



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name:Media Player

Test Model: Stix3800

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jay Luo
Supervised by:	Nick Peng





A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.999	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.958	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.003	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.314	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.287	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.323	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.305	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.278	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.269	N/A	Pass

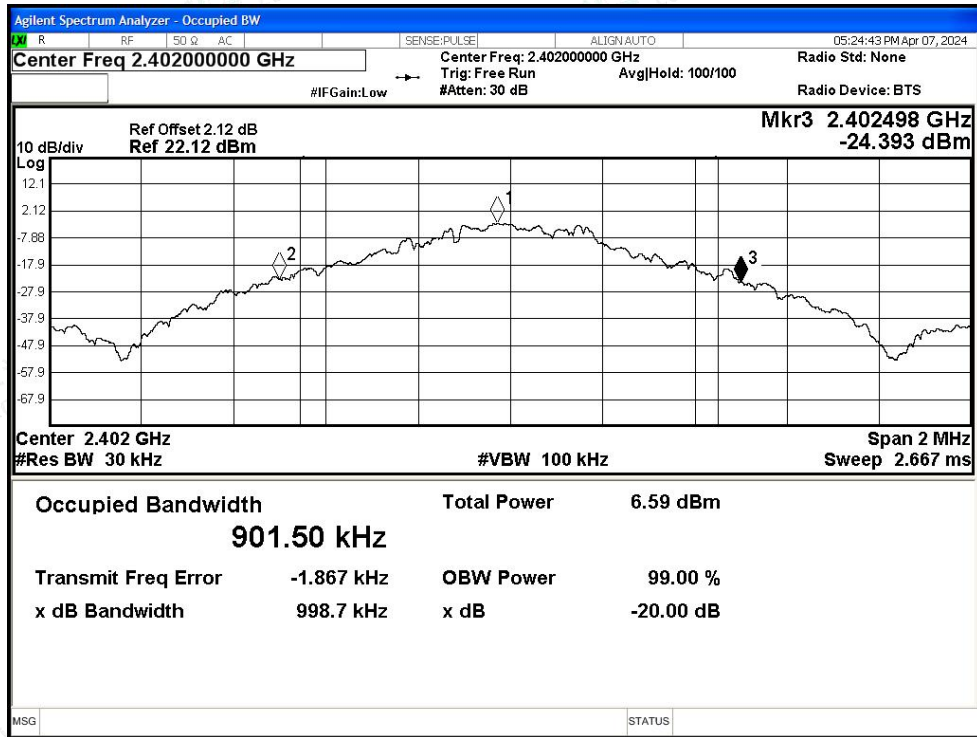


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Scan code to check authenticity

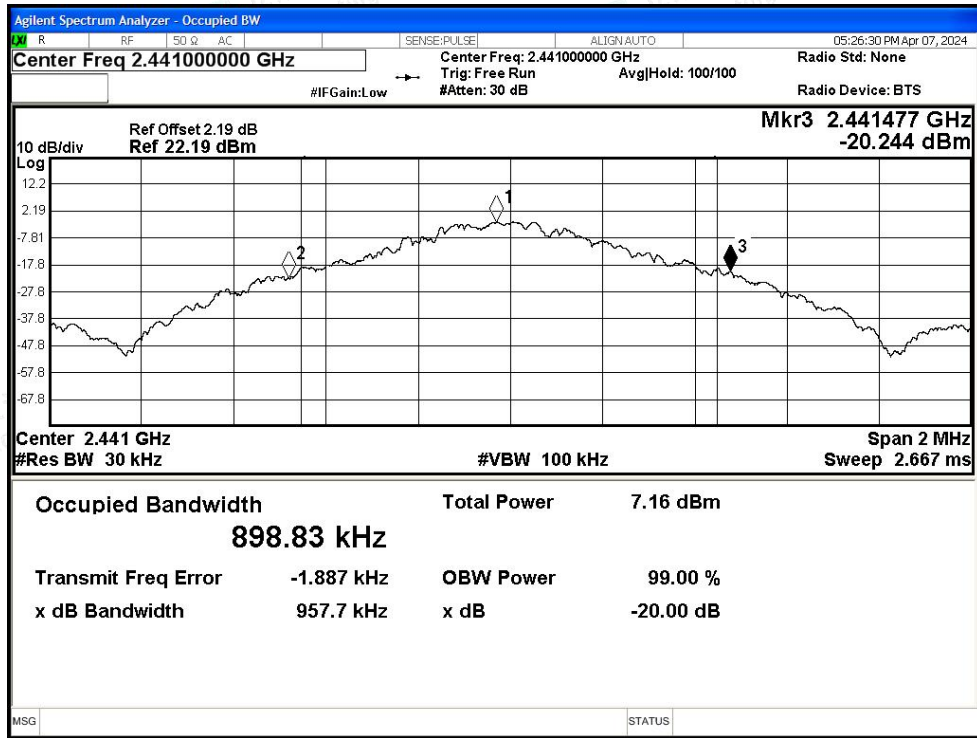


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

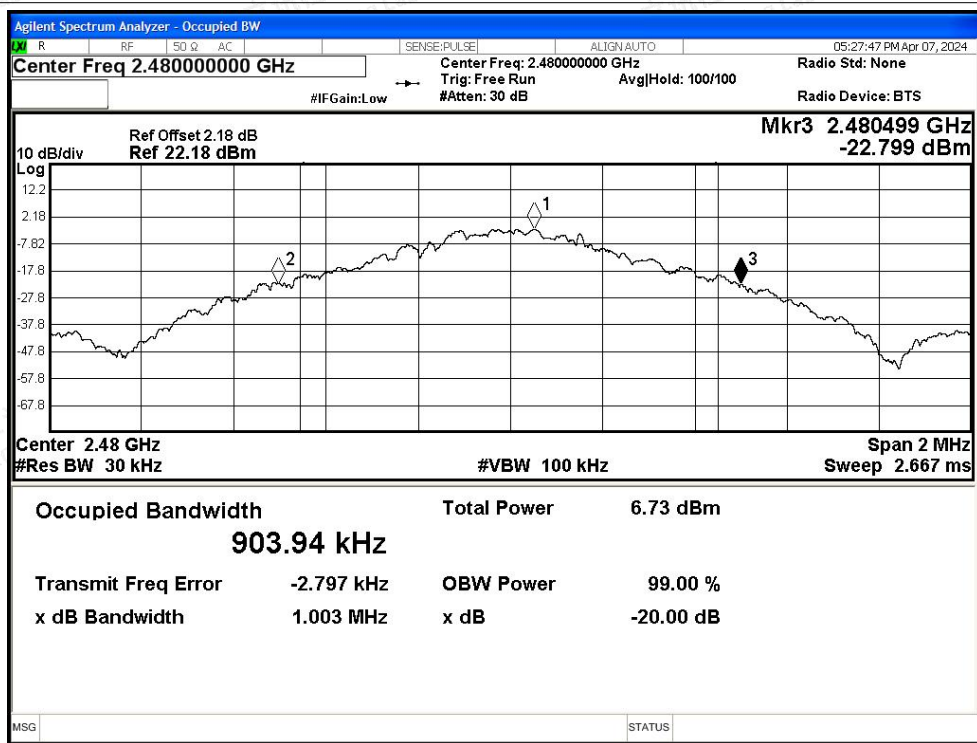


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

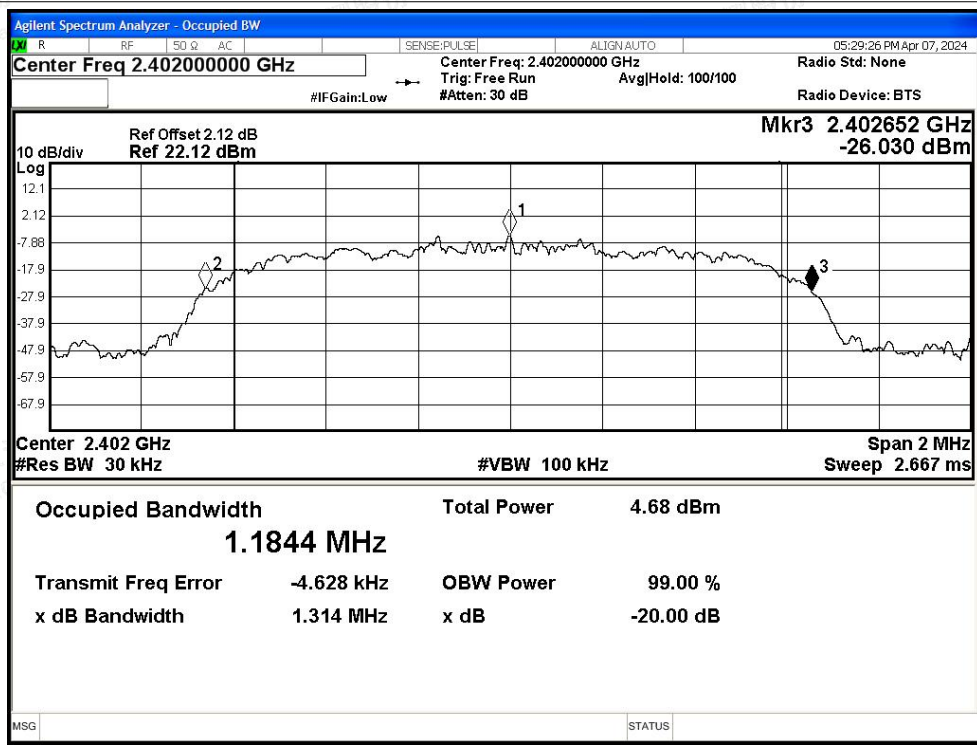




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

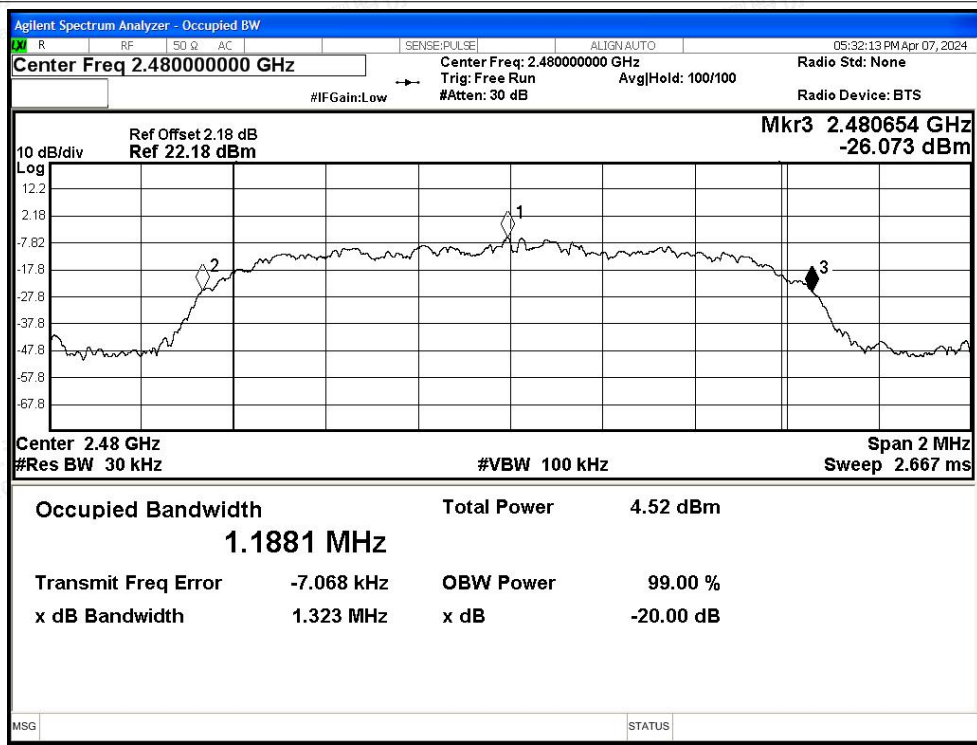




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

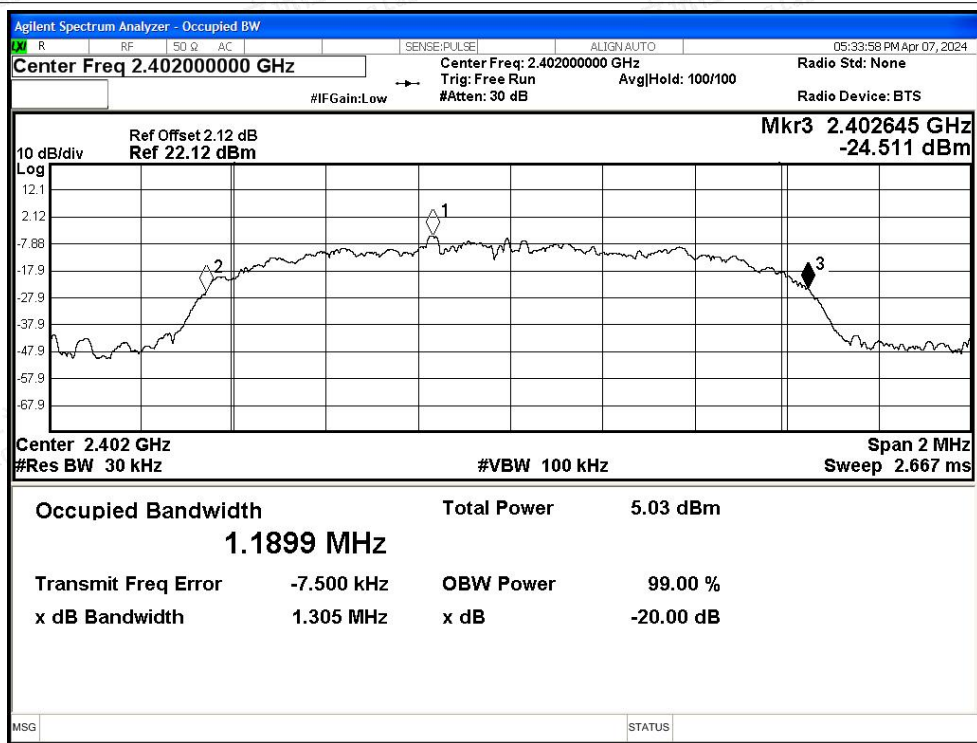


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

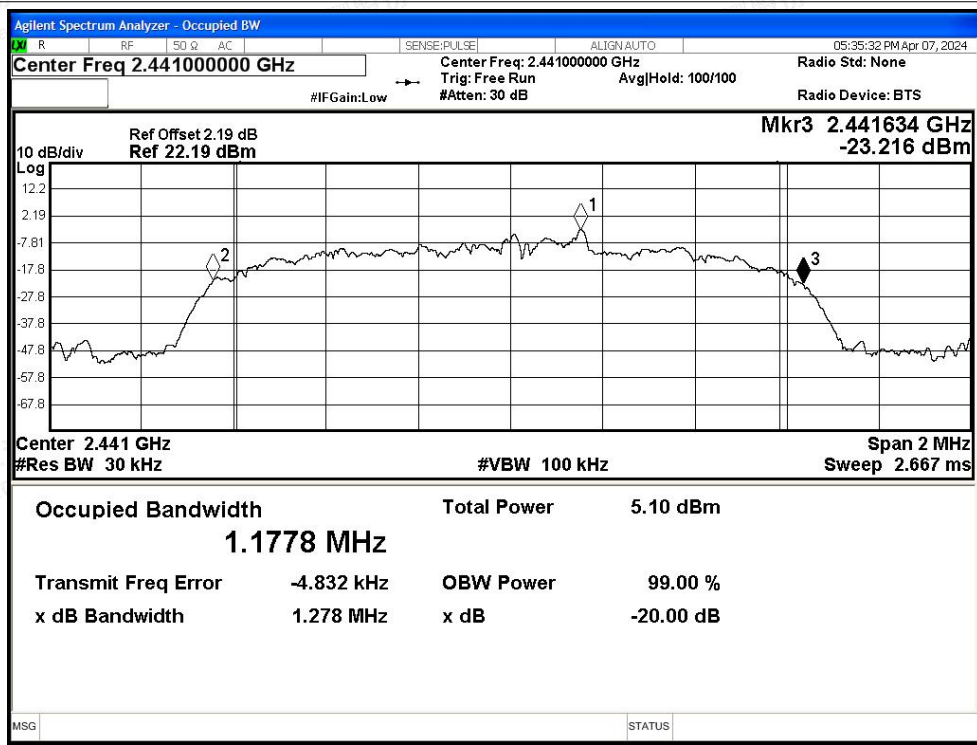




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

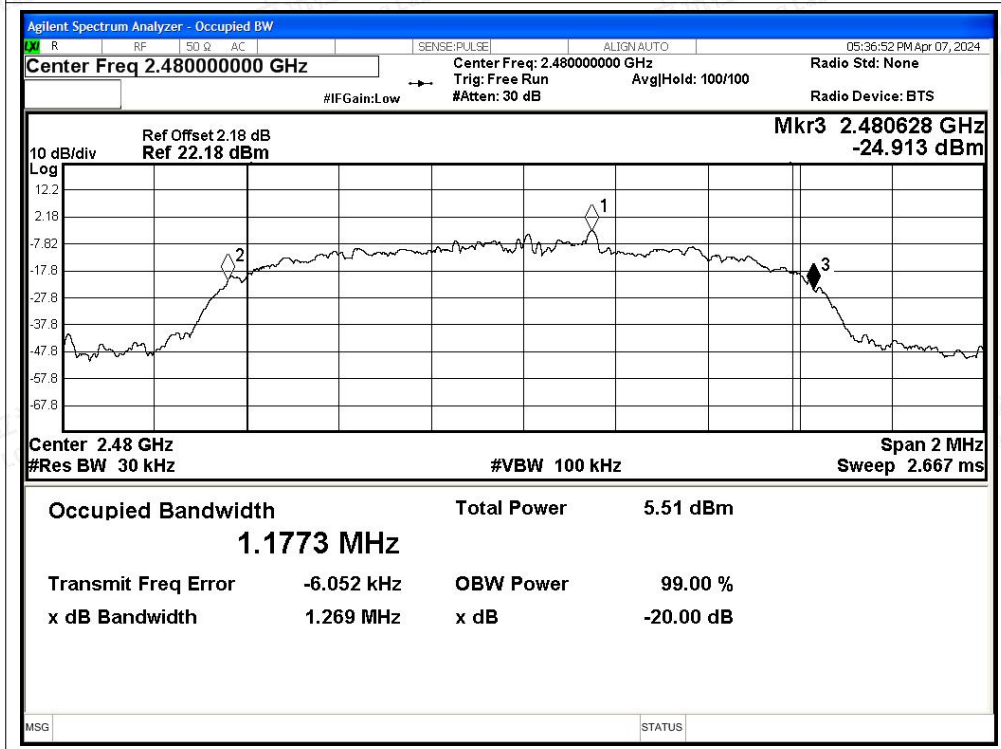


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





A.2 Maximum Peak Conducted Output Power

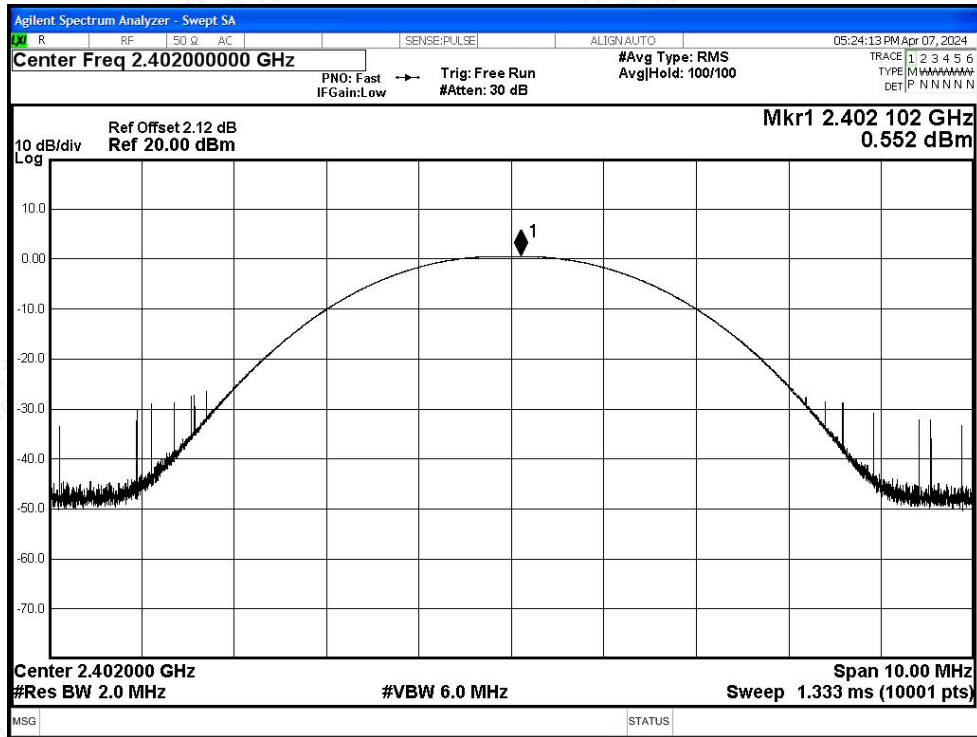
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	0.55	21	Pass
NVNT	1-DH5	2441	Ant1	0.73	21	Pass
NVNT	1-DH5	2480	Ant1	0.7	21	Pass
NVNT	2-DH5	2402	Ant1	0.32	21	Pass
NVNT	2-DH5	2441	Ant1	0.49	21	Pass
NVNT	2-DH5	2480	Ant1	0.42	21	Pass
NVNT	3-DH5	2402	Ant1	0.74	21	Pass
NVNT	3-DH5	2441	Ant1	0.6	21	Pass
NVNT	3-DH5	2480	Ant1	0.86	21	Pass



