

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Tablet

Test Model: Puya



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:	Taylor Hu
Supervised by:	Ling Zhu



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A.1 -20dB Bandwidth

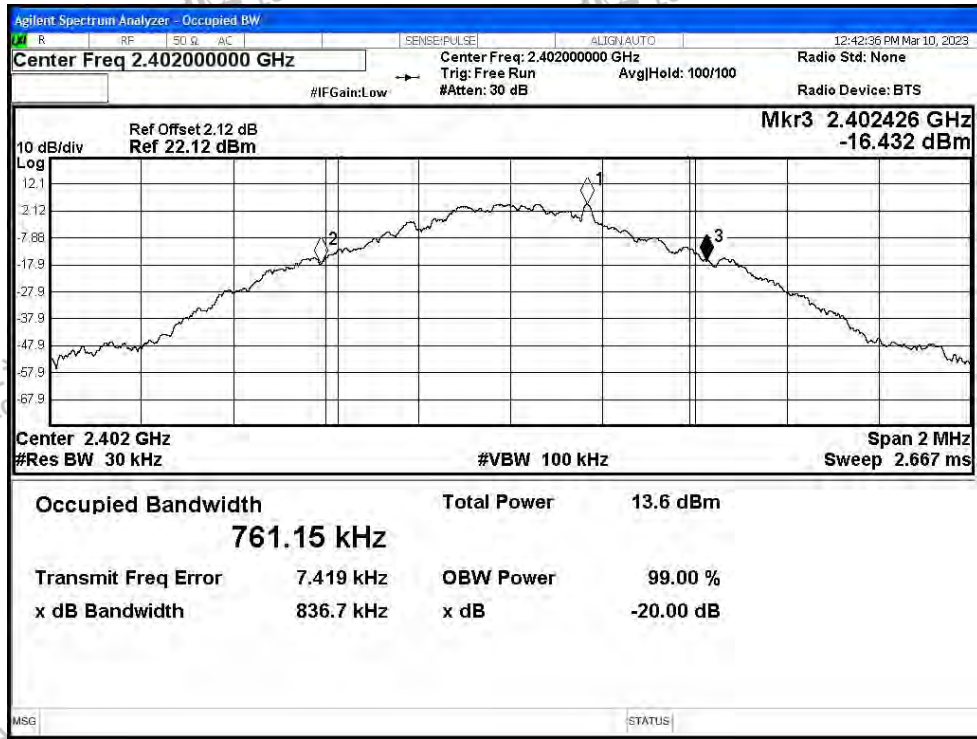
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.837	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.903	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.84	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.266	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.268	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.284	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.293	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.303	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.29	N/A	Pass





Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

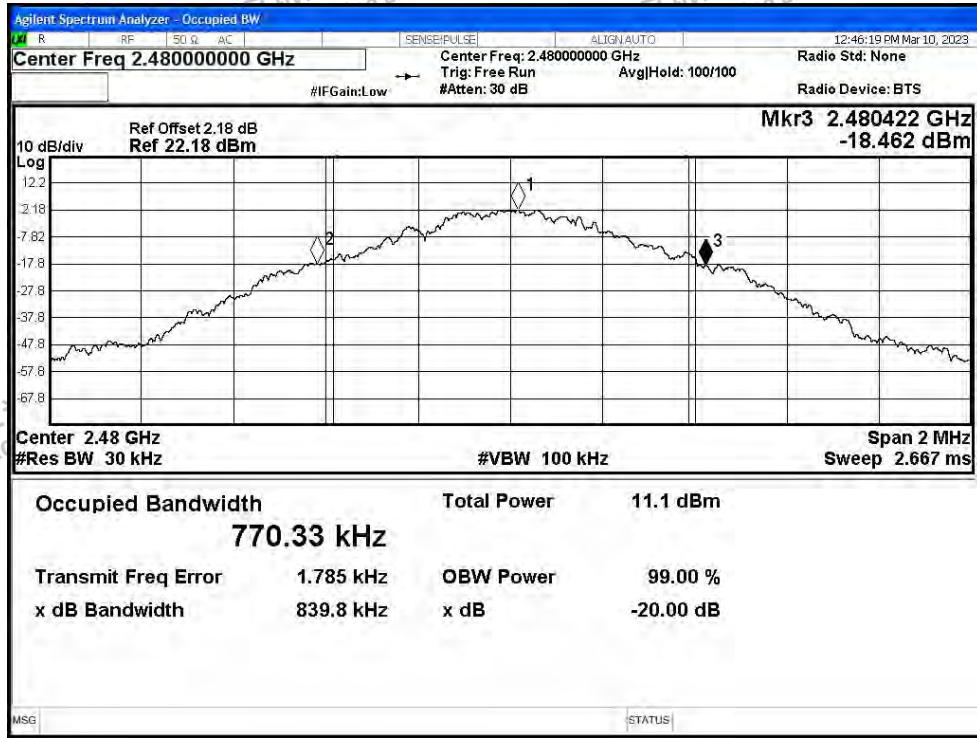


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

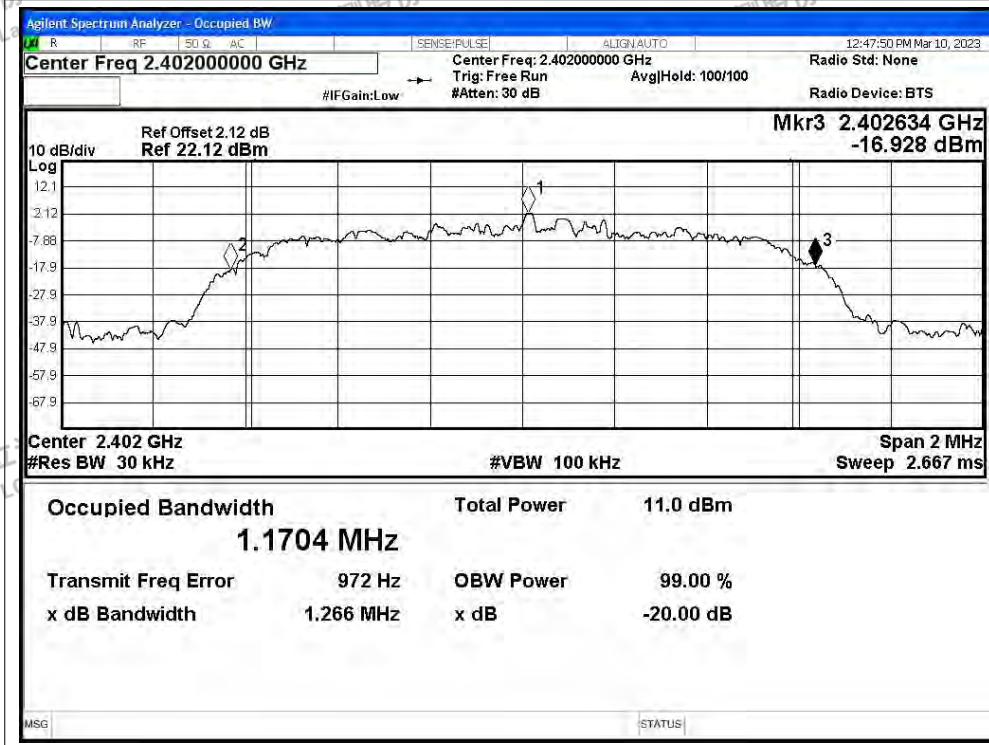




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

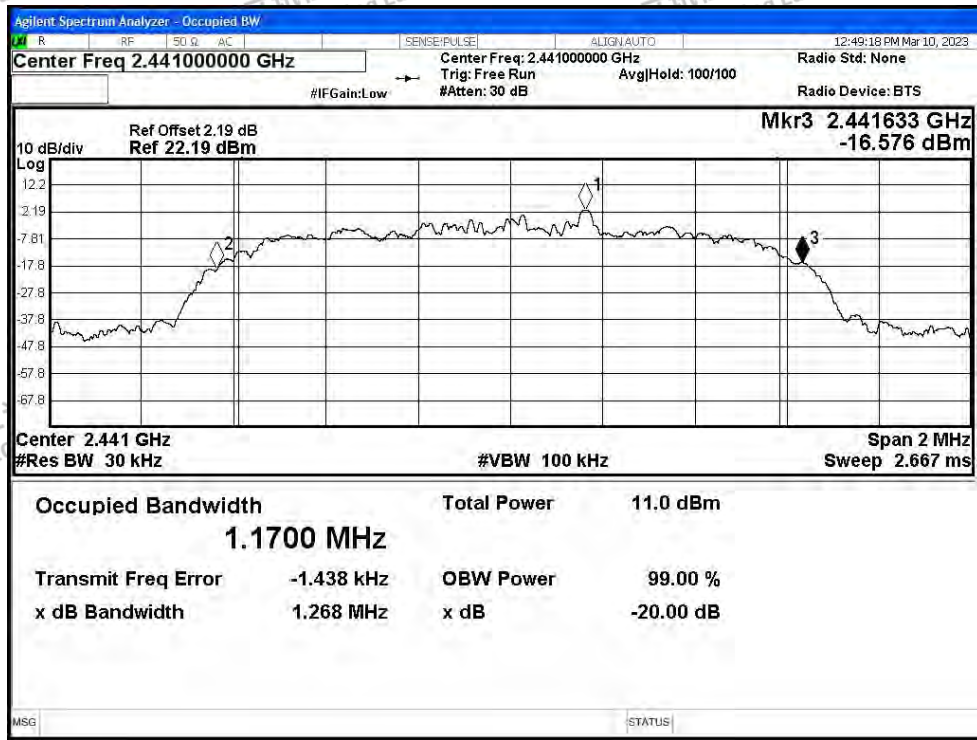


