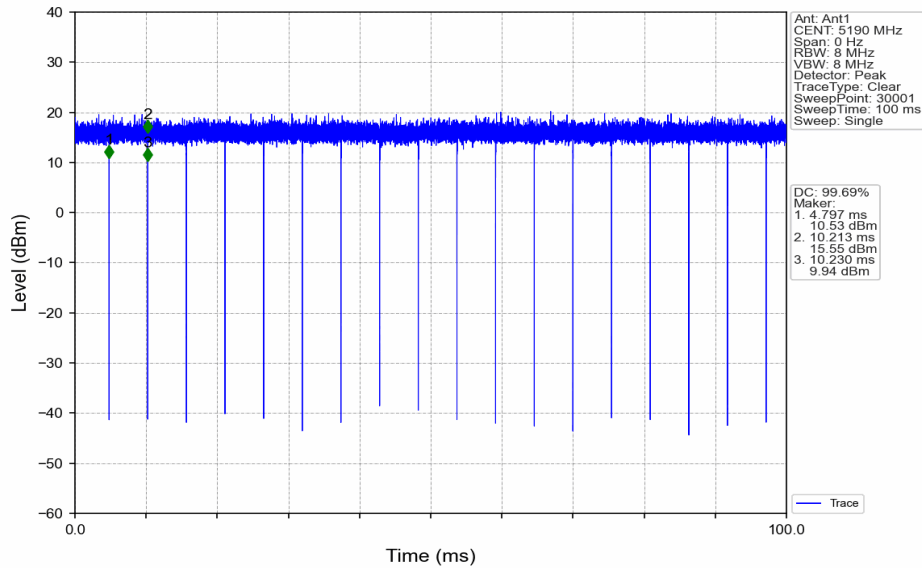
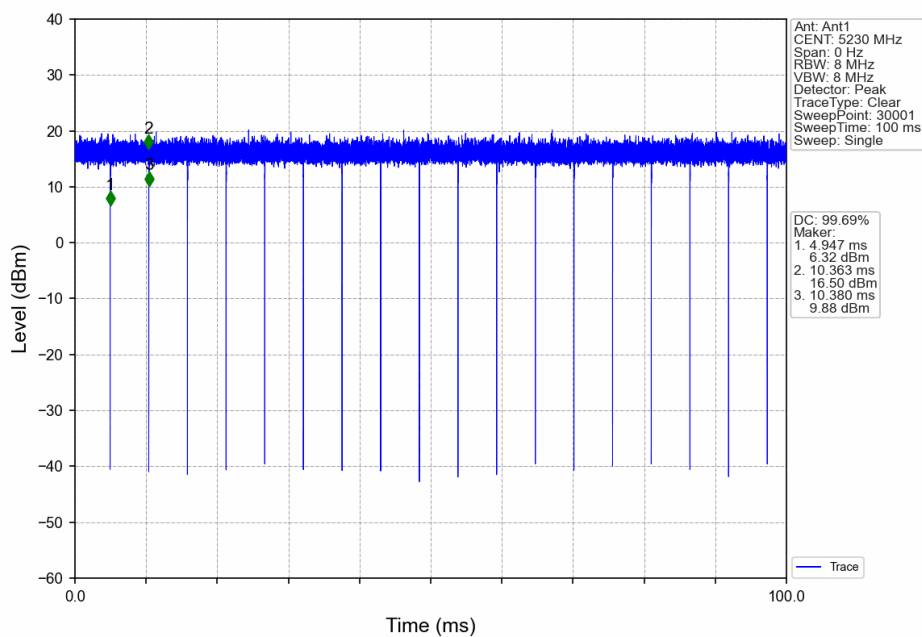


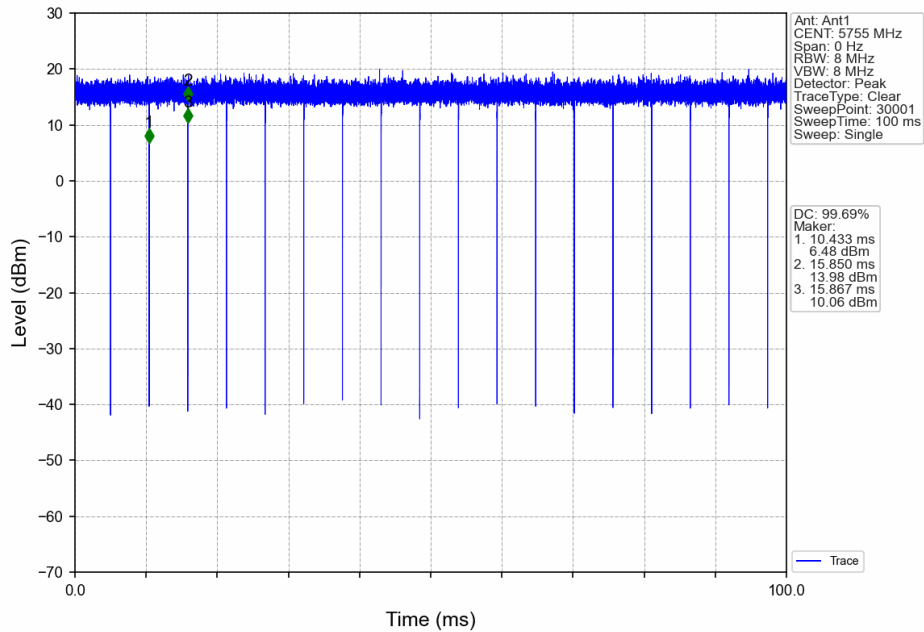
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



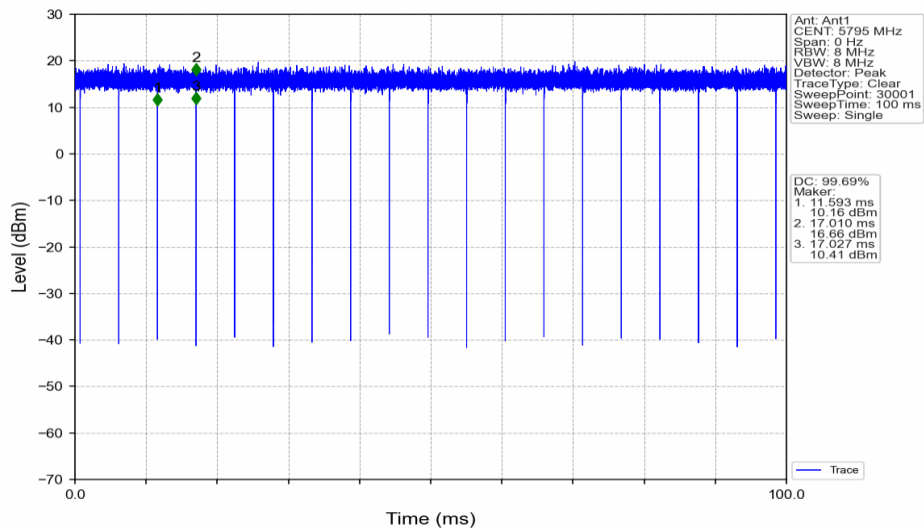
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



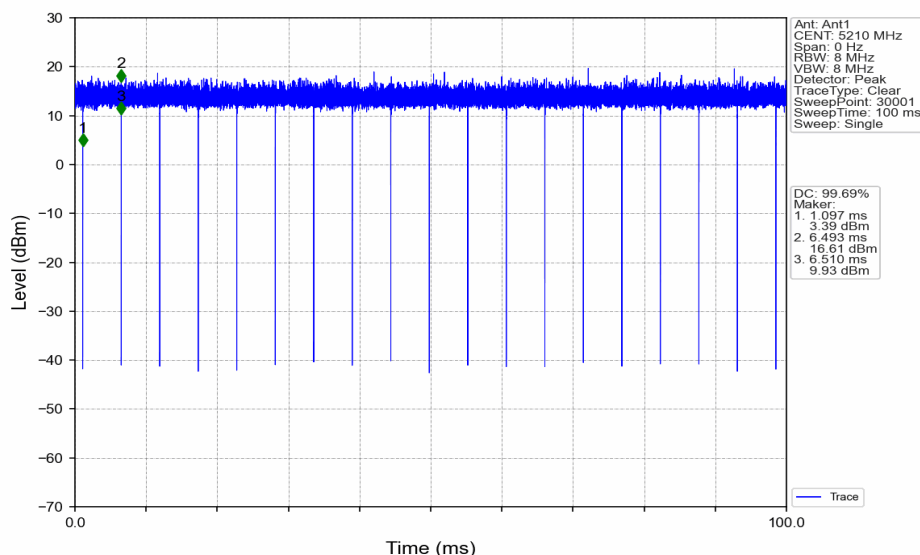
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



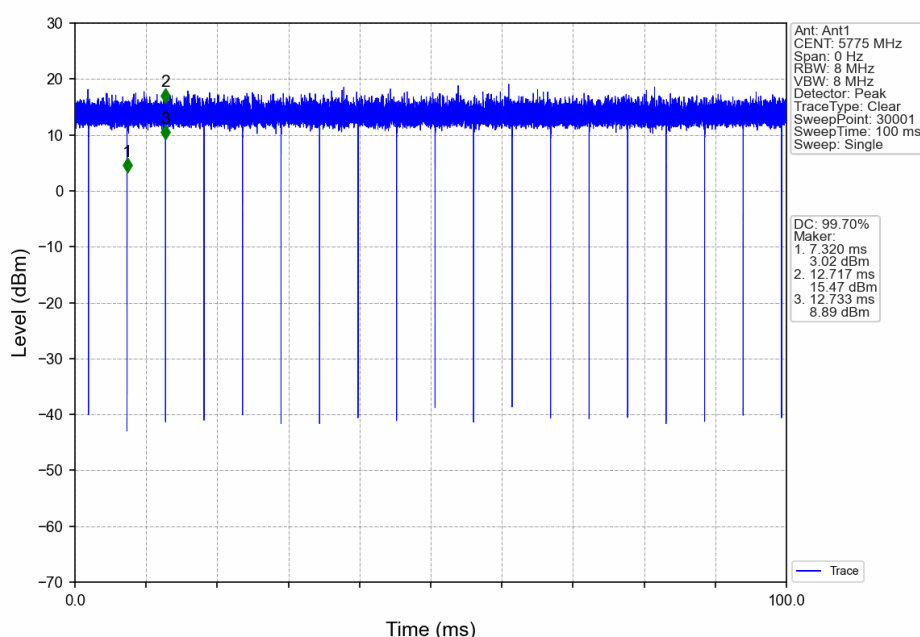
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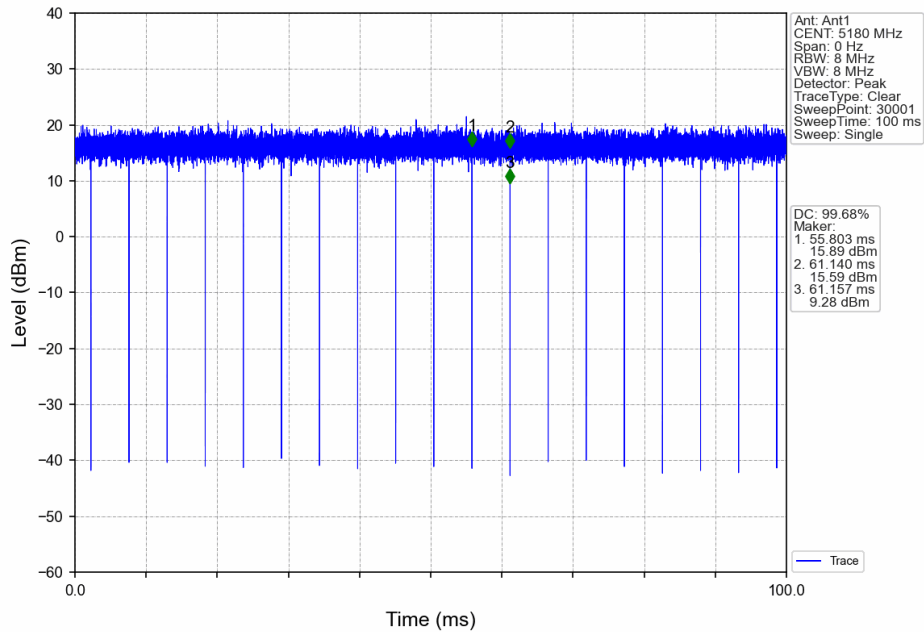
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



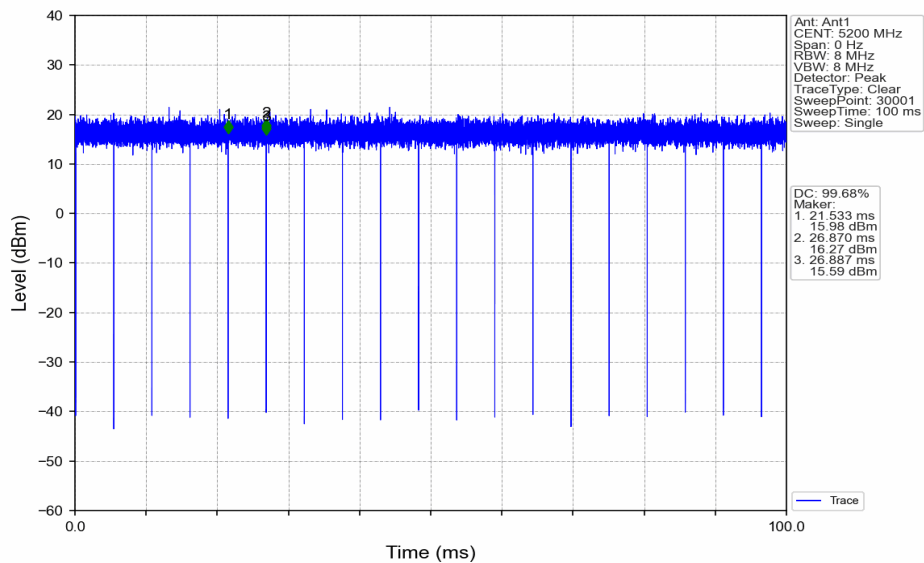
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



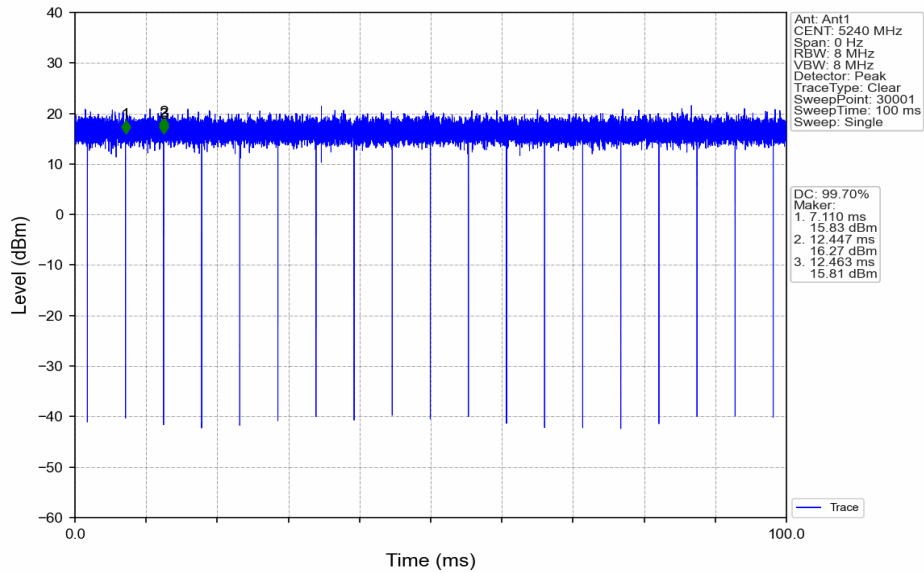
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



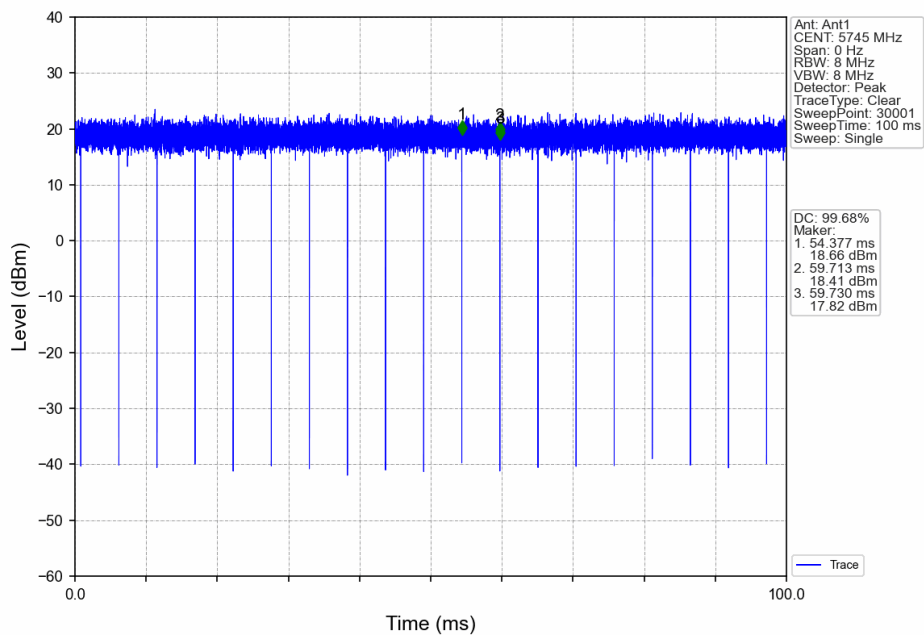
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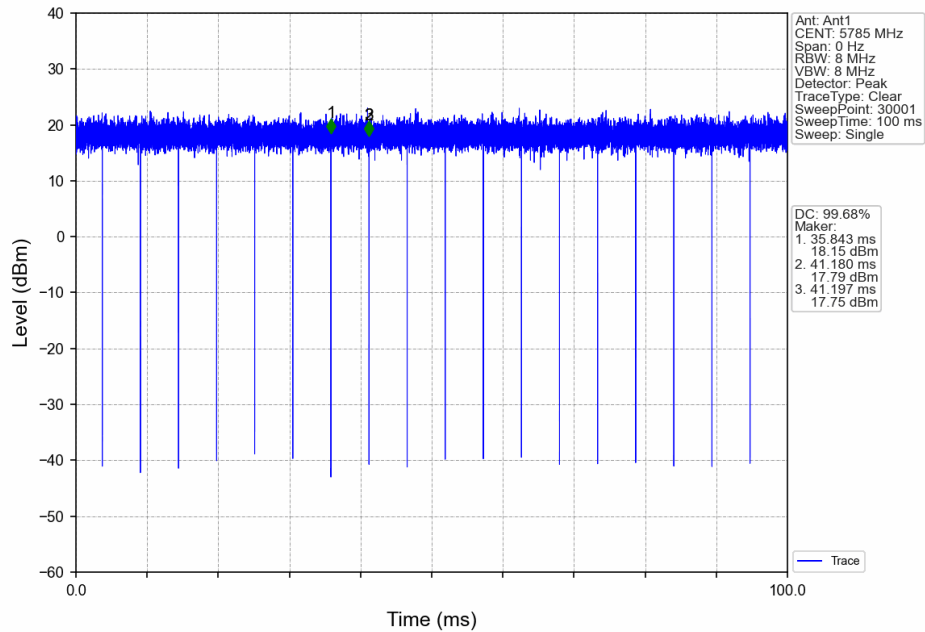
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



