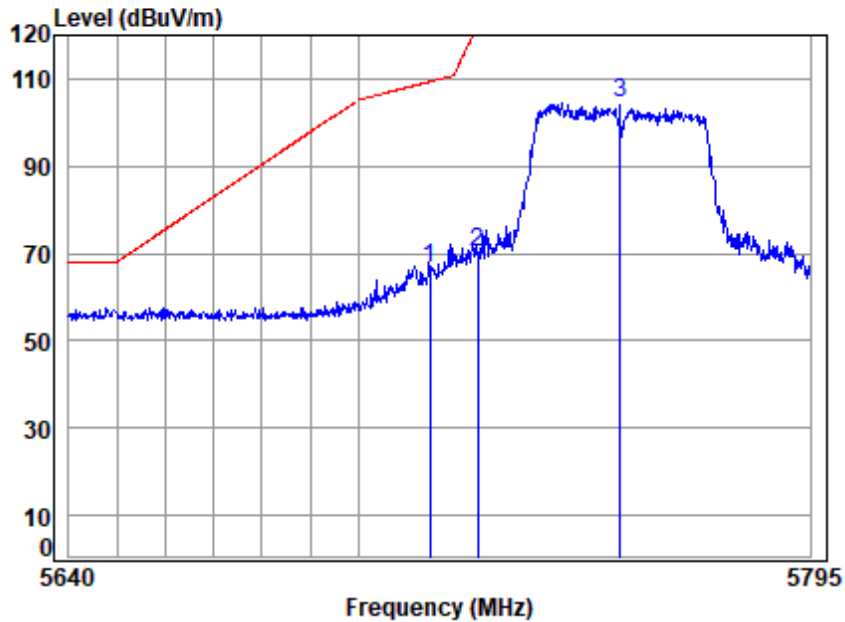


Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 03722AT/03723AT
 Mode : 5755 Band edge
 Note : 5G WIFI 11AC40

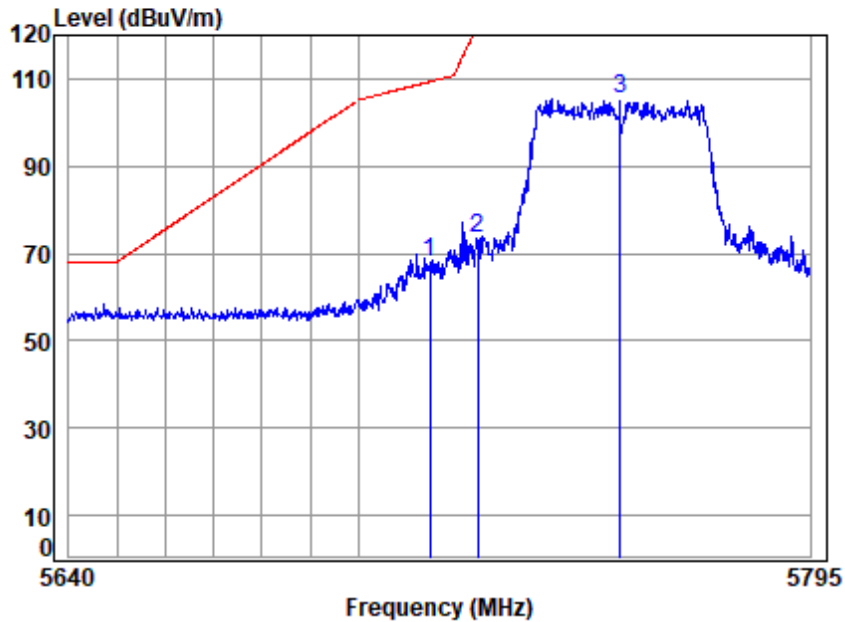
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.00	7.97	34.27	35.03	59.32	66.53	109.40	-42.87	peak
2	5725.00	7.98	34.25	35.03	63.04	70.24	122.20	-51.96	peak
3	5755.00	8.00	34.21	35.01	97.38	104.58	-----	-----	peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 03722AT/03723AT
 Mode : 5755 Band edge
 Note : 5G WIFI 11AC40

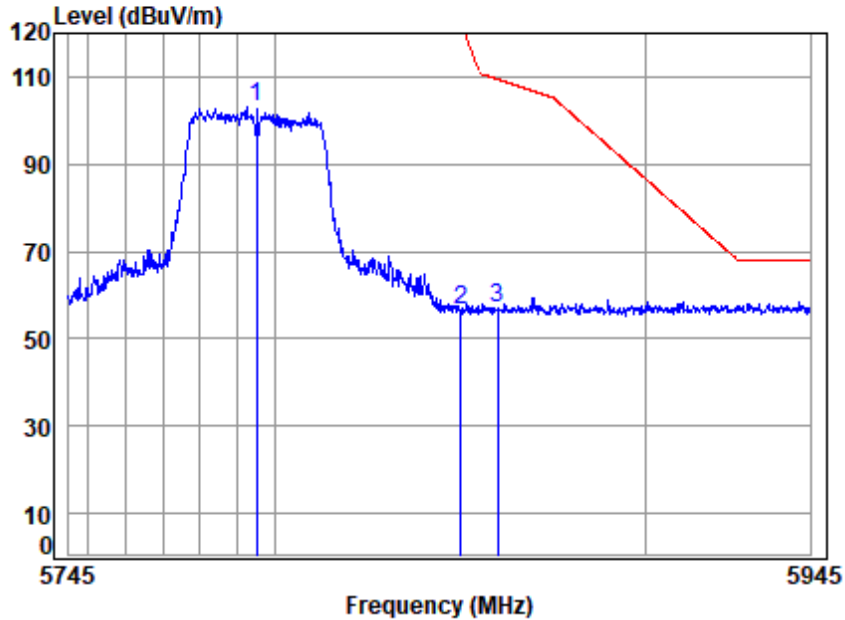
	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.00	7.97	34.27	35.03	60.75	67.96	109.40	-41.44	peak
2	5725.00	7.98	34.25	35.03	66.19	73.39	122.20	-48.81	peak
3	5755.00	8.00	34.21	35.01	98.40	105.60	-----	-----	peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



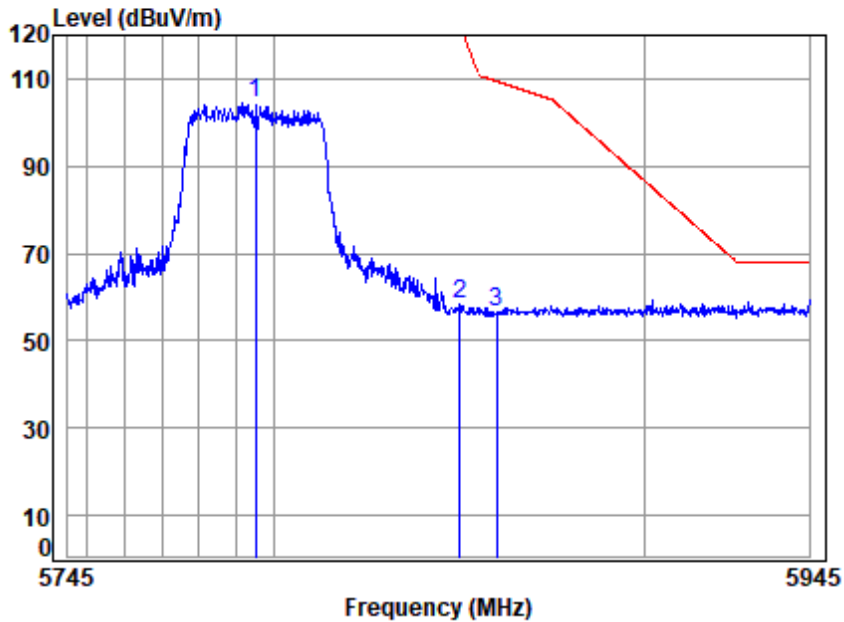
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 03722AT/03723AT
 Mode : 5795 Band edge
 Note : 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.00	8.03	34.29	34.99	95.65	102.98	-----	-----	peak
2	5850.00	8.07	34.40	34.97	49.27	56.77	122.20	-65.43	peak
3	5860.00	8.07	34.44	34.96	49.65	57.20	109.40	-52.20	peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



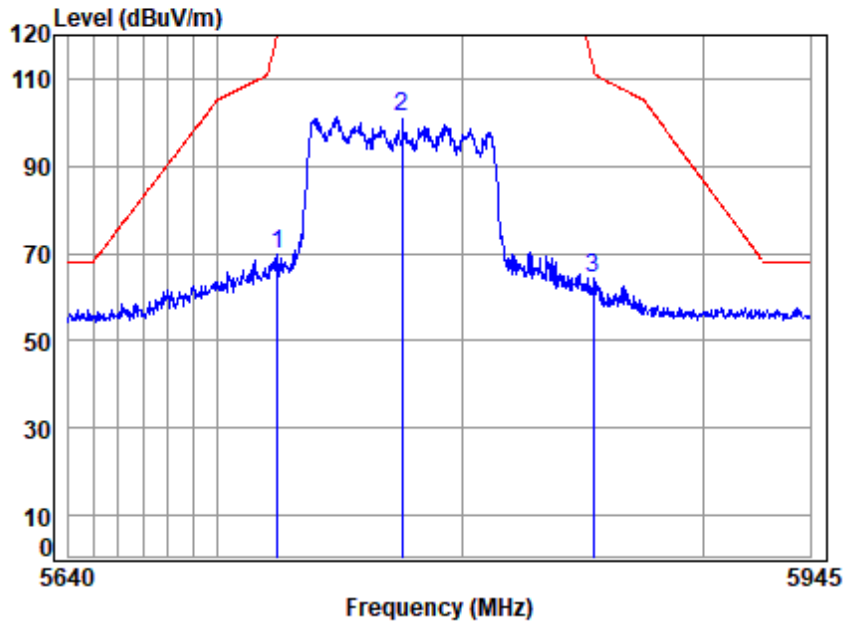
Site : chamber
 Condition: 3m VERTICAL
 Job No : 03722AT/03723AT
 Mode : 5795 Band edge
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.00	8.03	34.29	34.99	97.23	104.56	-----	-----	peak
2	5850.00	8.07	34.40	34.97	50.92	58.42	122.20	-63.78	peak
3	5860.00	8.07	34.44	34.96	49.09	56.64	109.40	-52.76	peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



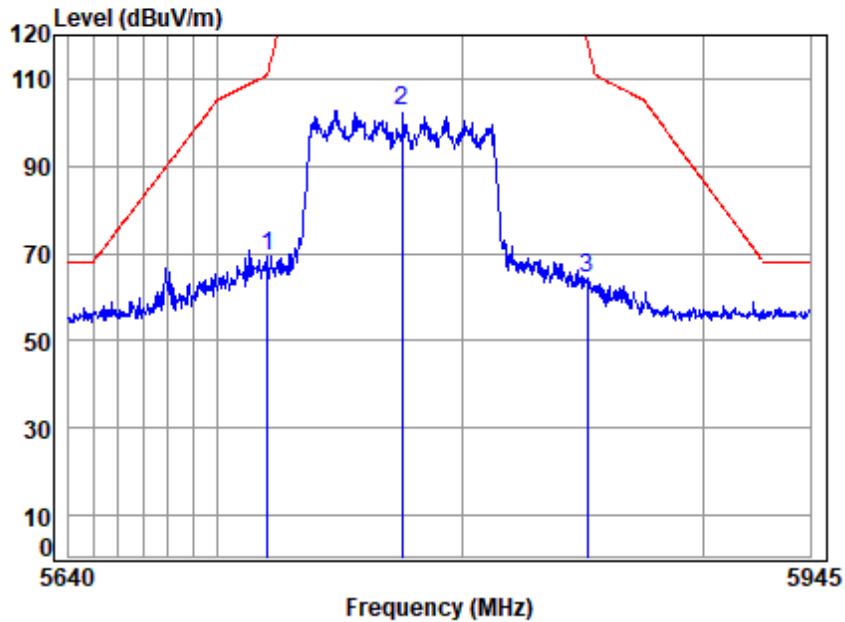
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 03722AT/03723AT
 Mode : 5775 Band edge
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.39	7.98	34.25	35.03	62.49	69.69	120.81	-51.12 peak
2	5775.00	8.01	34.25	35.00	94.01	101.27	-----	----- peak
3	5854.27	8.07	34.42	34.97	56.94	64.46	112.46	-48.00 peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 03722AT/03723AT
 Mode : 5775 Band edge
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5720.17	7.98	34.26	35.03	62.13	69.34	111.19	-41.85 peak
2	5775.00	8.01	34.25	35.00	95.45	102.71	-----	----- peak
3	5851.81	8.07	34.41	34.97	56.95	64.46	118.08	-53.62 peak



7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
 Test Method: ANSI C63.10 (2013) Section 6.8

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 47.8 % RH Atmospheric Pressure: 1000 mbar

7.11.2 Test Mode Description

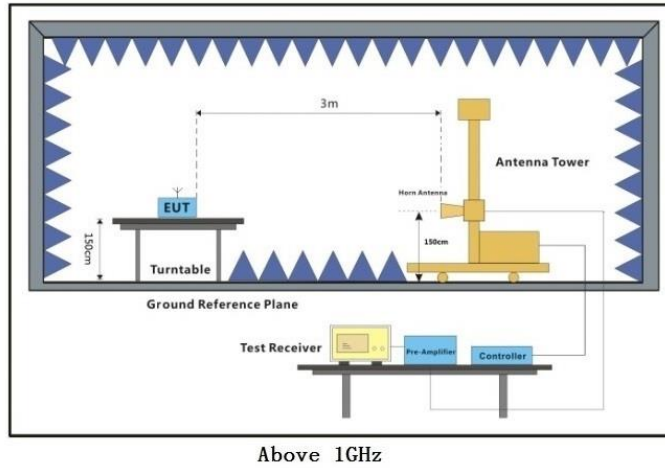
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.12 Non-occupancy period

Test Requirement KDB 905462 D02 Section 5.1
 Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



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7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C

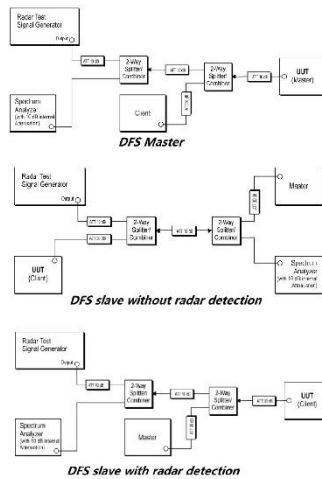
Humidity: 47.8 % RH

Atmospheric Pressure: 1000 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Normal operating_Keep the EUT communication with the companion device.

7.12.3 Test Setup Diagram



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7.12.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



7.13 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
 Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.13.1 E.U.T. Operation

Operating Environment:
 Temperature: 23.4 °C Humidity: 47.8 % RH Atmospheric Pressure: 1000 mbar



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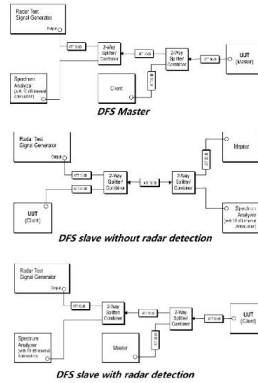
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7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Normal operating_Keep the EUT communication with the companion device.

7.13.3 Test Setup Diagram



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7.13.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



7.14 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1
 Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.14.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 47.8 % RH Atmospheric Pressure: 1000 mbar

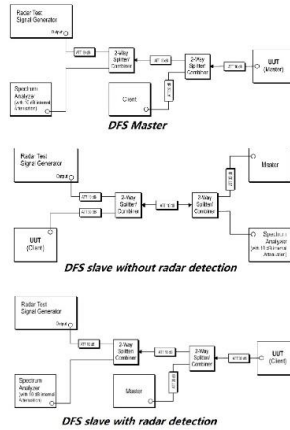


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7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	Normal operating_Keep the EUT communication with the companion device.

7.14.3 Test Setup Diagram



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7.14.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Setup Photo for SZCR2311003722AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2311003722AT



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10 Appendix

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.360	2.363	57.55	2.40	0.03
		5200	1.360	2.364	57.53	2.40	0.03
		5240	1.360	2.363	57.55	2.40	0.03
		5260	1.360	2.363	57.55	2.40	0.03
		5300	1.361	2.364	57.57	2.40	0.02
		5320	1.360	2.363	57.55	2.40	0.03
		5500	1.360	2.364	57.53	2.40	0.03
		5580	1.361	2.364	57.57	2.40	0.02
		5700	1.360	2.363	57.55	2.40	0.03
		5745	1.360	2.363	57.55	2.40	0.03
		5785	1.361	2.364	57.57	2.40	0.02
802.11n (HT20)	SISO	5180	1.273	2.276	55.93	2.52	0.02
		5200	1.272	2.275	55.91	2.52	0.04
		5240	1.272	2.275	55.91	2.52	0.04
		5260	1.272	2.275	55.91	2.52	0.04
		5300	1.272	2.275	55.91	2.52	0.04
		5320	1.272	2.276	55.89	2.53	0.04
		5500	1.272	2.275	55.91	2.52	0.04
		5580	1.272	2.275	55.91	2.52	0.04
		5700	1.272	2.276	55.89	2.53	0.04
		5745	1.272	2.275	55.91	2.52	0.04
		5785	1.272	2.275	55.91	2.52	0.04
802.11n (HT40)	SISO	5190	0.632	1.635	38.65	4.13	0.02
		5230	0.633	1.636	38.69	4.12	0.03
		5270	0.632	1.635	38.65	4.13	0.03
		5310	0.632	1.635	38.65	4.13	0.03



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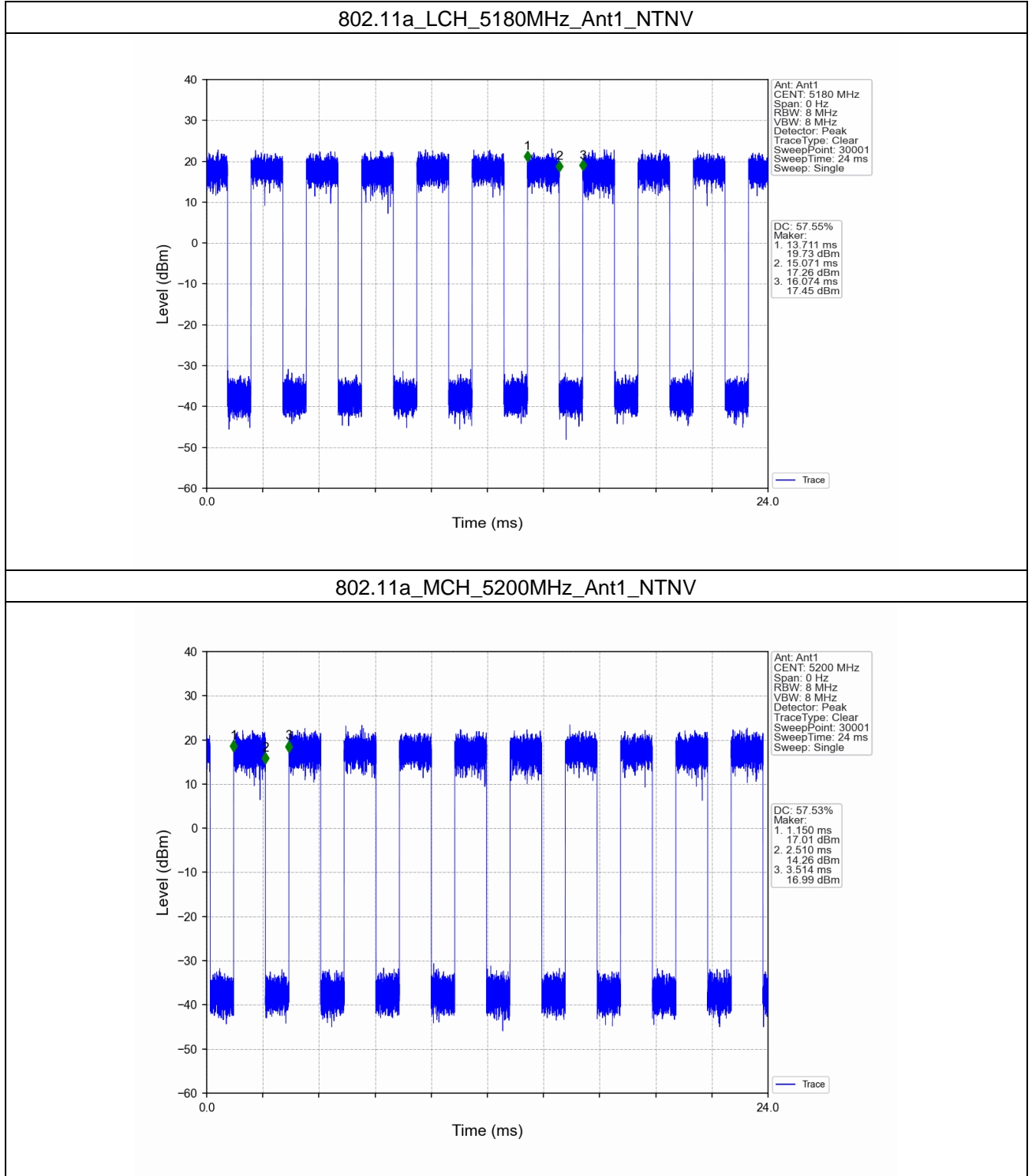
		5510	0.632	1.635	38.65	4.13	0.03
		5550	0.632	1.635	38.65	4.13	0.03
		5670	0.632	1.635	38.65	4.13	0.03
		5755	0.632	1.635	38.65	4.13	0.03
		5795	0.632	1.635	38.65	4.13	0.03
802.11ac (VHT20)	SISO	5180	1.273	2.276	55.93	2.52	0.02
		5200	1.276	2.279	55.99	2.52	0.04
		5240	1.276	2.280	55.96	2.52	0.02
		5260	1.276	2.279	55.99	2.52	0.04
		5300	1.276	2.279	55.99	2.52	0.04
		5320	1.276	2.279	55.99	2.52	0.04
		5500	1.276	2.279	55.99	2.52	0.04
		5580	1.276	2.279	55.99	2.52	0.04
		5700	1.277	2.280	56.01	2.52	0.02
		5745	1.276	2.279	55.99	2.52	0.04
		5785	1.276	2.279	55.99	2.52	0.04
		5825	1.276	2.279	55.99	2.52	0.04
802.11ac (VHT40)	SISO	5190	0.632	1.635	38.65	4.13	0.03
		5230	0.633	1.636	38.69	4.12	0.02
		5270	0.636	1.639	38.80	4.11	0.03
		5310	0.636	1.639	38.80	4.11	0.03
		5510	0.636	1.639	38.80	4.11	0.03
		5550	0.636	1.639	38.80	4.11	0.03
		5670	0.636	1.639	38.80	4.11	0.03
		5755	0.636	1.639	38.80	4.11	0.03
		5795	0.637	1.640	38.84	4.11	0.03
802.11ac (VHT80)	SISO	5210	0.317	1.320	24.02	6.20	0.03
		5290	0.317	1.319	24.03	6.19	0.02
		5530	0.316	1.319	23.96	6.21	0.03
		5610	0.316	1.319	23.96	6.21	0.01
		5775	0.316	1.319	23.96	6.21	0.01



