

Appendix A for KSCR211200037701

1. Bandwidth

1.1 OBW

1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
FSK	SISO	912.5	1	0.084	Pass
			2	0.084	Pass
		915	1	0.084	Pass
			2	0.084	Pass
		917.4	1	0.085	Pass
			2	0.084	Pass



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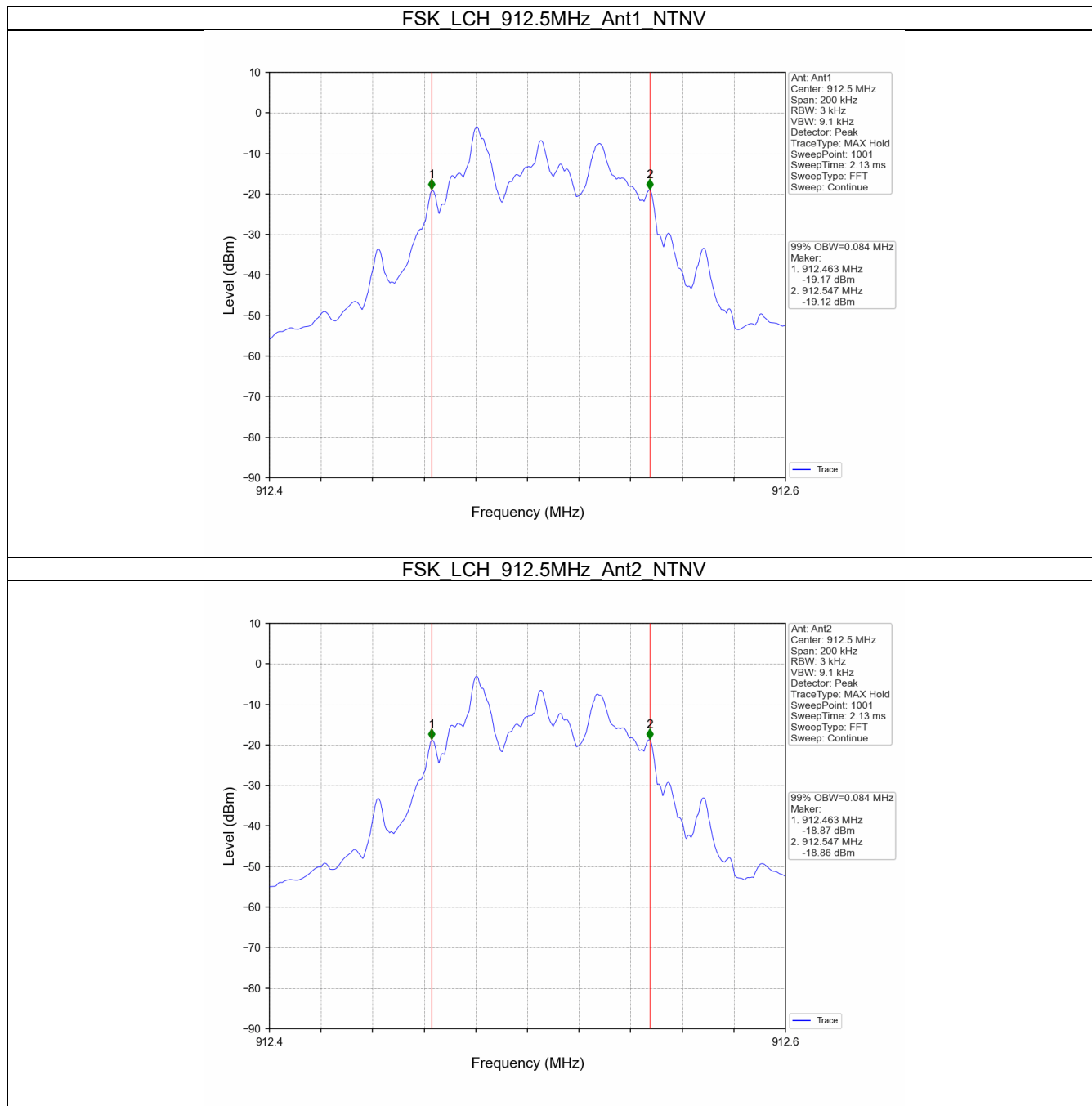
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1.1.2 Test Graph



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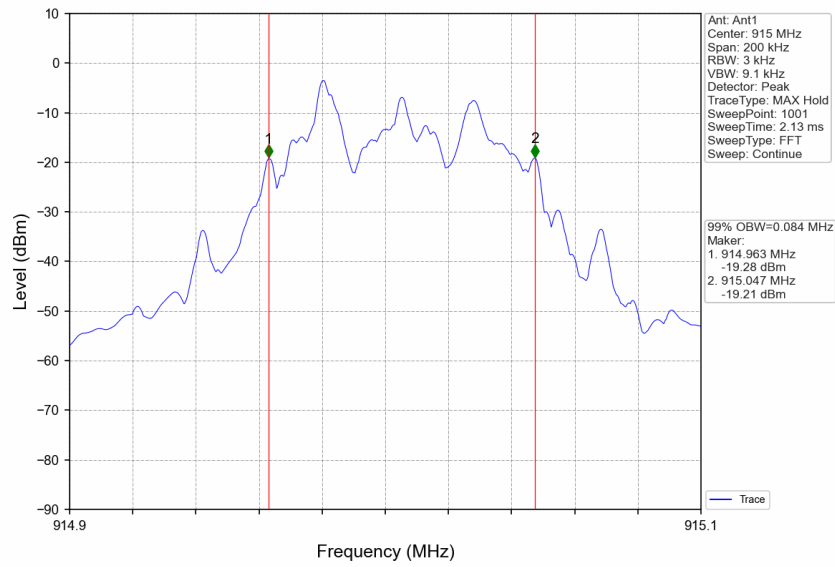
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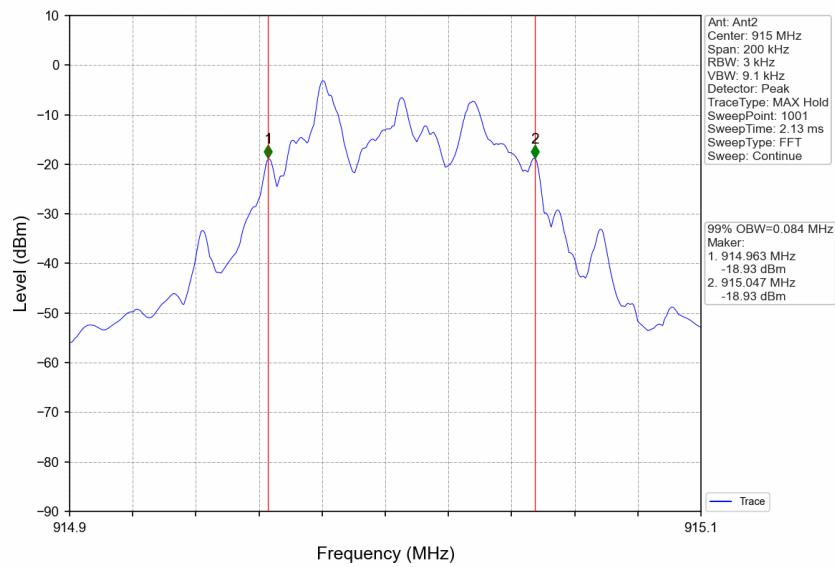
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FSK MCH 915MHz Ant1 NTN



FSK MCH 915MHz Ant2 NTN



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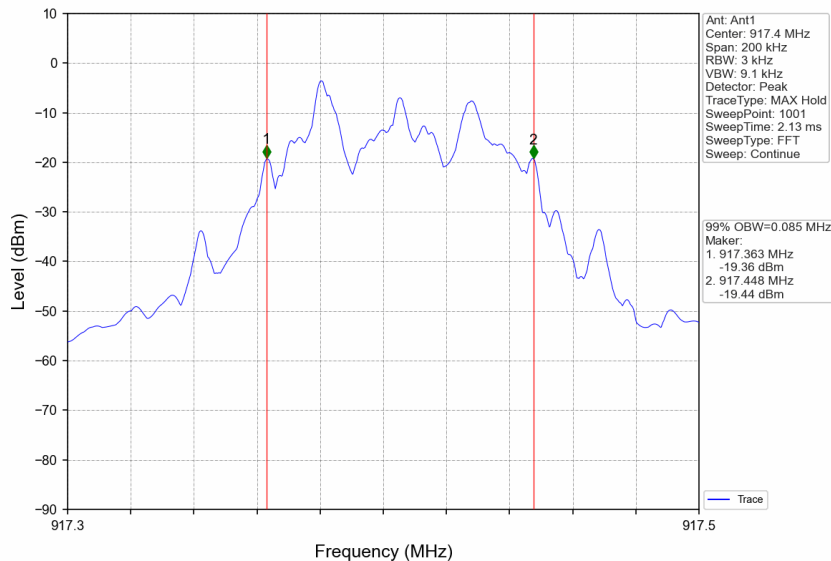
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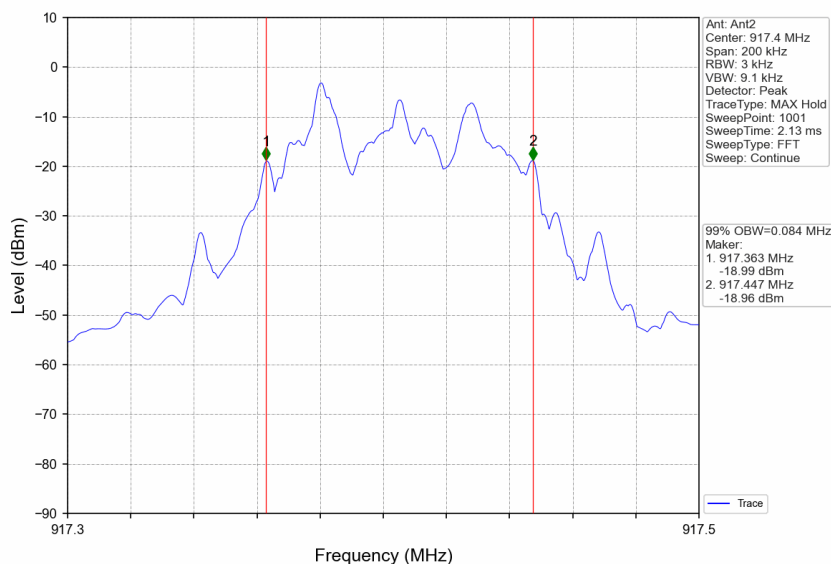
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FSK HCH 917.4MHz Ant1 NTN



FSK HCH 917.4MHz Ant2 NTN



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1.2 20dB BW

1.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	20dB Bandwidth (MHz)	Verdict
				Result	
FSK	SISO	912.5	1	0.088	Pass
			2	0.088	Pass
		915	1	0.088	Pass
			2	0.088	Pass
		917.4	1	0.088	Pass
			2	0.088	Pass



