Appendix B for SHEM210500493402

1. Duty Cycle

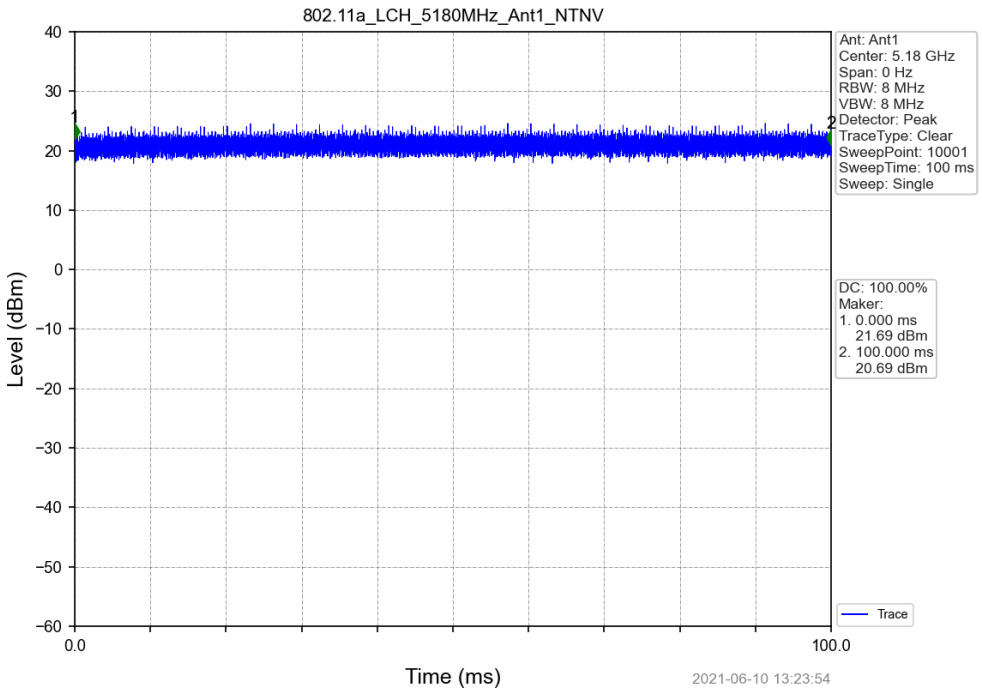
1.1 Ant1

1.1.1 Test Result

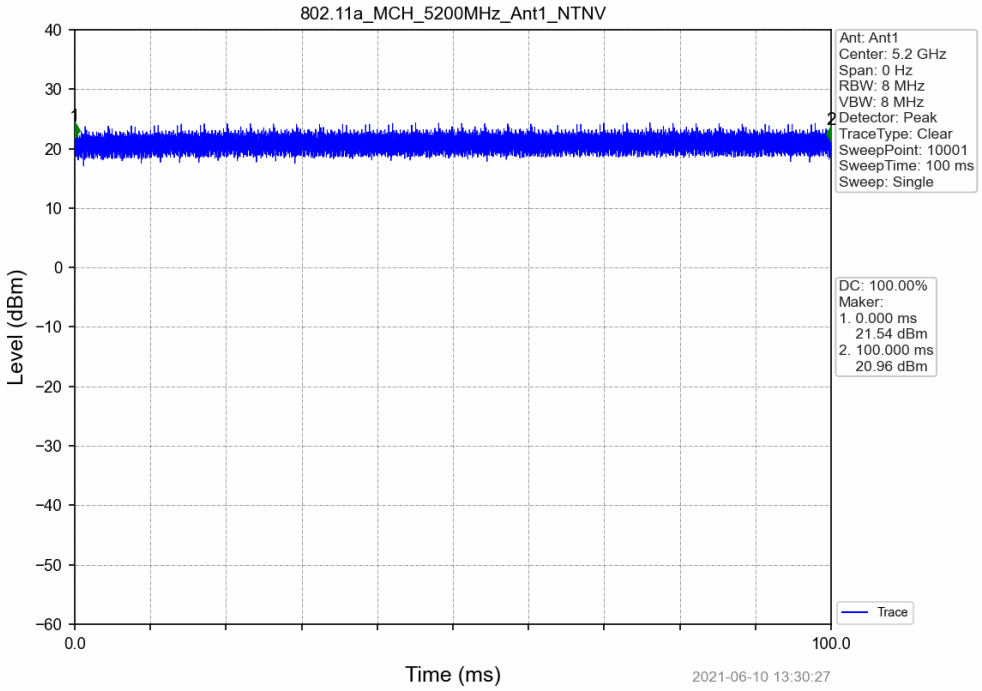
Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	100.00	100.00	100.00	0.00	0.00
		5200	/	/	100.00	100.00	100.00	0.00	0.00
		5240	/	/	100.00	100.00	100.00	0.00	0.00
		5745	/	/	100.00	100.00	100.00	0.00	0.00
		5785	/	/	100.00	100.00	100.00	0.00	0.00
		5825	/	/	100.00	100.00	100.00	0.00	0.00
802.11n (HT20)	MIMO	5180	/	/	100.00	100.00	100.00	0.00	0.00
		5200	/	/	100.00	100.00	100.00	0.00	0.00
		5240	/	/	100.00	100.00	100.00	0.00	0.00
		5745	/	/	100.00	100.00	100.00	0.00	0.00
		5785	/	/	100.00	100.00	100.00	0.00	0.00
		5825	/	/	100.00	100.00	100.00	0.00	0.00
802.11n (HT40)	MIMO	5190	/	/	100.00	100.00	100.00	0.00	0.00
		5230	/	/	100.00	100.00	100.00	0.00	0.00
		5755	/	/	100.00	100.00	100.00	0.00	0.00
		5795	/	/	100.00	100.00	100.00	0.00	0.00
802.11ac (VHT20)	MIMO	5180	/	/	100.00	100.00	100.00	0.00	0.00
		5200	/	/	100.00	100.00	100.00	0.00	0.00
		5240	/	/	100.00	100.00	100.00	0.00	0.00
		5745	/	/	100.00	100.00	100.00	0.00	0.00
		5785	/	/	100.00	100.00	100.00	0.00	0.00
		5825	/	/	100.00	100.00	100.00	0.00	0.00
802.11ac (VHT40)	MIMO	5190	/	/	100.00	100.00	100.00	0.00	0.00
		5230	/	/	100.00	100.00	100.00	0.00	0.00
		5755	/	/	100.00	100.00	100.00	0.00	0.00
		5795	/	/	100.00	100.00	100.00	0.00	0.00
802.11ac (VHT80)	MIMO	5210	/	/	100.00	100.00	100.00	0.00	0.00
		5775	/	/	100.00	100.00	100.00	0.00	0.00
Note1: Only for Report Use									

1.1.2 Test Graph

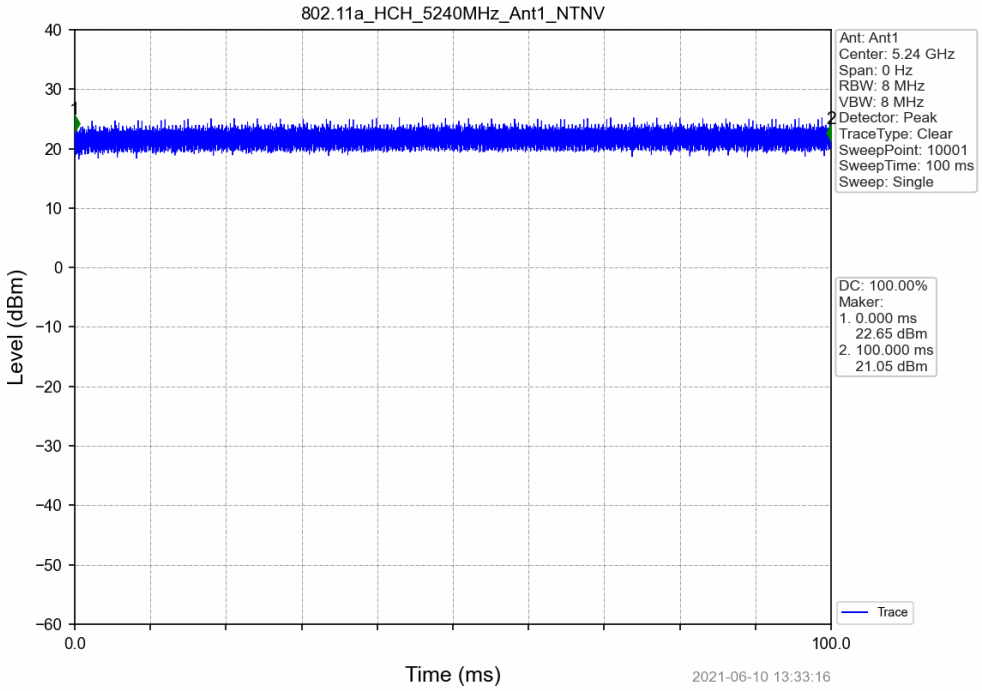
802.11a_LCH_5180MHz_Ant1_NTNV



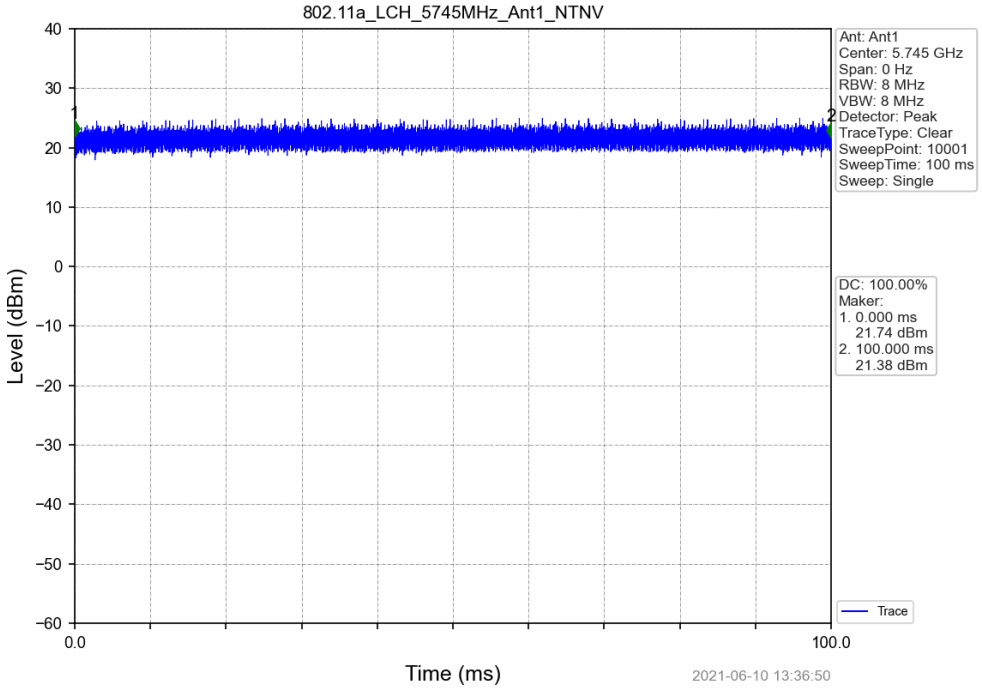
802.11a_MCH_5200MHz_Ant1_NTNV



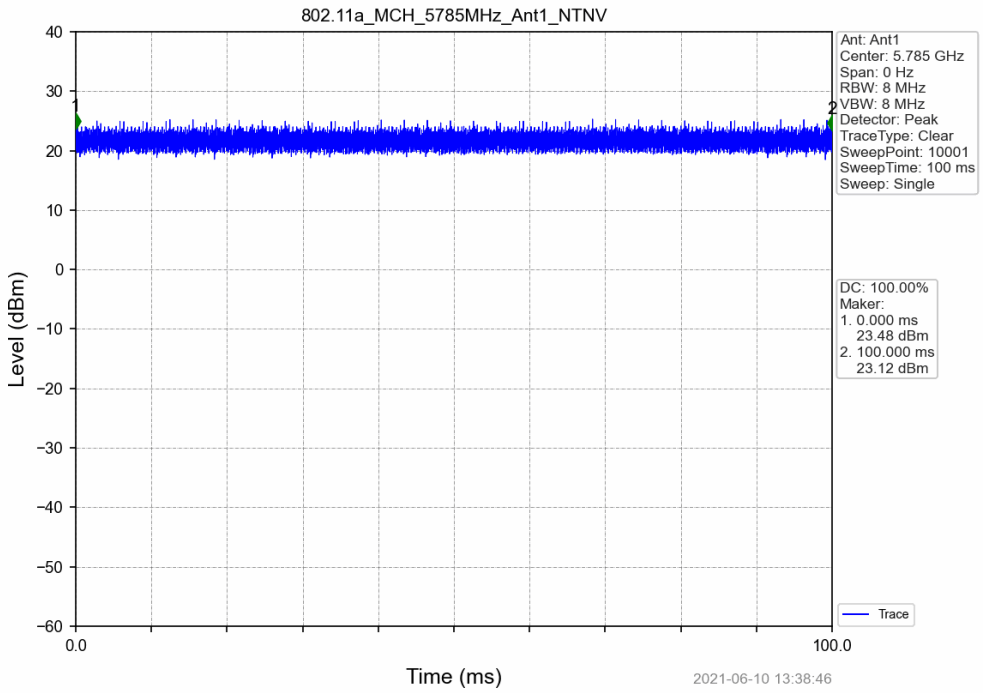
802.11a_HCH_5240MHz_Ant1_NTNV



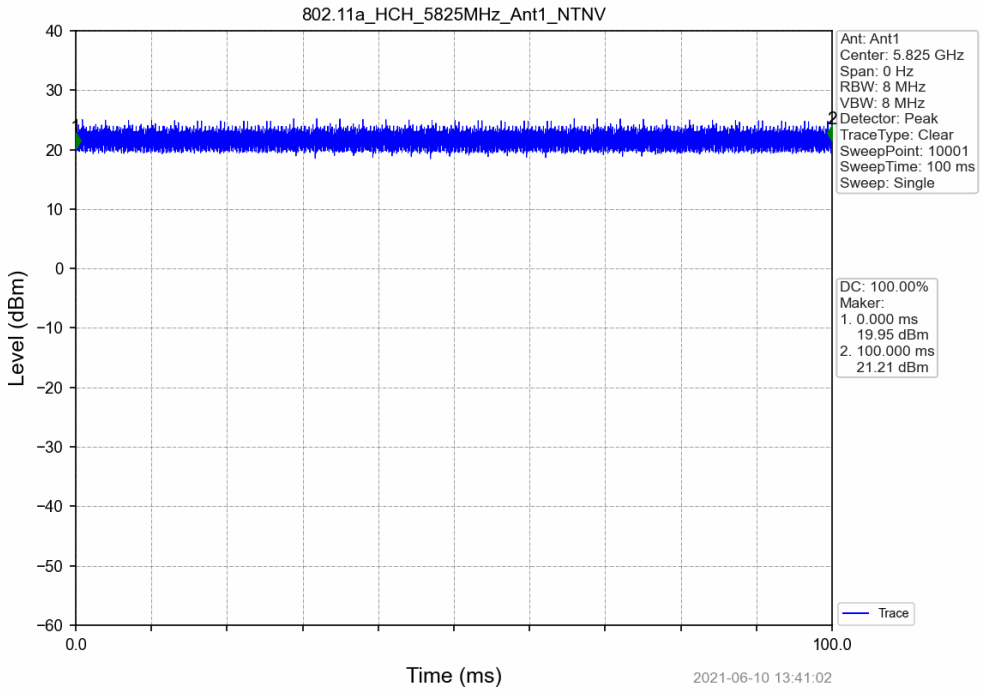
802.11a_LCH_5745MHz_Ant1_NTNV



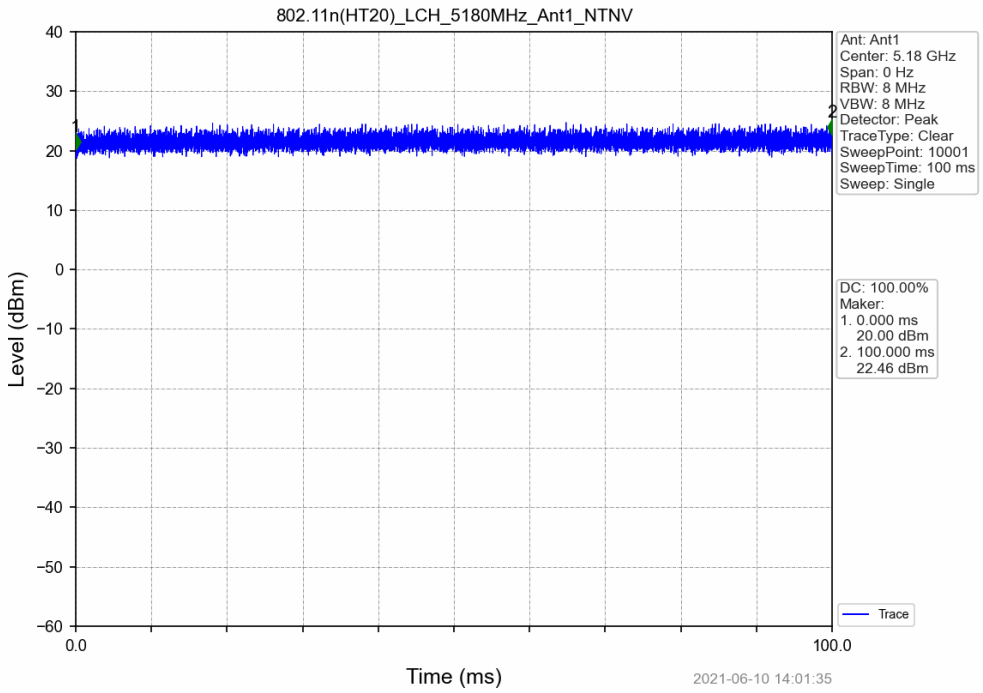
802.11a_MCH_5785MHz_Ant1_NTNV



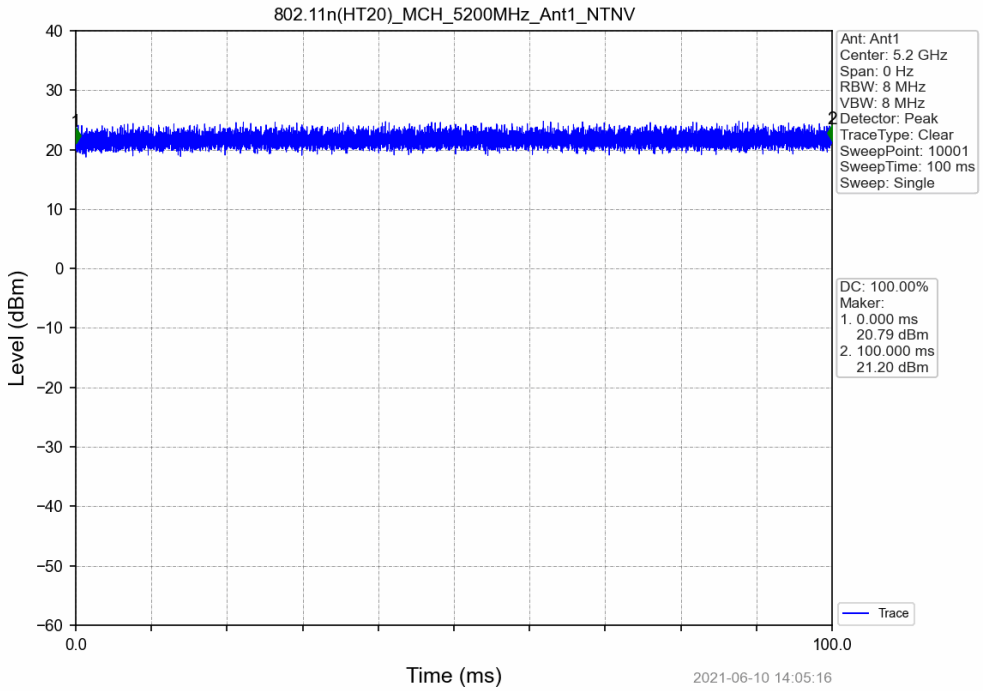
802.11a_HCH_5825MHz_Ant1_NTNV



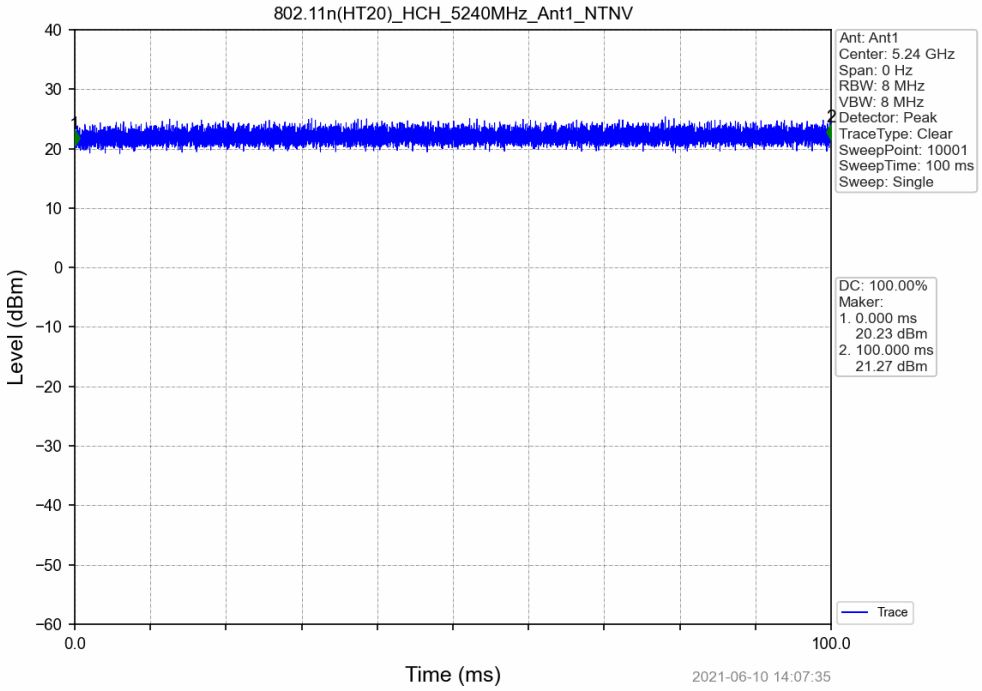
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



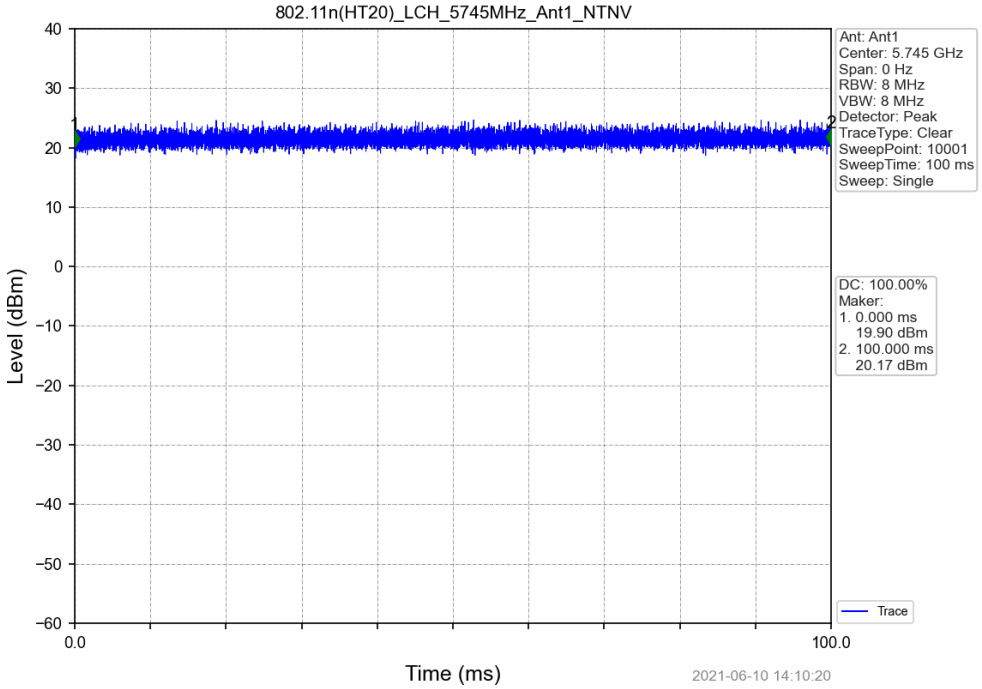
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



