Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet PC

Test Model: TOUCHPAD.One

Environmental Conditions

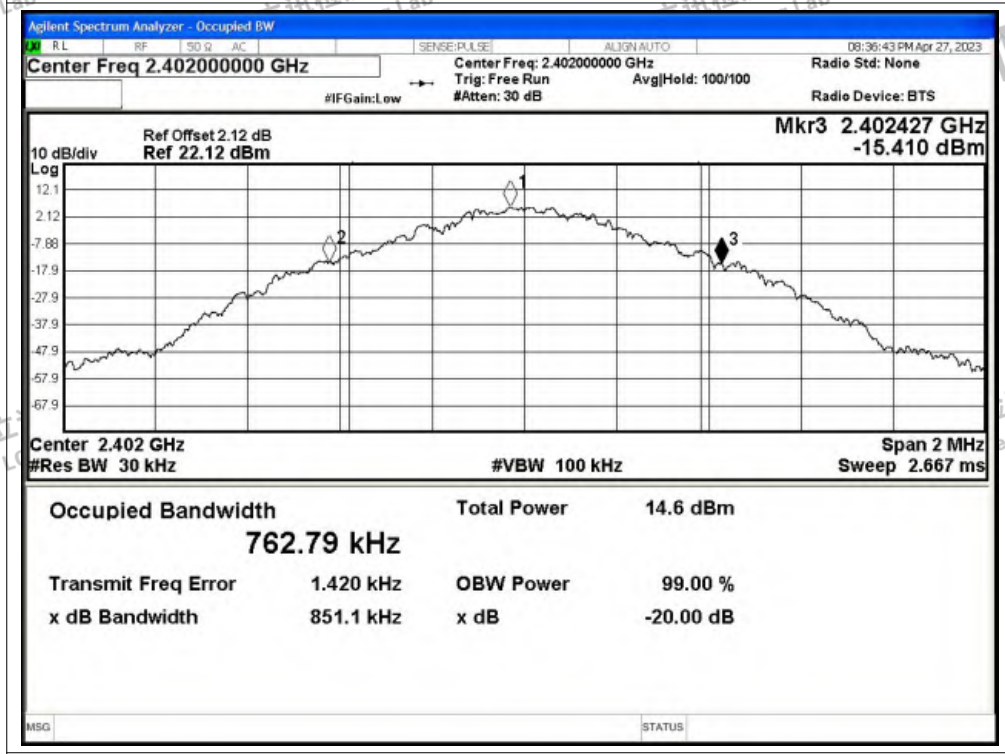
Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Mening Su

A.1 -20dB Bandwidth

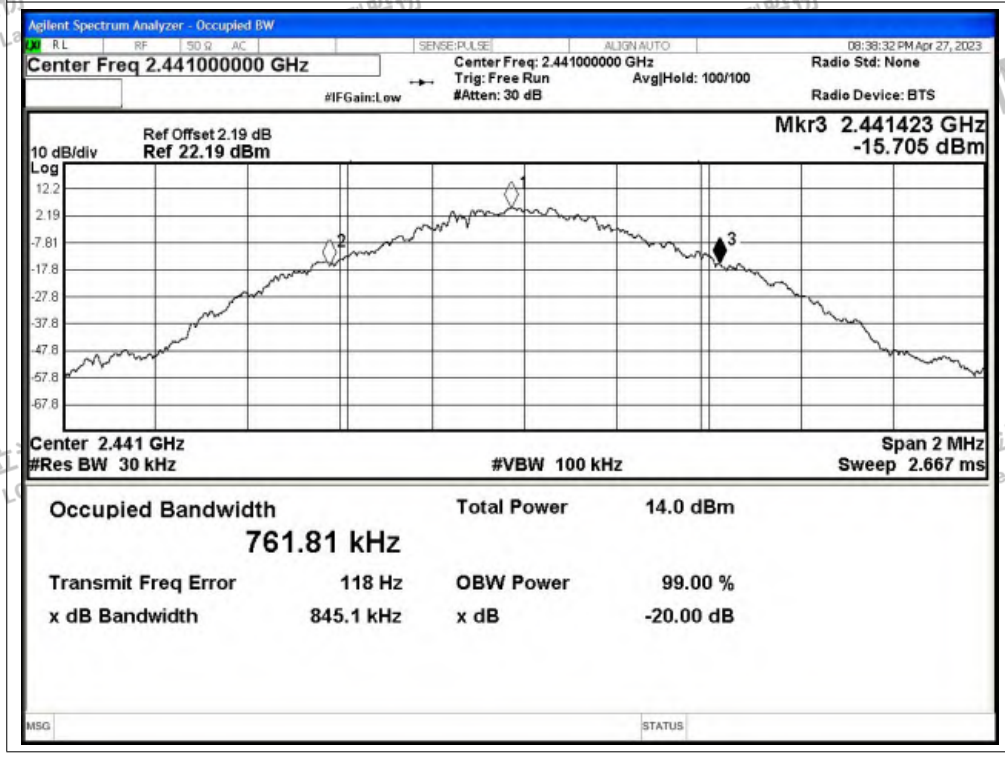
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.851	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.845	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.84	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.28	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.281	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.262	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.294	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.263	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.291	N/A	Pass

Test Graphs

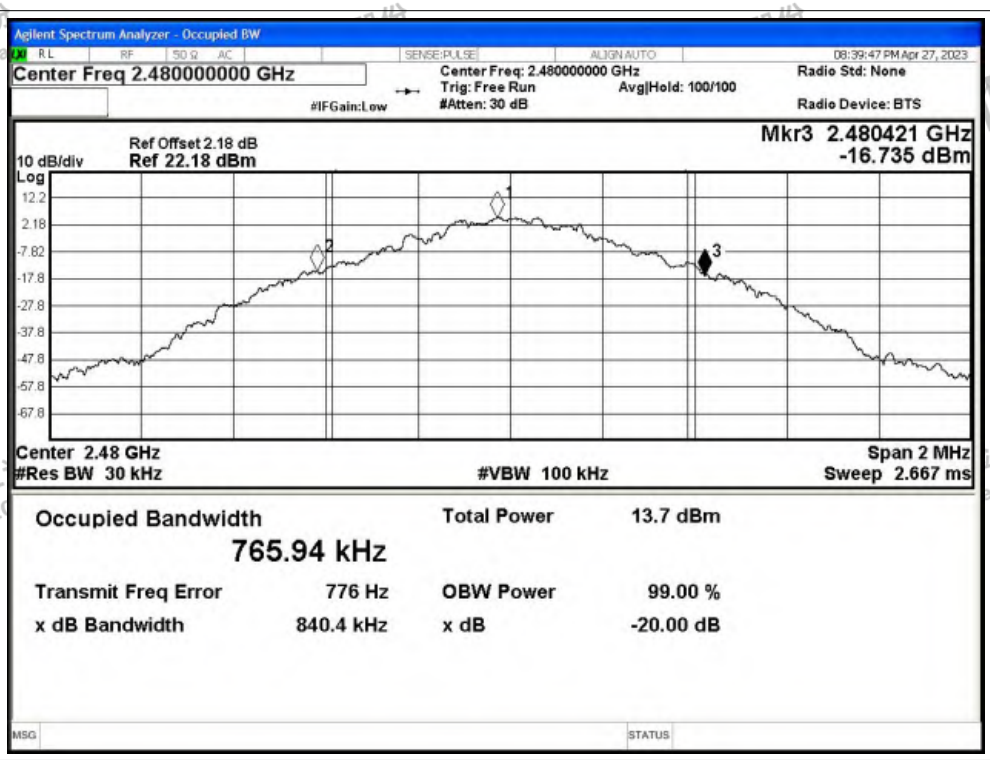
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



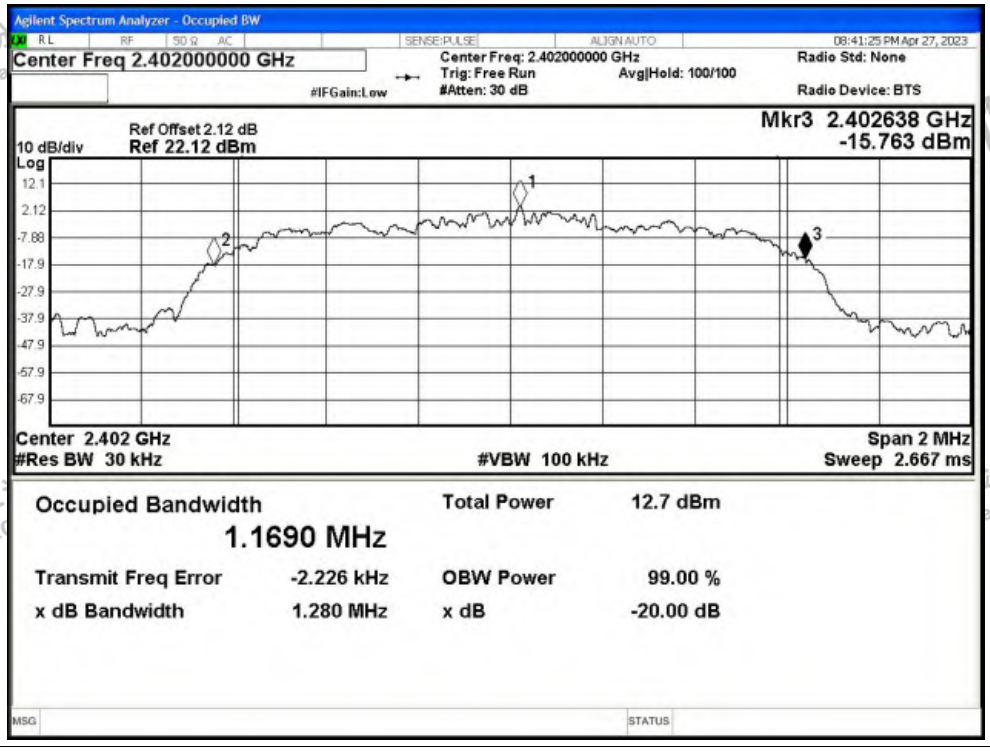
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



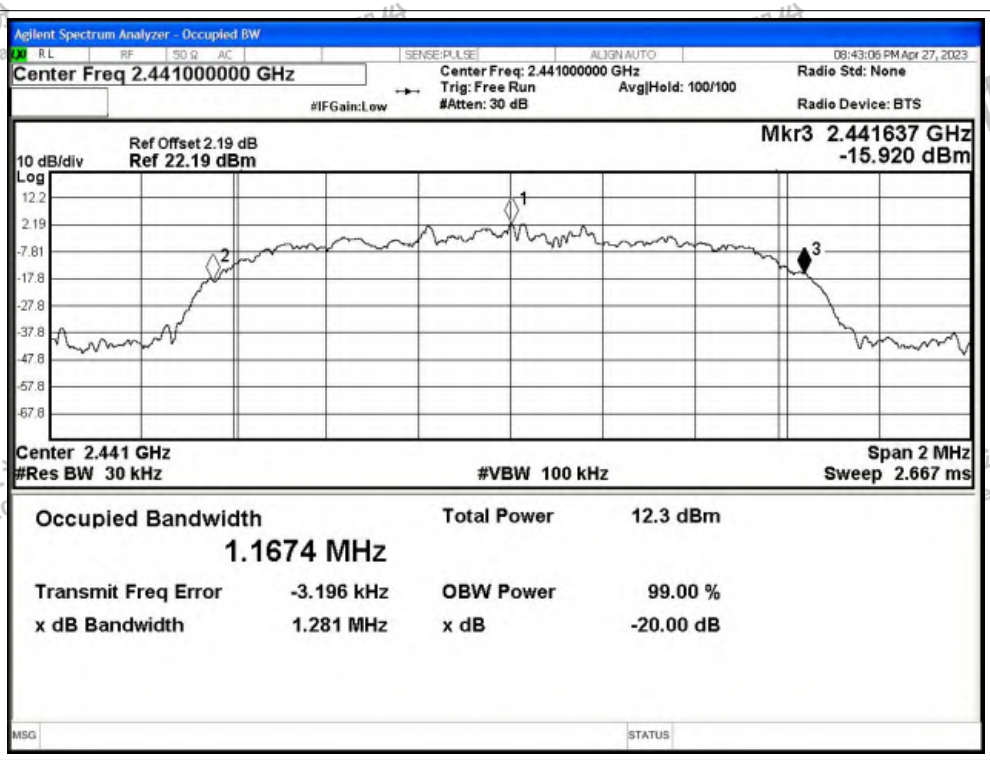
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



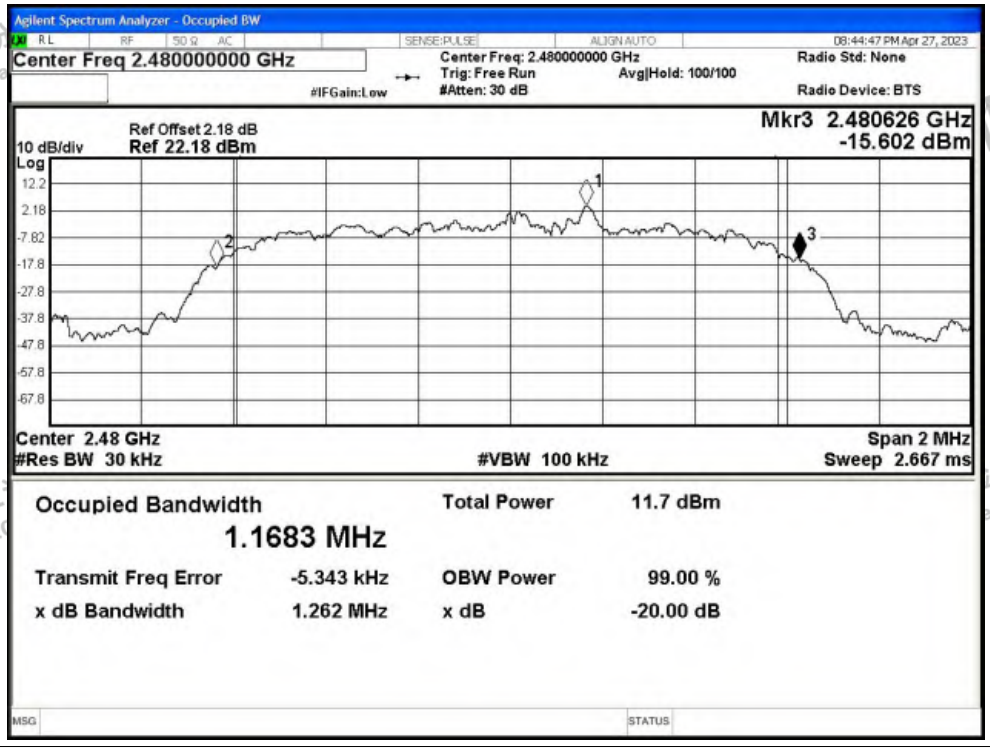
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



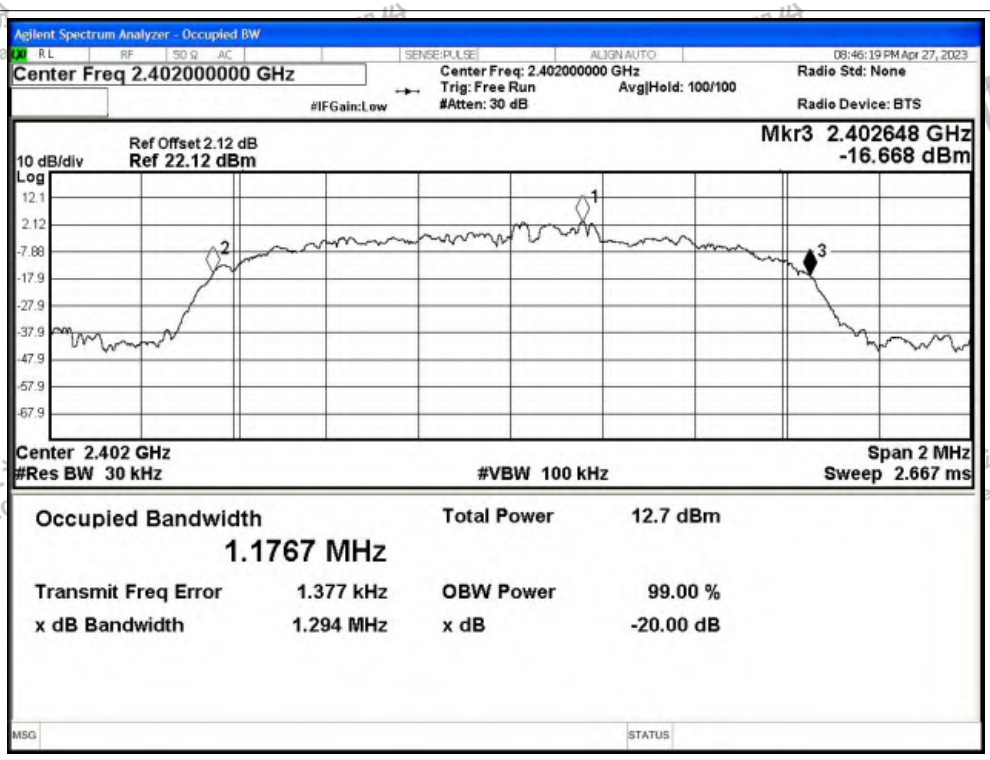
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



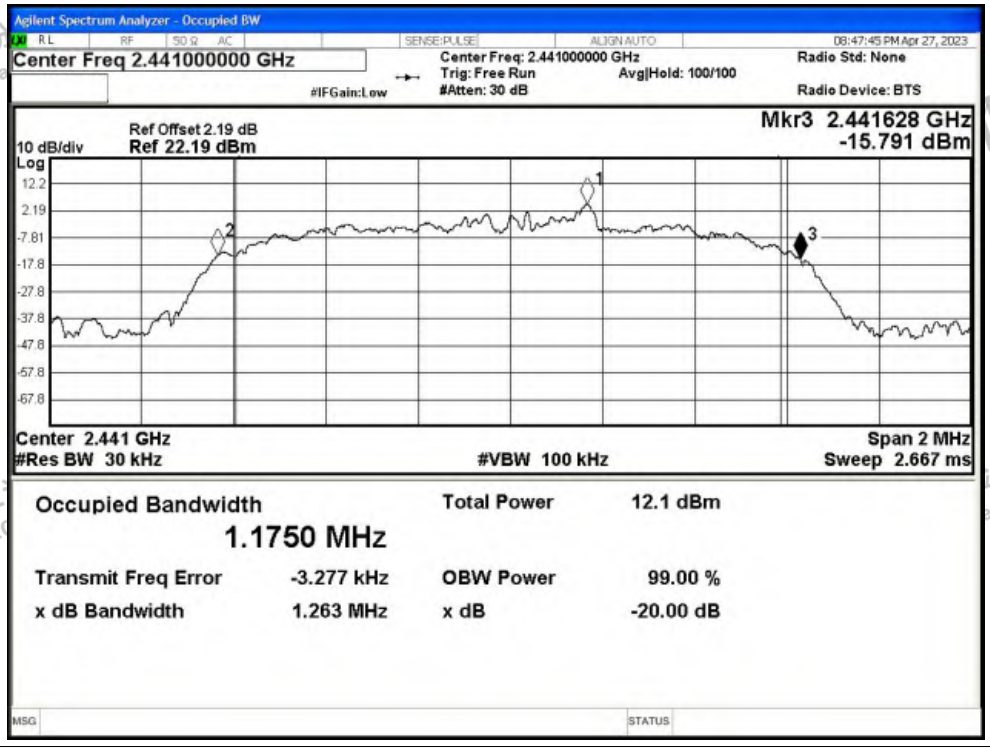
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



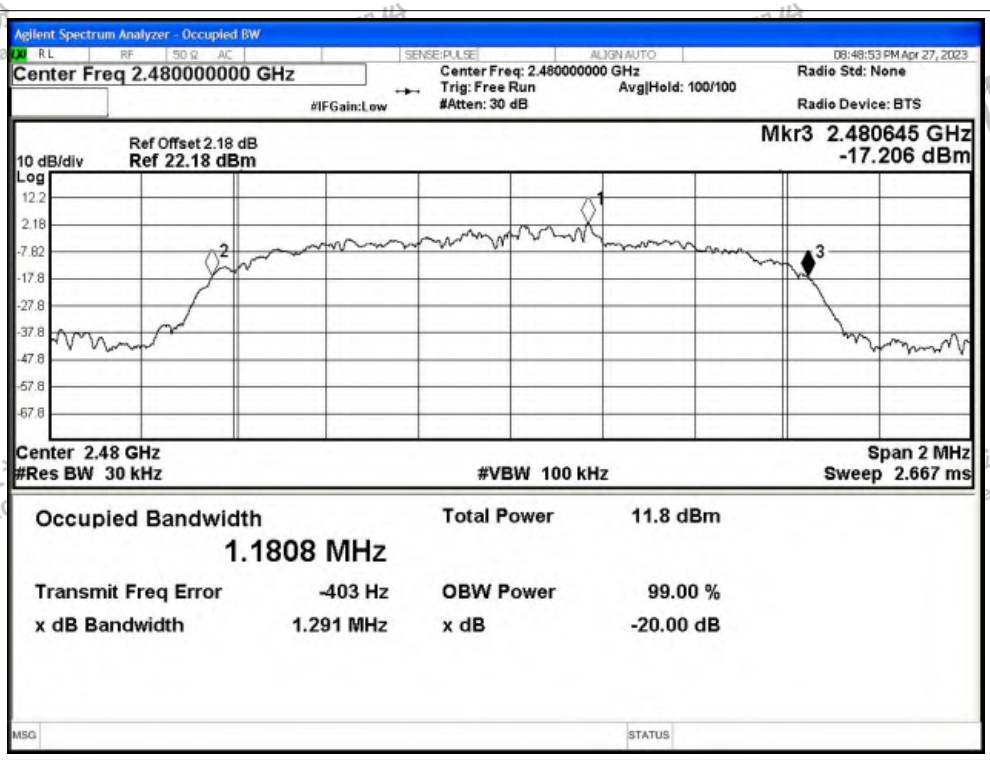
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

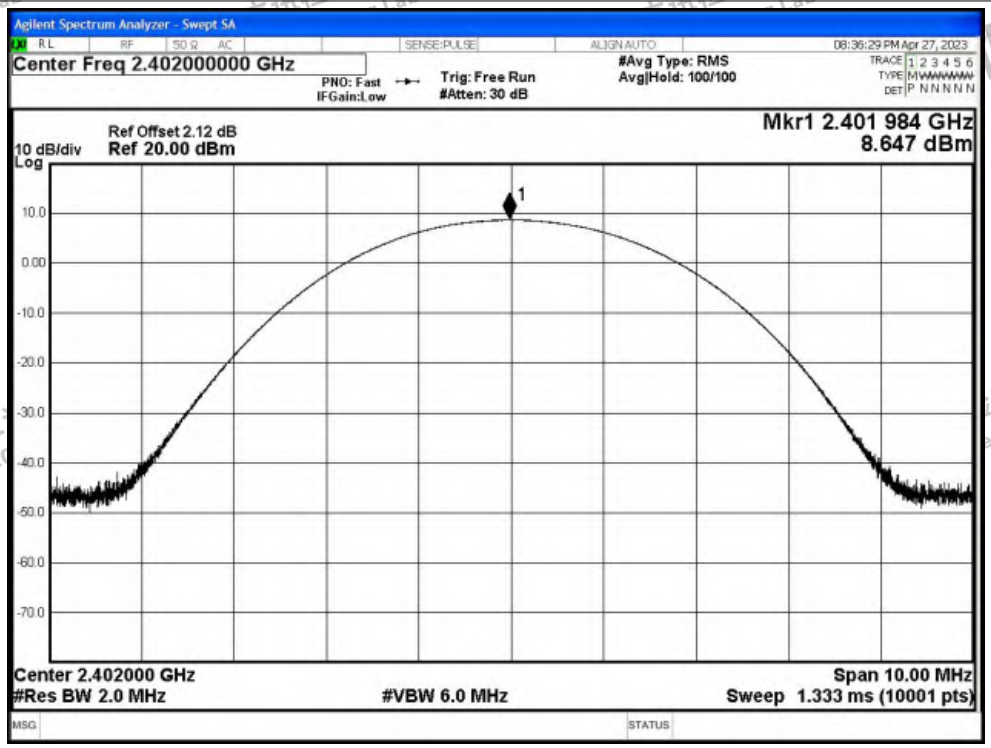


A.2 Maximum Conducted Output Power

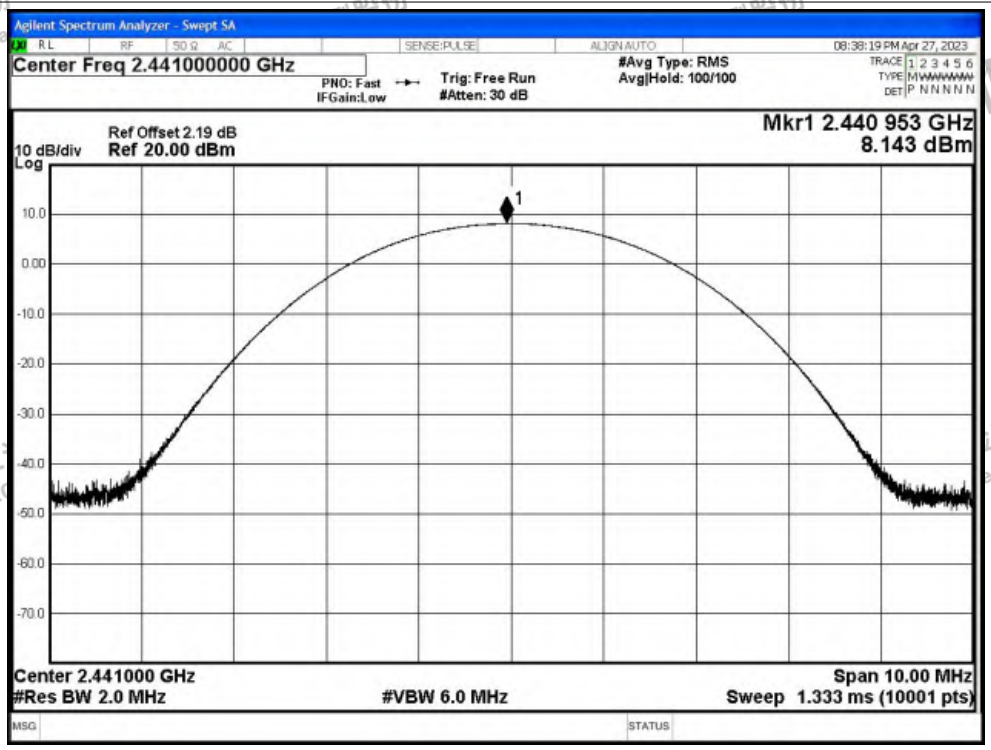
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	8.65	21	Pass
NVNT	1-DH5	2441	Ant1	8.14	21	Pass
NVNT	1-DH5	2480	Ant1	7.82	21	Pass
NVNT	2-DH5	2402	Ant1	8.05	21	Pass
NVNT	2-DH5	2441	Ant1	7.71	21	Pass
NVNT	2-DH5	2480	Ant1	7.16	21	Pass
NVNT	3-DH5	2402	Ant1	8.02	21	Pass
NVNT	3-DH5	2441	Ant1	7.57	21	Pass
NVNT	3-DH5	2480	Ant1	7.19	21	Pass

