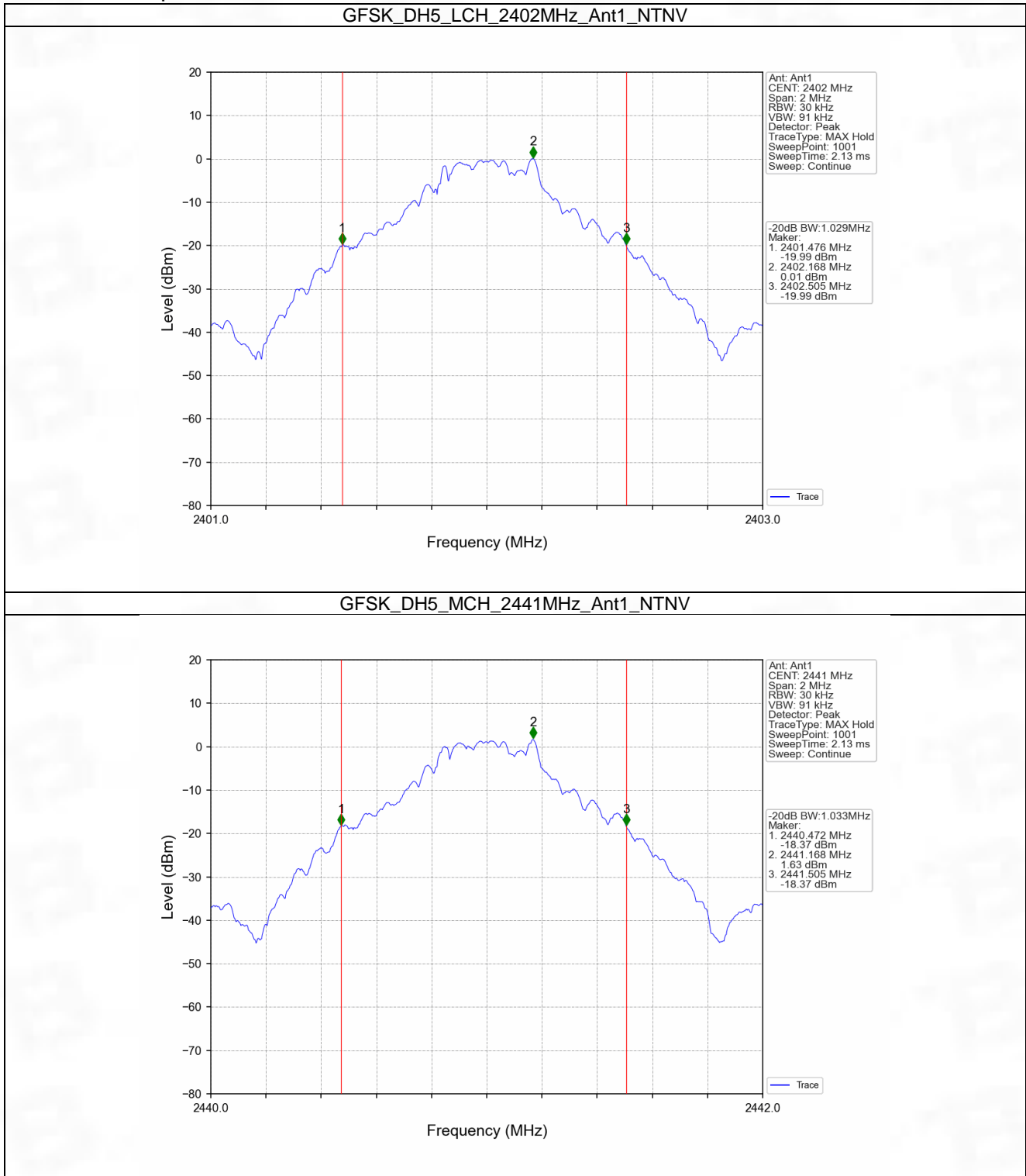


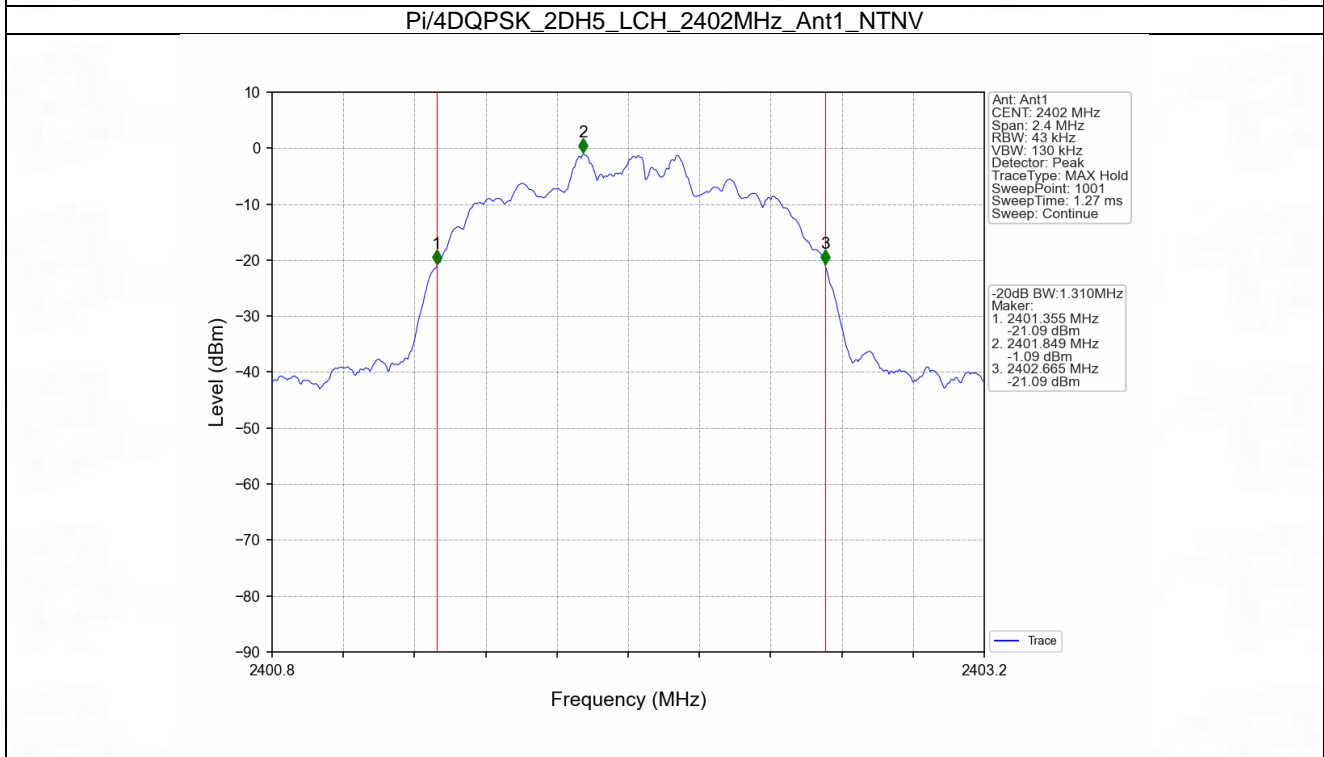
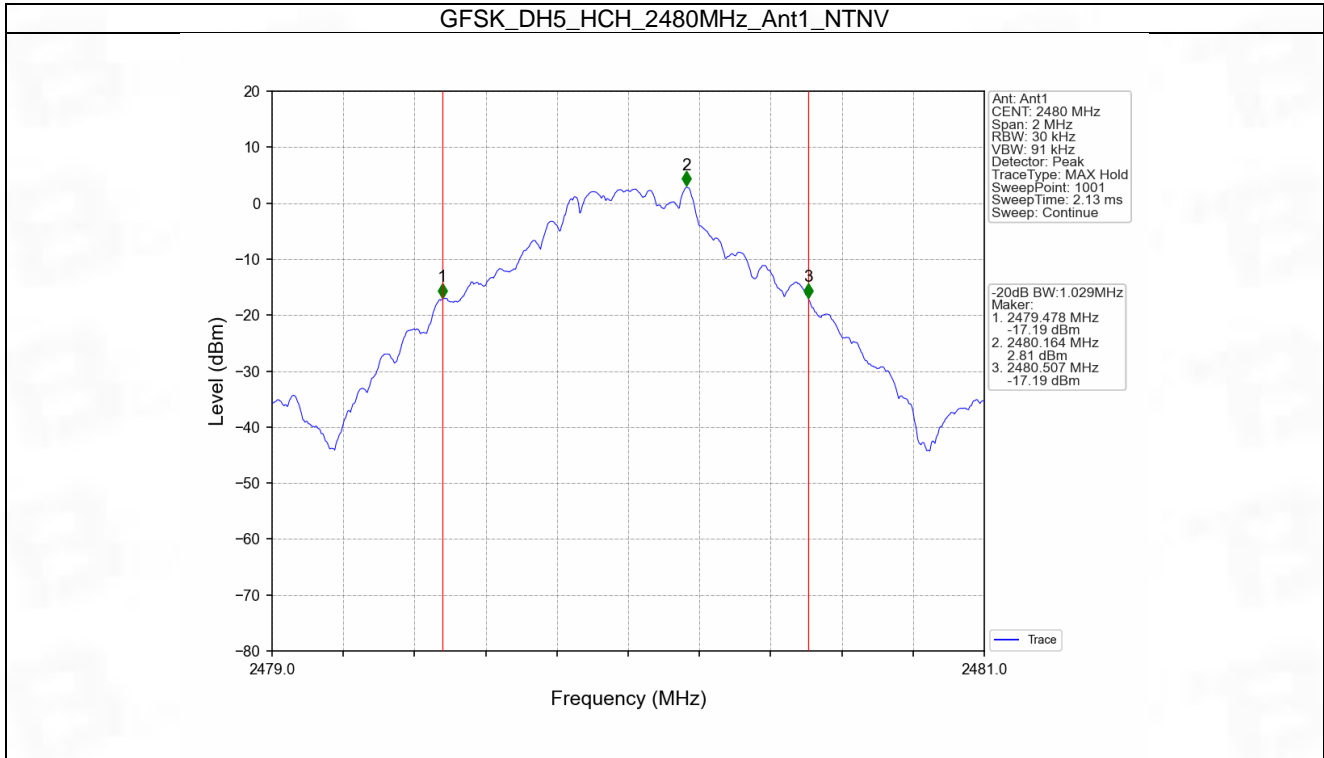
## 1.2 20dB BW

## 1.2.1 Test Result

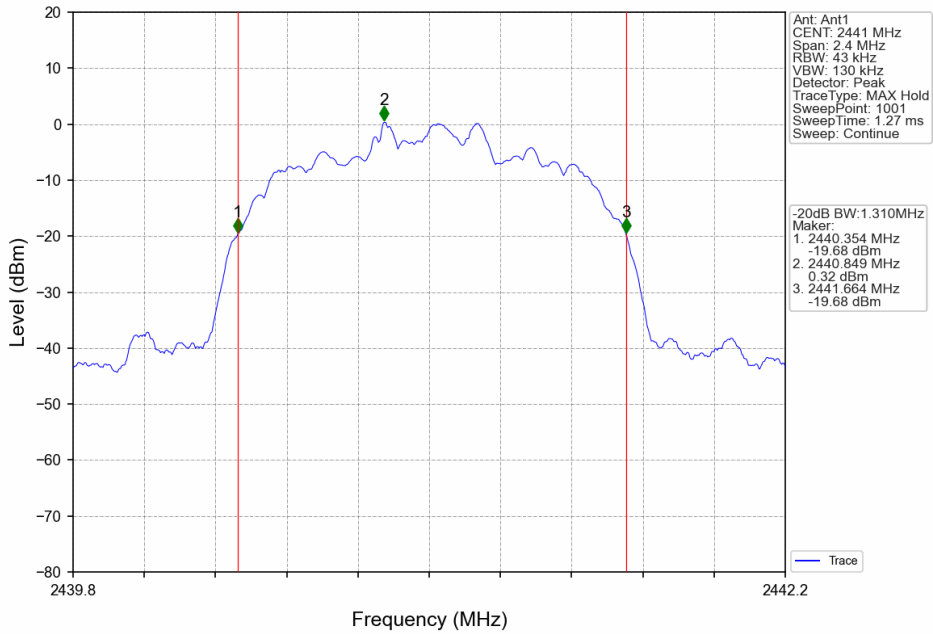
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	20dB Bandwidth (MHz)	Verdict
					Result	
GFSK	SISO	2402	DH5	1	1.029	Pass
		2441	DH5	1	1.033	Pass
		2480	DH5	1	1.029	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.310	Pass
		2441	2DH5	1	1.310	Pass
		2480	2DH5	1	1.307	Pass
8DPSK	SISO	2402	3DH5	1	1.315	Pass
		2441	3DH5	1	1.308	Pass
		2480	3DH5	1	1.310	Pass

### 1.2.2 Test Graph

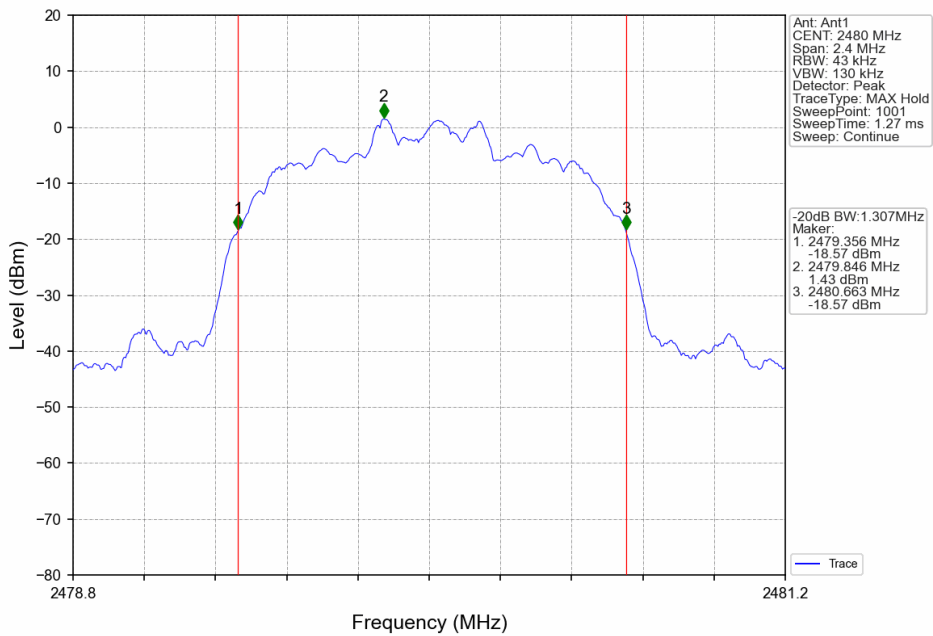


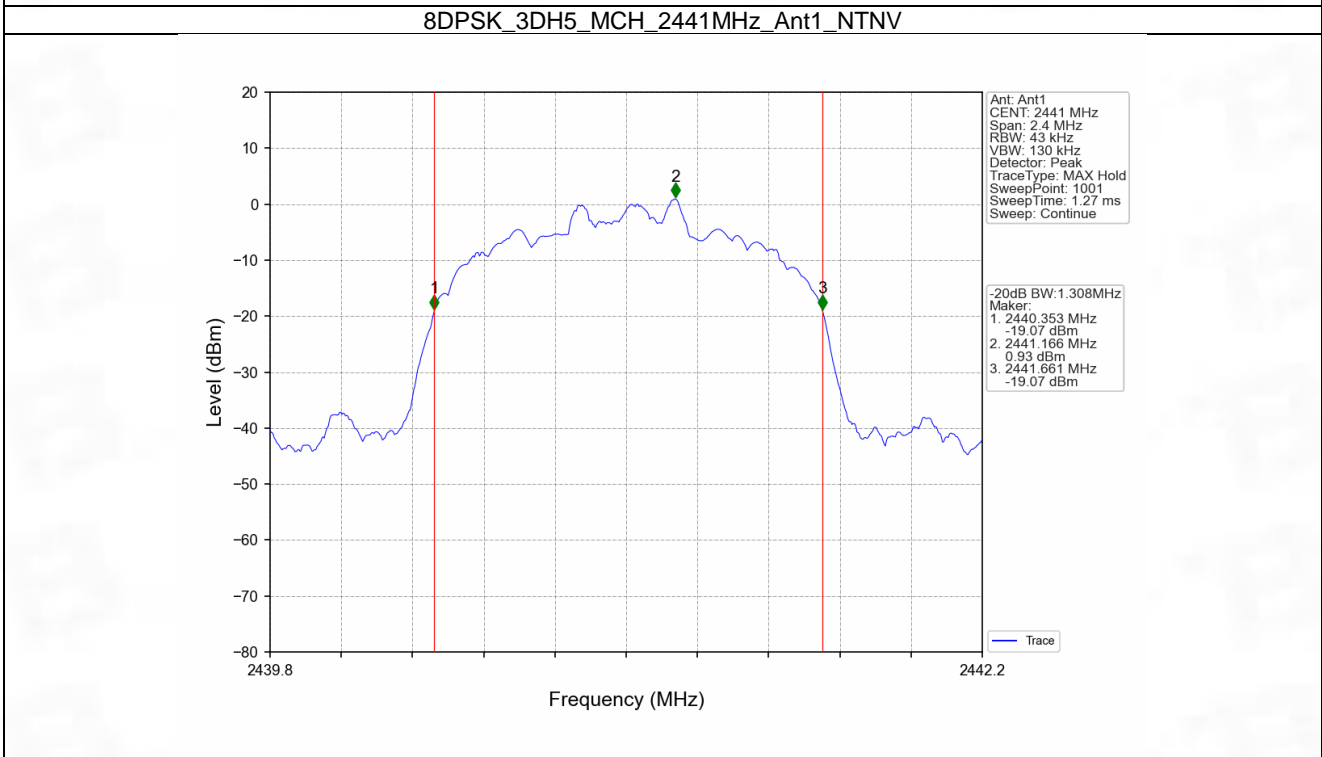
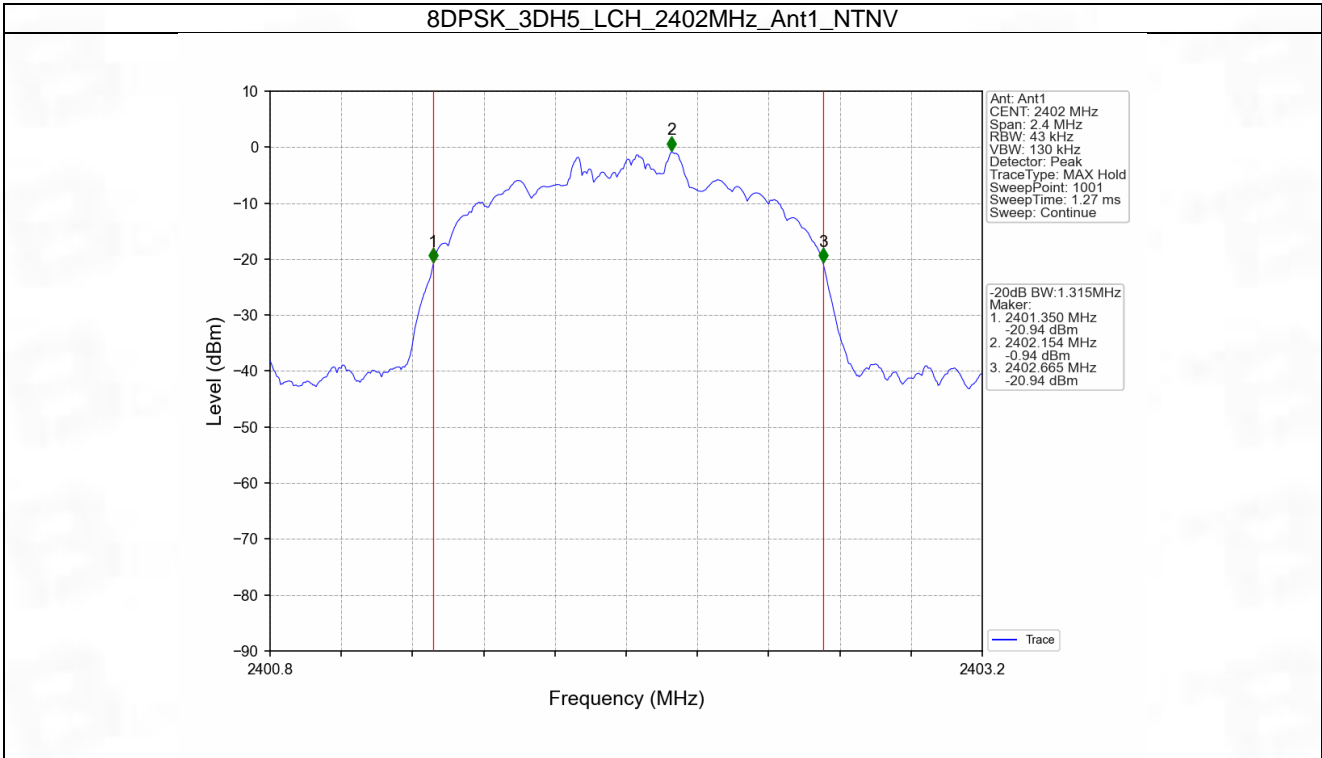


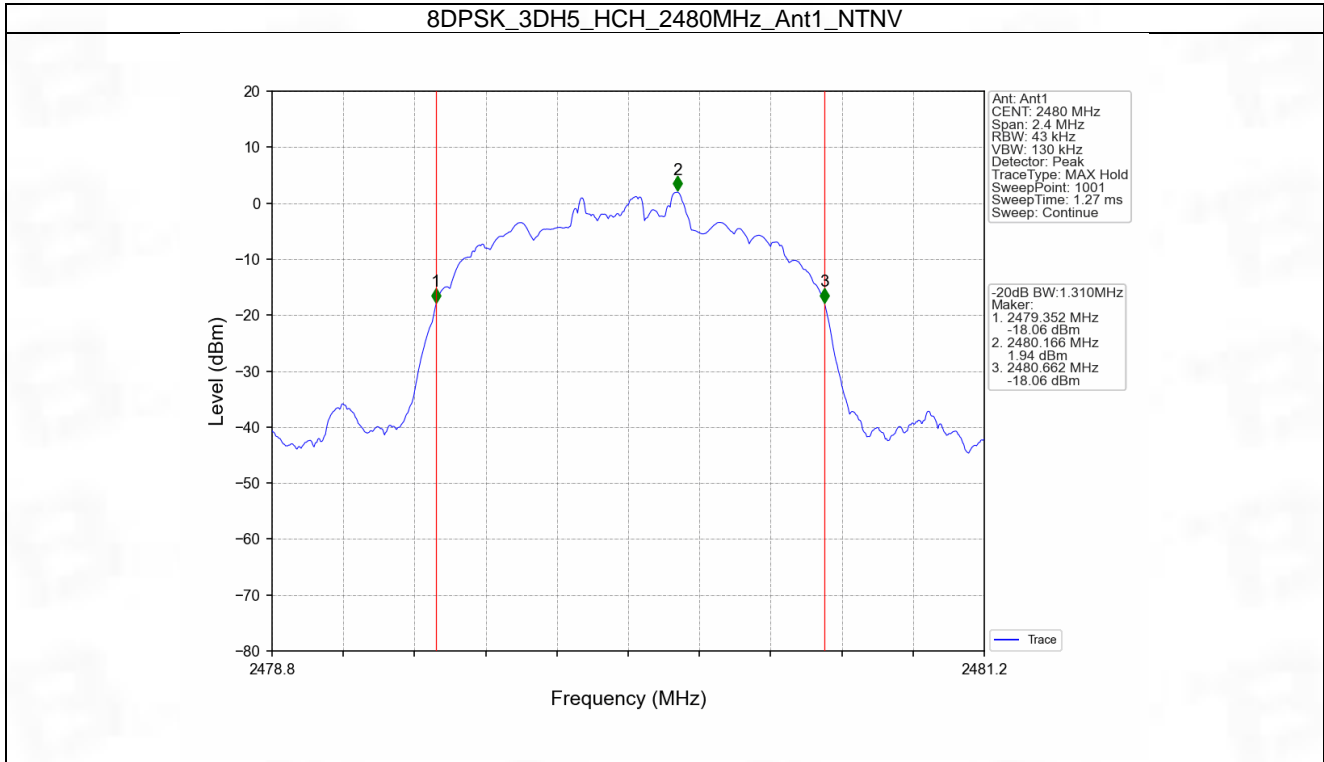
Pi/4DQPSK\_2DH5\_MCH\_2441MHz\_Ant1\_NTNV



