

1. Bandwidth

1.1 Test Result

1.1.1 OBW

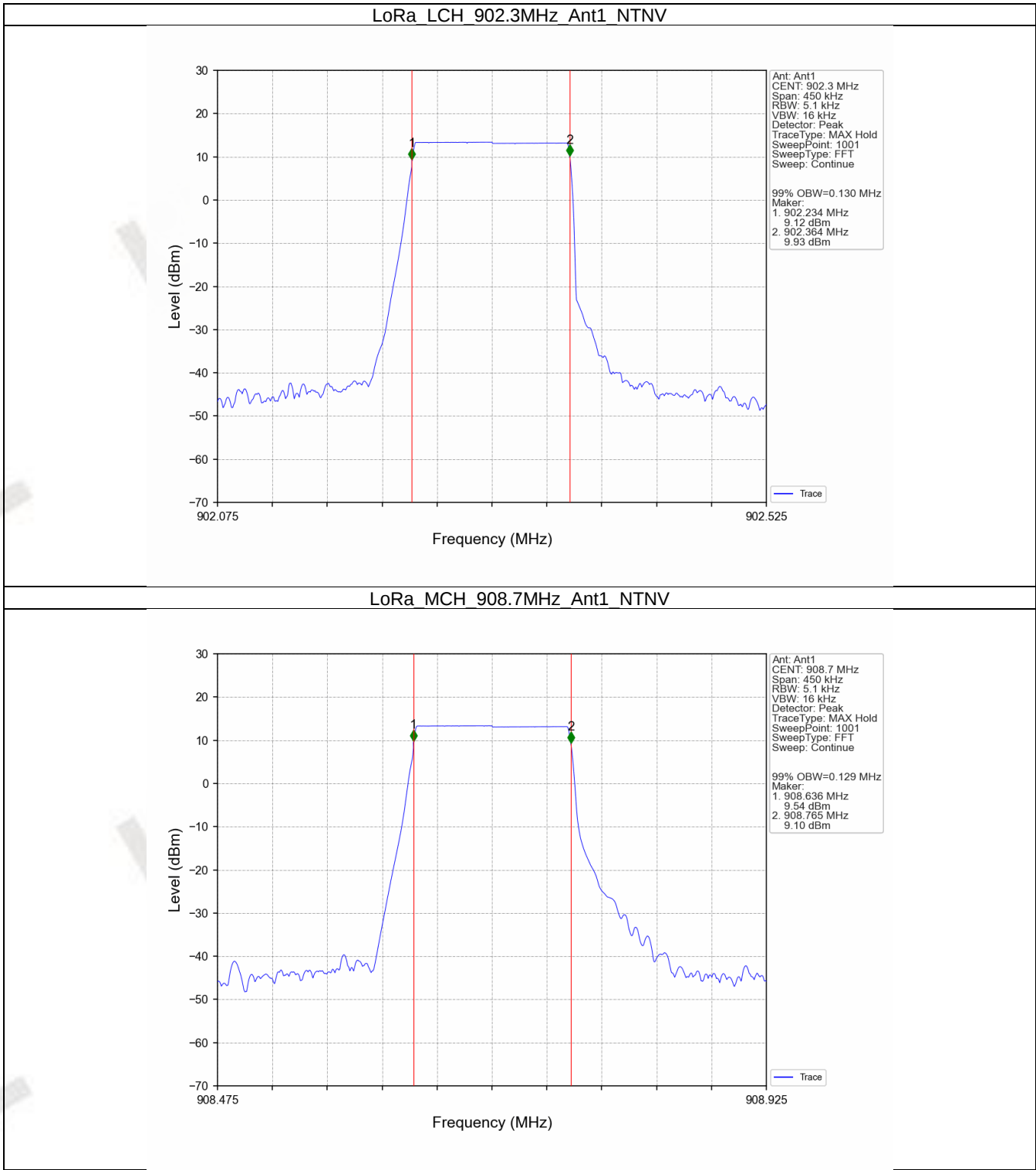
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
LoRa	SISO	902.3	1	0.130	/	Pass
		908.7	1	0.129	/	Pass
		914.9	1	0.130	/	Pass