Test Graphs

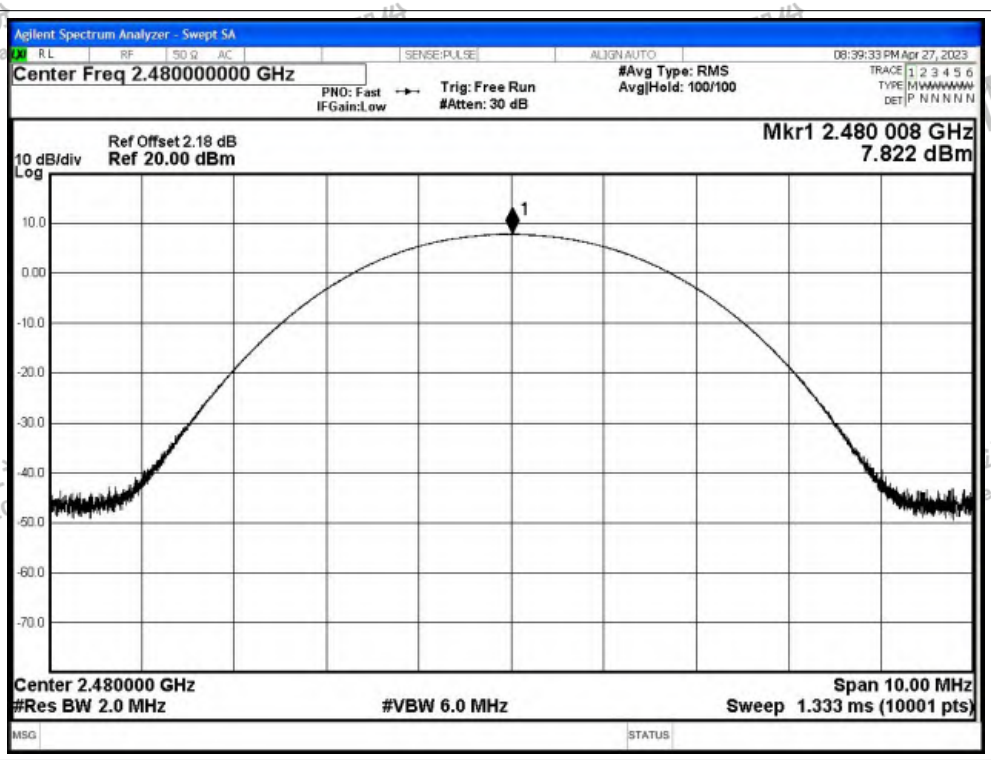
Power NVNT 1-DH5 2402MHz Ant1



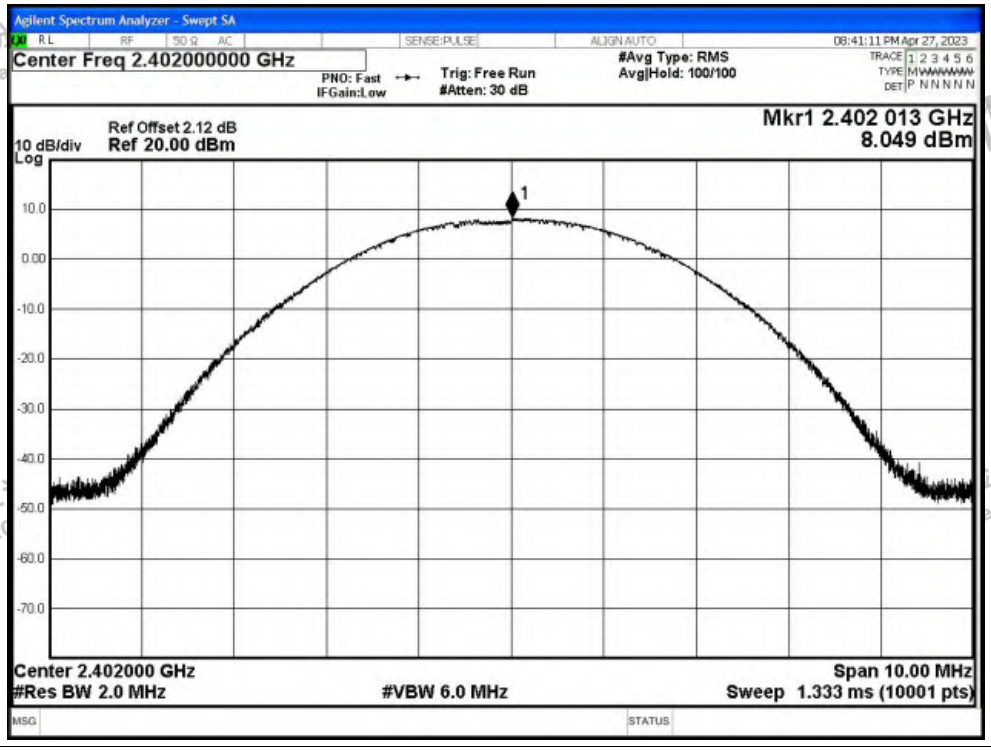
Power NVNT 1-DH5 2441MHz Ant1



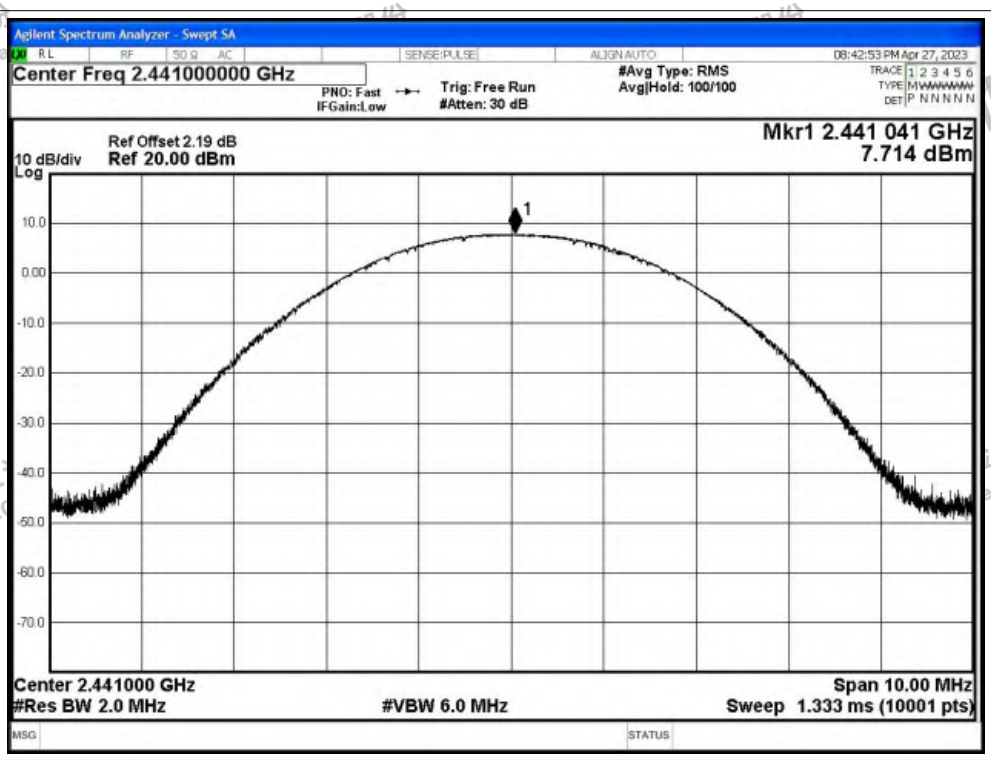
Power NVNT 1-DH5 2480MHz Ant1



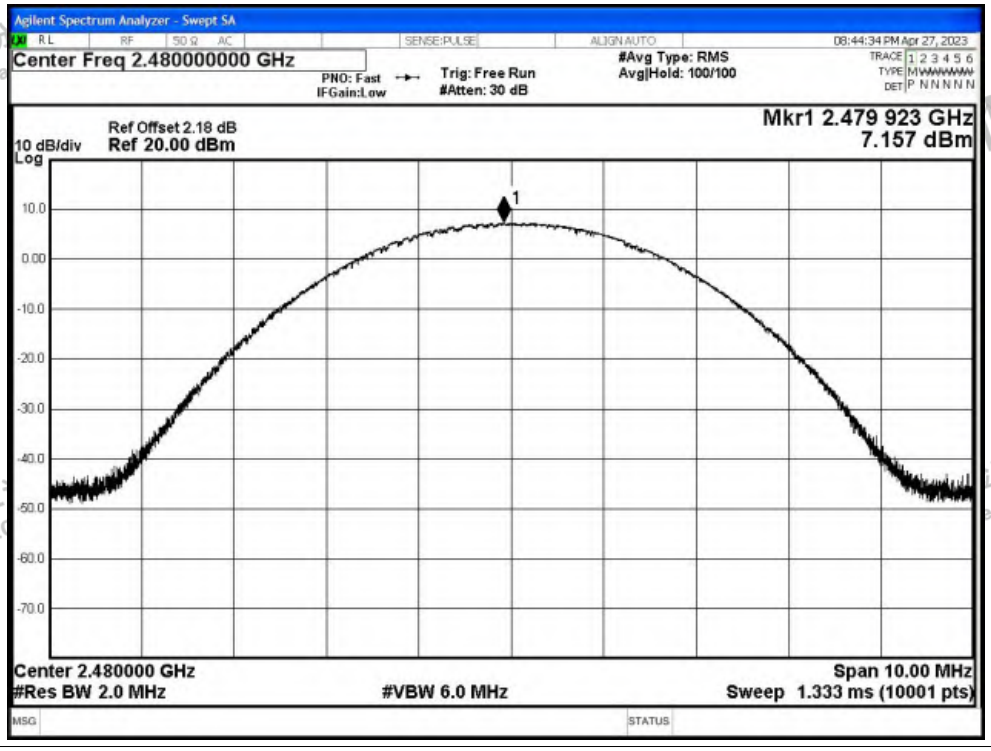
Power NVNT 2-DH5 2402MHz Ant1



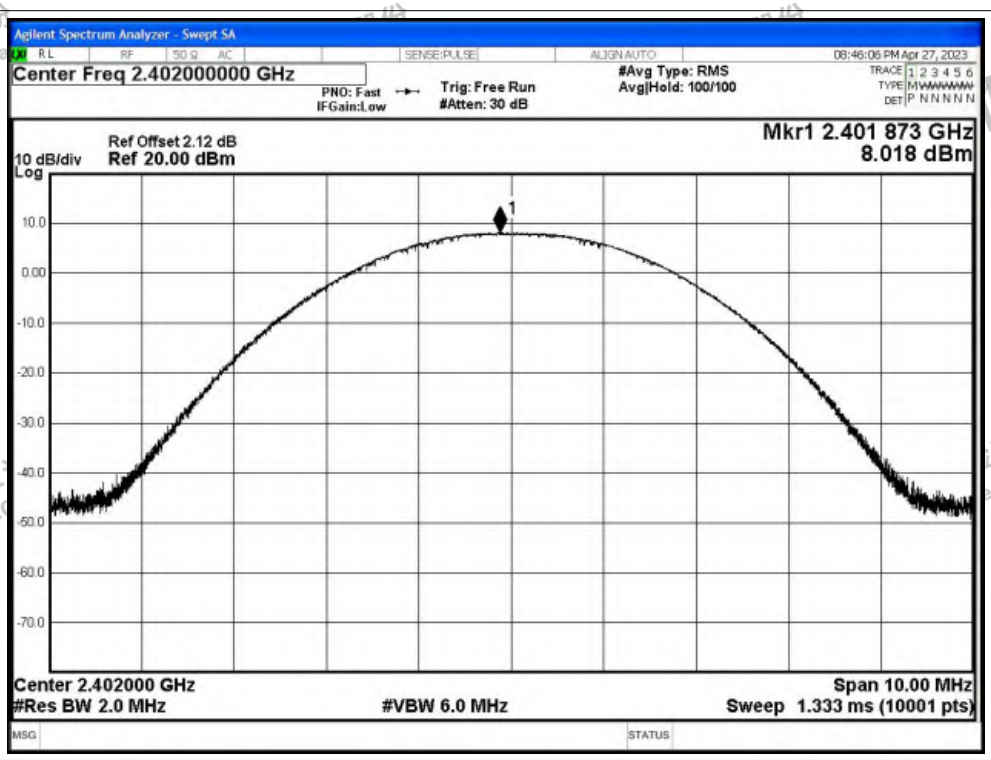
Power NVNT 2-DH5 2441MHz Ant1



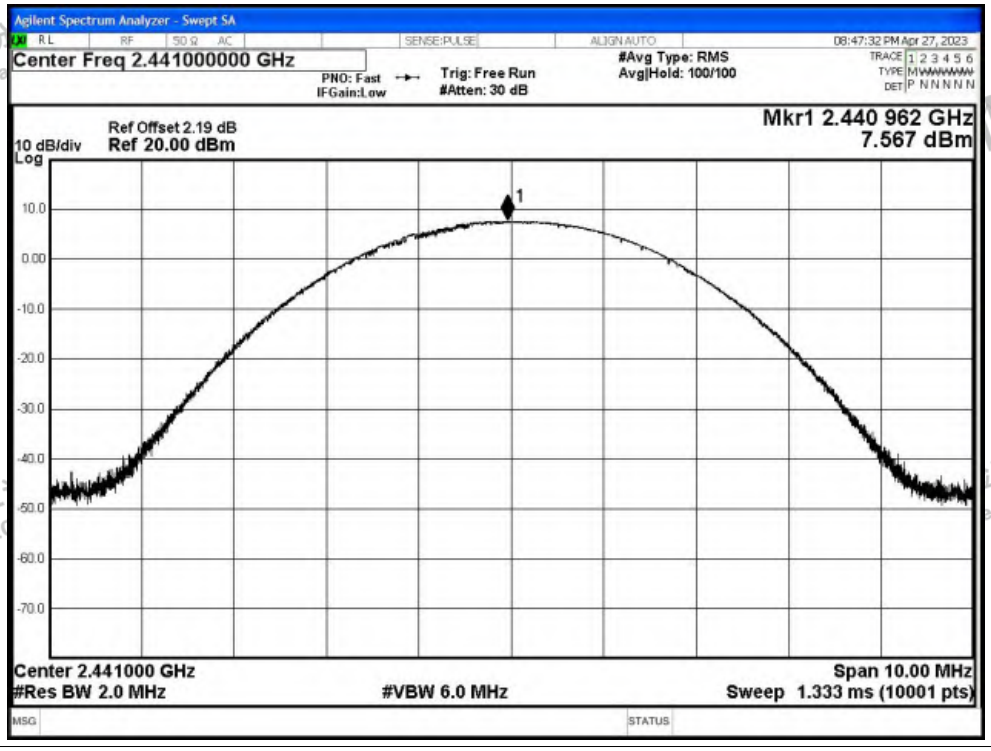
Power NVNT 2-DH5 2480MHz Ant1



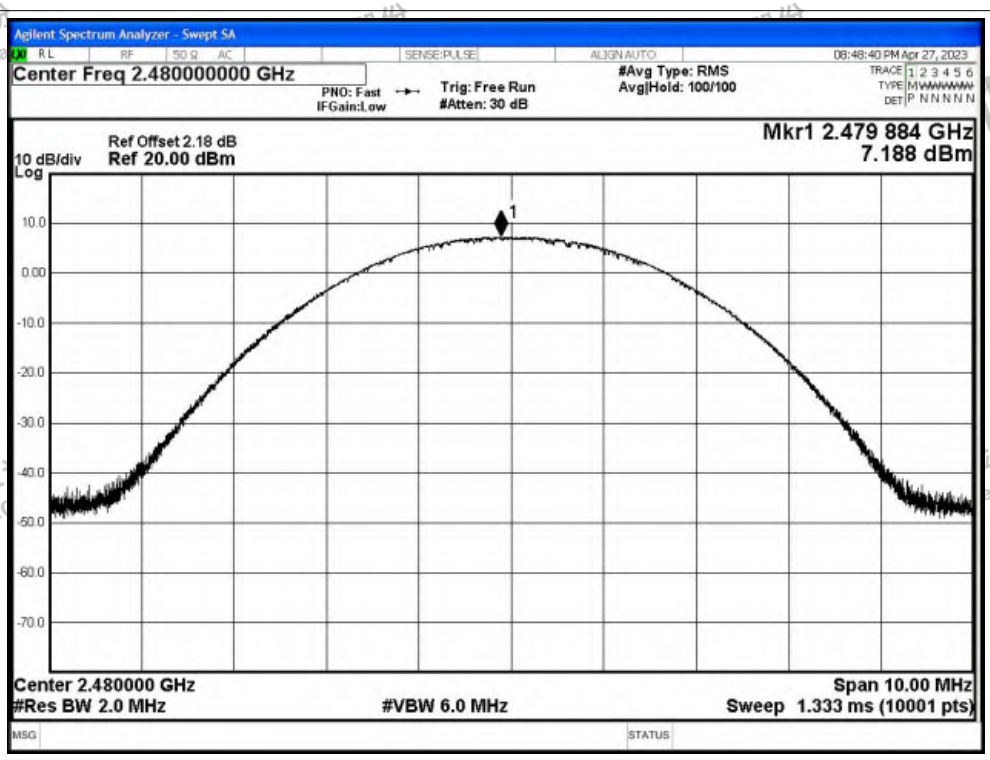
Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1



Power NVNT 3-DH5 2480MHz Ant1

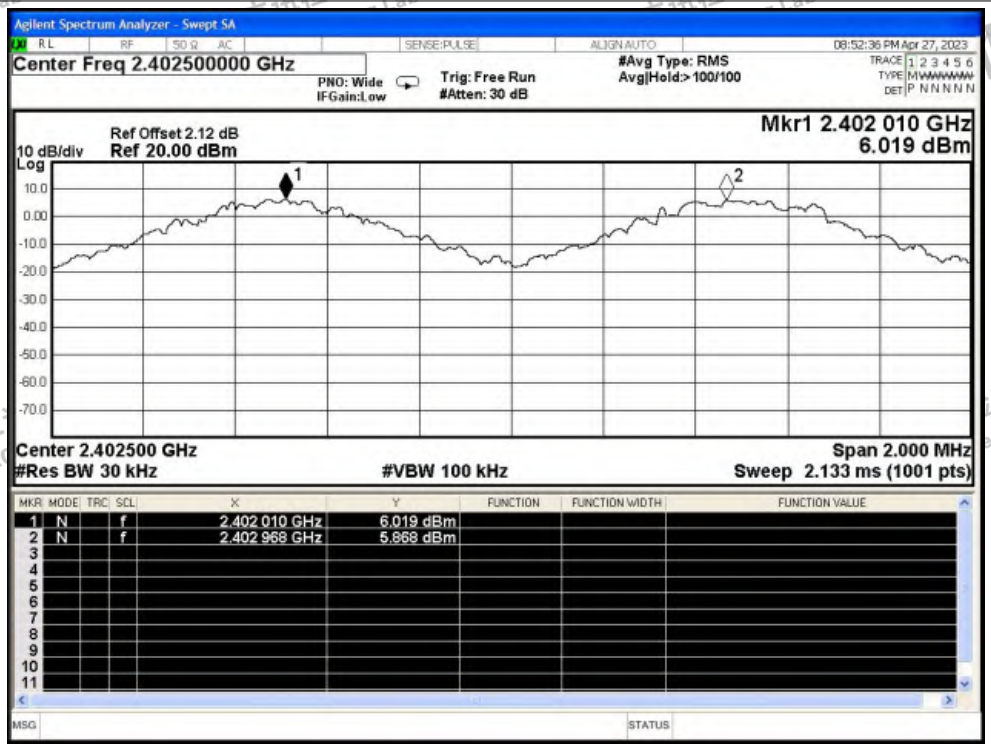


A.3 Carrier Frequencies Separation

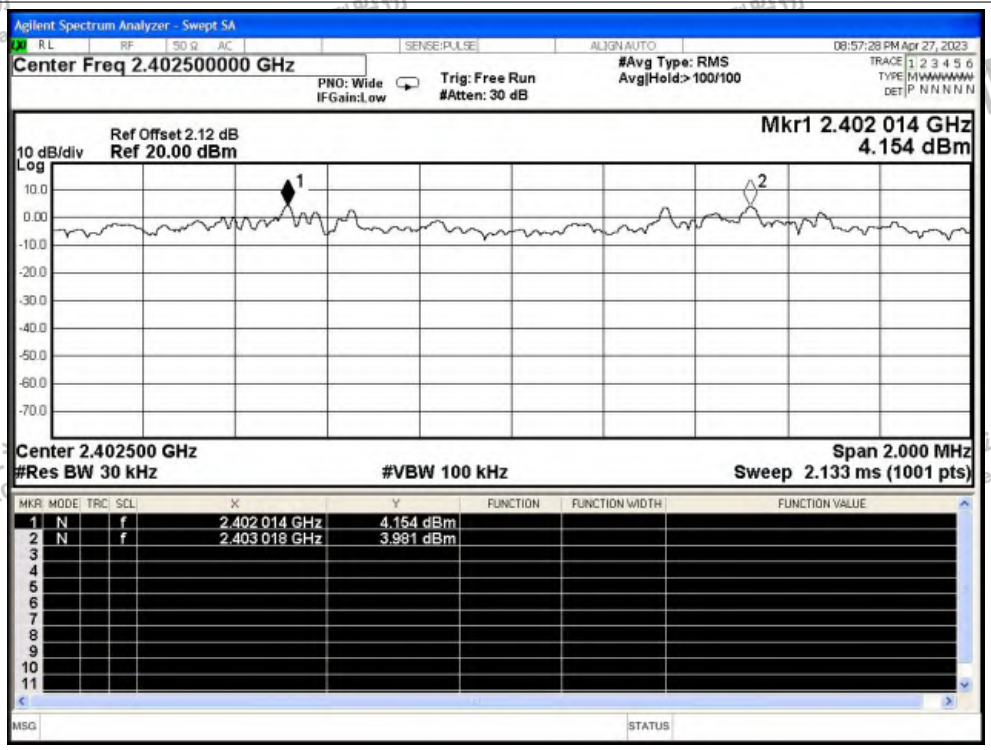
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.01	2402.968	0.958	0.567	Pass
NVNT	2-DH5	Ant1	2402.014	2403.018	1.004	0.854	Pass
NVNT	3-DH5	Ant1	2402.018	2403.162	1.144	0.863	Pass

