

Appendix - 5G WIFI DFS

BAND 2A:

1. Signal Calibration

1.1 Test Result

1.1.1 SC

Band: 2A						
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration	
			Type	Trial Id	Result	Limit
802.11n (HT40)	40	5270	0	0	Refer To Test Graph	Pass
802.11n (HT20)	20	5260	0	0	Refer To Test Graph	Pass

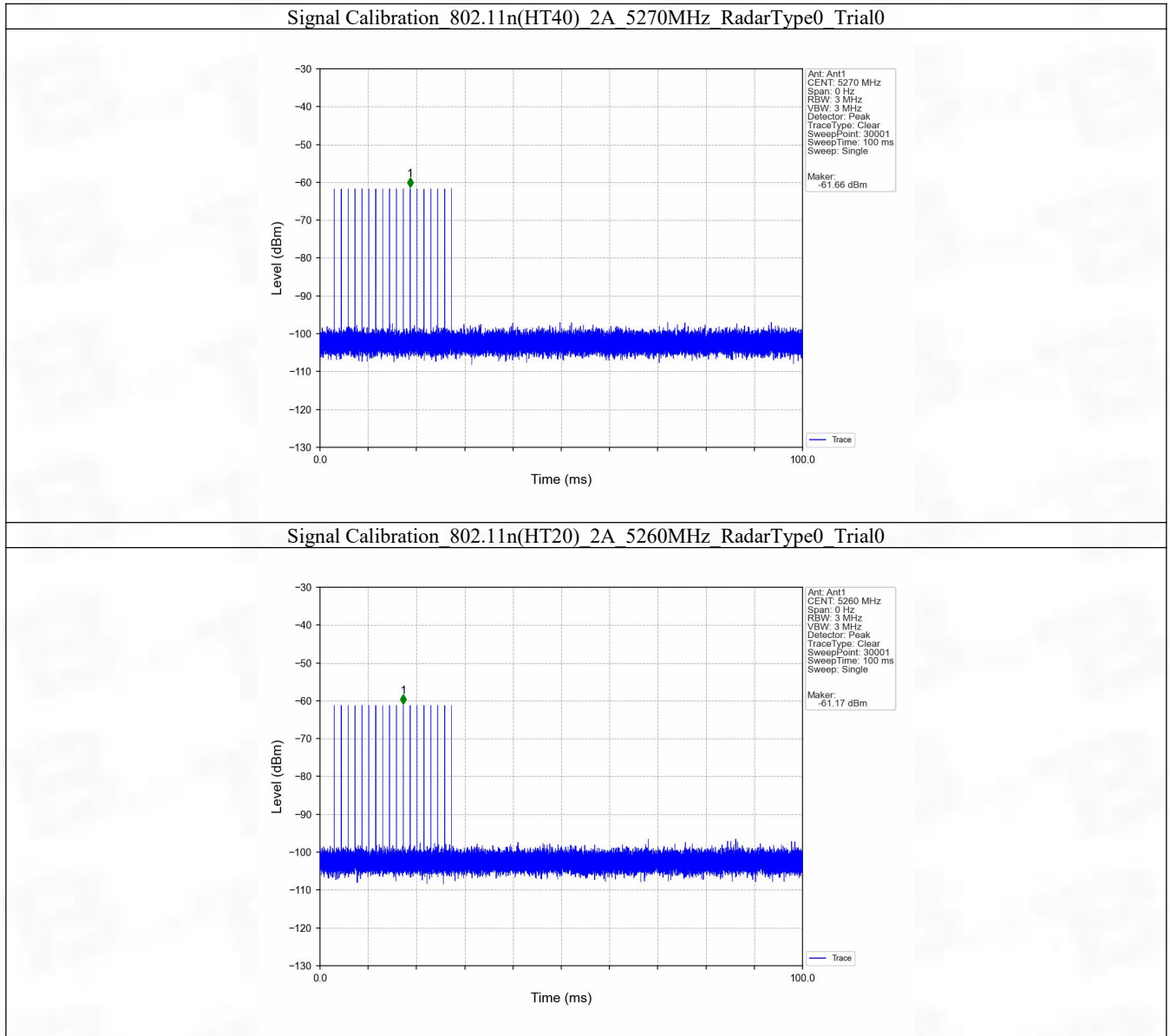
Calibration:

For a detection threshold level of -64dBm and the antenna gain is 5.54dBi, required ←detection threshold is -57.46dBm(= -64+1+5.54).