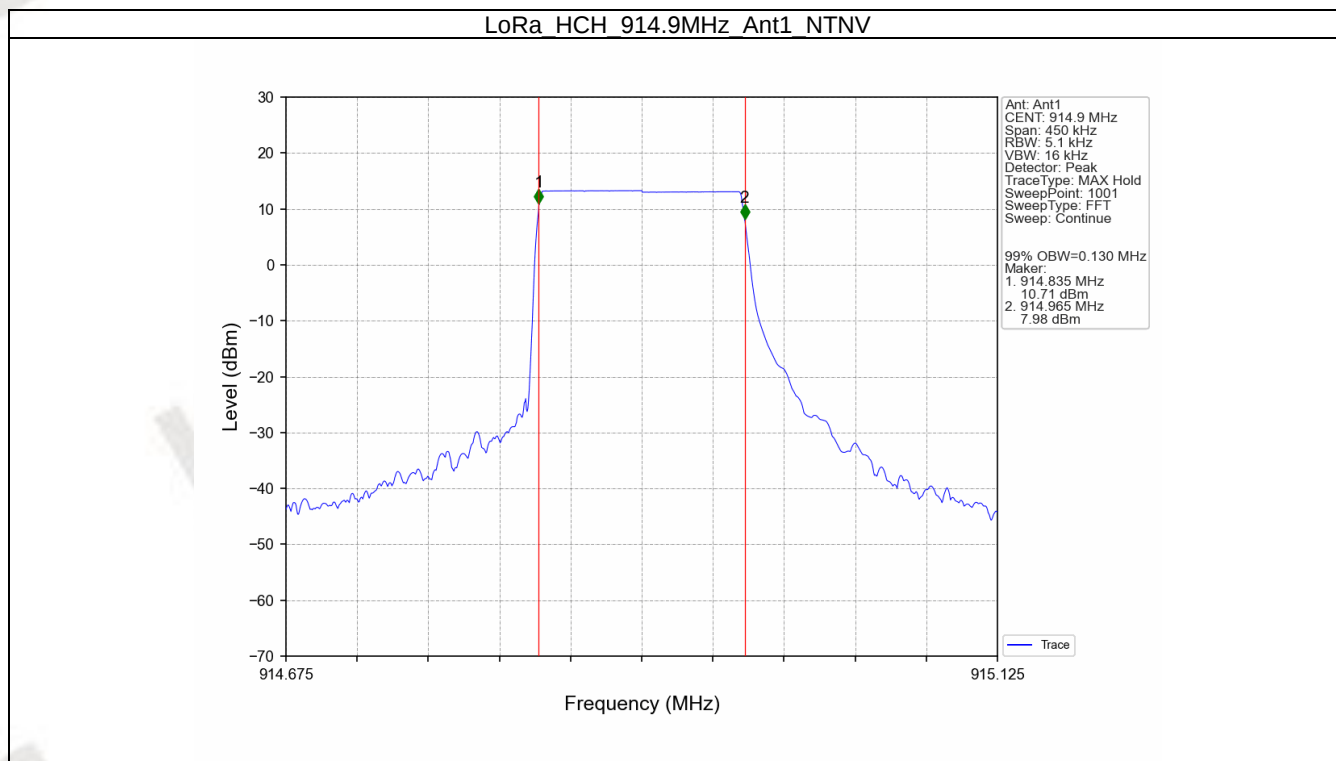
1.1.2 20dB BW

Mode	TX Type	Frequency (MHz)	ANT	20dB Bandwidth (MHz)		Verdict
				Result	Limit	
LoRa	SISO	902.3	1	0.138	≤ 0.25	Pass
		908.7	1	0.144	≤ 0.25	Pass
		914.9	1	0.139	≤ 0.25	Pass

