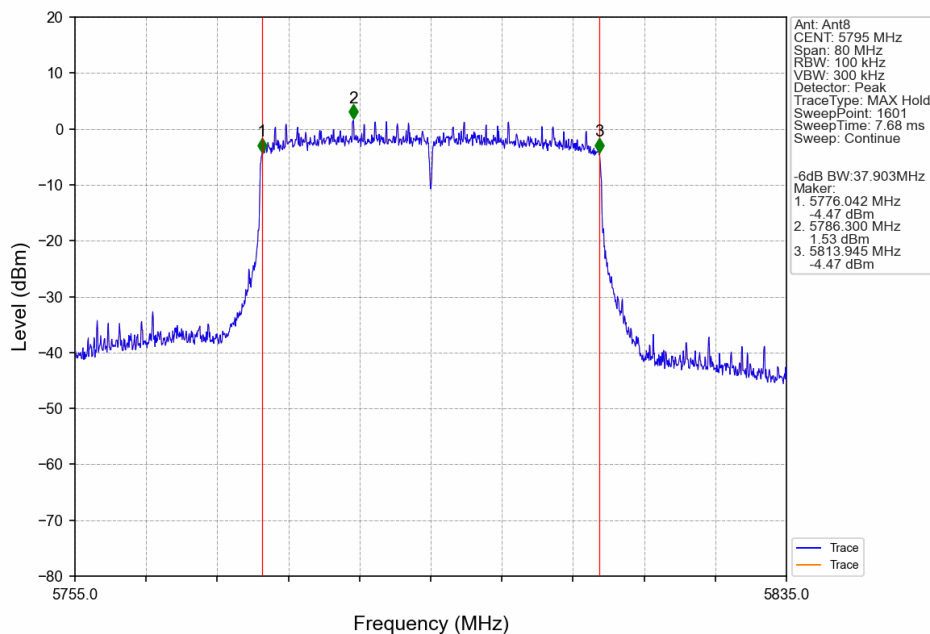
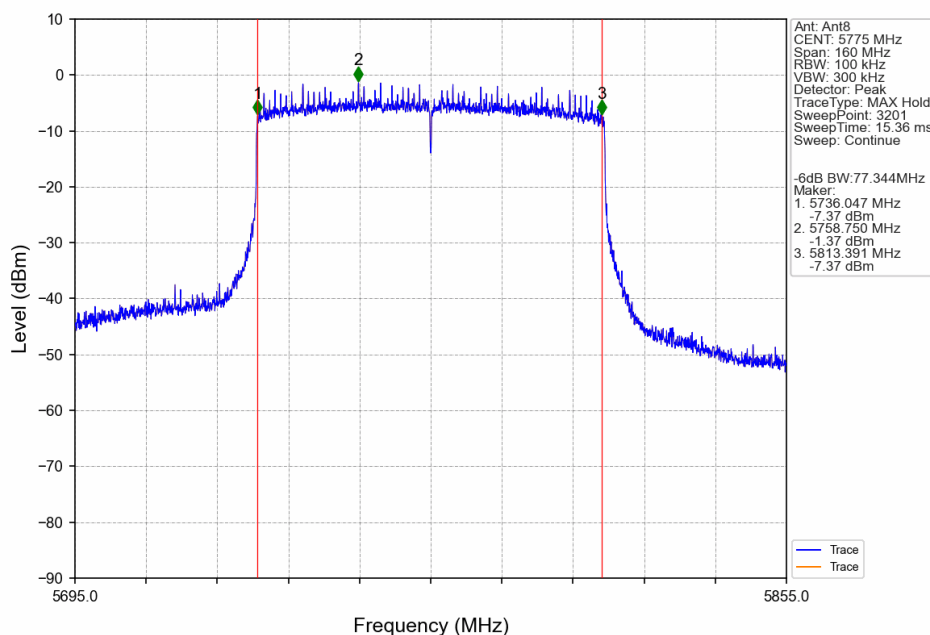


802.11ax(HEW40) HCH 5795MHz SU / Ant8 NTN



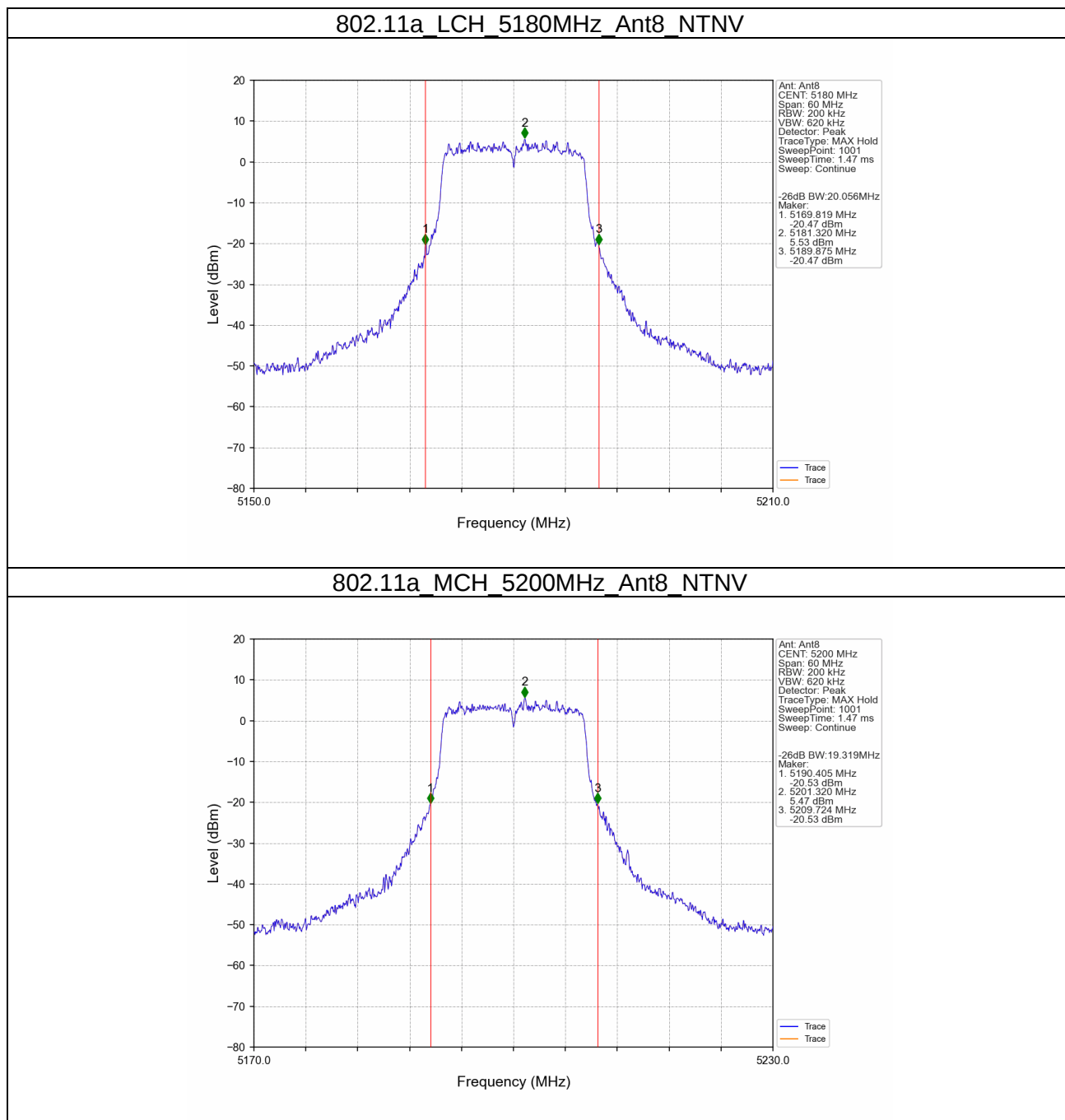
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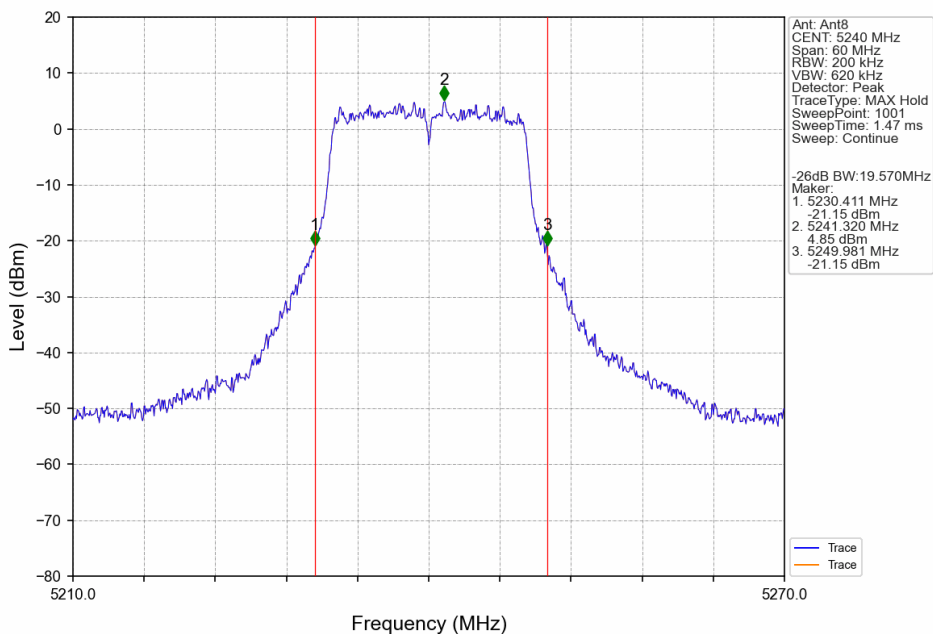
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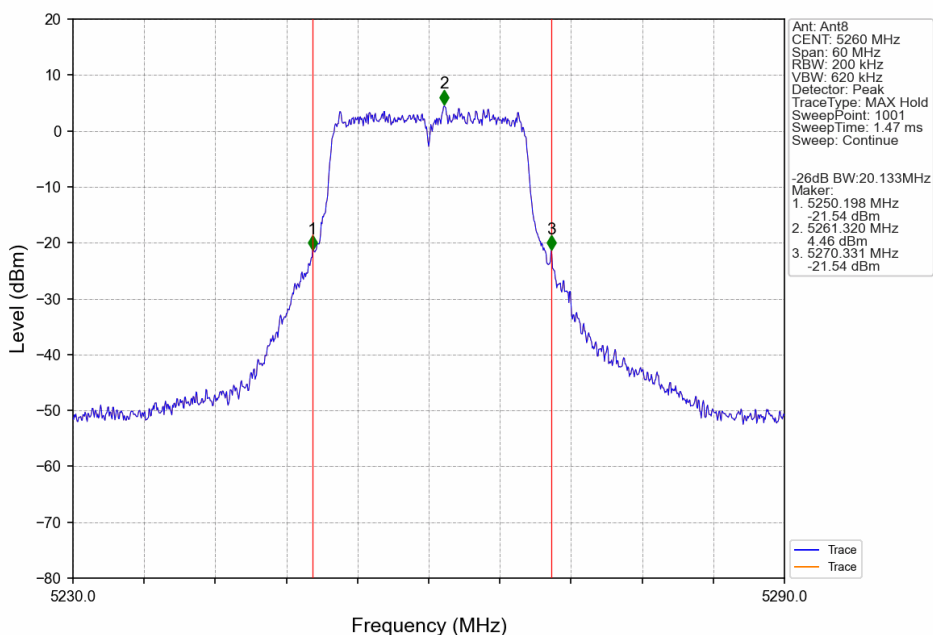
2.2.3 26dB BW



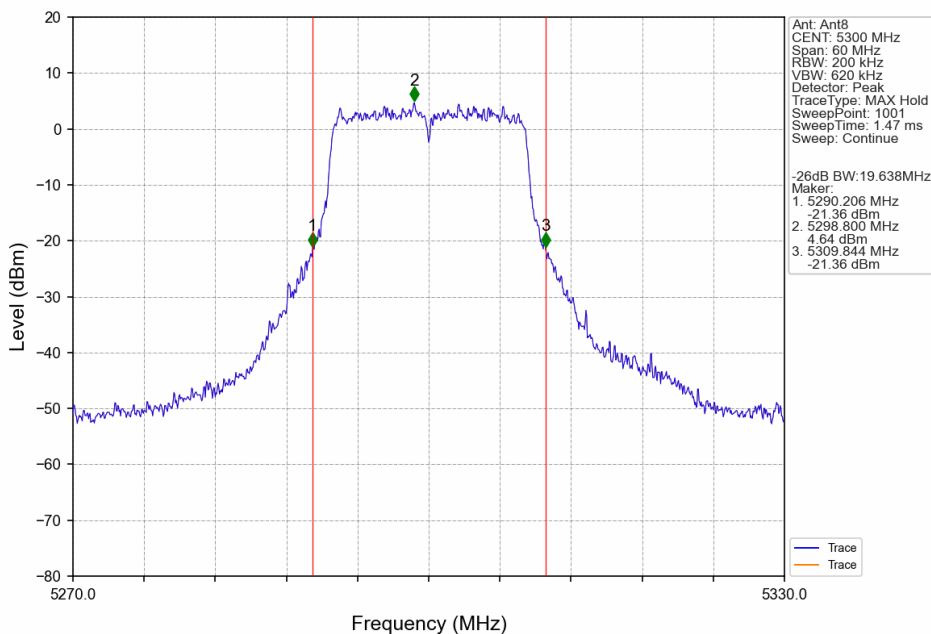
802.11a HCH 5240MHz Ant8_NTNV



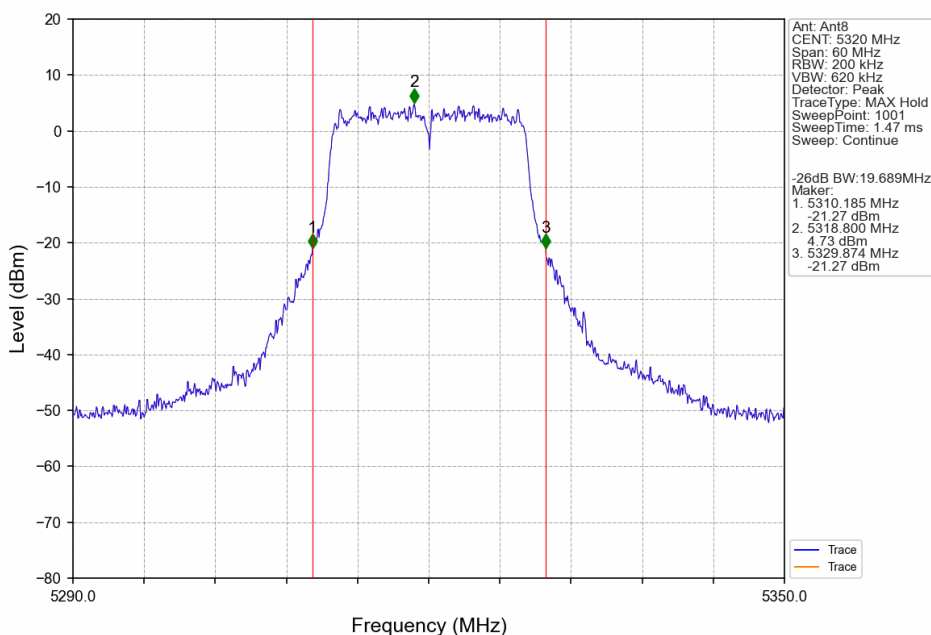
802.11a LCH 5260MHz Ant8_NTNV



802.11a MCH 5300MHz Ant8 NTN



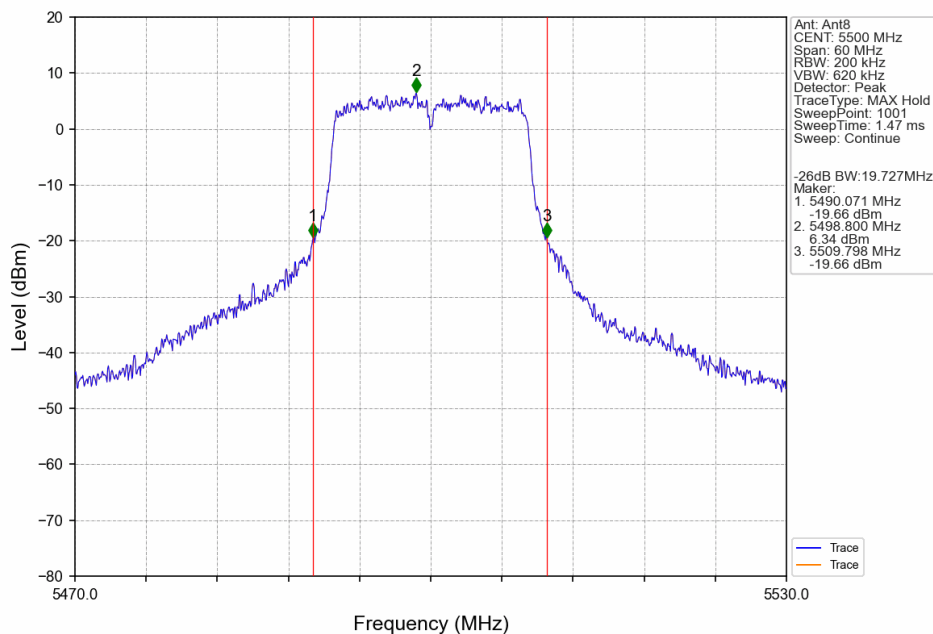
802.11a HCH 5320MHz Ant8 NTN



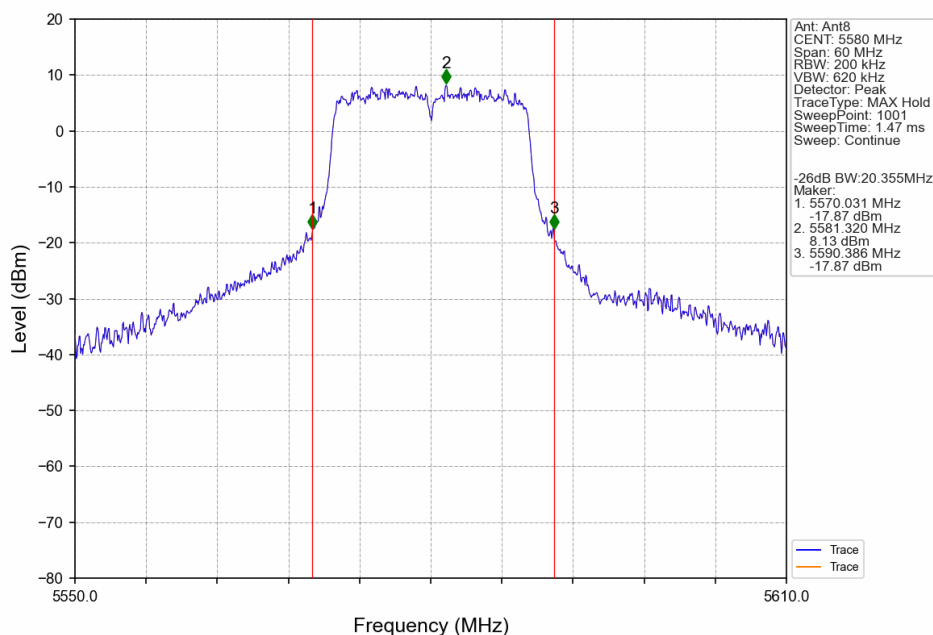
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802.11a_LCH_5500MHz_Ant8_NTNV



802.11a_MCH_5580MHz_Ant8_NTNV



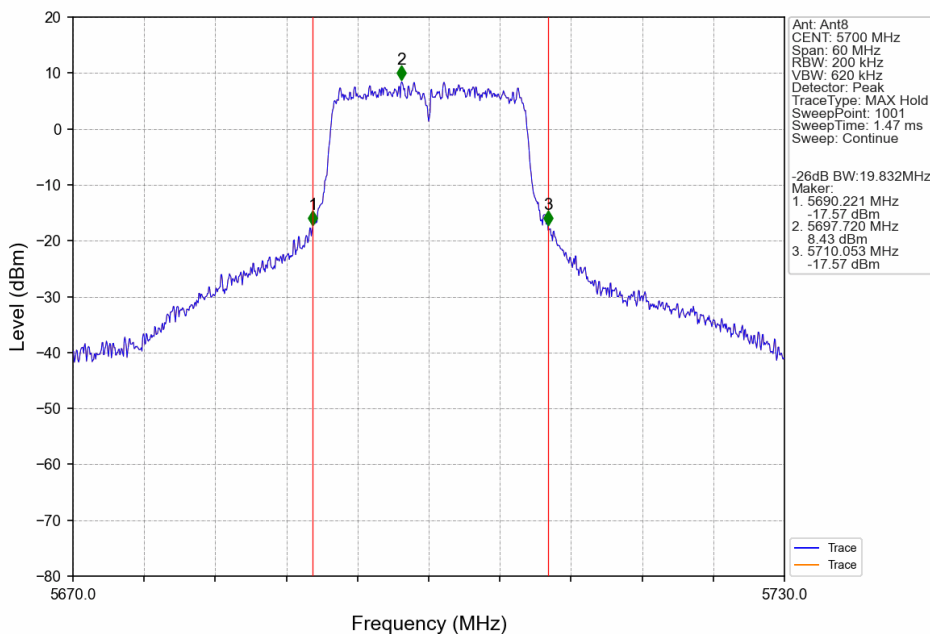
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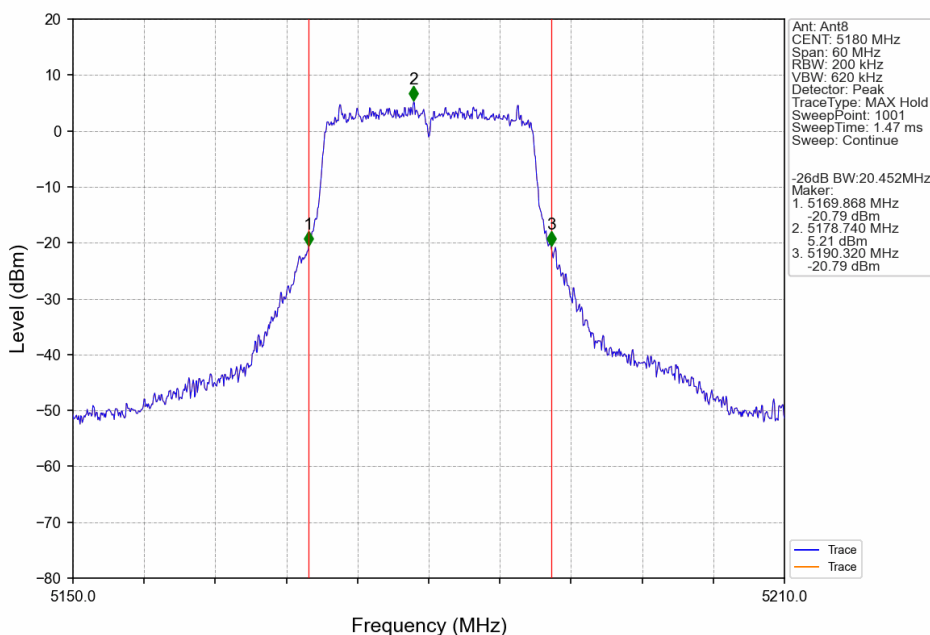
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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.sgsgroup.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

