

2.3 26dB BW

2.3.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)	Verdict
						Result	
802.11a	MIMO	5180	/	/	1	23.021	Pass
		5200	/	/	1	22.387	Pass
		5240	/	/	1	19.745	Pass
		5260	/	/	1	19.606	Pass
		5300	/	/	1	24.197	Pass
		5320	/	/	1	21.946	Pass
		5500	/	/	1	26.709	Pass
		5580	/	/	1	19.996	Pass
802.11n (HT20)	MIMO	5180	/	/	1	23.995	Pass
		5200	/	/	1	23.353	Pass
		5240	/	/	1	20.174	Pass
		5260	/	/	1	20.891	Pass
		5300	/	/	1	24.422	Pass
		5320	/	/	1	22.981	Pass
		5500	/	/	1	23.386	Pass
		5580	/	/	1	20.675	Pass
802.11n (HT40)	MIMO	5190	/	/	1	42.699	Pass
		5230	/	/	1	40.335	Pass
		5270	/	/	1	39.994	Pass
		5310	/	/	1	43.208	Pass
		5510	/	/	1	44.347	Pass
		5550	/	/	1	40.196	Pass
		5670	/	/	1	42.788	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	22.685	Pass
		5200	/	/	1	25.036	Pass
		5240	/	/	1	20.257	Pass
		5260	/	/	1	20.505	Pass
		5300	/	/	1	24.270	Pass
		5320	/	/	1	22.686	Pass
		5500	/	/	1	23.254	Pass
5580	/	/	1	20.580	Pass		



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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900300003

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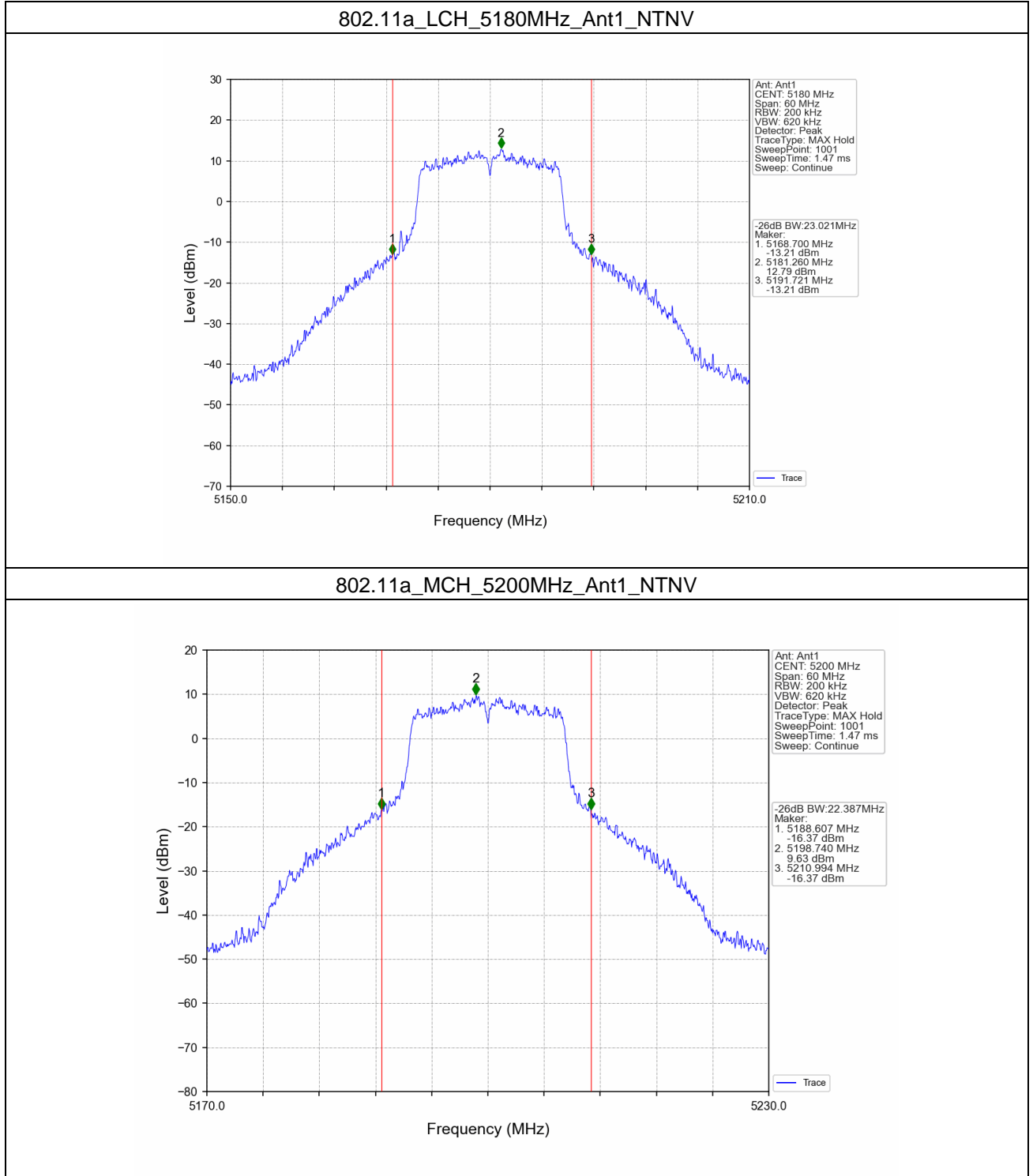
		5700	/	/	1	22.819	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	41.114	Pass
		5230	/	/	1	40.602	Pass
		5270	/	/	1	40.062	Pass
		5310	/	/	1	43.115	Pass
		5510	/	/	1	46.348	Pass
		5550	/	/	1	39.953	Pass
		5670	/	/	1	47.207	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	102.146	Pass
		5290	/	/	1	92.700	Pass
		5530	/	/	1	89.028	Pass
		5610	/	/	1	79.622	Pass
802.11ac (VHT160)	MIMO	5570	/	/	1	168.238	Pass
		5250	/	/	1	163.685	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	23.675	Pass
		5200	RU242	Left	1	22.752	Pass
		5240	RU242	Left	1	19.903	Pass
		5260	RU242	Left	1	21.225	Pass
		5300	RU242	Left	1	23.921	Pass
		5320	RU242	Left	1	25.171	Pass
		5500	RU242	Left	1	22.293	Pass
		5580	RU242	Left	1	21.143	Pass
802.11ax (HEW40)	MIMO	5700	RU242	Left	1	23.972	Pass
		5190	RU484	Left	1	39.780	Pass
		5230	RU484	Left	1	39.625	Pass
		5270	RU484	Left	1	39.395	Pass
		5310	RU484	Left	1	44.245	Pass
		5510	RU484	Left	1	41.392	Pass
		5550	RU484	Left	1	39.446	Pass
802.11ax (HEW80)	MIMO	5670	RU484	Left	1	39.430	Pass
		5210	RU996	Left	1	100.040	Pass
		5290	RU996	Left	1	80.088	Pass
		5530	RU996	Left	1	84.404	Pass
802.11ax (HEW160)	MIMO	5610	RU996	Left	1	79.873	Pass
		5570	2xRU996	Left	1	162.326	Pass
		5250	2xRU996	Left	1	168.332	Pass



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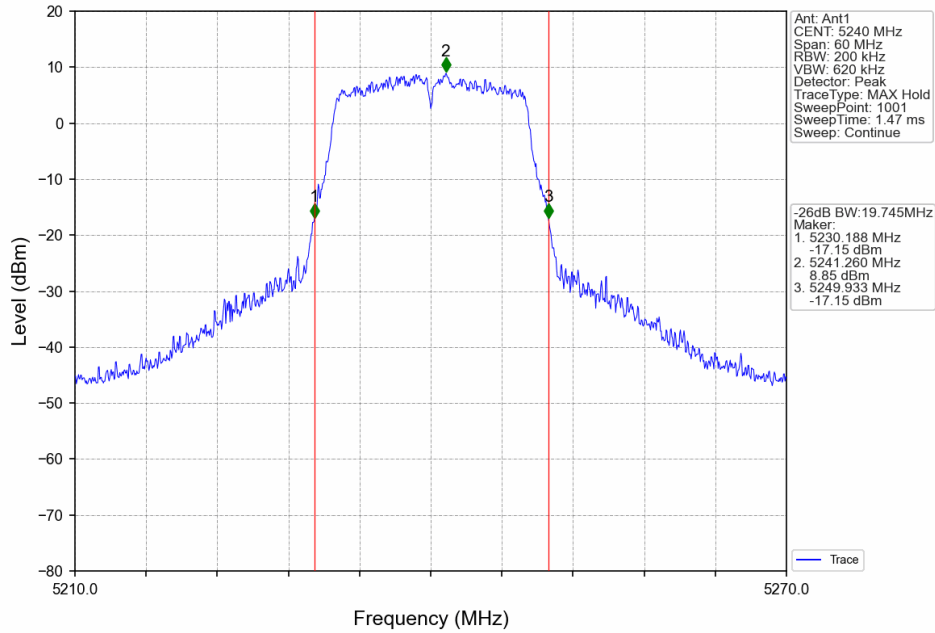
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2.3.2 Test Graph

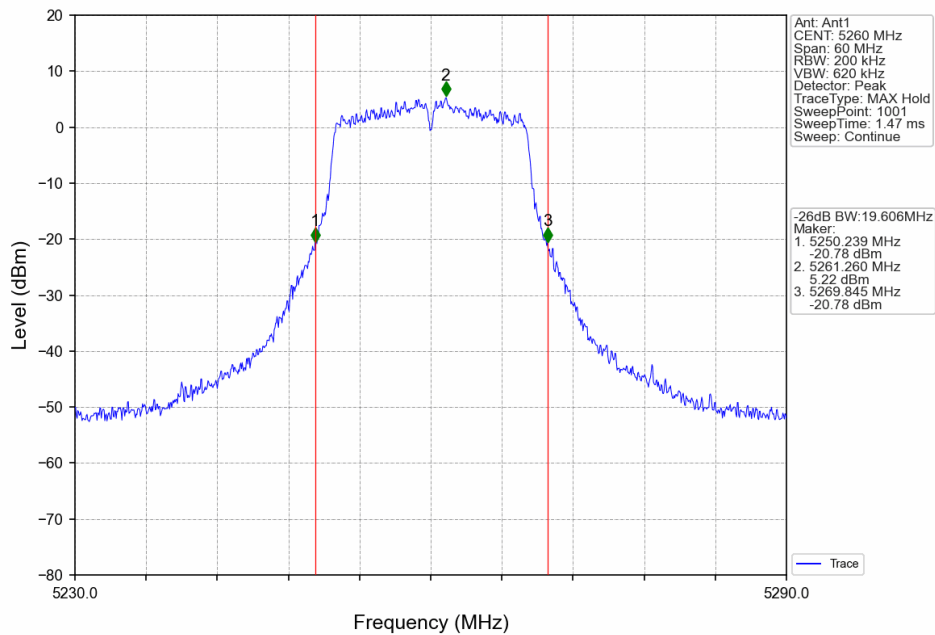


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802.11a_HCH_5240MHz_Ant1_NTNV



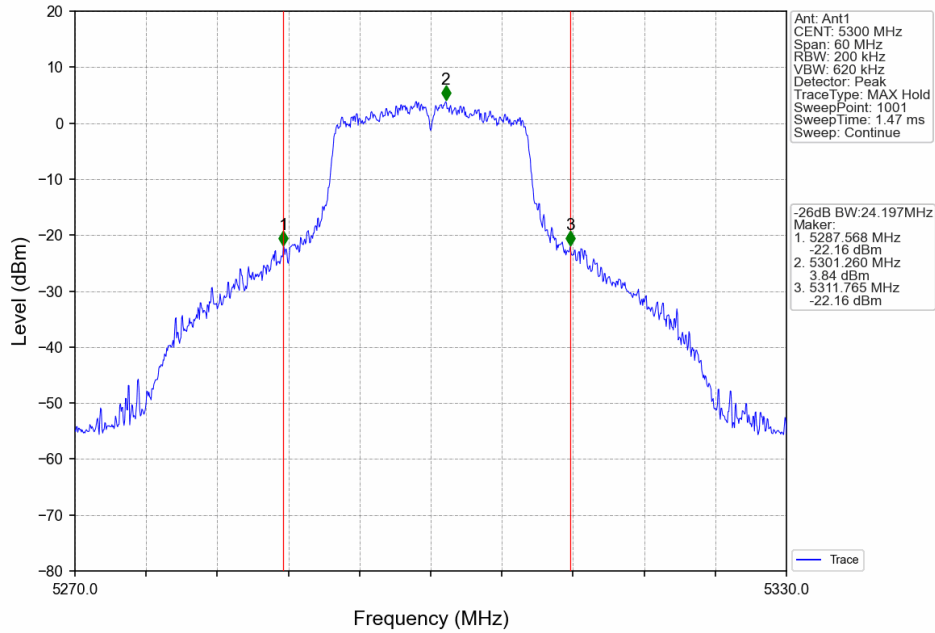
802.11a_LCH_5260MHz_Ant1_NTNV



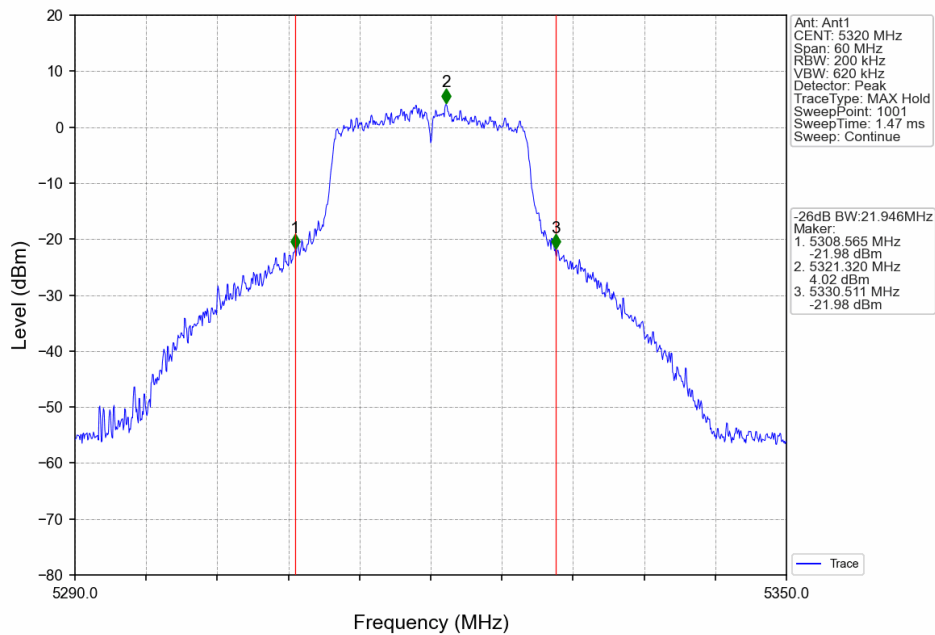
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802.11a_MCH_5300MHz_Ant1_NTNV

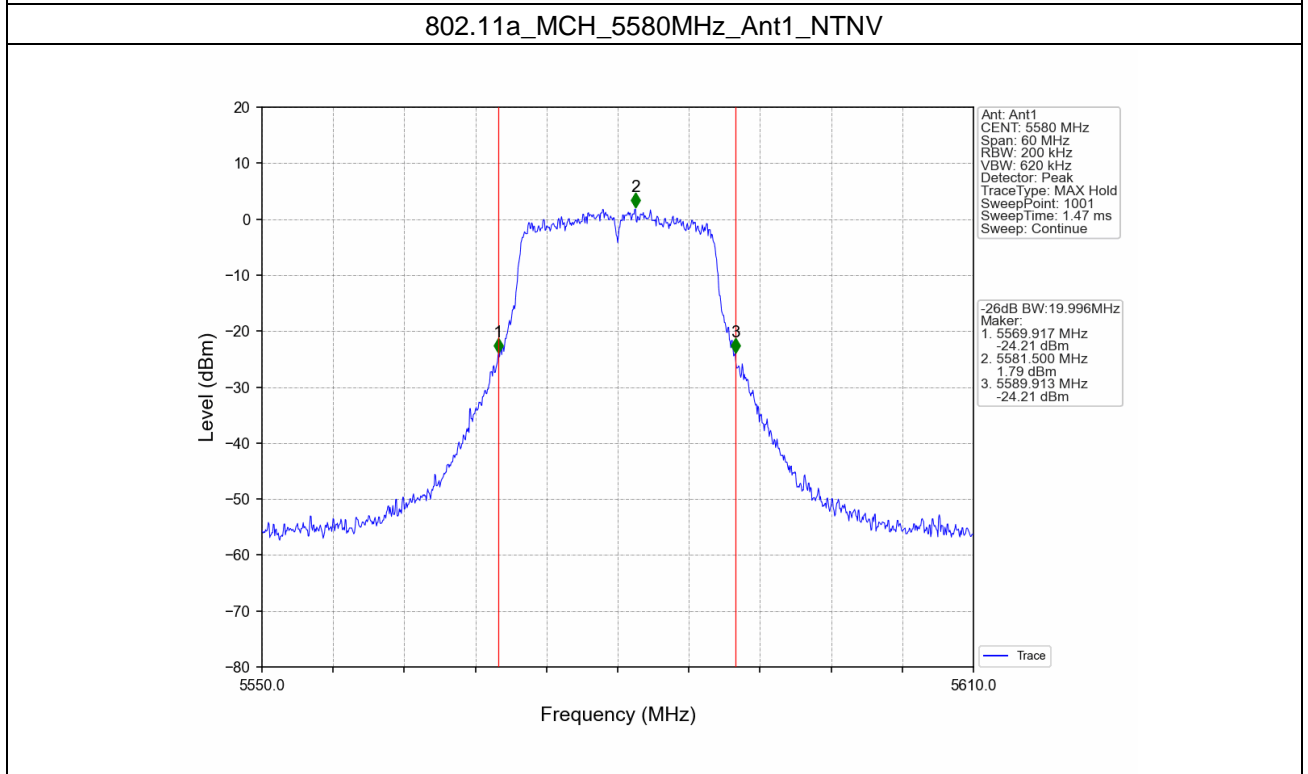
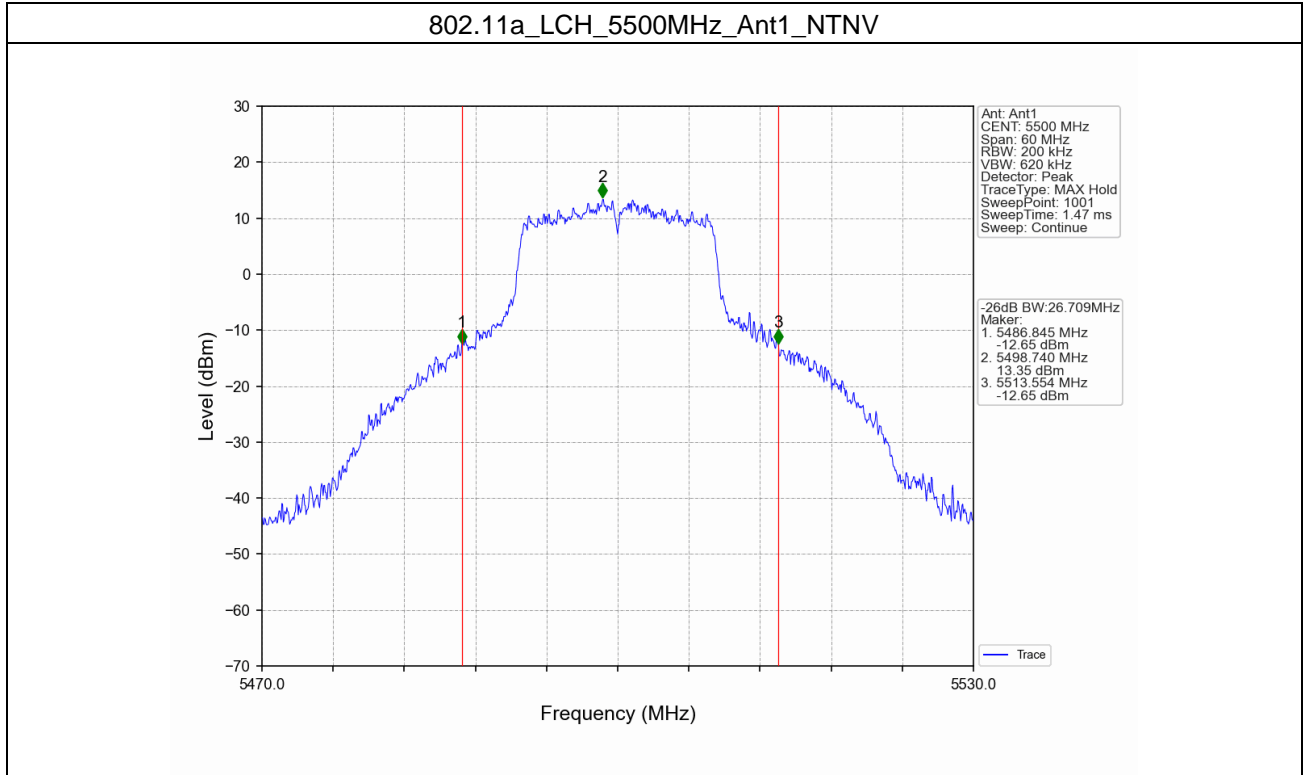


