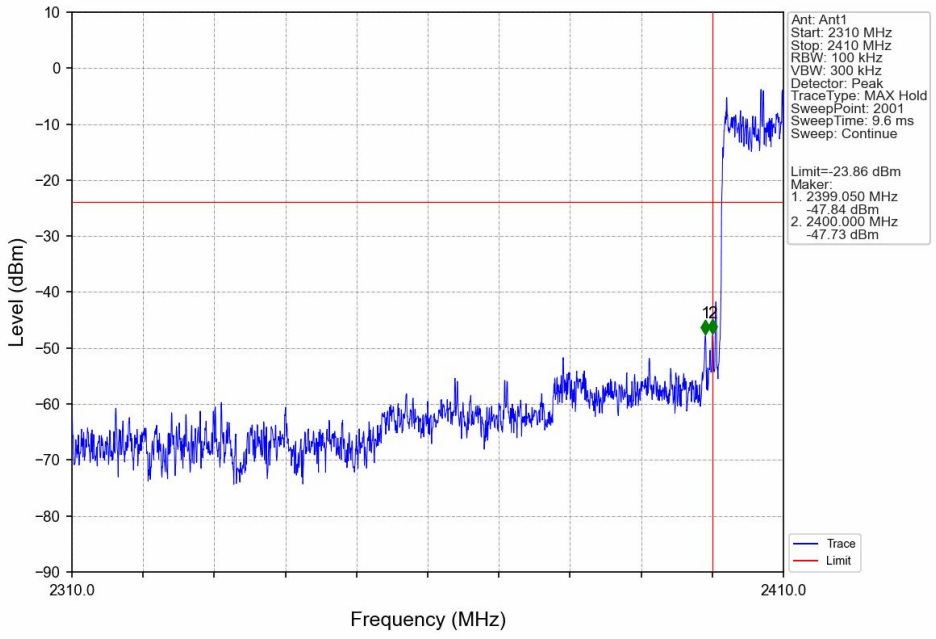
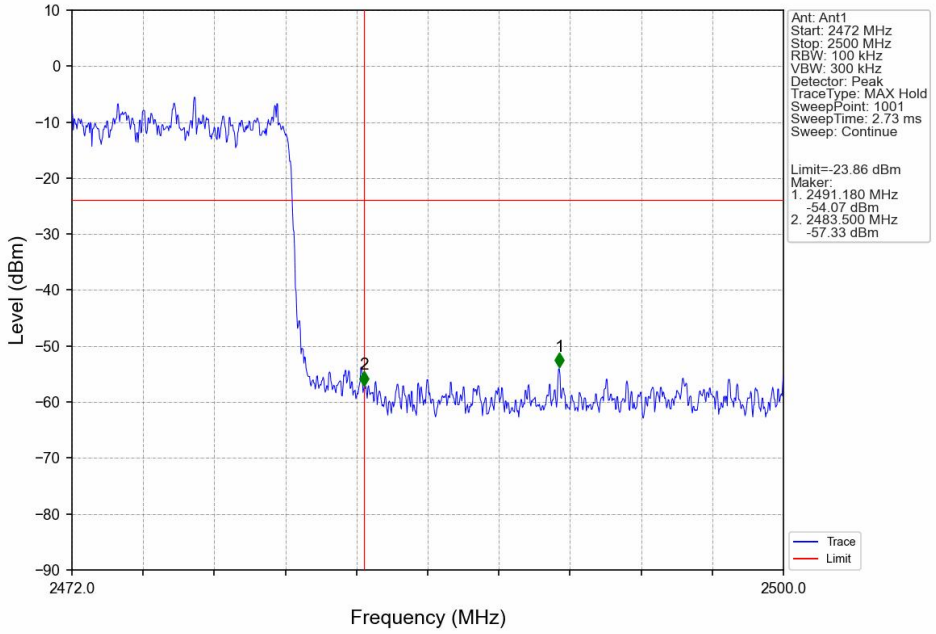
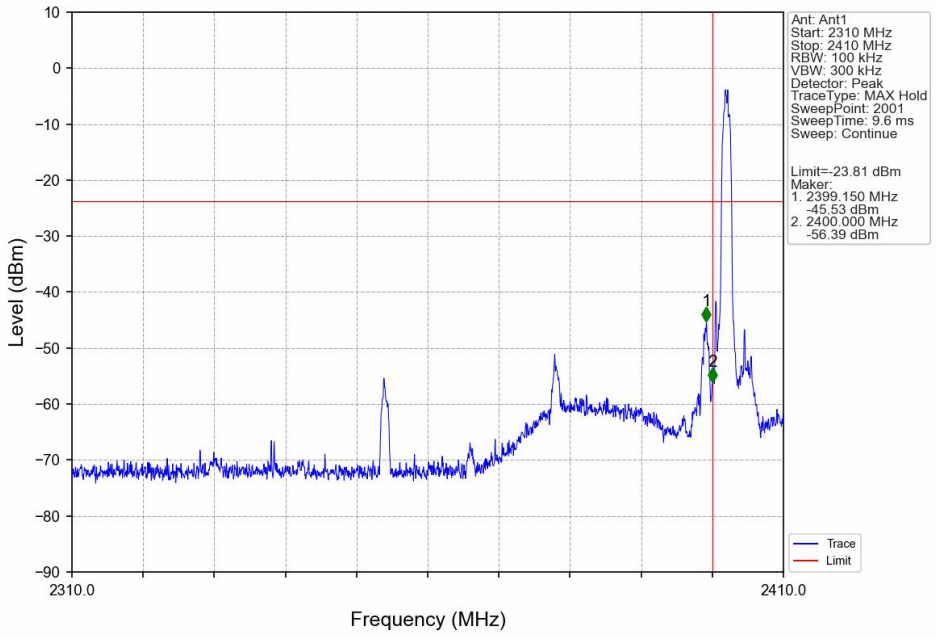
Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



Pi/4DQPSK_2DH5_HOPP_Ant1_NTNV



8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



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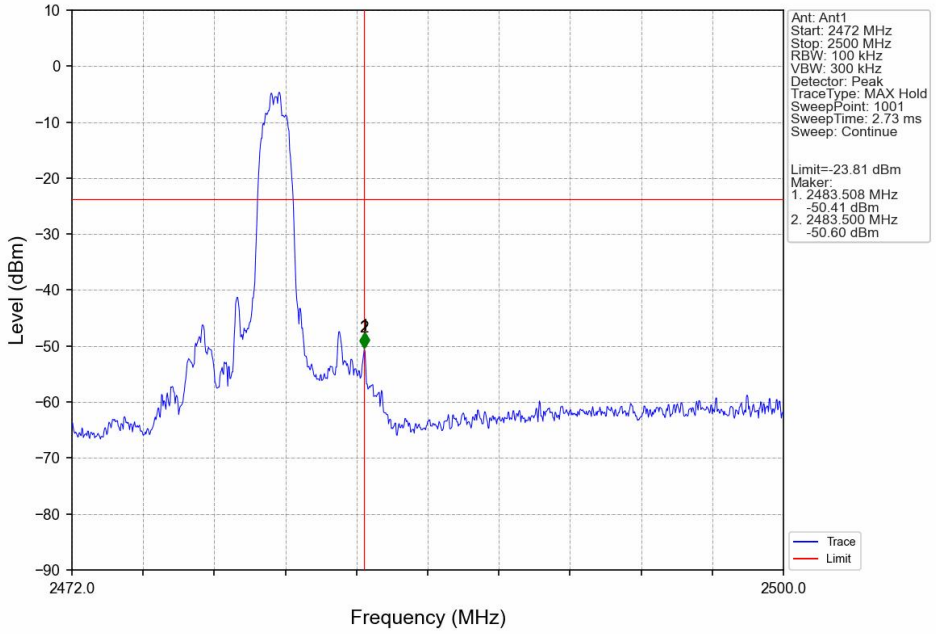

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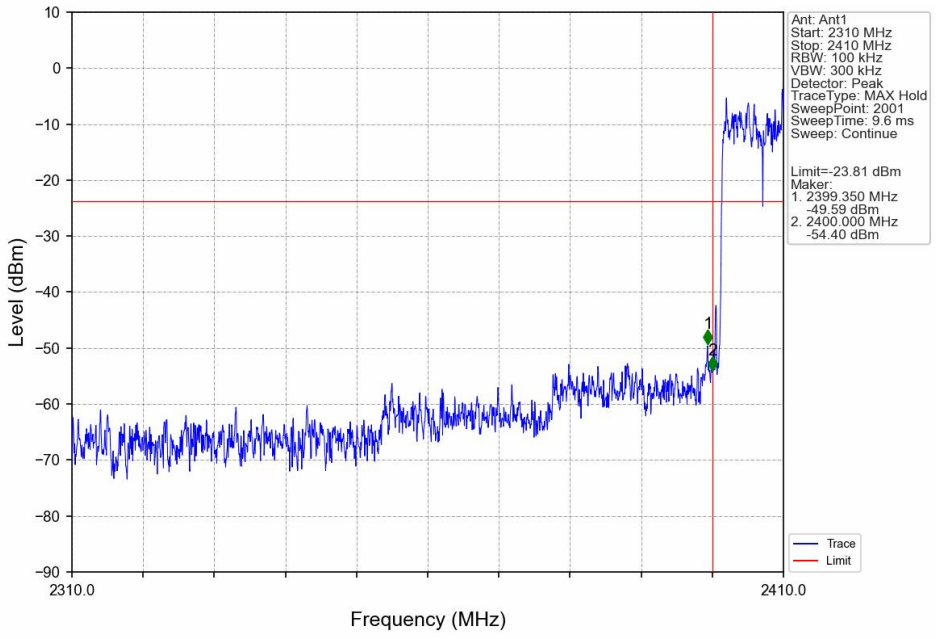

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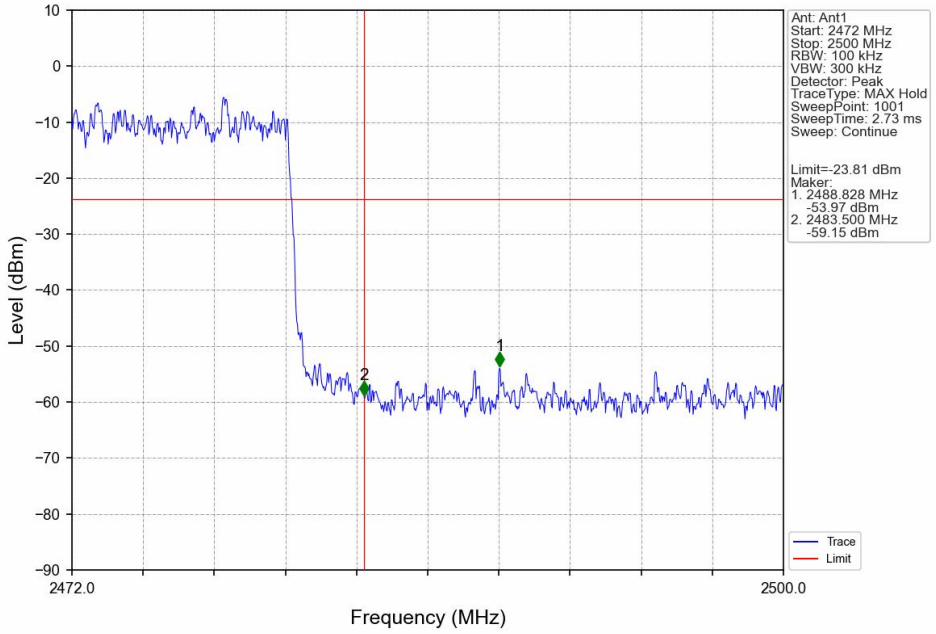
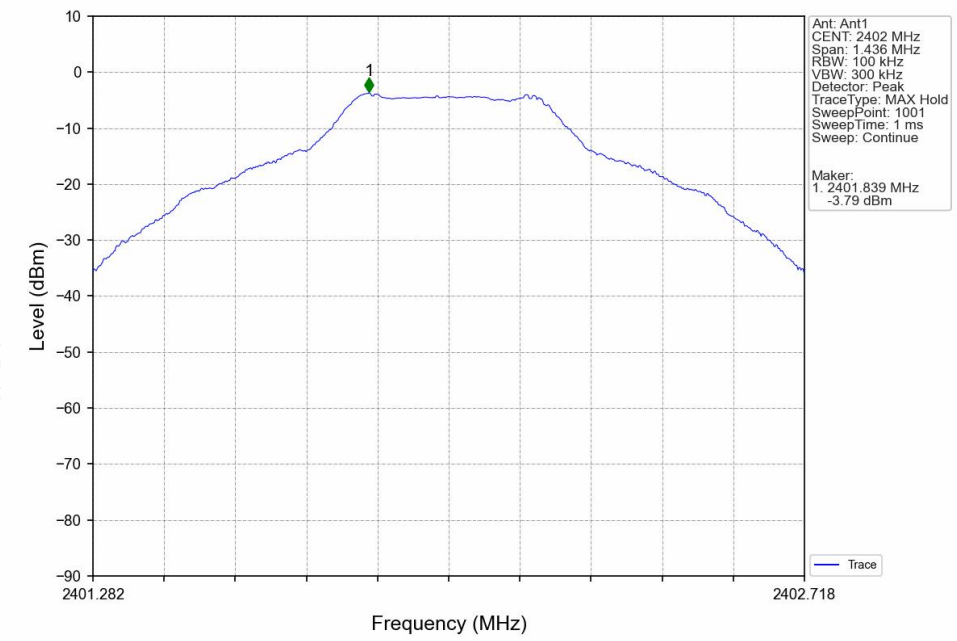


