



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Microphone Stand

Test Model: T20S

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
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	0.96	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.028	N/A	Pass
NVNT	1-DH5	2480	Ant1	1.022	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.311	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.302	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.306	N/A	Pass

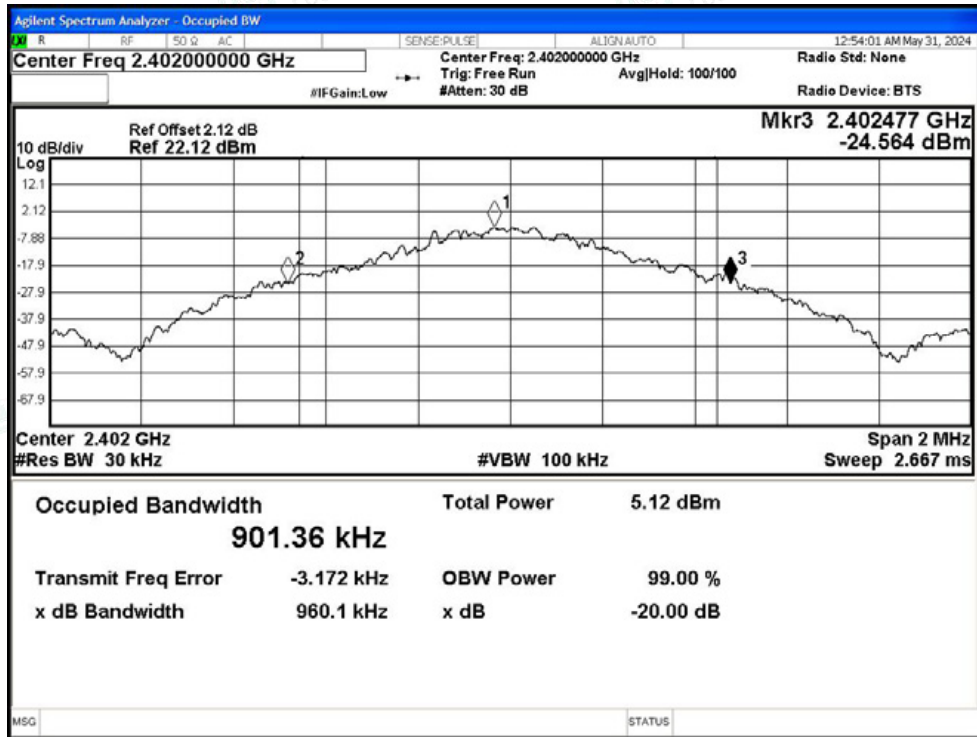


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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

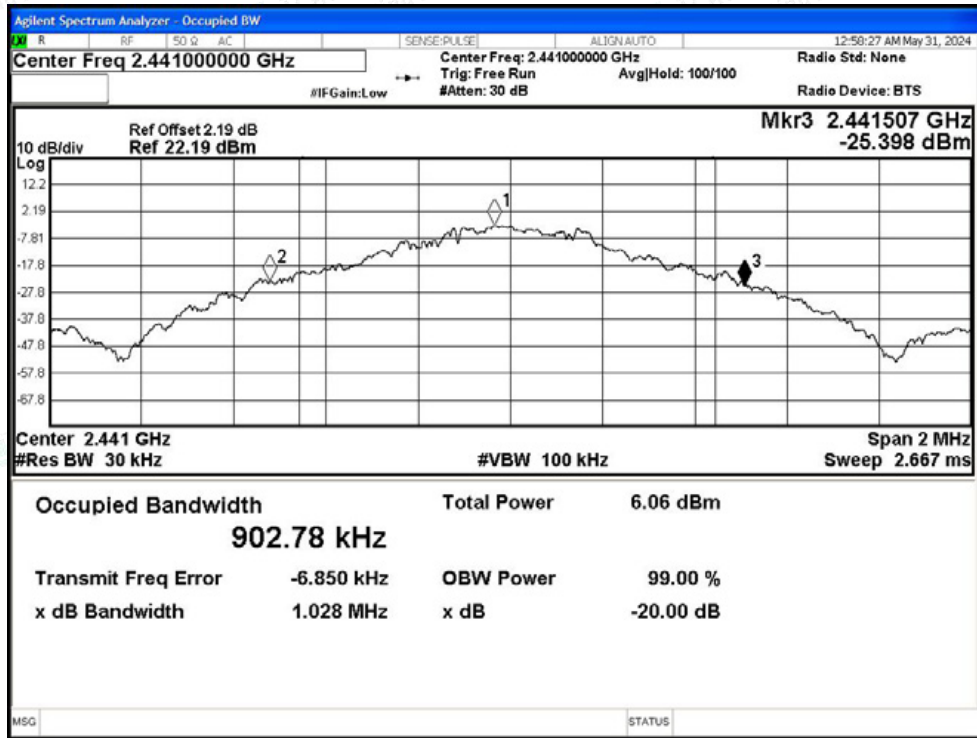


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

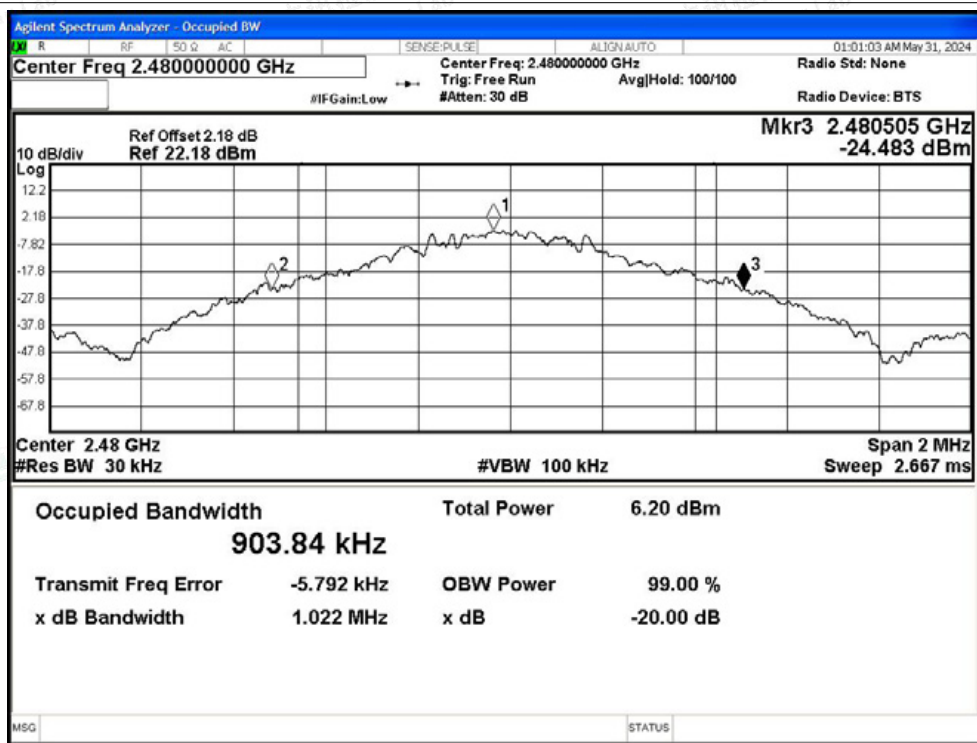


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

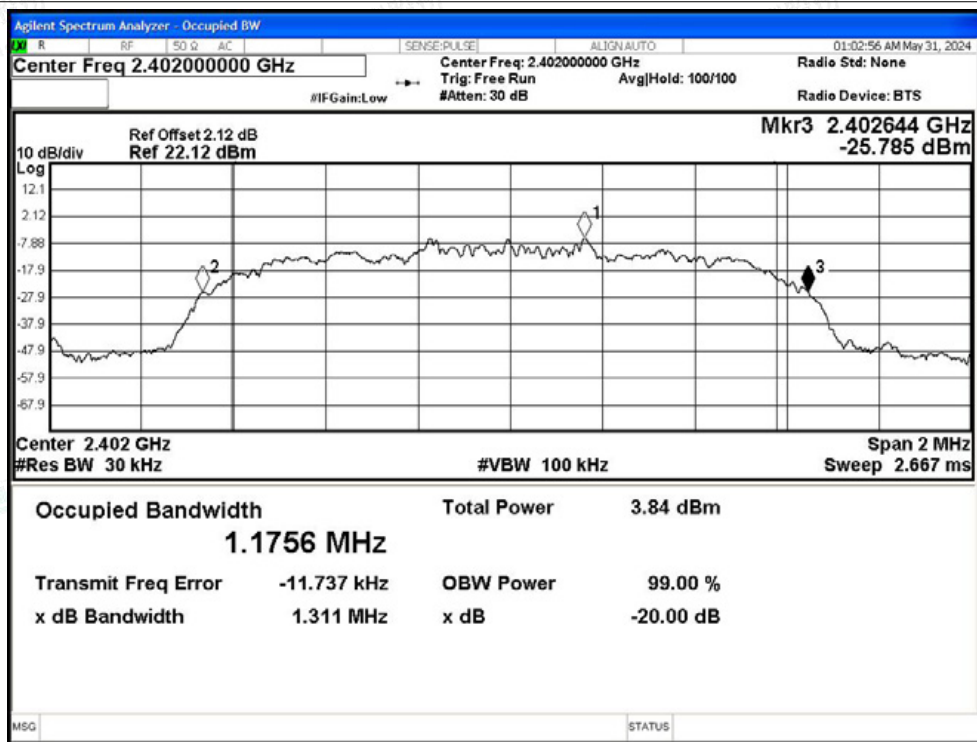




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

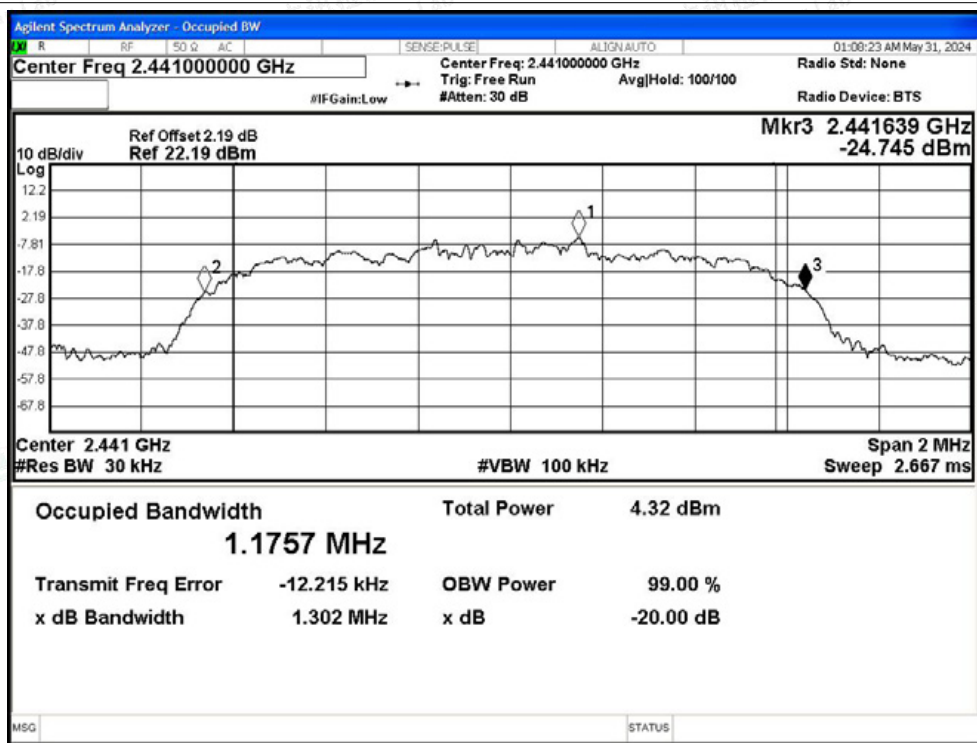


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

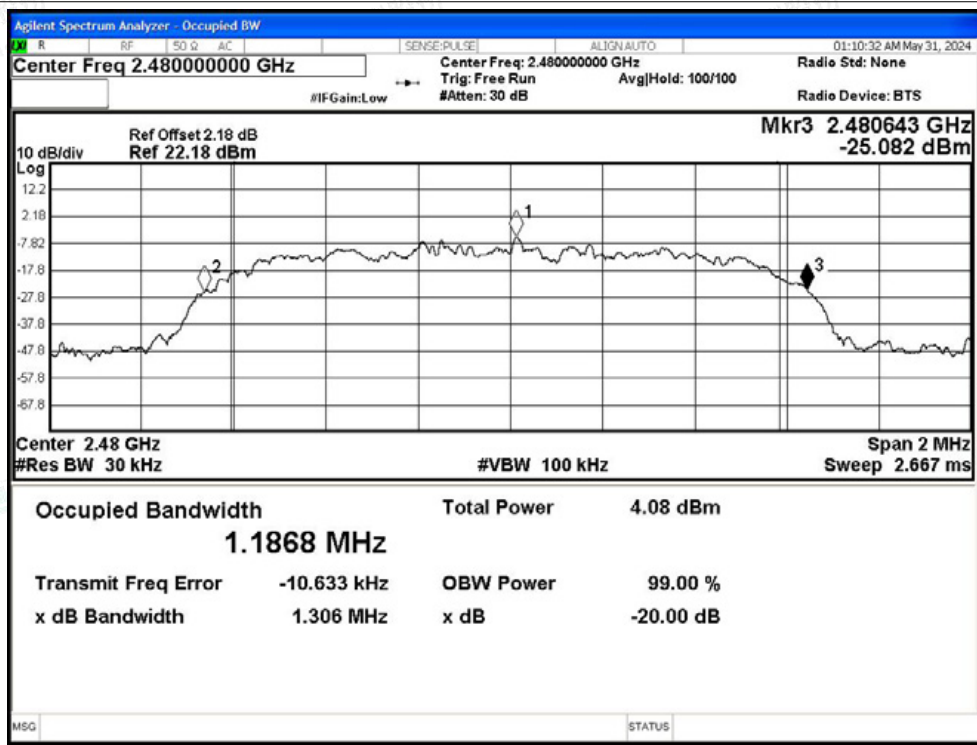




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

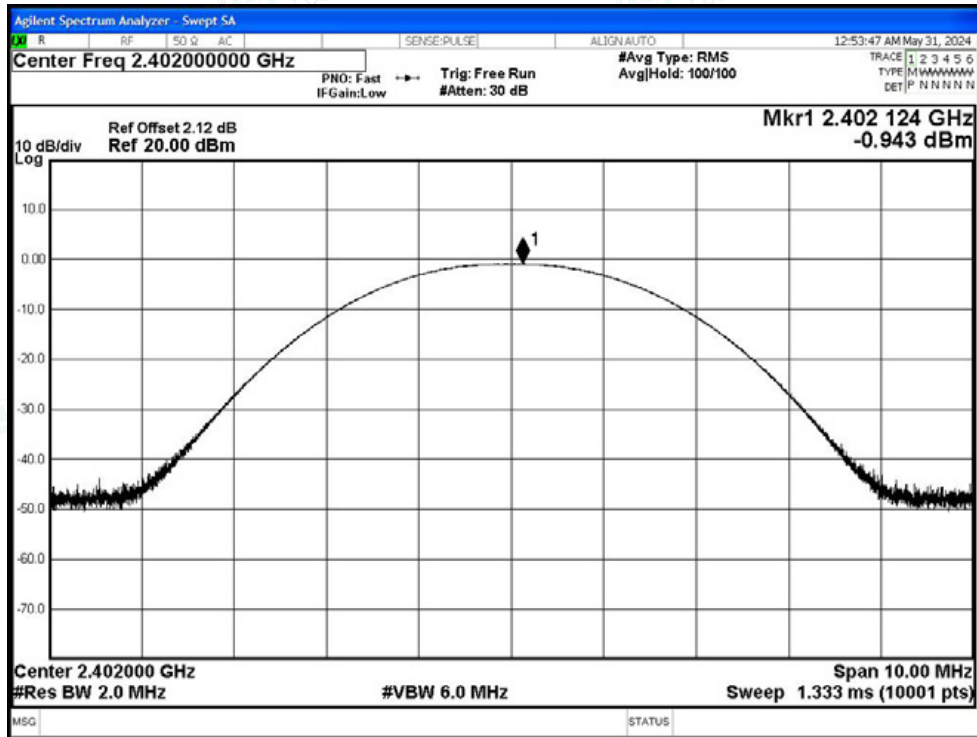
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.94	21	Pass
NVNT	1-DH5	2441	Ant1	-0.02	21	Pass
NVNT	1-DH5	2480	Ant1	0.25	21	Pass
NVNT	2-DH5	2402	Ant1	-0.93	21	Pass
NVNT	2-DH5	2441	Ant1	-0.33	21	Pass
NVNT	2-DH5	2480	Ant1	-0.09	21	Pass