Test Graphs

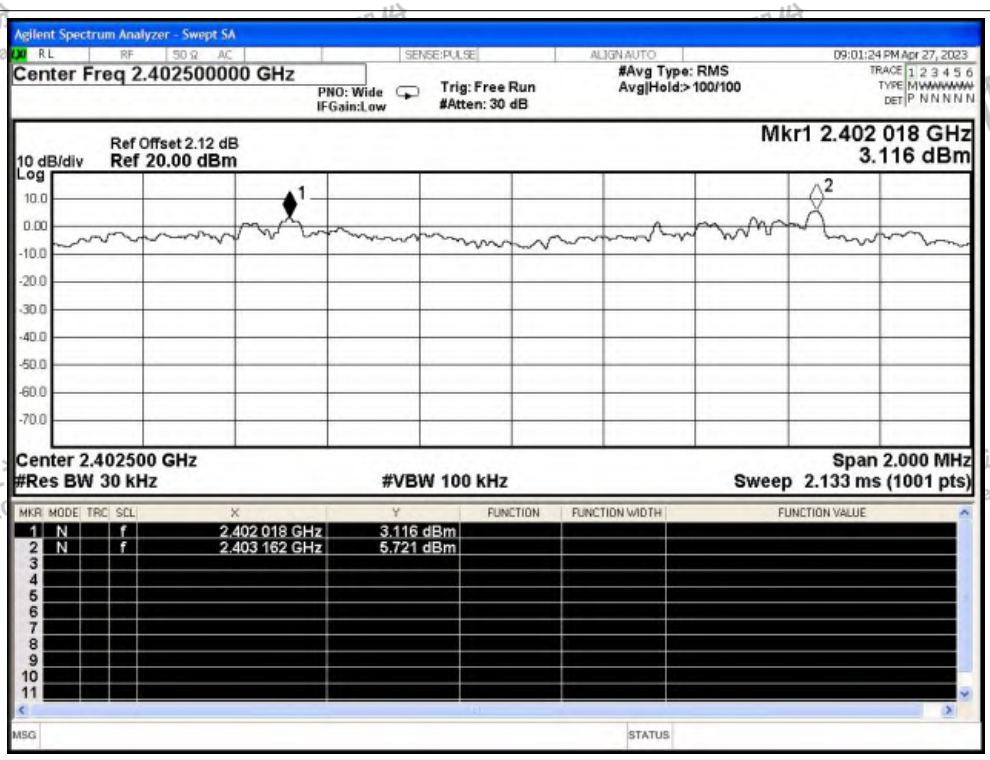
CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2402MHz Ant1

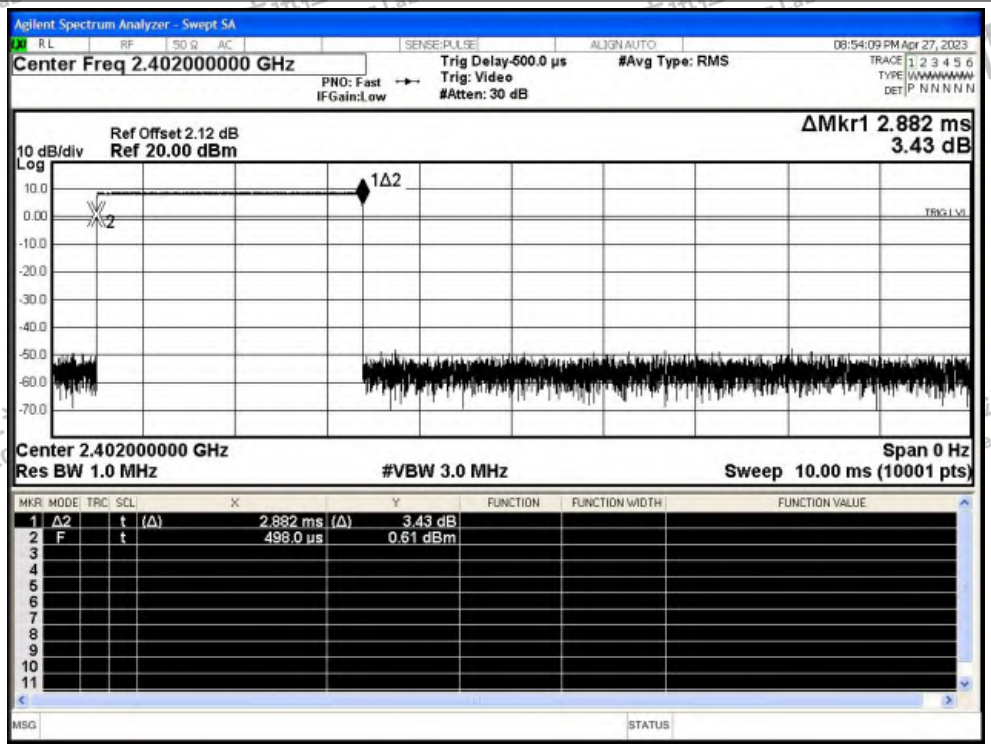


A.4 Dwell Time

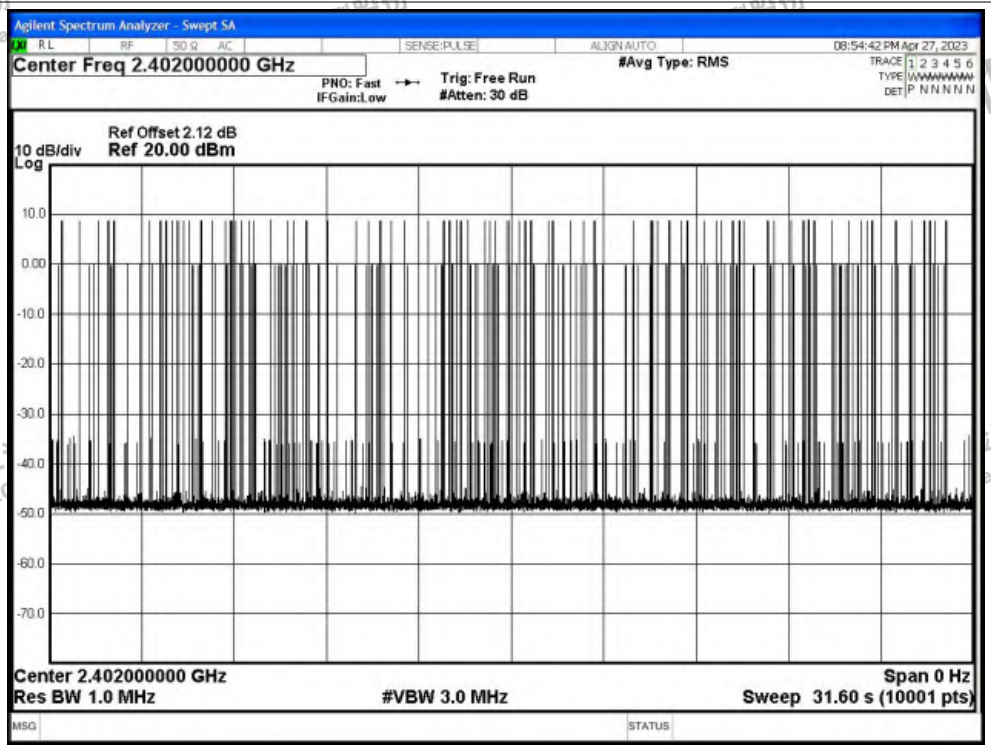
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	282.436	98	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	279.36	97	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	297.361	103	31600	400	Pass

Test Graphs

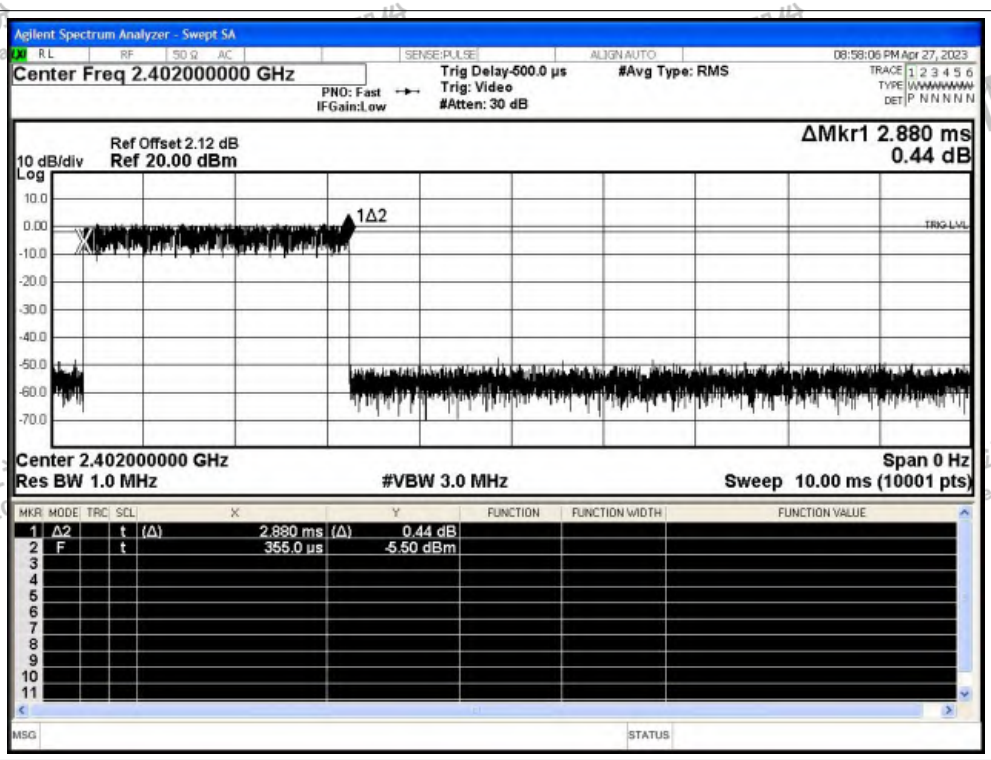
Dwell NVNT 1-DH5 2402MHz Ant1 One Burst



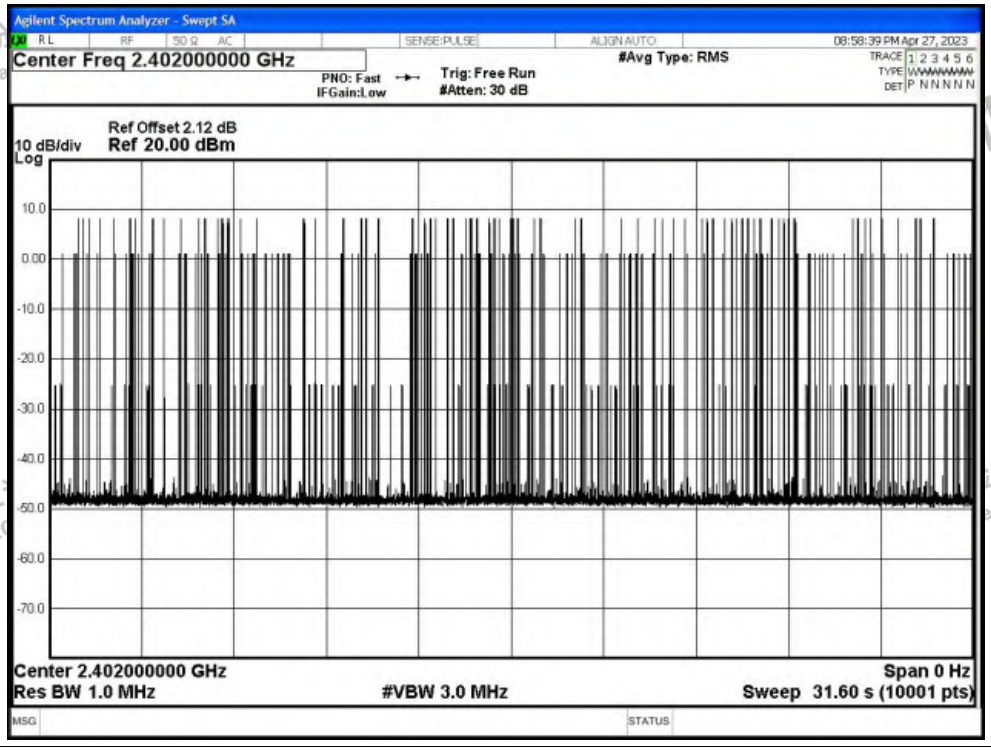
Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated



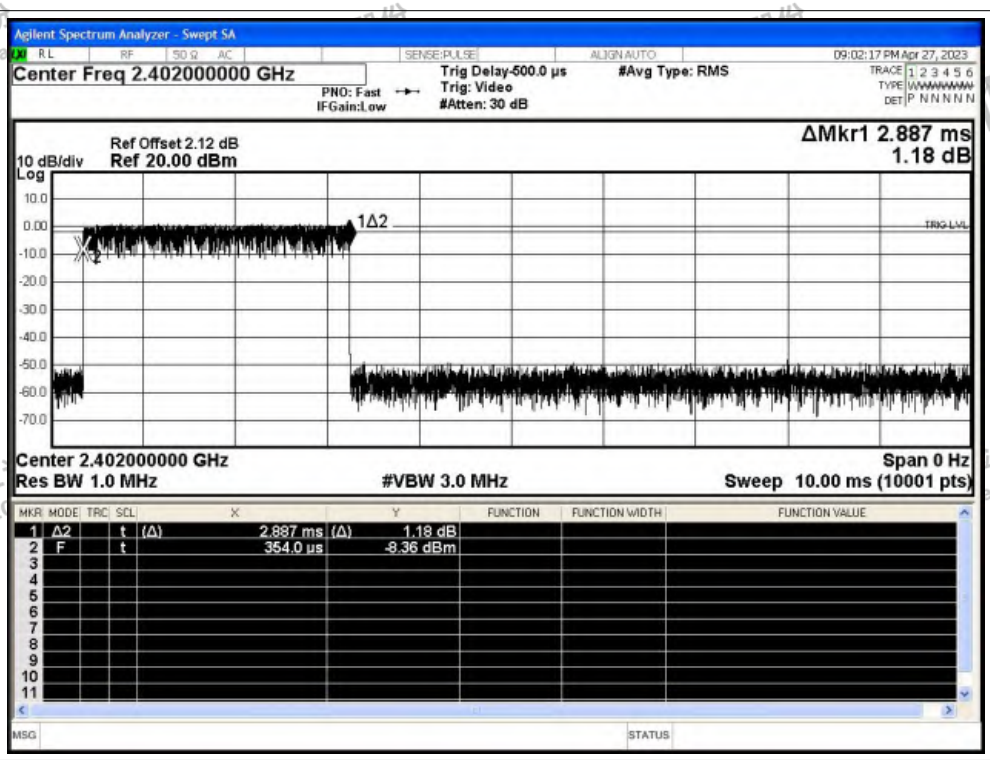
Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



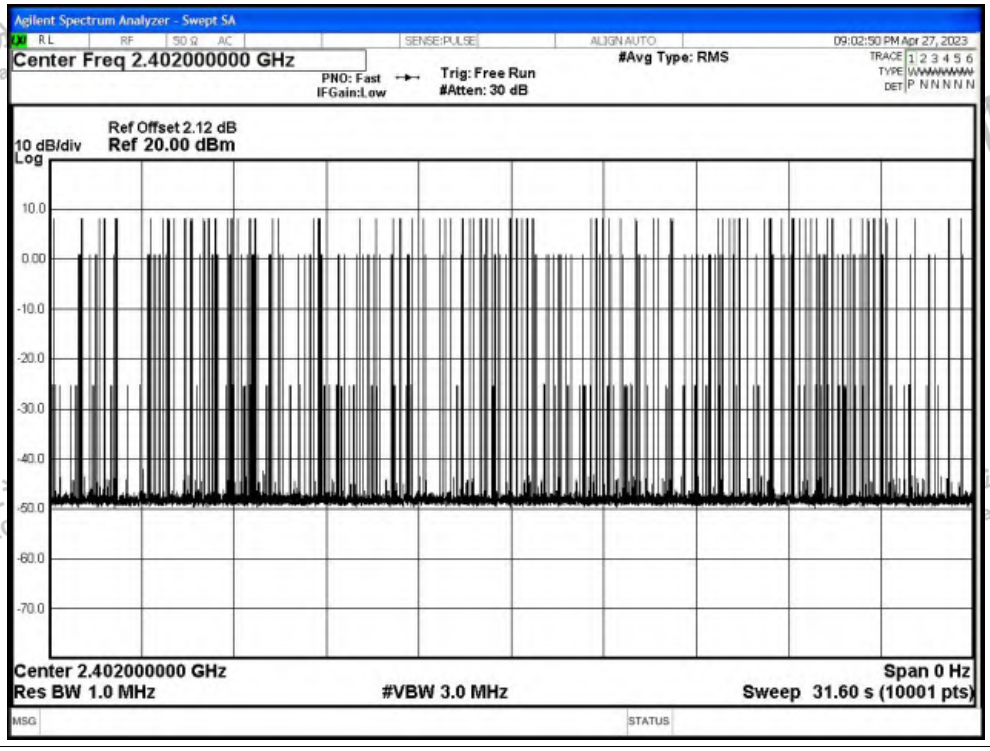
Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

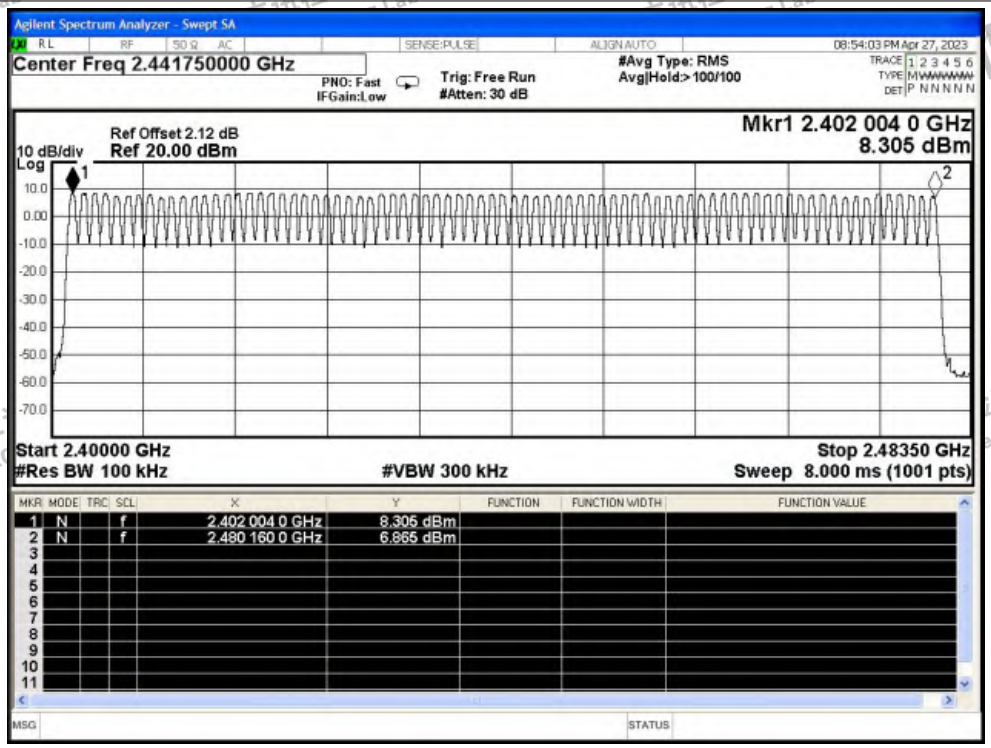


A.5 Number of Hopping Channel

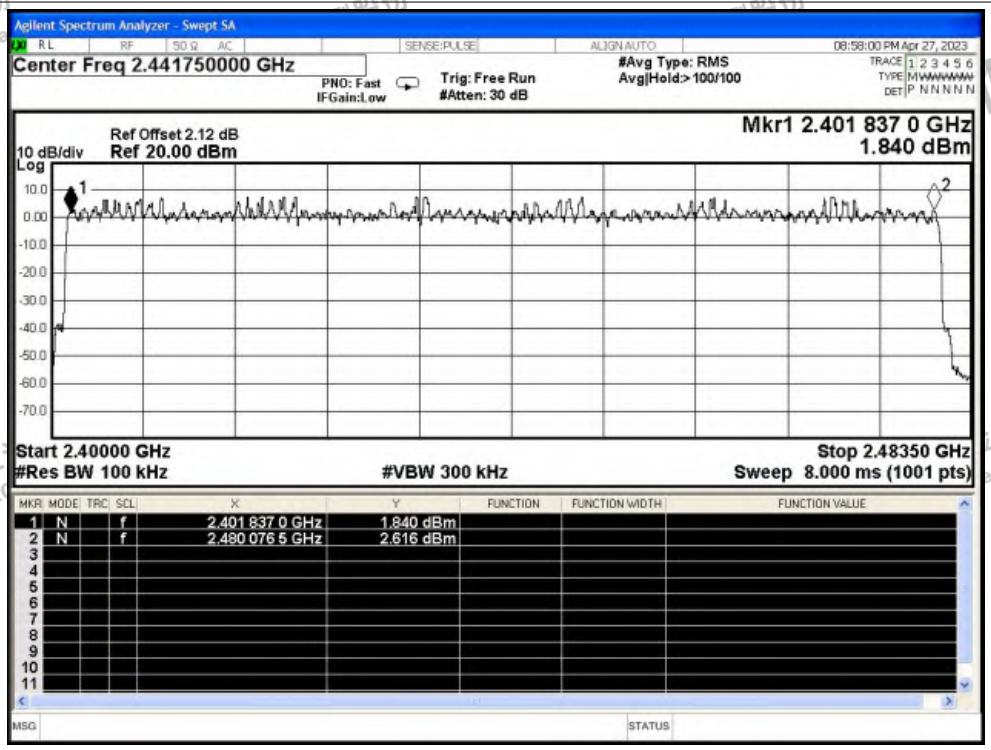
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

Test Graphs

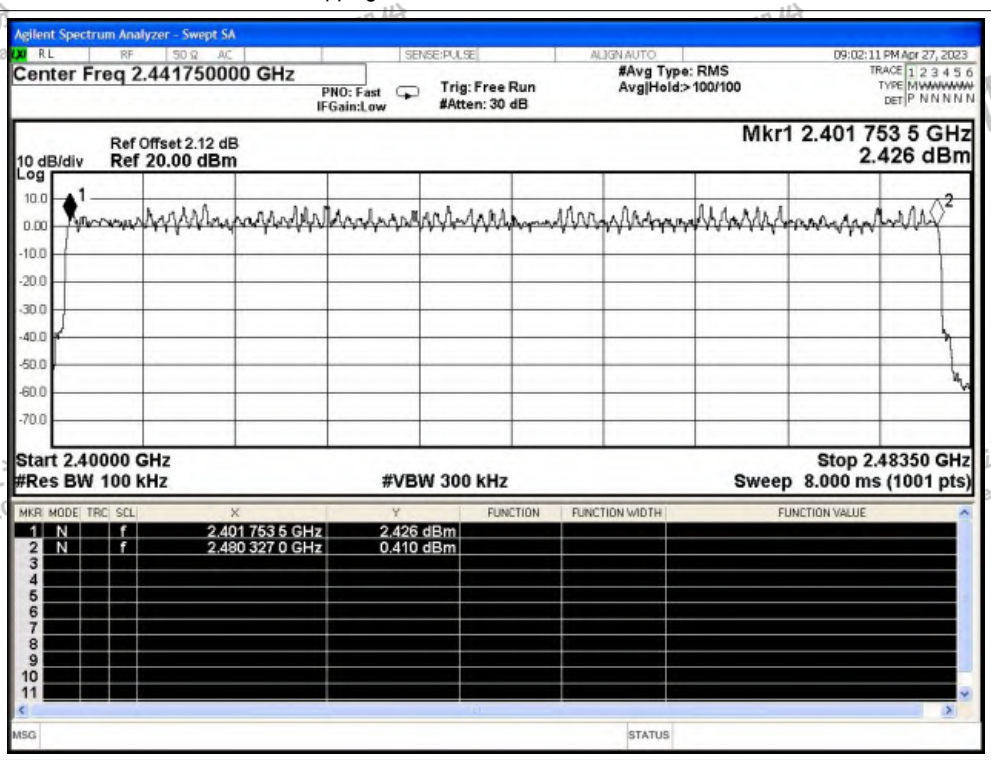
Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1