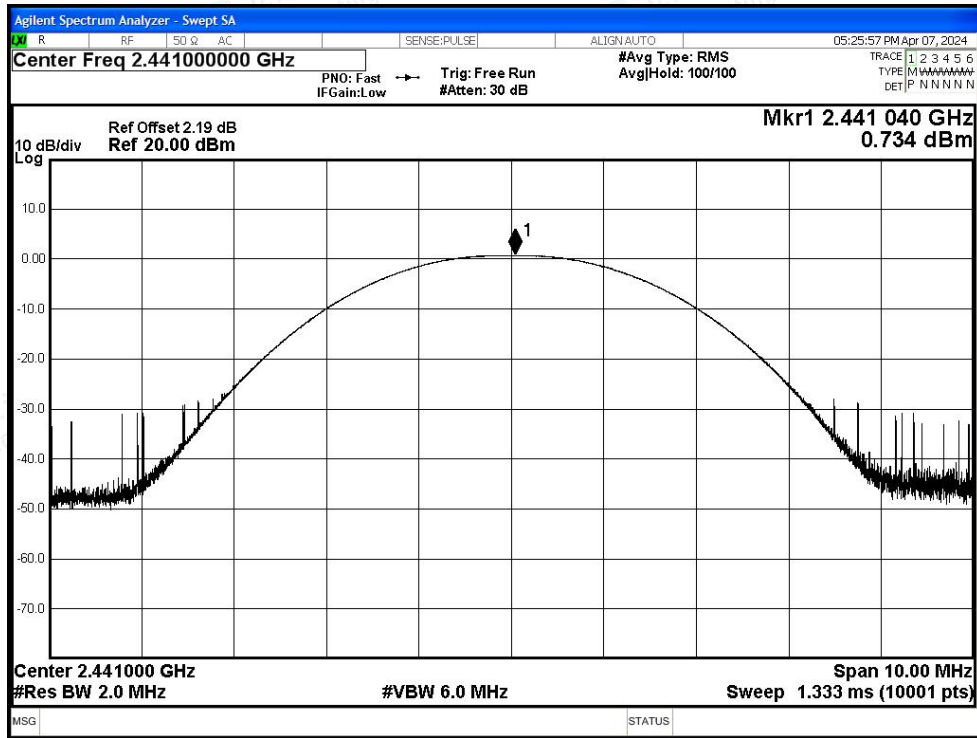


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

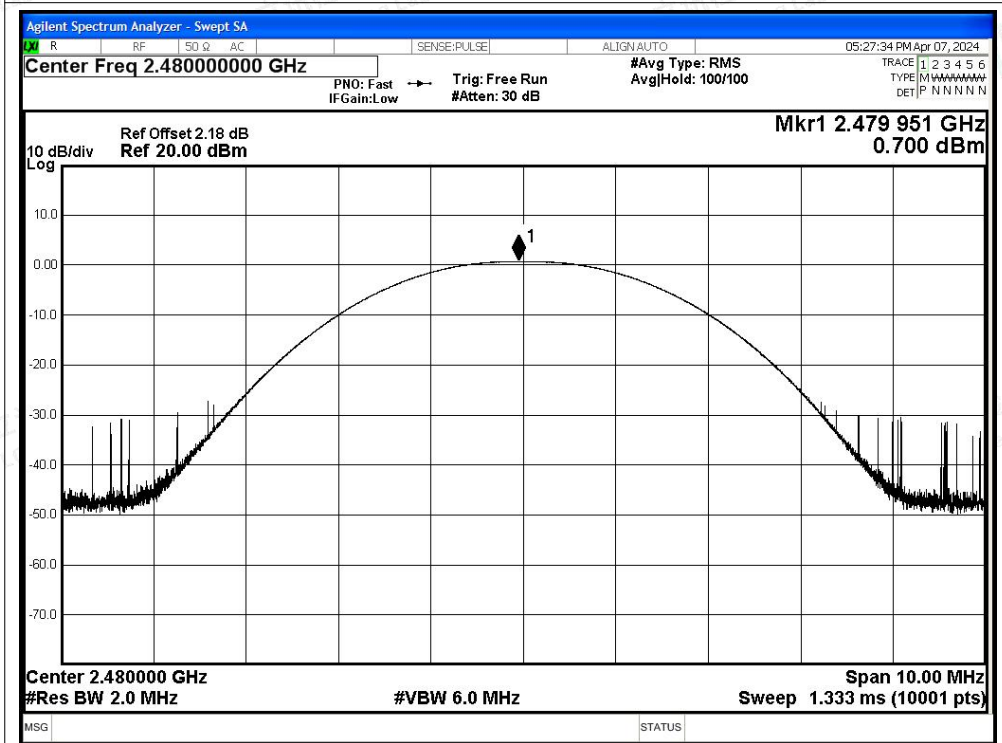


Power NVNT 1-DH5 2441MHz Ant1

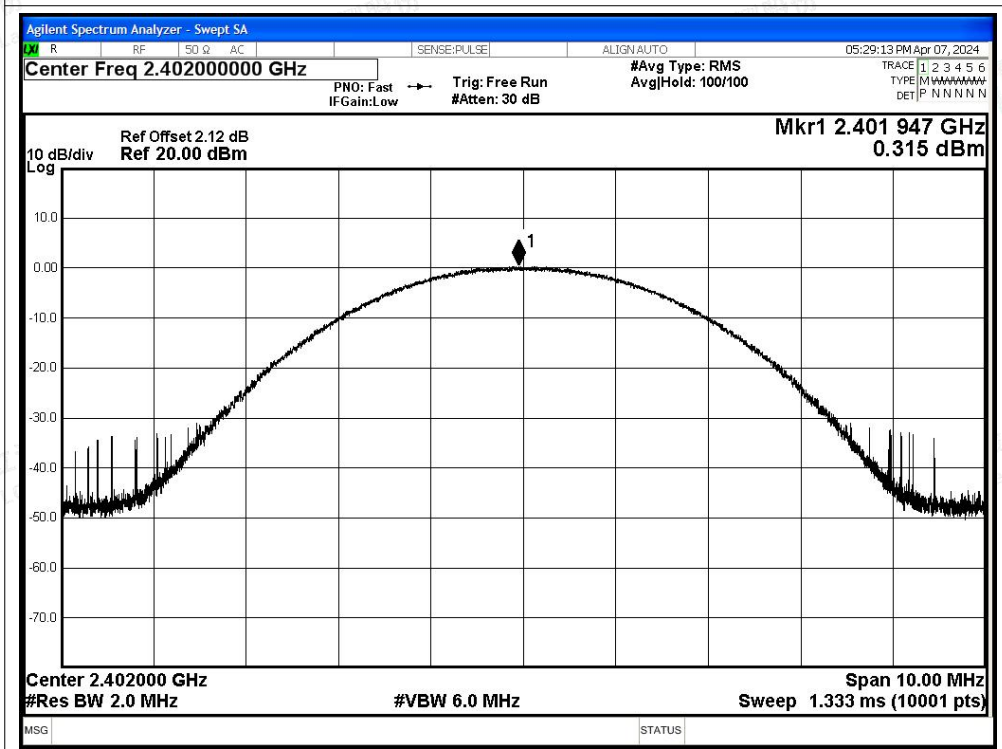




Power NVNT 1-DH5 2480MHz Ant1

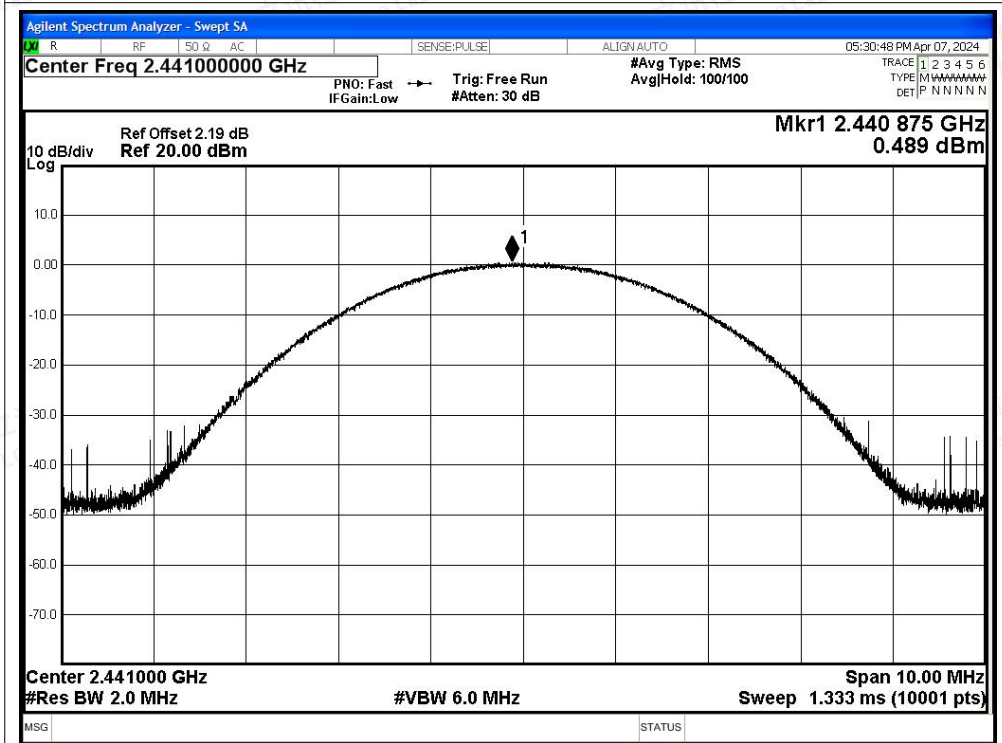


Power NVNT 2-DH5 2402MHz Ant1

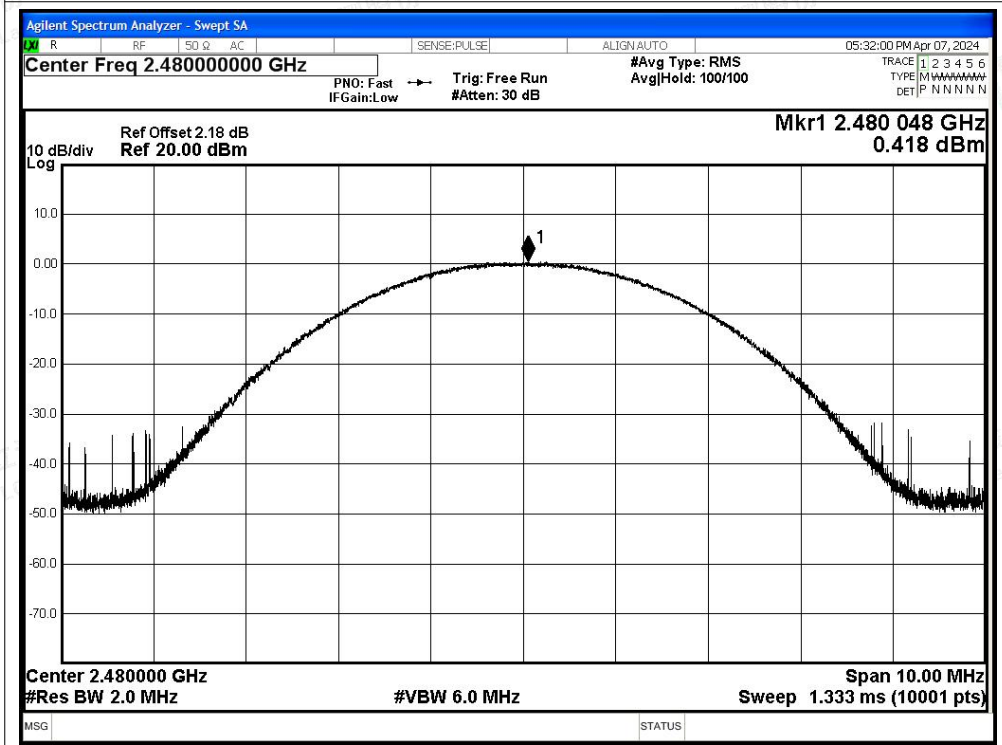




Power NVNT 2-DH5 2441MHz Ant1

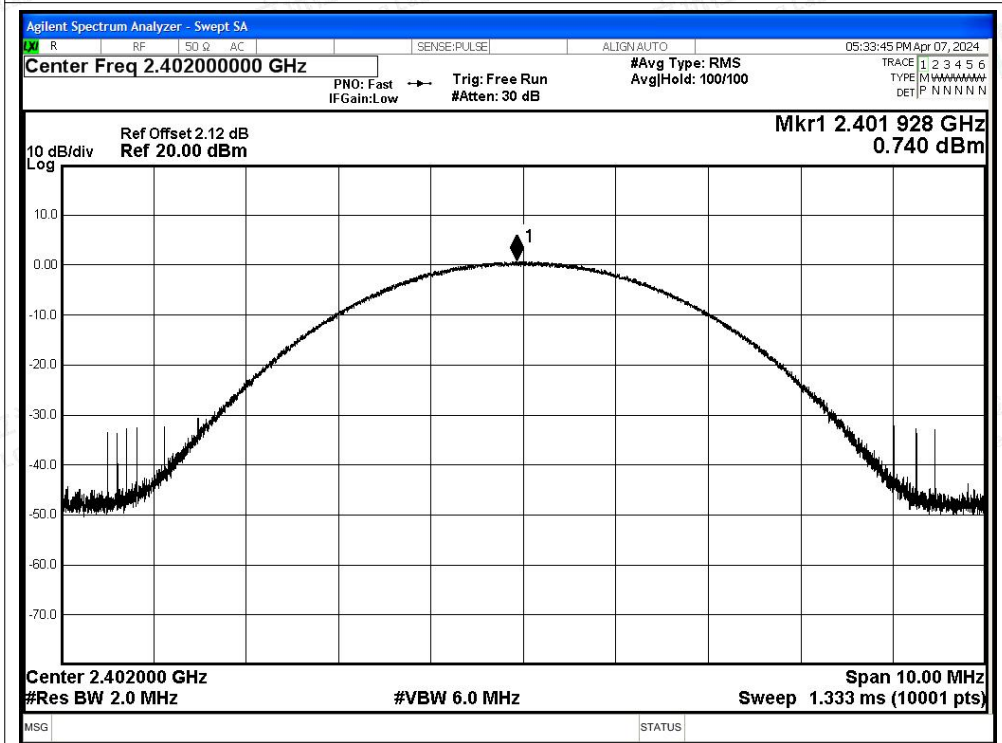


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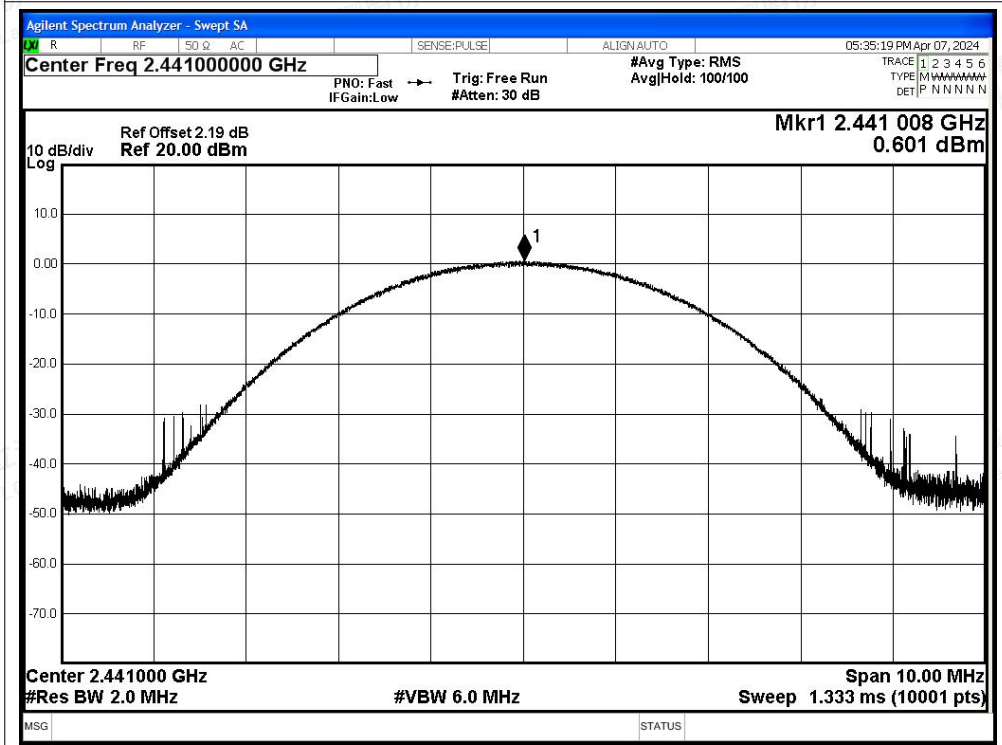


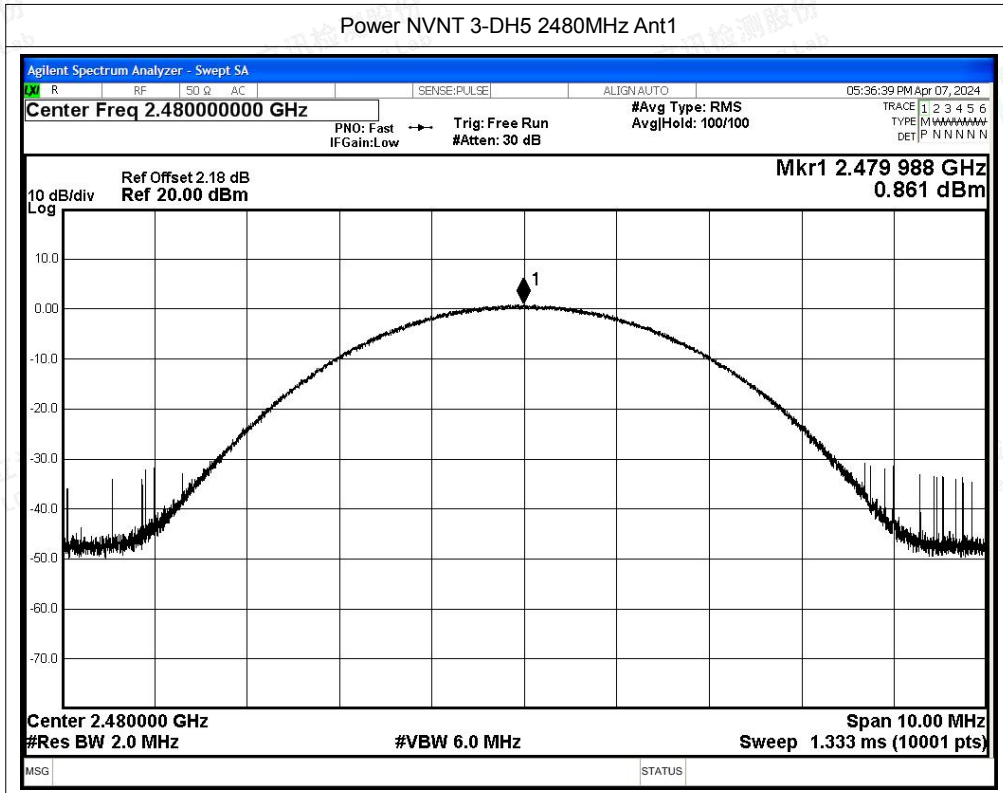


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.148	2402.984	0.836	0.669	Pass
NVNT	2-DH5	Ant1	2401.99	2403.016	1.026	0.882	Pass
NVNT	3-DH5	Ant1	2401.814	2403.02	1.206	0.87	Pass

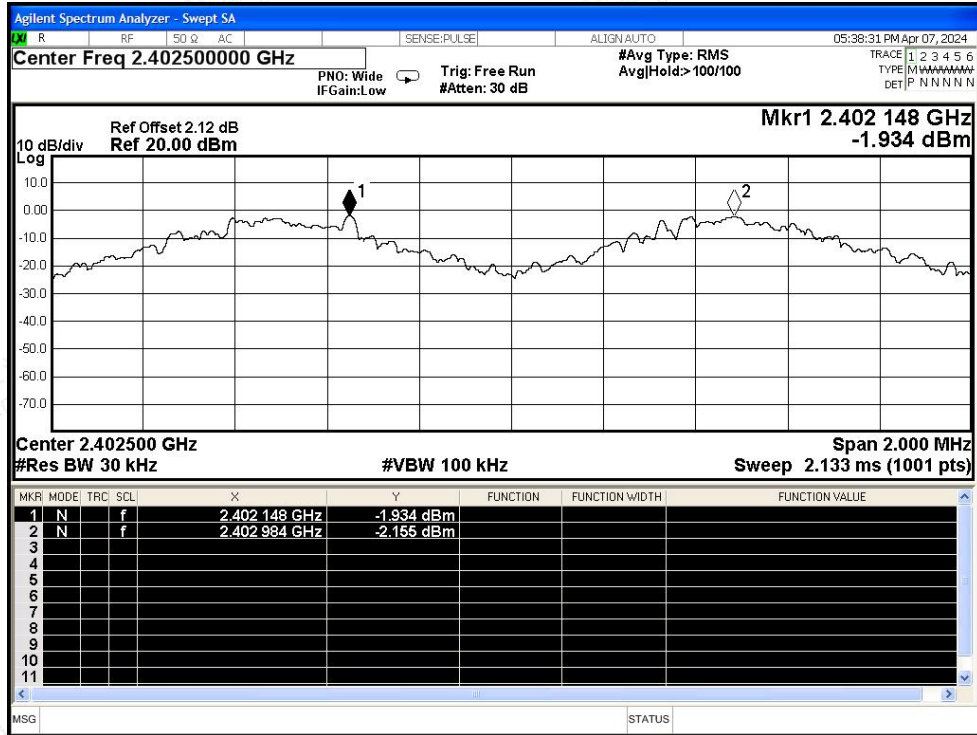


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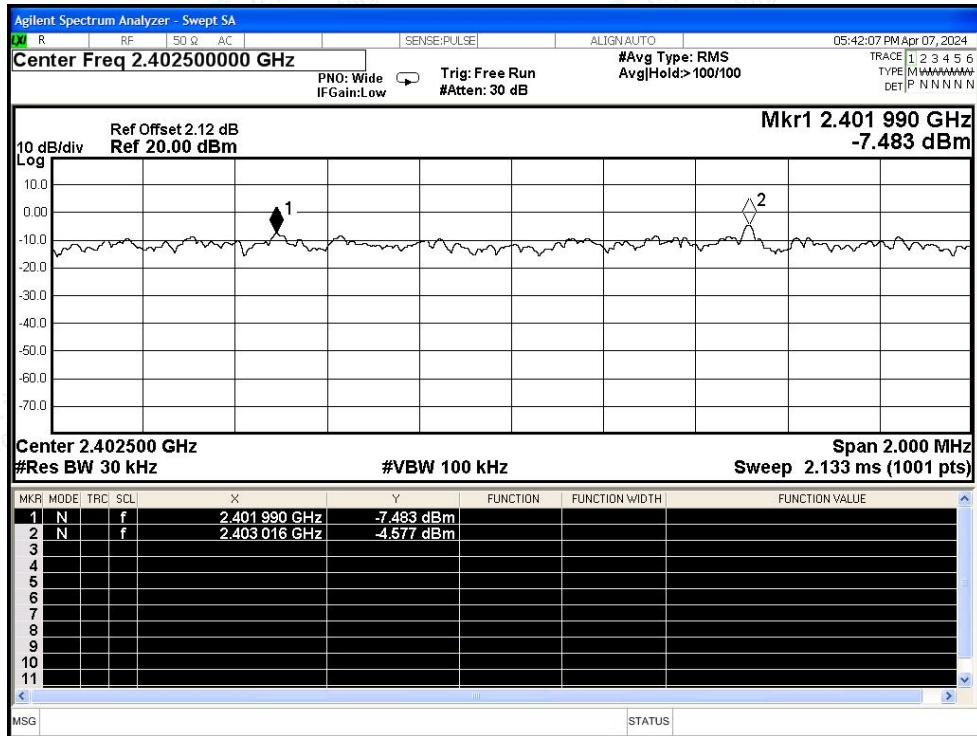


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

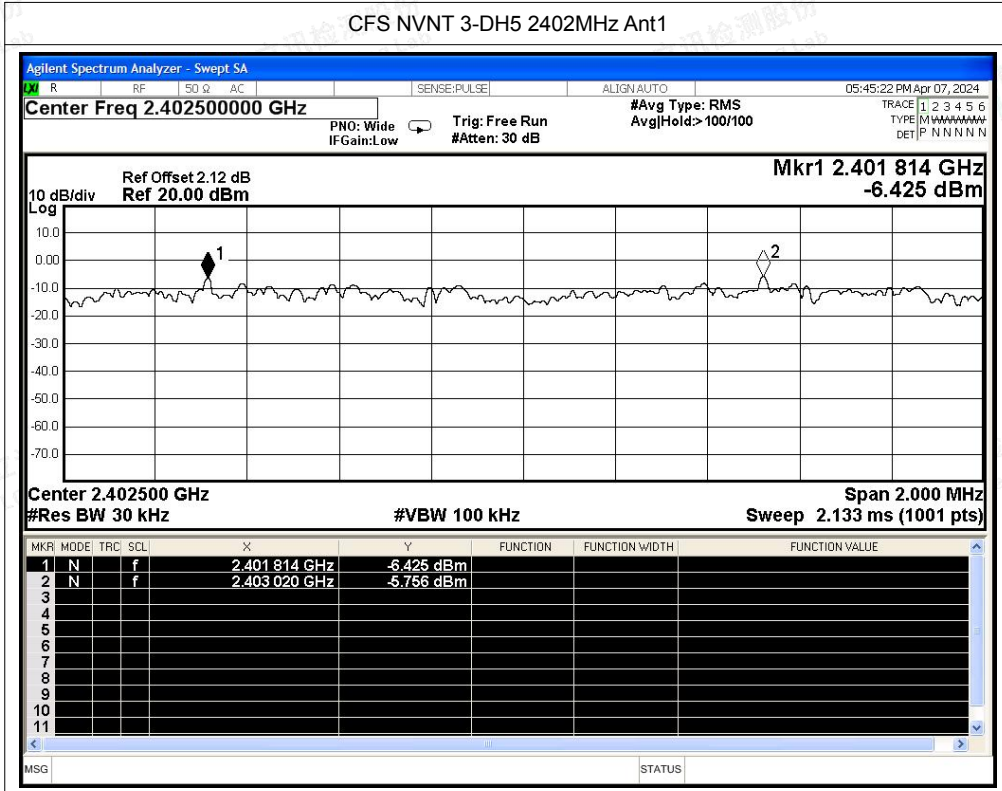


CFS NVNT 2-DH5 2402MHz Ant1





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	317.02	110	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	308.16	107	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	253.968	88	31600	400	Pass

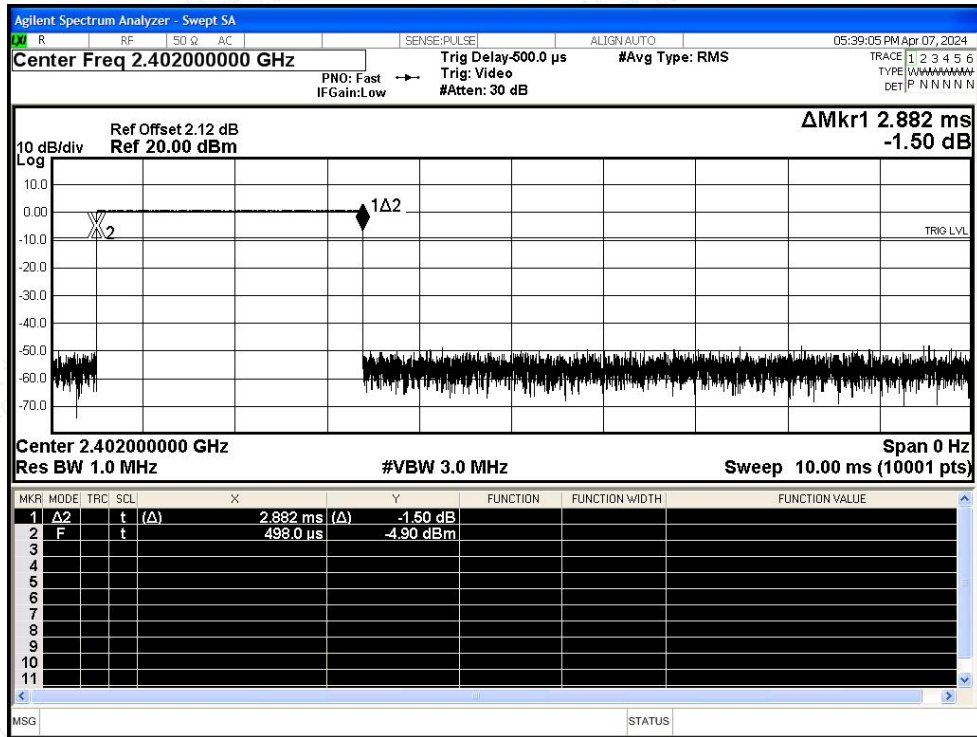


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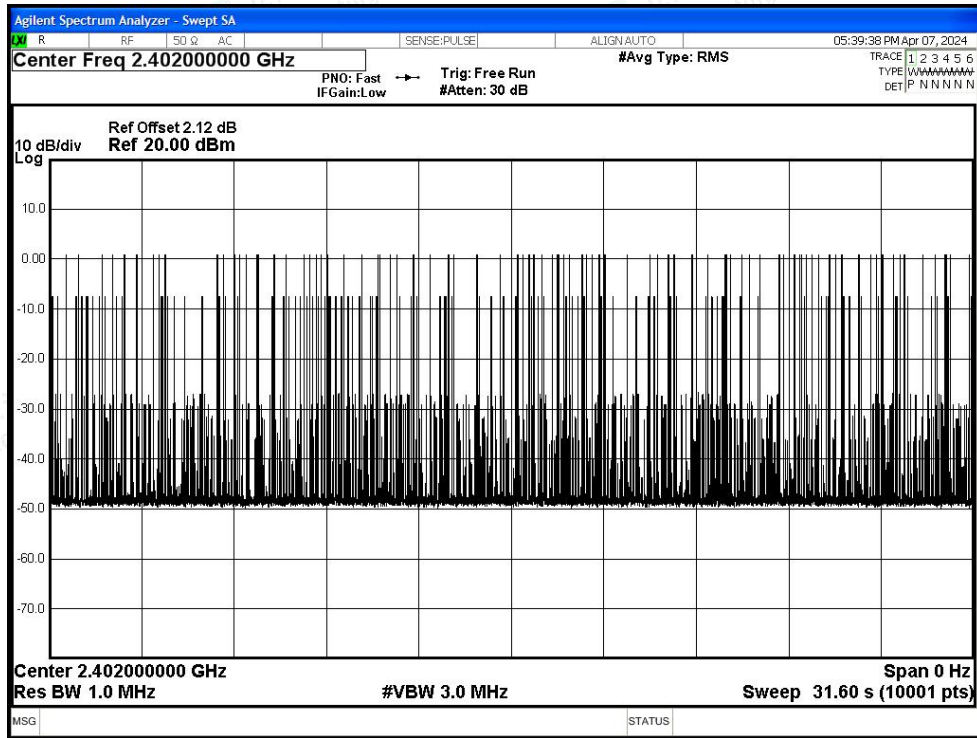