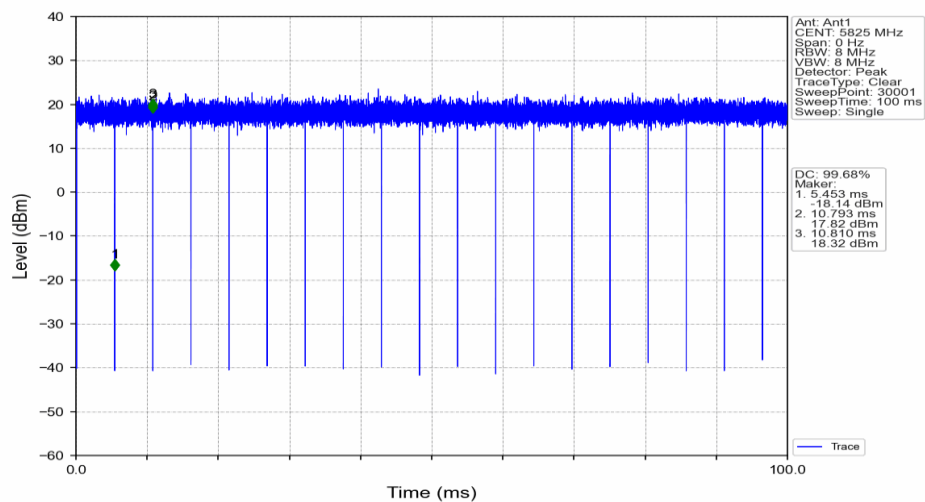
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



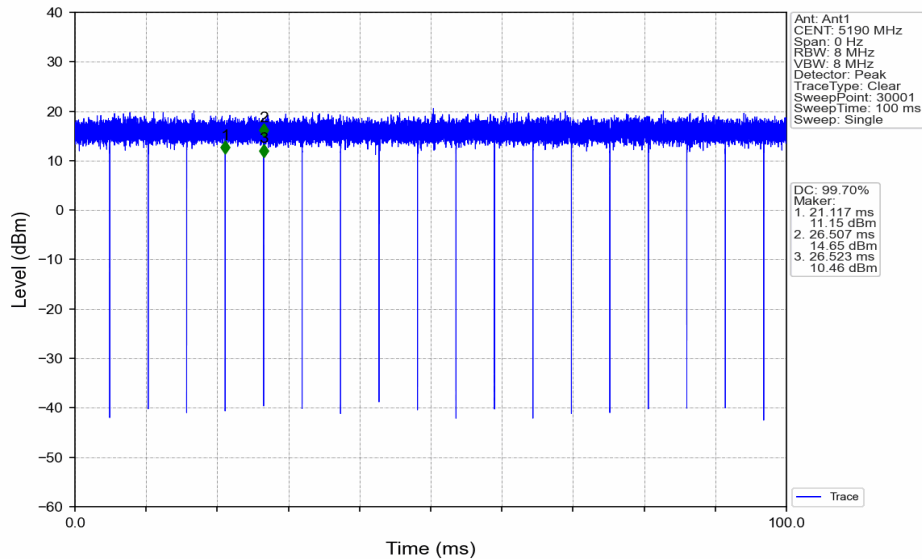
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



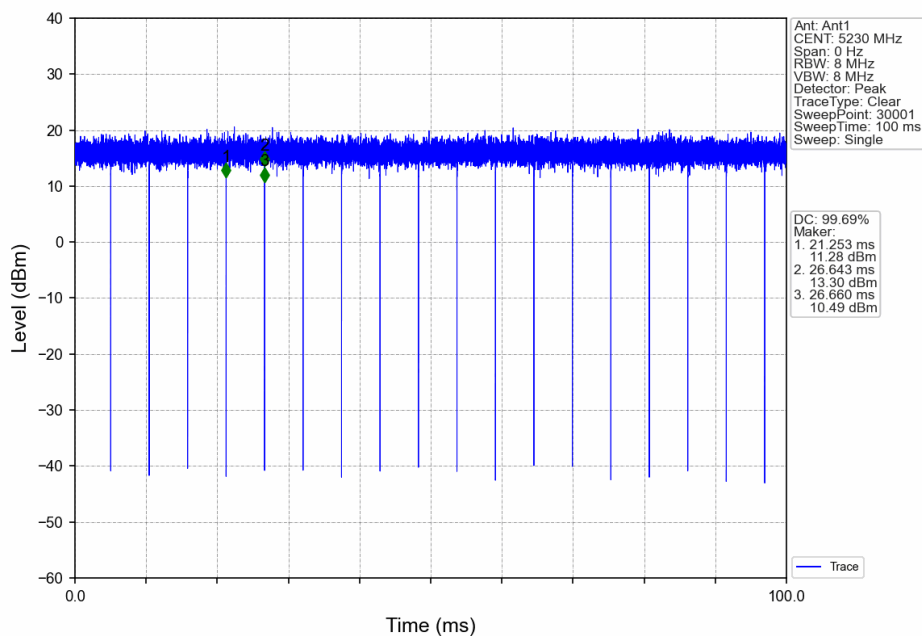
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



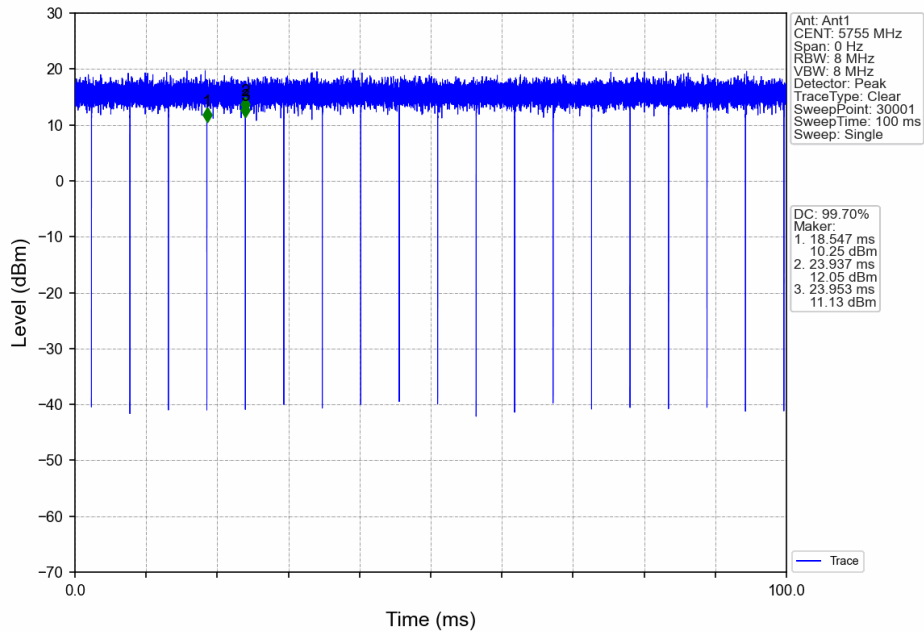
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



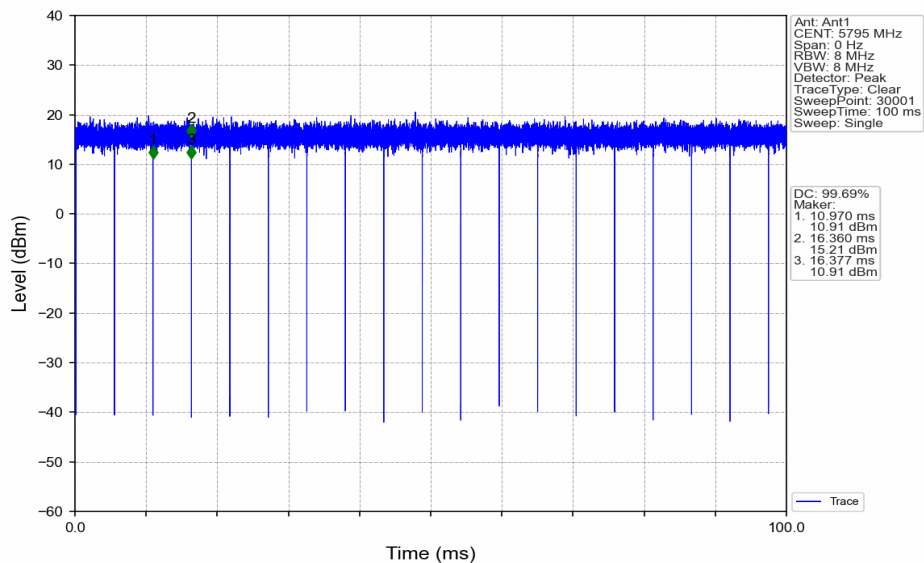
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



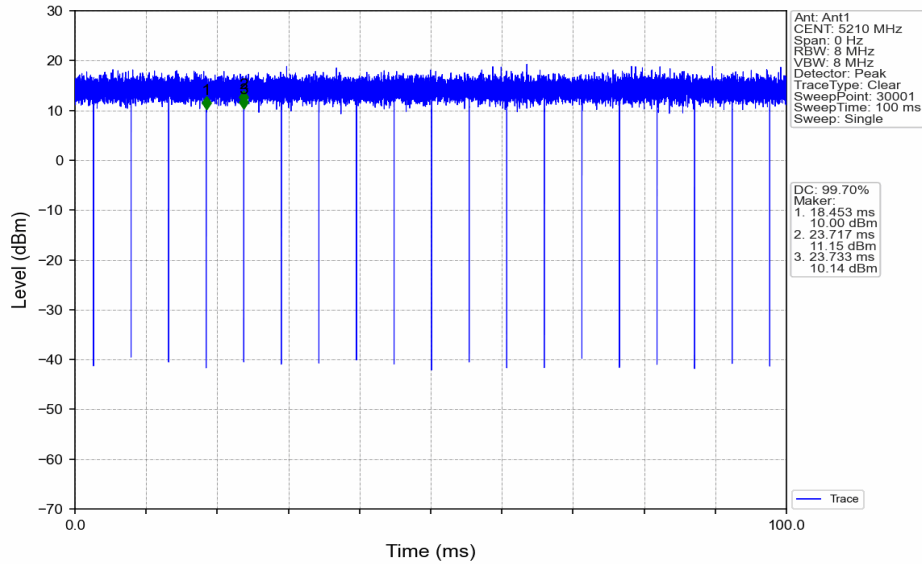
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



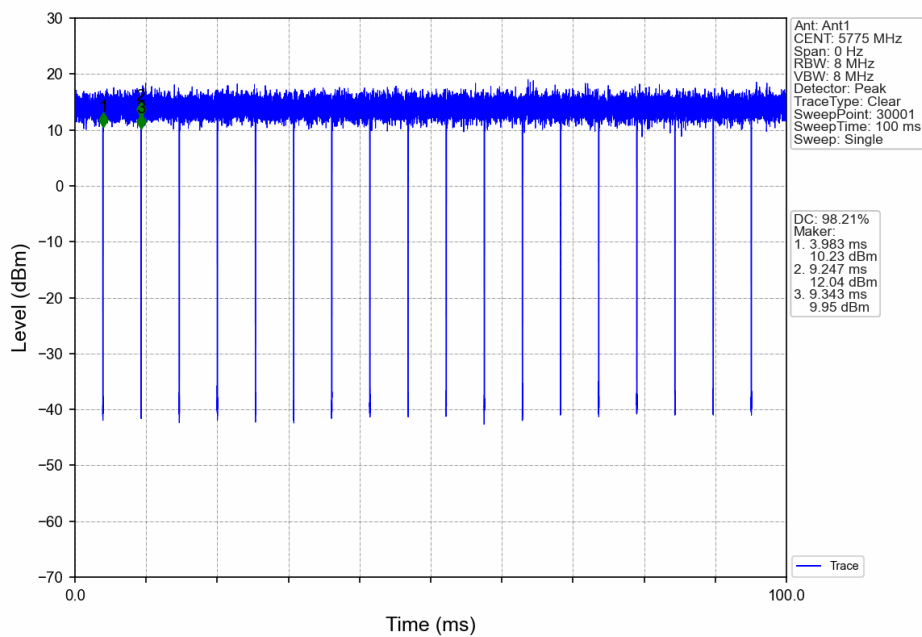
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)	Verdict
						Result	
802.11a	SISO	5180	/	/	1	16.588	Pass
		5200	/	/	1	16.572	Pass
		5240	/	/	1	16.571	Pass
		5745	/	/	1	16.600	Pass
		5785	/	/	1	16.595	Pass
		5825	/	/	1	16.586	Pass
802.11n (HT20)	MIMO	5180	/	/	1	17.794	Pass
		5200	/	/	1	17.775	Pass
		5240	/	/	1	17.770	Pass
		5745	/	/	1	17.779	Pass
		5785	/	/	1	17.782	Pass
		5825	/	/	1	17.790	Pass
802.11n (HT40)	MIMO	5190	/	/	1	36.060	Pass
		5230	/	/	1	36.059	Pass
		5755	/	/	1	36.000	Pass
		5795	/	/	1	36.069	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	17.782	Pass
		5200	/	/	1	17.778	Pass
		5240	/	/	1	17.786	Pass
		5745	/	/	1	17.761	Pass
		5785	/	/	1	17.775	Pass
		5825	/	/	1	17.712	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	36.085	Pass
		5230	/	/	1	36.072	Pass
		5755	/	/	1	36.043	Pass
		5795	/	/	1	36.054	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	75.281	Pass
		5775	/	/	1	75.216	Pass
802.11ax	MIMO	5180	RU242	Left	1	19.000	Pass

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(HEW20)		5200	RU242	Left	1	18.982	Pass
		5240	RU242	Left	1	19.000	Pass
		5745	RU242	Left	1	19.017	Pass
		5785	RU242	Left	1	19.026	Pass
		5825	RU242	Left	1	19.006	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	37.798	Pass
		5230	RU484	Left	1	37.834	Pass
		5755	RU484	Left	1	37.760	Pass
		5795	RU484	Left	1	37.712	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	76.853	Pass
		5775	RU996	Left	1	76.777	Pass



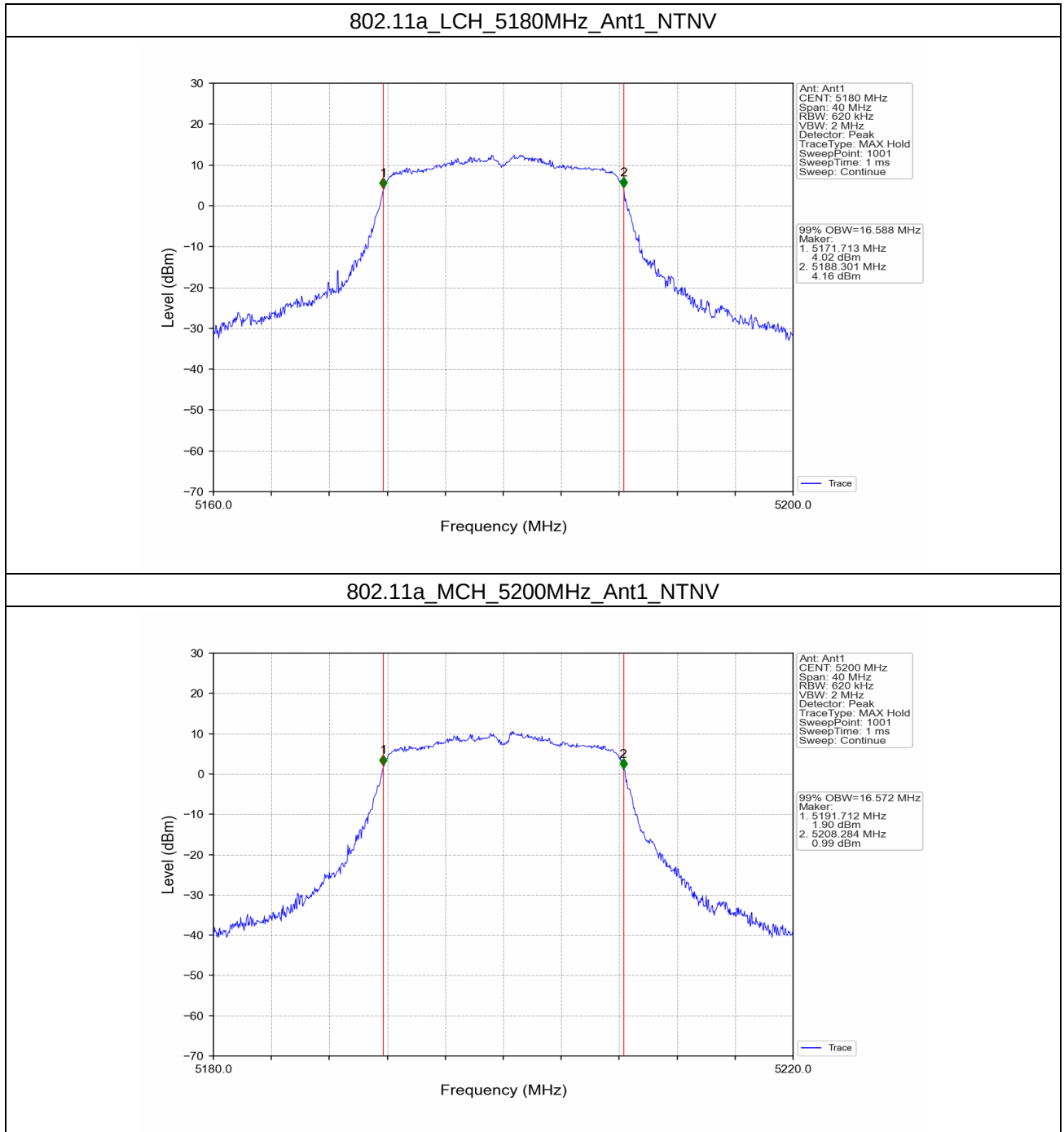
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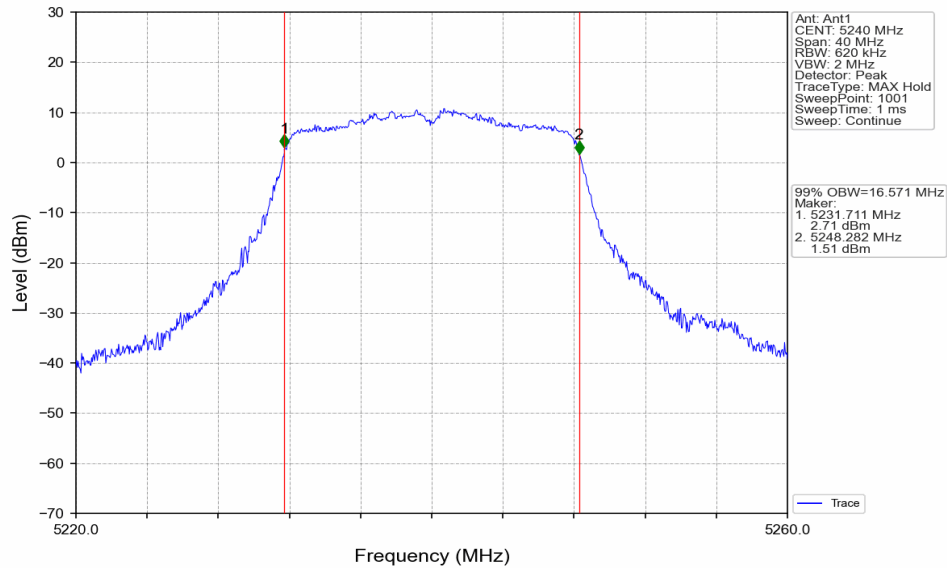
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Shenzhen Branch Testing Center Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