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

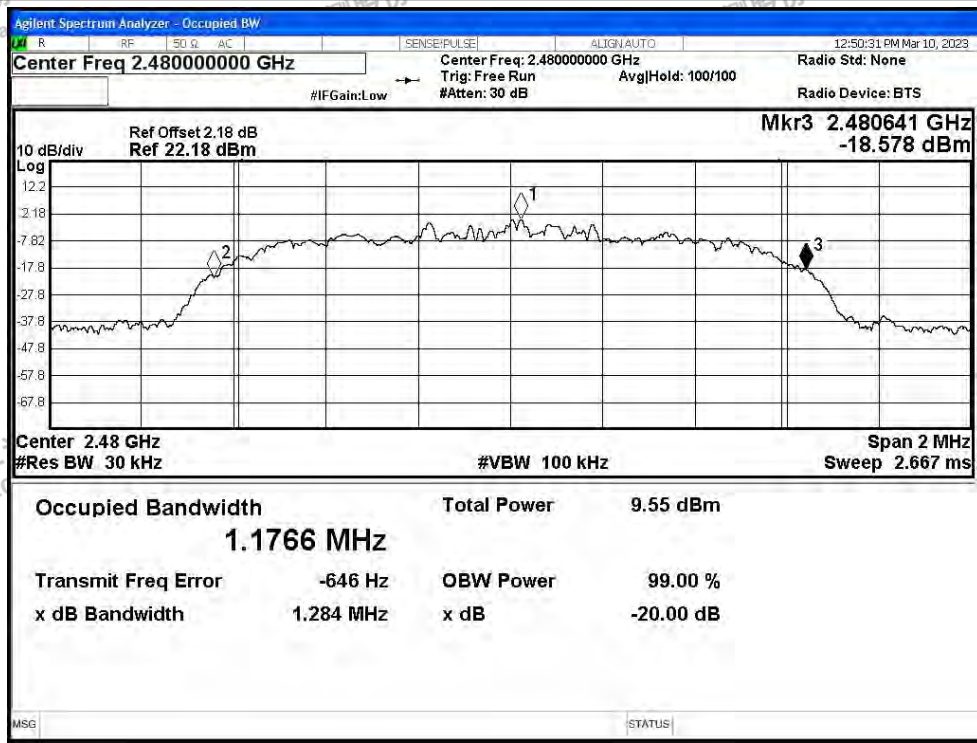




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

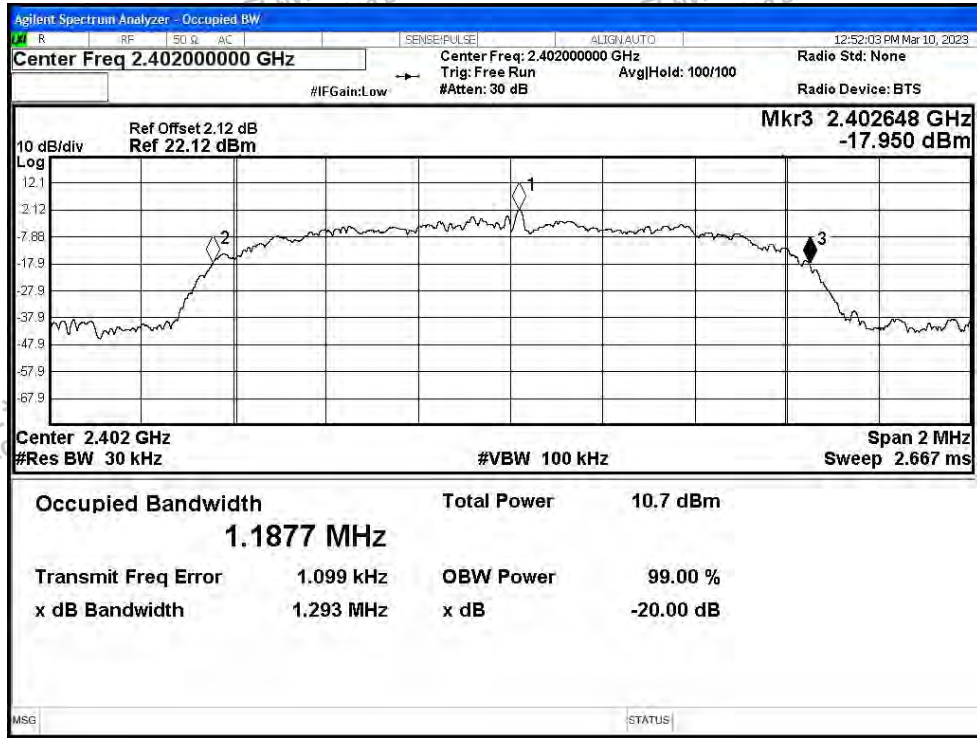


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

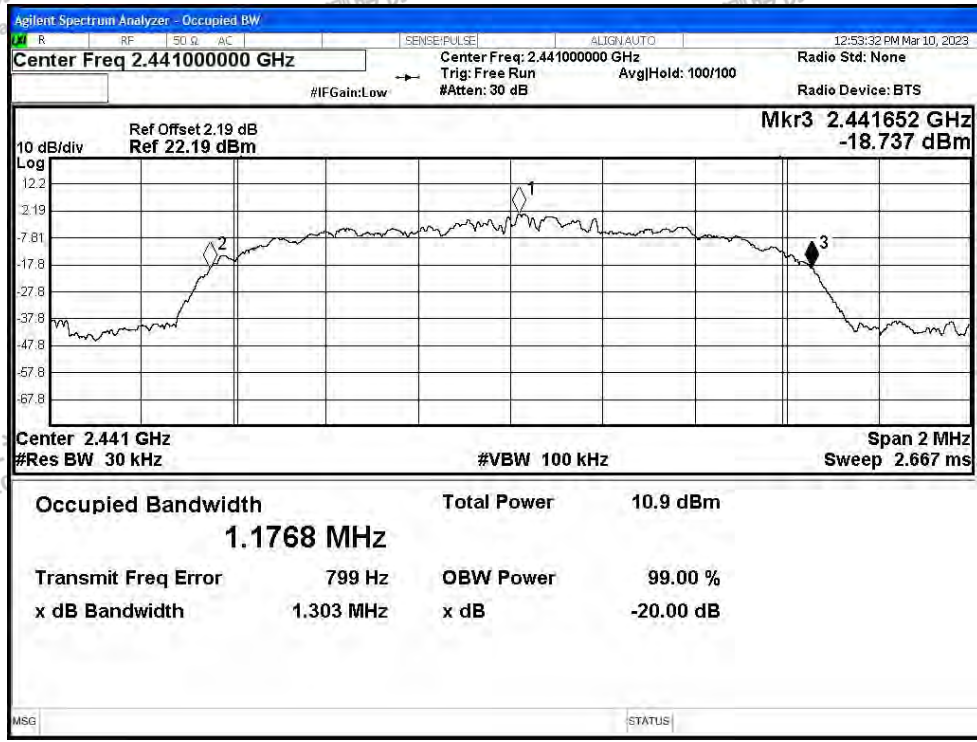




