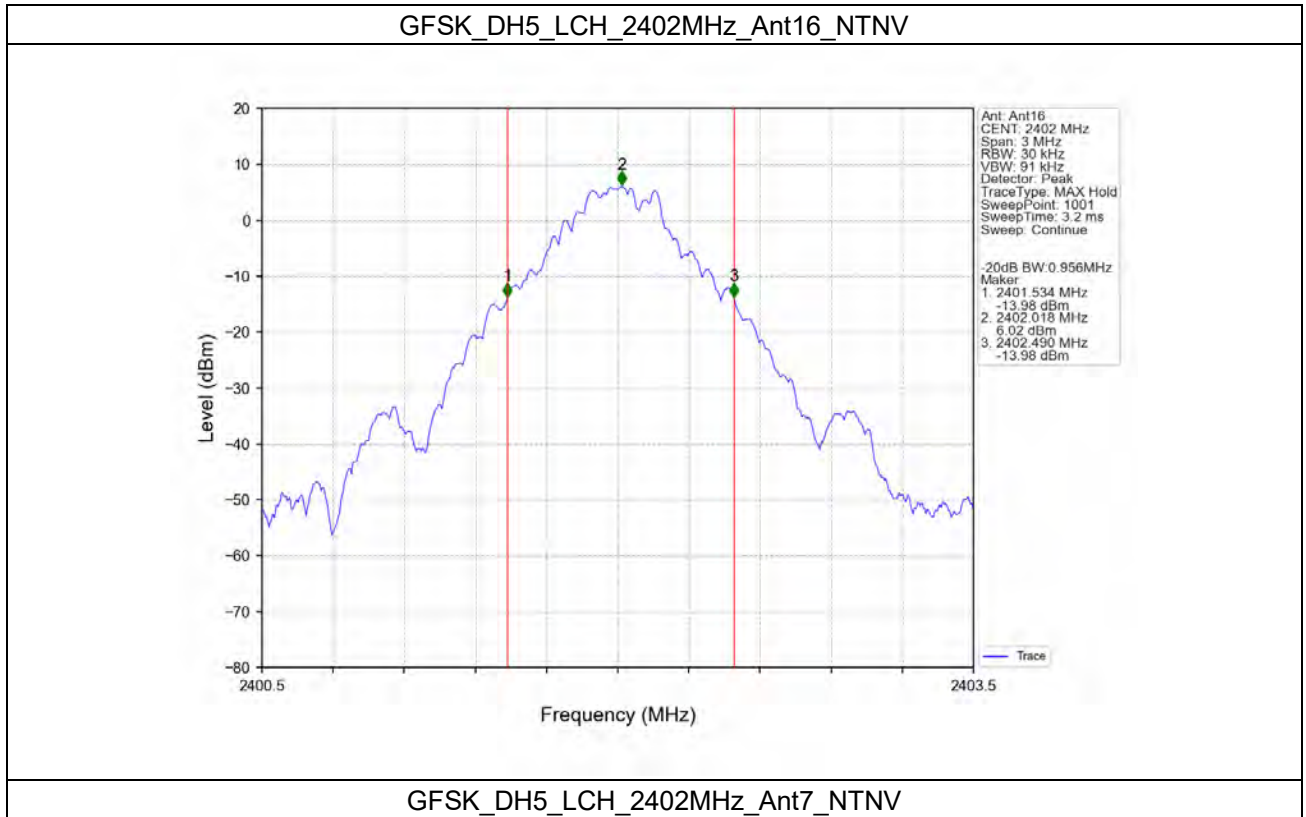
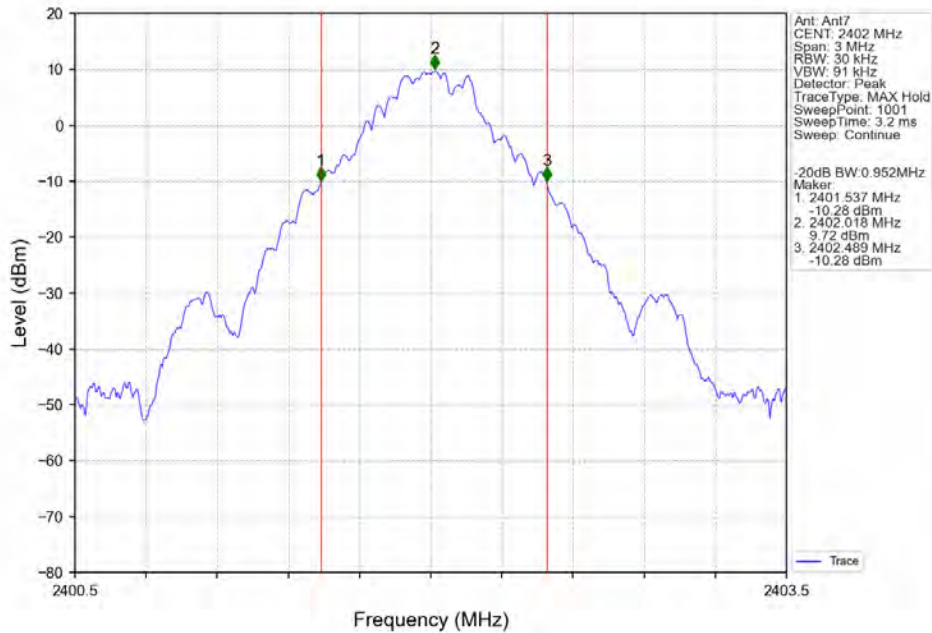
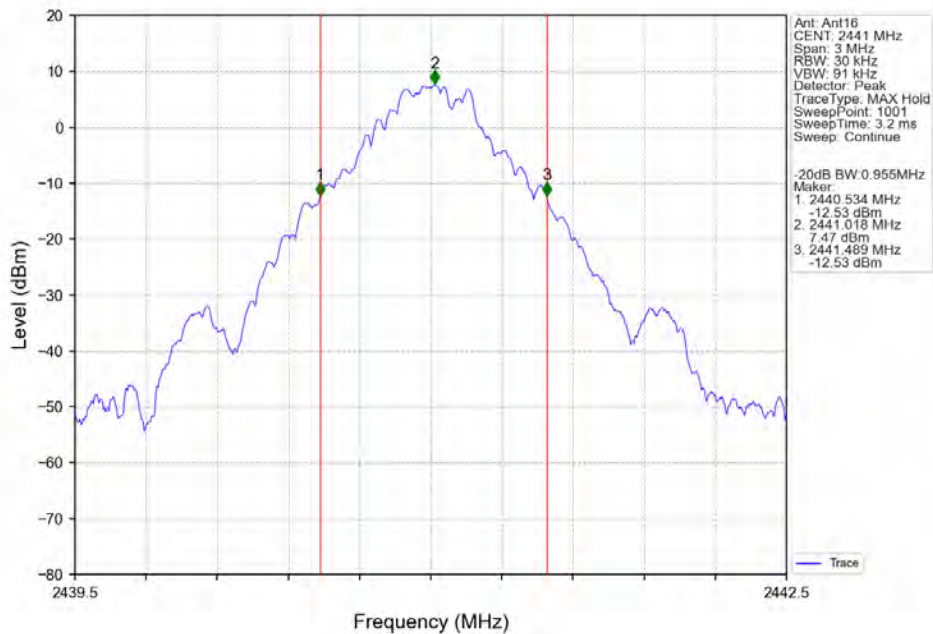


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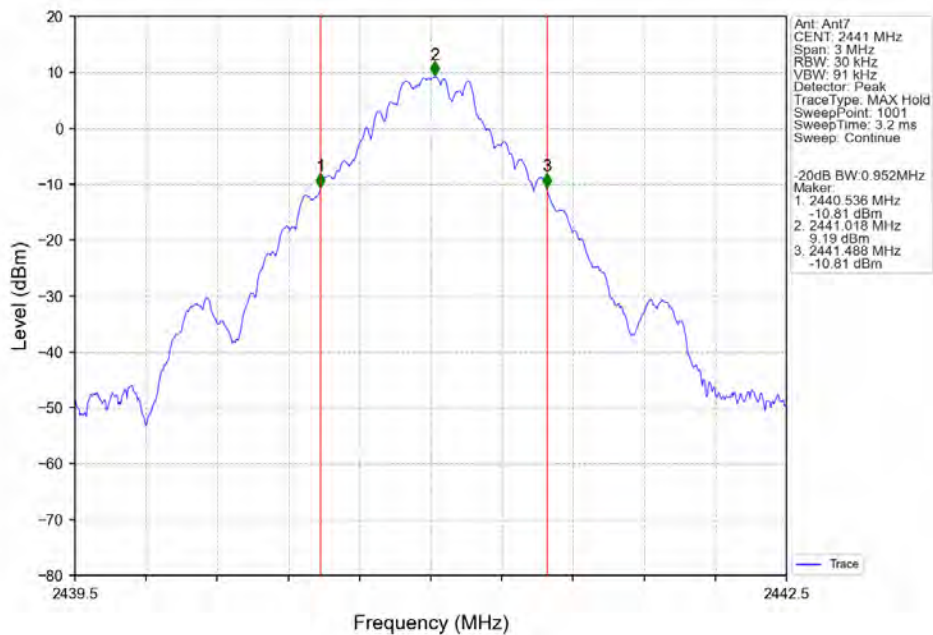




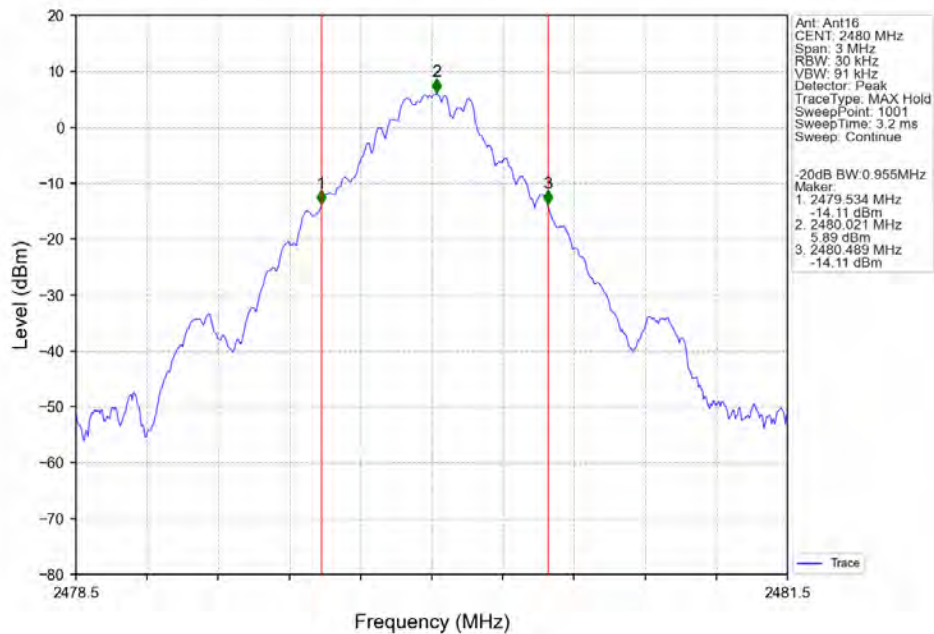
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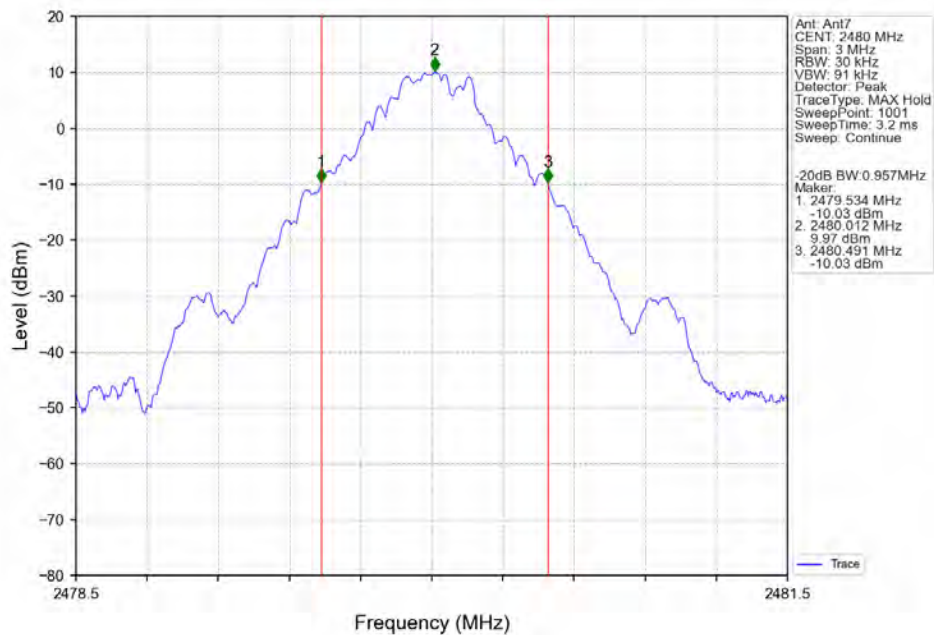
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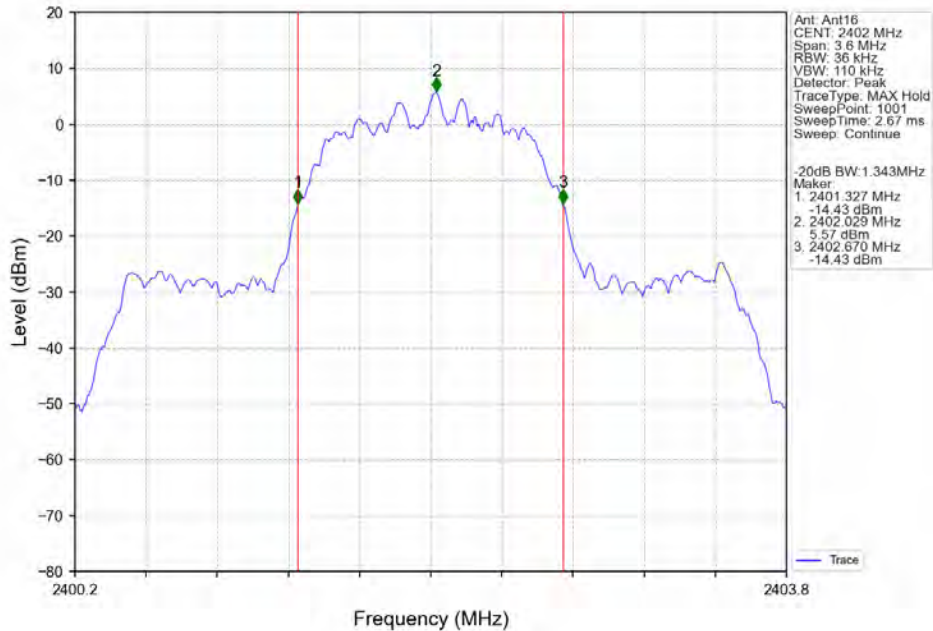
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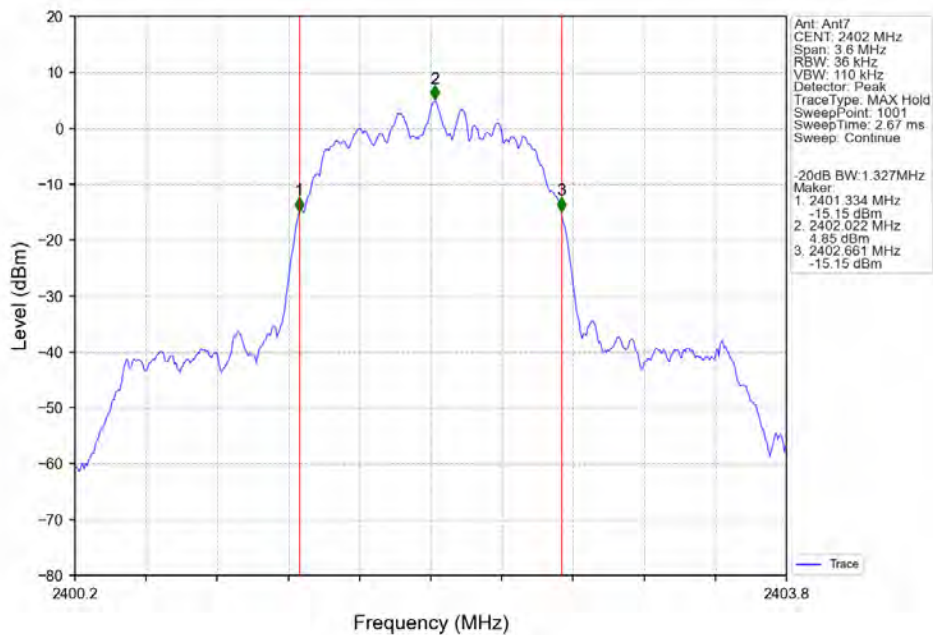
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Pi/4DQPSK_2DH5_LCH_2402MHz_Ant16_NTNV



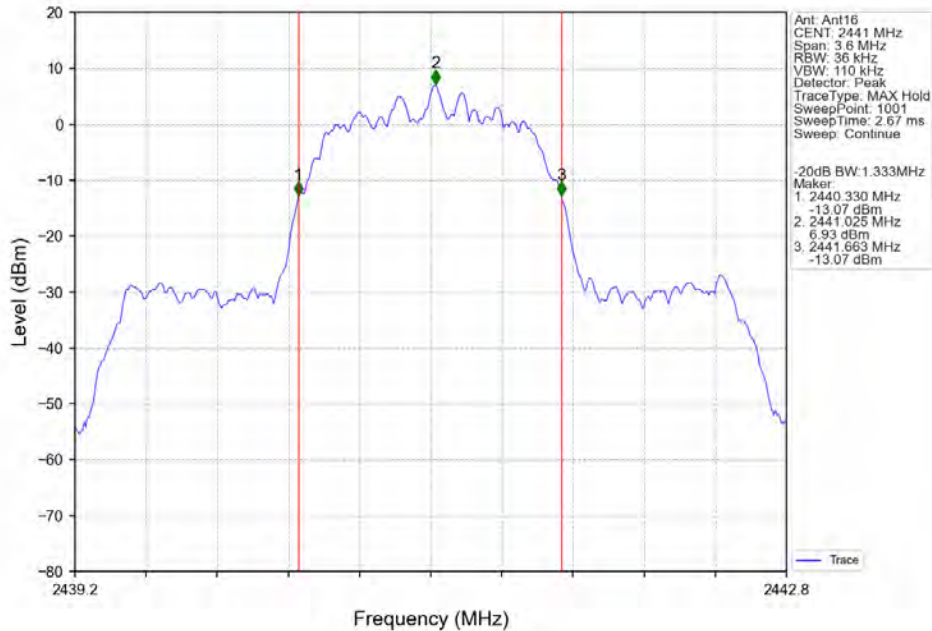
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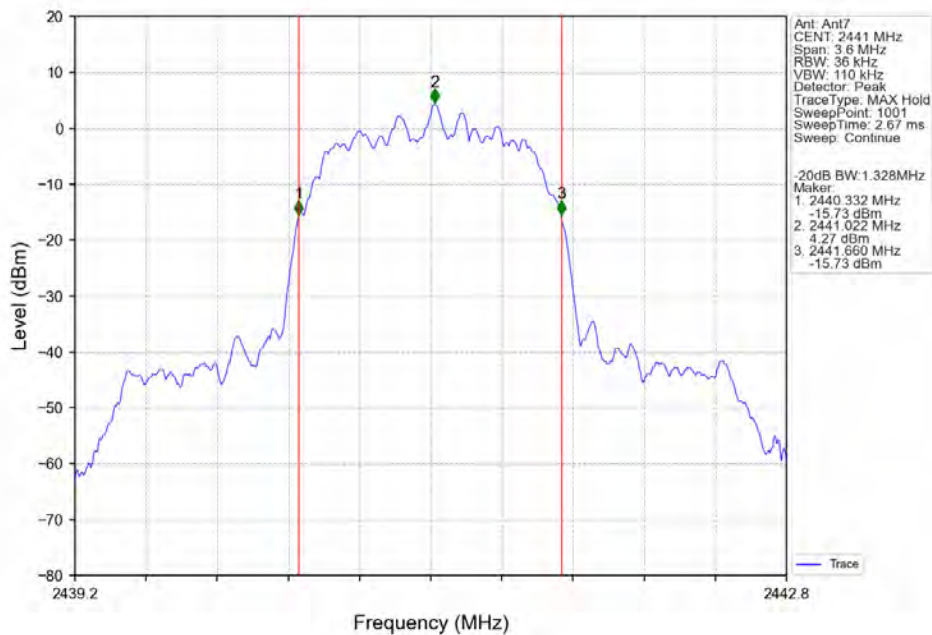
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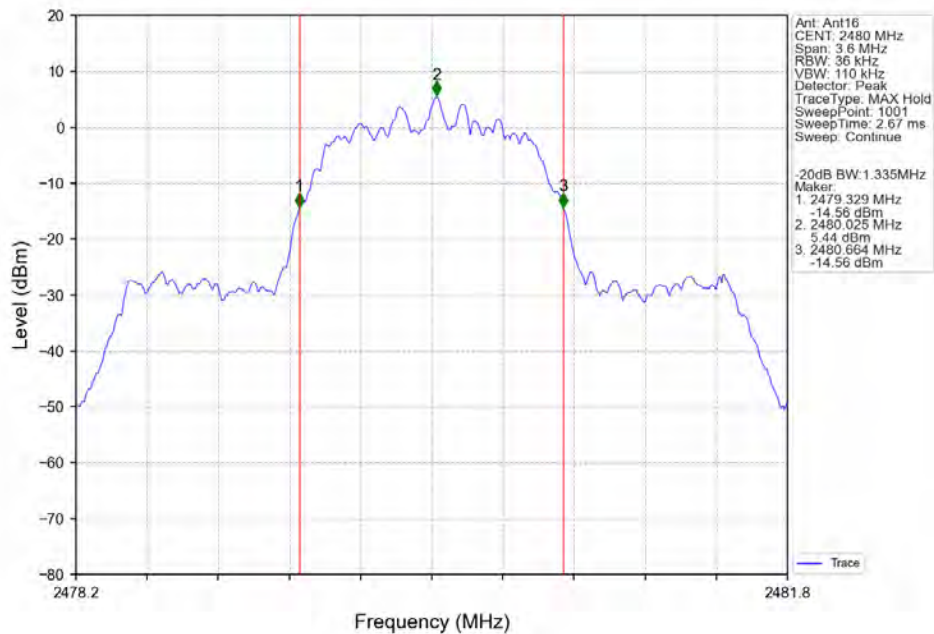
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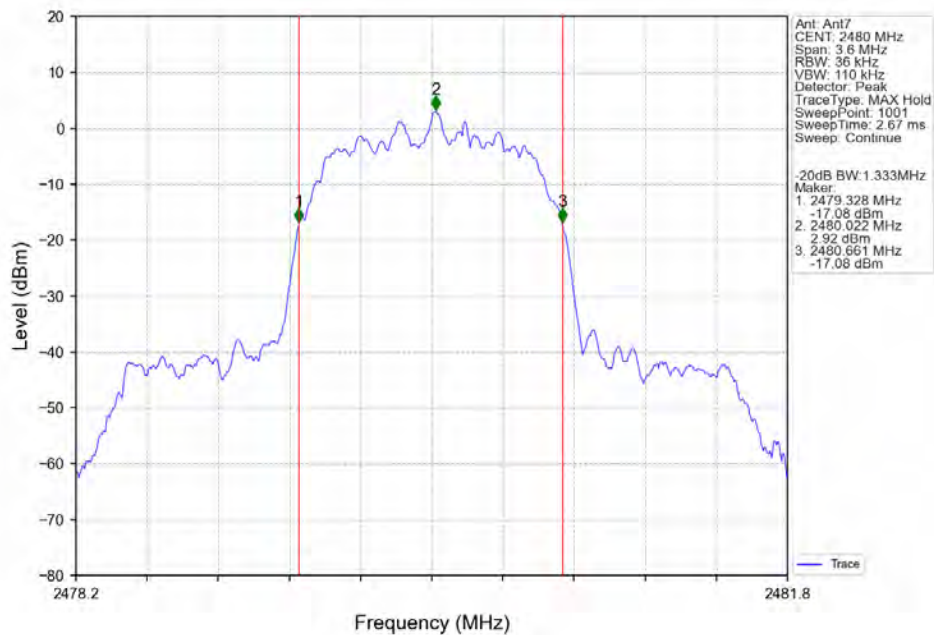
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Pi/4DQPSK_2DH5_HCH_2480MHz_Ant16_NTNV



Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV



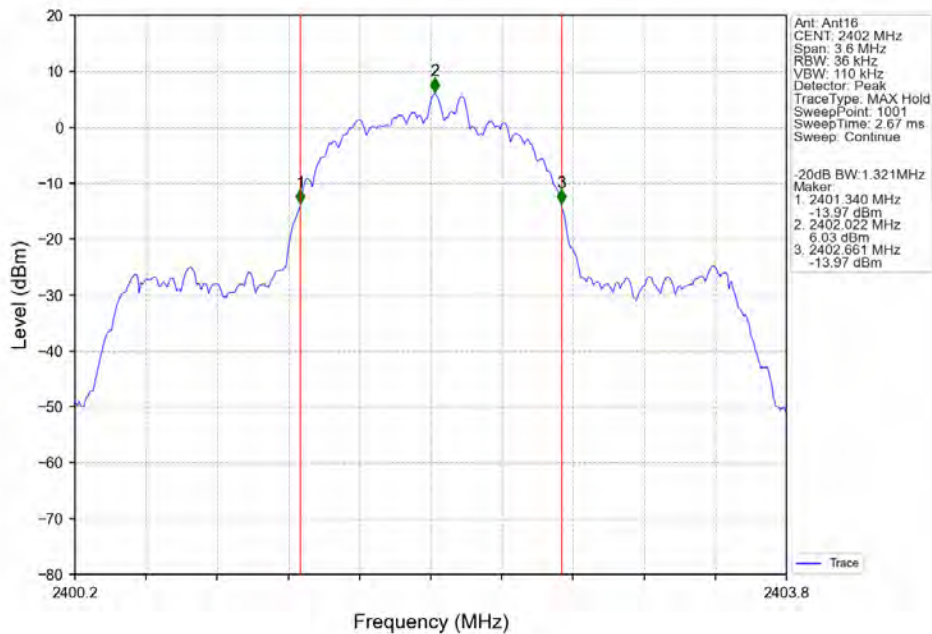
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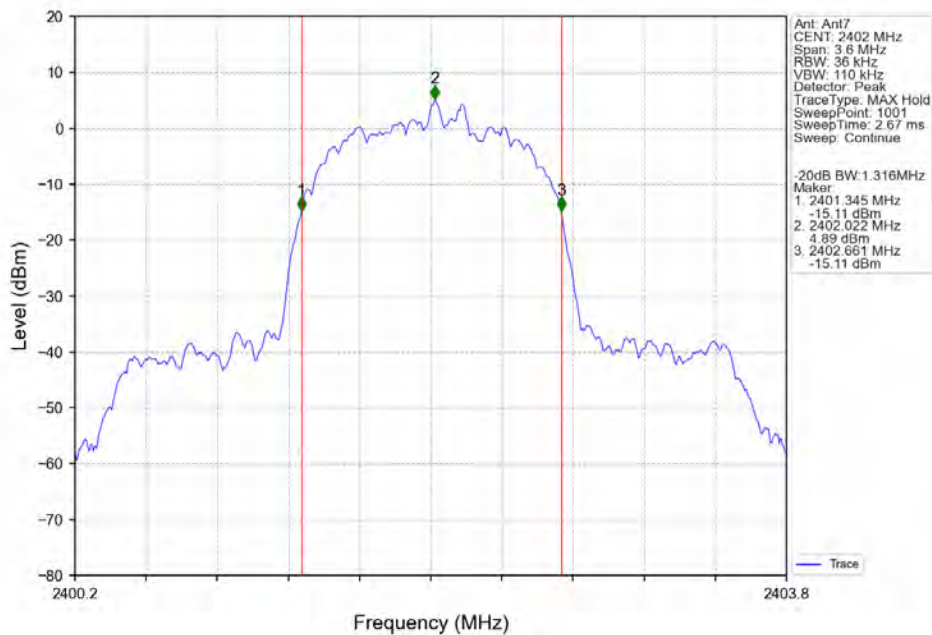
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8DPSK_3DH5_LCH_2402MHz_Ant16_NTNV



8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV



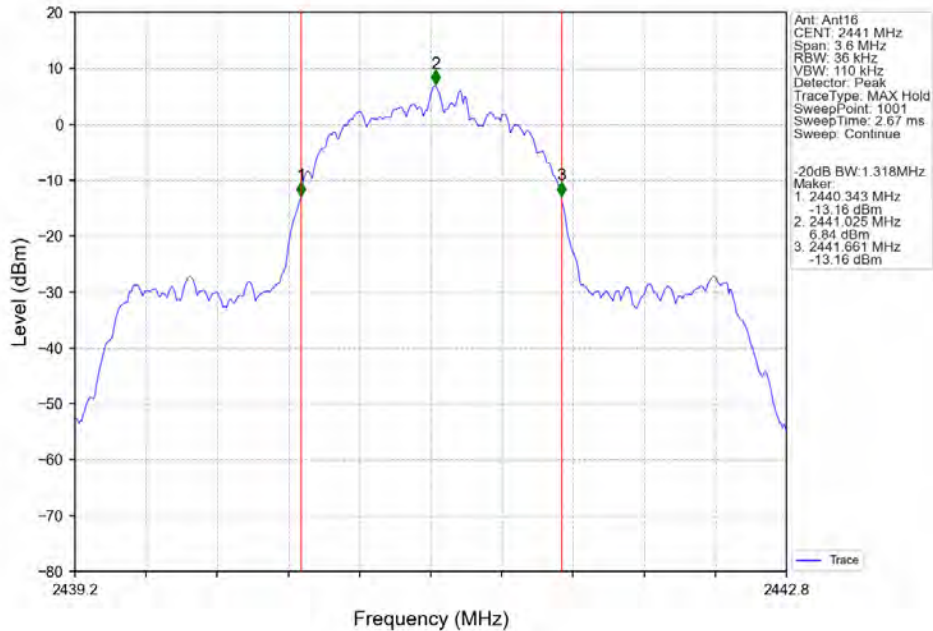
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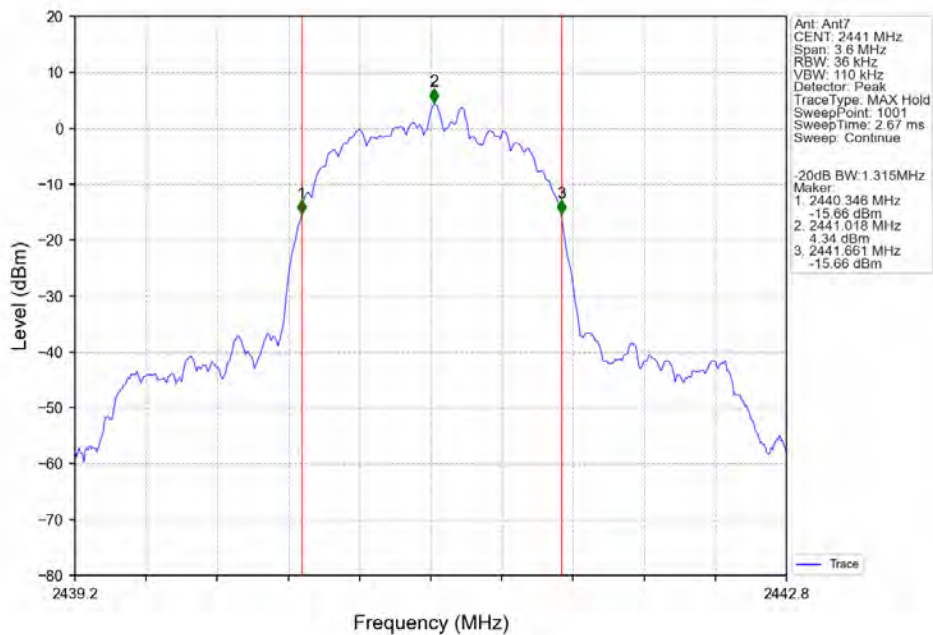
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8DPSK_3DH5_MCH_2441MHz_Ant16_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant7_NTNV