Note: Maximum Transmit Power is greater than 200 milliwatt in this report, so detection threshold level is -64dBm.

1.2 Test Graph

1.2.1 SC



2. Channel Loading (Payload)

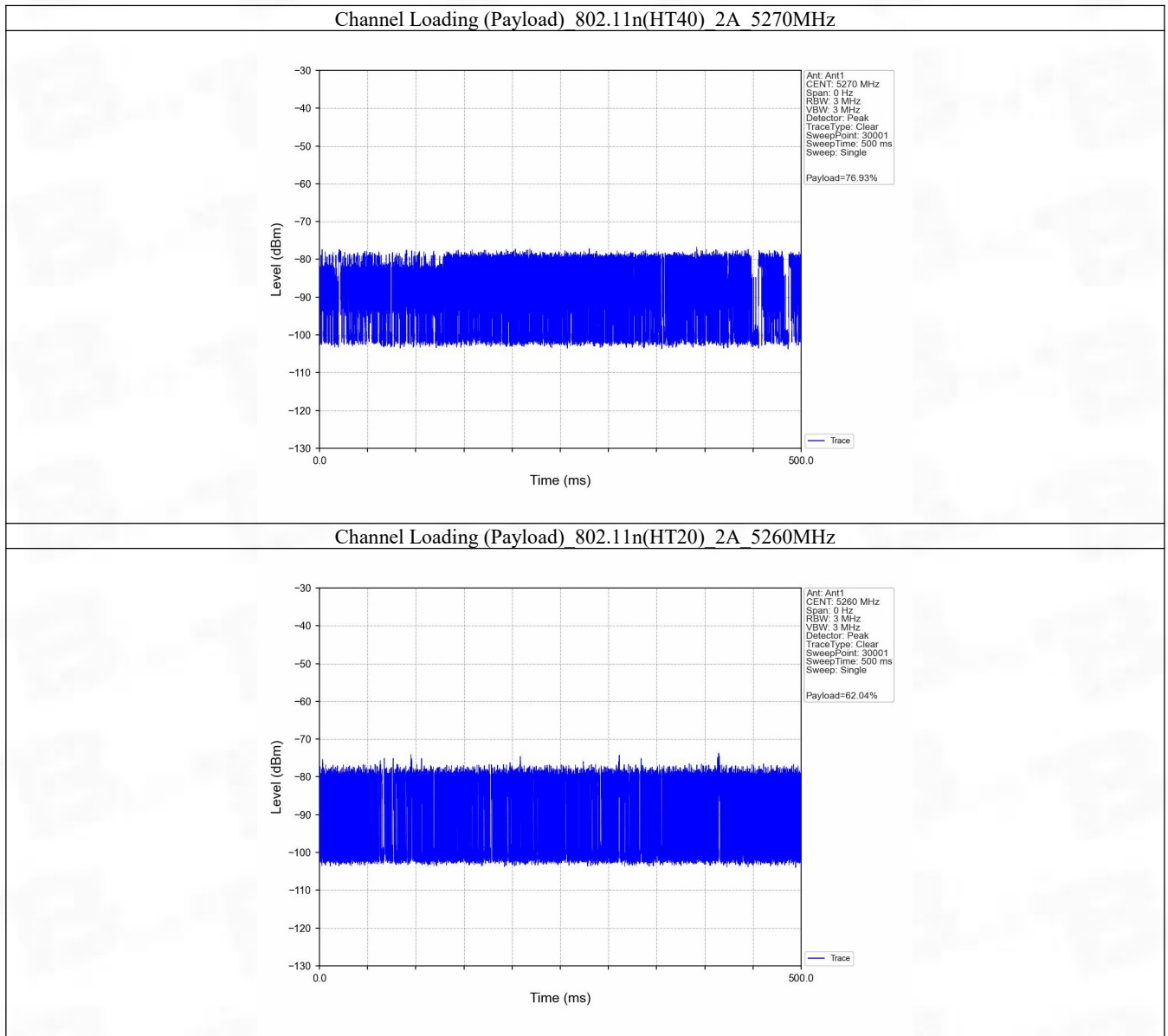
2.1 Test Result

2.1.1 Payload

Band: 2A					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Loading (Payload) (%)		Verdict
			Result	Limit	
802.11n (HT40)	40	5270	76.93	≥ 17	Pass
802.11n (HT20)	20	5260	62.04	≥ 17	Pass

