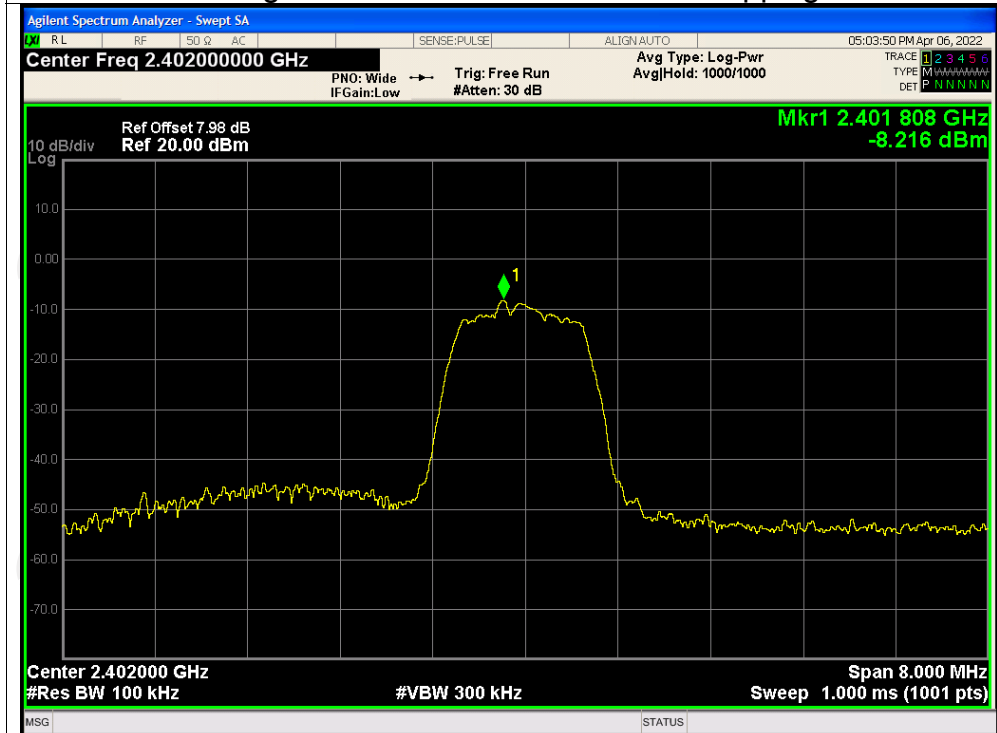
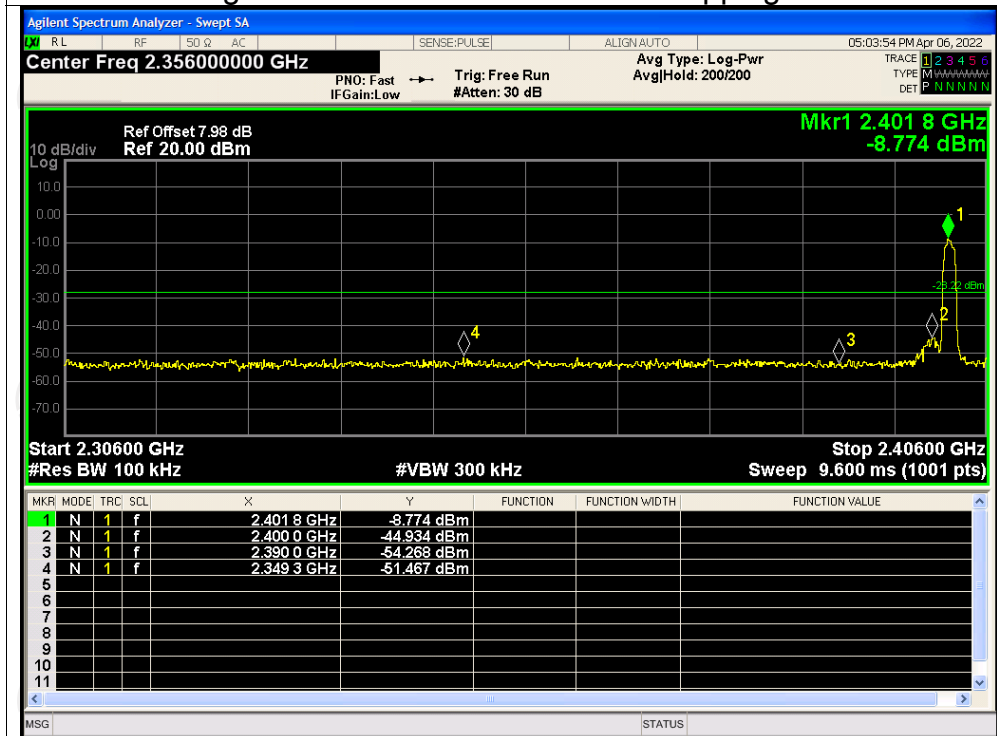


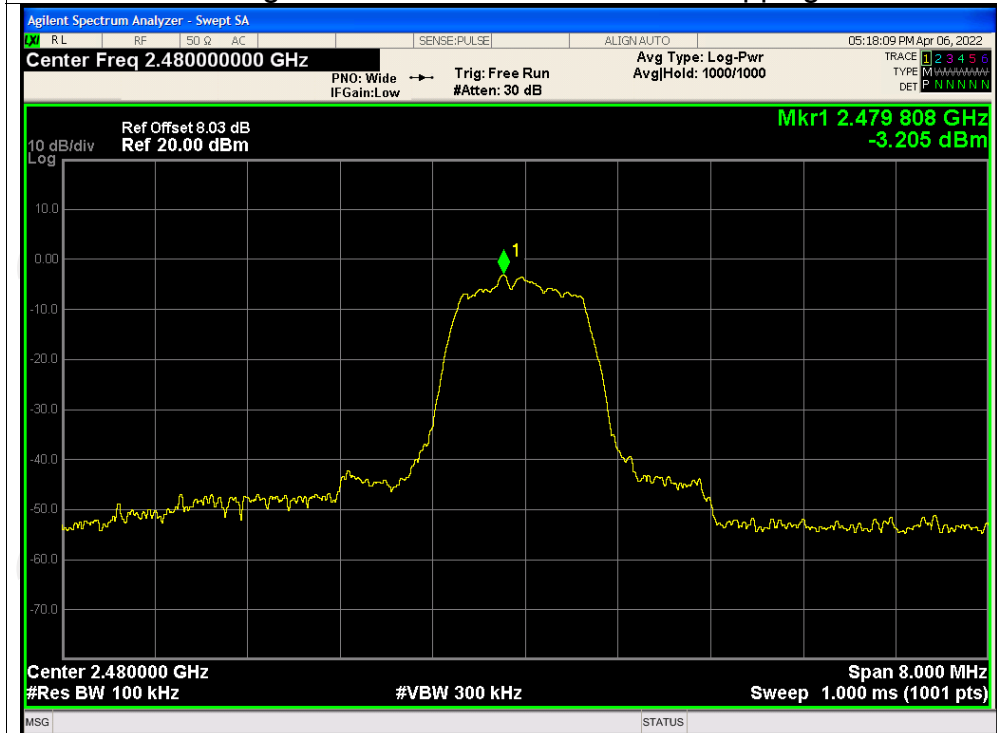
Band Edge NVNT 2-DH1 2402MHz No-Hopping Ref



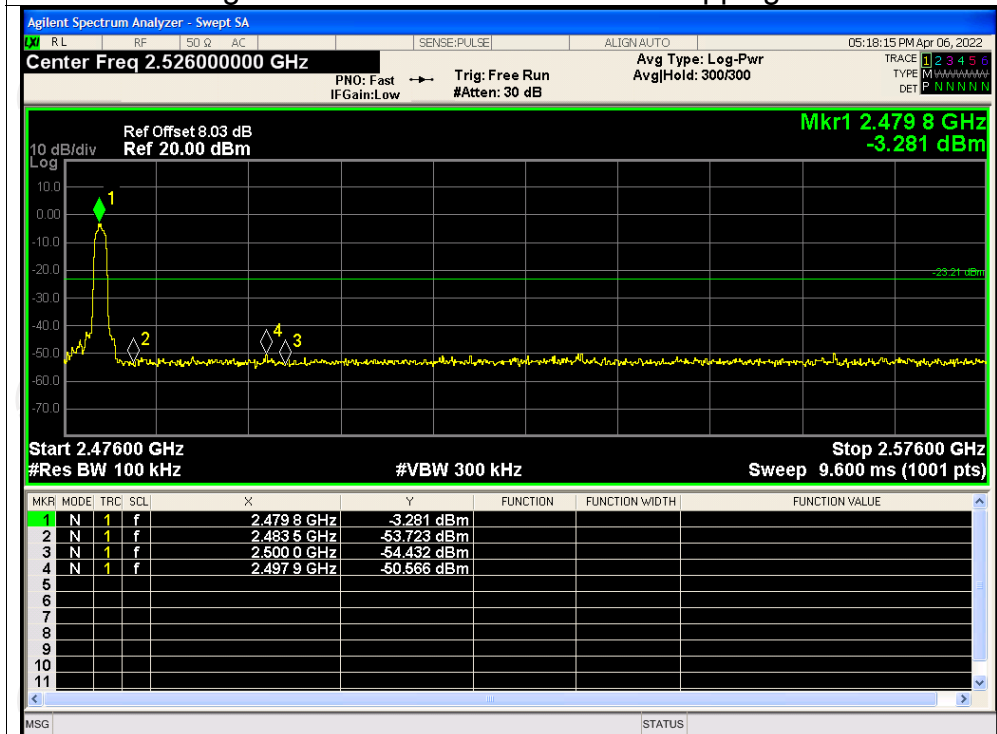
Band Edge NVNT 2-DH1 2402MHz No-Hopping Emission



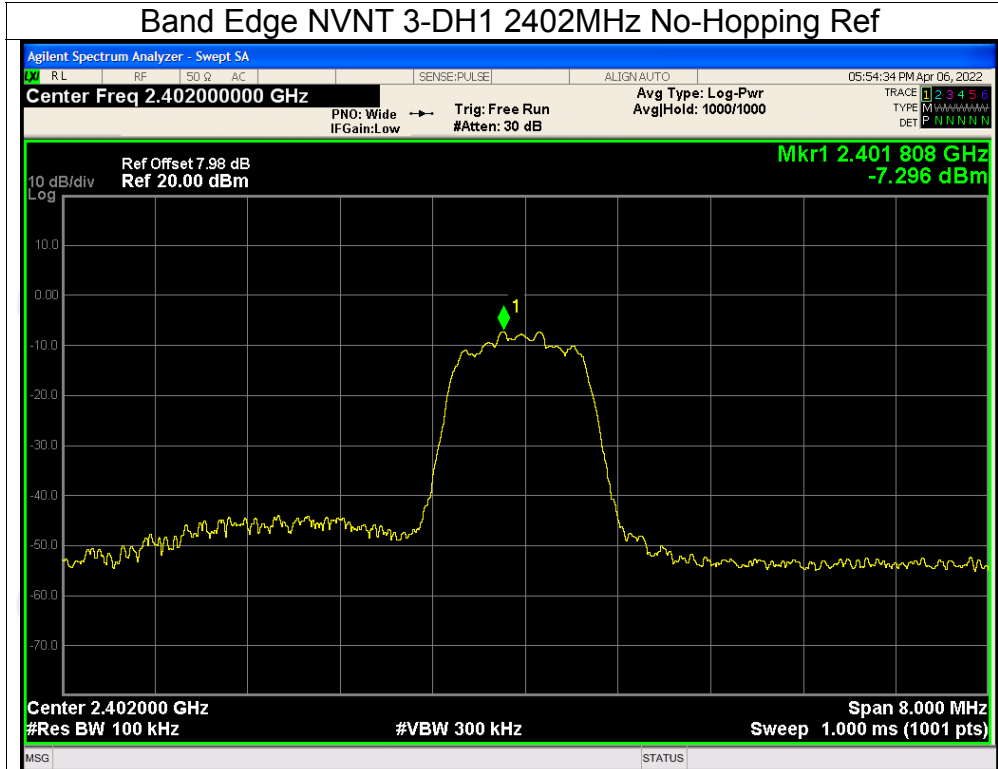
Band Edge NVNT 2-DH1 2480MHz No-Hopping Ref



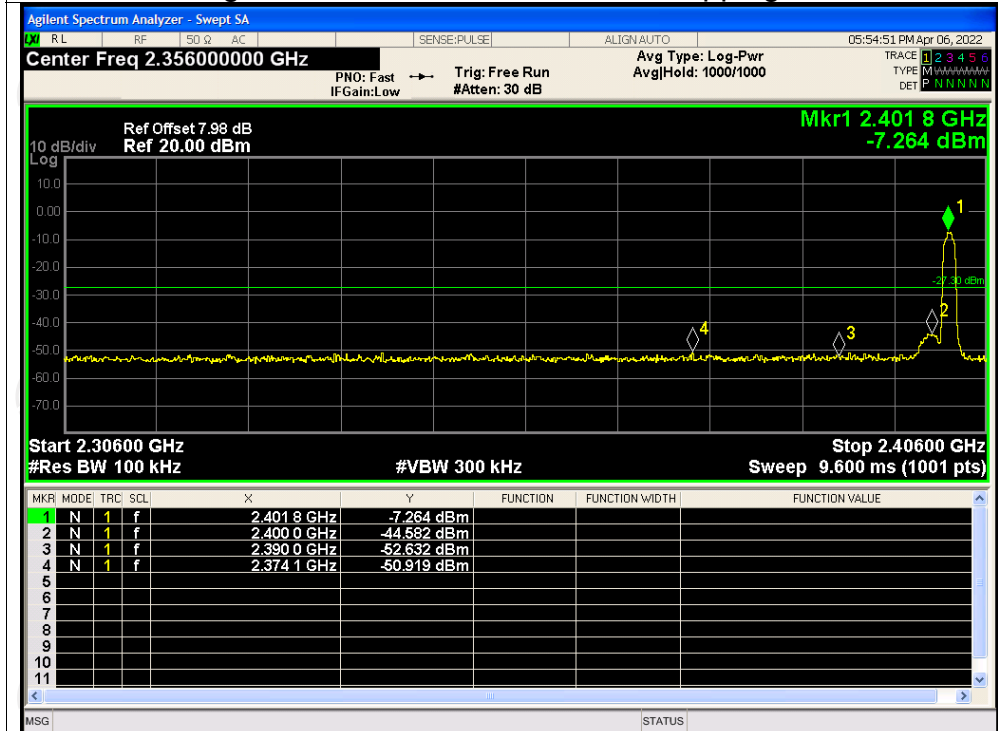
Band Edge NVNT 2-DH1 2480MHz No-Hopping Emission



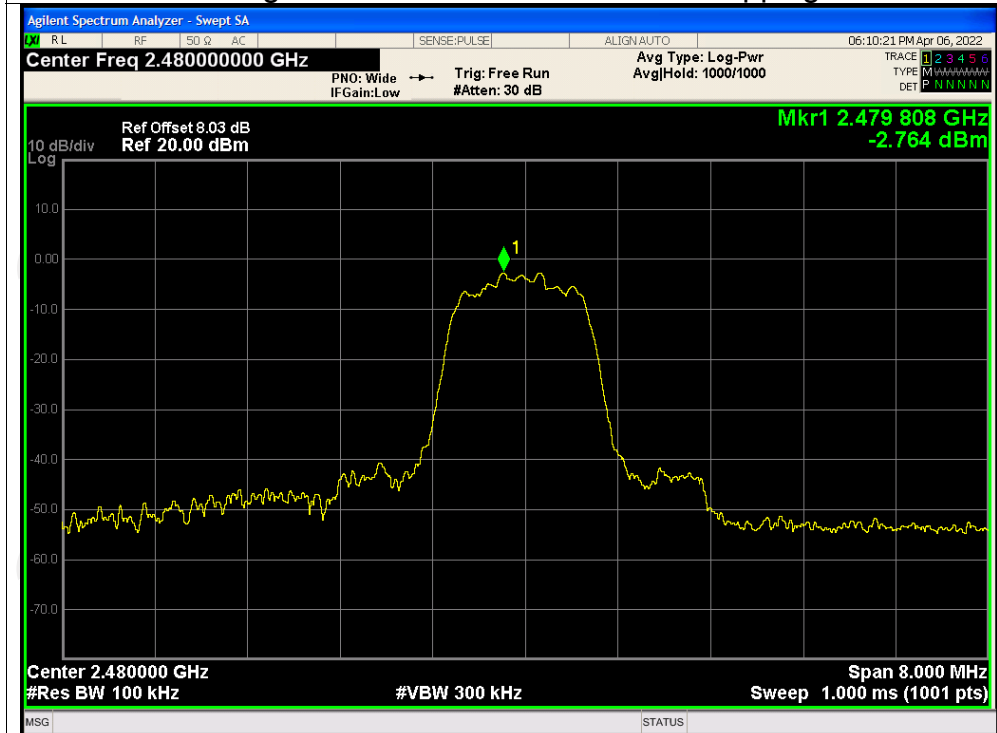
Band Edge NVNT 3-DH1 2402MHz No-Hopping Ref



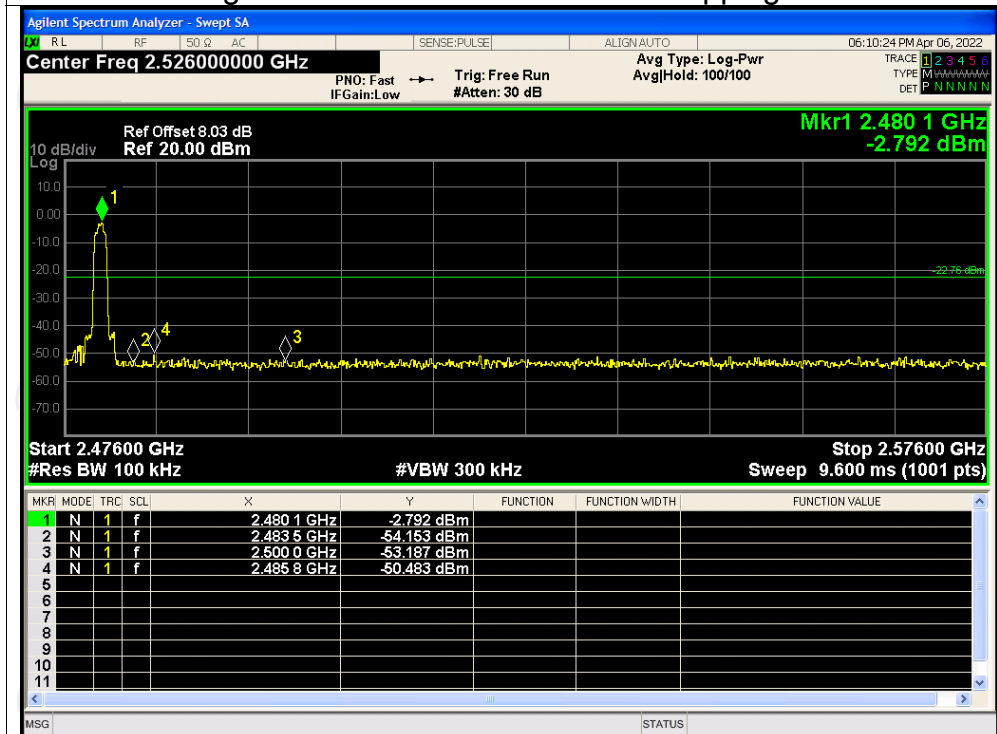
Band Edge NVNT 3-DH1 2402MHz No-Hopping Emission



