

7.4. Number Of Hopping Channel

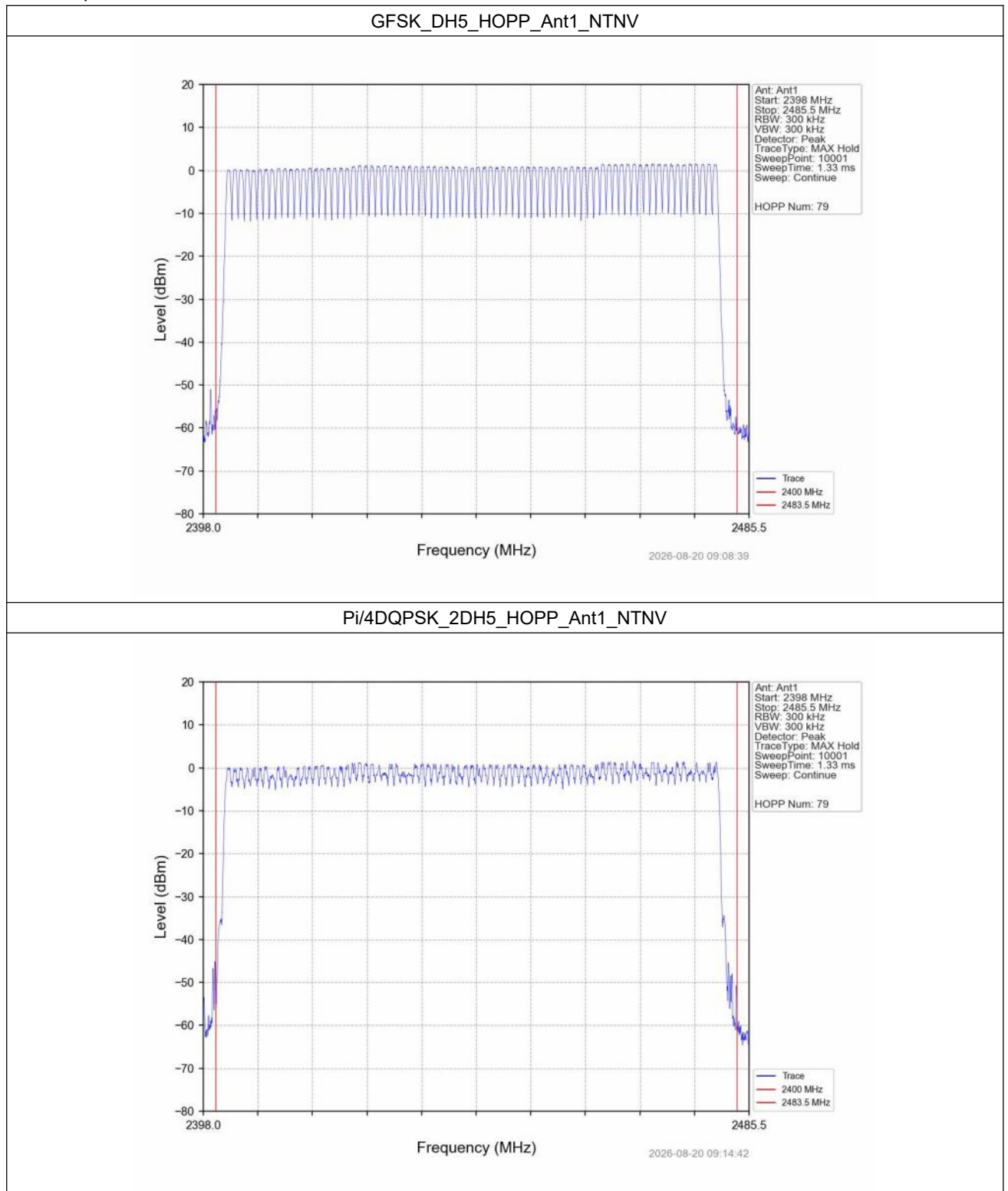
Test Result

Left:

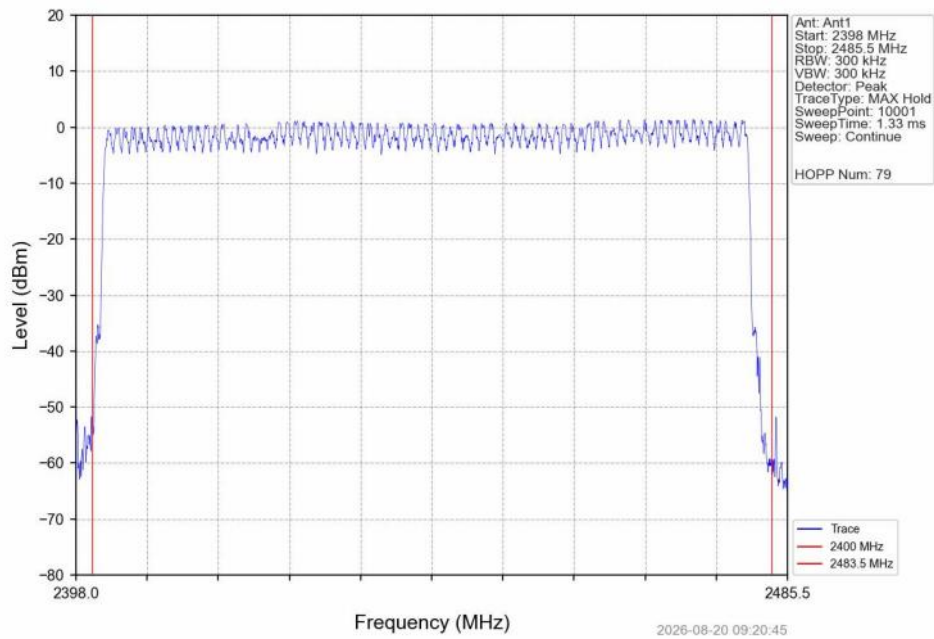
Test Result

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

Test Graph



8DPSK_3DH5_HOPP_Ant1_NTNV

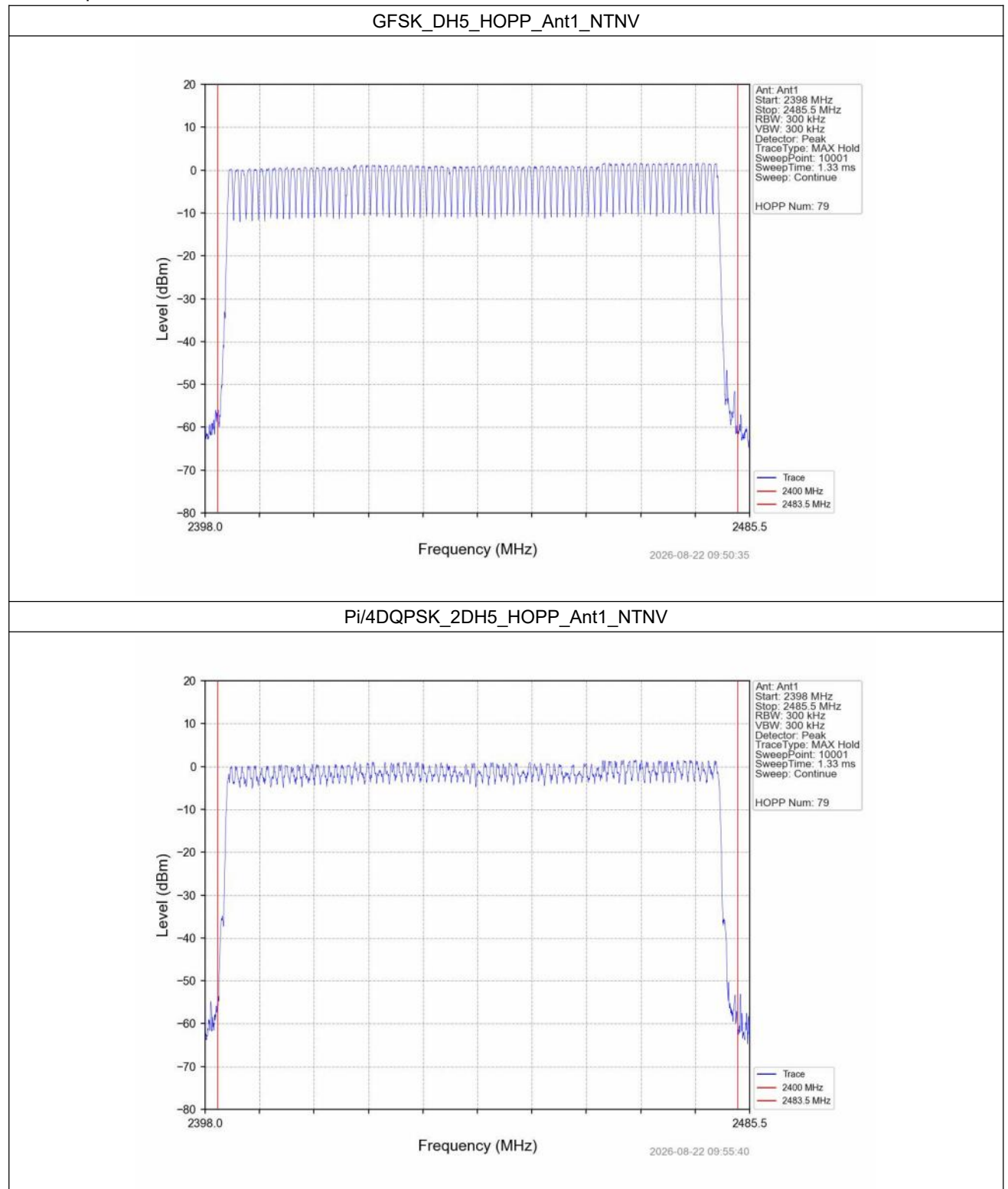


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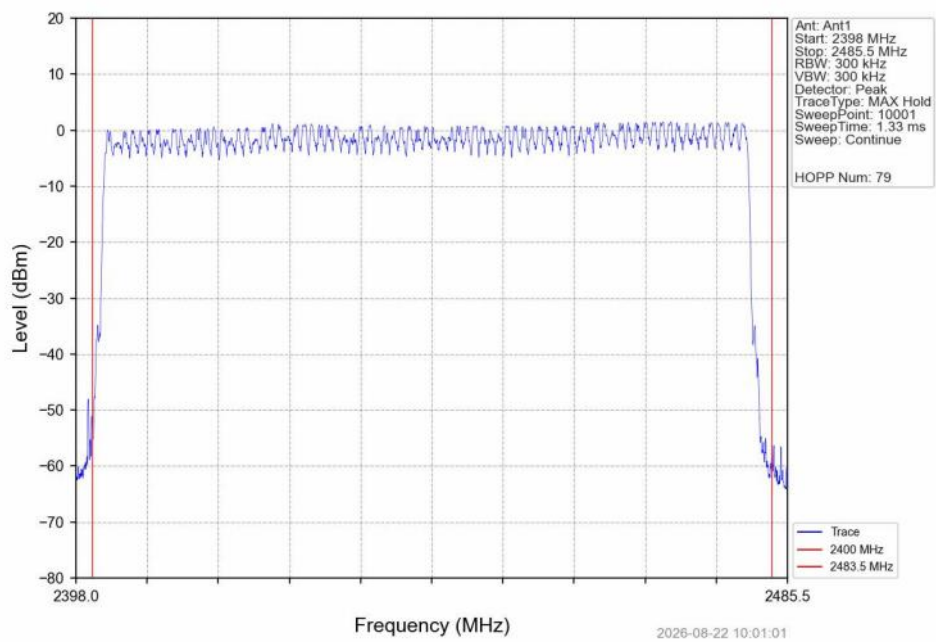
Test Result

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

Test Graph



8DPSK_3DH5_HOPP_Ant1_NTNV



7.5. Duty Cycle

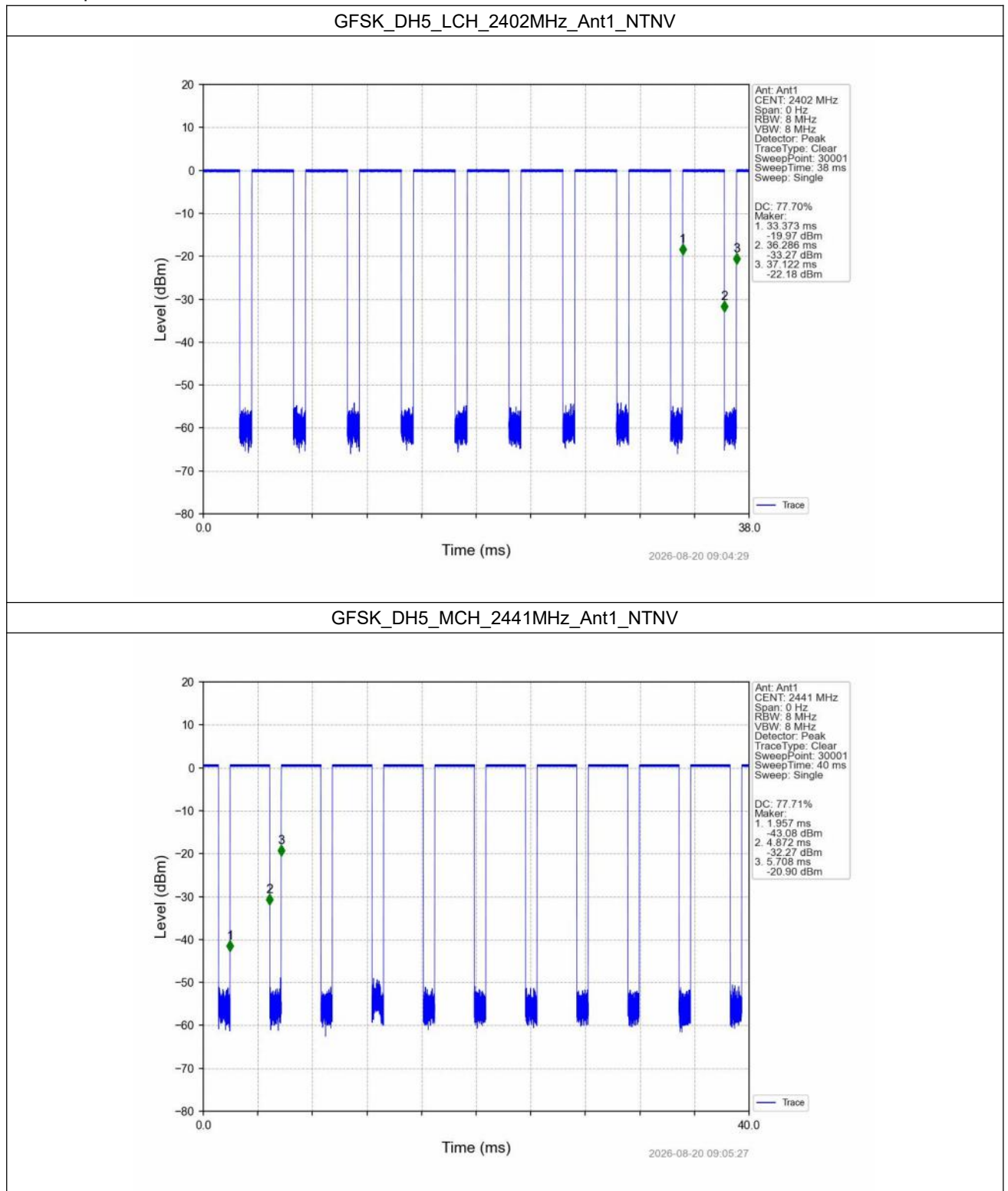
Test Result

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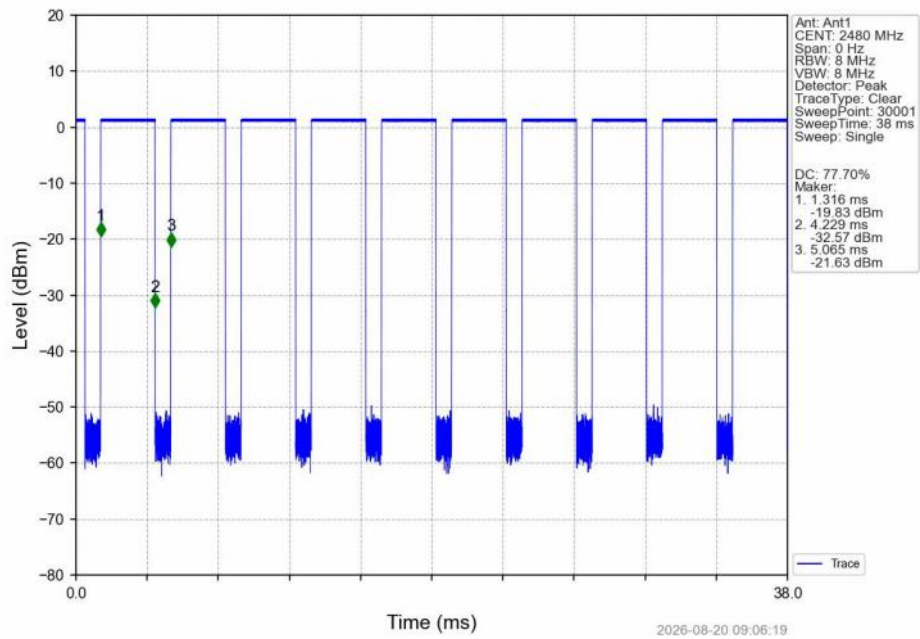
Test Result

Ant1								
Mode	TX Type	Frequency (MHz)	Packet Type	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2402	DH5	2.913	3.749	77.70	1.10	0.03
		2441	DH5	2.915	3.751	77.71	1.10	0.03
		2480	DH5	2.913	3.749	77.70	1.10	0.01
Pi/4DQPSK	SISO	2402	2DH5	2.920	3.751	77.85	1.09	0.03
		2441	2DH5	2.920	3.751	77.85	1.09	0.03
		2480	2DH5	2.920	3.750	77.87	1.09	0.03
8DPSK	SISO	2402	3DH5	2.922	3.749	77.94	1.08	0.03
		2441	3DH5	2.924	3.751	77.95	1.08	0.03
		2480	3DH5	2.923	3.750	77.95	1.08	0.01

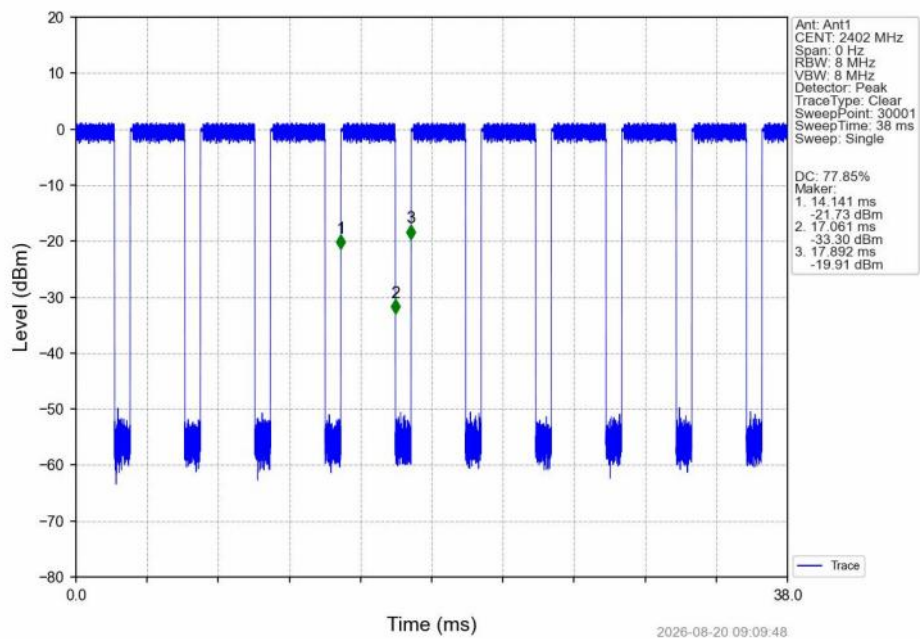
Test Graph



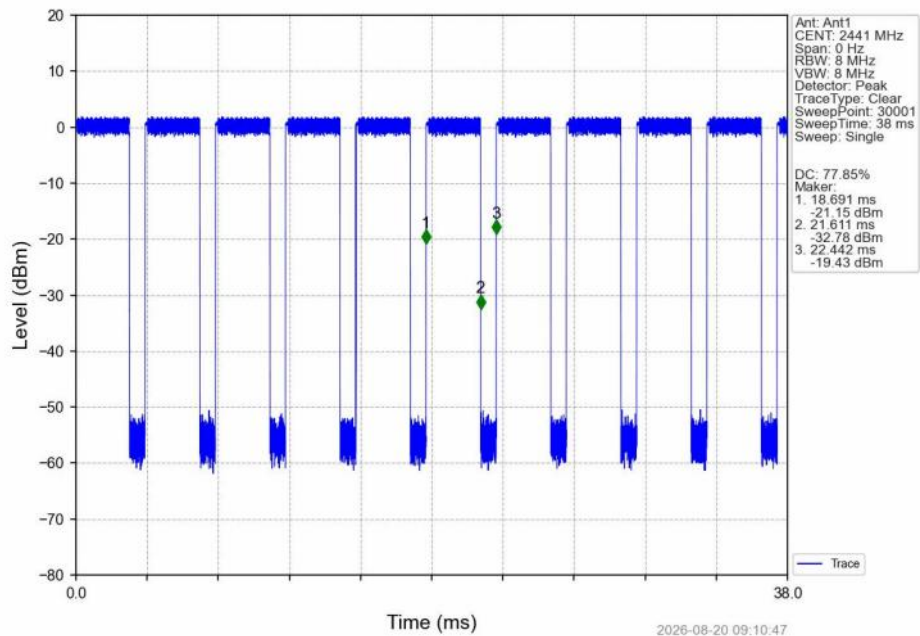
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



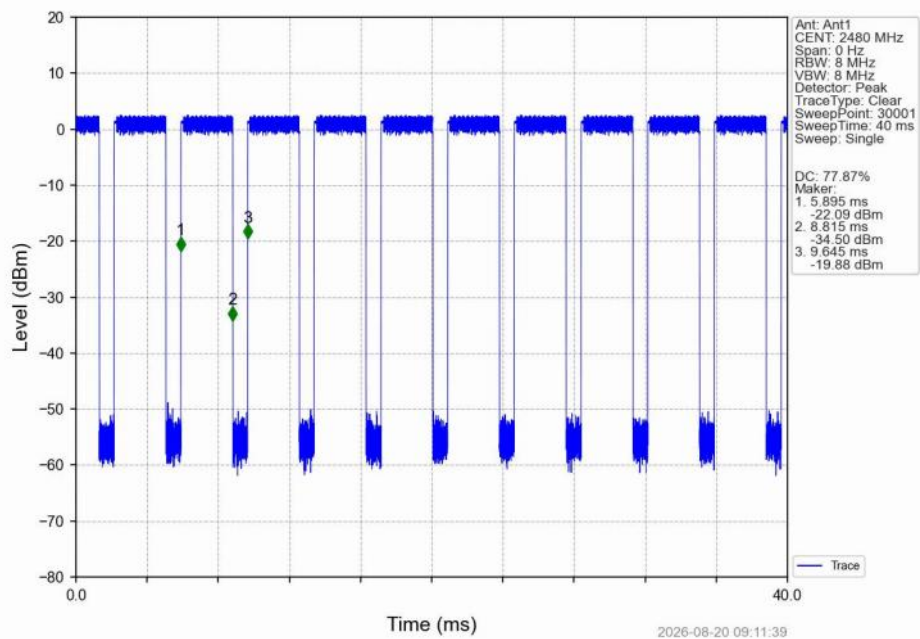
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



