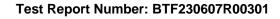




# **Appendix**

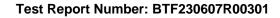




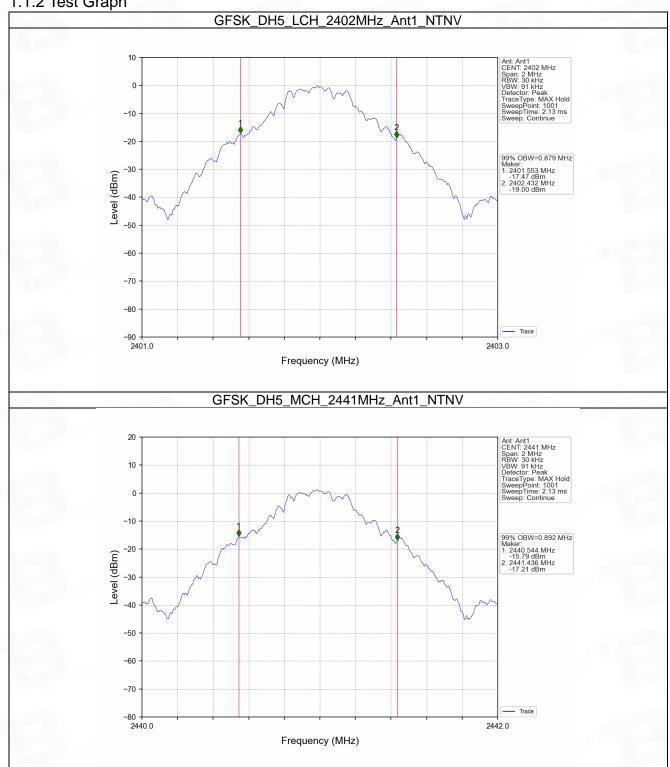
## 1. Bandwidth

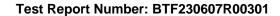
## 1.1 OBW

Title Took (Count								
Mode	TX	Frequency	Packet	ANT	99% Occupied Bandwidth (MHz)	Verdict		
Mode	Type	(MHz)	Type	ANI	Result	verdict		
	SISO	2402	DH5	1	0.879	Pass		
GFSK		2441	DH5	1	0.892	Pass		
		2480	DH5	1	0.900	Pass		
	SISO	2402	2DH5	1	1.179	Pass		
Pi/4DQPSK		2441	2DH5	1	1.185	Pass		
		2480	2DH5	1	1.189	Pass		
8DPSK	SISO	2402	3DH5	1	1.171	Pass		
		2441	3DH5	1	1.180	Pass		
		2480	3DH5	1	1.182	Pass		

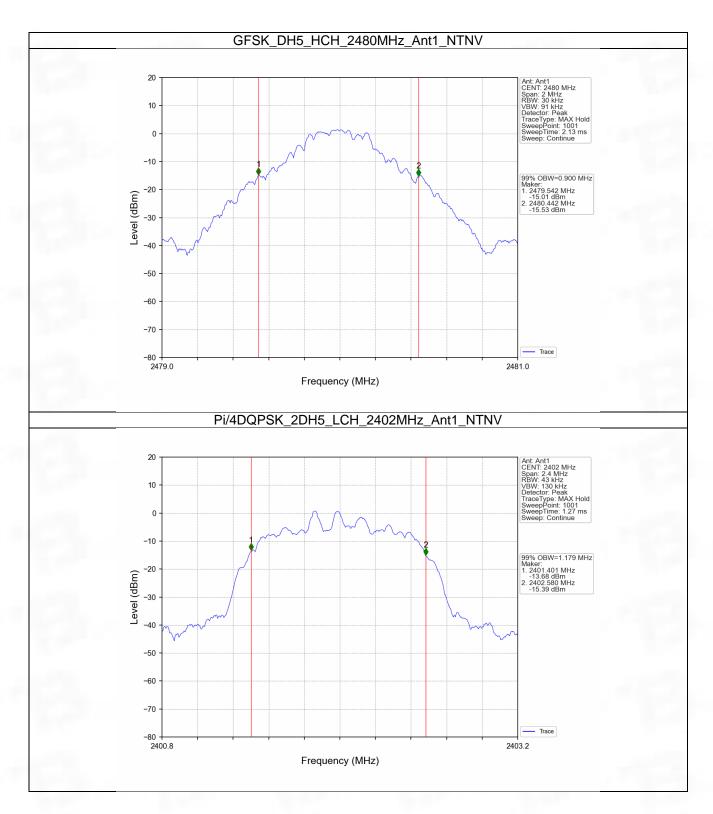


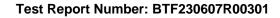




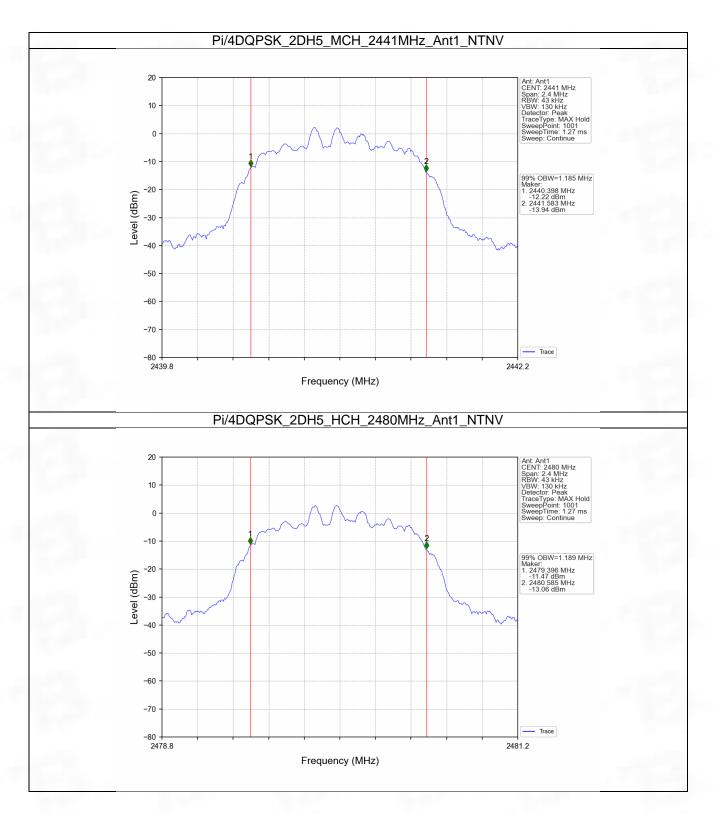


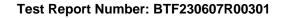




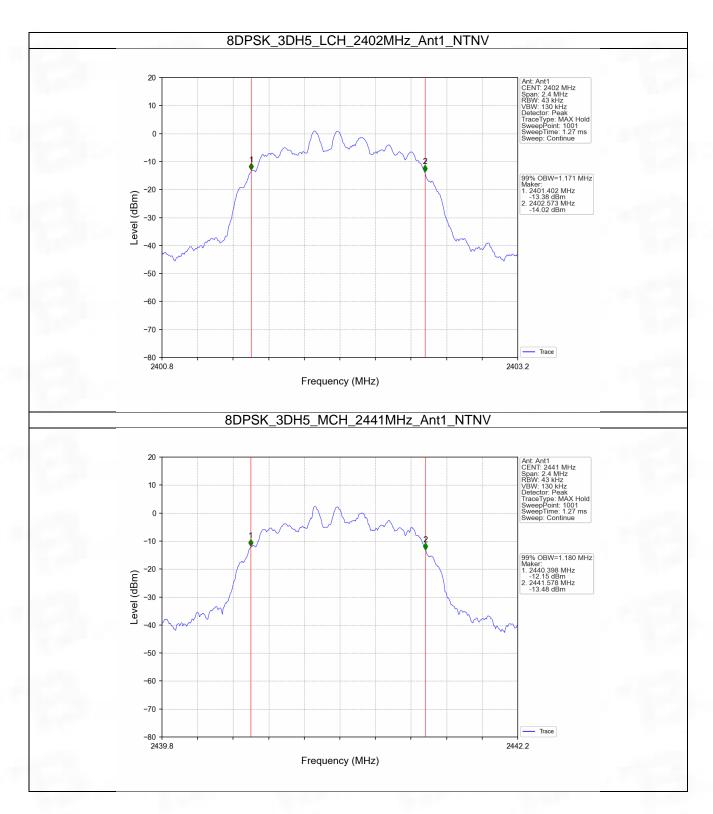


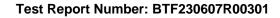




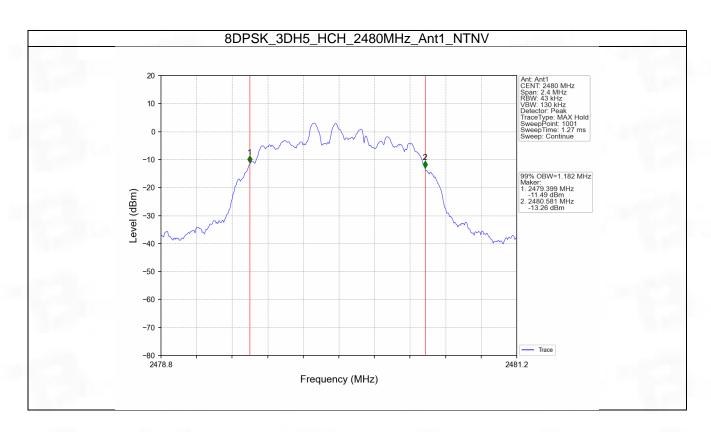


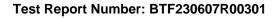








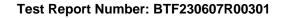






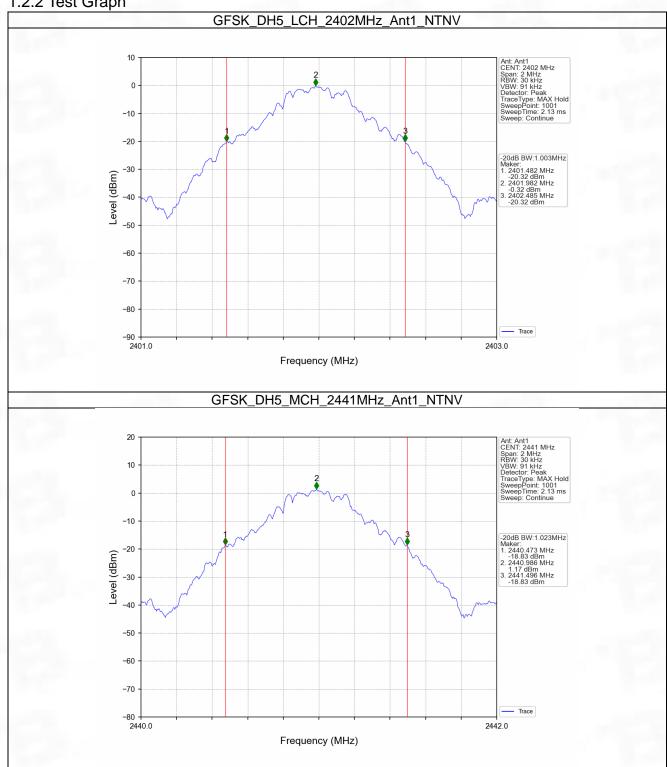
## 1.2 20dB BW

Mode	TX	Frequency	Packet	ANT	20dB Bandwidth (MHz)	\/ordigt
Mode	Type	(MHz)	Type ANT		Result	Verdict
		2402	DH5	1	1.003	Pass
GFSK	SISO	2441	DH5	1	1.023	Pass
		2480	DH5	1	1.027	Pass
	SISO	2402	2DH5	1	1.323	Pass
Pi/4DQPSK		2441	2DH5	1	1.328	Pass
		2480	2DH5	1	1.330	Pass
8DPSK	SISO	2402	3DH5	1	1.309	Pass
		2441	3DH5	1	1.317	Pass
		2480	3DH5	1	1.332	Pass

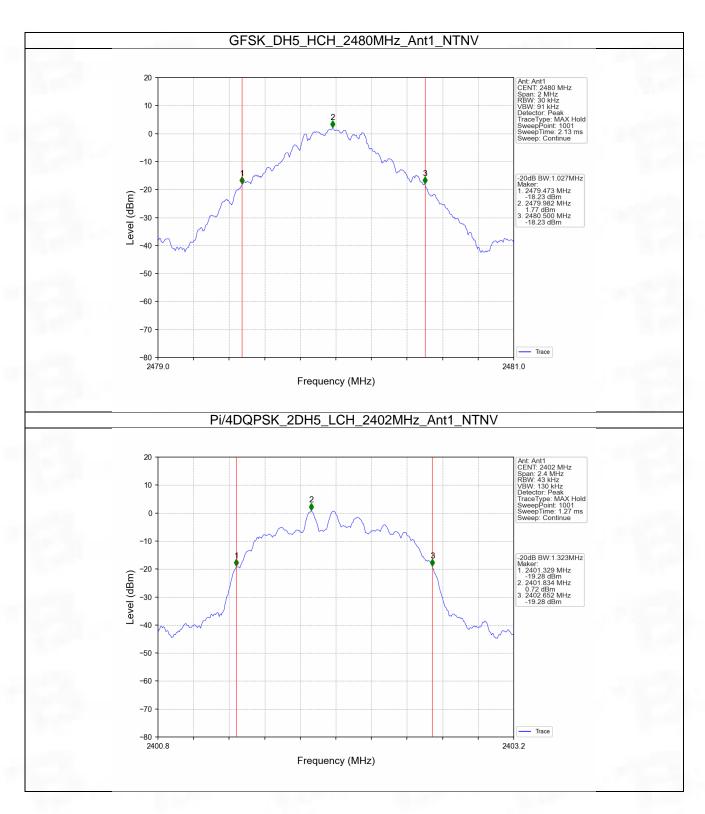


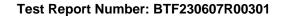




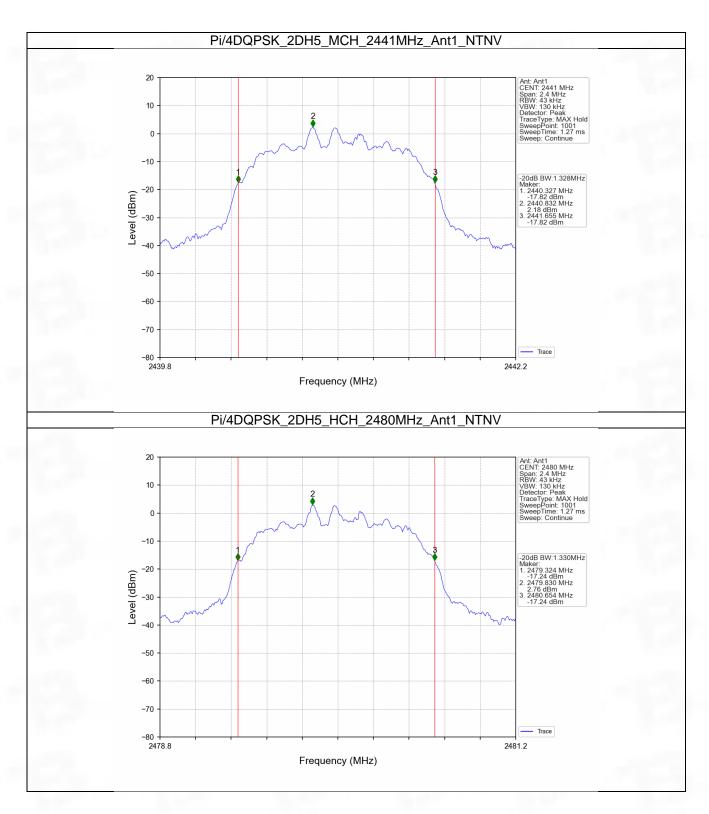


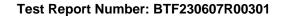




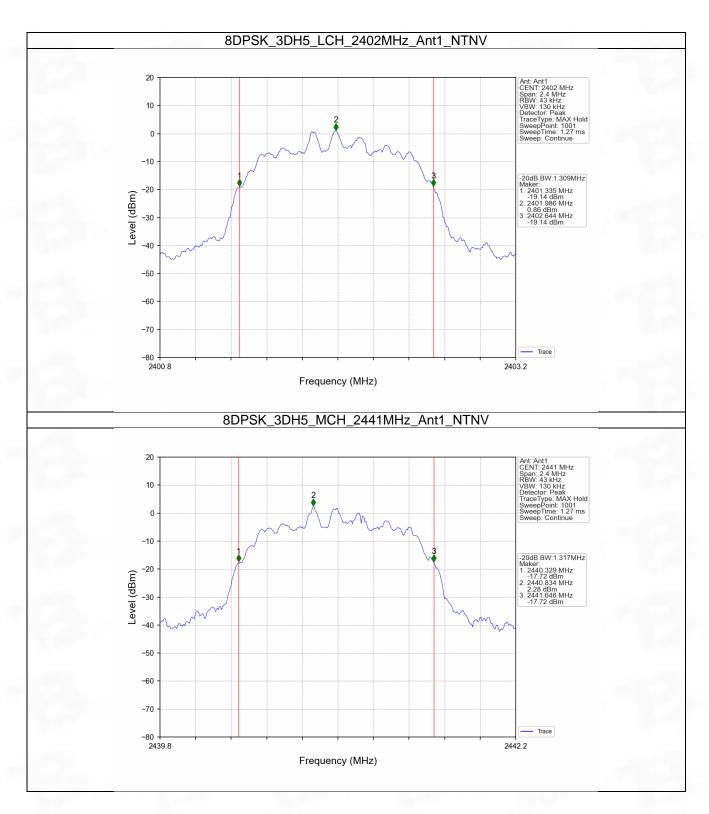


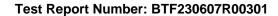




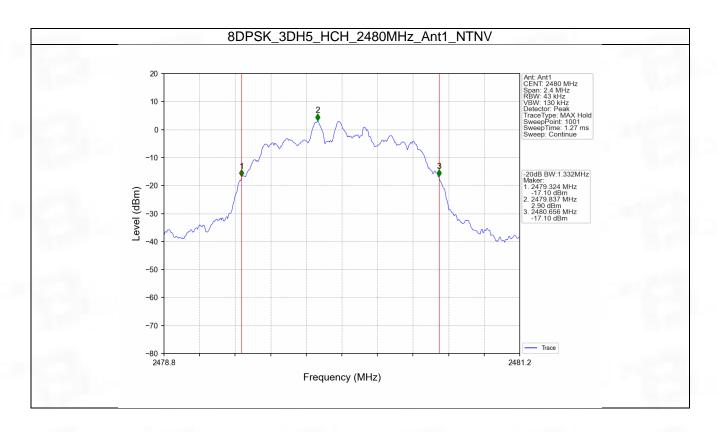


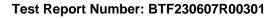










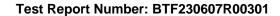




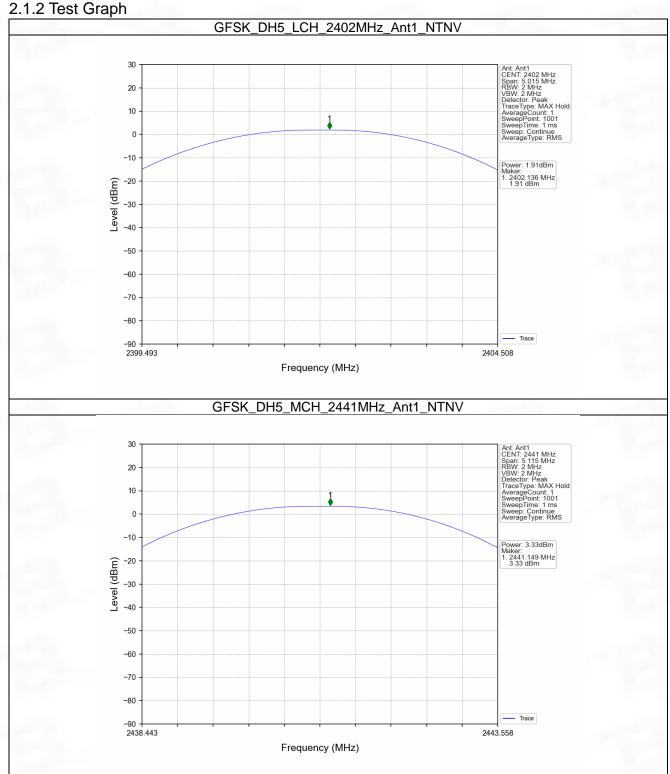
# 2. Maximum Conducted Output Power

#### 2.1 Power

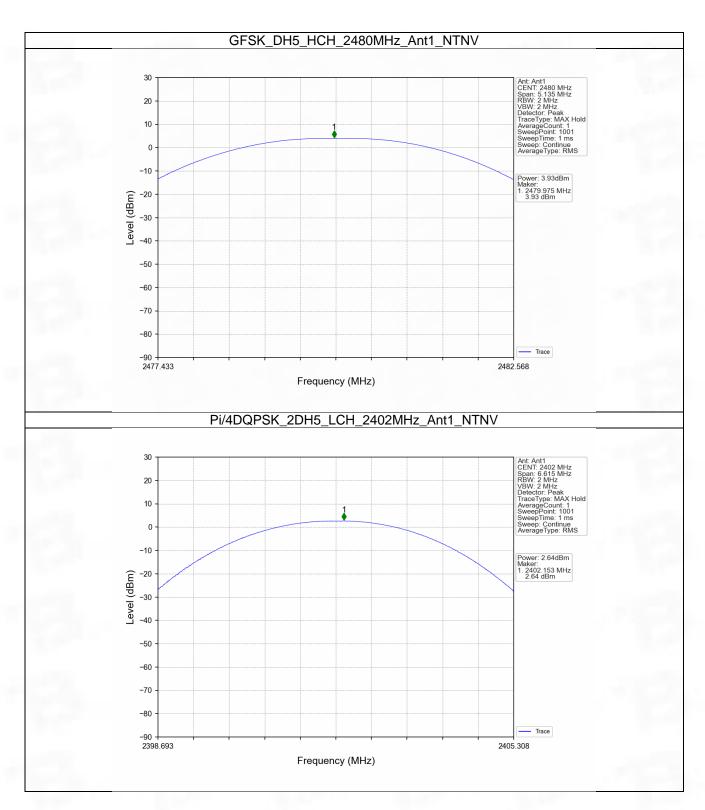
Mode	TX Type	Frequency	Packet Type	Maximum Peak Cone (dE	Verdict		
		(MHz)		ANT1	Limit		
GFSK	SISO	2402	DH5	1.91	<=20.97	Pass	
		2441	DH5	3.33	<=20.97	Pass	
		2480	DH5	3.93	<=20.97	Pass	
	SISO	2402	2DH5	2.64	<=20.97	Pass	
Pi/4DQPSK		2441	2DH5	4.01	<=20.97	Pass	
		2480	2DH5	4.60	<=20.97	Pass	
8DPSK	SISO		2402	3DH5	2.83	<=20.97	Pass
		2441	3DH5	4.16	<=20.97	Pass	
		2480	3DH5	4.83	<=20.97	Pass	
Note1: Antenn	na Gain: Ar	nt1: 4.34dBi;					



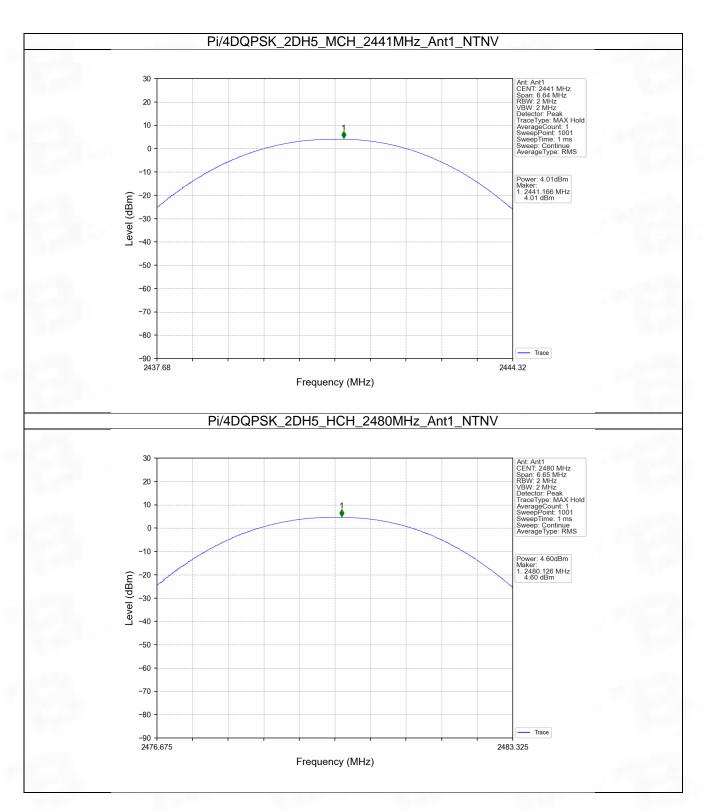




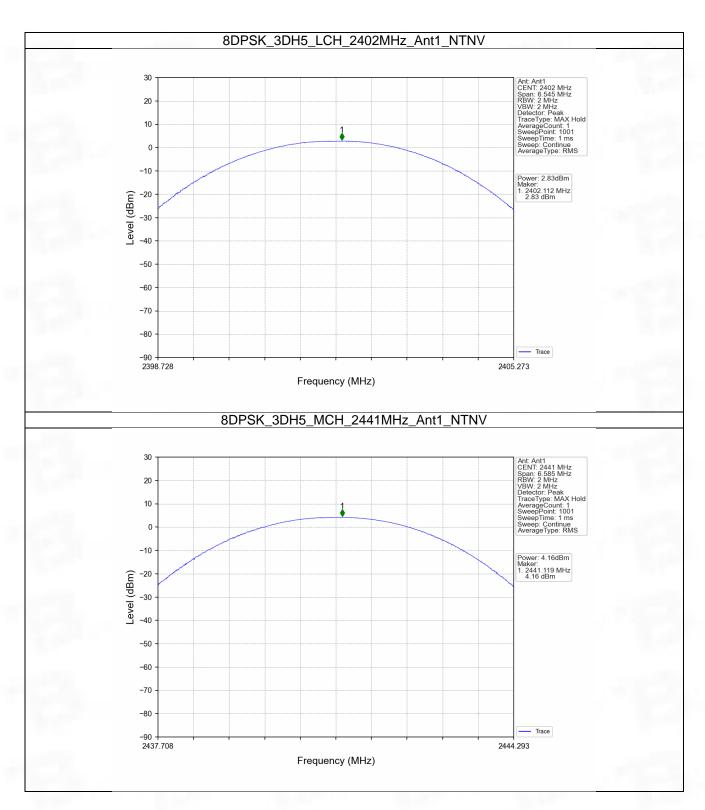




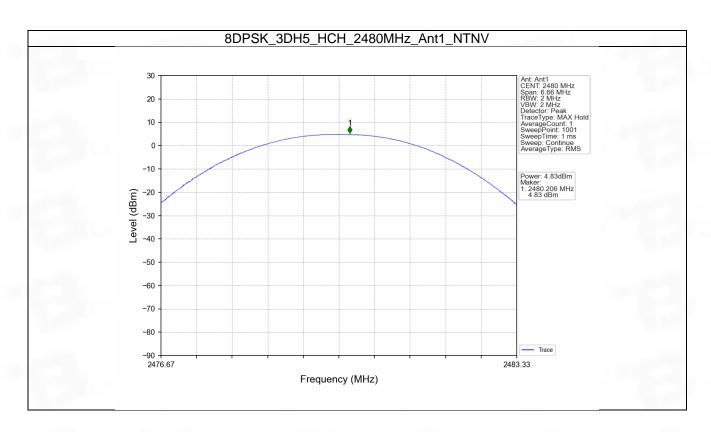


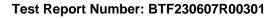










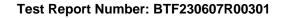




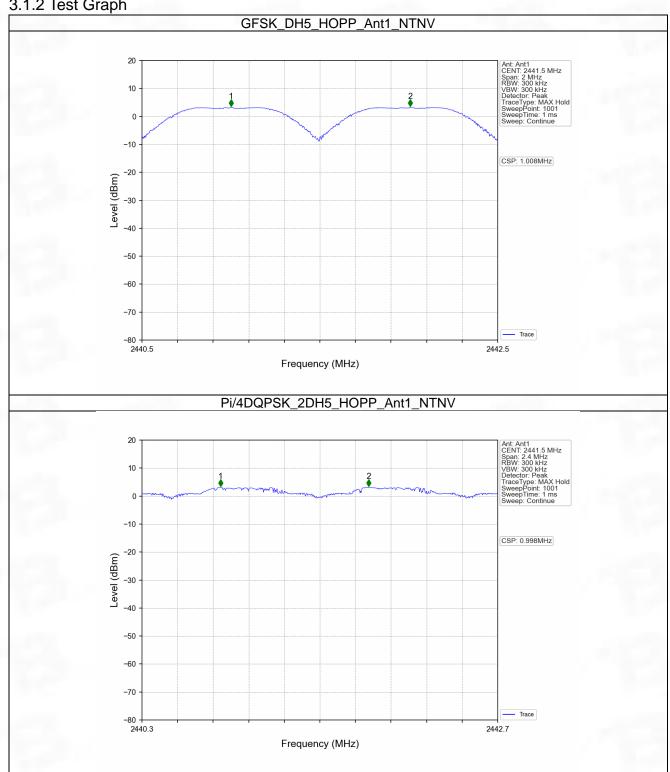
# 3. Carrier Frequency Separation

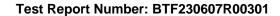
## 3.1 Ant1

Ant1								
Mode	TX	Frequency	Packet	Channel Separation	20dB Bandwidth	Limit	Verdict	
	Type	(MHz)	Type	(MHz)	(MHz)	(MHz)	verdict	
GFSK	SISO	HOPP	DH5	1.008	1.027	>=0.685	Pass	
Pi/4DQPSK	SISO	HOPP	2DH5	0.998	1.330	>=0.887	Pass	
8DPSK	SISO	HOPP	3DH5	0.996	1.332	>=0.888	Pass	