Pi/4DQPSK\_2DH5\_HCH\_2480MHz\_Ant1\_NTNV









## 2. Maximum Conducted Output Power

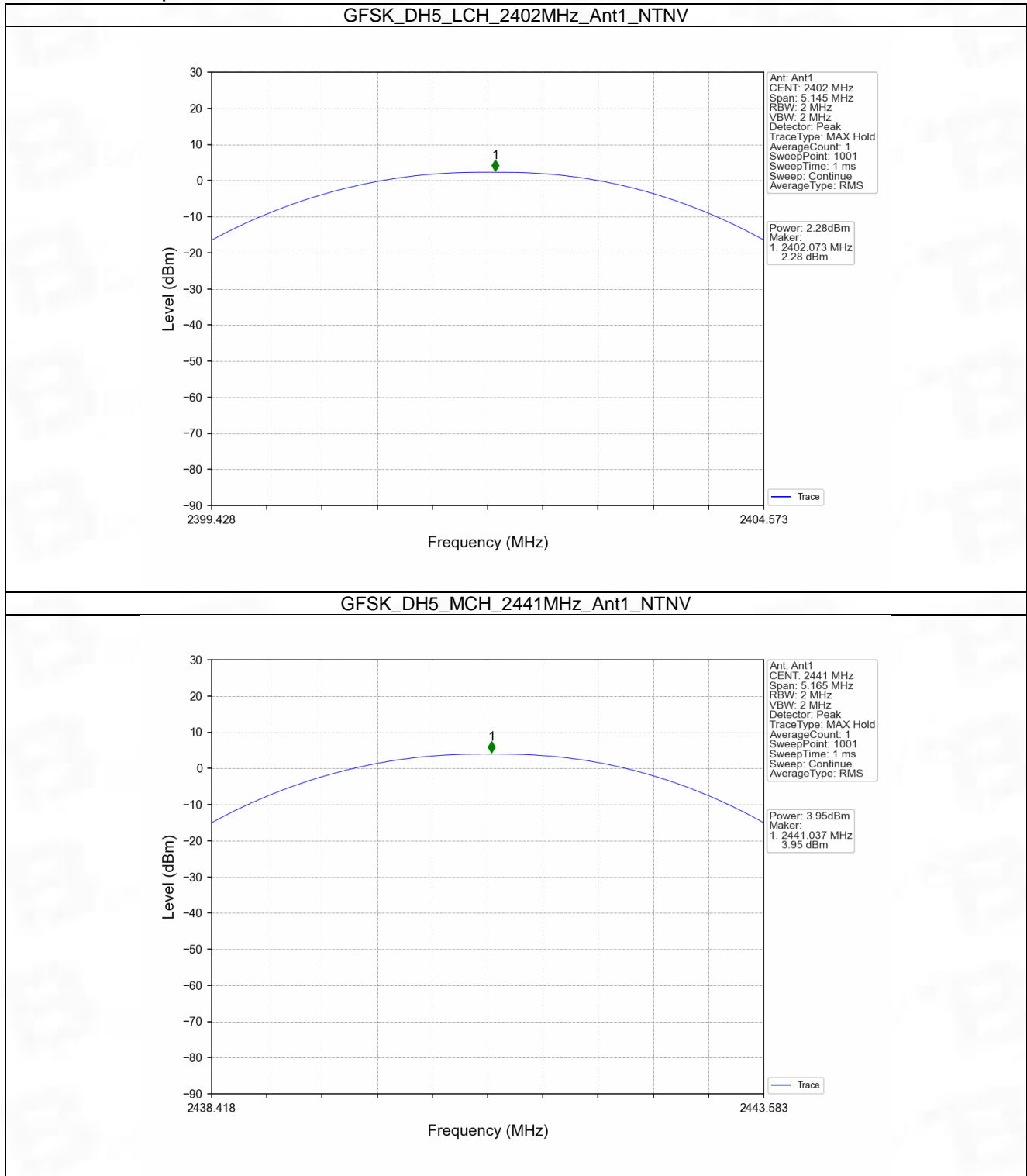
### 2.1 Power

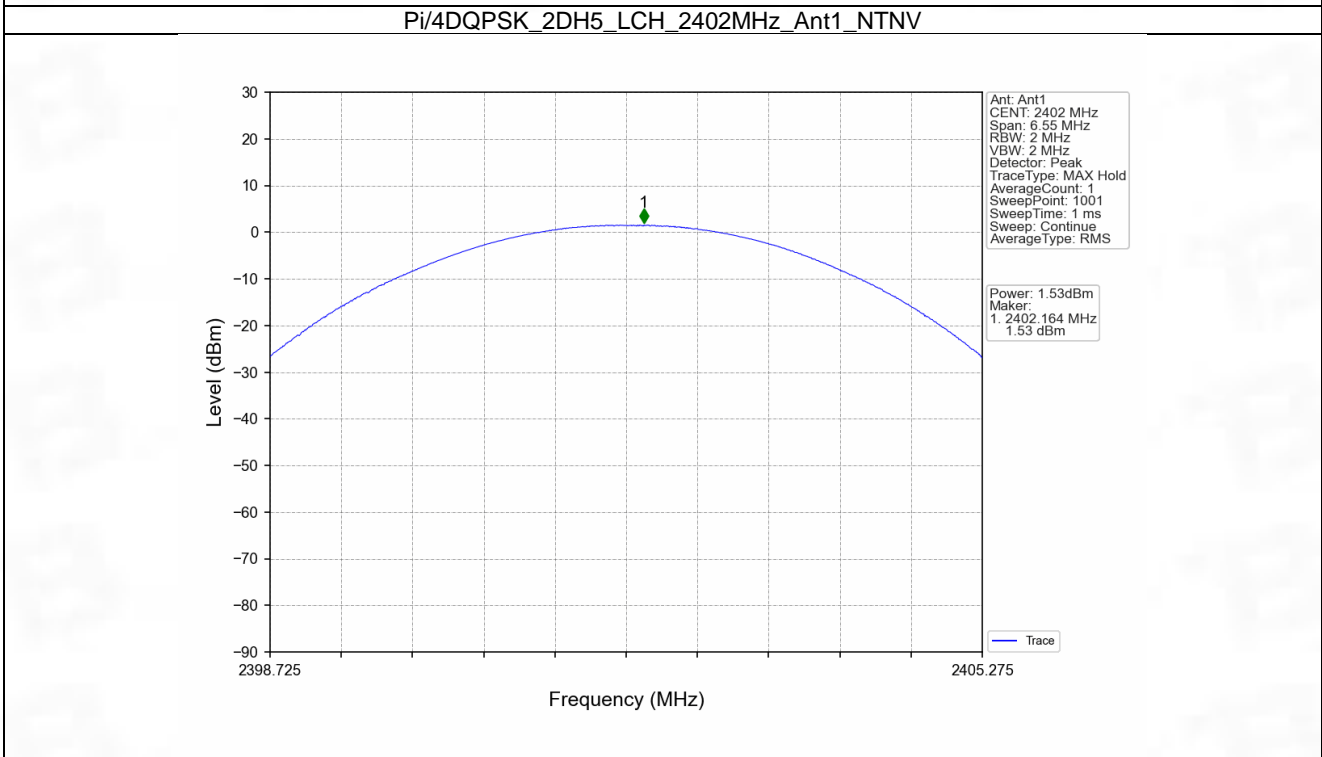
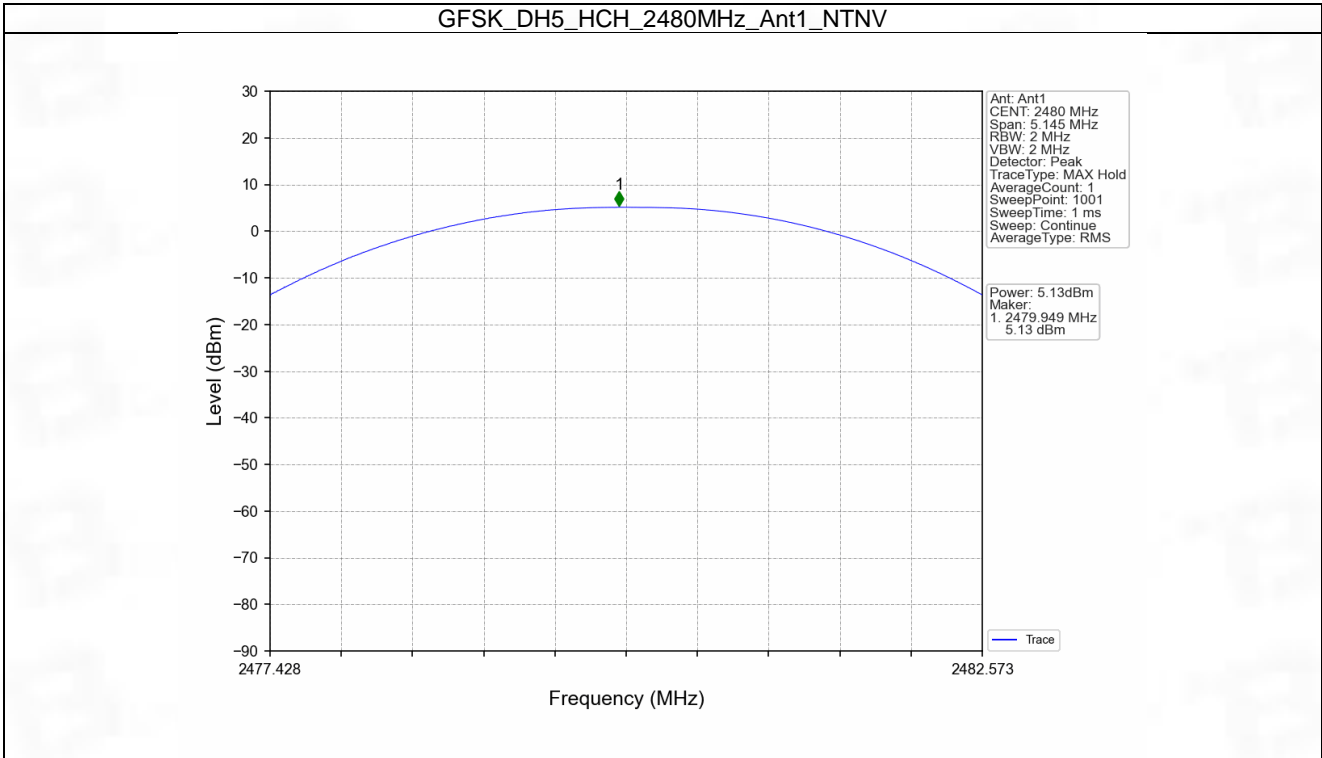
#### 2.1.1 Test Result

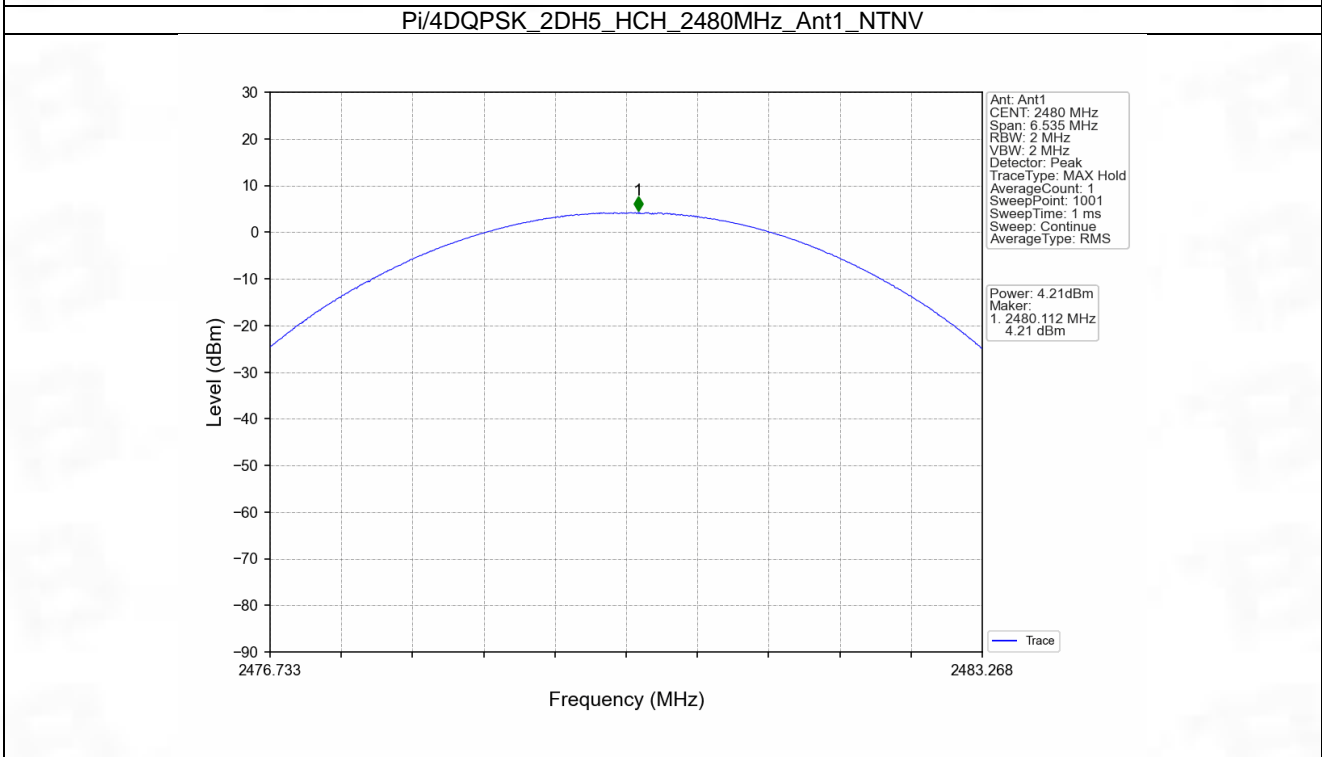
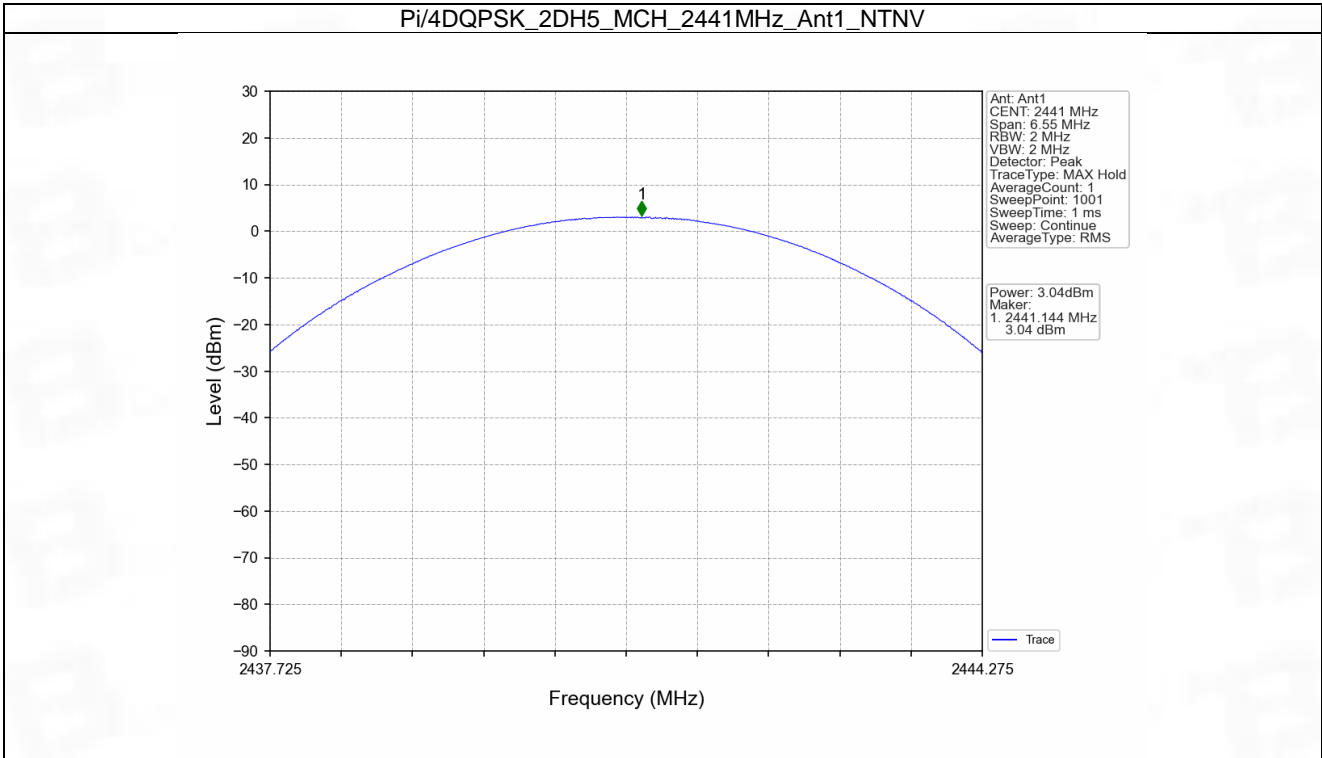
Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)		Verdict
				ANT1	Limit	
GFSK	SISO	2402	DH5	2.28	<=20.97	Pass
		2441	DH5	3.95	<=20.97	Pass
		2480	DH5	5.13	<=20.97	Pass
Pi/4DQPSK	SISO	2402	2DH5	1.53	<=20.97	Pass
		2441	2DH5	3.04	<=20.97	Pass
		2480	2DH5	4.21	<=20.97	Pass
8DPSK	SISO	2402	3DH5	1.59	<=20.97	Pass
		2441	3DH5	3.14	<=20.97	Pass
		2480	3DH5	4.27	<=20.97	Pass

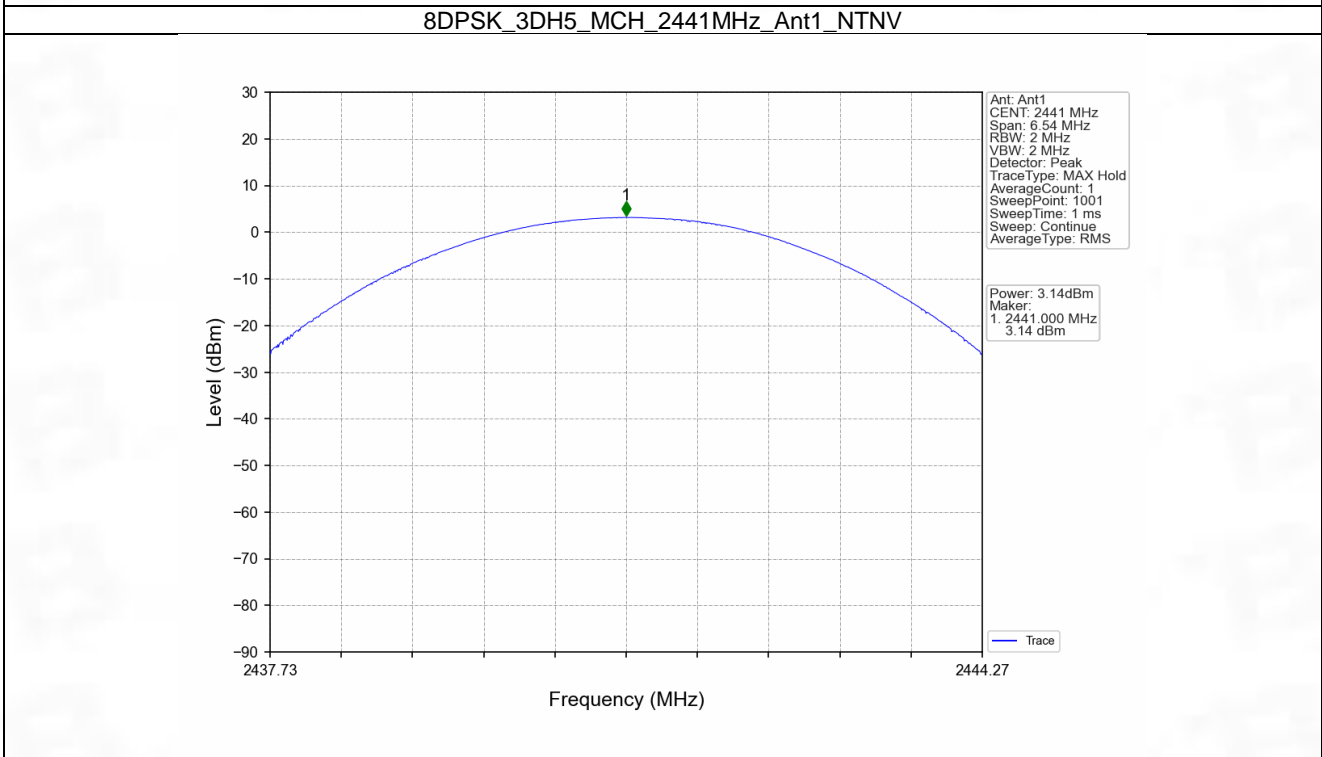
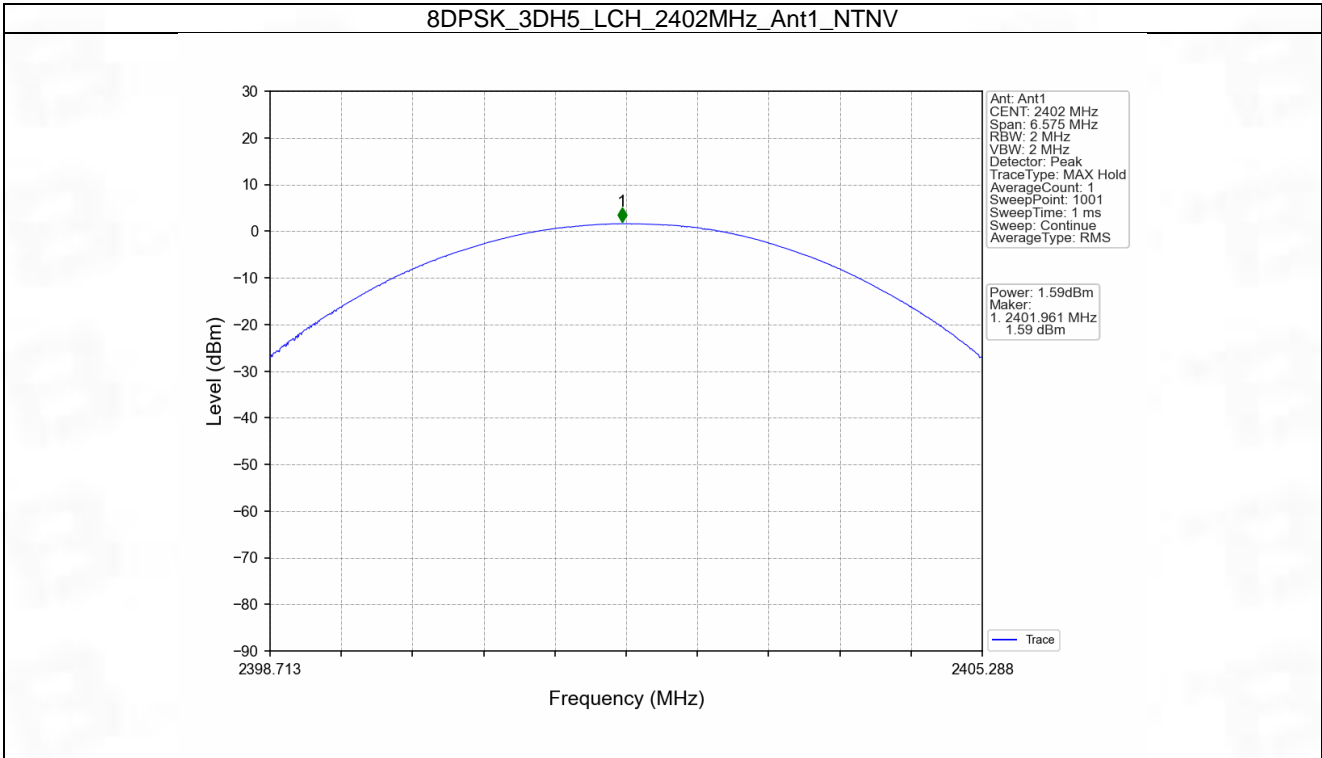
Note1: Antenna Gain: Ant1: 1.09dBi;