802.11a_HCH_5320MHz_Ant1_NTNV



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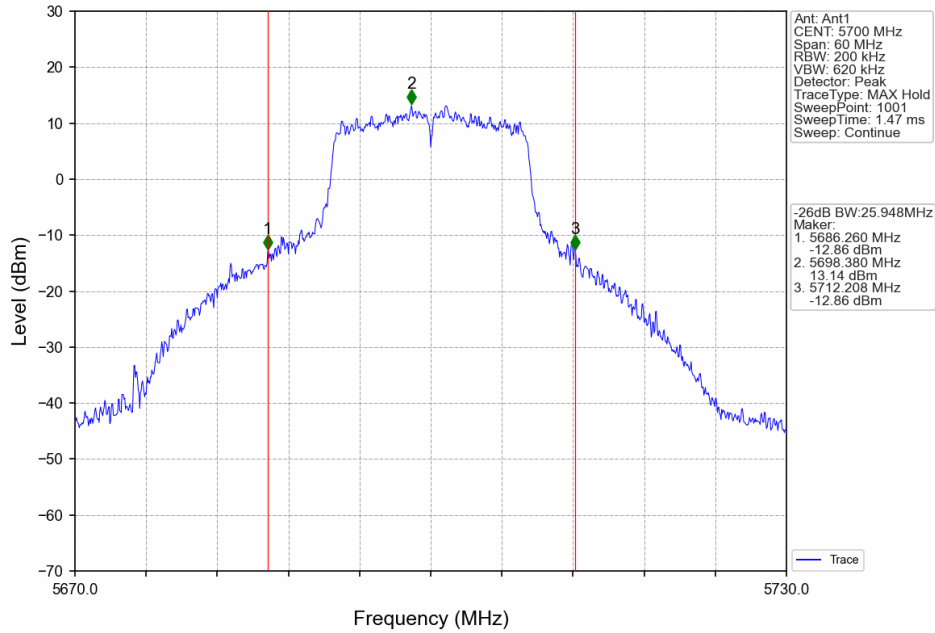
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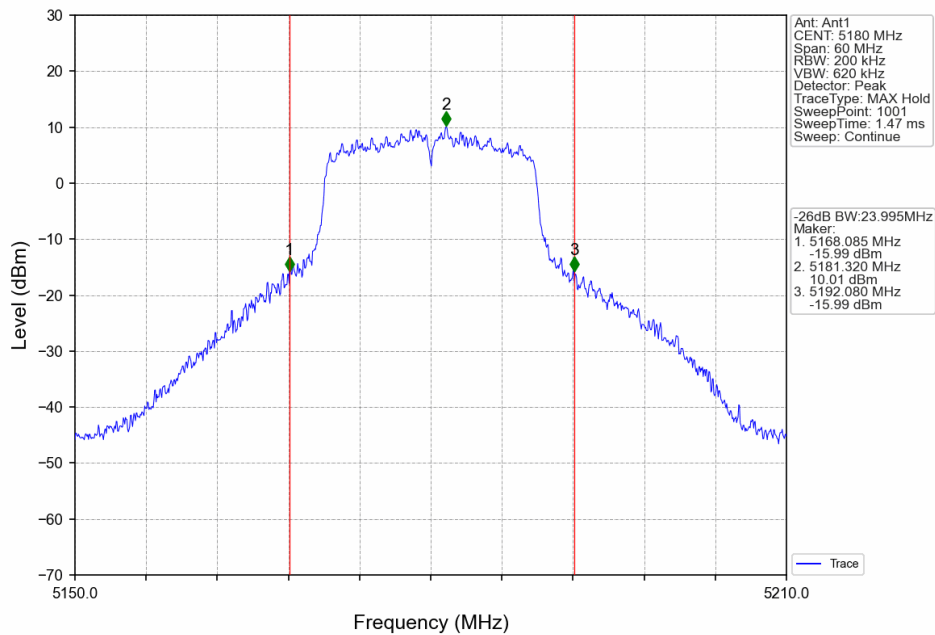
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802.11a_HCH_5700MHz_Ant1_NTNV

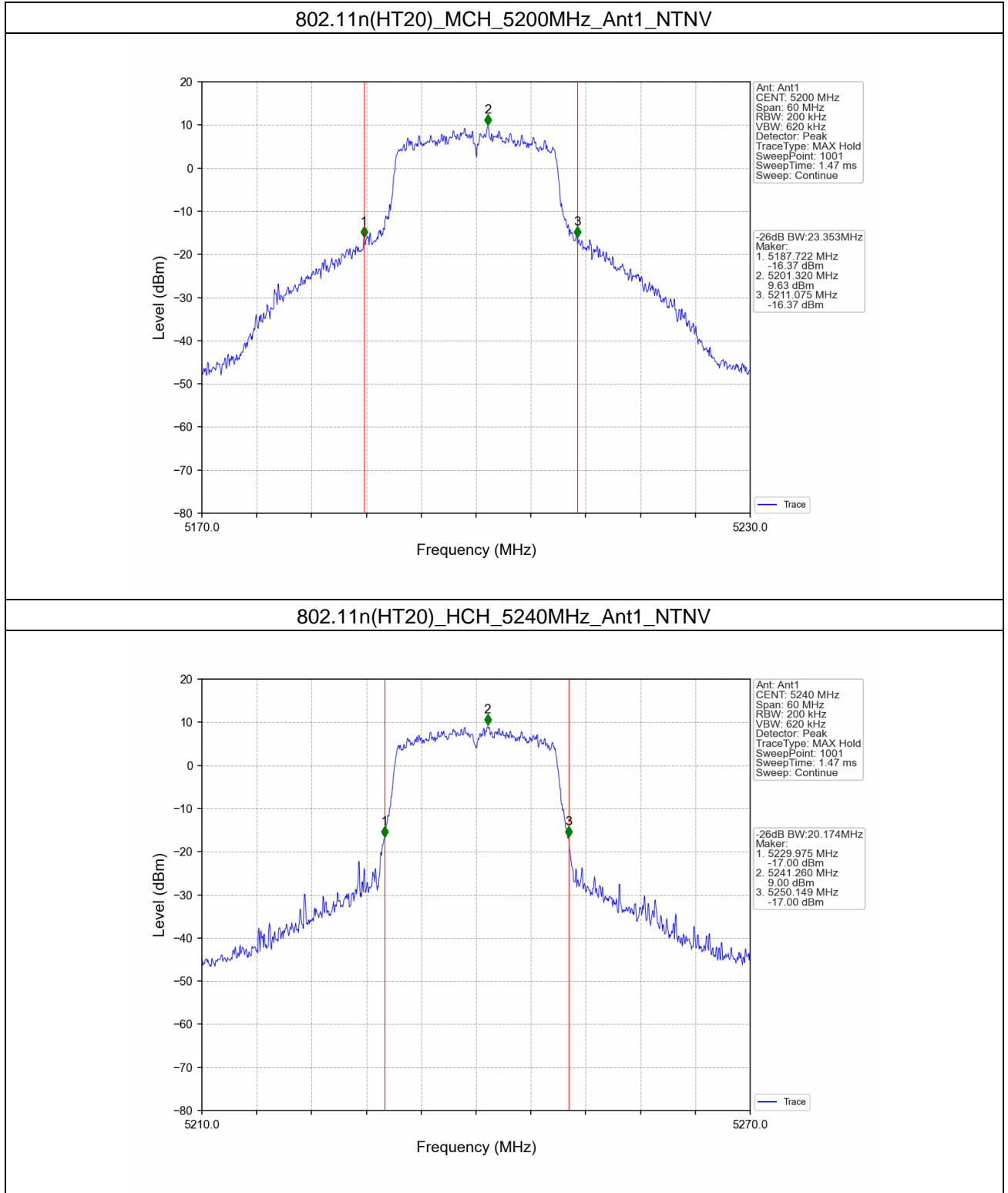


802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



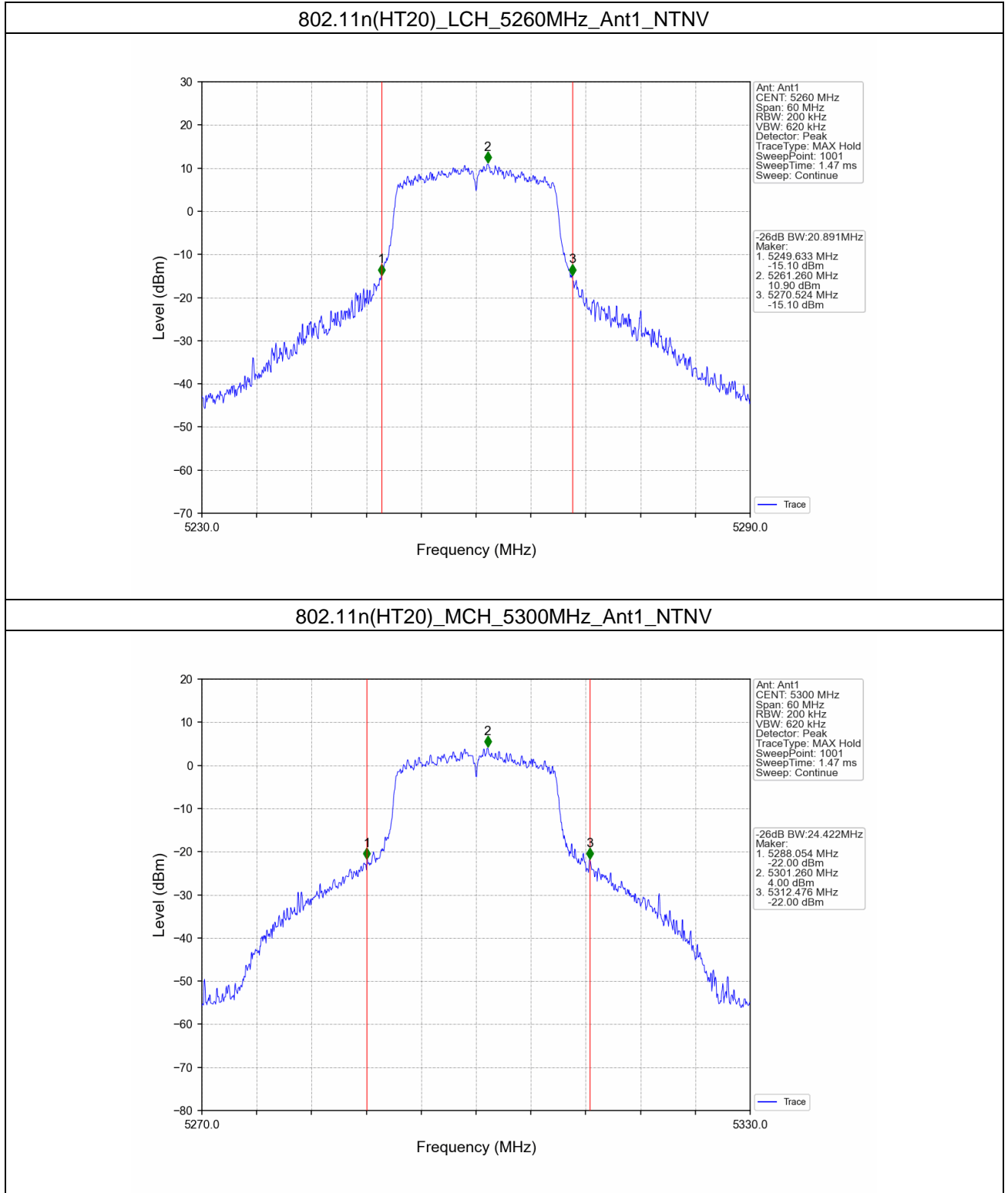
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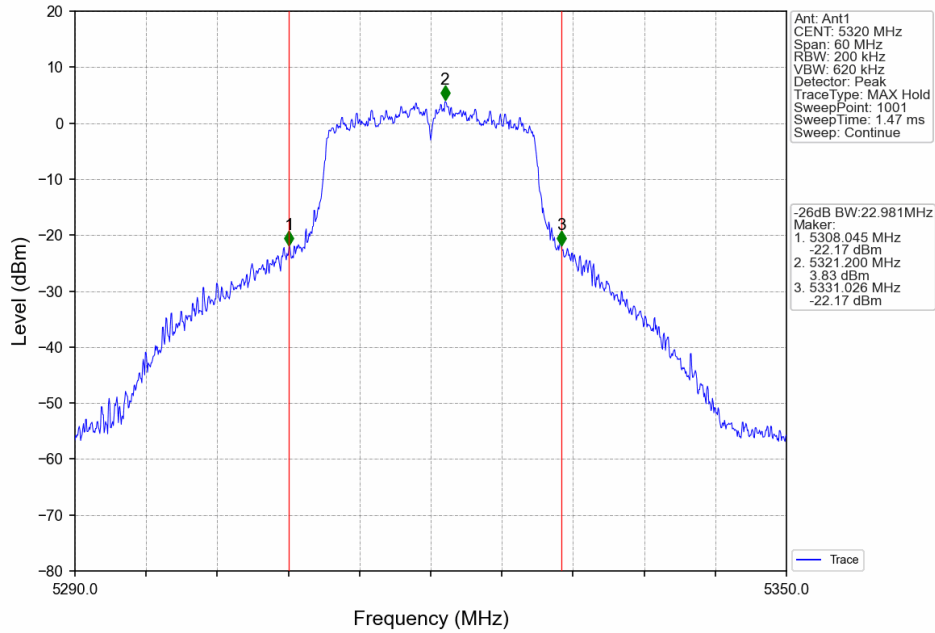
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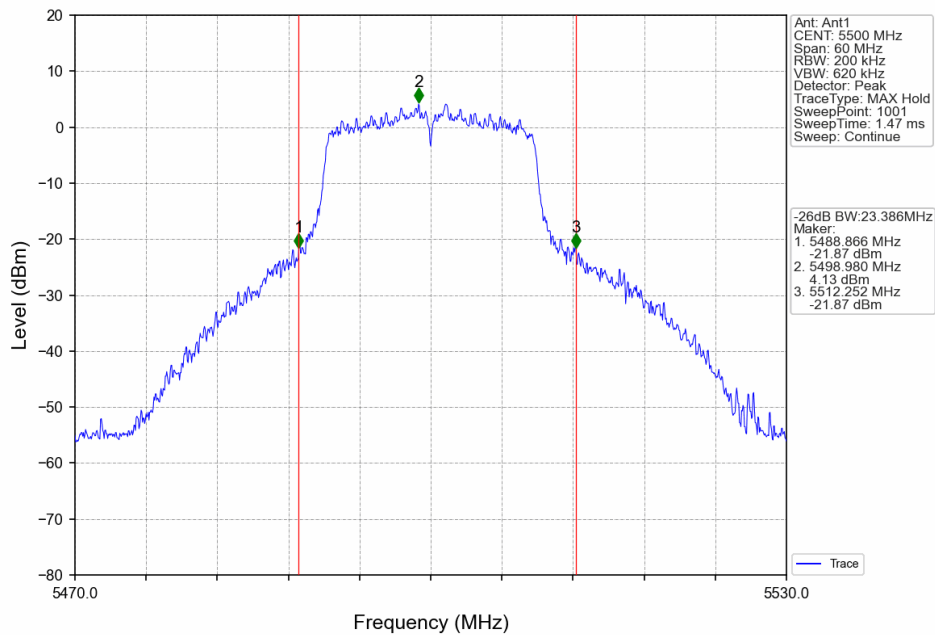
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802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



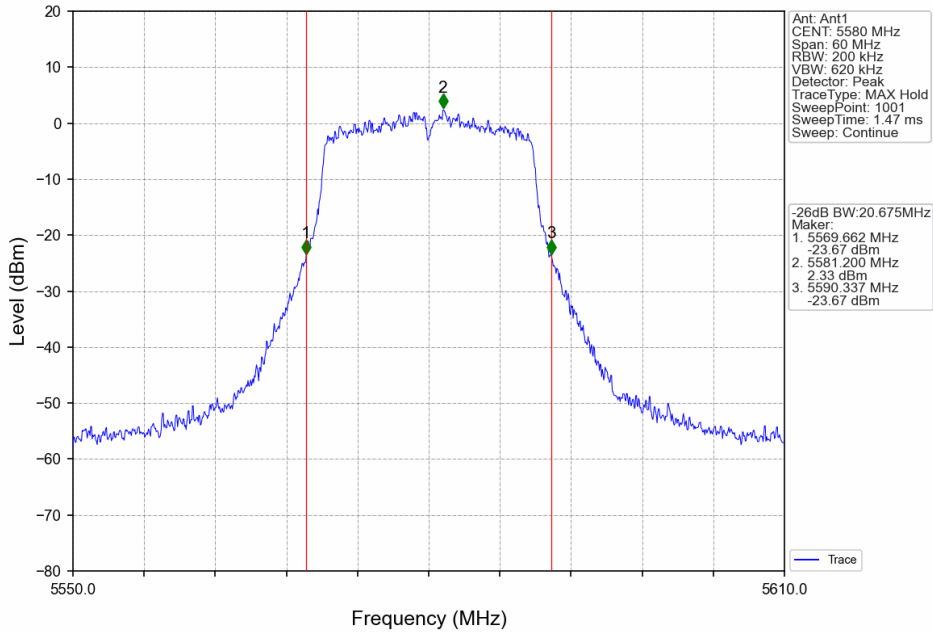
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



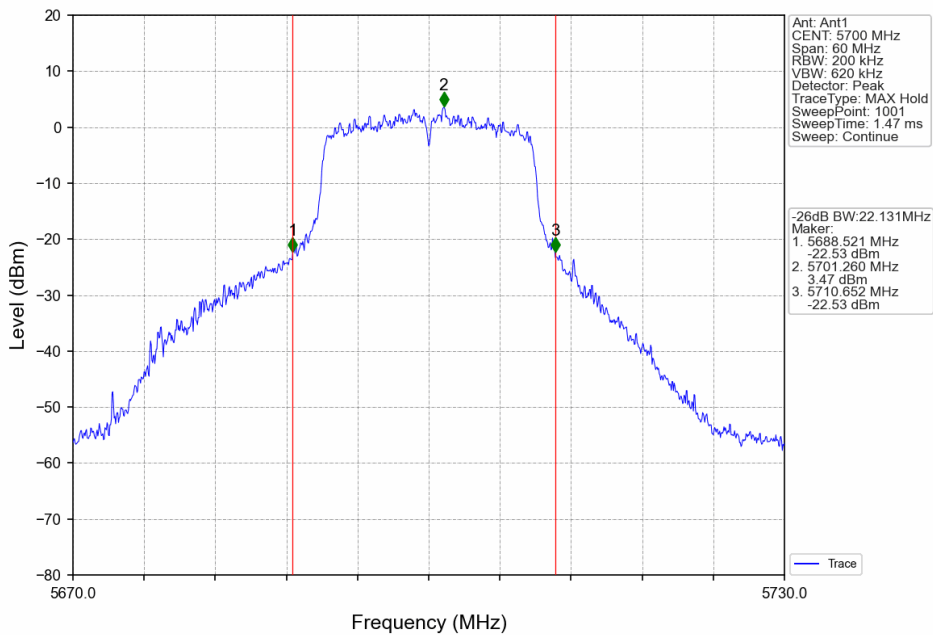
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802.11n(HT20)_MCH_5580MHz_Ant1_NTNV