Hopping No. NVNT 3-DH5 2402MHz Ant1

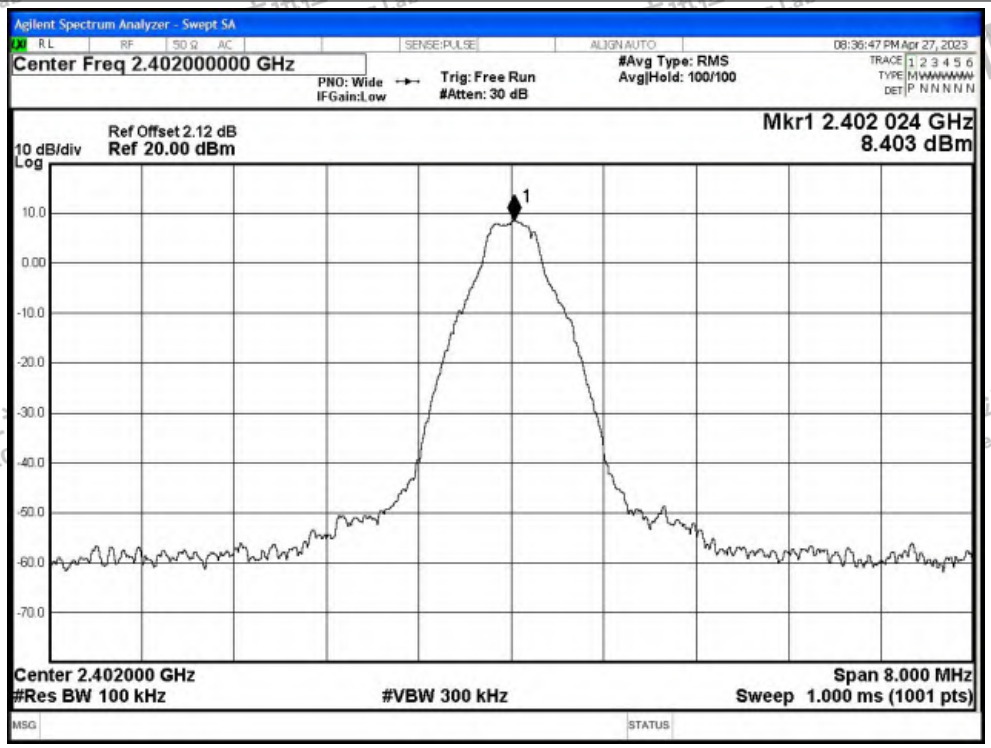


A.6 Band Edge

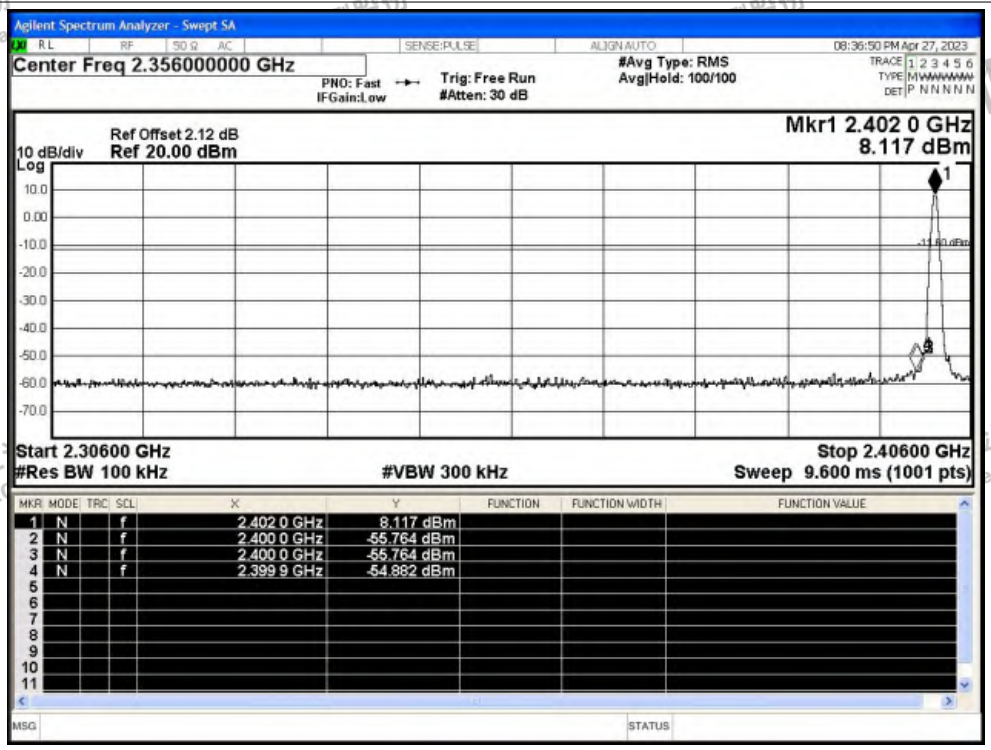
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-63.29	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-64.44	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-59.17	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-63.27	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-60.32	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-62.27	-20	Pass

Test Graphs

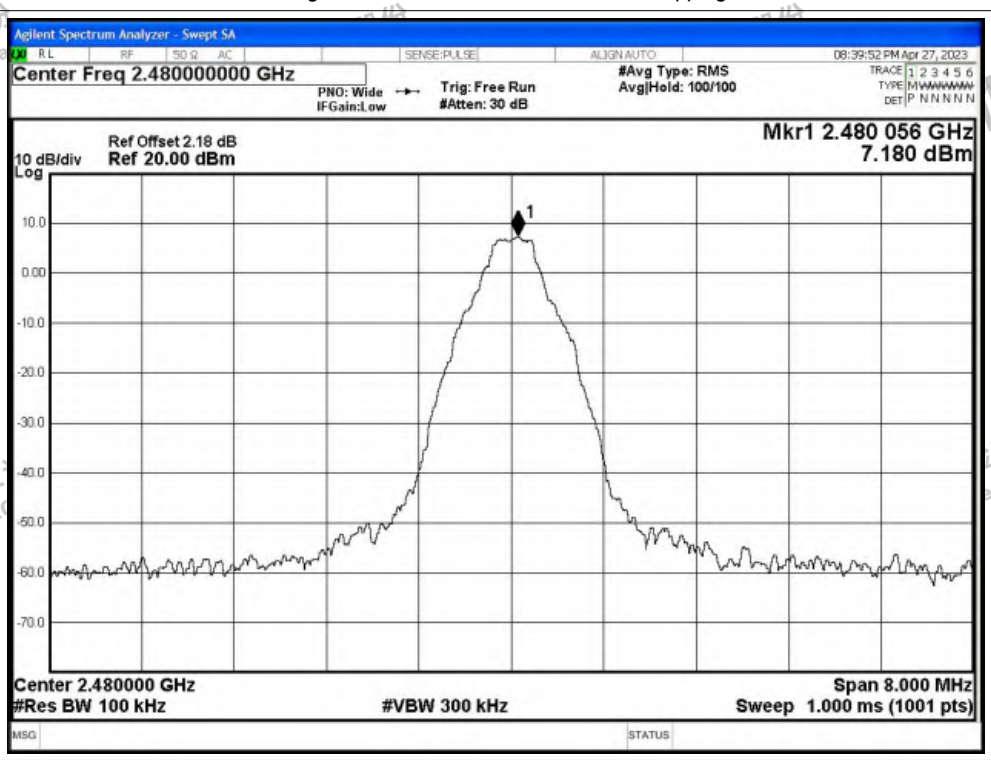
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



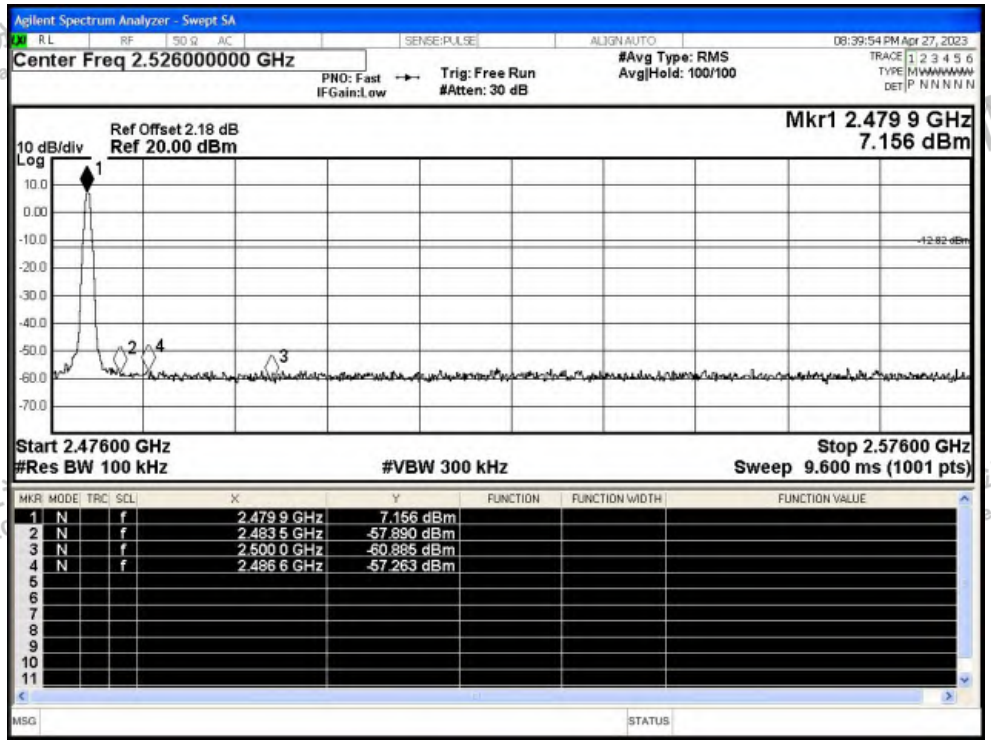
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



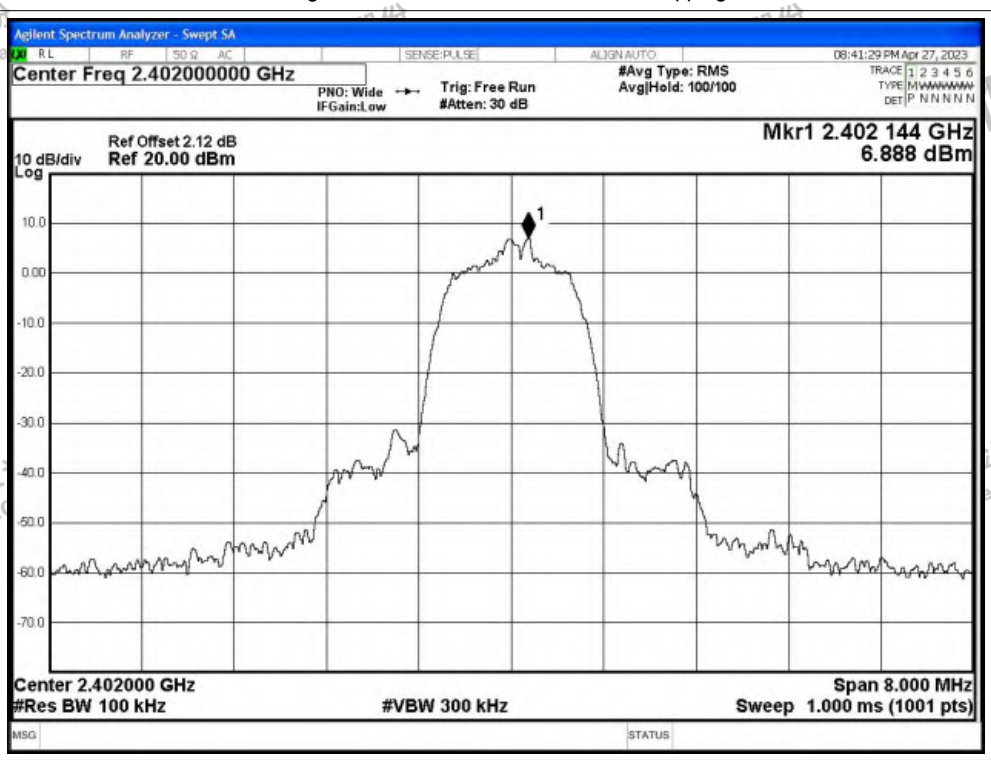
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



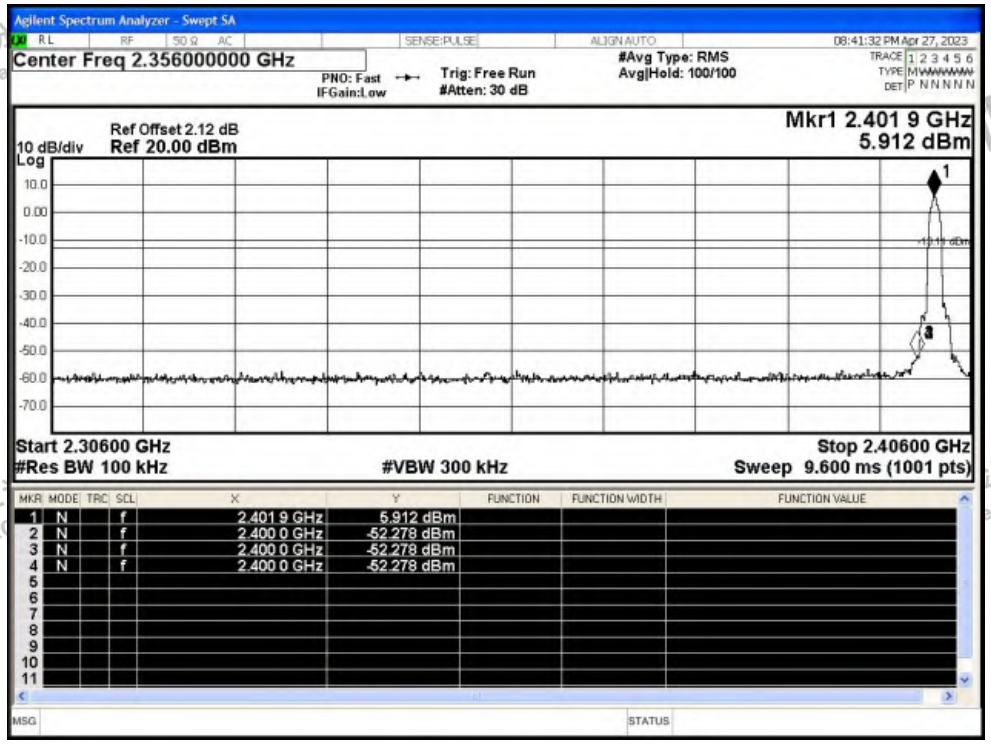
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



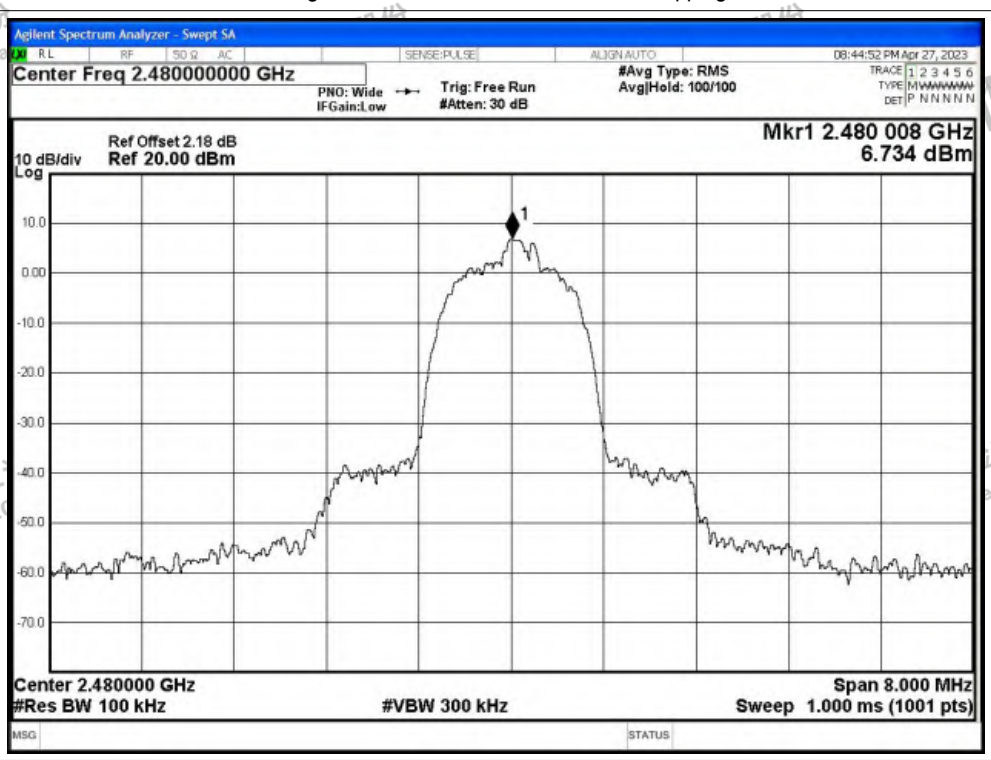
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



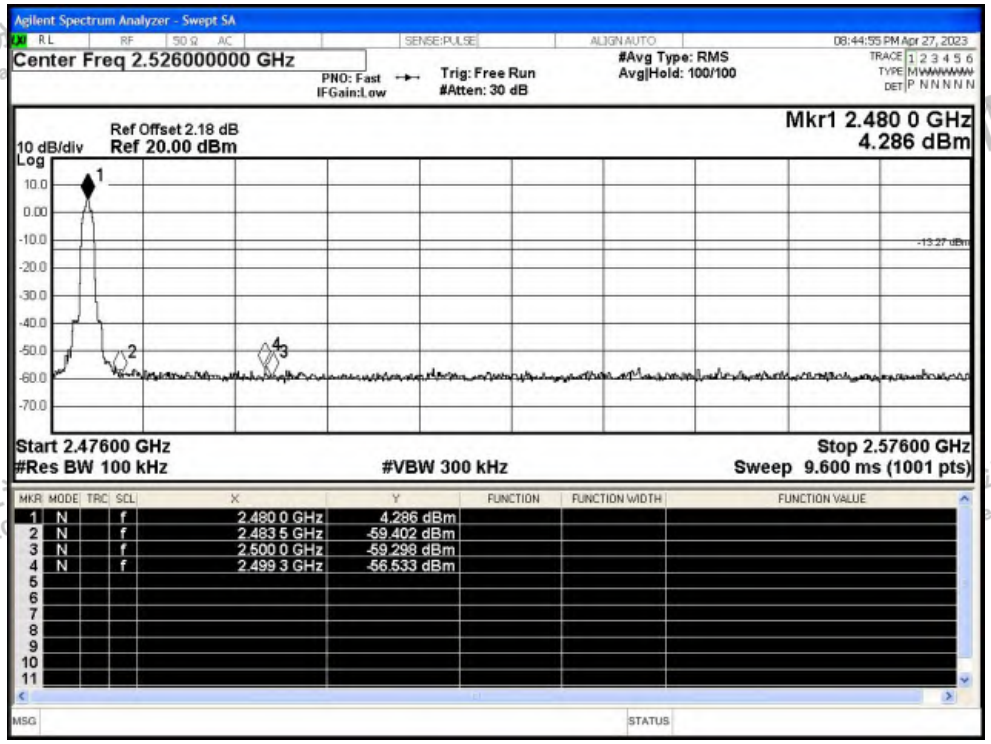
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



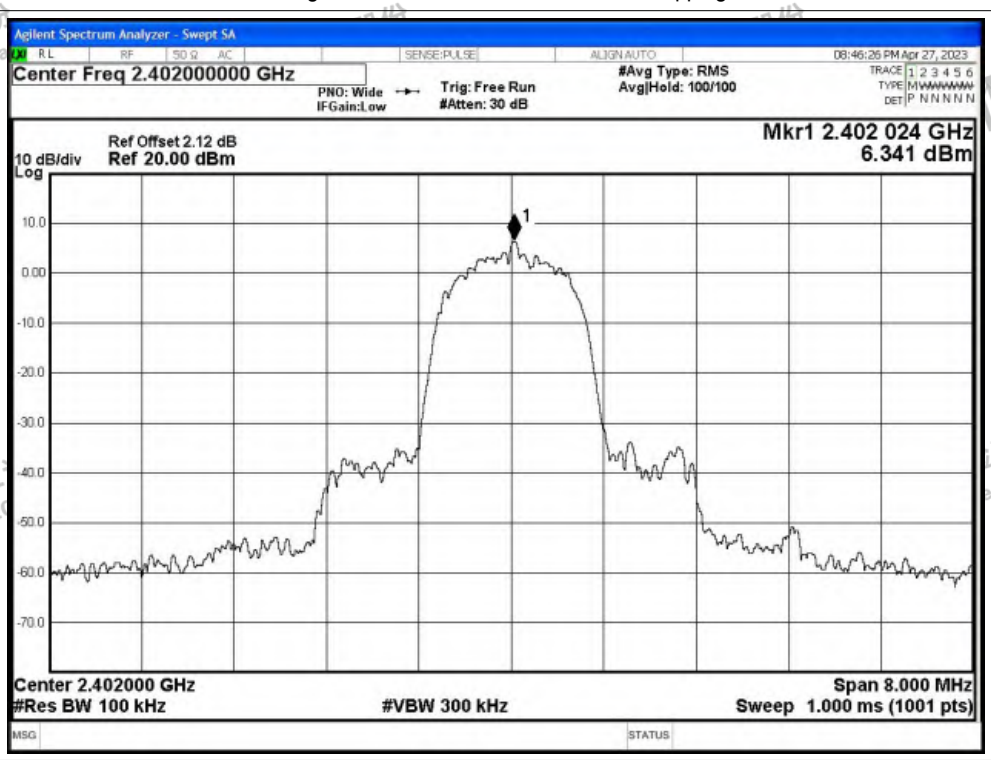
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



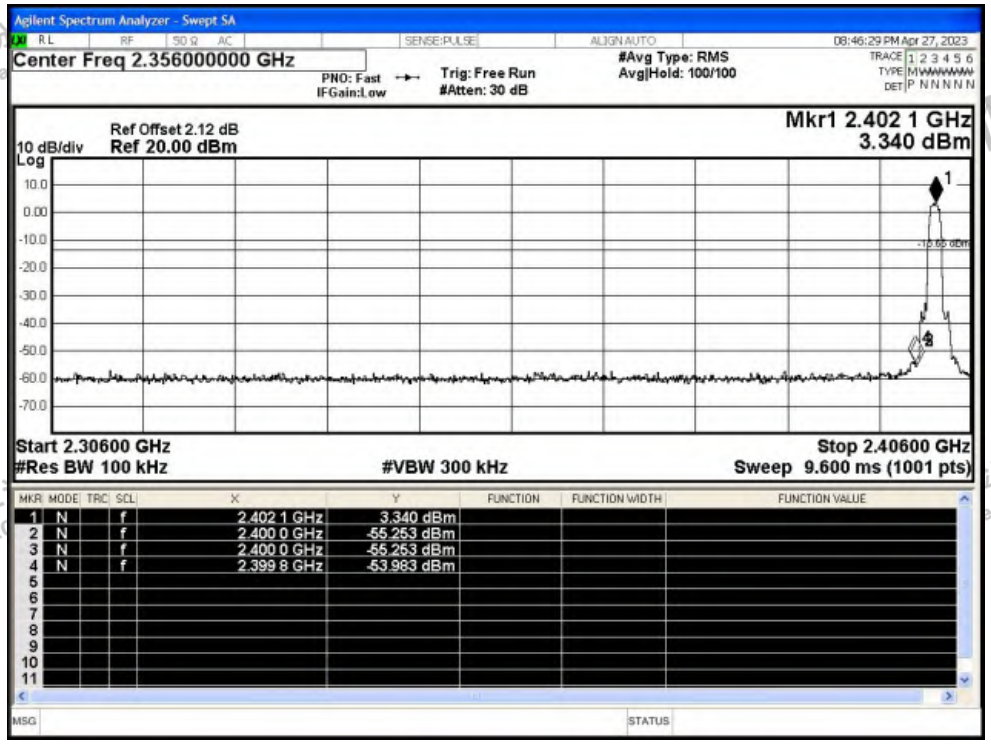
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



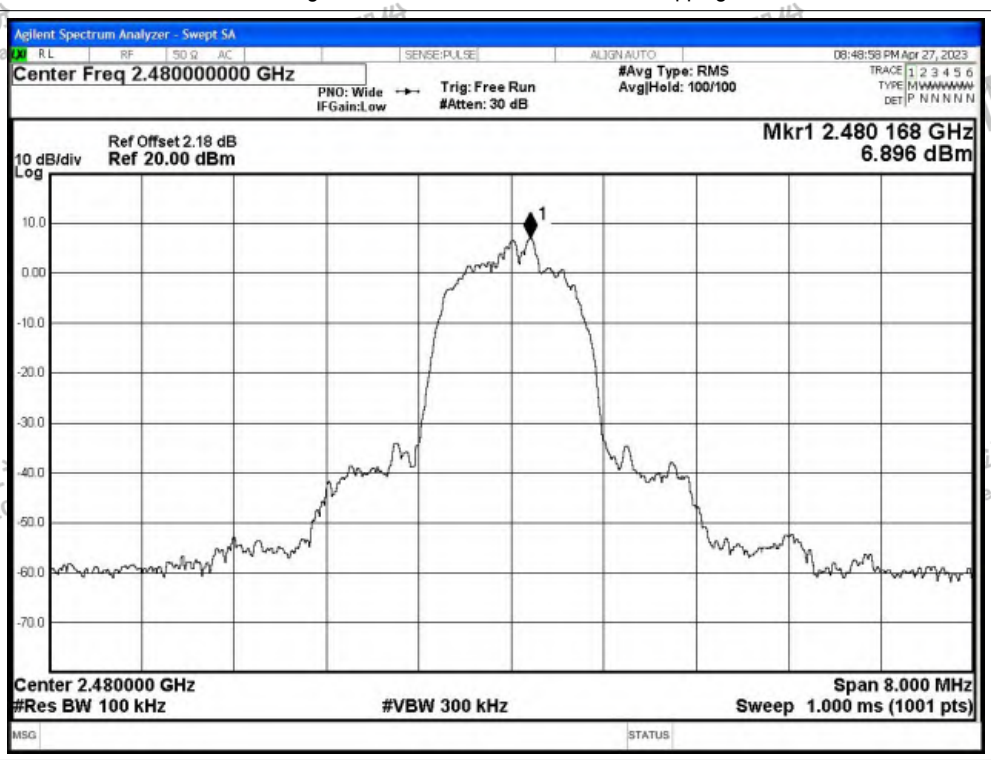
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