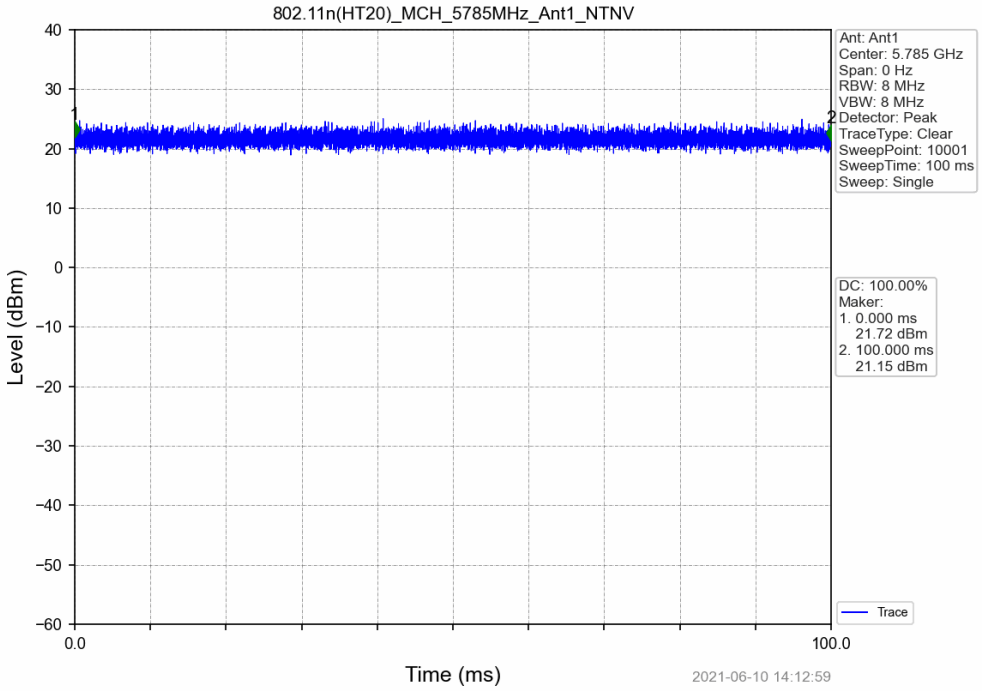
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



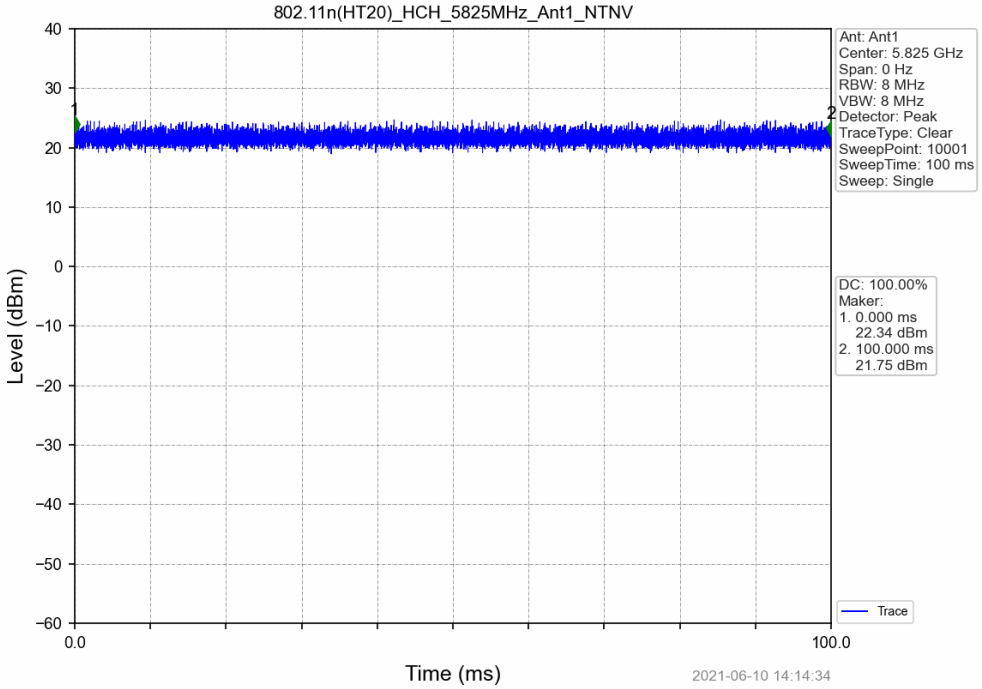
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



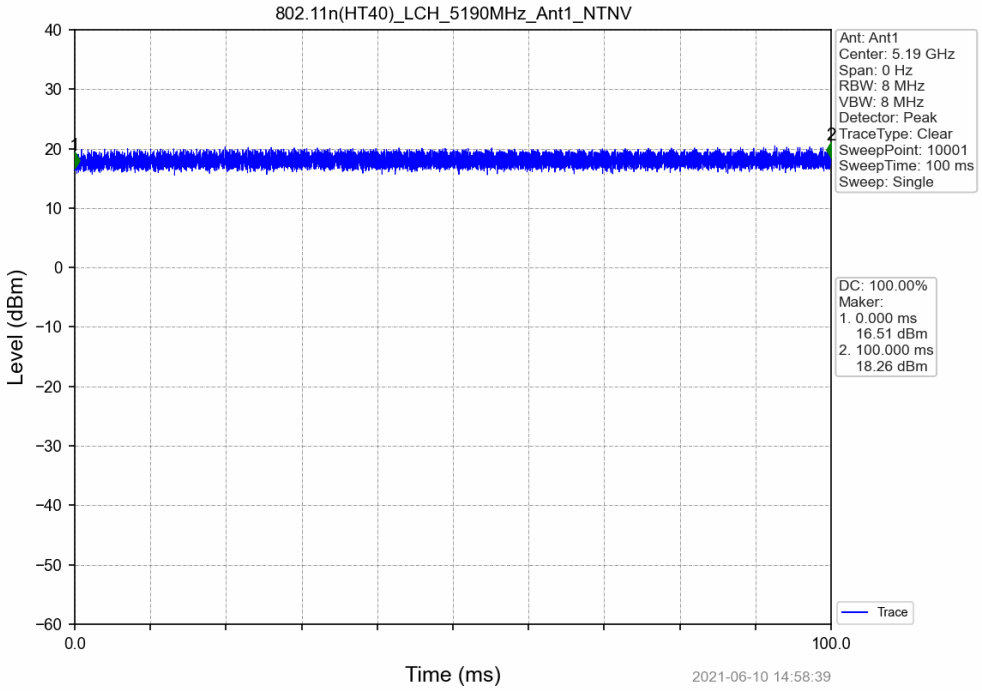
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



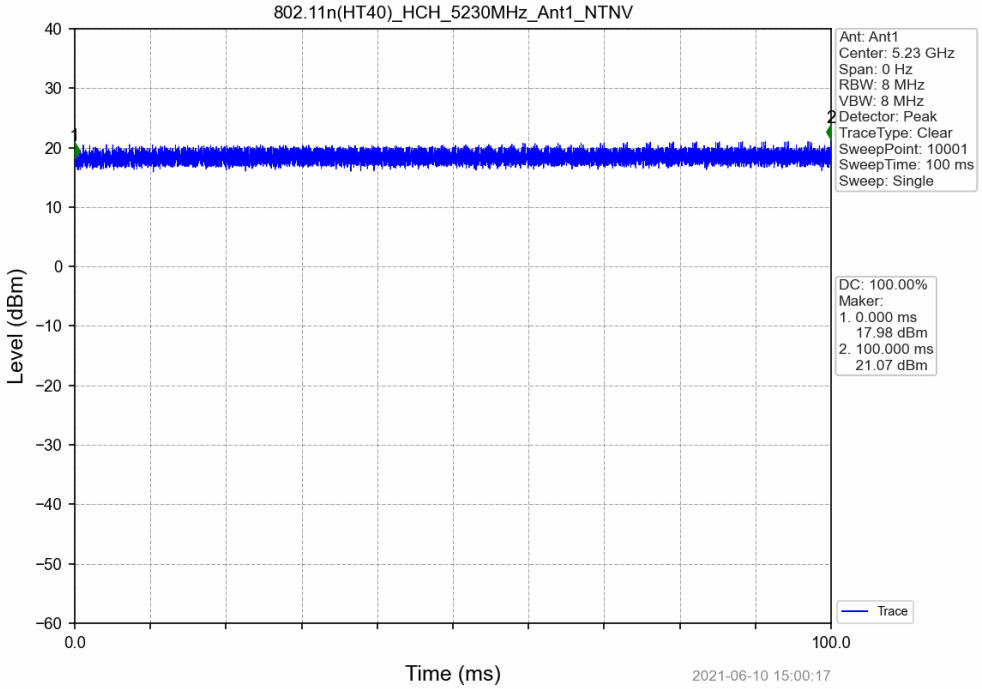
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



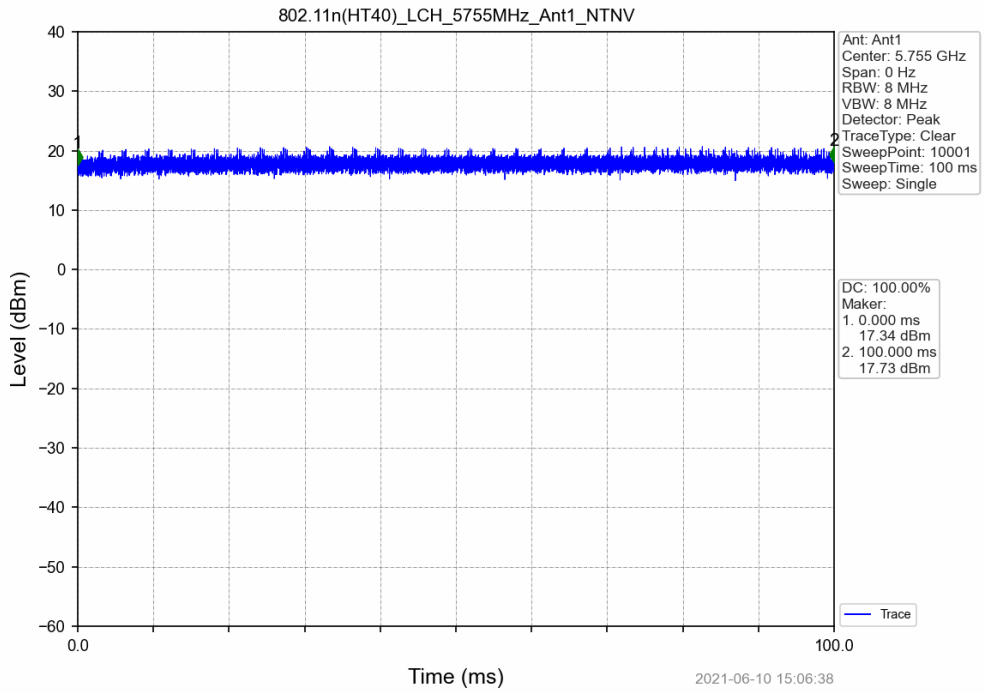
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



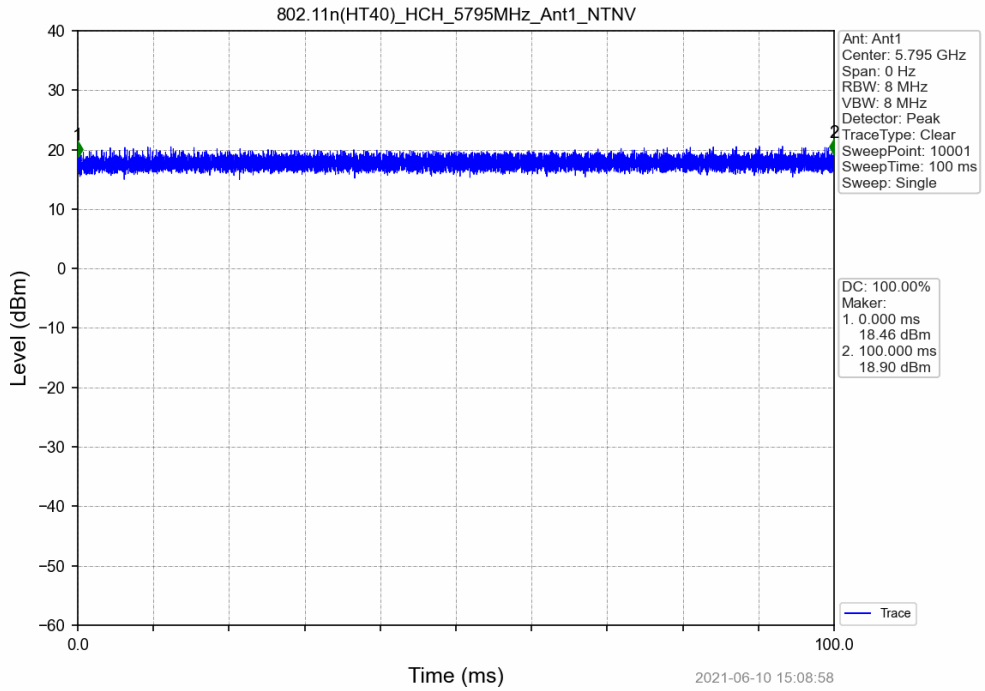
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



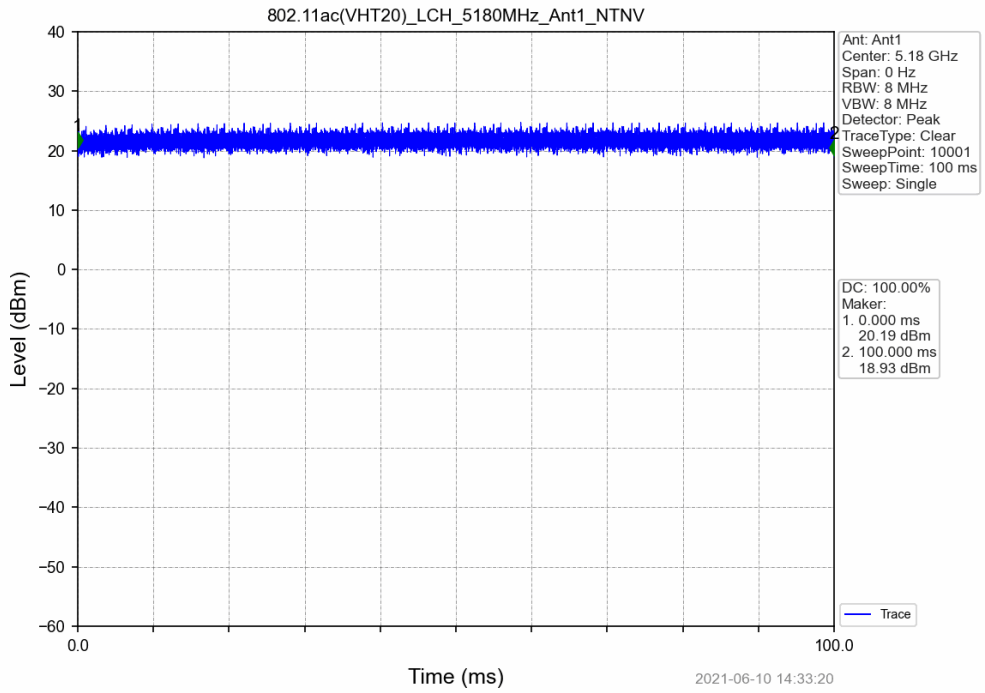
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



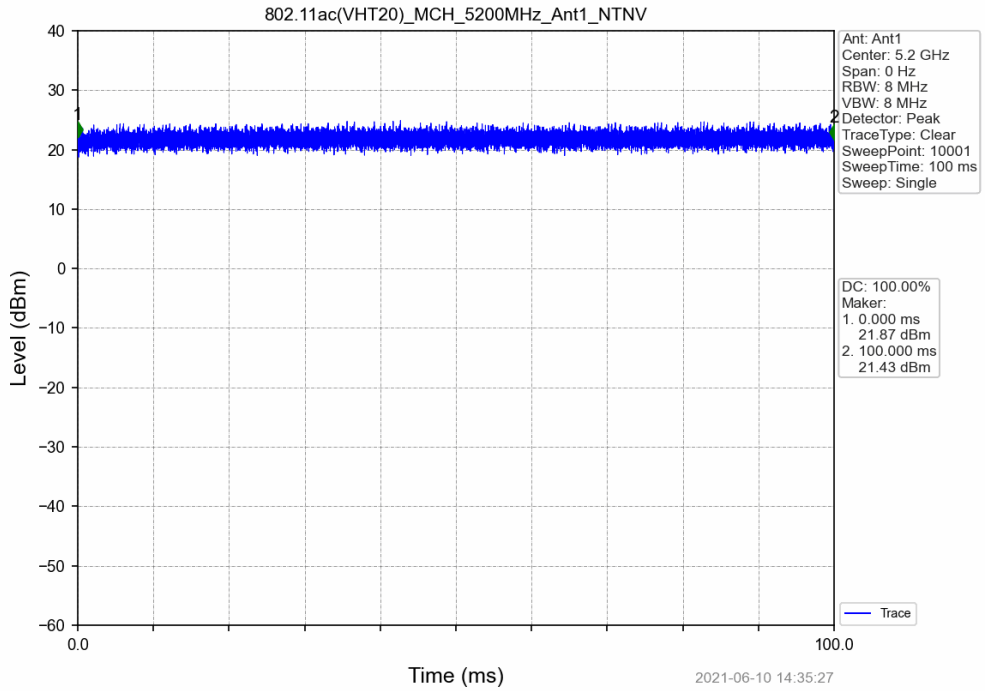
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



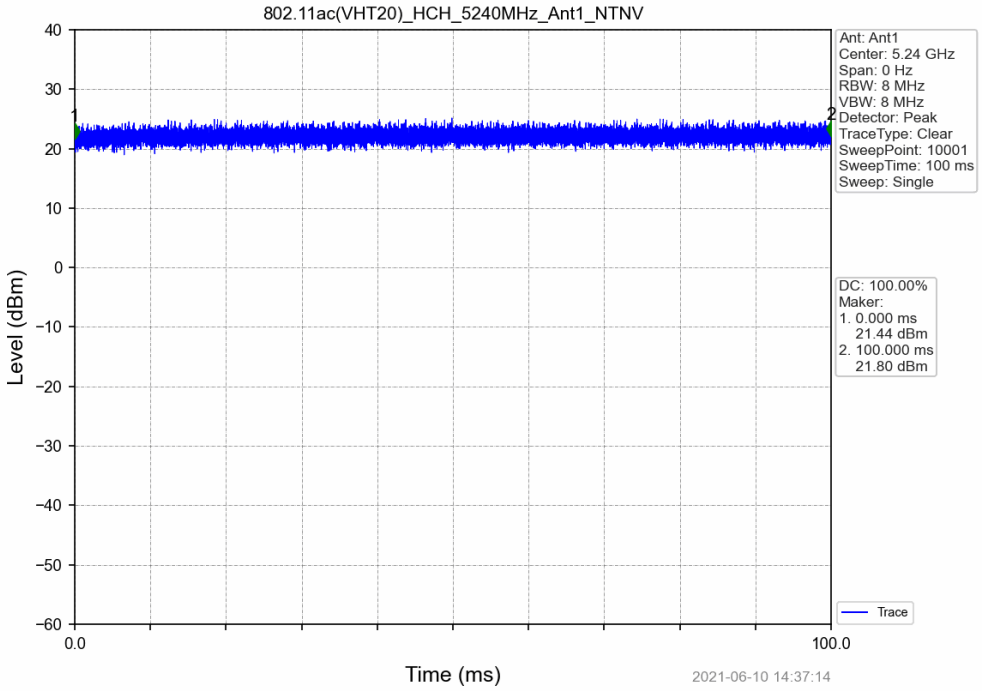
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



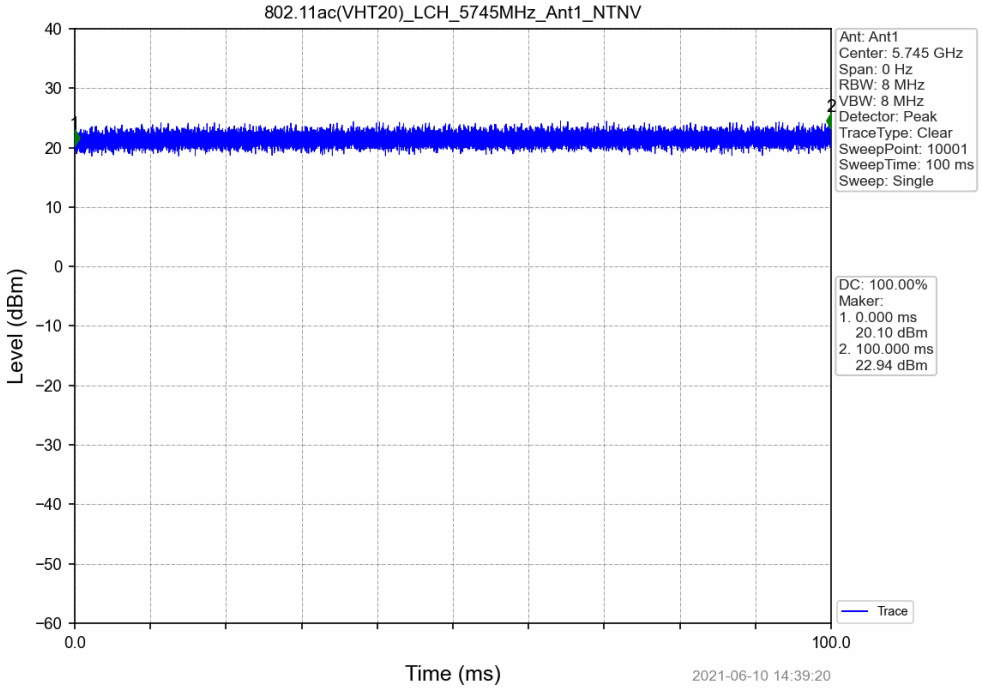
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



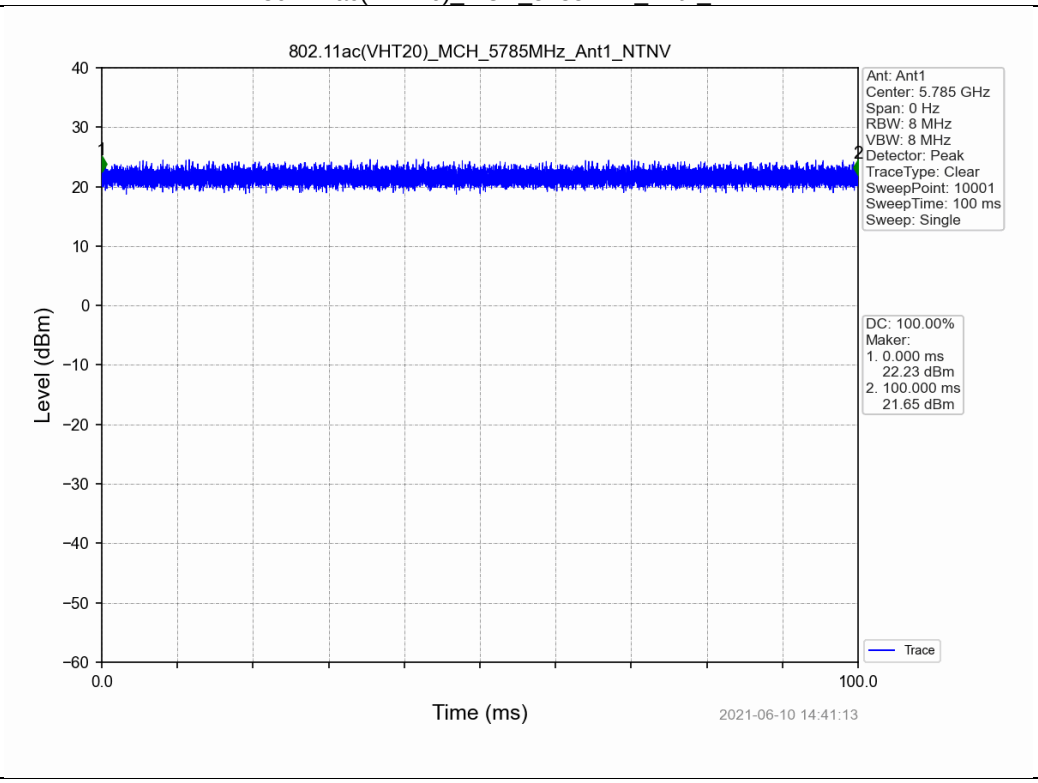
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



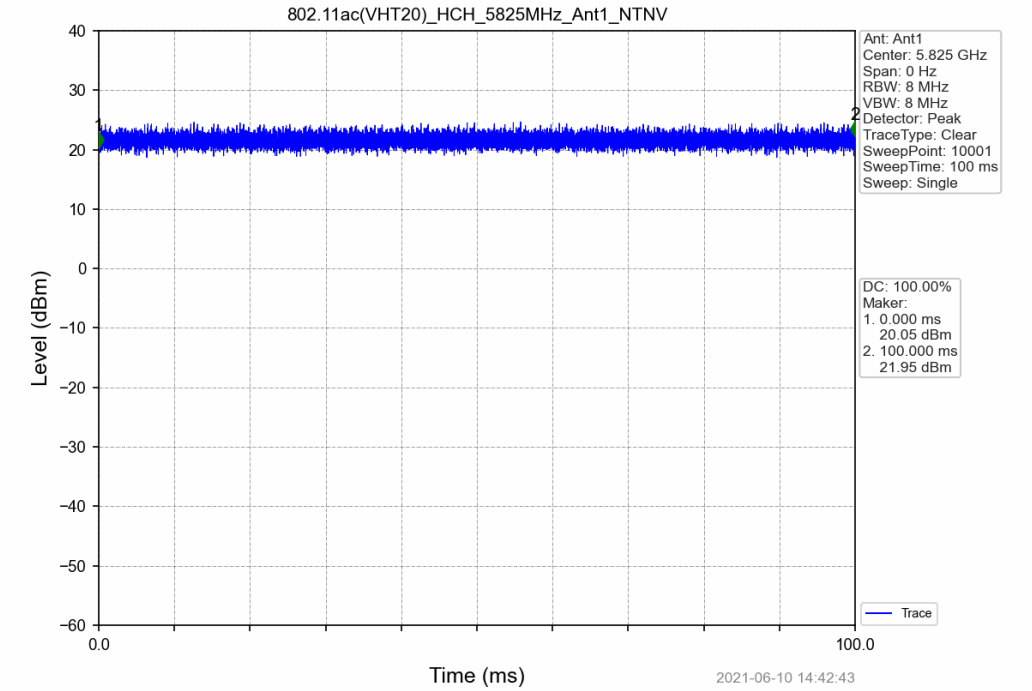
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