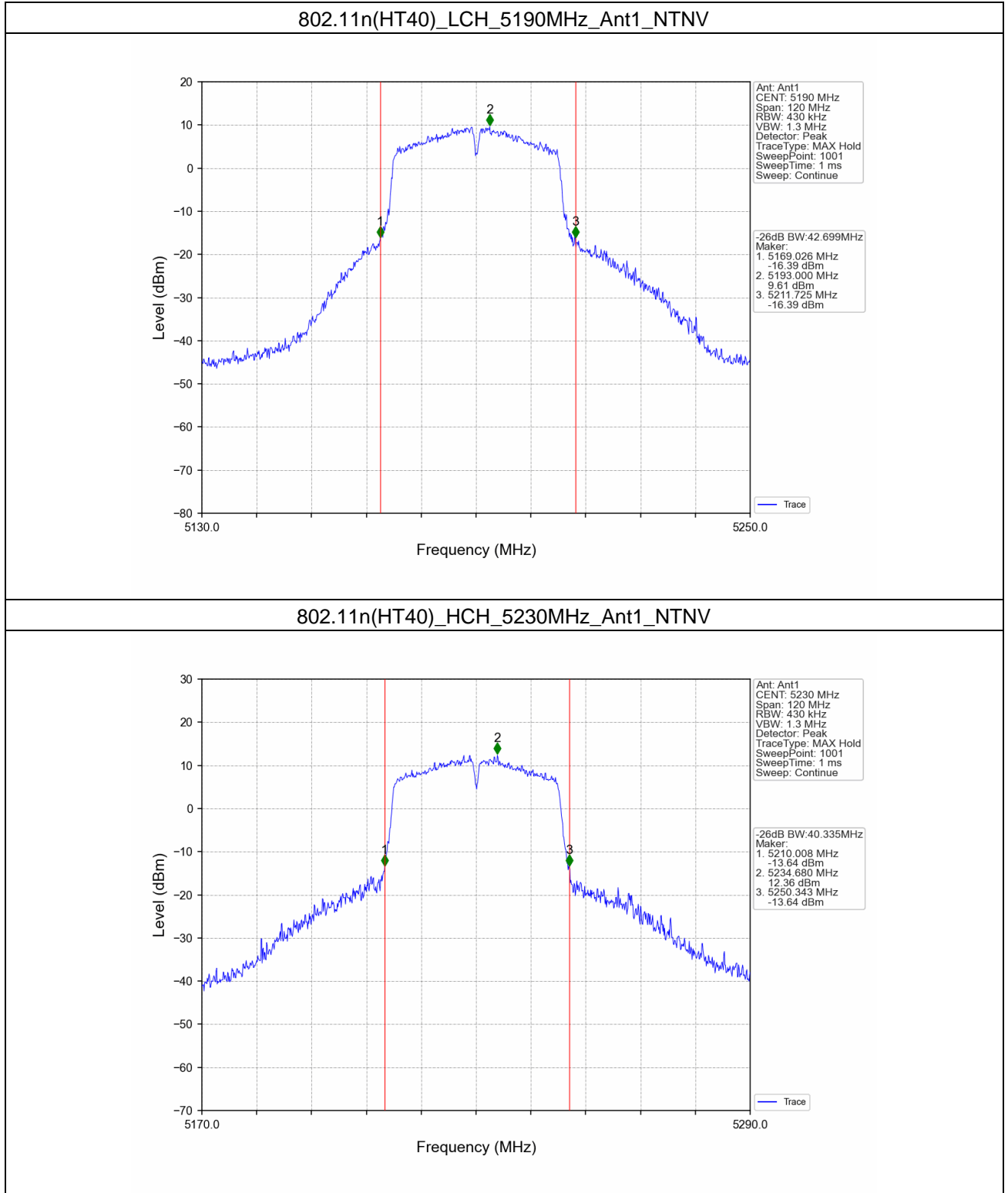


802.11n(HT20)_HCH_5700MHz_Ant1_NTNV

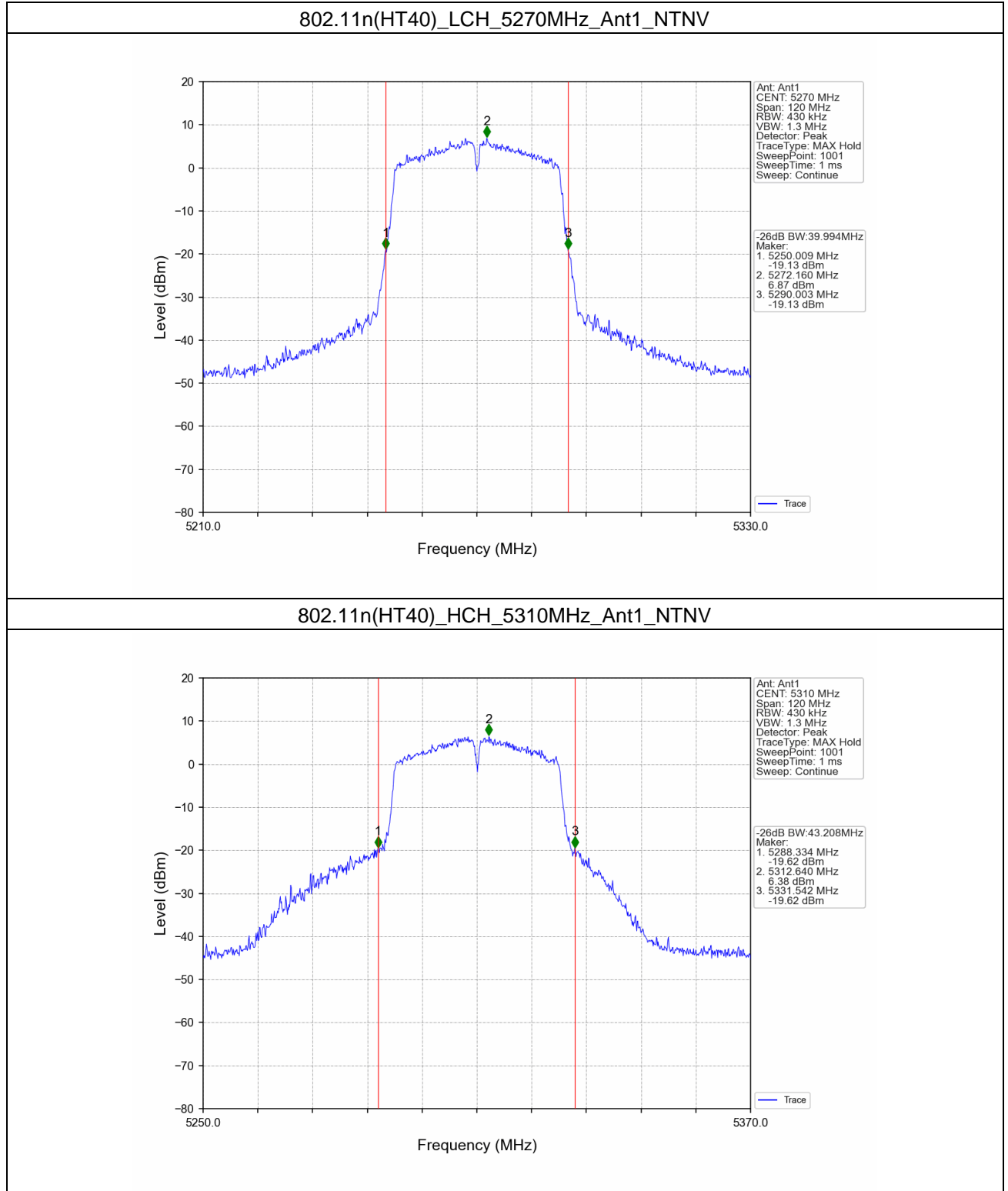


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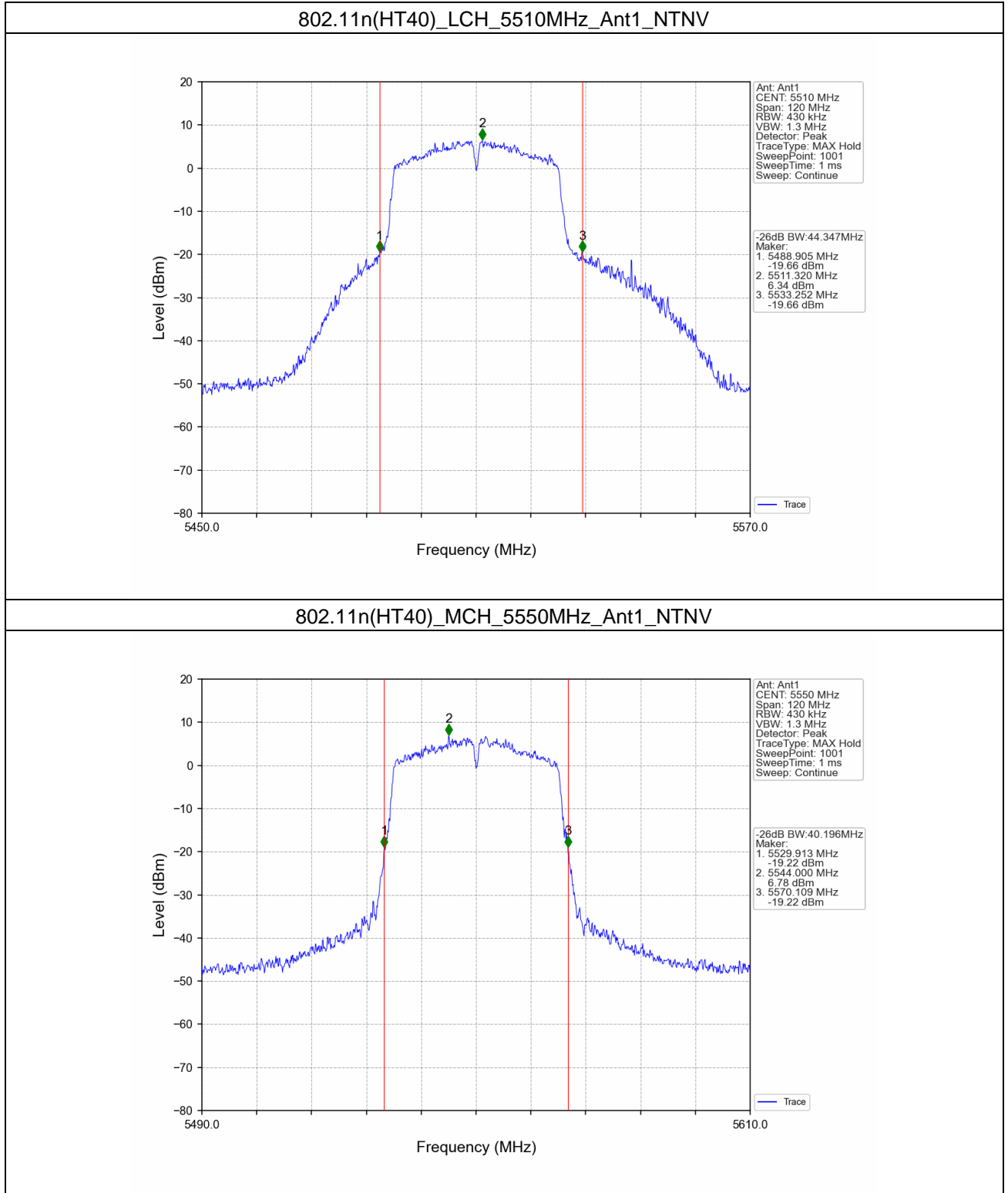
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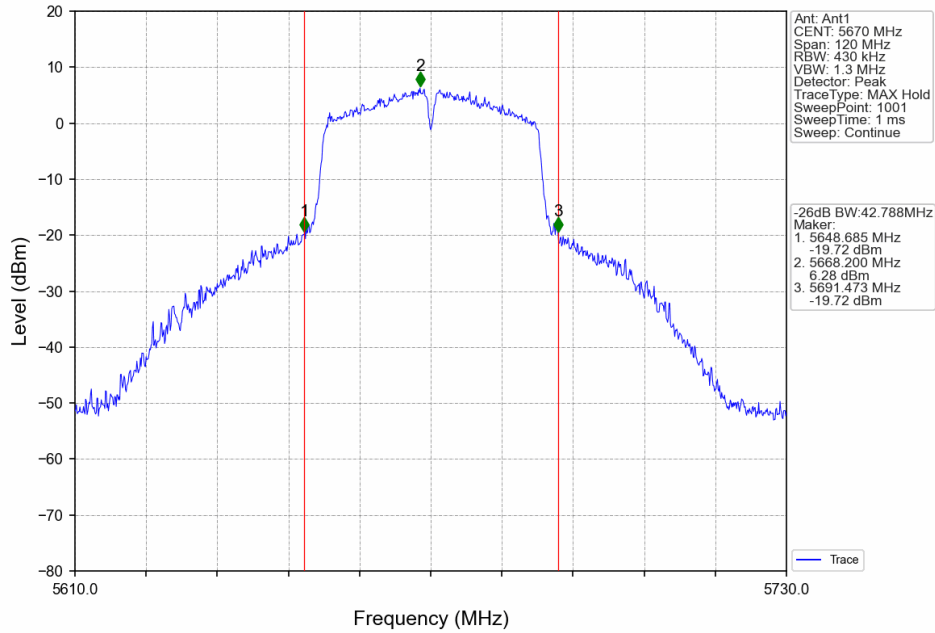
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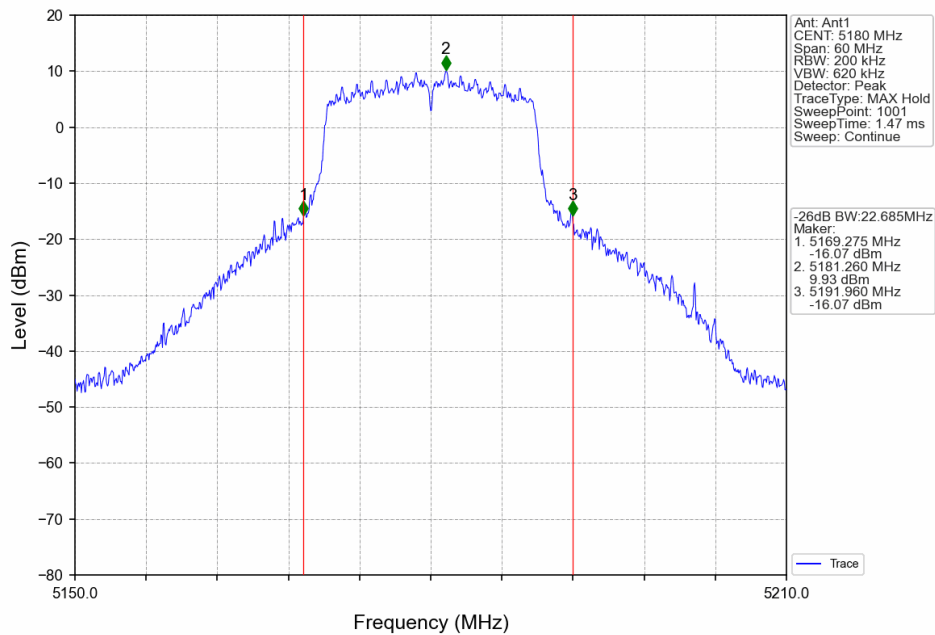
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



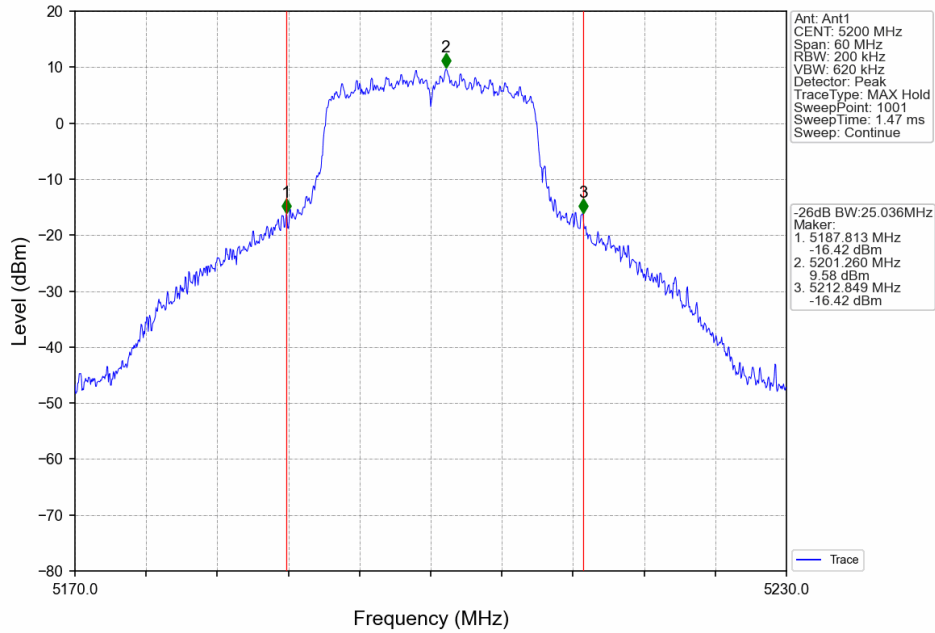
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



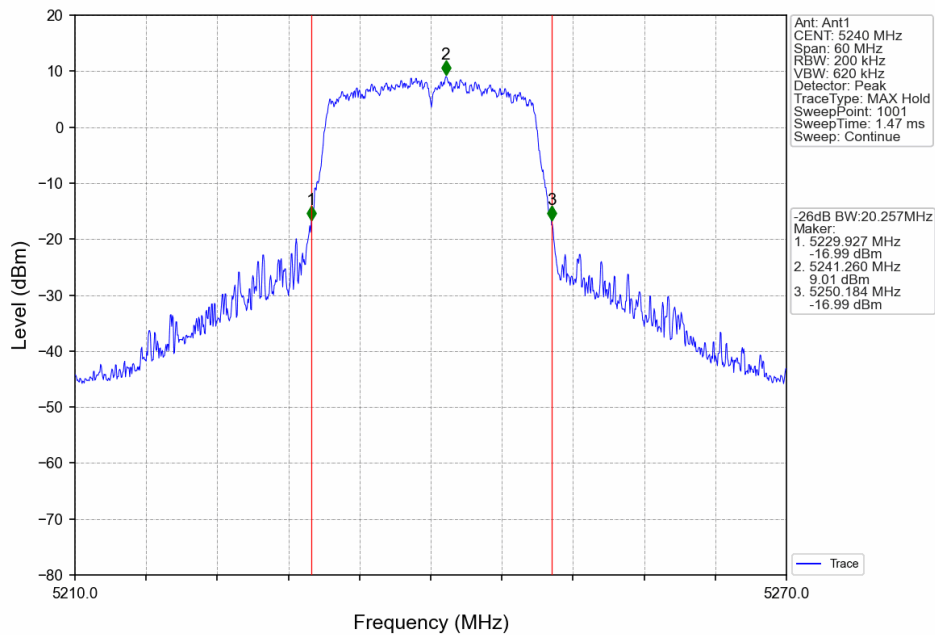
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



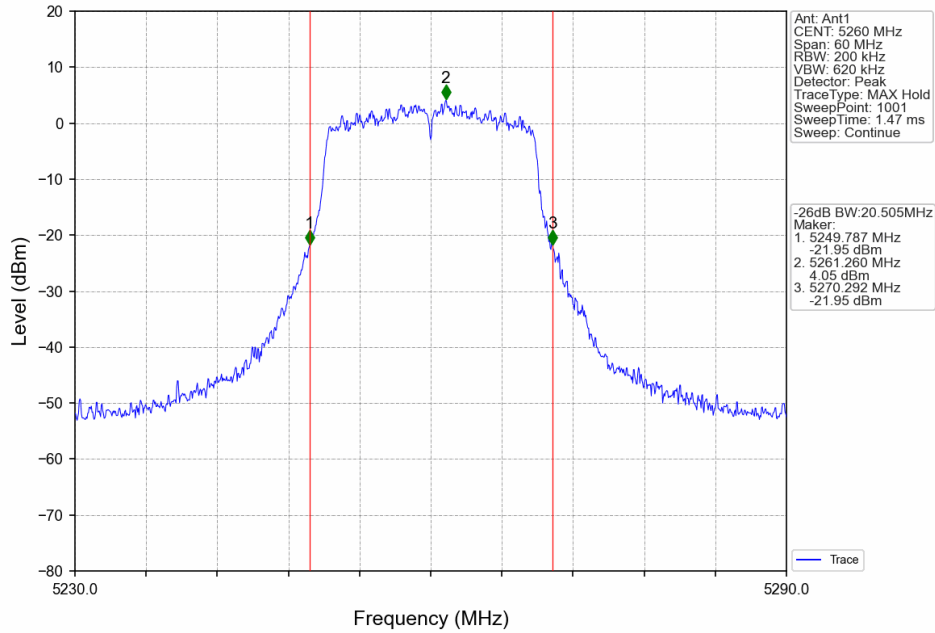
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



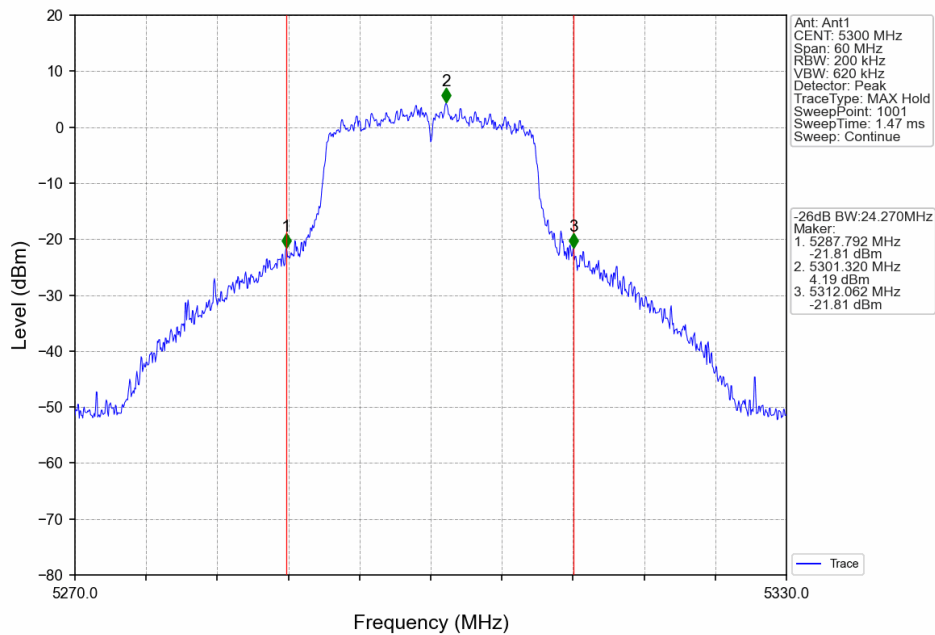
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802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



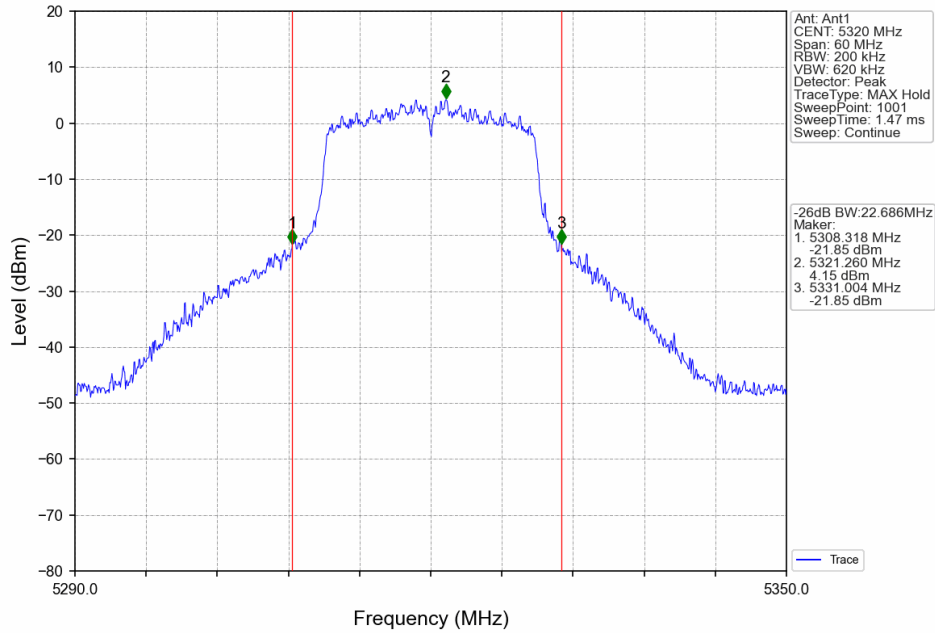
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



