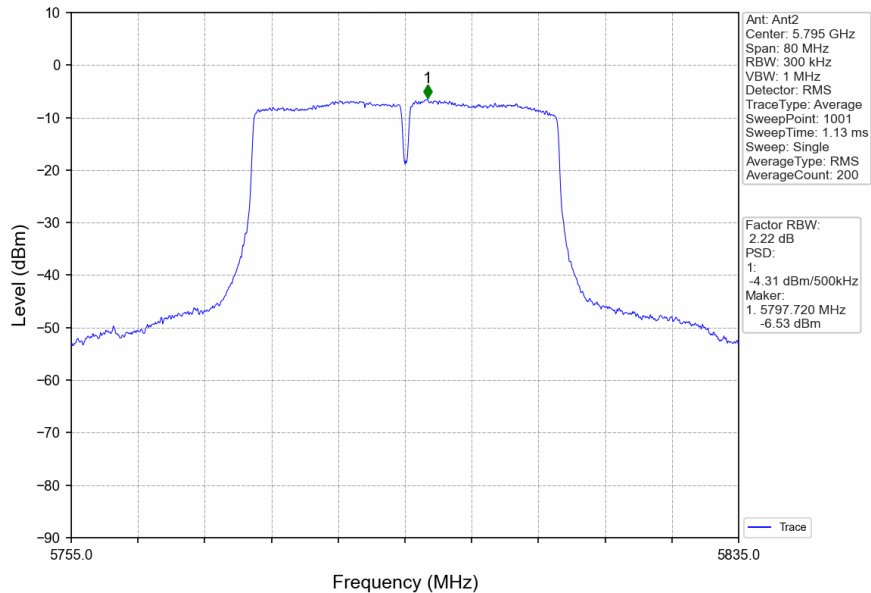
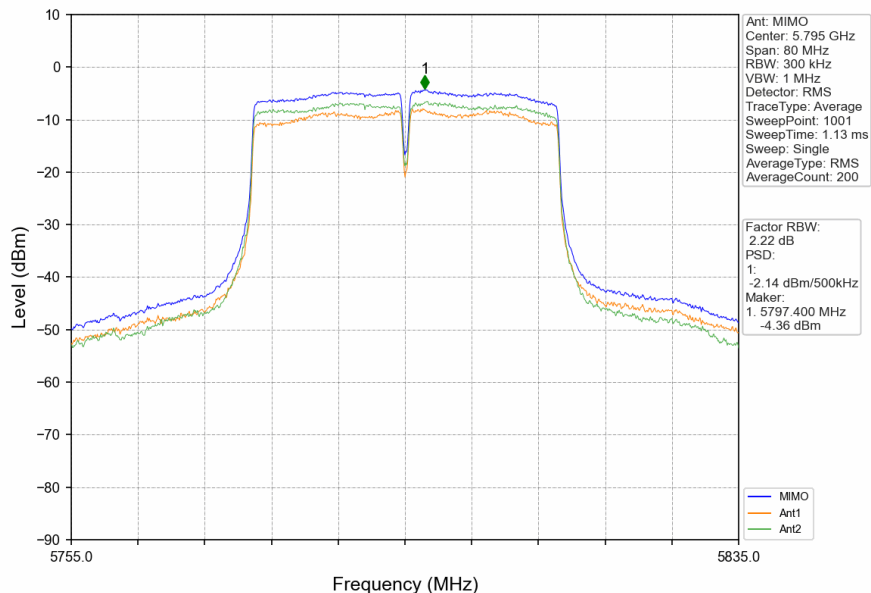


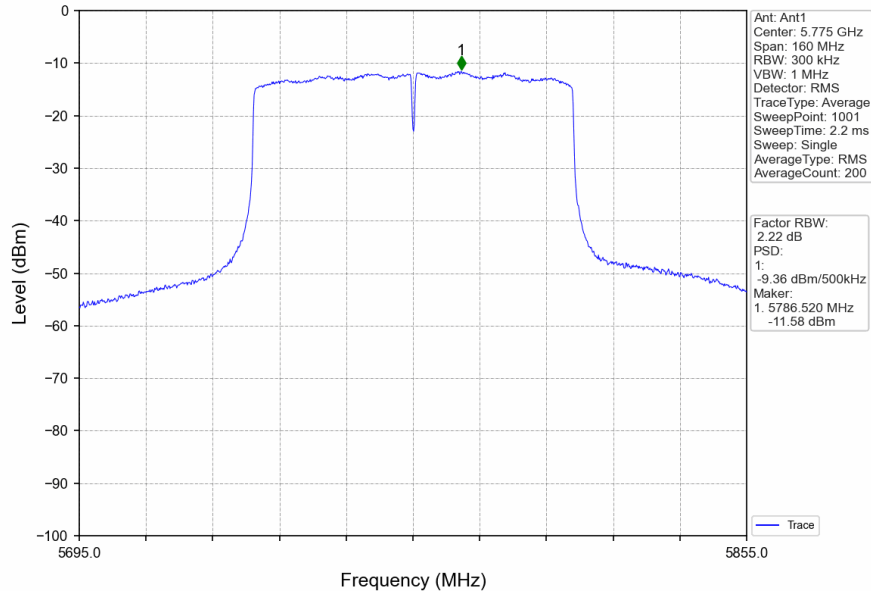
802.11ac(VHT40)_HCH_5795MHz_Ant2_NTNV



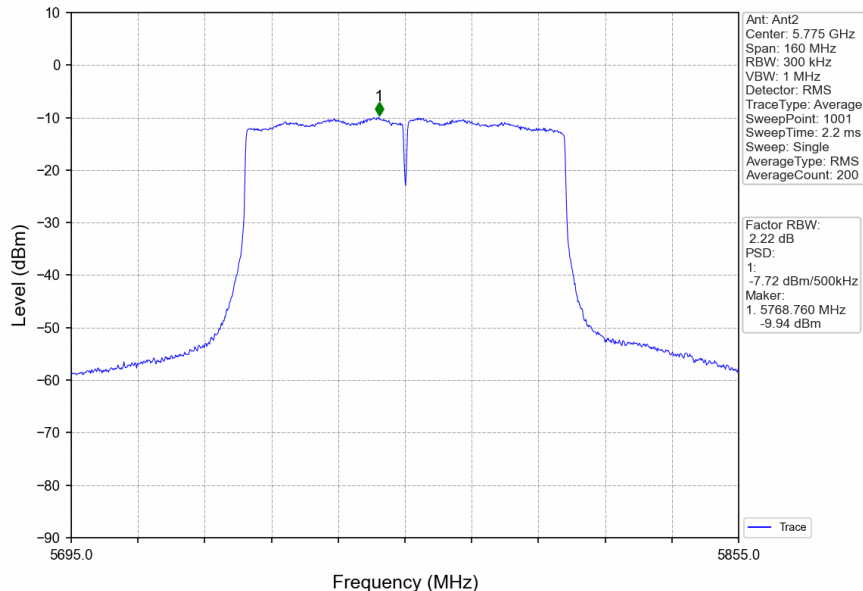
802.11ac(VHT40)_HCH_5795MHz_MIMO_NTNV



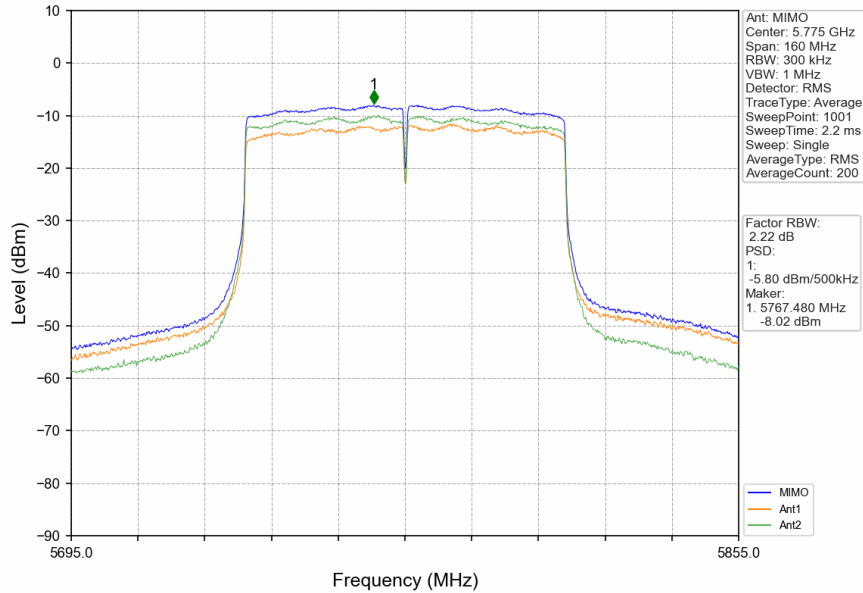
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



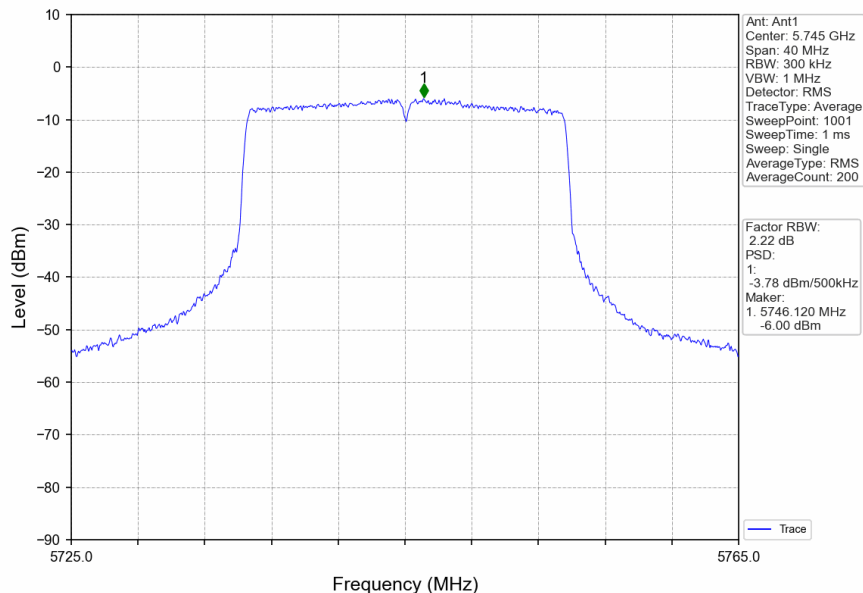
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802.11ac(VHT80)_MCH_5775MHz_MIMO_NTNV



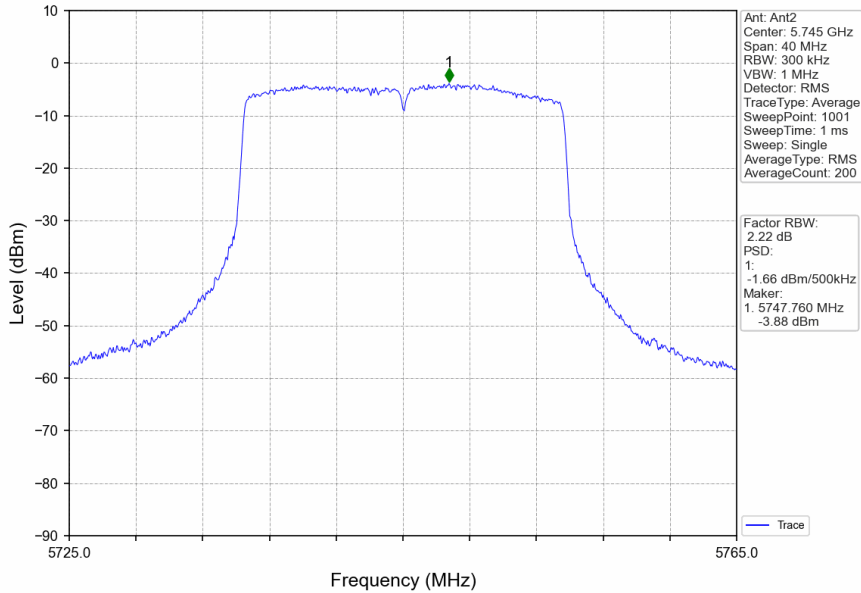
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



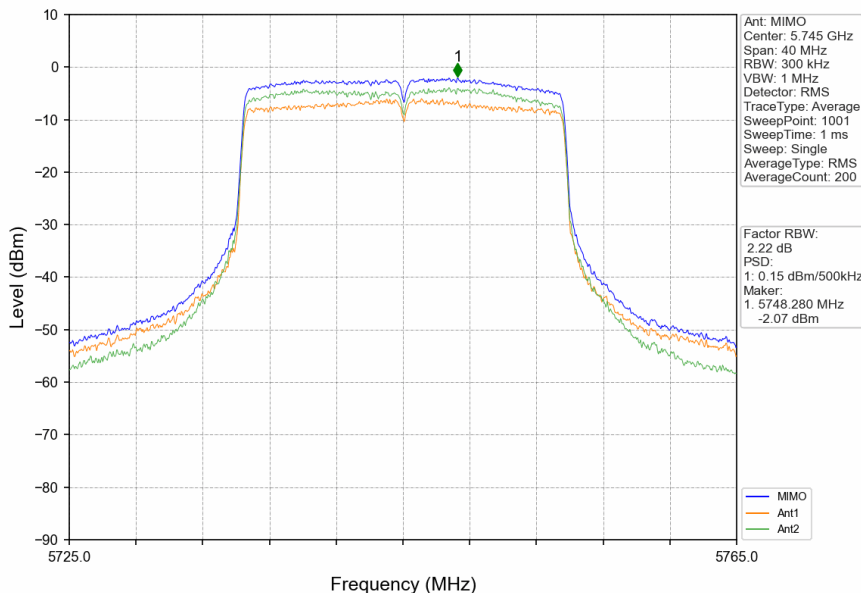
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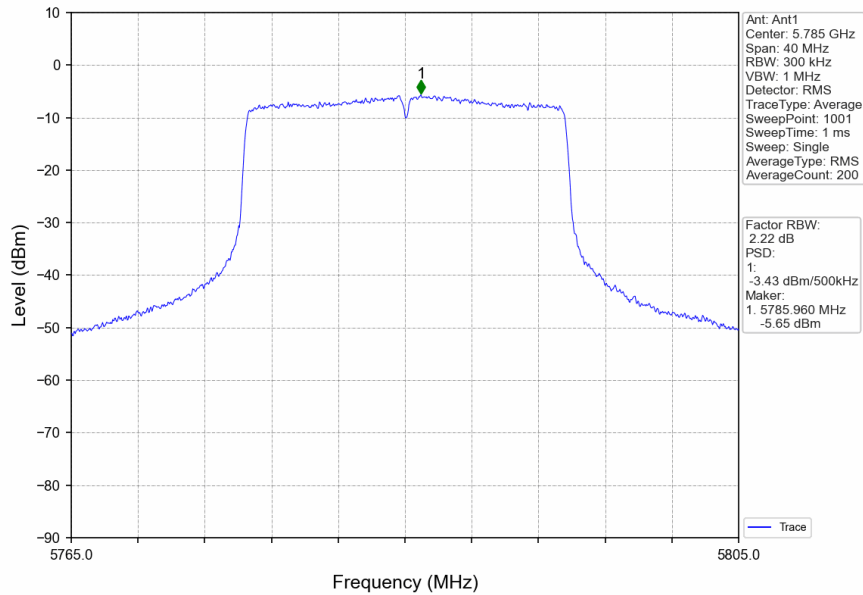
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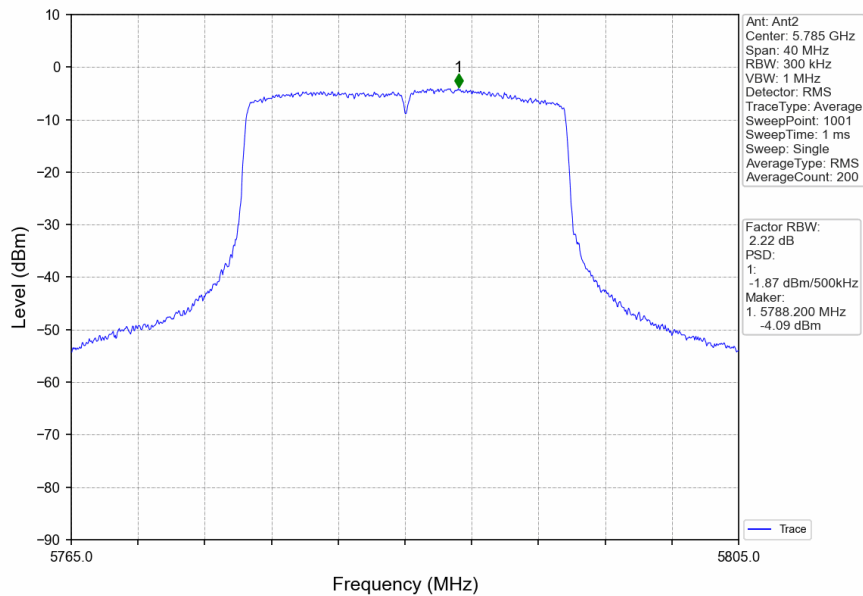
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