2.2 Test Graph

2.2.1 Payload



3. Channel Move Time and Closing Transmission Time

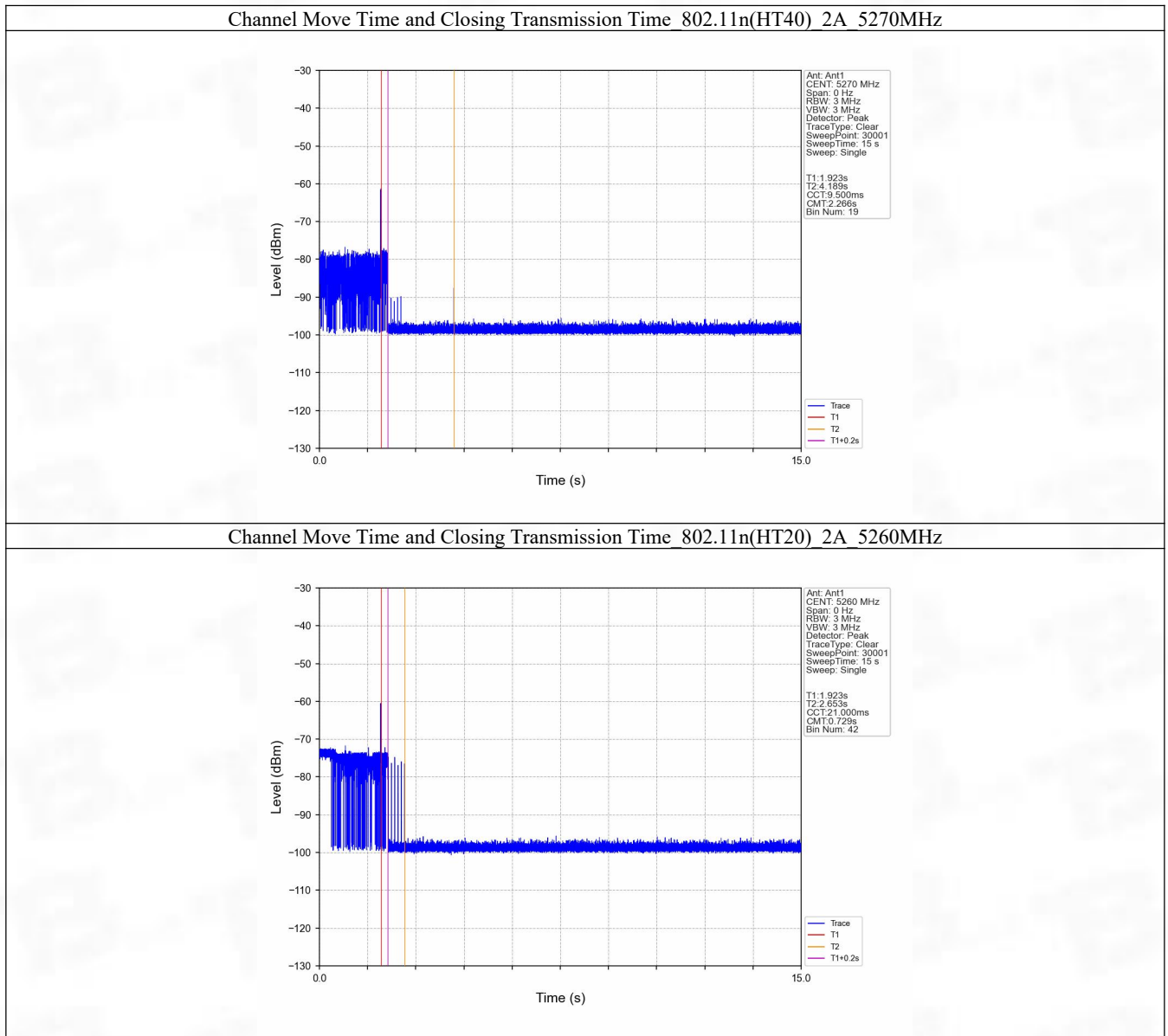
3.1 Test Result

3.1.1 CMT_CTT

Band: 2A							
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Closing Transmission Time (ms)		Channel Move Time (s)		Verdict
			Result	Limit	Result	Limit	
802.11n (HT40)	40	5270	9.500	≤ 60	2.266	≤ 10	Pass
802.11n (HT20)	20	5260	21.000	≤ 60	0.729	≤ 10	Pass