802.11a HCH 5700MHz Ant8_NTNV



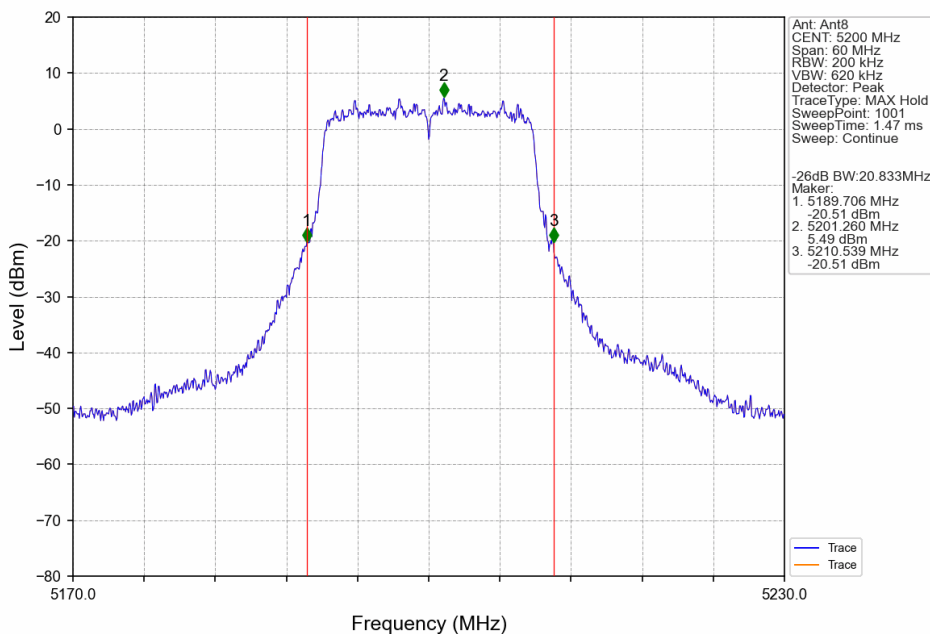
802.11n(HT20) LCH 5180MHz Ant8_NTNV



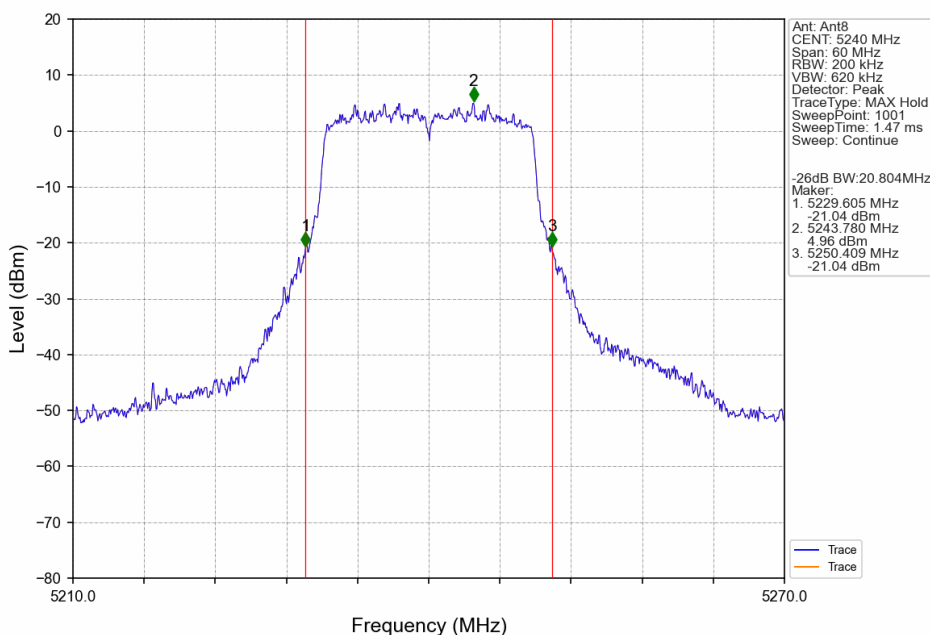
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802.11n(HT20)_MCH_5200MHz_Ant8_NTNV



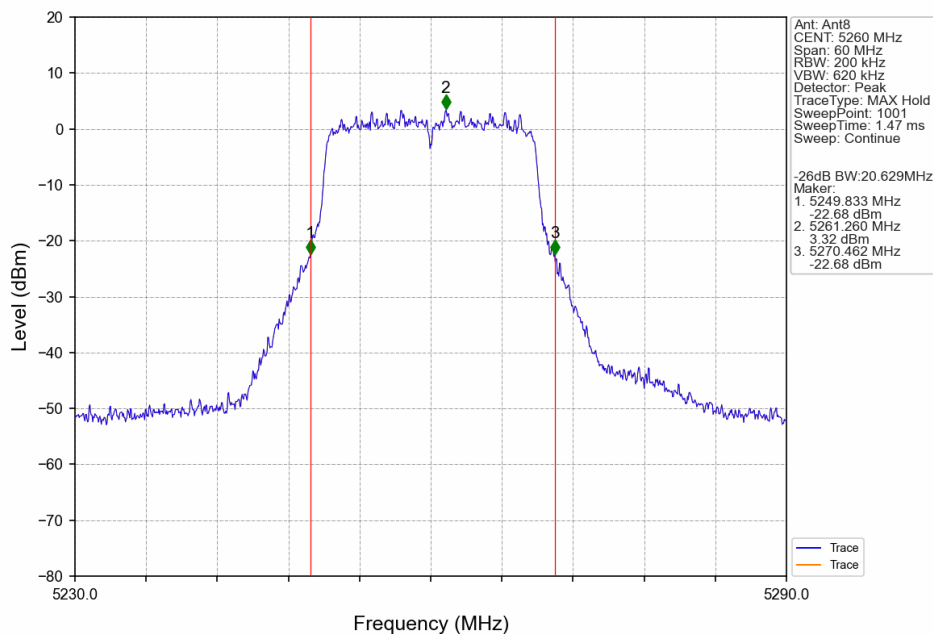
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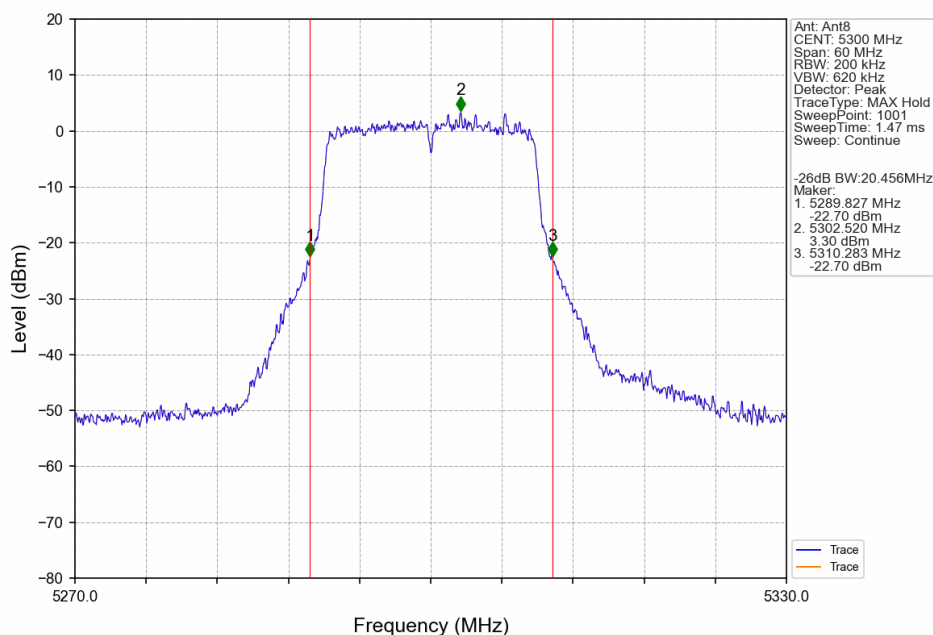
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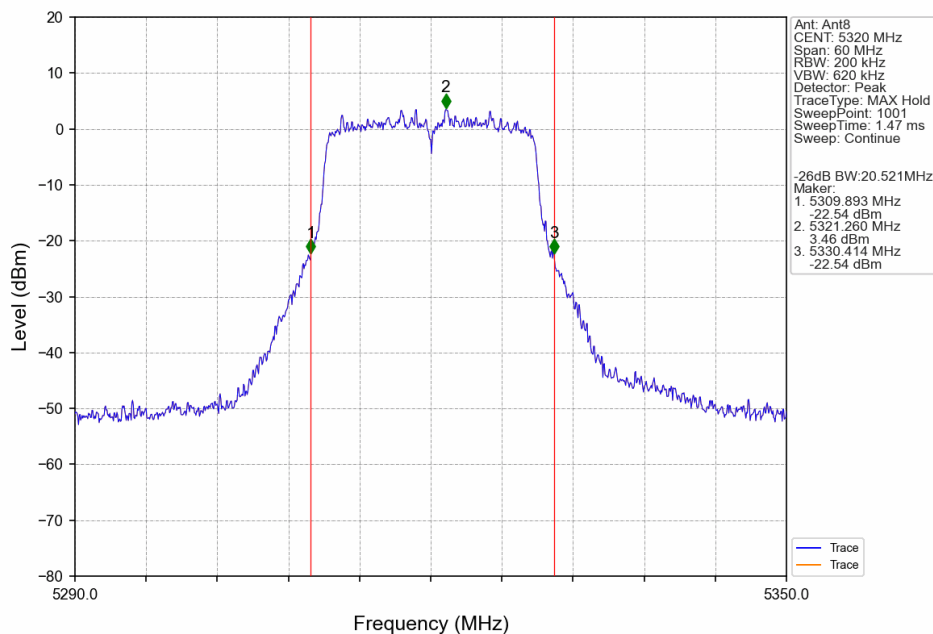
802.11n(HT20) LCH_5260MHz_Ant8_NTNV



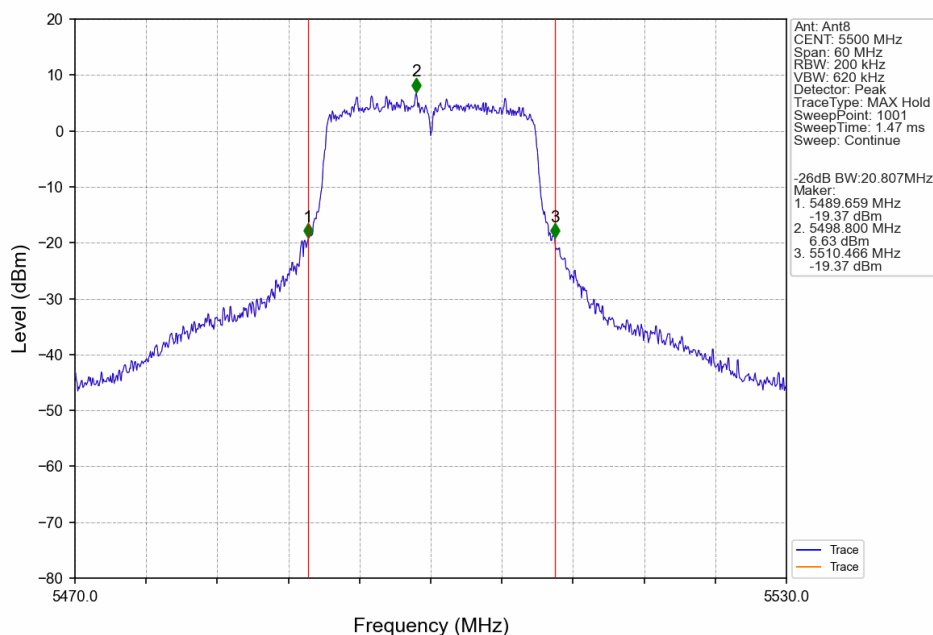
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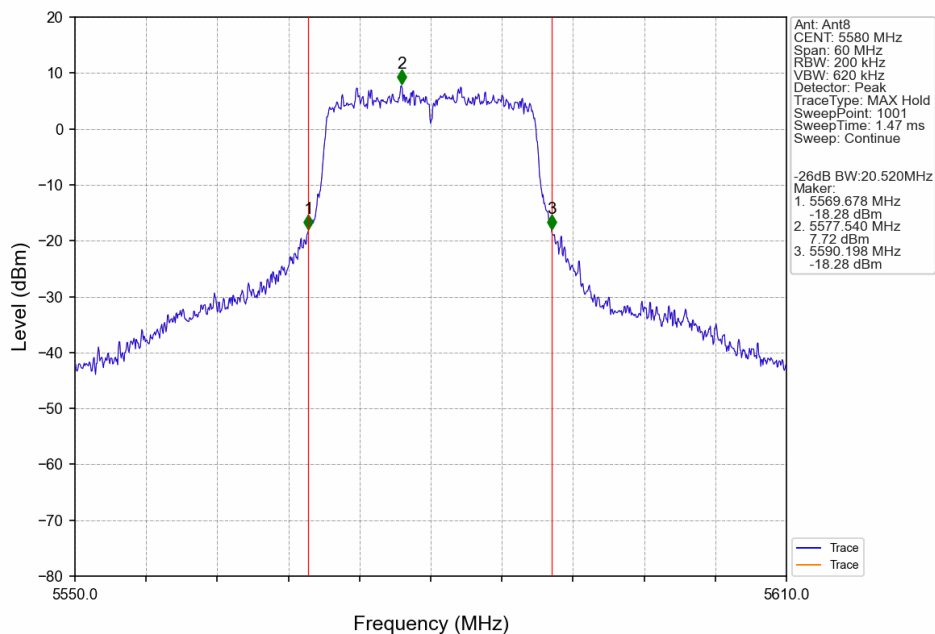
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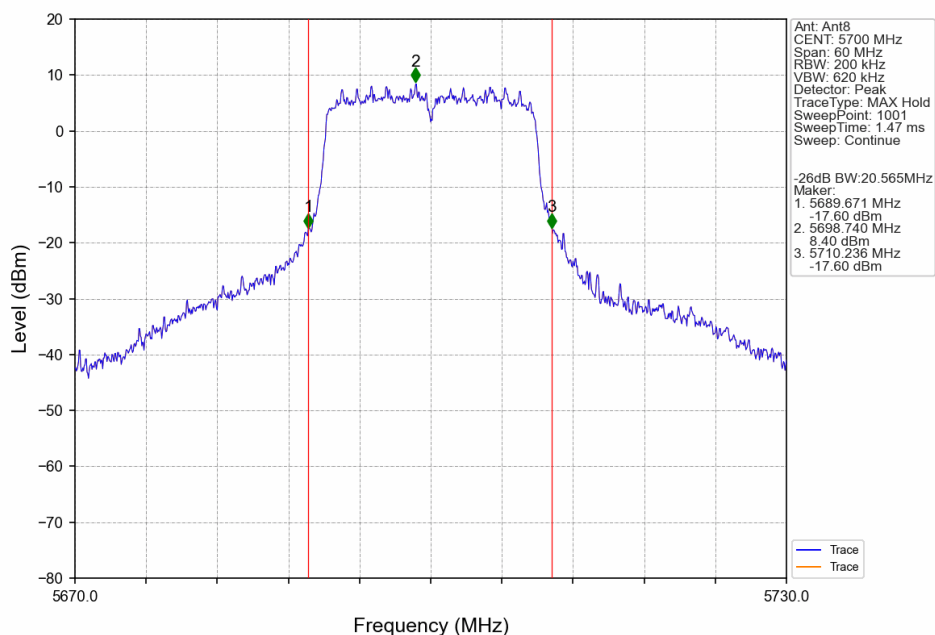
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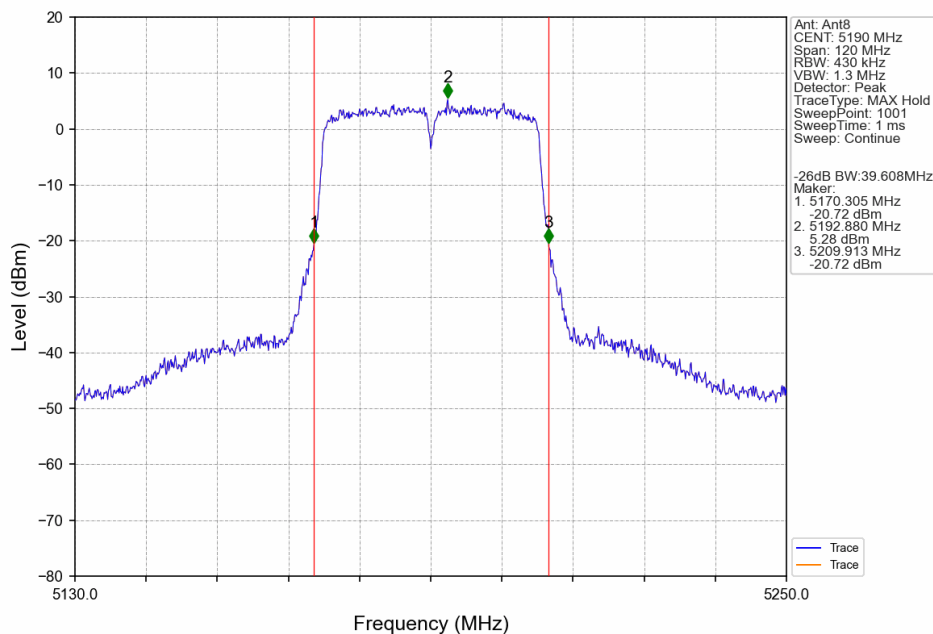
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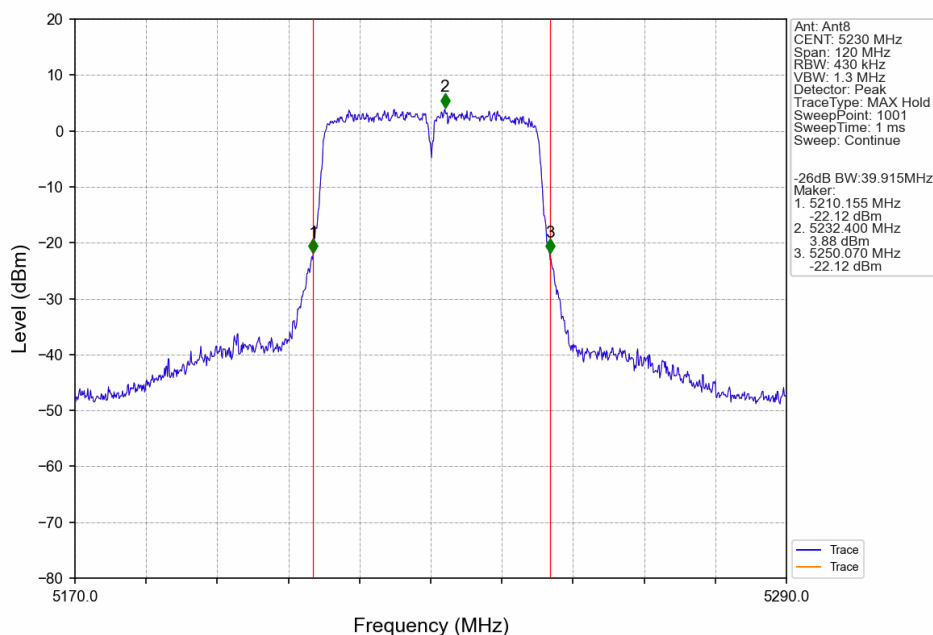
802.11n(HT20)_HCH_5700MHz_Ant8_NTNV



