

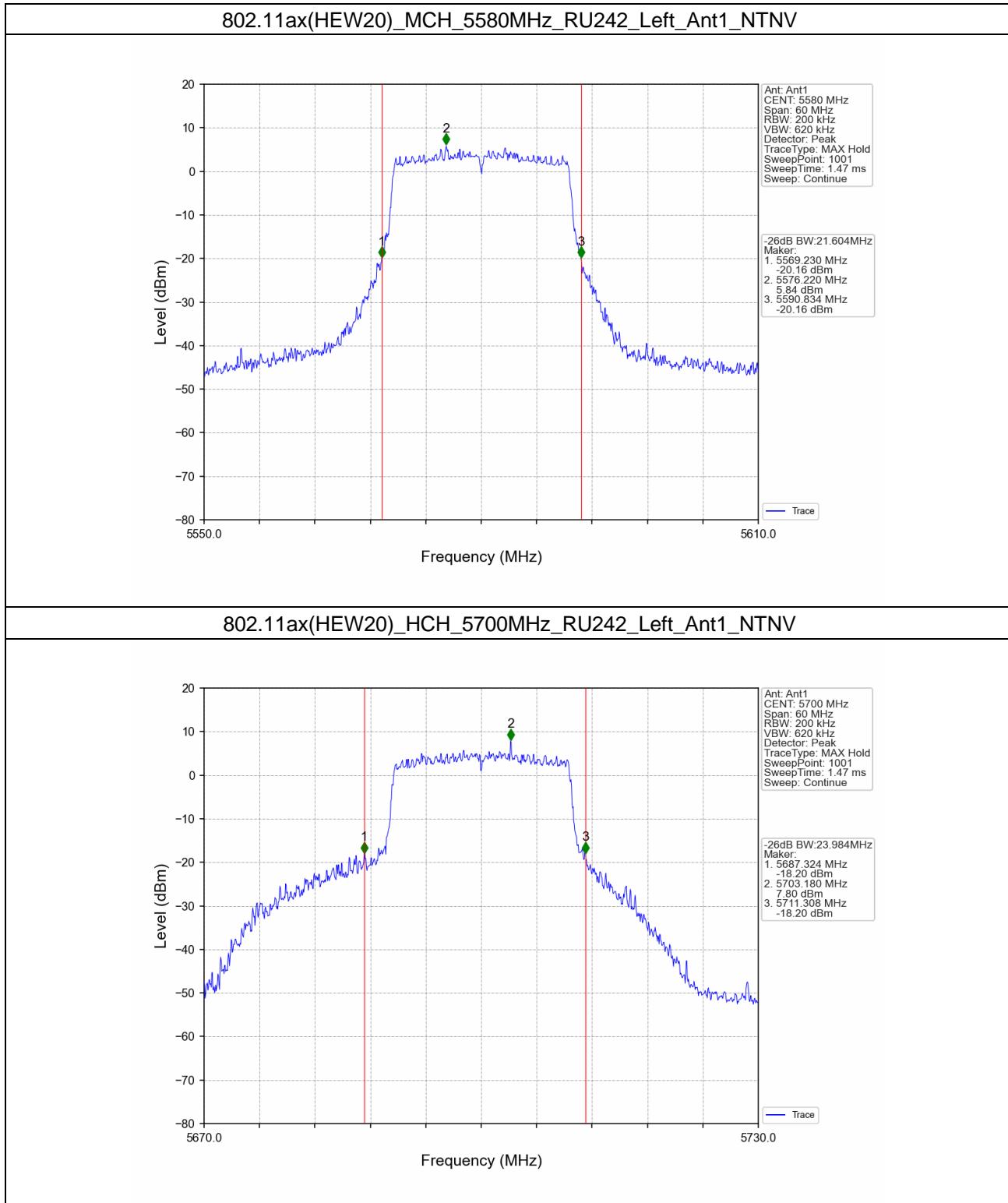
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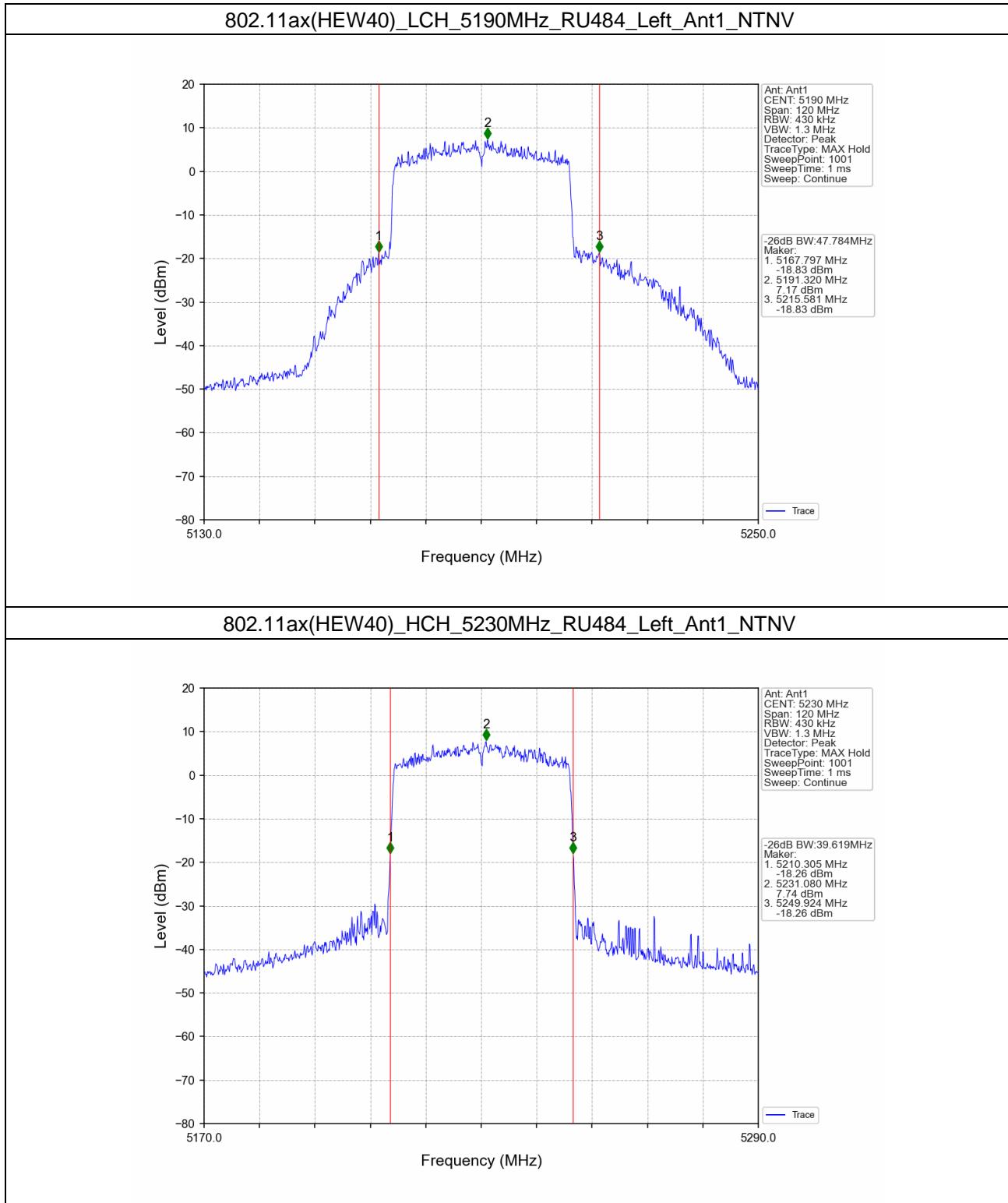
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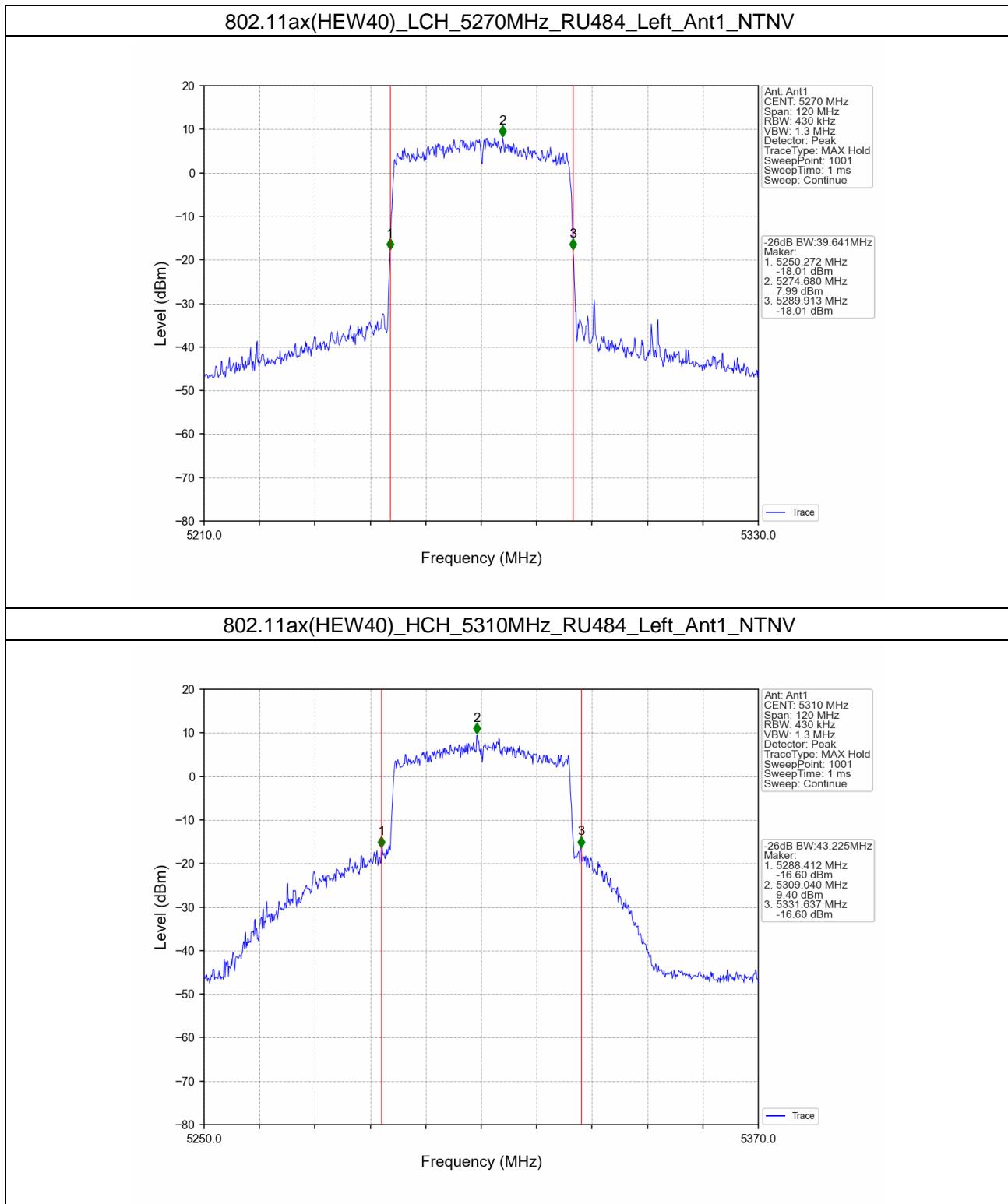
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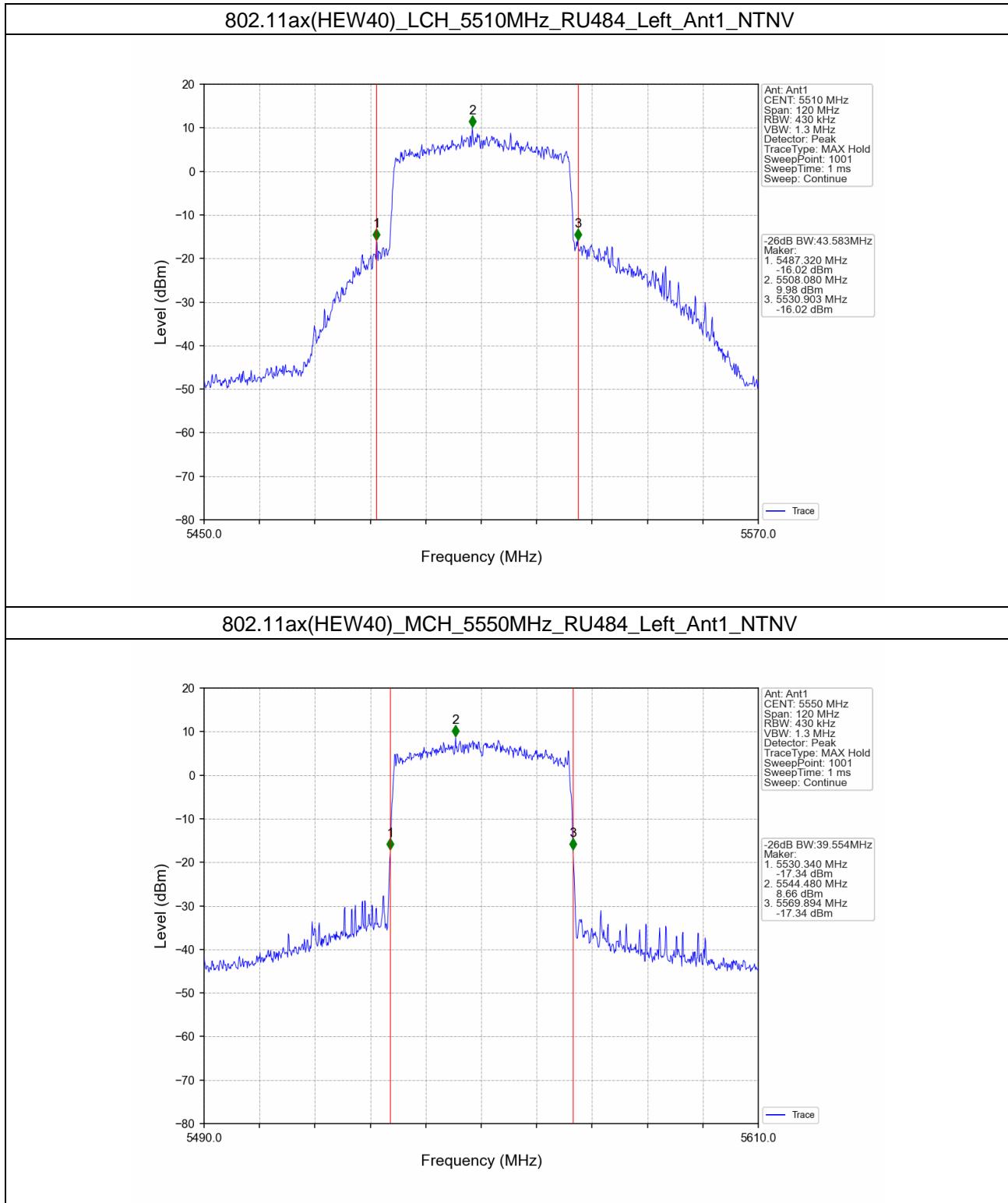


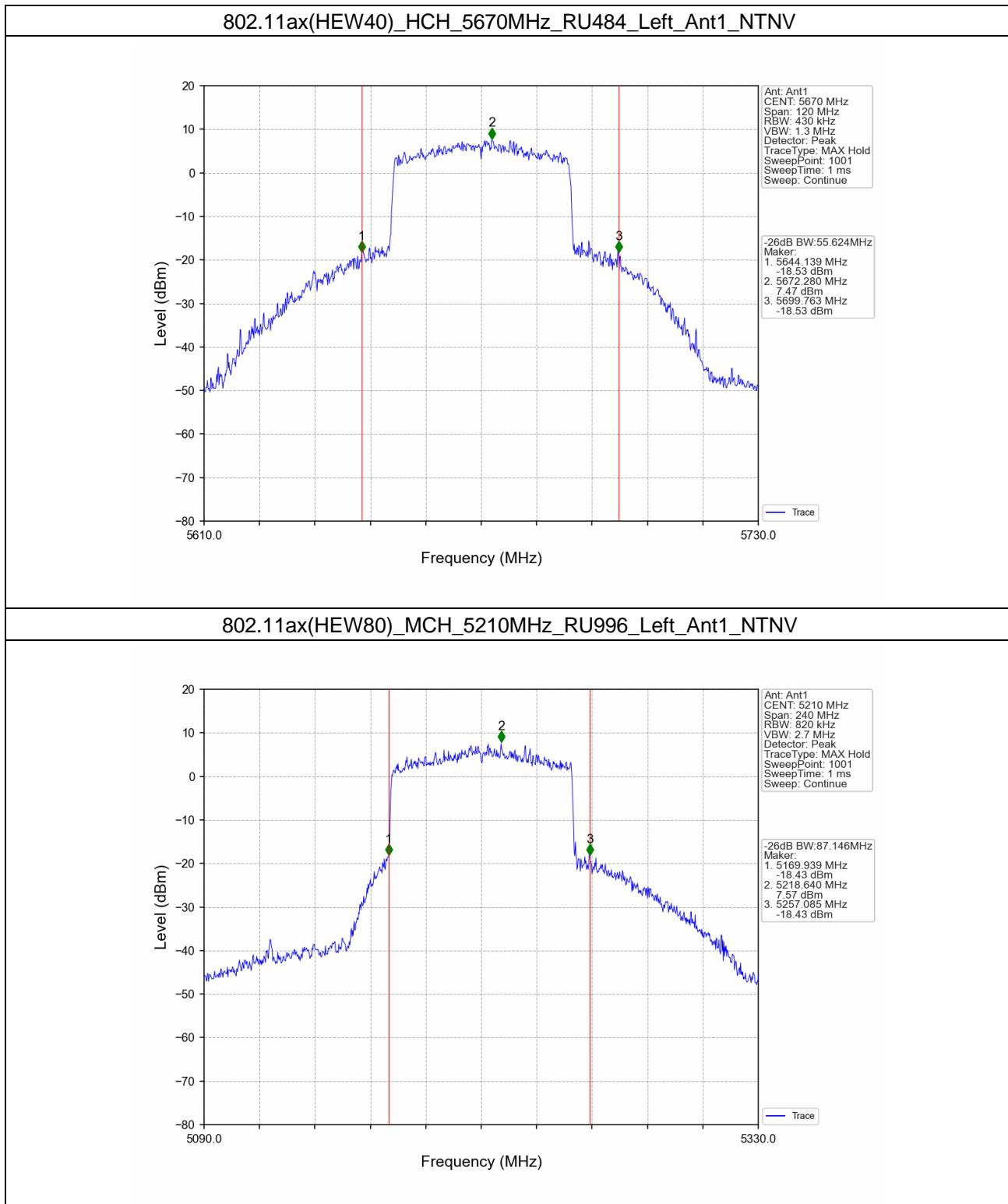


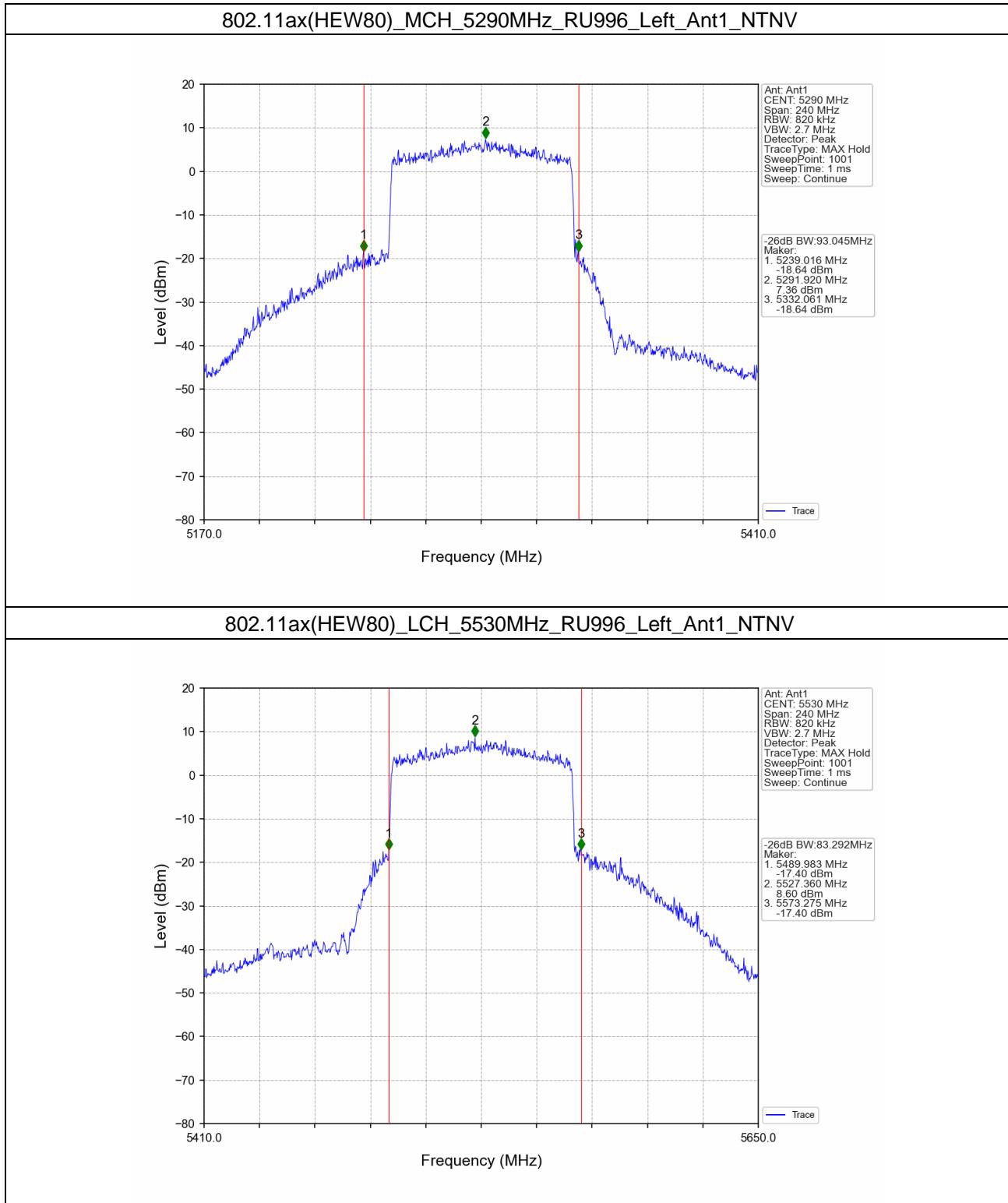
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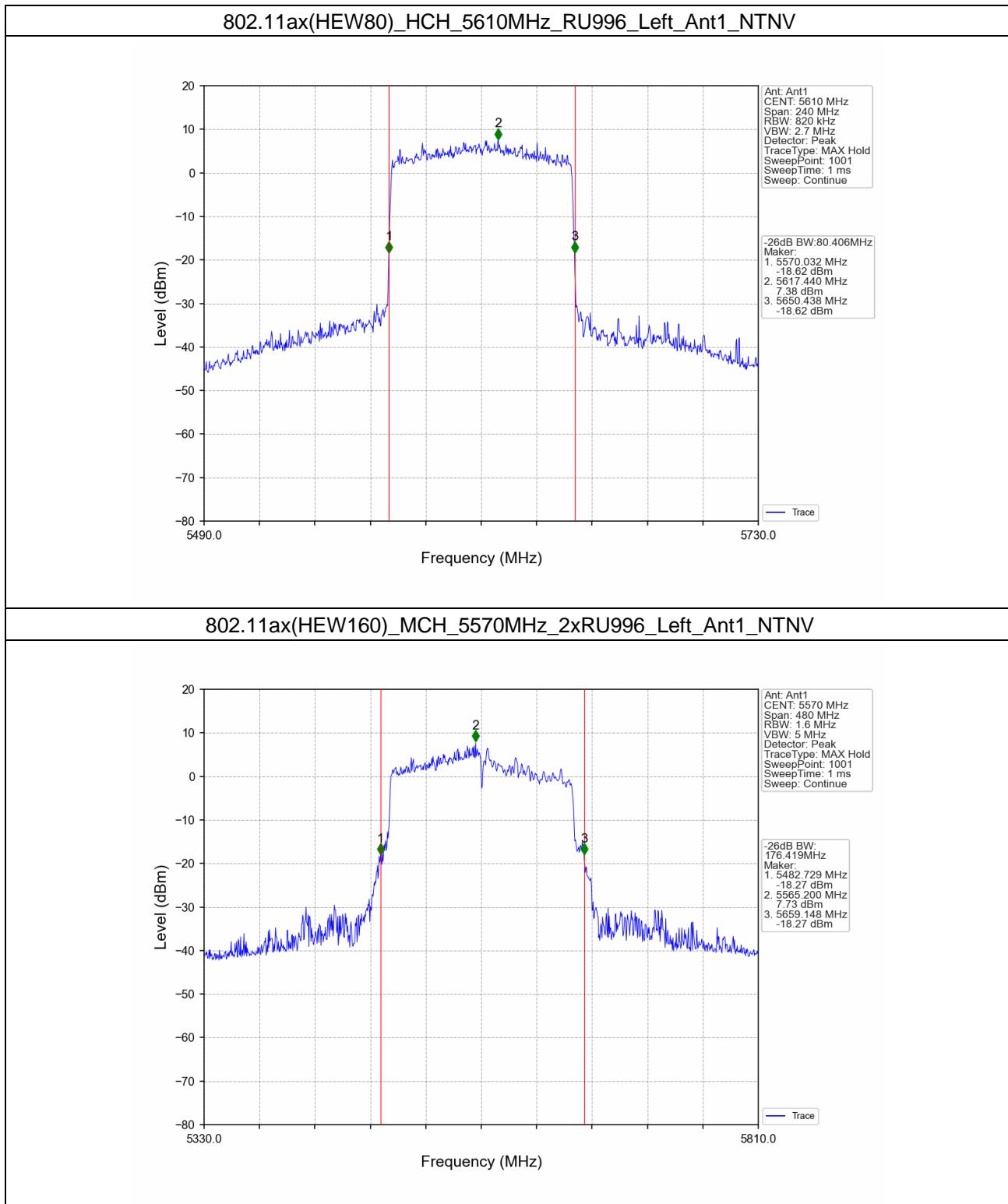