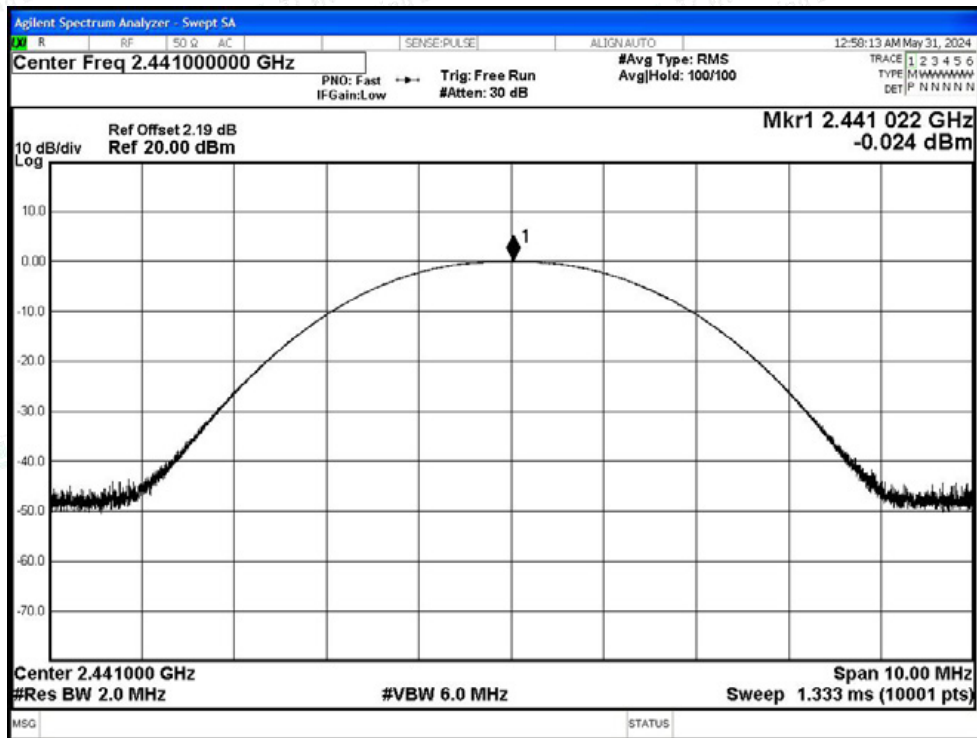


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

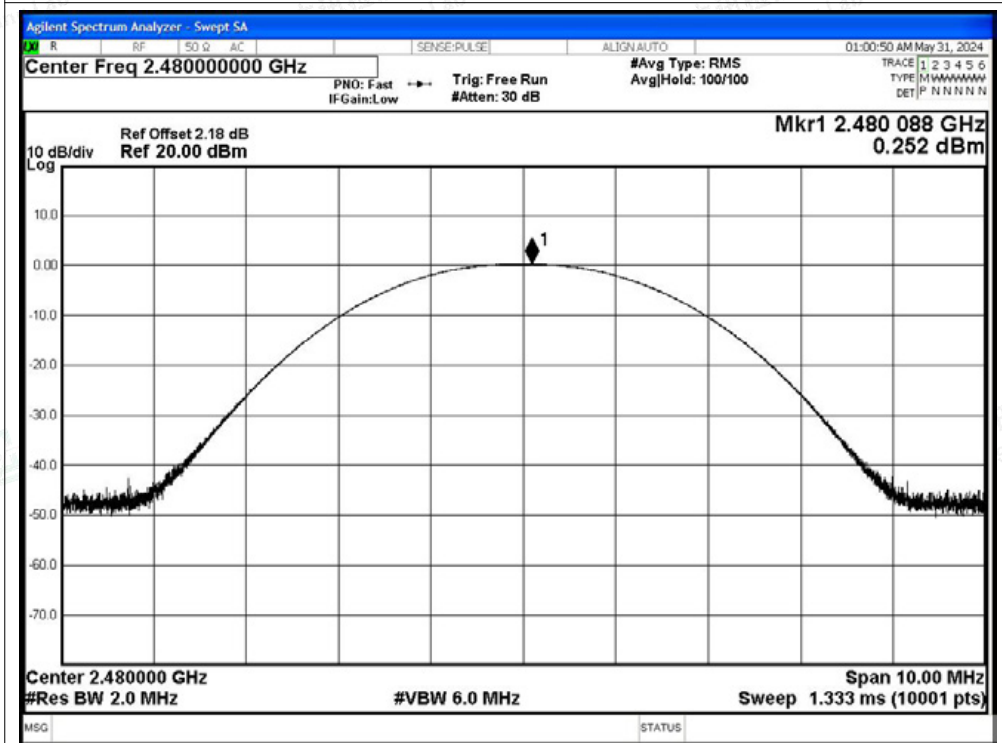


Power NVNT 1-DH5 2441MHz Ant1

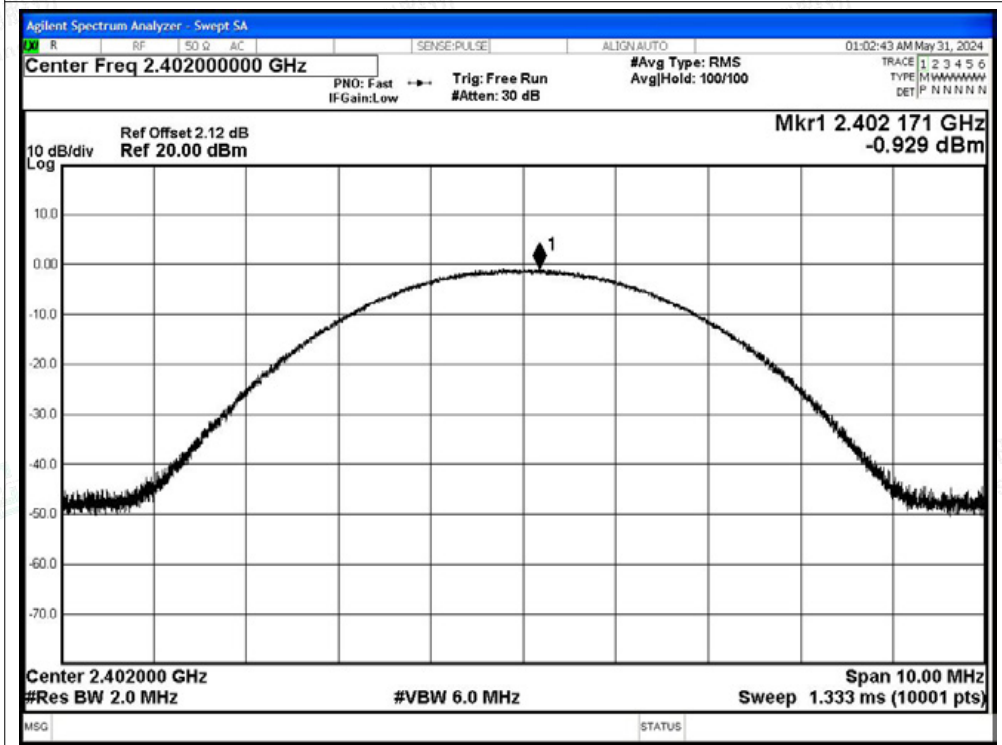




Power NVNT 1-DH5 2480MHz Ant1

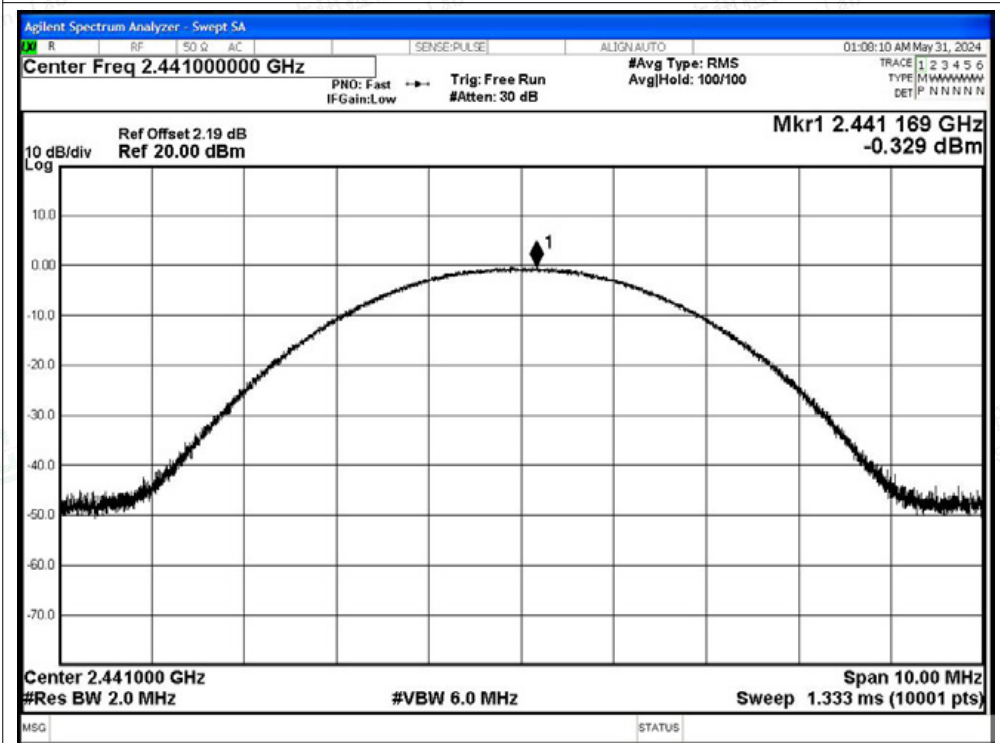


Power NVNT 2-DH5 2402MHz Ant1

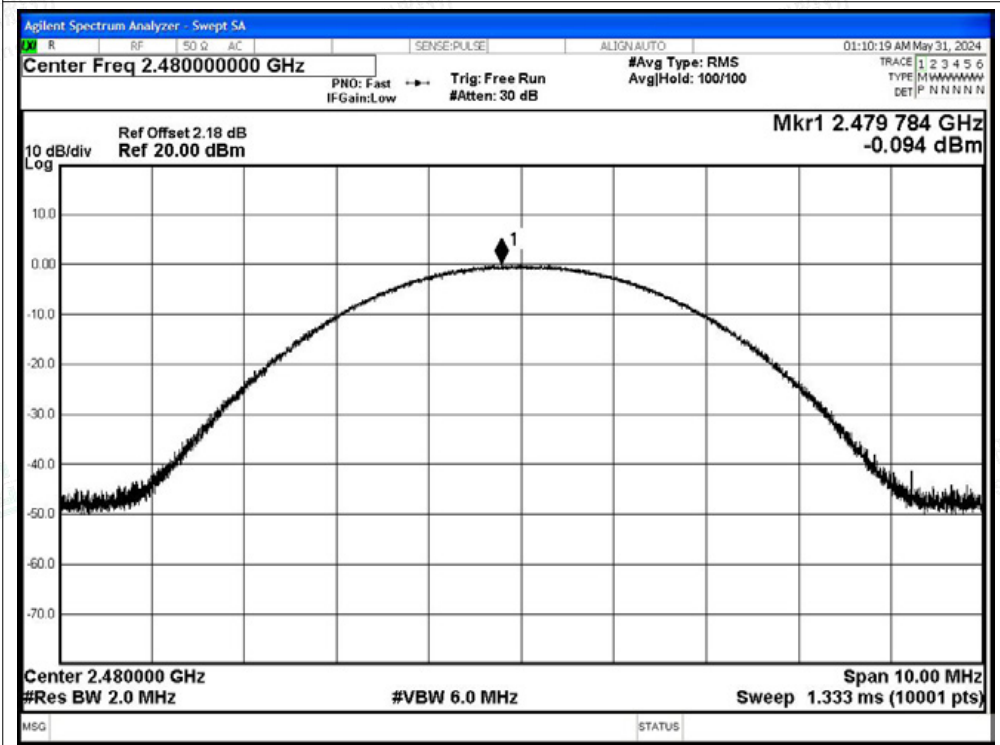




Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1





A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.004	2403.002	0.998	0.685	Pass
NVNT	2-DH5	Ant1	2402.144	2403.15	1.006	0.874	Pass

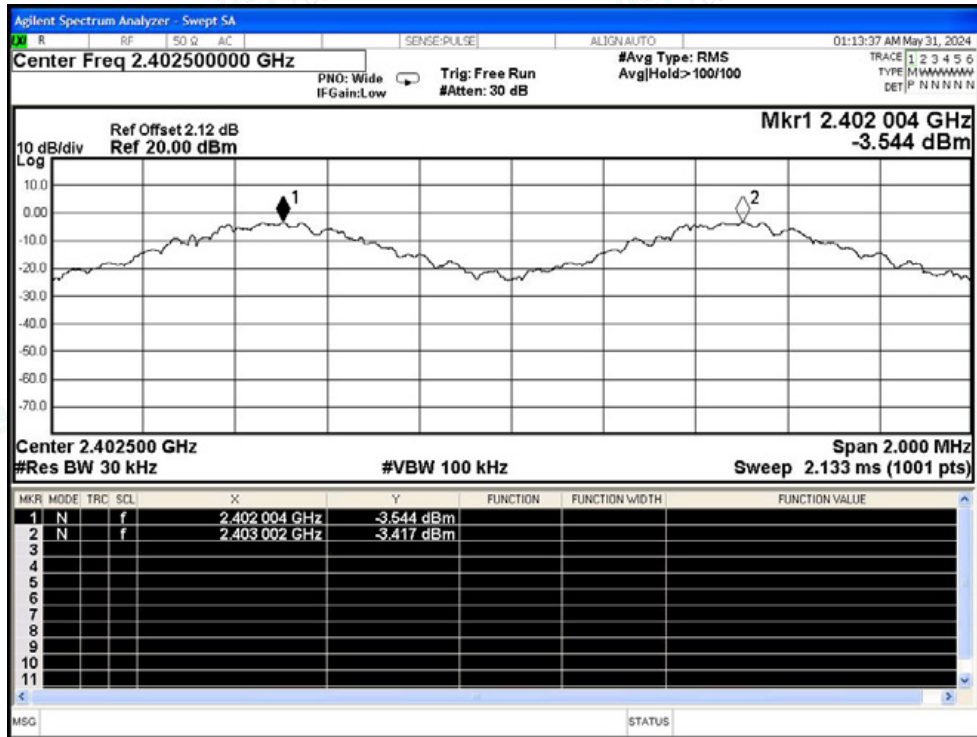


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Scan code to check authenticity

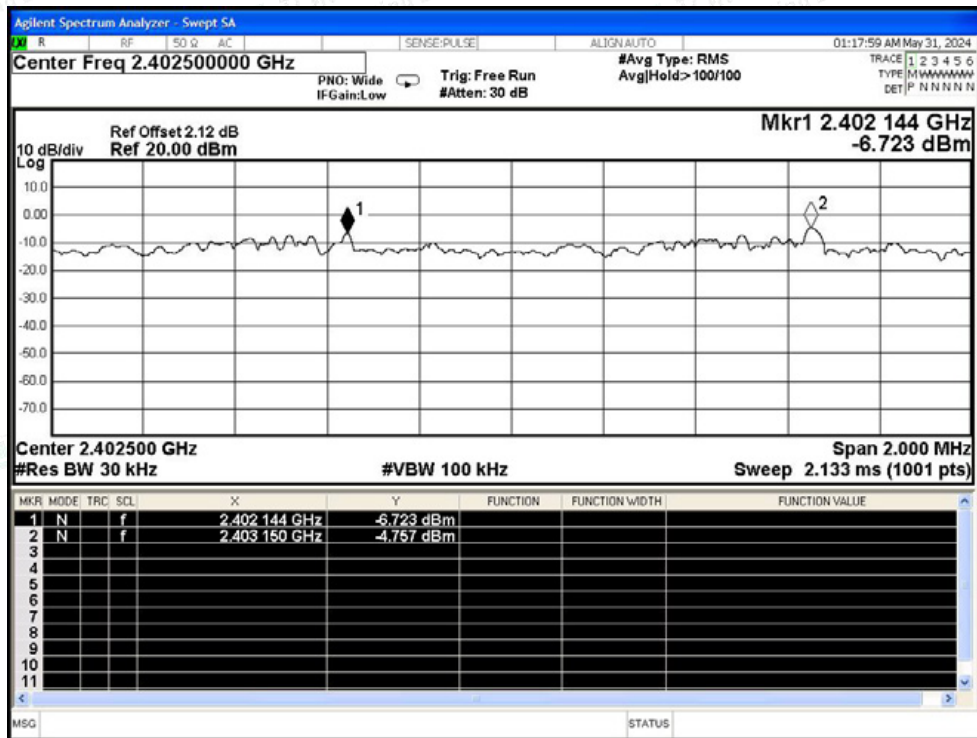


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1





A.4 Dwell Time

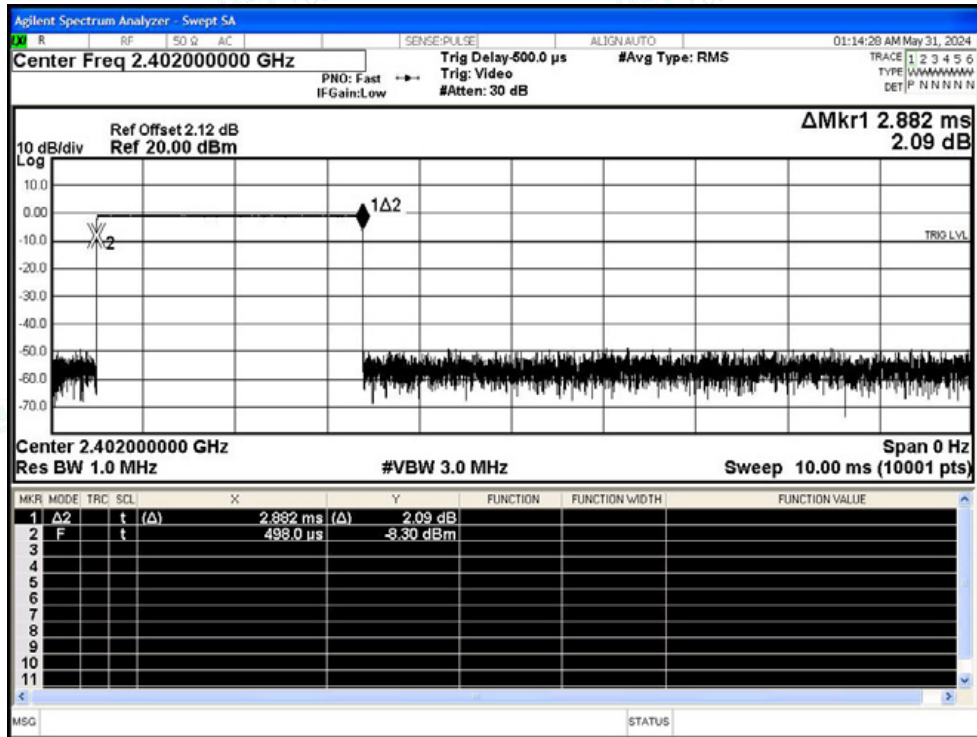
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	293.964	102	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	297.155	103	31600	400	Pass