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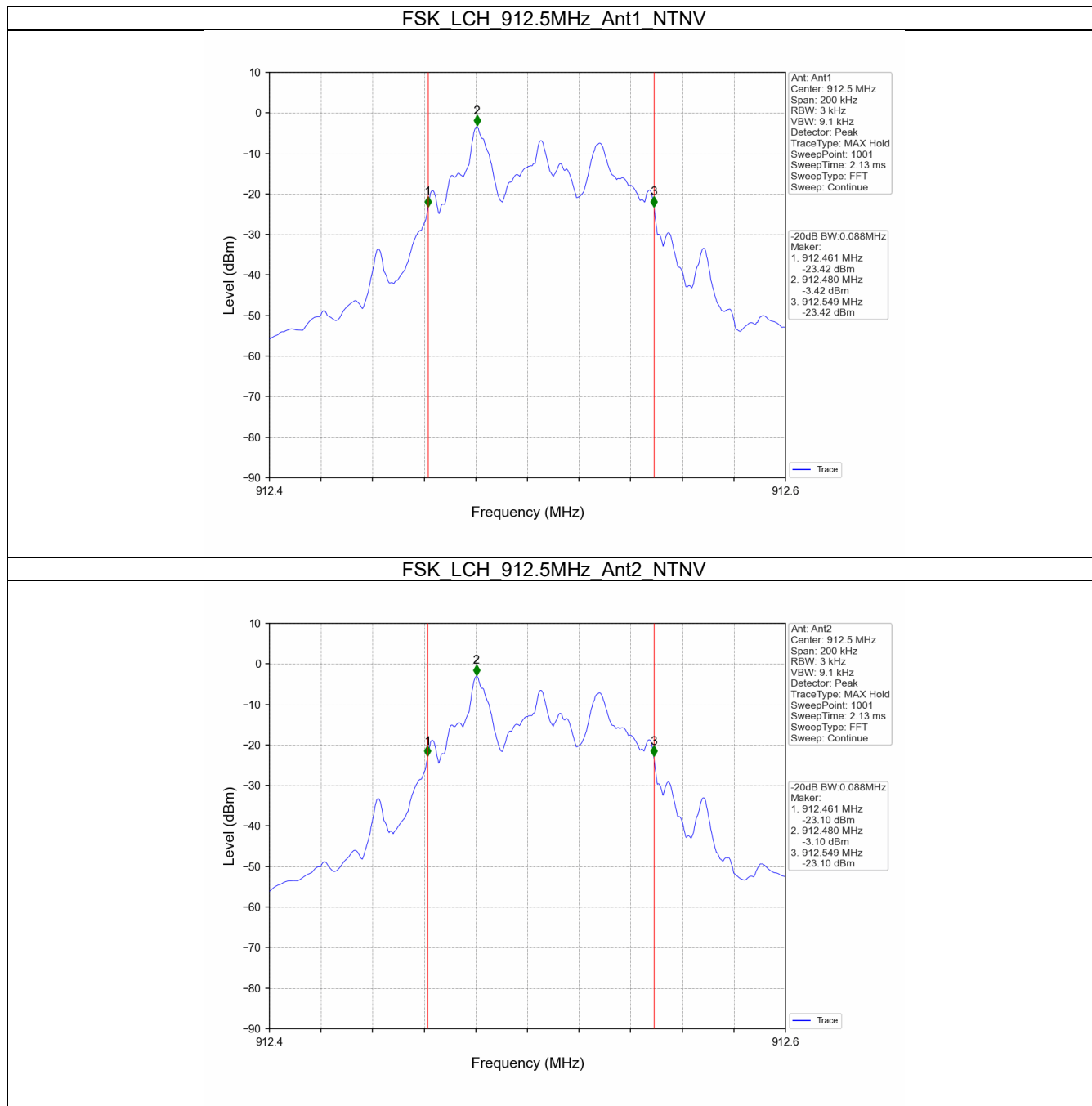
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1.2.2 Test Graph



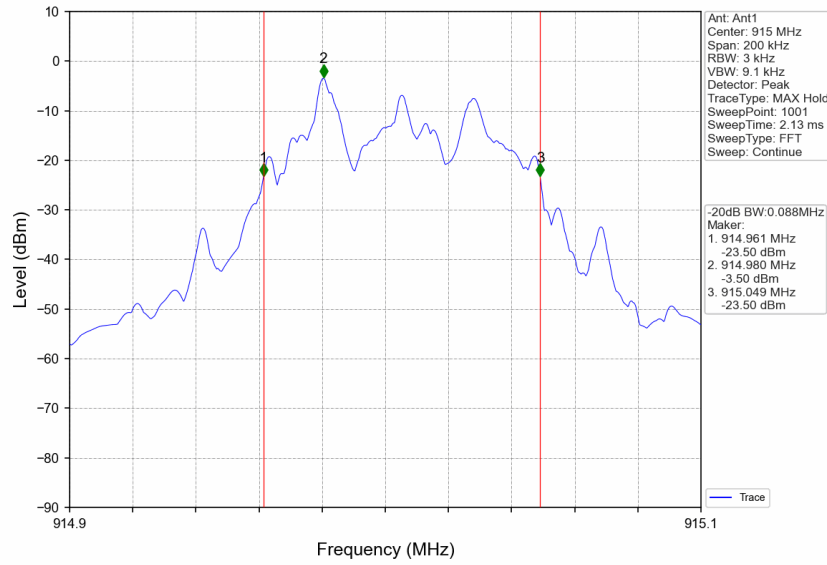
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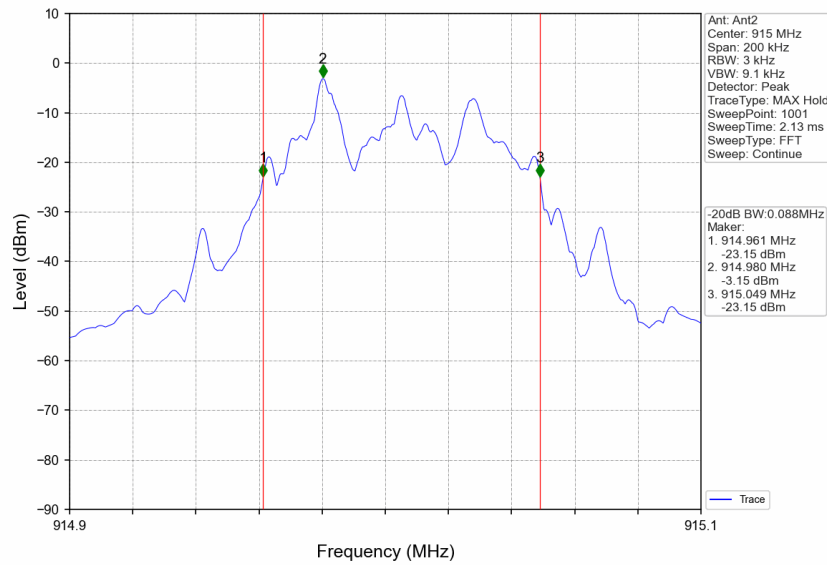
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FSK_MCH_915MHz_Ant1_NTNV



FSK_MCH_915MHz_Ant2_NTNV

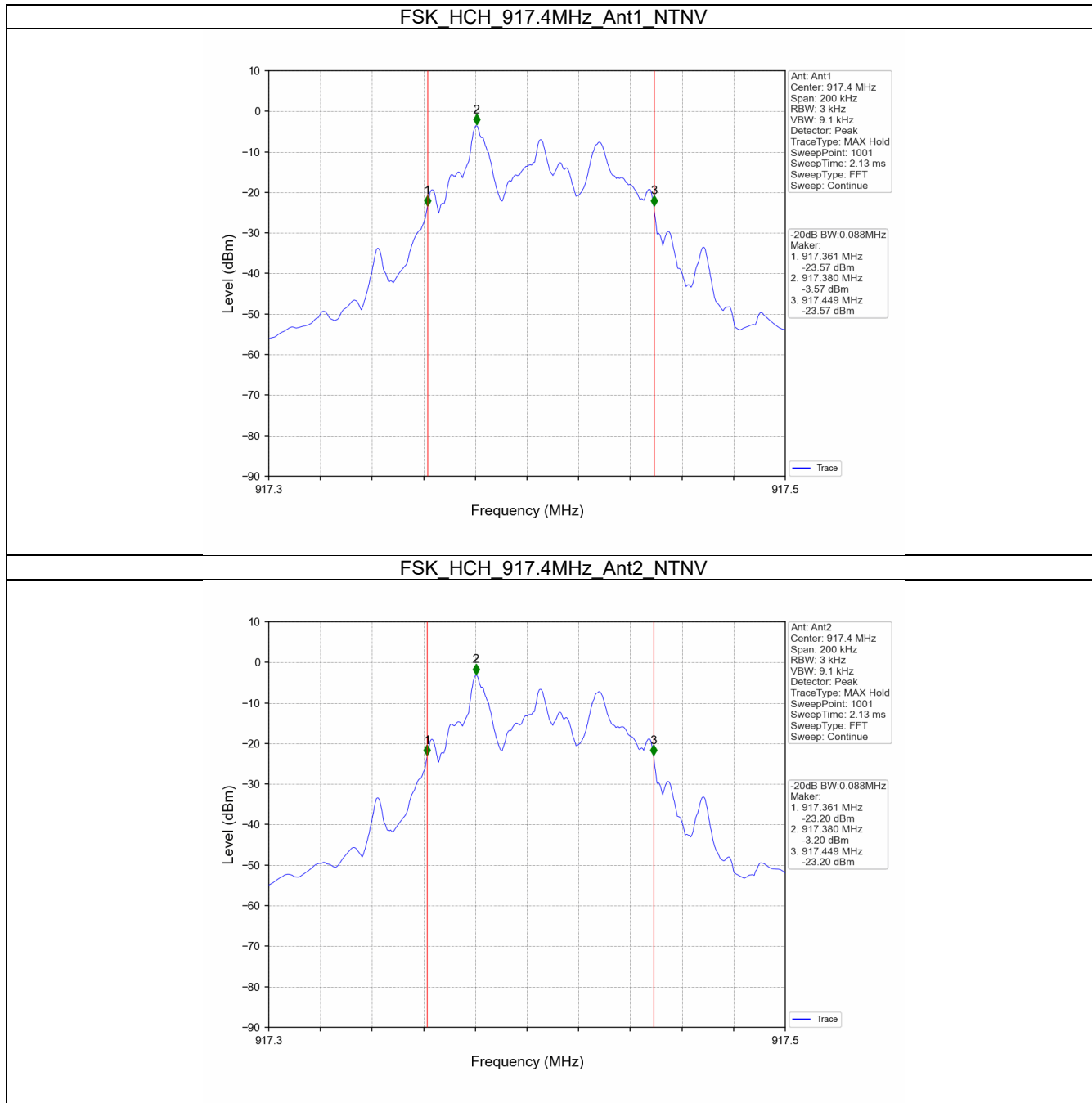


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2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)			Verdict
			Ant1	Ant2	Limit	
FSK	SISO	912.5	-3.44	-3.12	<=30	Pass
		915	-3.52	-3.17	<=30	Pass
		917.4	-3.61	-3.22	<=30	Pass

Note1: Antenna Gain: Ant1: 3.30dBi; Ant2: -0.39dBi;