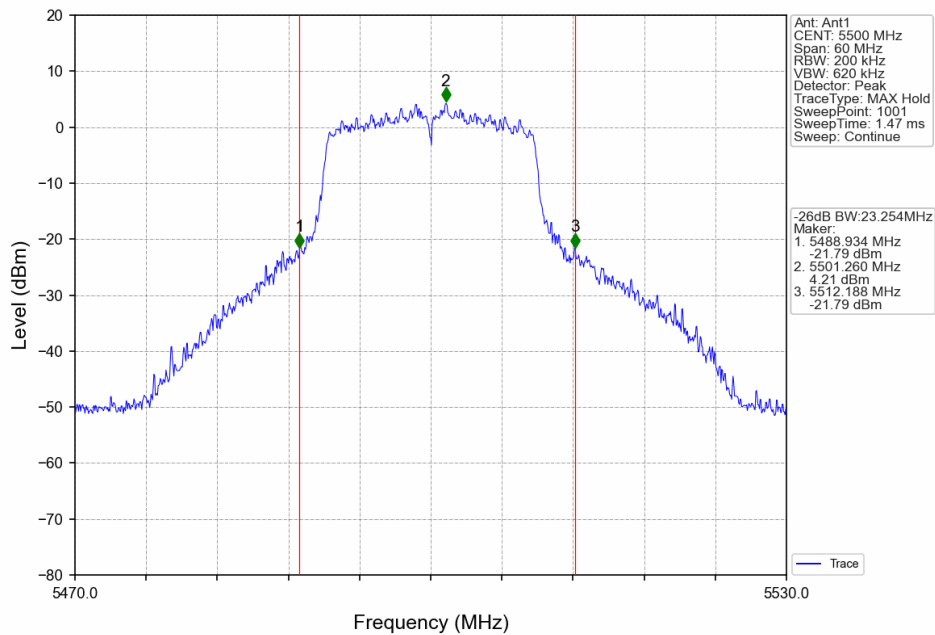
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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



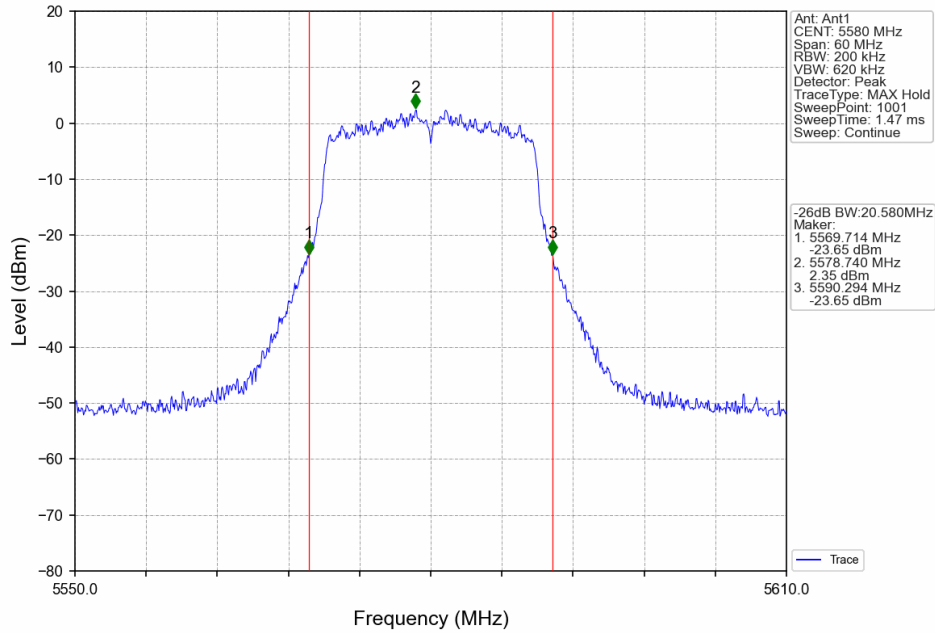
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



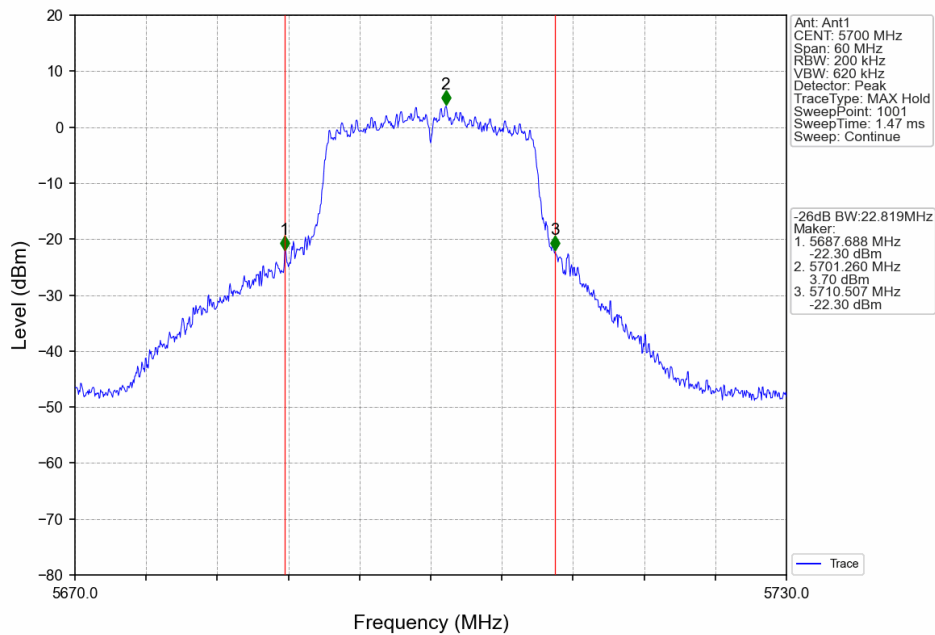
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802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



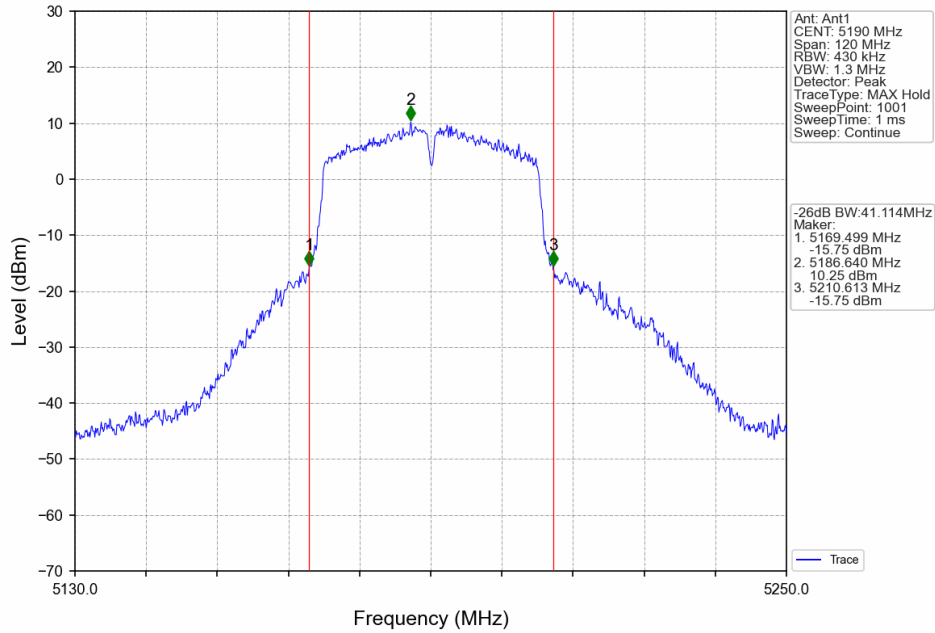
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



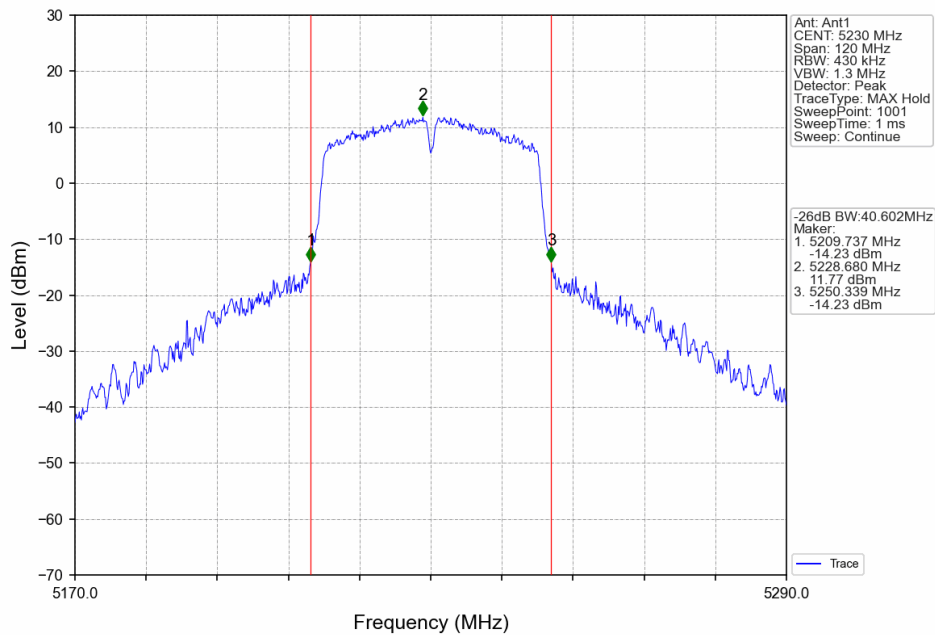
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802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



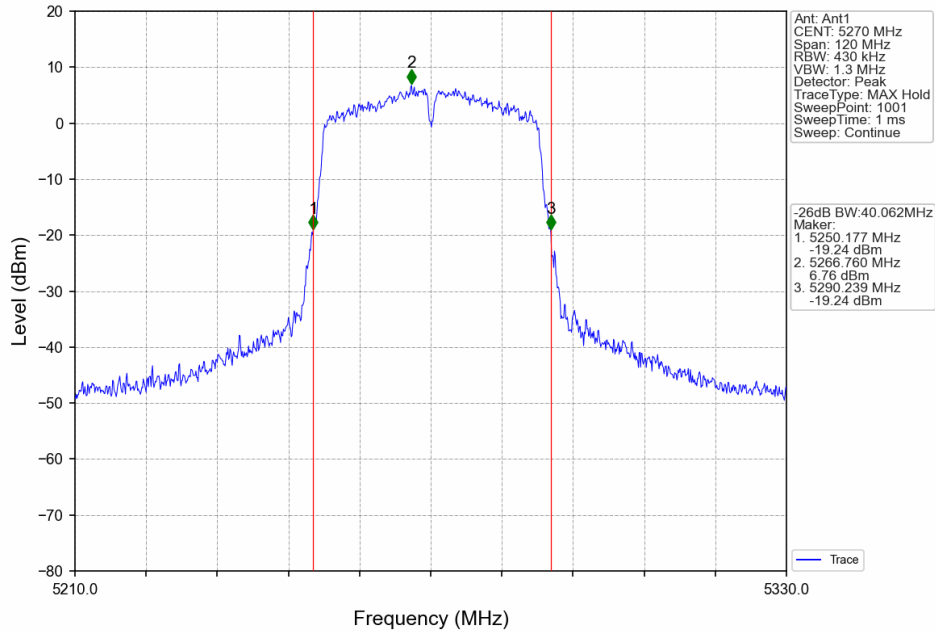
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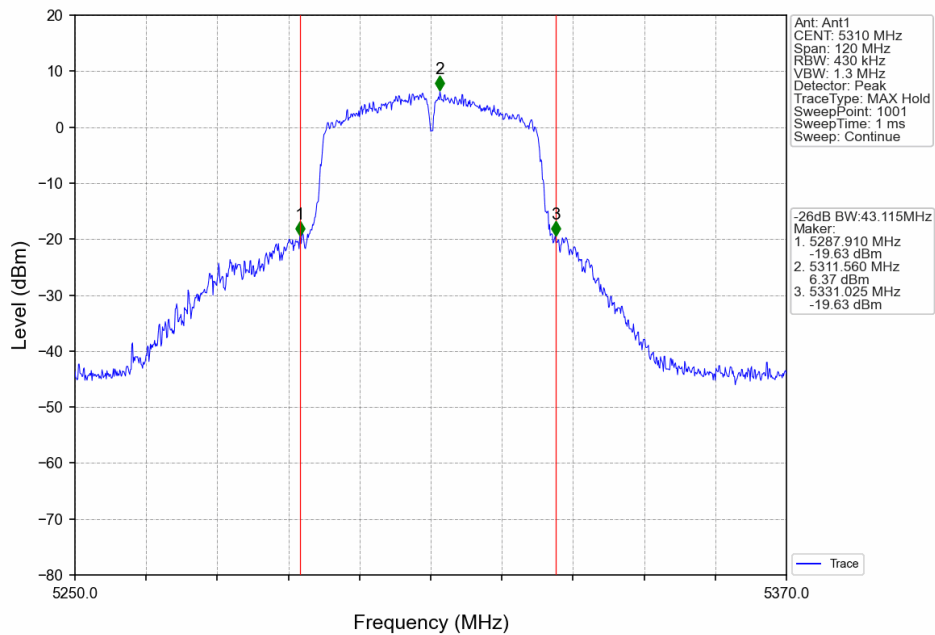
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802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



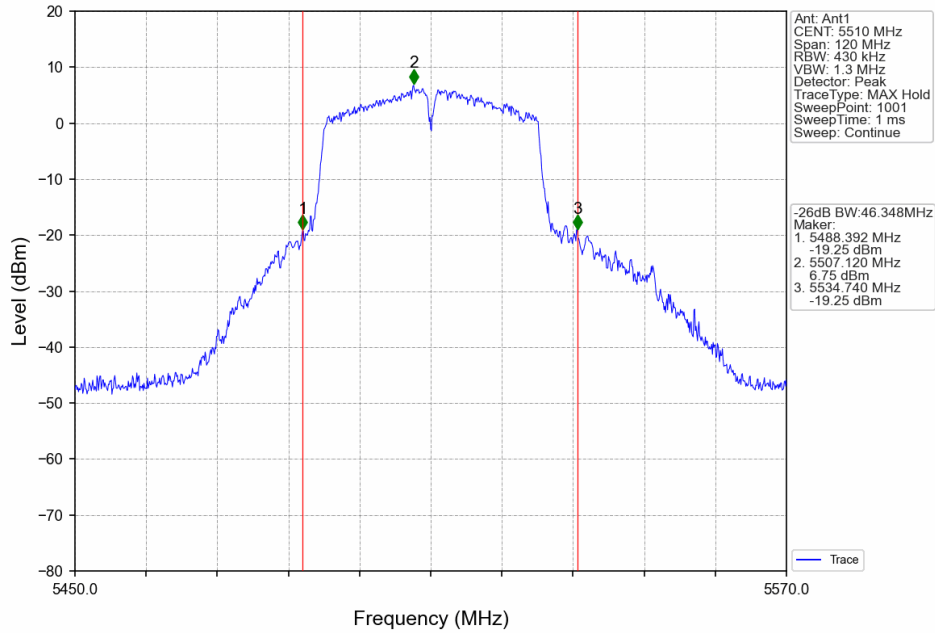
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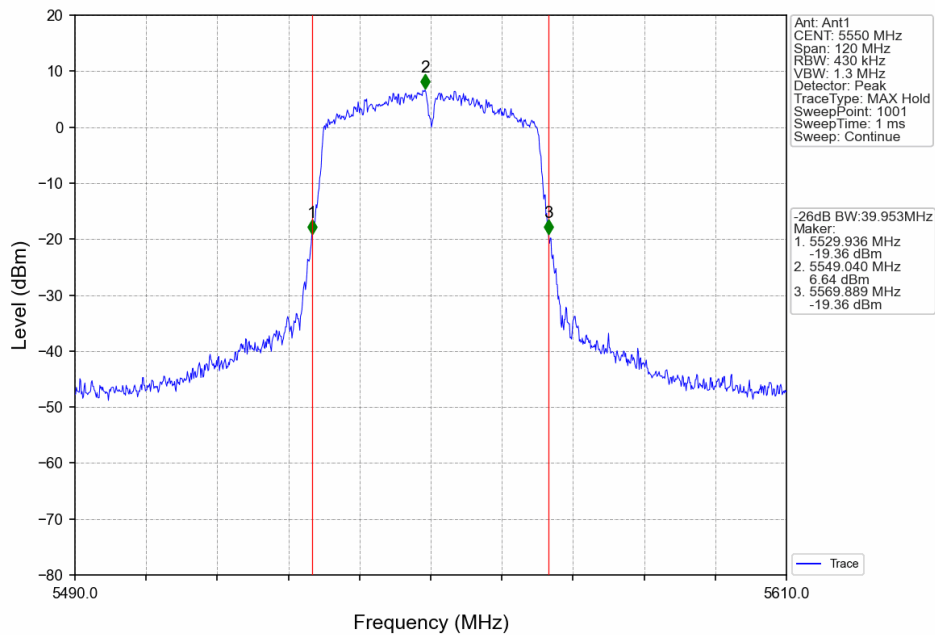
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802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



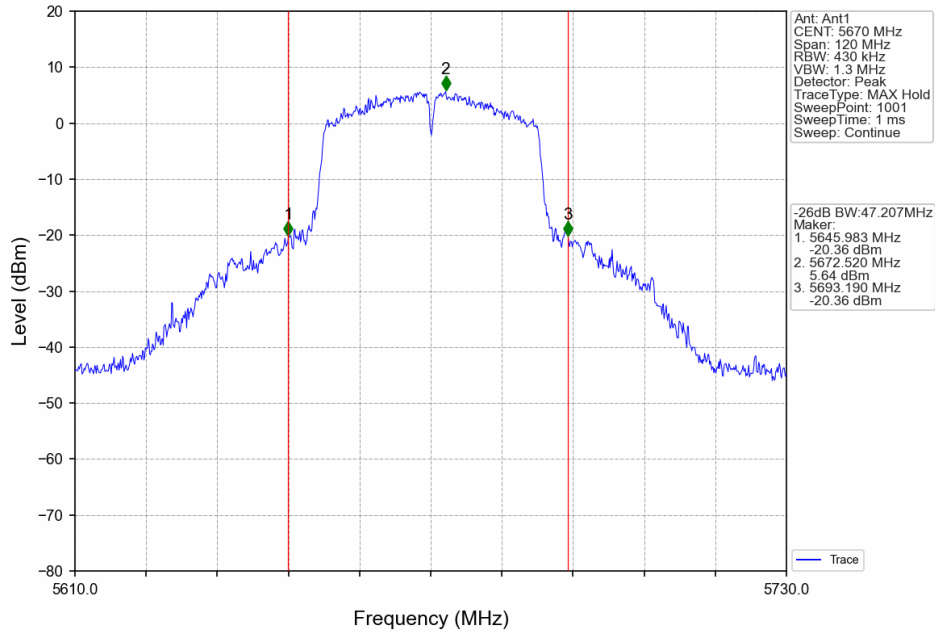
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



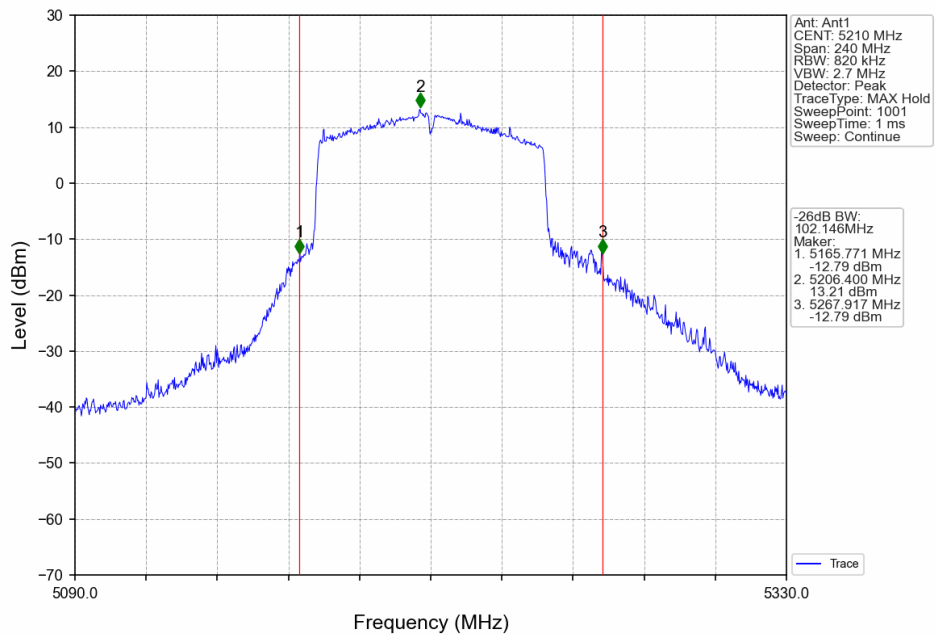
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802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



