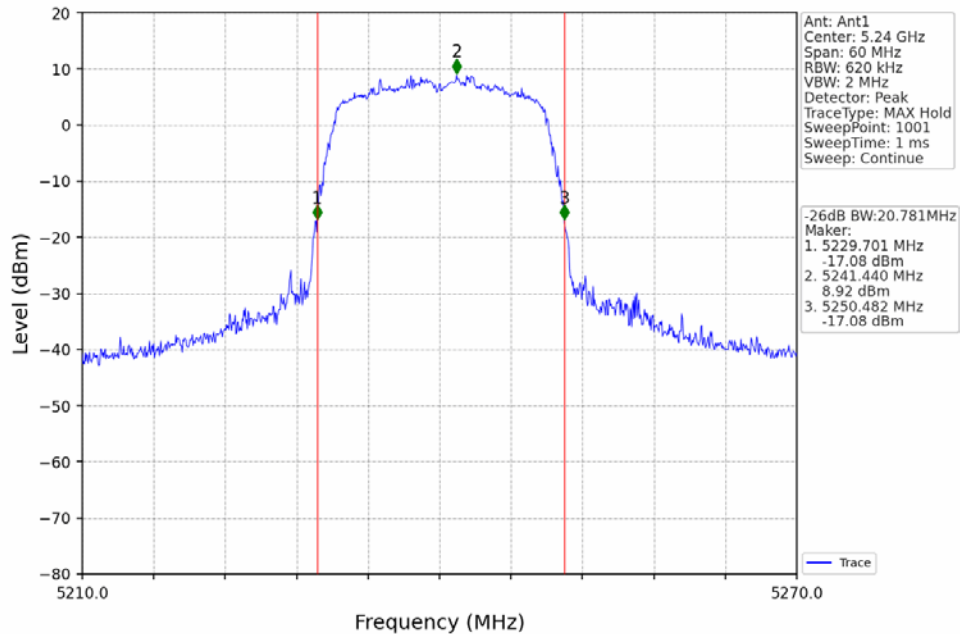
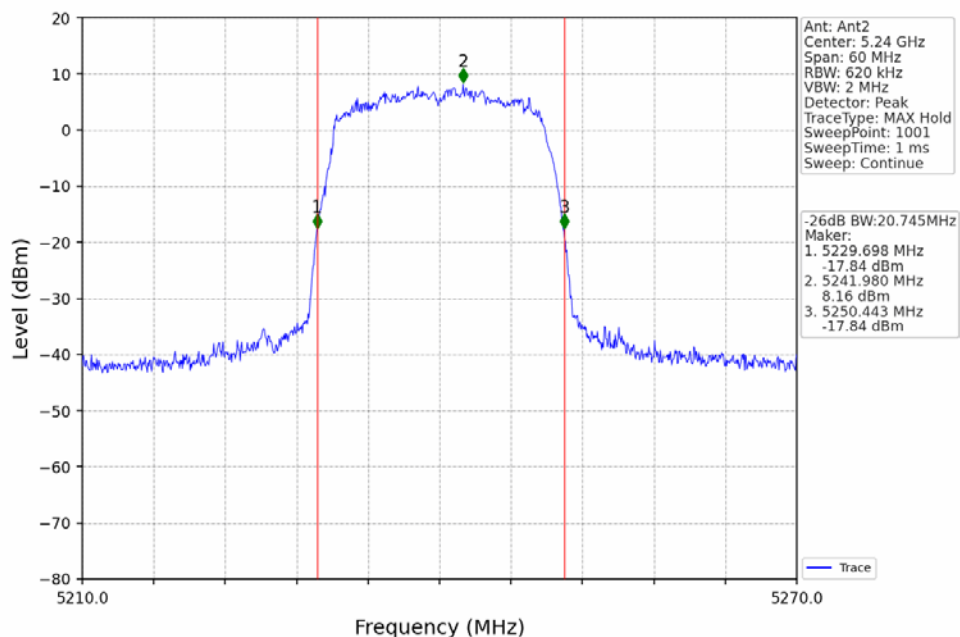


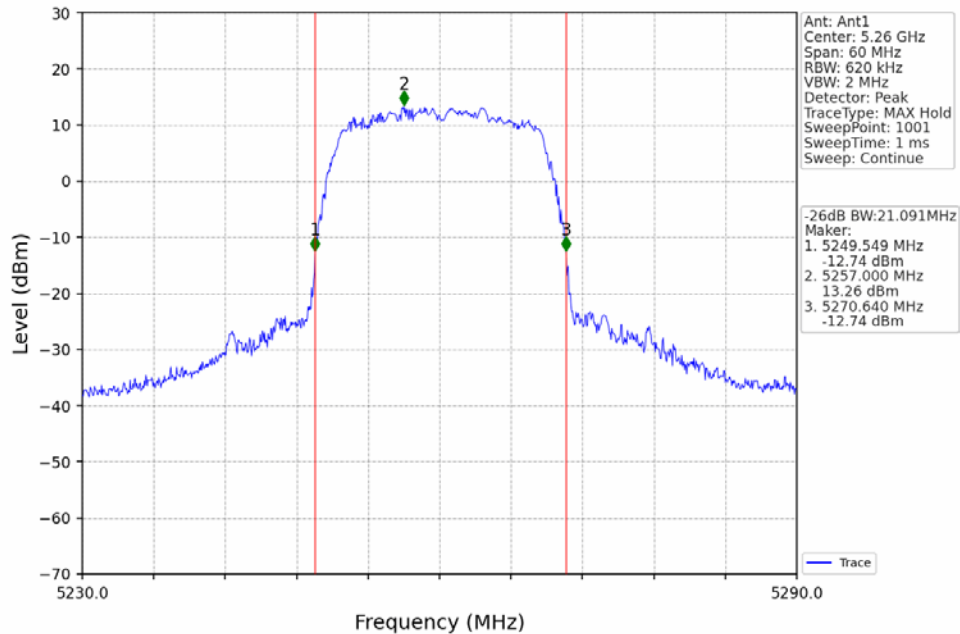
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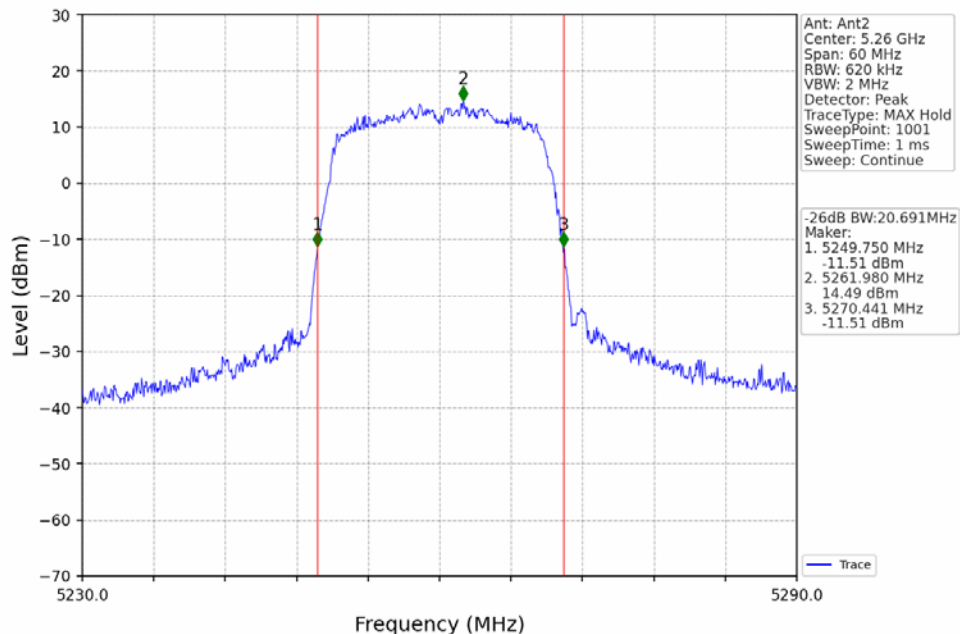
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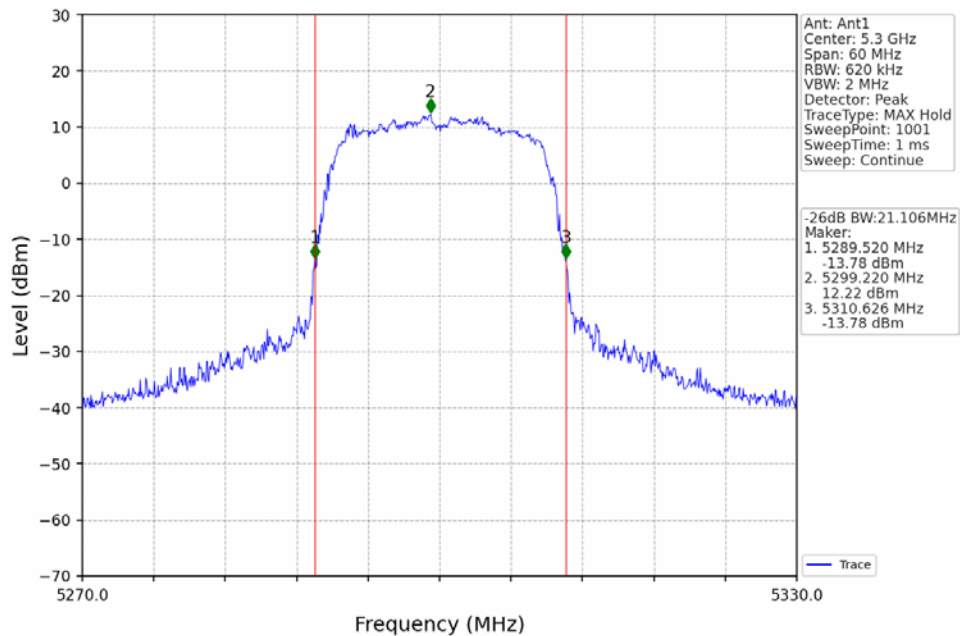
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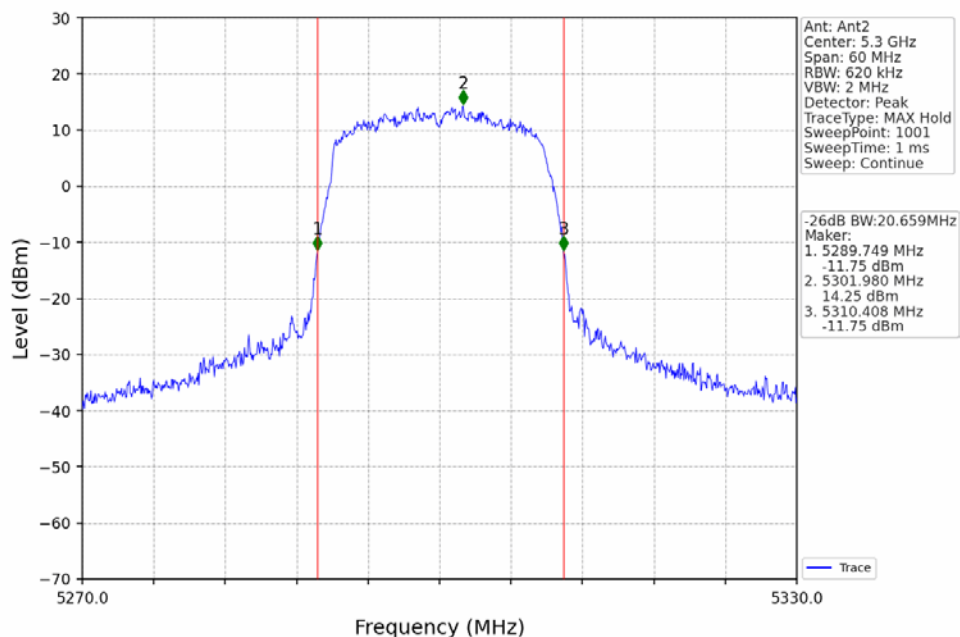
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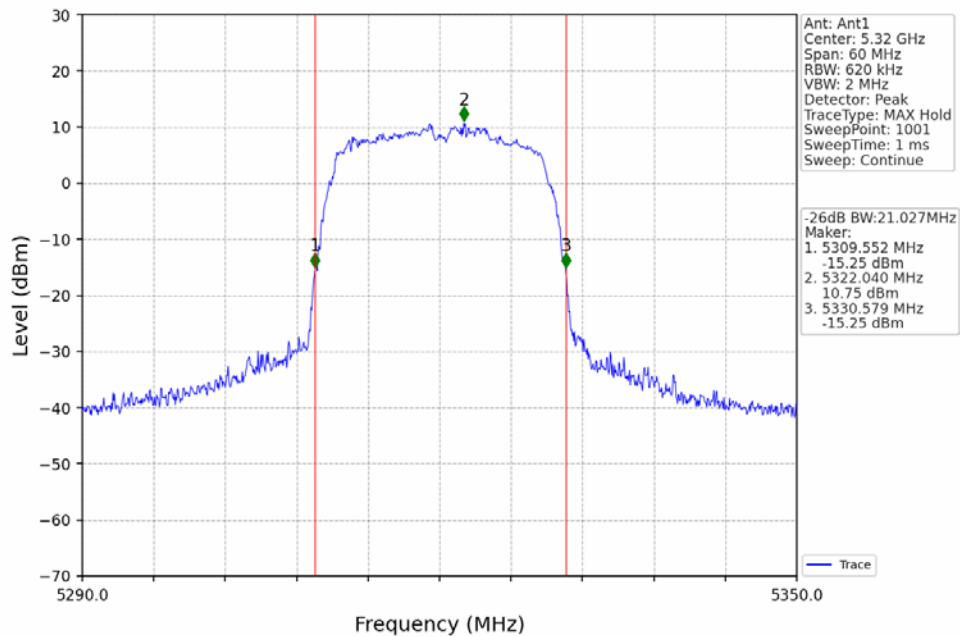
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