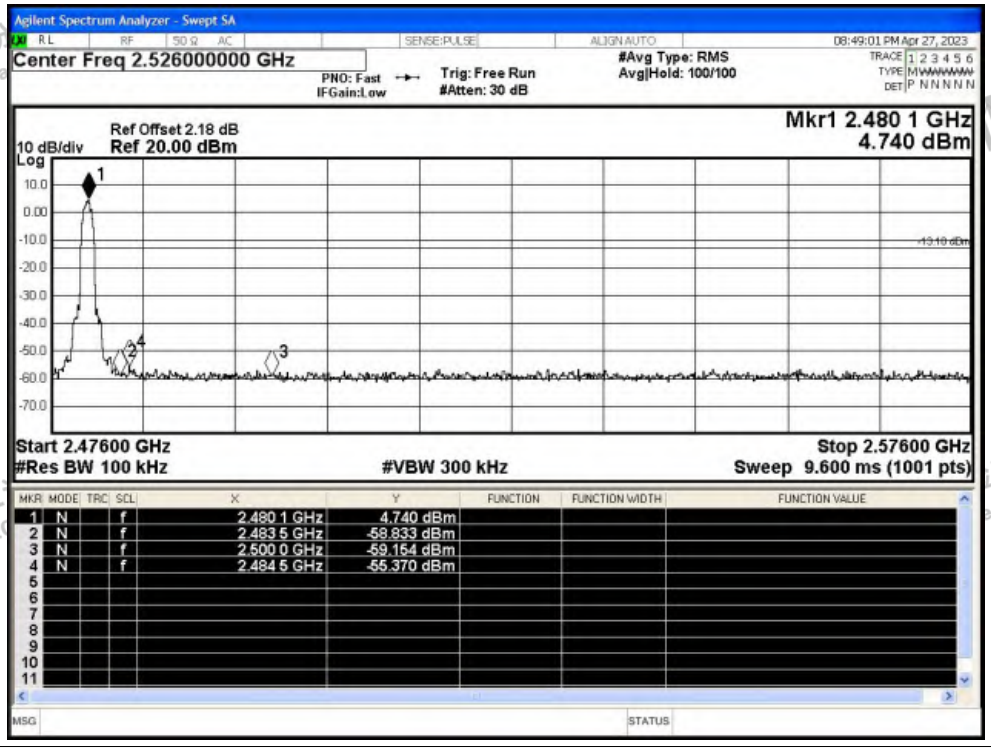
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

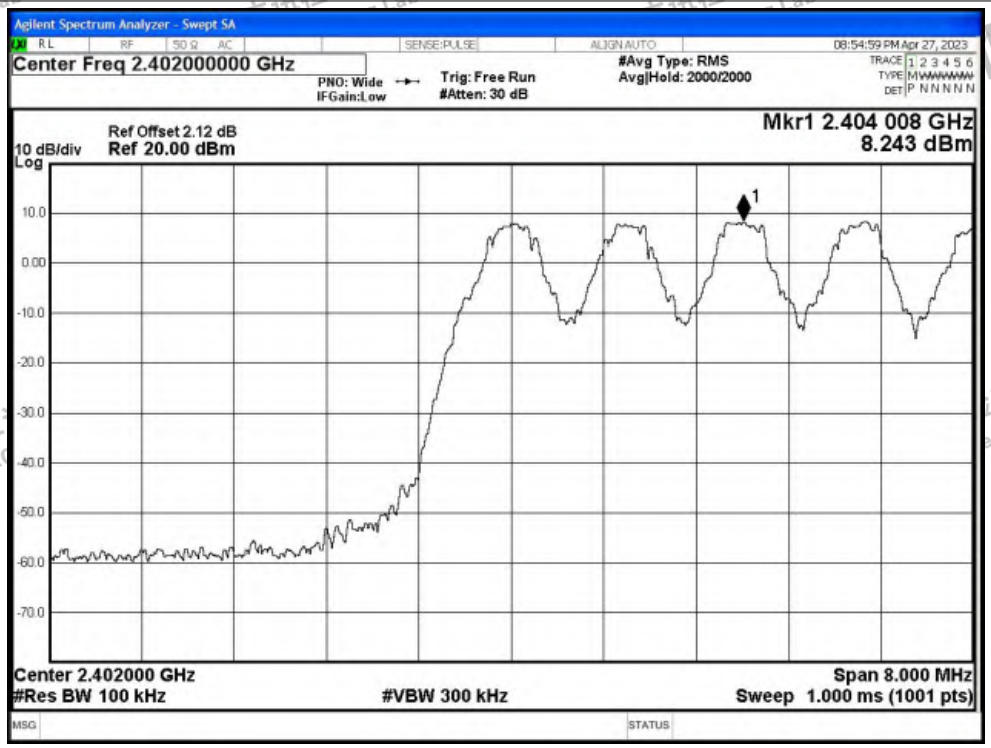


(Hopping)

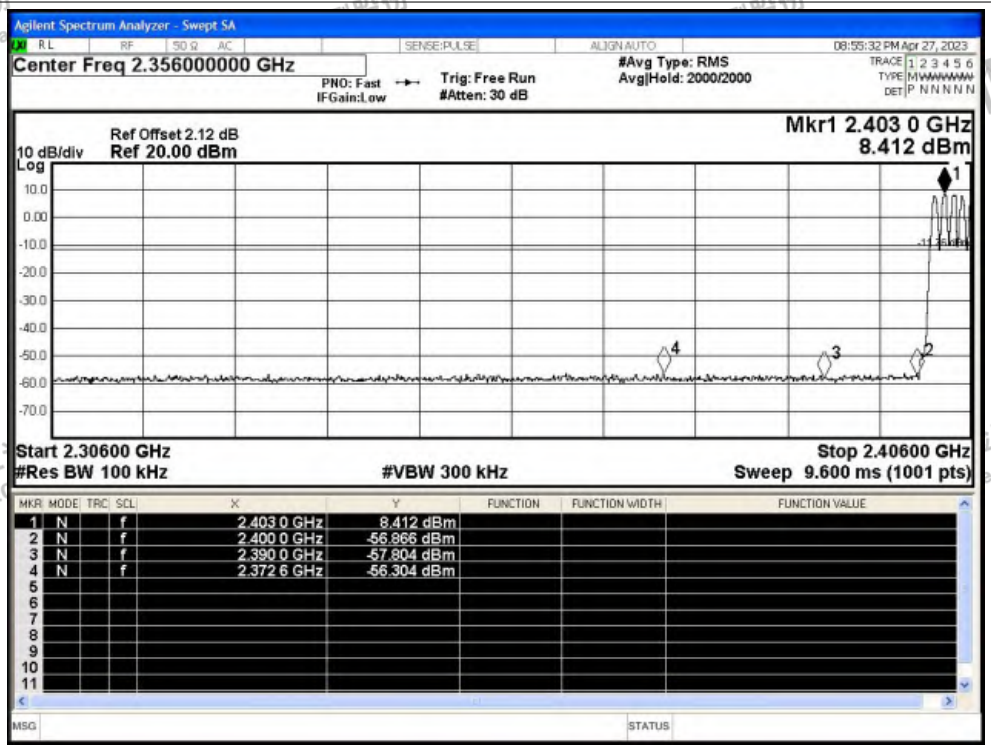
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-64.55	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-64.49	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-62.31	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-62.66	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-63.87	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-62.03	-20	Pass

Test Graphs

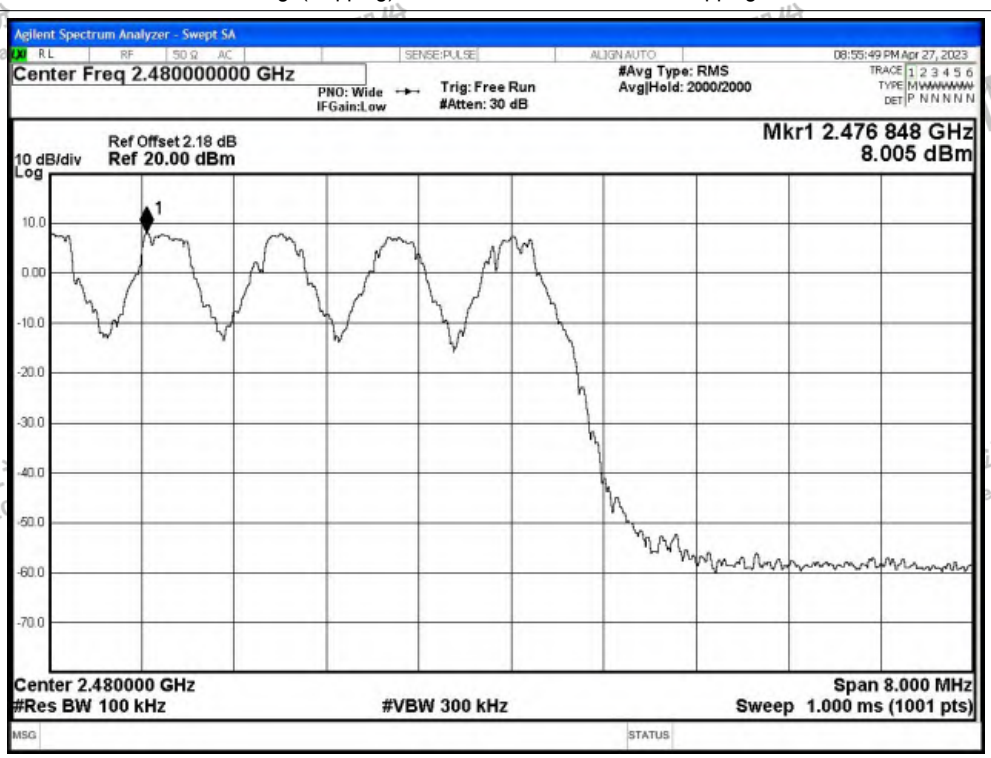
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



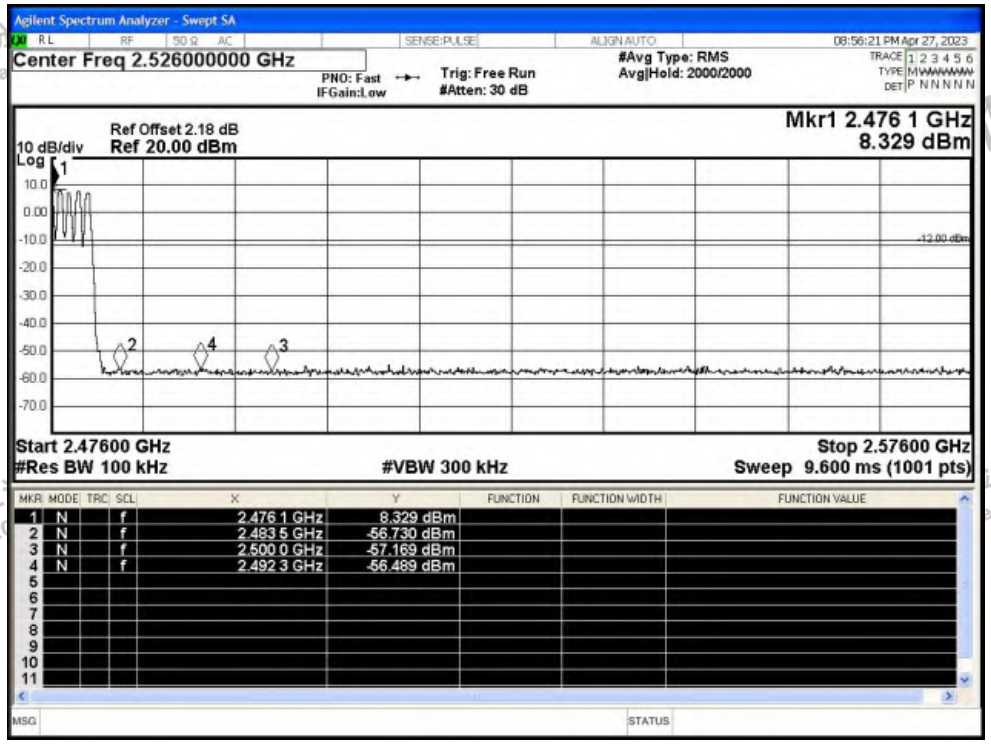
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

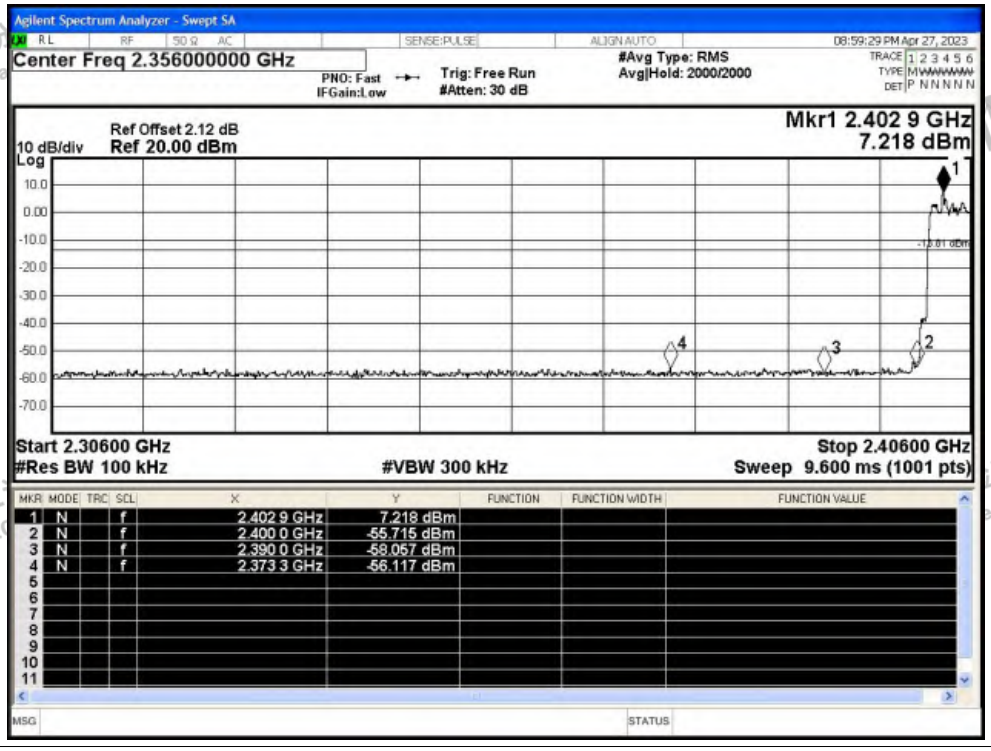


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

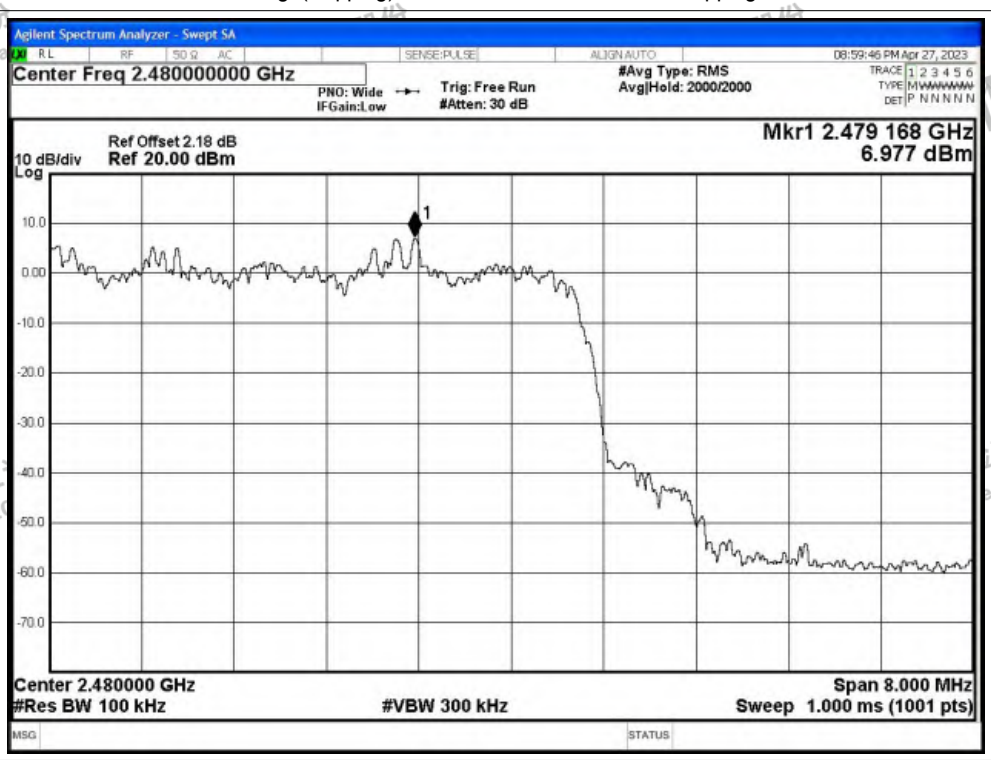


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

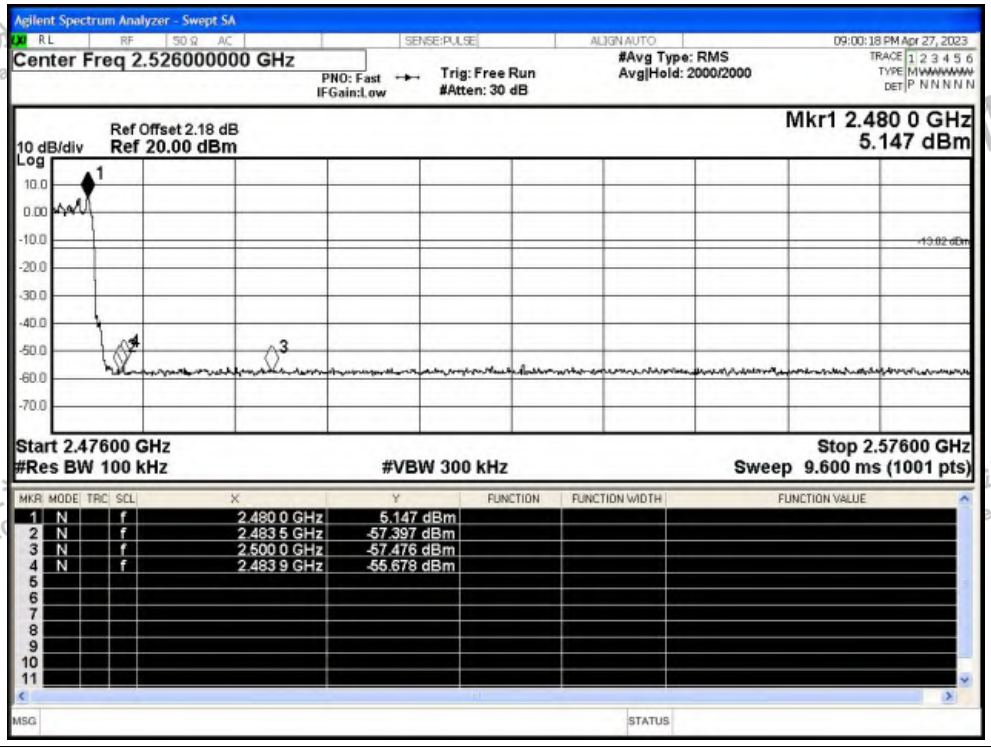
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

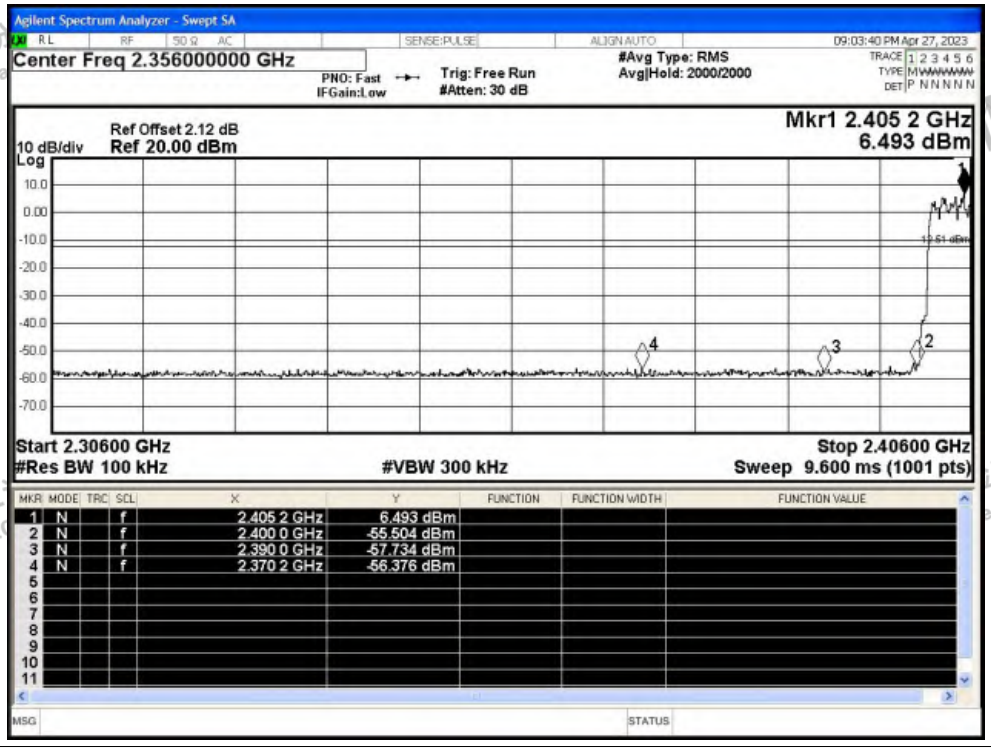


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

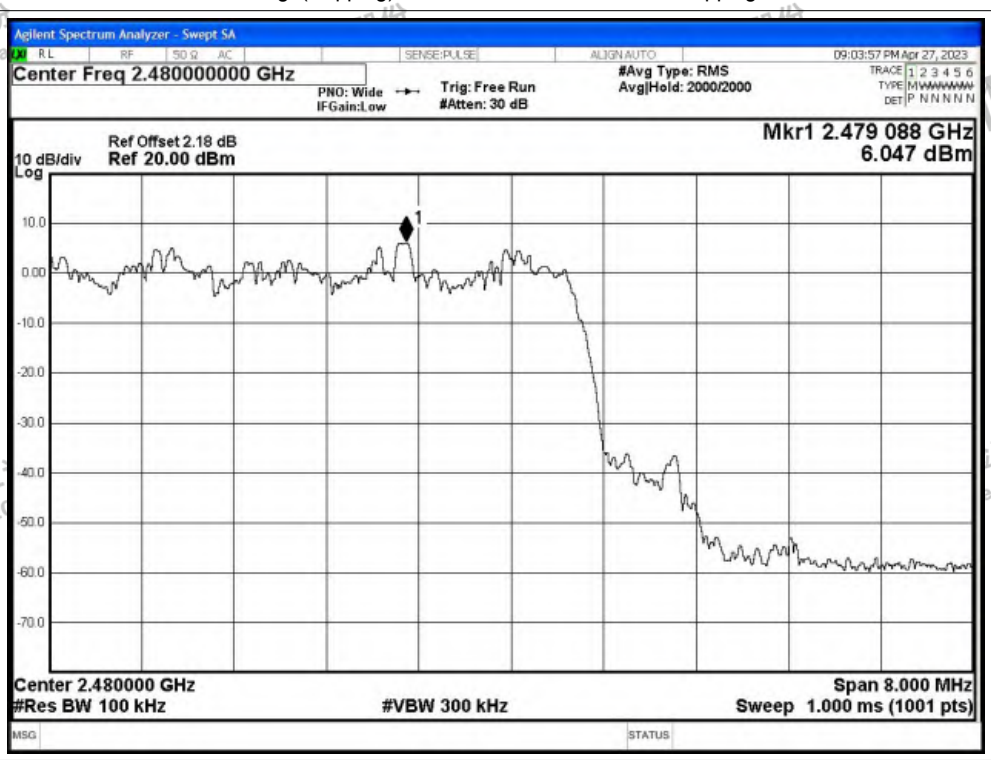


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

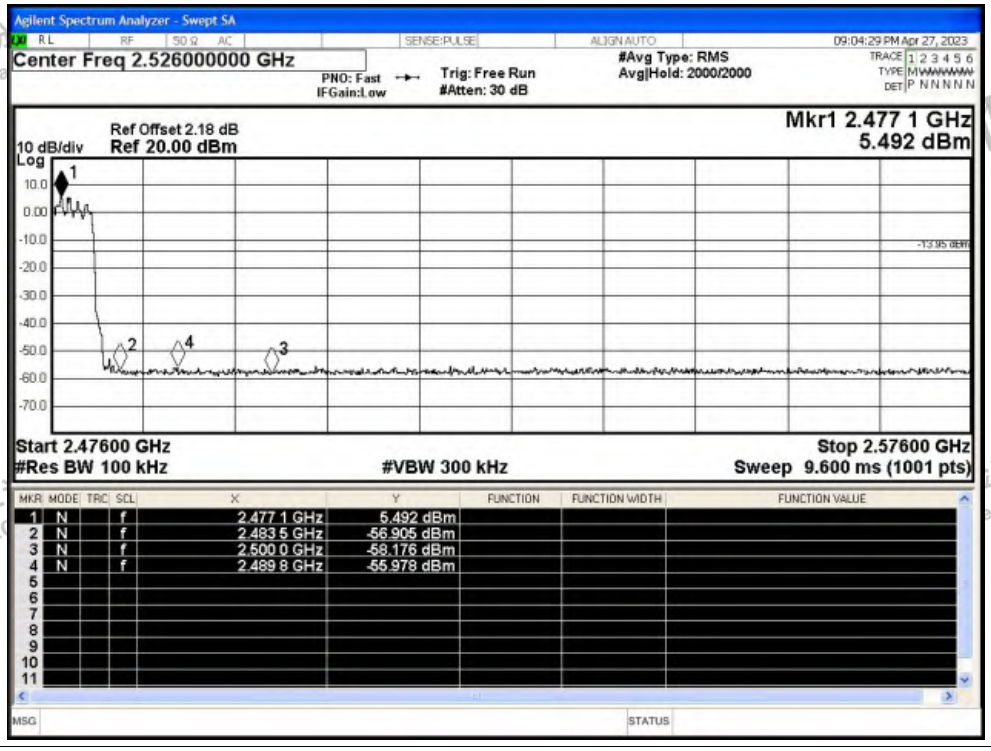
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