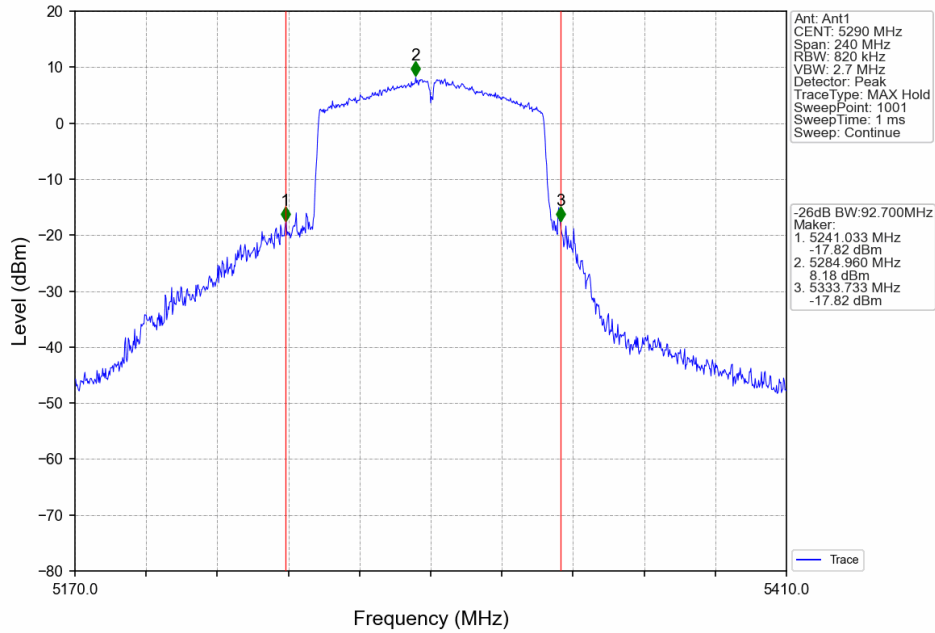
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



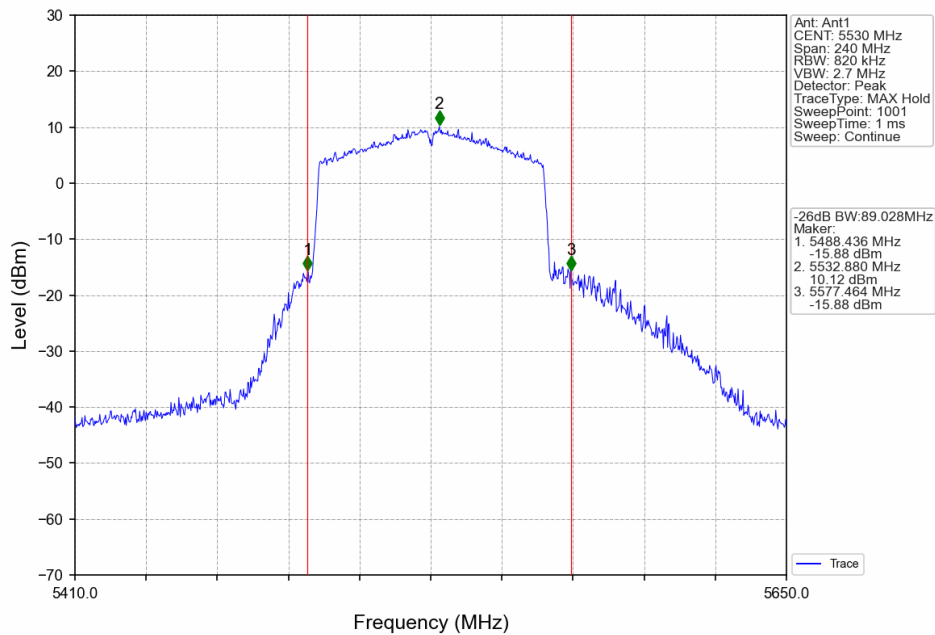
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802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



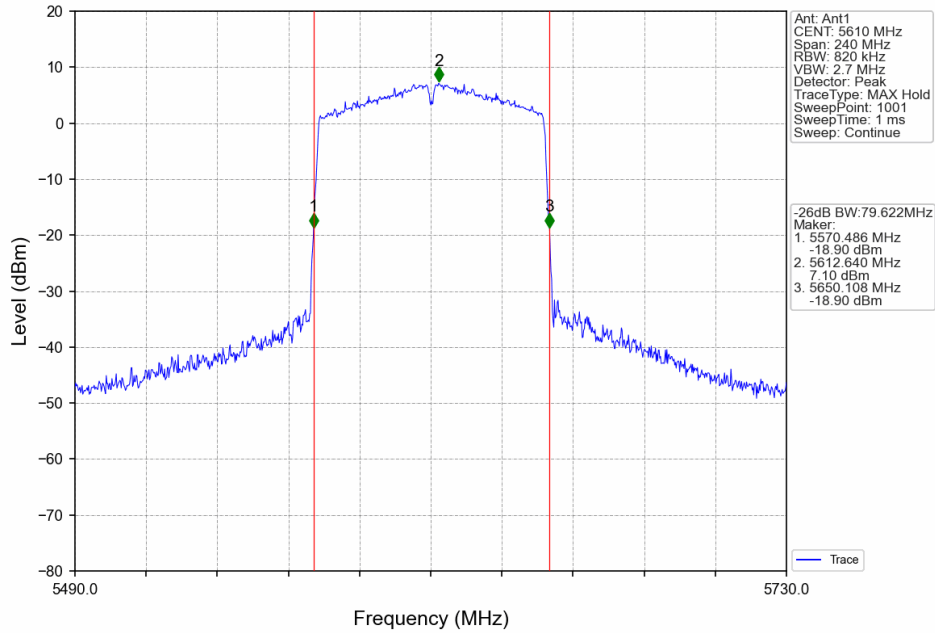
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



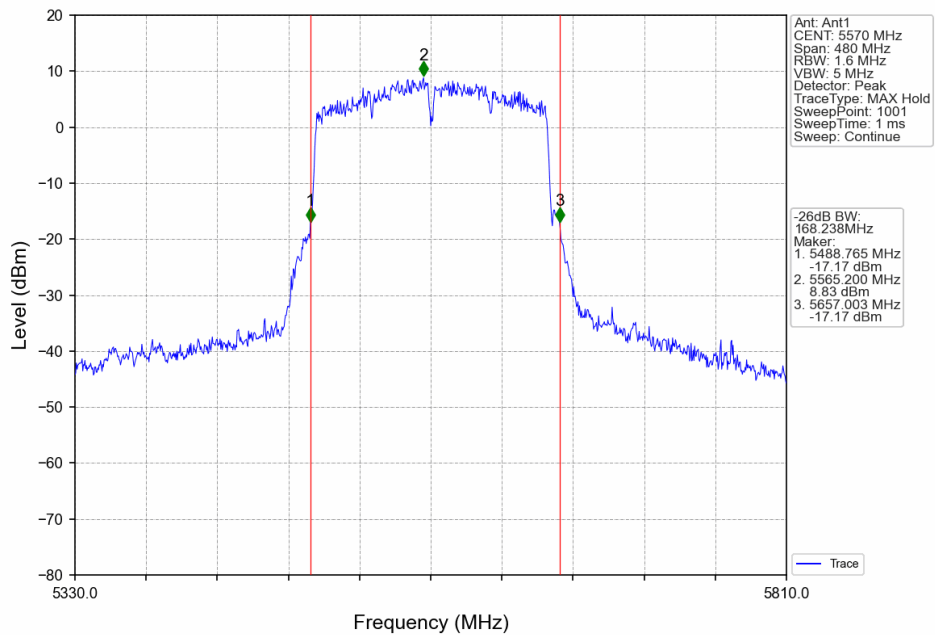
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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

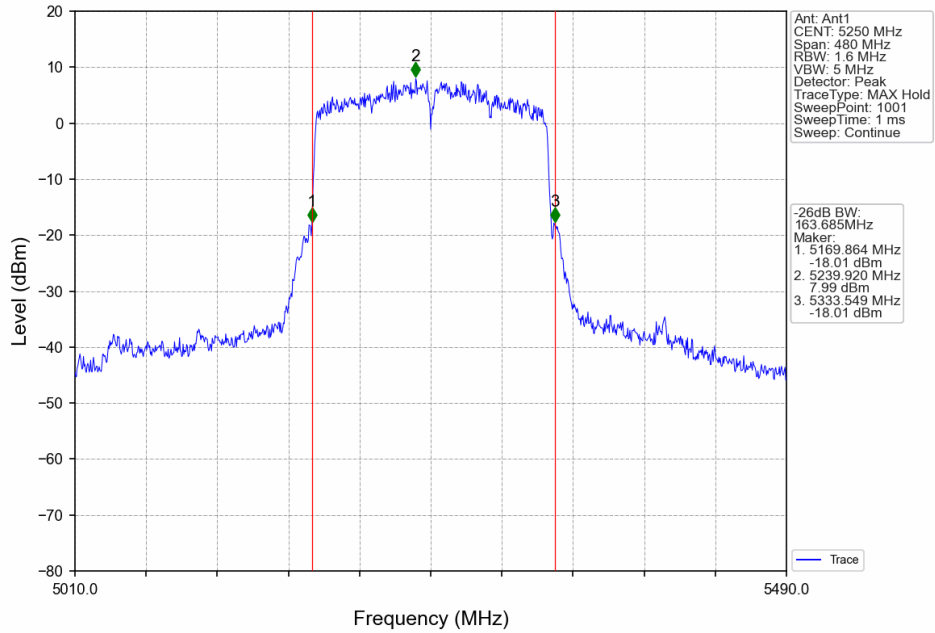


802.11ac(VHT160)_MCH_5570MHz_Ant1_NTNV

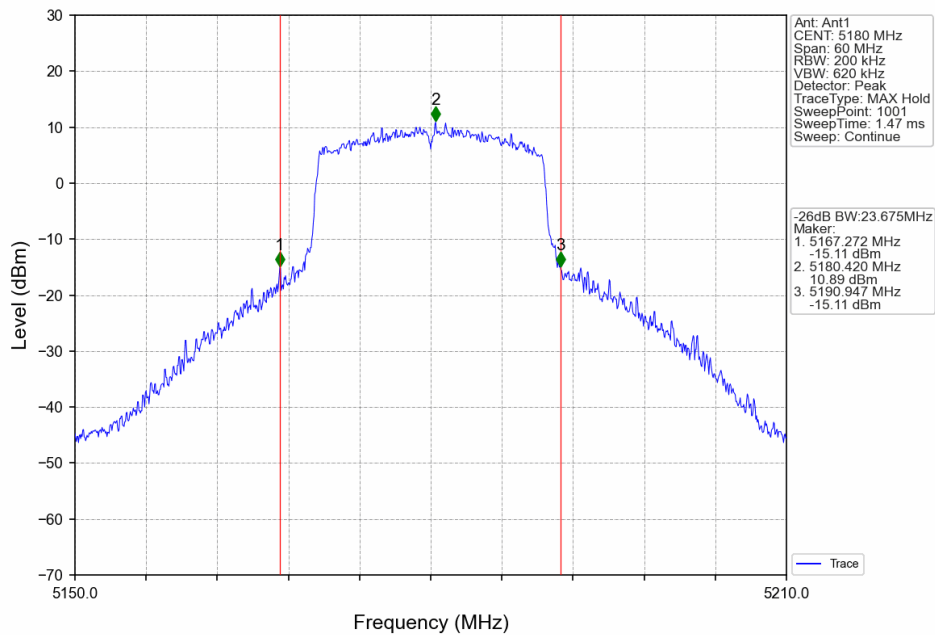


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802.11ac(VHT160)_MCH_5250MHz_Ant1_NTNV



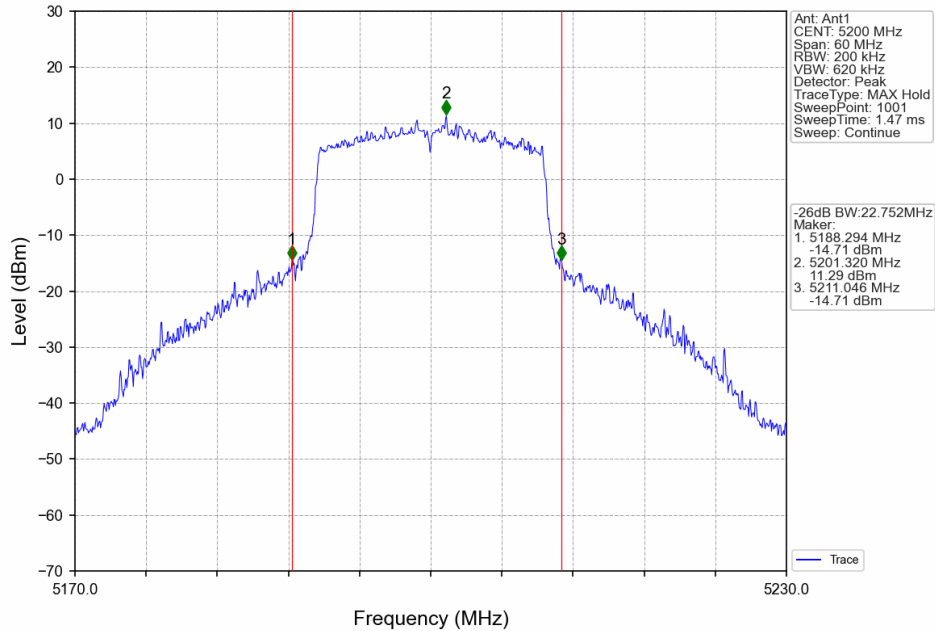
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



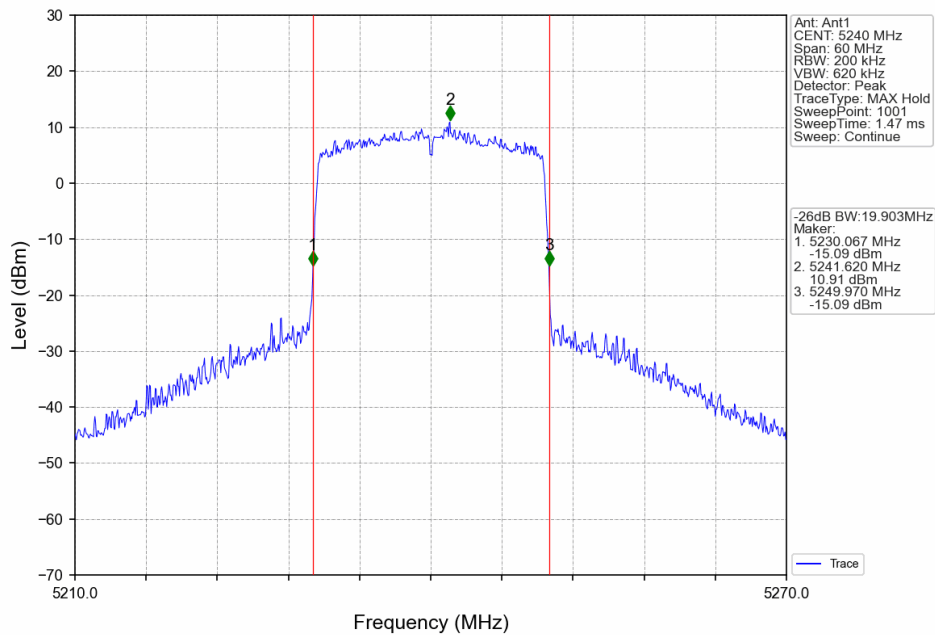
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802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



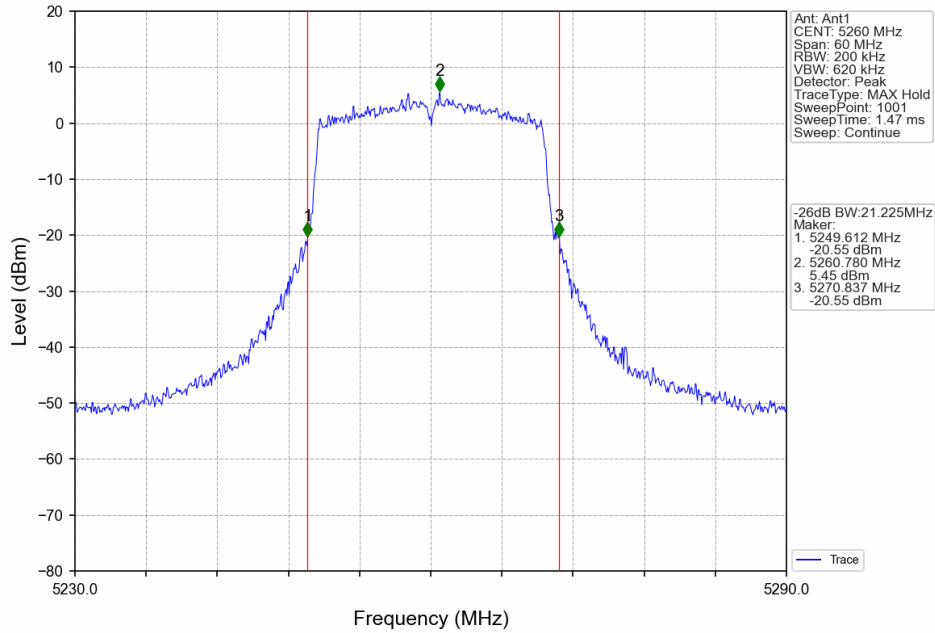
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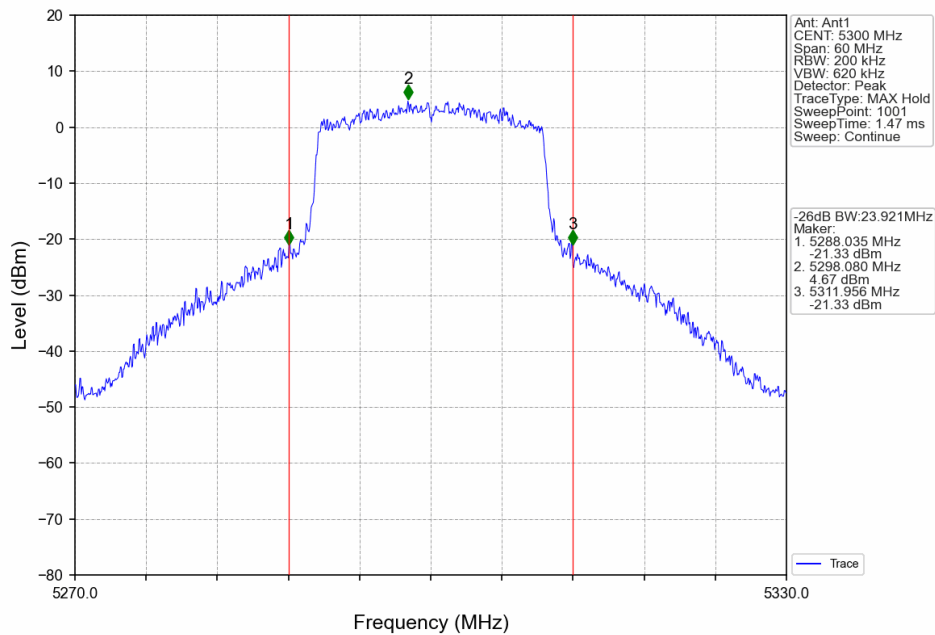
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802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