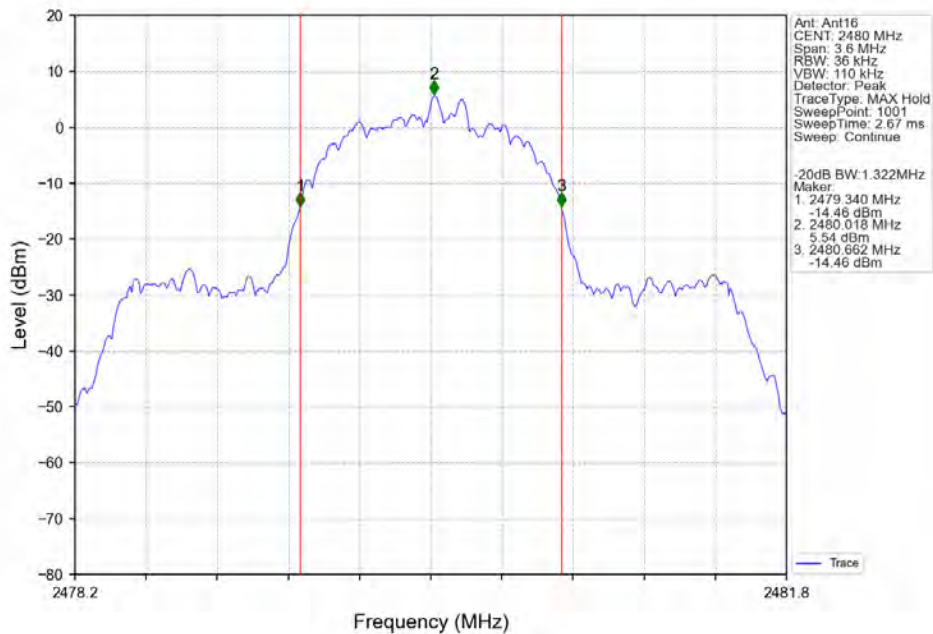
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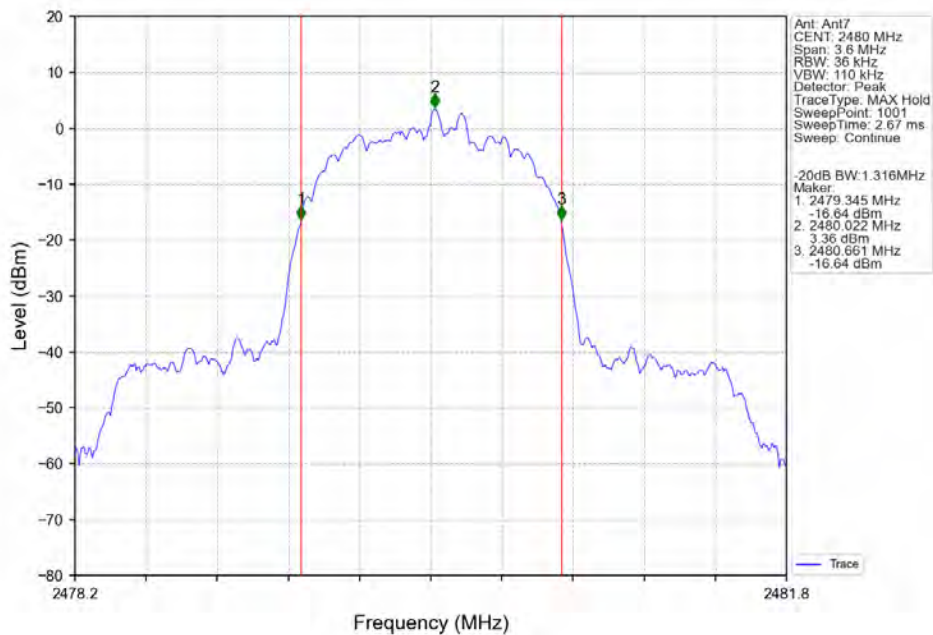
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8DPSK_3DH5_HCH_2480MHz_Ant16_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant7_NTNV



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14. Maximum Conducted Output Power

14.1 Test Result

14.1.1 Power

Mode	TX Type	Frequency (MHz)	Packet Type	Maximum Peak Conducted Output Power (dBm)			Verdict
				ANT16	ANT7	Limit	
GFSK	SISO	2402	DH5	8.40	12.18	<=30	Pass
		2441	DH5	9.95	11.68	<=30	Pass
		2480	DH5	8.36	12.51	<=30	Pass
Pi/4DQPSK	SISO	2402	2DH5	9.22	8.97	<=20.97	Pass
		2441	2DH5	10.66	8.47	<=20.97	Pass
		2480	2DH5	9.01	7.46	<=20.97	Pass
8DPSK	SISO	2402	3DH5	9.51	9.41	<=20.97	Pass
		2441	3DH5	10.79	8.93	<=20.97	Pass
		2480	3DH5	9.23	7.92	<=20.97	Pass

Note1: Antenna Gain: Ant16: -2.00dBi; Ant7: -2.00dBi;

15. Carrier Frequency Separation

15.1 Test Result

15.1.1 Ant16

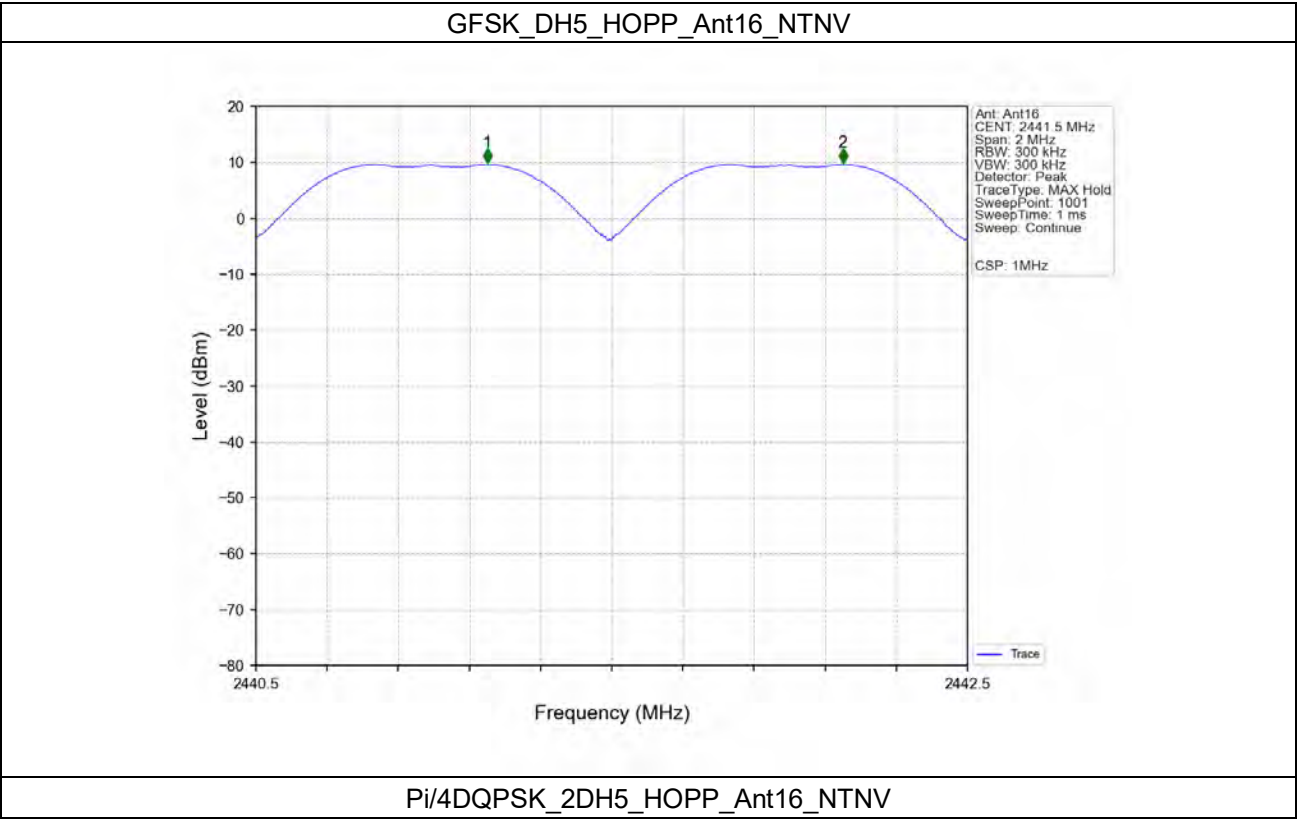
Ant16							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.957	>=0.957	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	1.001	1.343	>=0.895	Pass
8DPSK	SISO	HOPP	3DH5	0.998	1.322	>=0.881	Pass

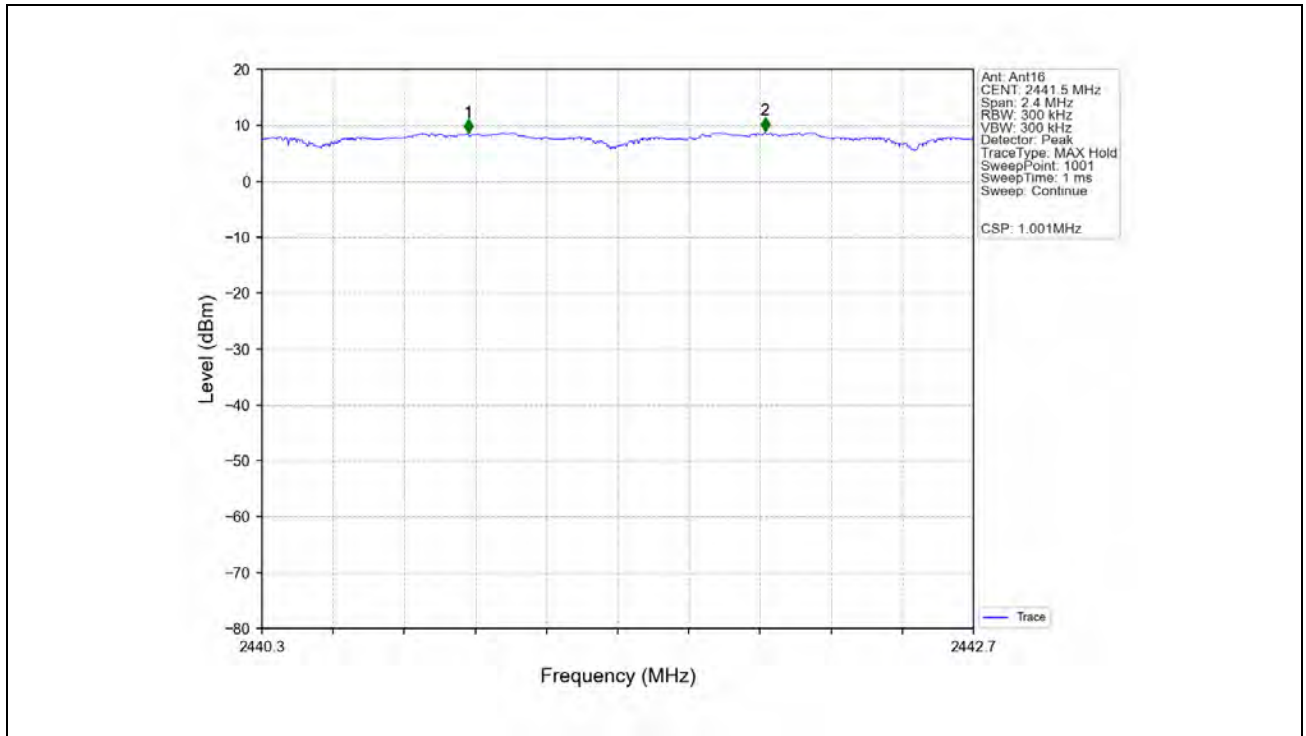
15.1.2 Ant7

Ant7							
Mode	TX Type	Frequency (MHz)	Packet Type	Channel Separation (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Verdict
GFSK	SISO	HOPP	DH5	1.000	0.957	>=0.957	Pass
Pi/4DQPSK	SISO	HOPP	2DH5	0.989	1.343	>=0.895	Pass
8DPSK	SISO	HOPP	3DH5	1.003	1.322	>=0.881	Pass

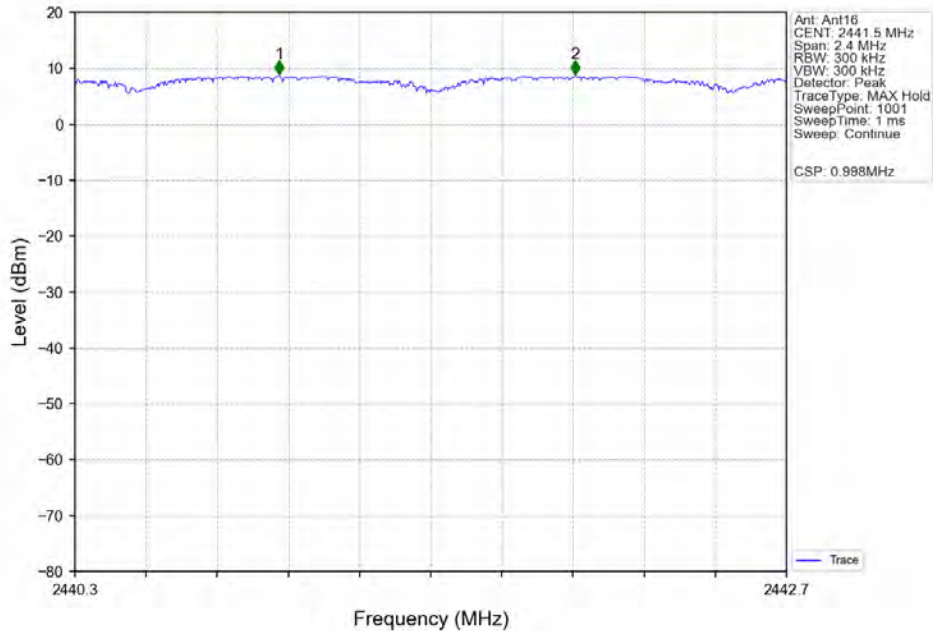
15.2 Test Graph

15.2.1 Ant16

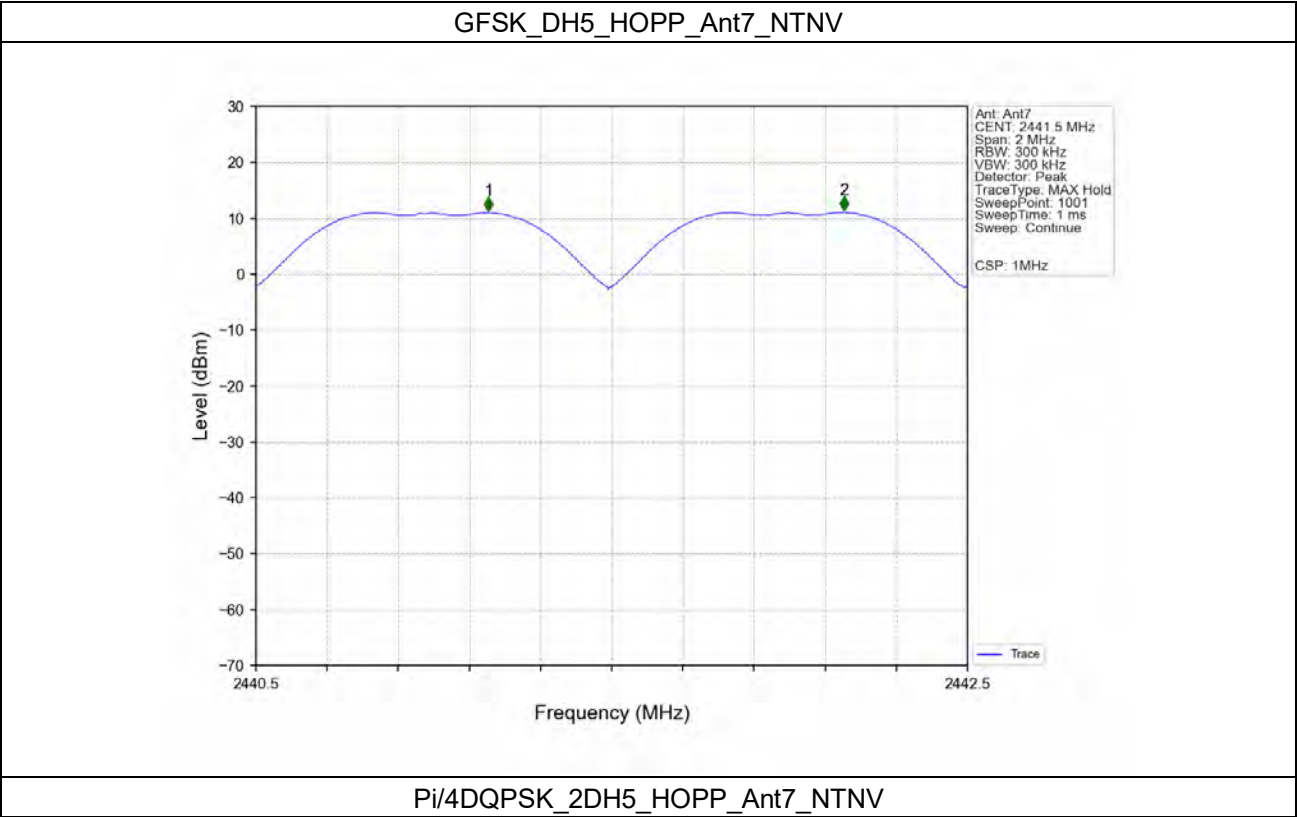


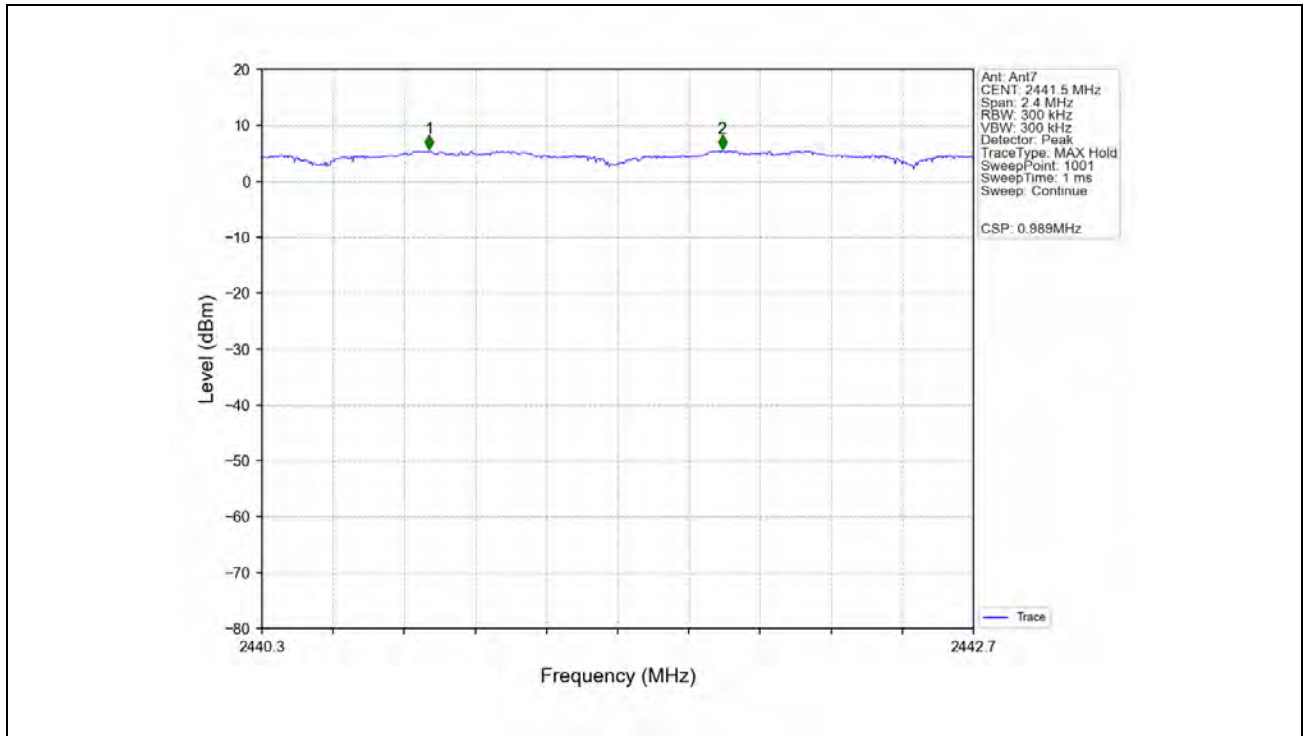


8DPSK_3DH5_HOPP_Ant16_NTNV

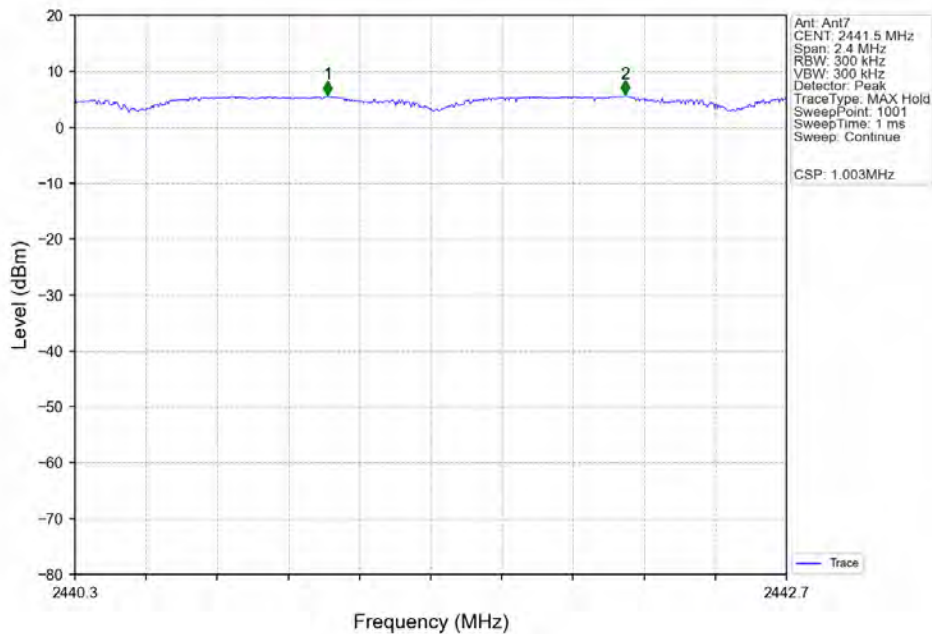


15.2.2 Ant7





8DPSK_3DH5_HOPP_Ant7_NTNV



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

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16. Number of Hopping Frequencies

16.1 Test Result

16.1.1 HoppNum

Mode	TX Type	Frequency (MHz)	Packet Type	Num of Hopping Frequencies			Verdict
				ANT16	ANT7	Limit	
GFSK	SISO	HOPP	DH5	79	79	>=15	Pass
PI/4DQPSK	SISO	HOPP	2DH5	79	79	>=15	Pass
8DPSK	SISO	HOPP	3DH5	79	79	>=15	Pass



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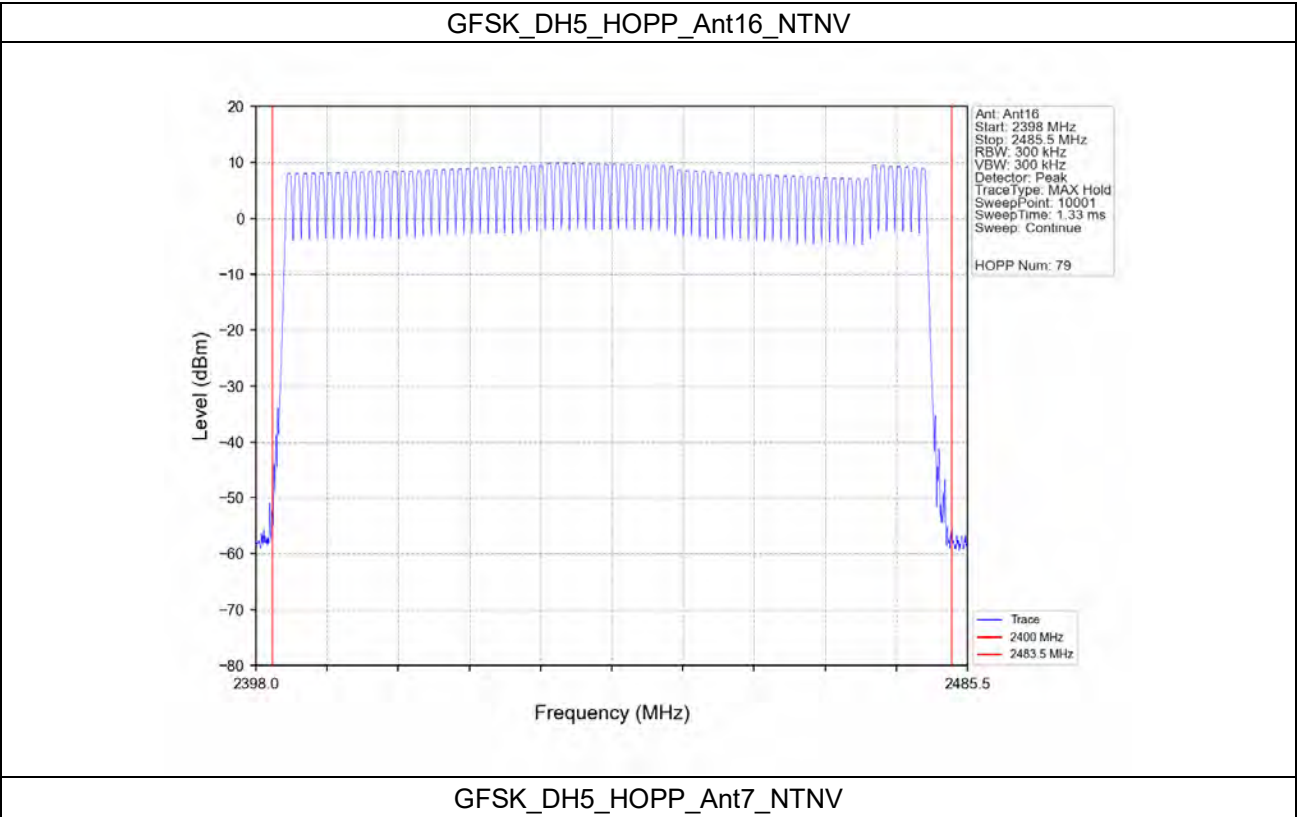
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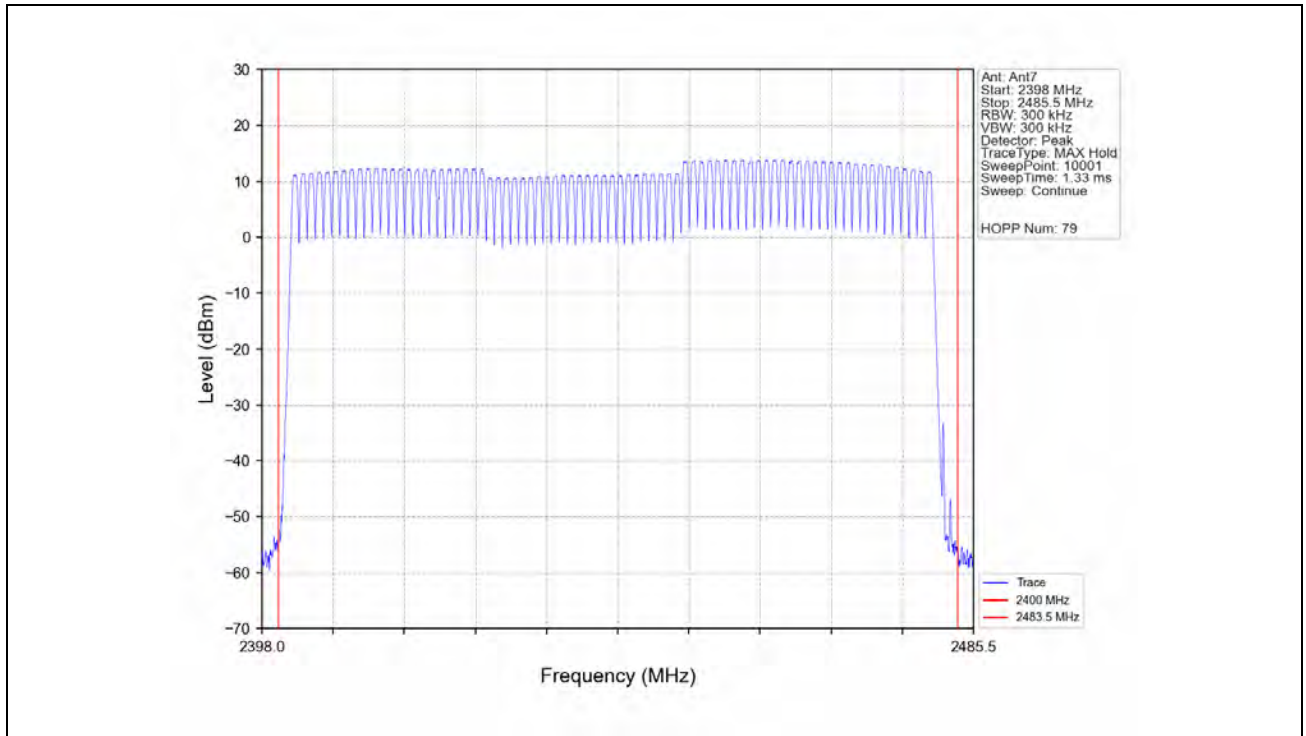
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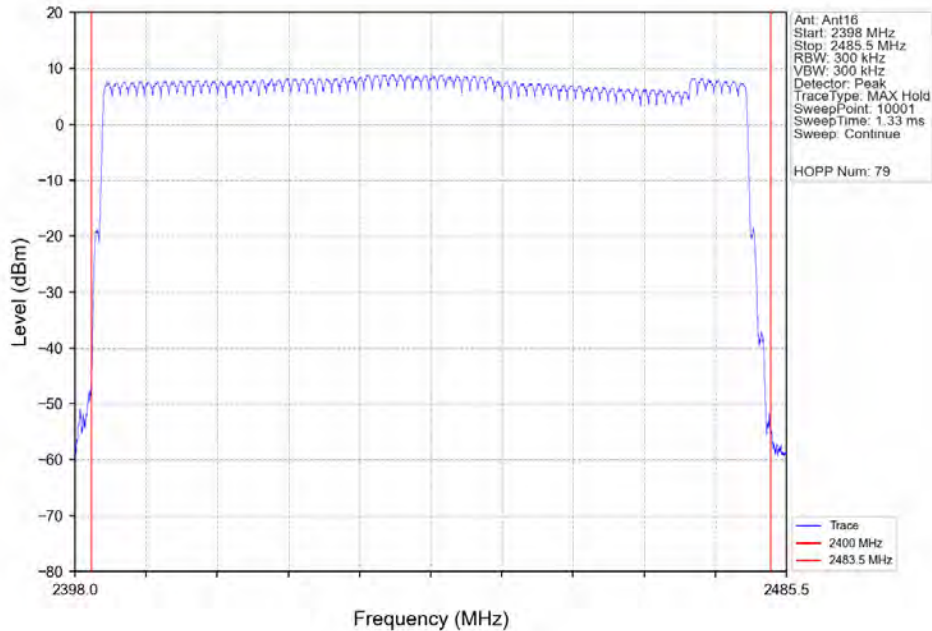
16.2 Test Graph