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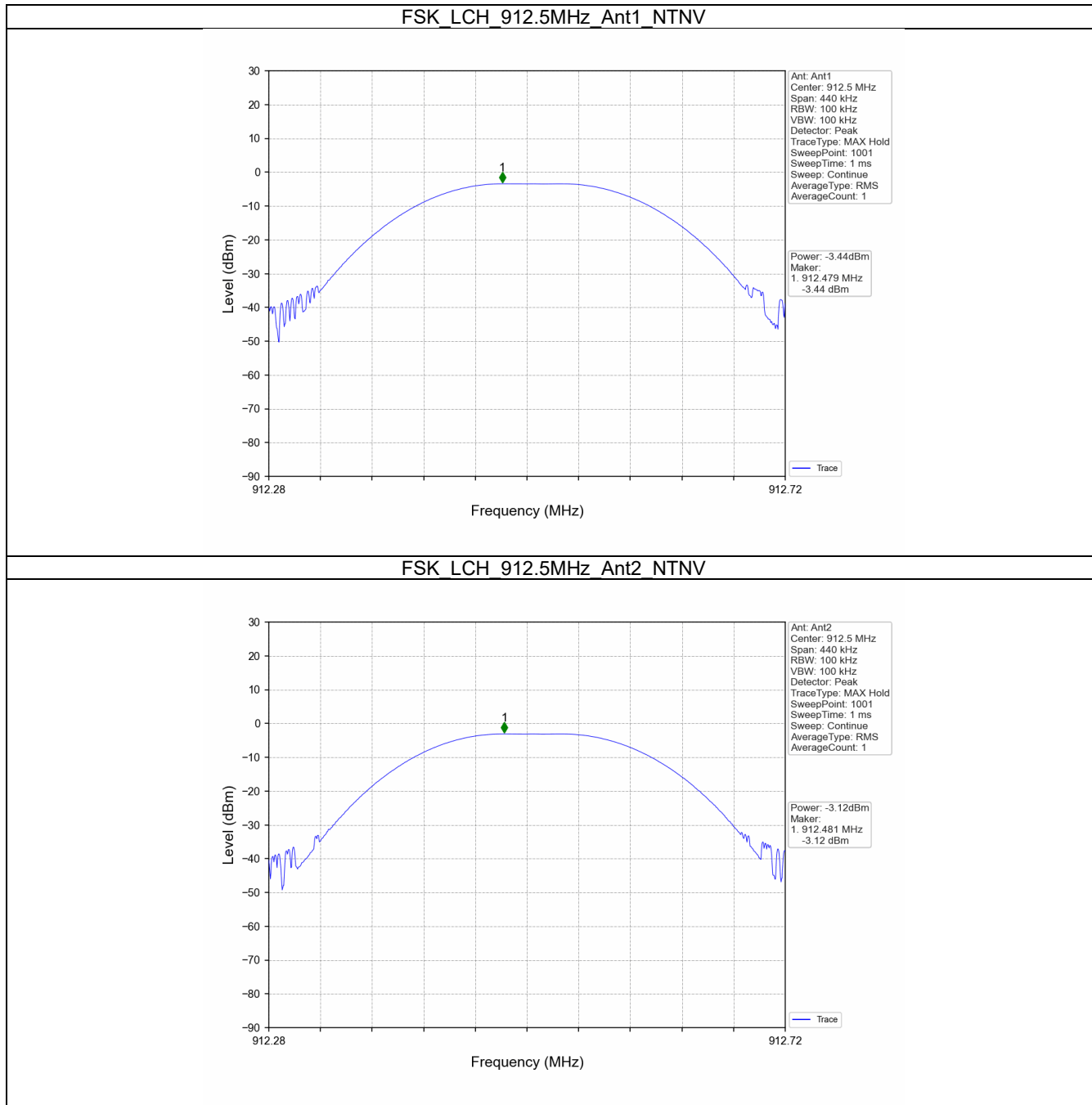
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2.1.2 Test Graph



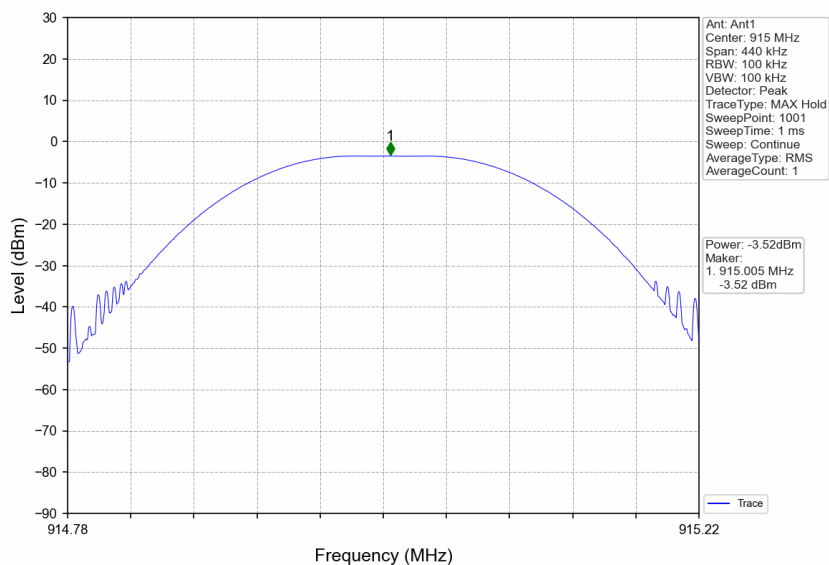
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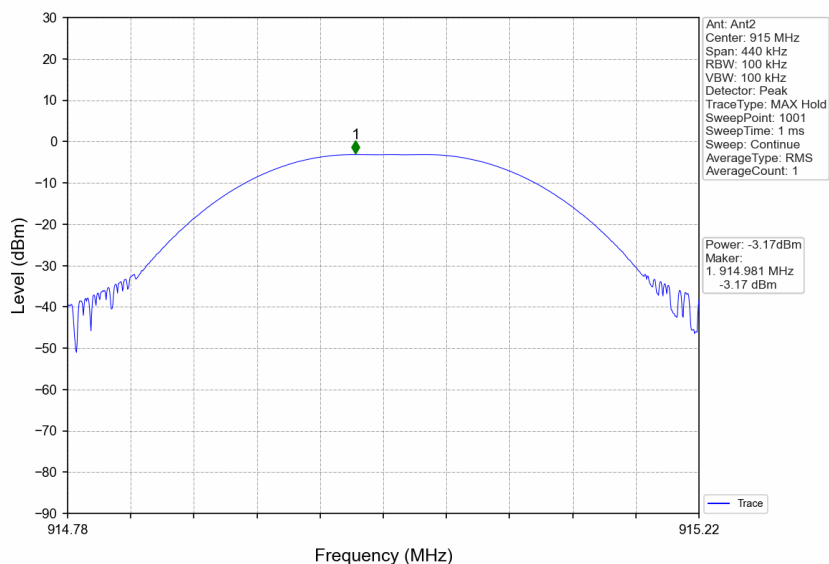
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FSK MCH 915MHz Ant1 NTN



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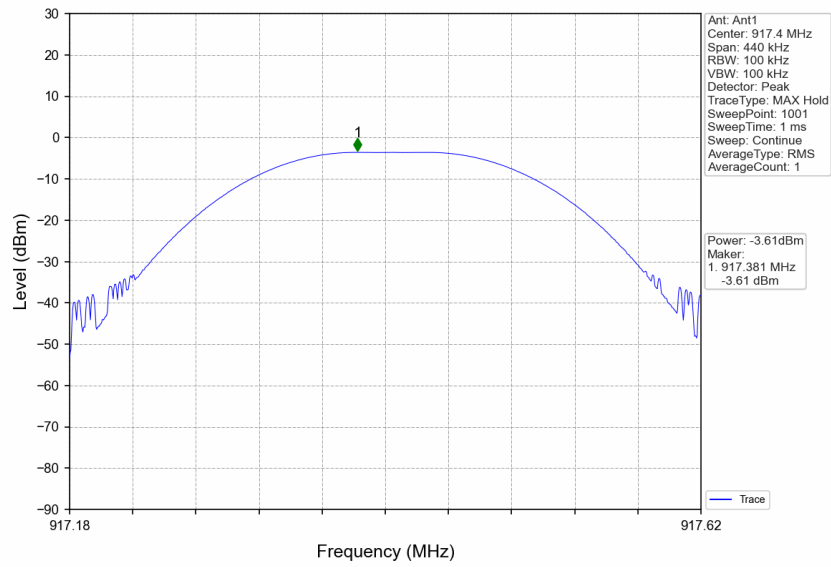
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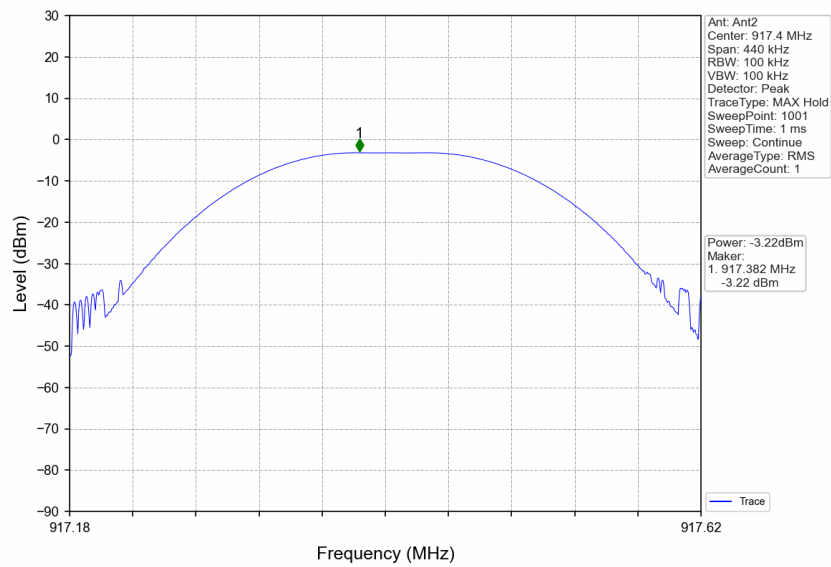
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FSK HCH 917.4MHz Ant1 NTVN



FSK HCH 917.4MHz Ant2 NTVN



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3. Carrier Frequency Separation

3.1 Ant1

3.1.1 Test Result

Ant1						
Mode	TX Type	Frequency (MHz)	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
FSK	SISO	HOPP	0.100	0.088	>=0.088	Pass

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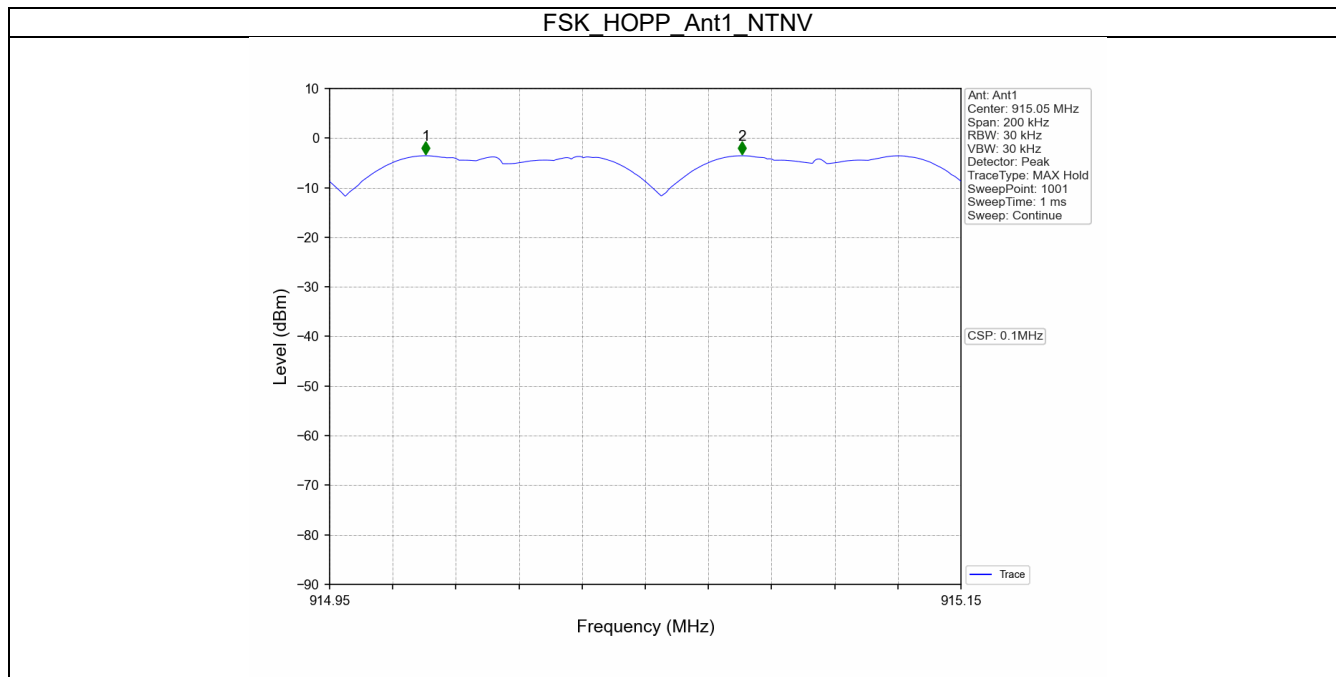
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3.1.2 Test Graph