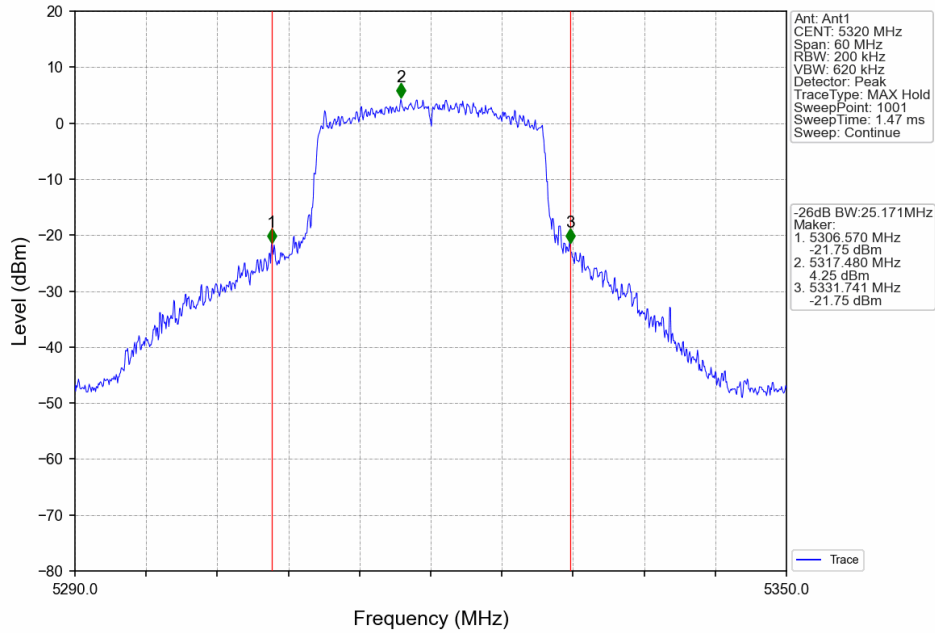
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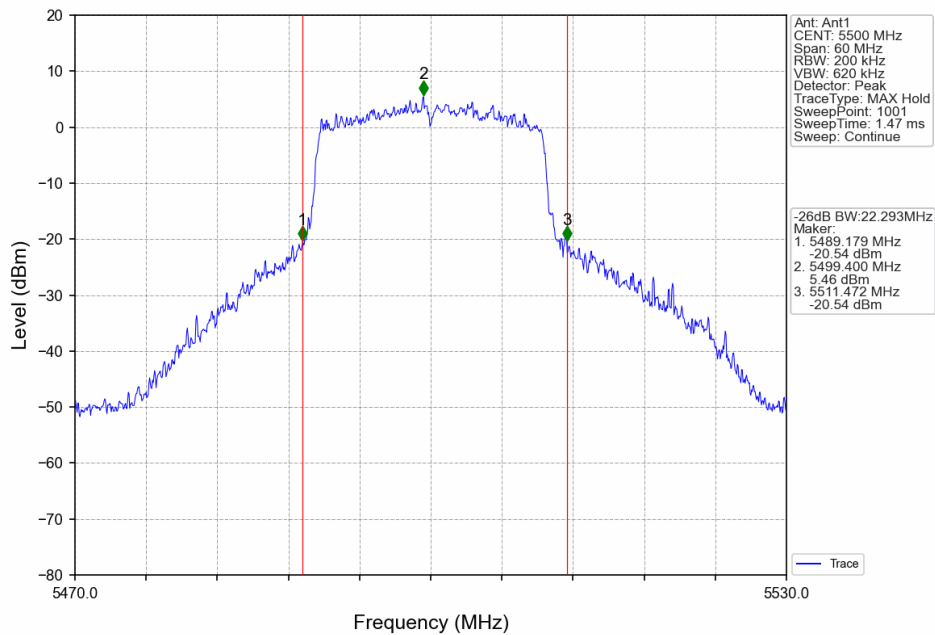
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802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



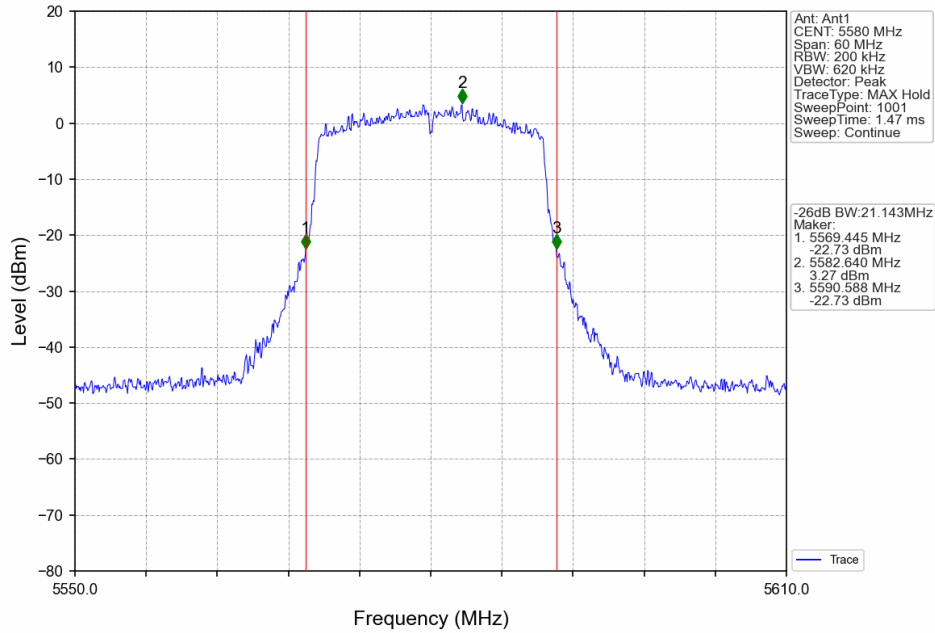
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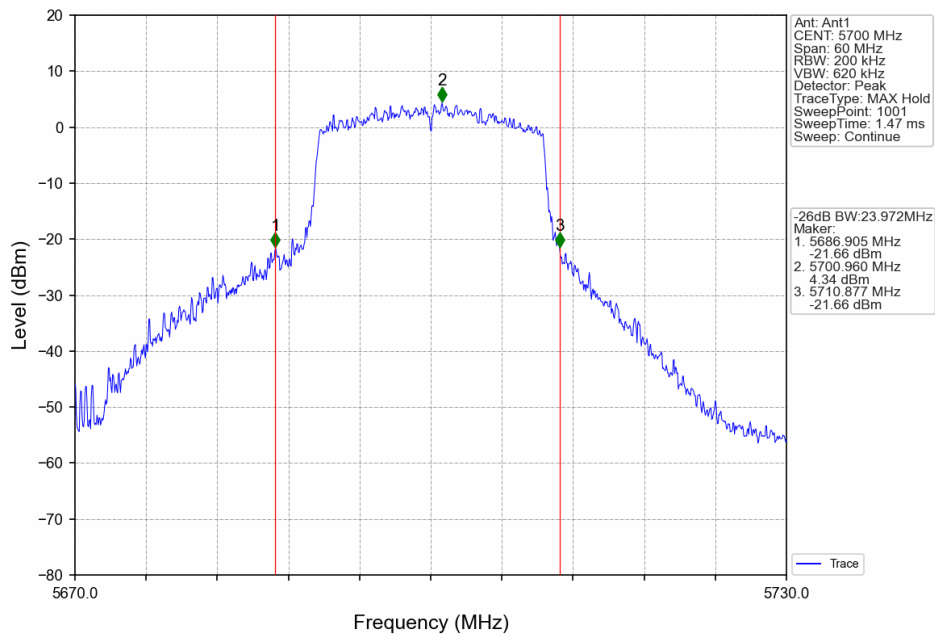
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802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant1_NTNV



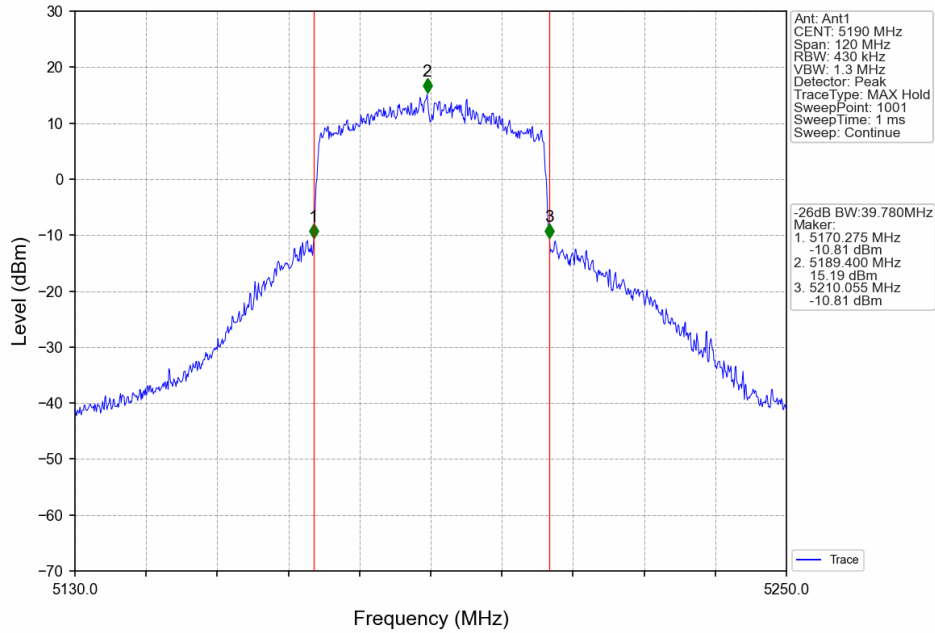
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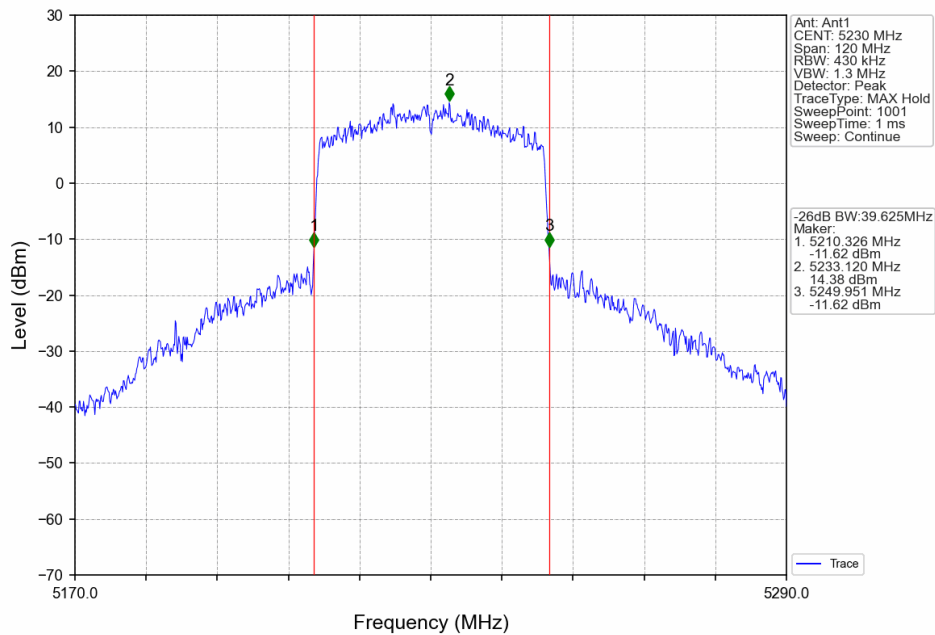
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802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



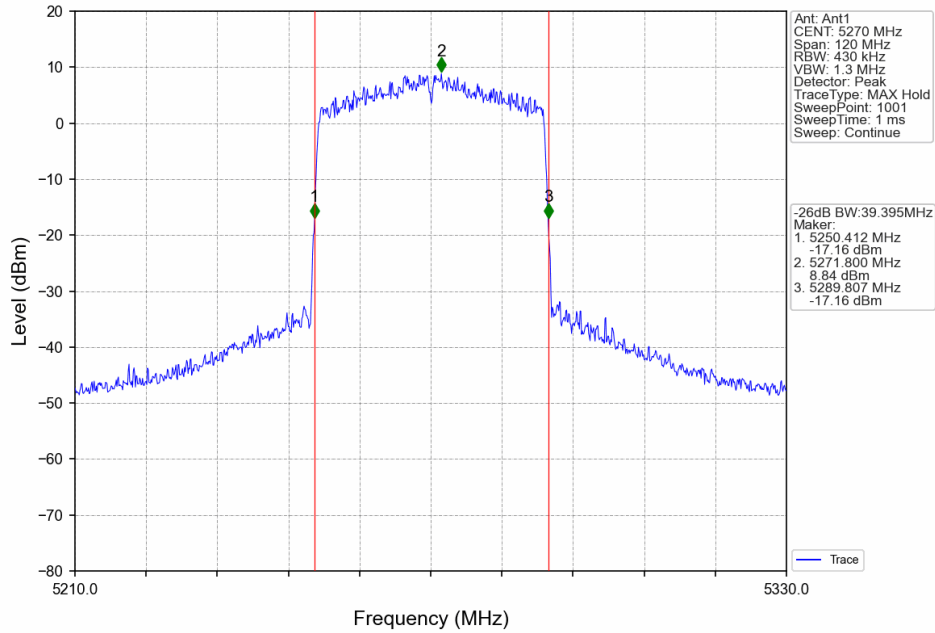
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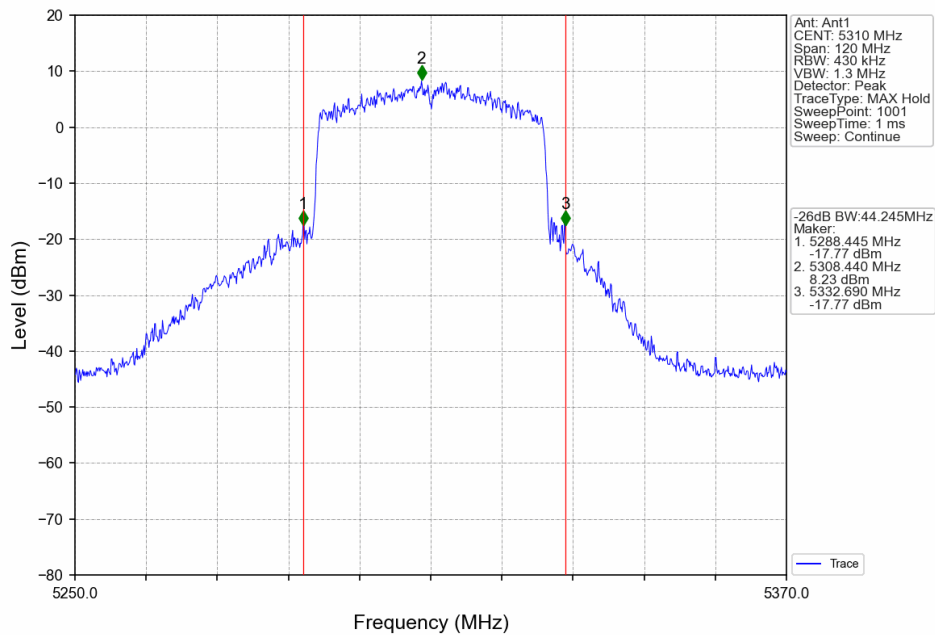
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802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant1_NTNV



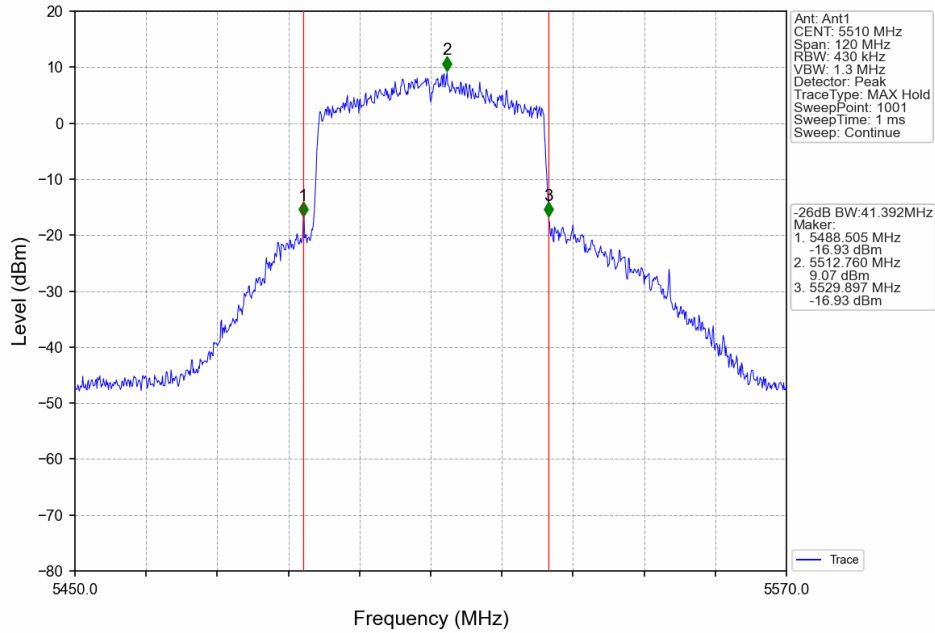
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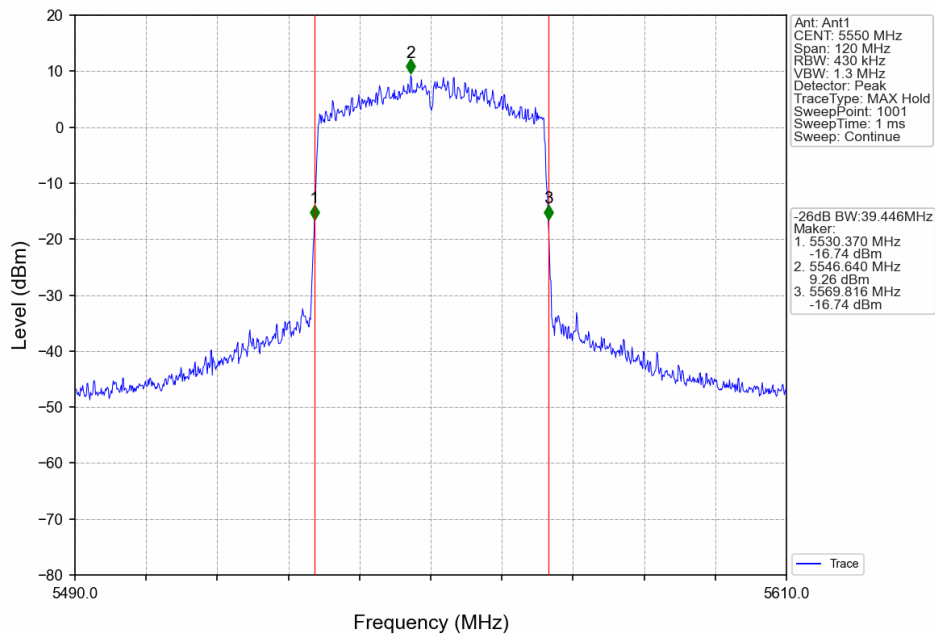
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802.11ax(HEW40)_LCH_5510MHz_RU484_Left_Ant1_NTNV



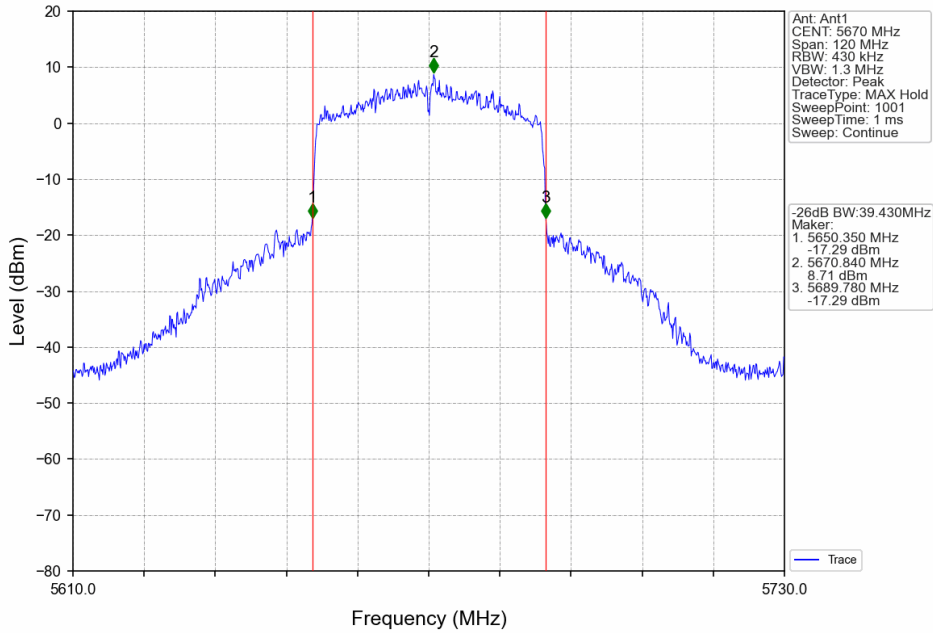
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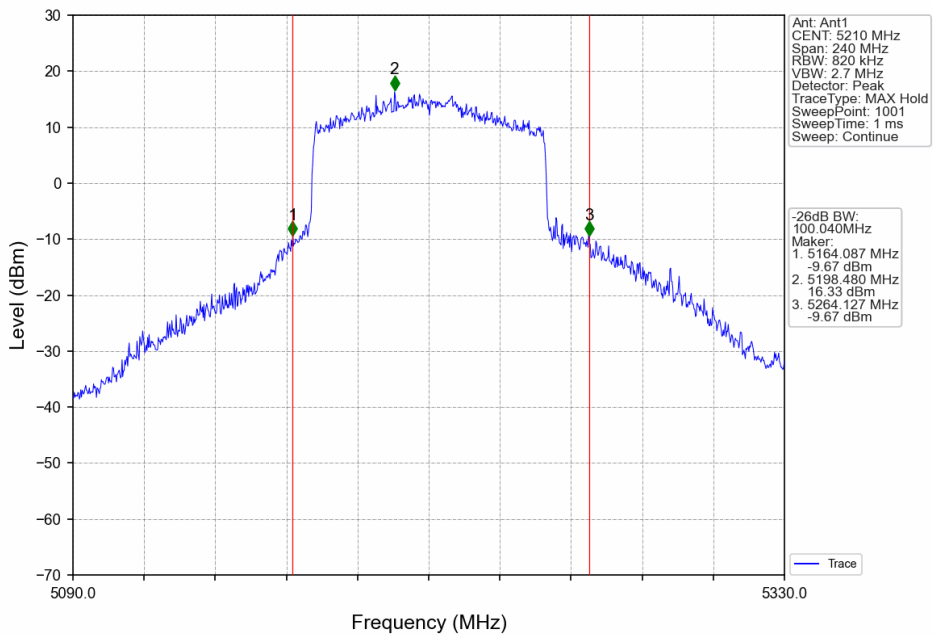
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802.11ax(HEW40)_HCH_5670MHz_RU484_Left_Ant1_NTNV