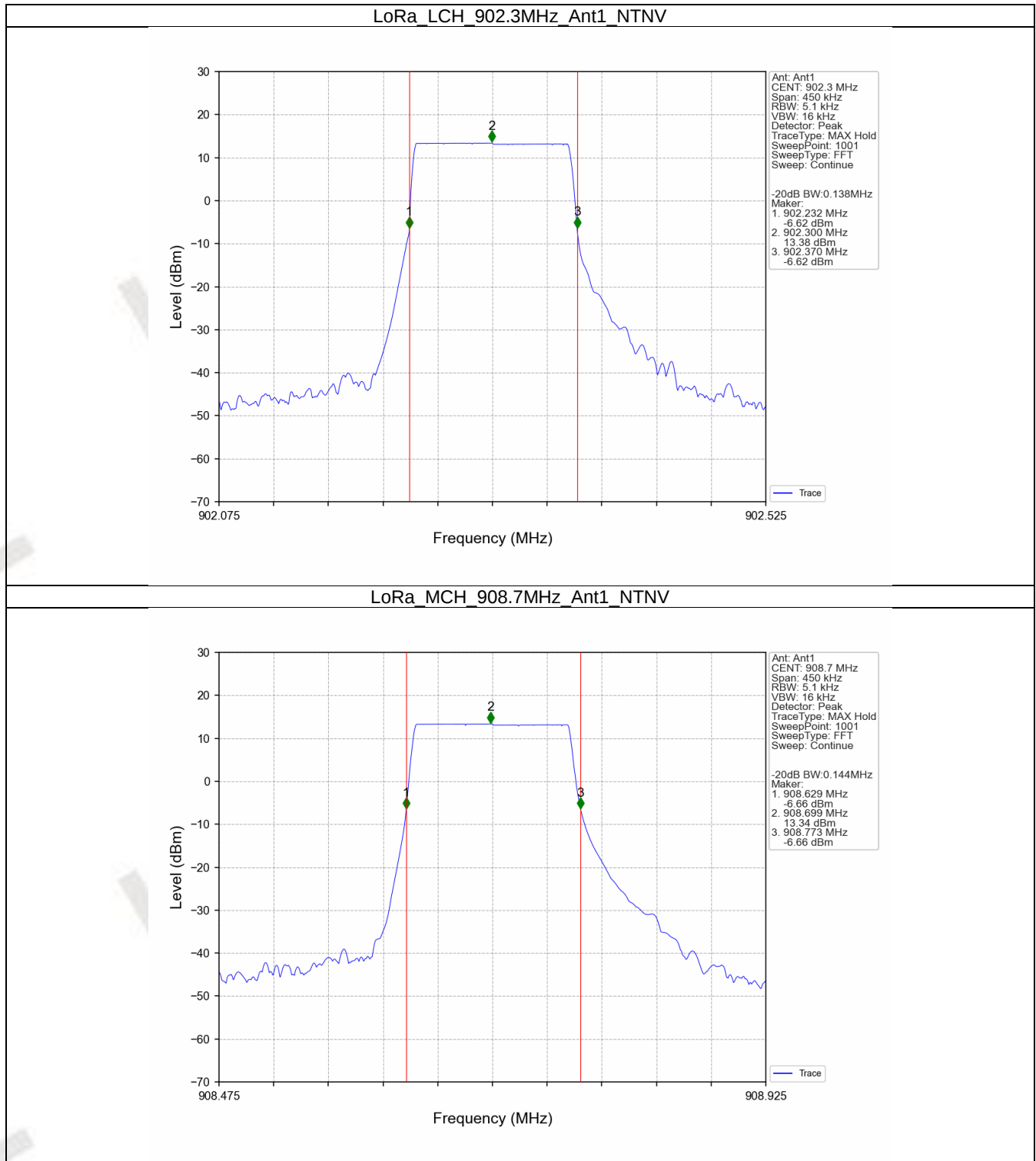
1.2 Test Graph

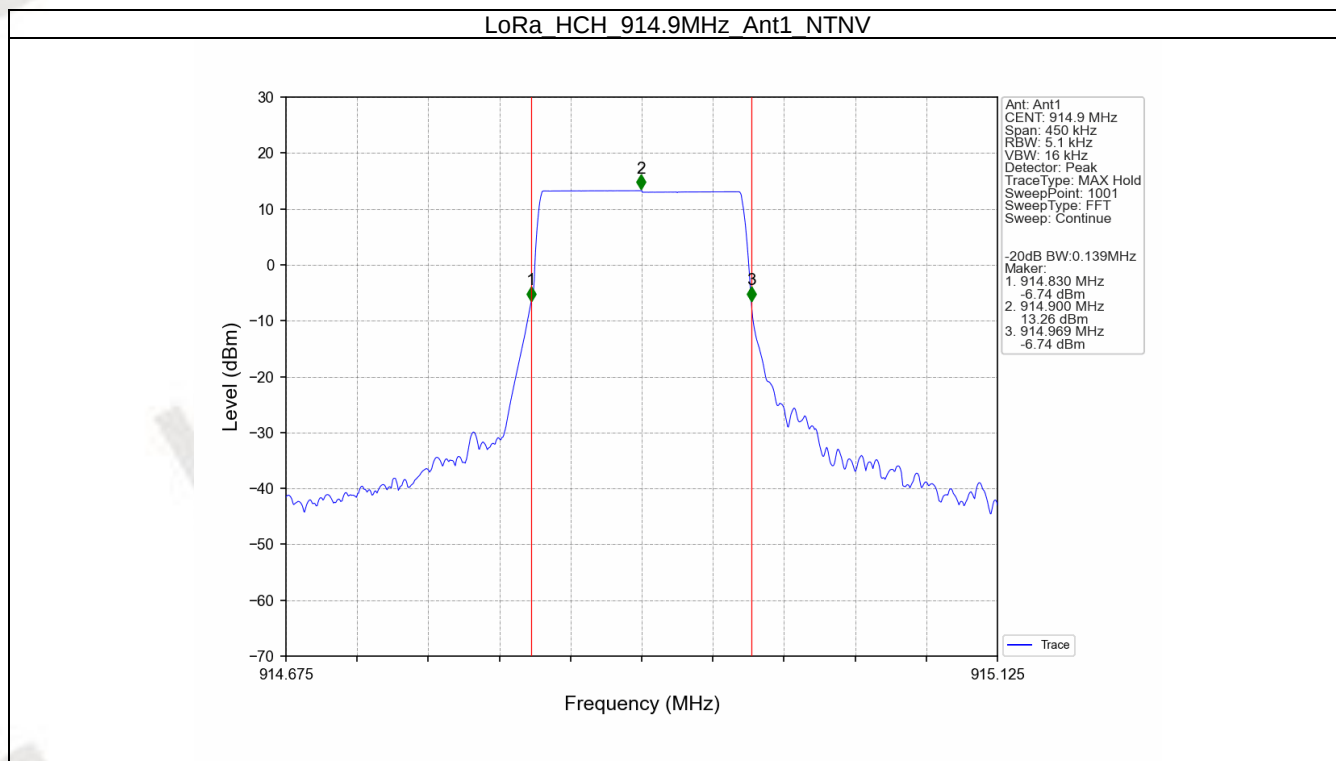
1.2.1 OBW





1.2.2 20dB BW





2. Maximum Conducted Output Power

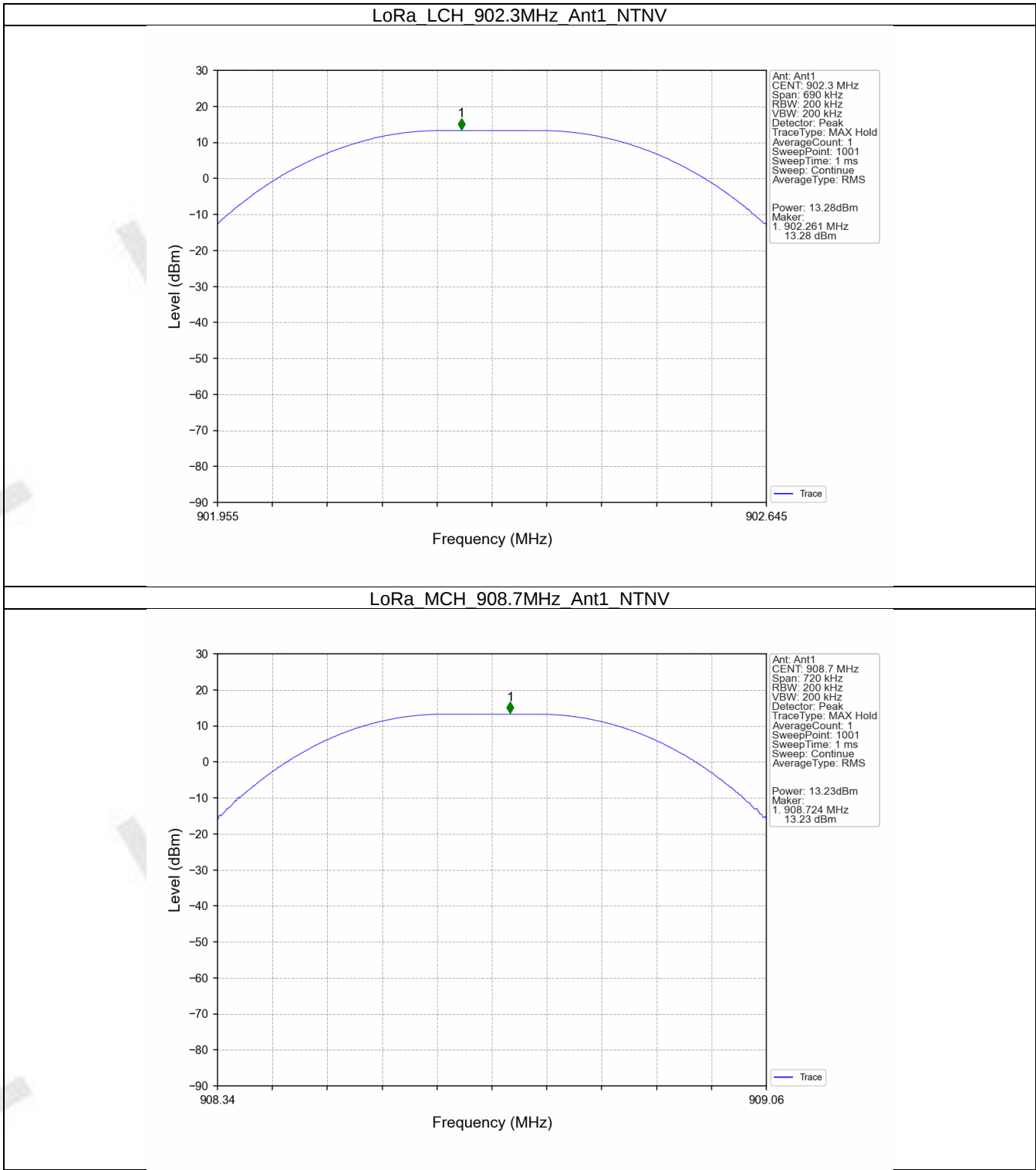
2.1 Test Result

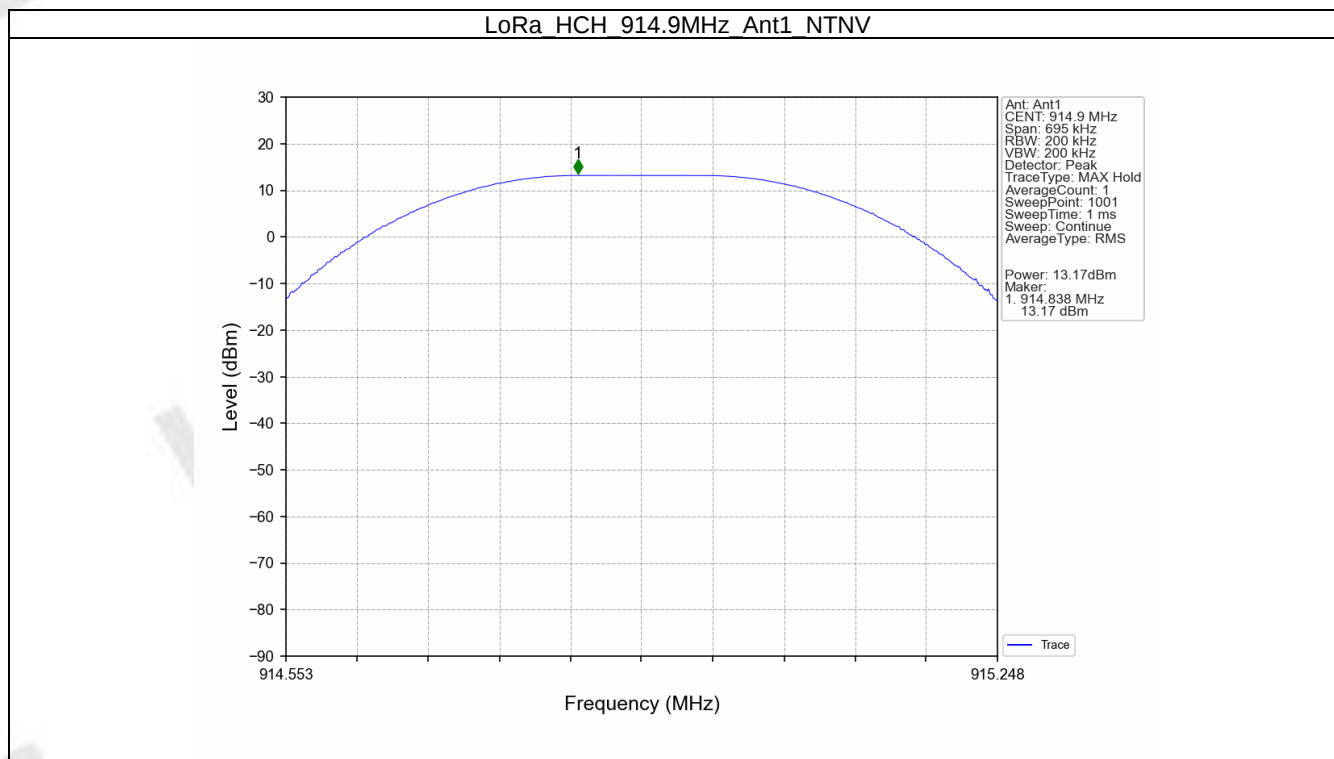
2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
LoRa	SISO	902.3	13.28	<=30	Pass