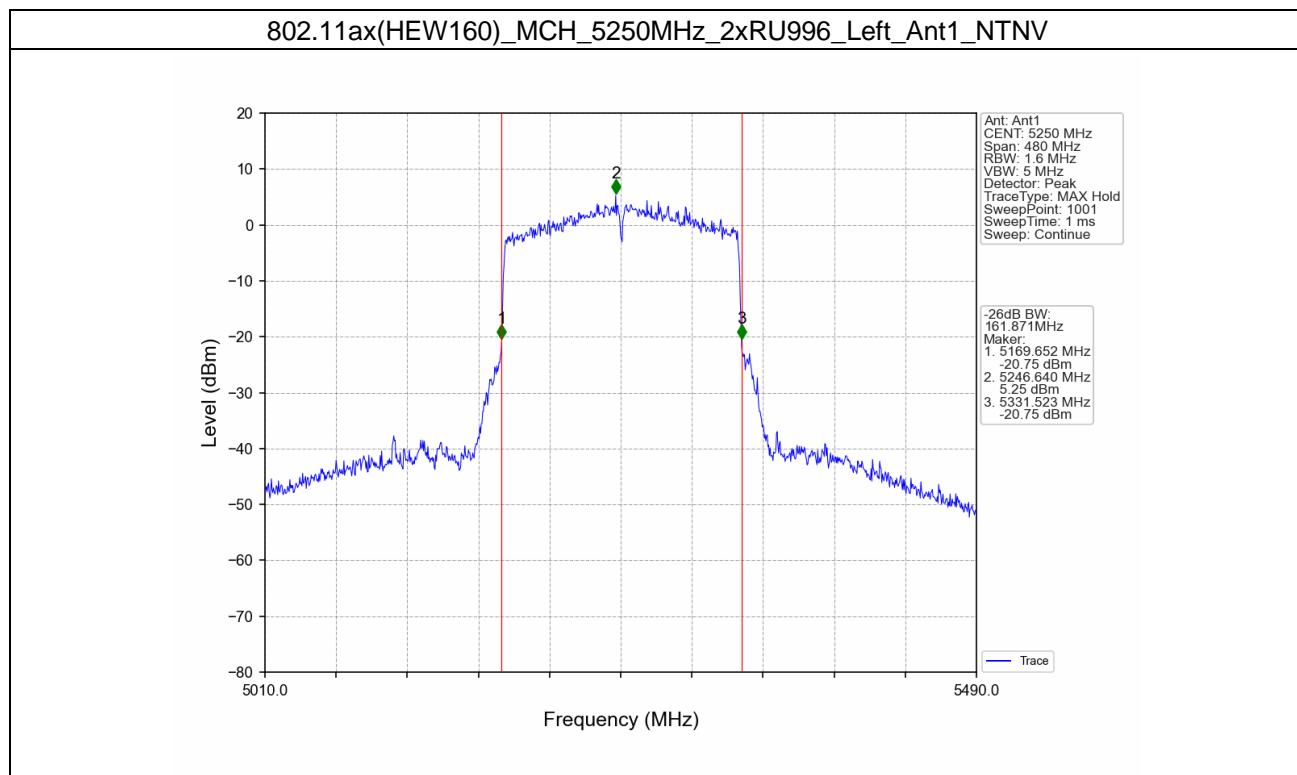
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3. Maximum Conducted Output Power

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	SISO	5180	/	/	17.44	15.95	16.74	/	<=30	Pass
		5200	/	/	17.54	16.35	16.95	/	<=30	Pass
		5240	/	/	18.02	17.10	17.24	/	<=30	Pass
		5260	/	/	21.03	19.76	20.83	/	<=23.98	Pass
		5300	/	/	20.84	19.89	20.78	/	<=23.98	Pass
		5320	/	/	20.80	19.98	20.72	/	<=23.98	Pass
		5500	/	/	20.88	19.14	20.39	/	<=23.98	Pass
		5580	/	/	20.70	19.22	20.12	/	<=23.98	Pass
		5700	/	/	20.85	20.44	20.86	/	<=23.98	Pass
		5745	/	/	21.81	22.03	21.38	/	<=30	Pass
		5785	/	/	22.01	19.95	21.85	/	<=30	Pass
		5825	/	/	22.11	21.05	21.67	/	<=30	Pass
802.11n (HT20)	MIMO	5180	/	/	13.70	12.24	13.03	17.80	<=28.33	Pass
		5200	/	/	13.86	12.66	13.15	18.02	<=28.33	Pass
		5240	/	/	13.67	12.77	13.00	17.93	<=28.33	Pass
		5260	/	/	14.72	13.46	14.51	19.04	<=22.31	Pass
		5300	/	/	14.45	13.60	14.37	18.93	<=22.31	Pass
		5320	/	/	14.48	13.66	14.35	18.95	<=22.31	Pass
		5500	/	/	14.62	12.93	14.12	18.72	<=22.31	Pass
		5580	/	/	14.41	13.24	14.01	18.68	<=22.31	Pass
		5700	/	/	14.73	14.34	14.74	19.38	<=22.31	Pass
		5745	/	/	15.60	15.94	15.35	20.41	<=28.33	Pass
		5785	/	/	15.97	16.03	15.81	20.71	<=28.33	Pass
		5825	/	/	15.93	15.00	15.56	20.28	<=28.33	Pass
802.11n (HT40)	MIMO	5190	/	/	15.94	14.45	15.12	19.98	<=28.33	Pass
		5230	/	/	14.97	14.67	14.85	19.60	<=28.33	Pass
		5270	/	/	15.11	14.59	15.56	19.88	<=22.31	Pass
		5310	/	/	15.05	14.74	15.43	19.85	<=22.31	Pass
		5510	/	/	15.45	14.11	15.19	19.73	<=22.31	Pass
		5550	/	/	15.50	14.21	15.12	19.75	<=22.31	Pass
		5670	/	/	14.79	15.14	15.61	19.96	<=22.31	Pass

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Report No.: SZCR230300078603

Page: 606 of 800

		5755	/	/	15.82	16.25	15.66	20.69	<=28.33	Pass
		5795	/	/	16.11	16.15	15.90	20.83	<=28.33	Pass
802.11ac (VHT20)	MIMO	5180	/	/	13.03	12.20	12.99	17.53	<=28.33	Pass
		5200	/	/	13.17	12.57	13.14	17.74	<=28.33	Pass
		5240	/	/	13.22	12.88	13.10	17.84	<=28.33	Pass
		5260	/	/	14.10	12.49	14.12	18.41	<=22.31	Pass
		5300	/	/	14.01	13.67	14.39	18.80	<=22.31	Pass
		5320	/	/	14.09	13.80	14.43	18.89	<=22.31	Pass
		5500	/	/	14.35	13.04	14.10	18.64	<=22.31	Pass
		5580	/	/	14.08	13.30	13.99	18.57	<=22.31	Pass
		5700	/	/	14.49	14.35	14.62	19.26	<=22.31	Pass
		5745	/	/	15.75	16.08	15.30	20.49	<=28.33	Pass
		5785	/	/	15.94	16.10	15.76	20.71	<=28.33	Pass
		5825	/	/	15.96	15.01	15.56	20.30	<=28.33	Pass
		5190	/	/	15.19	13.96	14.58	19.38	<=28.33	Pass
802.11ac (VHT40)	MIMO	5230	/	/	15.55	14.56	14.88	19.79	<=28.33	Pass
		5270	/	/	15.69	14.60	15.61	20.10	<=22.31	Pass
		5310	/	/	15.58	14.75	15.50	20.06	<=22.31	Pass
		5510	/	/	15.83	14.15	15.33	19.93	<=22.31	Pass
		5550	/	/	15.96	14.20	15.16	19.94	<=22.31	Pass
		5670	/	/	13.81	14.18	14.76	19.04	<=22.31	Pass
		5755	/	/	15.72	16.22	15.52	20.60	<=28.33	Pass
		5795	/	/	16.08	16.14	15.82	20.79	<=28.33	Pass
		5210	/	/	14.36	13.75	14.29	18.91	<=28.33	Pass
		5290	/	/	14.35	13.95	14.87	19.18	<=22.31	Pass
802.11ac (VHT80)	MIMO	5530	/	/	14.94	13.78	14.75	19.29	<=22.31	Pass
		5610	/	/	14.45	14.33	14.86	19.32	<=22.31	Pass
		5775	/	/	15.12	15.54	15.18	20.06	<=28.33	Pass
		5570	/	/	12.30	11.26	12.34	16.77	<=22.31	Pass
		5250	/	/	11.34	10.28	11.41	15.81	<=22.31	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	13.27	12.33	13.08	17.68	<=28.33	Pass
		5200	RU242	Left	13.36	12.74	13.27	17.90	<=28.33	Pass
		5240	RU242	Left	13.78	13.41	13.60	18.37	<=28.33	Pass
		5260	RU242	Left	14.58	13.88	14.96	19.27	<=22.31	Pass
		5300	RU242	Left	14.26	13.98	14.67	19.08	<=22.31	Pass
		5320	RU242	Left	14.21	13.98	14.61	19.05	<=22.31	Pass
		5500	RU242	Left	14.36	13.13	14.31	18.74	<=22.31	Pass
		5580	RU242	Left	14.39	13.54	14.23	18.84	<=22.31	Pass
		5700	RU242	Left	14.55	14.52	15.01	19.47	<=22.31	Pass
		5745	RU242	Left	14.55	15.36	14.67	19.65	<=28.33	Pass

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

Report No.: SZCR230300078603

Page: 607 of 800

		5785	RU242	Left	15.15	15.40	15.12	20.00	<=28.33	Pass
		5825	RU242	Left	15.12	14.26	14.86	19.53	<=28.33	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	14.97	14.15	14.83	19.44	<=28.33	Pass
		5230	RU484	Left	15.20	14.78	15.04	19.78	<=28.33	Pass
		5270	RU484	Left	15.64	14.94	16.00	20.32	<=22.31	Pass
		5310	RU484	Left	15.48	15.11	15.84	20.26	<=22.31	Pass
		5510	RU484	Left	15.72	14.44	15.56	20.05	<=22.31	Pass
		5550	RU484	Left	15.73	14.38	15.44	19.99	<=22.31	Pass
		5670	RU484	Left	15.03	15.29	15.97	20.22	<=22.31	Pass
		5755	RU484	Left	15.99	16.56	15.93	20.94	<=28.33	Pass
		5795	RU484	Left	16.37	16.37	16.19	21.08	<=28.33	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	14.72	14.15	14.56	19.25	<=28.33	Pass
		5290	RU996	Left	14.84	14.29	15.12	19.53	<=22.31	Pass
		5530	RU996	Left	15.43	14.07	15.07	19.67	<=22.31	Pass
		5610	RU996	Left	15.04	14.89	15.34	19.87	<=22.31	Pass
		5775	RU996	Left	15.69	15.95	15.56	20.51	<=28.33	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	12.60	11.48	12.72	17.07	<=22.31	Pass
		5250	2xRU996	Left	11.76	10.77	11.80	16.24	<=22.31	Pass
Note1: ANT1 & ANT2: 2.5dBi ANT3: 3.65dBi; Directional Gain: 7.67dBi. Note2: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi										

3.2 TPC_L Power

3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	SISO	5260	/	/	14.72	14.94	15.08	/	<=23.98	Pass
		5300	/	/	14.84	15.04	15.11	/	<=23.98	Pass
		5320	/	/	14.67	14.89	15.07	/	<=23.98	Pass
		5500	/	/	14.59	14.76	14.84	/	<=23.98	Pass
		5580	/	/	15.12	15.28	15.47	/	<=23.98	Pass
		5700	/	/	14.90	15.08	15.19	/	<=23.98	Pass
802.11n (HT20)	MIMO	5260	/	/	8.35	8.54	8.72	13.31	<=22.31	Pass
		5300	/	/	8.55	8.77	8.78	13.47	<=22.31	Pass
		5320	/	/	8.25	8.46	8.60	13.21	<=22.31	Pass
		5500	/	/	8.28	8.44	8.54	13.19	<=22.31	Pass
		5580	/	/	8.81	8.97	9.00	13.70	<=22.31	Pass

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

Report No.: SZCR230300078603

Page: 608 of 800

		5700	/	/	8.53	8.73	8.71	13.43	<=22.31	Pass
802.11n (HT40)	MIMO	5270	/	/	9.32	9.49	9.50	14.21	<=22.31	Pass
		5310	/	/	8.91	9.08	9.06	13.79	<=22.31	Pass
		5510	/	/	8.89	9.05	9.12	13.79	<=22.31	Pass
		5550	/	/	9.29	9.45	9.65	14.24	<=22.31	Pass
		5670	/	/	9.19	9.40	9.37	14.09	<=22.31	Pass
		5260	/	/	8.00	8.16	8.12	12.87	<=22.31	Pass
802.11ac (VHT20)	MIMO	5300	/	/	7.90	8.10	8.18	12.83	<=22.31	Pass
		5320	/	/	7.85	8.02	8.13	12.77	<=22.31	Pass
		5500	/	/	7.92	8.12	8.03	12.80	<=22.31	Pass
		5580	/	/	8.19	8.41	8.61	13.18	<=22.31	Pass
		5700	/	/	8.09	8.28	8.22	12.97	<=22.31	Pass
		5270	/	/	9.70	9.87	10.05	14.65	<=22.31	Pass
802.11ac (VHT40)	MIMO	5310	/	/	9.51	9.68	9.72	14.41	<=22.31	Pass
		5510	/	/	9.37	9.56	9.50	14.25	<=22.31	Pass
		5550	/	/	9.67	9.89	9.88	14.59	<=22.31	Pass
		5670	/	/	9.77	9.97	10.09	14.72	<=22.31	Pass
		5290	/	/	9.70	9.86	9.92	14.60	<=22.31	Pass
802.11ac (VHT80)	MIMO	5530	/	/	8.16	8.38	8.56	13.14	<=22.31	Pass
		5610	/	/	8.54	8.73	8.80	13.46	<=22.31	Pass
		5250	/	/	5.18	5.36	5.27	10.04	<=22.31	Pass
802.11ac (VHT160)	MIMO	5570	/	/	6.11	6.32	6.24	11.00	<=22.31	Pass
802.11ax (HEW20)	MIMO	5260	RU242	Left	8.09	8.27	8.43	13.04	<=22.31	Pass
		5300	RU242	Left	8.42	8.59	8.68	13.34	<=22.31	Pass
		5320	RU242	Left	8.10	8.26	8.24	12.97	<=22.31	Pass
		5500	RU242	Left	7.99	8.21	8.30	12.94	<=22.31	Pass
		5580	RU242	Left	8.64	8.82	8.74	13.51	<=22.31	Pass
		5700	RU242	Left	8.33	8.50	8.64	13.26	<=22.31	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	9.59	9.77	9.98	14.55	<=22.31	Pass
		5310	RU484	Left	9.47	9.63	9.73	14.38	<=22.31	Pass
		5510	RU484	Left	9.29	9.49	9.48	14.19	<=22.31	Pass
		5550	RU484	Left	9.54	9.76	9.89	14.50	<=22.31	Pass
		5670	RU484	Left	9.72	9.93	10.12	14.70	<=22.31	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	8.67	8.83	9.03	13.62	<=22.31	Pass
		5530	RU996	Left	9.23	9.44	9.50	14.16	<=22.31	Pass
		5610	RU996	Left	8.82	9.02	8.93	13.70	<=22.31	Pass
802.11ax (HEW160)	MIMO	5250	2xRU996	Left	5.59	5.81	5.71	10.48	<=22.31	Pass
		5570	2xRU996	Left	6.40	6.56	6.47	11.25	<=22.31	Pass

Note1: ANT1 & ANT2: 2.5dBi ANT3:3.65dBi; Directional Gain: 7.67dBi.

 Note2: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{ dBi}$

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4. Maximum Power Spectral Density

4.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	SISO	5180	/	/	6.64	5.17	6.02	/	<=17	Pass
		5200	/	/	6.68	5.52	6.22	/	<=17	Pass
		5240	/	/	7.01	6.06	6.25	/	<=17	Pass
		5260	/	/	10.14	9.18	10.08	/	<=11	Pass
		5300	/	/	10.20	9.16	10.07	/	<=11	Pass
		5320	/	/	10.05	9.04	9.95	/	<=11	Pass
		5500	/	/	10.16	8.34	9.61	/	<=11	Pass
		5580	/	/	10.05	8.38	9.43	/	<=11	Pass
		5700	/	/	10.44	9.60	10.08	/	<=11	Pass
802.11n (HT20)	MIMO	5180	/	/	2.82	1.37	2.05	6.78	<=15.33	Pass
		5200	/	/	2.93	1.72	2.11	6.89	<=15.33	Pass
		5240	/	/	2.50	1.63	1.76	6.69	<=15.33	Pass
		5260	/	/	3.79	2.49	3.55	7.91	<=9.33	Pass
		5300	/	/	3.53	2.49	3.60	7.91	<=9.33	Pass
		5320	/	/	3.56	2.57	3.48	7.85	<=9.33	Pass
		5500	/	/	3.72	1.90	3.33	7.66	<=9.33	Pass
		5580	/	/	3.80	2.31	3.03	7.74	<=9.33	Pass
		5700	/	/	3.86	3.39	3.66	8.27	<=9.33	Pass
802.11n (HT40)	MIMO	5190	/	/	2.52	1.10	1.79	6.45	<=15.33	Pass
		5230	/	/	1.72	1.14	1.59	6.16	<=15.33	Pass
		5270	/	/	1.72	1.30	2.22	6.44	<=9.33	Pass
		5310	/	/	1.86	1.45	2.03	6.44	<=9.33	Pass
		5510	/	/	2.14	0.66	1.91	6.21	<=9.33	Pass
		5550	/	/	2.38	1.00	1.67	6.41	<=9.33	Pass
		5670	/	/	1.68	1.85	2.25	6.51	<=9.33	Pass
802.11ac (VHT20)	MIMO	5180	/	/	2.12	1.17	2.02	6.54	<=15.33	Pass
		5200	/	/	2.17	1.70	2.27	6.72	<=15.33	Pass
		5240	/	/	2.17	1.81	1.89	6.59	<=15.33	Pass
		5260	/	/	4.12	3.27	4.50	8.48	<=9.33	Pass
		5300	/	/	3.13	2.77	3.44	7.78	<=9.33	Pass
		5320	/	/	3.20	2.84	3.53	7.83	<=9.33	Pass
		5500	/	/	3.60	2.06	3.10	7.60	<=9.33	Pass

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

Report No.: SZCR230300078603

Page: 610 of 800

		5580	/	/	3.26	2.43	3.19	7.65	<=9.33	Pass
		5700	/	/	3.53	3.43	3.64	8.16	<=9.33	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1.86	0.68	1.20	5.95	<=15.33	Pass
		5230	/	/	2.26	0.98	1.18	6.17	<=15.33	Pass
		5270	/	/	2.14	1.28	2.13	6.64	<=9.33	Pass
		5310	/	/	2.04	1.28	2.17	6.52	<=9.33	Pass
		5510	/	/	2.61	0.73	1.96	6.47	<=9.33	Pass
		5550	/	/	2.93	0.77	1.90	6.56	<=9.33	Pass
		5670	/	/	0.37	1.03	1.31	5.57	<=9.33	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-1.84	-2.24	-1.81	2.57	<=15.33	Pass
		5290	/	/	-1.97	-2.18	-1.38	2.84	<=9.33	Pass
		5530	/	/	-1.18	-2.61	-1.48	2.94	<=9.33	Pass
		5610	/	/	-1.86	-1.87	-1.36	2.92	<=9.33	Pass
802.11ac (VHT160)	MIMO	5570	/	/	-6.15	-7.55	-6.35	-2.31	<=9.33	Pass
		5250	/	/	-7.33	-7.98	-7.34	-3.00	<=9.33	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1.92	1.22	1.79	6.26	<=15.33	Pass
		5200	RU242	Left	2.16	1.55	2.03	6.53	<=15.33	Pass
		5240	RU242	Left	2.45	2.10	2.36	6.90	<=15.33	Pass
		5260	RU242	Left	3.23	2.56	3.60	7.79	<=9.33	Pass
		5300	RU242	Left	3.00	2.76	3.24	7.57	<=9.33	Pass
		5320	RU242	Left	2.97	2.61	3.21	7.60	<=9.33	Pass
		5500	RU242	Left	3.11	1.74	3.13	7.29	<=9.33	Pass
		5580	RU242	Left	3.09	2.13	3.03	7.42	<=9.33	Pass
		5700	RU242	Left	3.20	3.07	3.66	8.01	<=9.33	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1.49	0.53	1.34	5.79	<=15.33	Pass
		5230	RU484	Left	1.86	1.46	1.48	6.08	<=15.33	Pass
		5270	RU484	Left	2.20	1.55	2.42	6.71	<=9.33	Pass
		5310	RU484	Left	2.02	1.60	2.50	6.60	<=9.33	Pass
		5510	RU484	Left	2.24	0.99	2.13	6.46	<=9.33	Pass
		5550	RU484	Left	2.18	1.00	1.81	6.38	<=9.33	Pass
		5670	RU484	Left	1.47	1.71	2.61	6.58	<=9.33	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	-1.79	-2.29	-2.14	2.63	<=15.33	Pass
		5290	RU996	Left	-1.59	-2.12	-1.30	2.97	<=9.33	Pass
		5530	RU996	Left	-1.21	-2.32	-1.48	2.97	<=9.33	Pass
		5610	RU996	Left	-1.64	-1.60	-1.25	3.19	<=9.33	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	-6.62	-8.21	-6.59	-2.35	<=9.33	Pass
		5250	2xRU996	Left	-7.25	-8.16	-7.29	-3.03	<=9.33	Pass

Note1: ANT1 &ANT2: 2.5dBi ANT3:3.65dBi; Directional Gain: 7.67dBi.