16.2.1 HoppNum

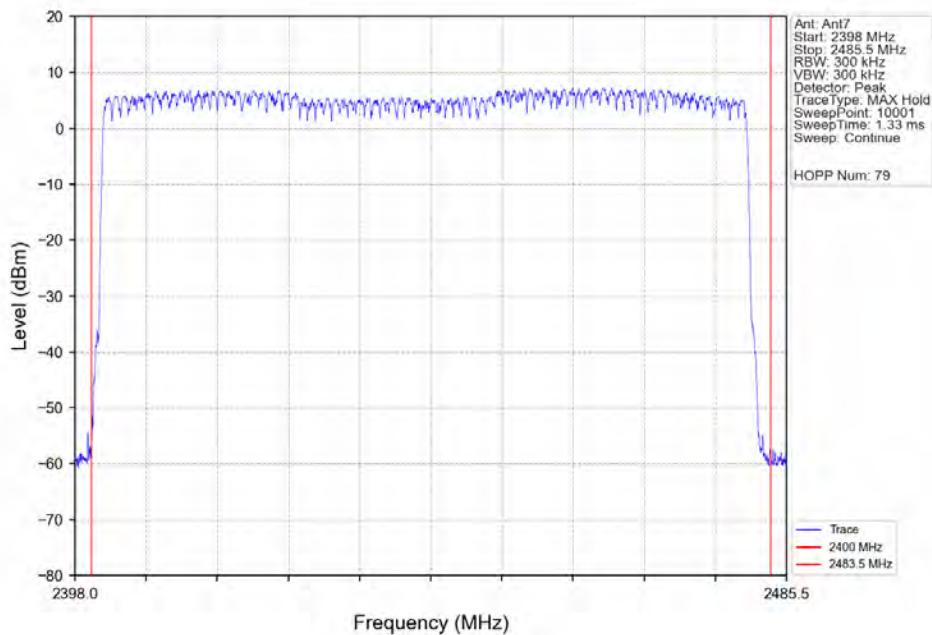




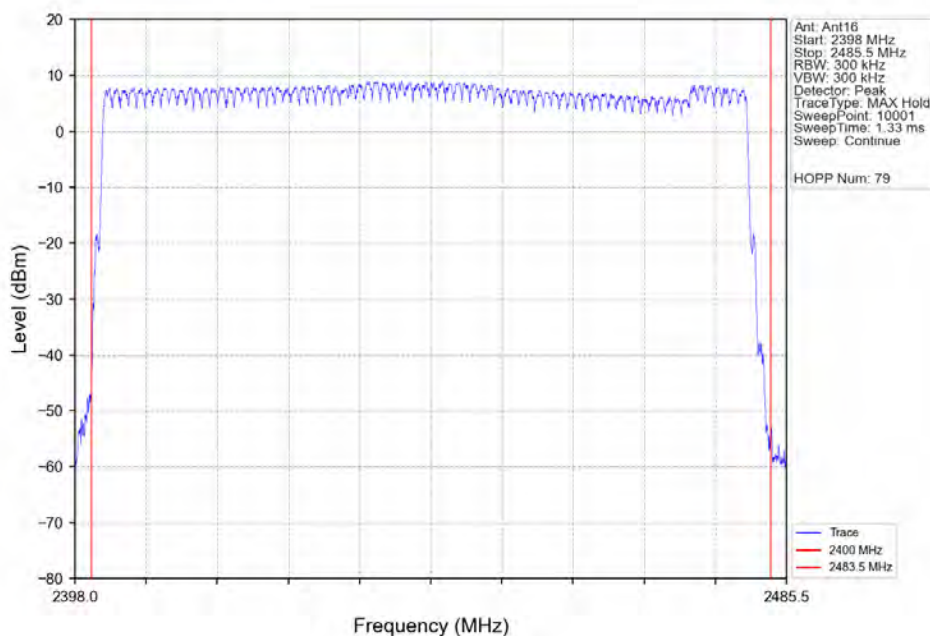
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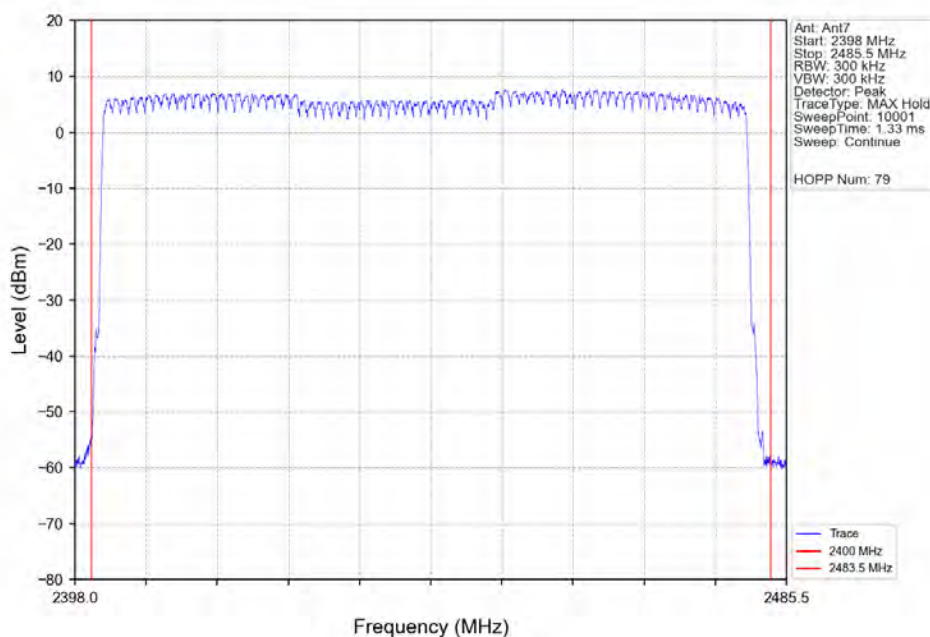
Pi/4DQPSK_2DH5_HOPP_Ant7_NTNV



8DPSK_3DH5_HOPP_Ant16_NTNV



8DPSK_3DH5_HOPP_Ant7_NTNV



17. Time of Occupancy (Dwell Time)

17.1 Test Result

17.1.1 Ant16

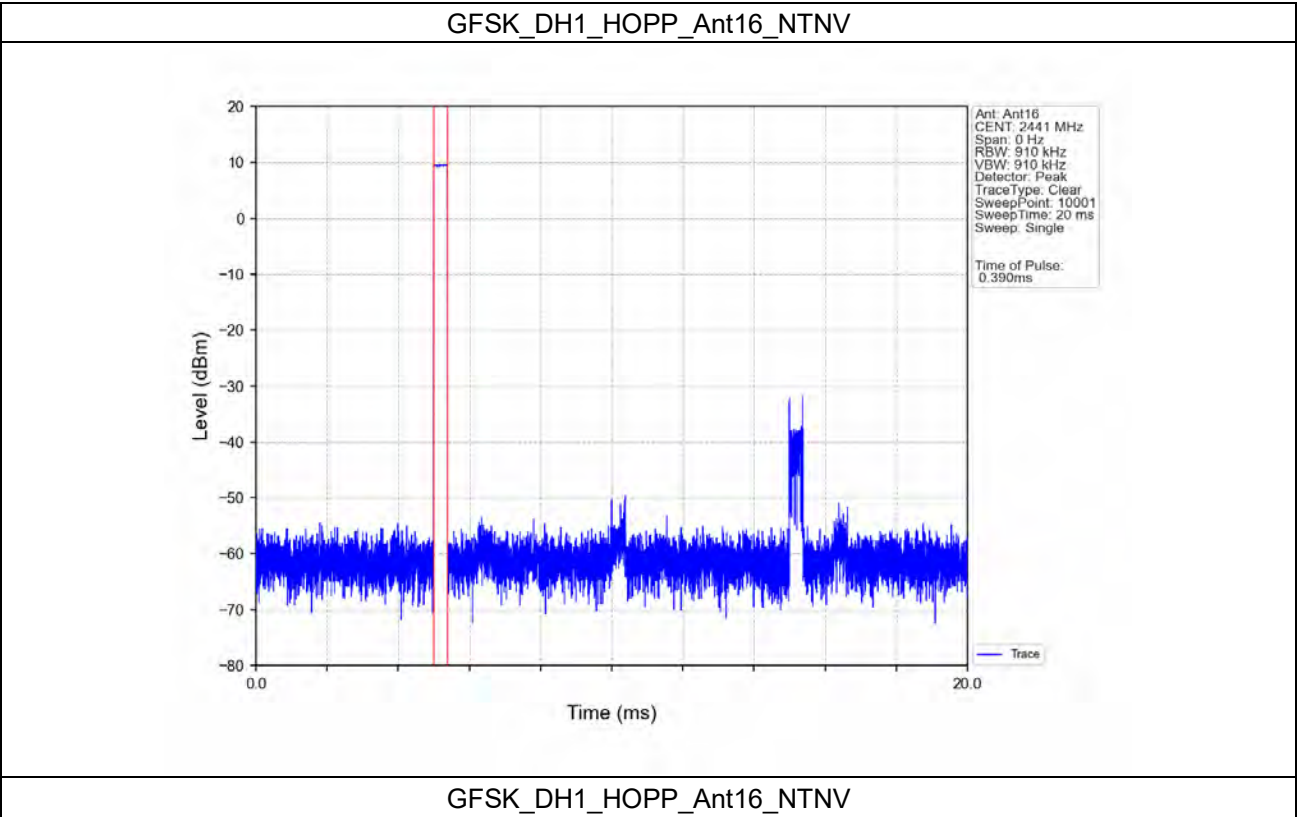
Ant16									
Mode	TX Type	Frequency (MHz)	Packet Type	Duration of Single Pulse (ms)	Observation Period (s)	Num of Pulse in Observation Period	Dwell Time (ms)	Limit (ms)	Verdict
GFSK	SISO	HOPP	DH1	0.390	31.600	320	124.800	<=400	Pass
			DH3	1.646	31.600	174	286.404	<=400	Pass
			DH5	2.892	31.600	98	283.416	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.392	31.600	320	125.440	<=400	Pass
			2DH3	1.644	31.600	161	264.684	<=400	Pass
			2DH5	2.896	31.600	109	315.664	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.392	31.600	319	125.048	<=400	Pass
			3DH3	1.648	31.600	167	275.216	<=400	Pass
			3DH5	2.894	31.600	104	300.976	<=400	Pass

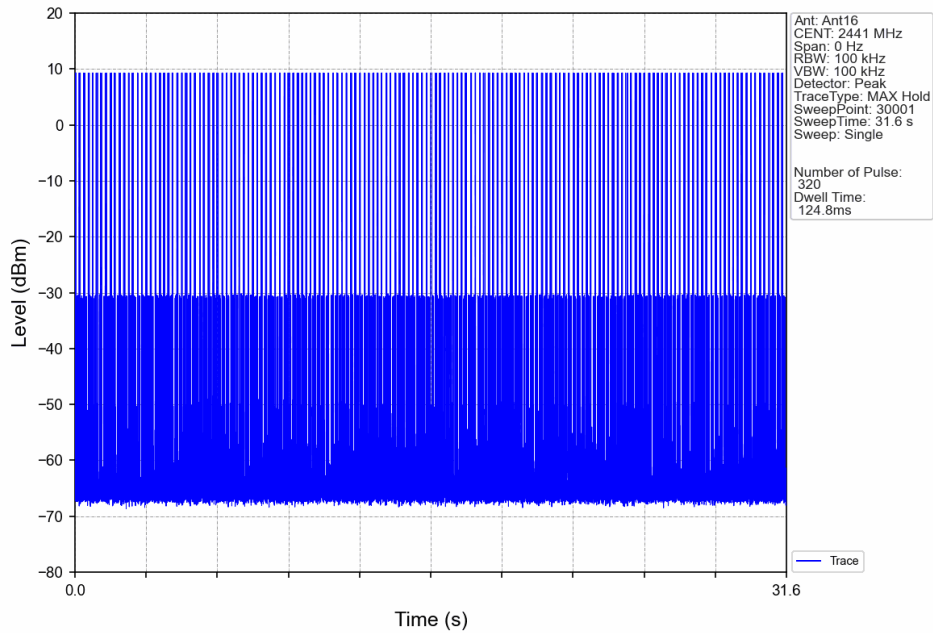
17.1.2 Ant7

Ant7									
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	0.388	31.600	320	124.160	<=400	Pass
			DH3	1.644	31.600	167	274.548	<=400	Pass
			DH5	2.896	31.600	103	298.288	<=400	Pass
Pi/4DQPSK	SISO	HOPP	2DH1	0.392	31.600	320	125.440	<=400	Pass
			2DH3	1.646	31.600	162	266.652	<=400	Pass
			2DH5	2.896	31.600	106	306.976	<=400	Pass
8DPSK	SISO	HOPP	3DH1	0.390	31.600	320	124.800	<=400	Pass
			3DH3	1.644	31.600	159	261.396	<=400	Pass
			3DH5	2.898	31.600	98	284.004	<=400	Pass

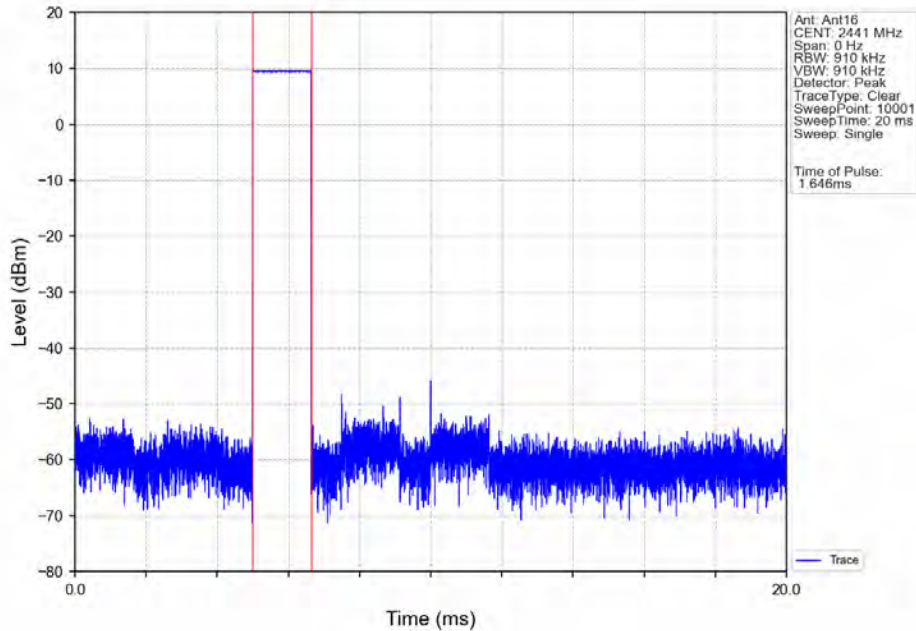
17.2 Test Graph

17.2.1 Ant16

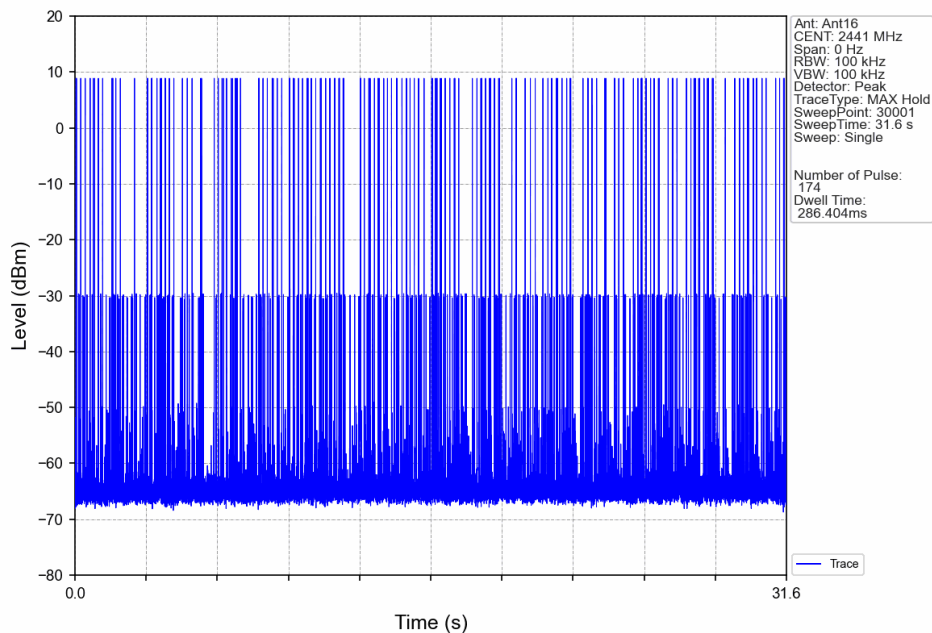




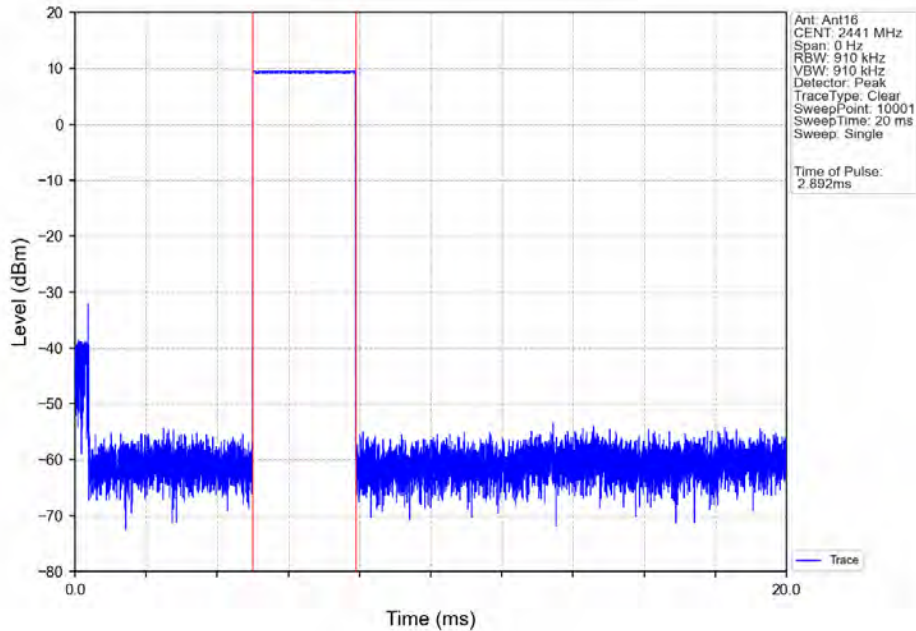
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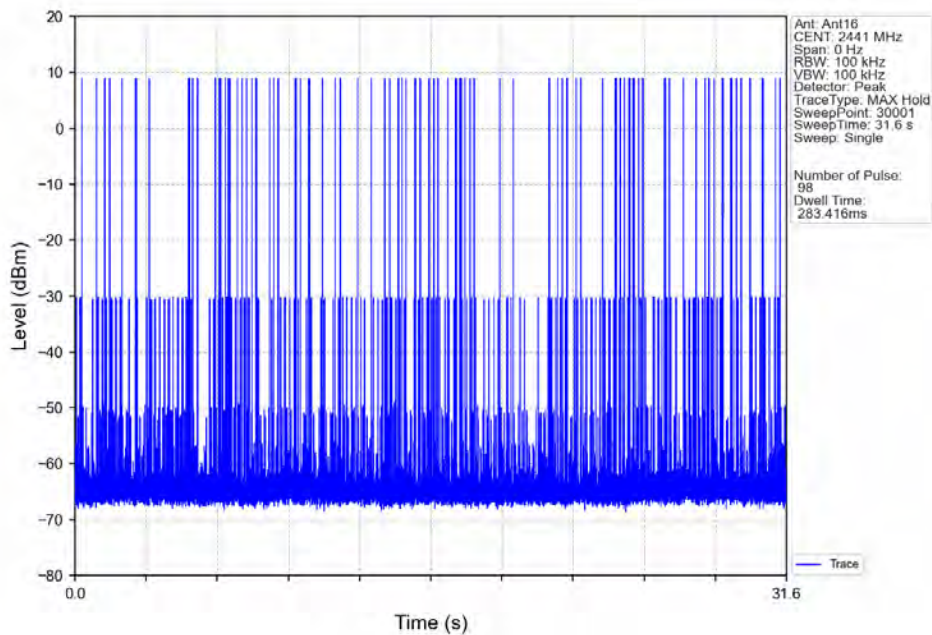
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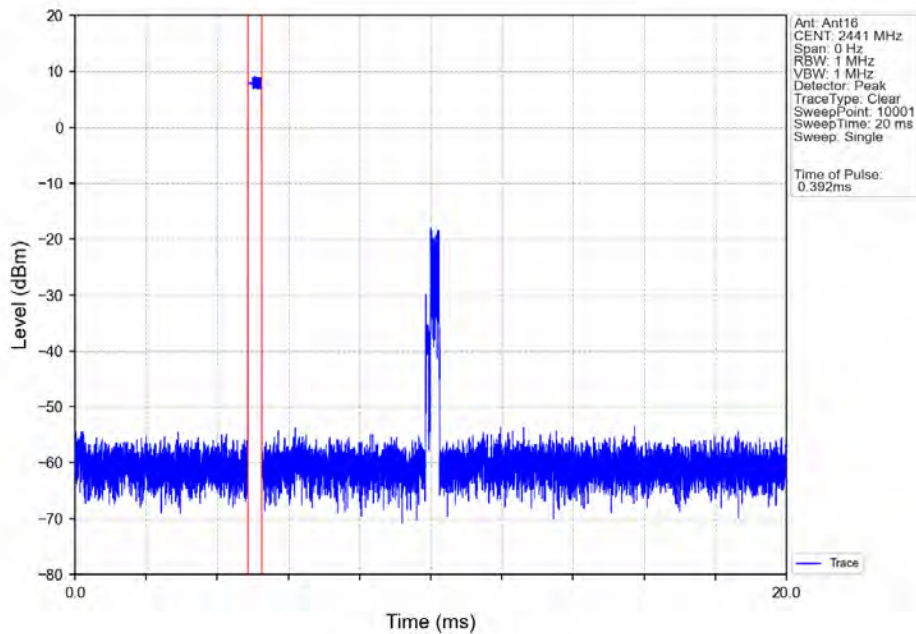
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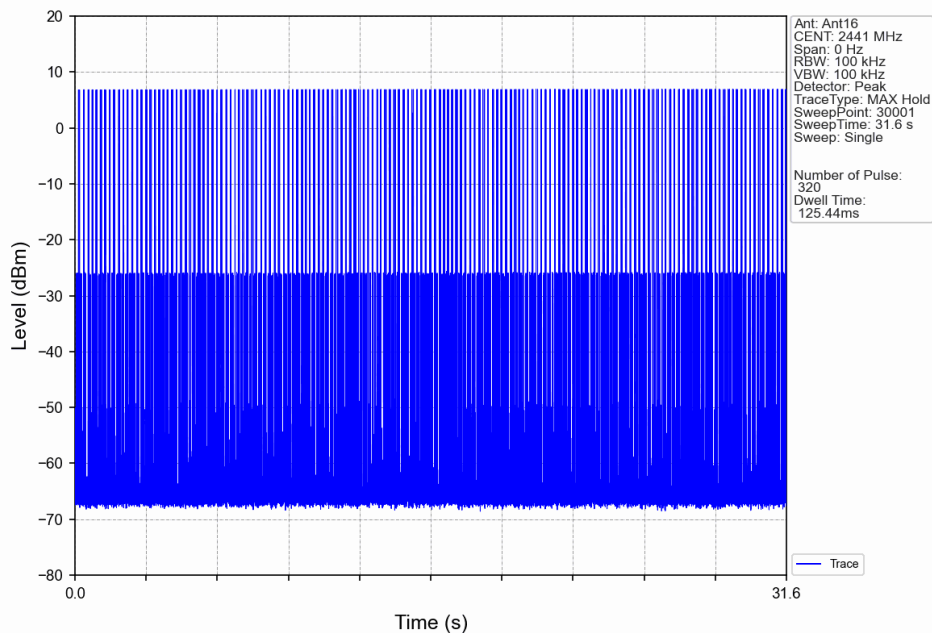
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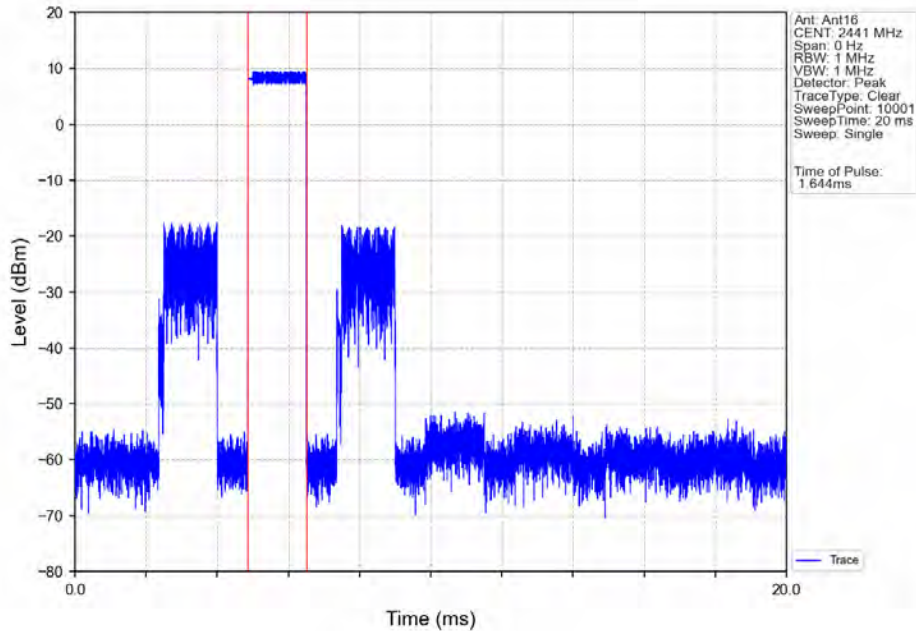
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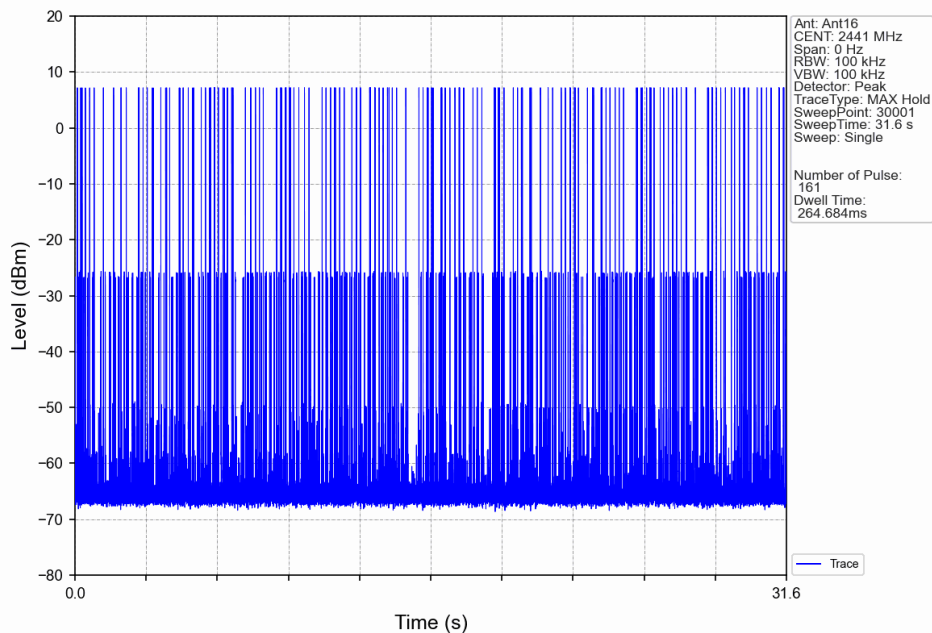
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Pi/4DQPSK_2DH3_HOPP_Ant16_NTNV