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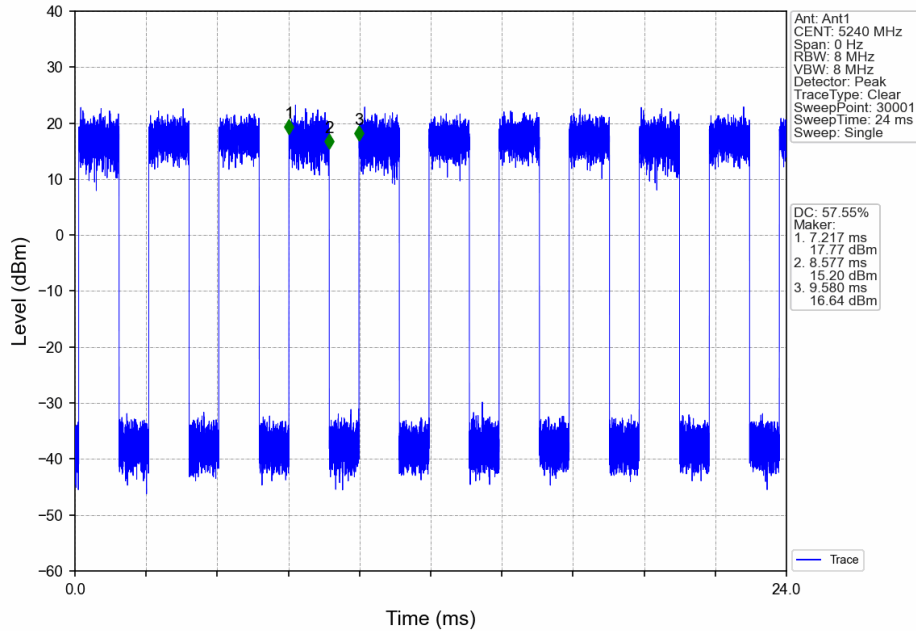
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1.1.2 Test Graph

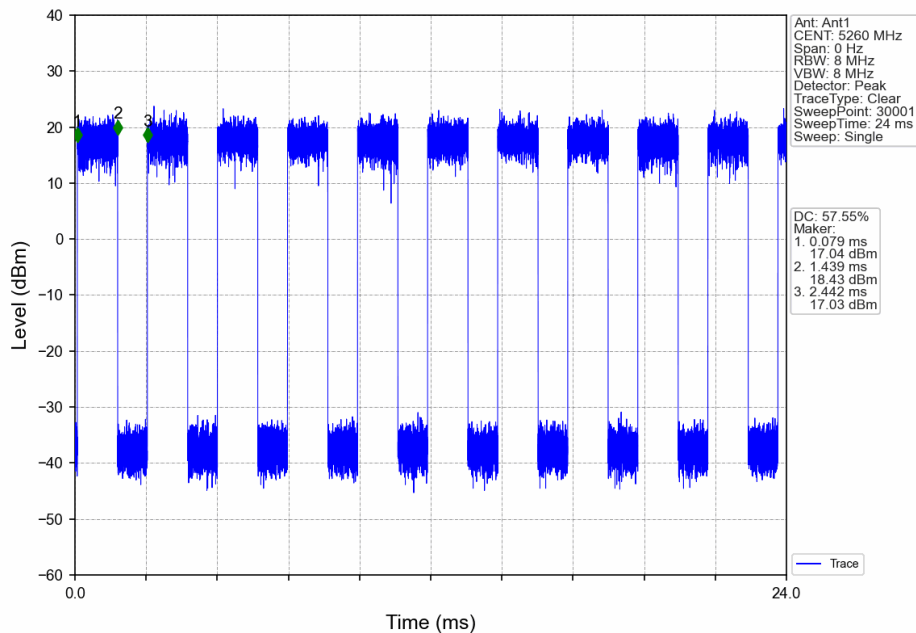


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802.11a_HCH_5240MHz_Ant1_NTNV

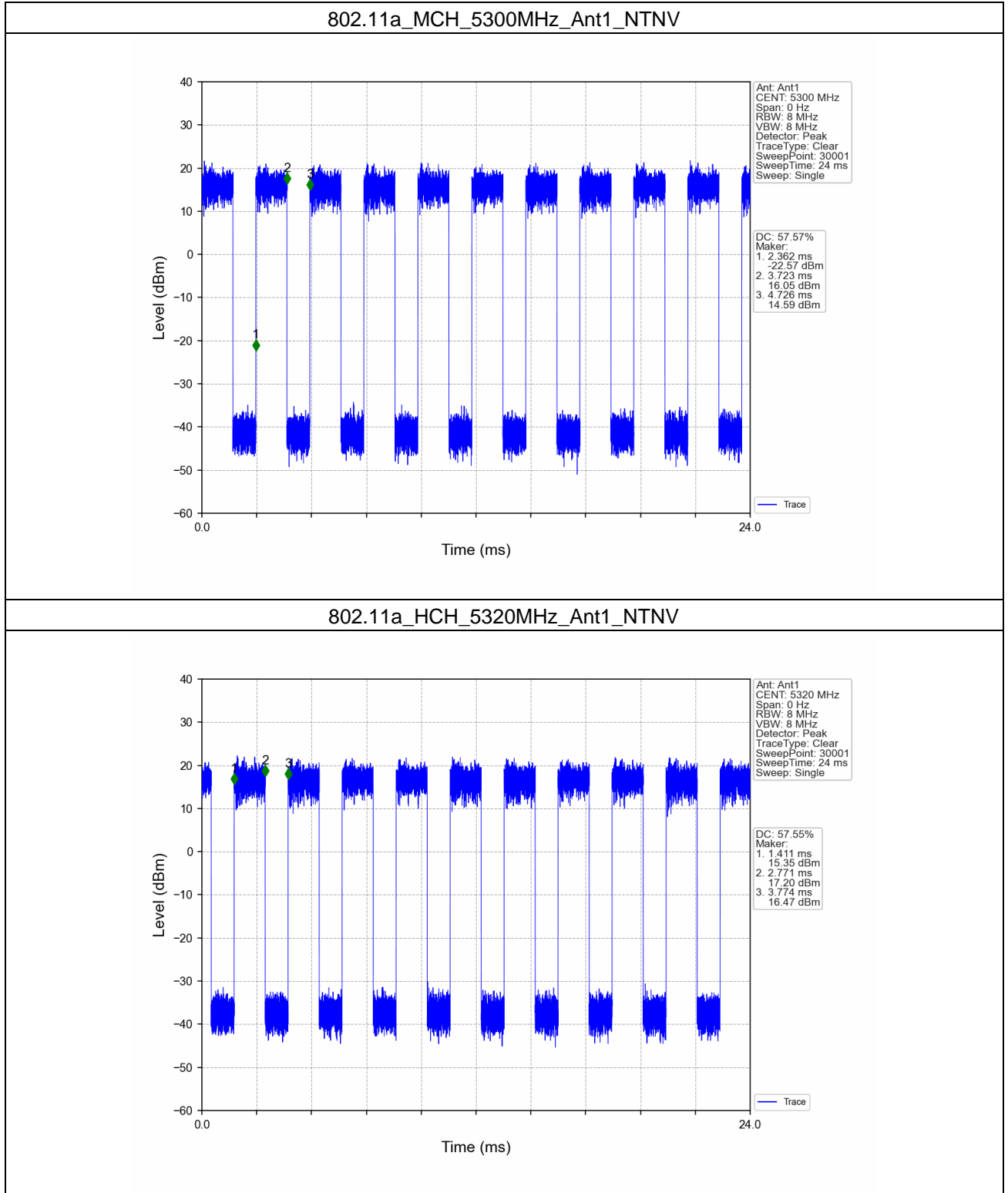


802.11a_LCH_5260MHz_Ant1_NTNV



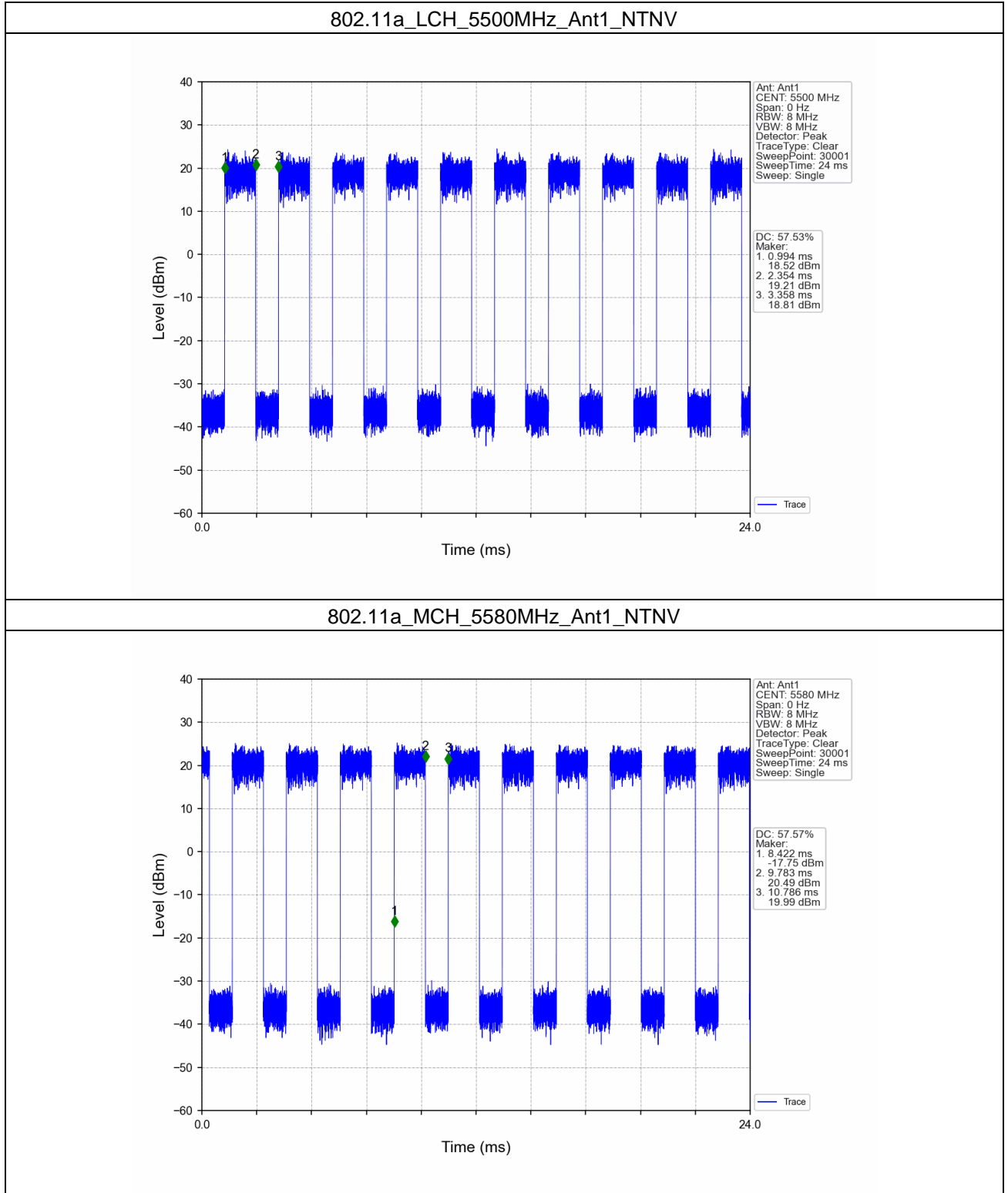
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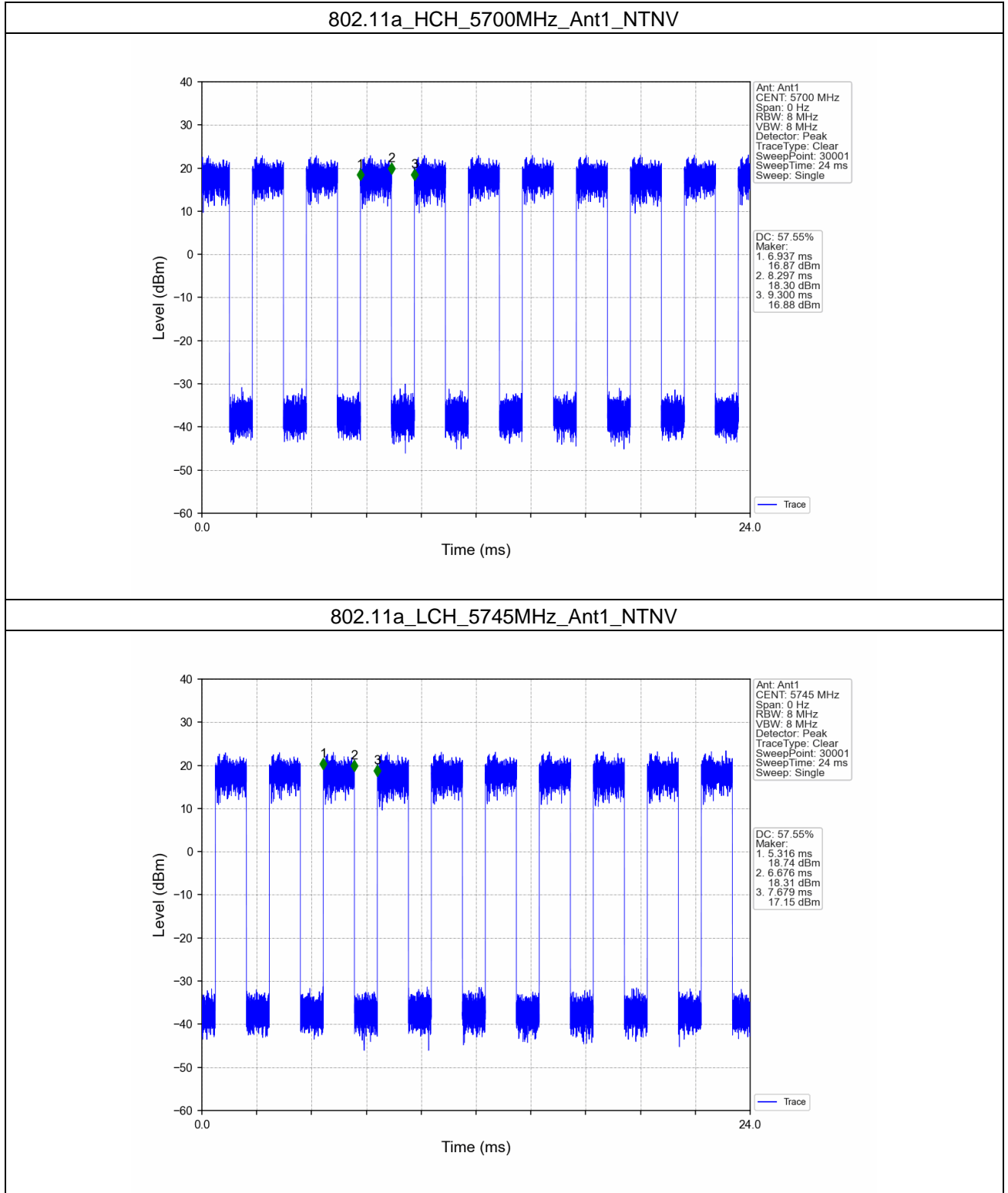


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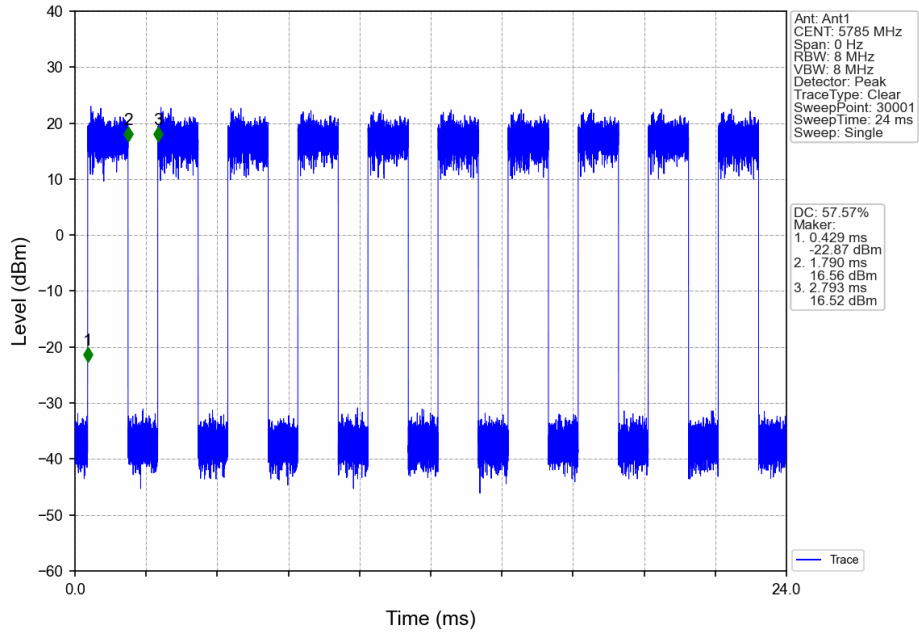


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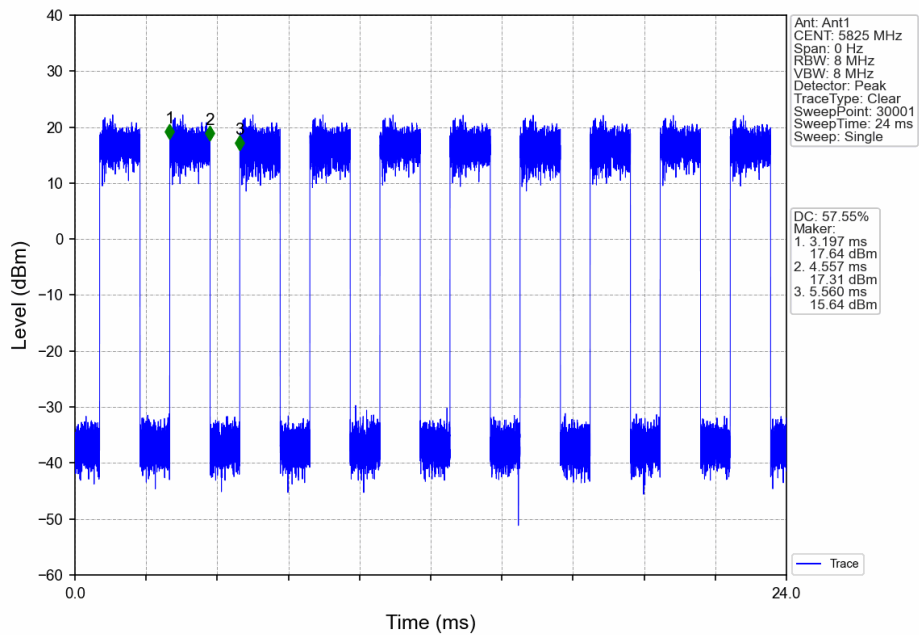


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802.11a_MCH_5785MHz_Ant1_NTNV