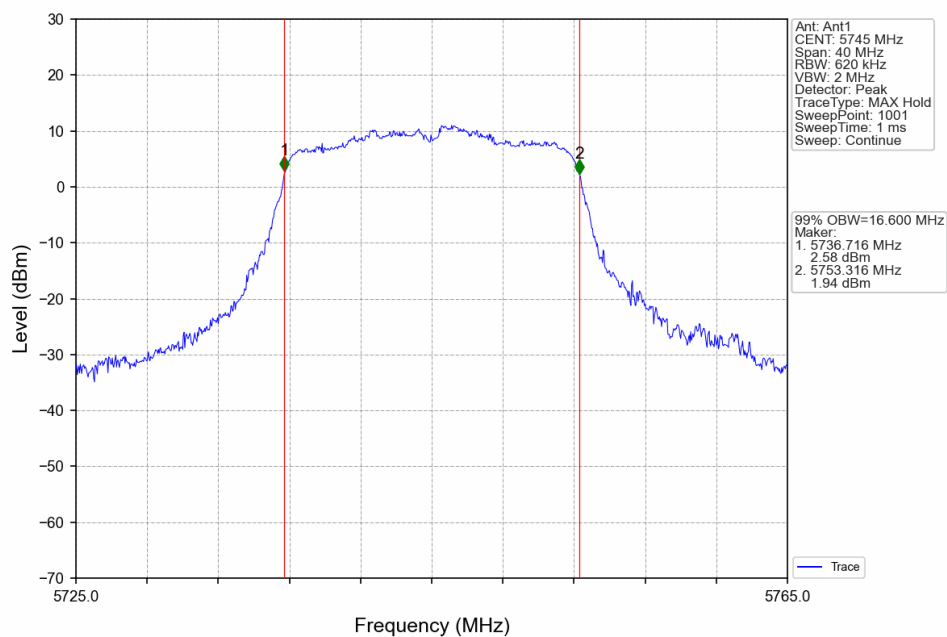
2.1.2 Test Graph



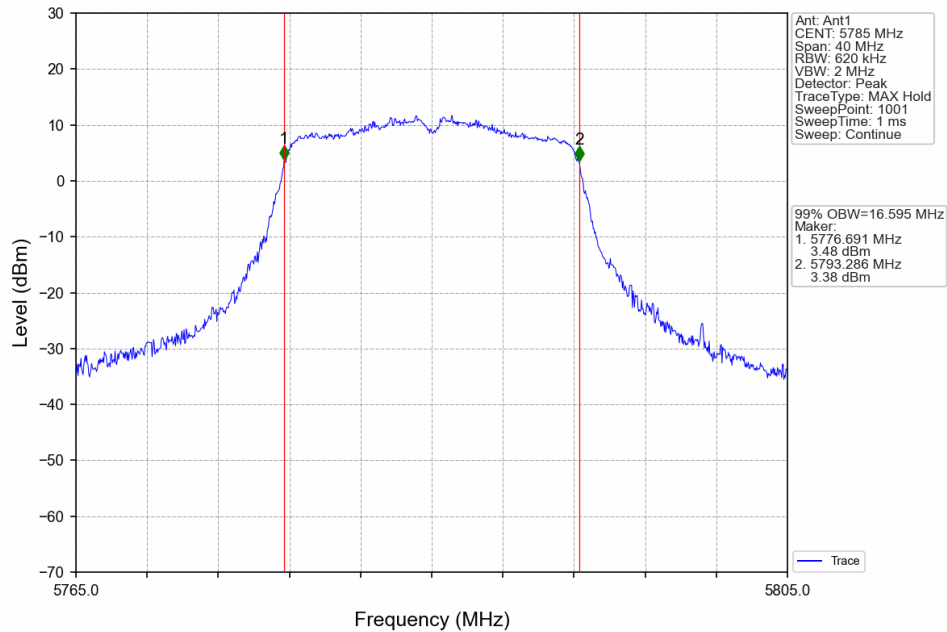
802.11a_HCH_5240MHz_Ant1_NTNV



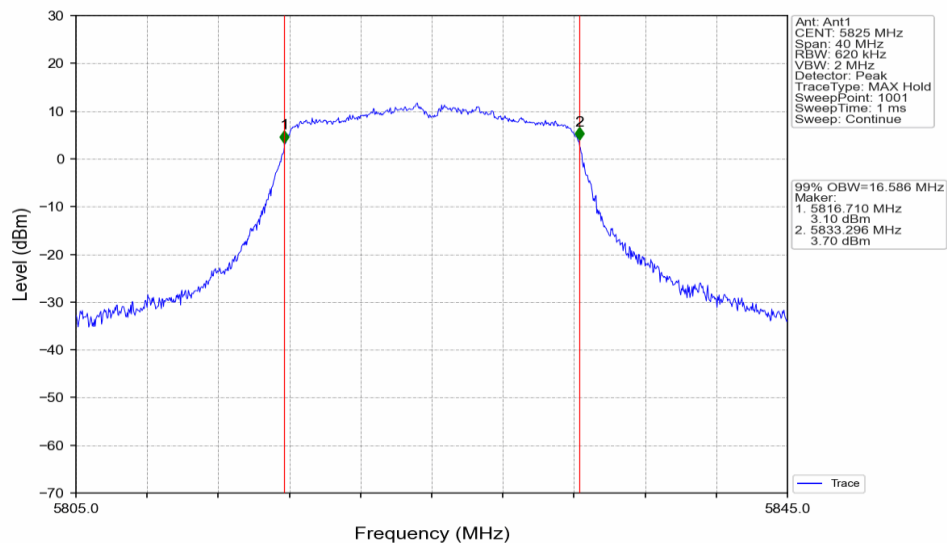
802.11a_LCH_5745MHz_Ant1_NTNV



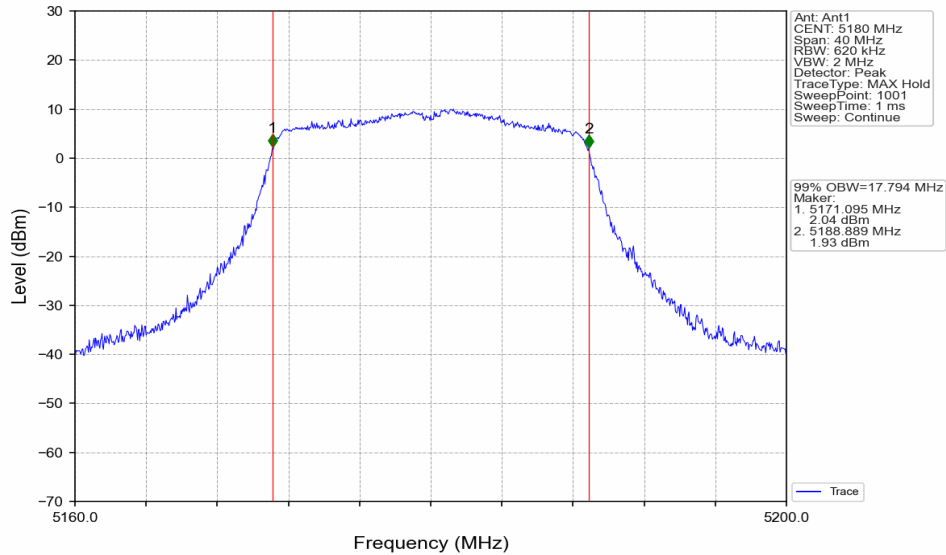
802.11a_MCH_5785MHz_Ant1_NTNV



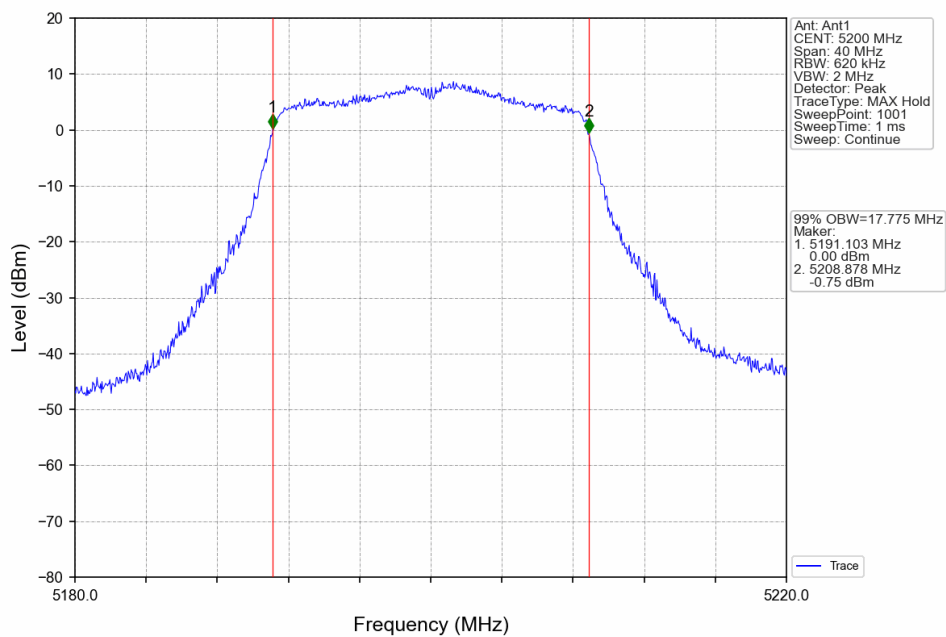
802.11a_HCH_5825MHz_Ant1_NTNV



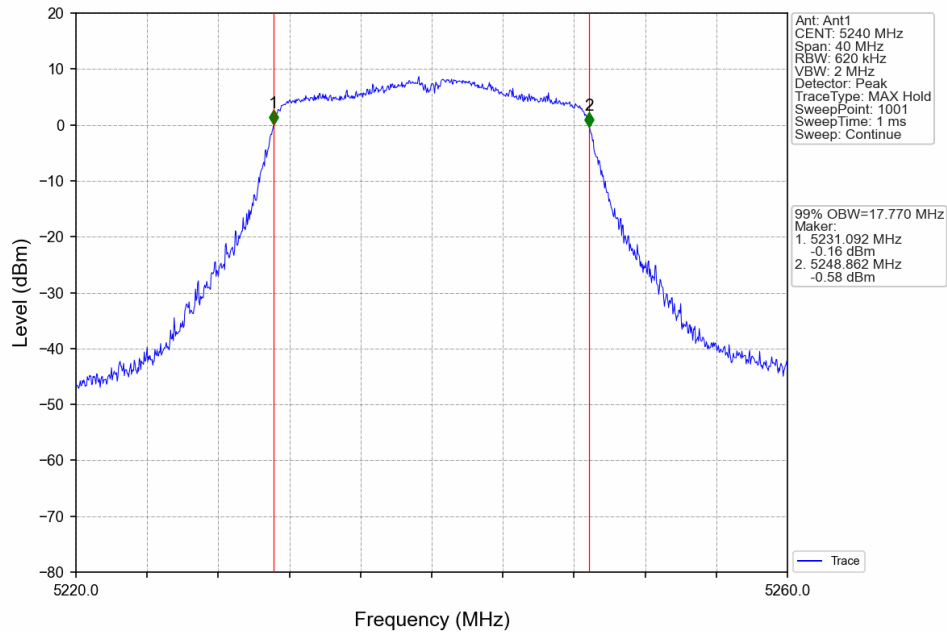
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



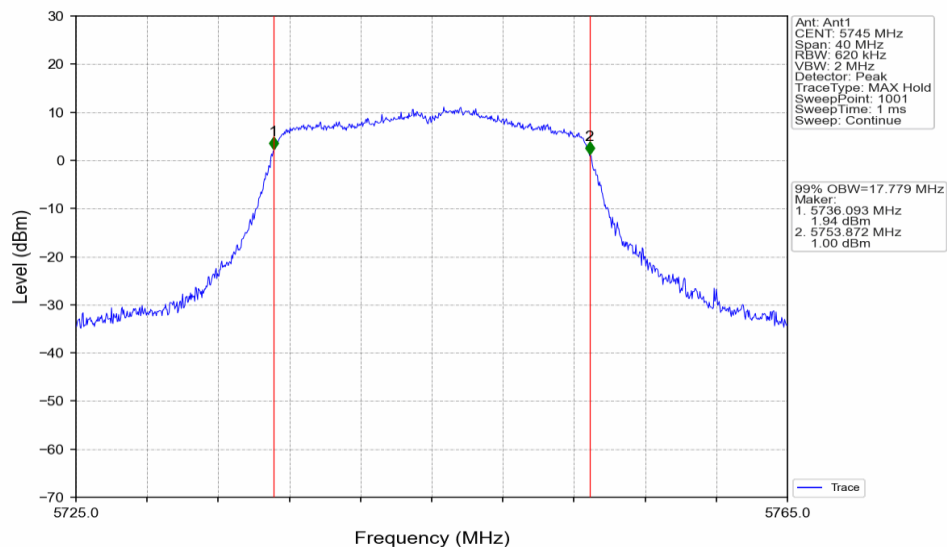
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



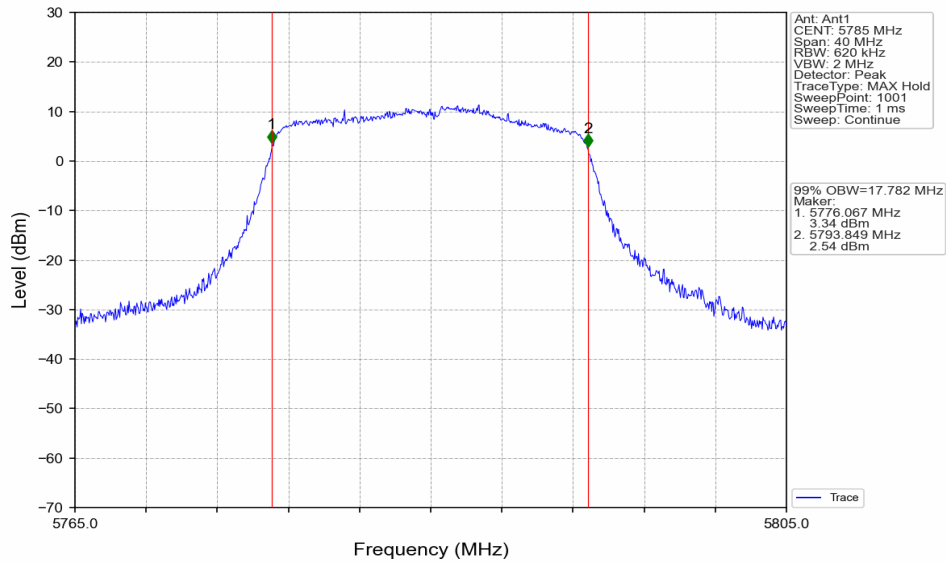
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



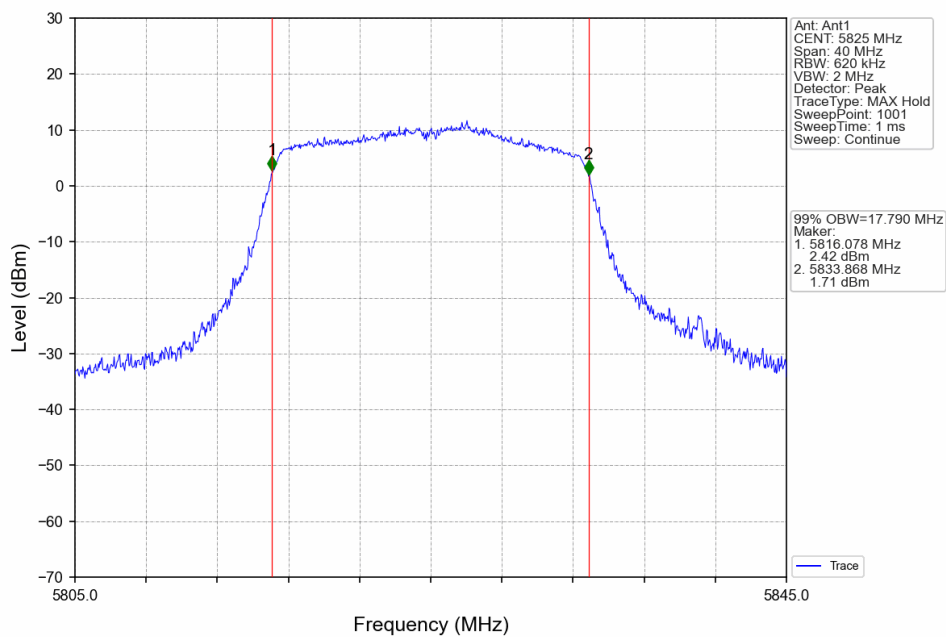
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



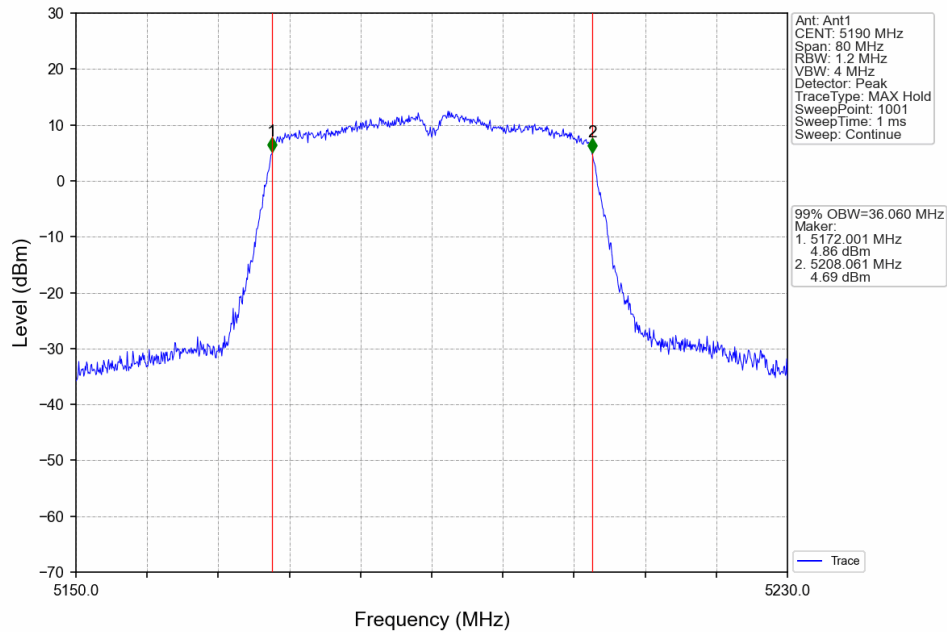
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



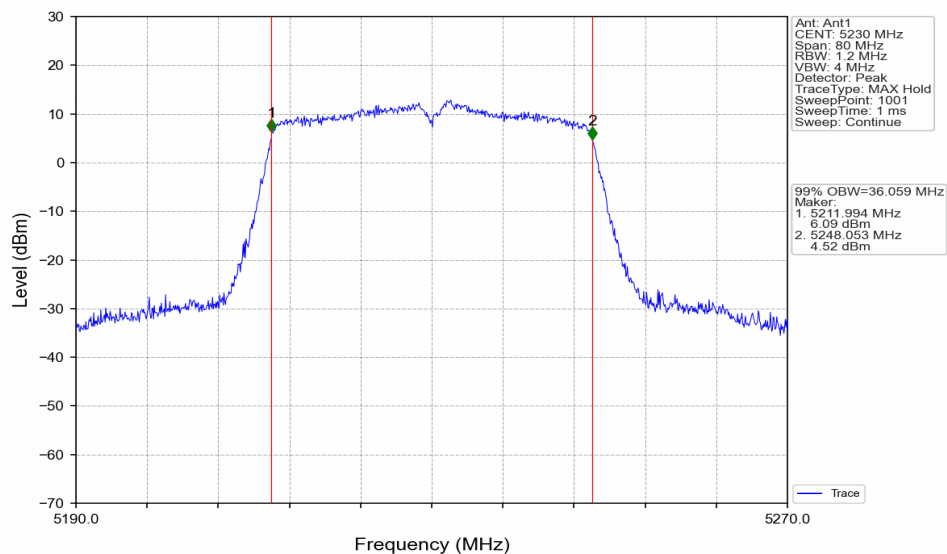
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