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

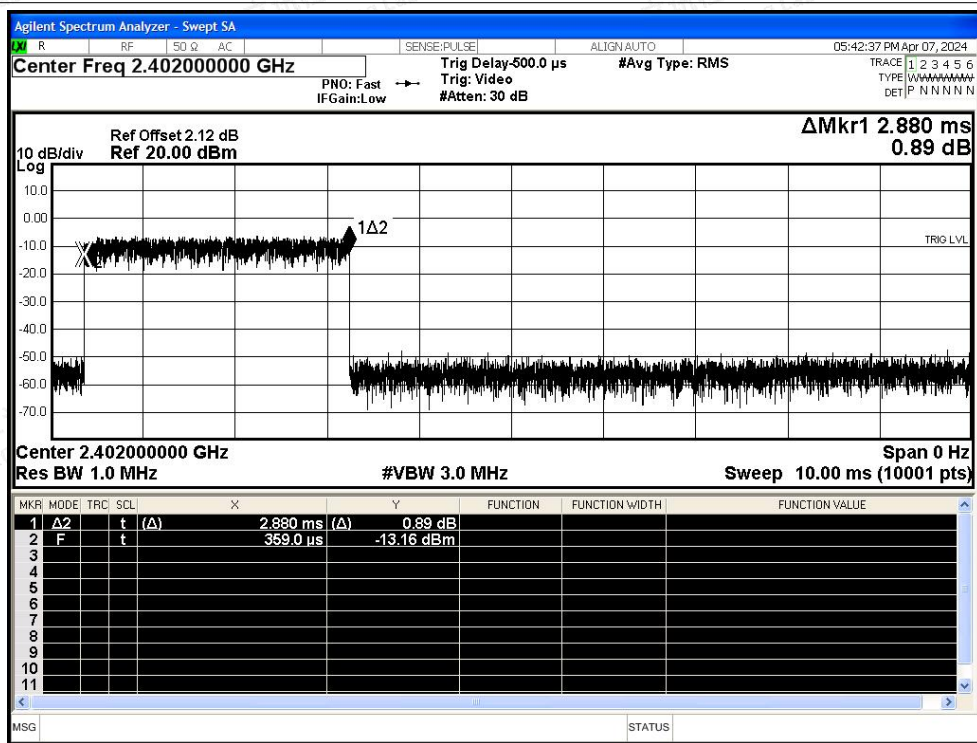


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

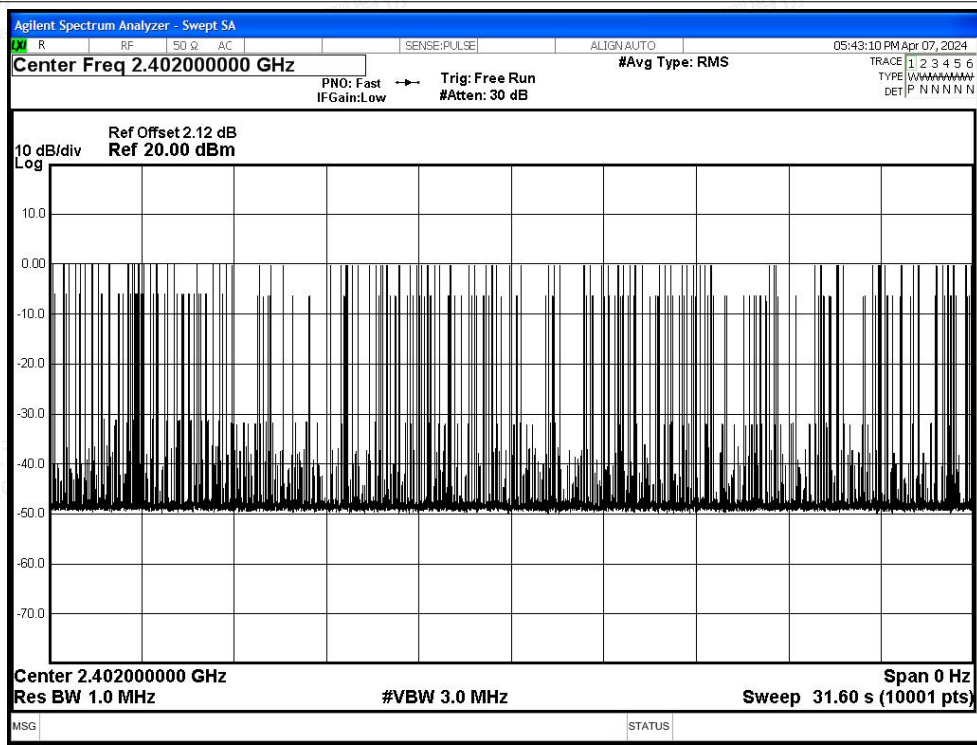




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

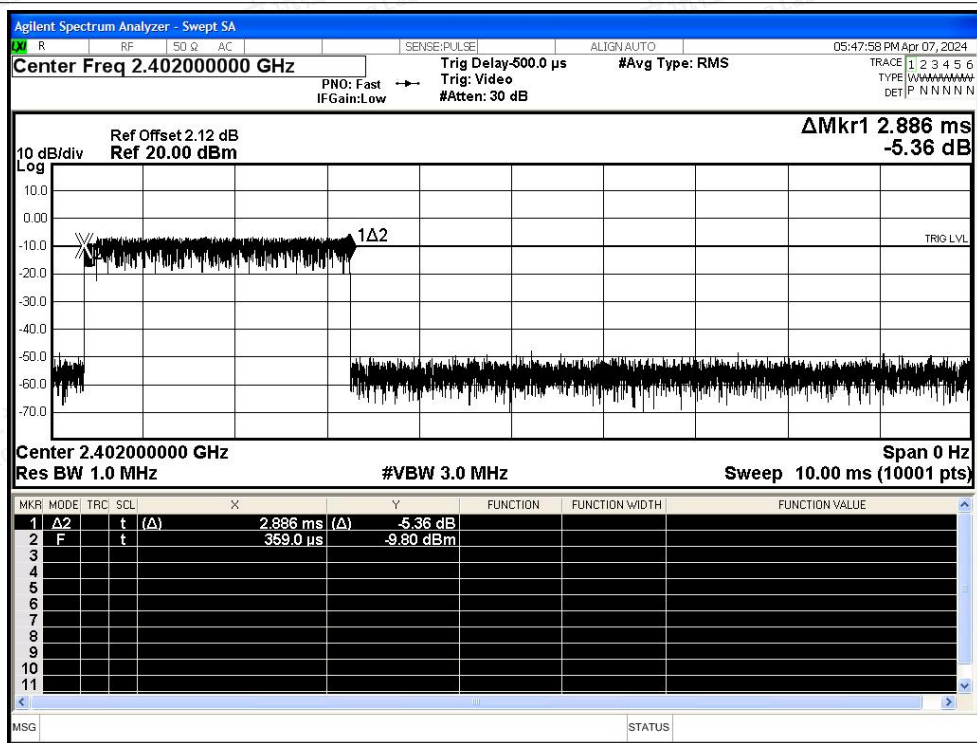


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

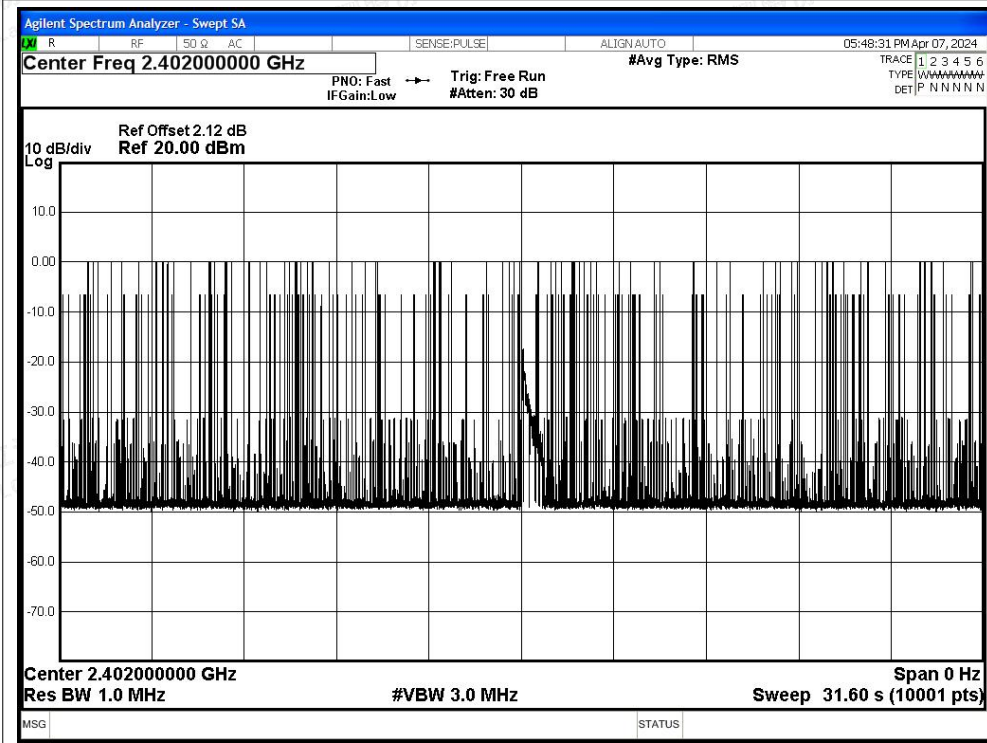




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

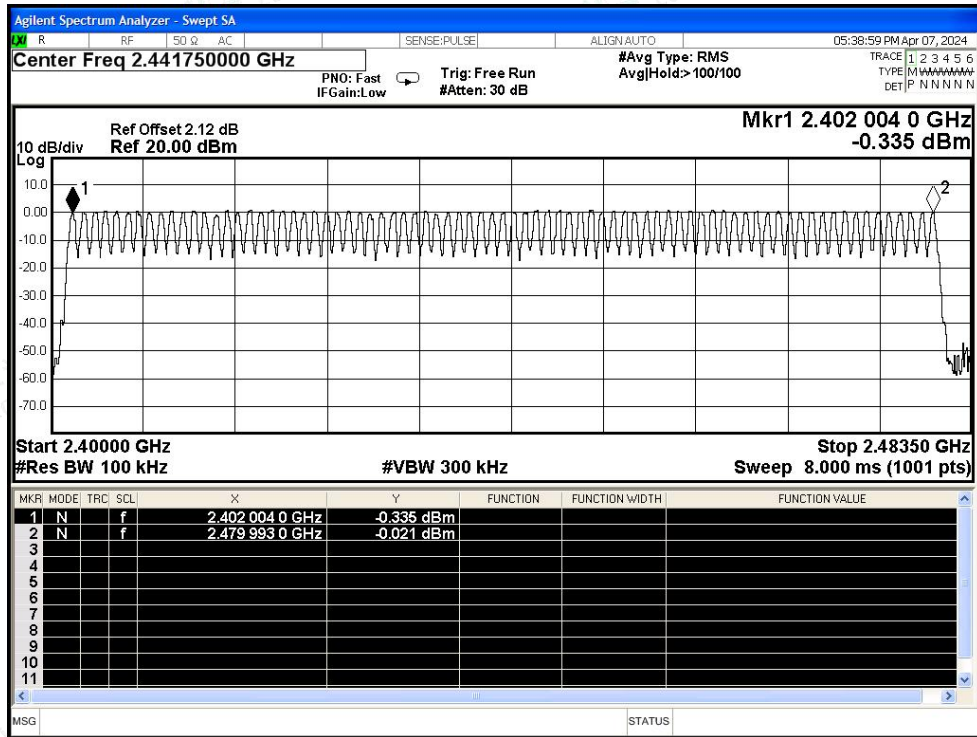
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass



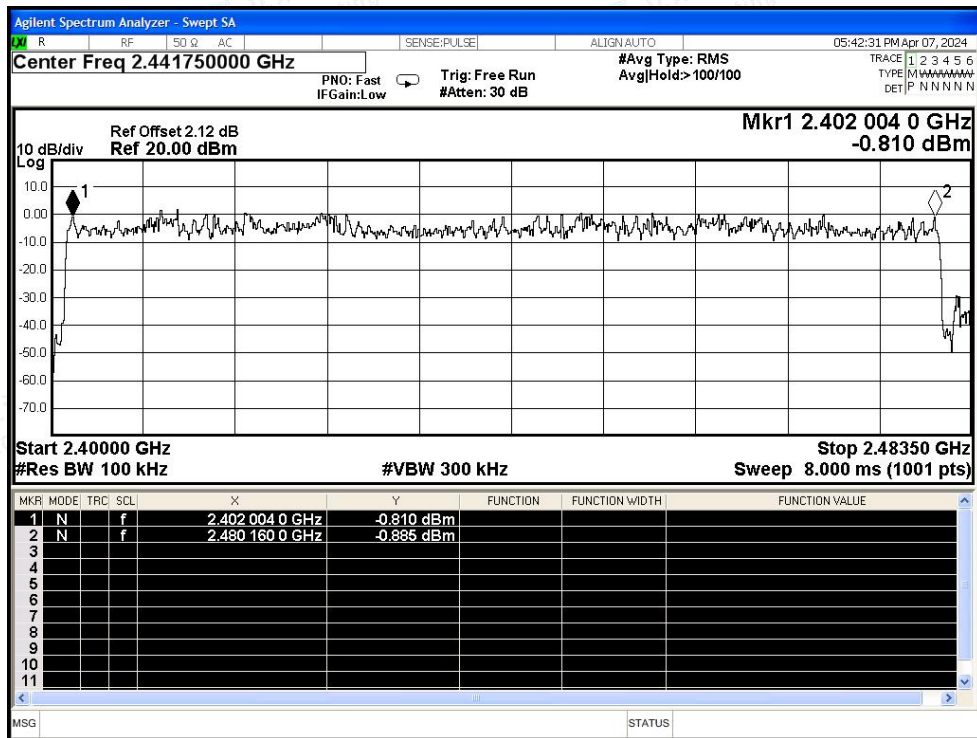


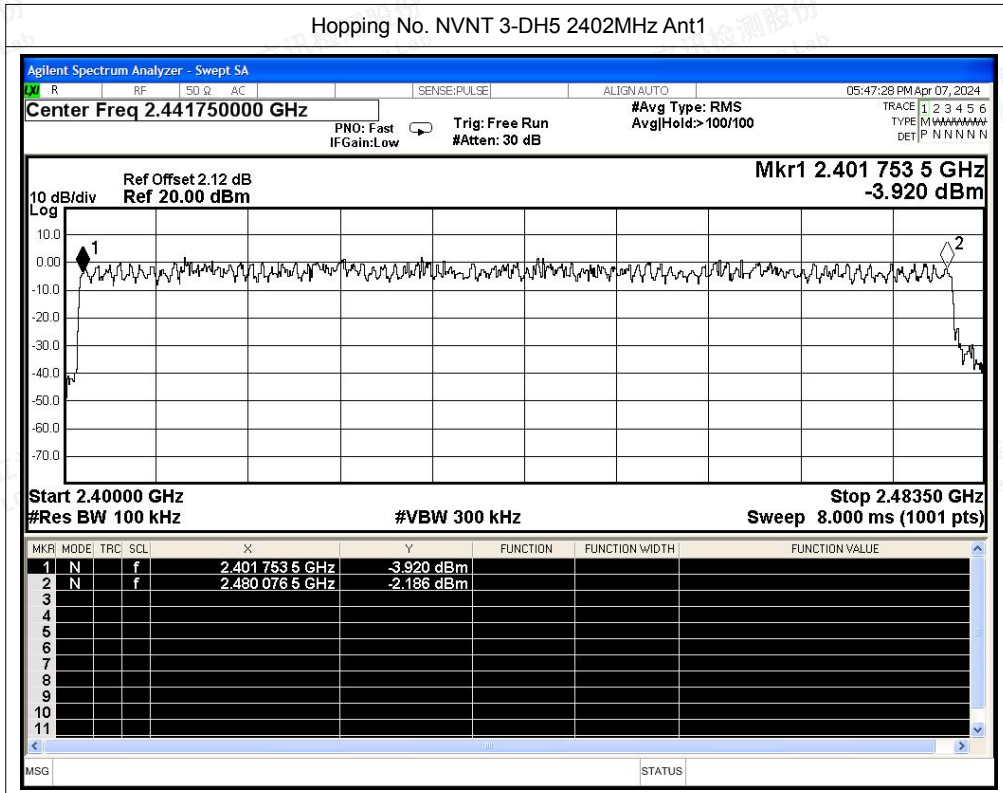
Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1







A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-49.87	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-54.96	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-48.92	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.88	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.68	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.27	-20	Pass

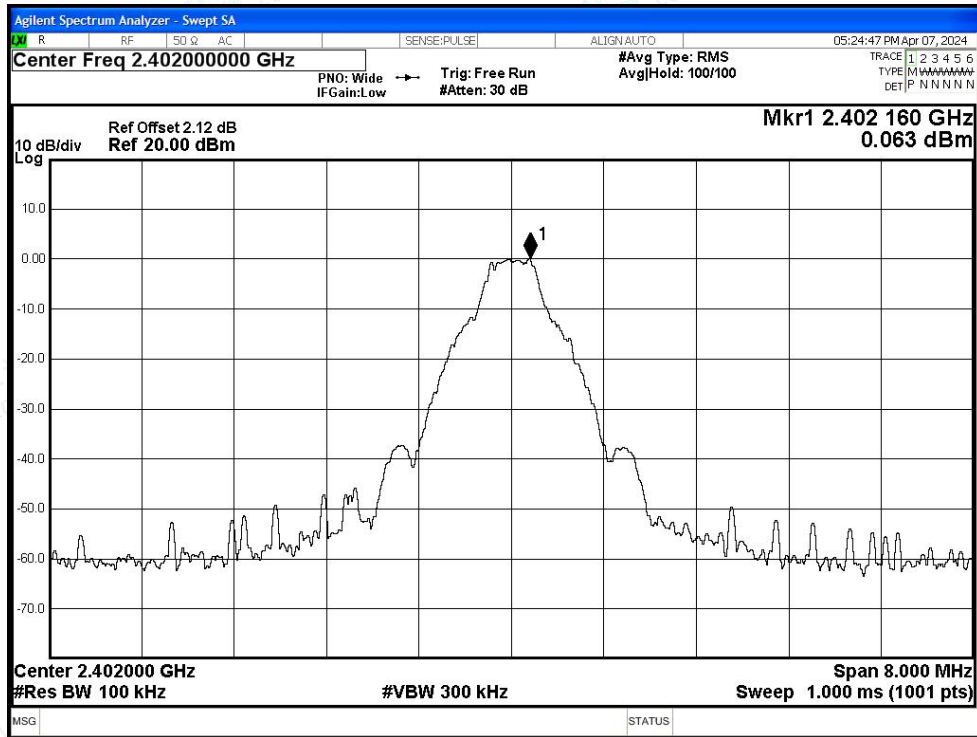


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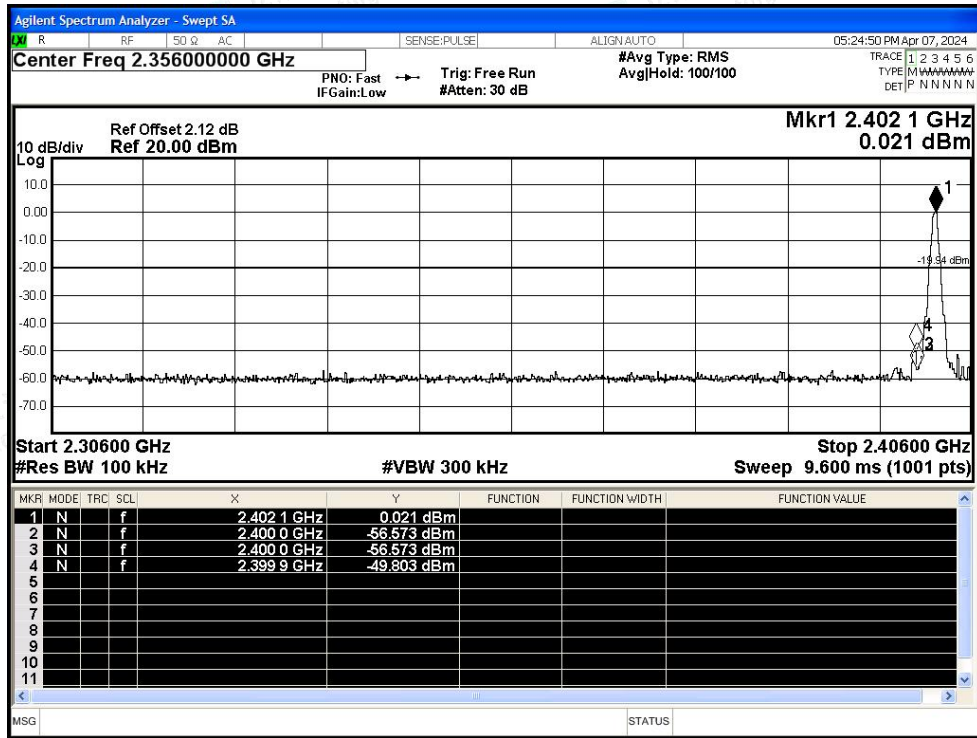