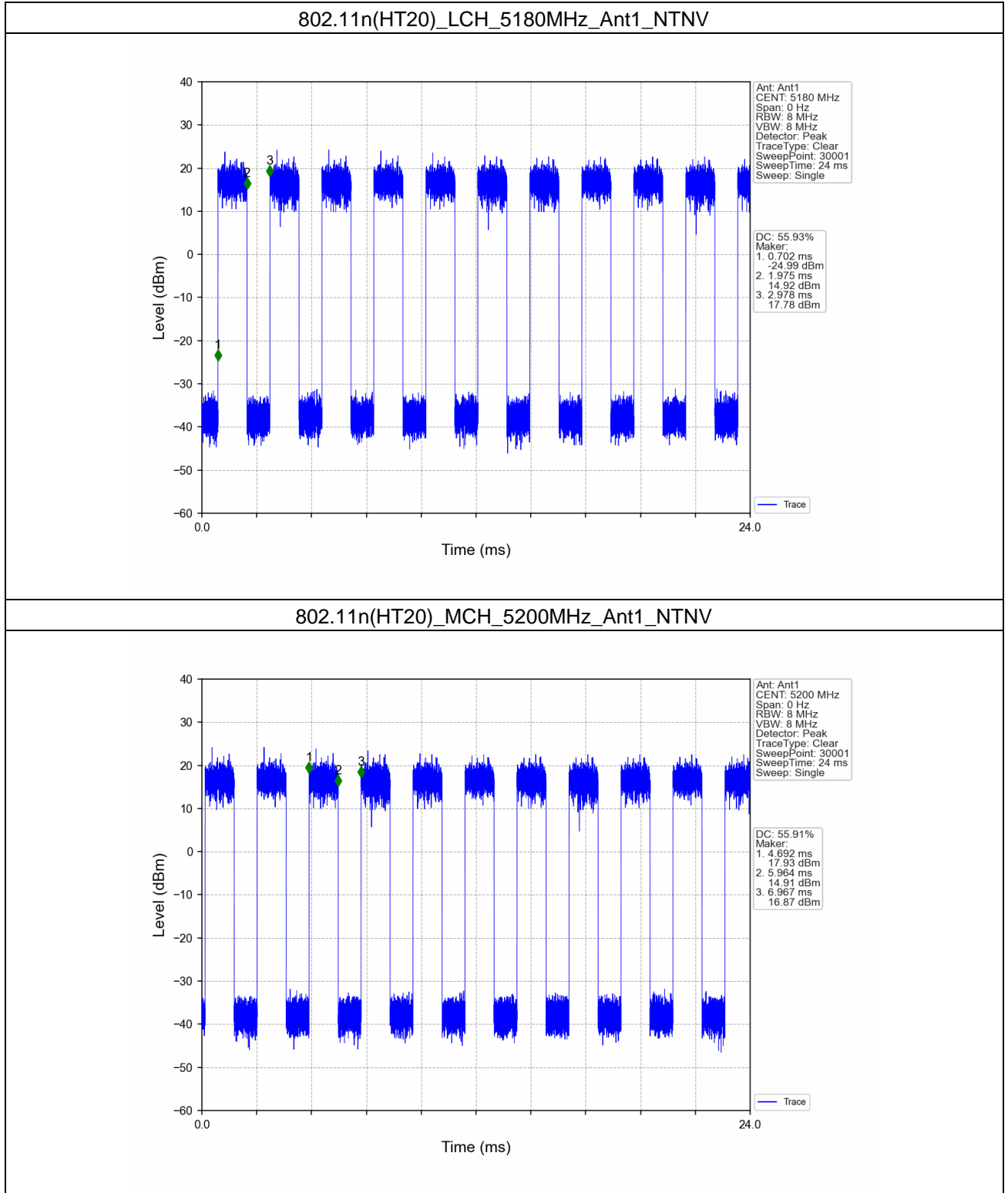


802.11a_HCH_5825MHz_Ant1_NTNV



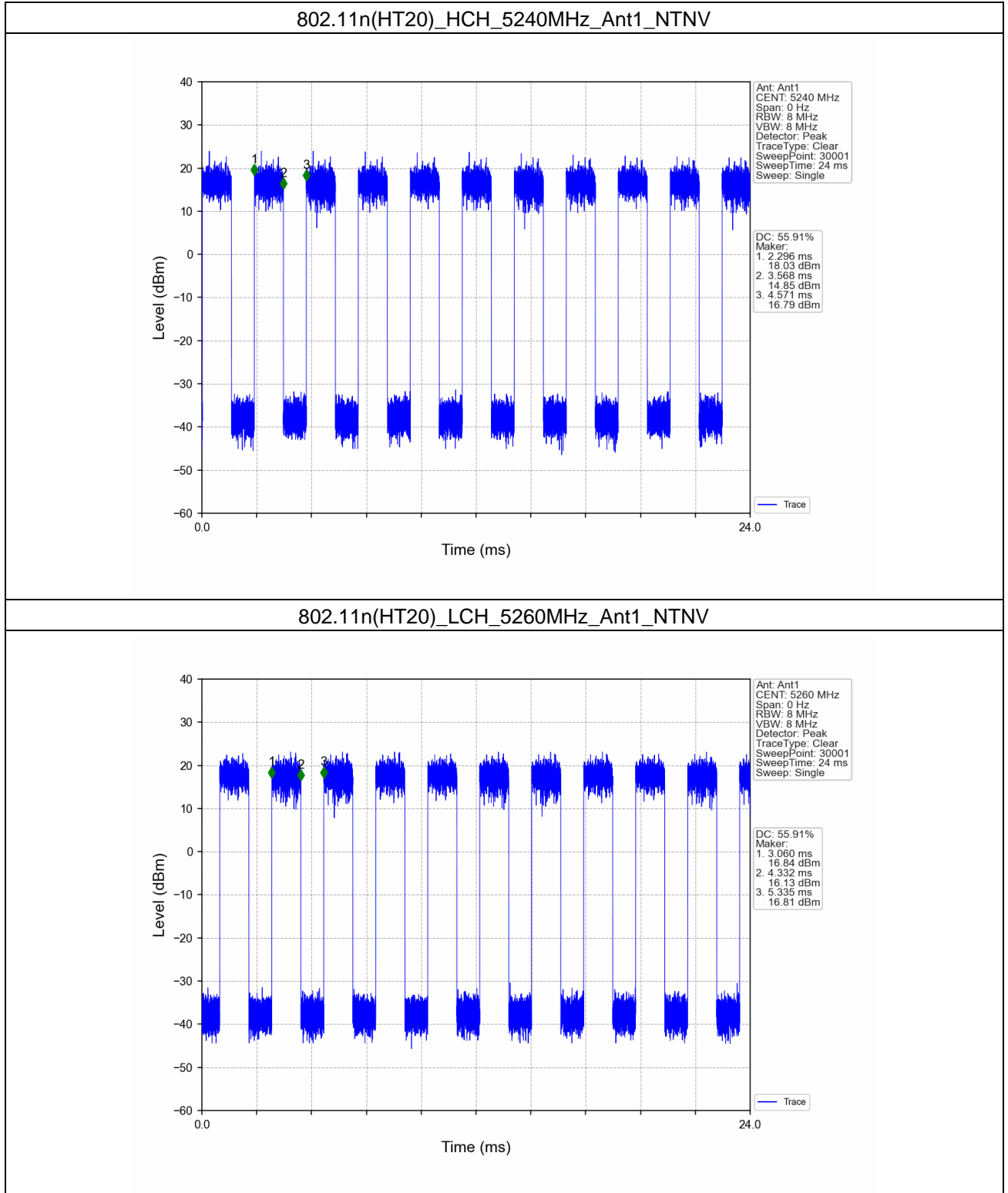
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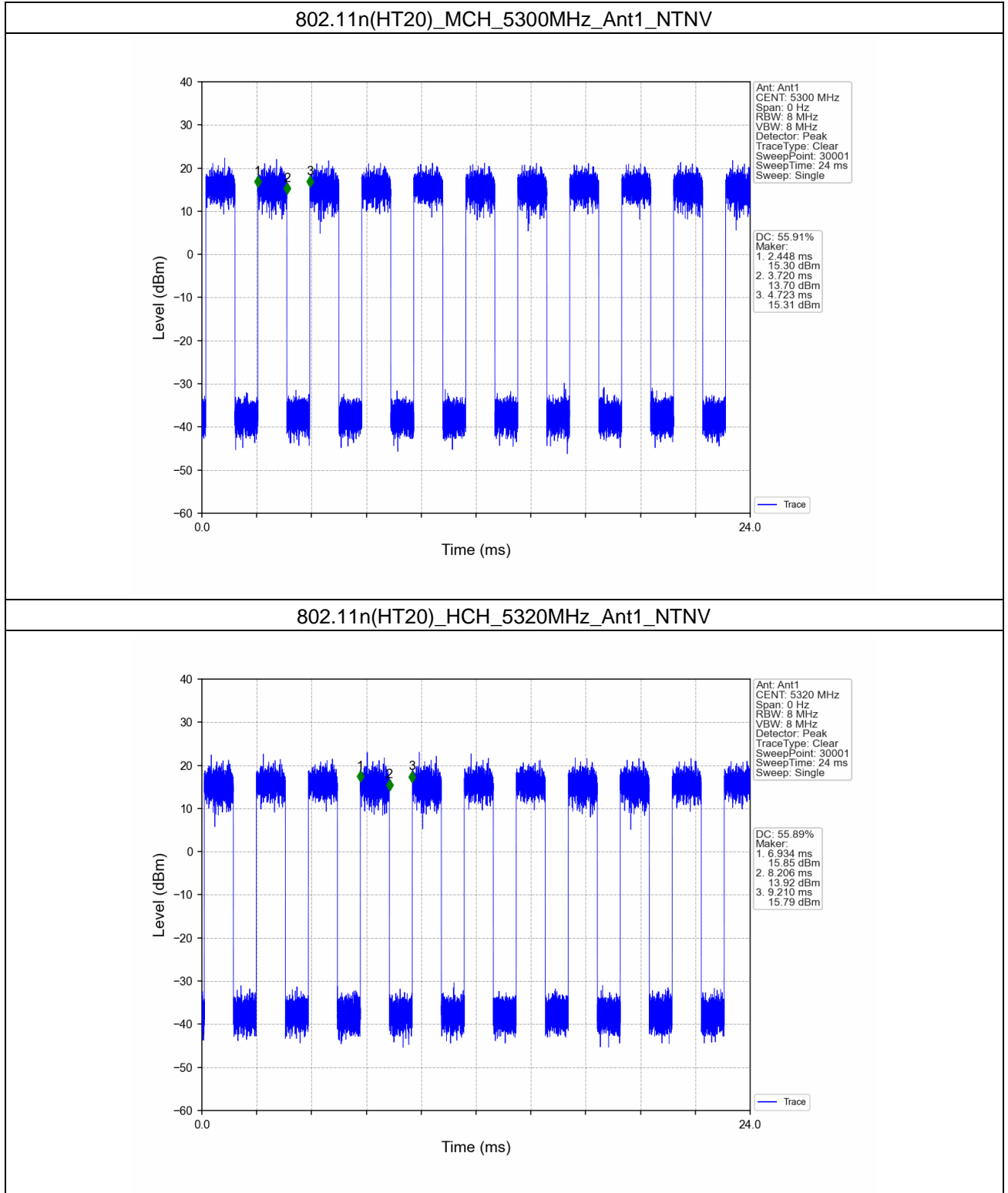


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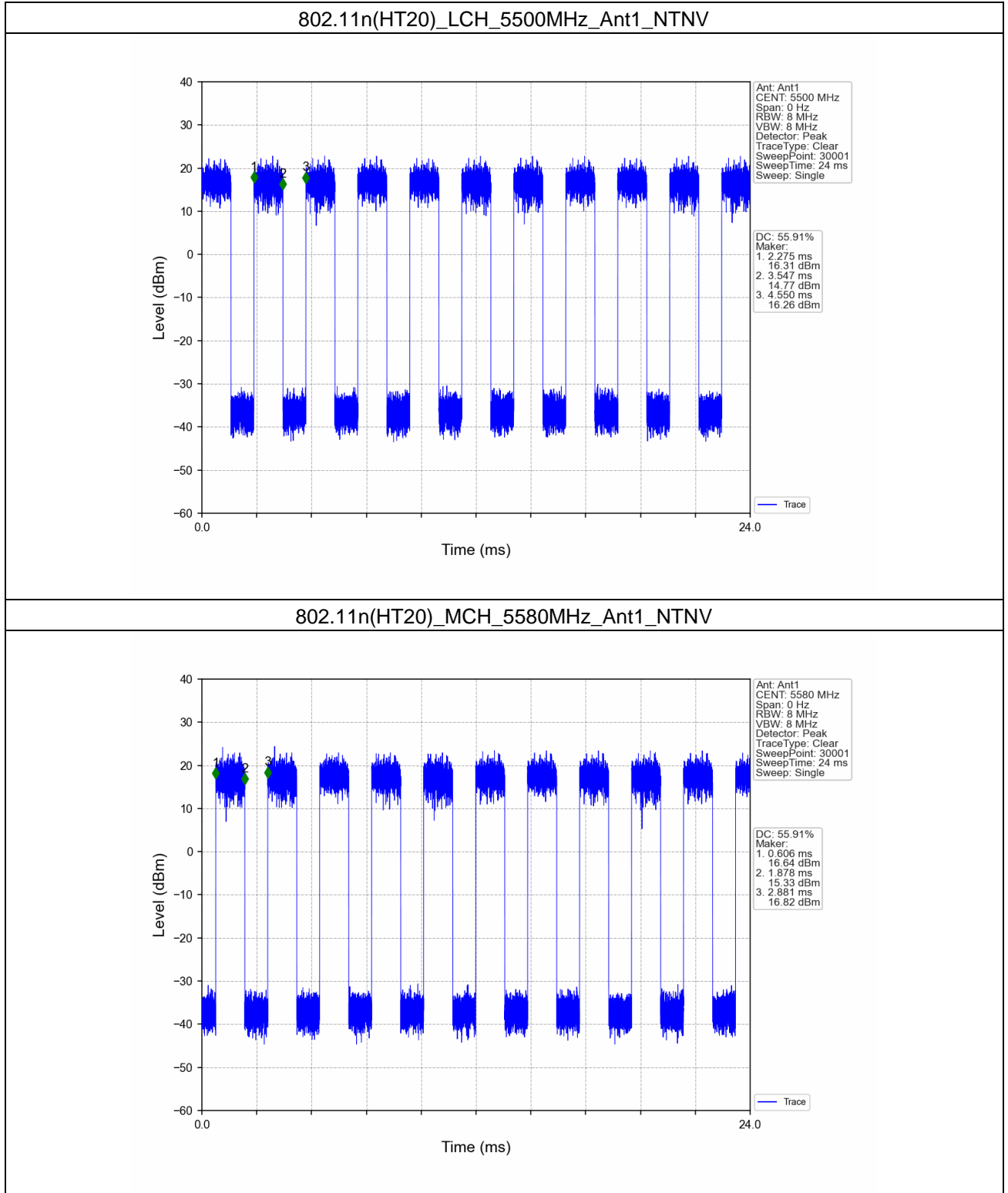


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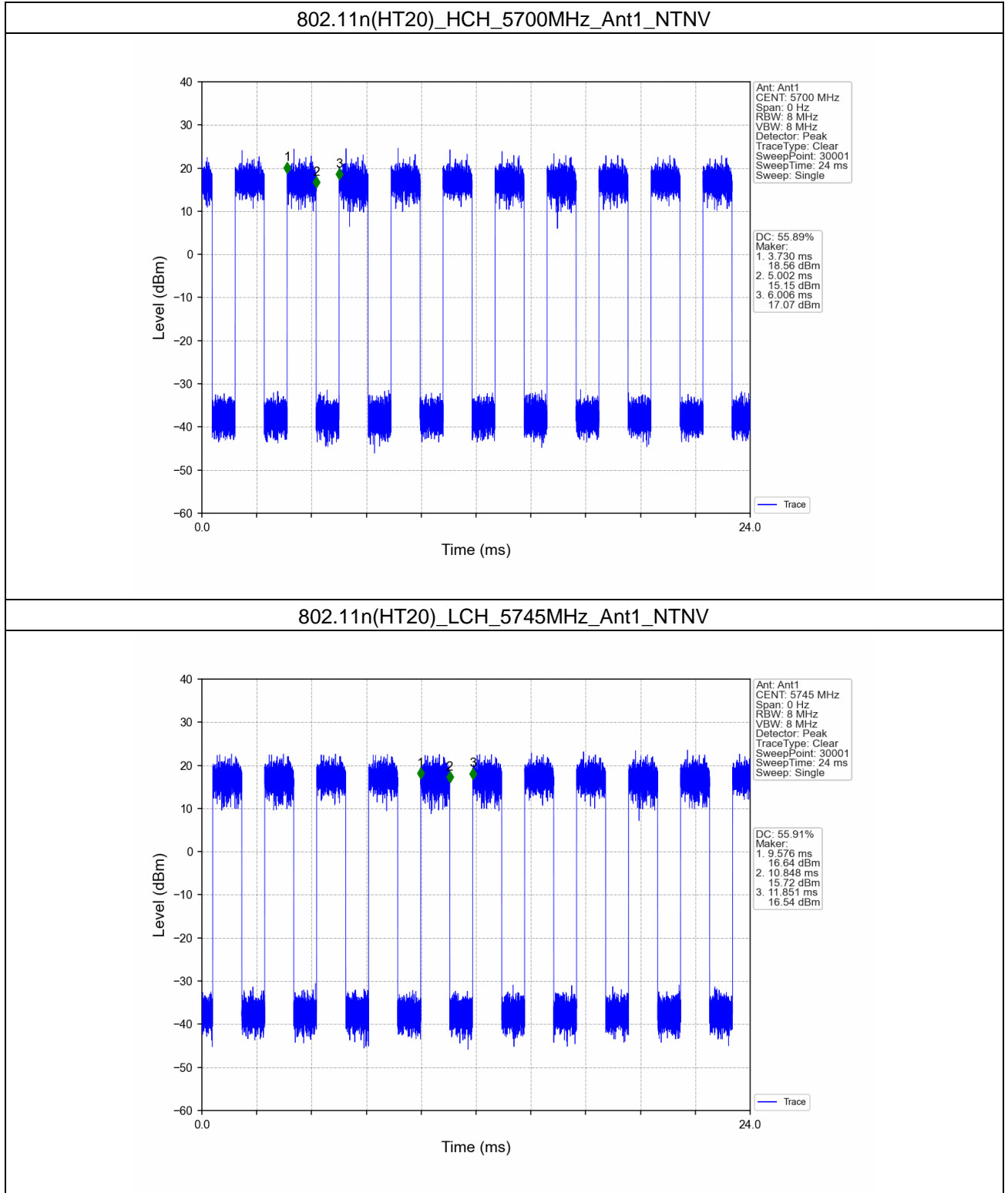


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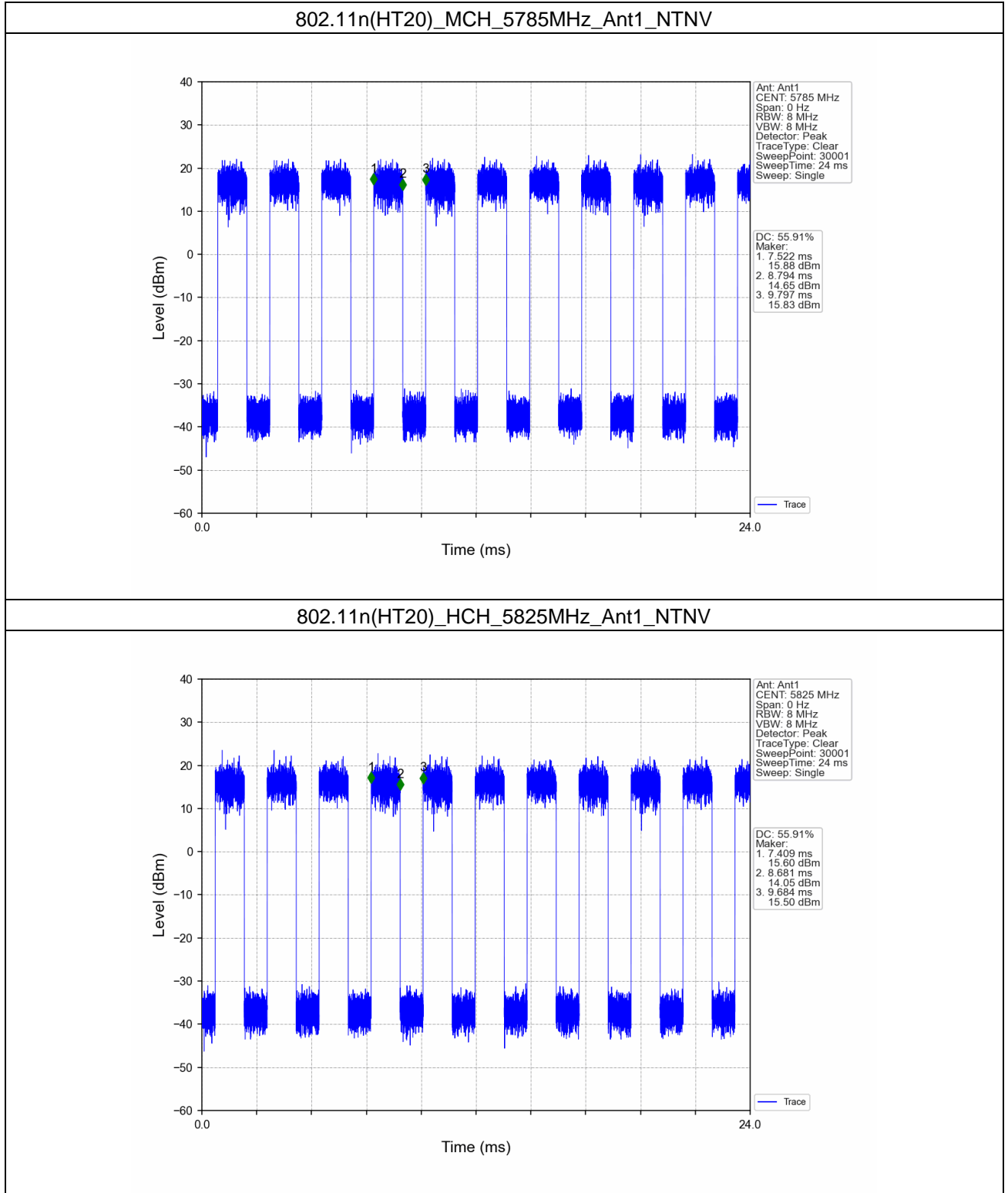


