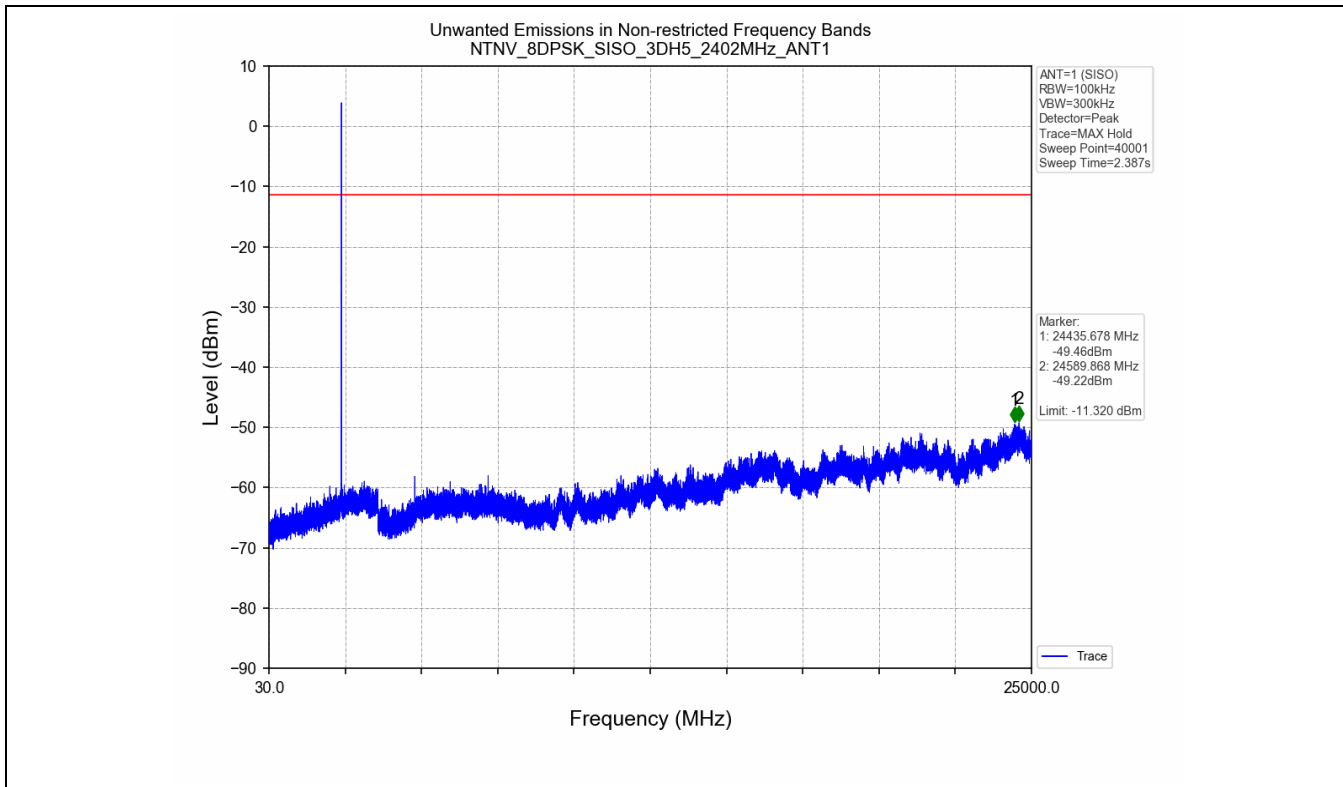
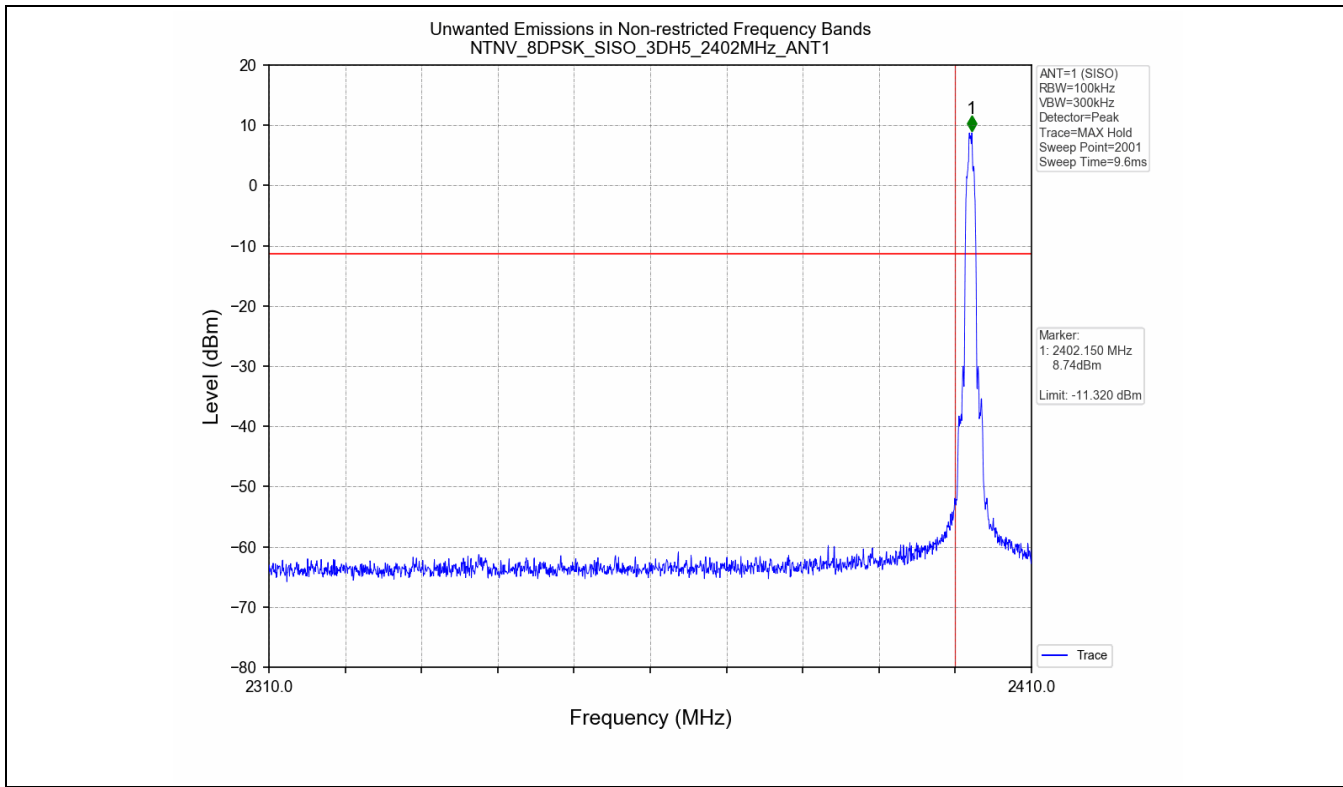


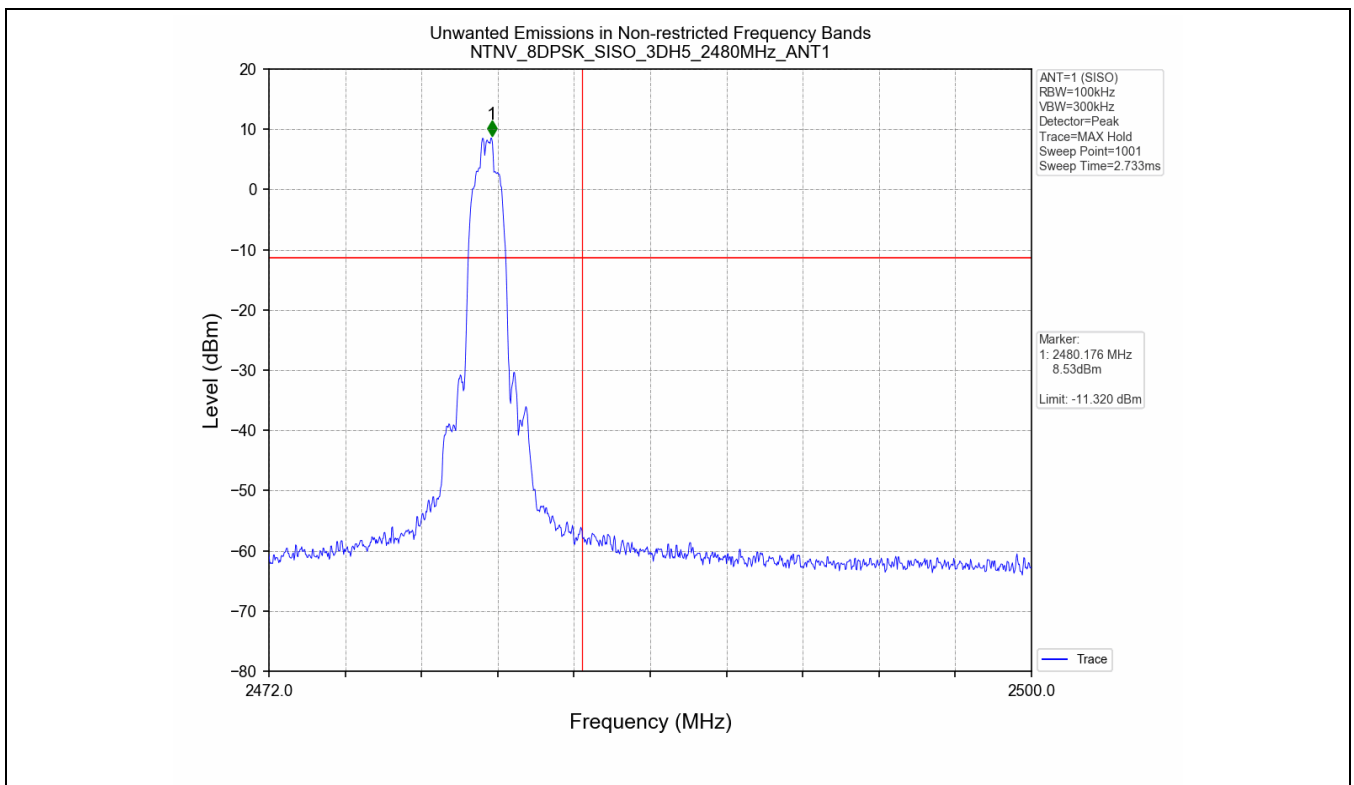
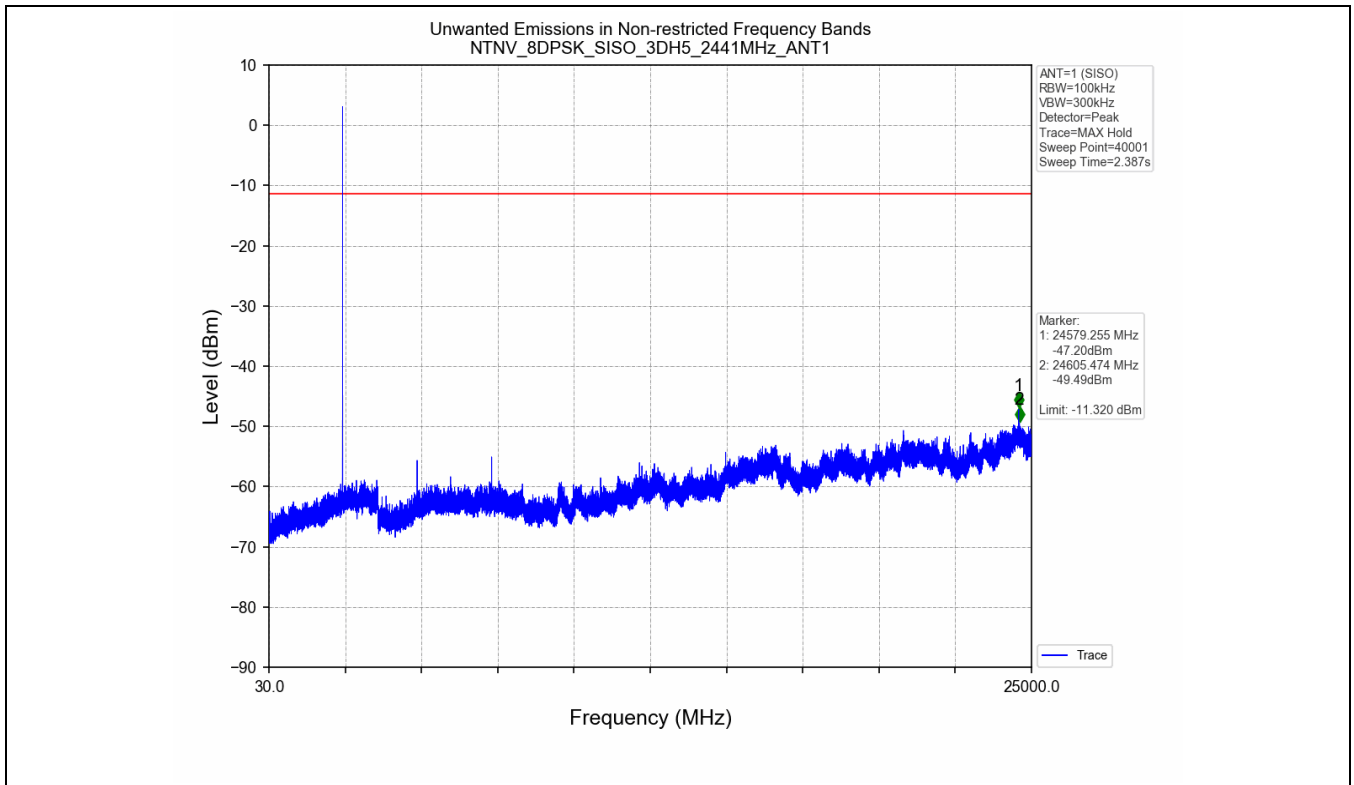
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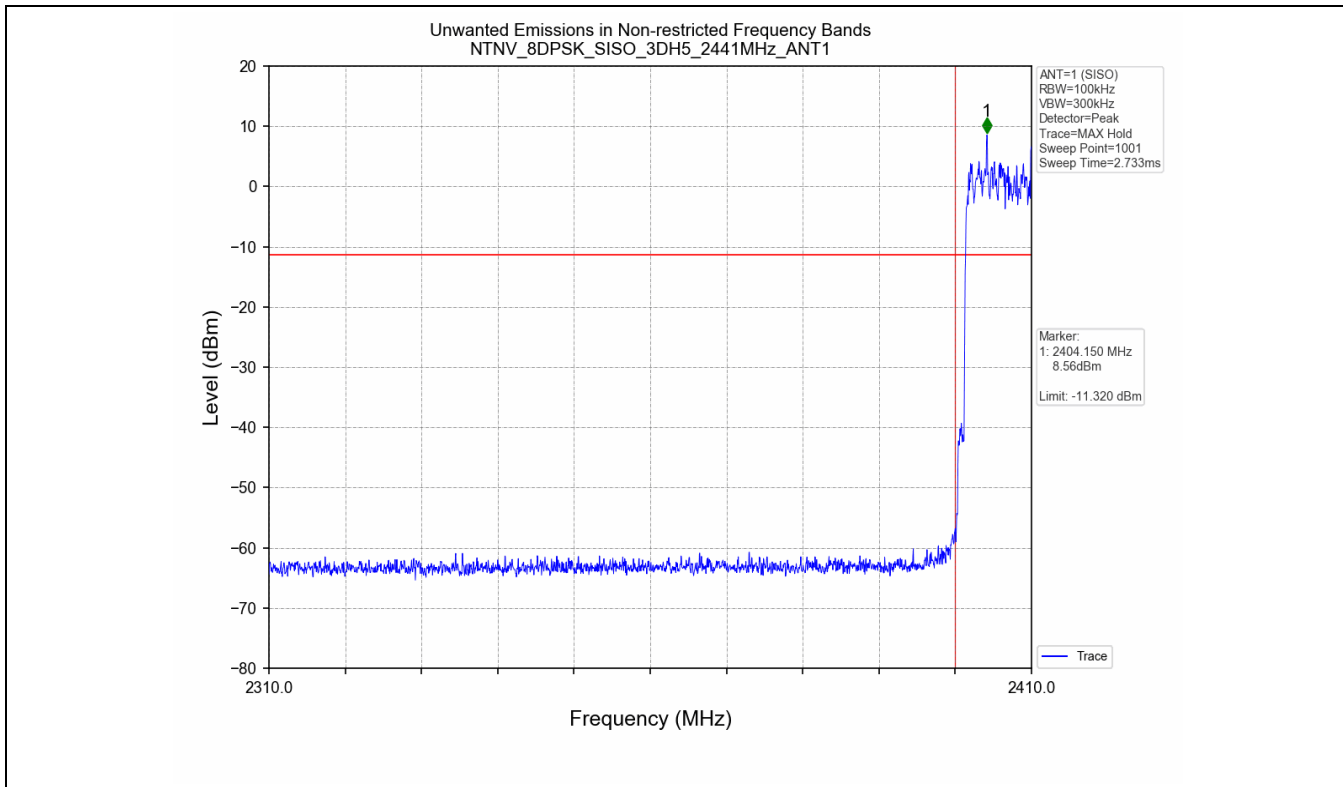
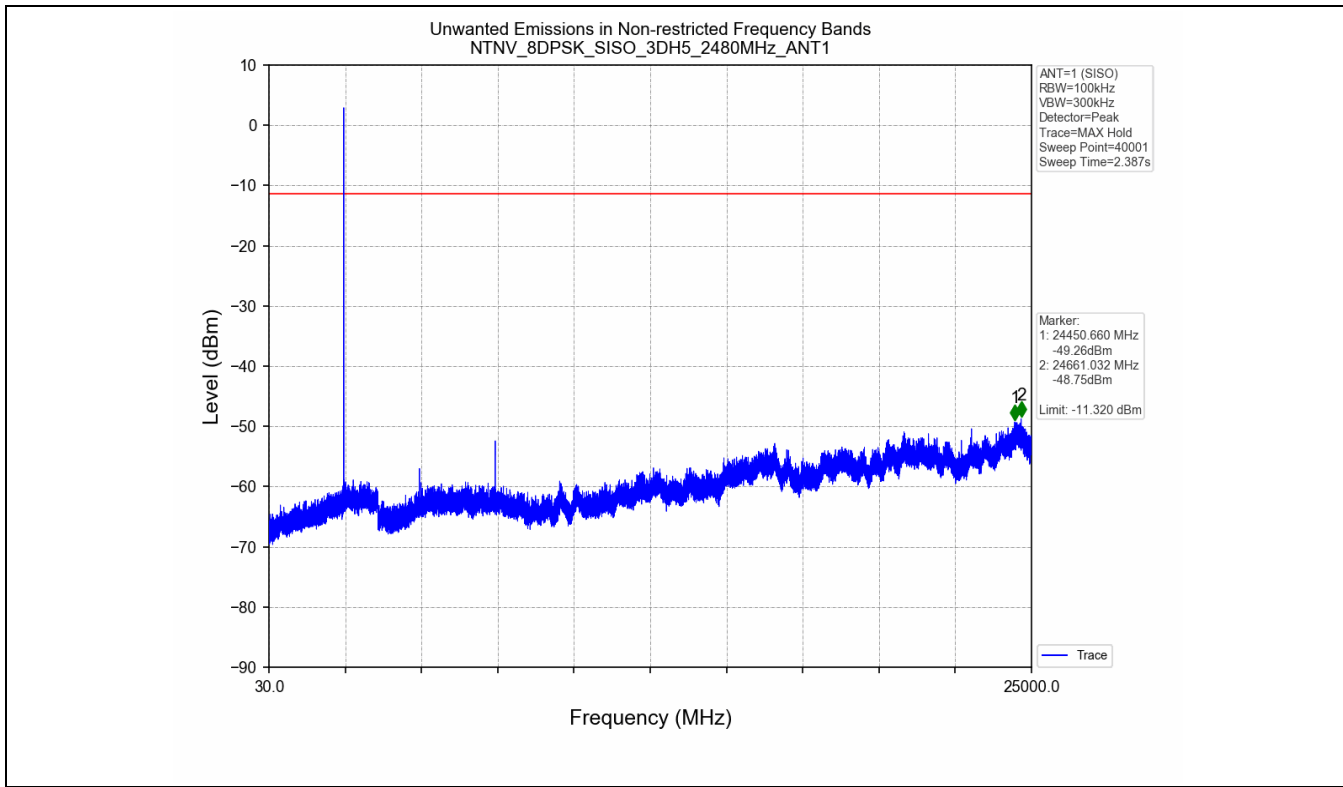
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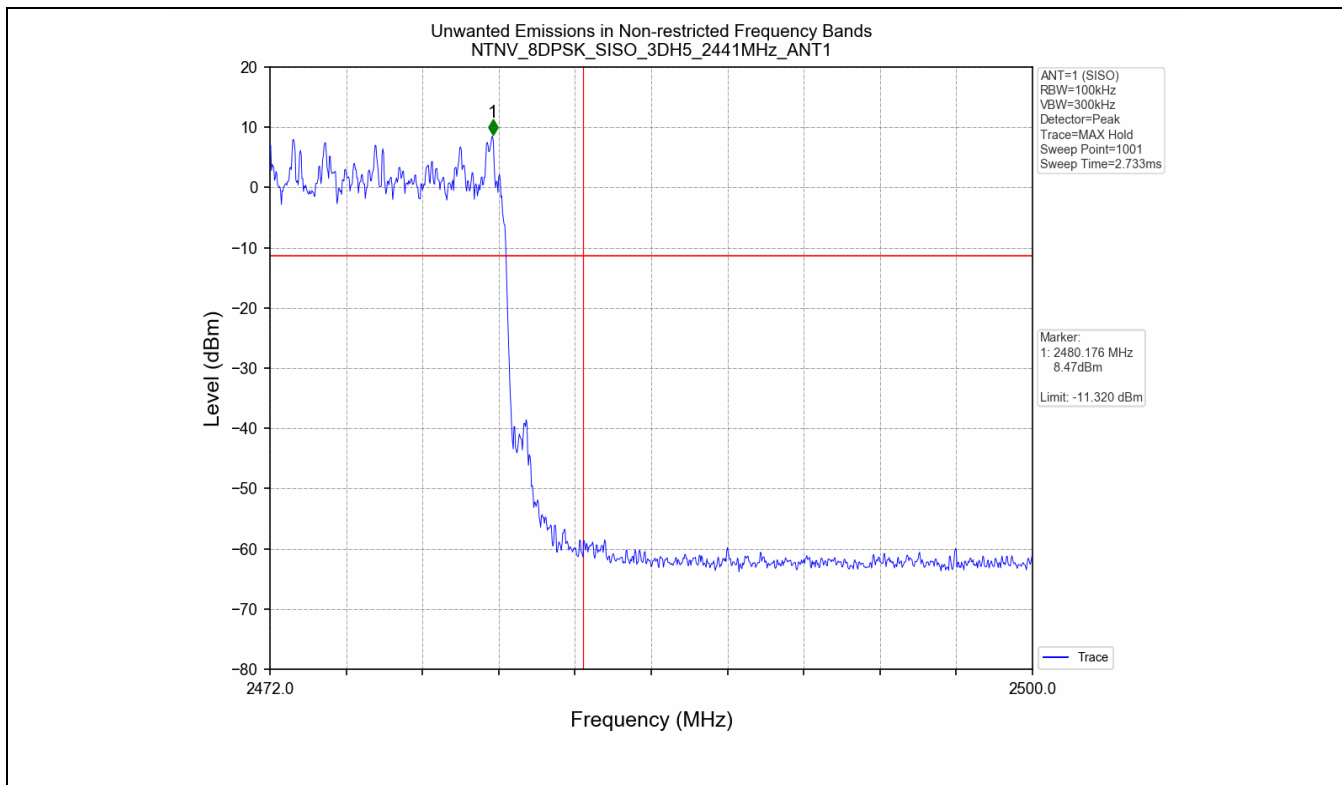
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**For Left earbuds:**

**Appendix for 15.247**

**1. Bandwidth**

**1.1 Test Result**

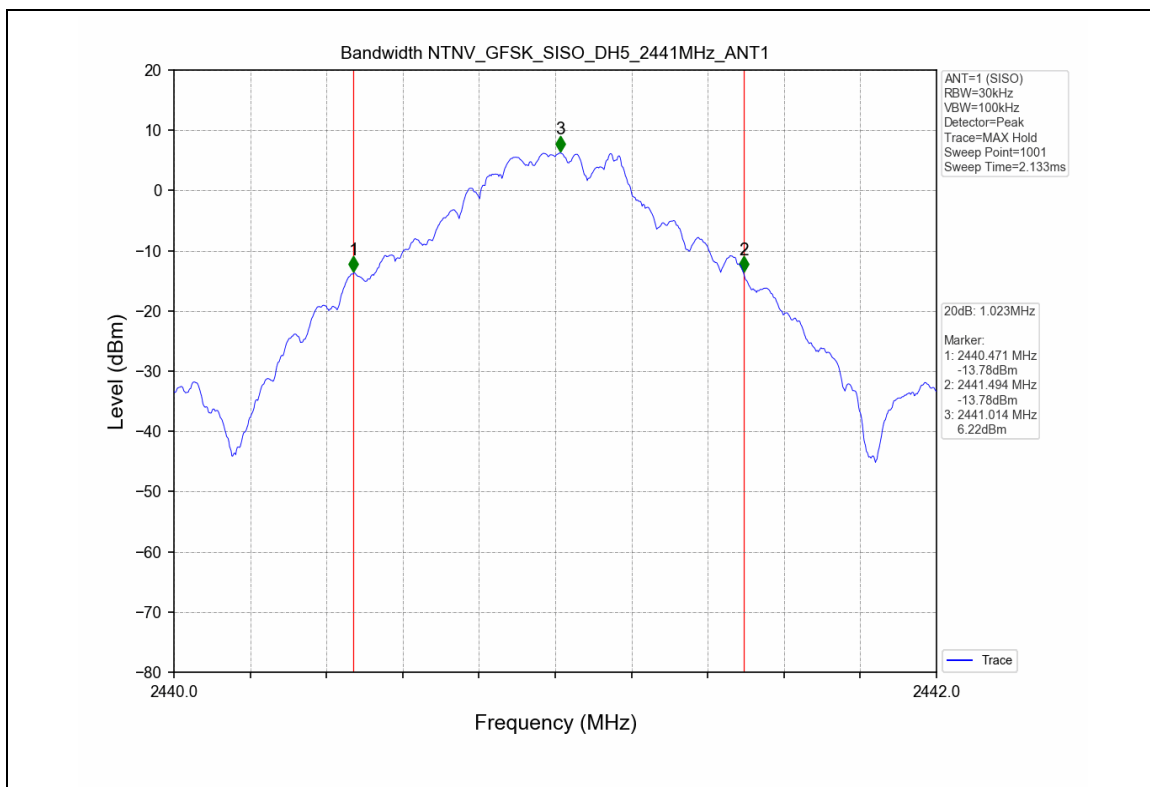
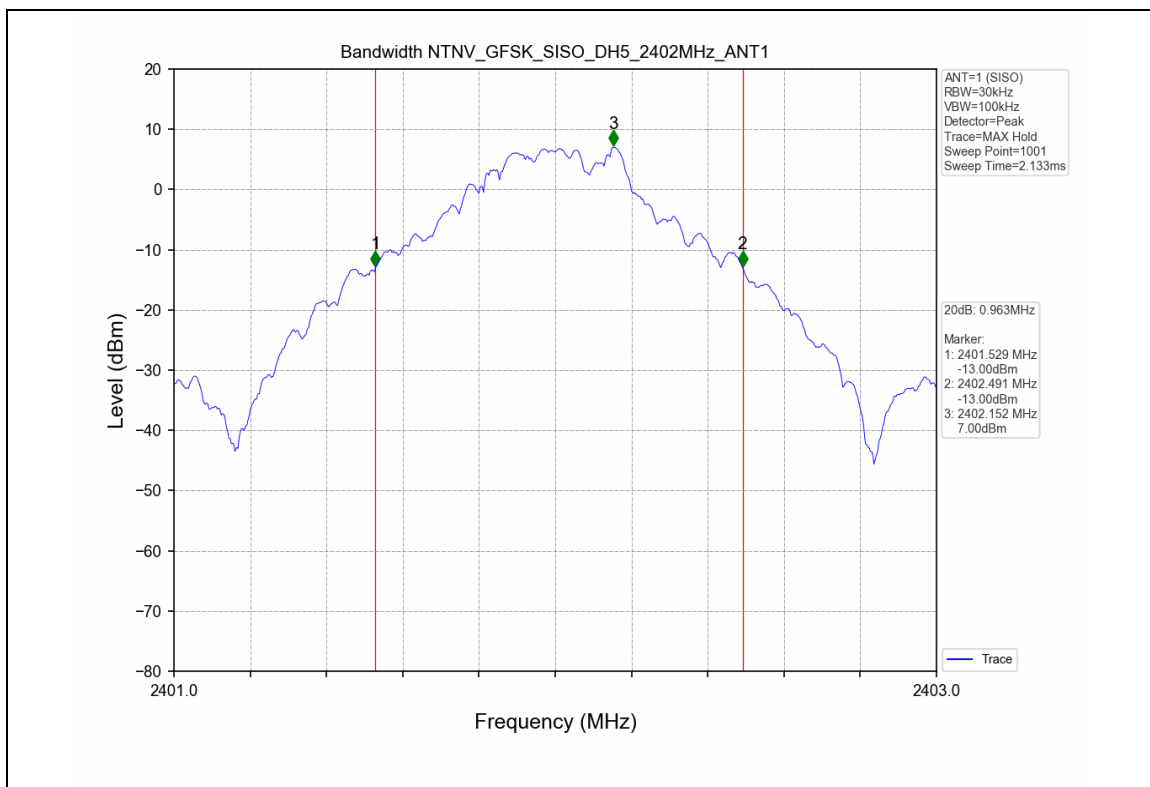
Test Mode	Frequency (MHz)	TX Type	ANT No.	20dB Bandwidth	Verdict
				Test Result (MHz)	
GFSK	2402	SISO	1	0.963	PASS
	2441	SISO	1	1.023	PASS
	2480	SISO	1	0.964	PASS
Pi/4DQPSK	2402	SISO	1	1.232	PASS
	2441	SISO	1	1.232	PASS
	2480	SISO	1	1.231	PASS
8DPSK	2402	SISO	1	1.292	PASS
	2441	SISO	1	1.271	PASS
	2480	SISO	1	1.272	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
GFSK	2402	SISO	1	0.885	Only for Report Use
	2441	SISO	1	0.884	Only for Report Use
	2480	SISO	1	0.885	Only for Report Use
Pi/4DQPSK	2402	SISO	1	1.152	Only for Report Use
	2441	SISO	1	1.153	Only for Report Use
	2480	SISO	1	1.155	Only for Report Use
8DPSK	2402	SISO	1	1.157	Only for Report Use
	2441	SISO	1	1.155	Only for Report Use
	2480	SISO	1	1.159	Only for Report Use



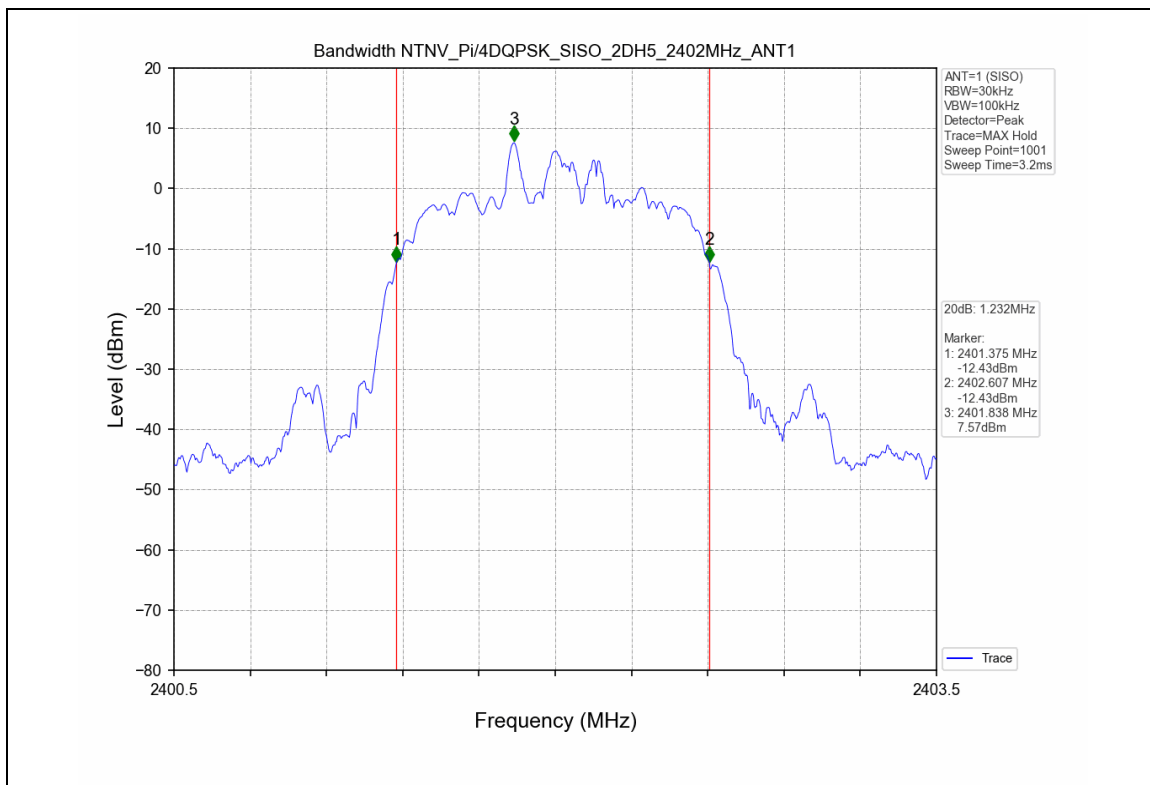
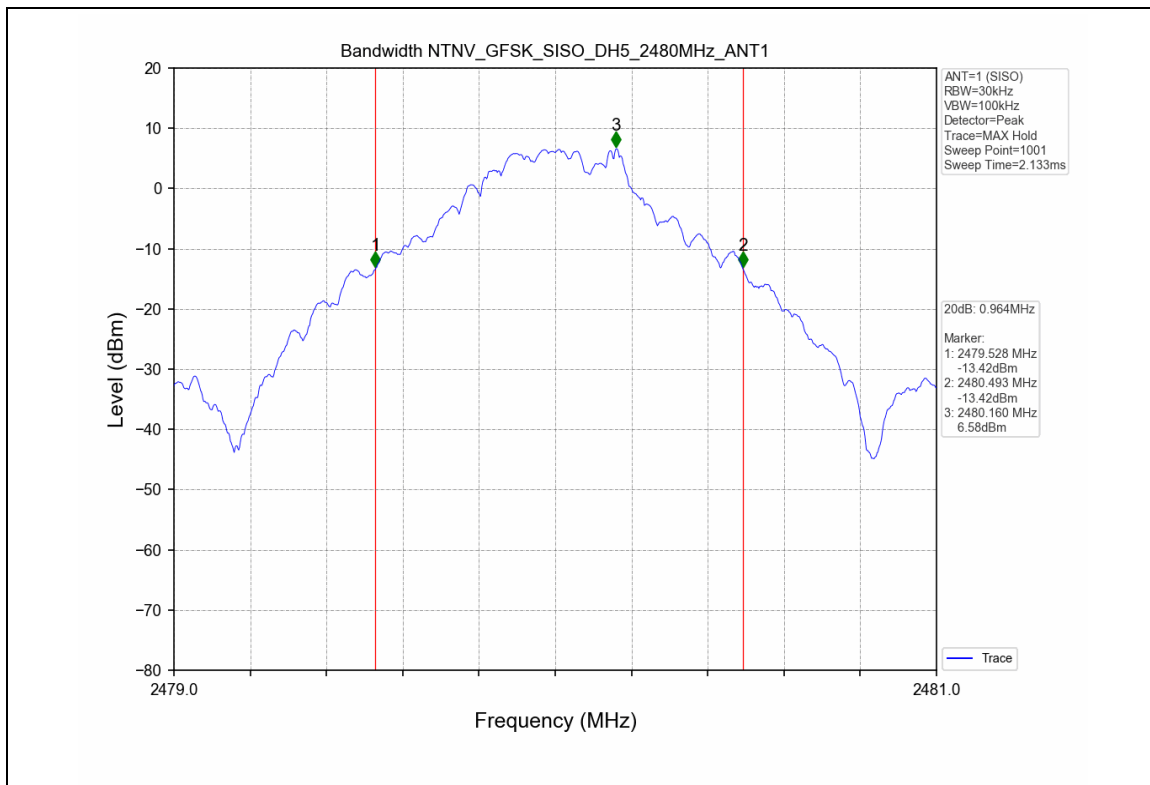
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**1.2 Test Graph - 20dB Bandwidth**



