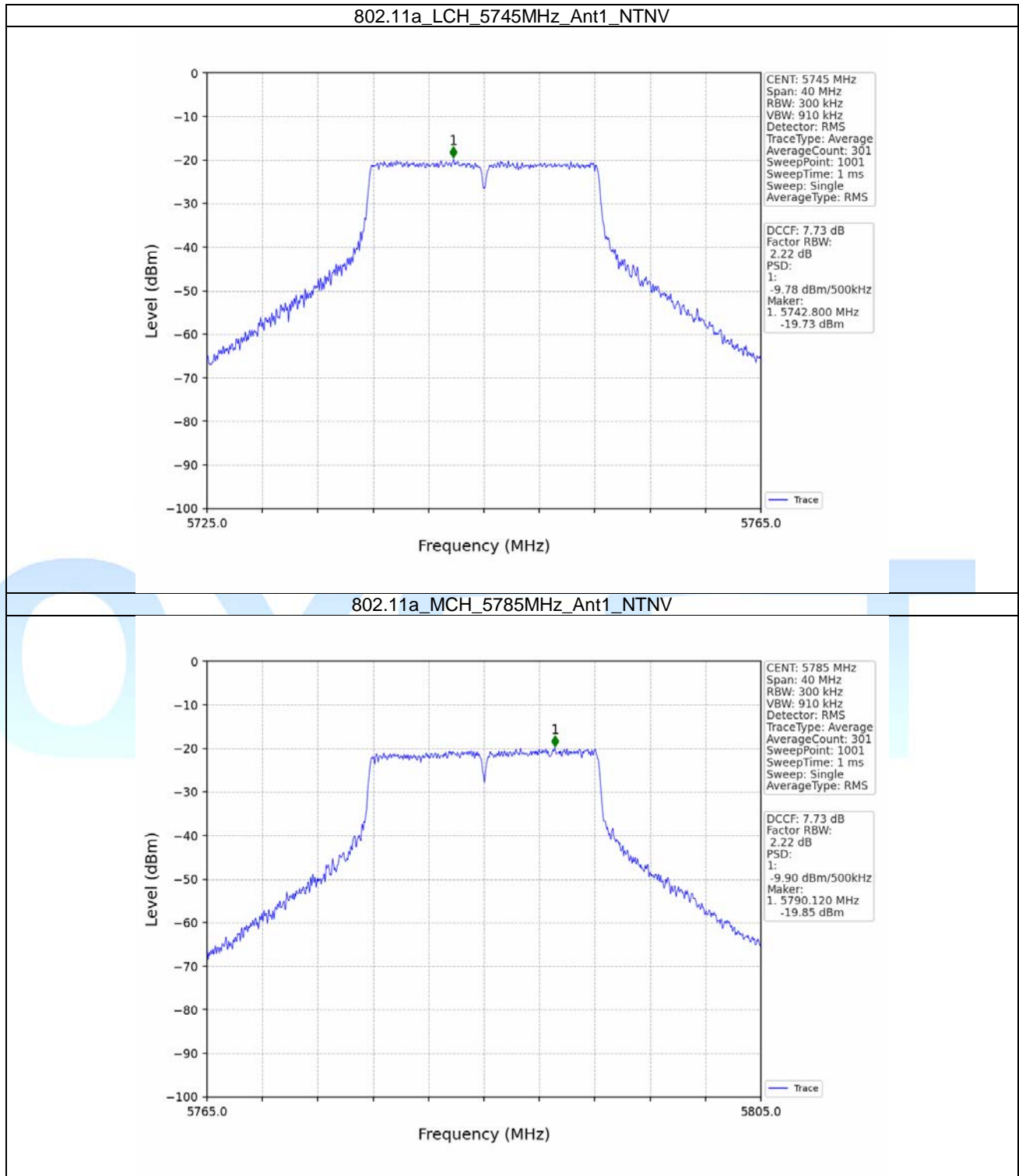
4.1.1 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-9.78	<=30	Pass
		5785	/	/	-9.90	<=30	Pass
		5825	/	/	-10.19	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-11.47	<=30	Pass
		5785	/	/	-9.90	<=30	Pass
		5825	/	/	-9.35	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-11.41	<=30	Pass
		5795	/	/	-12.59	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-10.67	<=30	Pass
		5785	/	/	-10.43	<=30	Pass
		5825	/	/	-8.59	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-13.05	<=30	Pass
		5795	/	/	-11.80	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	-9.49	<=30	Pass
		5785	RU242	Left	-8.63	<=30	Pass
		5825	RU242	Left	-7.14	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-10.56	<=30	Pass
		5795	RU484	Left	-10.44	<=30	Pass