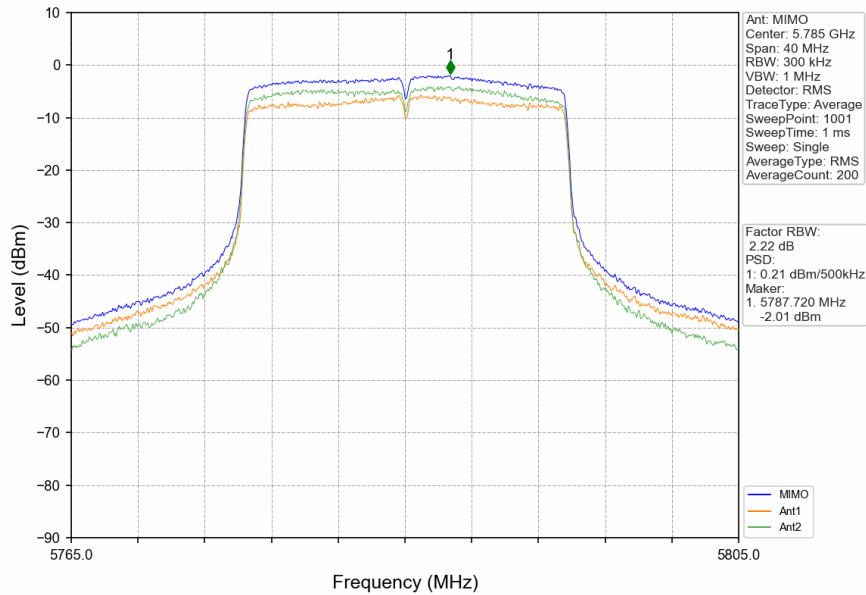
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant2_NTNV



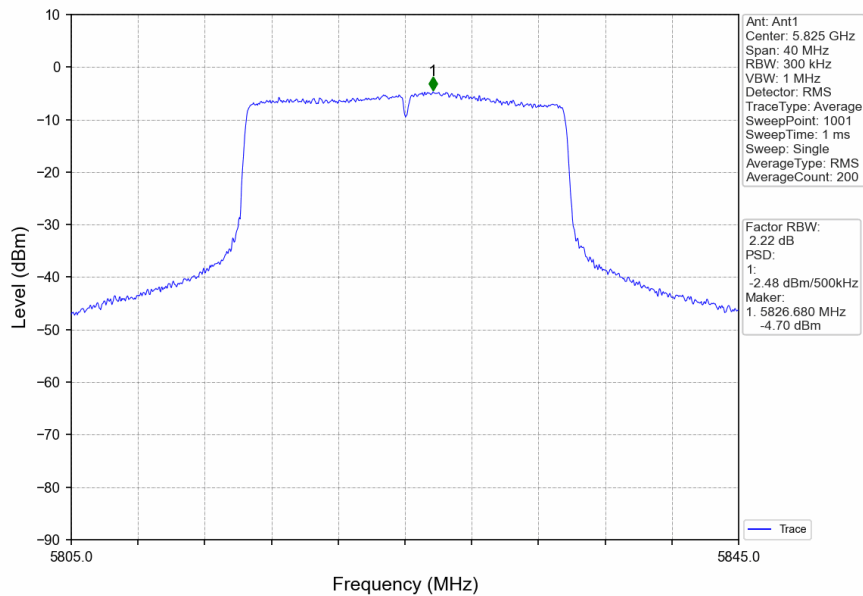
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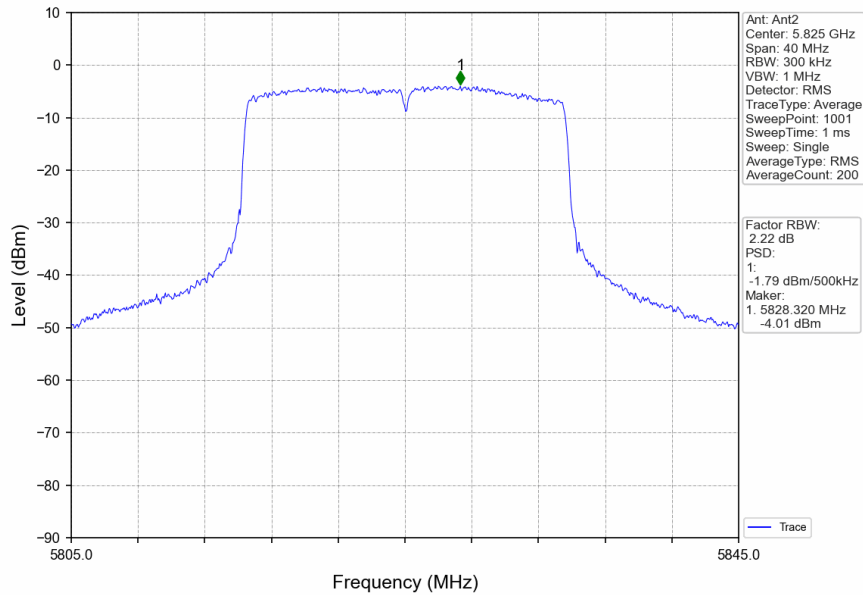
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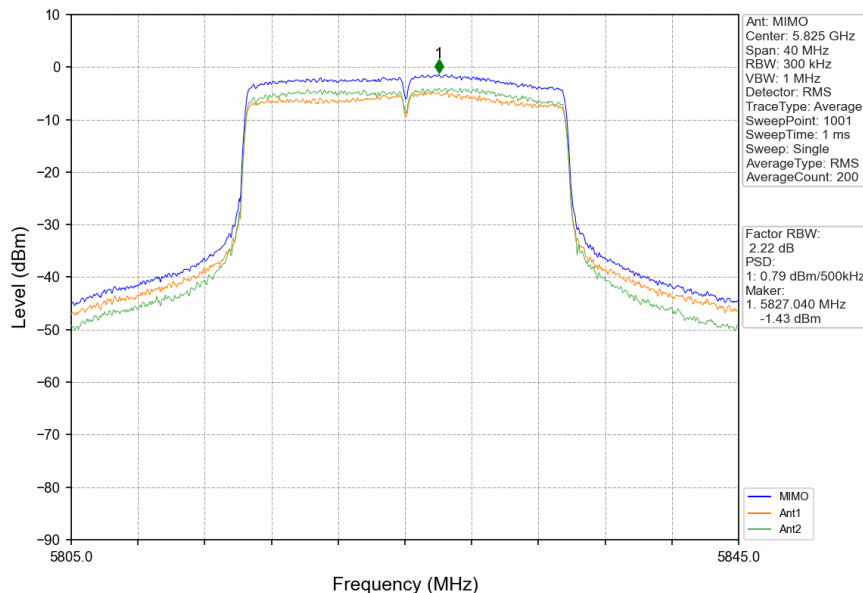
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



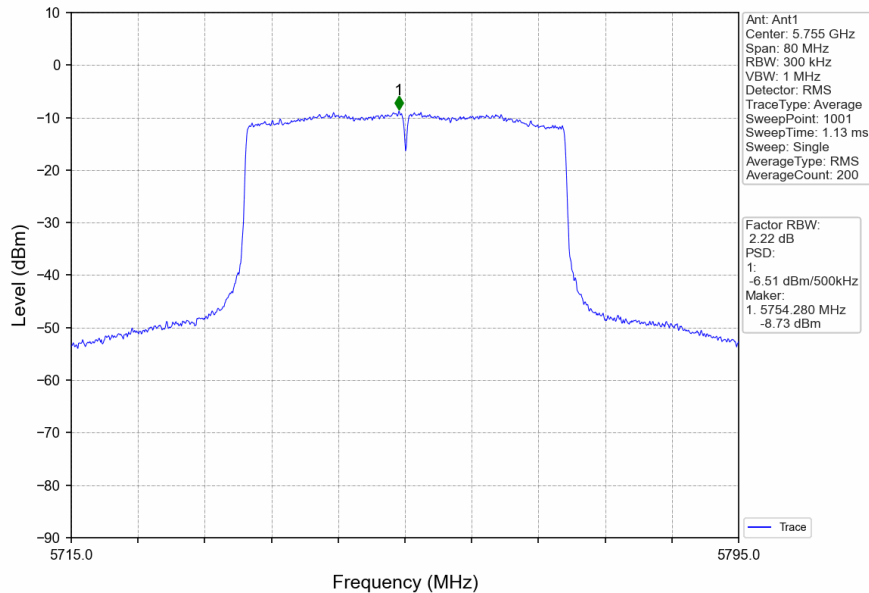
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant2_NTNV



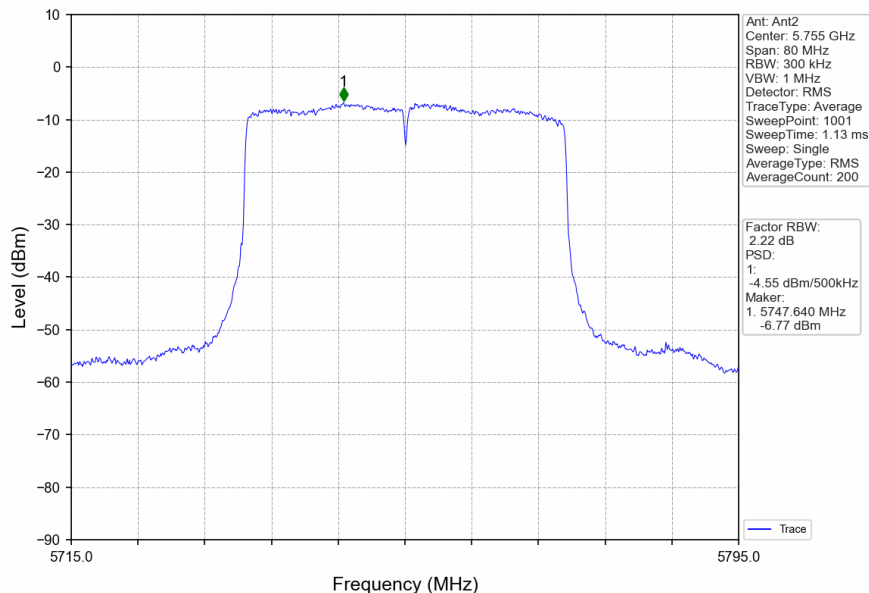
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_MIMO_NTNV



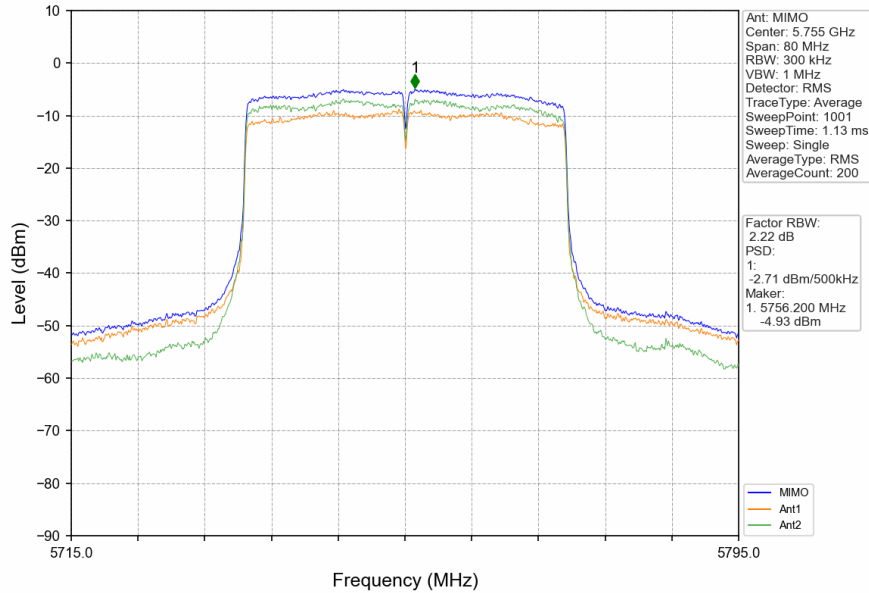
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



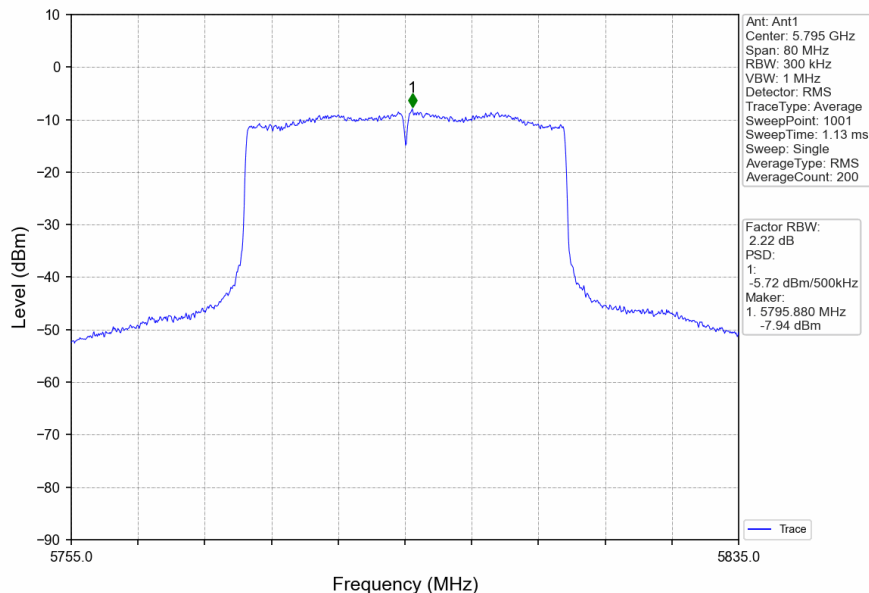
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant2_NTNV



802.11ax(HEW40)_LCH_5755MHz_RU484_Left_MIMO_NTNV



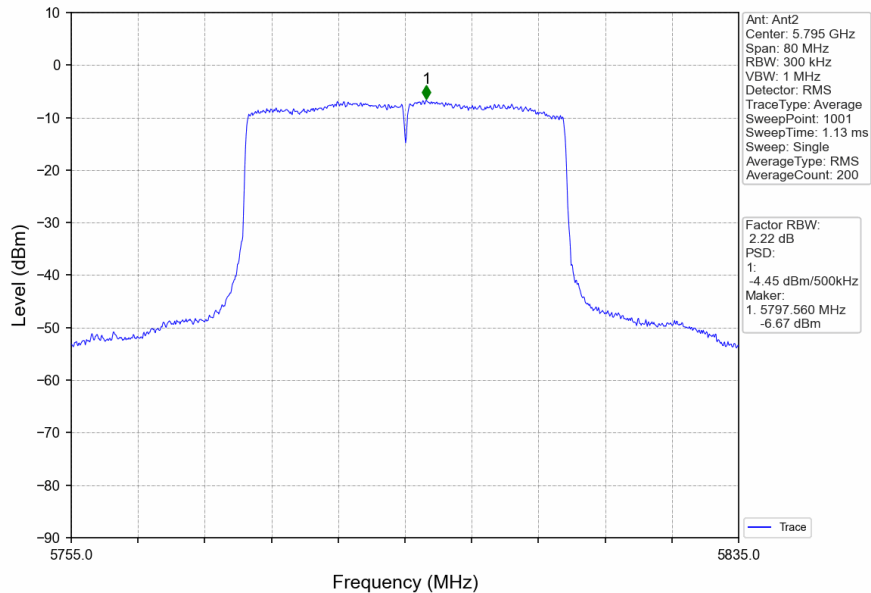
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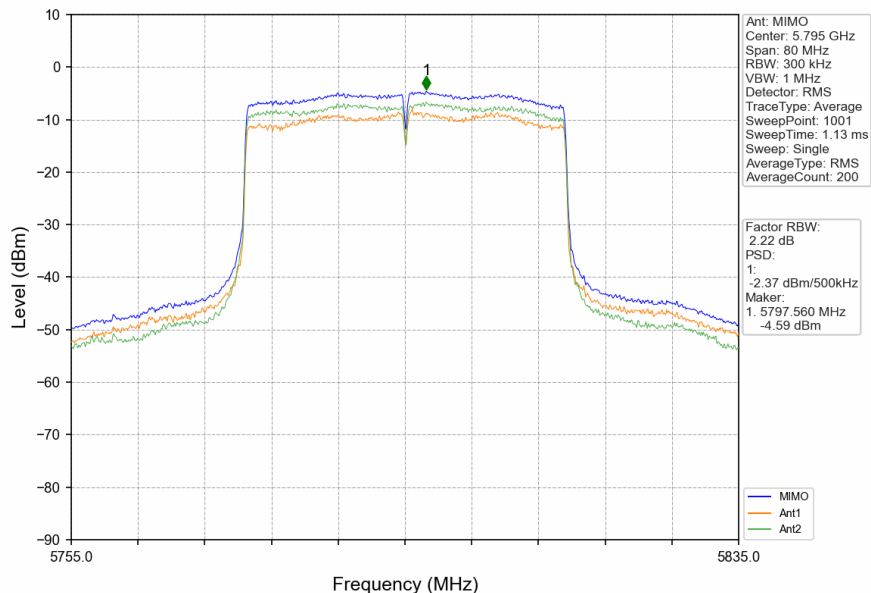
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802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant2_NTNV