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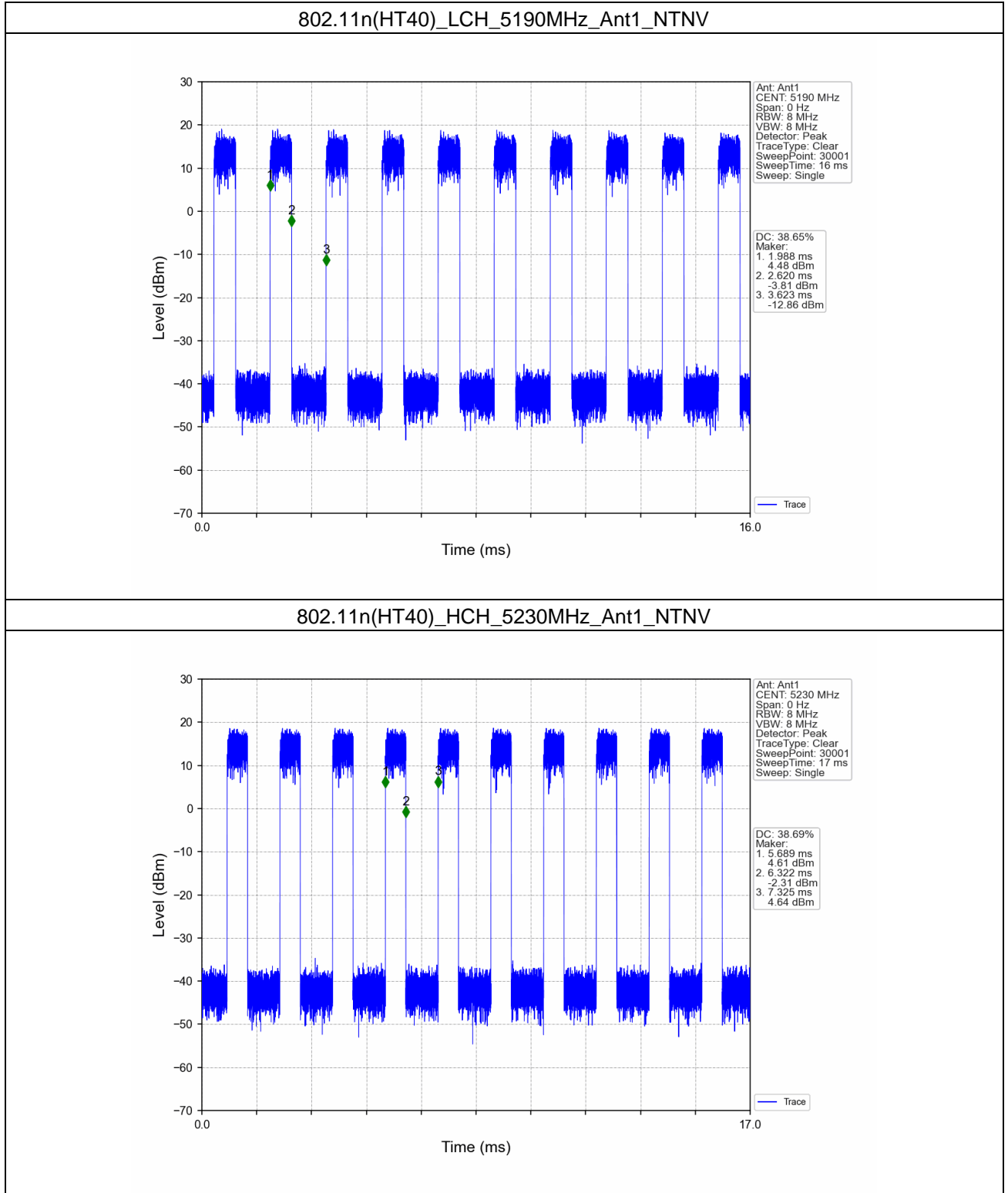


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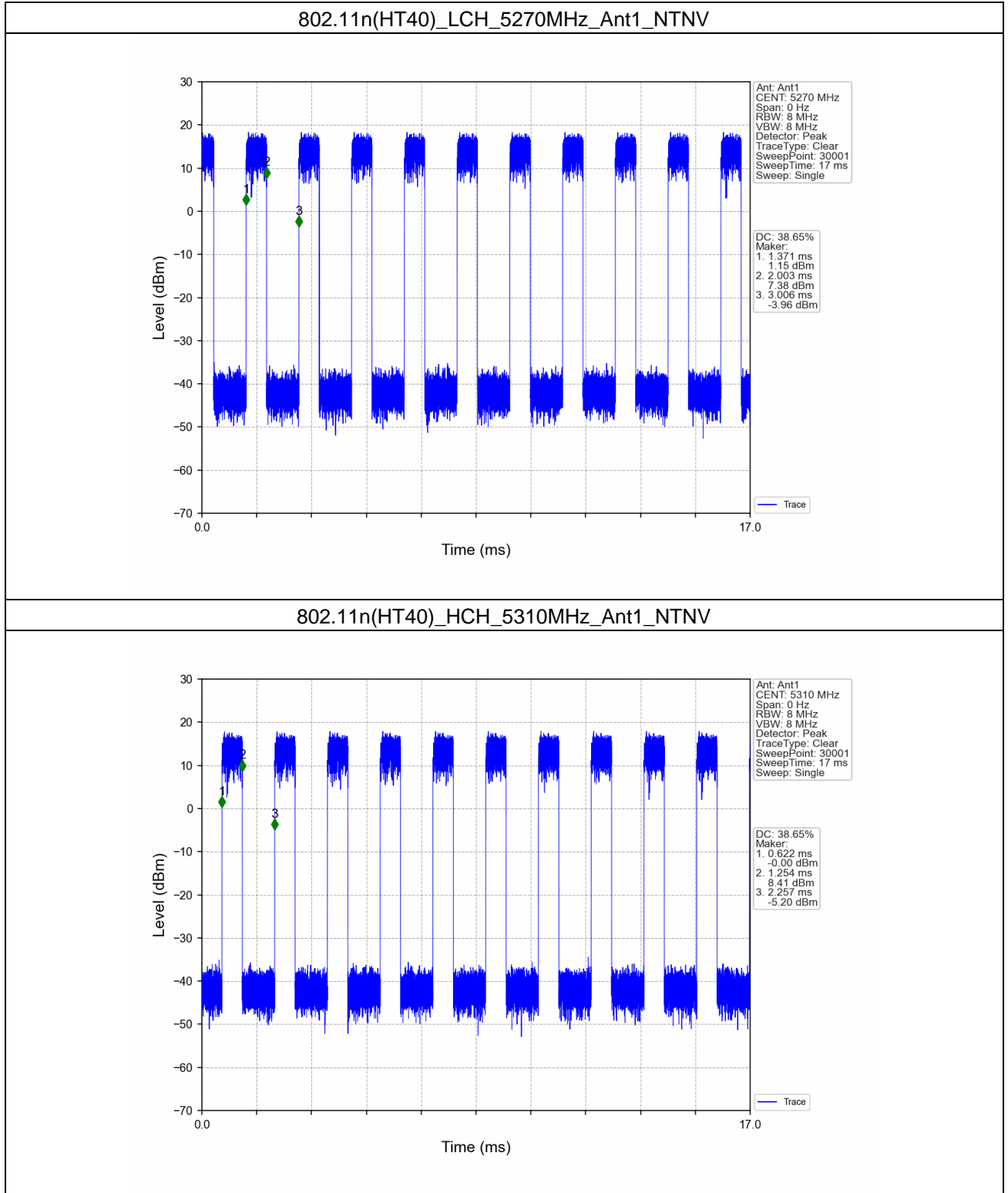
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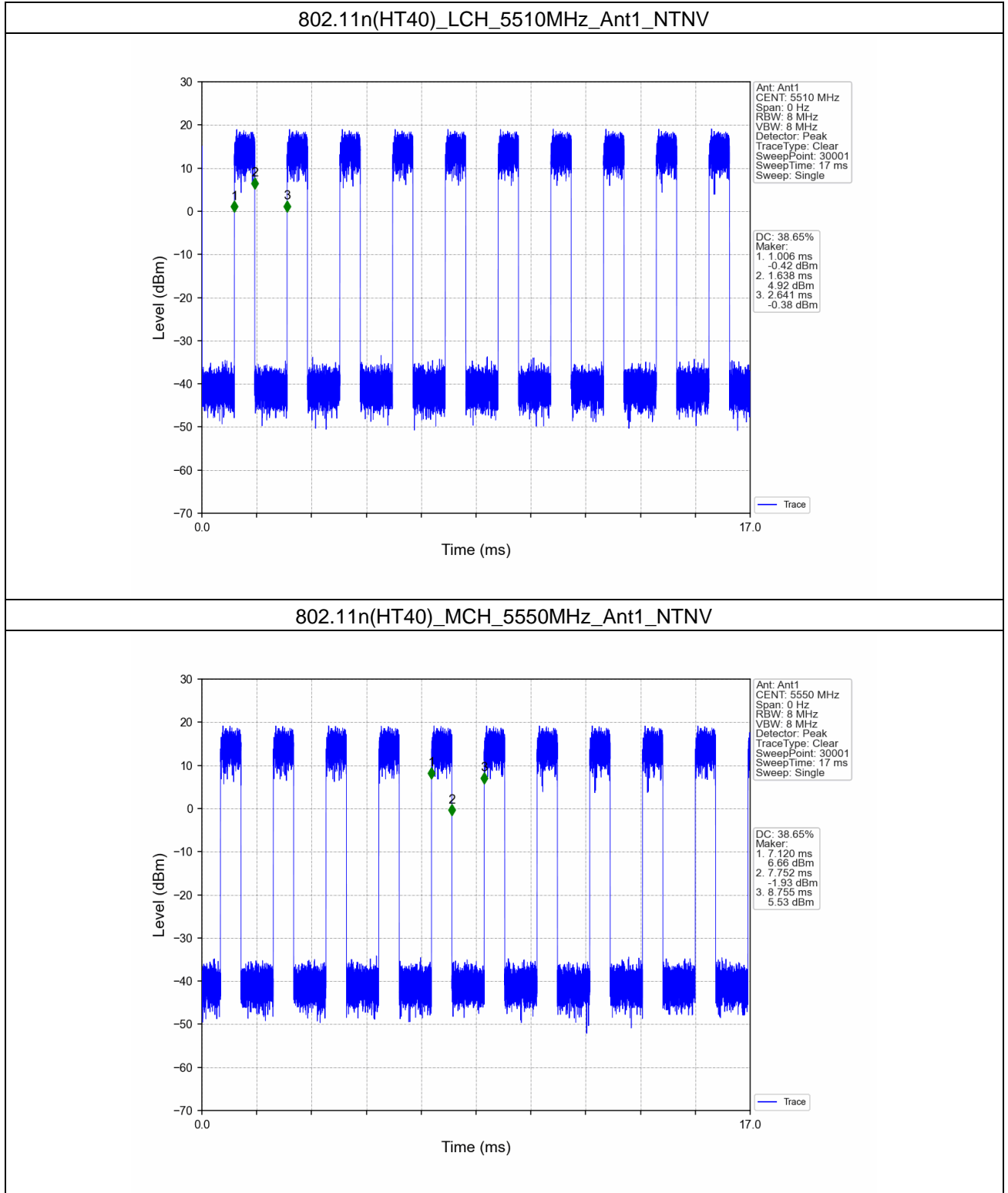
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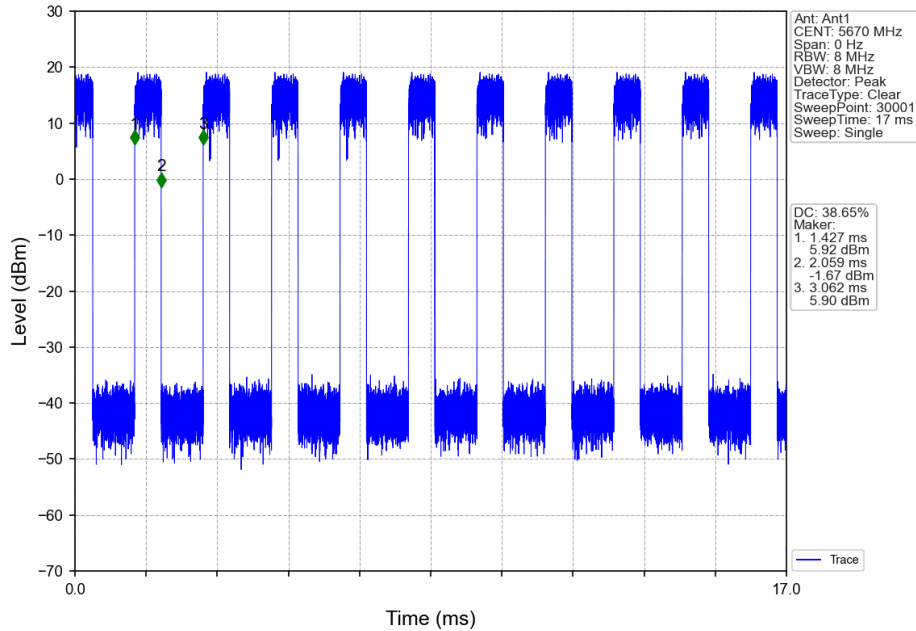


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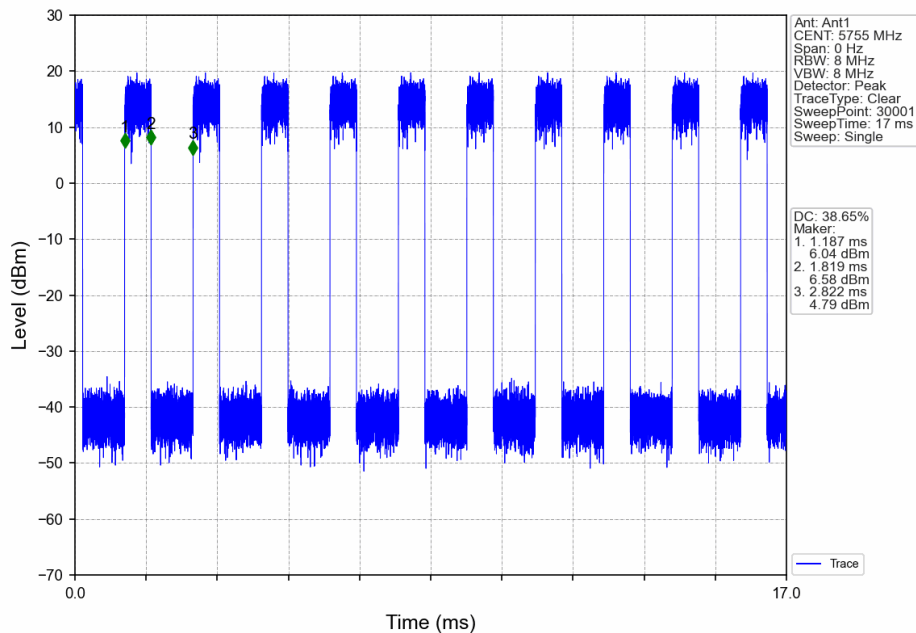


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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV

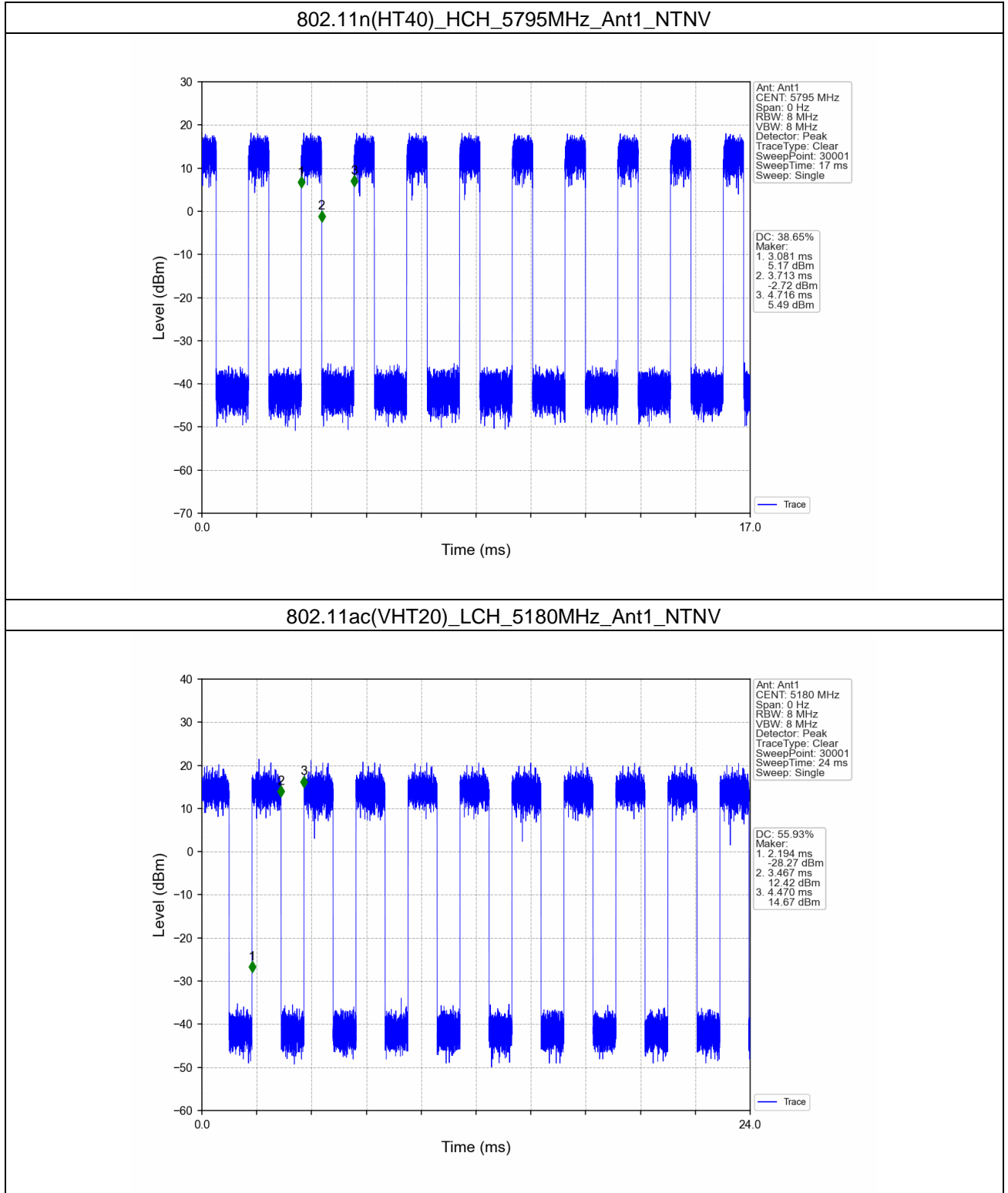


802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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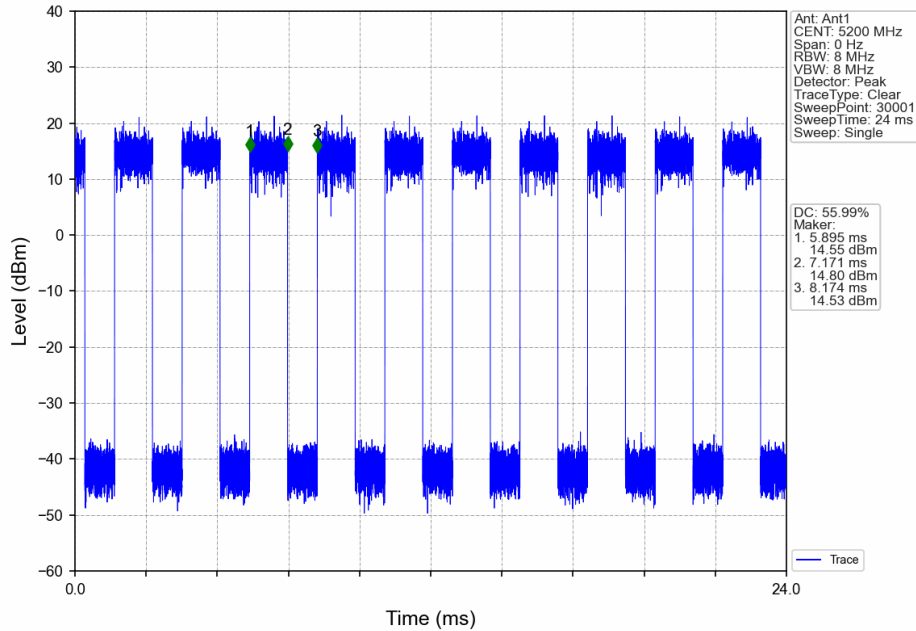
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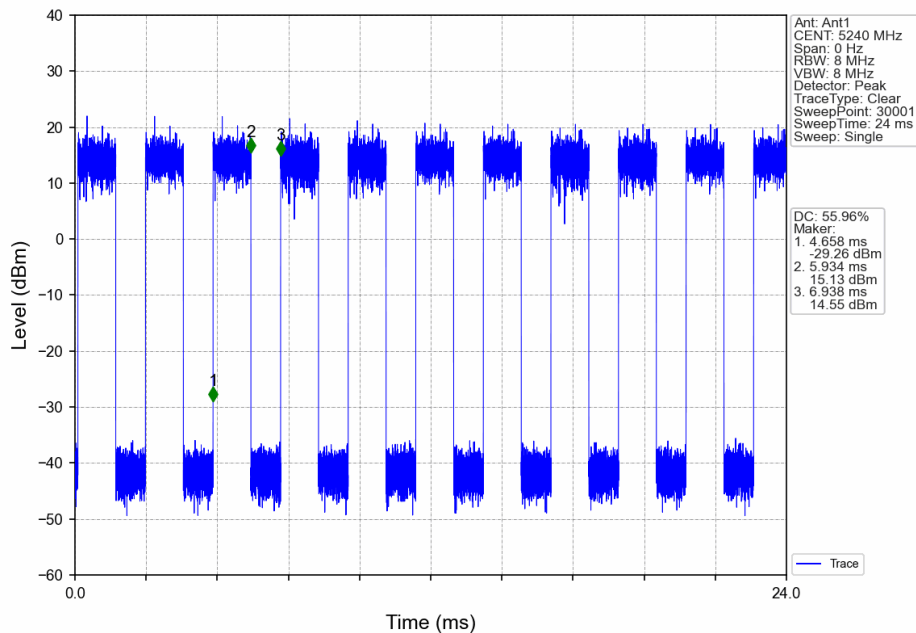
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802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV

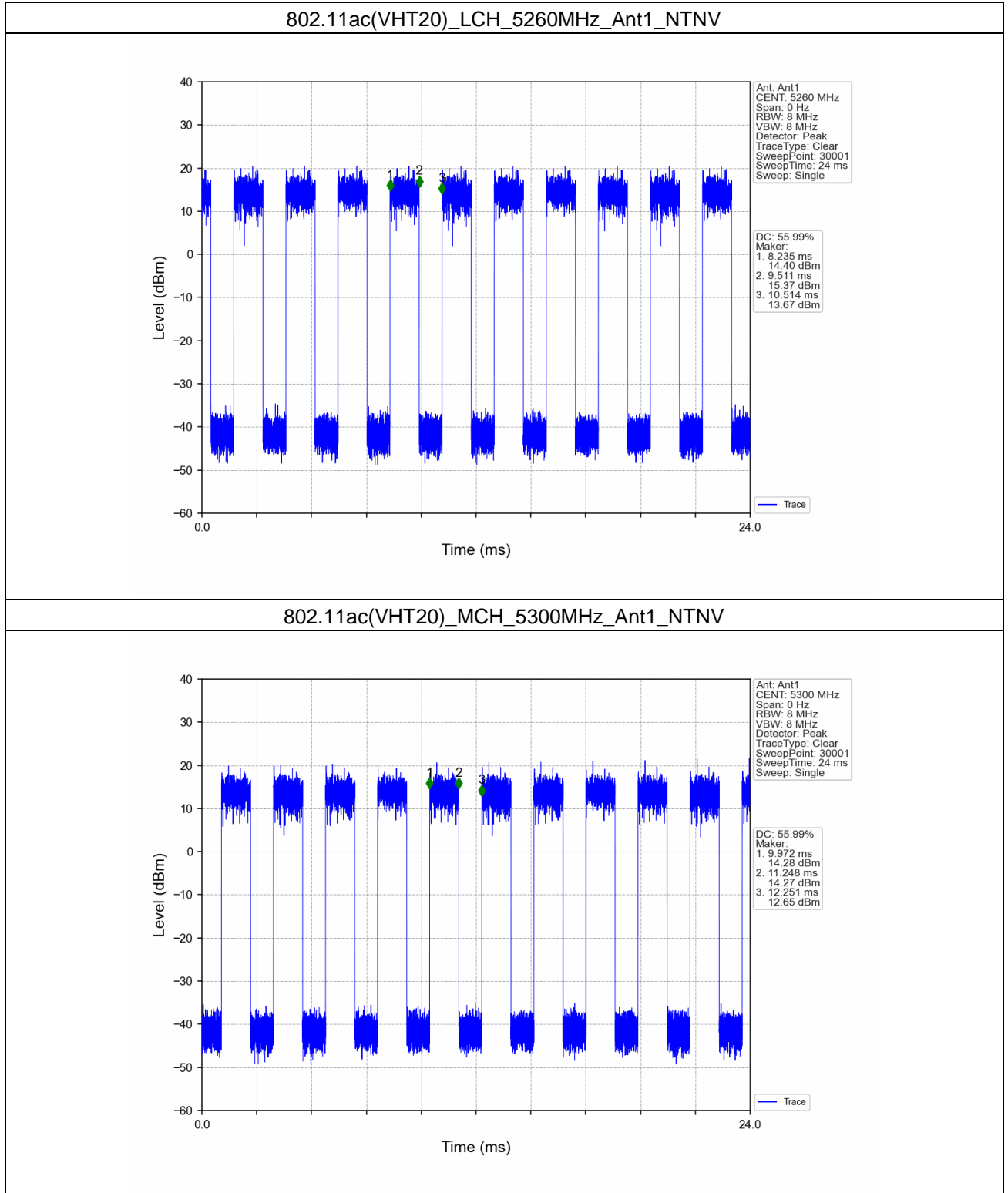


802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



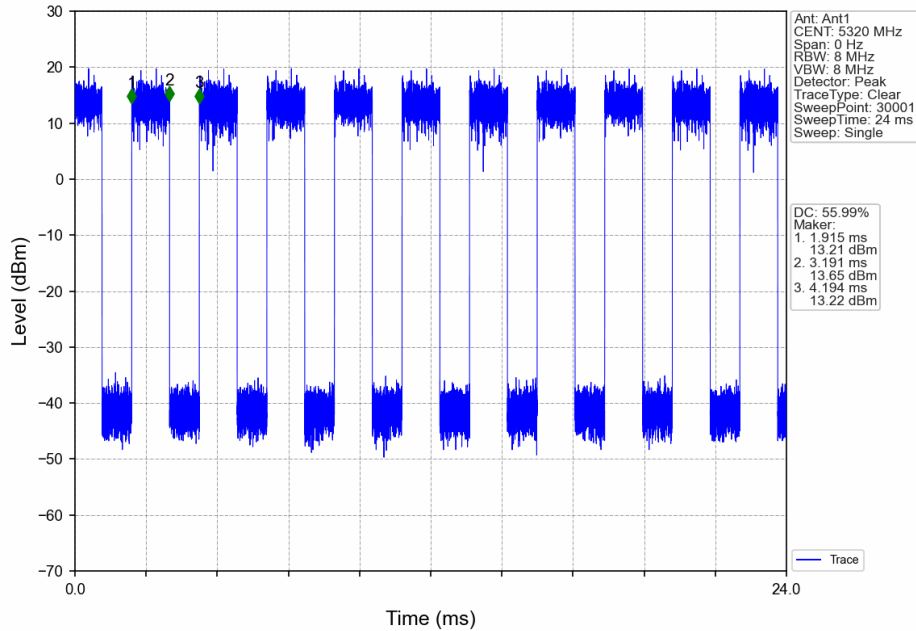
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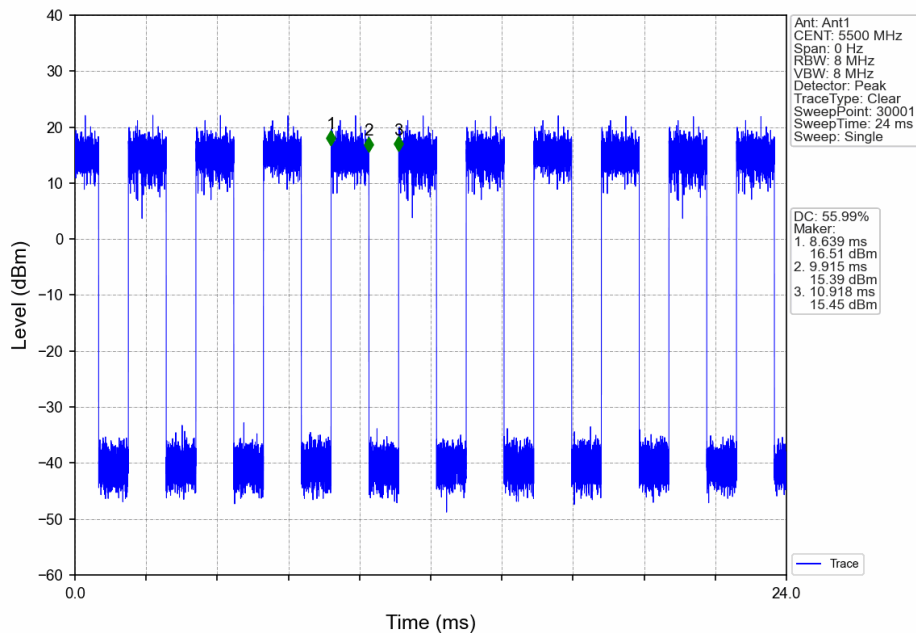


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802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV

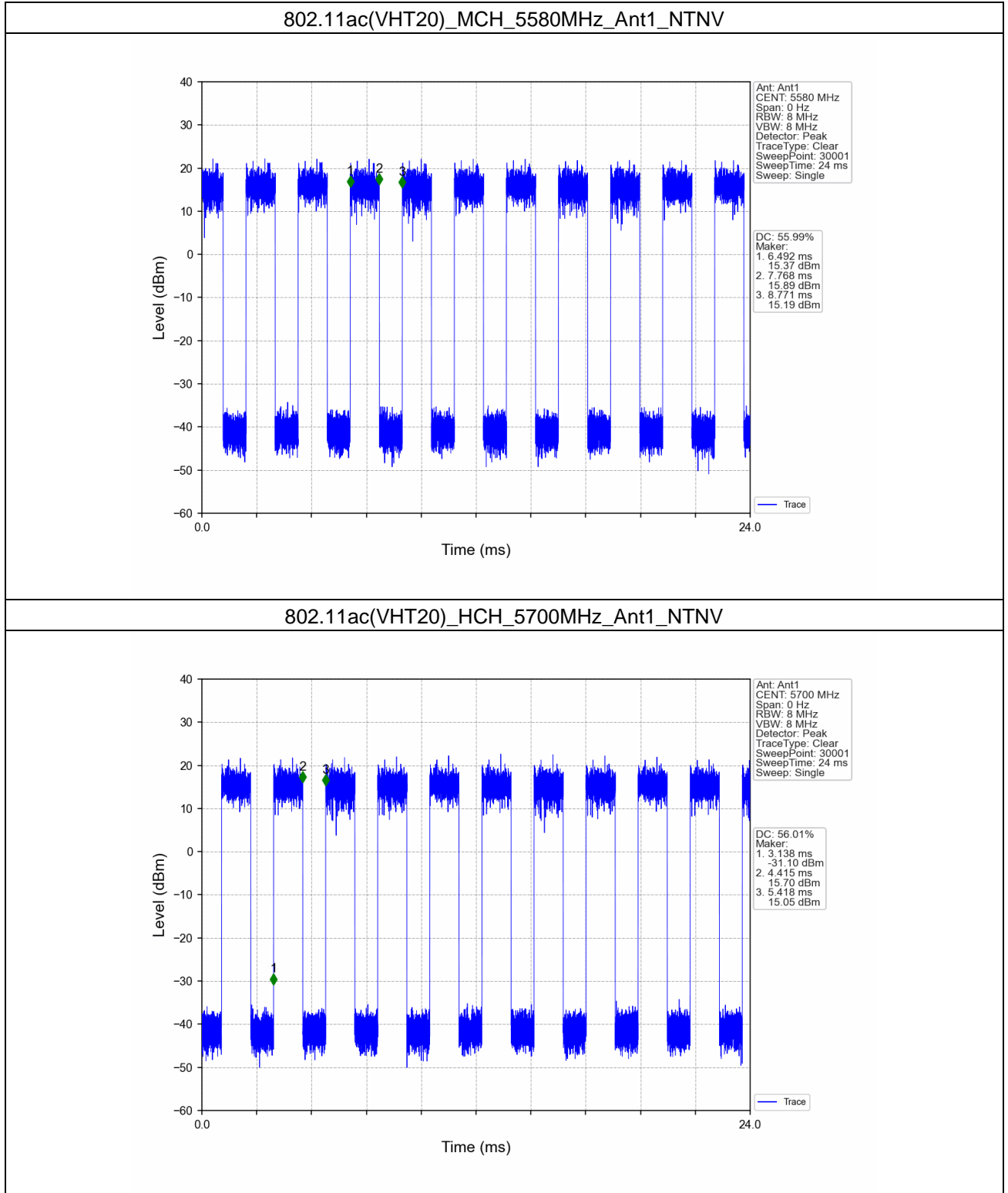


802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



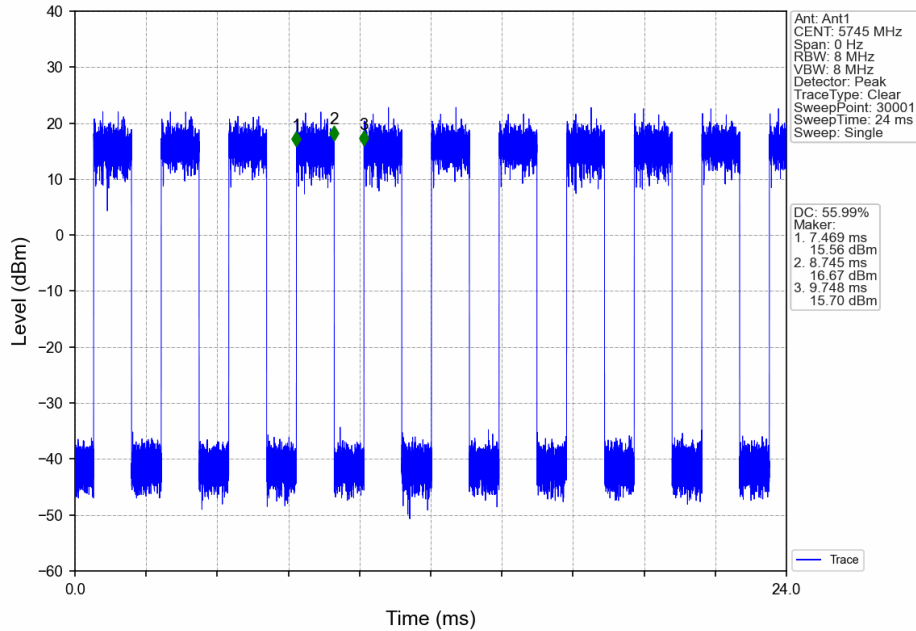
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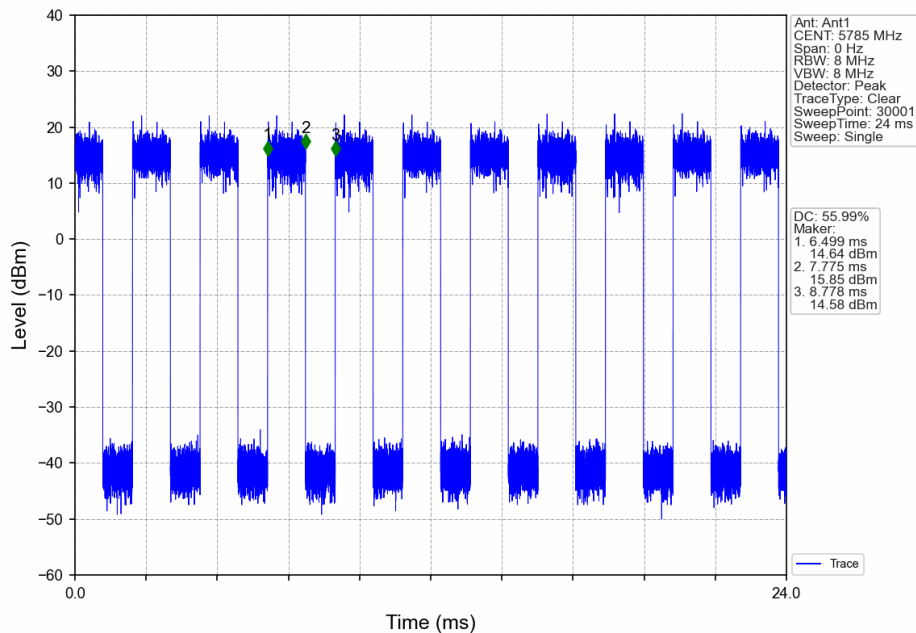


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802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV

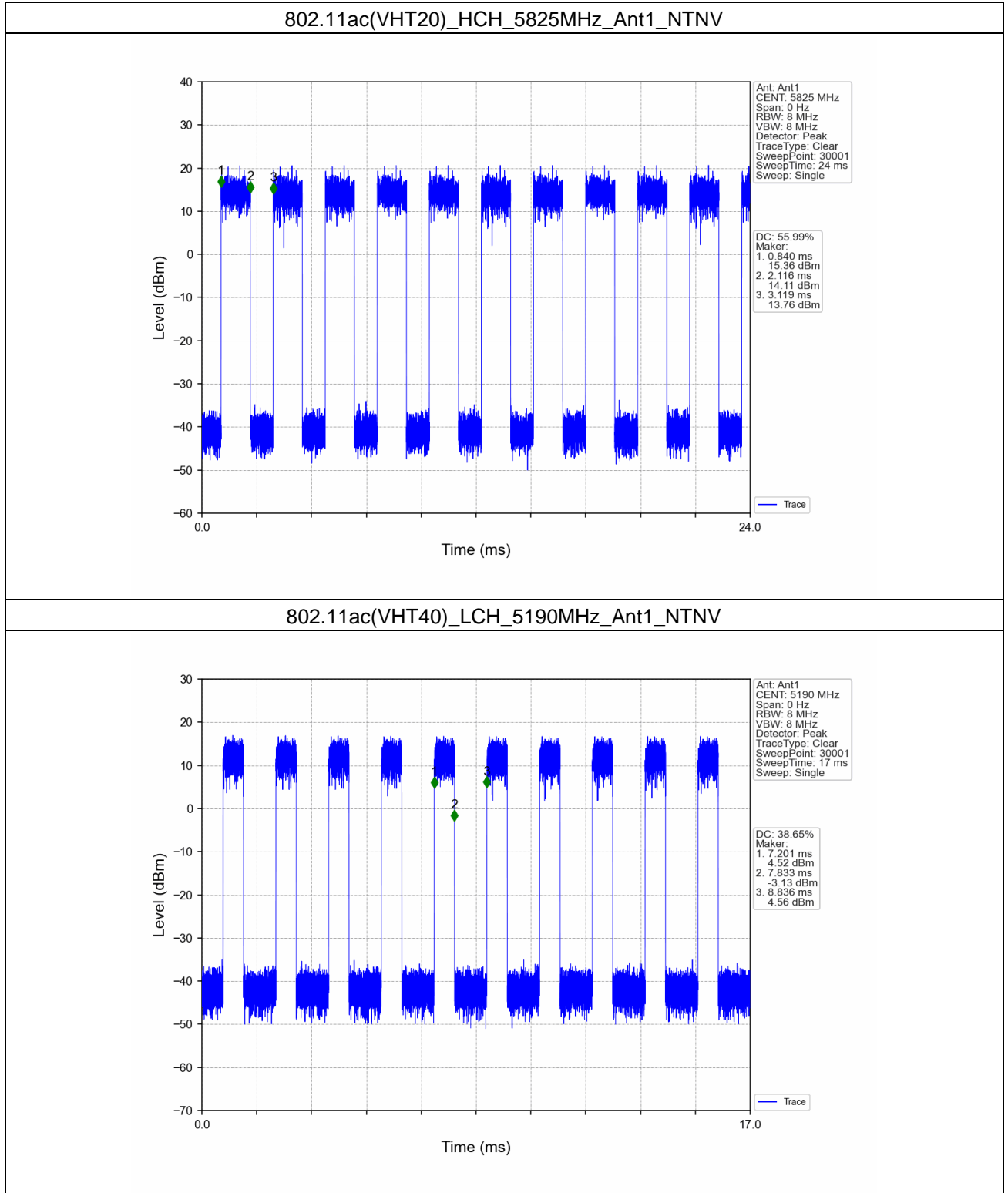


802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV

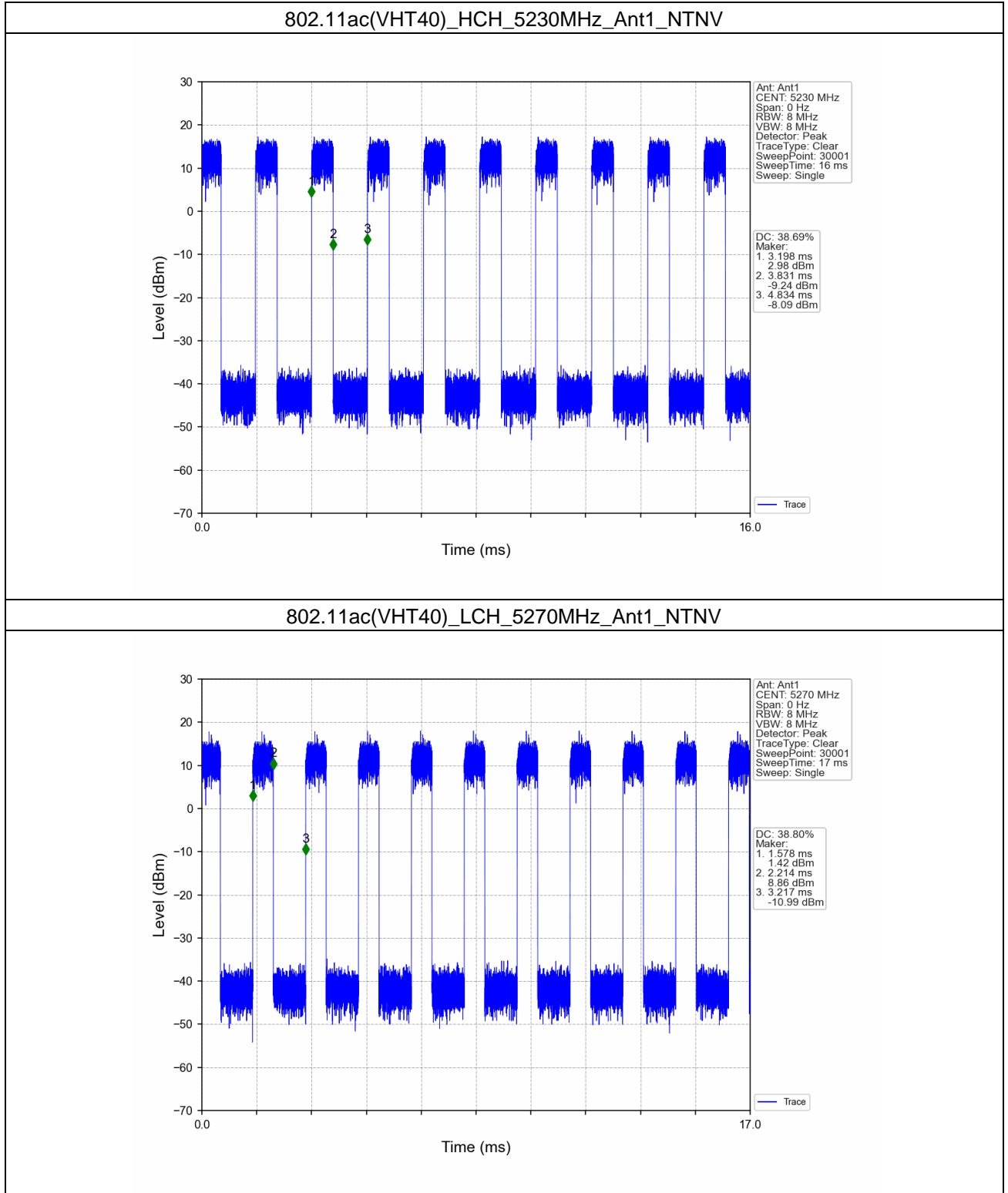


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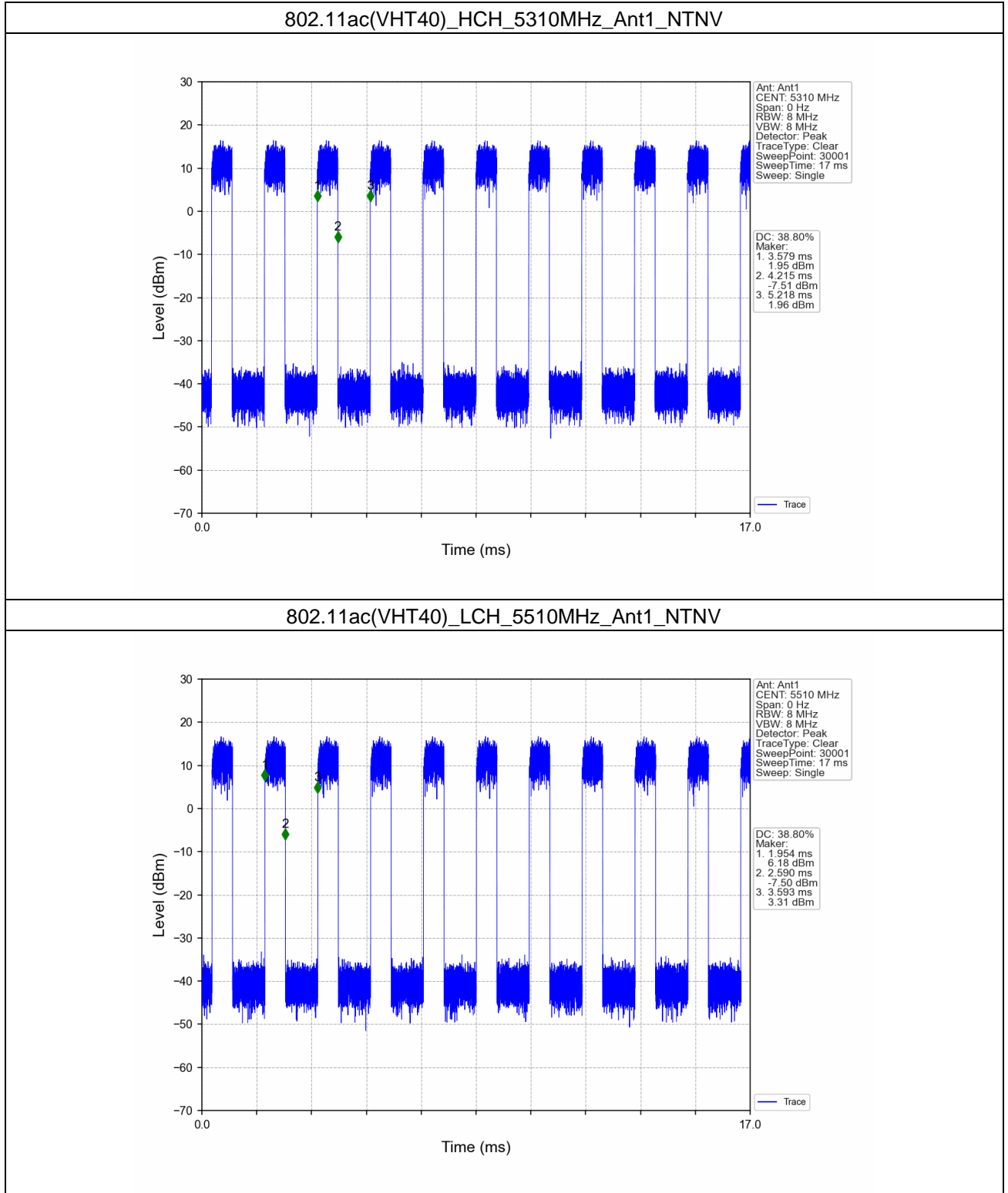
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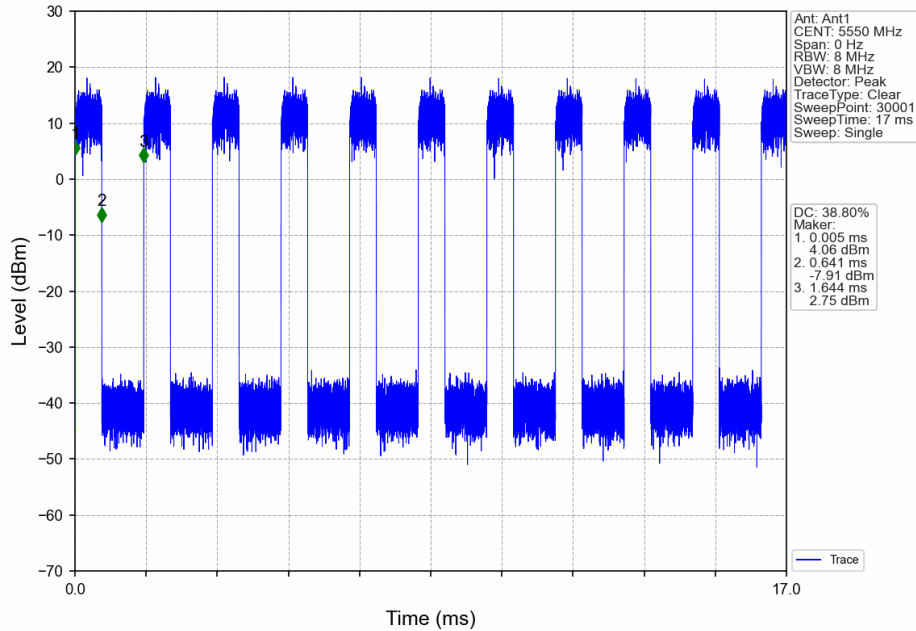
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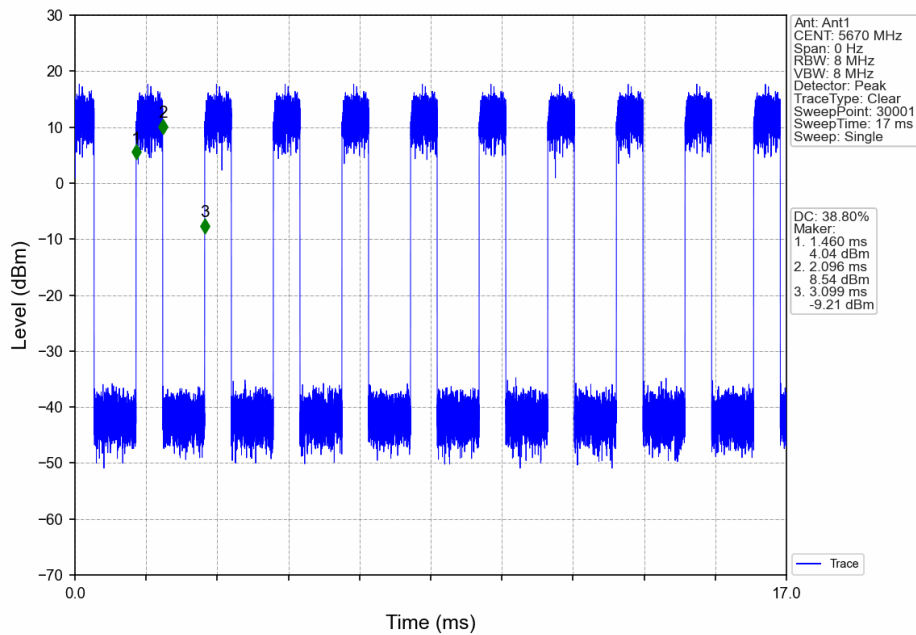
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802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV

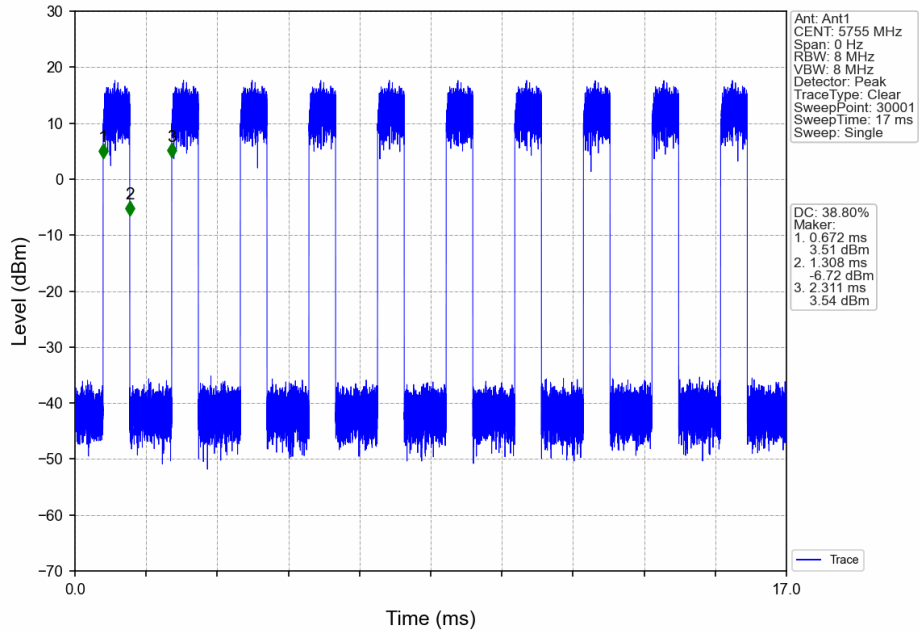


802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV

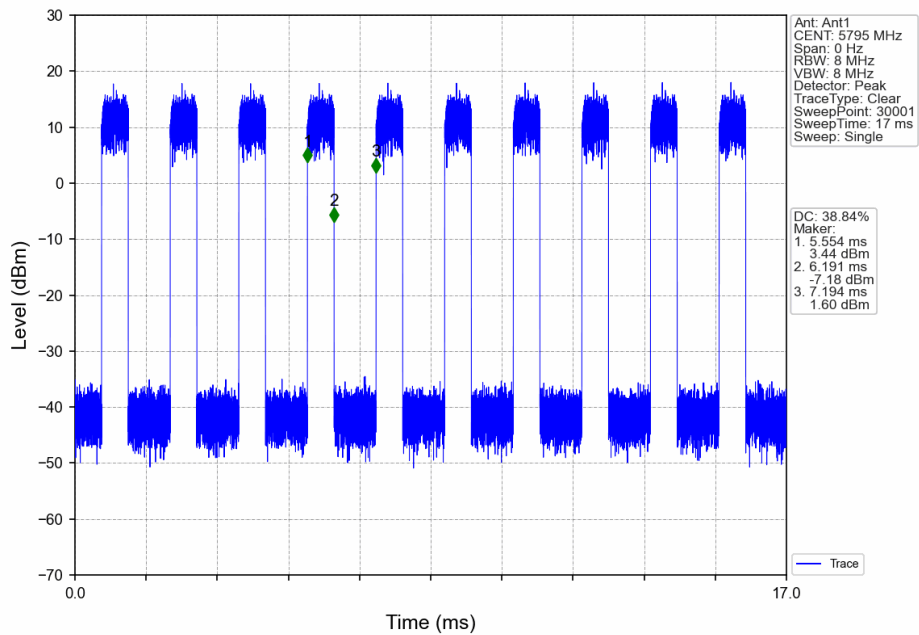


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802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV

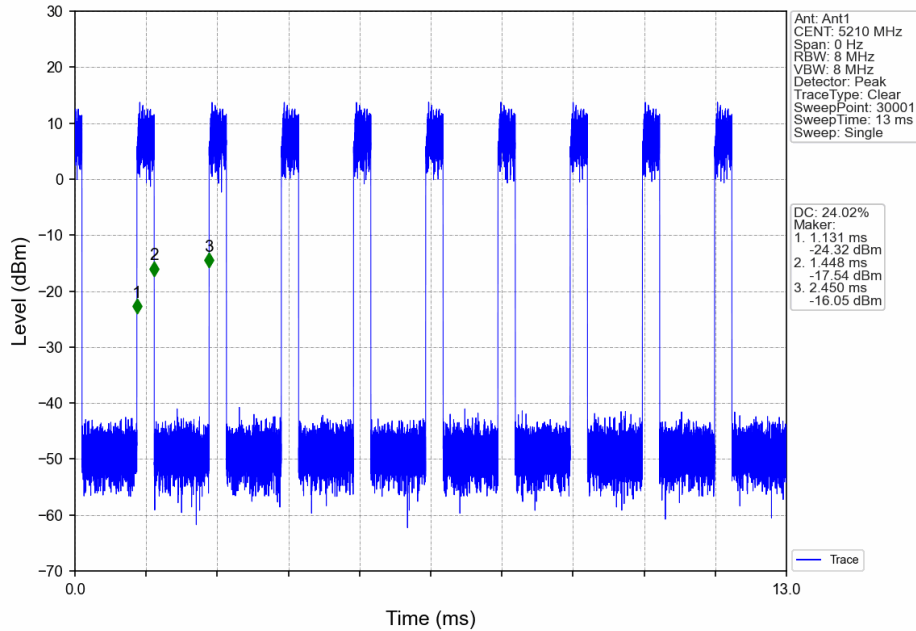


802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

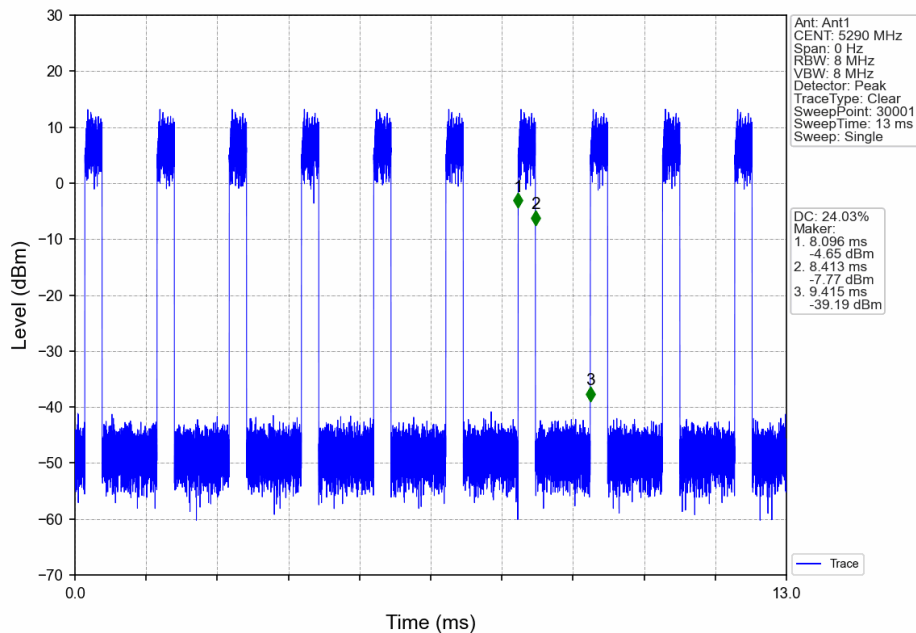


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802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



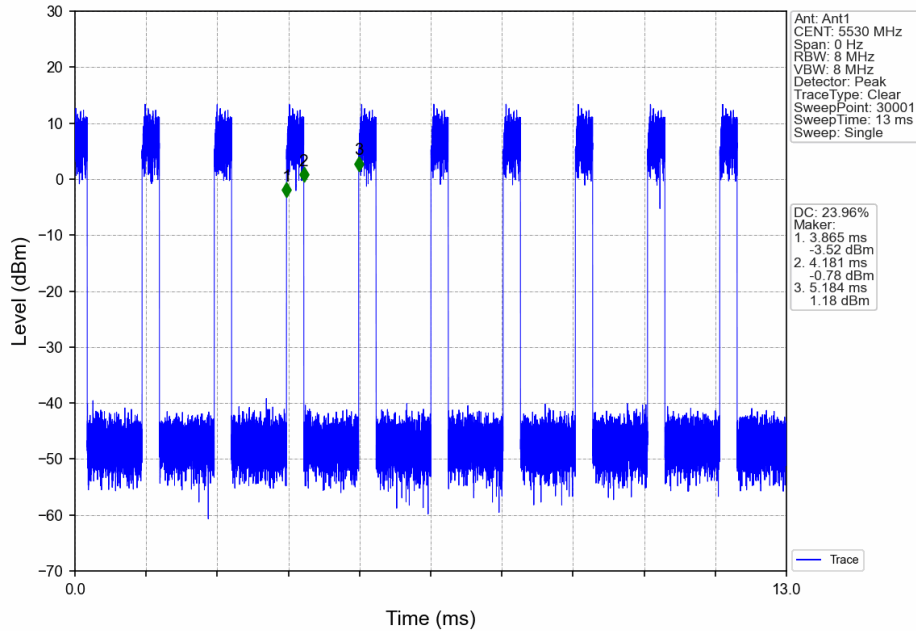
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



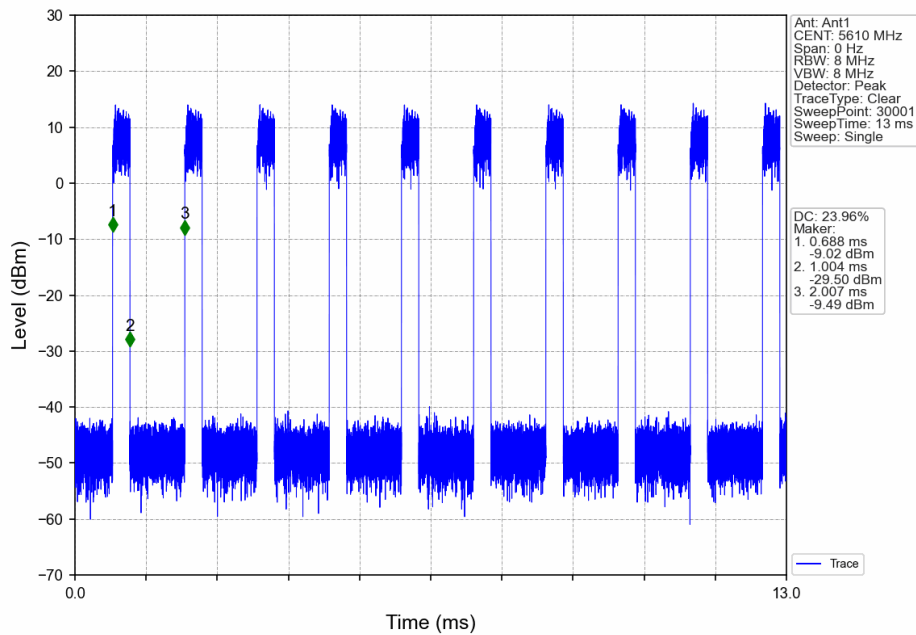
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802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

