

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet PC

Test Model: 10LC1



立讯检测股份
LCS Testing Lab



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Environmental Conditions

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



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A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.955	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.946	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.954	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.314	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.293	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.28	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.294	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.307	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.294	N/A	Pass

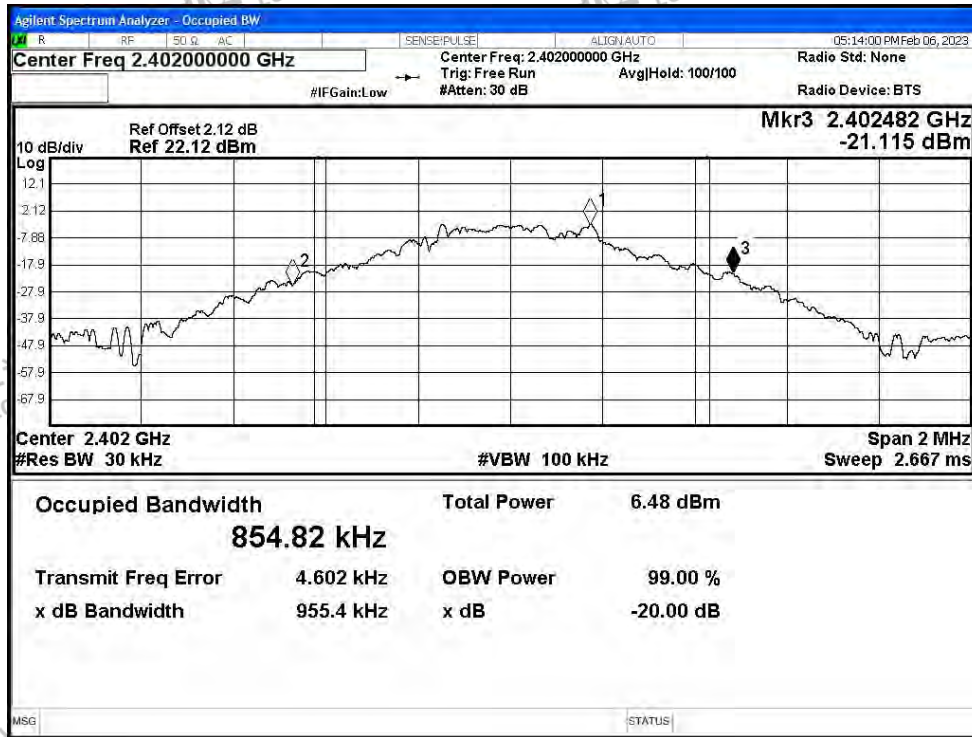


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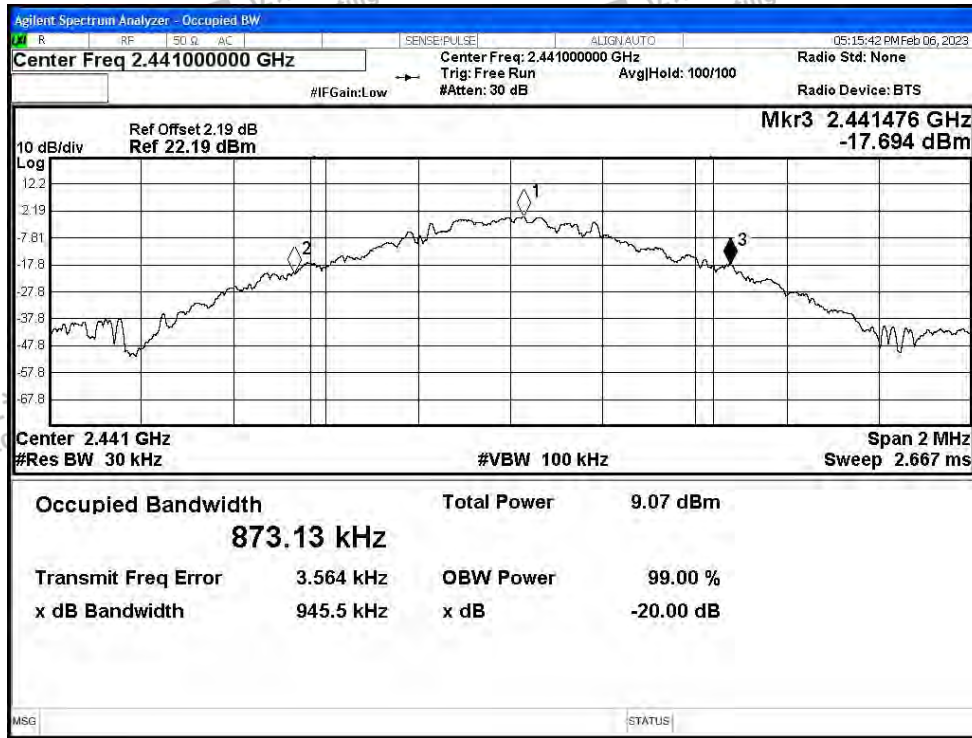


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

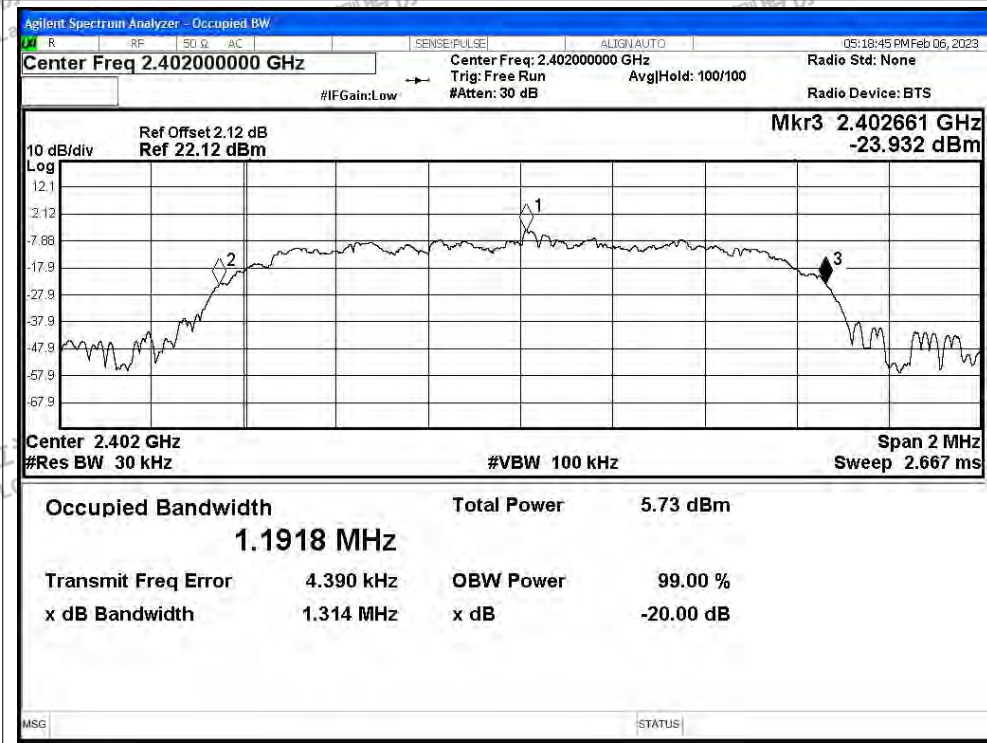




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

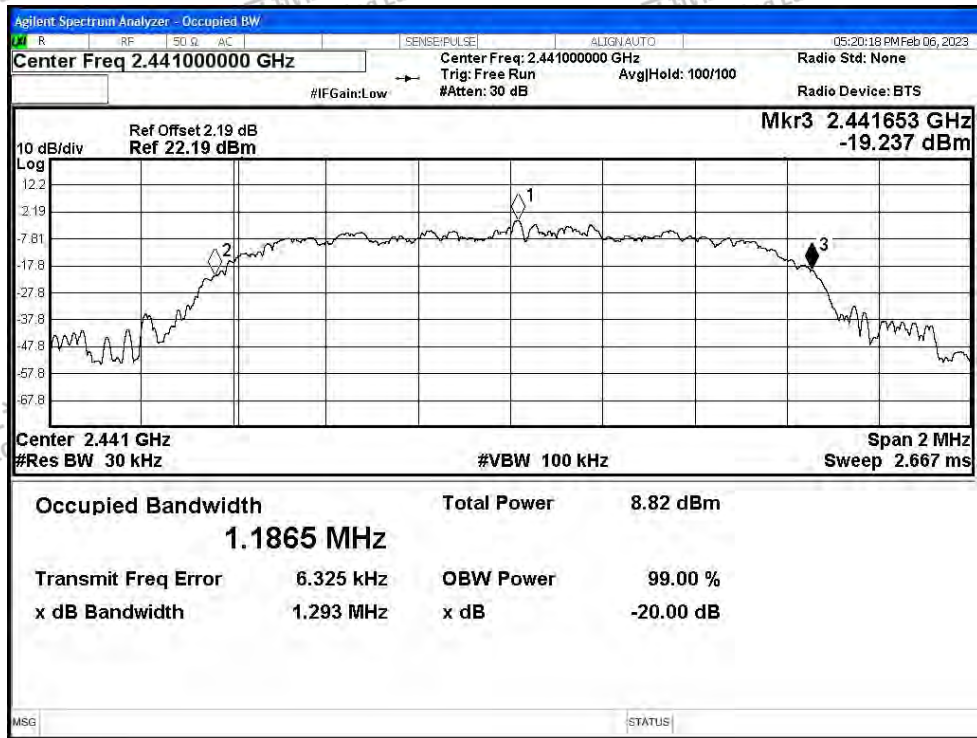


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1





-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

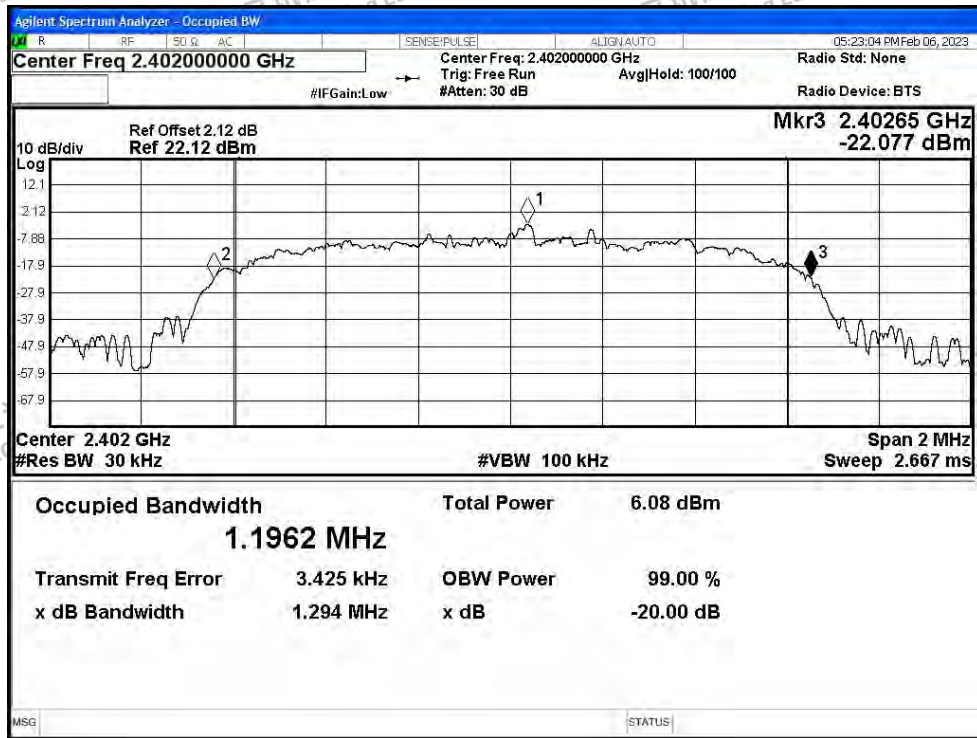


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

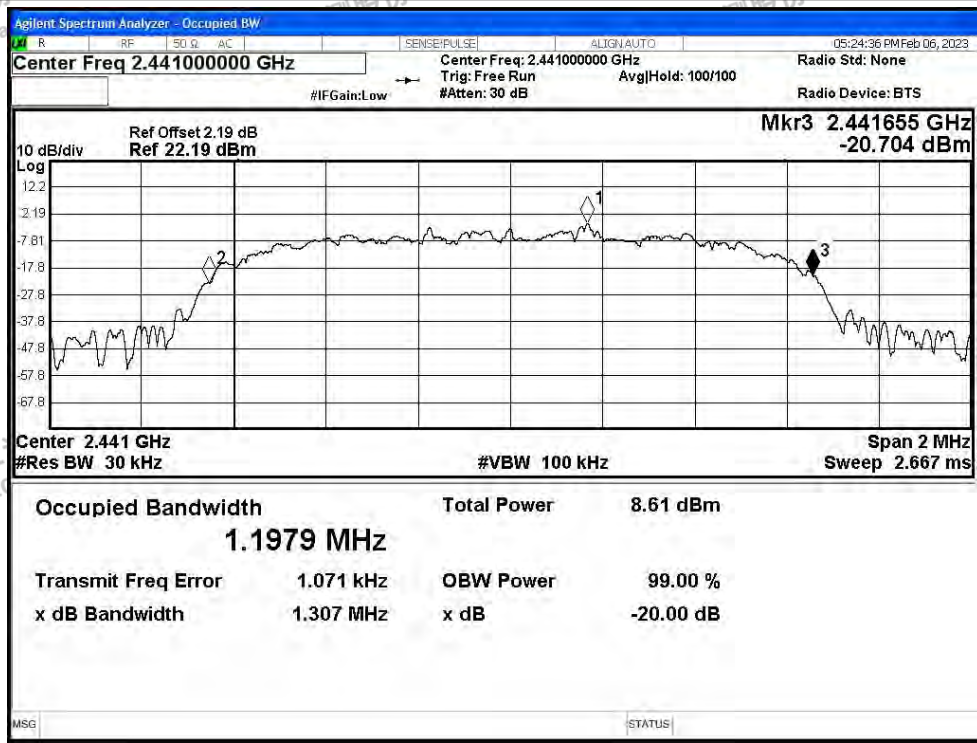




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

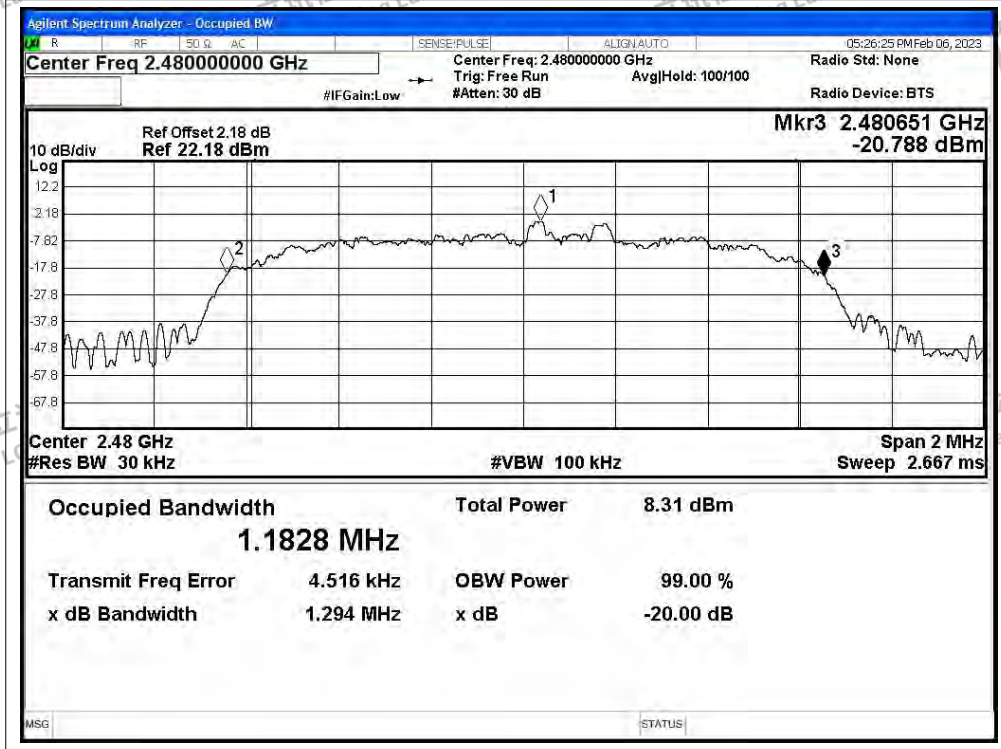


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.17	21	Pass
NVNT	1-DH5	2441	Ant1	-0.65	21	Pass
NVNT	1-DH5	2480	Ant1	1.94	21	Pass
NVNT	2-DH5	2402	Ant1	1.91	21	Pass
NVNT	2-DH5	2441	Ant1	1.35	21	Pass
NVNT	2-DH5	2480	Ant1	0.72	21	Pass
NVNT	3-DH5	2402	Ant1	2.19	21	Pass
NVNT	3-DH5	2441	Ant1	1.74	21	Pass
NVNT	3-DH5	2480	Ant1	1.00	21	Pass

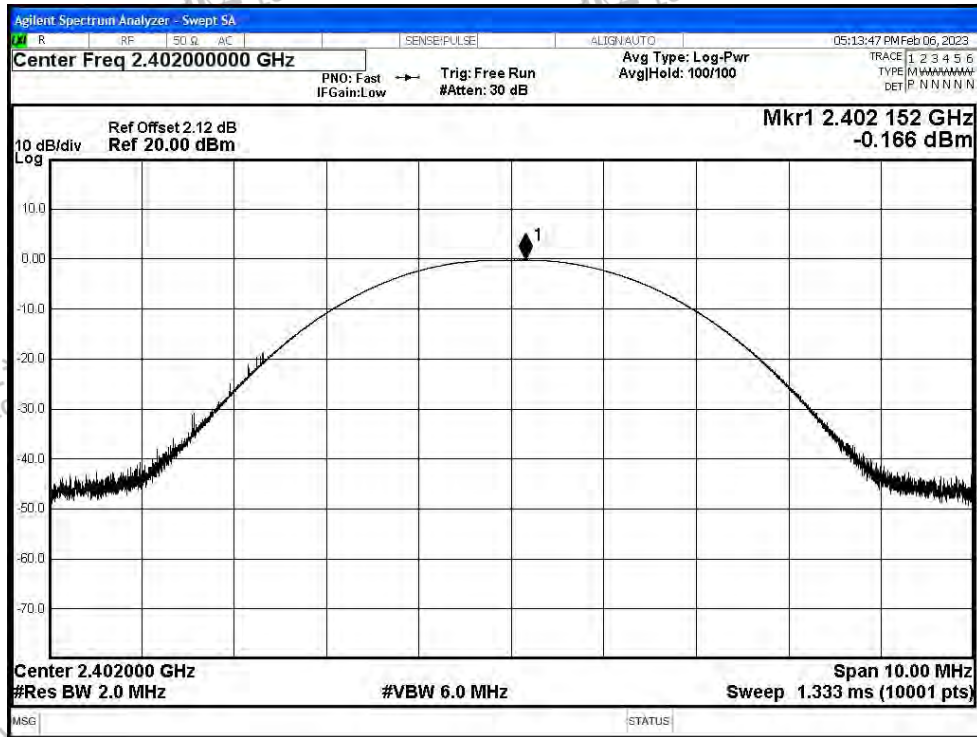


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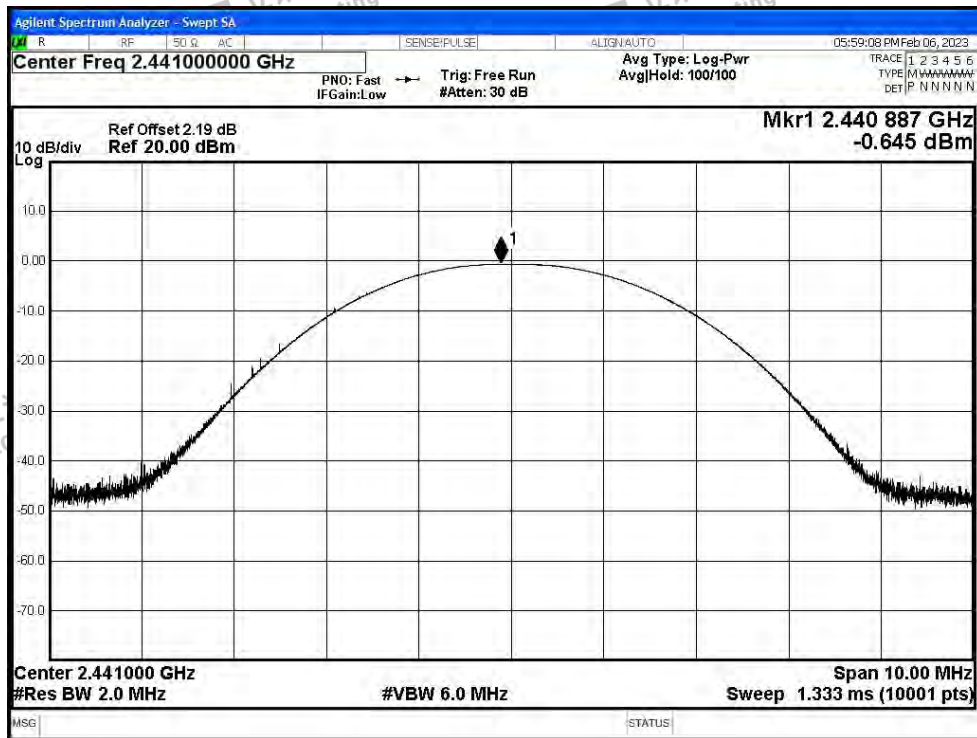