Test Graphs

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

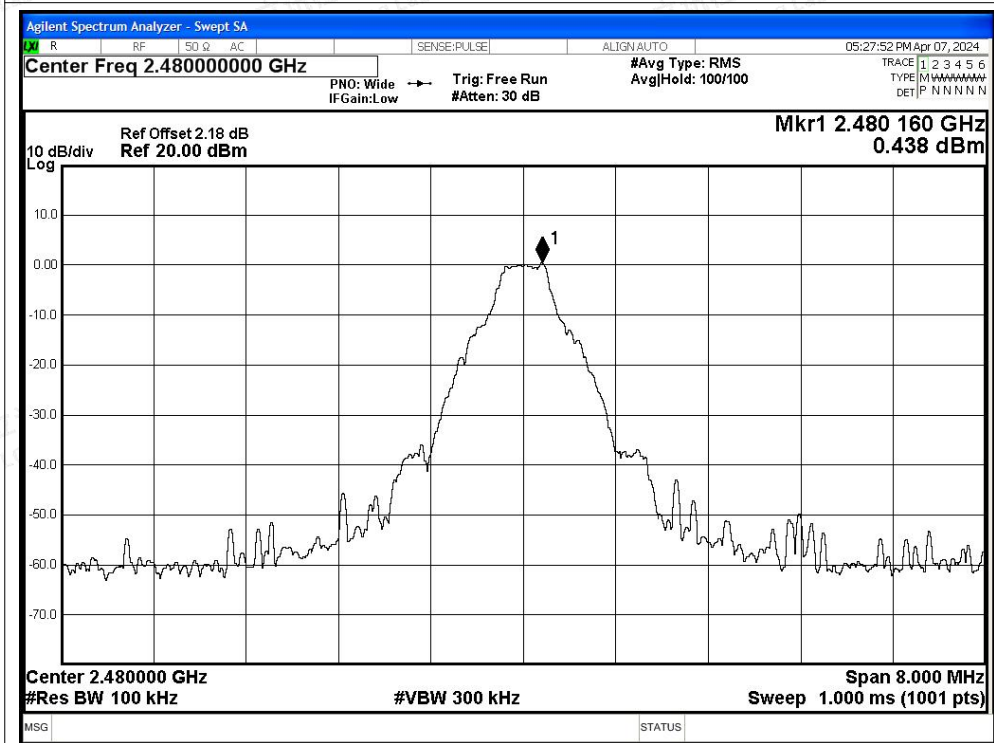


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

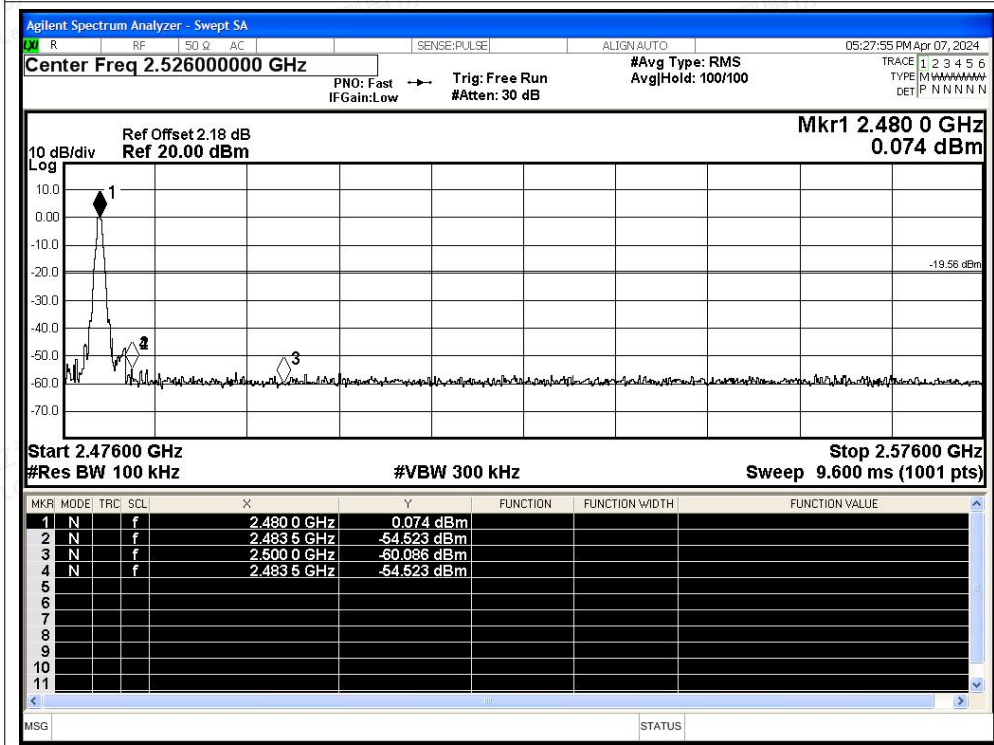




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

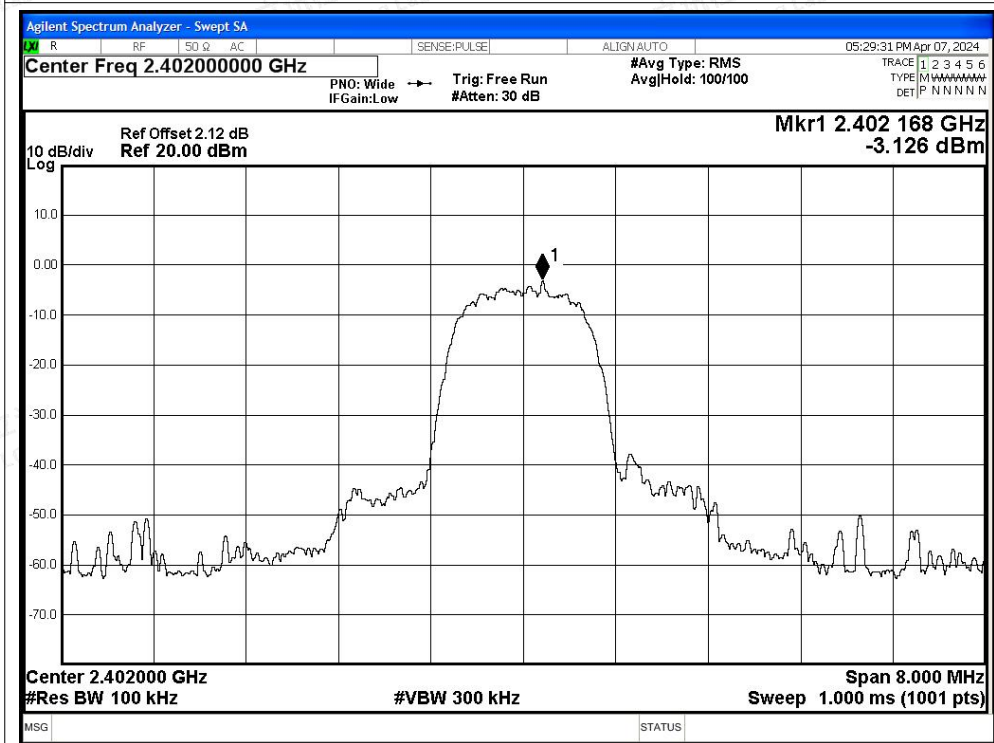


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

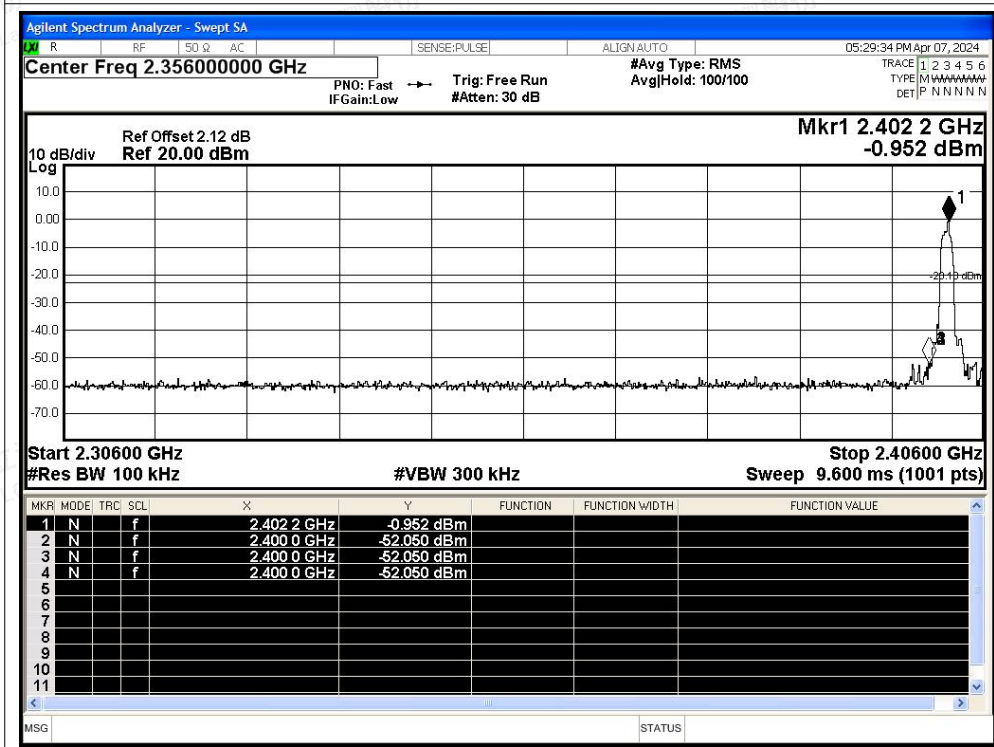




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

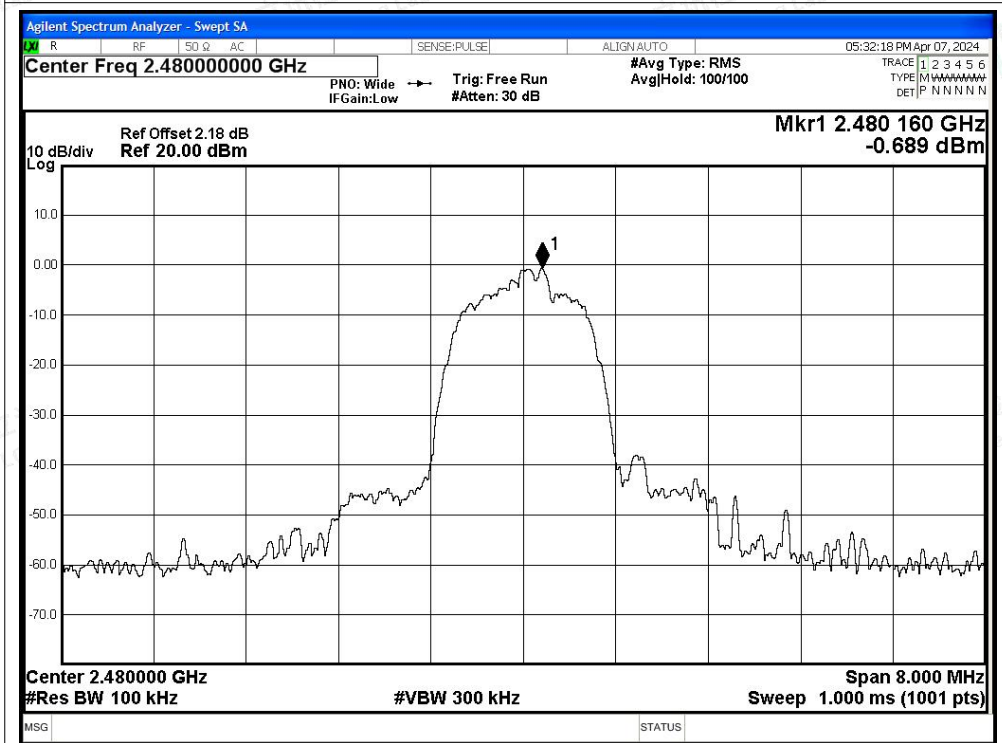


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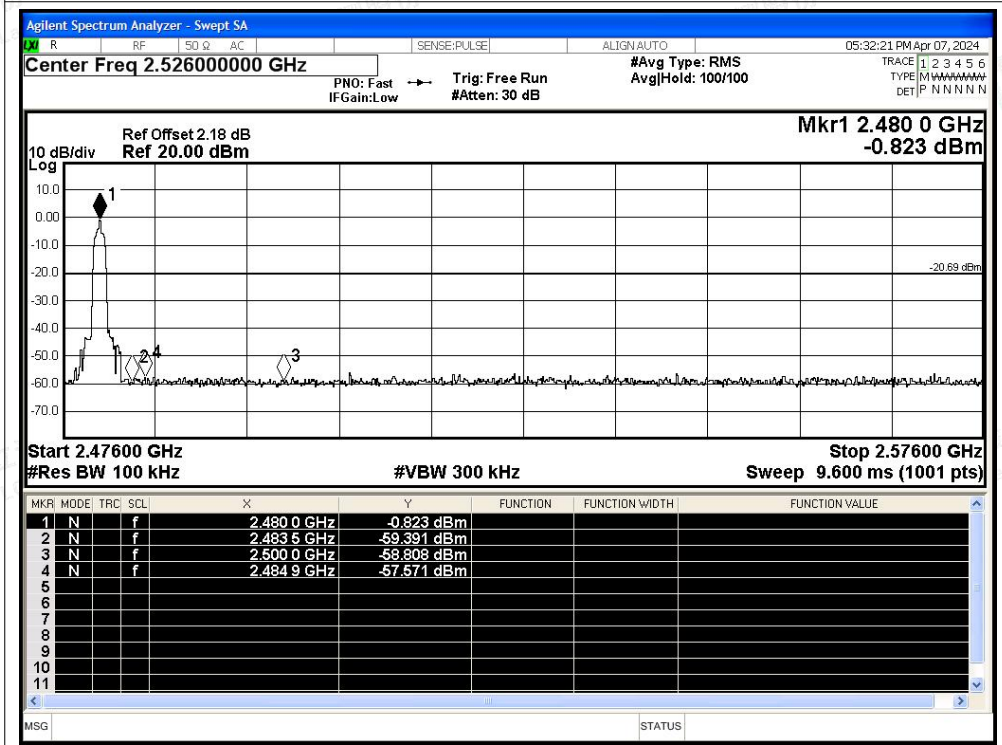




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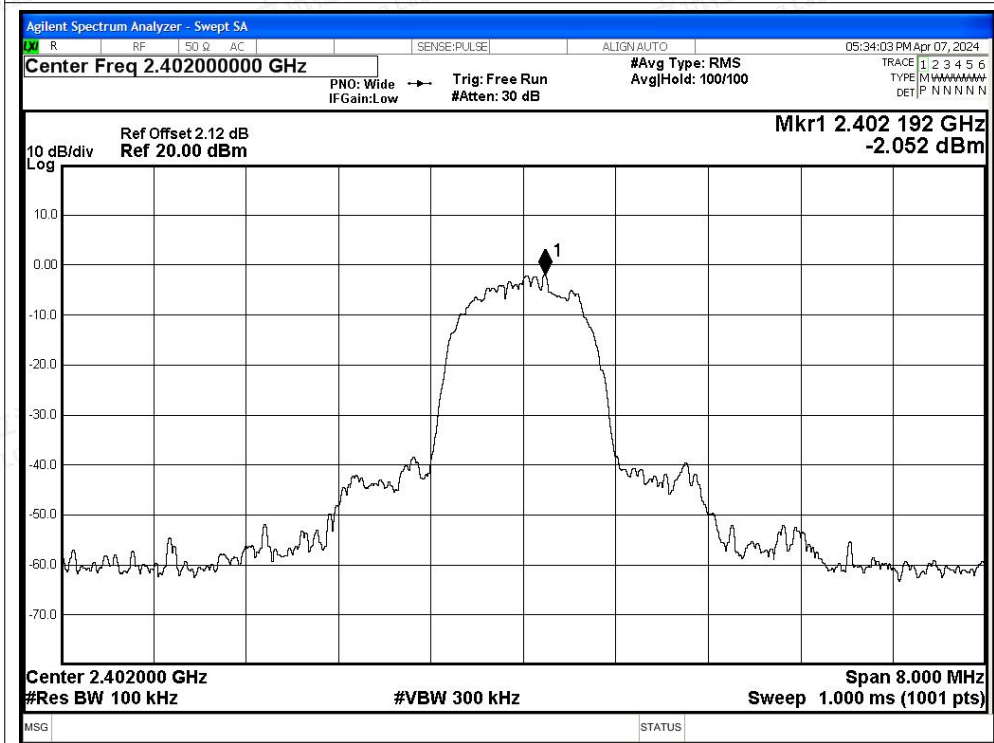


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

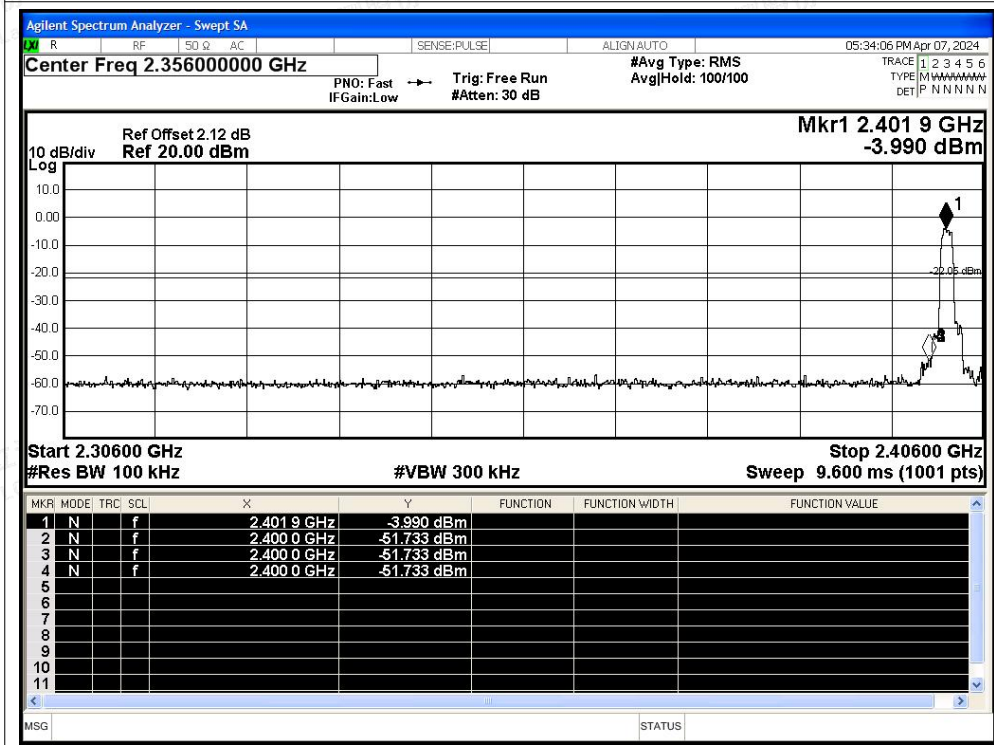




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

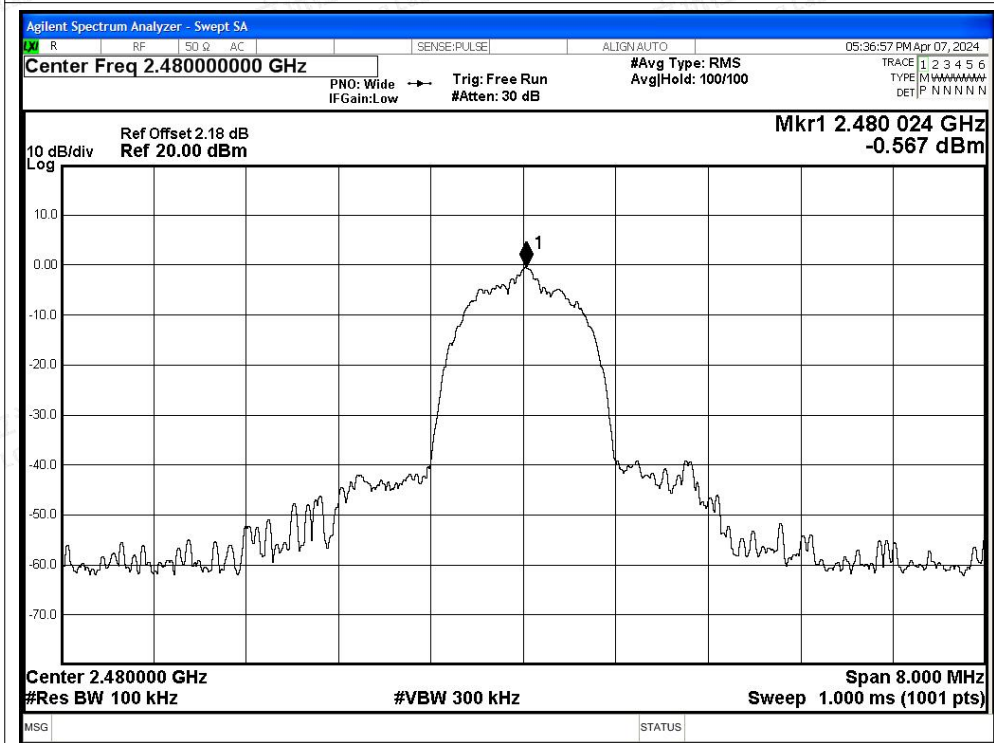


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

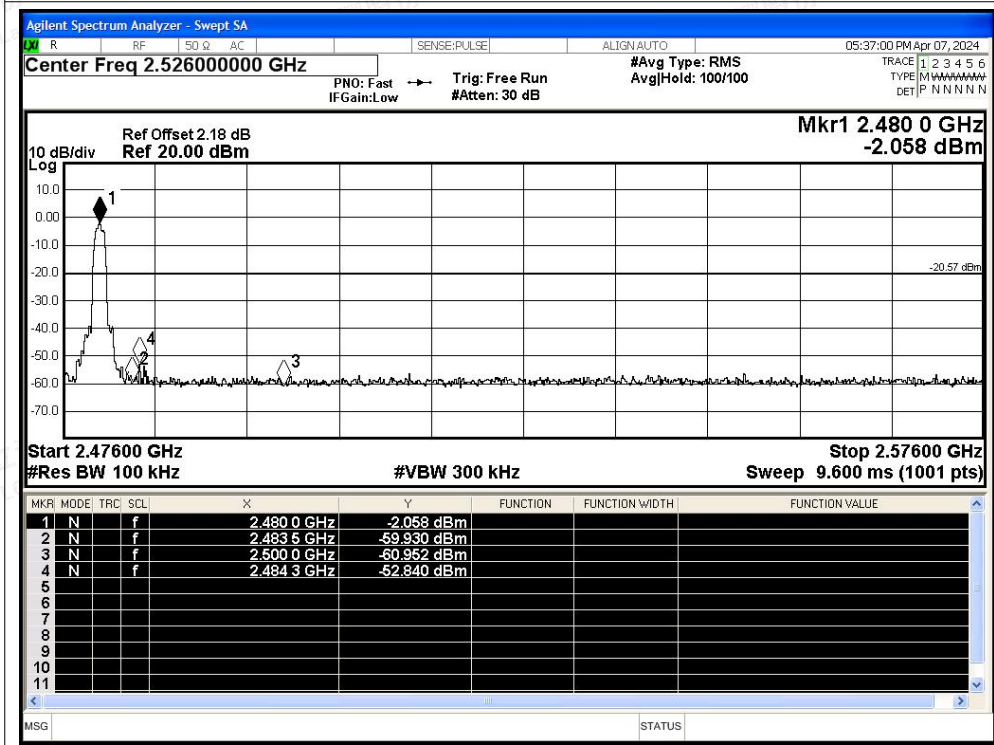




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-56.45	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-52.62	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.24	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.13	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.22	-20	Pass

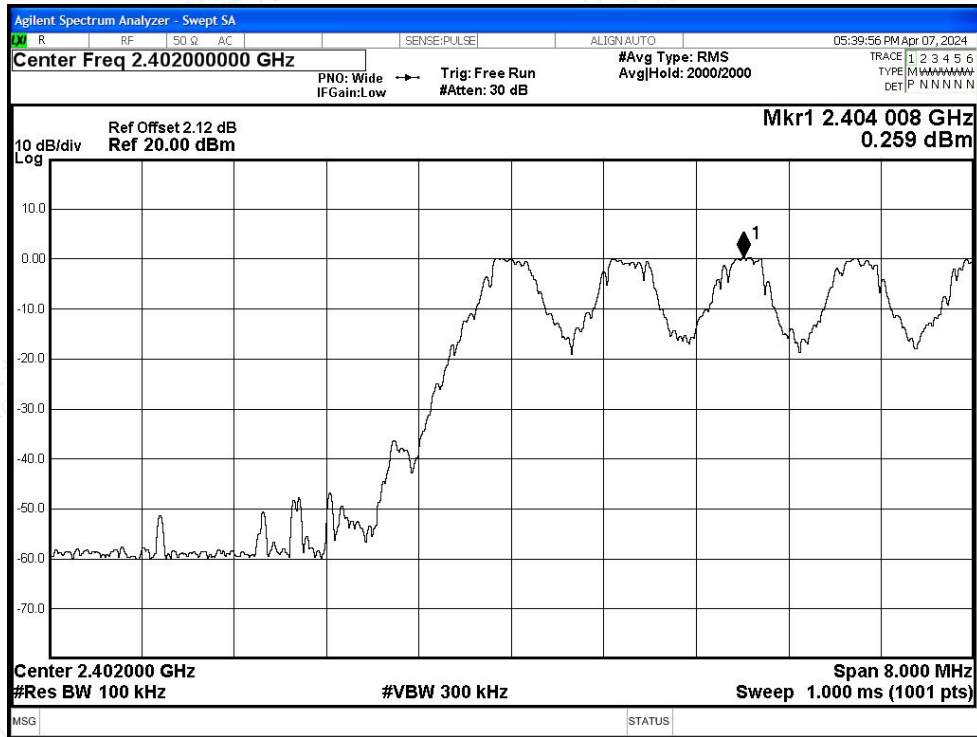


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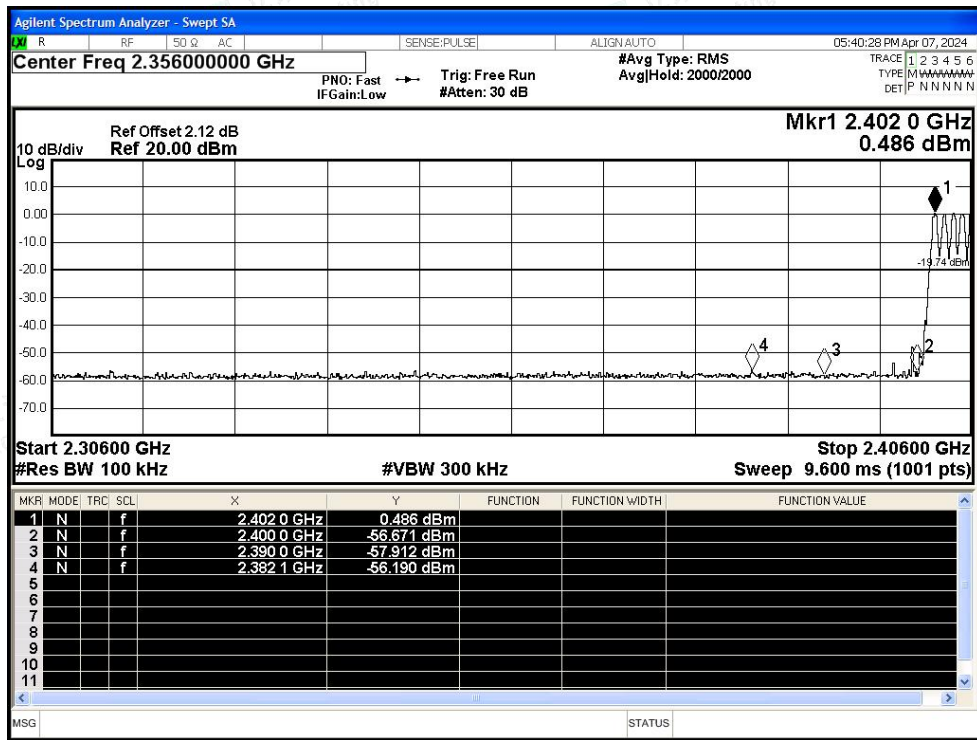


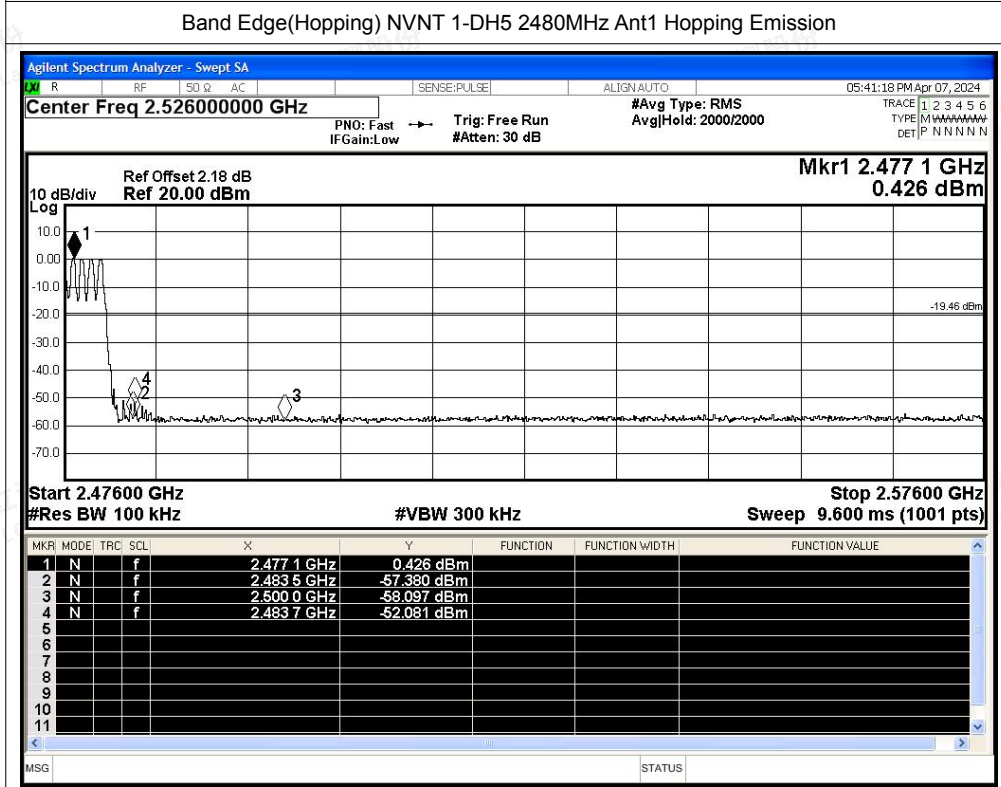
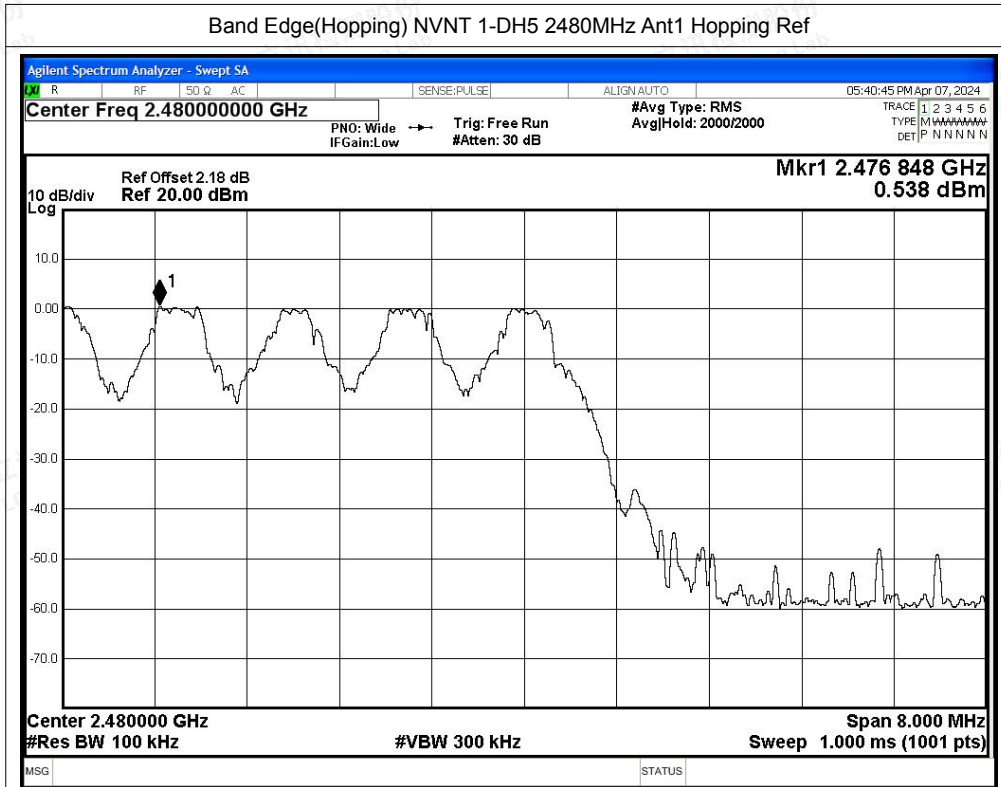
Test Graphs