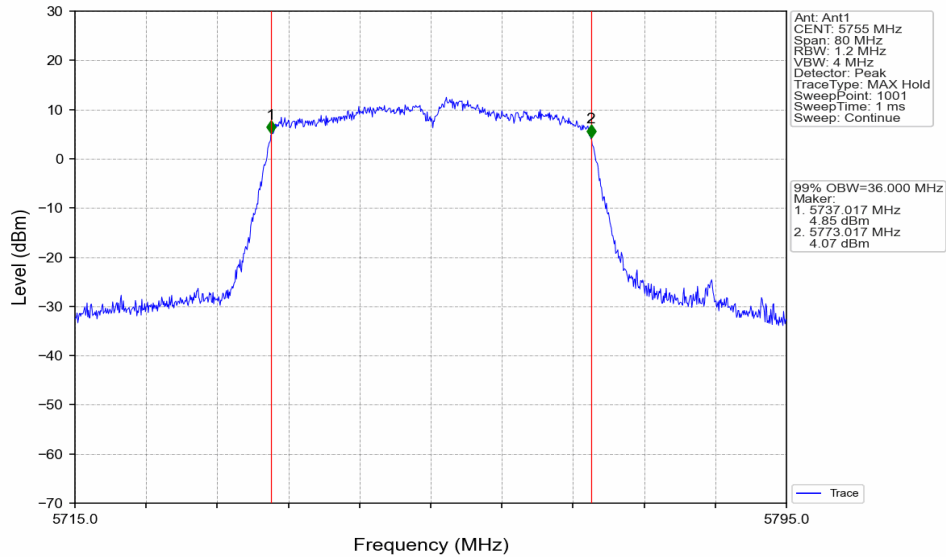
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



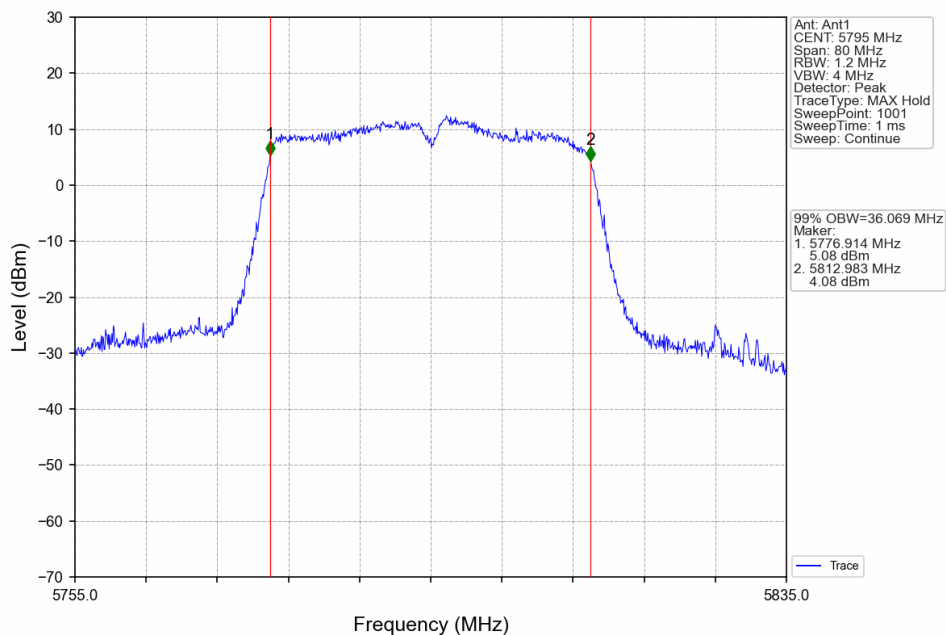
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



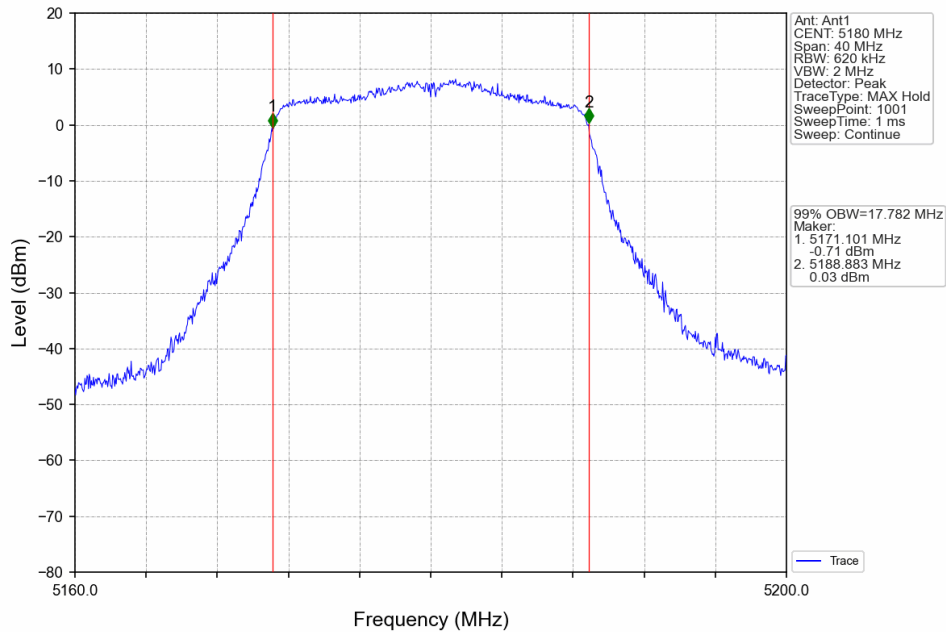
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



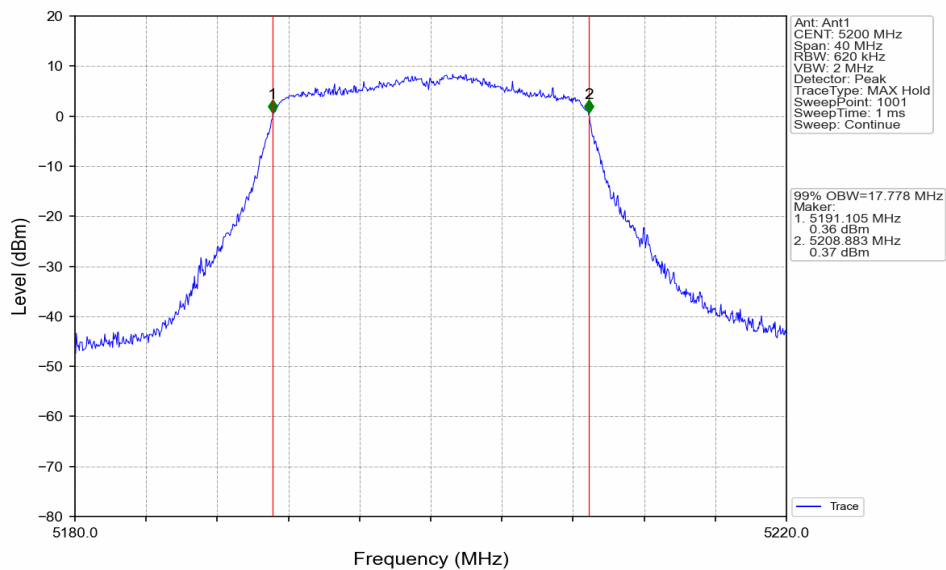
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



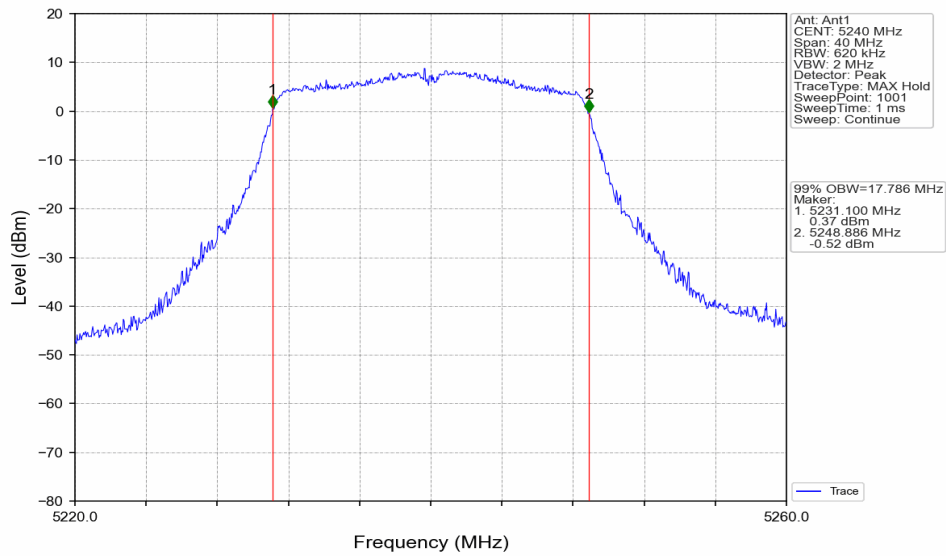
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



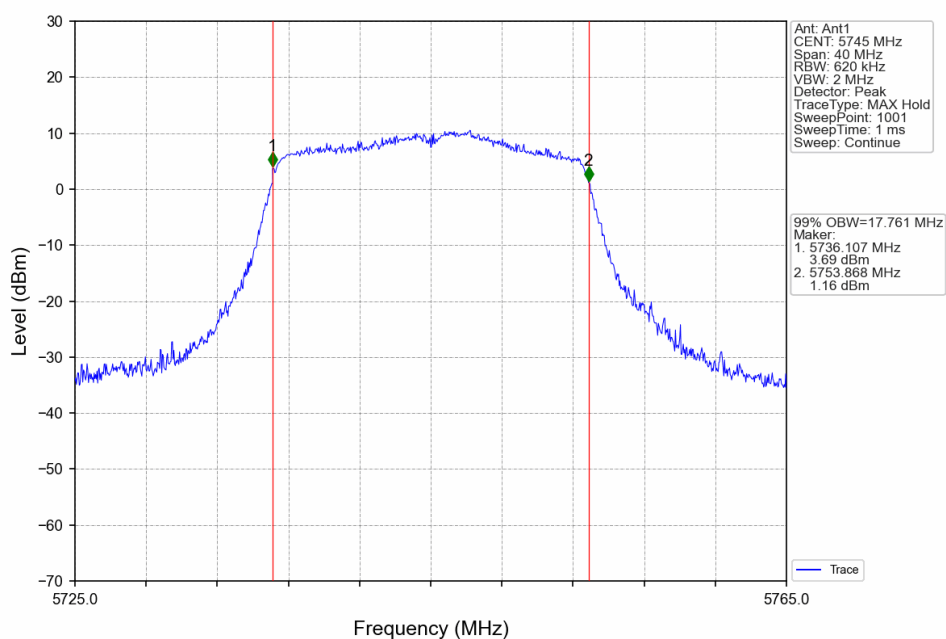
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



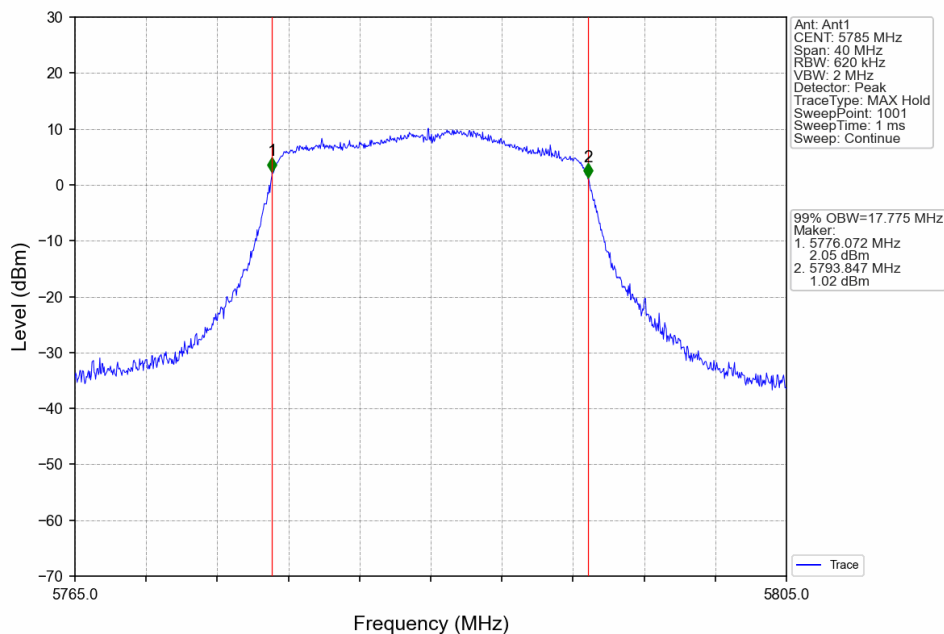
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



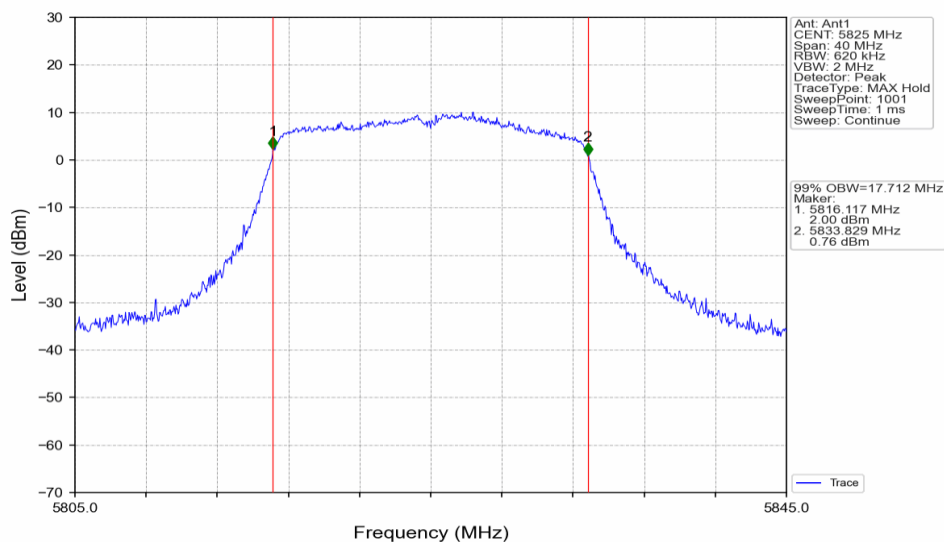
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



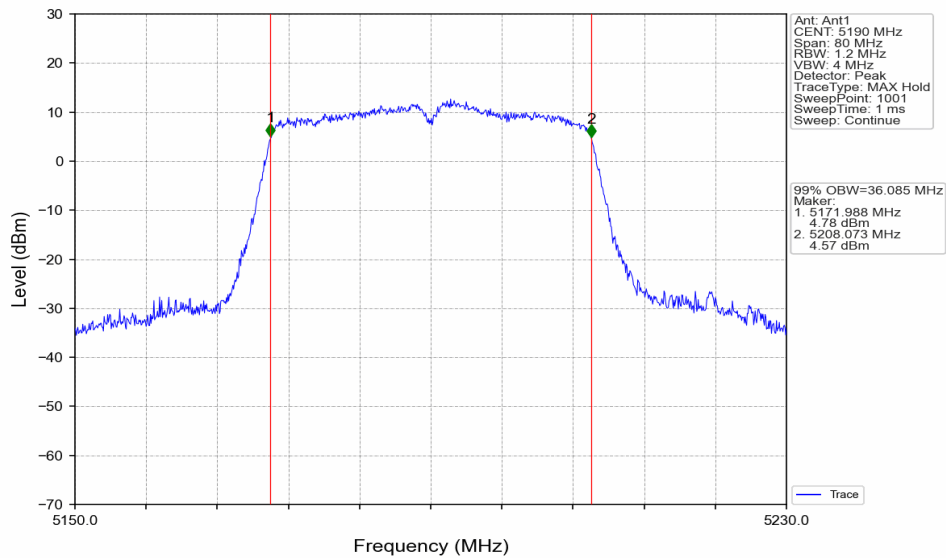
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



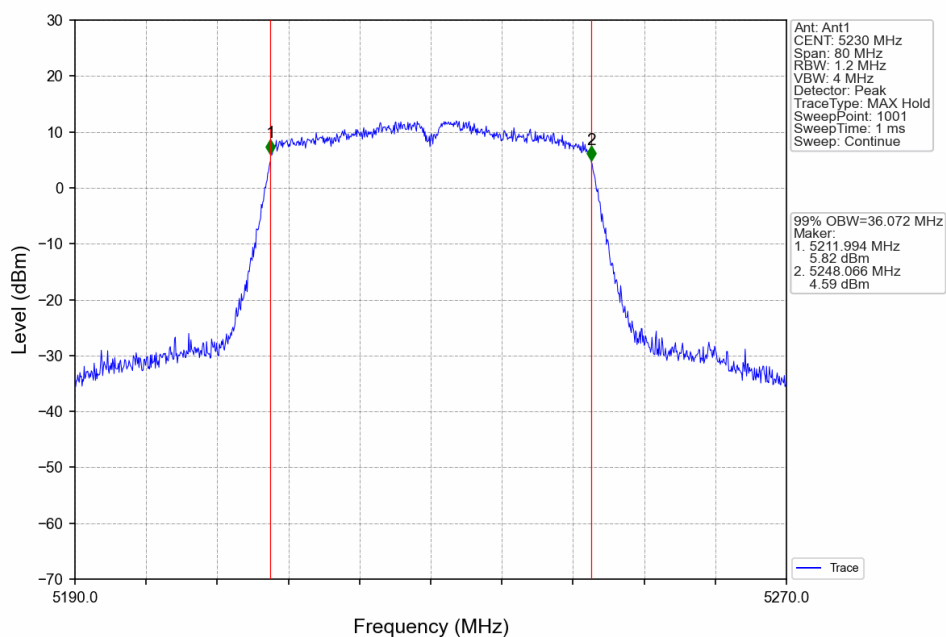
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



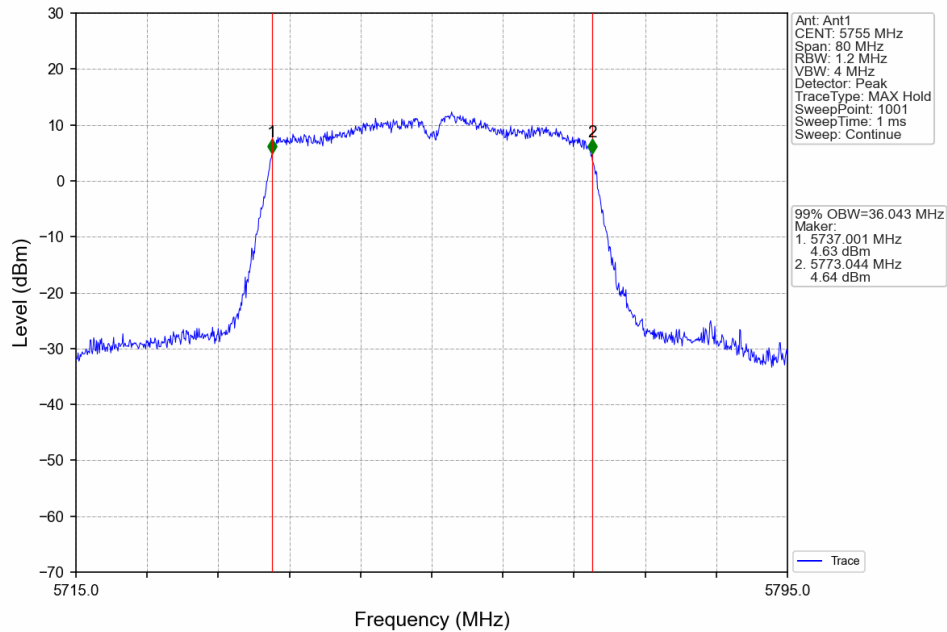
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