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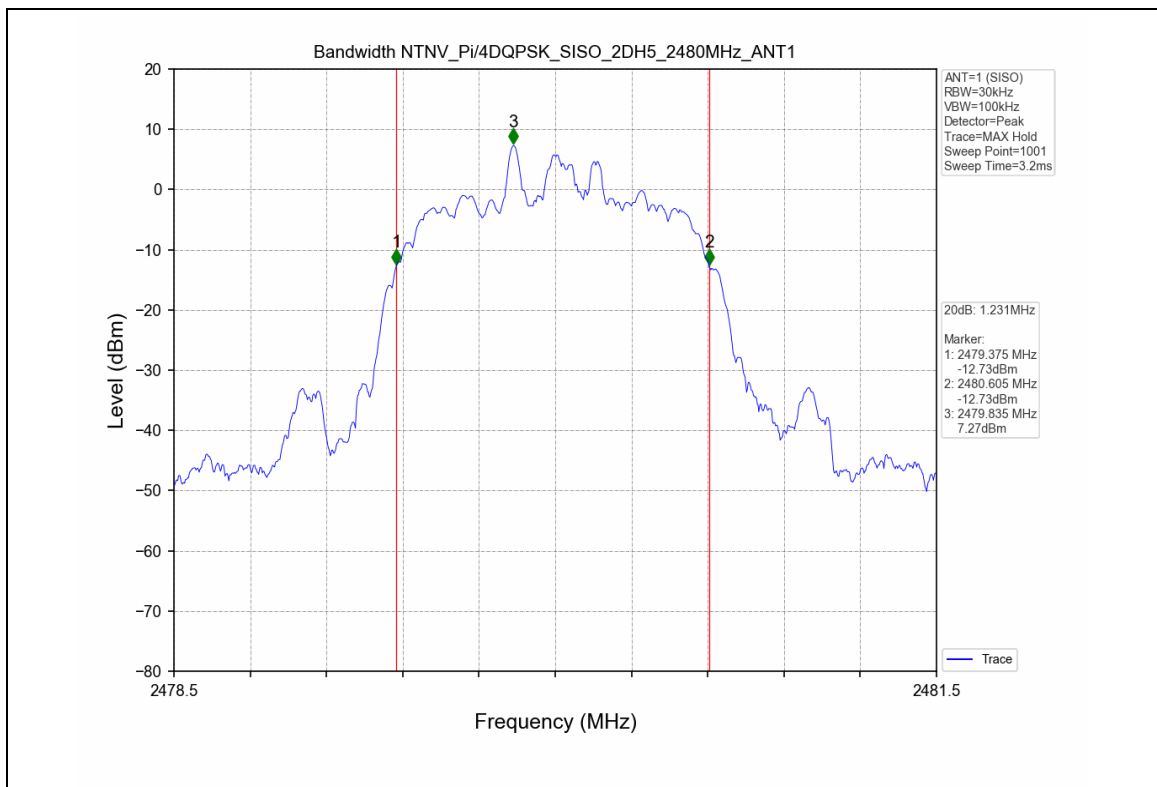
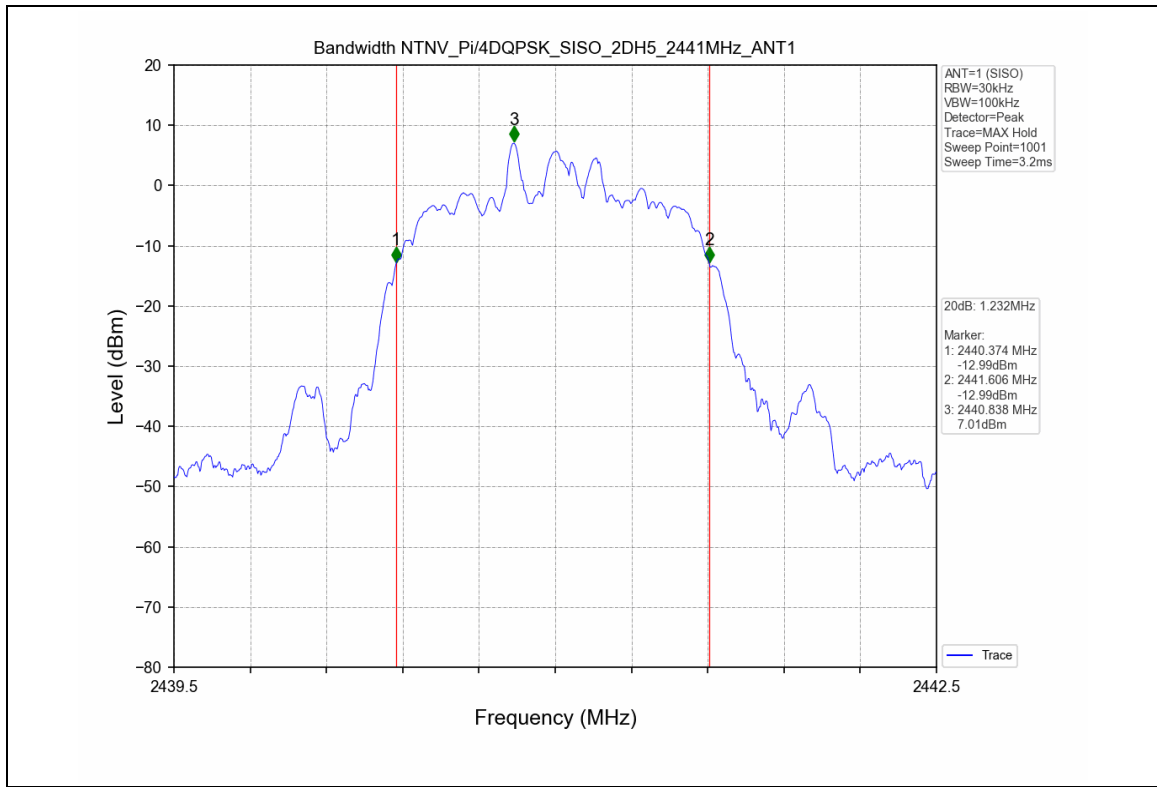
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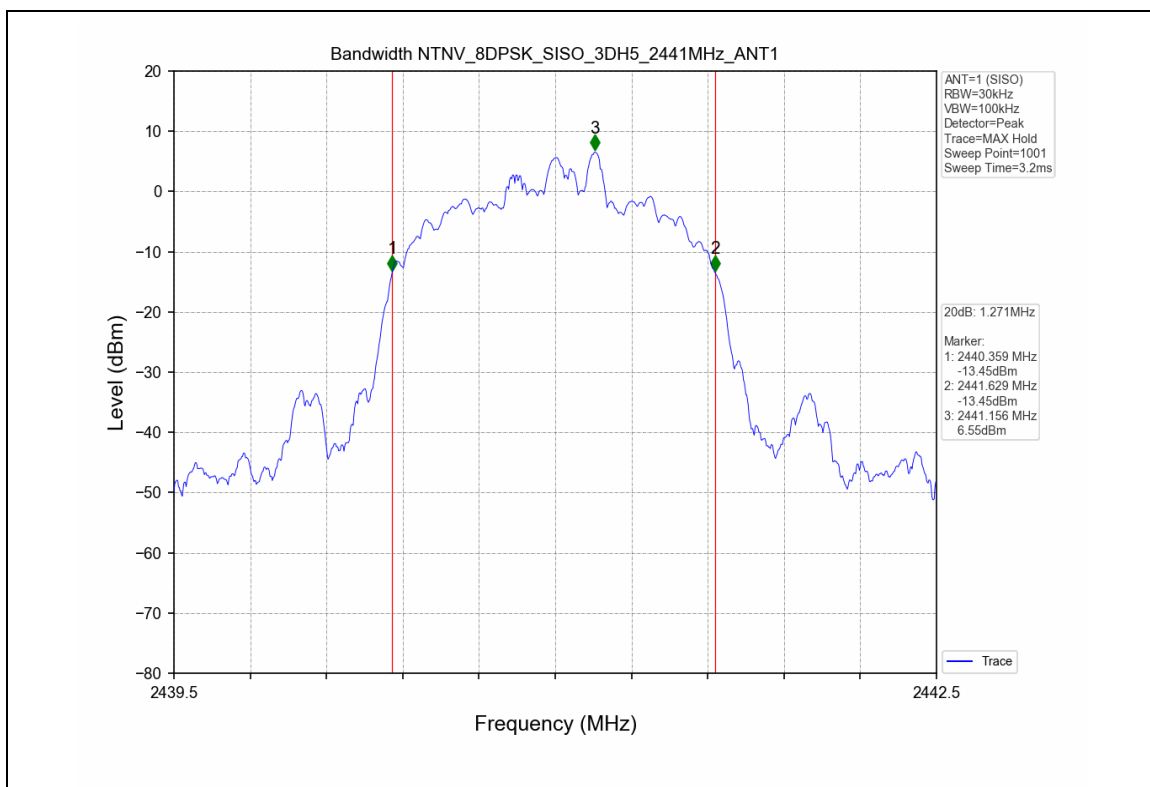
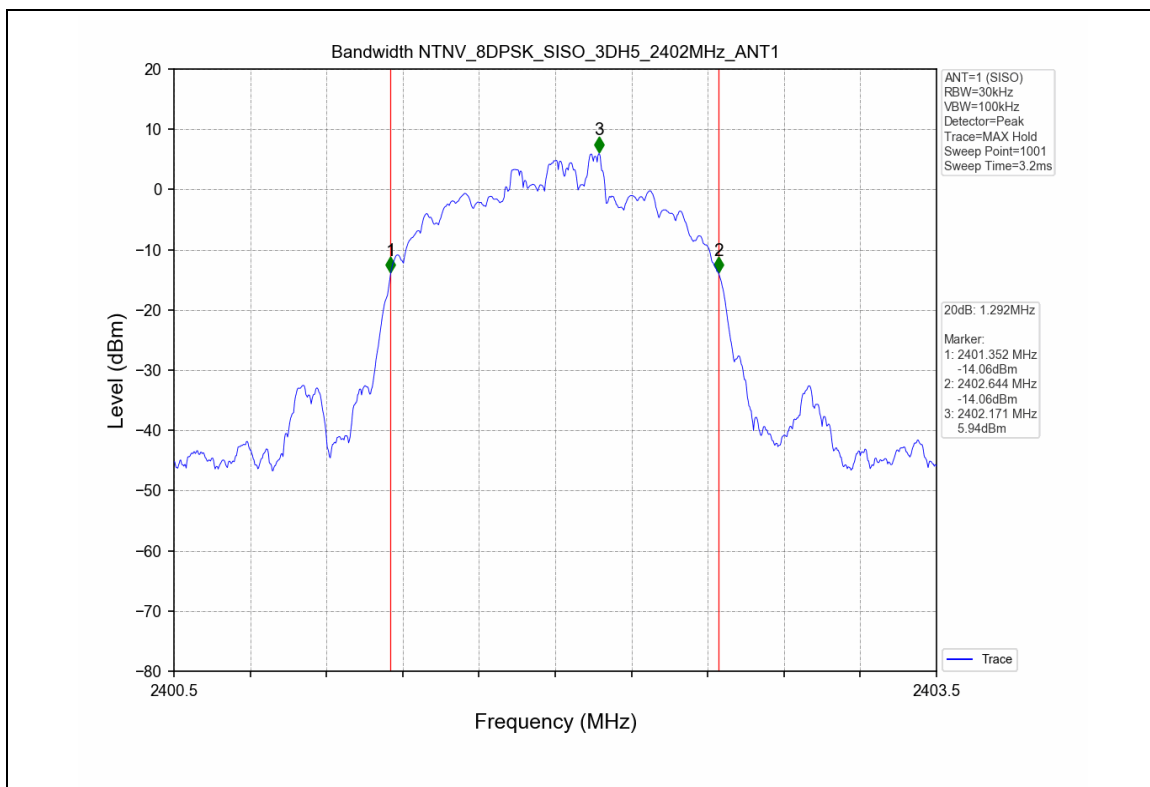
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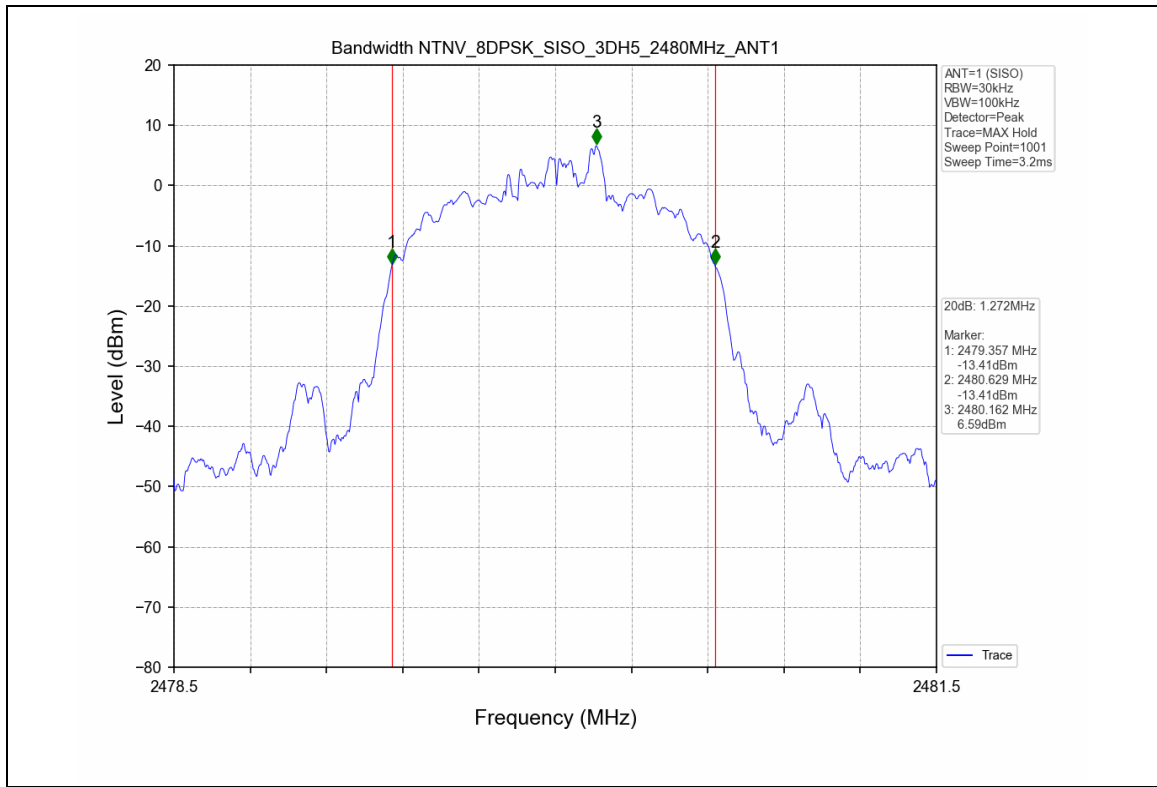
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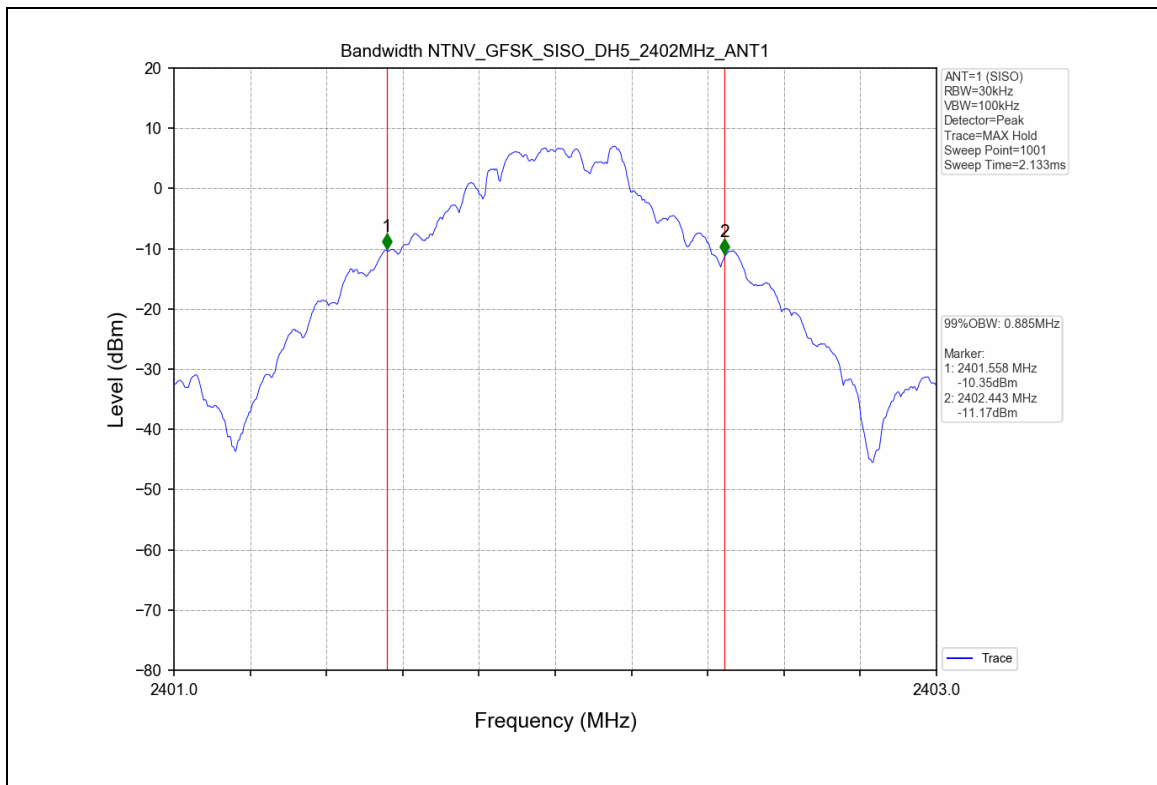


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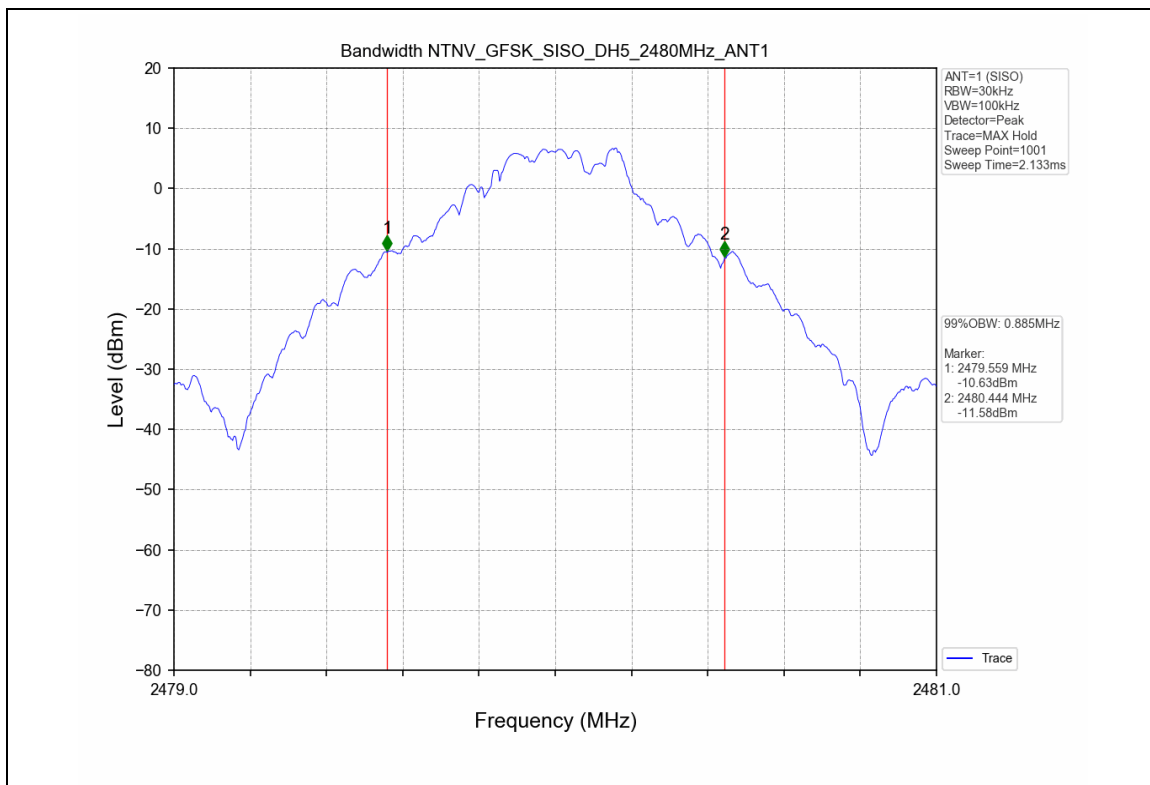
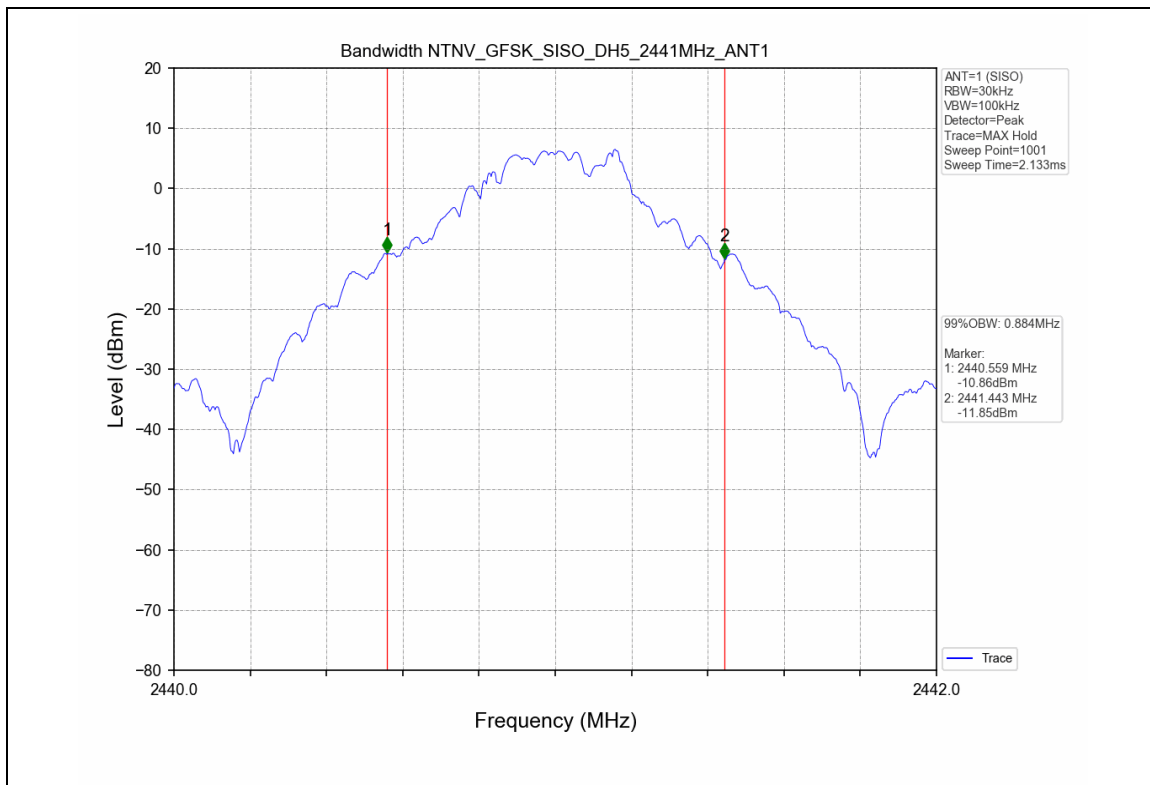