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

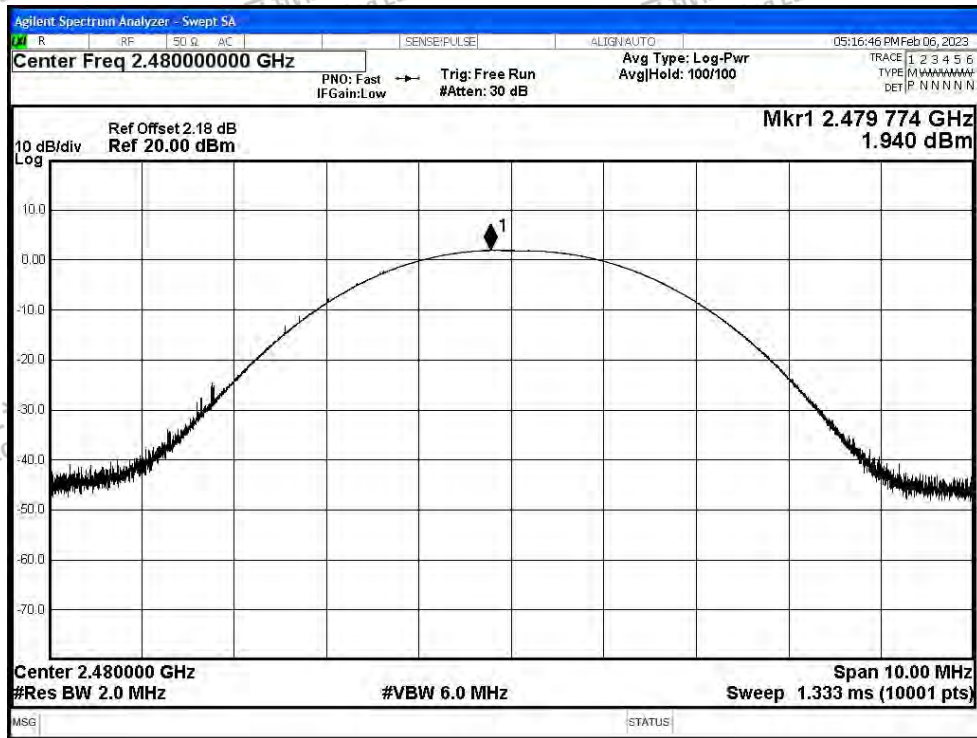


Power NVNT 1-DH5 2441MHz Ant1

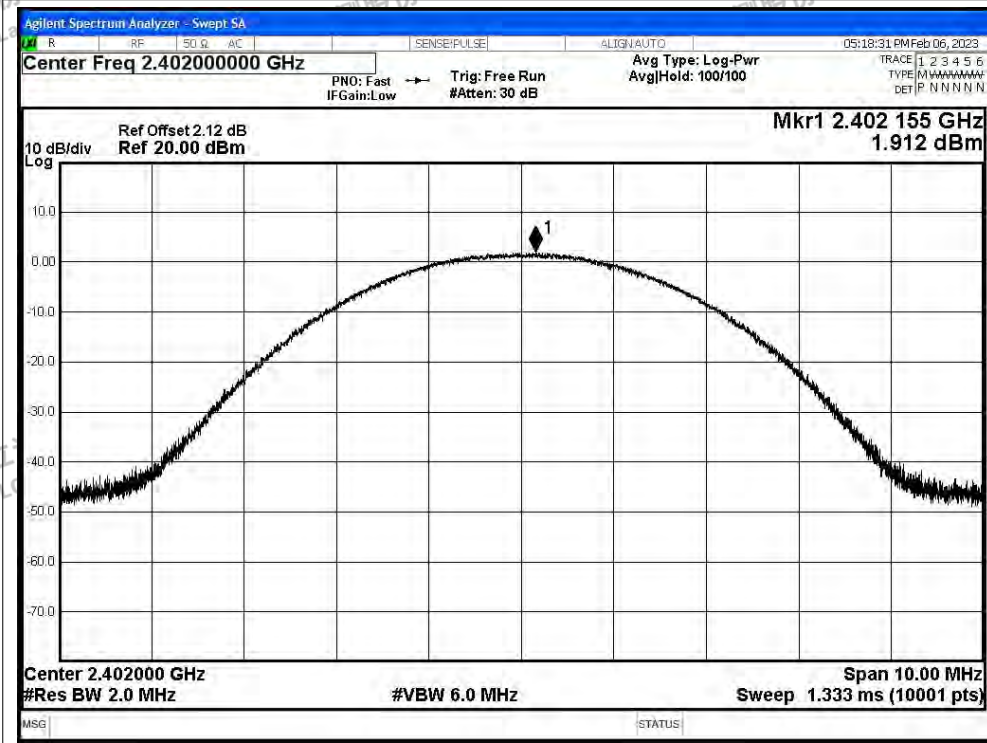




Power NVNT 1-DH5 2480MHz Ant1

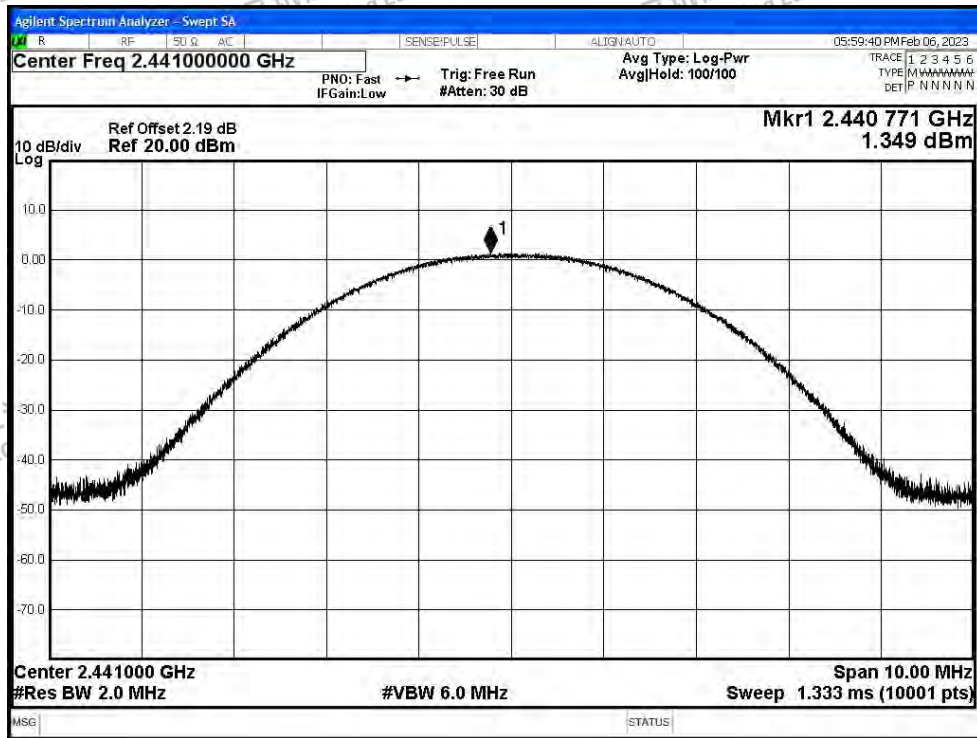


Power NVNT 2-DH5 2402MHz Ant1

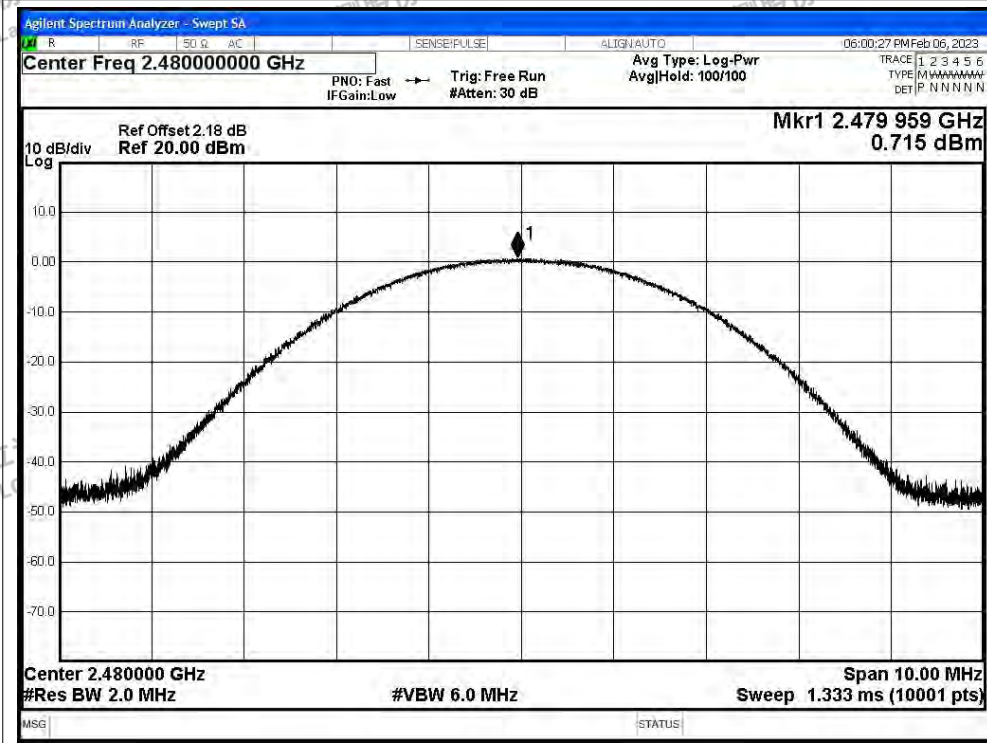




Power NVNT 2-DH5 2441MHz Ant1

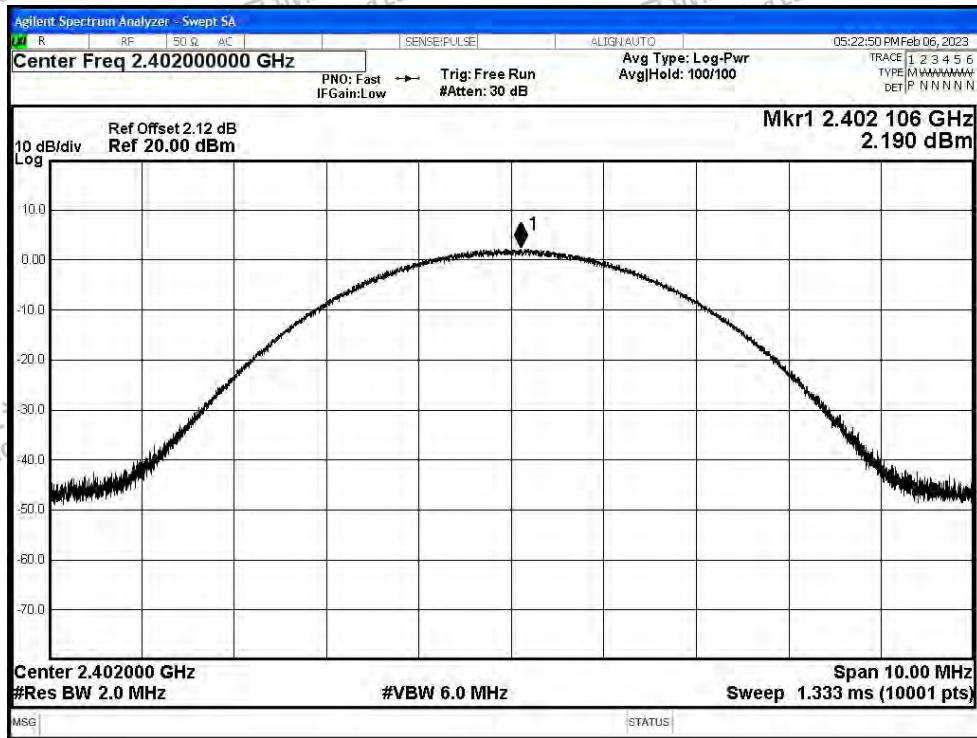


Power NVNT 2-DH5 2480MHz Ant1

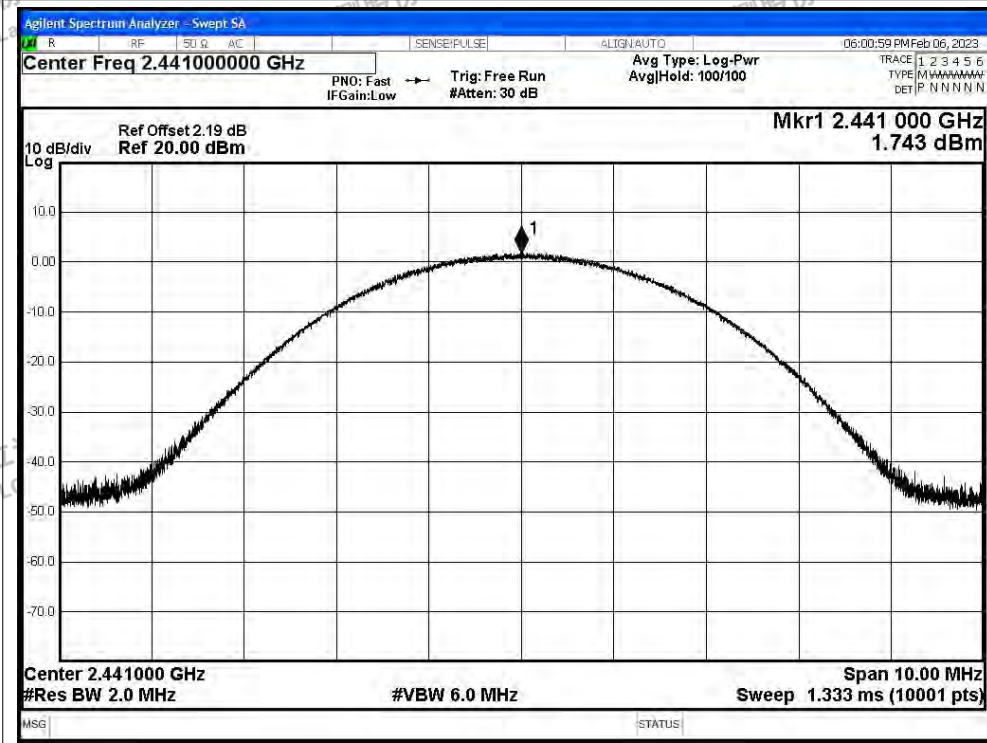




Power NVNT 3-DH5 2402MHz Ant1

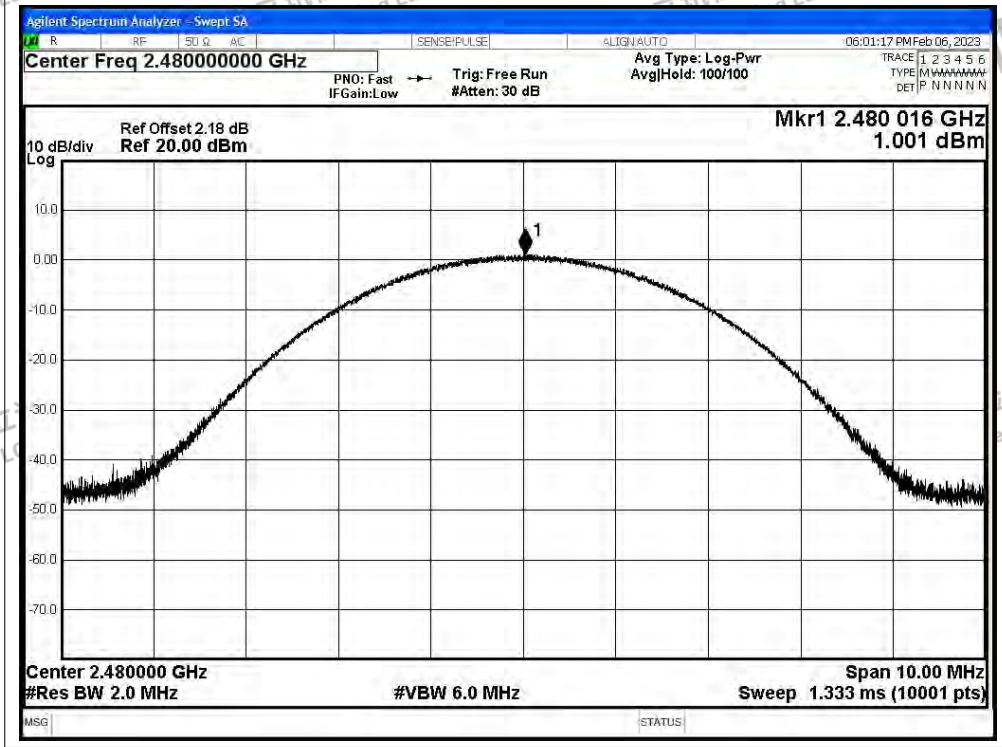


Power NVNT 3-DH5 2441MHz Ant1





Power NVNT 3-DH5 2480MHz Ant1



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A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.034	2402.842	0.637	0.637	Pass
NVNT	2-DH5	Ant1	2402.034	2403.034	0.876	0.876	Pass
NVNT	3-DH5	Ant1	2402.034	2403.032	0.872	0.863	Pass

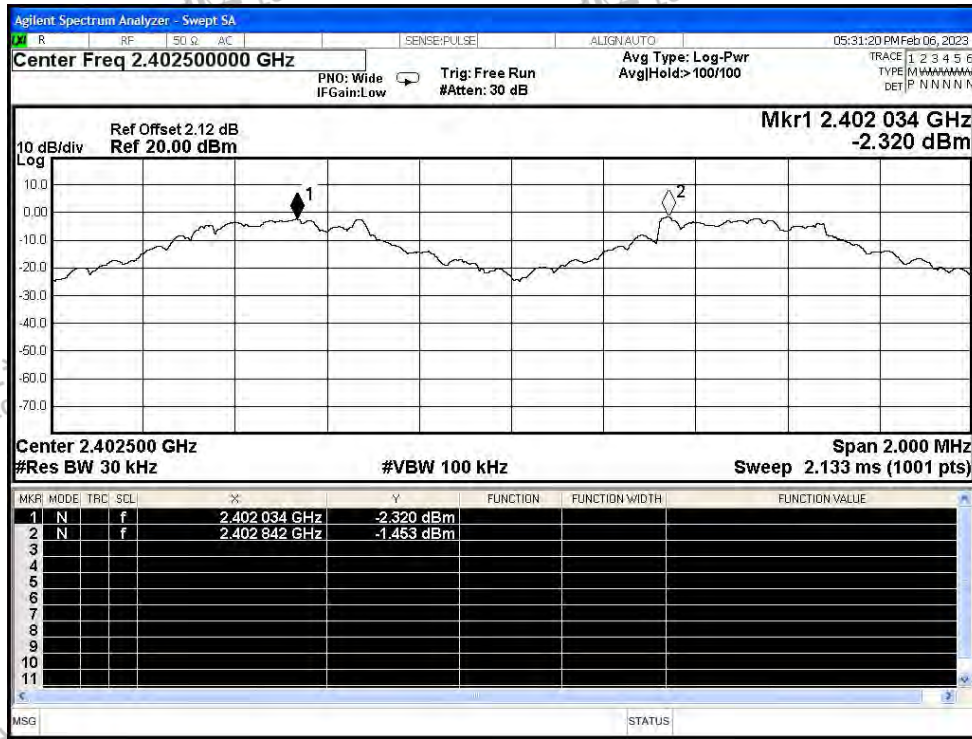


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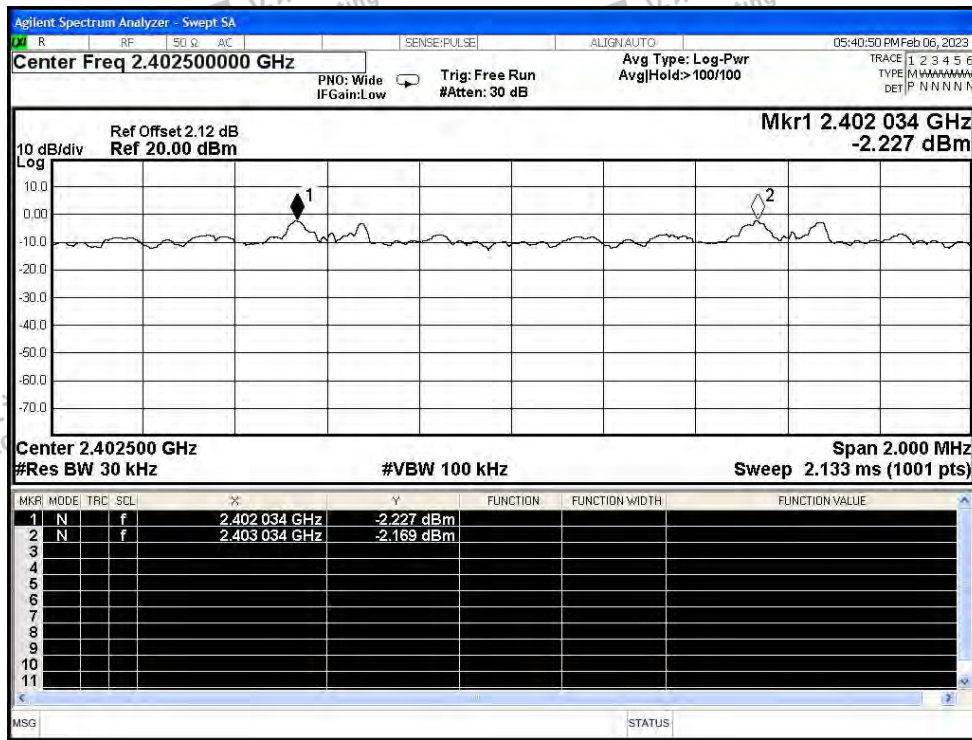


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

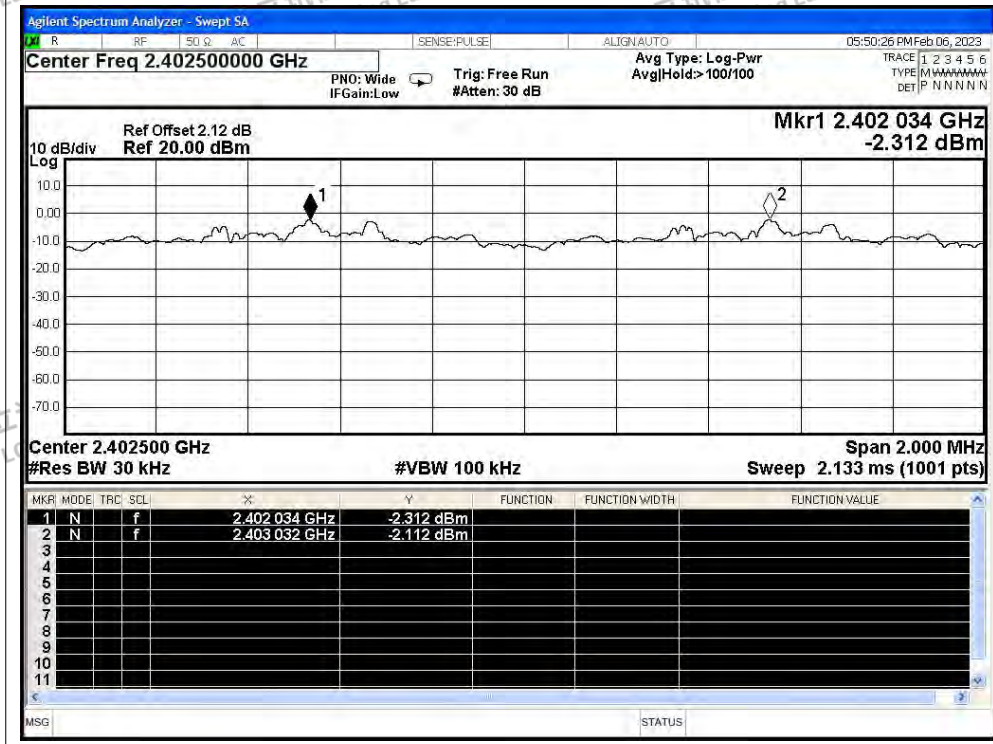


CFS NVNT 2-DH5 2402MHz Ant1





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	0.499	52.395	105	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.884	282.632	98	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.883	325.779	113	31600	400	Pass