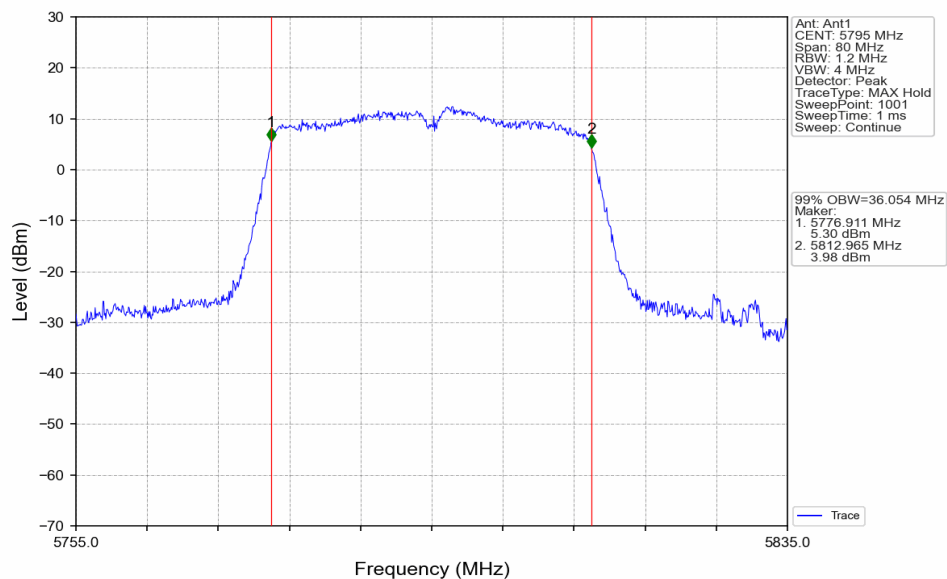
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



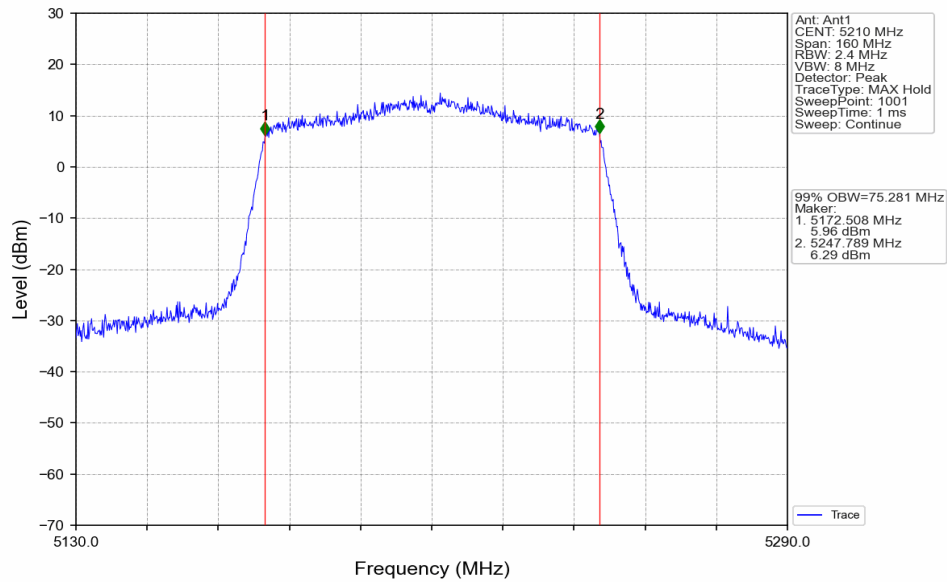
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



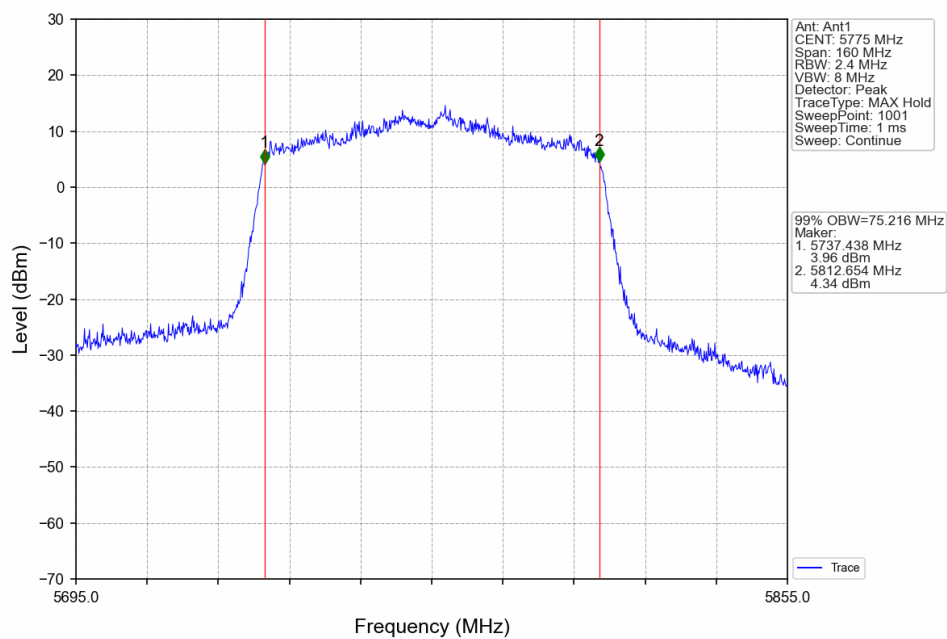
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



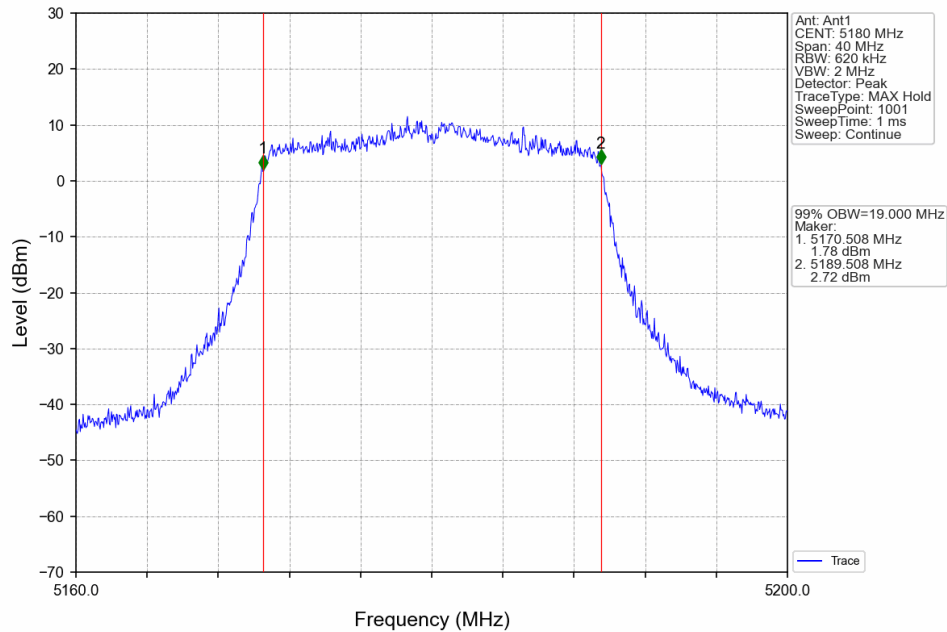
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



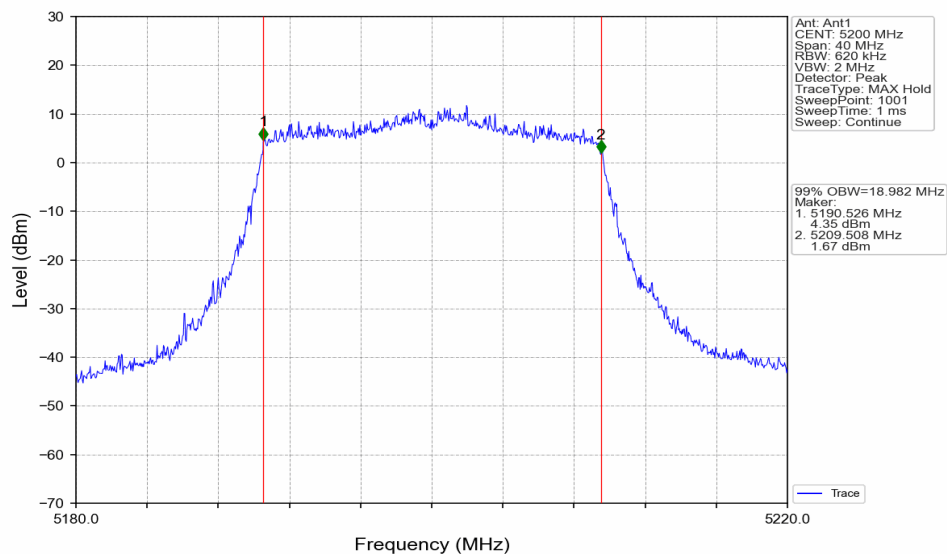
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



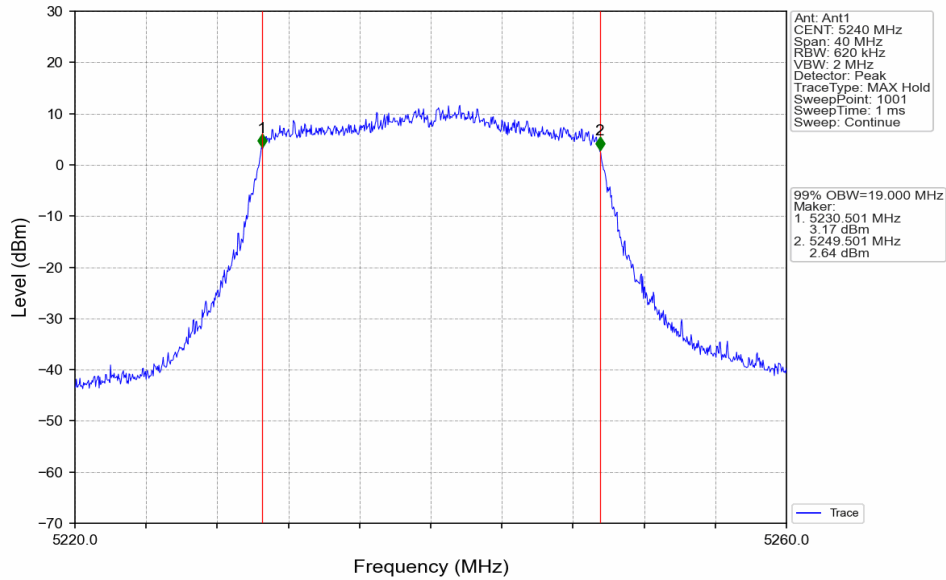
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



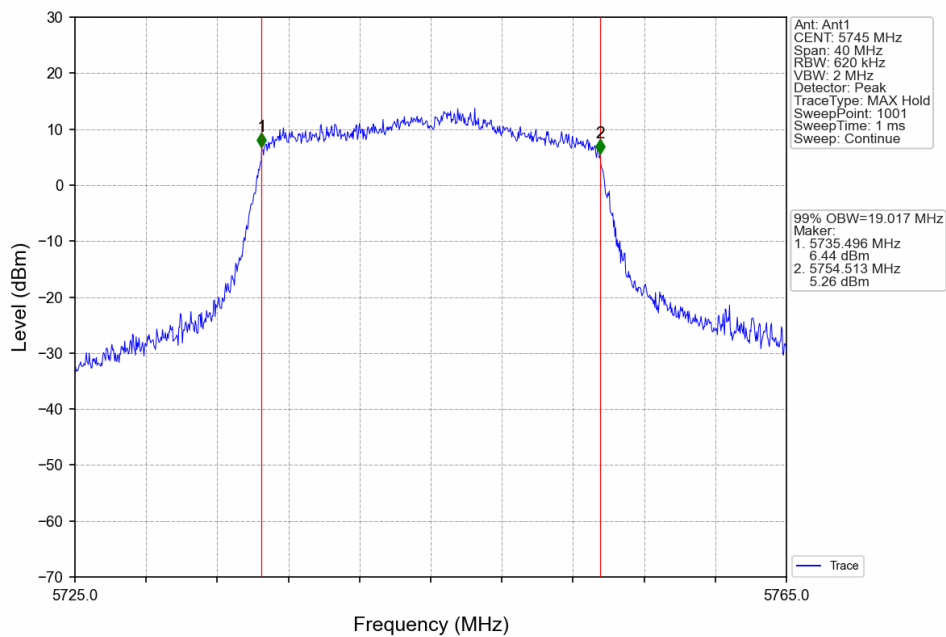
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



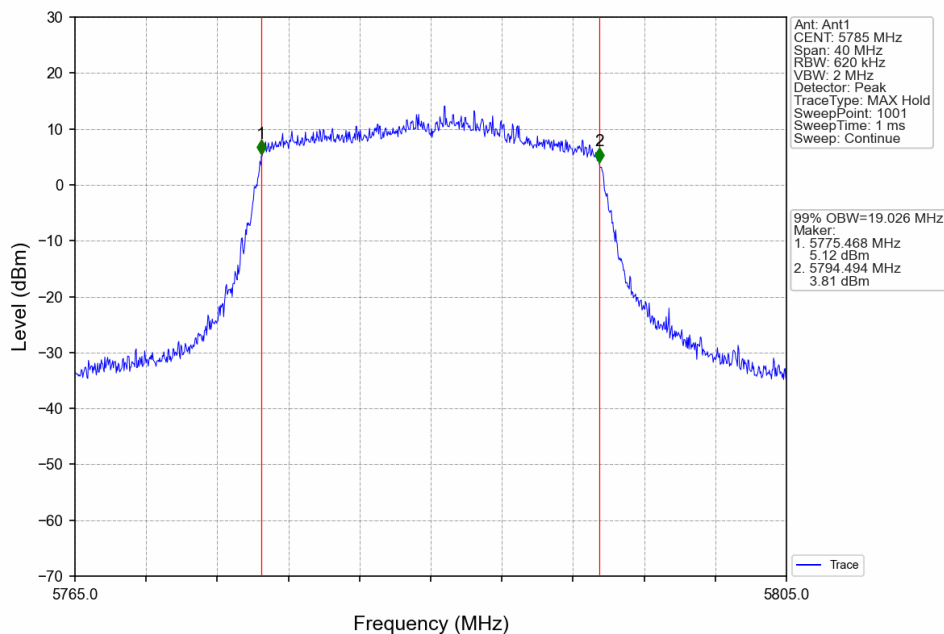
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



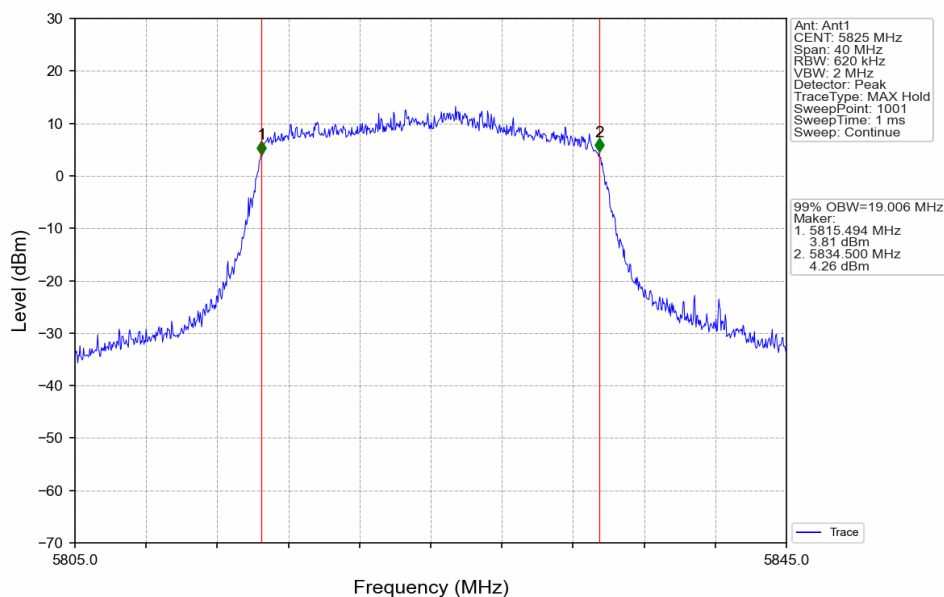
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



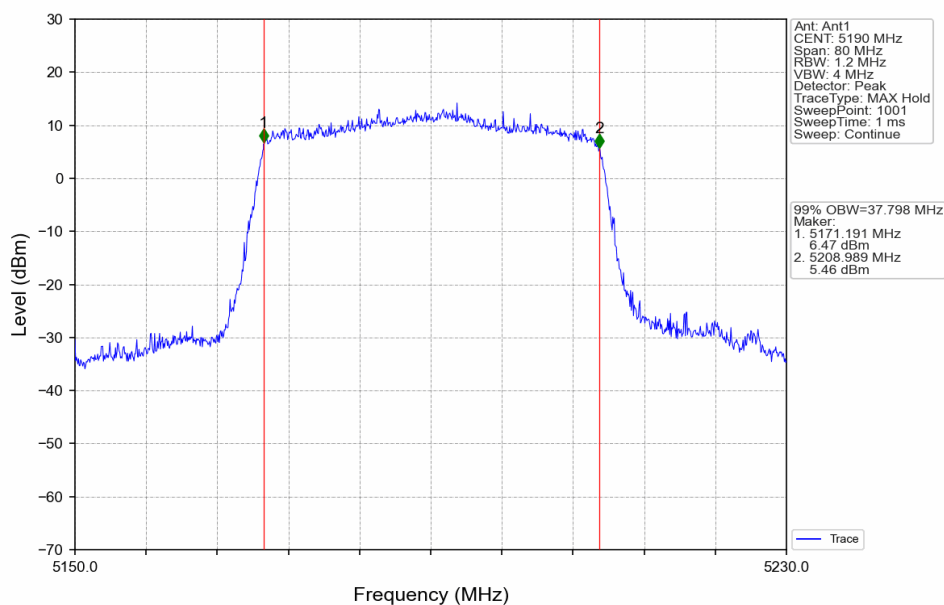
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



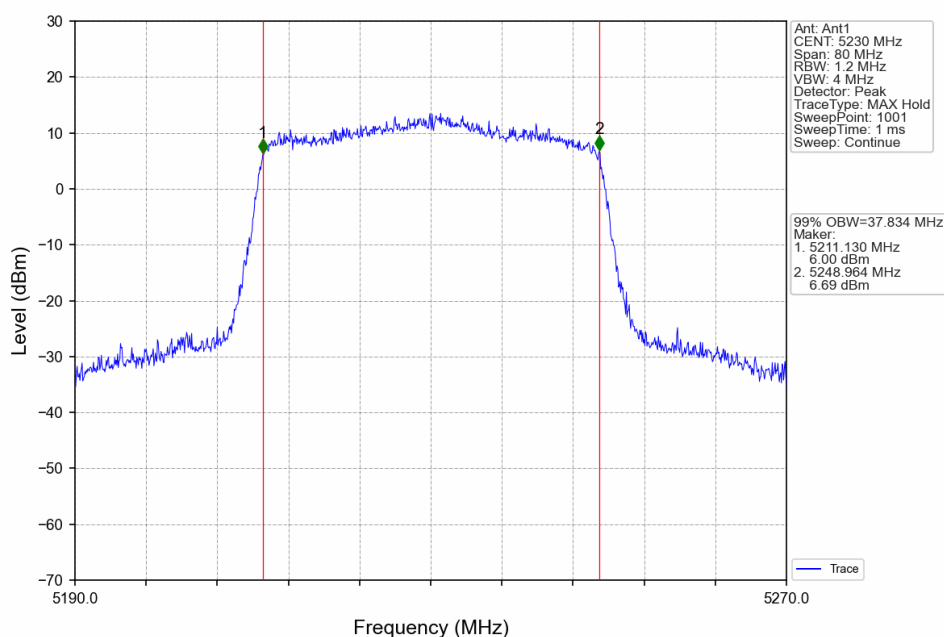
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