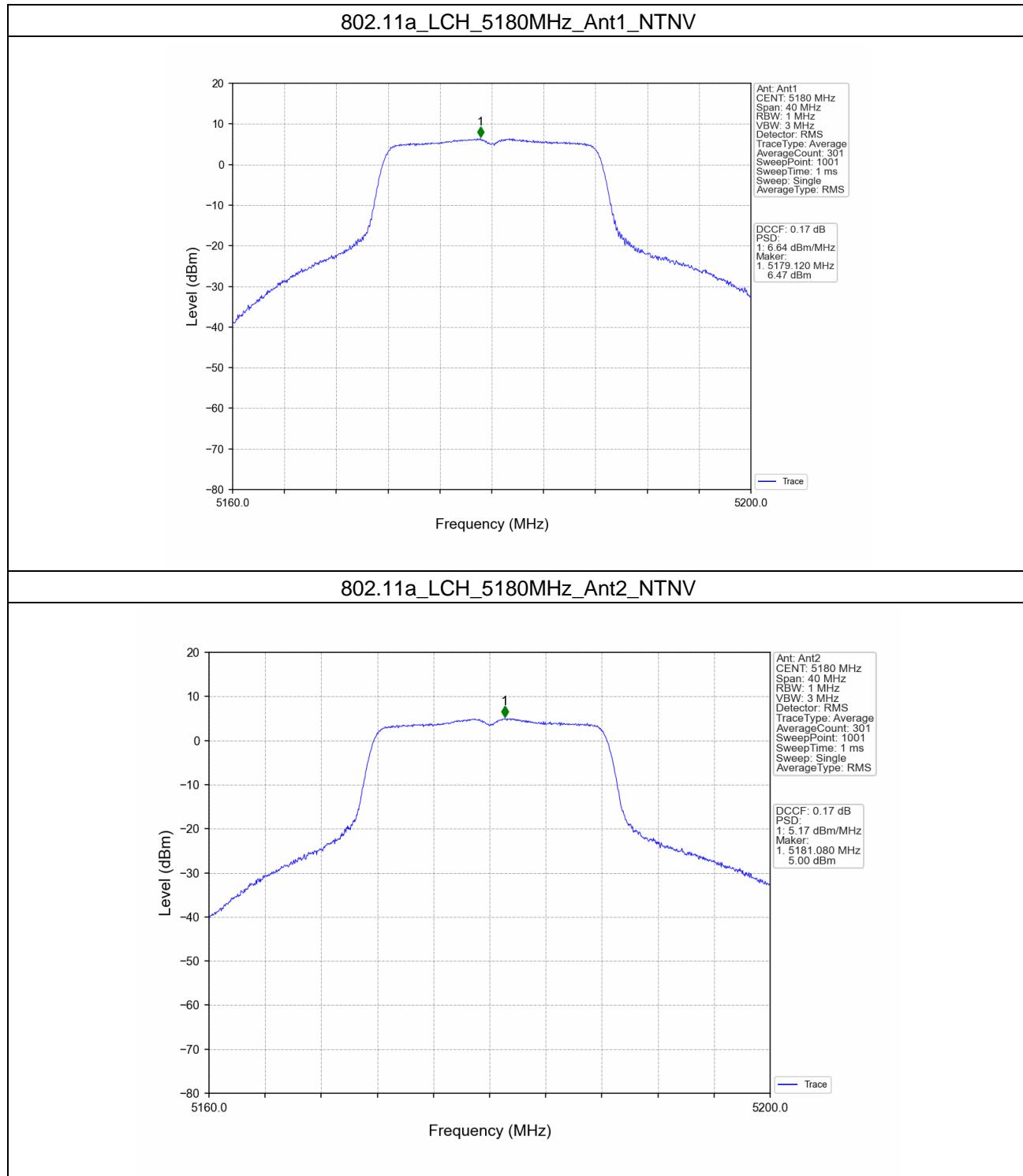
Note2: Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}] \text{ dBi}$

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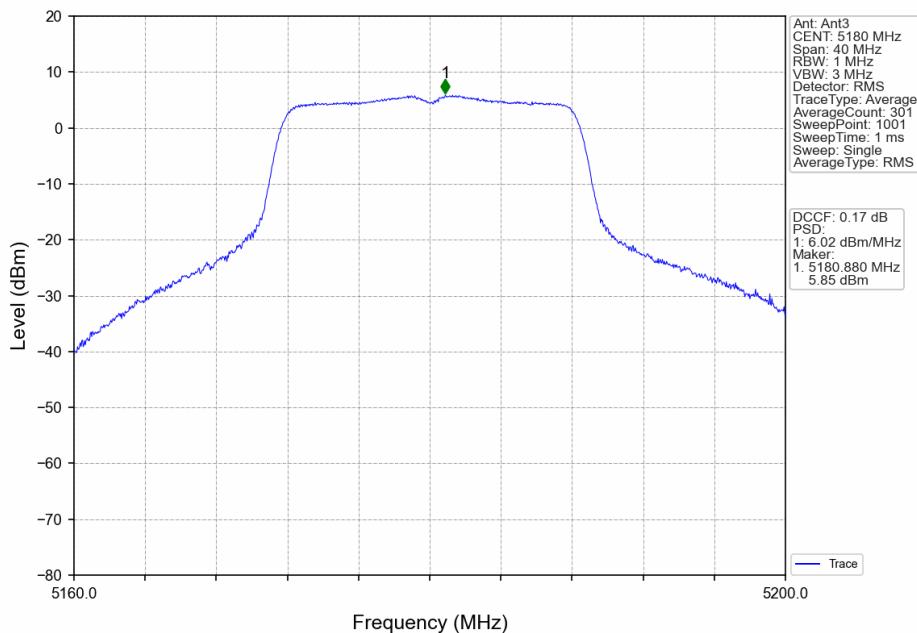
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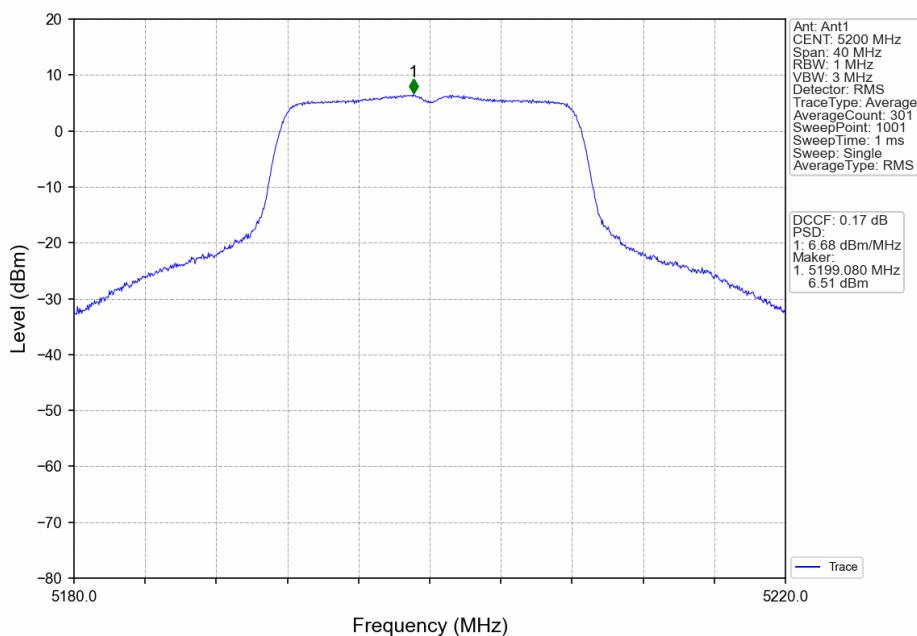
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4.1.2 Test Graph

802.11a_LCH_5180MHz_Ant3_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



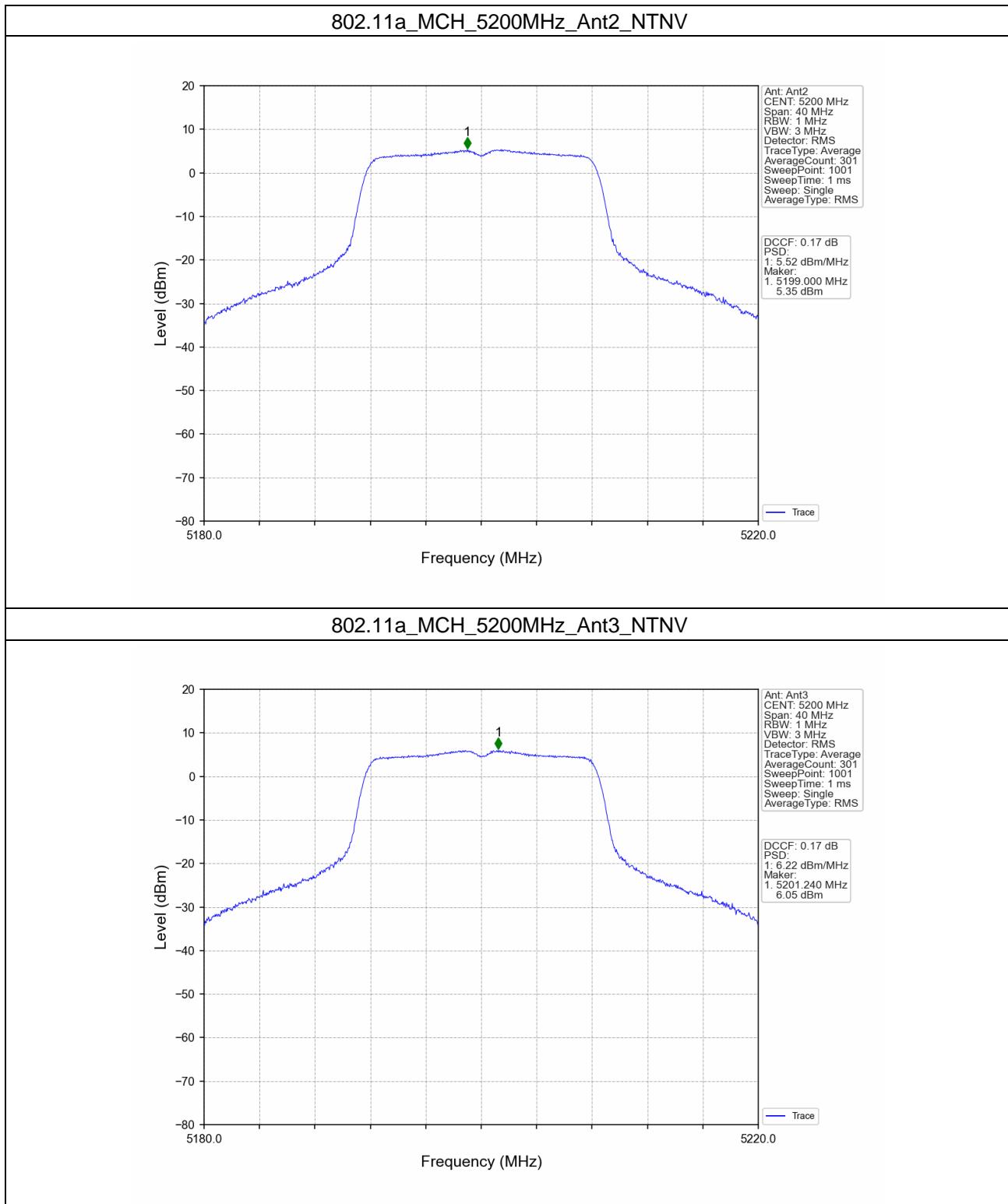
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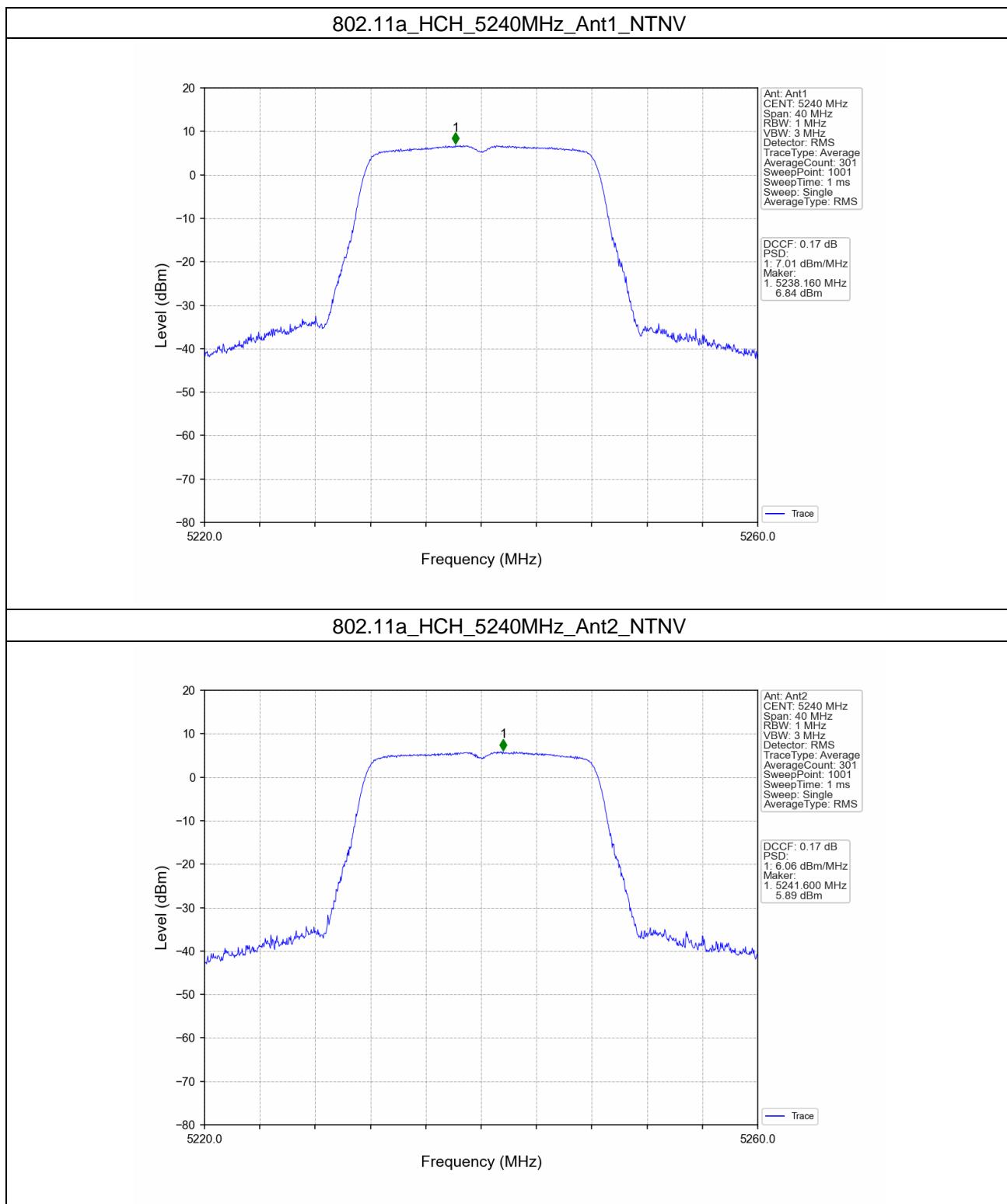
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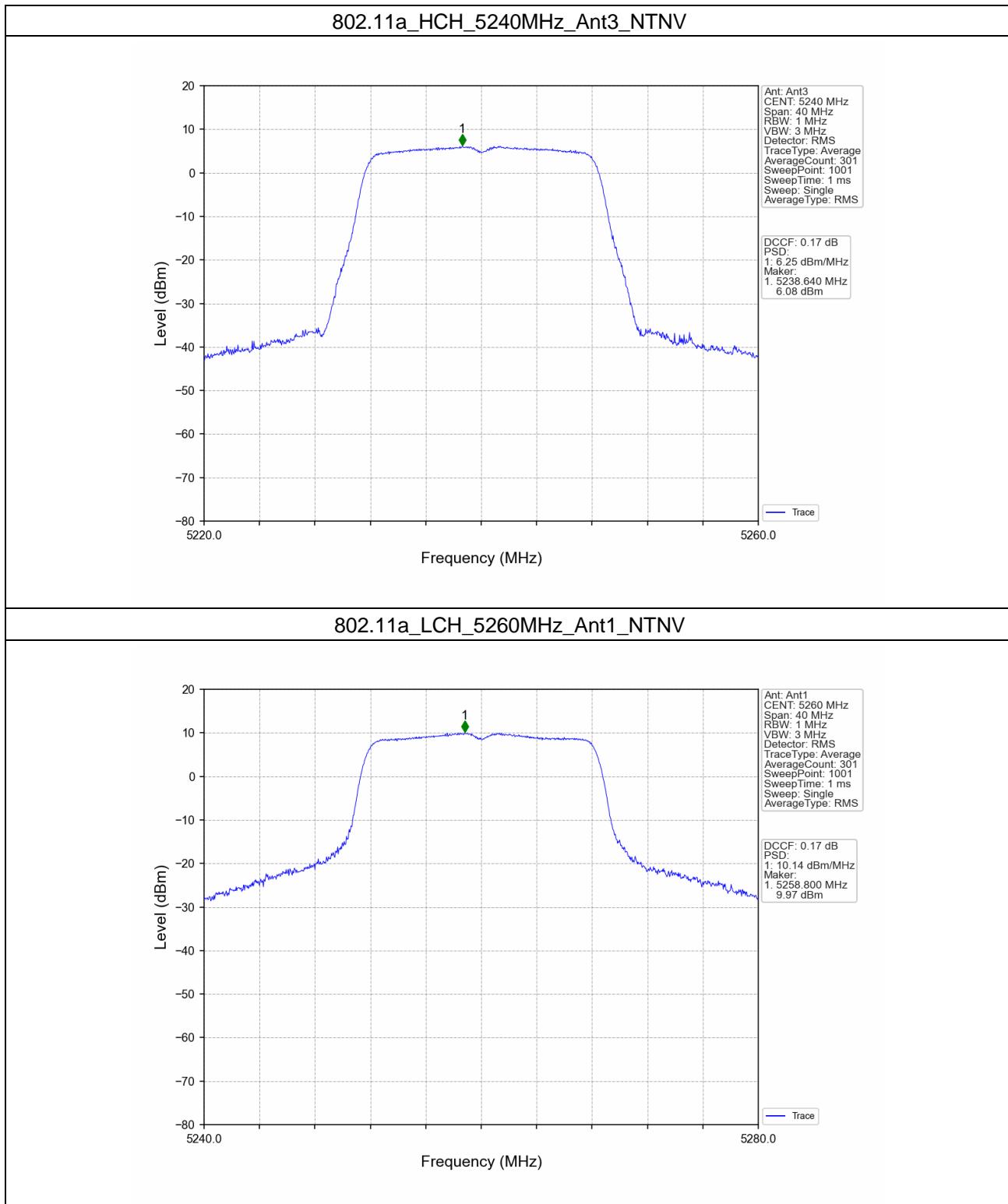
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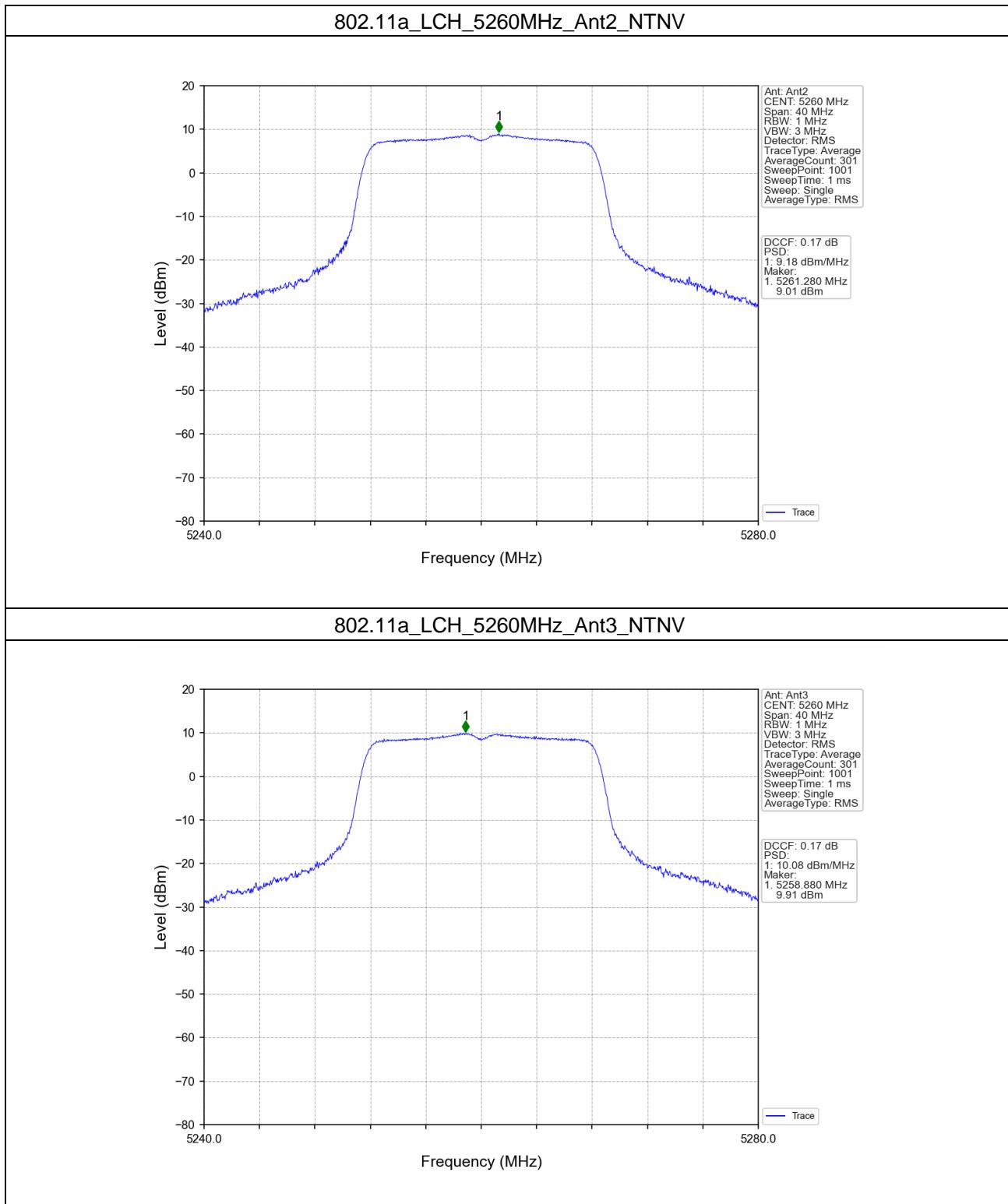
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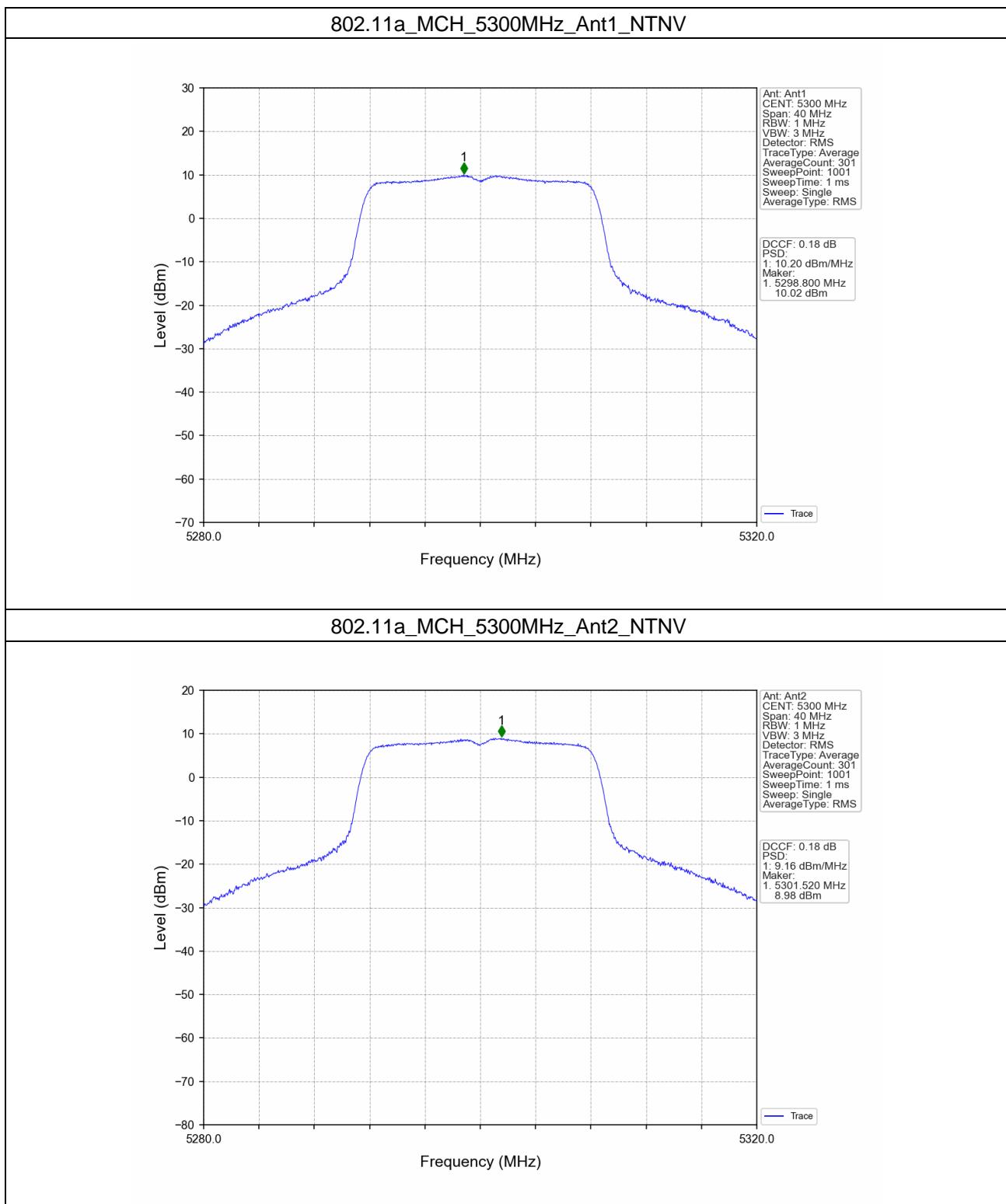