Band Edge NVNT 3-DH1 2480MHz No-Hopping Ref



Band Edge NVNT 3-DH1 2480MHz No-Hopping Emission

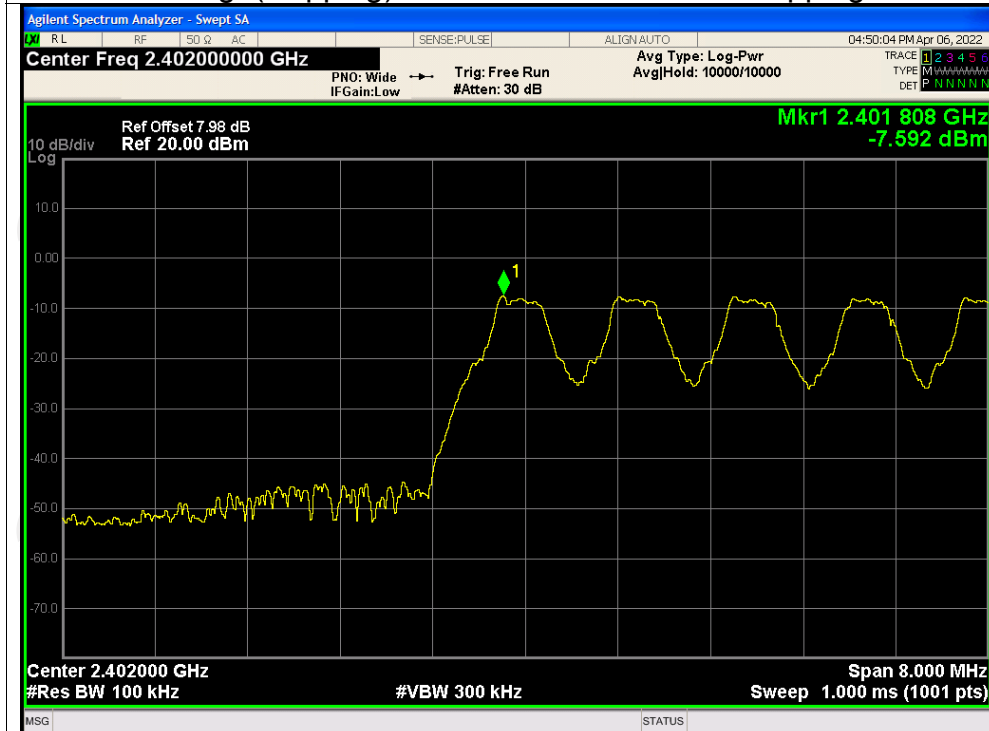


Band Edge(Hopping)

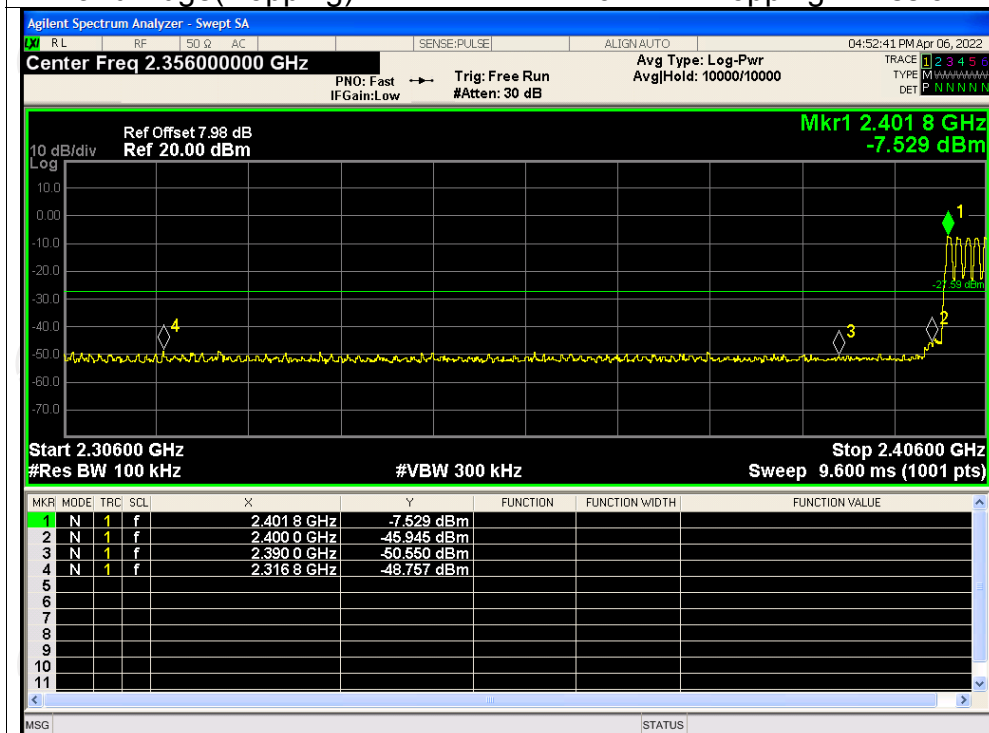
Condition	Mode	Frequency (MHz)	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	Hopping	-41.16	-20	Pass
NVNT	1-DH1	2480	Hopping	-47.15	-20	Pass
NVNT	2-DH1	2402	Hopping	-41	-20	Pass
NVNT	2-DH1	2480	Hopping	-47.07	-20	Pass
NVNT	3-DH1	2402	Hopping	-43.08	-20	Pass
NVNT	3-DH1	2480	Hopping	-47.54	-20	Pass

Test Graphs

Band Edge(Hopping) NVNT 1-DH1 2402MHz Hopping Ref



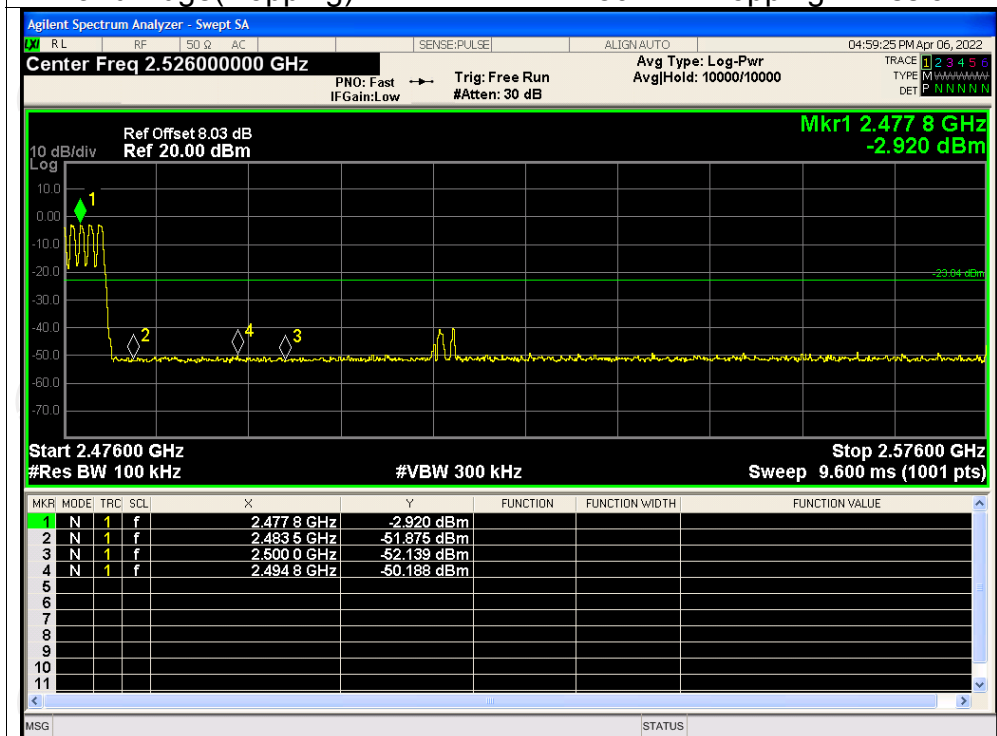
Band Edge(Hopping) NVNT 1-DH1 2402MHz Hopping Emission



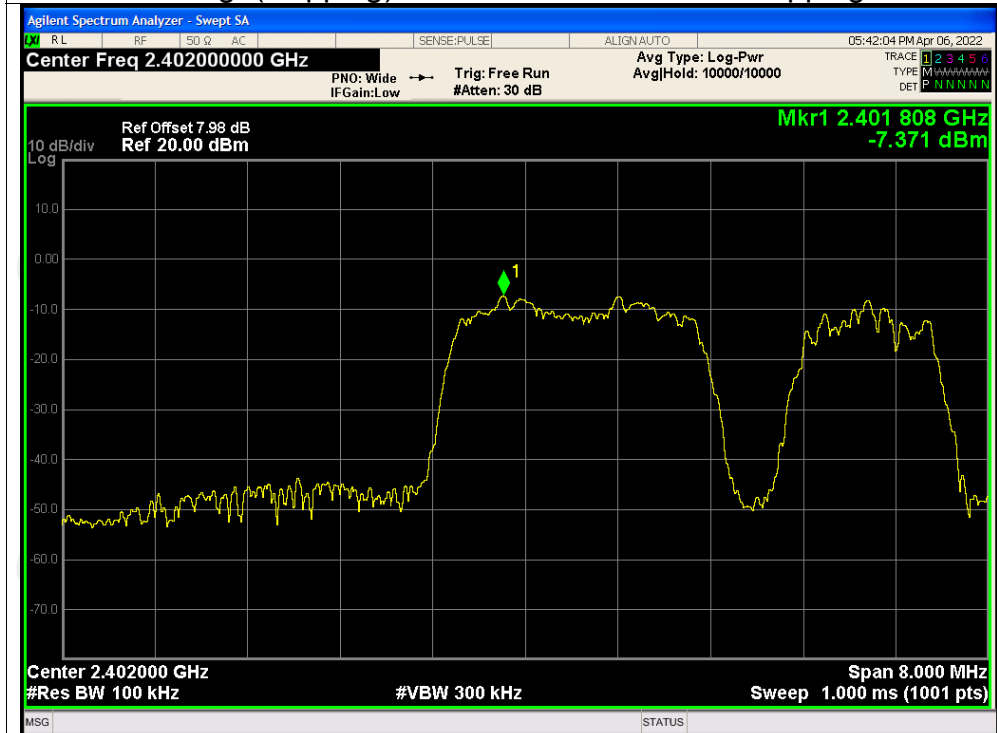
Band Edge(Hopping) NVNT 1-DH1 2480MHz Hopping Ref



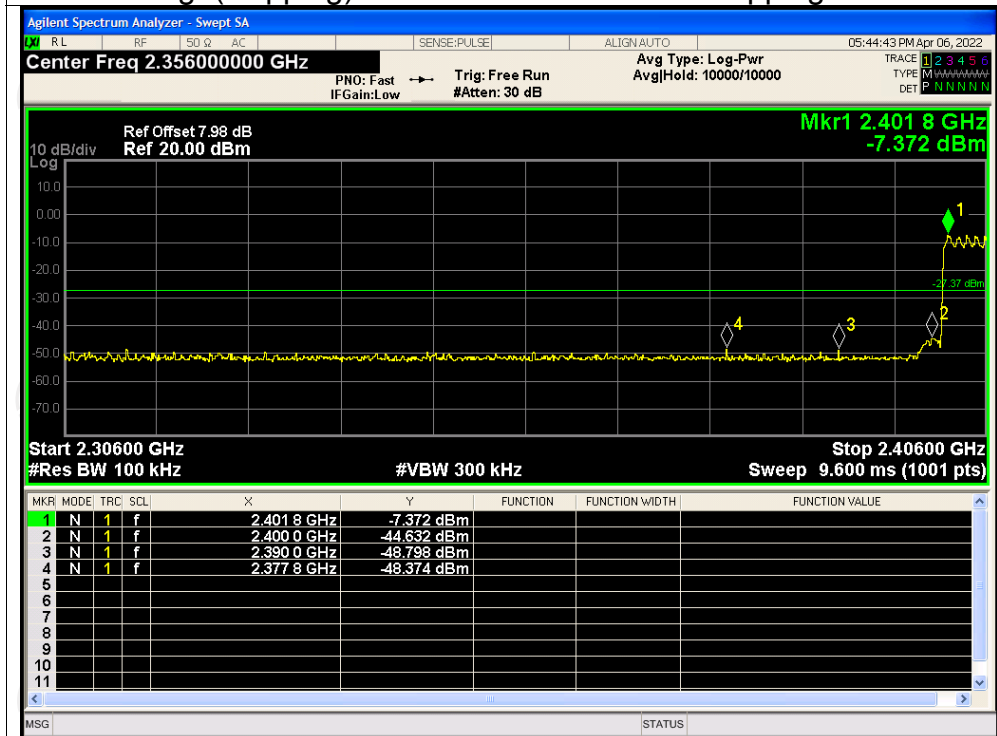
Band Edge(Hopping) NVNT 1-DH1 2480MHz Hopping Emission



Band Edge(Hopping) NVNT 2-DH1 2402MHz Hopping Ref



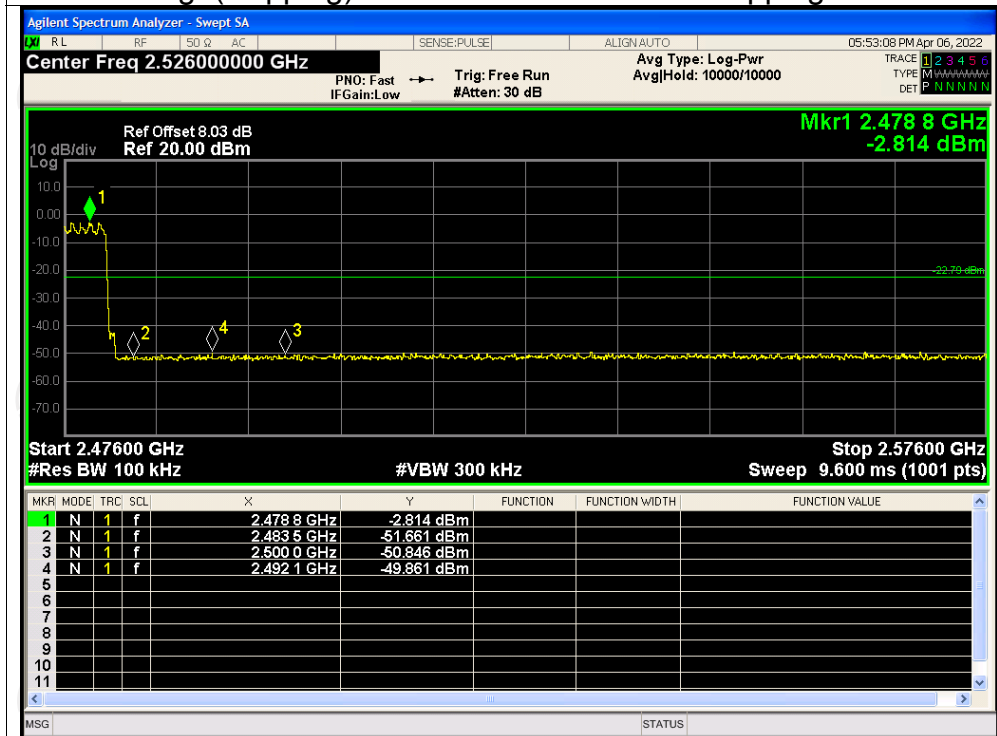
Band Edge(Hopping) NVNT 2-DH1 2402MHz Hopping Emission



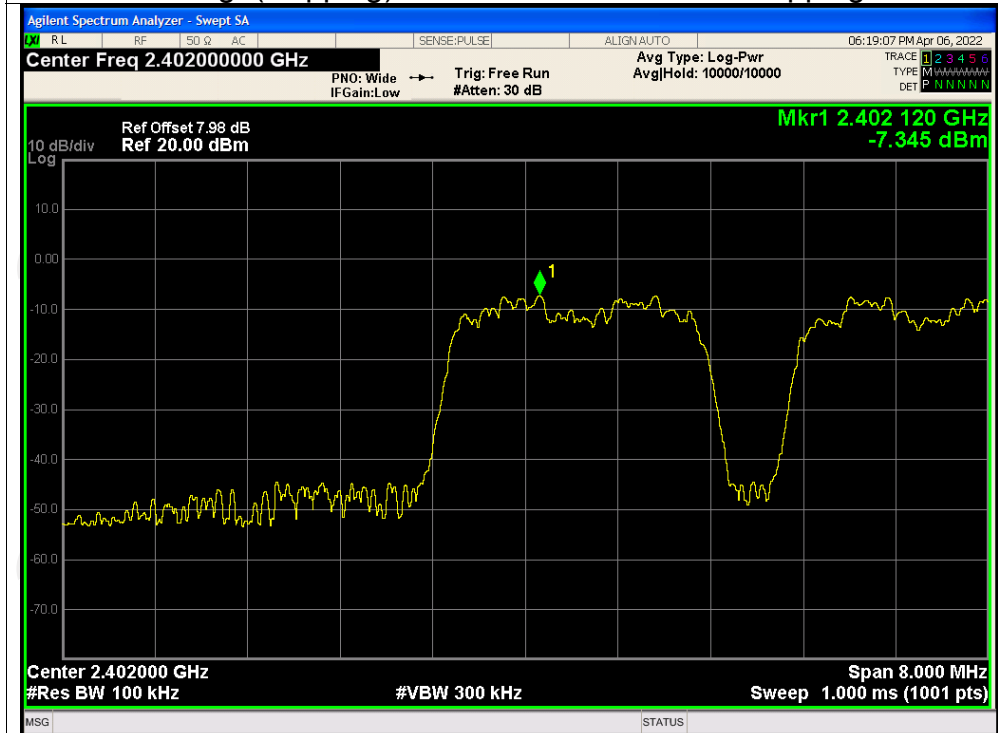
Band Edge(Hopping) NVNT 2-DH1 2480MHz Hopping Ref