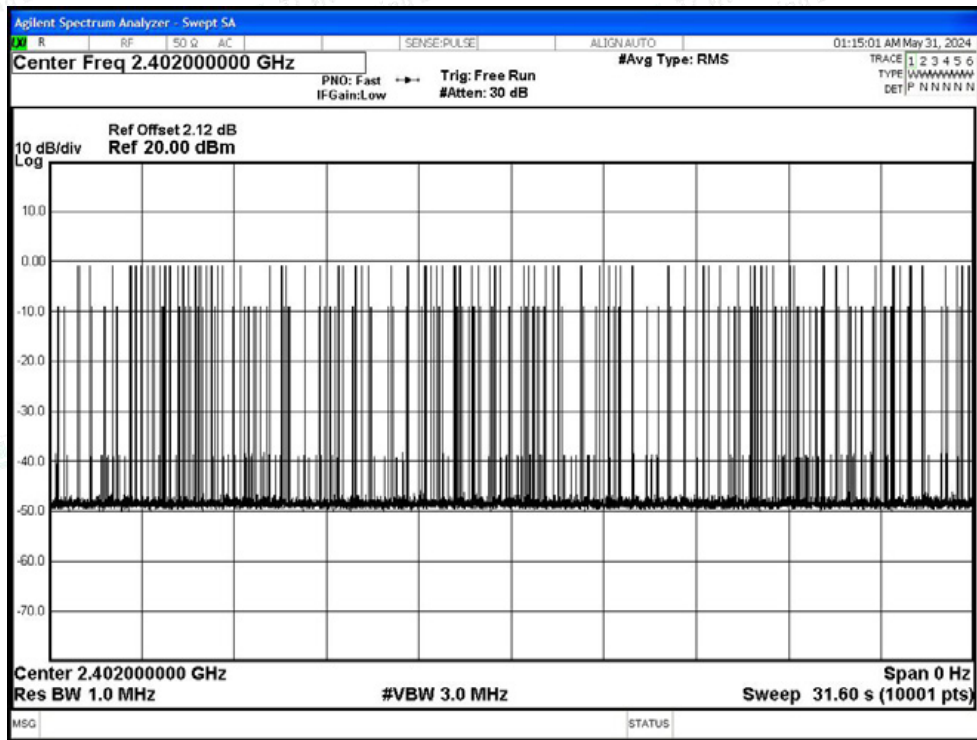


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

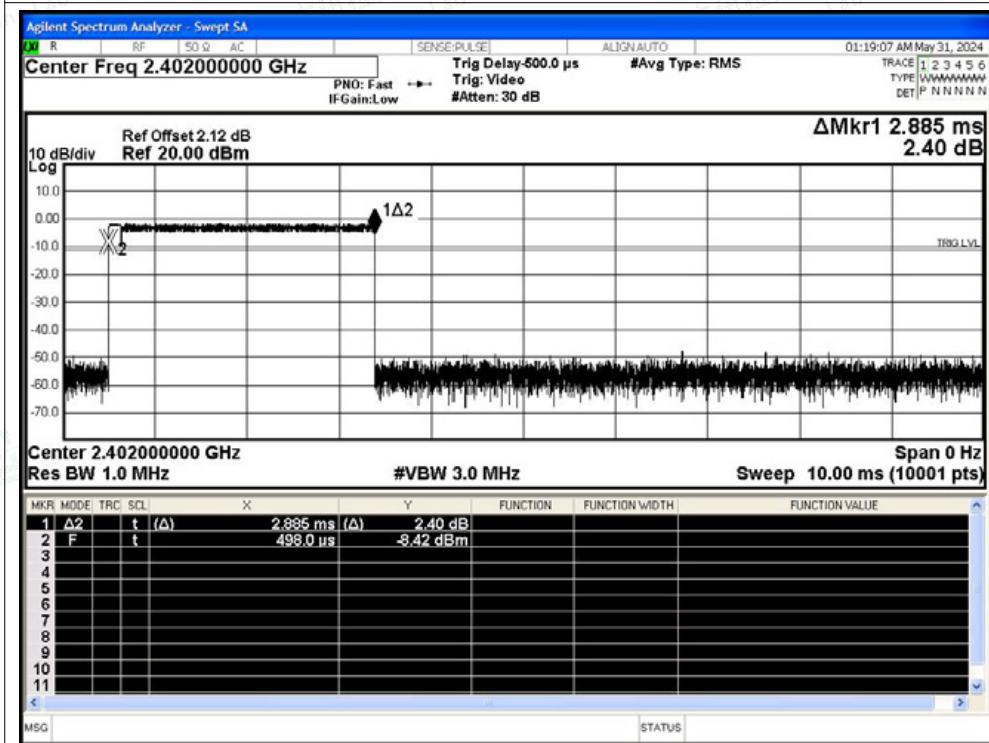


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

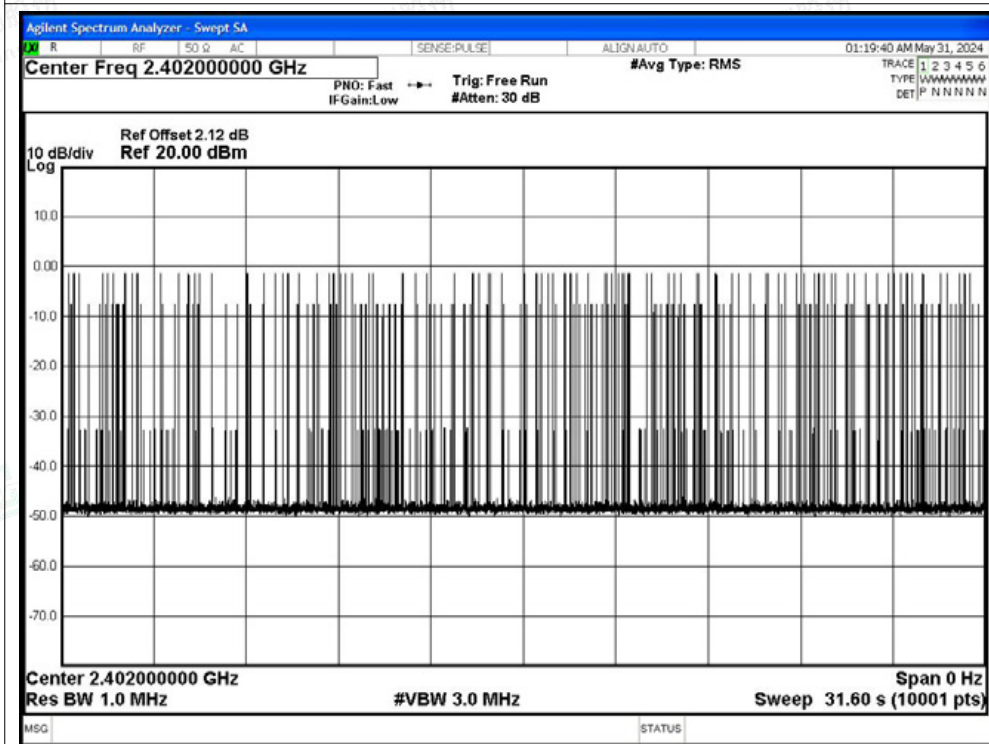




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

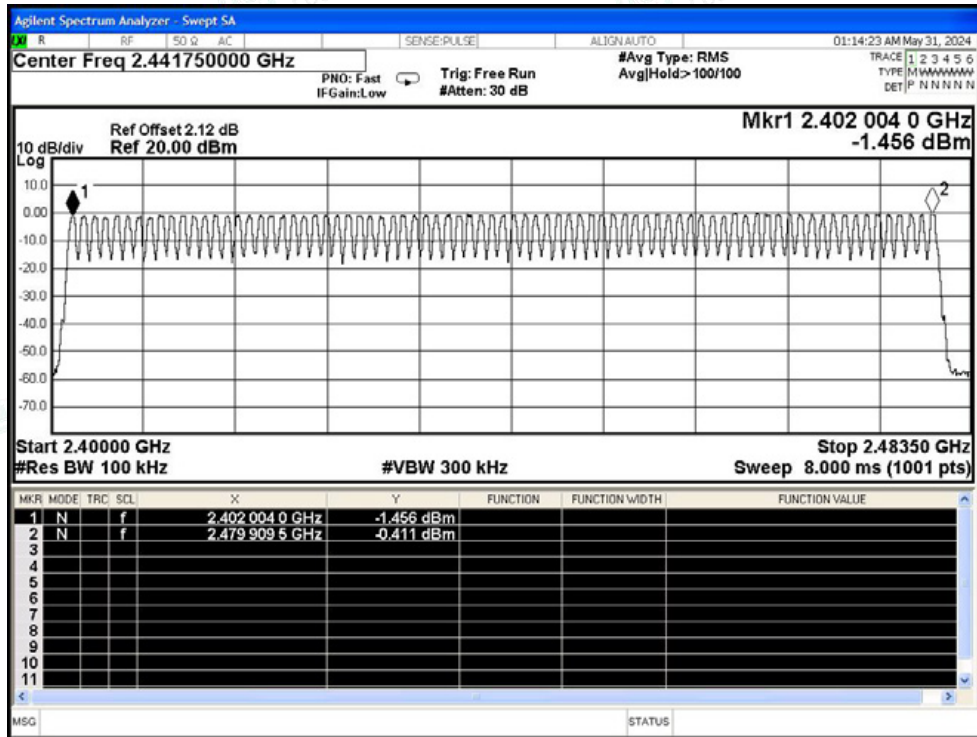
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass



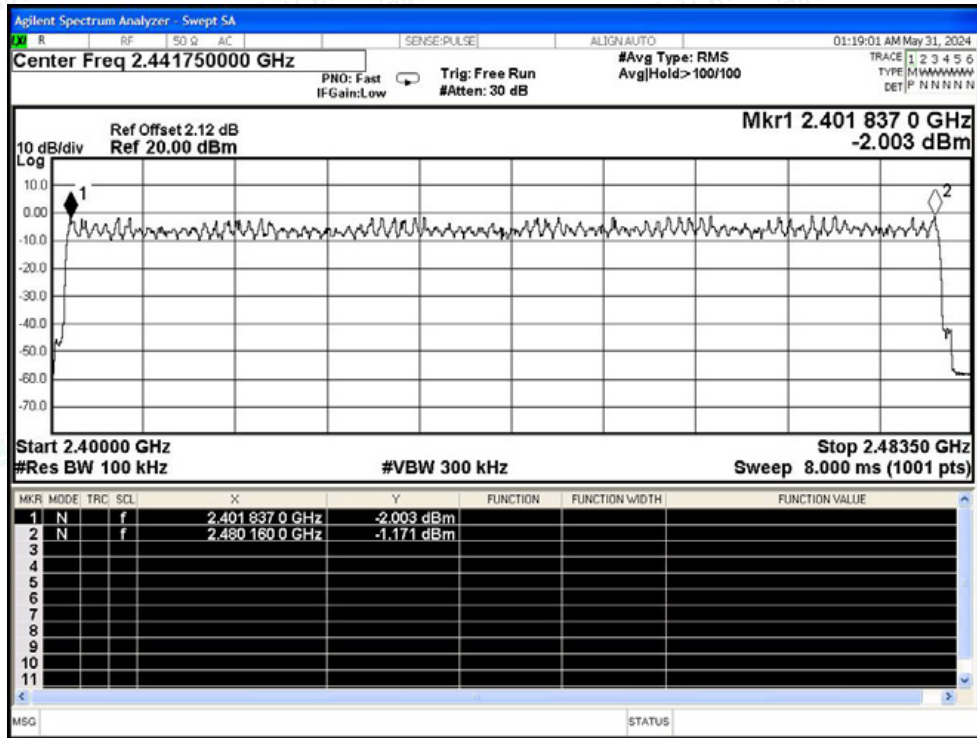


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





A.6 Band Edge

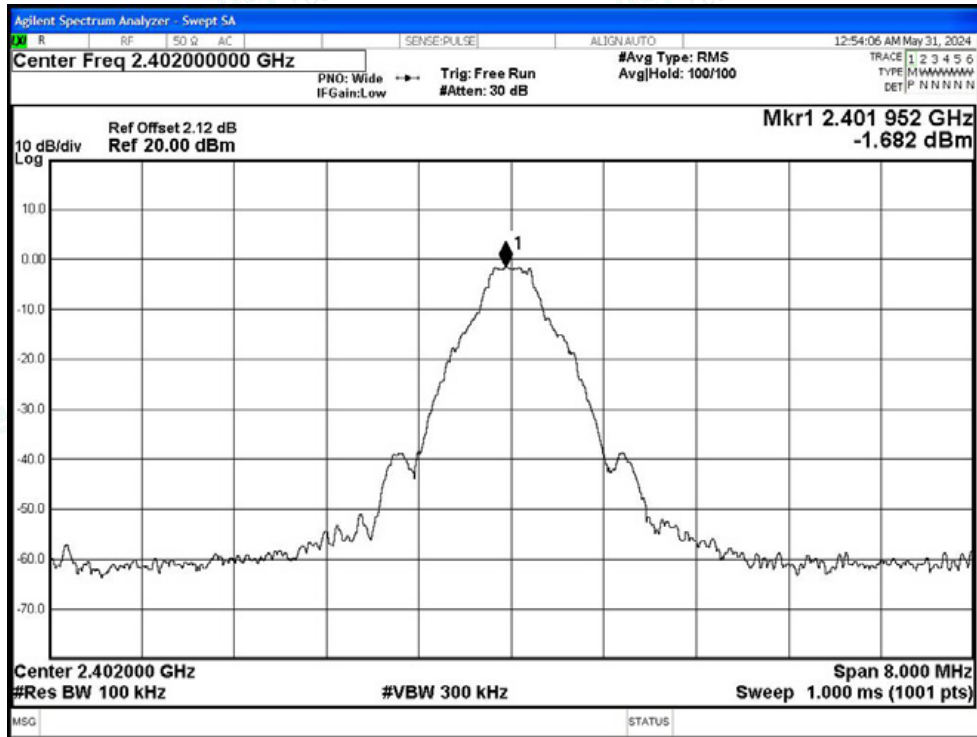
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.89	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.69	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-52.31	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.77	-20	Pass