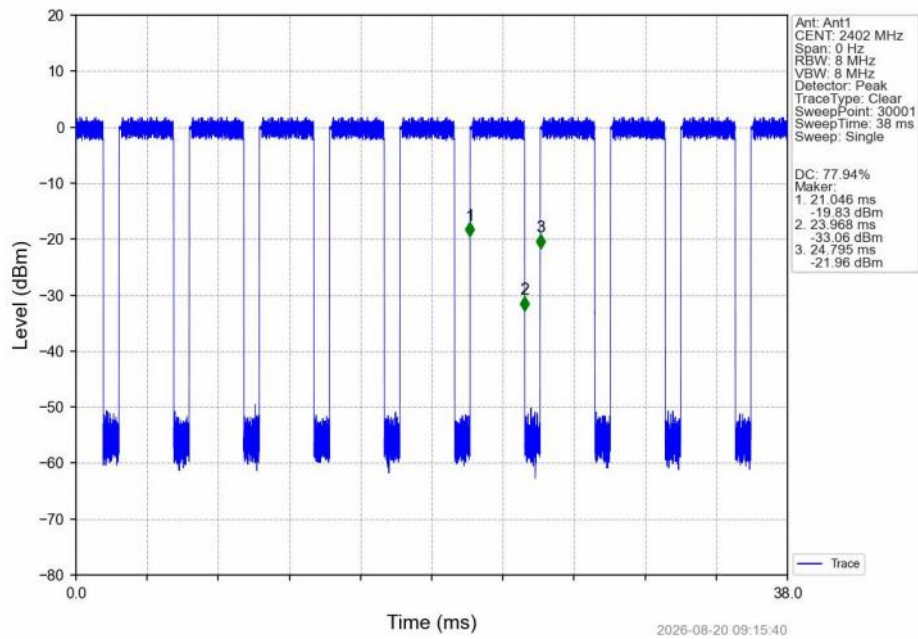
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



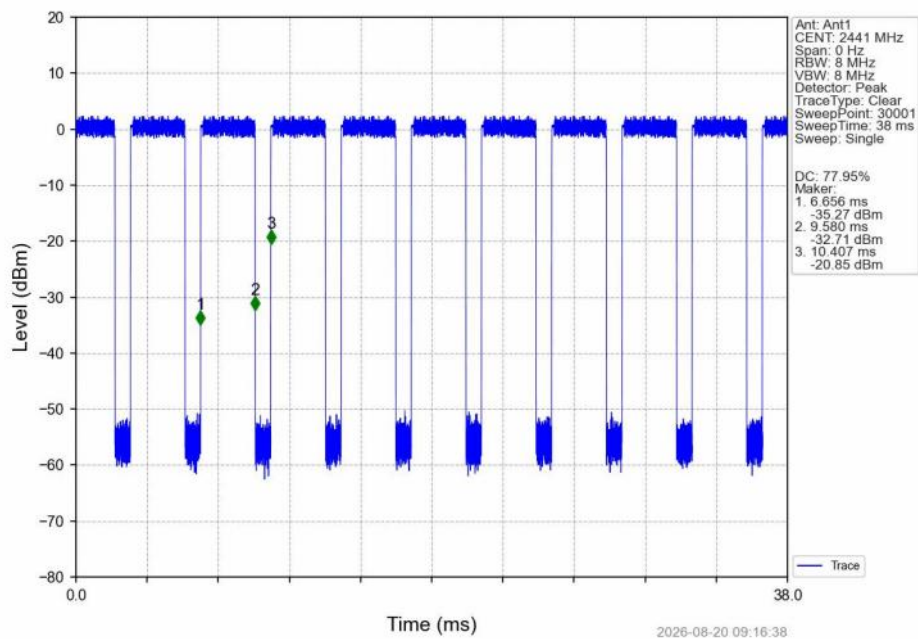
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV

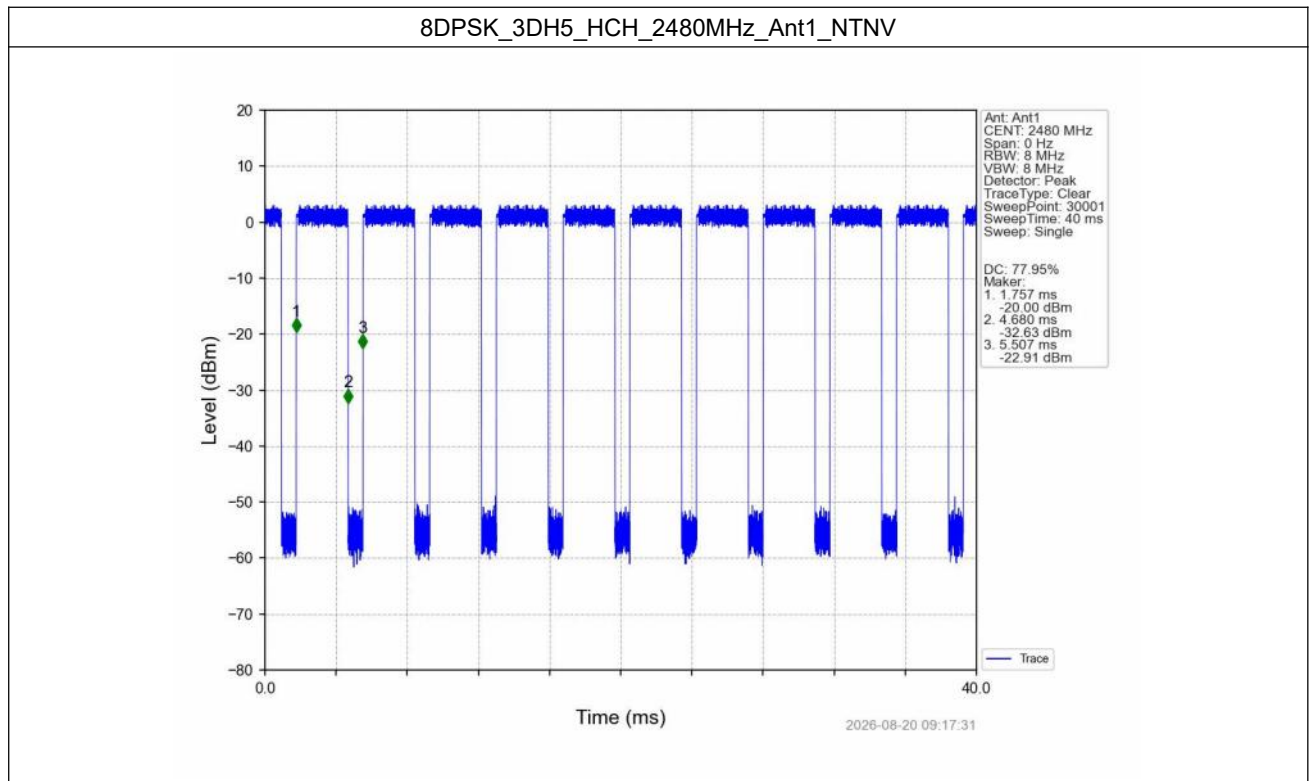


8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV





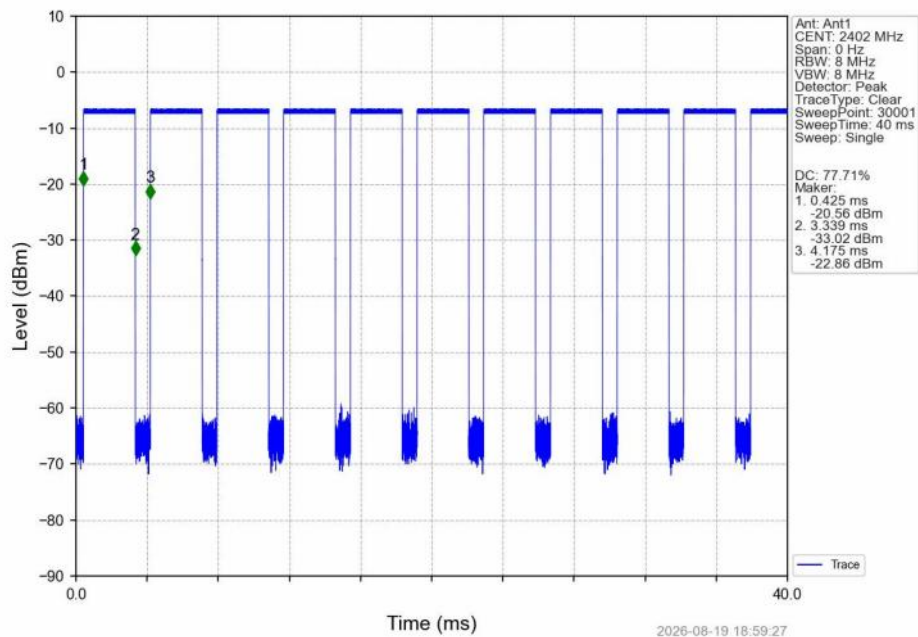
Right:

Test Result

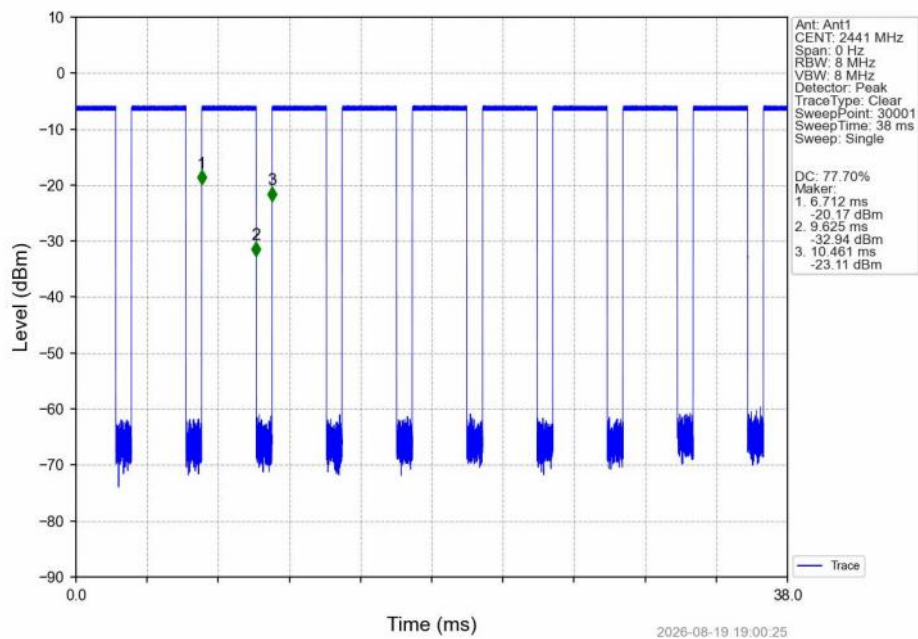
Ant1								
Mode	Tx Type	Frequency (MHz)	Packet Type	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
GFSK	SISO	2402	DH5	2.914	3.750	77.71	1.10	0.01
		2441	DH5	2.913	3.749	77.70	1.10	0.03
		2480	DH5	2.913	3.749	77.70	1.10	0.03
Pi/4DQPSK	SISO	2402	2DH5	2.920	3.749	77.89	1.09	0.01
		2441	2DH5	2.919	3.749	77.86	1.09	0.01
		2480	2DH5	2.919	3.749	77.86	1.09	0.01
8DPSK	SISO	2402	3DH5	2.922	3.749	77.94	1.08	0.03
		2441	3DH5	2.924	3.751	77.95	1.08	0.03
		2480	3DH5	2.922	3.749	77.94	1.08	0.01

Test Graph

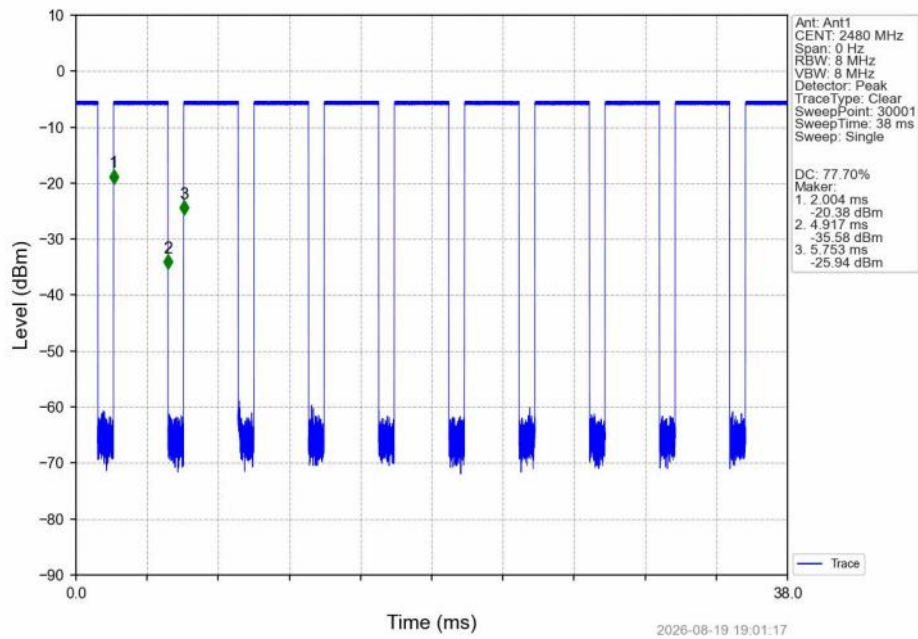
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



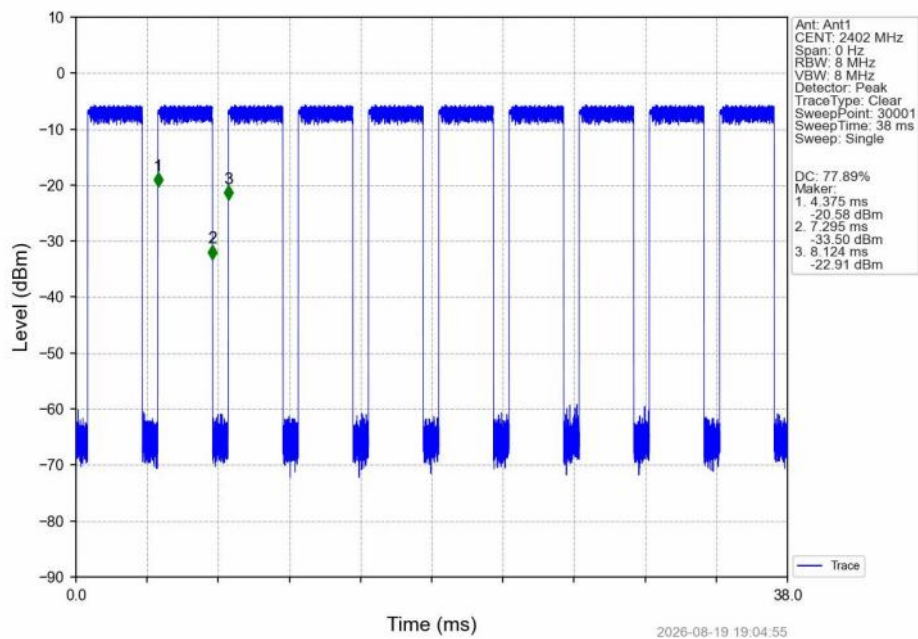
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



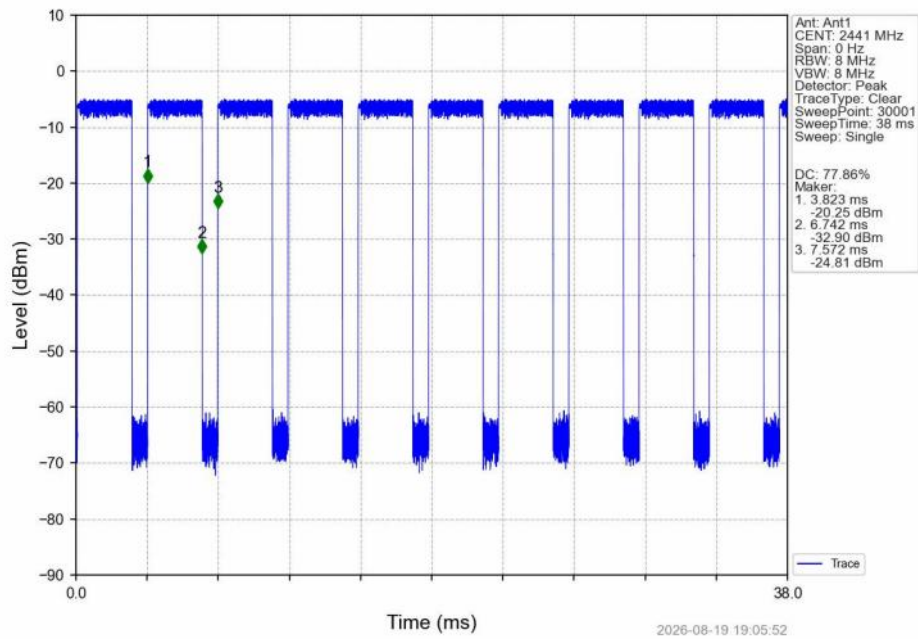
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



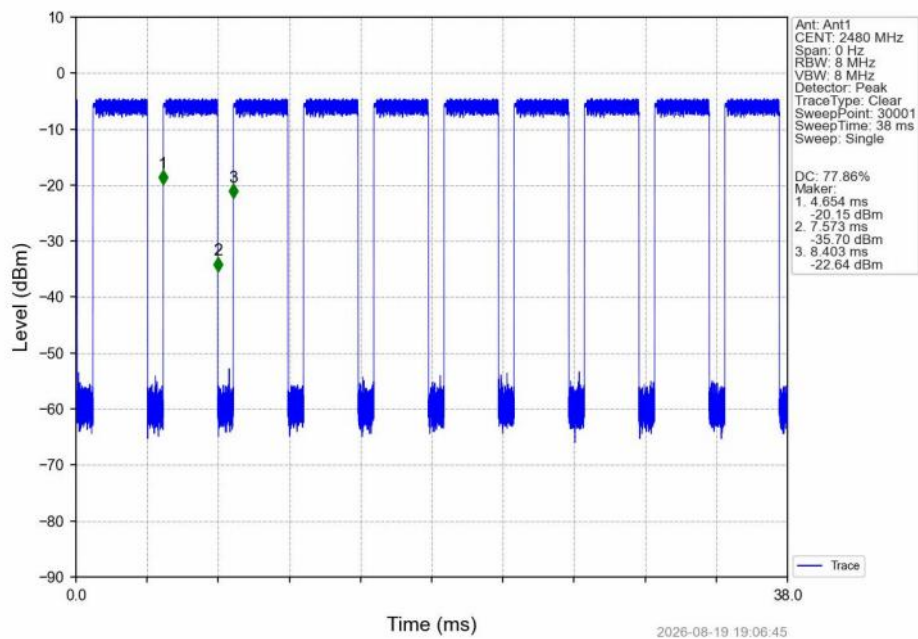
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



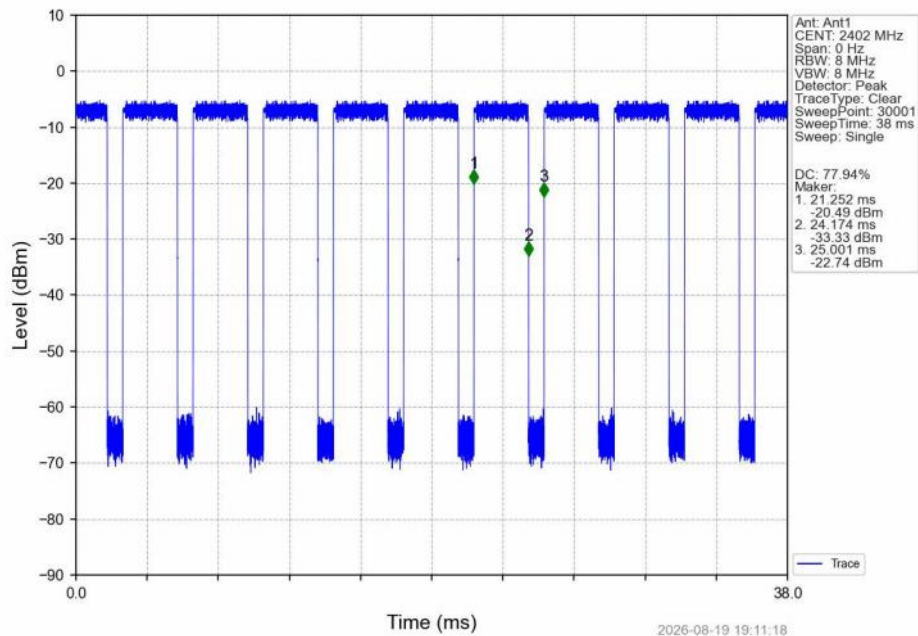
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



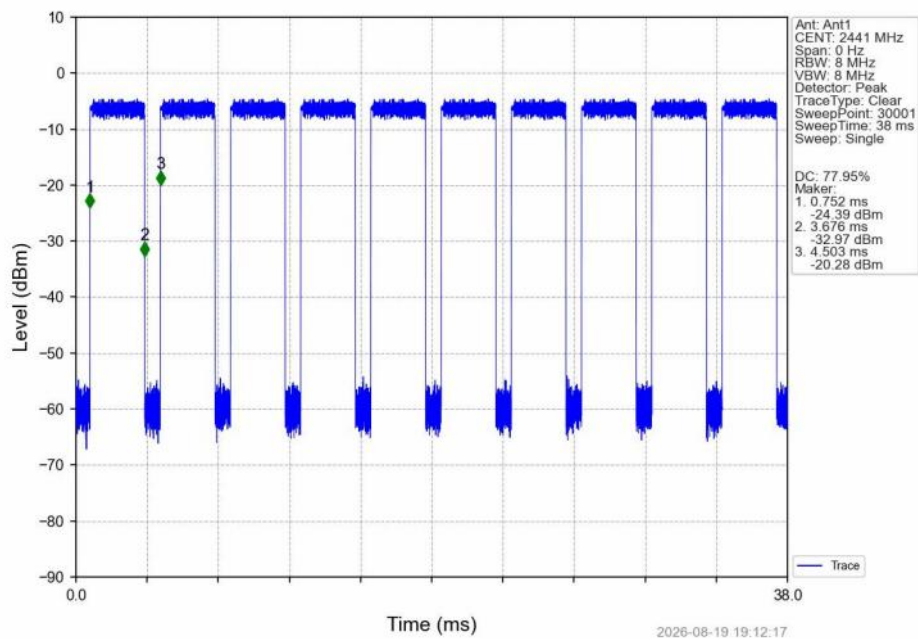
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



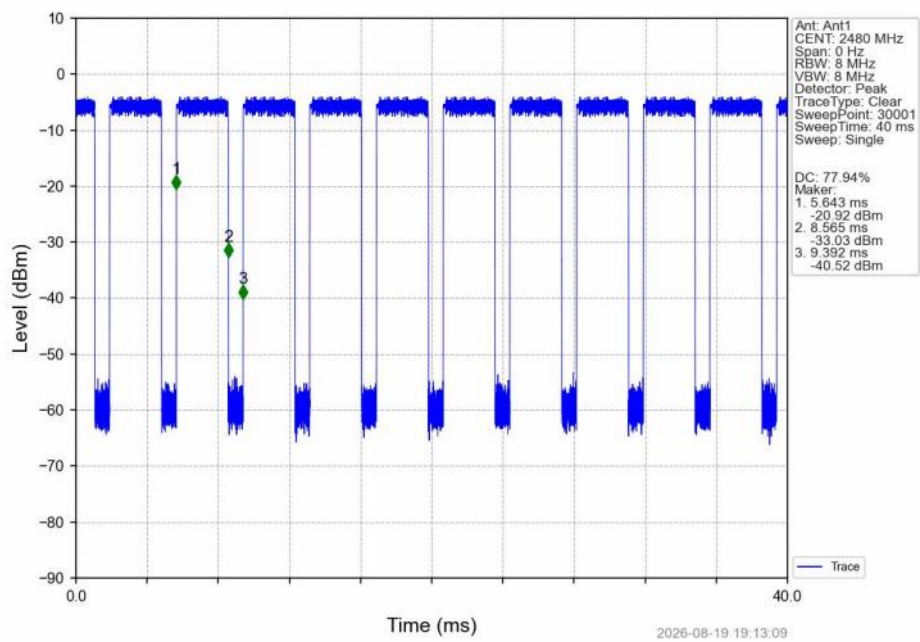
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