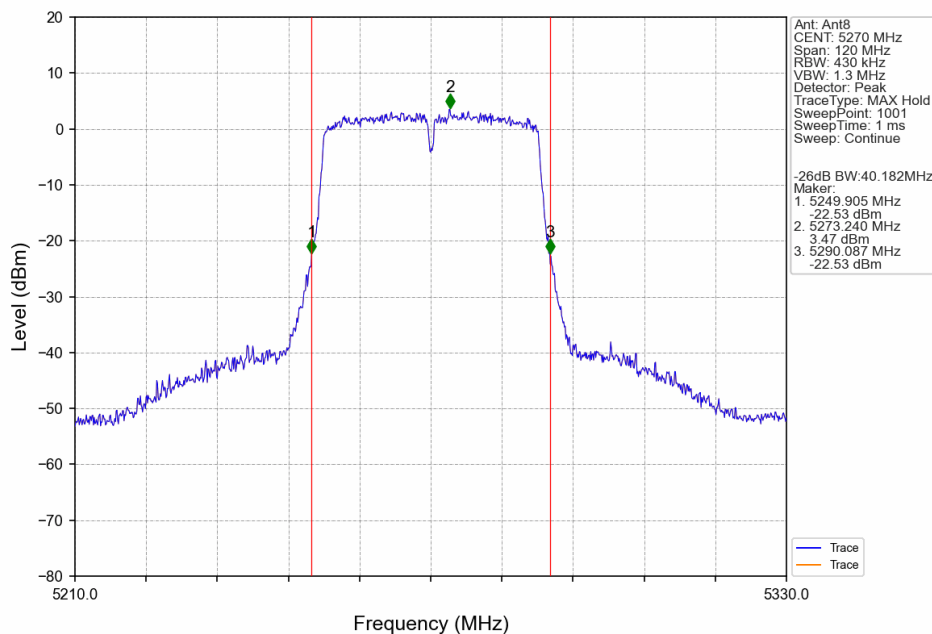
802.11n(HT40) LCH 5190MHz_Ant8_NTNV



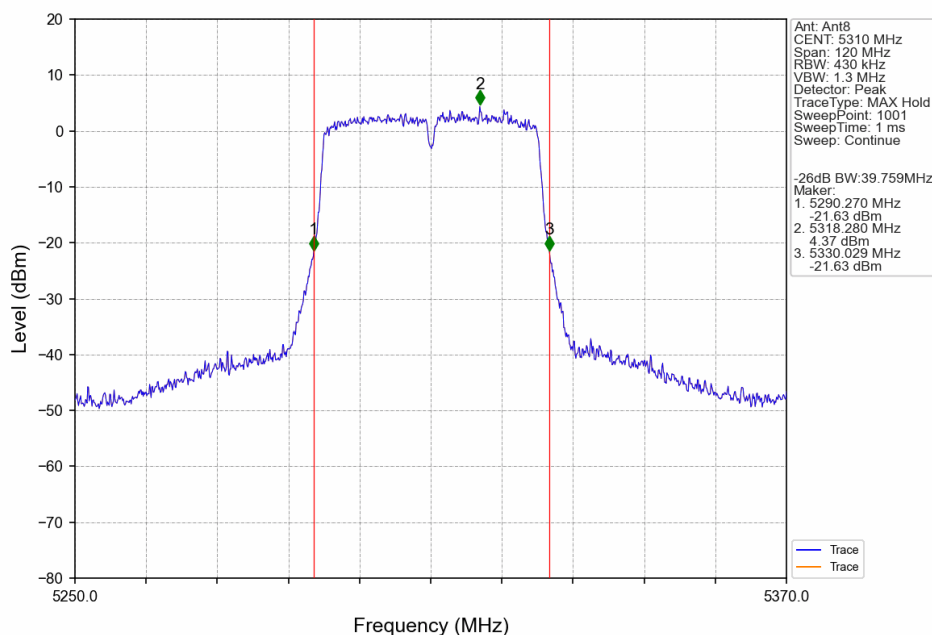
802.11n(HT40) HCH 5230MHz_Ant8_NTNV



802.11n(HT40) LCH 5270MHz_Ant8_NTNV



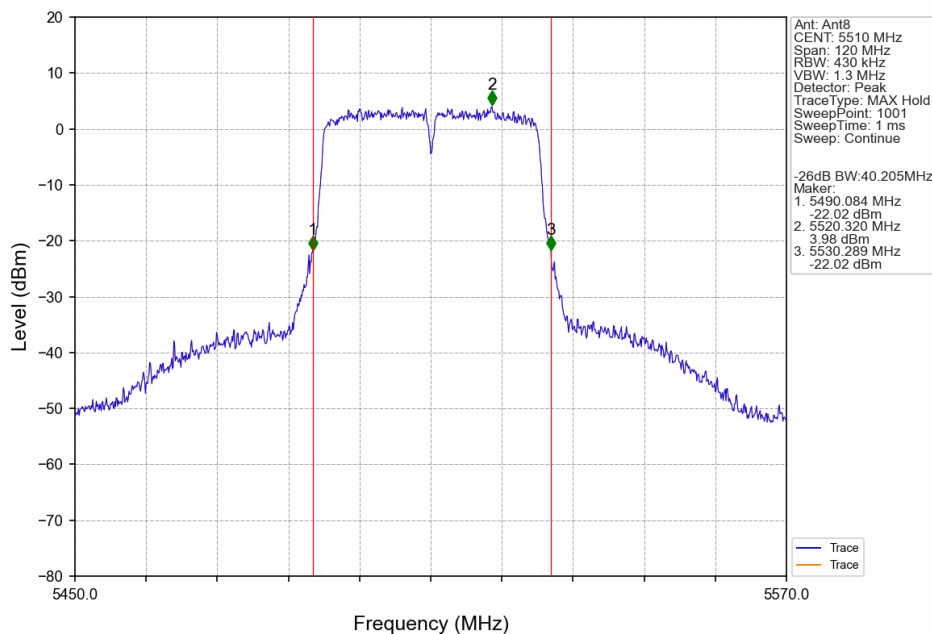
802.11n(HT40) HCH 5310MHz_Ant8_NTNV



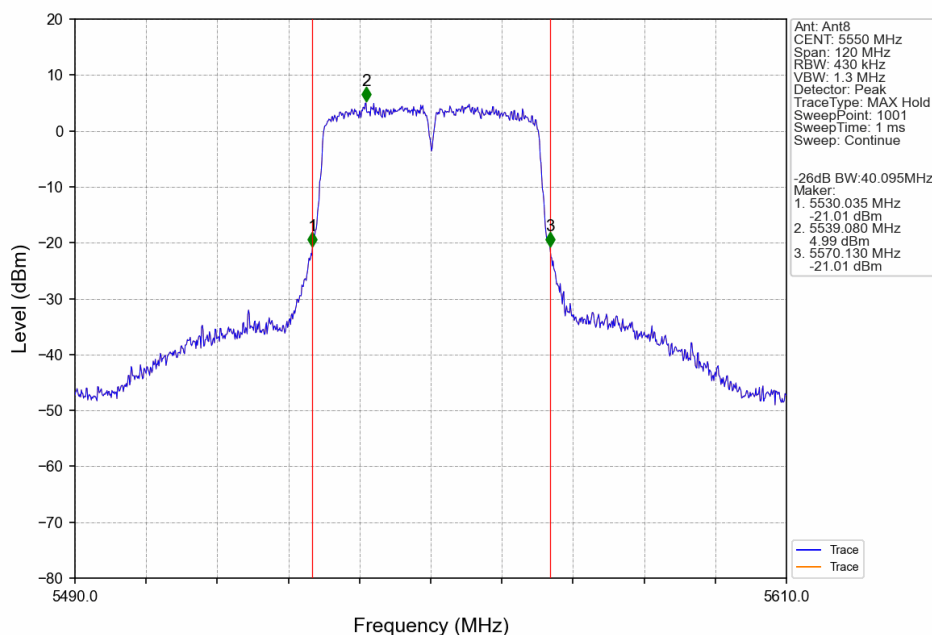
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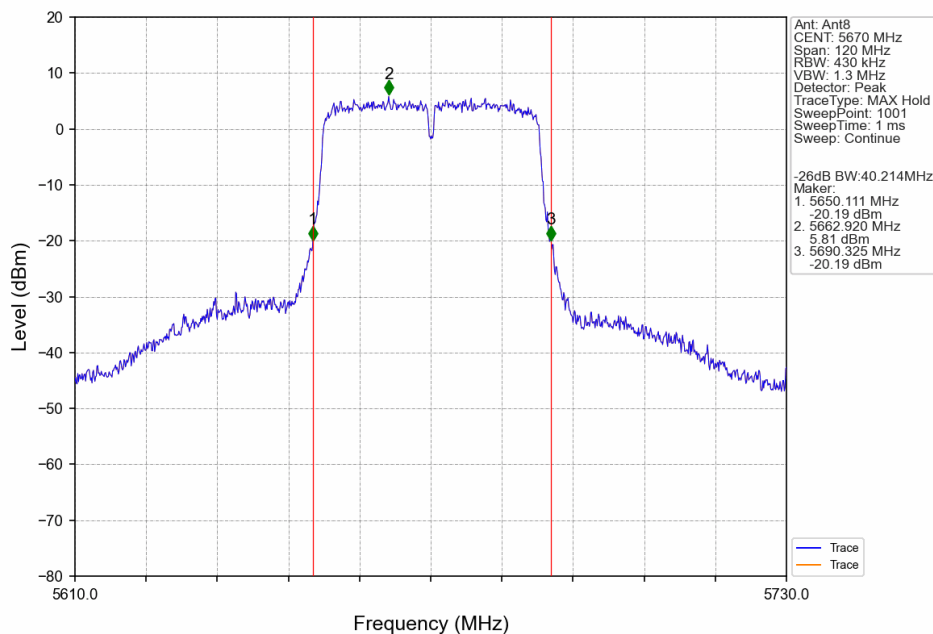
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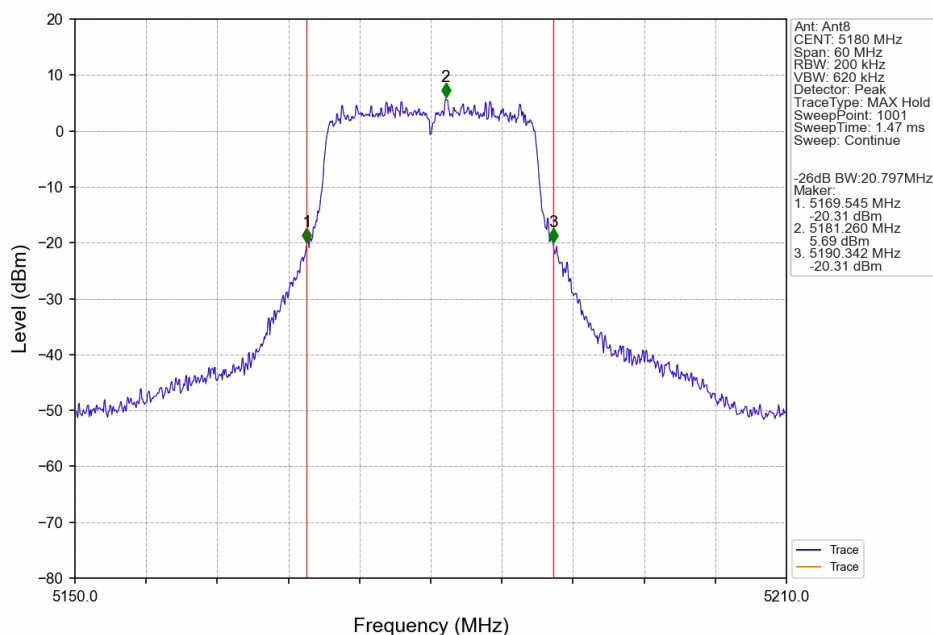
802.11n(HT40) MCH 5550MHz Ant8_NTNV



802.11n(HT40) HCH 5670MHz Ant8_NTNV



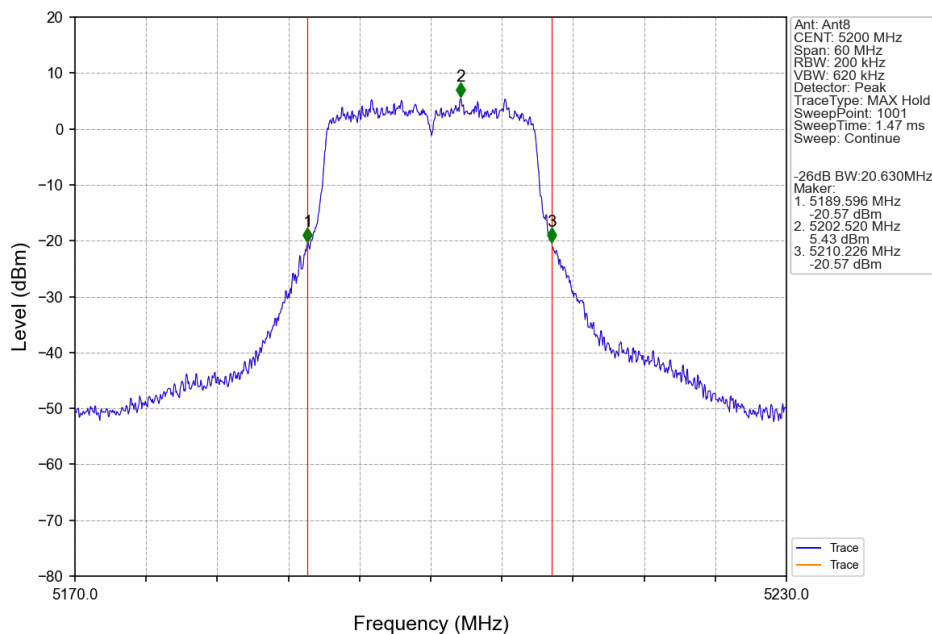
802.11ac(VHT20) LCH 5180MHz Ant8_NTNV



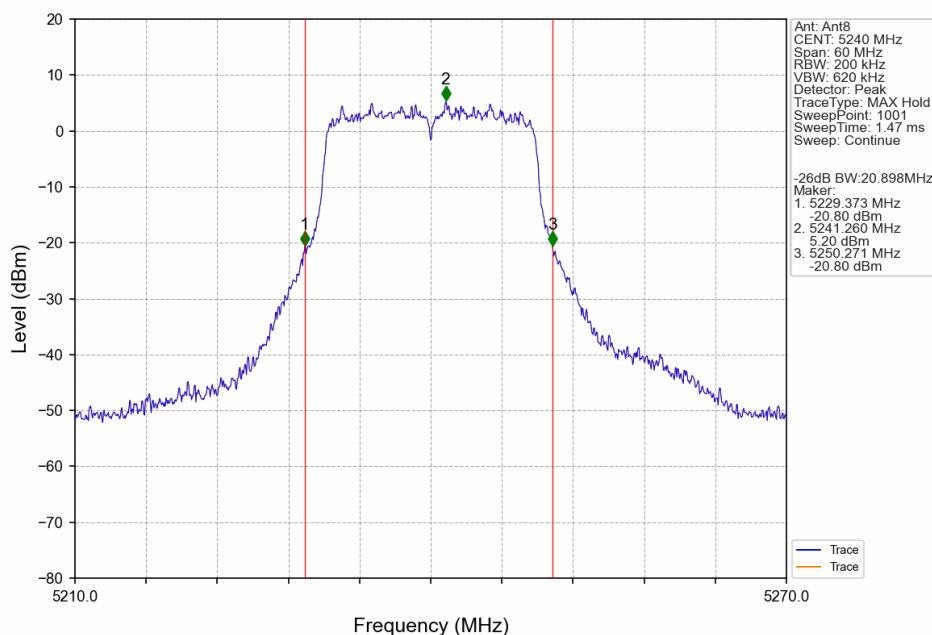
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802.11ac(VHT20) MCH 5200MHz Ant8 NTN