**1.3 Test Graph - 99% Occupied Bandwidth**



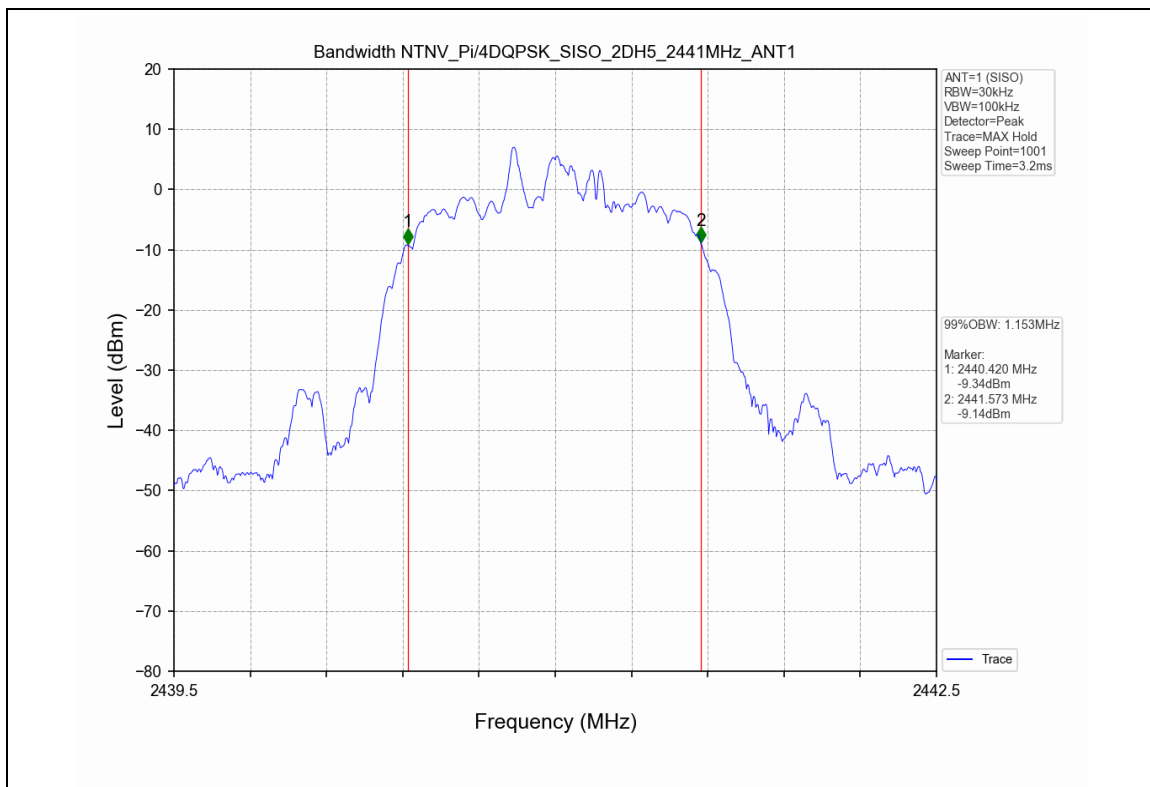
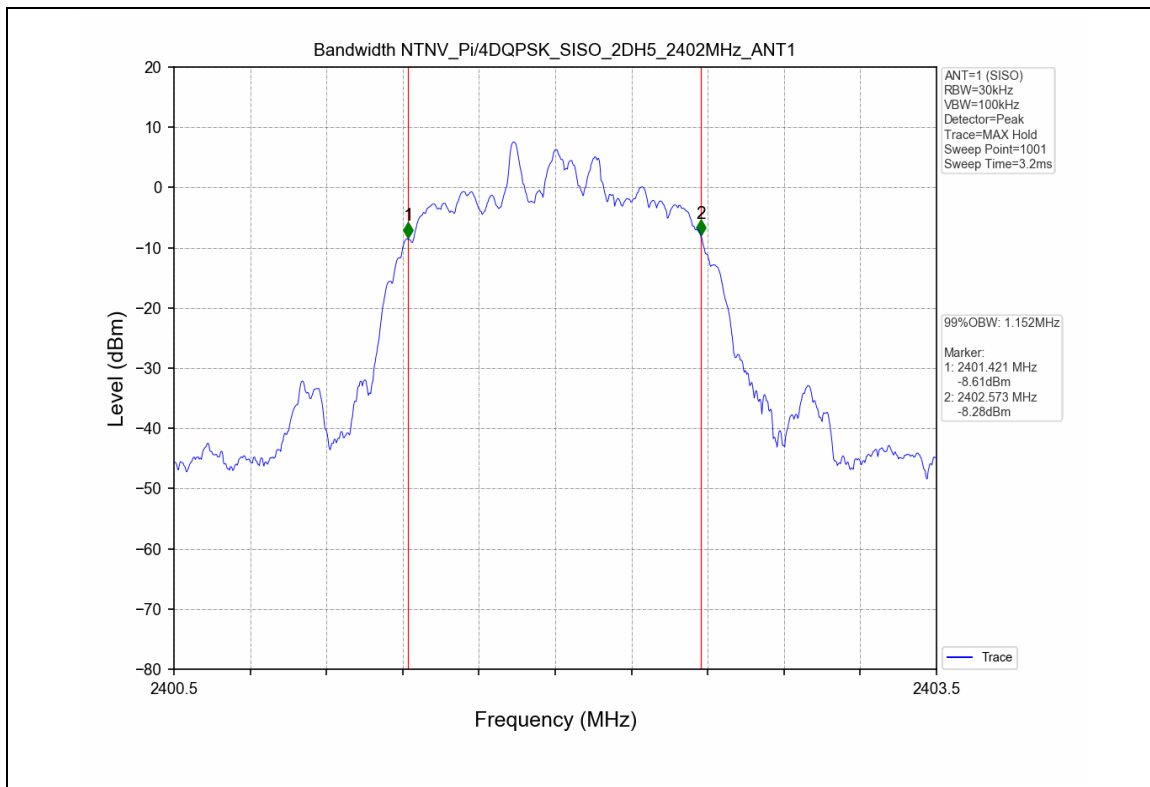
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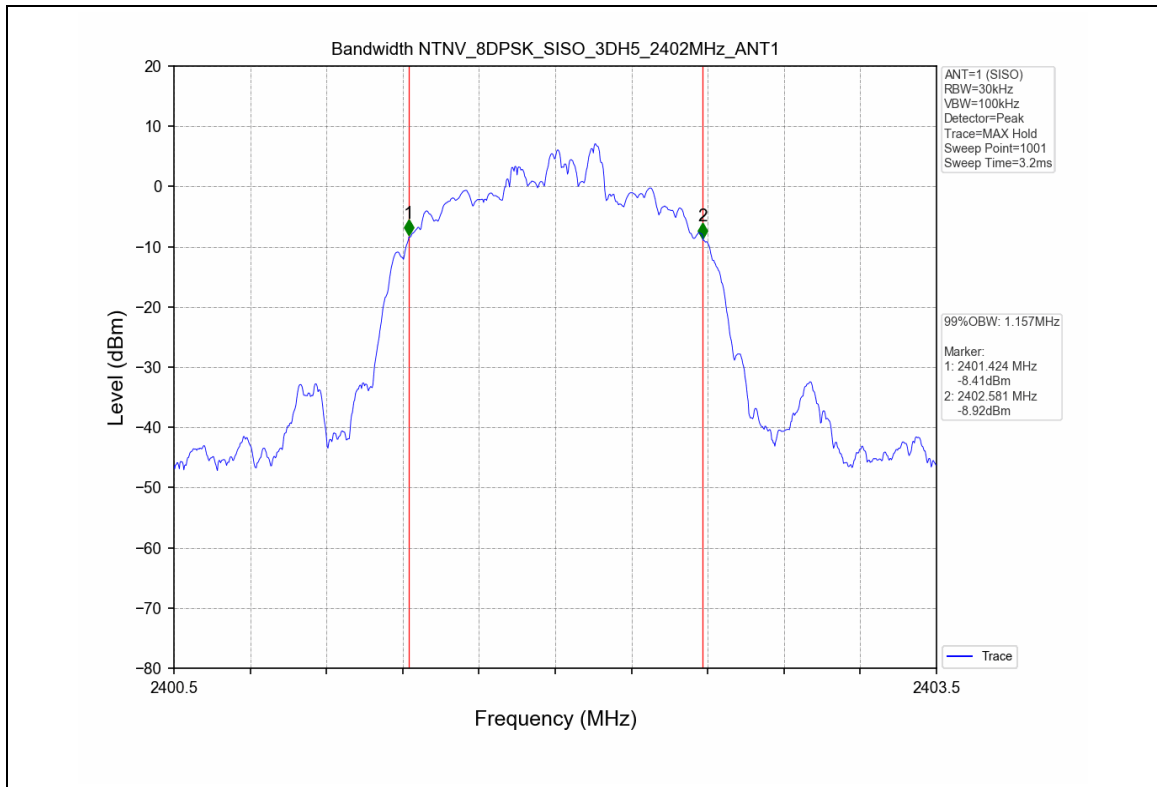
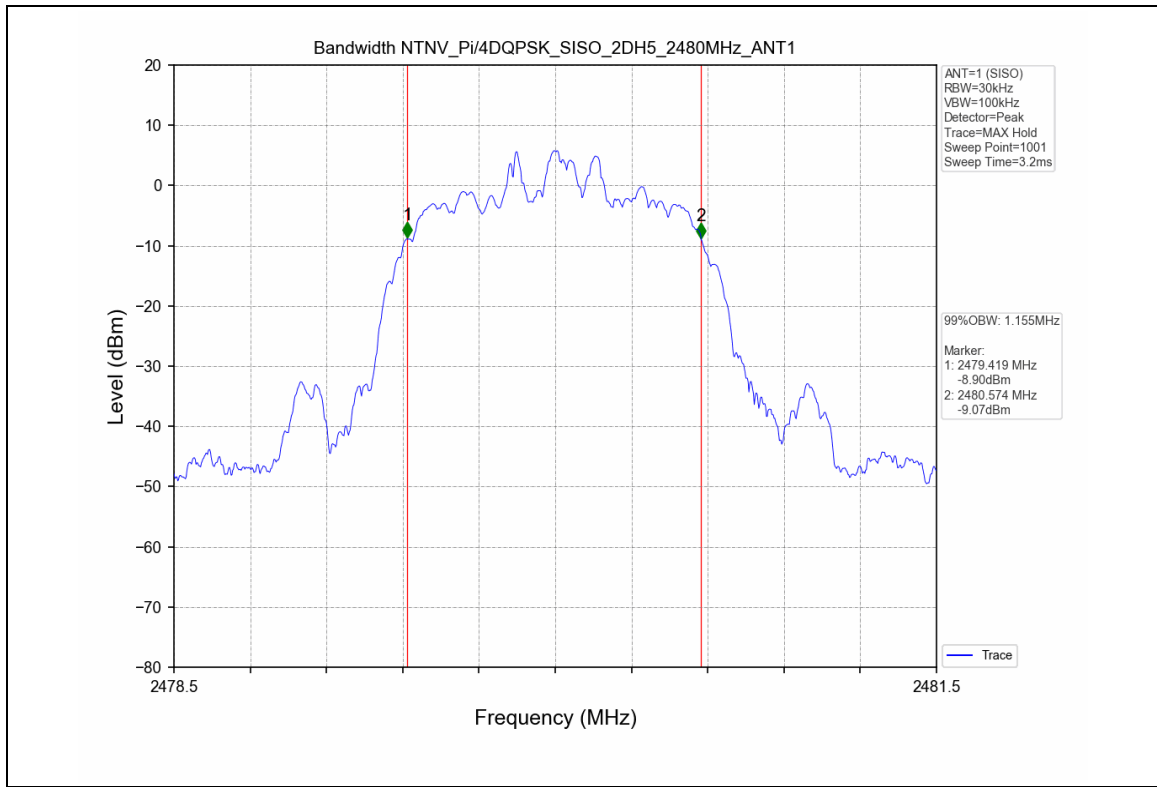
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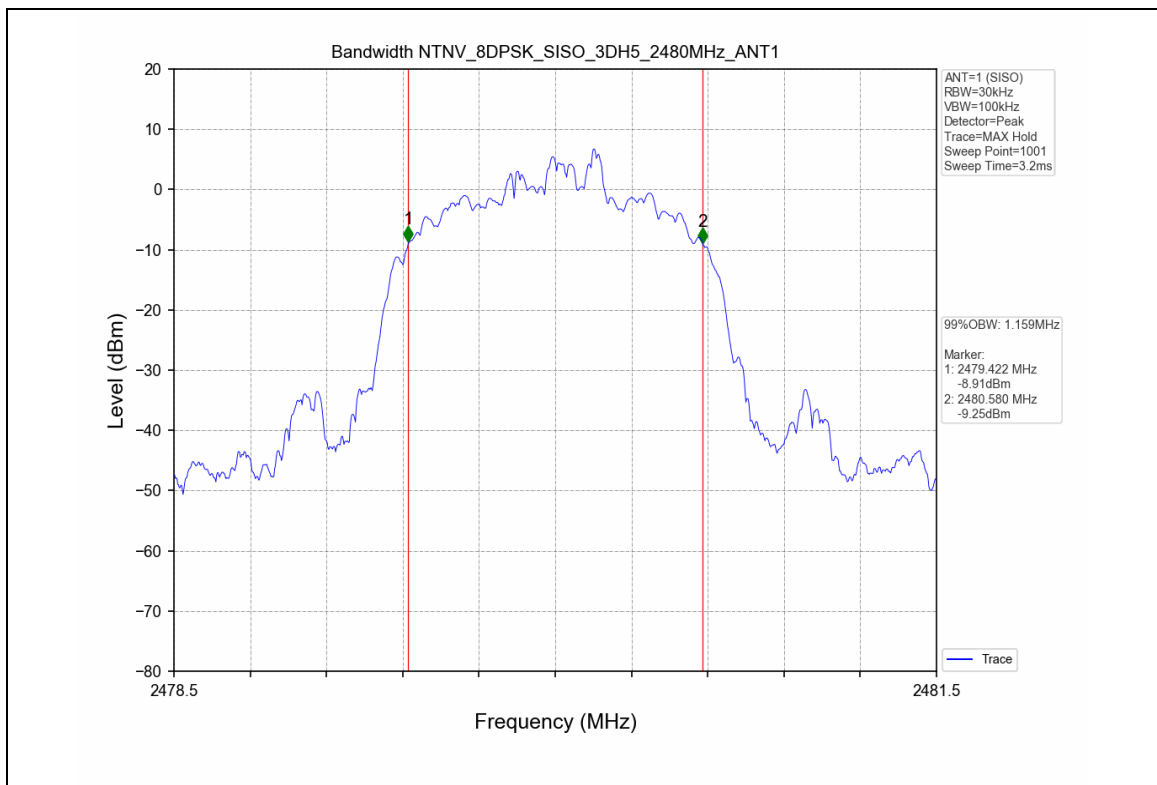
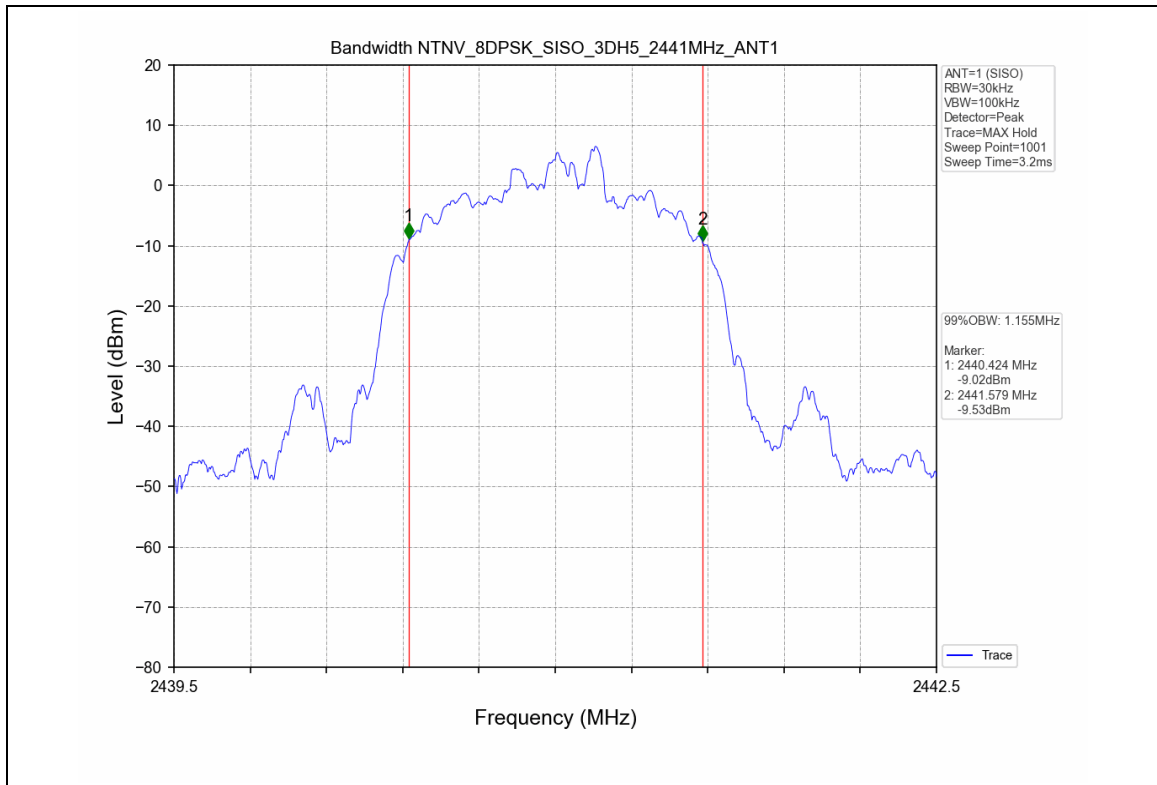
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



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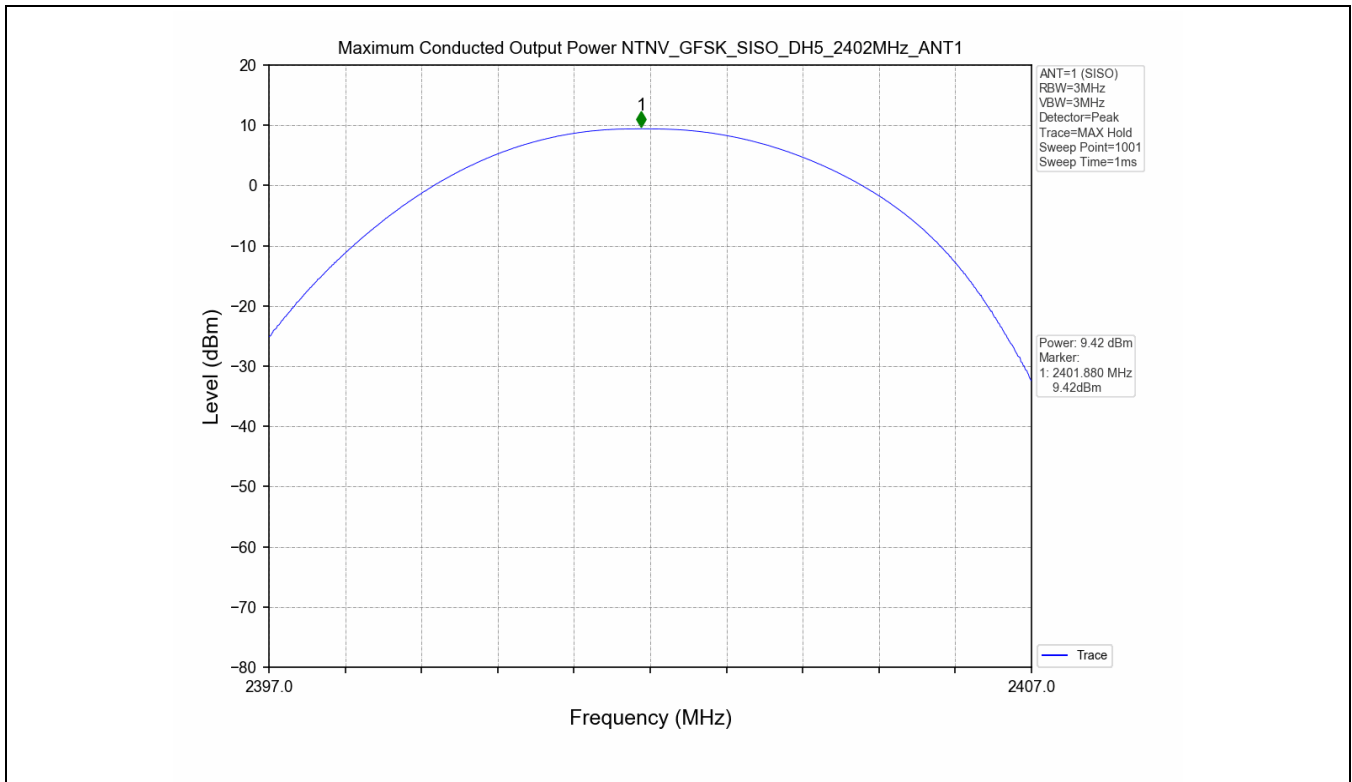
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## 2. Maximum Conducted Output Power

### 2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
GFSK	2402	SISO	9.42	20.97	PASS
	2441	SISO	8.90	20.97	PASS
	2480	SISO	9.17	20.97	PASS
Pi/4DQPSK	2402	SISO	9.47	20.97	PASS
	2441	SISO	8.92	20.97	PASS
	2480	SISO	9.19	20.97	PASS
8DPSK	2402	SISO	9.64	20.97	PASS
	2441	SISO	9.08	20.97	PASS
	2480	SISO	9.35	20.97	PASS

### 2.2 Test Graph



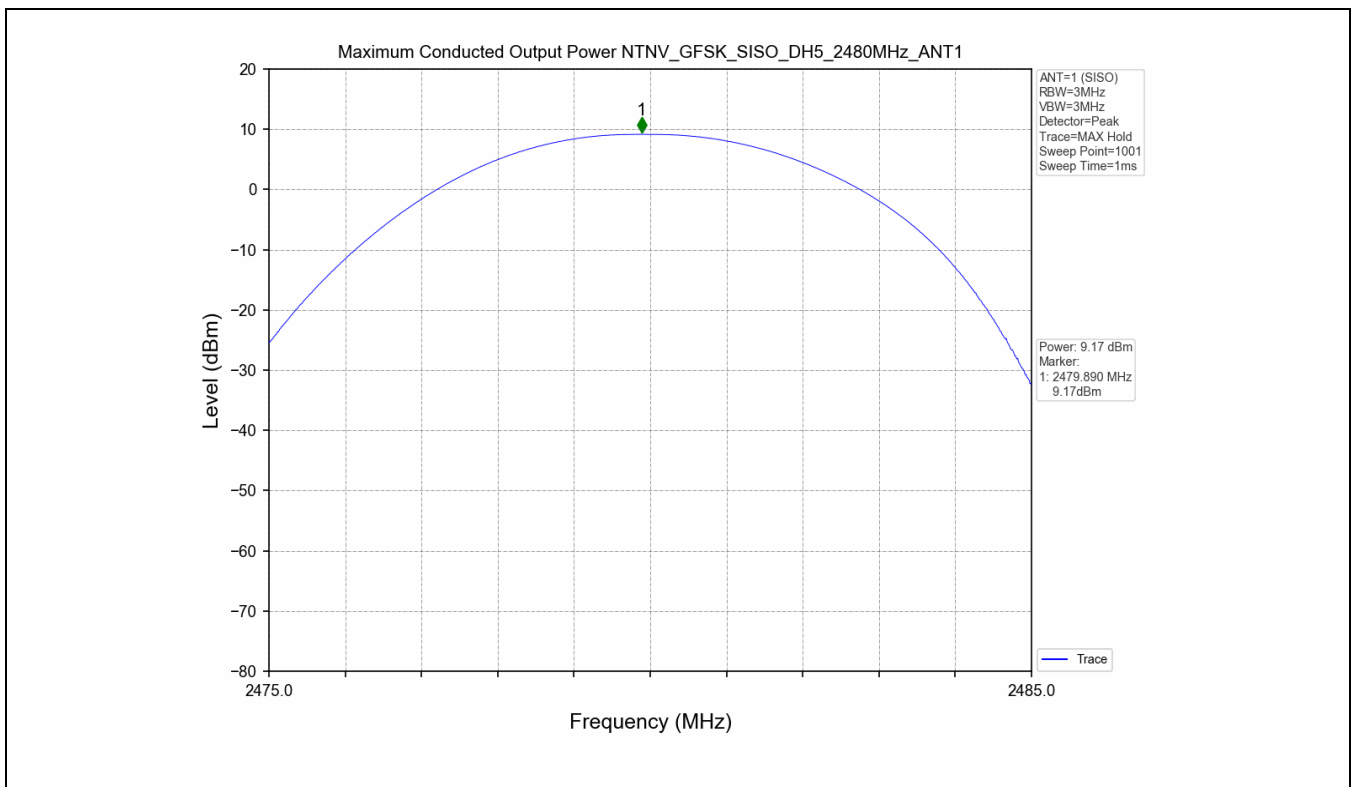
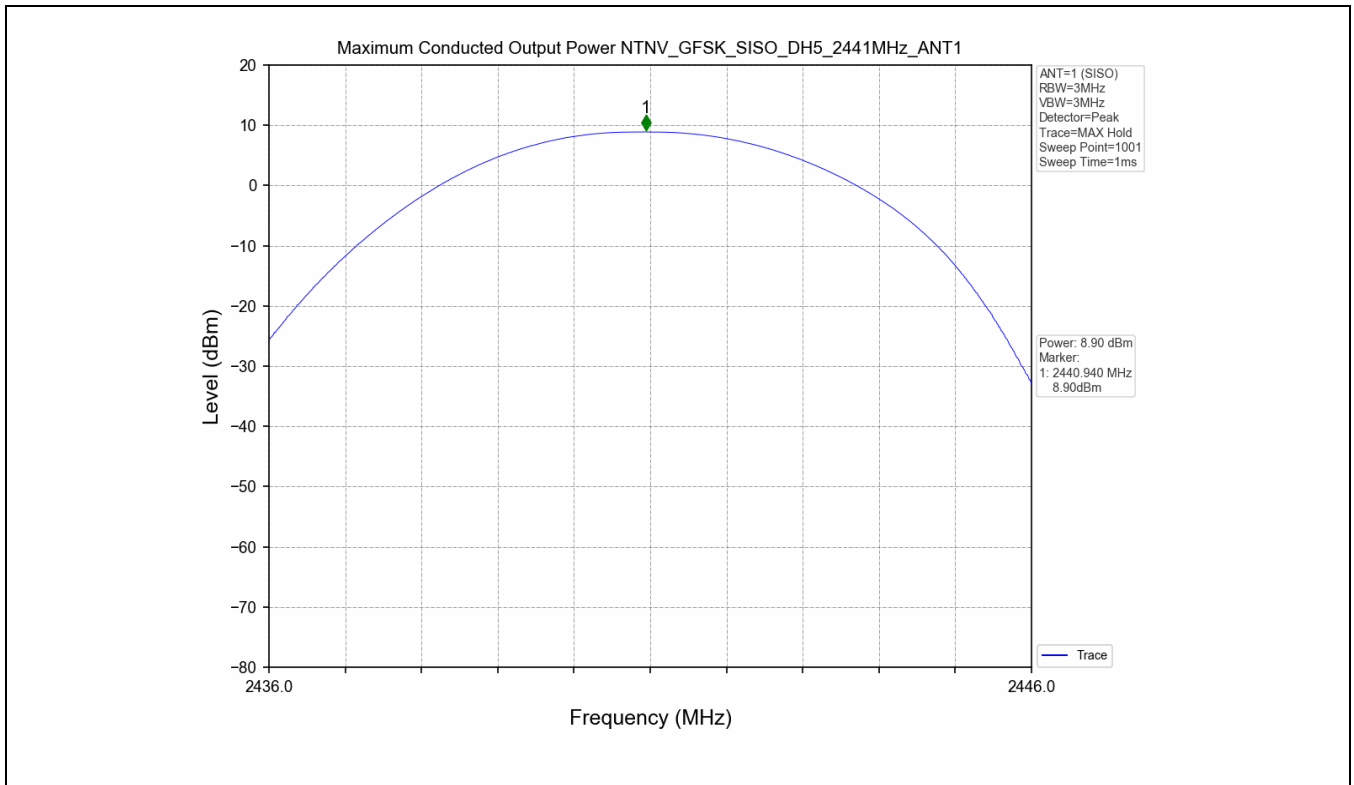
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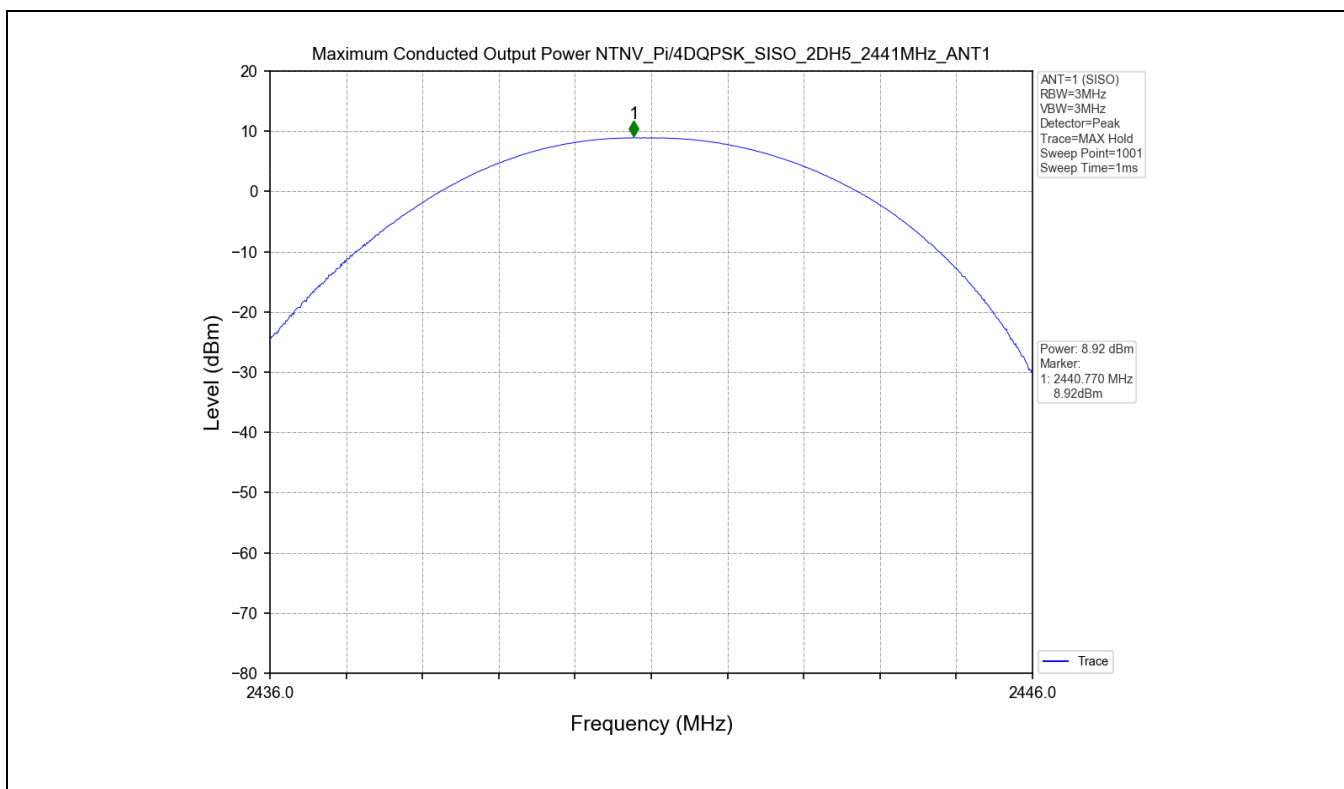
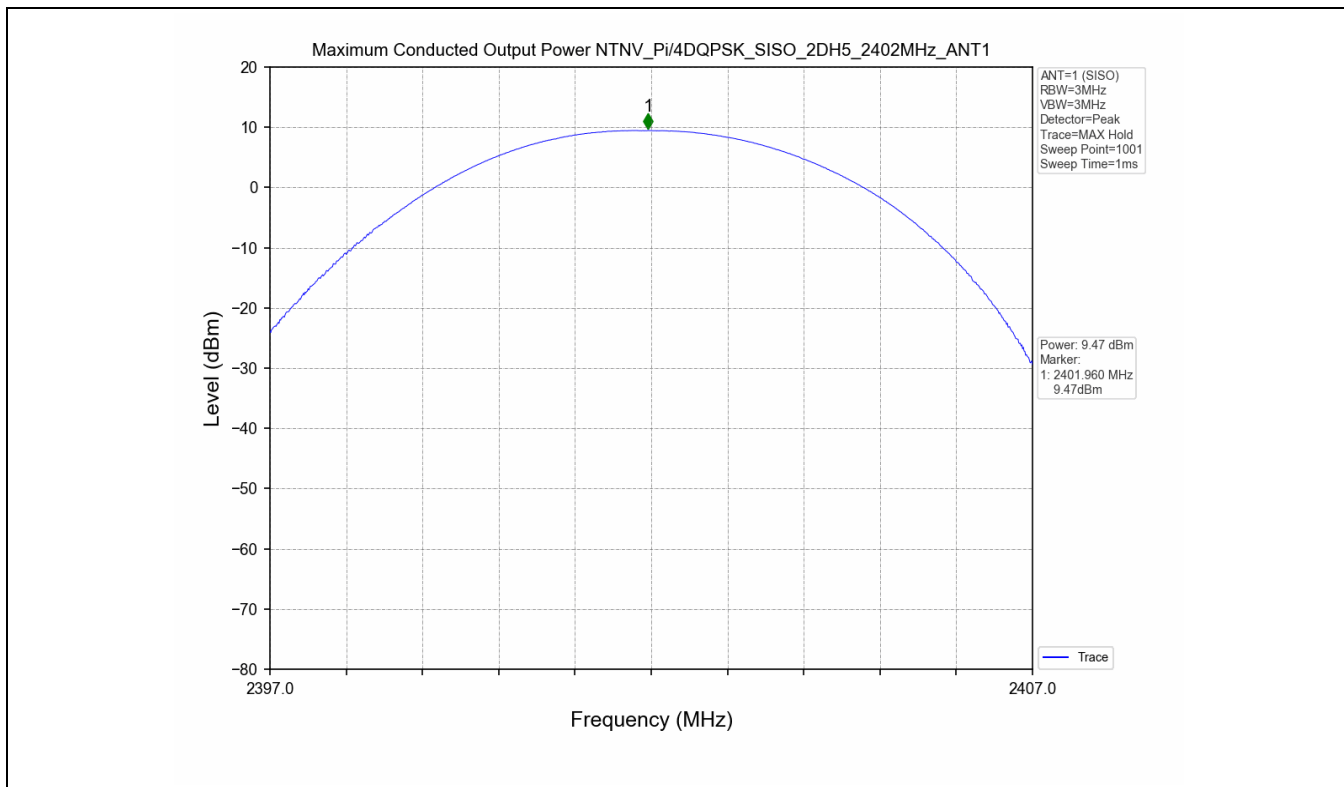
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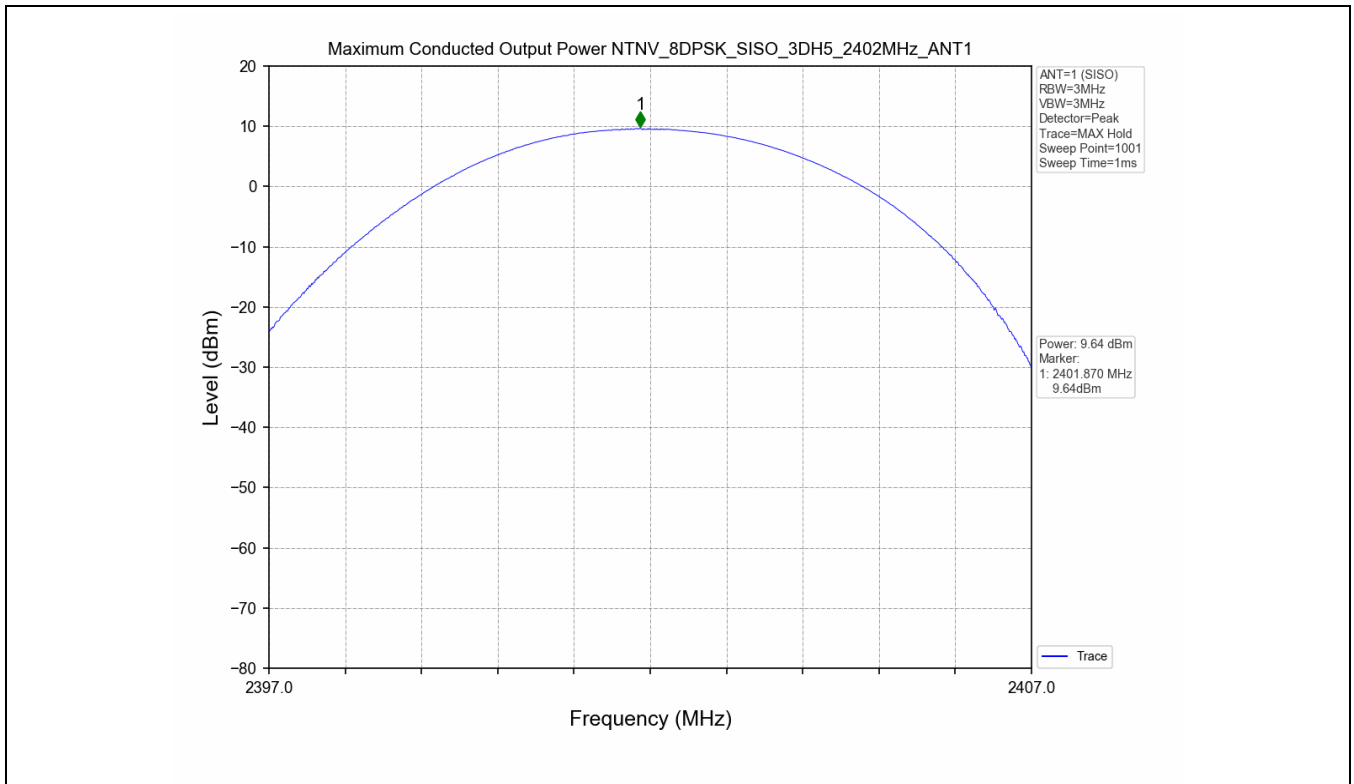
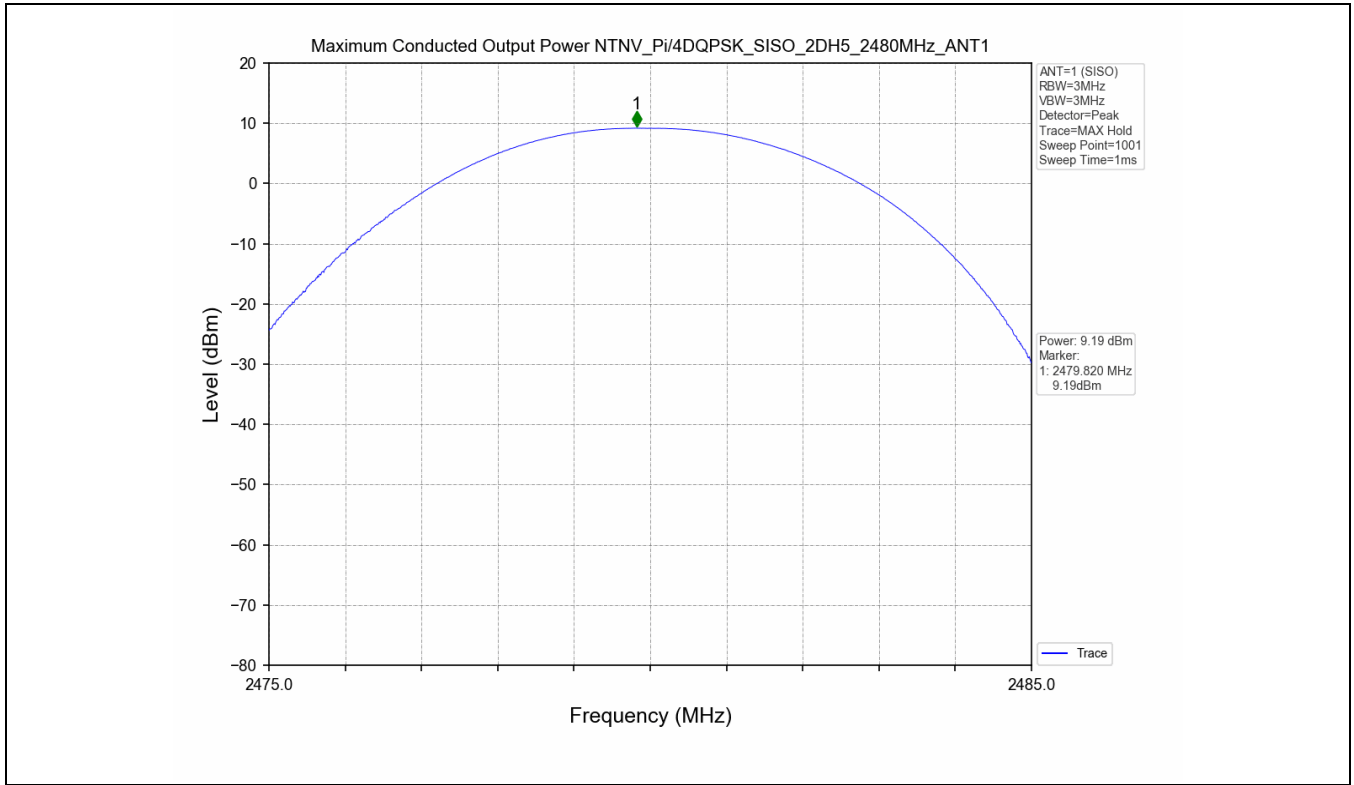
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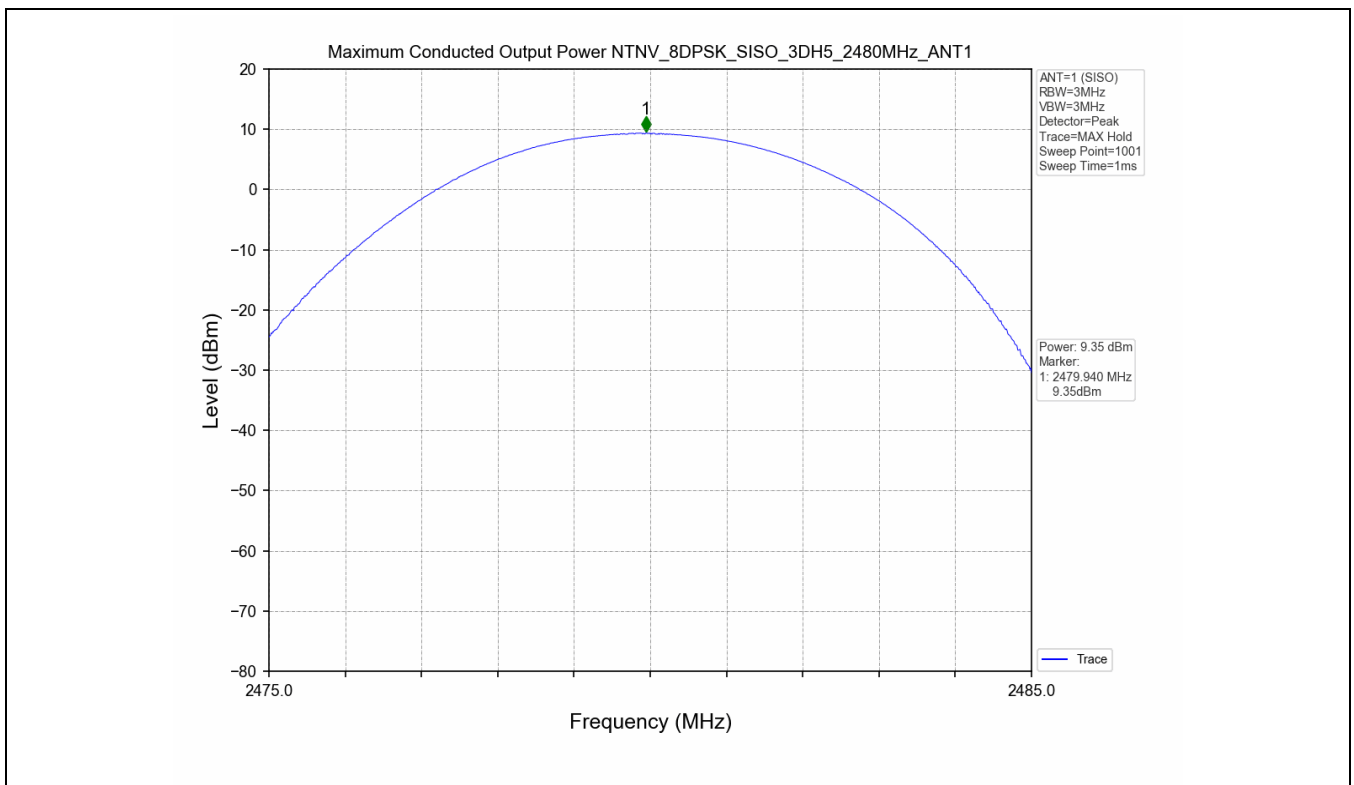
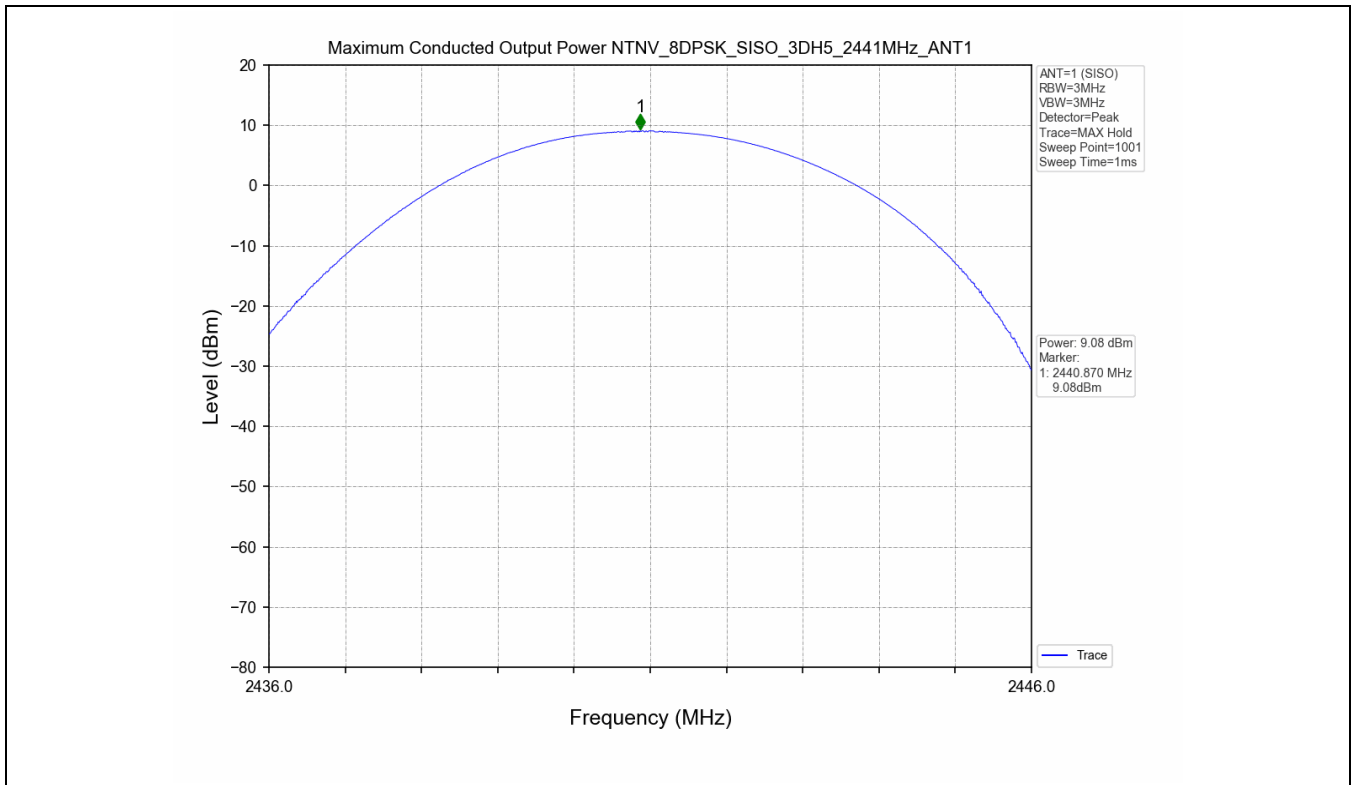
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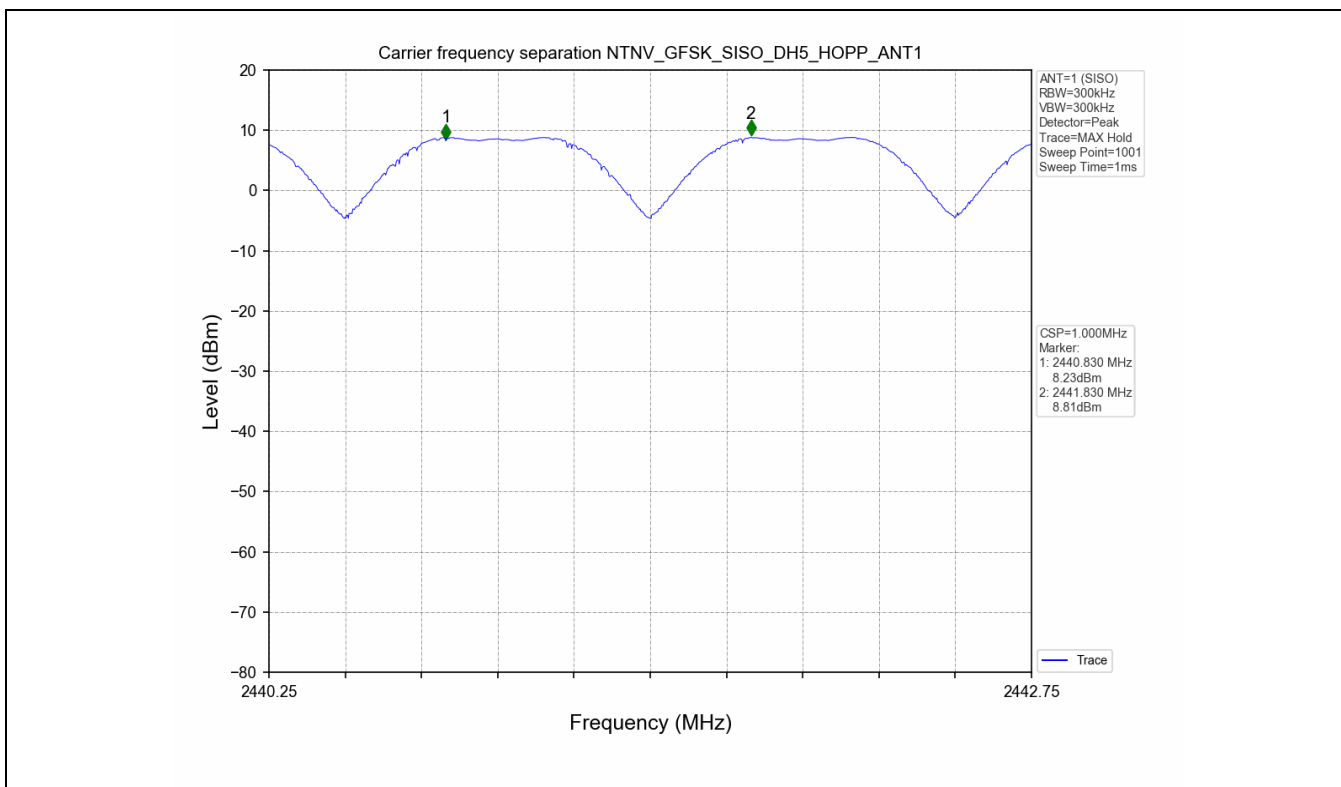
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### 3. Carrier frequency separation