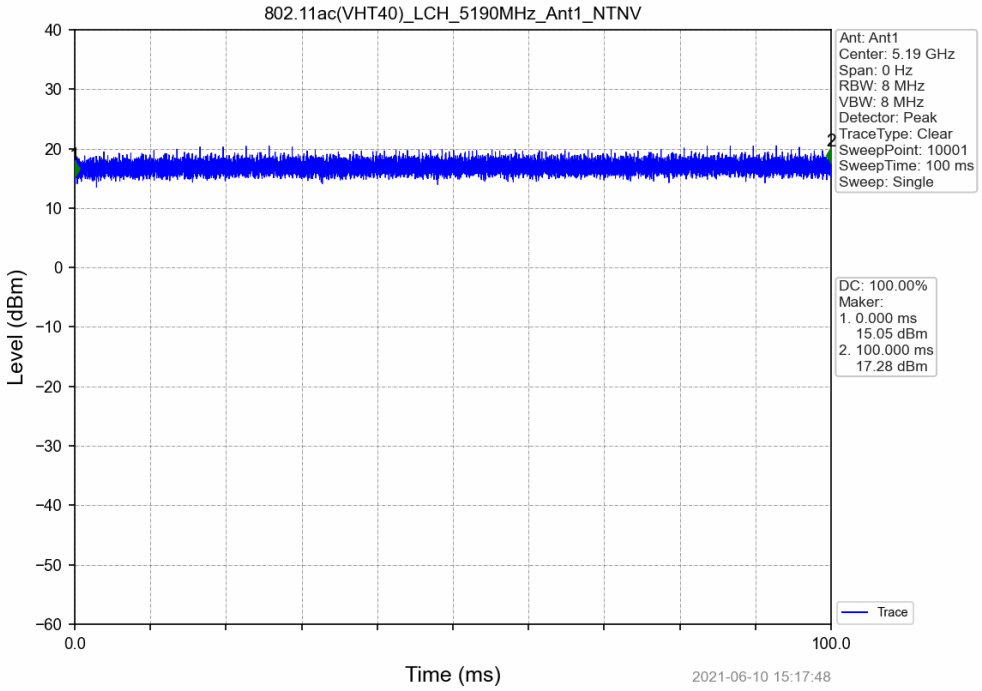
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



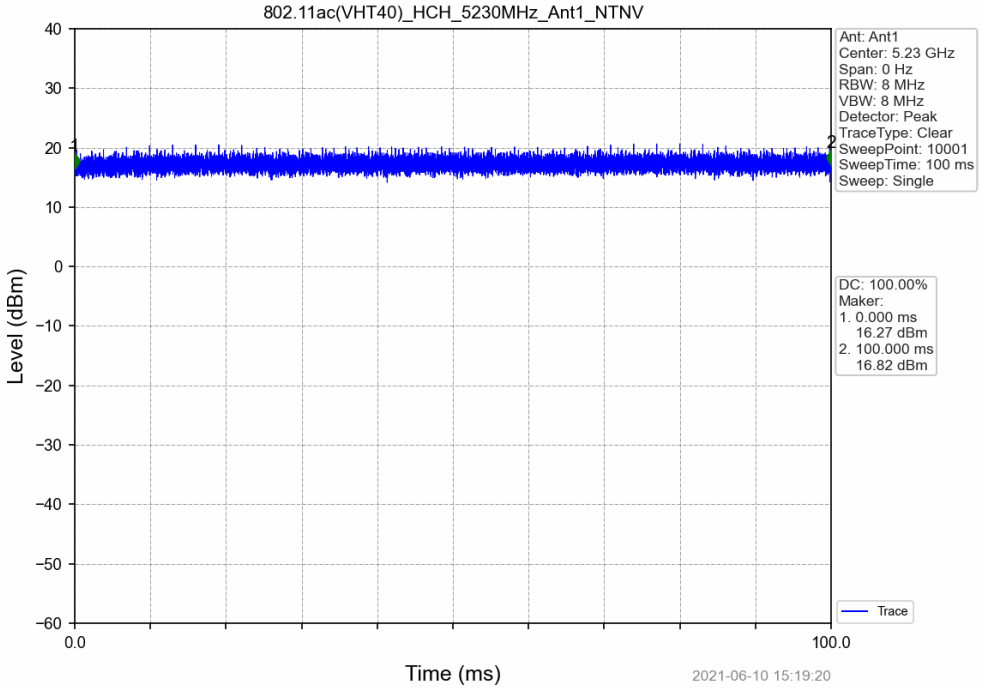
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



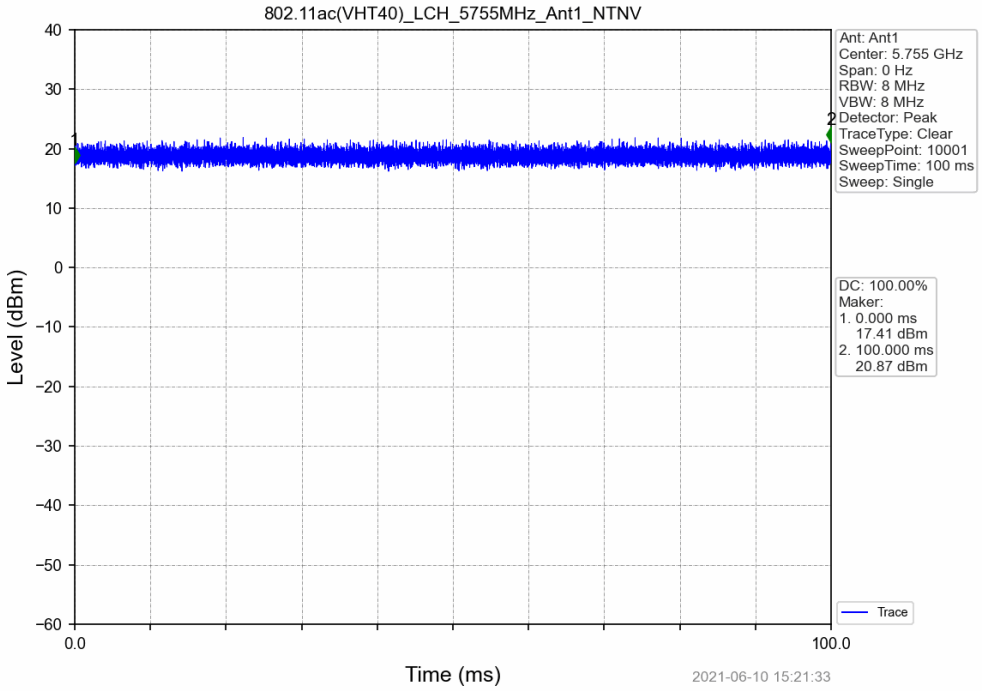
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



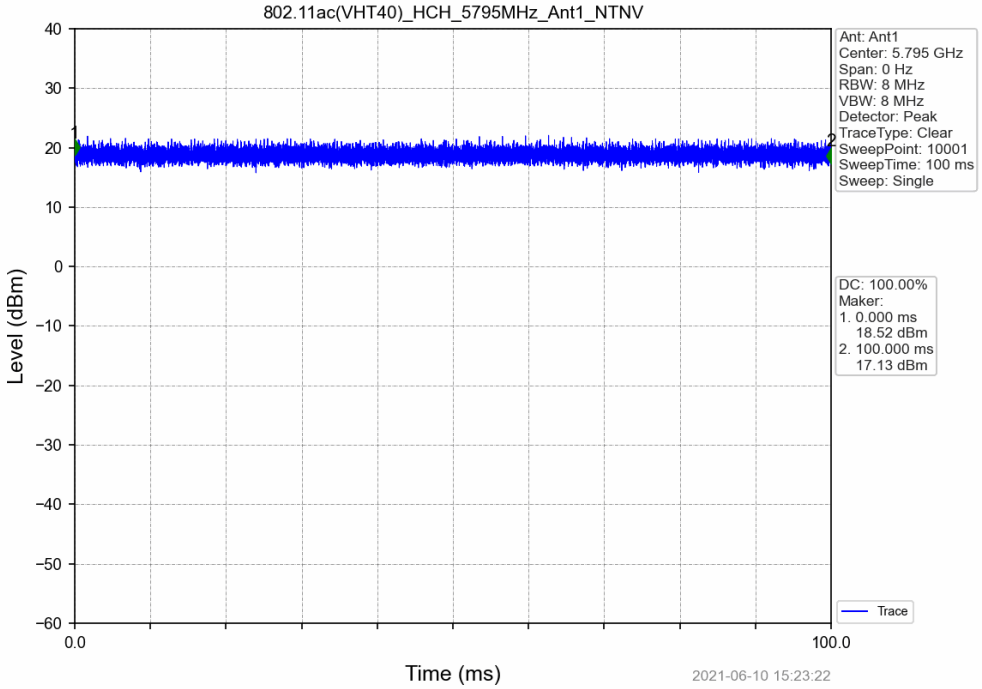
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



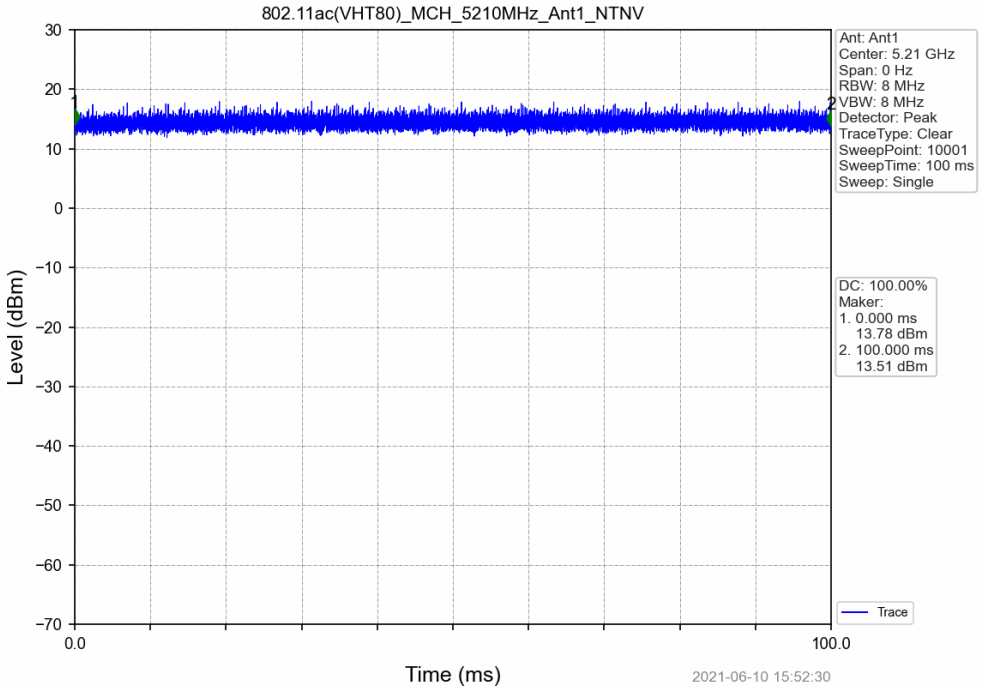
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



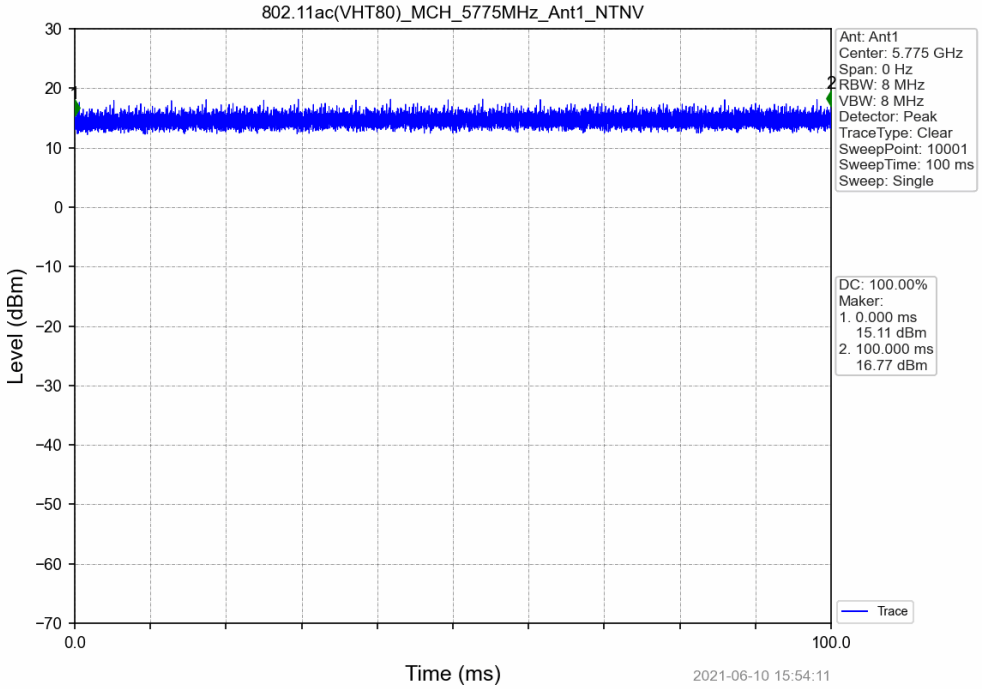
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2. Bandwidth

2.1 OBW

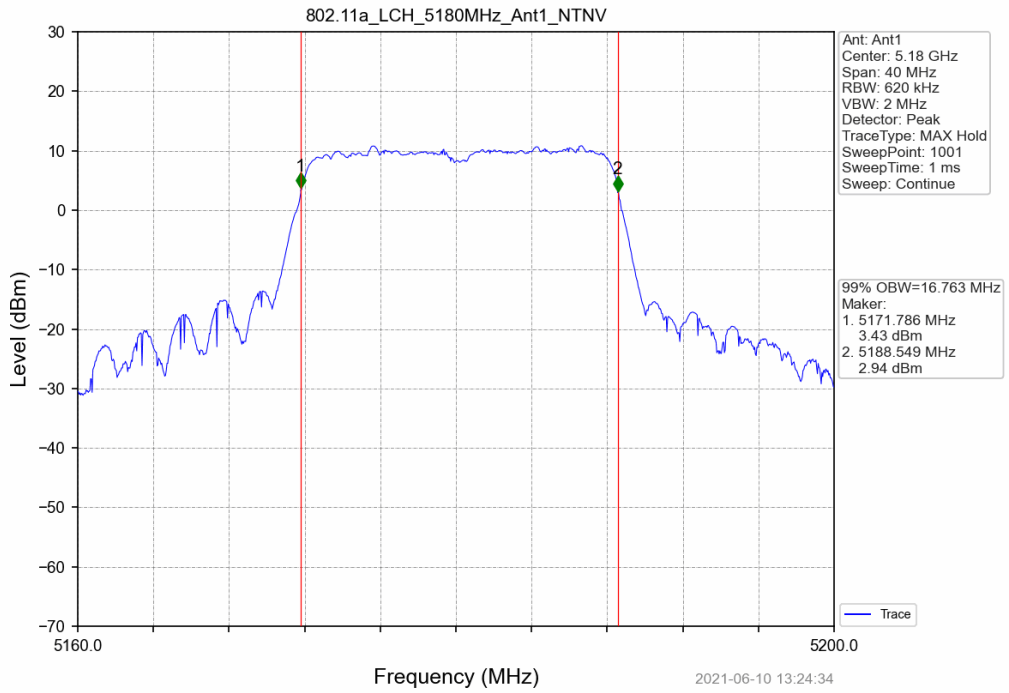
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
802.11a	SISO	5180	/	/	1	16.76	/	Note1
					2	16.83	/	Note1
		5200	/	/	1	16.72	/	Note1
					2	16.83	/	Note1
		5240	/	/	1	16.76	/	Note1
					2	16.84	/	Note1
		5745	/	/	1	16.86	/	Note1
					2	16.76	/	Note1
		5785	/	/	1	16.84	/	Note1
					2	16.77	/	Note1
		5825	/	/	1	16.86	/	Note1
					2	16.76	/	Note1
802.11n (HT20)	MIMO	5180	/	/	1	17.79	/	Note1
					2	17.80	/	Note1
		5200	/	/	1	17.79	/	Note1
					2	17.81	/	Note1
		5240	/	/	1	17.80	/	Note1
					2	17.81	/	Note1
		5745	/	/	1	17.80	/	Note1
					2	17.80	/	Note1
		5785	/	/	1	17.82	/	Note1
					2	17.80	/	Note1
		5825	/	/	1	17.82	/	Note1
					2	17.79	/	Note1
802.11n (HT40)	MIMO	5190	/	/	1	36.60	/	Note1
					2	36.70	/	Note1
		5230	/	/	1	36.65	/	Note1
					2	36.83	/	Note1
		5755	/	/	1	36.60	/	Note1
					2	36.73	/	Note1
		5795	/	/	1	36.70	/	Note1
					2	36.77	/	Note1
802.11ac (VHT20)	MIMO	5180	/	/	1	17.83	/	Note1
					2	17.83	/	Note1
		5200	/	/	1	17.82	/	Note1
					2	17.84	/	Note1
		5240	/	/	1	17.83	/	Note1
					2	17.83	/	Note1
		5745	/	/	1	17.84	/	Note1
					2	17.81	/	Note1
		5785	/	/	1	17.83	/	Note1
					2	17.82	/	Note1
		5825	/	/	1	17.83	/	Note1
					2	17.82	/	Note1
802.11ac (VHT40)	MIMO	5190	/	/	1	36.62	/	Note1
					2	36.88	/	Note1

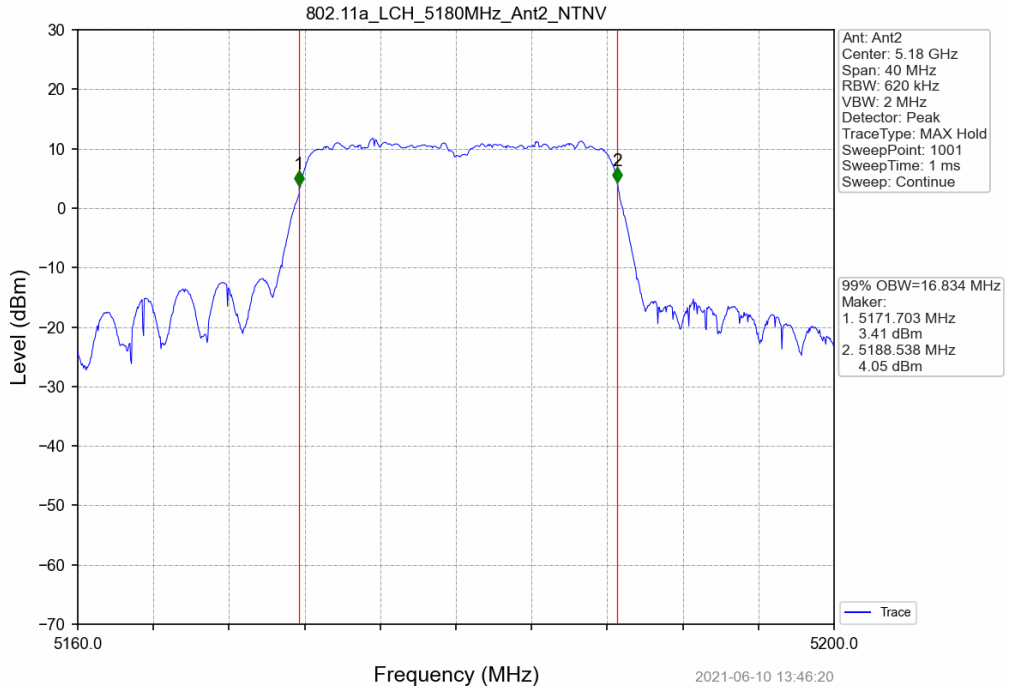
		5230	/	/	1	36.61	/	Note1
					2	36.78	/	Note1
		5755	/	/	1	36.64	/	Note1
					2	36.77	/	Note1
		5795	/	/	1	36.71	/	Note1
					2	36.72	/	Note1
802.11ac (VHT80)	MIMO	5210	/	/	1	75.00	/	Note1
					2	75.61	/	Note1
		5775	/	/	1	75.62	/	Note1
					2	75.47	/	Note1
Note1: Only for Report Use								