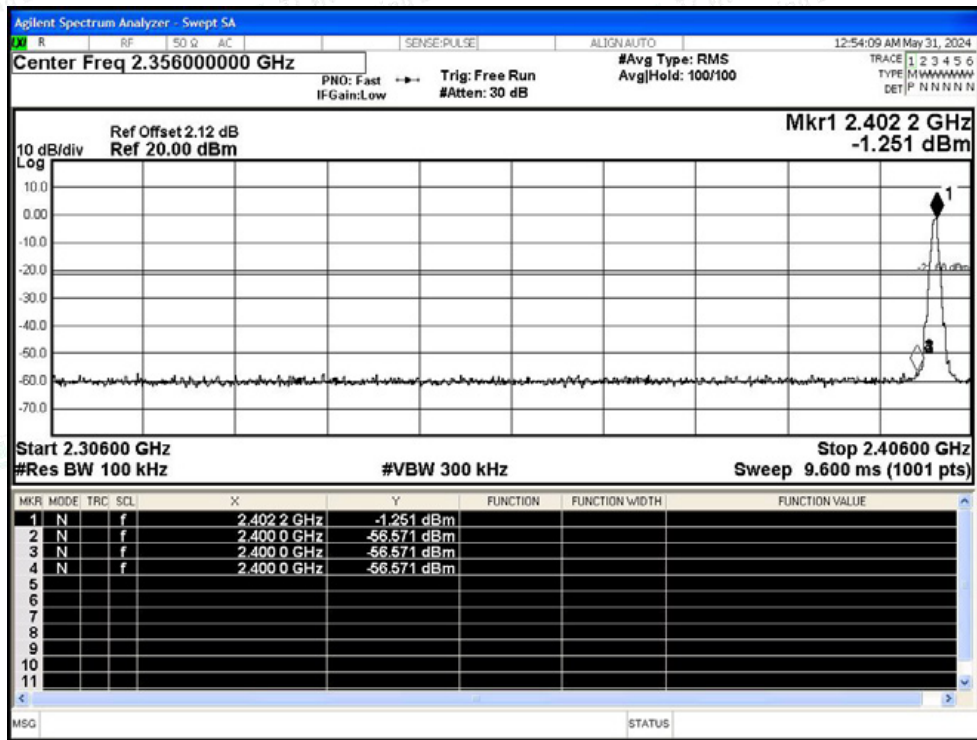


Test Graphs

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

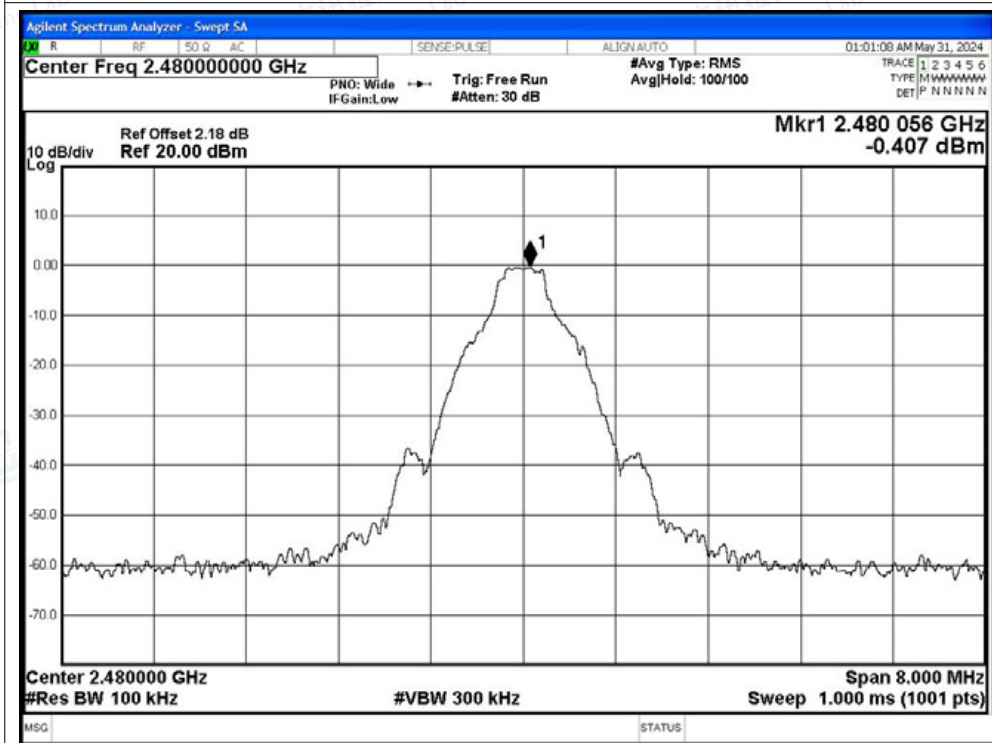


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

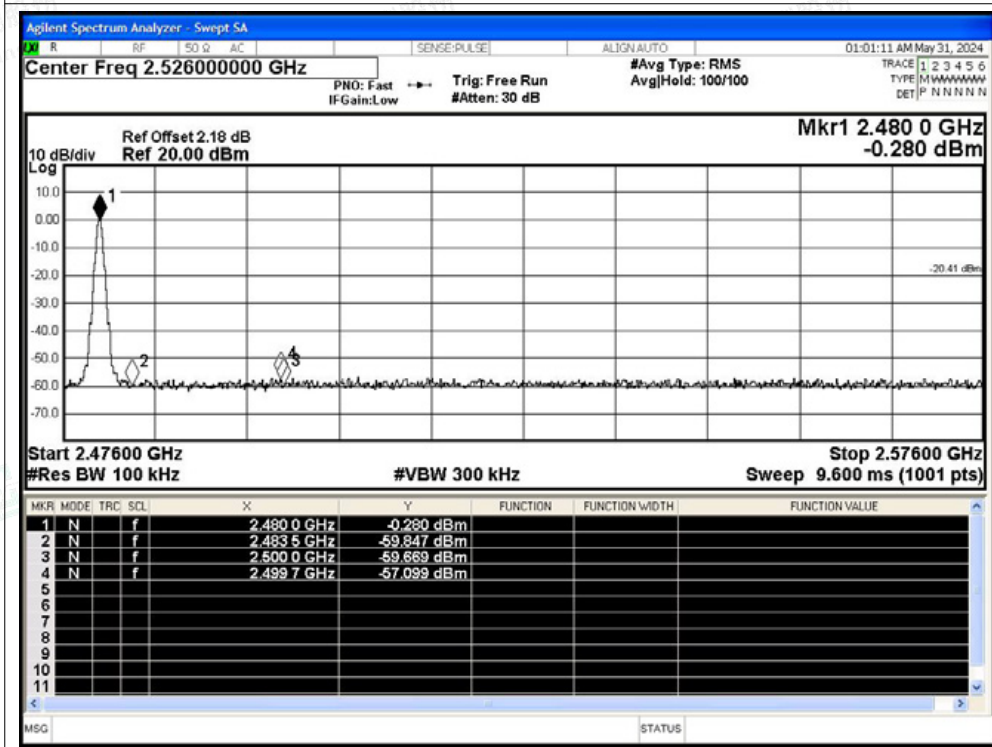




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

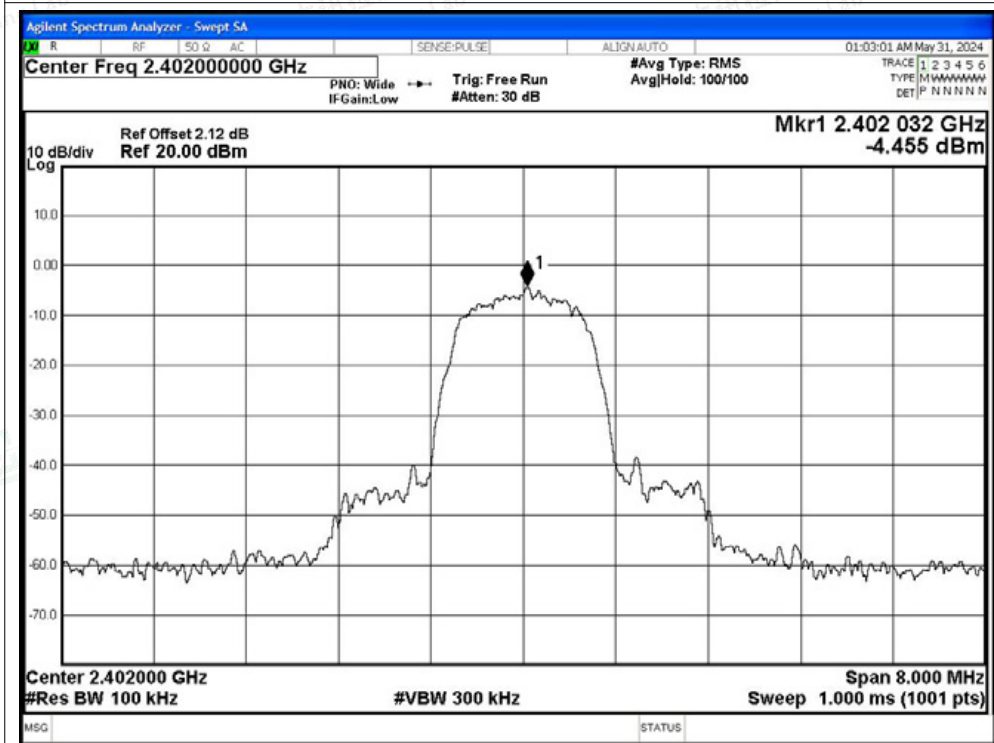


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

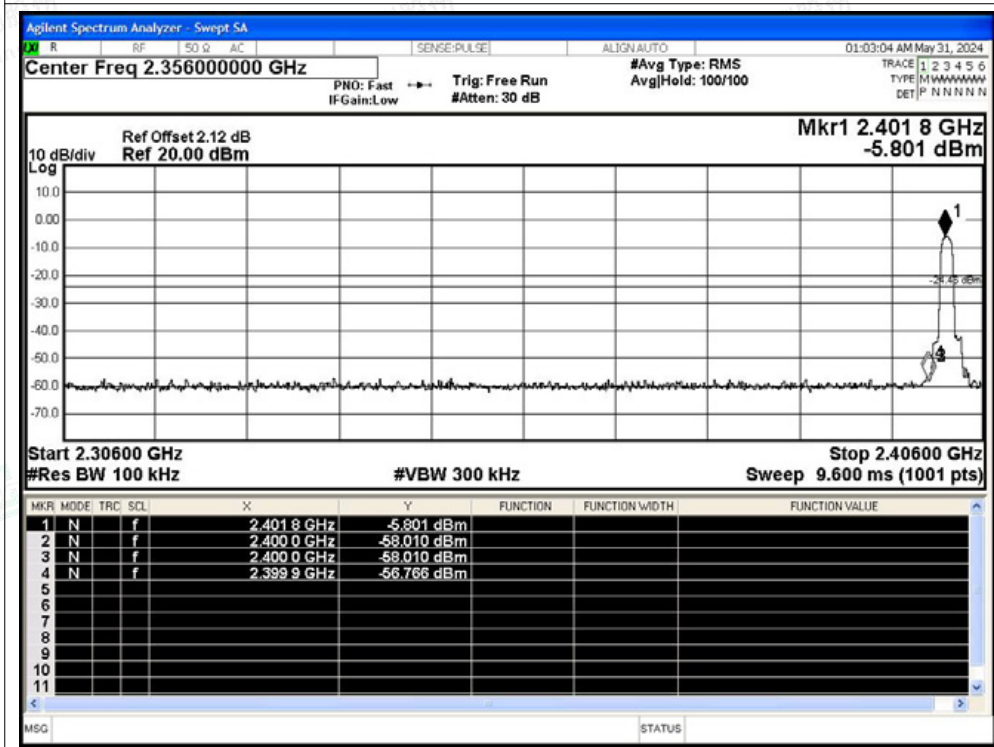




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

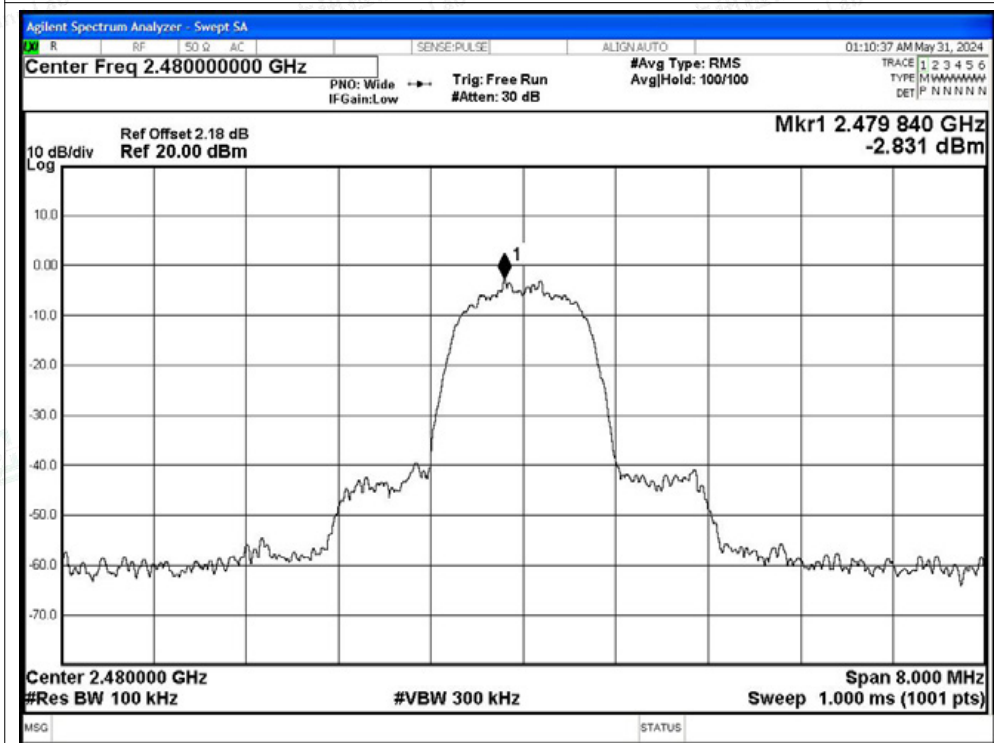


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

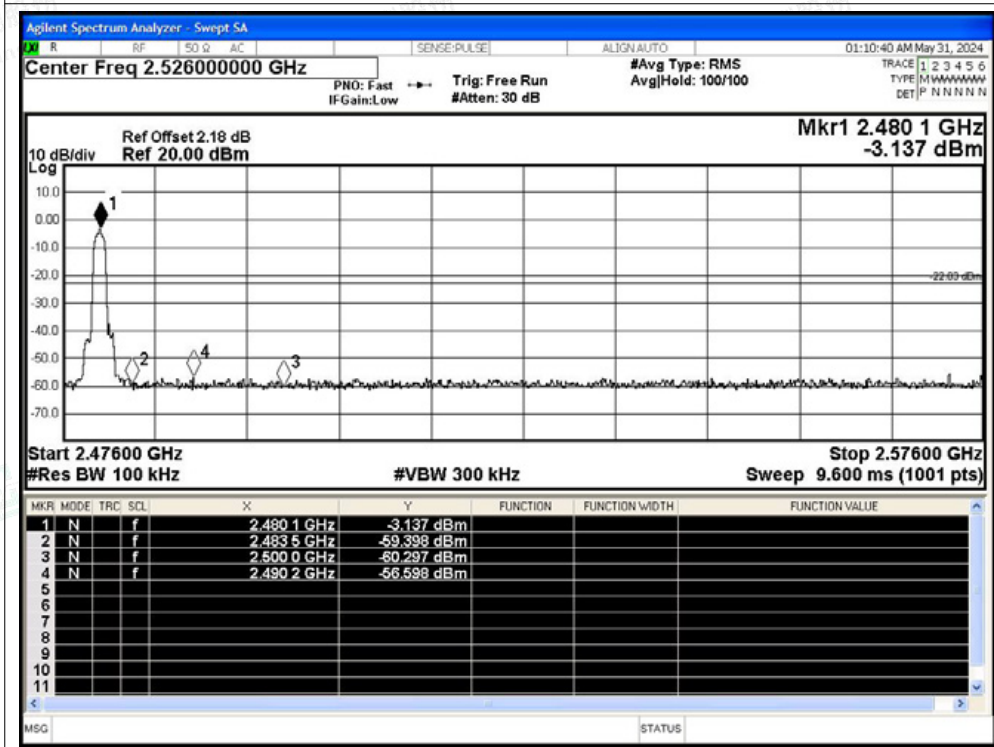




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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





(Hopping)

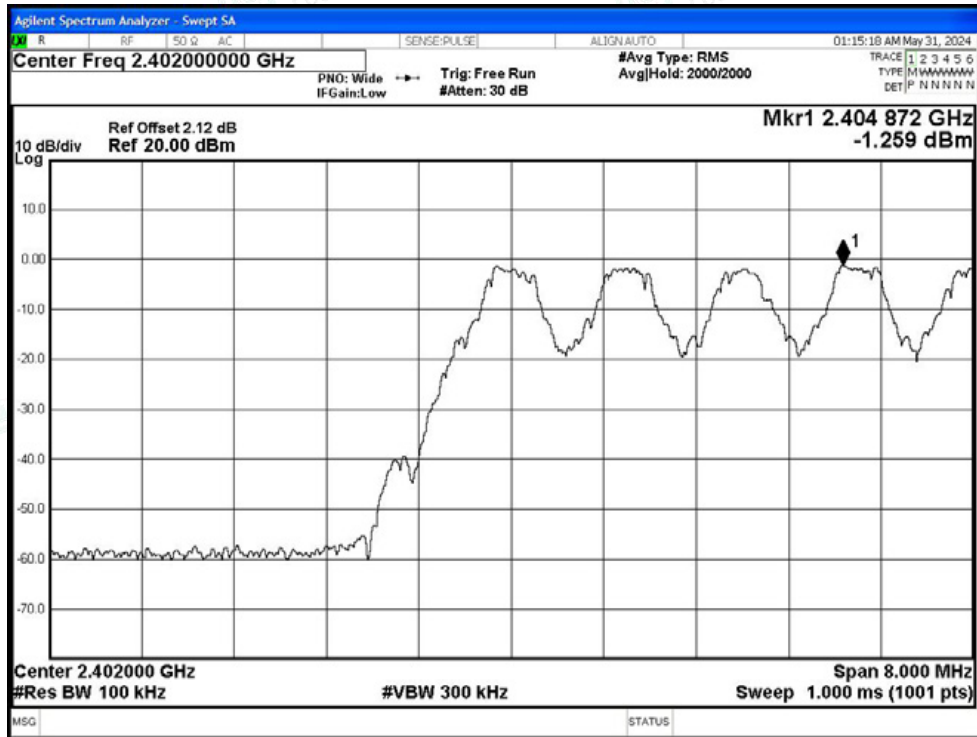
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.18	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-55.62	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.46	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.01	-20	Pass