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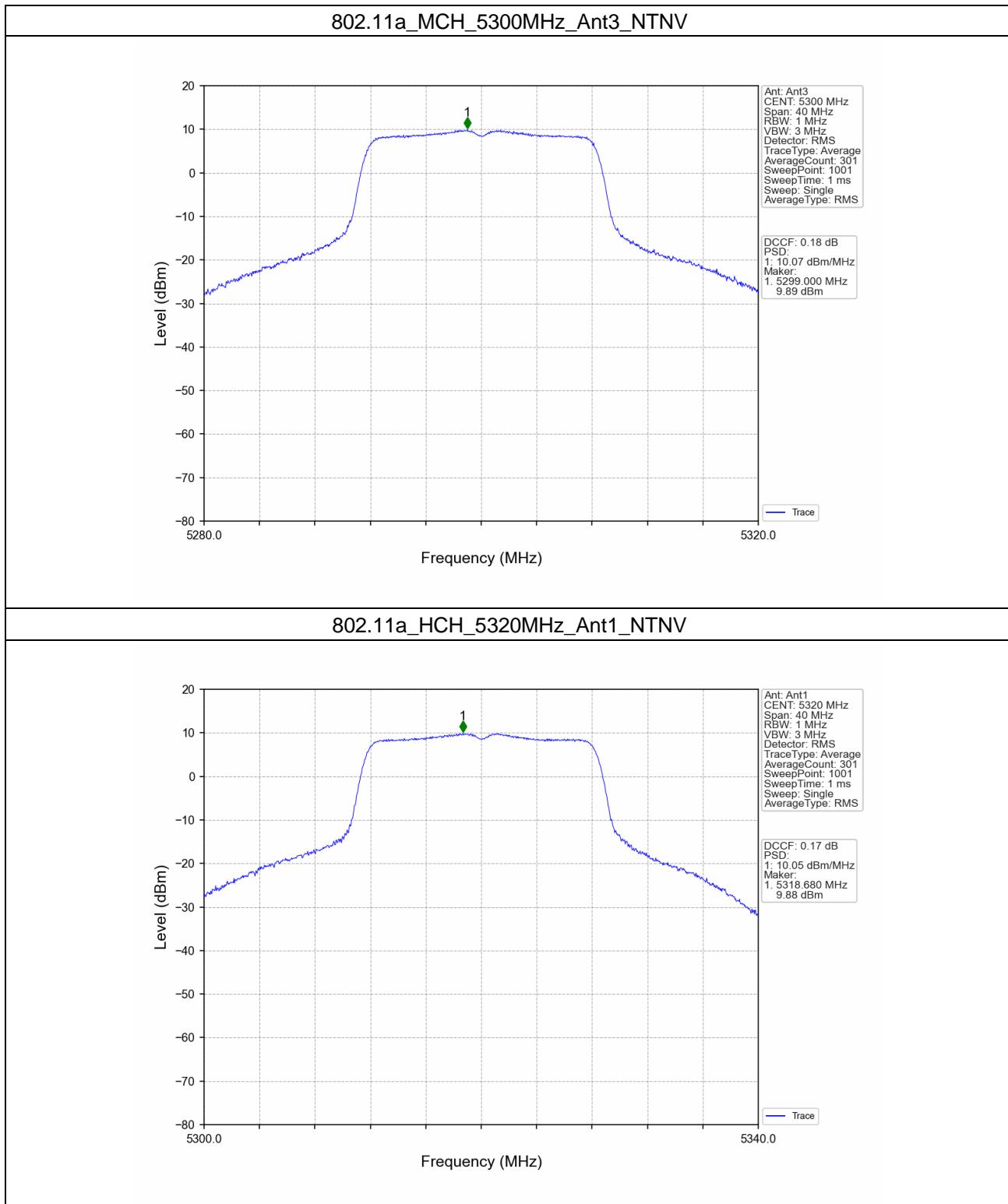
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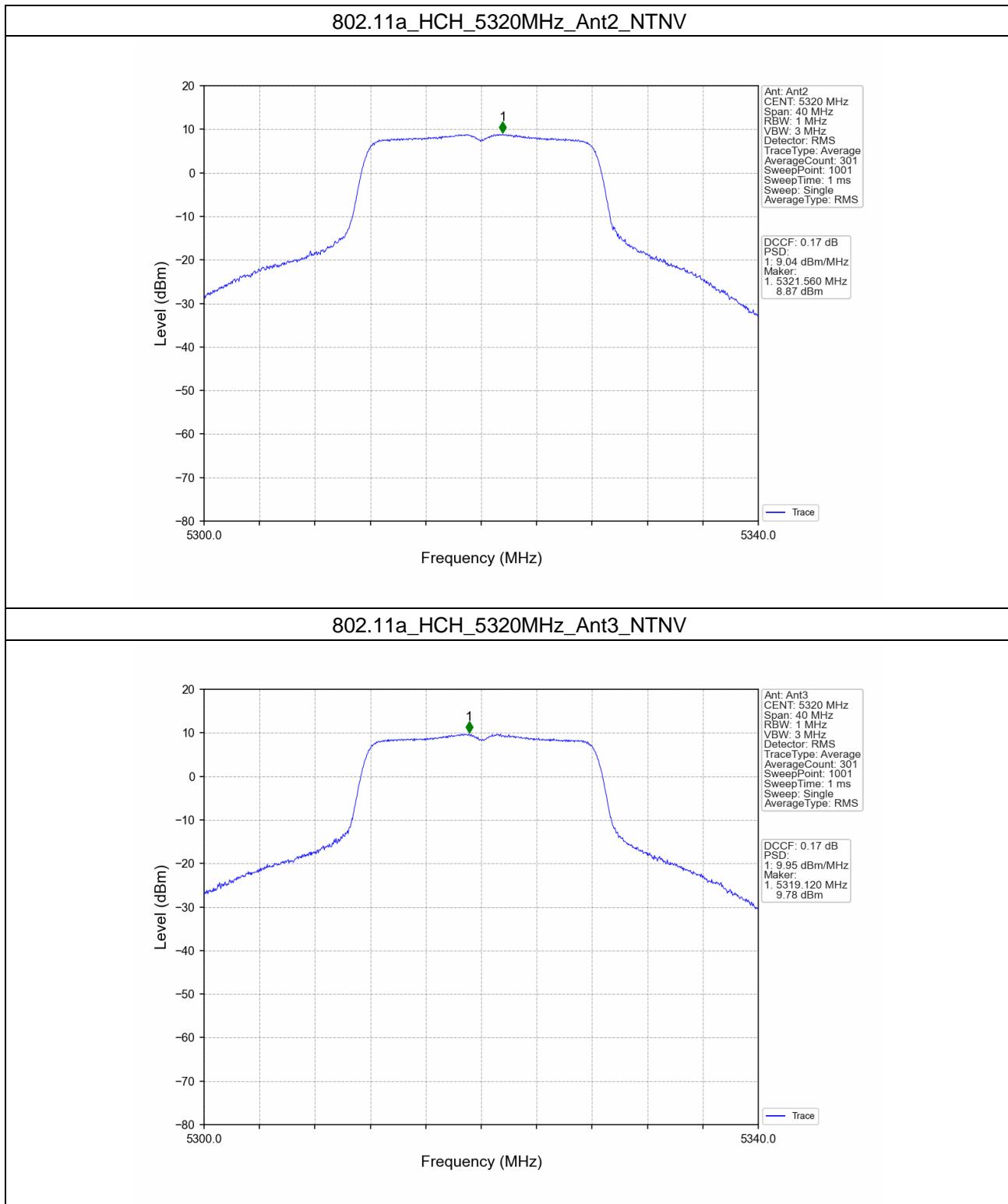
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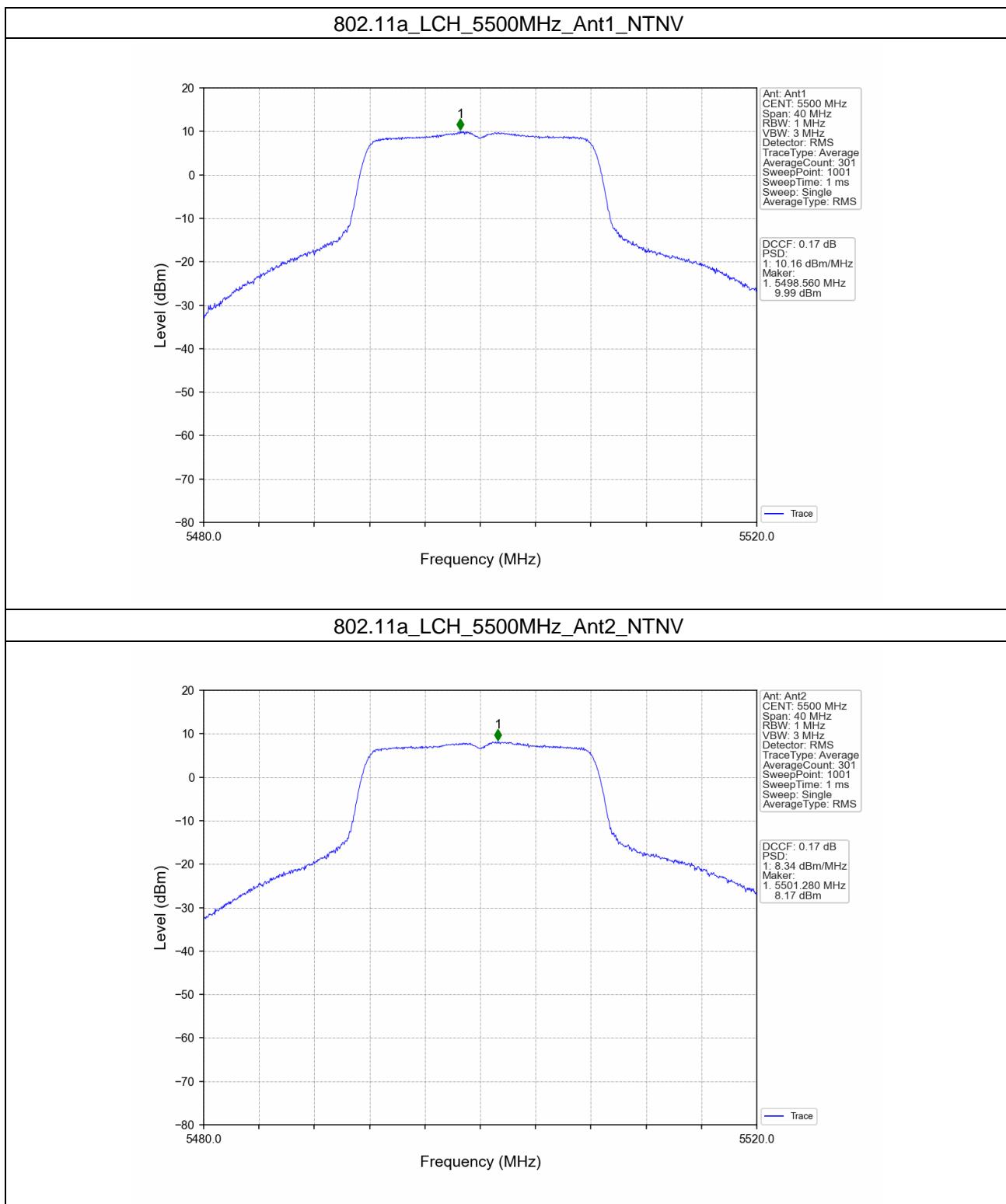
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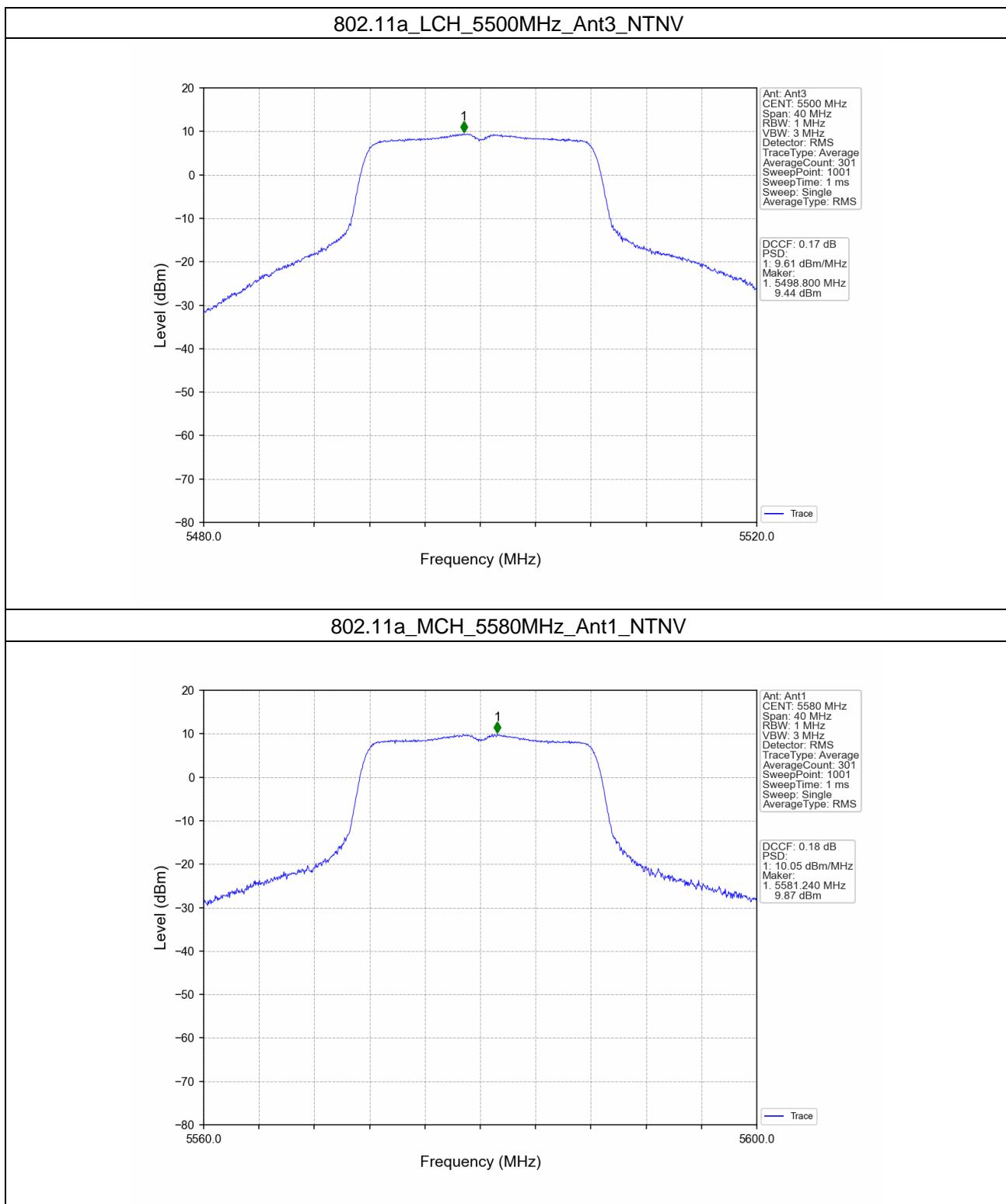