7.6. Dwell Time

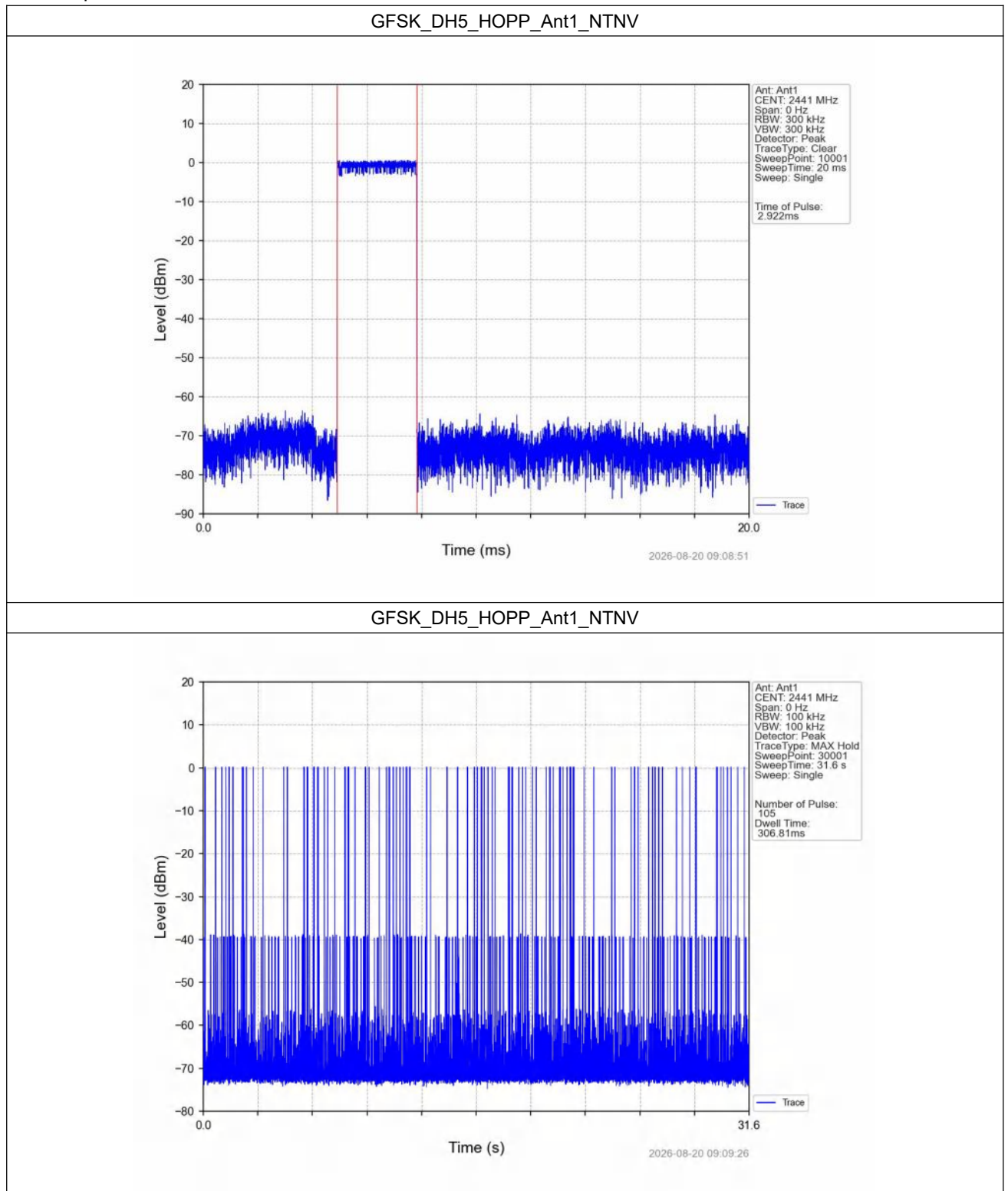
Test Result

Left:

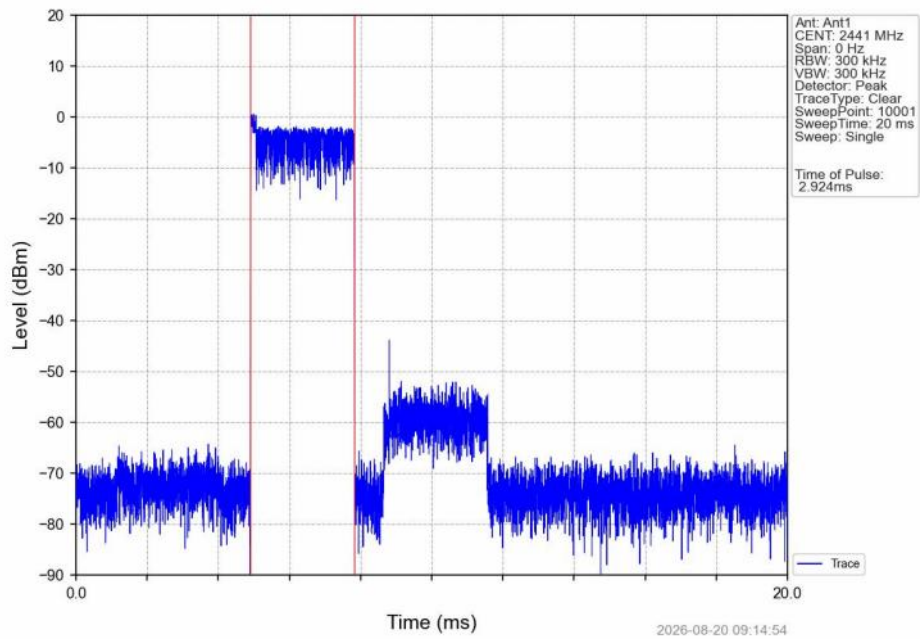
Test Result

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	DH5	2.922	31.600	105	306.810	<=400	Pass
PI/4DQPSK	SISO	HOPP	2DH5	2.924	31.600	105	307.020	<=400	Pass
8DPSK	SISO	HOPP	3DH5	2.930	31.600	104	304.720	<=400	Pass

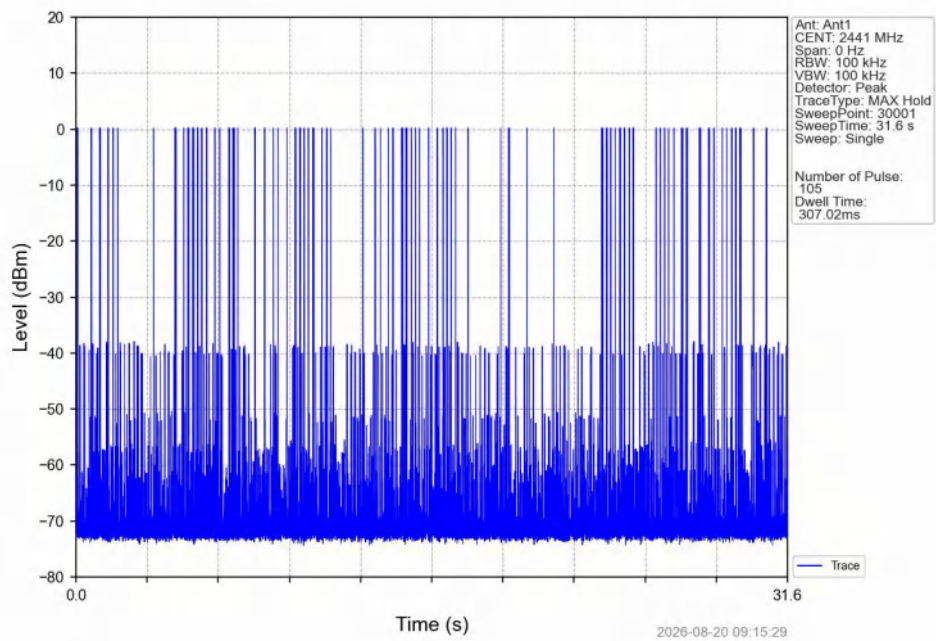
Test Graph



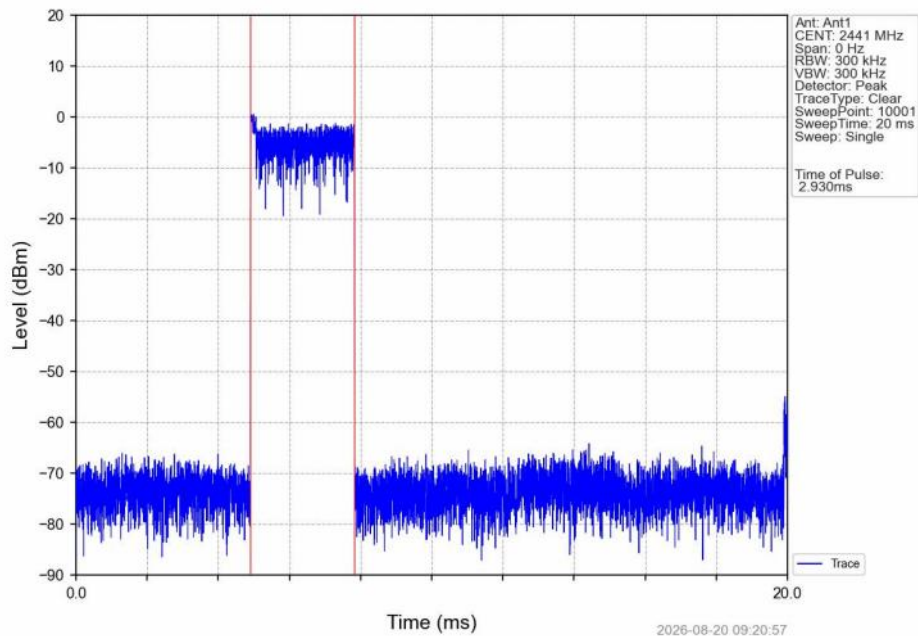
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



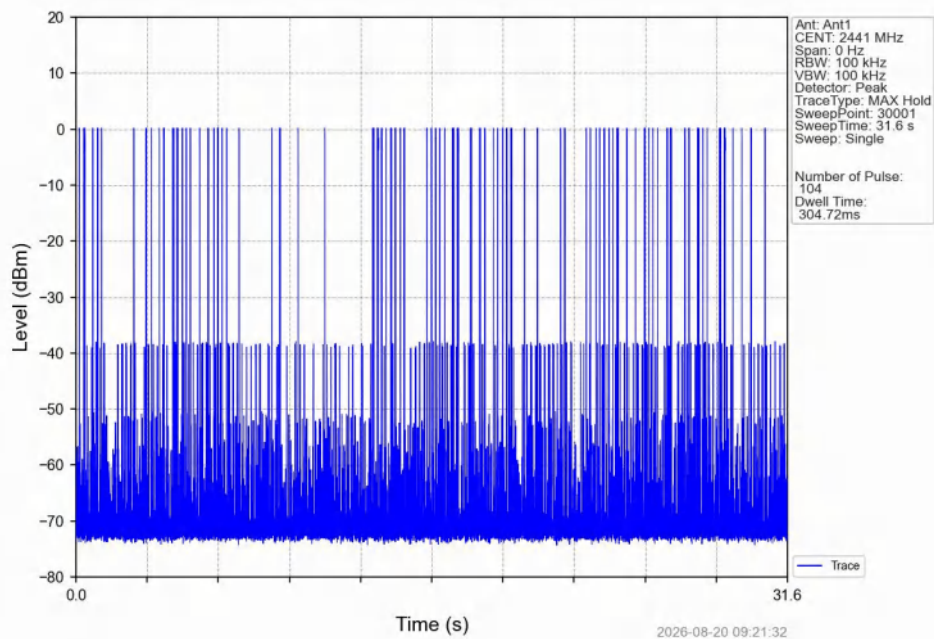
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV

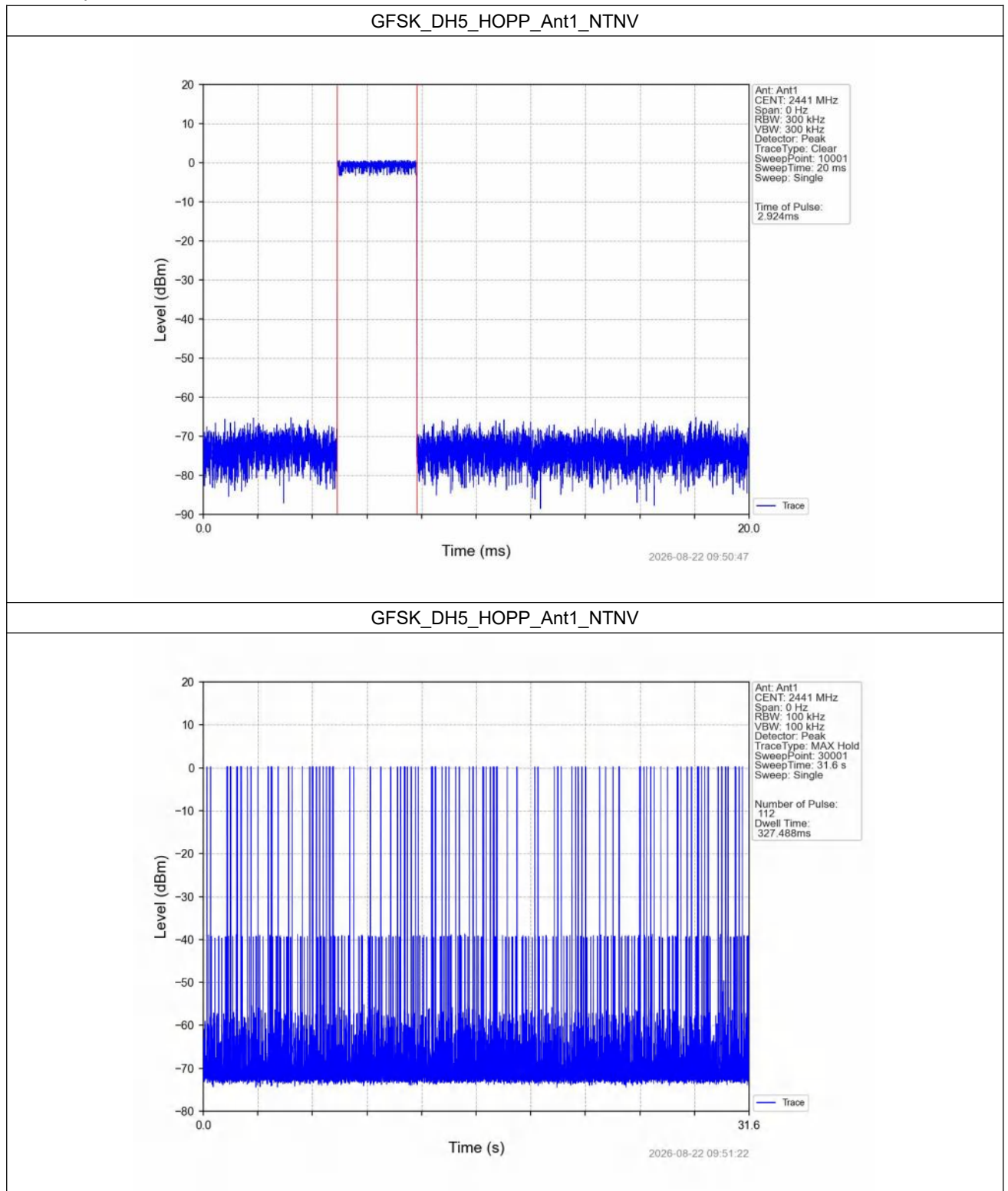


Right:

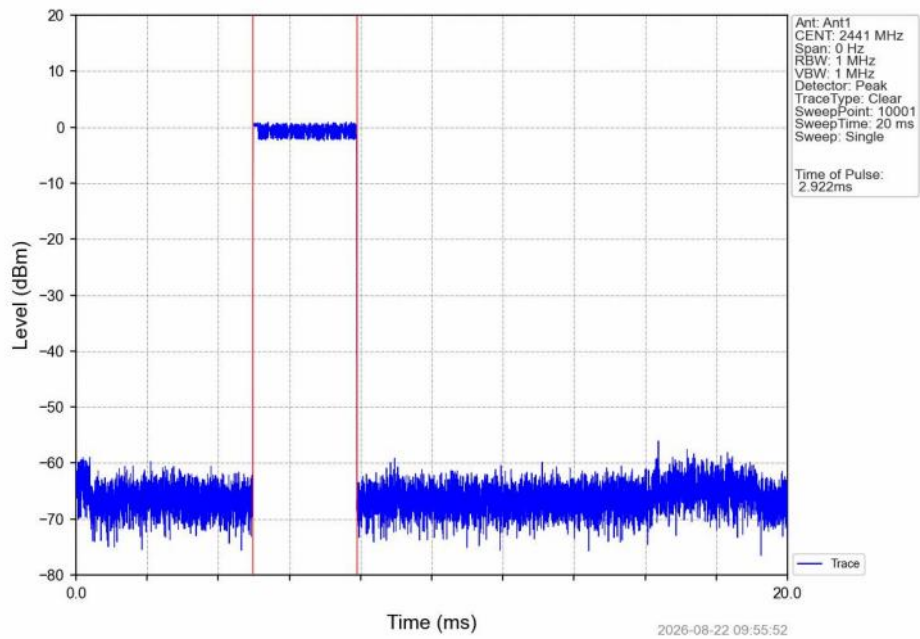
Test Result

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	DH5	2.924	31.600	112	327.488	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	2.922	31.600	94	274.668	<=400	Pass
8DPSK	SISO	HOPP	3DH5	2.922	31.600	108	315.576	<=400	Pass

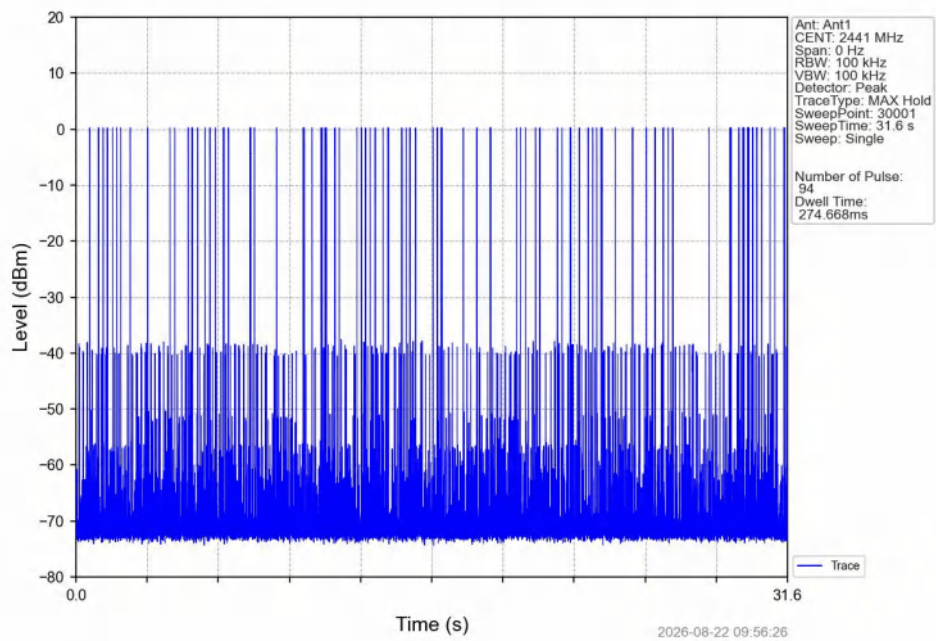
Test Graph



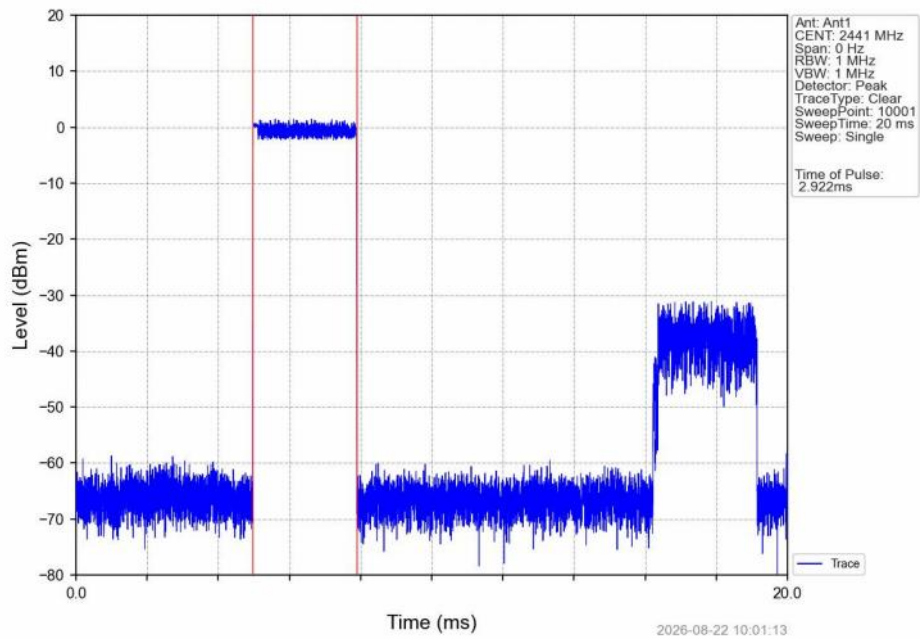
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



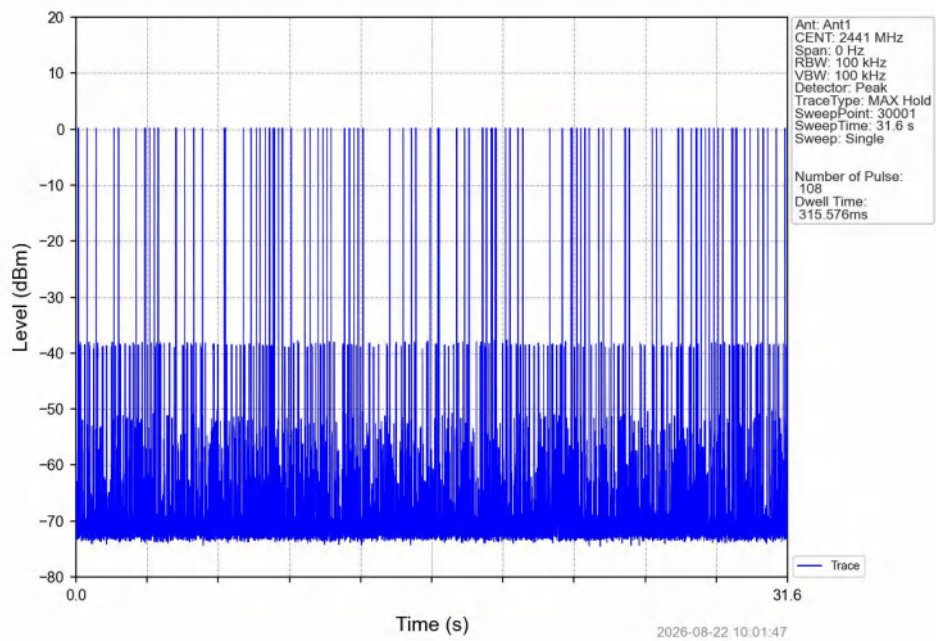
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