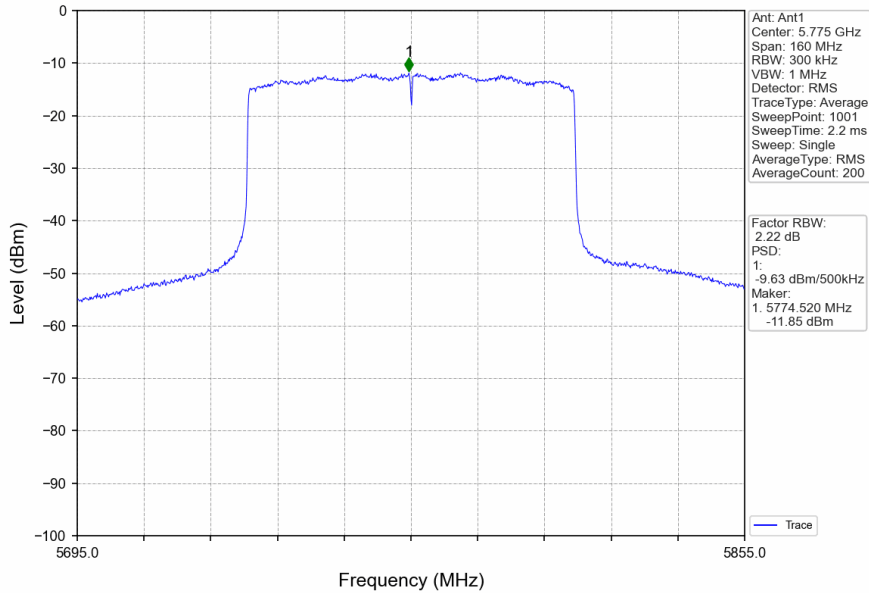
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_MIMO_NTNV



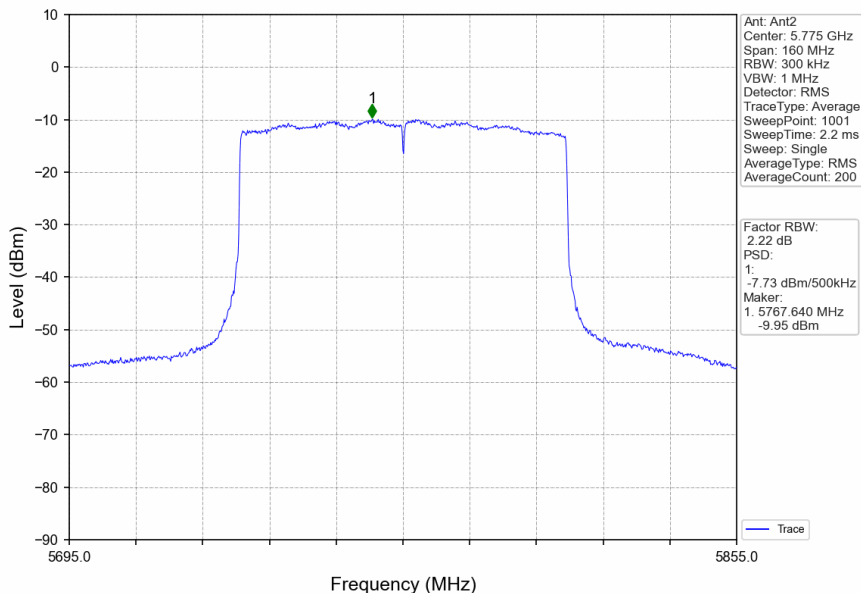
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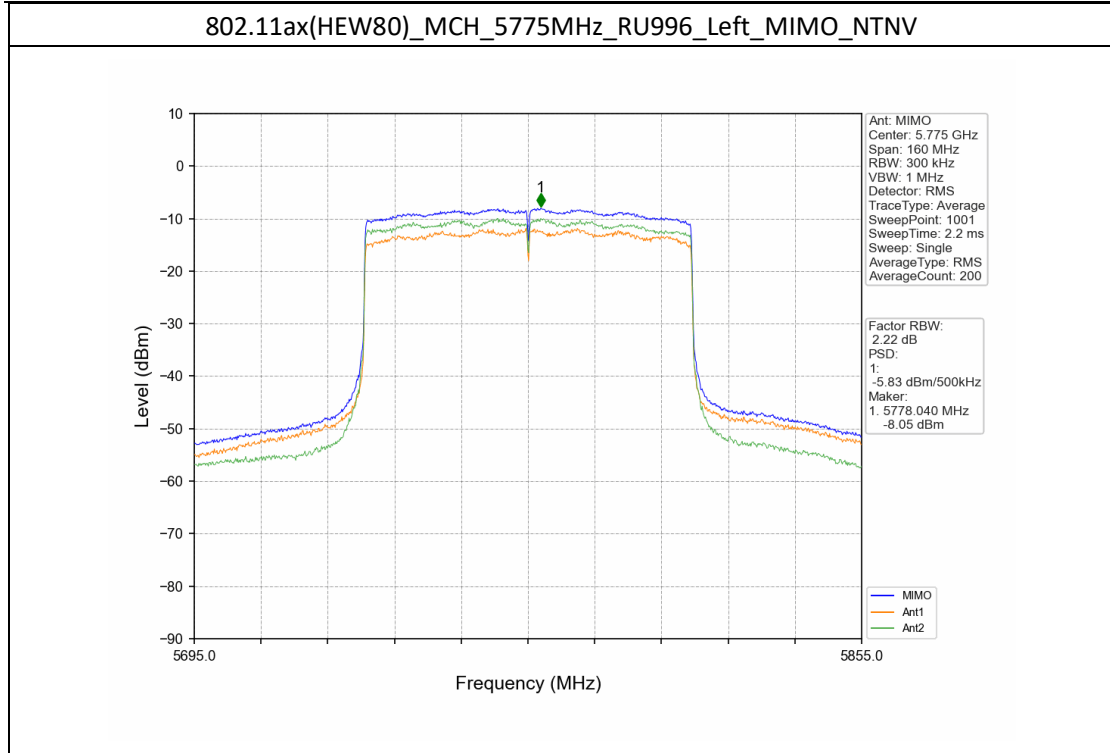
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802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant2_NTNV





Appendix F: Frequency Stability

Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit	Verdict
802.11a	SISO	5180	/	/	20	102	5180.020	5150 to 5250	Pass
						120	5180.060	5150 to 5250	Pass
						138	5180.060	5150 to 5250	Pass
					-30	120	5180.020	5150 to 5250	Pass
					-20	120	5180.040	5150 to 5250	Pass
					-10	120	5180.040	5150 to 5250	Pass
					0	120	5180.080	5150 to 5250	Pass
					10	120	5180.040	5150 to 5250	Pass
					30	120	5180.080	5150 to 5250	Pass
					40	120	5180.060	5150 to 5250	Pass
					50	120	5180.080	5150 to 5250	Pass
		5200	/	/	20	102	5200.040	5150 to 5250	Pass
						120	5200.080	5150 to 5250	Pass
						138	5200.060	5150 to 5250	Pass
					-30	120	5200.040	5150 to 5250	Pass
					-20	120	5200.060	5150 to 5250	Pass
					-10	120	5200.040	5150 to 5250	Pass
					0	120	5200.040	5150 to 5250	Pass
					10	120	5200.040	5150 to 5250	Pass
					30	120	5200.040	5150 to 5250	Pass
					40	120	5200.100	5150 to 5250	Pass
					50	120	5200.060	5150 to 5250	Pass
		5240	/	/	20	102	5240.060	5150 to 5250	Pass
						120	5240.040	5150 to 5250	Pass
						138	5240.060	5150 to 5250	Pass
					-30	120	5240.020	5150 to 5250	Pass
					-20	120	5240.060	5150 to 5250	Pass
					-10	120	5240.040	5150 to 5250	Pass
					0	120	5240.080	5150 to 5250	Pass
					10	120	5240.060	5150 to 5250	Pass



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					30	120	5240.080	5150 to 5250	Pass
					40	120	5240.080	5150 to 5250	Pass
					50	120	5240.040	5150 to 5250	Pass
					20	102	5260.100	5250 to 5350	Pass
						120	5260.080	5250 to 5350	Pass
						138	5260.040	5250 to 5350	Pass
					-30	120	5260.080	5250 to 5350	Pass
					-20	120	5260.080	5250 to 5350	Pass
					-10	120	5260.080	5250 to 5350	Pass
					0	120	5260.060	5250 to 5350	Pass
					10	120	5260.020	5250 to 5350	Pass
					30	120	5260.060	5250 to 5350	Pass
					40	120	5260.080	5250 to 5350	Pass
					50	120	5260.060	5250 to 5350	Pass
					20	102	5300.040	5250 to 5350	Pass
						120	5300.080	5250 to 5350	Pass
						138	5300.060	5250 to 5350	Pass
					-30	120	5300.060	5250 to 5350	Pass
					-20	120	5300.080	5250 to 5350	Pass
					-10	120	5300.060	5250 to 5350	Pass
					0	120	5300.100	5250 to 5350	Pass
					10	120	5300.040	5250 to 5350	Pass
					30	120	5300.080	5250 to 5350	Pass
					40	120	5300.020	5250 to 5350	Pass
					50	120	5300.060	5250 to 5350	Pass
					20	102	5320.020	5250 to 5350	Pass
						120	5320.060	5250 to 5350	Pass
						138	5320.080	5250 to 5350	Pass
					-30	120	5320.040	5250 to 5350	Pass
					-20	120	5320.020	5250 to 5350	Pass
					-10	120	5320.060	5250 to 5350	Pass
					0	120	5320.100	5250 to 5350	Pass
					10	120	5320.040	5250 to 5350	Pass
					30	120	5320.060	5250 to 5350	Pass
					40	120	5320.060	5250 to 5350	Pass
					50	120	5320.060	5250 to 5350	Pass



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		5500	/	/	20	102	5500.060	5470 to 5725	Pass
						120	5500.060	5470 to 5725	Pass
						138	5500.040	5470 to 5725	Pass
					-30	120	5500.020	5470 to 5725	Pass
					-20	120	5500.100	5470 to 5725	Pass
					-10	120	5500.100	5470 to 5725	Pass
					0	120	5500.040	5470 to 5725	Pass
					10	120	5500.040	5470 to 5725	Pass
					30	120	5500.080	5470 to 5725	Pass
					40	120	5500.060	5470 to 5725	Pass
					50	120	5500.080	5470 to 5725	Pass
		5580	/	/	20	102	5580.020	5470 to 5725	Pass
						120	5580.060	5470 to 5725	Pass
						138	5580.040	5470 to 5725	Pass
					-30	120	5580.020	5470 to 5725	Pass
					-20	120	5580.080	5470 to 5725	Pass
					-10	120	5580.060	5470 to 5725	Pass
					0	120	5580.080	5470 to 5725	Pass
					10	120	5580.080	5470 to 5725	Pass
					30	120	5580.040	5470 to 5725	Pass
					40	120	5580.040	5470 to 5725	Pass
					50	120	5580.040	5470 to 5725	Pass
		5700	/	/	20	102	5700.040	5470 to 5725	Pass
						120	5700.020	5470 to 5725	Pass
						138	5700.020	5470 to 5725	Pass
					-30	120	5700.040	5470 to 5725	Pass
					-20	120	5700.040	5470 to 5725	Pass
					-10	120	5700.020	5470 to 5725	Pass
					0	120	5700.040	5470 to 5725	Pass
					10	120	5700.040	5470 to 5725	Pass
					30	120	5700.000	5470 to 5725	Pass
					40	120	5700.100	5470 to 5725	Pass
					50	120	5700.060	5470 to 5725	Pass
		5745	/	/	20	102	5745.060	5725 to 5850	Pass
						120	5745.040	5725 to 5850	Pass
						138	5745.060	5725 to 5850	Pass



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					-30	120	5745.060	5725 to 5850	Pass
					-20	120	5745.060	5725 to 5850	Pass
					-10	120	5745.060	5725 to 5850	Pass
					0	120	5745.060	5725 to 5850	Pass
					10	120	5745.040	5725 to 5850	Pass
					30	120	5745.000	5725 to 5850	Pass
					40	120	5745.000	5725 to 5850	Pass
					50	120	5745.060	5725 to 5850	Pass
		5785	/	/	20	102	5785.060	5725 to 5850	Pass
						120	5785.100	5725 to 5850	Pass
						138	5785.080	5725 to 5850	Pass
					-30	120	5785.020	5725 to 5850	Pass
					-20	120	5785.060	5725 to 5850	Pass
					-10	120	5785.100	5725 to 5850	Pass
					0	120	5785.100	5725 to 5850	Pass
					10	120	5785.080	5725 to 5850	Pass
					30	120	5785.060	5725 to 5850	Pass
					40	120	5785.060	5725 to 5850	Pass
					50	120	5785.080	5725 to 5850	Pass
		5825	/	/	20	102	5825.060	5725 to 5850	Pass
						120	5825.140	5725 to 5850	Pass
						138	5825.020	5725 to 5850	Pass
					-30	120	5825.040	5725 to 5850	Pass
					-20	120	5825.080	5725 to 5850	Pass
					-10	120	5825.100	5725 to 5850	Pass
					0	120	5825.080	5725 to 5850	Pass
					10	120	5825.060	5725 to 5850	Pass
					30	120	5825.060	5725 to 5850	Pass
					40	120	5825.040	5725 to 5850	Pass
					50	120	5825.120	5725 to 5850	Pass

Note: All modes, modulations and channels have been tested, only recorded the worst test result.



Appendix G: Duty Cycle

Test Result

Ant1										
ENV	Mode	Tx Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	802.11a	SISO	5180	/	/	1.98	1.99	99.15	0.04	0.00
			5200	/	/	1.98	1.99	99.10	0.04	0.00
			5240	/	/	1.98	1.99	99.15	0.04	0.00
			5260	/	/	1.98	1.99	99.15	0.04	0.00
			5300	/	/	1.97	1.99	99.05	0.04	0.00
			5320	/	/	1.98	1.99	99.05	0.04	0.03
			5500	/	/	1.98	1.99	99.15	0.04	0.00
			5580	/	/	1.98	1.99	99.10	0.04	0.00
			5700	/	/	1.98	1.99	99.15	0.04	0.00
			5745	/	/	1.97	1.99	99.05	0.04	0.03
			5785	/	/	1.98	1.99	99.10	0.04	0.03
			5825	/	/	1.98	1.99	99.10	0.04	0.00
	802.11n (HT20)	MIMO	5180	/	/	5.43	5.45	99.67	0.01	0.03
			5200	/	/	5.42	5.45	99.60	0.02	0.04
			5240	/	/	5.42	5.45	99.60	0.02	0.04
			5260	/	/	5.42	5.45	99.60	0.02	0.04
			5300	/	/	5.43	5.45	99.65	0.02	0.03
			5320	/	/	5.42	5.45	99.60	0.02	0.04
			5500	/	/	5.43	5.45	99.65	0.02	0.03
			5580	/	/	5.42	5.45	99.60	0.02	0.04
			5700	/	/	5.42	5.45	99.60	0.02	0.04
			5745	/	/	5.43	5.45	99.67	0.01	0.03
			5785	/	/	5.43	5.45	99.65	0.02	0.03
			5825	/	/	5.42	5.45	99.60	0.02	0.04
	802.11n (HT40)	MIMO	5190	/	/	5.42	5.45	99.60	0.02	0.04
			5230	/	/	5.42	5.45	99.49	0.02	0.14
			5270	/	/	5.43	5.44	99.67	0.01	0.04
			5310	/	/	5.43	5.44	99.67	0.01	0.04
			5510	/	/	5.43	5.44	99.67	0.01	0.04