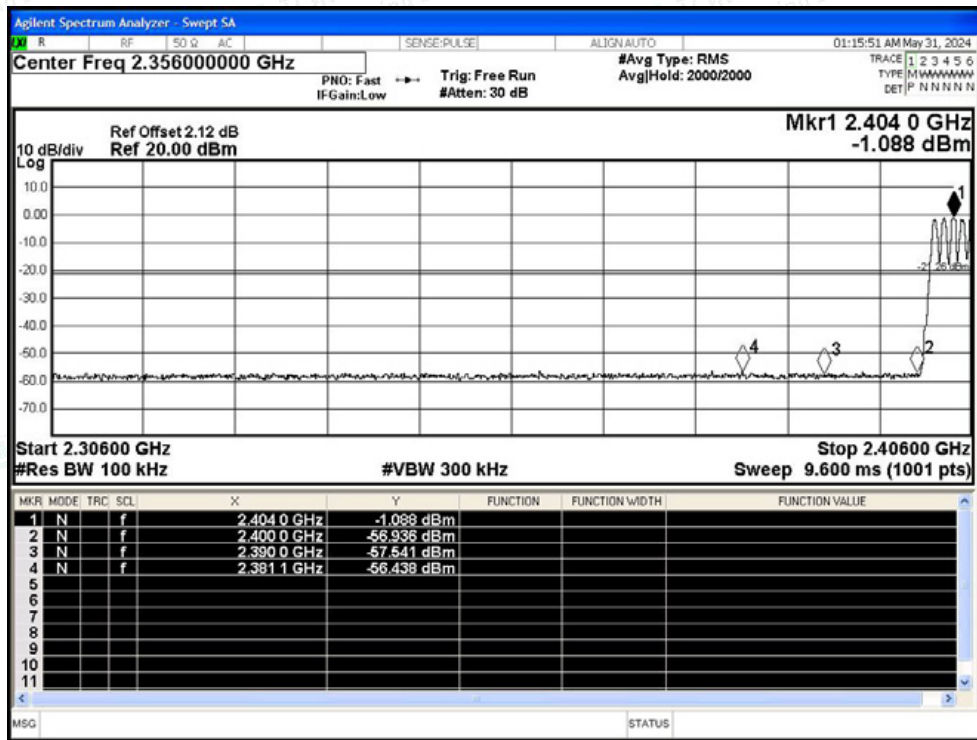


Test Graphs

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

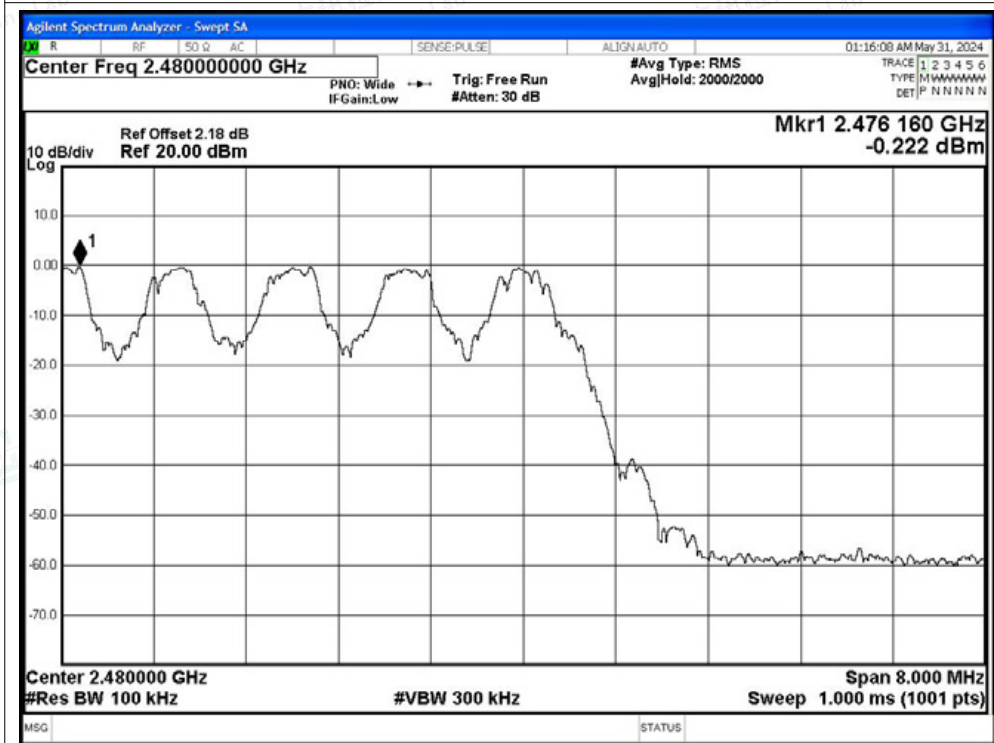


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

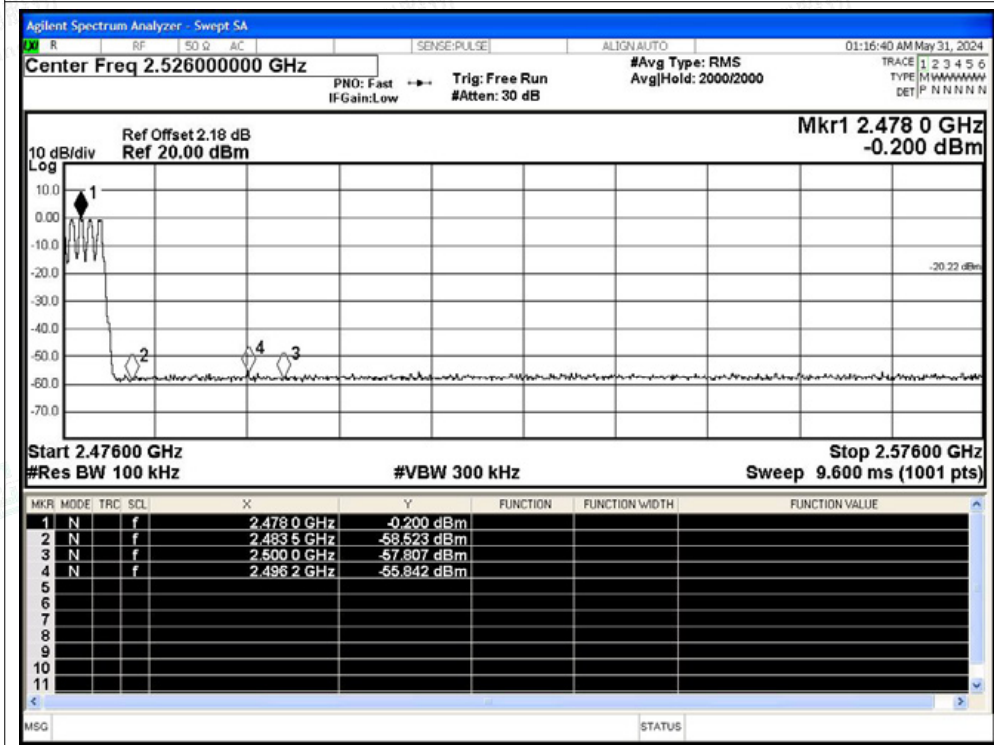




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

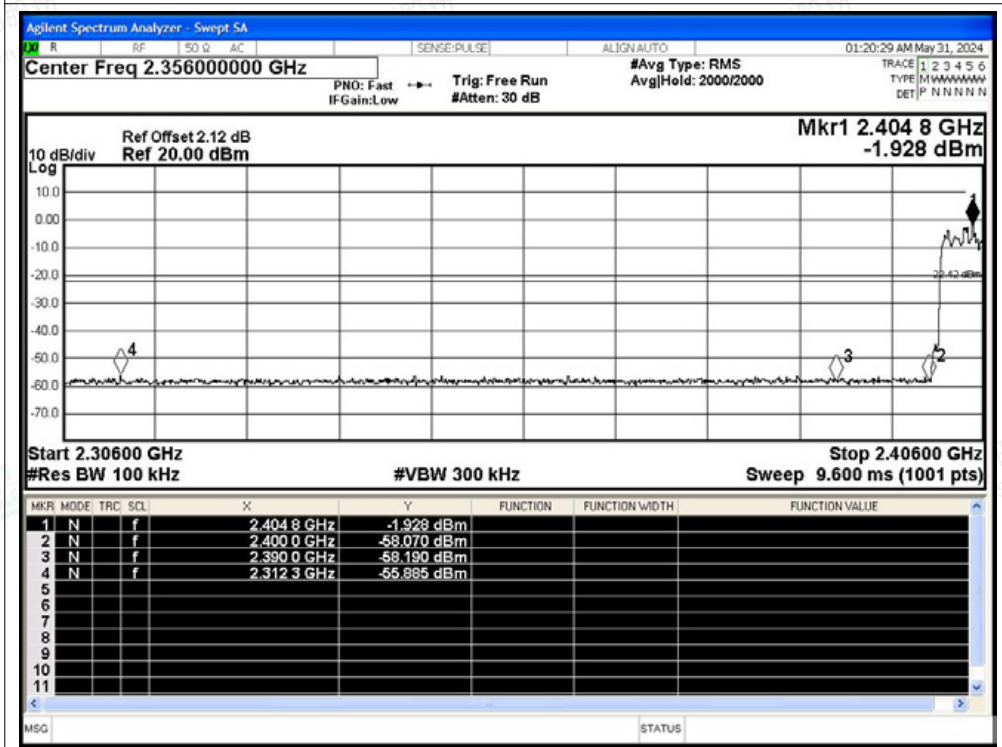




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

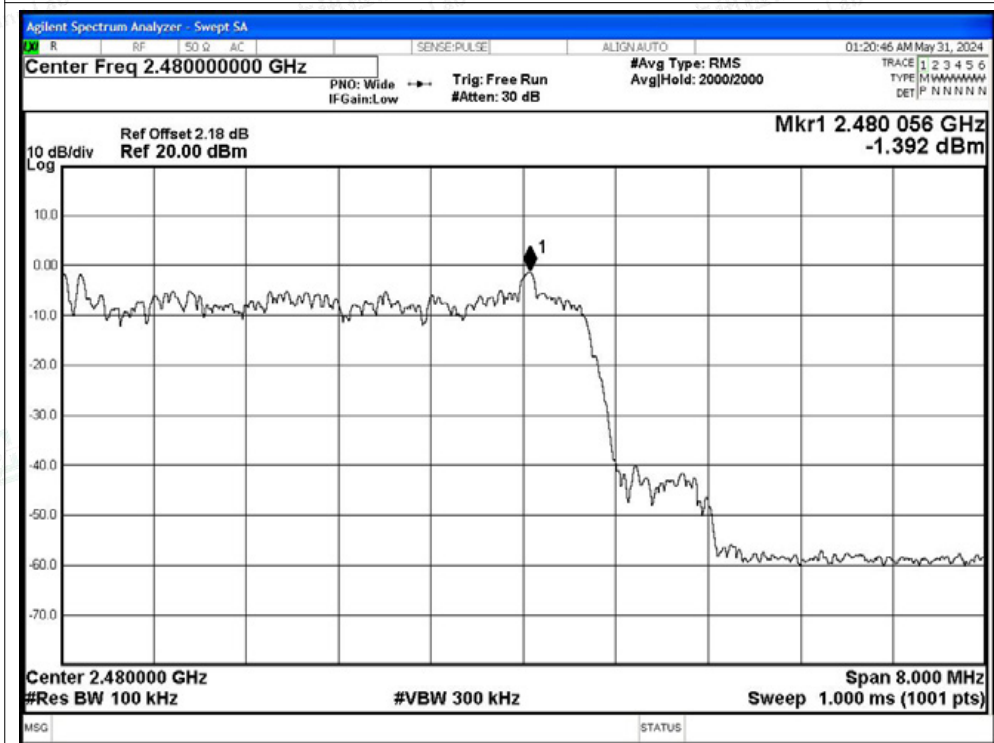


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

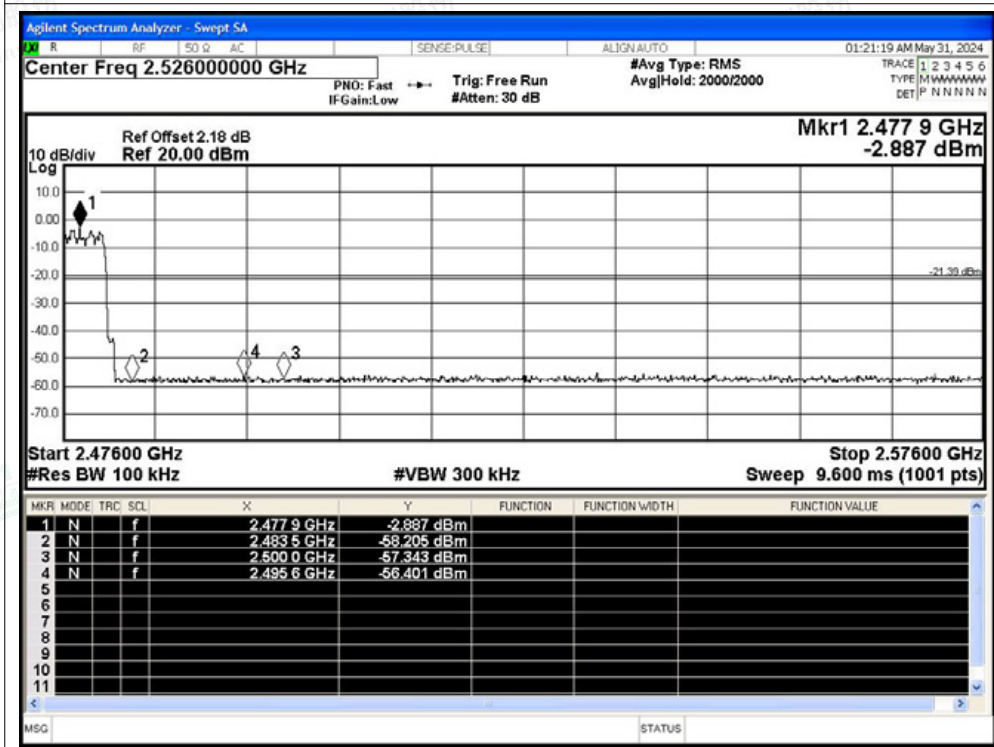




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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





A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.23	-20	Pass
NVNT	1-DH5	2441	Ant1	-55.25	-20	Pass
NVNT	1-DH5	2480	Ant1	-55.05	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.22	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.52	-20	Pass
NVNT	2-DH5	2480	Ant1	-54.08	-20	Pass

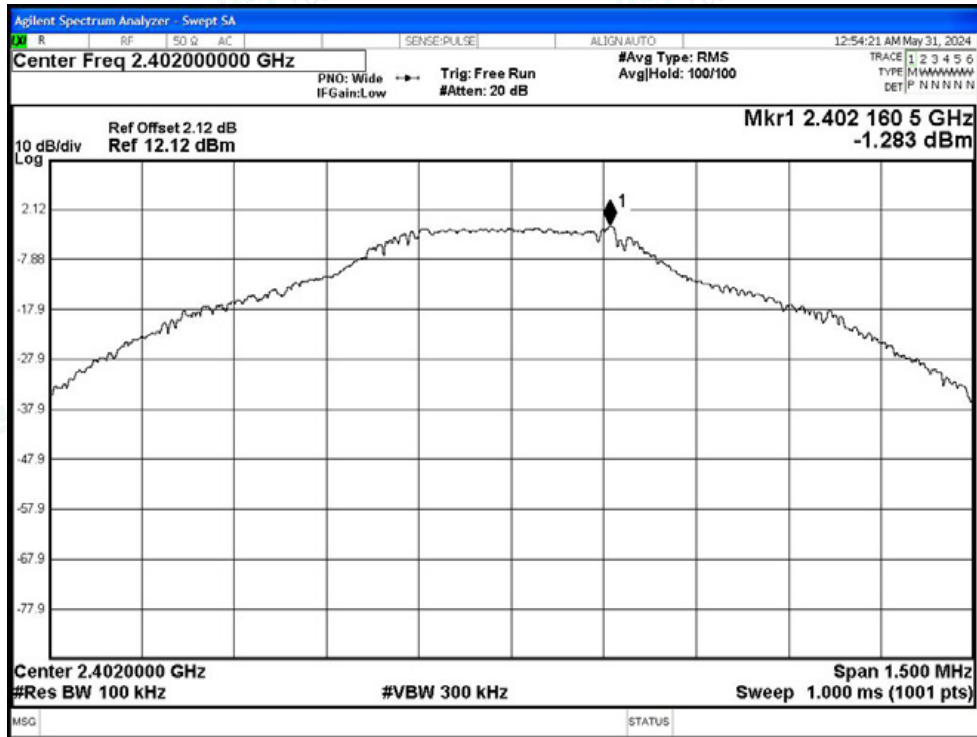


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Scan code to check authenticity