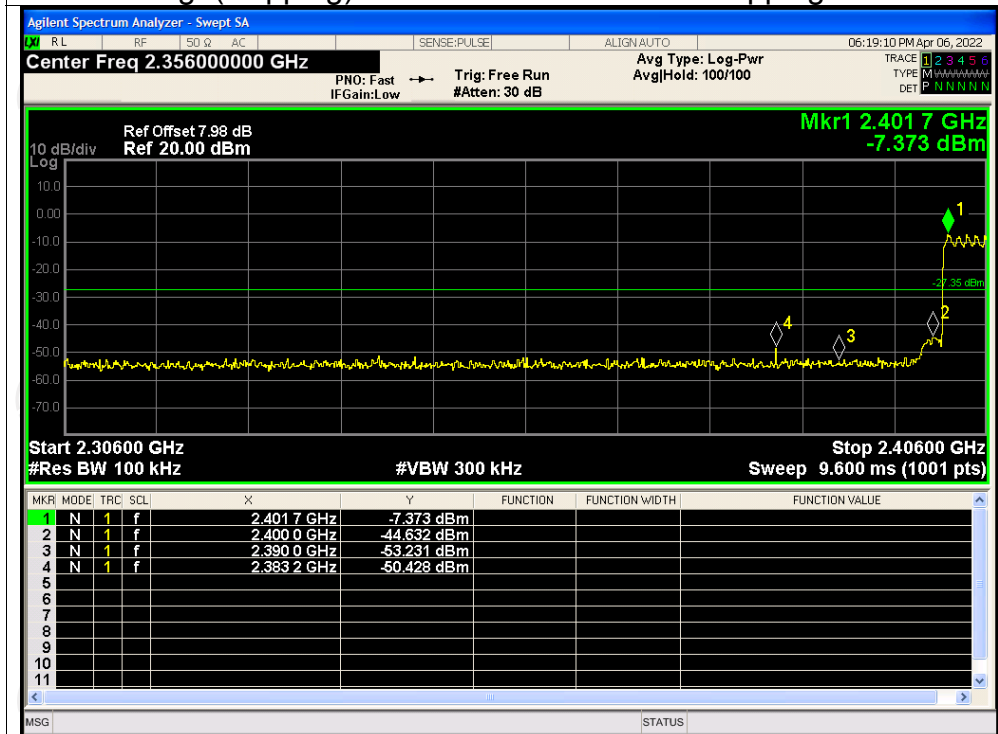
Band Edge(Hopping) NVNT 2-DH1 2480MHz Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2402MHz Hopping Ref



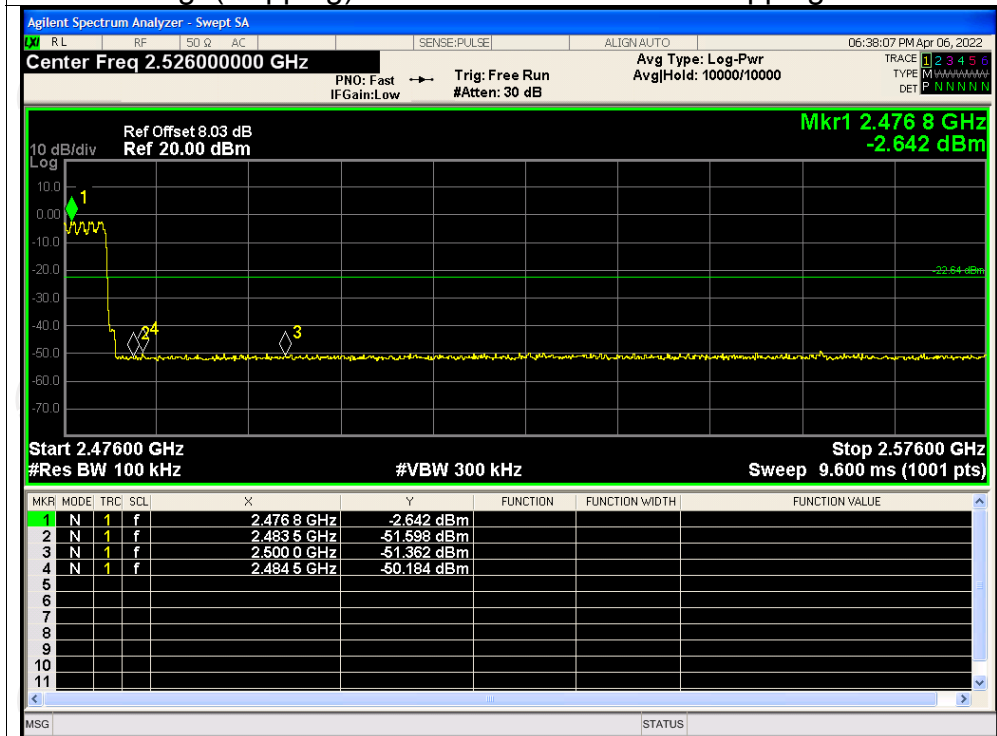
Band Edge(Hopping) NVNT 3-DH1 2402MHz Hopping Emission



Band Edge(Hopping) NVNT 3-DH1 2480MHz Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2480MHz Hopping Emission

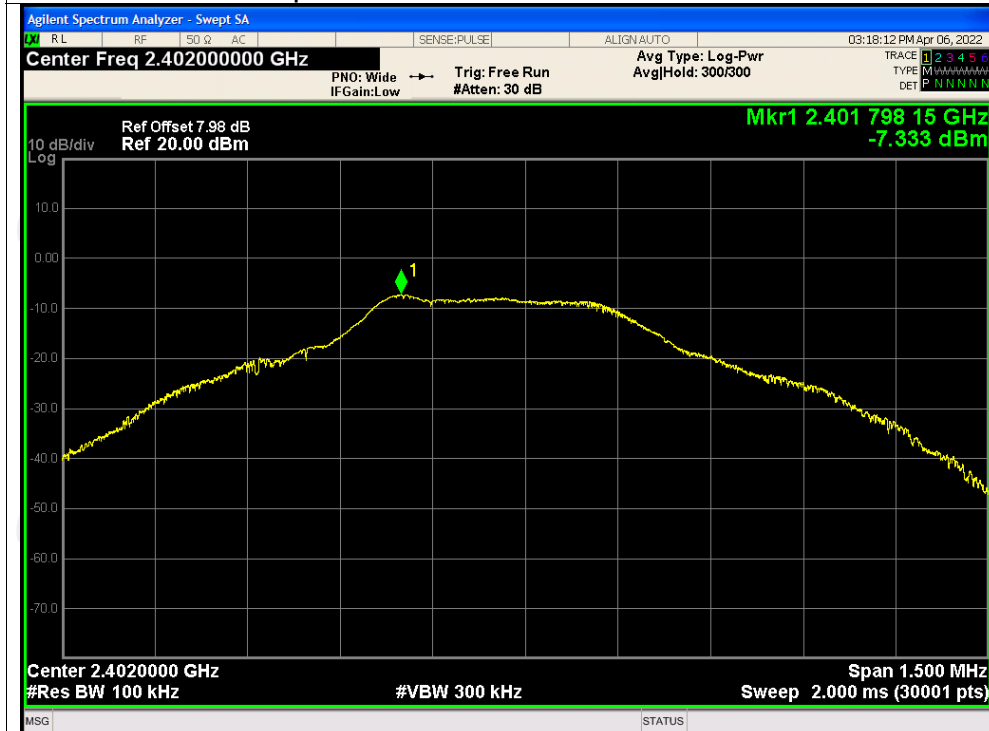


Conducted RF Spurious Emission

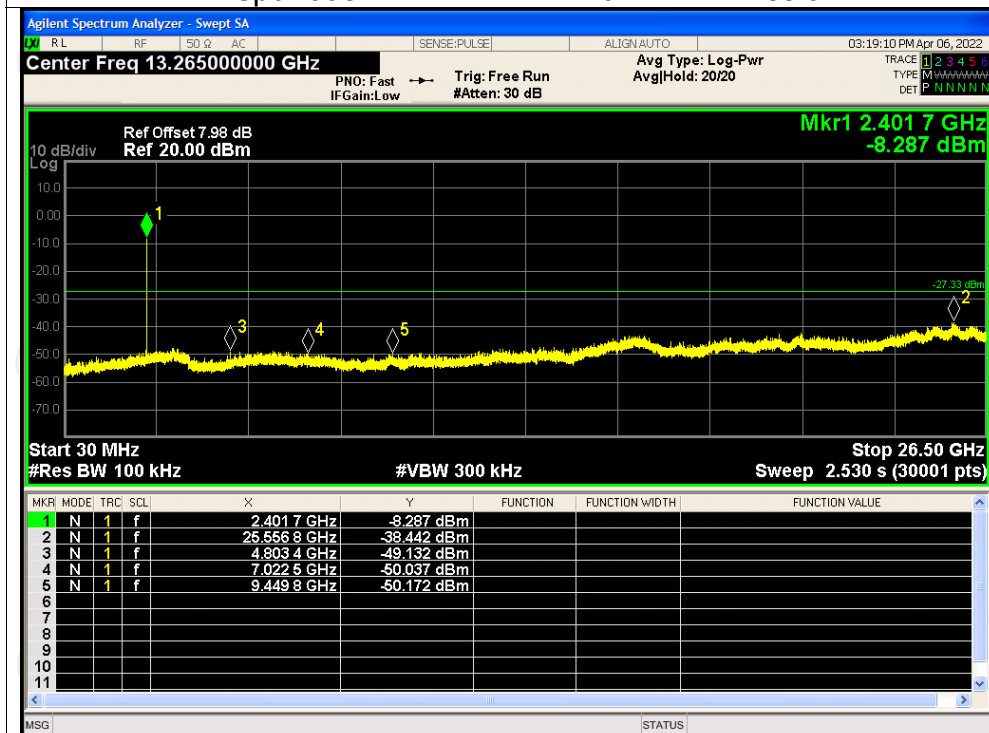
Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH1	2402	-31.11	-20	Pass
NVNT	1-DH1	2441	-32.81	-20	Pass
NVNT	1-DH1	2480	-35.91	-20	Pass
NVNT	2-DH1	2402	-30.35	-20	Pass
NVNT	2-DH1	2441	-33.22	-20	Pass
NVNT	2-DH1	2480	-36.03	-20	Pass
NVNT	3-DH1	2402	-31.03	-20	Pass
NVNT	3-DH1	2441	-33.86	-20	Pass
NVNT	3-DH1	2480	-35.48	-20	Pass

Test Graphs

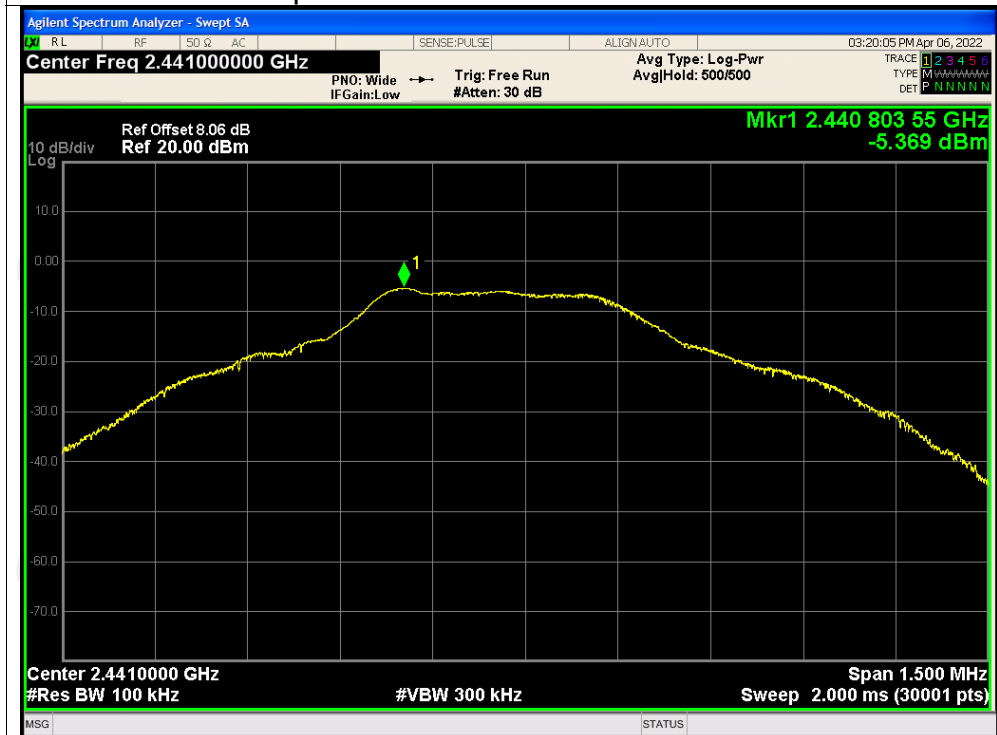
Tx. Spurious NVNT 1-DH1 2402MHz Ref



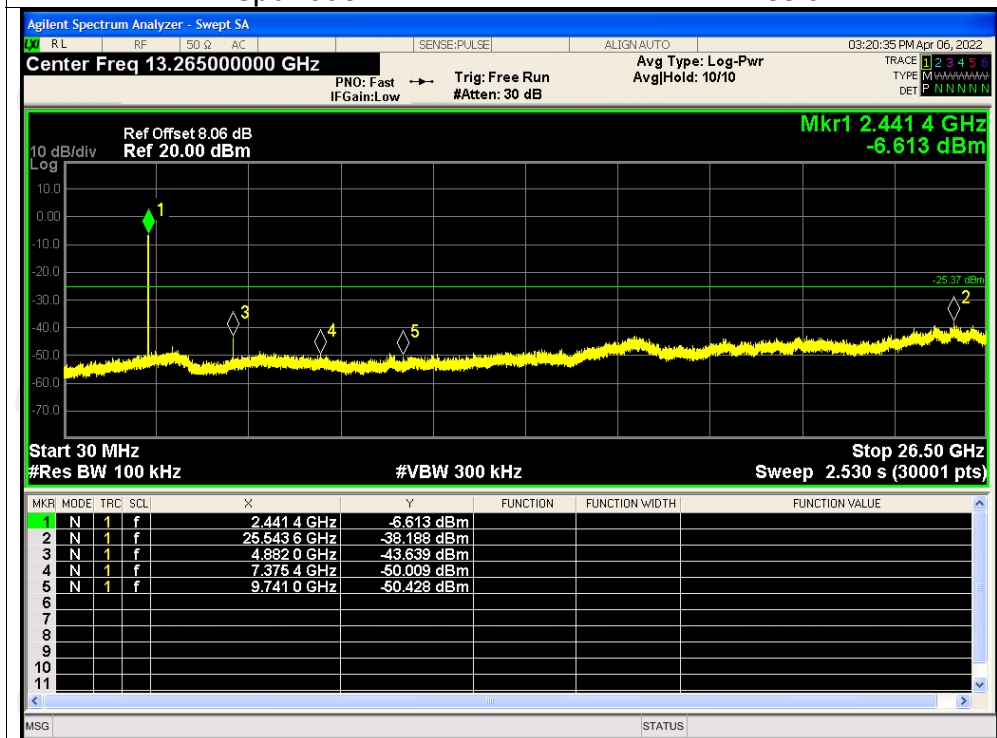
Tx. Spurious NVNT 1-DH1 2402MHz Emission



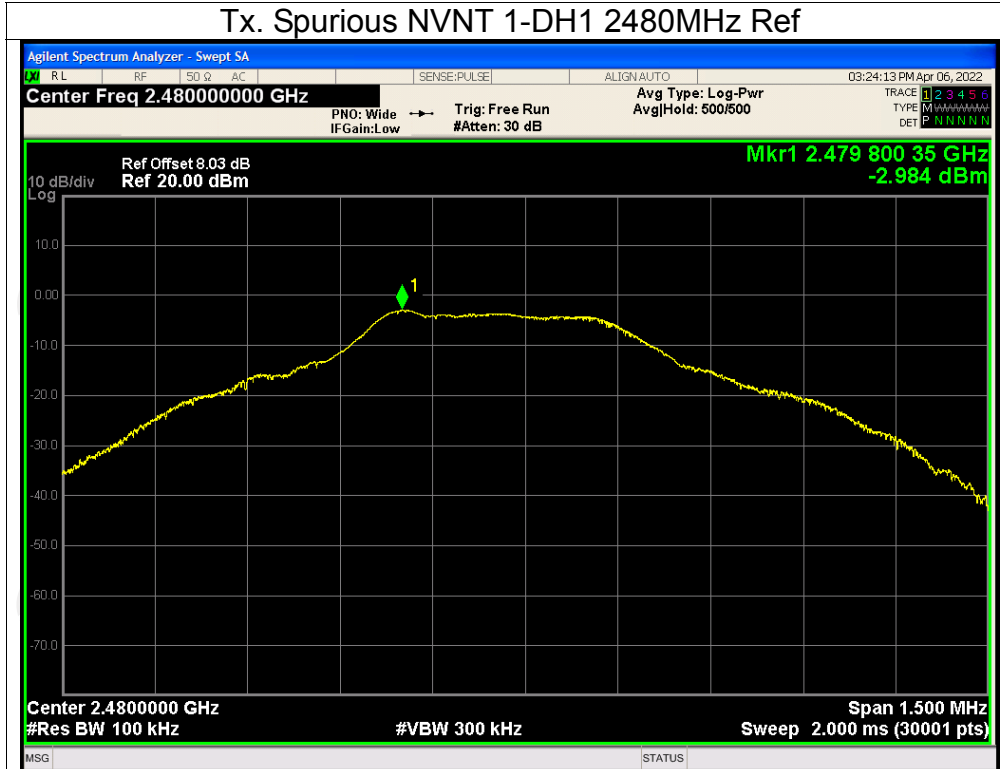
Tx. Spurious NVNT 1-DH1 2441MHz Ref



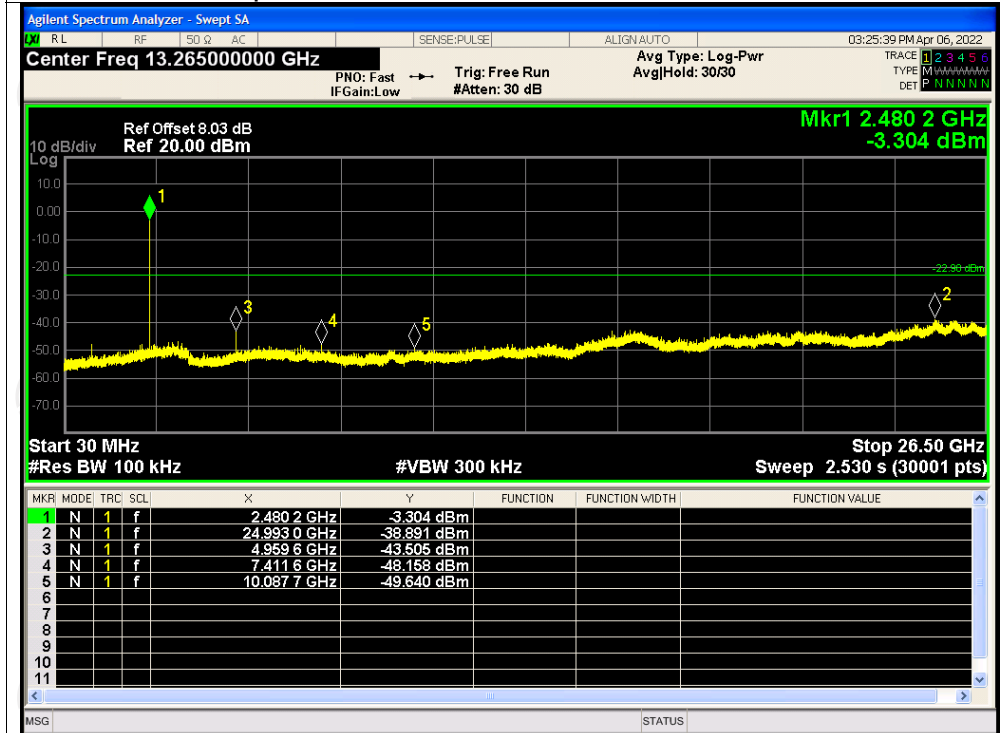
Tx. Spurious NVNT 1-DH1 2441MHz Emission