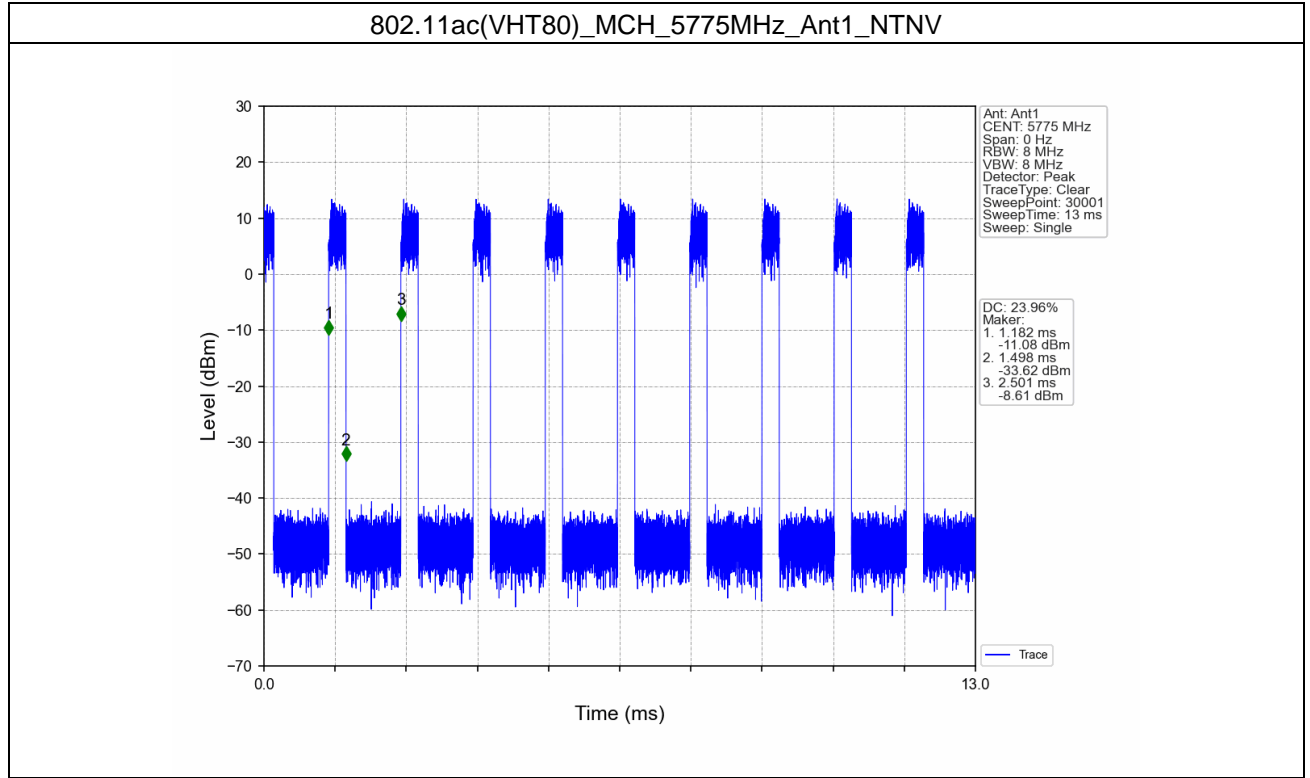


802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5180	1	18.570	/	Pass
		5200	1	18.146	/	Pass
		5240	1	18.014	/	Pass
		5260	1	18.063	/	Pass
		5300	1	17.435	/	Pass
		5320	1	17.597	/	Pass
		5500	1	17.887	/	Pass
		5580	1	20.713	/	Pass
		5700	1	17.657	/	Pass
		5745	1	17.753	/	Pass
		5785	1	17.642	/	Pass
5825	1	17.656	/	Pass		
802.11n (HT20)	SISO	5180	1	18.562	/	Pass
		5200	1	18.513	/	Pass
		5240	1	18.537	/	Pass
		5260	1	18.752	/	Pass
		5300	1	18.389	/	Pass
		5320	1	18.468	/	Pass
		5500	1	18.414	/	Pass
		5580	1	18.799	/	Pass
		5700	1	18.564	/	Pass
		5745	1	18.691	/	Pass
		5785	1	18.609	/	Pass
5825	1	18.607	/	Pass		
802.11n (HT40)	SISO	5190	1	37.214	/	Pass
		5230	1	37.416	/	Pass
		5270	1	37.327	/	Pass
		5310	1	37.250	/	Pass
		5510	1	37.298	/	Pass
		5550	1	37.684	/	Pass
		5670	1	37.397	/	Pass



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100372202

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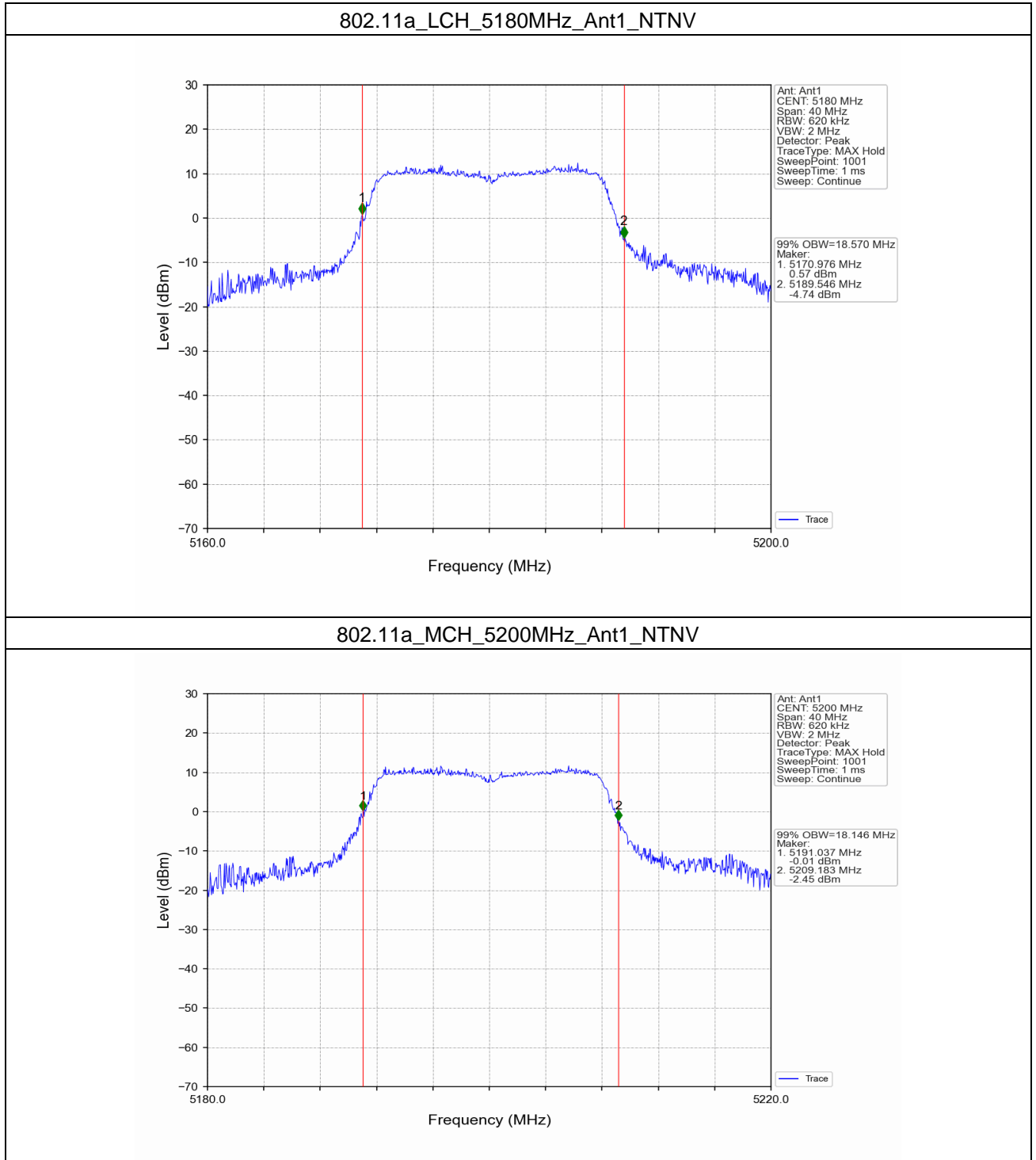
		5755	1	37.466	/	Pass
		5795	1	37.403	/	Pass
802.11ac (VHT20)	SISO	5180	1	18.302	/	Pass
		5200	1	18.439	/	Pass
		5240	1	18.416	/	Pass
		5260	1	18.411	/	Pass
		5300	1	18.347	/	Pass
		5320	1	18.349	/	Pass
		5500	1	18.388	/	Pass
		5580	1	18.601	/	Pass
		5700	1	18.485	/	Pass
		5745	1	18.548	/	Pass
		5785	1	18.526	/	Pass
		5825	1	18.501	/	Pass
		802.11ac (VHT40)	SISO	5190	1	37.086
5230	1			37.179	/	Pass
5270	1			37.023	/	Pass
5310	1			36.952	/	Pass
5510	1			36.889	/	Pass
5550	1			36.989	/	Pass
5670	1			36.957	/	Pass
5755	1			37.061	/	Pass
802.11ac (VHT80)	SISO	5210	1	76.219	/	Pass
		5290	1	76.110	/	Pass
		5530	1	76.286	/	Pass
		5610	1	76.296	/	Pass
		5775	1	76.256	/	Pass



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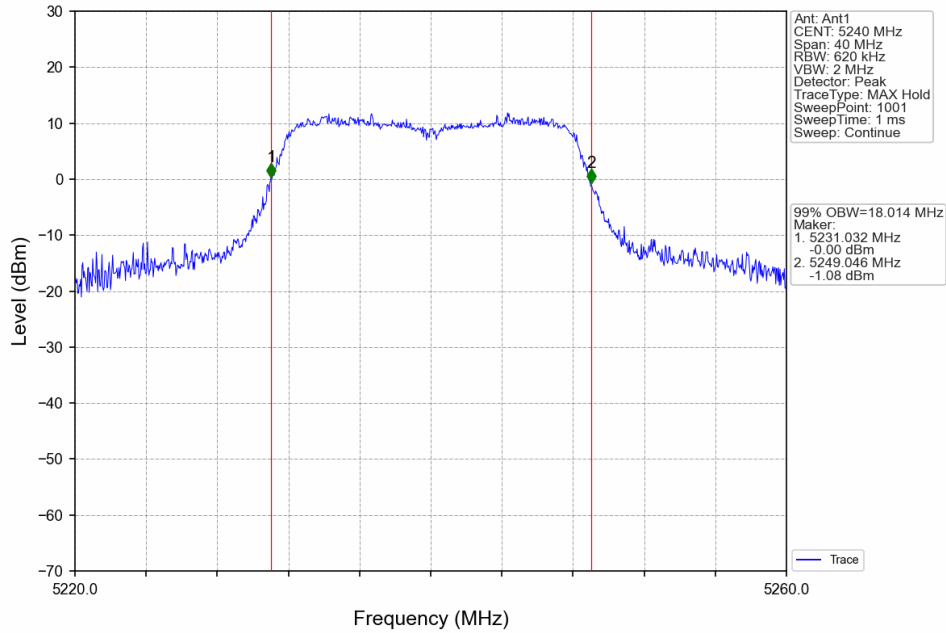
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2.1.2 Test Graph

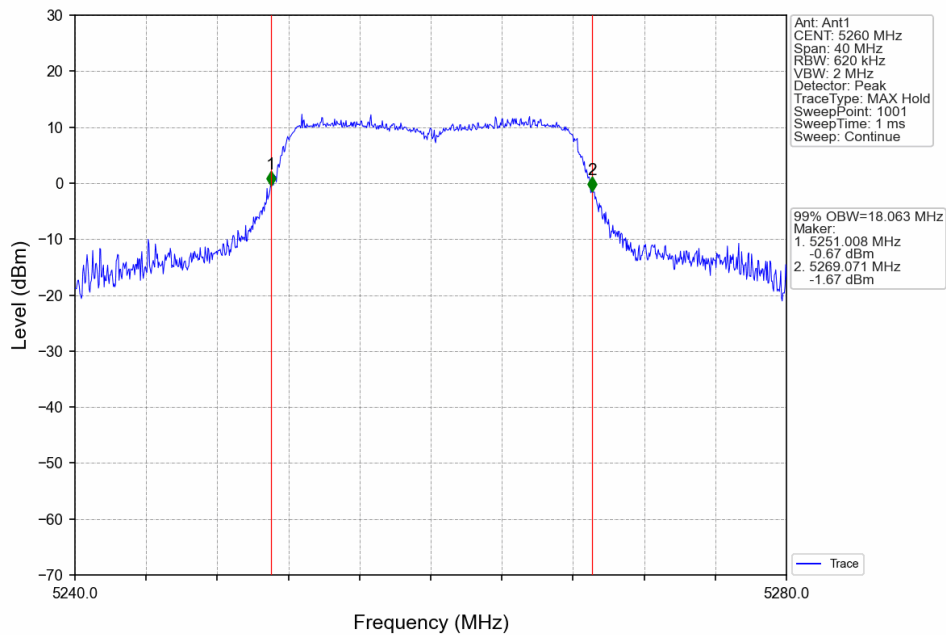


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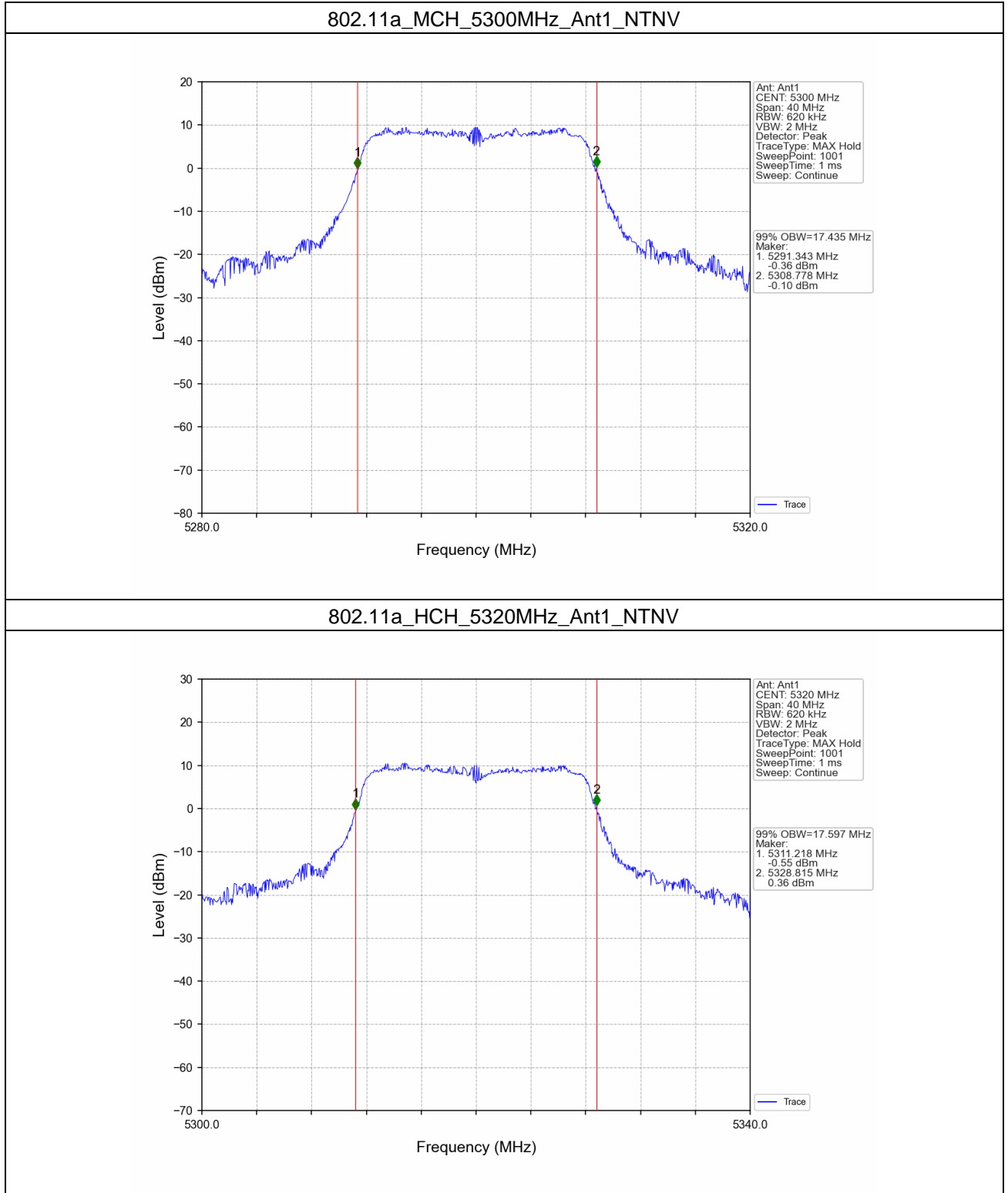
802.11a_HCH_5240MHz_Ant1_NTNV



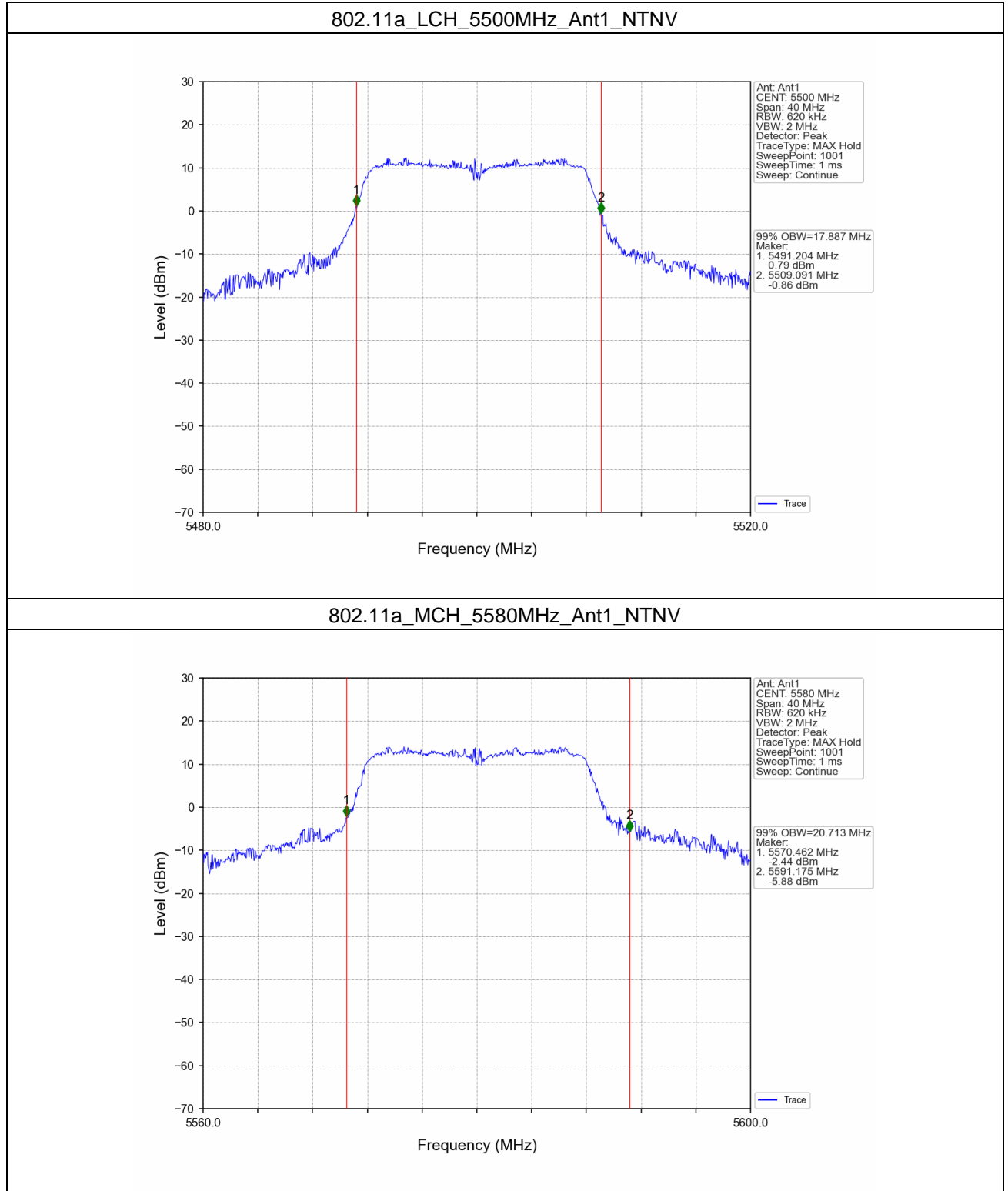
802.11a_LCH_5260MHz_Ant1_NTNV



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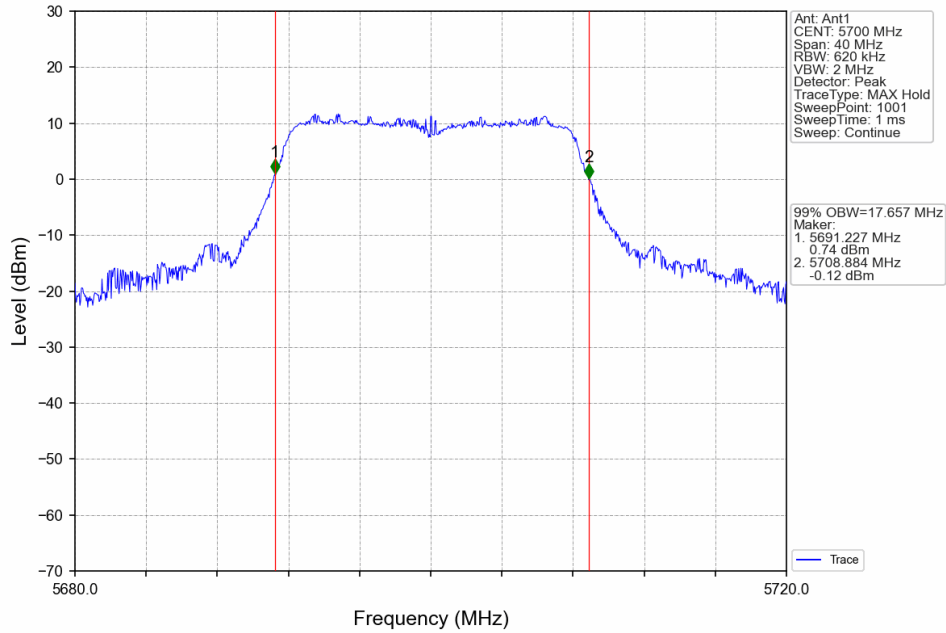