3.2 Test Graph

3.2.1 CMT_CTT



4. Non-Occupancy Period

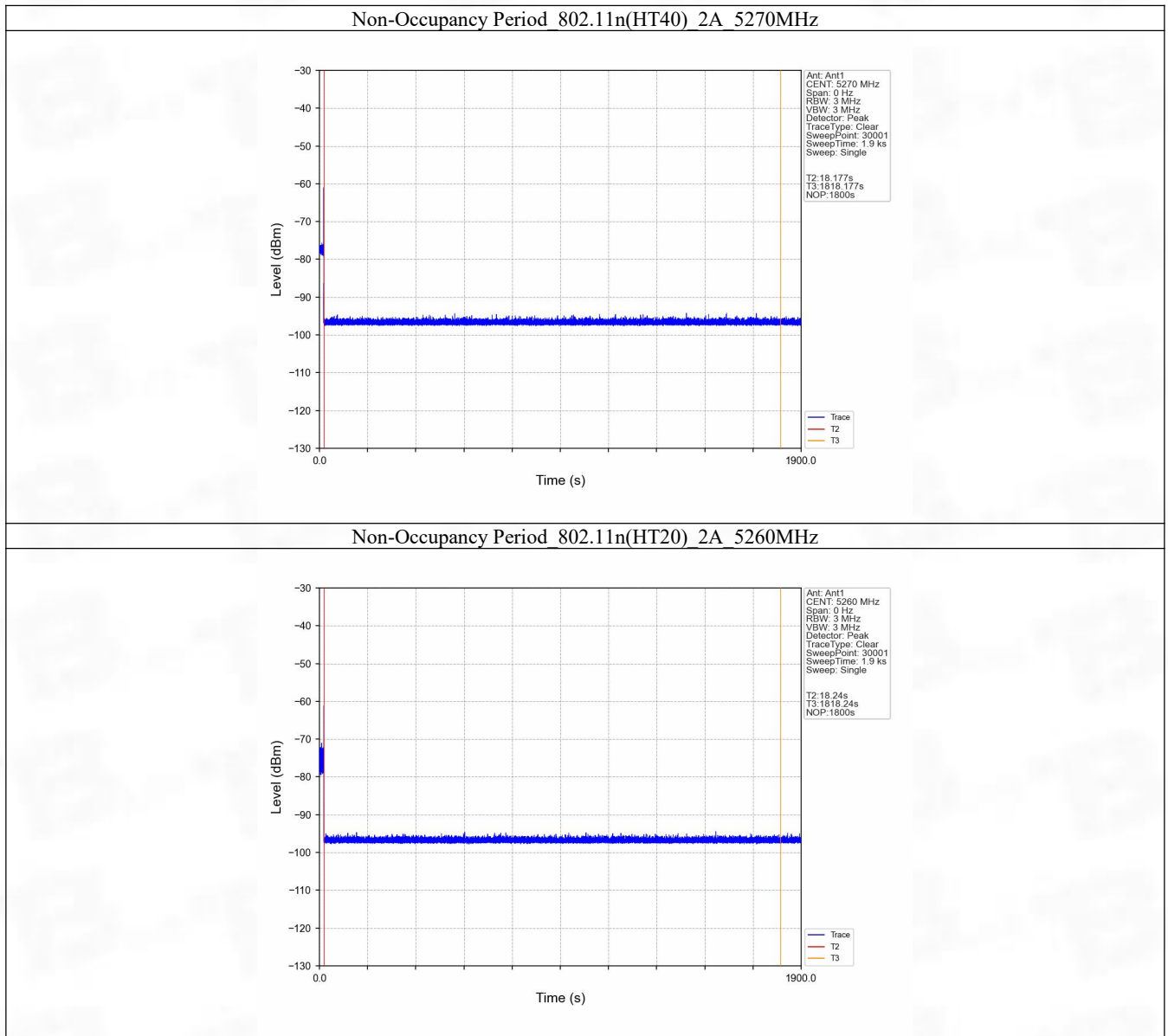
4.1 Test Result

4.1.1 Period

Band: 2A					
Mode	Bandwidth (MHz)	Frequency (MHz)	Non-Occupancy Period		Verdict
			Result	Limit	
802.11n (HT40)	40	5270	Refer To Test Graph		Pass
802.11n (HT20)	20	5260	Refer To Test Graph		Pass

4.2 Test Graph

4.2.1 Period



BAND 2C:**1. Signal Calibration****1.1 Test Result****1.1.1 SC**

Band: 2C						
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration	
			Type	Trial Id	Result	Limit
802.11n (HT40)	40	5510	0	0	Refer To Test Graph	Pass
802.11n (HT20)	20	5500	0	0	Refer To Test Graph	Pass