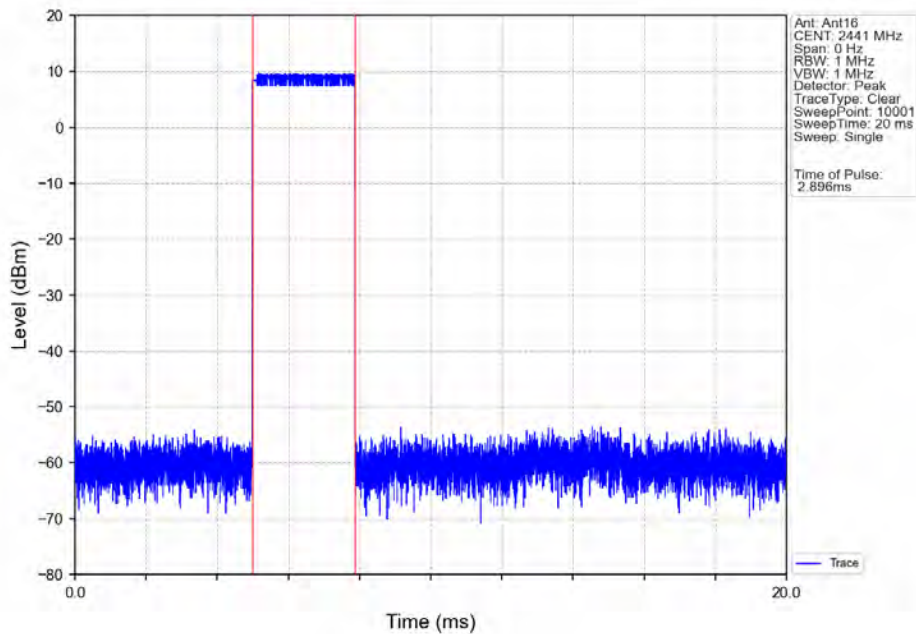
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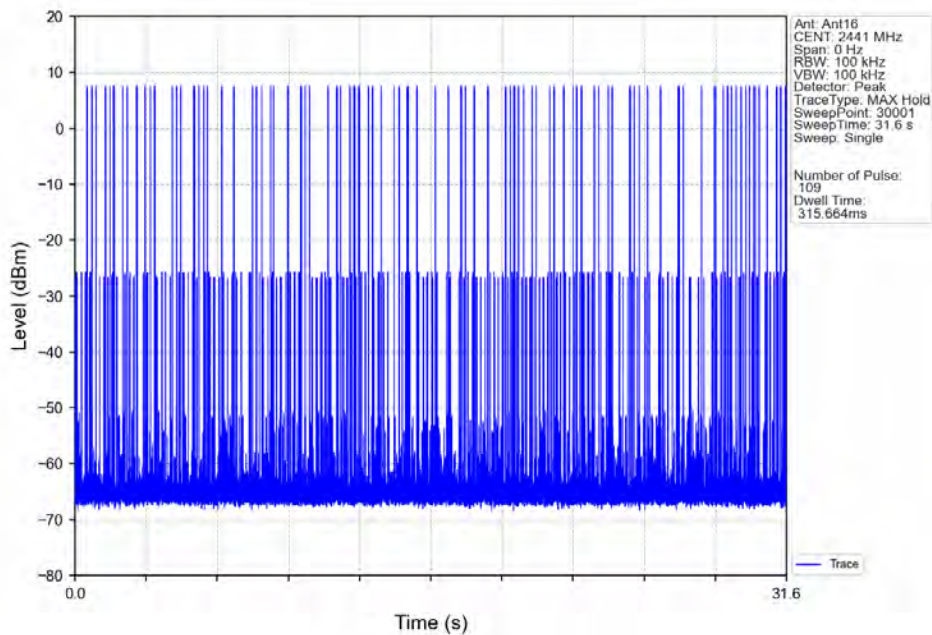
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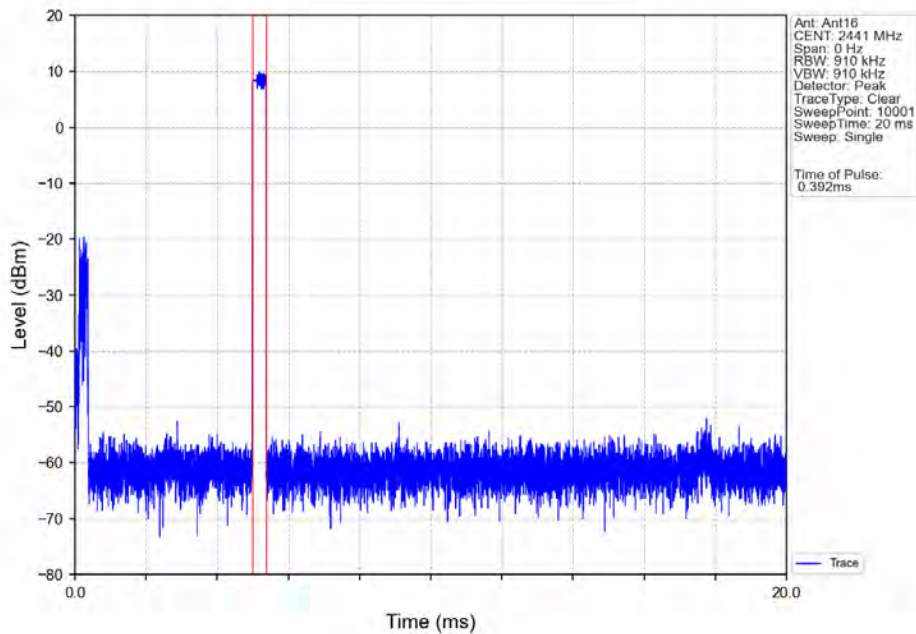
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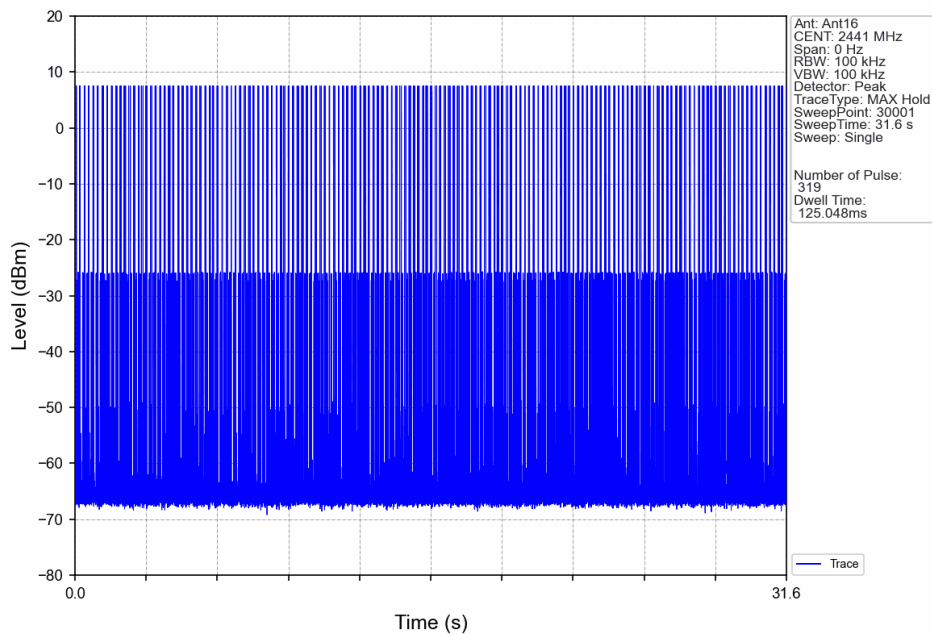
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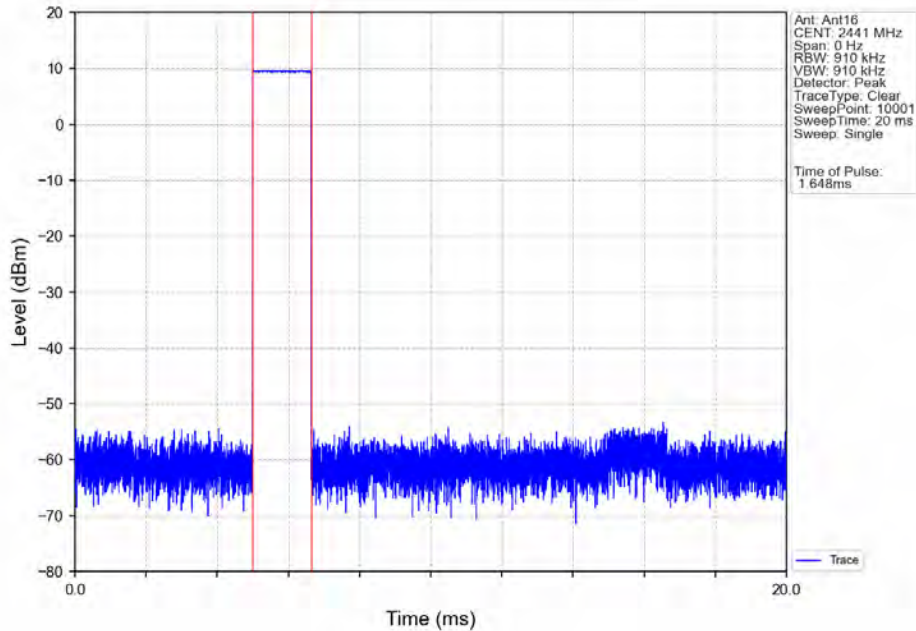
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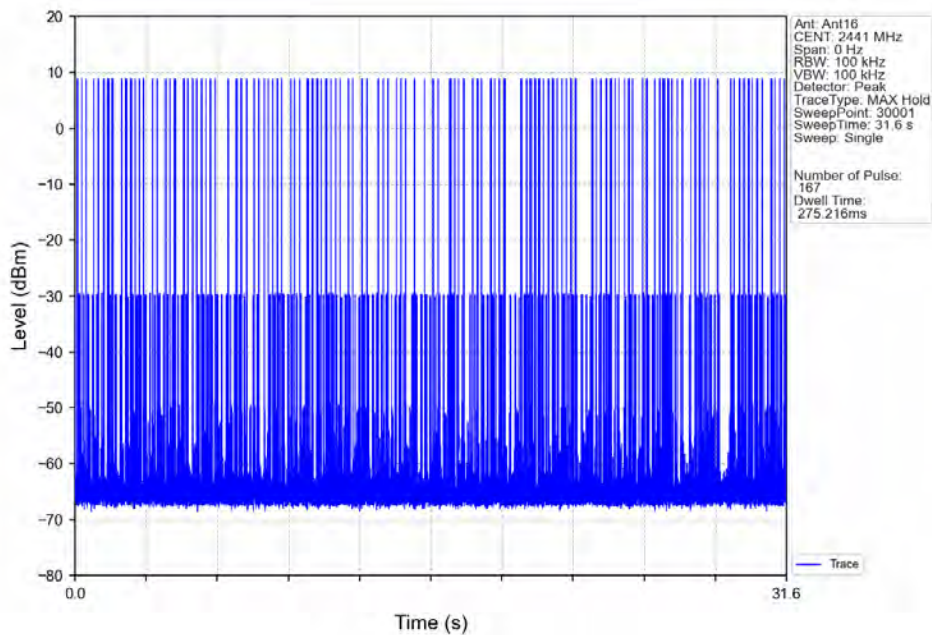
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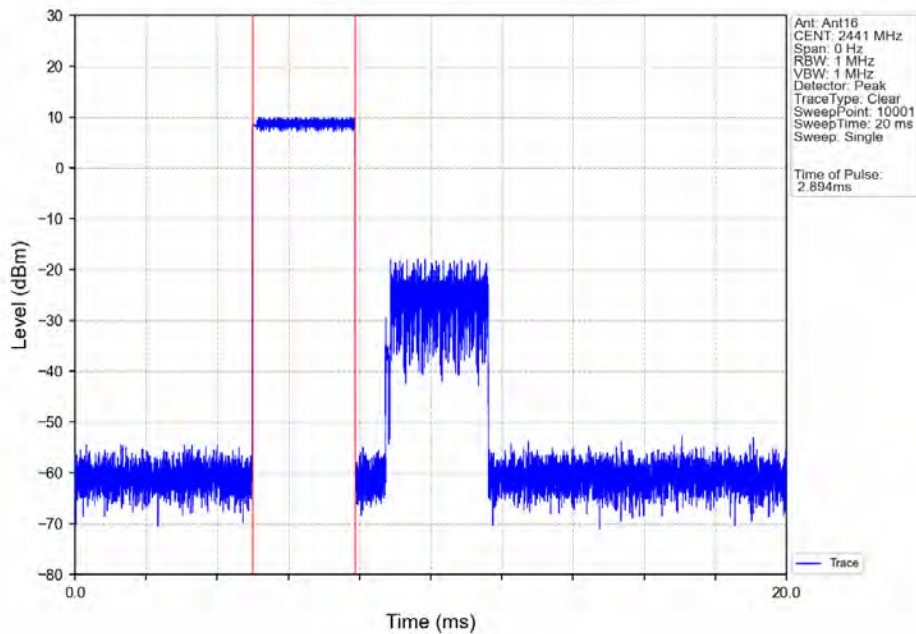
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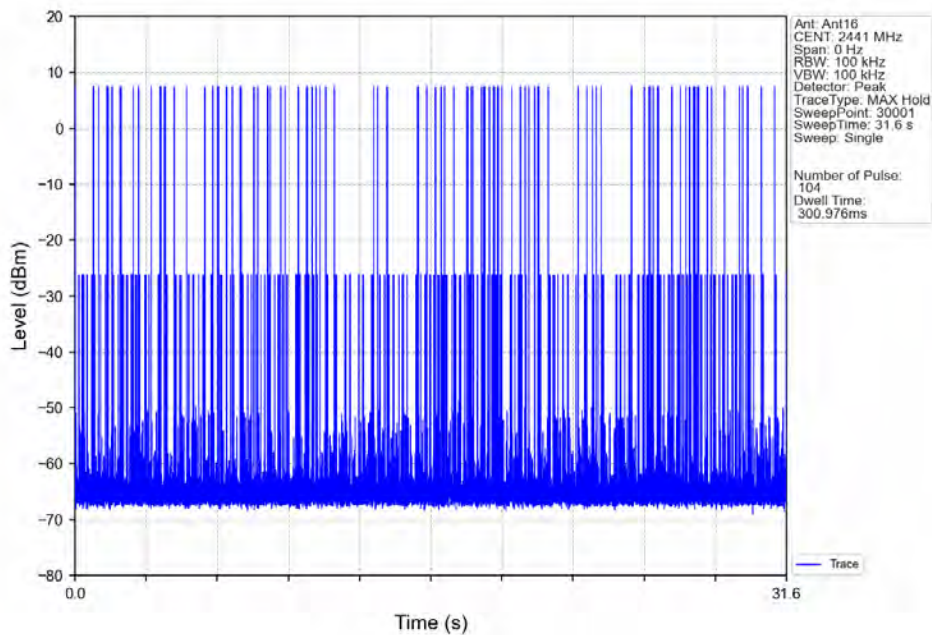
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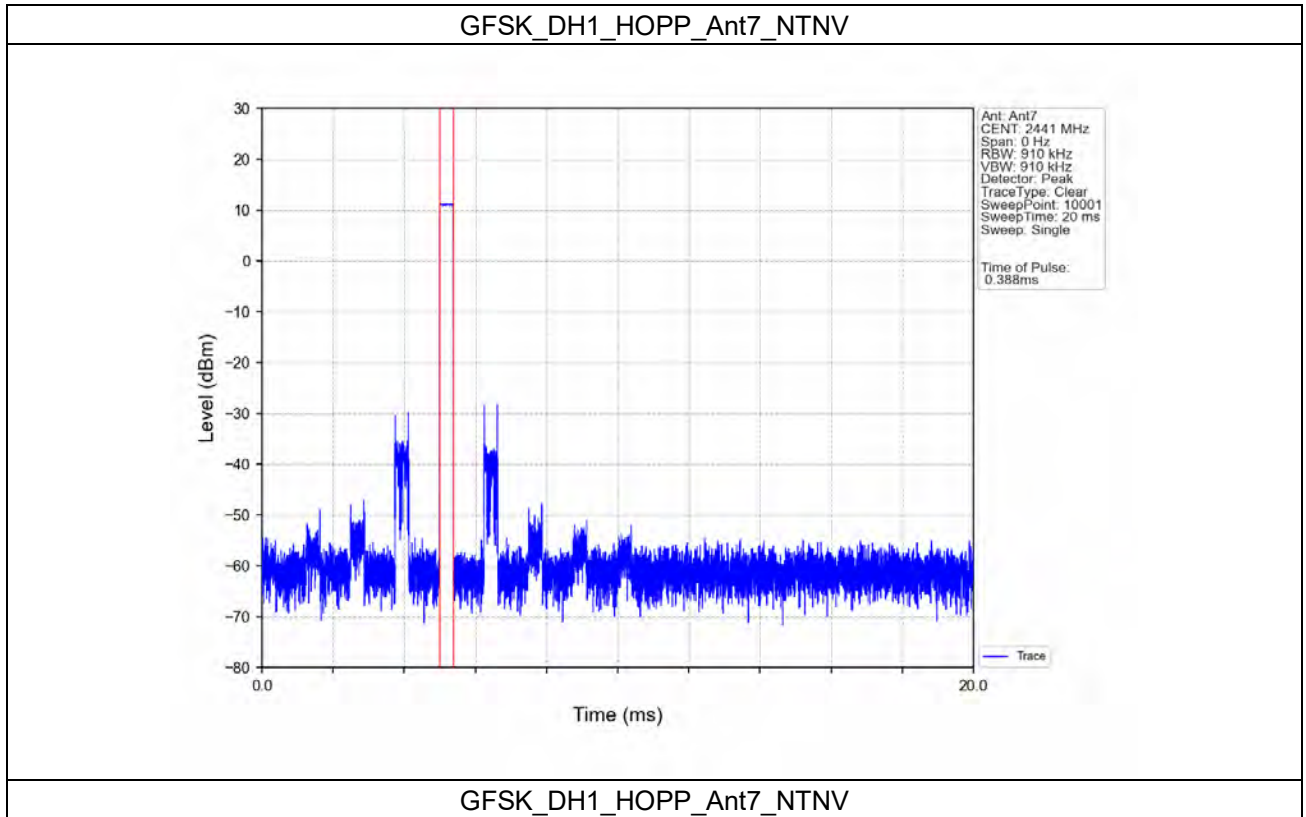
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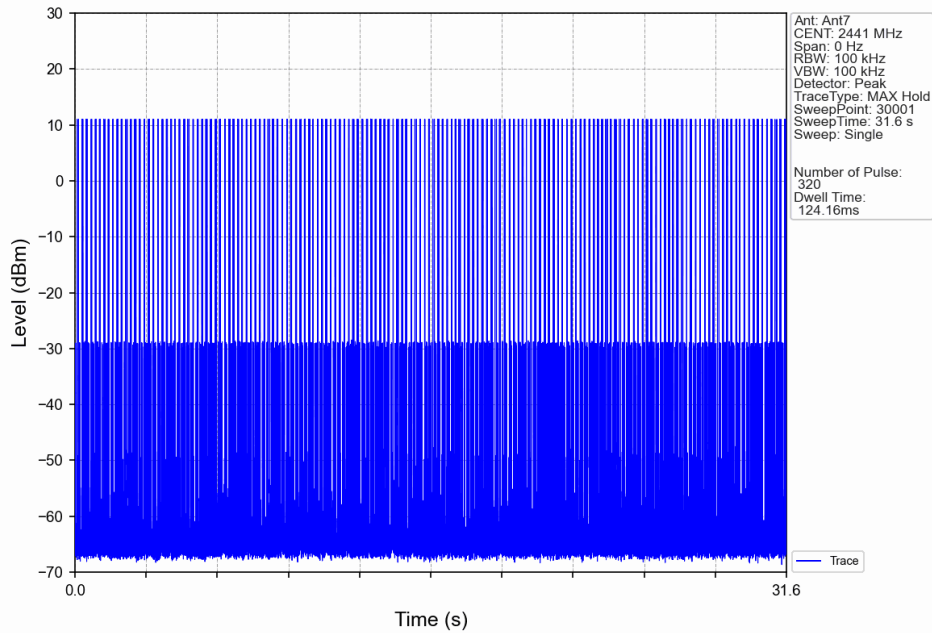


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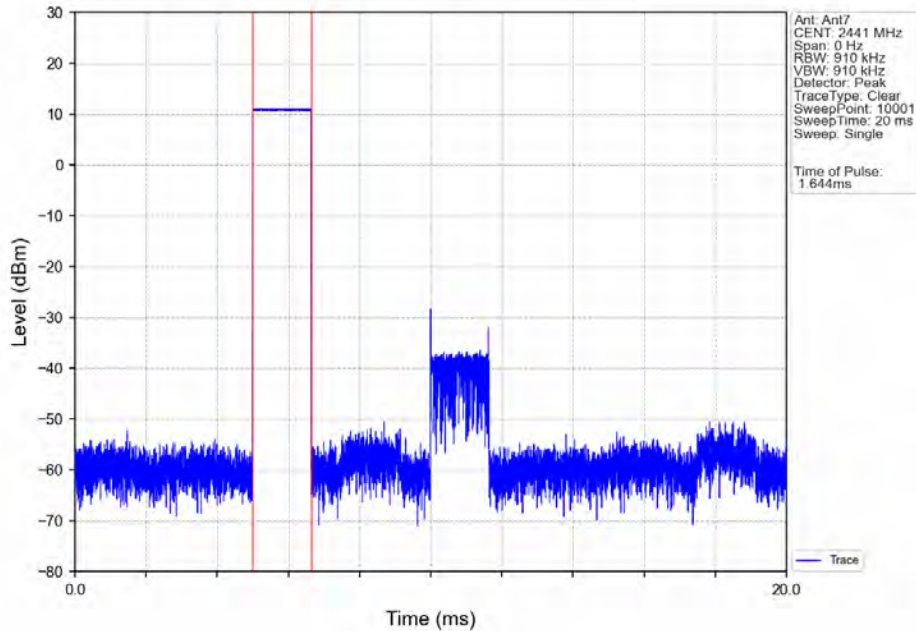


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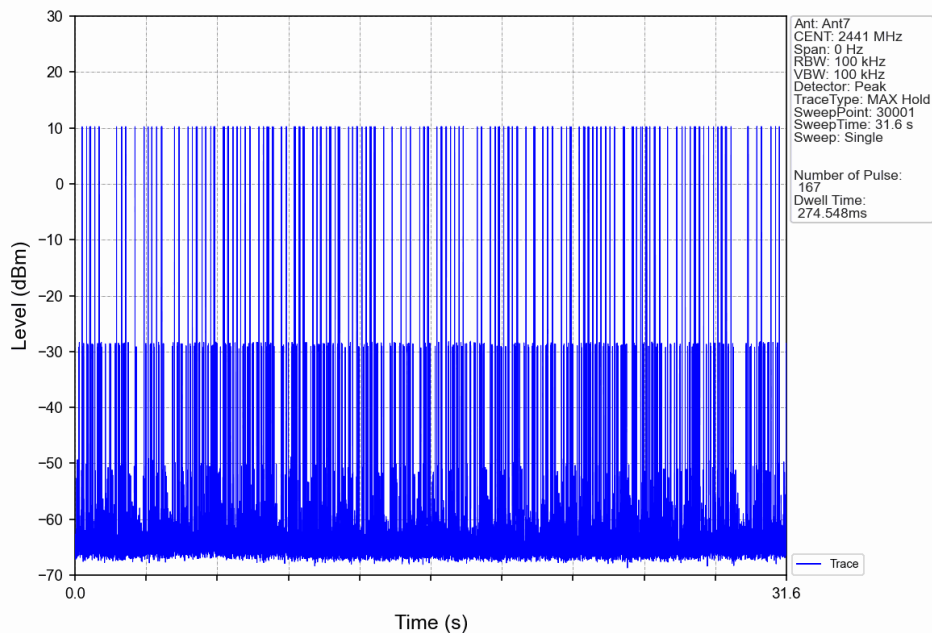




GFSK_DH3_HOPP_Ant7_NTNV



GFSK_DH3_HOPP_Ant7_NTNV



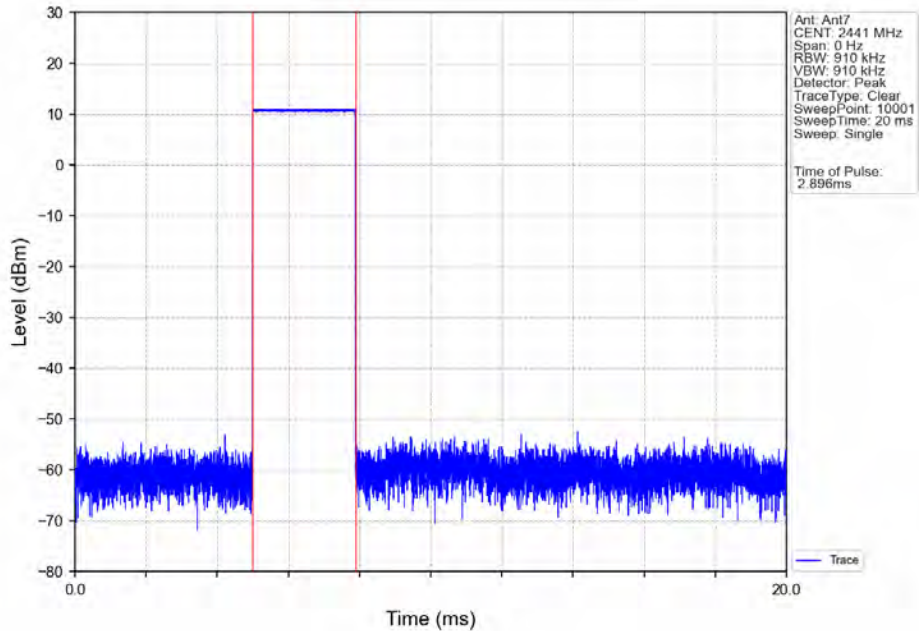
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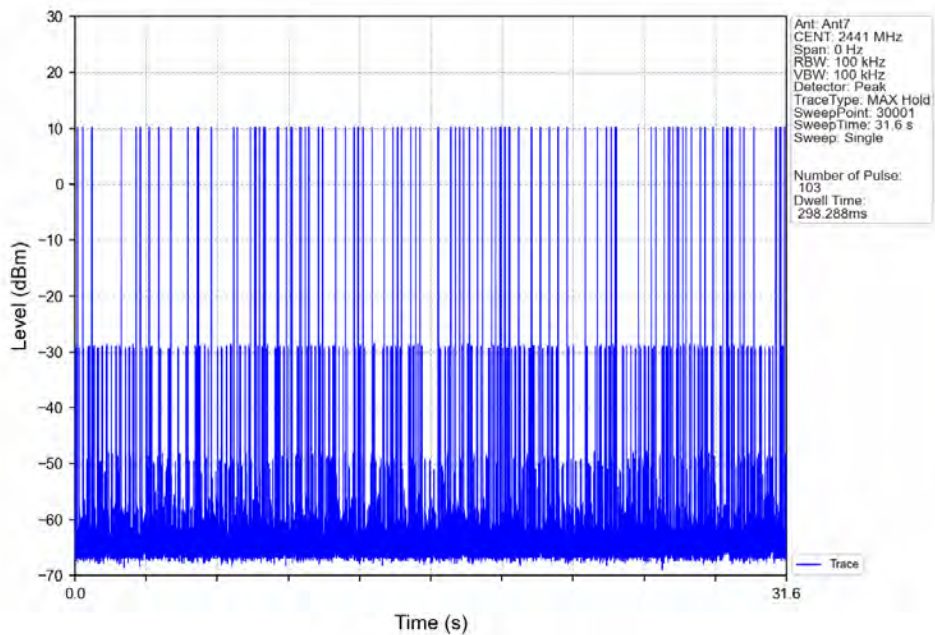
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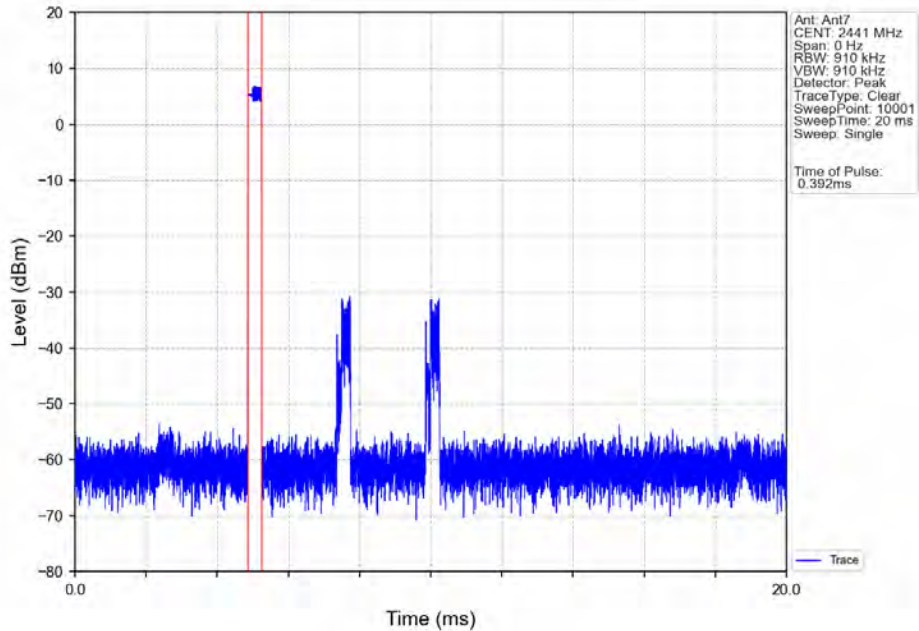
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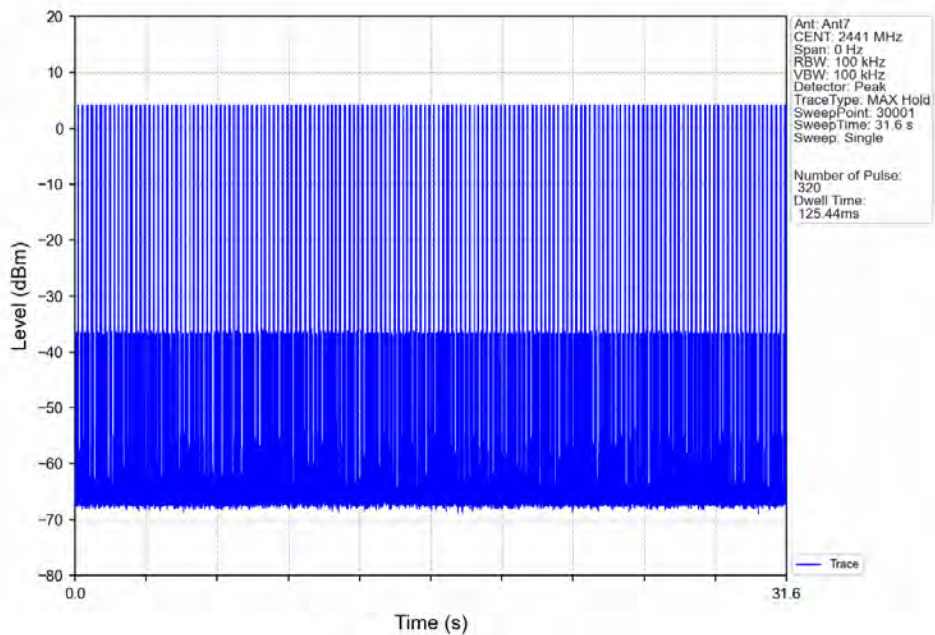
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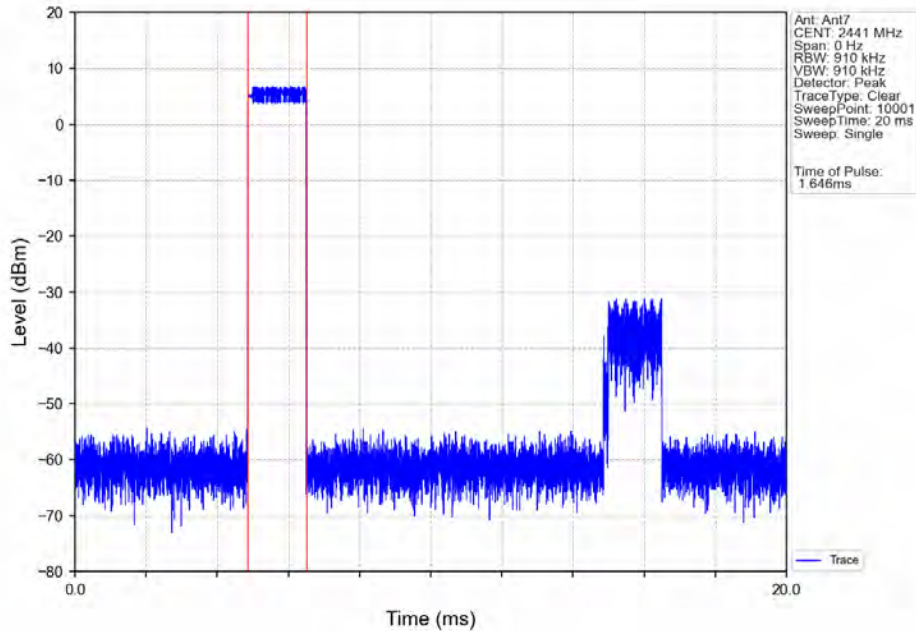
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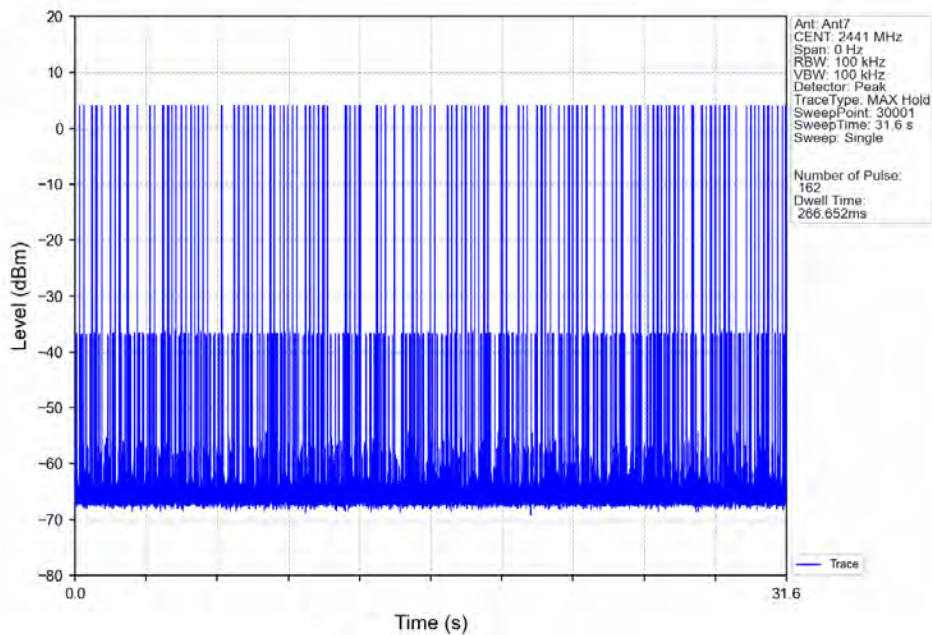
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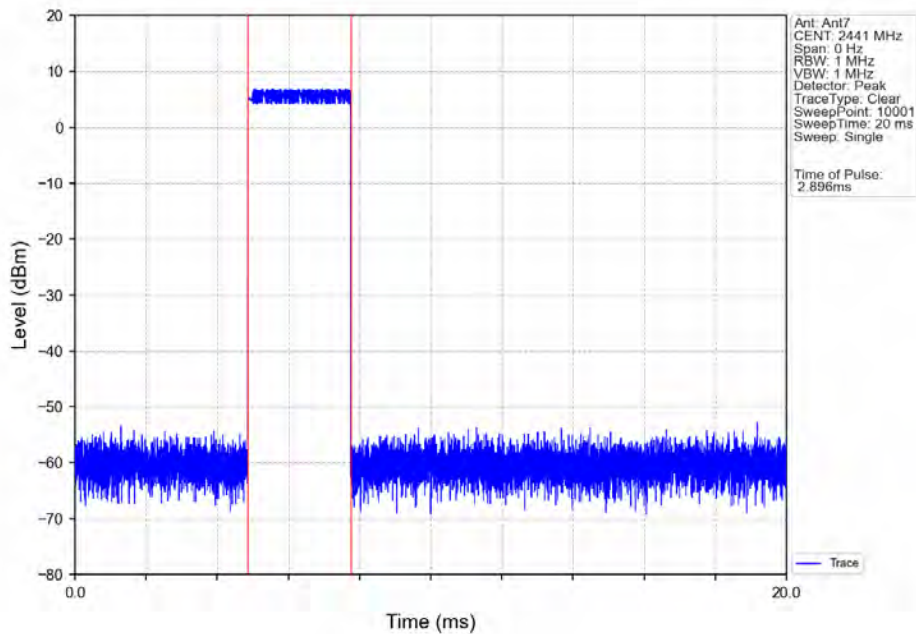
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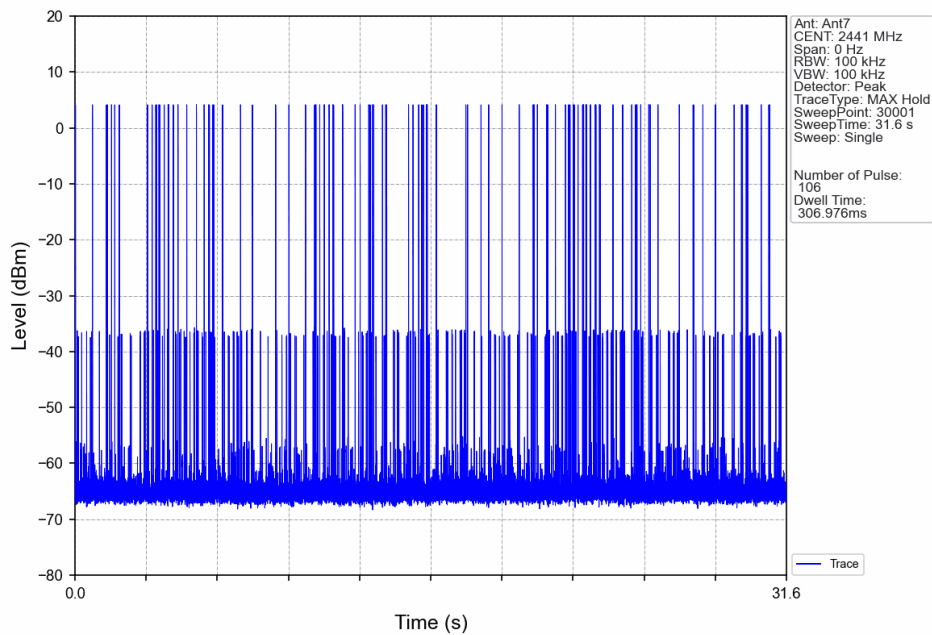
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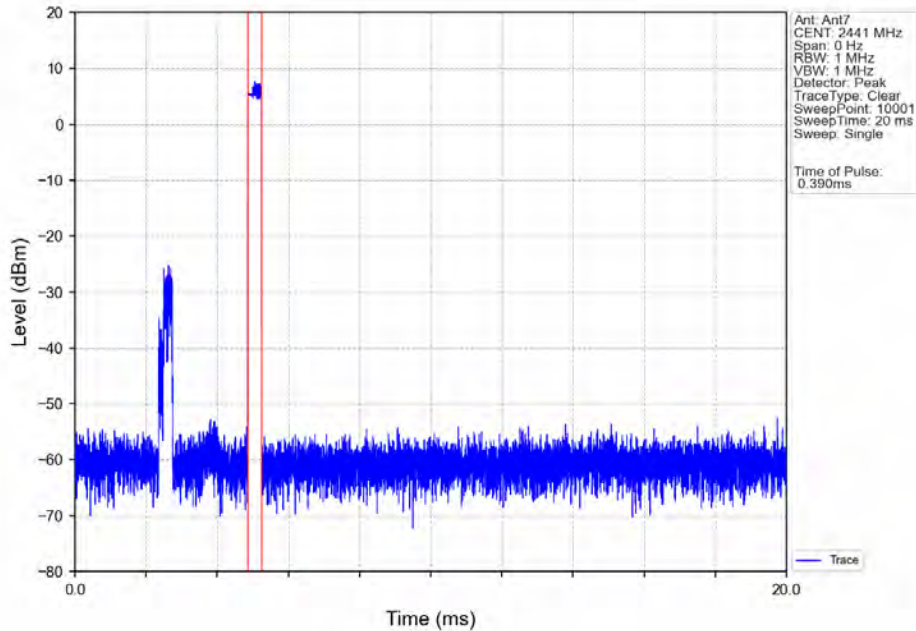
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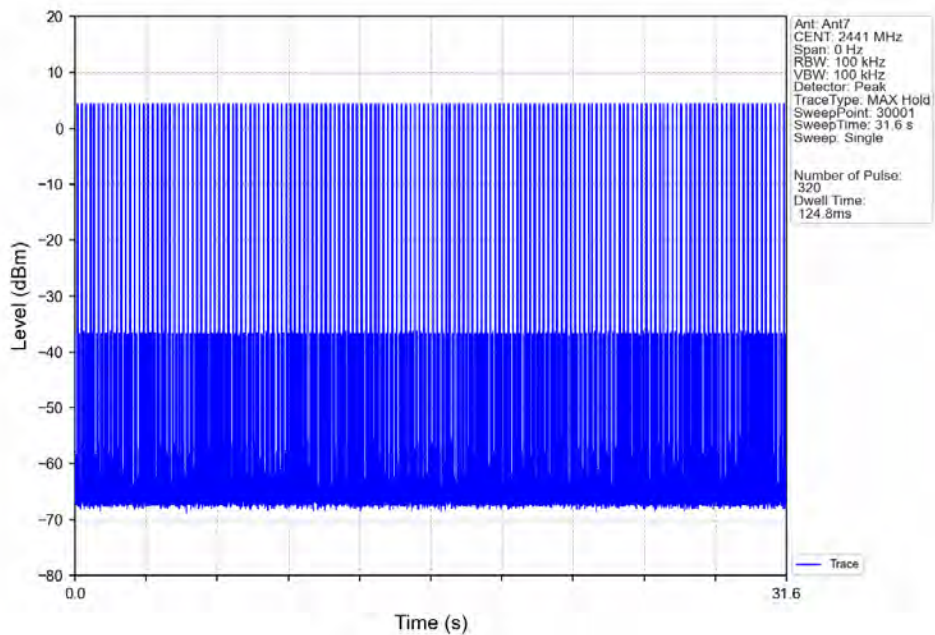
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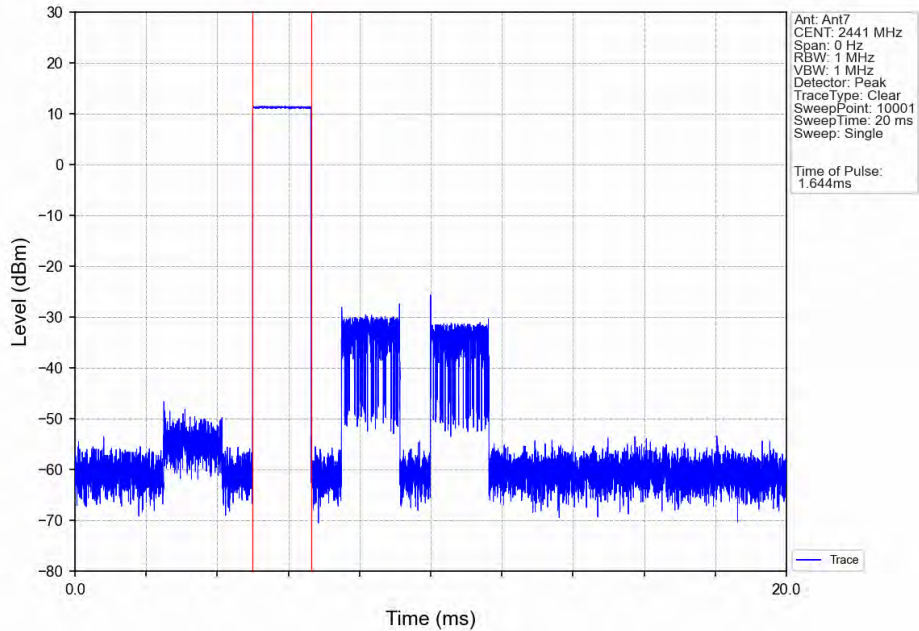
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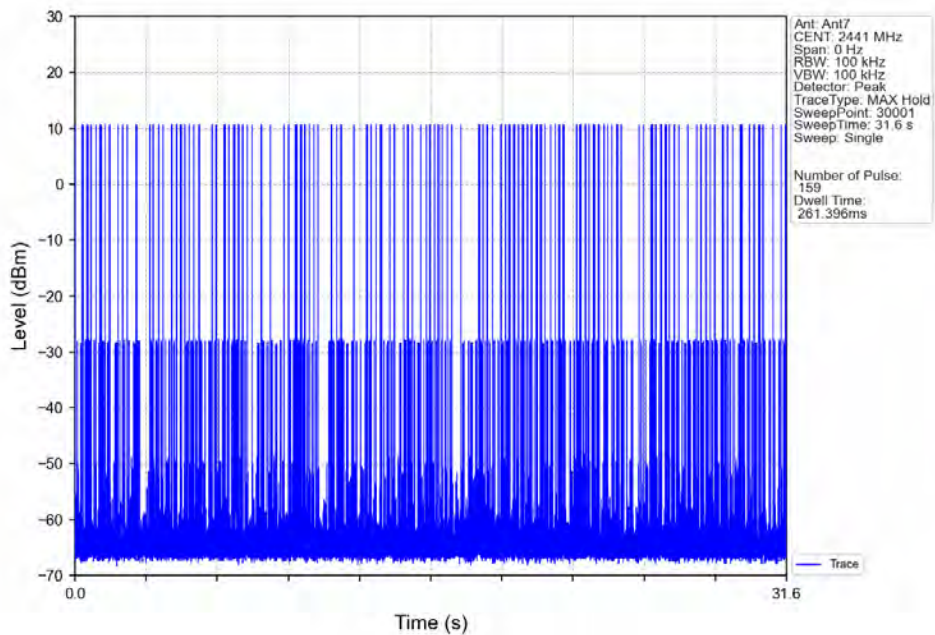
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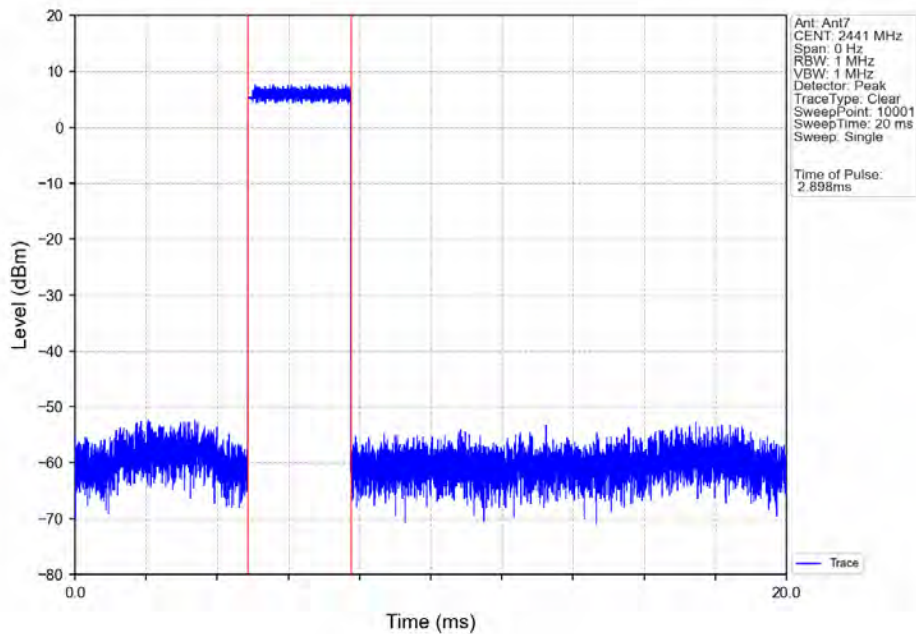
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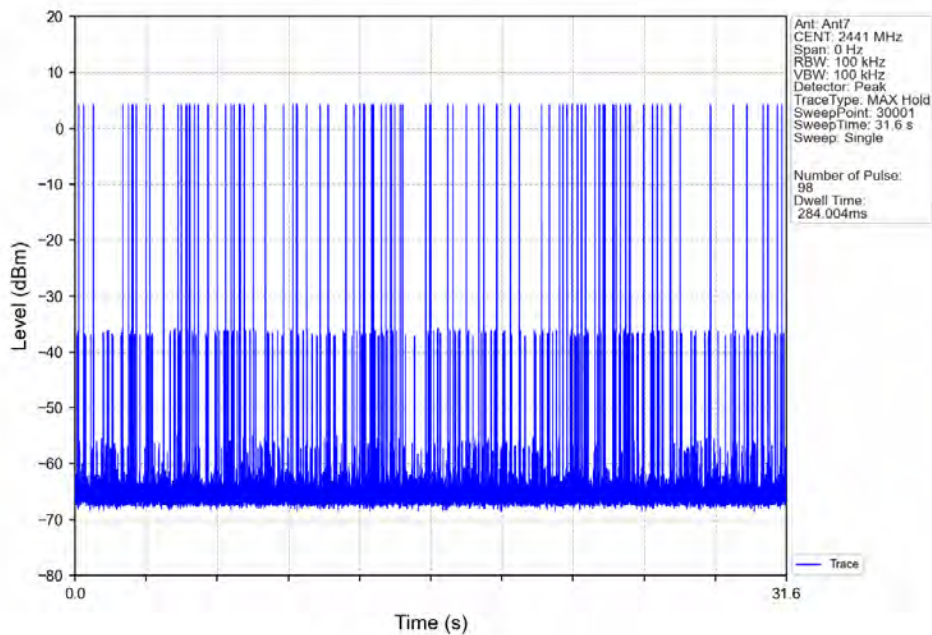
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8DPSK_3DH5_HOPP_Ant7_NTNV