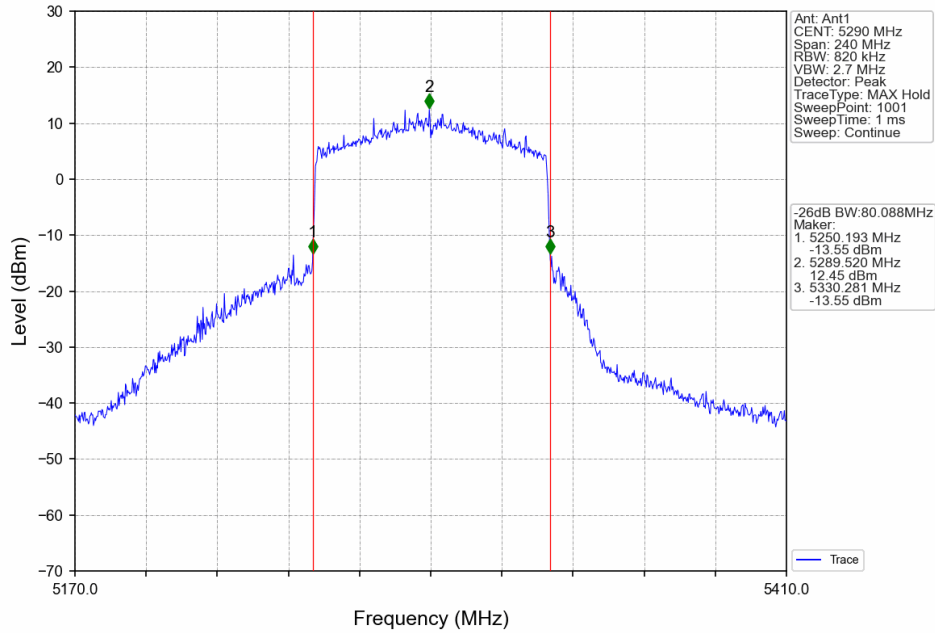
802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



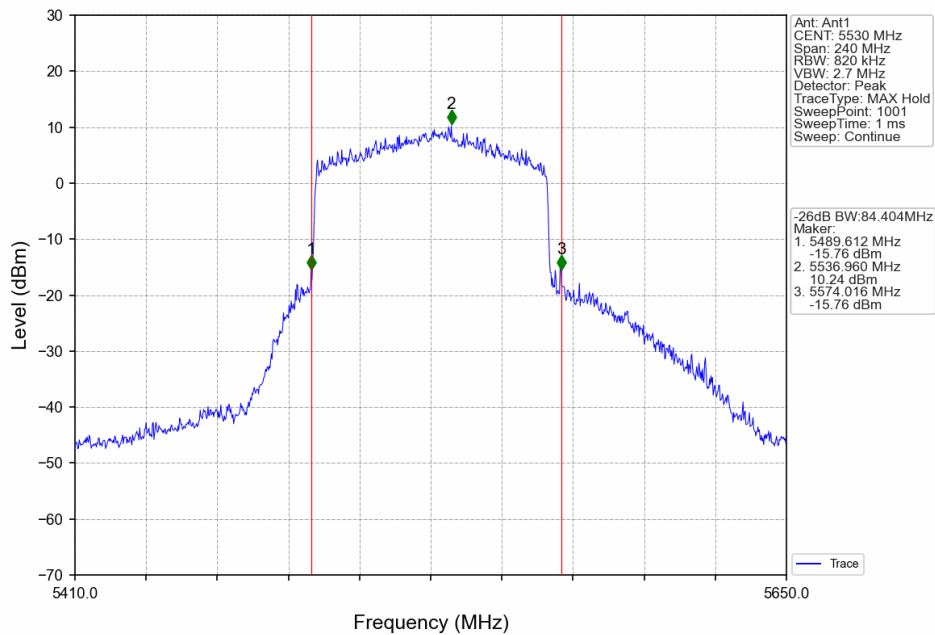
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802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



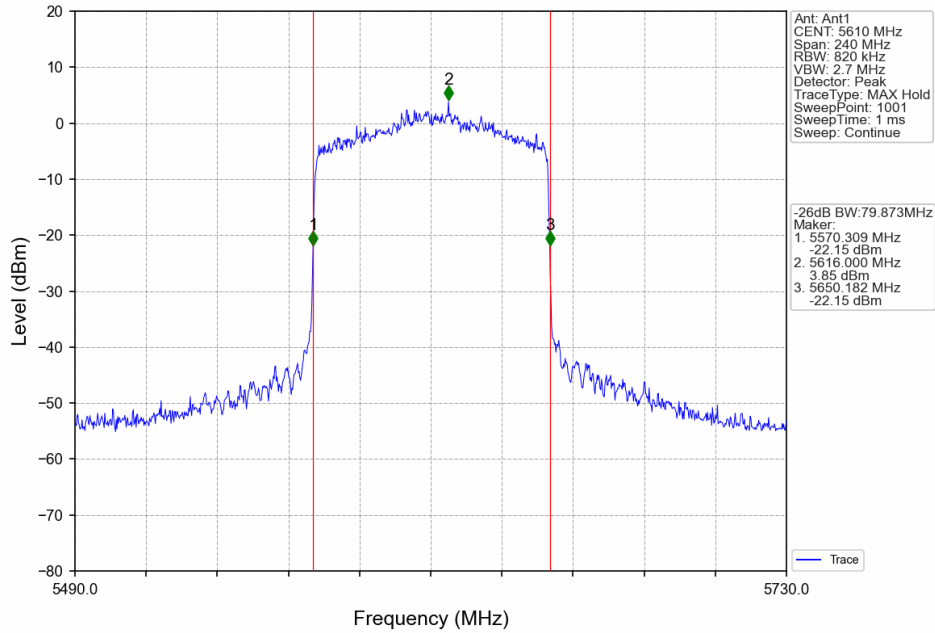
802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant1_NTNV



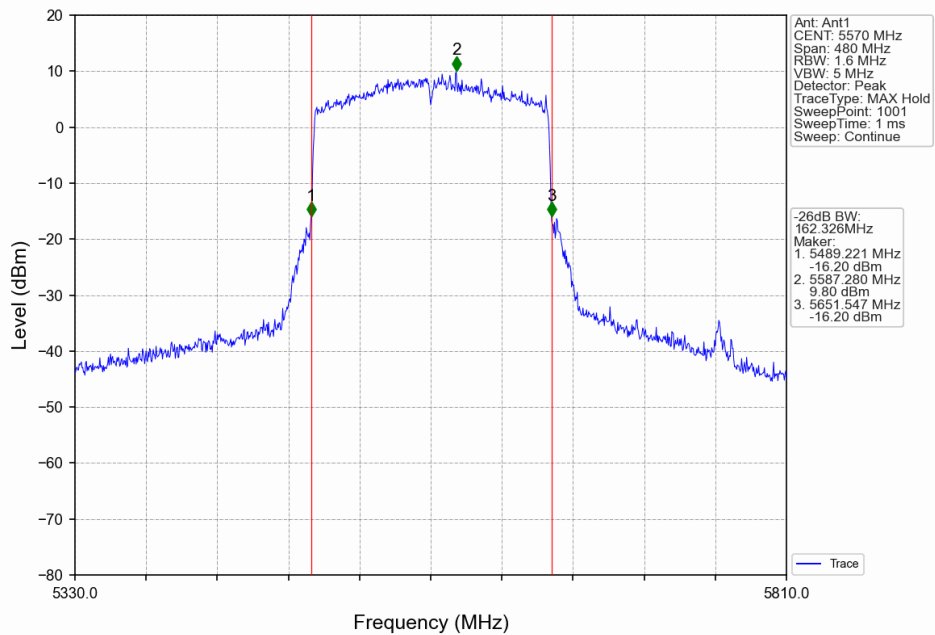
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802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant1_NTNV

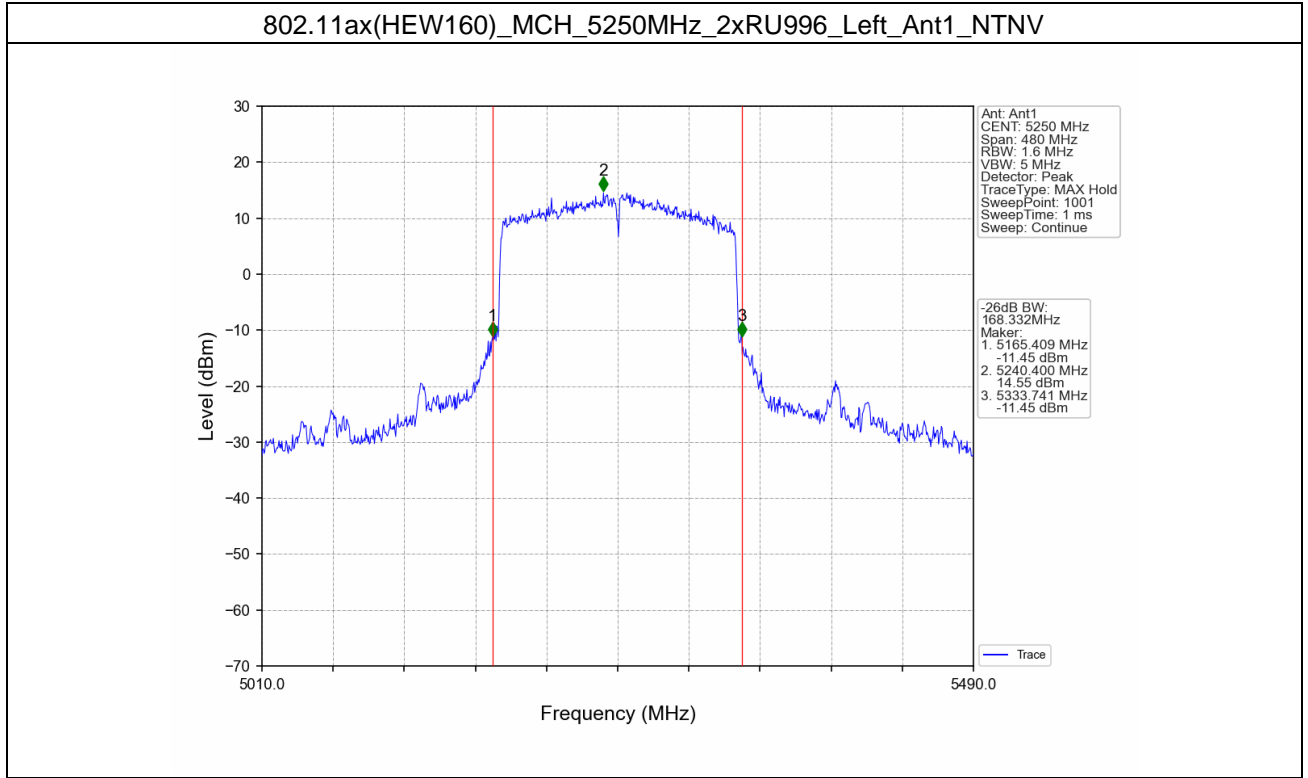


802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	MIMO	5180	/	/	18.77	18.47	17.39	23.02	<=30	Pass
		5200	/	/	18.54	18.39	17.18	22.85	<=30	Pass
		5240	/	/	18.25	18.07	16.76	22.51	<=30	Pass
		5260	/	/	13.46	12.16	10.05	16.88	<=23.92	Pass
		5300	/	/	13.15	11.79	9.66	16.53	<=23.98	Pass
		5320	/	/	13.01	11.79	9.53	16.44	<=23.98	Pass
		5500	/	/	12.92	12.49	11.22	17.04	<=23.98	Pass
		5580	/	/	11.49	10.74	10.79	15.79	<=23.98	Pass
		5700	/	/	12.49	13.16	11.31	17.16	<=23.98	Pass
		5745	/	/	22.85	22.50	22.35	27.34	<=30	Pass
		5785	/	/	22.10	22.38	21.82	26.88	<=30	Pass
5825	/	/	21.15	22.85	21.03	26.53	<=30	Pass		
802.11n (HT20)	MIMO	5180	/	/	18.77	18.59	17.40	23.07	<=30	Pass
		5200	/	/	18.48	18.43	17.15	22.83	<=30	Pass
		5240	/	/	18.31	18.17	16.95	22.62	<=30	Pass
		5260	/	/	13.35	12.13	9.96	16.80	<=23.98	Pass
		5300	/	/	13.00	11.89	9.67	16.50	<=23.98	Pass
		5320	/	/	12.92	11.81	9.56	16.41	<=23.98	Pass
		5500	/	/	13.05	12.58	11.32	17.15	<=23.98	Pass
		5580	/	/	11.62	10.78	10.99	15.92	<=23.98	Pass
		5700	/	/	12.55	13.11	11.37	17.17	<=23.98	Pass
		5745	/	/	22.89	22.56	22.44	27.41	<=30	Pass
		5785	/	/	22.08	22.31	21.91	26.87	<=30	Pass
5825	/	/	21.23	22.87	21.20	26.61	<=30	Pass		
802.11n (HT40)	MIMO	5190	/	/	21.30	21.15	19.90	25.60	<=30	Pass
		5230	/	/	20.95	20.93	19.51	25.28	<=30	Pass
		5270	/	/	15.58	14.44	12.27	19.07	<=23.98	Pass
		5310	/	/	15.38	14.28	12.16	18.91	<=23.98	Pass
		5510	/	/	15.51	15.01	13.98	19.65	<=23.98	Pass
		5550	/	/	15.71	15.43	14.27	19.95	<=23.98	Pass



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		5670	/	/	15.22	15.17	14.03	19.61	<=23.98	Pass
		5755	/	/	23.54	23.29	23.00	28.05	<=30	Pass
		5795	/	/	22.98	23.22	22.65	27.73	<=30	Pass
802.11ac (VHT20)	MIMO	5180	/	/	18.92	18.72	17.49	23.19	<=30	Pass
		5200	/	/	18.60	18.45	17.24	22.91	<=30	Pass
		5240	/	/	18.36	18.20	17.00	22.67	<=30	Pass
		5260	/	/	13.37	12.11	10.04	16.82	<=23.98	Pass
		5300	/	/	13.06	11.92	9.71	16.55	<=23.98	Pass
		5320	/	/	13.12	11.80	9.62	16.51	<=23.98	Pass
		5500	/	/	13.01	12.49	11.23	17.08	<=23.98	Pass
		5580	/	/	11.62	10.78	10.94	15.90	<=23.98	Pass
		5700	/	/	12.58	13.26	11.41	17.25	<=23.98	Pass
		5745	/	/	23.10	22.74	22.51	27.56	<=30	Pass
		5785	/	/	22.30	22.50	21.99	27.04	<=30	Pass
		5825	/	/	21.39	23.04	21.18	26.72	<=30	Pass
		802.11ac (VHT40)	MIMO	5190	/	/	21.47	21.32	19.96	25.74
5230	/			/	21.09	21.04	19.62	25.41	<=30	Pass
5270	/			/	15.68	14.50	12.33	19.15	<=23.98	Pass
5310	/			/	15.42	14.39	12.07	18.94	<=23.98	Pass
5510	/			/	15.41	14.98	13.78	19.55	<=23.98	Pass
5550	/			/	15.75	15.41	14.25	19.95	<=23.98	Pass
5670	/			/	15.35	15.25	14.05	19.69	<=23.98	Pass
5755	/			/	22.82	22.40	22.08	27.22	<=30	Pass
5795	/	/	23.27	23.47	22.79	27.96	<=30	Pass		
802.11ac (VHT80)	MIMO	5210	/	/	23.14	23.07	21.86	27.50	<=30	Pass
		5290	/	/	18.15	17.39	15.60	21.94	<=23.98	Pass
		5530	/	/	17.03	16.81	15.95	21.39	<=23.98	Pass
		5610	/	/	16.63	16.14	16.73	21.28	<=23.98	Pass
		5775	/	/	23.30	23.26	22.81	27.90	<=30	Pass
802.11ac (VHT160)	MIMO	5570	/	/	16.94	16.99	15.98	21.43	<=23.98	Pass
		5250	/	/	21.81	21.82	20.41	26.17	<=30	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	19.22	18.84	17.69	23.40	<=30	Pass
		5200	RU242	Left	18.89	18.58	17.42	23.11	<=30	Pass
		5240	RU242	Left	18.63	18.40	17.02	22.84	<=30	Pass
		5260	RU242	Left	13.53	12.38	10.13	17.00	<=23.98	Pass
		5300	RU242	Left	13.36	12.13	9.95	16.80	<=23.98	Pass
		5320	RU242	Left	13.21	12.05	9.85	16.69	<=23.98	Pass
		5500	RU242	Left	13.14	12.63	11.39	17.22	<=23.98	Pass
		5580	RU242	Left	11.82	10.97	11.18	16.11	<=23.98	Pass
		5700	RU242	Left	12.99	13.41	11.63	17.51	<=23.98	Pass



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		5745	RU242	Left	23.26	22.75	22.61	27.65	<=30	Pass
		5785	RU242	Left	23.01	22.85	22.26	27.49	<=30	Pass
		5825	RU242	Left	21.65	23.26	21.49	26.98	<=30	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	21.60	21.53	20.23	25.94	<=30	Pass
		5230	RU484	Left	21.31	21.22	19.86	25.62	<=30	Pass
		5270	RU484	Left	15.93	14.67	12.61	19.38	<=23.98	Pass
		5310	RU484	Left	15.70	14.53	12.36	19.18	<=23.98	Pass
		5510	RU484	Left	15.60	15.14	13.85	19.70	<=23.98	Pass
		5550	RU484	Left	16.04	15.68	14.33	20.18	<=23.98	Pass
		5670	RU484	Left	15.53	15.62	14.38	19.98	<=23.98	Pass
		5755	RU484	Left	23.14	22.76	22.45	27.56	<=30	Pass
		5795	RU484	Left	22.32	22.47	21.99	27.04	<=30	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	22.80	22.93	21.62	27.26	<=30	Pass
		5290	RU996	Left	18.45	17.52	15.75	22.15	<=23.98	Pass
		5530	RU996	Left	16.99	17.02	16.10	21.50	<=23.98	Pass
		5610	RU996	Left	17.12	16.66	17.14	21.75	<=23.98	Pass
		5775	RU996	Left	22.52	22.55	22.18	27.19	<=30	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	17.23	17.22	16.16	21.67	<=23.98	Pass
		5250	2xRU996	Left	21.84	21.78	20.43	26.17	<=30	Pass

5G WIFI Antenna Gain:

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Directional gain for power (dBi)	Directional gain for PSD (dBi)
U-NII Band 1	3.31	3.71	2.14	3.71	8.48
U-NII Band 2A	3.38	3.83	2.47	3.83	8.60
U-NII Band 2C	3.96	2.29	2.83	3.96	8.73
U-NII Band 3	3.75	2.74	2.21	3.75	8.52



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3.2 TPC EIRP

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	MIMO	5260	/	/	9.73	9.25	9.14	14.15	<=24	Pass
		5300	/	/	9.28	8.88	8.34	13.62	<=24	Pass
		5320	/	/	8.91	8.72	8.31	13.43	<=24	Pass
		5500	/	/	9.11	7.30	8.29	13.07	<=24	Pass
		5580	/	/	9.20	8.12	8.81	13.50	<=24	Pass
		5700	/	/	8.74	8.09	8.17	13.11	<=24	Pass
802.11n (HT20)	MIMO	5260	/	/	9.58	9.03	9.21	14.05	<=24	Pass
		5300	/	/	9.00	8.64	8.14	13.38	<=24	Pass
		5320	/	/	8.87	8.66	8.09	13.32	<=24	Pass
		5500	/	/	9.58	7.77	8.58	13.48	<=24	Pass
		5580	/	/	9.45	8.32	8.94	13.70	<=24	Pass
		5700	/	/	8.96	8.25	8.31	13.29	<=24	Pass
802.11n (HT40)	MIMO	5270	/	/	13.08	12.53	12.75	17.56	<=24	Pass
		5310	/	/	12.53	12.08	12.03	16.99	<=24	Pass
		5510	/	/	12.79	10.99	12.01	16.76	<=24	Pass
		5550	/	/	13.01	11.22	12.39	17.04	<=24	Pass
		5670	/	/	12.87	12.10	12.11	17.15	<=24	Pass
802.11ac (VHT20)	MIMO	5260	/	/	9.86	9.32	9.22	14.25	<=24	Pass
		5300	/	/	9.30	8.91	8.44	13.67	<=24	Pass
		5320	/	/	9.10	8.67	8.45	13.52	<=24	Pass
		5500	/	/	9.62	7.79	8.71	13.54	<=24	Pass
		5580	/	/	9.66	8.53	9.15	13.91	<=24	Pass
		5700	/	/	9.08	8.38	8.47	13.43	<=24	Pass
802.11ac (VHT40)	MIMO	5270	/	/	13.14	12.54	12.38	17.47	<=24	Pass
		5310	/	/	12.51	12.10	11.59	16.85	<=24	Pass
		5510	/	/	12.94	11.11	12.13	16.90	<=24	Pass
		5550	/	/	13.28	11.46	12.66	17.30	<=24	Pass
		5670	/	/	13.06	12.26	12.39	17.36	<=24	Pass
802.11ac (VHT80)	MIMO	5290	/	/	15.57	14.67	10.80	18.89	<=24	Pass
		5530	/	/	16.16	14.06	13.32	19.46	<=24	Pass