7.7. Conducted Spurious & Band Edge Emission

Test Result

Left:

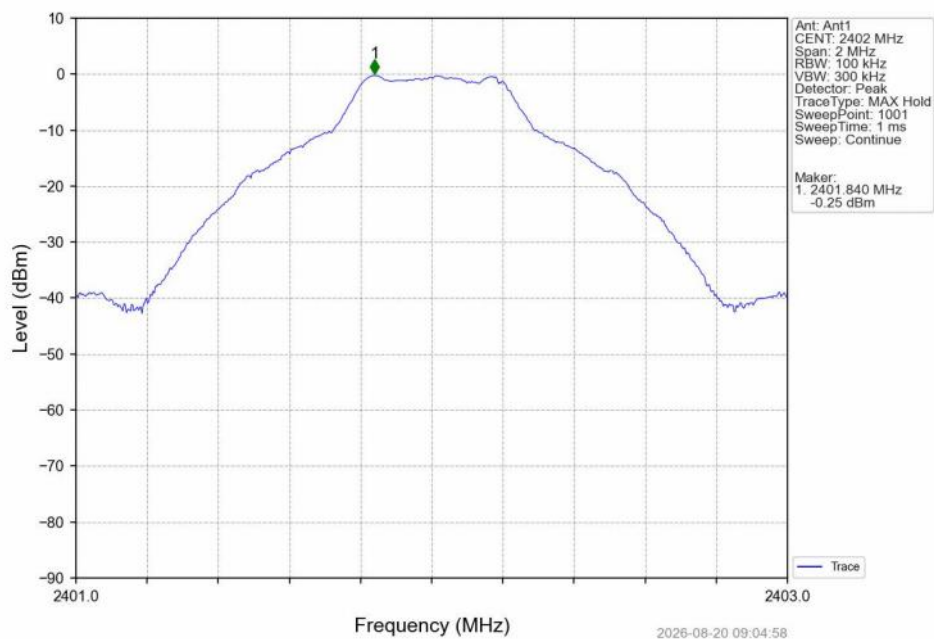
Test Result

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-0.25
		2441	DH5	1	0.44
		2480	DH5	1	1.14
Pi/4DQPSK	SISO	2402	2DH5	1	-0.21
		2441	2DH5	1	0.48
		2480	2DH5	1	1.15
8DPSK	SISO	2402	3DH5	1	-0.27
		2441	3DH5	1	0.43
		2480	3DH5	1	1.14

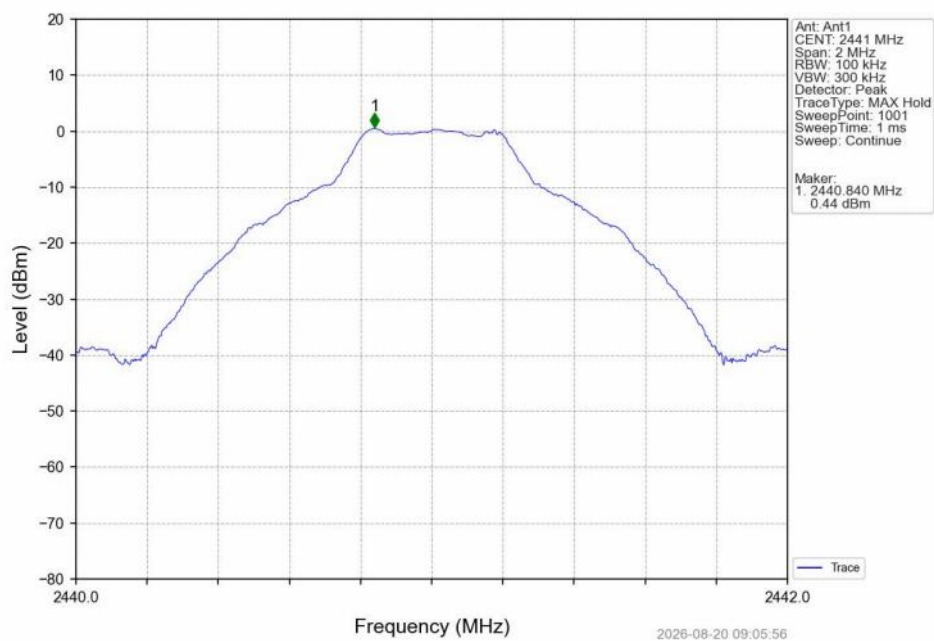
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	1.14	-18.86	Pass
		2441	DH5	1	1.14	-18.86	Pass
		2480	DH5	1	1.14	-18.86	Pass
		HOPP	DH5	1	1.14	-18.86	Pass
					1.14	-18.86	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.15	-18.85	Pass
		2441	2DH5	1	1.15	-18.85	Pass
		2480	2DH5	1	1.15	-18.85	Pass
		HOPP	2DH5	1	1.15	-18.85	Pass
					1.15	-18.85	Pass
8DPSK	SISO	2402	3DH5	1	1.14	-18.86	Pass
		2441	3DH5	1	1.14	-18.86	Pass
		2480	3DH5	1	1.14	-18.86	Pass
		HOPP	3DH5	1	1.14	-18.86	Pass
					1.14	-18.86	Pass

Test Graph

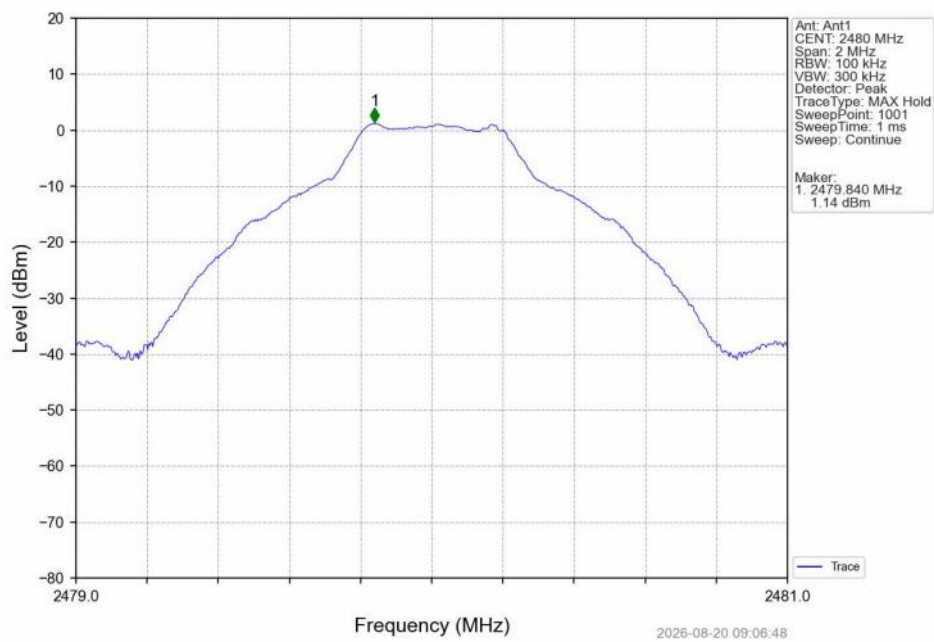
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



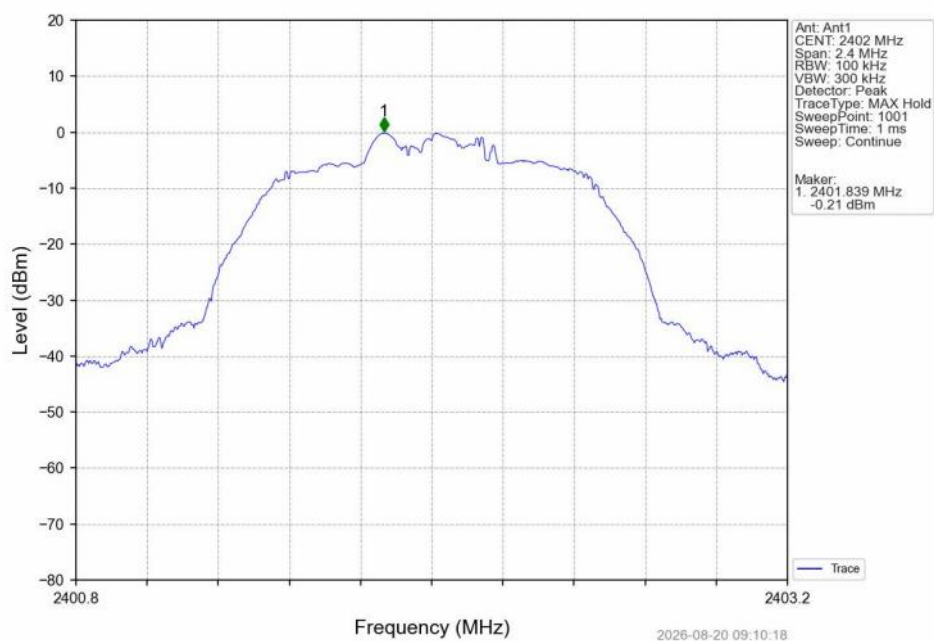
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



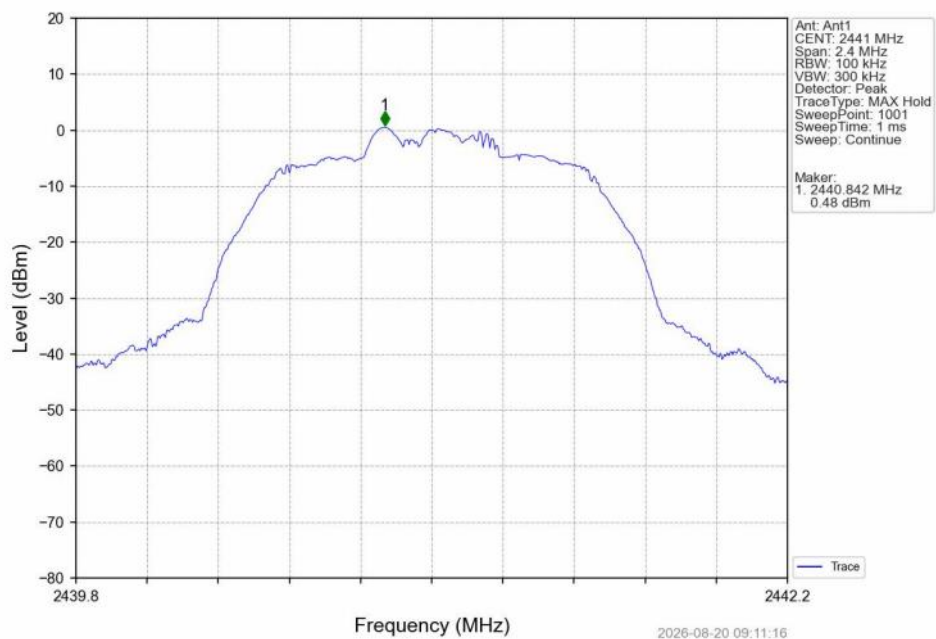
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



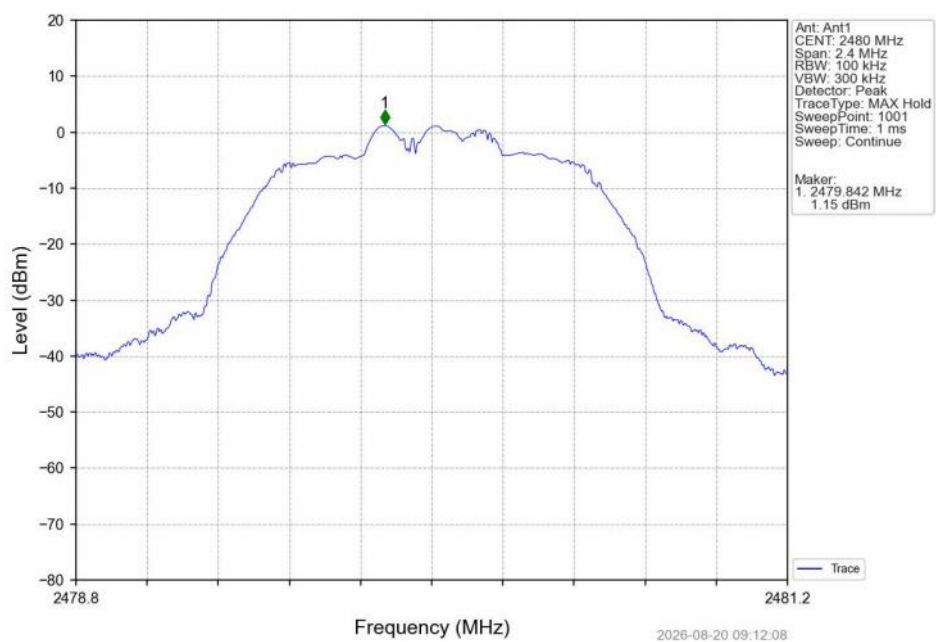
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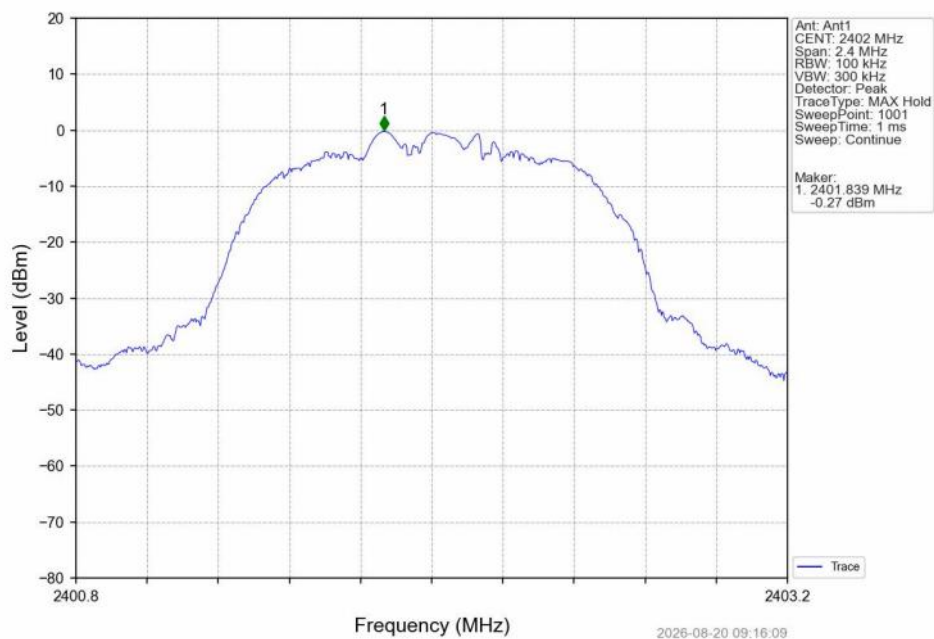
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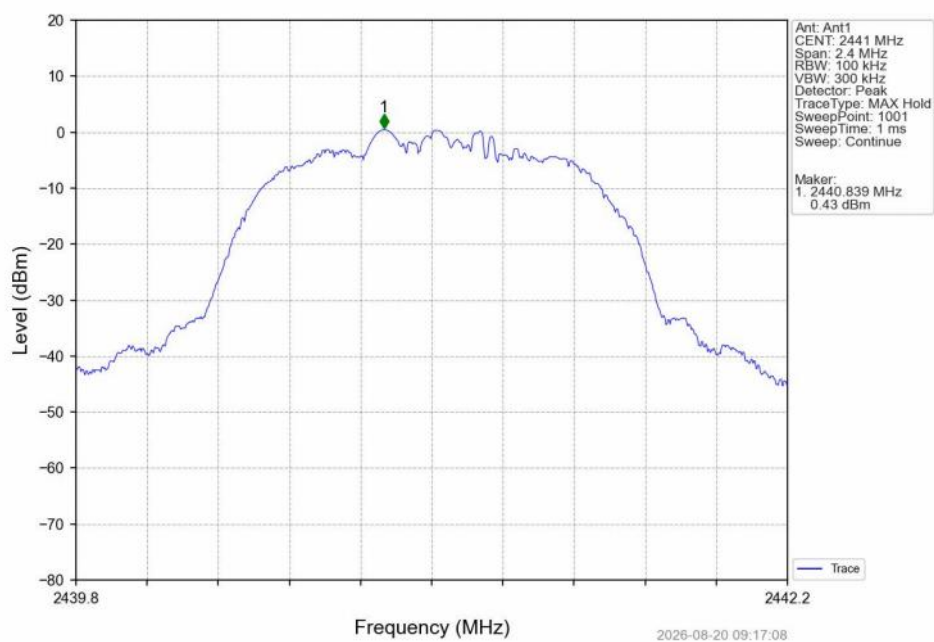
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



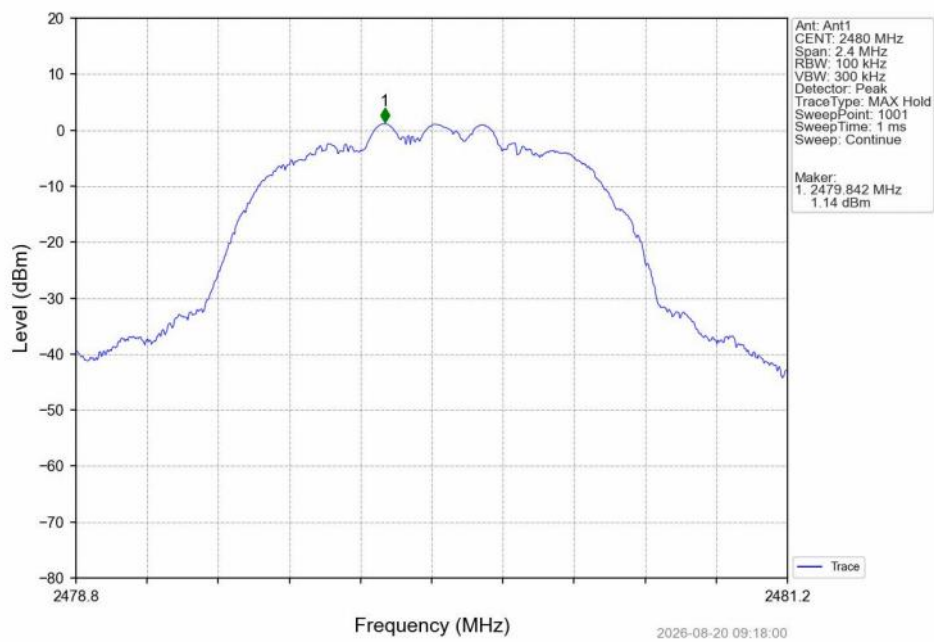
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



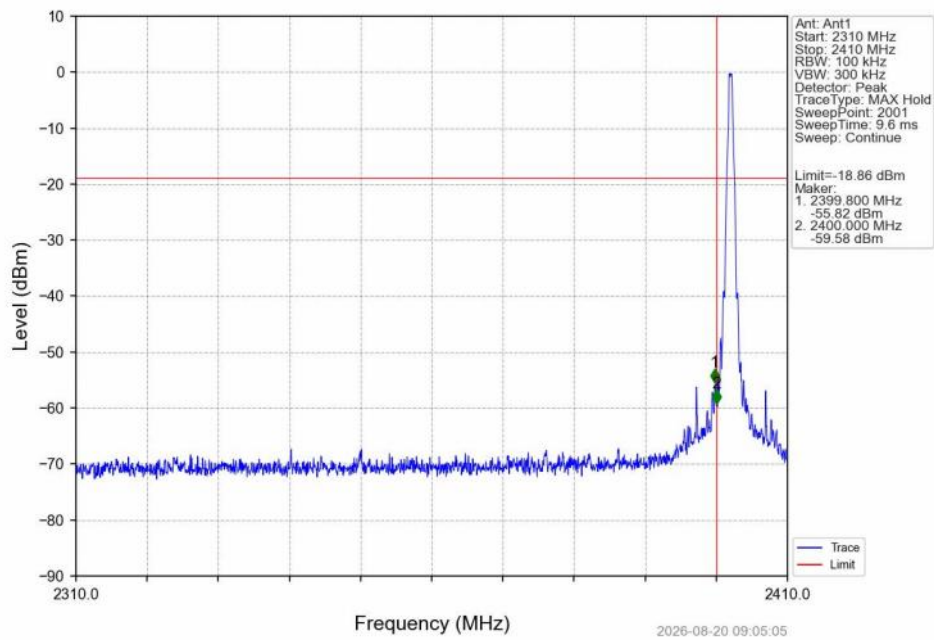
8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



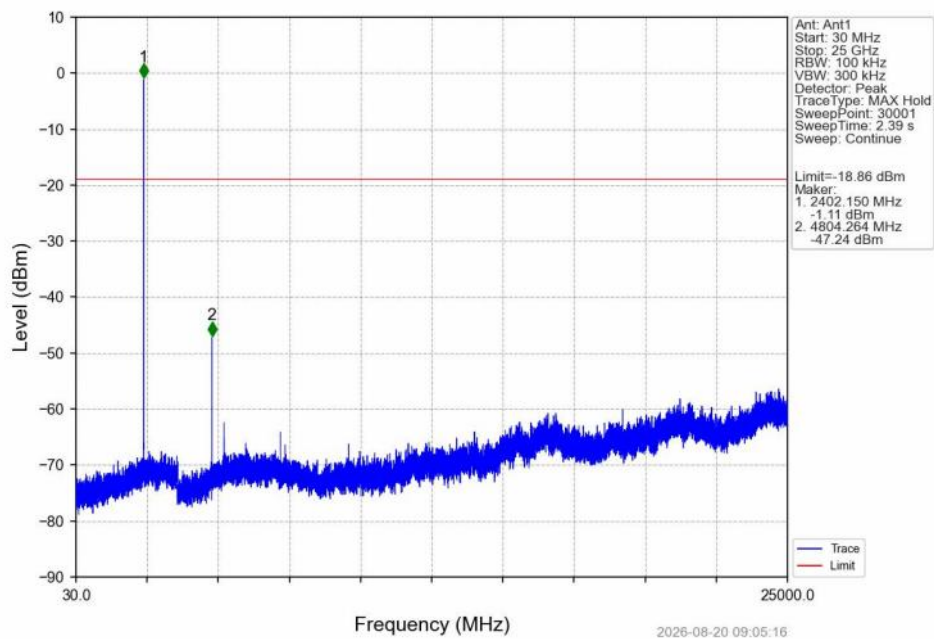
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



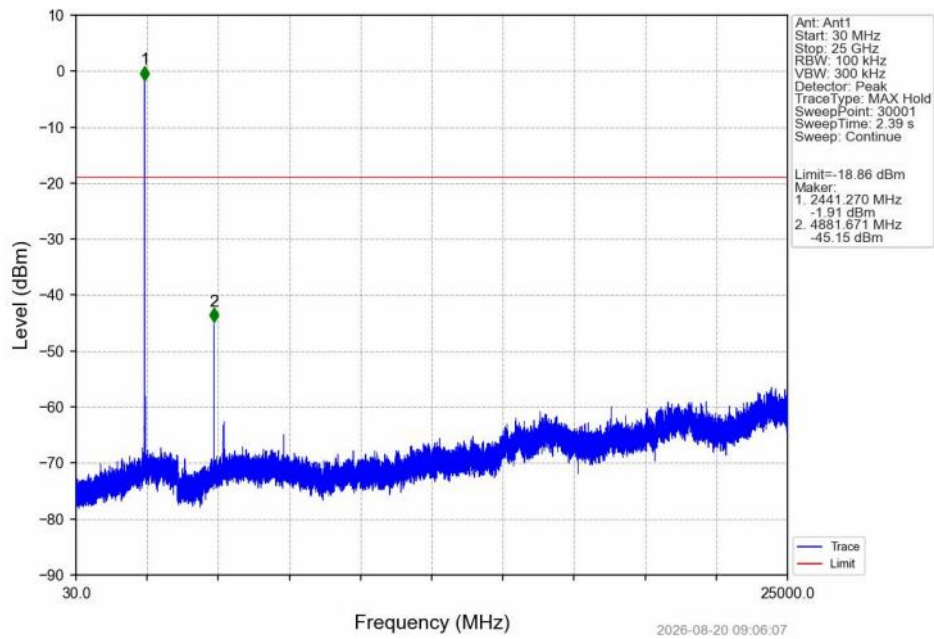
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