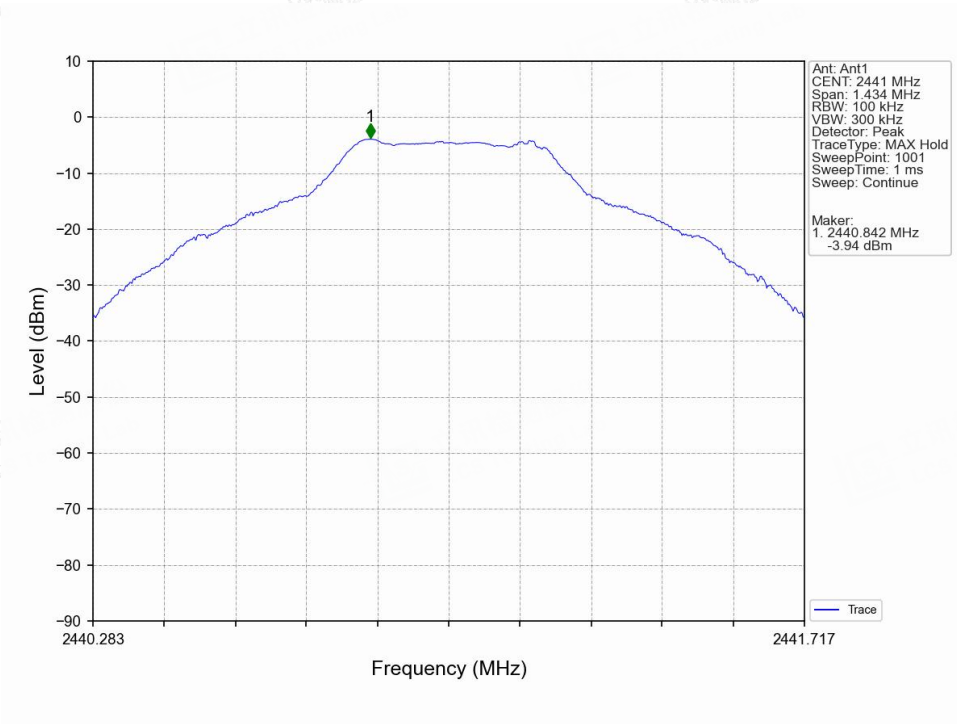
A.7 Conducted RF Spurious Emission

Mode	TX Type	Frequency (MHz)	Packet Type	ANT	Level of Reference (dBm)
GFSK	SISO	2402	DH5	1	-3.79
		2441	DH5	1	-3.94
		2480	DH5	1	-4.38
Pi/4DQPSK	SISO	2402	2DH5	1	-3.86
		2441	2DH5	1	-4.08
		2480	2DH5	1	-4.46
8DPSK	SISO	2402	3DH5	1	-3.81
		2441	3DH5	1	-3.99
		2480	3DH5	1	-4.42
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.					

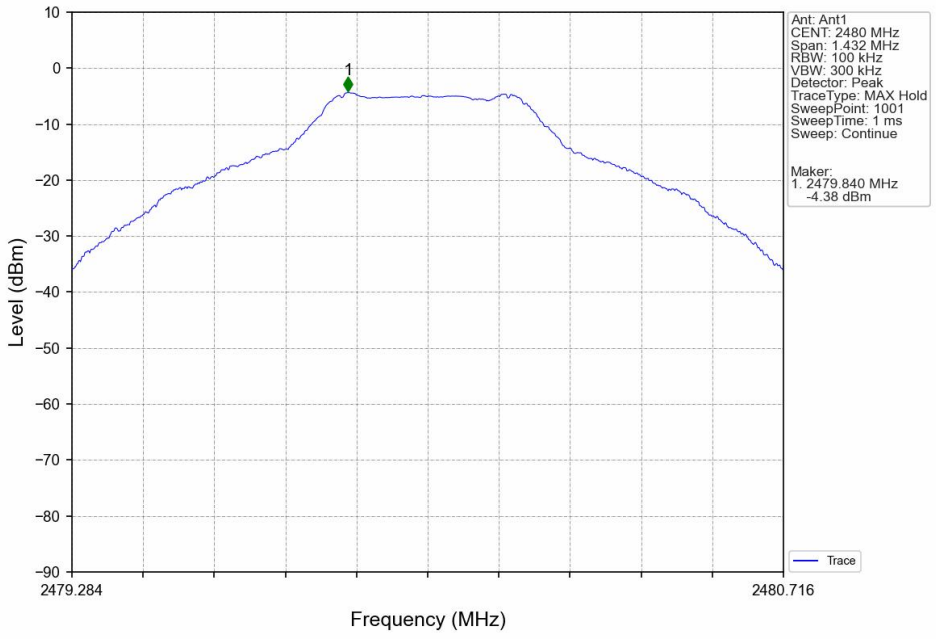
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



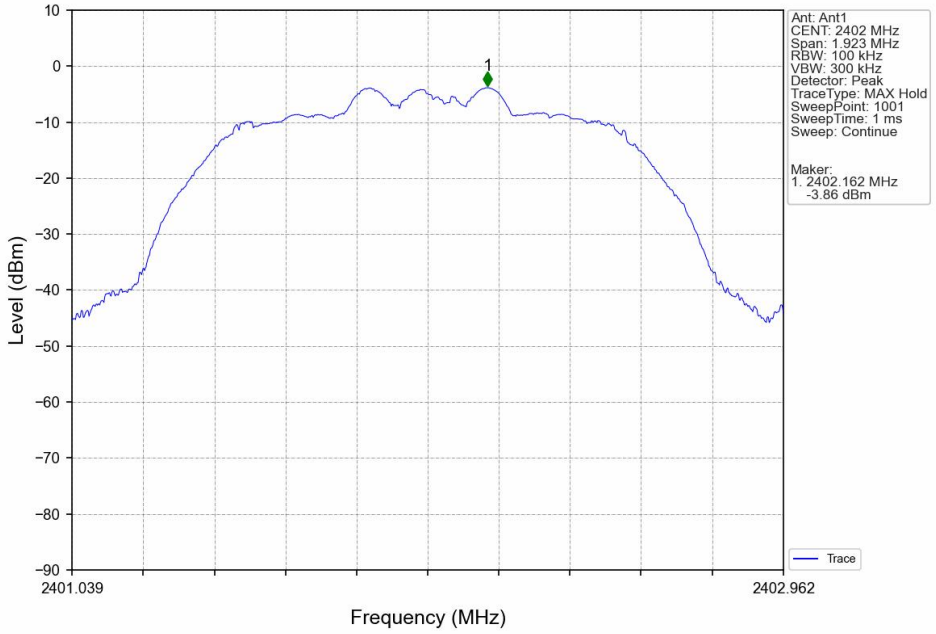
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



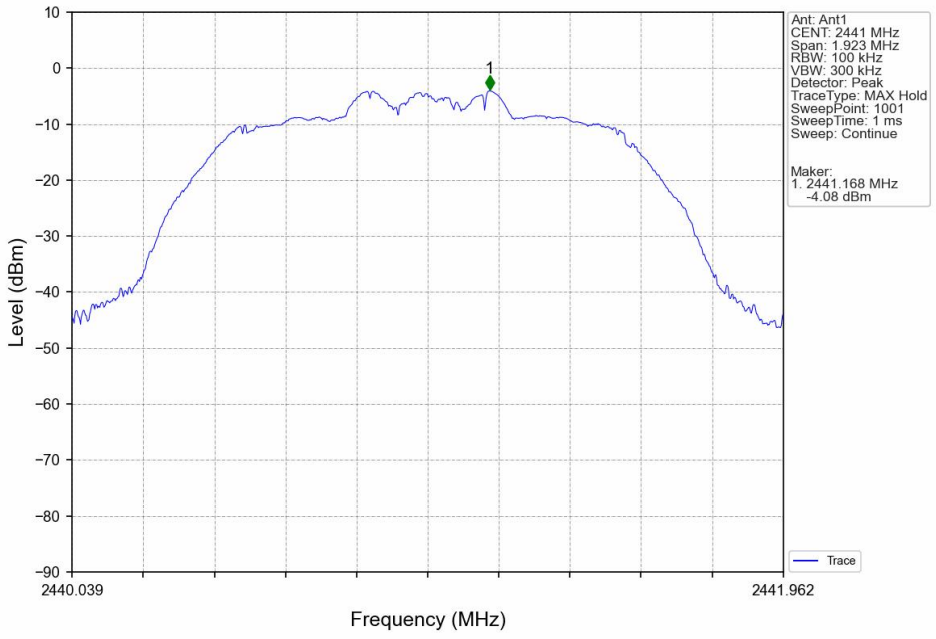
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



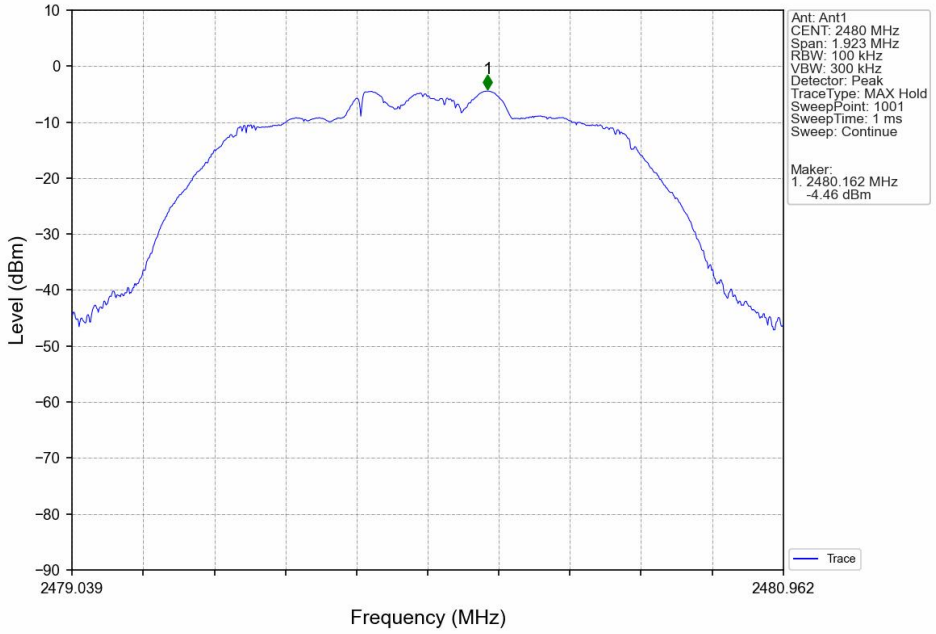
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