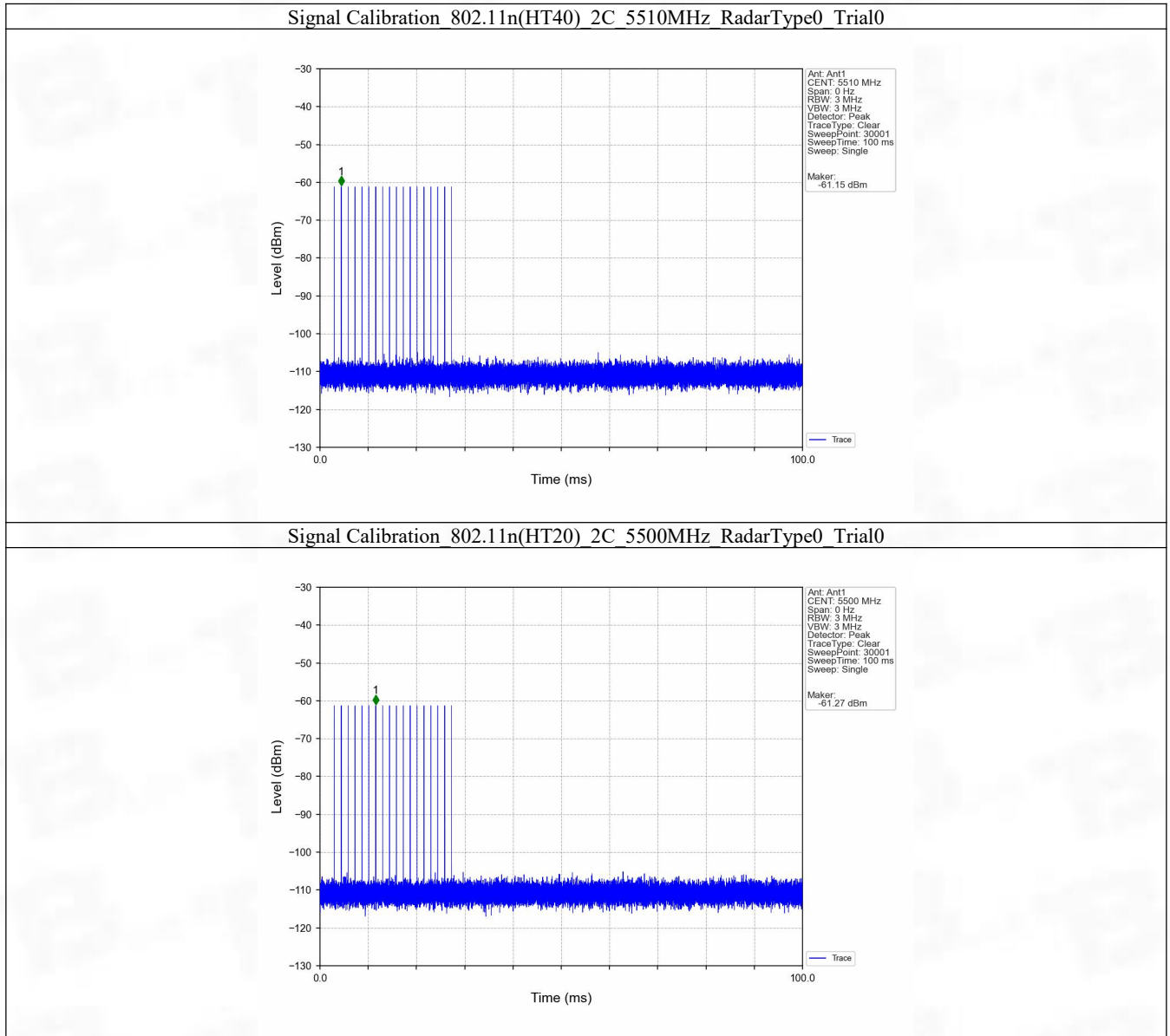
Calibration:

For a detection threshold level of -64dBm and the antenna gain is 5.54dBi, required ←detection threshold is -57.48dBm(= -64+1+5.52).

Note: Maximum Transmit Power is greater than 200 milliwatt in this report, so detection threshold level is -64dBm.