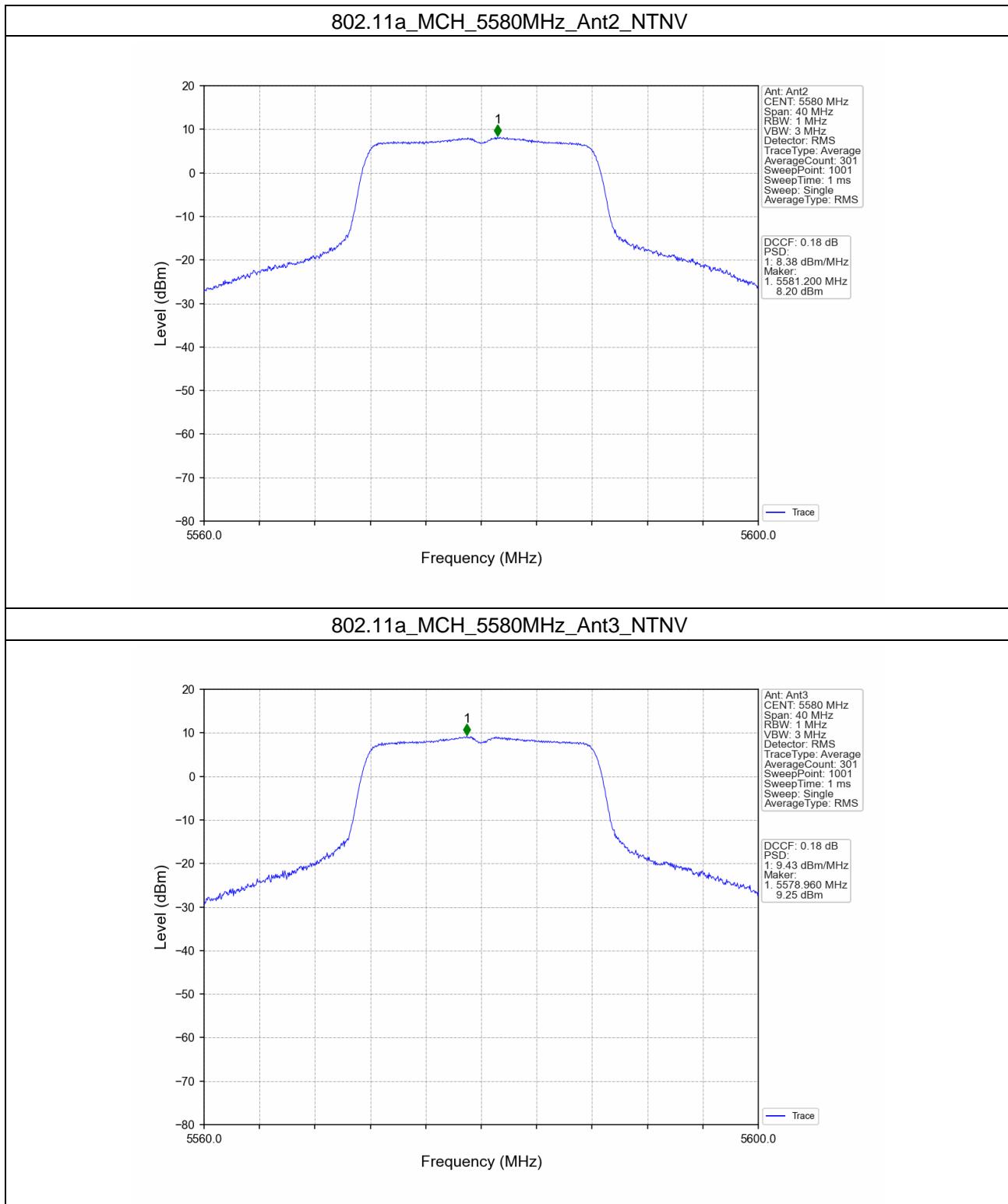
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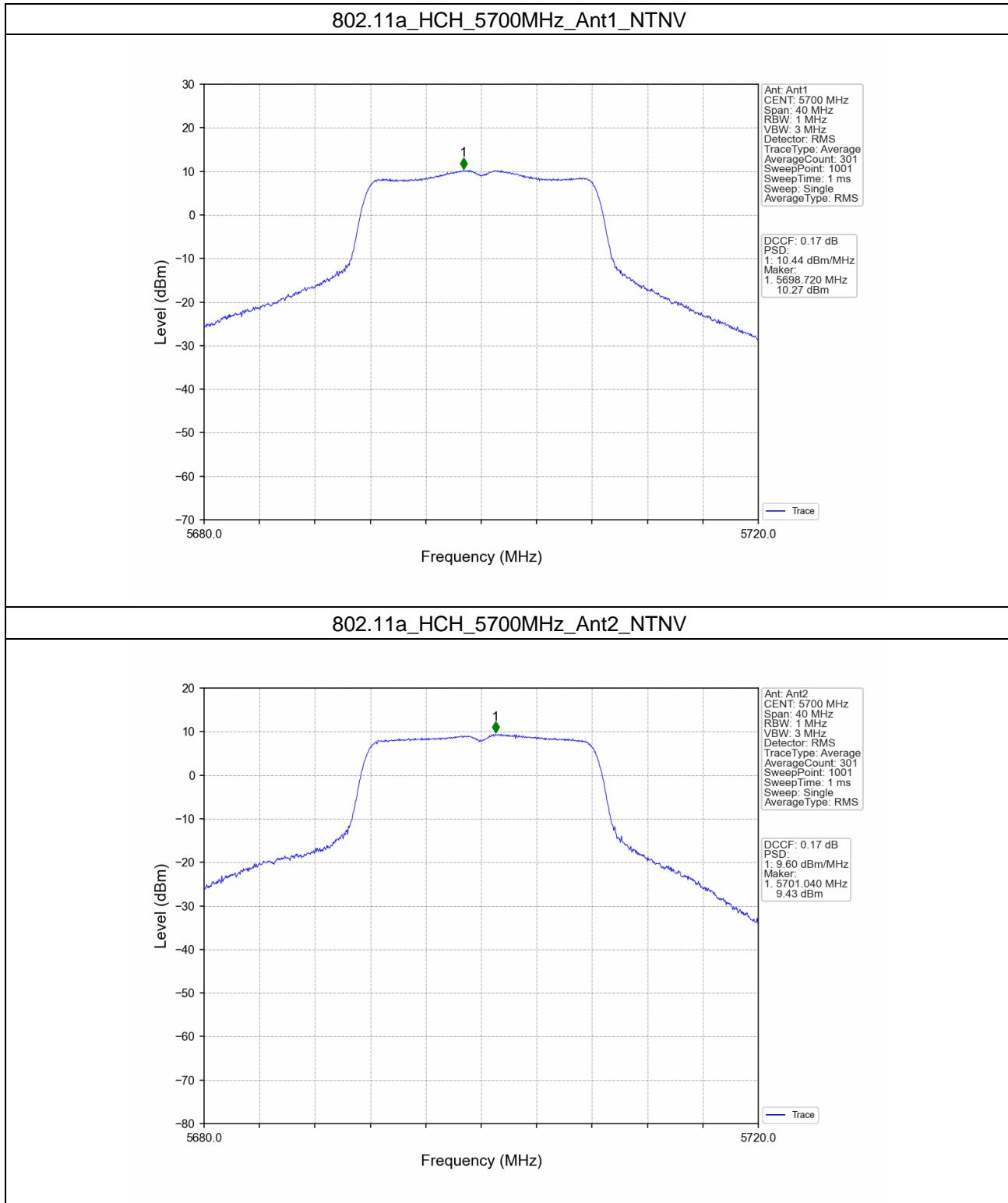
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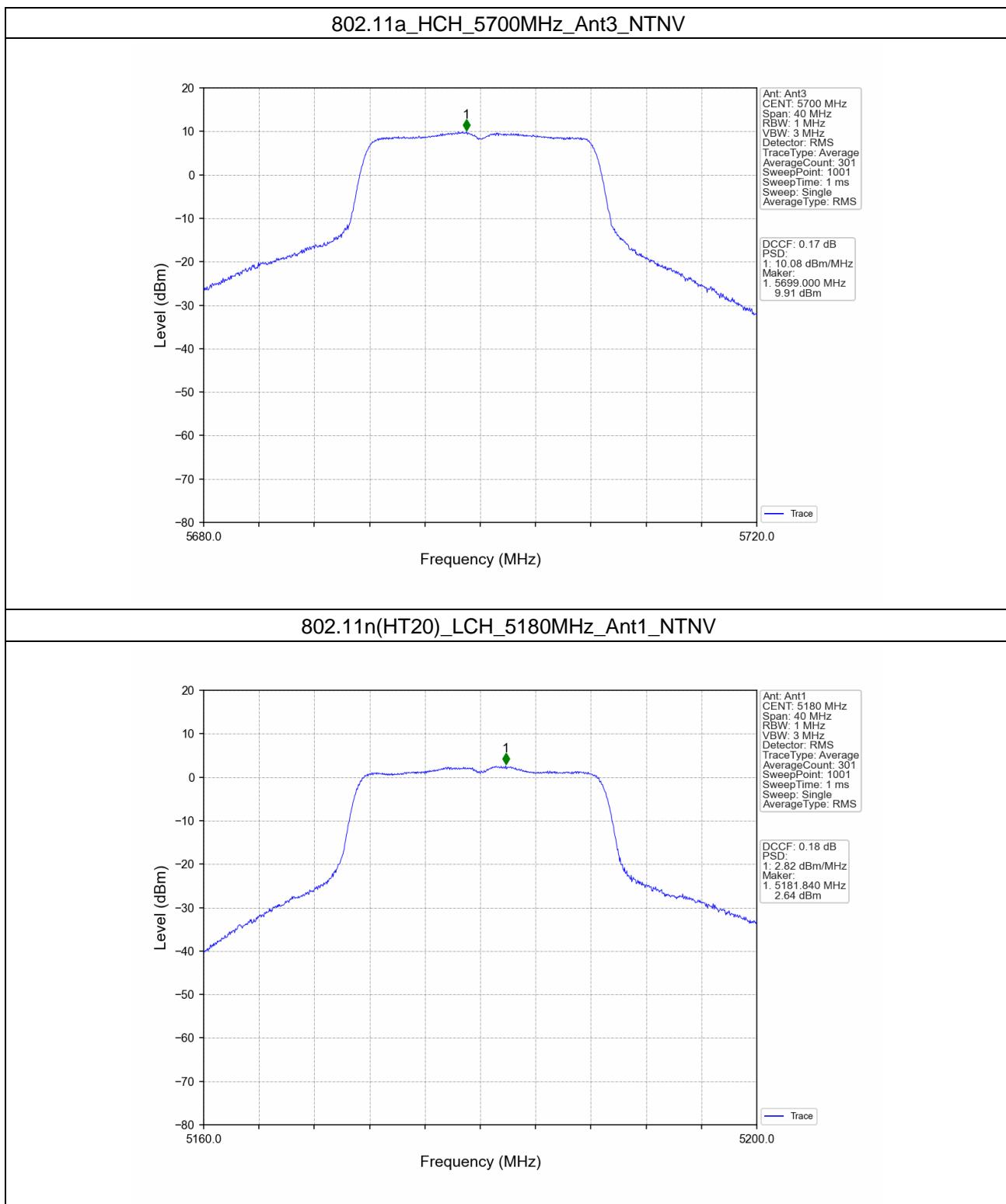
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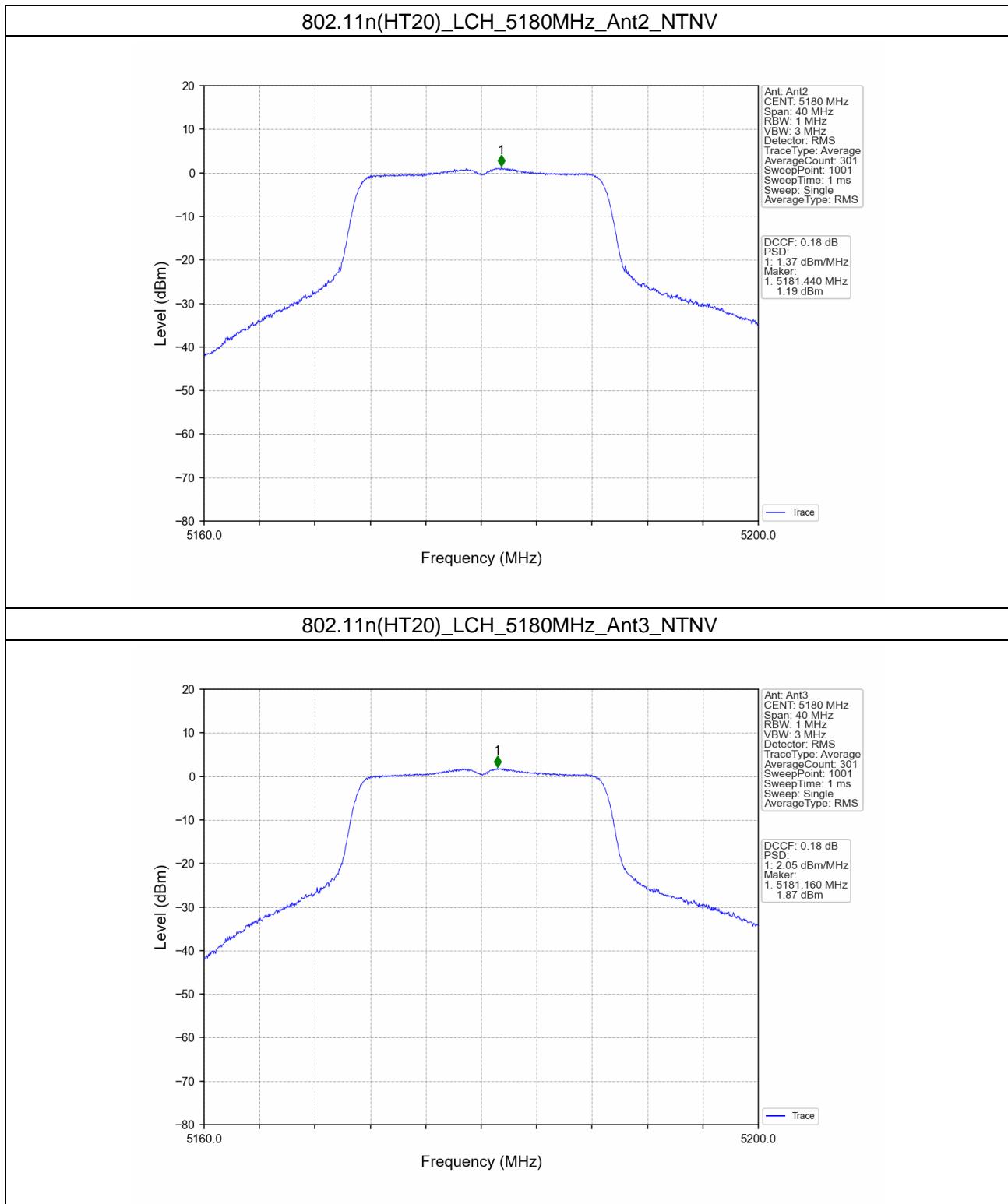
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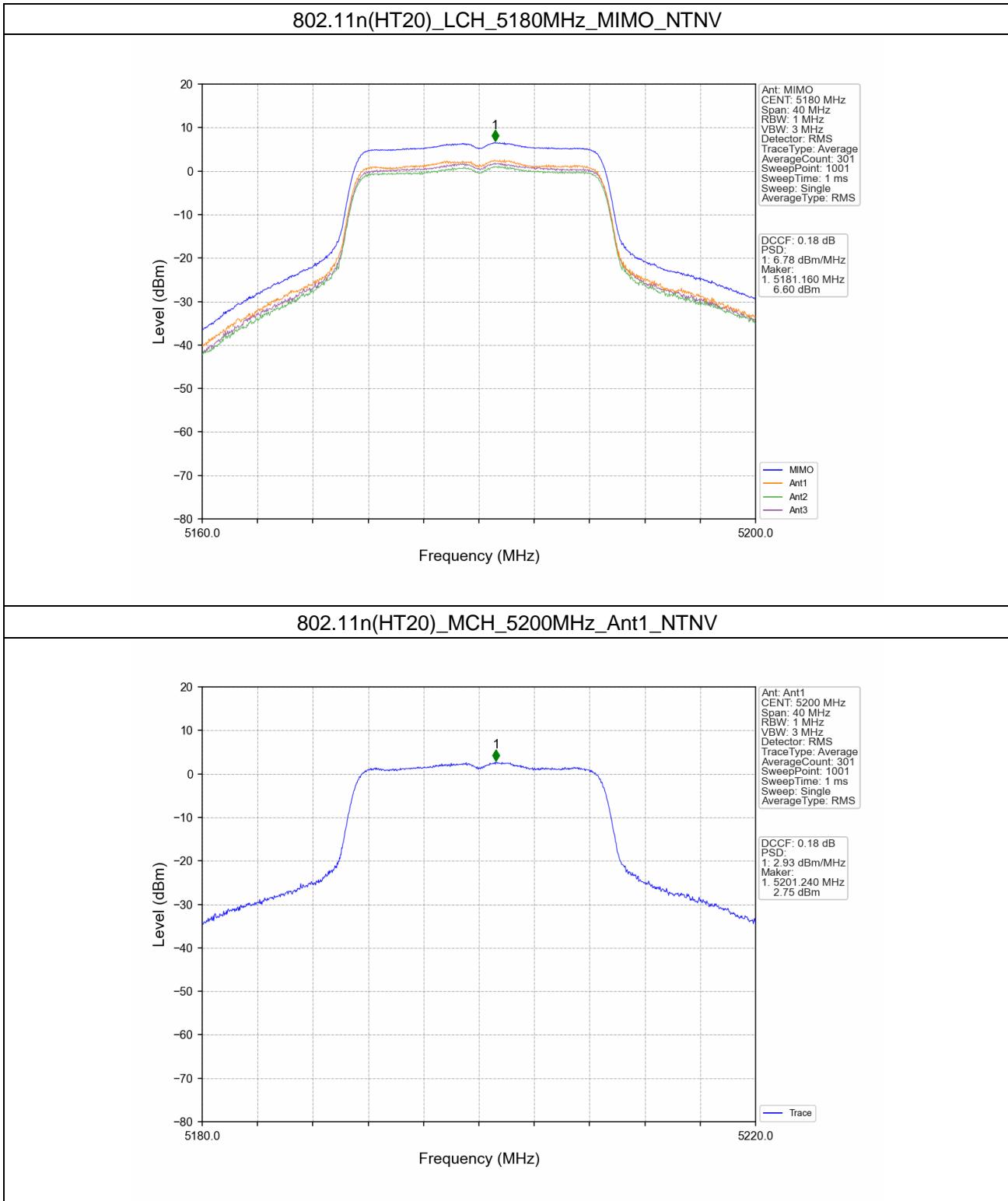