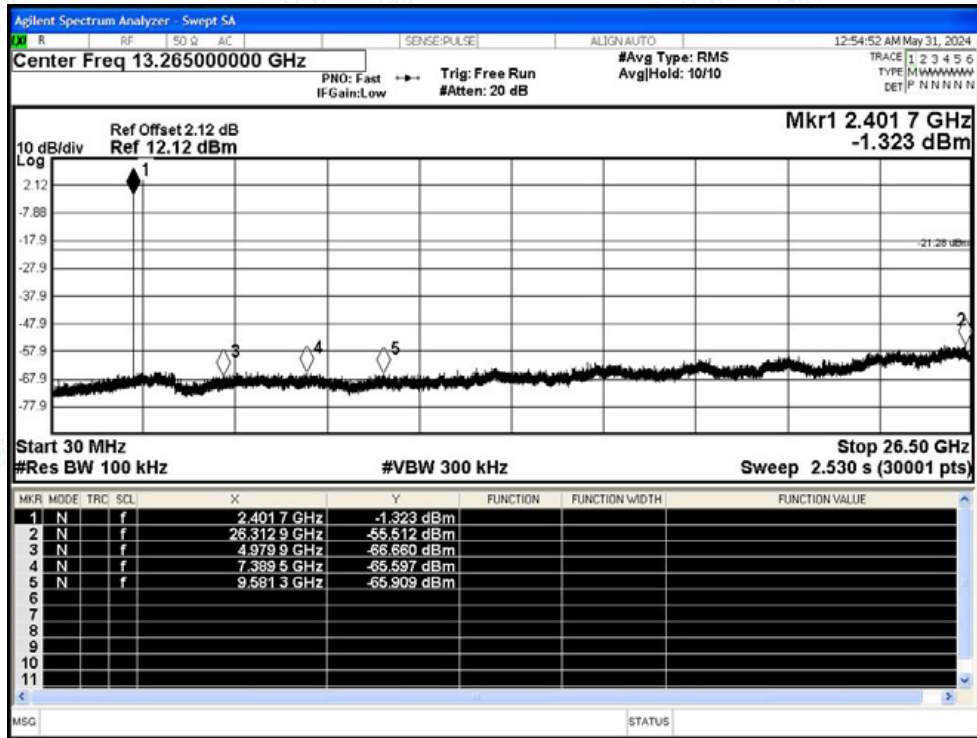


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

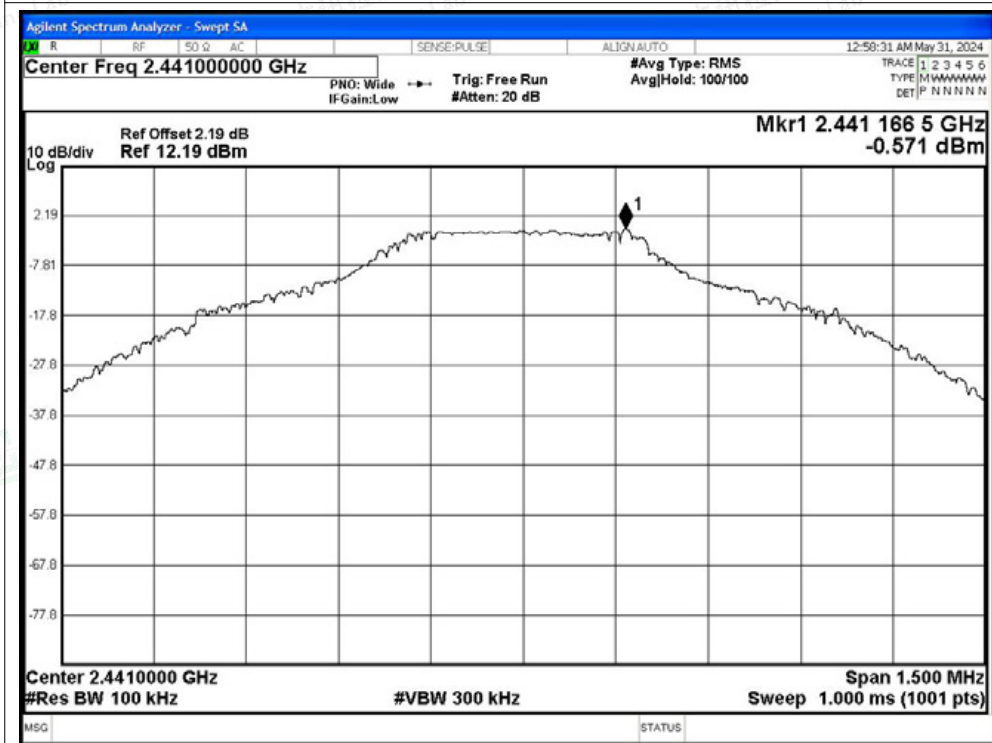


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

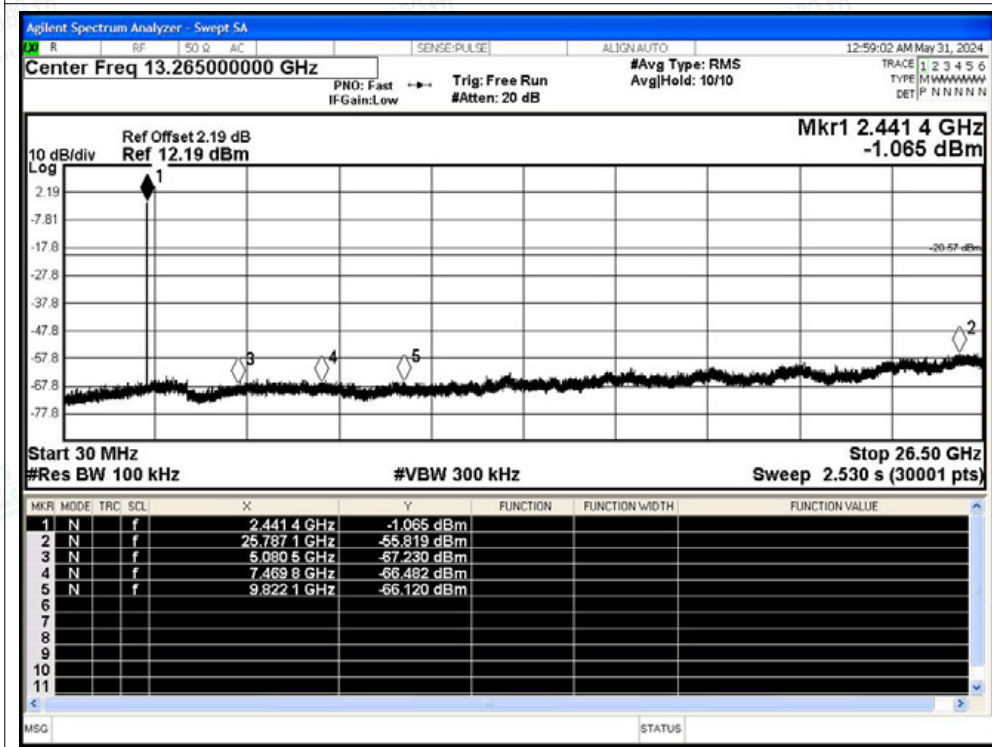




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

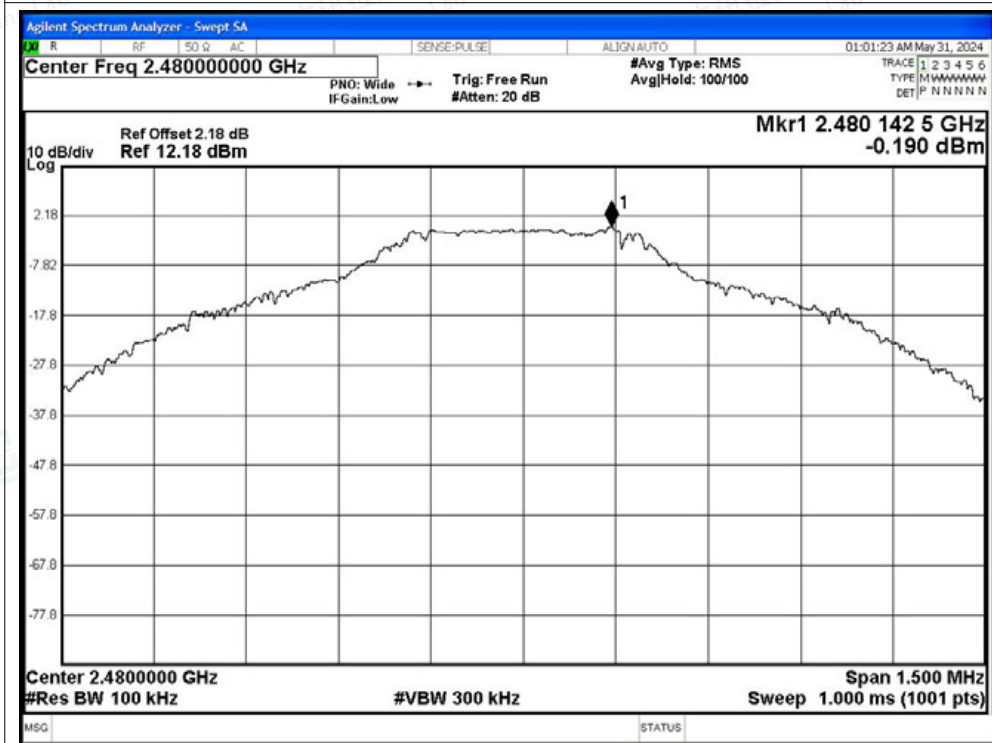


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

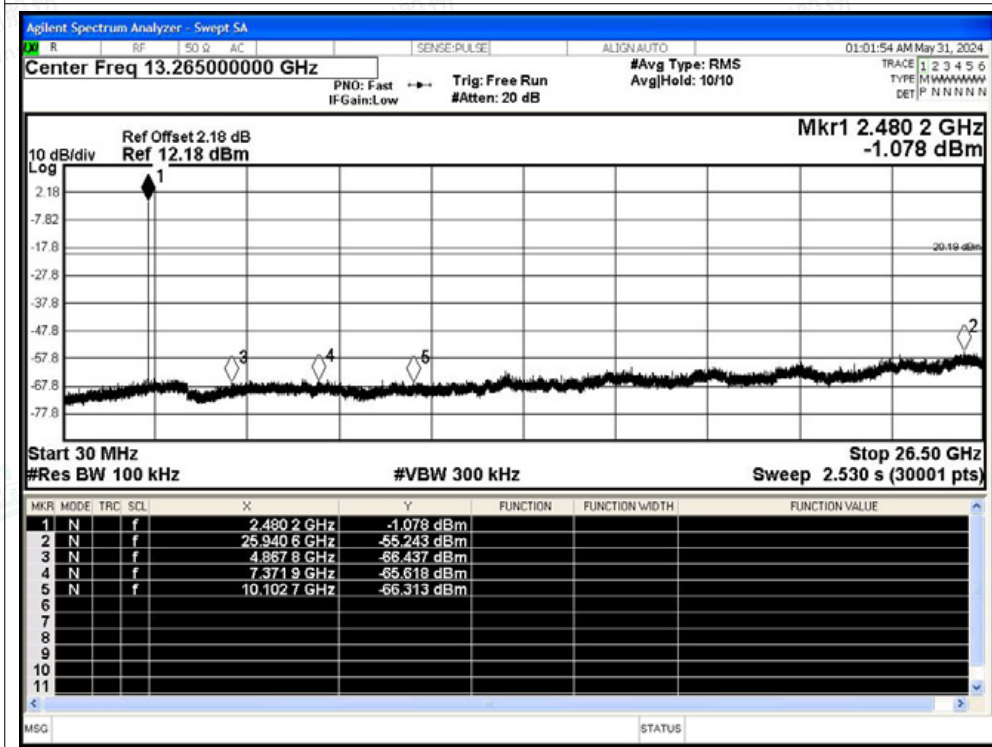




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

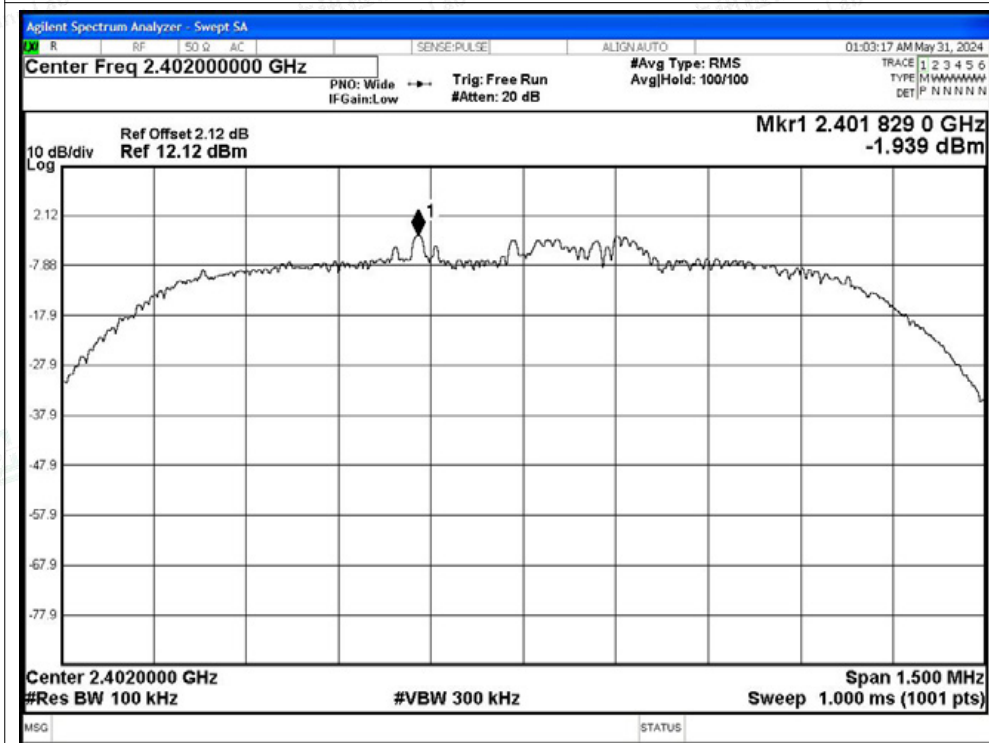


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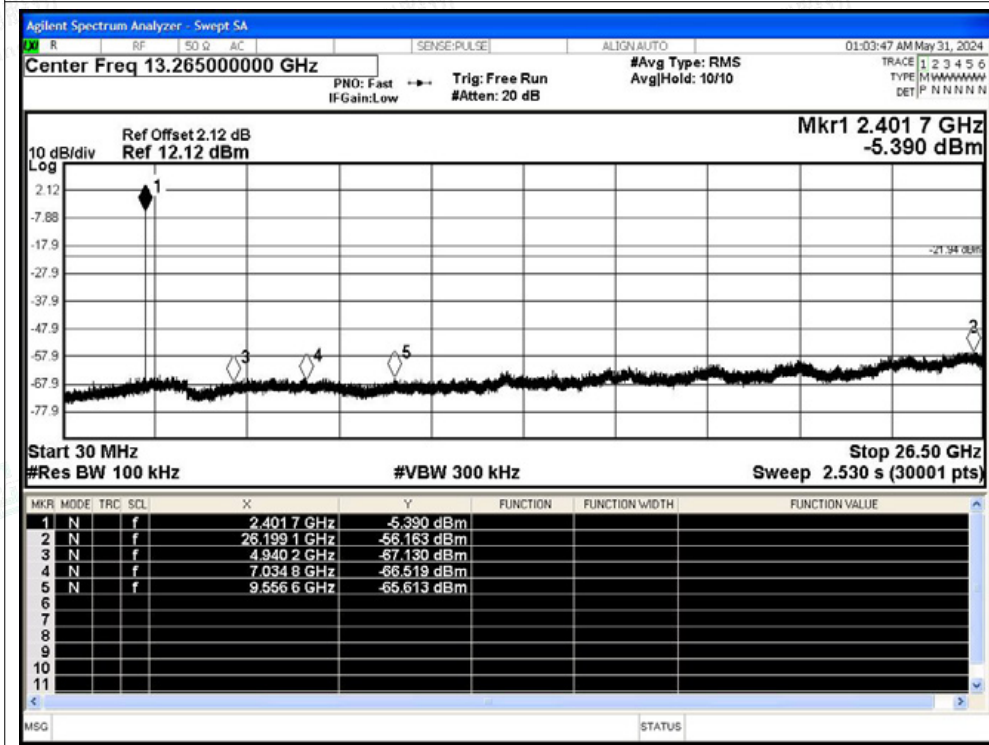