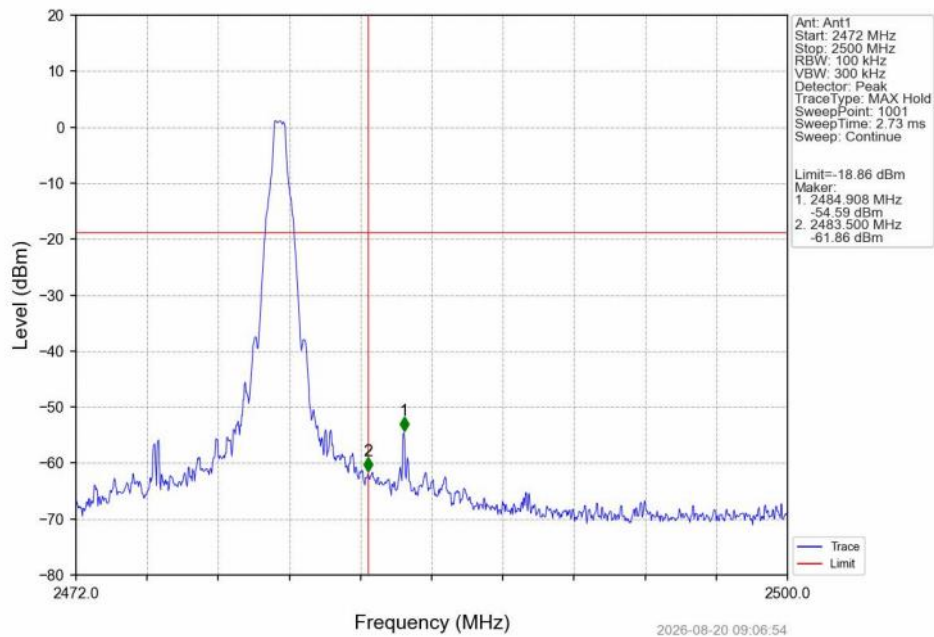
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



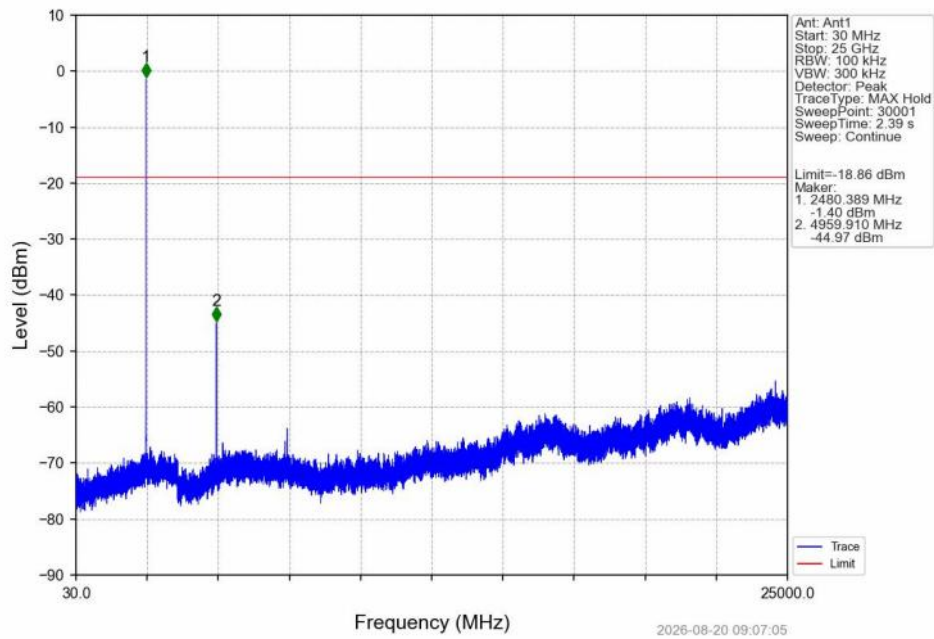
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



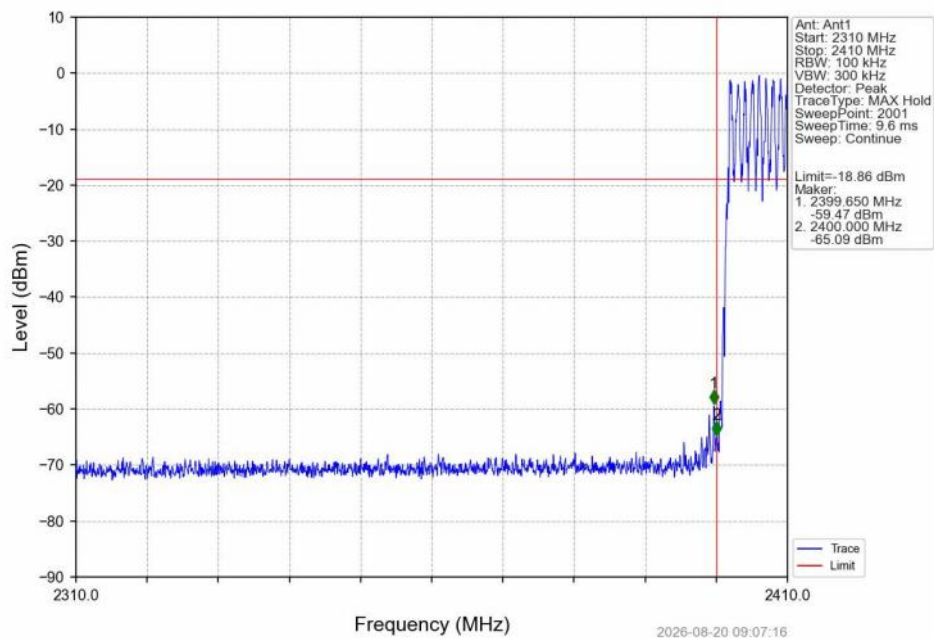
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



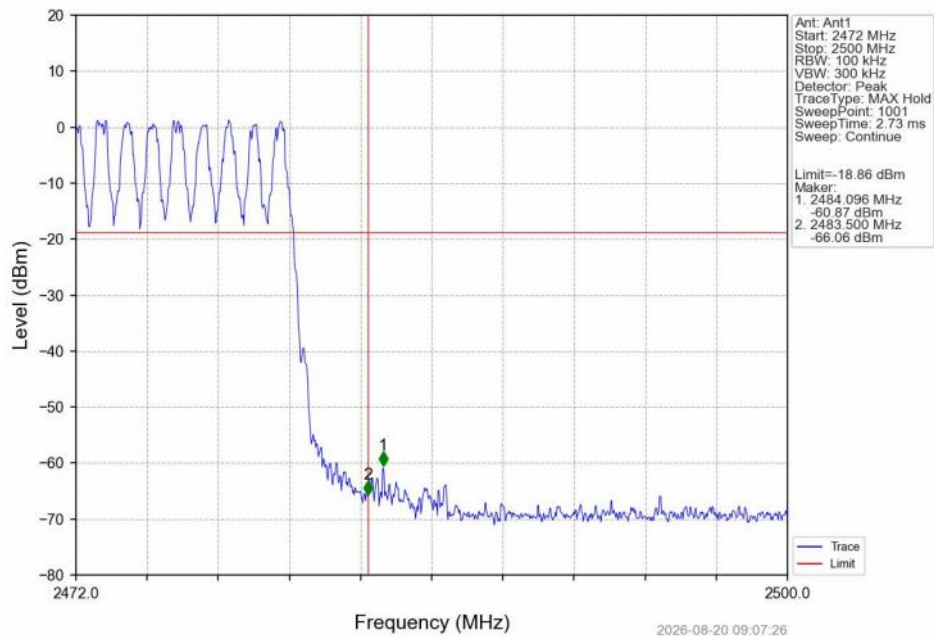
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



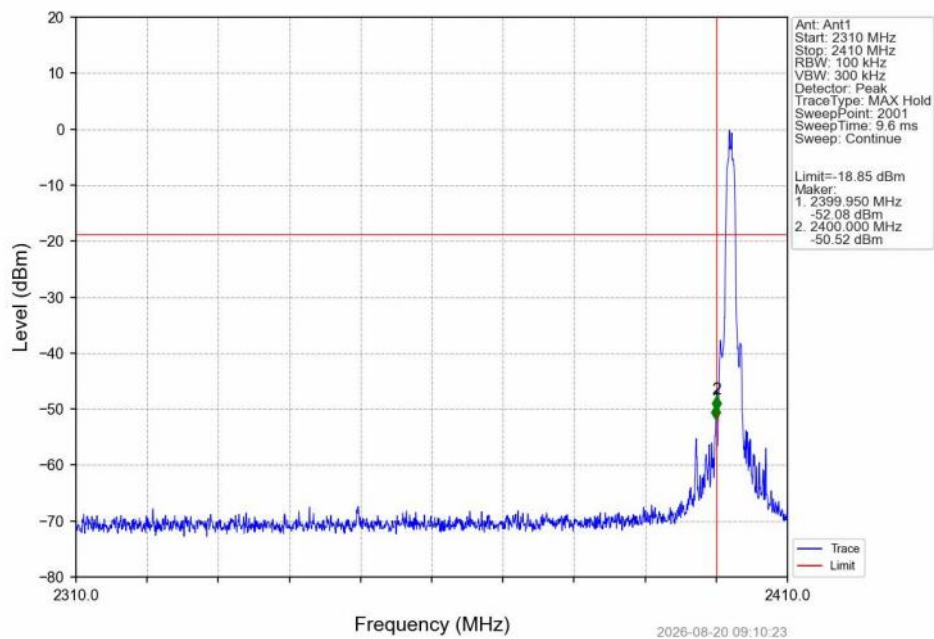
GFSK_DH5_HOPP_Ant1_NTNV



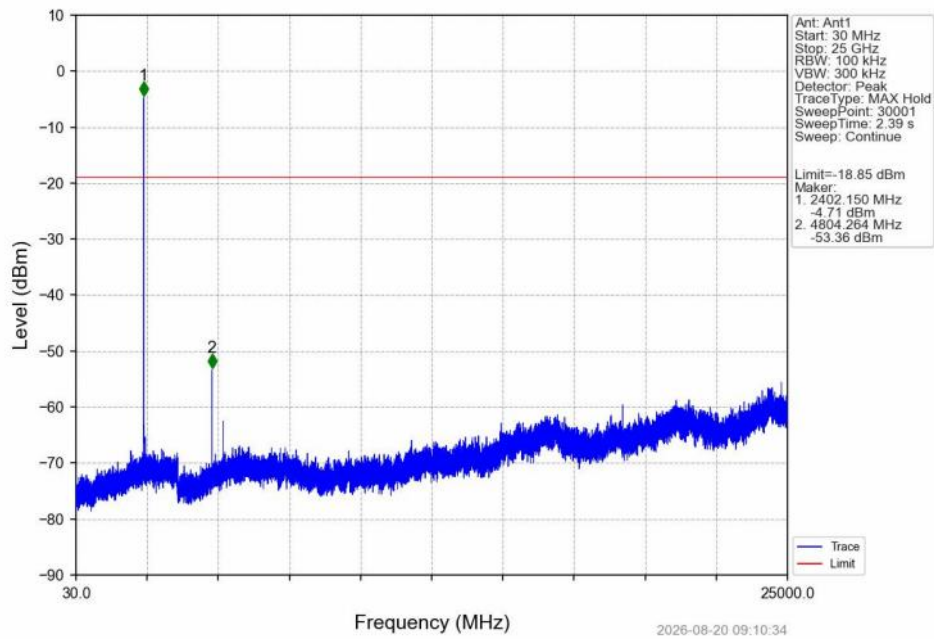
GFSK_DH5_HOPP_Ant1_NTNV



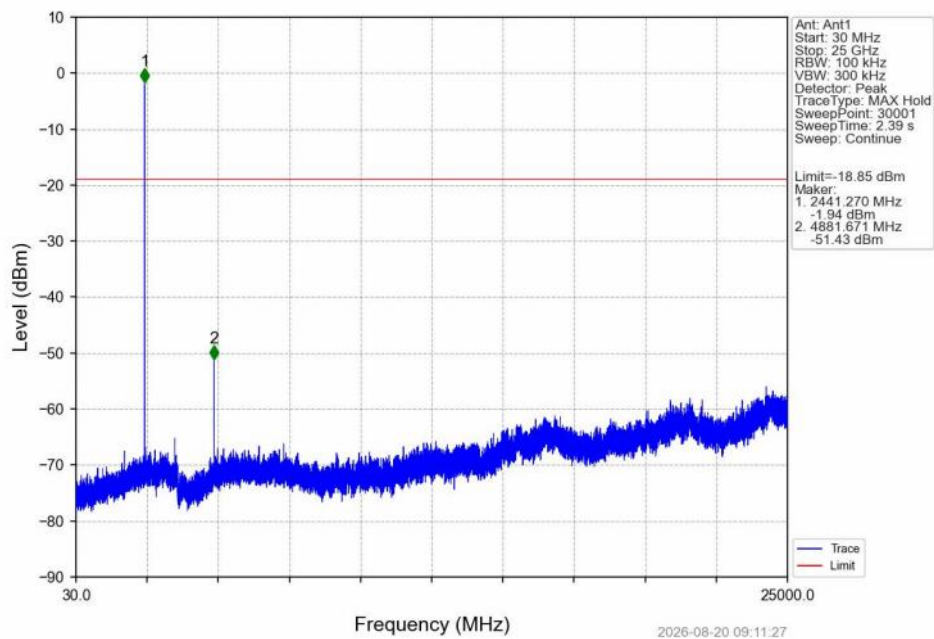
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



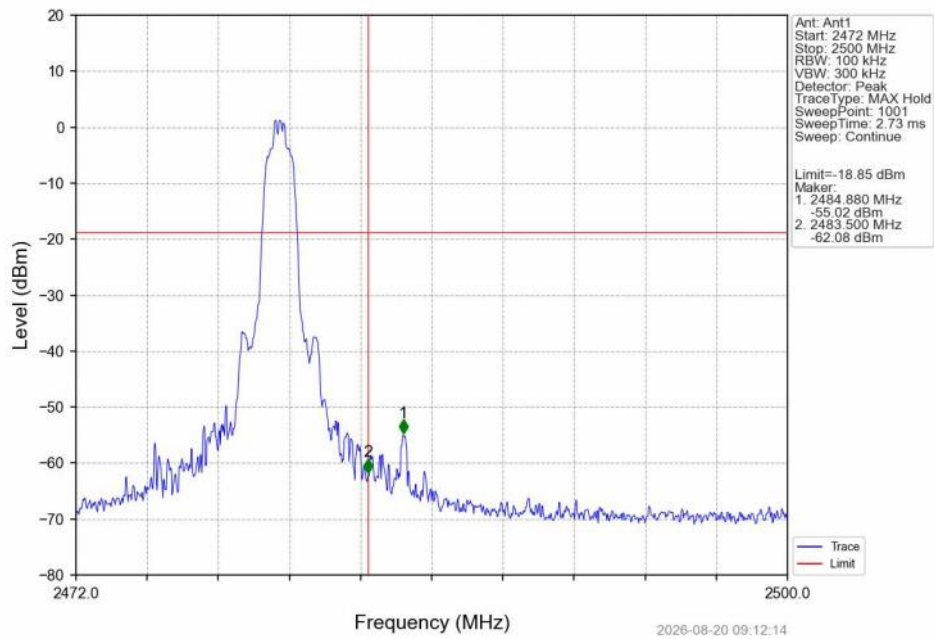
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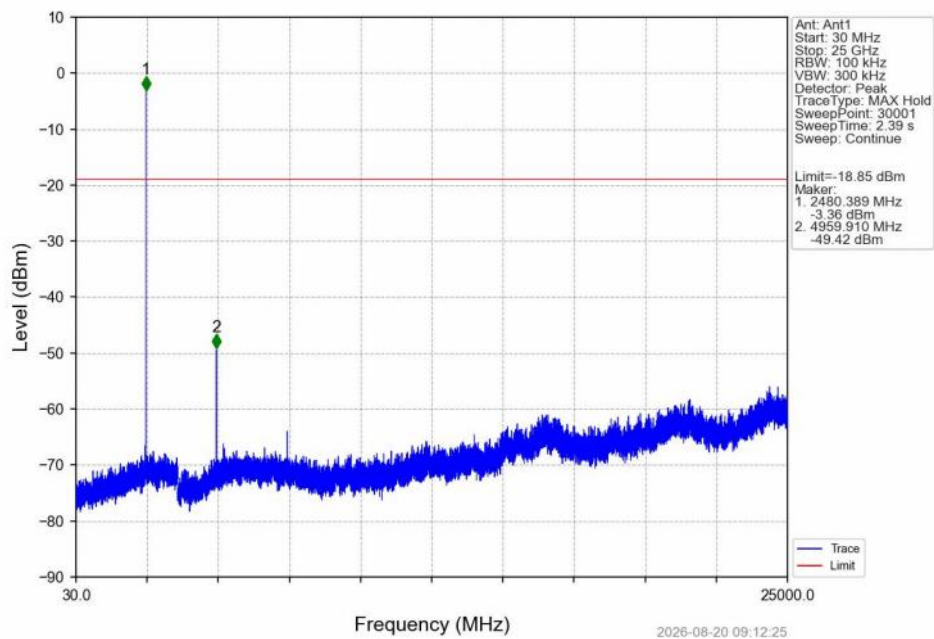
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



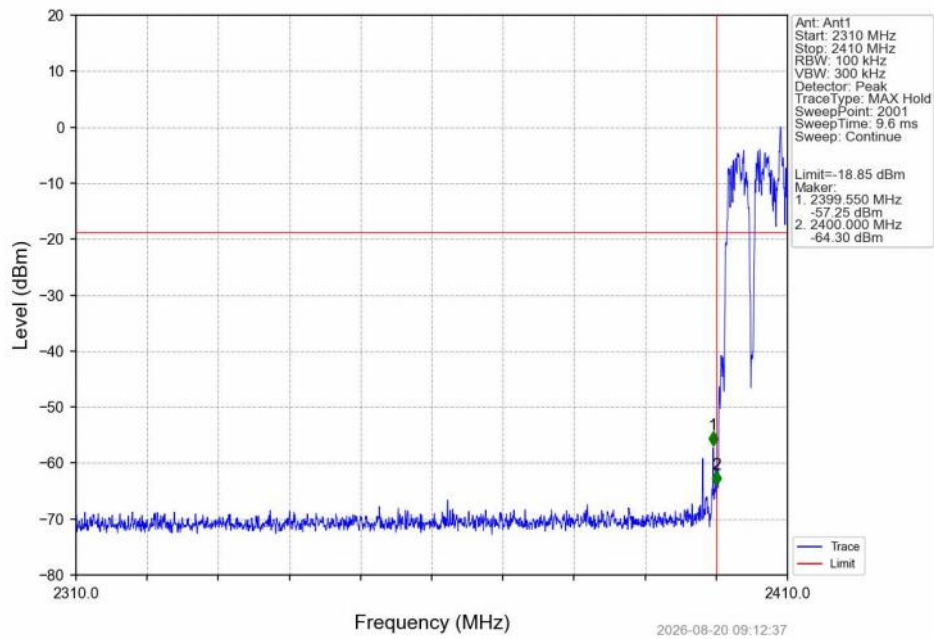
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



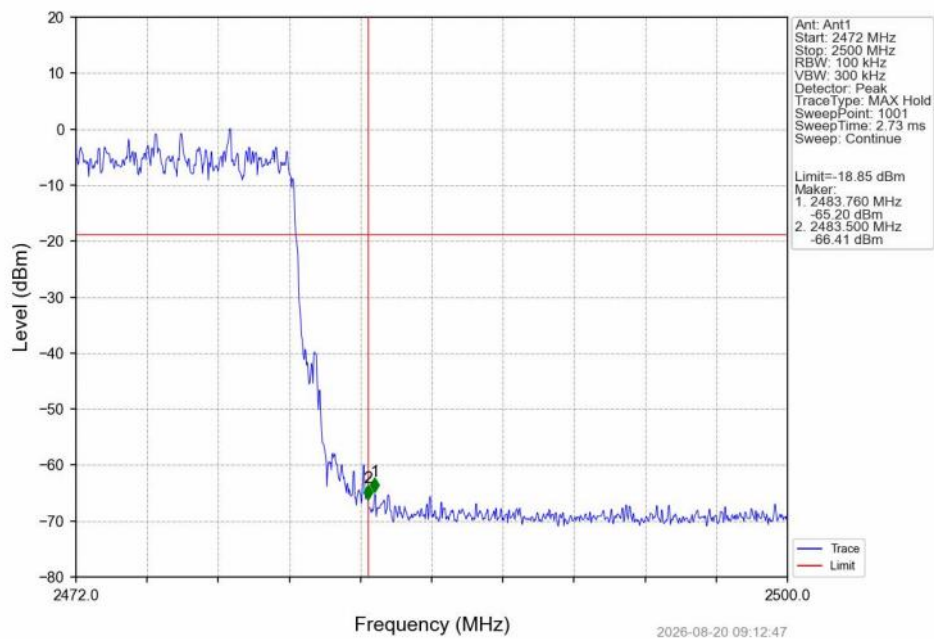
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



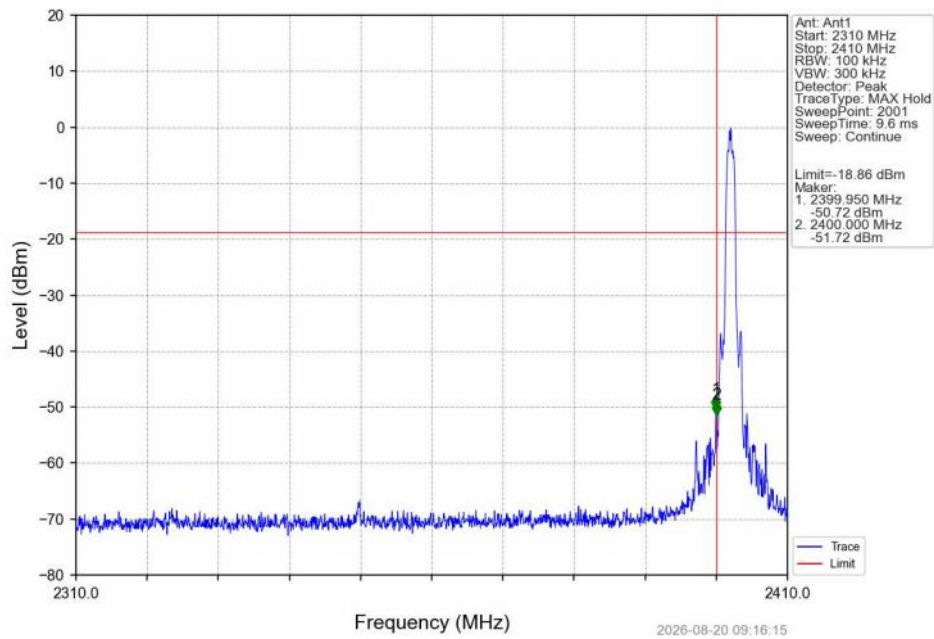
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