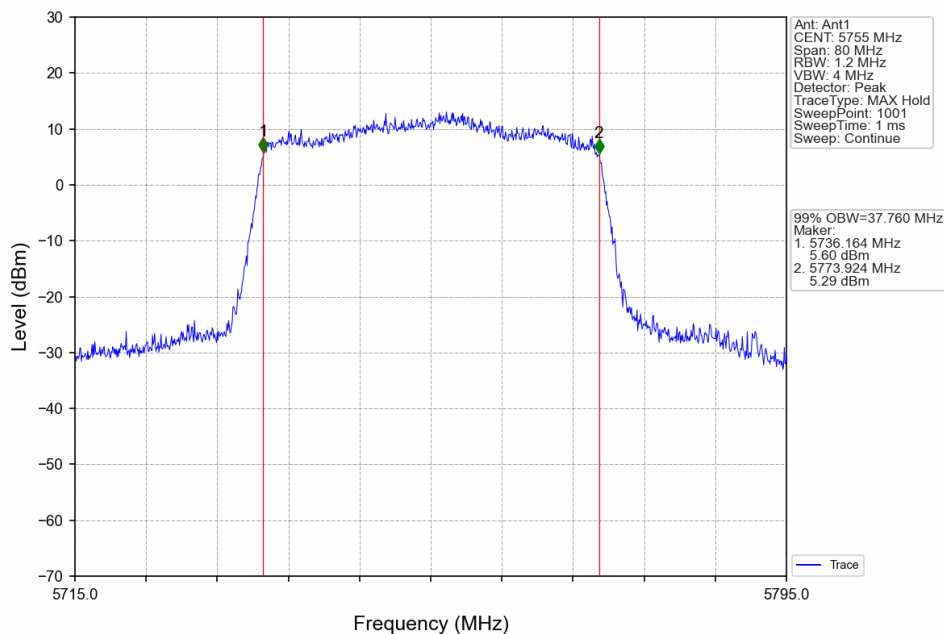
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



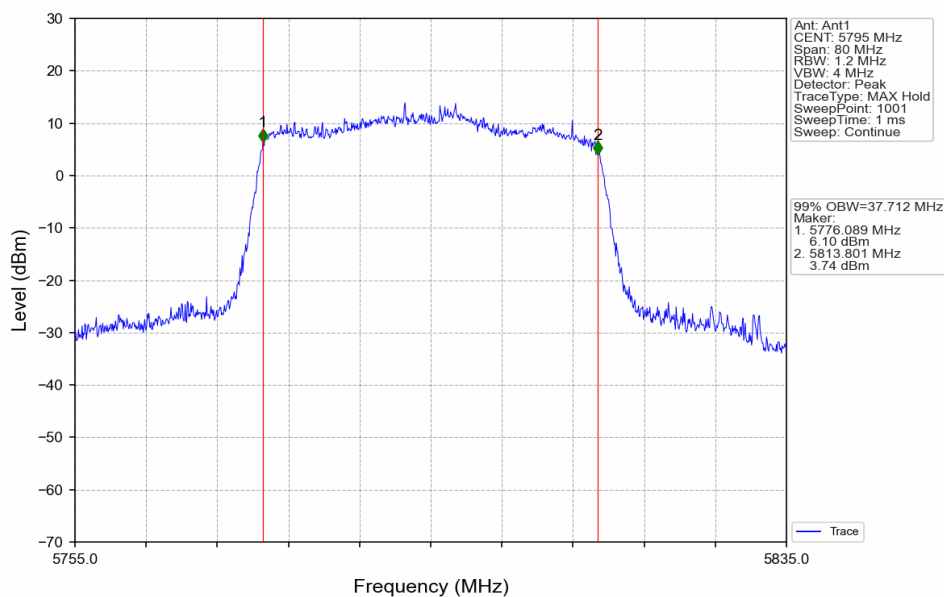
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



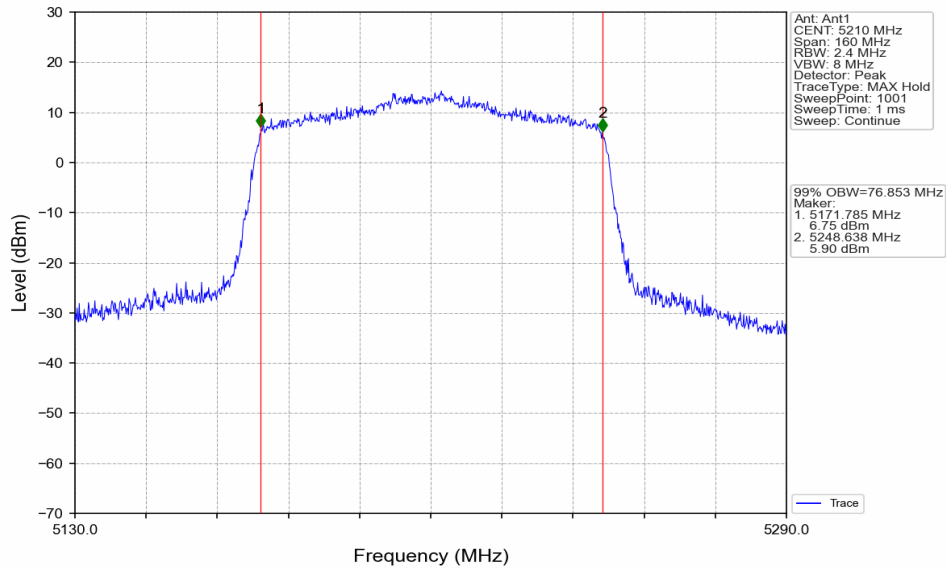
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



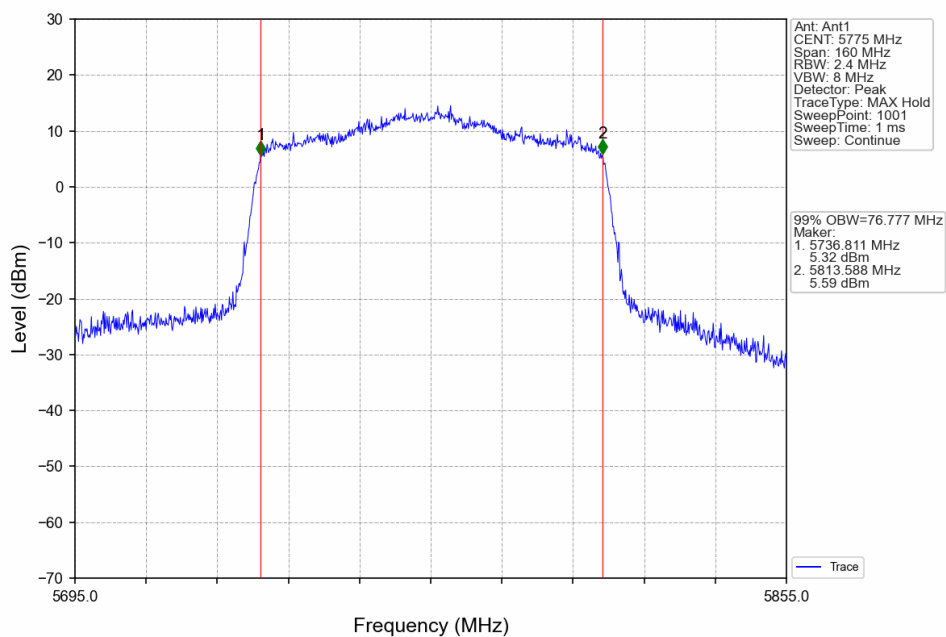
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



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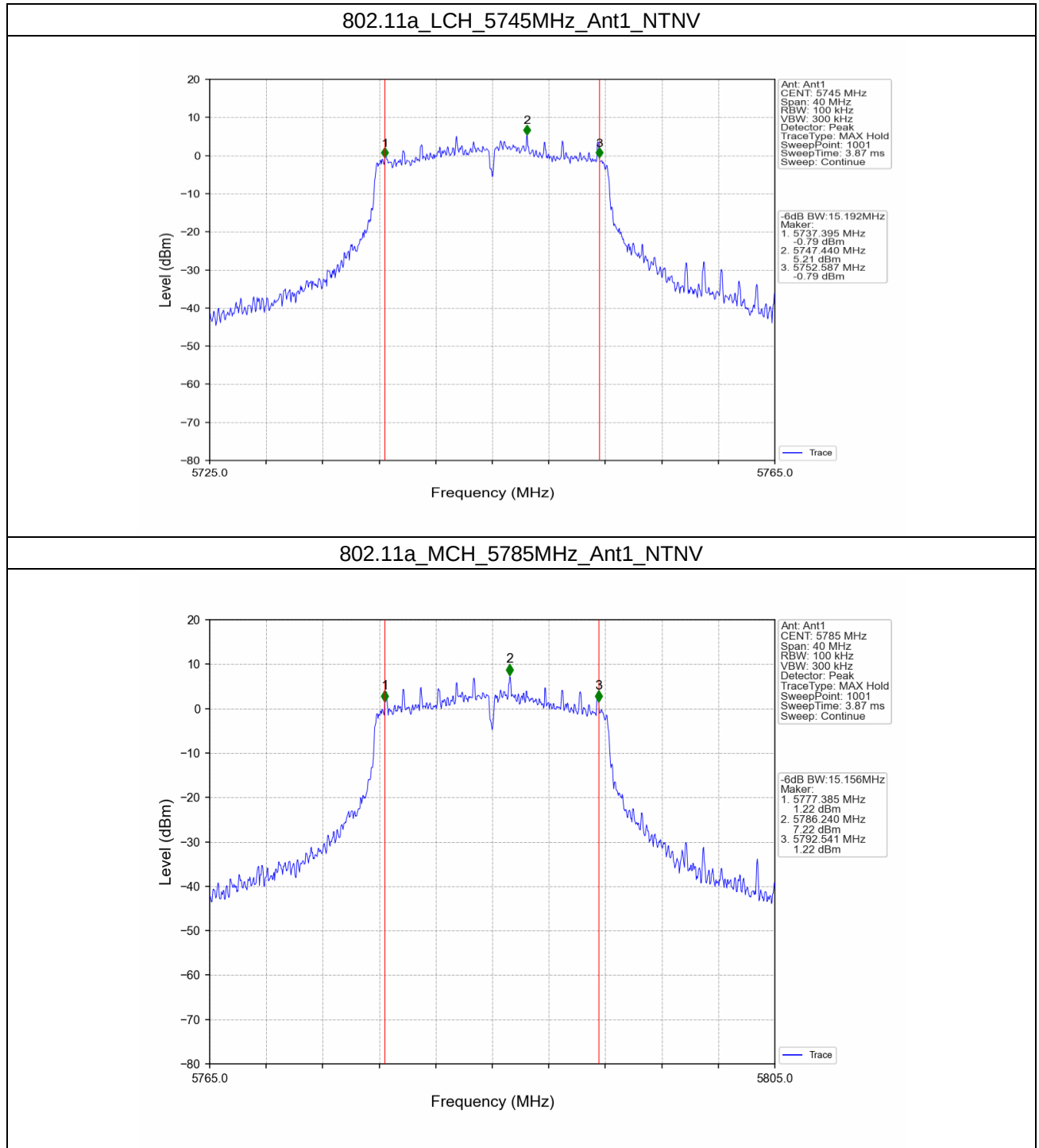
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2.2 6dB BW

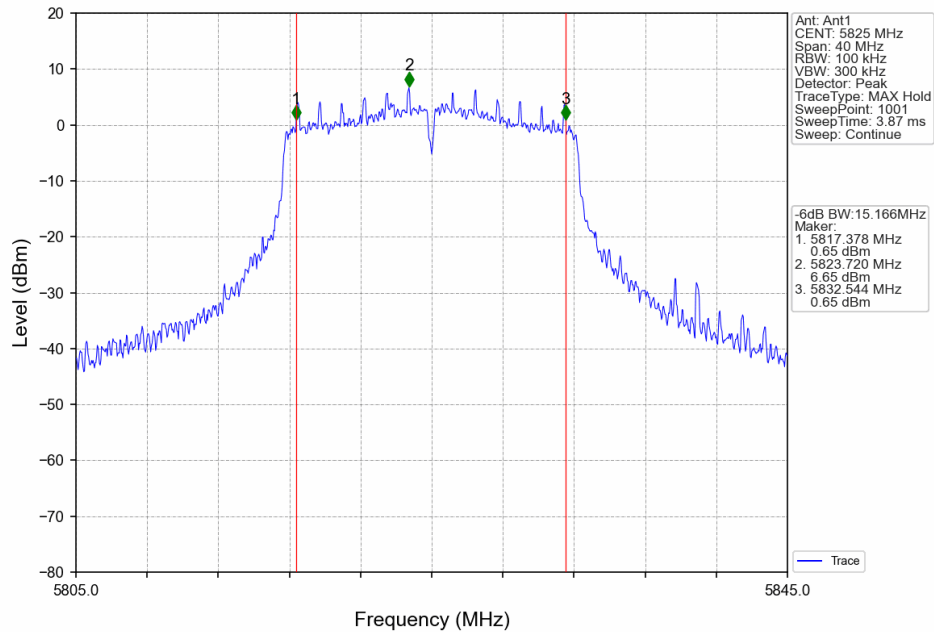
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	15.192	>=0.5	Pass
		5785	/	/	1	15.156	>=0.5	Pass
		5825	/	/	1	15.166	>=0.5	Pass
802.11n (HT20)	MIMO	5745	/	/	1	15.138	>=0.5	Pass
		5785	/	/	1	15.100	>=0.5	Pass
		5825	/	/	1	15.093	>=0.5	Pass
802.11n (HT40)	MIMO	5755	/	/	1	35.097	>=0.5	Pass
		5795	/	/	1	35.123	>=0.5	Pass
802.11ac (VHT20)	MIMO	5745	/	/	1	16.672	>=0.5	Pass
		5785	/	/	1	15.746	>=0.5	Pass
		5825	/	/	1	15.088	>=0.5	Pass
802.11ac (VHT40)	MIMO	5755	/	/	1	33.903	>=0.5	Pass
		5795	/	/	1	35.066	>=0.5	Pass
802.11ac (VHT80)	MIMO	5775	/	/	1	68.872	>=0.5	Pass
802.11ax (HEW20)	MIMO	5745	RU242	Left	1	15.138	>=0.5	Pass
		5785	RU242	Left	1	15.414	>=0.5	Pass
		5825	RU242	Left	1	16.461	>=0.5	Pass
802.11ax (HEW40)	MIMO	5755	RU484	Left	1	35.141	>=0.5	Pass
		5795	RU484	Left	1	36.059	>=0.5	Pass
802.11ax (HEW80)	MIMO	5775	RU996	Left	1	66.321	>=0.5	Pass

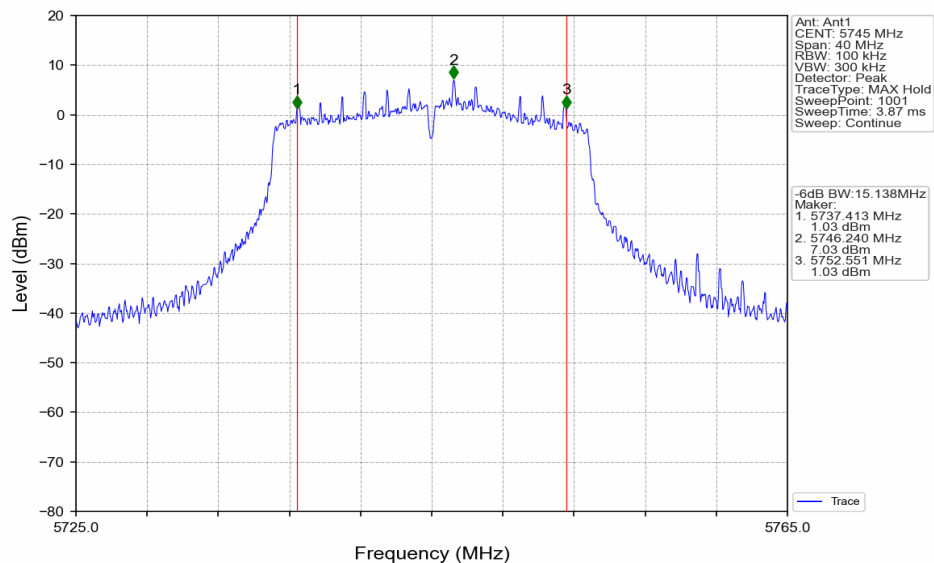
2.2.2 Test Graph



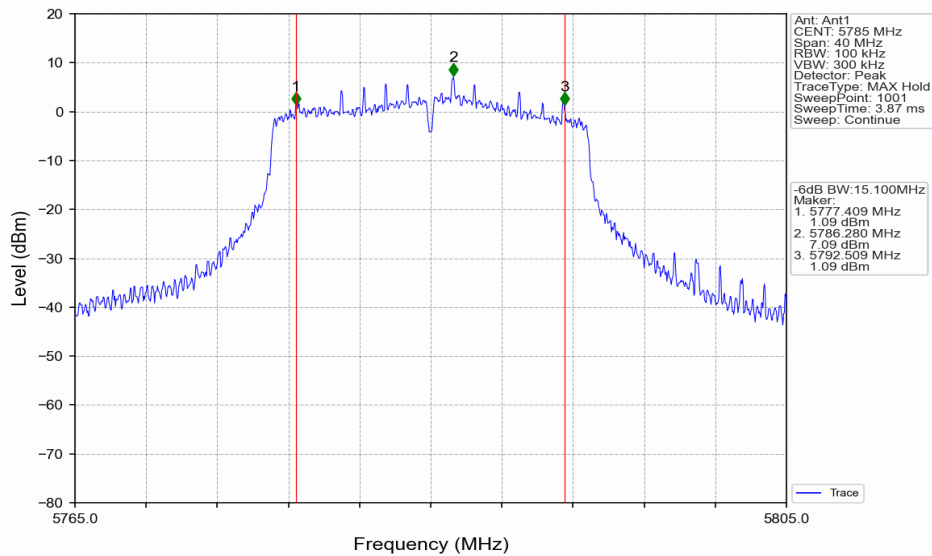
802.11a_HCH_5825MHz_Ant1_NTNV



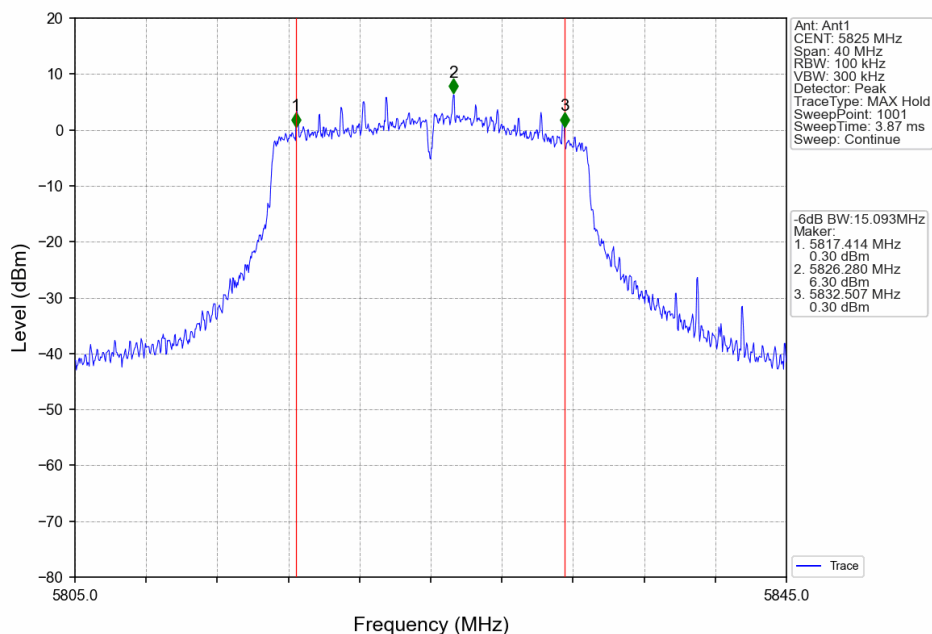
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