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

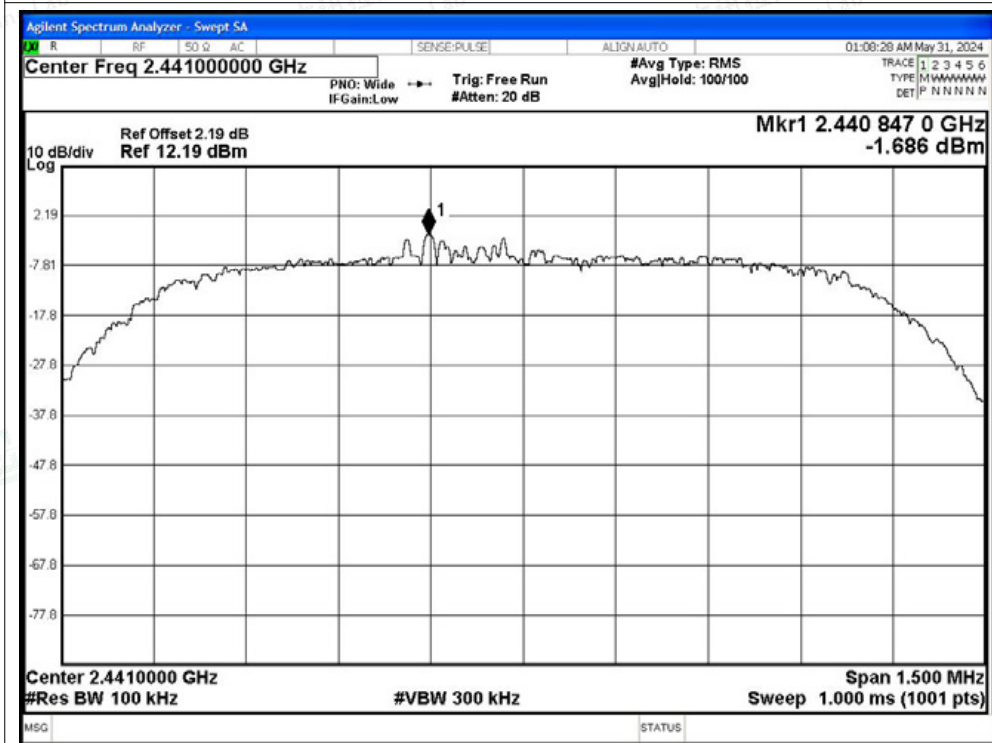


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

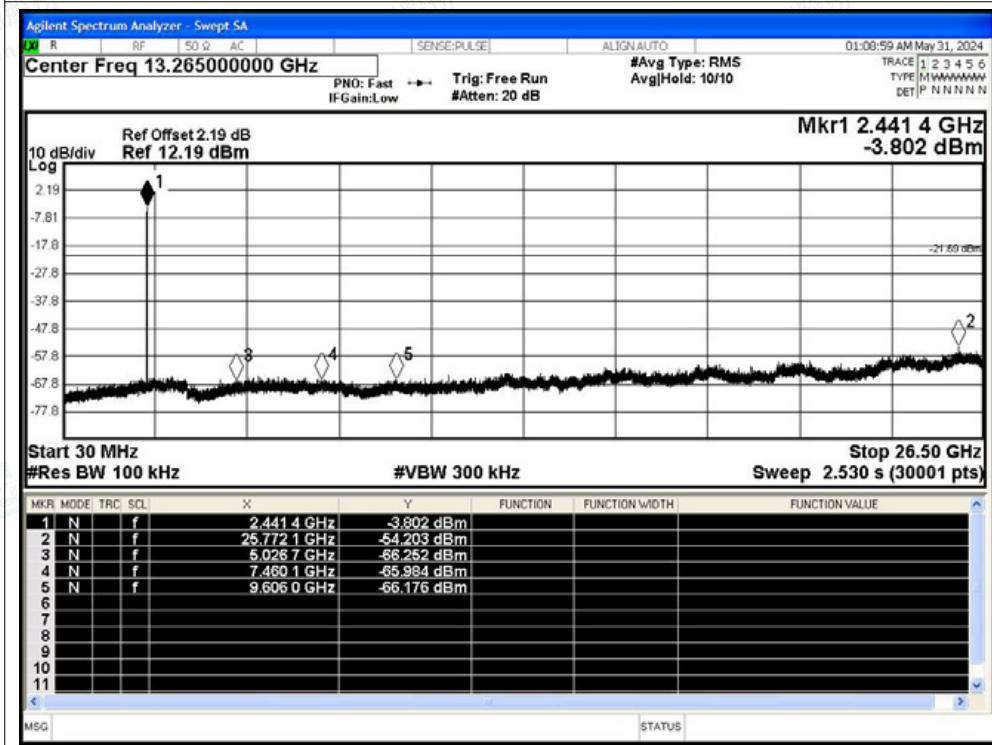




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref

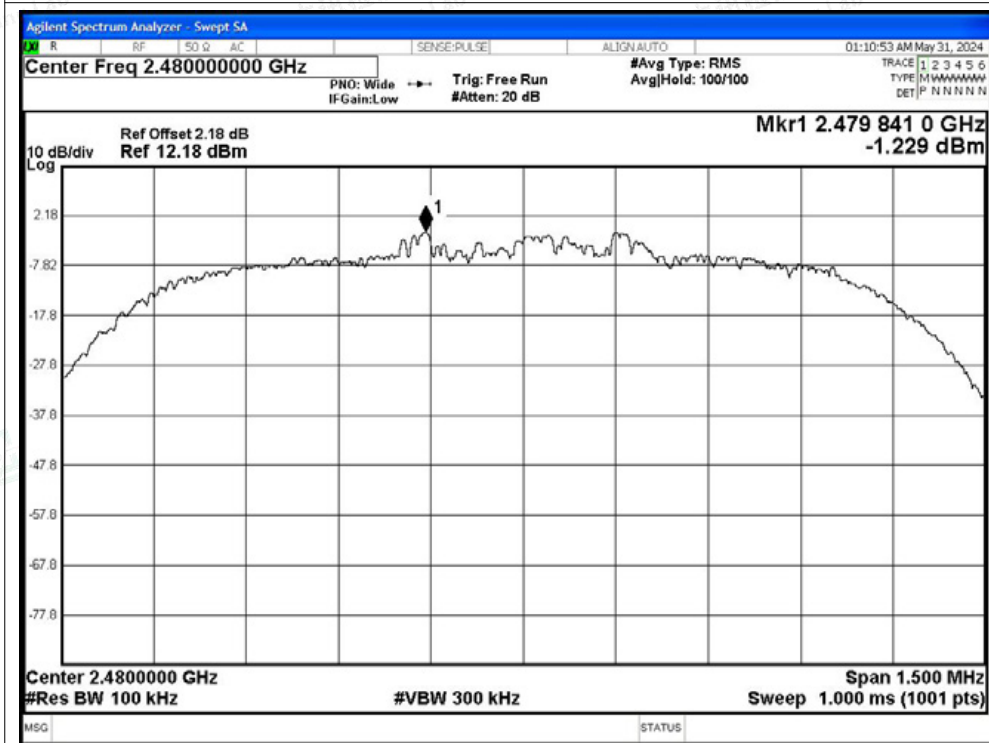


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

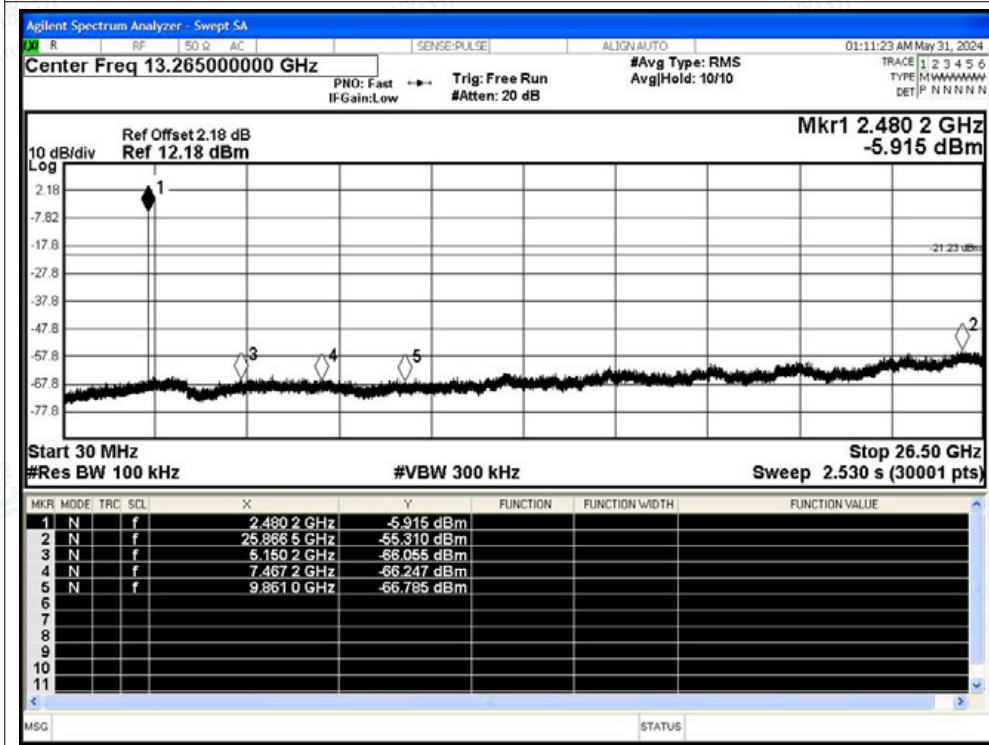




Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission





A.8 Duty Cycle

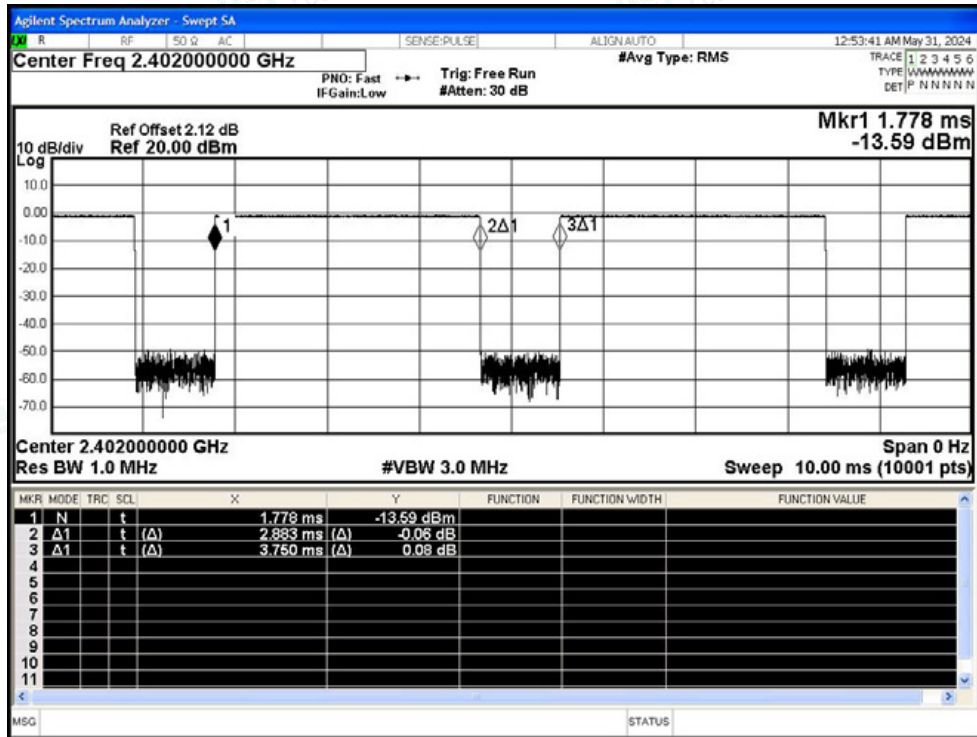
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2441	Ant1	76.88	1.14	0.35
NVNT	1-DH5	2480	Ant1	76.88	1.14	0.35
NVNT	2-DH5	2402	Ant1	76.96	1.14	0.35
NVNT	2-DH5	2441	Ant1	76.99	1.14	0.35
NVNT	2-DH5	2480	Ant1	76.96	1.14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



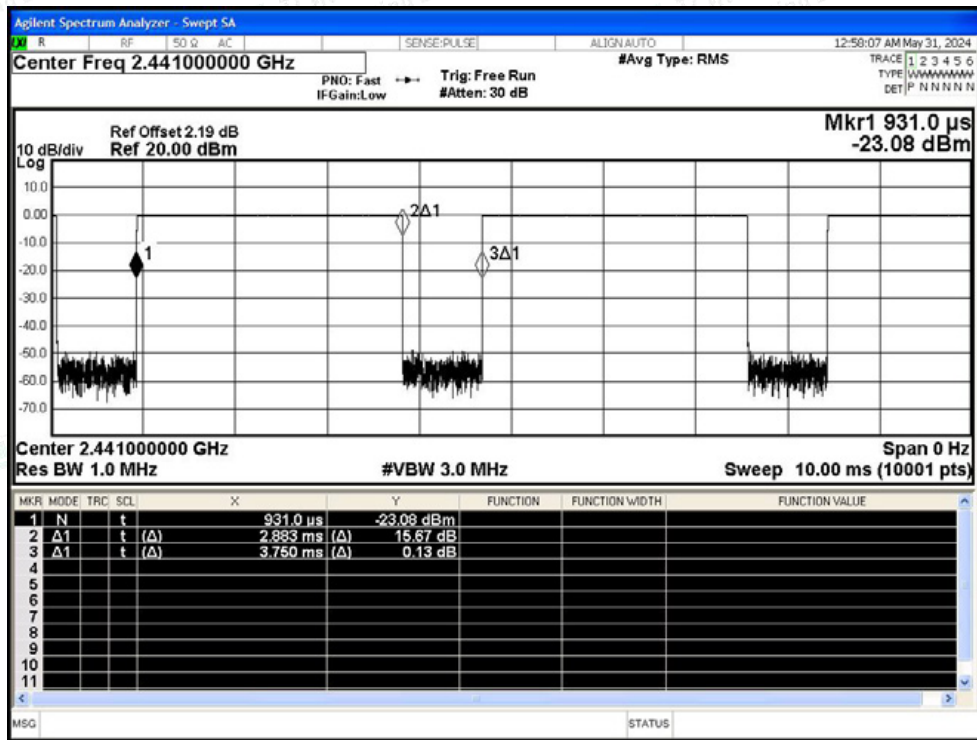


Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

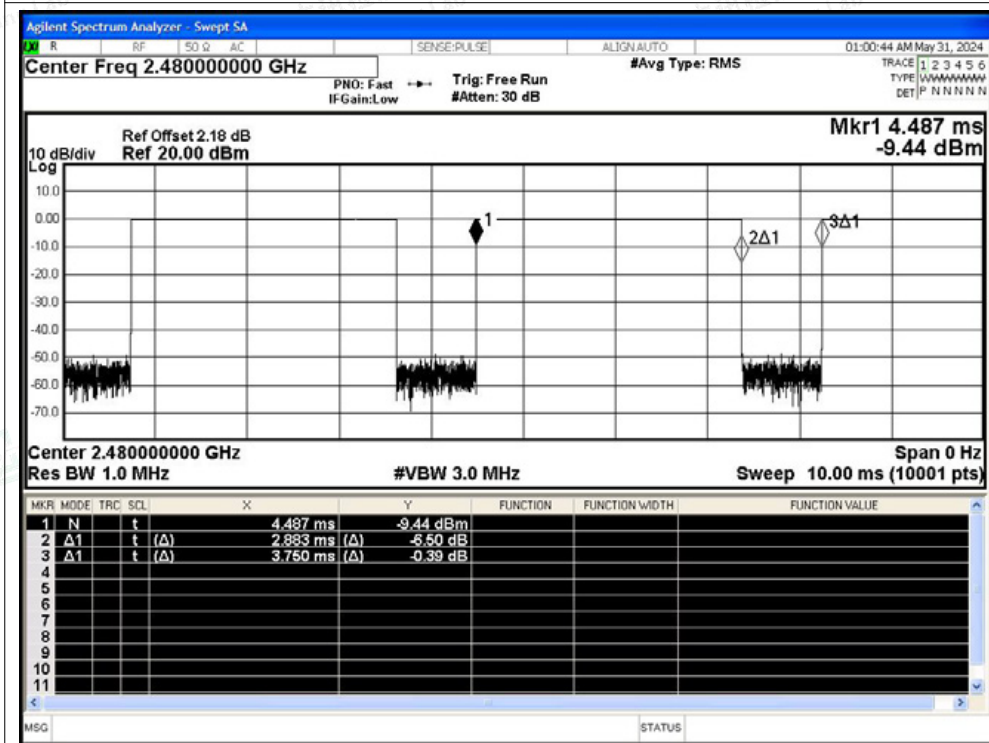


Duty Cycle NVNT 1-DH5 2441MHz Ant1

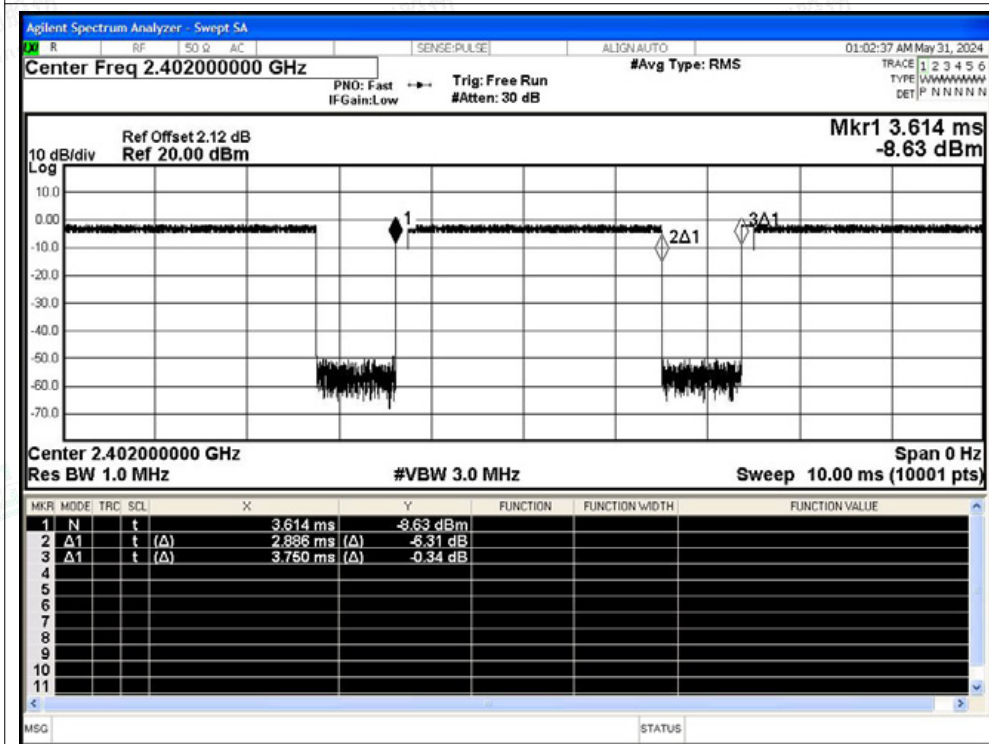




Duty Cycle NVNT 1-DH5 2480MHz Ant1

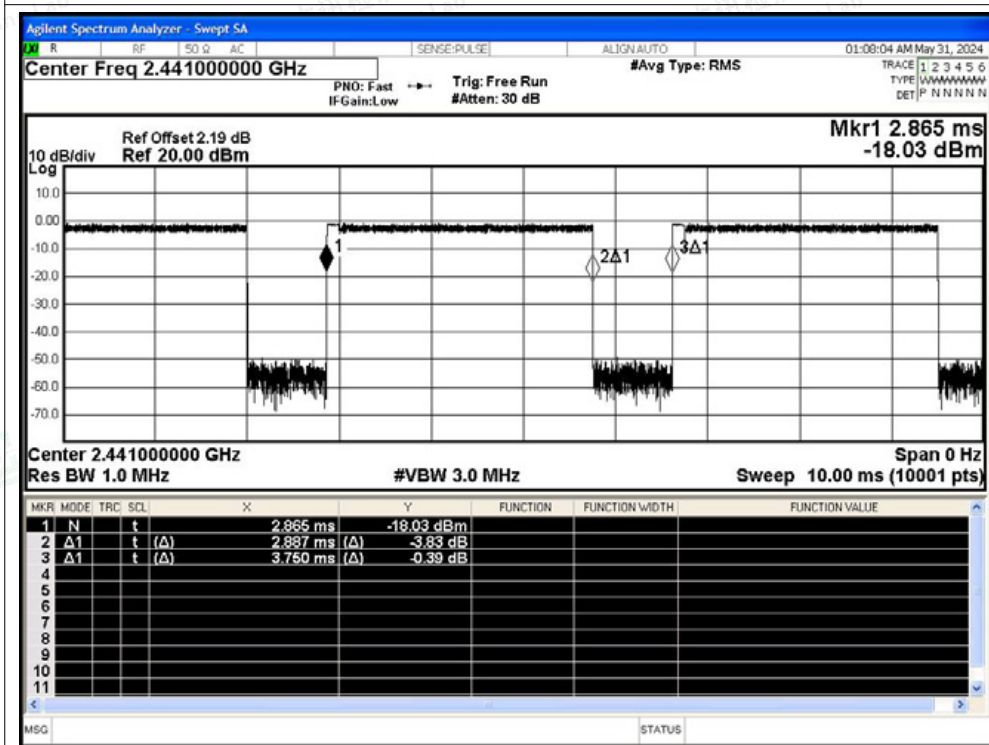


Duty Cycle NVNT 2-DH5 2402MHz Ant1

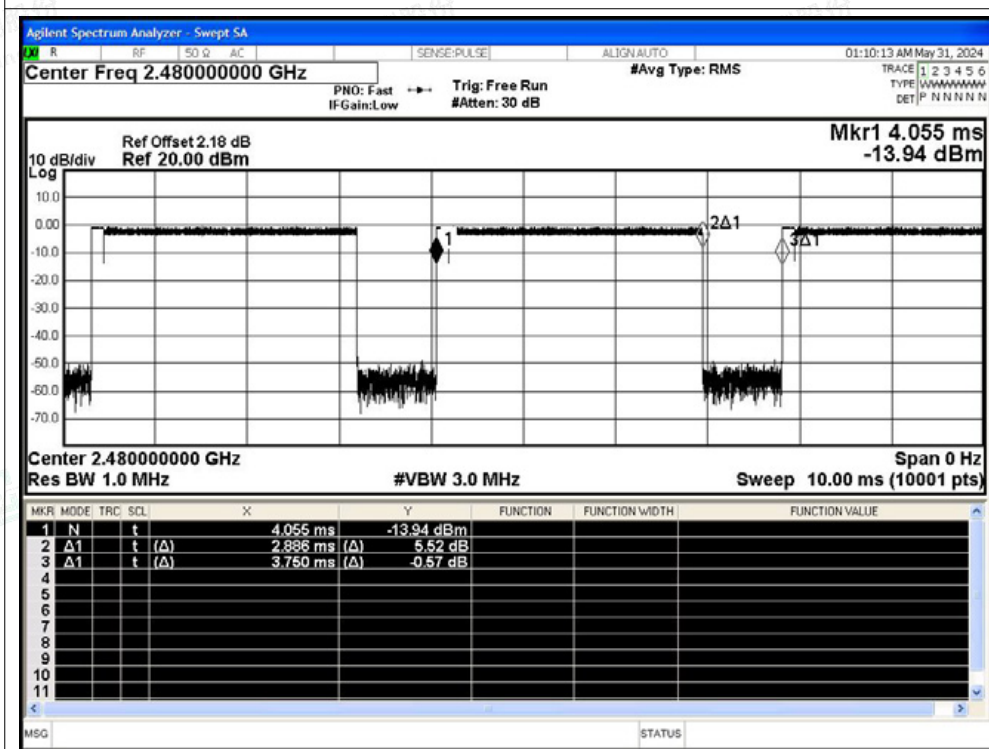




Duty Cycle NVNT 2-DH5 2441MHz Ant1



Duty Cycle NVNT 2-DH5 2480MHz Ant1





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	-49.39	2	-	47.87	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.84	2	1.14	39.56	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2364.72	-47.37	2	-	49.89	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2343.408	-57.53	2	1.14	40.87	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.95	2	-	46.31	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-58.42	2	1.14	39.98	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-51.27	2	-	45.99	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-58.48	2	1.14	39.92	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2493.52	-47.49	2	-	49.77	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2495.056	-57.33	2	1.14	41.07	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.75	2	-	47.51	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.08	2	1.14	40.32	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.27	2	-	45.99	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.81	2	1.14	39.59	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2375.76	-47.12	2	-	50.14	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2386.416	-57.71	2	1.14	40.69	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.12	2	-	46.14	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-58.48	2	1.14	39.92	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-50.12	2	-	47.14	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-57.72	2	1.14	40.68	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2491.528	-47.61	2	-	49.65	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.992	-57.1	2	1.14	41.3	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.47	2	-	48.79	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.14	2	1.14	40.26	Average	54	Pass