8DPSK_3DH5_HOPP_Ant7_NTNV



18. Unwanted Emissions In Non-restricted Frequency Bands

18.1 Test Result

18.1.1 Ref

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	16	8.28
				7	11.92
		2441	DH5	16	9.77
				7	11.39
		2480	DH5	16	8.12
				7	12.18
Pi/4DQPSK	SISO	2402	2DH5	16	7.63
				7	6.40
		2441	2DH5	16	8.64
				7	5.84
		2480	2DH5	16	7.24
				7	4.91
8DPSK	SISO	2402	3DH5	16	7.83
				7	6.56
		2441	3DH5	16	8.53
				7	5.98
		2480	3DH5	16	7.34
				7	4.90

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.

18.1.2 CSE

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
GFSK	SISO	2402	DH5	16	9.77	-10.23	Pass
				7	12.18	-7.82	Pass
		2441	DH5	16	9.77	-10.23	Pass
				7	12.18	-7.82	Pass
		2480	DH5	16	9.77	-10.23	Pass
				7	12.18	-7.82	Pass
		HOPP	DH5	16	9.77	-10.23	Pass

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Report No.: SZCR240900349303

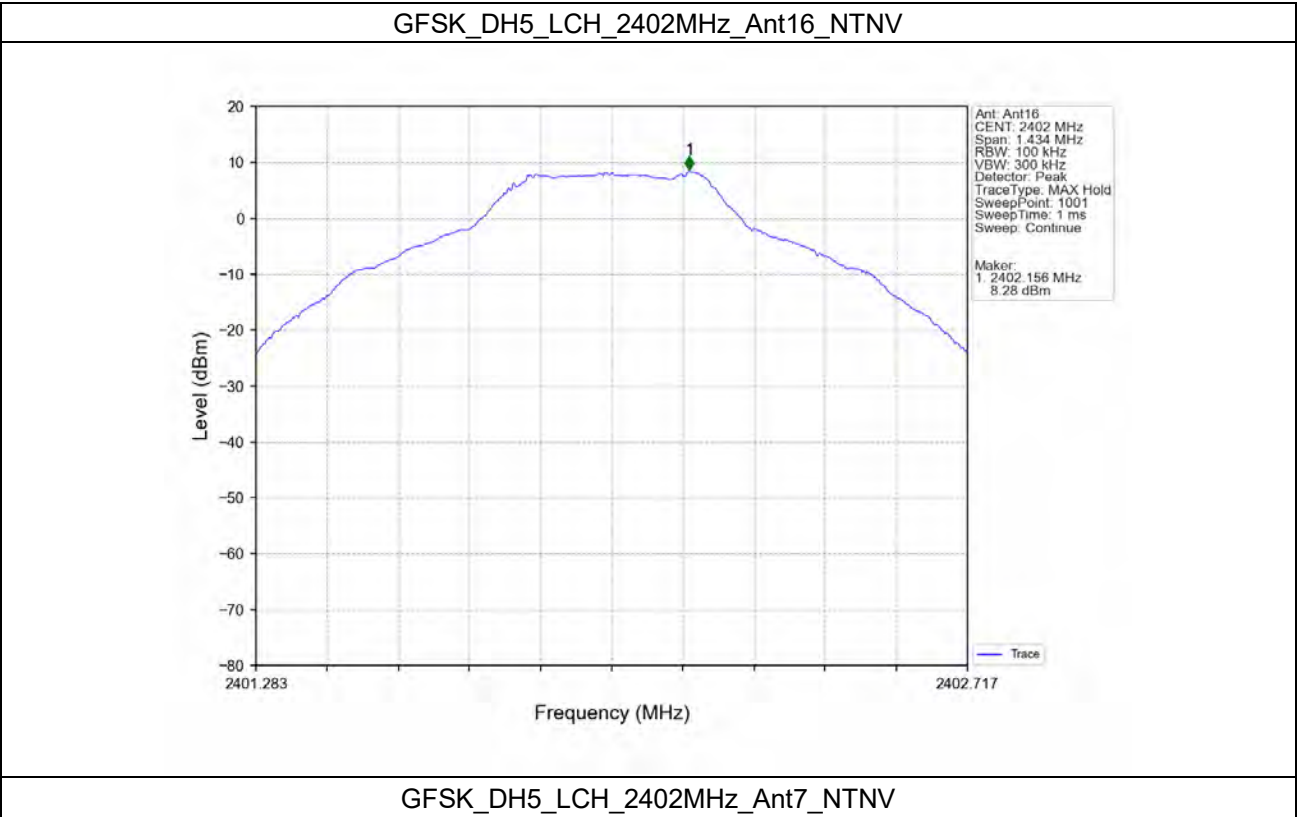
Page: 199 of 231

					9.77	-10.23	Pass
				7	12.18	-7.82	Pass
					12.18	-7.82	Pass
Pi/4DQPSK	SISO	2402	2DH5	16	8.64	-11.36	Pass
				7	6.40	-13.60	Pass
		2441	2DH5	16	8.64	-11.36	Pass
				7	6.40	-13.60	Pass
		2480	2DH5	16	8.64	-11.36	Pass
				7	6.40	-13.60	Pass
		HOPP	2DH5	16	8.64	-11.36	Pass
					8.64	-11.36	Pass
				7	6.40	-13.60	Pass
					6.40	-13.60	Pass
8DPSK	SISO	2402	3DH5	16	8.53	-11.47	Pass
				7	6.56	-13.44	Pass
		2441	3DH5	16	8.53	-11.47	Pass
				7	6.56	-13.44	Pass
		2480	3DH5	16	8.53	-11.47	Pass
				7	6.56	-13.44	Pass
		HOPP	3DH5	16	8.53	-11.47	Pass
					8.53	-11.47	Pass
				7	6.56	-13.44	Pass
					6.56	-13.44	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.

18.2 Test Graph

18.2.1 Ref

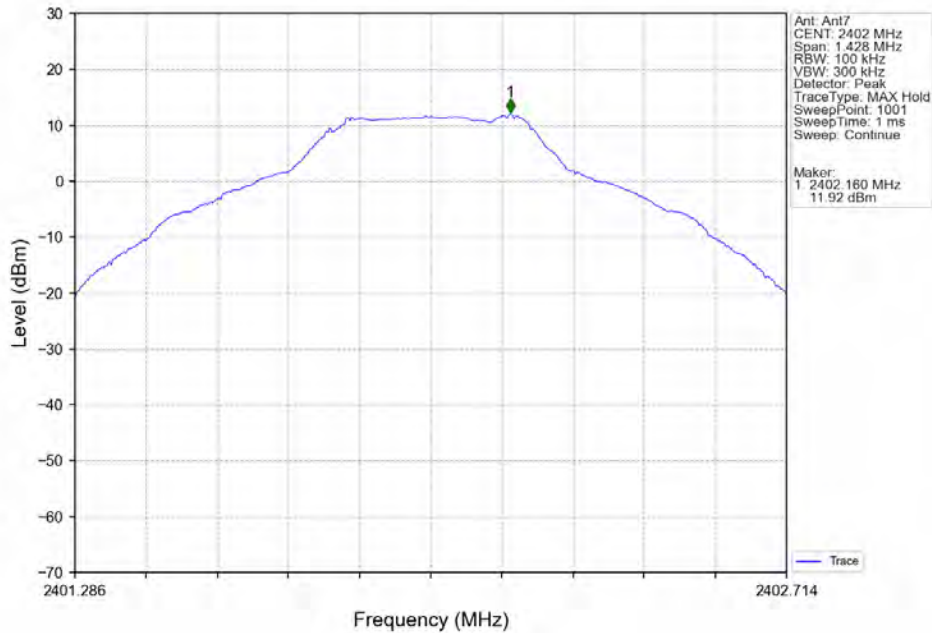


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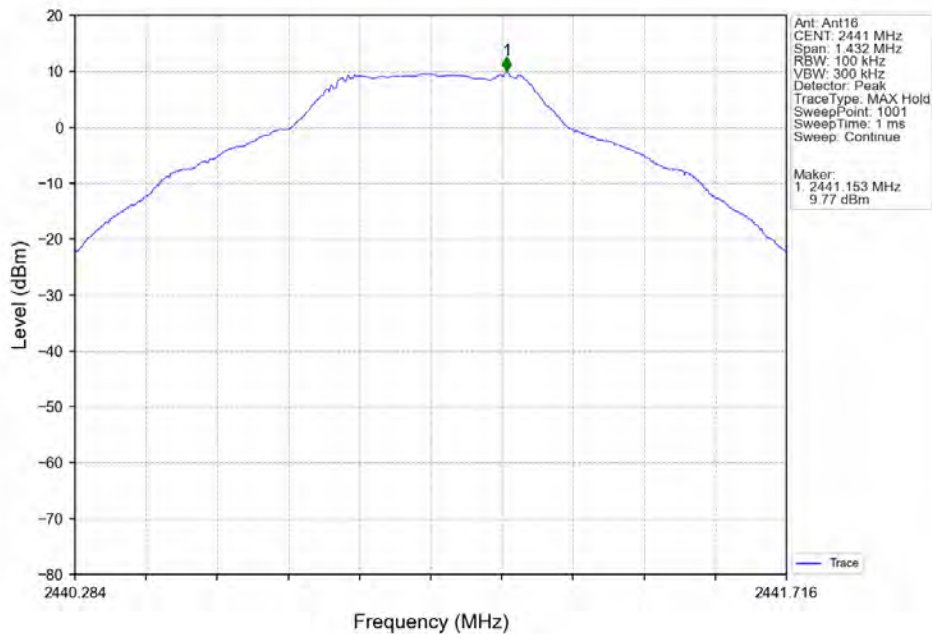
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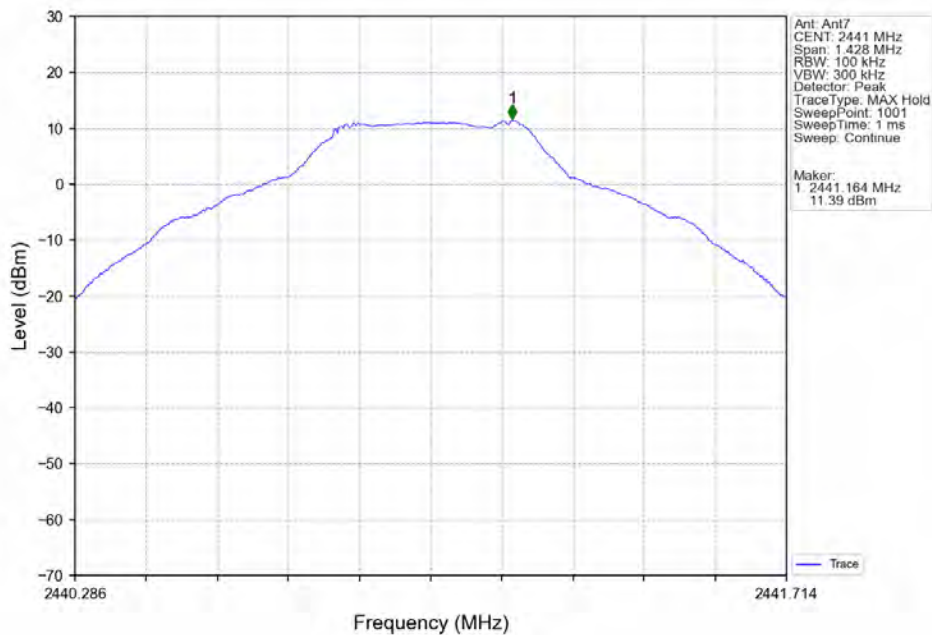
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GFSK_DH5_MCH_2441MHz_Ant7_NTNV



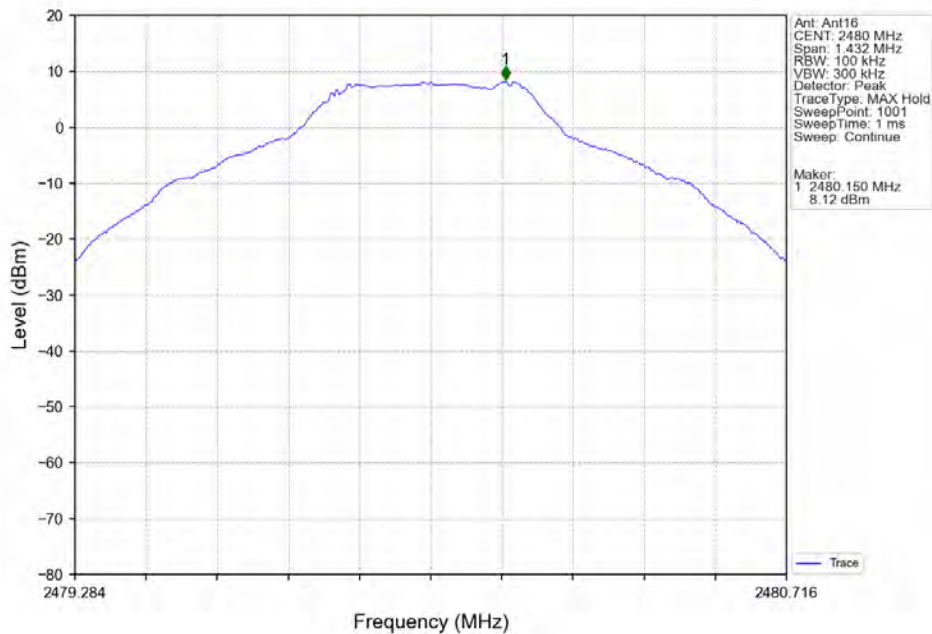
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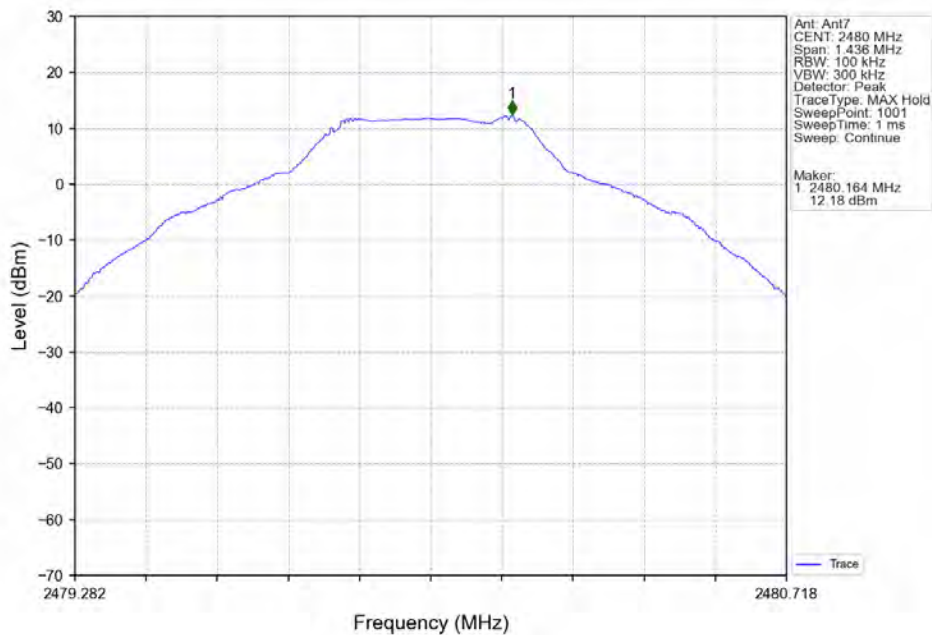
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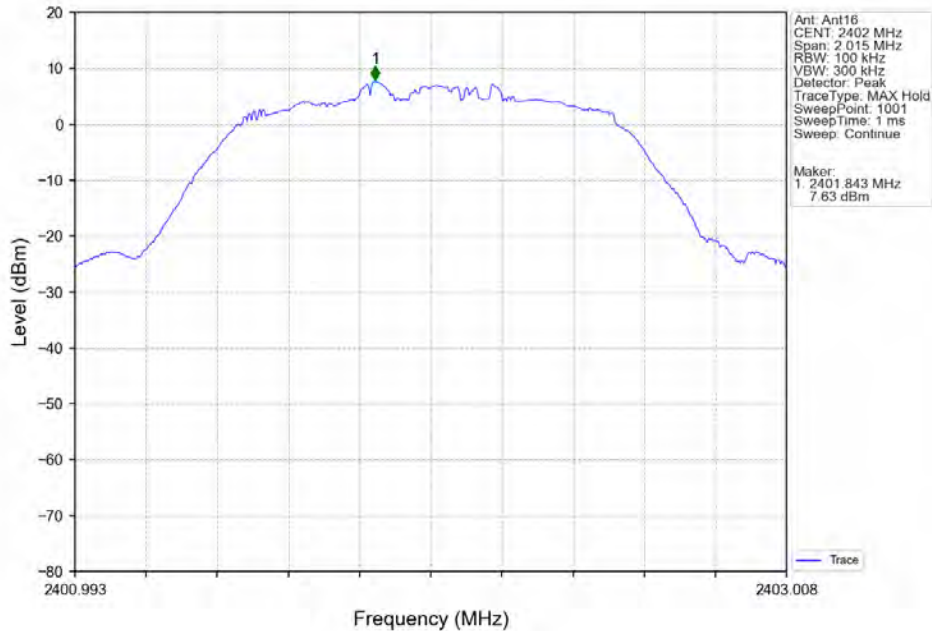
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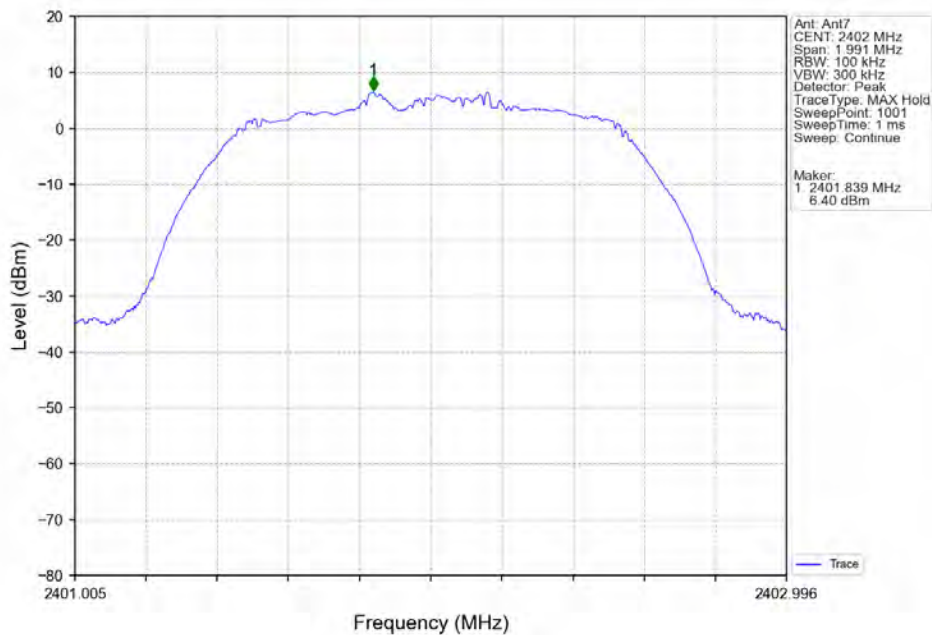
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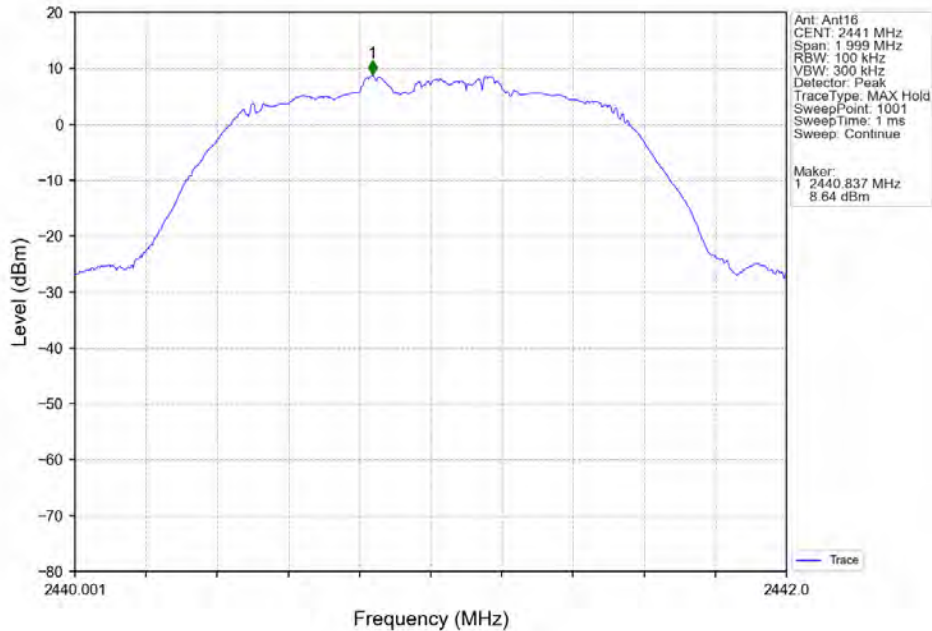
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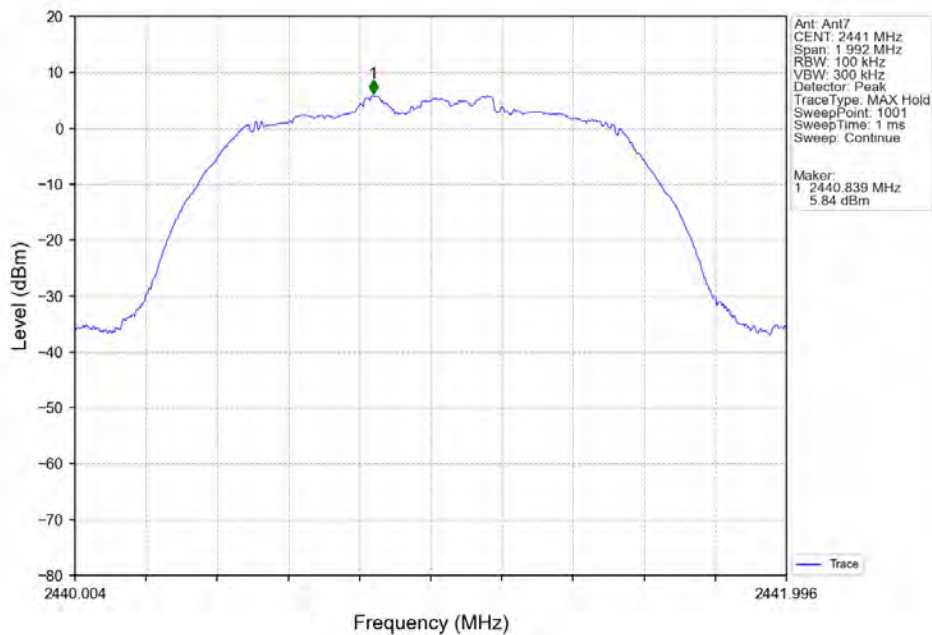
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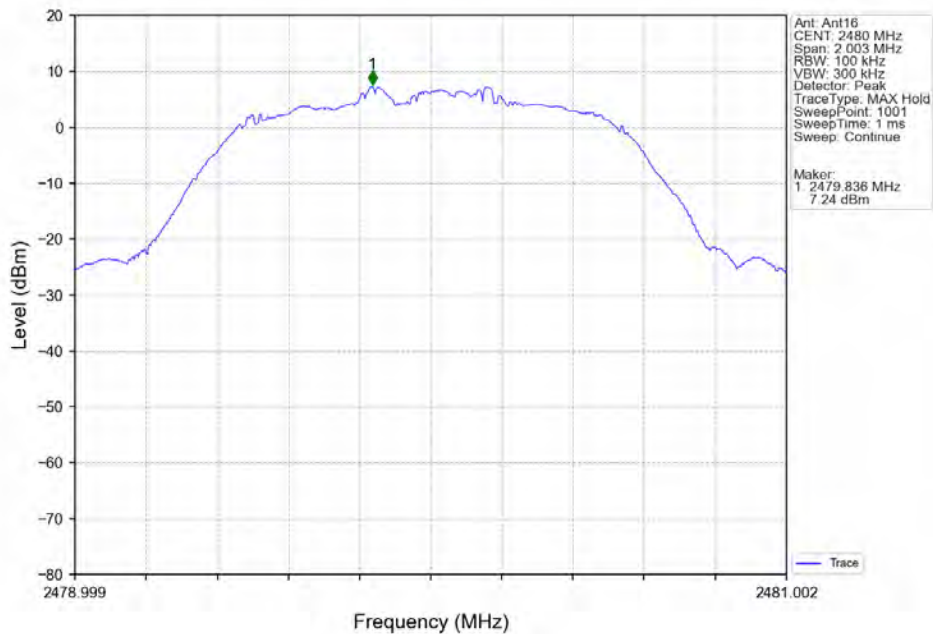
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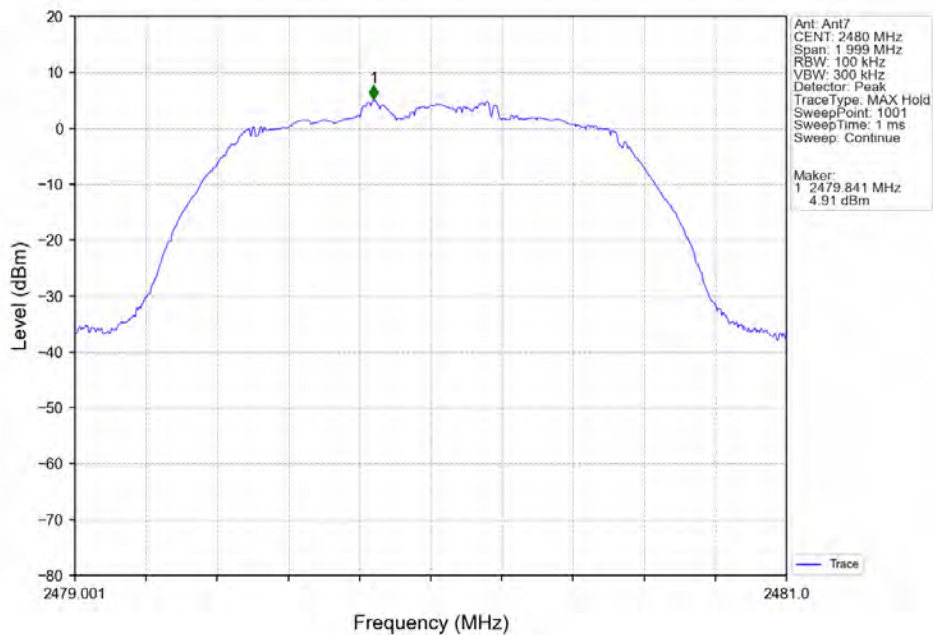
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Pi/4DQPSK_2DH5_HCH_2480MHz_Ant7_NTNV