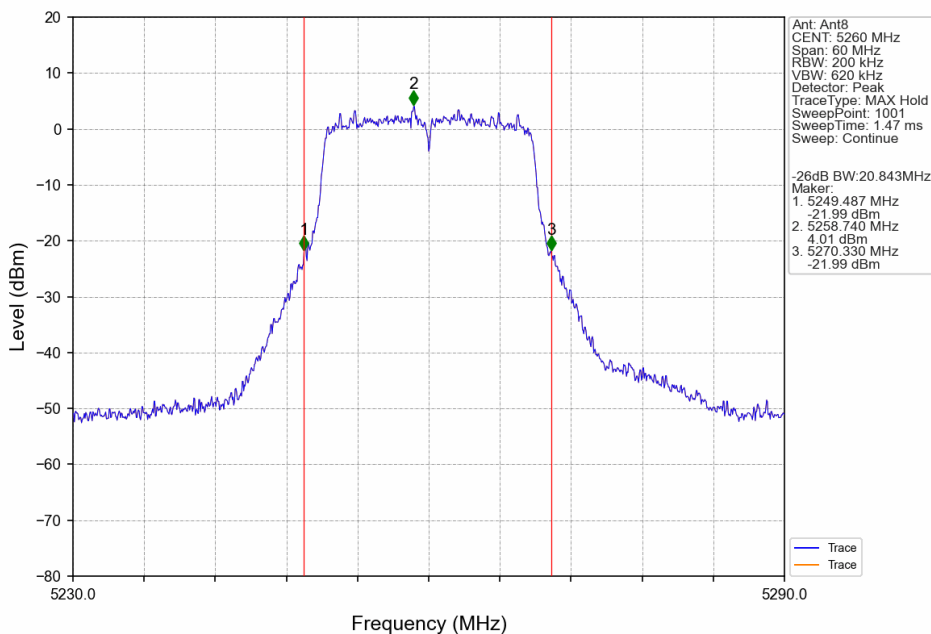
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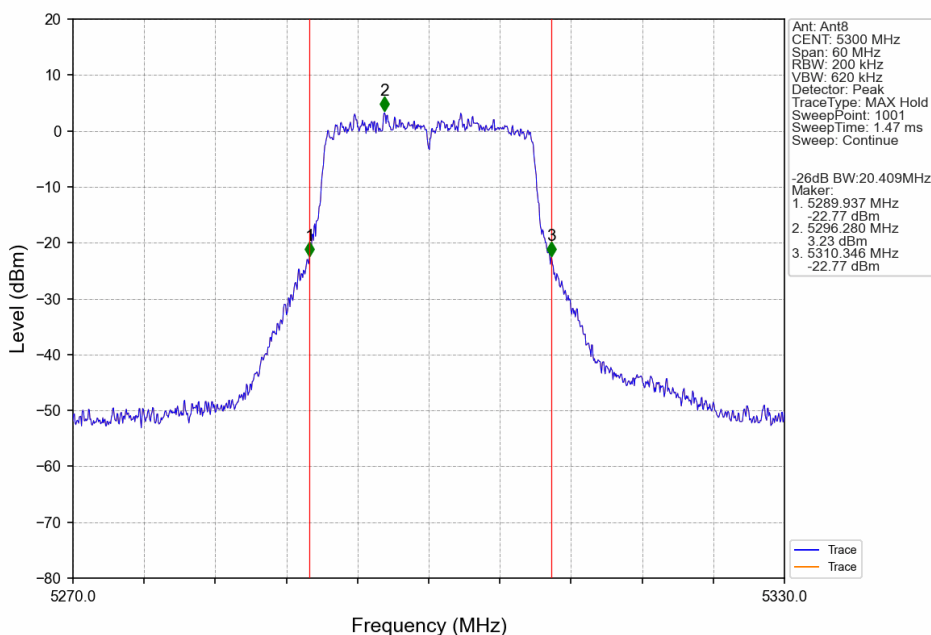
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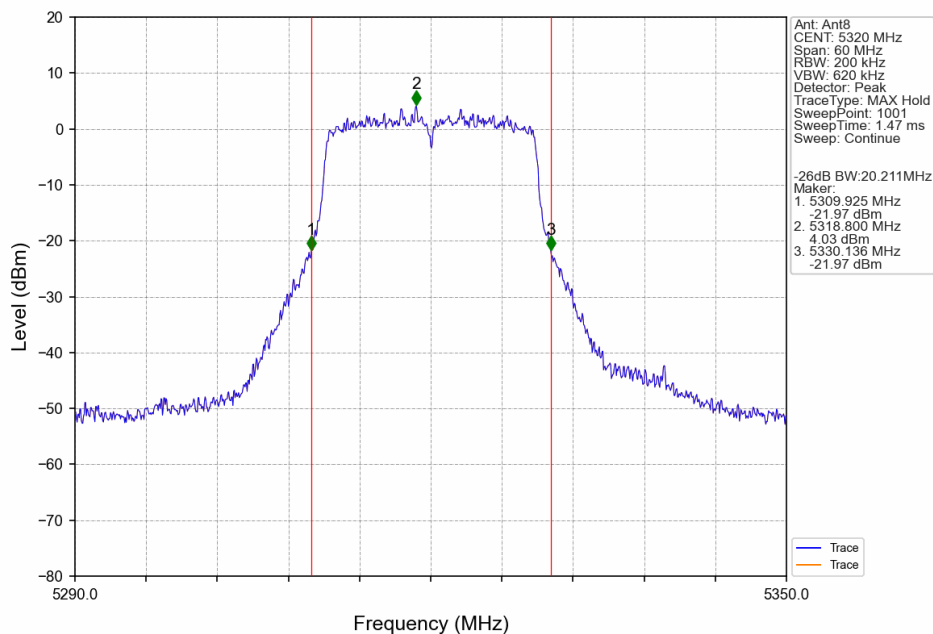
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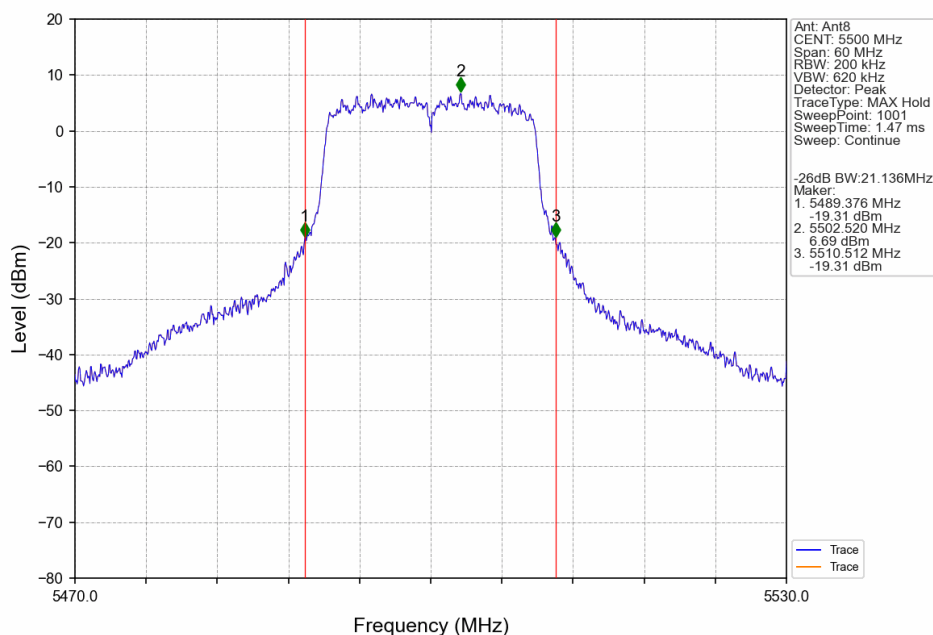
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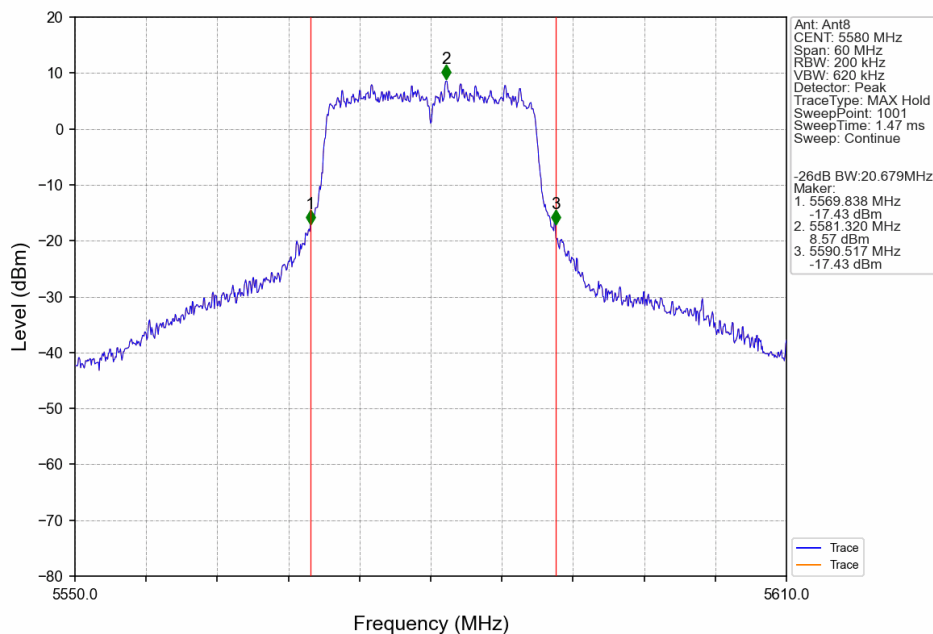
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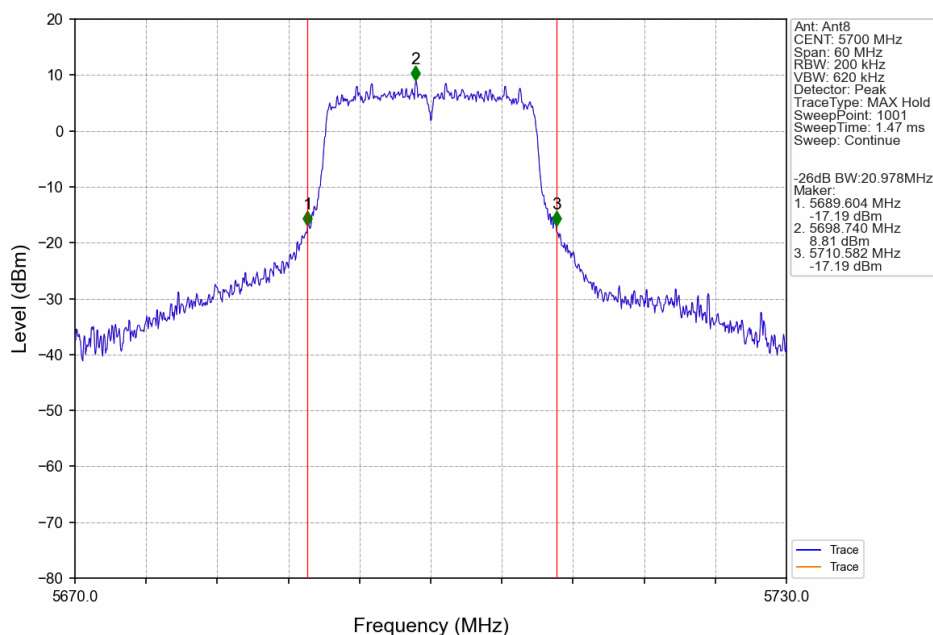
802.11ac(VHT20) LCH 5500MHz Ant8_NTNV



802.11ac(VHT20) MCH 5580MHz Ant8 NTN



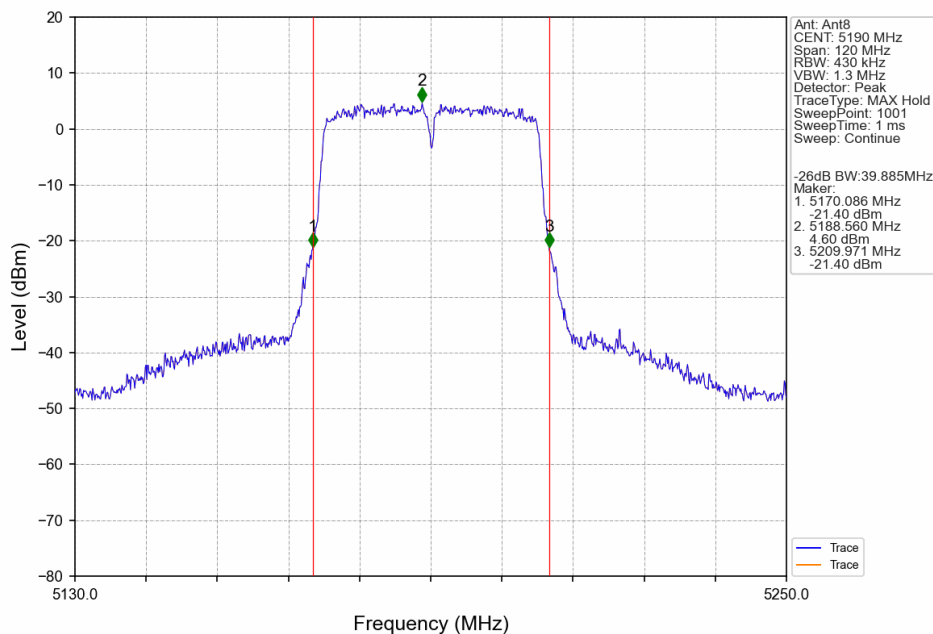
802.11ac(VHT20) HCH 5700MHz Ant8 NTN



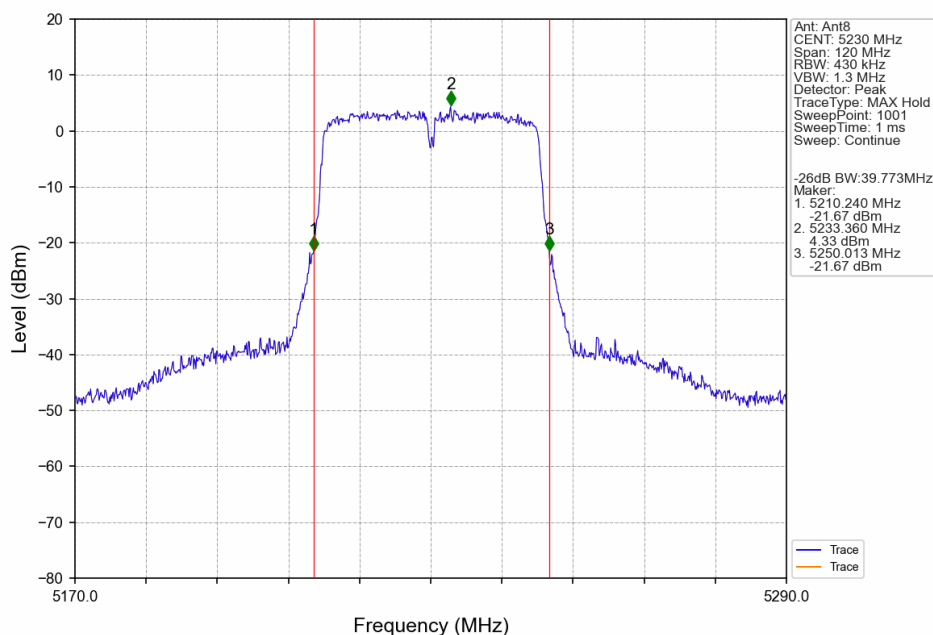
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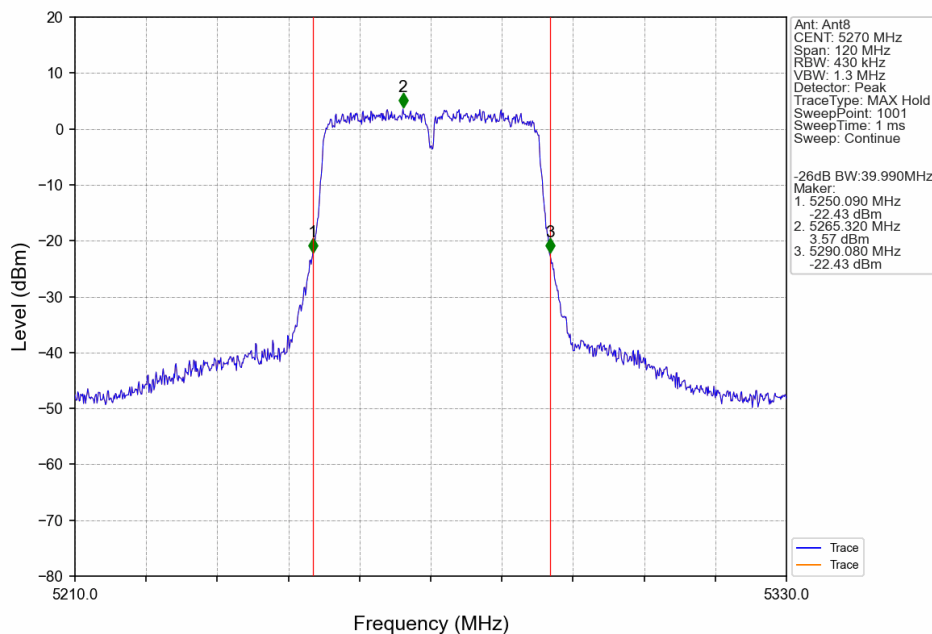
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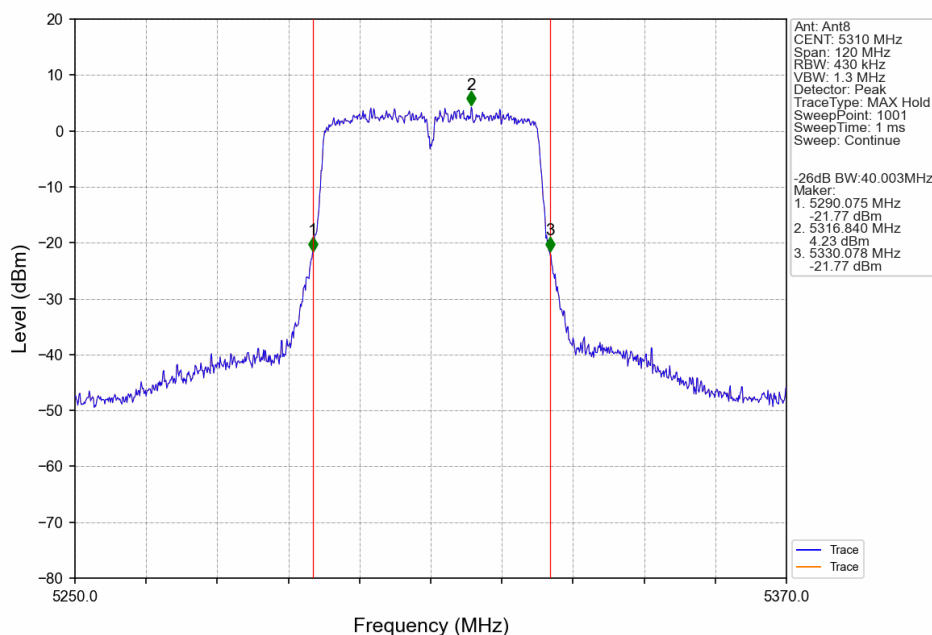
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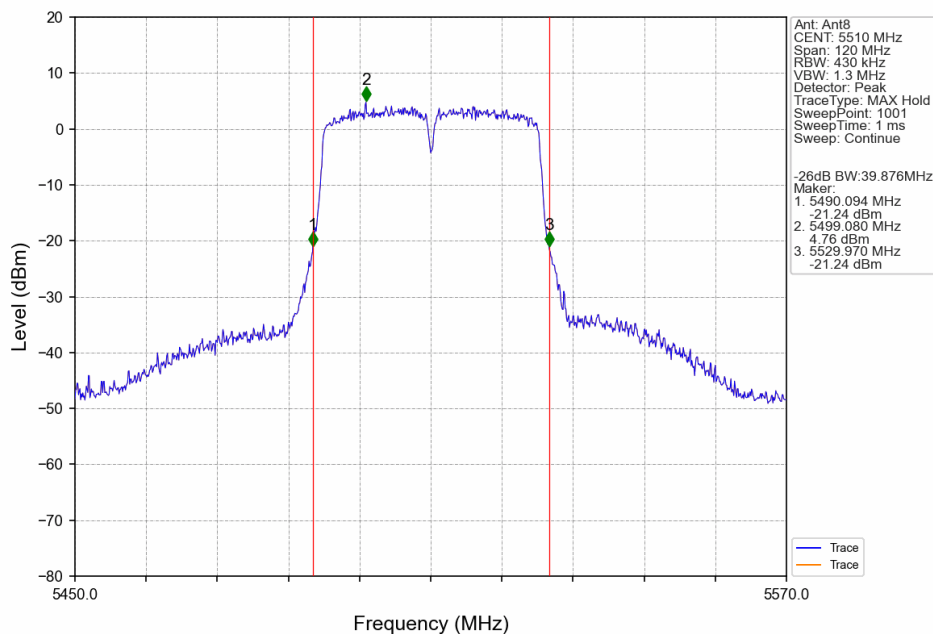
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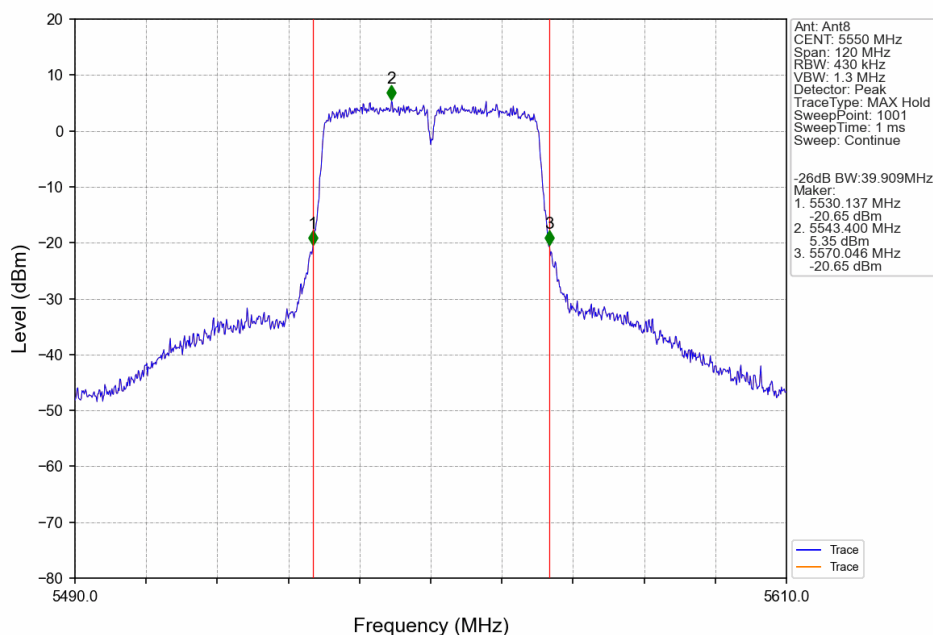
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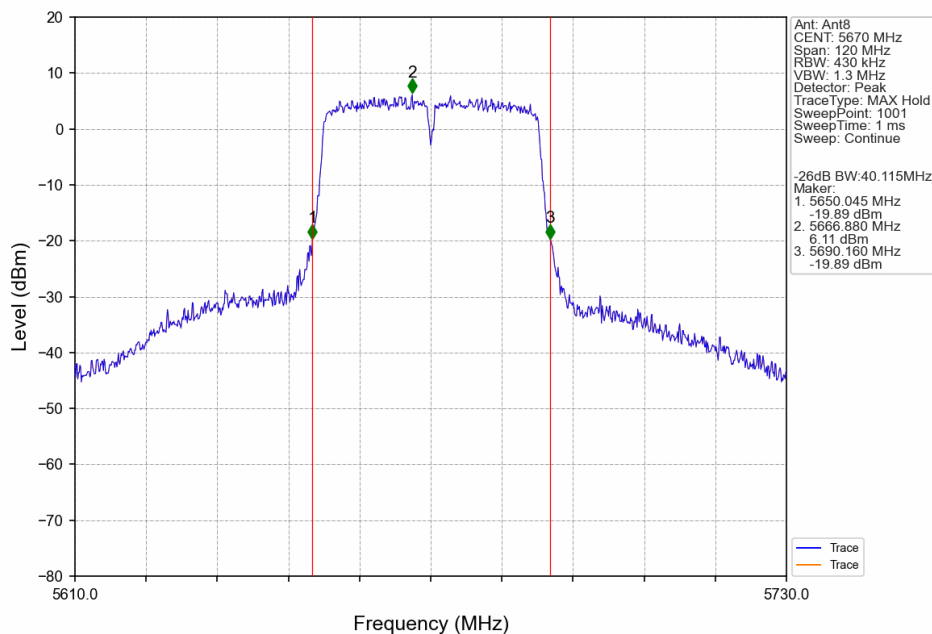
802.11ac(VHT40) LCH 5510MHz Ant8 NTN



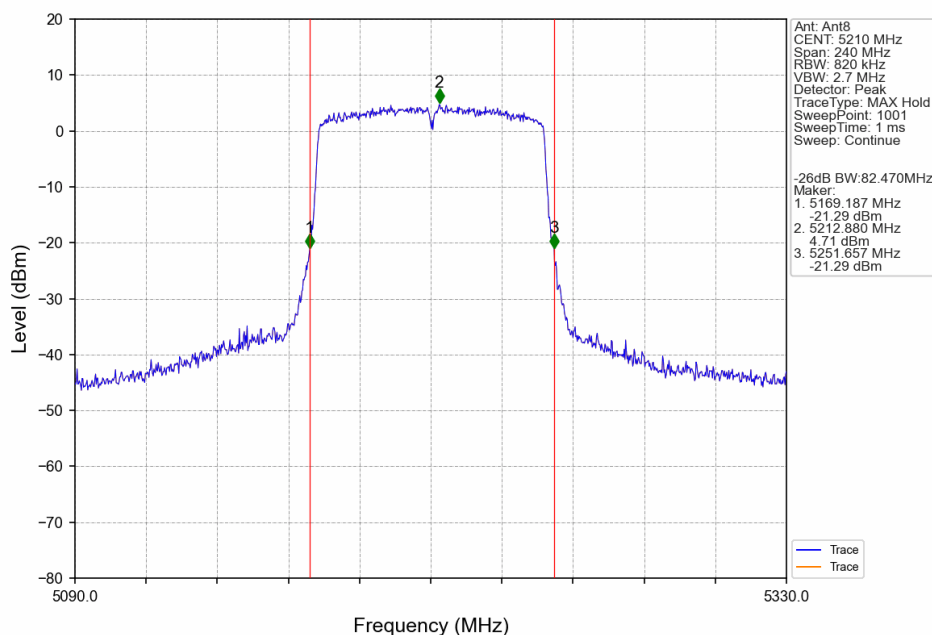
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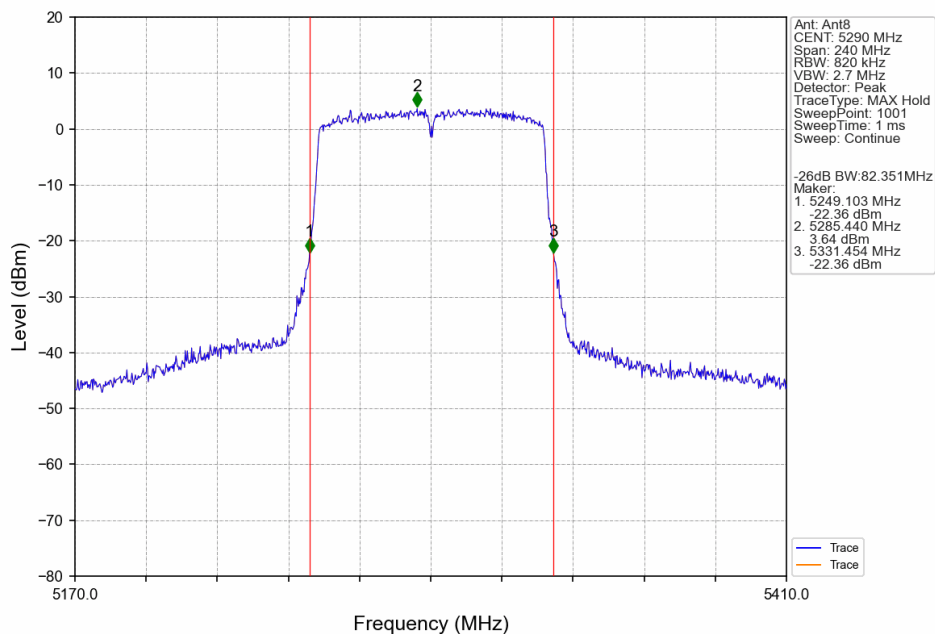
802.11ac(VHT40) HCH 5670MHz Ant8 NTN