2.1.2 Test Graph

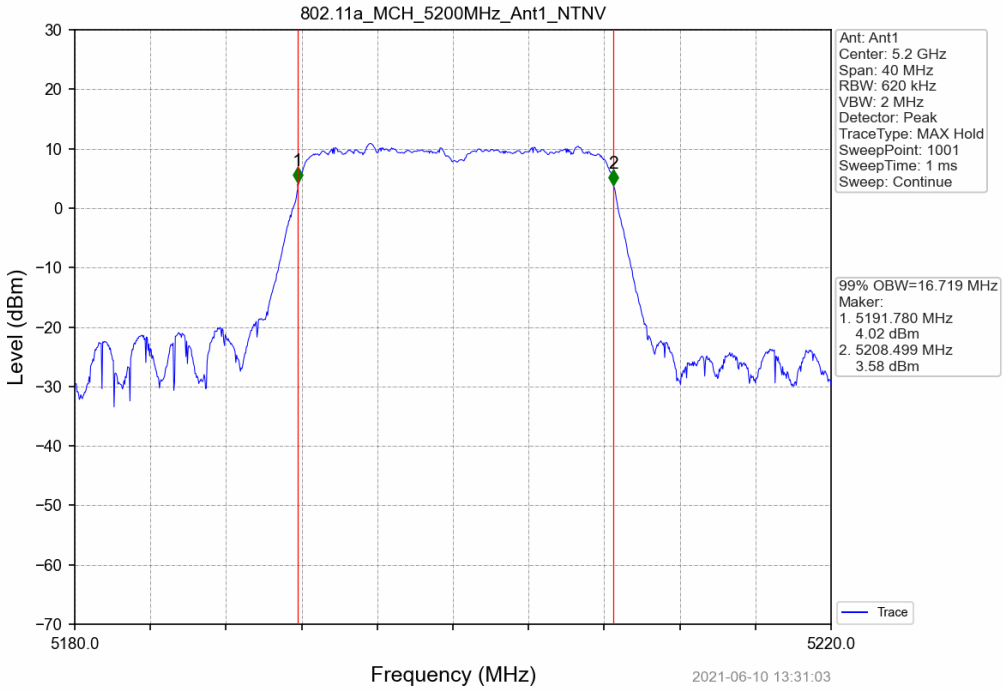
802.11a_LCH_5180MHz_Ant1_NTNV



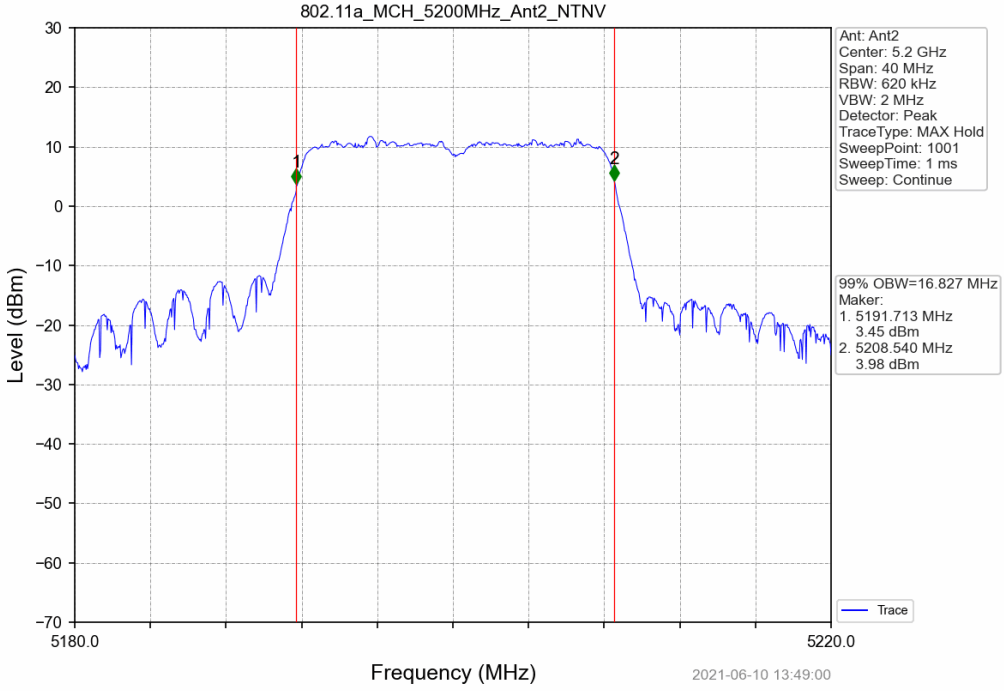
802.11a_LCH_5180MHz_Ant2_NTNV



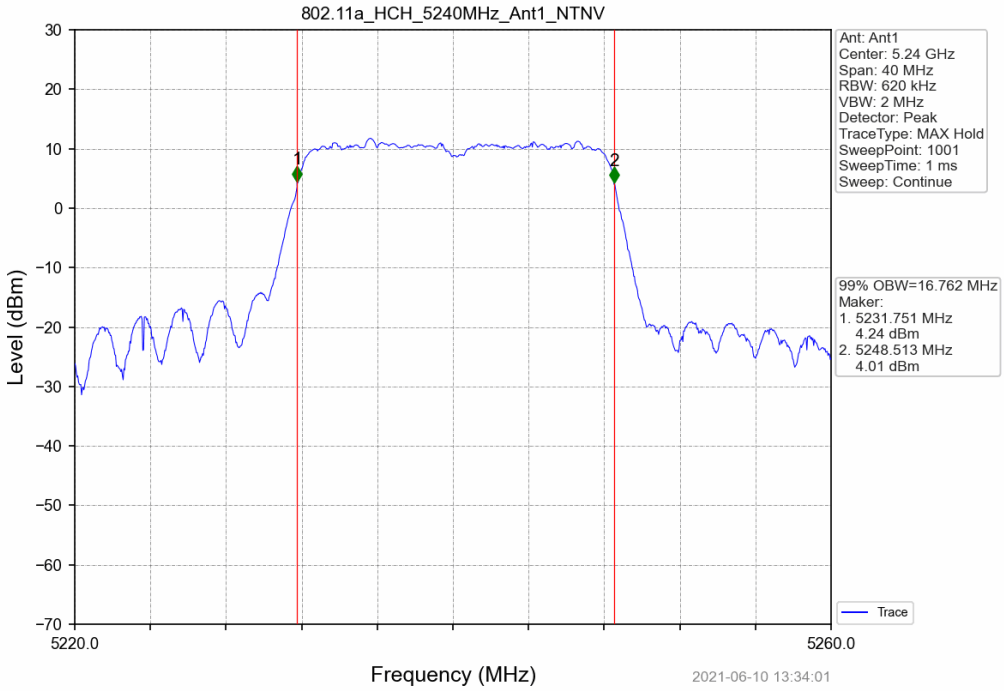
802.11a_MCH_5200MHz_Ant1_NTNV



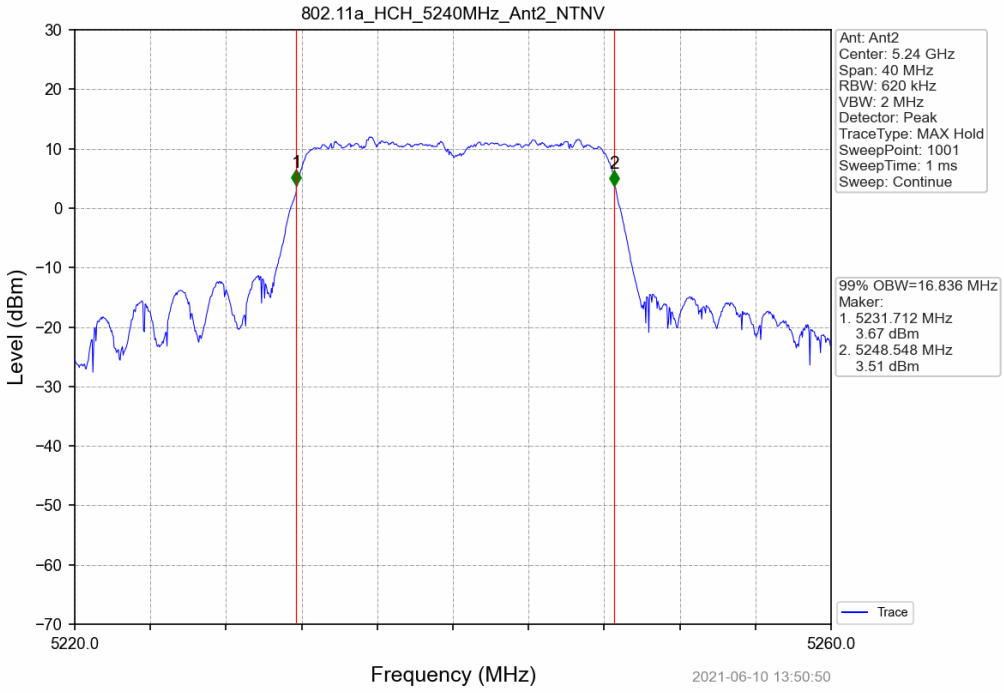
802.11a_MCH_5200MHz_Ant2_NTNV



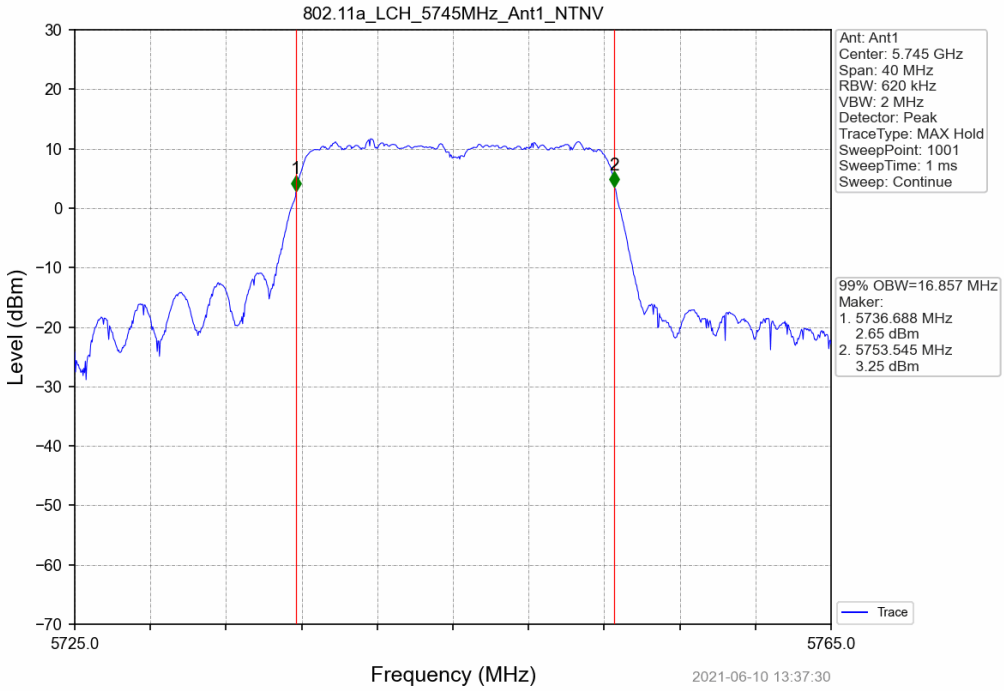
802.11a_HCH_5240MHz_Ant1_NTNV



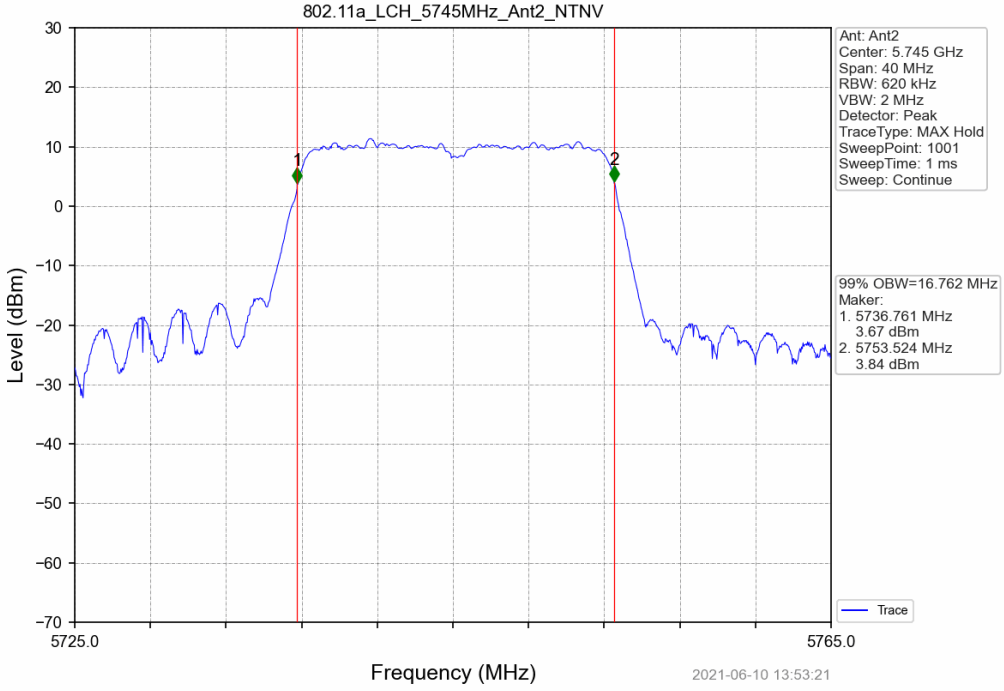
802.11a_HCH_5240MHz_Ant2_NTNV



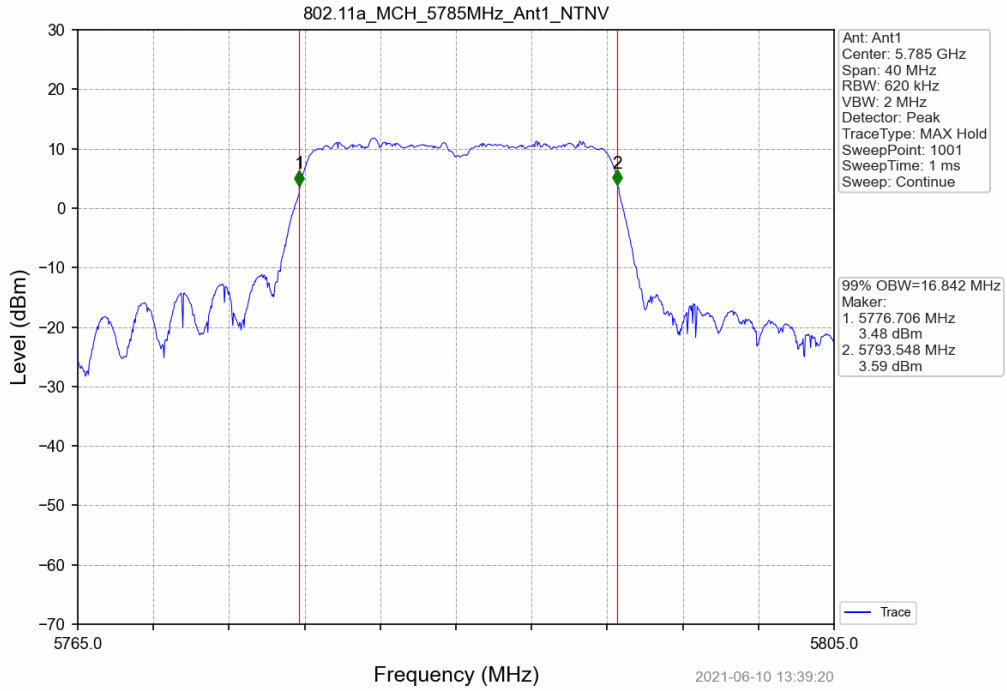
802.11a_LCH_5745MHz_Ant1_NTNV



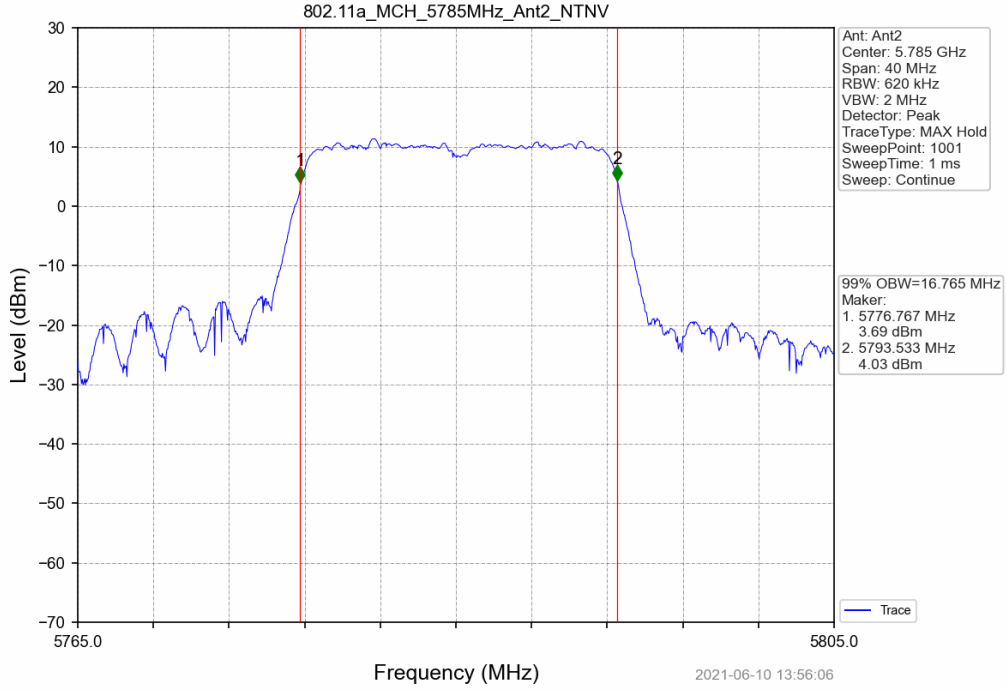
802.11a_LCH_5745MHz_Ant2_NTNV



802.11a_MCH_5785MHz_Ant1_NTNV



802.11a_MCH_5785MHz_Ant2_NTNV



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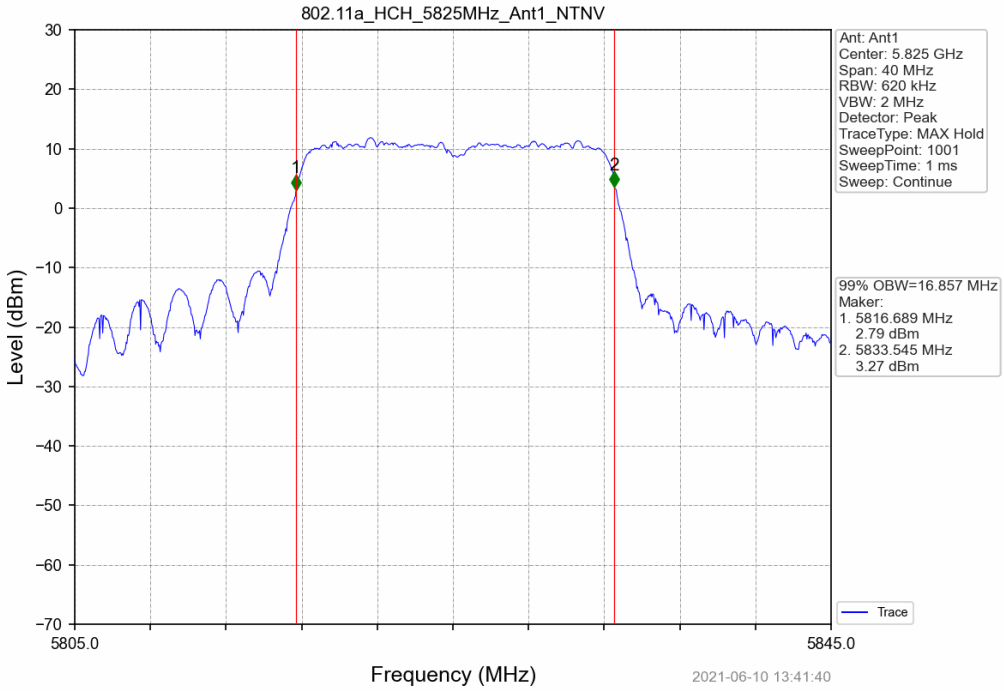

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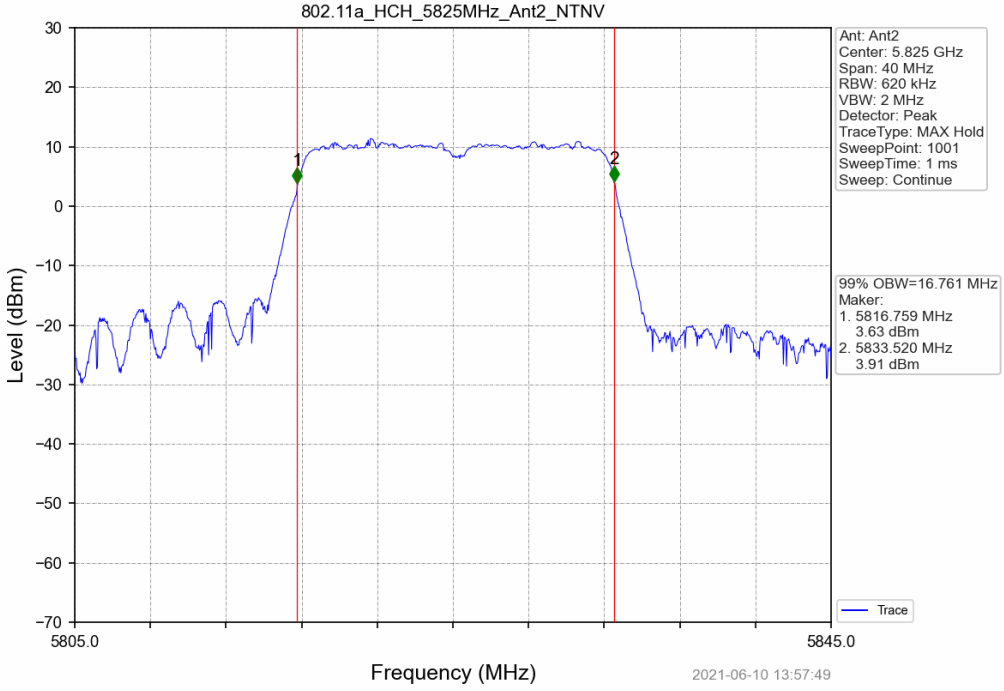

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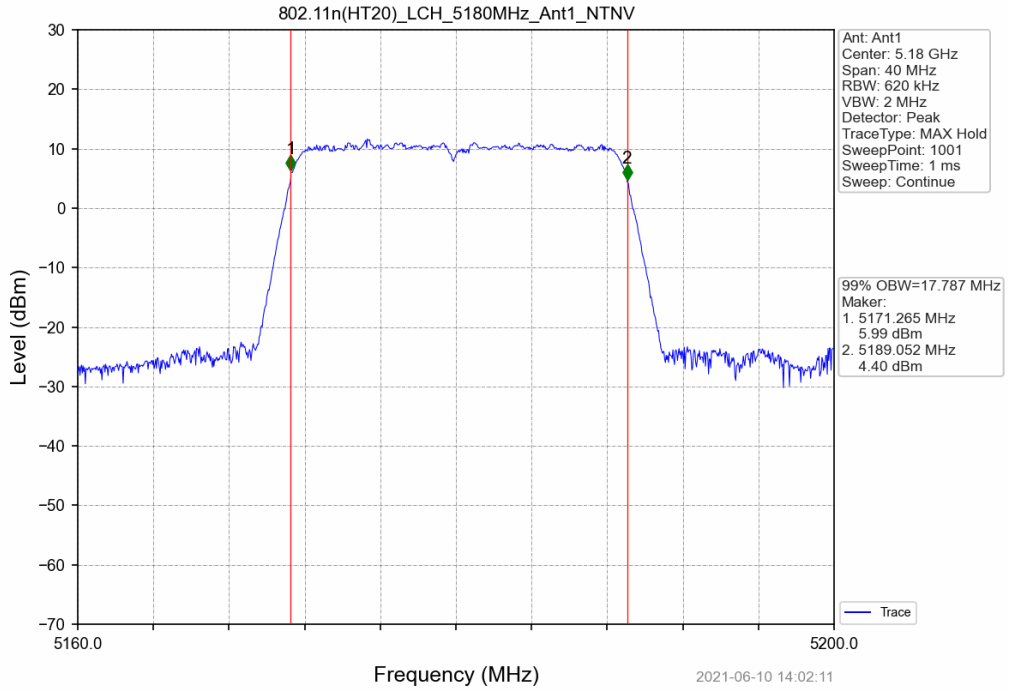

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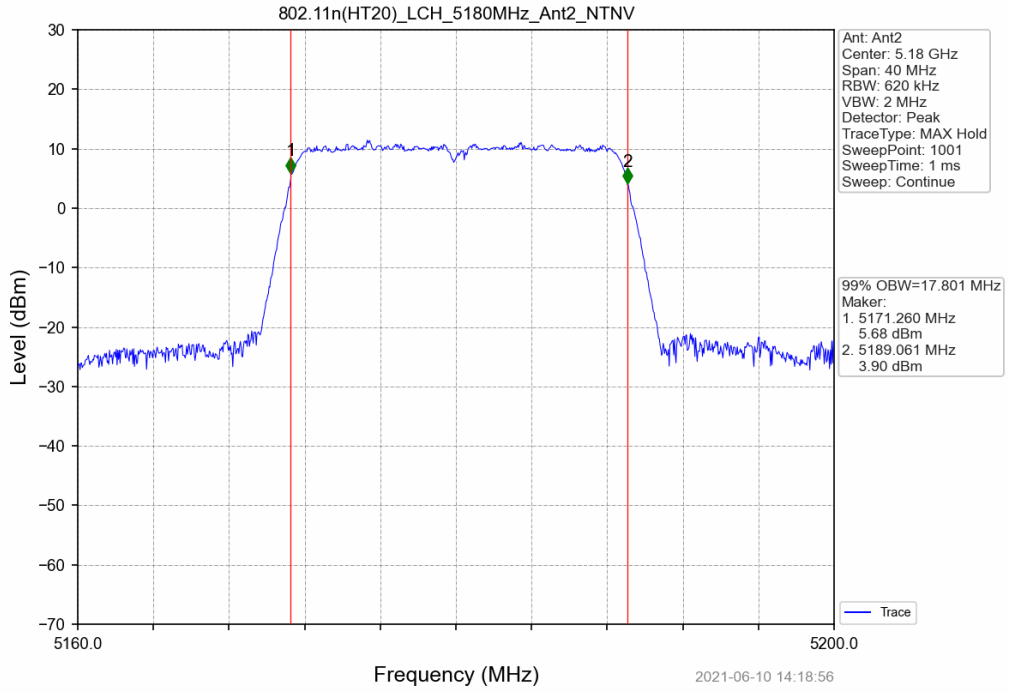

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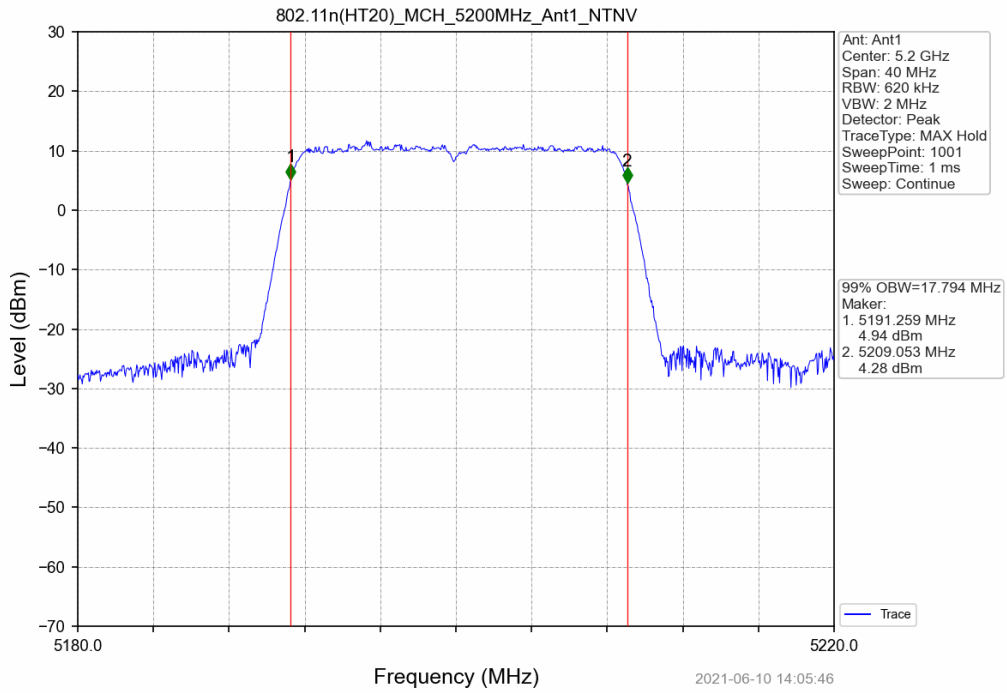