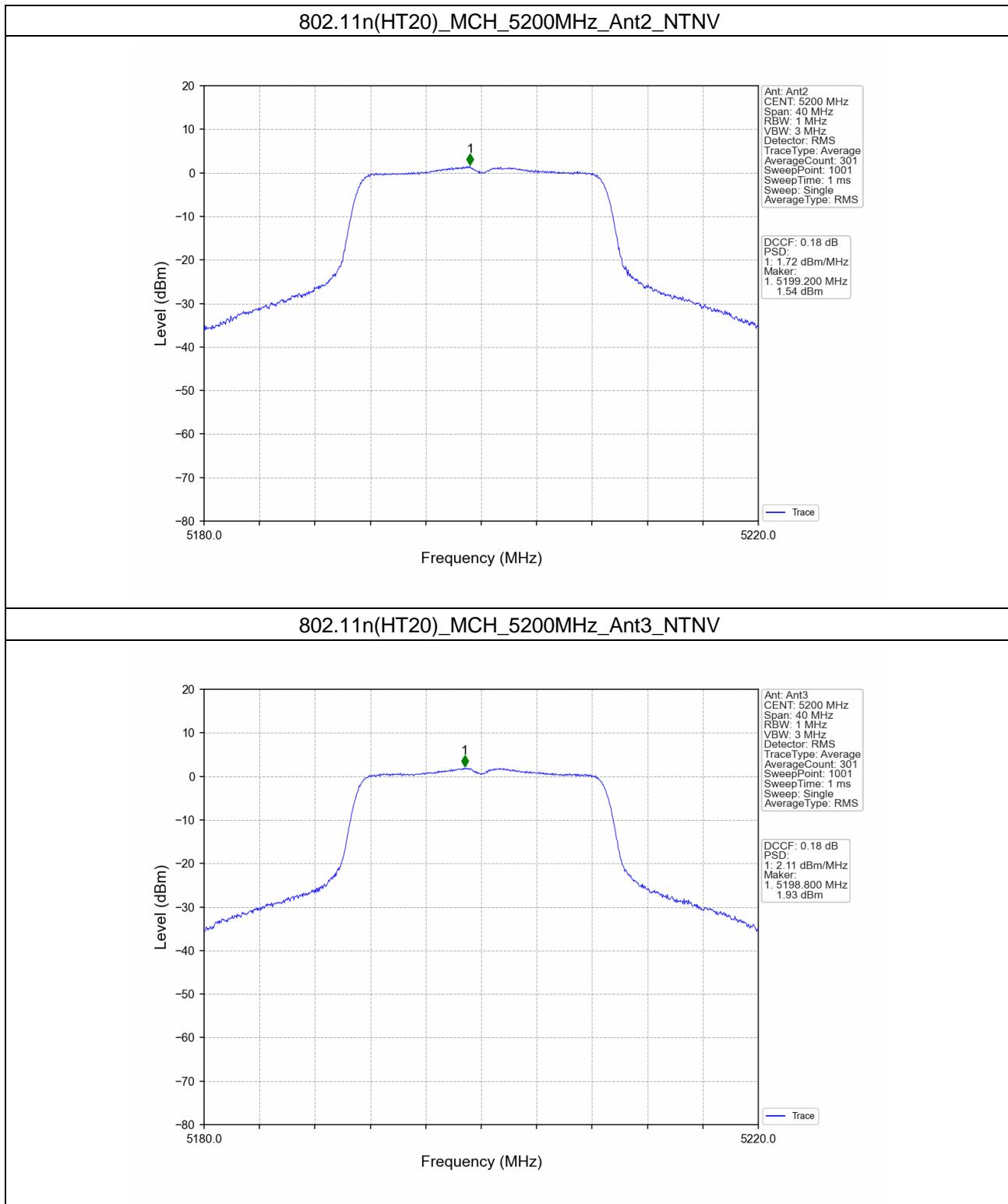
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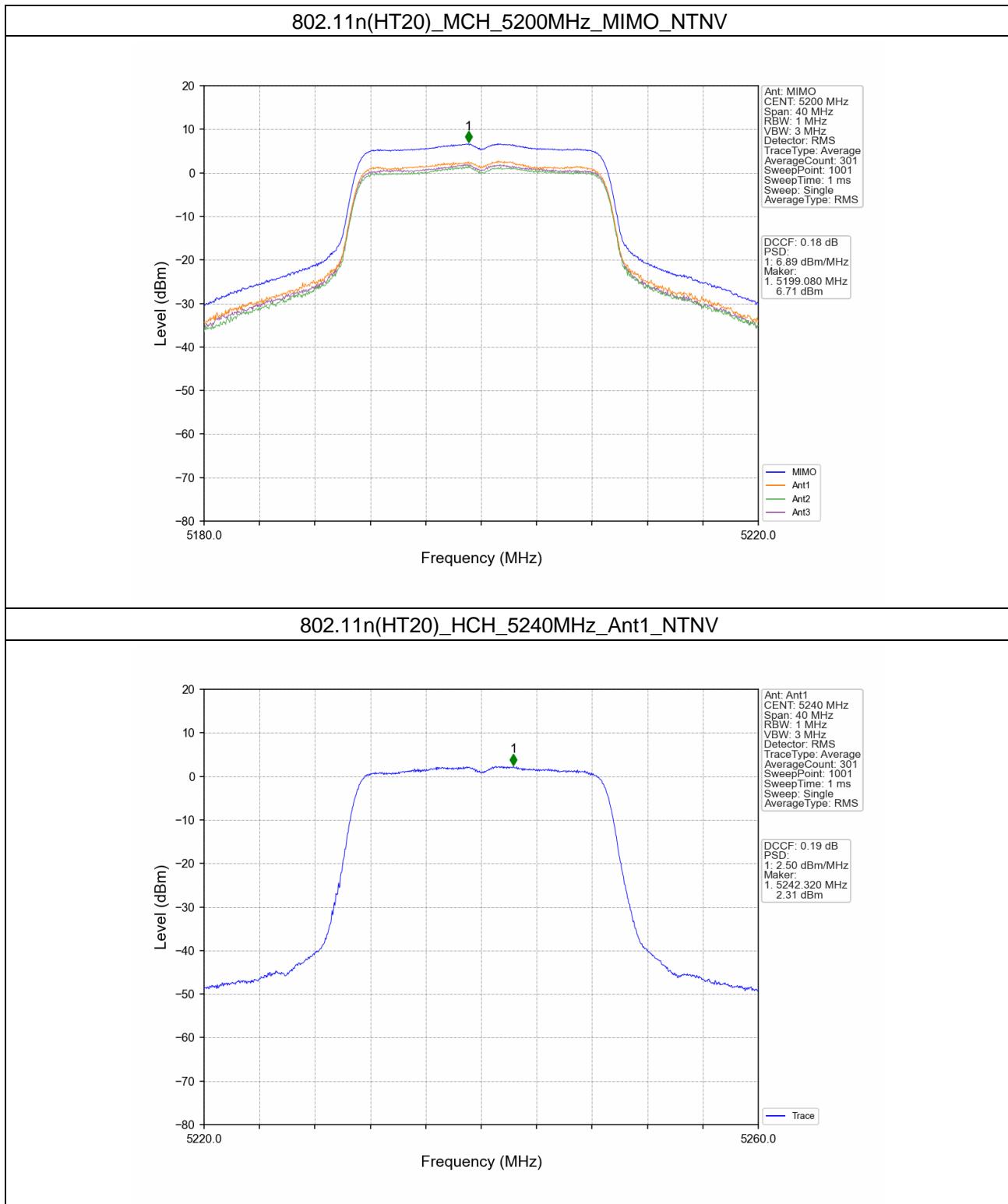
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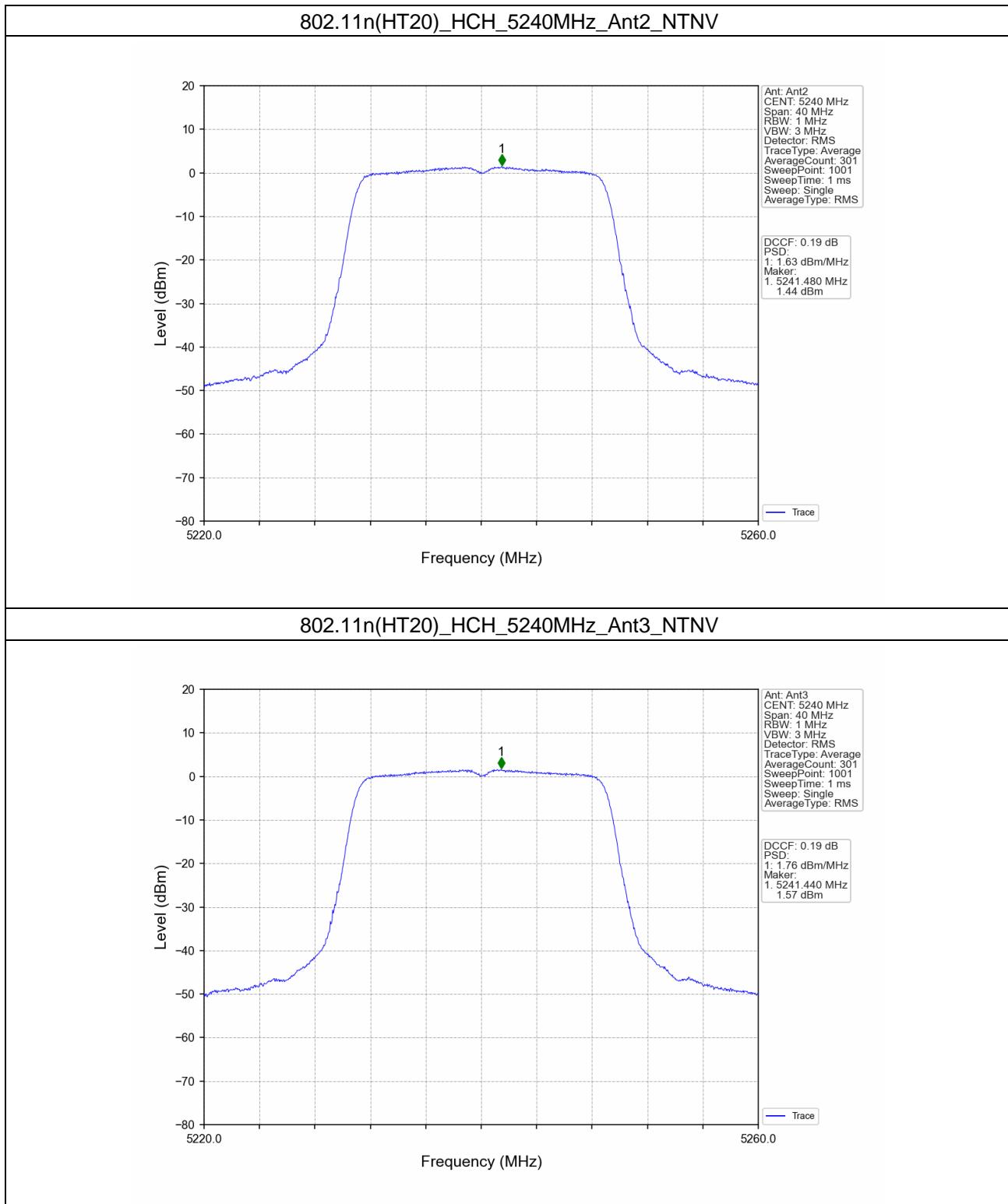
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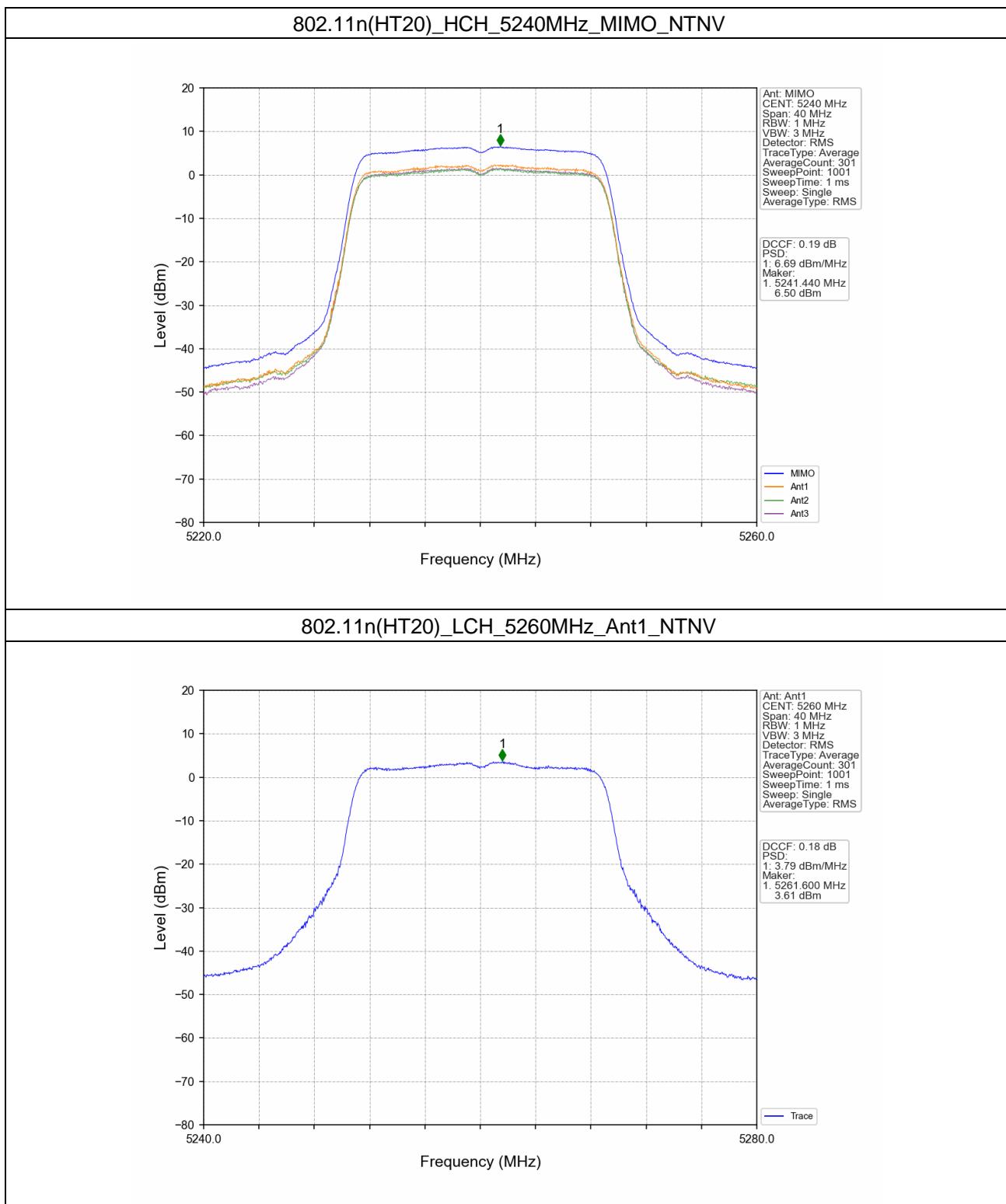
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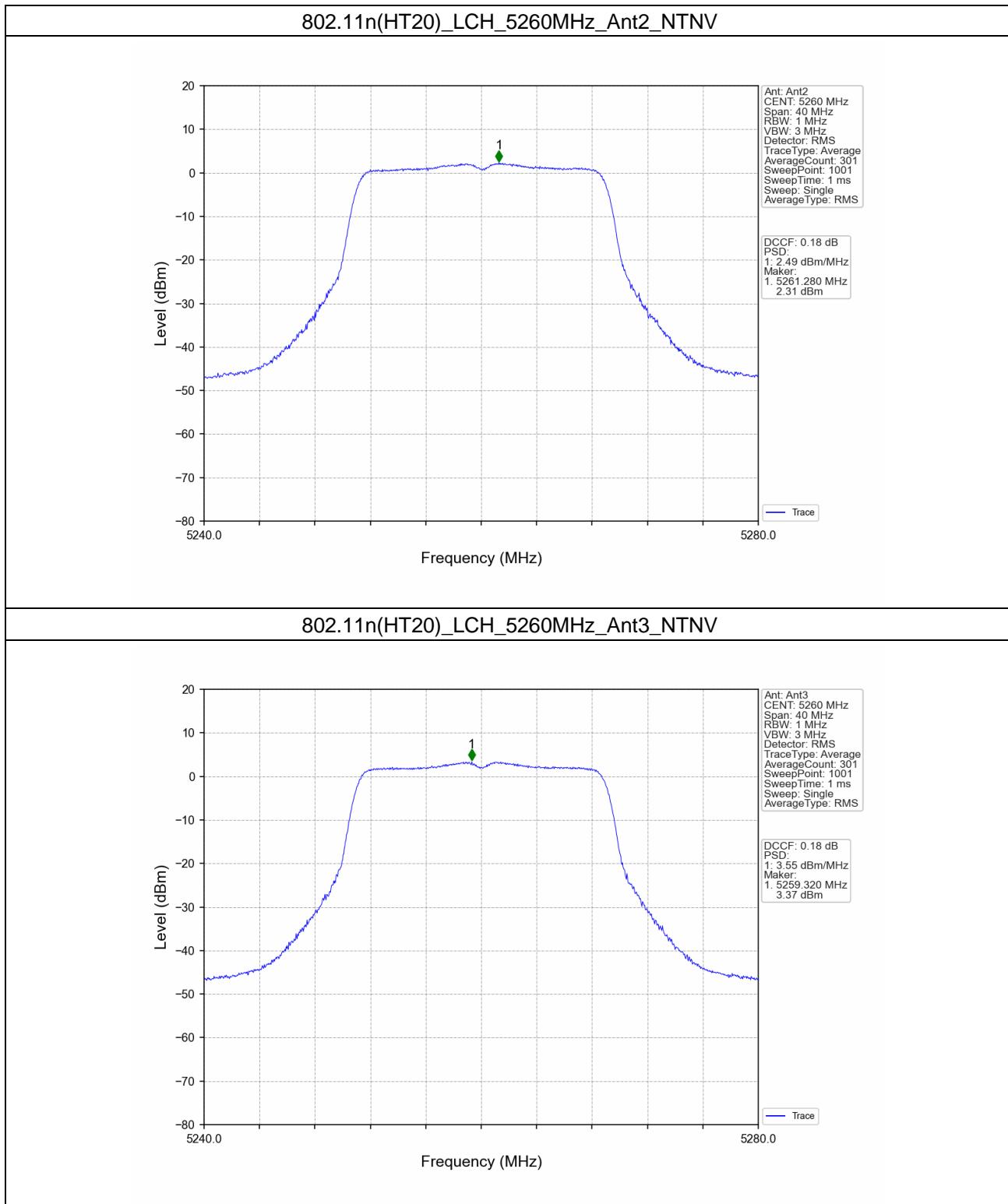
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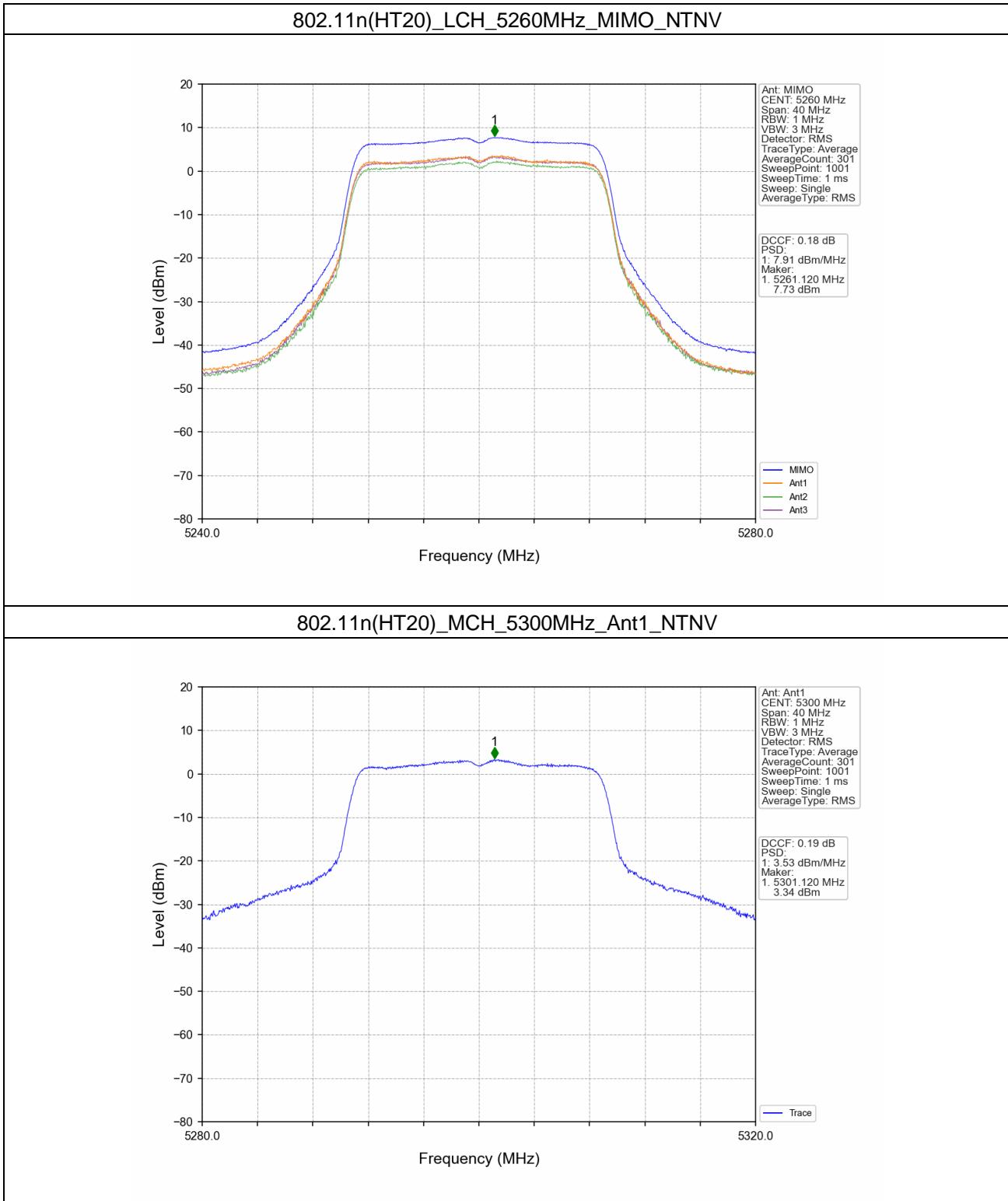
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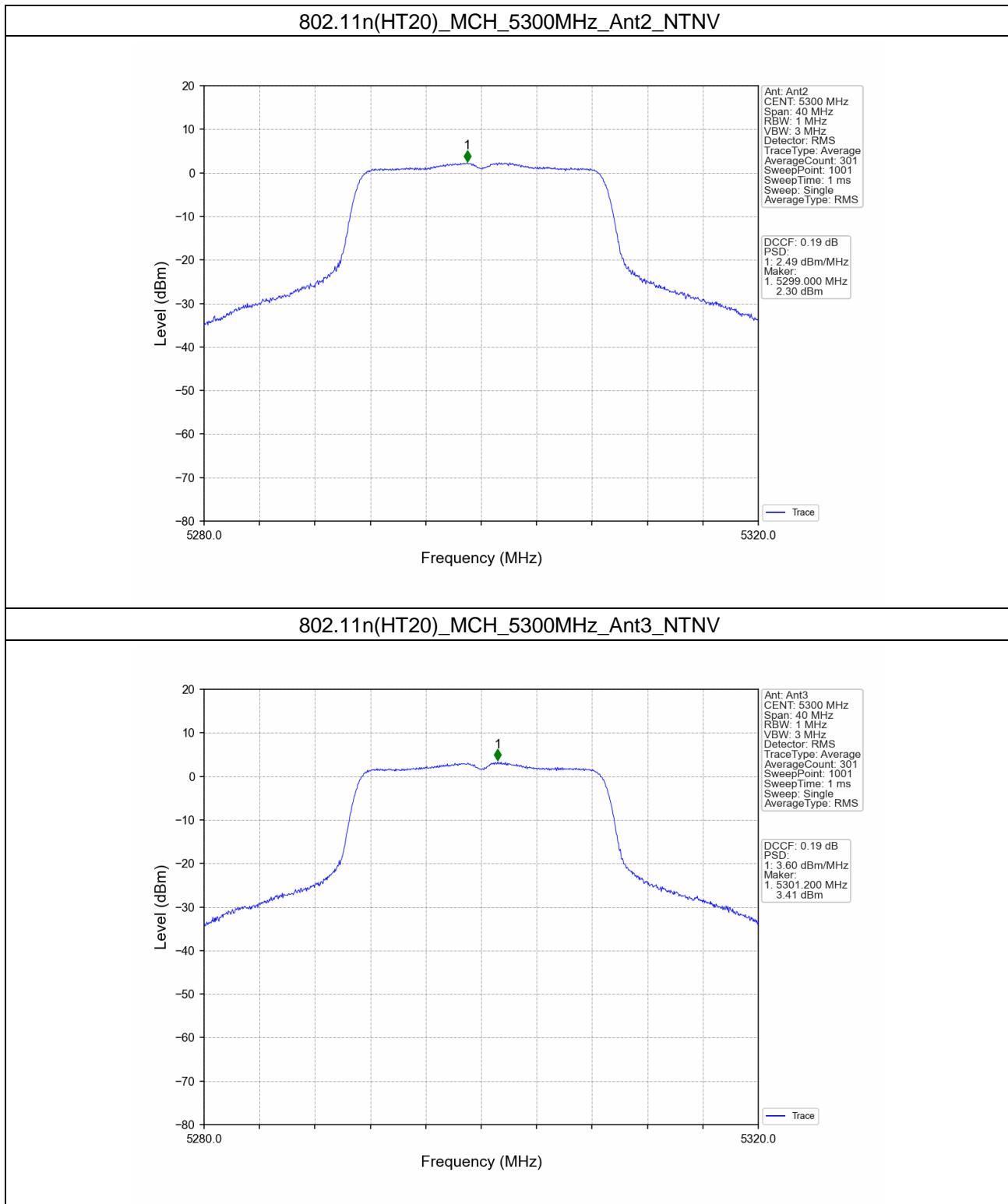




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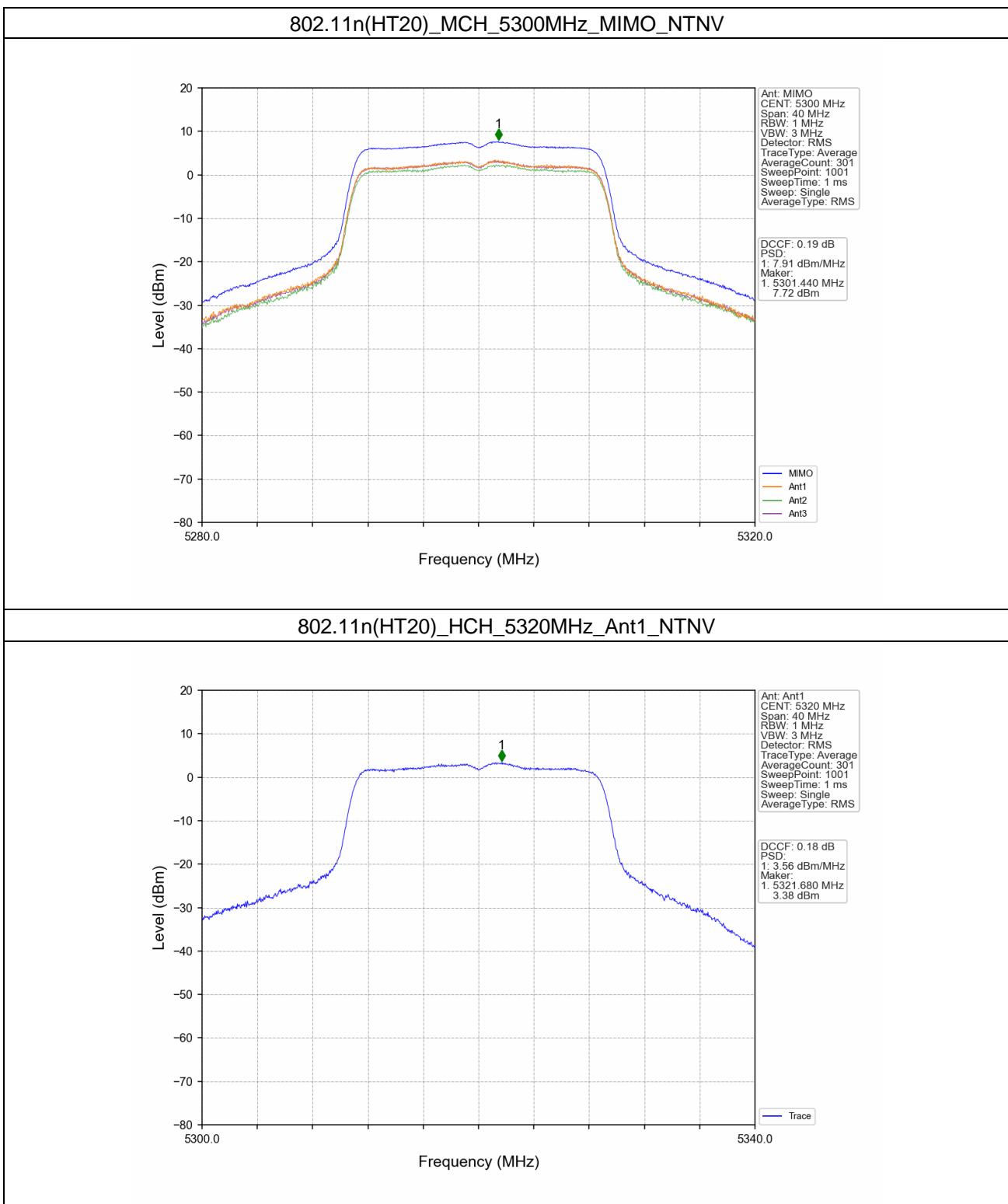
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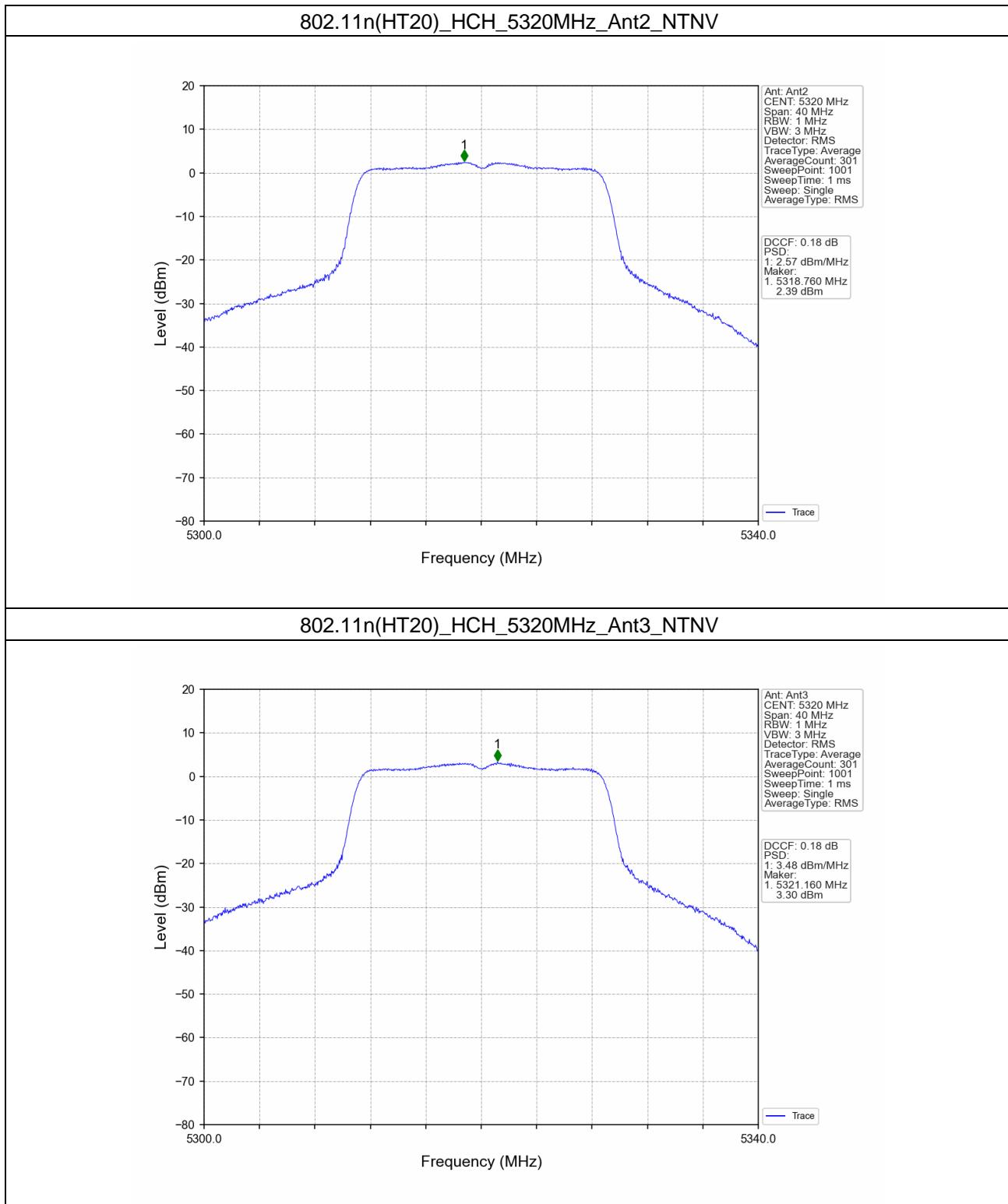
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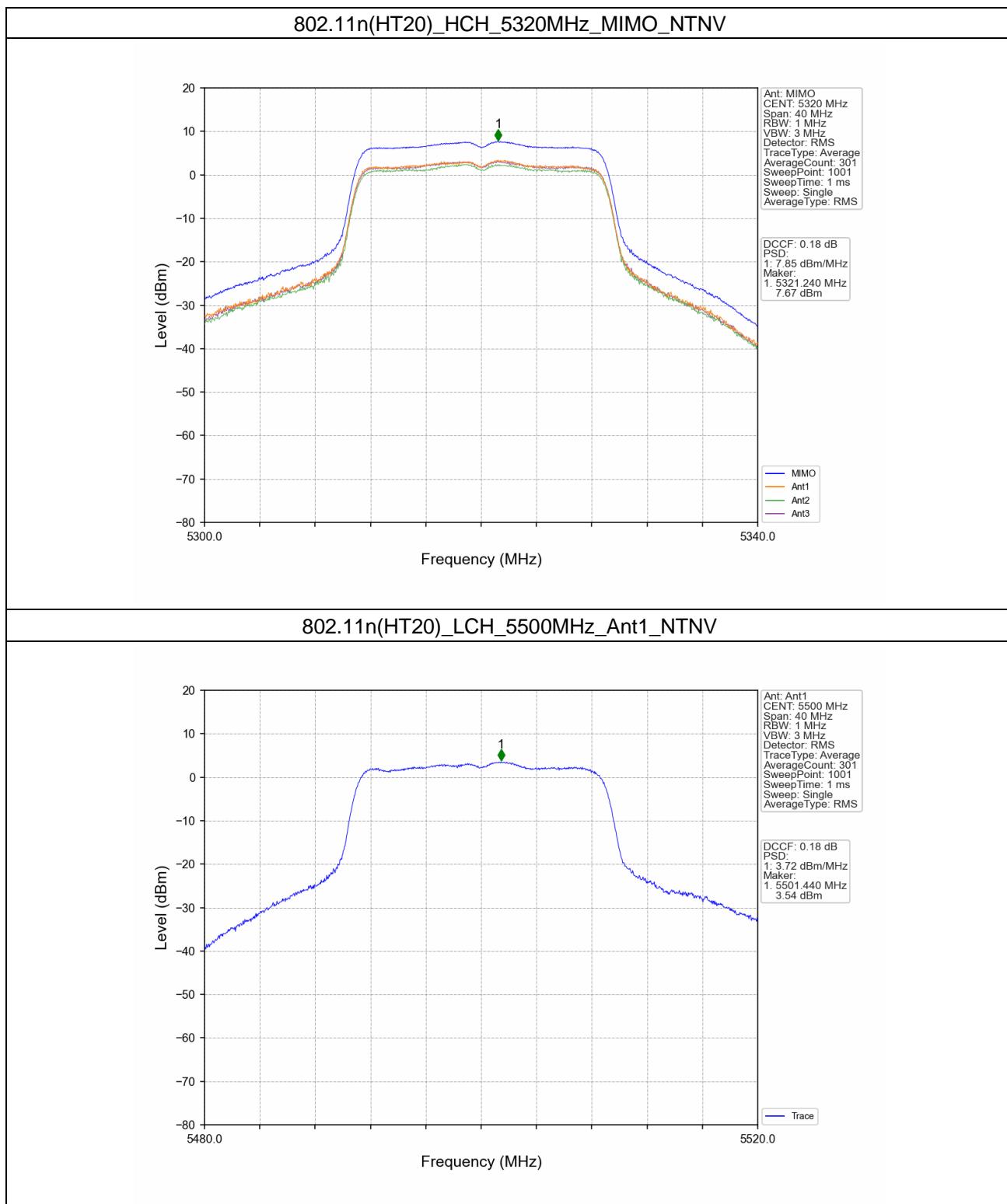