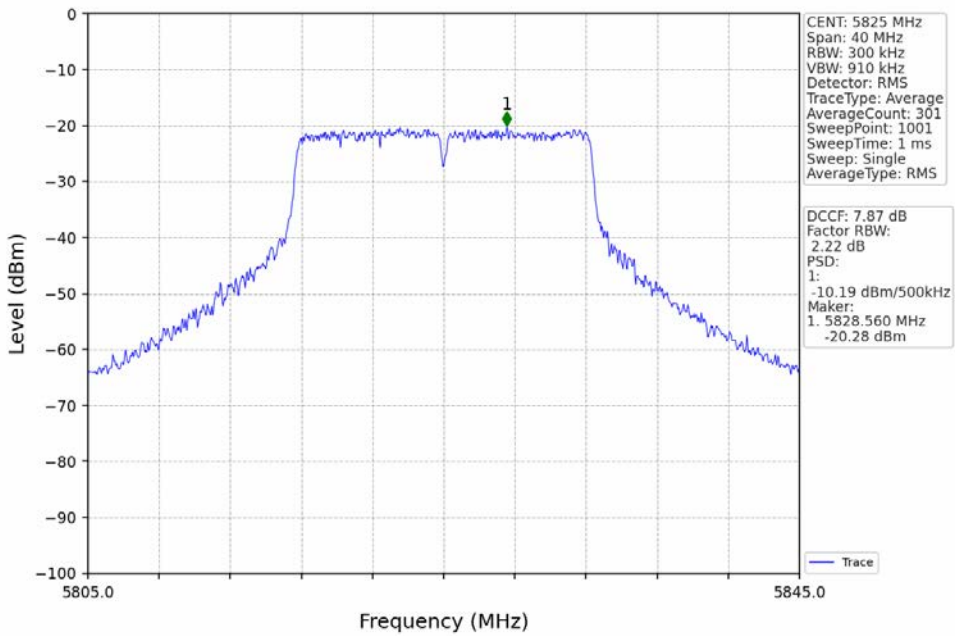
Note1: Antenna Gain: Ant1: 1.41dBi;
 Note2: Test Result contains DCCF and RBW Factor
 Note3: RBW Factor= $10 \cdot \log(500/300)=2.22$