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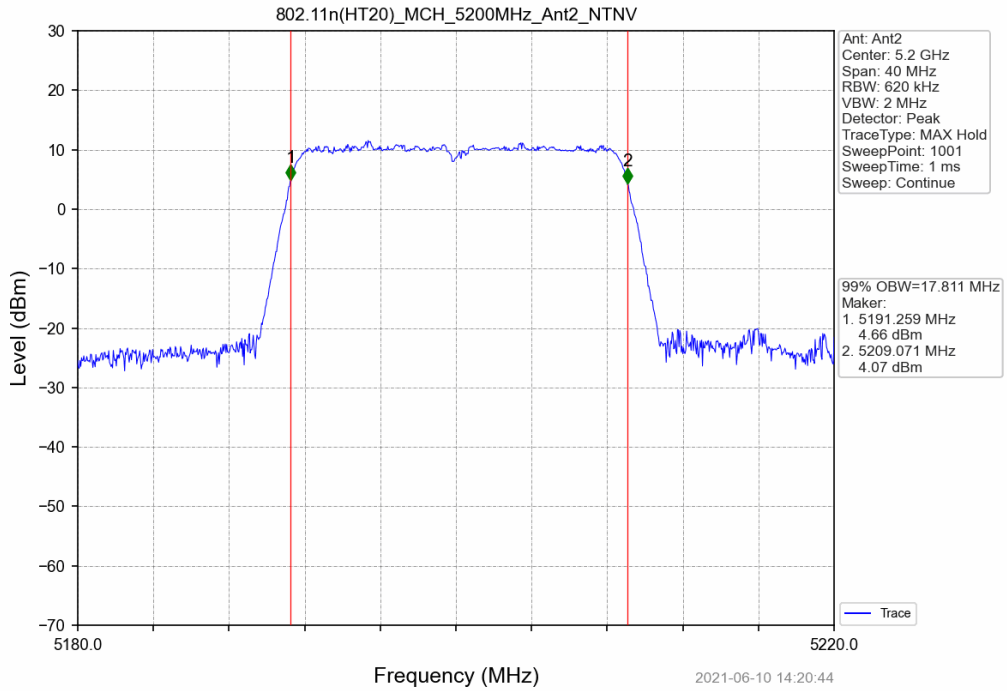

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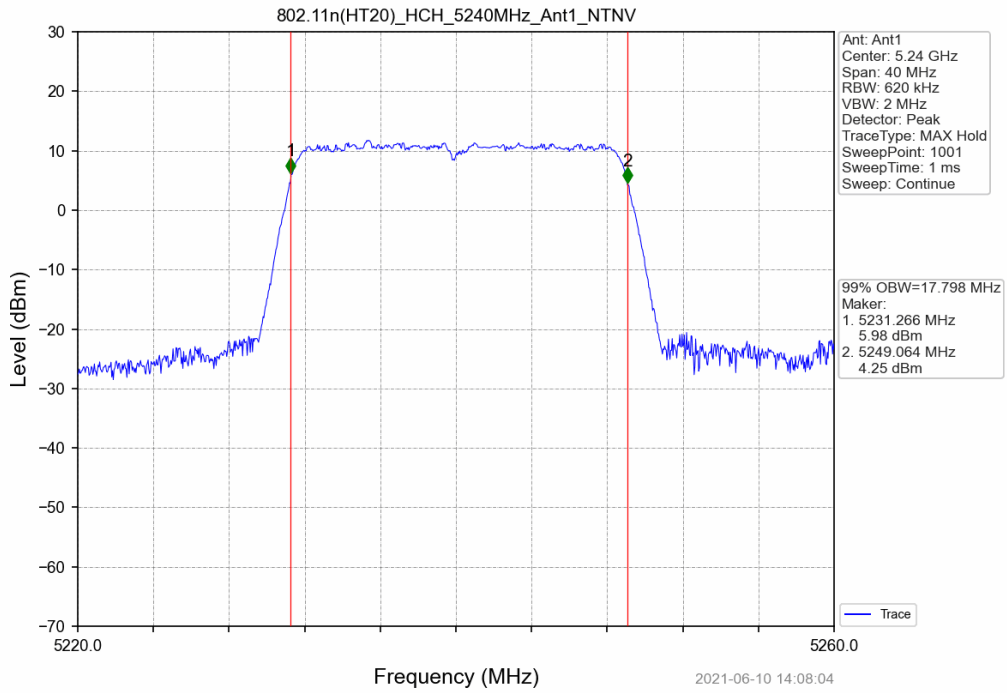

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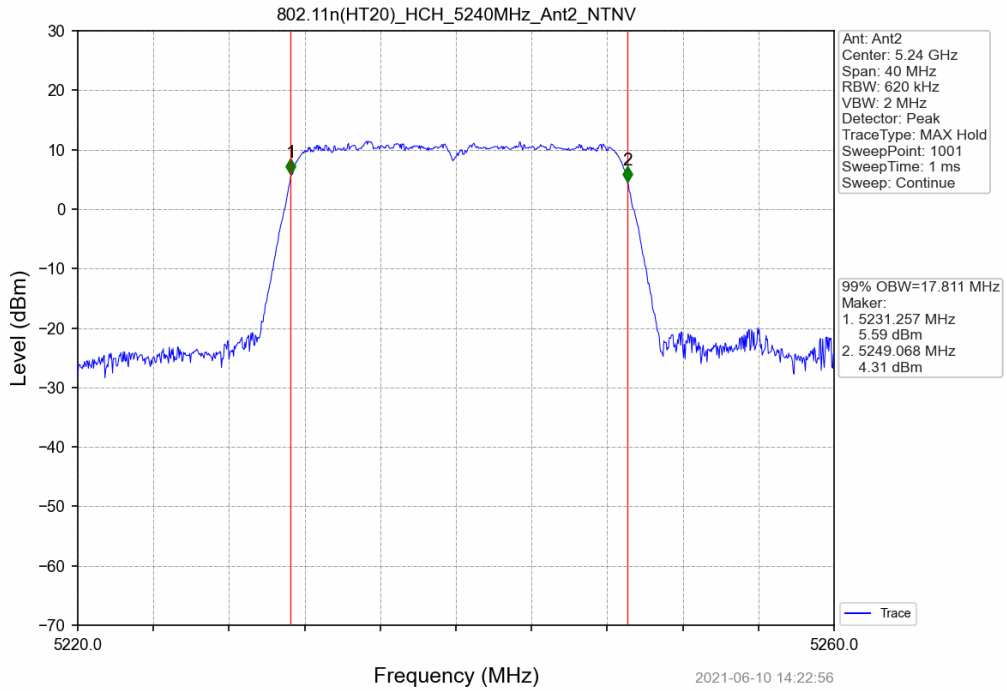

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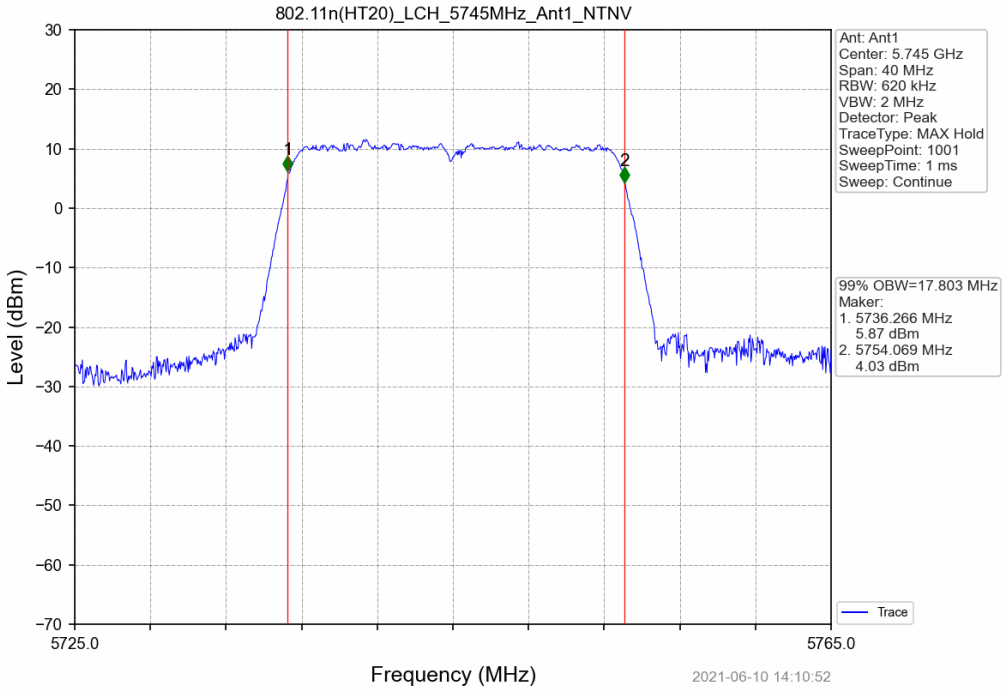

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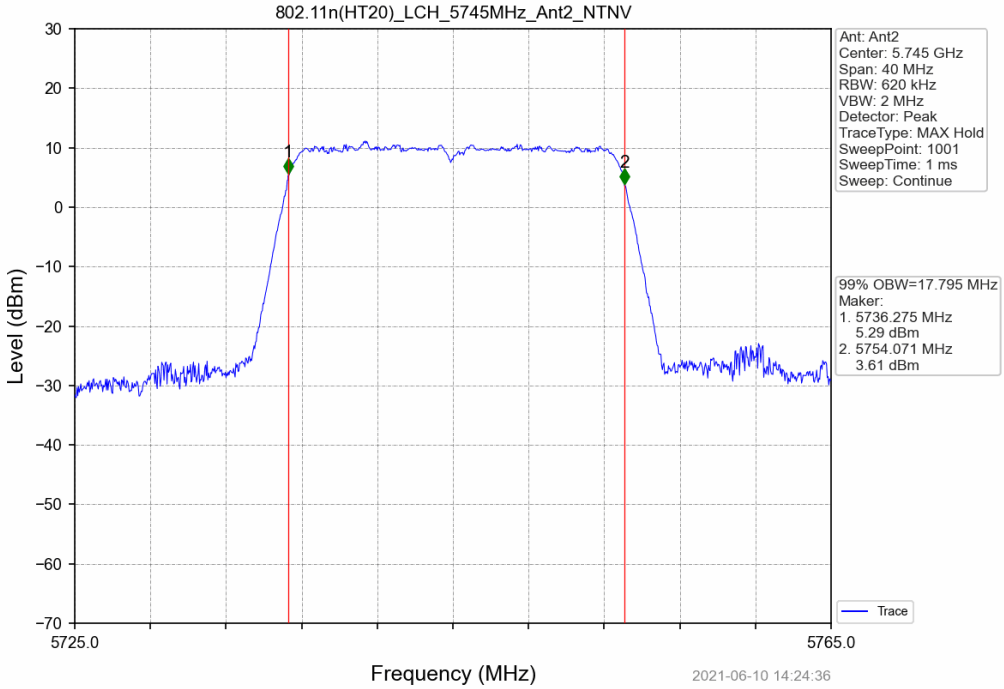

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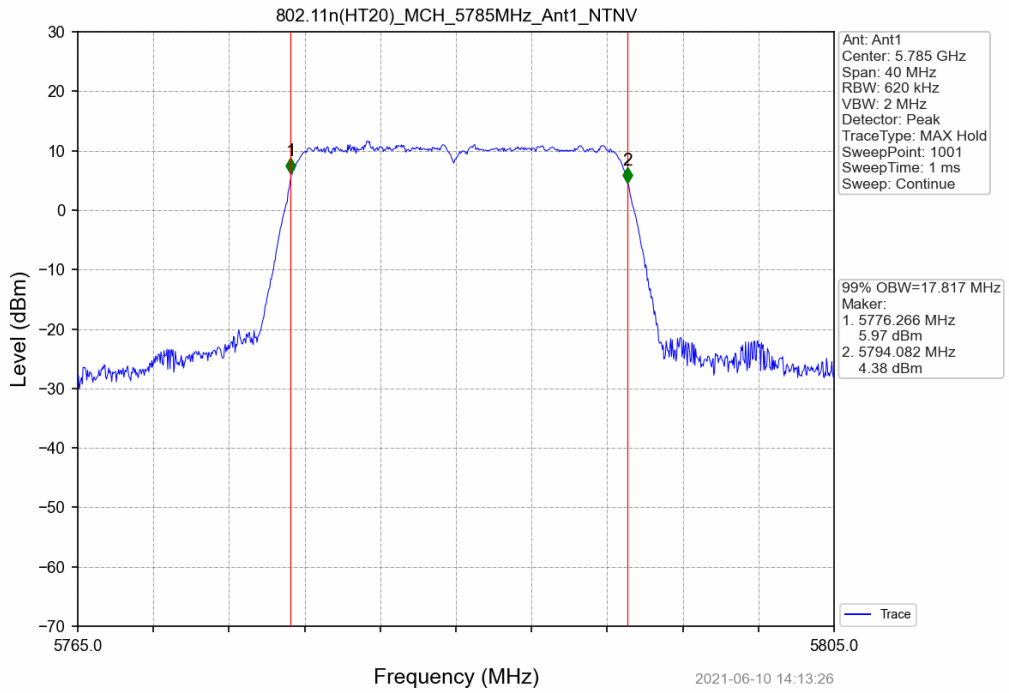

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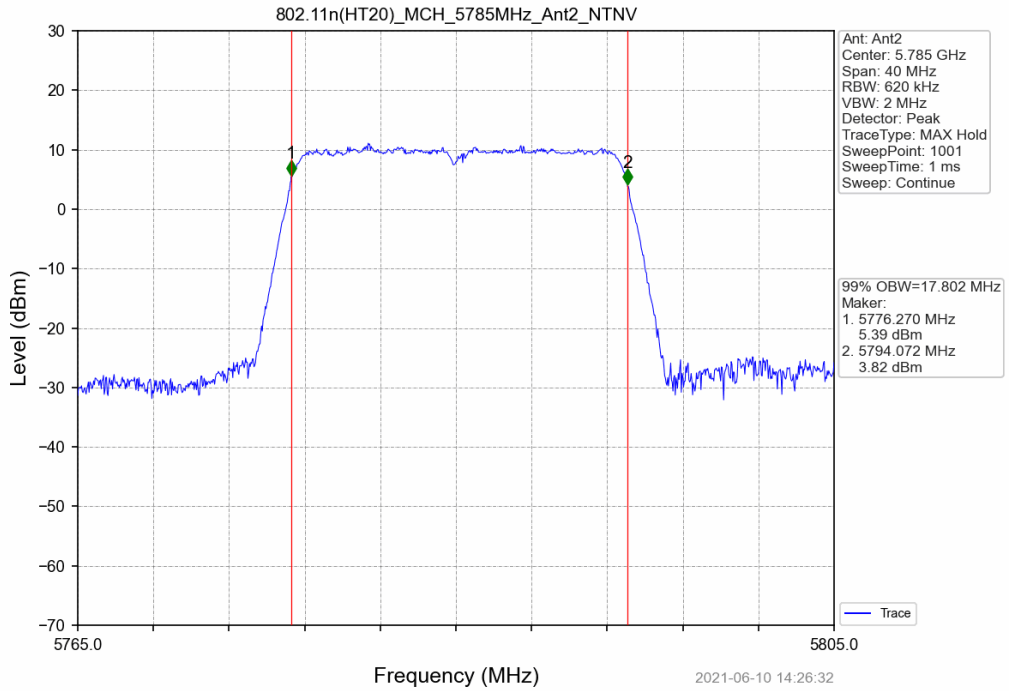

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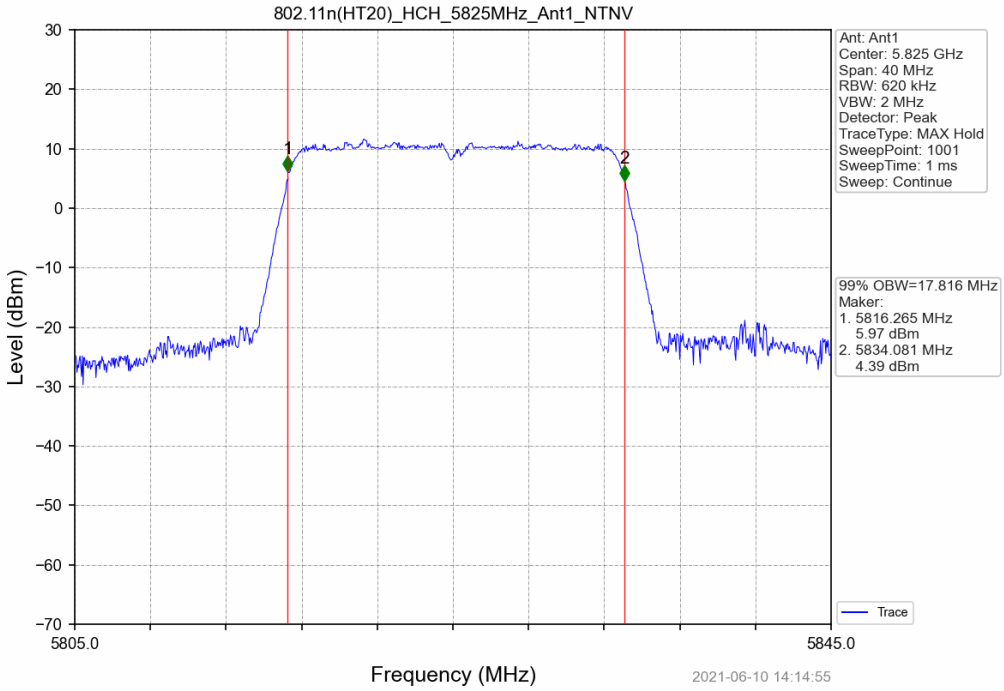

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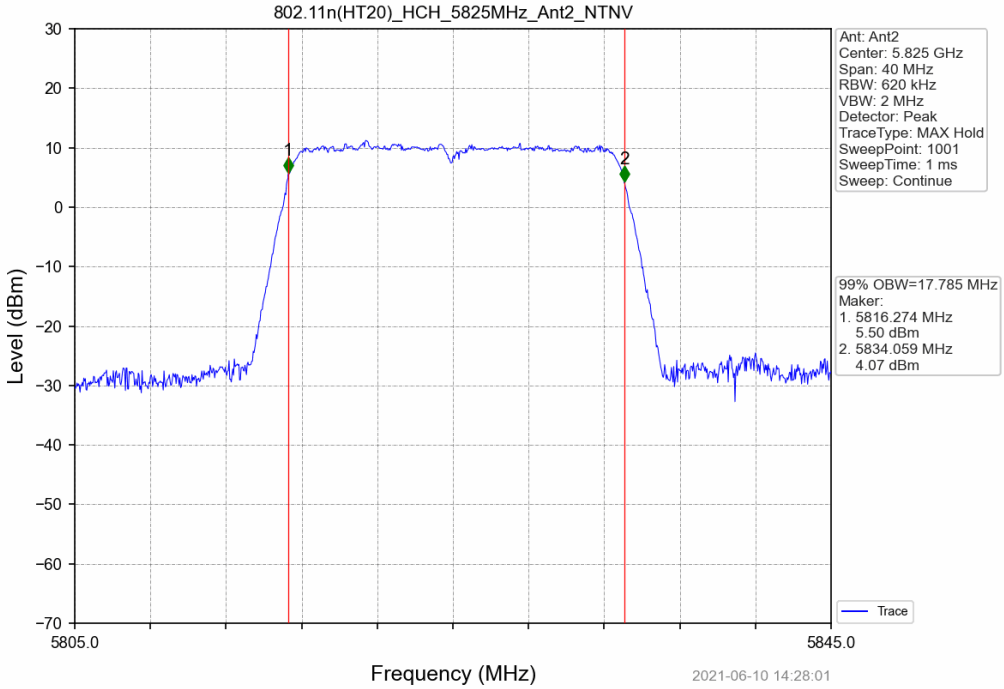

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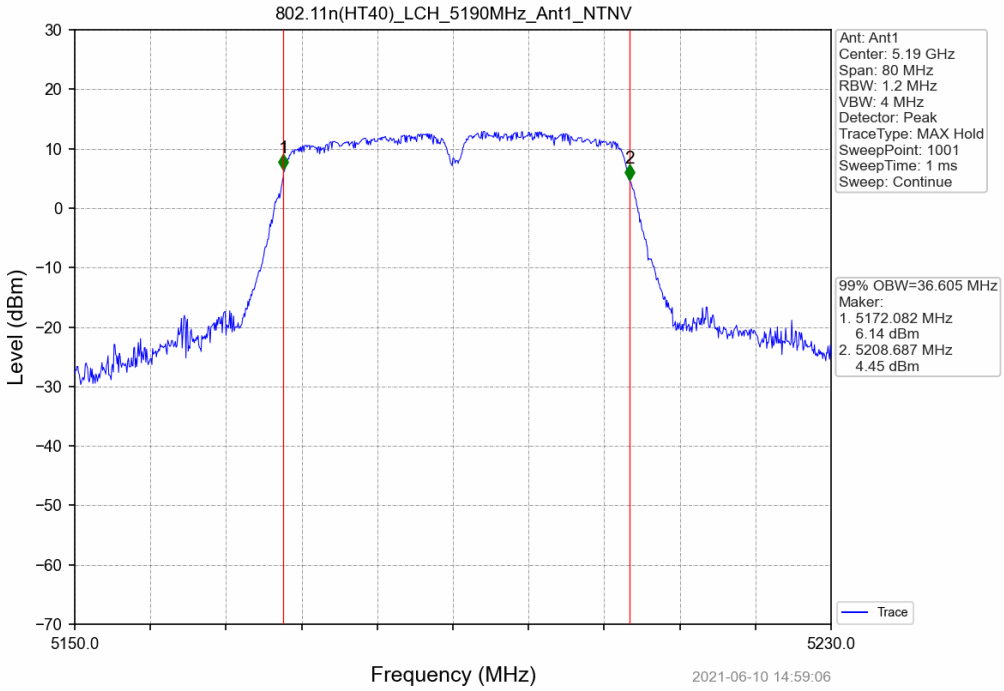

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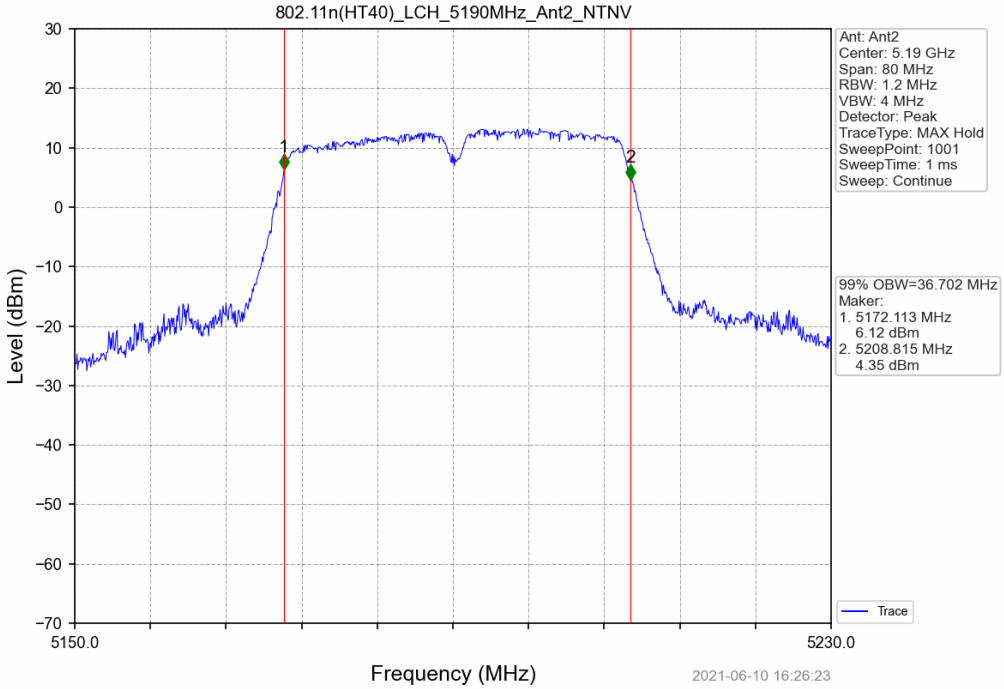
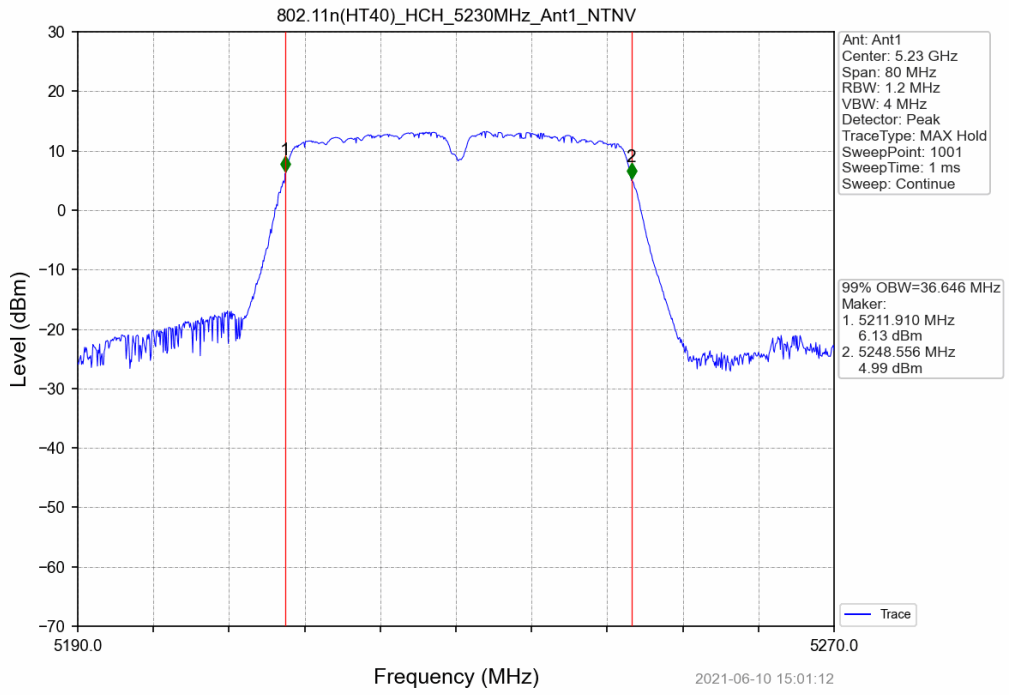