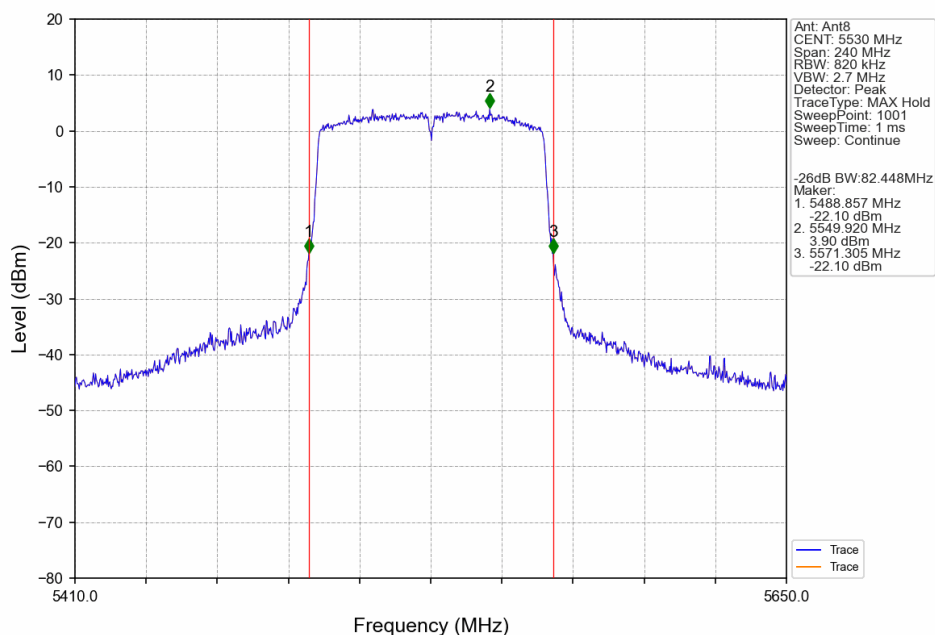
802.11ac(VHT80) MCH 5210MHz Ant8 NTN



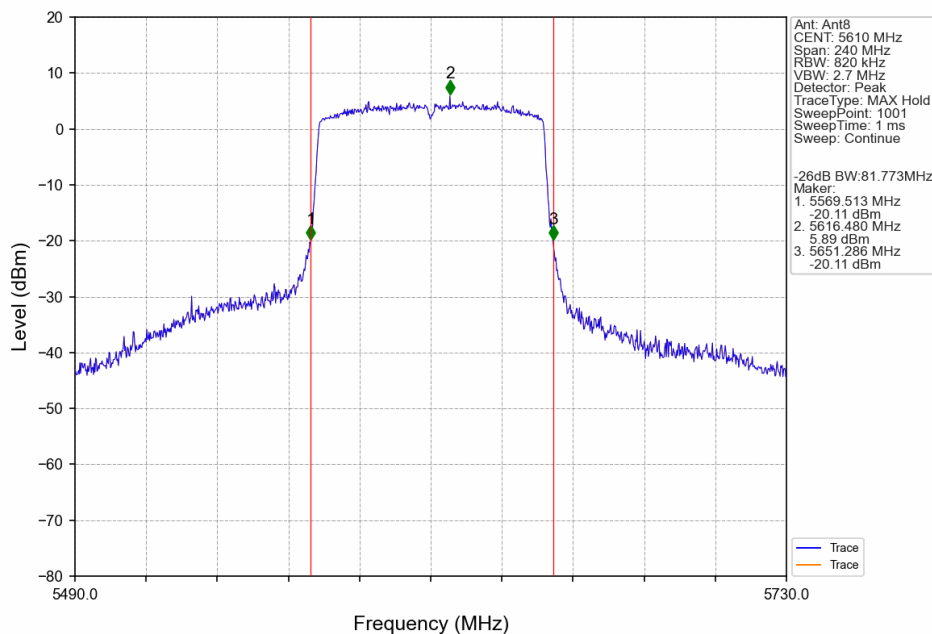
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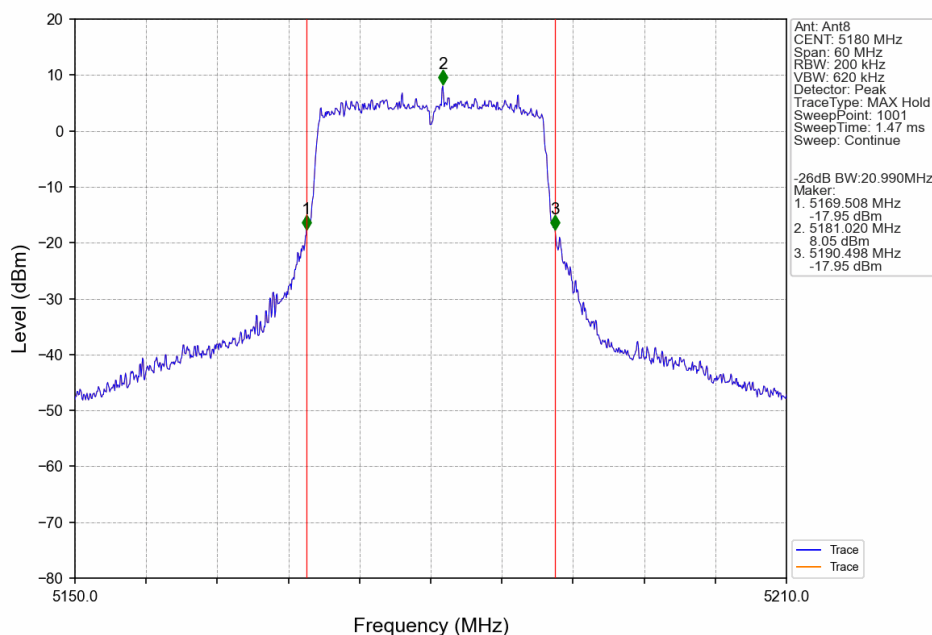
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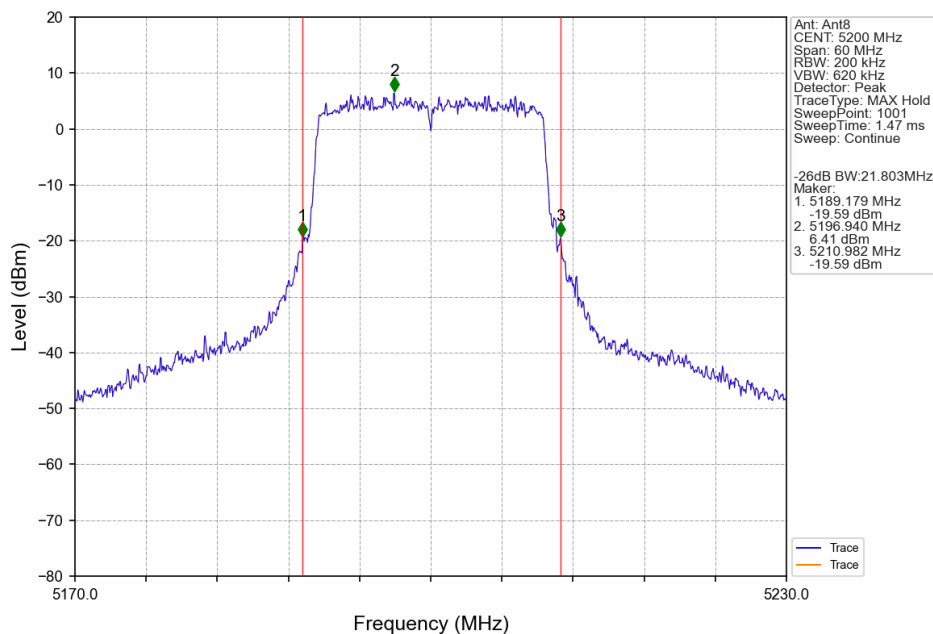
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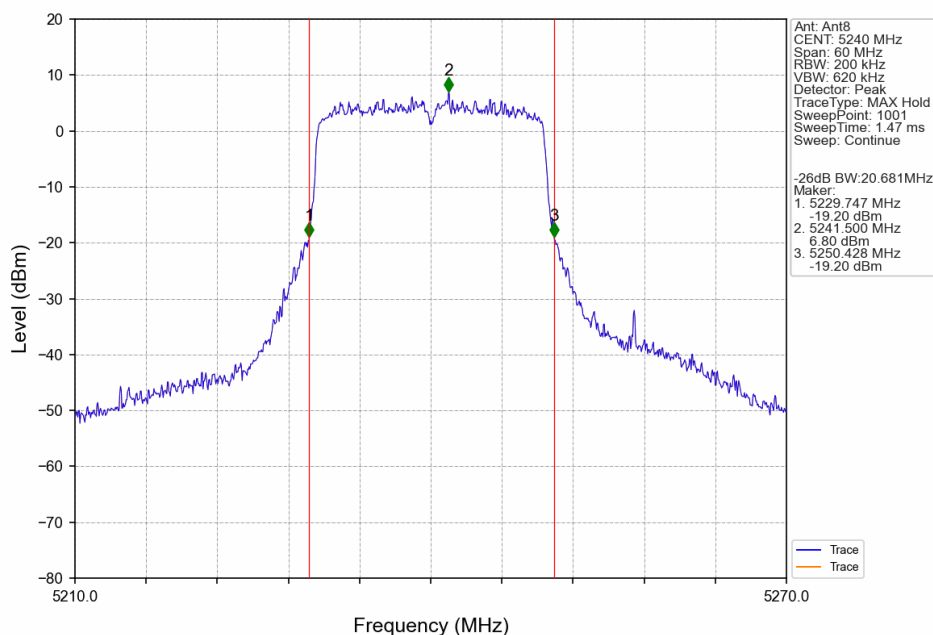
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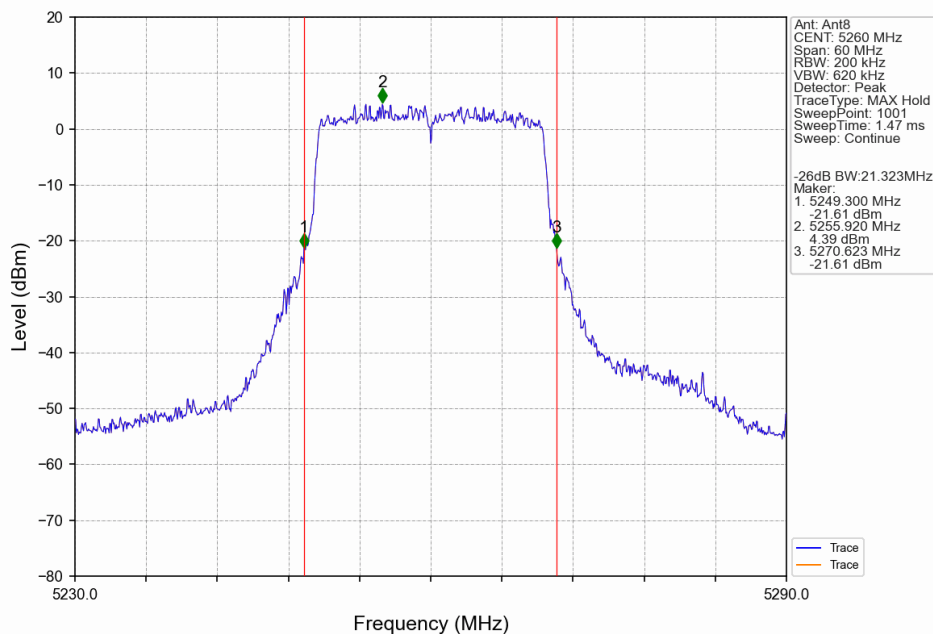
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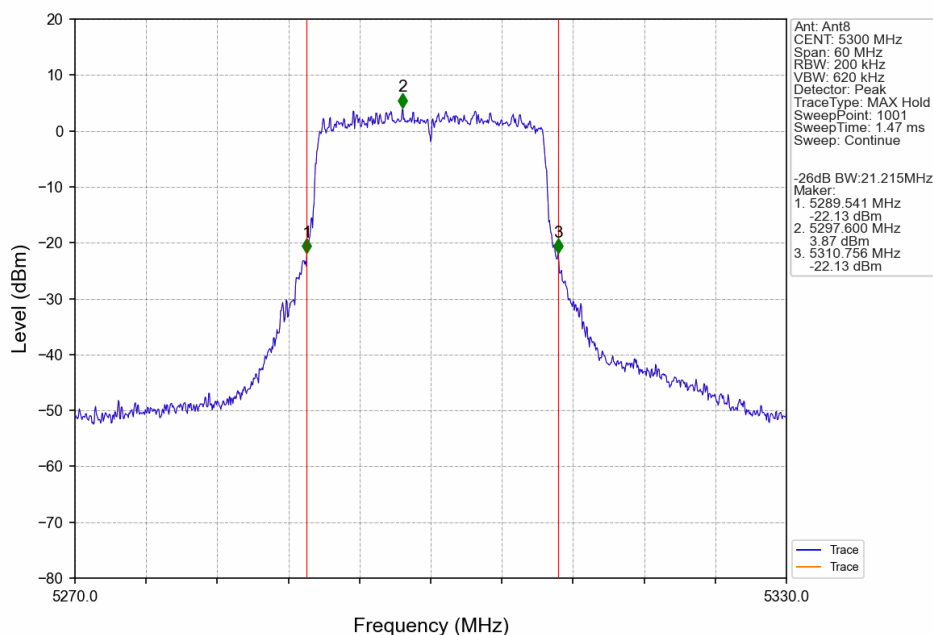
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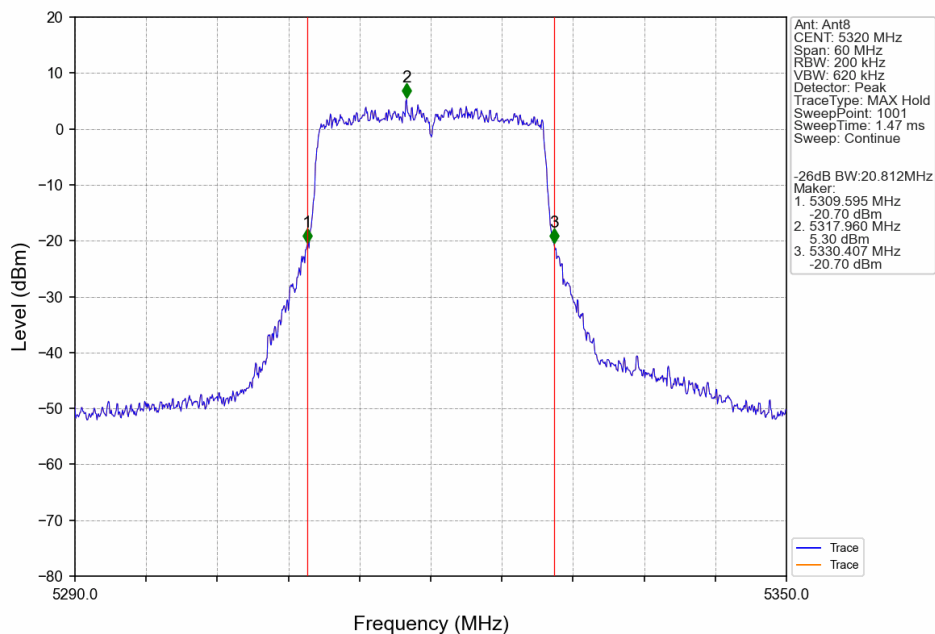
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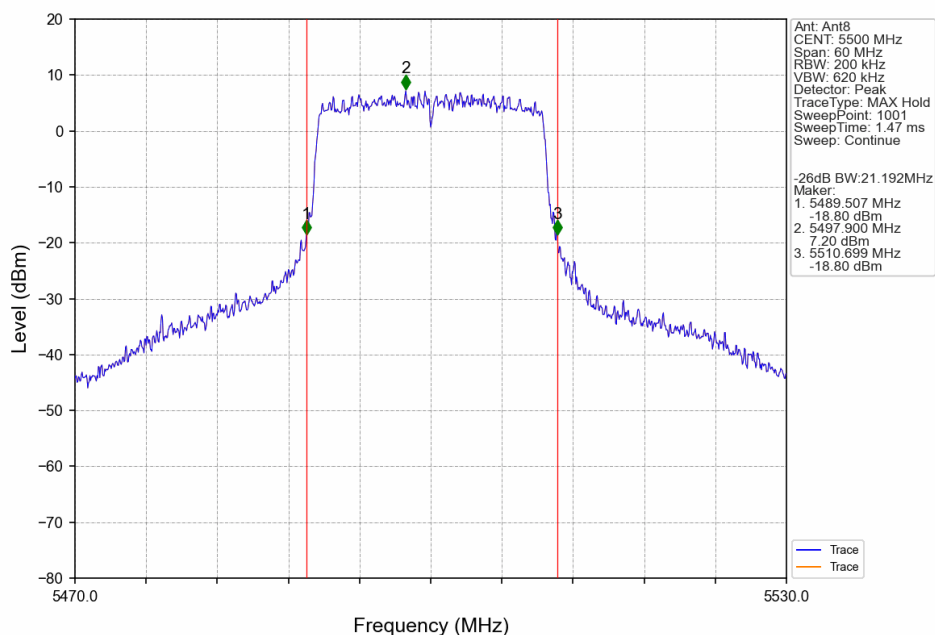
802.11ax(HEW20) MCH 5300MHz SU / Ant8 NTN



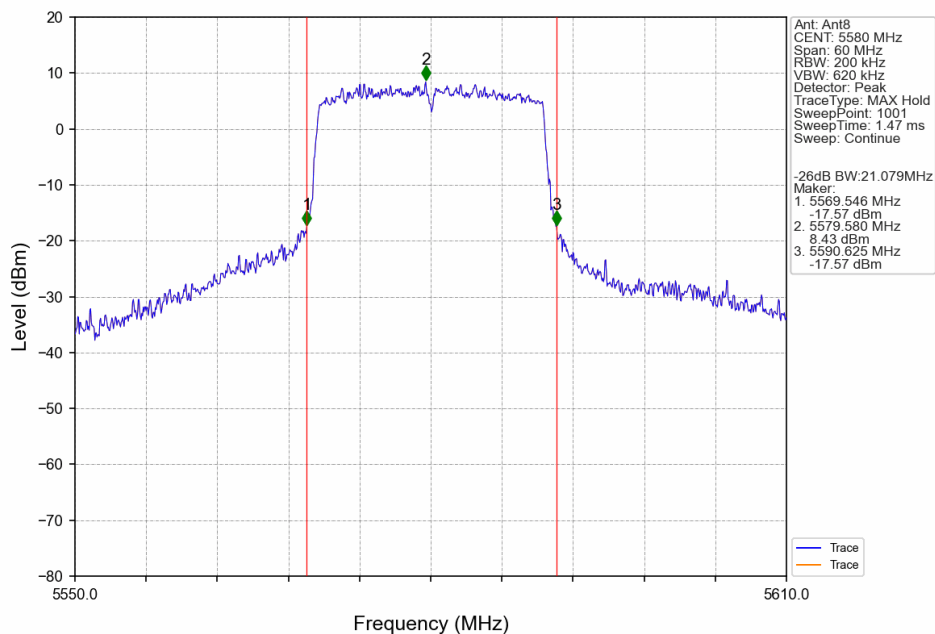
802.11ax(HEW20) HCH 5320MHz SU / Ant8 NTV