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802.11ac (VHT160)	MIMO	5250	/	/	17.29	17.14	14.33	21.22	<=24	Pass
		5570	/	/	15.19	13.67	12.36	18.67	<=24	Pass
802.11ax (HEW20)	MIMO	5260	RU242	Left	10.78	9.63	5.74	13.96	<=24	Pass
		5300	RU242	Left	9.49	8.97	8.88	13.89	<=24	Pass
		5320	RU242	Left	9.28	8.89	8.45	13.66	<=24	Pass
		5500	RU242	Left	7.93	5.85	6.84	11.73	<=24	Pass
		5580	RU242	Left	9.94	8.80	9.25	14.13	<=24	Pass
		5700	RU242	Left	9.46	8.72	8.74	13.76	<=24	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	13.17	12.52	12.38	17.48	<=24	Pass
		5310	RU484	Left	12.80	12.32	11.80	17.10	<=24	Pass
		5510	RU484	Left	12.78	10.81	11.81	16.65	<=24	Pass
		5550	RU484	Left	13.13	11.18	12.37	17.07	<=24	Pass
		5670	RU484	Left	12.89	12.09	12.18	17.17	<=24	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	15.86	14.96	11.13	19.18	<=24	Pass
		5530	RU996	Left	16.25	14.15	13.38	19.54	<=24	Pass
802.11ax (HEW160)	MIMO	5250	2xRU996	Left	17.54	17.51	14.63	21.53	<=24	Pass
		5570	2xRU996	Left	15.24	13.76	12.47	18.74	<=24	Pass



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	MIMO	5180	/	/	8.57	8.14	7.39	12.72	<=14.52	Pass
		5200	/	/	8.27	7.94	7.00	12.40	<=14.52	Pass
		5240	/	/	7.81	7.46	6.30	11.86	<=14.52	Pass
		5260	/	/	3.12	1.90	-0.06	6.48	<=8.4	Pass
		5300	/	/	2.91	1.47	-0.56	6.11	<=8.4	Pass
		5320	/	/	2.86	1.59	-0.70	6.06	<=8.4	Pass
		5500	/	/	2.64	2.40	1.26	6.75	<=8.27	Pass
		5580	/	/	1.13	0.29	0.33	5.19	<=8.27	Pass
802.11n (HT20)	MIMO	5180	/	/	8.37	8.10	6.83	12.42	<=14.52	Pass
		5200	/	/	8.09	7.95	6.63	12.18	<=14.52	Pass
		5240	/	/	7.92	7.61	6.36	11.85	<=14.52	Pass
		5260	/	/	2.84	1.79	-0.36	6.21	<=8.4	Pass
		5300	/	/	2.65	1.39	-0.80	5.91	<=8.4	Pass
		5320	/	/	2.36	1.48	-0.92	5.83	<=8.4	Pass
		5500	/	/	2.41	2.16	0.89	6.48	<=8.27	Pass
		5580	/	/	1.23	0.29	0.66	5.40	<=8.27	Pass
802.11n (HT40)	MIMO	5190	/	/	8.40	8.66	6.99	12.71	<=14.52	Pass
		5230	/	/	8.02	7.97	6.47	12.20	<=14.52	Pass
		5270	/	/	2.83	1.81	-0.65	6.13	<=8.4	Pass
		5310	/	/	2.47	1.53	-0.75	5.80	<=8.4	Pass
		5510	/	/	2.63	2.49	0.98	6.70	<=8.27	Pass
		5550	/	/	2.92	2.65	1.63	7.01	<=8.27	Pass
802.11ac (VHT20)	MIMO	5180	/	/	8.32	8.27	7.08	12.54	<=14.52	Pass
		5200	/	/	8.25	8.08	6.87	12.31	<=14.52	Pass
		5240	/	/	7.75	7.36	6.36	11.89	<=14.52	Pass
		5260	/	/	3.00	1.88	-0.38	6.32	<=8.4	Pass
		5300	/	/	2.60	1.53	-0.76	5.94	<=8.4	Pass
		5320	/	/	2.55	1.56	-0.90	6.00	<=8.4	Pass



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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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		5500	/	/	2.55	1.96	0.67	6.45	<=8.27	Pass
		5580	/	/	1.25	0.61	0.43	5.35	<=8.27	Pass
		5700	/	/	2.18	2.83	1.08	6.70	<=8.27	Pass
802.11ac (VHT40)	MIMO	5190	/	/	8.89	8.30	7.18	12.80	<=14.52	Pass
		5230	/	/	8.24	8.06	6.78	12.37	<=14.52	Pass
		5270	/	/	2.83	1.56	-0.70	6.14	<=8.4	Pass
		5310	/	/	2.84	1.43	-0.76	6.14	<=8.4	Pass
		5510	/	/	2.66	2.24	0.66	6.50	<=8.27	Pass
		5550	/	/	2.77	2.65	1.38	6.91	<=8.27	Pass
		5670	/	/	2.70	2.55	0.98	6.74	<=8.27	Pass
802.11ac (VHT80)	MIMO	5210	/	/	7.87	7.37	5.86	11.75	<=14.52	Pass
		5290	/	/	2.46	1.88	-0.41	6.18	<=8.4	Pass
		5530	/	/	1.20	0.94	0.35	5.54	<=8.27	Pass
		5610	/	/	1.16	0.62	1.09	5.56	<=8.27	Pass
802.11ac (VHT160)	MIMO	5570	/	/	-1.83	-1.54	-3.12	2.49	<=8.27	Pass
		5250	/	/	3.01	2.86	1.54	7.13	<=14.4	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	8.55	8.06	7.01	12.51	<=14.52	Pass
		5200	RU242	Left	8.29	7.90	6.67	12.27	<=14.52	Pass
		5240	RU242	Left	7.95	7.78	6.37	12.10	<=14.52	Pass
		5260	RU242	Left	2.87	1.69	-0.65	6.12	<=8.4	Pass
		5300	RU242	Left	2.57	1.47	-0.71	5.94	<=8.4	Pass
		5320	RU242	Left	2.40	1.52	-1.06	5.75	<=8.4	Pass
		5500	RU242	Left	2.39	1.99	0.57	6.40	<=8.27	Pass
		5580	RU242	Left	1.16	0.25	0.32	5.17	<=8.27	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	8.67	8.73	7.29	12.74	<=14.52	Pass
		5230	RU484	Left	8.28	8.38	6.82	12.50	<=14.52	Pass
		5270	RU484	Left	3.01	1.95	-0.45	6.38	<=8.4	Pass
		5310	RU484	Left	2.79	1.48	-0.64	6.05	<=8.4	Pass
		5510	RU484	Left	2.56	1.86	0.88	6.46	<=8.27	Pass
		5550	RU484	Left	2.94	2.77	1.29	7.01	<=8.27	Pass
		5670	RU484	Left	2.53	2.48	1.44	6.85	<=8.27	Pass
		802.11ax (HEW80)	MIMO	5210	RU996	Left	6.88	7.00	5.67	11.21
5290	RU996			Left	2.40	1.95	-0.03	6.02	<=8.4	Pass
5530	RU996			Left	0.96	1.01	0.15	5.38	<=8.27	Pass
5610	RU996			Left	1.04	0.69	1.18	5.66	<=8.27	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	-2.11	-2.05	-3.08	2.19	<=8.27	Pass
		5250	2xRU996	Left	2.52	2.41	1.31	6.73	<=14.4	Pass



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5G WIFI Antenna Gain:

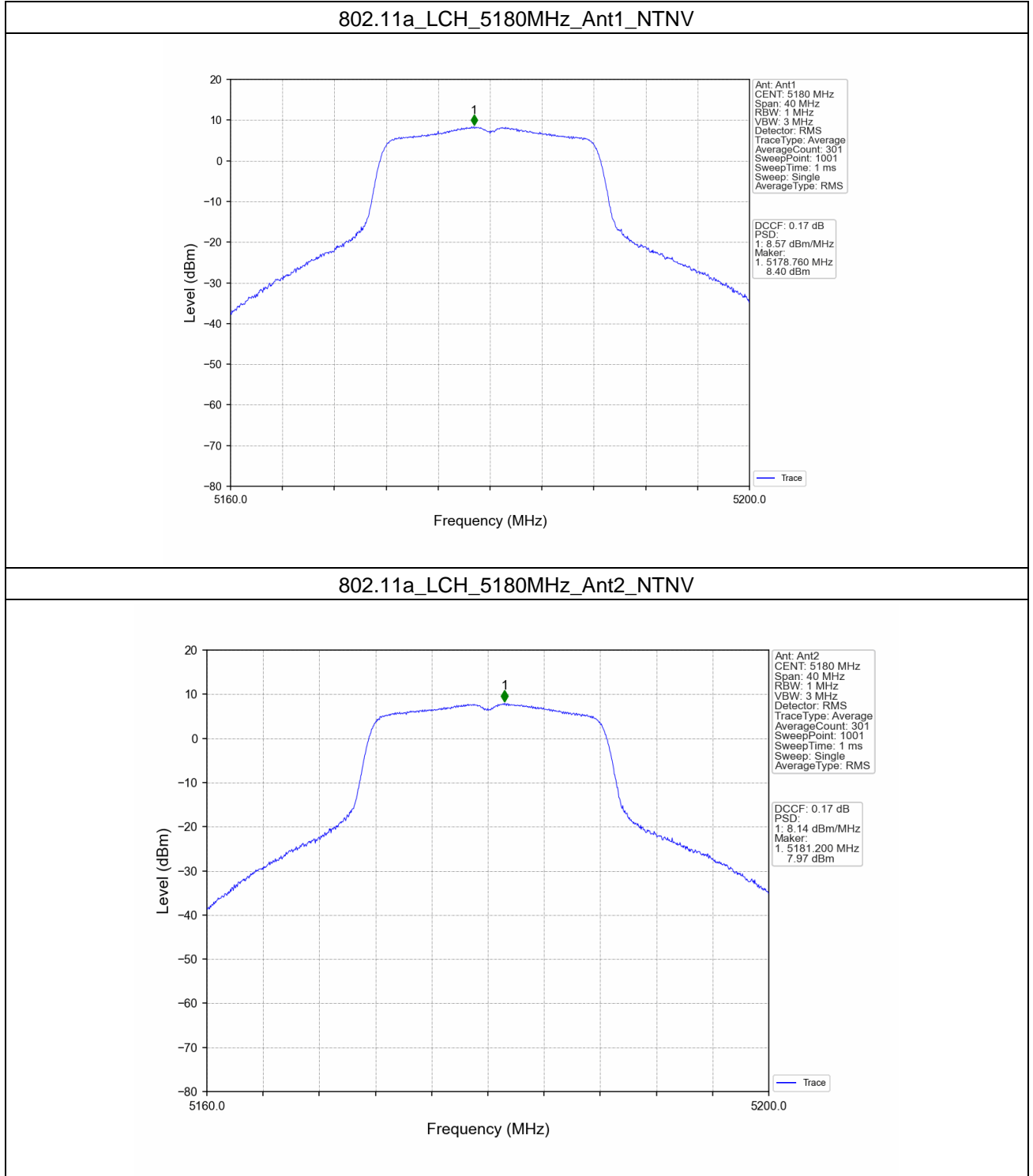
Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Directional gain for power (dBi)	Directional gain for PSD (dBi)
U-NII Band 1	3.31	3.71	2.14	3.71	8.48
U-NII Band 2A	3.38	3.83	2.47	3.83	8.60
U-NII Band 2C	3.96	2.29	2.83	3.96	8.73
U-NII Band 3	3.75	2.74	2.21	3.75	8.52



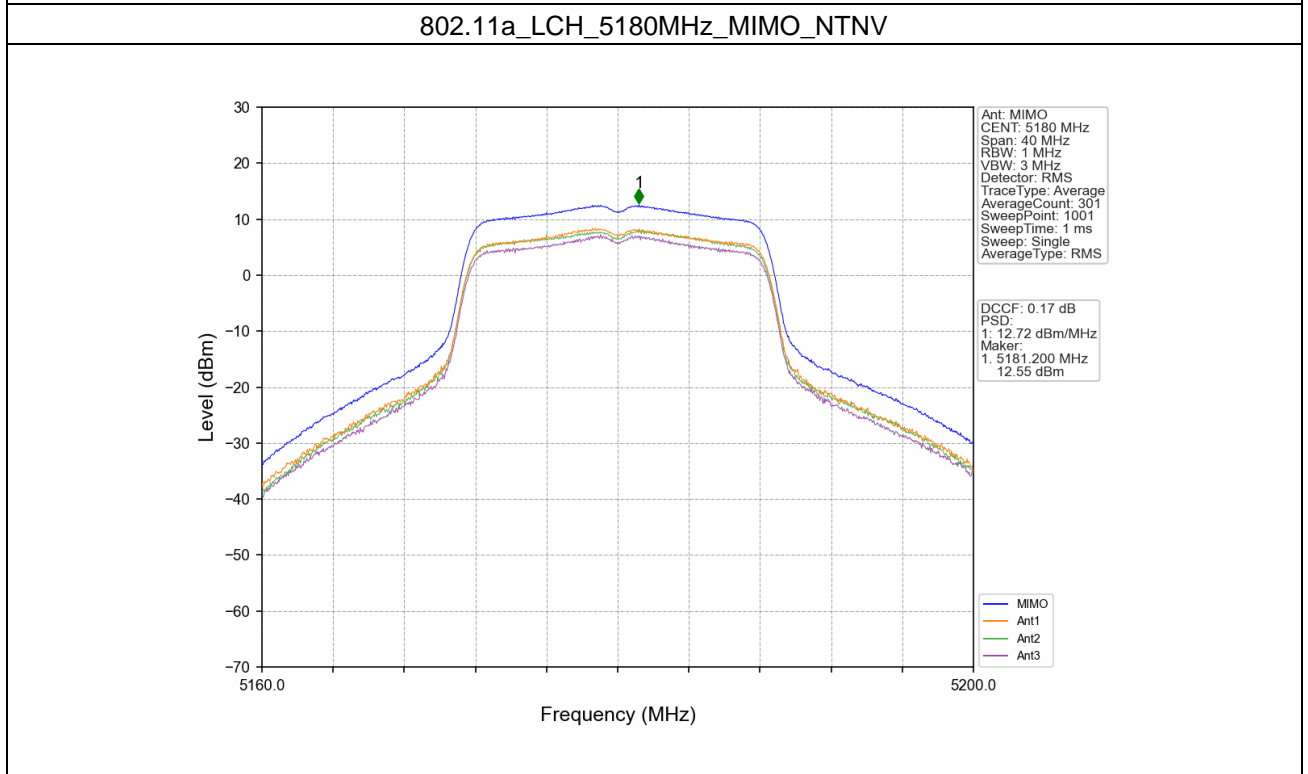
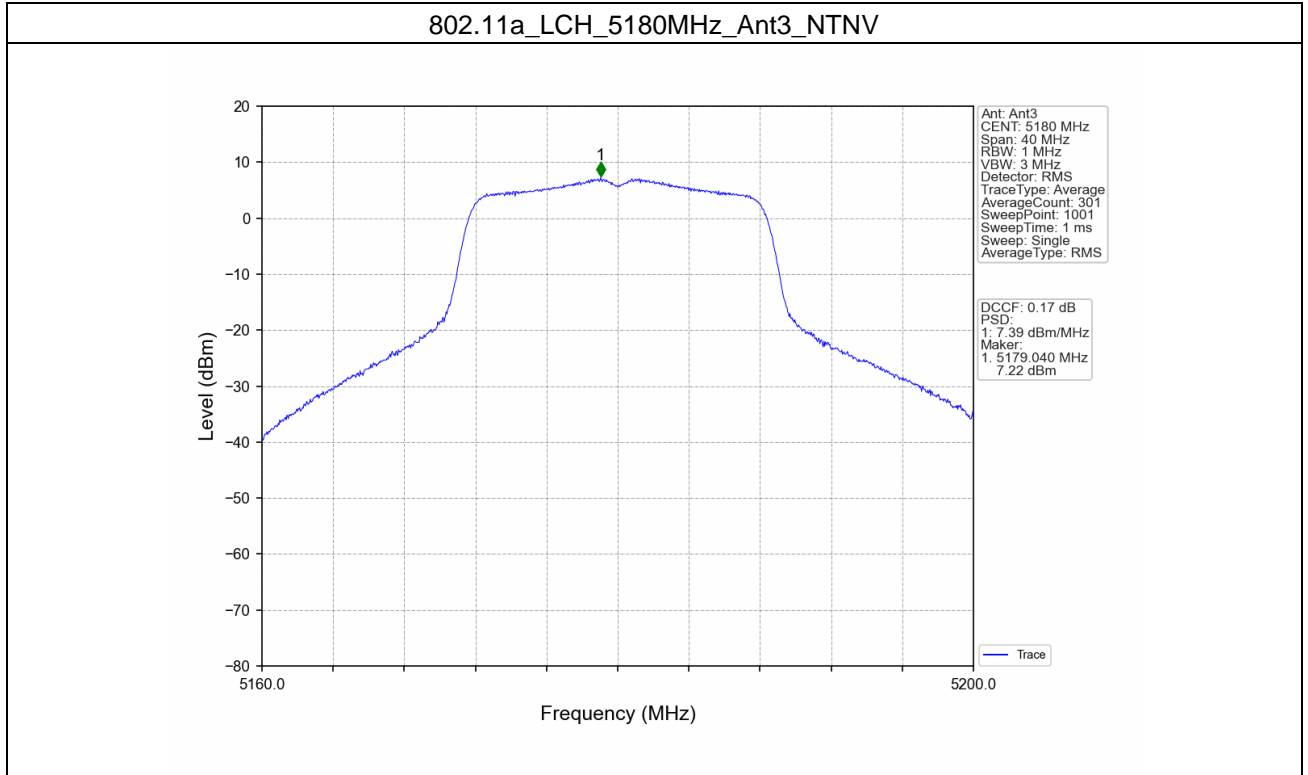
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4.1.2 Test Graph

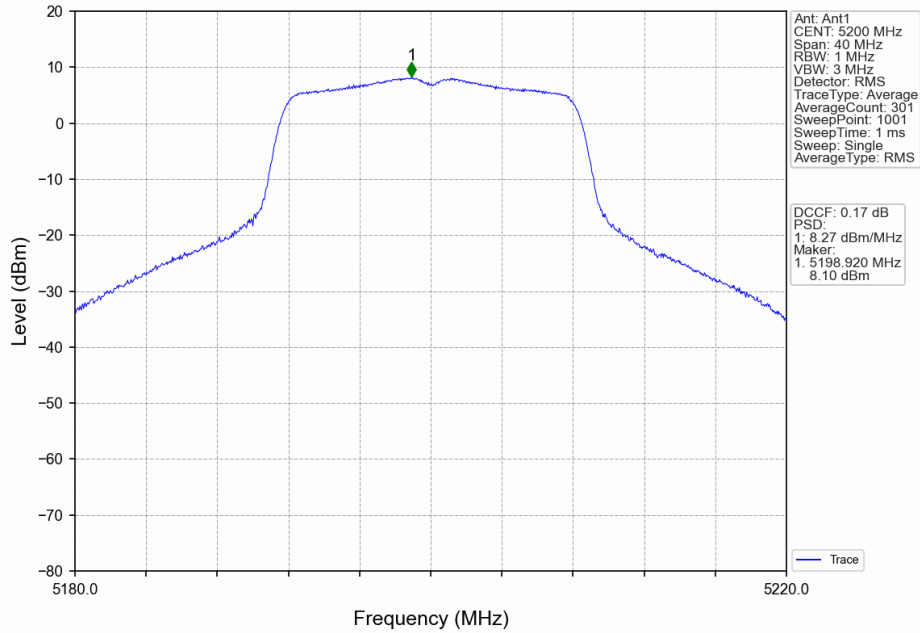


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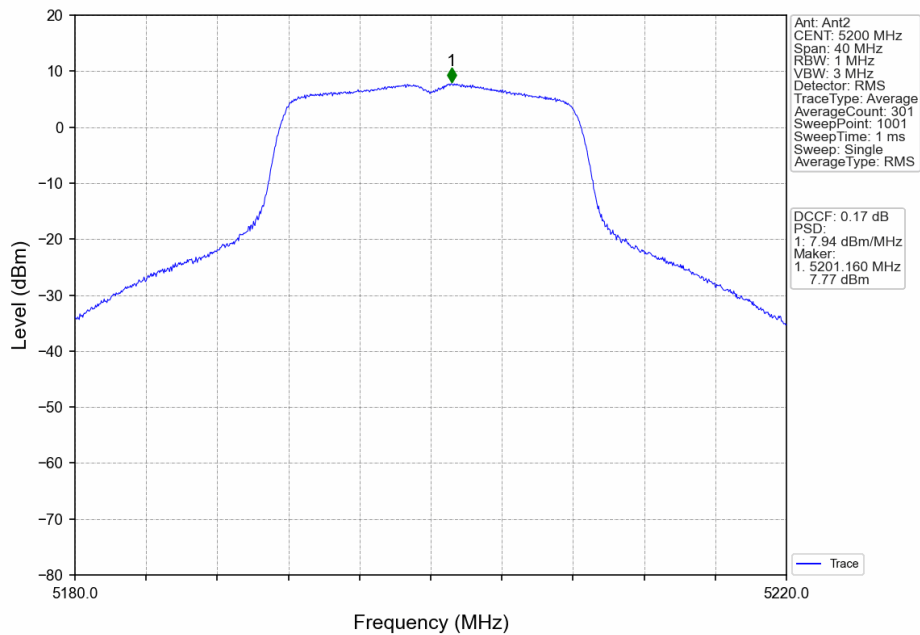


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802.11a_MCH_5200MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant2_NTNV



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