1.2 Test Graph

1.2.1 SC



2. Channel Loading (Payload)

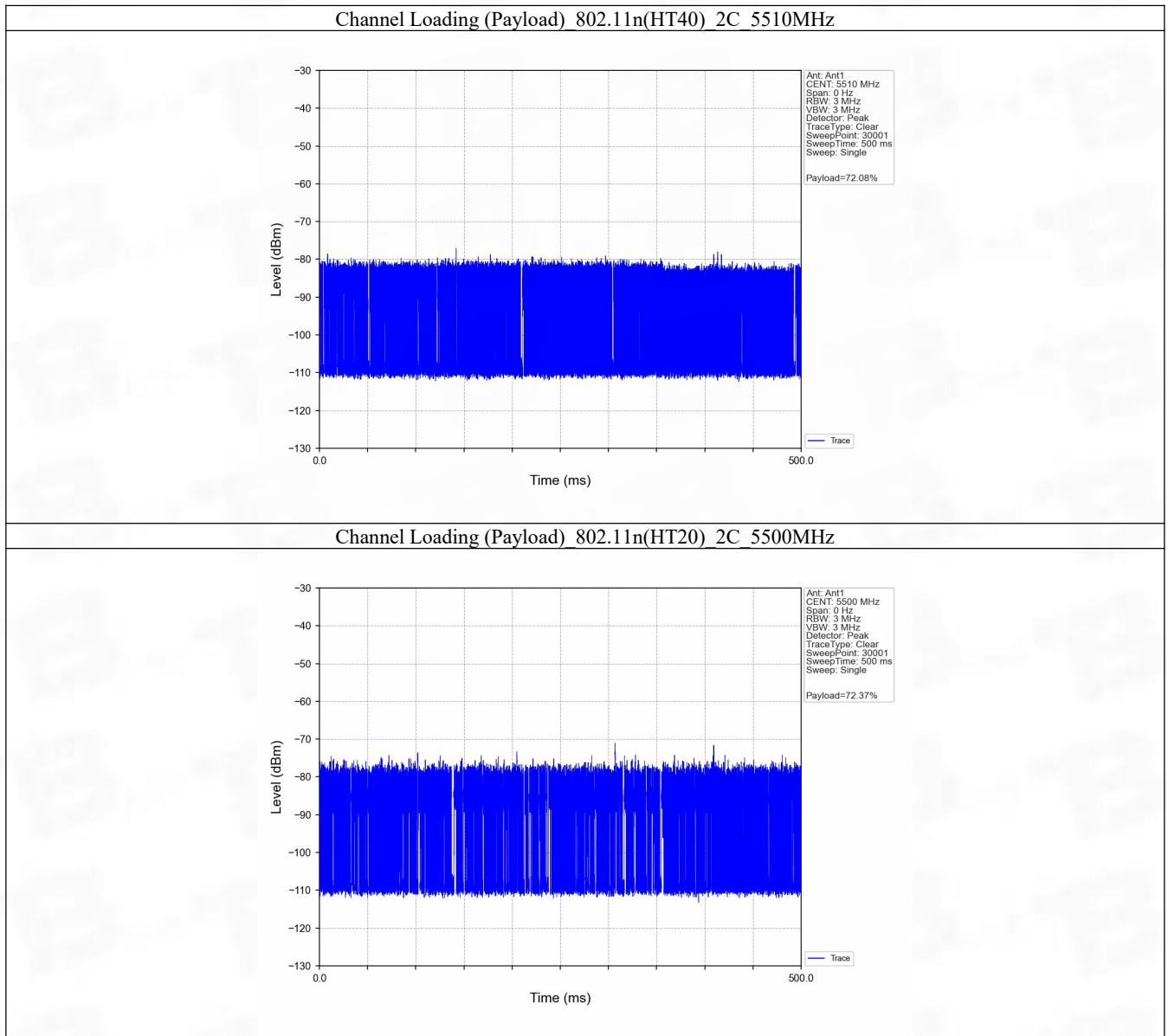
2.1 Test Result

2.1.1 Payload

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Loading (Payload) (%)		Verdict
			Result	Limit	
802.11n (HT40)	40	5510	72.08	≥ 17	Pass
802.11n (HT20)	20	5500	72.37	≥ 17	Pass