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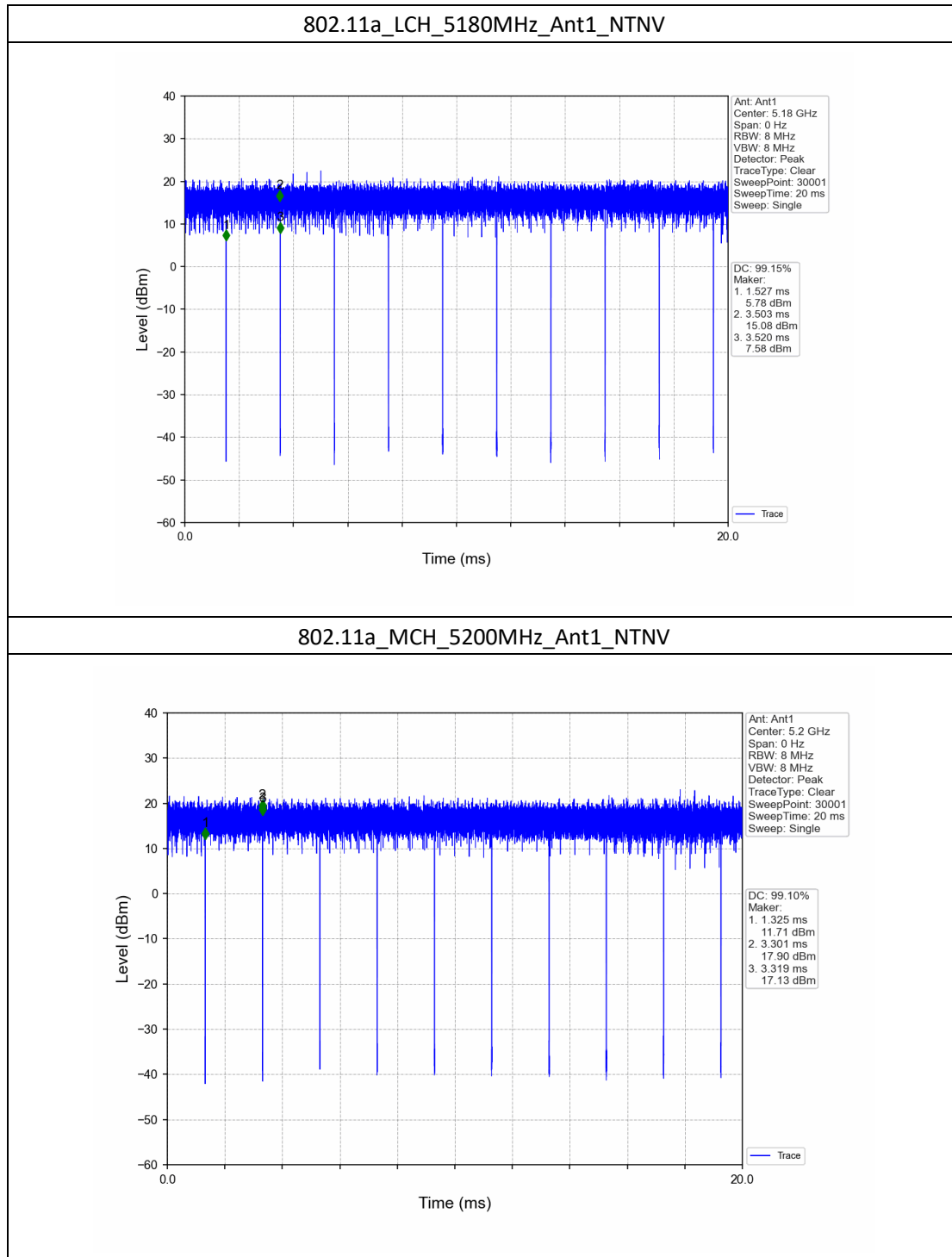
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			5670	/	/	5.43	5.44	99.67	0.01	0.04
			5755	/	/	5.42	5.45	99.52	0.02	0.11
			5795	/	/	5.42	5.45	99.60	0.02	0.04
	802.11ac (VHT20)	MIMO	5180	/	/	5.43	5.44	99.67	0.01	0.00
			5200	/	/	5.43	5.45	99.67	0.01	0.03
			5240	/	/	5.42	5.45	99.60	0.02	0.04
			5260	/	/	5.43	5.45	99.65	0.02	0.03
			5300	/	/	5.43	5.45	99.65	0.02	0.03
			5320	/	/	5.43	5.45	99.65	0.02	0.03
			5500	/	/	5.42	5.45	99.60	0.02	0.04
			5580	/	/	5.43	5.45	99.67	0.01	0.04
			5700	/	/	5.42	5.45	99.60	0.02	0.04
			5745	/	/	5.43	5.45	99.67	0.01	0.04
			5785	/	/	5.43	5.45	99.67	0.01	0.04
			5825	/	/	5.43	5.45	99.67	0.01	0.04
	802.11ac (VHT40)	MIMO	5190	/	/	5.39	5.44	99.04	0.04	0.04
			5230	/	/	5.42	5.45	99.52	0.02	0.10
			5270	/	/	5.43	5.45	99.67	0.01	0.04
			5310	/	/	5.42	5.45	99.52	0.02	0.11
			5510	/	/	5.42	5.45	99.49	0.02	0.07
			5550	/	/	5.42	5.44	99.52	0.02	0.03
			5670	/	/	5.43	5.45	99.67	0.01	0.04
			5755	/	/	5.42	5.45	99.60	0.02	0.04
			5795	/	/	5.43	5.45	99.65	0.02	0.03
	802.11ac (VHT80)	MIMO	5210	/	/	5.43	5.44	99.71	0.01	0.00
			5290	/	/	5.43	5.44	99.67	0.01	0.04
			5530	/	/	5.43	5.44	99.71	0.01	0.03
			5610	/	/	5.43	5.44	99.67	0.01	0.04
			5775	/	/	5.43	5.44	99.67	0.01	0.04
	802.11ax (HEW20)	MIMO	5180	RU242	Left	5.44	5.46	99.67	0.01	0.00
			5200	RU242	Left	5.44	5.46	99.60	0.02	0.00
			5240	RU242	Left	5.44	5.46	99.67	0.01	0.00
			5260	RU242	Left	5.44	5.46	99.67	0.01	0.00
			5300	RU242	Left	5.44	5.46	99.67	0.01	0.00
			5320	RU242	Left	5.44	5.46	99.67	0.01	0.04



			5500	RU242	Left	5.44	5.46	99.67	0.01	0.04
			5580	RU242	Left	5.44	5.46	99.60	0.02	0.04
			5700	RU242	Left	5.44	5.46	99.67	0.01	0.00
			5745	RU242	Left	5.44	5.46	99.67	0.01	0.03
			5785	RU242	Left	5.44	5.46	99.67	0.01	0.04
			5825	RU242	Left	5.44	5.46	99.67	0.01	0.00
	802.11ax (HEW40)	MIMO	5190	RU484	Left	5.44	5.46	99.67	0.01	0.04
			5230	RU484	Left	5.44	5.46	99.67	0.01	0.04
			5270	RU484	Left	5.44	5.46	99.60	0.02	0.04
			5310	RU484	Left	5.44	5.46	99.56	0.02	0.07
			5510	RU484	Left	5.44	5.46	99.56	0.02	0.07
			5550	RU484	Left	5.44	5.46	99.67	0.01	0.04
			5670	RU484	Left	5.44	5.46	99.52	0.02	0.07
			5755	RU484	Left	5.44	5.46	99.67	0.01	0.04
			5795	RU484	Left	5.44	5.46	99.65	0.02	0.03
	802.11ax (HEW80)	MIMO	5210	RU996	Left	5.44	5.46	99.60	0.02	0.04
			5290	RU996	Left	5.44	5.46	99.60	0.02	0.04
			5530	RU996	Left	5.44	5.46	99.62	0.02	0.00
			5610	RU996	Left	5.44	5.46	99.60	0.02	0.04
			5775	RU996	Left	5.45	5.46	99.69	0.01	0.03



Test Graphs



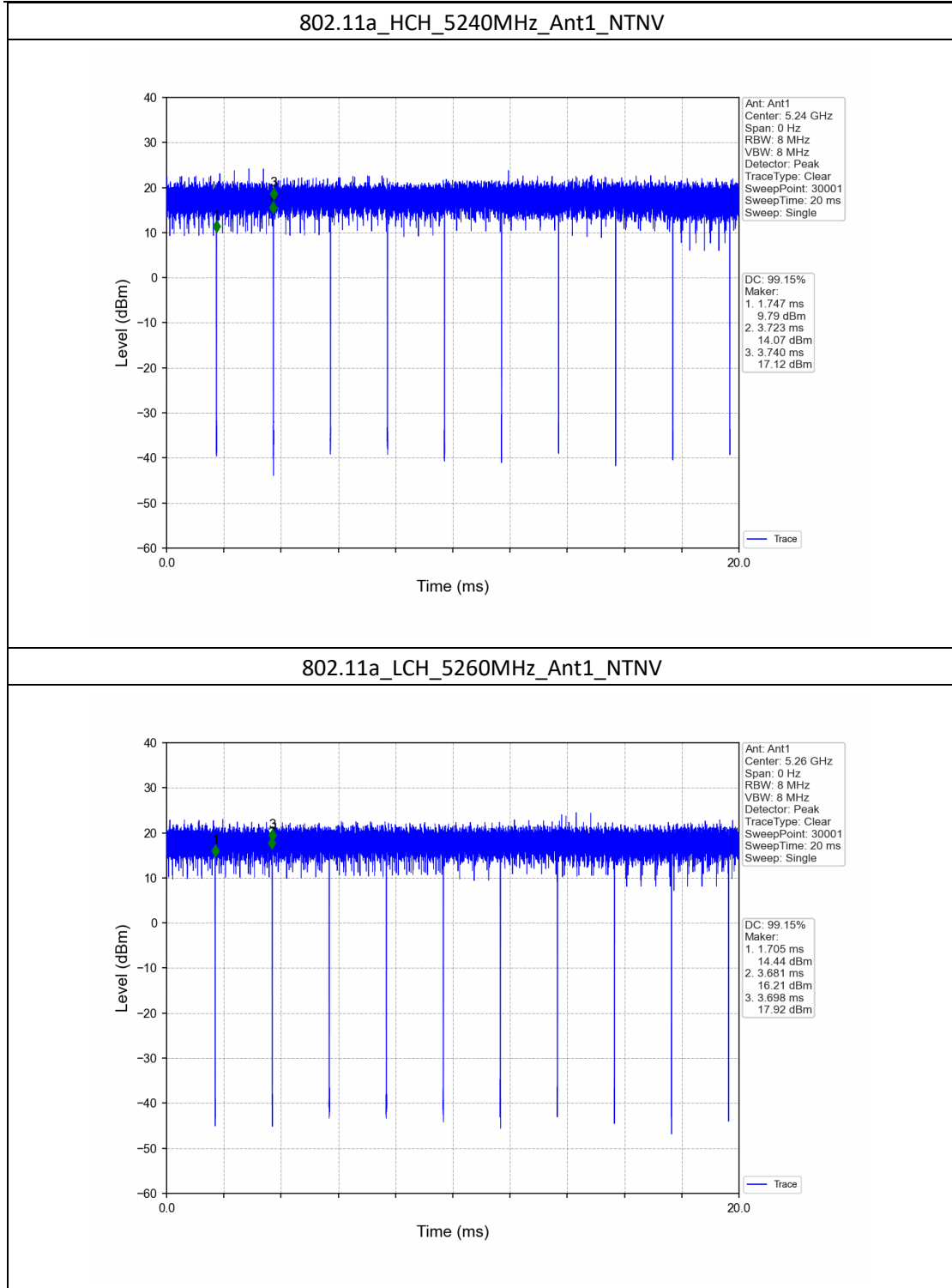
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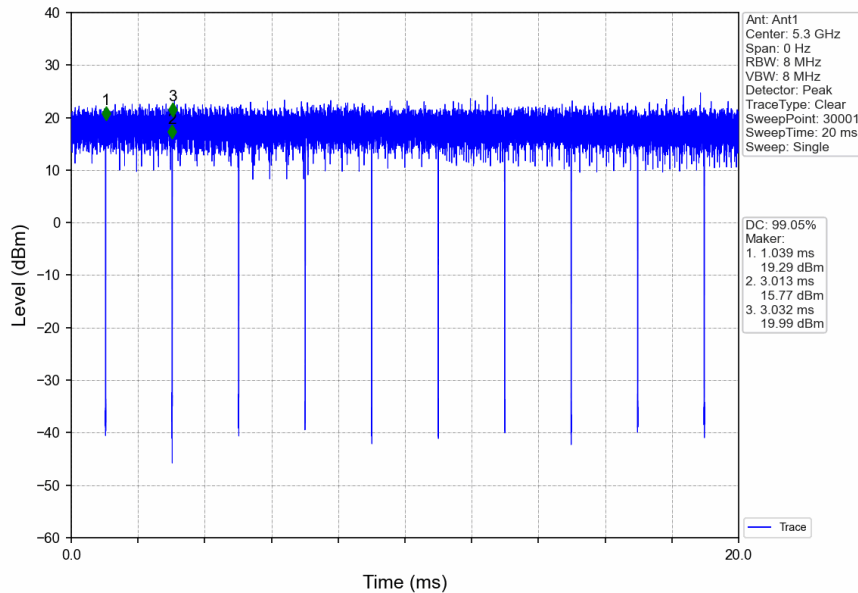
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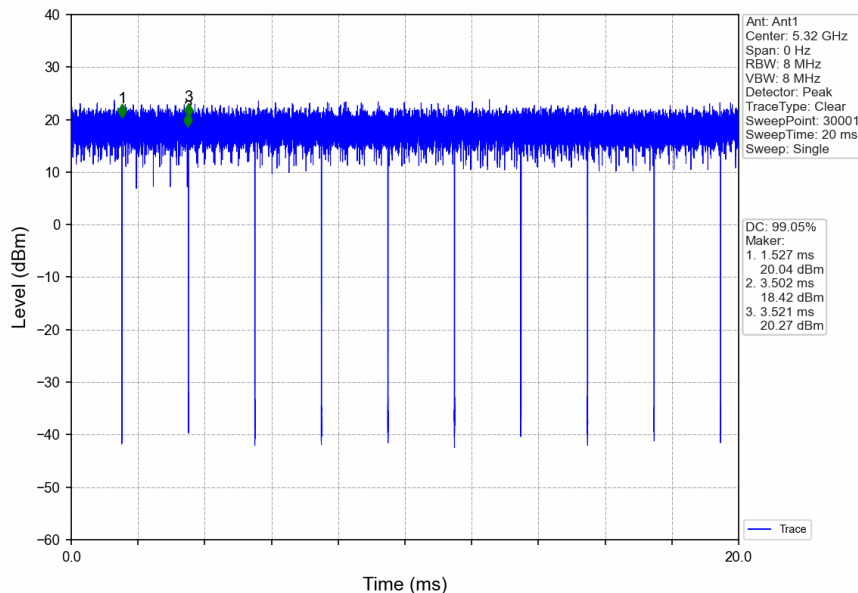
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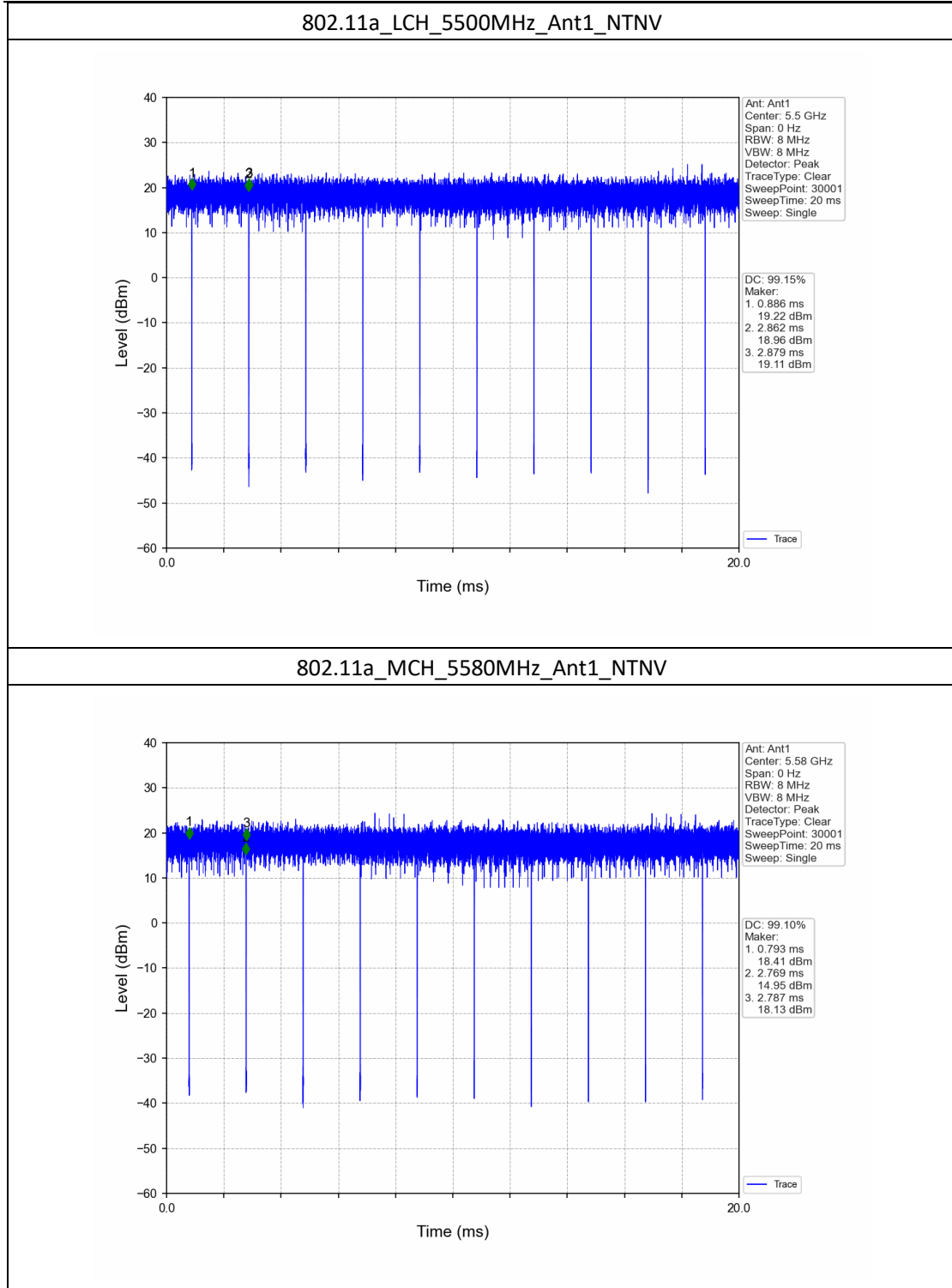