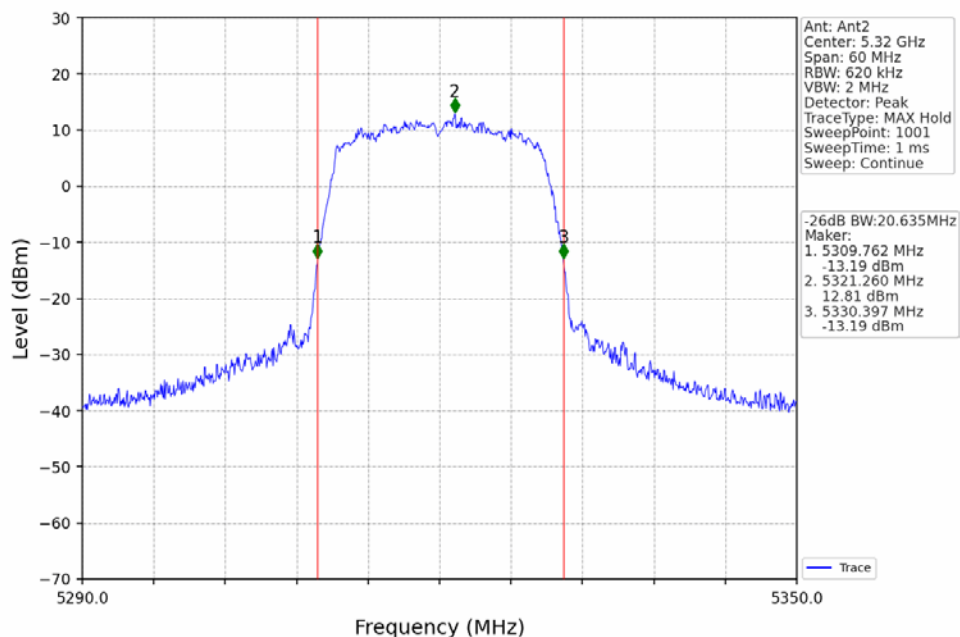
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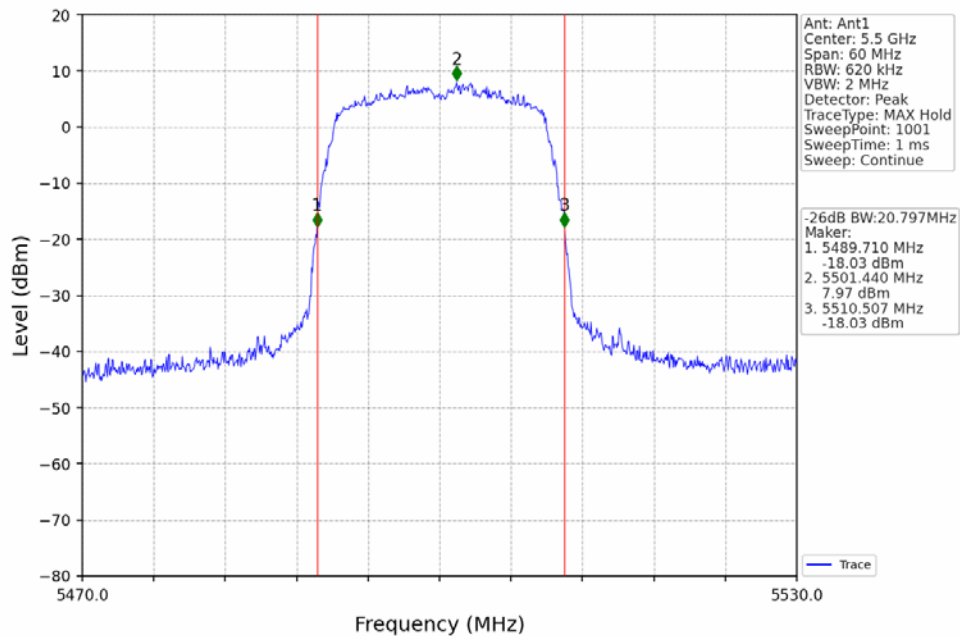
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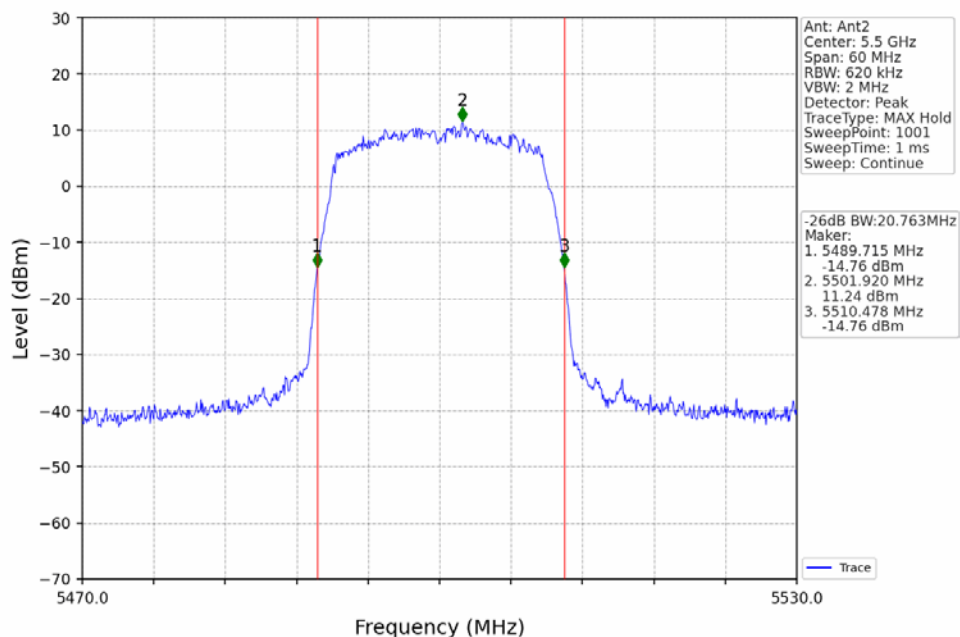
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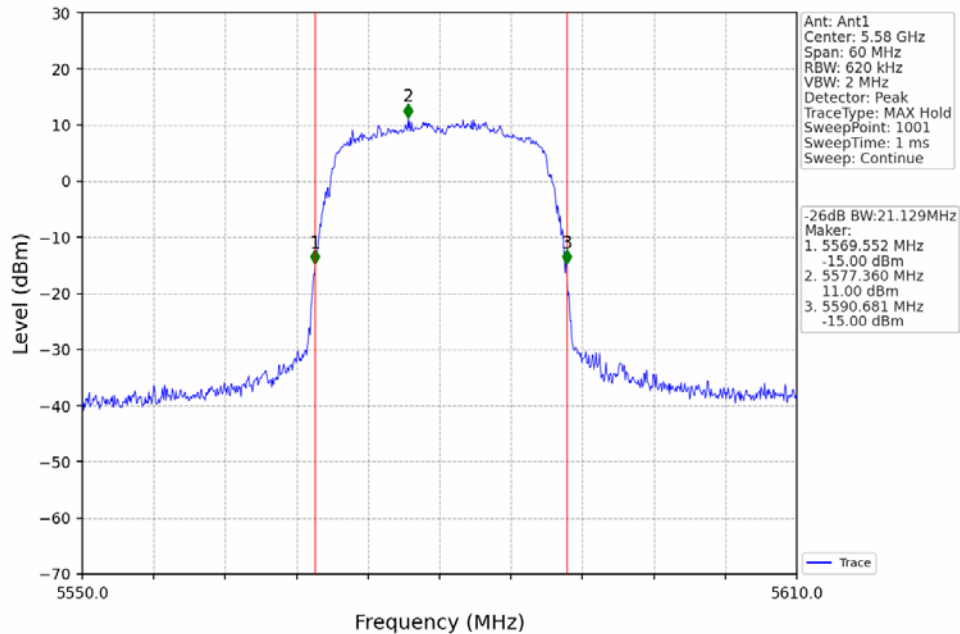
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



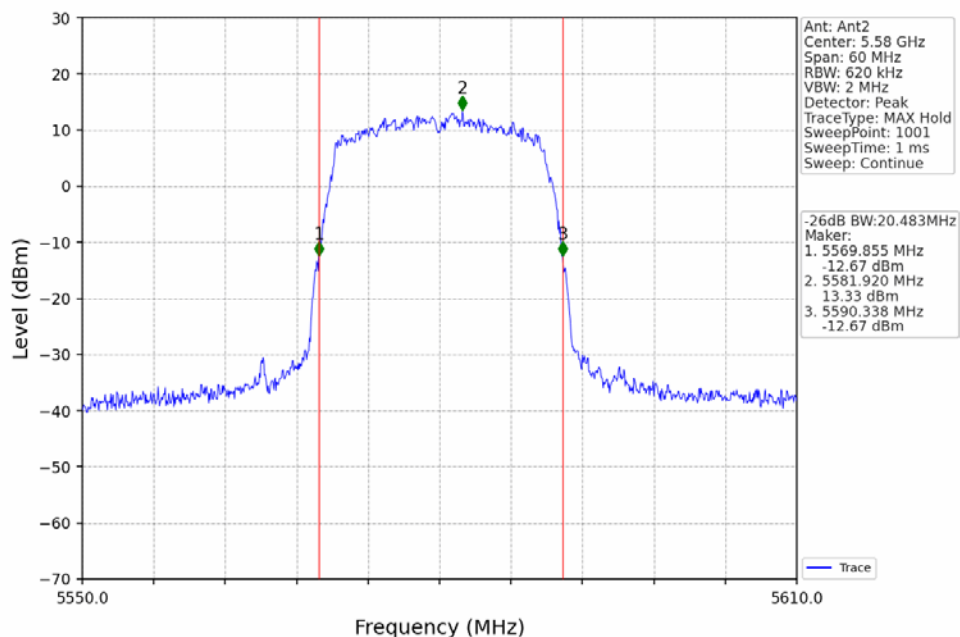
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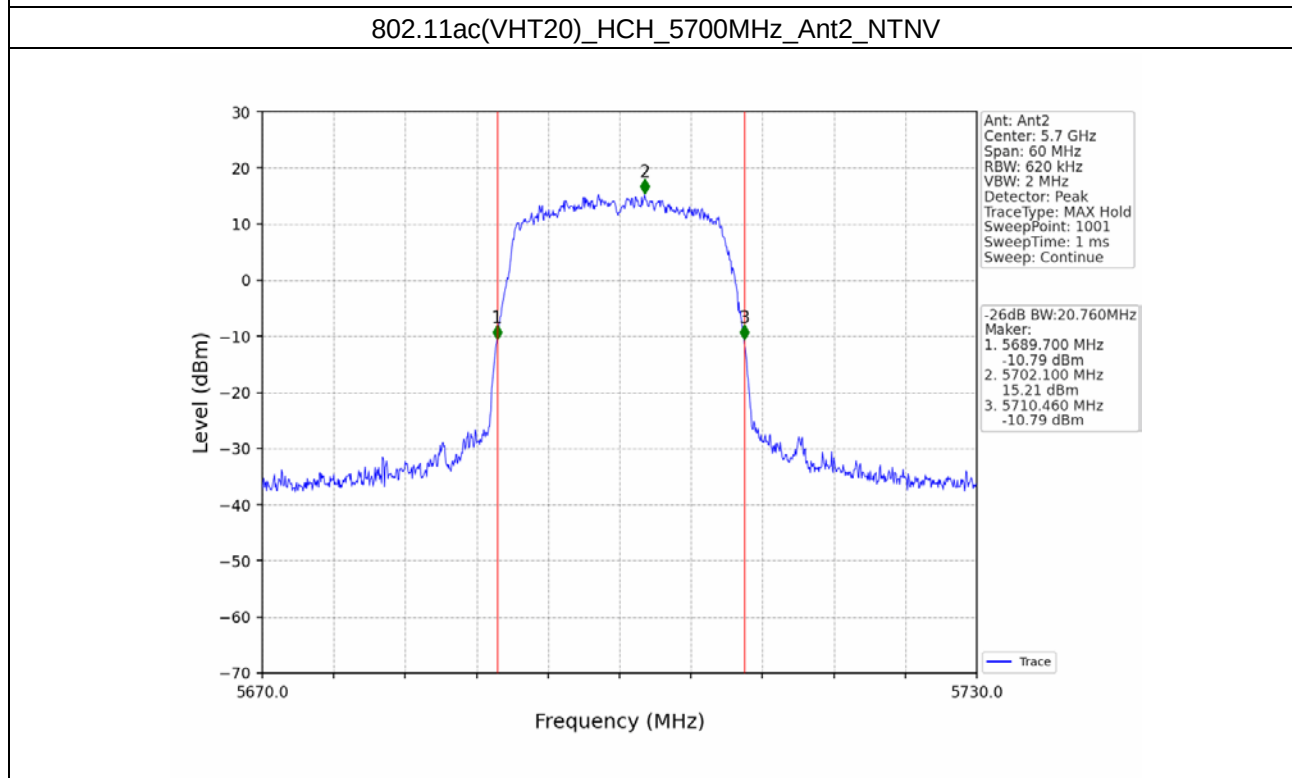
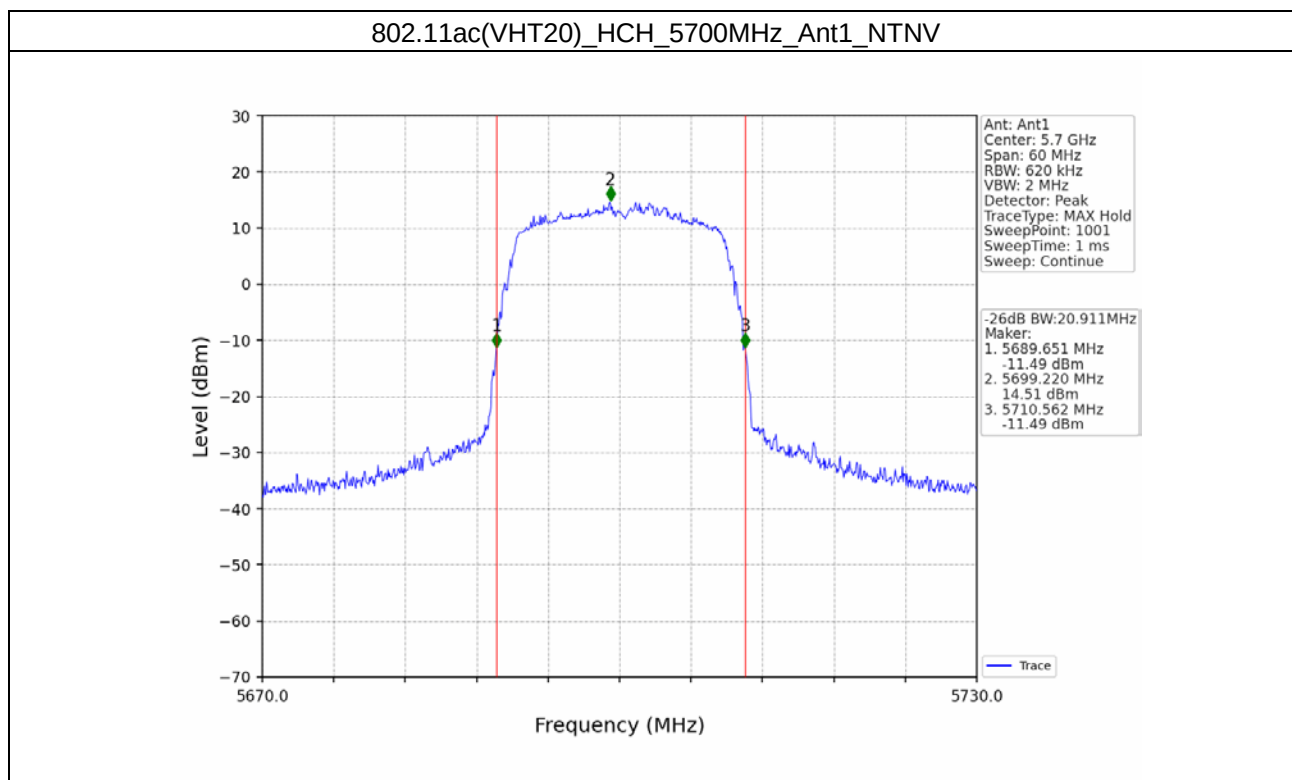