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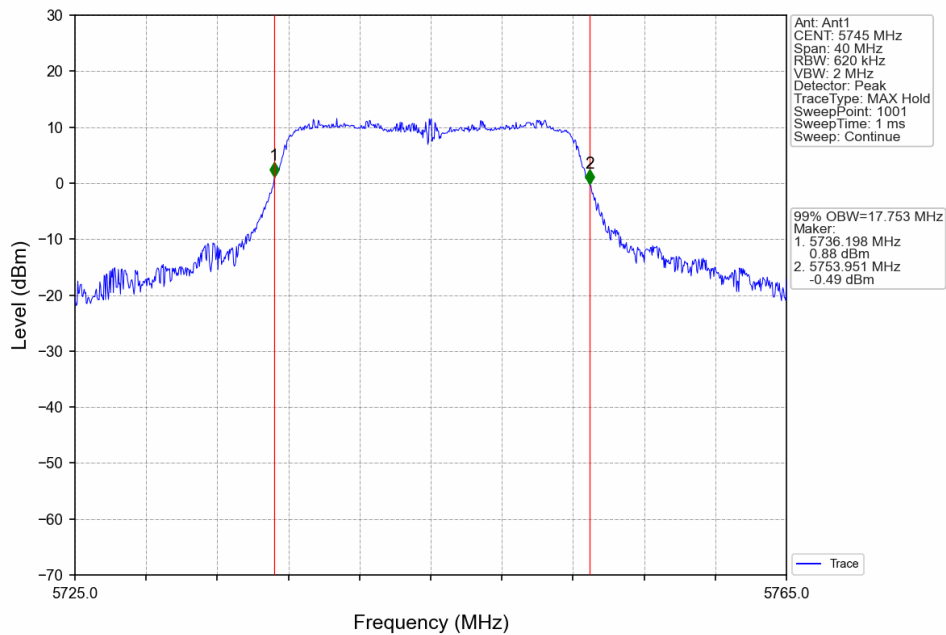


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802.11a_HCH_5700MHz_Ant1_NTNV

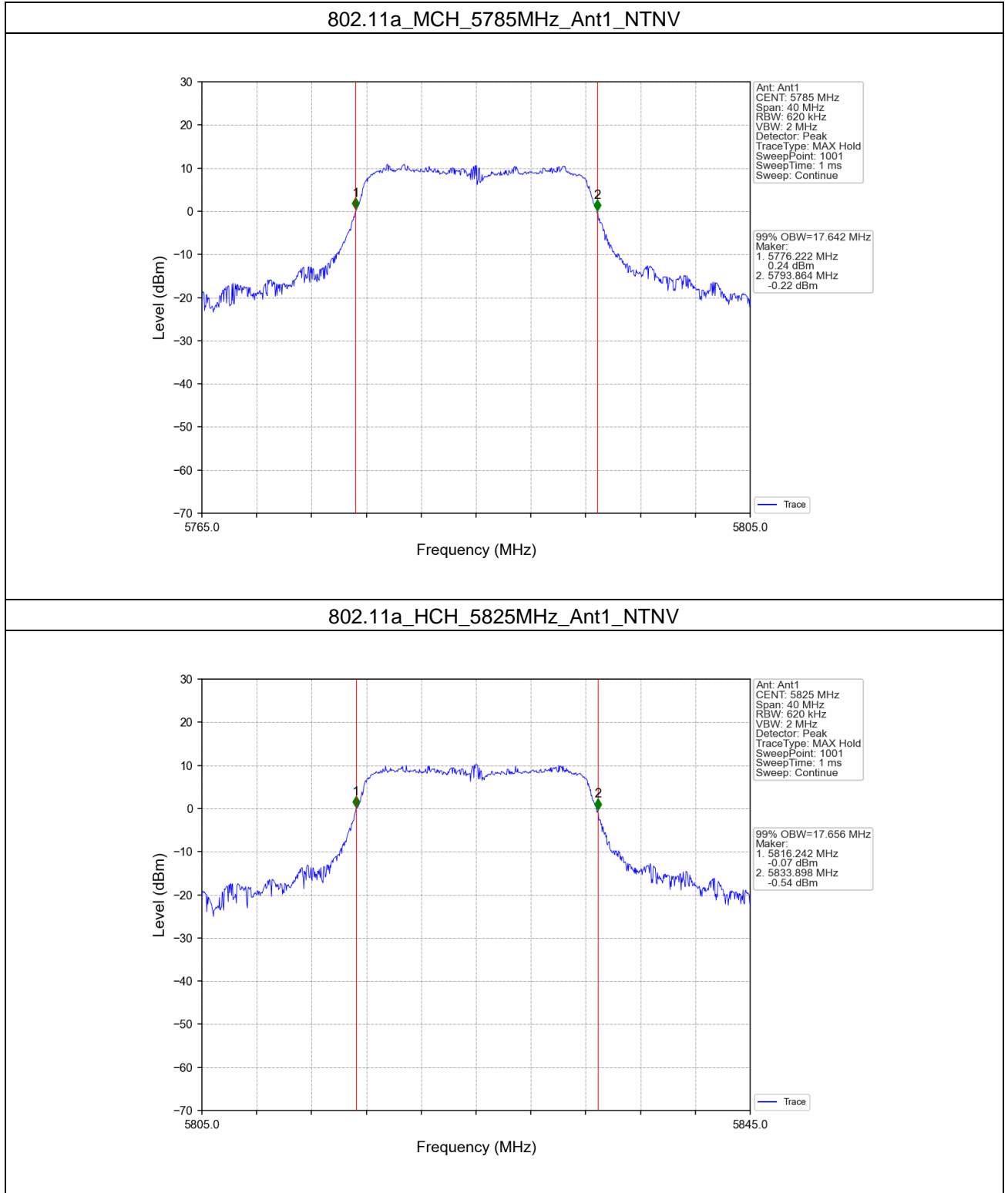


802.11a_LCH_5745MHz_Ant1_NTNV



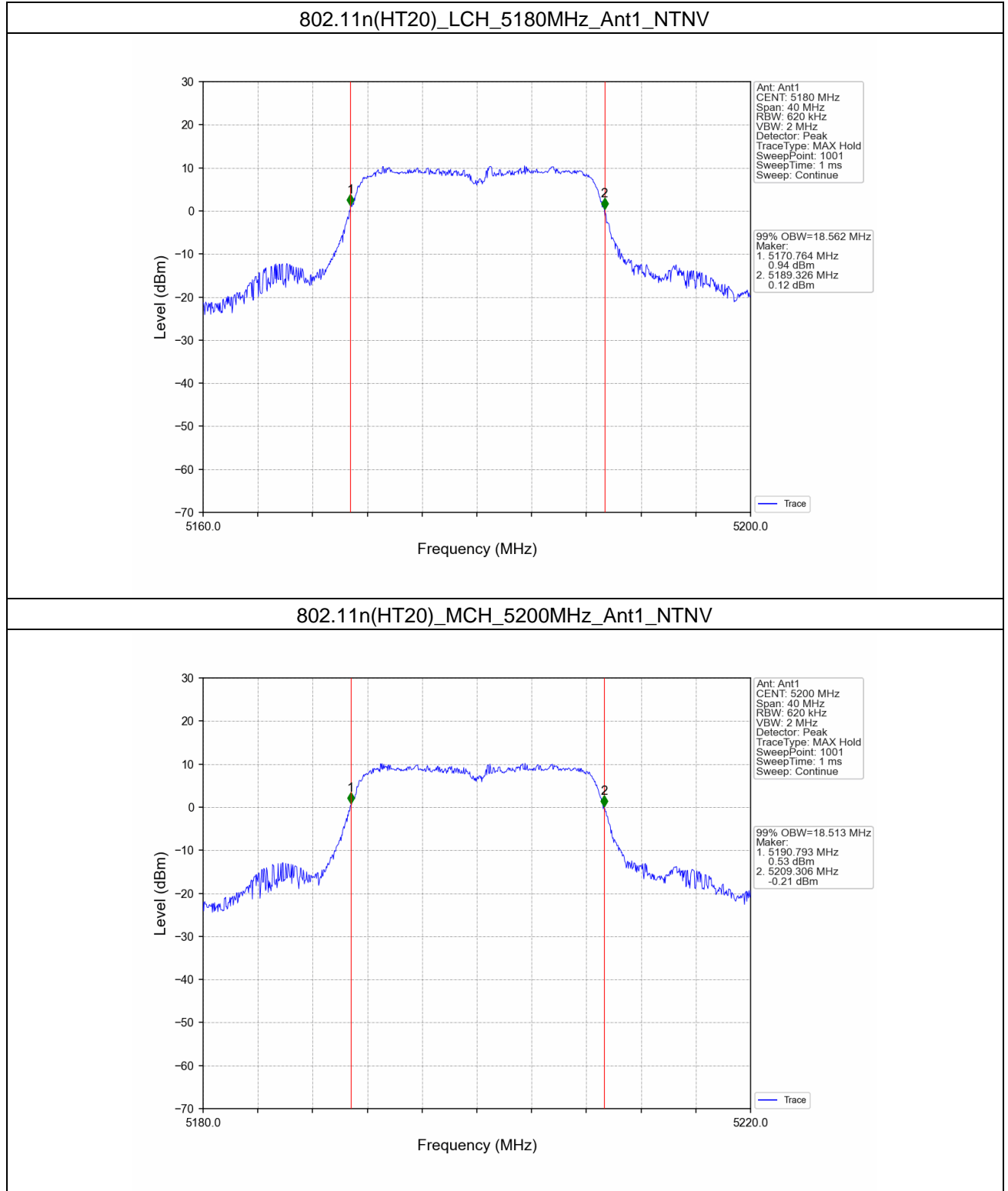
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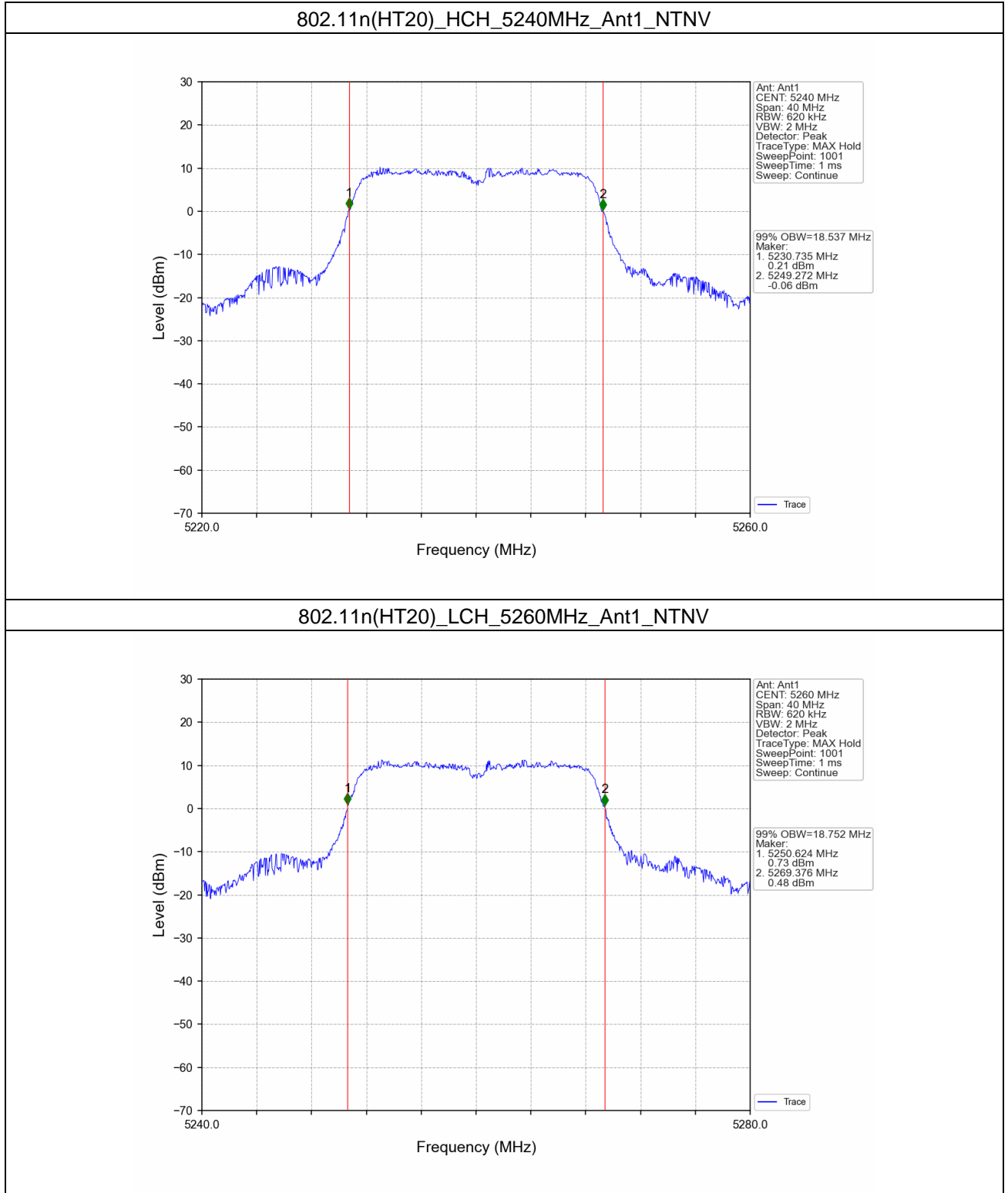


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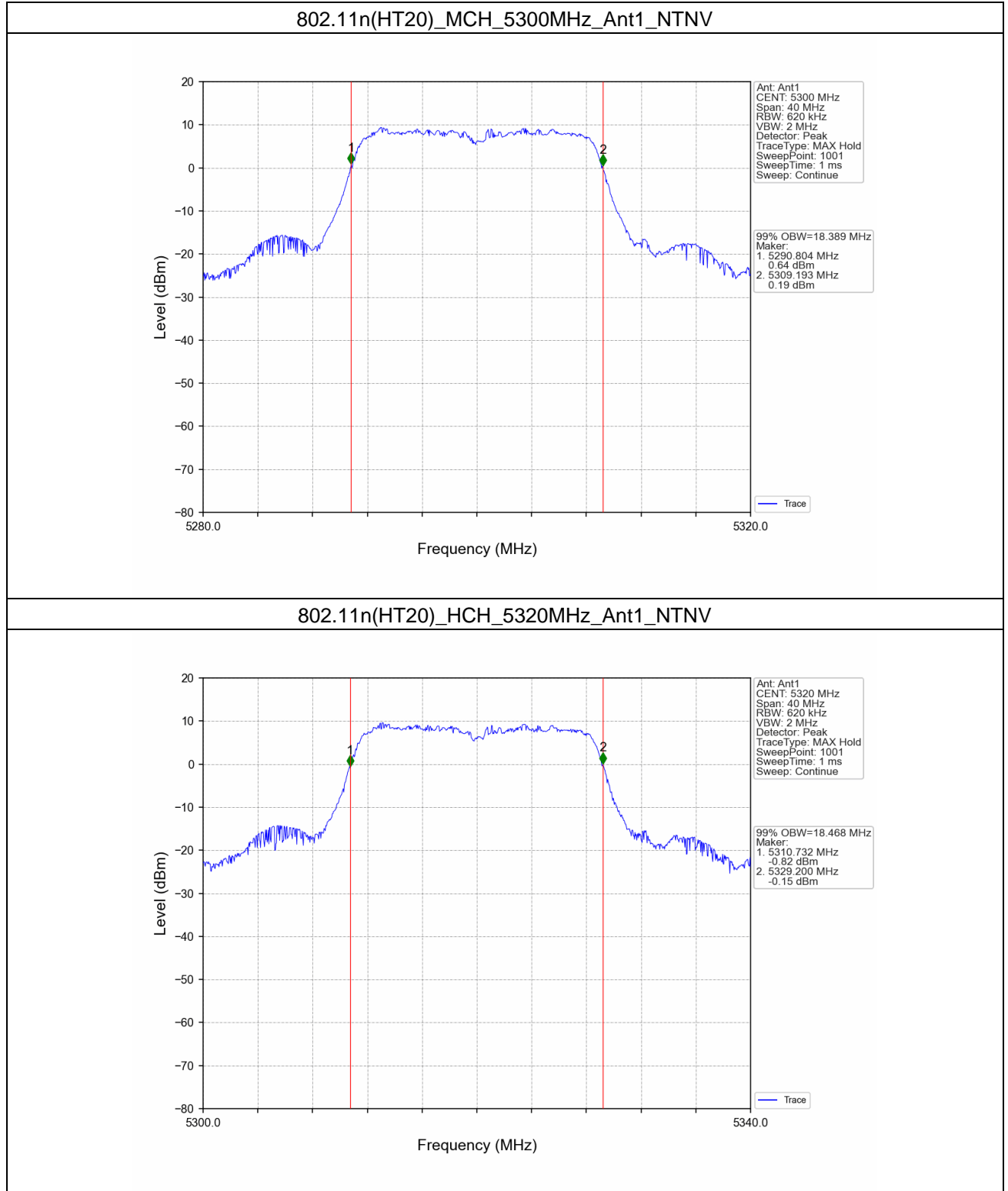
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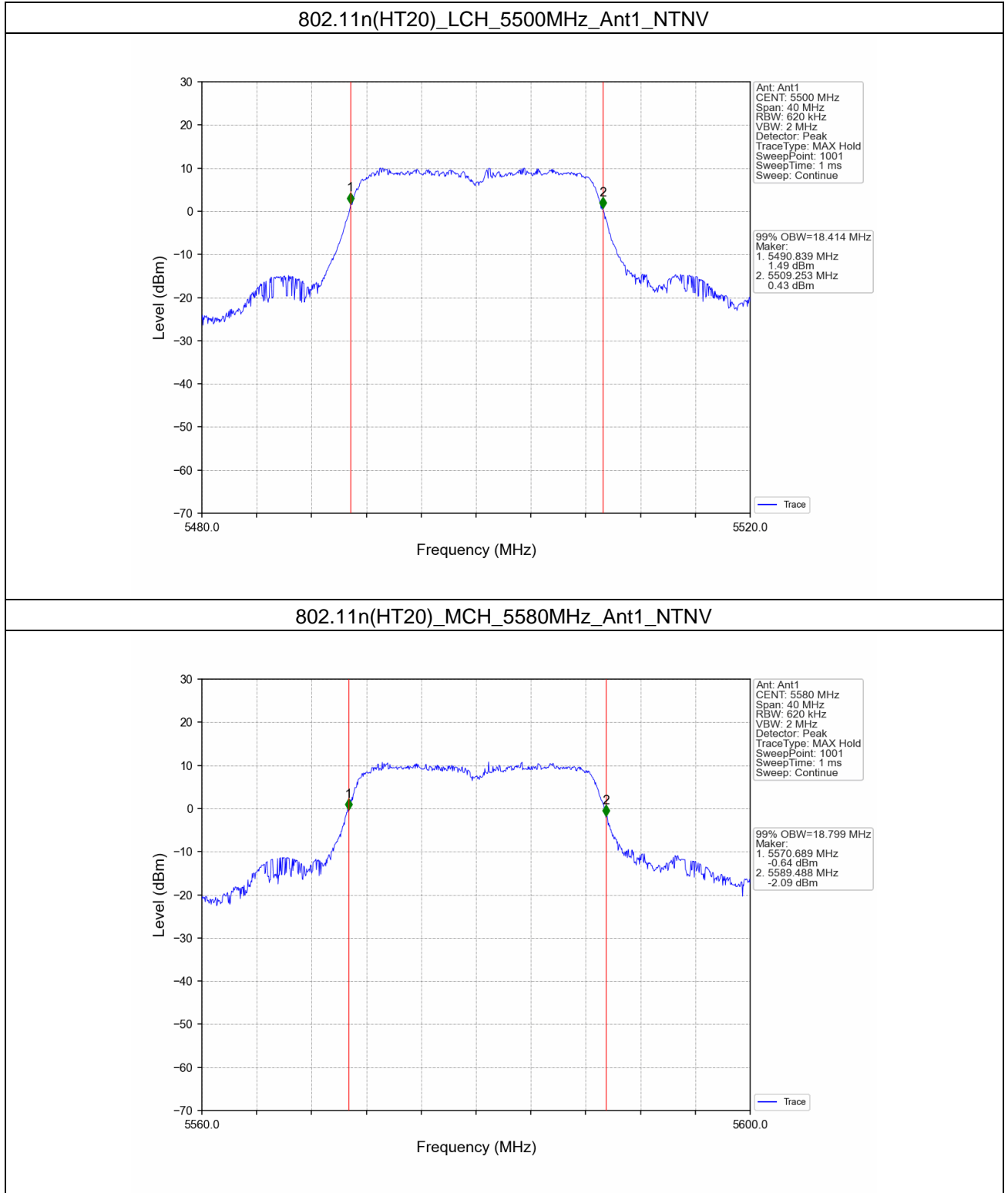


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