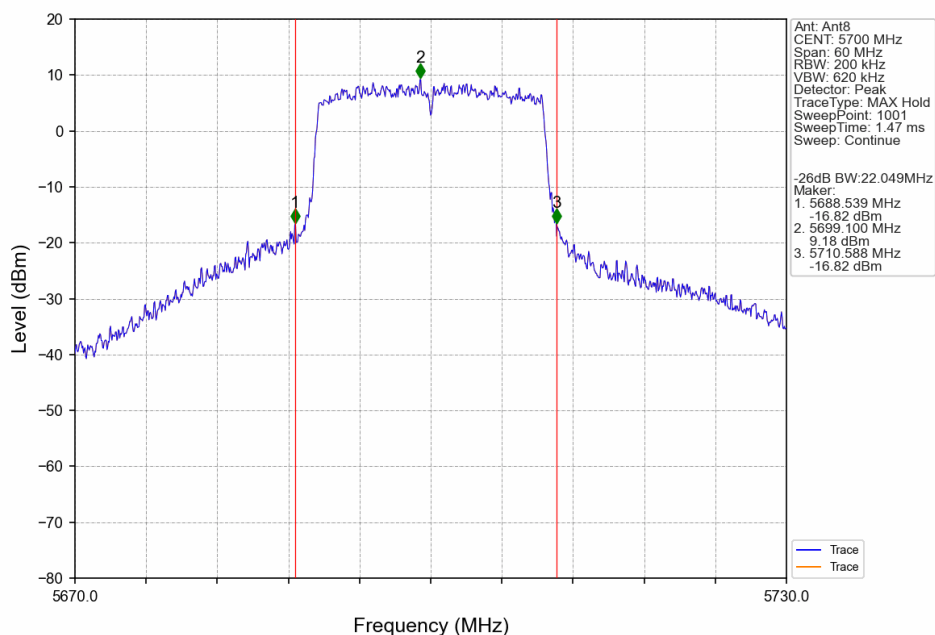
802.11ax(HEW20) LCH 5500MHz SU / Ant8 NTV



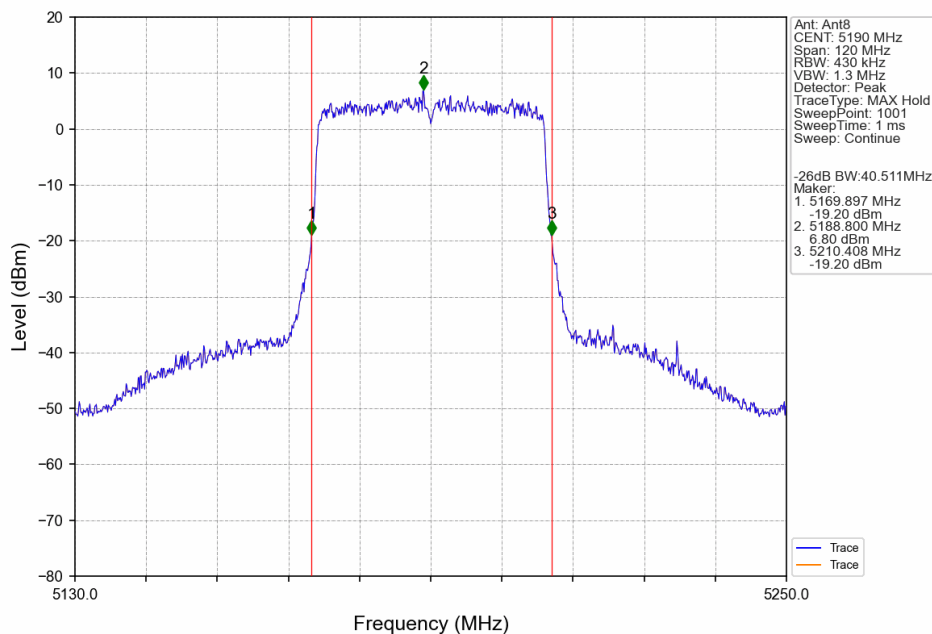
802.11ax(HEW20) MCH 5580MHz SU / Ant8 NTN



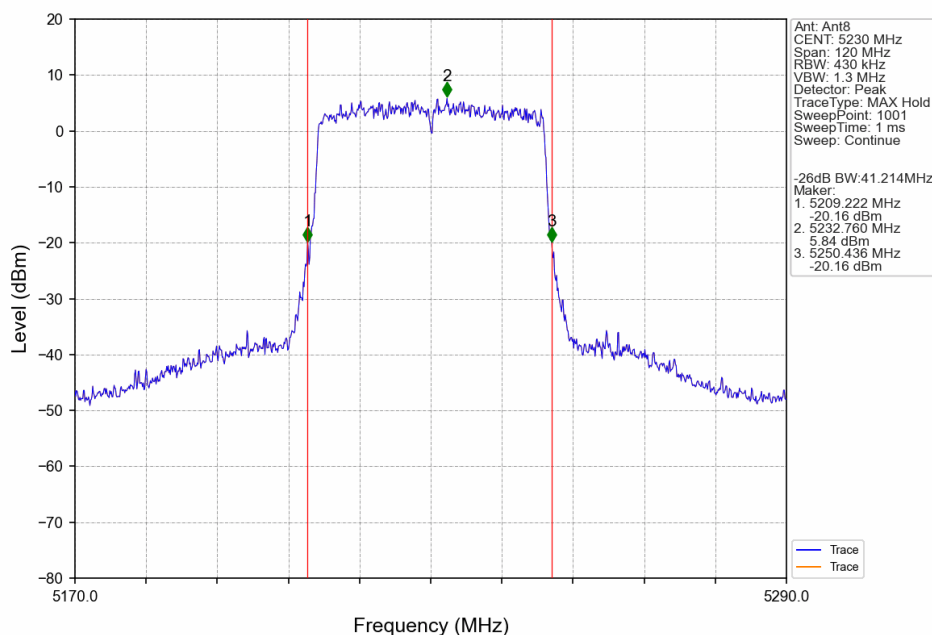
802.11ax(HEW20) HCH 5700MHz SU / Ant8 NTN



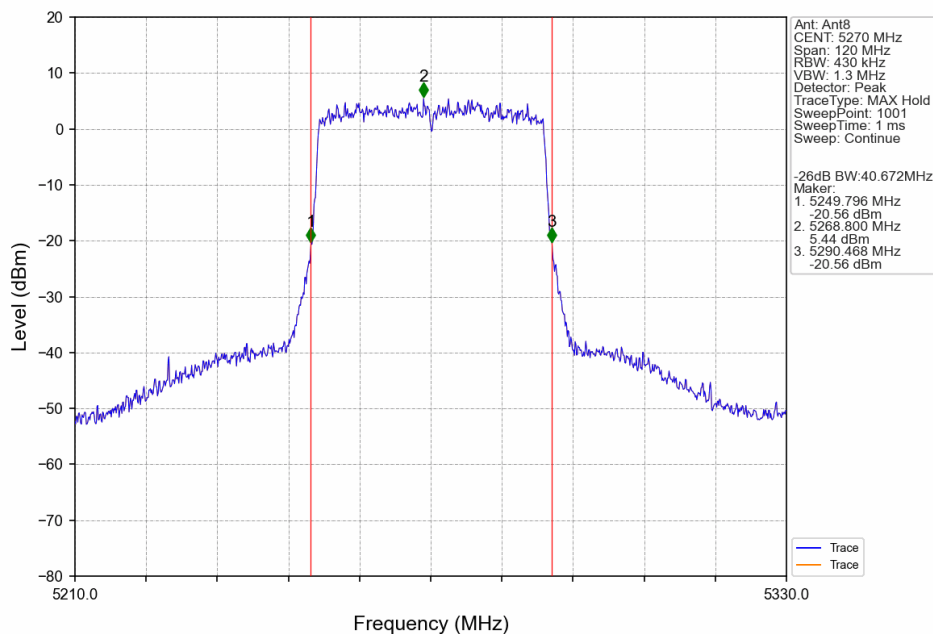
802.11ax(HEW40) LCH 5190MHz SU / Ant8 NTN



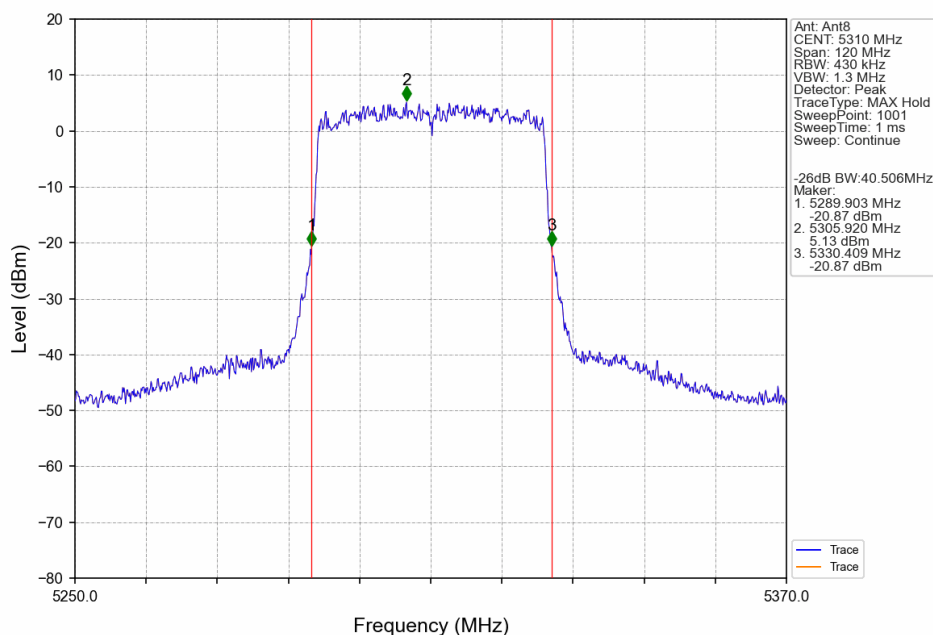
802.11ax(HEW40) HCH 5230MHz SU / Ant8 NTN



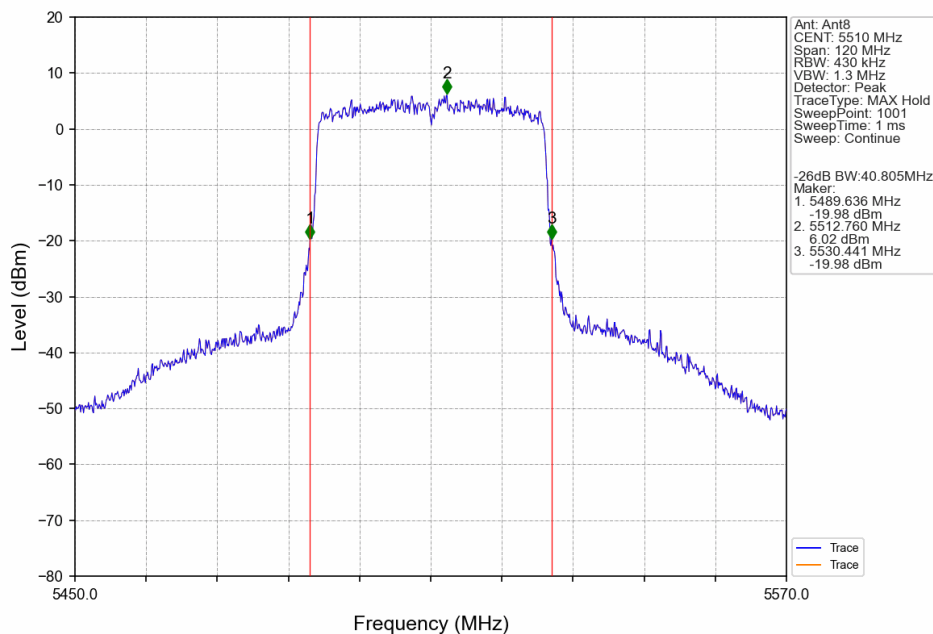
802.11ax(HEW40) LCH 5270MHz SU / Ant8 NTN



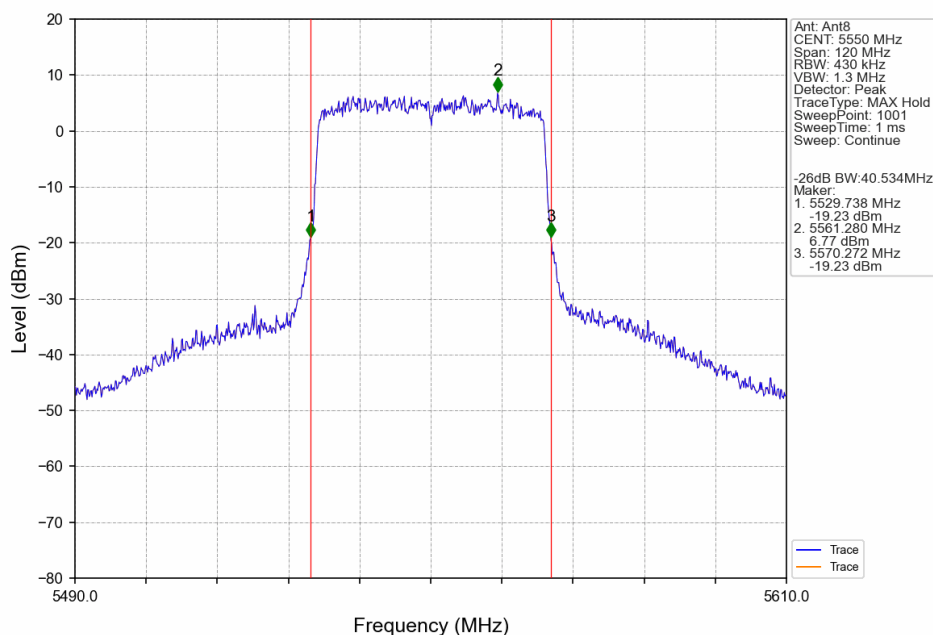
802.11ax(HEW40) HCH 5310MHz SU / Ant8 NTN



802.11ax(HEW40)_LCH 5510MHz SU / Ant8 NTN



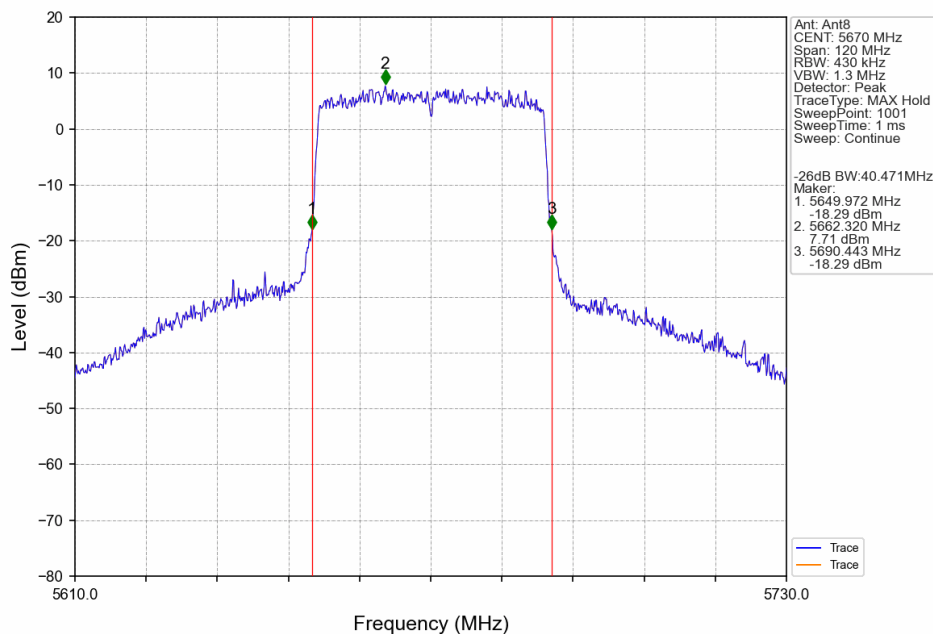
802.11ax(HEW40)_MCH 5550MHz SU / Ant8 NTN



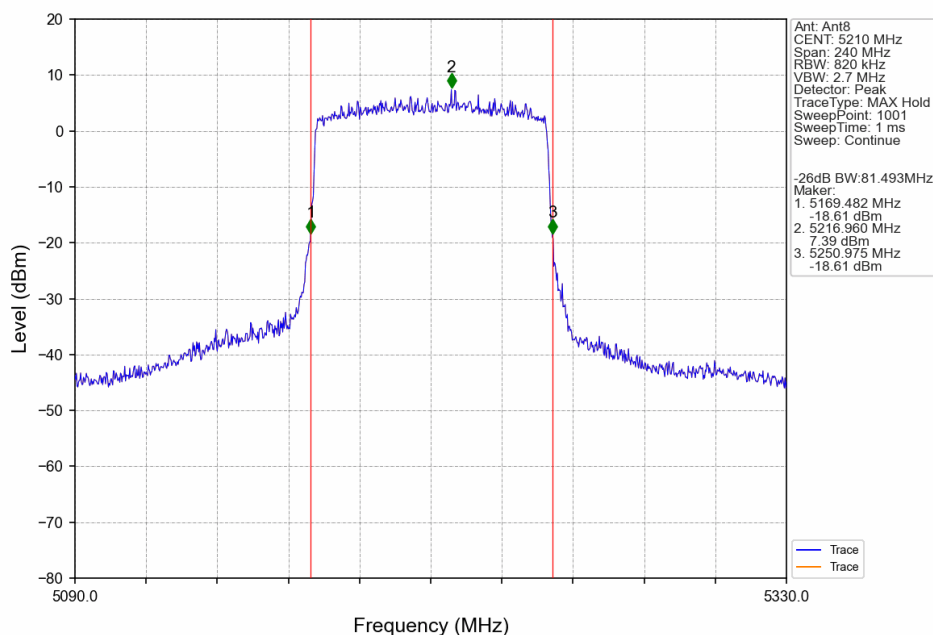
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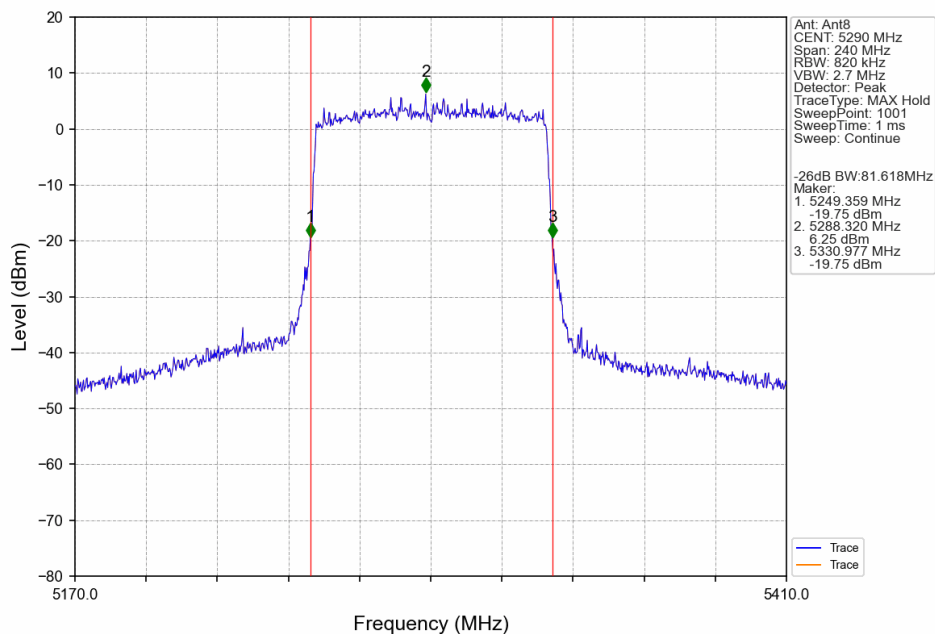
802.11ax(HEW40) HCH 5670MHz SU / Ant8 NTN



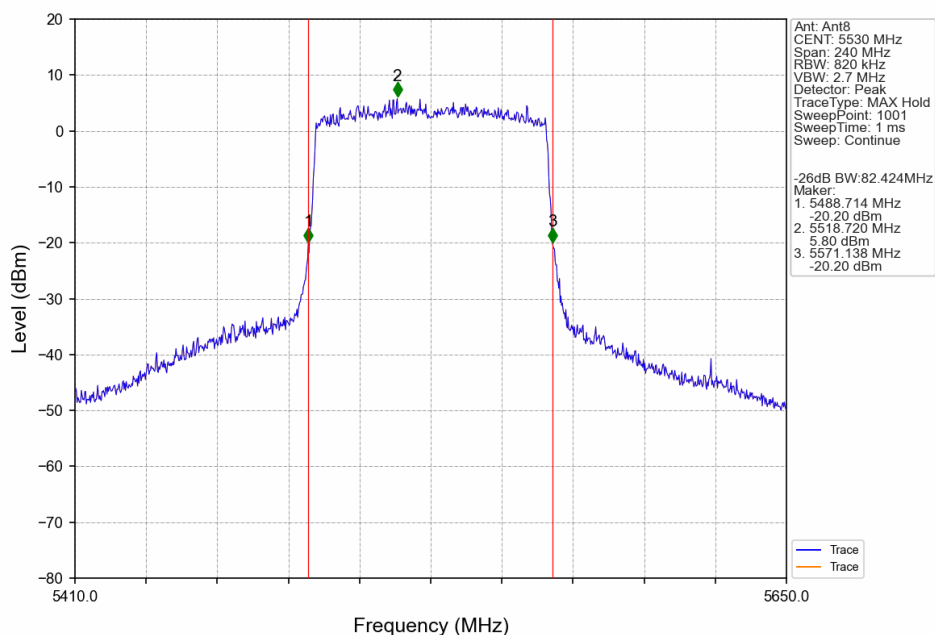
802.11ax(HEW80) MCH 5210MHz SU / Ant8 NTN