4.2 Test Graph

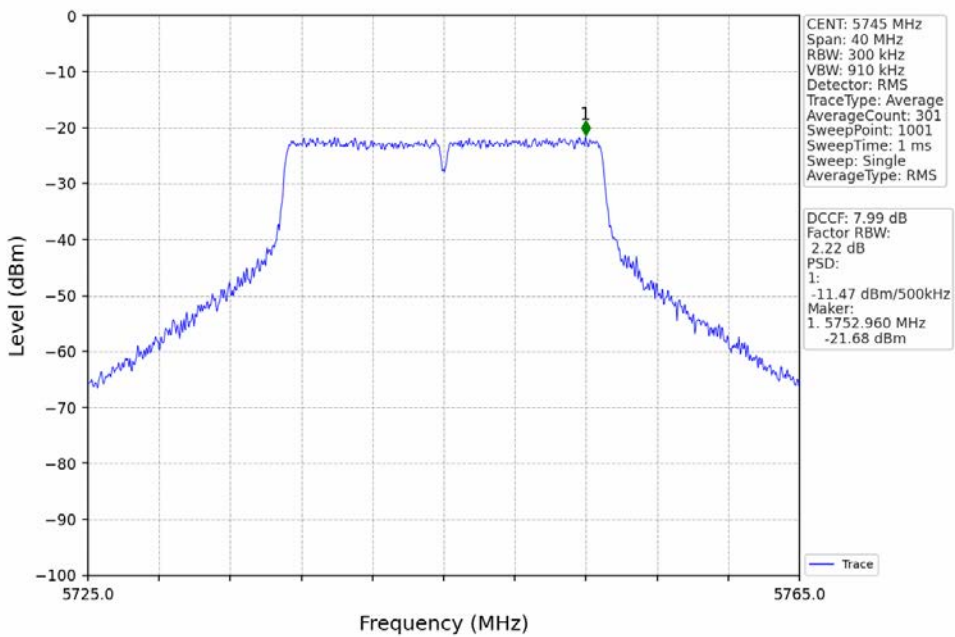
4.2.1 PSD-Band3



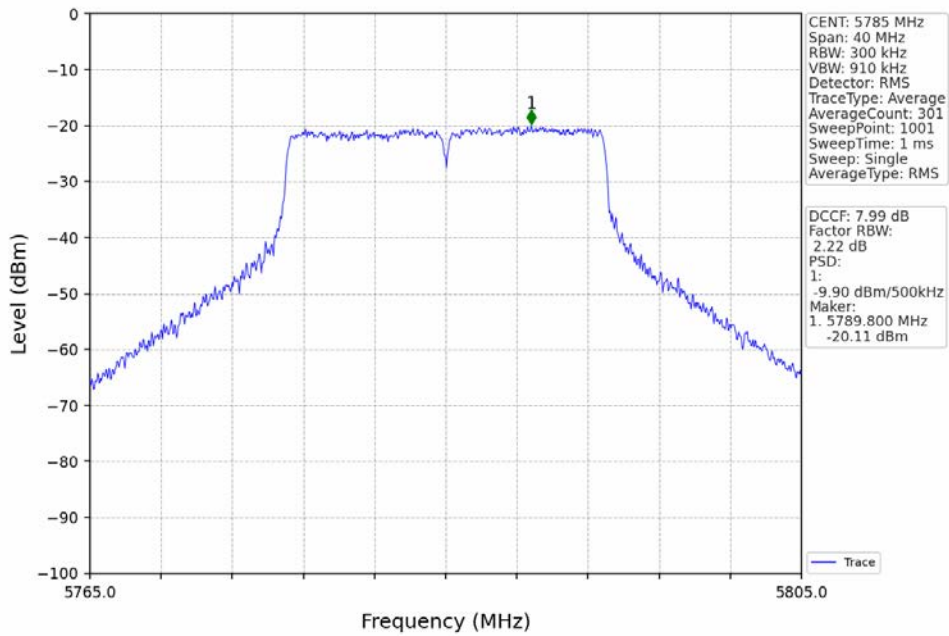
802.11a_HCH_5825MHz_Ant1_NTNV



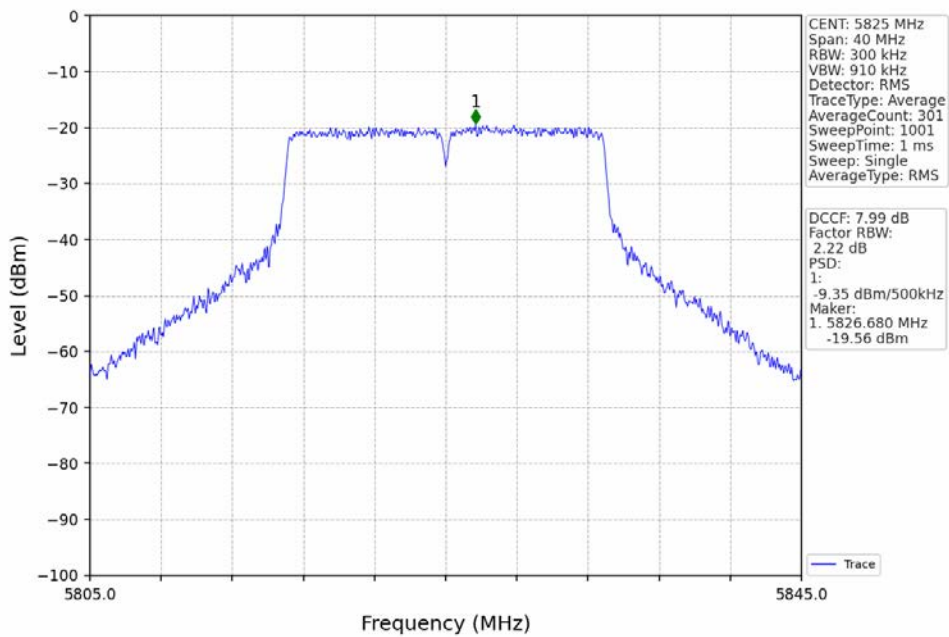
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



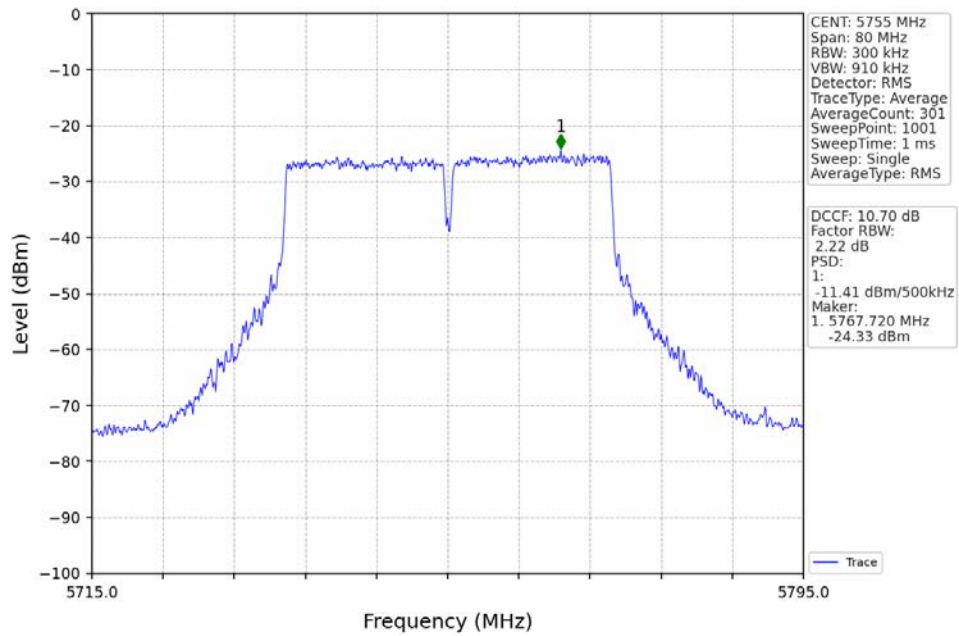
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