		908.7	13.23	<=30	Pass
		914.9	13.17	<=30	Pass
Note1: Antenna Gain: Ant1: 2.47dBi;					

2.2 Test Graph

2.2.1 Power





3. Carrier Frequency Separation

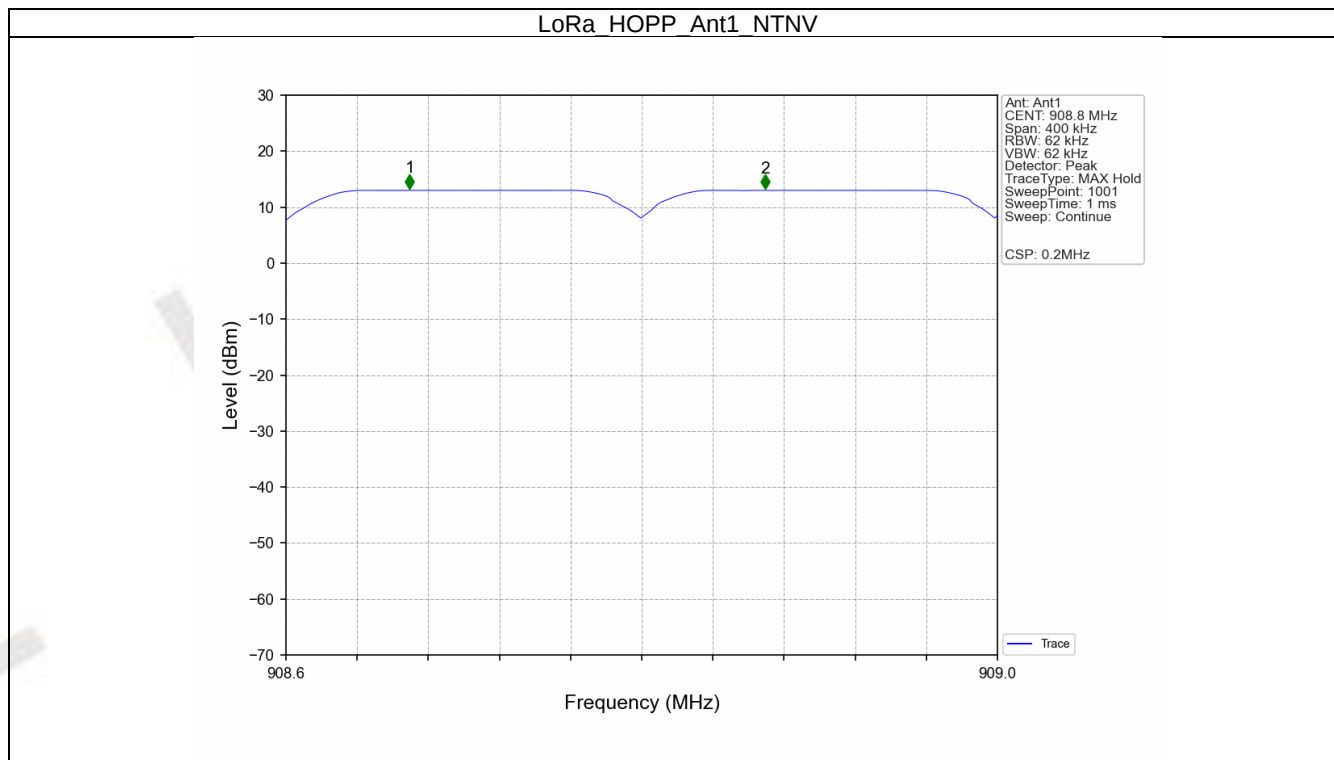
3.1 Test Result

3.1.1 Ant1

Ant1						
Mode	TX Type	Frequency (MHz)	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
LoRa	SISO	HOPP	0.200	0.144	≥ 0.144	Pass