#### 3.1 Test Result

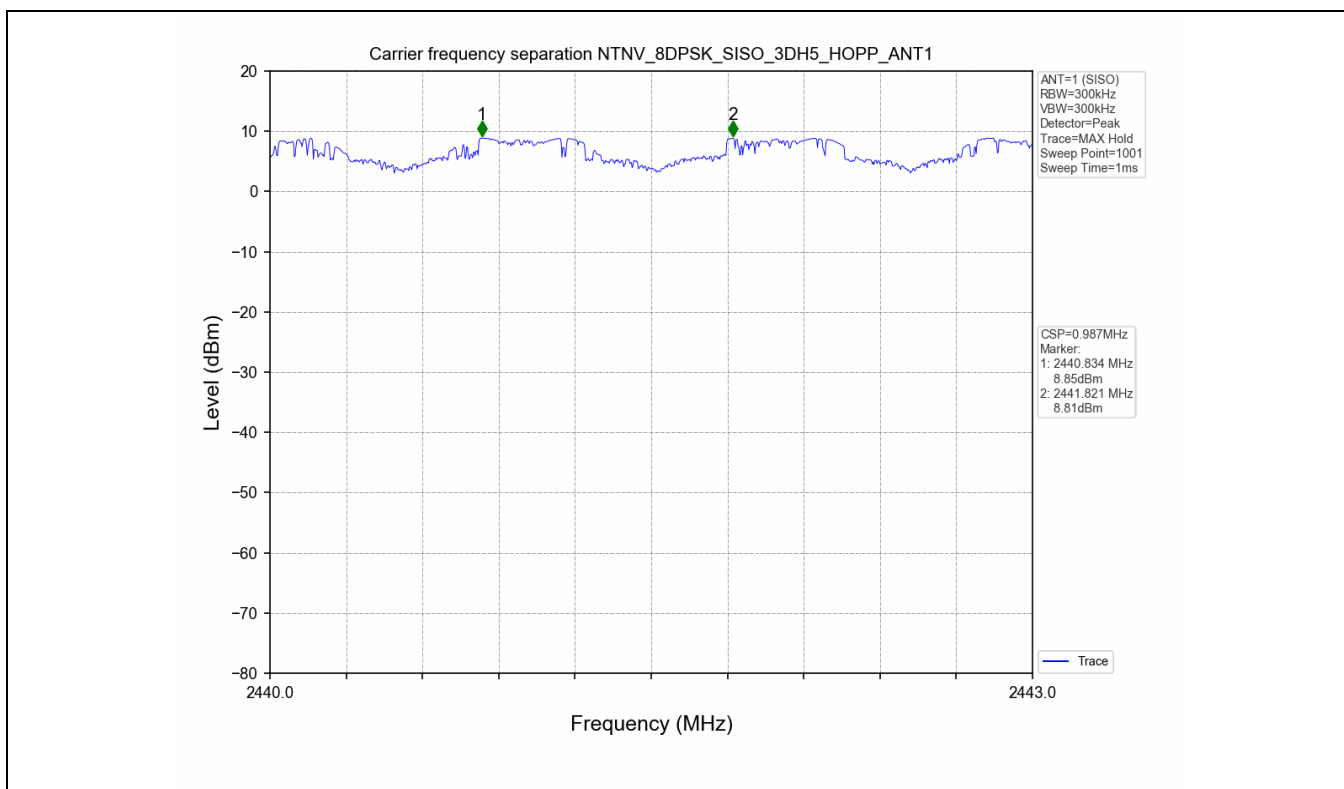
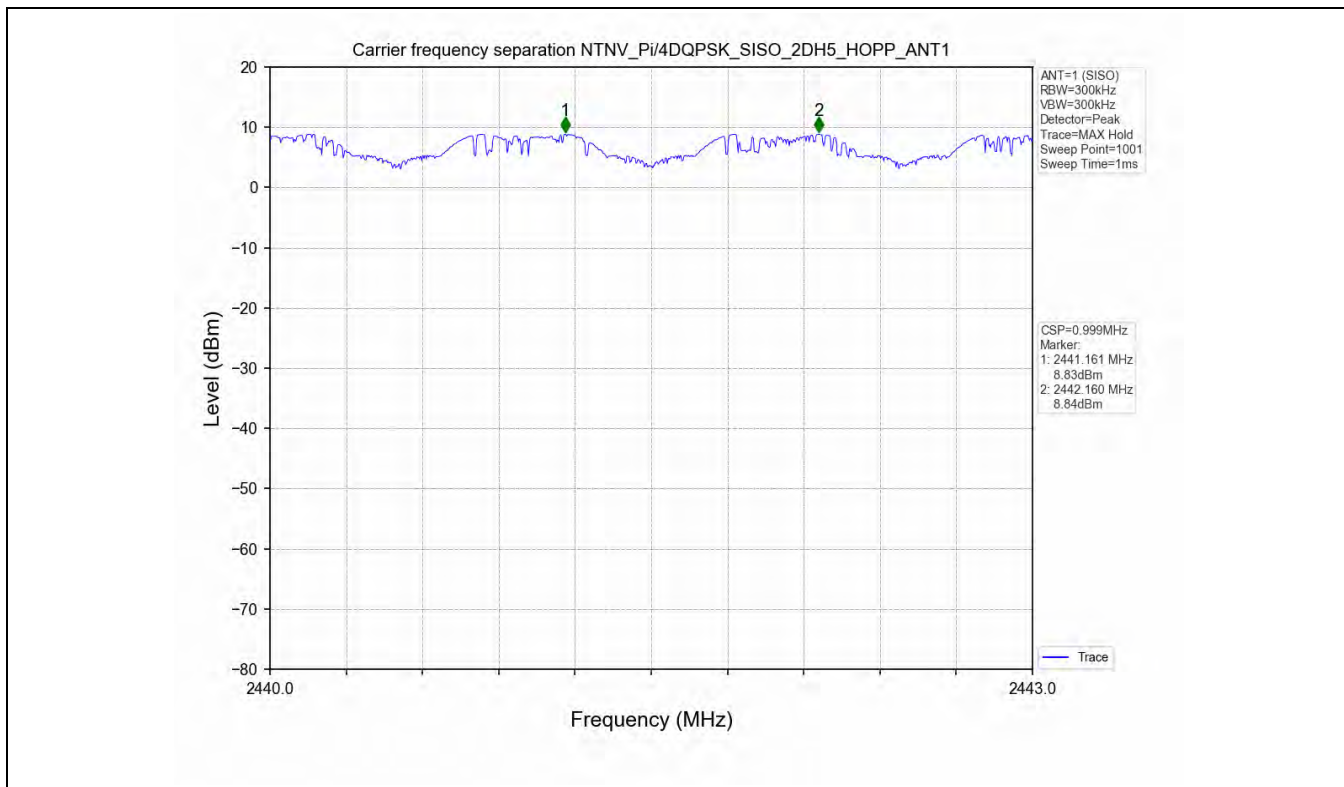
Test Mode	TX Type	ANT No.	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limits (MHz)	Verdict
GFSK	SISO	1	1.000	1.023	≥0.682	PASS
Pi/4DQPSK	SISO	1	0.999	1.232	≥0.821	PASS
8DPSK	SISO	1	0.987	1.292	≥0.861	PASS

#### 3.2 Test Graph



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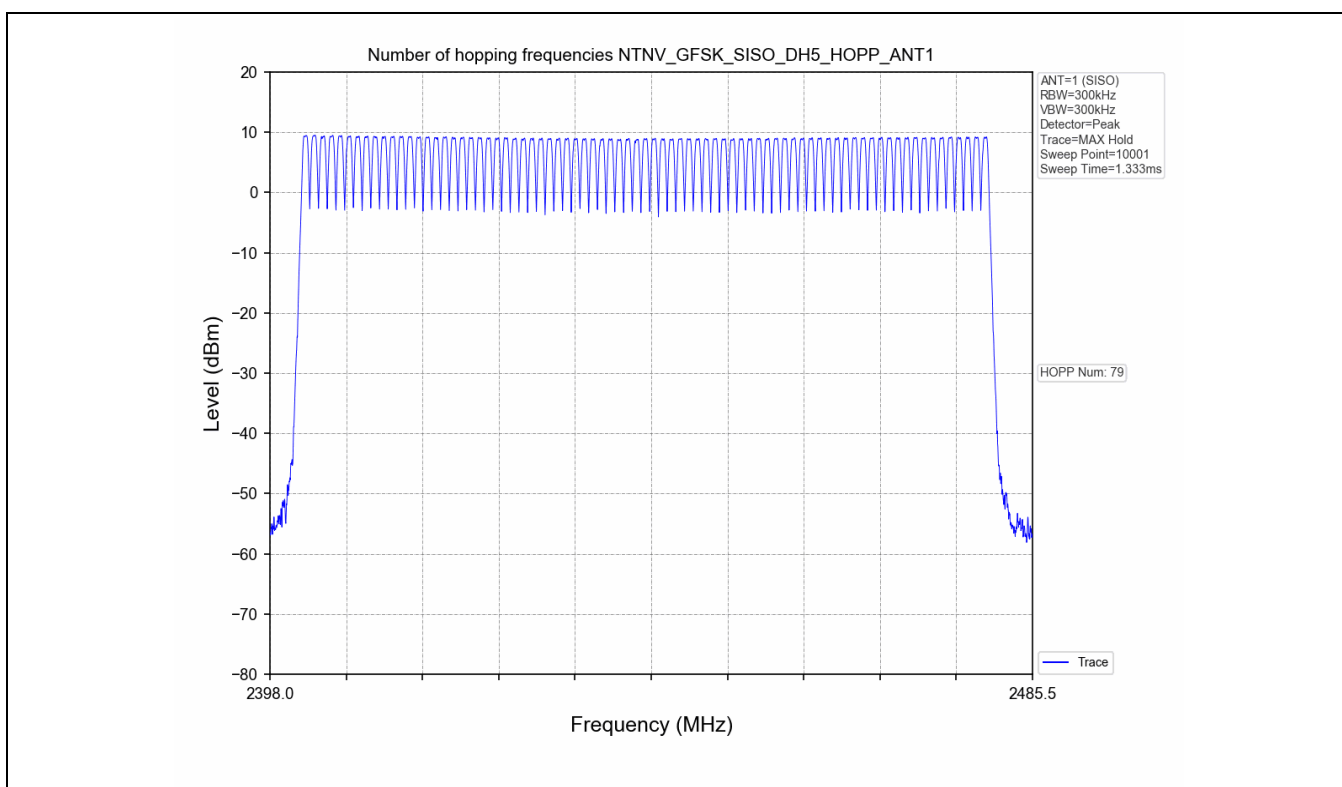
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## 4. Number of hopping frequencies

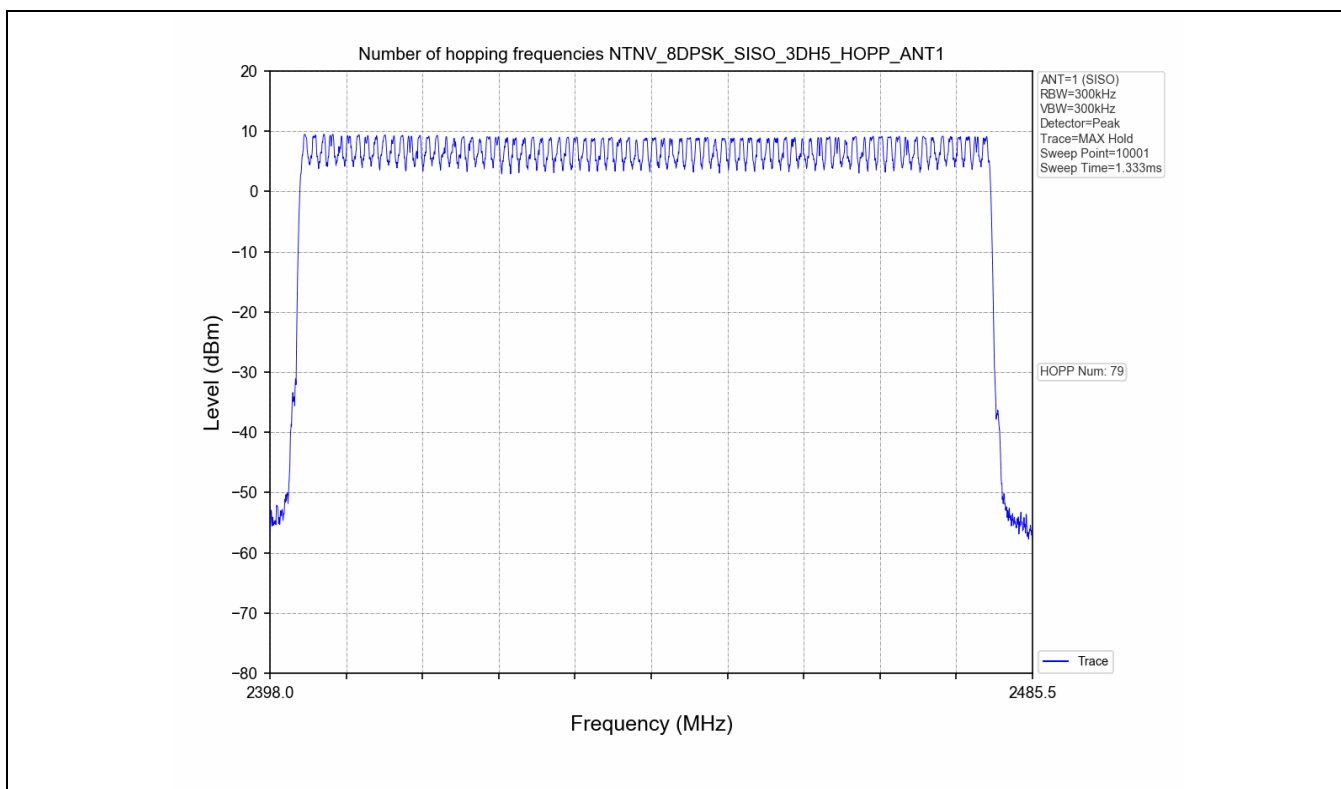
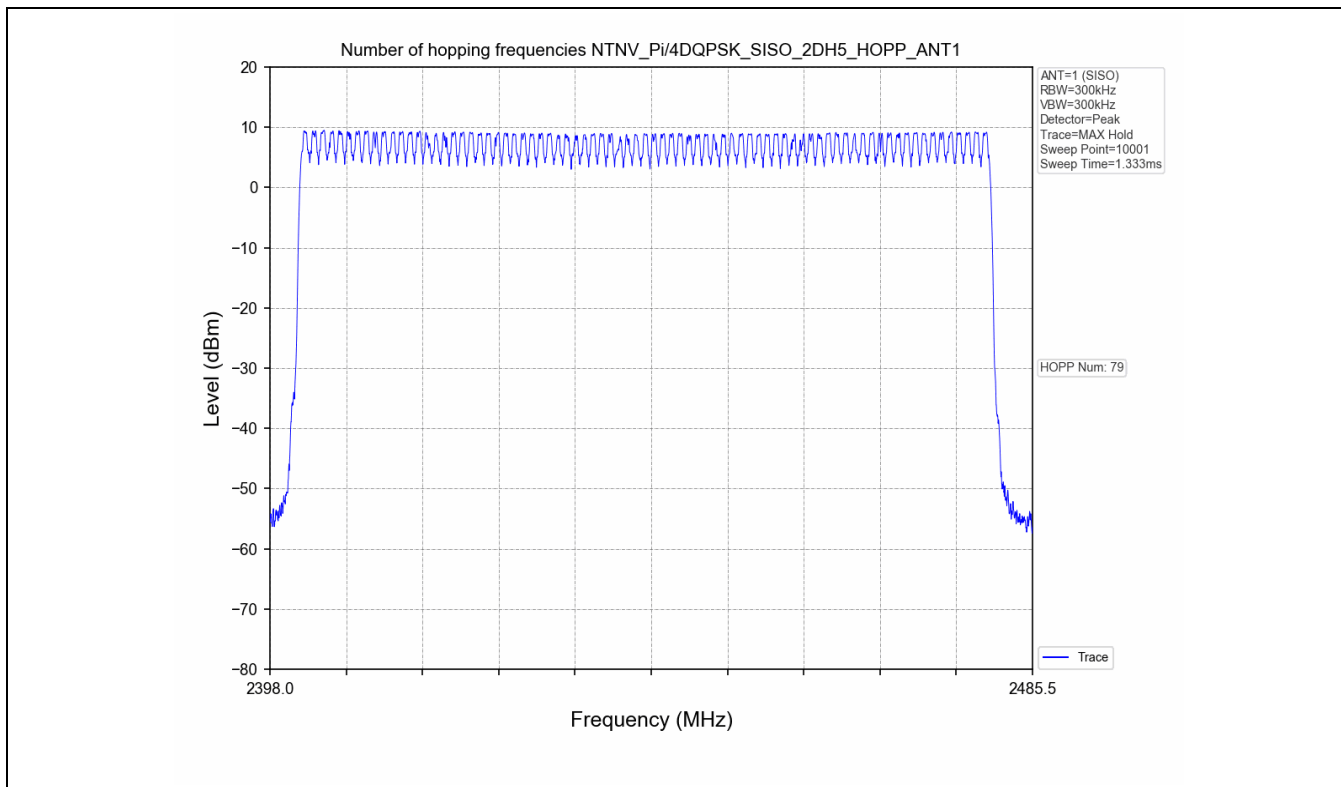
### 4.1 Test Result

Test Mode	TX Type	ANT No.	Num of Hopping Frequencies	Limits	Verdict
GFSK	SISO	1	79	≥15	PASS
Pi/4DQPSK	SISO	1	79	≥15	PASS
8DPSK	SISO	1	79	≥15	PASS

### 4.2 Test Graph



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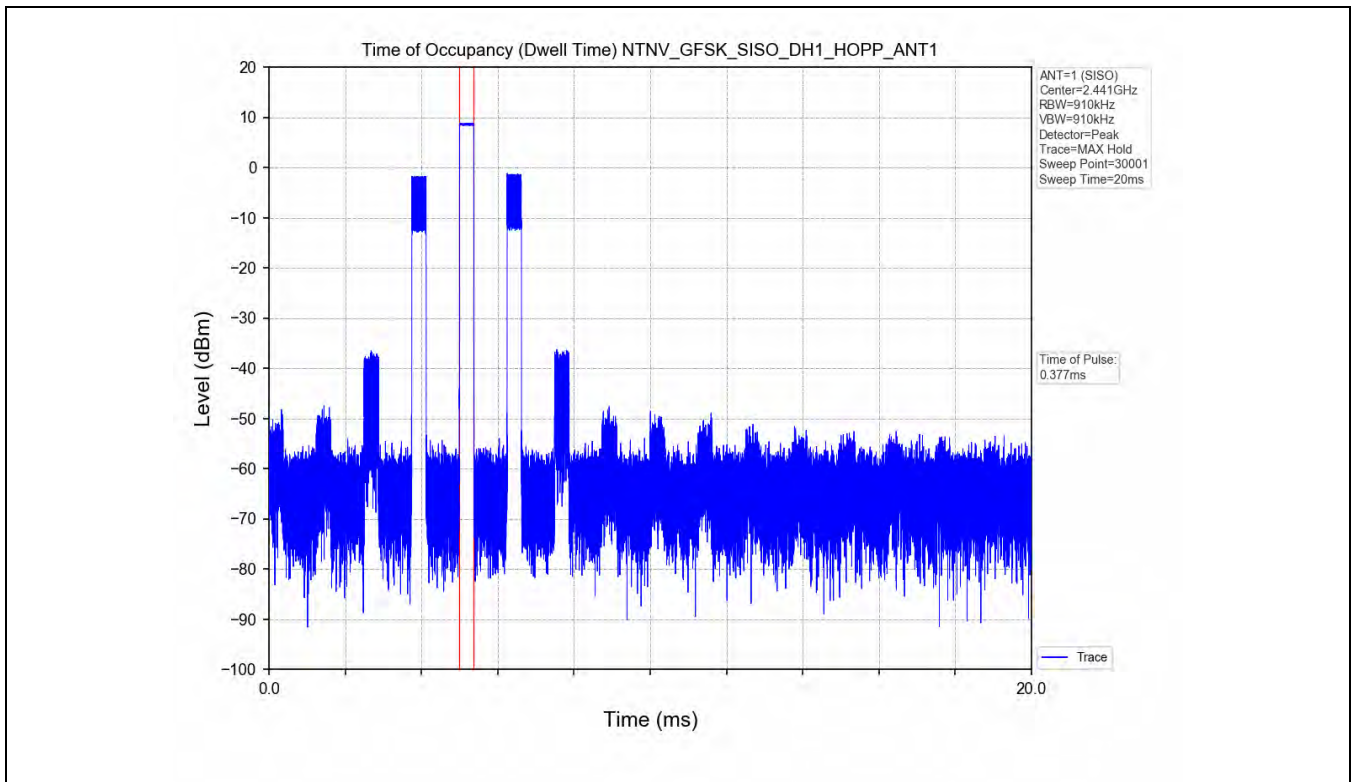