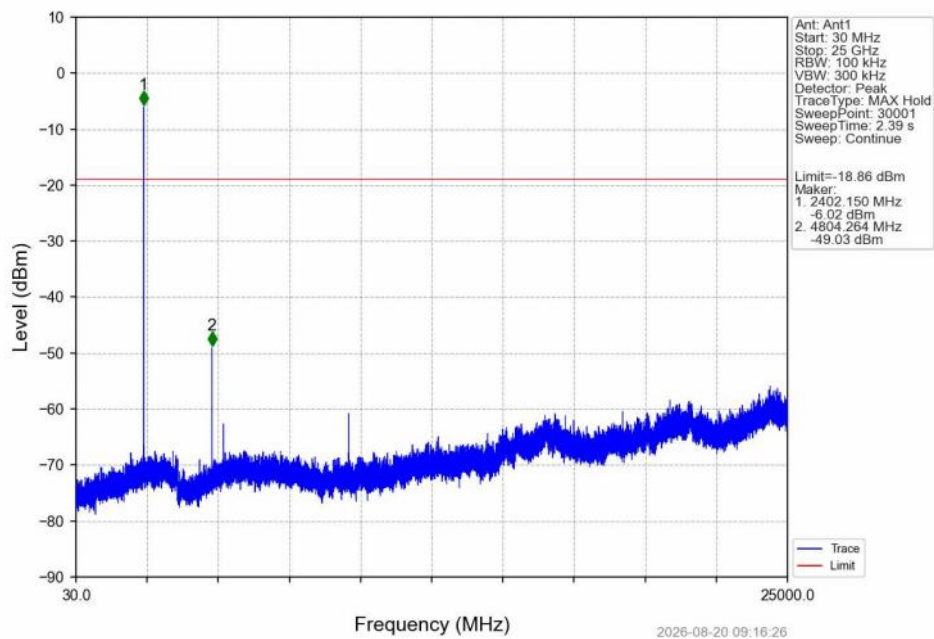
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



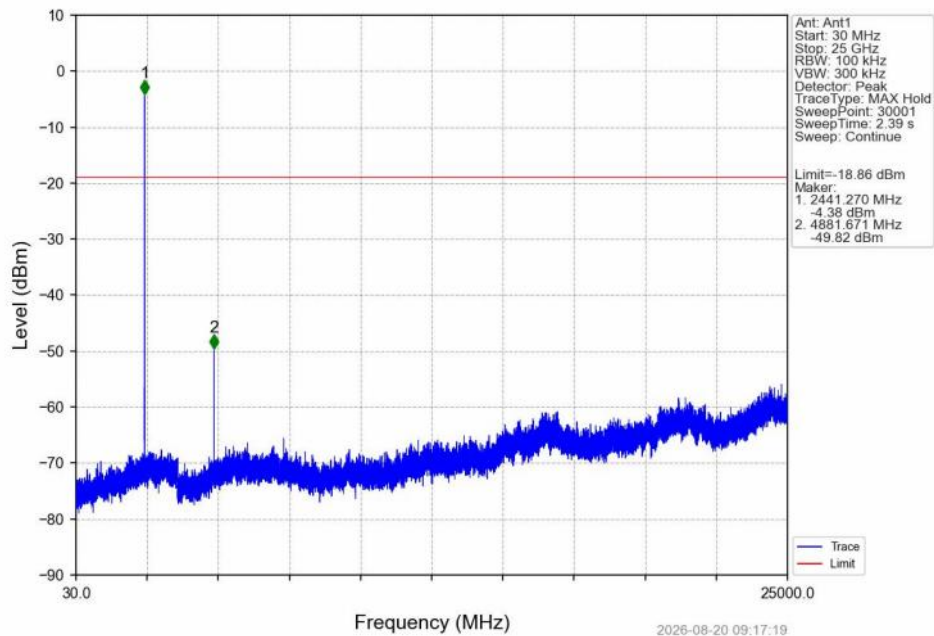
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



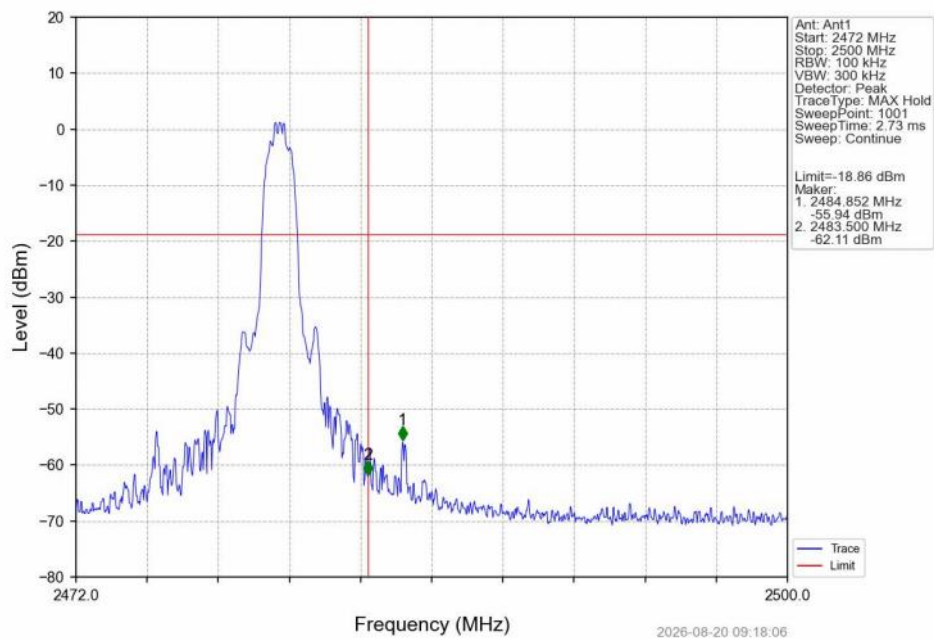
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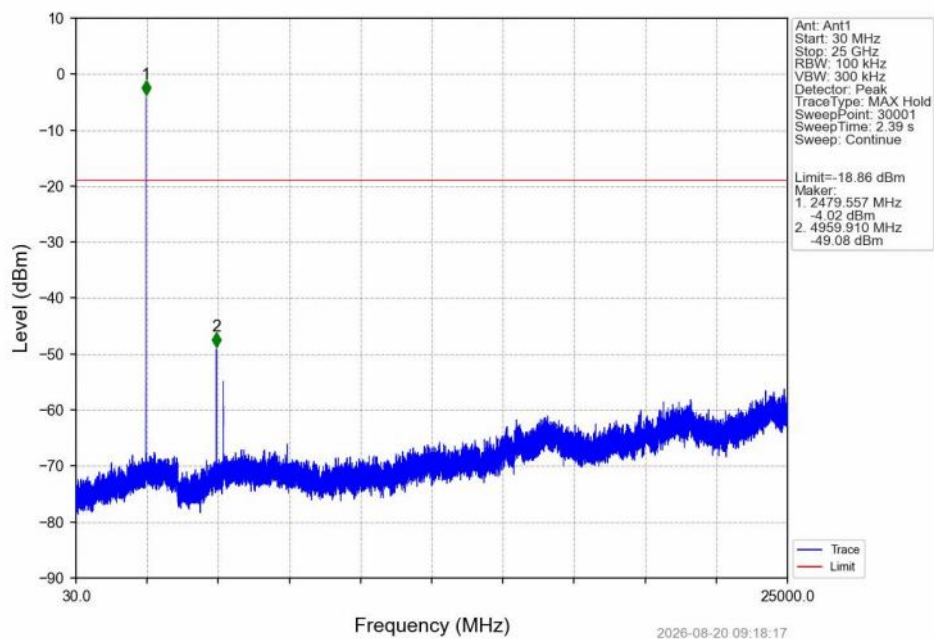
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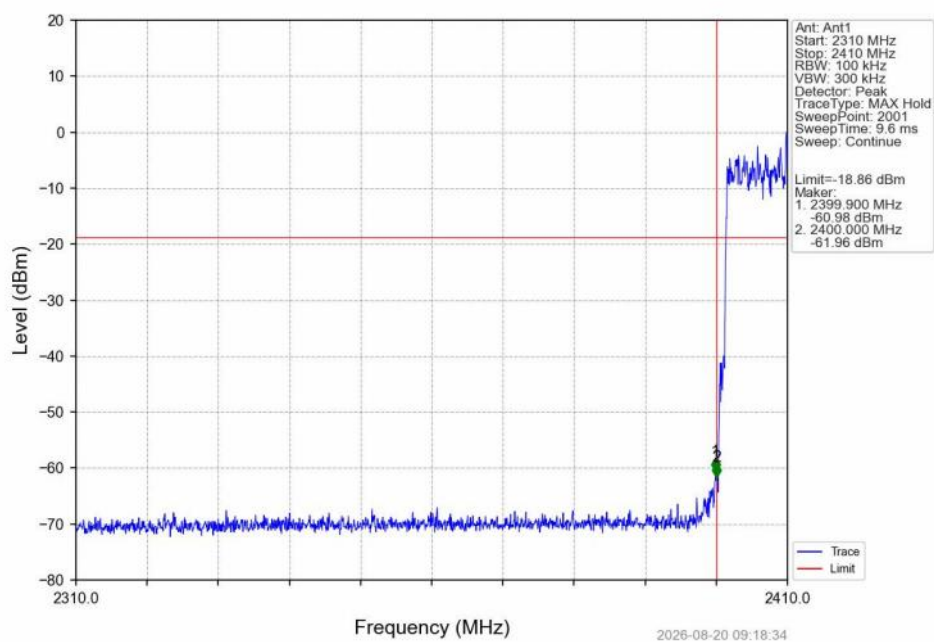
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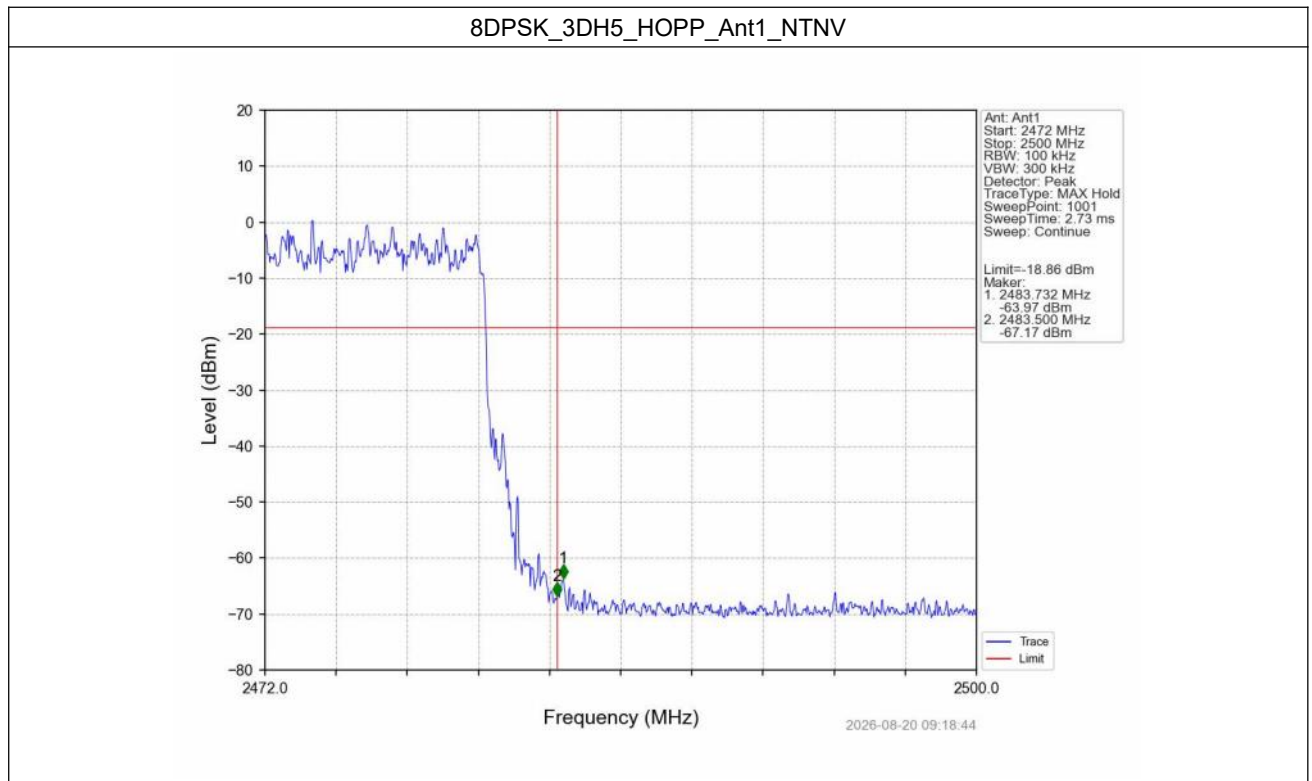


8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV





Right:

Test Result

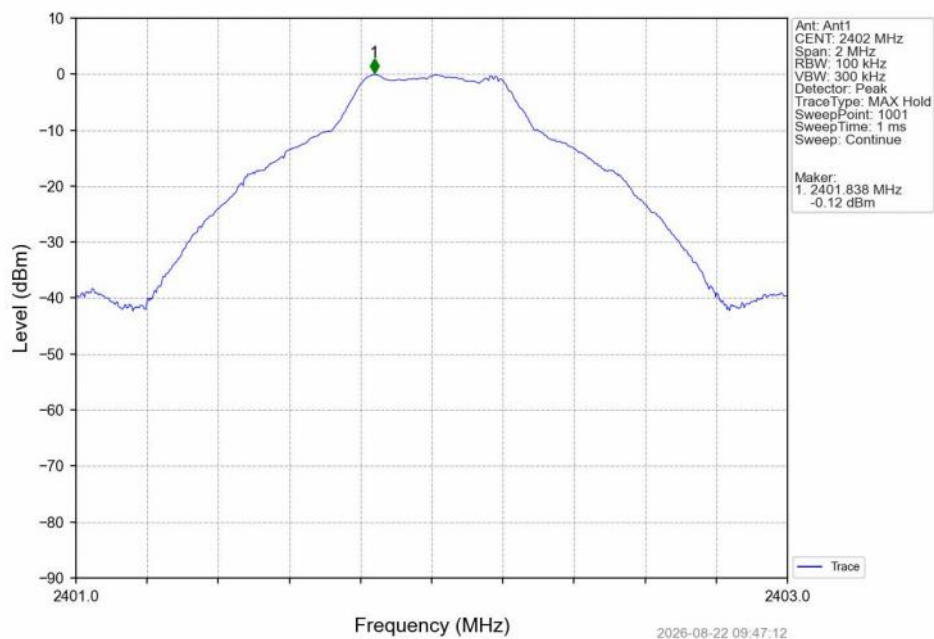
Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-0.12
		2441	DH5	1	0.54
		2480	DH5	1	1.15
Pi/4DQPSK	SISO	2402	2DH5	1	-0.14
		2441	2DH5	1	0.49
		2480	2DH5	1	1.12
8DPSK	SISO	2402	3DH5	1	-0.10
		2441	3DH5	1	0.53
		2480	3DH5	1	1.18

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	1	1.15	-18.85	Pass
		2441	DH5	1	1.15	-18.85	Pass
		2480	DH5	1	1.15	-18.85	Pass
		HOPP	DH5	1	1.15	-18.85	Pass
					1.15	-18.85	Pass
Pi/4DQPSK	SISO	2402	2DH5	1	1.12	-18.88	Pass
		2441	2DH5	1	1.12	-18.88	Pass
		2480	2DH5	1	1.12	-18.88	Pass
		HOPP	2DH5	1	1.12	-18.88	Pass
					1.12	-18.88	Pass
8DPSK	SISO	2402	3DH5	1	1.18	-18.82	Pass
		2441	3DH5	1	1.18	-18.82	Pass

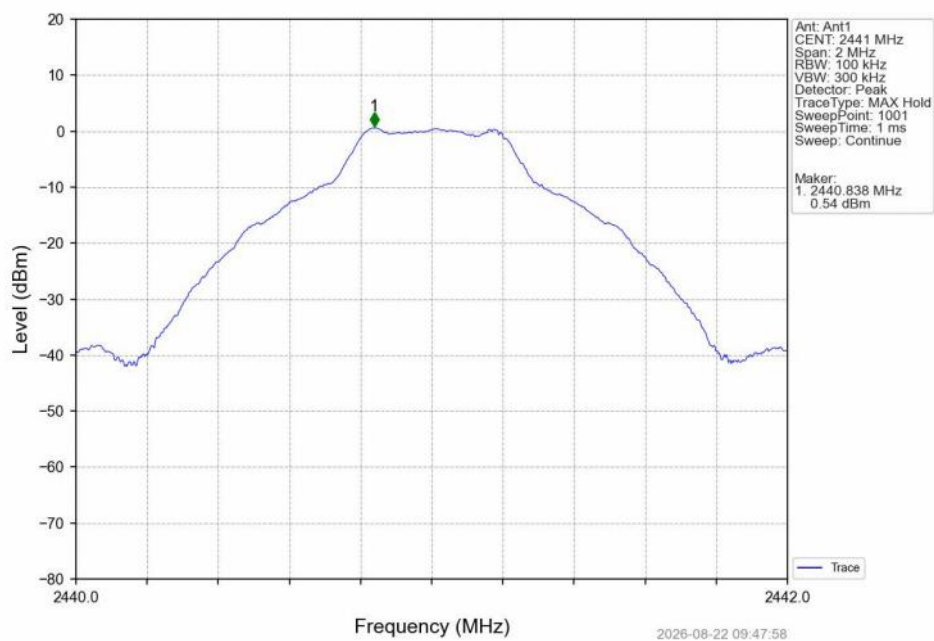
		2480	3DH5	1	1.18	-18.82	Pass
		HOPP	3DH5	1	1.18	-18.82	Pass
					1.18	-18.82	Pass

Test Graph

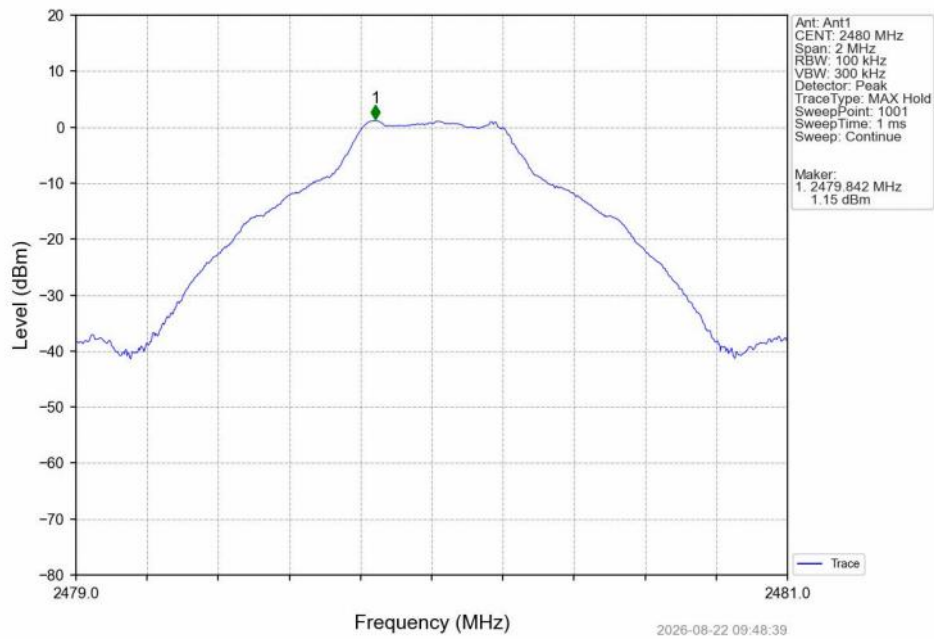
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