3.2 Ant2

3.2.1 Test Result

Ant2						
Mode	TX Type	Frequency (MHz)	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
FSK	SISO	HOPP	0.103	0.088	>=0.088	Pass



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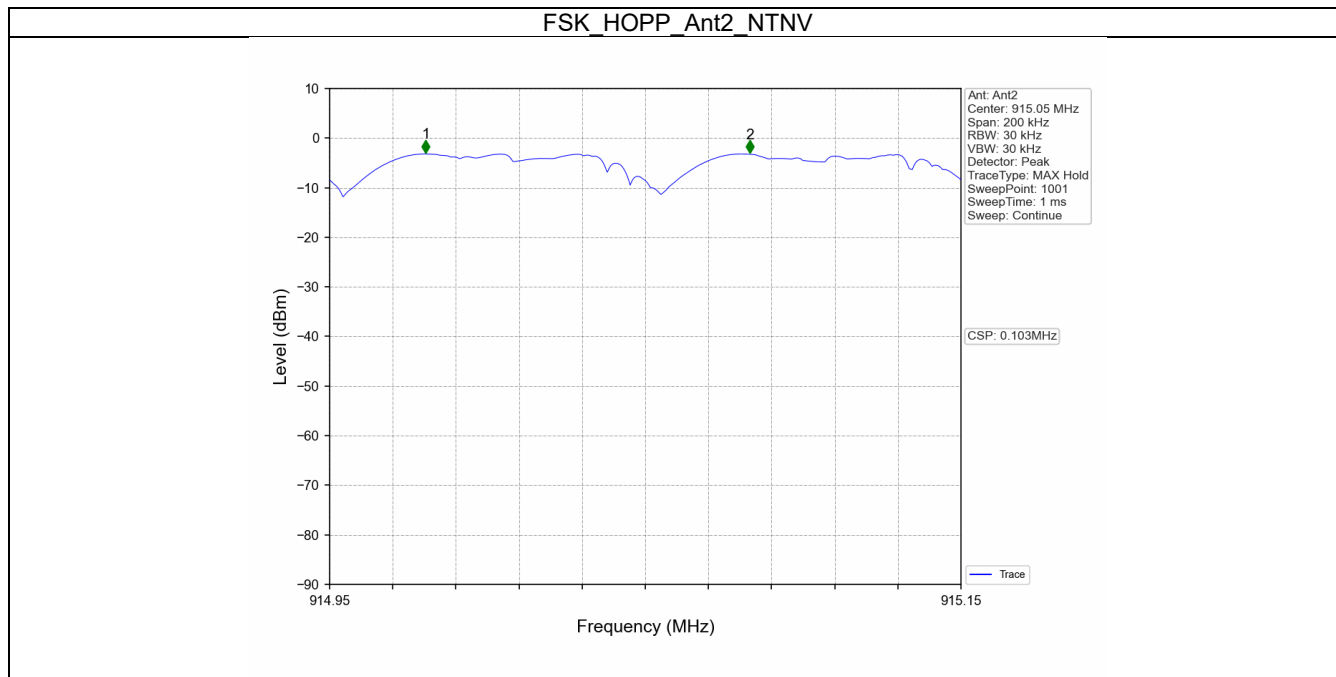
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3.2.2 Test Graph



4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Num of Hopping Frequencies			Verdict
			Ant1	Ant2	Limit	
FSK	SISO	HOPP	50	50	>=50	Pass



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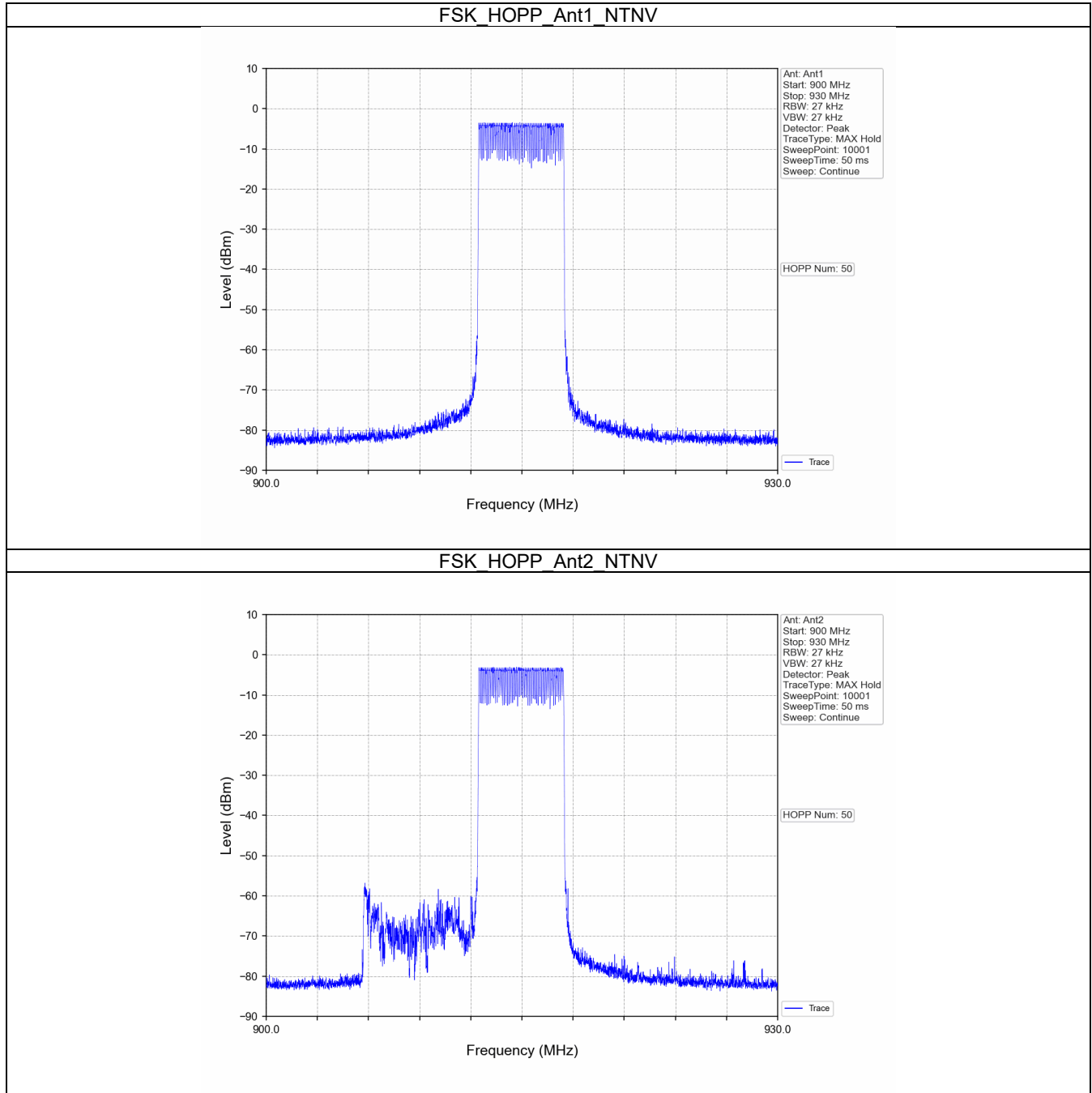
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4.1.2 Test Graph



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5. Time of Occupancy (Dwell Time)

5.1 Ant1

5.1.1 Test Result

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
FSK	SISO	HOPP	18.233	20.000	18	328.194	<=400	Pass



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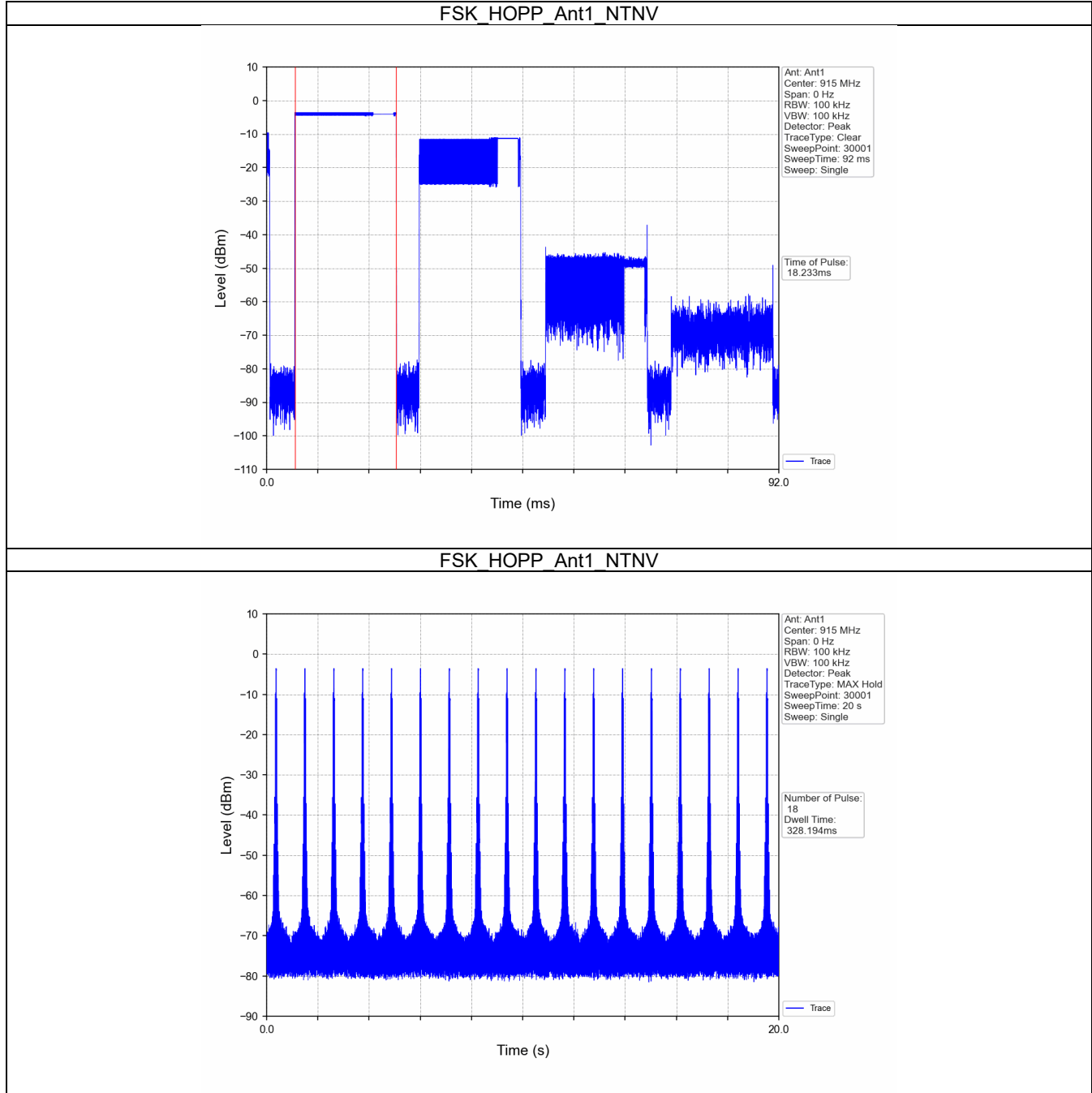
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5.1.2 Test Graph