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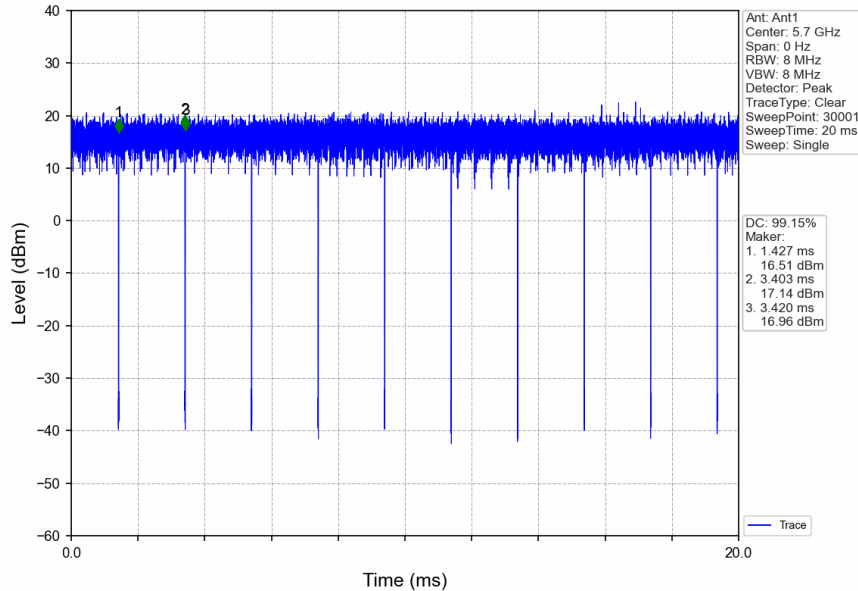


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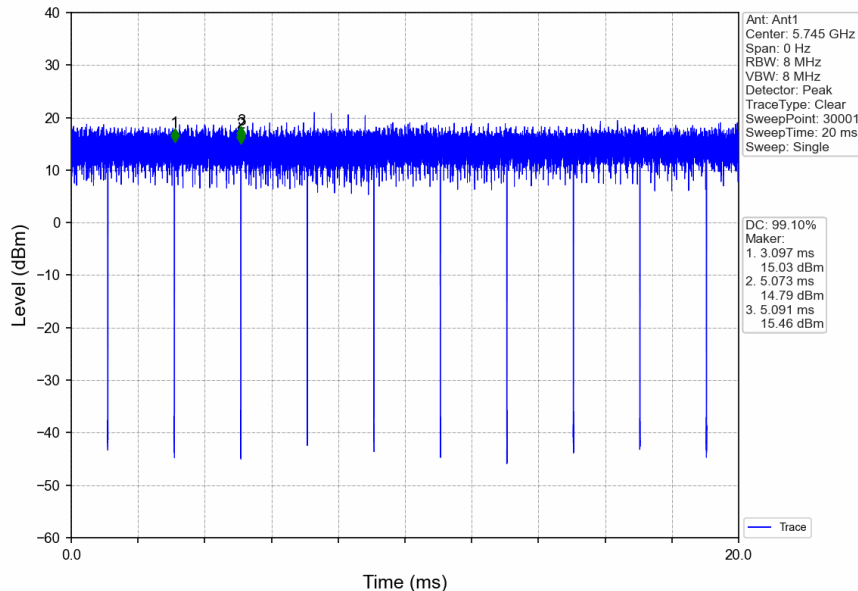