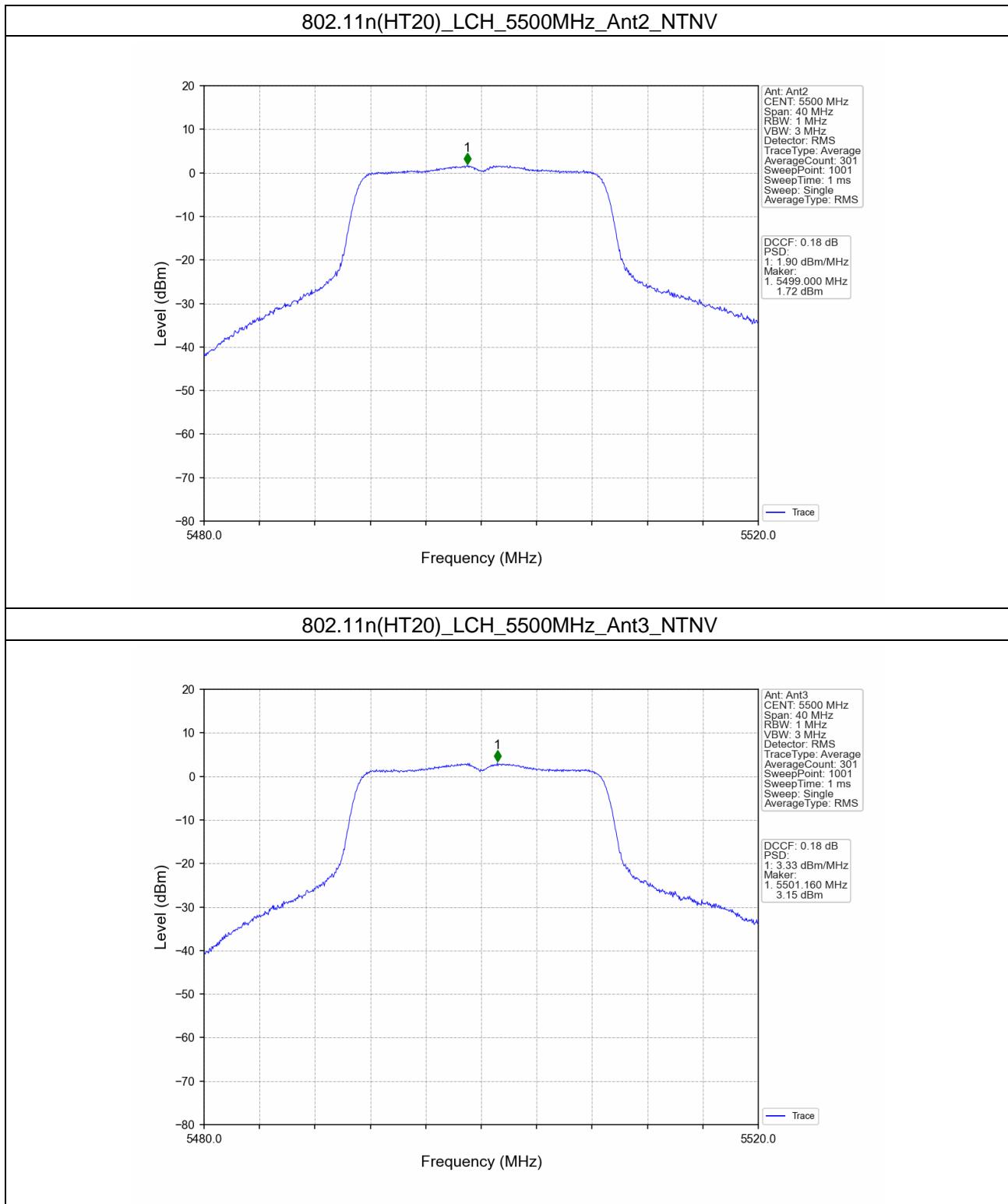
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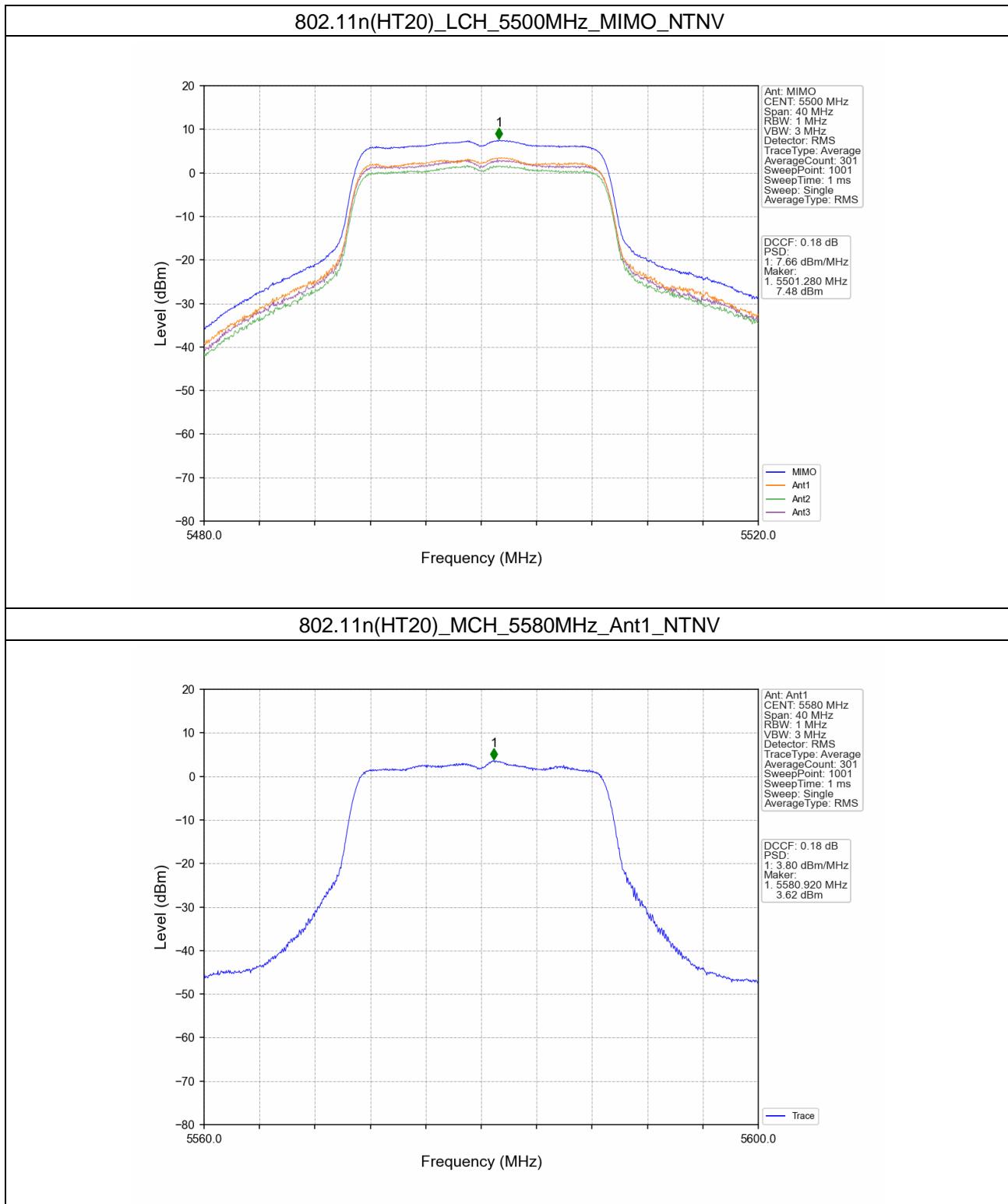