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802.11ac(VHT20)_MCH_5580MHz_Ant2_NTNV



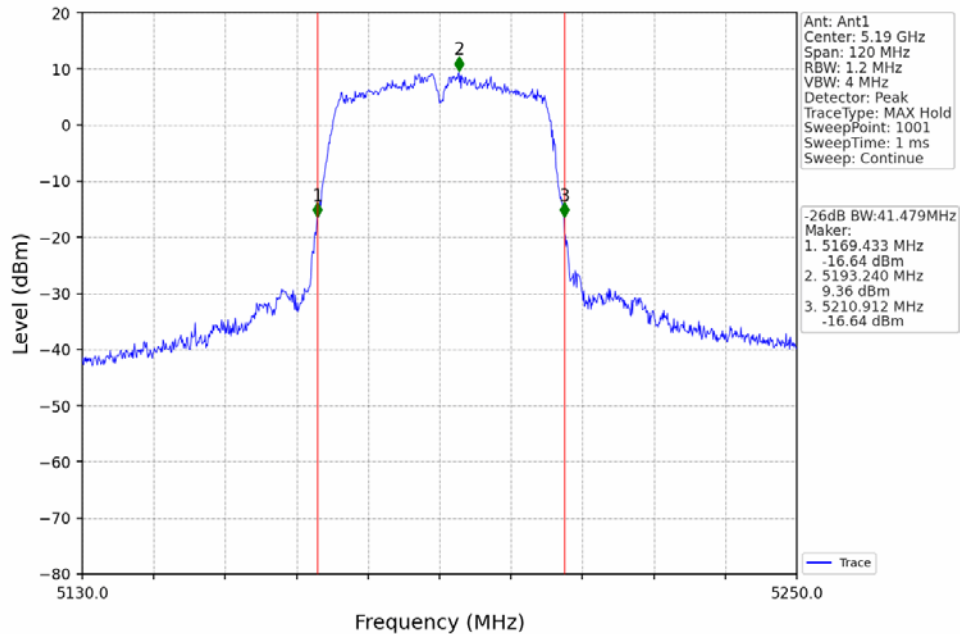


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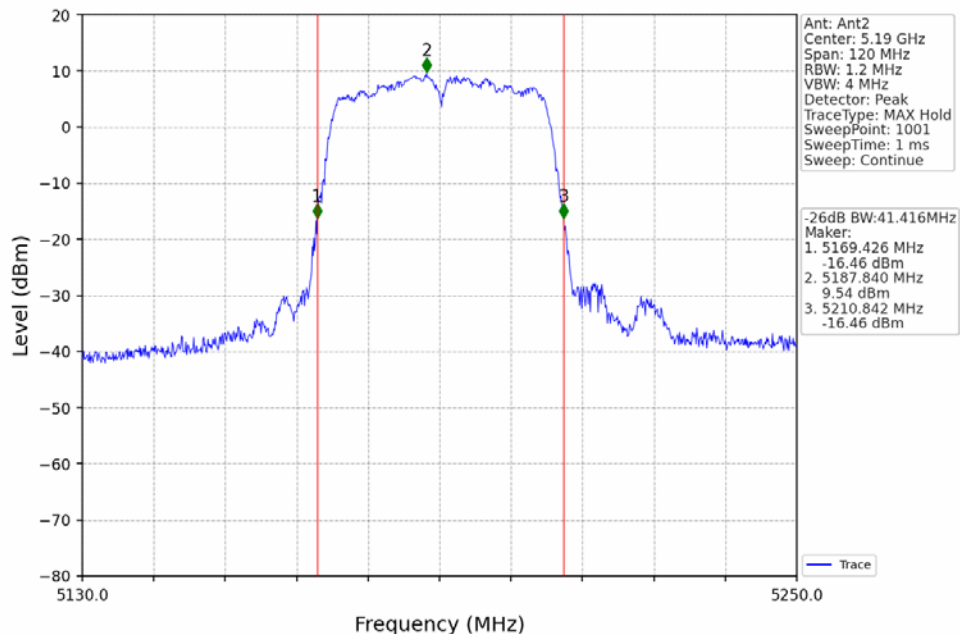
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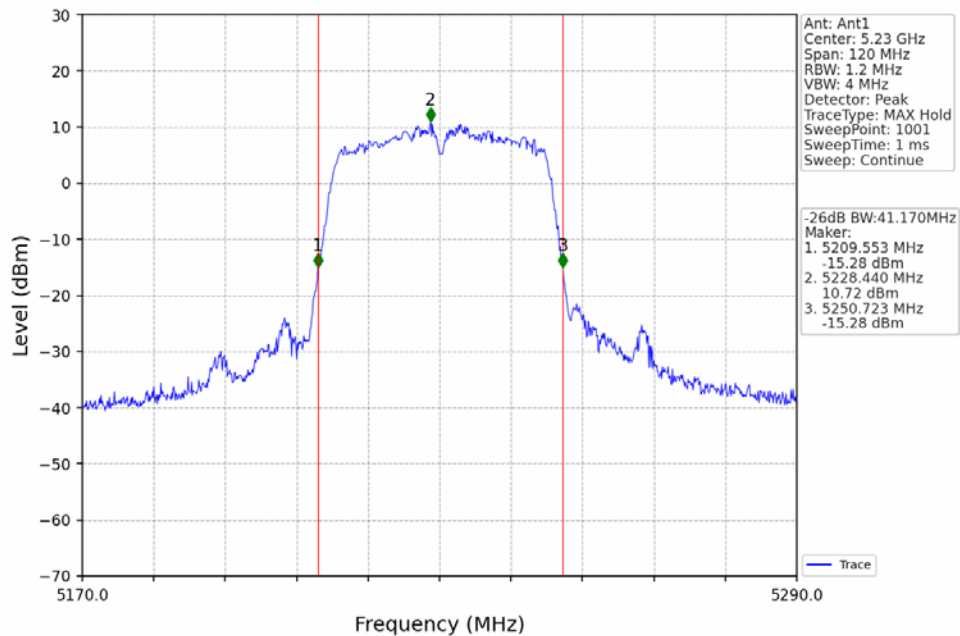
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