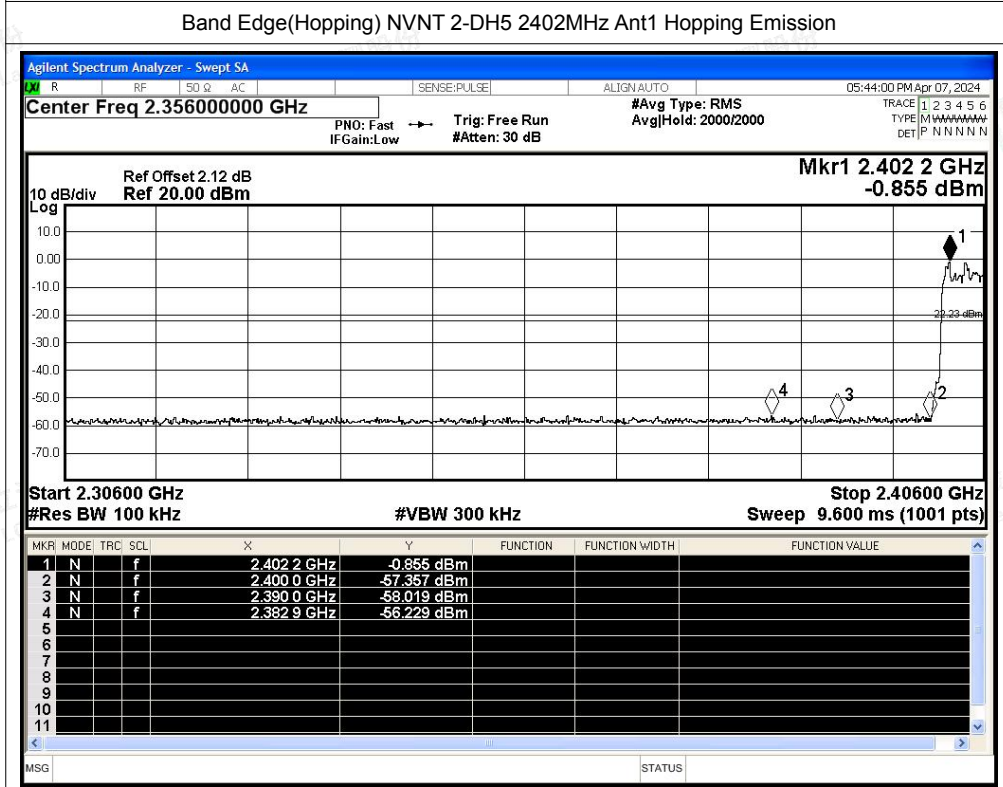
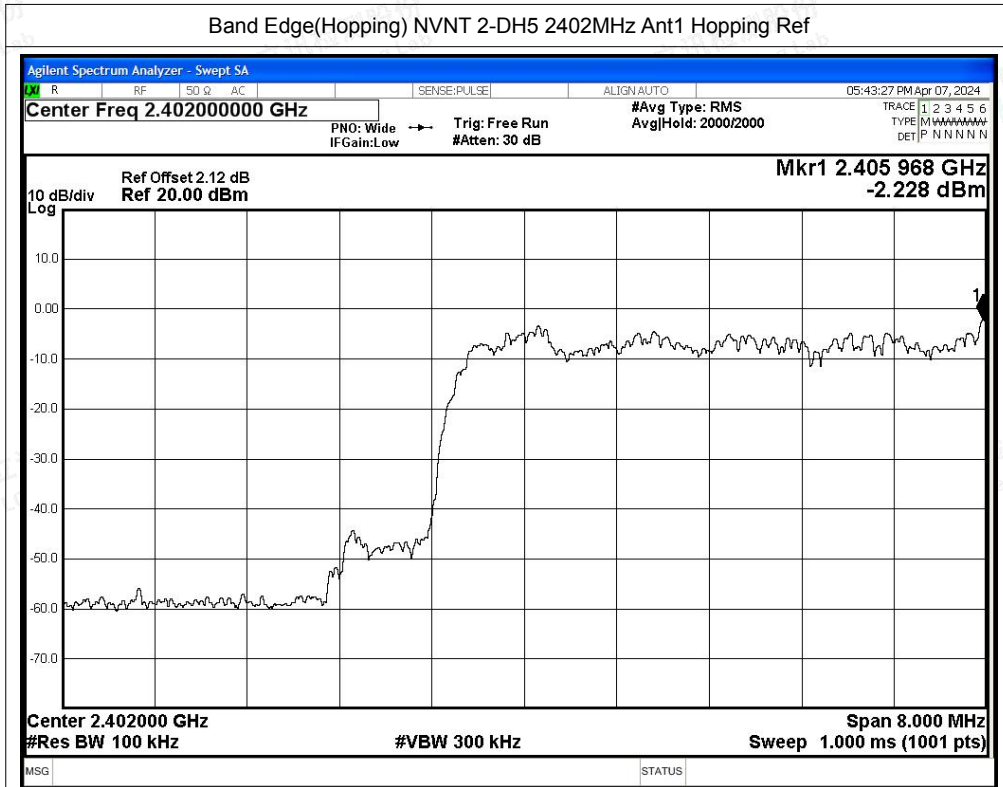
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref

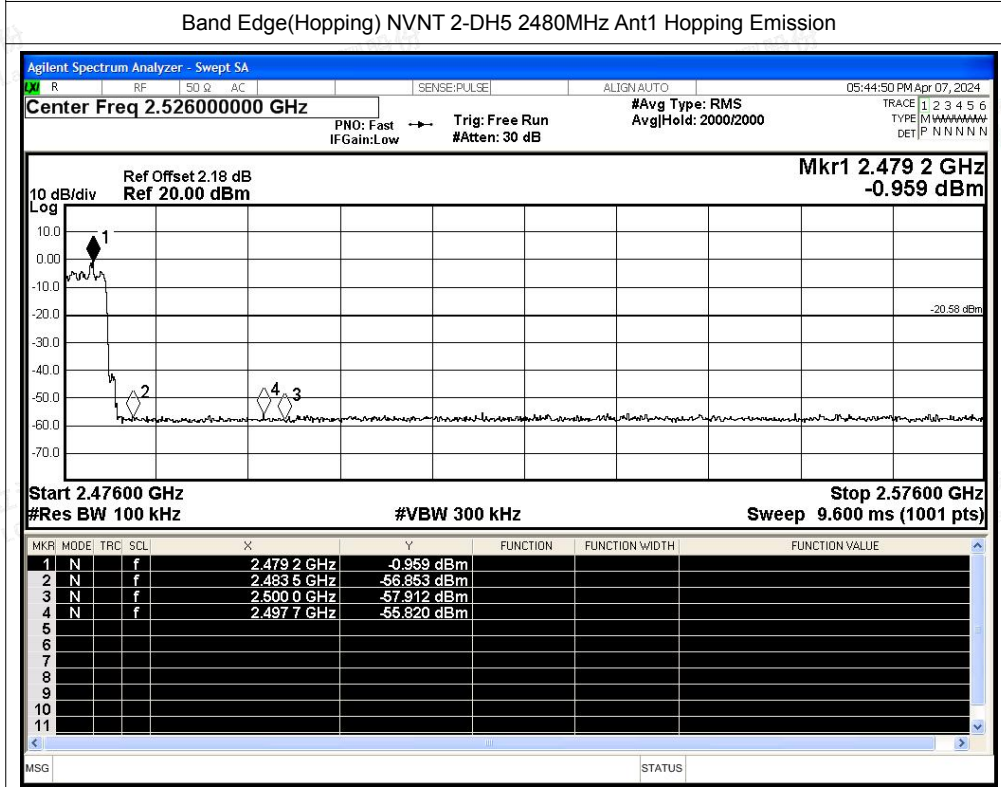
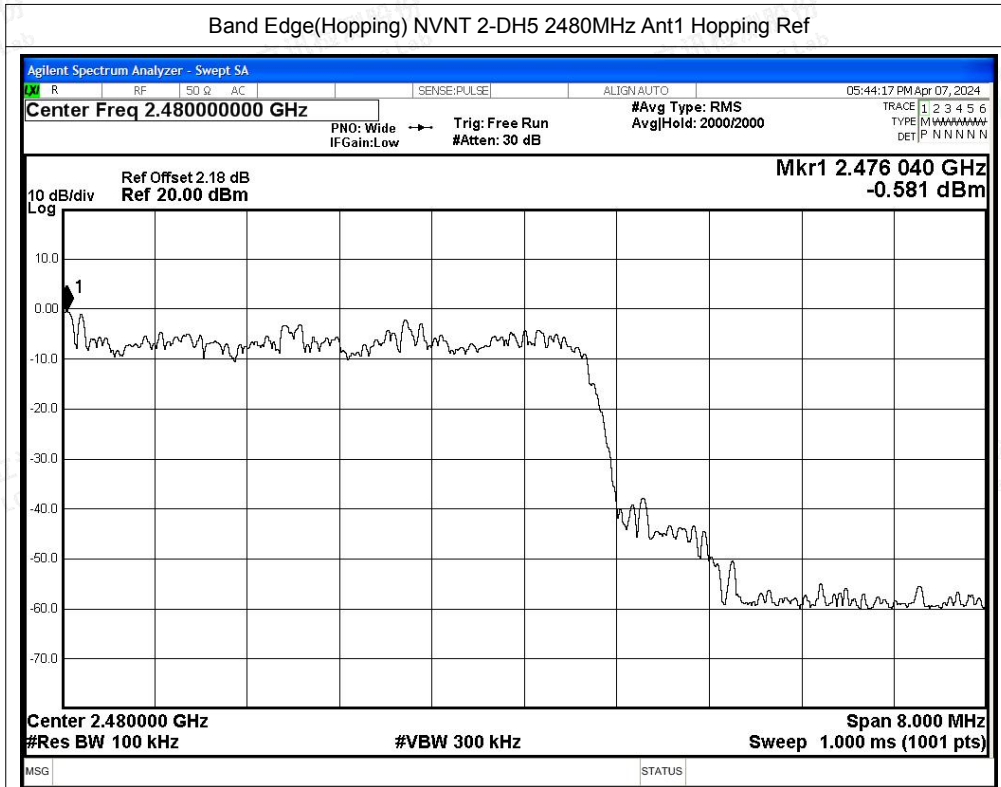


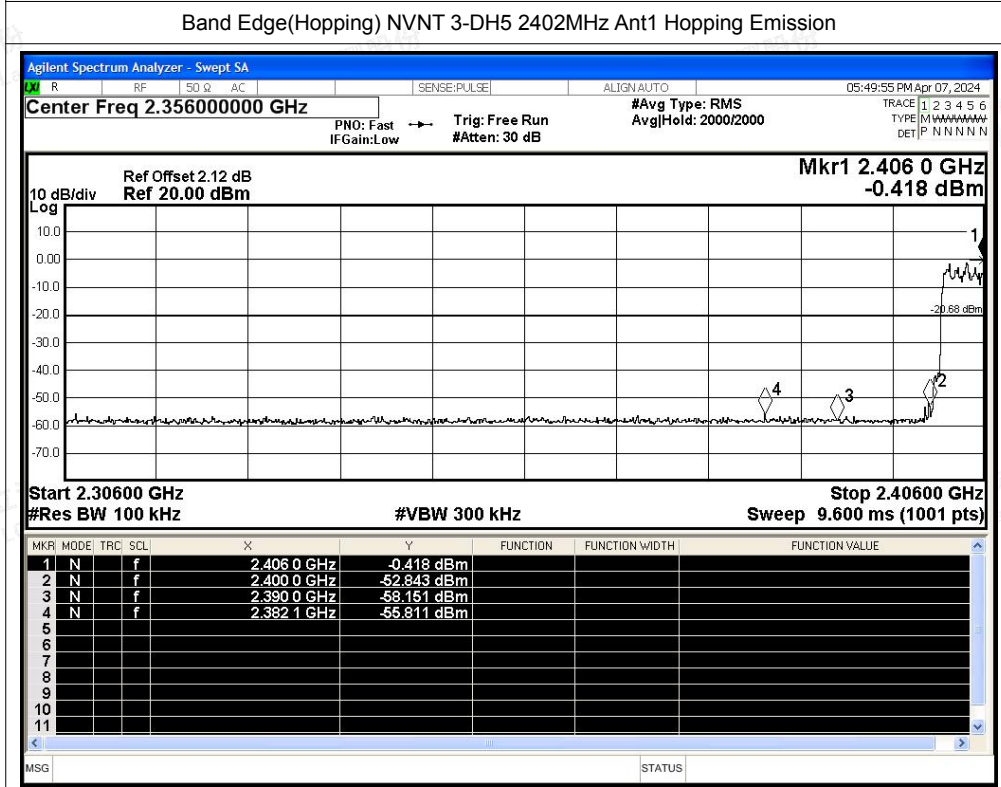
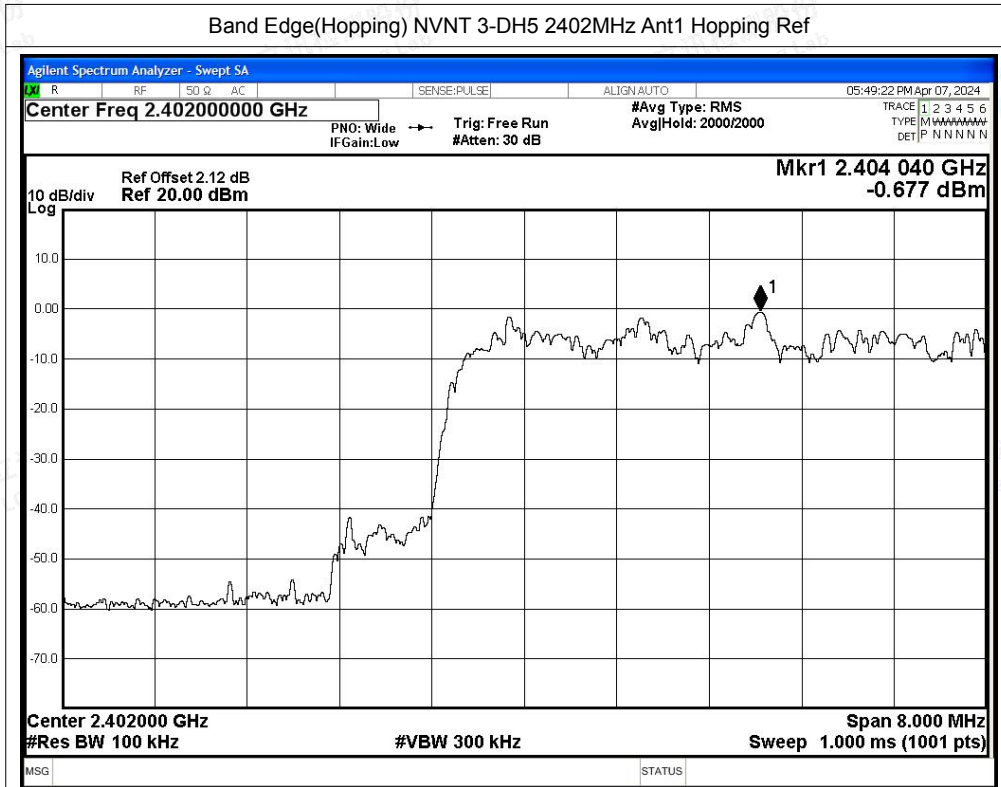
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission





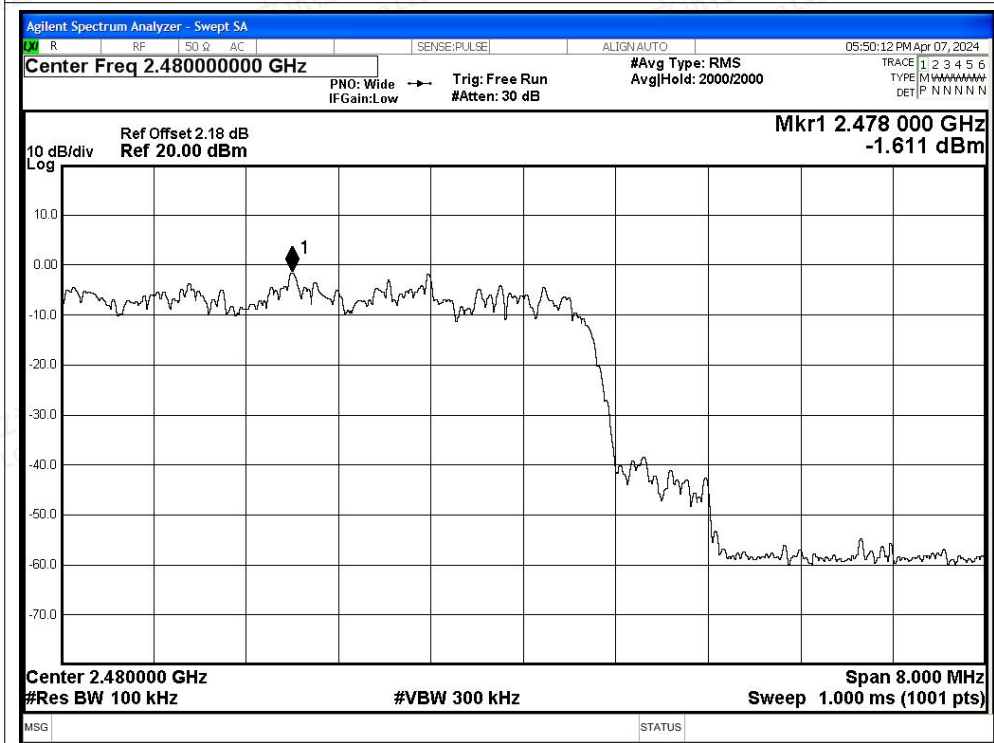




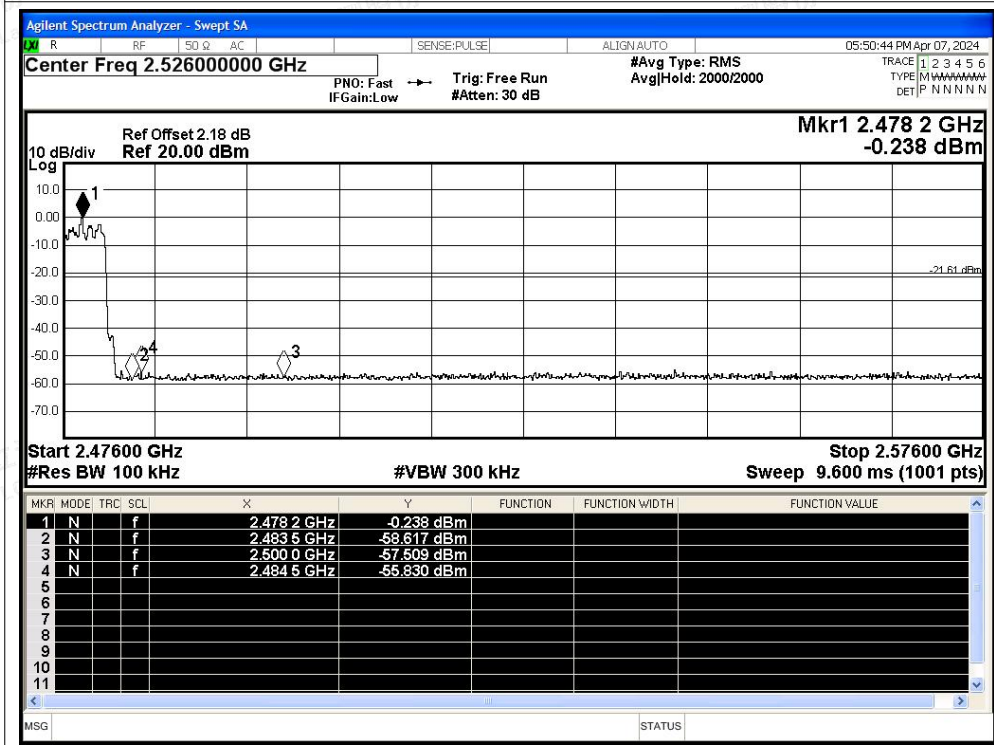




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-55.63	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.98	-20	Pass
NVNT	1-DH5	2480	Ant1	-54.4	-20	Pass
NVNT	2-DH5	2402	Ant1	-50.63	-20	Pass
NVNT	2-DH5	2441	Ant1	-53.98	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.48	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.93	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.69	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.89	-20	Pass

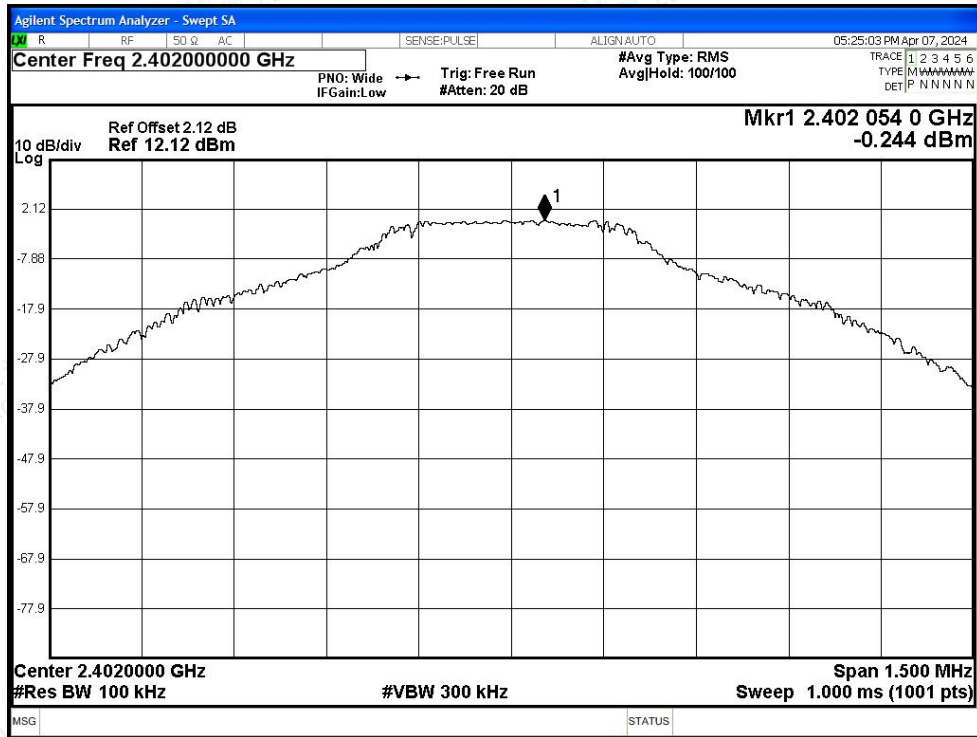


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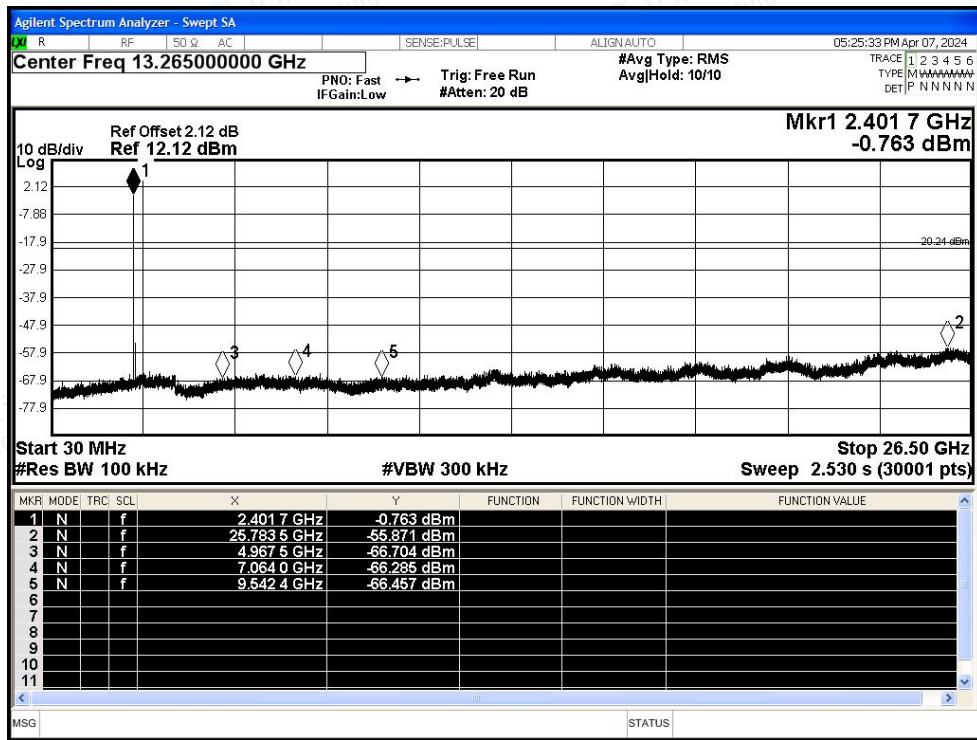