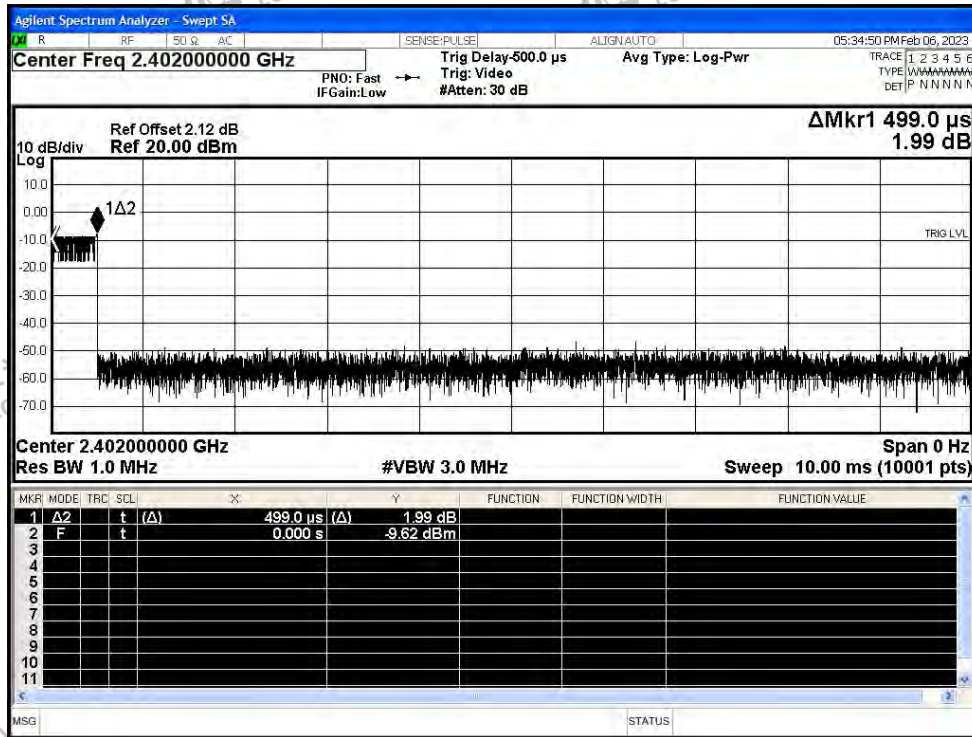


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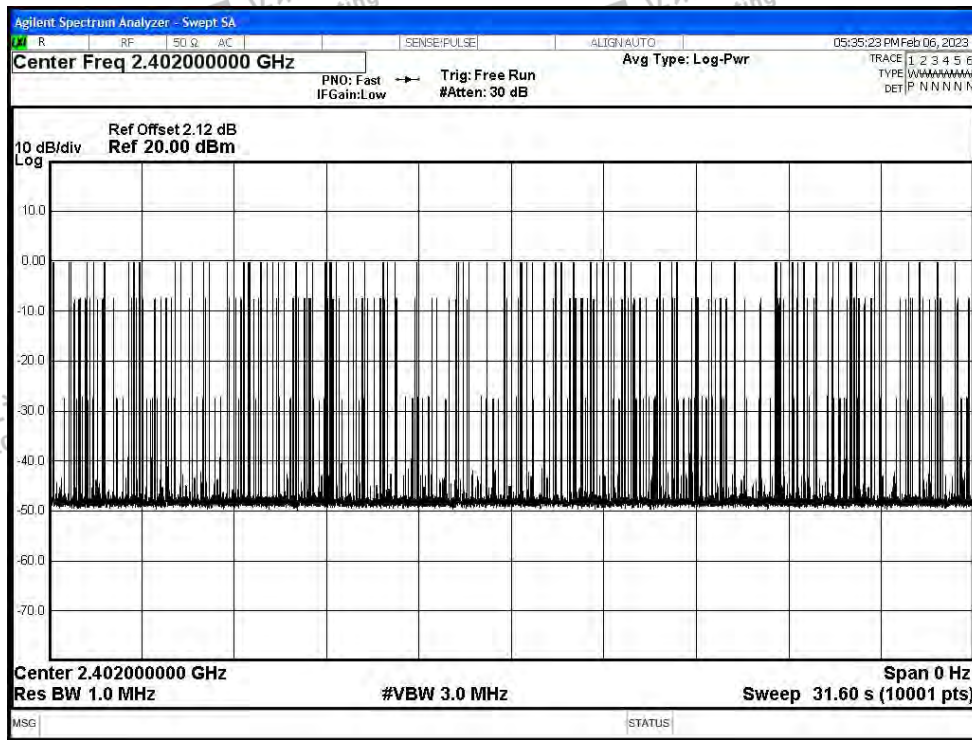


Test Graphs

Dwell-NVNT 1-DH5 2402MHz Ant1 One Burst

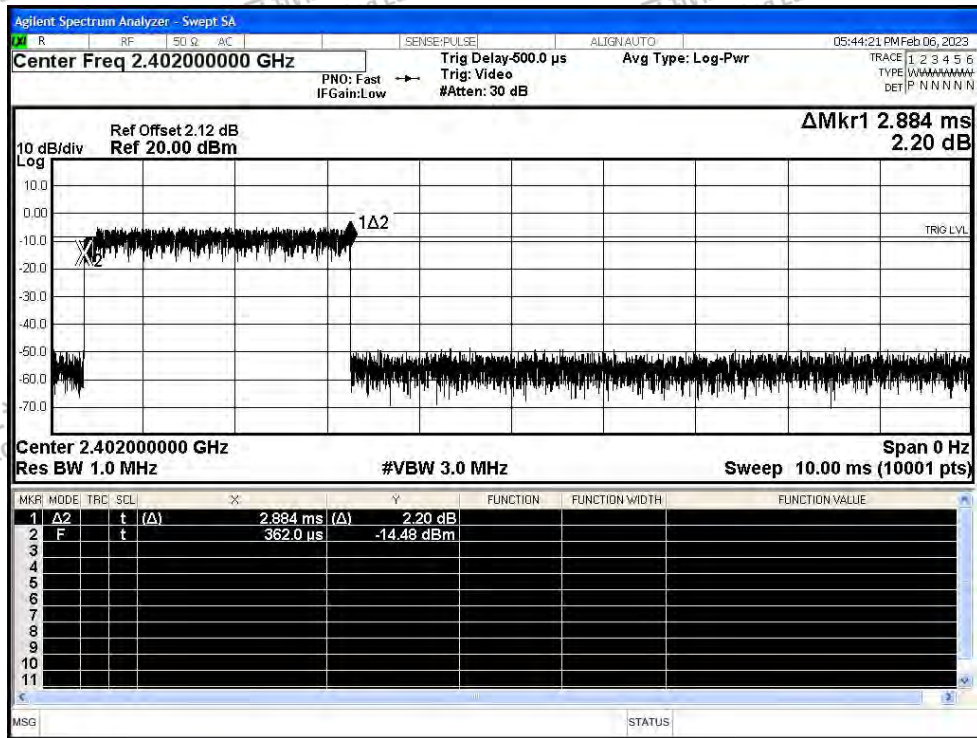


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

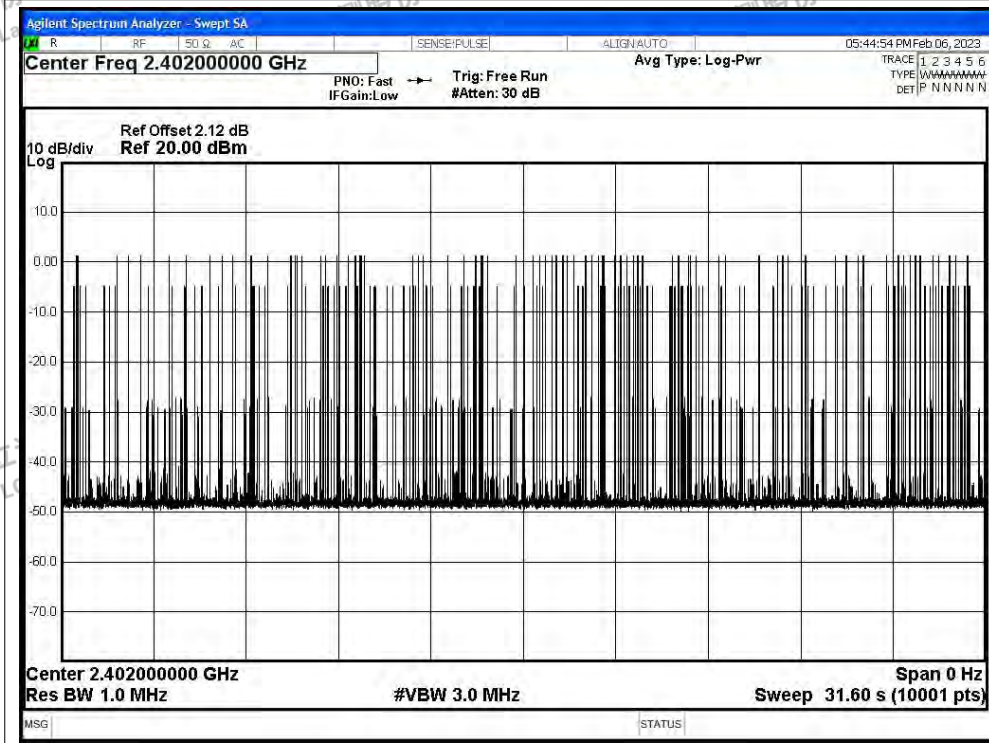




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

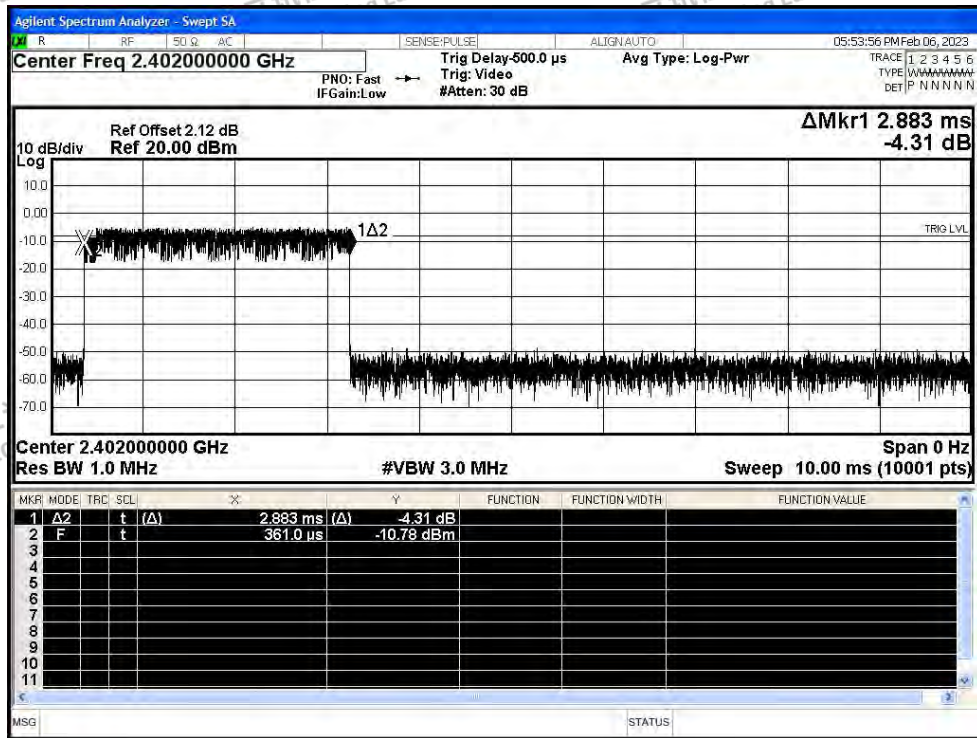


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

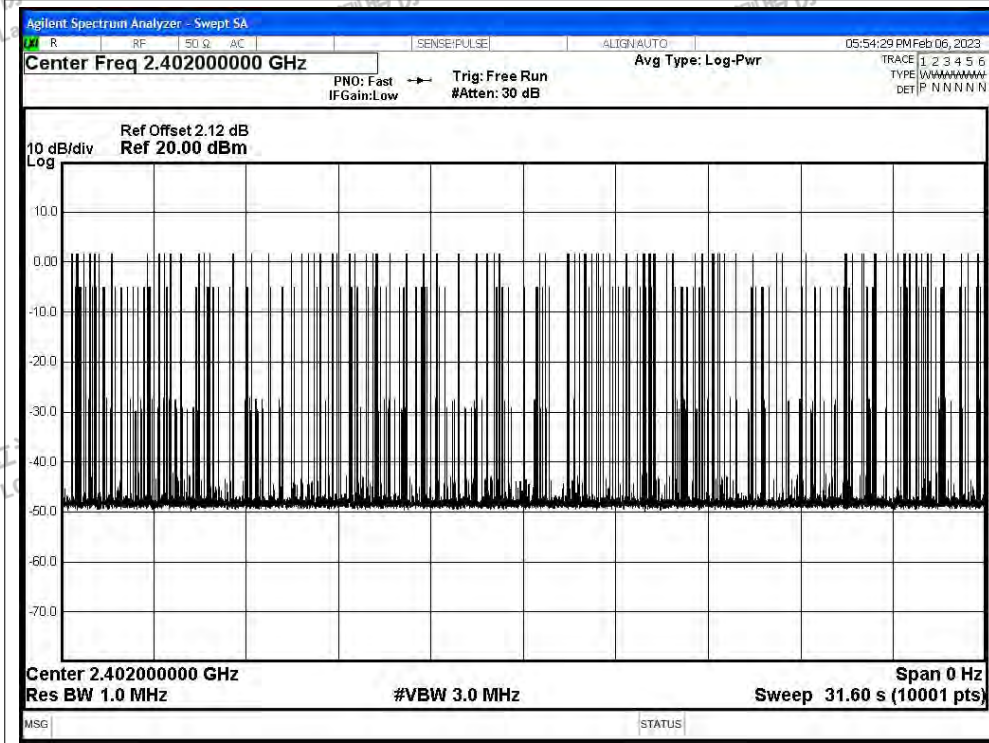




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



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

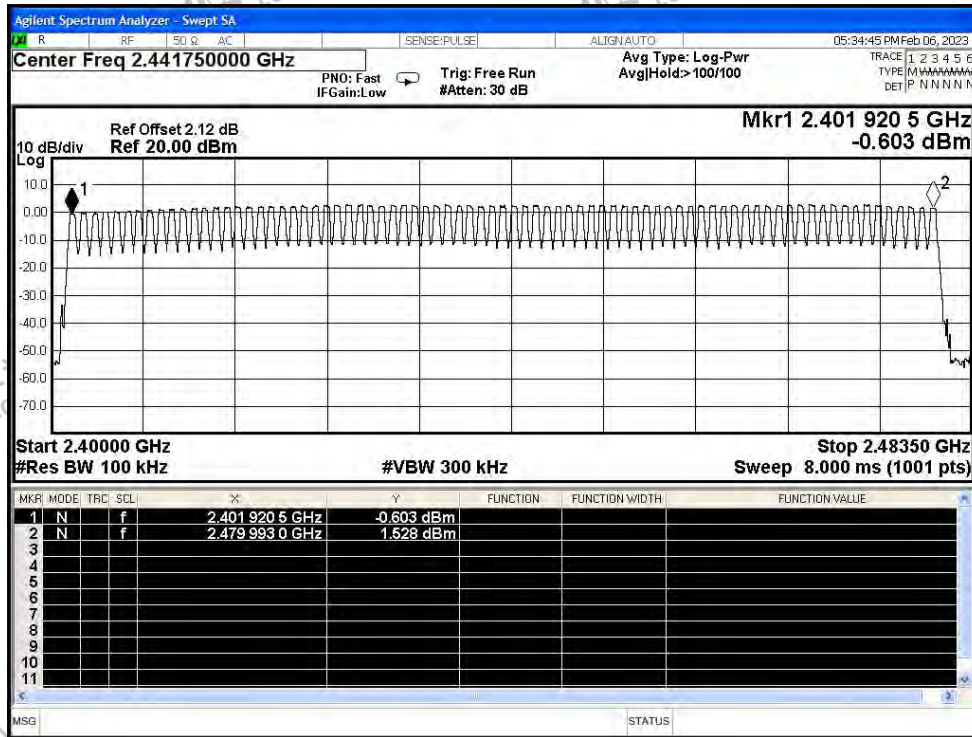


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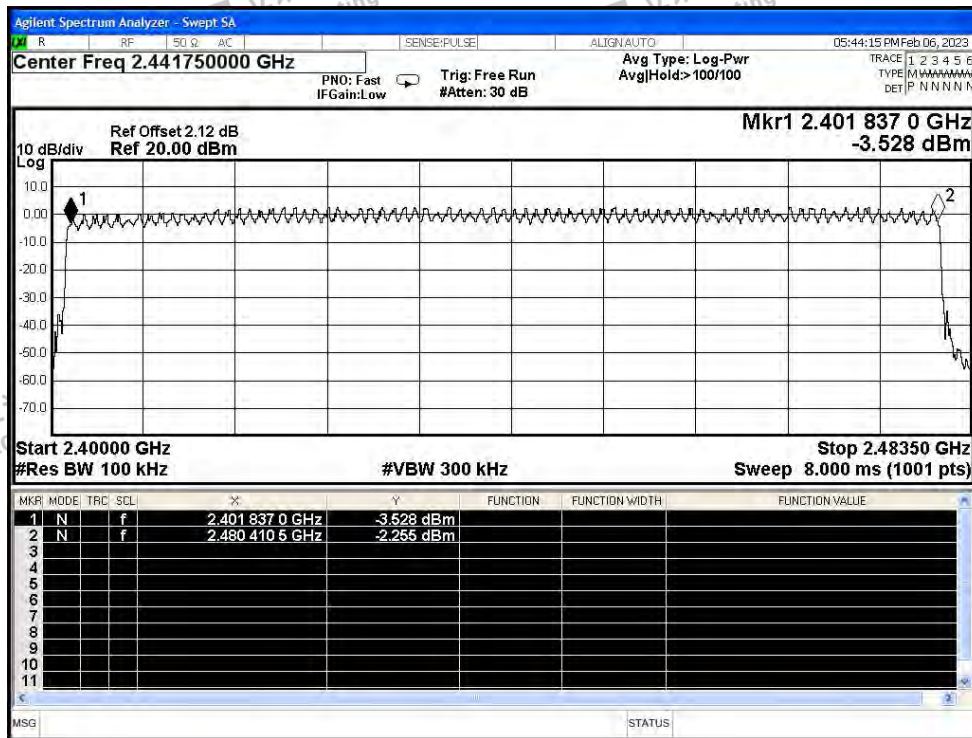


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

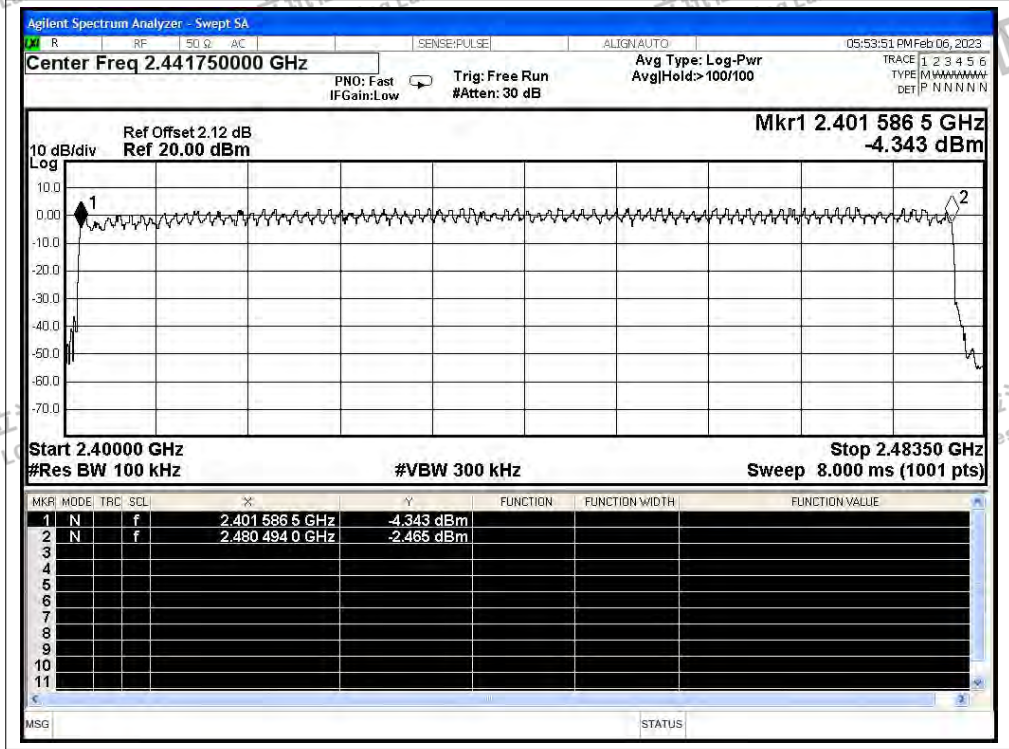


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1



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A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-53.11	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.04	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-52.72	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.99	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-53.87	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-55.9	-20	Pass