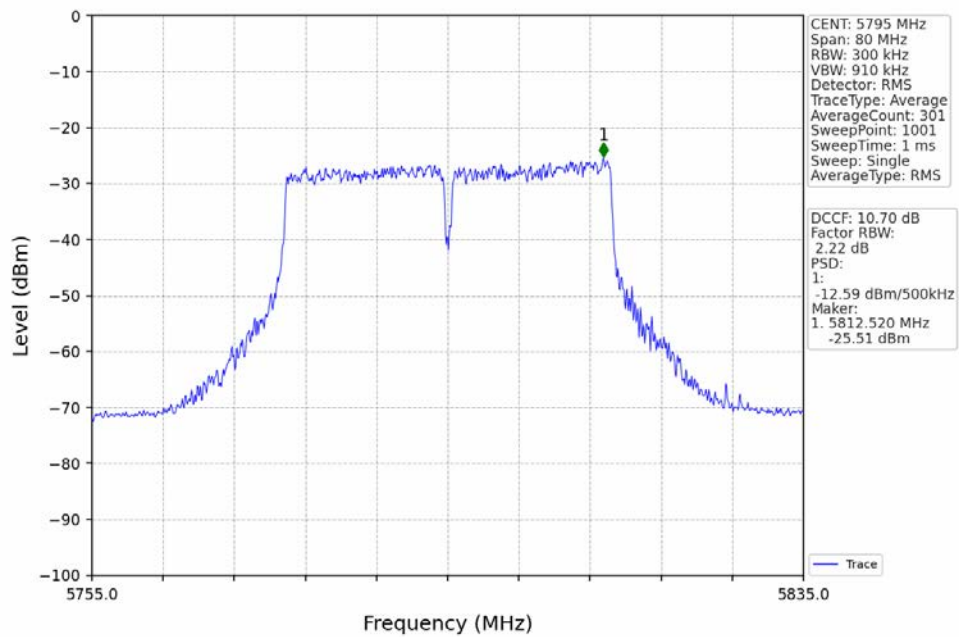
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



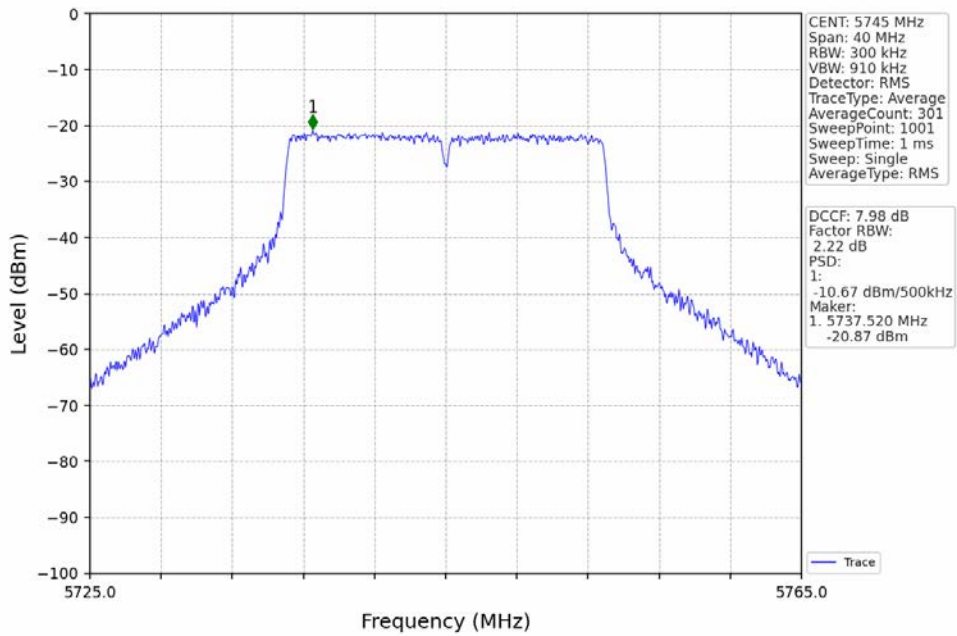
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



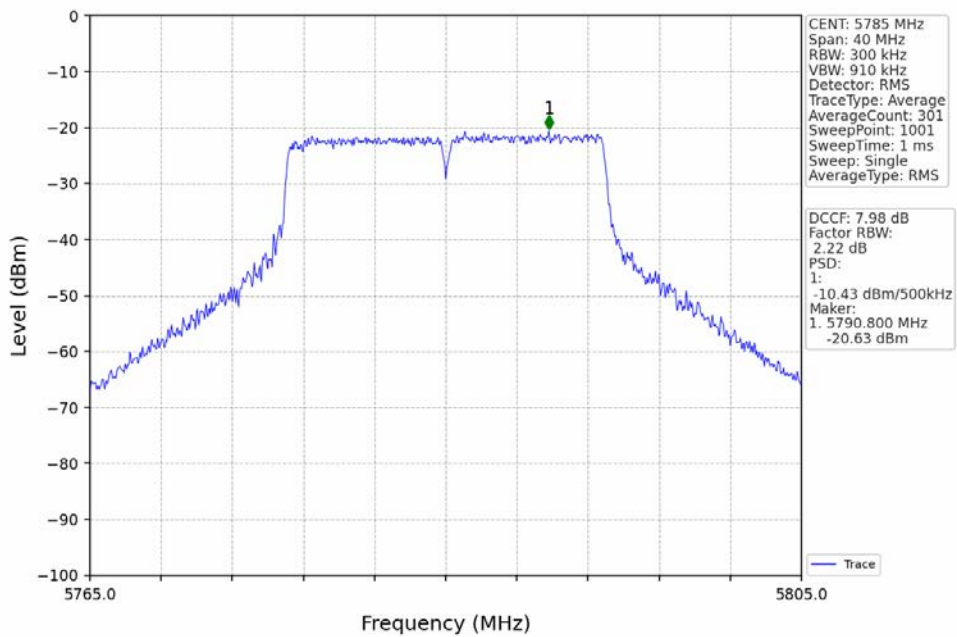
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