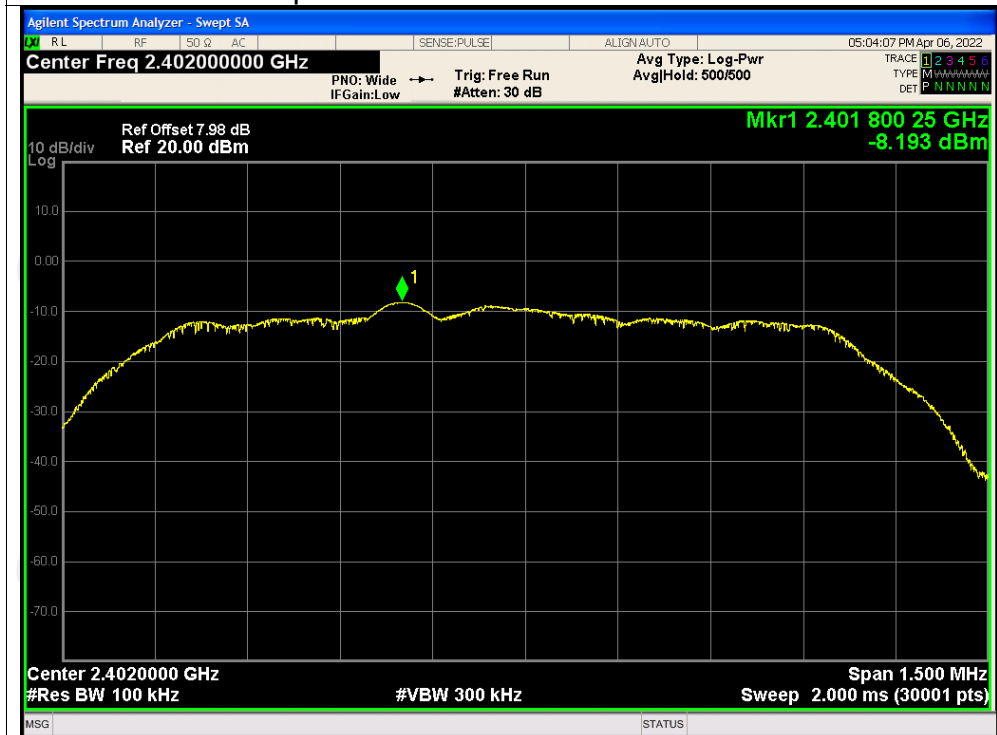
Tx. Spurious NVNT 1-DH1 2480MHz Ref



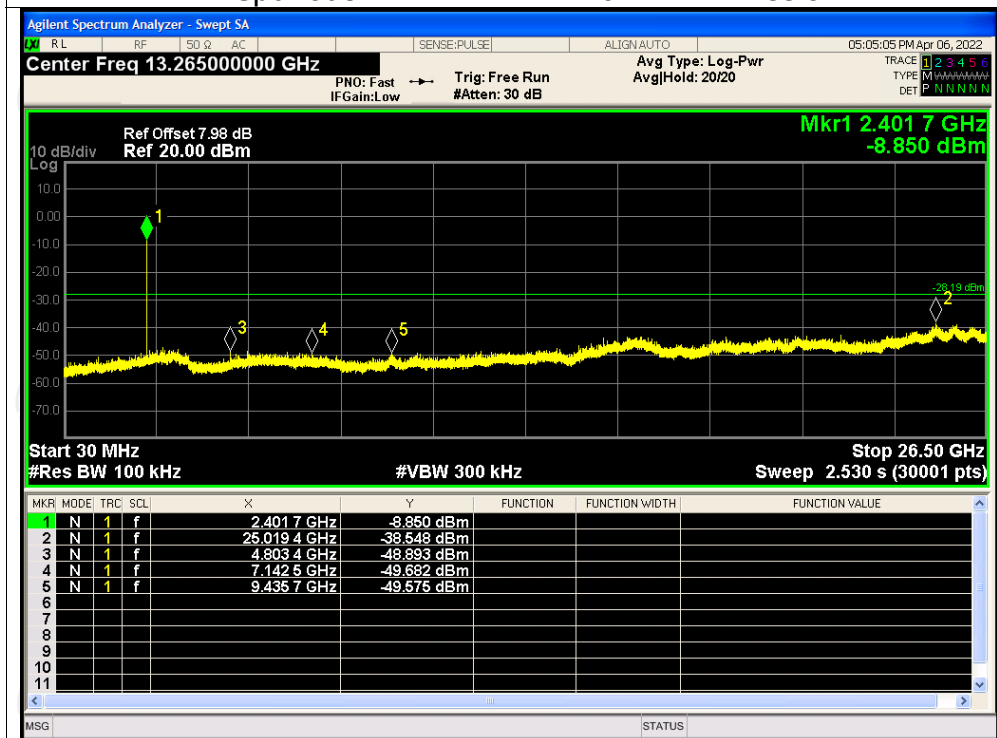
Tx. Spurious NVNT 1-DH1 2480MHz Emission



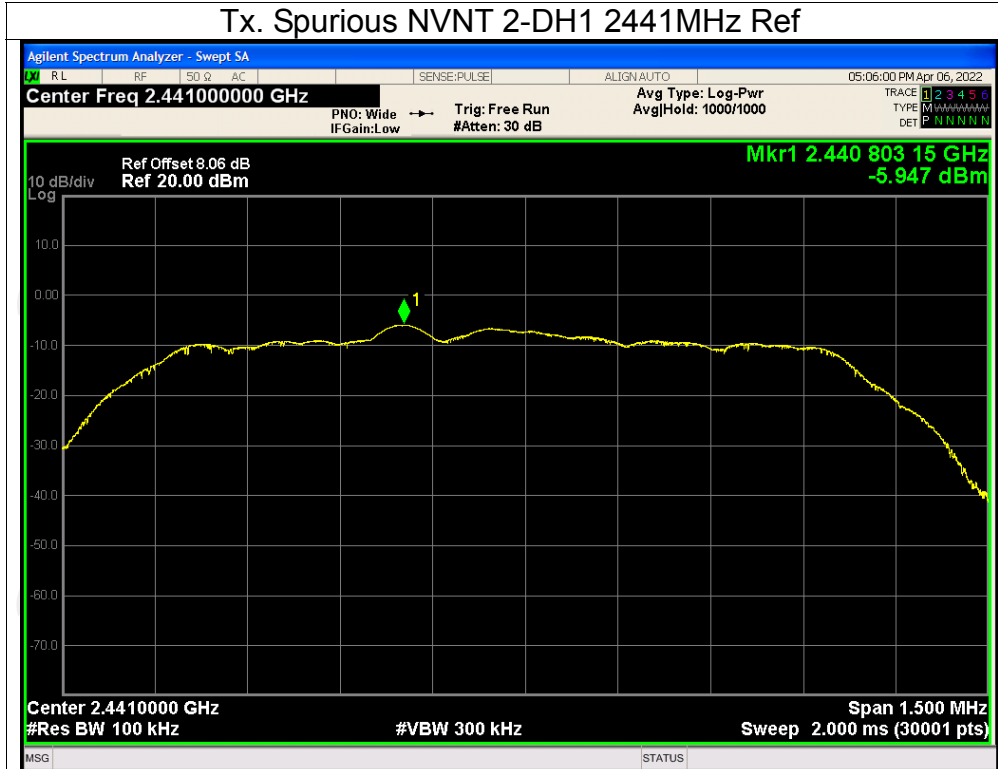
Tx. Spurious NVNT 2-DH1 2402MHz Ref



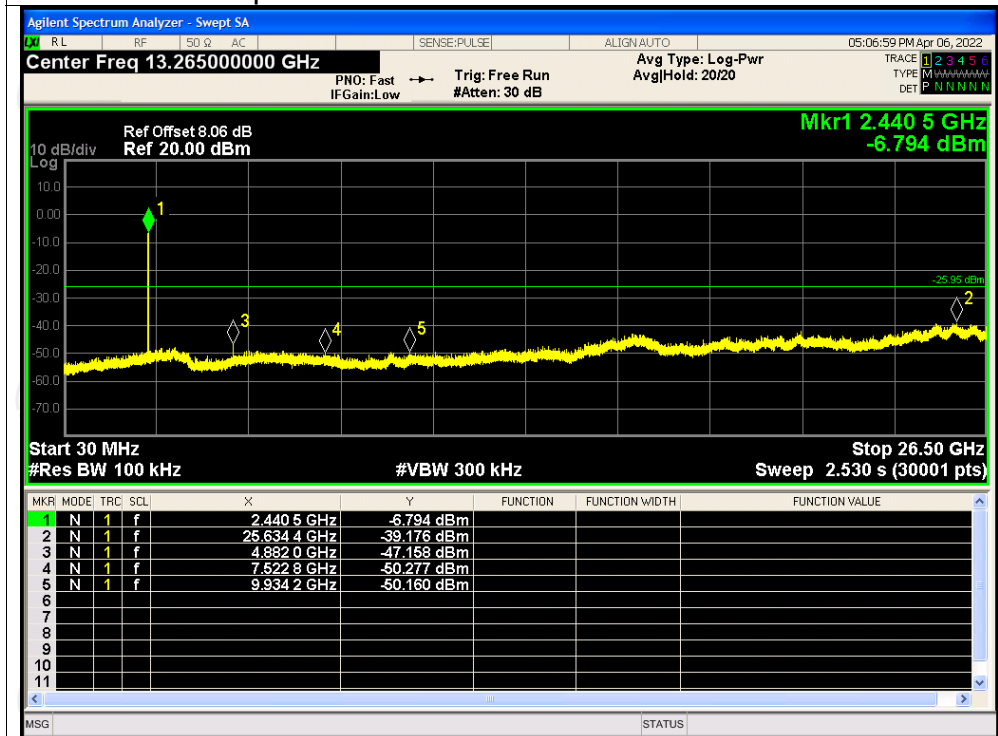
Tx. Spurious NVNT 2-DH1 2402MHz Emission



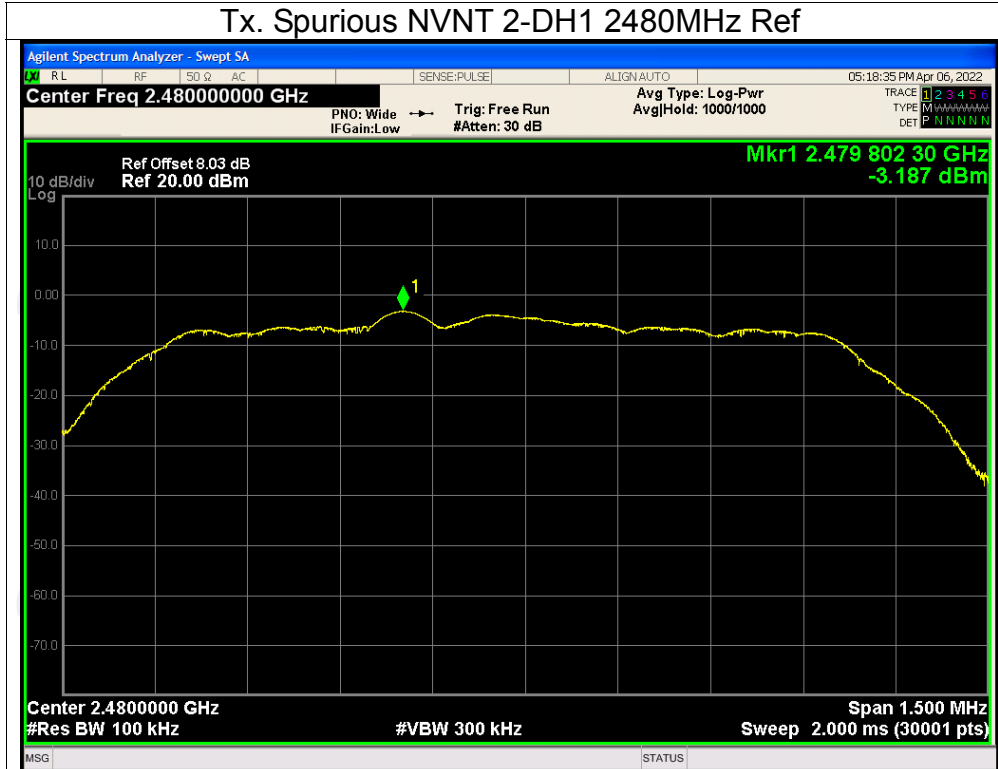
Tx. Spurious NVNT 2-DH1 2441MHz Ref



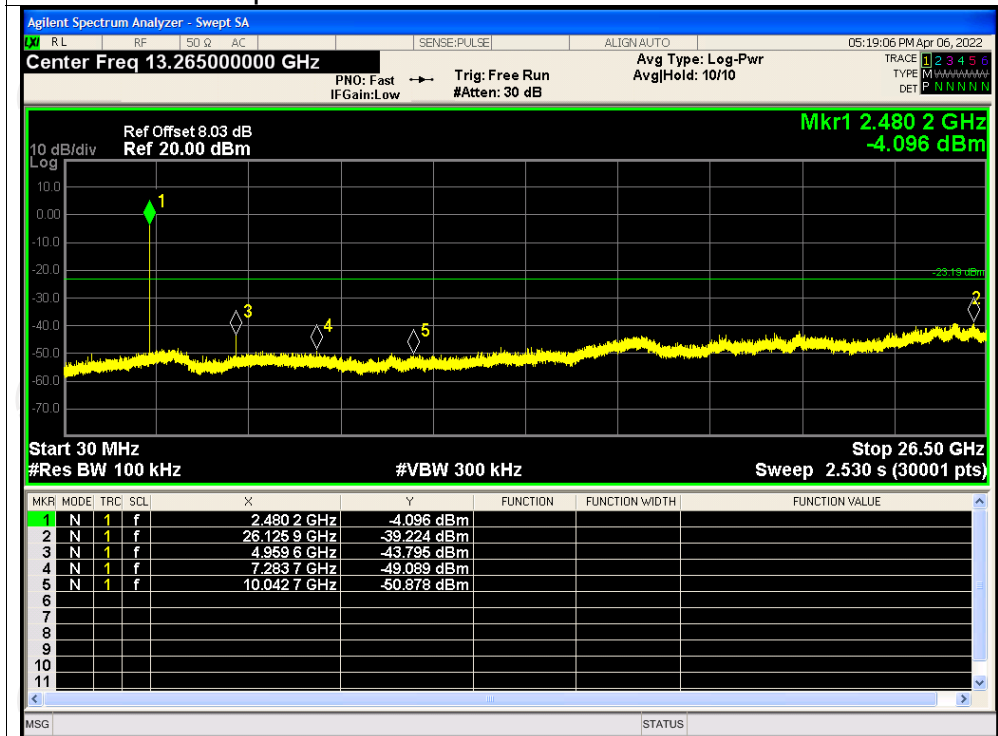
Tx. Spurious NVNT 2-DH1 2441MHz Emission