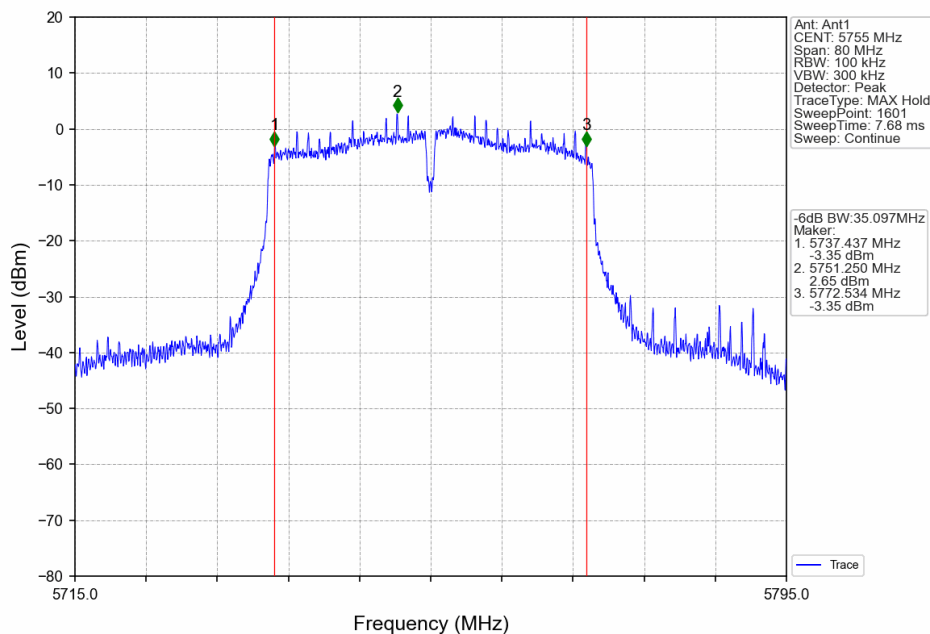
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



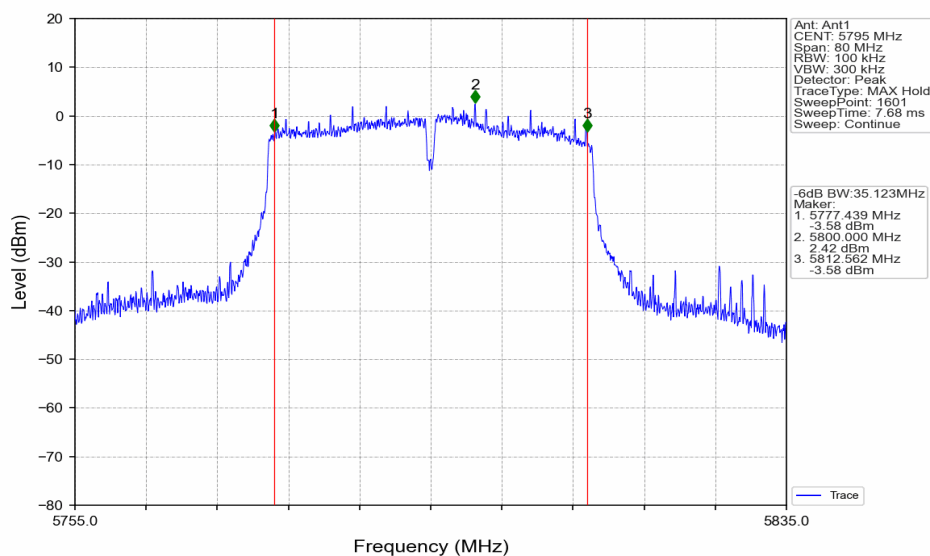
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



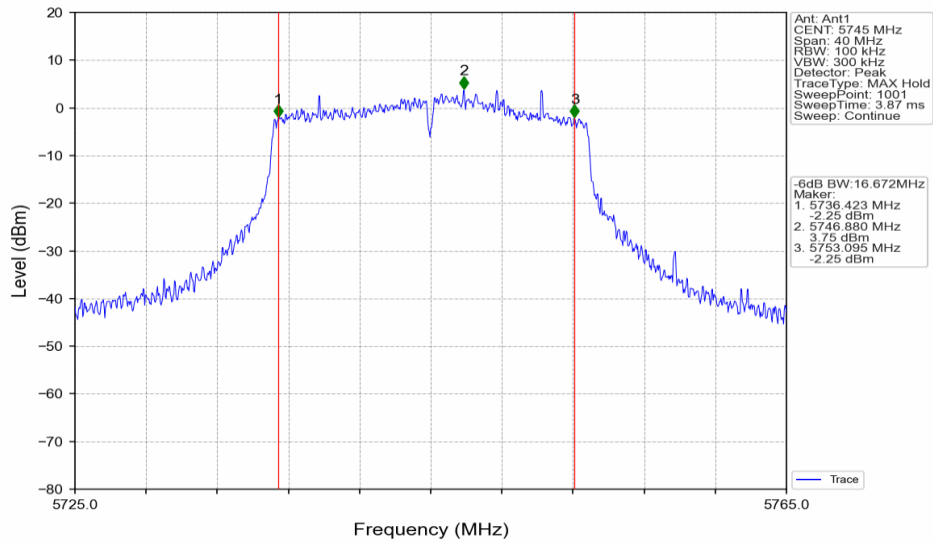
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



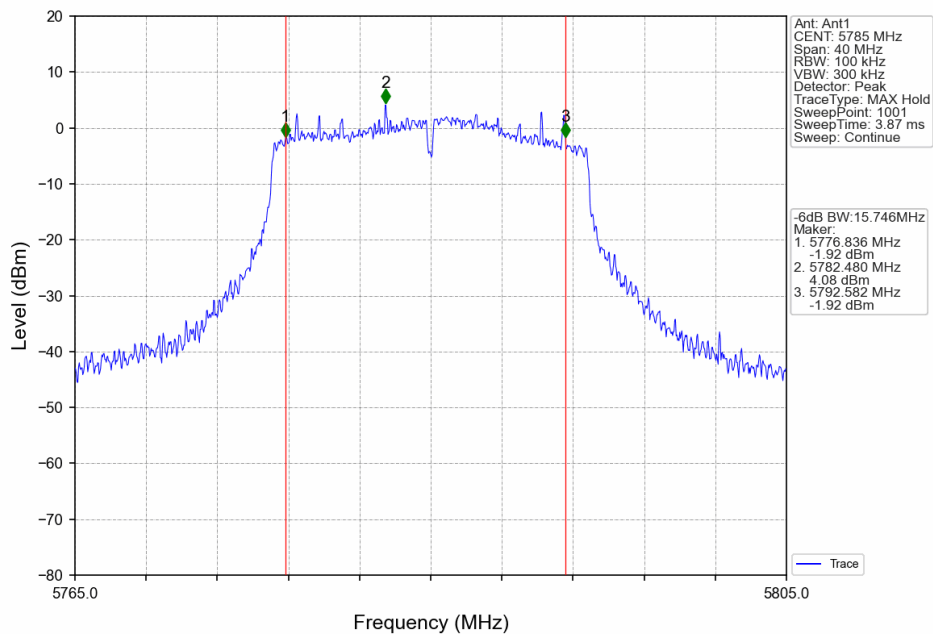
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



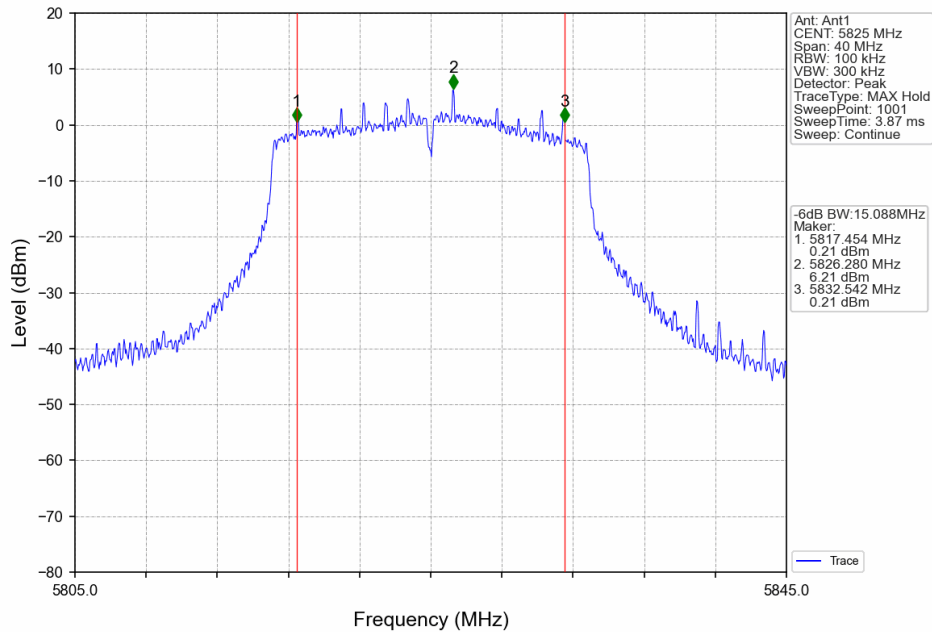
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



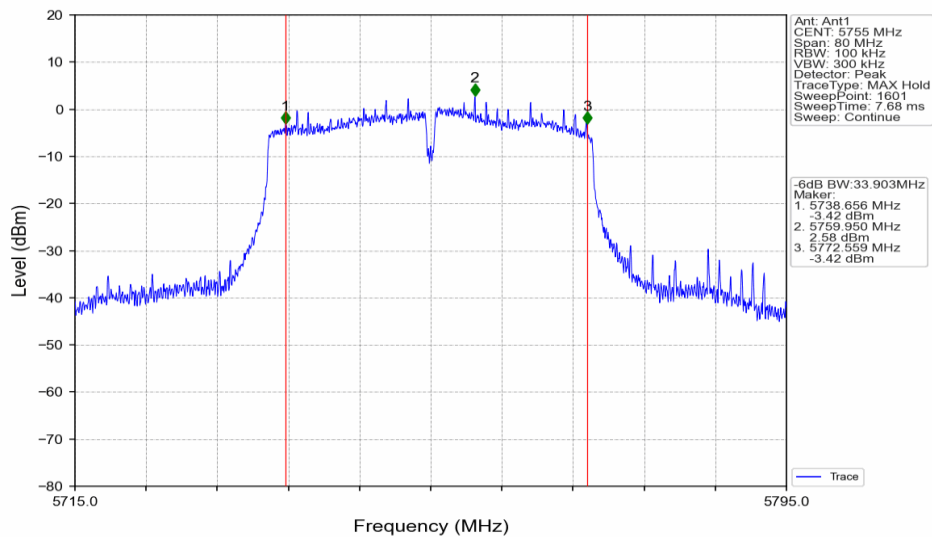
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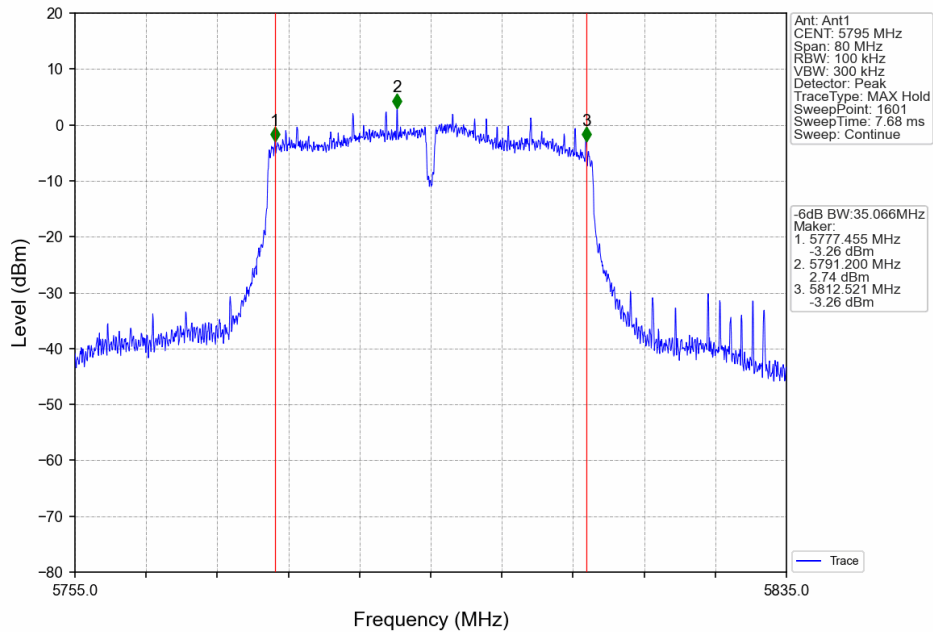
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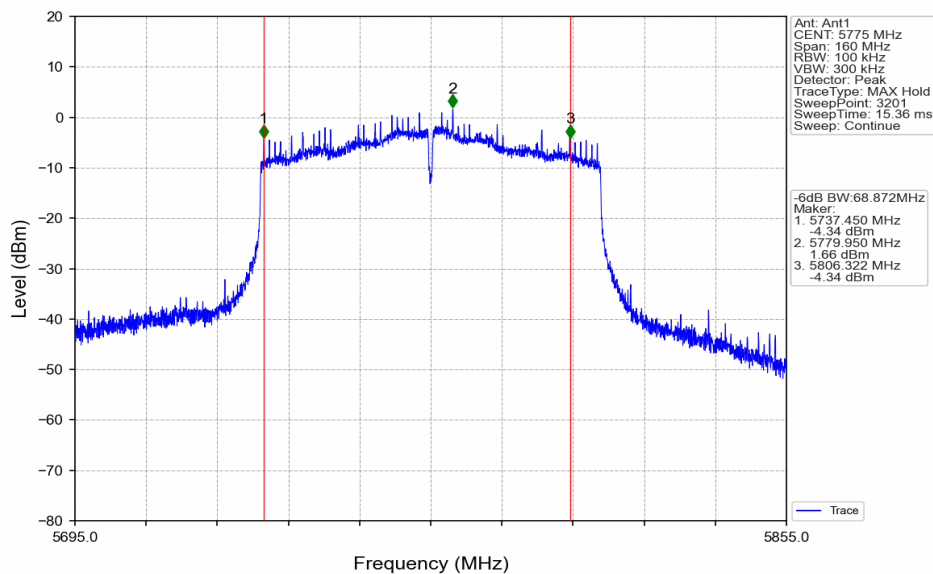
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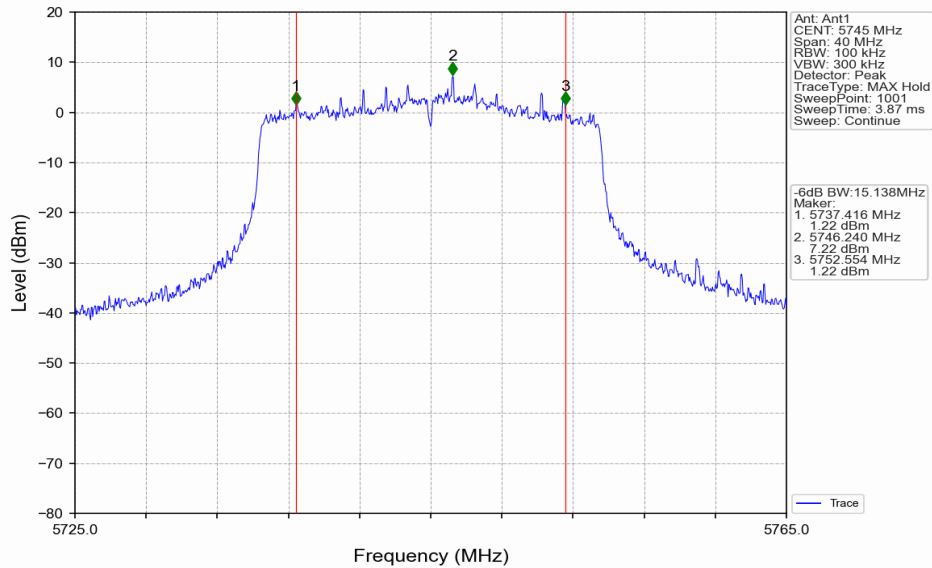
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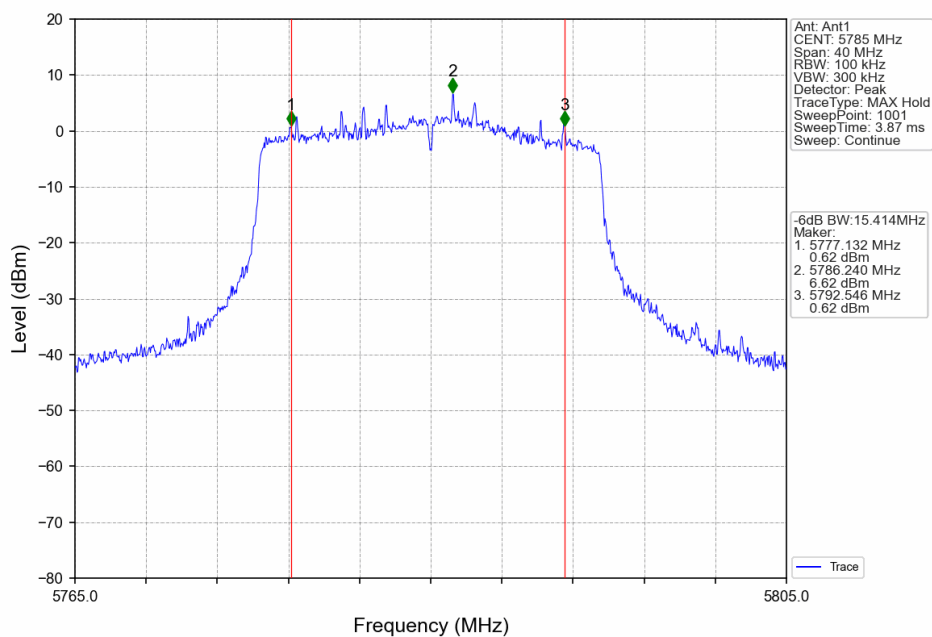
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