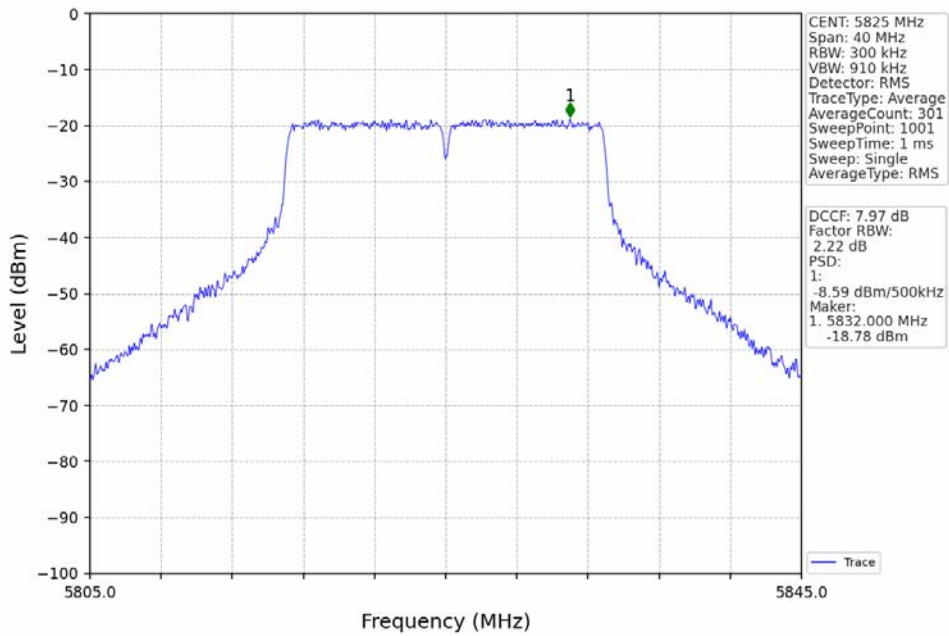
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



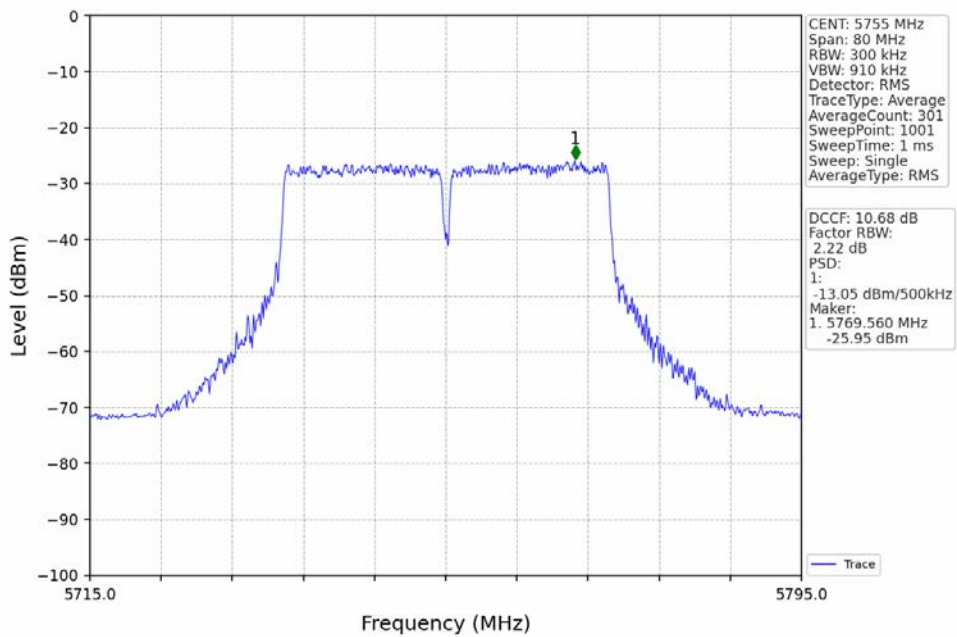
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