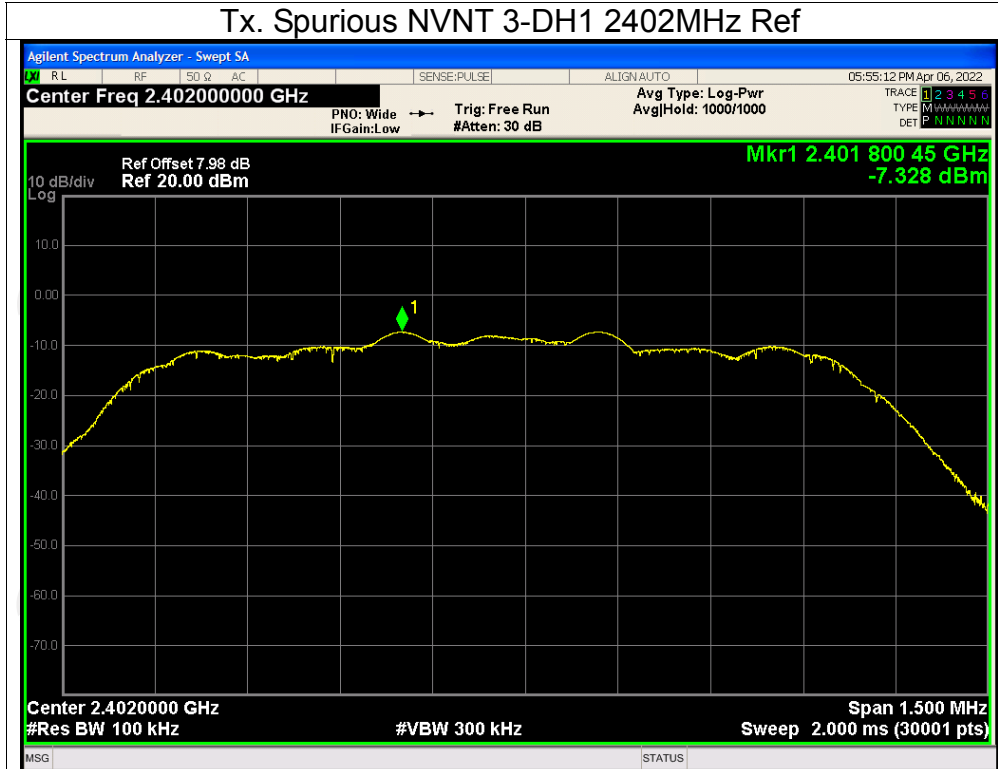
Tx. Spurious NVNT 2-DH1 2480MHz Ref



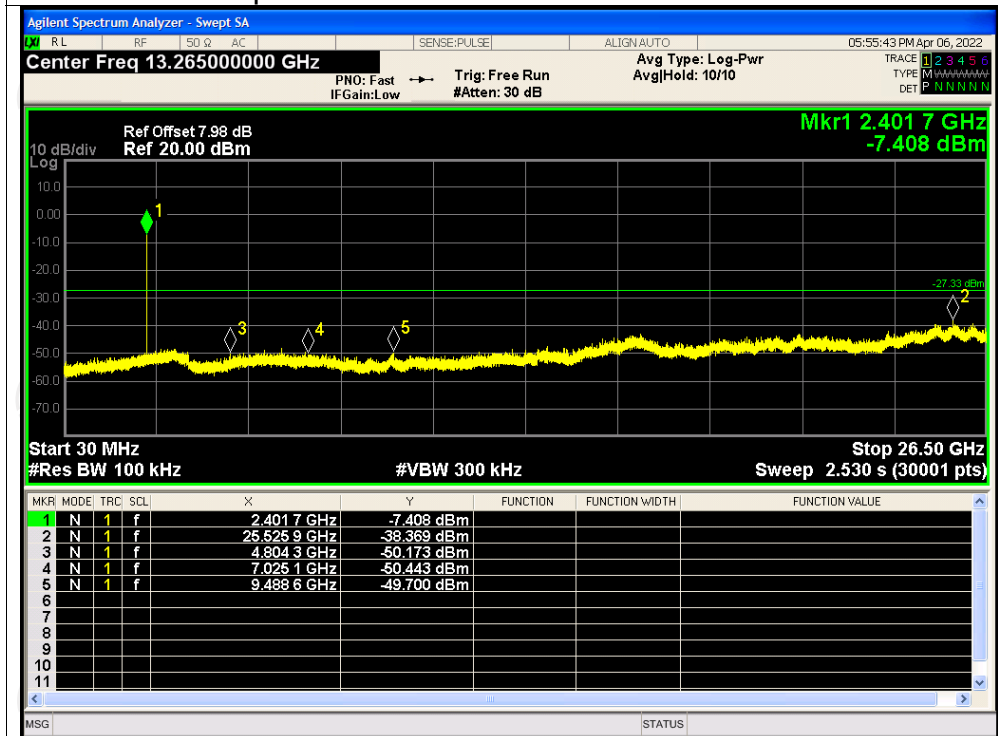
Tx. Spurious NVNT 2-DH1 2480MHz Emission



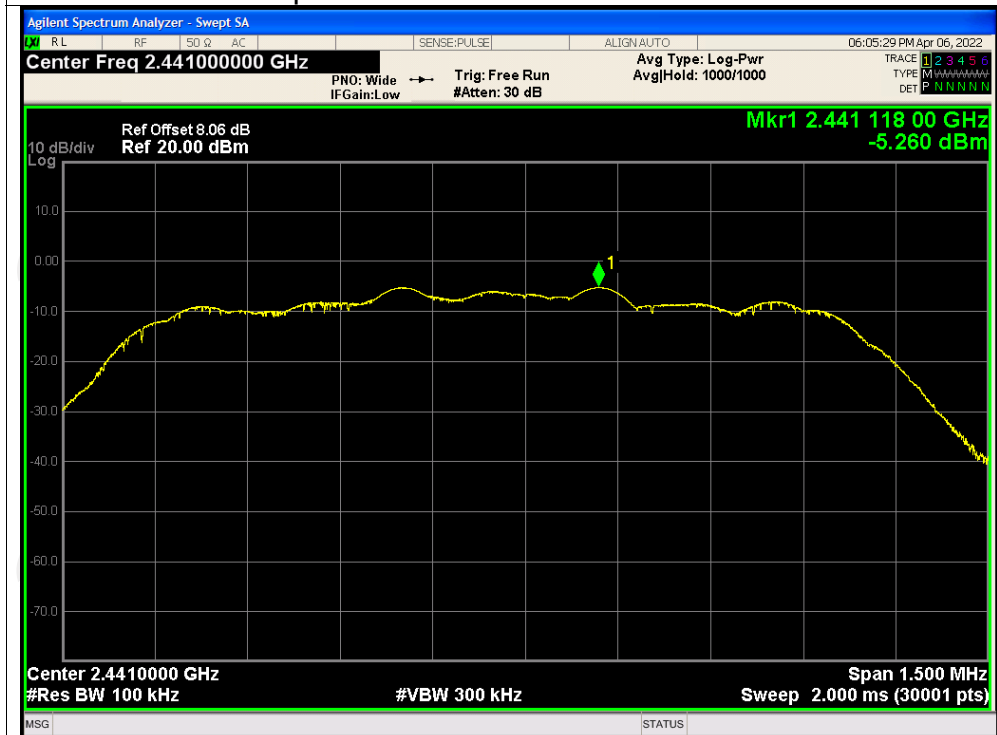
Tx. Spurious NVNT 3-DH1 2402MHz Ref



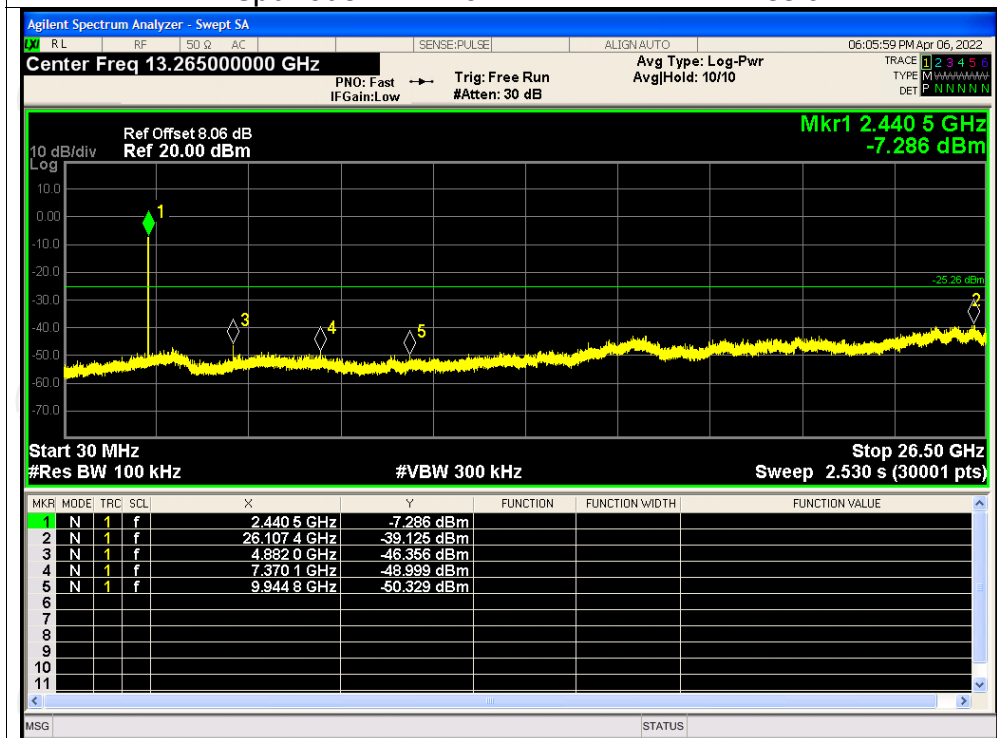
Tx. Spurious NVNT 3-DH1 2402MHz Emission



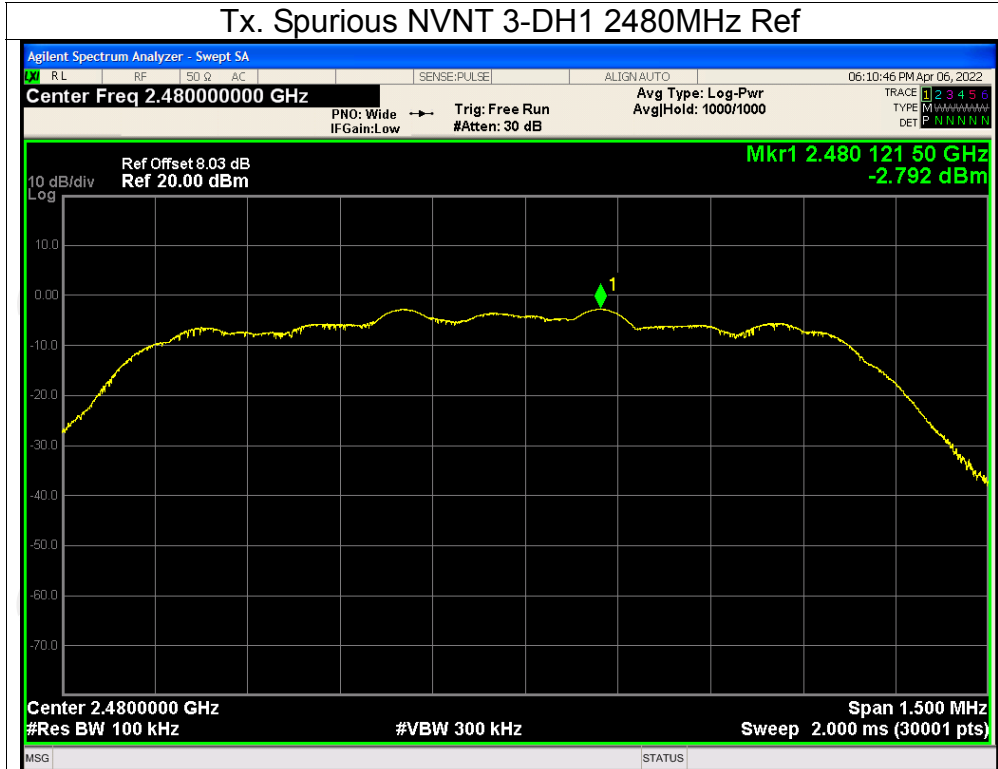
Tx. Spurious NVNT 3-DH1 2441MHz Ref



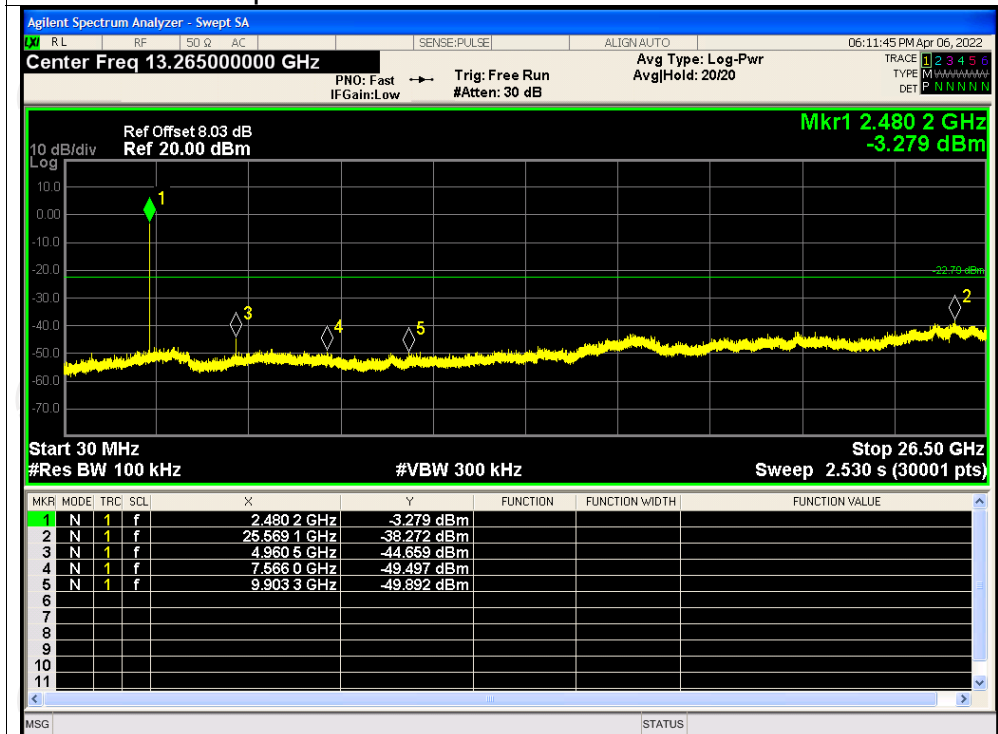
Tx. Spurious NVNT 3-DH1 2441MHz Emission



Tx. Spurious NVNT 3-DH1 2480MHz Ref



Tx. Spurious NVNT 3-DH1 2480MHz Emission



Dwell Time

Mode	Packet	Hops Over Occupancy Time (hops)	Package Transfer Time (ms)	Dwell time (second)	Limit (second)	Result
GFSK	DH1	320	0.428	0.137	0.4	PASS
GFSK	DH3	160	1.695	0.271	0.4	PASS
GFSK	DH5	106.67	2.940	0.314	0.4	PASS
Pi/4 DQPSK	2-DH1	320	0.434	0.139	0.4	PASS
Pi/4 DQPSK	2-DH3	160	1.692	0.271	0.4	PASS
Pi/4 DQPSK	2-DH5	106.67	2.936	0.313	0.4	PASS
8DPSK	3-DH1	320	0.433	0.139	0.4	PASS
8DPSK	3-DH3	160	1.686	0.270	0.4	PASS
8DPSK	3-DH5	106.67	2.940	0.314	0.4	PASS

Note: 1. In normal mode, hopping rate is 1600 hops/s with 6 slots in 79 hopping channels.

For DH1, With channel hopping rate $(1600 / 2 / 79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 2 / 79) \times (0.4 \times 79) = 320$ hops

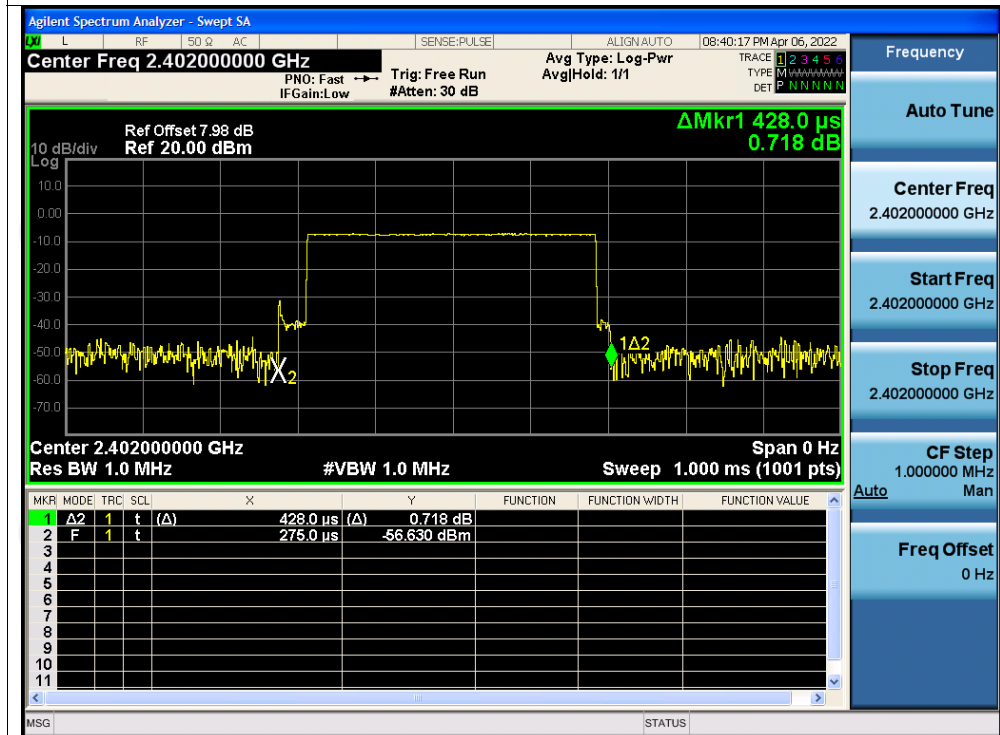
For DH3, With channel hopping rate $(1600 / 4 / 79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 4 / 79) \times (0.4 \times 79) = 160$ hops

For DH5, With channel hopping rate $(1600 / 6 / 79)$ in Occupancy Time Limit (0.4×79) (s), Hops Over Occupancy Time comes to $(1600 / 6 / 79) \times (0.4 \times 79) = 106.67$ hops

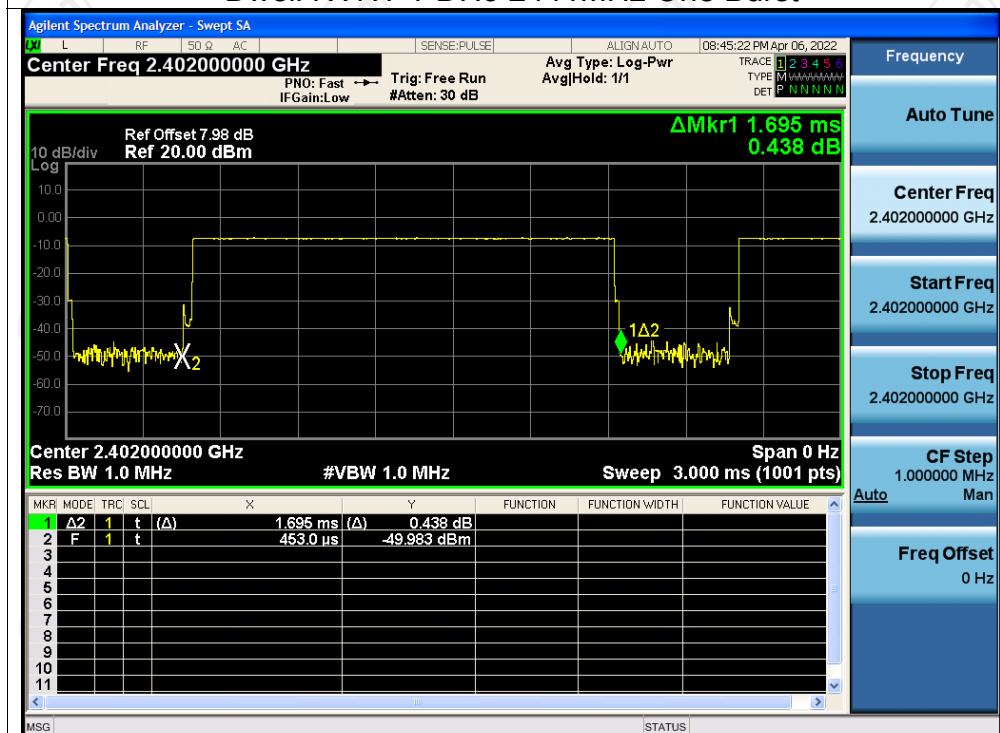
2. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