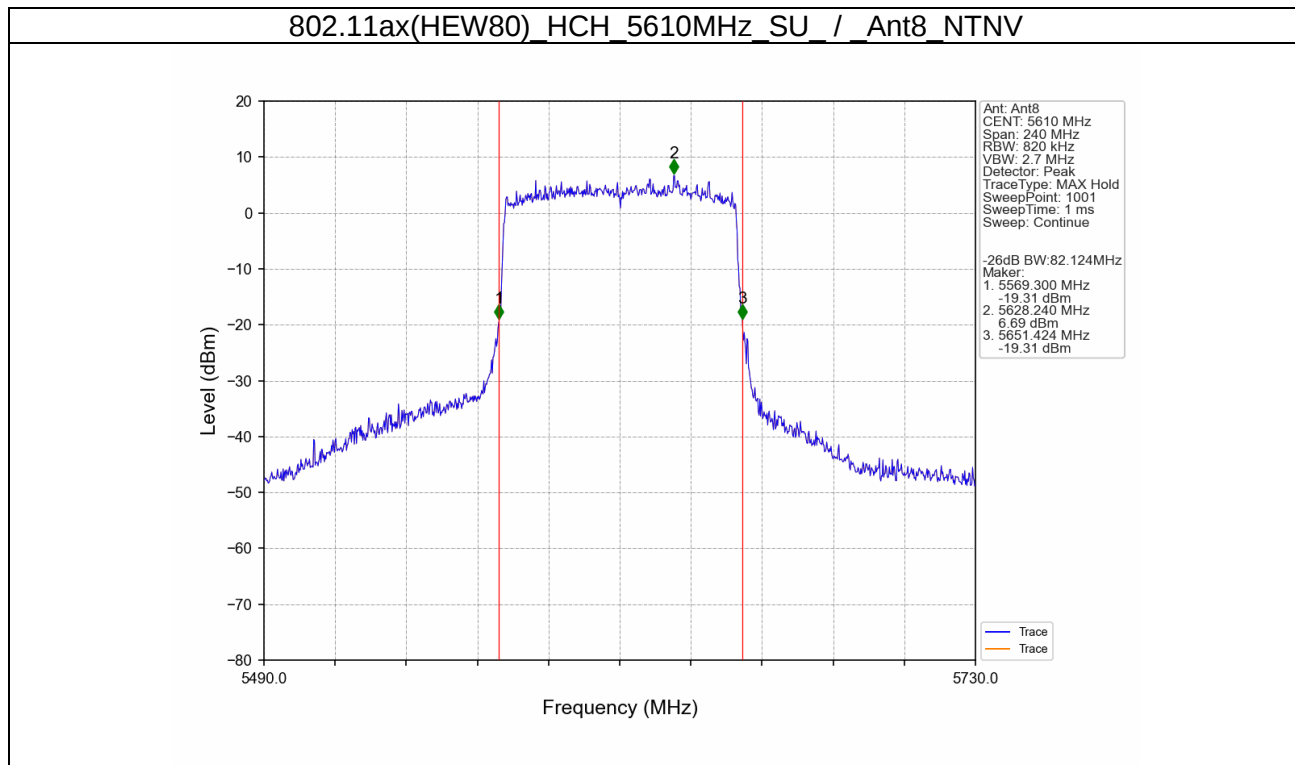


802.11ax(HEW80) MCH 5290MHz SU / Ant8 NTVN



802.11ax(HEW80) LCH 5530MHz SU / Ant8 NTVN





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
					ANT8	Limit	
802.11a	SISO	5180	/	/	13.60	<=23.98	Pass
		5200	/	/	13.55	<=23.98	Pass
		5240	/	/	13.76	<=23.98	Pass
		5260	/	/	13.63	<=23.98	Pass
		5300	/	/	13.83	<=23.93	Pass
		5320	/	/	13.88	<=23.94	Pass
		5500	/	/	15.70	<=23.95	Pass
		5580	/	/	16.01	<=23.98	Pass
		5700	/	/	16.50	<=23.97	Pass
		5745	/	/	14.90	<=30	Pass
		5785	/	/	15.64	<=30	Pass
		5825	/	/	16.01	<=30	Pass
802.11n (HT20)	SISO	5180	/	/	13.77	<=23.98	Pass
		5200	/	/	13.67	<=23.98	Pass
		5240	/	/	14.06	<=23.98	Pass
		5260	/	/	12.29	<=23.98	Pass
		5300	/	/	12.43	<=23.98	Pass
		5320	/	/	12.41	<=23.98	Pass
		5500	/	/	15.90	<=23.98	Pass
		5580	/	/	15.69	<=23.98	Pass
		5700	/	/	16.11	<=23.98	Pass
		5745	/	/	13.44	<=30	Pass
		5785	/	/	14.30	<=30	Pass
		5825	/	/	14.60	<=30	Pass
802.11n (HT40)	SISO	5190	/	/	12.10	<=23.98	Pass
		5230	/	/	12.32	<=23.98	Pass
		5270	/	/	12.15	<=23.98	Pass
		5310	/	/	12.17	<=23.98	Pass
		5510	/	/	12.16	<=23.98	Pass
		5550	/	/	12.84	<=23.98	Pass
		5670	/	/	13.16	<=23.98	Pass
		5755	/	/	13.28	<=30	Pass
		5795	/	/	14.40	<=30	Pass



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802.11ac (VHT20)	SISO	5180	/	/	13.72	<=23.98	Pass
		5200	/	/	13.63	<=23.98	Pass
		5240	/	/	14.00	<=23.98	Pass
		5260	/	/	12.30	<=23.98	Pass
		5300	/	/	12.39	<=23.98	Pass
		5320	/	/	12.41	<=23.98	Pass
		5500	/	/	15.86	<=23.98	Pass
		5580	/	/	15.55	<=23.98	Pass
		5700	/	/	16.04	<=23.98	Pass
		5745	/	/	13.44	<=30	Pass
		5785	/	/	14.30	<=30	Pass
		5825	/	/	14.54	<=30	Pass
802.11ac (VHT40)	SISO	5190	/	/	12.20	<=23.98	Pass
		5230	/	/	12.31	<=23.98	Pass
		5270	/	/	12.21	<=23.98	Pass
		5310	/	/	12.20	<=23.98	Pass
		5510	/	/	12.17	<=23.98	Pass
		5550	/	/	12.84	<=23.98	Pass
		5670	/	/	13.18	<=23.98	Pass
		5755	/	/	13.30	<=30	Pass
802.11ac (VHT80)	SISO	5795	/	/	14.40	<=30	Pass
		5210	/	/	12.06	<=23.98	Pass
		5290	/	/	12.25	<=23.98	Pass
		5530	/	/	12.62	<=23.98	Pass
		5610	/	/	13.16	<=23.98	Pass
802.11ax (HEW20)	SISO	5775	/	/	13.65	<=30	Pass
		5180	RU26	Left	6.94	<=23.98	Pass
			RU52	Left	9.47	<=23.98	Pass
			RU106	Left	10.40	<=23.98	Pass
			SU	/	13.95	<=23.98	Pass
		5200	RU26	Mid	7.14	<=23.98	Pass
			RU52	Mid	10.30	<=23.98	Pass
			RU106	Left	10.28	<=23.98	Pass
			SU	/	13.87	<=23.98	Pass
		5240	RU26	Right	6.87	<=23.98	Pass
			RU52	Right	9.58	<=23.98	Pass
			RU106	Right	10.05	<=23.98	Pass
			SU	/	13.59	<=23.98	Pass
		5260	RU26	Left	6.53	<=23.98	Pass
			RU52	Left	9.65	<=23.98	Pass
			RU106	Left	10.58	<=23.98	Pass
			SU	/	12.41	<=23.98	Pass
		5300	RU26	Mid	6.73	<=23.98	Pass
			RU52	Mid	9.81	<=23.98	Pass
			RU106	Left	10.67	<=23.98	Pass
			SU	/	12.05	<=23.98	Pass



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		5320	RU26	Right	6.59	<=23.98	Pass
			RU52	Right	9.89	<=23.98	Pass
			RU106	Right	10.61	<=23.98	Pass
			SU	/	12.00	<=23.98	Pass
		5500	RU26	Left	6.69	<=23.98	Pass
			RU52	Left	9.33	<=23.98	Pass
			RU106	Left	10.01	<=23.98	Pass
			SU	/	16.00	<=23.98	Pass
		5580	RU26	Mid	7.67	<=23.98	Pass
			RU52	Mid	10.58	<=23.98	Pass
			RU106	Left	11.21	<=23.98	Pass
			SU	/	15.79	<=23.98	Pass
		5700	RU26	Right	8.58	<=23.98	Pass
			RU52	Right	11.34	<=23.98	Pass
			RU106	Right	11.92	<=23.98	Pass
			SU	/	16.25	<=23.98	Pass
		5745	RU26	Left	7.00	<=30	Pass
			RU52	Left	10.16	<=30	Pass
			RU106	Left	10.78	<=30	Pass
			SU	/	13.62	<=30	Pass
		5785	RU26	Mid	7.60	<=30	Pass
			RU52	Mid	10.94	<=30	Pass
			RU106	Left	11.55	<=30	Pass
			SU	/	14.45	<=30	Pass
		5825	RU26	Right	8.70	<=30	Pass
			RU52	Right	11.83	<=30	Pass
			RU106	Right	12.47	<=30	Pass
			SU	/	14.76	<=30	Pass
802.11ax (HEW40)	SISO	5190	RU242	Left	10.98	<=23.98	Pass
			SU	/	12.26	<=23.98	Pass
		5230	RU242	Right	10.72	<=23.98	Pass
			SU	/	12.41	<=23.98	Pass
		5270	RU242	Left	10.83	<=23.98	Pass
			SU	/	12.38	<=23.98	Pass
		5310	RU242	Right	10.67	<=23.98	Pass
			SU	/	12.33	<=23.98	Pass
		5510	RU242	Left	9.83	<=23.98	Pass
			SU	/	12.41	<=23.98	Pass
		5550	RU242	Left	10.65	<=23.98	Pass
			SU	/	13.07	<=23.98	Pass
		5670	RU242	Right	11.80	<=23.98	Pass
			SU	/	13.26	<=23.98	Pass
		5755	RU242	Left	11.43	<=30	Pass
			SU	/	12.98	<=30	Pass
		5795	RU242	Right	12.49	<=30	Pass
			SU	/	14.05	<=30	Pass



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802.11ax (HEW80)	SISO	5210	RU484	Left	10.77	<=23.98	Pass
			SU	/	12.45	<=23.98	Pass
		5290	RU484	Left	10.36	<=23.98	Pass
			SU	/	12.13	<=23.98	Pass
		5530	RU484	Left	10.60	<=23.98	Pass
			SU	/	12.50	<=23.98	Pass
		5610	RU484	Right	11.66	<=23.98	Pass
			SU	/	13.56	<=23.98	Pass
		5775	RU484	Left	11.55	<=30	Pass
			SU	/	13.52	<=30	Pass

4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)		Verdict
					ANT8	Limit	
802.11a	SISO	5180	/	/	2.44	<=11	Pass
		5200	/	/	2.35	<=11	Pass
		5240	/	/	2.73	<=11	Pass
		5260	/	/	2.57	<=11	Pass
		5300	/	/	2.59	<=11	Pass
		5320	/	/	2.73	<=11	Pass
		5500	/	/	4.59	<=11	Pass
		5580	/	/	4.87	<=11	Pass
		5700	/	/	5.35	<=11	Pass
802.11n (HT20)	SISO	5180	/	/	2.46	<=11	Pass
		5200	/	/	2.31	<=11	Pass
		5240	/	/	2.61	<=11	Pass
		5260	/	/	0.92	<=11	Pass
		5300	/	/	1.09	<=11	Pass
		5320	/	/	1.11	<=11	Pass
		5500	/	/	4.55	<=11	Pass
		5580	/	/	4.23	<=11	Pass
		5700	/	/	4.73	<=11	Pass
802.11n (HT40)	SISO	5190	/	/	-2.32	<=11	Pass
		5230	/	/	-2.14	<=11	Pass
		5270	/	/	-2.24	<=11	Pass
		5310	/	/	-2.34	<=11	Pass
		5510	/	/	-2.26	<=11	Pass
		5550	/	/	-1.49	<=11	Pass
802.11ac	SISO	5670	/	/	-1.28	<=11	Pass
		5180	/	/	2.30	<=11	Pass



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(VHT20)		5200	/	/	2.16	<=11	Pass
		5240	/	/	2.54	<=11	Pass
		5260	/	/	0.83	<=11	Pass
		5300	/	/	1.00	<=11	Pass
		5320	/	/	0.98	<=11	Pass
		5500	/	/	4.53	<=11	Pass
		5580	/	/	4.15	<=11	Pass
		5700	/	/	4.59	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-2.31	<=11	Pass
		5230	/	/	-2.05	<=11	Pass
		5270	/	/	-2.17	<=11	Pass
		5310	/	/	-2.31	<=11	Pass
		5510	/	/	-2.24	<=11	Pass
		5550	/	/	-1.58	<=11	Pass
		5670	/	/	-1.21	<=11	Pass
802.11ac (VHT80)	SISO	5210	/	/	-5.58	<=11	Pass
		5290	/	/	-5.38	<=11	Pass
		5530	/	/	-5.01	<=11	Pass
		5610	/	/	-4.41	<=11	Pass
802.11ax (HEW20)	SISO	5180	RU26	Left	4.47	<=11	Pass
			RU52	Left	4.24	<=11	Pass
			RU106	Left	2.06	<=11	Pass
			SU	/	2.38	<=11	Pass
		5200	RU26	Mid	3.30	<=11	Pass
			RU52	Mid	4.78	<=11	Pass
			RU106	Left	1.90	<=11	Pass
			SU	/	2.29	<=11	Pass
		5240	RU26	Right	4.32	<=11	Pass
			RU52	Right	4.33	<=11	Pass
			RU106	Right	1.72	<=11	Pass
			SU	/	2.14	<=11	Pass
		5260	RU26	Left	4.31	<=11	Pass
			RU52	Left	4.49	<=11	Pass
			RU106	Left	2.20	<=11	Pass
			SU	/	0.77	<=11	Pass
		5300	RU26	Mid	3.02	<=11	Pass
			RU52	Mid	4.33	<=11	Pass
			RU106	Left	2.31	<=11	Pass
			SU	/	0.59	<=11	Pass
		5320	RU26	Right	4.30	<=11	Pass
			RU52	Right	4.29	<=11	Pass
			RU106	Right	2.10	<=11	Pass
			SU	/	0.36	<=11	Pass
		5500	RU26	Left	4.26	<=11	Pass
			RU52	Left	4.07	<=11	Pass
			RU106	Left	1.64	<=11	Pass



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		5580	SU	/	4.41	<=11	Pass
			RU26	Mid	4.00	<=11	Pass
			RU52	Mid	5.16	<=11	Pass
			RU106	Left	2.80	<=11	Pass
			SU	/	4.20	<=11	Pass
		5700	RU26	Right	6.02	<=11	Pass
			RU52	Right	5.89	<=11	Pass
			RU106	Right	3.45	<=11	Pass
			SU	/	4.65	<=11	Pass
802.11ax (HEW40)	SISO	5190	RU242	Left	-1.14	<=11	Pass
			SU	/	-2.28	<=11	Pass
		5230	RU242	Right	-1.13	<=11	Pass
			SU	/	-2.11	<=11	Pass
		5270	RU242	Left	-1.02	<=11	Pass
			SU	/	-2.27	<=11	Pass
		5310	RU242	Right	-1.45	<=11	Pass
			SU	/	-2.31	<=11	Pass
		5510	RU242	Left	-2.32	<=11	Pass
			SU	/	-1.98	<=11	Pass
		5550	RU242	Left	-1.27	<=11	Pass
			SU	/	-1.47	<=11	Pass
802.11ax (HEW80)	SISO	5670	RU242	Right	-0.10	<=11	Pass
			SU	/	-1.25	<=11	Pass
		5210	RU484	Left	-4.31	<=11	Pass
			SU	/	-5.23	<=11	Pass
		5290	RU484	Left	-4.60	<=11	Pass
			SU	/	-5.47	<=11	Pass
		5530	RU484	Left	-4.53	<=11	Pass
			SU	/	-5.20	<=11	Pass
		5610	RU484	Right	-3.32	<=11	Pass
			SU	/	-4.15	<=11	Pass



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4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT8	Limit	
802.11a	SISO	5745	/	/	0.79	<=30	Pass
		5785	/	/	1.58	<=30	Pass
		5825	/	/	2.04	<=30	Pass
802.11n (HT20)	SISO	5745	/	/	-0.81	<=30	Pass
		5785	/	/	-0.01	<=30	Pass
		5825	/	/	0.35	<=30	Pass
802.11n (HT40)	SISO	5755	/	/	-4.18	<=30	Pass
		5795	/	/	-3.00	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-0.80	<=30	Pass
		5785	/	/	0.02	<=30	Pass
		5825	/	/	0.18	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-4.07	<=30	Pass
		5795	/	/	-3.08	<=30	Pass
802.11ac (VHT80)	SISO	5775	/	/	-6.76	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU26	Left	1.74	<=30	Pass
			RU52	Left	1.99	<=30	Pass
			RU106	Left	-0.42	<=30	Pass
			SU	/	-1.03	<=30	Pass
		5785	RU26	Mid	1.87	<=30	Pass
			RU52	Mid	2.42	<=30	Pass
			RU106	Left	0.20	<=30	Pass
			SU	/	-0.03	<=30	Pass
		5825	RU26	Right	3.47	<=30	Pass
			RU52	Right	3.49	<=30	Pass
			RU106	Right	0.94	<=30	Pass
			SU	/	0.21	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU242	Left	-3.61	<=30	Pass
			SU	/	-4.52	<=30	Pass
		5795	RU242	Right	-2.51	<=30	Pass
			SU	/	-3.43	<=30	Pass
802.11ax (HEW80)	SISO	5775	RU484	Left	-6.55	<=30	Pass
			SU	/	-6.99	<=30	Pass



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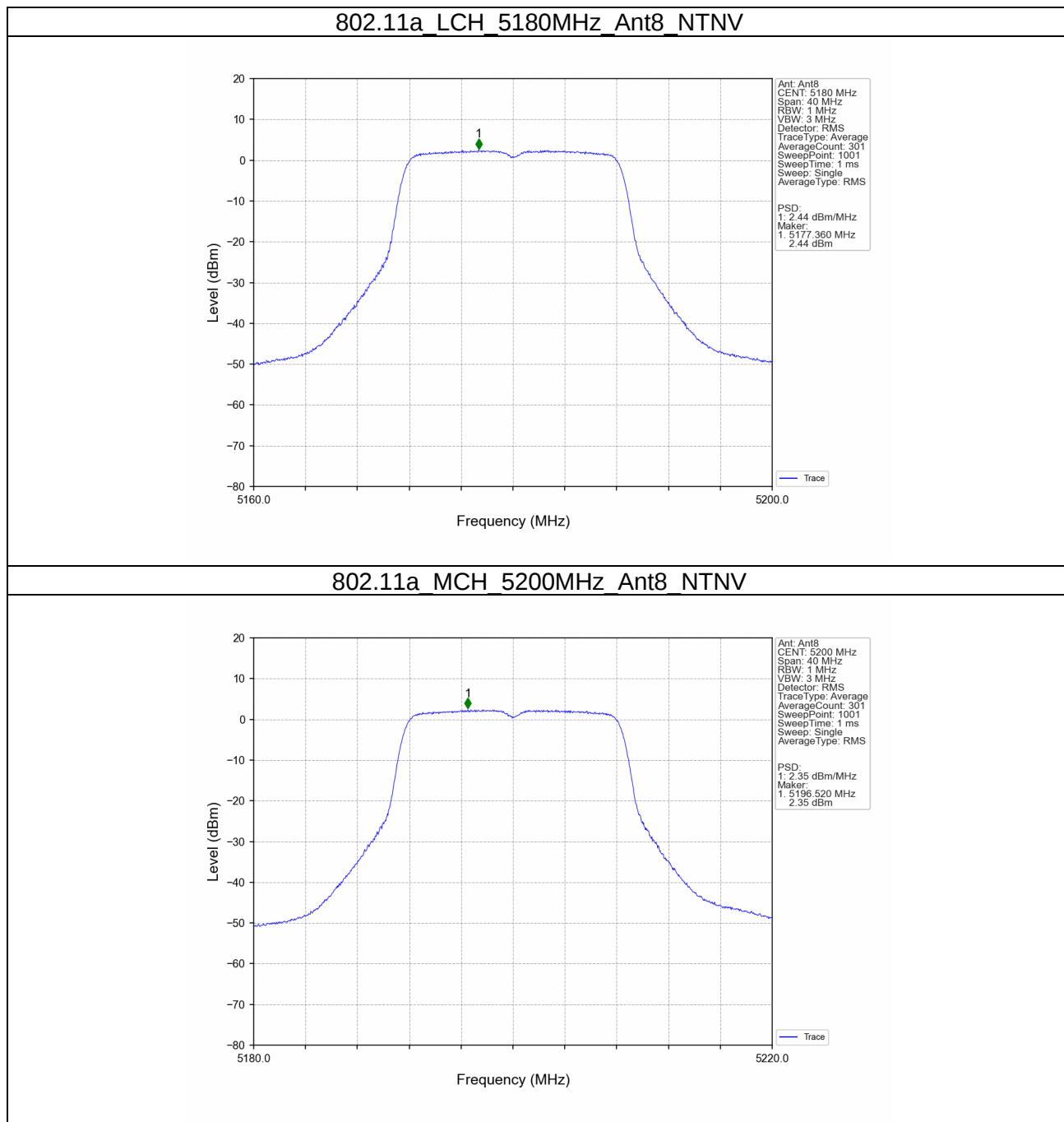
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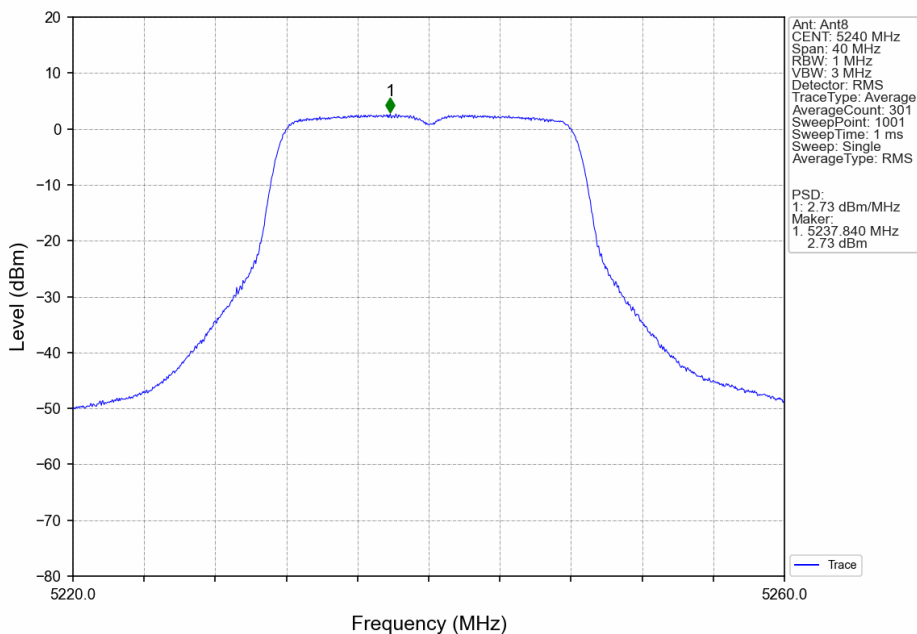
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4.2 Test Graph