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5.2 Ant2

5.2.1 Test Result

Ant2								
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
FSK	SISO	HOPP	18.231	20.000	18	328.158	<=400	Pass

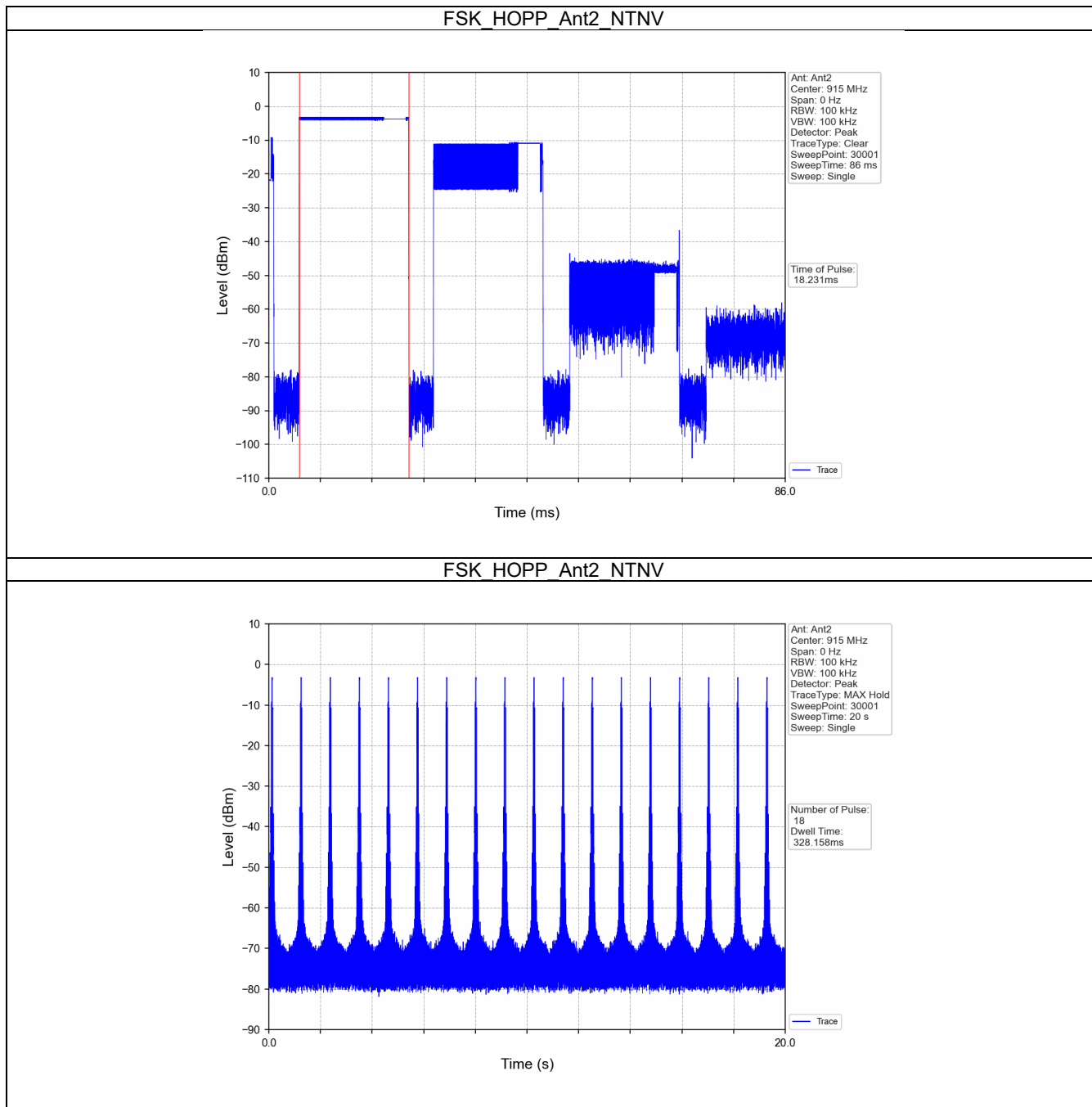


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5.2.2 Test Graph



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6. Unwanted Emissions In Non-restricted Frequency Bands

6.1 Ref

6.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
FSK	SISO	912.5	1	-3.44
			2	-3.12
		915	1	-3.52
			2	-3.17
		917.4	1	-3.61
			2	-3.22

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.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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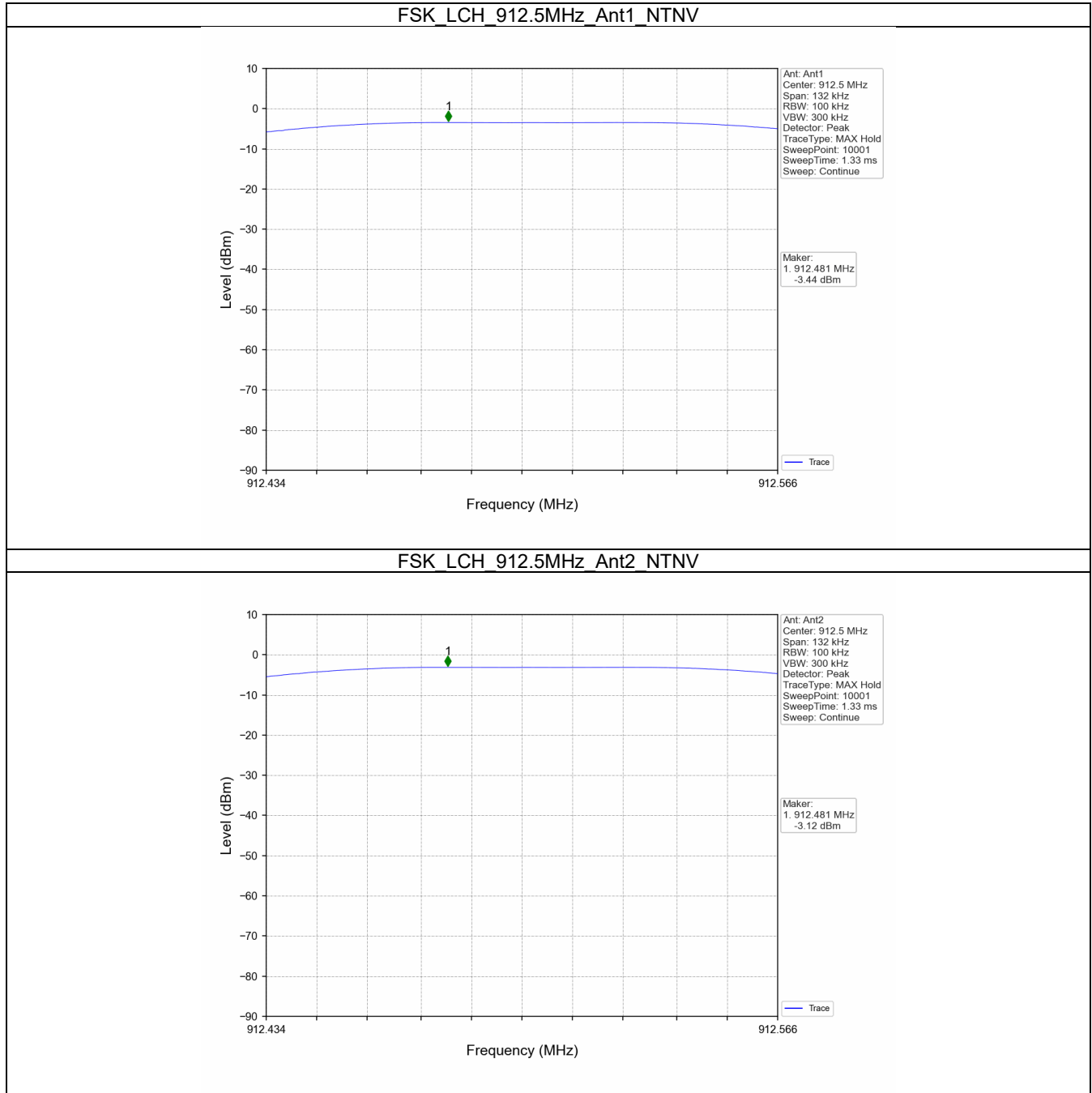
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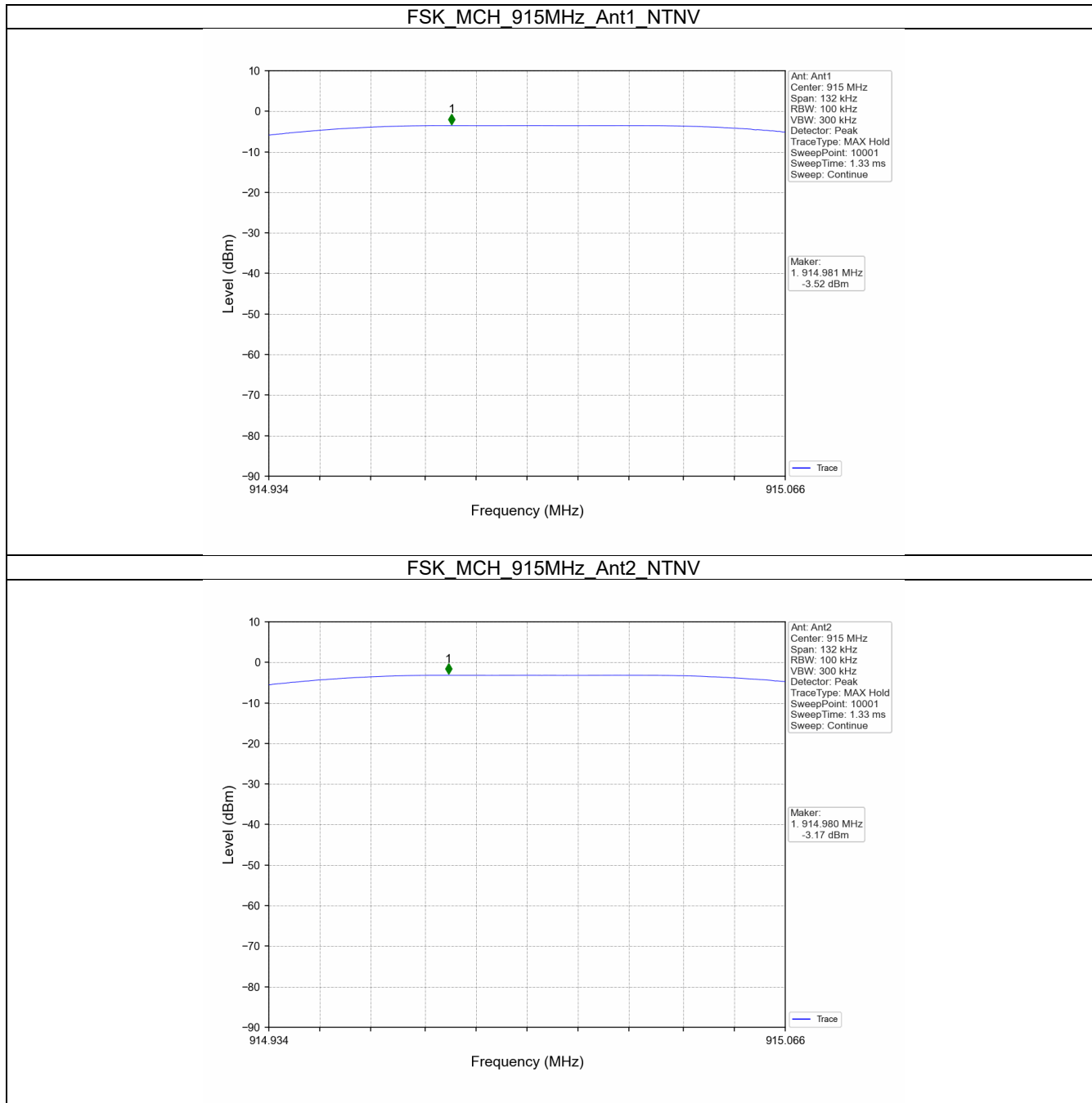
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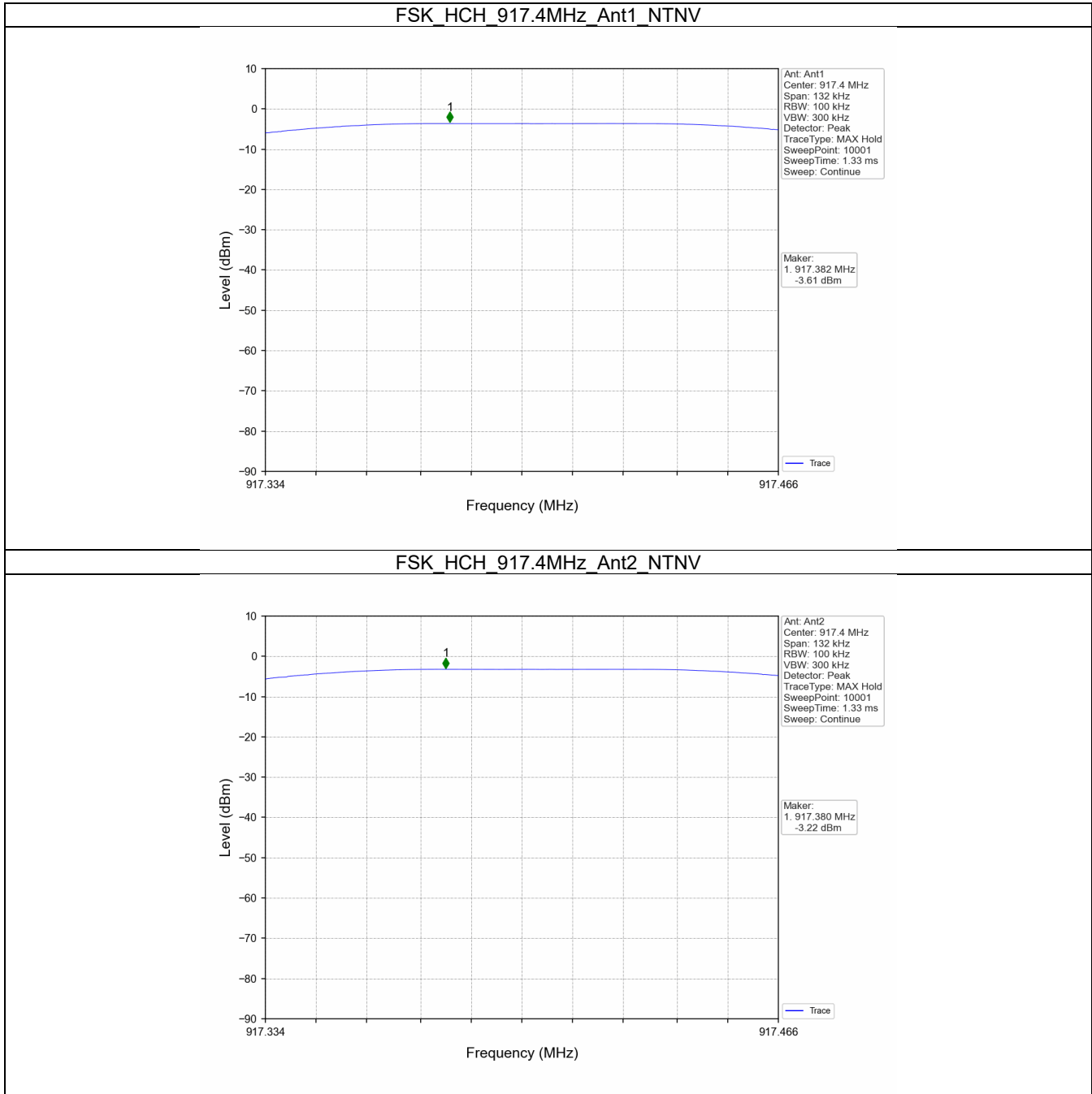
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6.2 CSE