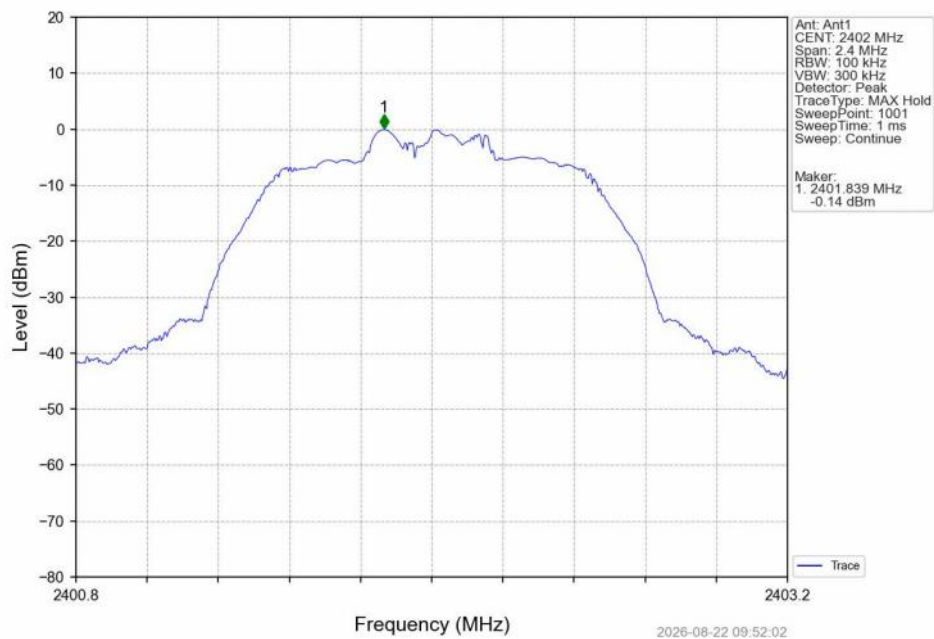
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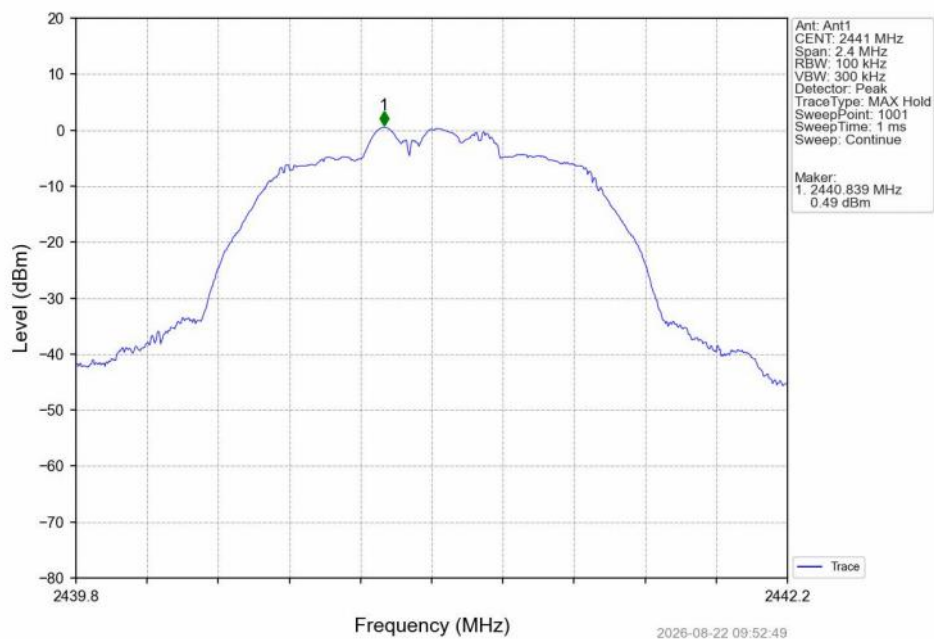
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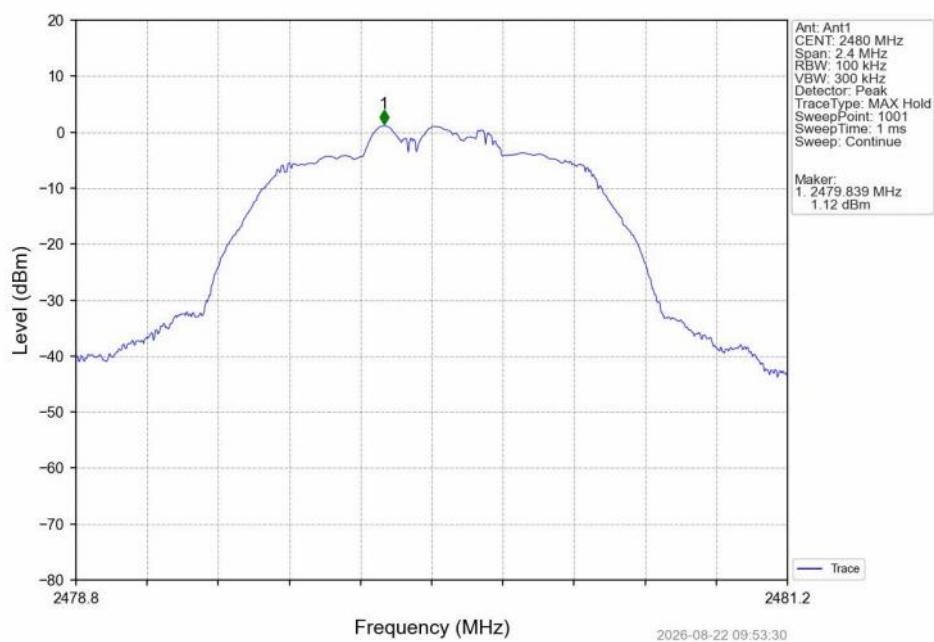
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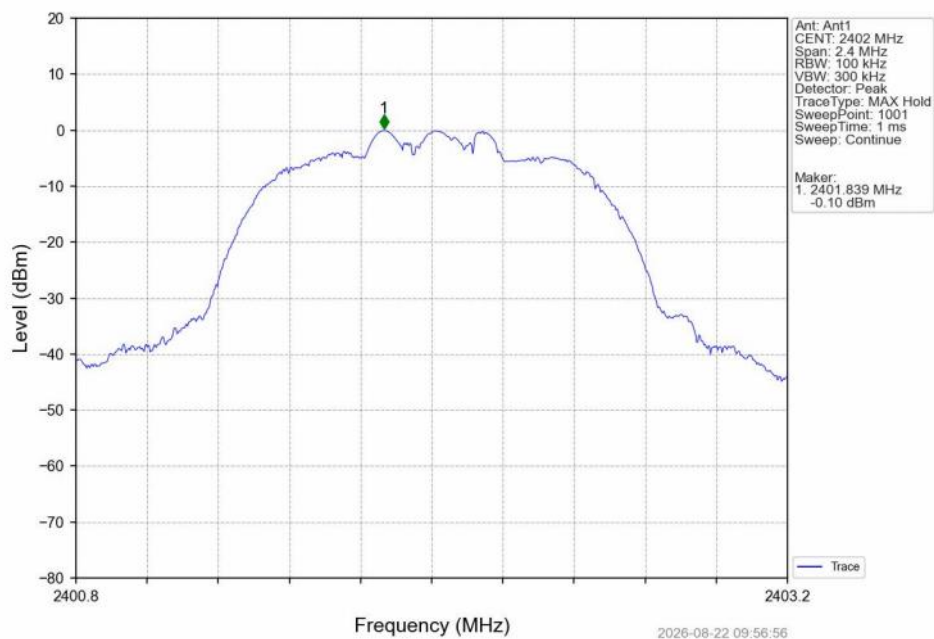
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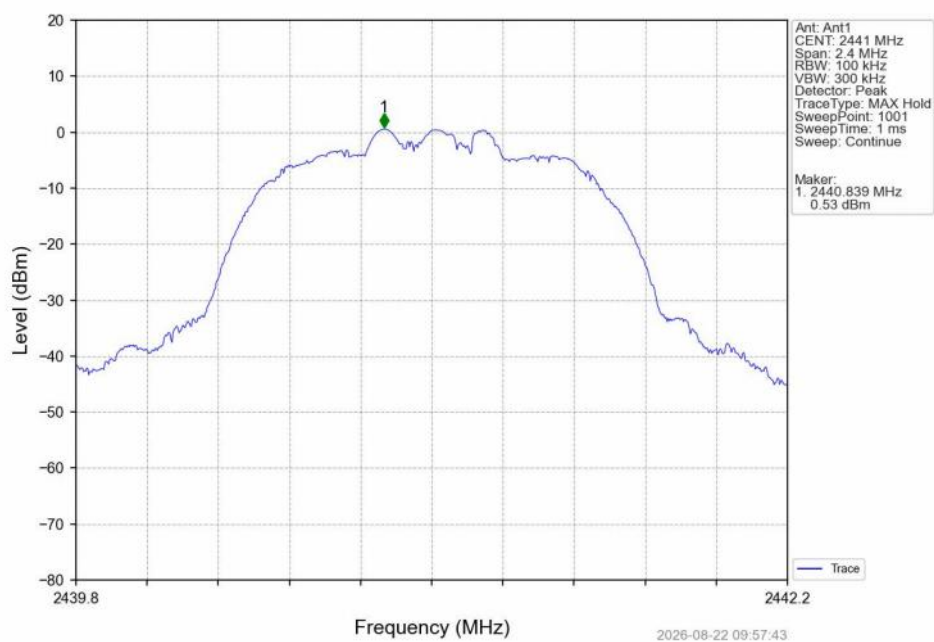
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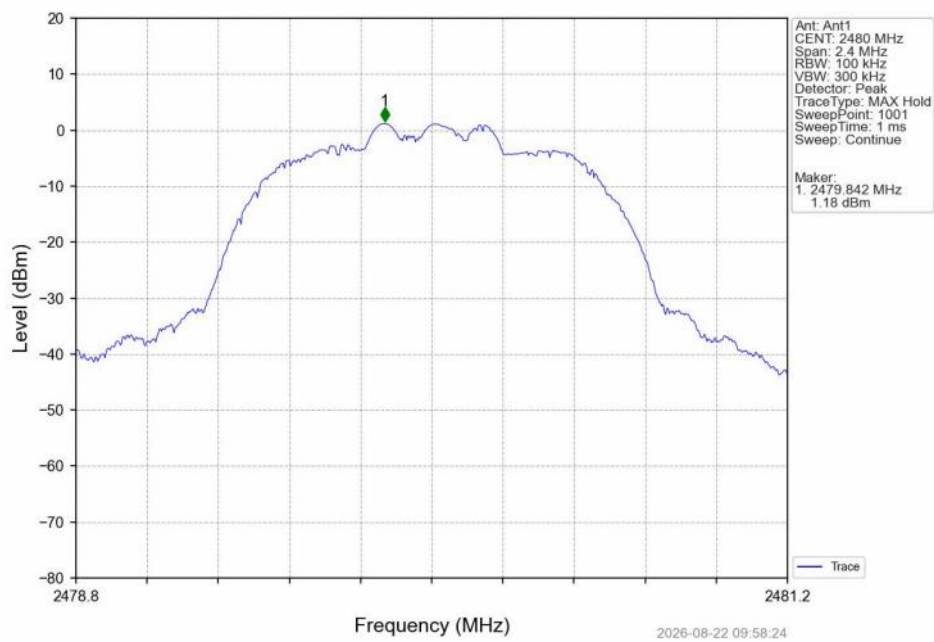
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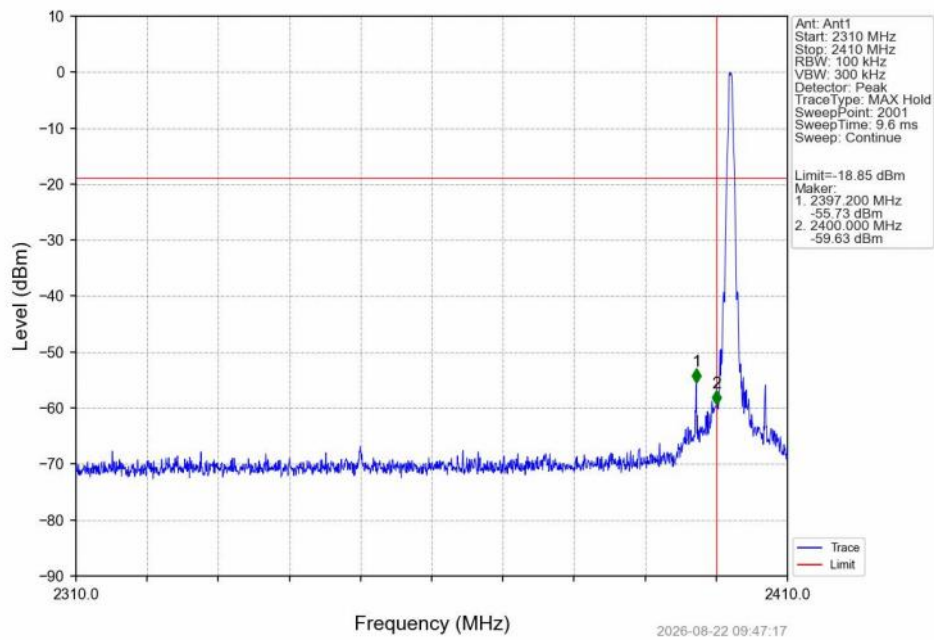
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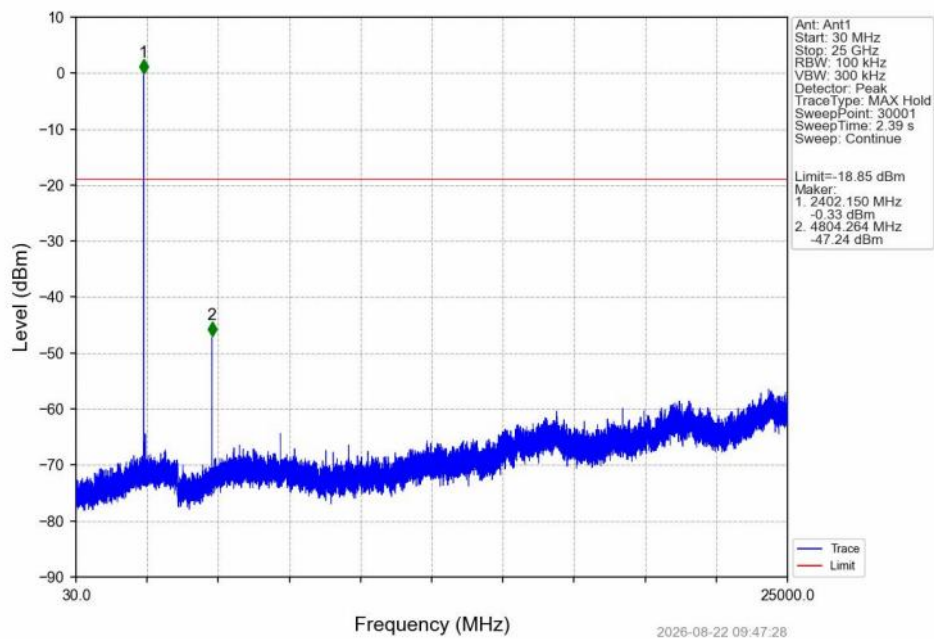
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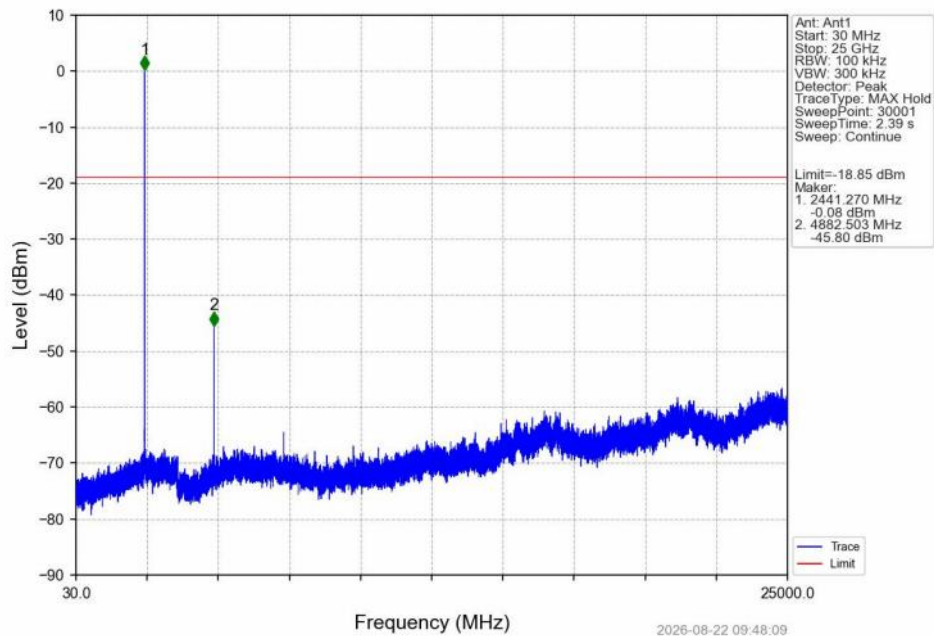
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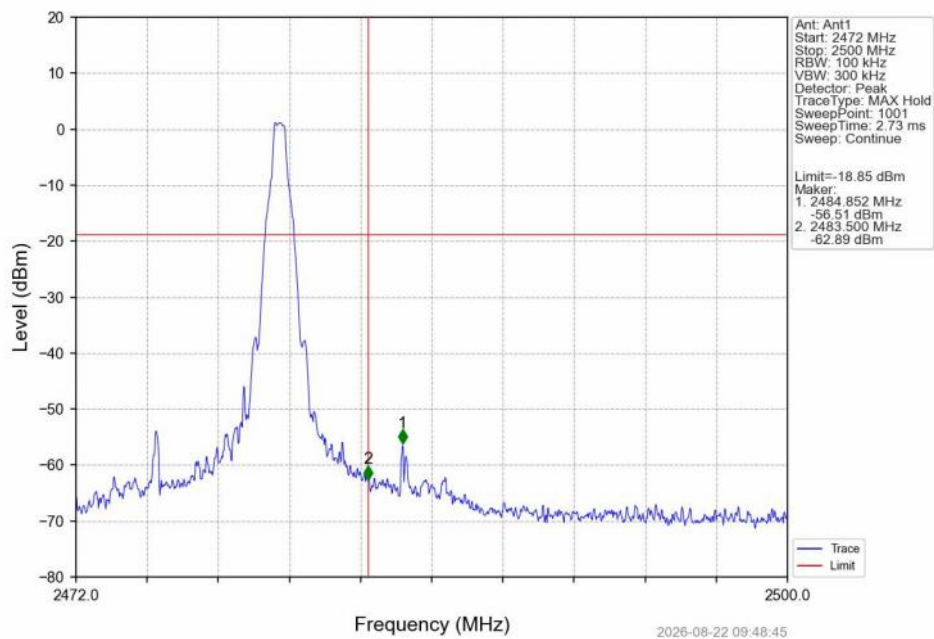
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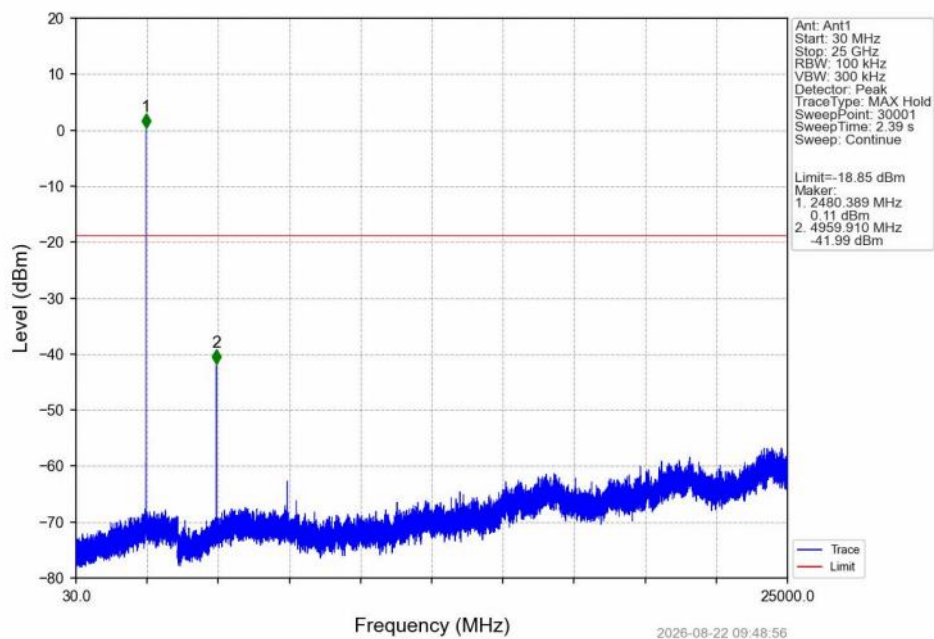
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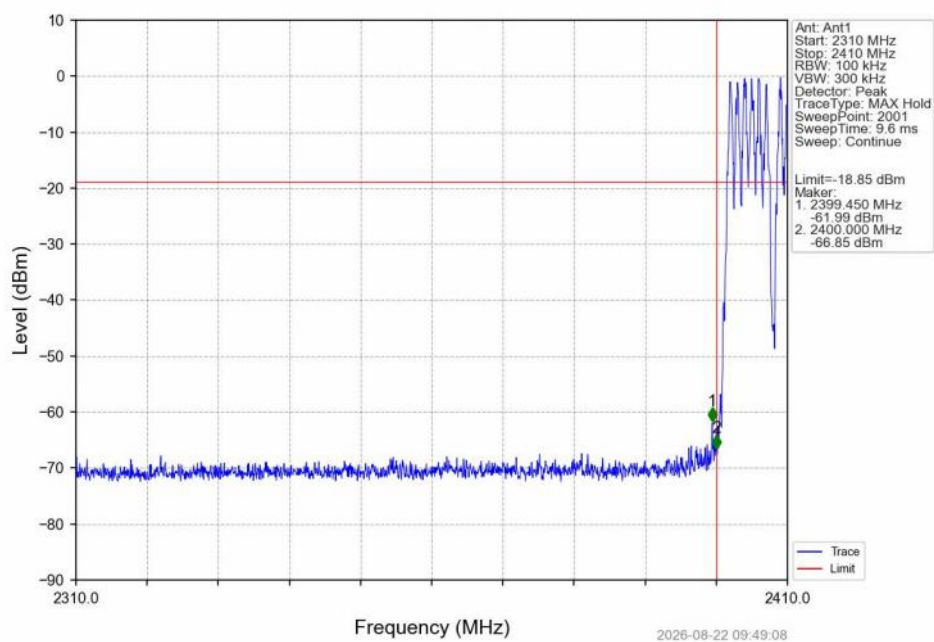
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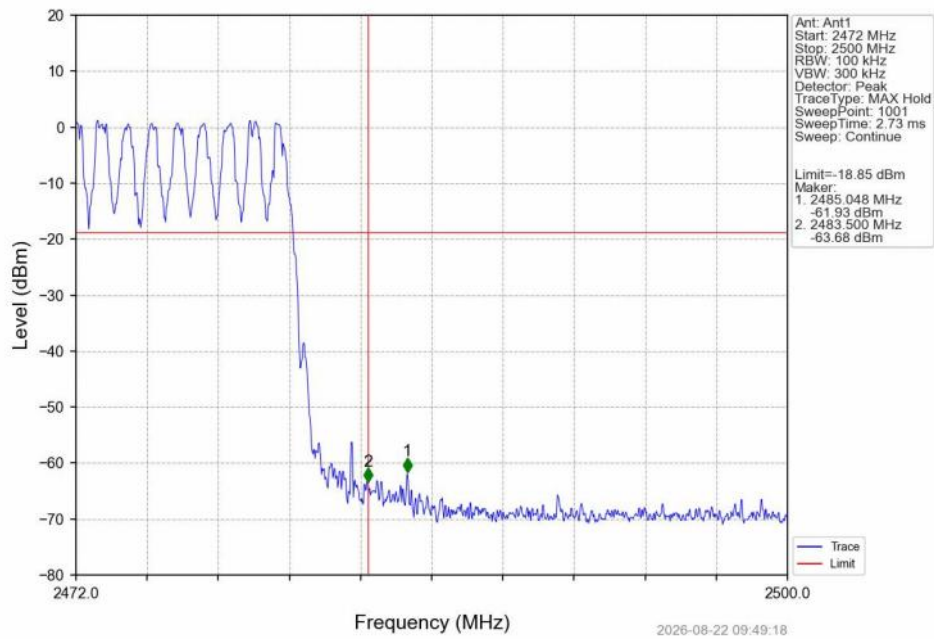
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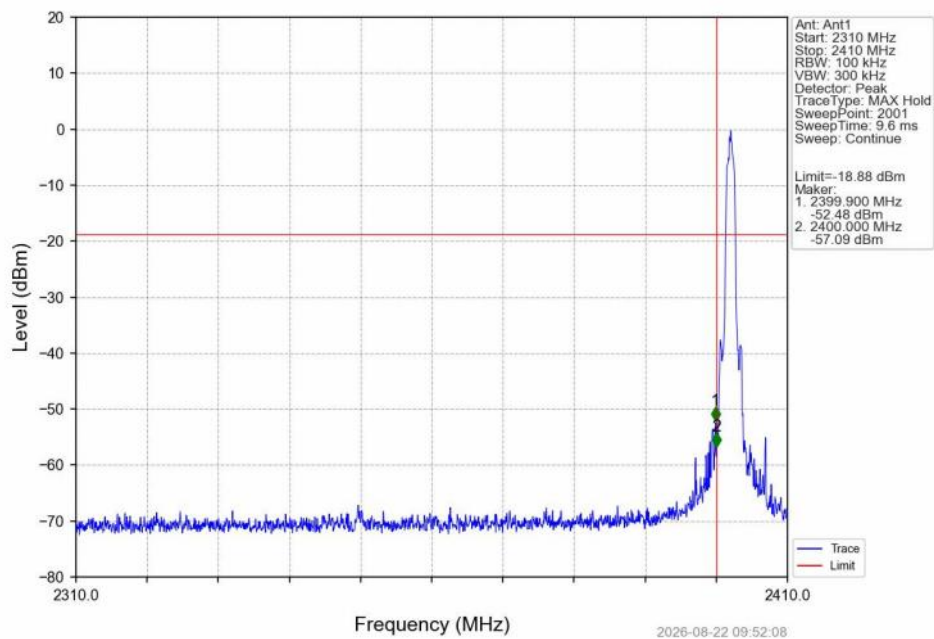
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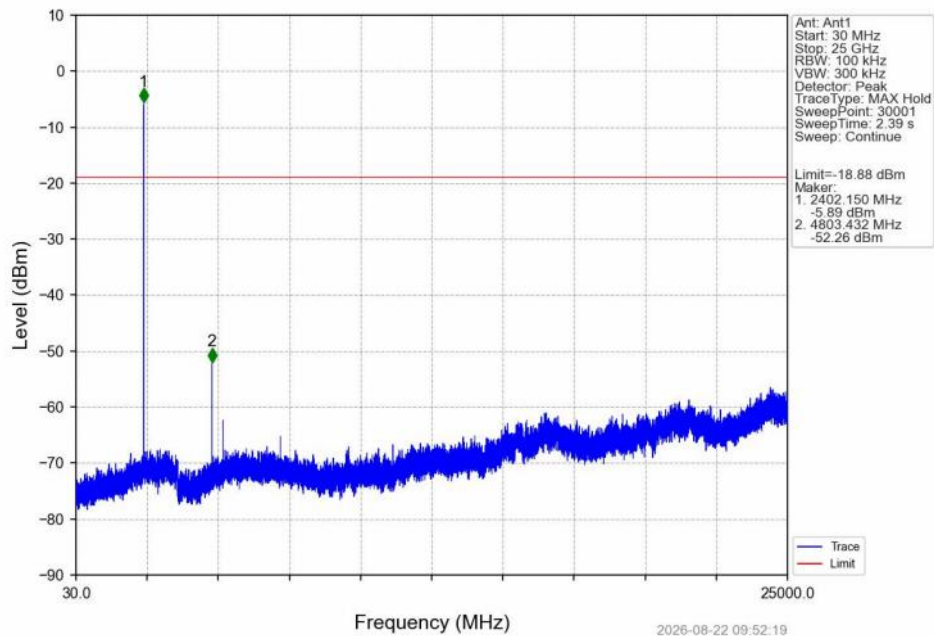
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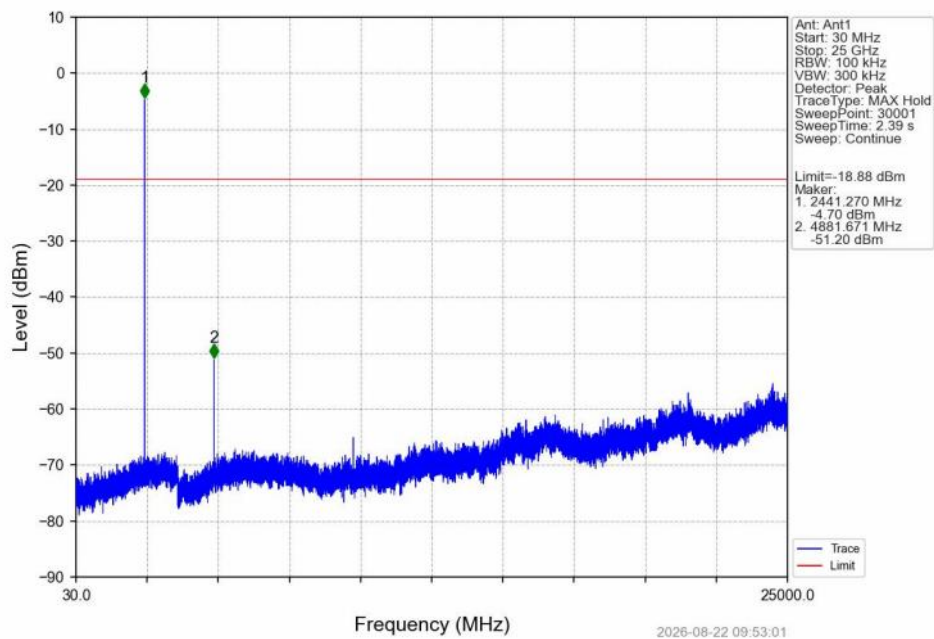
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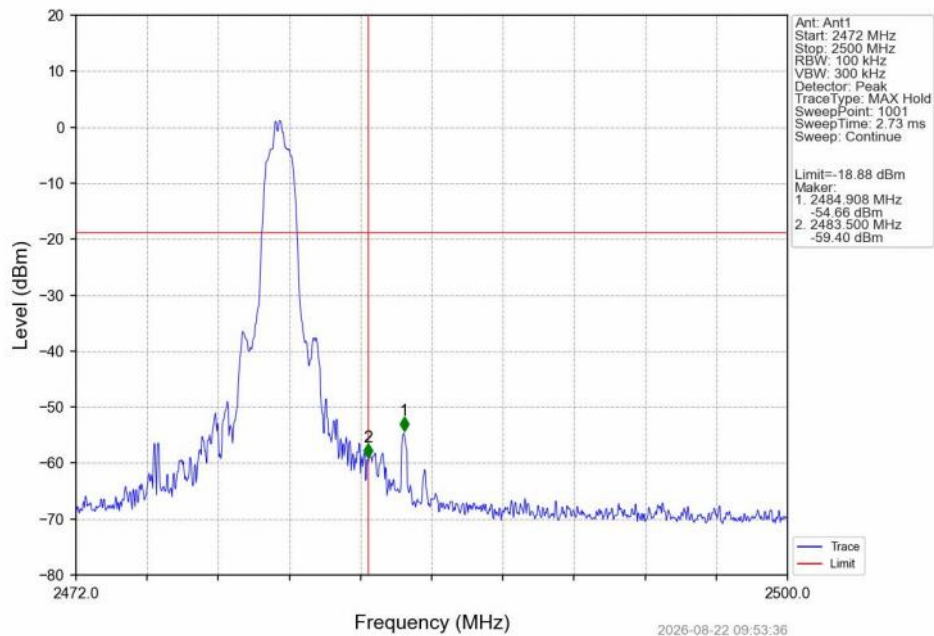
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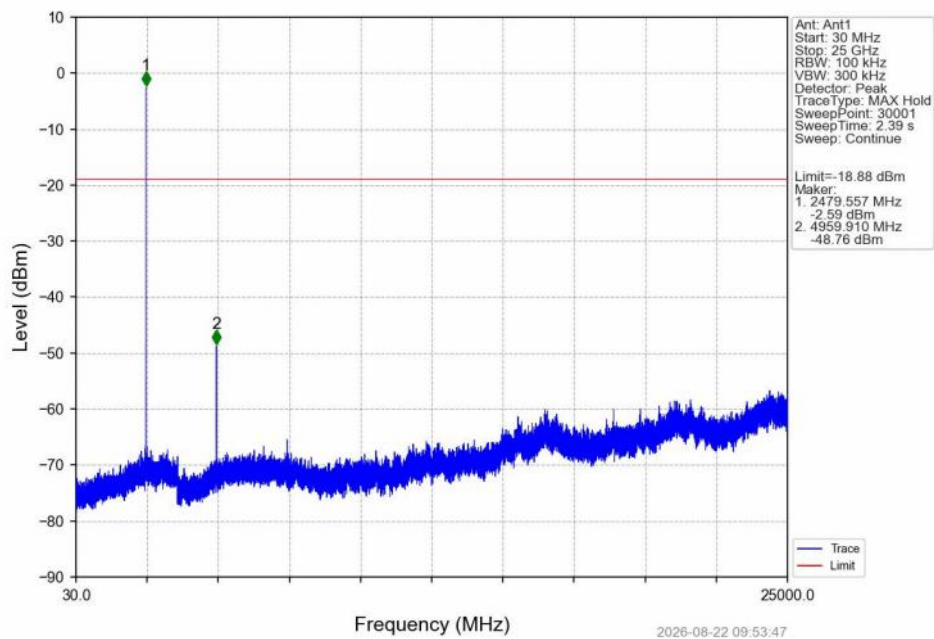
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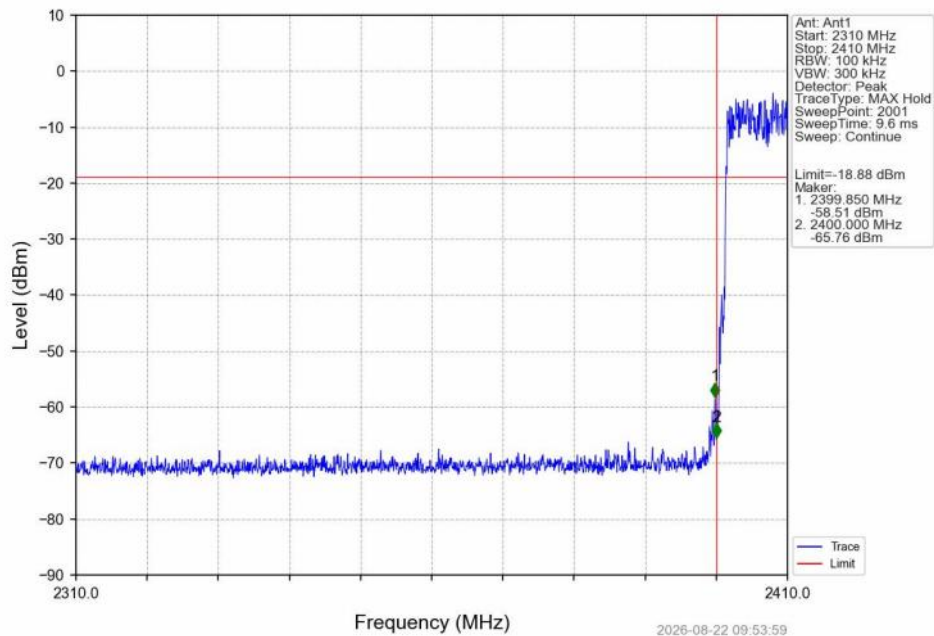
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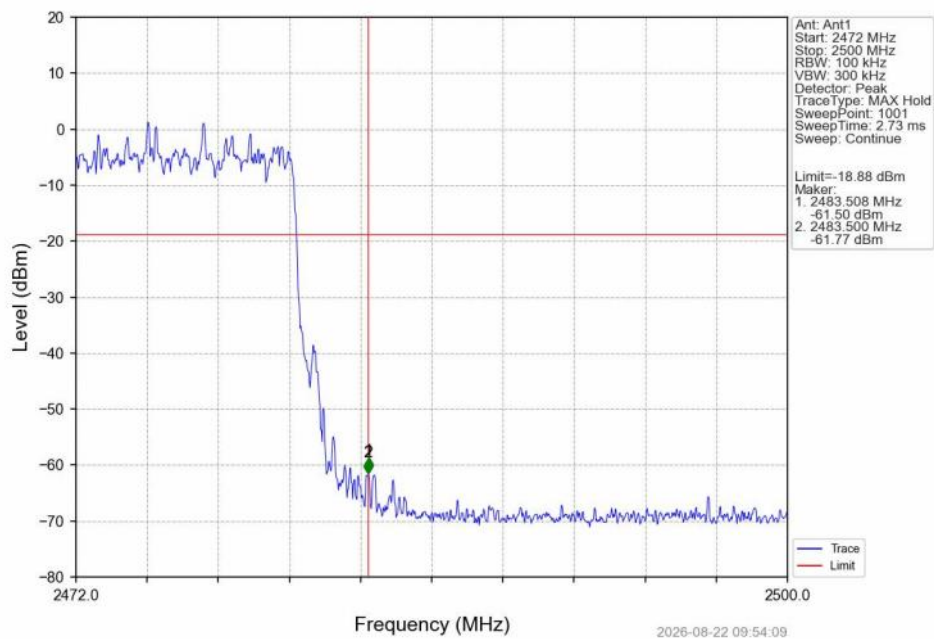
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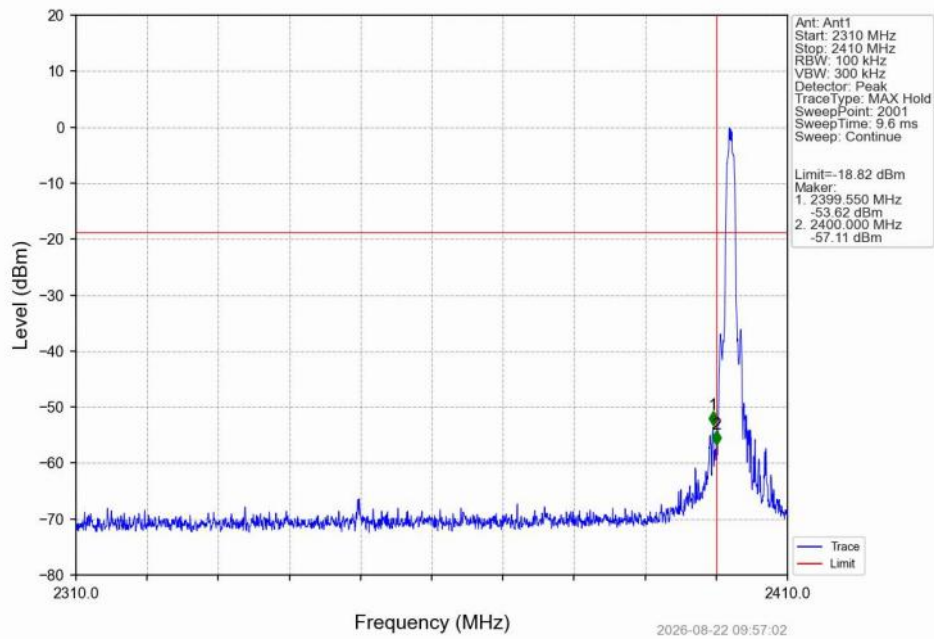
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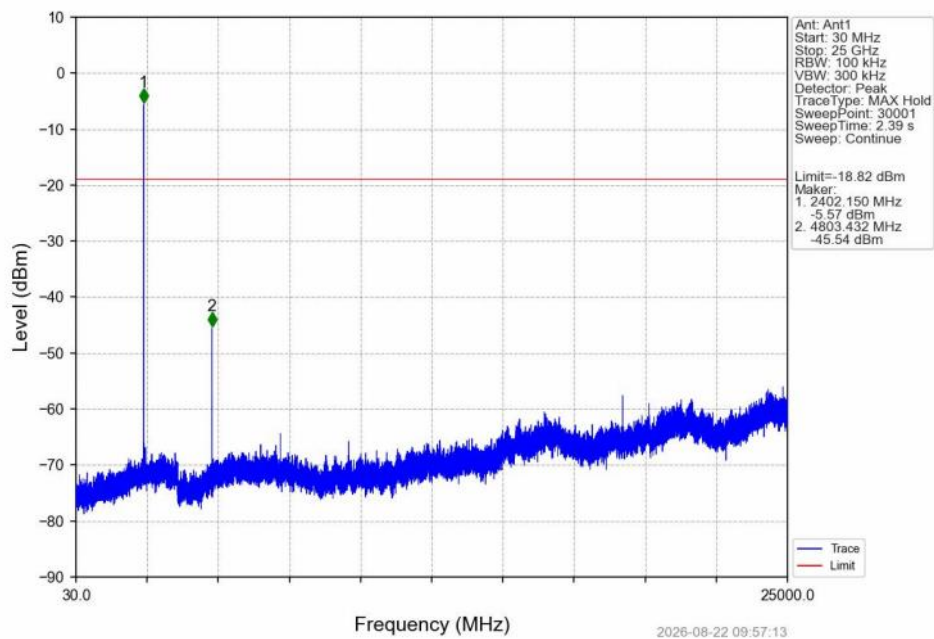
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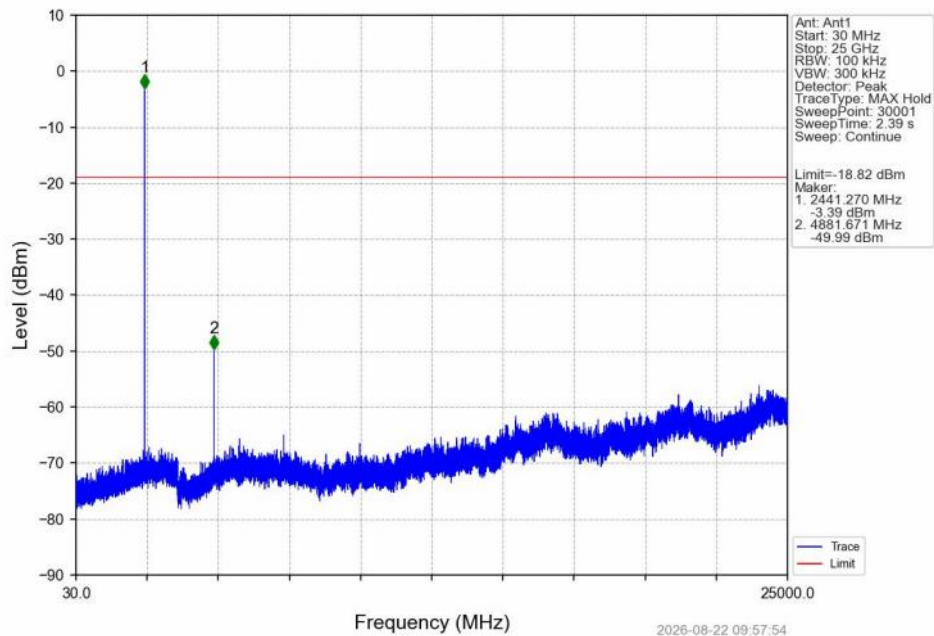
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