3.2 Test Graph

3.2.1 Ant1



4. Number of Hopping Frequencies

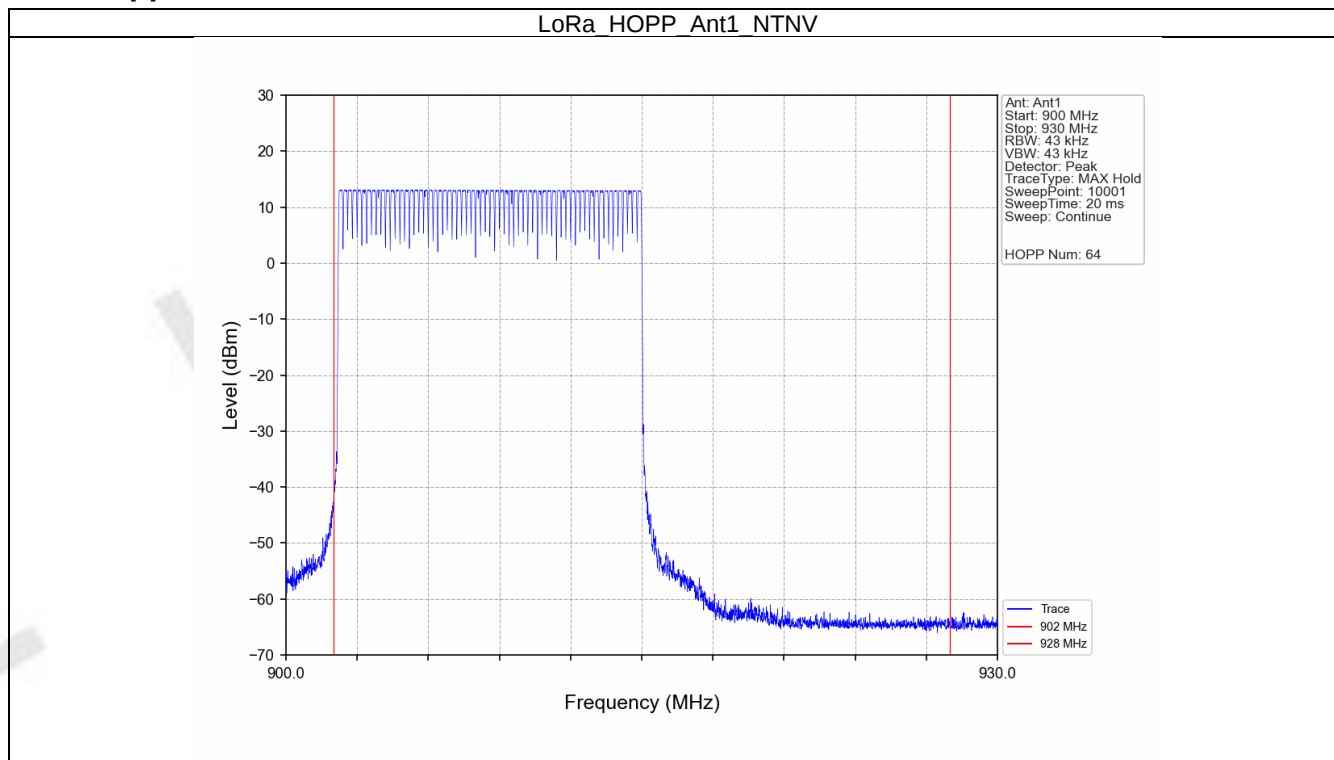
4.1 Test Result

4.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Num of Hopping Frequencies		Verdict
			ANT1	Limit	
LoRa	SISO	HOPP	64	>=50	Pass