6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
P	SISO	912.5	1	-3.44	-23.44	Pass
			2	-3.12	-23.12	Pass
		915	1	-3.44	-23.44	Pass
			2	-3.12	-23.12	Pass
		917.4	1	-3.44	-23.44	Pass
			2	-3.12	-23.12	Pass
		HOPP	1	-3.44	-23.44	Pass
			2	-3.12	-23.12	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.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.



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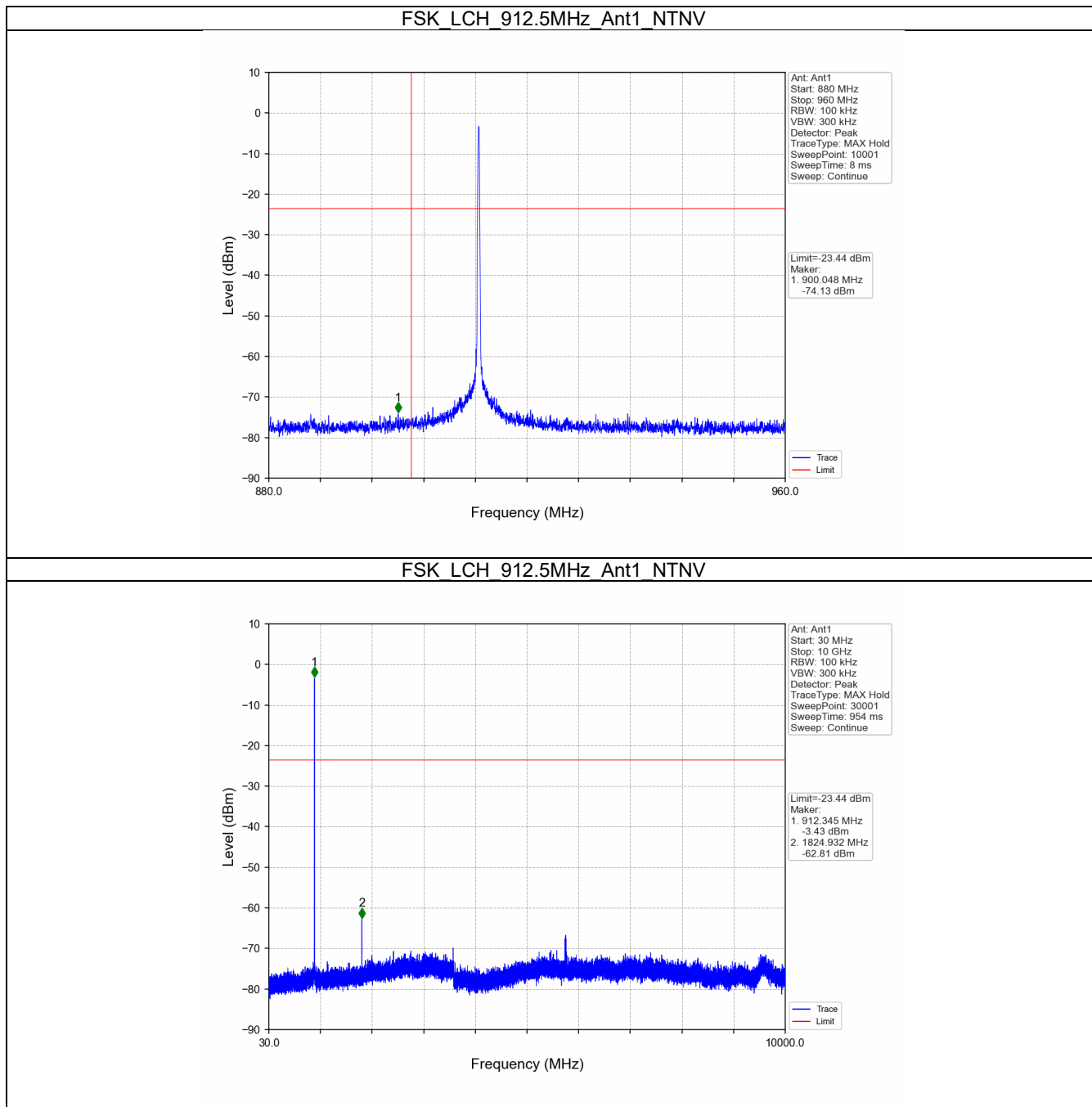
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6.2.2 Test Graph