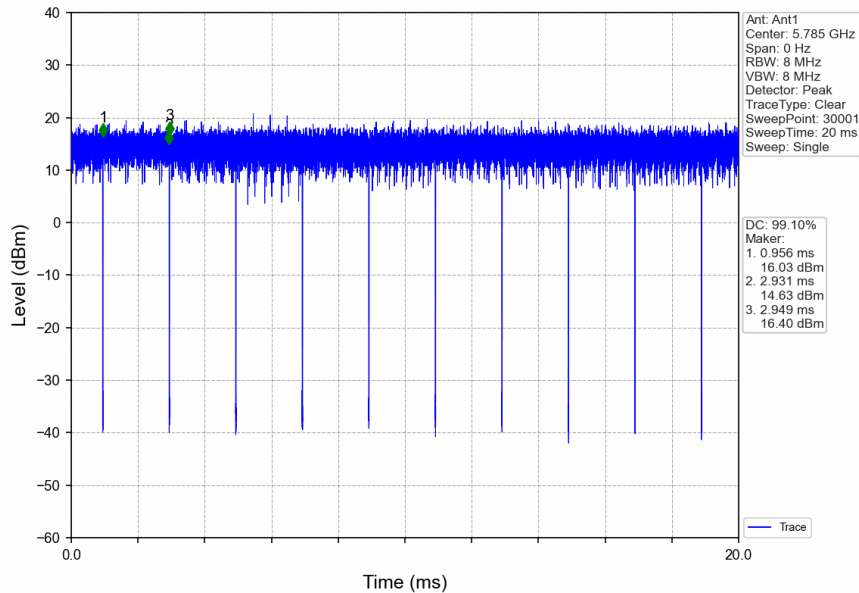
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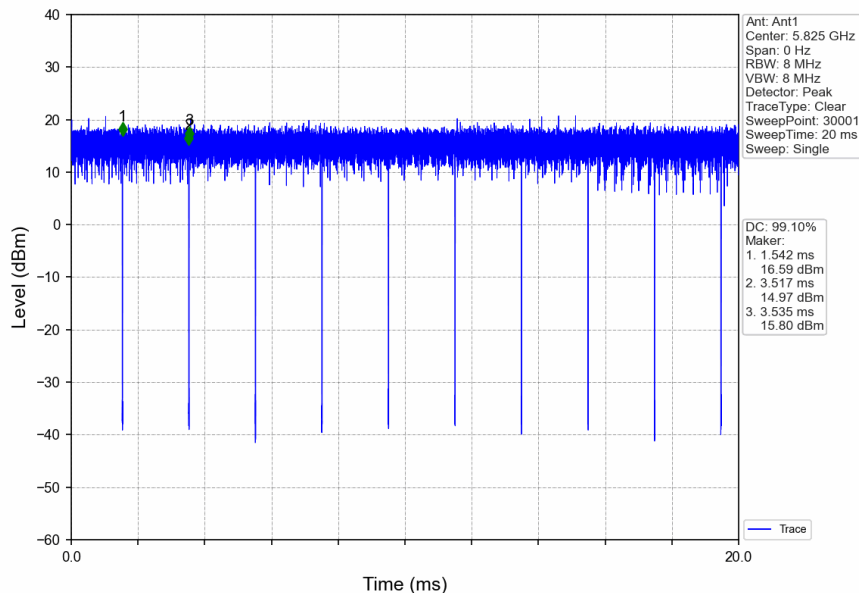
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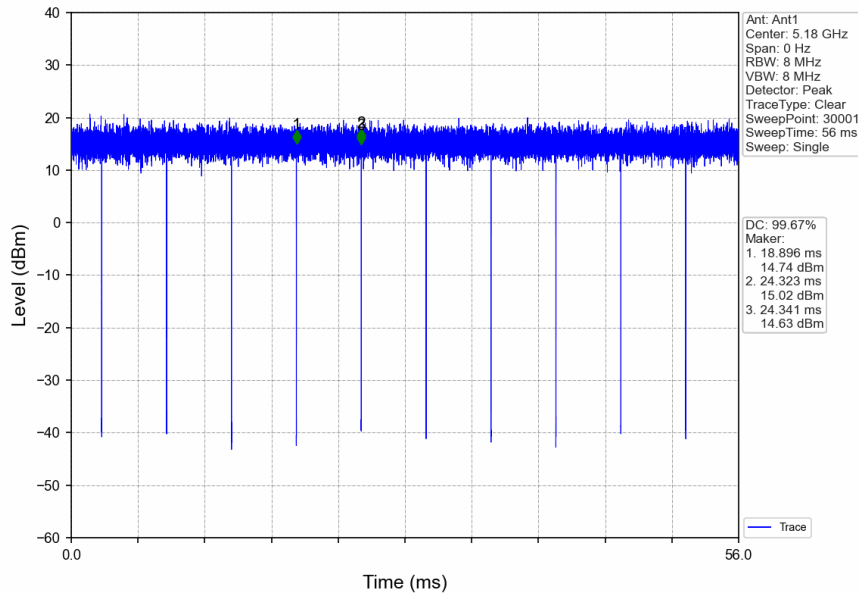
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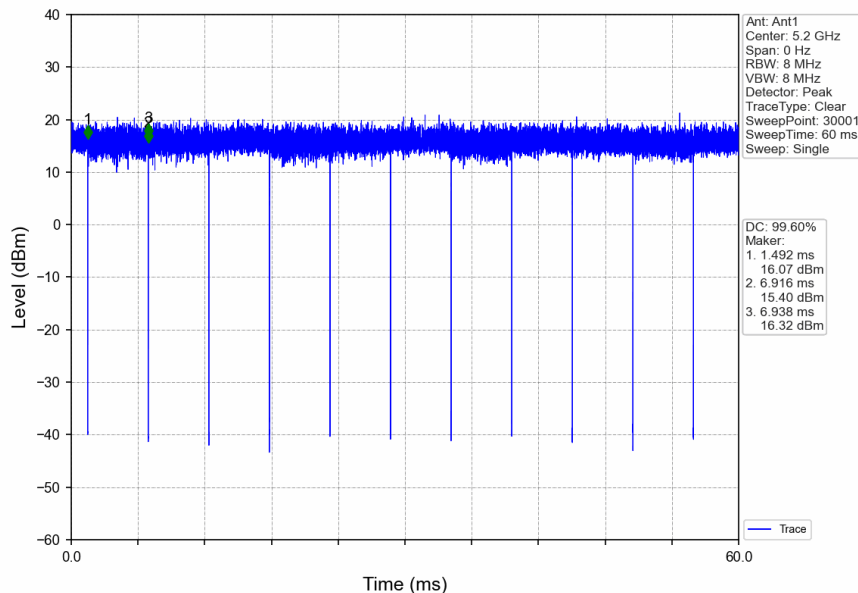
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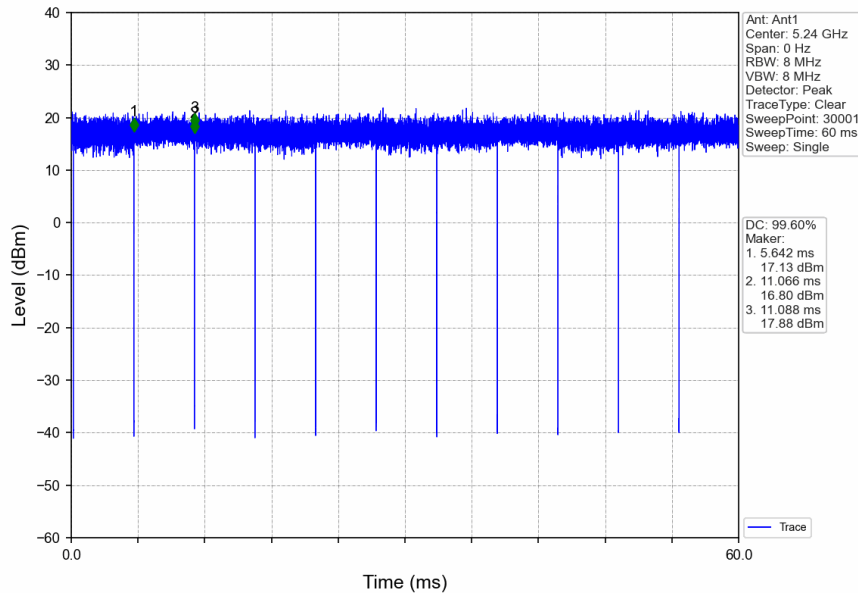
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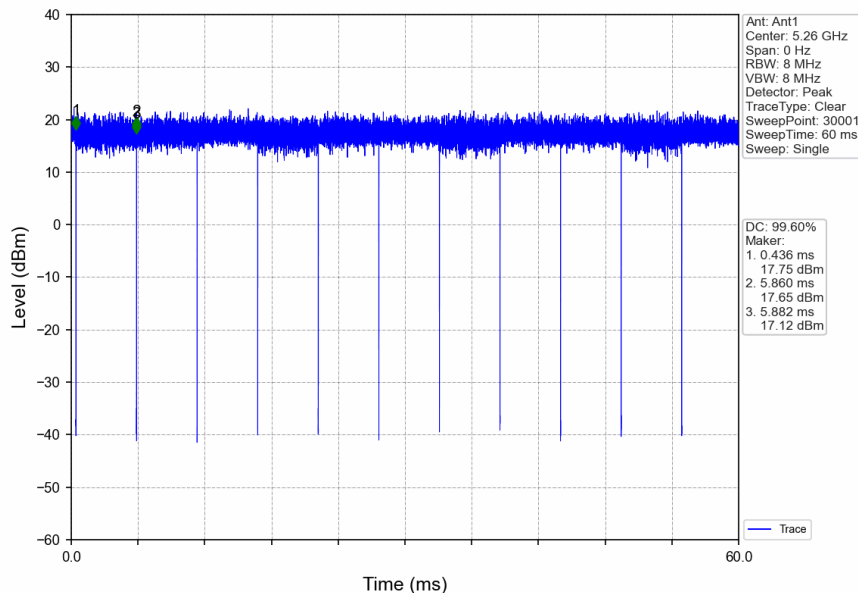
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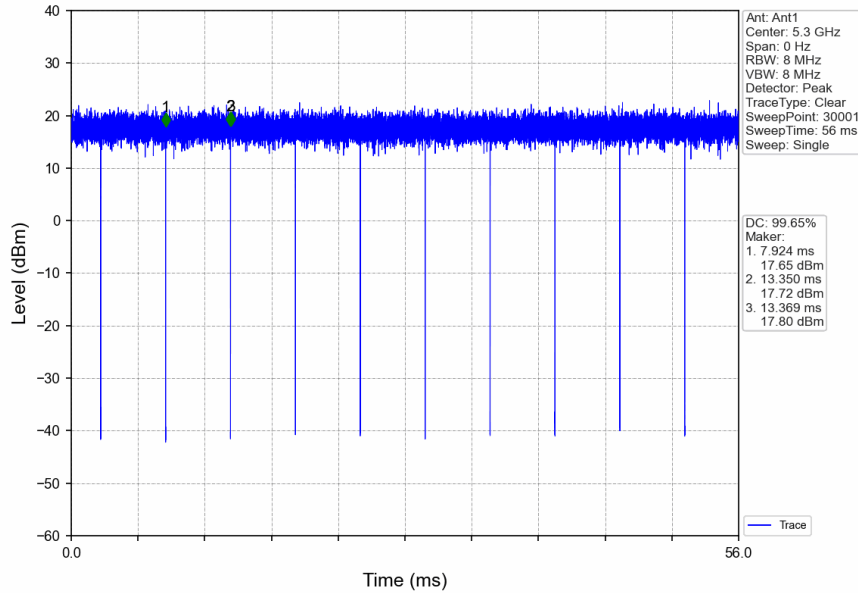
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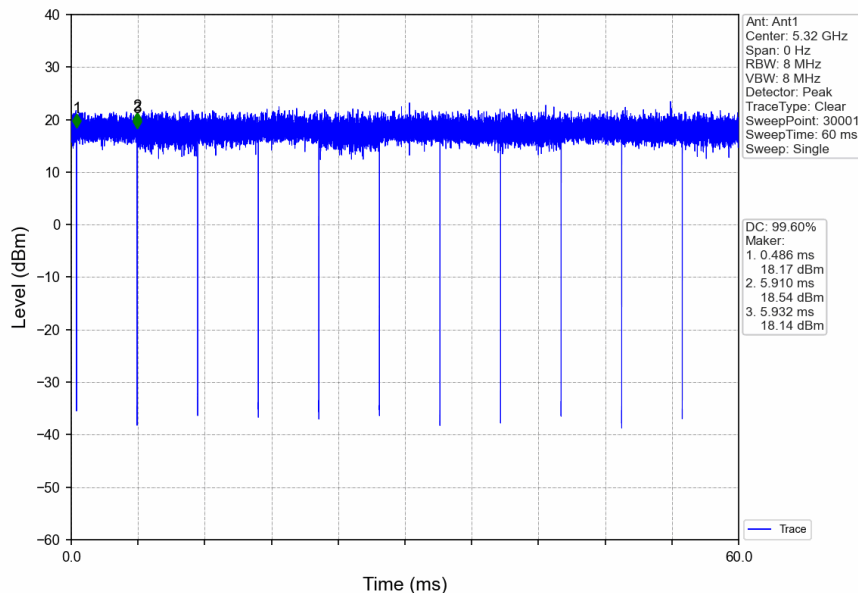
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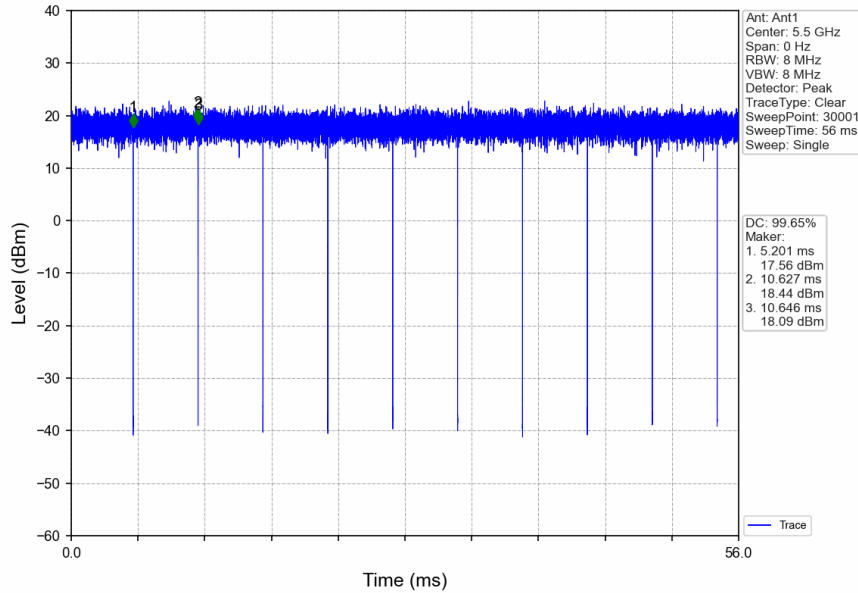
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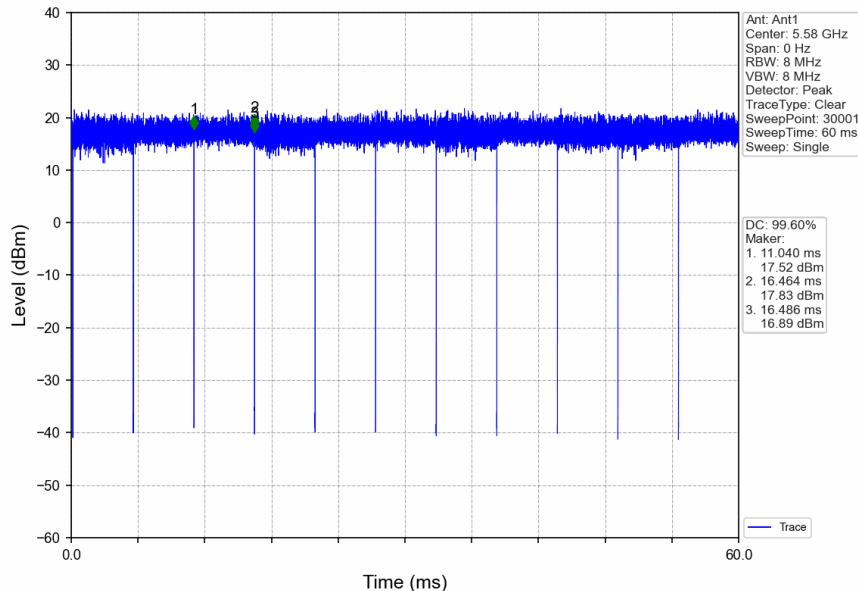
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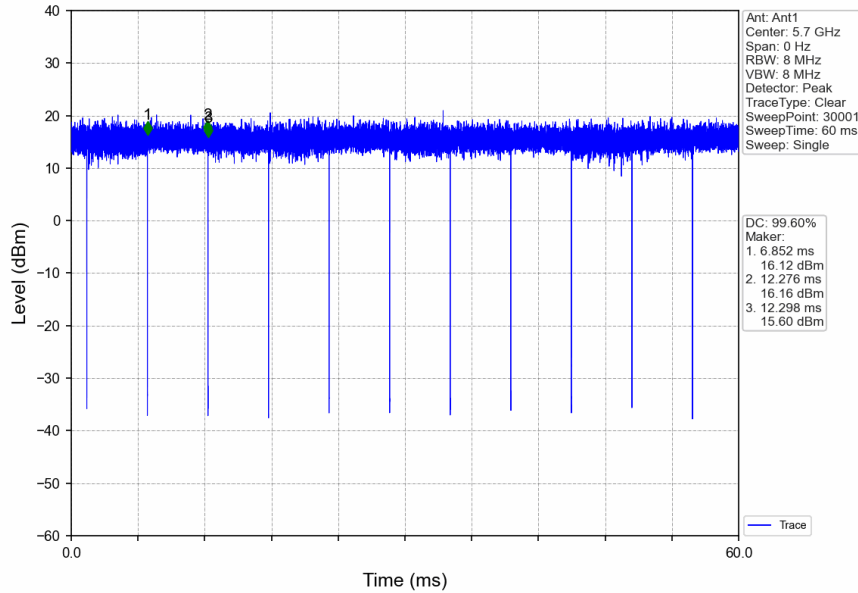
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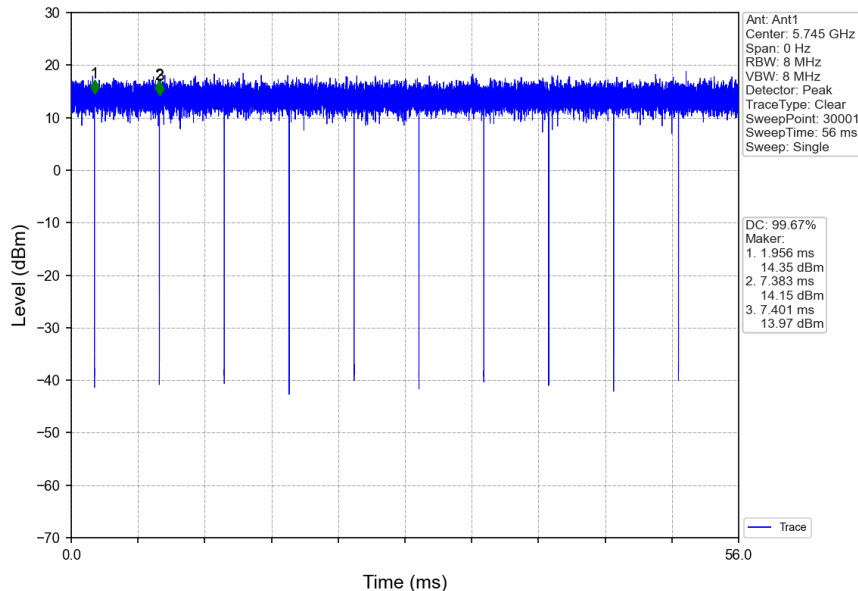
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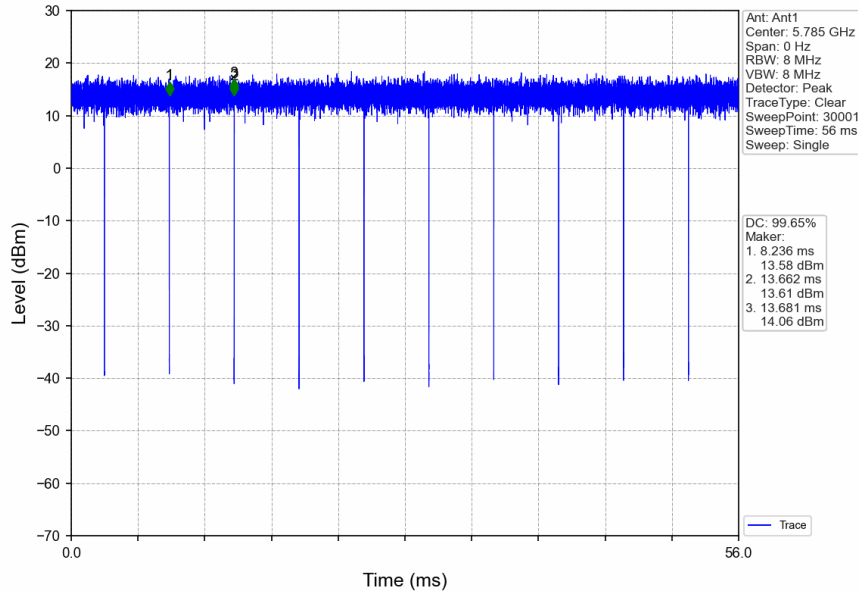
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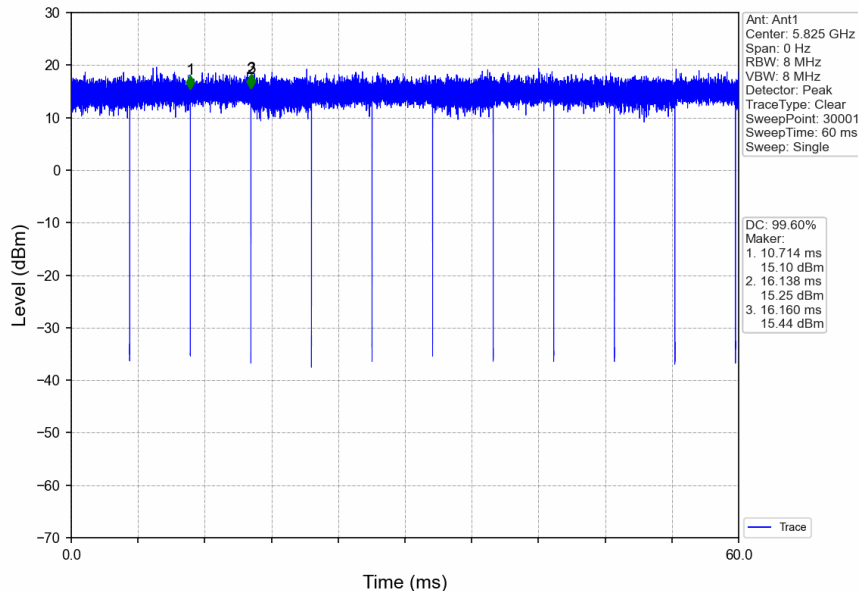
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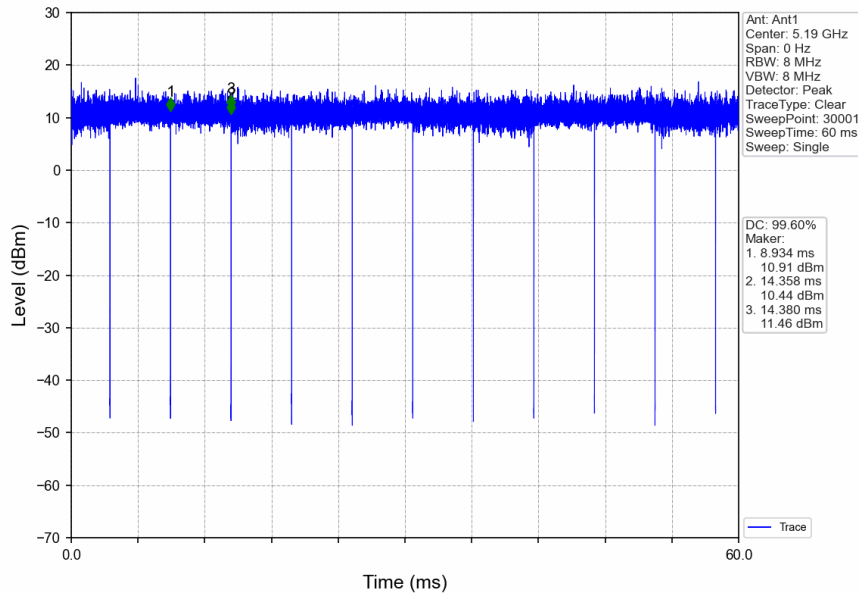
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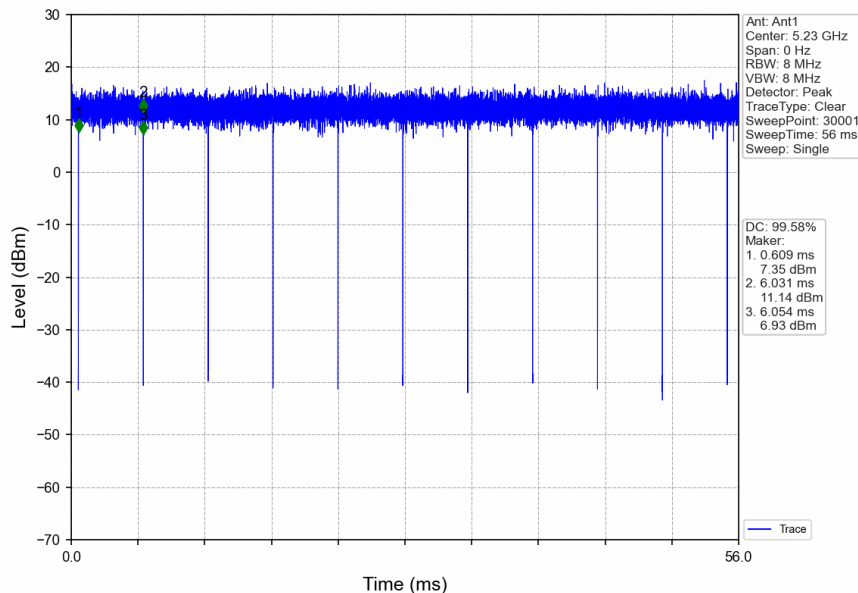
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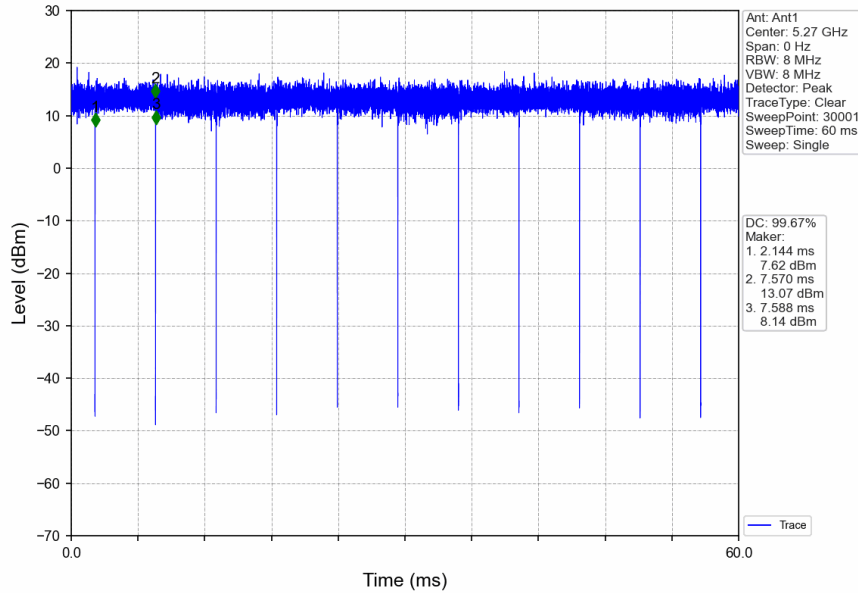
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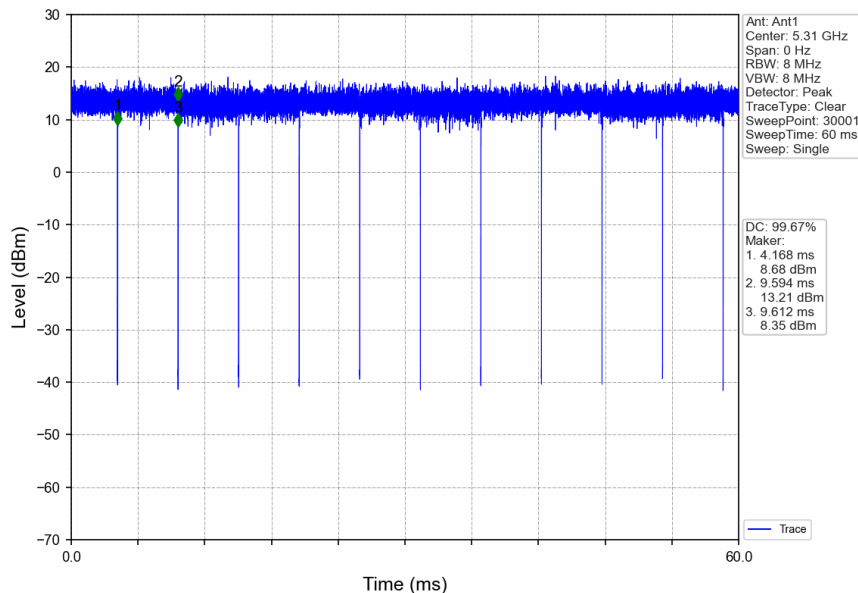
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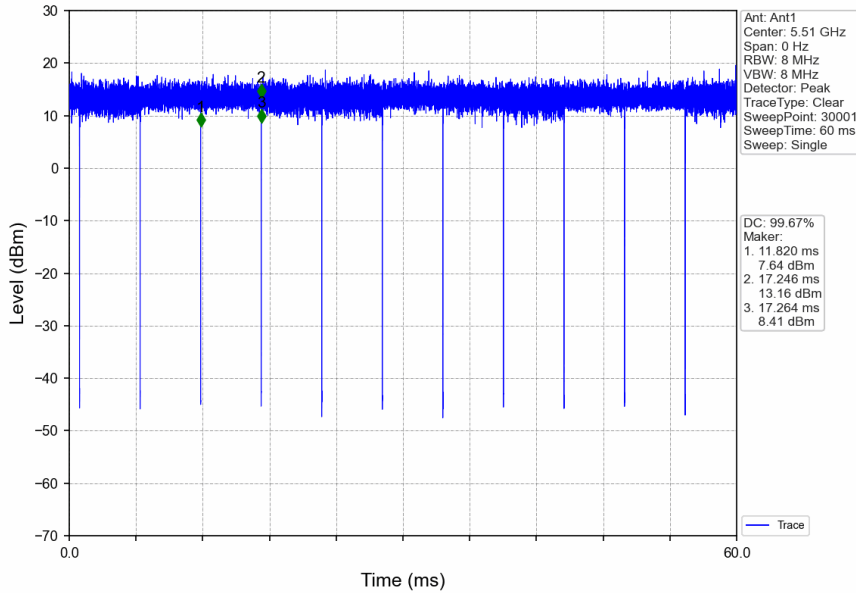
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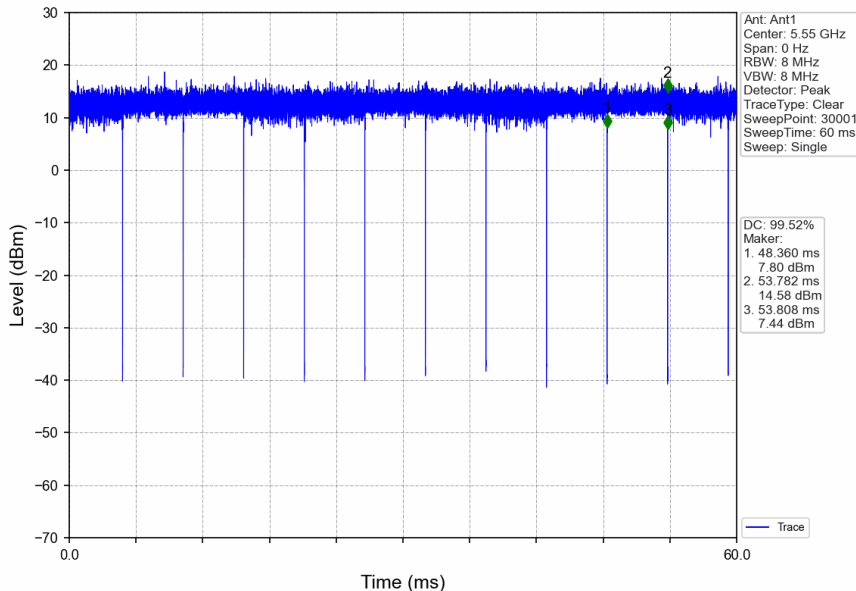
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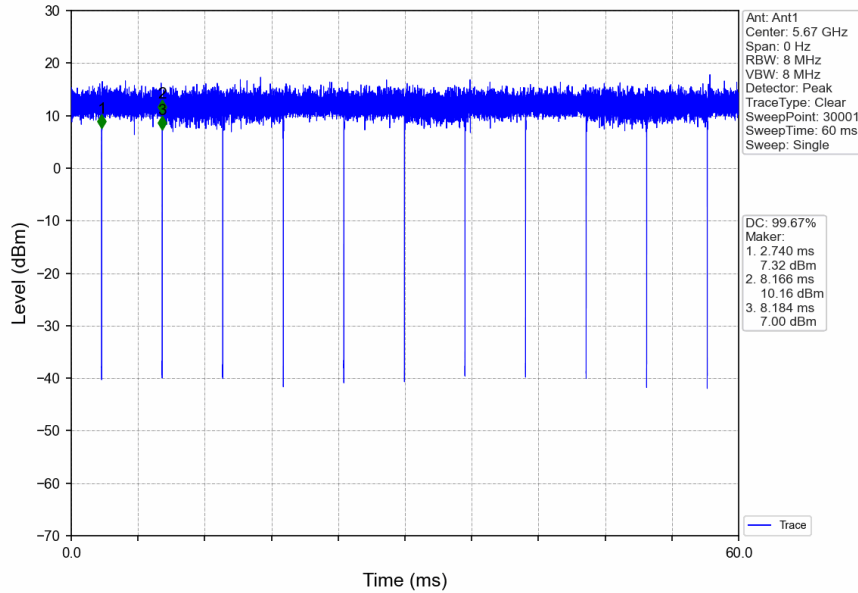
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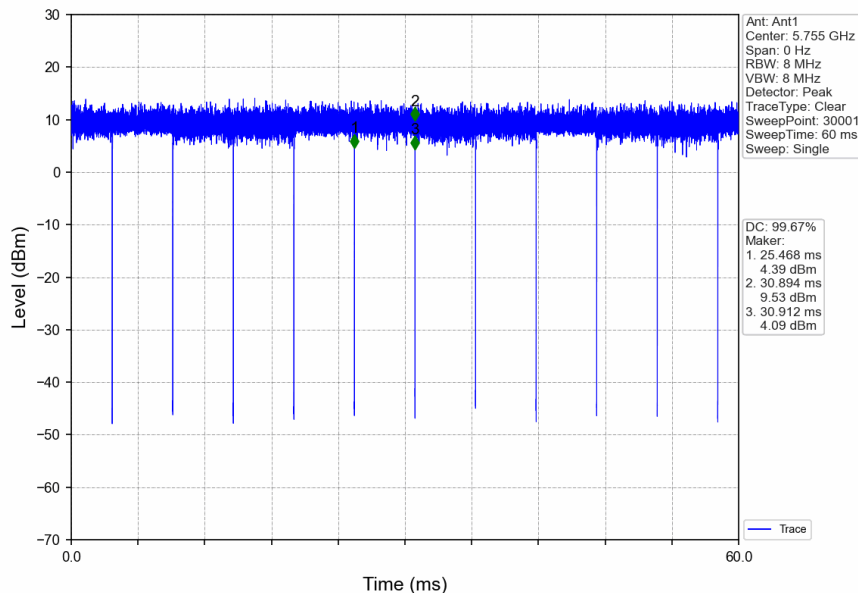
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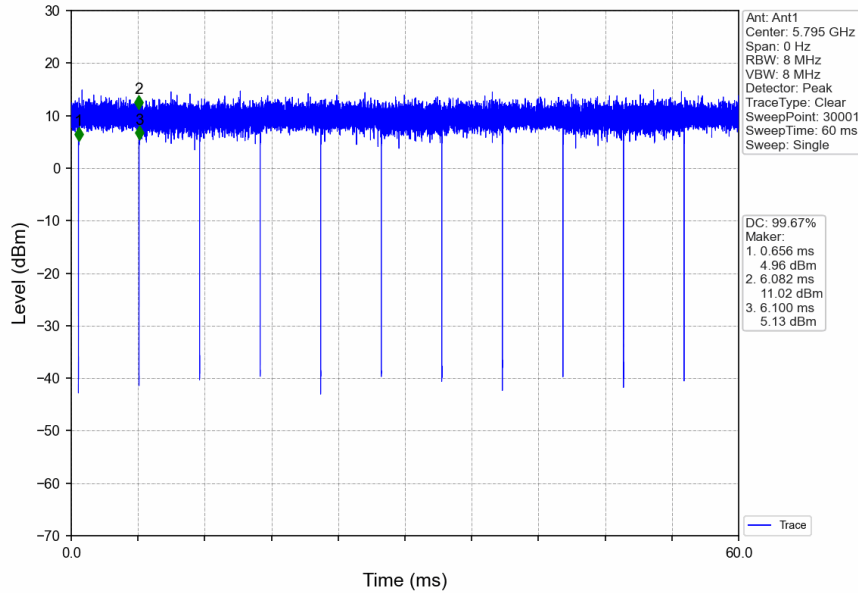
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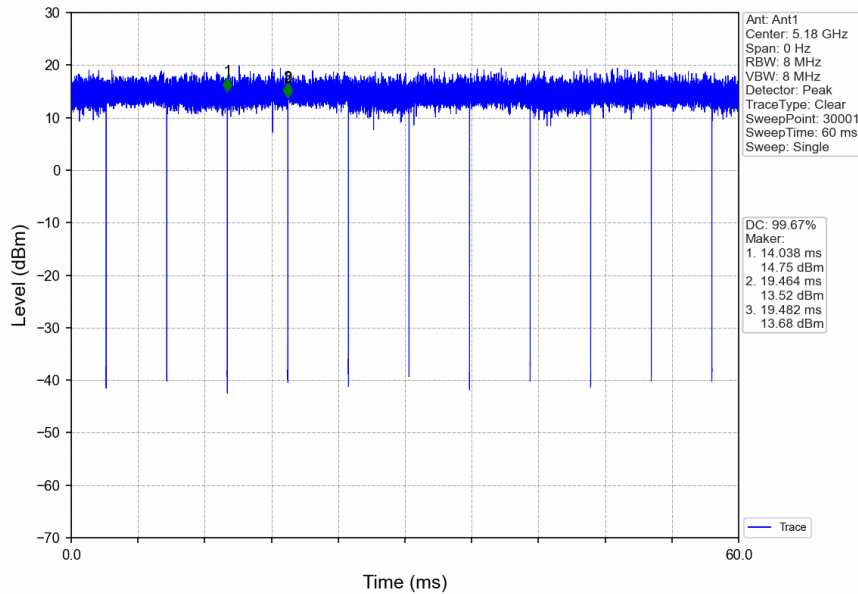
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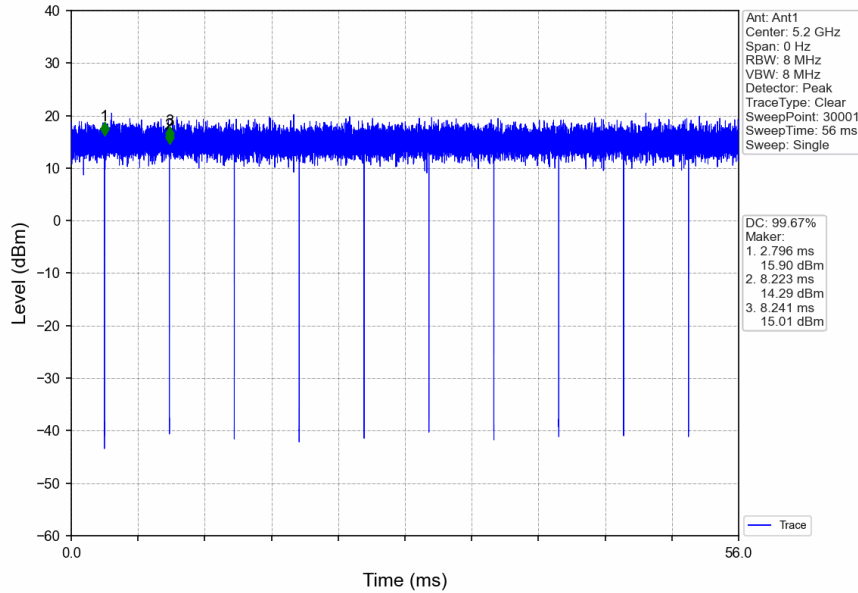
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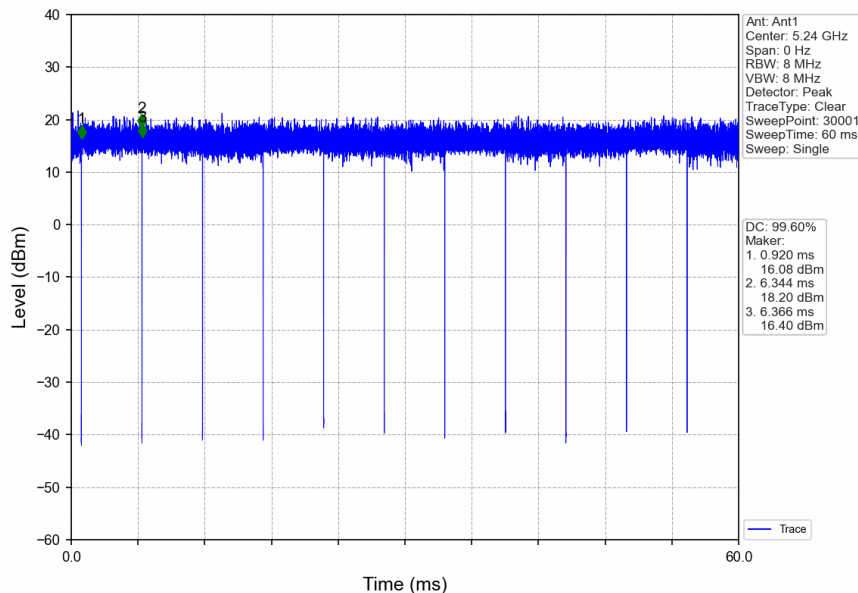
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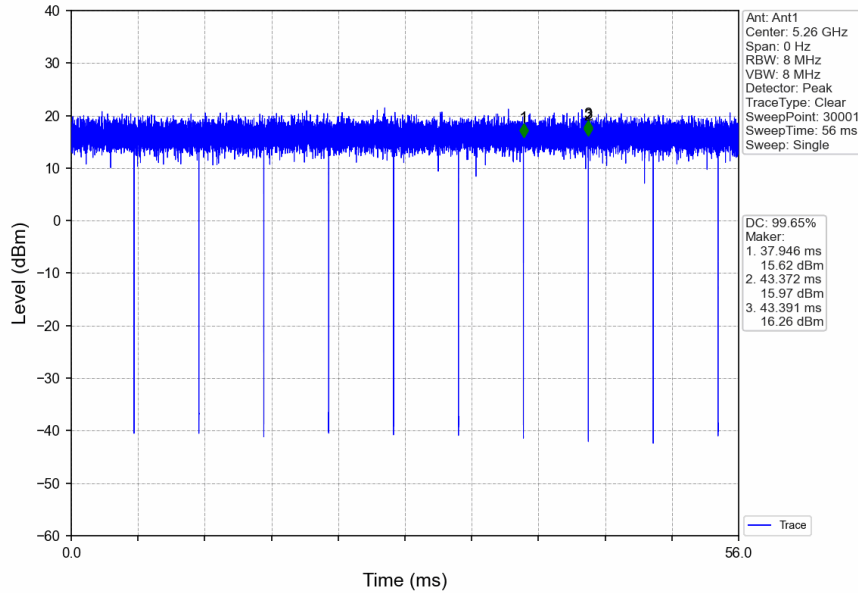
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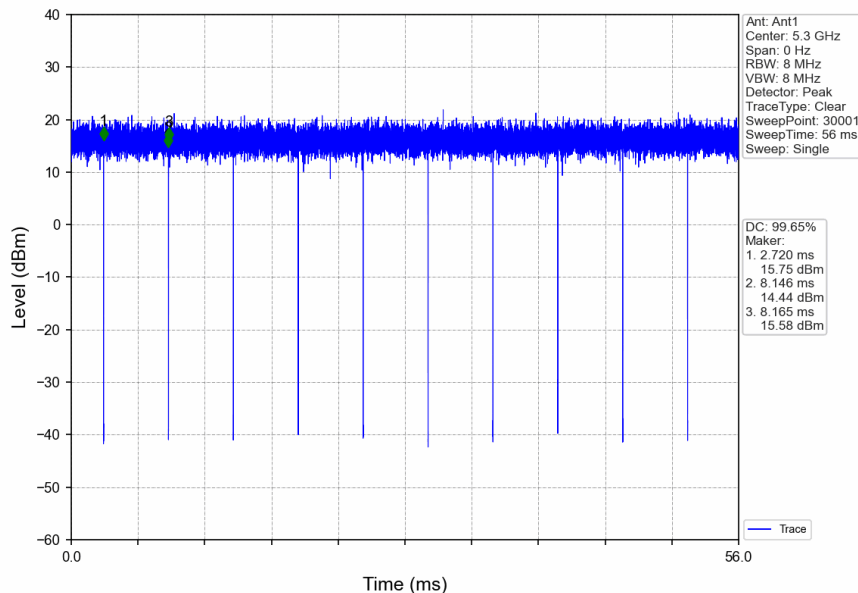
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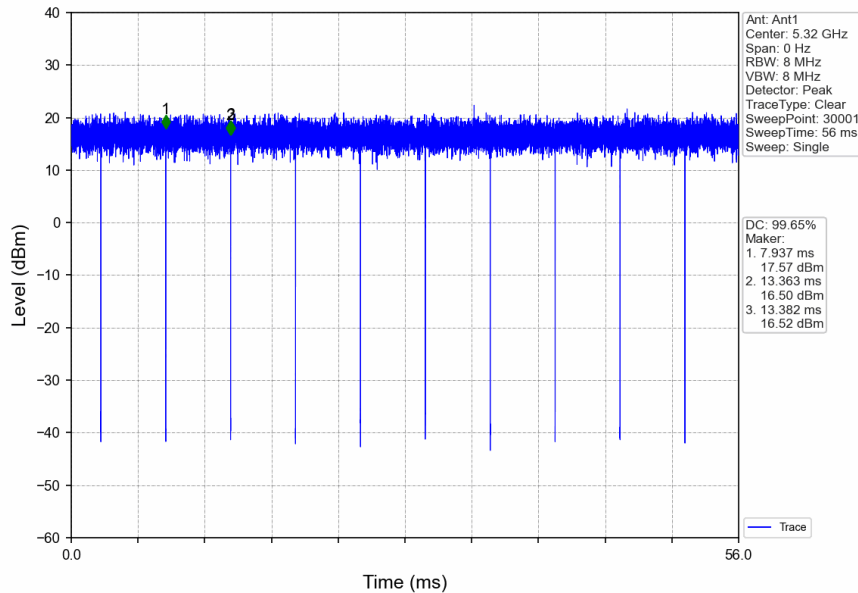
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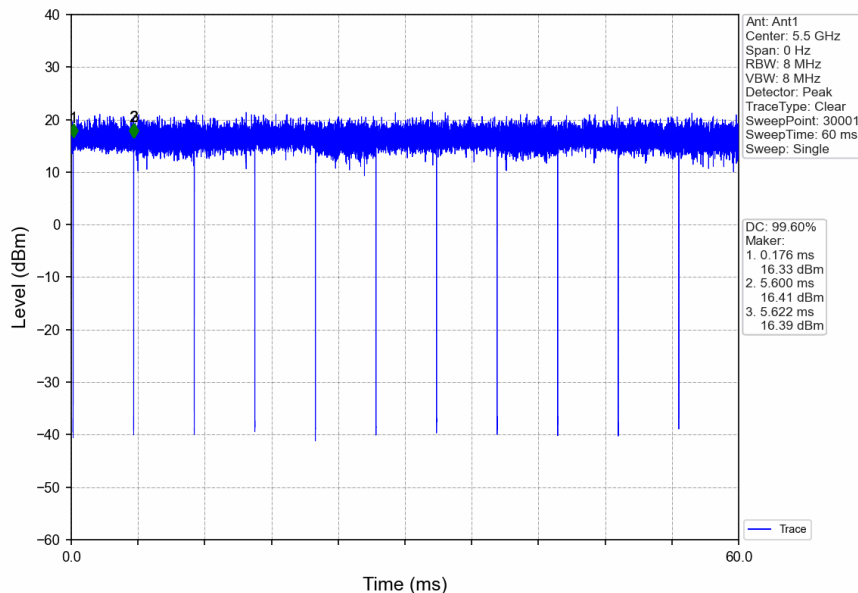
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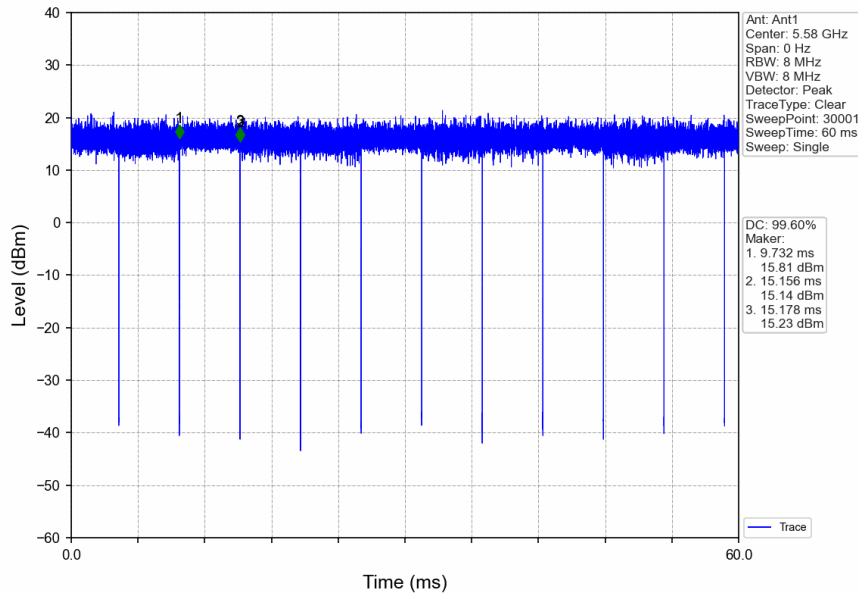
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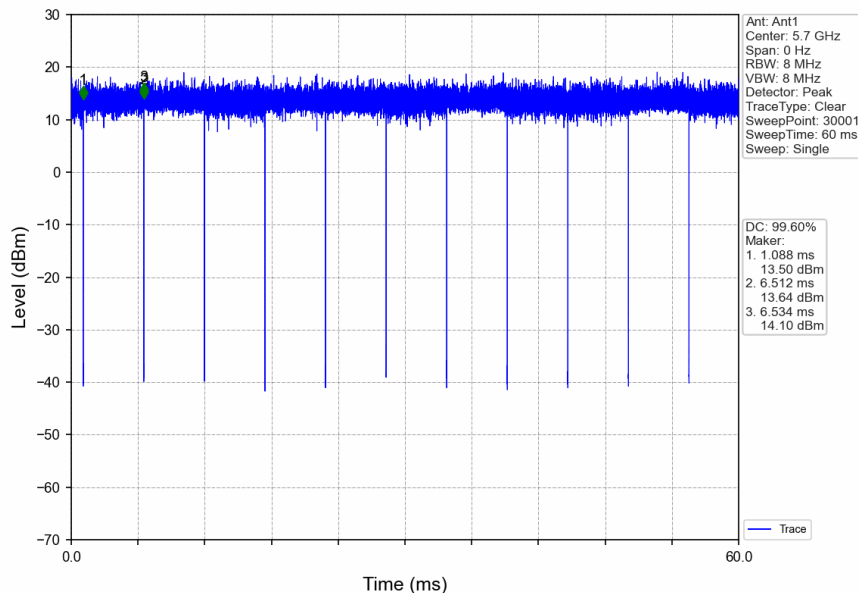
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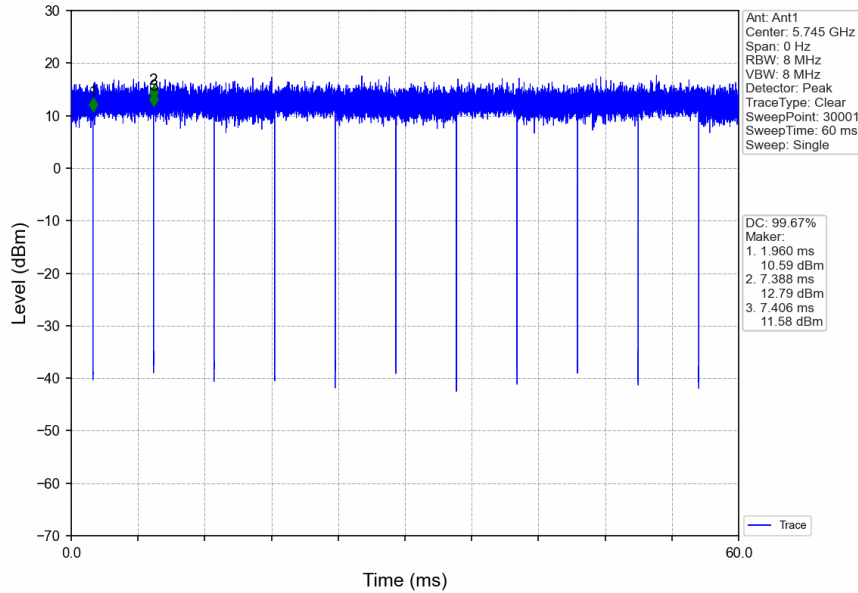
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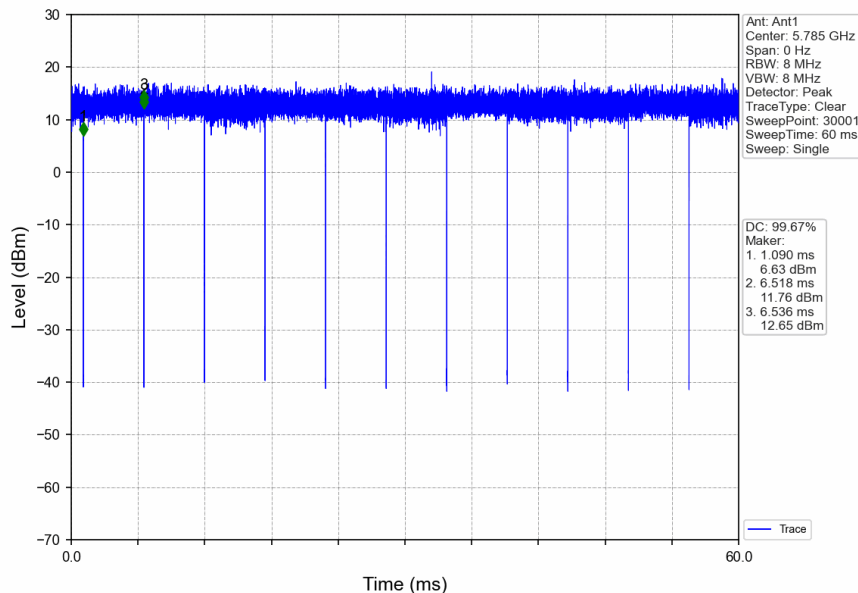
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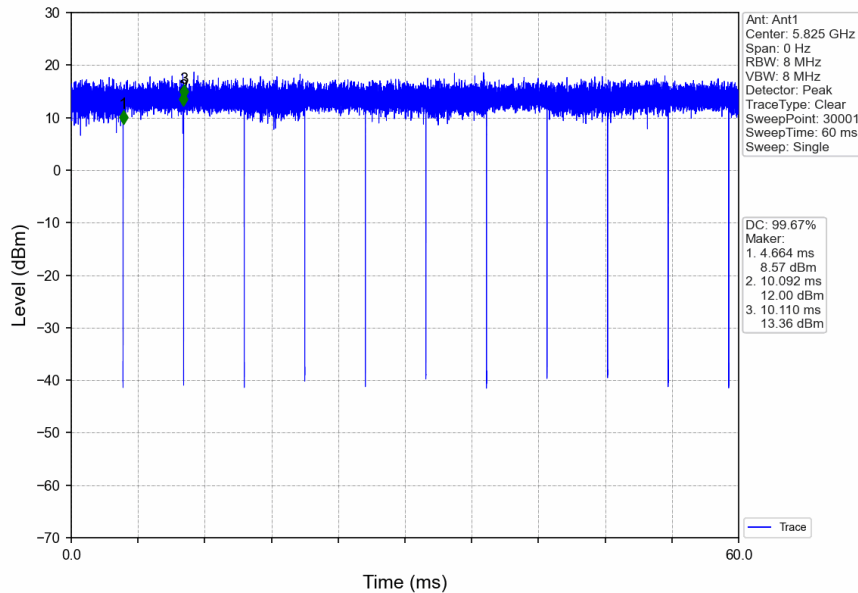
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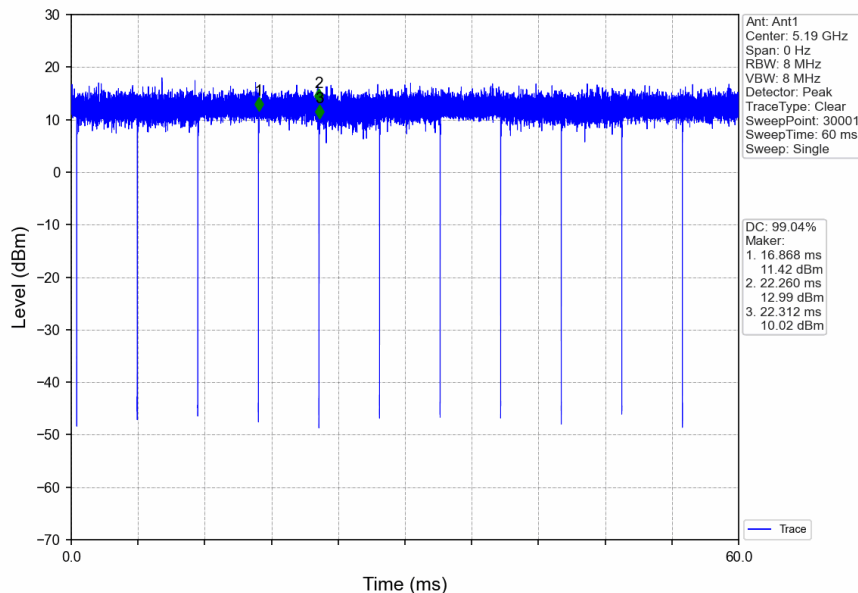
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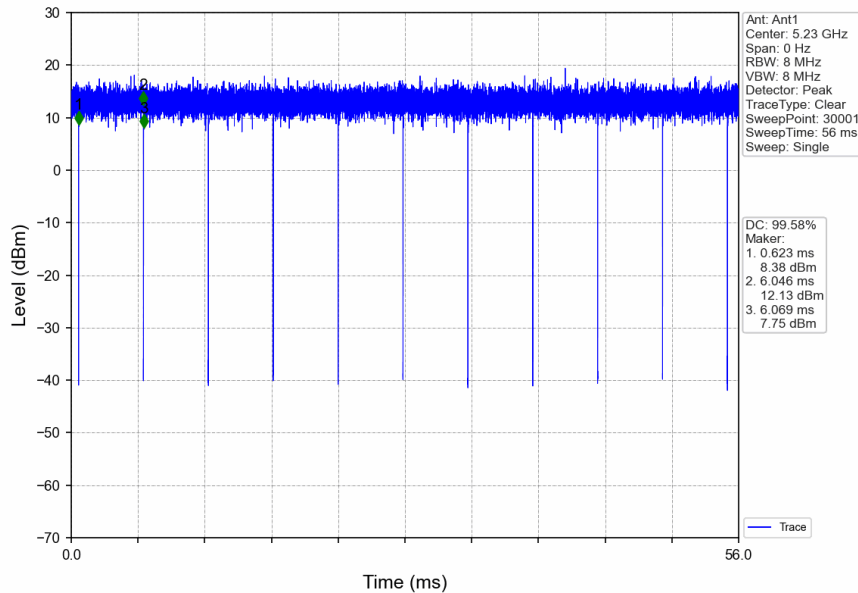
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