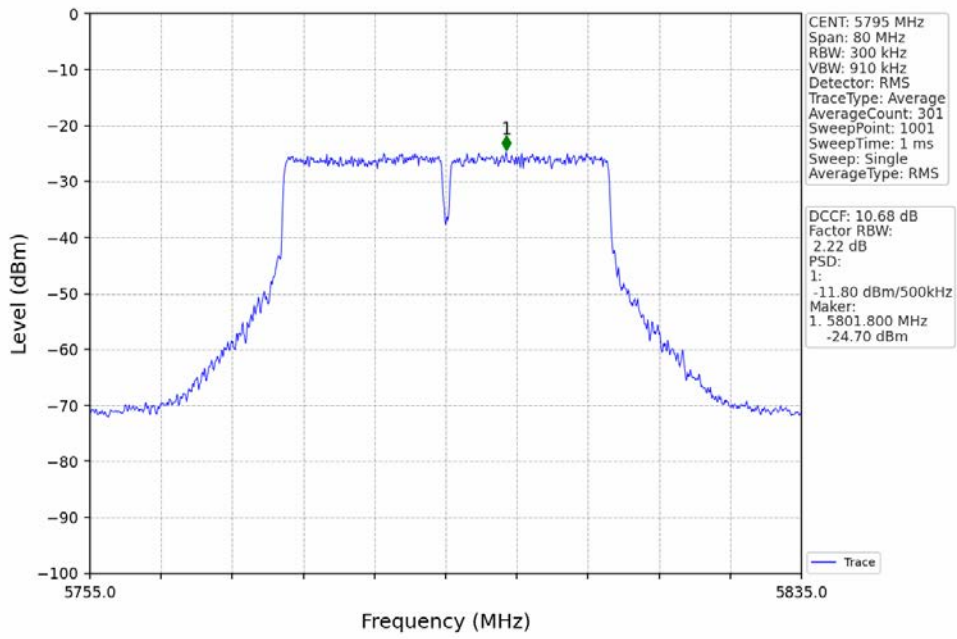
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



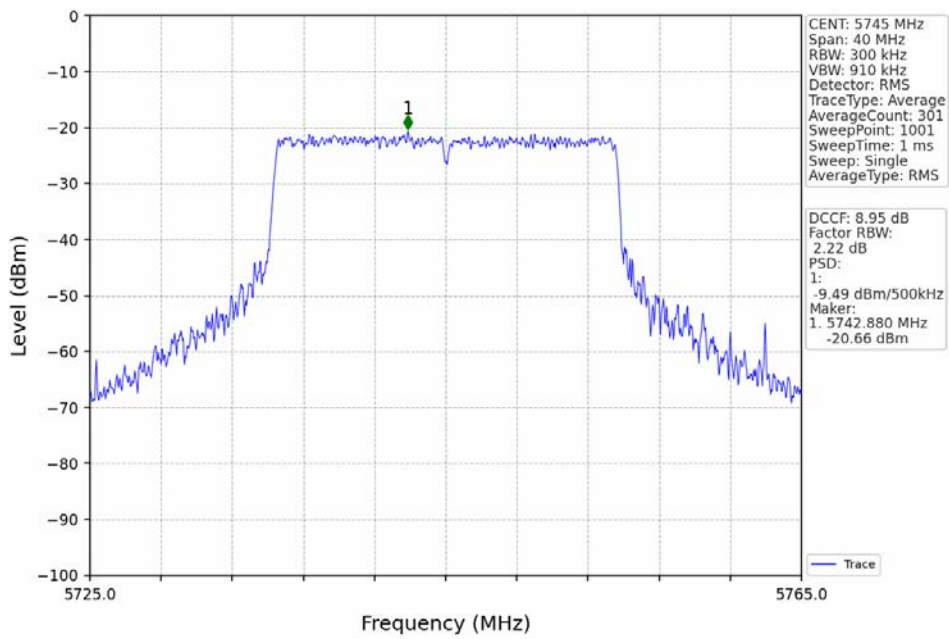
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



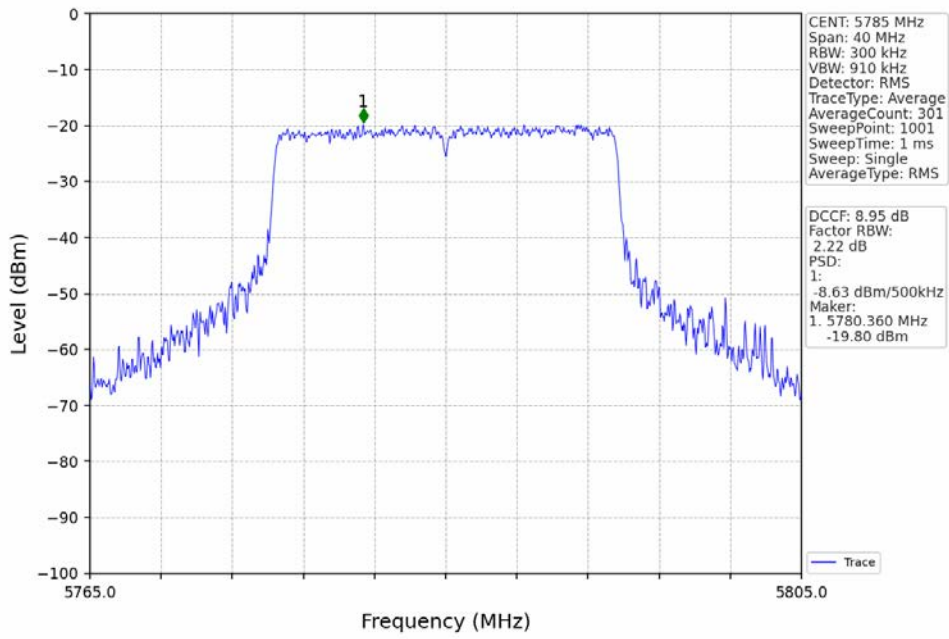
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