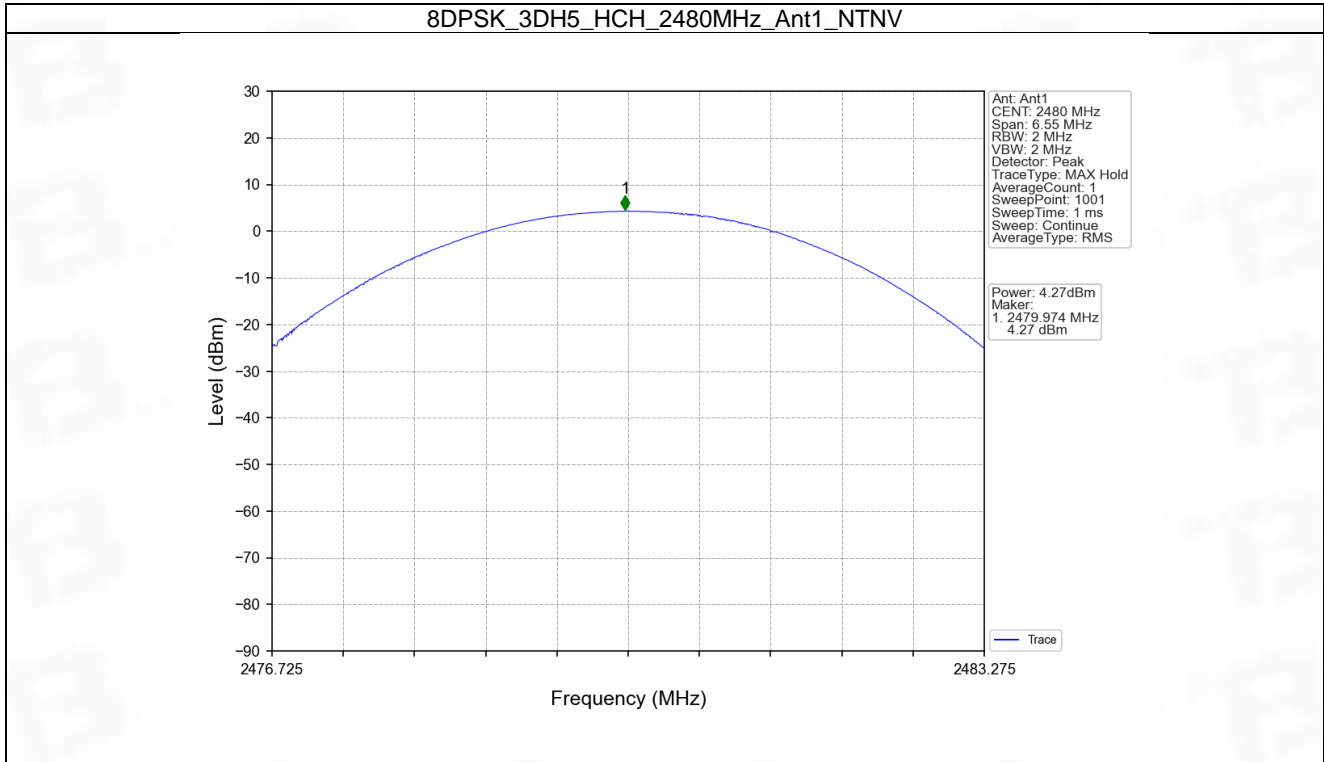
### 2.1.2 Test Graph











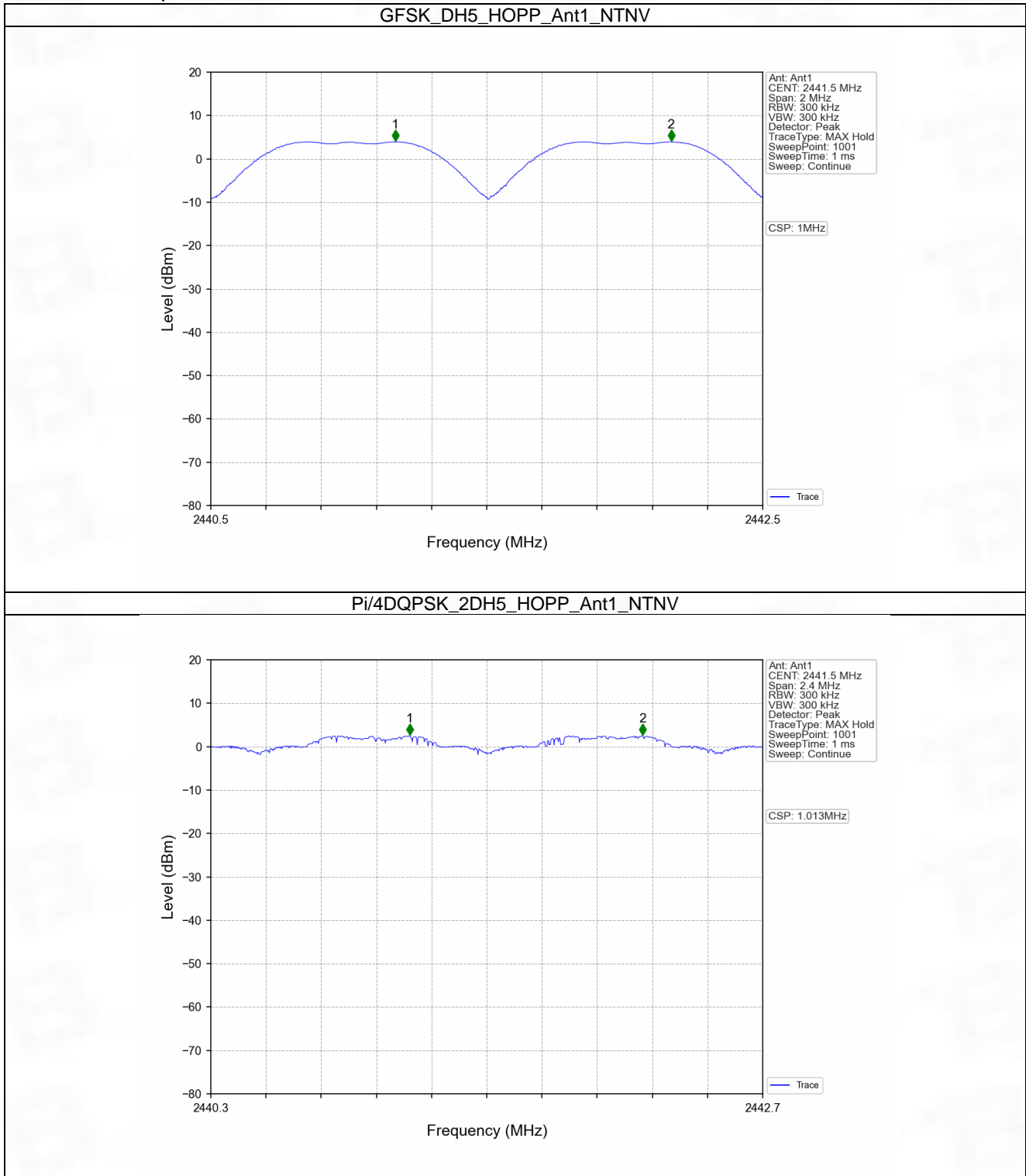
### 3. Carrier Frequency Separation

#### 3.1 Ant1

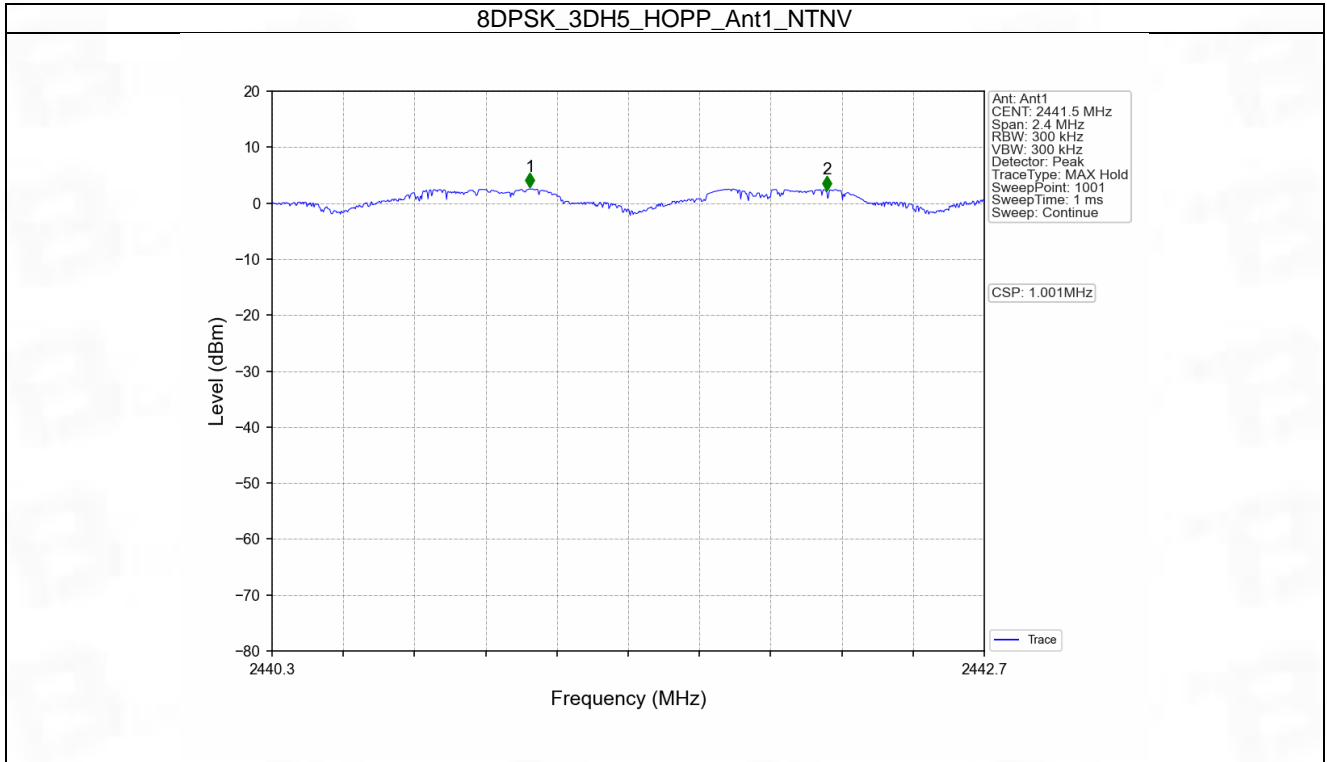
##### 3.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	1.033	$\geq 0.689$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.013	1.310	$\geq 0.873$	Pass
8DPSK	SISO	HOPP	3DH5	1.001	1.315	$\geq 0.877$	Pass

### 3.1.2 Test Graph







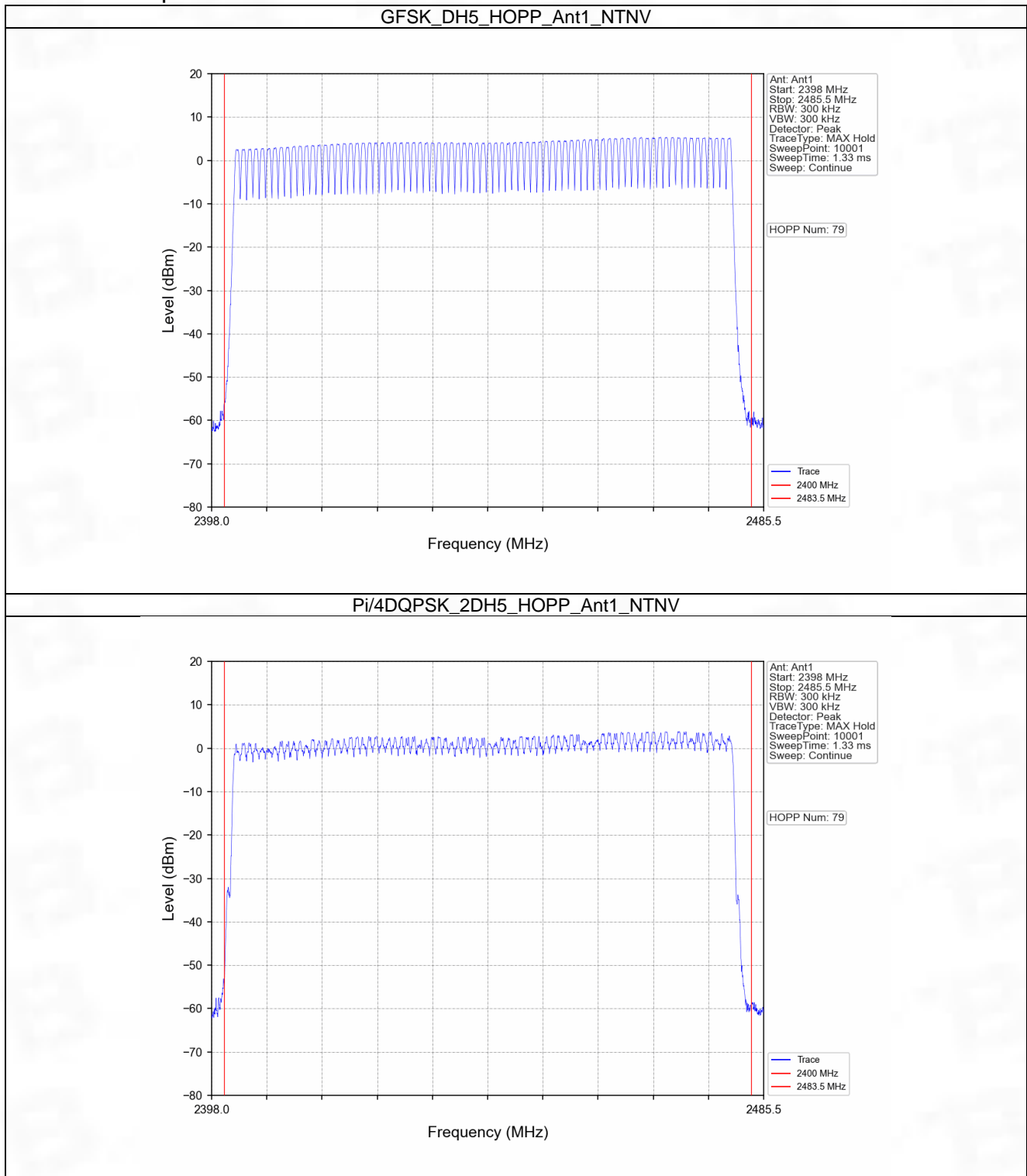
## 4. Number of Hopping Frequencies

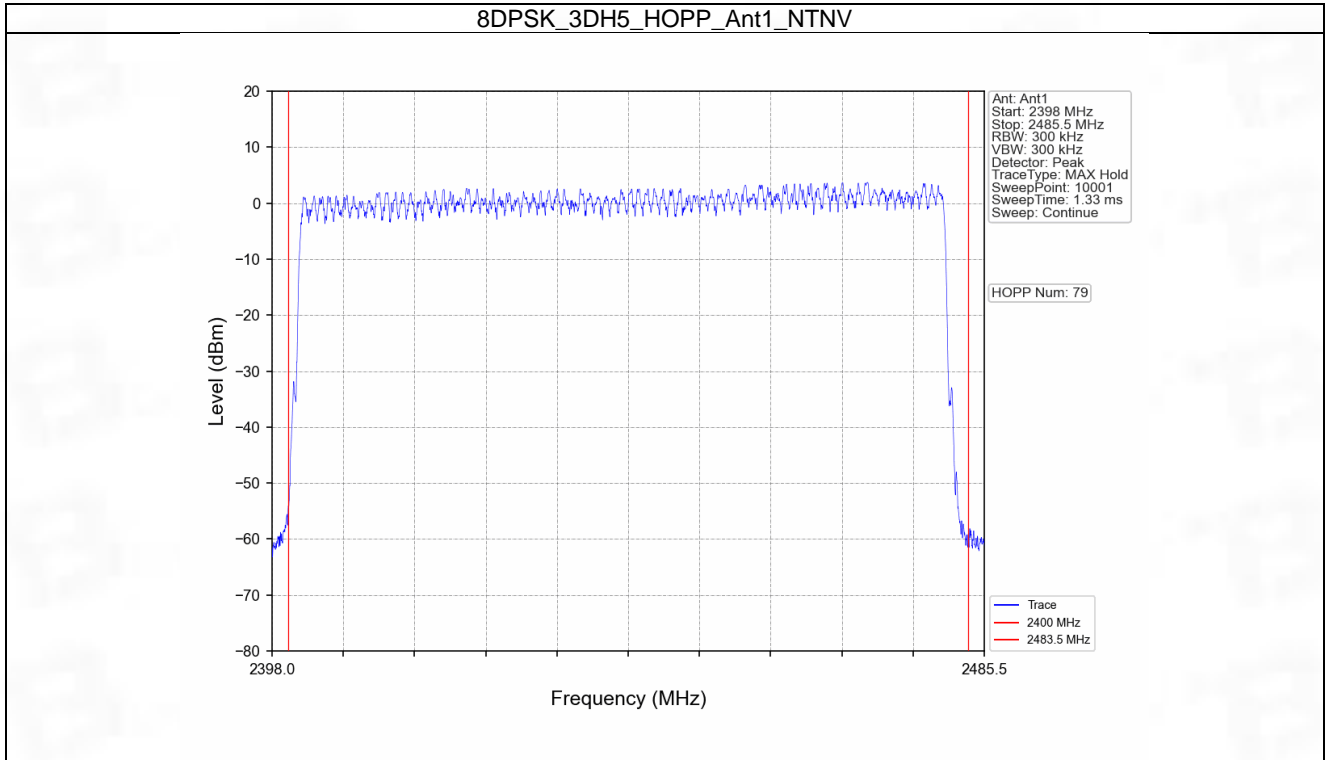
### 4.1 HoppNum

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies		Verdict
				ANT1	Limit	
GFSK	SISO	HOPP	DH5	79	$\geq 15$	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	$\geq 15$	Pass
8DPSK	SISO	HOPP	3DH5	79	$\geq 15$	Pass

### 4.1.2 Test Graph





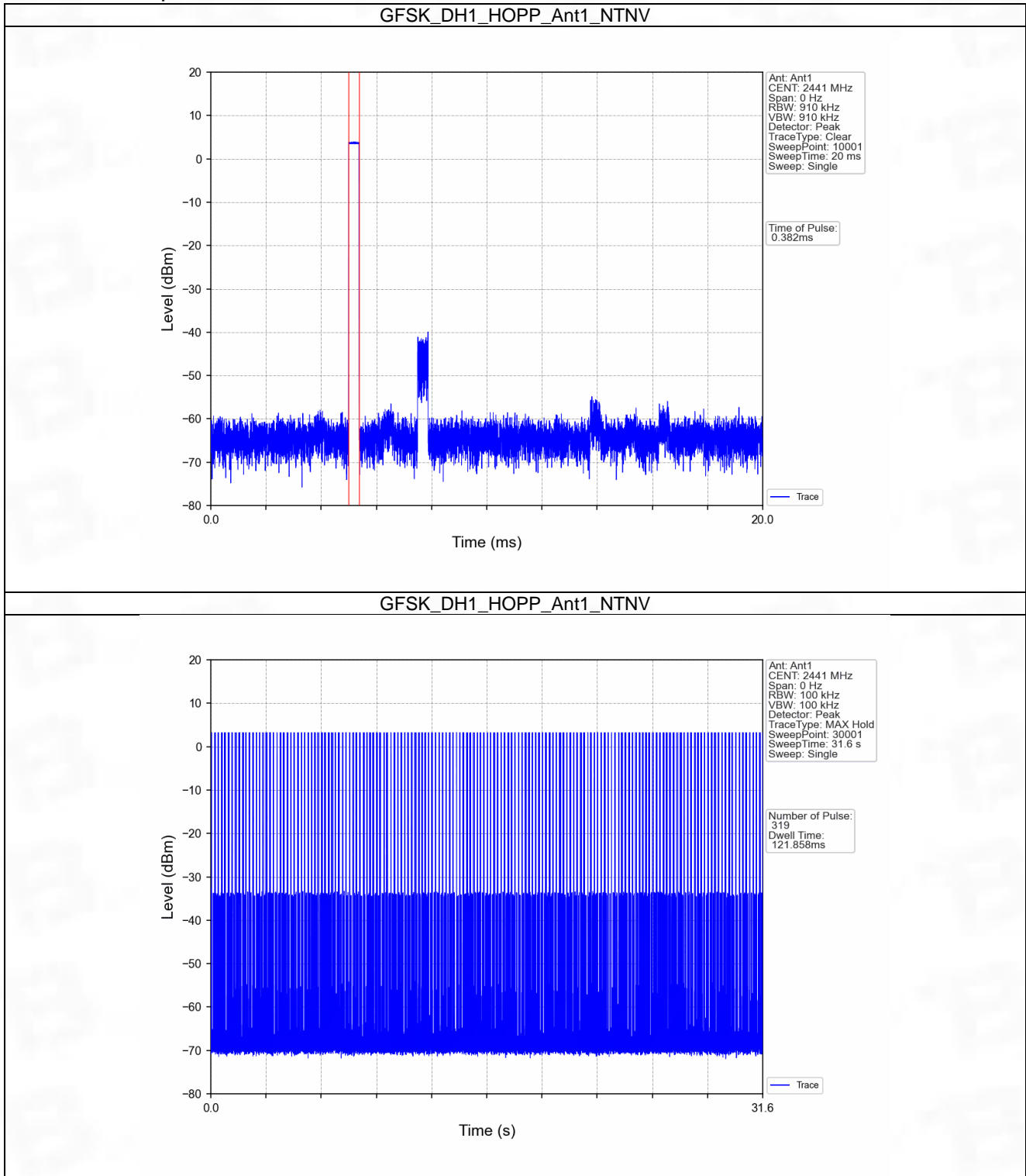
## 5. Time of Occupancy (Dwell Time)

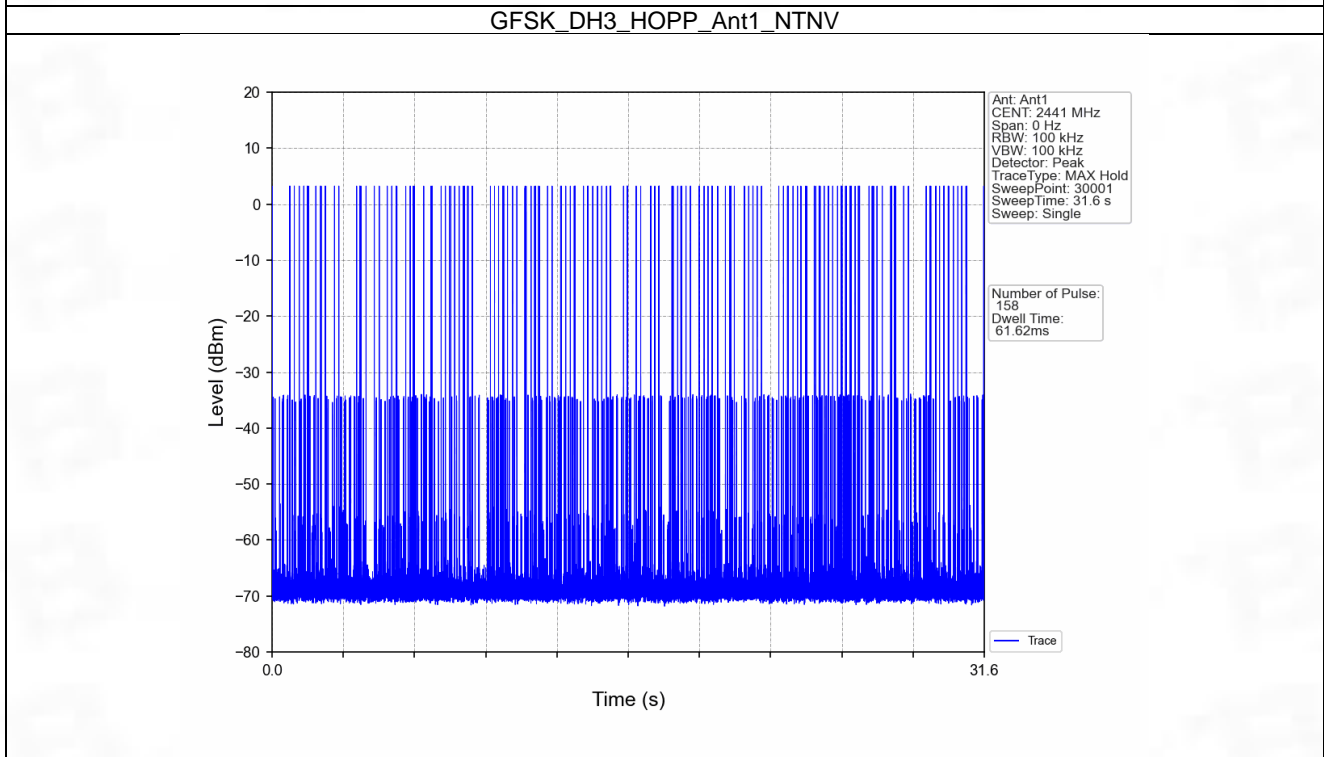
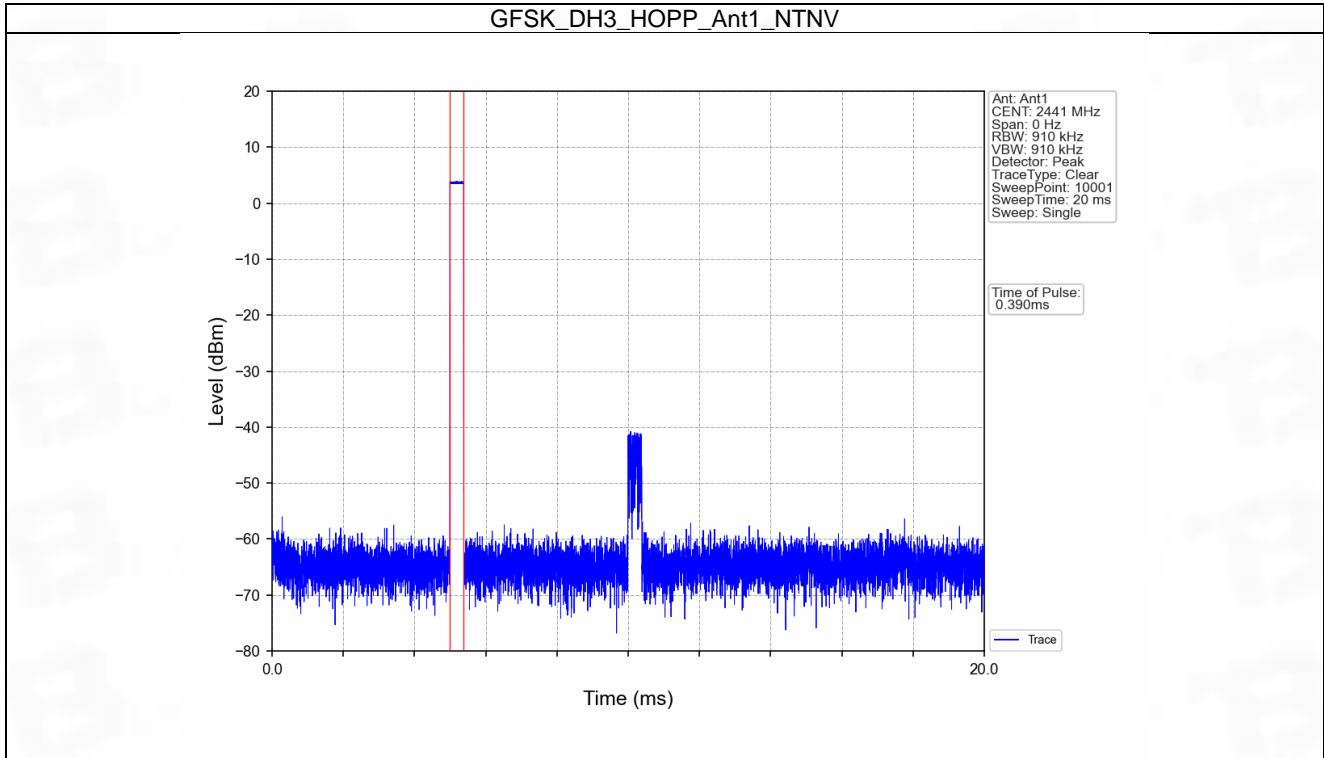
### 5.1 Ant1

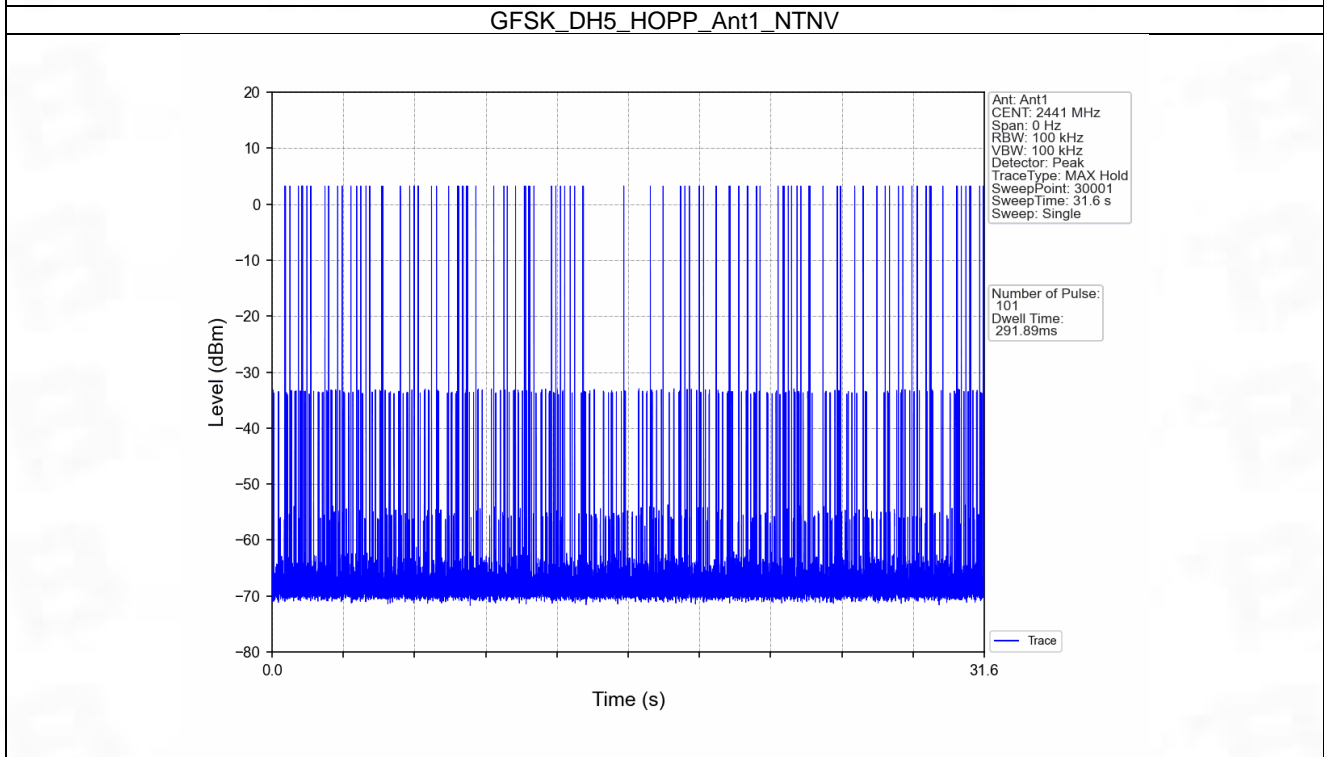
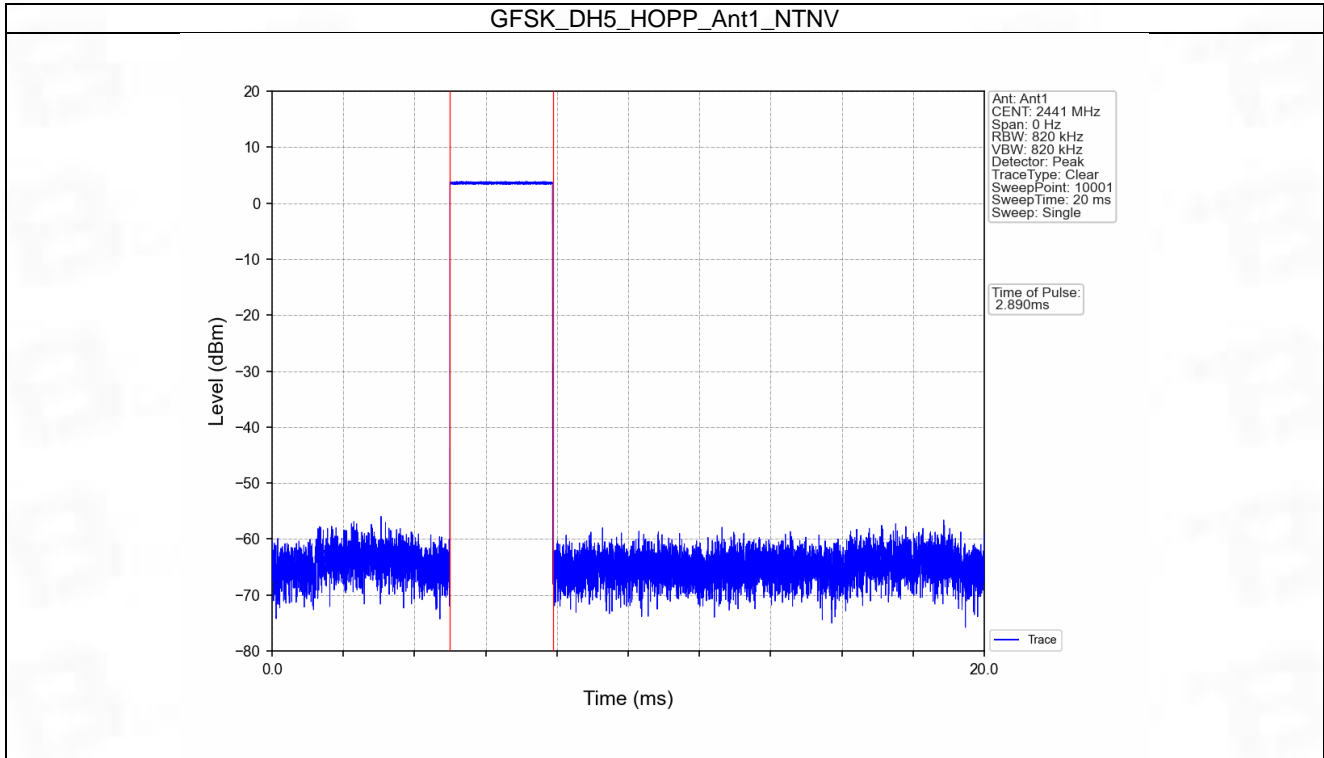
#### 5.1.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.382	31.600	319	121.858	<=400	Pass
			DH3	0.390	31.600	158	61.620	<=400	Pass
			DH5	2.890	31.600	101	291.890	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.388	31.600	320	124.160	<=400	Pass
			2DH3	1.642	31.600	159	261.078	<=400	Pass
			2DH5	2.894	31.600	105	303.870	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	320	124.800	<=400	Pass
			3DH3	1.644	31.600	157	258.108	<=400	Pass
			3DH5	2.896	31.600	104	301.184	<=400	Pass