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

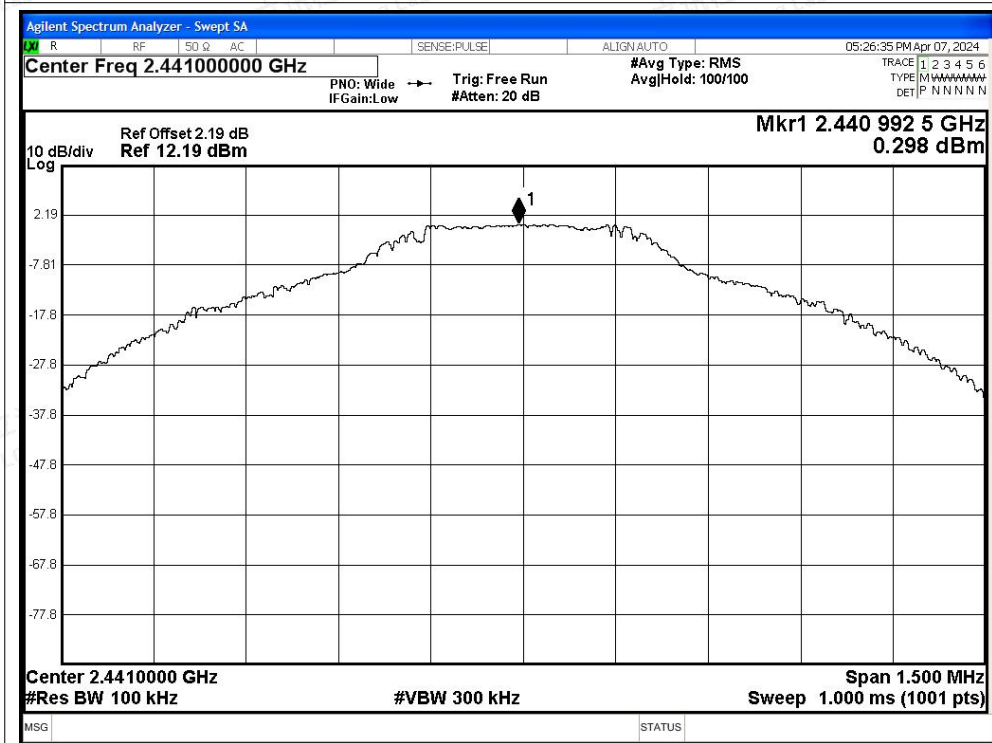


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

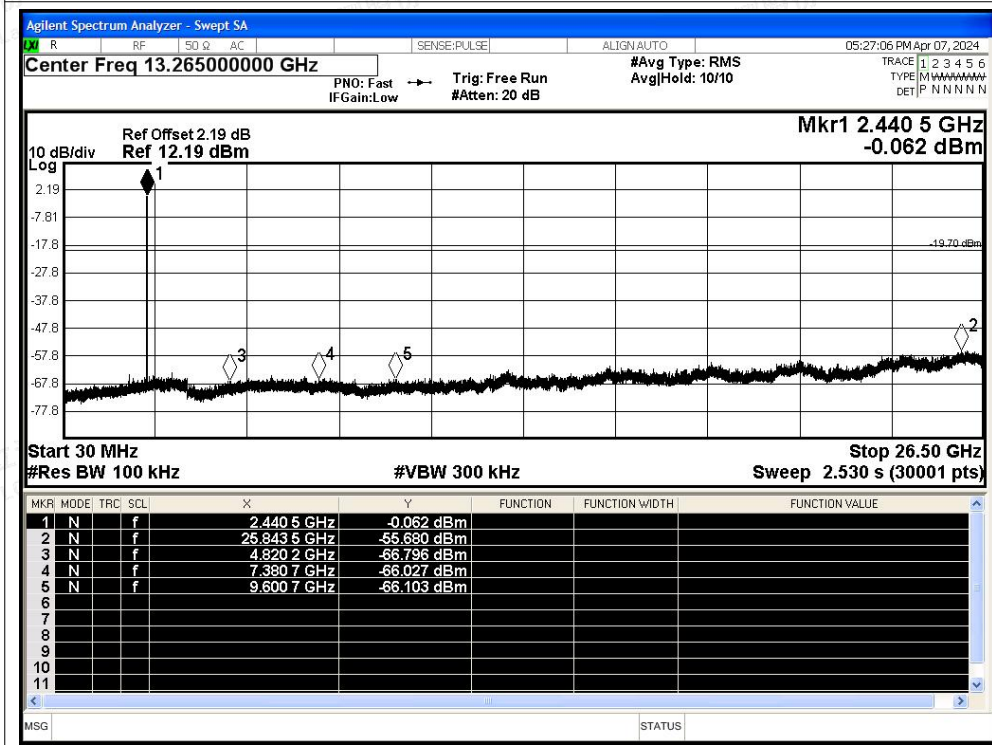




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

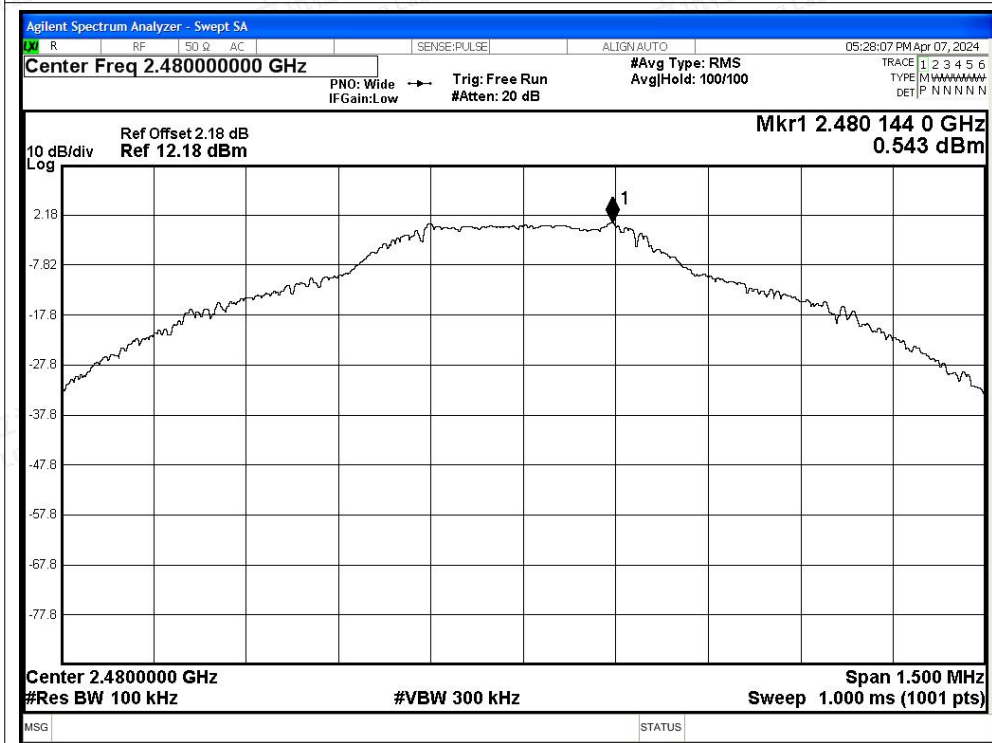


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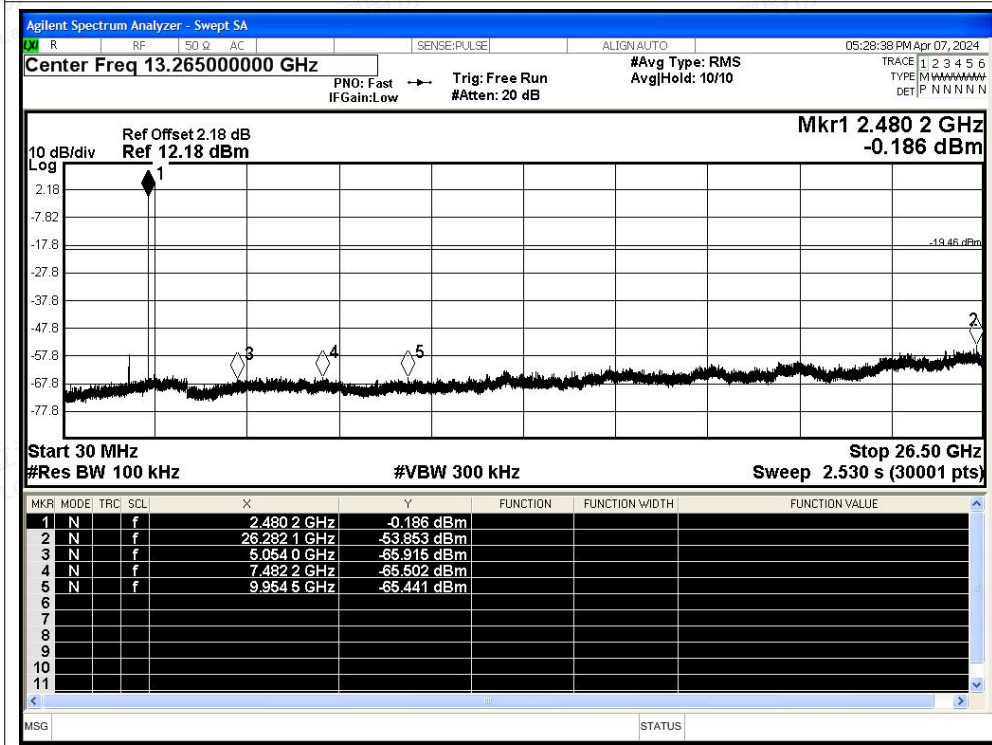




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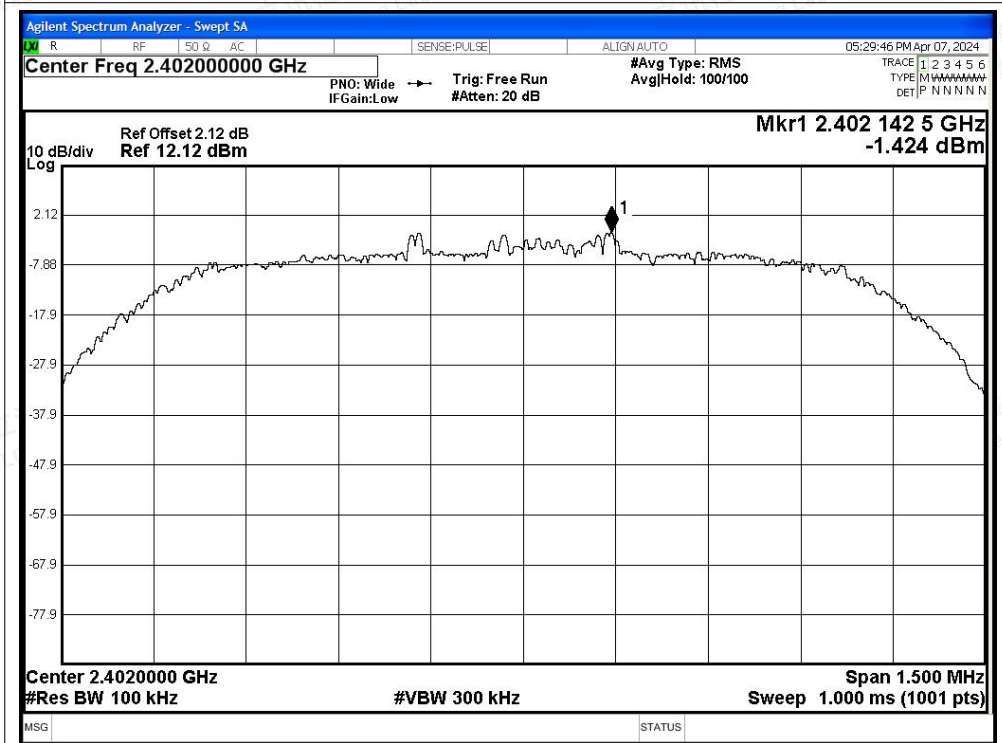


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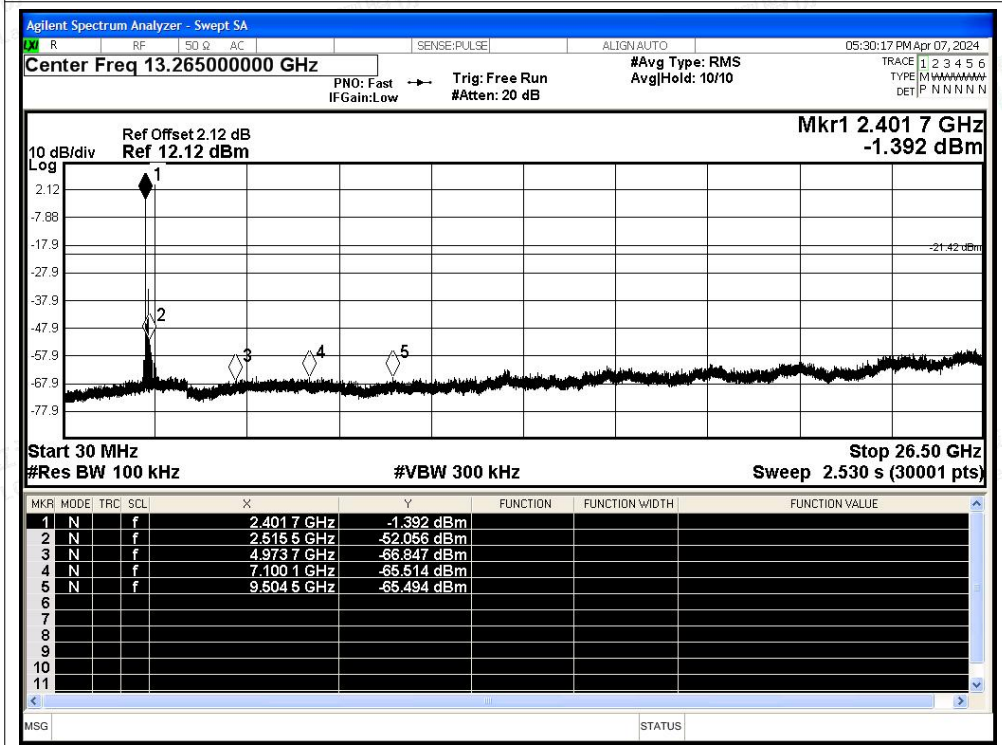




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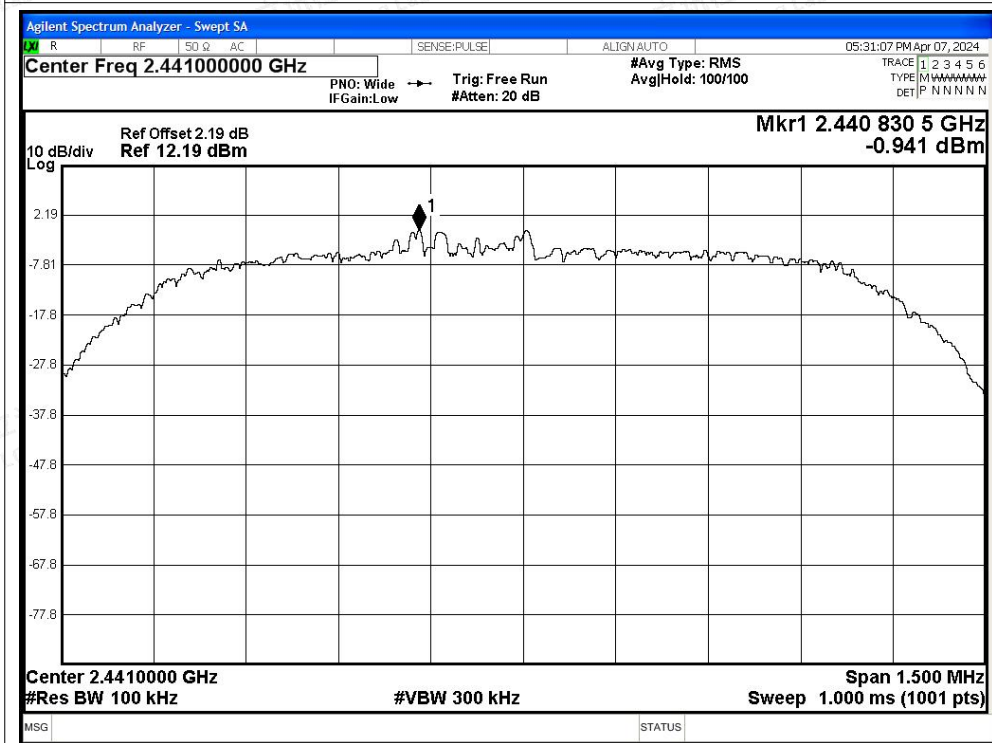


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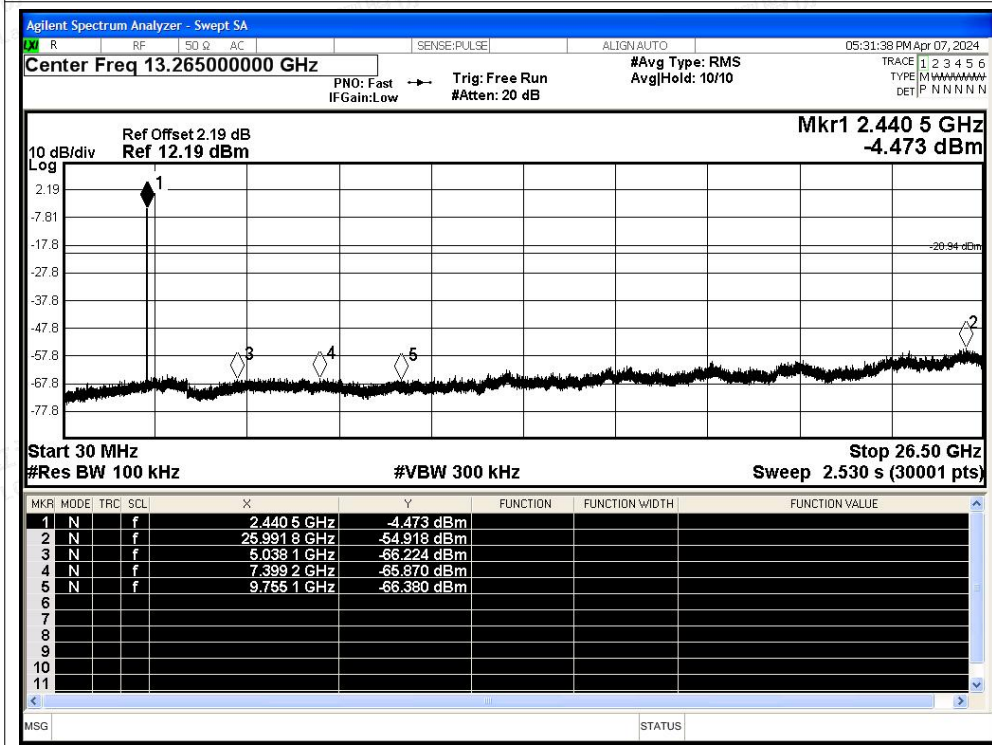




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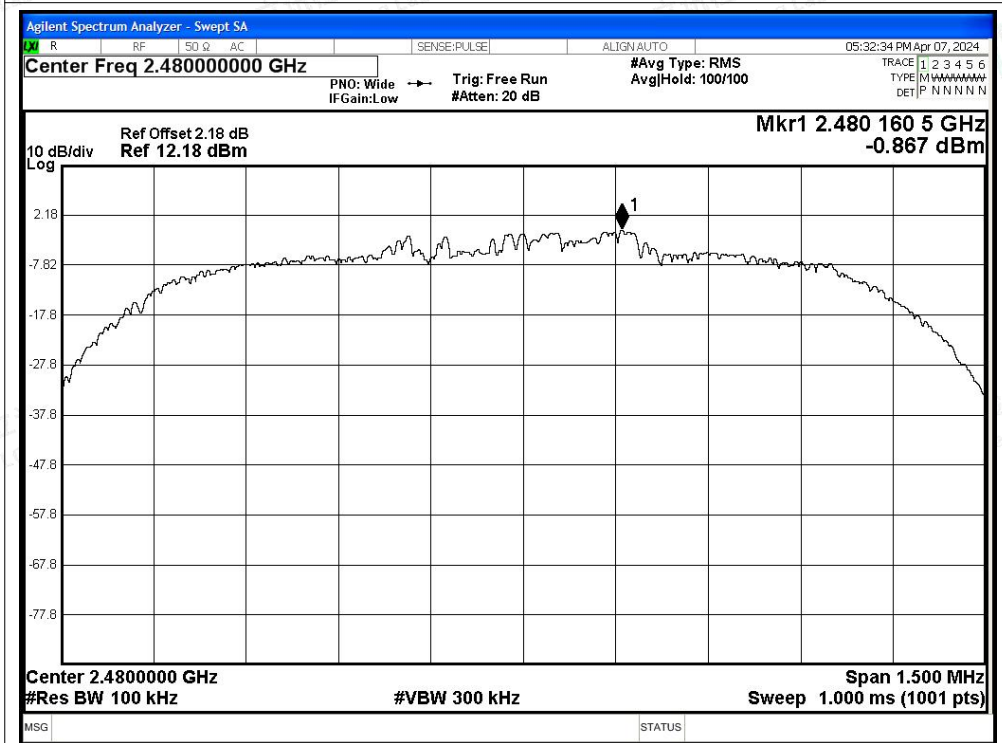


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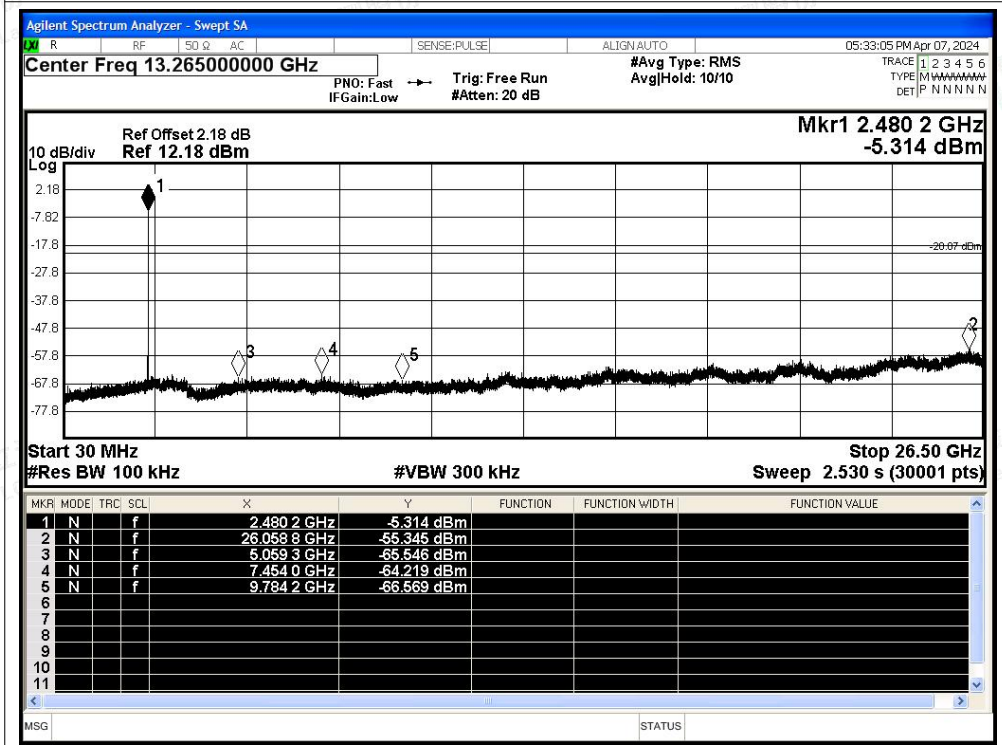




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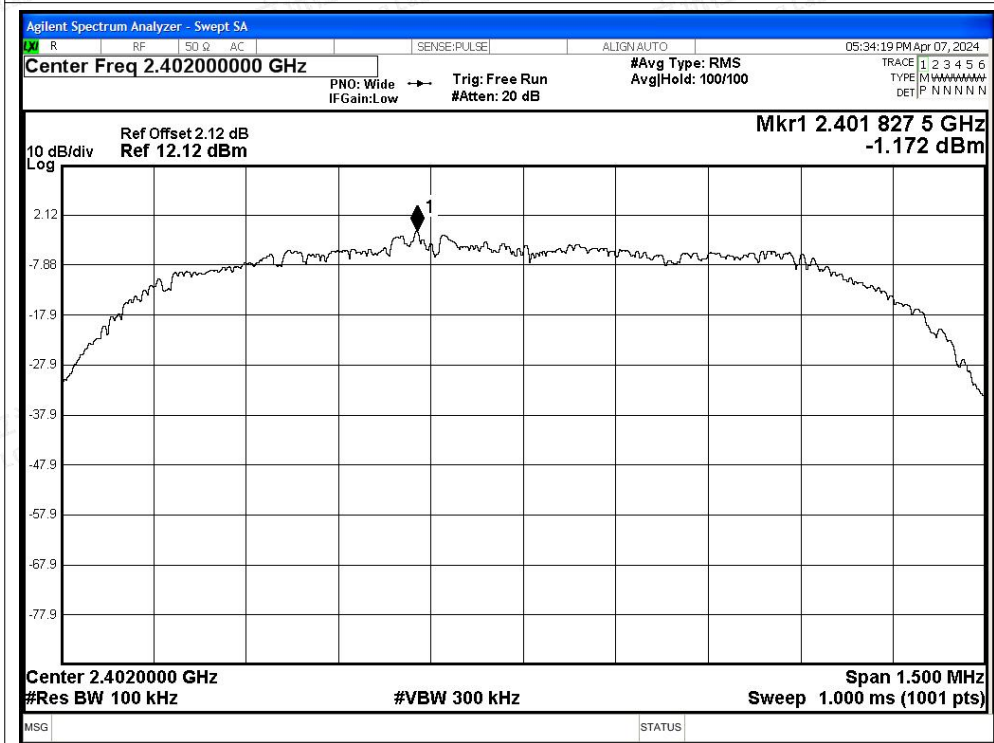


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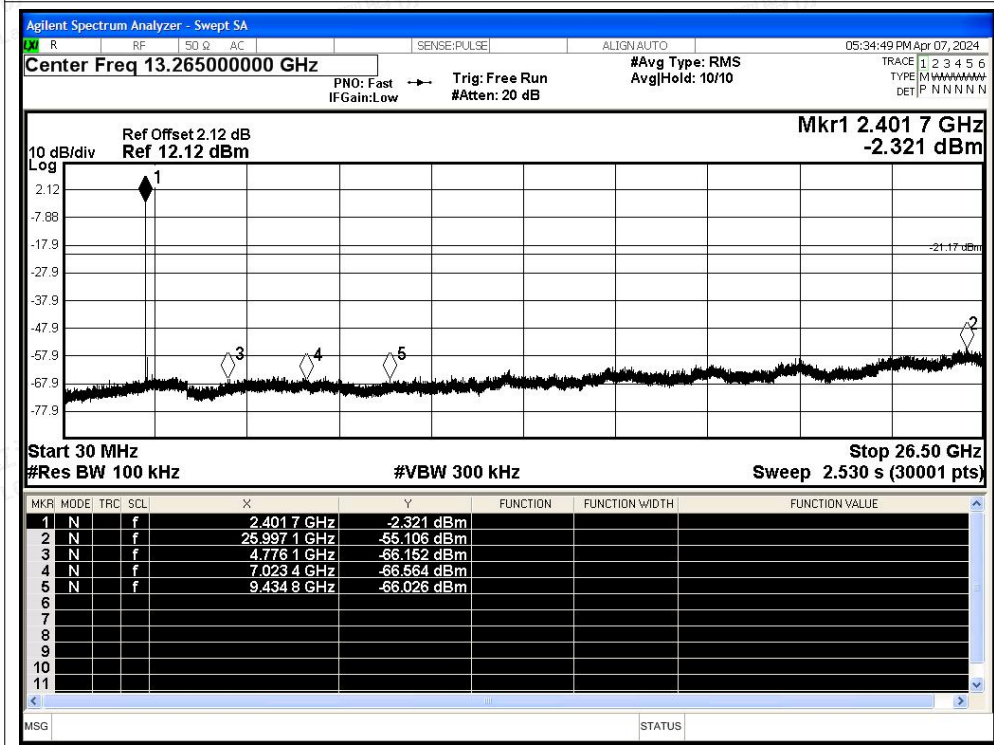




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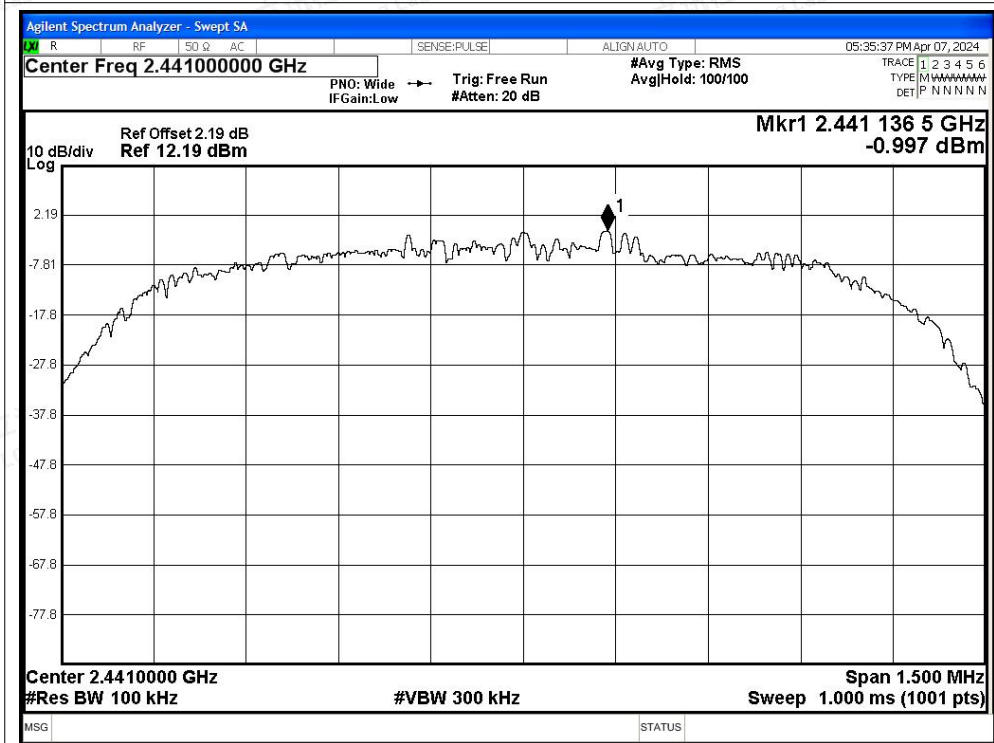