4.2 Test Graph

4.2.1 HoppNum



5. Time of Occupancy (Dwell Time)

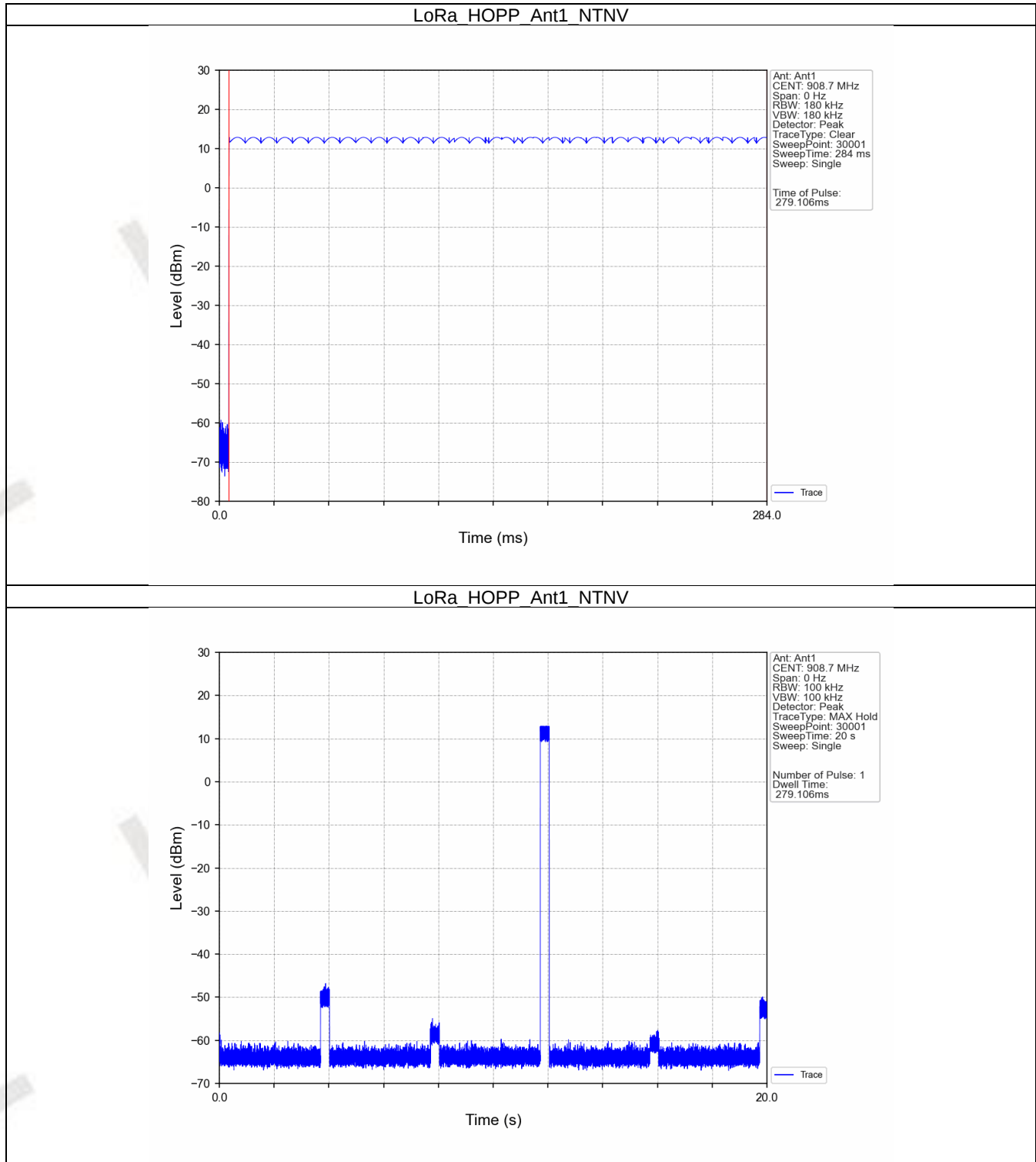
5.1 Test Result

5.1.1 Ant1

Ant1								
Mode	TX Type	Frequency (MHz)	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
LoRa	SISO	HOPP	279.106	20.000	1	279.106	<=400	PASS

5.2 Test Graph

5.2.1 Ant1



6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Test Result

6.1.1 Ref

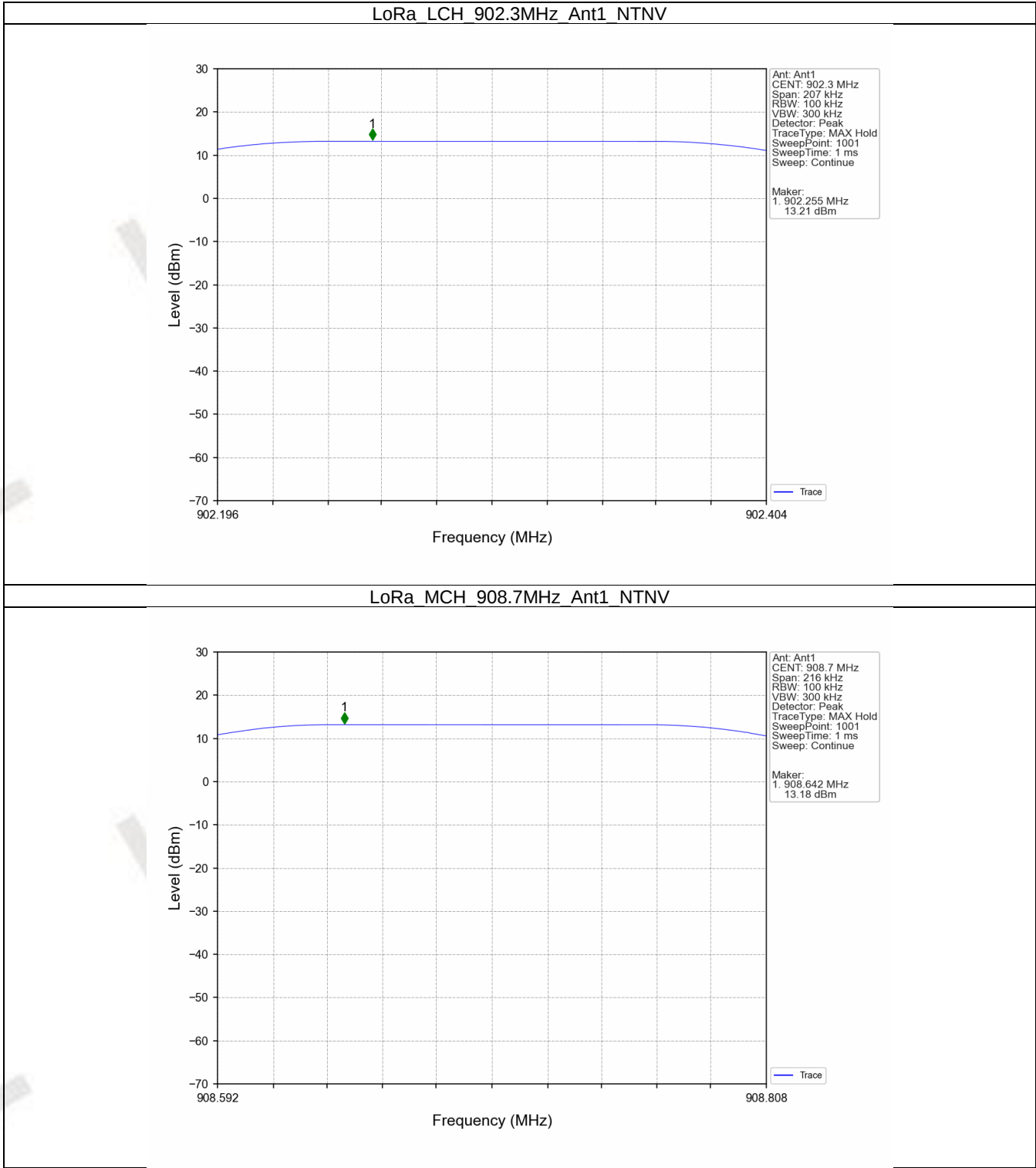
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
LoRa	SISO	902.3	1	13.21
		908.7	1	13.18
		914.9	1	13.09
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.				