802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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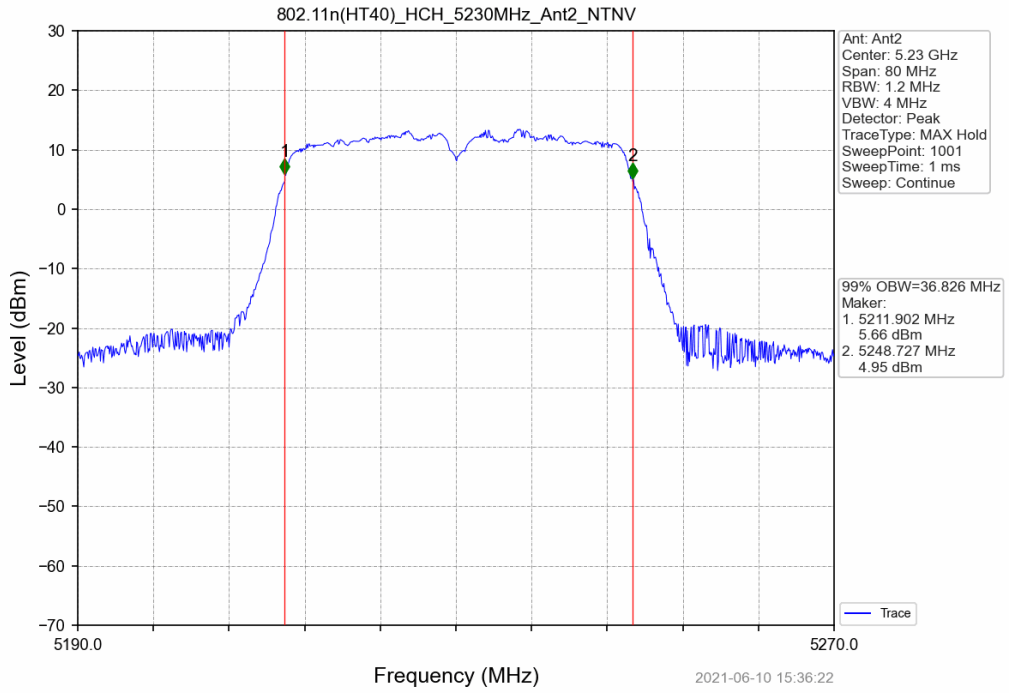

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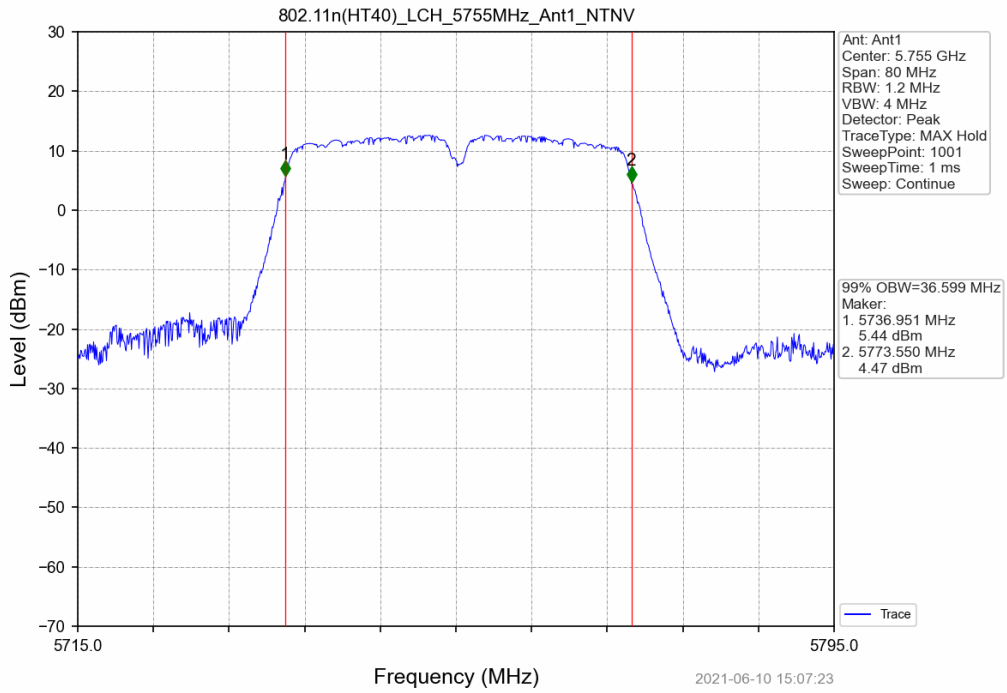

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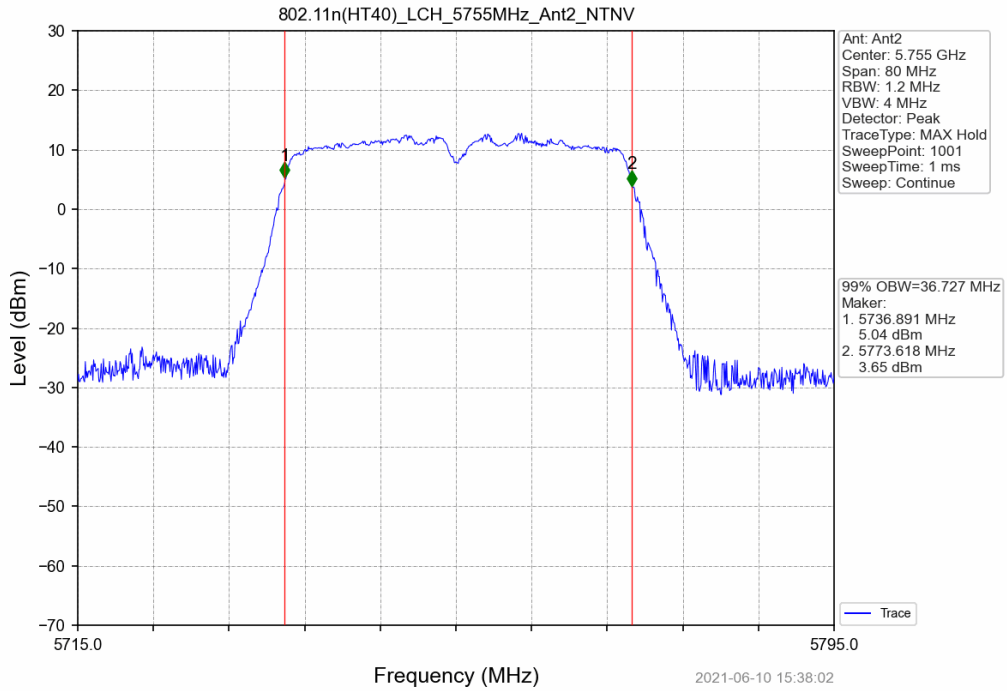

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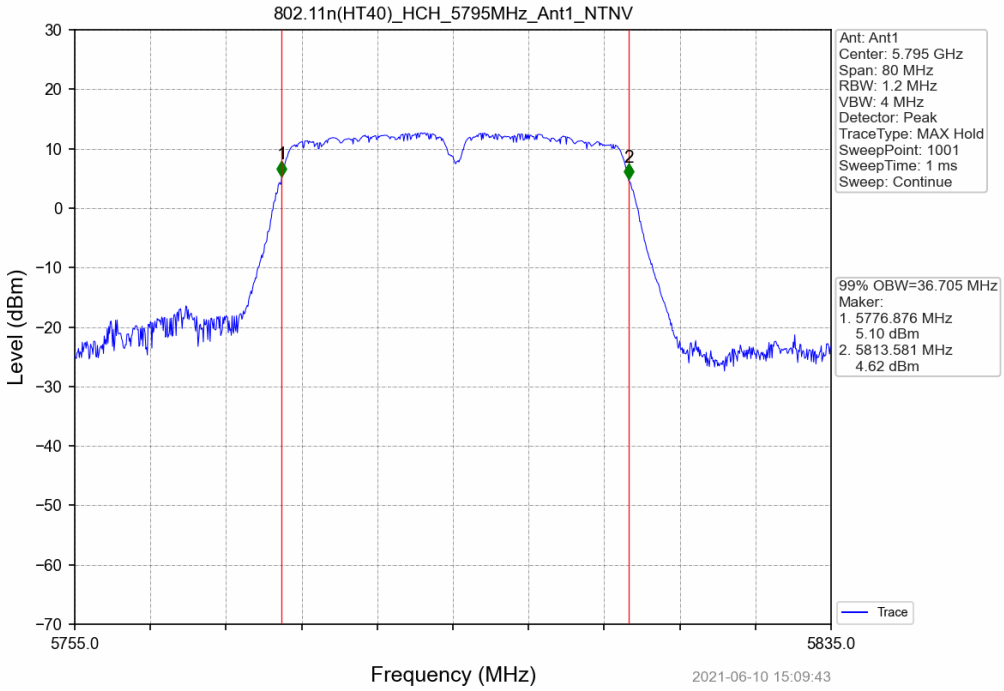

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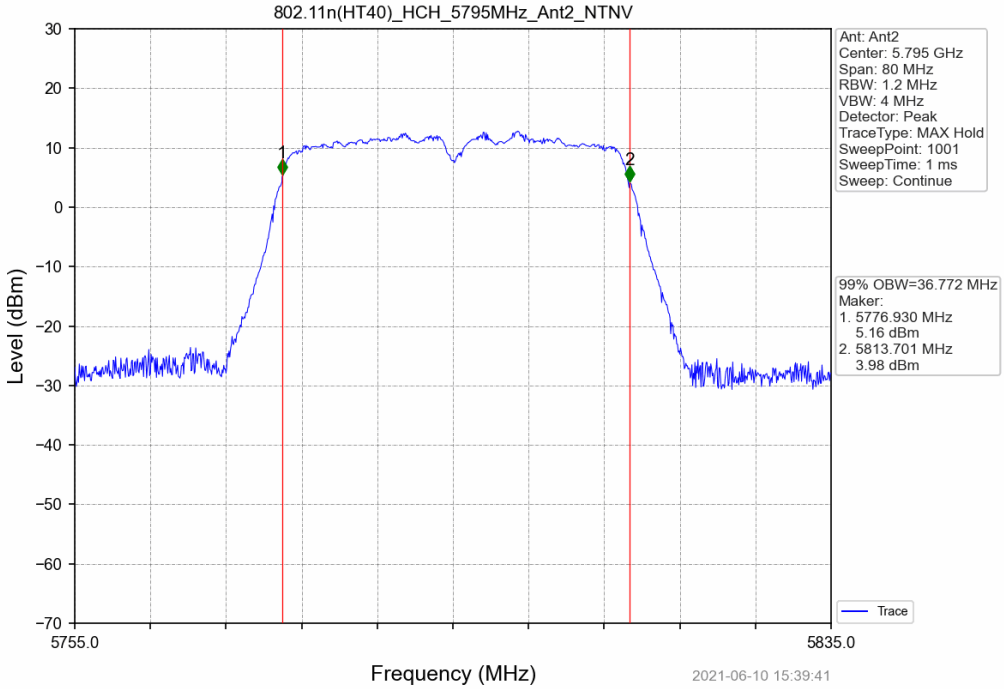
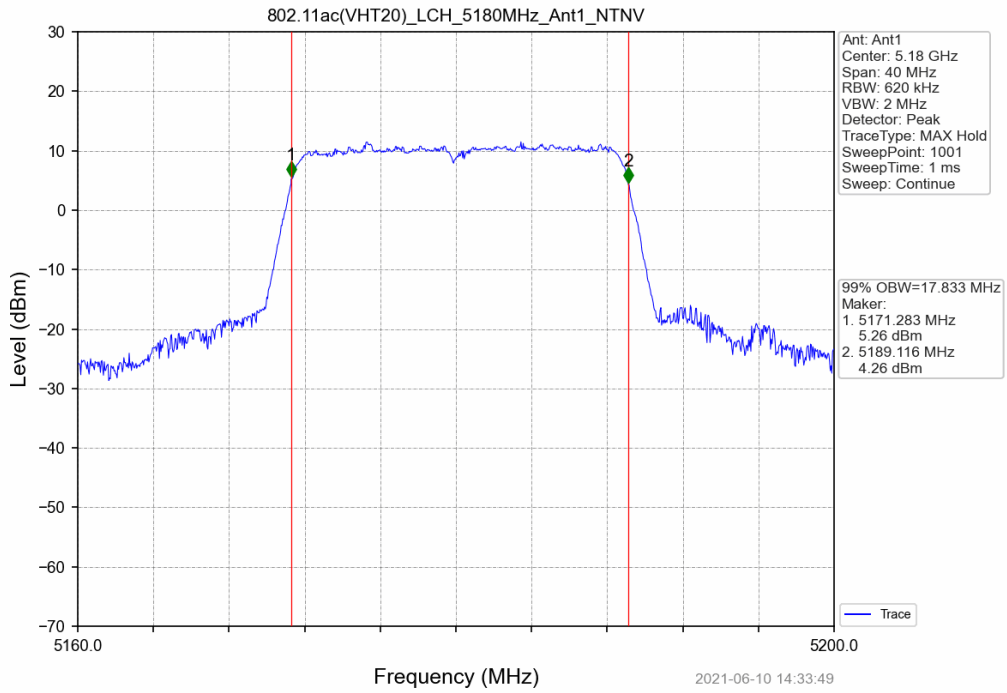


802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



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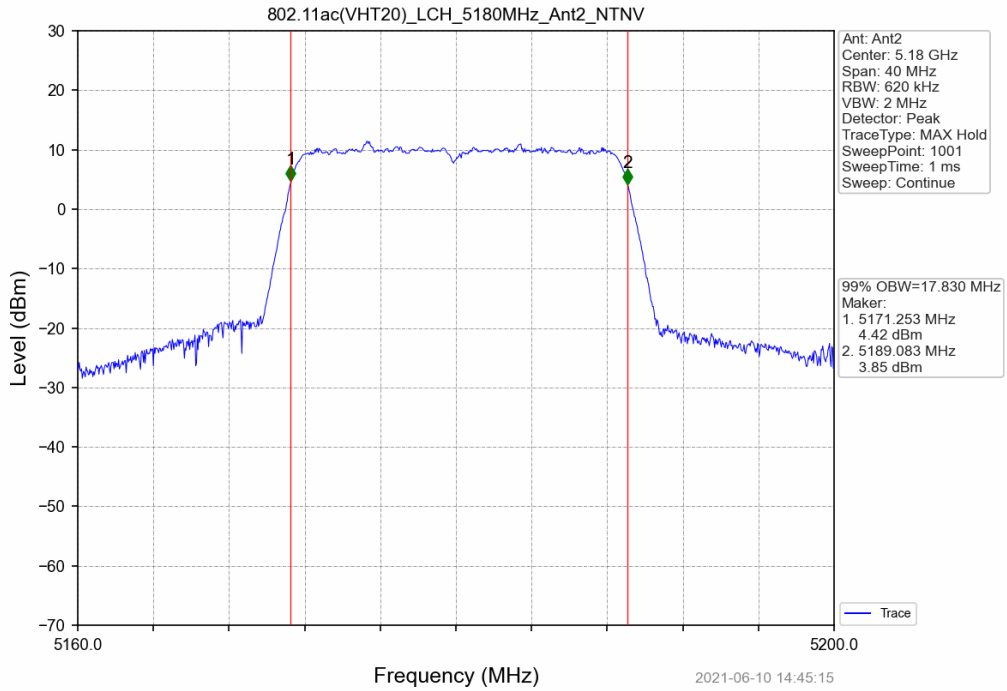

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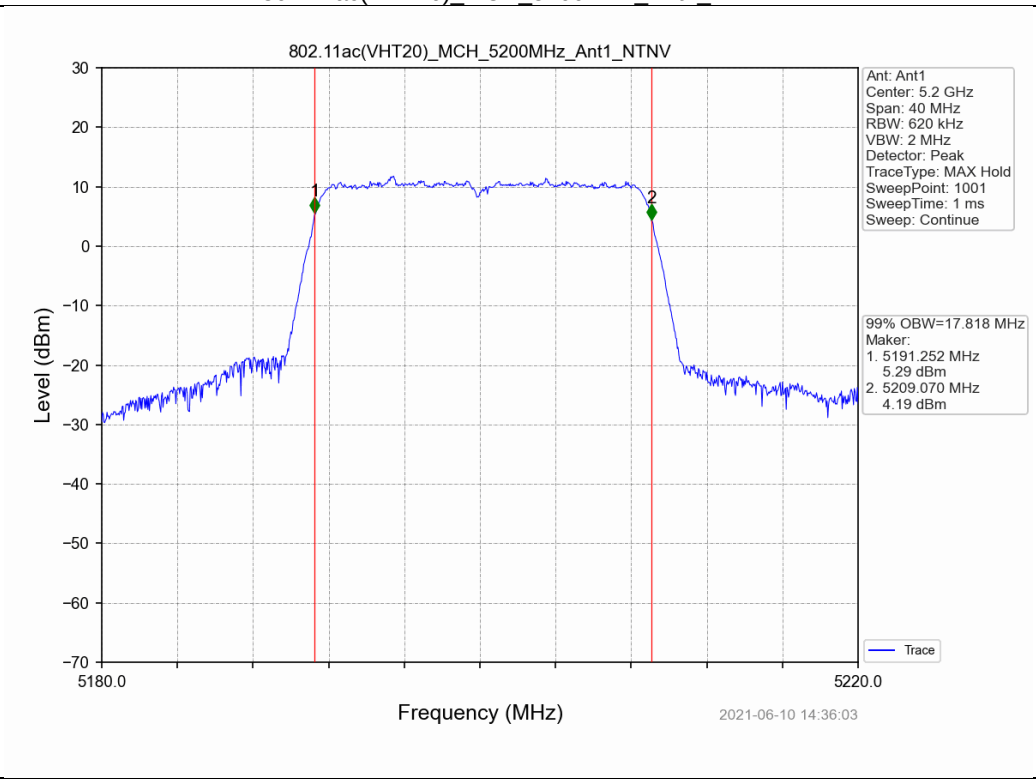

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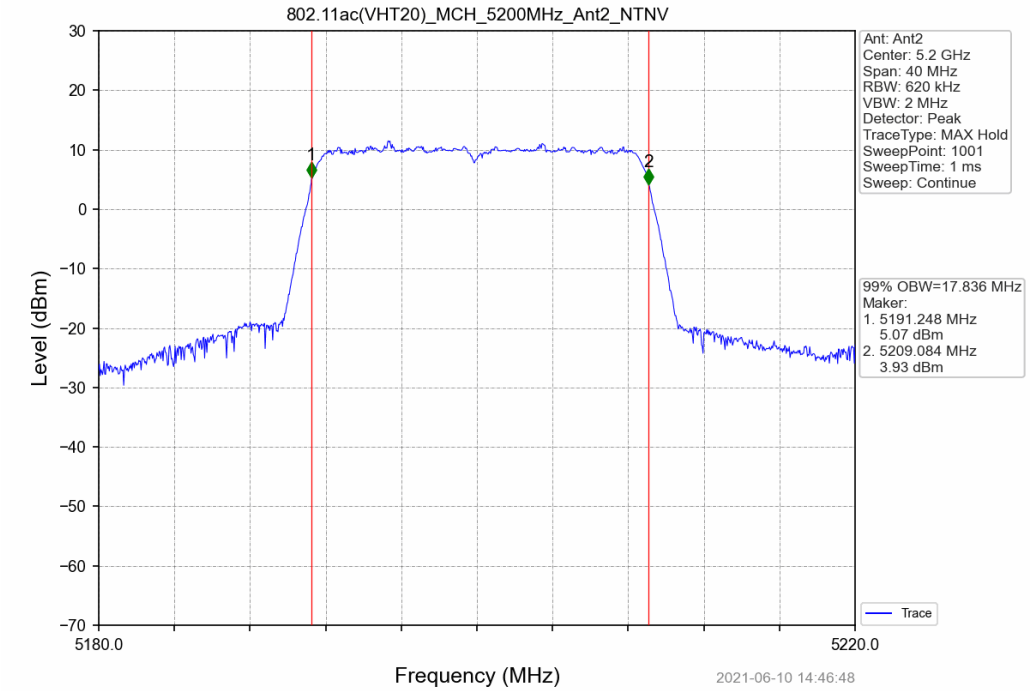

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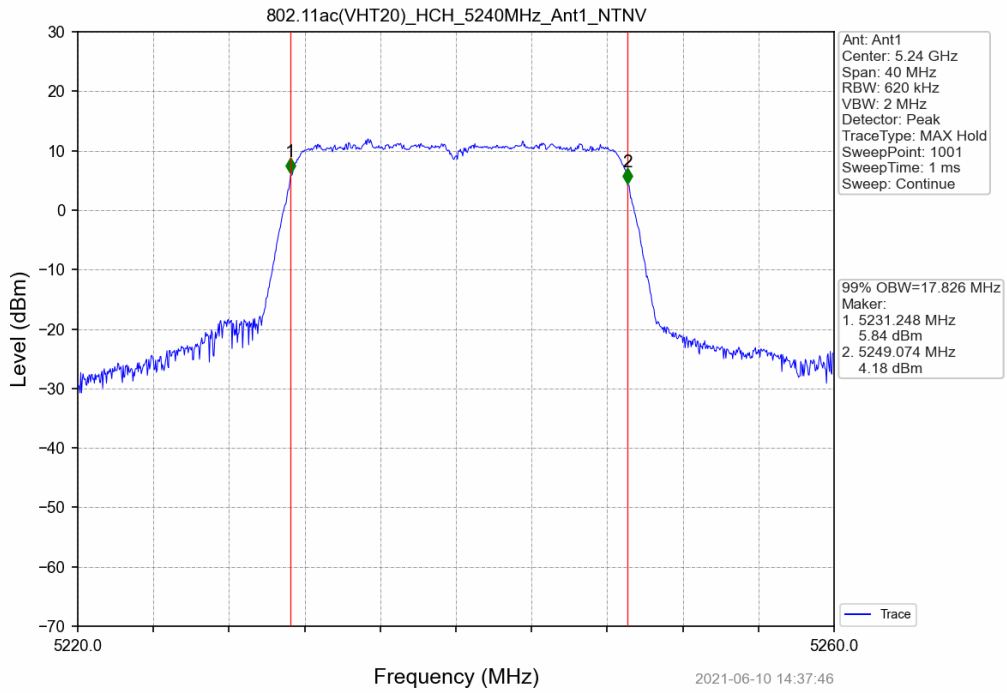

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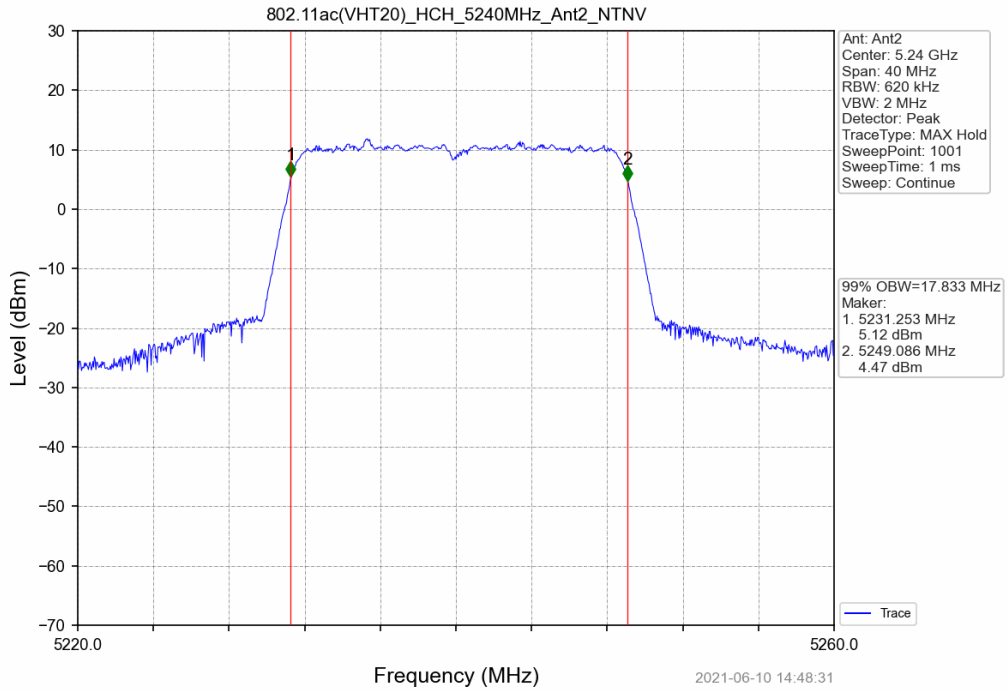