2.2 Test Graph

2.2.1 Payload



3. Channel Move Time and Closing Transmission Time

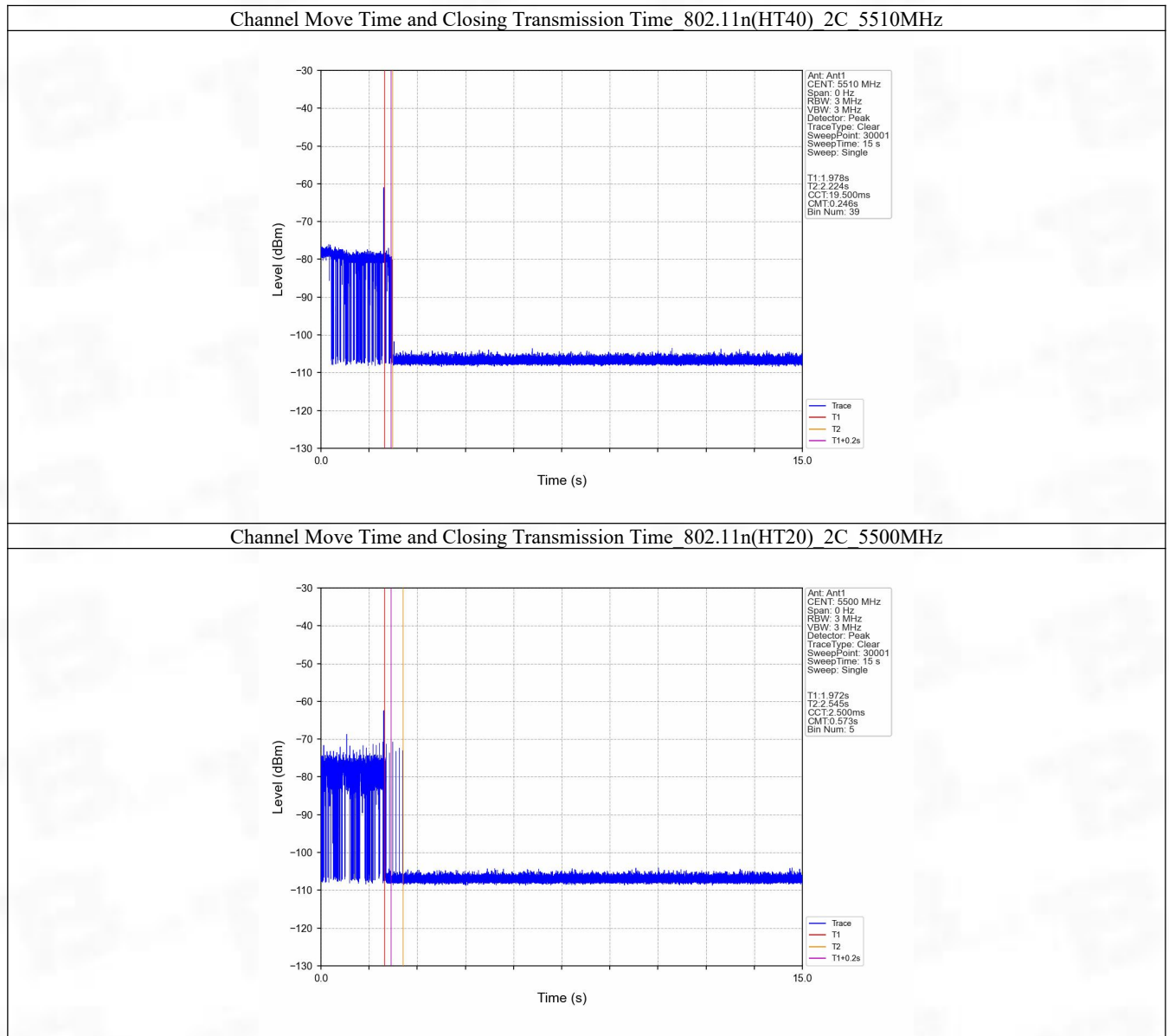
3.1 Test Result

3.1.1 CMT_CTT

Band: 2C							
Mode	Bandwidth (MHz)	Frequency (MHz)	Channel Closing Transmission Time (ms)		Channel Move Time (s)		Verdict
			Result	Limit	Result	Limit	
802.11n (HT40)	40	5510	19.500	≤ 60	0.246	≤ 10	Pass
802.11n (HT20)	20	5500	2.500	≤ 60	0.573	≤ 10	Pass

3.2 Test Graph

3.2.1 CMT_CTT



4. Non-Occupancy Period

4.1 Test Result

4.1.1 Period

Band: 2C					
Mode	Bandwidth (MHz)	Frequency (MHz)	Non-Occupancy Period		Verdict
			Result	Limit	
802.11n (HT40)	40	5510	Refer To Test Graph		Pass
802.11n (HT20)	20	5500	Refer To Test Graph		Pass

4.2 Test Graph

4.2.1 Period