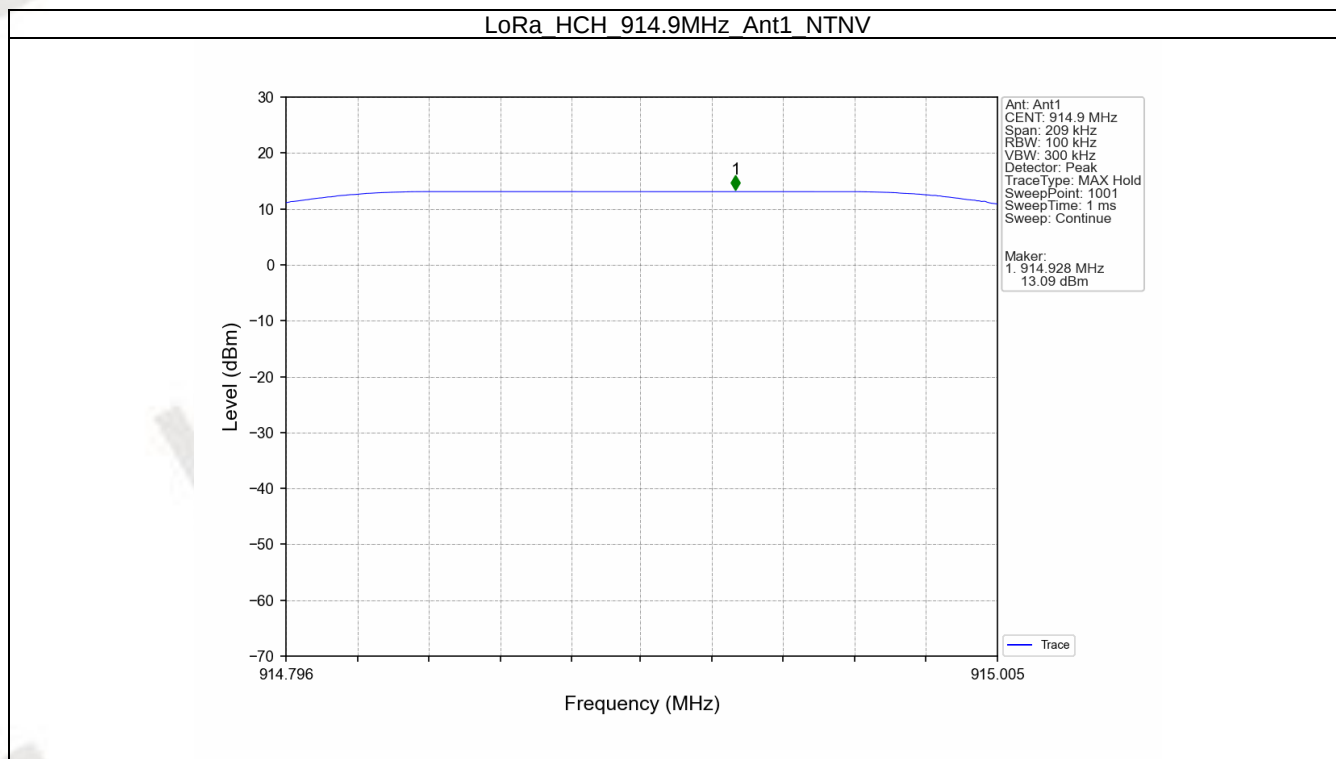
6.1.2 CSE

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
LoRa	SISO	902.3	1	13.21	-6.79	Pass
		908.7	1	13.21	-6.79	Pass
		914.9	1	13.21	-6.79	Pass
		HOPP	1	13.21	-6.79	Pass
				13.21	-6.79	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.						