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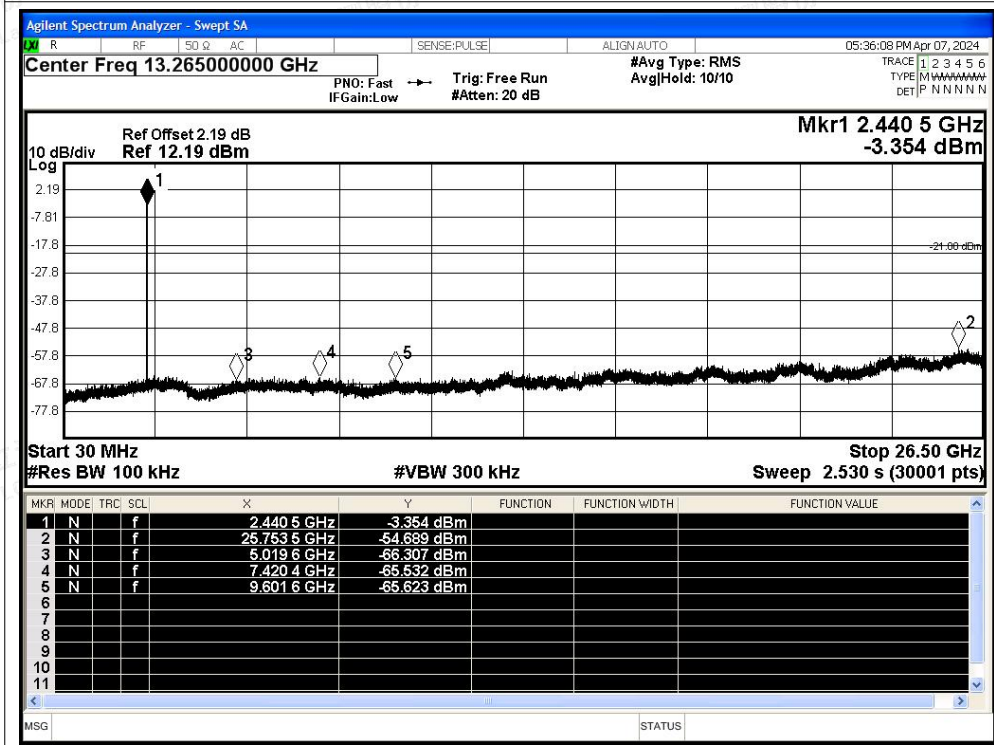




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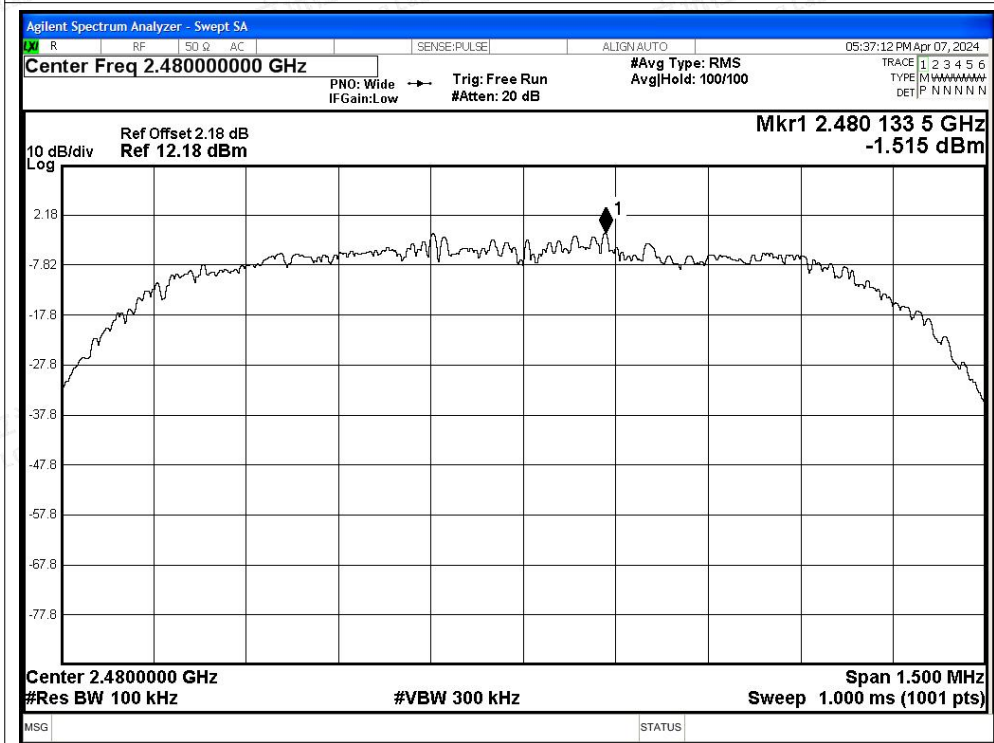


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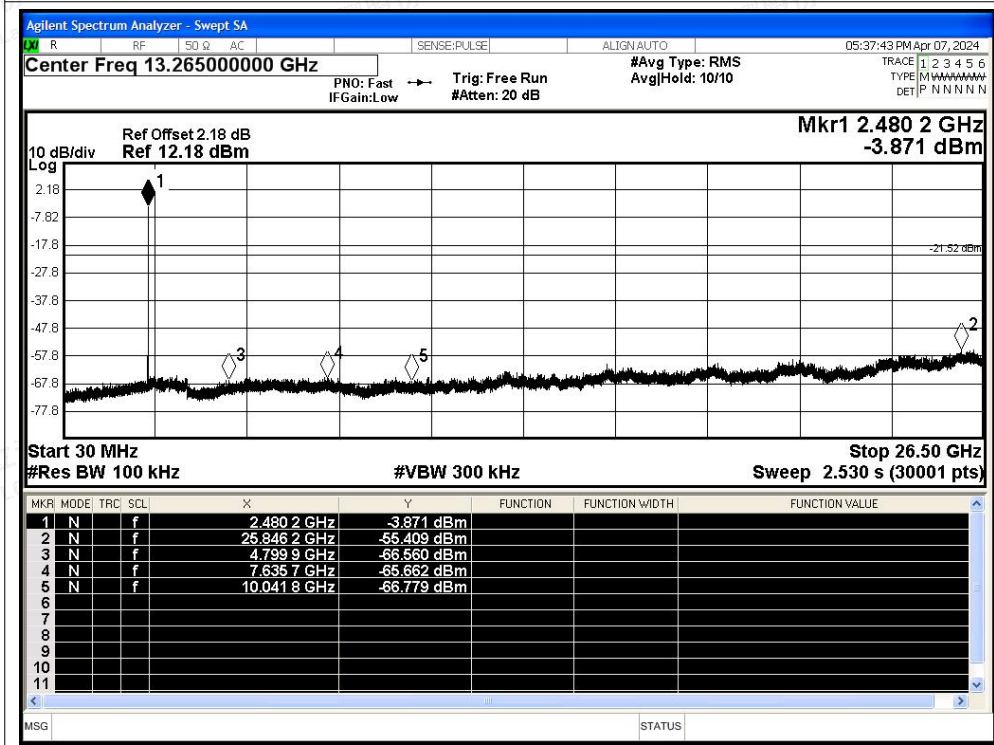




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.91	1.14	0.35
NVNT	1-DH5	2480	Ant1	76.91	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.99	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2480	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2402	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2441	Ant1	77.01	1.13	0.35
NVNT	3-DH5	2480	Ant1	77.01	1.13	0.35

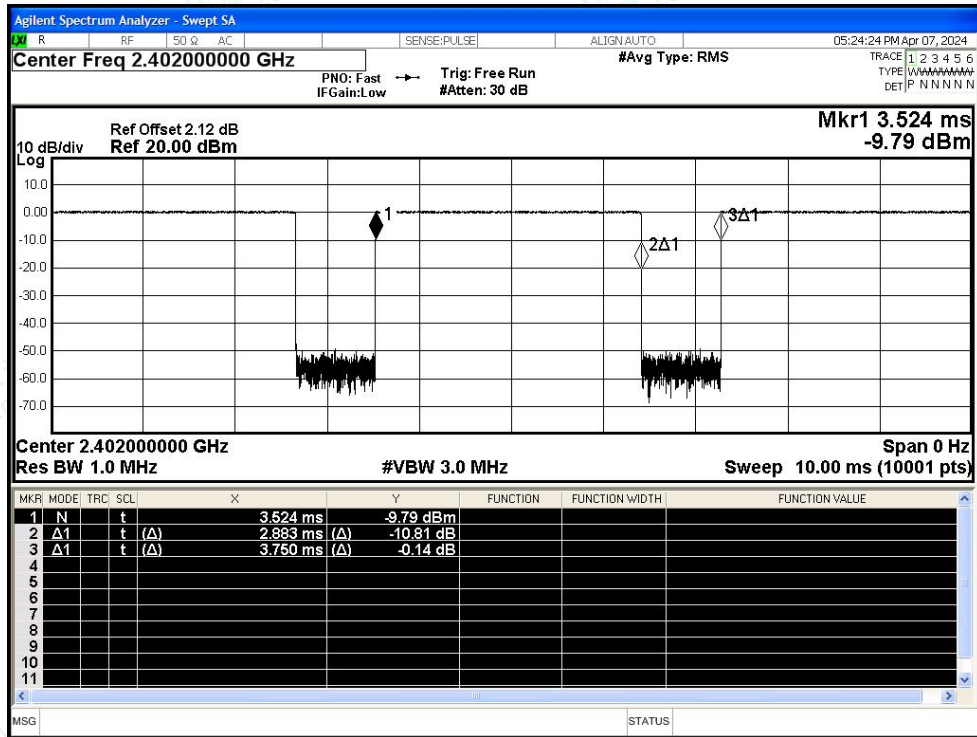


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

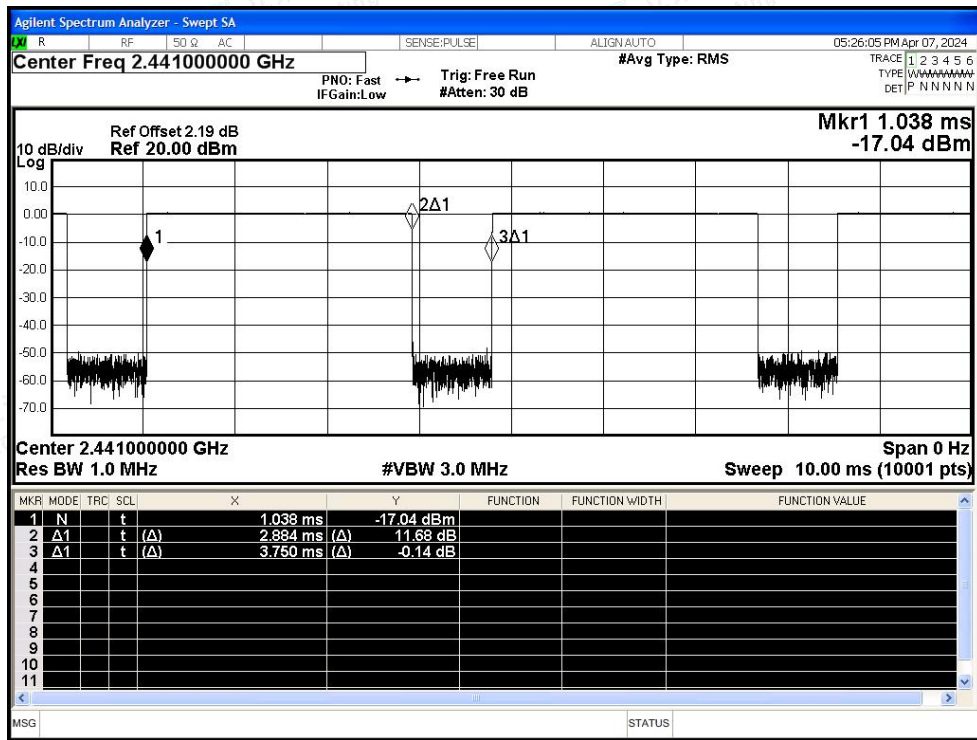


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

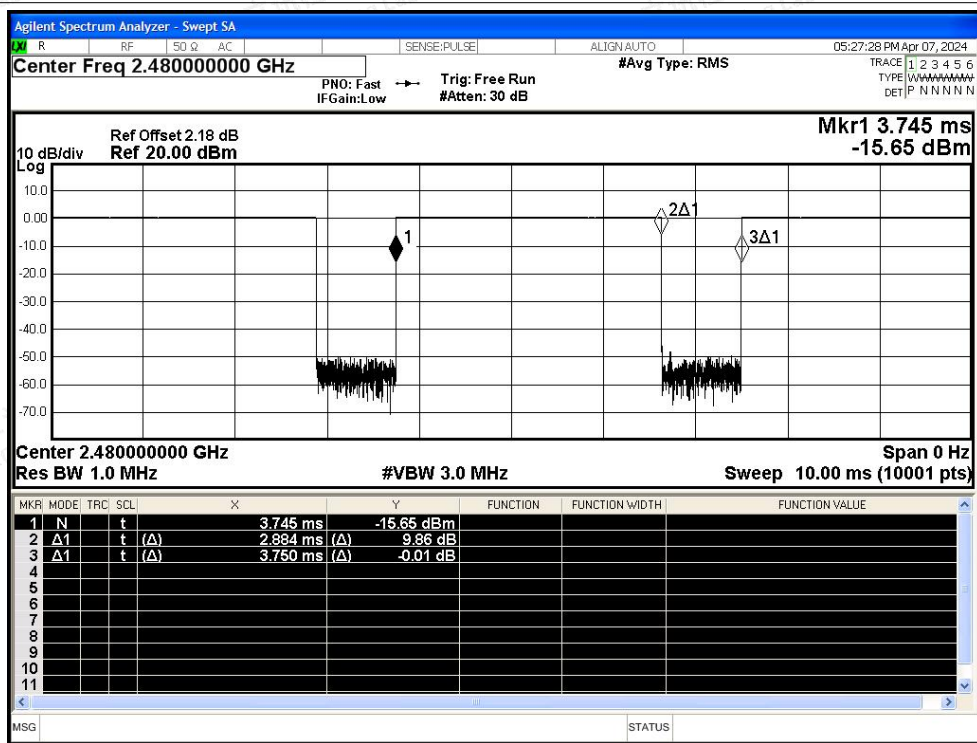


Duty Cycle NVNT 1-DH5 2441MHz Ant1

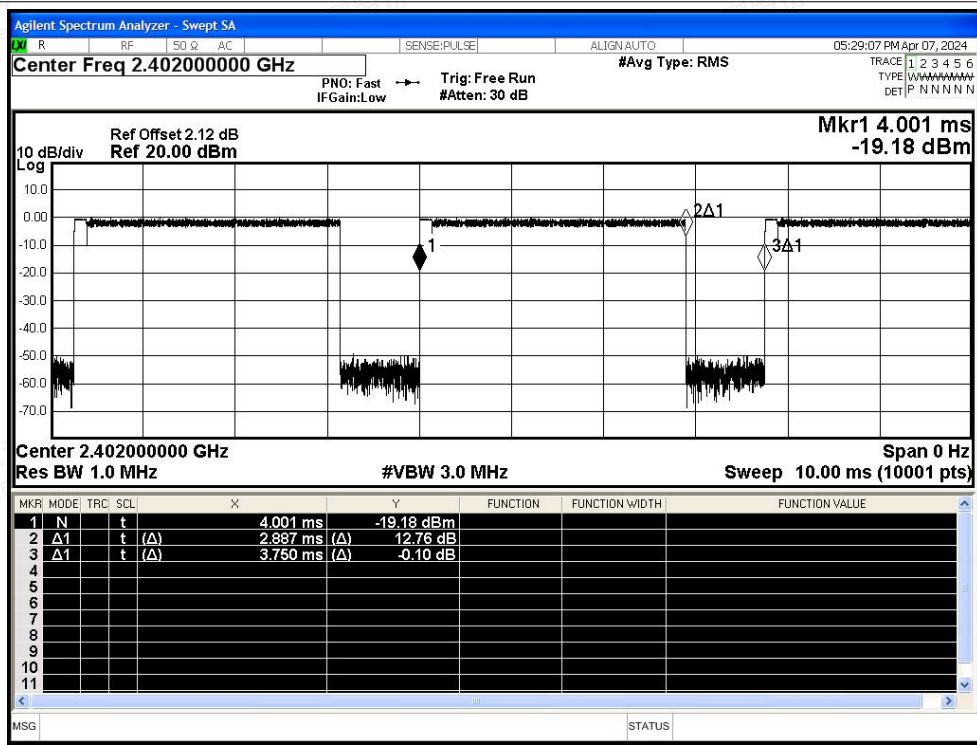




Duty Cycle NVNT 1-DH5 2480MHz Ant1

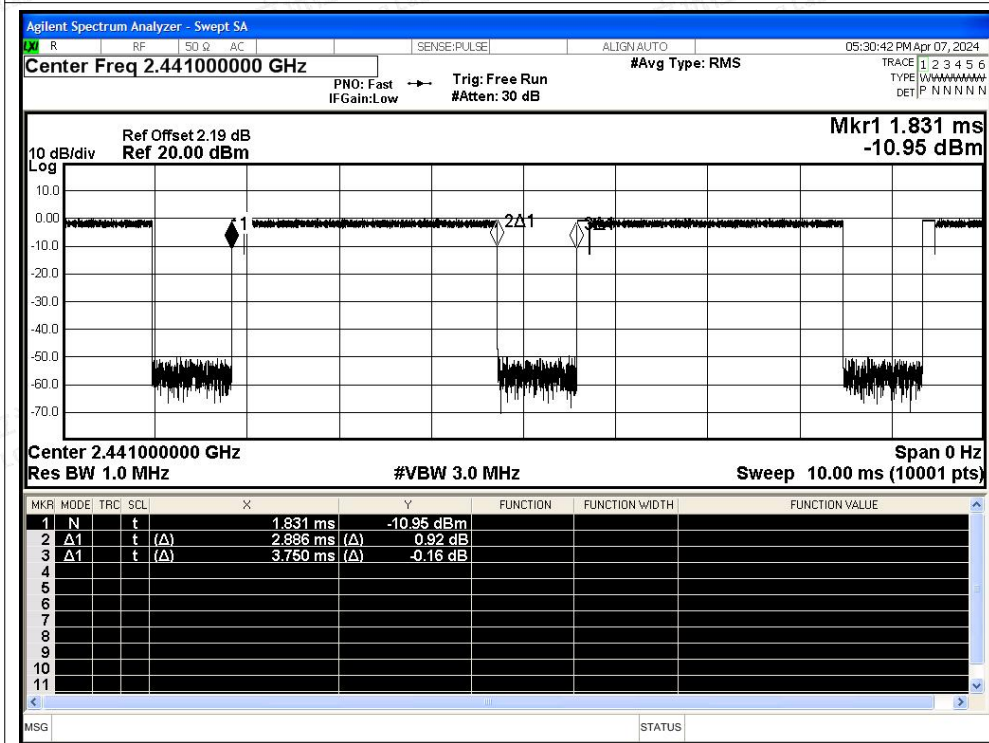


Duty Cycle NVNT 2-DH5 2402MHz Ant1

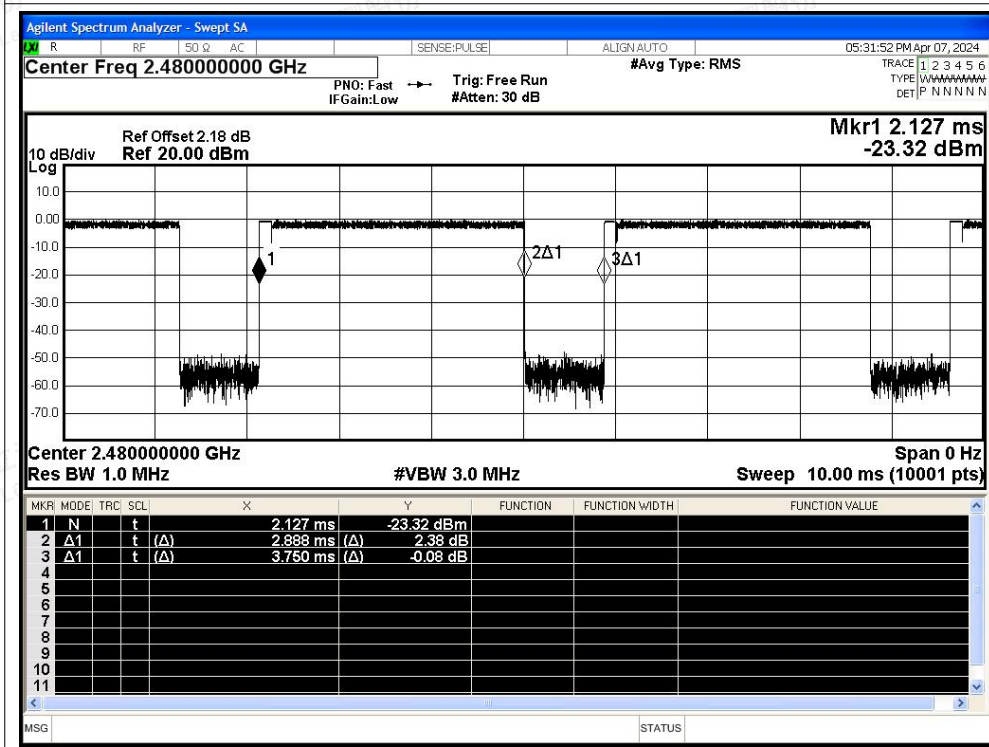




Duty Cycle NVNT 2-DH5 2441MHz Ant1

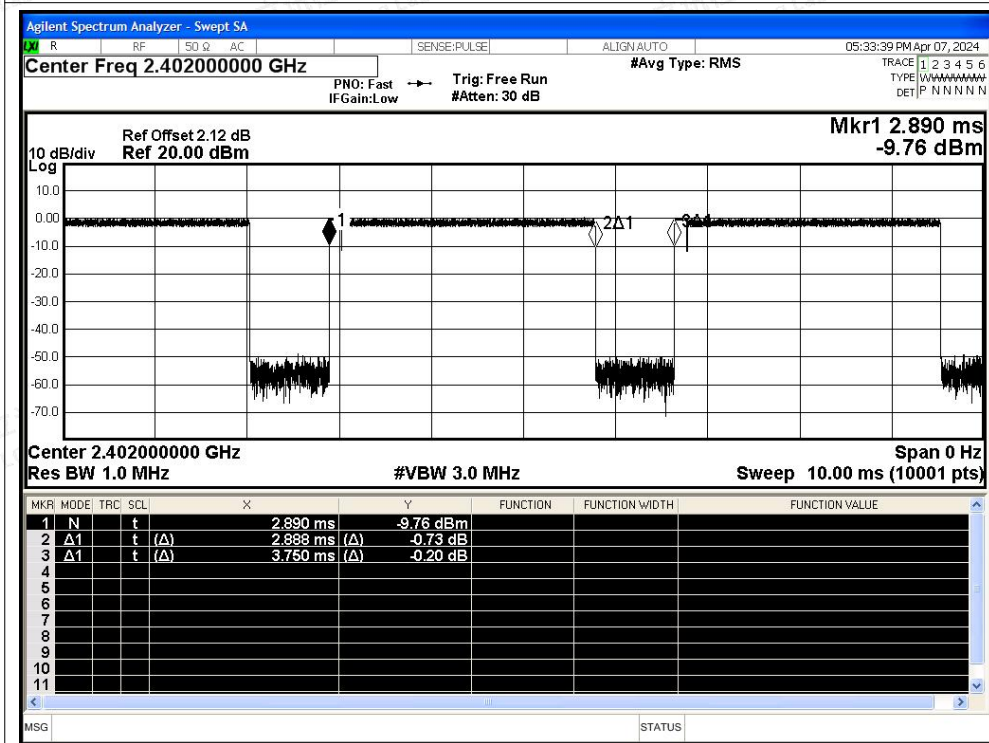


Duty Cycle NVNT 2-DH5 2480MHz Ant1

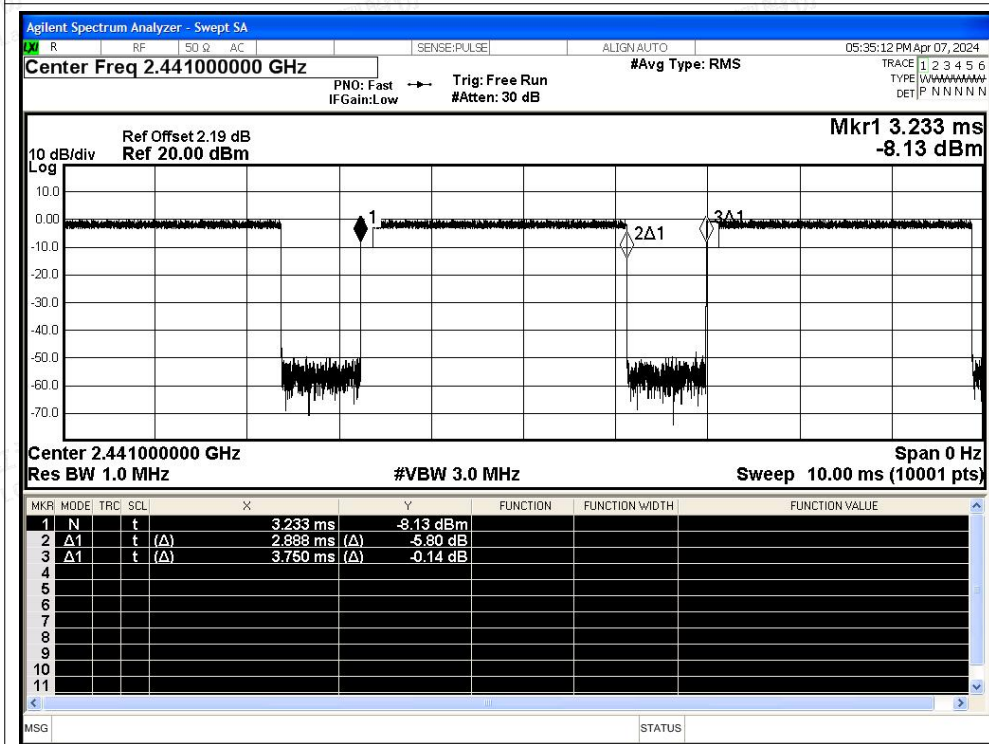


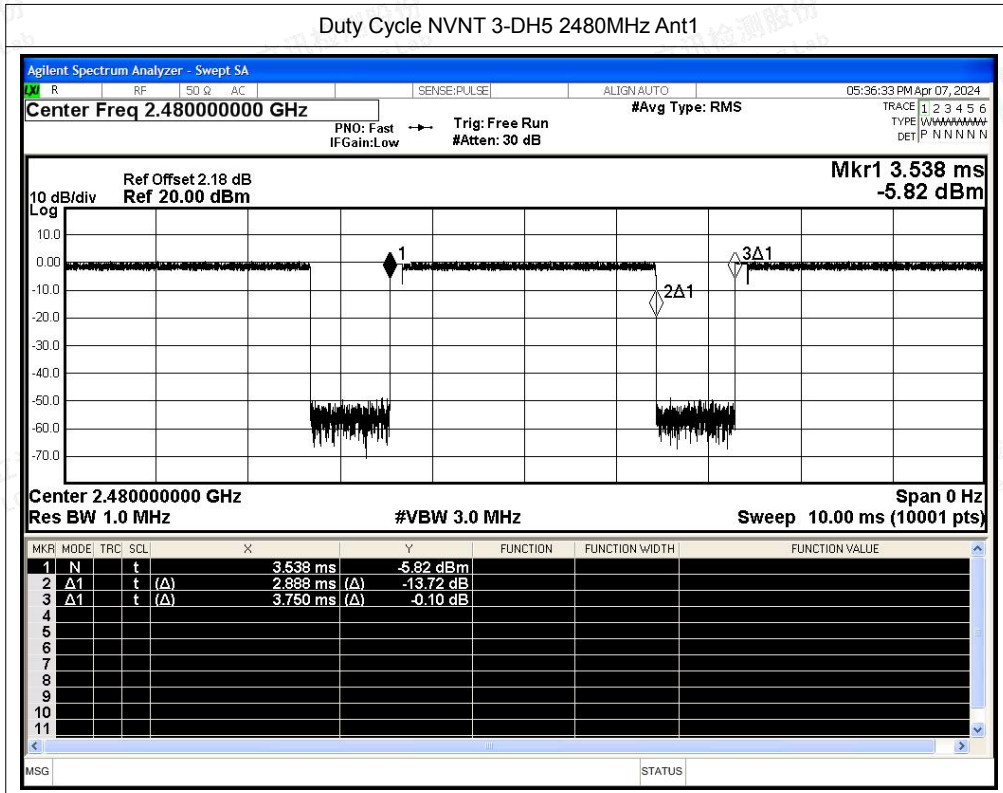


Duty Cycle NVNT 3-DH5 2402MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1