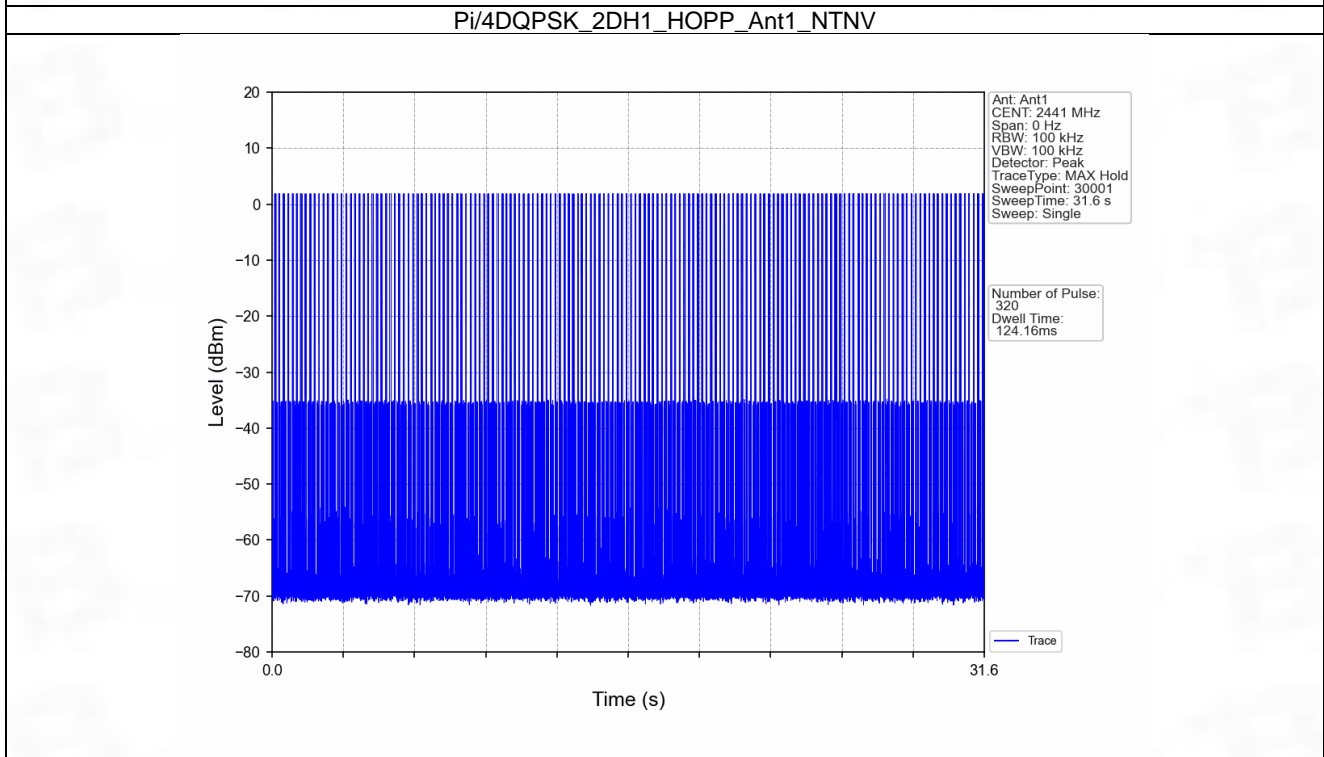
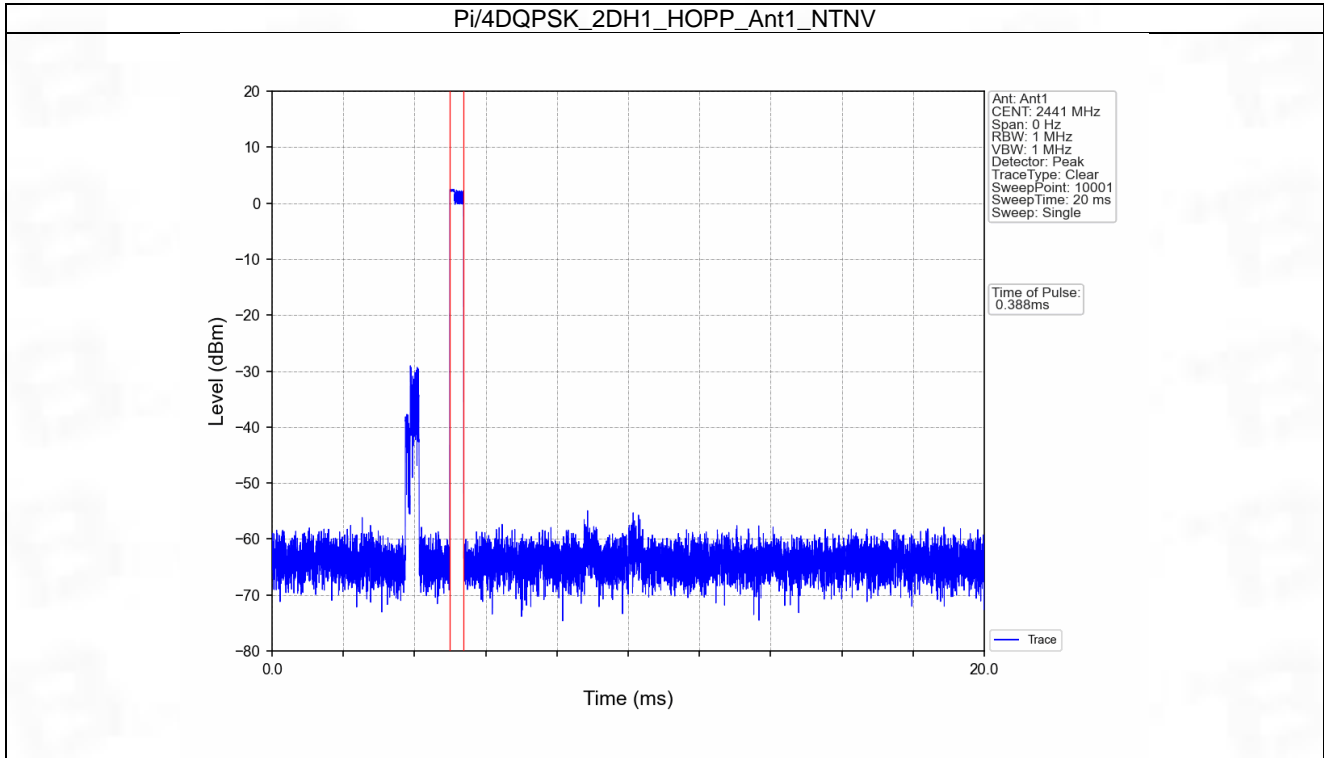
### 5.1.2 Test Graph

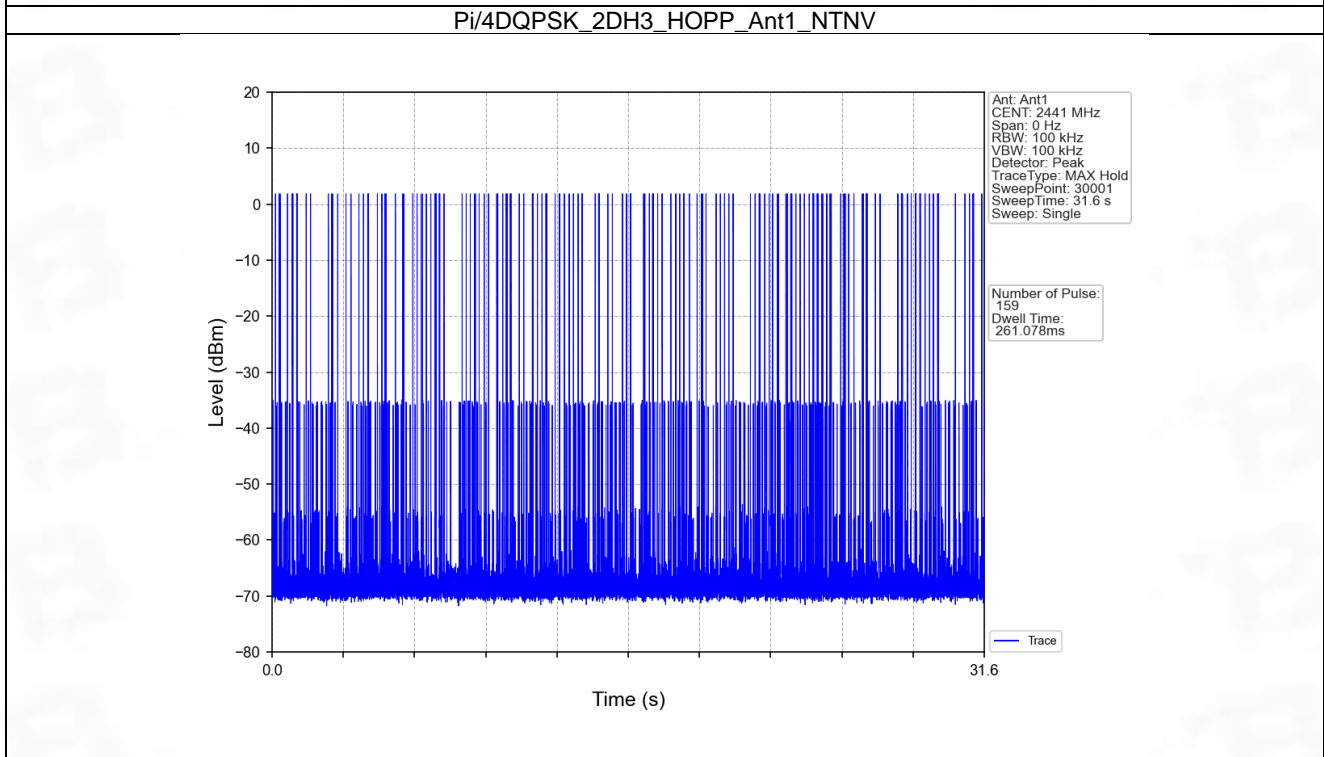
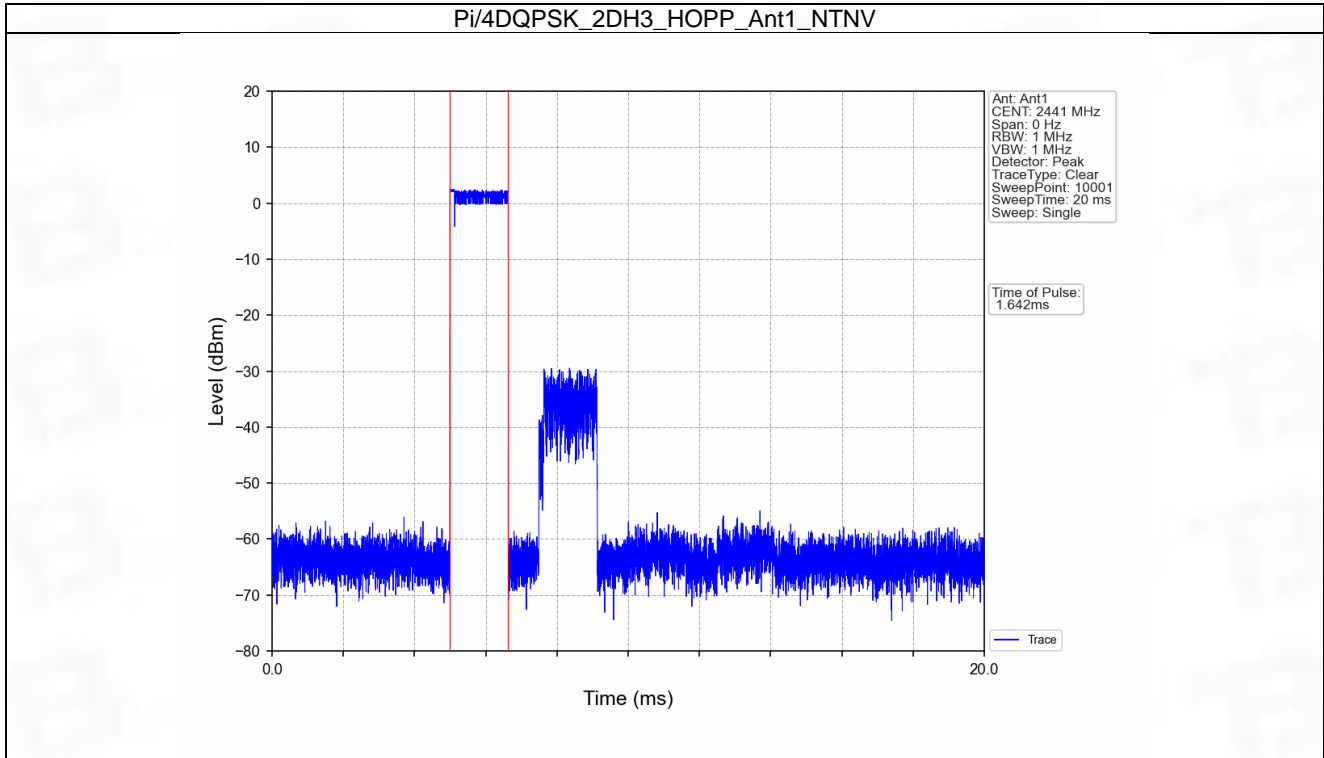


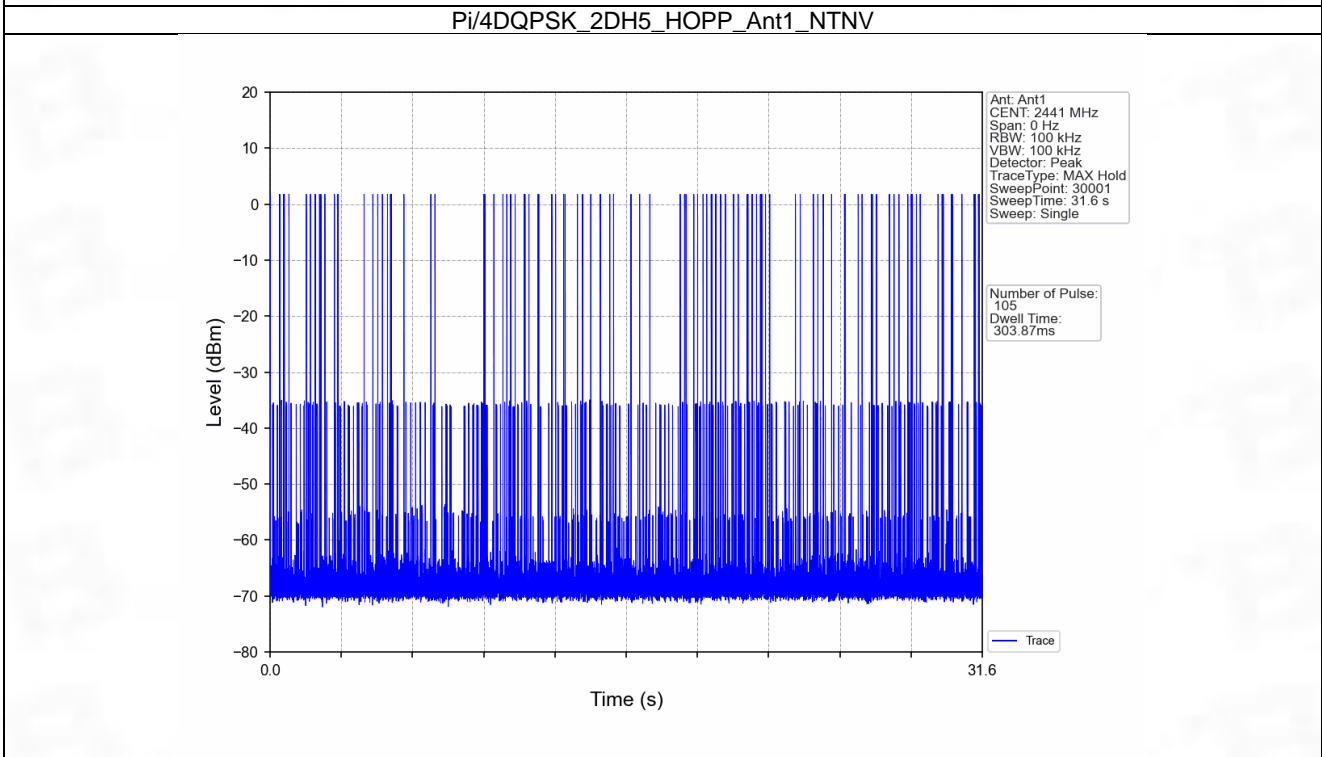
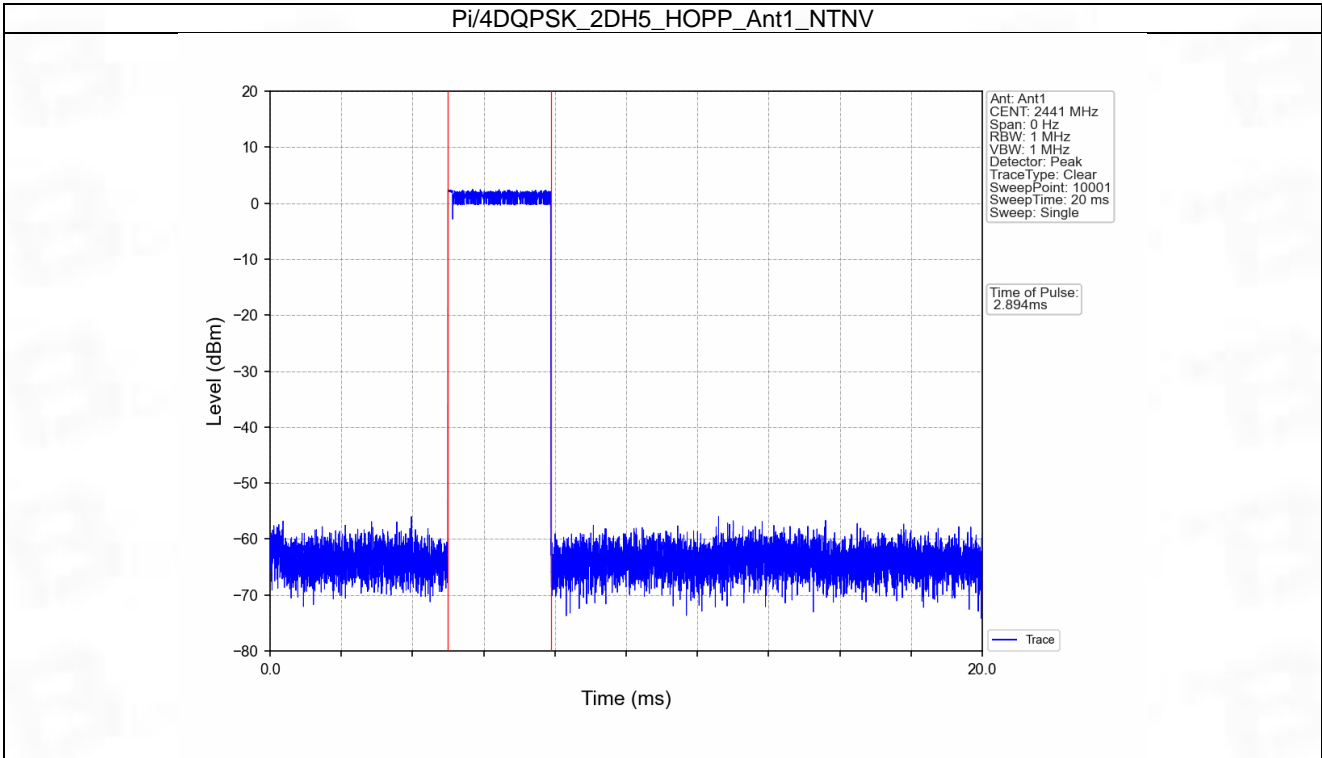


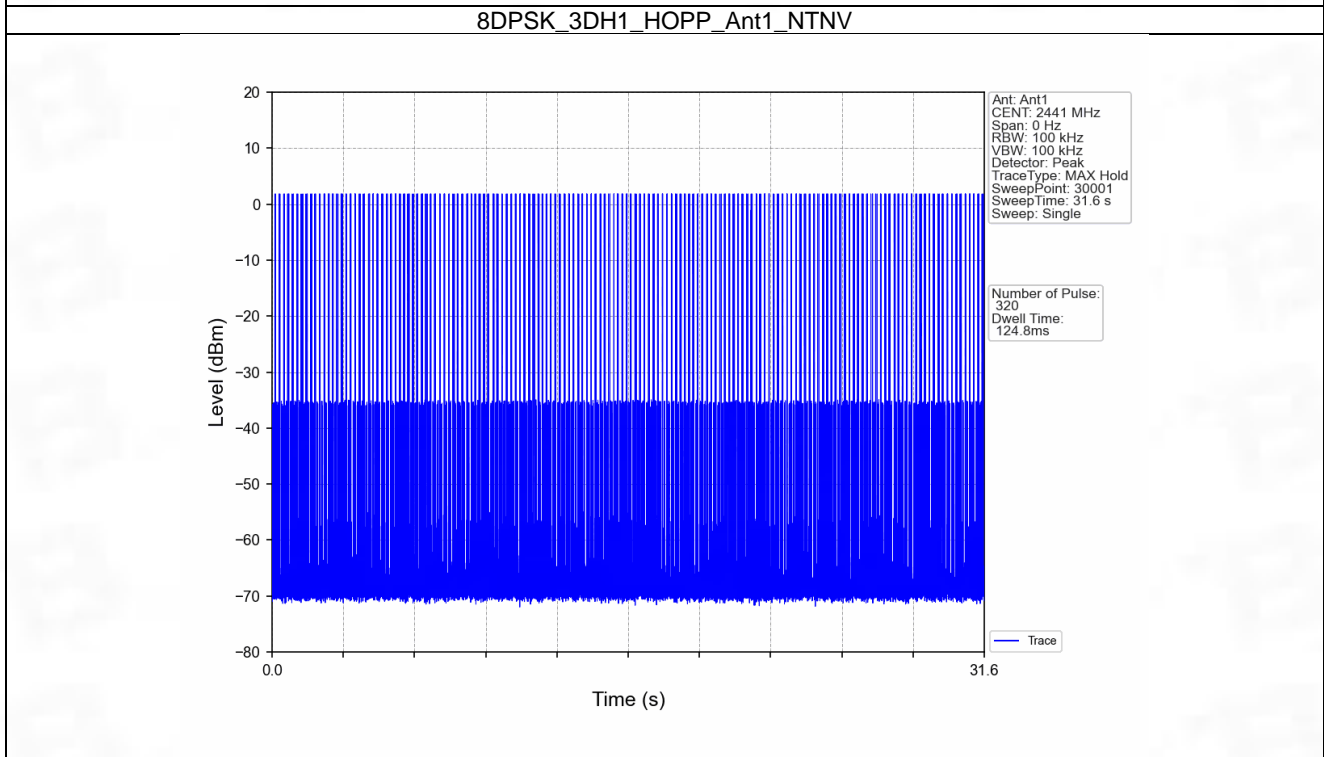
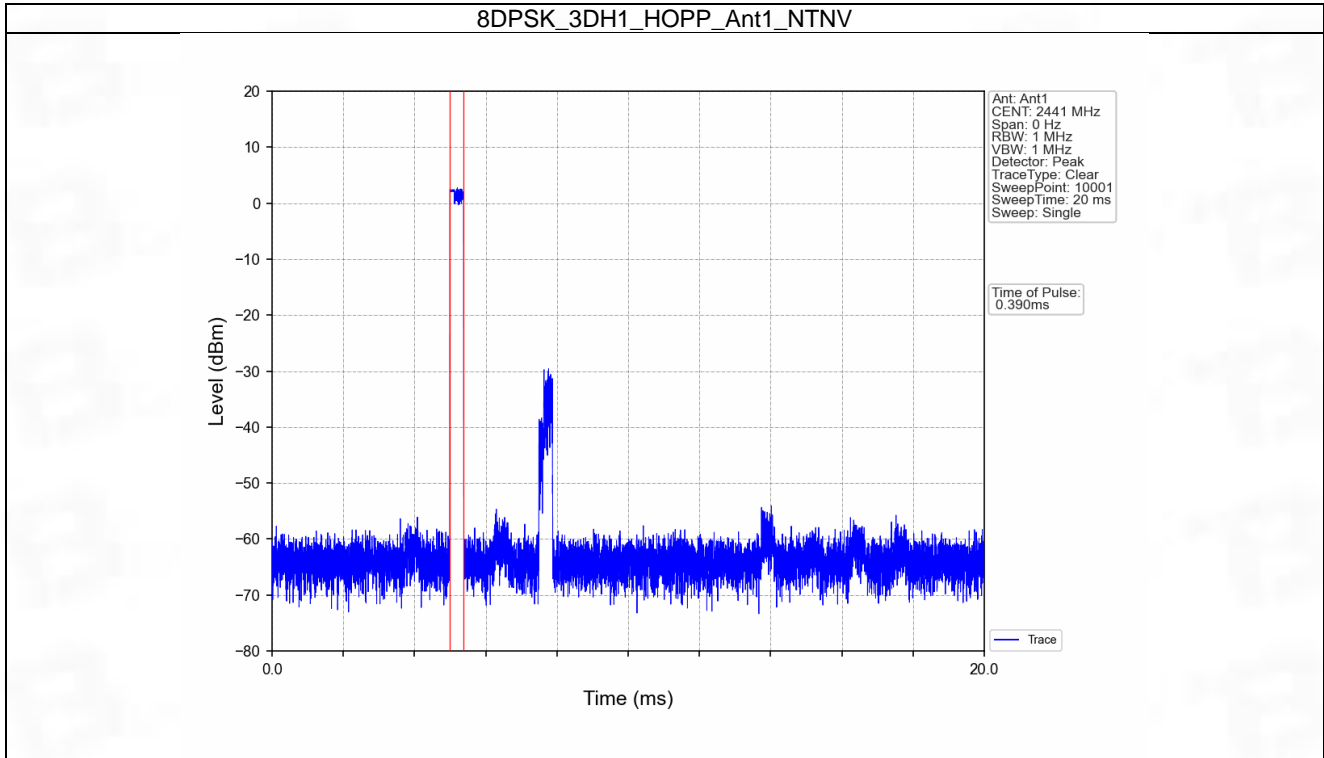