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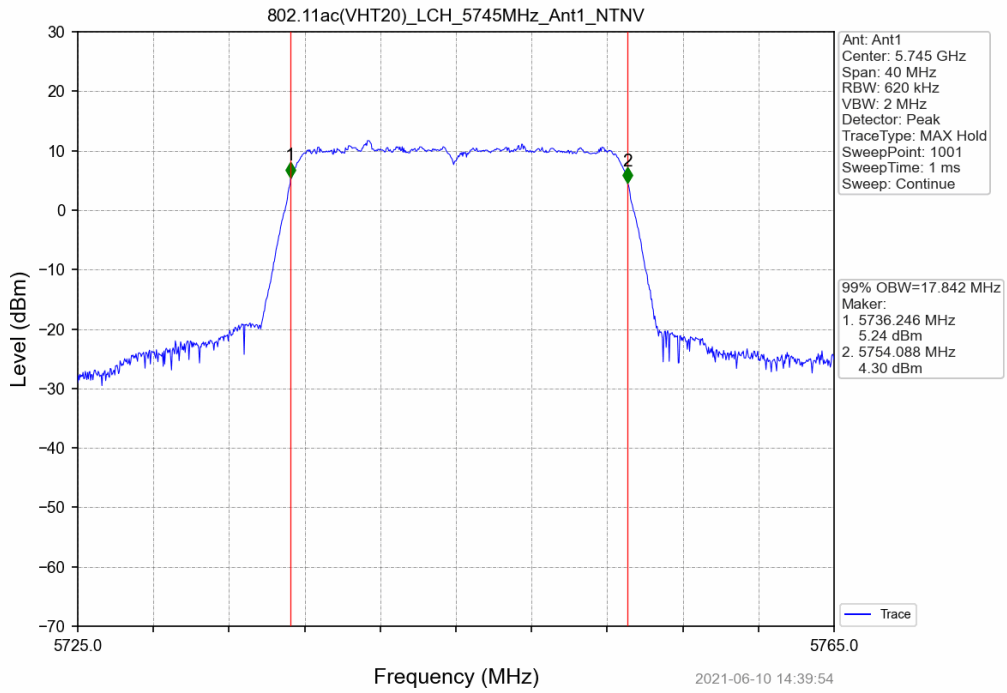

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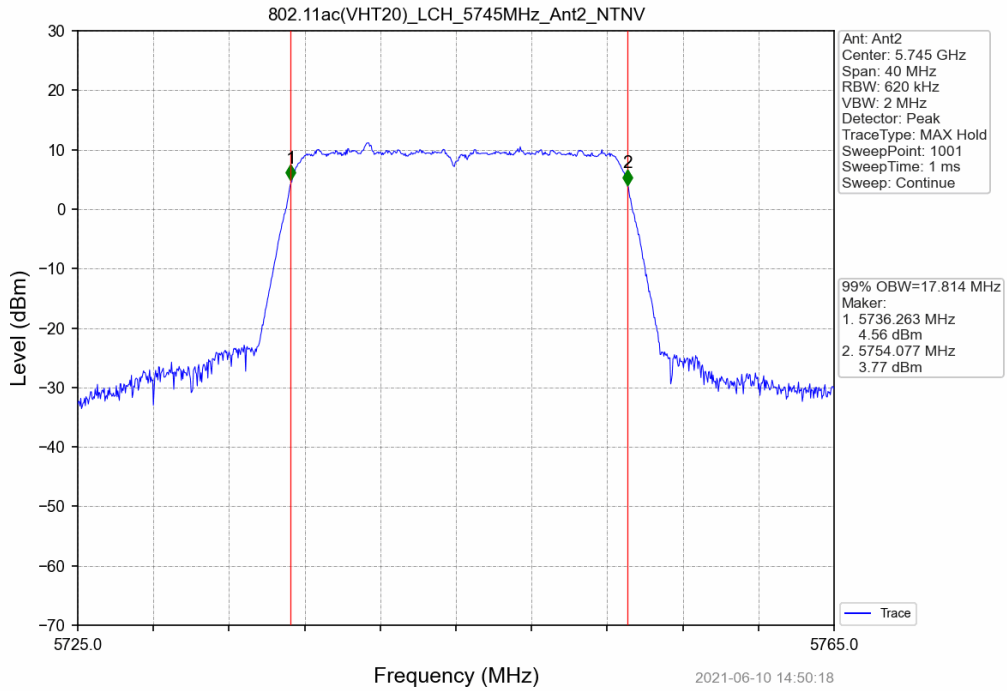

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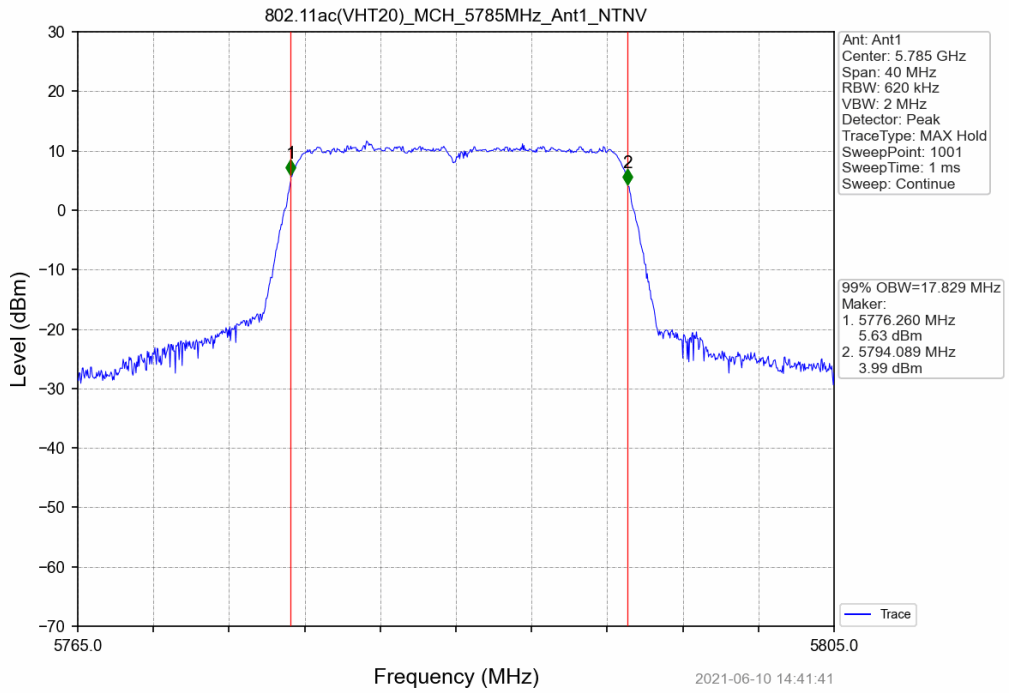

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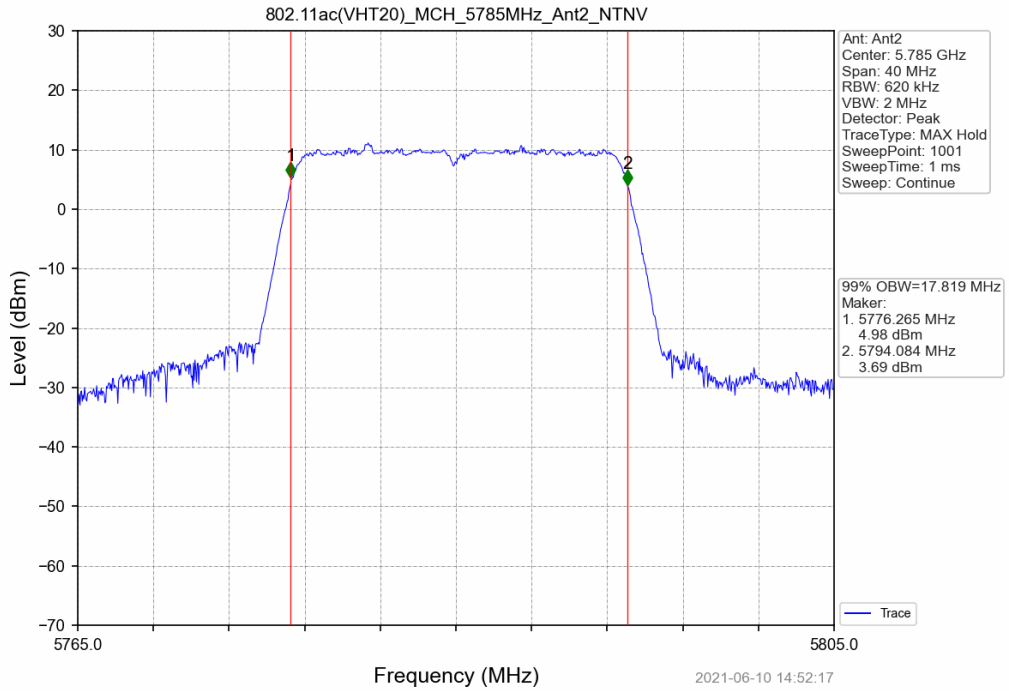

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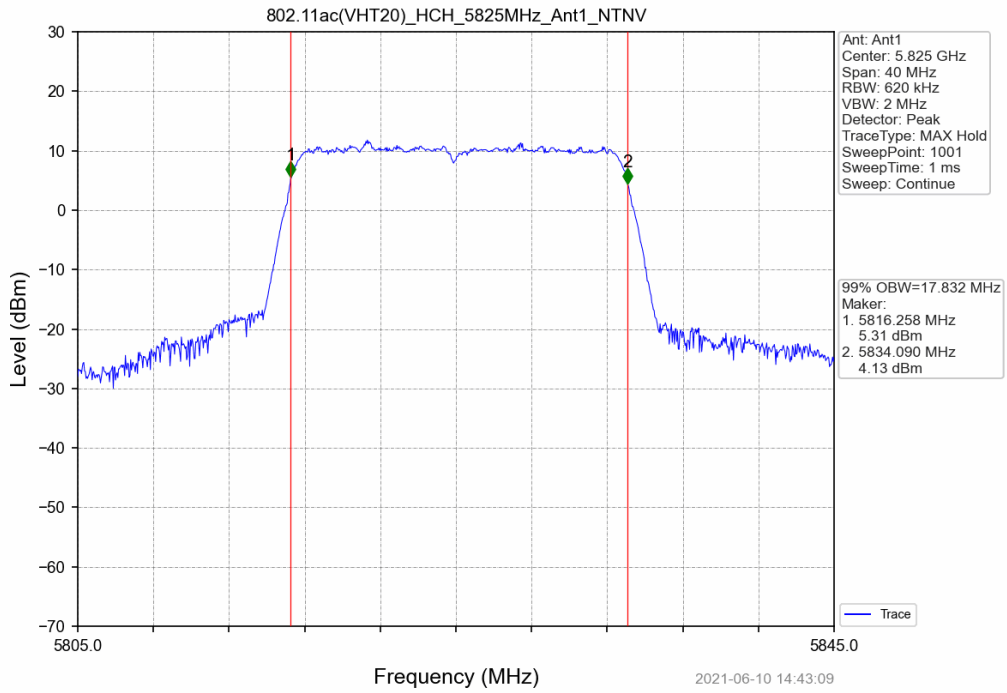

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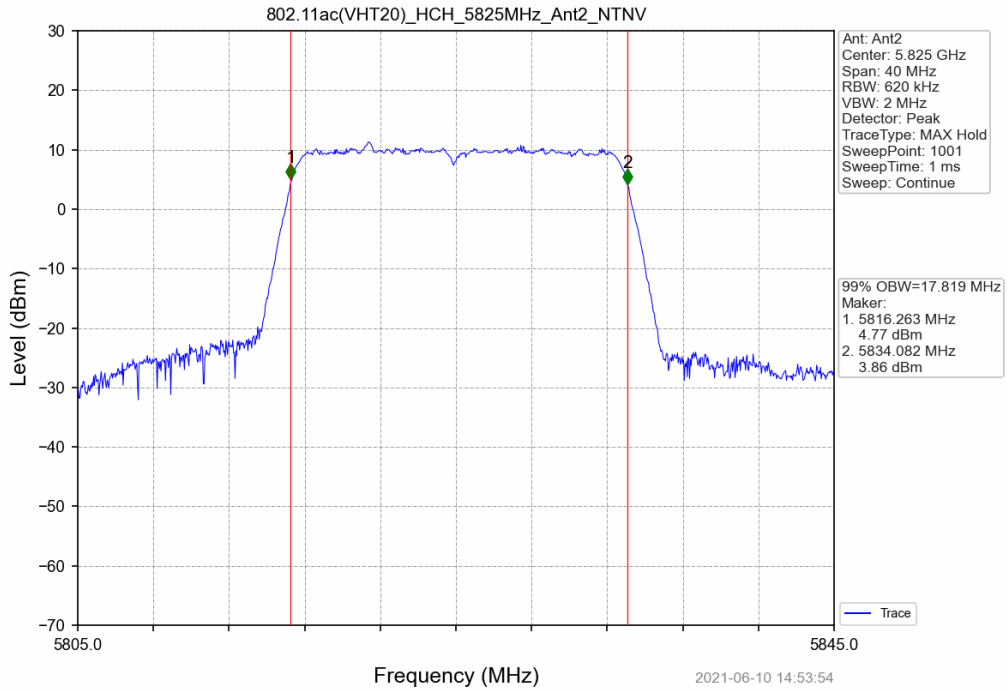
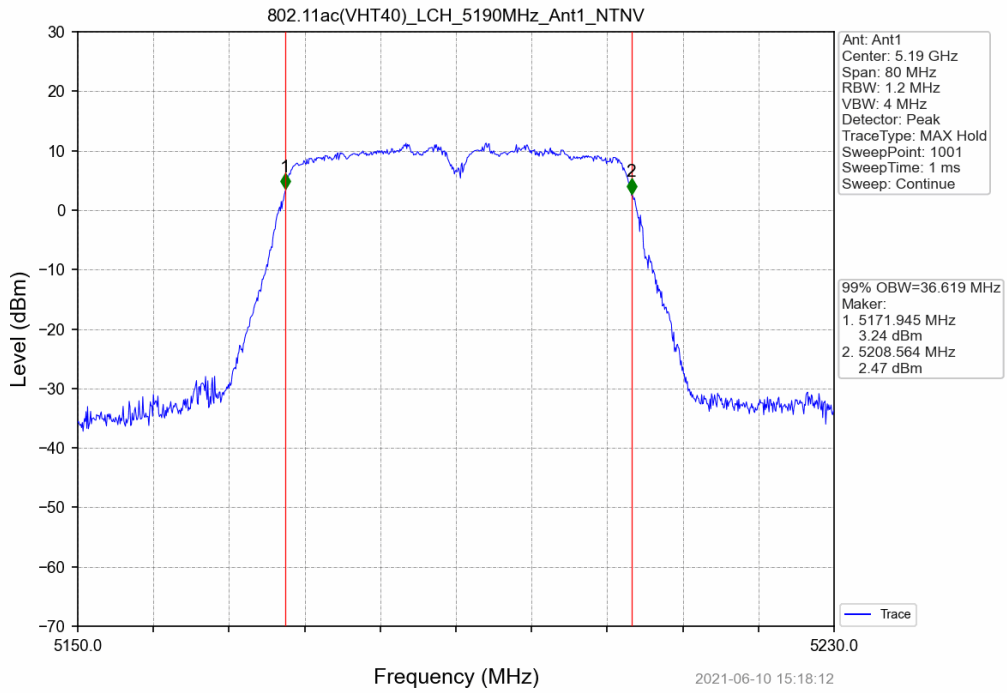


802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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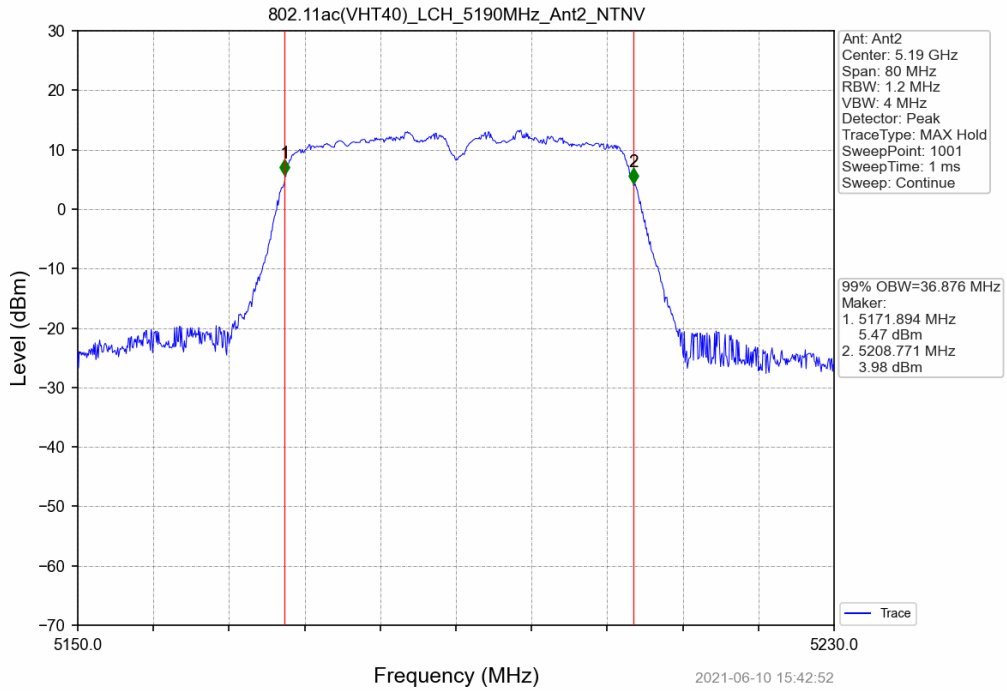

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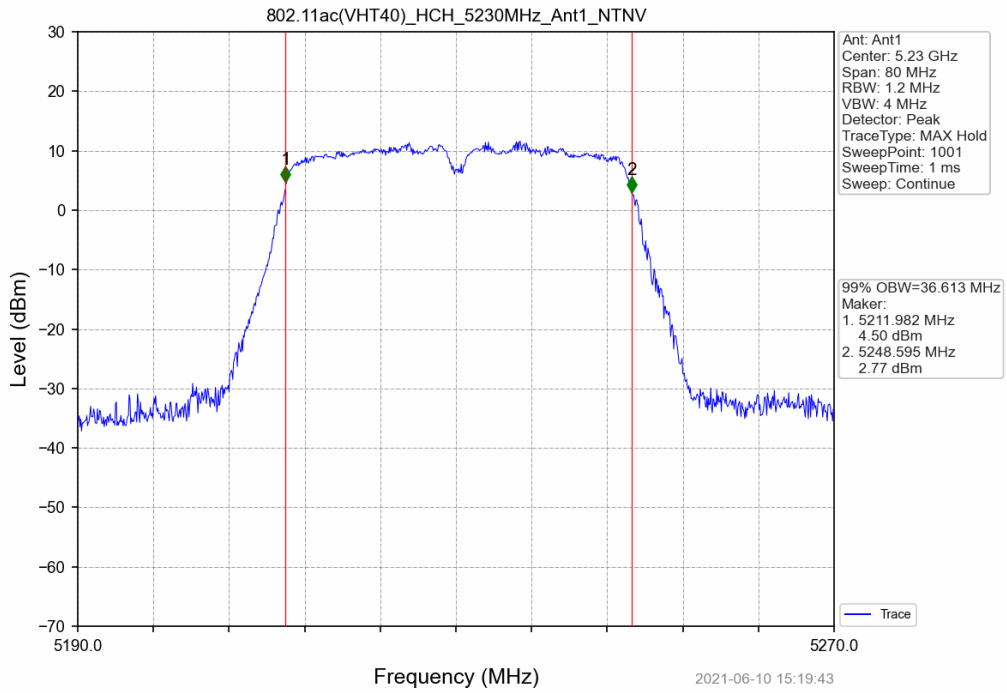

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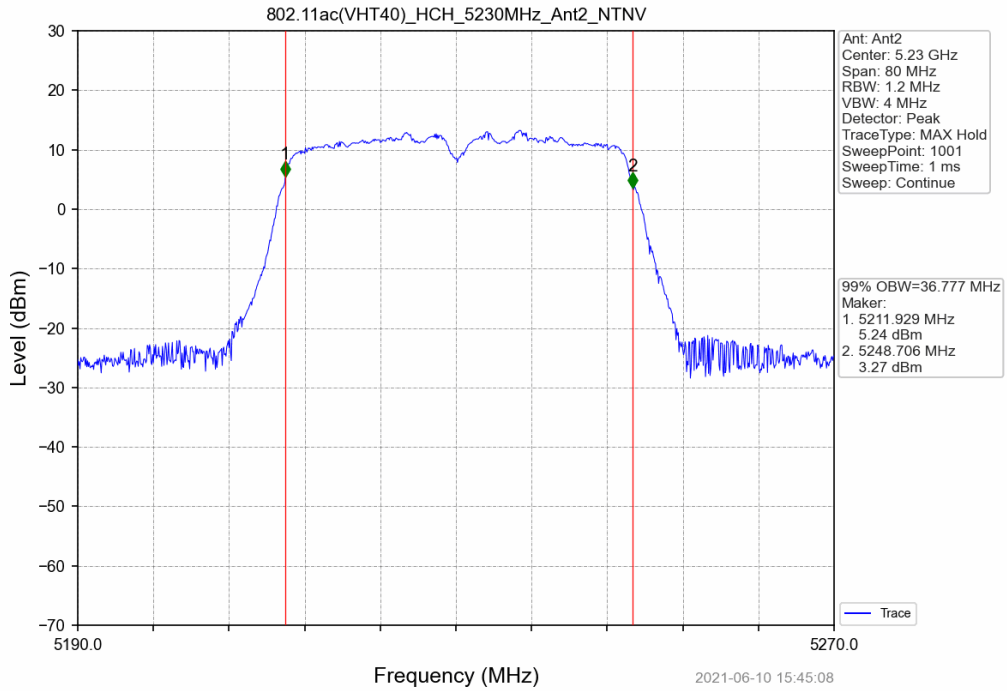

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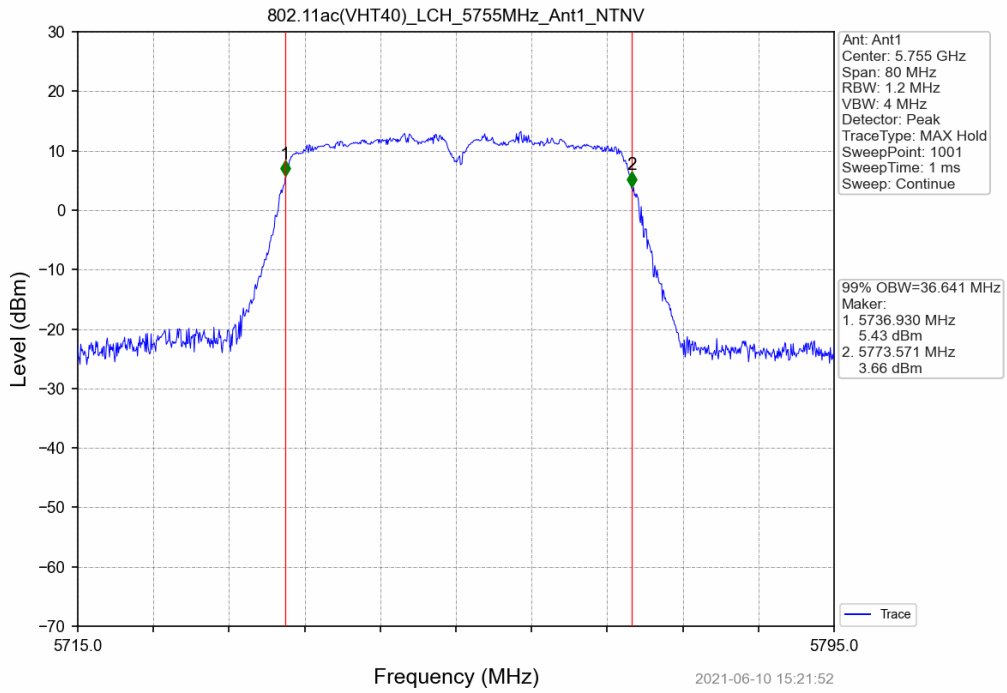

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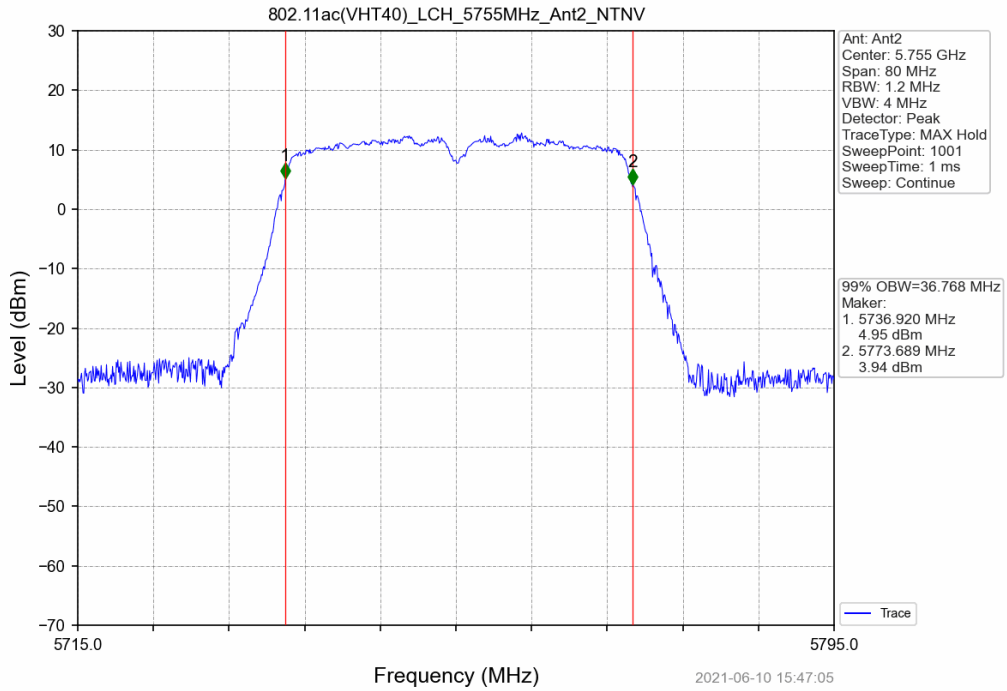