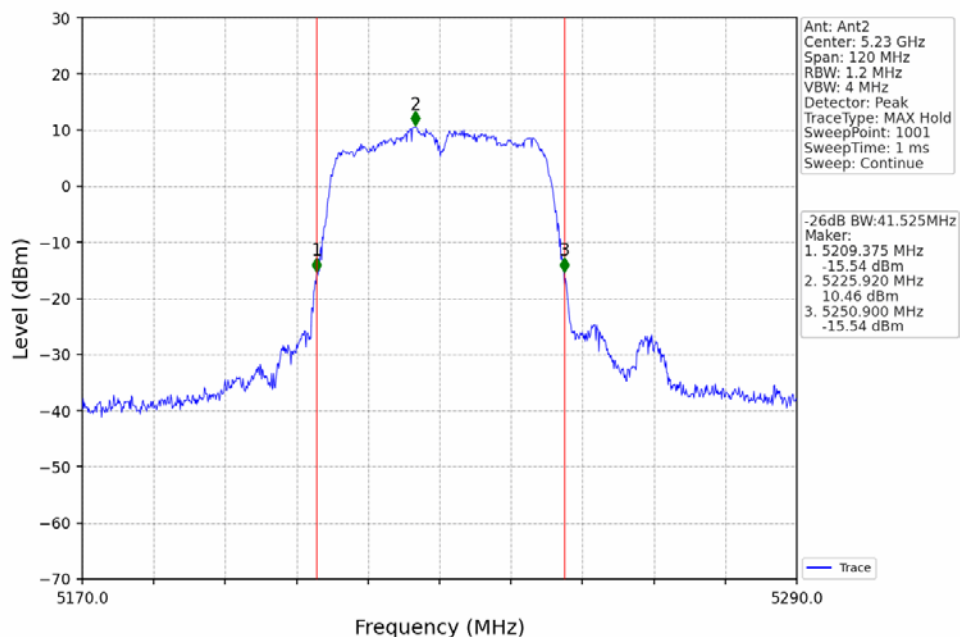
802.11ac(VHT40)_LCH_5190MHz_Ant2_NTNV

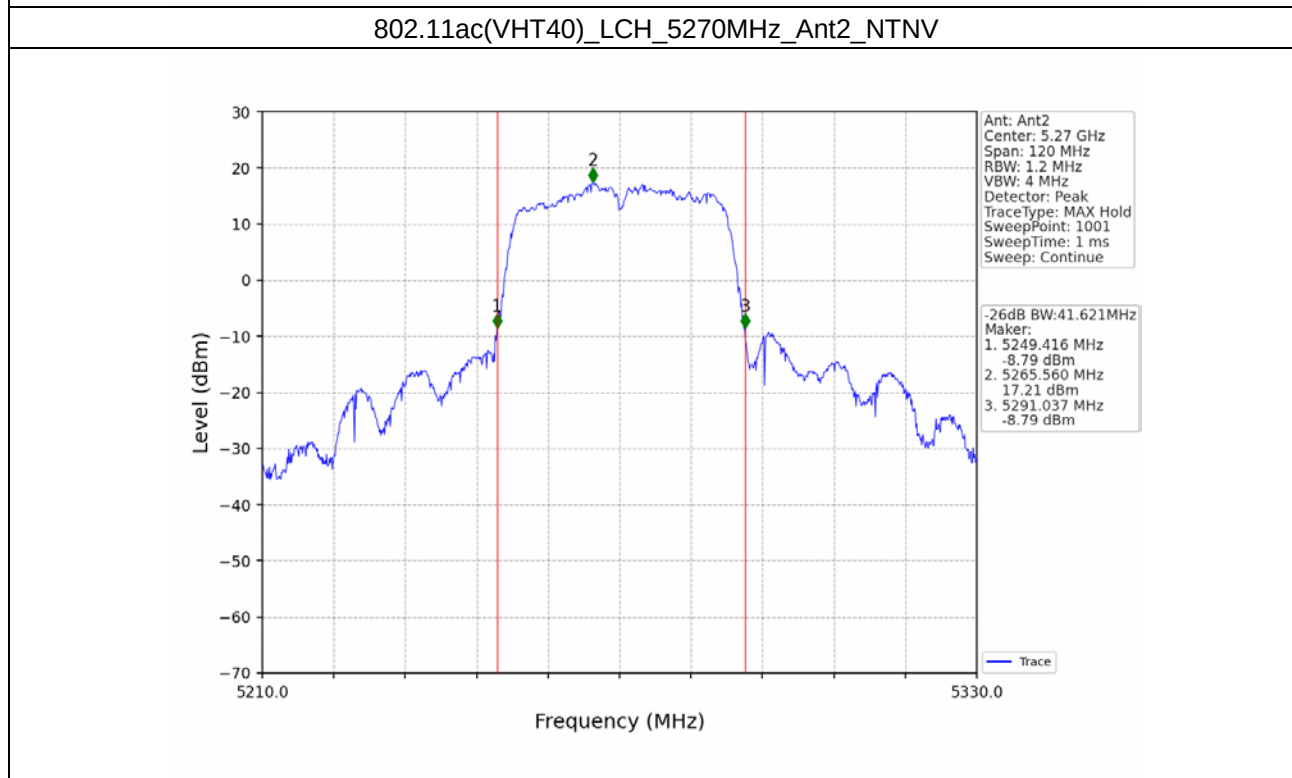
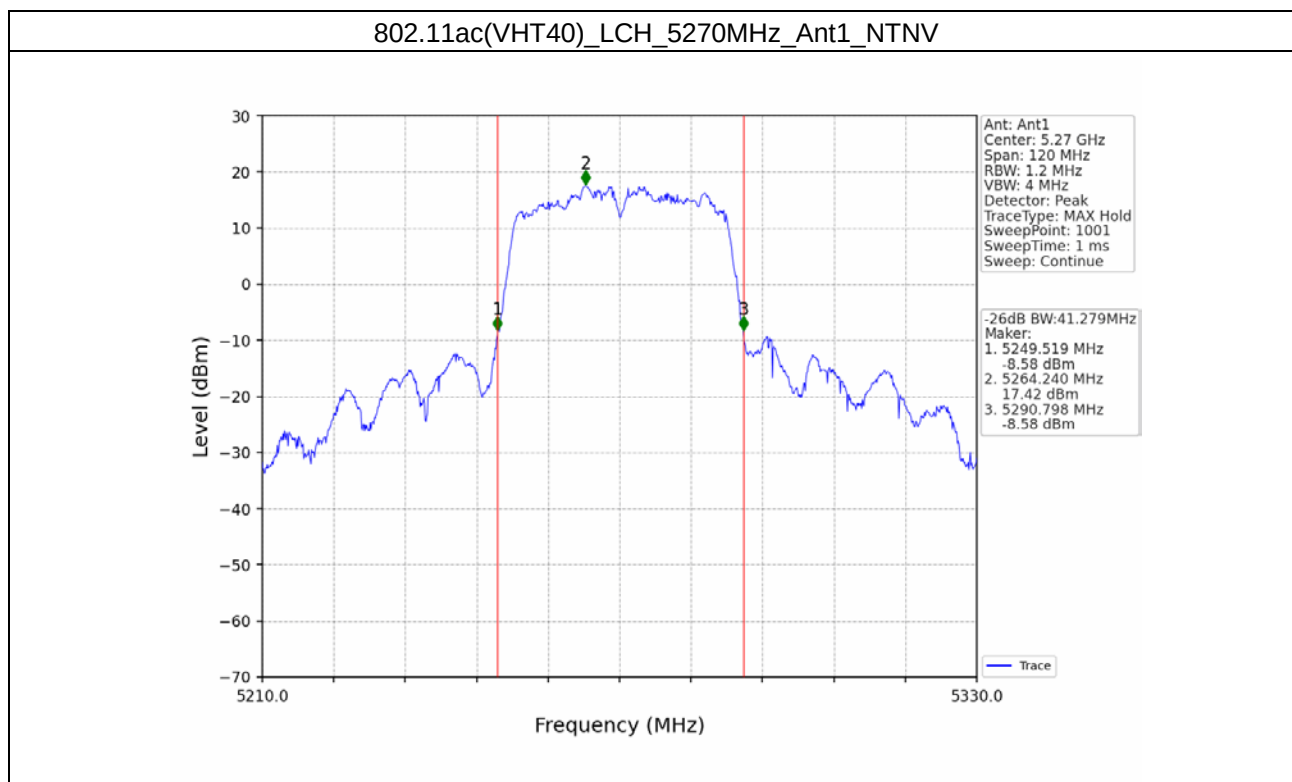


802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant2_NTNV





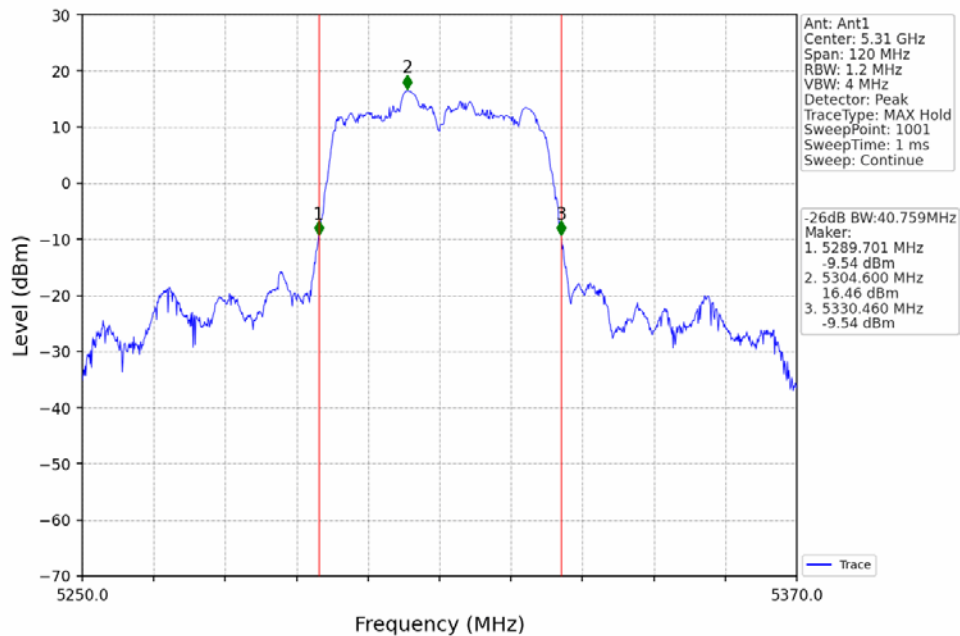
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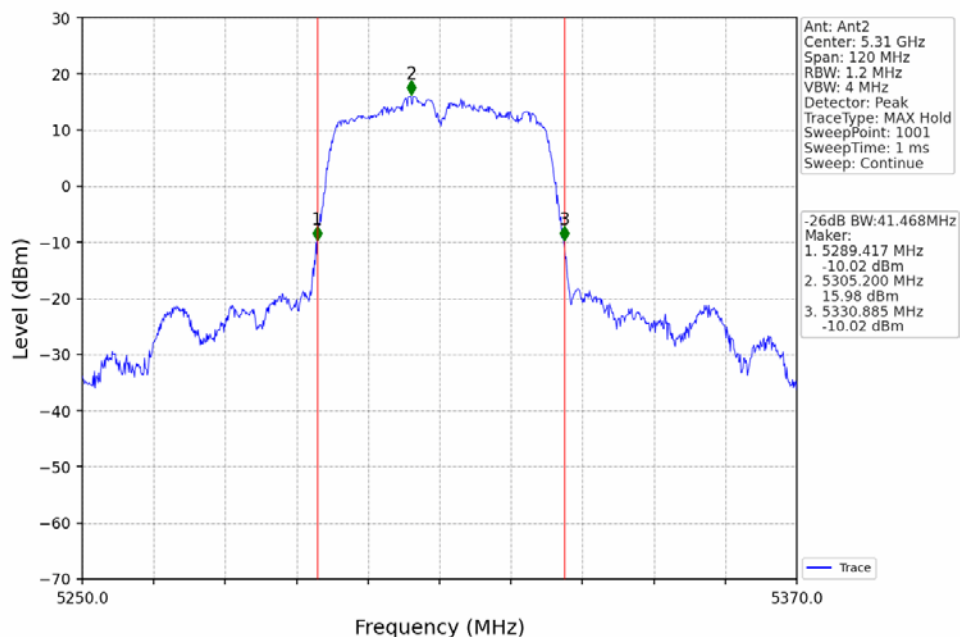
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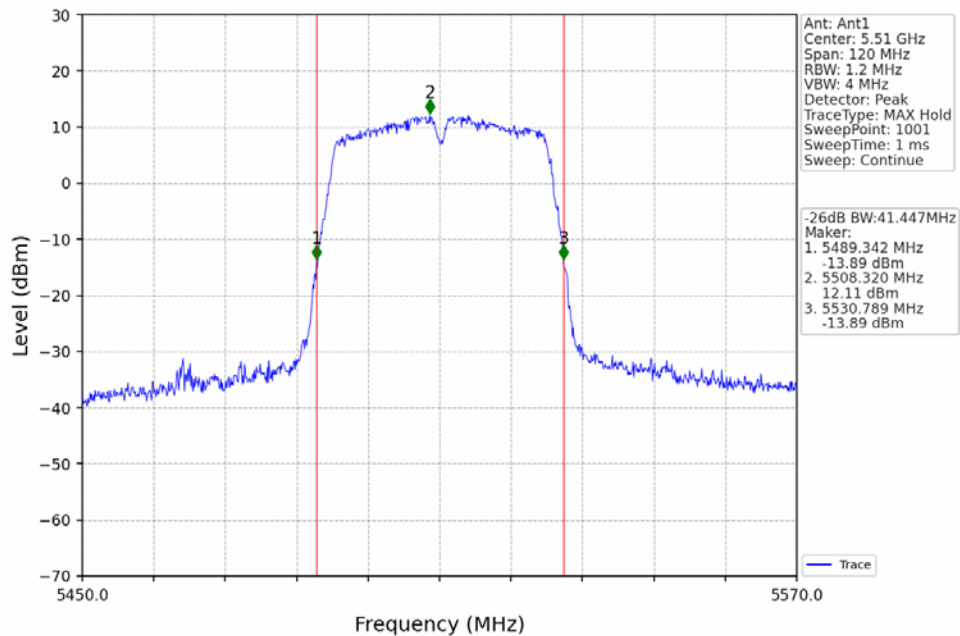
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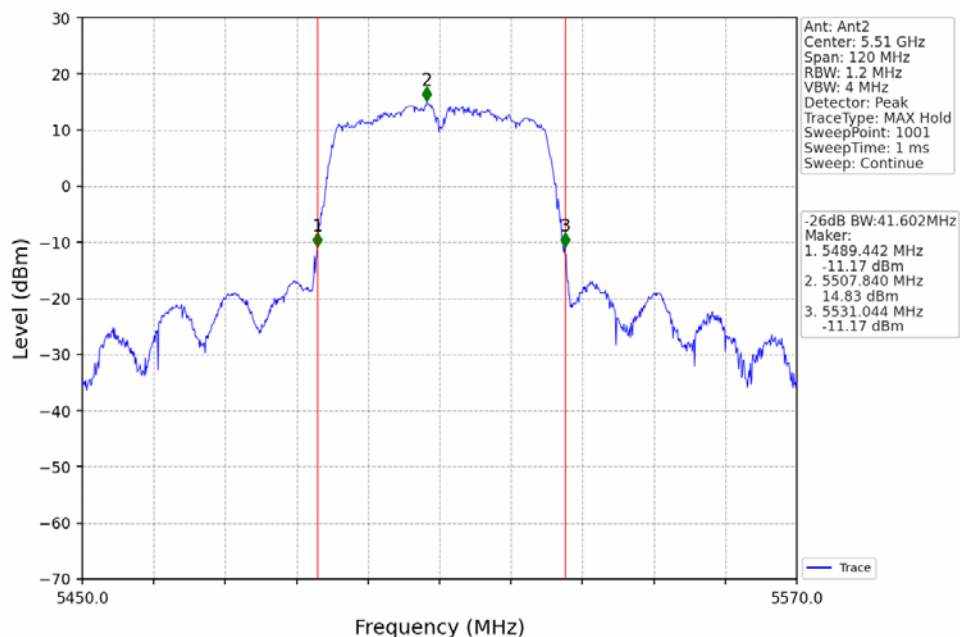
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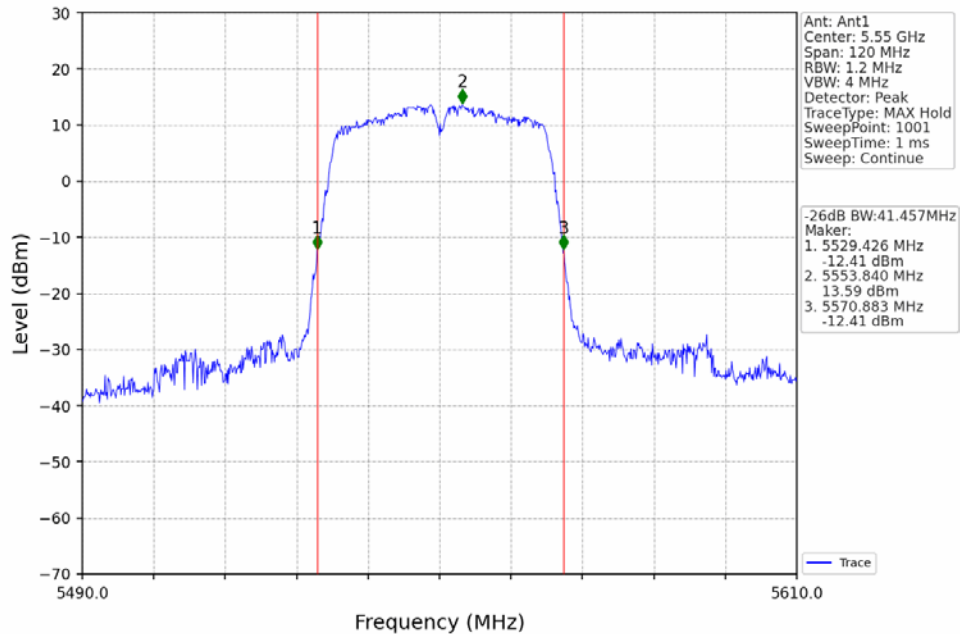
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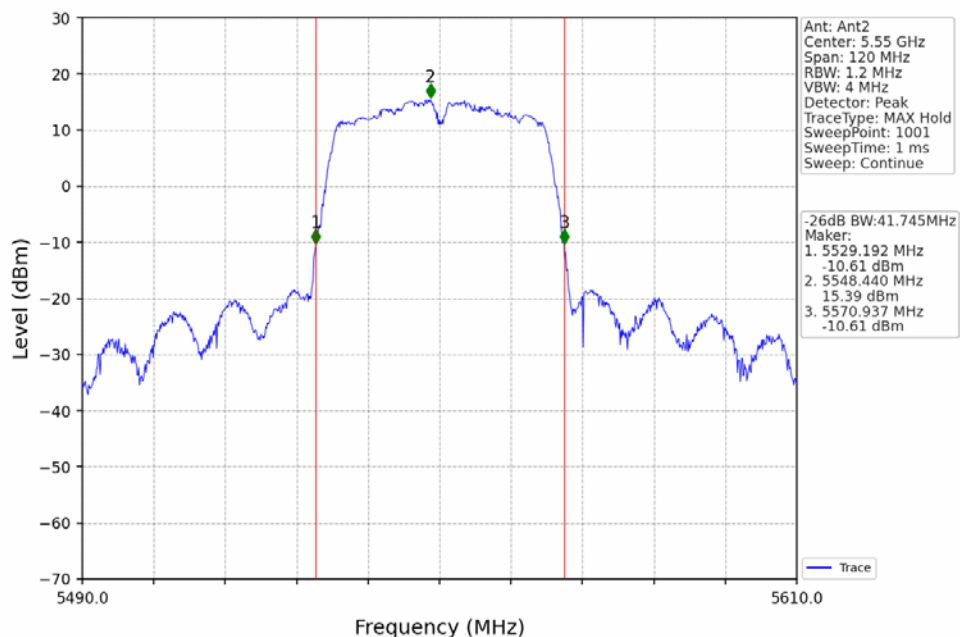
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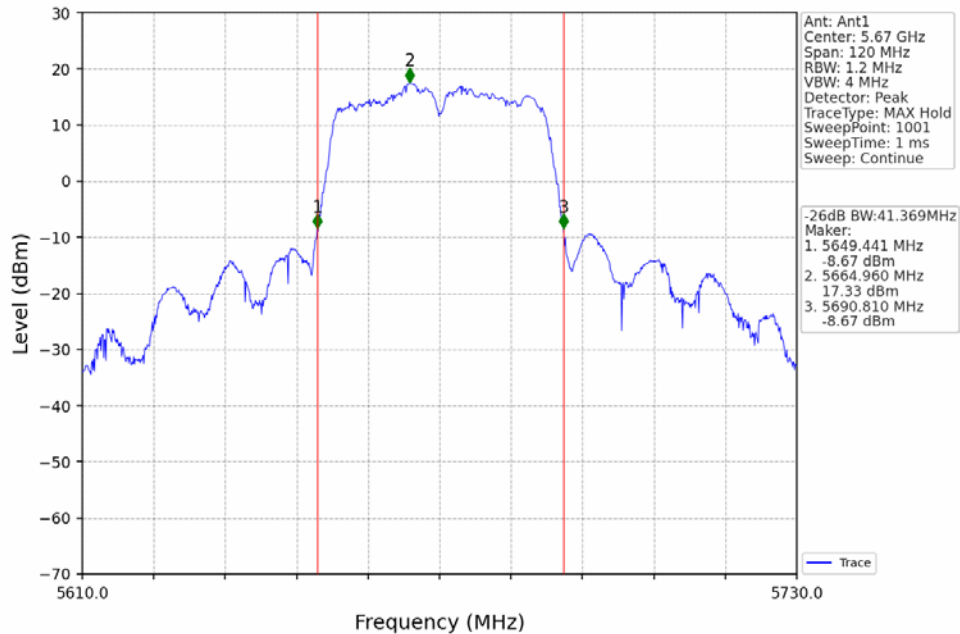
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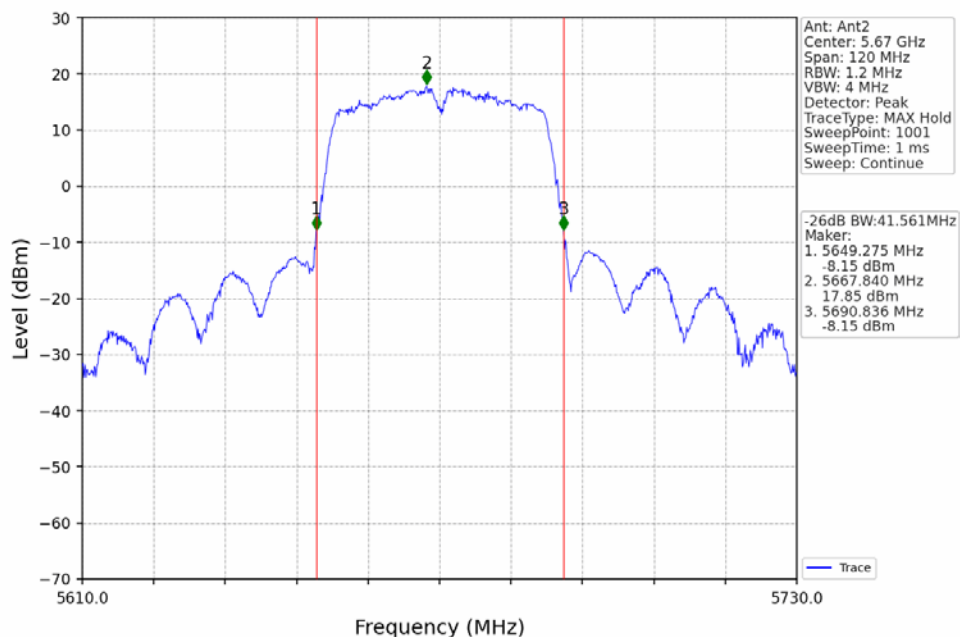
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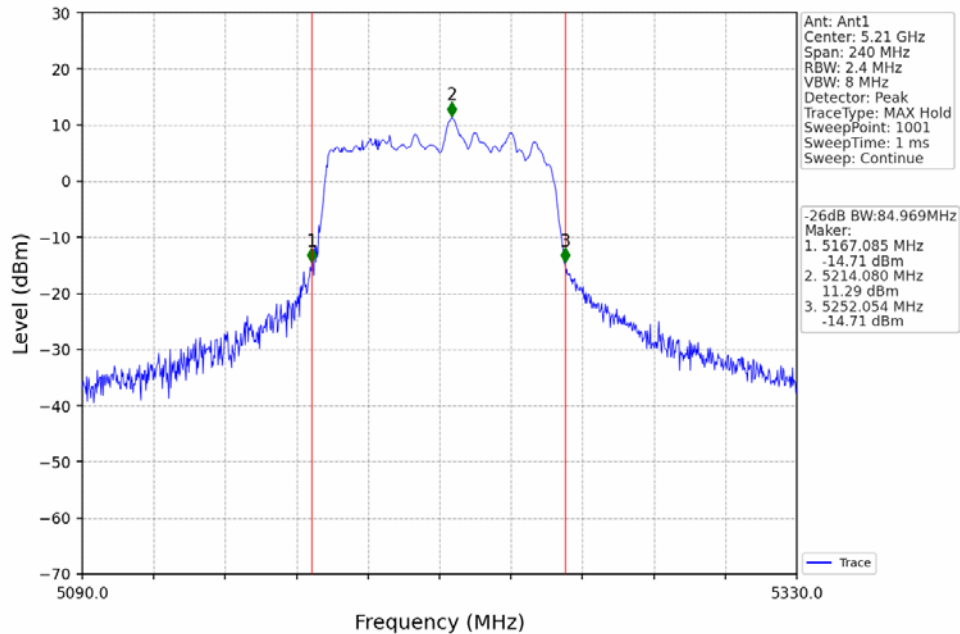
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