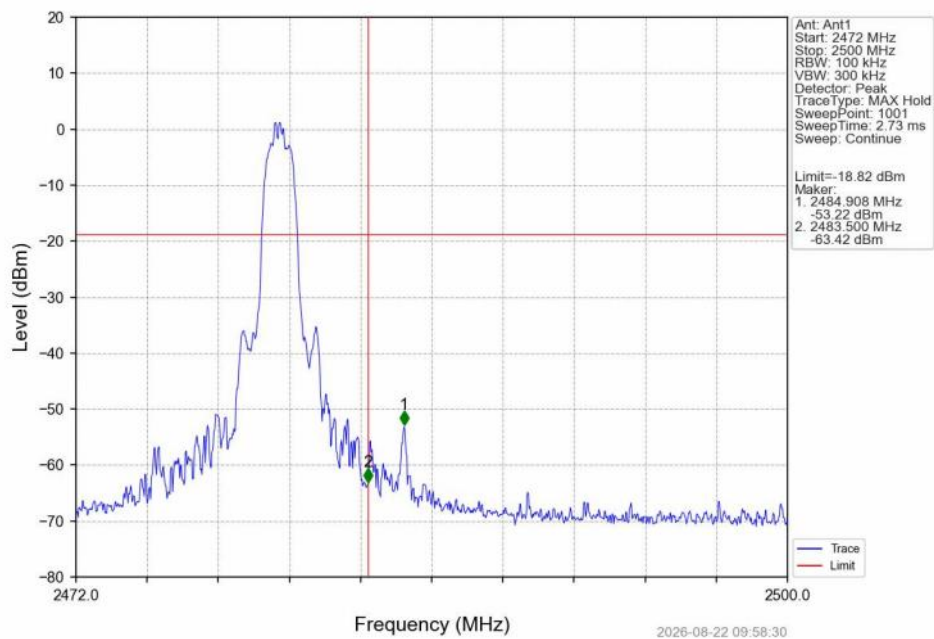
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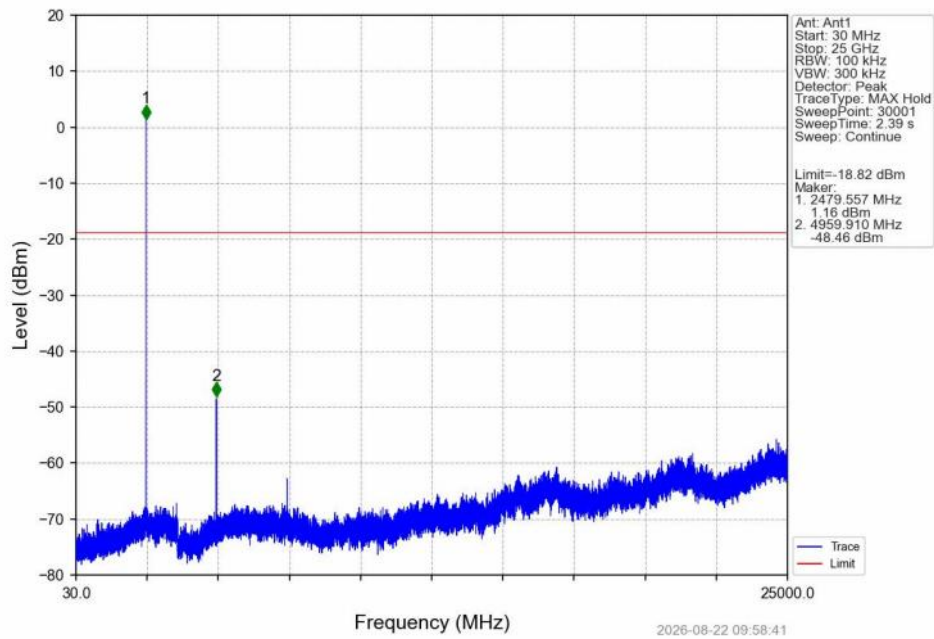
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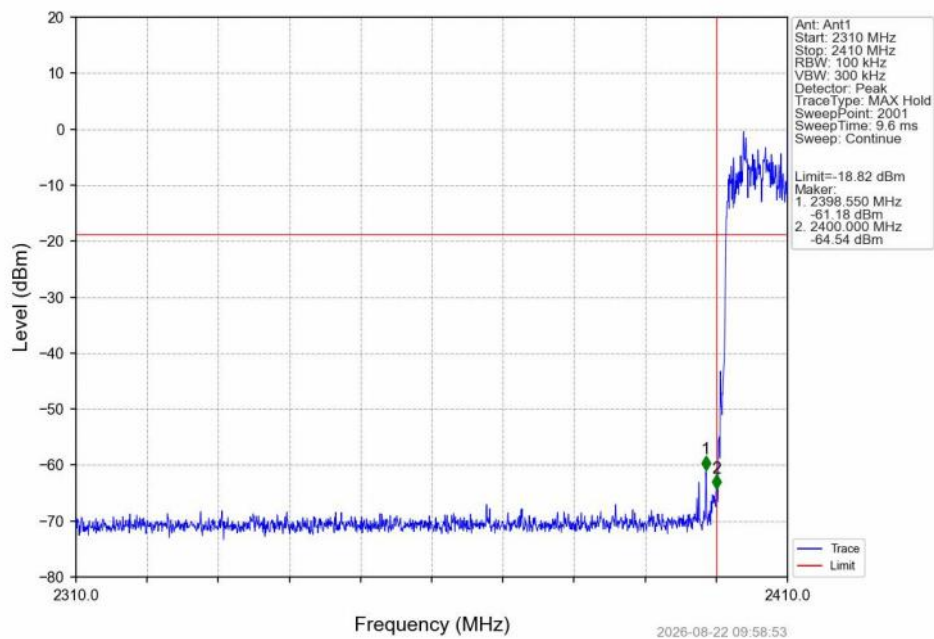
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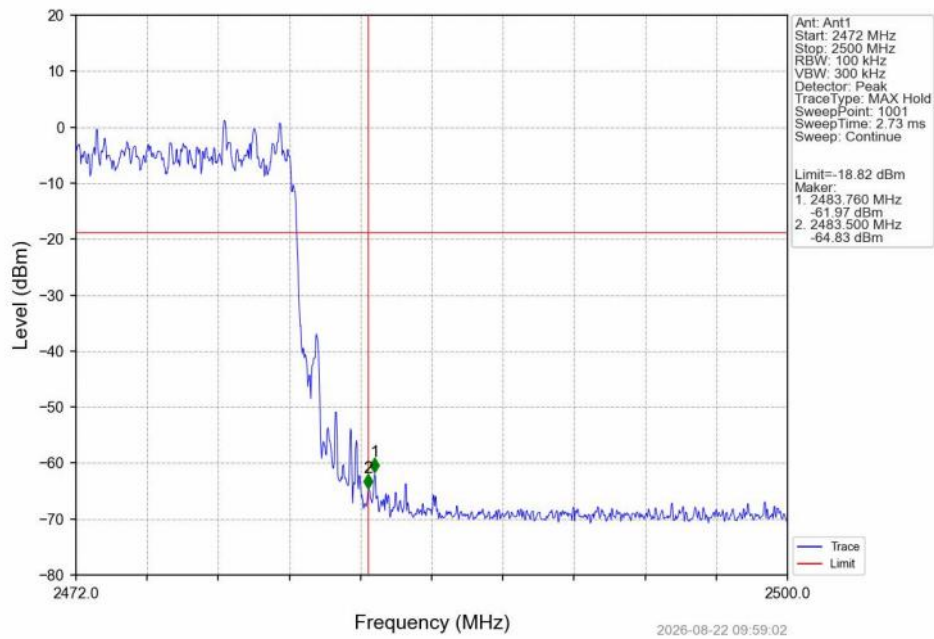
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_HOPP_Ant1_NTNV



-----End of the report-----