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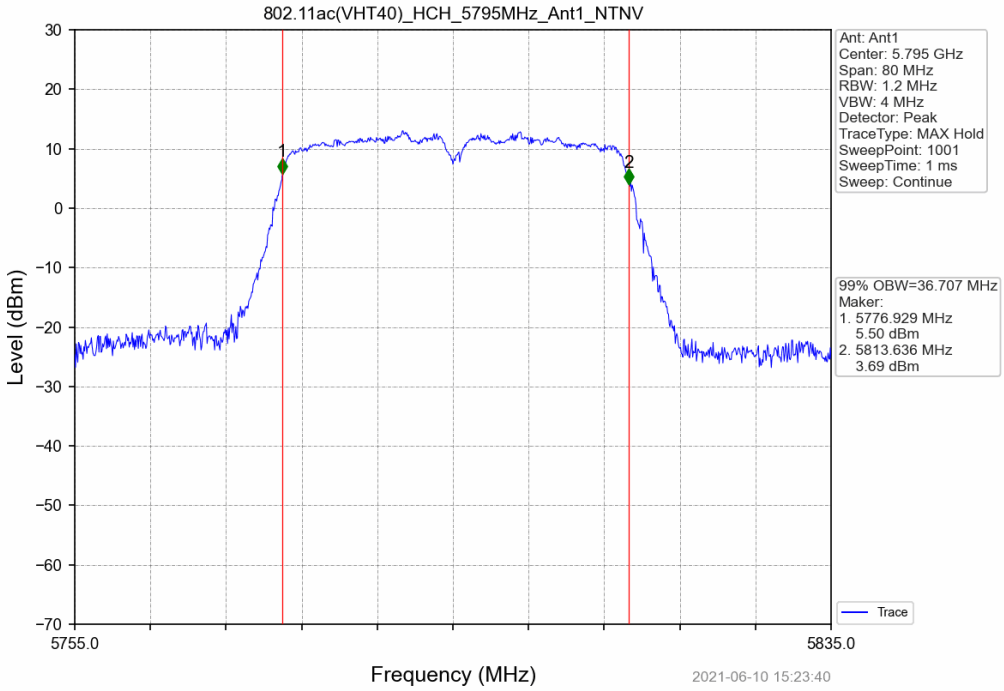

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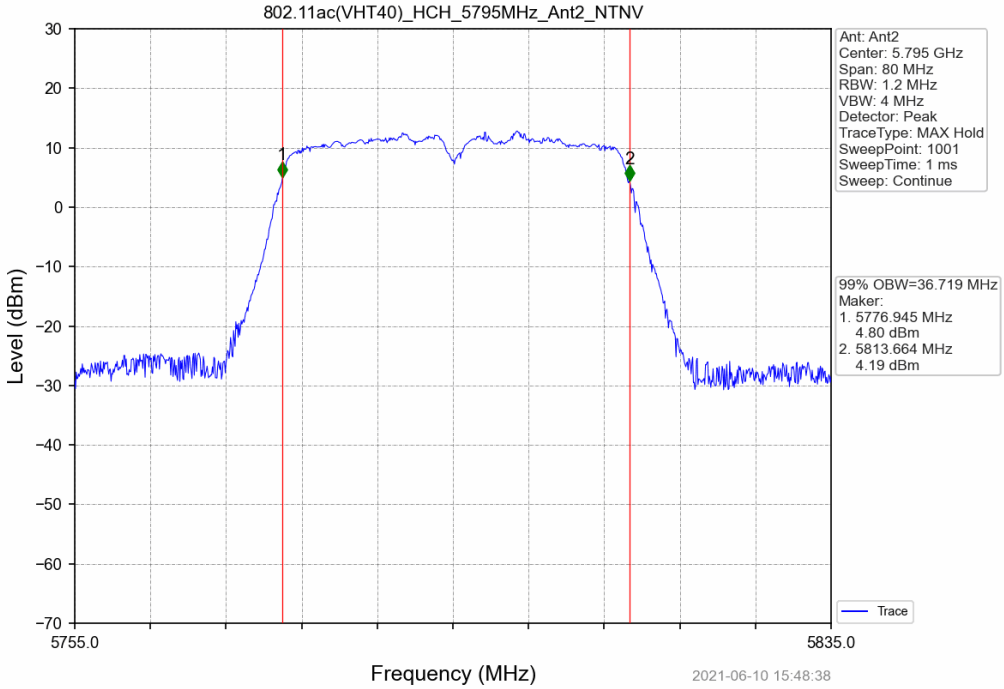

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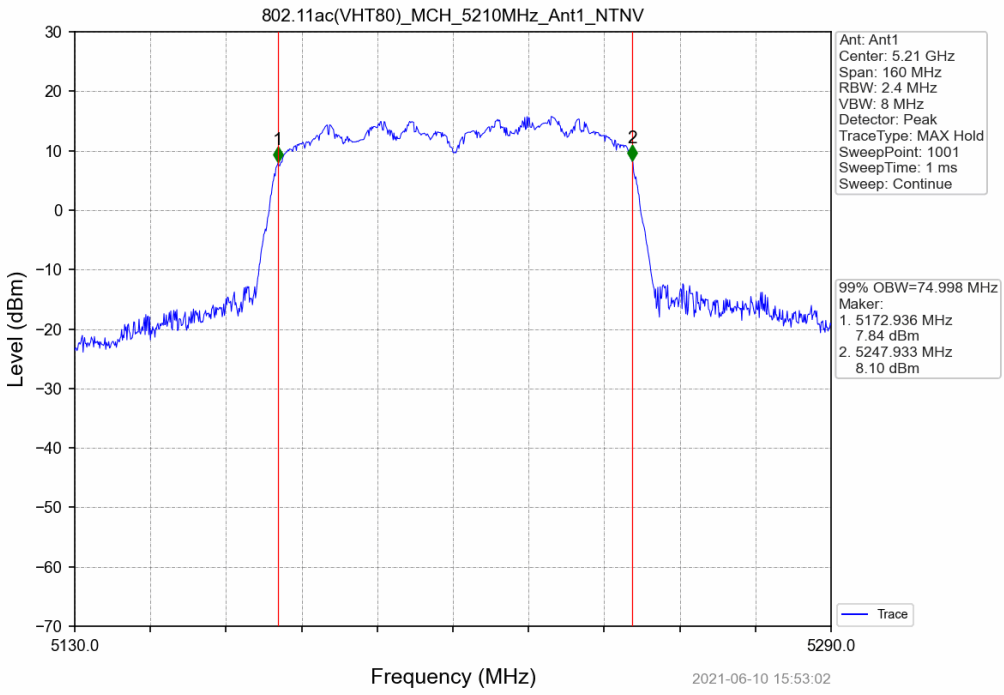

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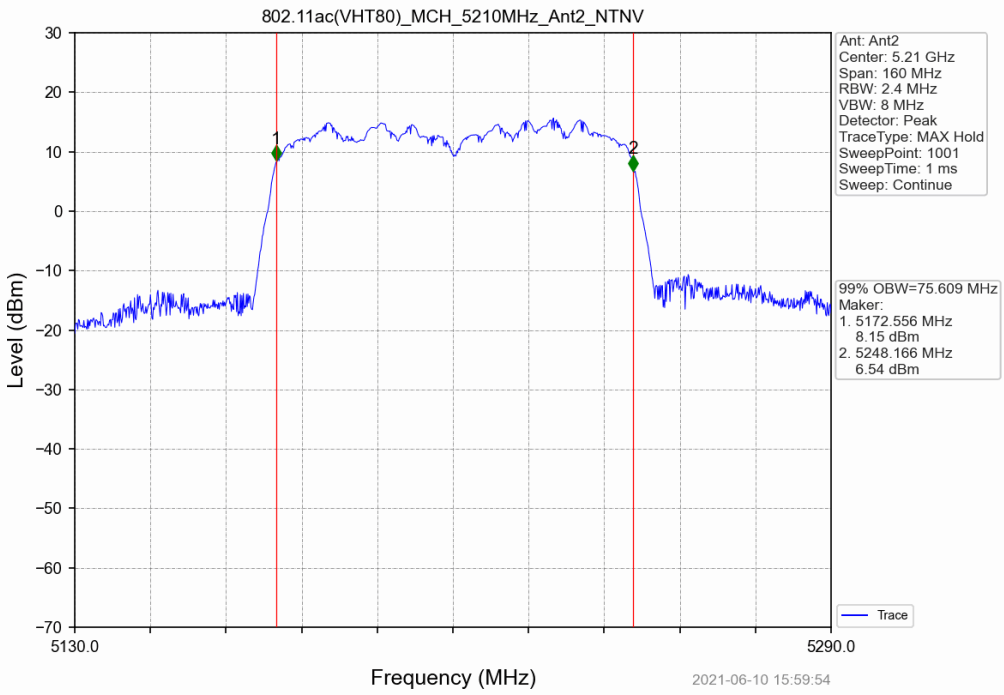

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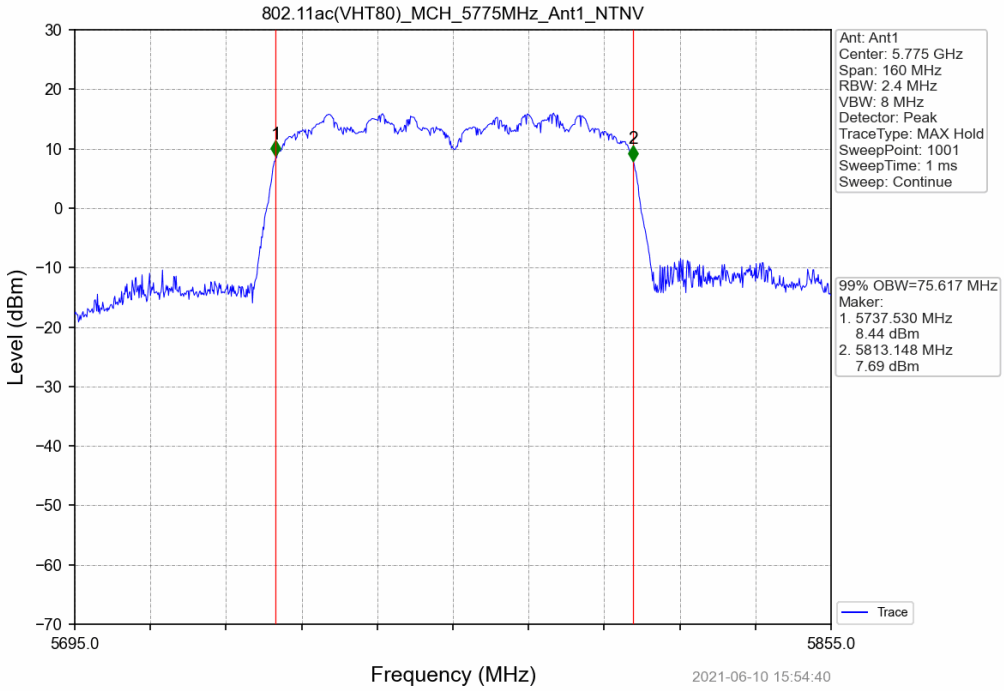

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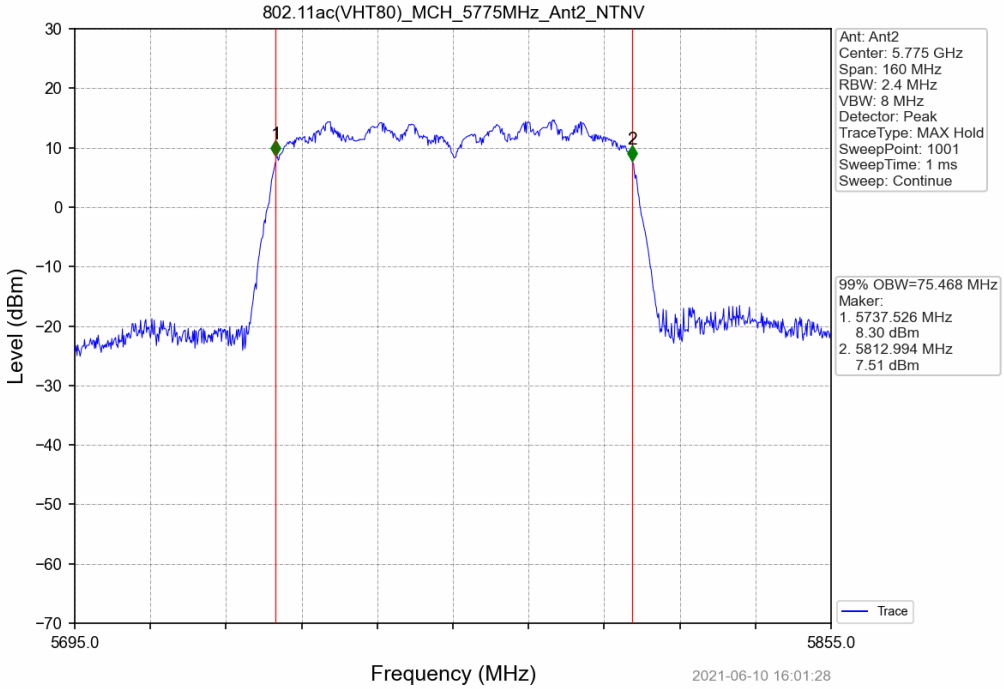


2.2 XDB

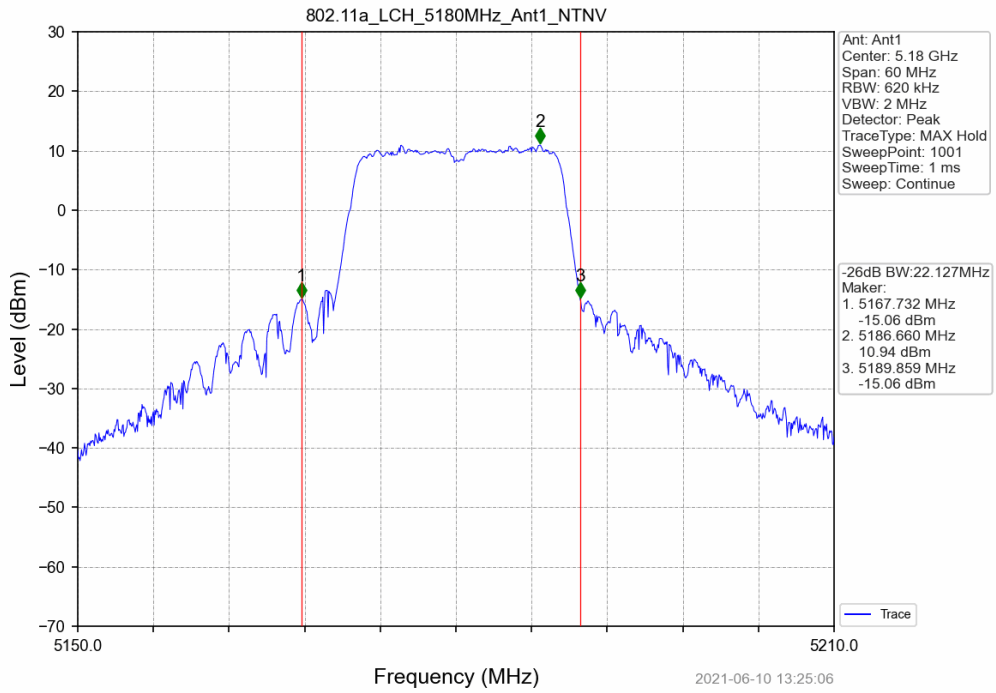
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	26dB Bandwidth (MHz)	Limit	Verdict
802.11a	SISO	5180	/	/	1	22.13	/	Note1
					2	24.43	/	Note1
		5200	/	/	1	19.44	/	Note1
					2	24.39	/	Note1
		5240	/	/	1	20.07	/	Note1
					2	24.40	/	Note1
		5745	/	/	1	16.52	>=0.5	Pass
					2	16.52	>=0.5	Pass
		5785	/	/	1	16.53	>=0.5	Pass
					2	16.53	>=0.5	Pass
		5825	/	/	1	16.53	>=0.5	Pass
					2	16.52	>=0.5	Pass
802.11n (HT20)	MIMO	5180	/	/	1	20.27	/	Note1
					2	20.29	/	Note1
		5200	/	/	1	20.22	/	Note1
					2	20.27	/	Note1
		5240	/	/	1	20.24	/	Note1
					2	20.29	/	Note1
		5745	/	/	1	17.71	>=0.5	Pass
					2	17.69	>=0.5	Pass
		5785	/	/	1	17.73	>=0.5	Pass
					2	17.71	>=0.5	Pass
		5825	/	/	1	17.66	>=0.5	Pass
					2	17.71	>=0.5	Pass
802.11n (HT40)	MIMO	5190	/	/	1	42.88	/	Note1
					2	42.98	/	Note1
		5230	/	/	1	42.71	/	Note1
					2	42.87	/	Note1
		5755	/	/	1	36.16	>=0.5	Pass
					2	35.91	>=0.5	Pass
		5795	/	/	1	36.16	>=0.5	Pass
					2	35.94	>=0.5	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	20.32	/	Note1
					2	20.25	/	Note1
		5200	/	/	1	20.23	/	Note1
					2	20.26	/	Note1
		5240	/	/	1	20.24	/	Note1
					2	20.31	/	Note1
		5745	/	/	1	17.67	>=0.5	Pass
					2	17.66	>=0.5	Pass
		5785	/	/	1	17.73	>=0.5	Pass
					2	17.66	>=0.5	Pass
		5825	/	/	1	17.71	>=0.5	Pass
					2	17.68	>=0.5	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	42.59	/	Note1
					2	42.91	/	Note1
		5230	/	/	1	42.88	/	Note1
					2	42.90	/	Note1
		5755	/	/	1	35.95	>=0.5	Pass

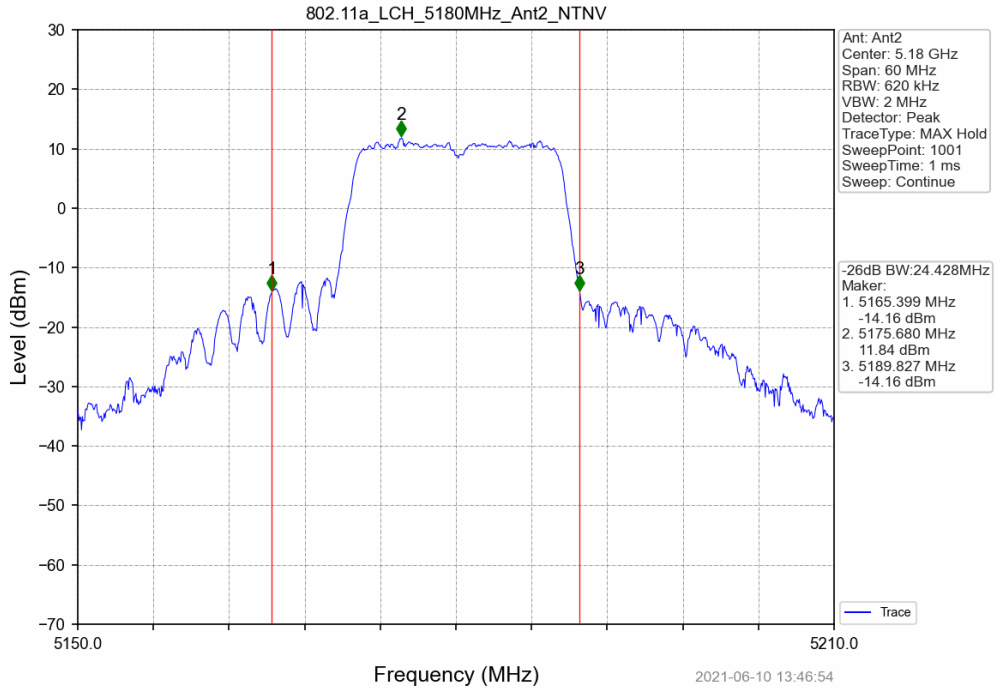
					2	35.89	>=0.5	Pass
		5795	/	/	1	35.89	>=0.5	Pass
					2	35.90	>=0.5	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	82.92	/	Note1
					2	83.48	/	Note1
		5775	/	/	1	72.94	>=0.5	Pass
					2	74.38	>=0.5	Pass
Note1: Only for Report Use								

2.2.2 Test Graph

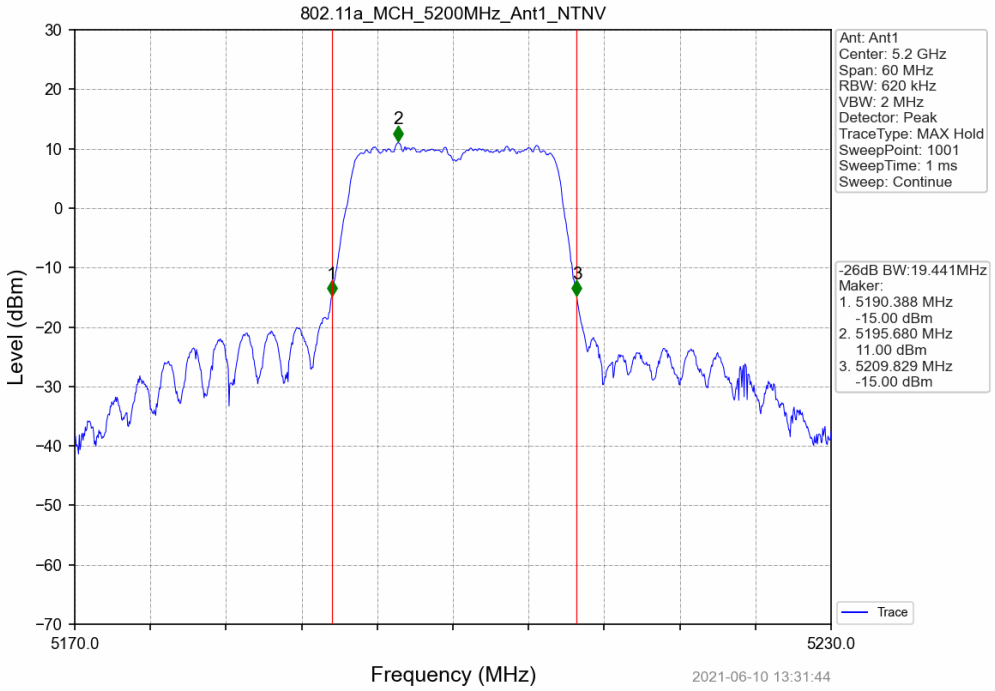
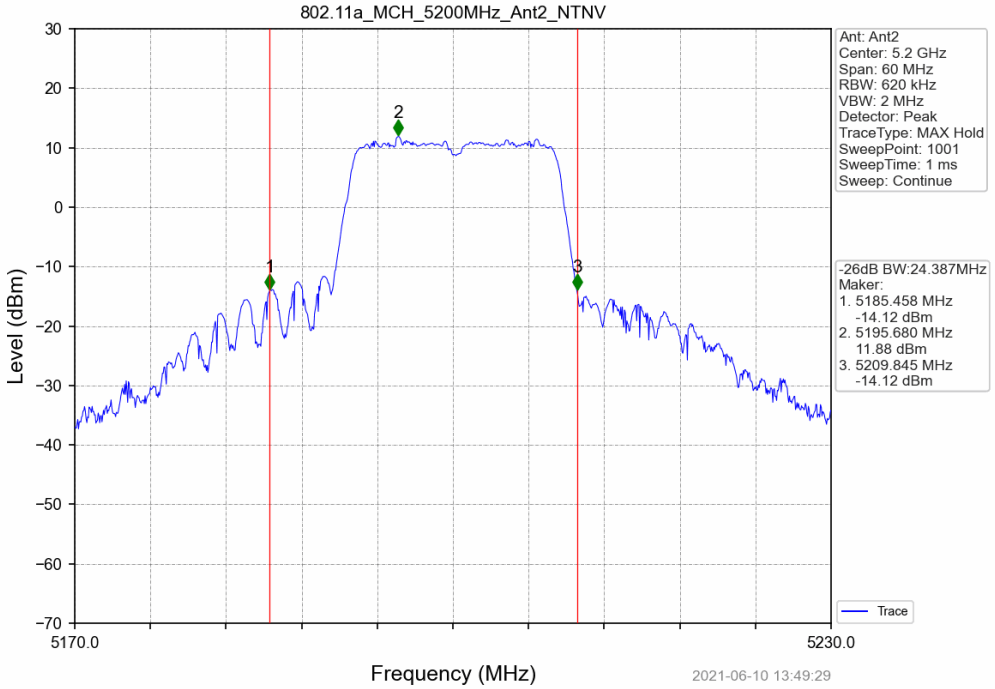
802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_LCH_5180MHz_Ant2_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV