

Report No.: GZCR210902104302

Page: 51 of 97

10 Appendix

1. Bandwidth

1.1 OBW

1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	99% Occupied Bandwidth (MHz) Result	Verdict
		2402	DH5	1	0.826	Pass
GFSK	SISO	2441	DH5	1	0.823	Pass
		2480	DH5	1	0.829	Pass
		2402	2DH5	1	1.174	Pass
Pi/4DQPSK	SISO	2441	2DH5	1	1.175	Pass
		2480	2DH5	1	1.174	Pass
		2402	3DH5	1	1.178	Pass
8DPSK	SISO	2441	3DH5	1	1.181	Pass
		2480	3DH5	1	1.178	Pass



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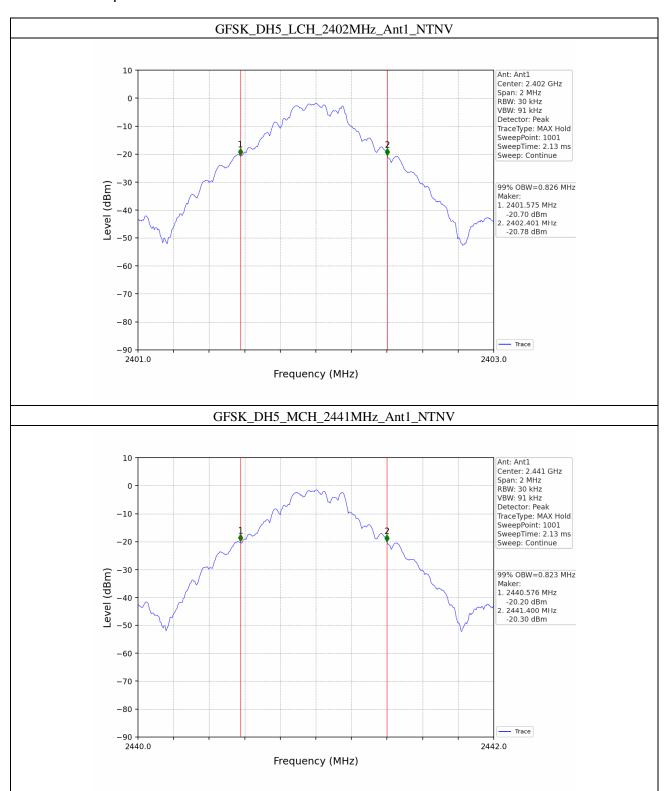
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Report No.: GZCR210902104302

Page: 52 of 97

1.1.2 Test Graph





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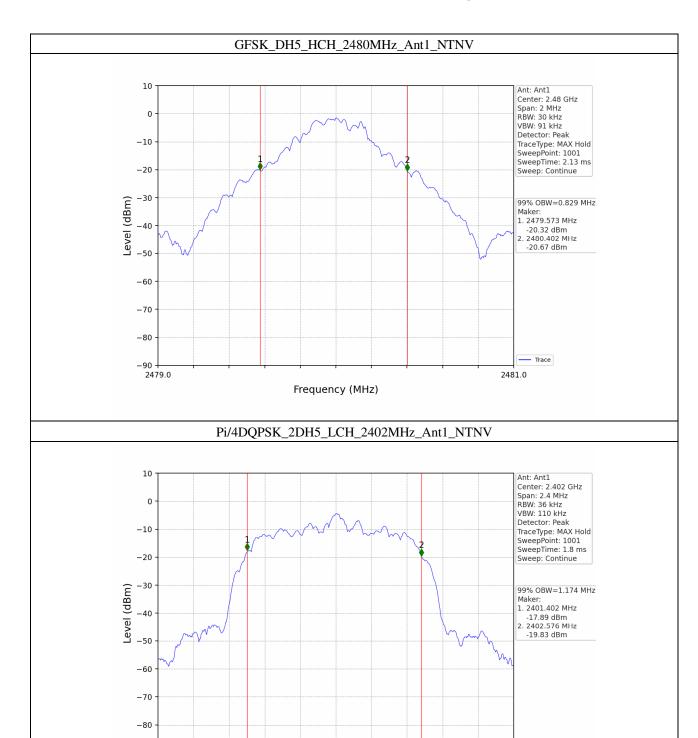
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Page: 53 of 97





-90 2400.8

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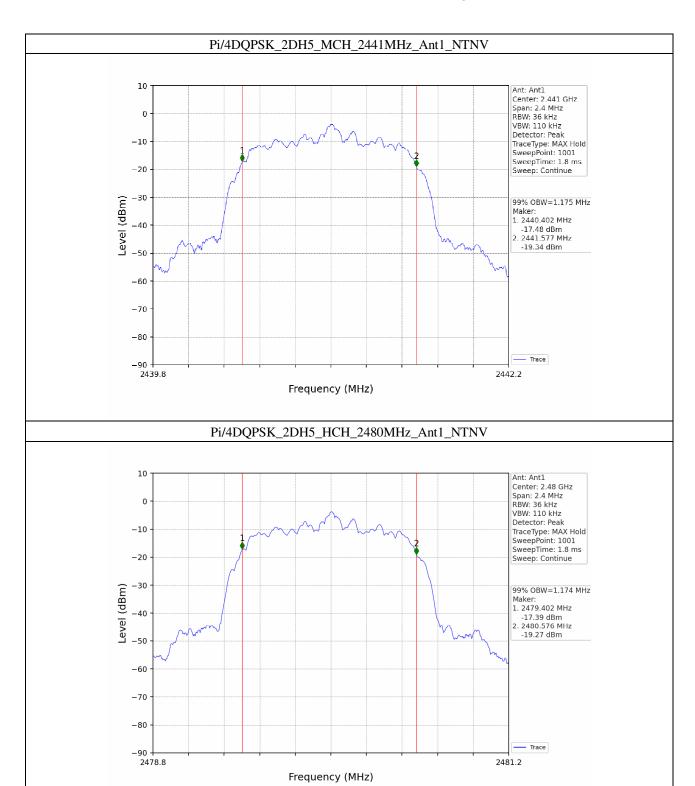
Trace

2403.2



Report No.: GZCR210902104302

Page: 54 of 97





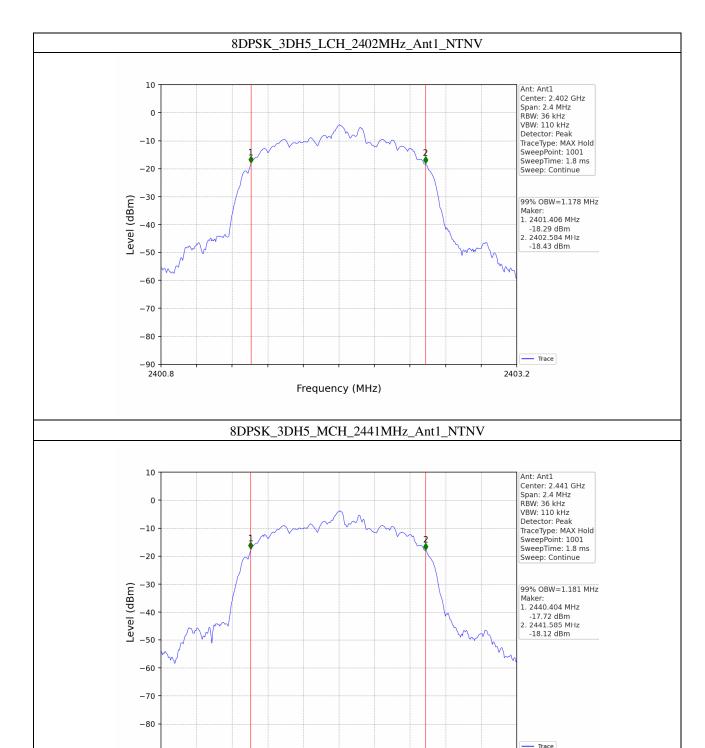
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Page: 55 of 97





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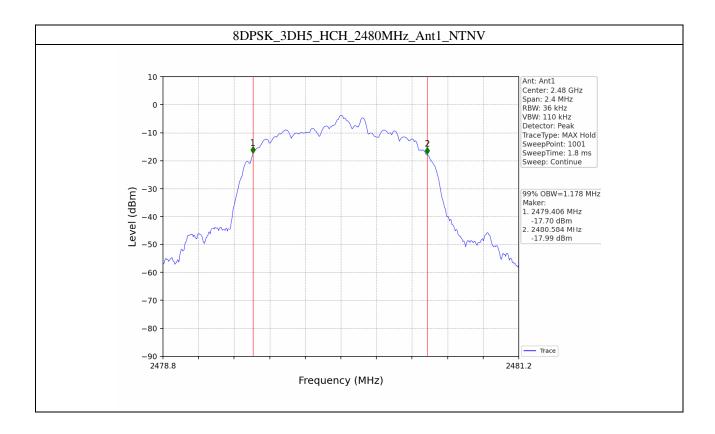
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2442.2



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56 of 97 Page:





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Report No.: GZCR210902104302

Page: 57 of 97

1.2 20dB BW

1.2.1 Test Result

Mode	TX	Frequency	Packet	A not	20dB Bandwidth (MHz)	Verdict
Mode	Type	(MHz)	Type	Ant	Result	verdict
		2402	DH5	1	0.940	Pass
GFSK	SISO	2441	DH5	1	0.935	Pass
		2480	DH5	1	0.938	Pass
	SISO	2402	2DH5	1	1.292	Pass
Pi/4DQPSK		2441	2DH5	1	1.290	Pass
		2480	2DH5	1	1.290	Pass
		2402	3DH5	1	1.307	Pass
8DPSK	SISO	2441	3DH5	1	1.307	Pass
		2480	3DH5	1	1.306	Pass



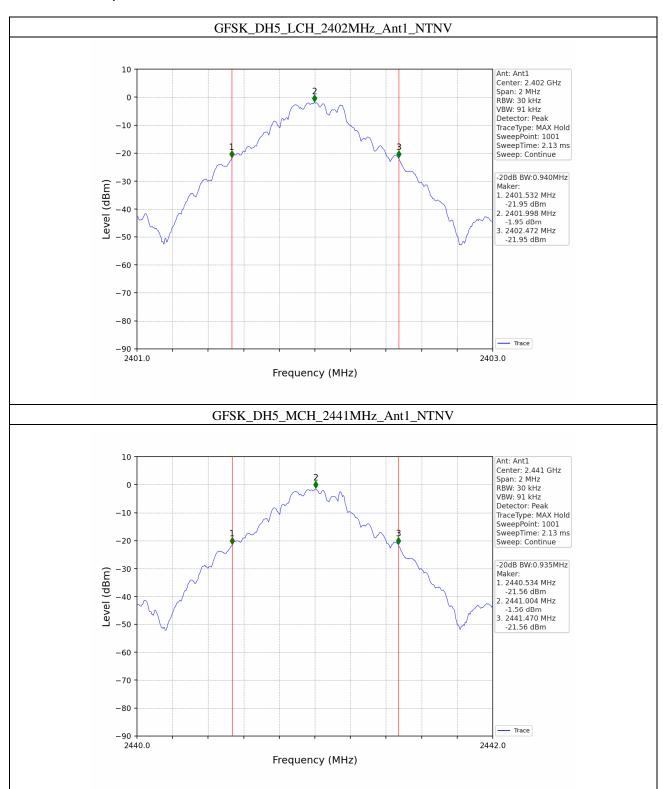
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Page: 58 of 97

1.2.2 Test Graph





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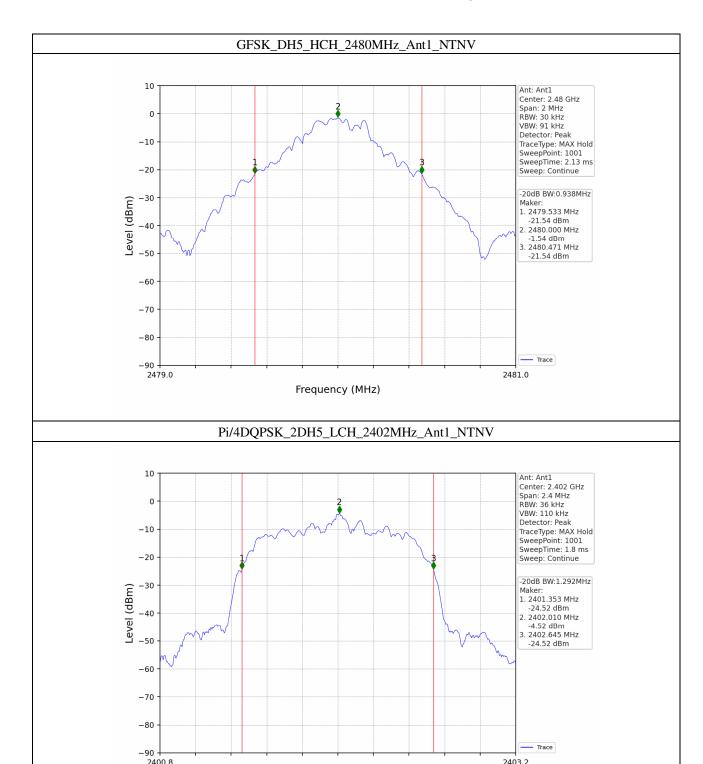
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Page: 59 of 97





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Frequency (MHz)

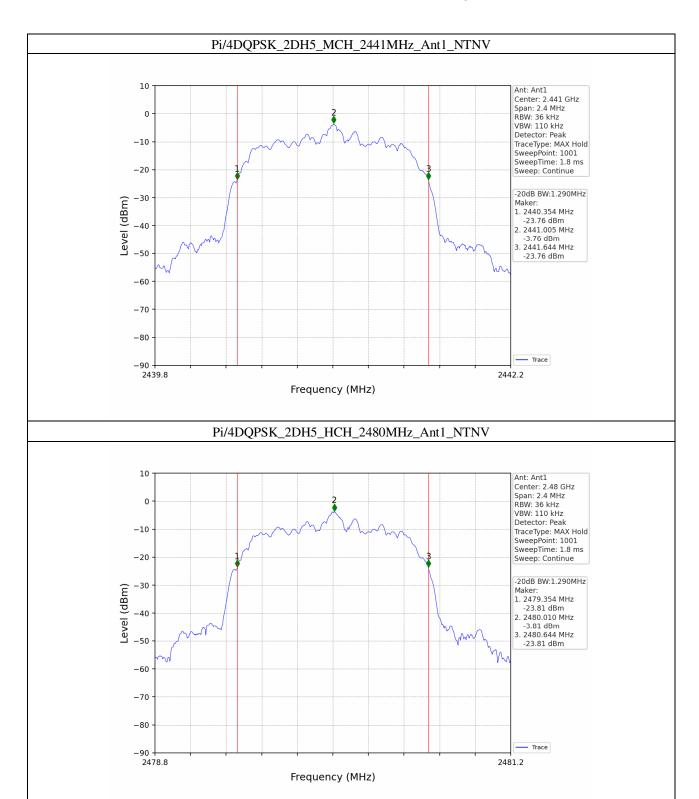
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Page: 60 of 97





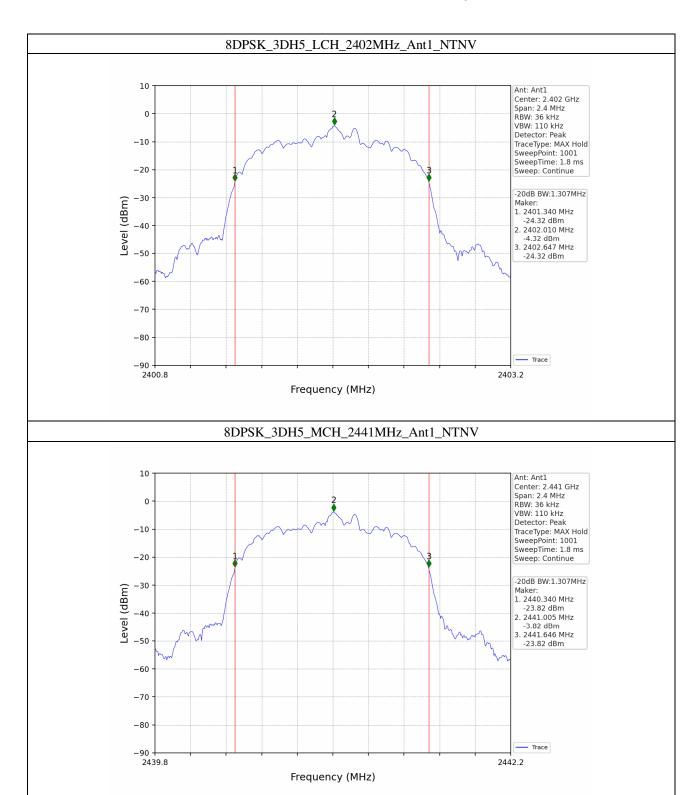
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Page: 61 of 97





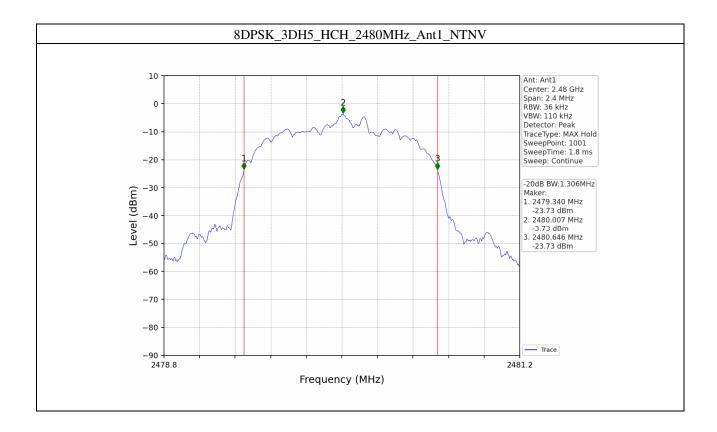
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Page: 62 of 97





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2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Mode	TX	Frequency	Packet	Maximum Peak Conduc	Verdict	
Mode	Type	(MHz)	Type	Ant1	Limit	verdict
		2402	DH5	0.62	<=30	Pass
GFSK	SISO	2441	DH5	0.97	<=30	Pass
		2480	DH5	0.93	<=30	Pass
		2402	2DH5	-0.40	<=20.97	Pass
Pi/4DQPSK	SISO	2441	2DH5	0.18	<=20.97	Pass
		2480	2DH5	0.19	<=20.97	Pass
		2402	3DH5	0.06	<=20.97	Pass
8DPSK	SISO	2441	3DH5	0.64	<=20.97	Pass
		2480	3DH5	0.61	<=20.97	Pass
Note1: Anten	na Gain:	Ant1: 1.62dBi;				



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Page: 64 of 97

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	0.940	>=0.94	Pass		
Pi/4DQPSK	SISO	HOPP	2DH5	0.975	1.292	>=0.861	Pass		
8DPSK	SISO	HOPP	3DH5	1.000	1.307	>=0.871	Pass		



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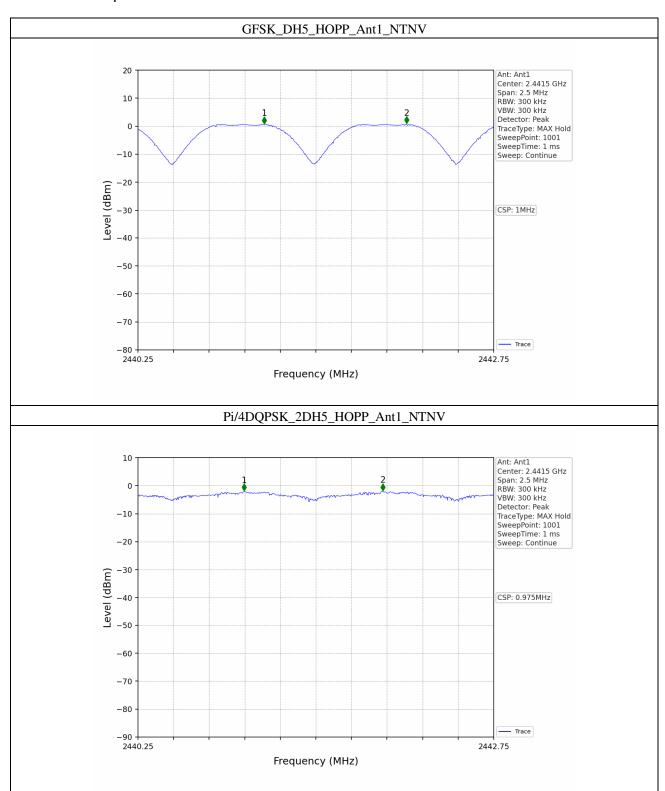
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Page: 65 of 97

3.1.2 Test Graph





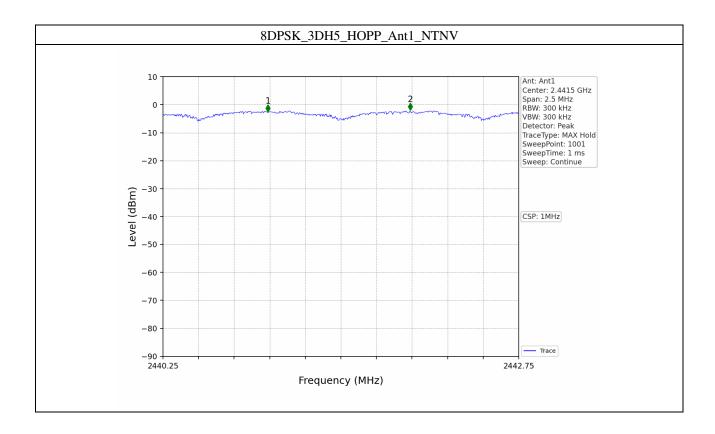
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66 of 97 Page:





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Page: 67 of 97

4. Number of Hopping Frequencies

4.1 HoppNum

4.1.1 Test Result

Mada	TX	Frequency	Packet	Num of Hoppir	Vardiat	
Mode	Туре	(MHz)	Туре	Ant1	Limit	Verdict
GFSK	SISO	HOPP	DH5	79	>=15	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	>=15	Pass



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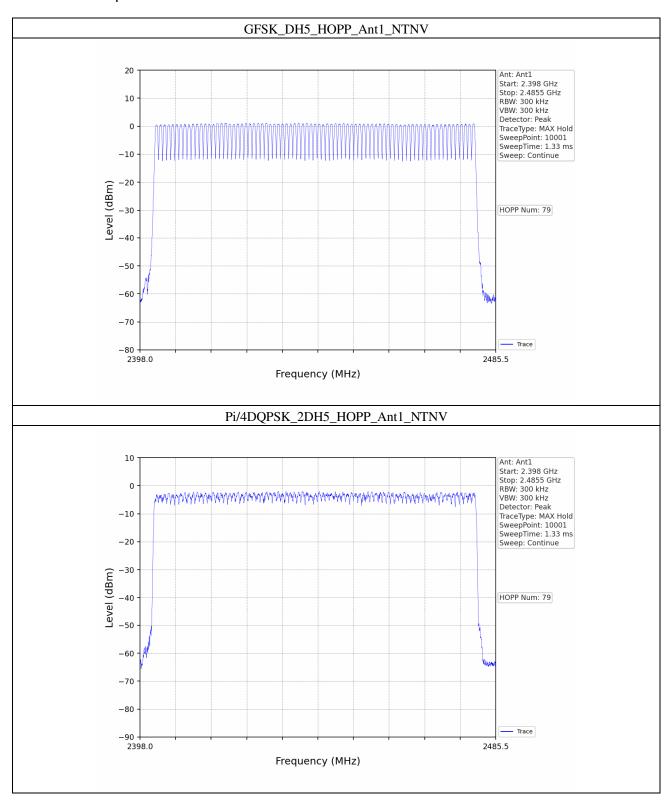
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Report No.: GZCR210902104302

Page: 68 of 97

4.1.2 Test Graph





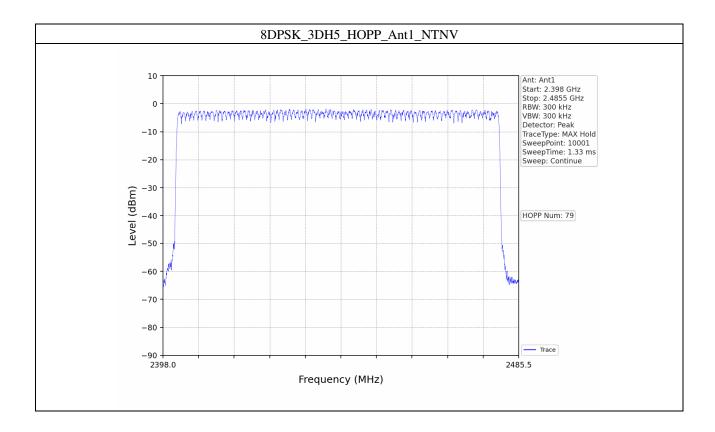
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Report No.: GZCR210902104302

Page: 70 of 97

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	0.378	31.600	319	120.582	<=400	Pass	
GFSK		HOPP	DH3	1.634	31.600	157	256.538	<=400	Pass	
			DH5	2.882	31.600	108	311.256	<=400	Pass	
		SO HOPP	ISO HOPP	2DH1	0.392	31.600	320	125.440	<=400	Pass
Pi/4DQPSK	SISO			2DH3	1.644	31.600	155	254.820	<=400	Pass
			2DH5	2.892	31.600	102	294.984	<=400	Pass	
		3DH1	0.392	31.600	320	125.440	<=400	Pass		
8DPSK	SISO	SO HOPP	3DH3	1.646	31.600	163	268.298	<=400	Pass	
			3DH5	2.896	31.600	117	338.832	<=400	Pass	



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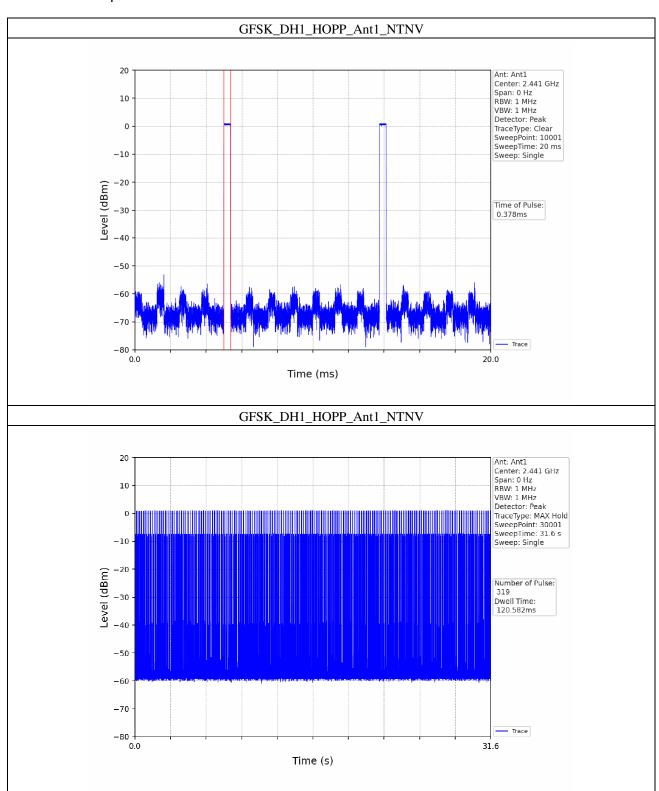
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Page: 71 of 97

5.1.2 Test Graph





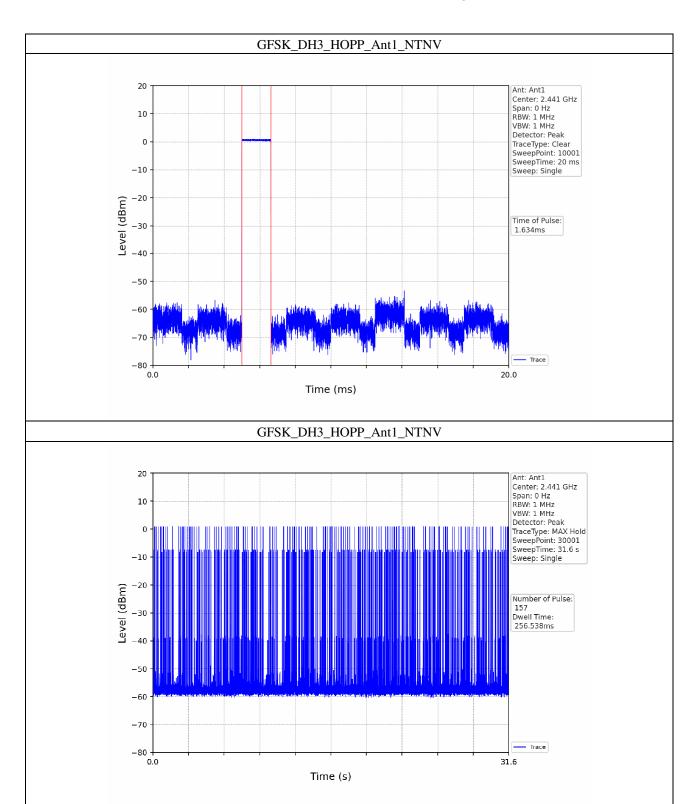
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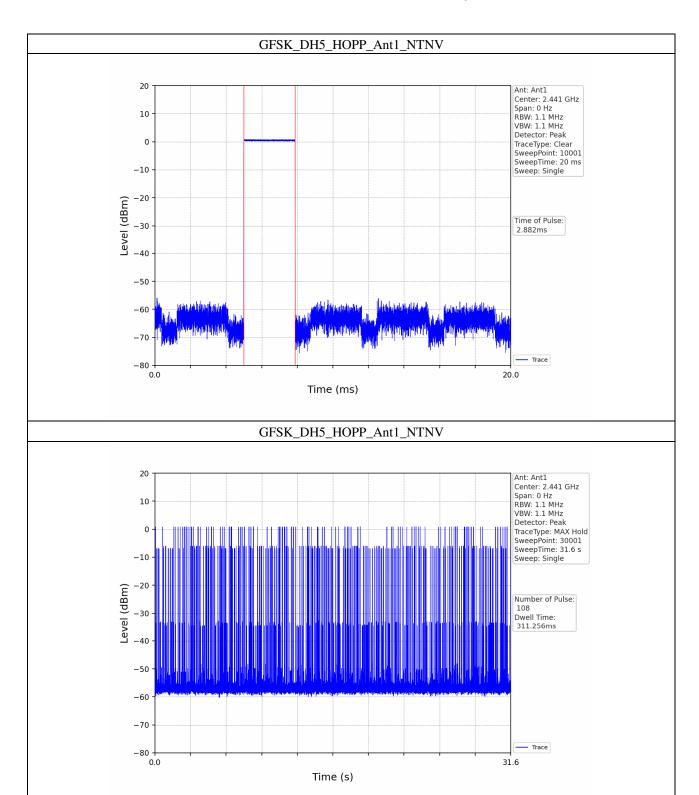
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Page: 73 of 97





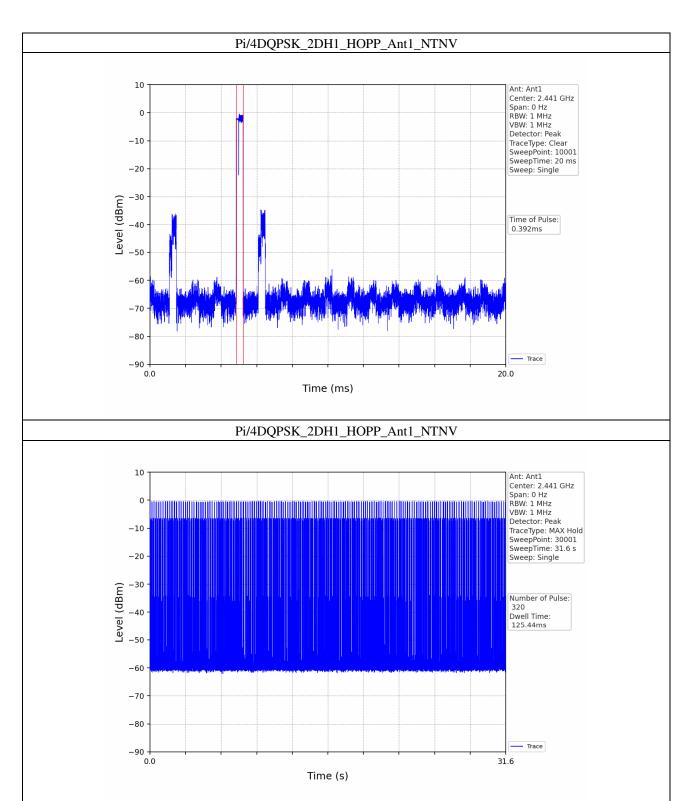
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Page: 74 of 97





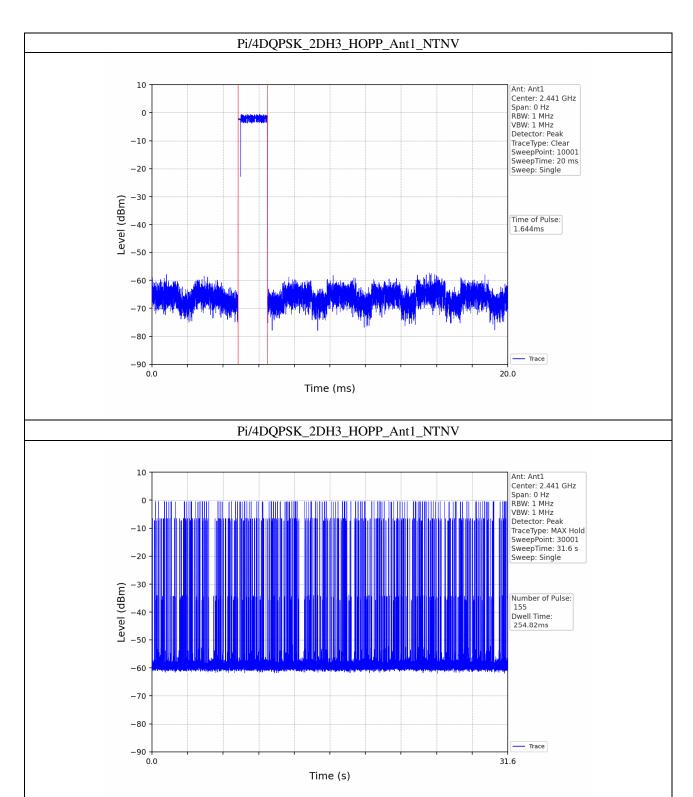
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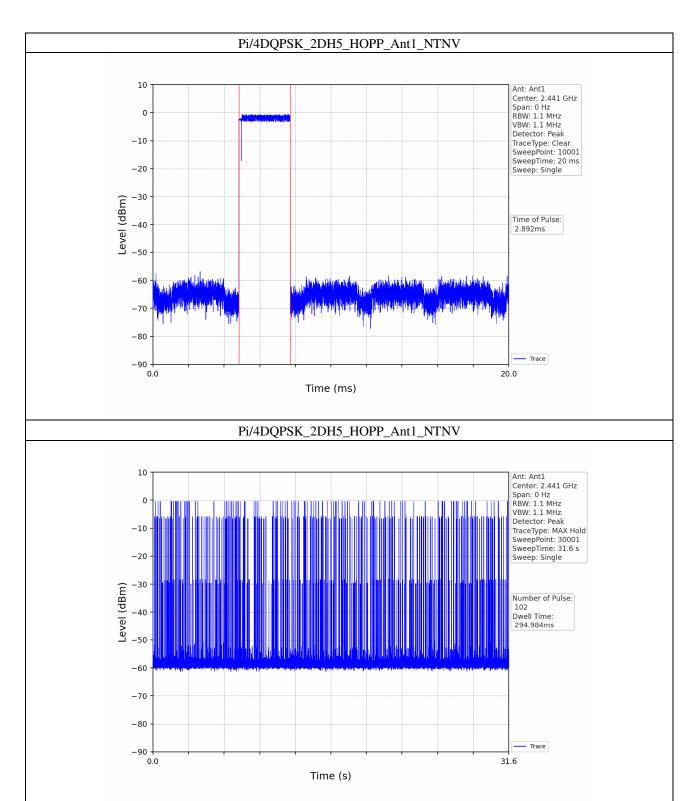
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Page: 76 of 97





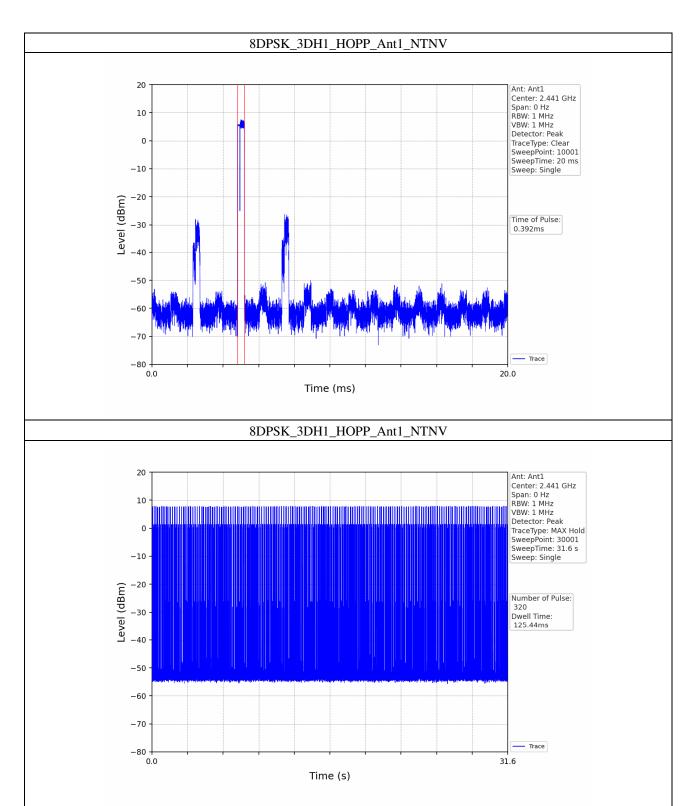
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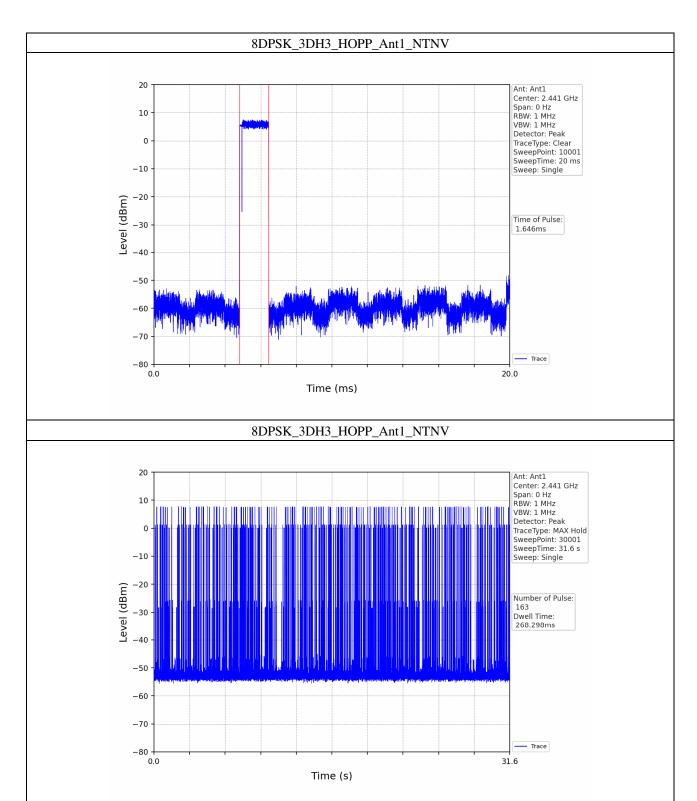
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Page: 78 of 97





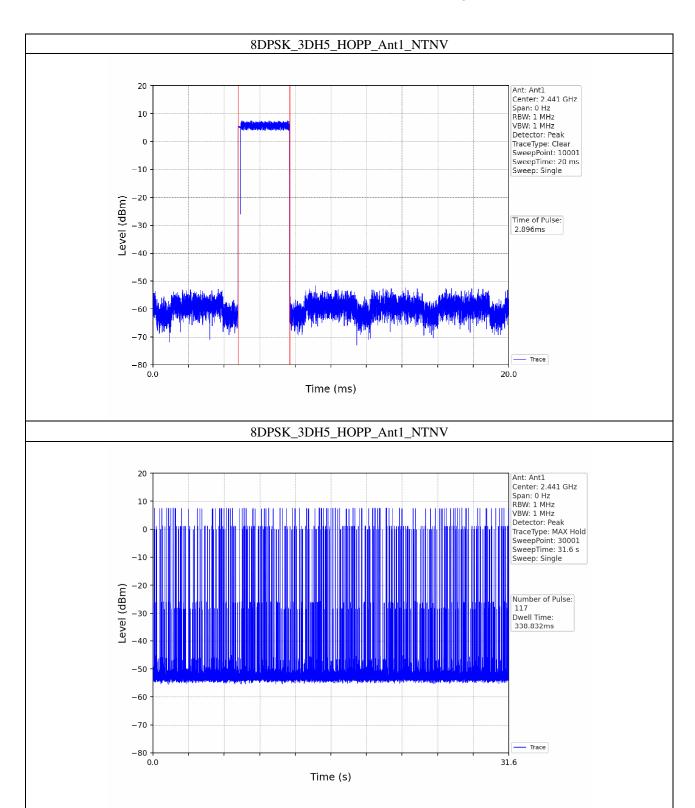
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Report No.: GZCR210902104302

Page: 80 of 97

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)
		2402	DH5	1	0.36
GFSK	SISO	2441	DH5	1	0.73
		2480	DH5	1	0.75
		2402	2DH5	1	-2.74
Pi/4DQPSK	SISO	2441	2DH5	1	-2.17
		2480	2DH5	1	-2.61
		2402	3DH5	1	-2.94
8DPSK	SISO	2441	3DH5	1	-2.22
		2480	3DH5	1	-2.55

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.

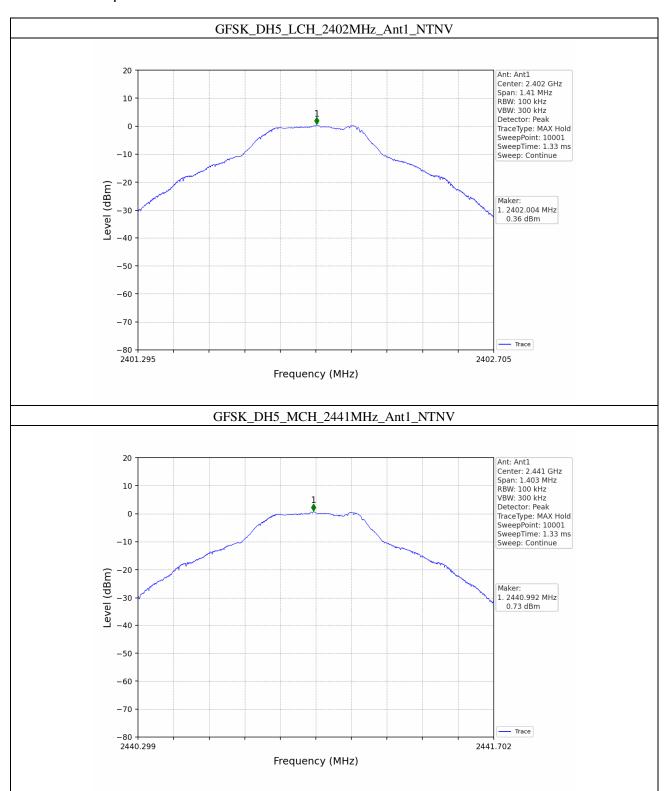




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Page: 81 of 97

6.1.2 Test Graph





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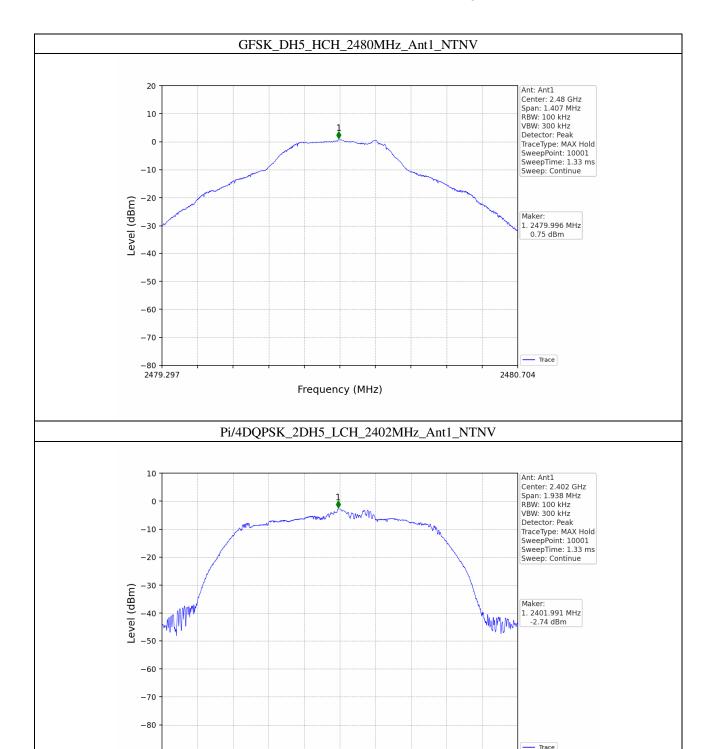
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Page: 82 of 97





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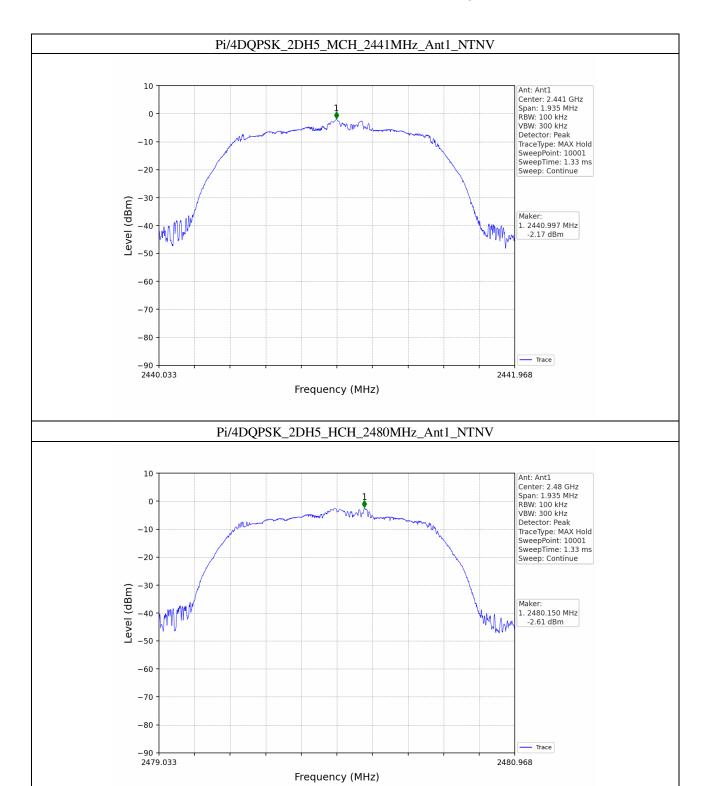
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Page: 83 of 97





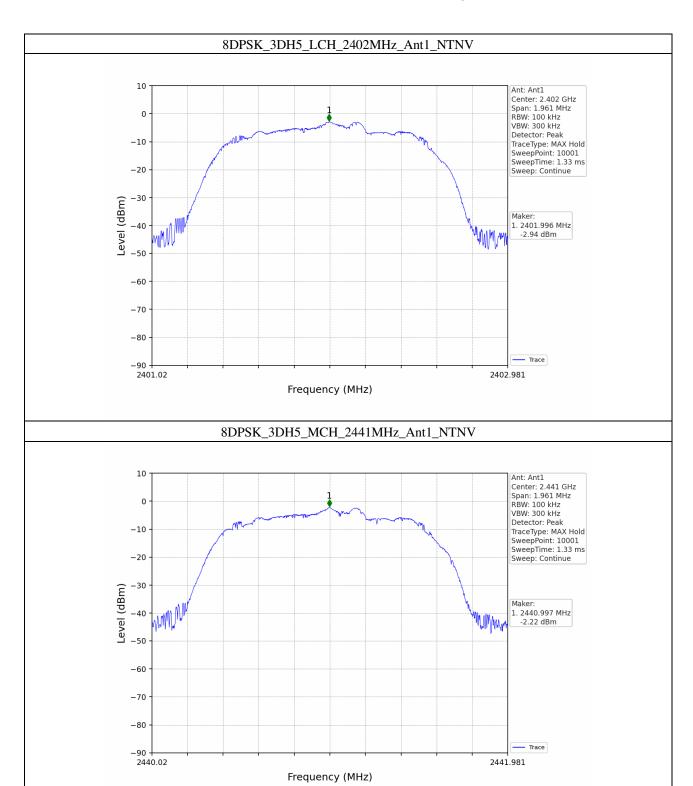
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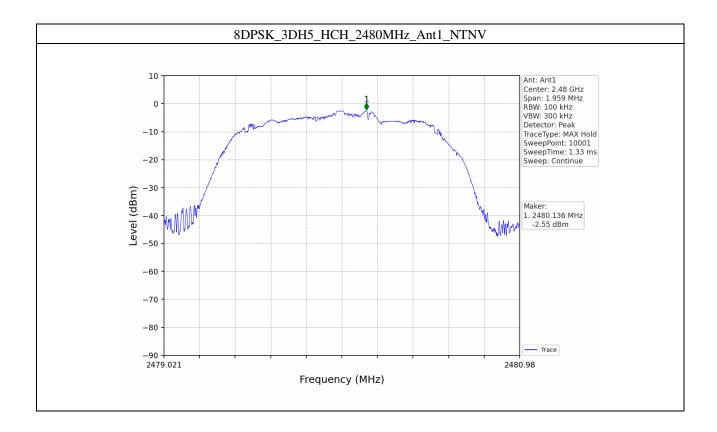
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Report No.: GZCR210902104302

Page: 85 of 97





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Report No.: GZCR210902104302

Page: 86 of 97

6.2 CSE

6.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
		2402	DH5	1	0.75	-19.25	Pass
OFOK	CICO	2441	DH5	1	0.75	-19.25	Pass
GFSK	SISO	2480	DH5	1	0.75	-19.25	Pass
		HOPP	DH5	1	0.75	-19.25	Pass
	SISO	2402	2DH5	1	-2.17	-22.17	Pass
D:/ADODCK		2441	2DH5	1	-2.17	-22.17	Pass
Pi/4DQPSK		2480	2DH5	1	-2.17	-22.17	Pass
		HOPP	2DH5	1	-2.17	-22.17	Pass
		2402	3DH5	1	-2.22	-22.22	Pass
8DPSK	CICO	2441	3DH5	1	-2.22	-22.22	Pass
	SISO	2480	3DH5	1	-2.22	-22.22	Pass
		HOPP	3DH5	1	-2.22	-22.22	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.



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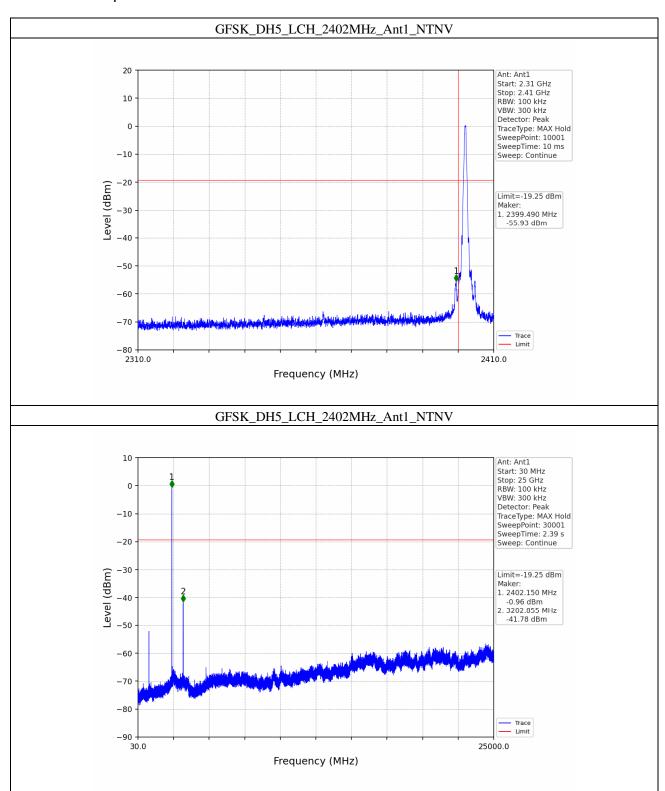
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Report No.: GZCR210902104302

Page: 87 of 97

6.2.2 Test Graph





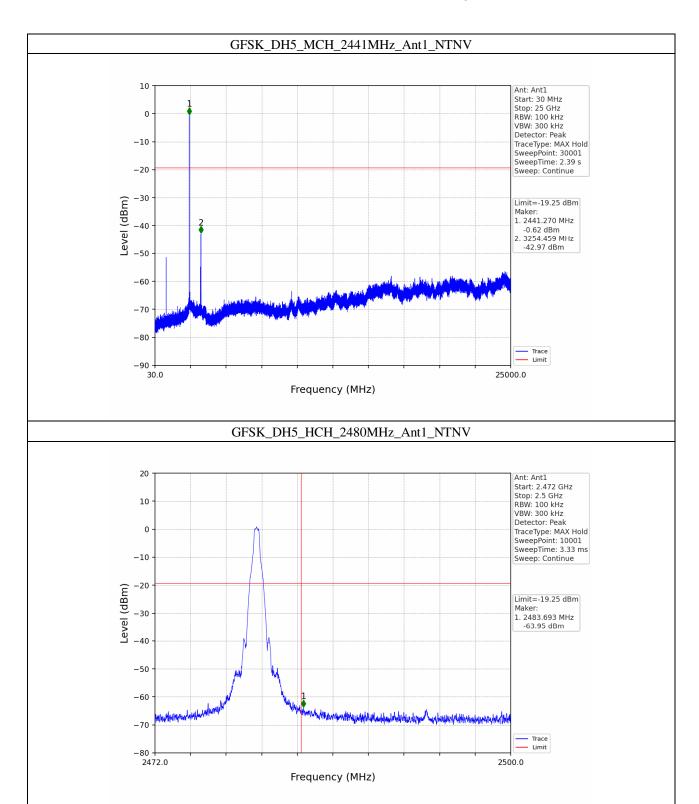
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Report No.: GZCR210902104302

Page: 88 of 97





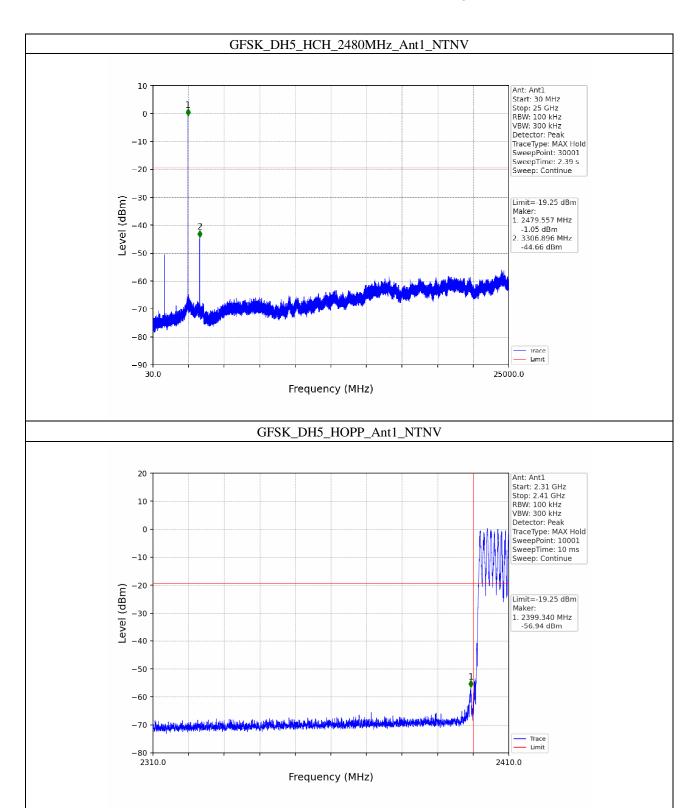
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Report No.: GZCR210902104302

Page: 89 of 97





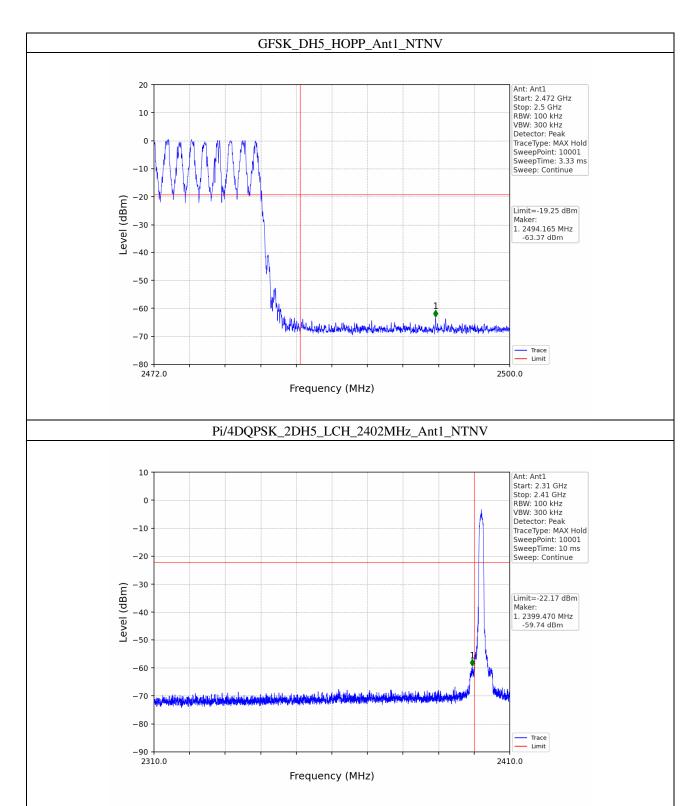
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Page: 90 of 97





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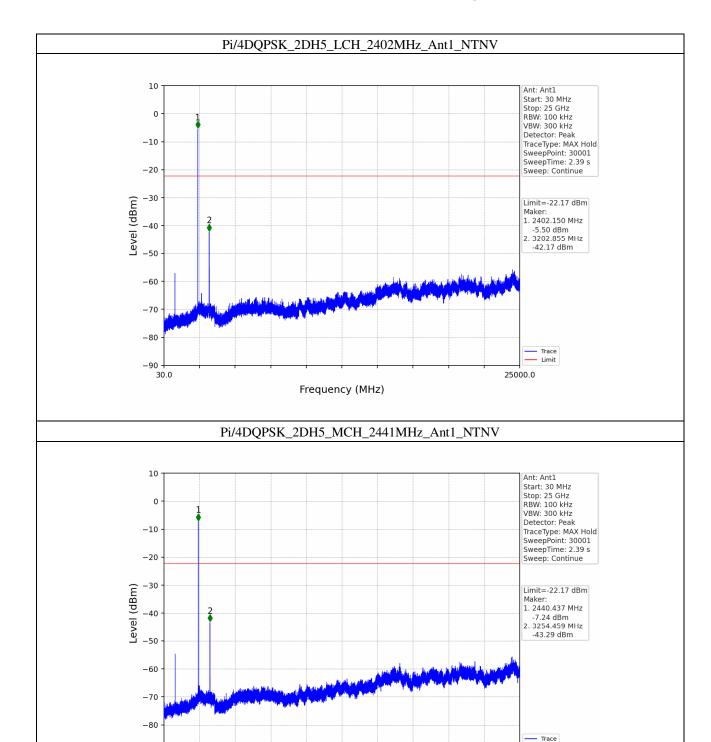
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Report No.: GZCR210902104302

Page: 91 of 97





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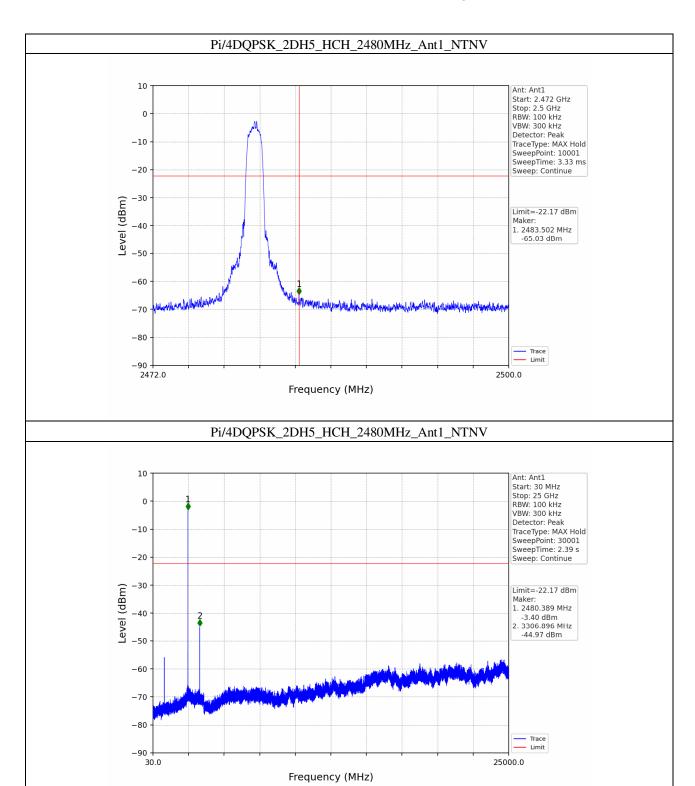
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Report No.: GZCR210902104302

Page: 92 of 97





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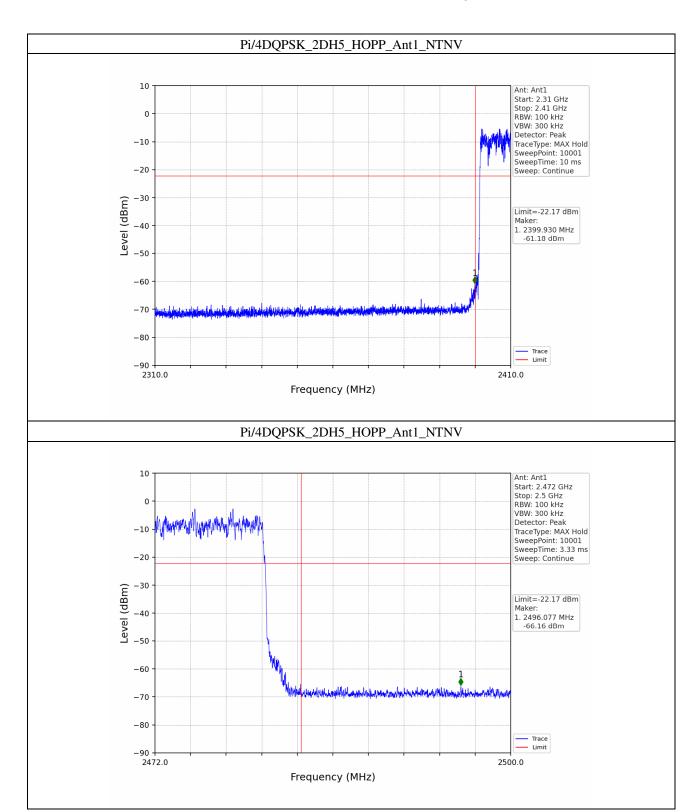
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Page: 93 of 97





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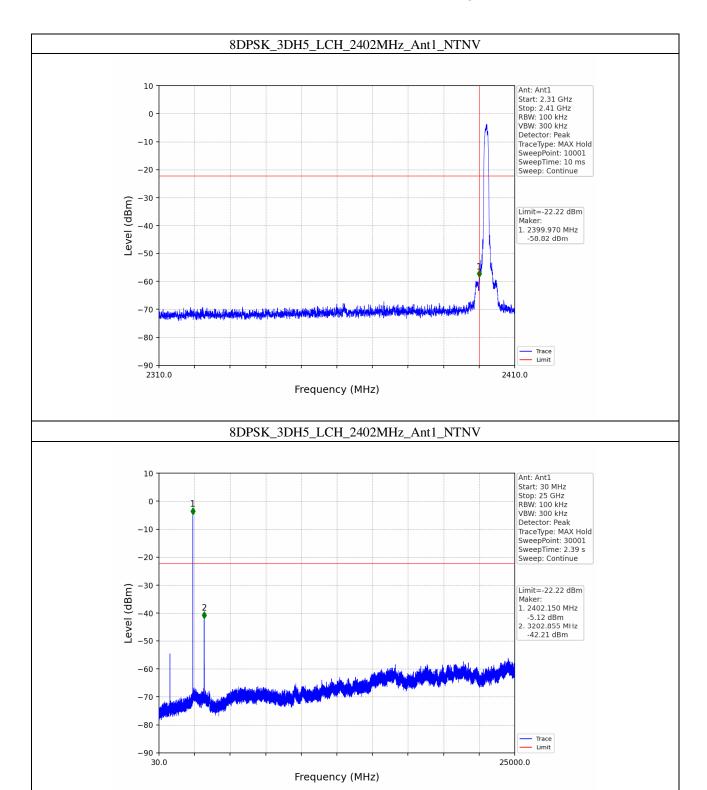
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Page: 94 of 97





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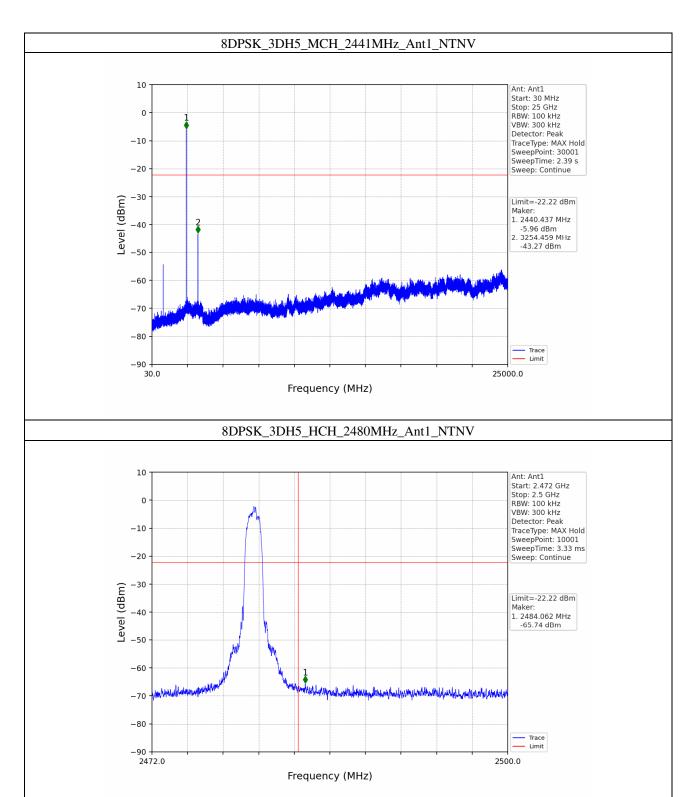
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Page: 95 of 97





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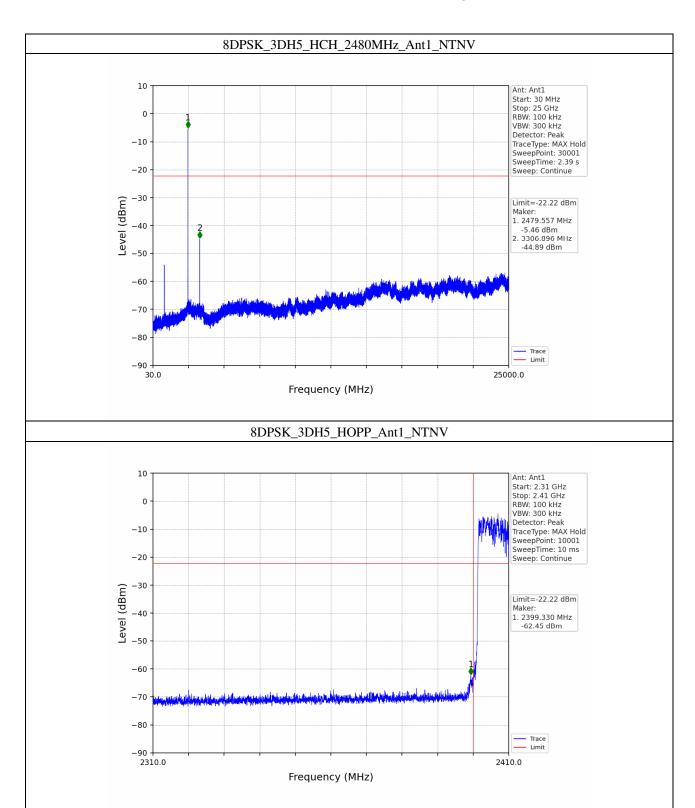
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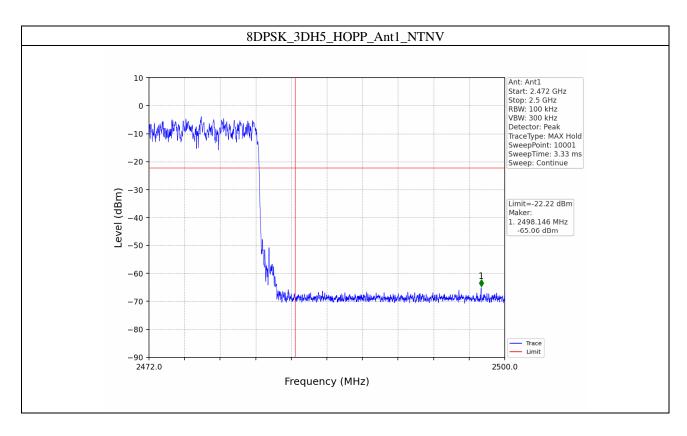
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97 of 97 Page:



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