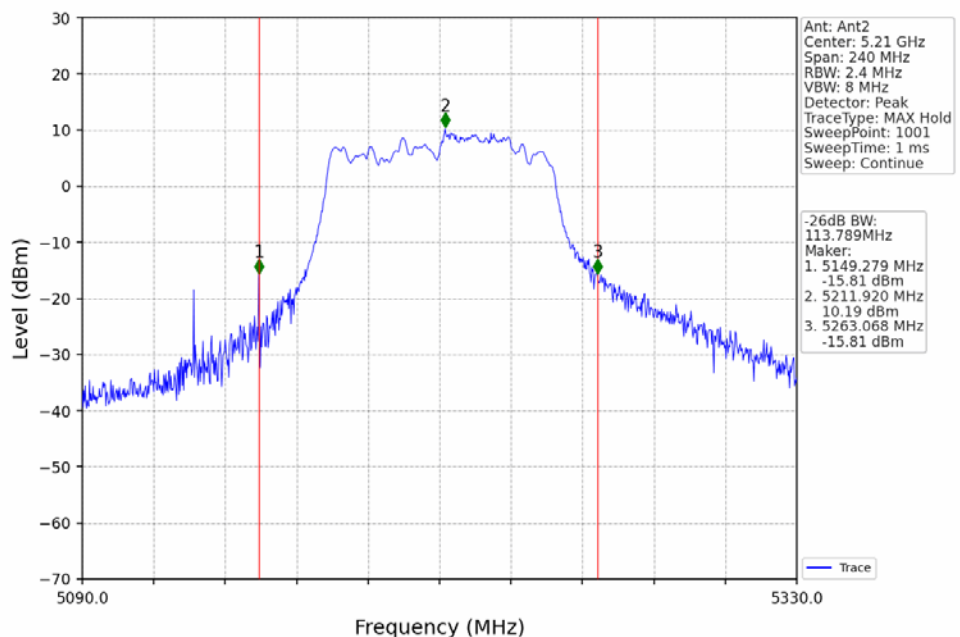
802.11ac(VHT40)_HCH_5670MHz_Ant2_NTNV



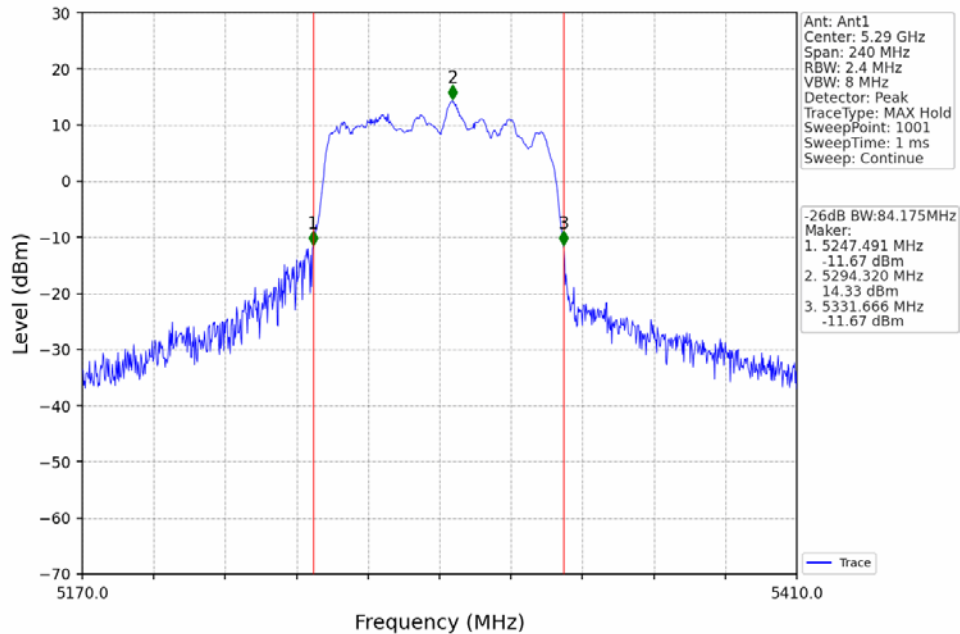
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



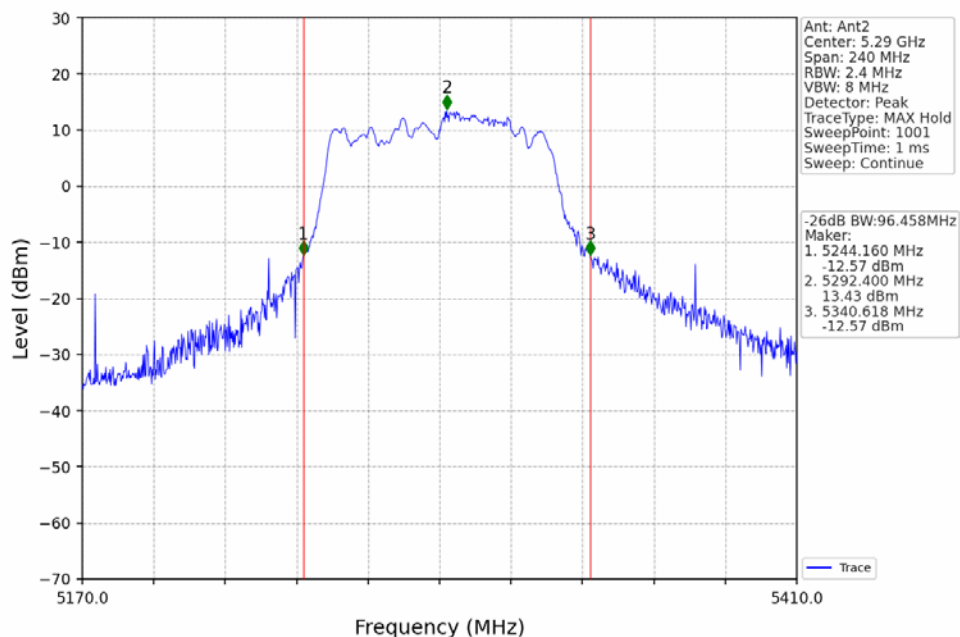
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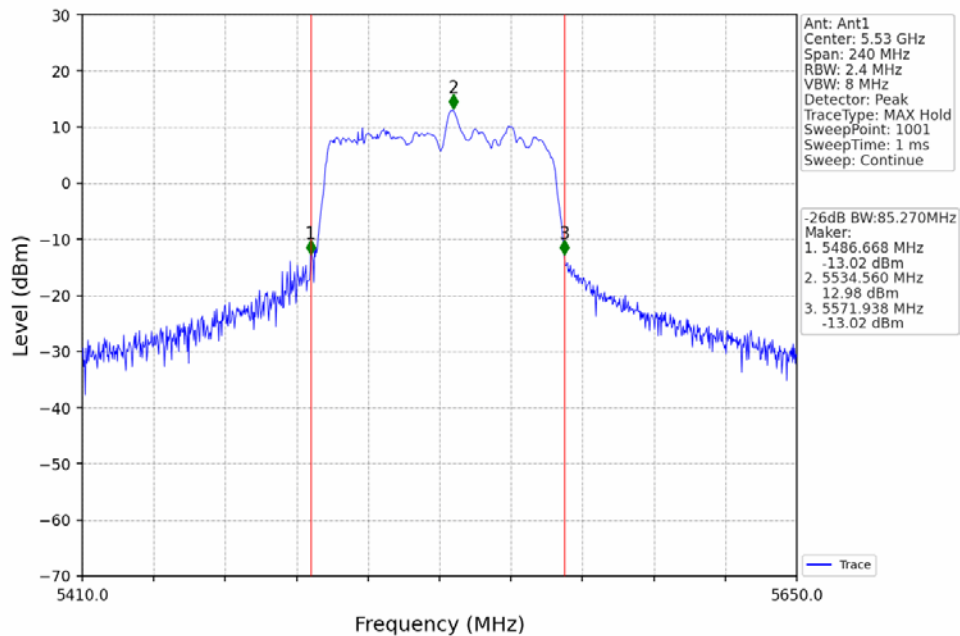
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