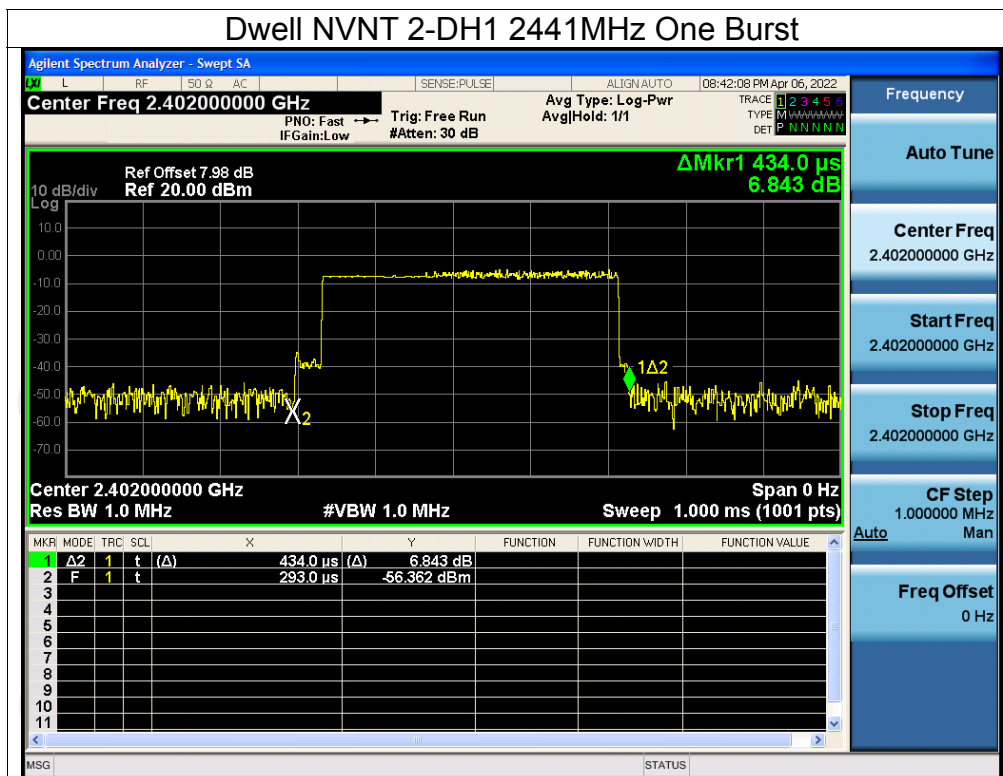
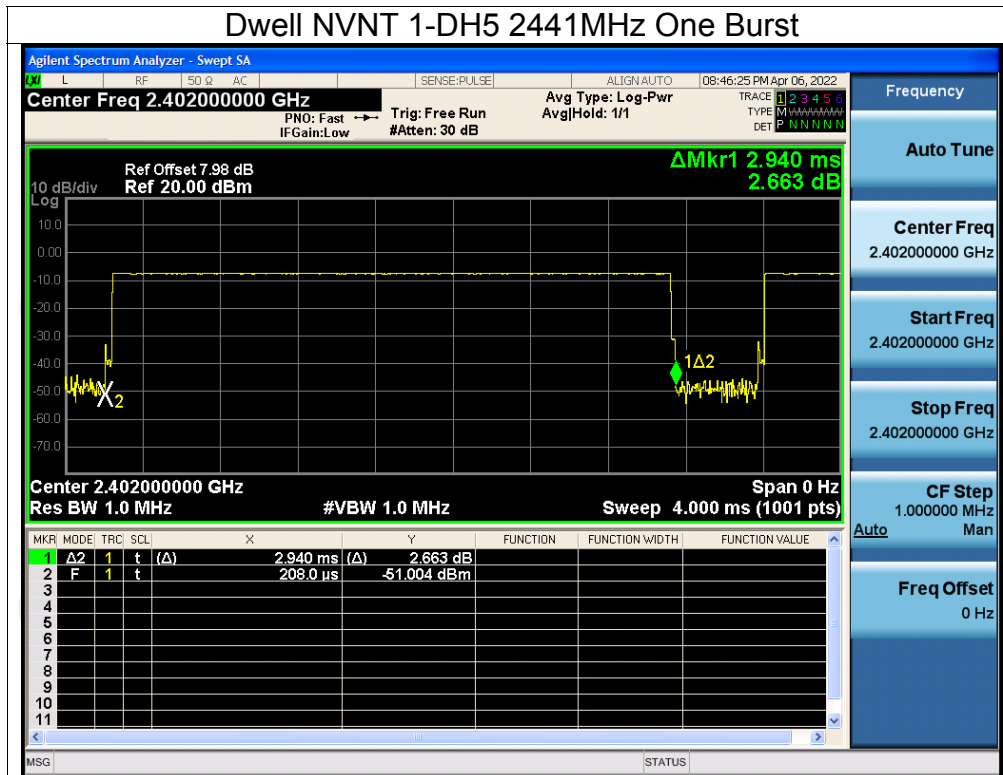
Test Graphs

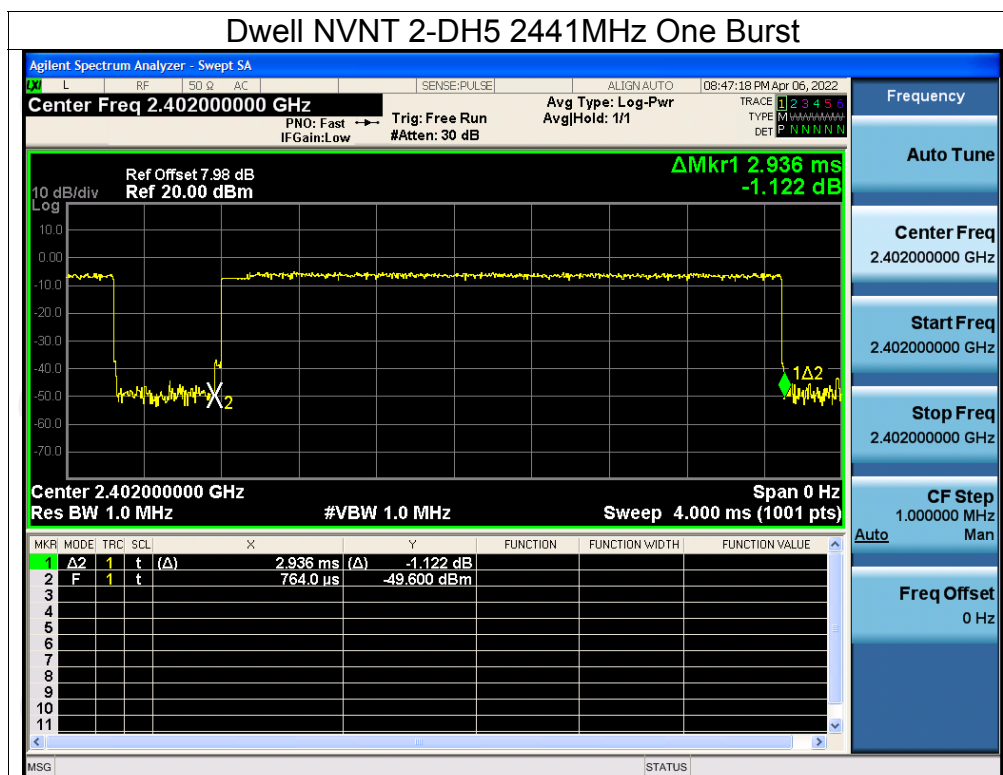
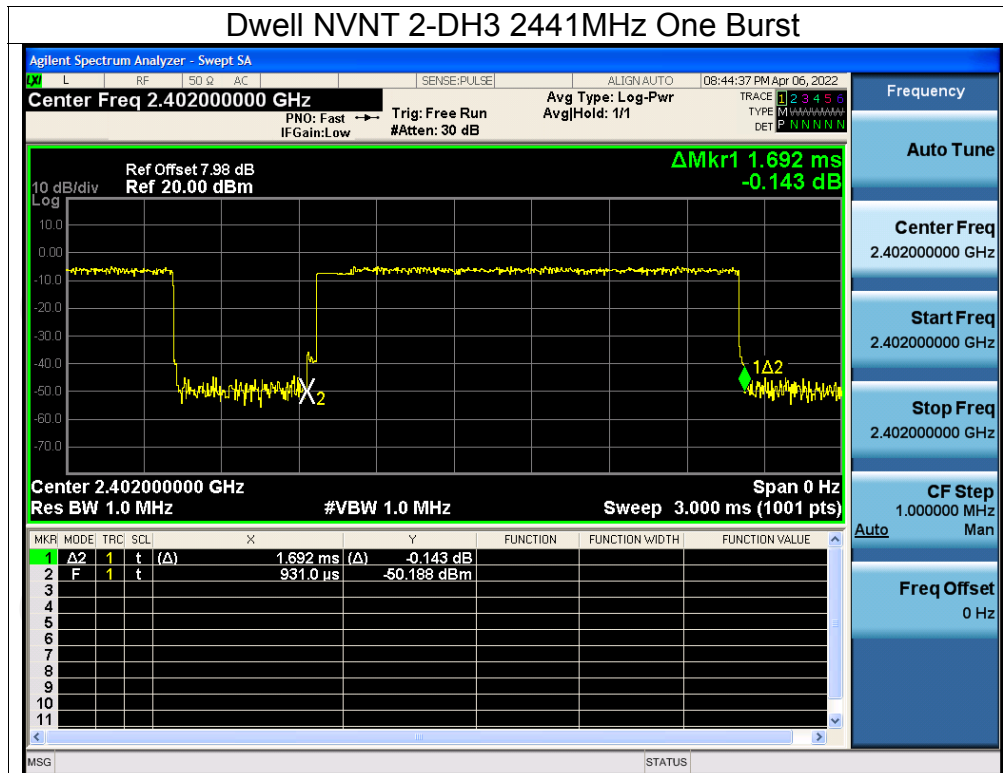
Dwell NVNT 1-DH1 2441MHz One Burst