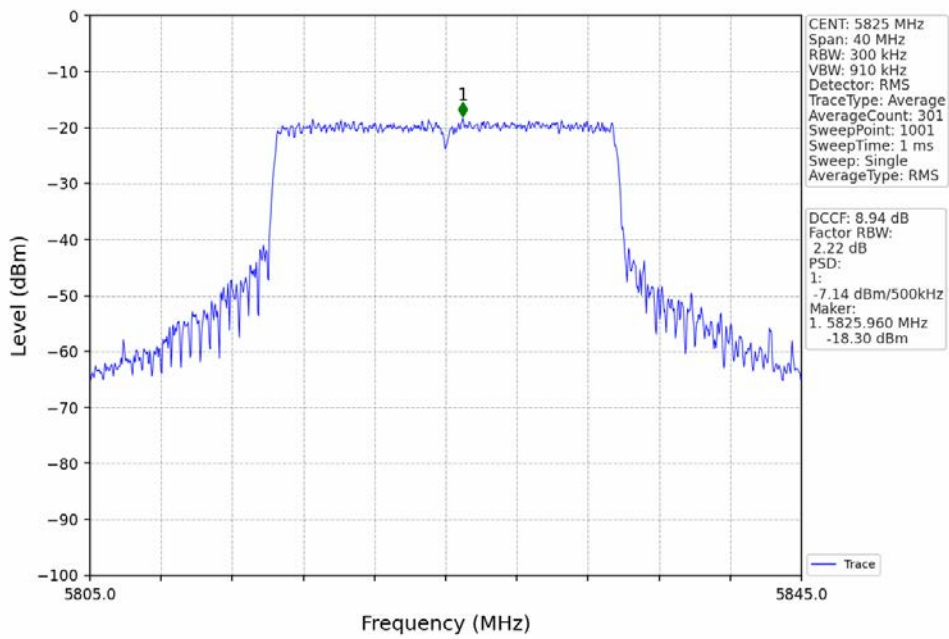
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



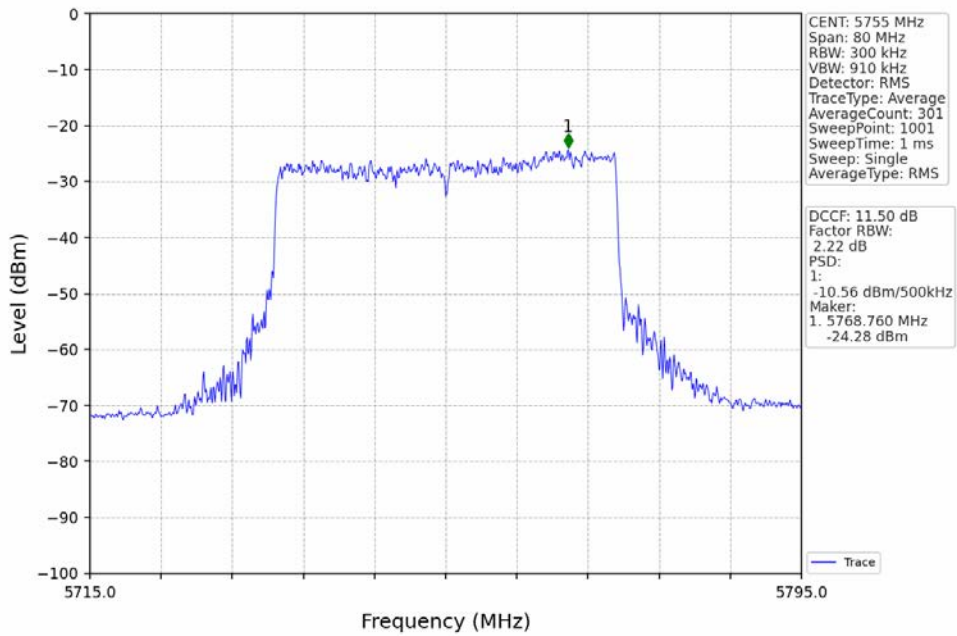
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