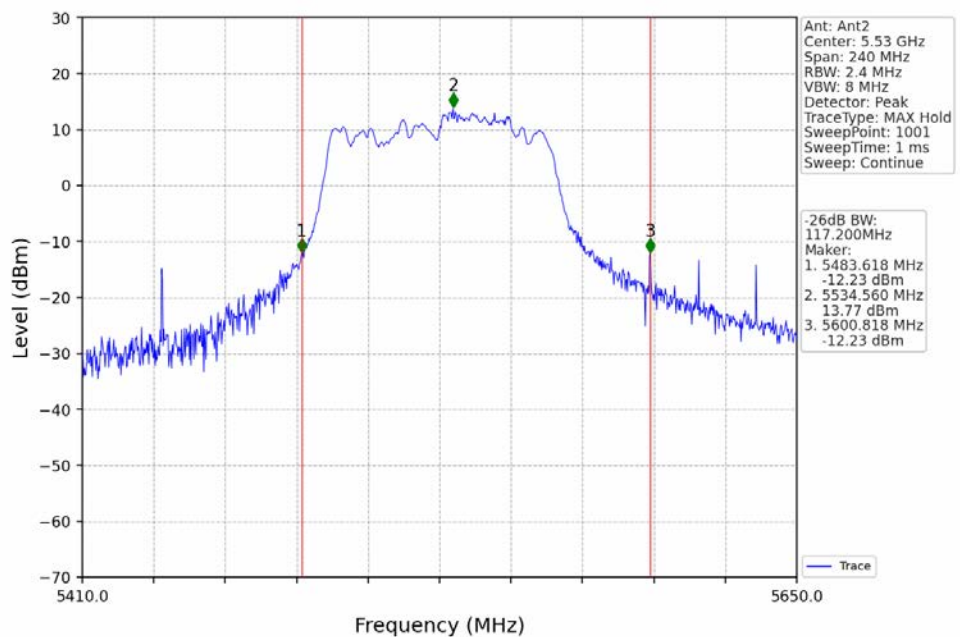
802.11ac(VHT80)_MCH_5290MHz_Ant2_NTNV



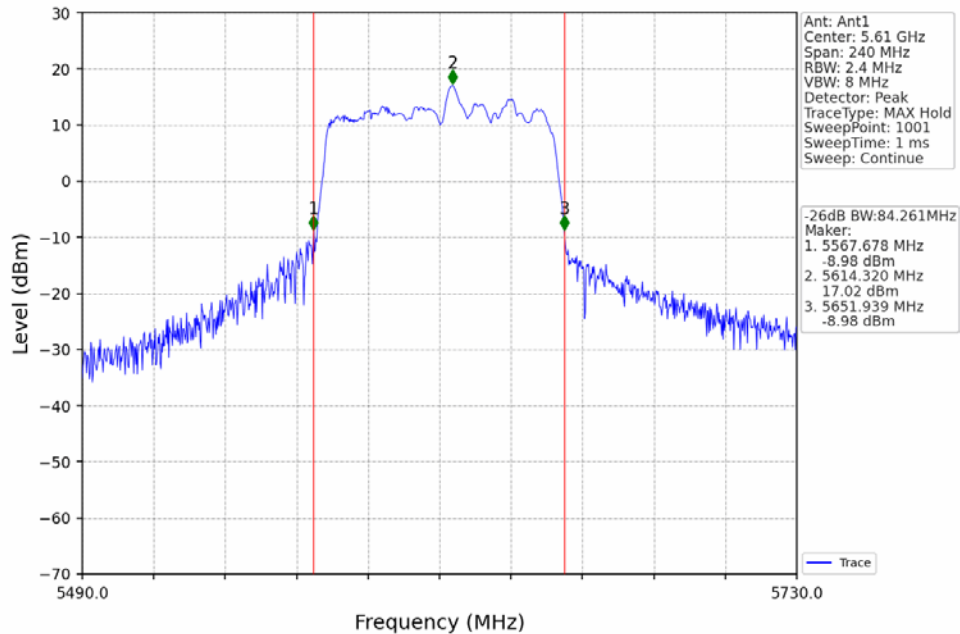
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



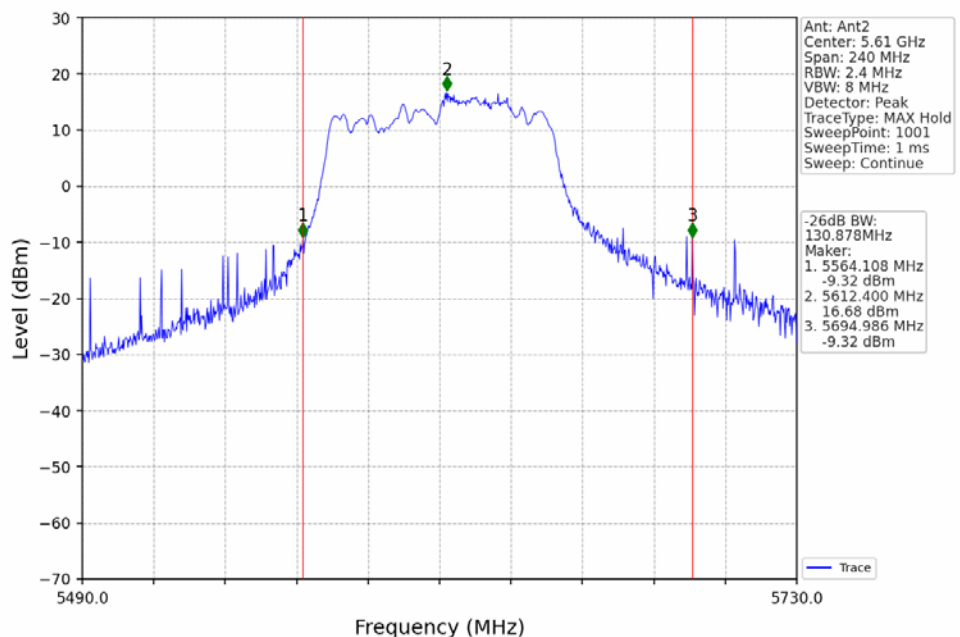
802.11ac(VHT80)_LCH_5530MHz_Ant2_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant2_NTNV



3. Maximum Conducted Output Power

3.1 Power for WF2-5G1

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Power Setting	Maximum Average Conducted Output Power (dBm)				Verdict
				ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	6	14.65	13.98	/	<=30	Pass
		5200	6	14.88	14.05	/	<=30	Pass
		5240	6	14.29	14.23	/	<=30	Pass
		5260	6	18.14	17.78	/	<=23.98	Pass
		5300	6	17.57	17.53	/	<=23.98	Pass
		5320	6	18.09	17.91	/	<=23.98	Pass
		5500	6	20.17	21.17	/	<=23.98	Pass
		5580	6	19.36	21.12	/	<=23.98	Pass
		5700	6	19.98	20.41	/	<=23.98	Pass
		5745	6	19.35	20.18	/	<=30	Pass
		5785	6	18.95	20.43	/	<=30	Pass
		5825	6	19.05	20.34	/	<=30	Pass
802.11n (HT20)	MIMO	5180	4	12.47	13.05	15.78	<=28.39	Pass
		5200	4	12.71	12.61	15.67	<=28.39	Pass
		5240	4	12.79	11.13	15.05	<=28.39	Pass
		5260	4	14.89	14.86	17.89	<=22.37	Pass
		5300	4	15.04	14.48	17.78	<=22.37	Pass
		5320	4	15.36	14.66	18.03	<=22.37	Pass
		5500	8	14.37	17.28	19.07	<=22.37	Pass
		5580	8	15.9	17.17	19.59	<=22.37	Pass
		5700	8	16.61	16.81	19.72	<=22.37	Pass
		5745	2	17.58	18.58	21.12	<=28.39	Pass
		5785	2	17.55	18.62	21.13	<=28.39	Pass
		5825	2	17.34	18.96	21.24	<=28.39	Pass
802.11n (HT40)	MIMO	5190	4	14.25	14.7	17.49	<=28.39	Pass
		5230	4	15.01	15.25	18.14	<=28.39	Pass
		5270	4	14.9	15.16	18.04	<=22.37	Pass
		5310	4	14.8	15.87	18.38	<=22.37	Pass
		5510	8	16.56	18.61	20.72	<=22.37	Pass
		5550	8	17.97	19.33	21.71	<=22.37	Pass
		5670	2	18.29	18.85	21.59	<=22.37	Pass
		5755	2	17.8	18.65	21.26	<=28.39	Pass
		5795	2	17.7	18.88	21.34	<=28.39	Pass
802.11ac (VHT20)	MIMO	5180	4	10.98	11.64	14.33	<=28.39	Pass
		5200	4	11.71	11.74	14.74	<=28.39	Pass

		5240	4	13.37	11.98	15.74	<=28.39	Pass
		5260	4	14.64	14.37	17.52	<=22.37	Pass
		5300	4	15.3	14.53	17.94	<=22.37	Pass
		5320	4	15.05	14.38	17.74	<=22.37	Pass
		5500	8	14.33	16.45	18.53	<=22.37	Pass
		5580	8	16.1	17.1	19.64	<=22.37	Pass
		5700	8	16.52	16.39	19.47	<=22.37	Pass
		5745	2	17.63	18.39	21.04	<=28.39	Pass
		5785	2	17.48	18.82	21.21	<=28.39	Pass
		5825	2	16.81	18.29	20.62	<=28.39	Pass
802.11ac (VHT40)	MIMO	5190	4	12.97	13.21	16.10	<=28.39	Pass
		5230	4	13.67	14.22	16.96	<=28.39	Pass
		5270	4	14.8	14.99	17.91	<=22.37	Pass
		5310	4	15.04	14.77	17.92	<=22.37	Pass
		5510	8	16.26	18.47	20.51	<=22.37	Pass
		5550	8	17.81	19.13	21.53	<=22.37	Pass
		5670	2	18.05	18.7	21.40	<=22.37	Pass
		5755	2	17.58	18.63	21.15	<=28.39	Pass
		5795	2	17.4	18.69	21.10	<=28.39	Pass
802.11ac (VHT80)	MIMO	5210	8	14.67	15.44	18.08	<=28.39	Pass
		5290	0	14.61	14.46	17.55	<=22.37	Pass
		5530	8	16.44	18.26	20.45	<=22.37	Pass
		5610	8	16.27	18.11	20.25	<=22.37	Pass
		5775	2	17.02	18.22	20.67	<=28.39	Pass

Note: Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.