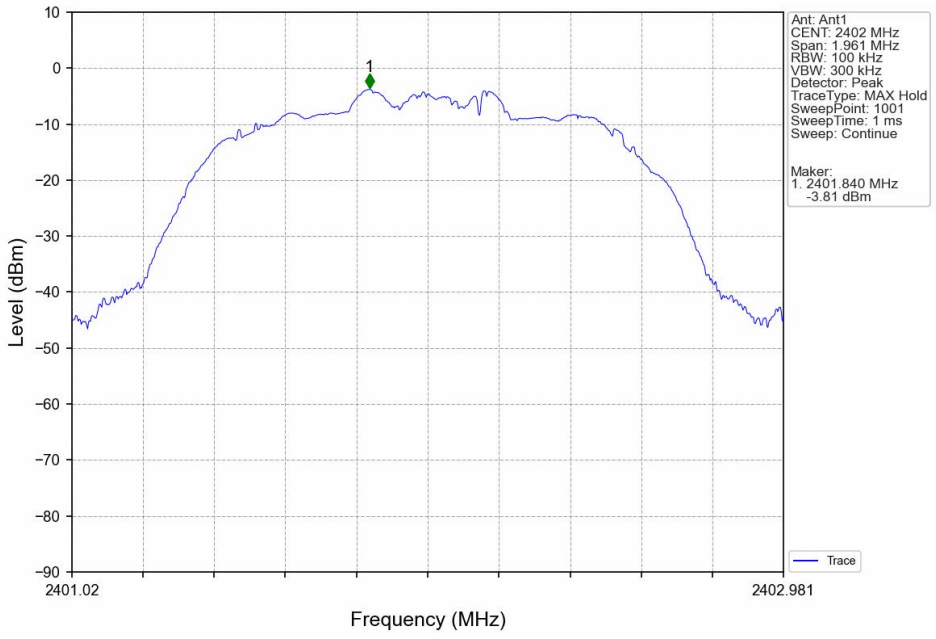
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



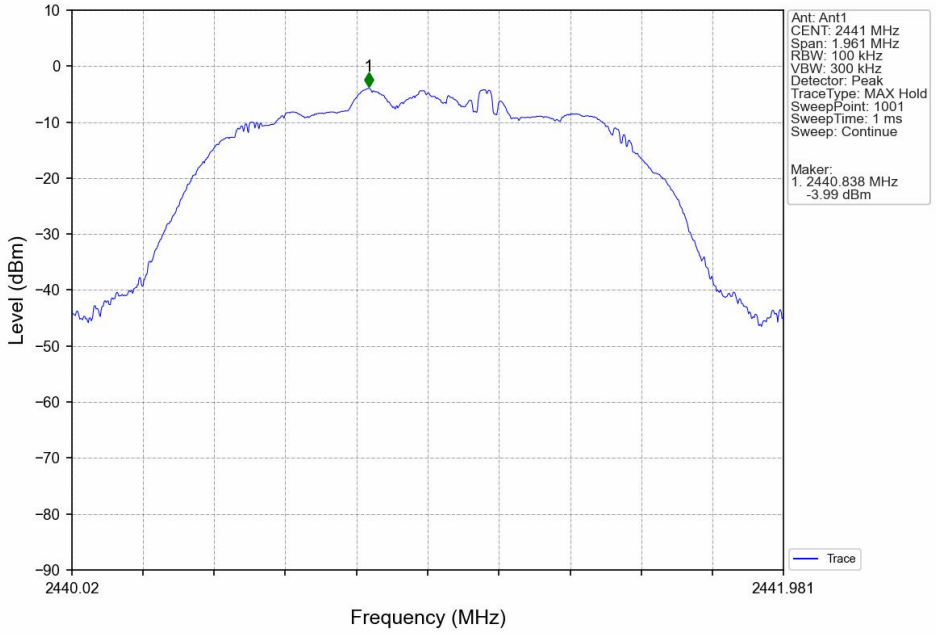
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



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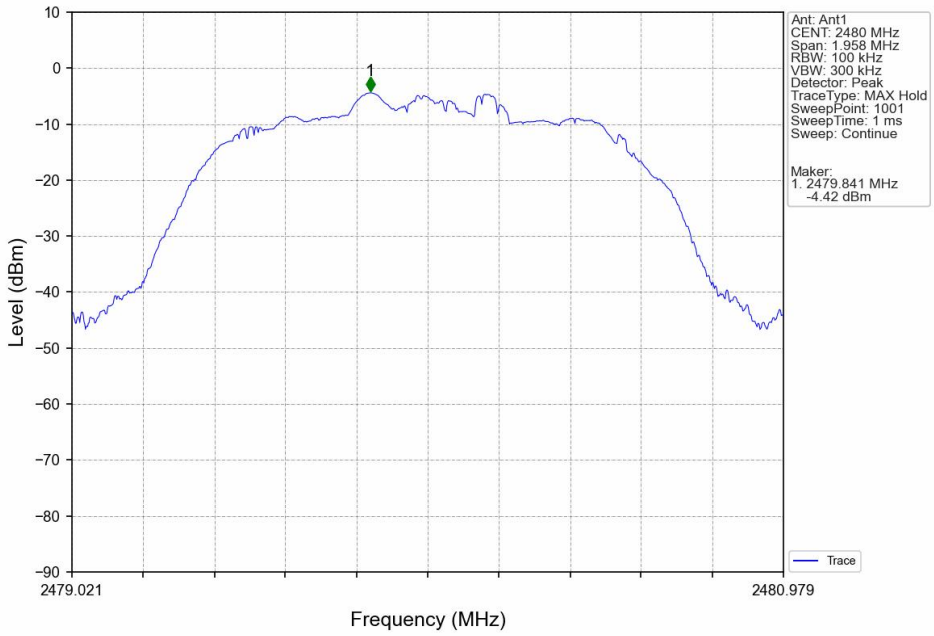
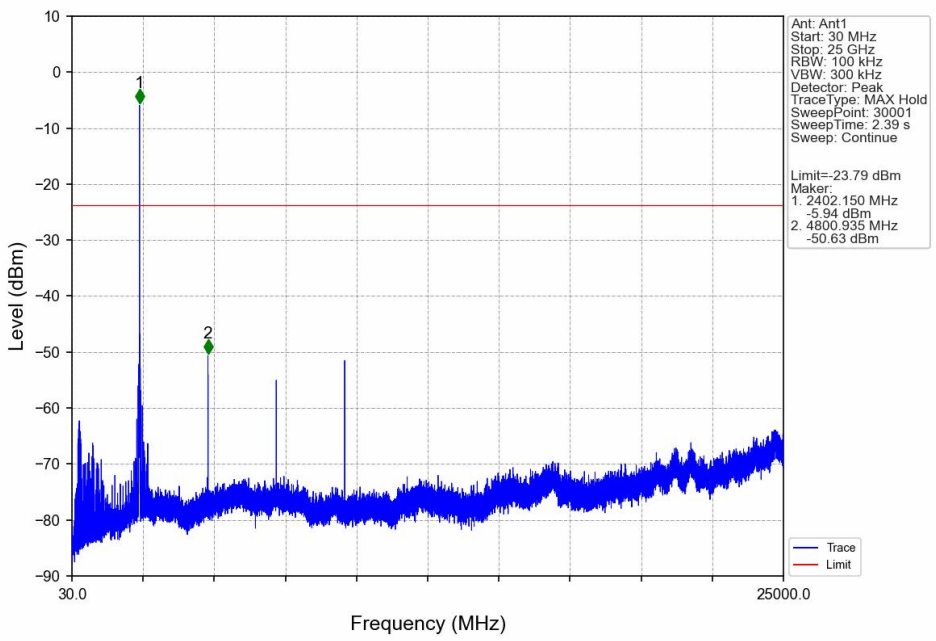
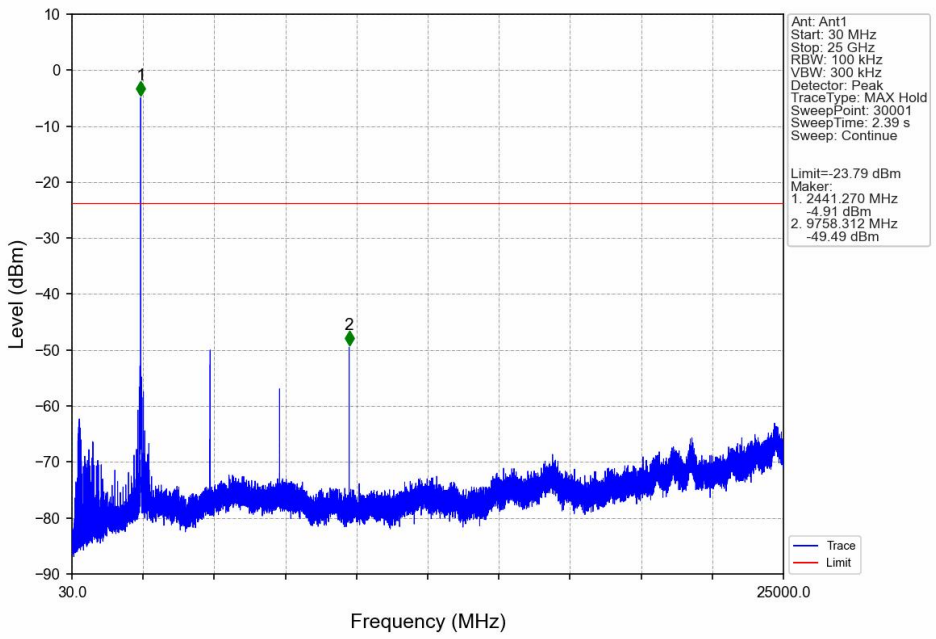