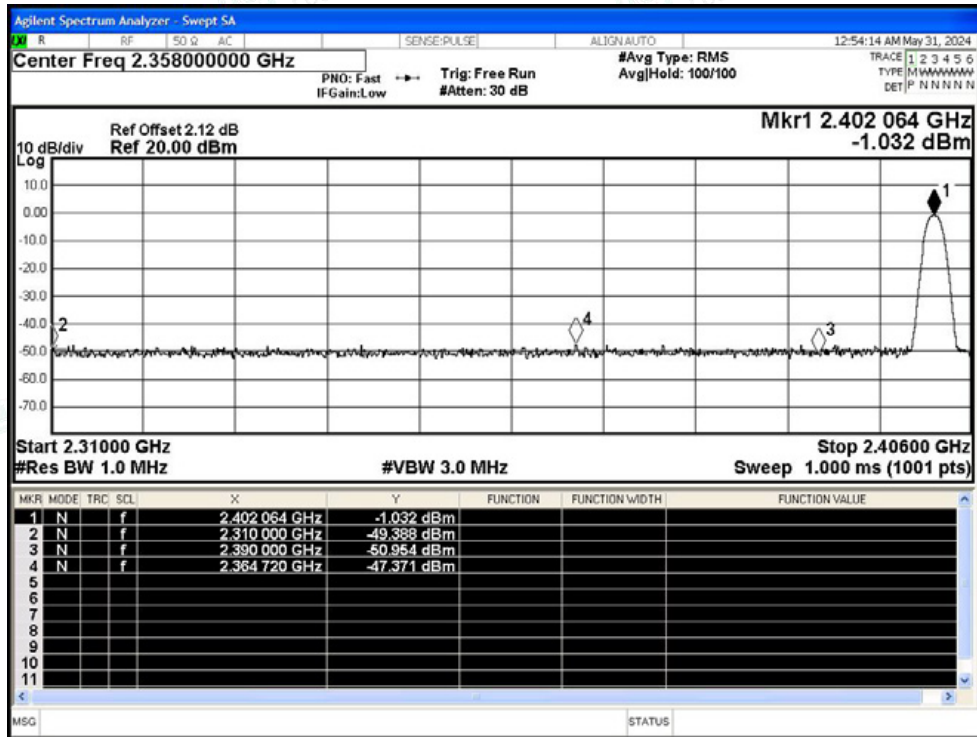


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 Scan code to check authenticity

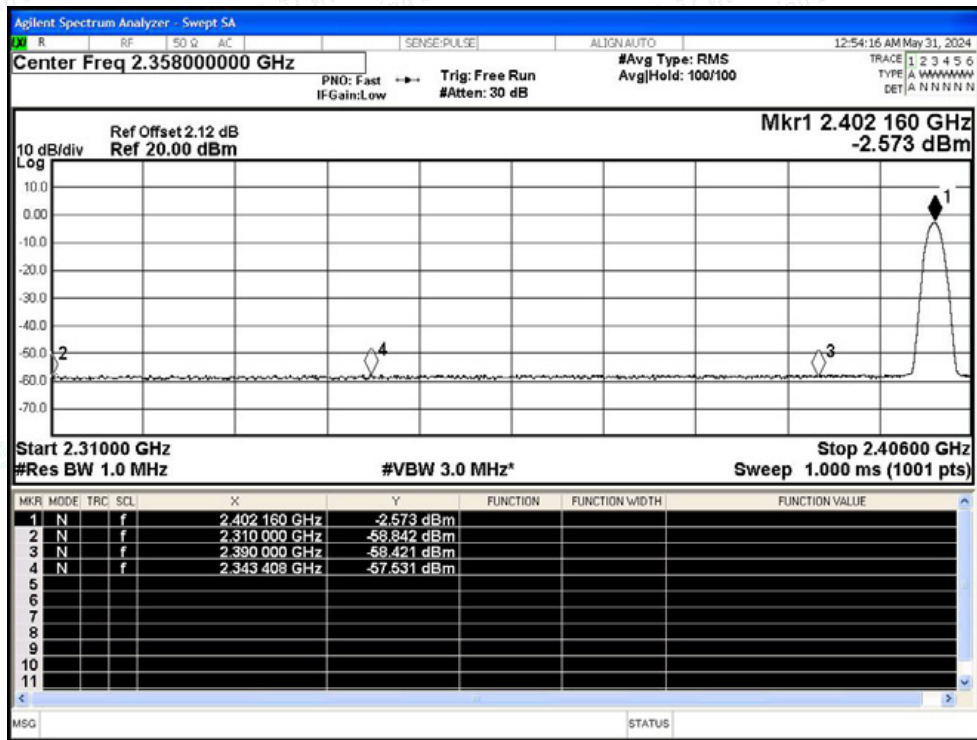


Test Graphs

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

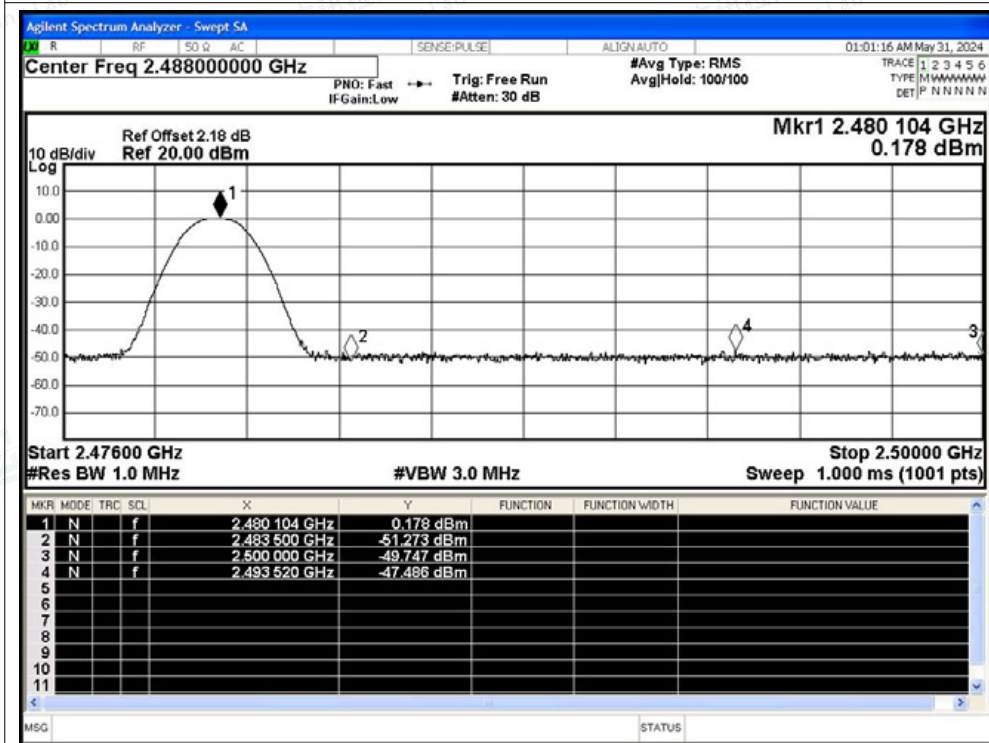


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

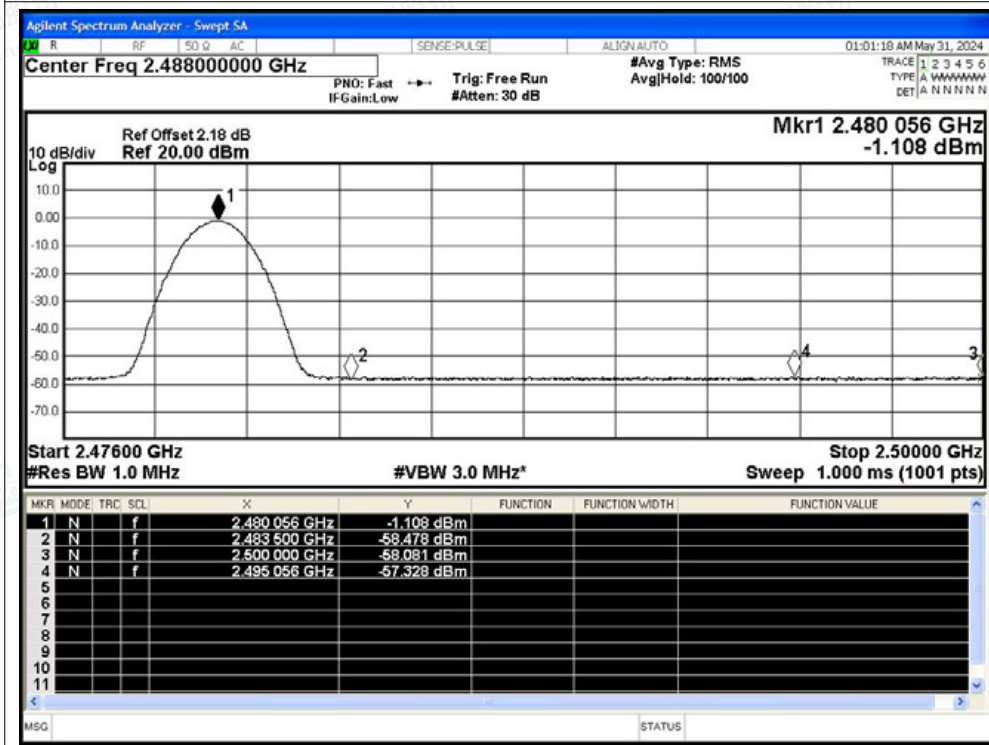




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

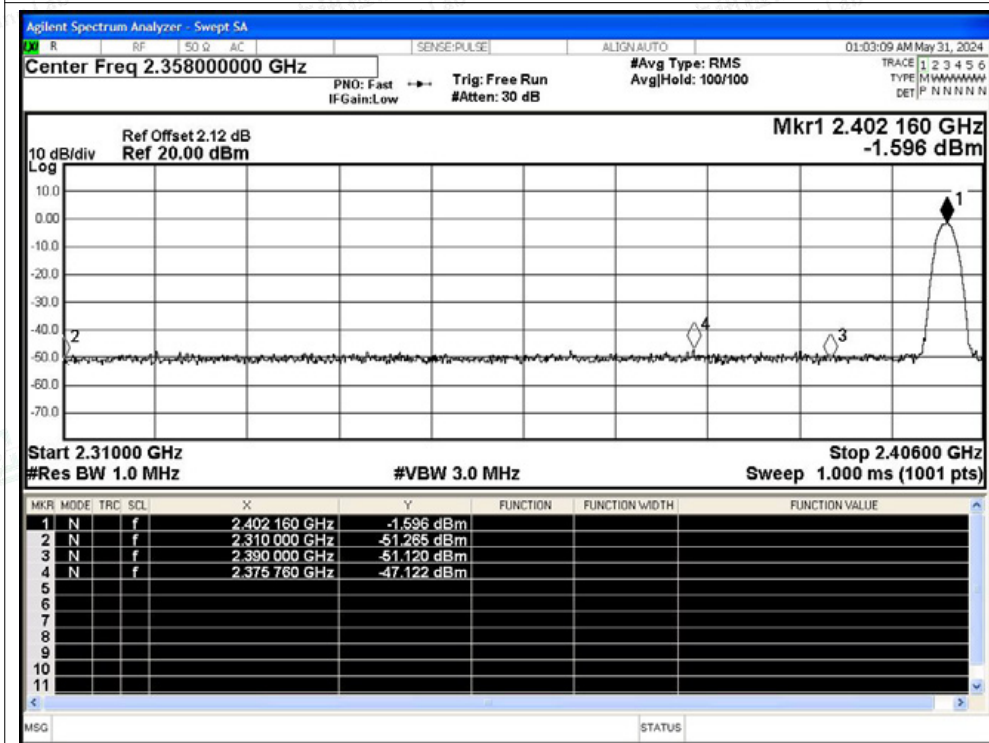


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

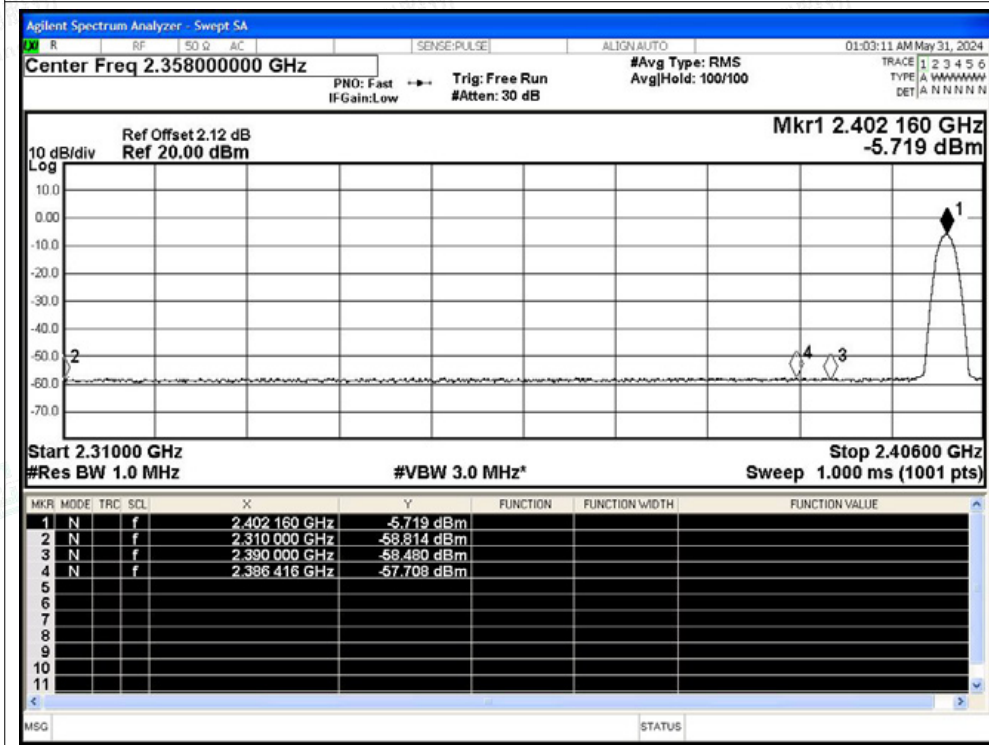




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

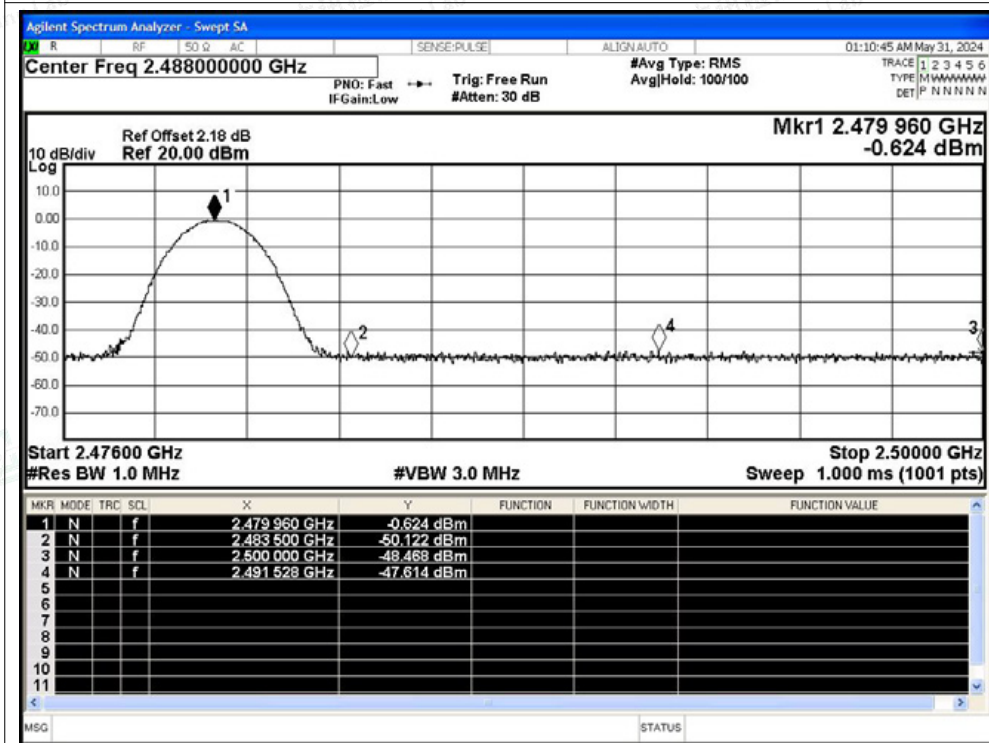


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average





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



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