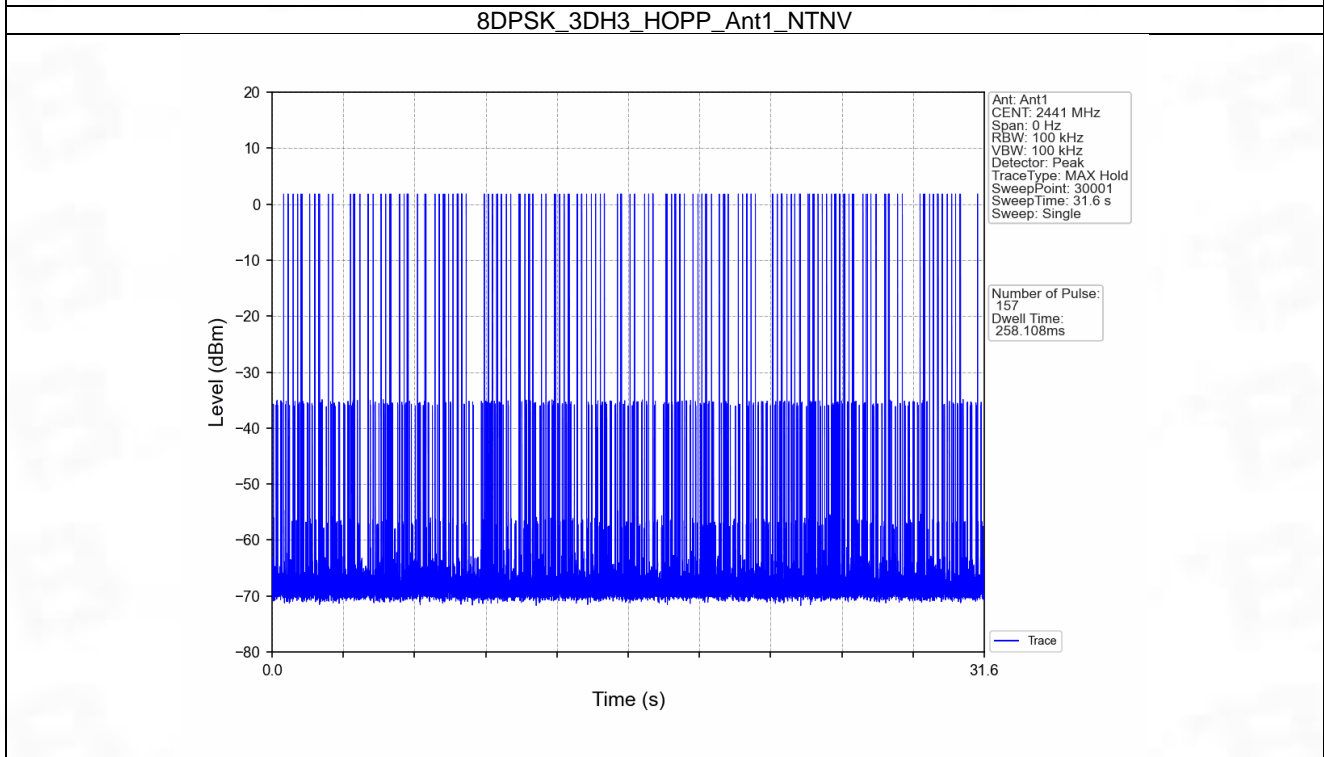
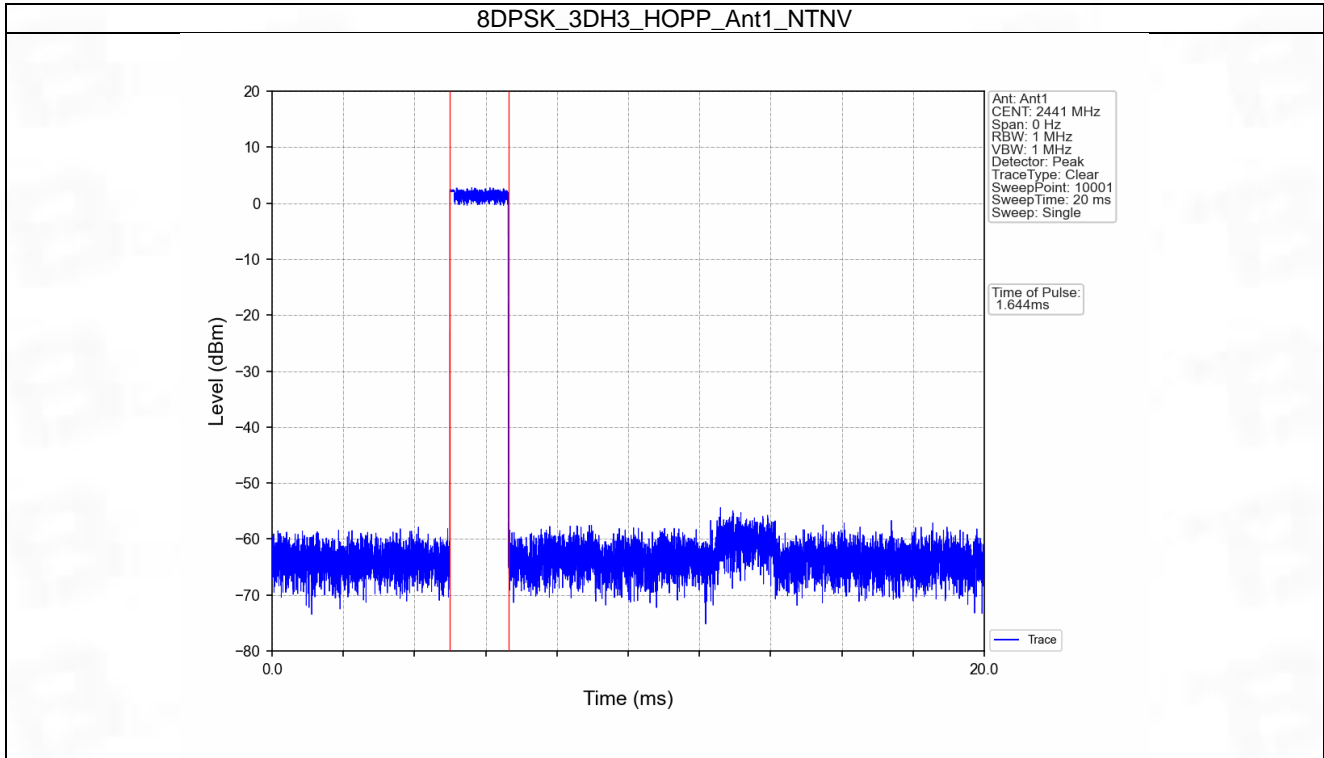


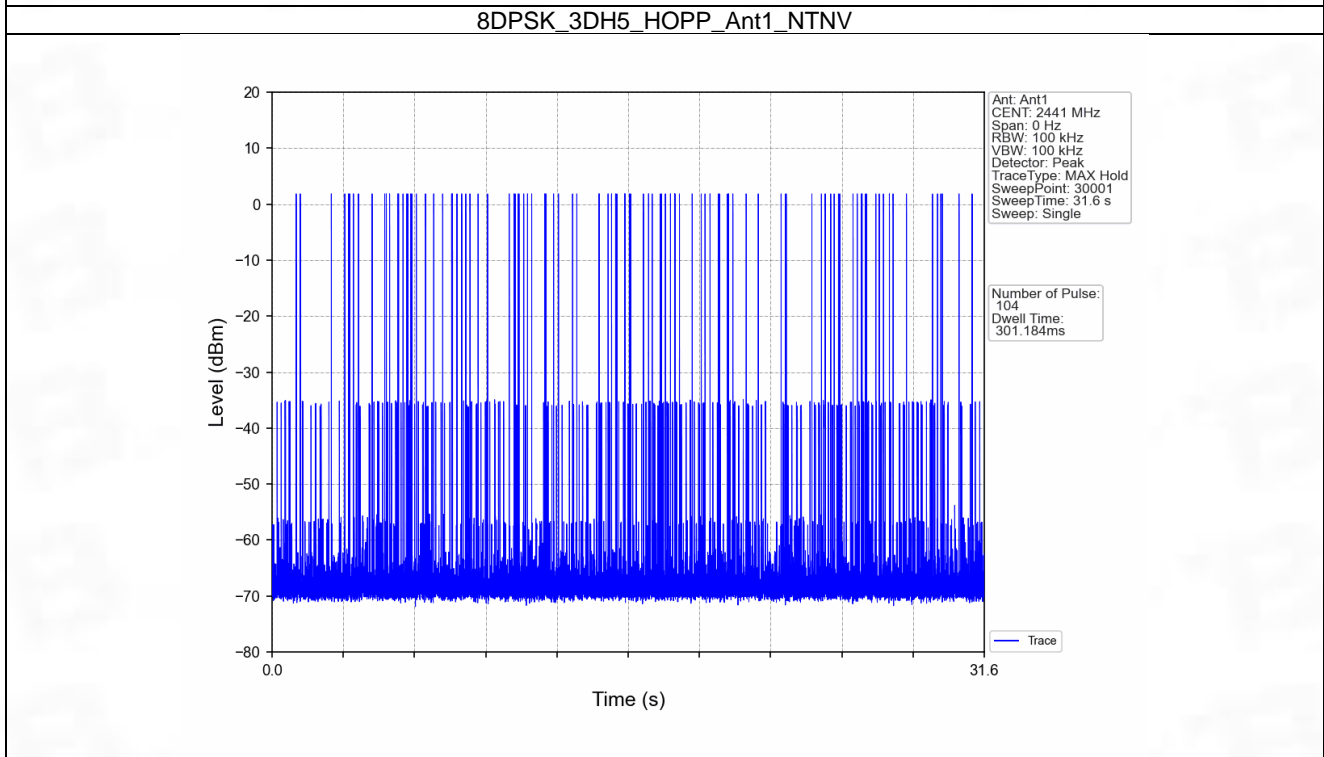
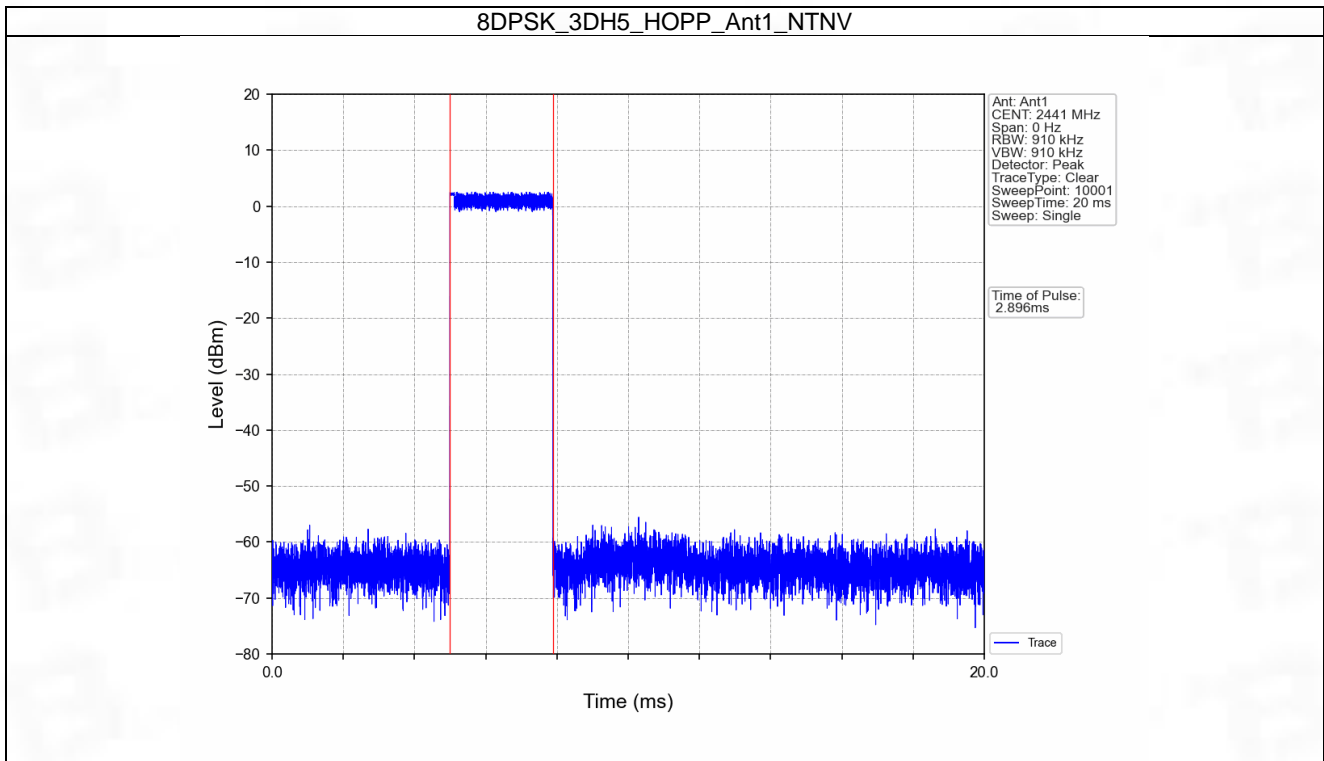












## 6. Unwanted Emissions In Non-restricted Frequency Bands

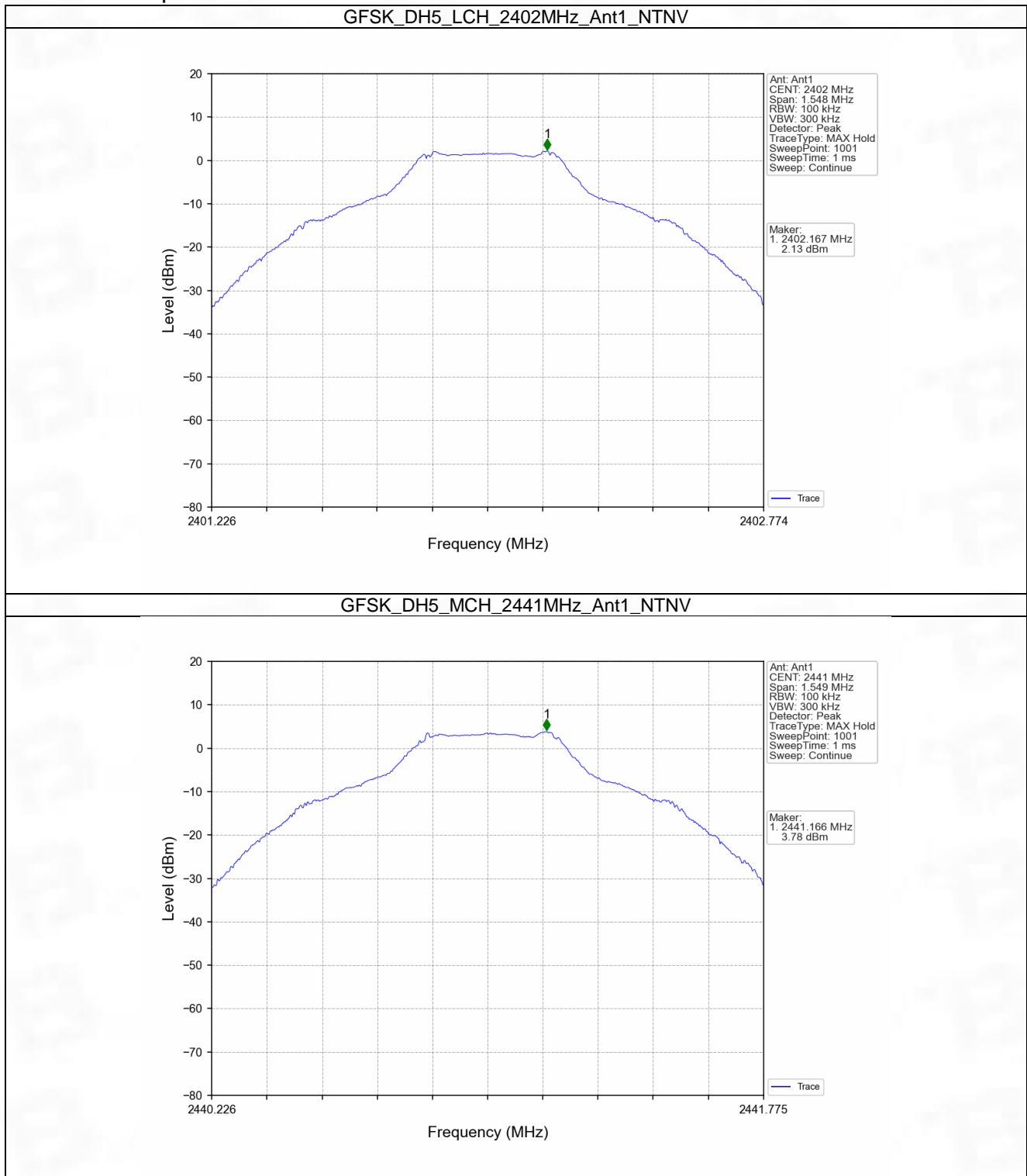
### 6.1 Ref

#### 6.1.1 Test Result

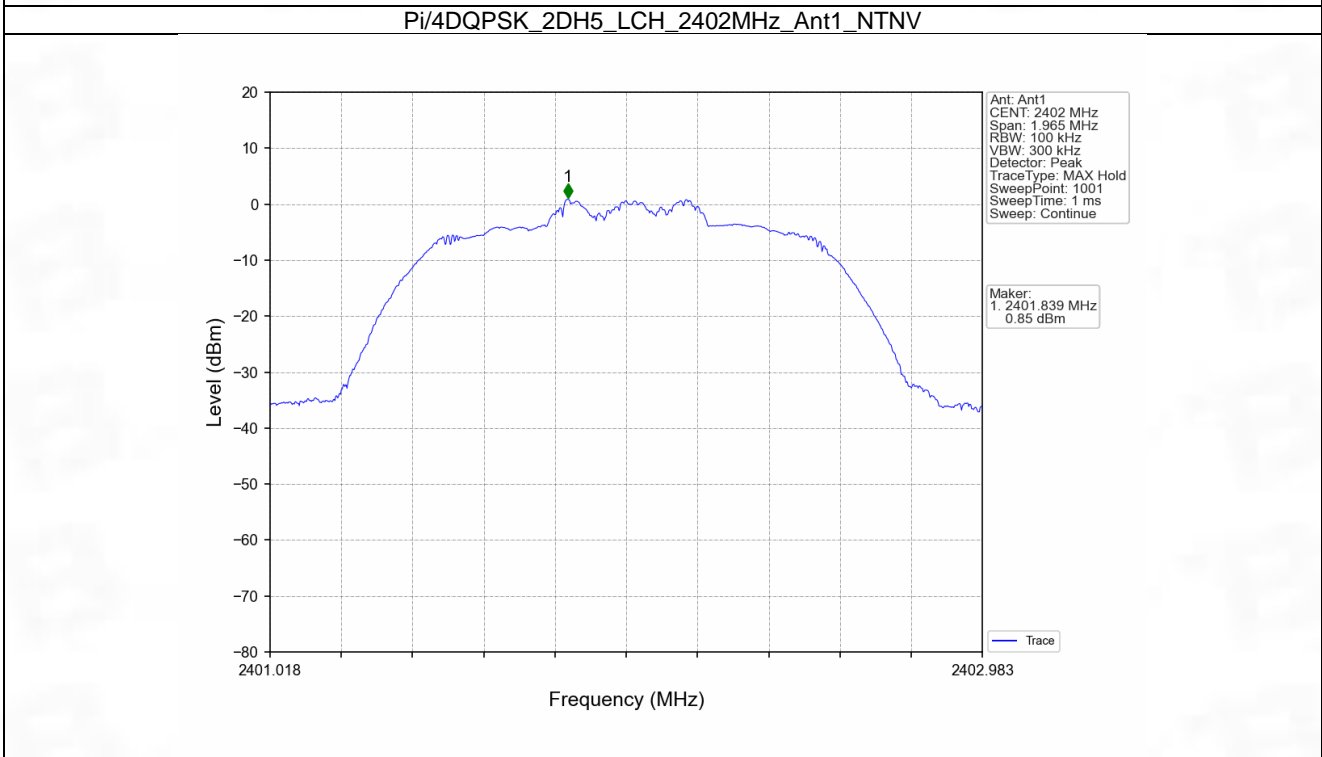
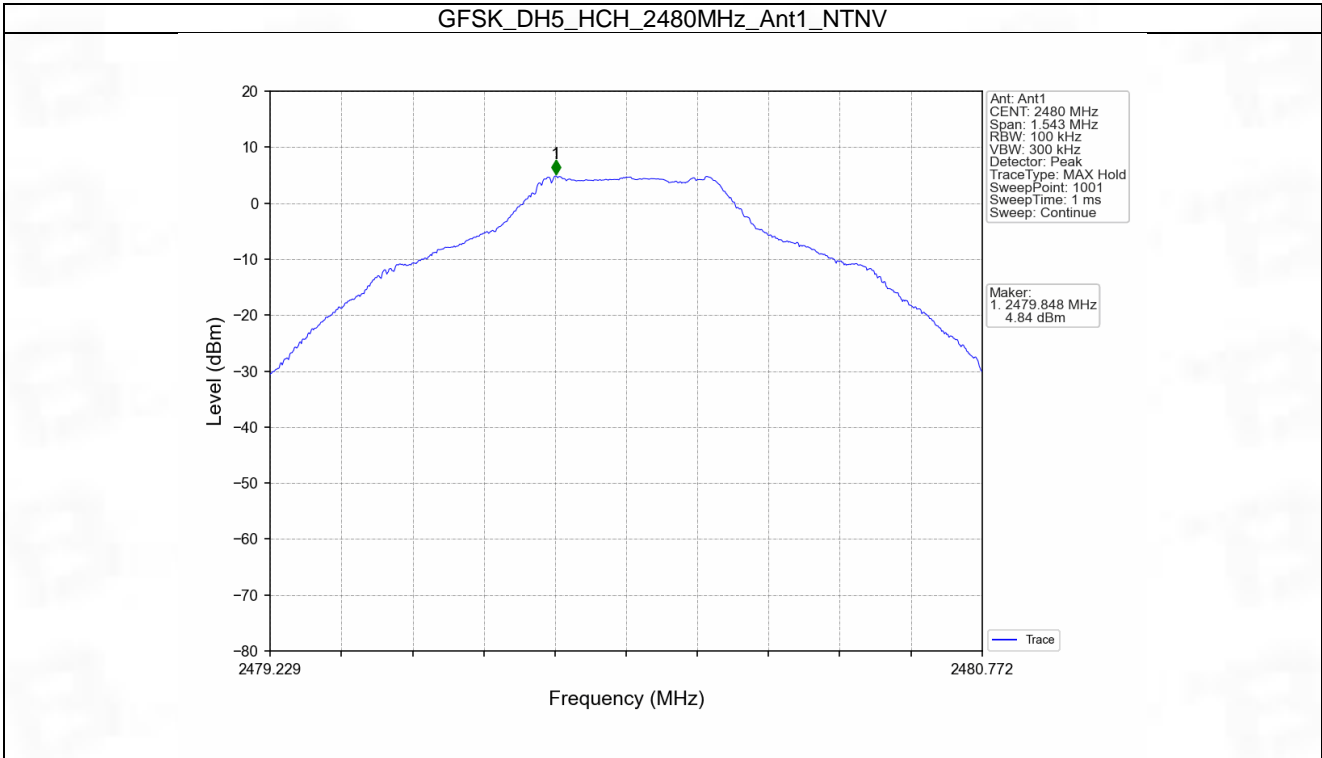
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	2.13
		2441	DH5	1	3.78
		2480	DH5	1	4.84
Pi/4DQPSK	SISO	2402	2DH5	1	0.85
		2441	2DH5	1	2.25
		2480	2DH5	1	3.21
8DPSK	SISO	2402	3DH5	1	0.78
		2441	3DH5	1	2.42
		2480	3DH5	1	3.41