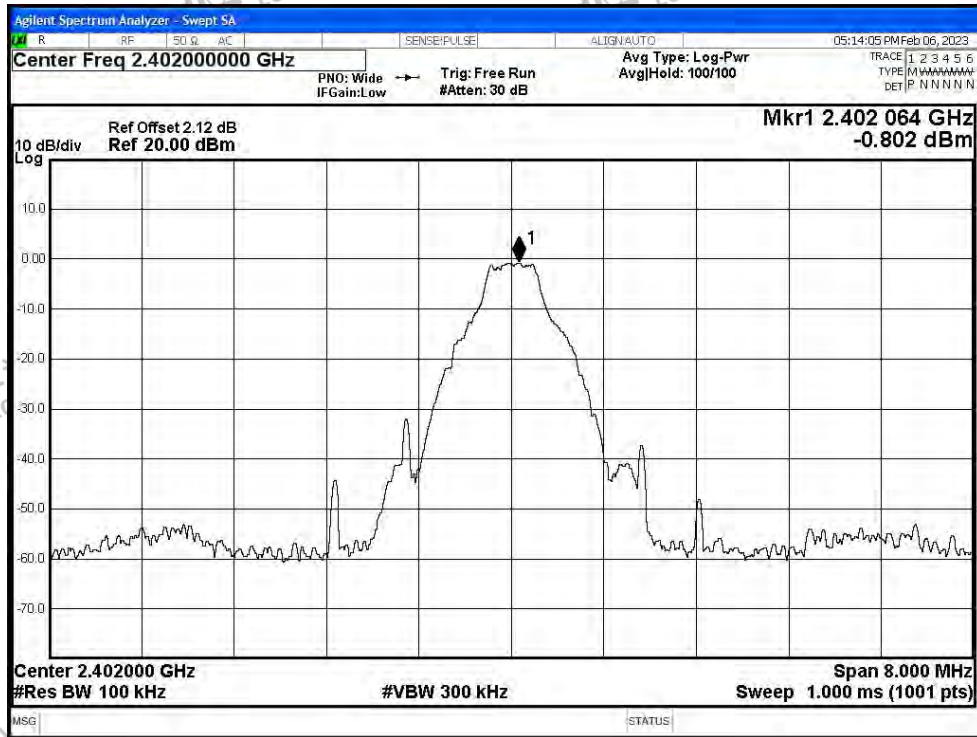


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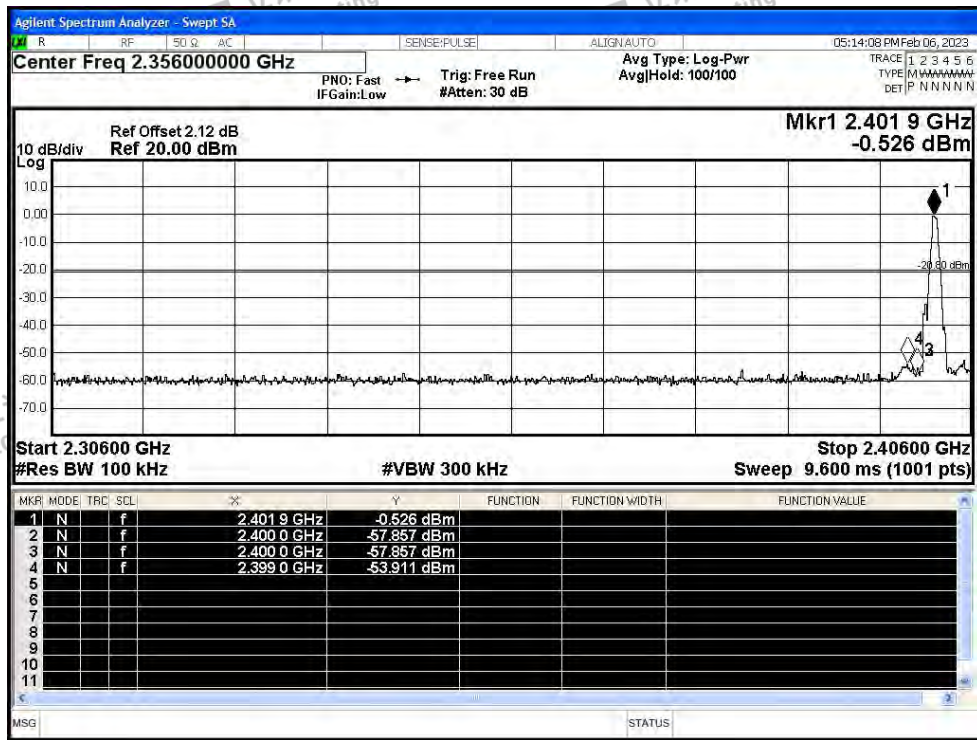