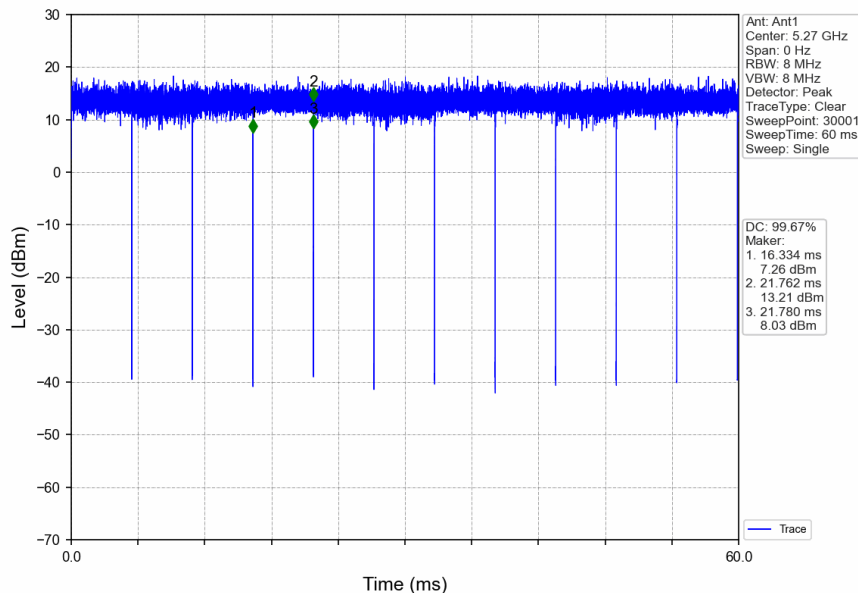
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