GFSK_DH5_LCH_2402MHz_Ant1_NTNV



GFSK_DH5_MCH_2441MHz_Ant1_NTNV



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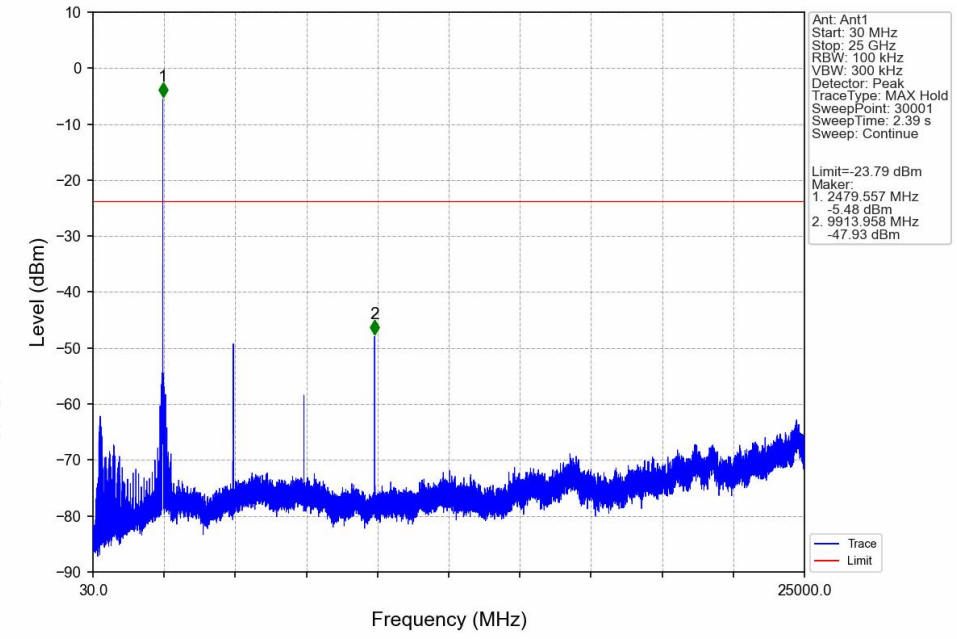
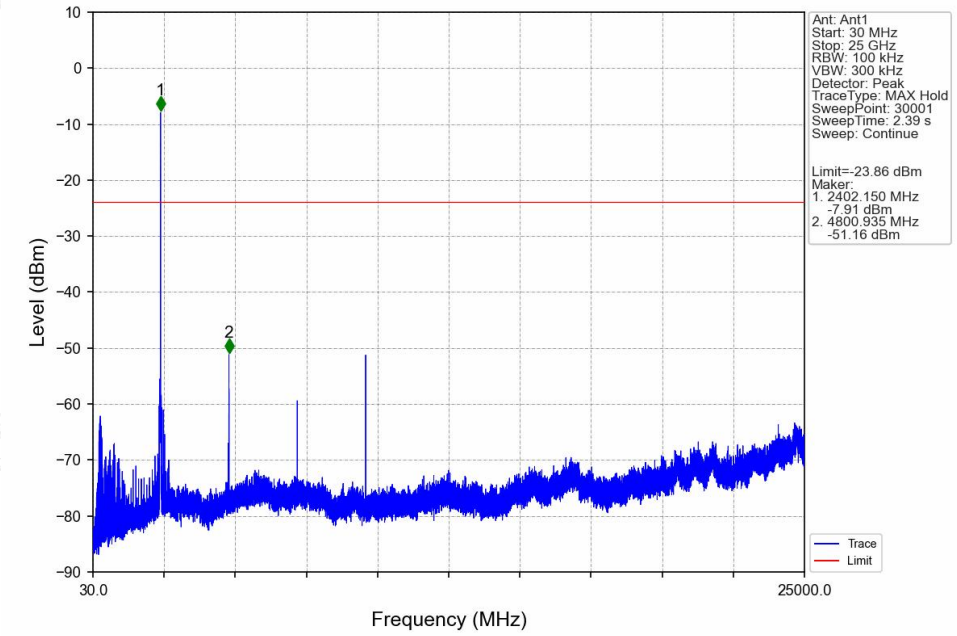
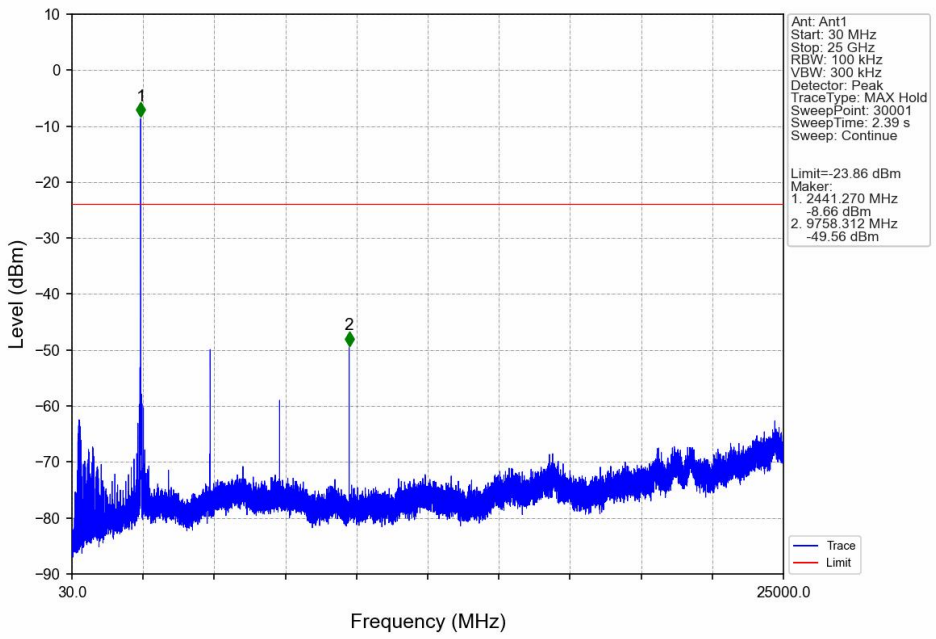


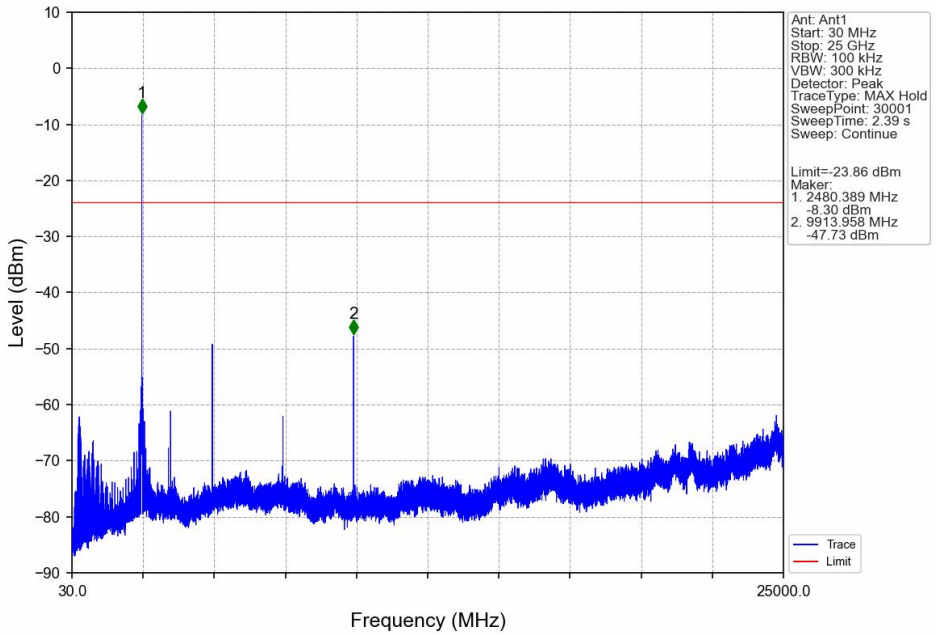
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



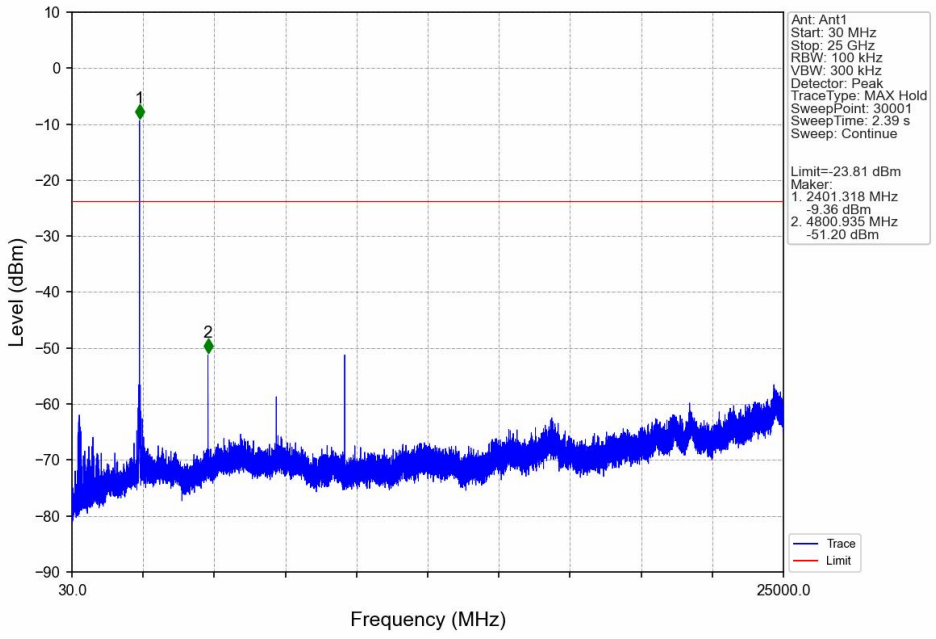
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



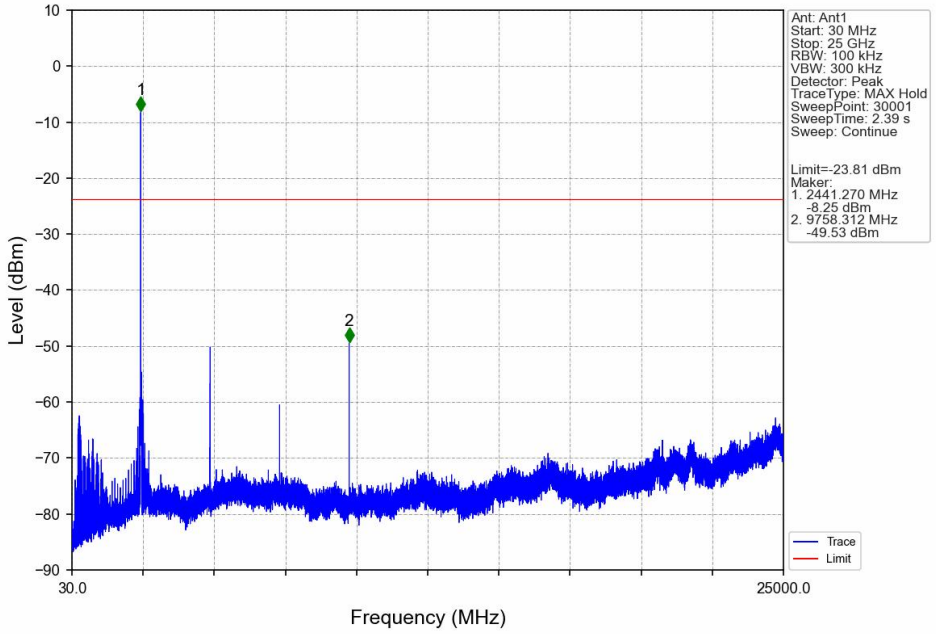
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



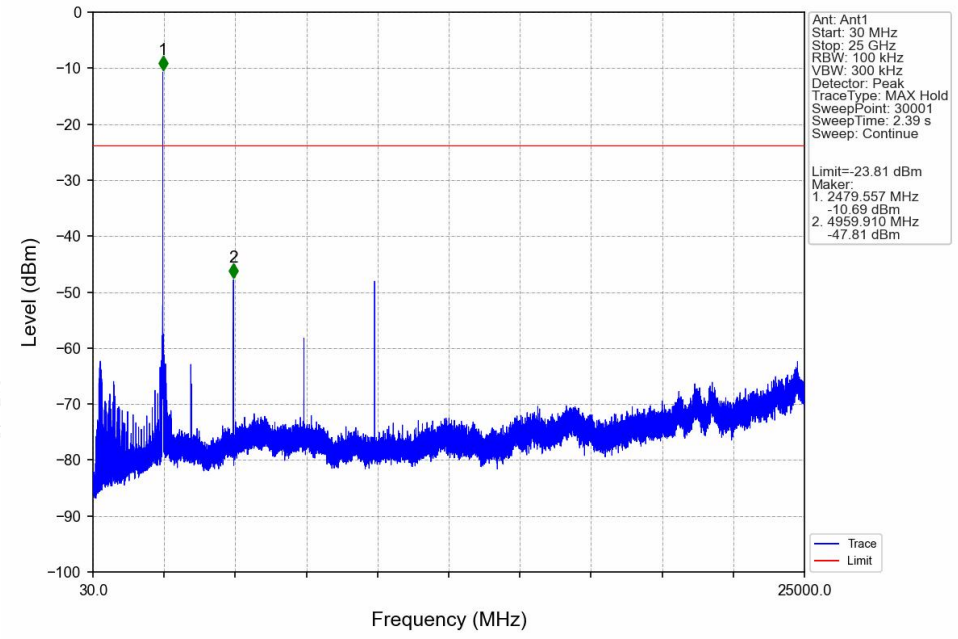
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