Test Graphs

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

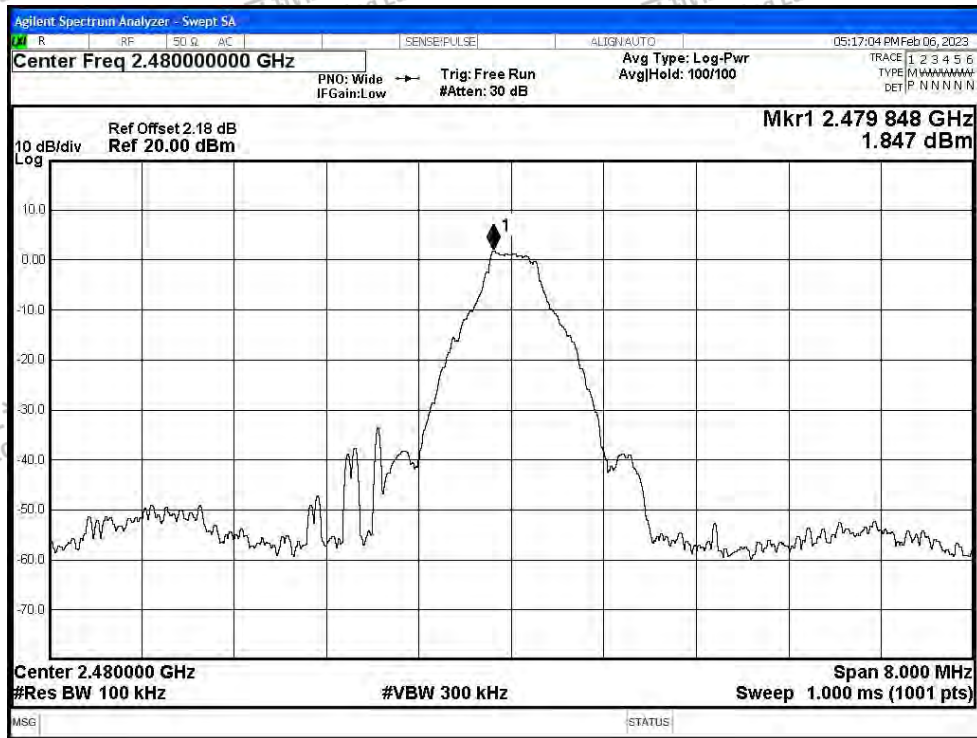


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

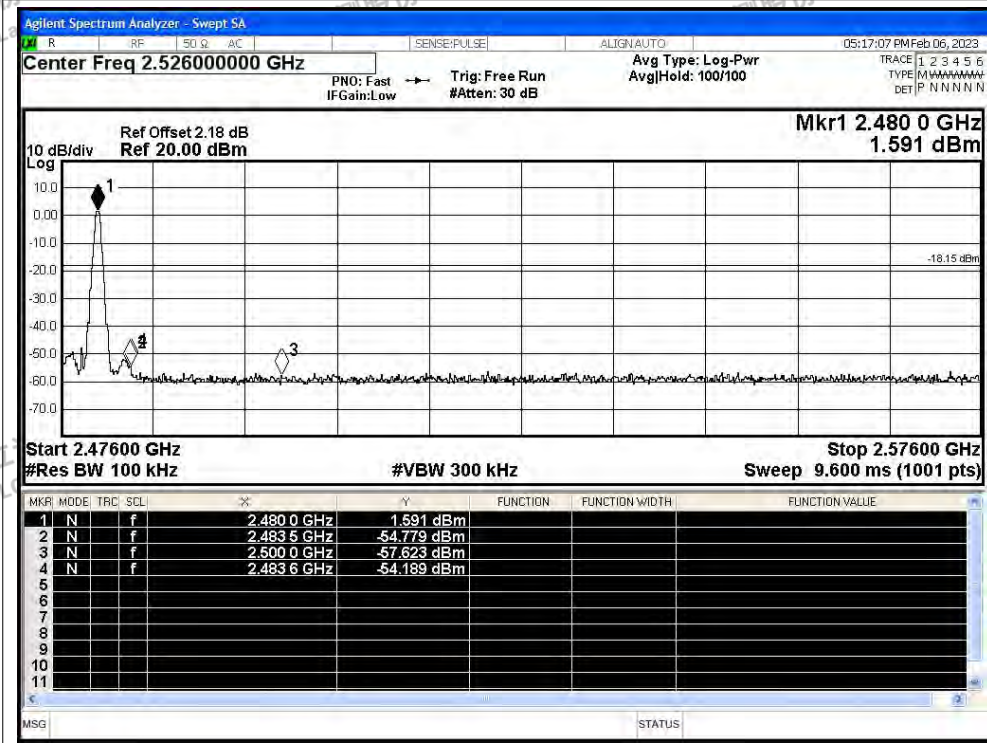




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

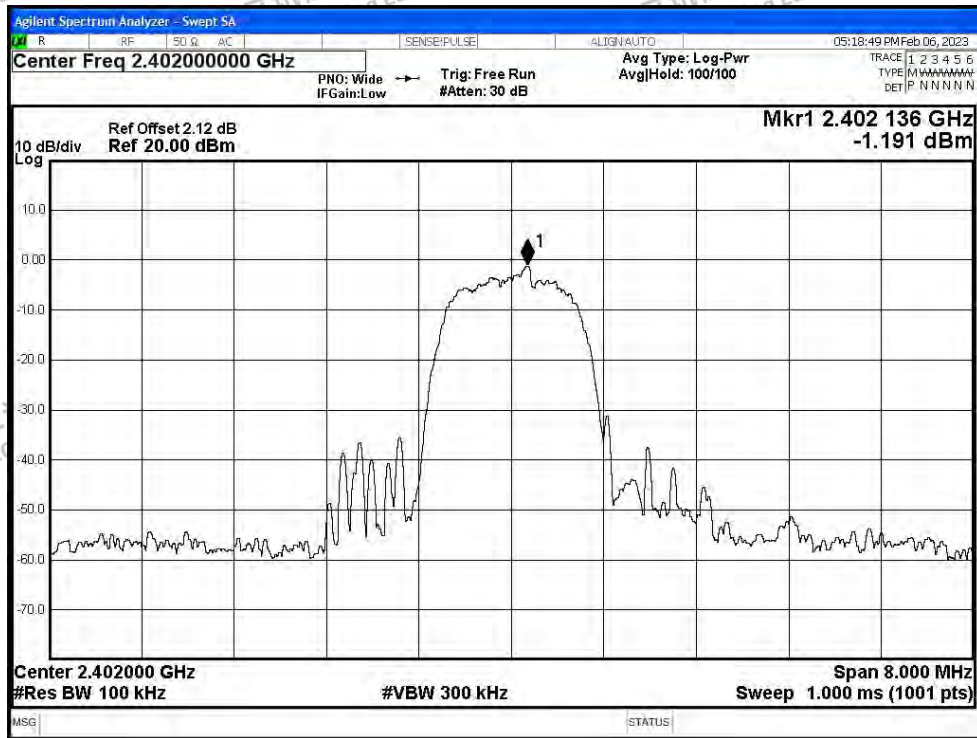


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

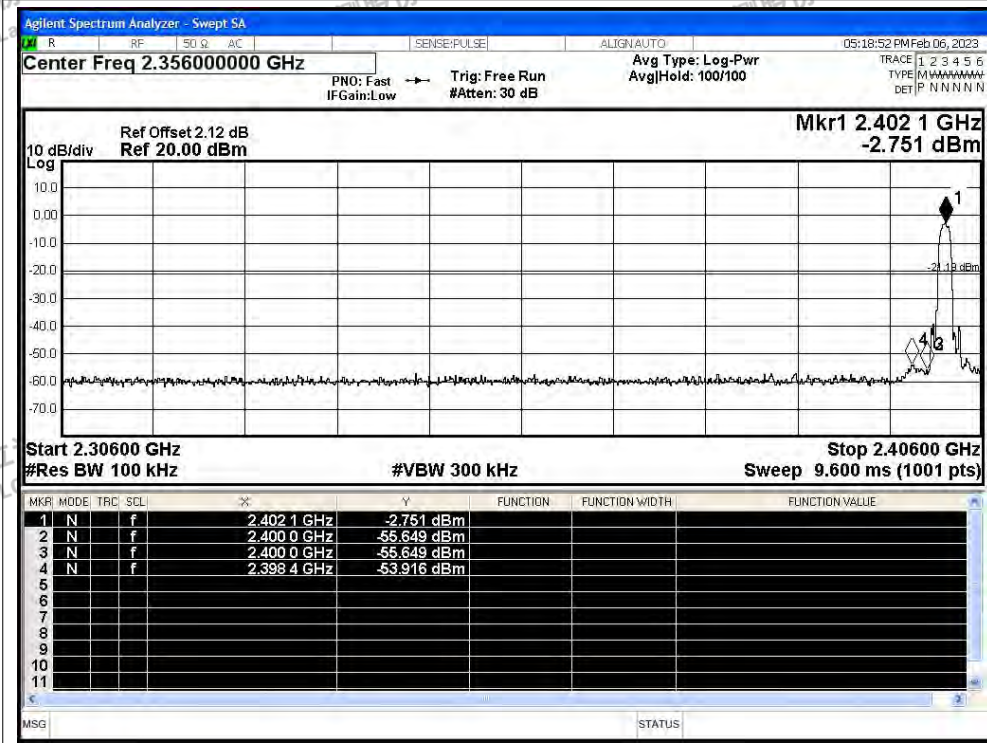




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

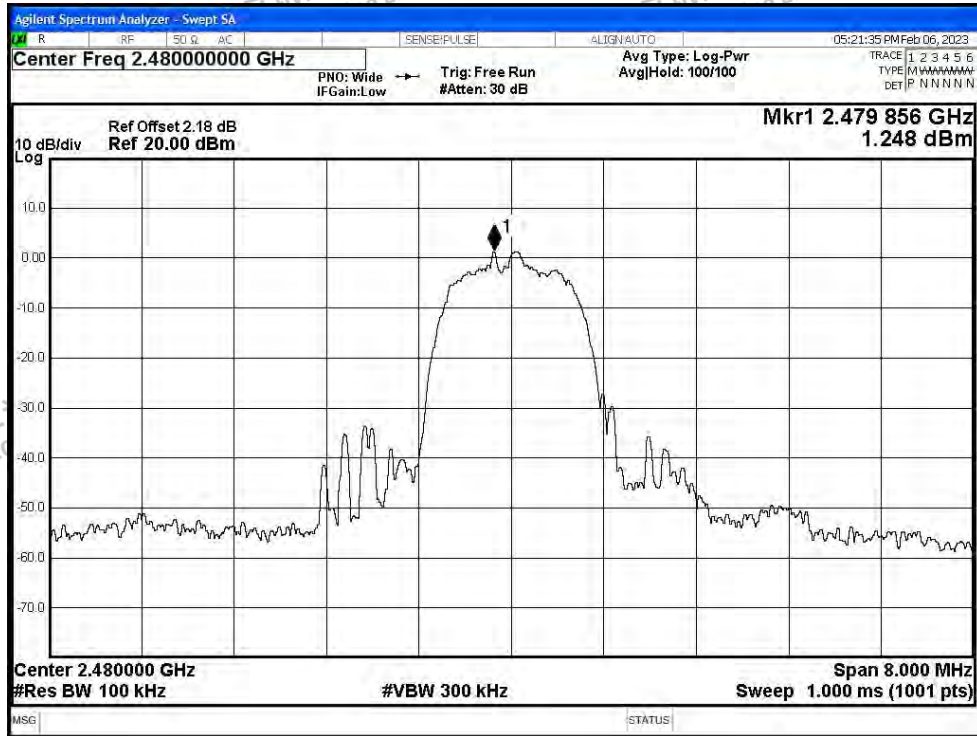


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

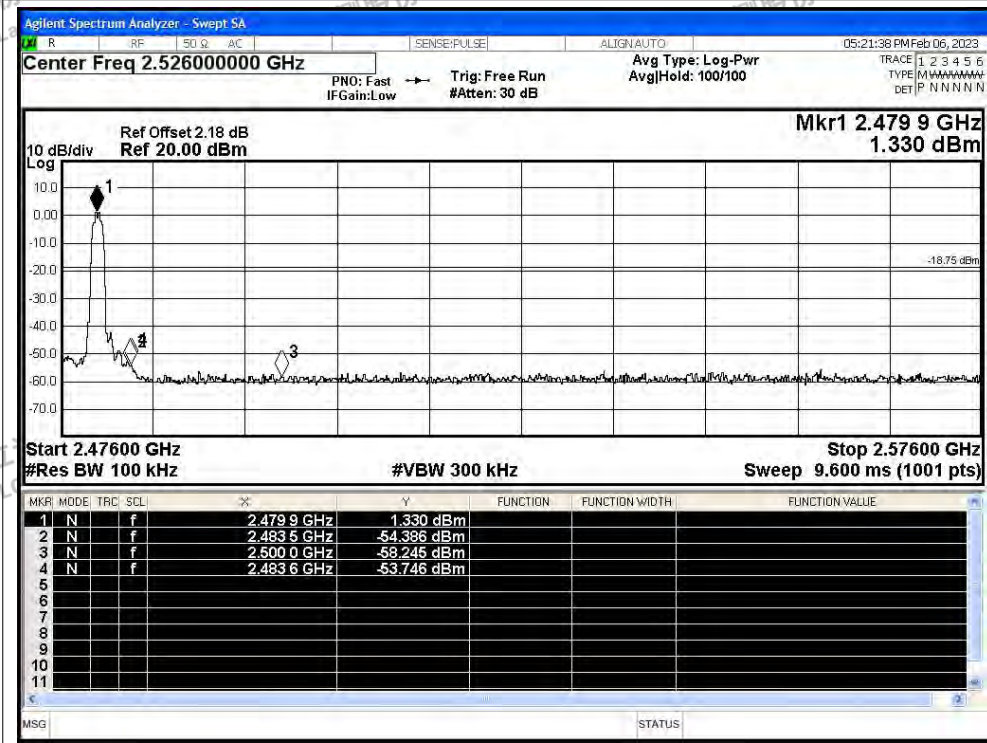




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

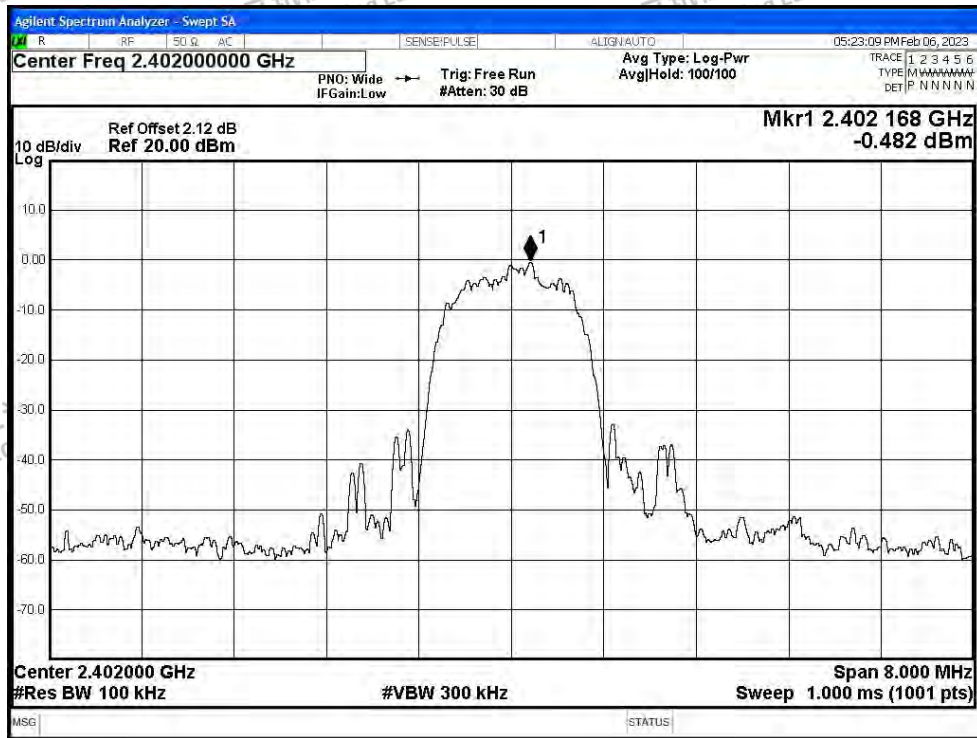


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

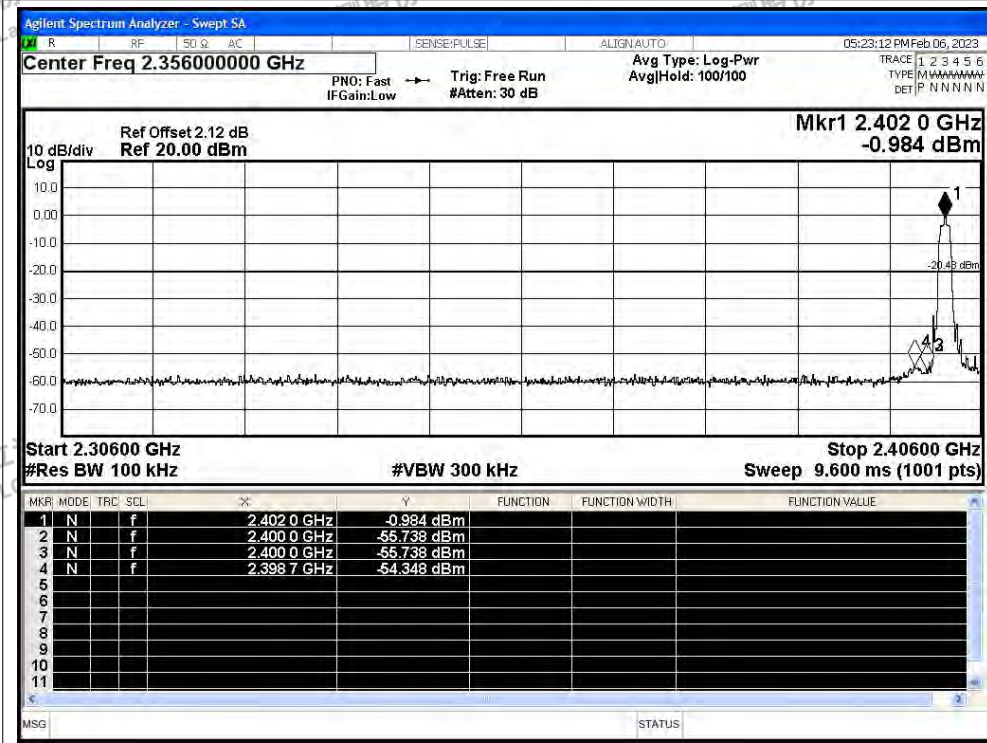




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

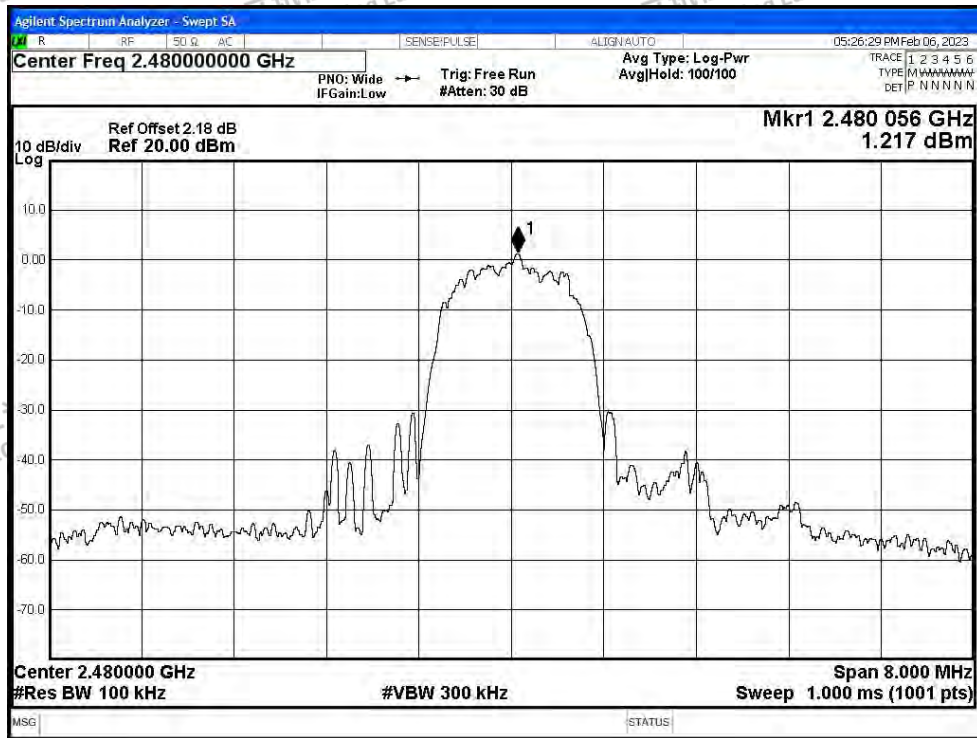


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

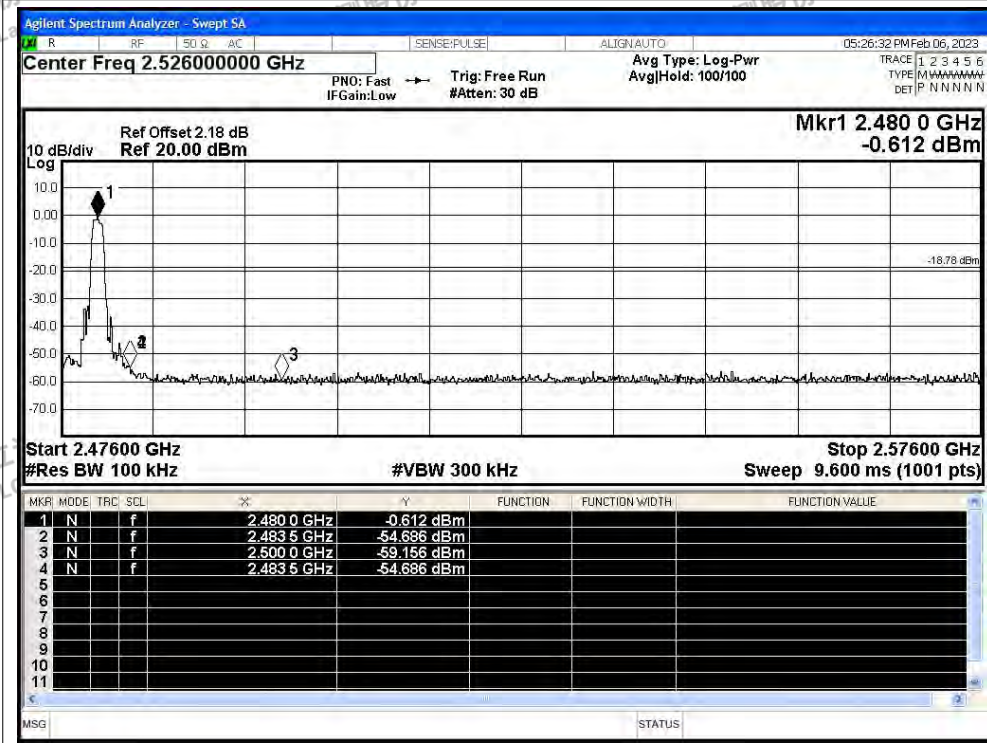




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-55.2	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-57.76	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-55.01	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-56.69	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.32	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.75	-20	Pass

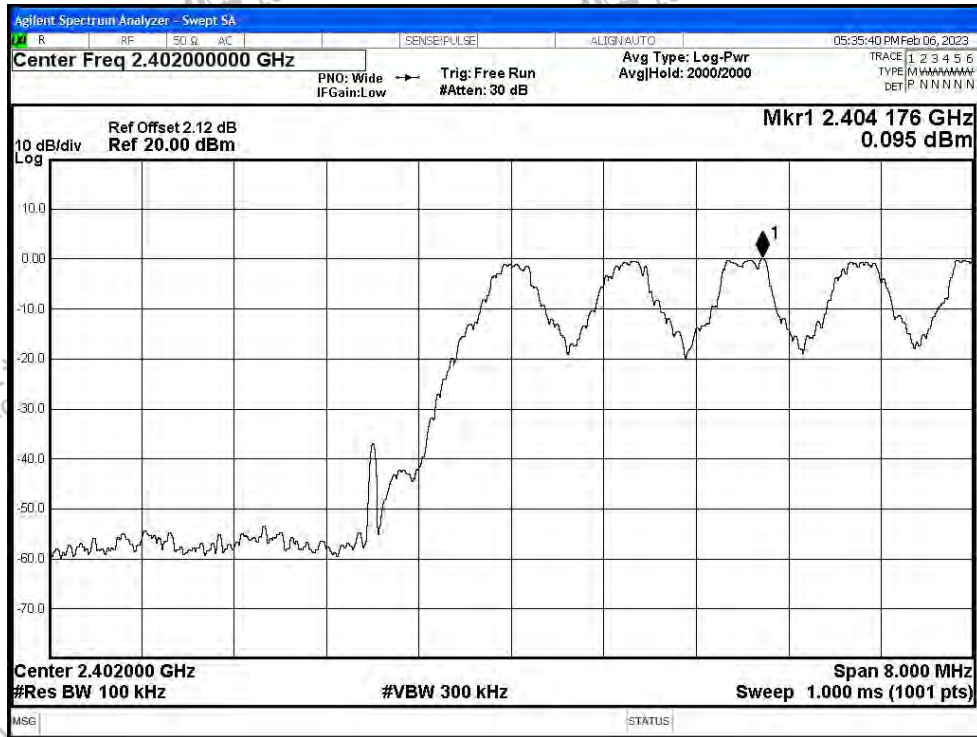


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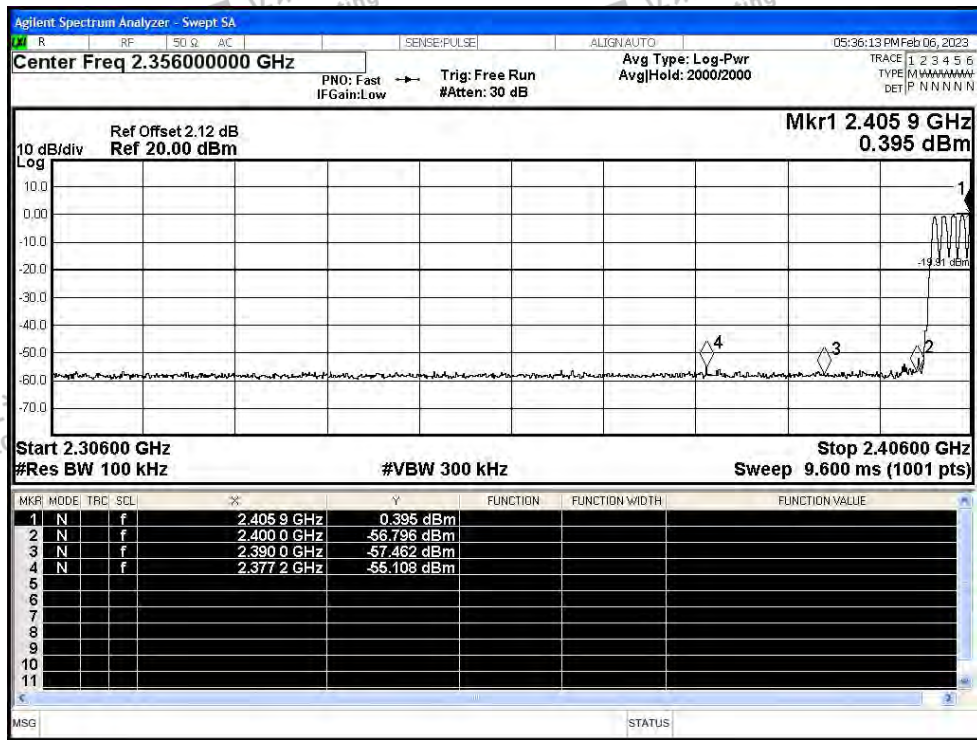


Test Graphs

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

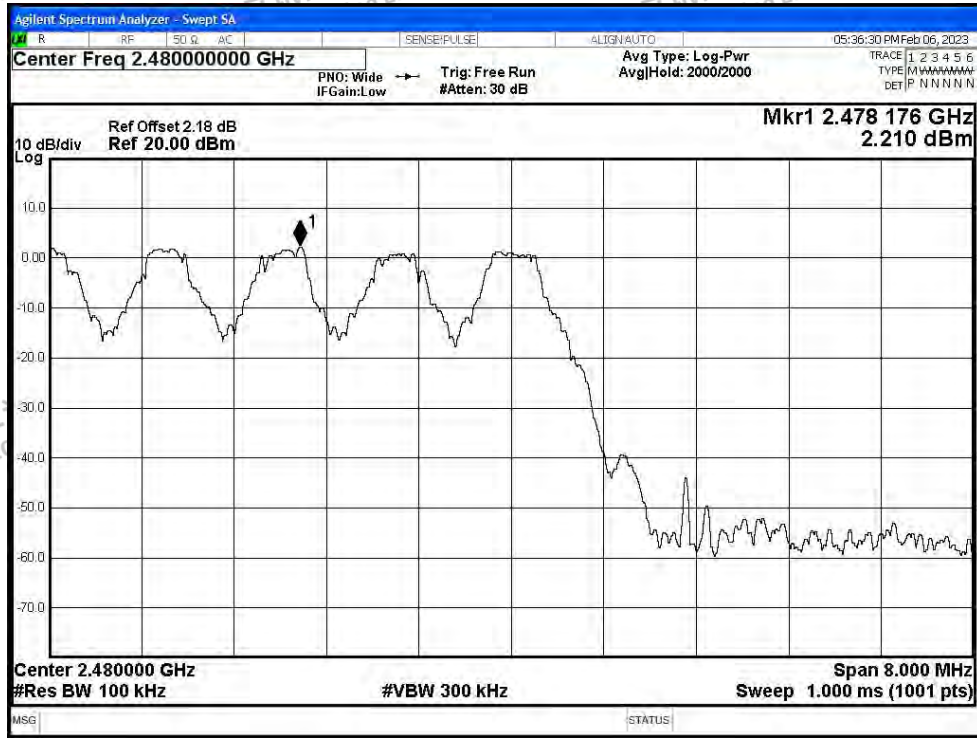


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

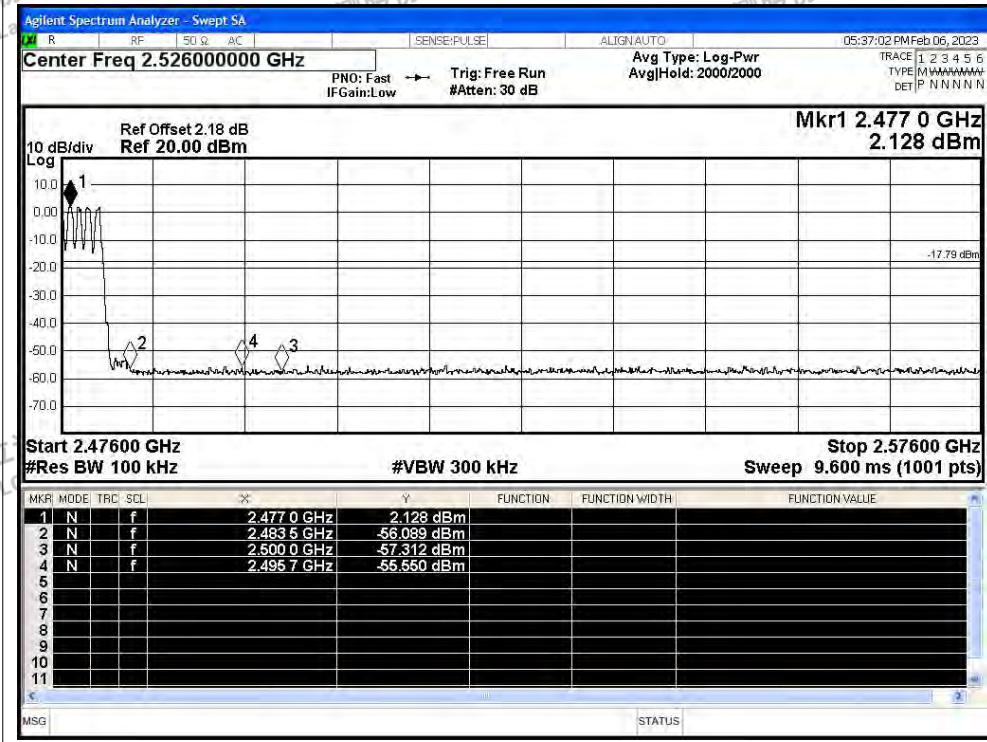




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

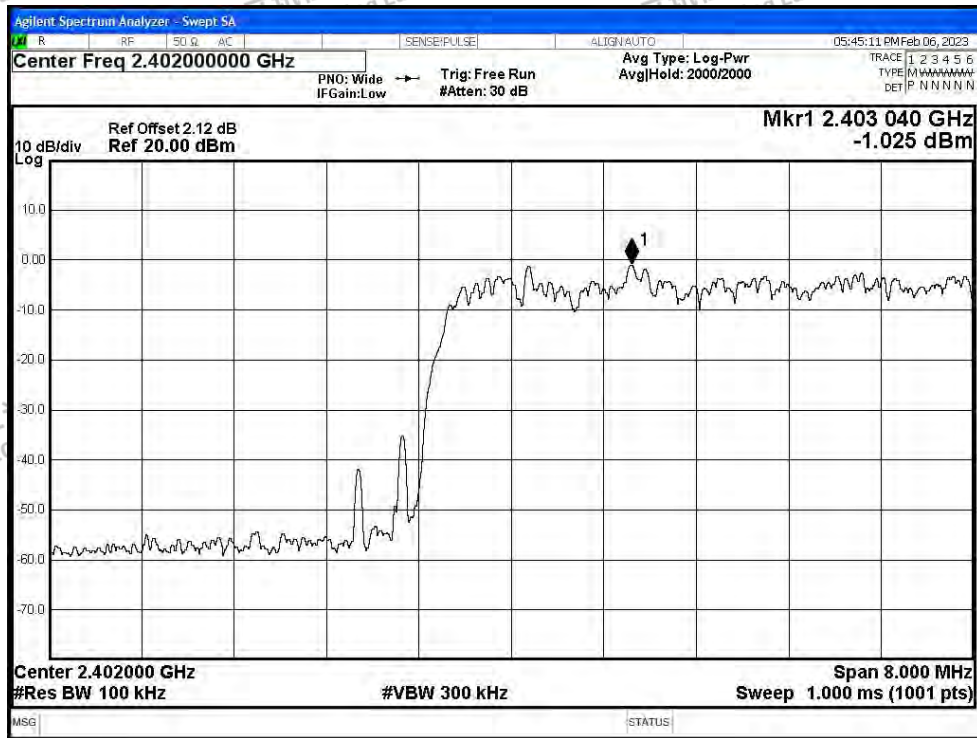


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

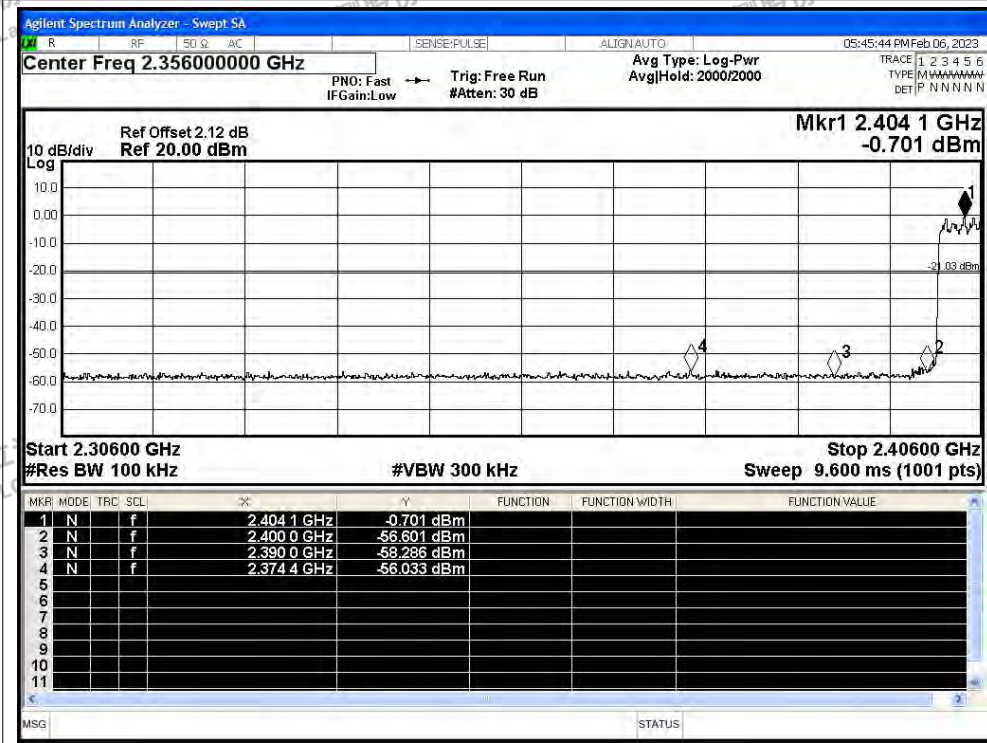




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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

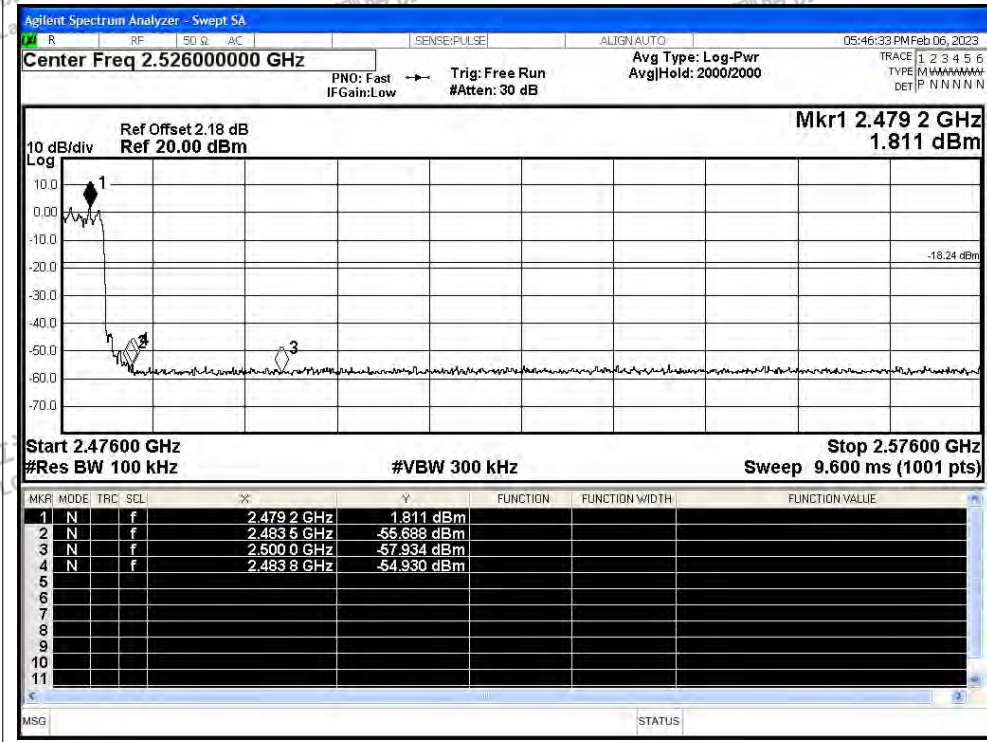




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

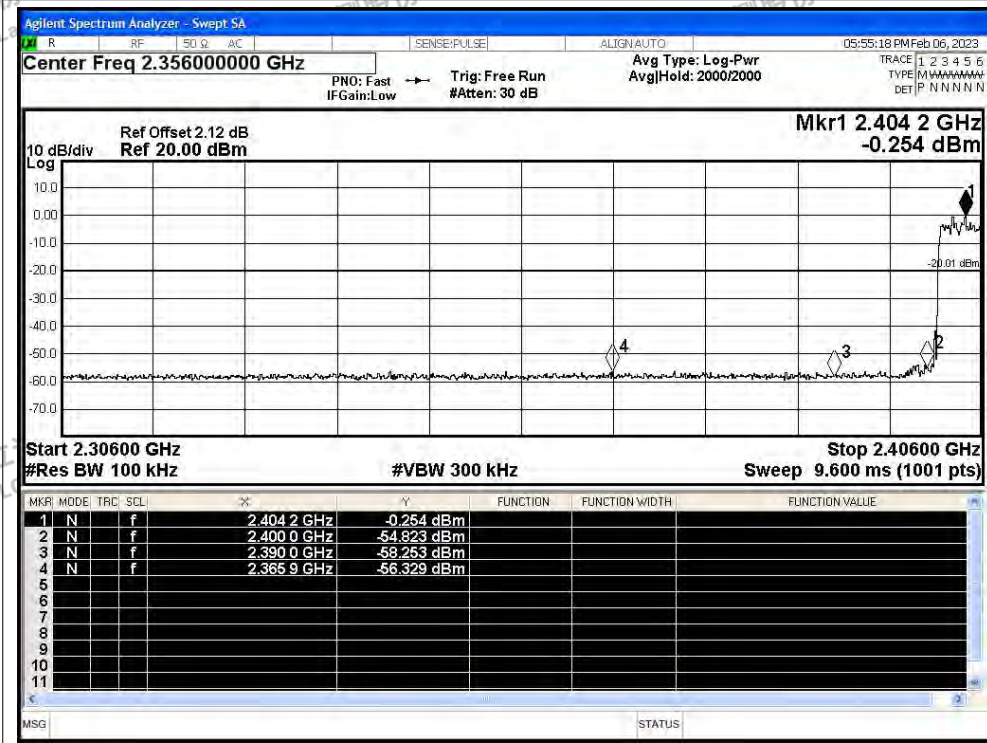




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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