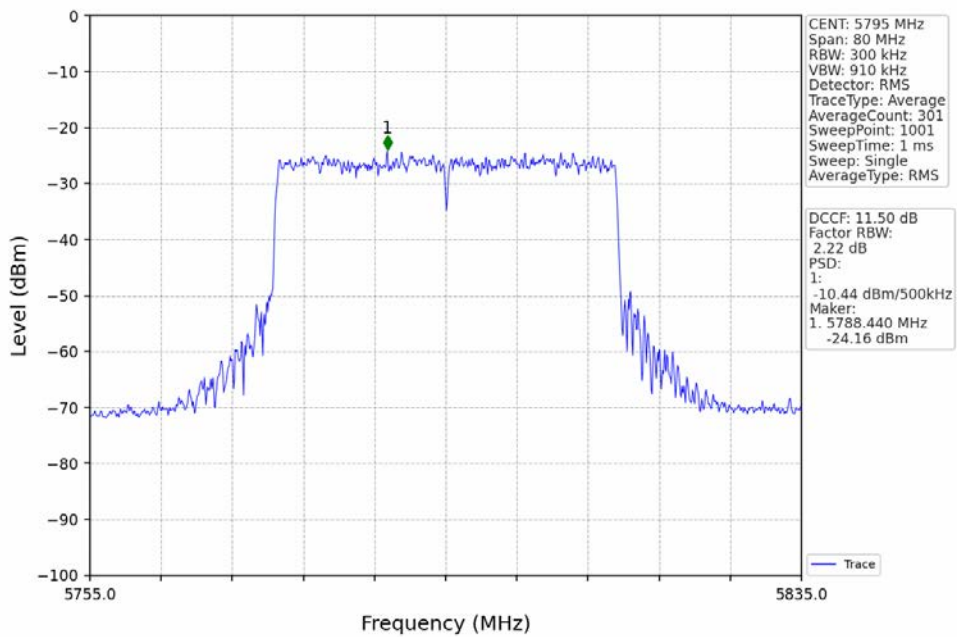
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5745	20	102	5744.971	5725 to 5850	Pass
				120	5744.970	5725 to 5850	Pass
				138	5744.970	5725 to 5850	Pass
			-30	120	5744.970	5725 to 5850	Pass
			-20	120	5744.970	5725 to 5850	Pass
			-10	120	5744.970	5725 to 5850	Pass
			0	120	5744.970	5725 to 5850	Pass
			10	120	5744.970	5725 to 5850	Pass
			30	120	5744.970	5725 to 5850	Pass
		40	120	5744.970	5725 to 5850	Pass	
		50	120	5744.970	5725 to 5850	Pass	
		5785	20	102	5784.970	5725 to 5850	Pass
				120	5784.969	5725 to 5850	Pass
				138	5784.969	5725 to 5850	Pass
			-30	120	5784.969	5725 to 5850	Pass
			-20	120	5784.969	5725 to 5850	Pass
			-10	120	5784.969	5725 to 5850	Pass
			0	120	5784.969	5725 to 5850	Pass
			10	120	5784.969	5725 to 5850	Pass
			30	120	5784.969	5725 to 5850	Pass
		40	120	5784.969	5725 to 5850	Pass	
		50	120	5784.969	5725 to 5850	Pass	
		5825	20	102	5824.969	5725 to 5850	Pass
				120	5824.969	5725 to 5850	Pass
				138	5824.969	5725 to 5850	Pass
			-30	120	5824.969	5725 to 5850	Pass
			-20	120	5824.969	5725 to 5850	Pass
			-10	120	5824.969	5725 to 5850	Pass
			0	120	5824.969	5725 to 5850	Pass
			10	120	5824.969	5725 to 5850	Pass
			30	120	5824.969	5725 to 5850	Pass
		40	120	5824.969	5725 to 5850	Pass	
		50	120	5824.969	5725 to 5850	Pass	
		5755	20	102	5754.969	5725 to 5850	Pass
				120	5754.969	5725 to 5850	Pass
				138	5754.969	5725 to 5850	Pass
			-30	120	5754.969	5725 to 5850	Pass
			-20	120	5754.969	5725 to 5850	Pass
			-10	120	5754.969	5725 to 5850	Pass
			0	120	5754.969	5725 to 5850	Pass
			10	120	5754.969	5725 to 5850	Pass
			30	120	5754.969	5725 to 5850	Pass
		40	120	5754.969	5725 to 5850	Pass	
		50	120	5754.969	5725 to 5850	Pass	
		5795	20	102	5794.969	5725 to 5850	Pass
120	5794.969			5725 to 5850	Pass		
138	5794.969			5725 to 5850	Pass		
-30	120		5794.969	5725 to 5850	Pass		

			-20	120	5794.969	5725 to 5850	Pass
			-10	120	5794.969	5725 to 5850	Pass
			0	120	5794.969	5725 to 5850	Pass
			10	120	5794.969	5725 to 5850	Pass
			30	120	5794.969	5725 to 5850	Pass
			40	120	5794.969	5725 to 5850	Pass
			50	120	5794.969	5725 to 5850	Pass

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