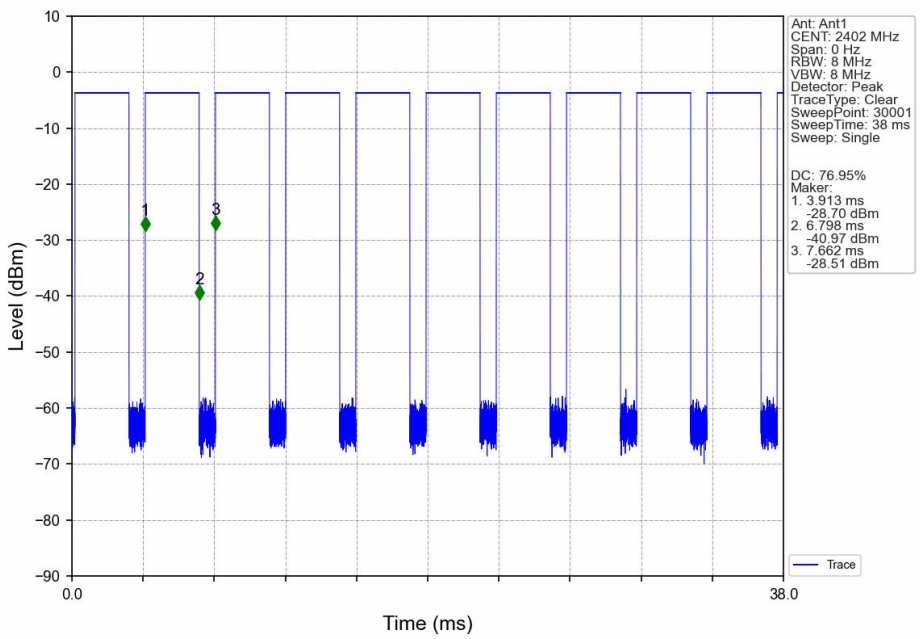
8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV



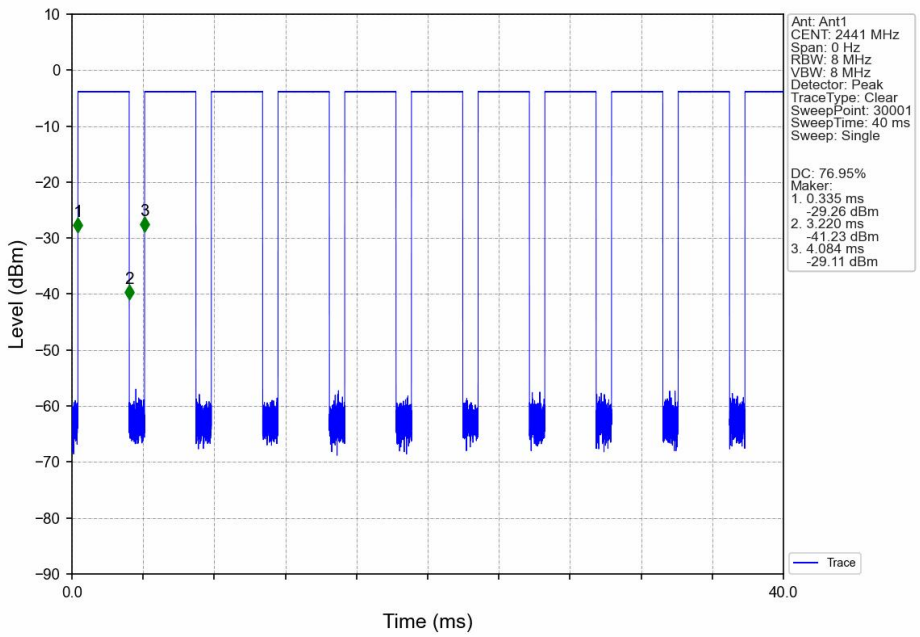
A.8 Duty Cycle

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	2.885	3.749	76.95	1.14	0.03
		2441	DH5	2.885	3.749	76.95	1.14	0.01
		2480	DH5	2.885	3.749	76.95	1.14	0.01
Pi/4DQPSK	SISO	2402	2DH5	2.892	3.751	77.10	1.13	0.03
		2441	2DH5	2.892	3.749	77.14	1.13	0.01
		2480	2DH5	2.892	3.751	77.10	1.13	0.03
8DPSK	SISO	2402	3DH5	2.895	3.750	77.20	1.12	0.01
		2441	3DH5	2.894	3.749	77.19	1.12	0.03
		2480	3DH5	2.895	3.750	77.20	1.12	0.03