A.9 Restrict Band

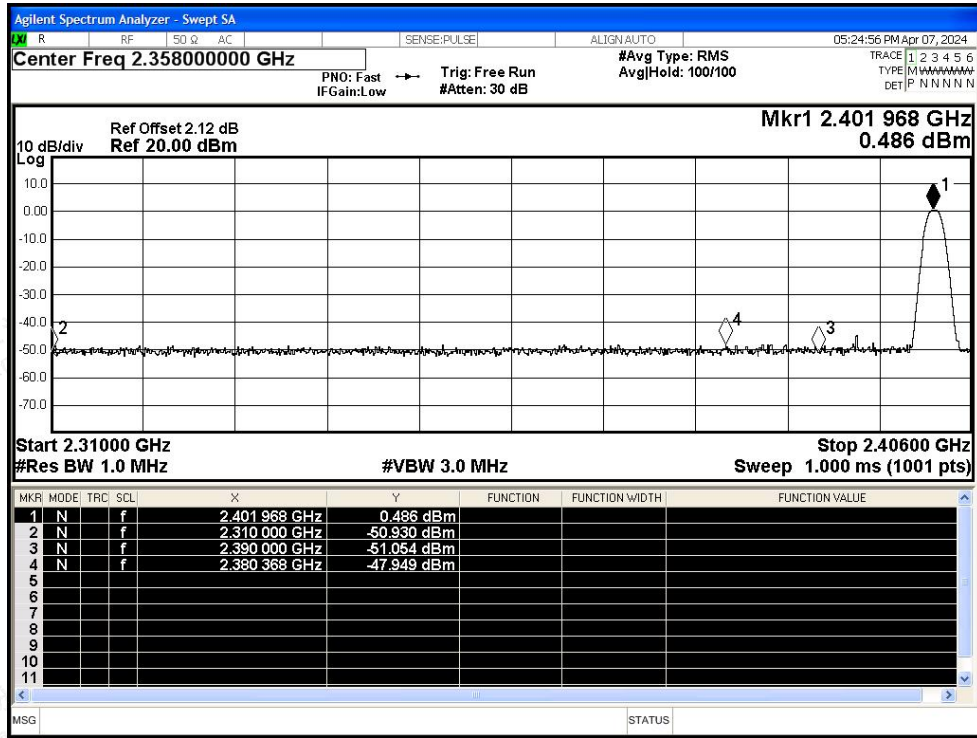
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-50.93	2	-	46.33	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.81	2	1.14	39.59	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2380.368	-47.95	2	-	49.31	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2374.32	-57.68	2	1.14	40.72	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.05	2	-	46.21	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-57.77	2	1.14	40.63	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.36	2	-	46.9	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.58	2	1.14	40.82	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2485.6	-40.51	2	-	56.75	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.92	-55.71	2	1.14	42.69	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.48	2	-	46.78	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.64	2	1.14	40.76	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.2	2	-	47.06	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.48	2	1.14	39.92	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2381.232	-47.02	2	-	50.24	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.856	-57.75	2	1.14	40.65	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.73	2	-	47.53	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.44	2	1.14	39.96	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.51	2	-	48.75	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.21	2	1.13	41.18	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2485.528	-38.02	2	-	59.24	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2486.056	-56.41	2	1.13	41.98	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.85	2	-	47.41	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.12	2	1.13	40.27	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.92	2	-	46.34	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.74	2	1.13	39.65	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2360.976	-47.02	2	-	50.24	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2384.112	-57.58	2	1.13	40.81	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.17	2	-	47.09	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-58.54	2	1.13	39.85	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-51.72	2	-	45.54	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-57.87	2	1.13	40.52	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2484.736	-36.51	2	-	60.75	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2485.336	-56.24	2	1.13	42.15	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.24	2	-	47.02	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.08	2	1.13	40.31	Average	54	Pass



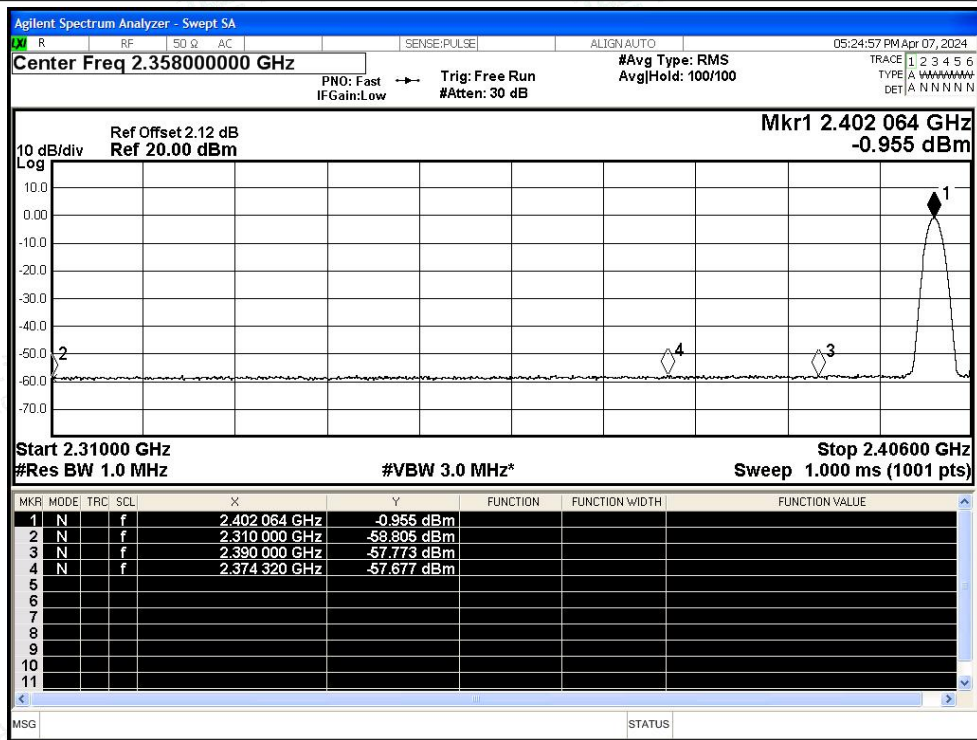


Test Graphs

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

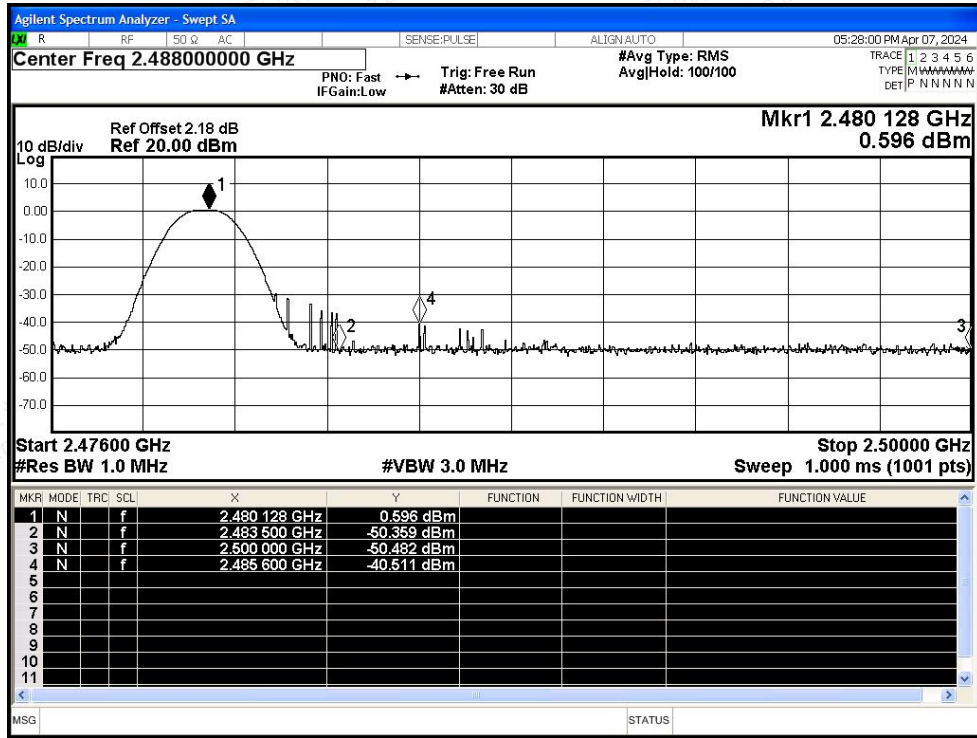


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

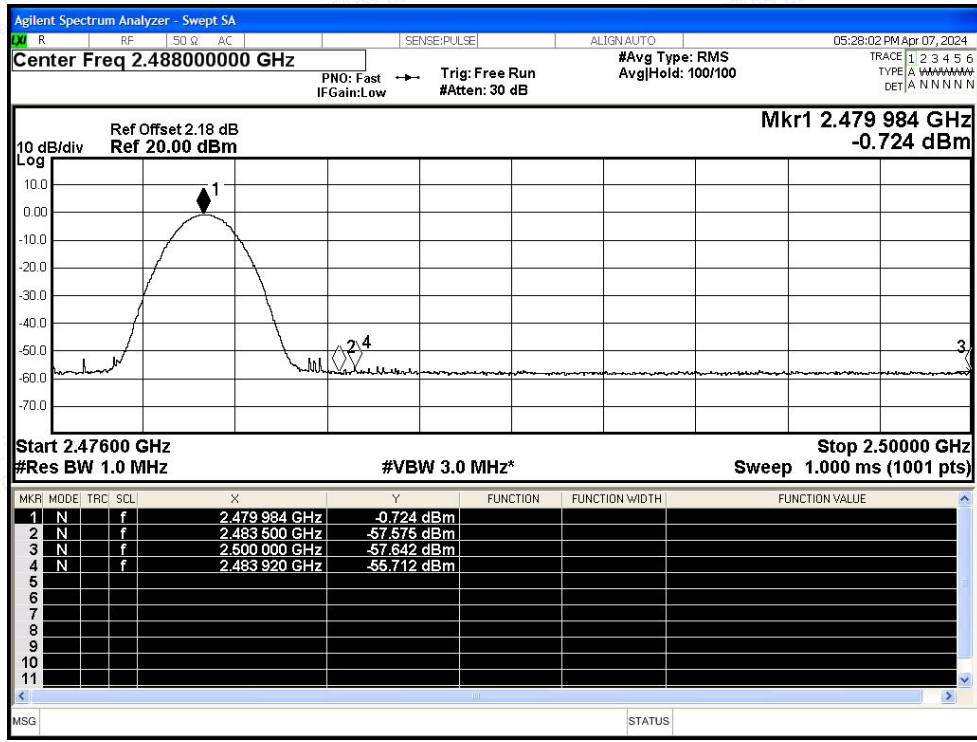




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

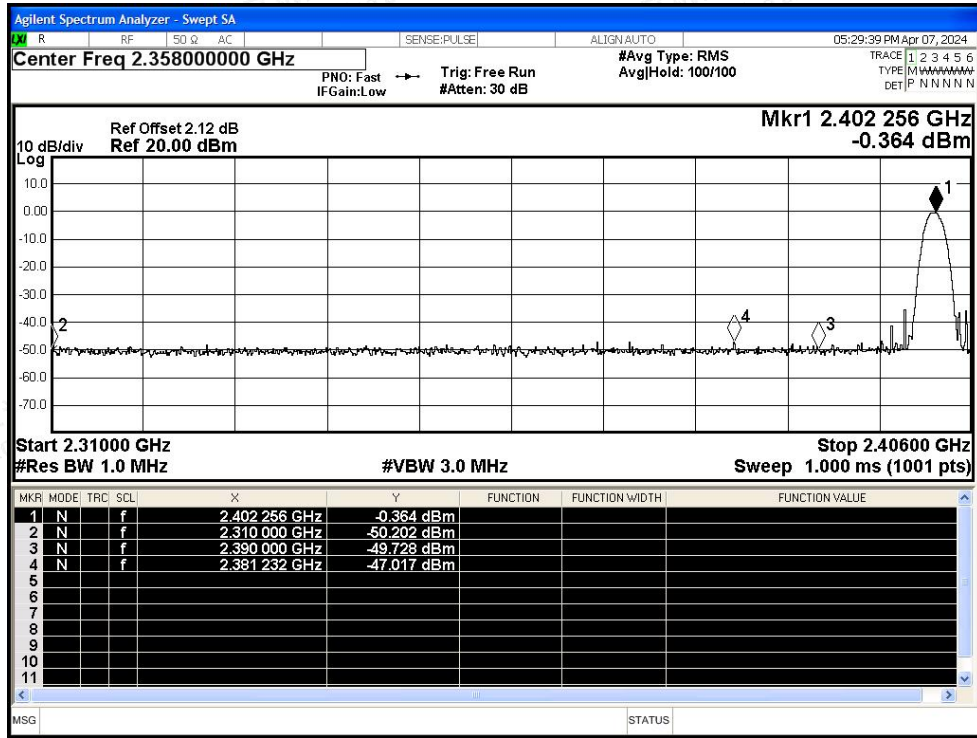


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

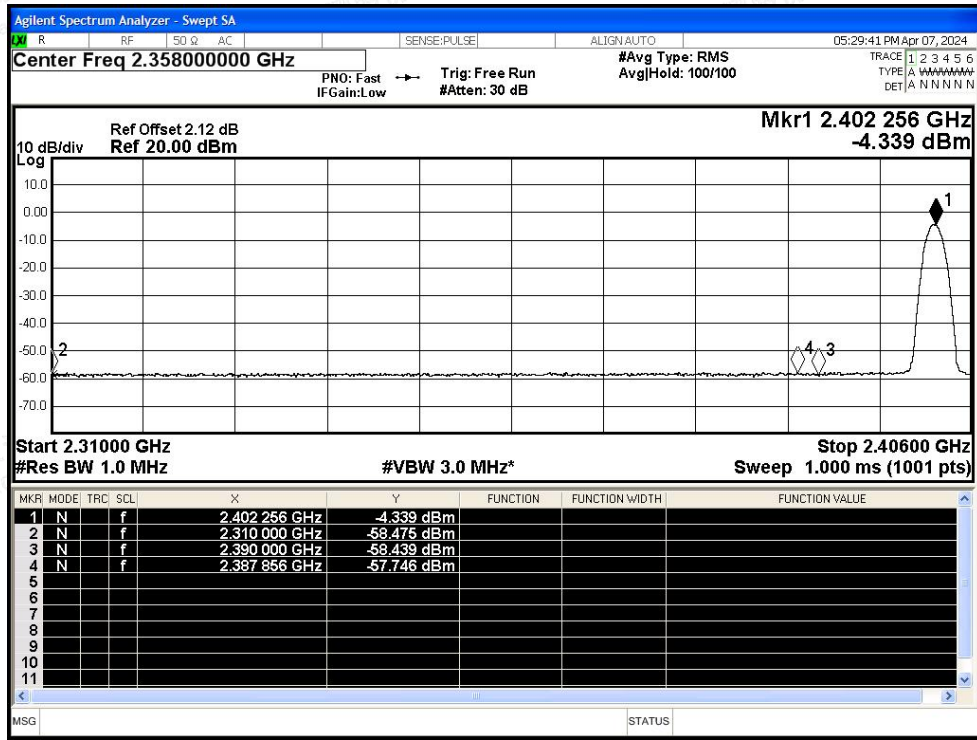




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

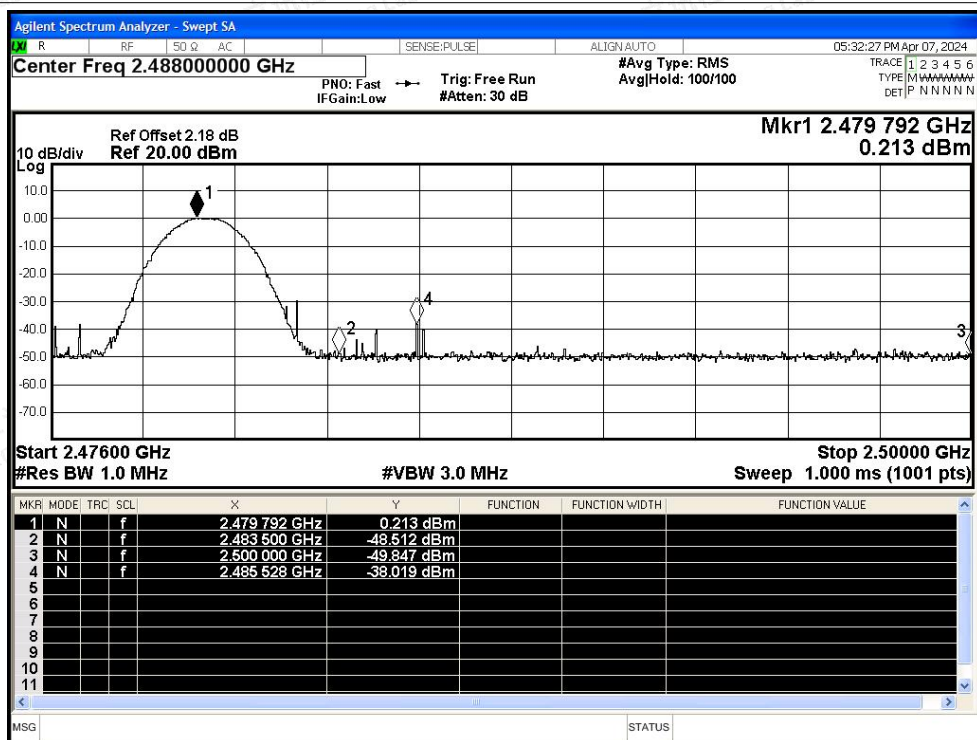


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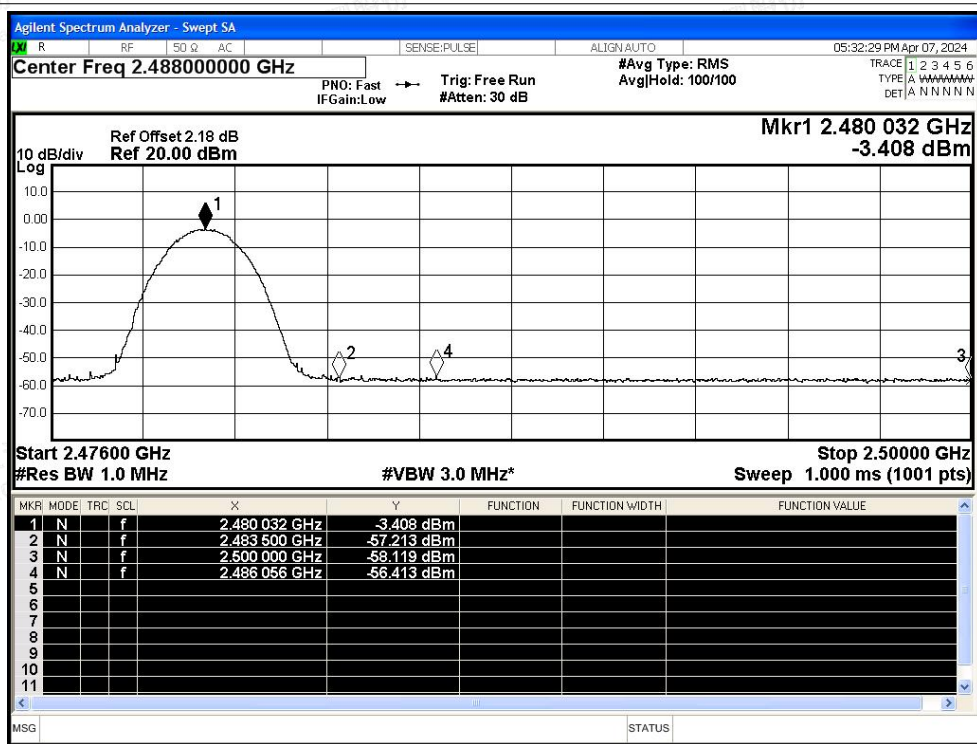




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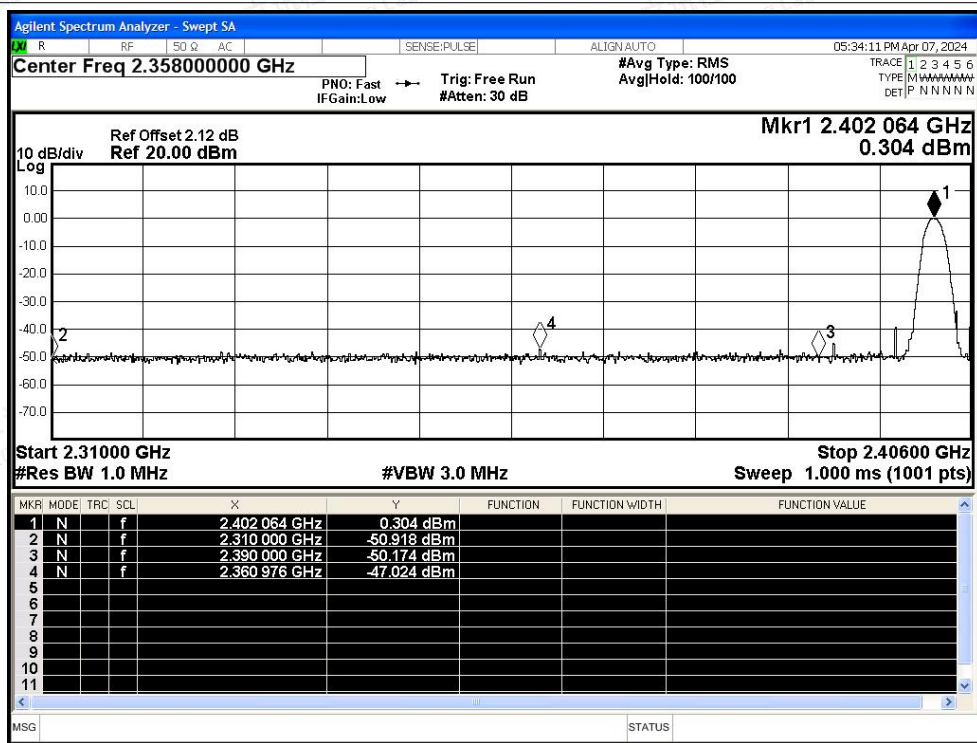


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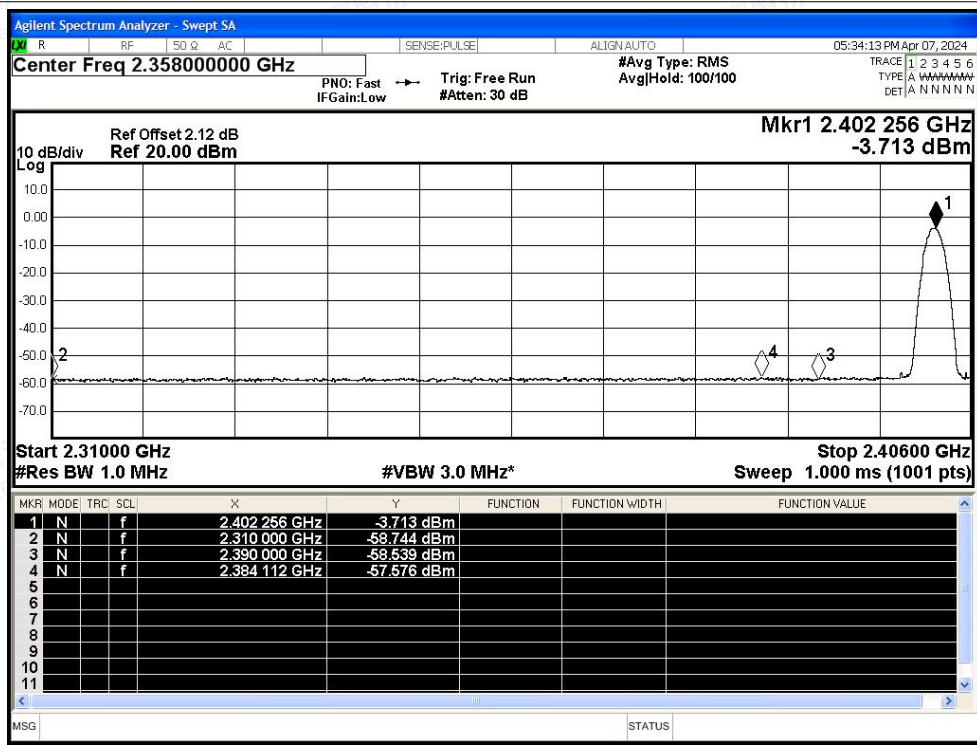




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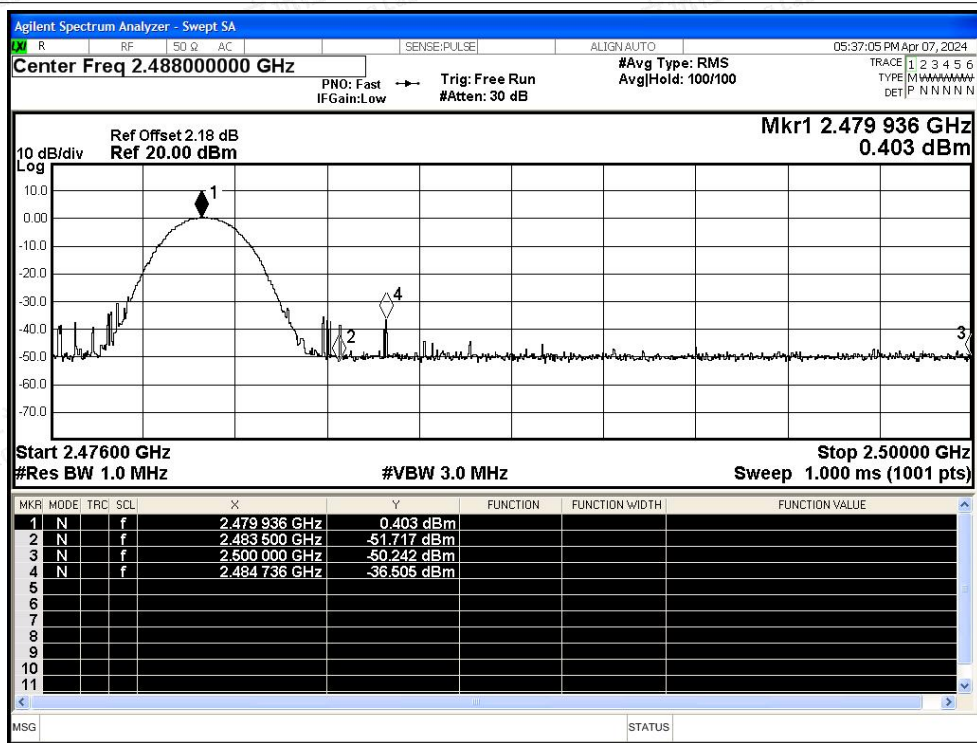


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