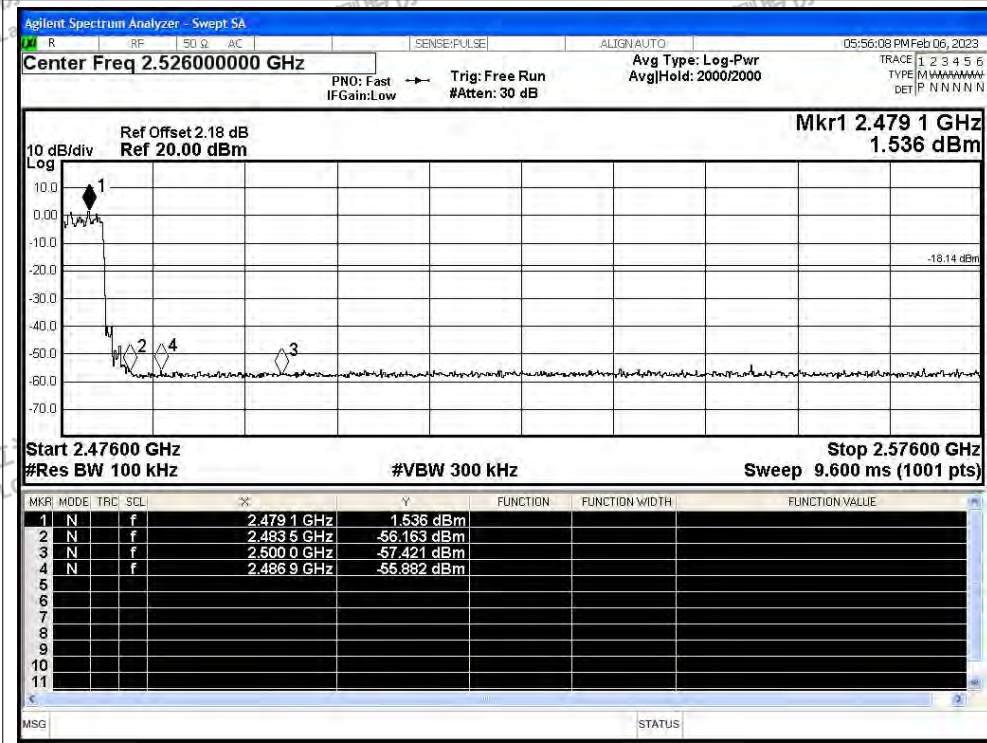




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-54.06	-20	Pass
NVNT	1-DH5	2441	Ant1	-57.59	-20	Pass
NVNT	1-DH5	2480	Ant1	-56.82	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.51	-20	Pass
NVNT	2-DH5	2441	Ant1	-57.55	-20	Pass
NVNT	2-DH5	2480	Ant1	-55.48	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.64	-20	Pass
NVNT	3-DH5	2441	Ant1	-57.1	-20	Pass
NVNT	3-DH5	2480	Ant1	-57.17	-20	Pass

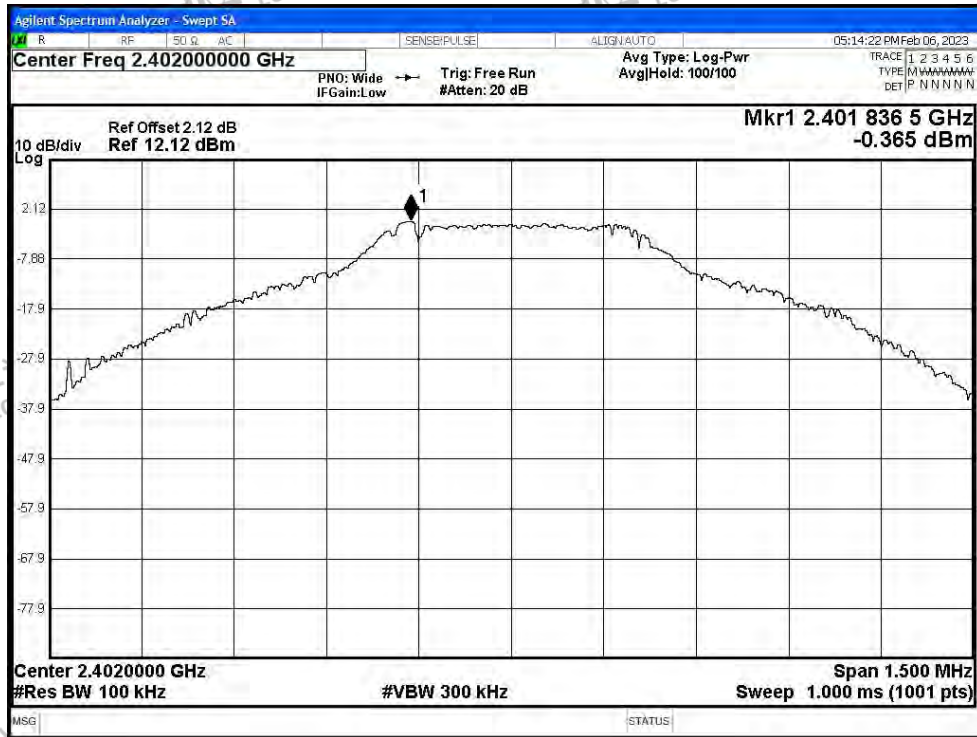


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 Scan code to check authenticity

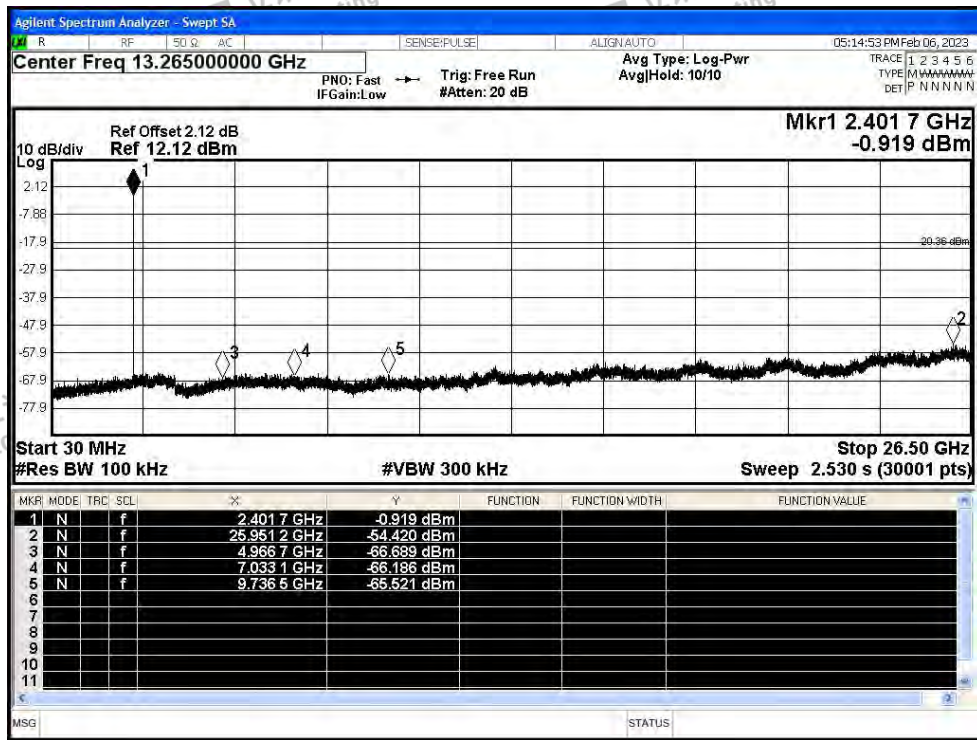


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

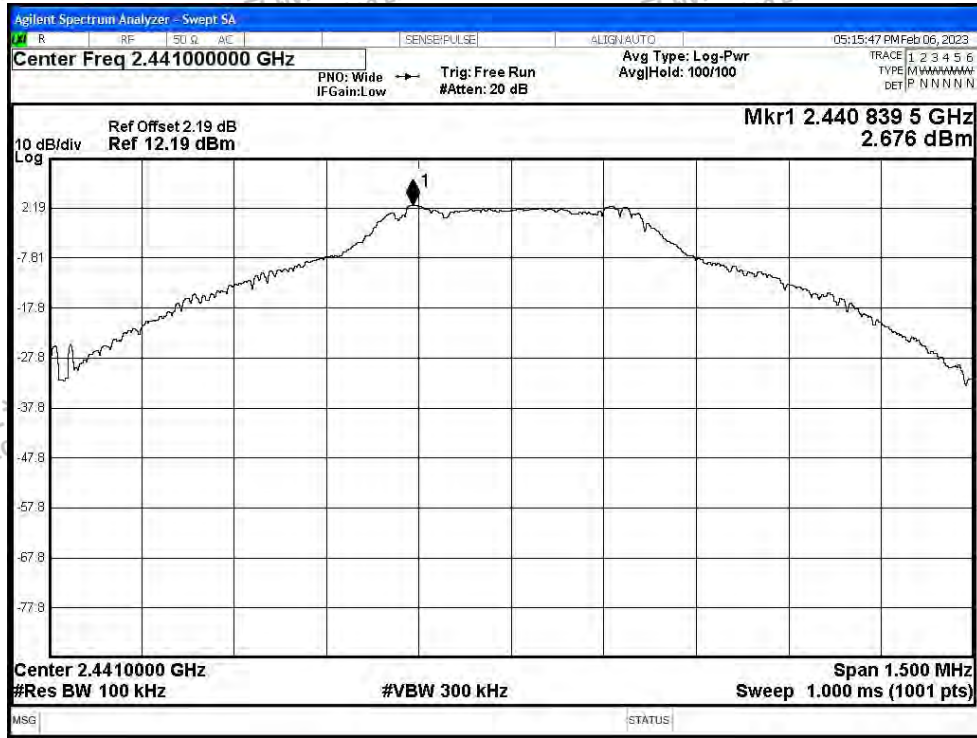


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

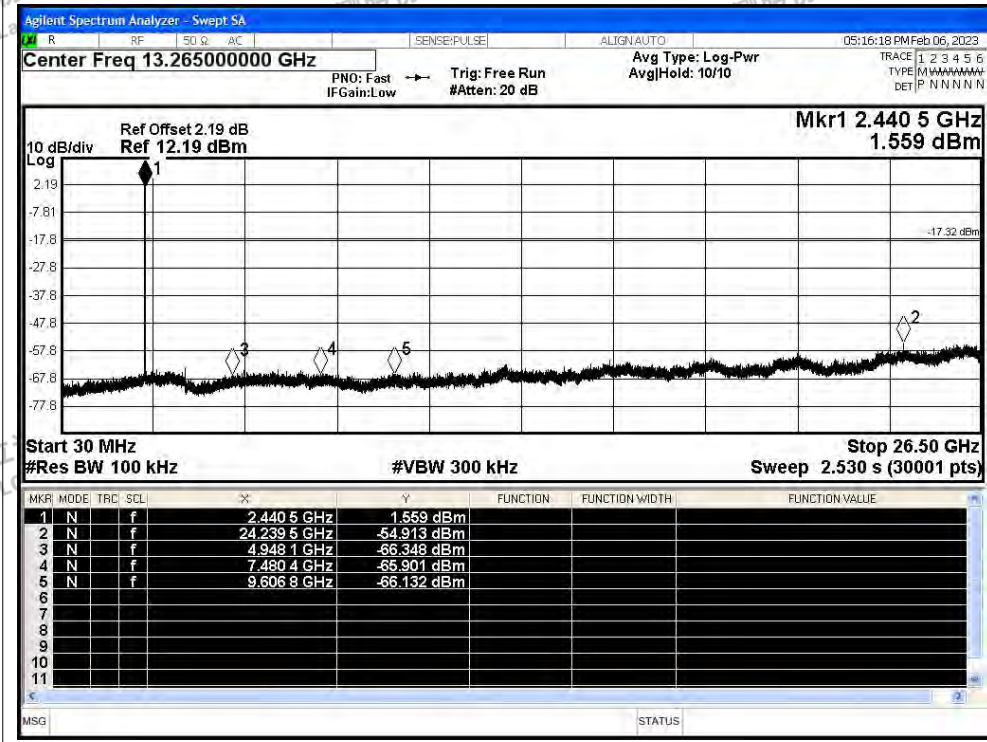




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

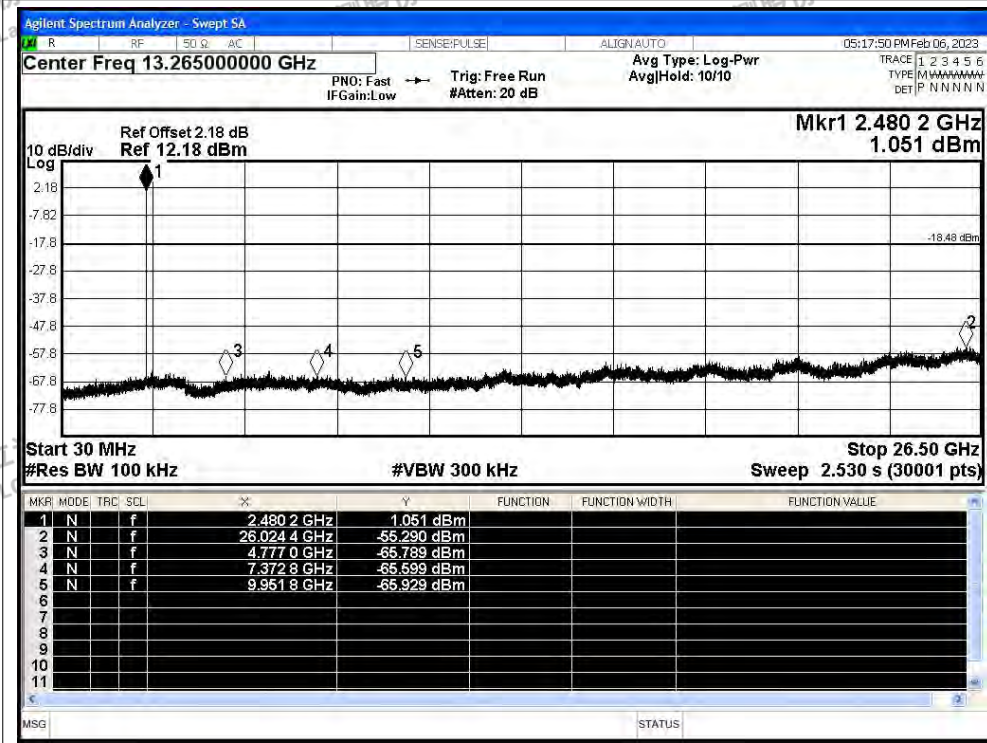




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

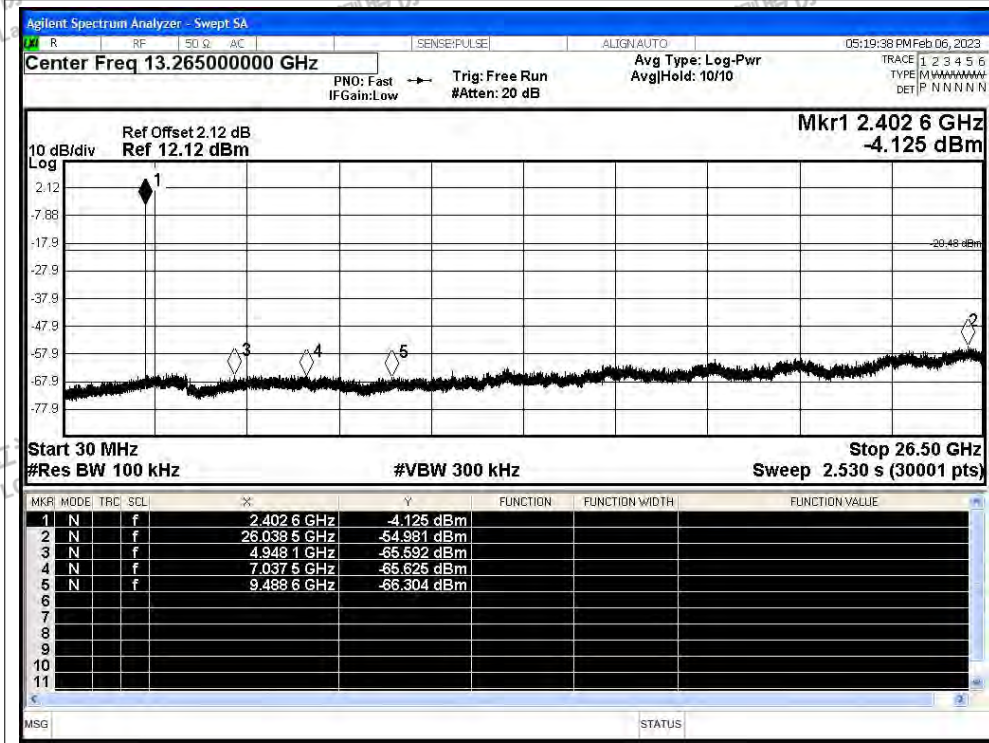




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

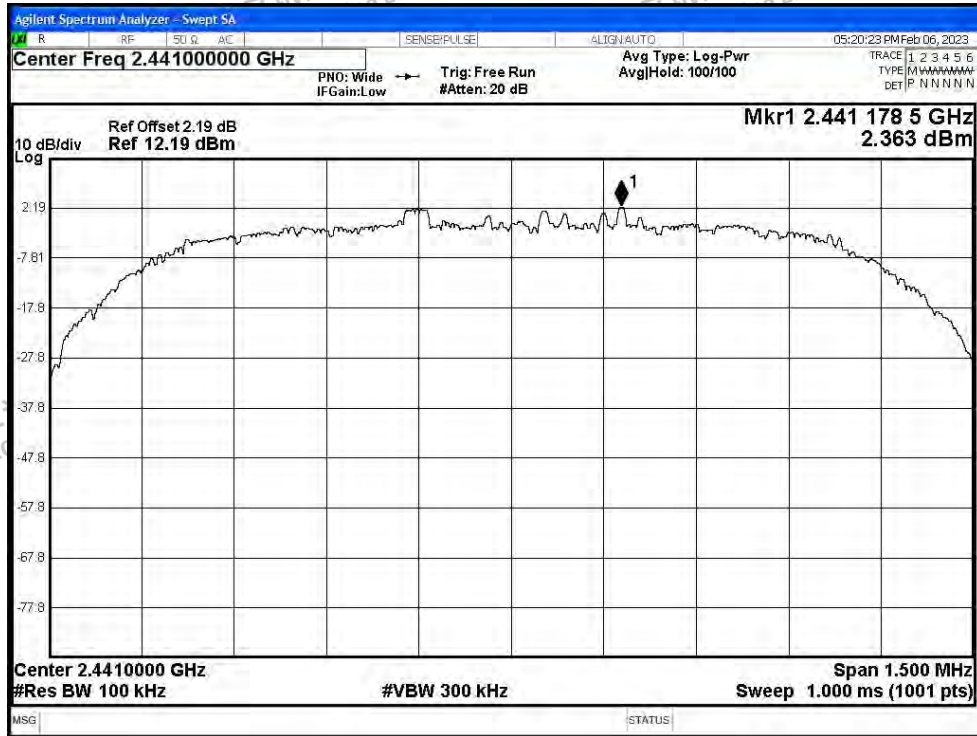


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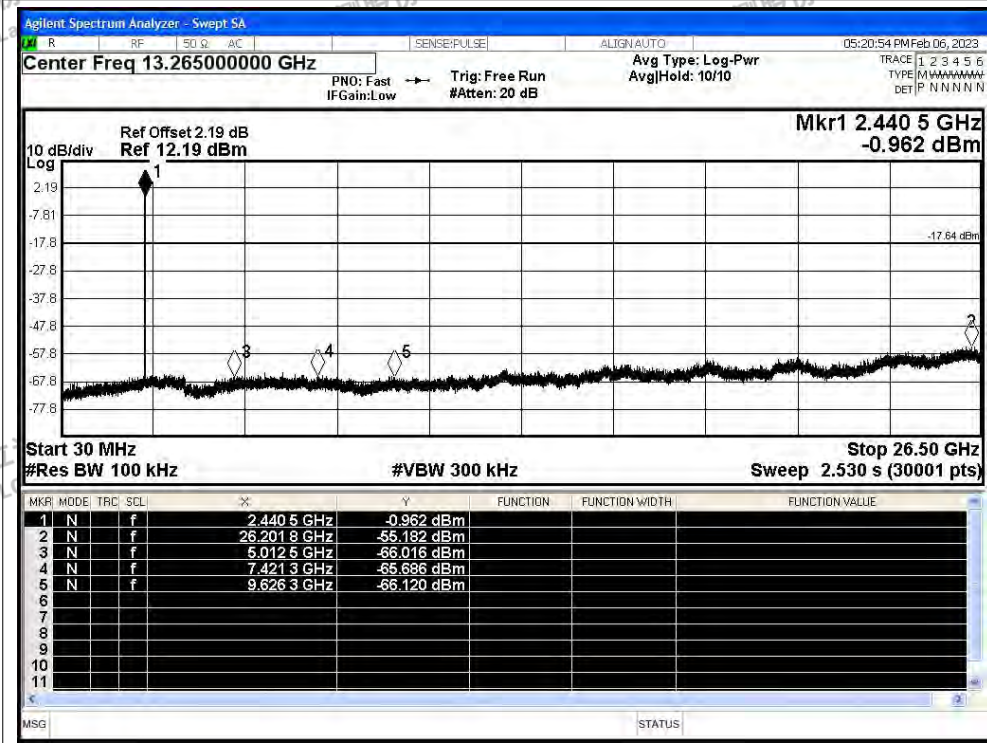