**5. Time of occupancy (dwell time)**

**5.1 Test Result**

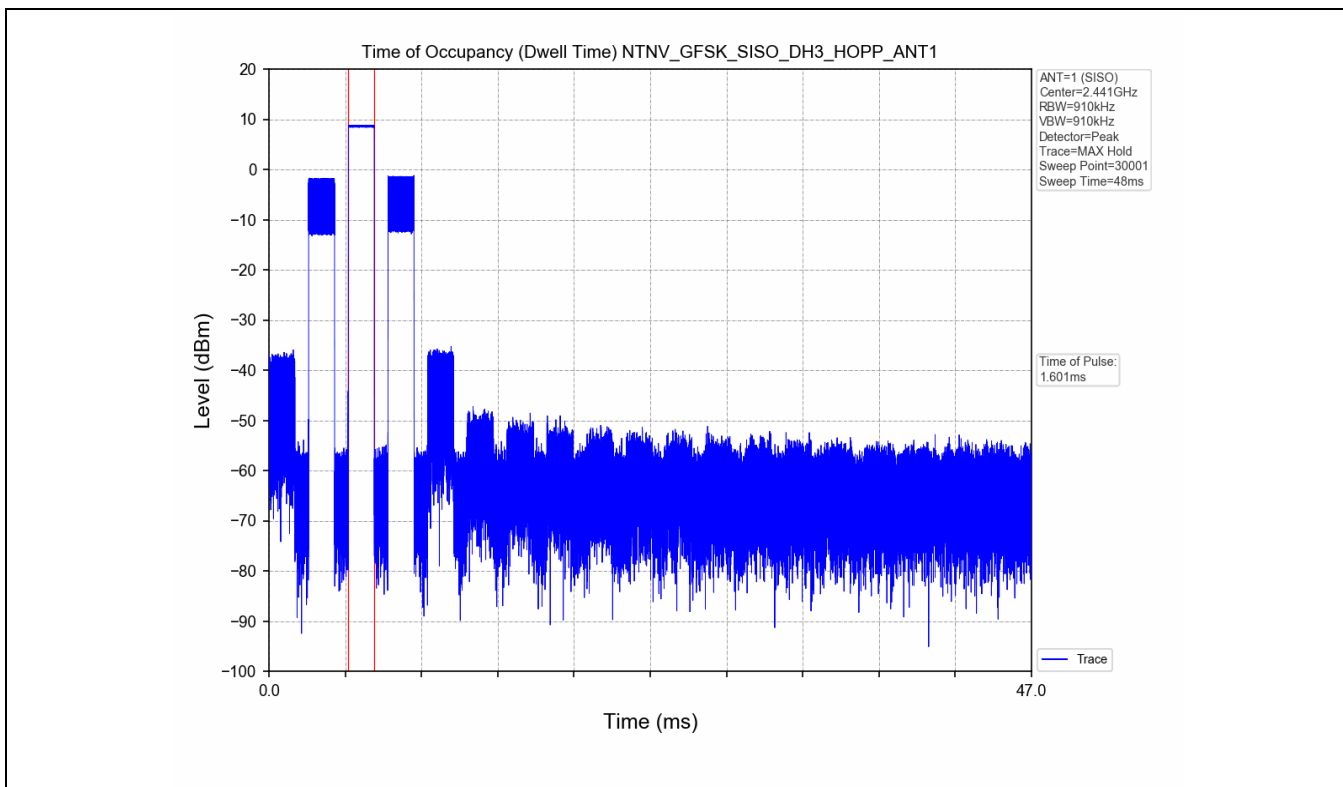
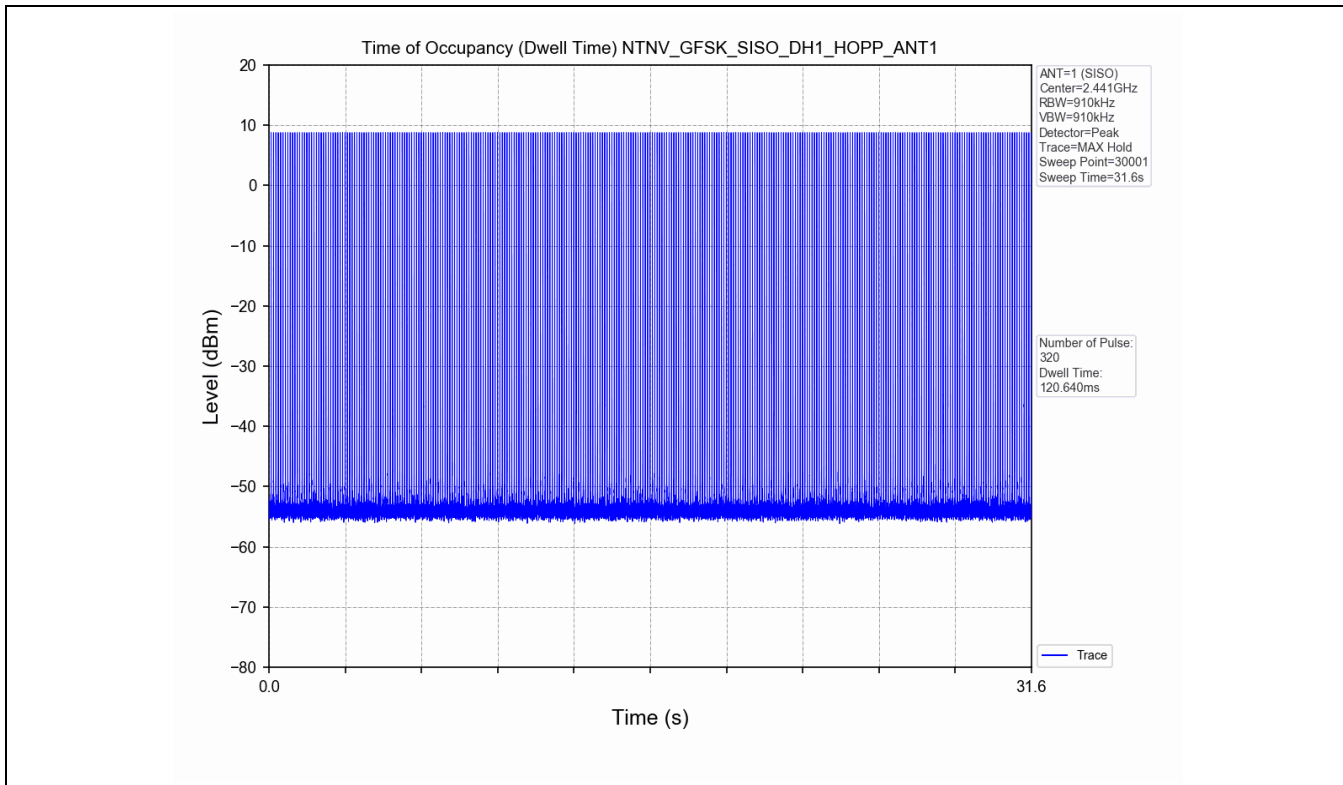
Test Mode	Packet Type	TX Type	ANT No.	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limits (ms)	Verdict
GFSK	DH1	SISO	1	0.377	31.6	320	120.640	≤400	PASS
	DH3	SISO	1	1.601	31.6	160	256.160	≤400	PASS
	DH5	SISO	1	2.828	31.6	106	299.768	≤400	PASS
Pi/4DQ PSK	2DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	2DH3	SISO	1	1.636	31.6	160	261.760	≤400	PASS
	2DH5	SISO	1	2.886	31.6	106	305.916	≤400	PASS
8DPSK	3DH1	SISO	1	0.383	31.6	320	122.560	≤400	PASS
	3DH3	SISO	1	1.603	31.6	160	256.480	≤400	PASS
	3DH5	SISO	1	2.886	31.6	107	308.802	≤400	PASS

**5.2 Test Graph**

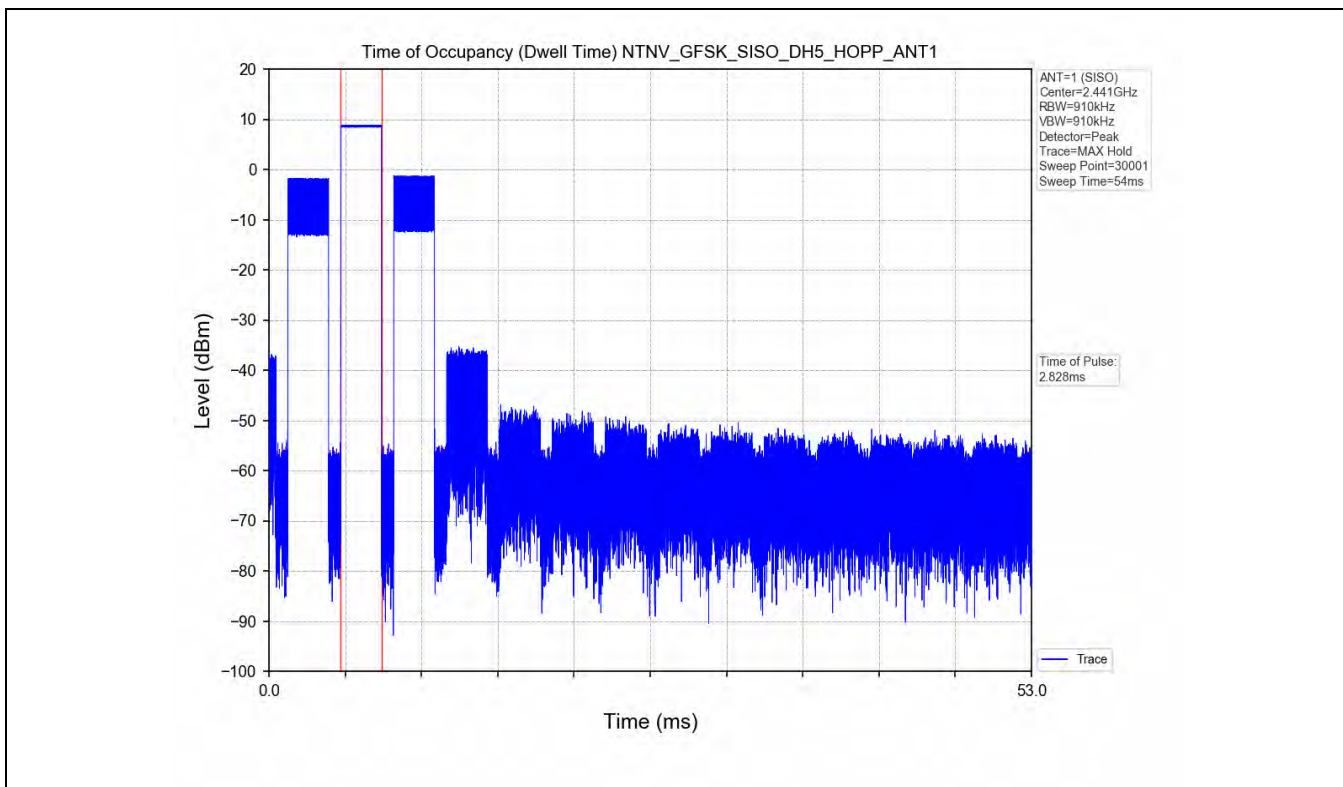
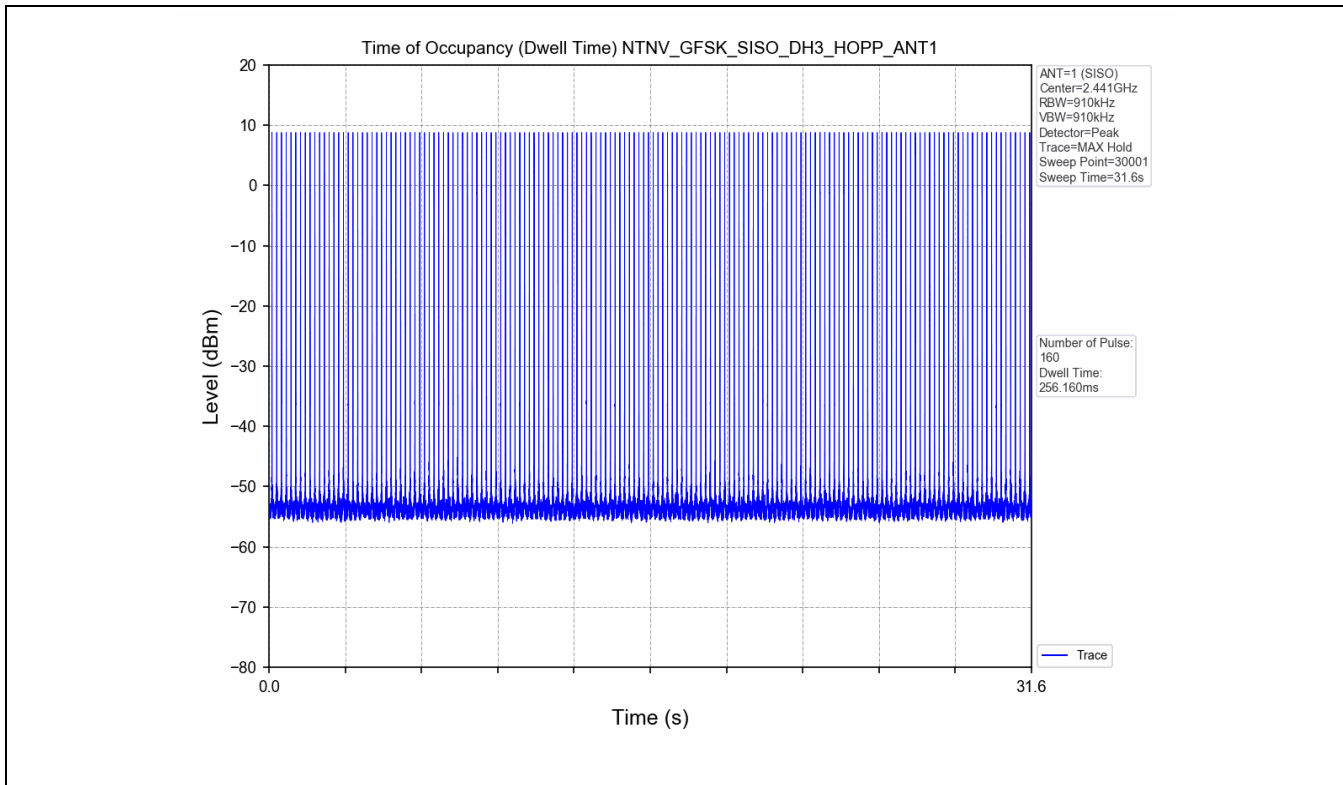


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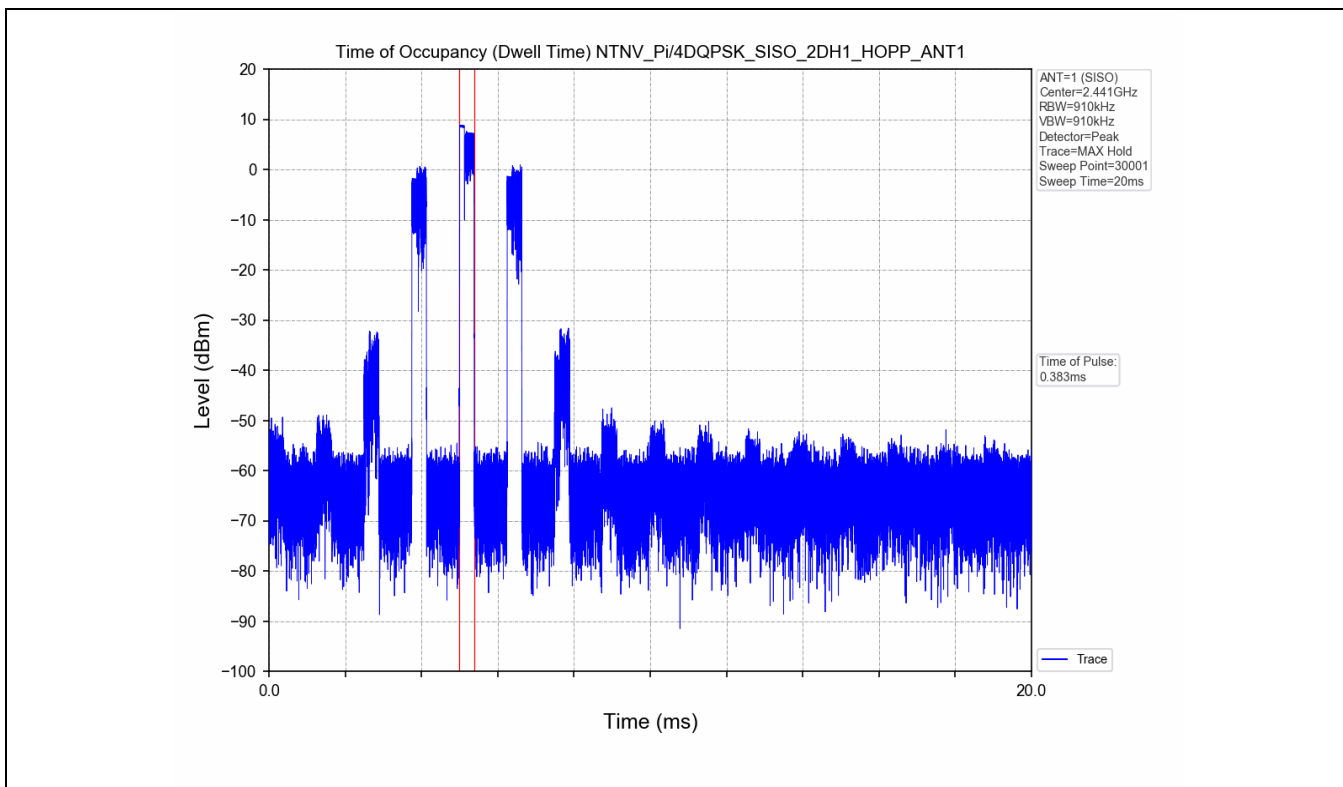
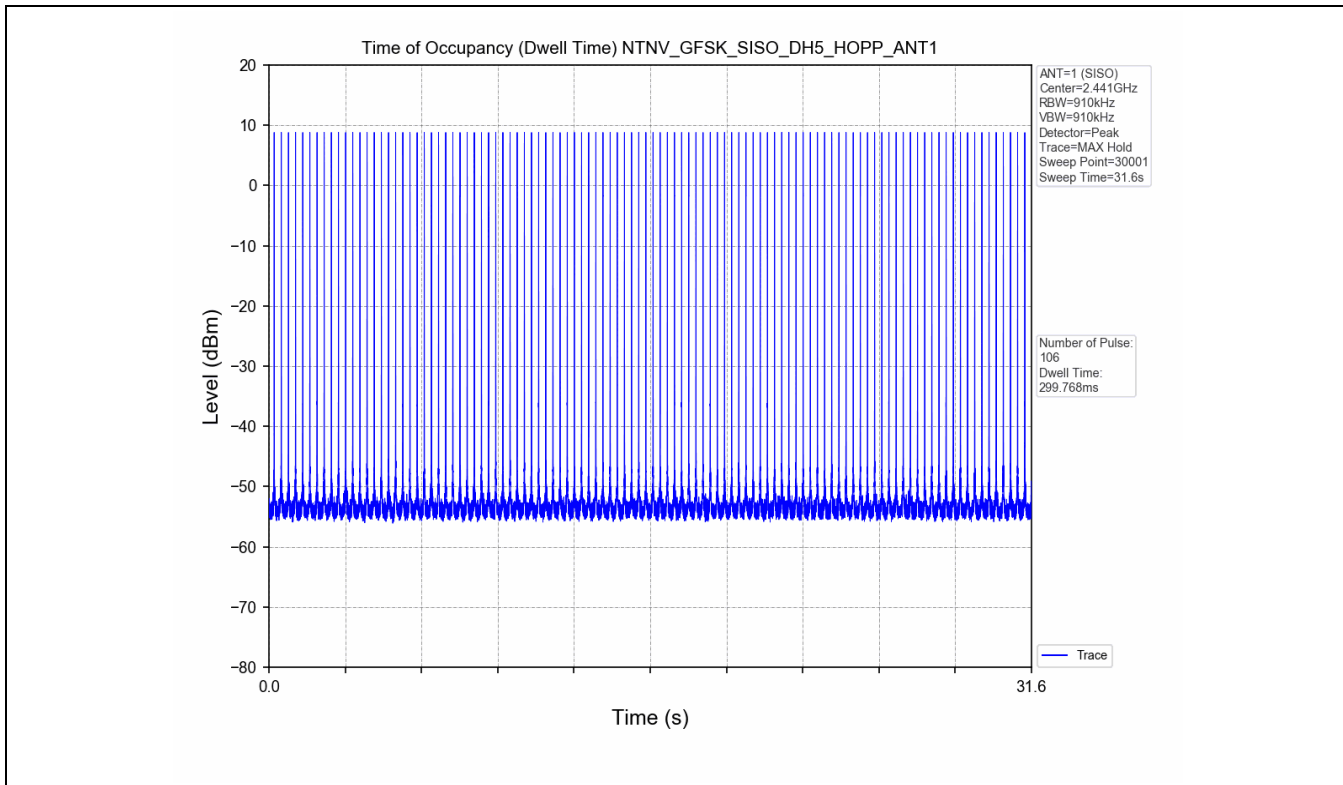
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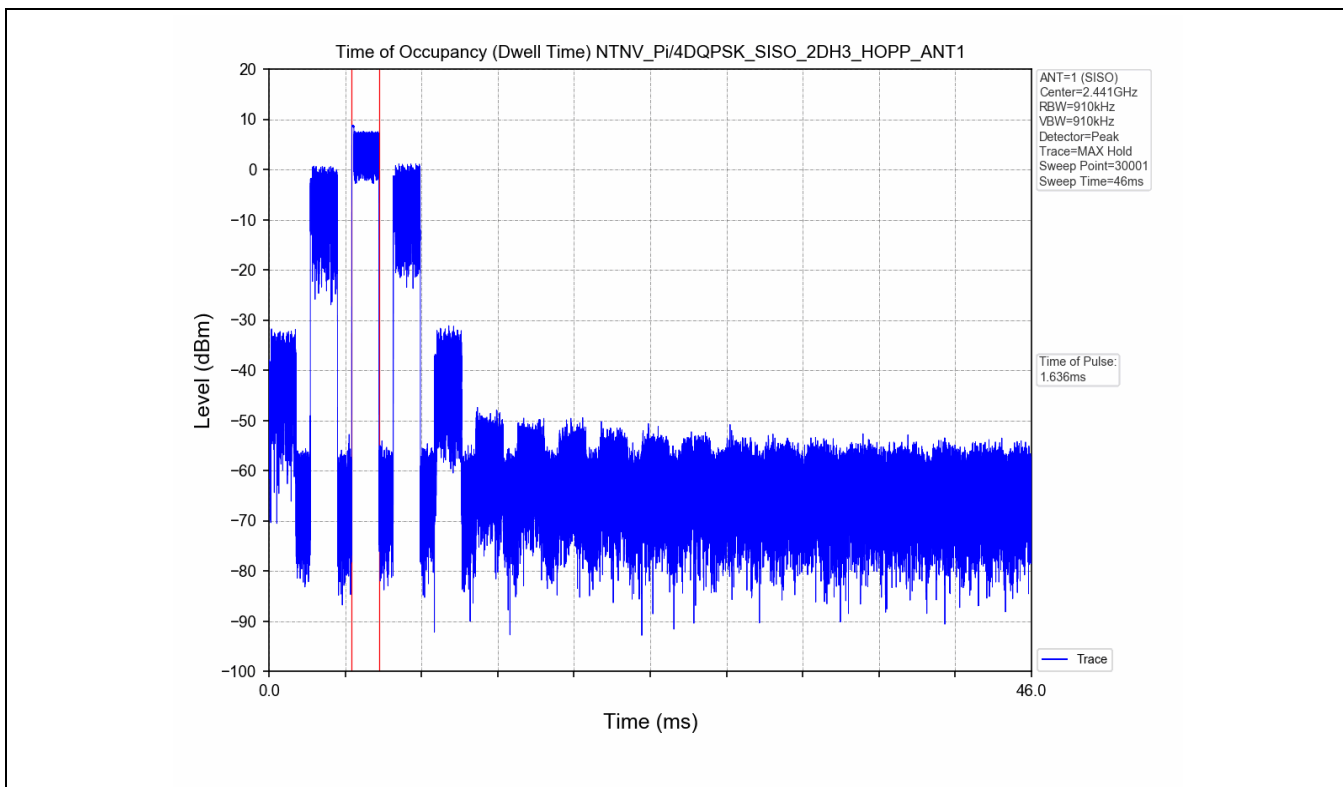
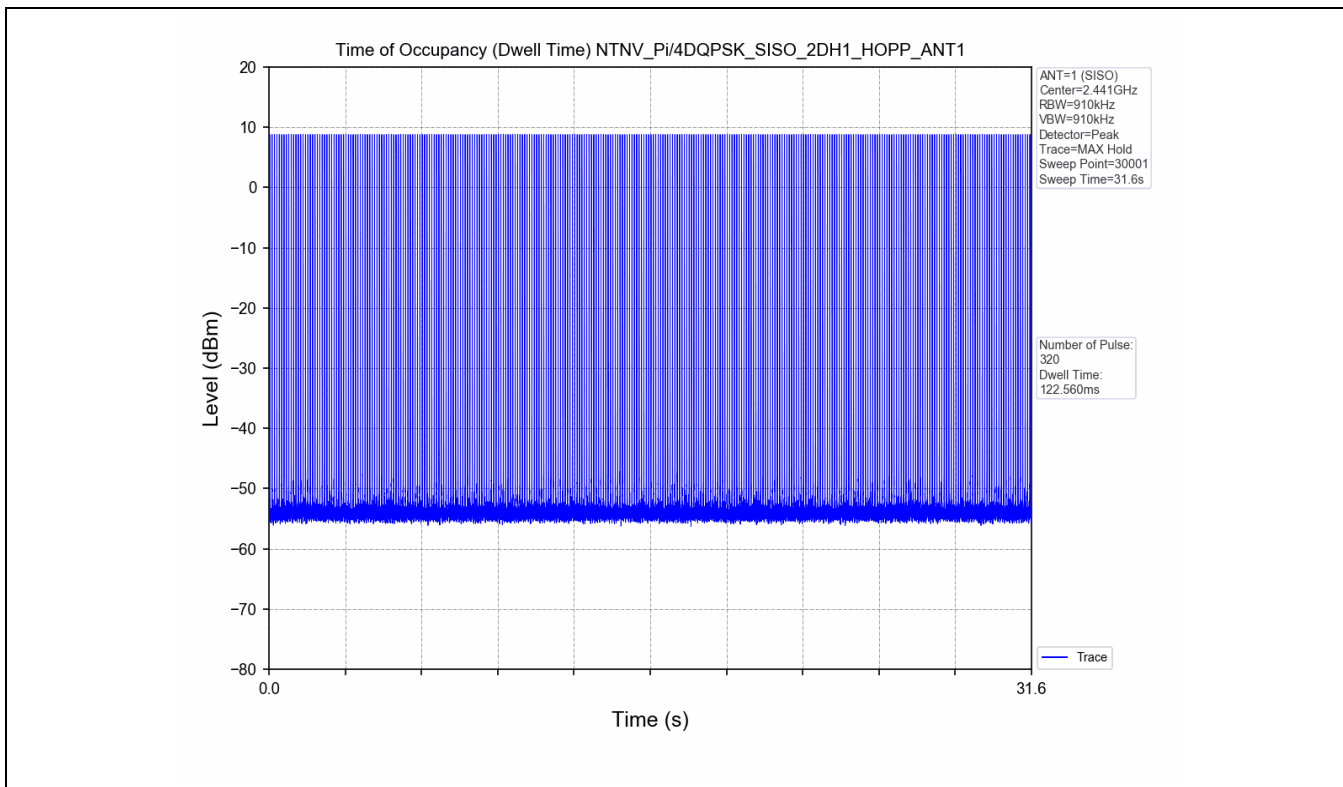
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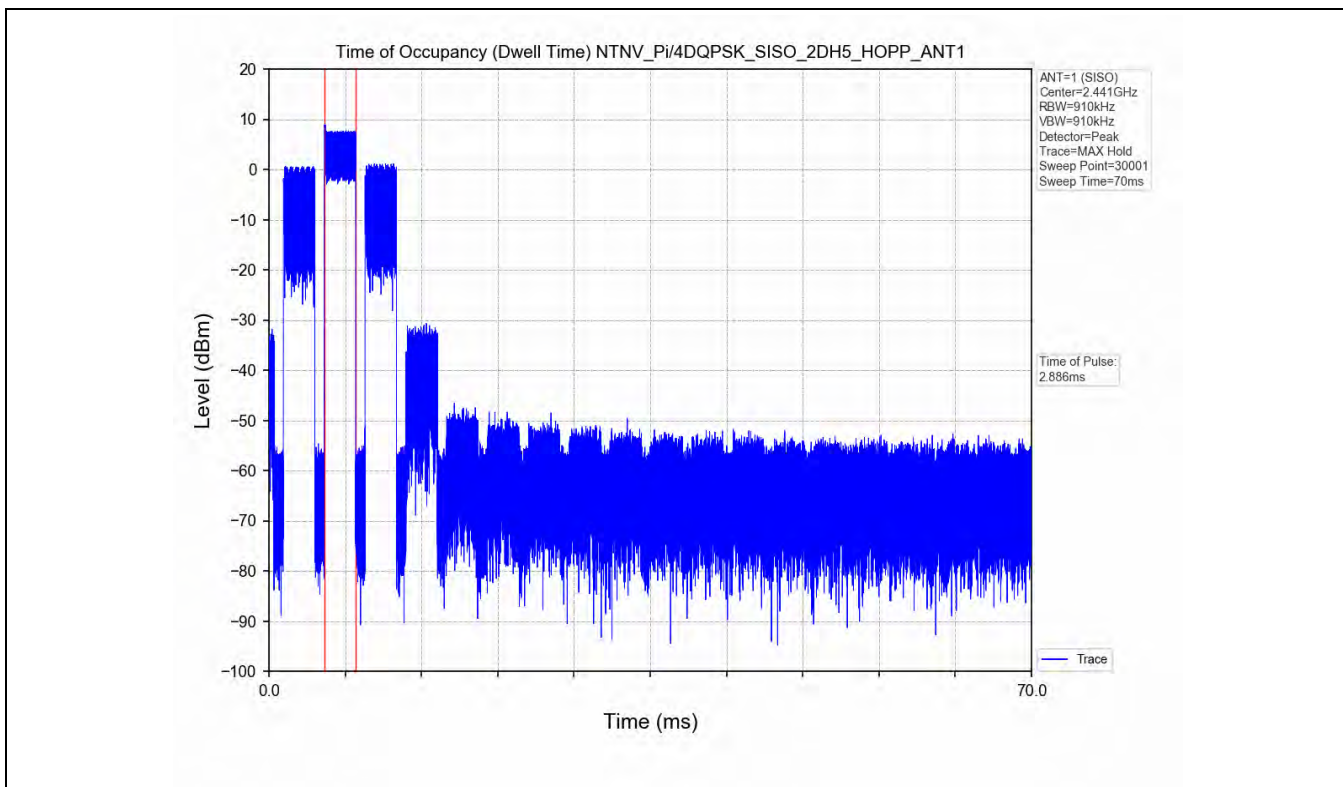
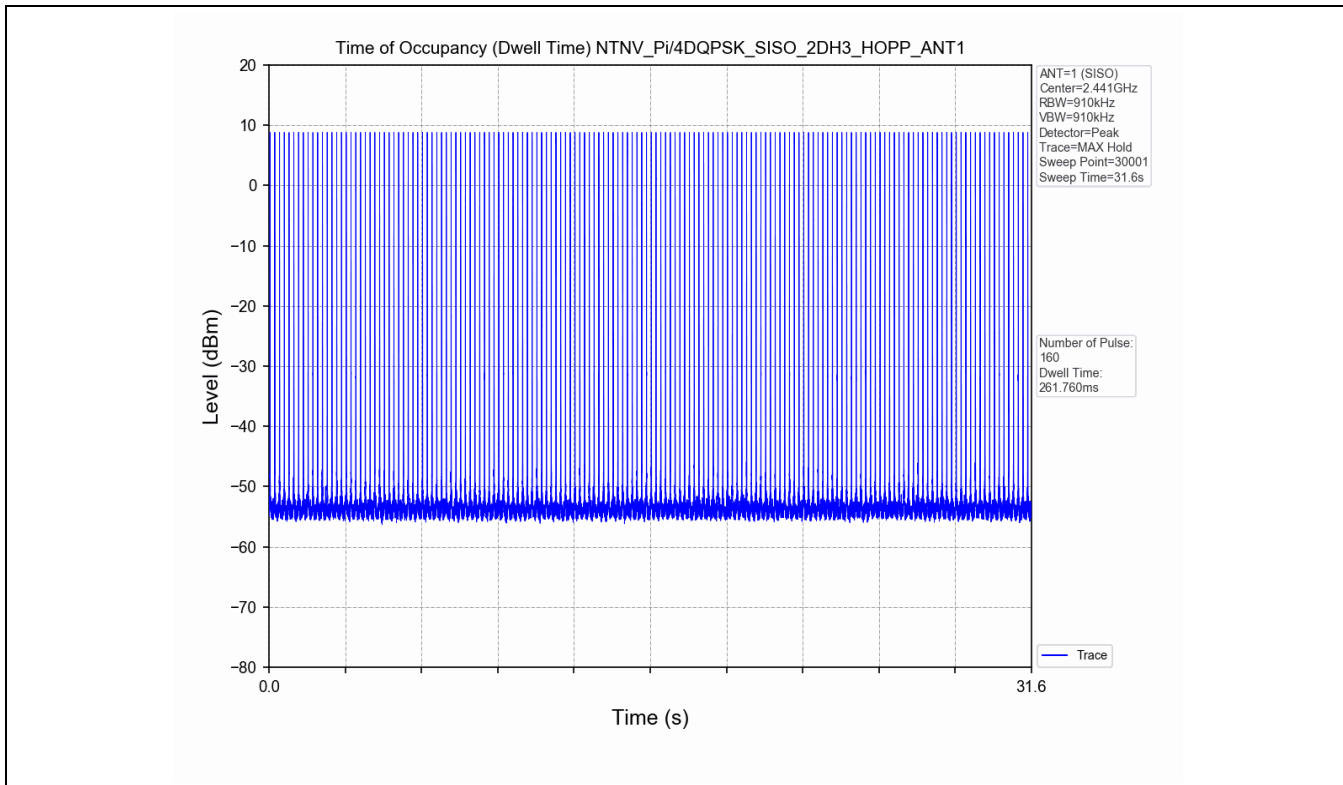
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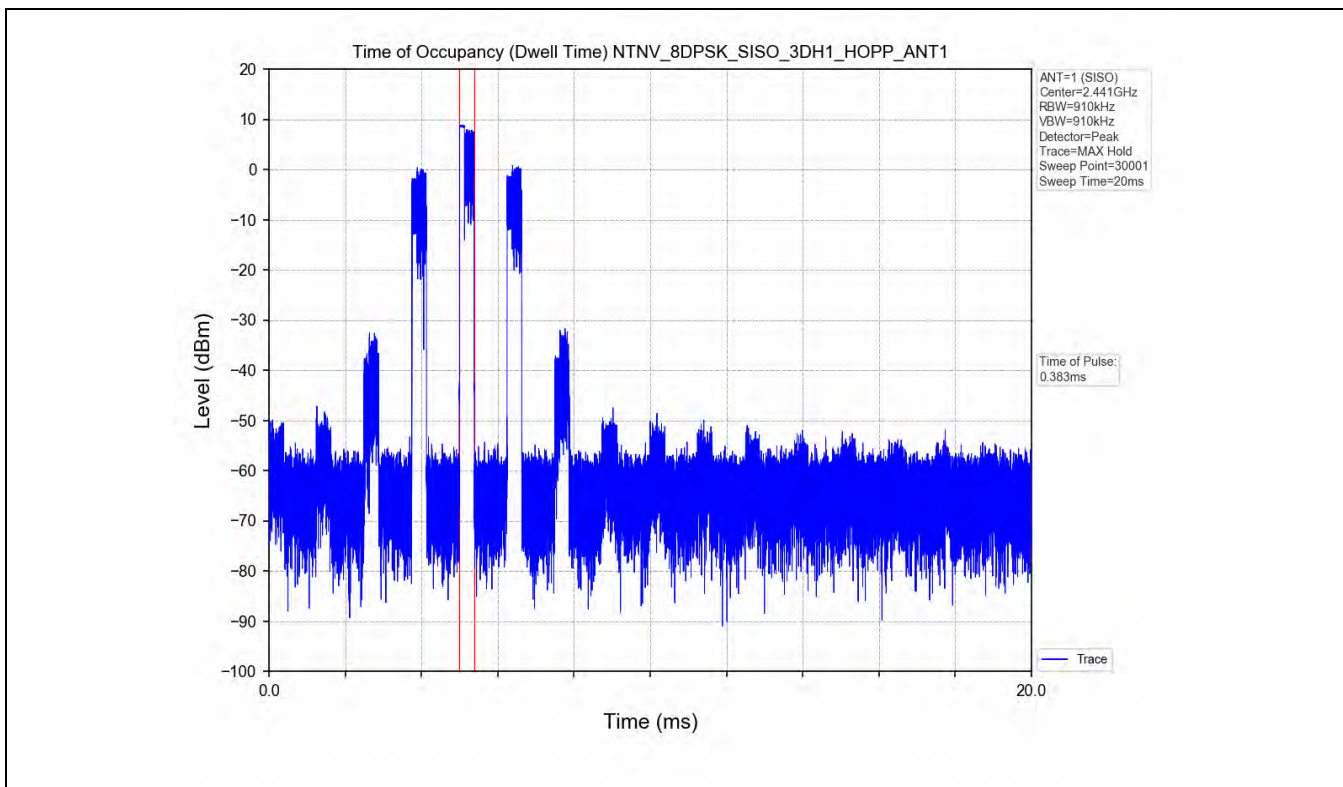
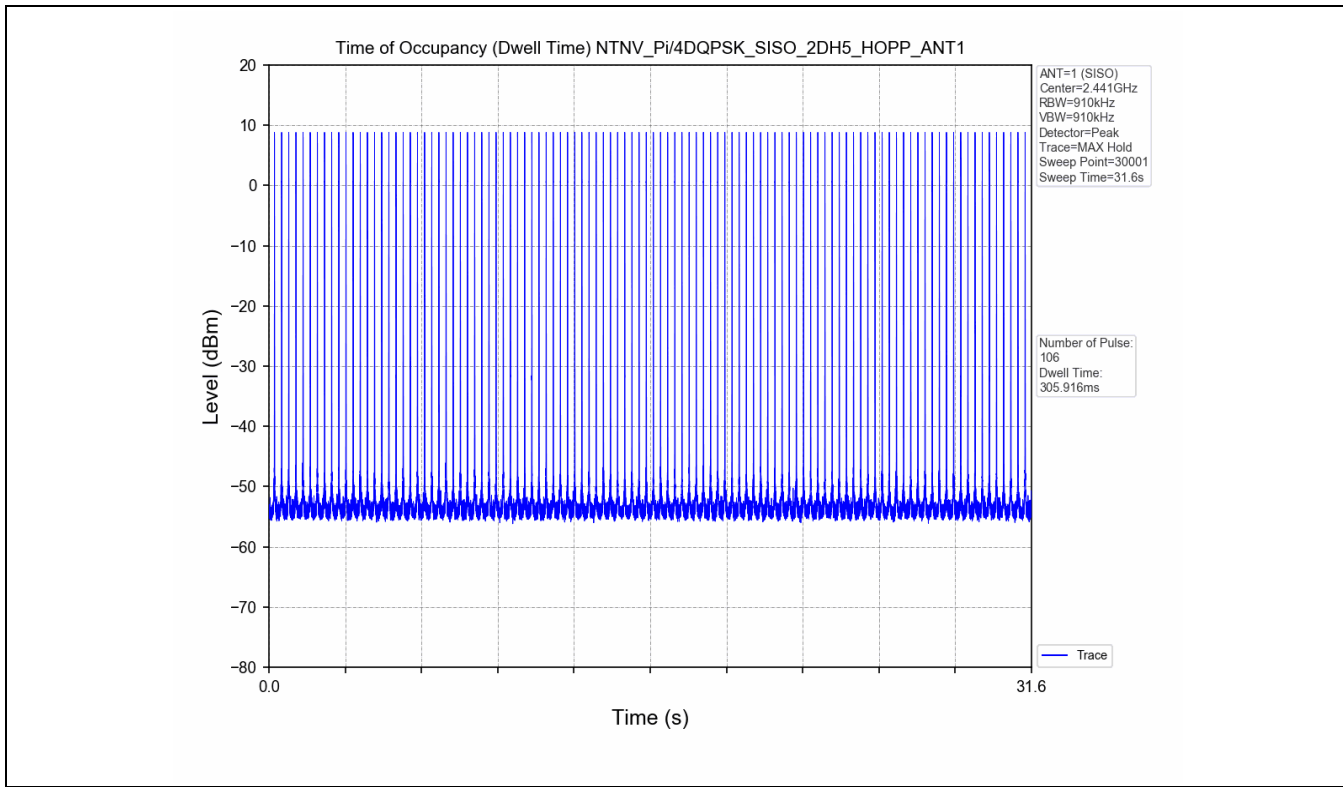
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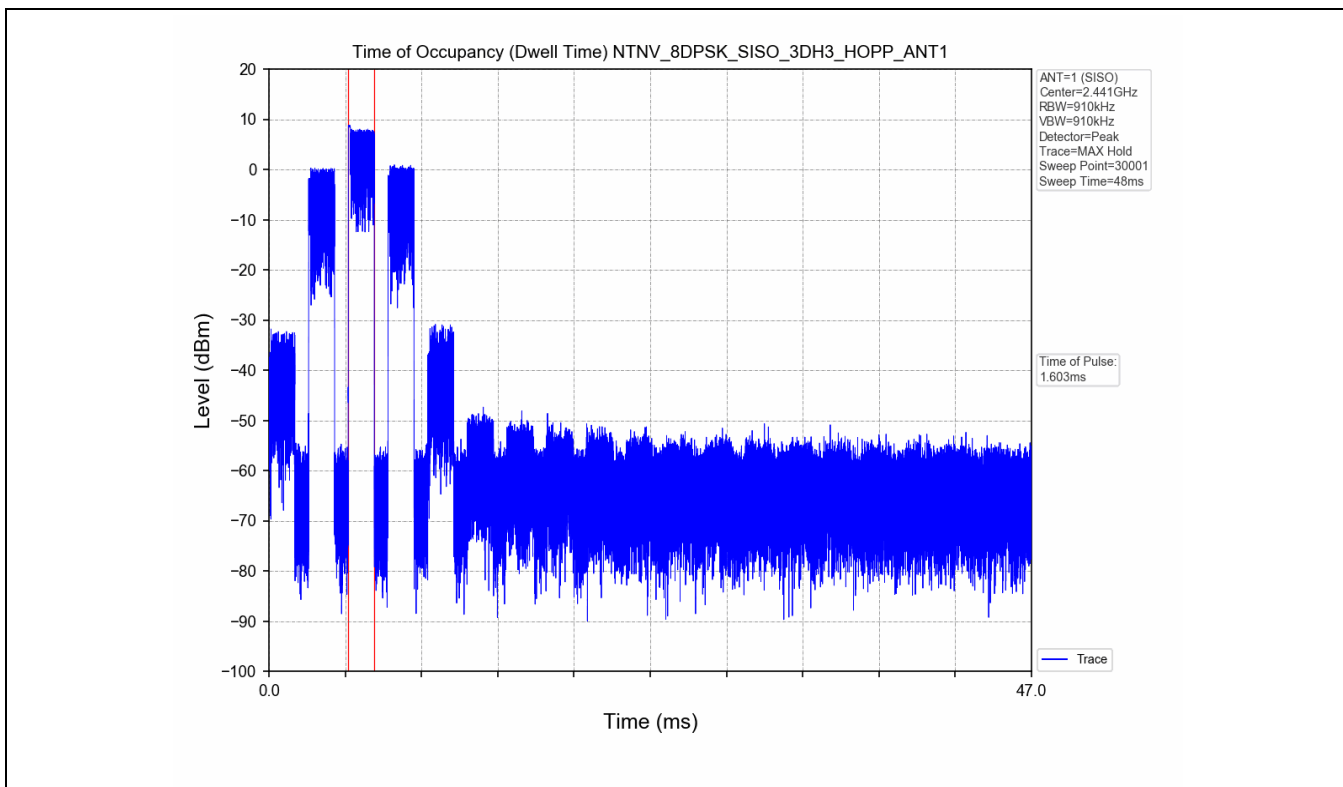
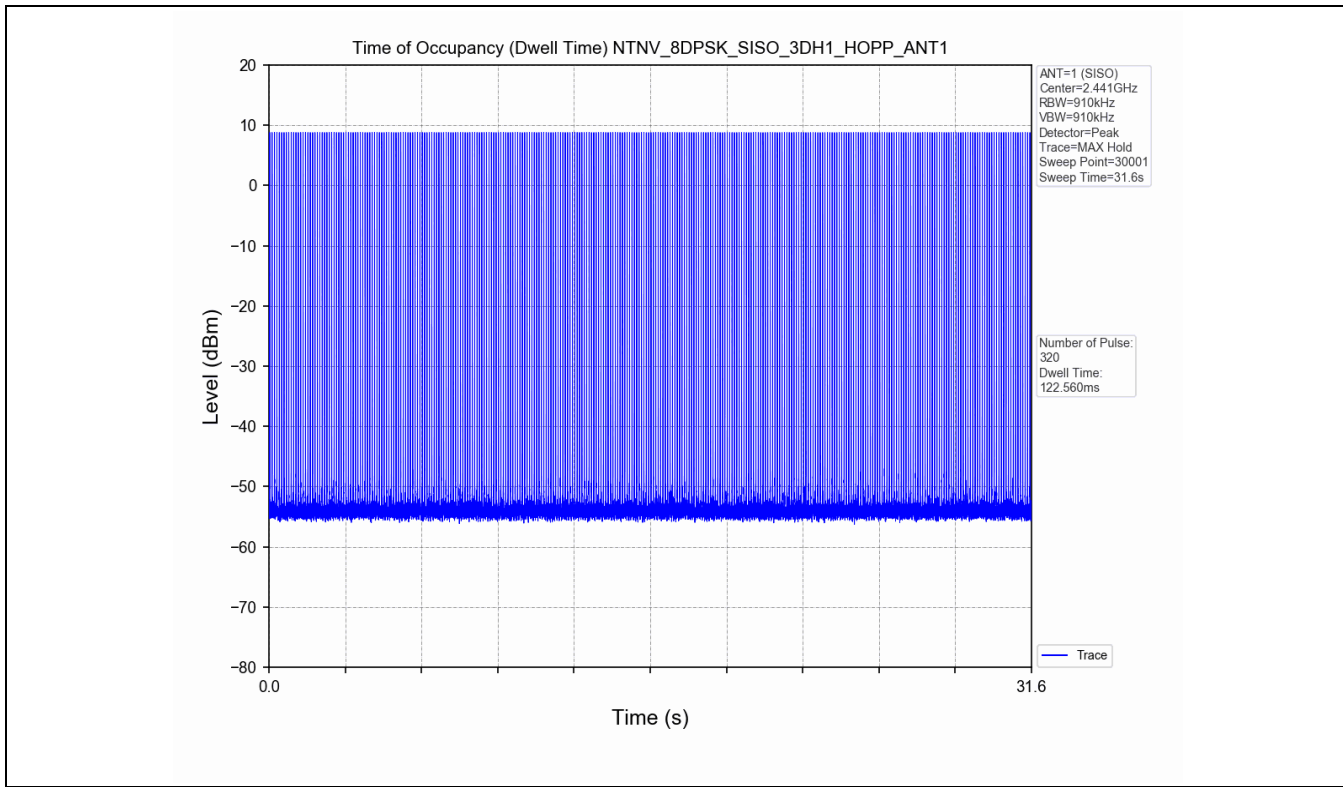
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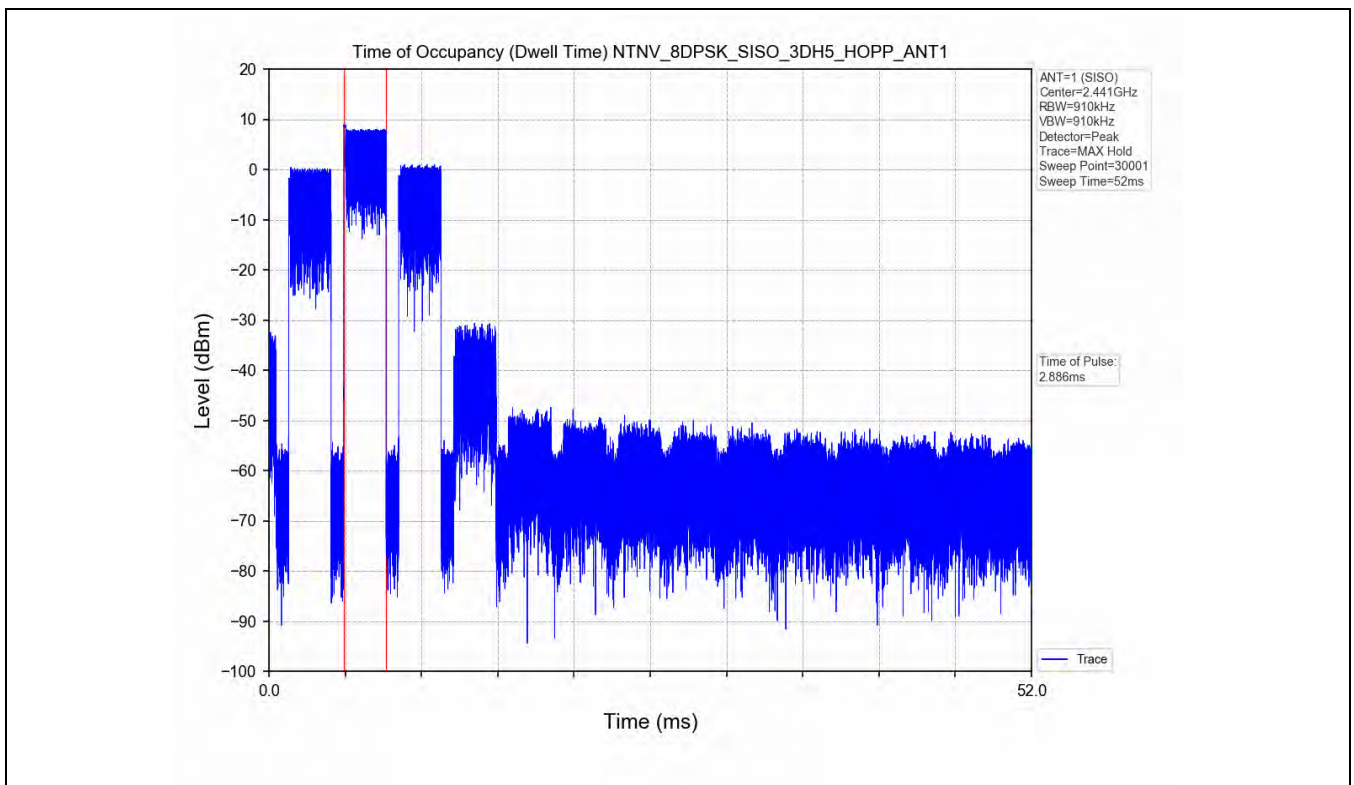
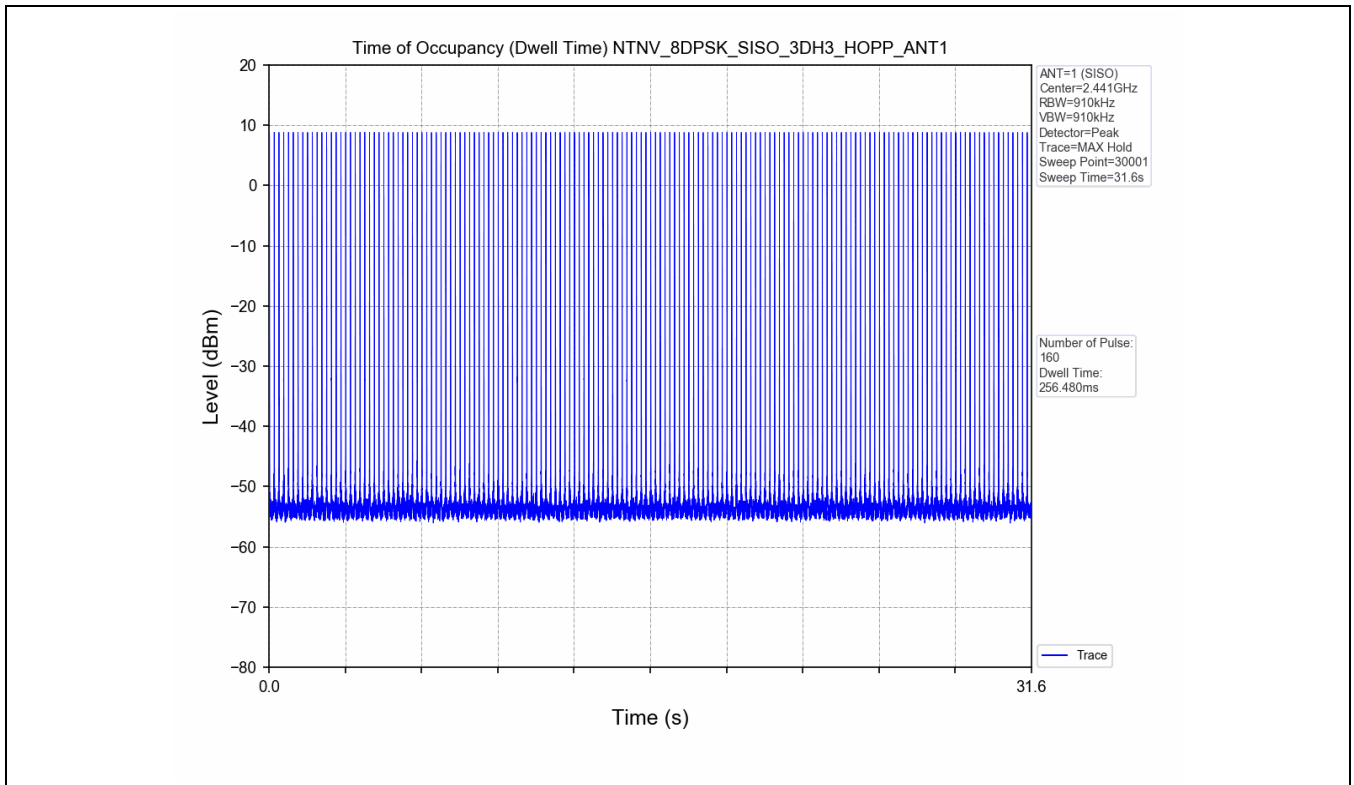