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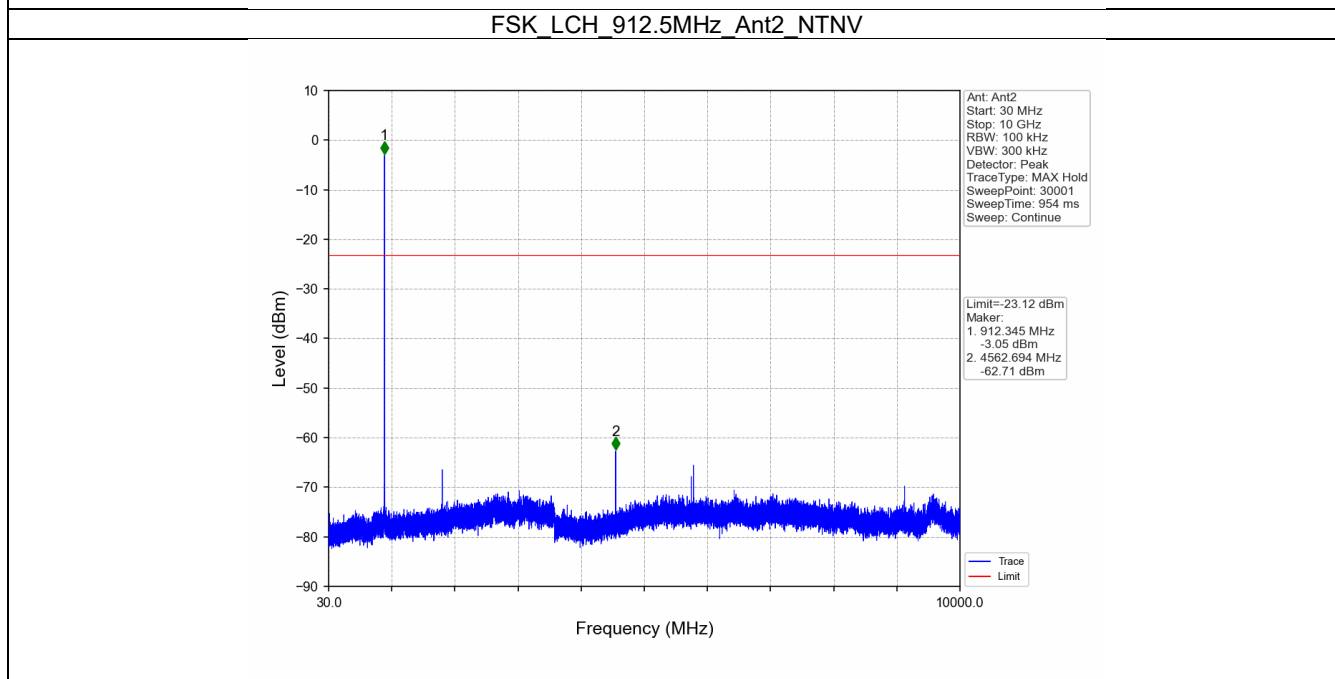
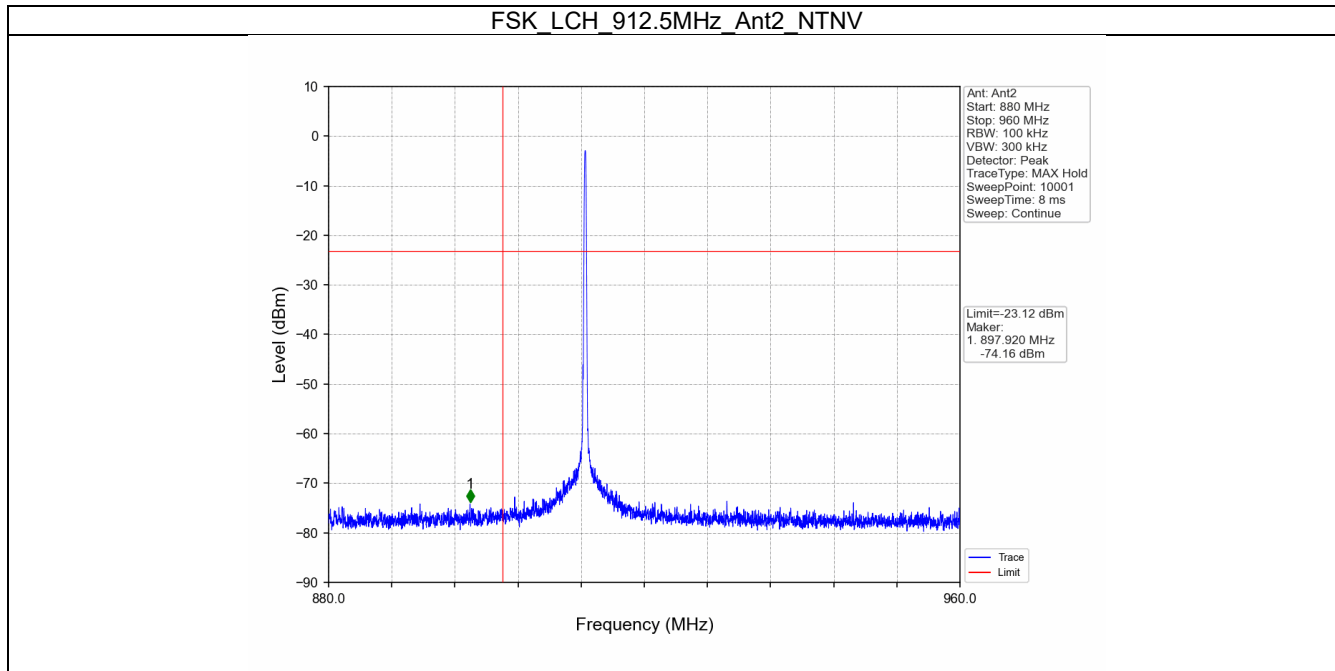
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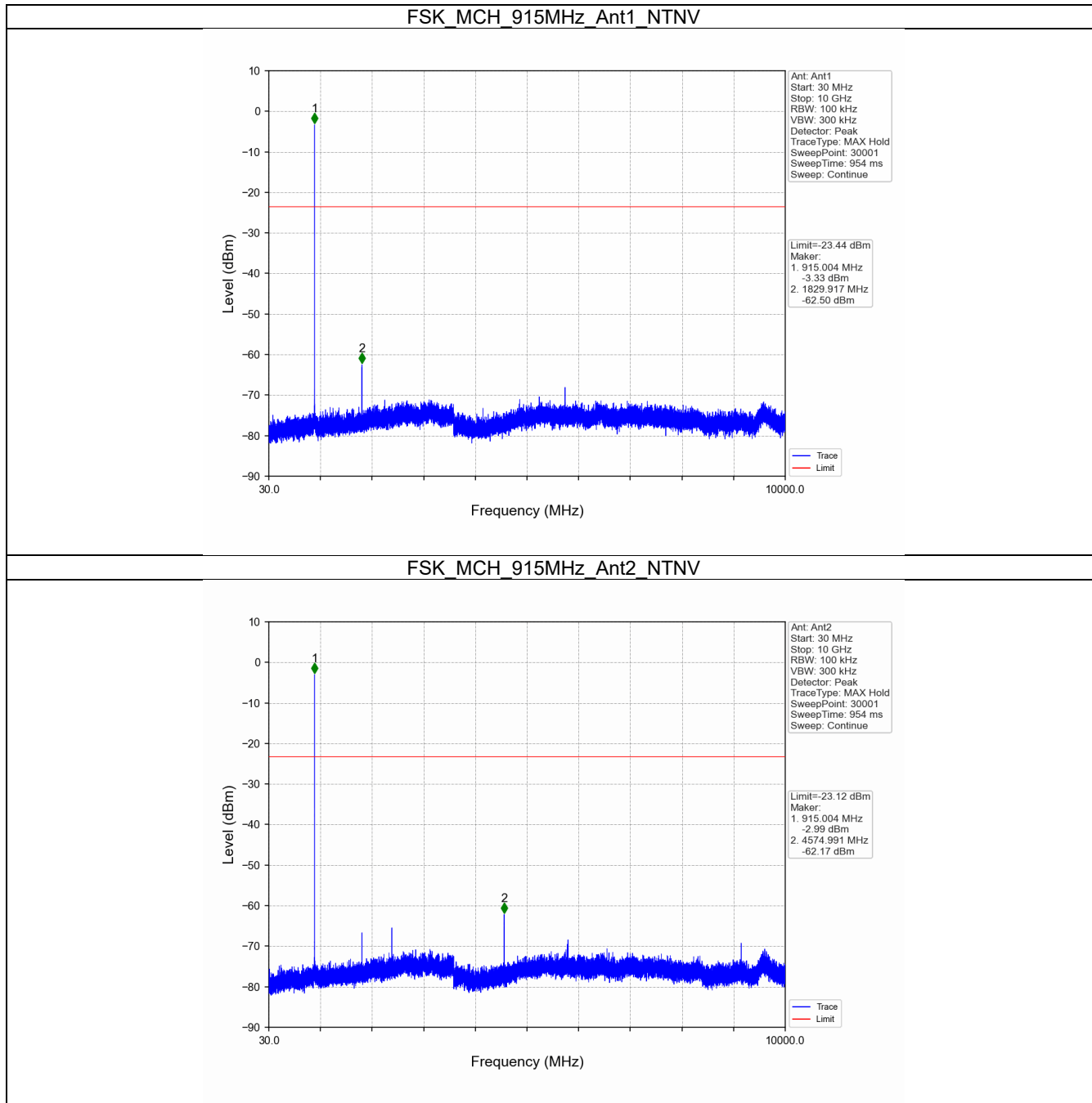
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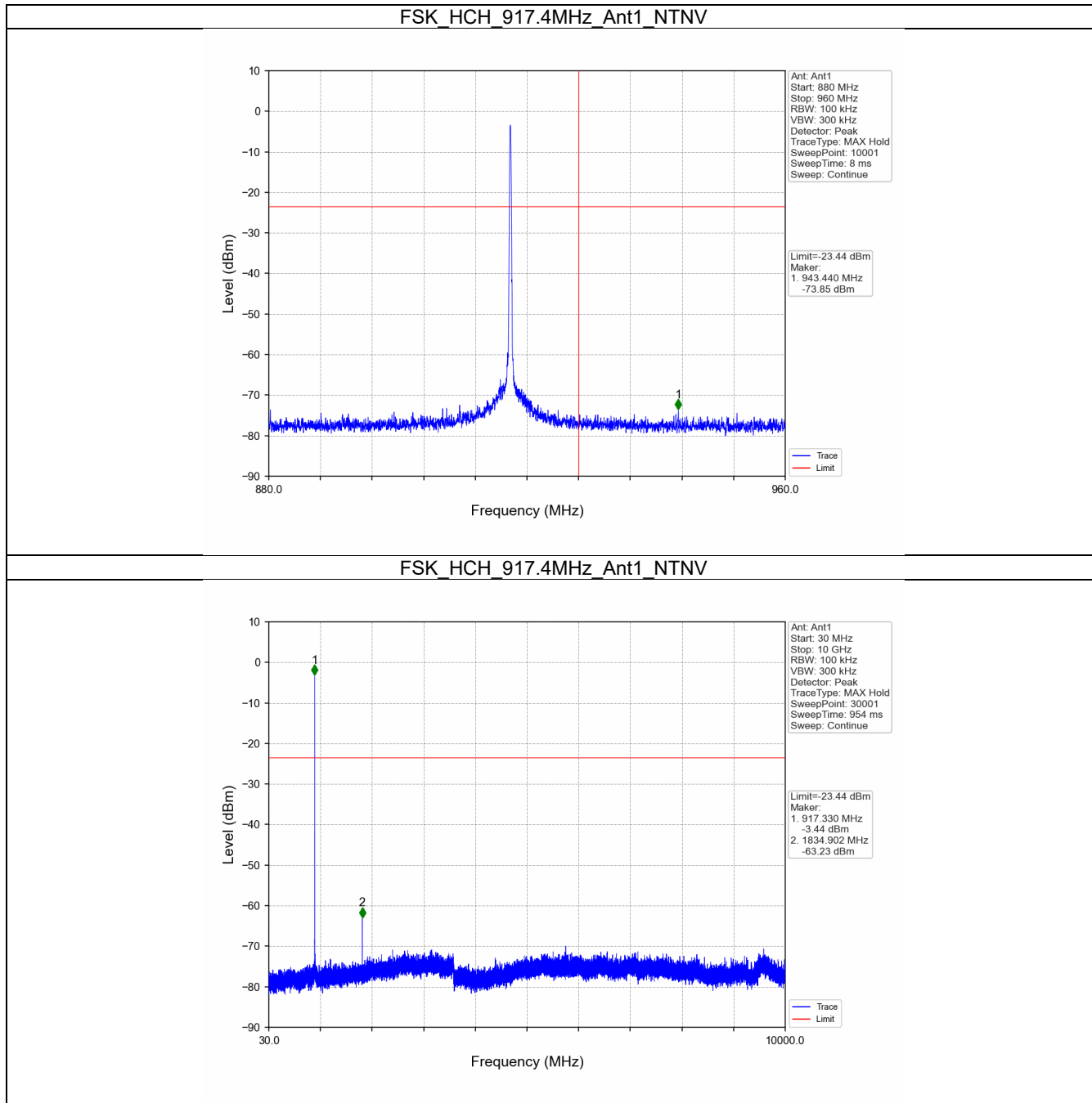