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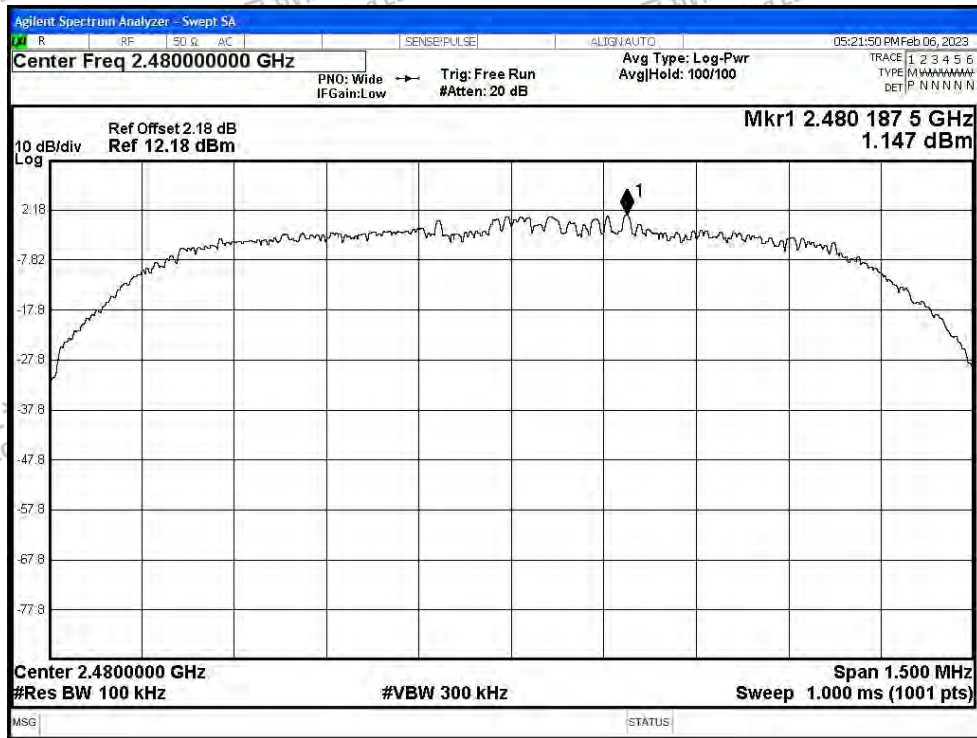


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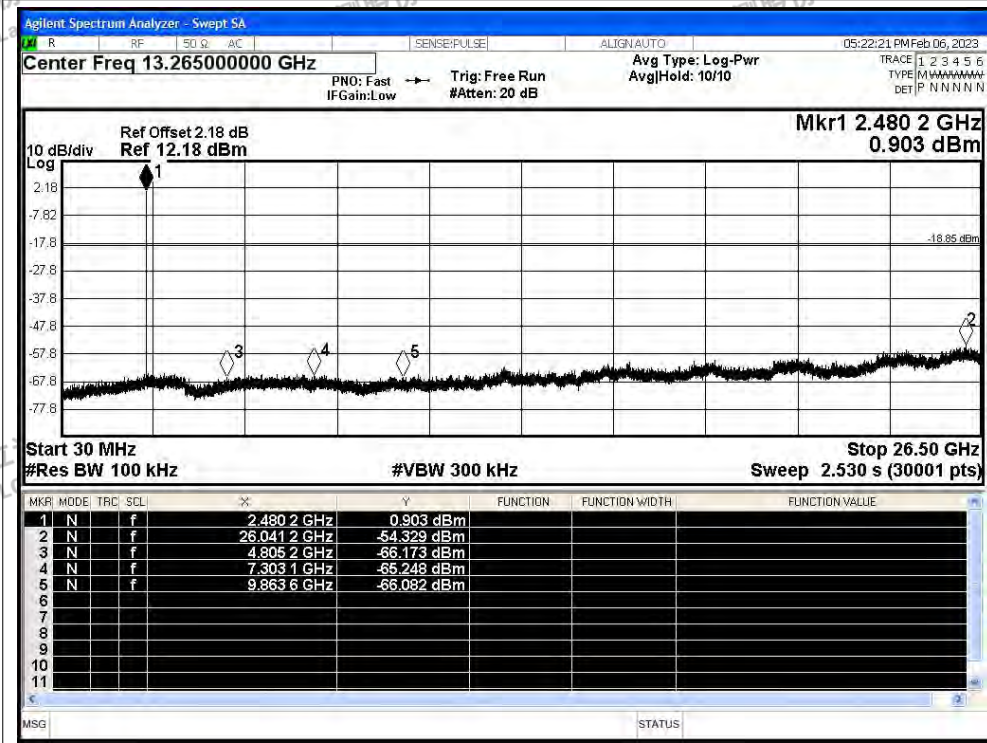




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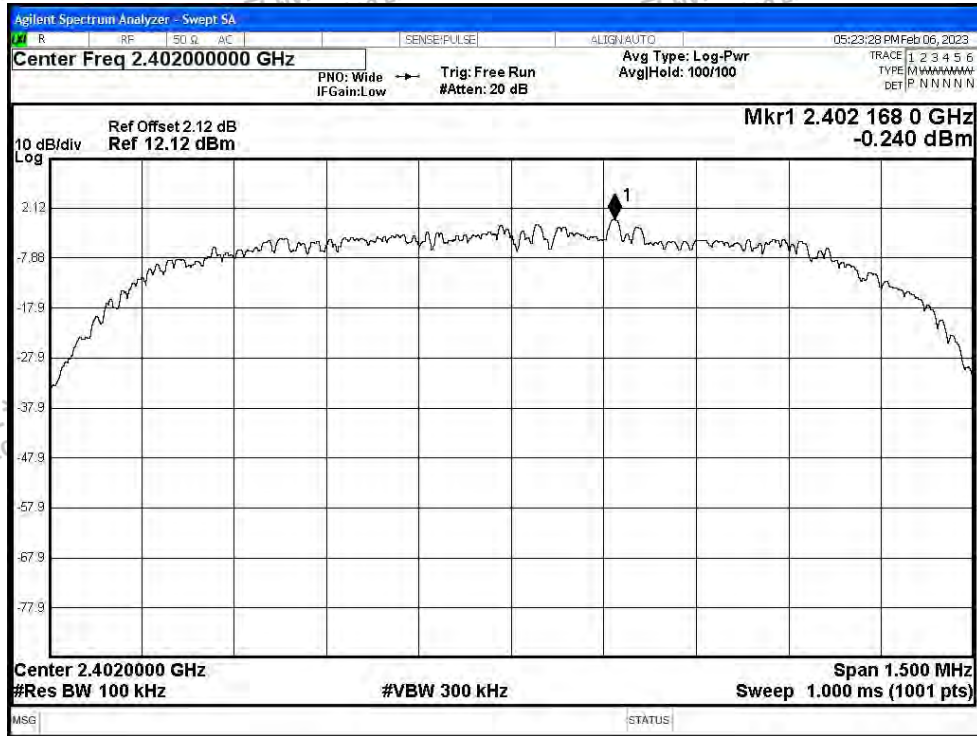


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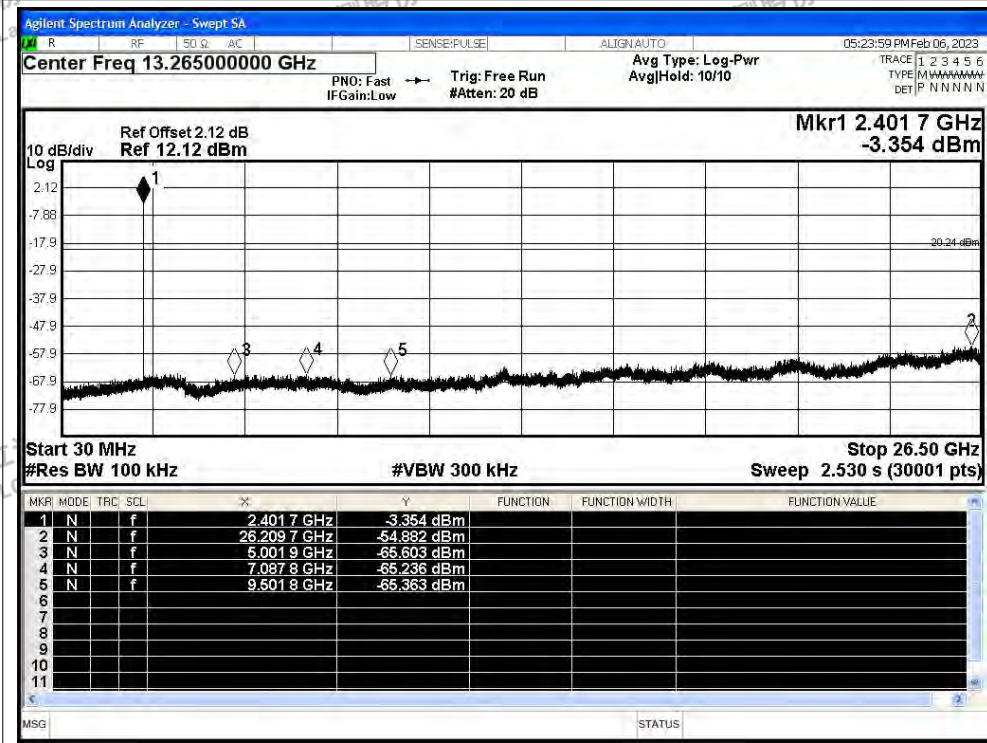




Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

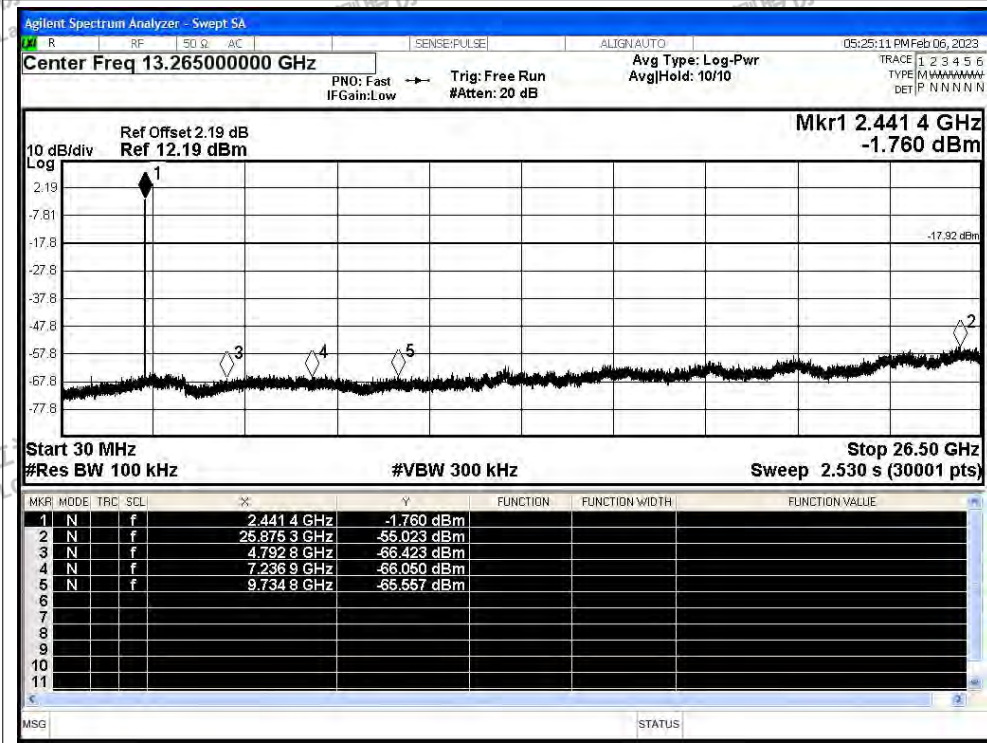




Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

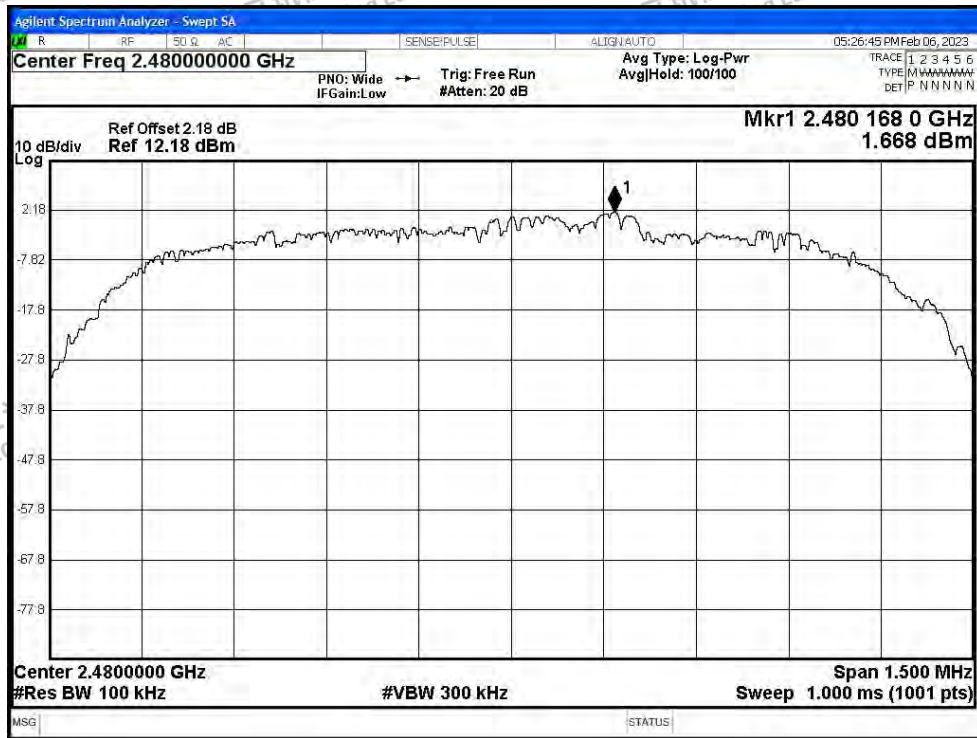


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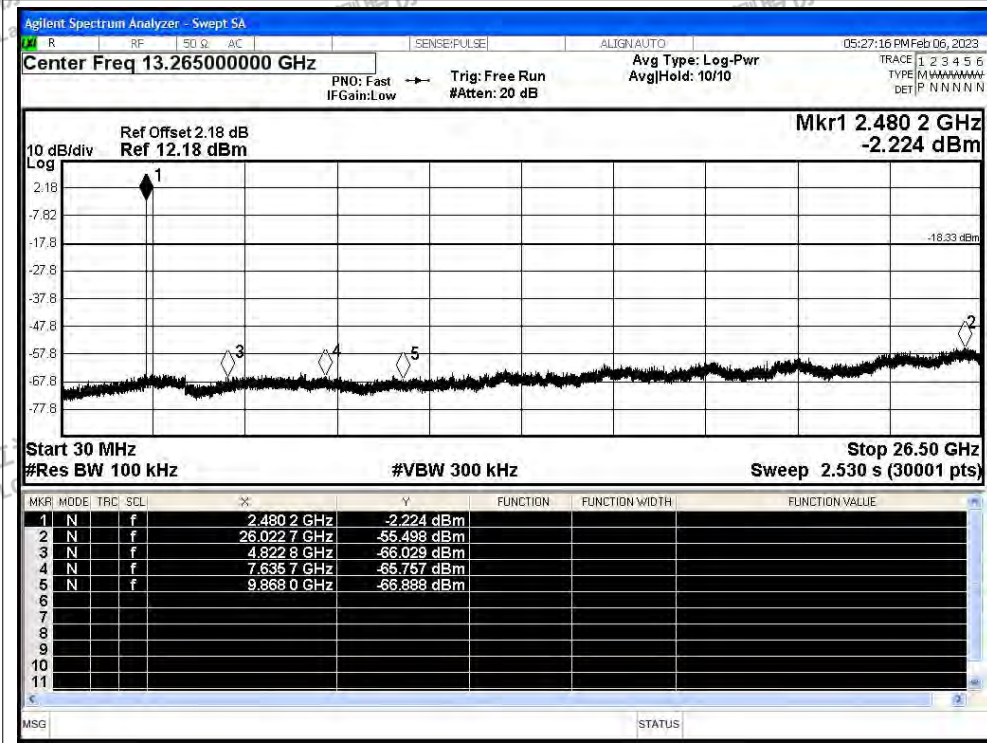




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



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	-48.43	2	48.83	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.22	2	37.04	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2319.888	-47.72	2	49.54	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2381.52	-59.75	2	37.51	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.14	2	47.12	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.89	2	37.37	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-46.11	2	51.15	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-54.94	2	42.32	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.776	-44.34	2	52.92	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-54.94	2	42.32	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.28	2	46.98	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-59.45	2	37.81	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.05	2	46.21	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.21	2	37.05	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2384.4	-46.64	2	50.62	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.28	-59.75	2	37.51	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.15	2	47.11	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.92	2	37.34	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-45.8	2	51.46	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.48	2	41.78	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.968	-44.34	2	52.92	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.48	2	41.78	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.68	2	48.58	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.68	2	37.58	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.36	2	46.9	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.29	2	36.97	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2324.496	-47.17	2	50.09	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2377.776	-59.74	2	37.52	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.29	2	47.97	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.89	2	37.37	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-45.39	2	51.87	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-56.07	2	41.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.632	-44.06	2	53.2	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-56.07	2	41.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-48.72	2	48.54	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-59.57	2	37.69	Average	54	Pass

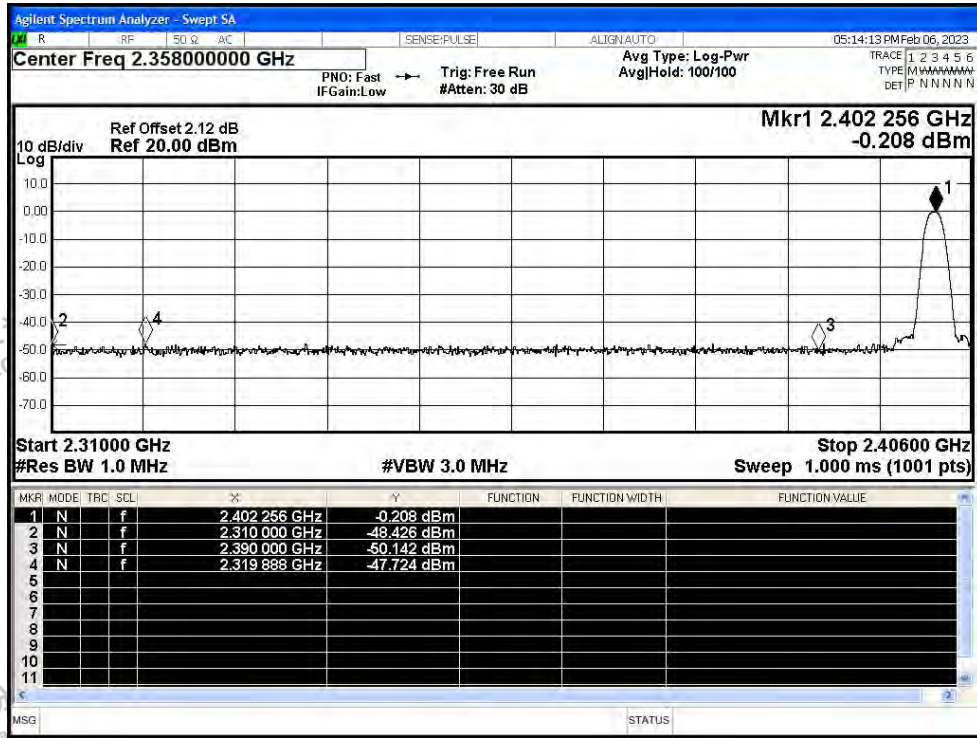


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 Scan code to check authenticity