3.2 Power for GW-5G01

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Power Setting	Maximum Average Conducted Output Power (dBm)				Verdict
				ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	6	14.65	13.98	/	<=30	Pass
		5200	6	14.88	14.05	/	<=30	Pass
		5240	6	14.29	14.23	/	<=30	Pass
		5260	6	18.14	17.78	/	<=23.98	Pass
		5300	6	17.57	17.53	/	<=23.98	Pass
		5320	6	18.09	17.91	/	<=23.98	Pass
		5500	6	20.17	21.17	/	<=23.98	Pass
		5580	6	19.36	21.12	/	<=23.98	Pass
		5700	6	19.98	20.41	/	<=23.98	Pass
		5745	6	19.35	20.18	/	<=30	Pass
		5785	6	18.95	20.43	/	<=30	Pass



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		5825	6	19.05	20.34	/	<=30	Pass
802.11n (HT20)	MIMO	5180	4	12.47	13.05	15.78	<=28.68	Pass
		5200	4	12.71	12.61	15.67	<=28.68	Pass
		5240	4	12.79	11.13	15.05	<=28.68	Pass
		5260	4	14.89	14.86	17.89	<=22.66	Pass
		5300	4	15.04	14.48	17.78	<=22.66	Pass
		5320	4	15.36	14.66	18.03	<=22.66	Pass
		5500	8	14.37	17.28	19.07	<=22.66	Pass
		5580	8	15.9	17.17	19.59	<=22.66	Pass
		5700	8	16.61	16.81	19.72	<=22.66	Pass
		5745	2	17.58	18.58	21.12	<=28.68	Pass
		5785	2	17.55	18.62	21.13	<=28.68	Pass
		5825	2	17.34	18.96	21.24	<=28.68	Pass
802.11n (HT40)	MIMO	5190	4	14.25	14.7	17.49	<=28.68	Pass
		5230	4	15.01	15.25	18.14	<=28.68	Pass
		5270	4	14.9	15.16	18.04	<=22.66	Pass
		5310	4	14.8	15.87	18.38	<=22.66	Pass
		5510	8	16.56	18.61	20.72	<=22.66	Pass
		5550	8	17.97	19.33	21.71	<=22.66	Pass
		5670	2	18.29	18.85	21.59	<=22.66	Pass
		5755	2	17.8	18.65	21.26	<=28.68	Pass
		5795	2	17.7	18.88	21.34	<=28.68	Pass
802.11ac (VHT20)	MIMO	5180	4	10.98	11.64	14.33	<=28.68	Pass
		5200	4	11.71	11.74	14.74	<=28.68	Pass
		5240	4	13.37	11.98	15.74	<=28.68	Pass
		5260	4	14.64	14.37	17.52	<=22.66	Pass
		5300	4	15.3	14.53	17.94	<=22.66	Pass
		5320	4	15.05	14.38	17.74	<=22.66	Pass
		5500	8	14.33	16.45	18.53	<=22.66	Pass
		5580	8	16.1	17.1	19.64	<=22.66	Pass
		5700	8	16.52	16.39	19.47	<=22.66	Pass
		5745	2	17.63	18.39	21.04	<=28.68	Pass
		5785	2	17.48	18.82	21.21	<=28.68	Pass
		5825	2	16.81	18.29	20.62	<=28.68	Pass
802.11ac (VHT40)	MIMO	5190	4	12.97	13.21	16.10	<=28.68	Pass
		5230	4	13.67	14.22	16.96	<=28.68	Pass
		5270	4	14.8	14.99	17.91	<=22.66	Pass
		5310	4	15.04	14.77	17.92	<=22.66	Pass
		5510	8	16.26	18.47	20.51	<=22.66	Pass
		5550	8	17.81	19.13	21.53	<=22.66	Pass
		5670	2	18.05	18.7	21.40	<=22.66	Pass
		5755	2	17.58	18.63	21.15	<=28.68	Pass

		5795	2	17.4	18.69	21.10	<=28.68	Pass
802.11ac (VHT80)	MIMO	5210	8	14.67	15.44	18.08	<=28.68	Pass
		5290	0	14.61	14.46	17.55	<=22.66	Pass
		5530	8	16.44	18.26	20.45	<=22.66	Pass
		5610	8	16.27	18.11	20.25	<=22.66	Pass
		5775	2	17.02	18.22	20.67	<=28.68	Pass

Note: Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.

3.3. Transmit Power Control for WF2-5G1

3.3.1 Test Result

Mode	TX Type	Frequency (MHz)	Power Setting	E.I.R.P (dBm)				Verdict
				ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5260	6	16.13	15.96	/	<=24	Pass
		5300	6	15.31	16.03	/	<=24	Pass
		5320	6	16.05	15.94	/	<=24	Pass
		5500	6	18.5	19.3	/	<=24	Pass
		5580	6	17.37	18.75	/	<=24	Pass
		5700	6	17.88	18.16	/	<=24	Pass
802.11n (HT20)	MIMO	5260	4	13.3	12.56	15.95	<=22.39	Pass
		5300	4	13.33	12.52	15.96	<=22.39	Pass
		5320	4	13.45	12.65	16.08	<=22.39	Pass
		5500	8	12.64	15.26	17.15	<=22.39	Pass
		5580	8	14.49	15.75	18.18	<=22.39	Pass
		5700	8	15.1	15.29	18.21	<=22.39	Pass
802.11n (HT40)	MIMO	5270	4	12.8	12.83	15.82	<=22.39	Pass
		5310	4	13.32	13.49	16.42	<=22.39	Pass
		5510	8	14.91	16.28	18.66	<=22.39	Pass
		5550	8	16.4	17.13	19.79	<=22.39	Pass
		5670	2	16.4	16.94	19.69	<=22.39	Pass
802.11ac (VHT20)	MIMO	5260	4	12.6	12.17	15.4	<=22.39	Pass
		5300	4	13.87	12.2	16.13	<=22.39	Pass
		5320	4	13.56	12.07	15.89	<=22.39	Pass
		5500	8	12.03	14.36	16.36	<=22.39	Pass
		5580	8	14.24	14.93	17.61	<=22.39	Pass
		5700	8	14.89	14.94	17.93	<=22.39	Pass
802.11ac (VHT40)	MIMO	5270	4	12.47	13.05	15.78	<=22.39	Pass
		5310	4	13.47	12.61	16.08	<=22.39	Pass
		5510	8	14.05	17.04	18.81	<=22.39	Pass
		5550	8	15.61	17.42	19.62	<=22.39	Pass
		5670	2	15.93	16.37	19.17	<=22.39	Pass

802.11ac (VHT80)	MIMO	5290	0	13.01	12.61	15.82	<=22.39	Pass
		5530	8	14.92	16.33	18.7	<=22.39	Pass
		5610	8	14.45	16.71	18.74	<=22.39	Pass

Note: E.I.R.P.=Conducted Power + Antenna Gain

Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.

3.4. Transmit Power Control for GW-5G01

3.4.1 Test Result

Mode	TX Type	Frequency (MHz)	Power Setting	E.I.R.P (dBm)				Verdict
				ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5260	6	16.13	15.36	/	<=24	Pass
		5300	6	15.31	15.43	/	<=24	Pass
		5320	6	16.05	15.34	/	<=24	Pass
		5500	6	18.5	18.7	/	<=24	Pass
		5580	6	17.37	18.15	/	<=24	Pass
		5700	6	17.88	17.56	/	<=24	Pass
802.11n (HT20)	MIMO	5260	4	13.3	11.96	15.95	<=22.68	Pass
		5300	4	13.33	11.92	15.96	<=22.68	Pass
		5320	4	13.45	12.05	16.08	<=22.68	Pass
		5500	8	12.64	14.66	17.15	<=22.68	Pass
		5580	8	14.49	15.15	18.18	<=22.68	Pass
		5700	8	15.1	14.69	18.21	<=22.68	Pass
802.11n (HT40)	MIMO	5270	4	12.8	12.23	15.82	<=22.68	Pass
		5310	4	13.32	12.89	16.42	<=22.68	Pass
		5510	8	14.91	15.68	18.66	<=22.68	Pass
		5550	8	16.4	16.53	19.79	<=22.68	Pass
		5670	2	16.4	16.34	19.69	<=22.68	Pass
		5755	2	15.62	15.75	19.01	<=22.68	Pass
802.11ac (VHT20)	MIMO	5270	2	15.6	16.68	19.53	<=22.68	Pass
		5260	4	12.6	11.57	15.4	<=22.68	Pass
		5300	4	13.87	11.6	16.13	<=22.68	Pass
		5320	4	13.56	11.47	15.89	<=22.68	Pass
		5500	8	12.03	13.76	16.36	<=22.68	Pass
		5580	8	14.24	14.33	17.61	<=22.68	Pass
802.11ac (VHT40)	MIMO	5700	8	14.89	14.34	17.93	<=22.68	Pass
		5270	4	12.47	12.45	15.78	<=22.68	Pass
		5310	4	13.47	12.01	16.08	<=22.68	Pass
		5510	8	14.05	16.44	18.81	<=22.68	Pass
		5550	8	15.61	16.82	19.62	<=22.68	Pass
	MIMO	5670	2	15.93	15.77	19.17	<=22.68	Pass



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802.11ac (VHT80)	MIMO	5290	0	13.01	12.01	15.82	<=22.68	Pass
		5530	8	14.92	15.73	18.7	<=22.68	Pass
		5610	8	14.45	16.11	18.74	<=22.68	Pass

Note: E.I.R.P.=Conducted Power + Antenna Gain

Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.

4. Maximum Power Spectral Density

4.1 PSD for WF2-5G1

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	10.31	9.85	/	<=17	Pass
		5200	10.89	10.24	/	<=17	Pass
		5240	11.94	10.23	/	<=17	Pass
		5260	10.67	10.02	/	<=11	Pass
		5300	10.04	10.64	/	<=11	Pass
		5320	10.33	10.95	/	<=11	Pass
		5500	9.92	10.90	/	<=11	Pass
		5580	9.17	10.81	/	<=11	Pass
		5700	9.65	10.32	/	<=11	Pass
802.11n (HT20)	MIMO	5180	8.18	7.99	11.10	<=15.39	Pass
		5200	8.74	8.18	11.34	<=15.39	Pass
		5240	9.12	7.74	11.48	<=15.39	Pass
		5260	6.20	4.17	8.28	<=9.39	Pass
		5300	5.39	5.76	8.55	<=9.39	Pass
		5320	4.67	5.98	8.26	<=9.39	Pass
		5500	3.65	6.57	8.35	<=9.39	Pass
		5580	5.36	6.52	8.84	<=9.39	Pass
		5700	5.91	6.09	8.99	<=9.39	Pass
802.11n (HT40)	MIMO	5190	5.88	5.20	8.41	<=15.39	Pass
		5230	6.99	5.49	9.18	<=15.39	Pass
		5270	1.52	1.61	4.47	<=9.39	Pass
		5310	1.18	2.31	4.68	<=9.39	Pass
		5510	2.94	4.95	7.01	<=9.39	Pass
		5550	4.50	5.80	8.14	<=9.39	Pass
		5670	4.62	5.29	7.94	<=9.39	Pass
802.11ac (VHT20)	MIMO	5180	8.42	8.06	11.01	<=15.39	Pass
		5200	8.83	7.81	11.09	<=15.39	Pass
		5240	9.57	7.94	11.60	<=15.39	Pass
		5260	5.88	6.75	9.16	<=9.39	Pass
		5300	4.97	6.15	8.39	<=9.39	Pass
		5320	5.46	6.69	9.10	<=9.39	Pass
		5500	3.82	6.12	8.11	<=9.39	Pass
		5580	5.87	6.65	9.26	<=9.39	Pass
		5700	6.01	6.30	8.81	<=9.39	Pass
802.11ac	MIMO	5190	5.49	5.01	8.07	<=15.39	Pass



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(VHT40)		5230	6.31	5.16	8.65	<=15.39	Pass
		5270	5.41	5.72	8.48	<=9.39	Pass
		5310	4.97	5.74	8.16	<=9.39	Pass
		5510	3.28	5.22	7.27	<=9.39	Pass
		5550	4.58	5.65	7.91	<=9.39	Pass
		5670	4.71	5.33	7.91	<=9.39	Pass
802.11ac (VHT80)	MIMO	5210	1.36	0.98	3.37	<=15.39	Pass
		5290	3.09	3.73	5.84	<=9.39	Pass
		5530	-0.28	1.25	3.38	<=9.39	Pass
		5610	1.38	1.98	4.58	<=9.39	Pass

Note: Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.

4.2 PSD for GW-5G01

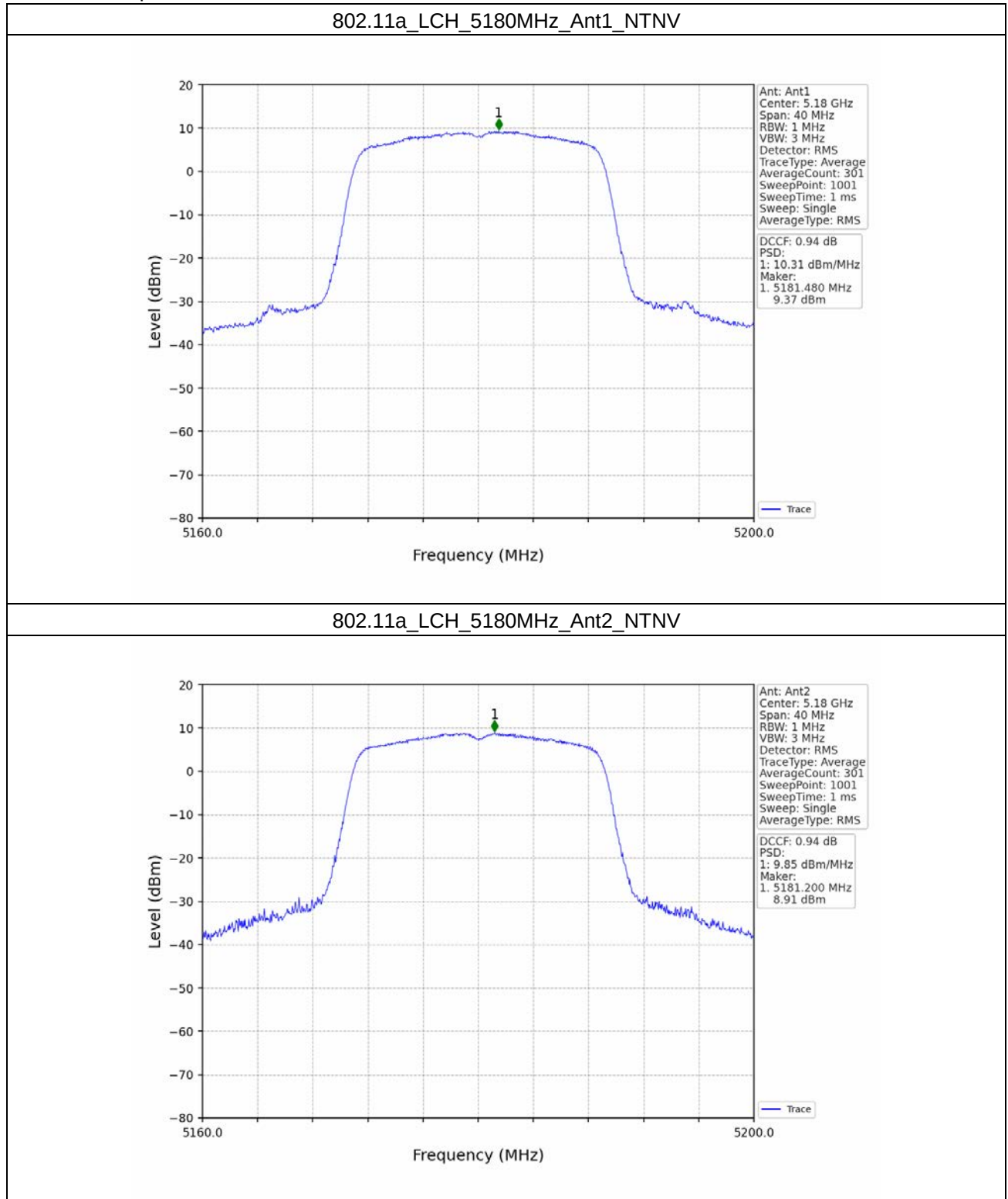
4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	10.31	9.85	/	<=17	Pass
		5200	10.89	10.24	/	<=17	Pass
		5240	11.94	10.23	/	<=17	Pass
		5260	10.67	10.02	/	<=11	Pass
		5300	10.04	10.64	/	<=11	Pass
		5320	10.33	10.95	/	<=11	Pass
		5500	9.92	10.90	/	<=11	Pass
		5580	9.17	10.81	/	<=11	Pass
		5700	9.65	10.32	/	<=11	Pass
802.11n (HT20)	MIMO	5180	8.18	7.99	11.10	<=15.68	Pass
		5200	8.74	8.18	11.34	<=15.68	Pass
		5240	9.12	7.74	11.48	<=15.68	Pass
		5260	6.20	4.17	8.28	<=9.68	Pass
		5300	5.39	5.76	8.55	<=9.68	Pass
		5320	4.67	5.98	8.26	<=9.68	Pass
		5500	3.65	6.57	8.35	<=9.68	Pass
		5580	5.36	6.52	8.84	<=9.68	Pass
		5700	5.91	6.09	8.99	<=9.68	Pass
802.11n (HT40)	MIMO	5190	5.88	5.20	8.41	<=15.68	Pass
		5230	6.99	5.49	9.18	<=15.68	Pass
		5270	1.52	1.61	4.47	<=9.68	Pass
		5310	1.18	2.31	4.68	<=9.68	Pass
		5510	2.94	4.95	7.01	<=9.68	Pass
		5550	4.50	5.80	8.14	<=9.68	Pass
		5670	4.62	5.29	7.94	<=9.68	Pass