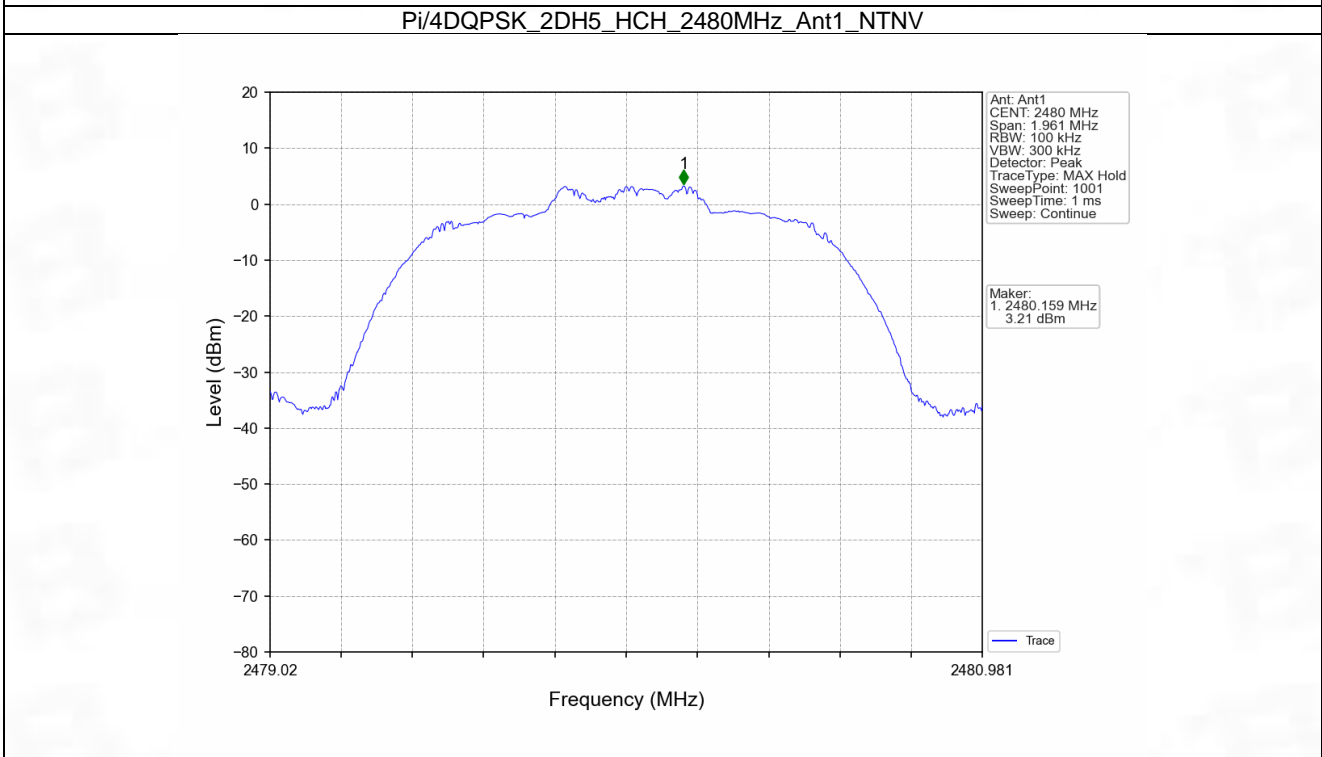
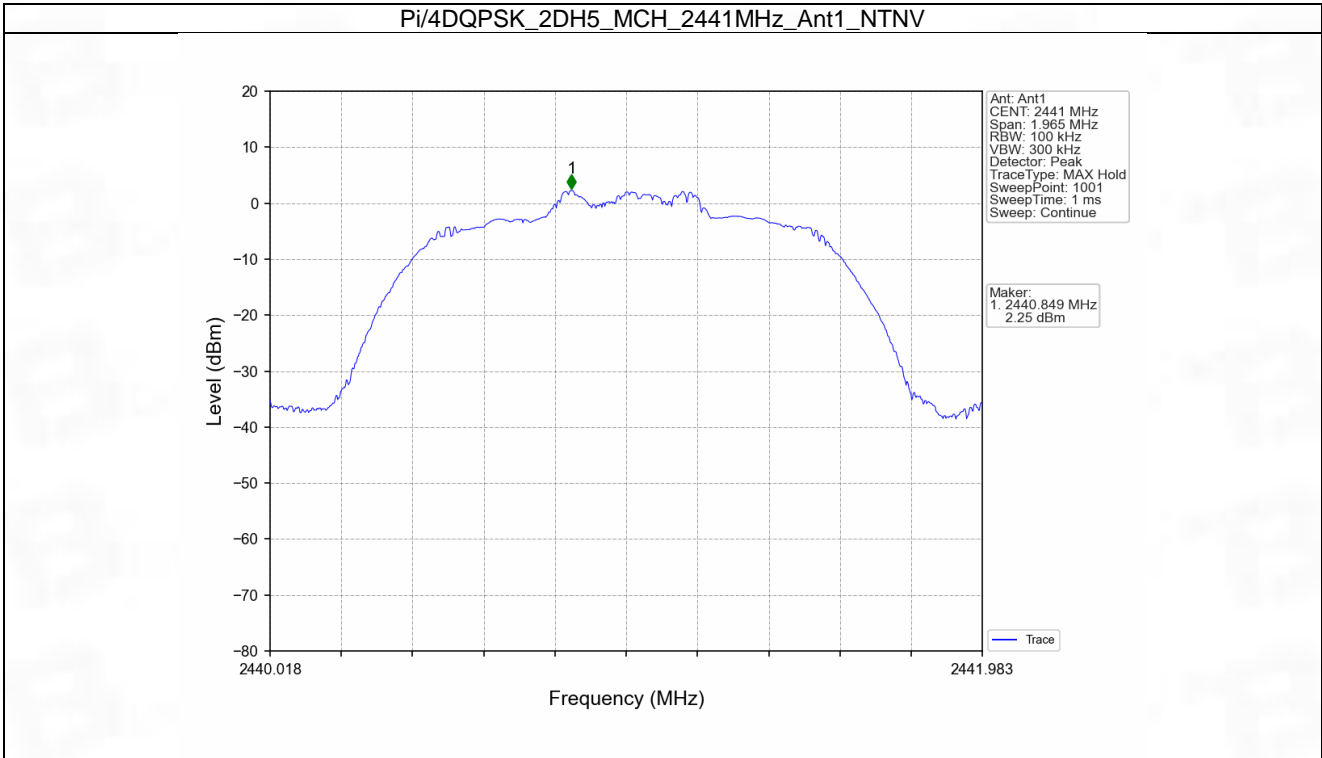
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

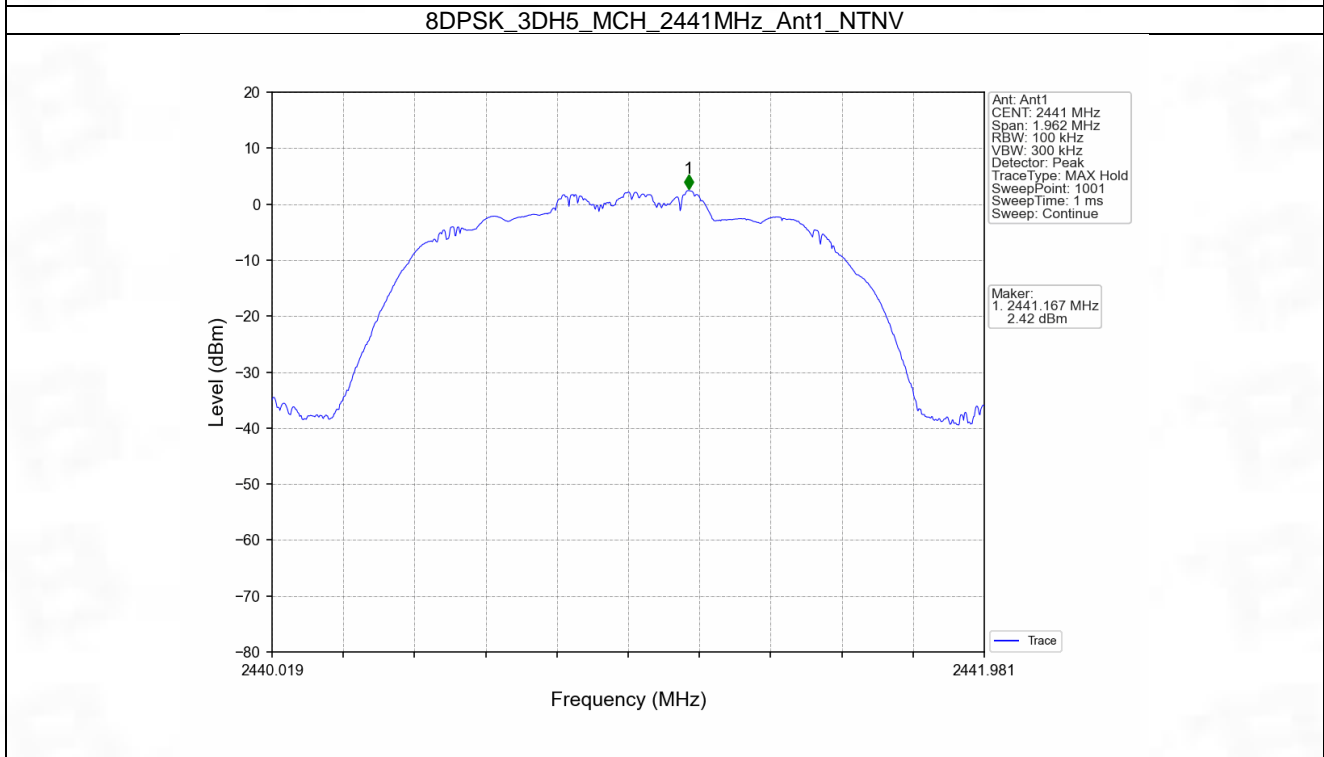
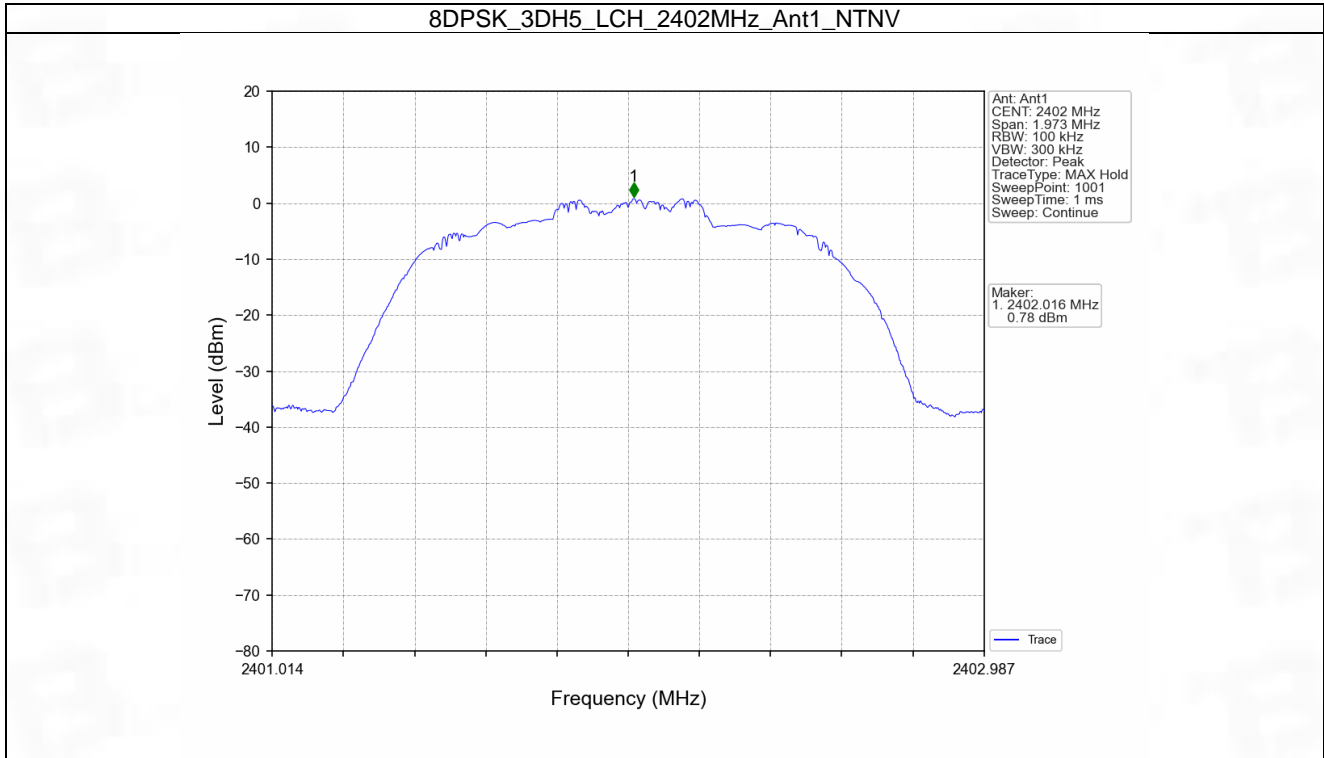
### 6.1.2 Test Graph

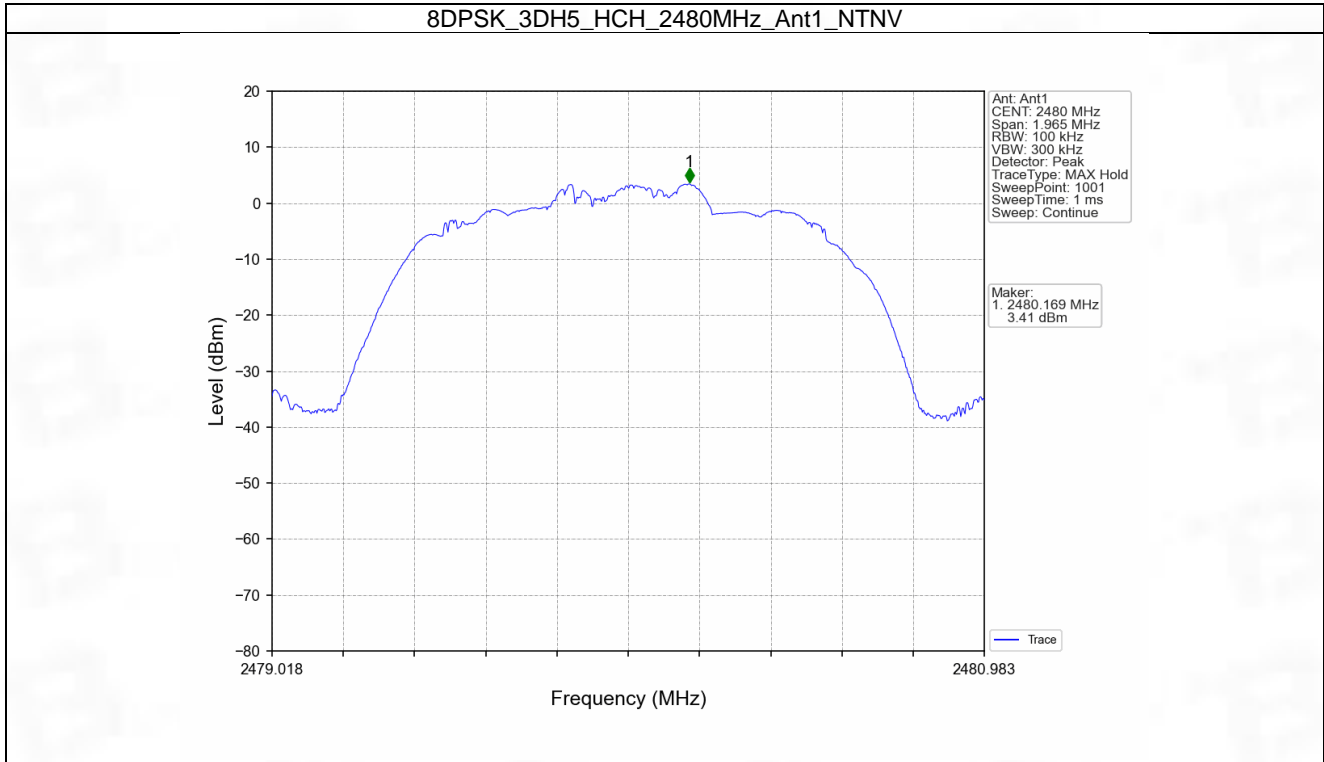












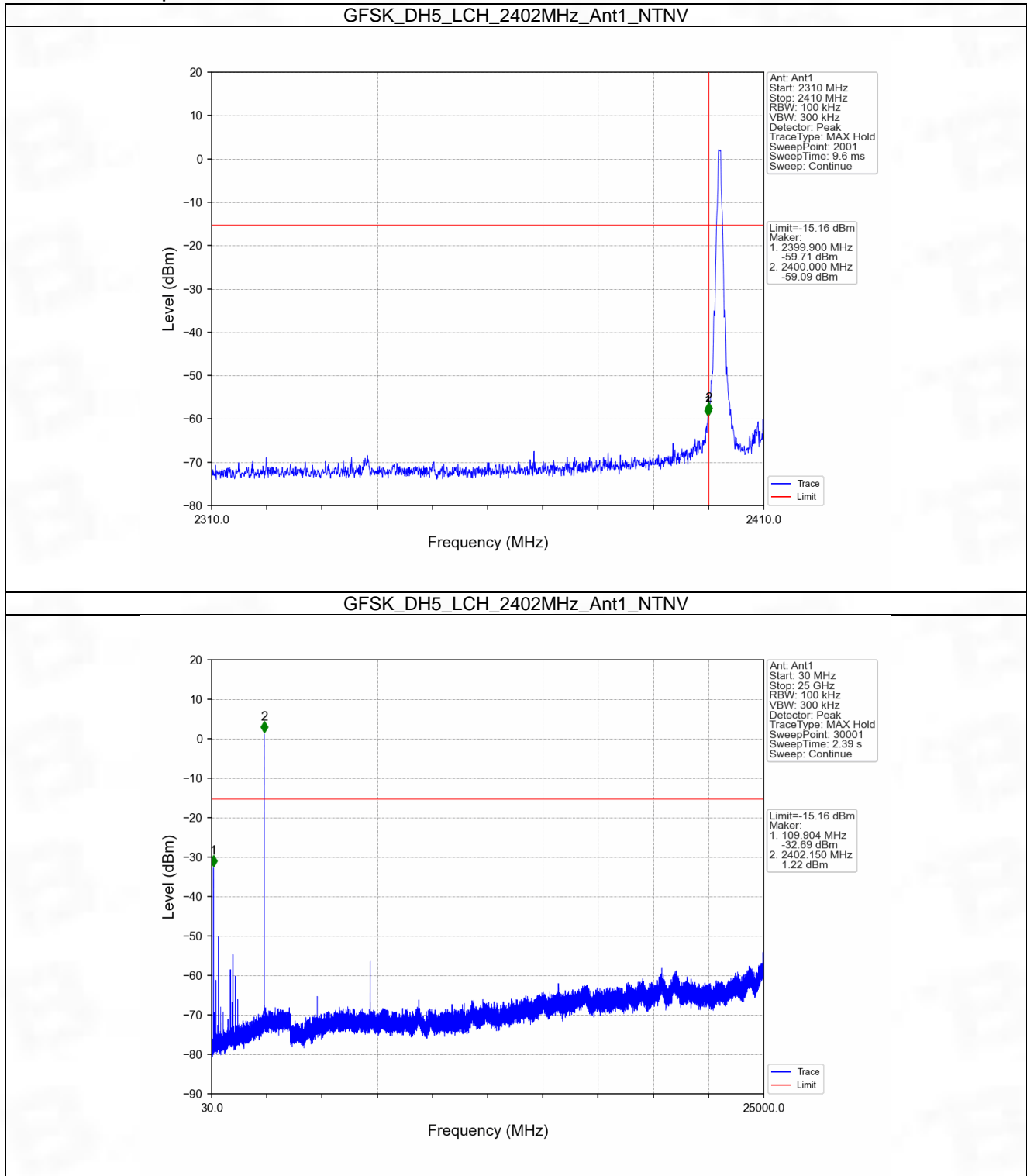
## 6.2 CSE

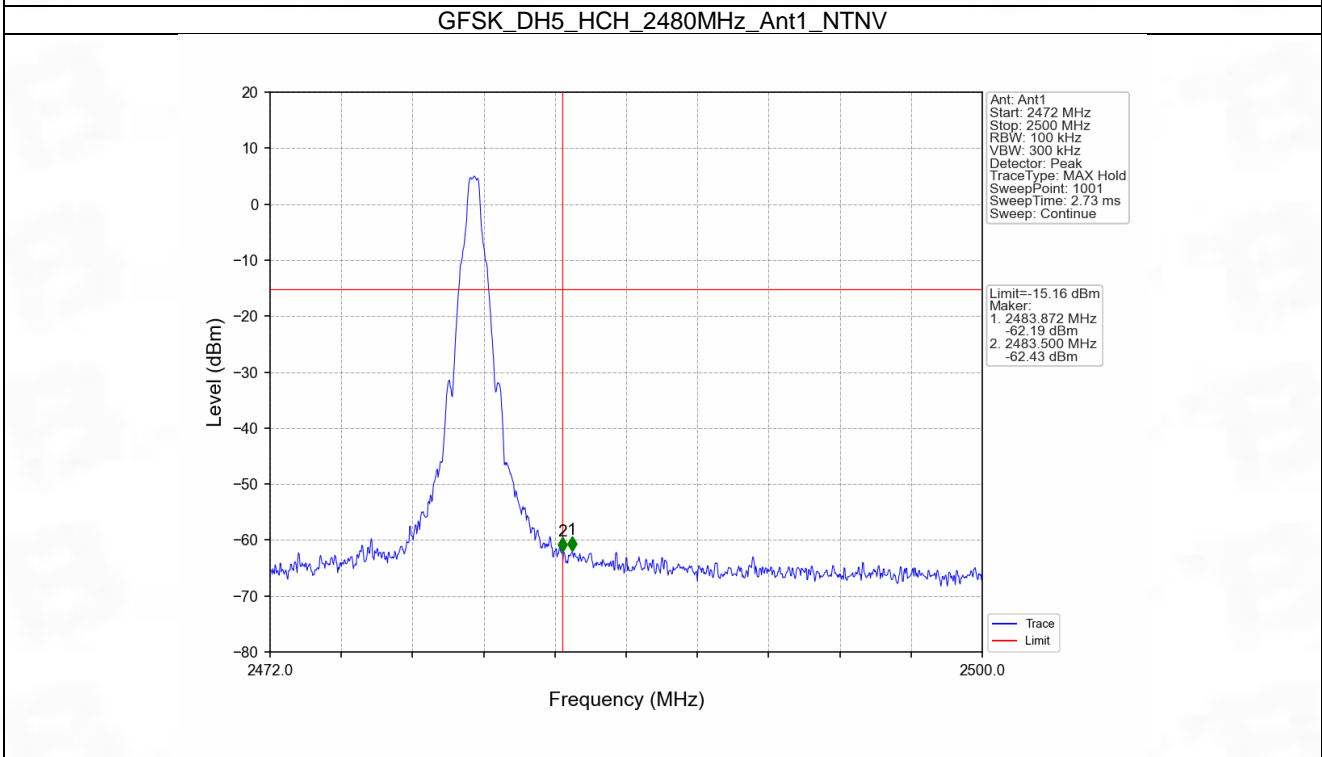
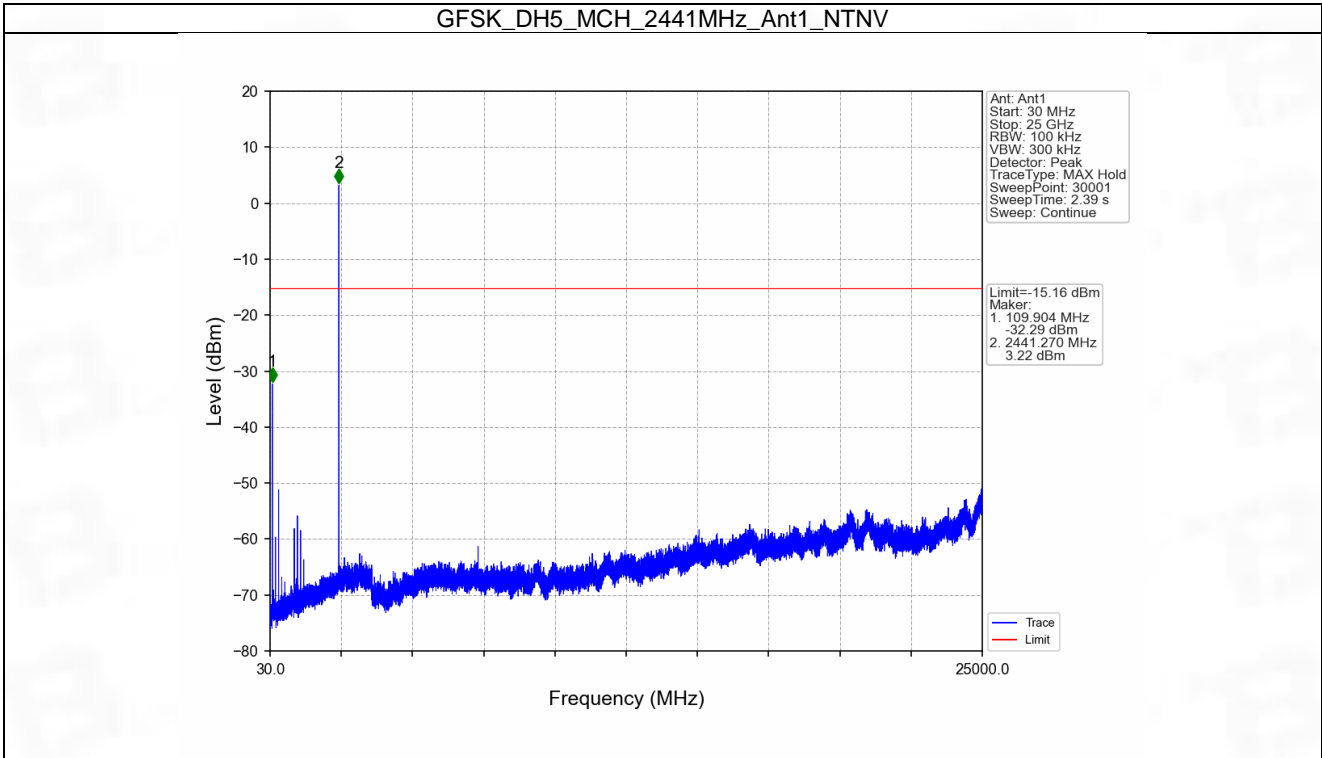
### 6.2.1 Test Result