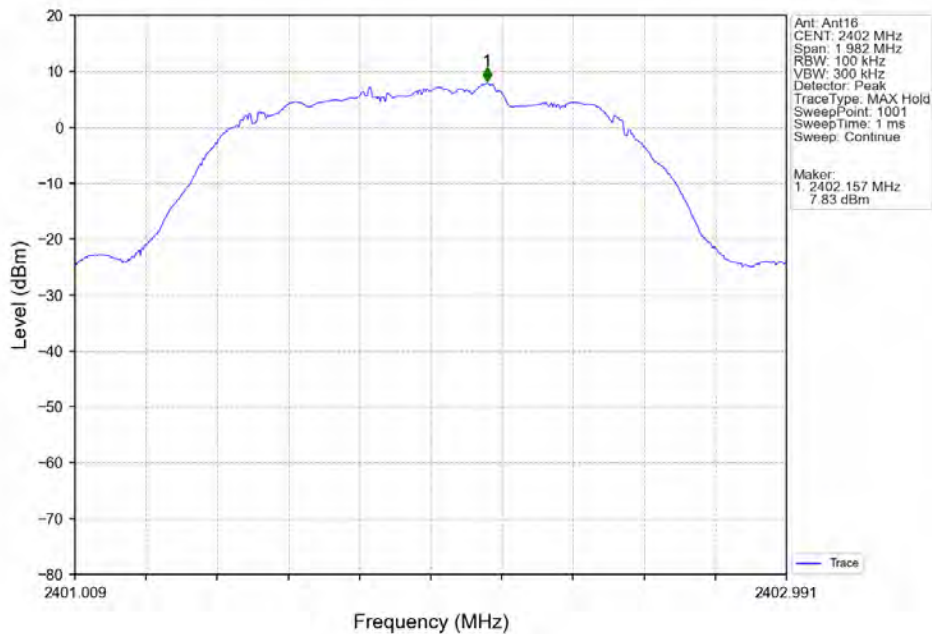
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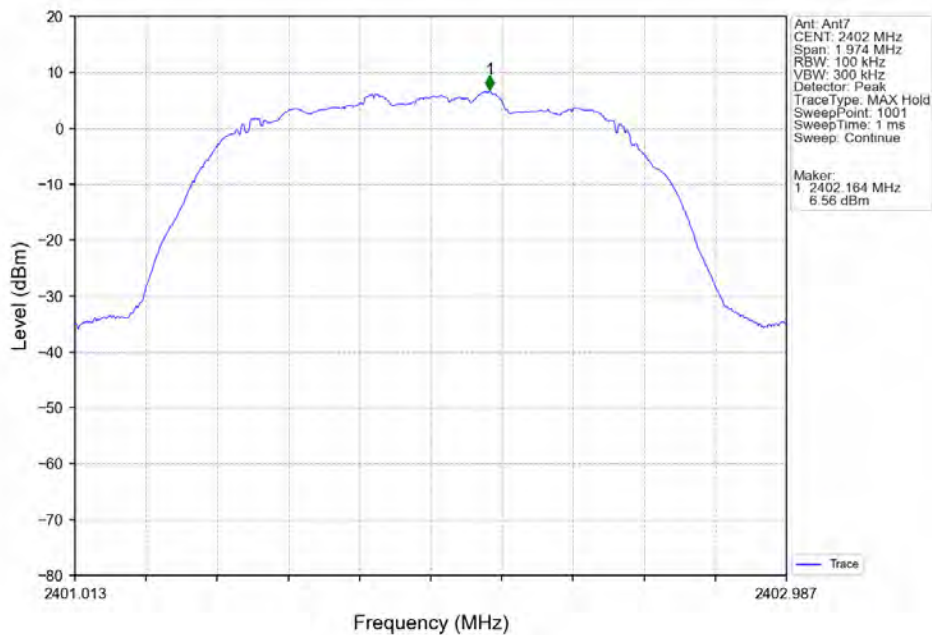
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8DPSK_3DH5_LCH_2402MHz_Ant16_NTNV



8DPSK_3DH5_LCH_2402MHz_Ant7_NTNV



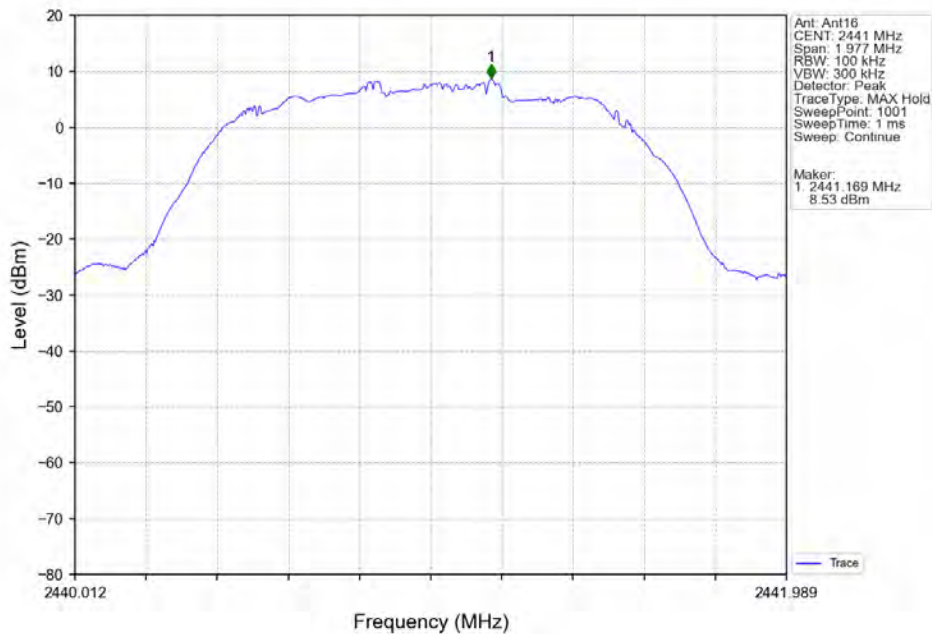
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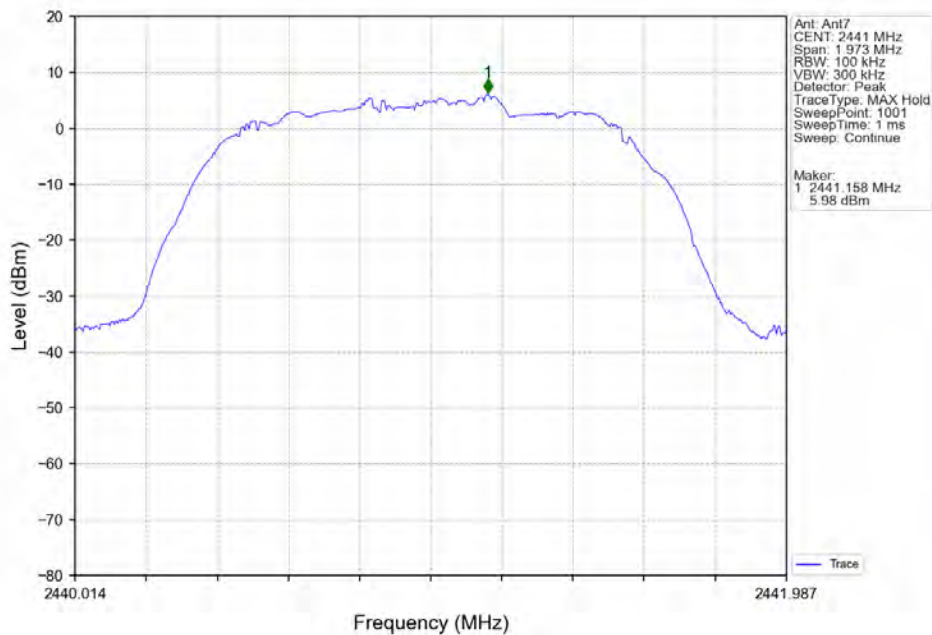
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8DPSK_3DH5_MCH_2441MHz_Ant16_NTNV



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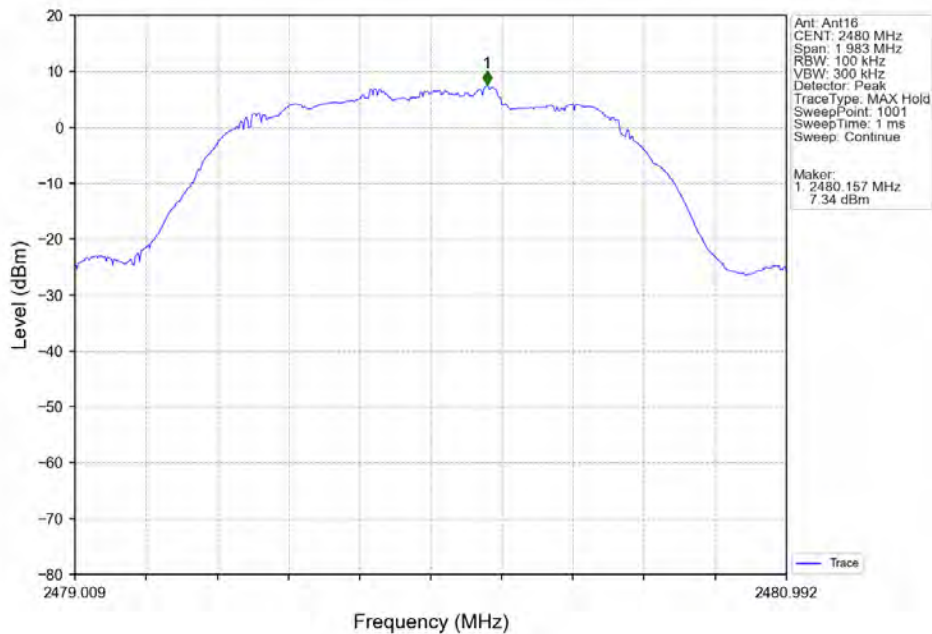
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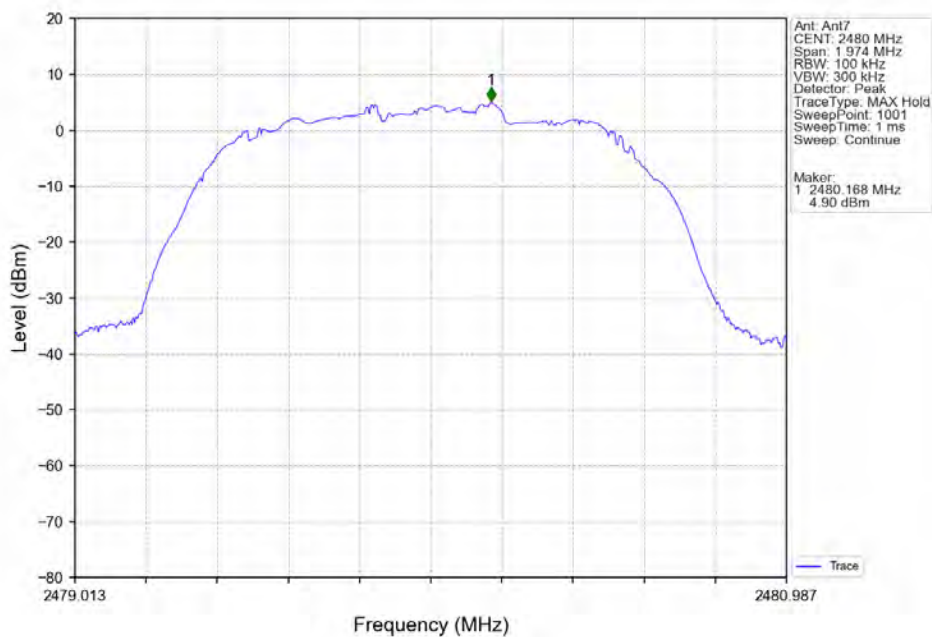
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8DPSK_3DH5_HCH_2480MHz_Ant16_NTNV



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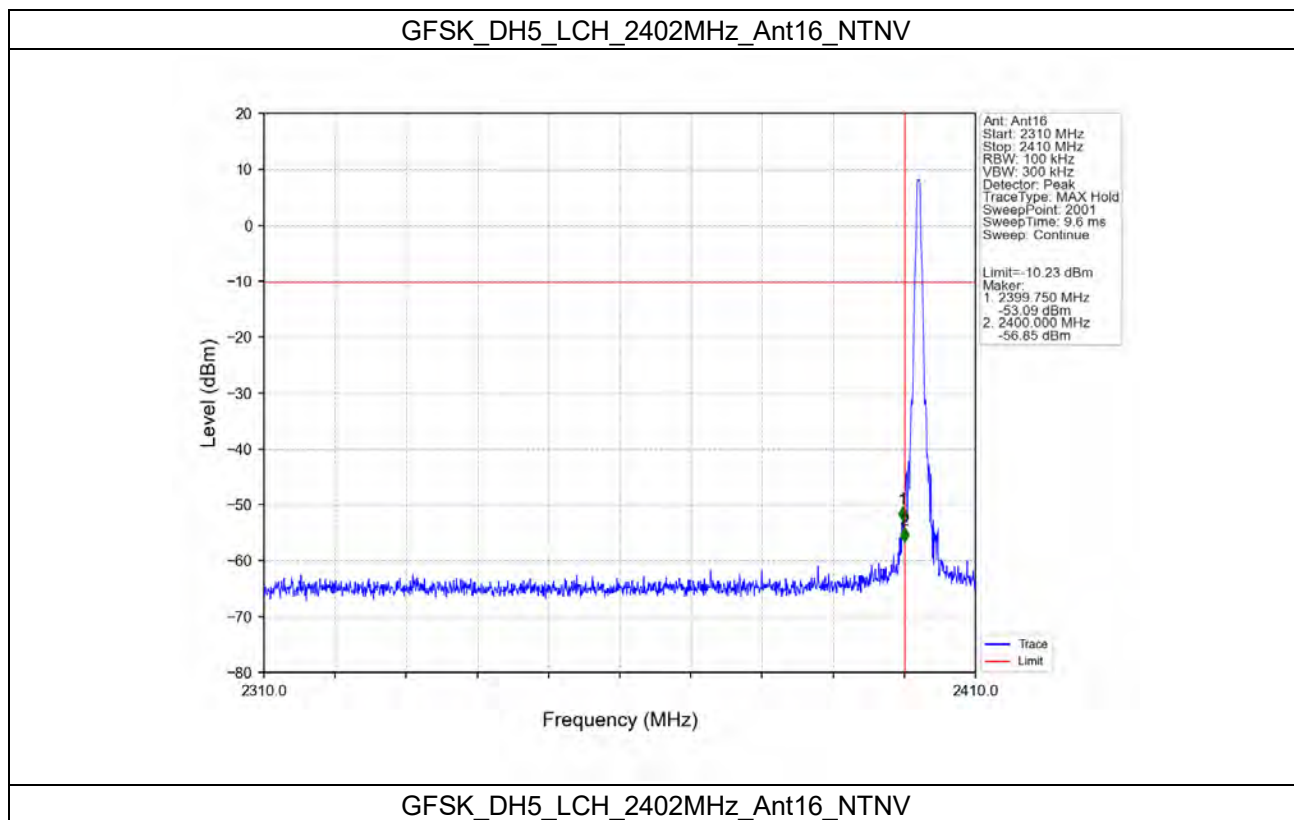
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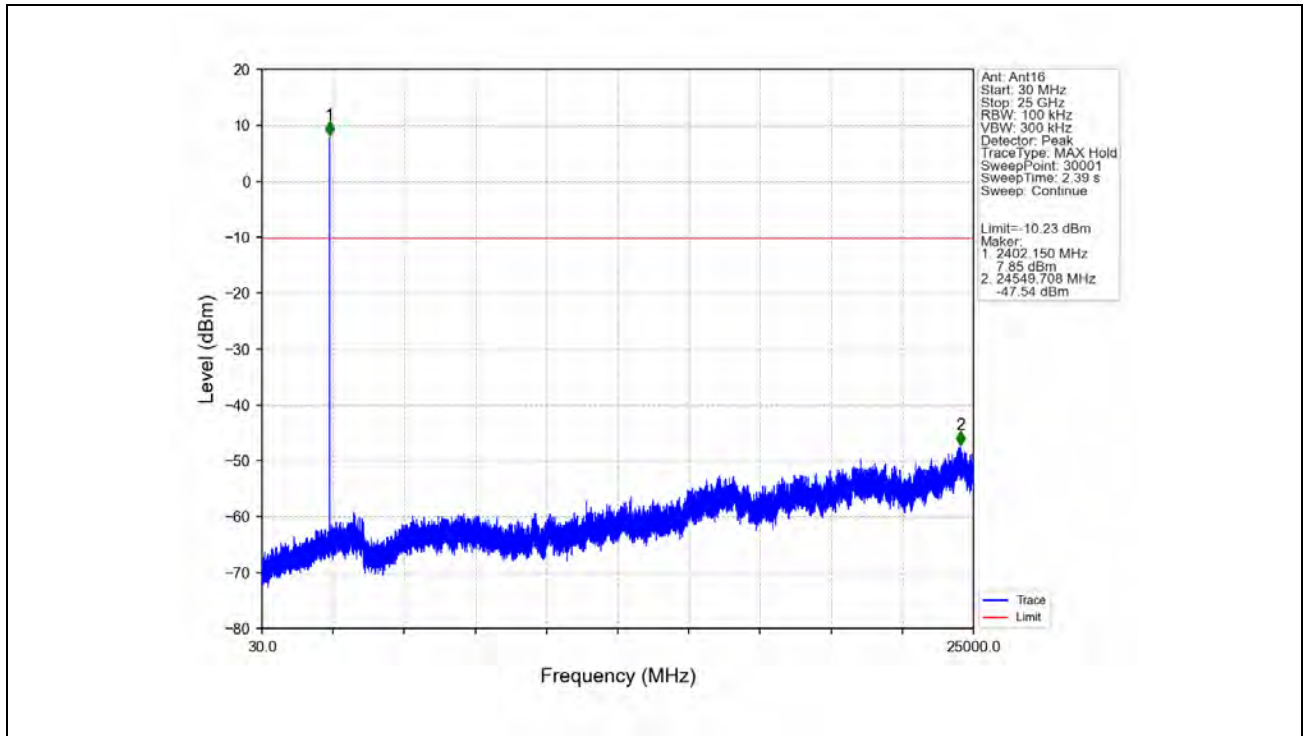
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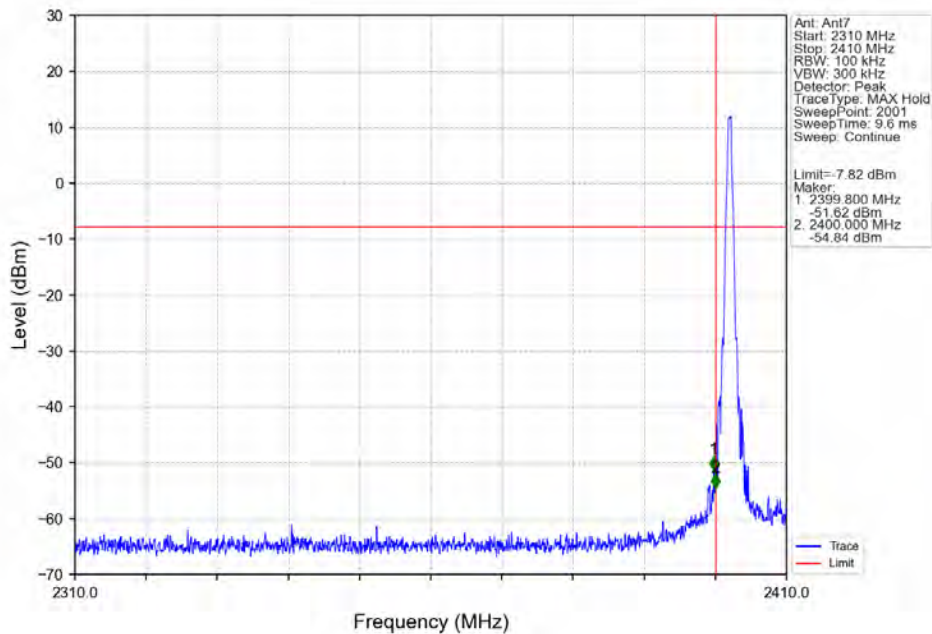
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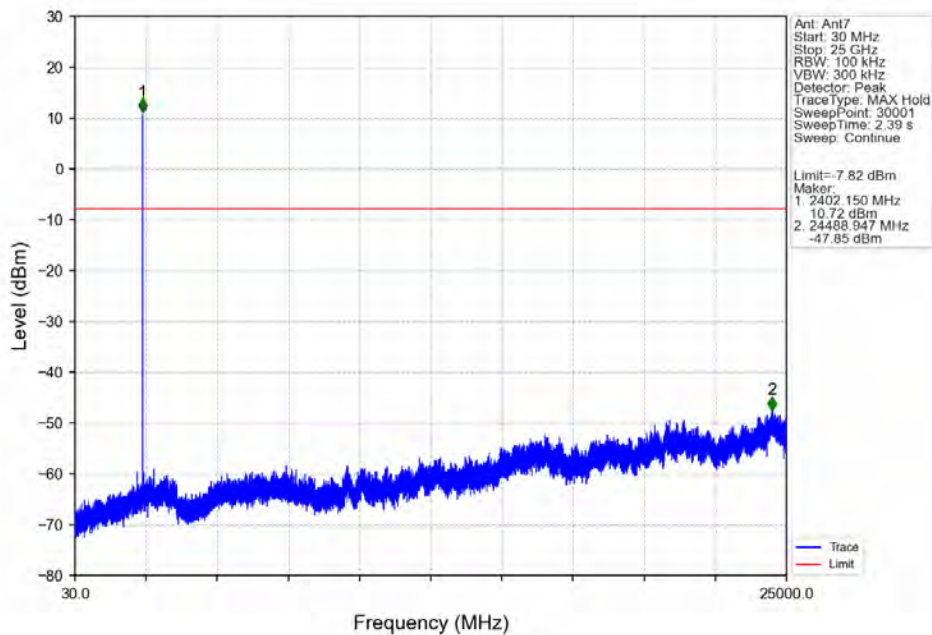