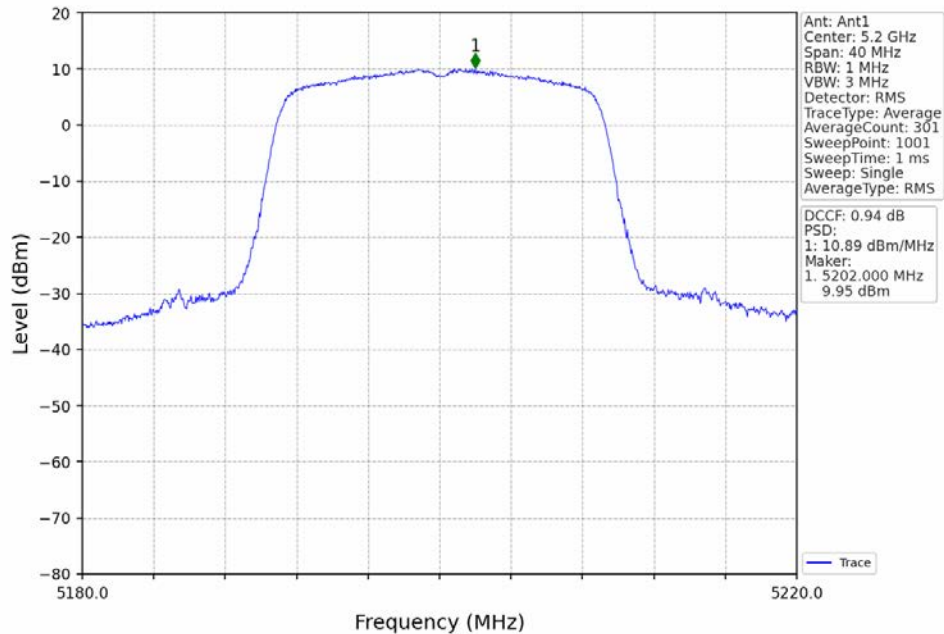
802.11ac (VHT20)	MIMO	5180	8.42	8.06	11.01	<=15.68	Pass
		5200	8.83	7.81	11.09	<=15.68	Pass
		5240	9.57	7.94	11.60	<=15.68	Pass
		5260	5.88	6.75	9.16	<=9.68	Pass
		5300	4.97	6.15	8.39	<=9.68	Pass
		5320	5.46	6.69	9.10	<=9.68	Pass
		5500	3.82	6.12	8.11	<=9.68	Pass
		5580	5.87	6.65	9.26	<=9.68	Pass
		5700	6.01	6.30	8.81	<=9.68	Pass
802.11ac (VHT40)	MIMO	5190	5.49	5.01	8.07	<=15.68	Pass
		5230	6.31	5.16	8.65	<=15.68	Pass
		5270	5.41	5.72	8.48	<=9.68	Pass
		5310	4.97	5.74	8.16	<=9.68	Pass
		5510	3.28	5.22	7.27	<=9.68	Pass
		5550	4.58	5.65	7.91	<=9.68	Pass
		5670	4.71	5.33	7.91	<=9.68	Pass
802.11ac (VHT80)	MIMO	5210	1.36	0.98	3.37	<=15.68	Pass
		5290	3.09	3.73	5.84	<=9.68	Pass
		5530	-0.28	1.25	3.38	<=9.68	Pass
		5610	1.38	1.98	4.58	<=9.68	Pass

Note: Please refer to section 6.1.2 of this report for antenna gain and directional gain calculation.

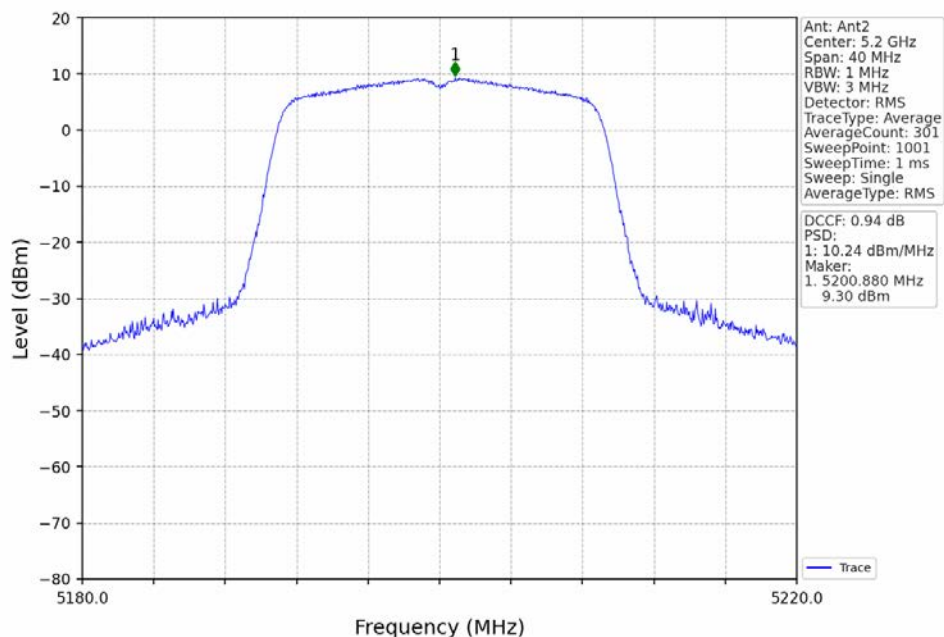
4.2.2 Test Graph



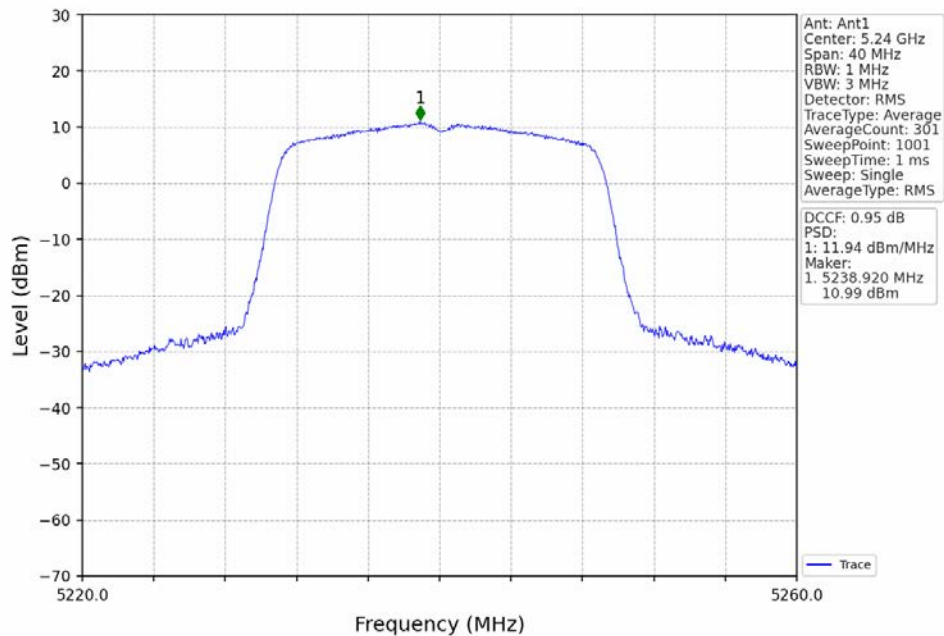
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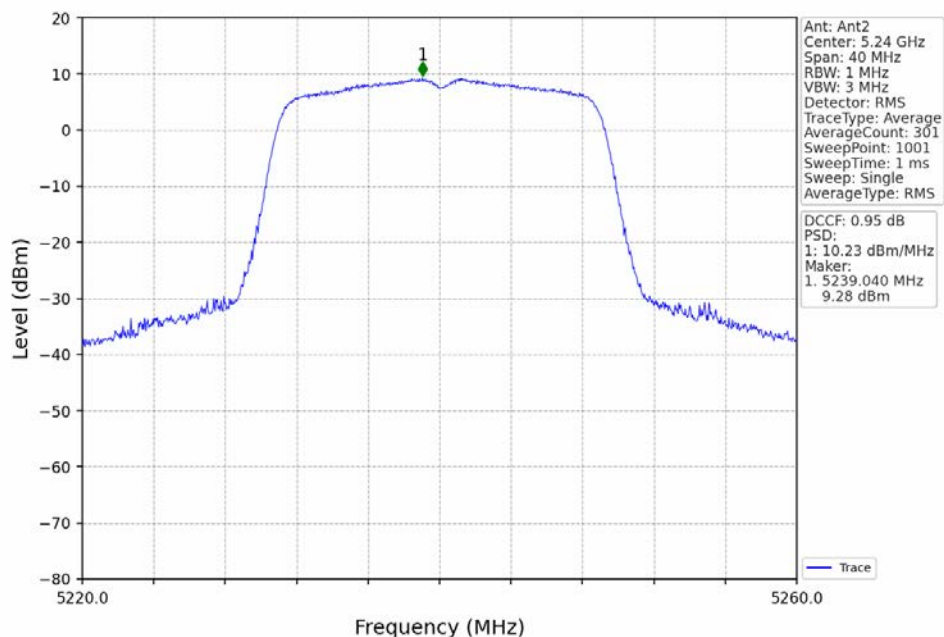
802.11a_MCH_5200MHz_Ant2_NTNV



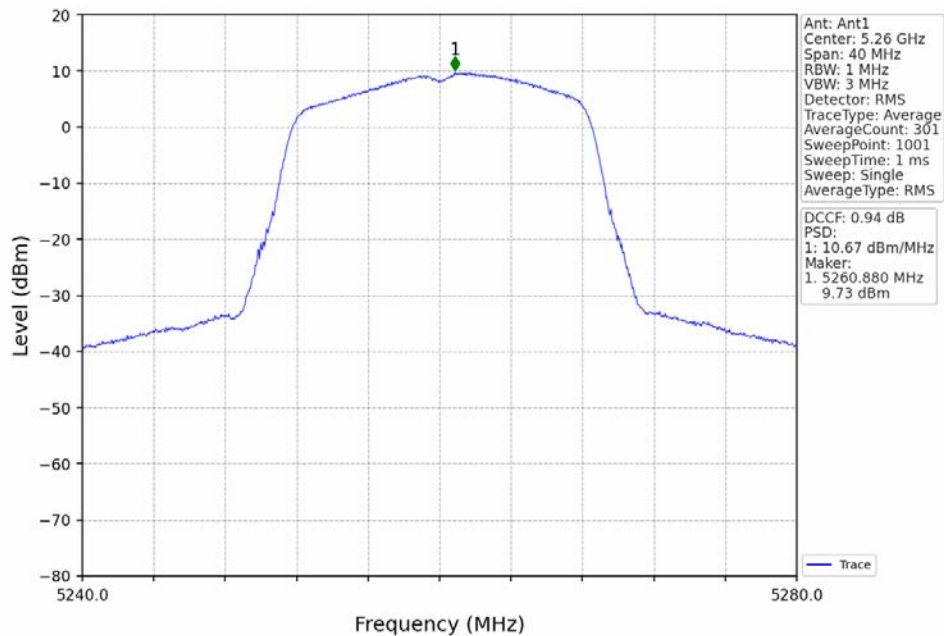
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802.11a_HCH_5240MHz_Ant2_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant2_NTNV