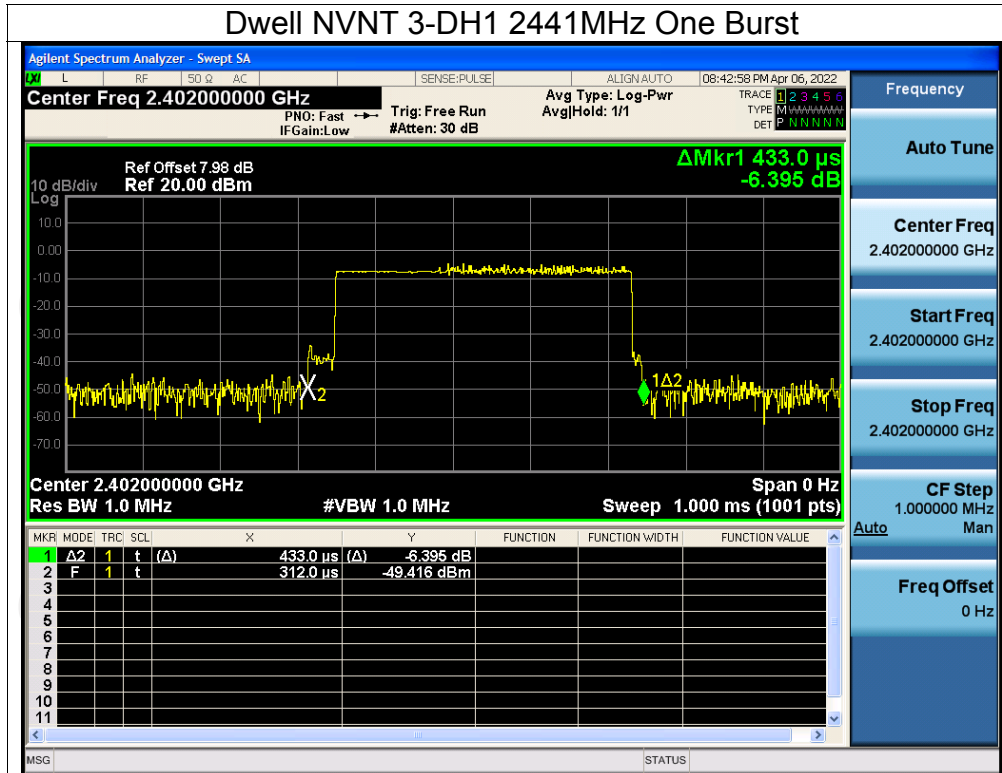
Dwell NVNT 1-DH3 2441MHz One Burst



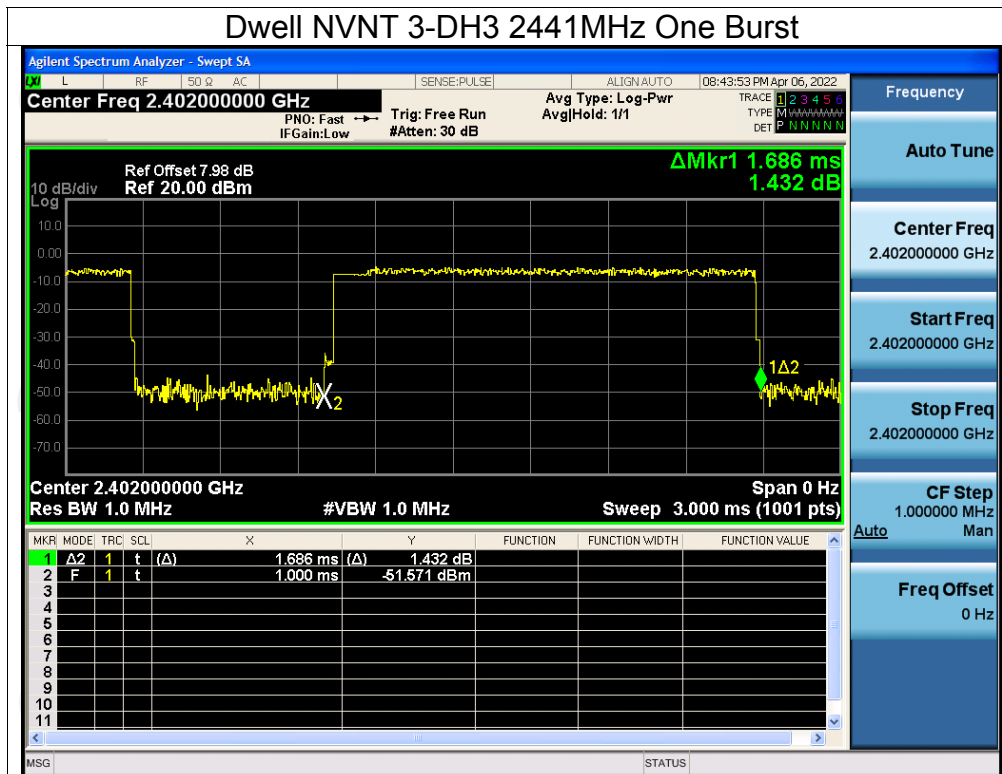


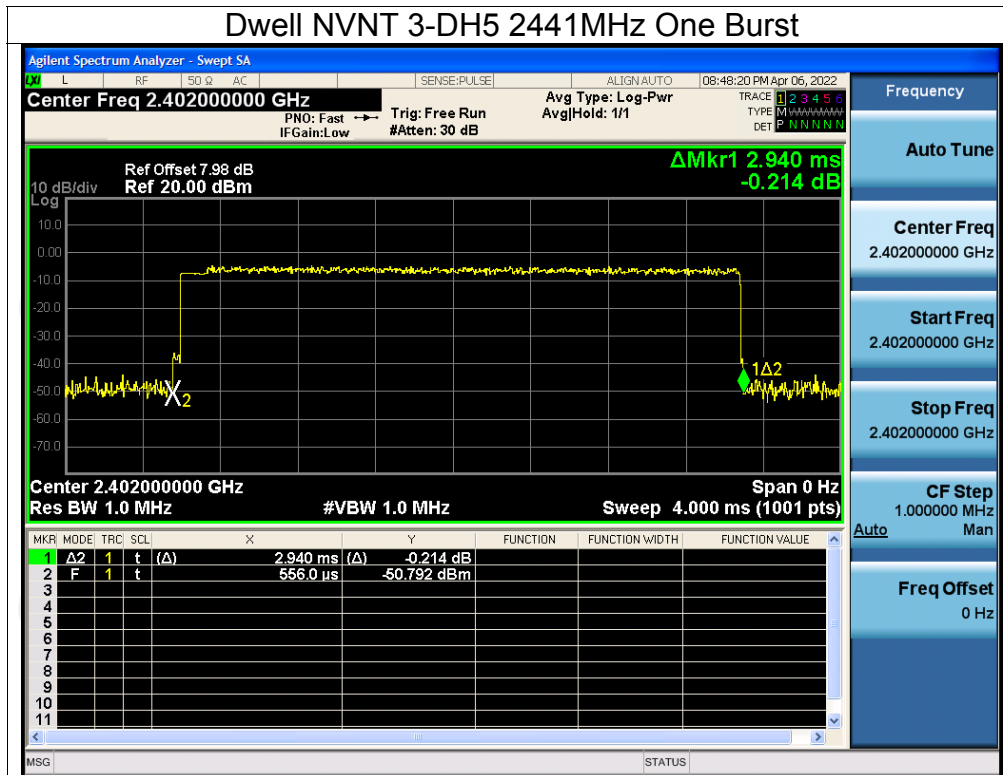


Dwell NVNT 3-DH1 2441MHz One Burst



Dwell NVNT 3-DH3 2441MHz One Burst



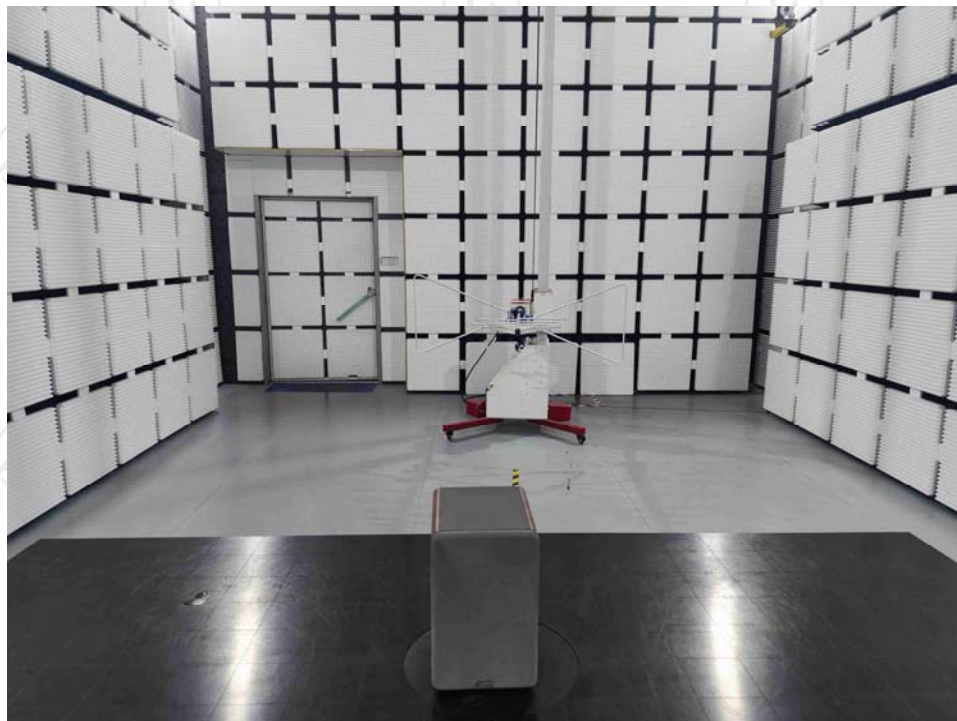


Appendix B: Photographs of Test Setup

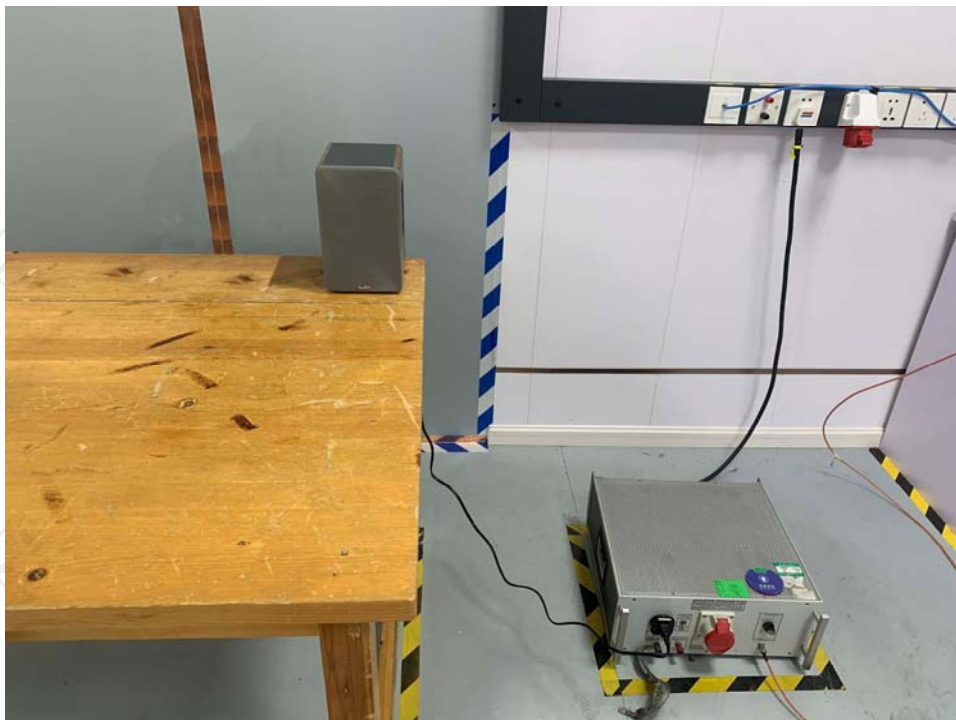
Product: Speaker

Model: MA20-1

Radiated Emission



Conducted Emission



Appendix C: Photographs of EUT

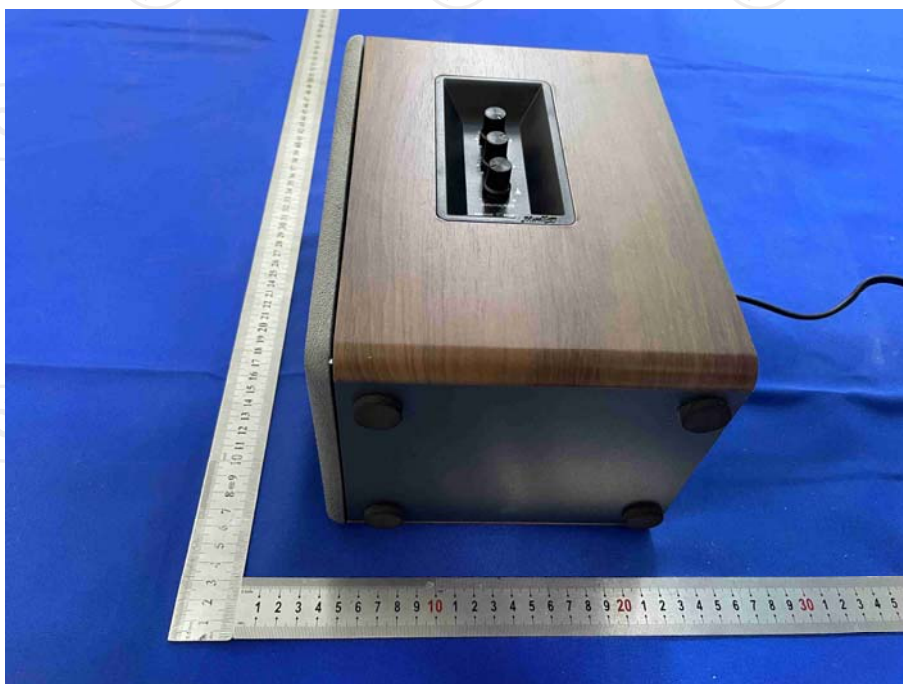
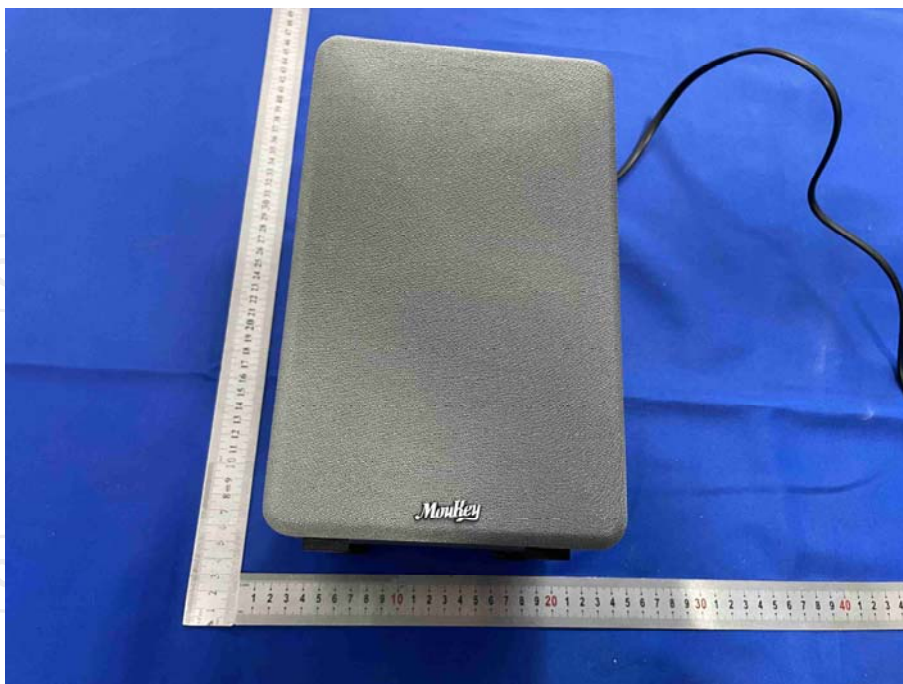
Product: Speaker

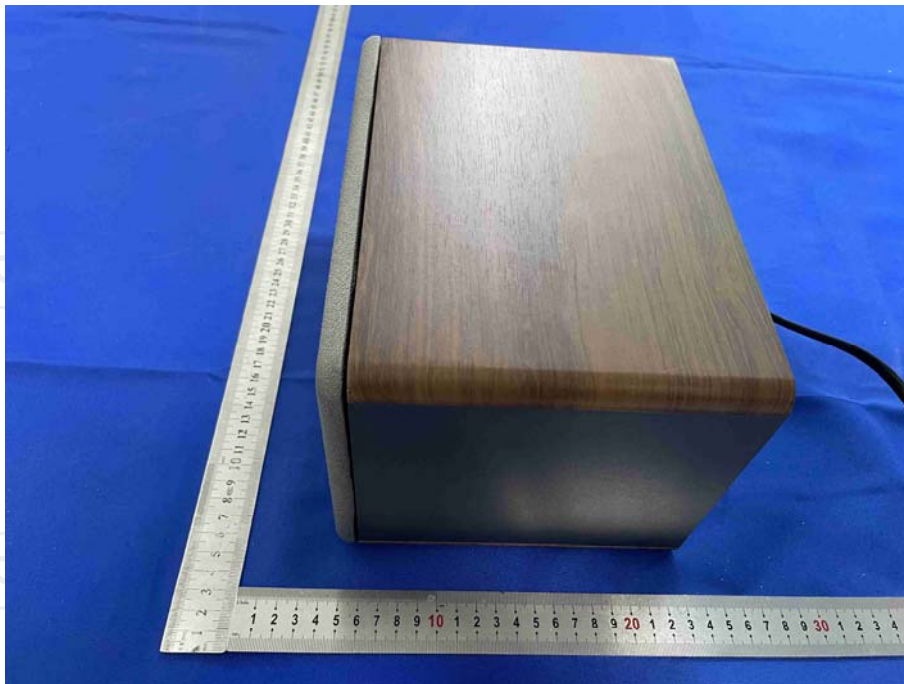
Model: MA20-1

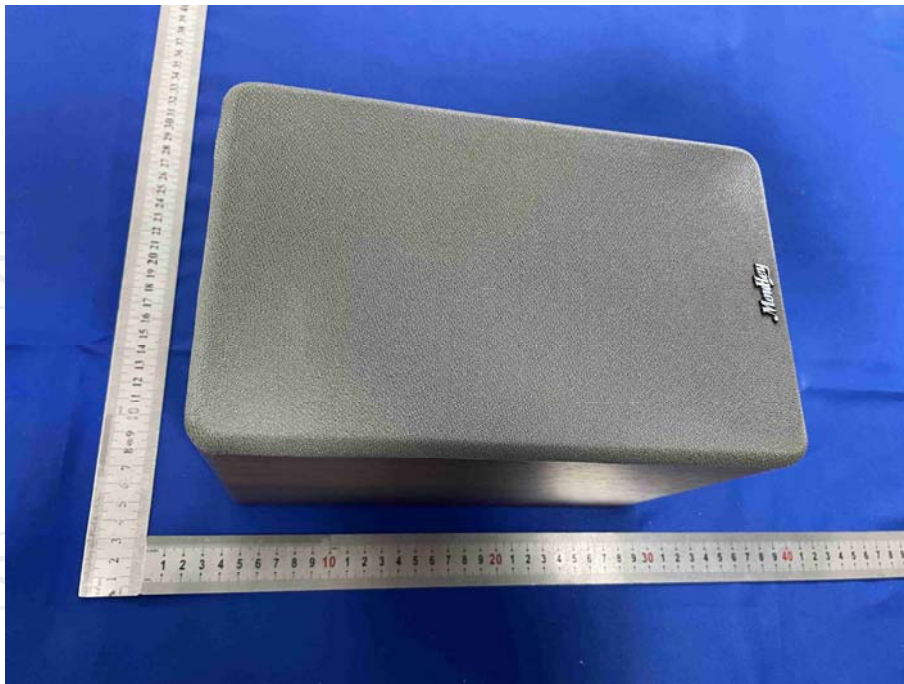
External Photos

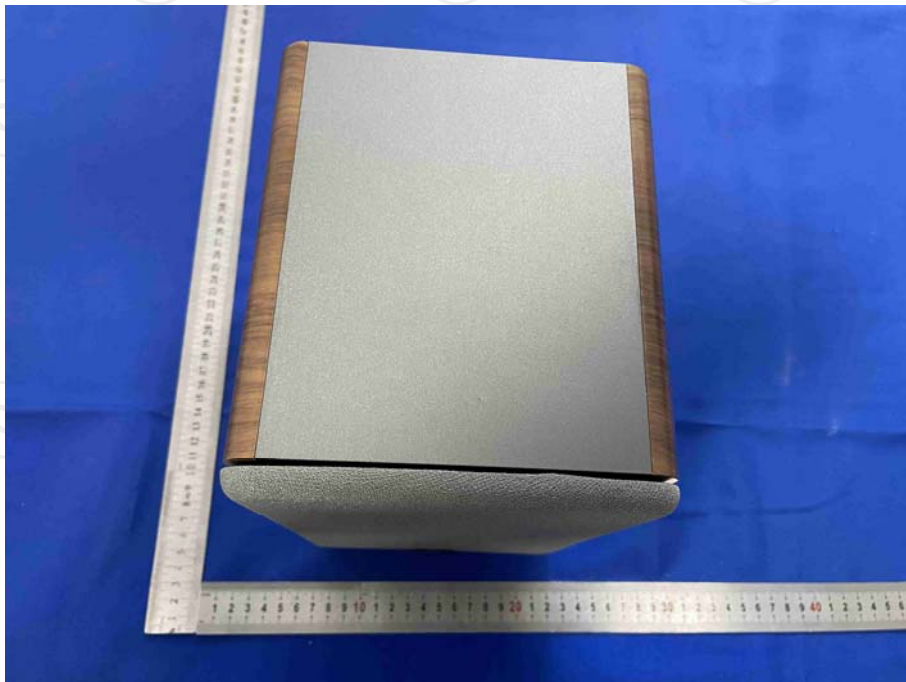
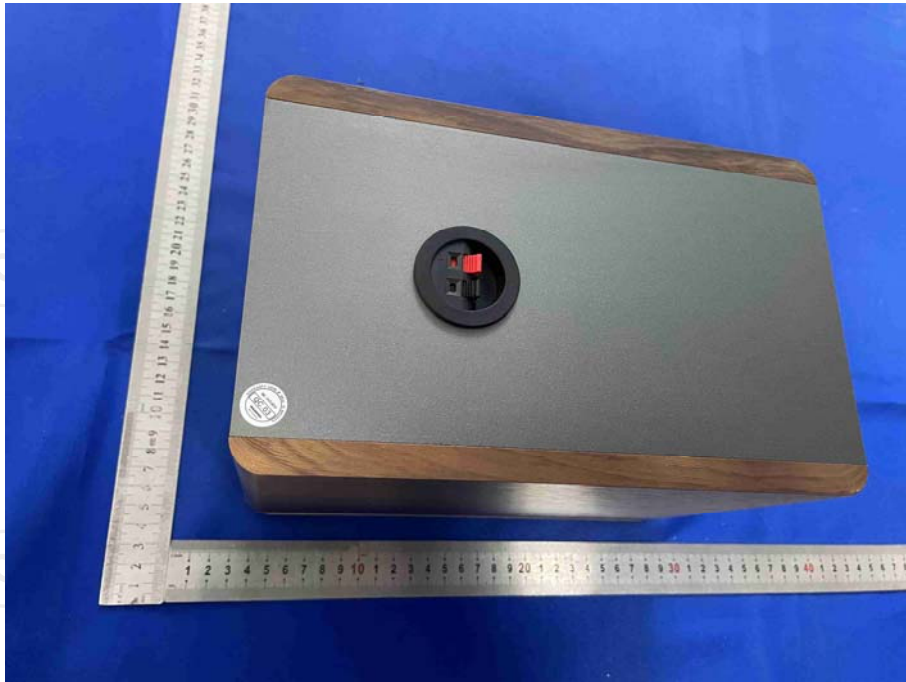