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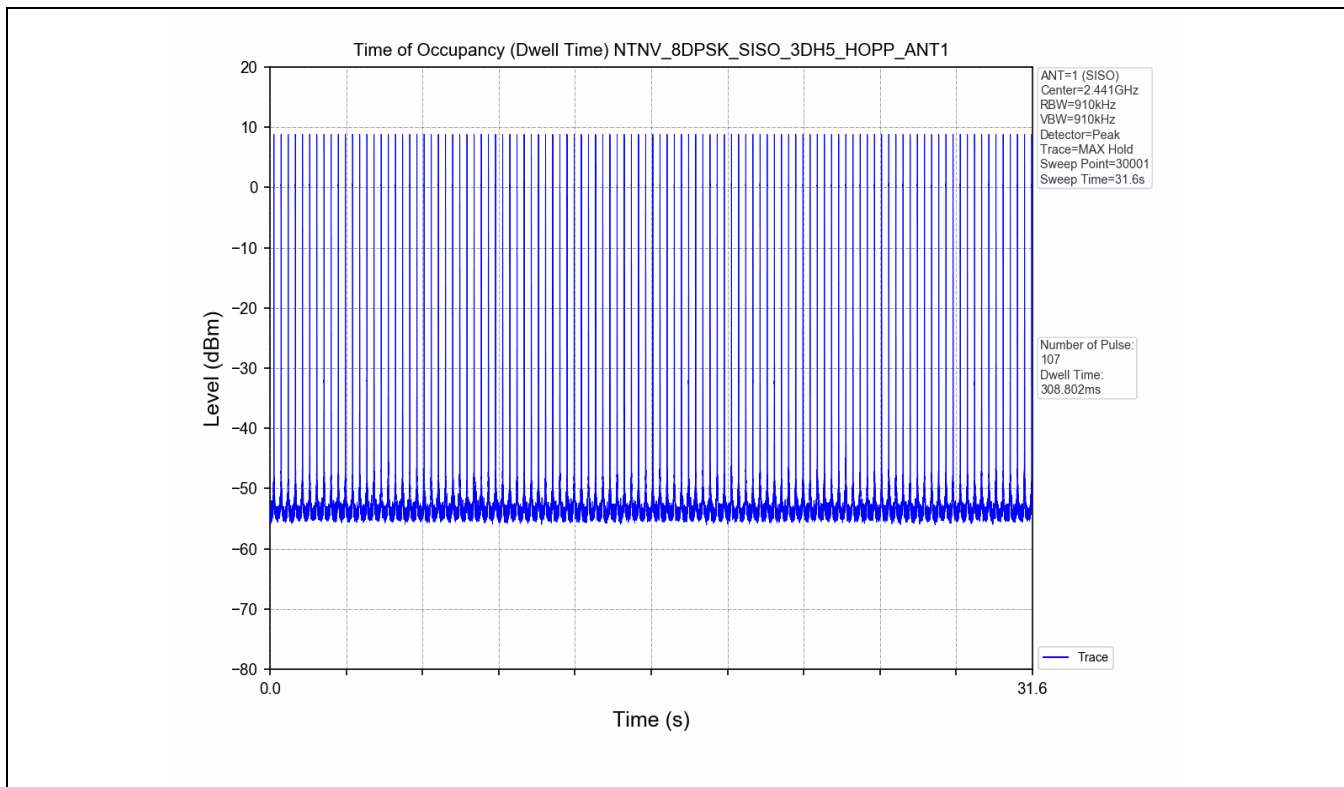


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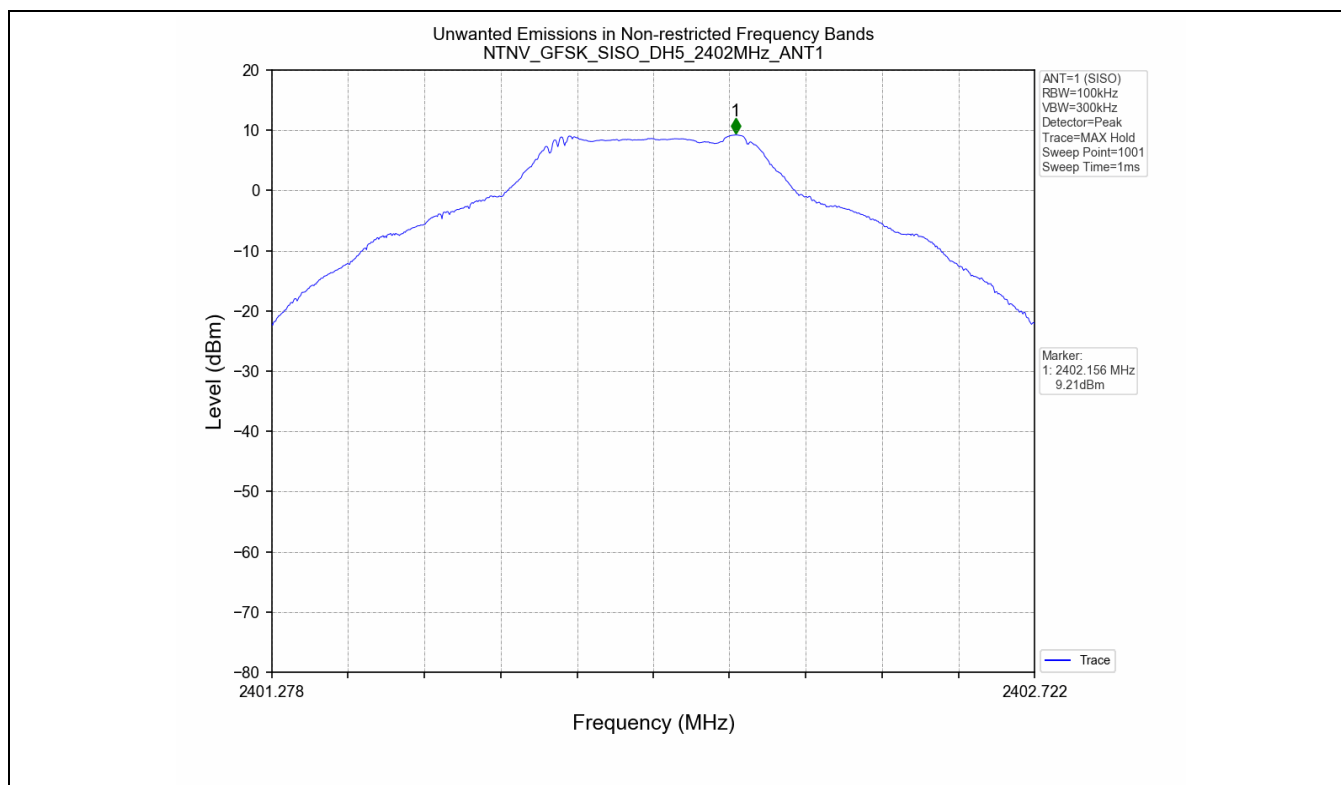
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## 6. Unwanted Emissions in Non-restricted Frequency Bands

### 6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
GFSK	2402	SISO	1	Refer to test graph	-10.79	PASS
	2441	SISO	1	Refer to test graph	-10.79	PASS
	2480	SISO	1	Refer to test graph	-10.79	PASS
	Hopping	SISO	1	Refer to test graph	-10.79	PASS
Pi/4DQPSK	2402	SISO	1	Refer to test graph	-10.71	PASS
	2441	SISO	1	Refer to test graph	-10.71	PASS
	2480	SISO	1	Refer to test graph	-10.71	PASS
	Hopping	SISO	1	Refer to test graph	-10.71	PASS
8DPSK	2402	SISO	1	Refer to test graph	-10.70	PASS
	2441	SISO	1	Refer to test graph	-10.70	PASS
	2480	SISO	1	Refer to test graph	-10.70	PASS
	Hopping	SISO	1	Refer to test graph	-10.70	PASS

### 6.2 Test Graph

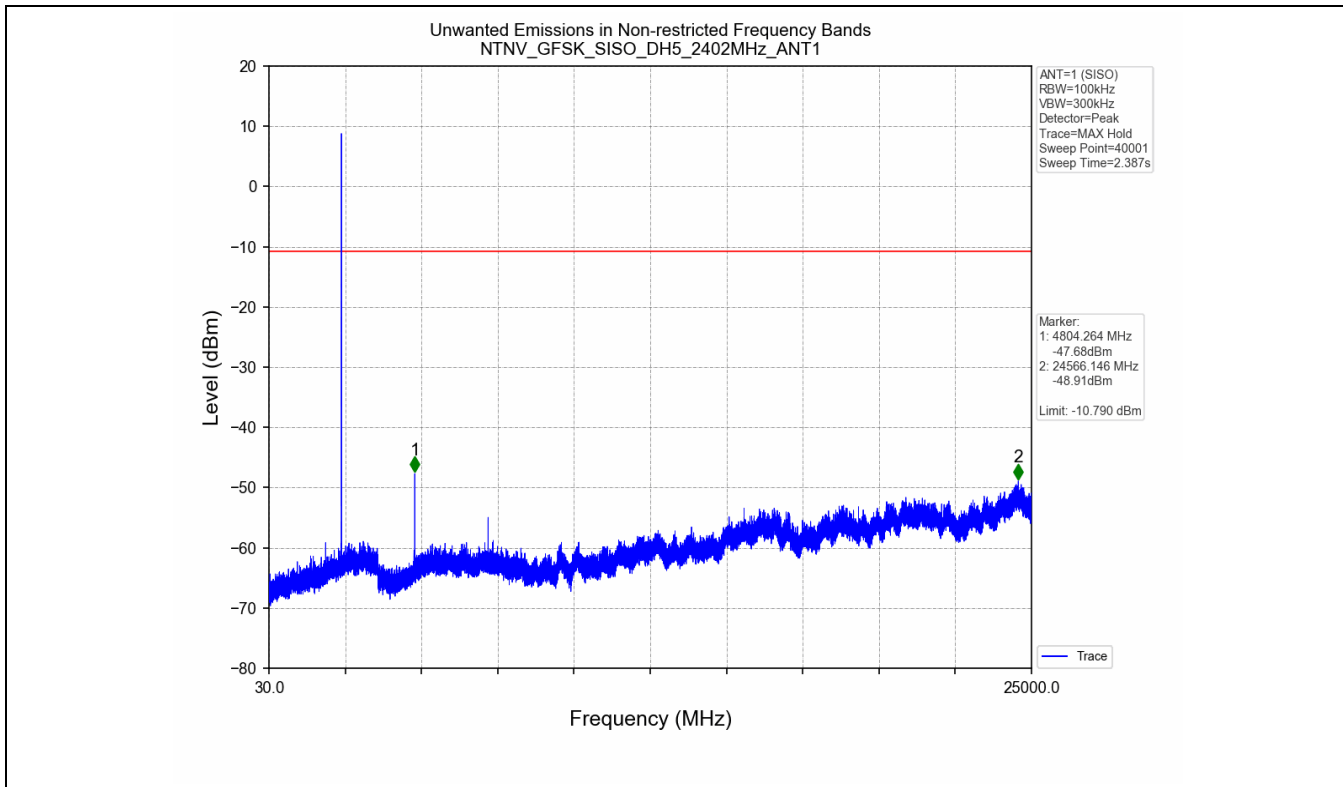
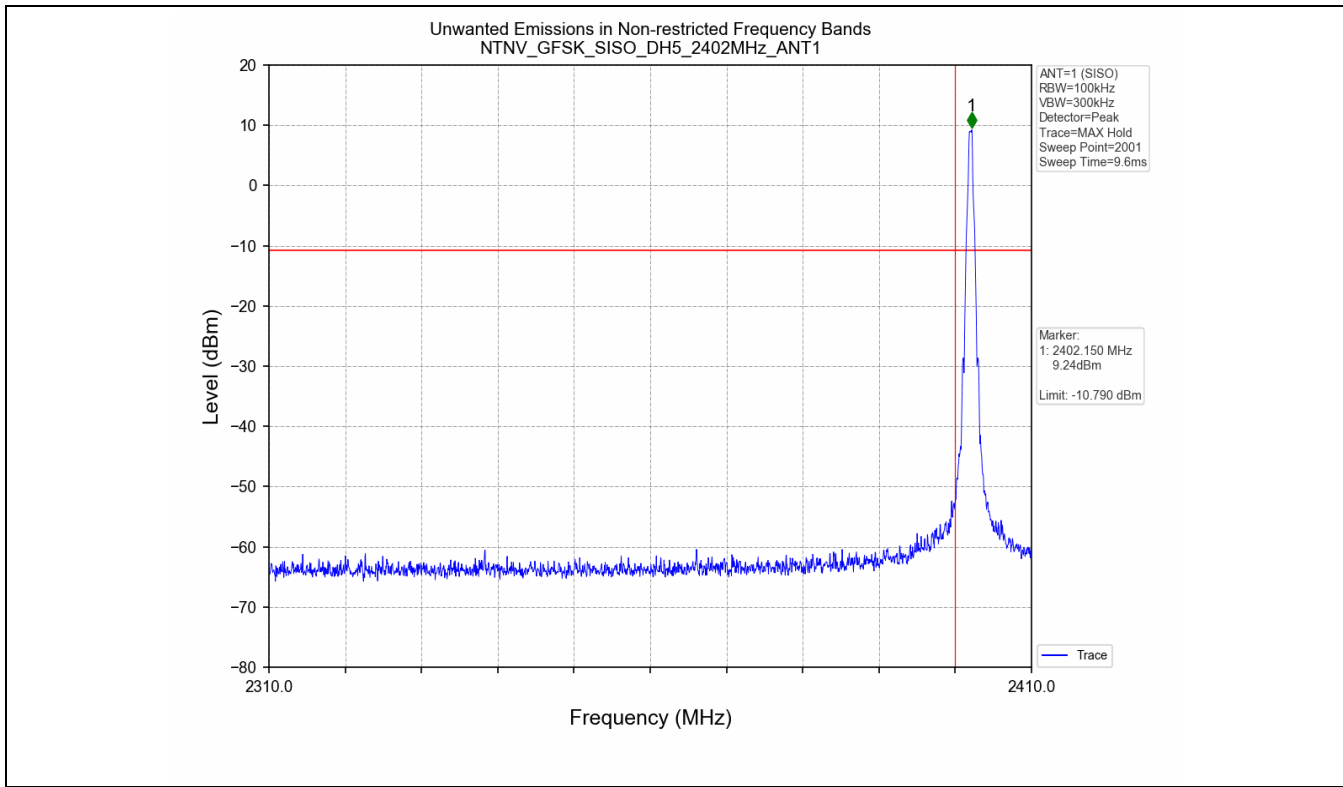