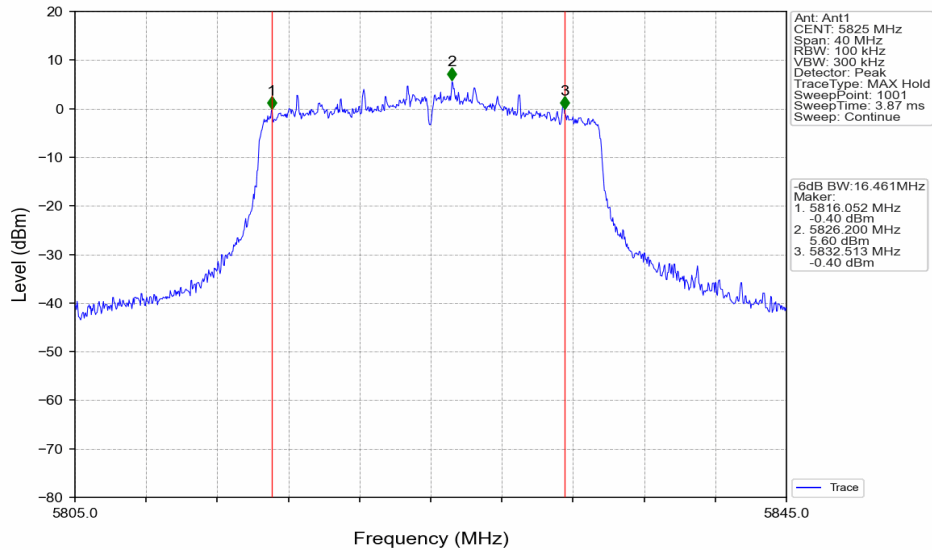
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



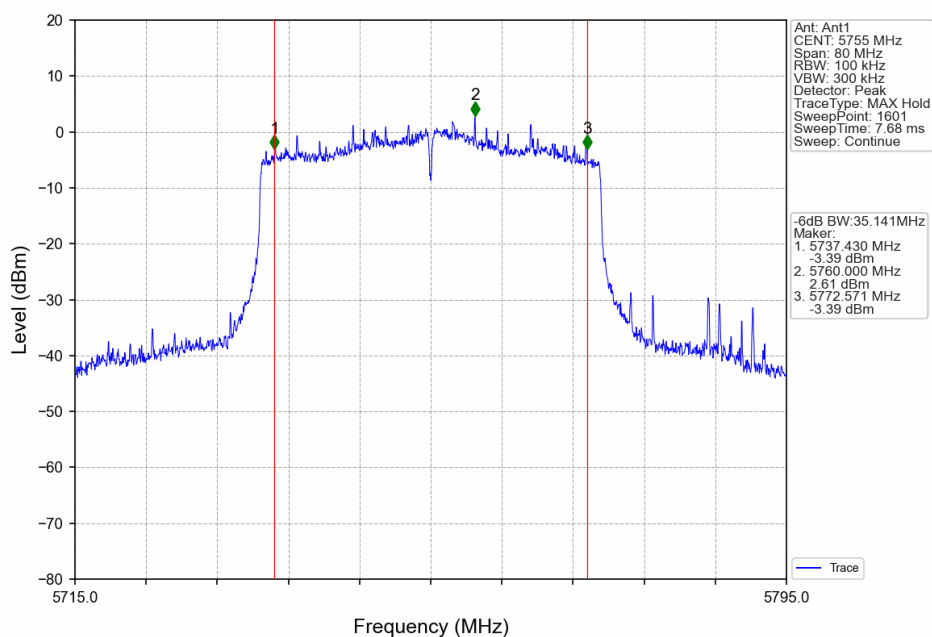
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



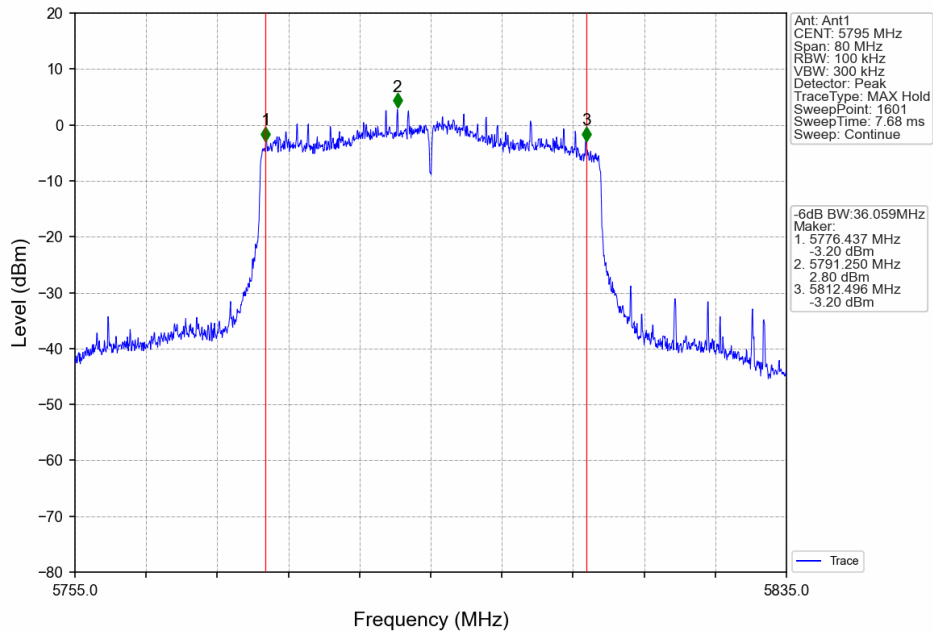
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



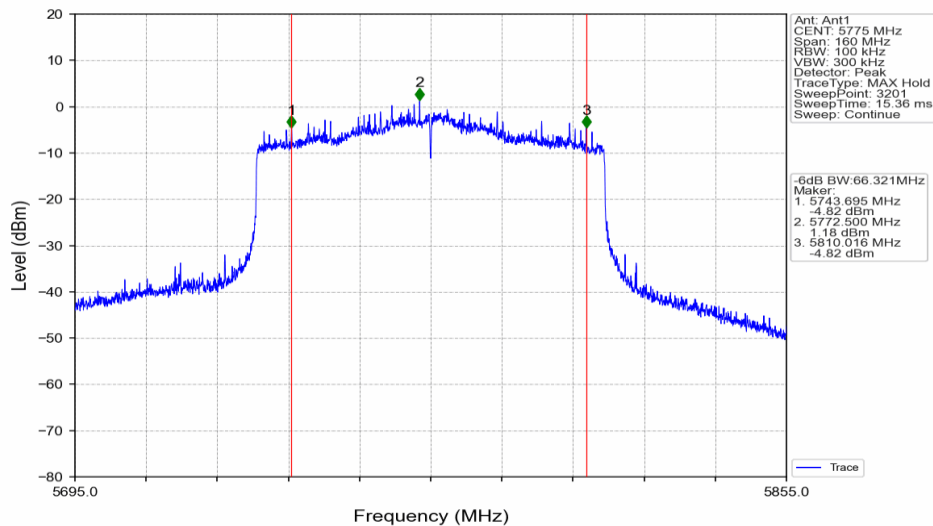
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



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2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)	Verdict
						Result	
802.11a	SISO	5180	/	/	1	18.851	Pass
		5200	/	/	1	18.709	Pass
		5240	/	/	1	18.764	Pass
802.11n (HT20)	MIMO	5180	/	/	1	19.983	Pass
		5200	/	/	1	19.712	Pass
		5240	/	/	1	19.996	Pass
802.11n (HT40)	MIMO	5190	/	/	1	39.592	Pass
		5230	/	/	1	39.475	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	20.029	Pass
		5200	/	/	1	19.831	Pass
		5240	/	/	1	19.753	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	39.539	Pass
		5230	/	/	1	39.556	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	81.150	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	20.795	Pass
		5200	RU242	Left	1	20.597	Pass
		5240	RU242	Left	1	20.666	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	40.387	Pass
		5230	RU484	Left	1	39.829	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	80.873	Pass

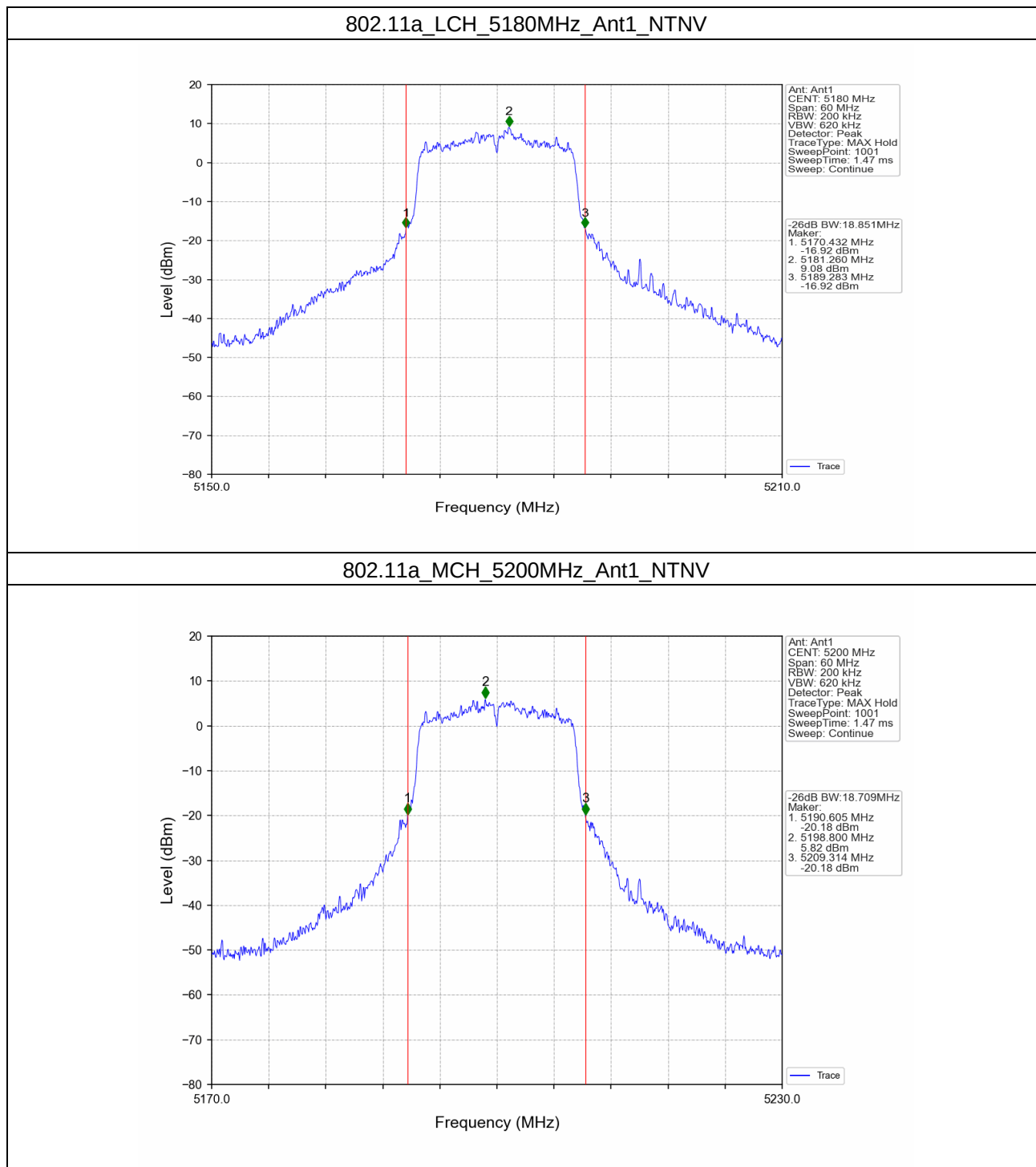


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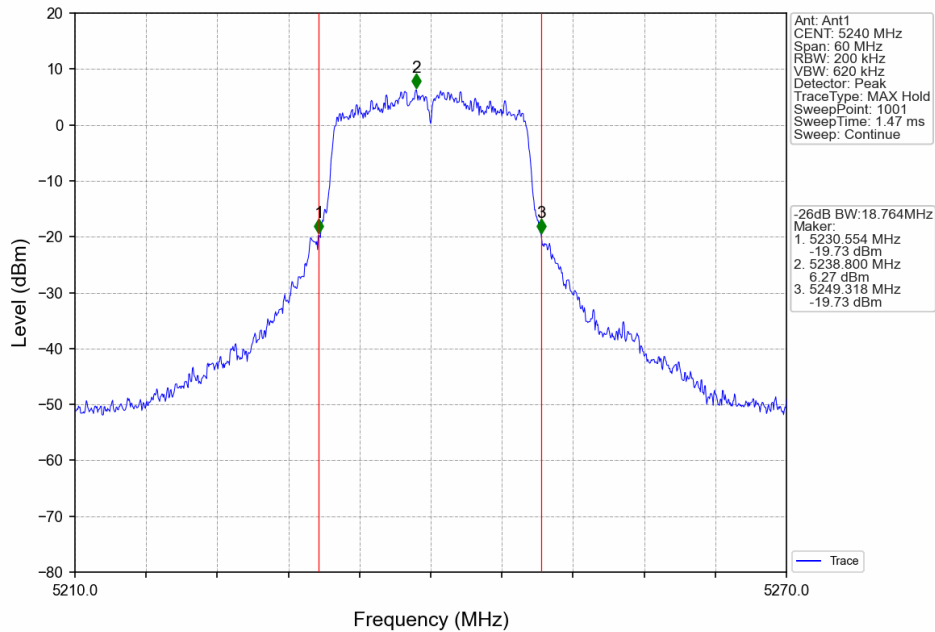
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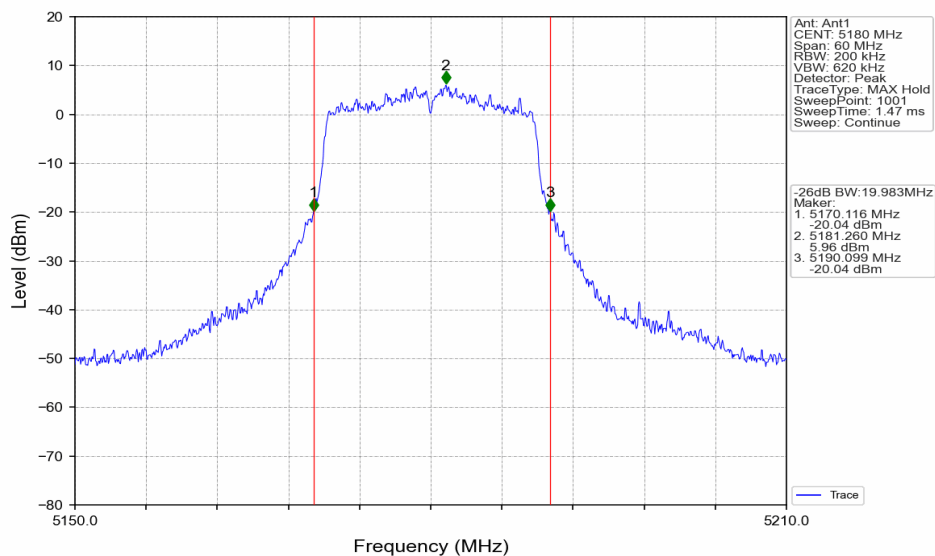
2.3.2 Test Graph



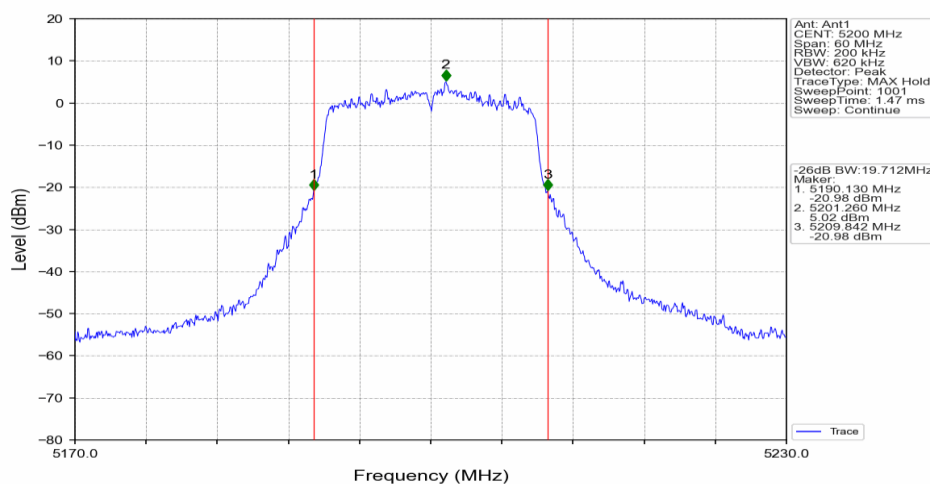
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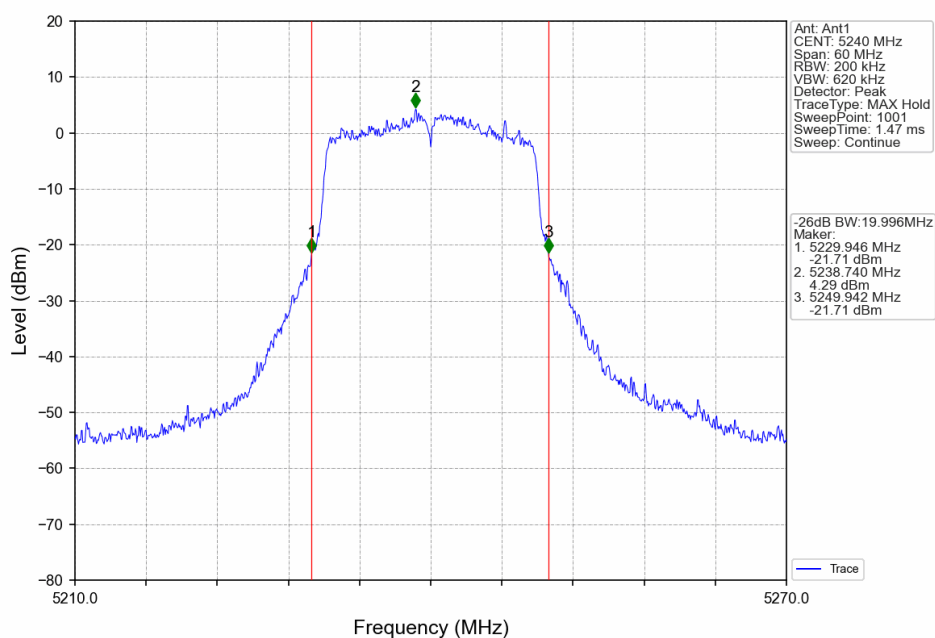
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



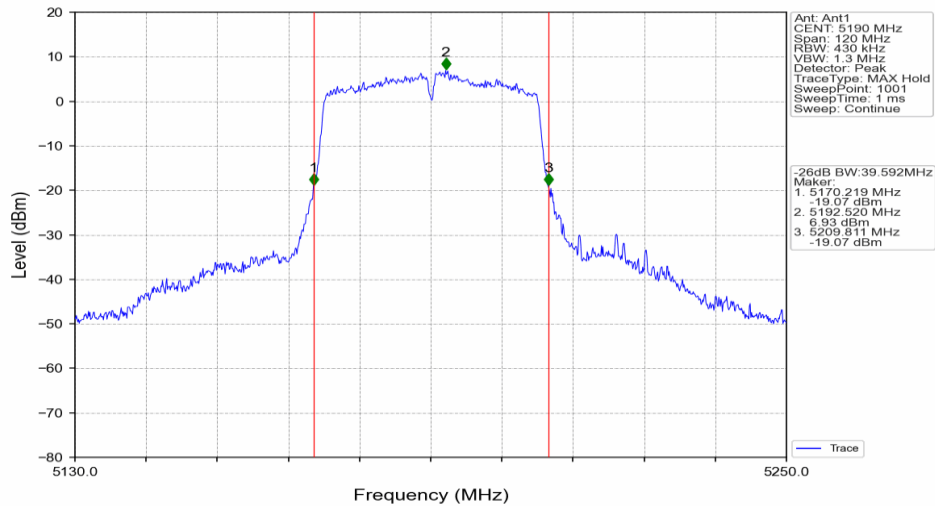
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV