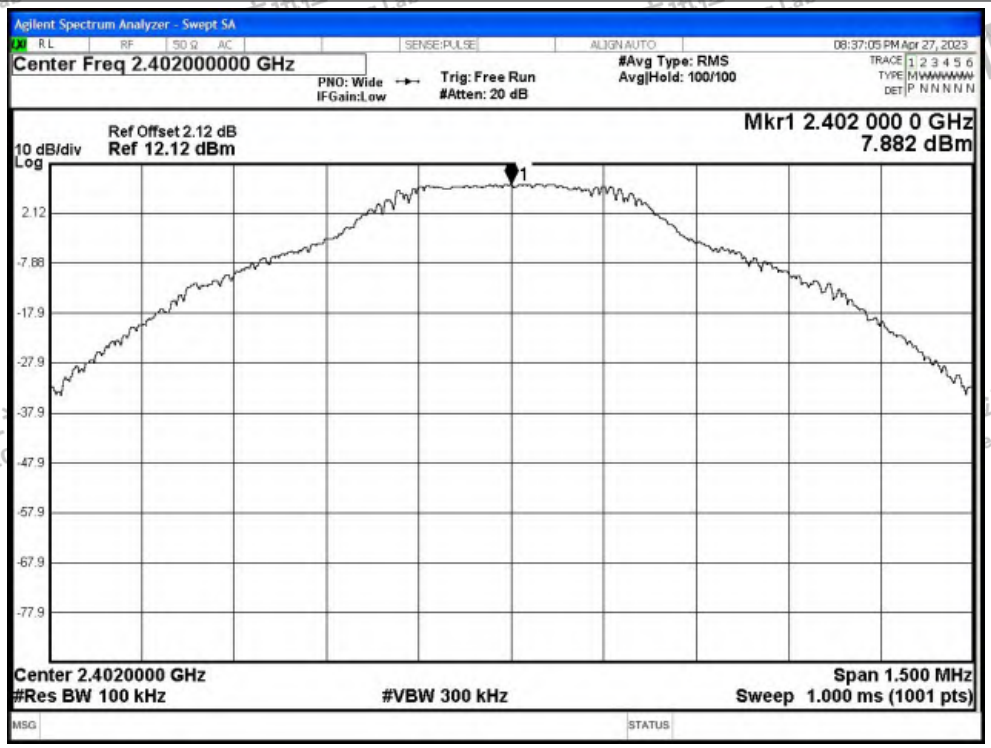


A.7 Conducted RF Spurious Emission

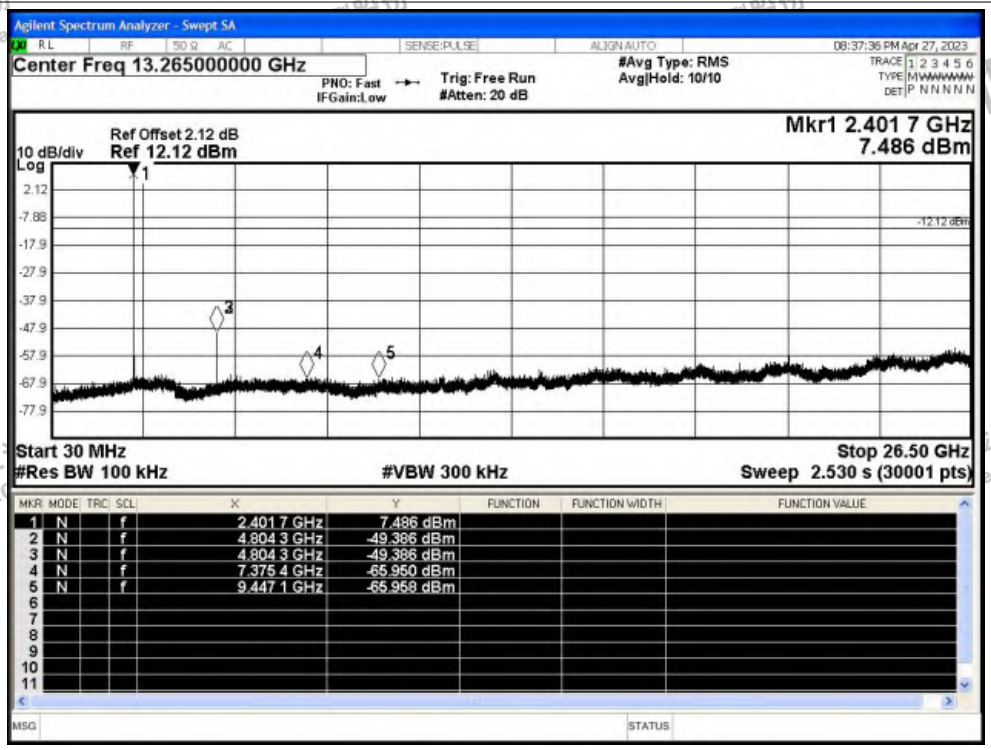
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-57.27	-20	Pass
NVNT	1-DH5	2441	Ant1	-58.64	-20	Pass
NVNT	1-DH5	2480	Ant1	-60.06	-20	Pass
NVNT	2-DH5	2402	Ant1	-61.56	-20	Pass
NVNT	2-DH5	2441	Ant1	-62.12	-20	Pass
NVNT	2-DH5	2480	Ant1	-59.29	-20	Pass
NVNT	3-DH5	2402	Ant1	-61.12	-20	Pass
NVNT	3-DH5	2441	Ant1	-62.01	-20	Pass
NVNT	3-DH5	2480	Ant1	-61.8	-20	Pass

Test Graphs

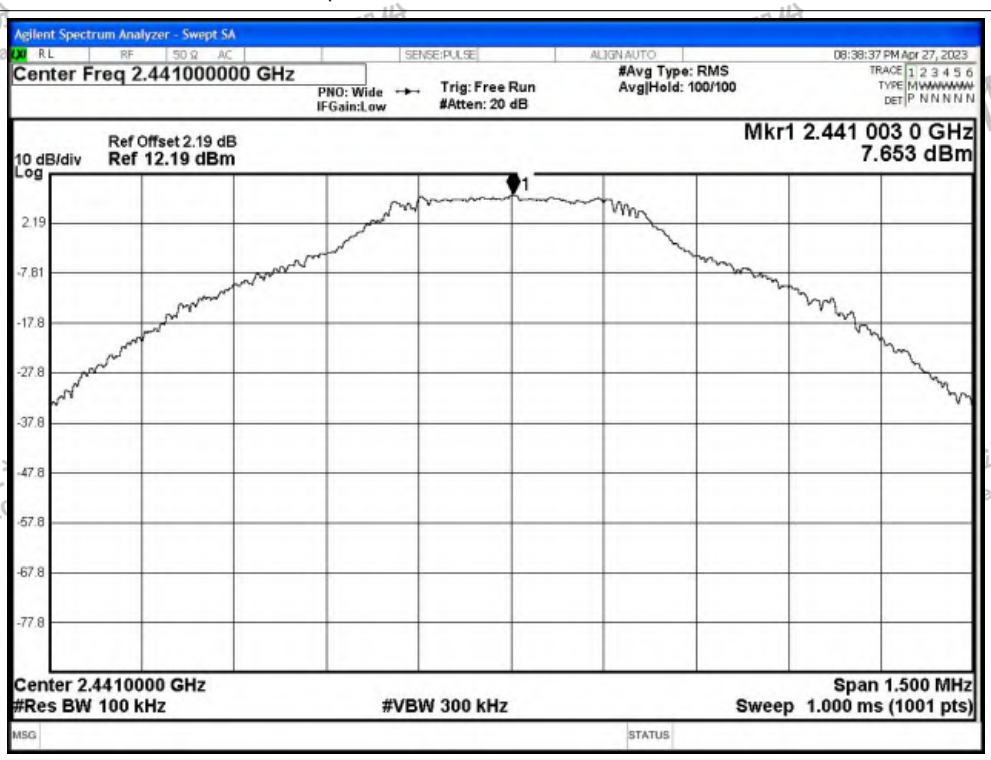
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref



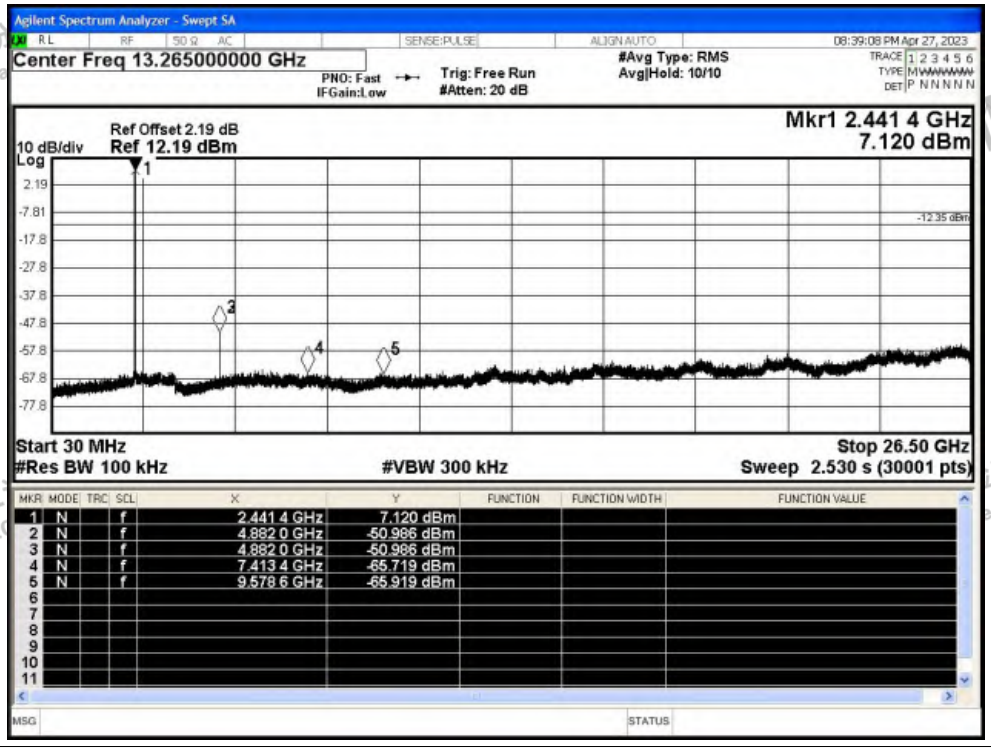
Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission



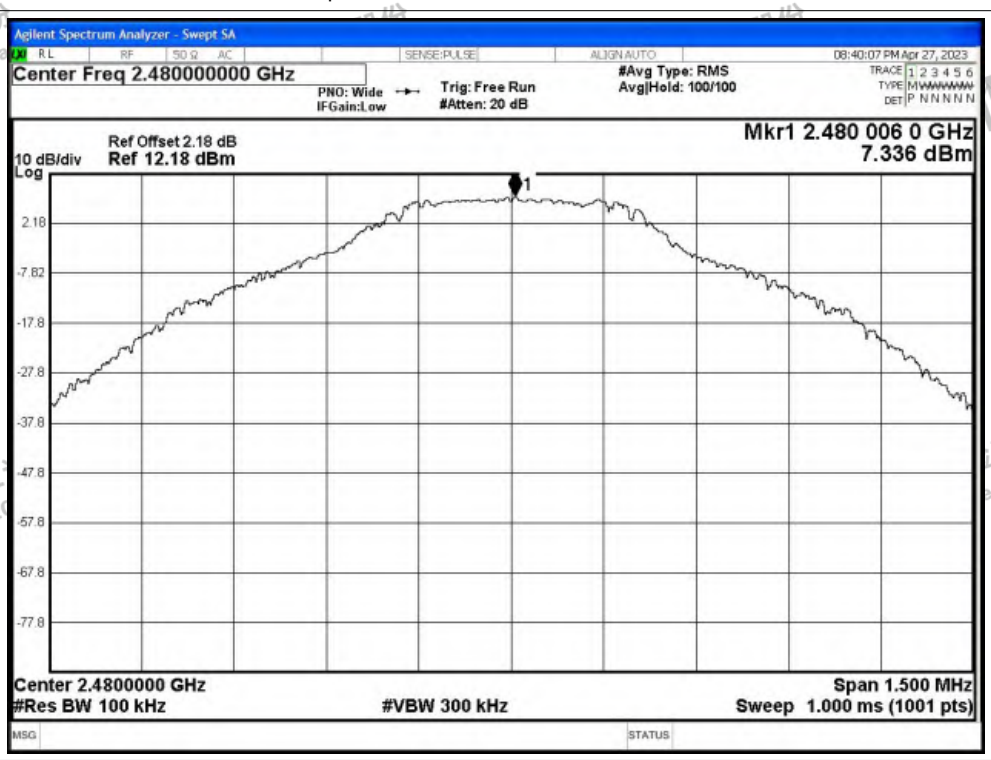
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



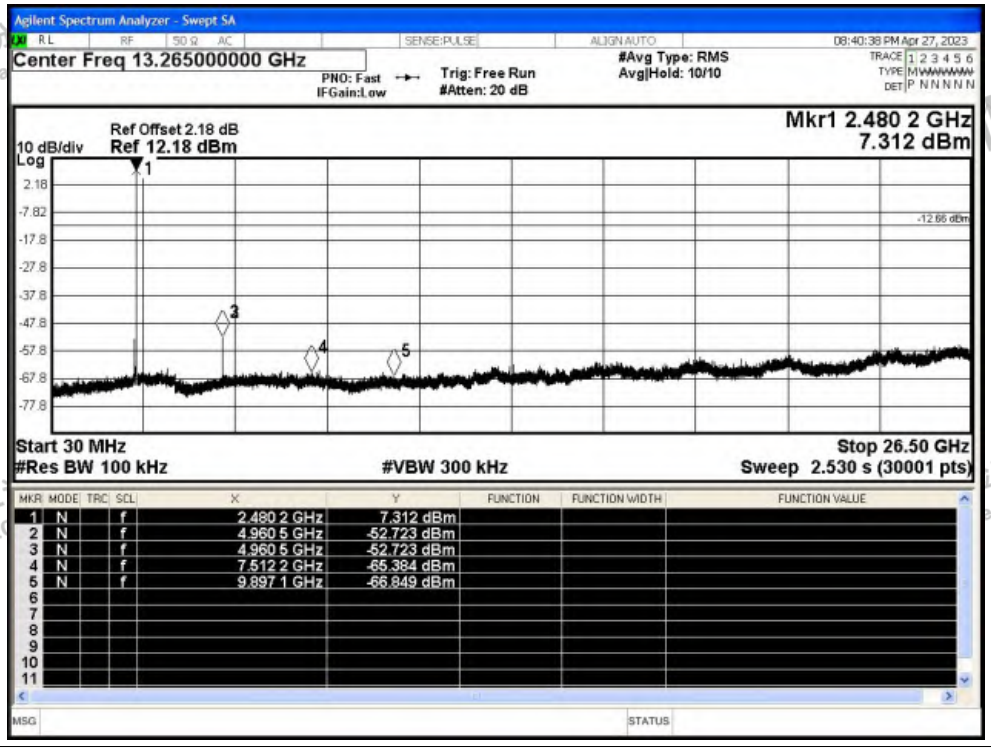
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



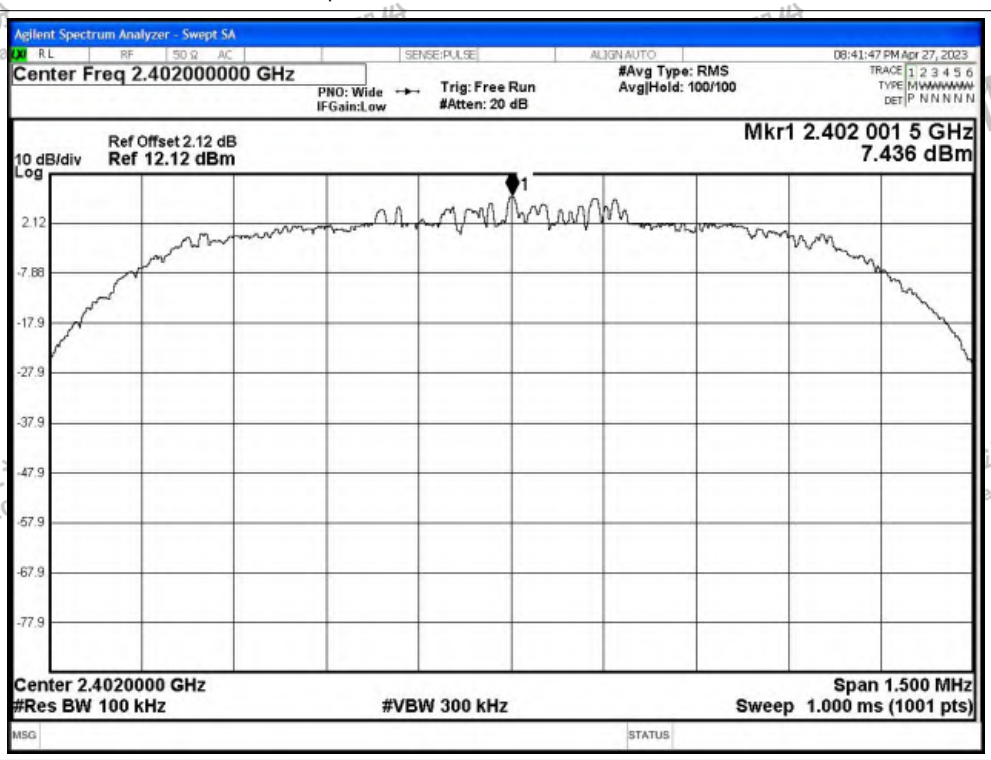
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



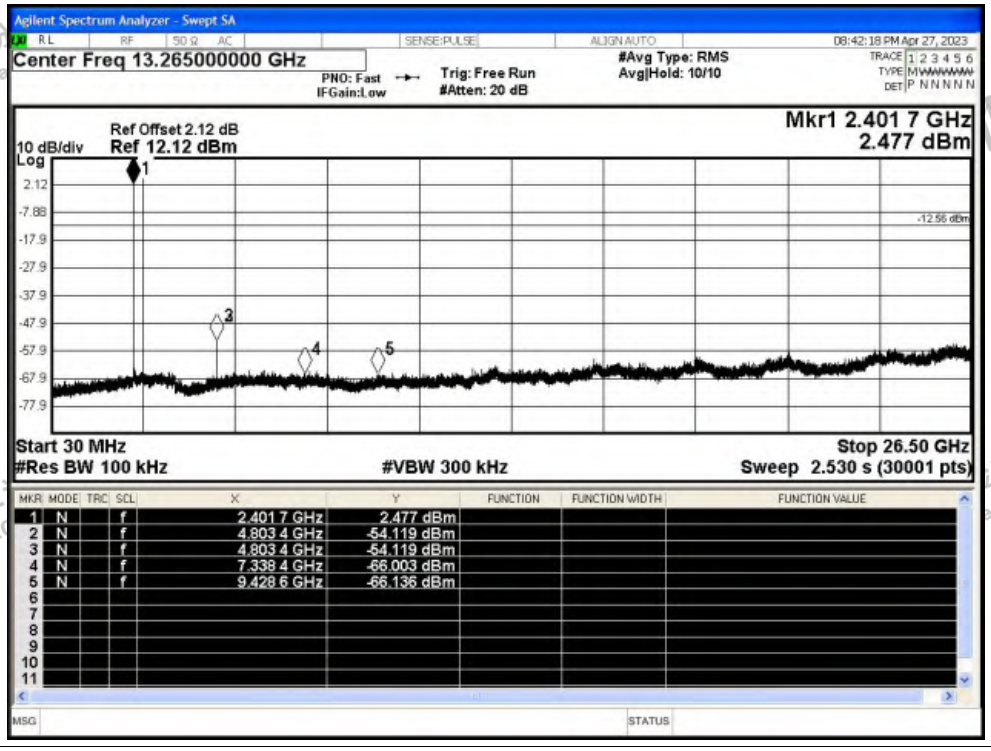
Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission



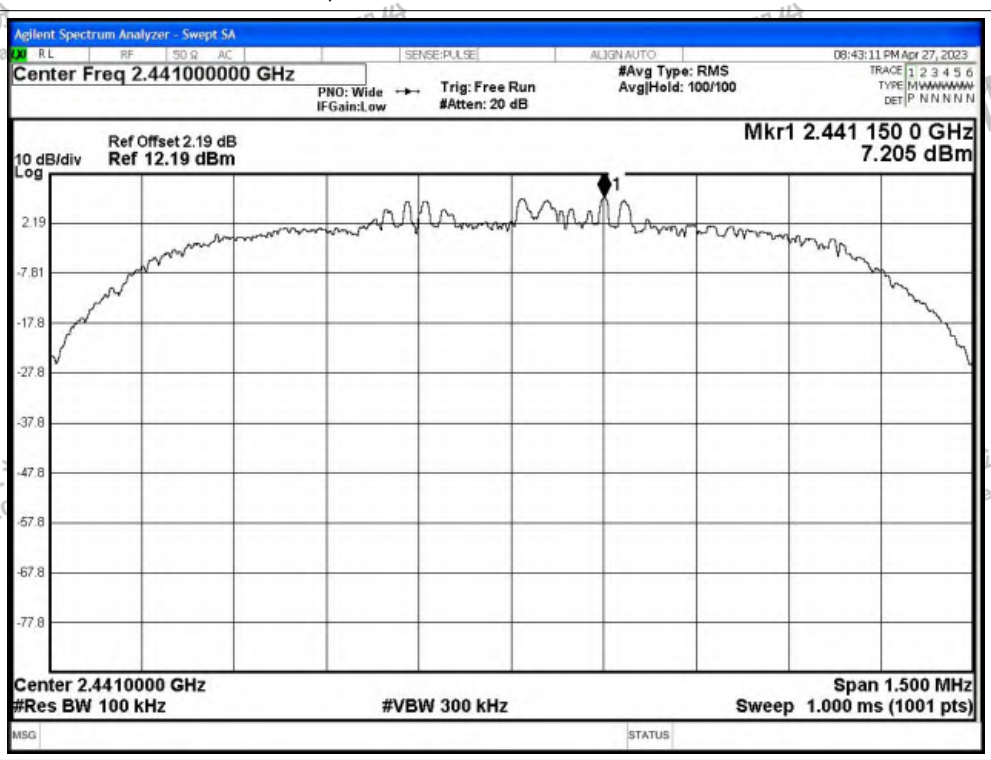
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



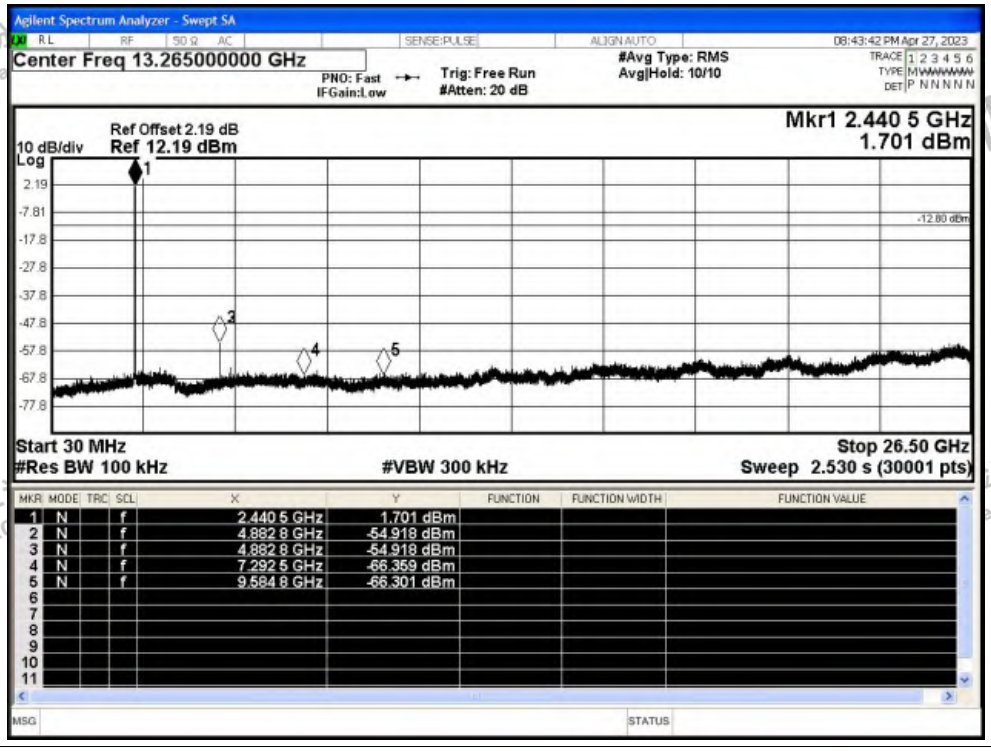
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



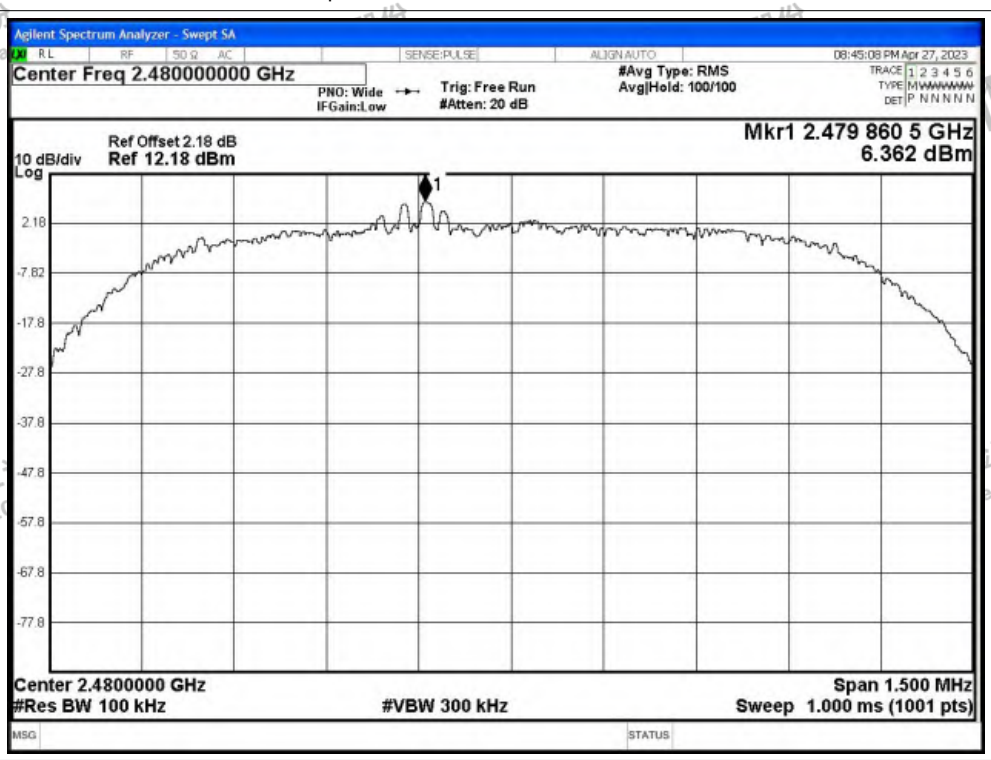
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



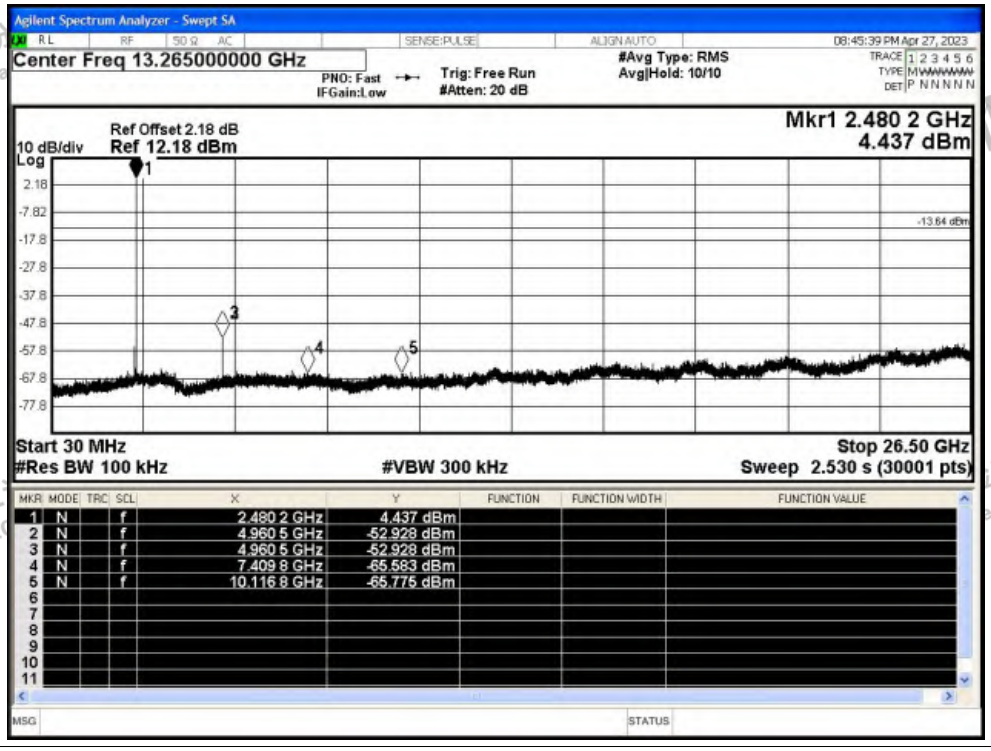
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



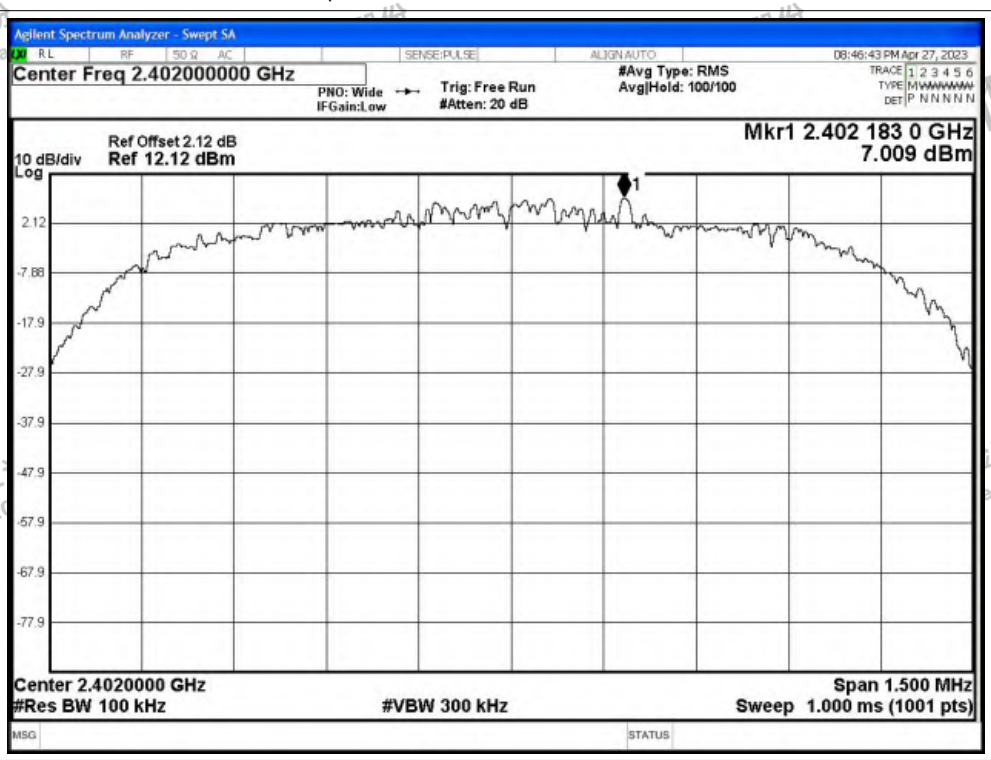
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



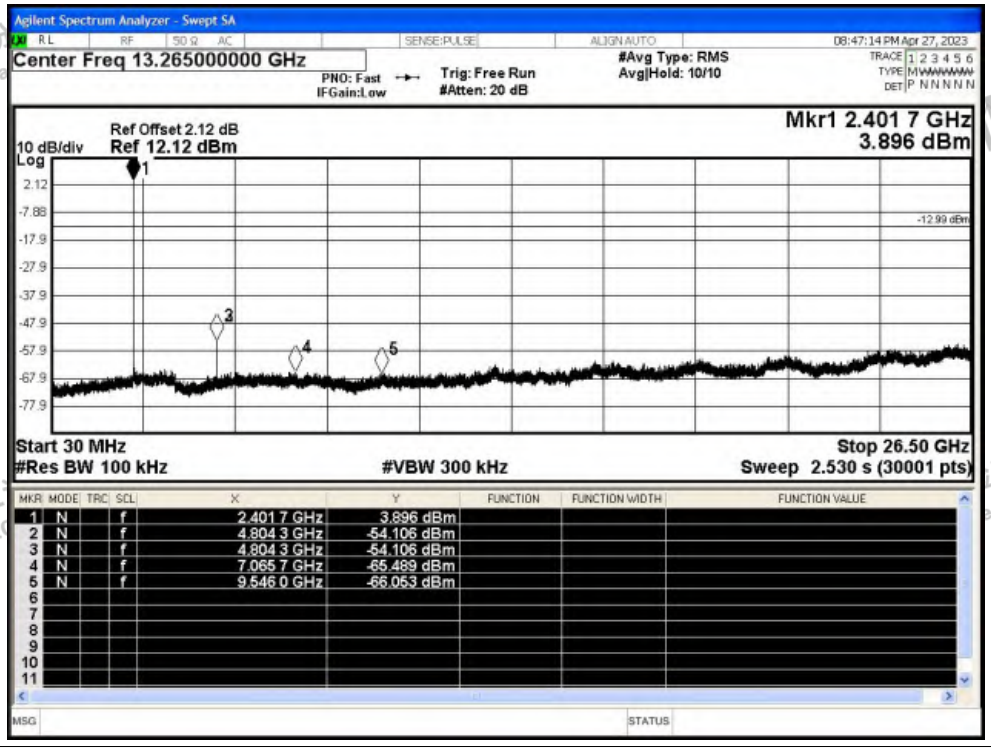
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



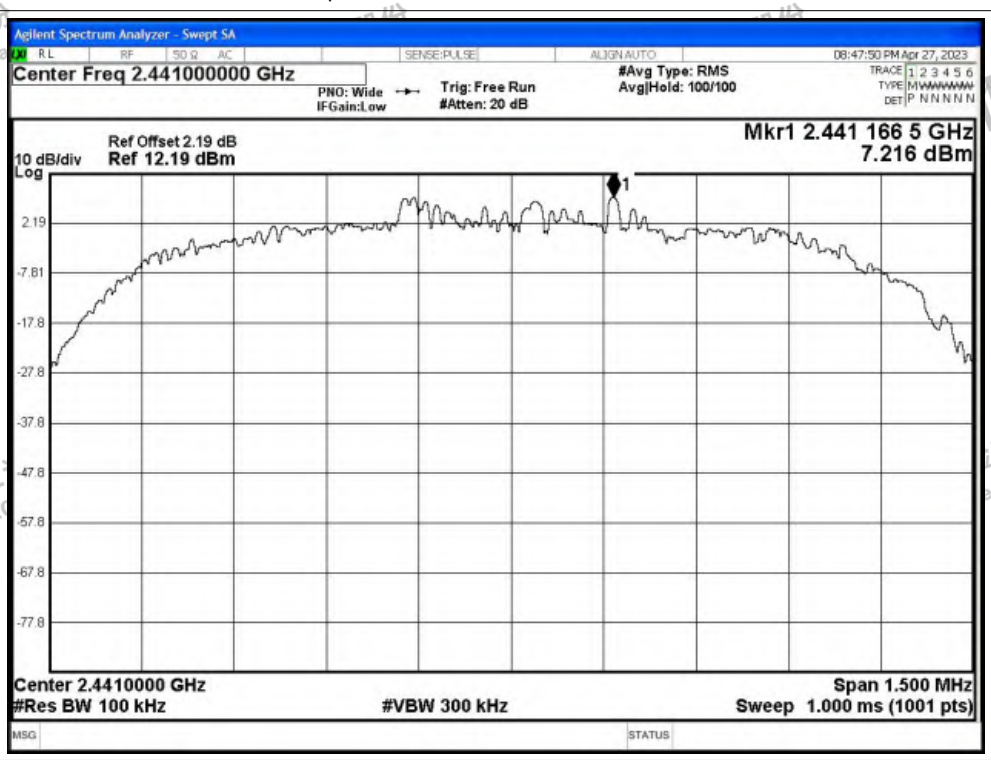
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



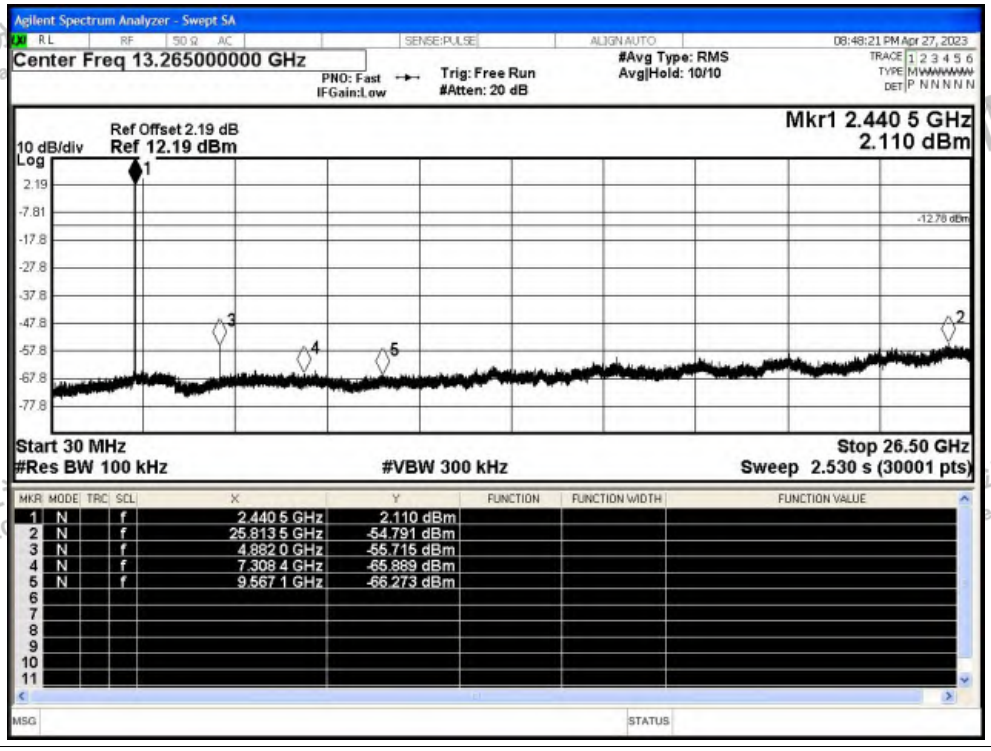
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission



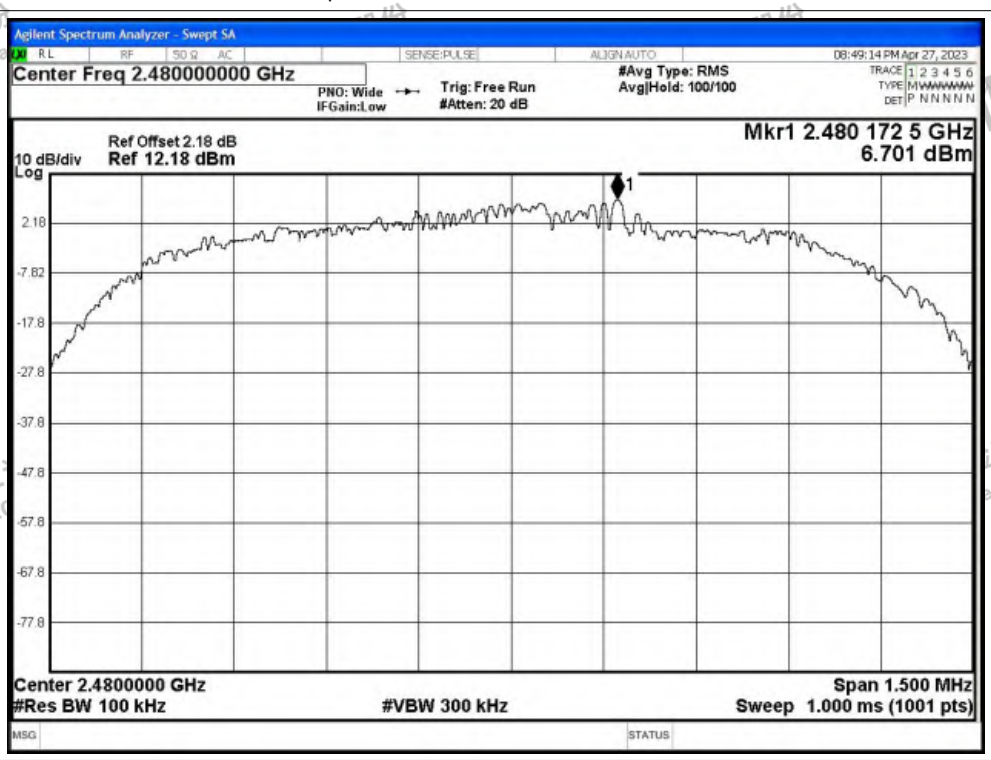
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref



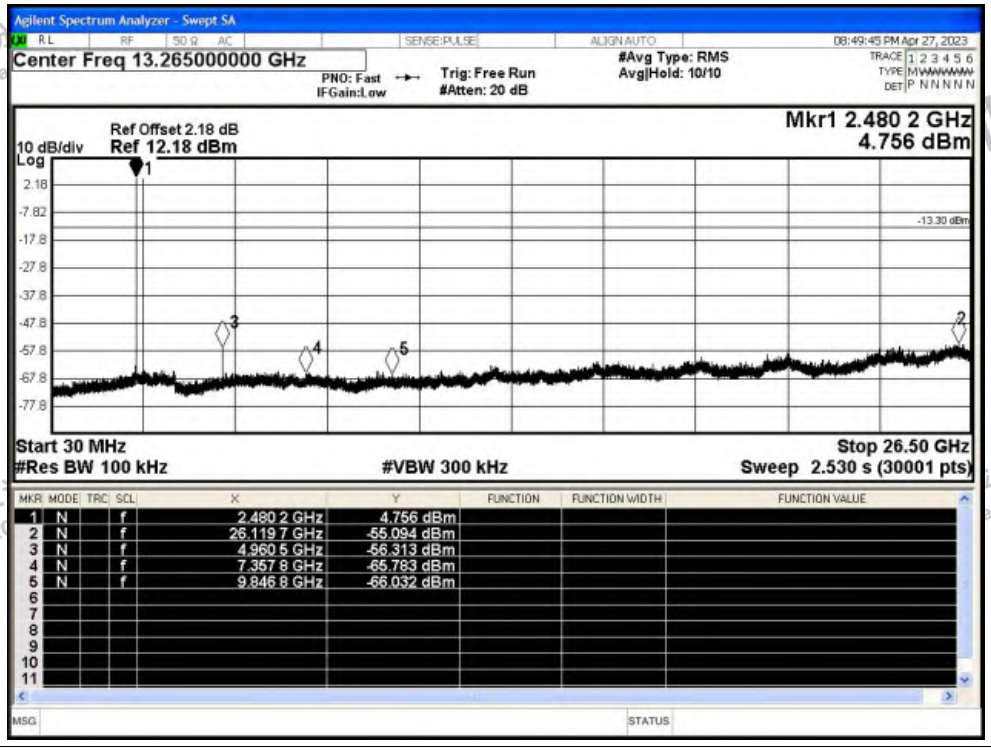
Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission

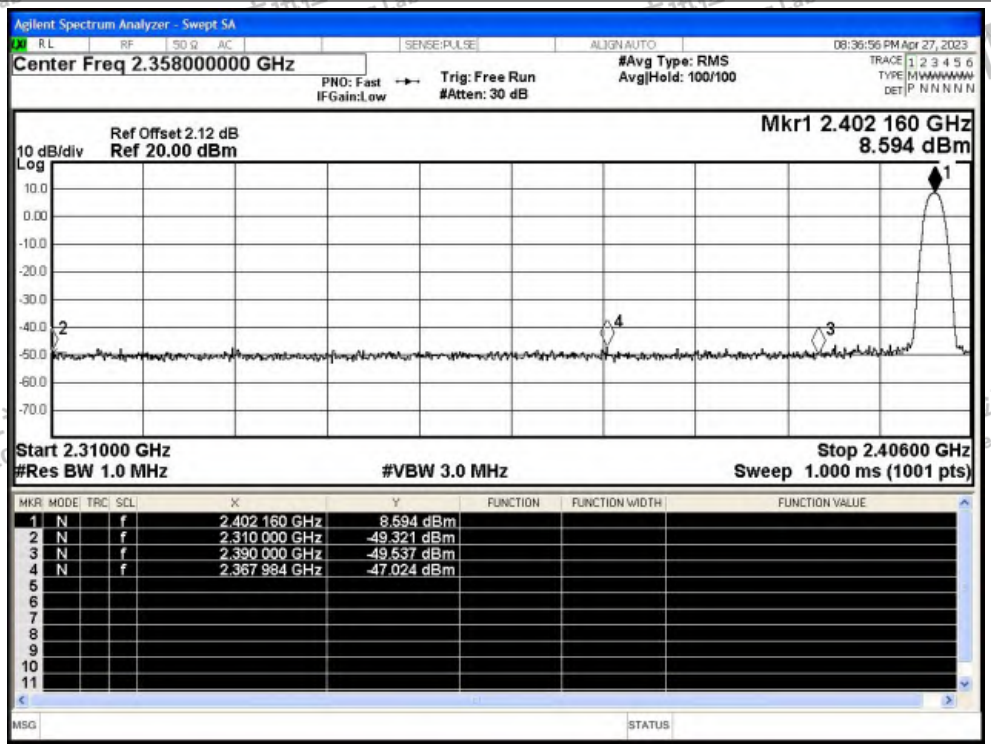


A.8 Restrict Band

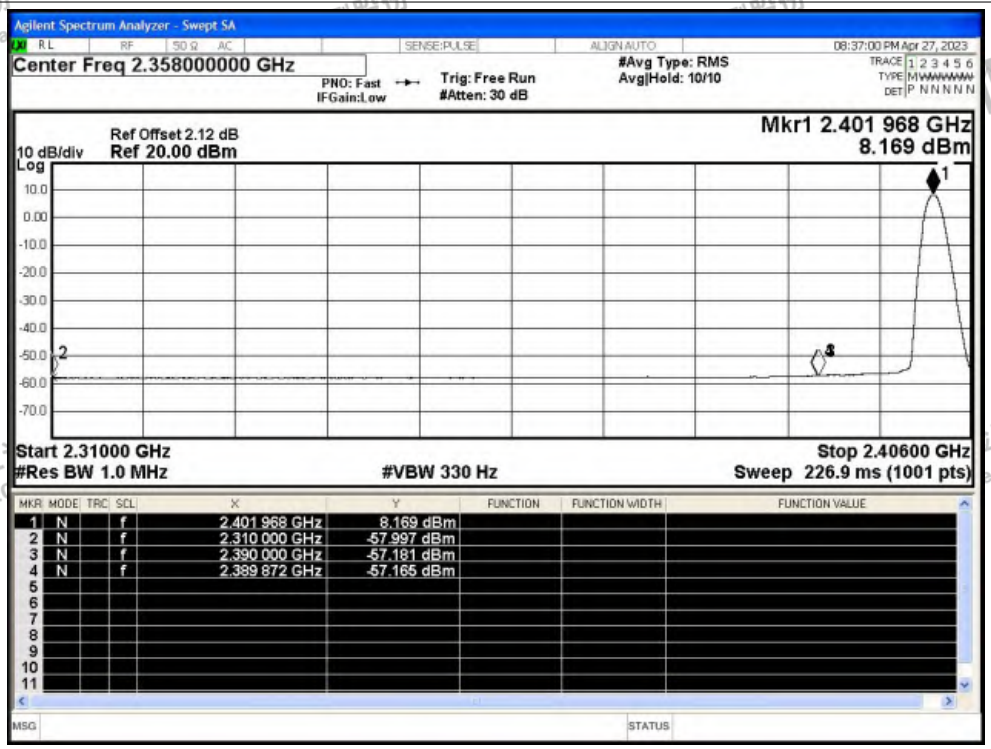
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.32	2	47.94	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58	2	39.26	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2367.984	-47.02	2	50.24	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.872	-57.17	2	40.09	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	-57.18	2	40.08	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-48.27	2	48.99	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-51.72	2	45.54	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2491.912	-45.81	2	51.45	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-51.72	2	45.54	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.25	2	47.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.25	2	40.01	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.69	2	46.57	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.04	2	39.22	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.296	-47.64	2	49.62	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.584	-57.1	2	40.16	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.96	2	46.3	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-57.16	2	40.1	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.93	2	48.33	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-51.86	2	45.4	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2494.84	-46.56	2	50.7	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-51.86	2	45.4	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.83	2	48.43	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-57.34	2	39.92	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-52.11	2	45.15	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.03	2	39.23	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2353.104	-48.03	2	49.23	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.392	-57.13	2	40.13	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.99	2	47.27	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57.16	2	40.1	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-49.15	2	48.11	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-51.87	2	45.39	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.608	-46.63	2	50.63	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-51.87	2	45.39	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.52	2	47.74	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-57.26	2	40	Average	54	Pass

Test Graphs

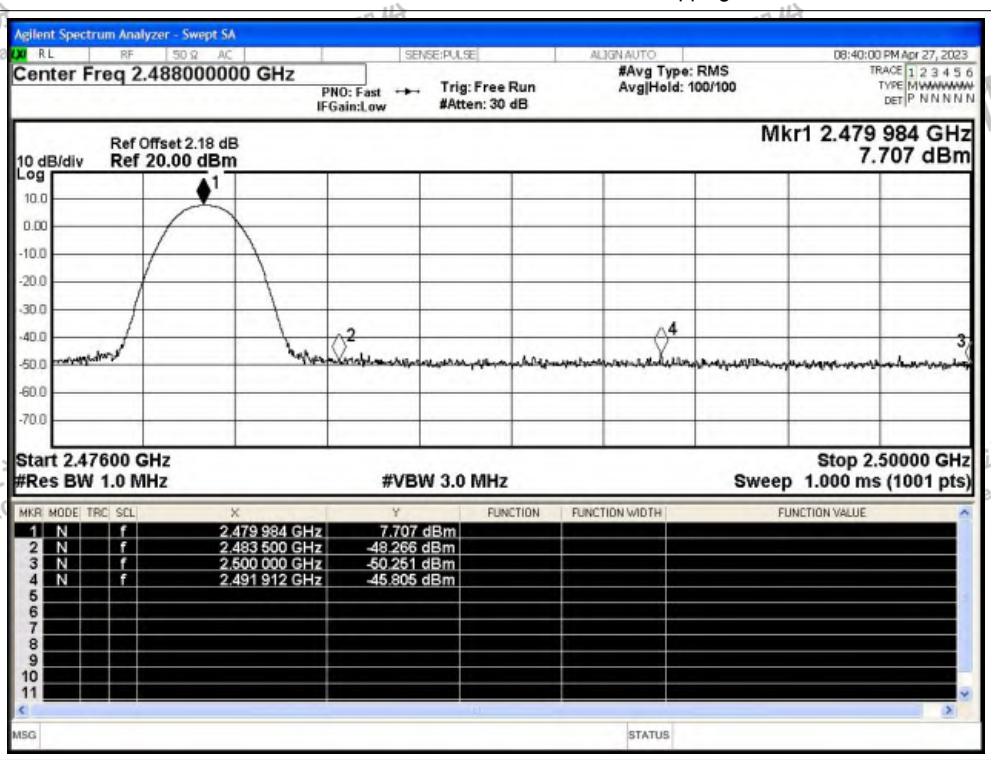
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Peak



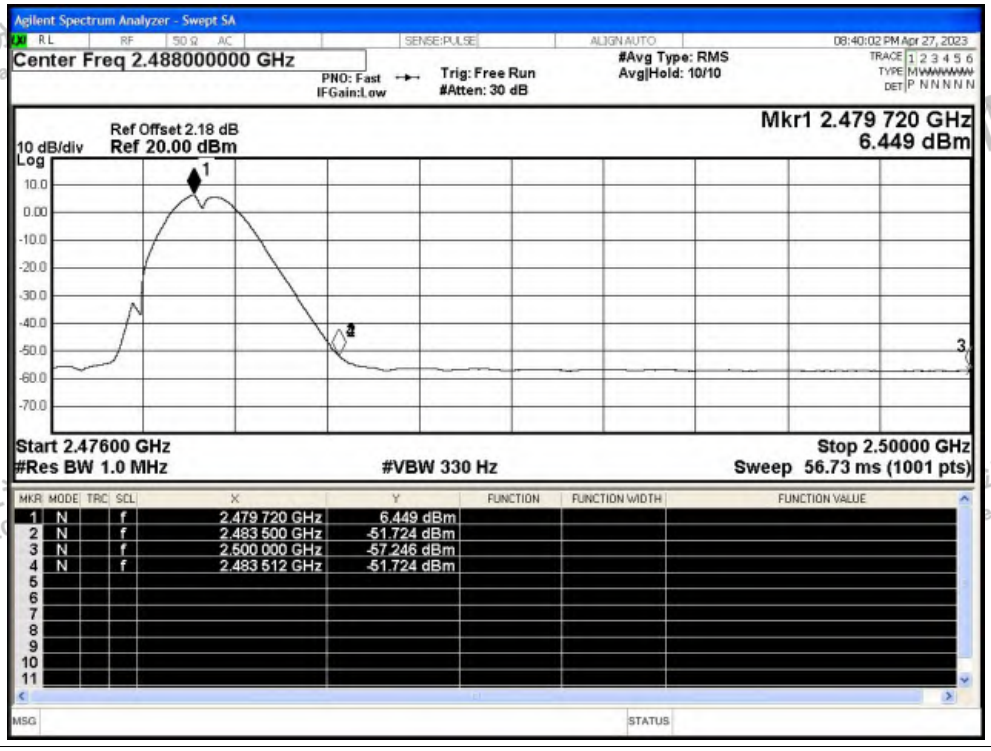
Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average



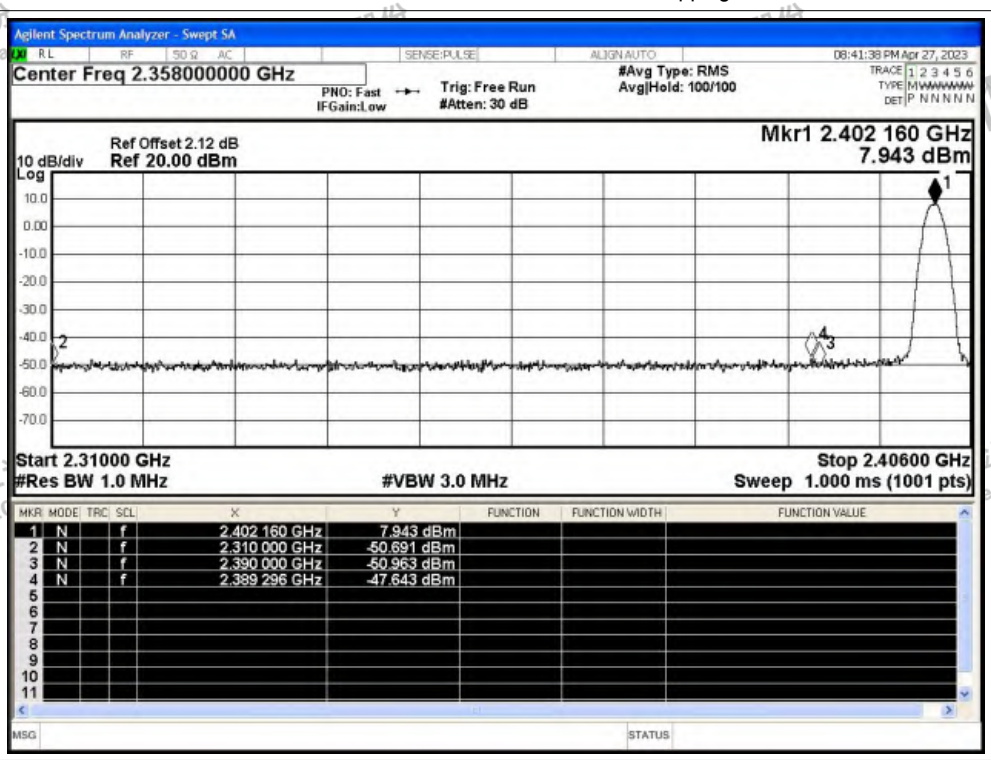
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak



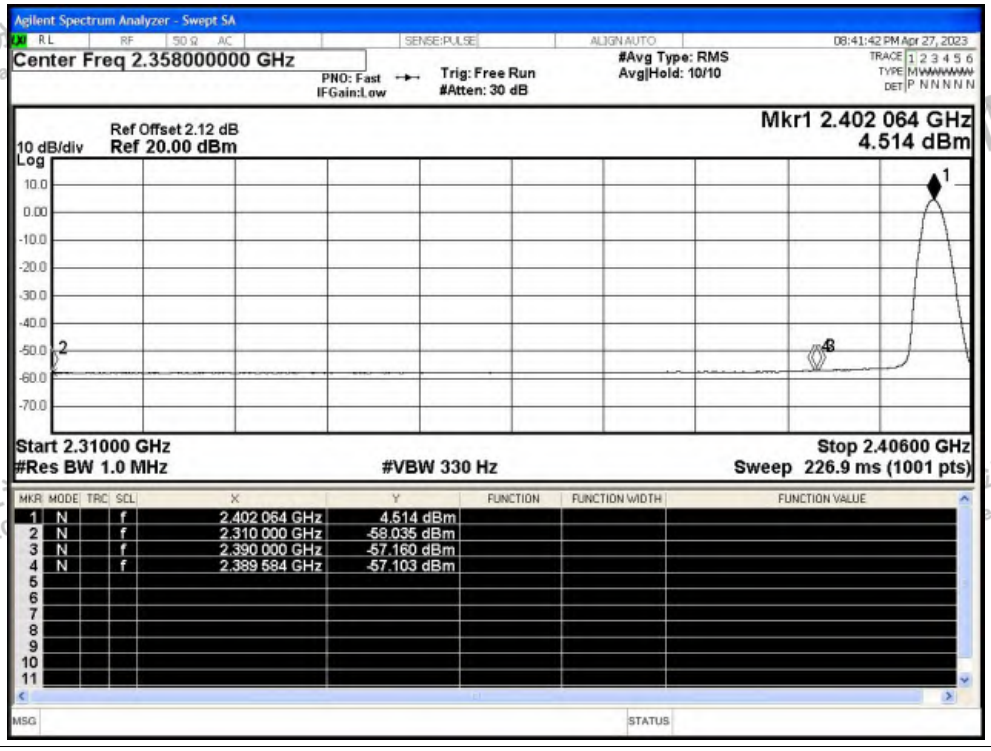
Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average



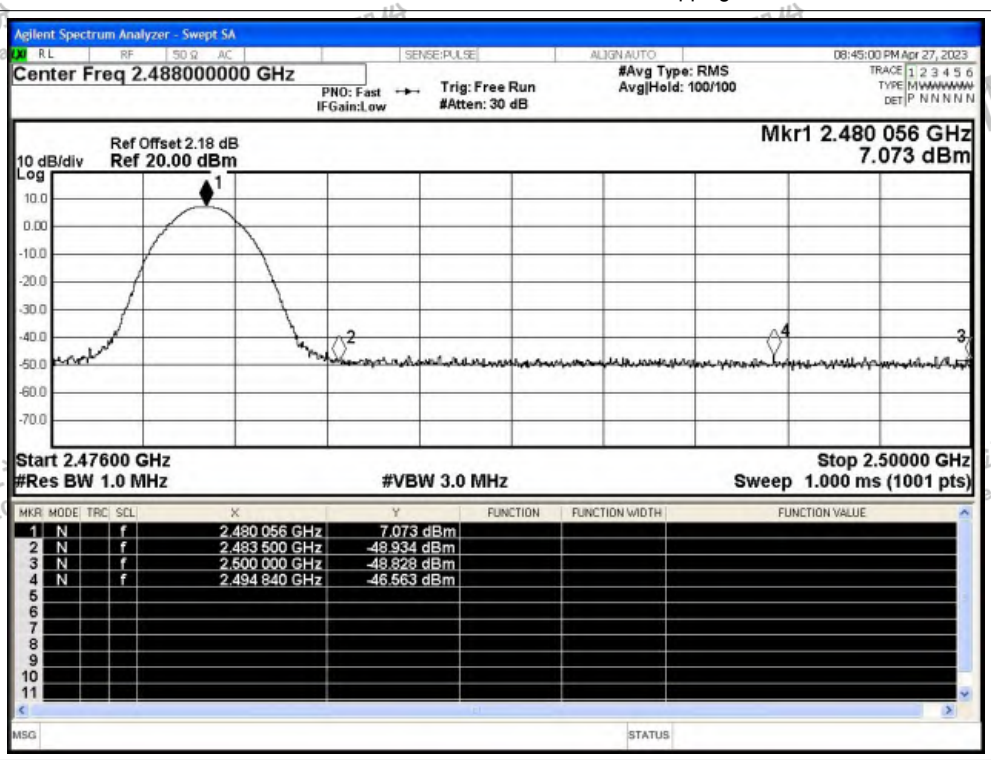
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak



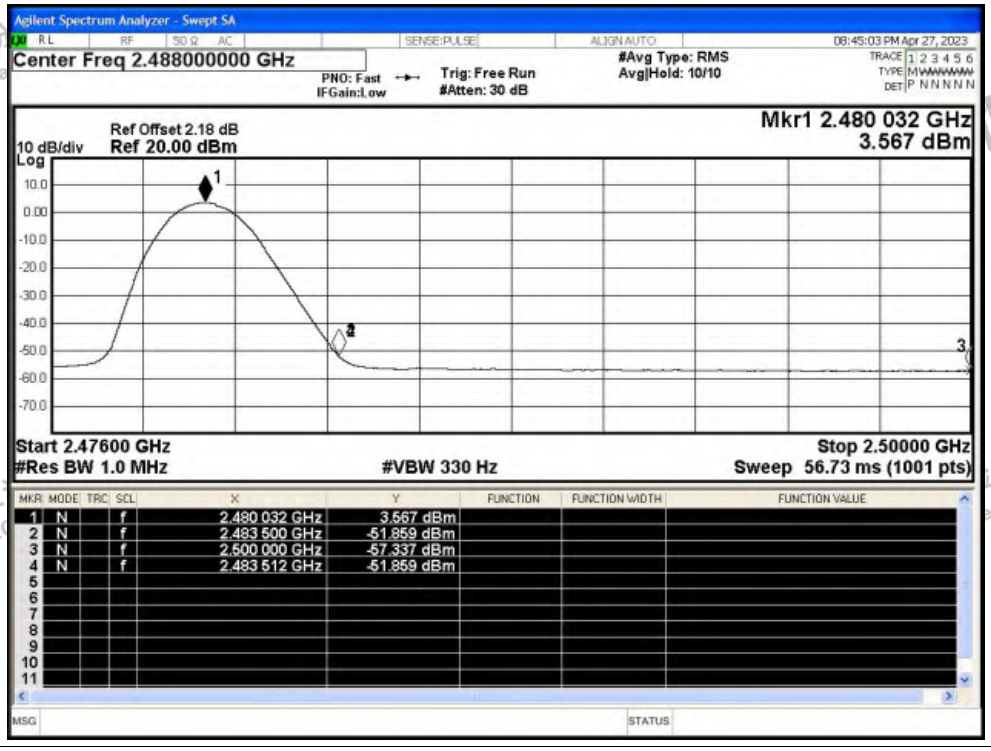
Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average



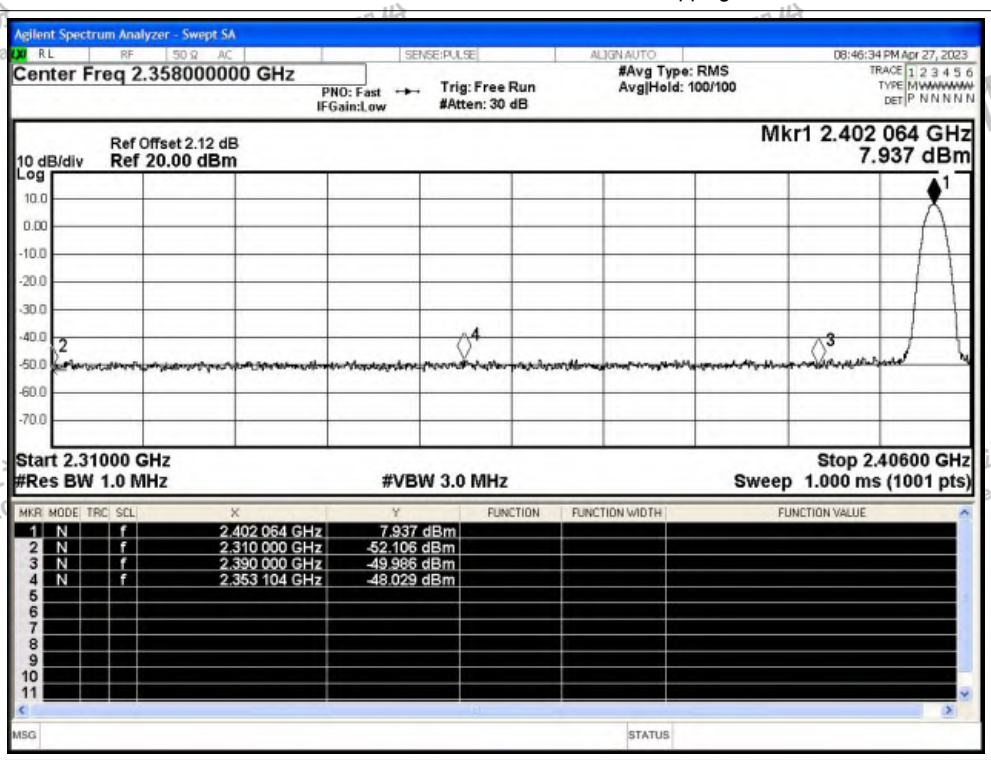
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



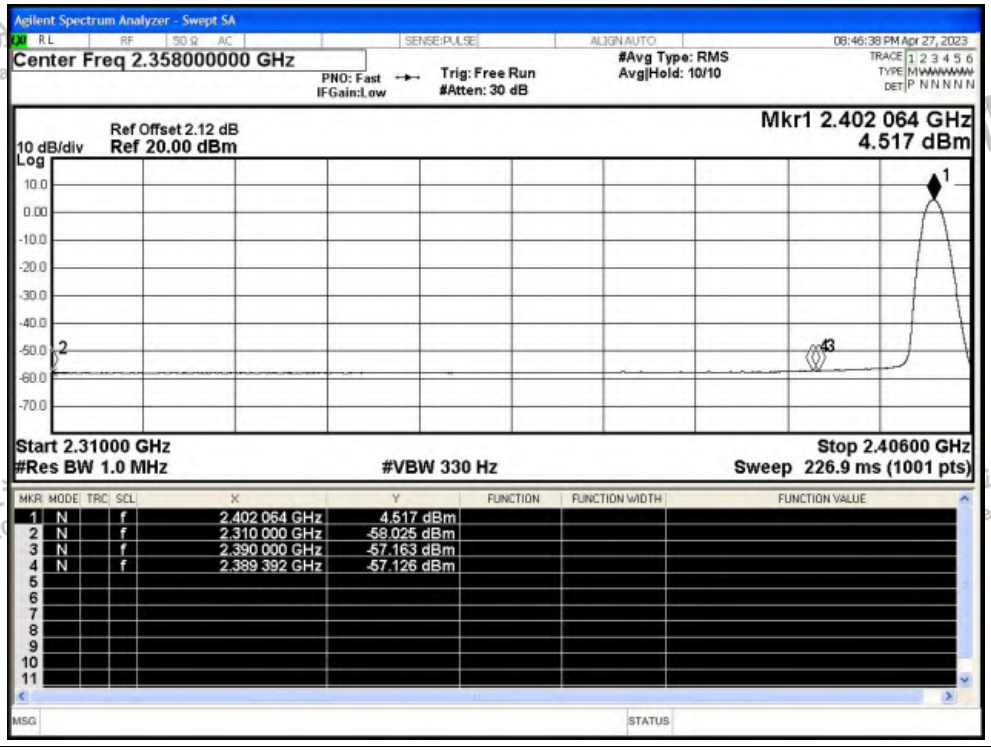
Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Average



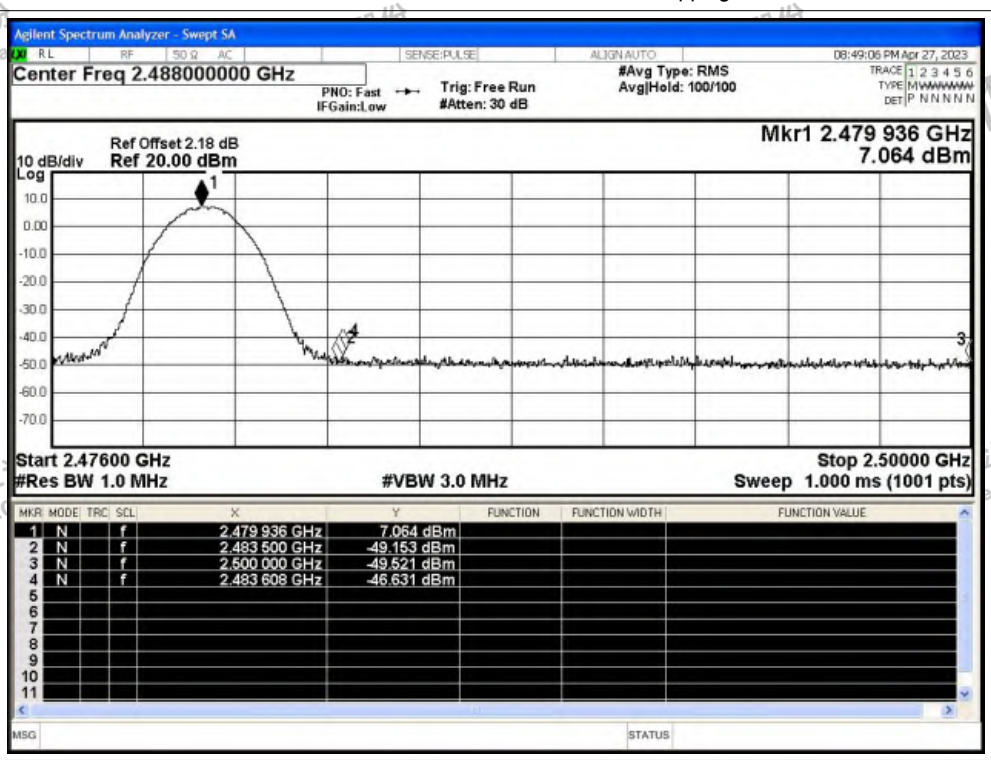
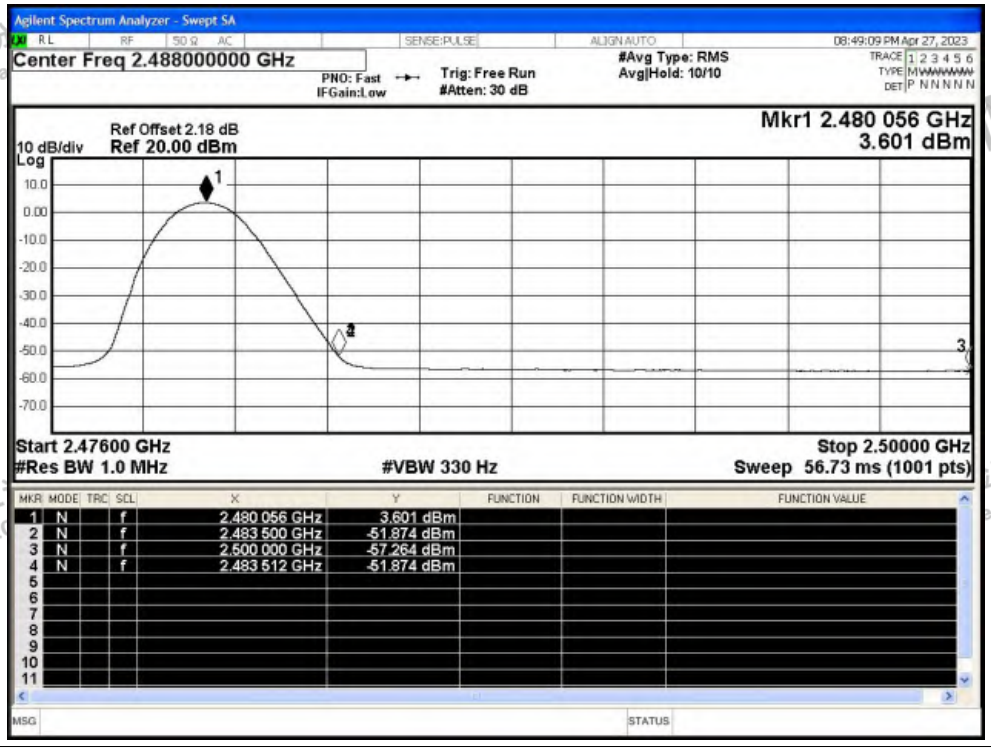
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



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