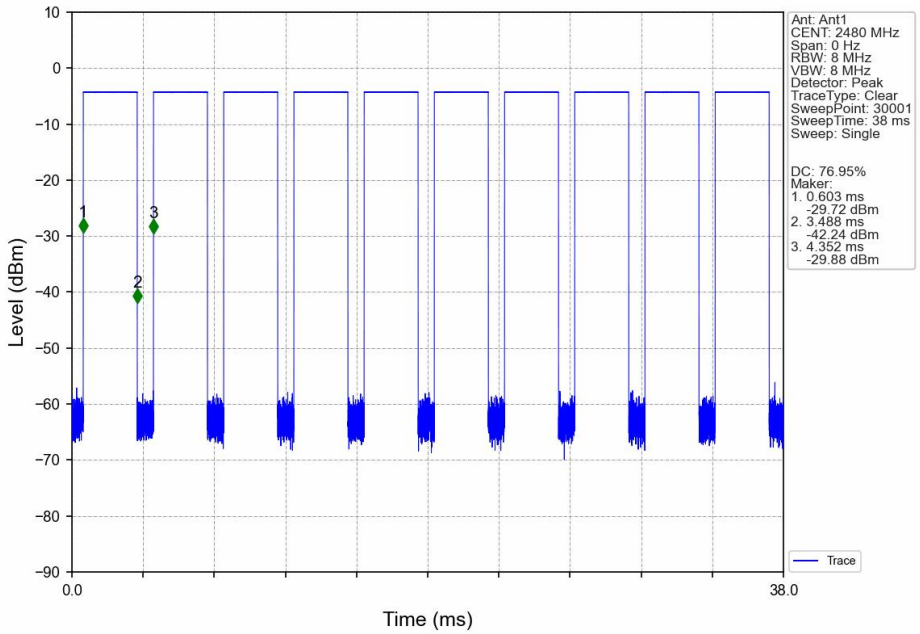
GFSK_DH5_LCH_2402MHz_Ant1_NTNV



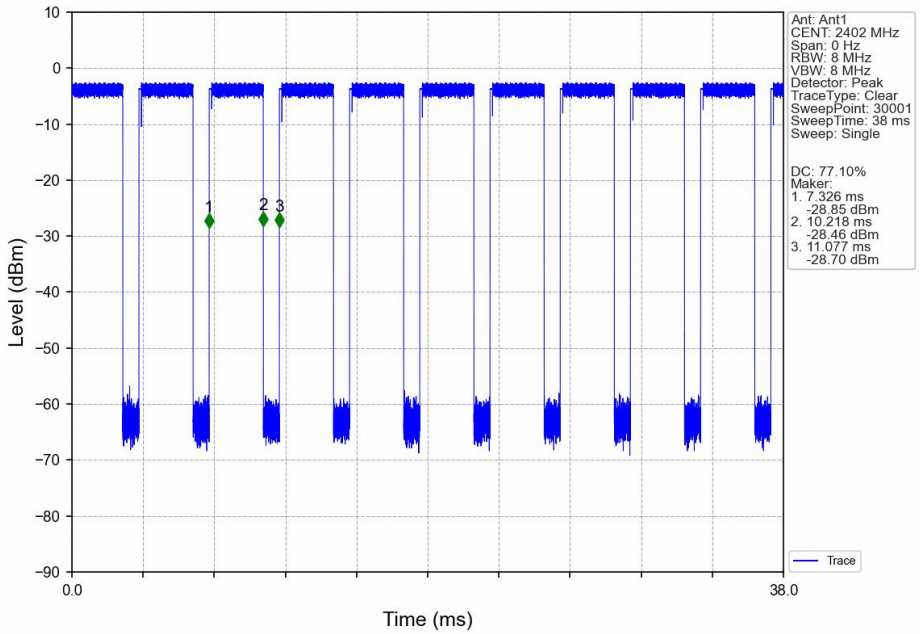
GFSK_DH5_MCH_2441MHz_Ant1_NTNV



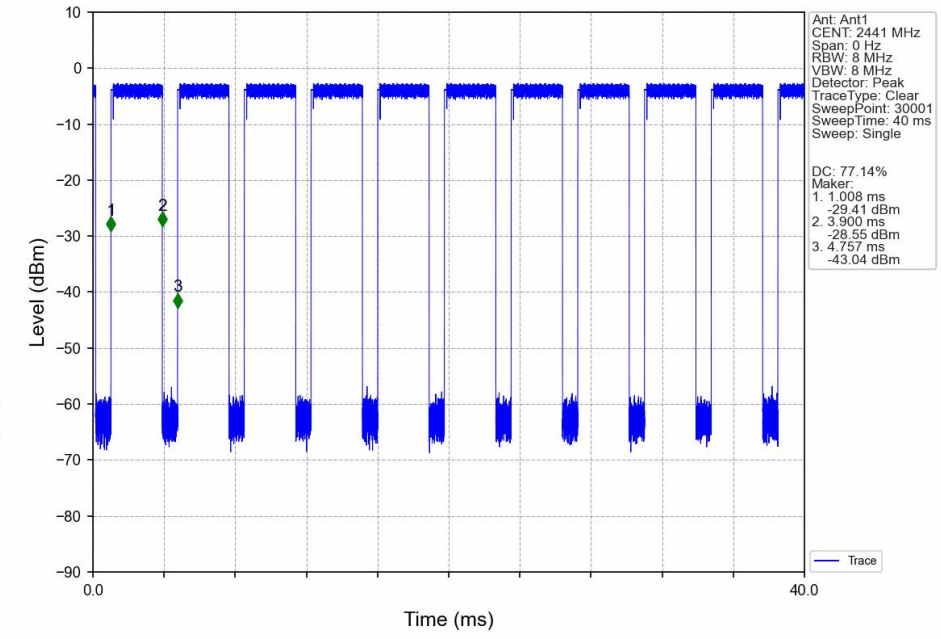
GFSK_DH5_HCH_2480MHz_Ant1_NTNV



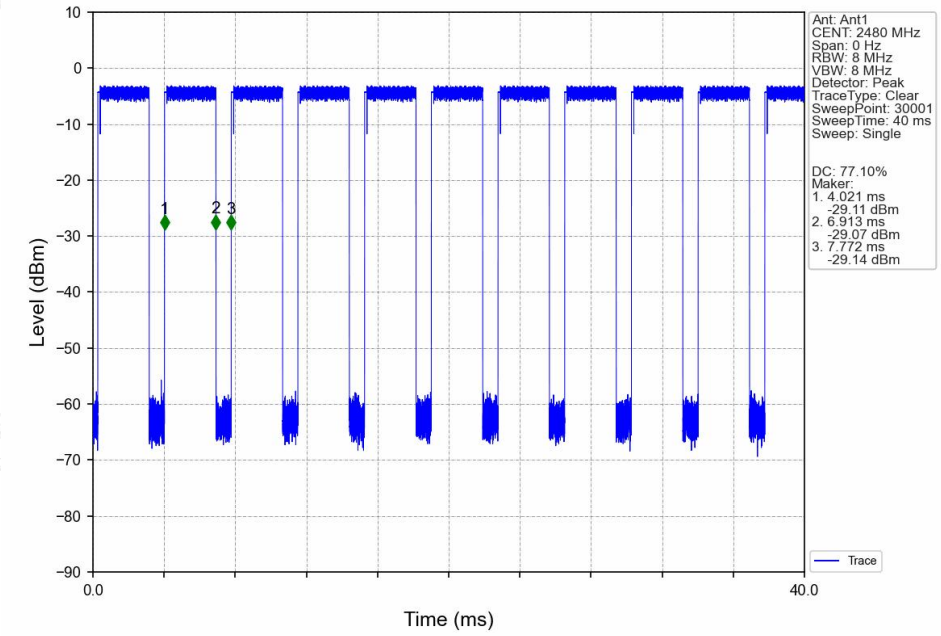
Pi/4DQPSK_2DH5_LCH_2402MHz_Ant1_NTNV



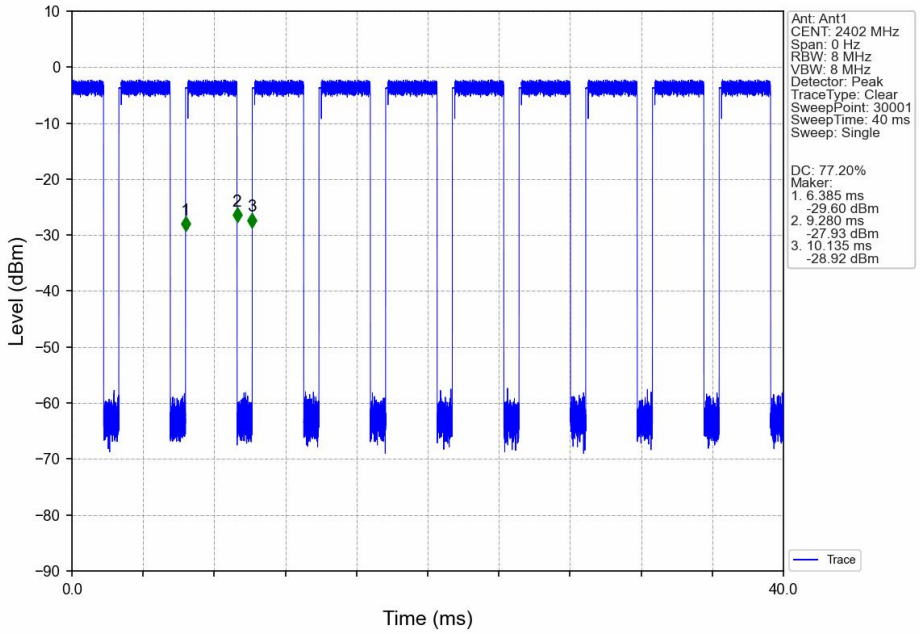
Pi/4DQPSK_2DH5_MCH_2441MHz_Ant1_NTNV



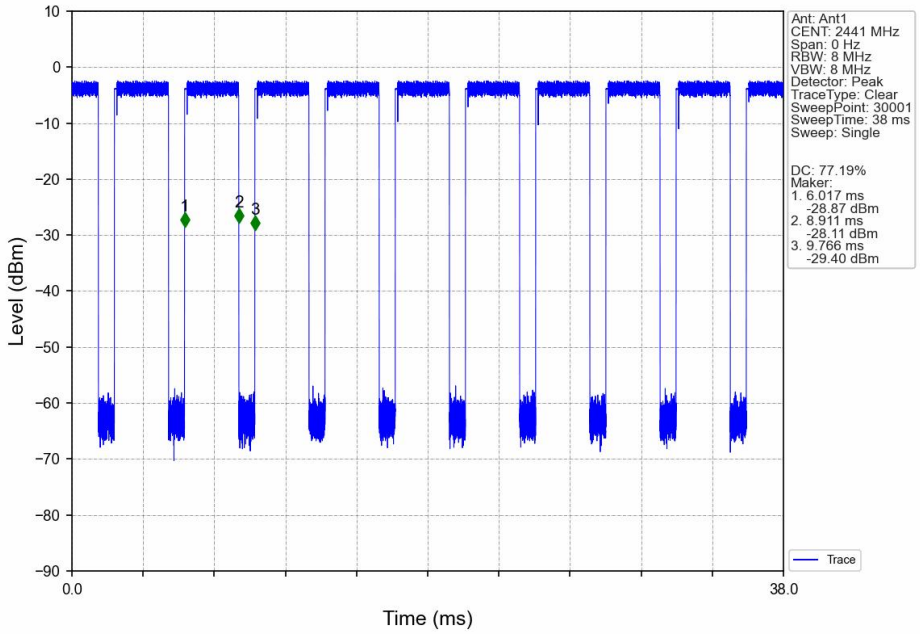
Pi/4DQPSK_2DH5_HCH_2480MHz_Ant1_NTNV



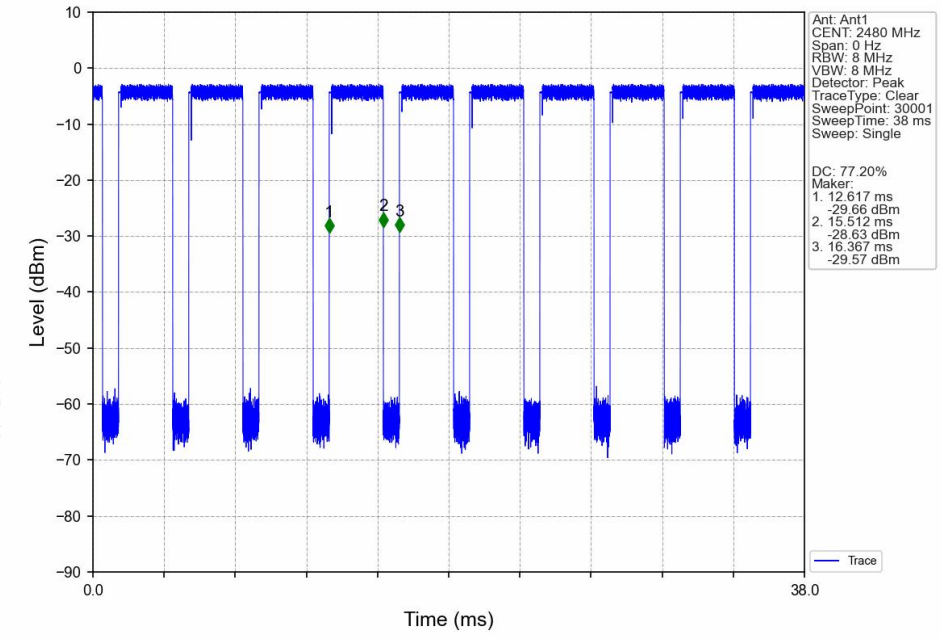
8DPSK_3DH5_LCH_2402MHz_Ant1_NTNV



8DPSK_3DH5_MCH_2441MHz_Ant1_NTNV



8DPSK_3DH5_HCH_2480MHz_Ant1_NTNV

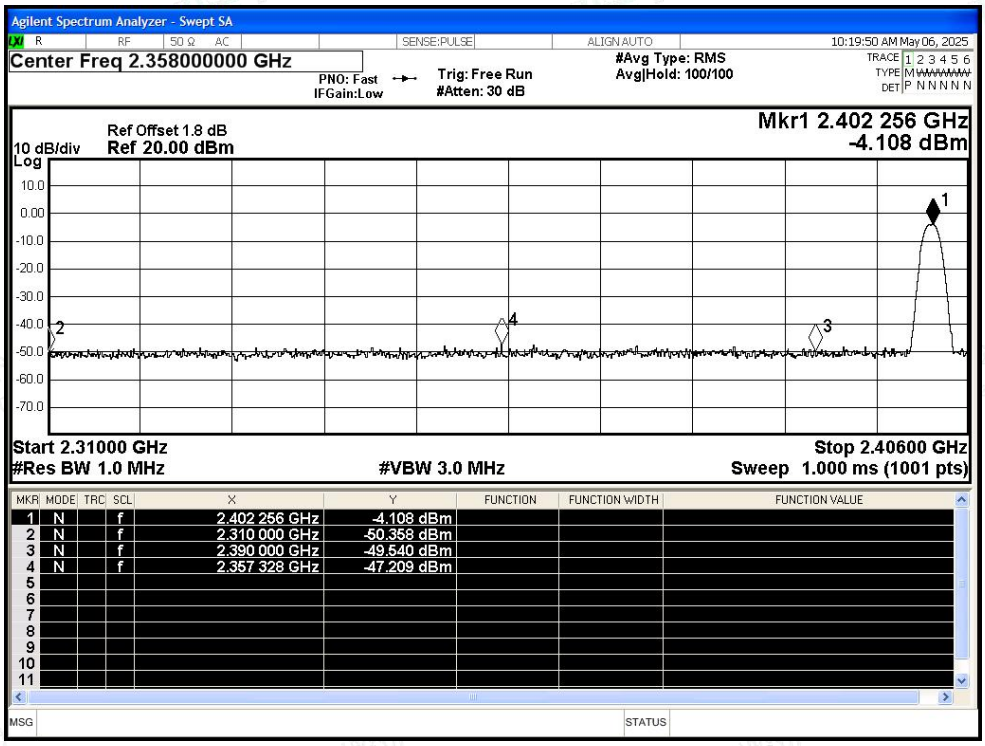


A.9 Restrict Band

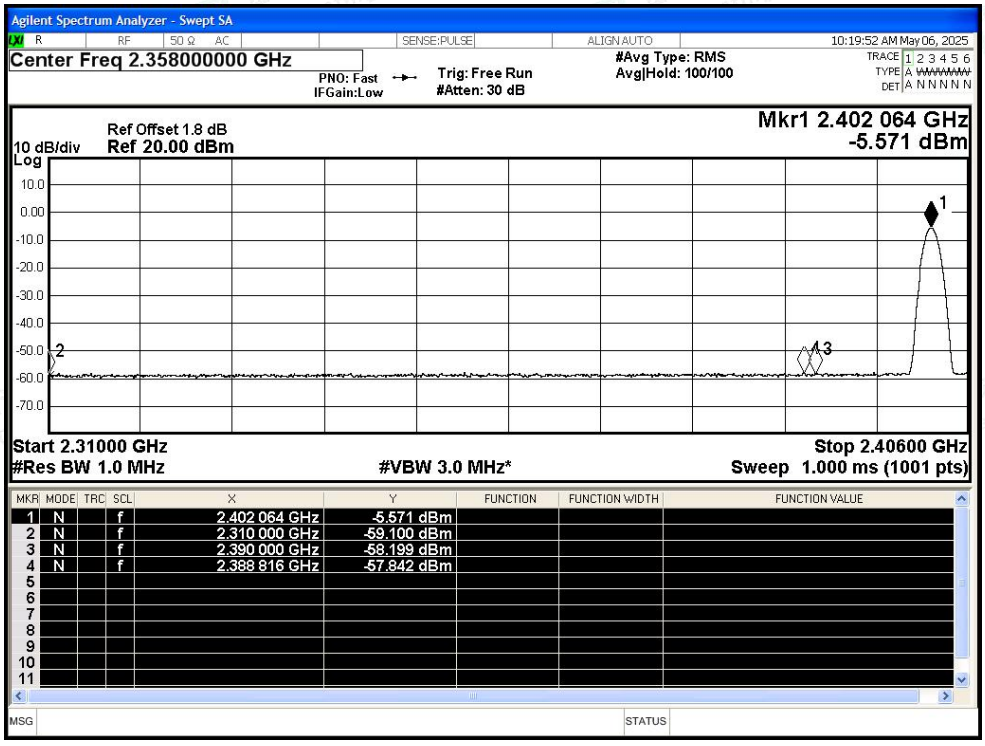
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-50.36	2	-	46.90	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-59.1	2	1.14	39.30	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2357.328	-47.21	2	-	50.05	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.816	-57.84	2	1.14	40.56	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-49.54	2	-	47.72	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.2	2	1.14	40.20	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.99	2	-	47.27	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-58.04	2	1.14	40.36	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.576	-45.7	2	-	51.56	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2495.848	-57.43	2	1.14	40.97	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.65	2	-	46.61	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.24	2	1.14	40.16	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.66	2	-	46.60	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-59.29	2	1.14	39.11	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2343.888	-47.06	2	-	50.20	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2383.152	-57.82	2	1.14	40.58	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.33	2	-	46.93	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.07	2	1.14	39.33	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.81	2	-	46.45	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.99	2	1.12	40.39	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.664	-46.59	2	-	50.67	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.352	-57.43	2	1.12	40.95	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-50.17	2	-	47.09	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.05	2	1.12	40.33	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.98	2	-	46.28	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.9	2	1.12	39.48	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2363.568	-47.59	2	-	49.67	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2368.944	-57.78	2	1.12	40.60	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.33	2	-	45.93	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.94	2	1.12	39.44	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-48.73	2	-	48.53	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-57.62	2	1.12	40.76	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2485.168	-46.75	2	-	50.51	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2497.888	-57.31	2	1.12	41.07	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-51.05	2	-	46.21	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.31	2	1.12	40.07	Average	54	Pass