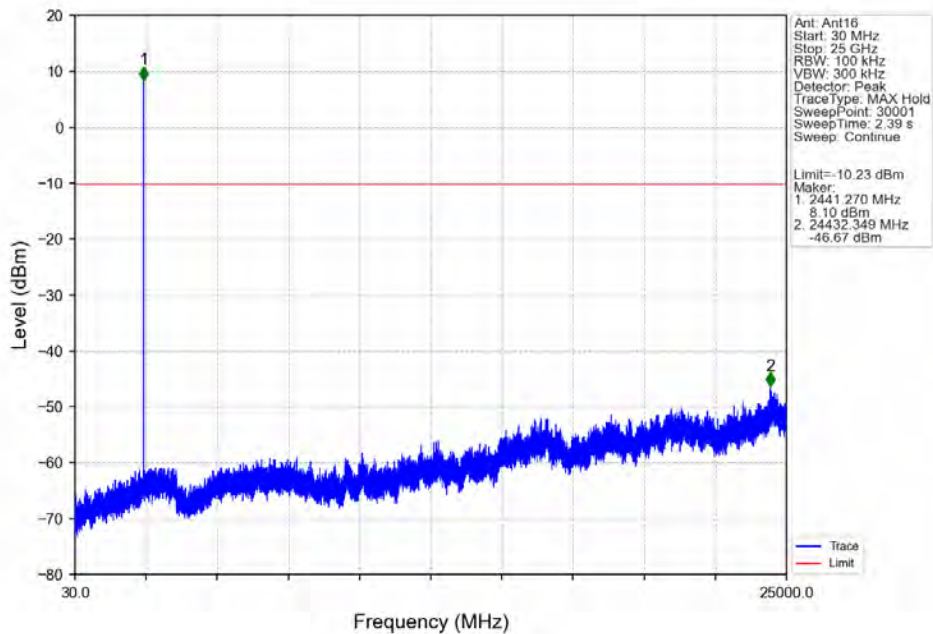
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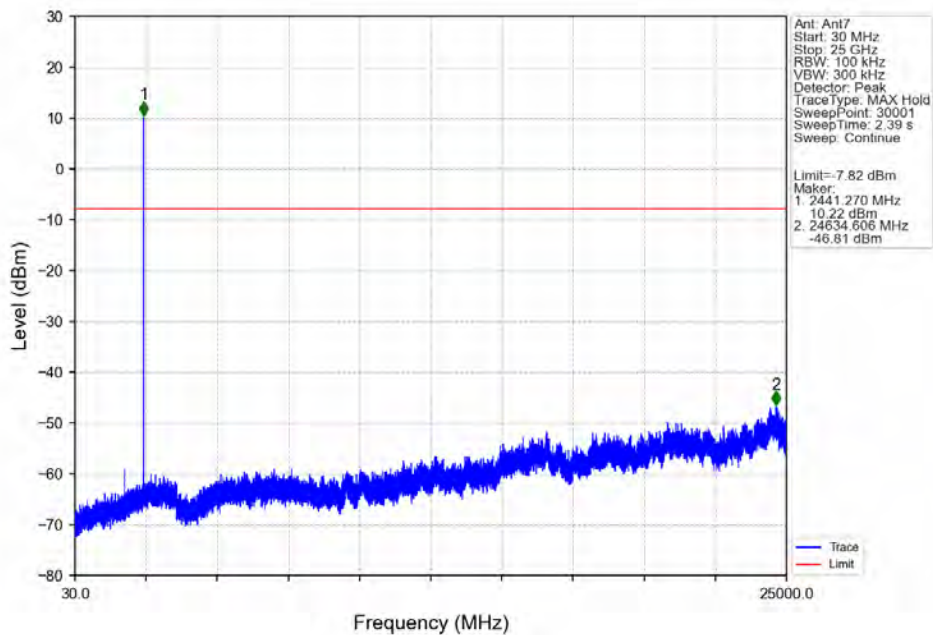
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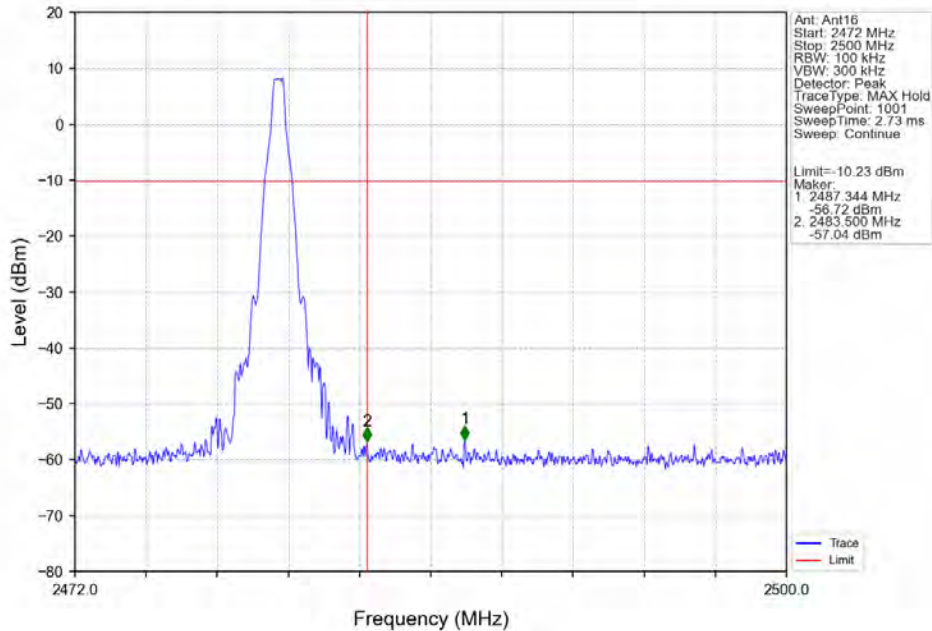
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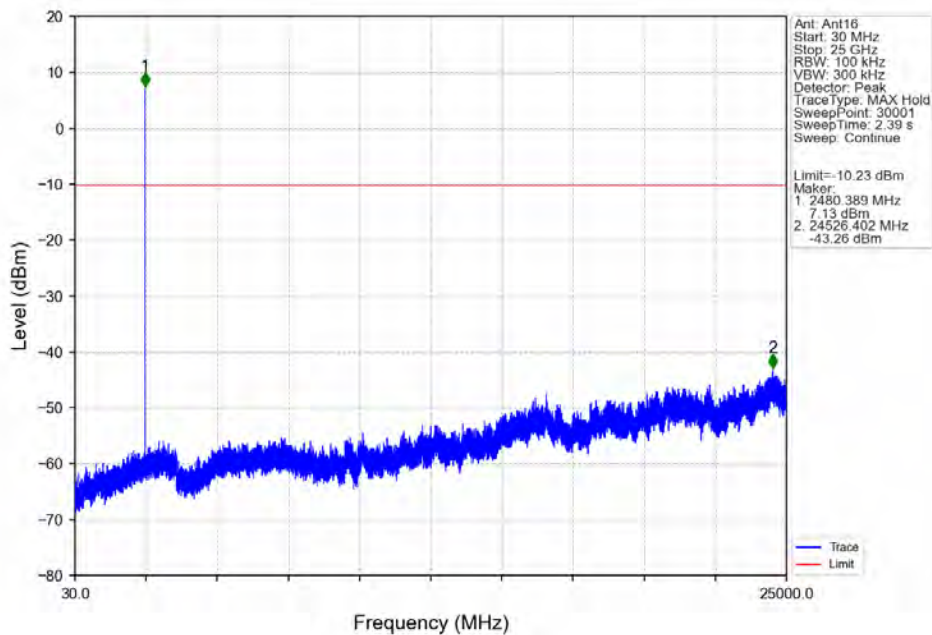
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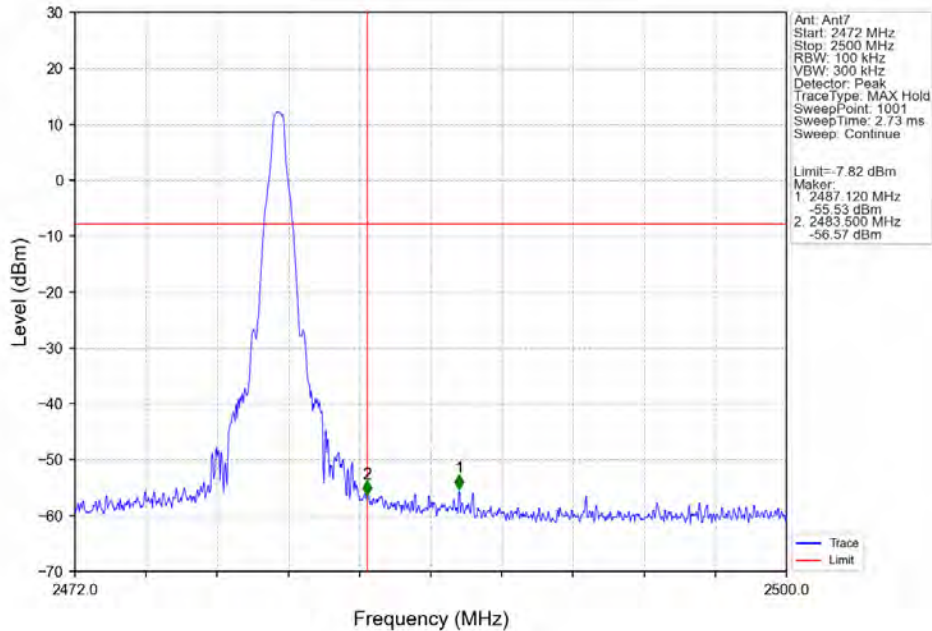
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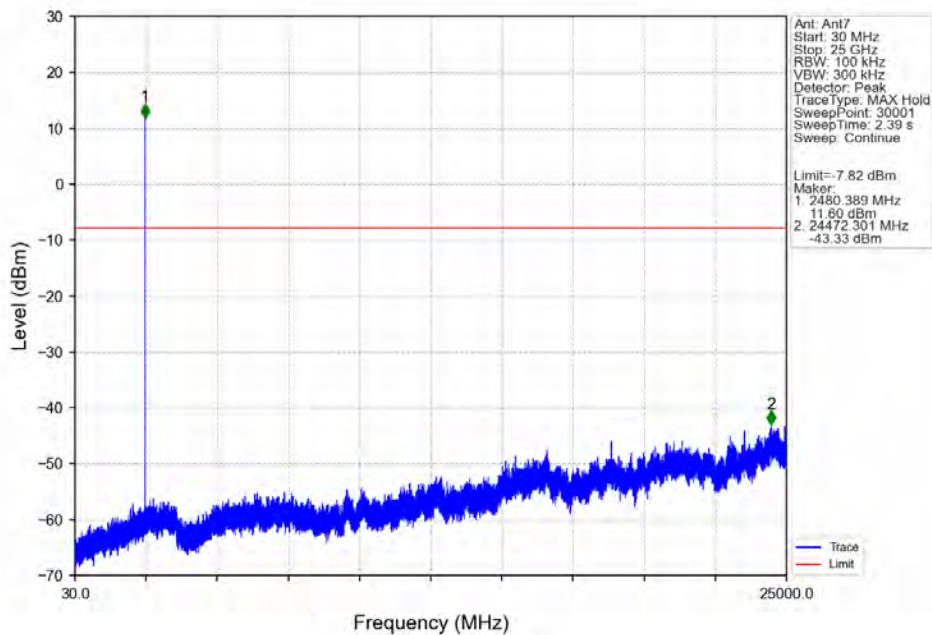
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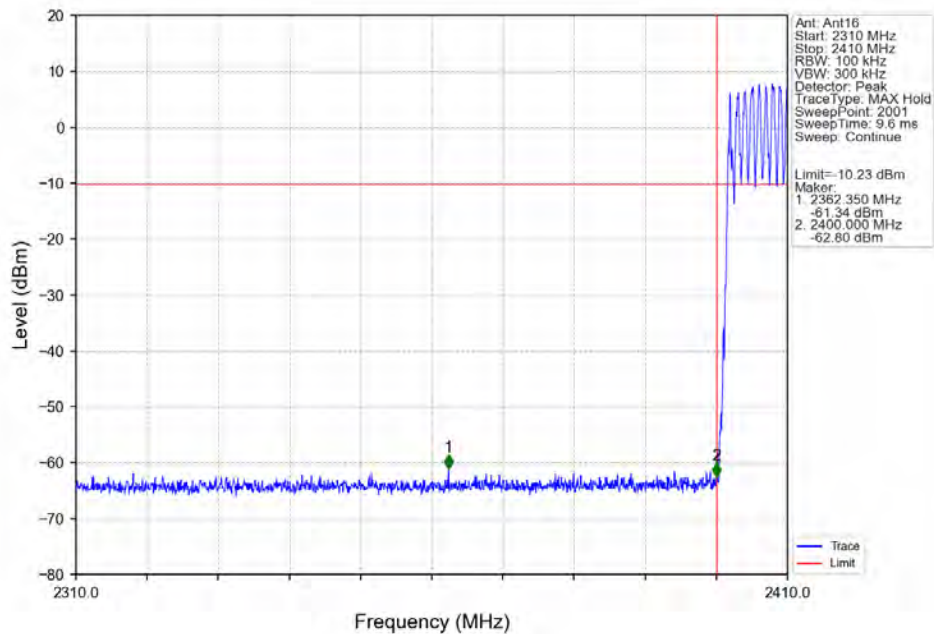
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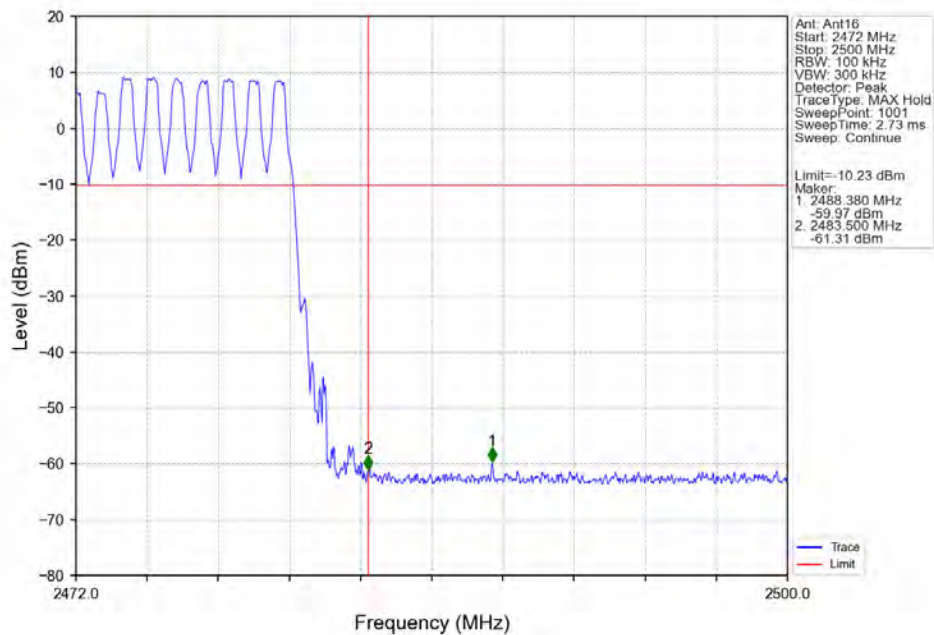
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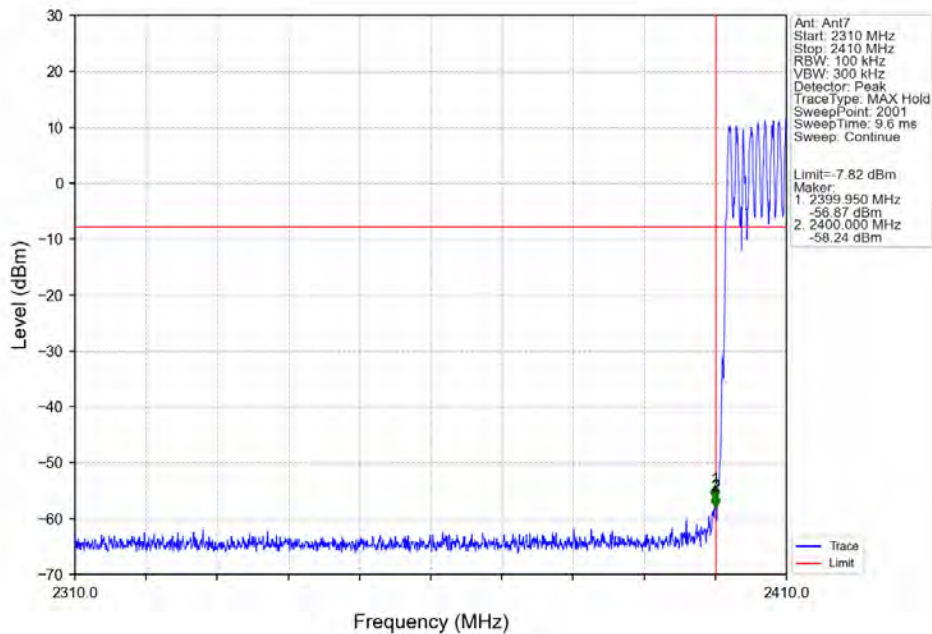
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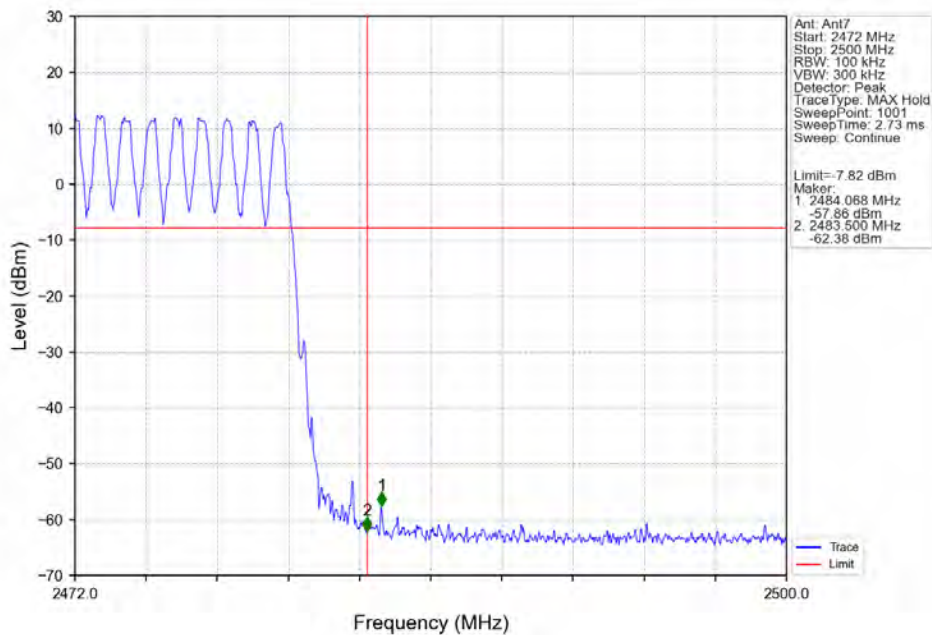
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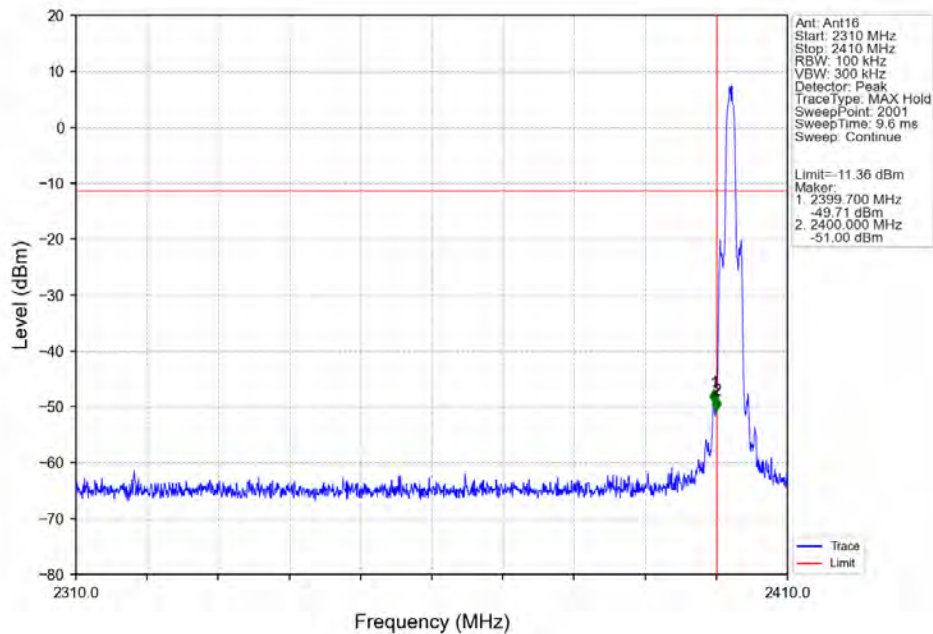
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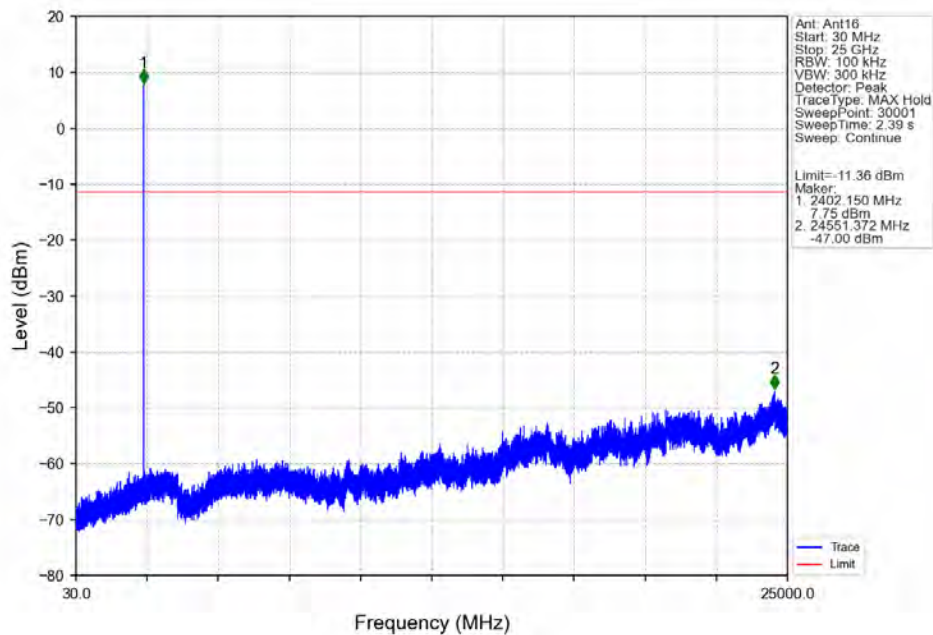
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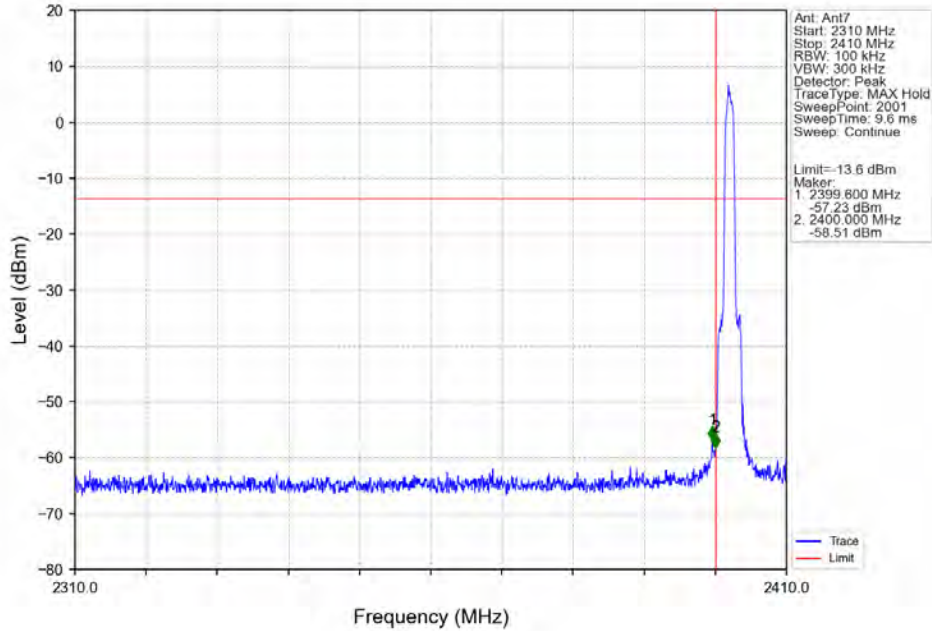
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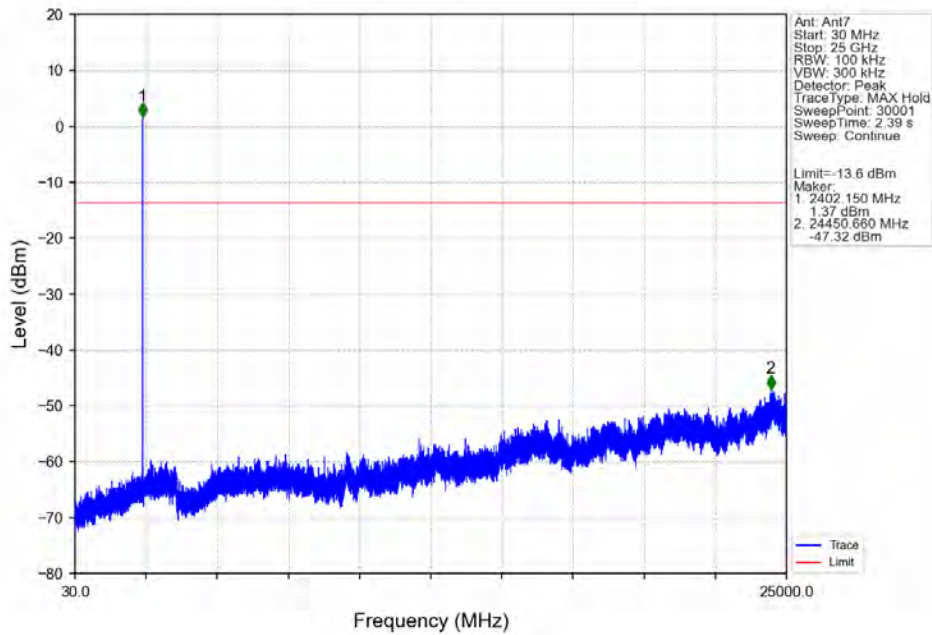
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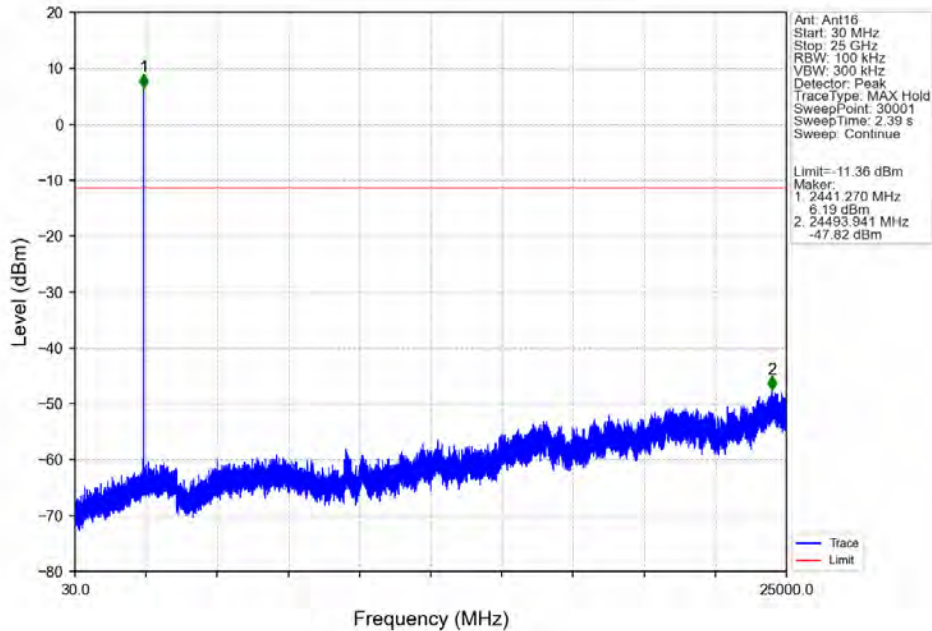
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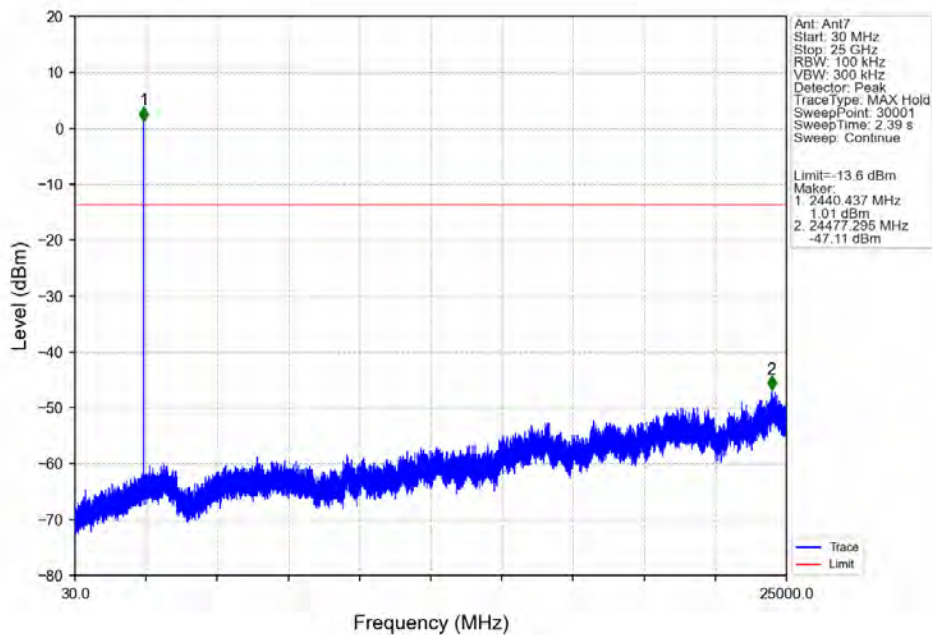
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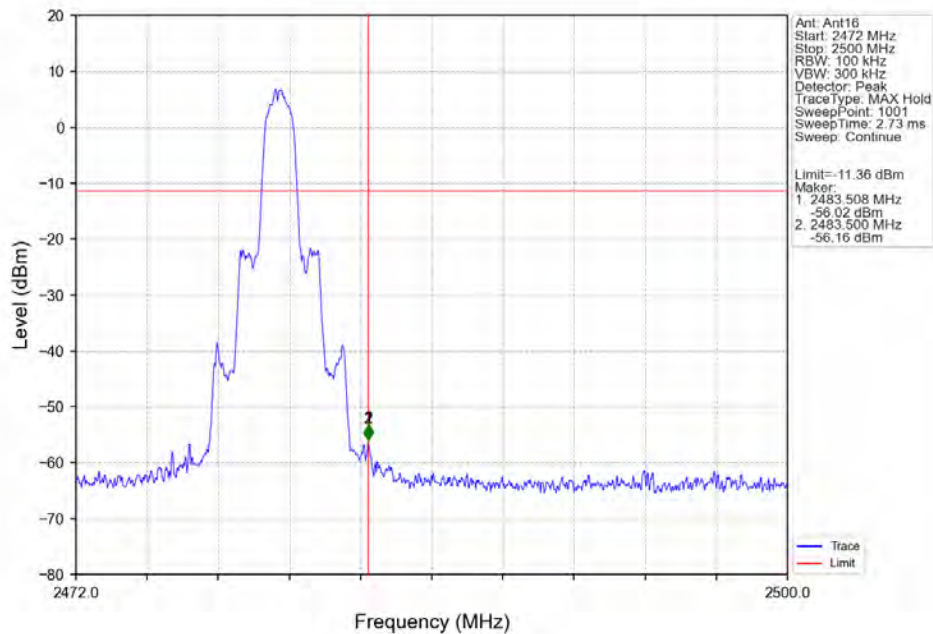
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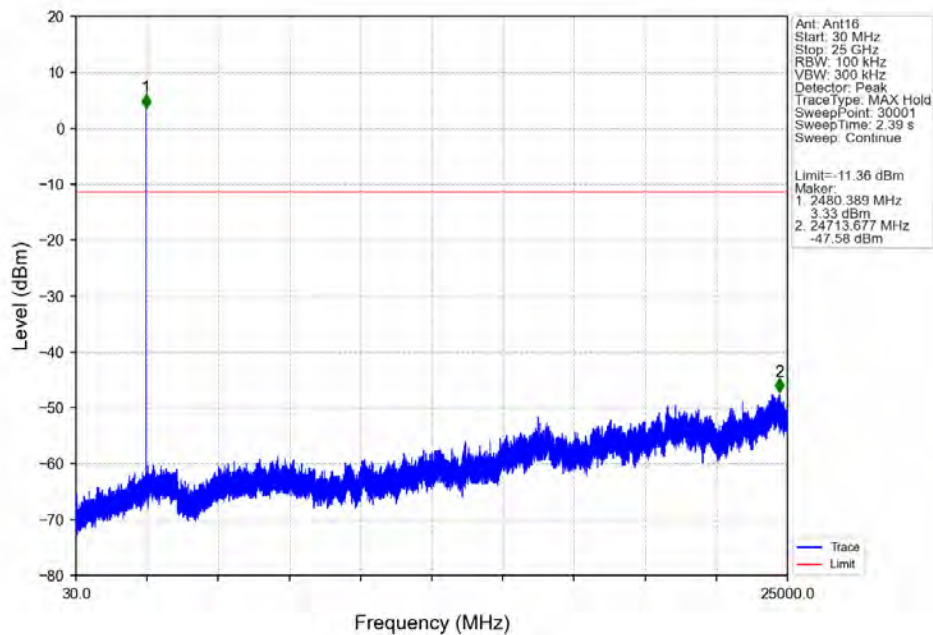
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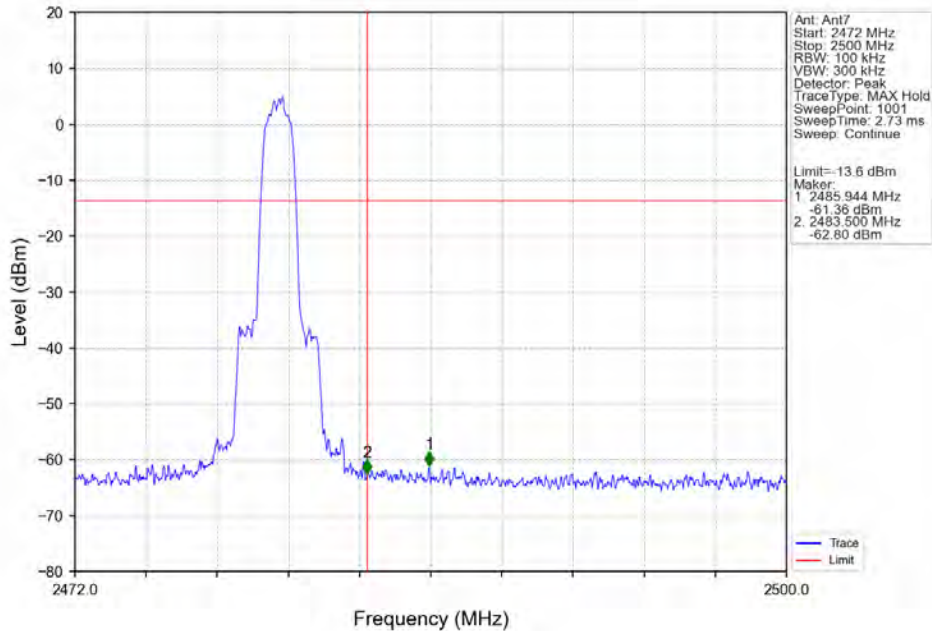
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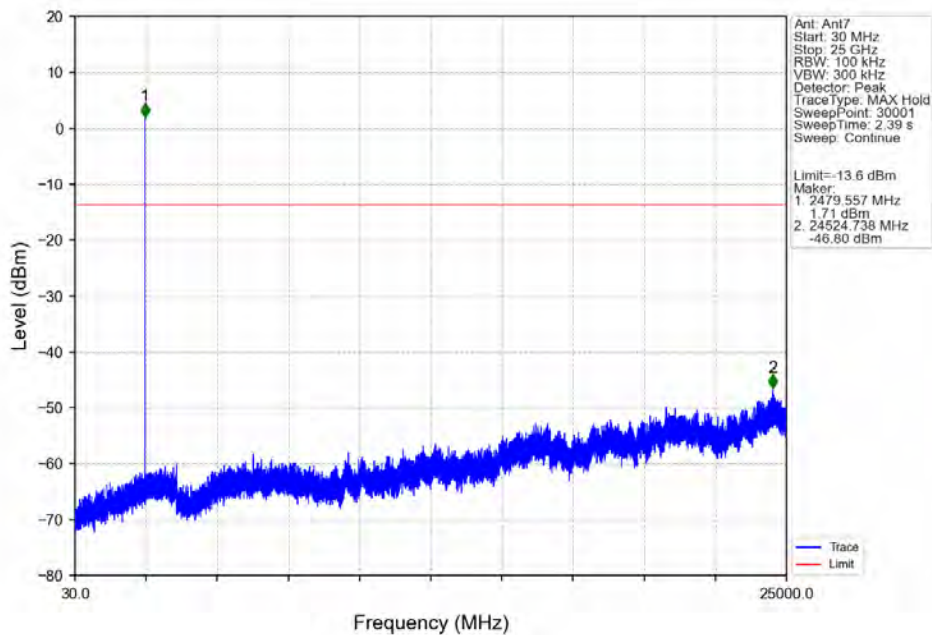