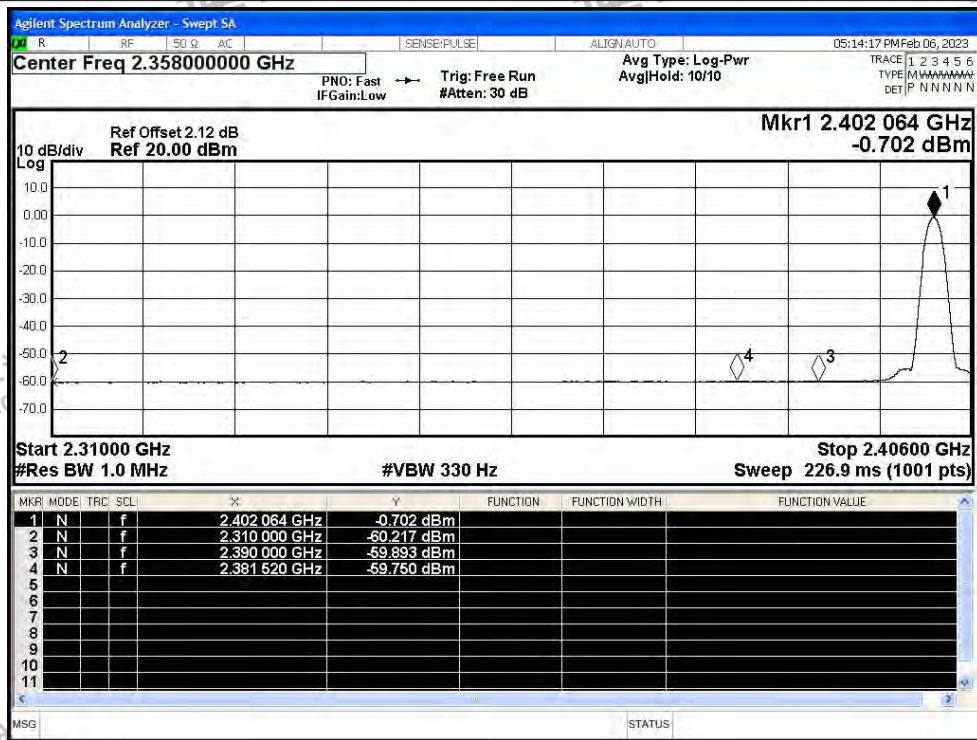


Test Graphs

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

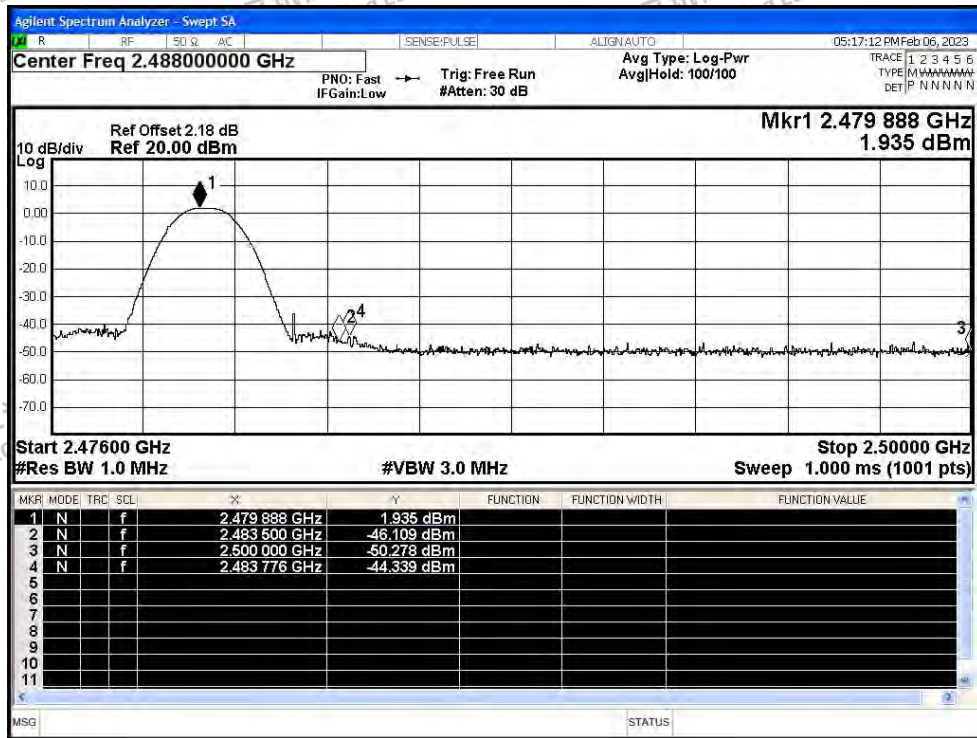


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

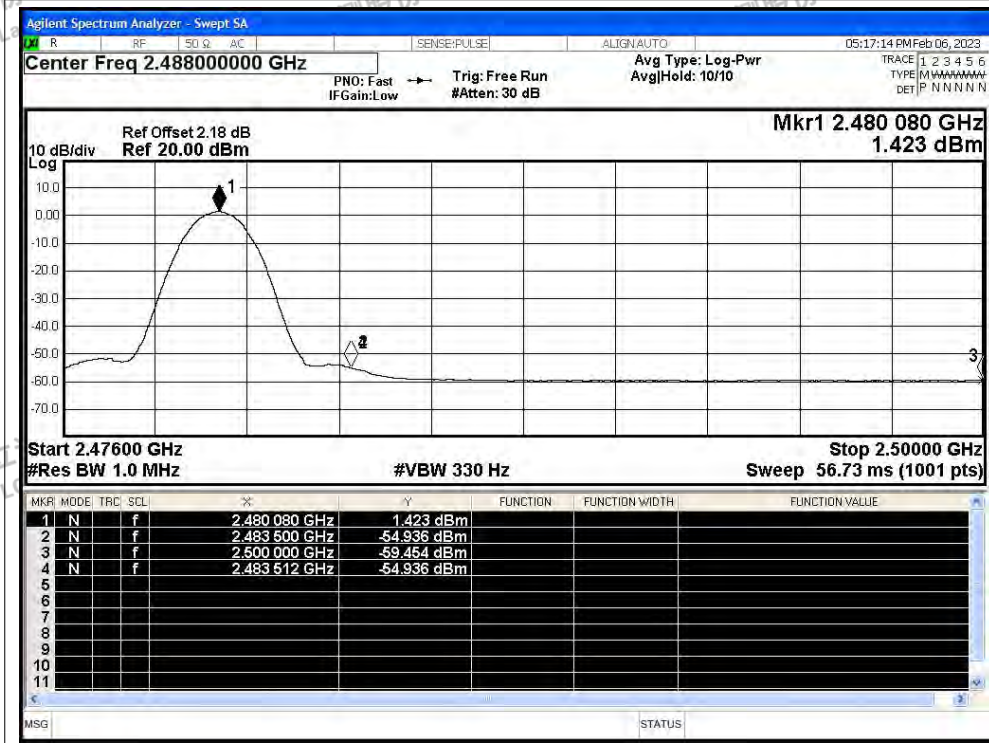




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

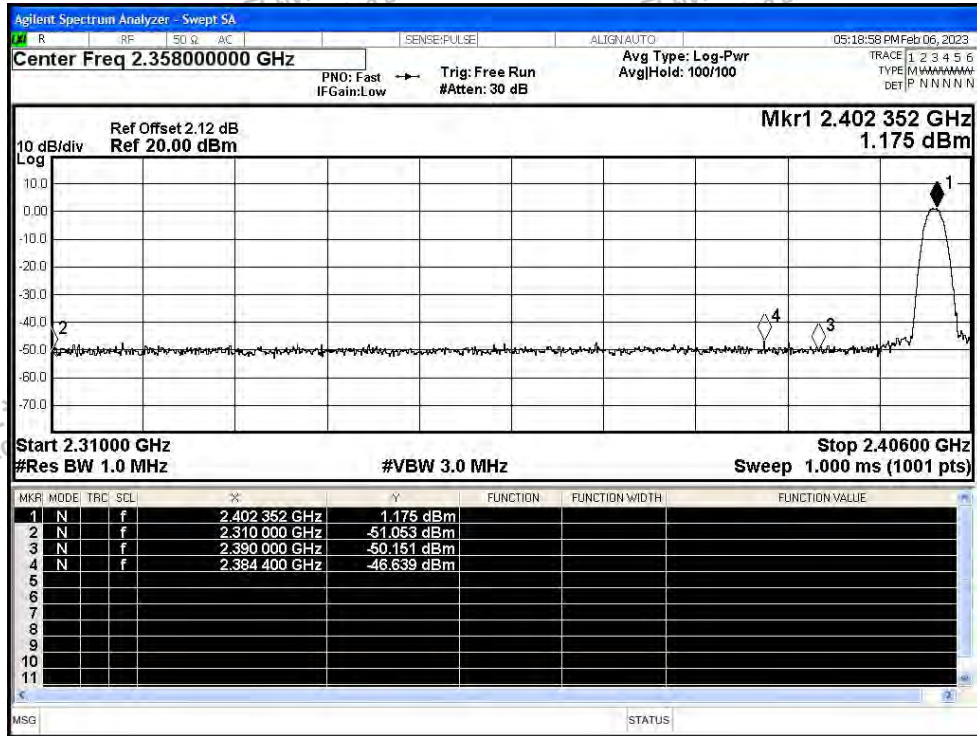


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

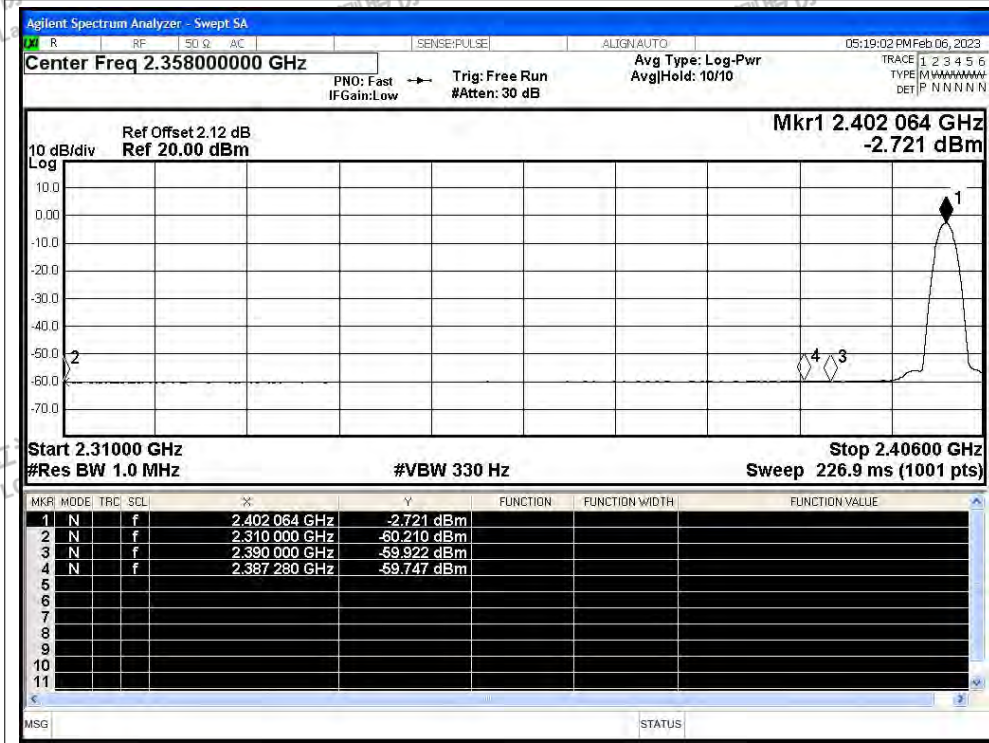




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

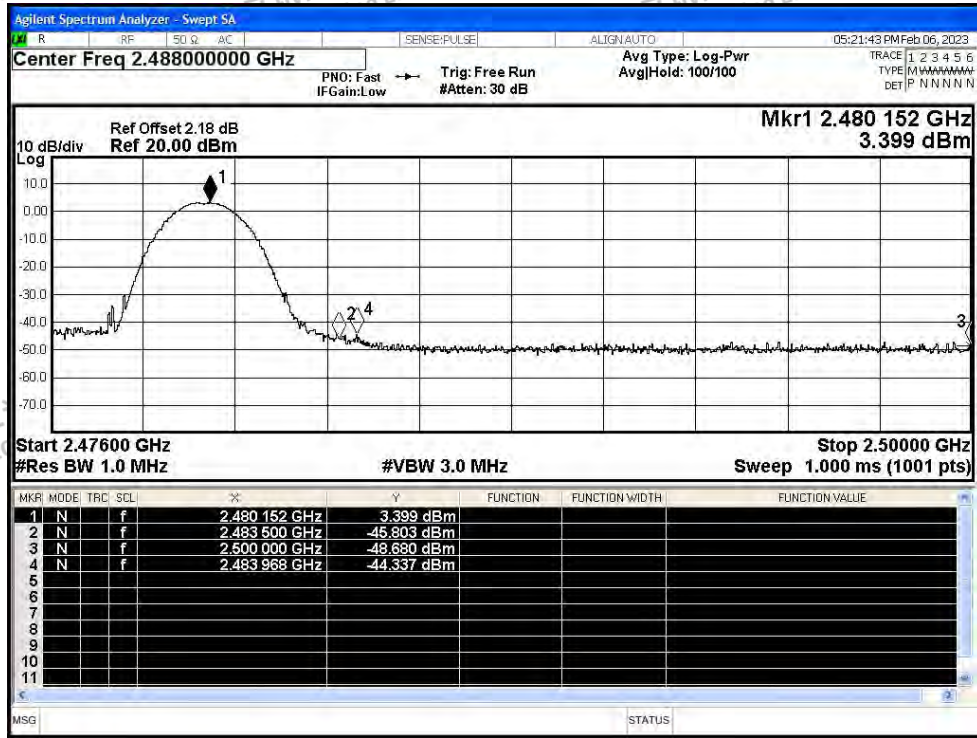


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

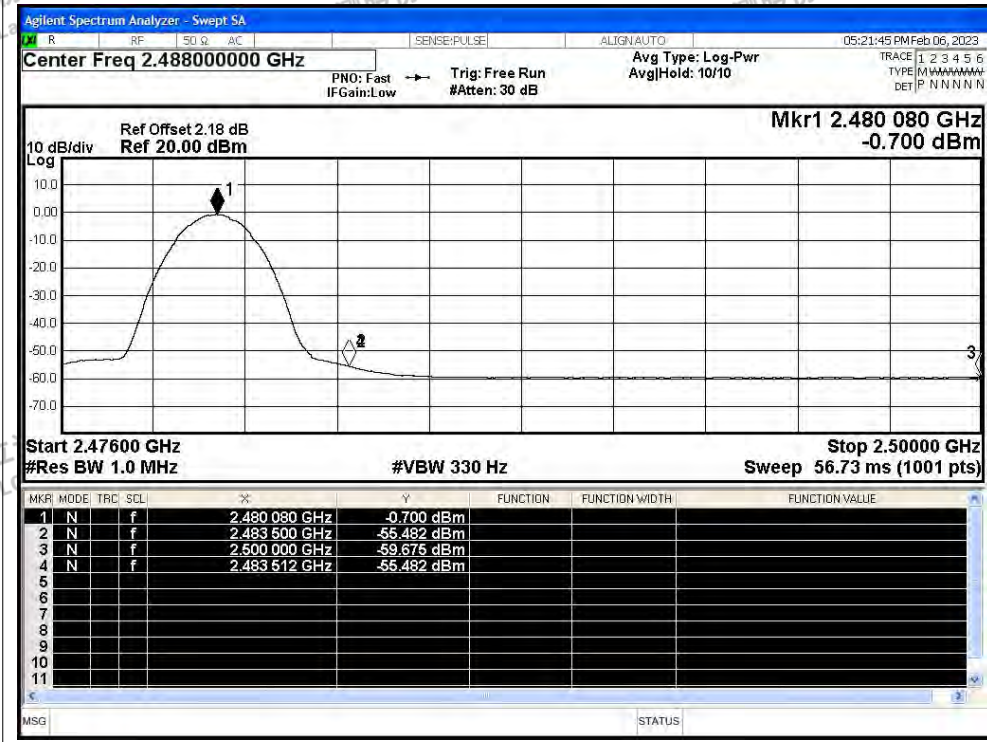




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

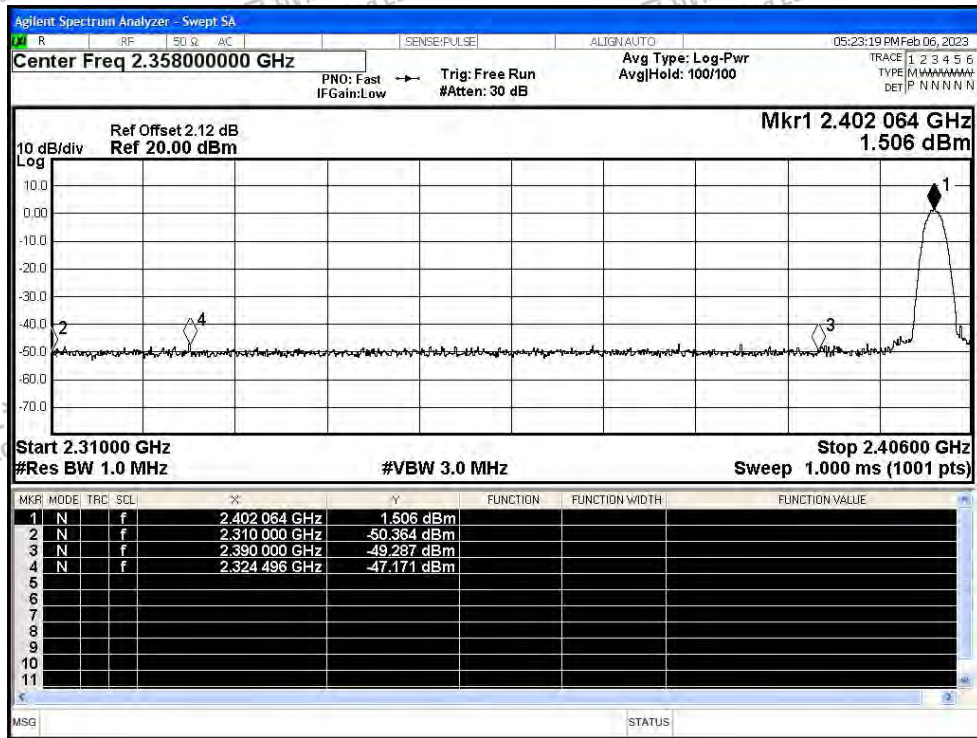


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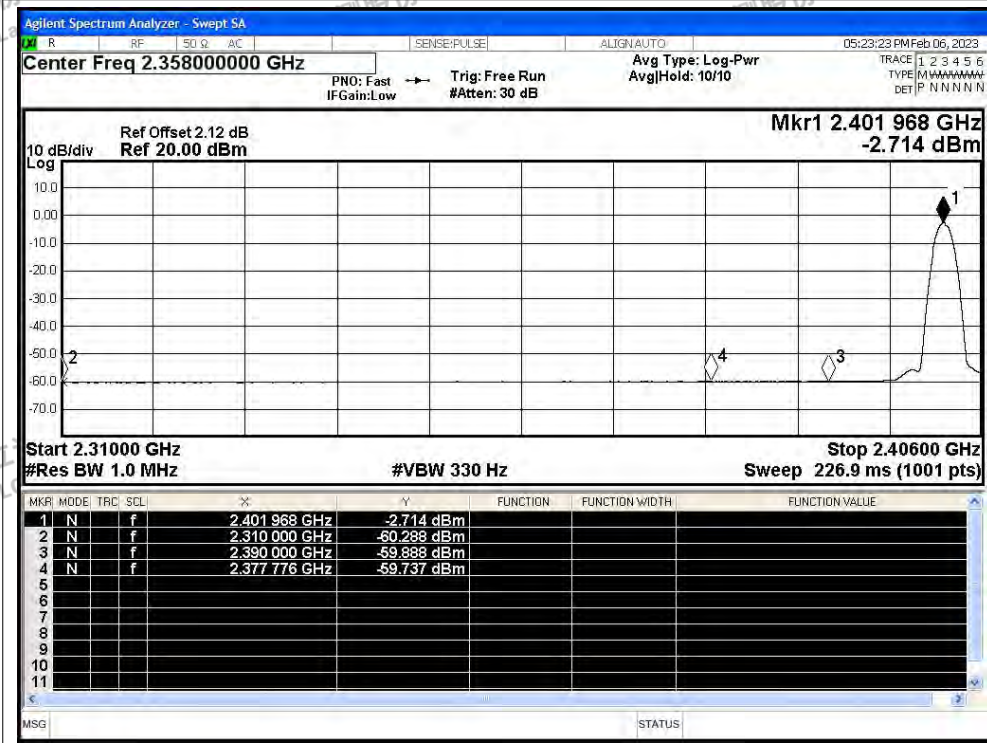




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

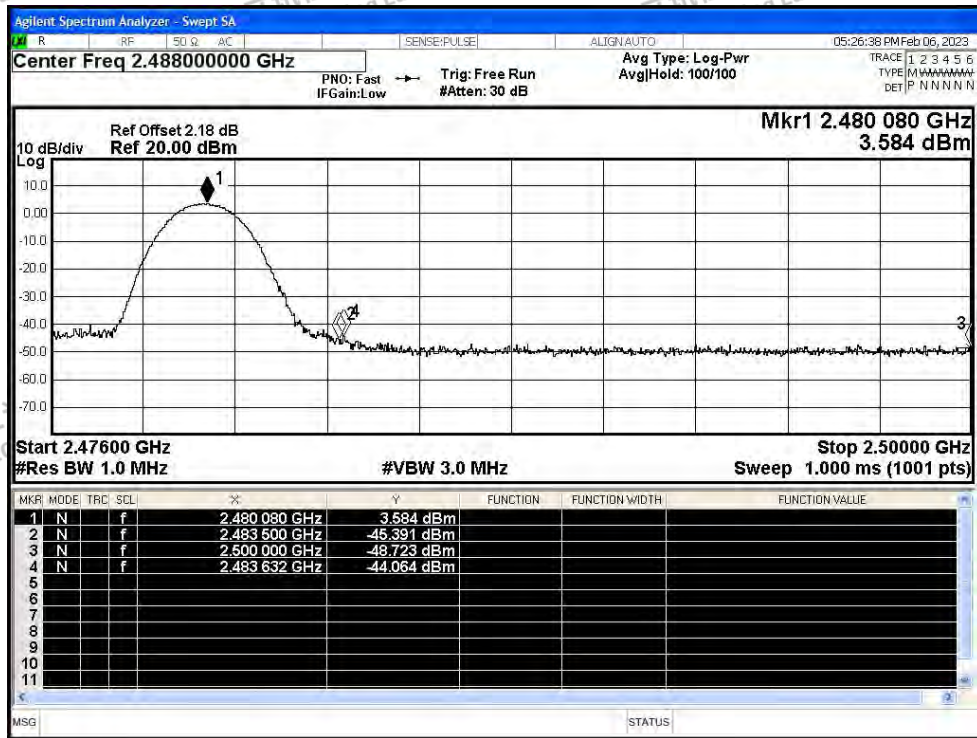


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