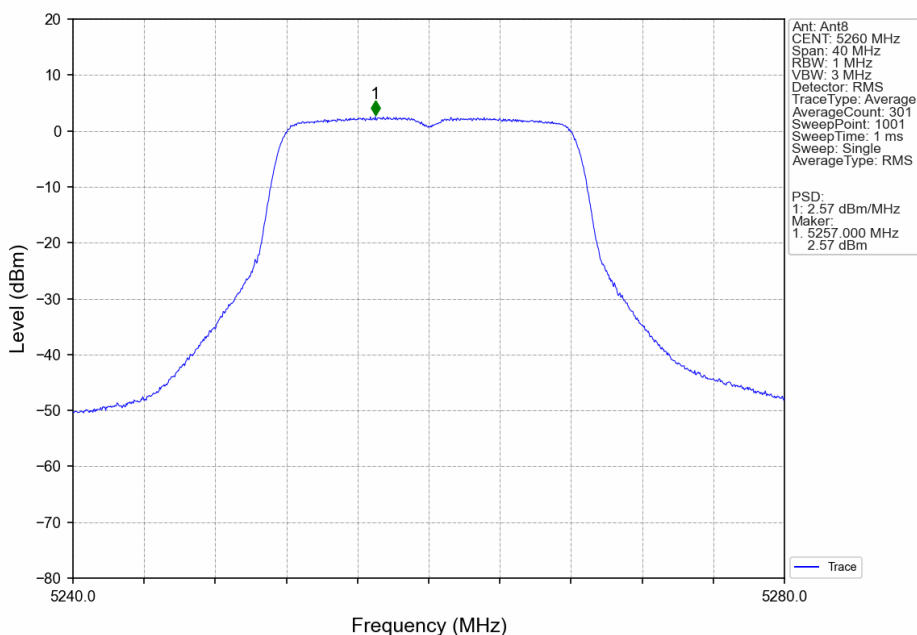
4.2.1 PSD



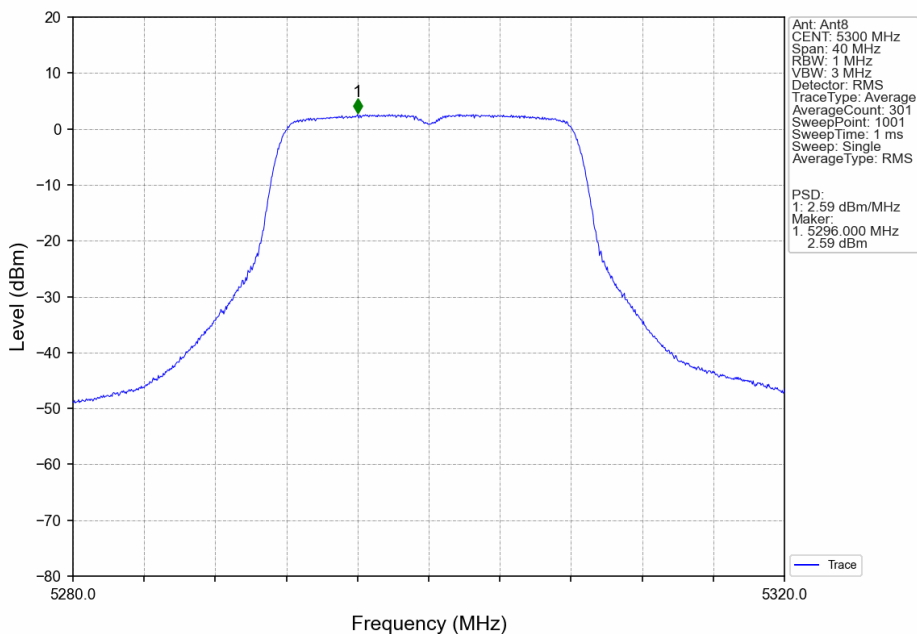
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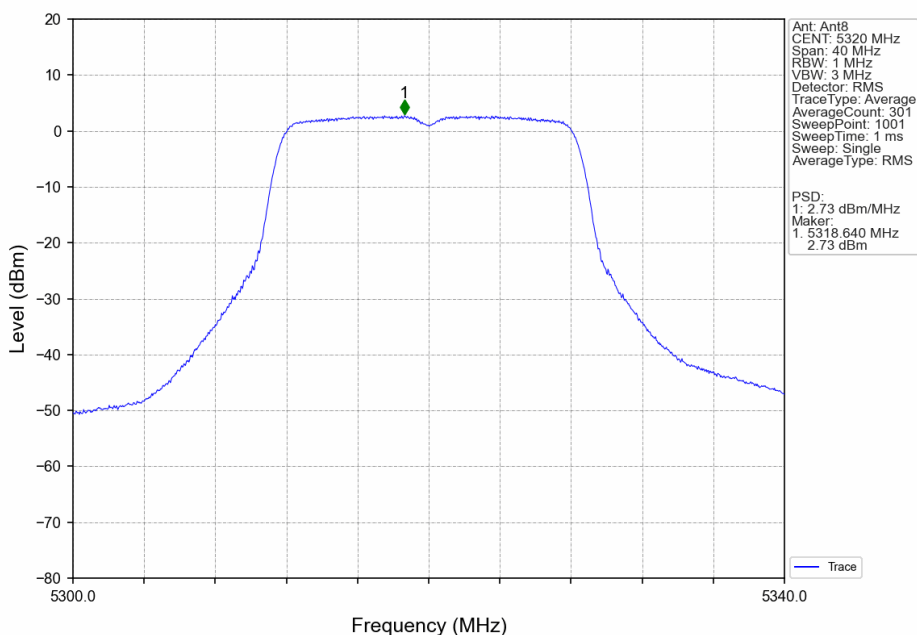
802.11a LCH 5260MHz Ant8 NTN



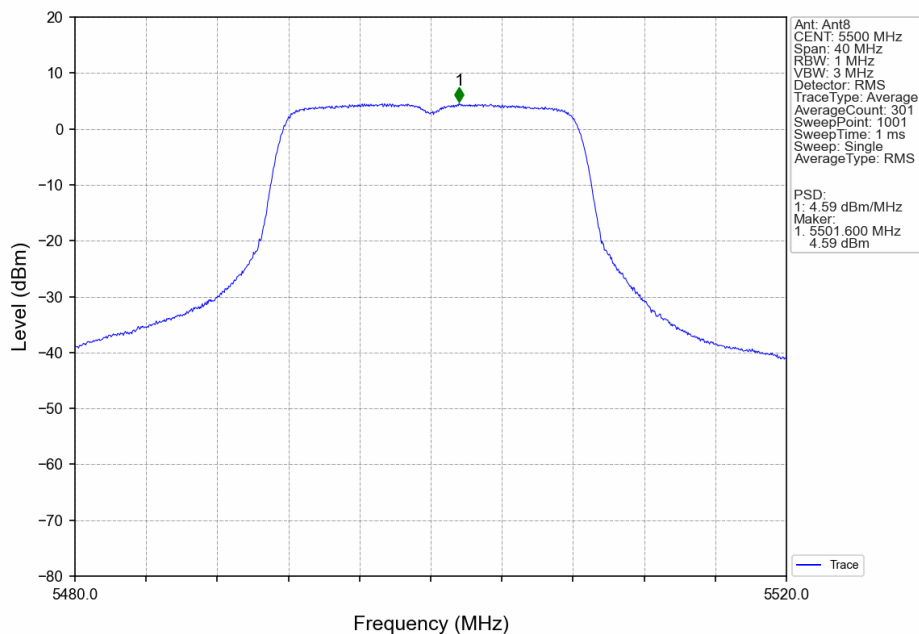
802.11a MCH 5300MHz Ant8 NTN



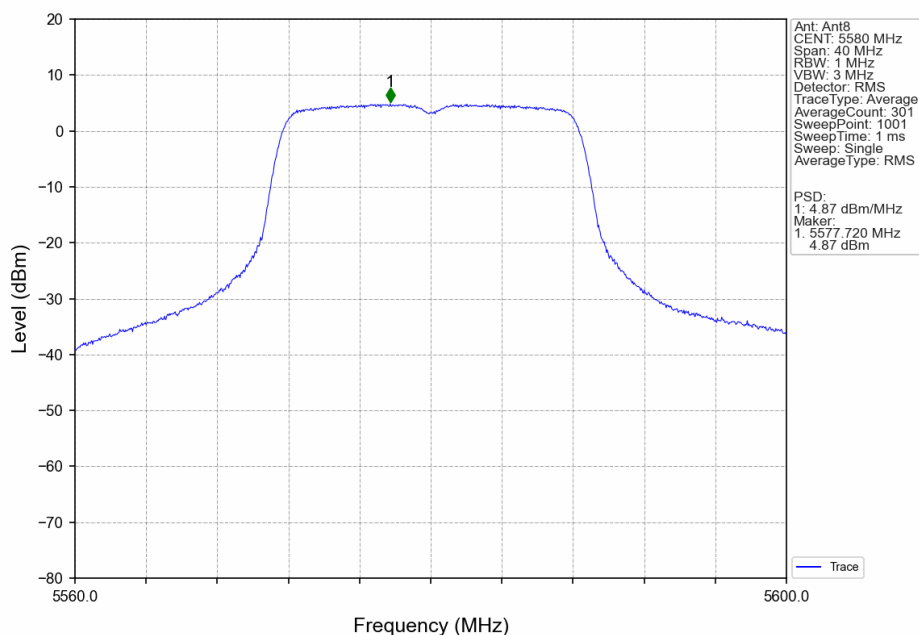
802.11a HCH 5320MHz Ant8 NTN



802.11a_LCH 5500MHz_Ant8_NTNV



802.11a_MCH 5580MHz_Ant8_NTNV



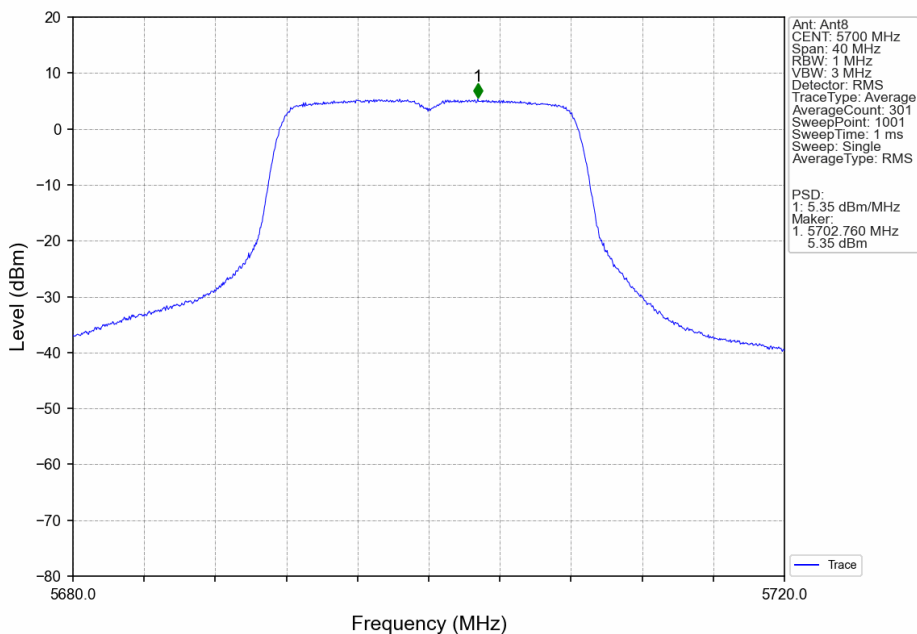
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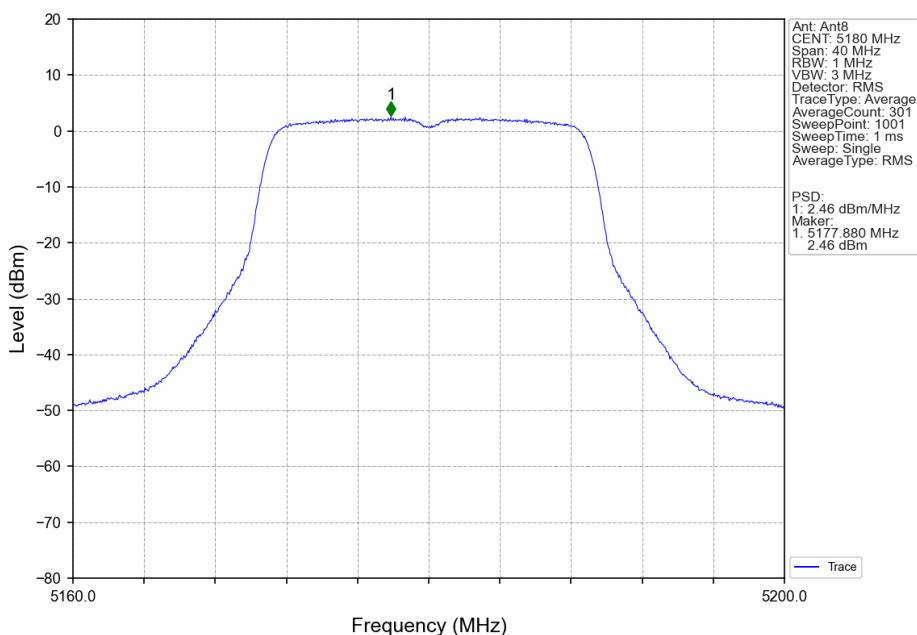
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802.11a HCH 5700MHz Ant8_NTNV



802.11n(HT20) LCH 5180MHz Ant8_NTNV



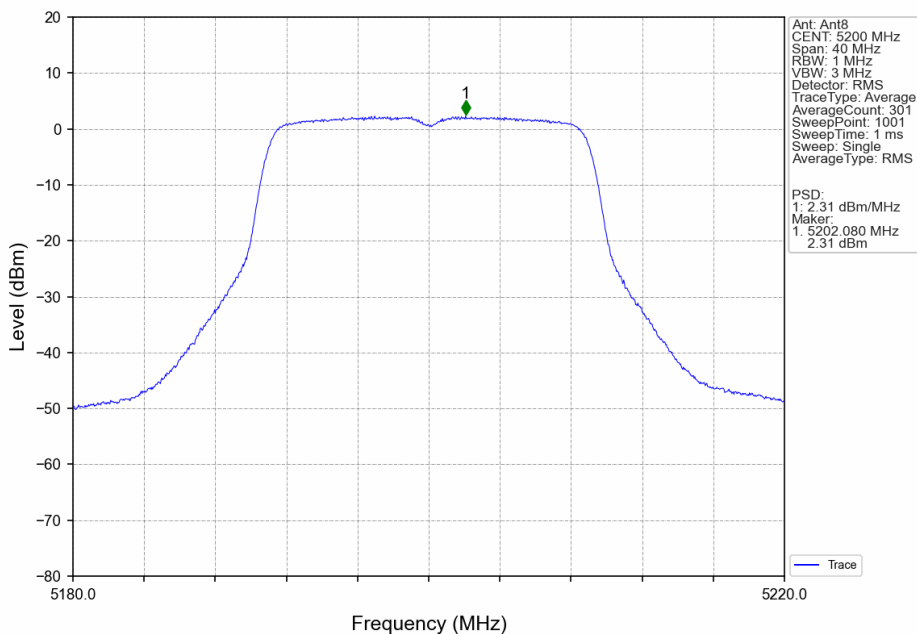
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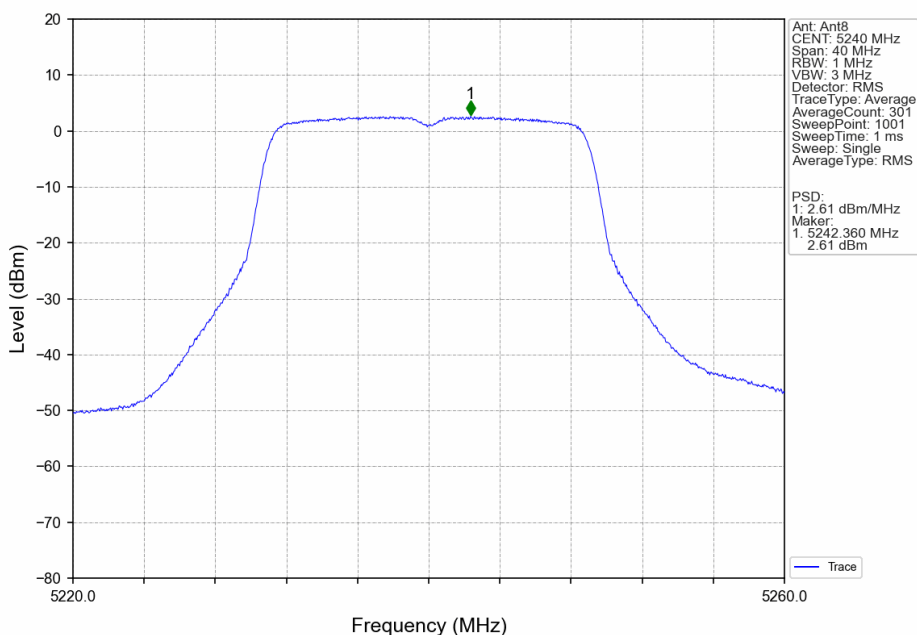
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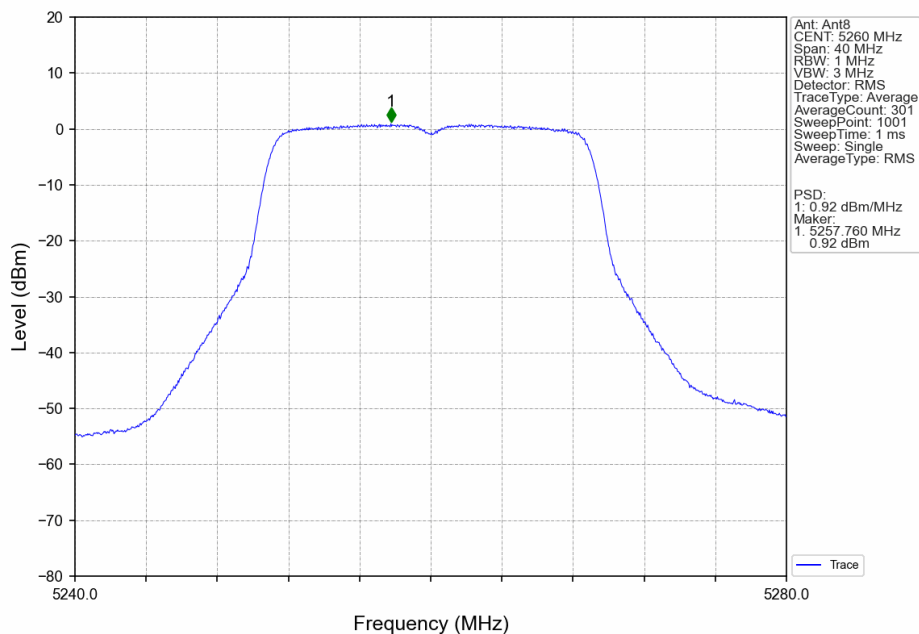
802.11n(HT20)_MCH_5200MHz_Ant8_NTNV



802.11n(HT20)_HCH_5240MHz_Ant8_NTNV



802.11n(HT20) LCH 5260MHz Ant8_NTNV



802.11n(HT20) MCH 5300MHz Ant8_NTNV