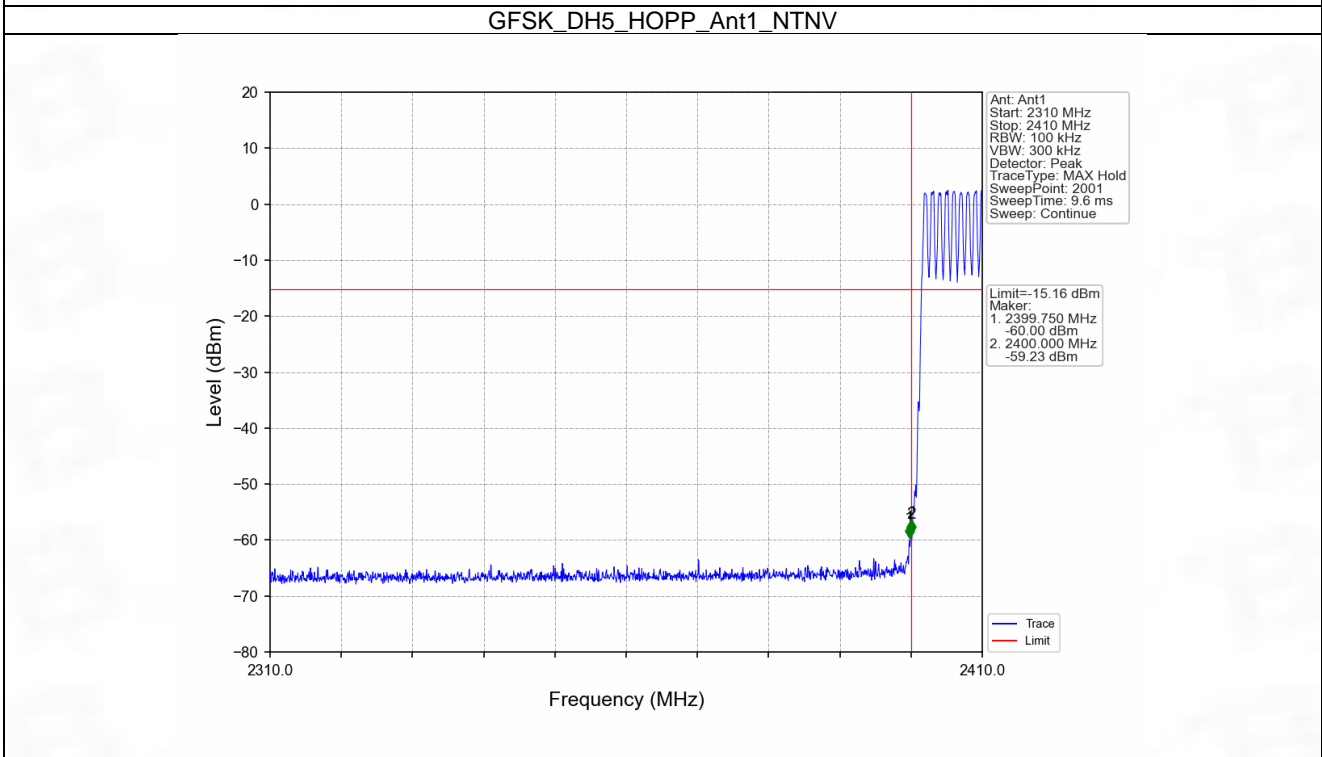
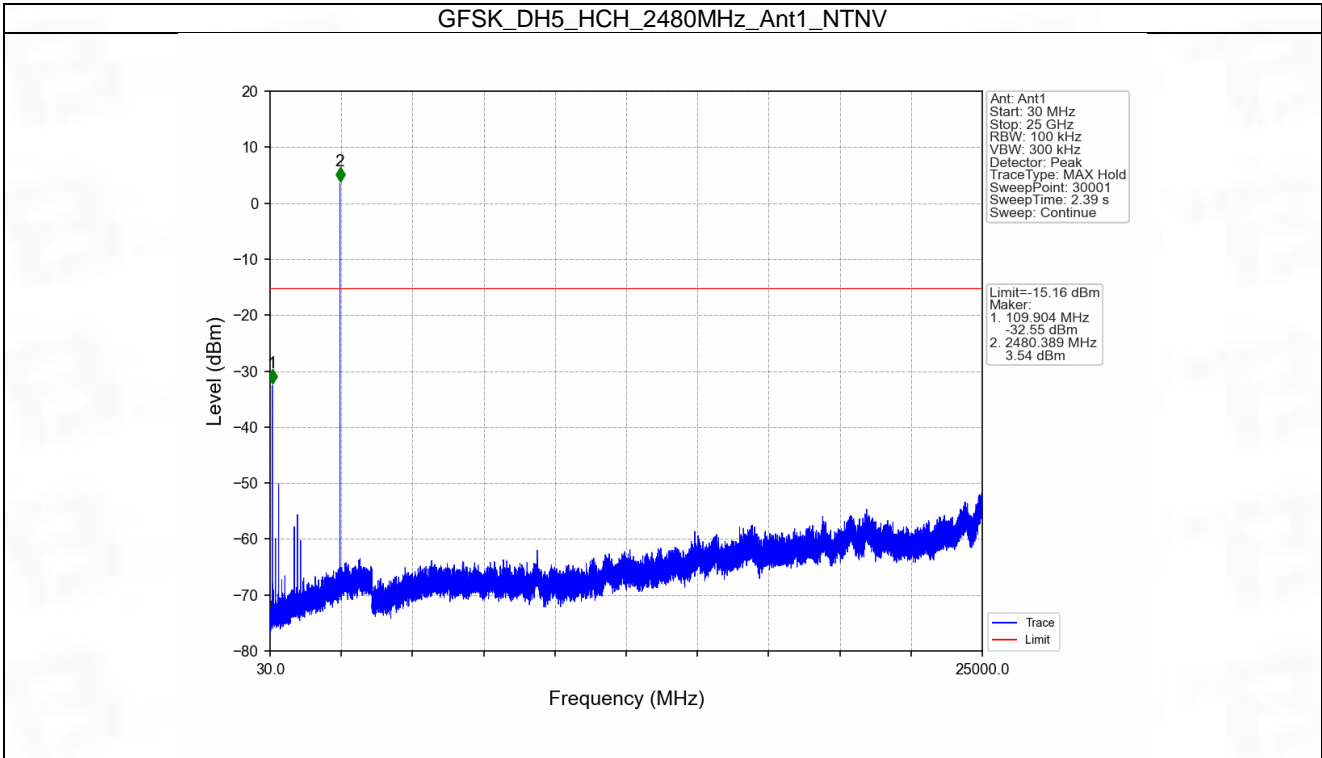
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	4.84	-15.16	Pass
		2441	DH5	1	4.84	-15.16	Pass
		2480	DH5	1	4.84	-15.16	Pass
		HOPP	DH5	1	4.84	-15.16	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	3.21	-16.79	Pass
		2441	2DH5	1	3.21	-16.79	Pass
		2480	2DH5	1	3.21	-16.79	Pass
		HOPP	2DH5	1	3.21	-16.79	Pass
8DPSK	SISO	2402	3DH5	1	3.41	-16.59	Pass
		2441	3DH5	1	3.41	-16.59	Pass
		2480	3DH5	1	3.41	-16.59	Pass
		HOPP	3DH5	1	3.41	-16.59	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.

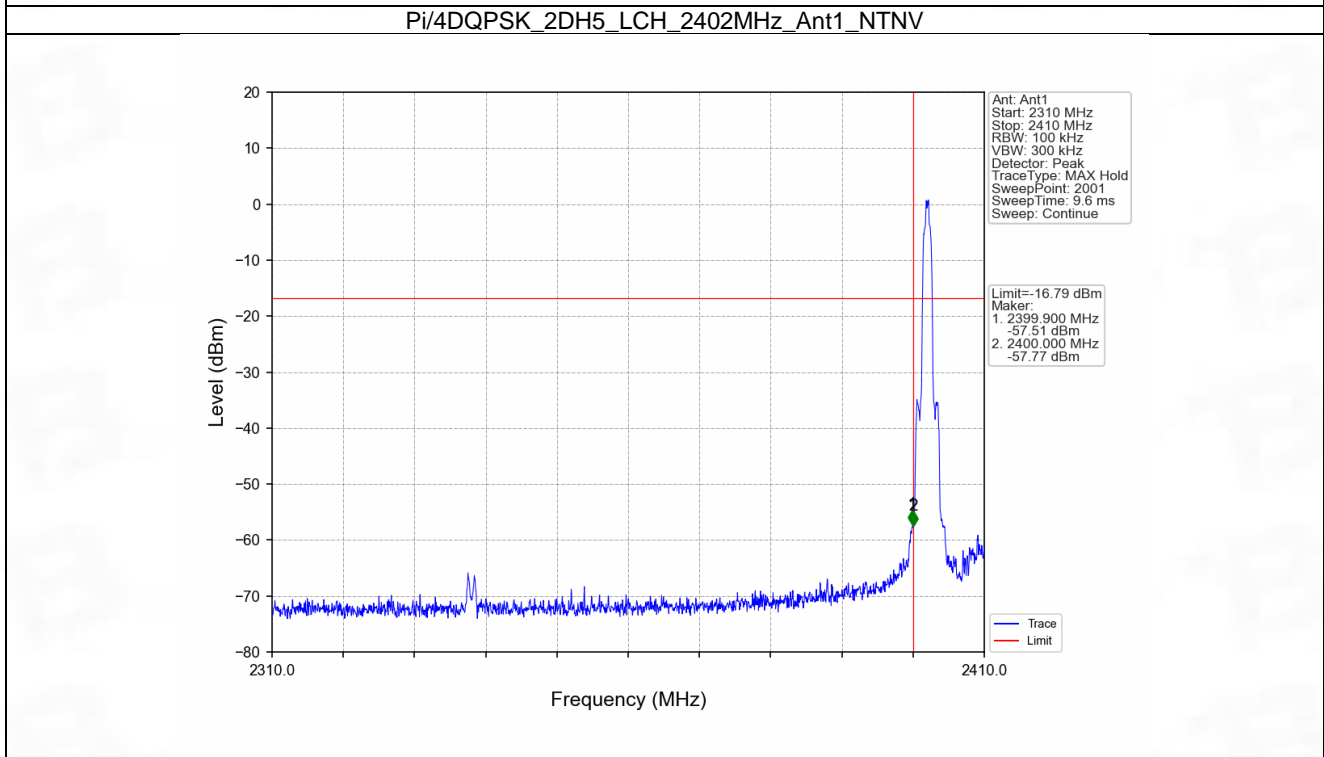
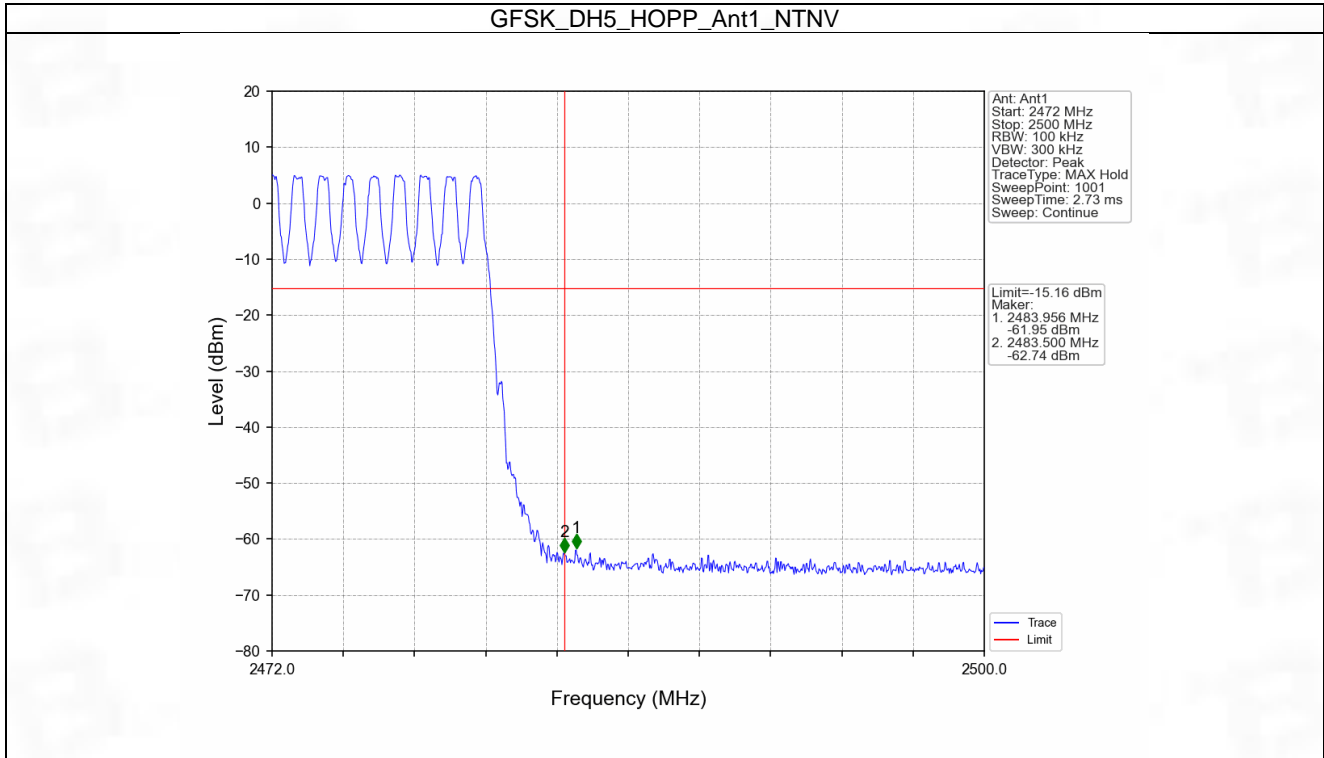
### 6.2.2 Test Graph

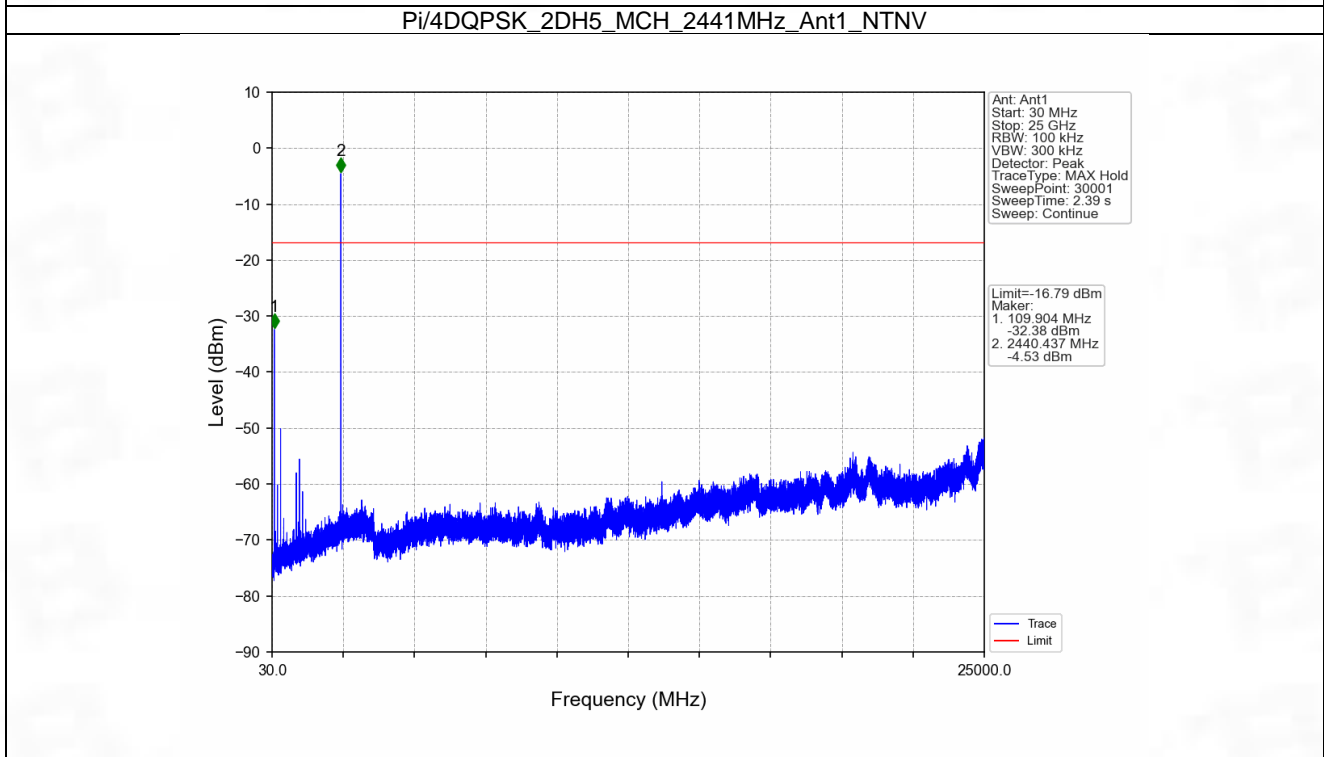
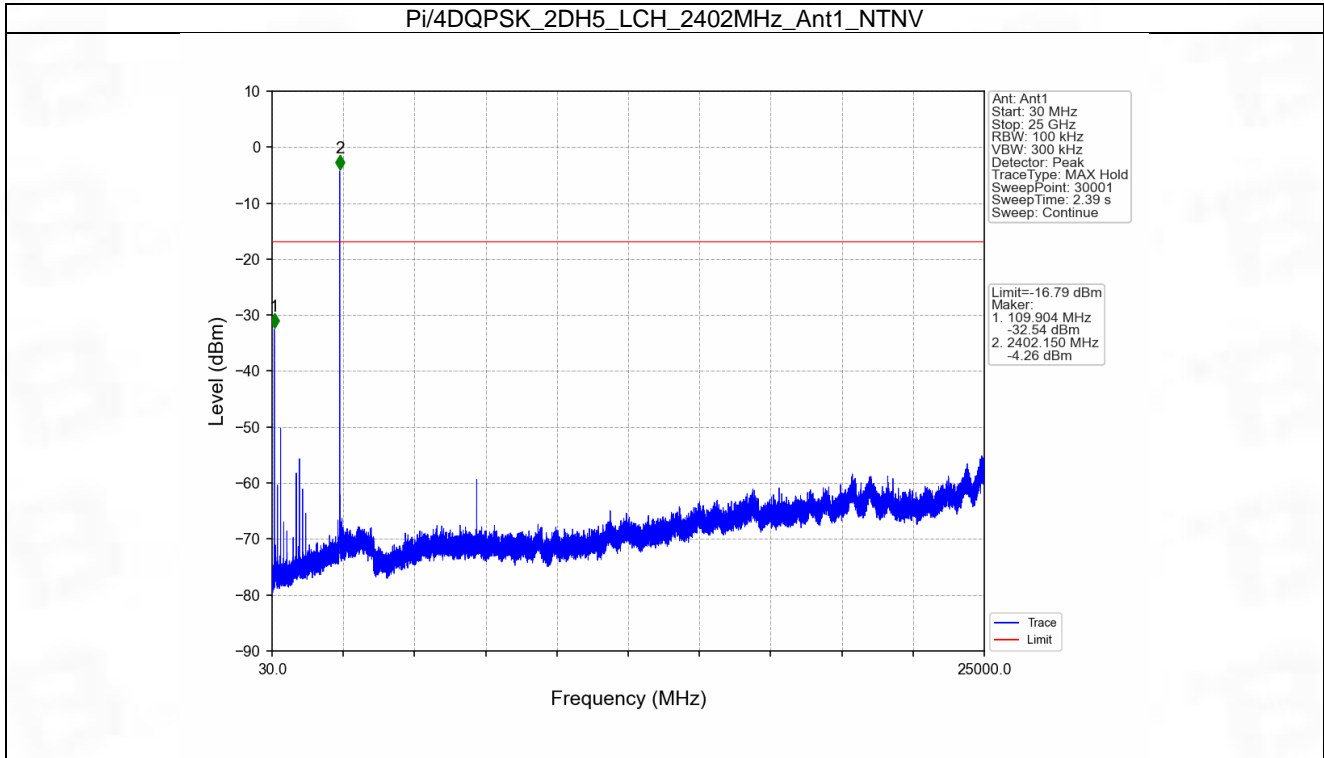


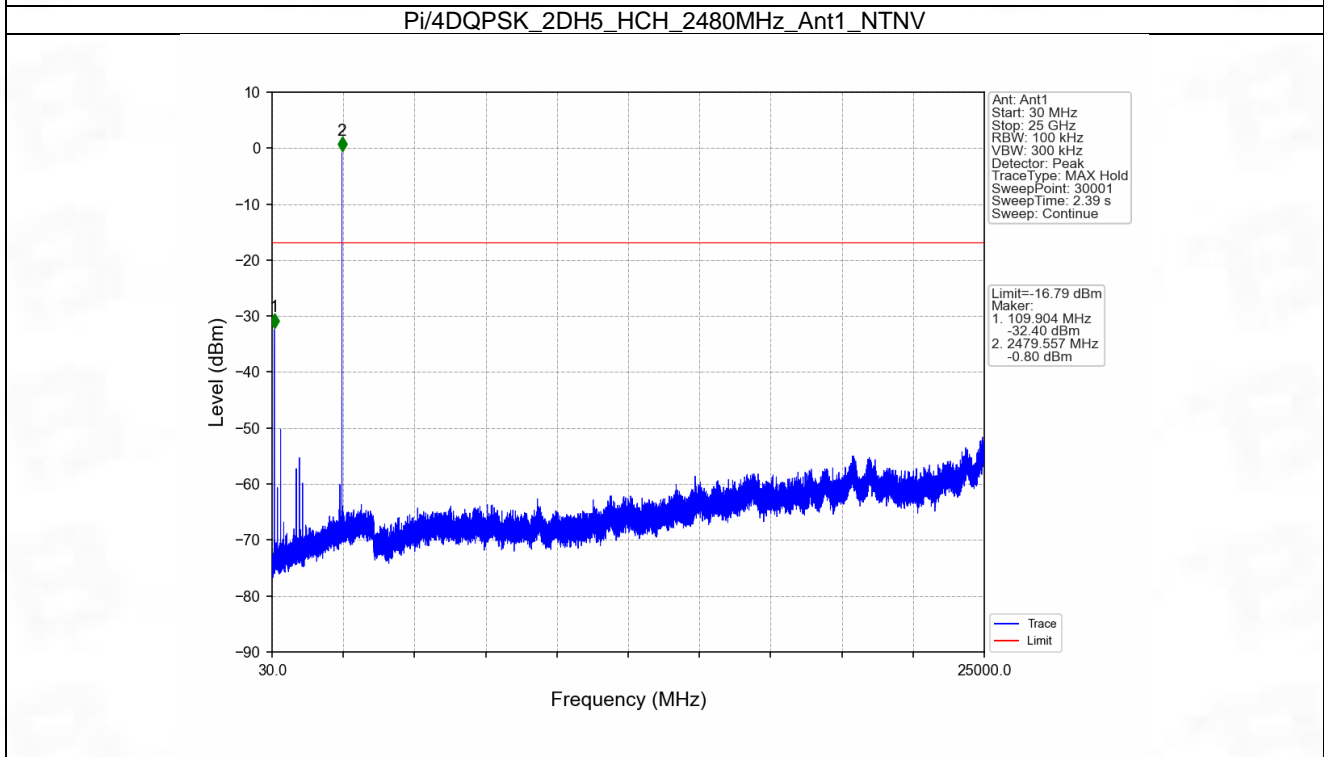
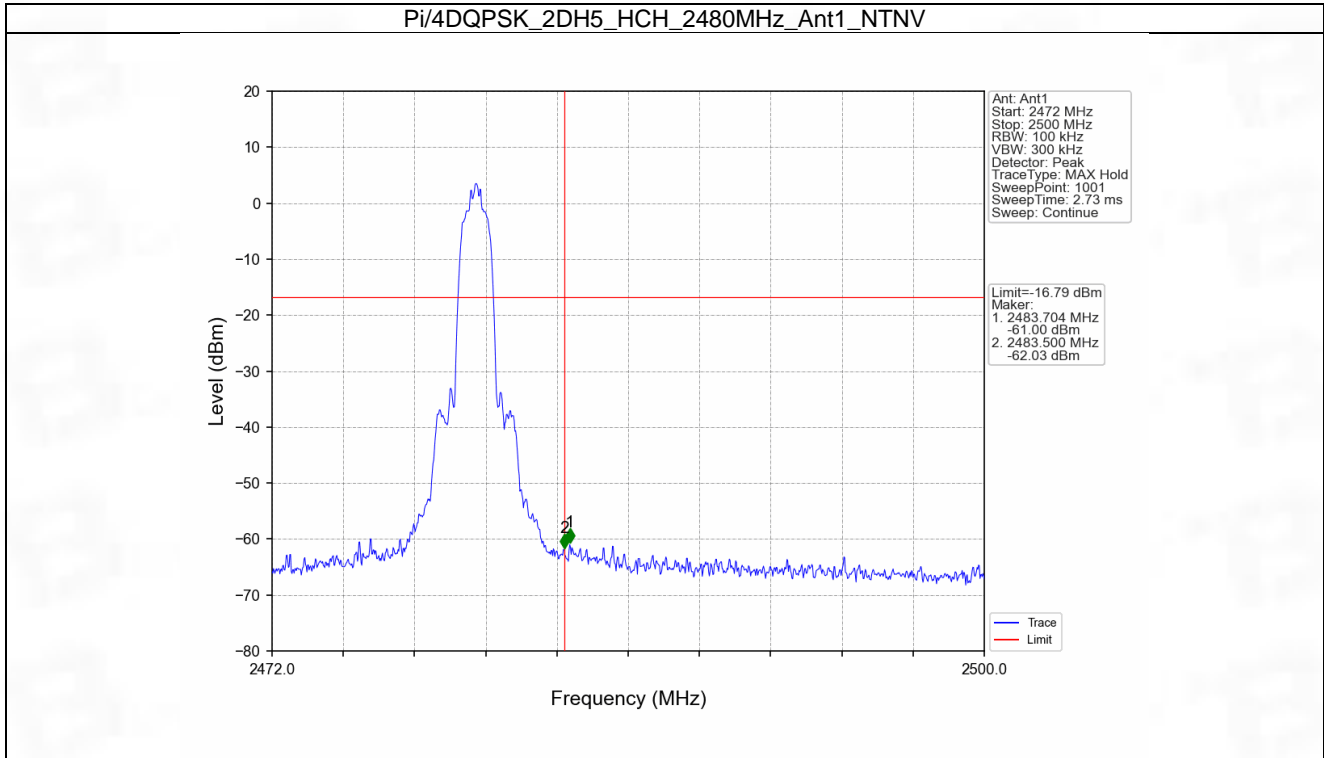