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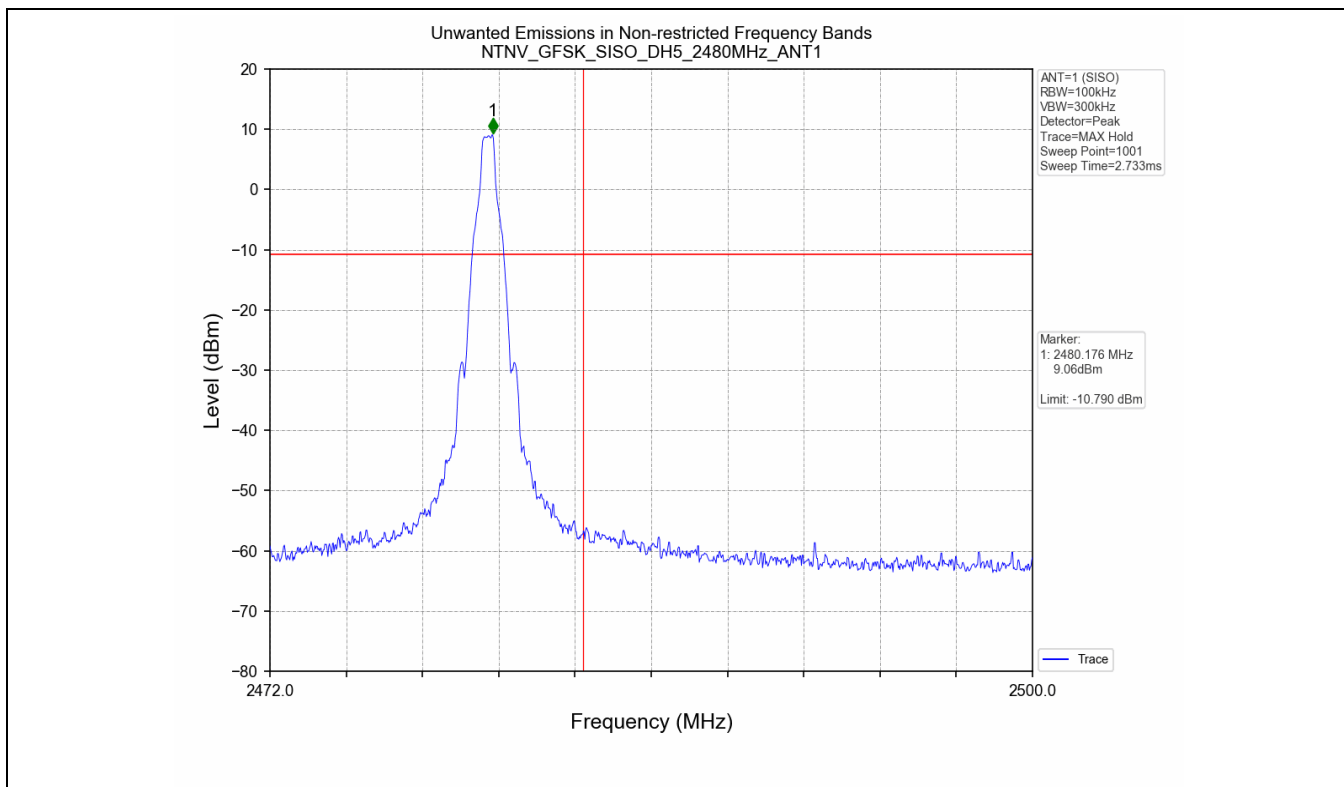
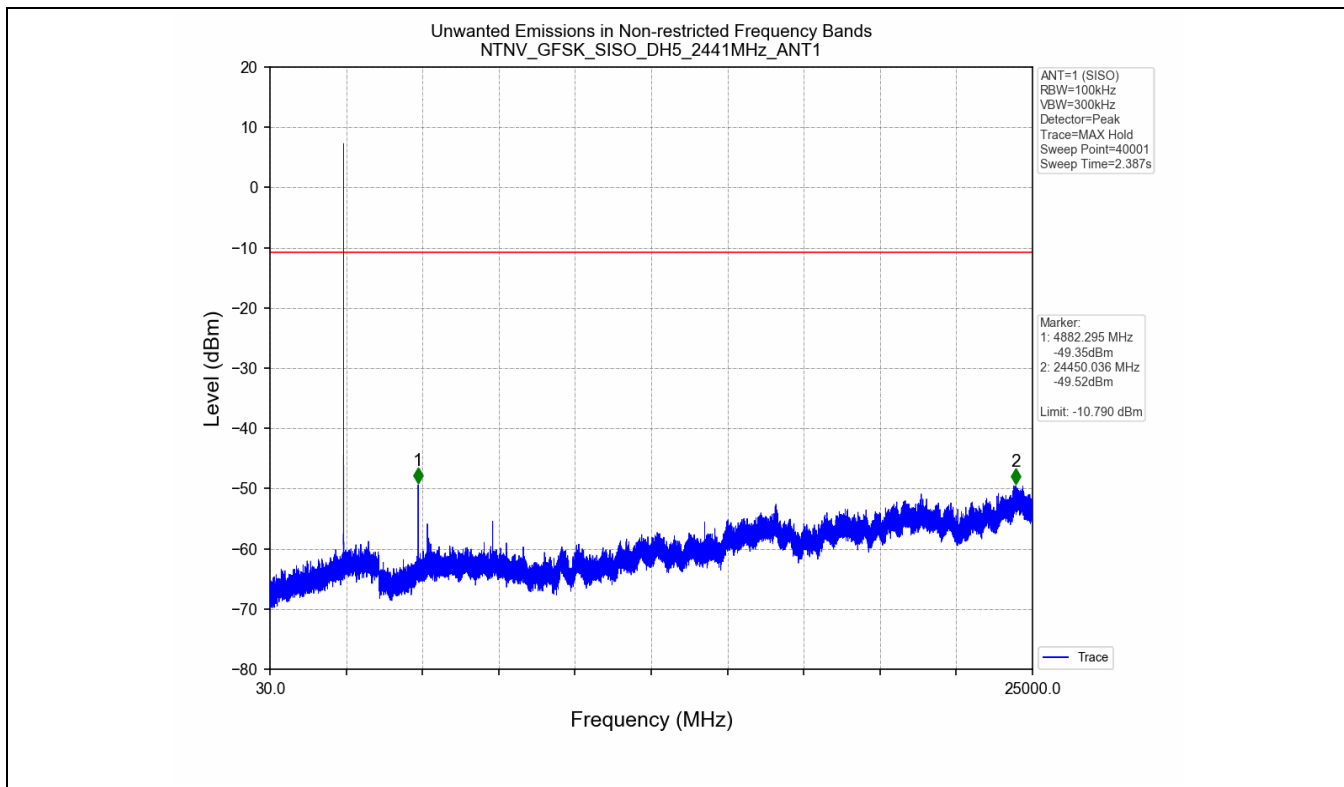
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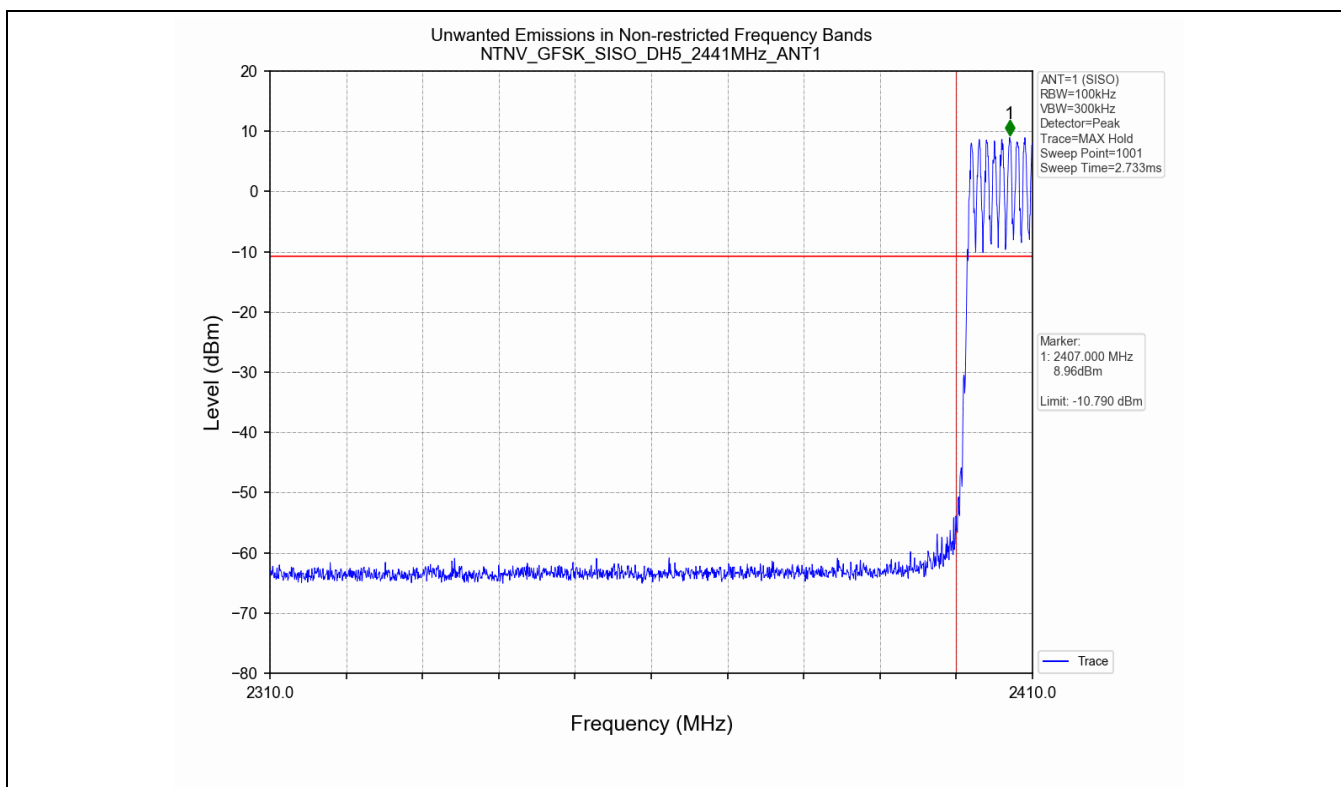
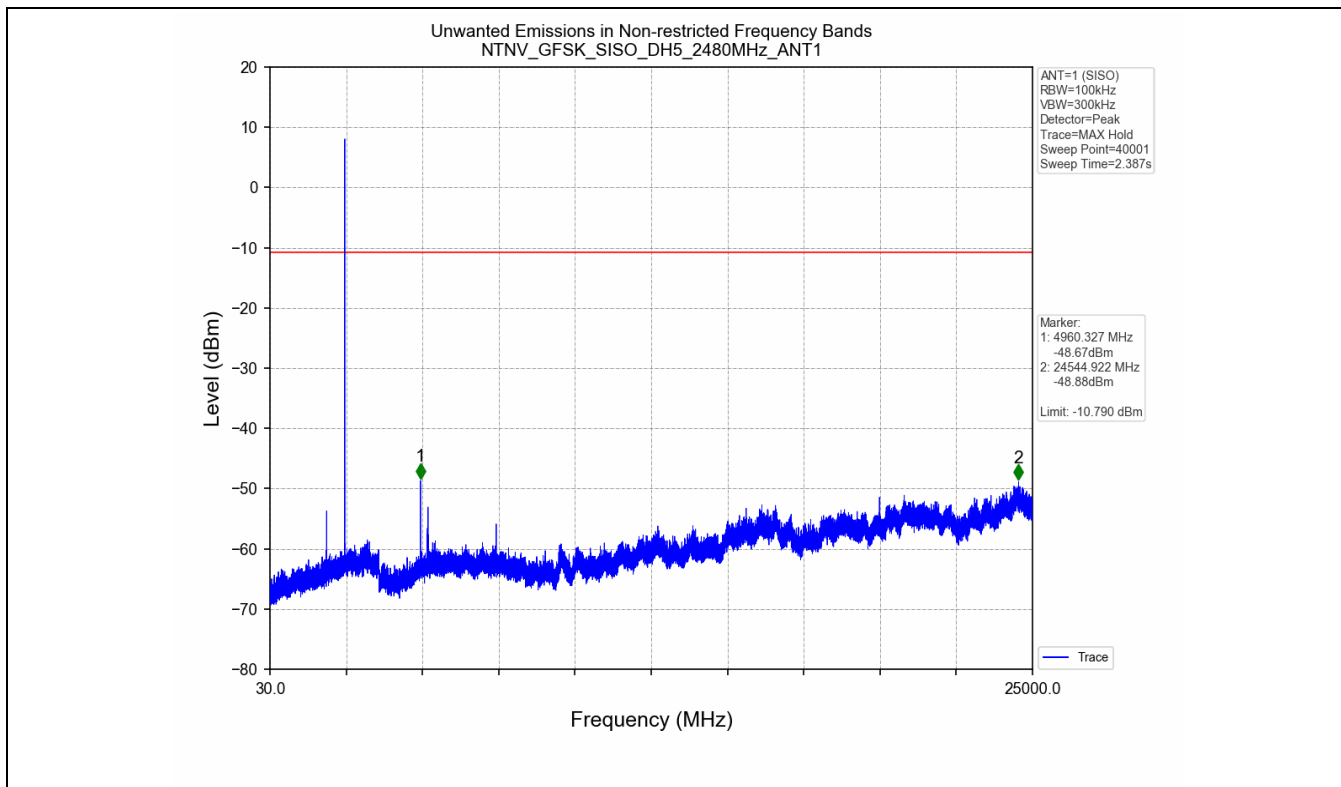
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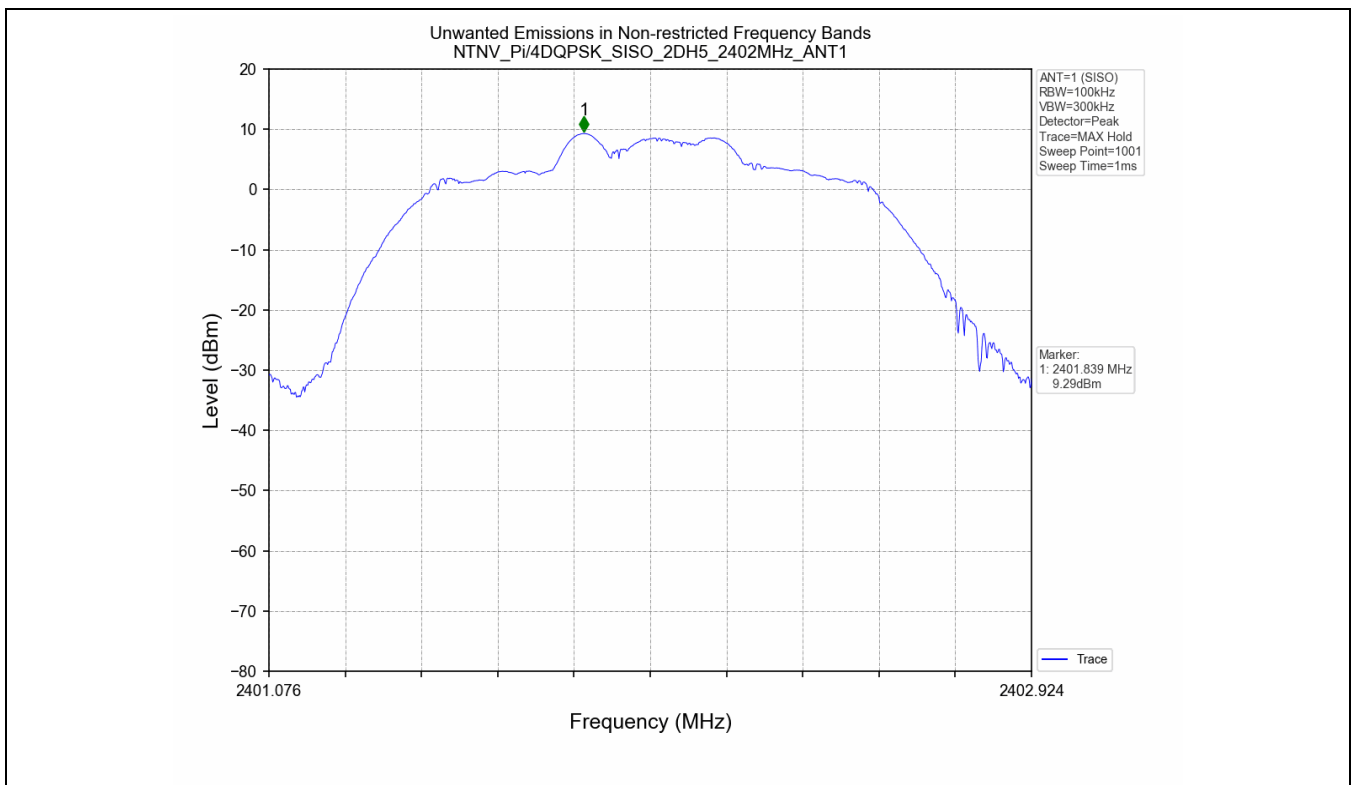
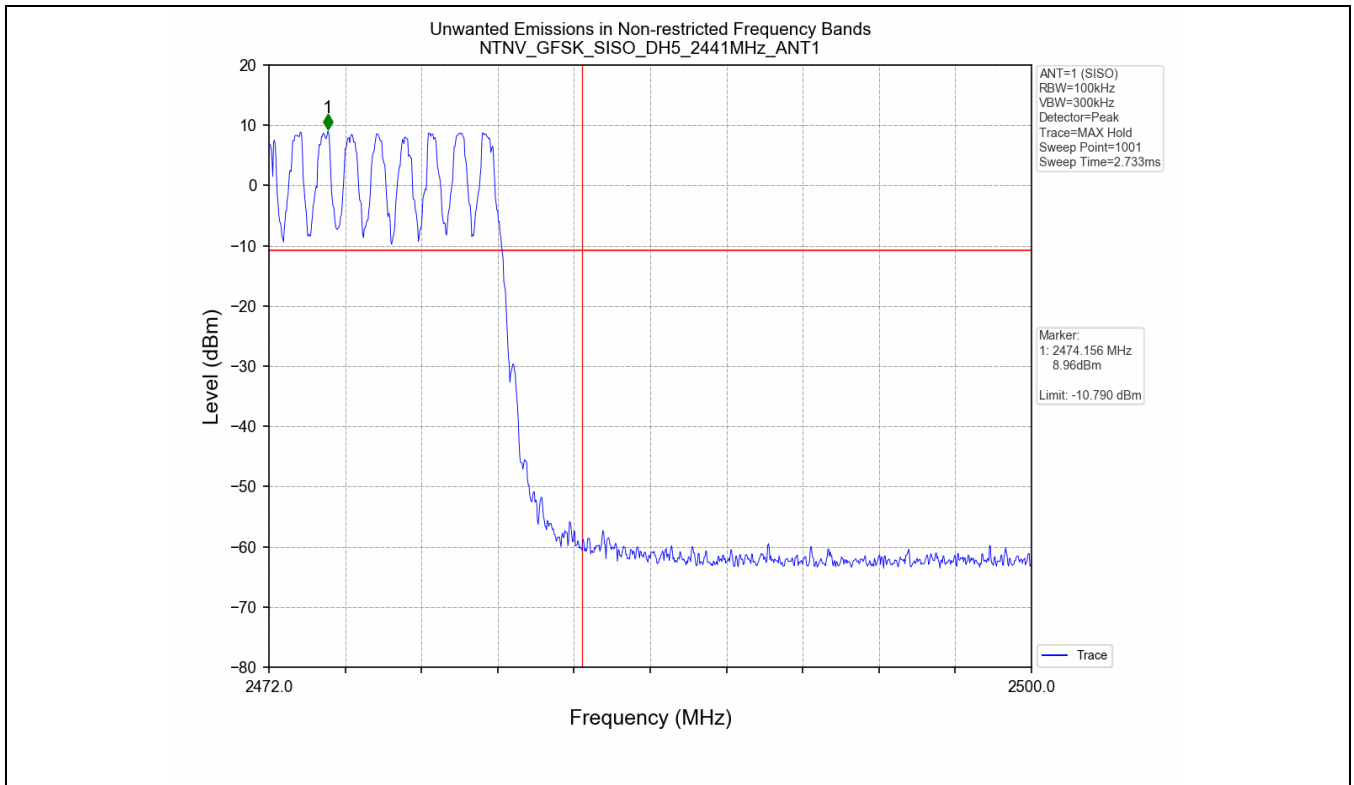
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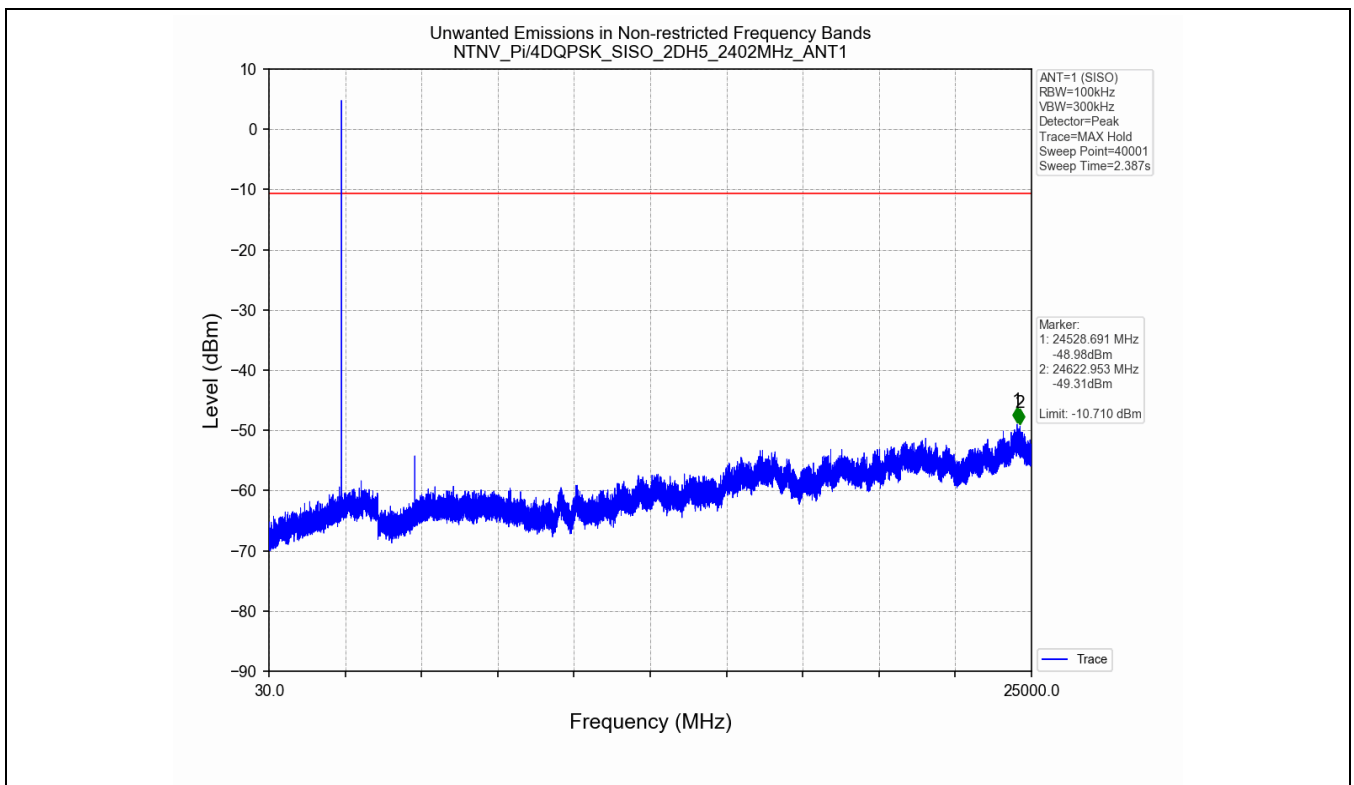
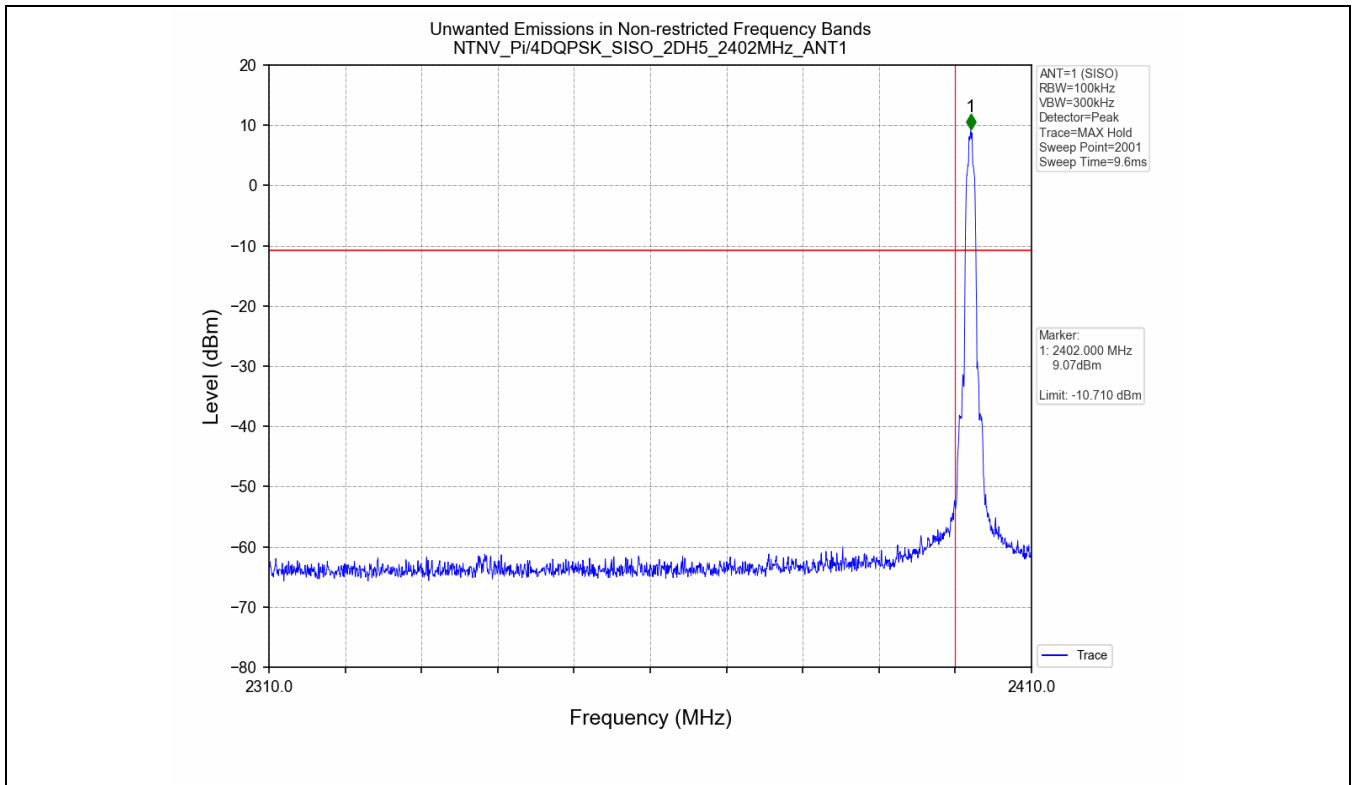
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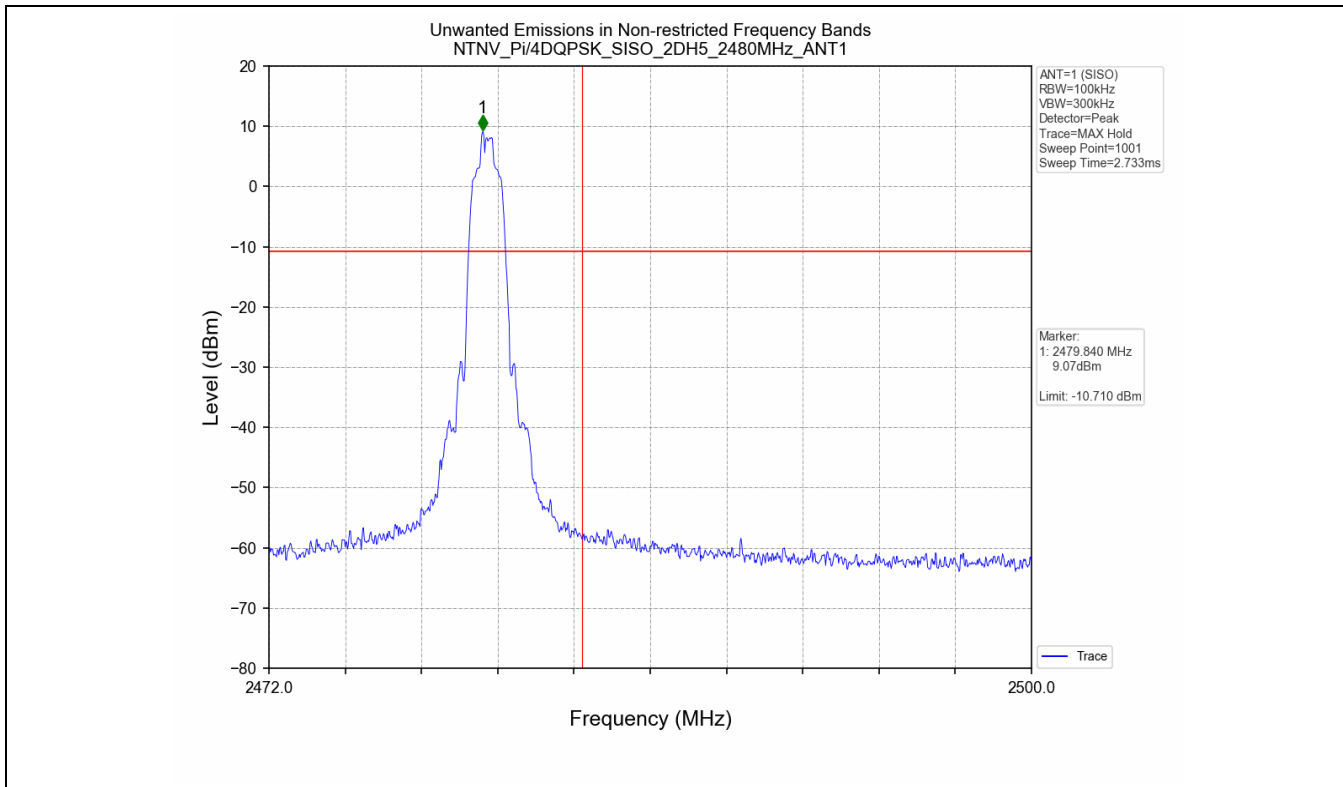
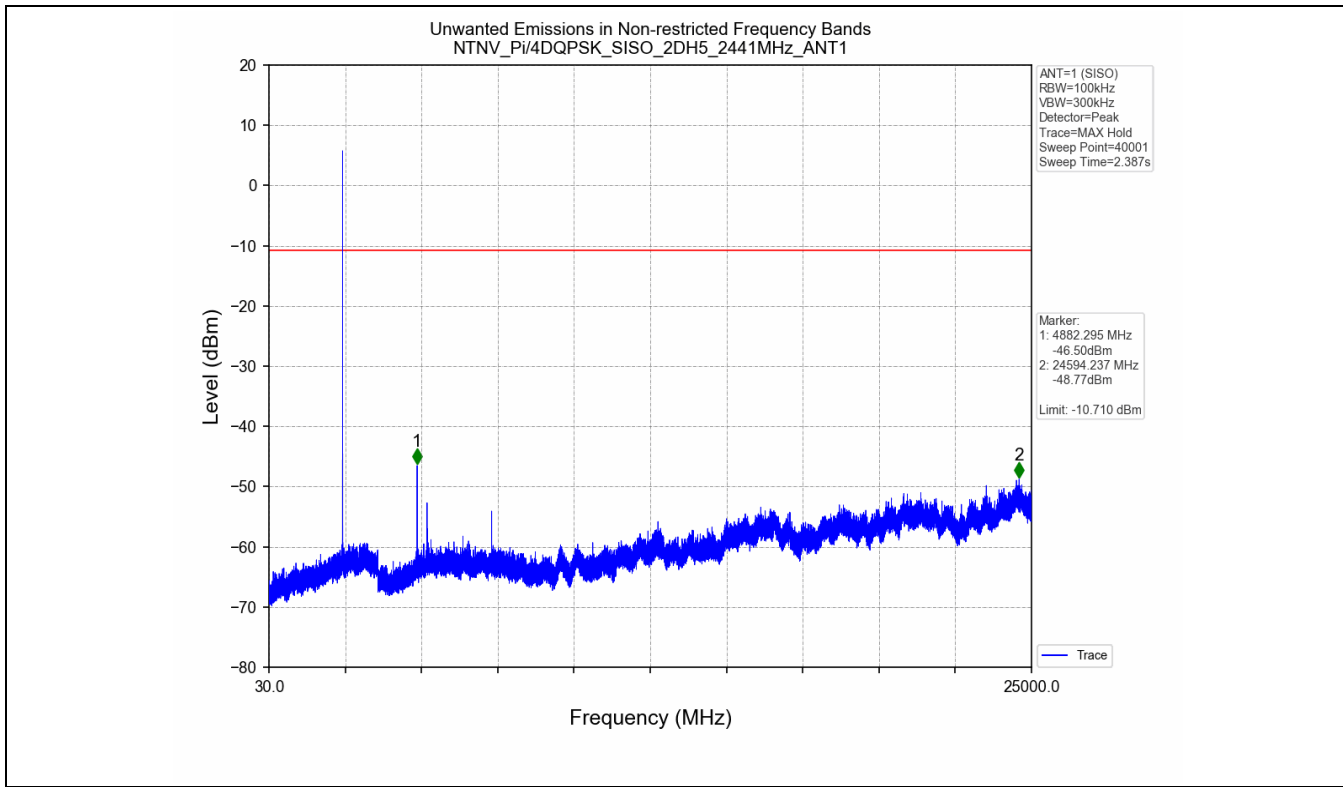
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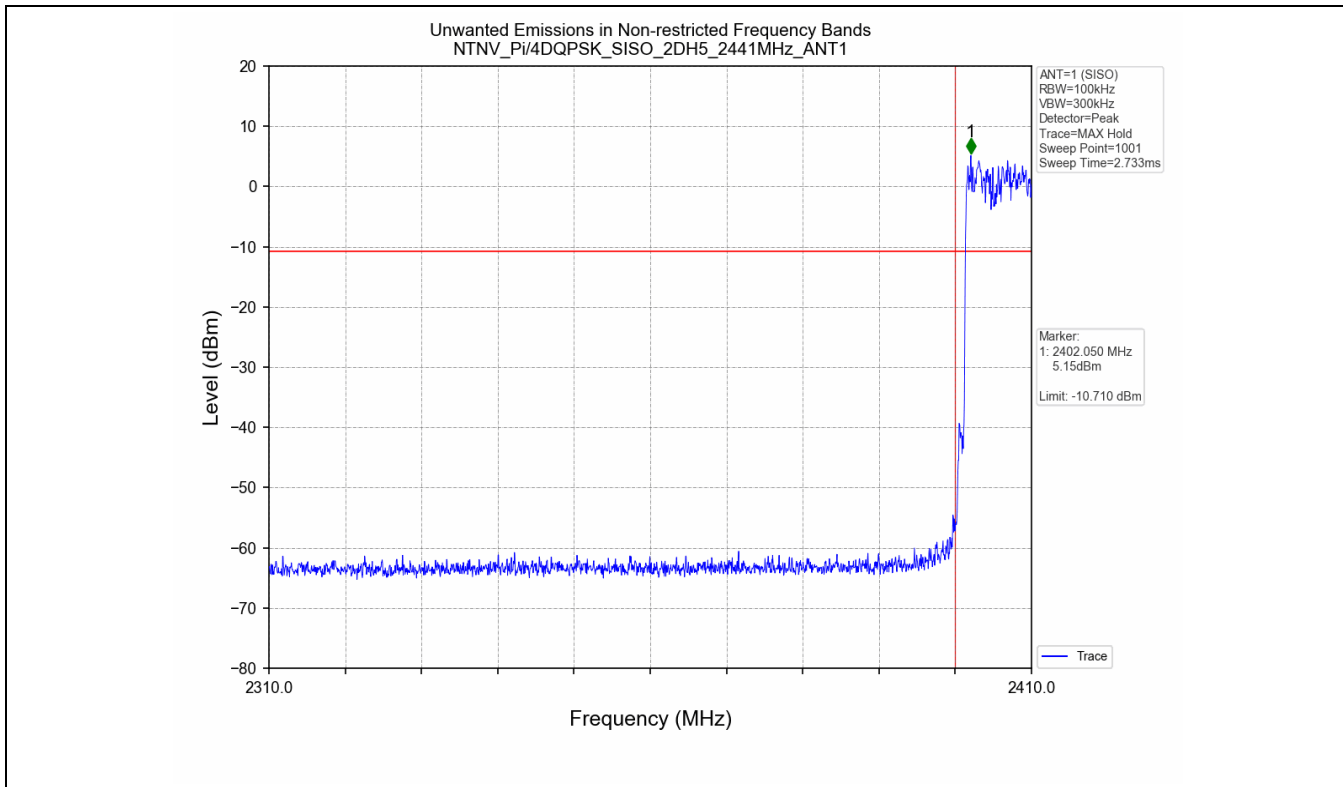