Test Graphs

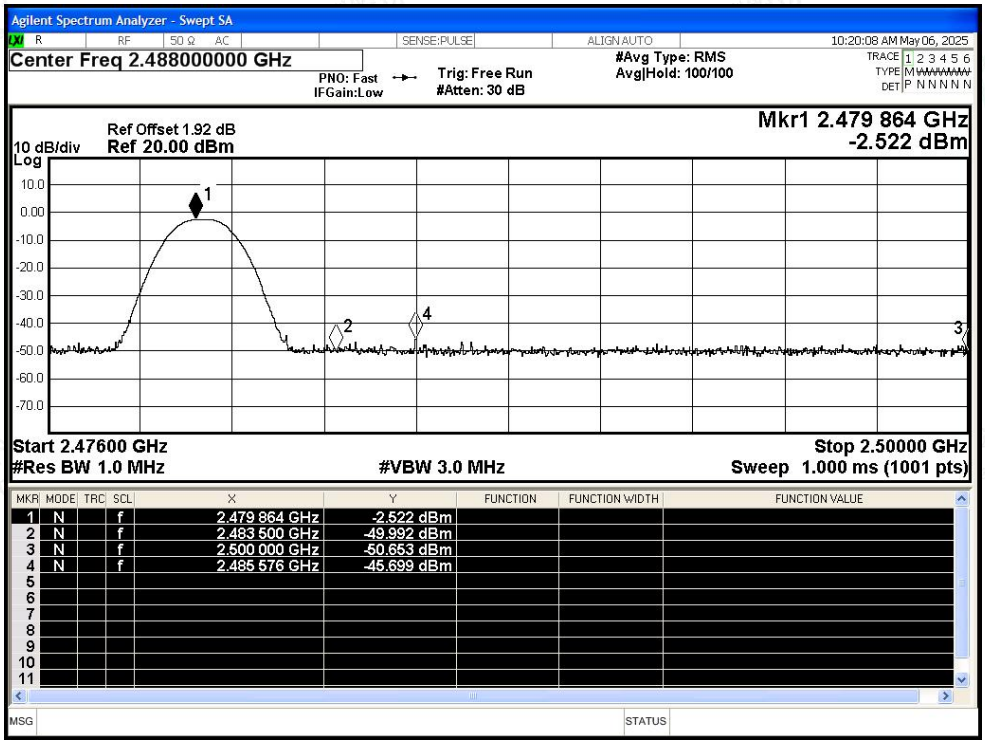
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



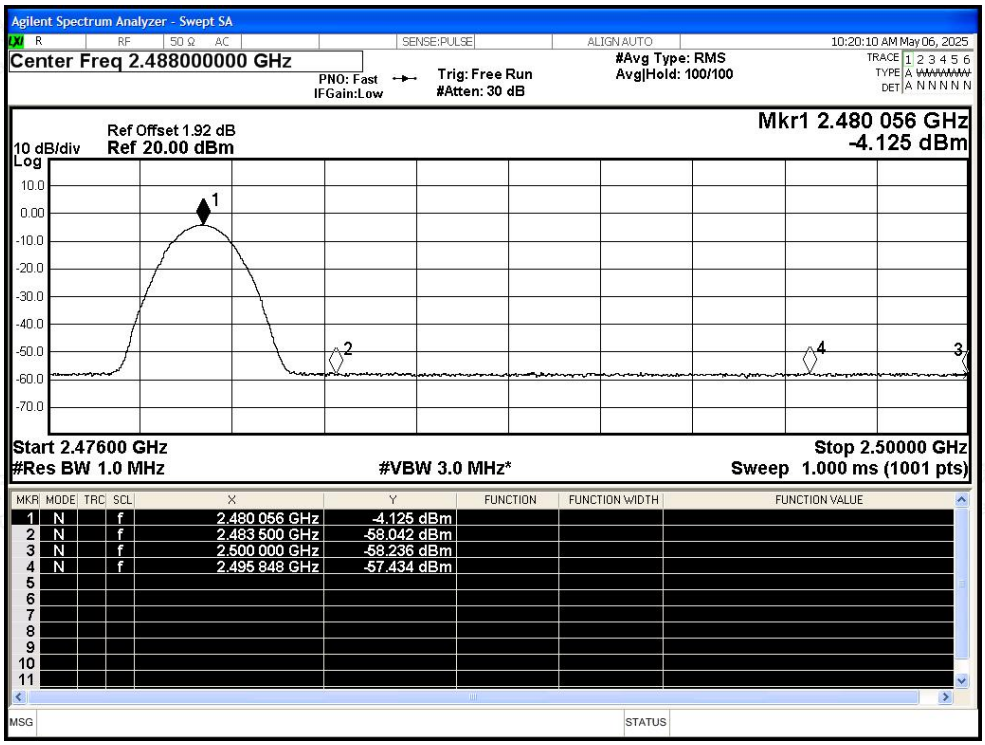
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



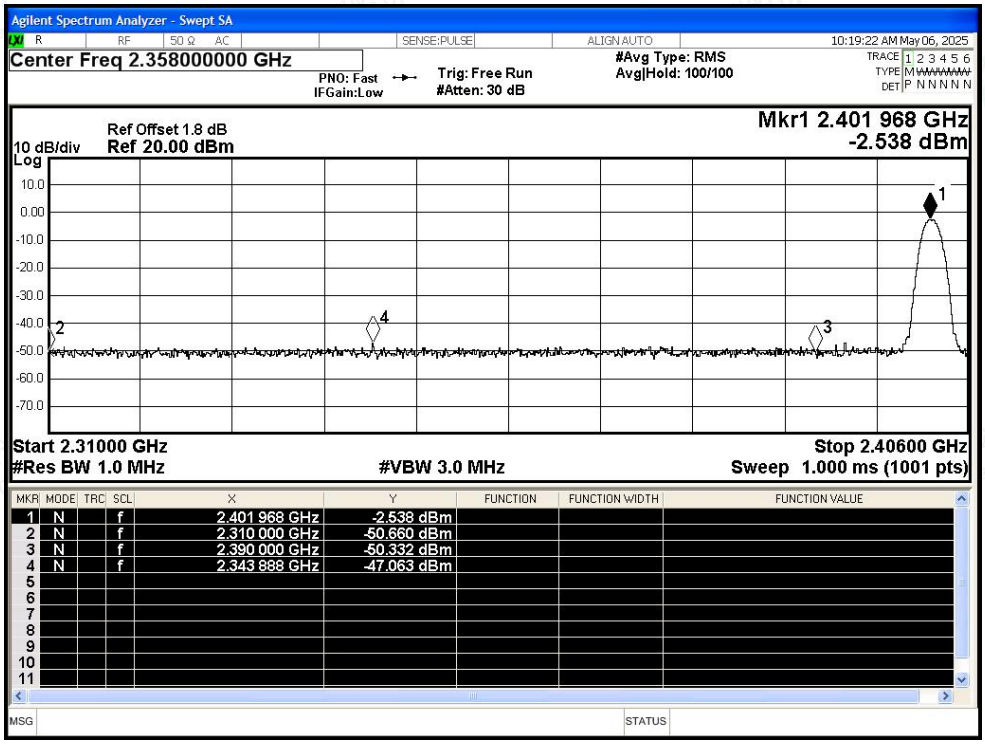
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



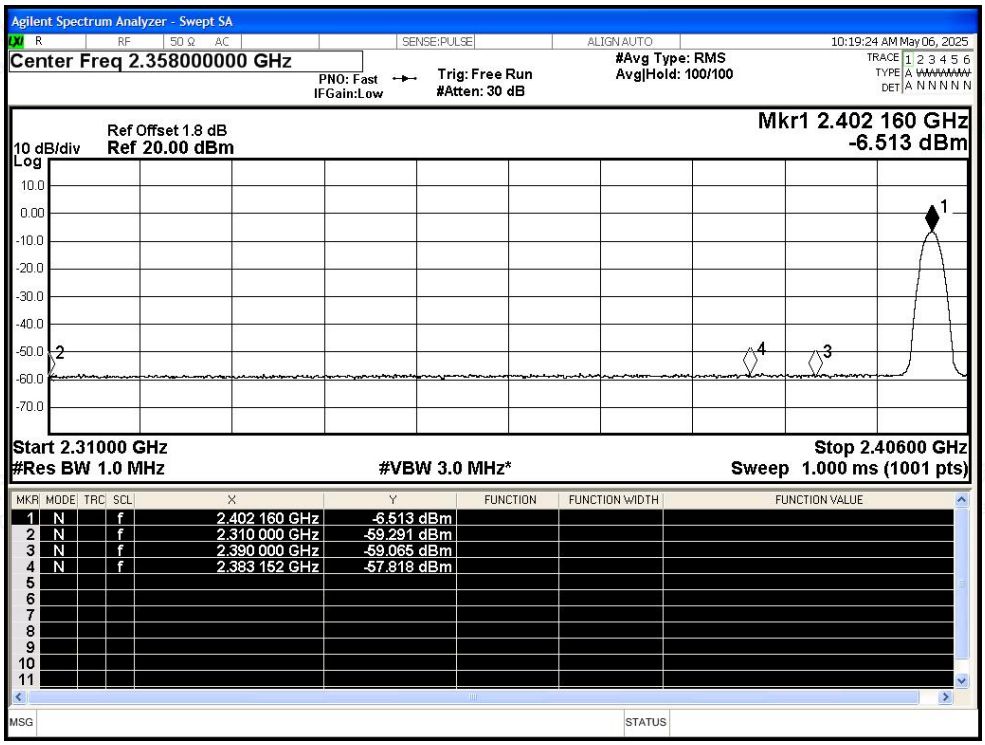
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



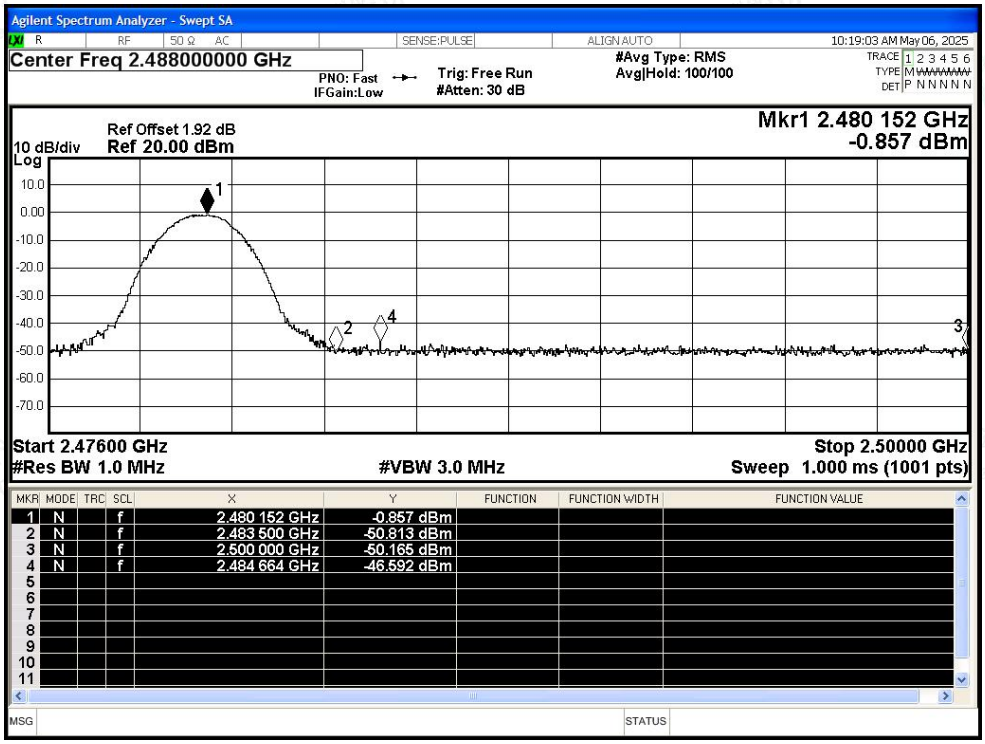
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