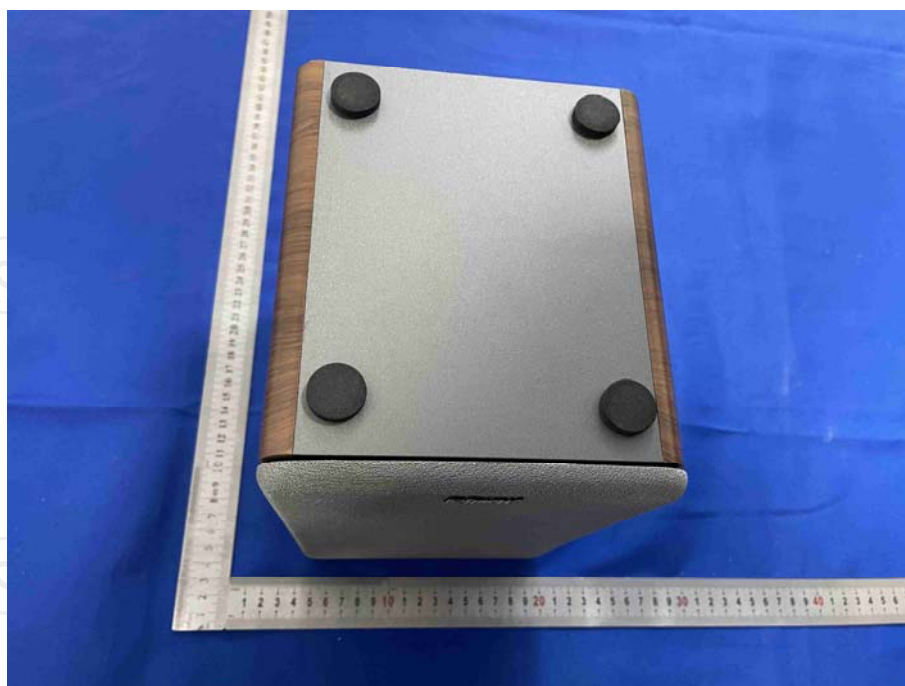






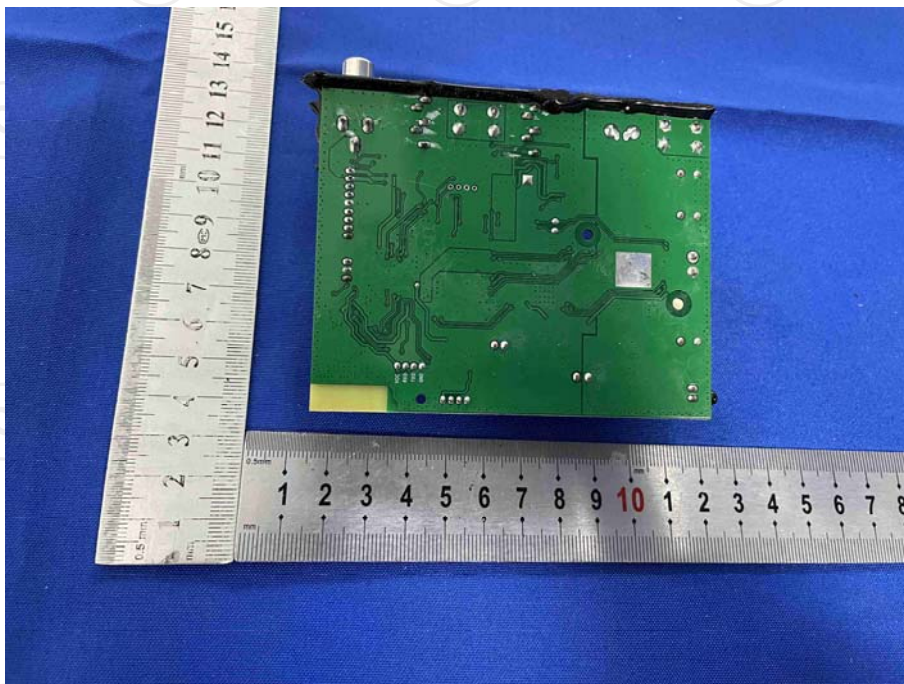
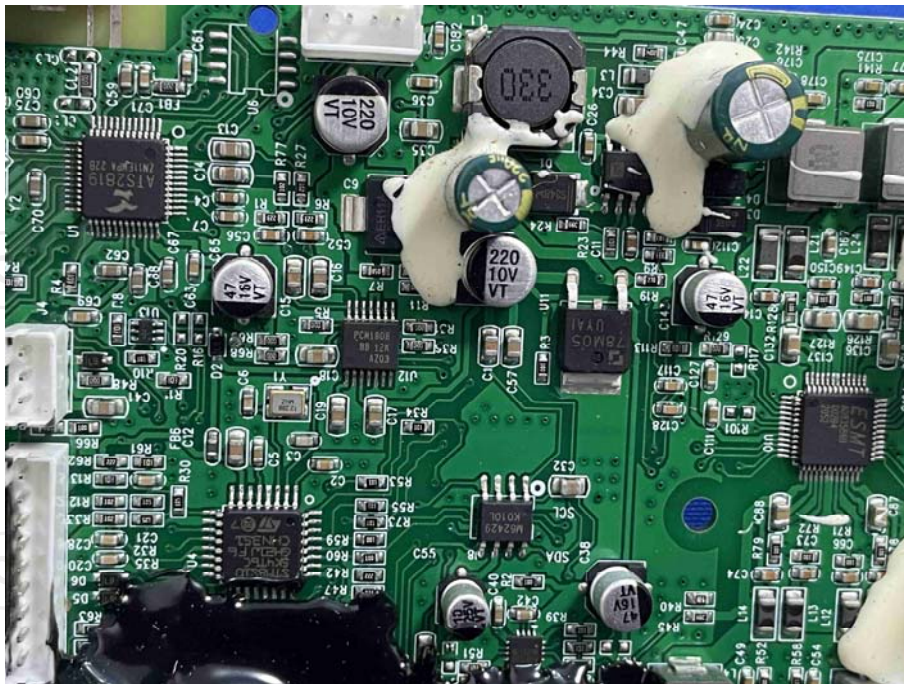


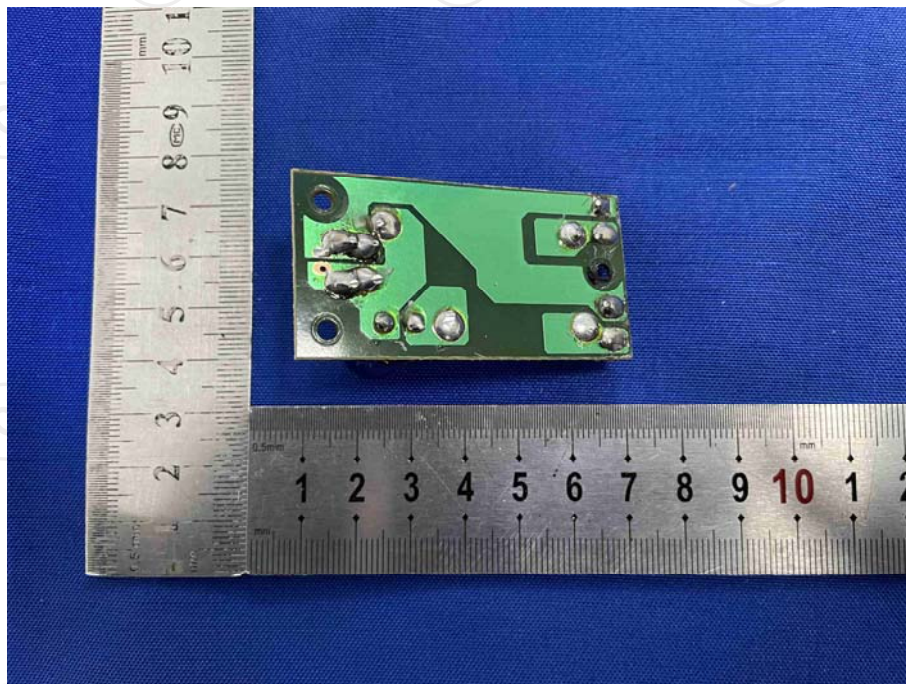
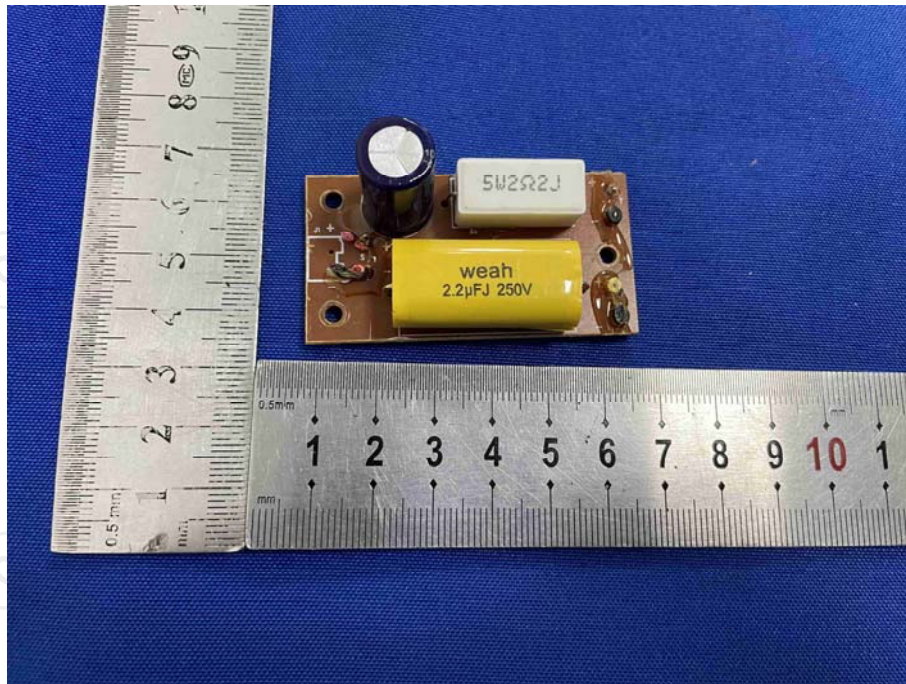


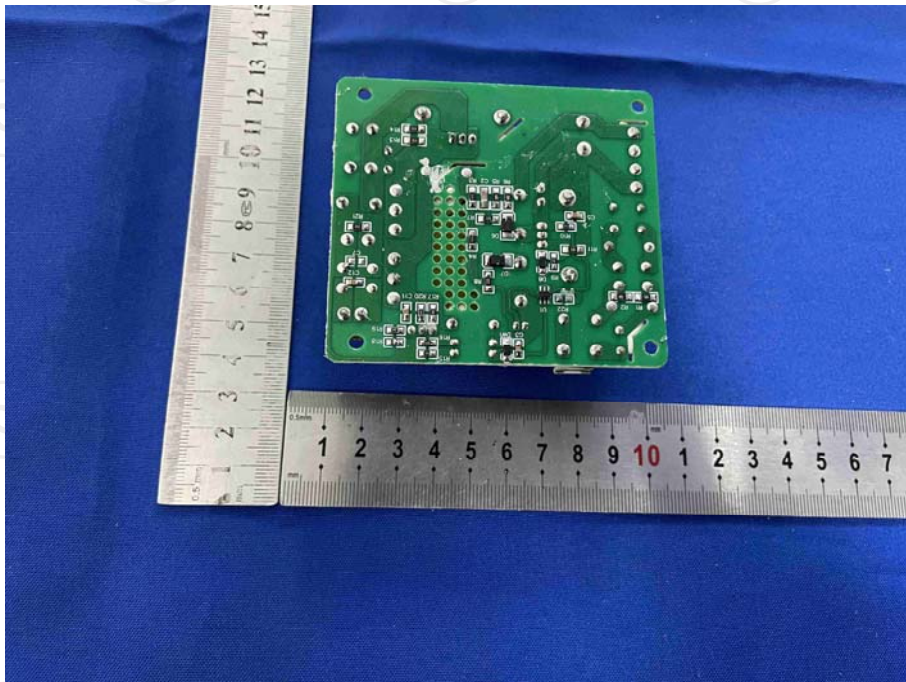
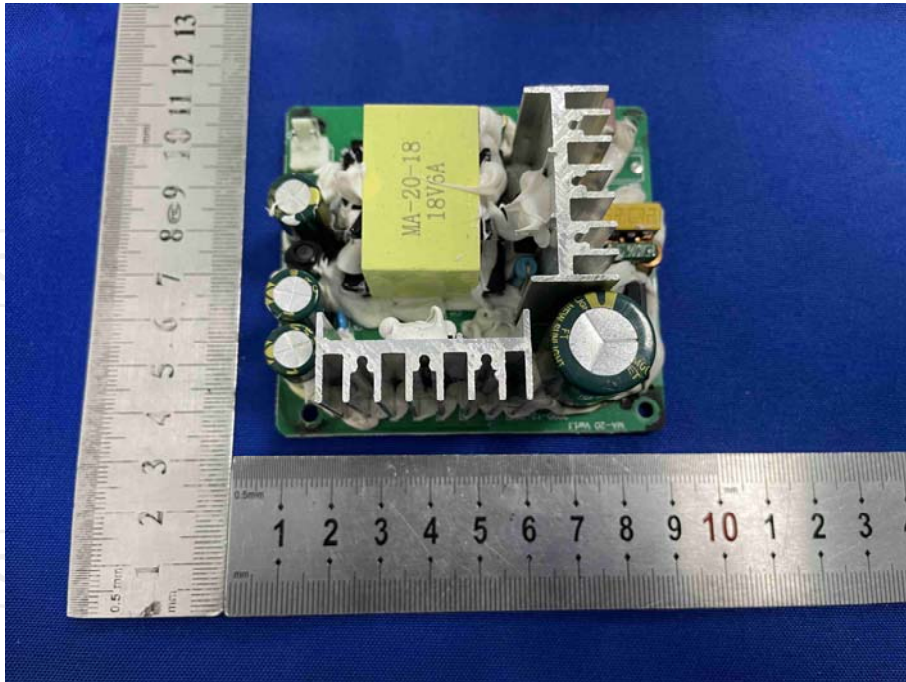


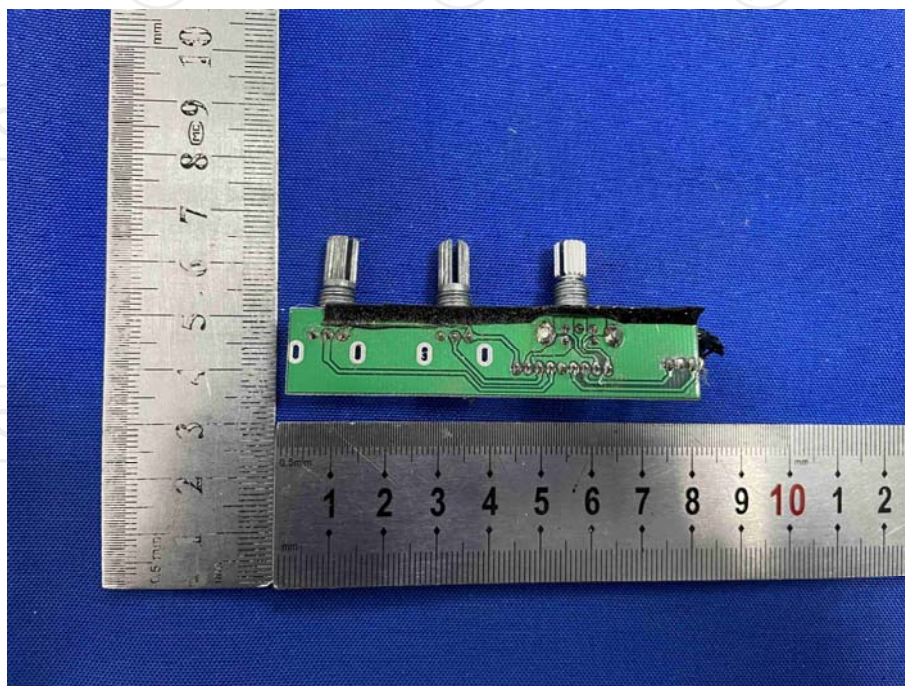
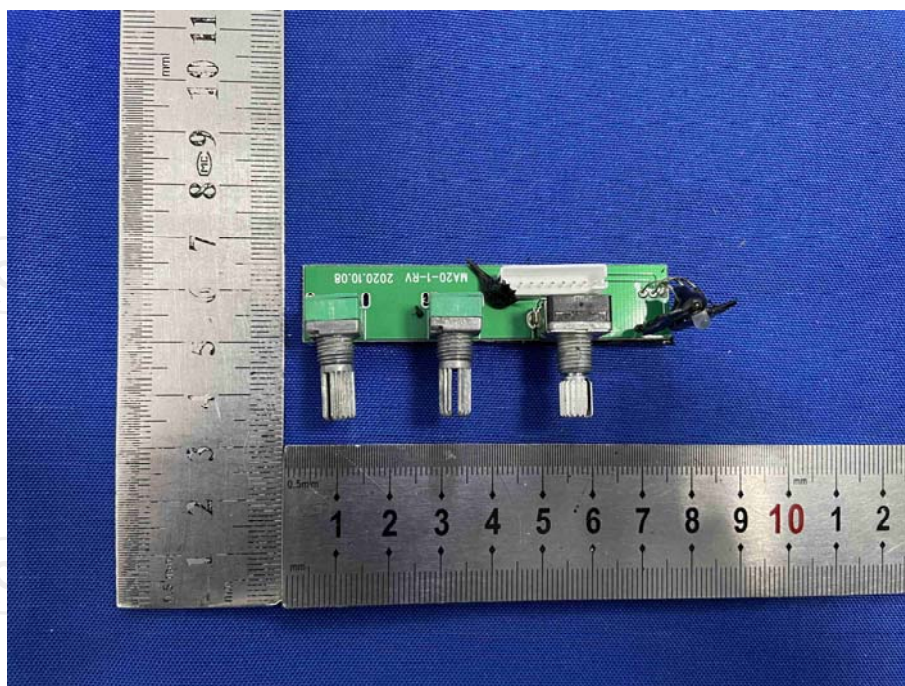
Product: Speaker
Model: MA20-1
Internal Photos

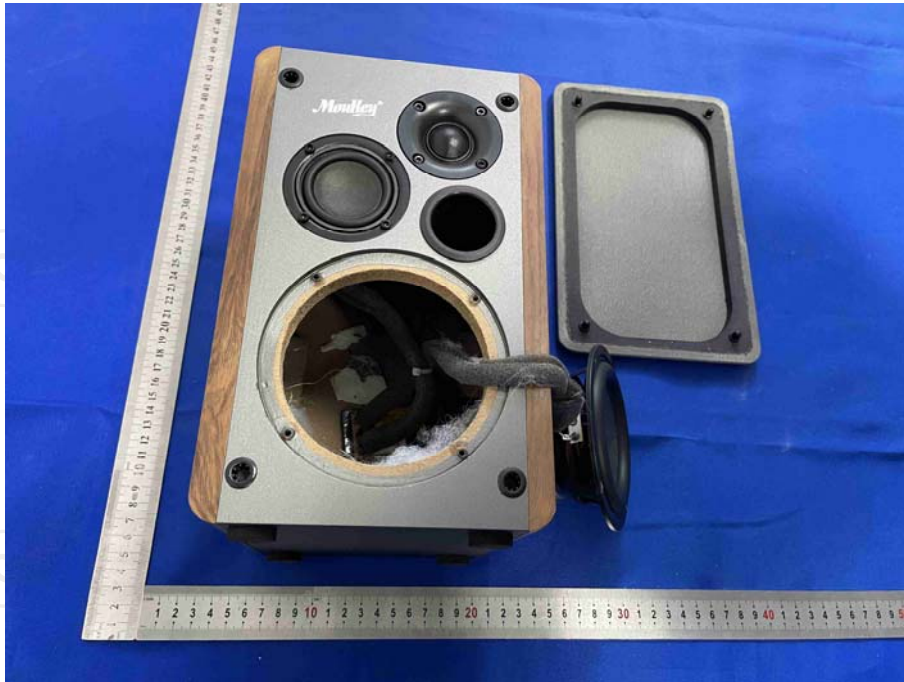












*******END OF REPORT*******