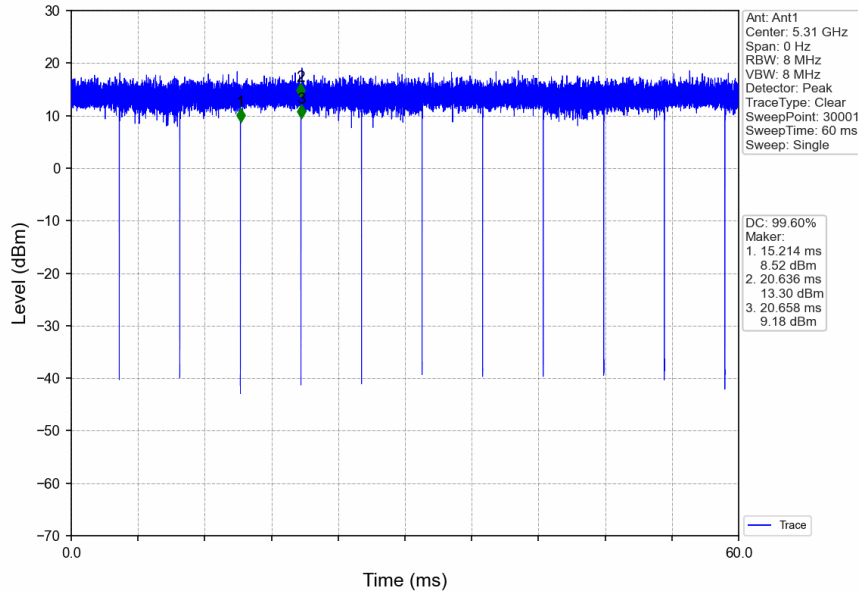
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV