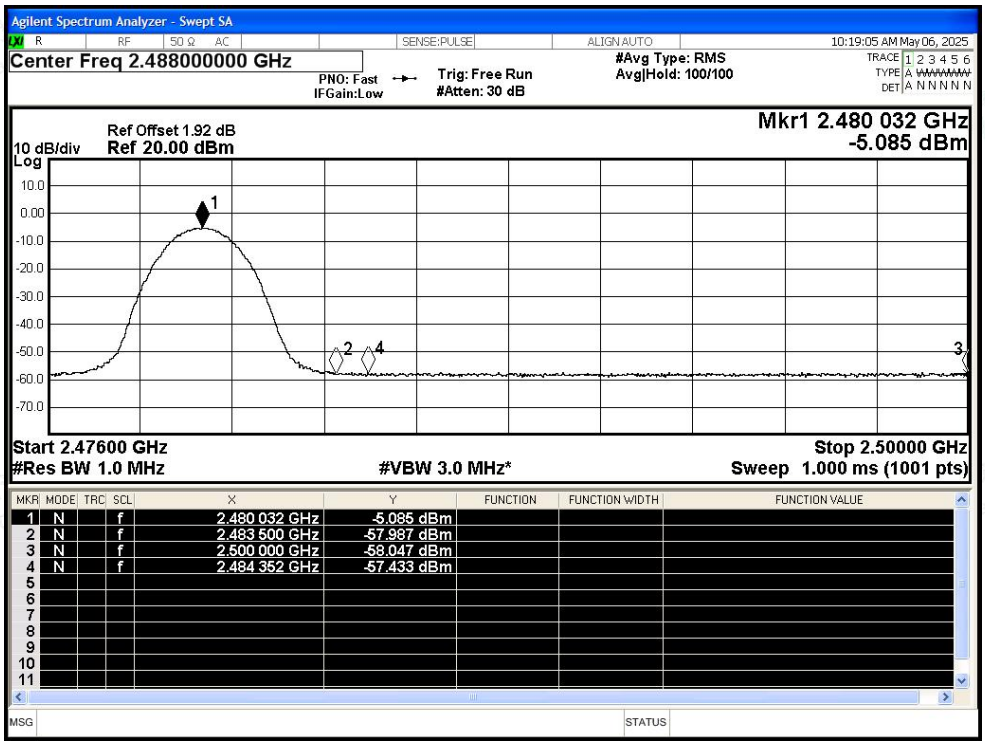
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



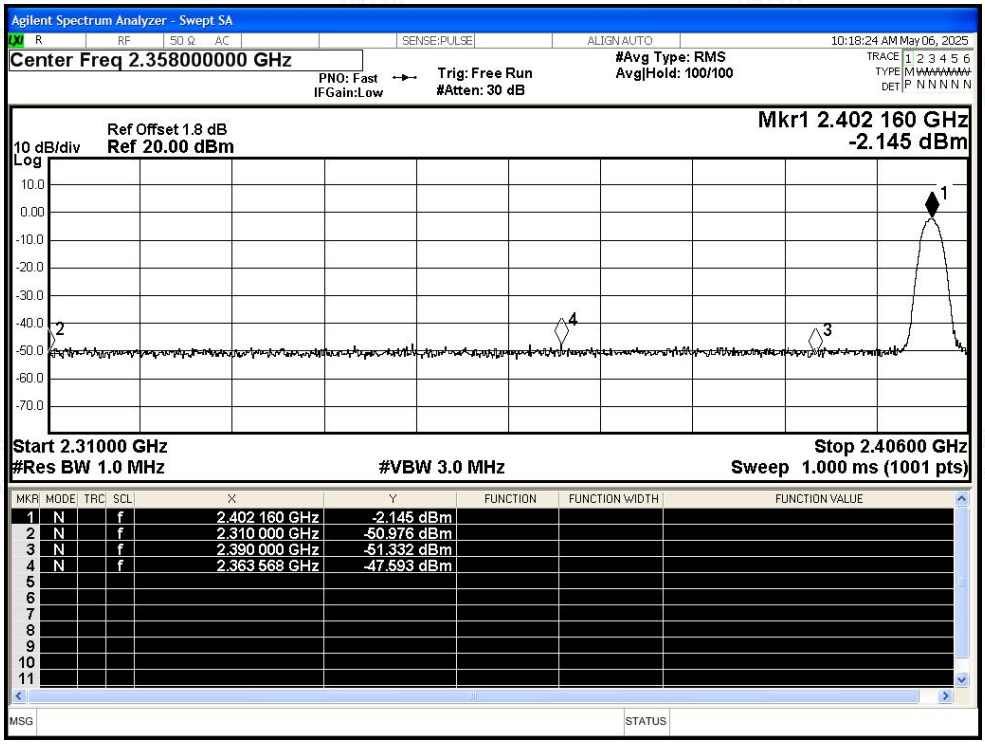
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



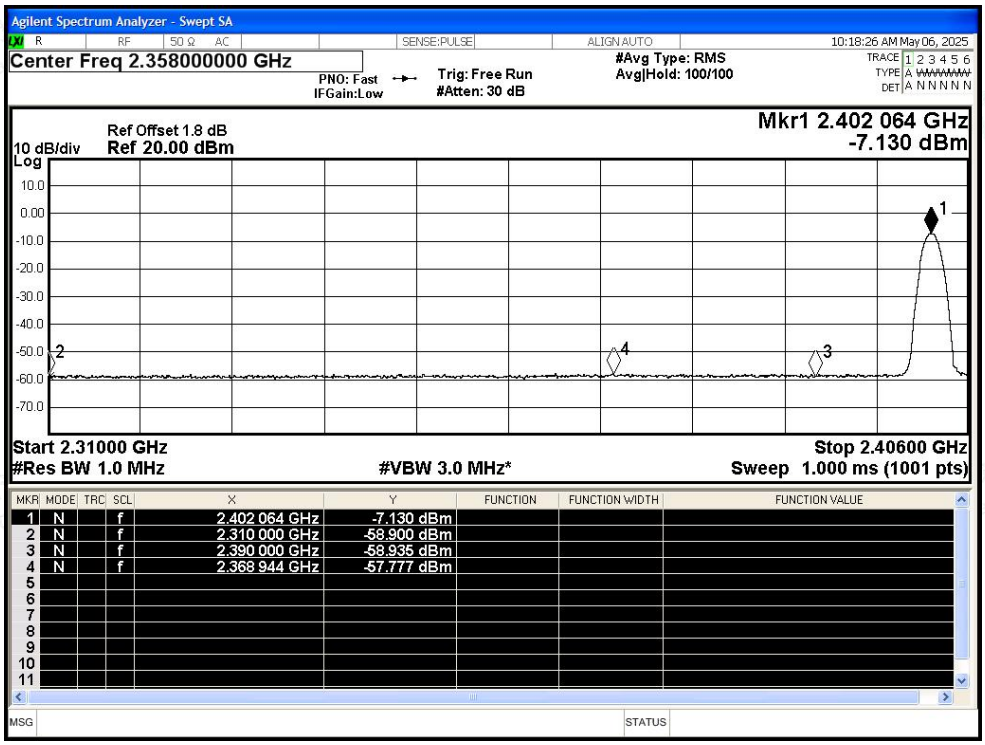
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



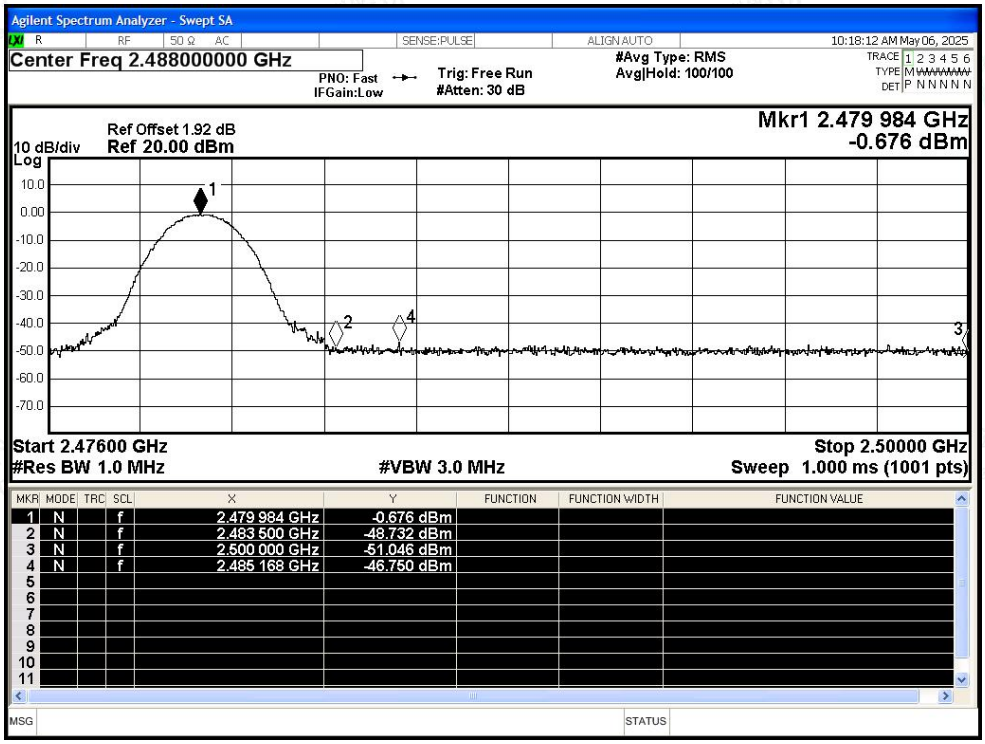
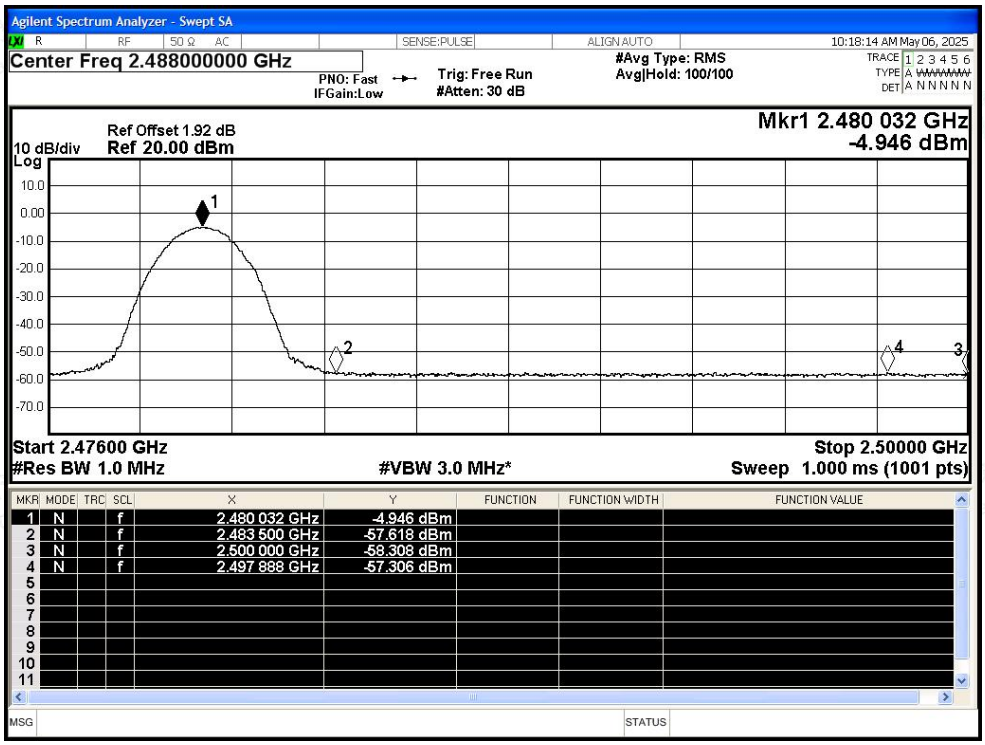
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average