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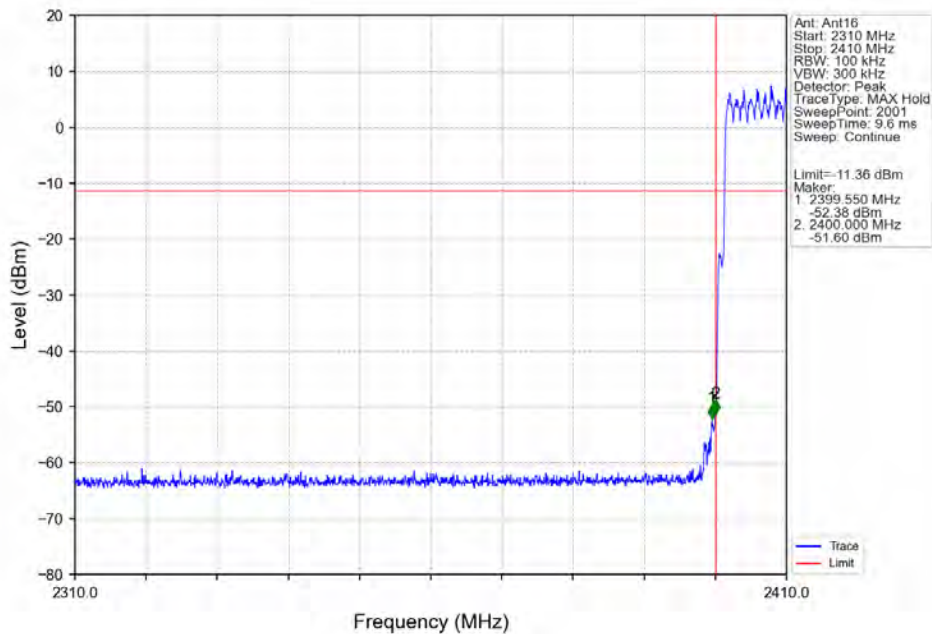
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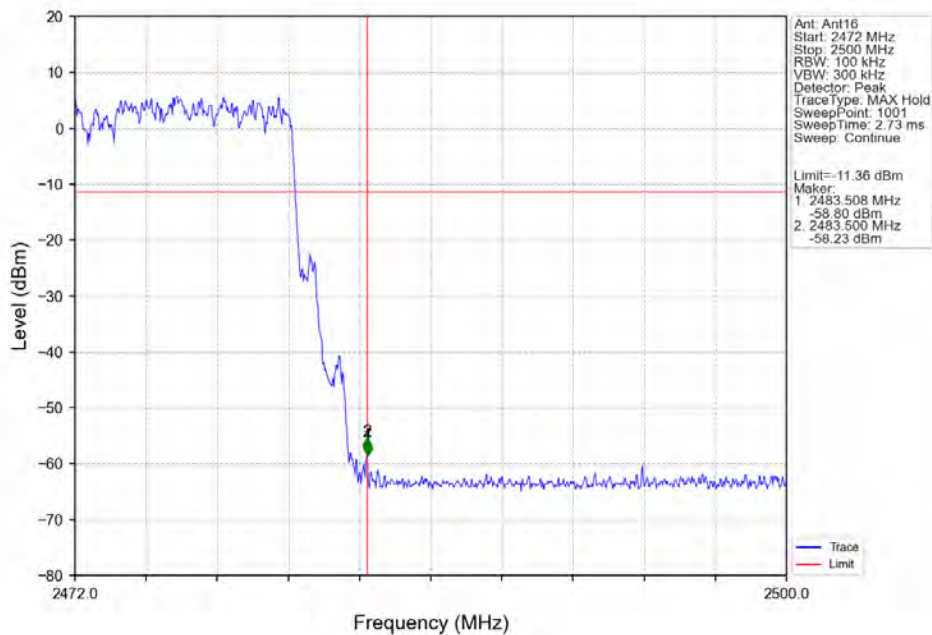
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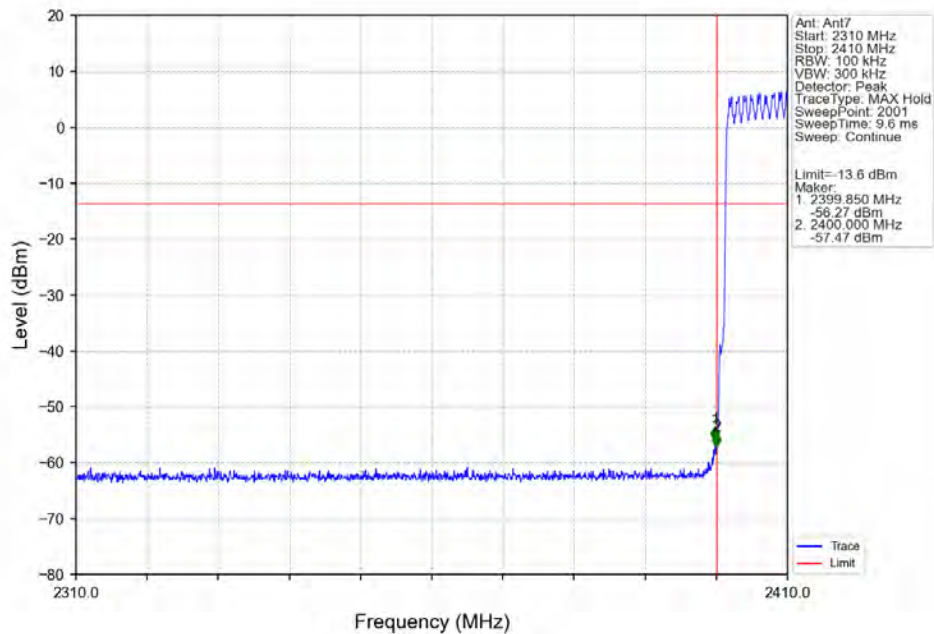
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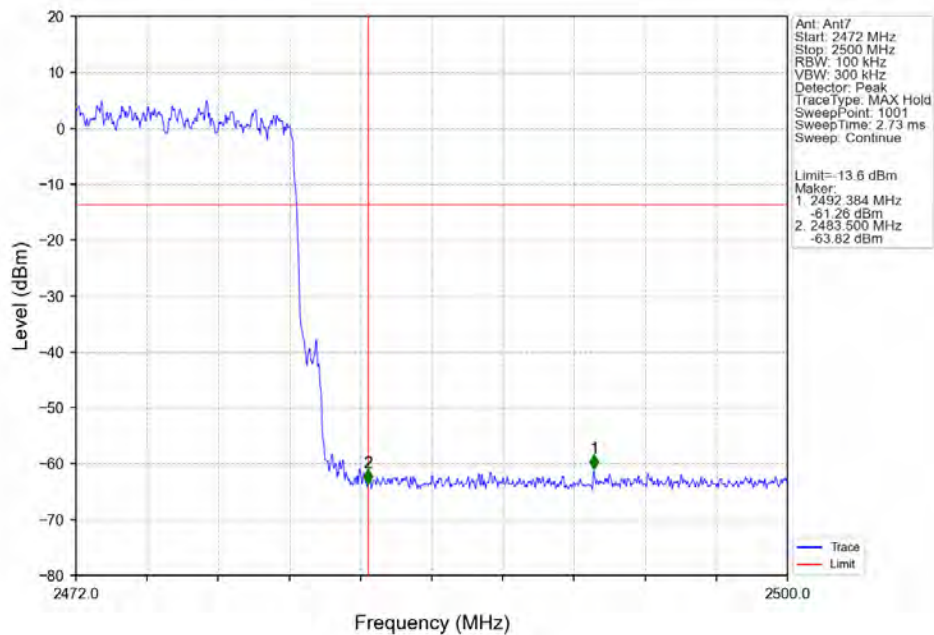
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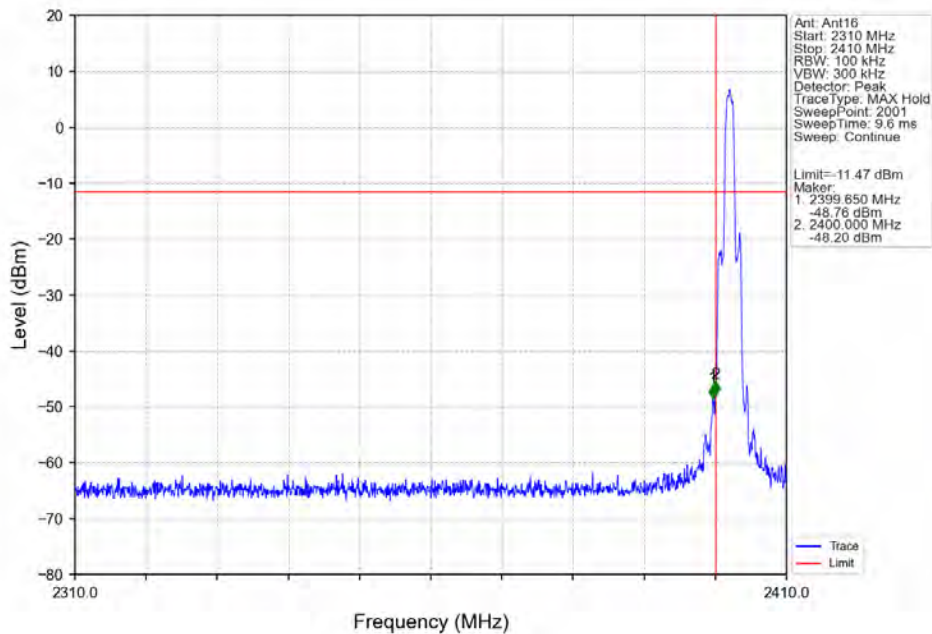
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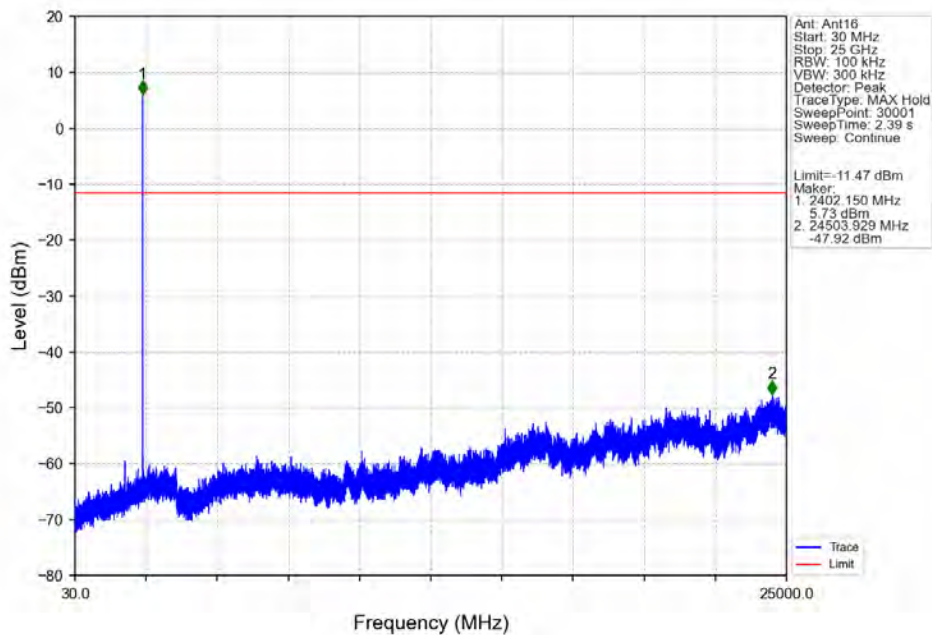
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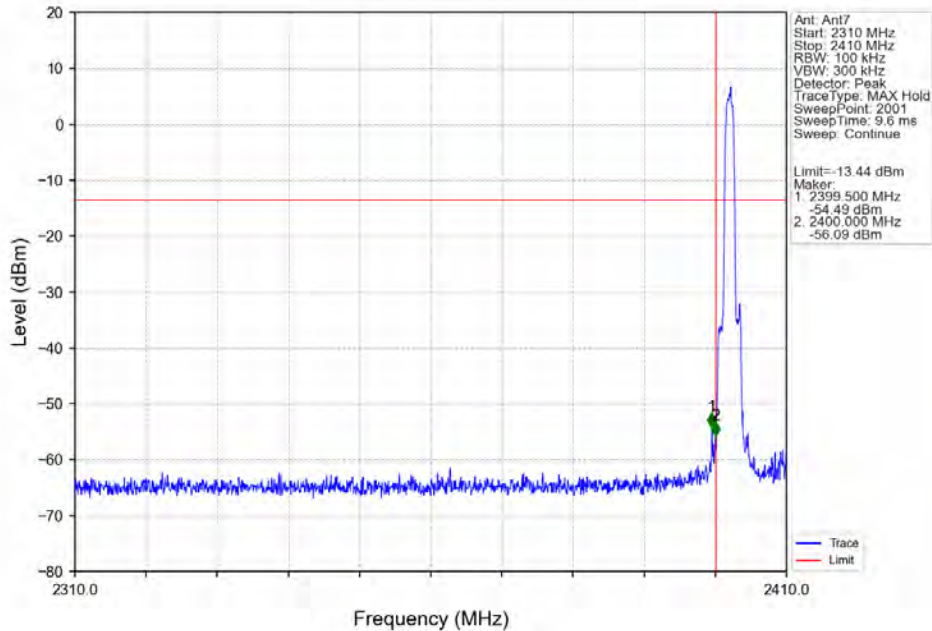
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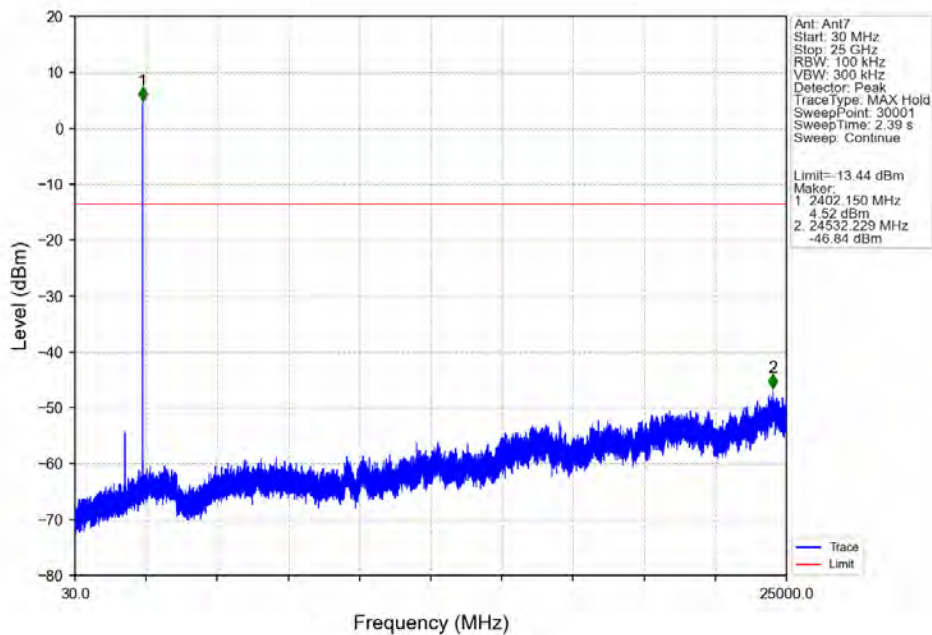
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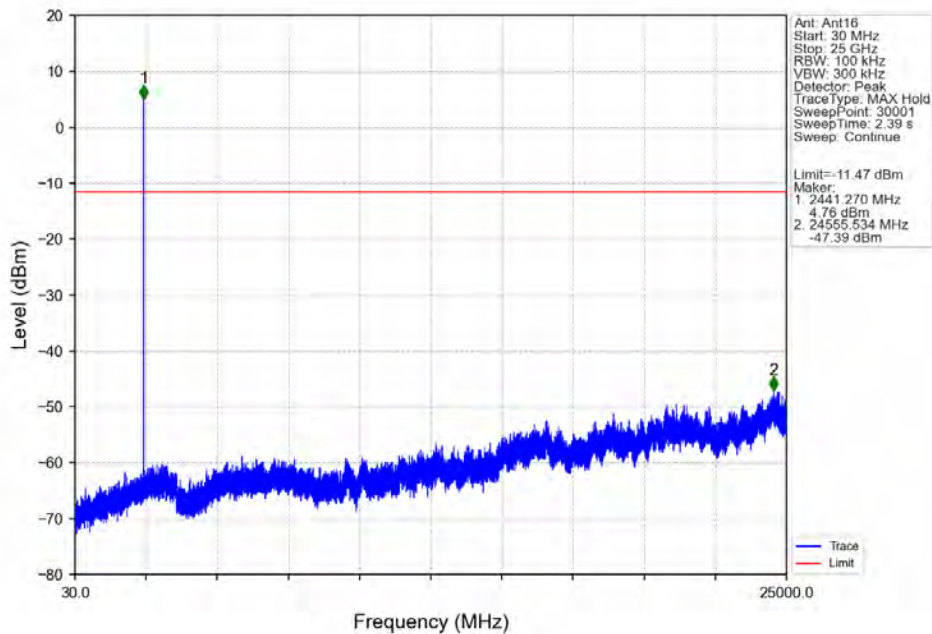
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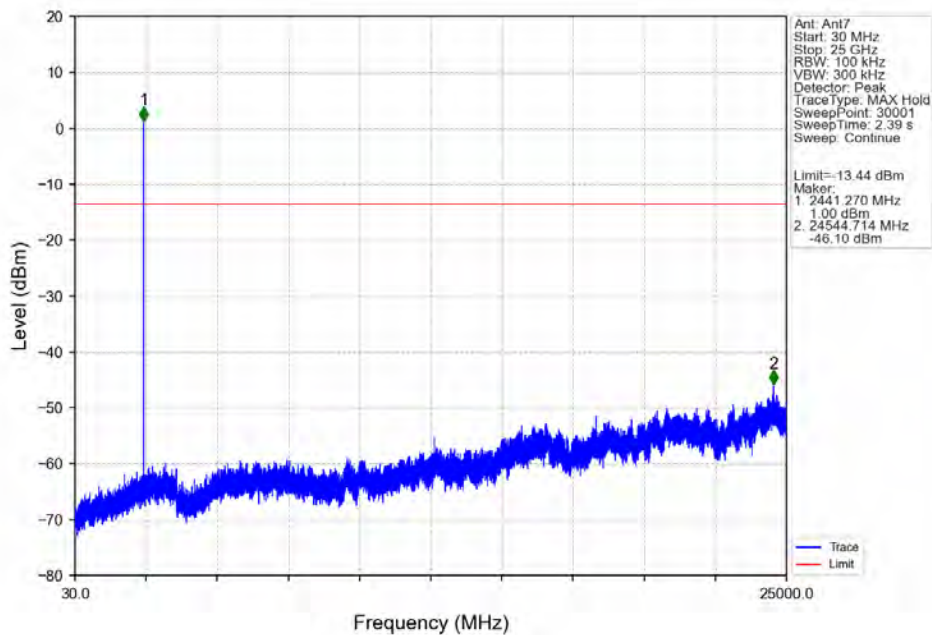
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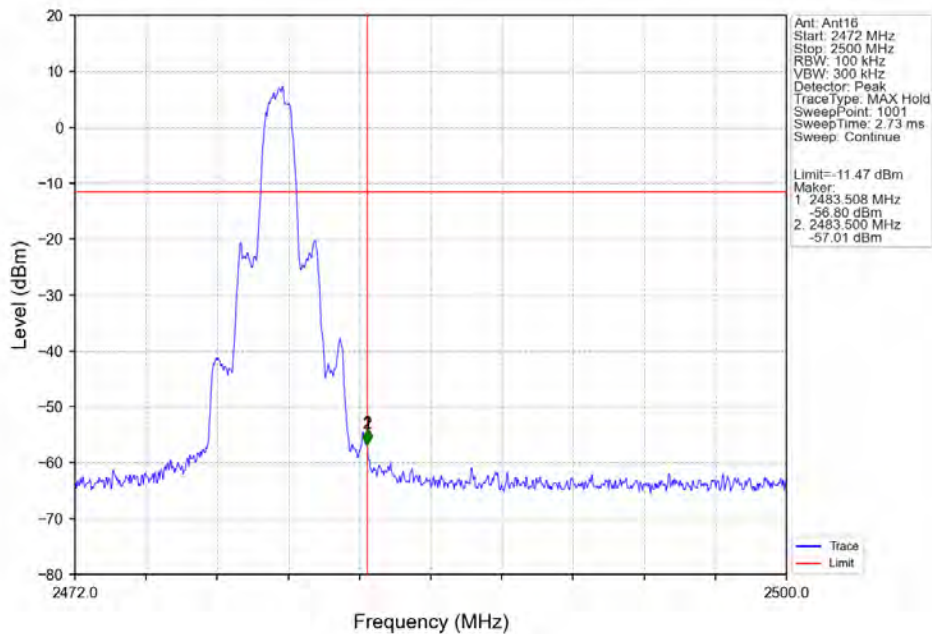
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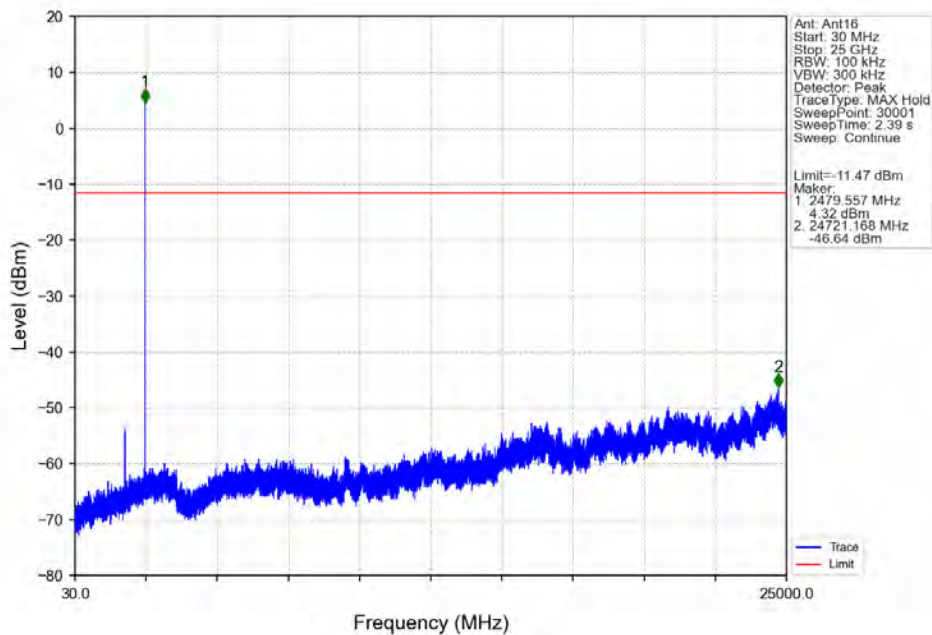
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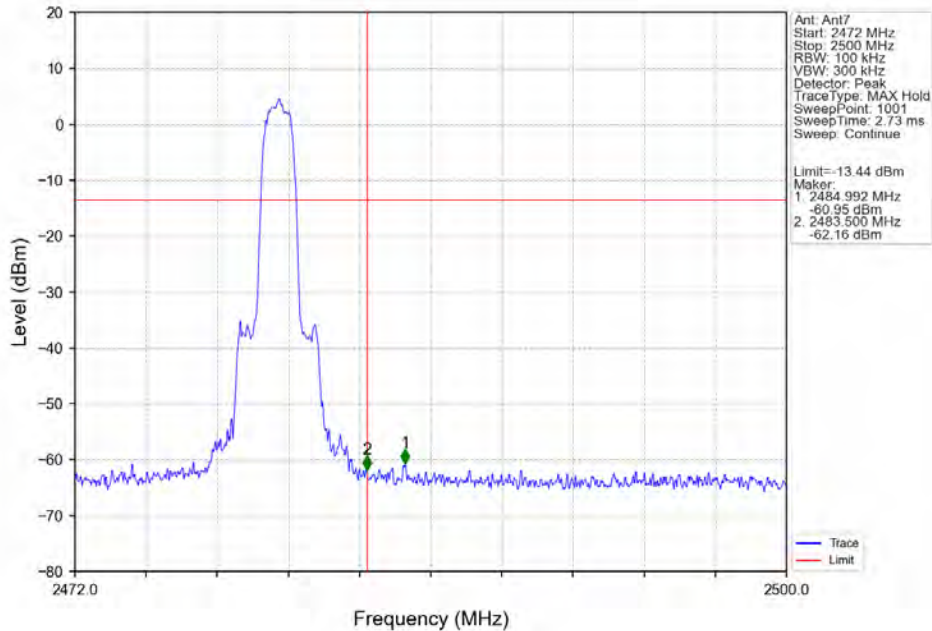
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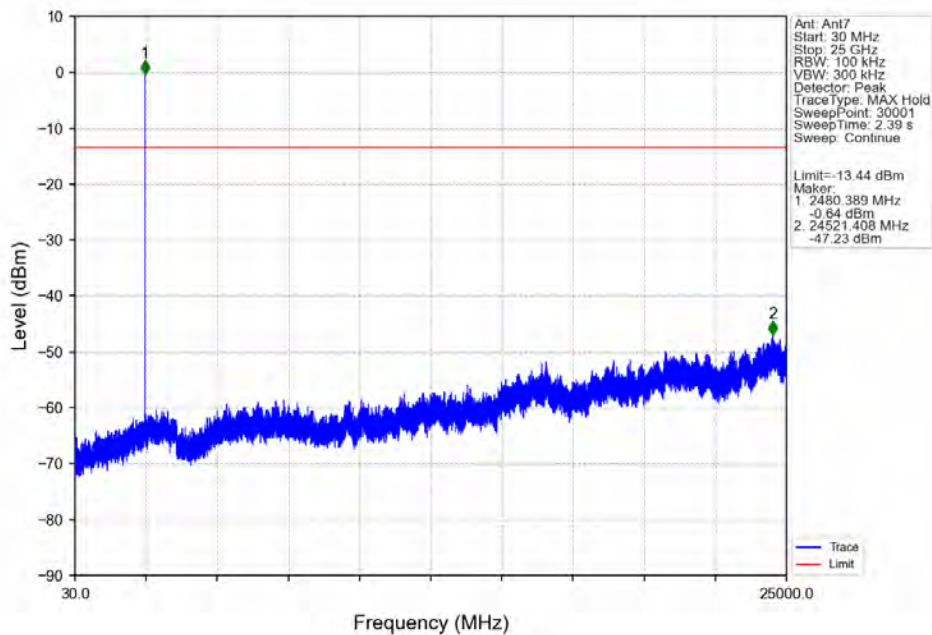
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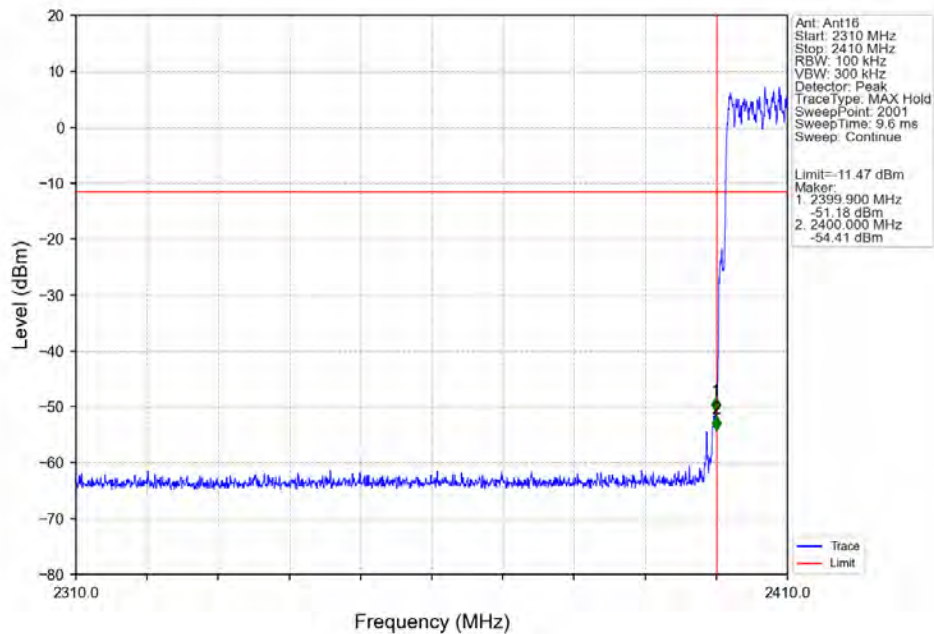
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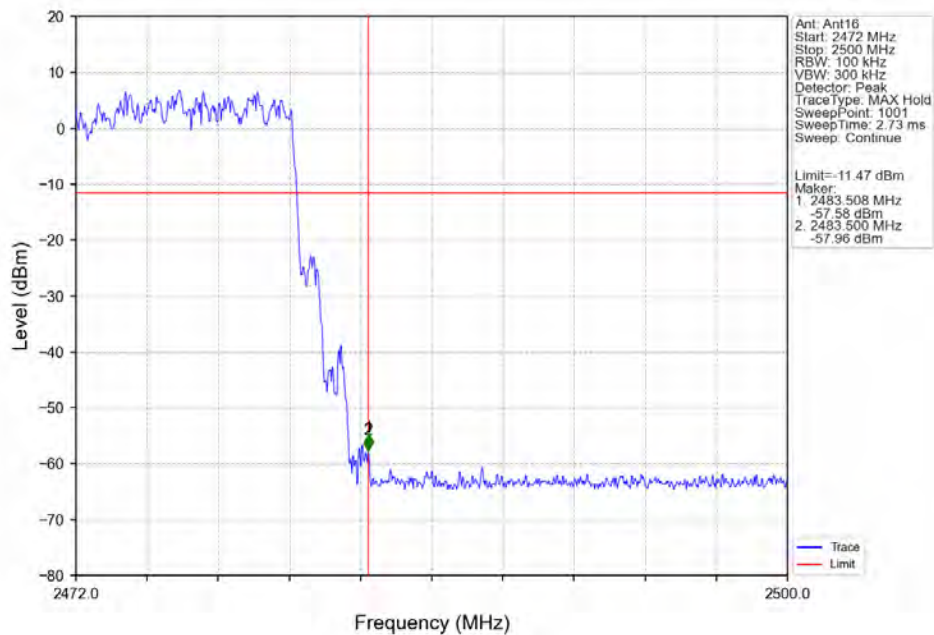
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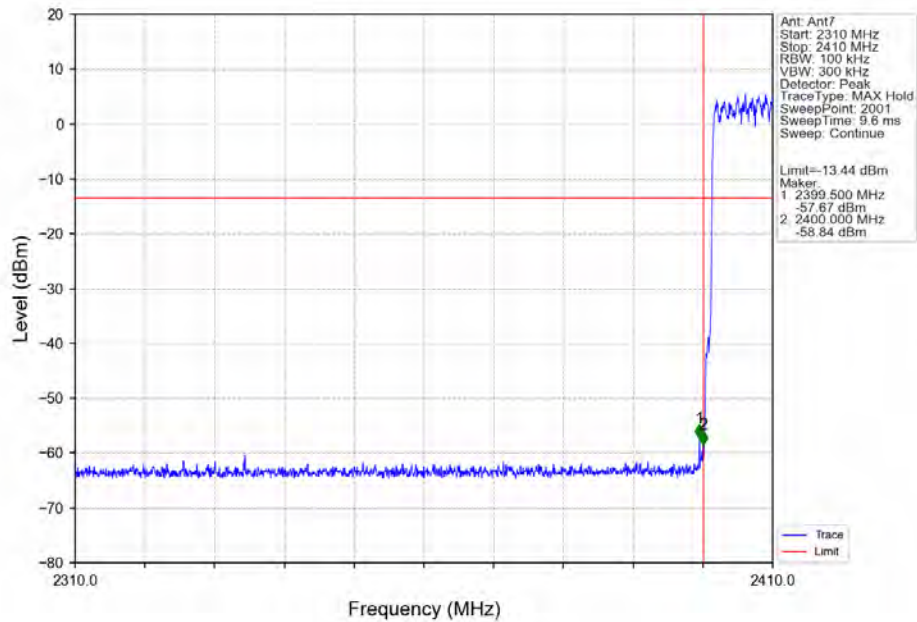
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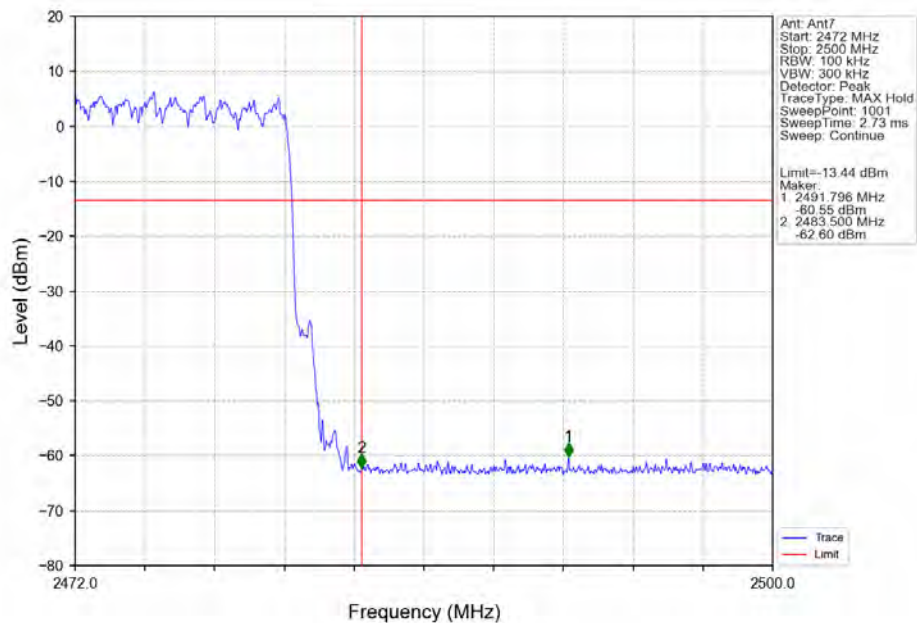
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8DPSK_3DH5_HOPP_Ant7_NTNV



8DPSK_3DH5_HOPP_Ant7_NTNV



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