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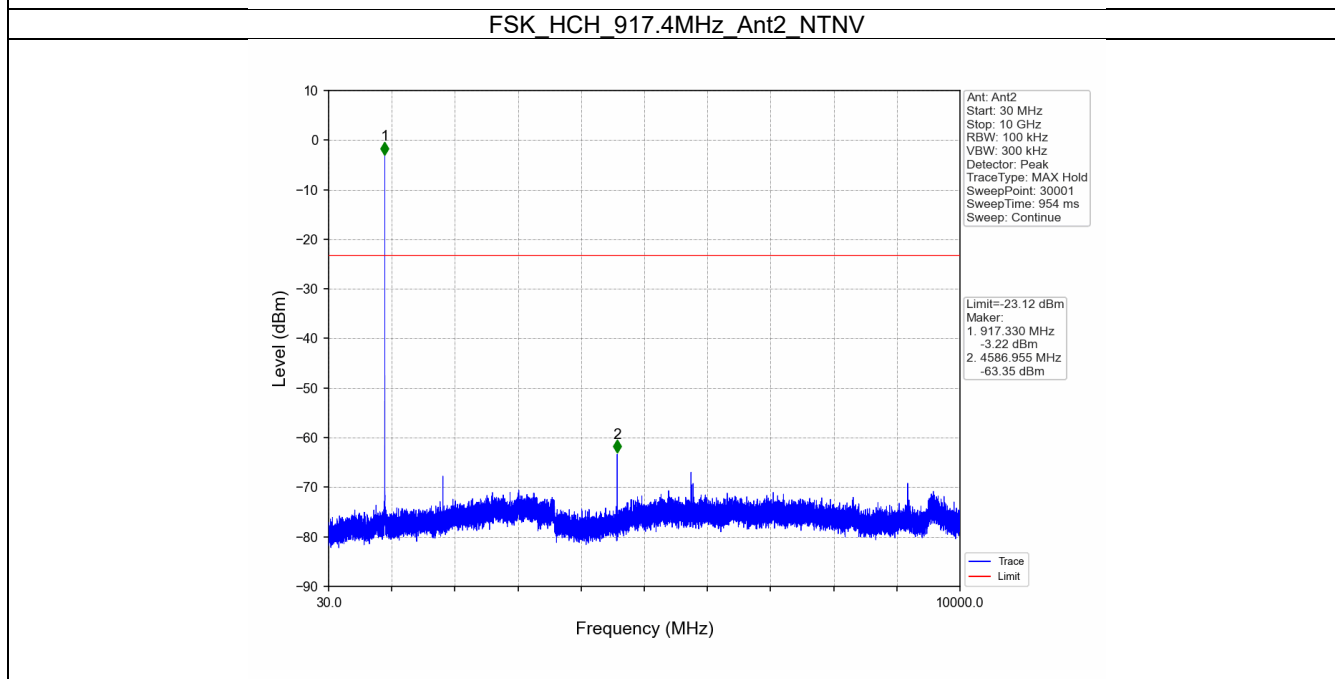
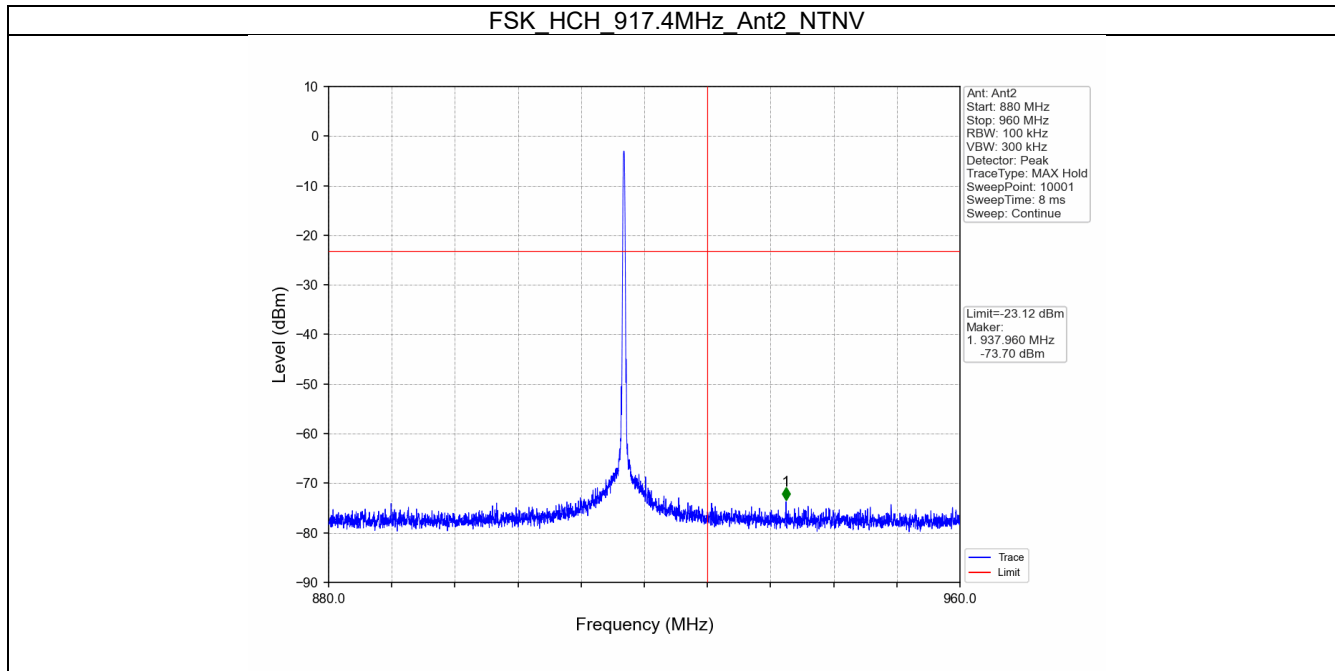
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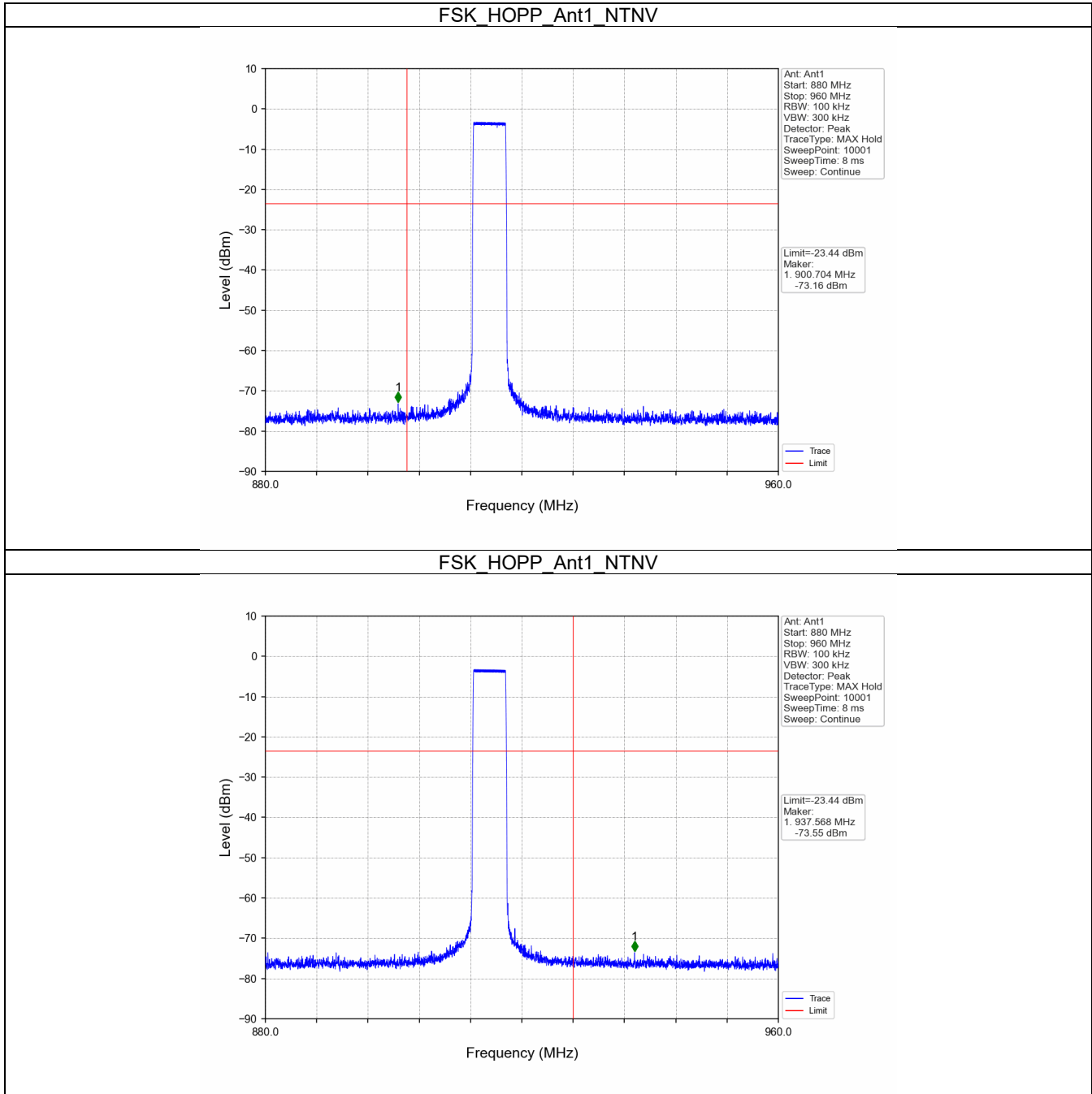
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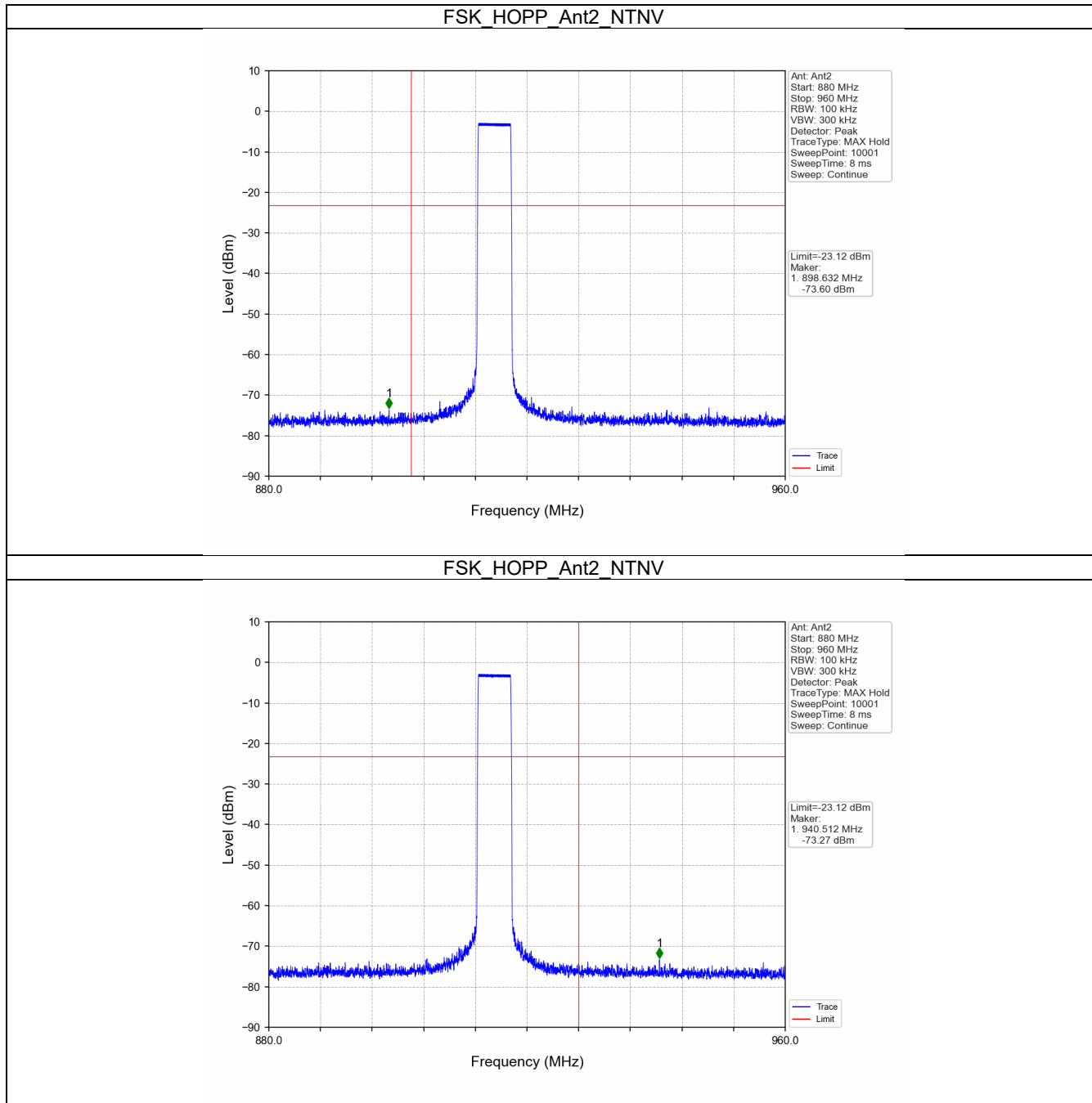
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