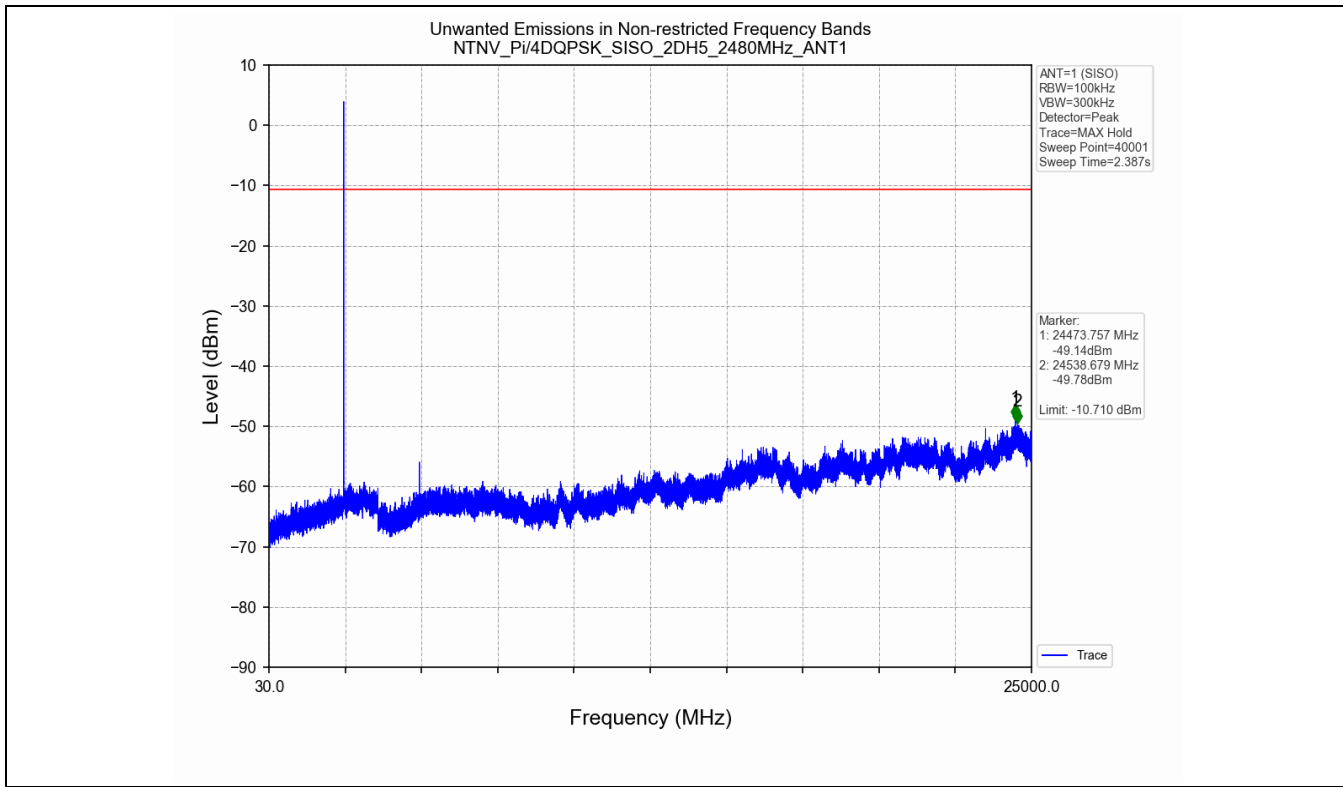
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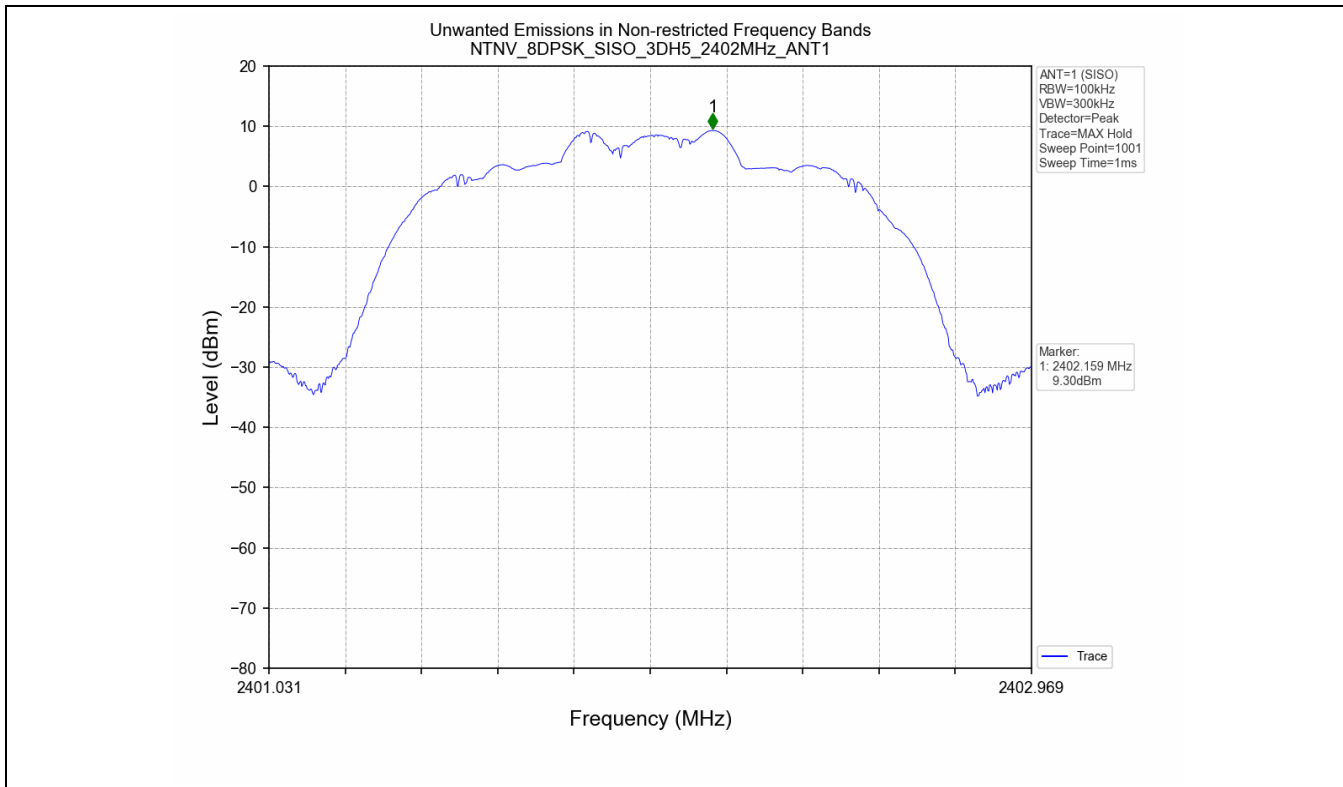
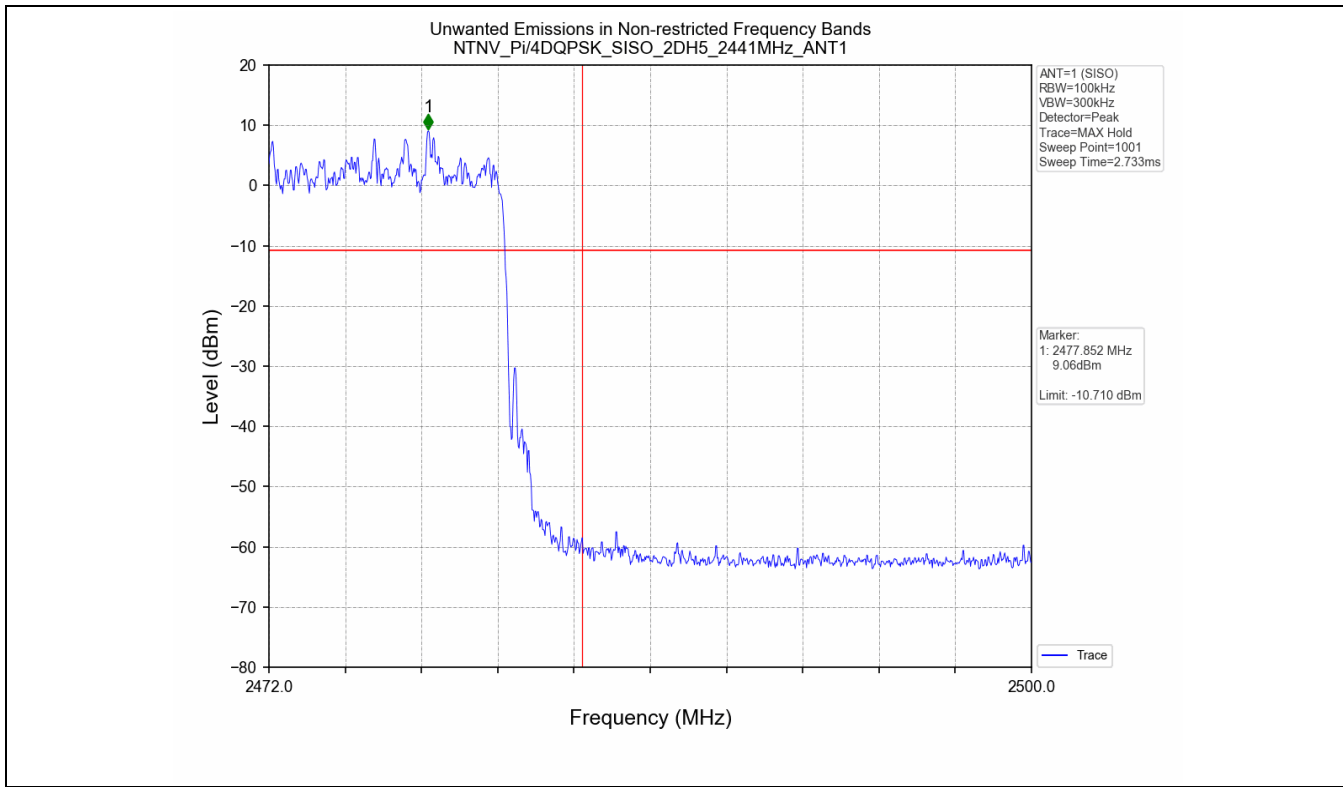
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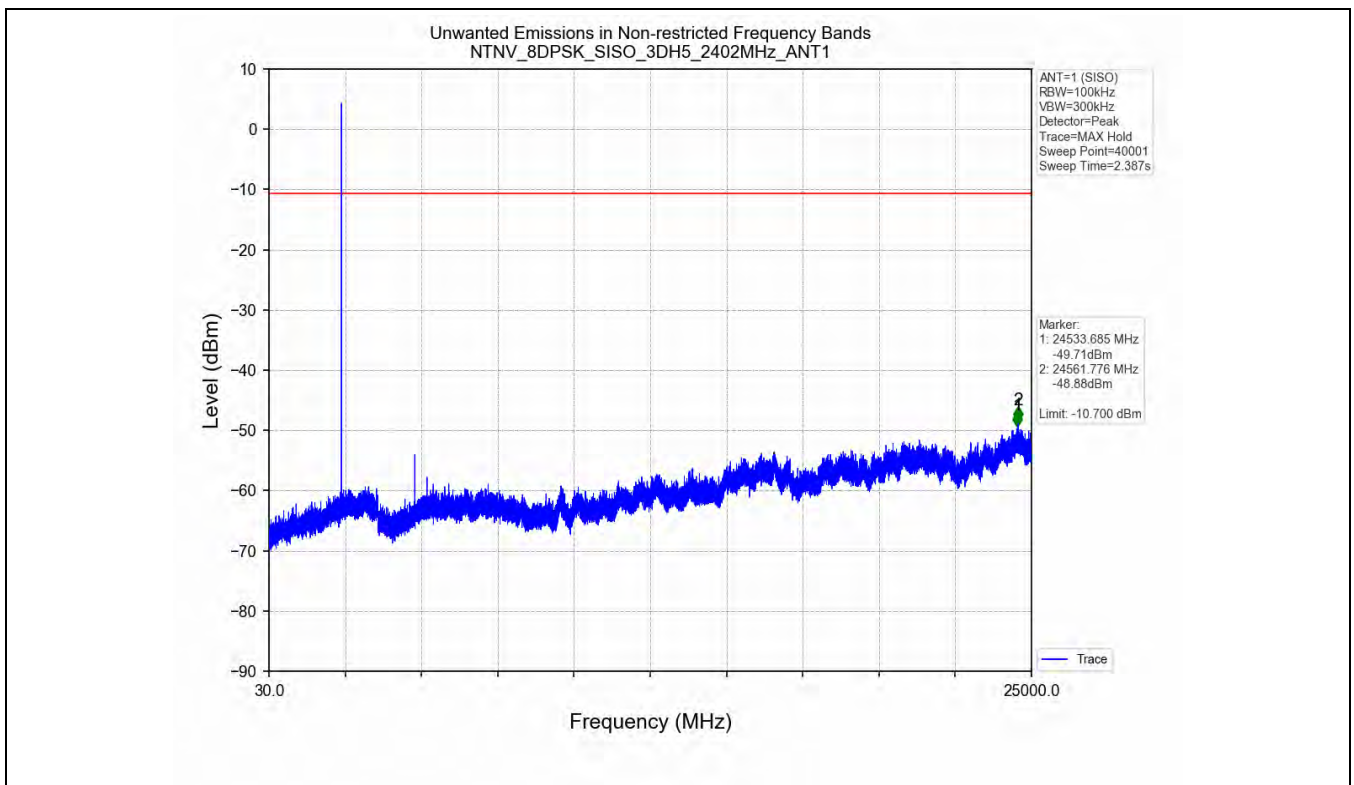
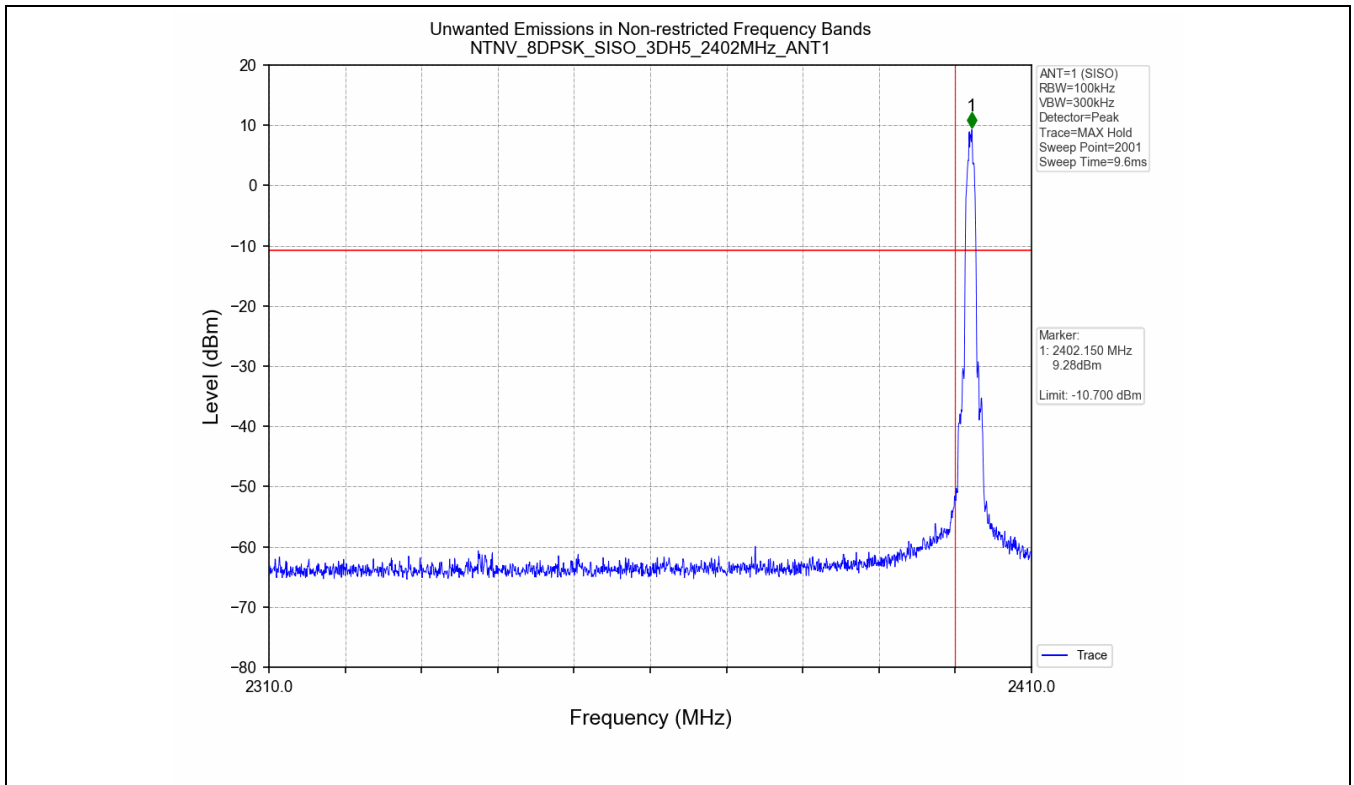
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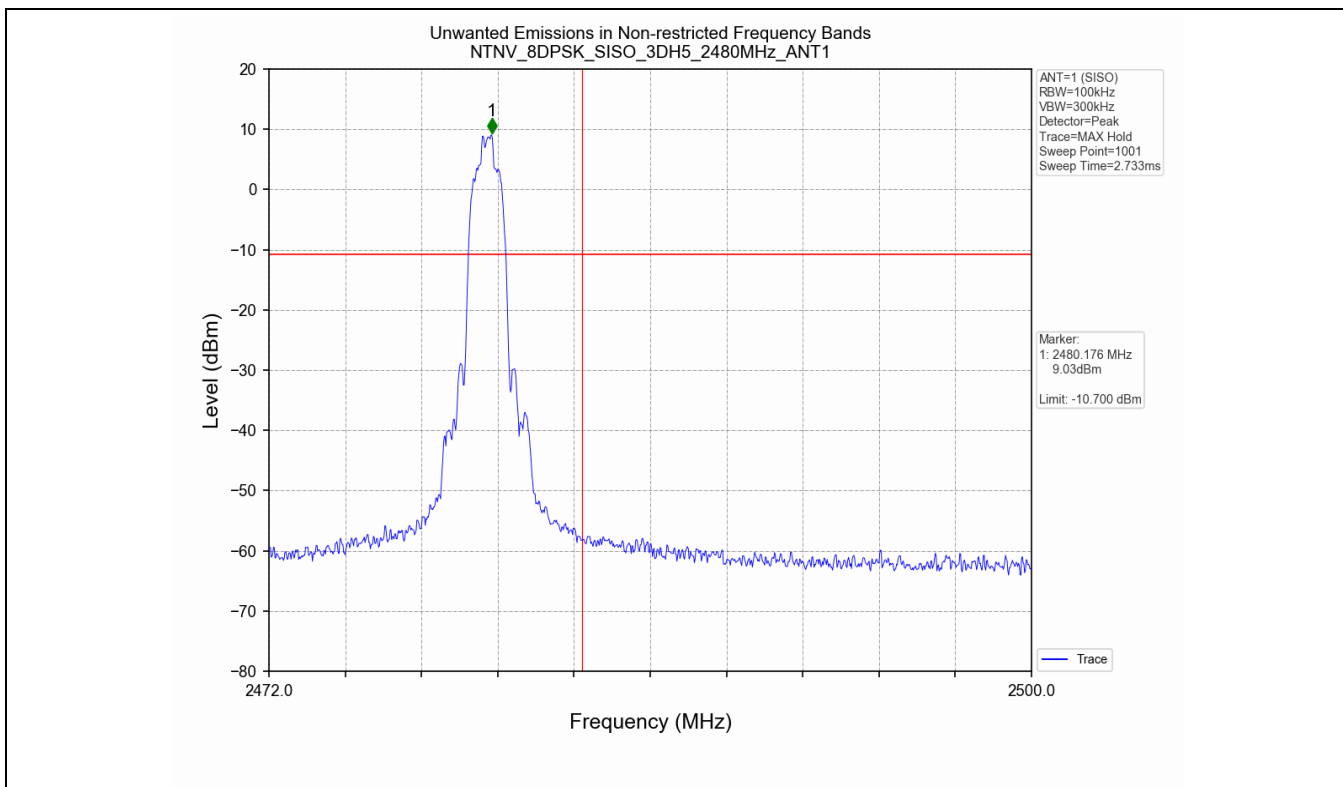
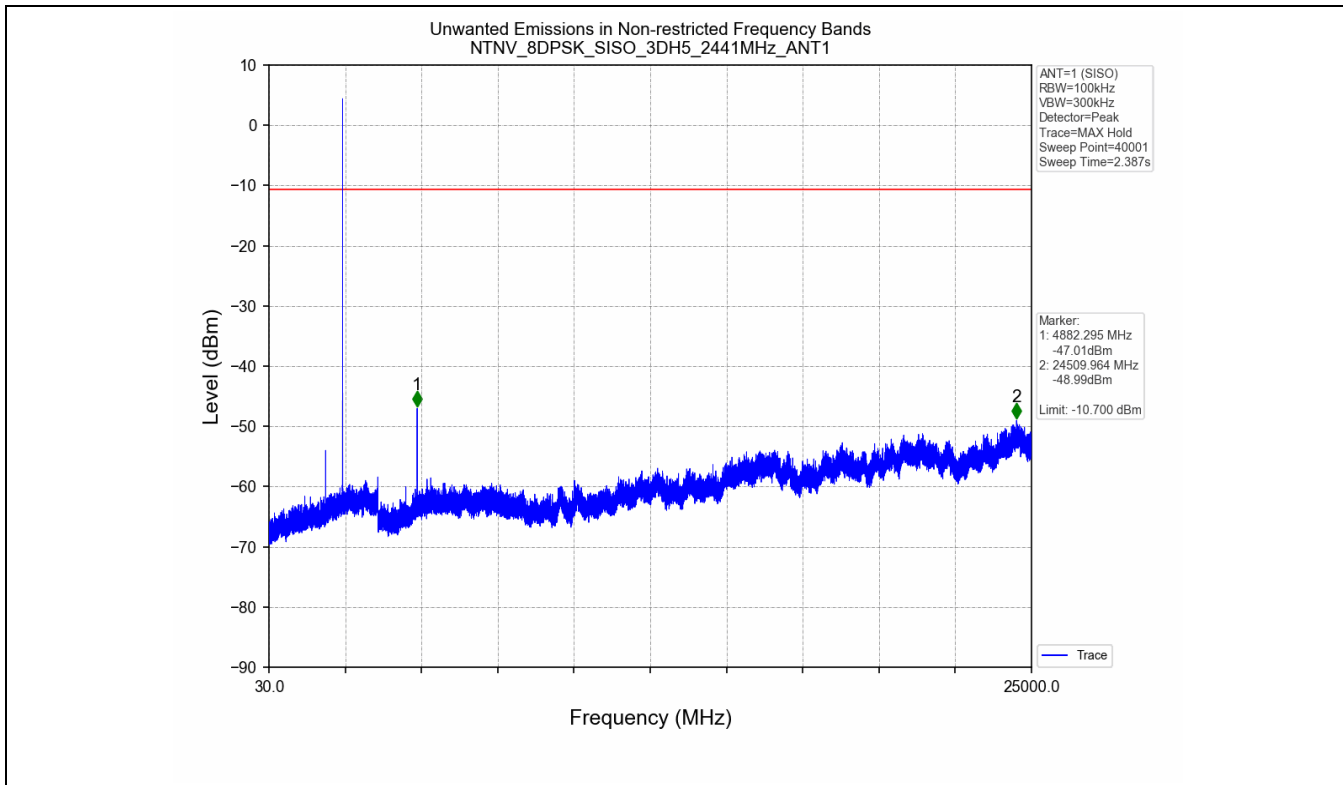
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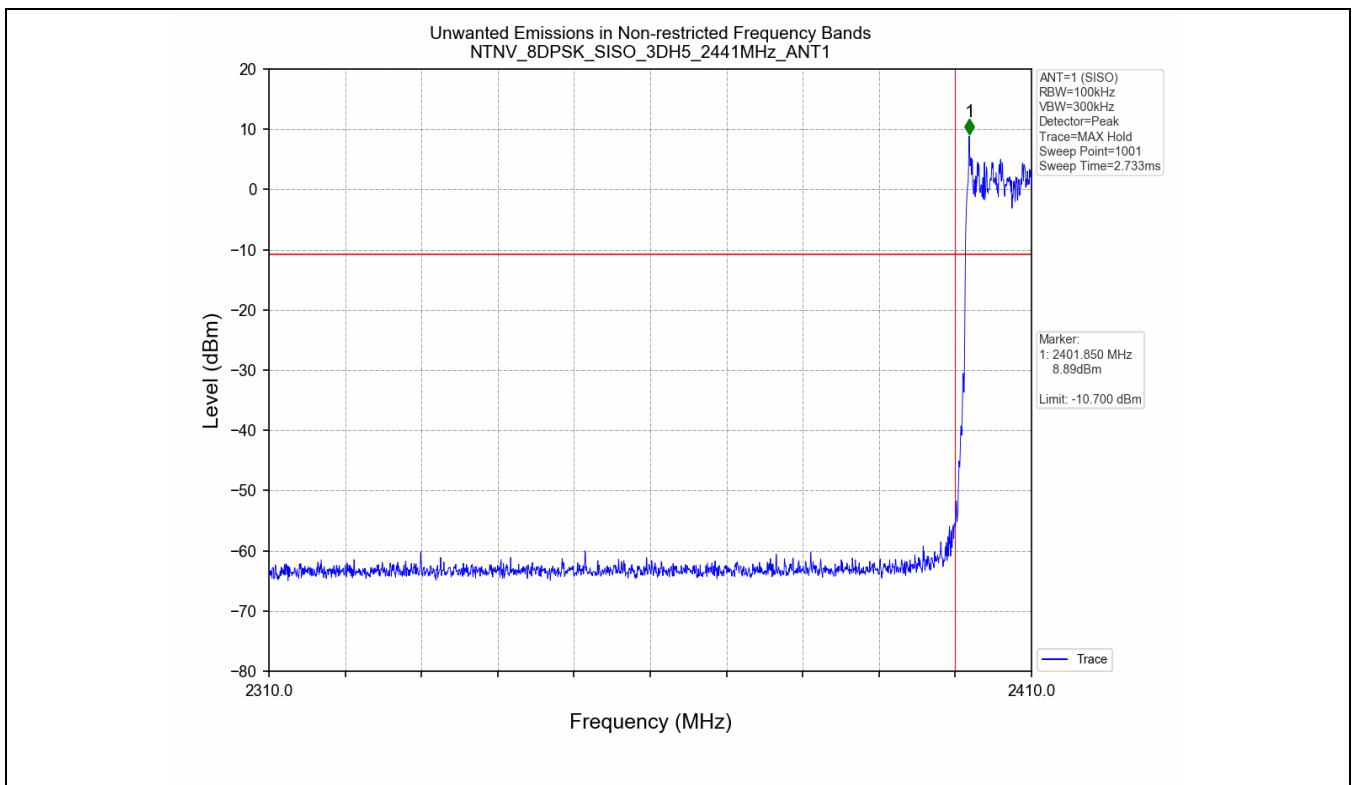
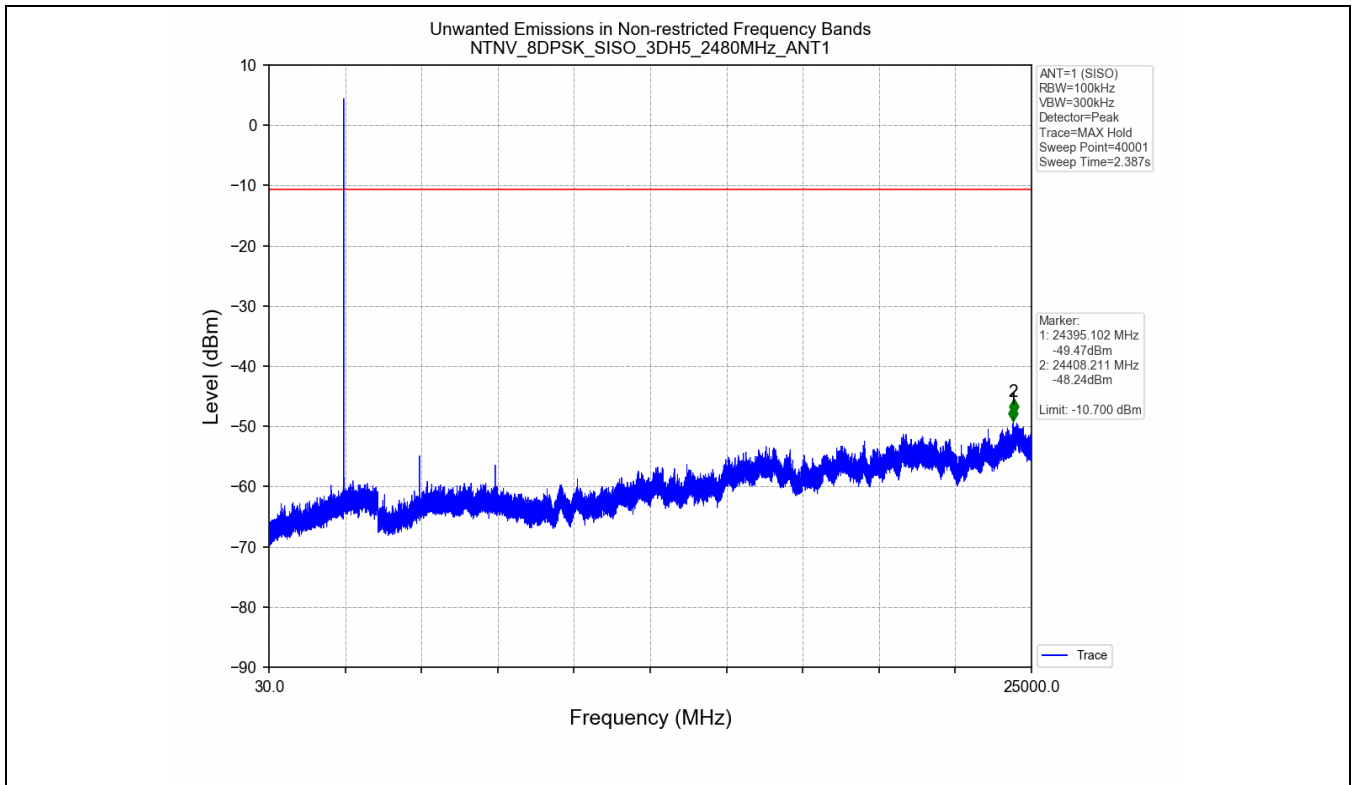
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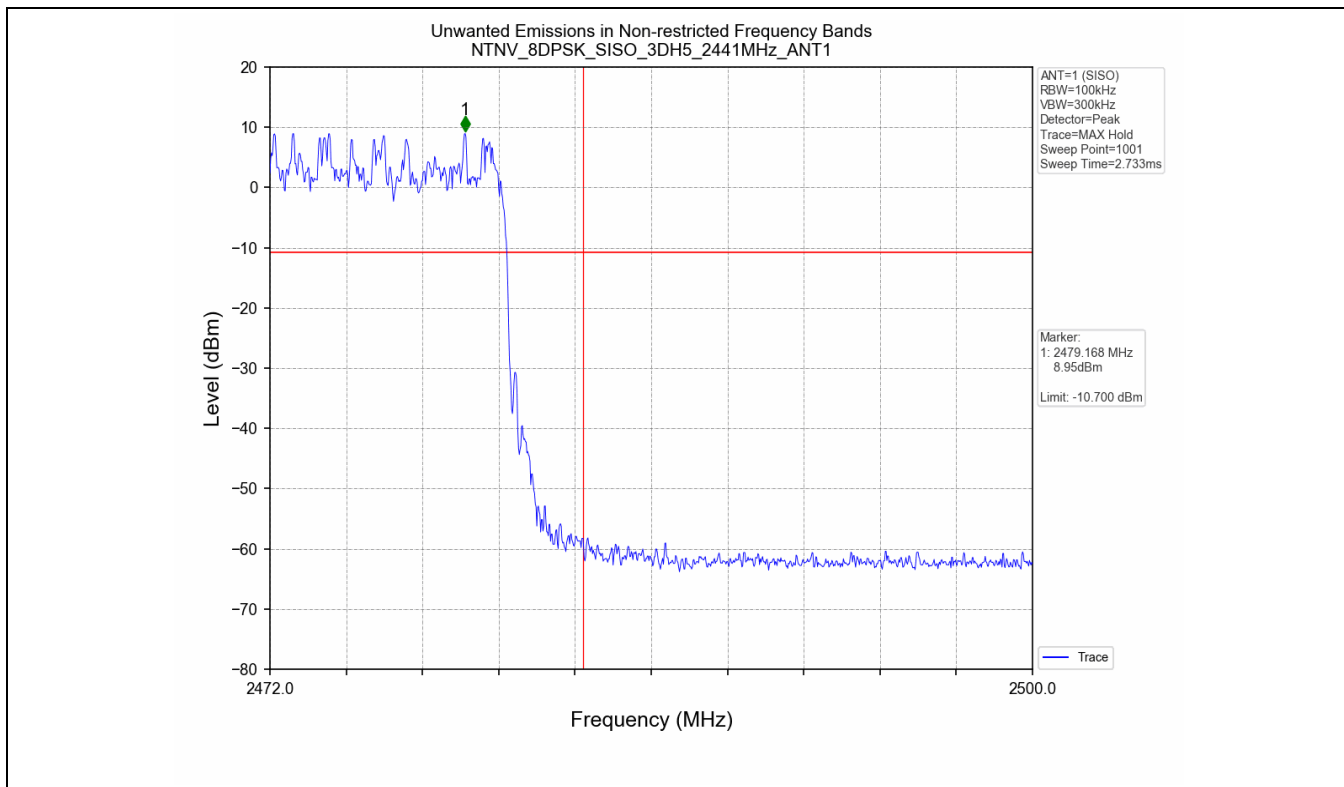
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