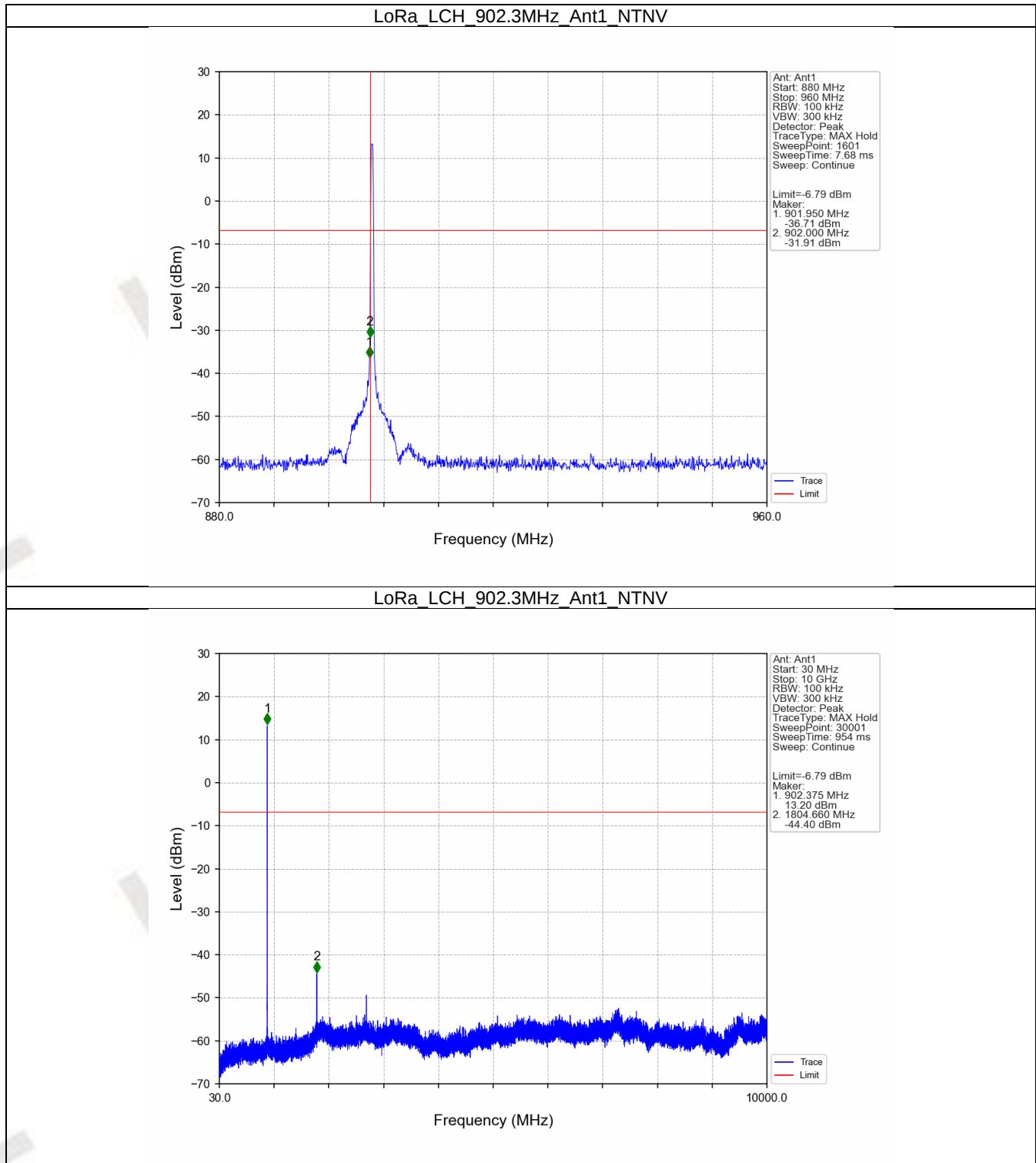
6.2 Test Graph

6.2.1 Ref

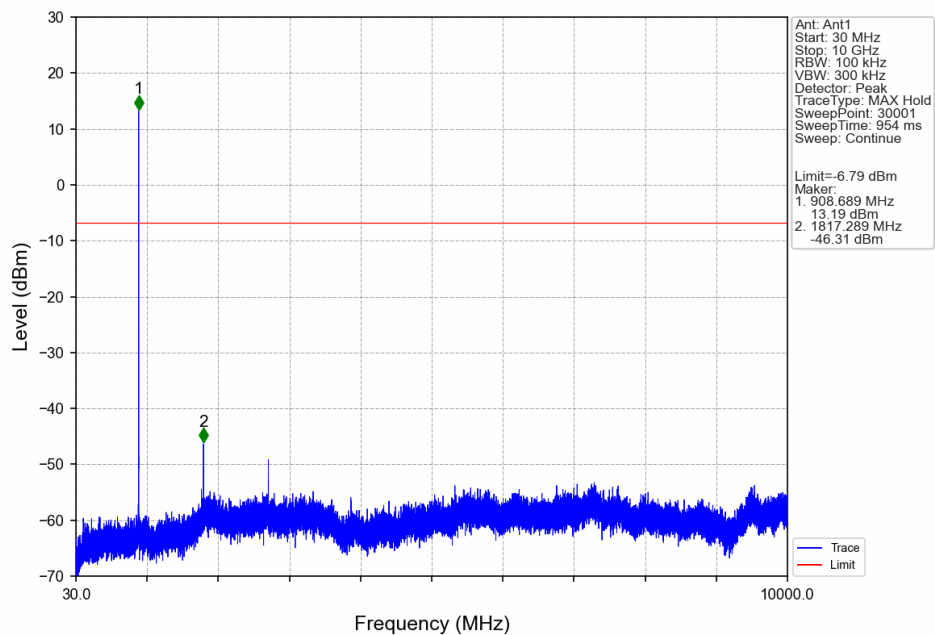




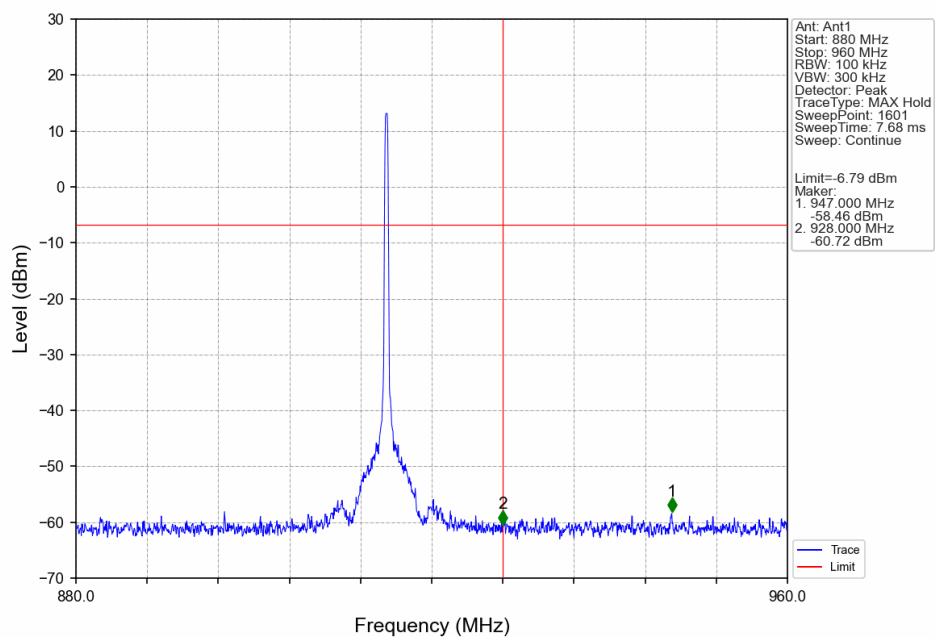
6.2.2 CSE



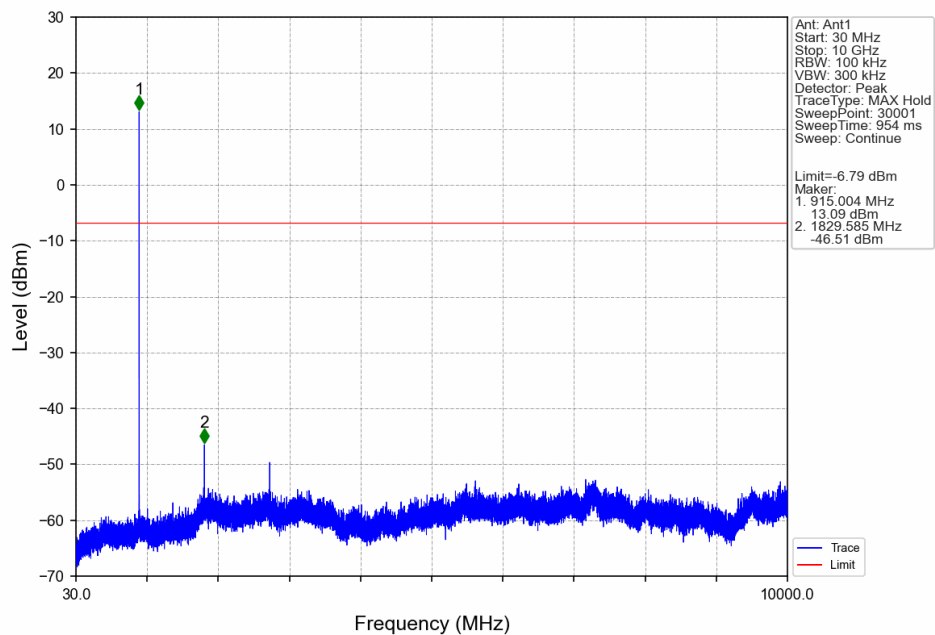
LoRa_MCH_908.7MHz_Ant1_NTNV



LoRa_HCH_914.9MHz_Ant1_NTNV



LoRa HCH 914.9MHz Ant1 NTN



LoRa HOPP Ant1 NTN