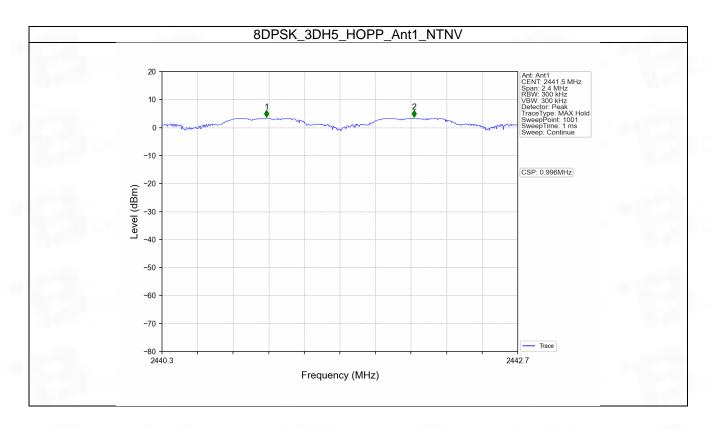


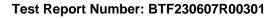










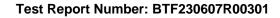




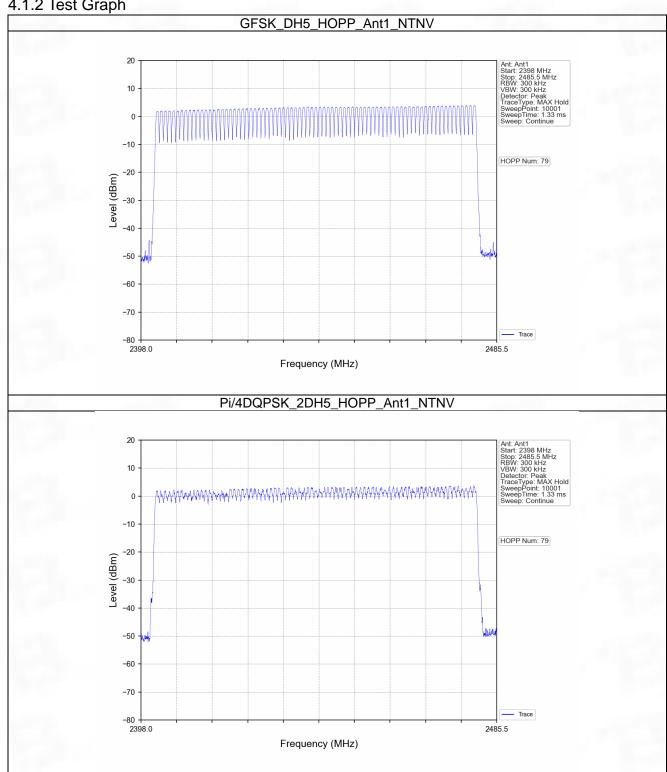
# 4. Number of Hopping Frequencies

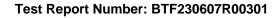
## 4.1 HoppNum

Mode	TX	TX Frequency		Num of Hoppin	Verdict	
iviode	Type	(MHz)	Type	ANT1	ANT1 Limit	
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass

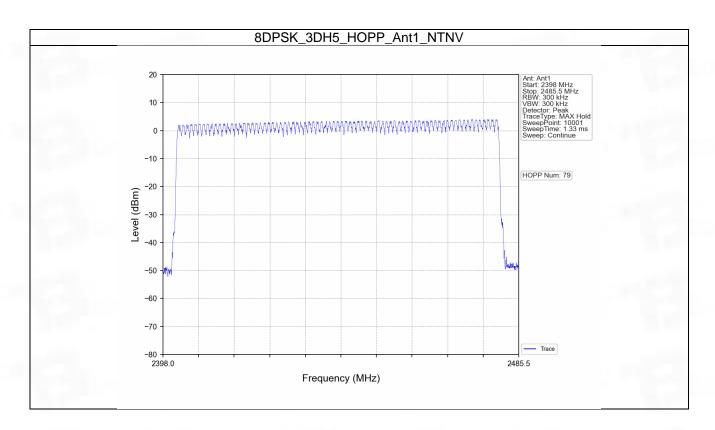


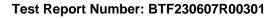










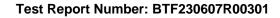




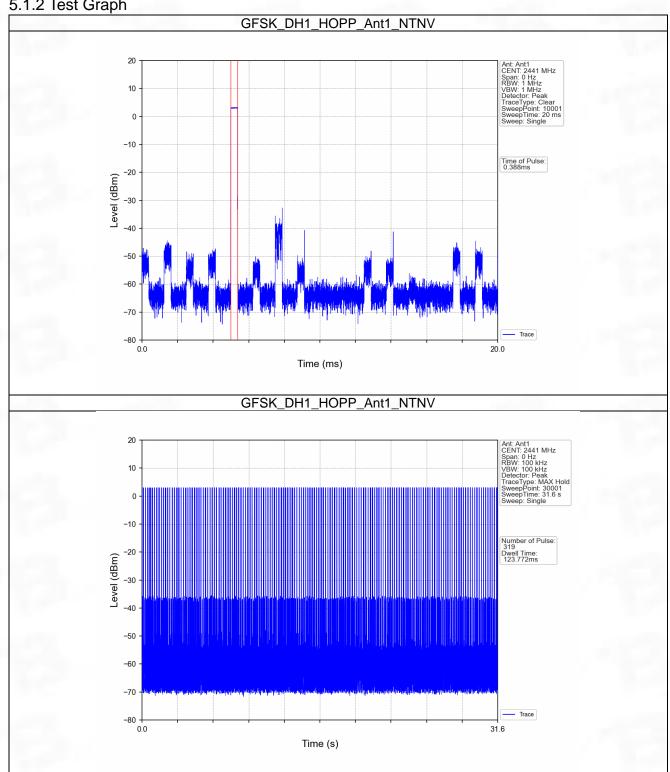
# 5. Time of Occupancy (Dwell Time)

## 5.1 Ant1

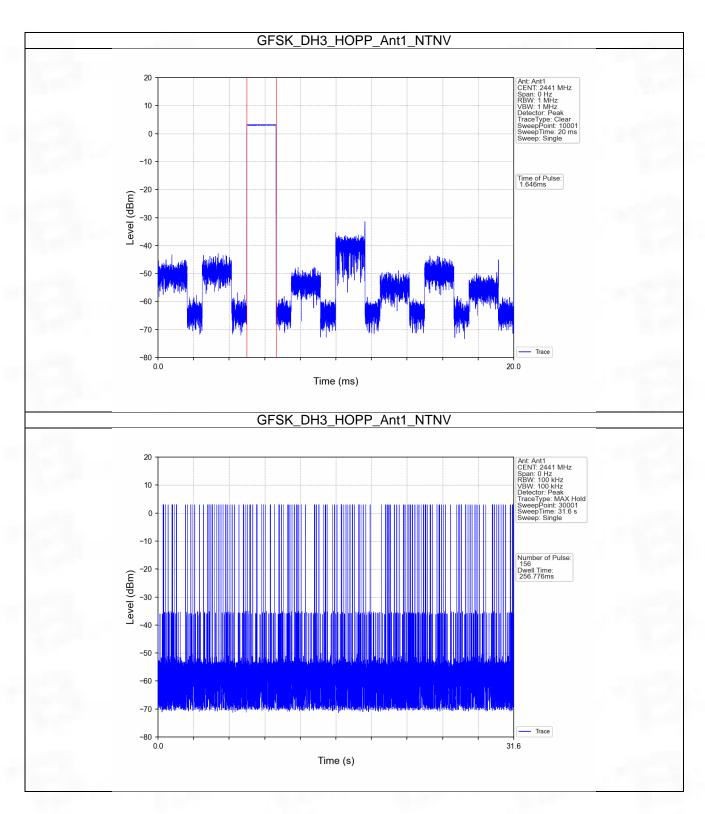
	Ant1										
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict		
GFSK SISO		SO HOPP	DH1	0.388	31.600	319	123.772	<=400	Pass		
	SISO		DH3	1.646	31.600	156	256.776	<=400	Pass		
			DH5	2.896	31.600	96	278.016	<=400	Pass		
		SO HOPP	2DH1	0.396	31.600	318	125.928	<=400	Pass		
Pi/4DQPSK	SISO		2DH3	1.656	31.600	159	263.304	<=400	Pass		
			2DH5	2.902	31.600	102	296.004	<=400	Pass		
8DPSK S		SO HOPP	3DH1	6.678	31.600	48	320.544	<=400	Pass		
	SISO		3DH3	0.652	31.600	161	104.972	<=400	Pass		
			3DH5	0.906	31.600	102	92.412	<=400	Pass		

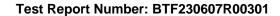




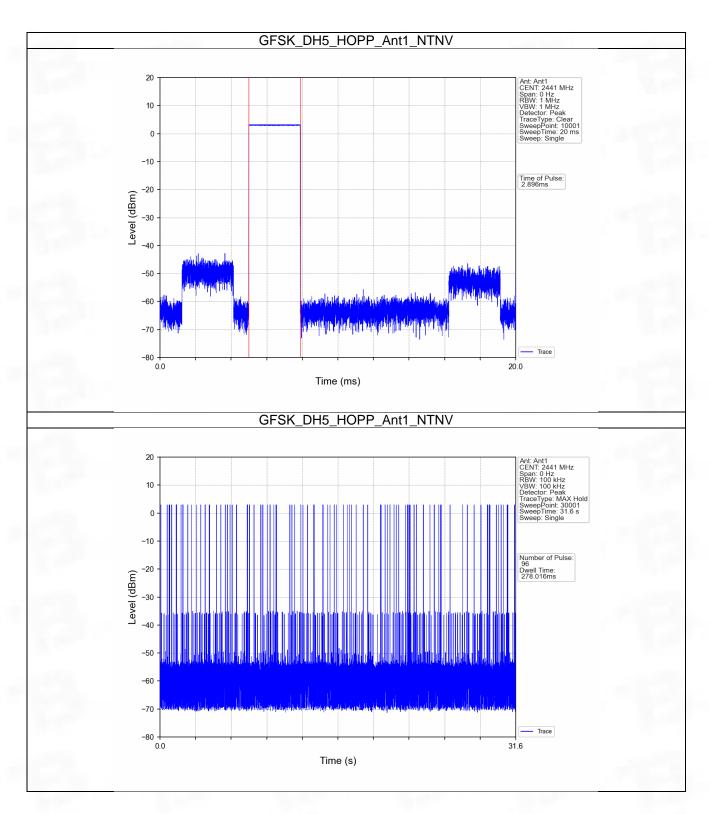




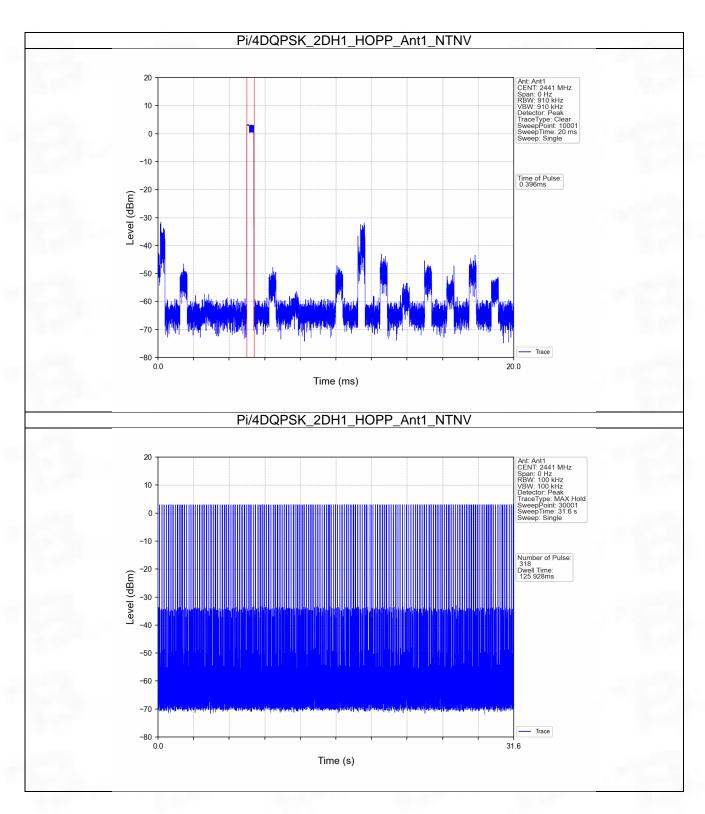




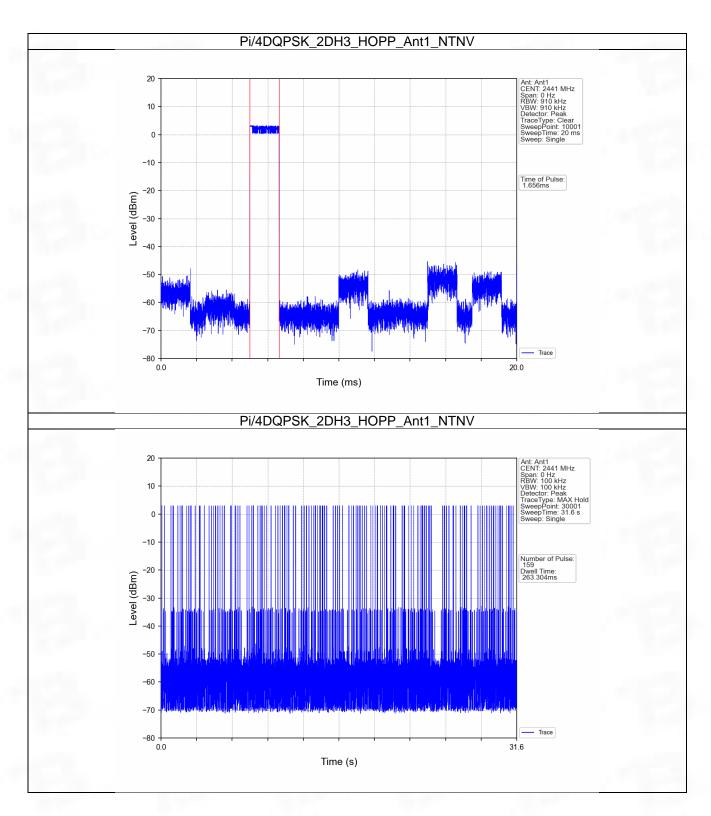




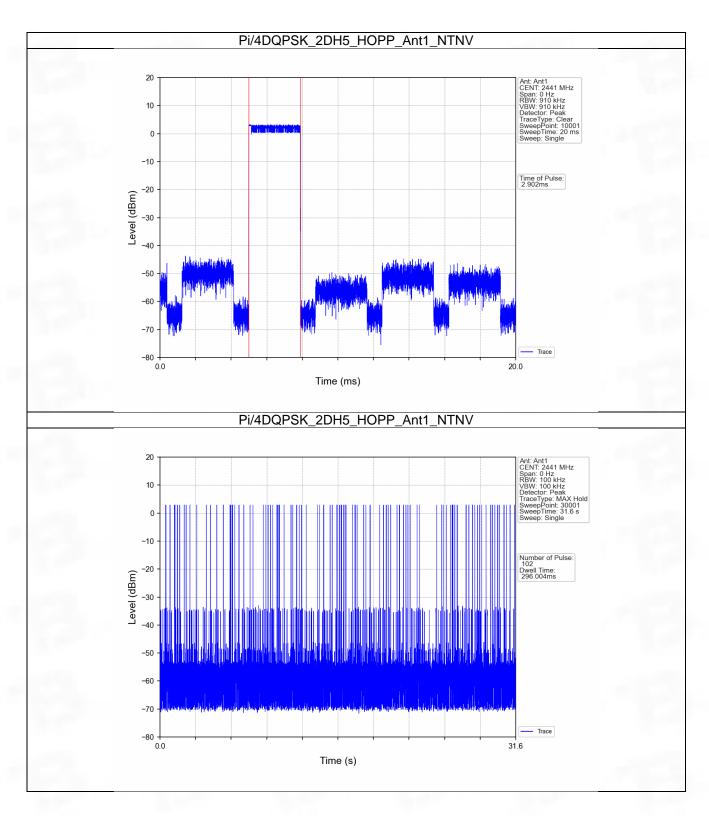


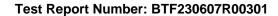




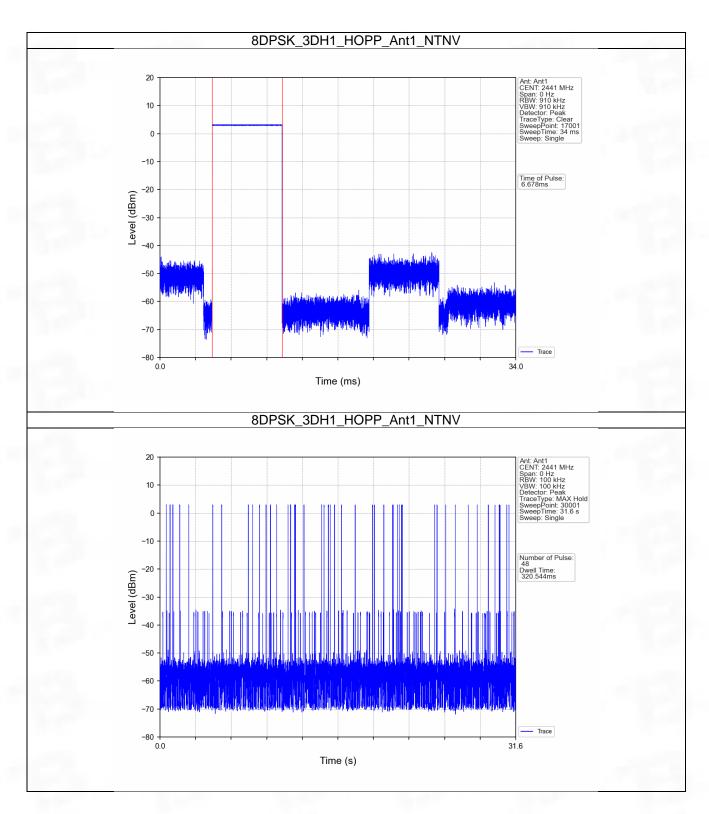




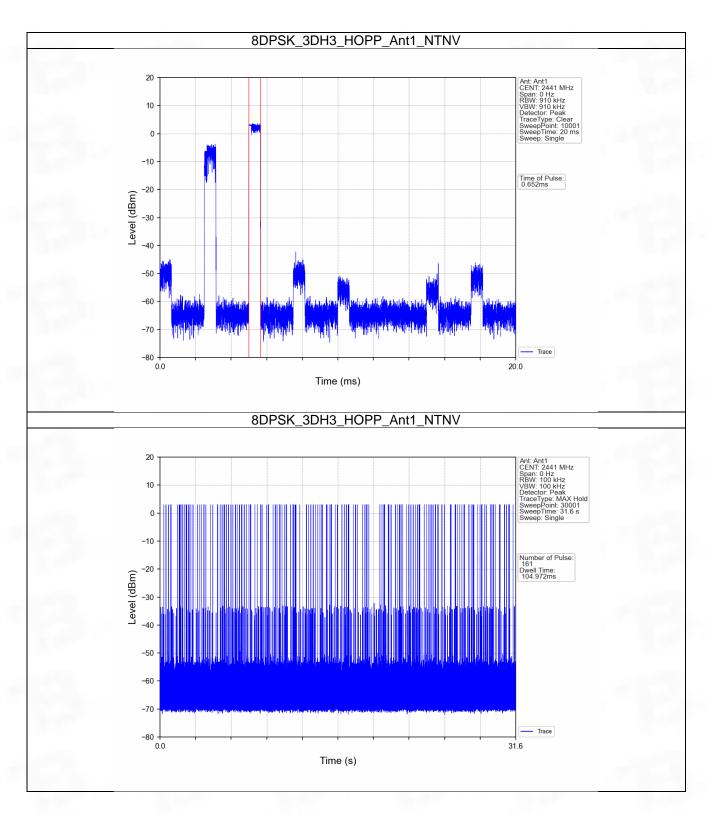


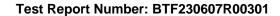




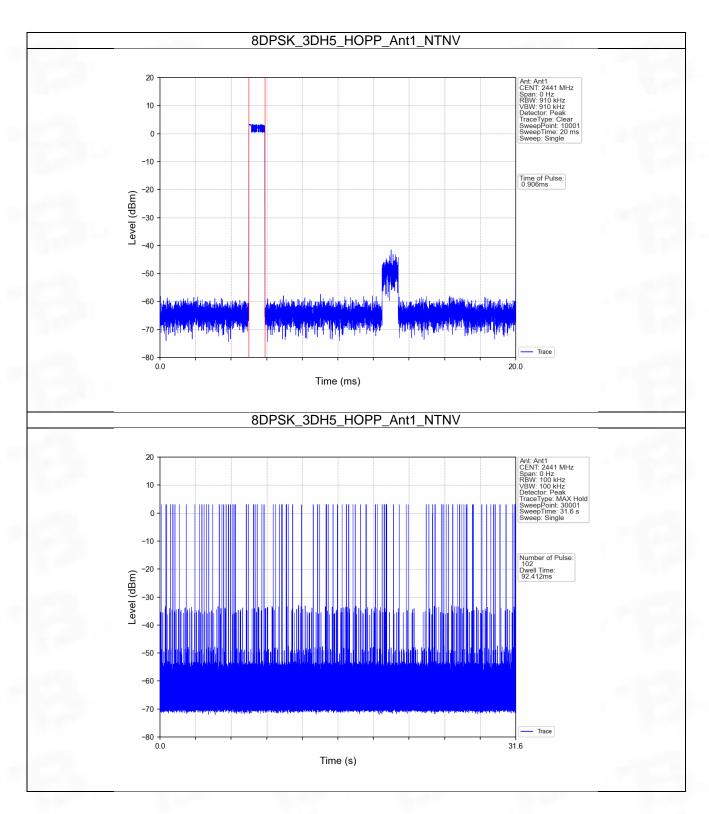


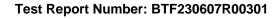














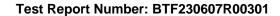
# 6. Unwanted Emissions In Non-restricted Frequency Bands

#### 6.1 Ref

#### 6.1.1 Test Result

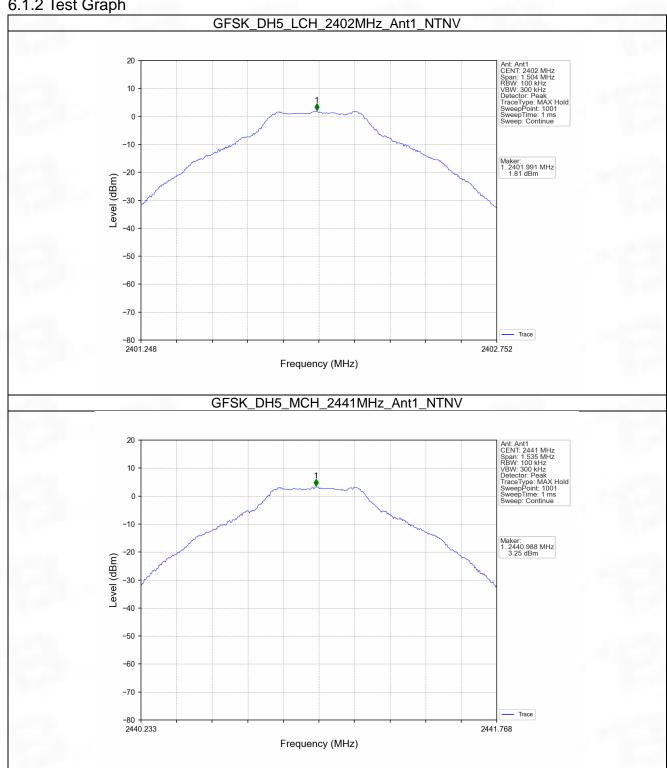
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK		2402	DH5	1	1.81
	SISO	2441	DH5	1	3.25
		2480	DH5	1	3.78
Pi/4DQPSK	SISO	2402	2DH5	1	1.72
		2441	2DH5	1	3.16
		2480	2DH5	1	3.75
8DPSK	SISO	2402	3DH5	1	1.92
		2441	3DH5	1	3.33
		2480	3DH5	1	4.02

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.

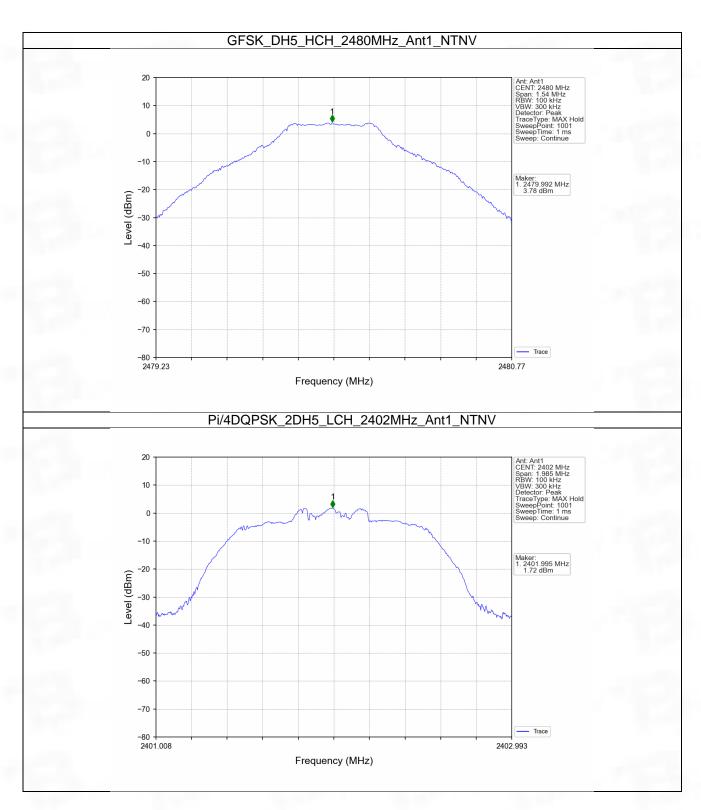


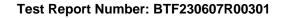




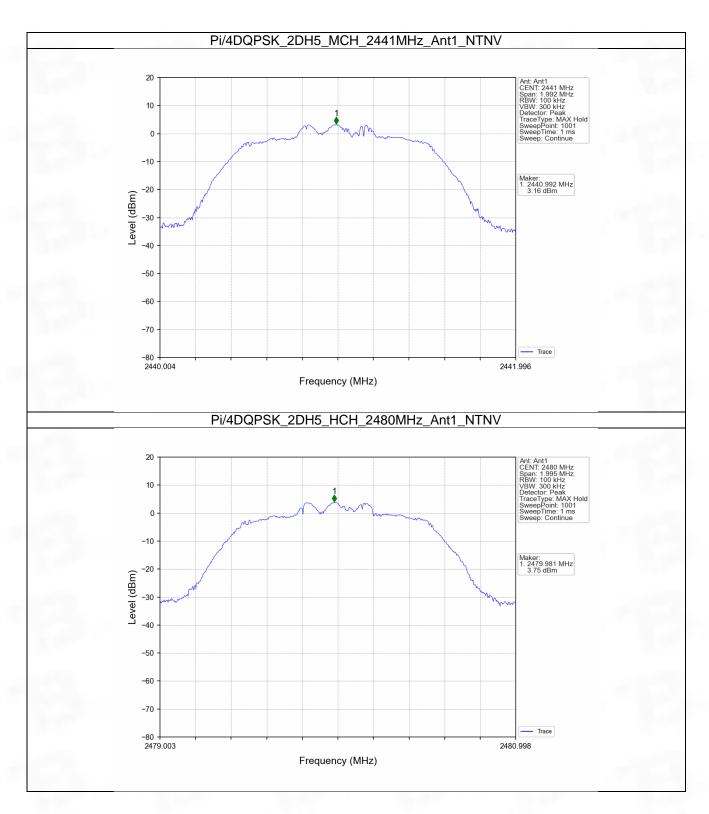


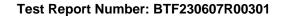




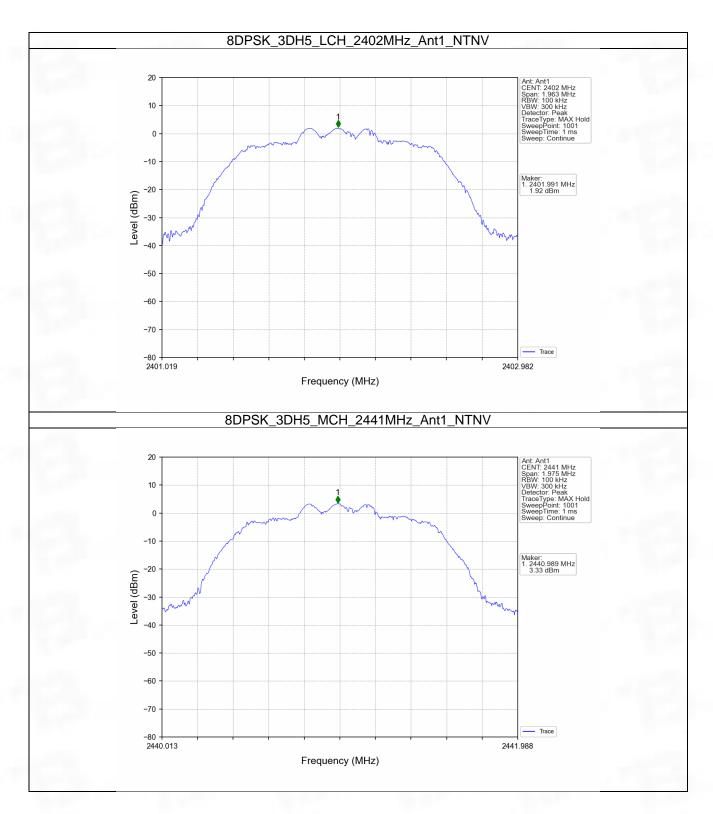


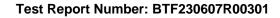




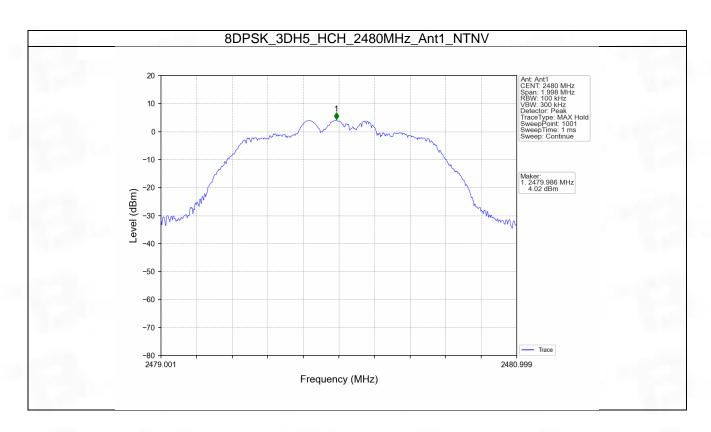


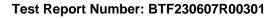












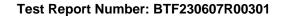


### 6.2 CSE

#### 6.2.1 Test Result

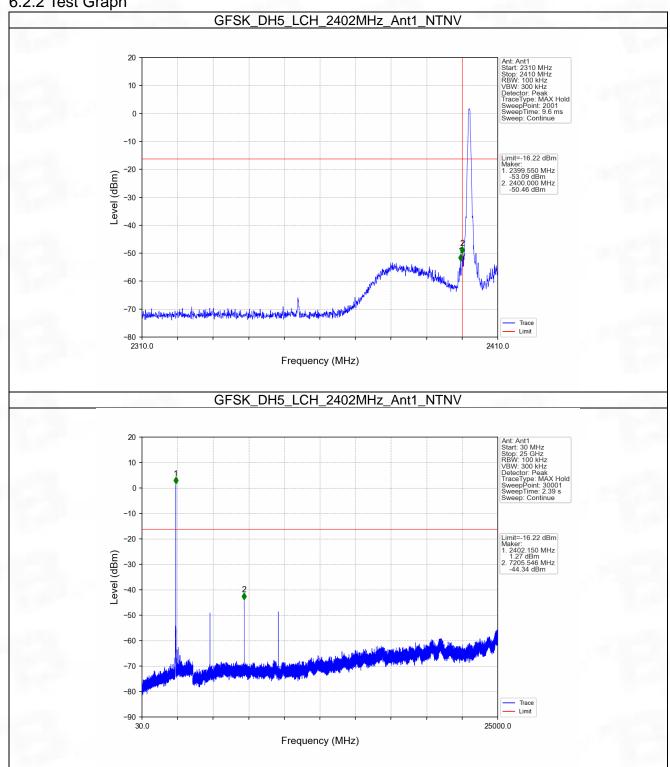
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	3.78	-16.22	Pass
		2441	DH5	1	3.78	-16.22	Pass
		2480	DH5	1	3.78	-16.22	Pass
		HOPP	DH5	1	3.78	-16.22	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	3.75	-16.25	Pass
		2441	2DH5	1	3.75	-16.25	Pass
		2480	2DH5	1	3.75	-16.25	Pass
		HOPP	2DH5	1	3.75	-16.25	Pass
8DPSK	SISO	2402	3DH5	1	4.02	-15.98	Pass
		2441	3DH5	1	4.02	-15.98	Pass
		2480	3DH5	1	4.02	-15.98	Pass
		HOPP	3DH5	1	4.02	-15.98	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.

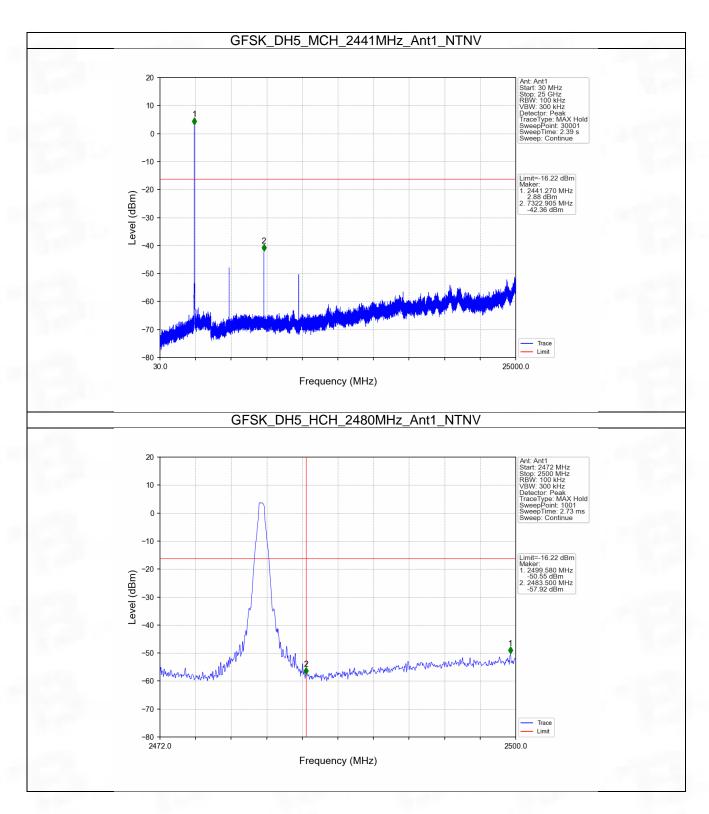




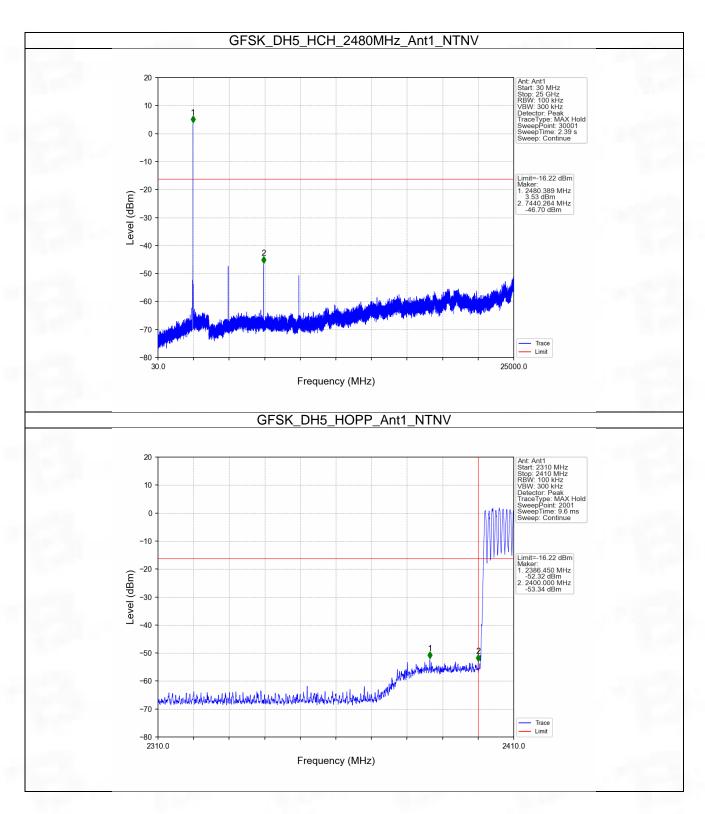


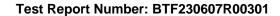




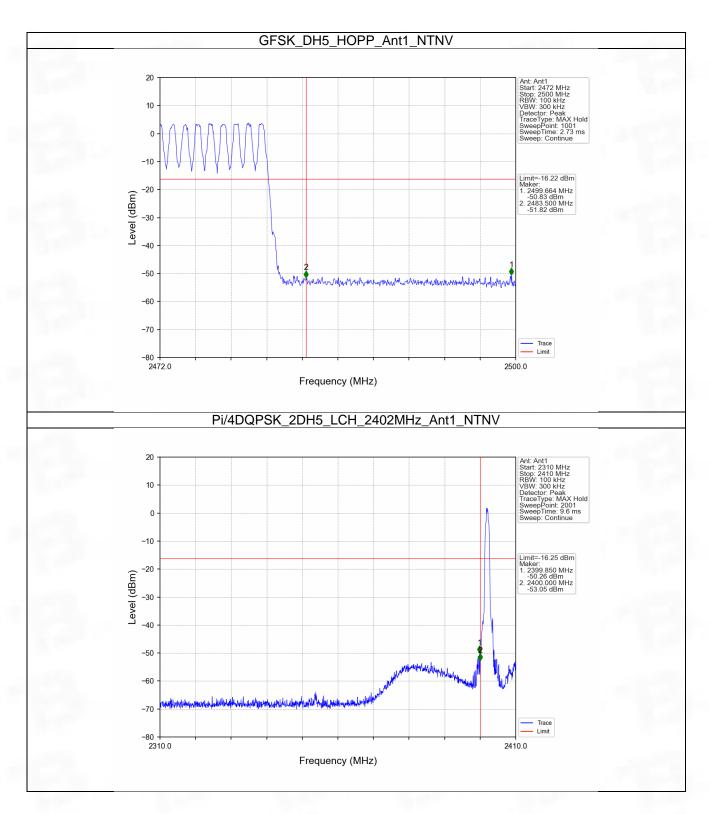




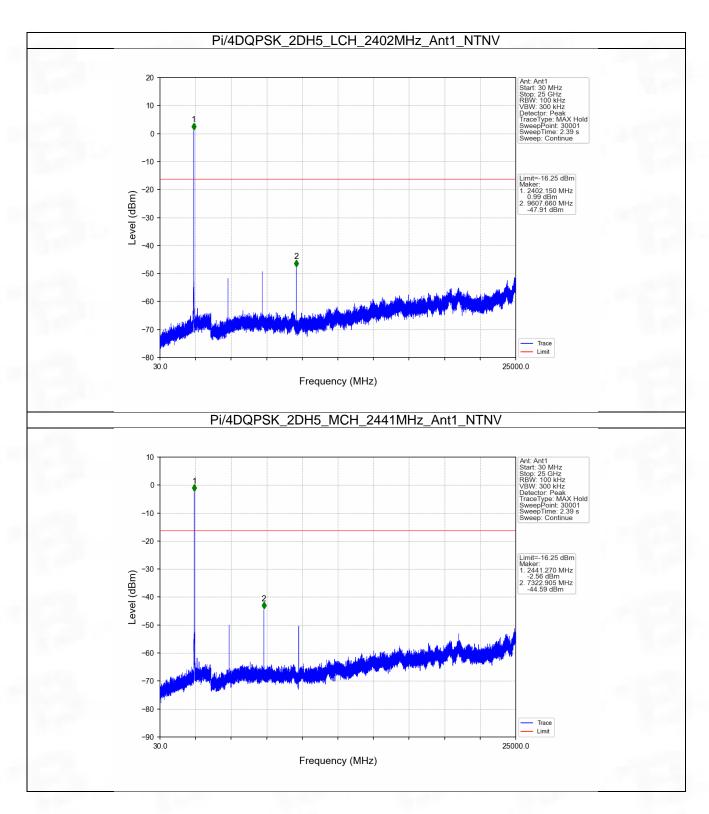




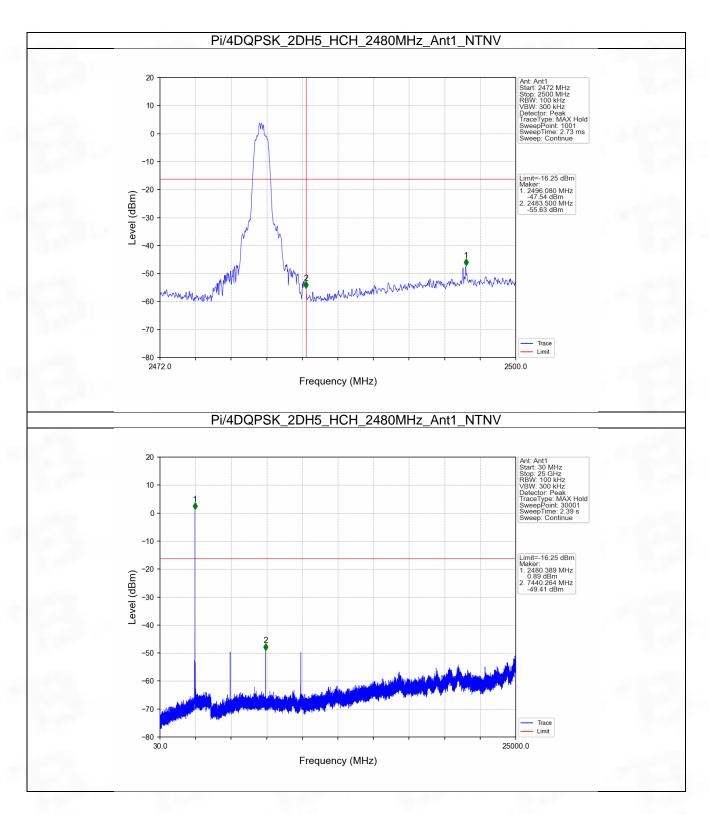


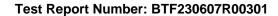




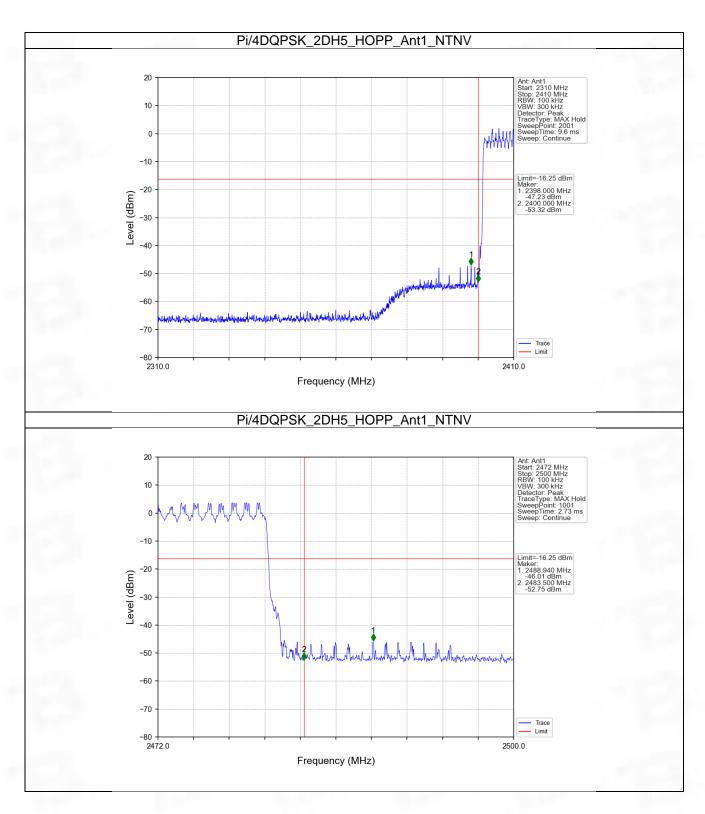




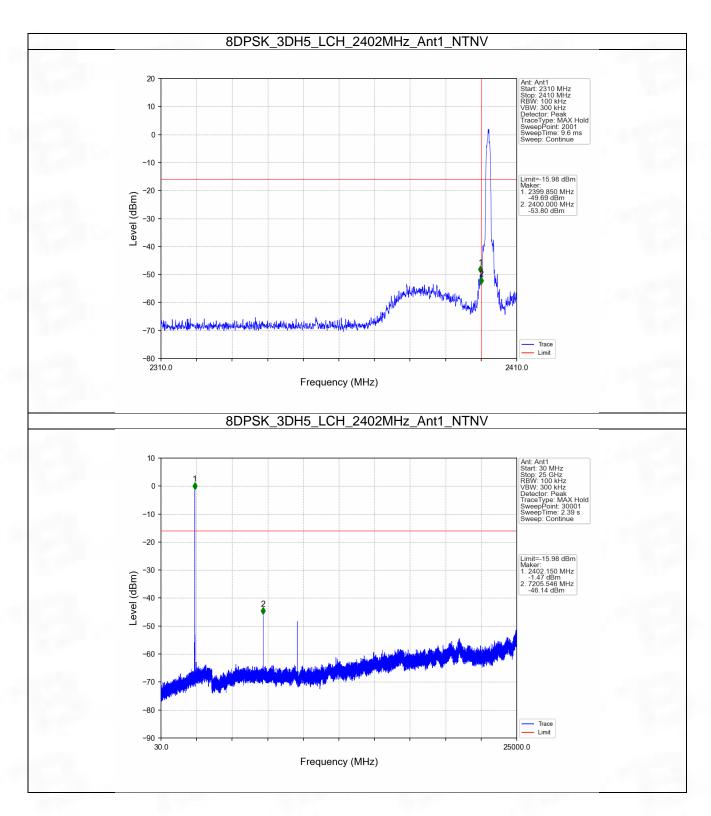




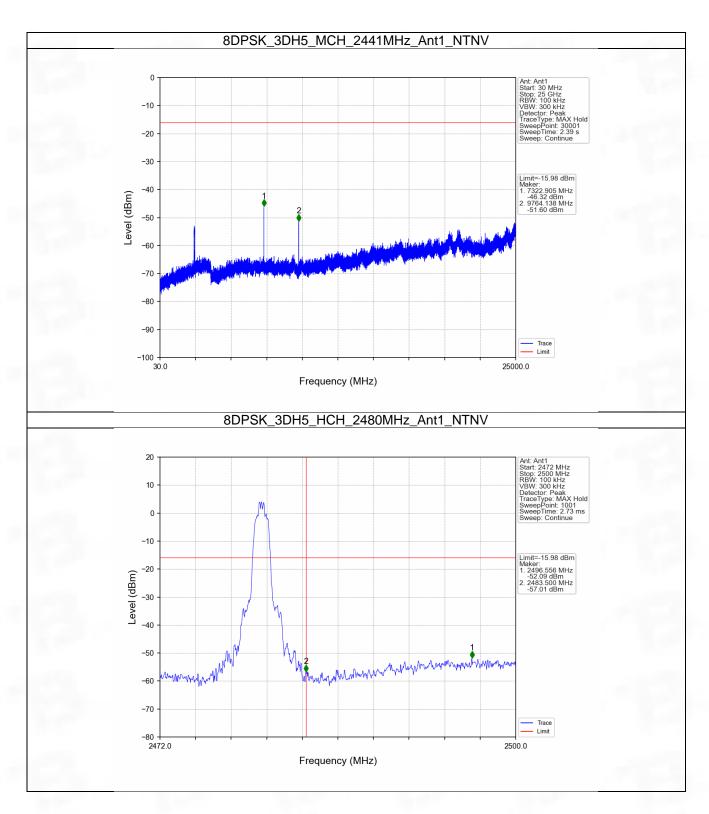