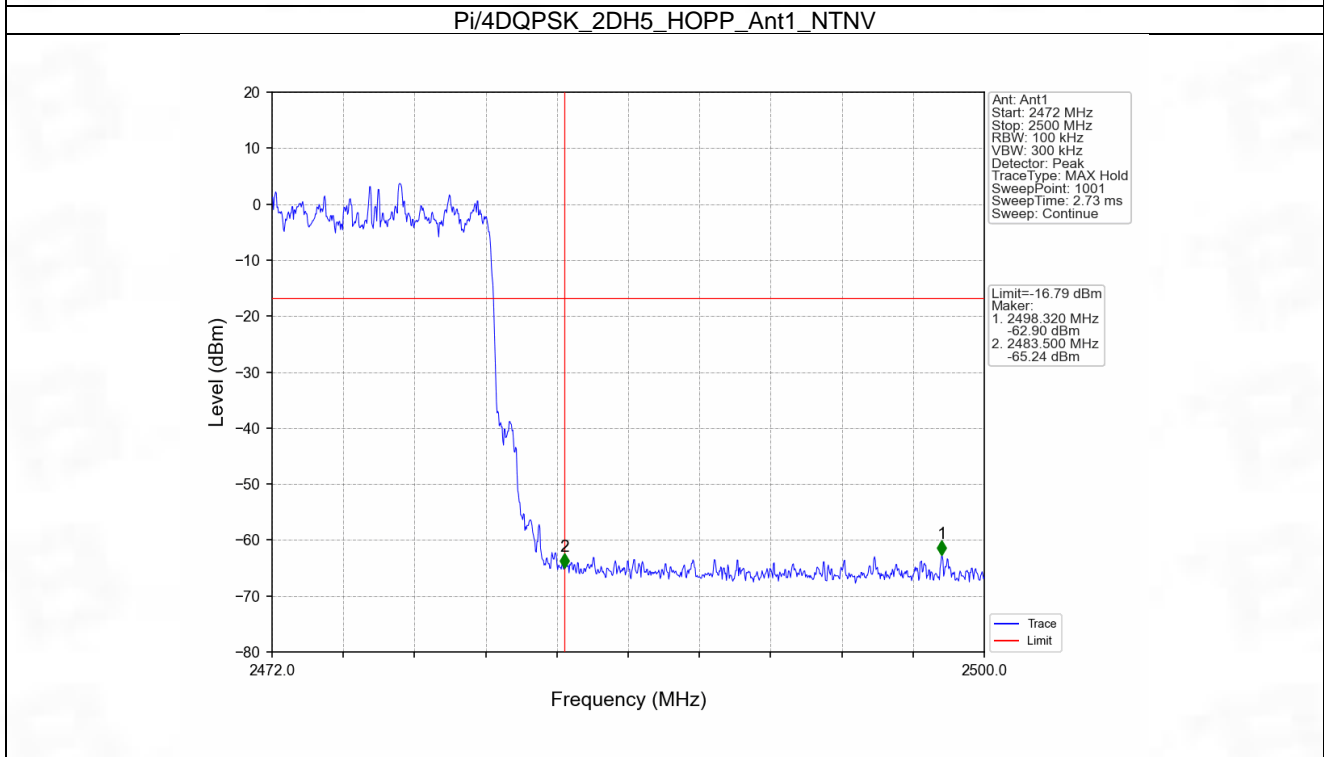
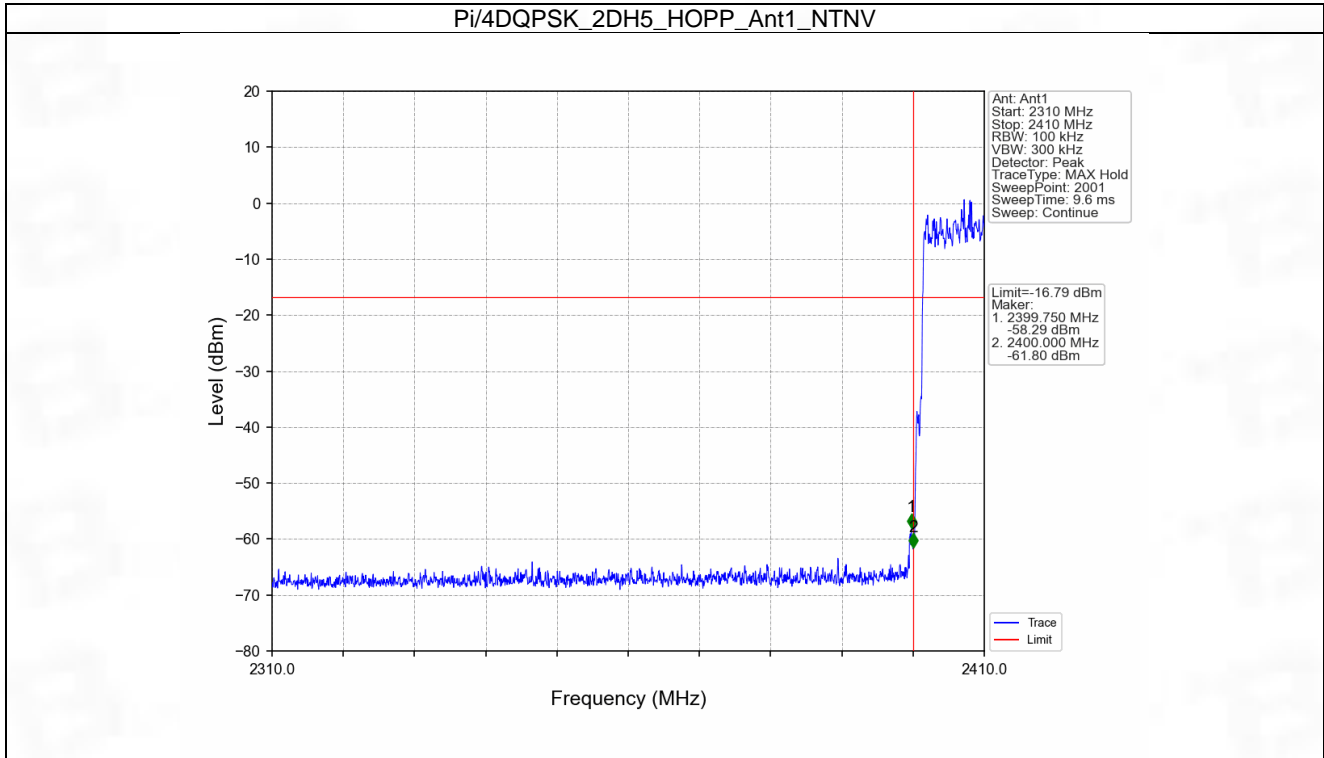


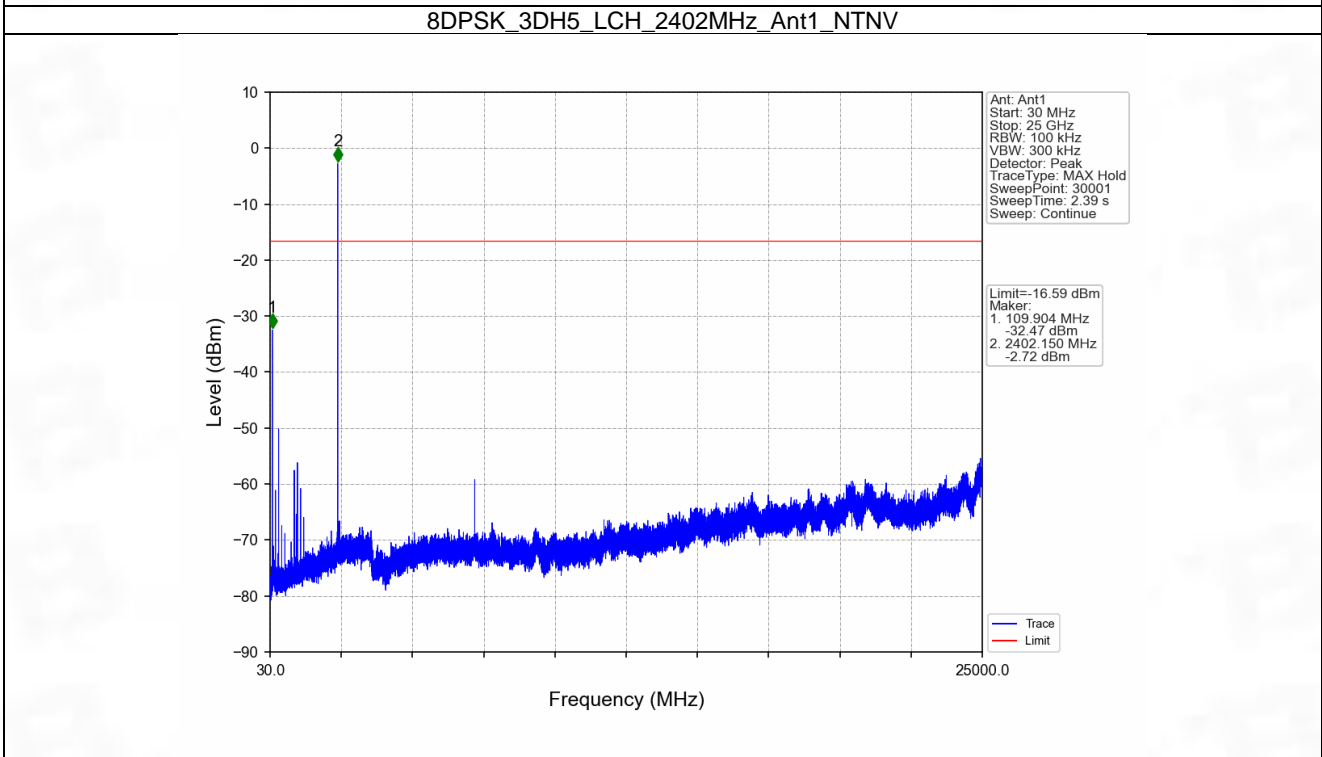
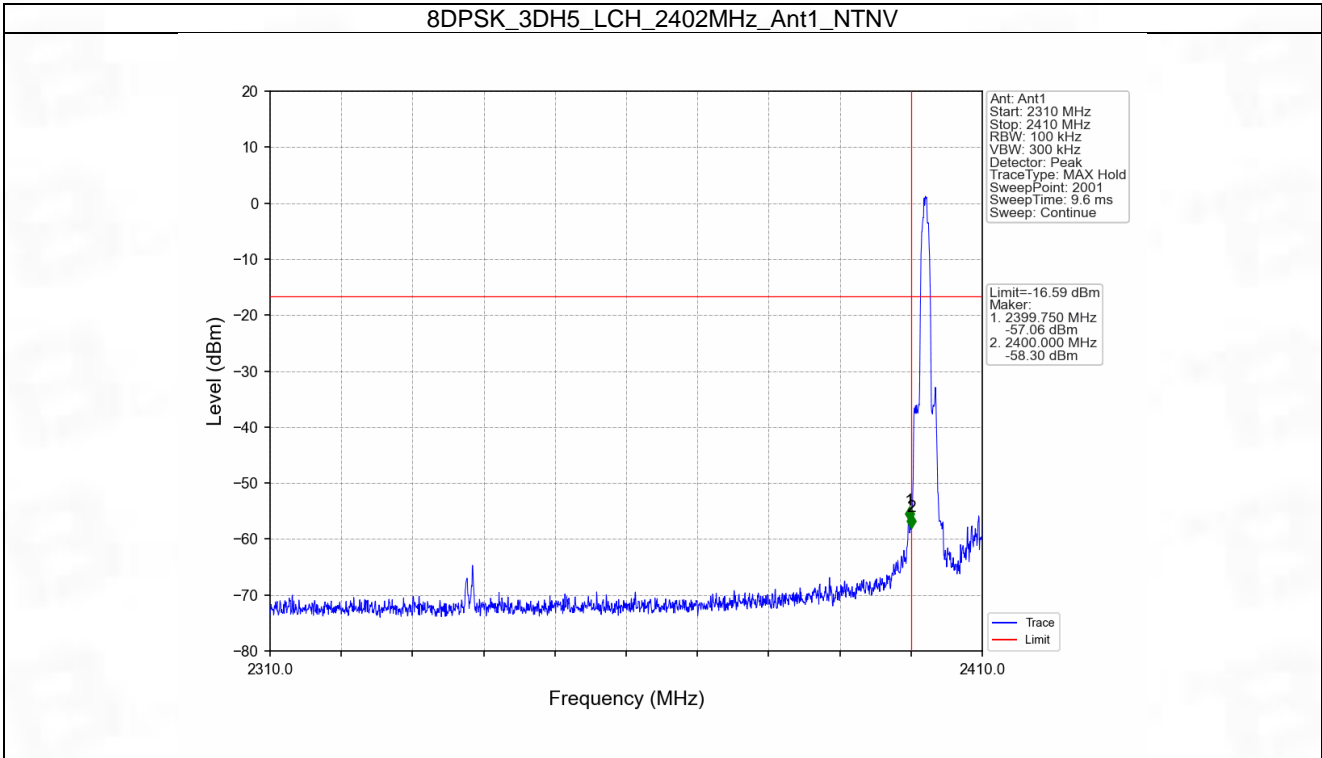


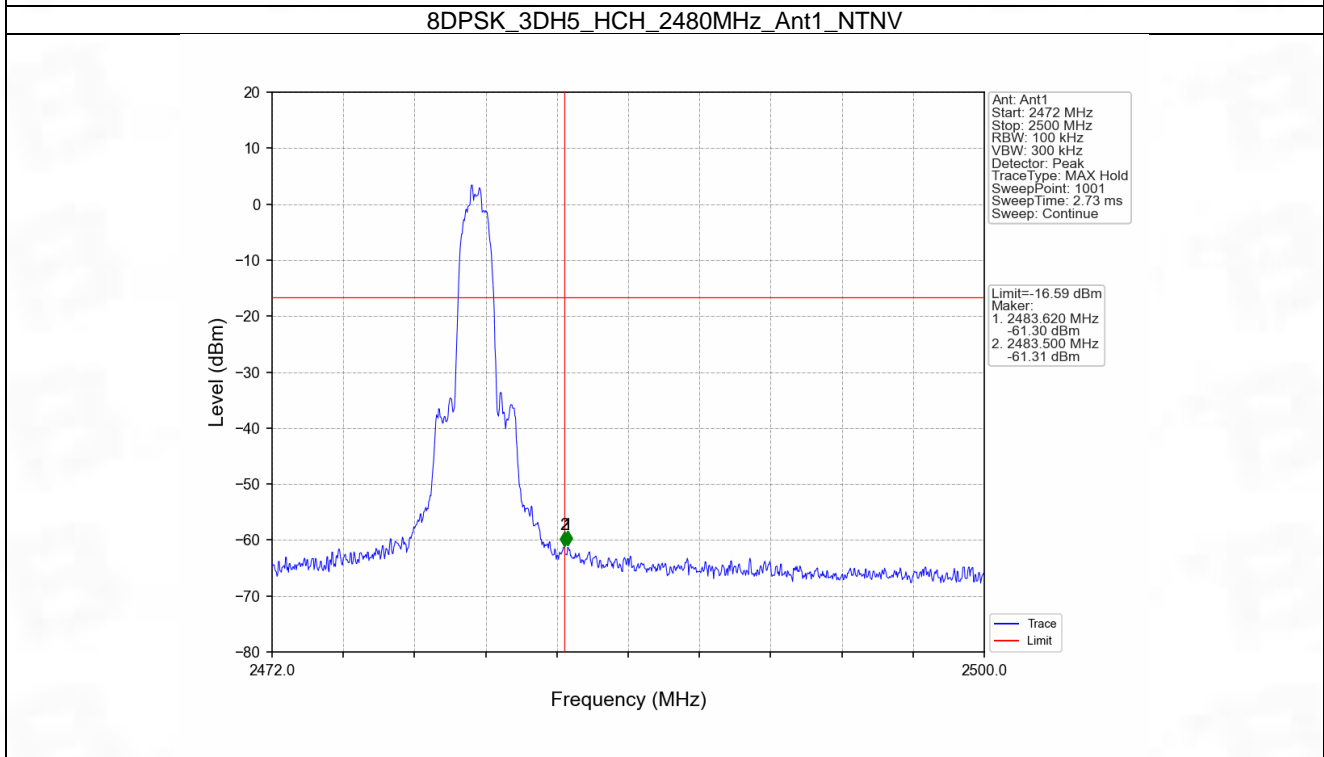
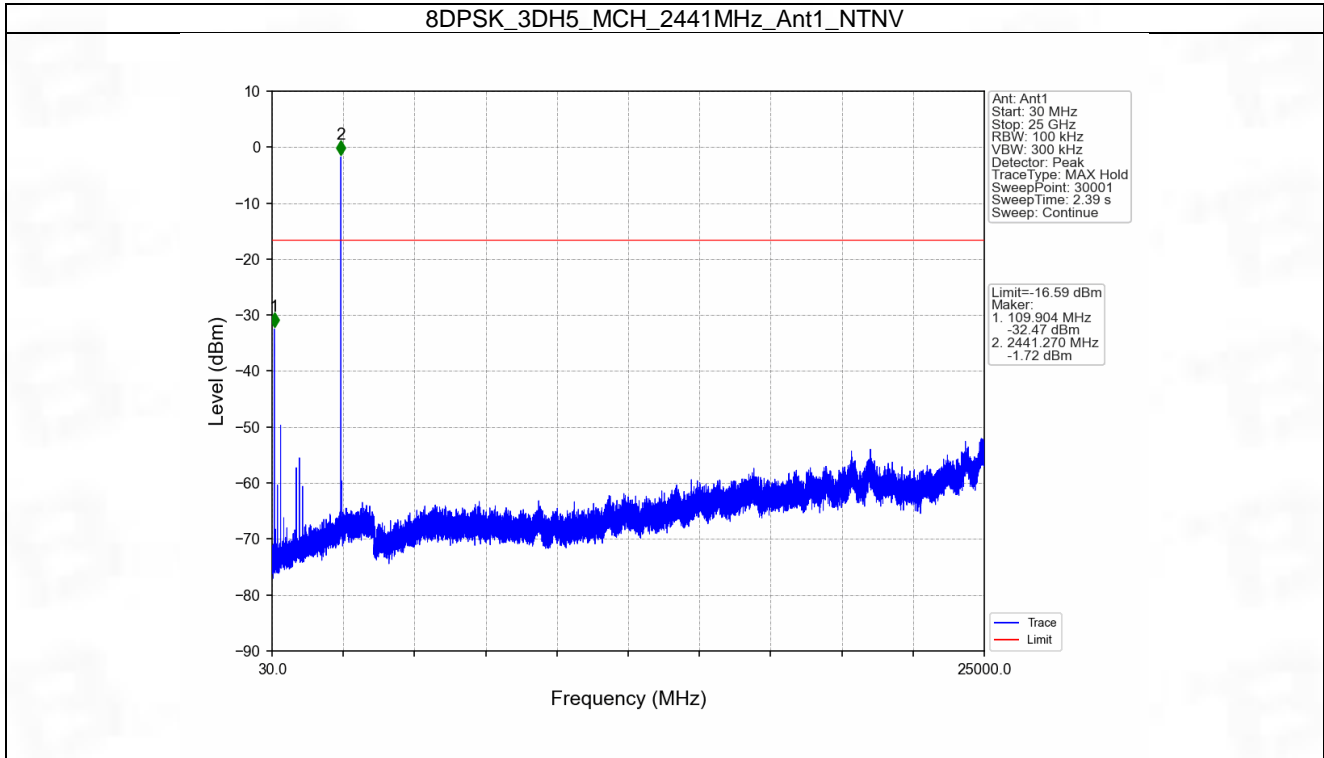


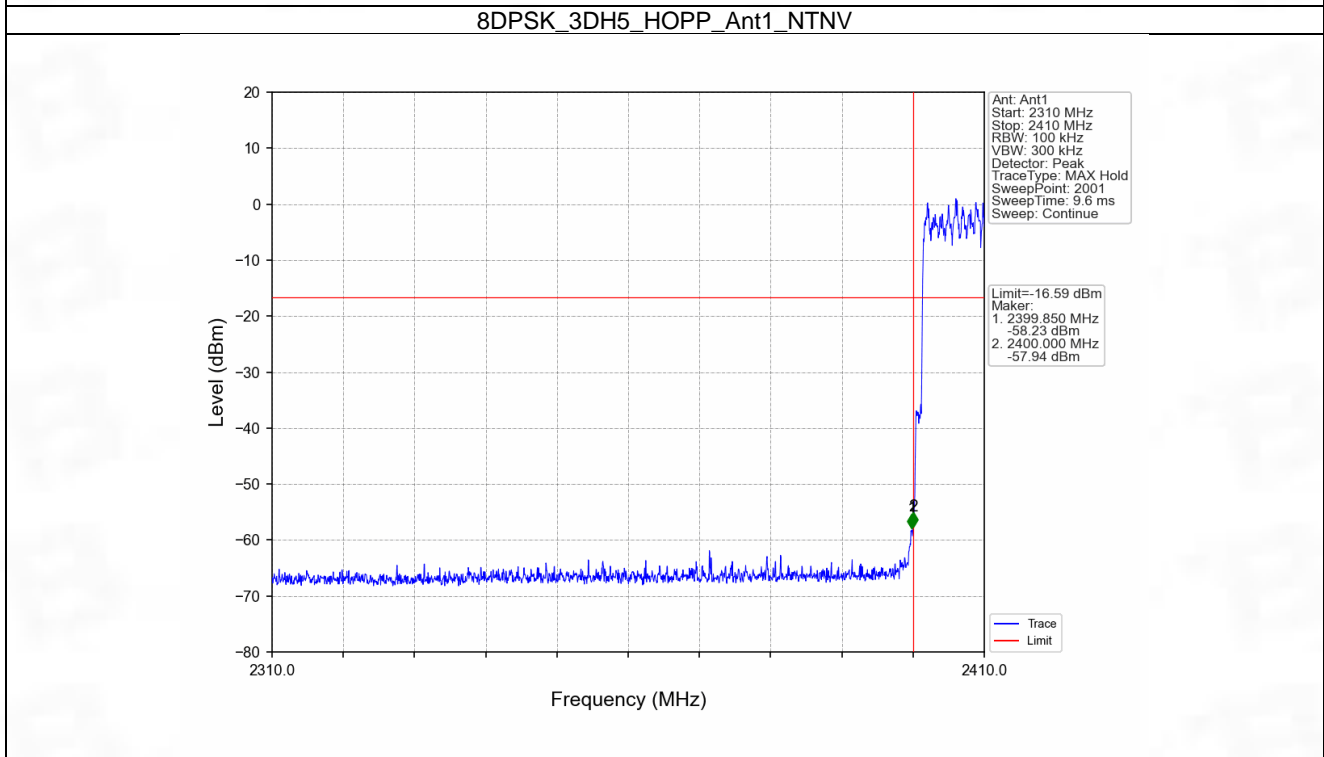
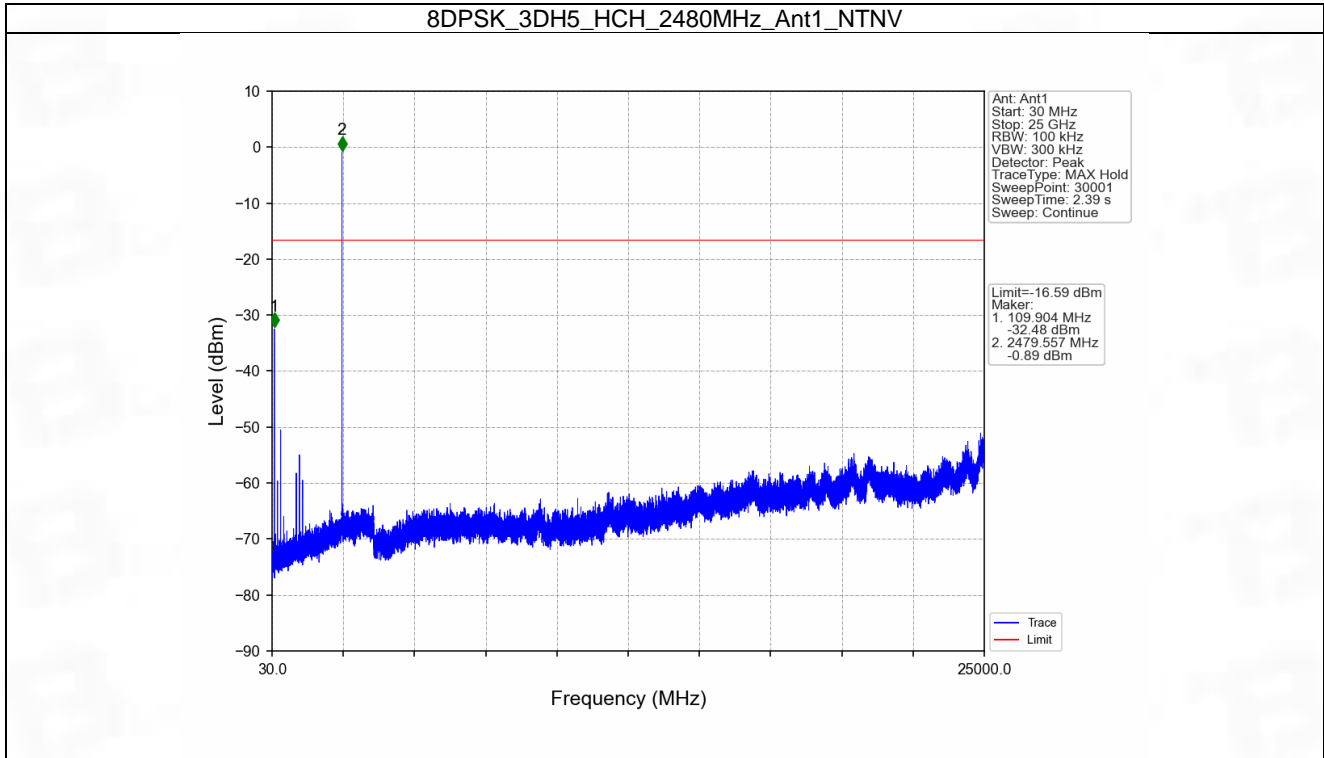


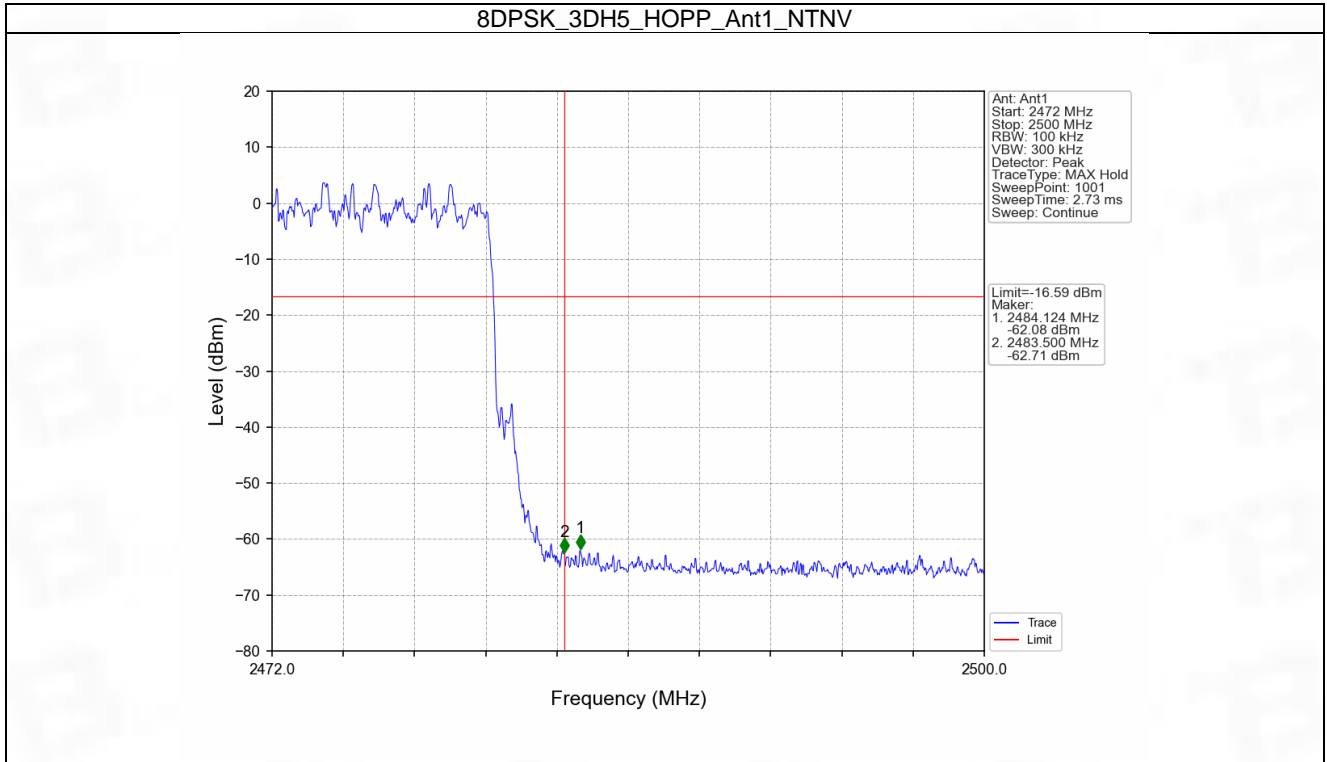














## 7. Form731

### 7.1 Form731

#### 7.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0033	5.13



Test Report Number: BTF230810R00501



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**-- END OF REPORT --**