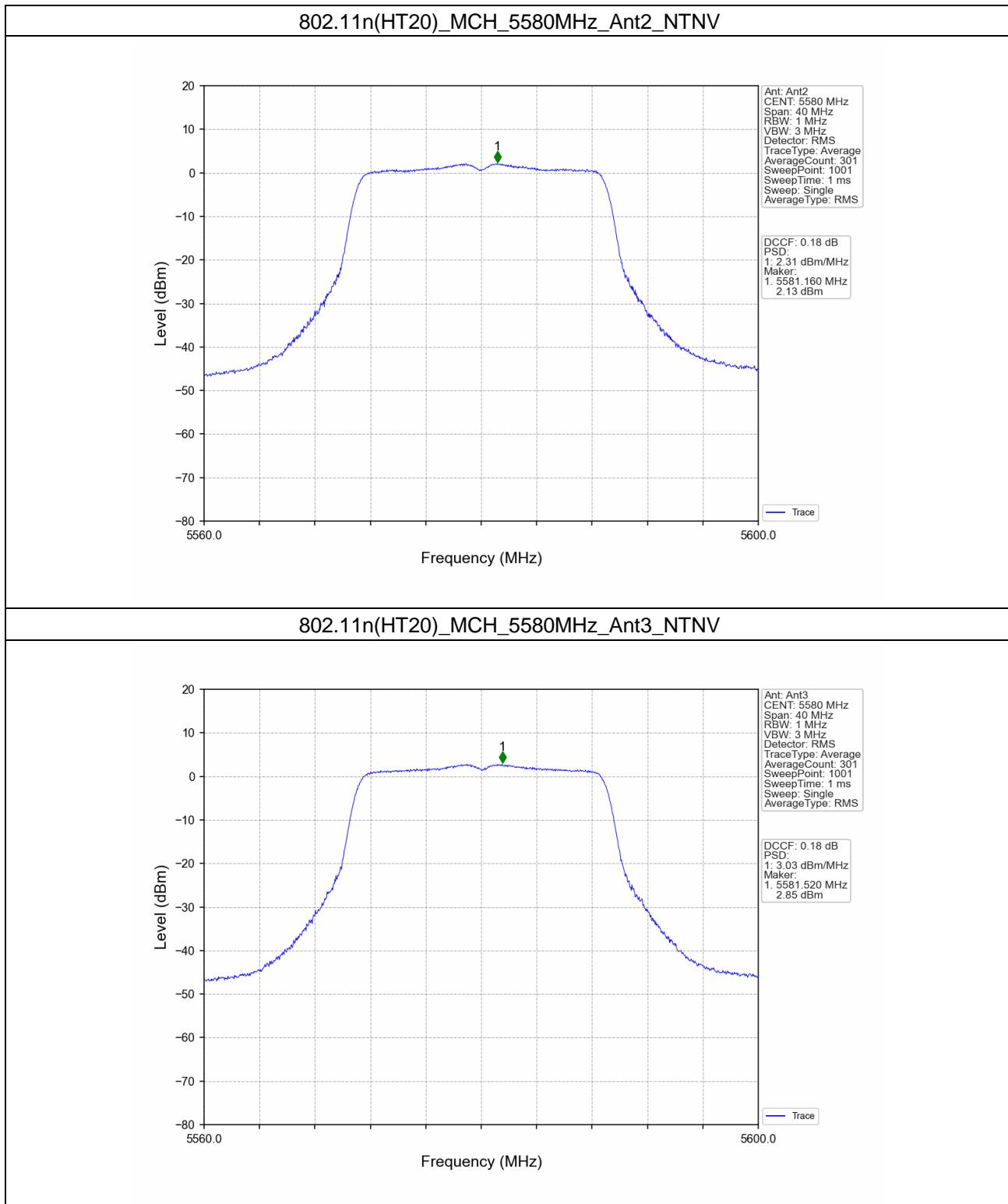




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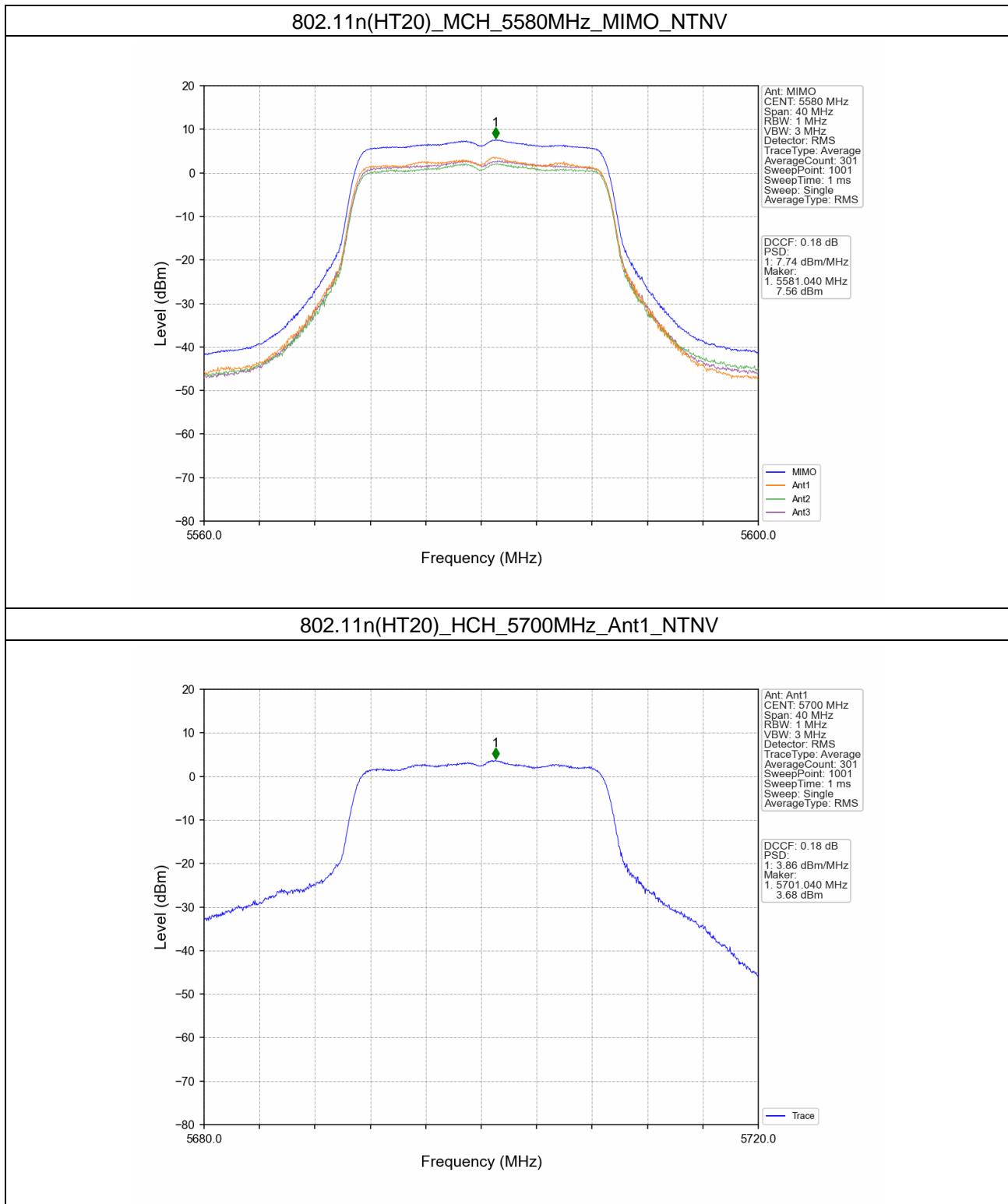
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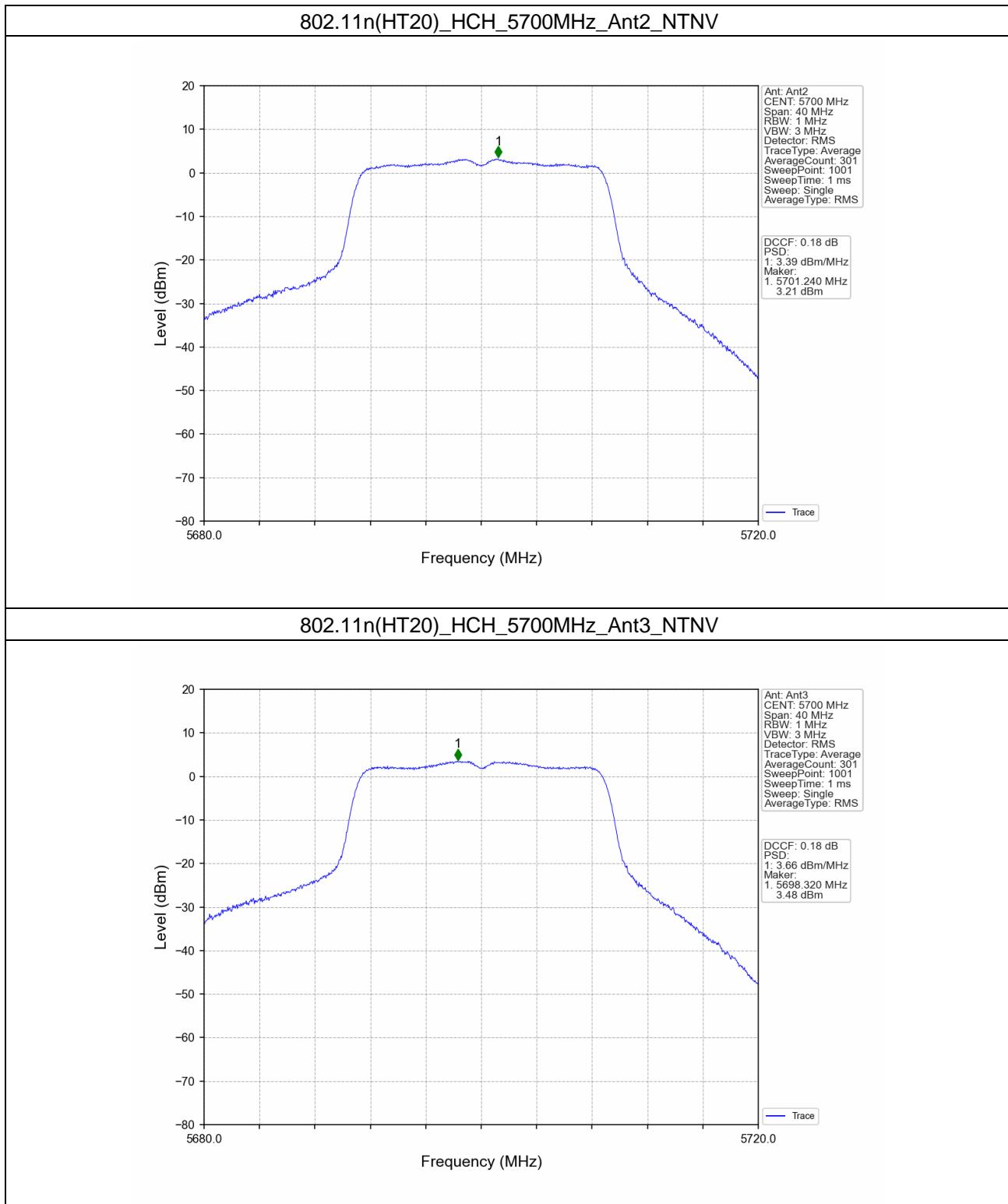
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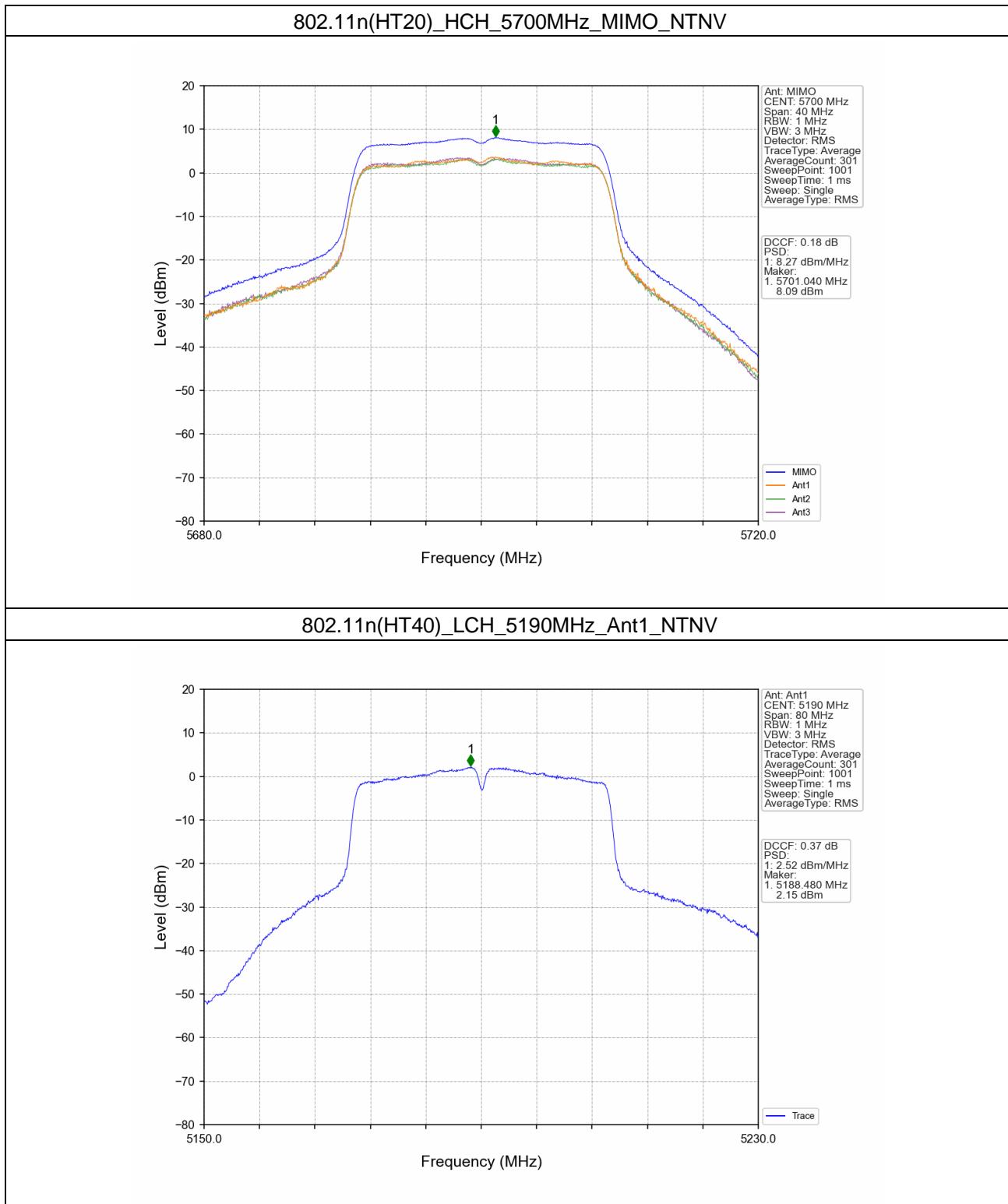
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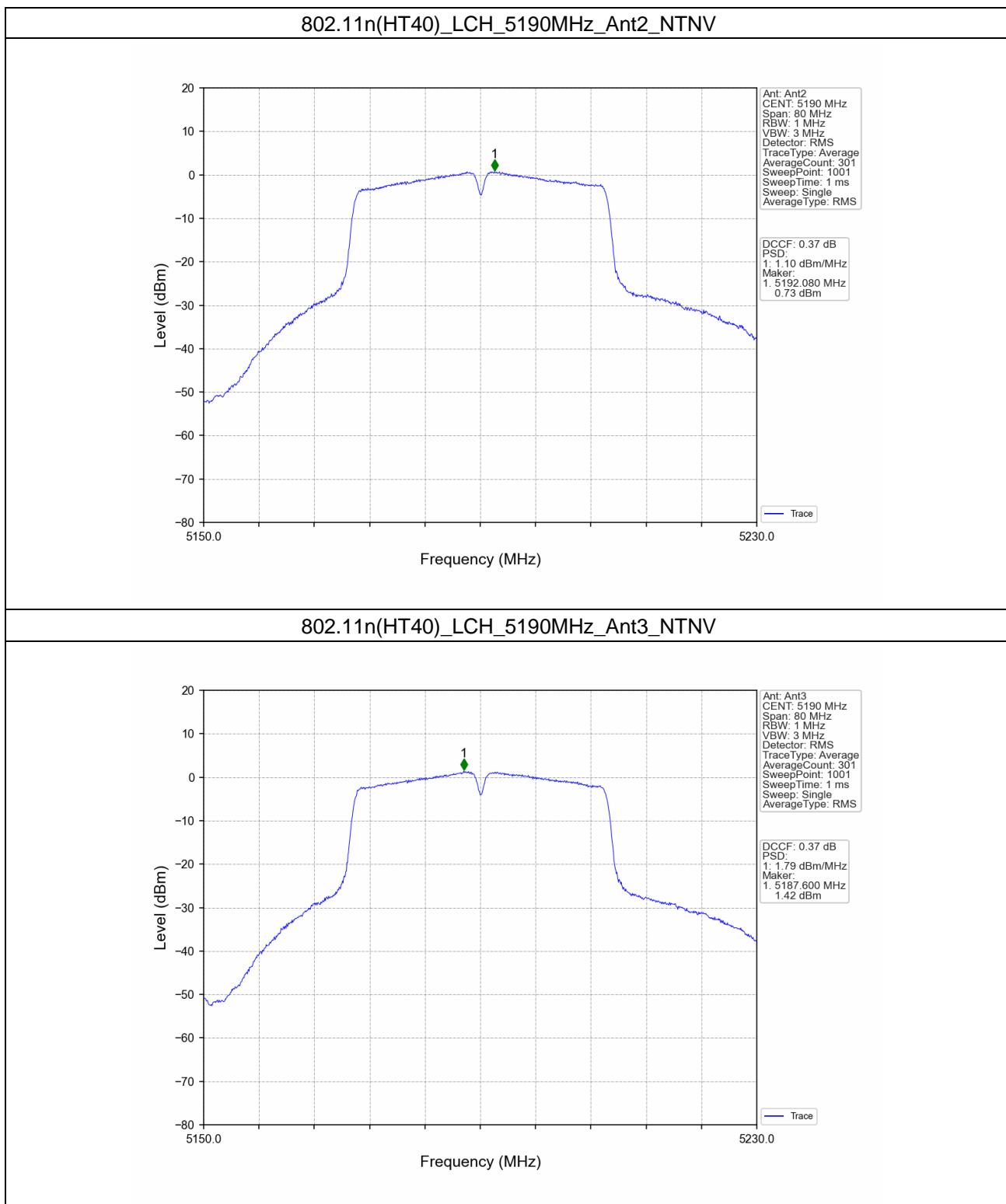


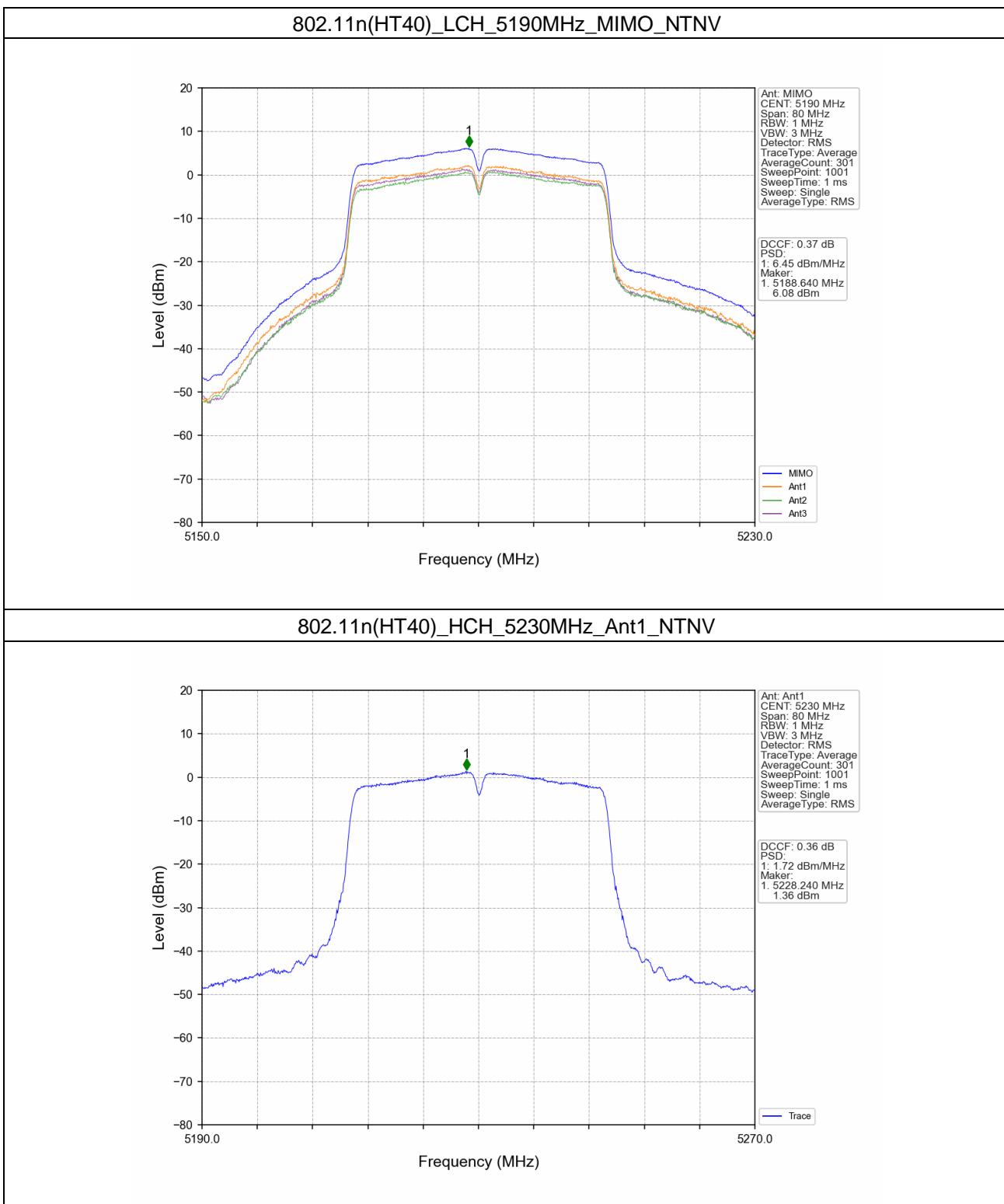


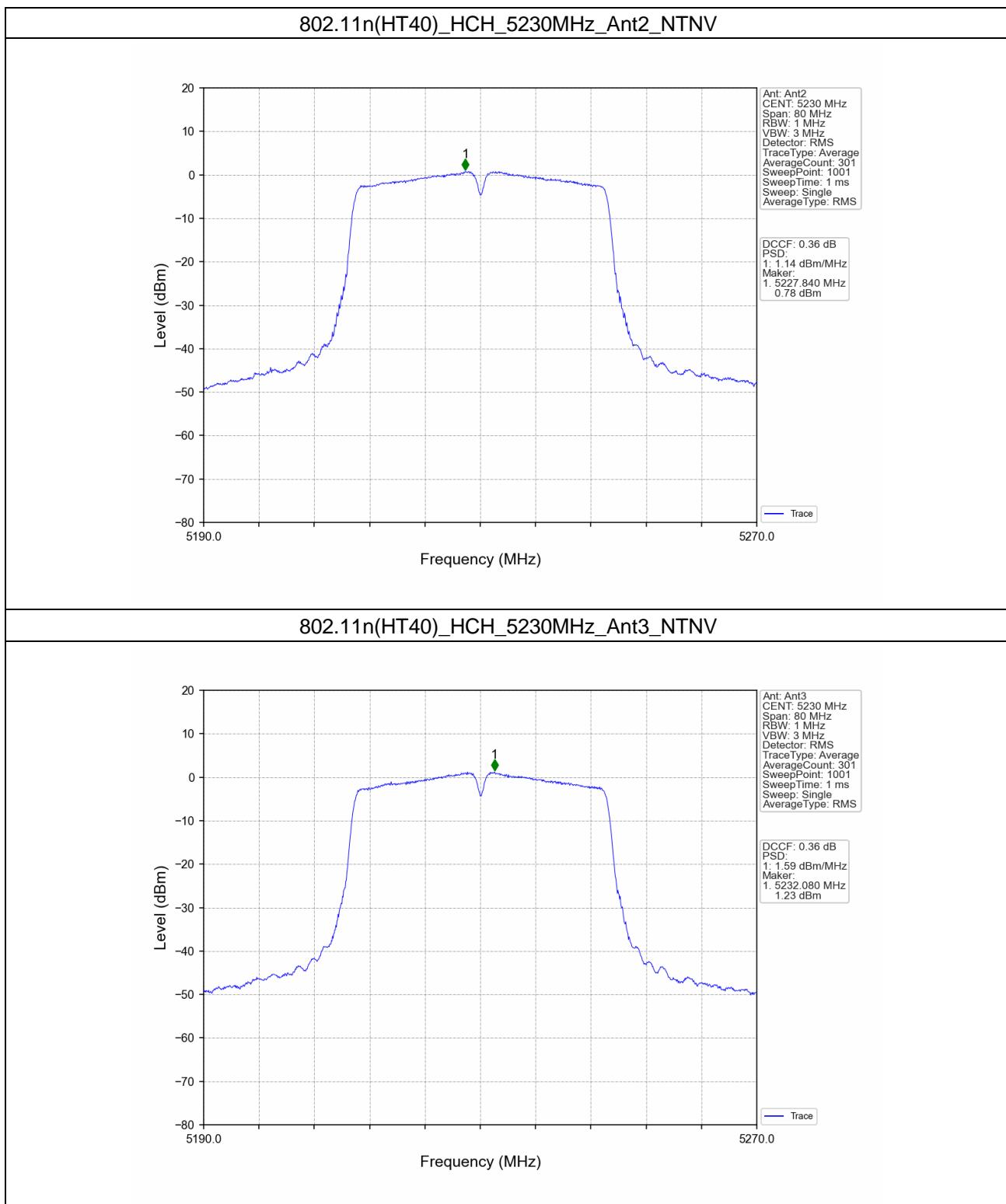
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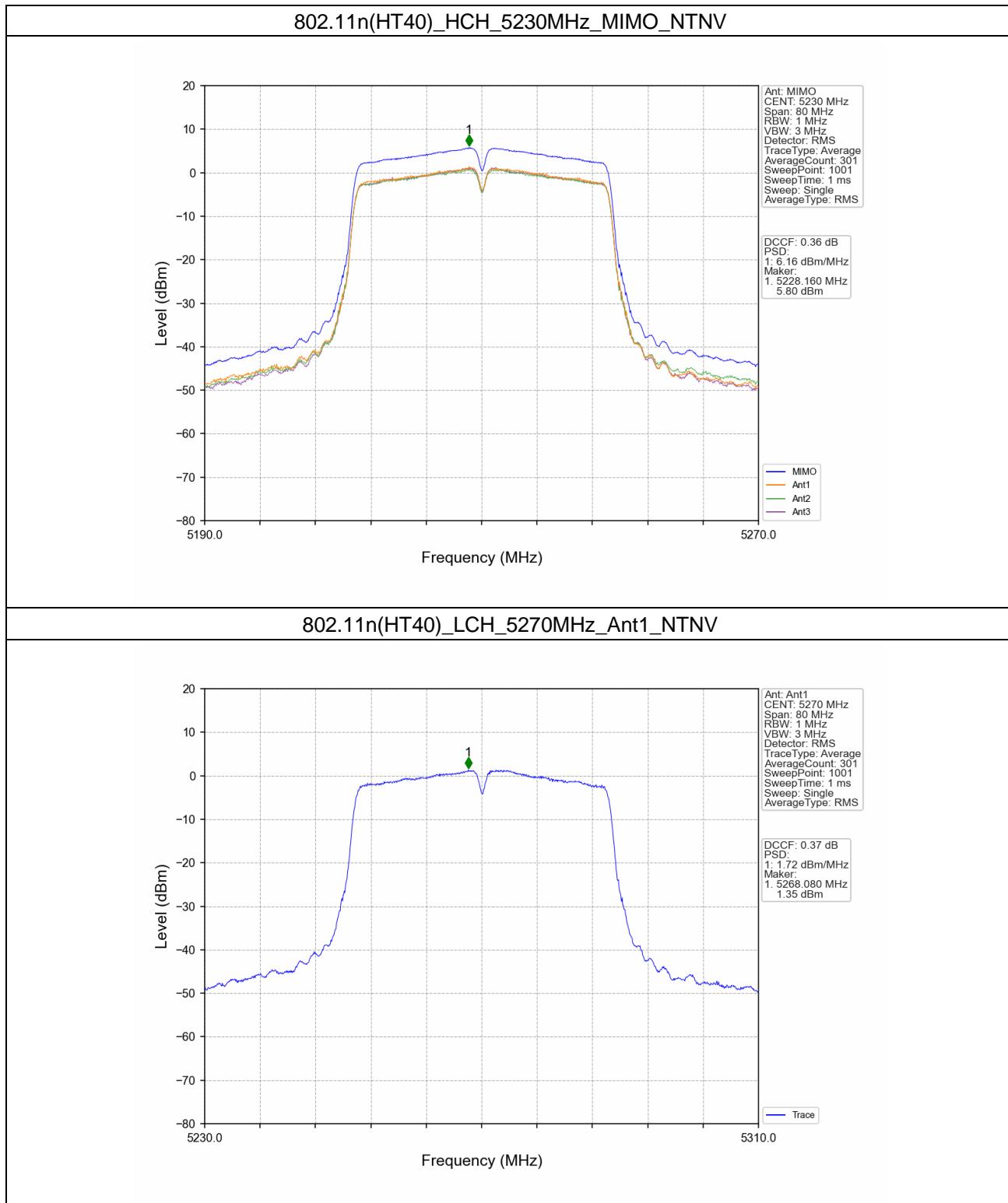
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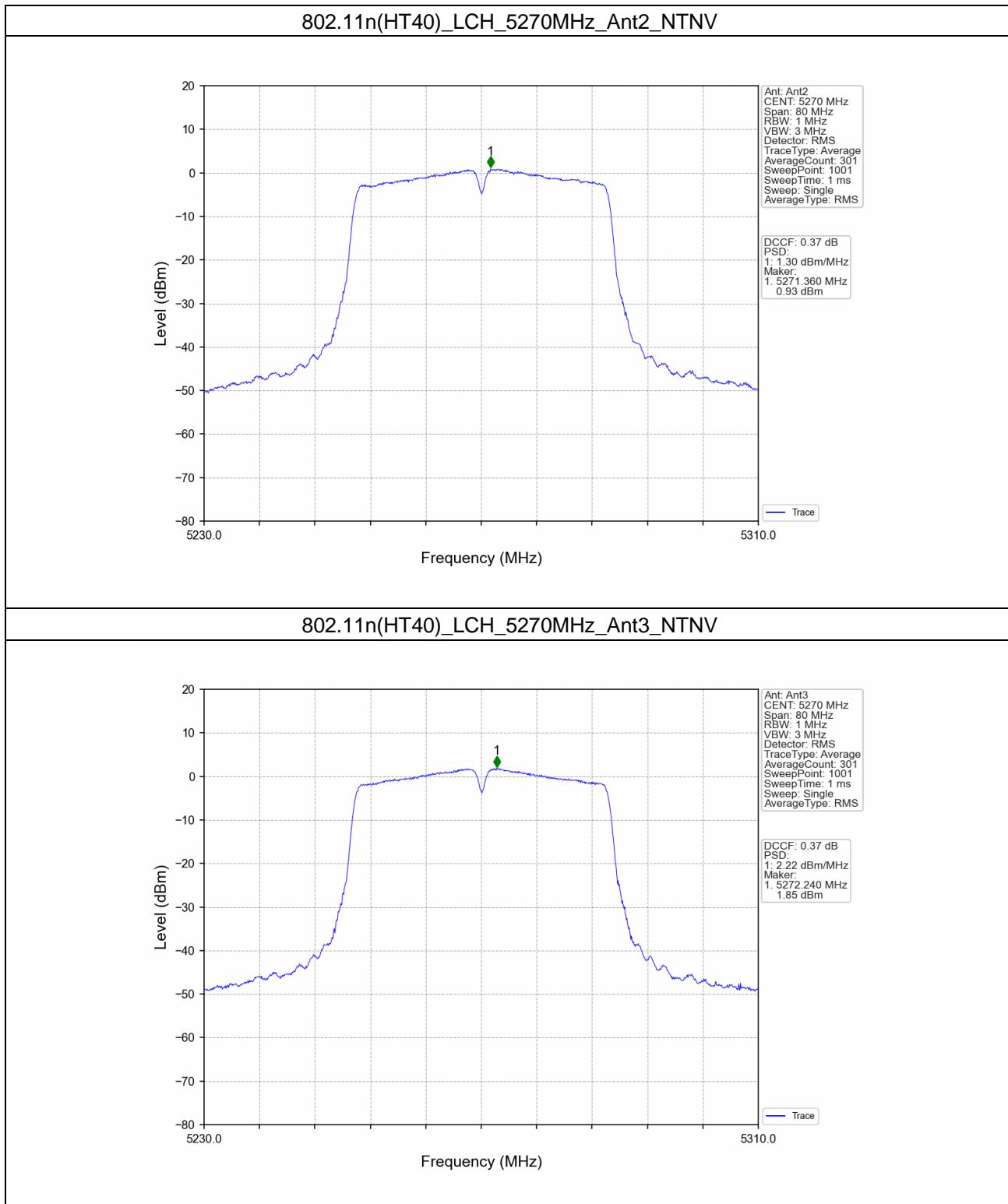
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