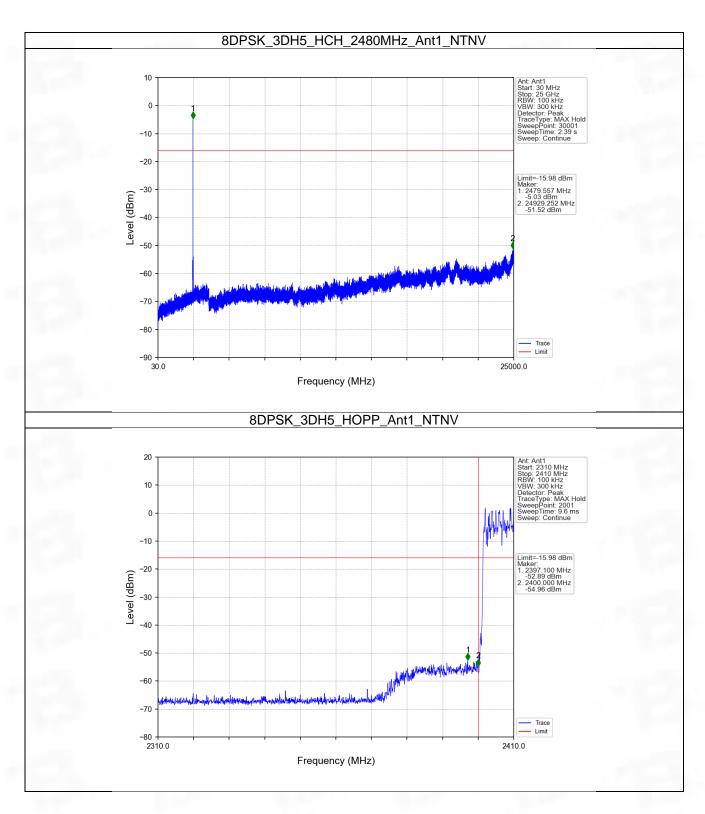


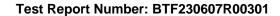




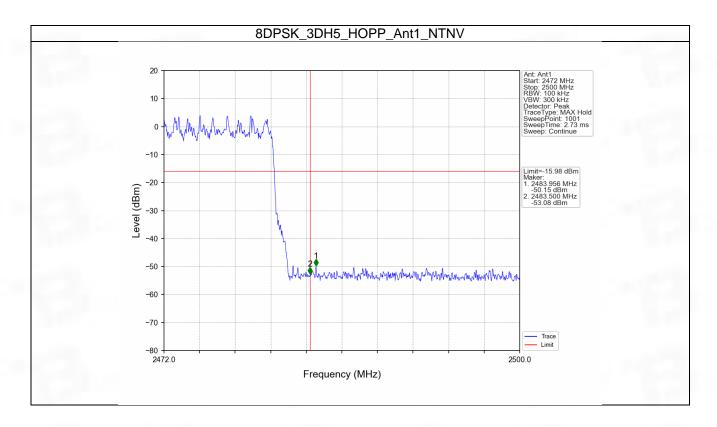


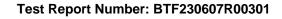












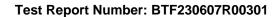


# 7. Form731

## 7.1 Form731

### 7.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2402	2480	0.0030	4.83







BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

www.btf-lab.com

-- END OF REPORT --