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

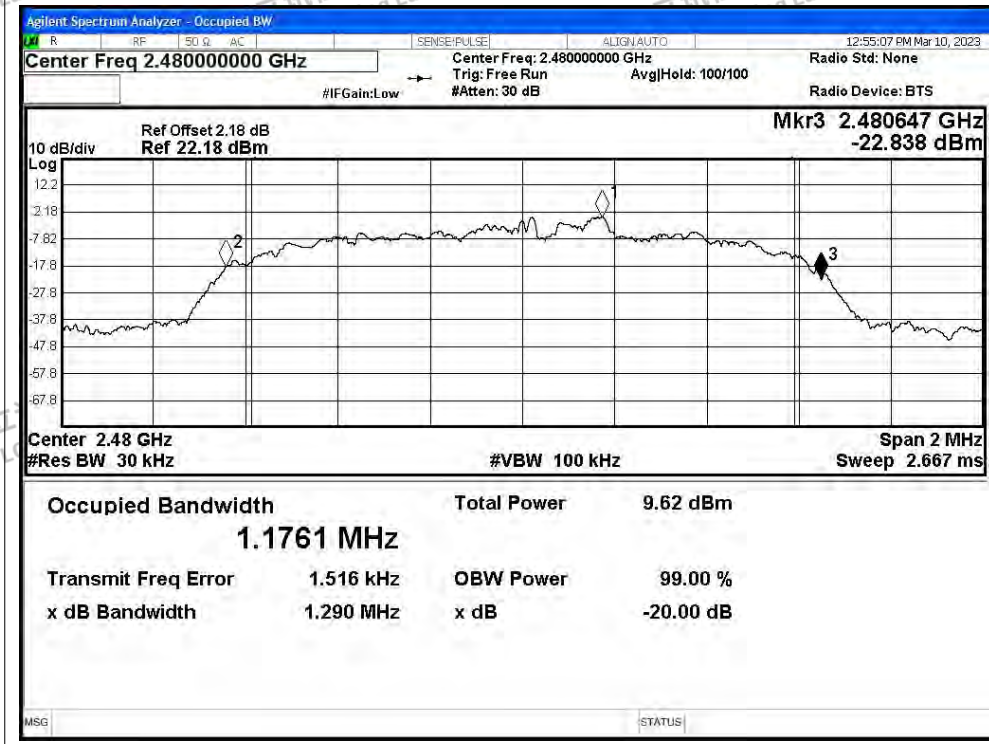


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





A.2 Maximum Conducted Output Power

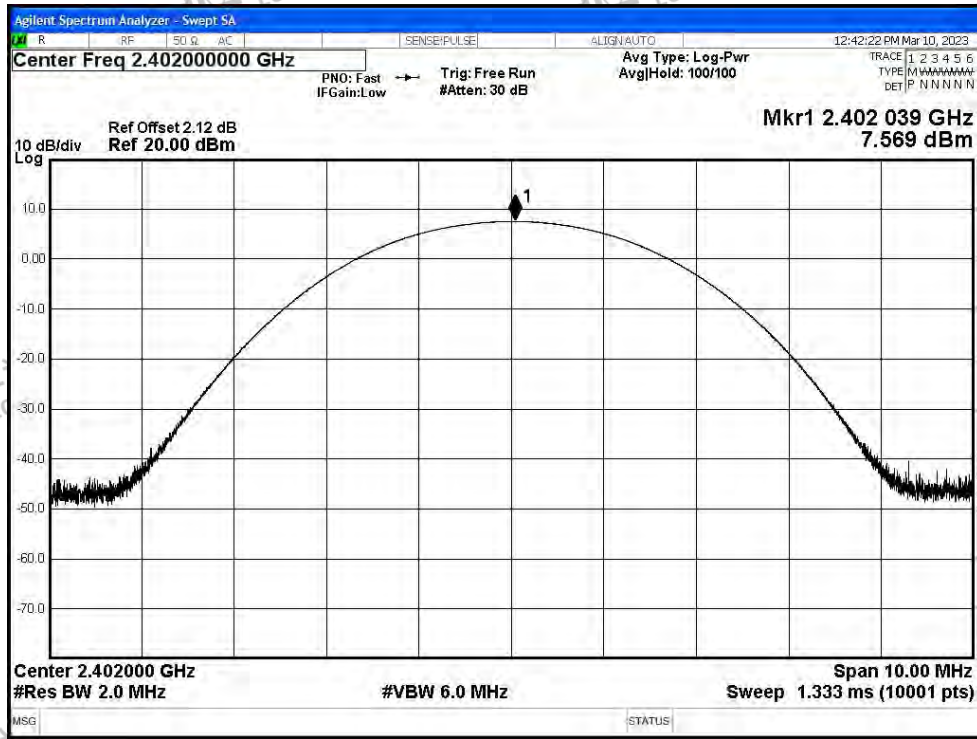
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	7.57	21	Pass
NVNT	1-DH5	2441	Ant1	6.93	21	Pass
NVNT	1-DH5	2480	Ant1	5.25	21	Pass
NVNT	2-DH5	2402	Ant1	6.57	21	Pass
NVNT	2-DH5	2441	Ant1	6.23	21	Pass
NVNT	2-DH5	2480	Ant1	4.85	21	Pass
NVNT	3-DH5	2402	Ant1	6.50	21	Pass
NVNT	3-DH5	2441	Ant1	6.27	21	Pass
NVNT	3-DH5	2480	Ant1	4.70	21	Pass



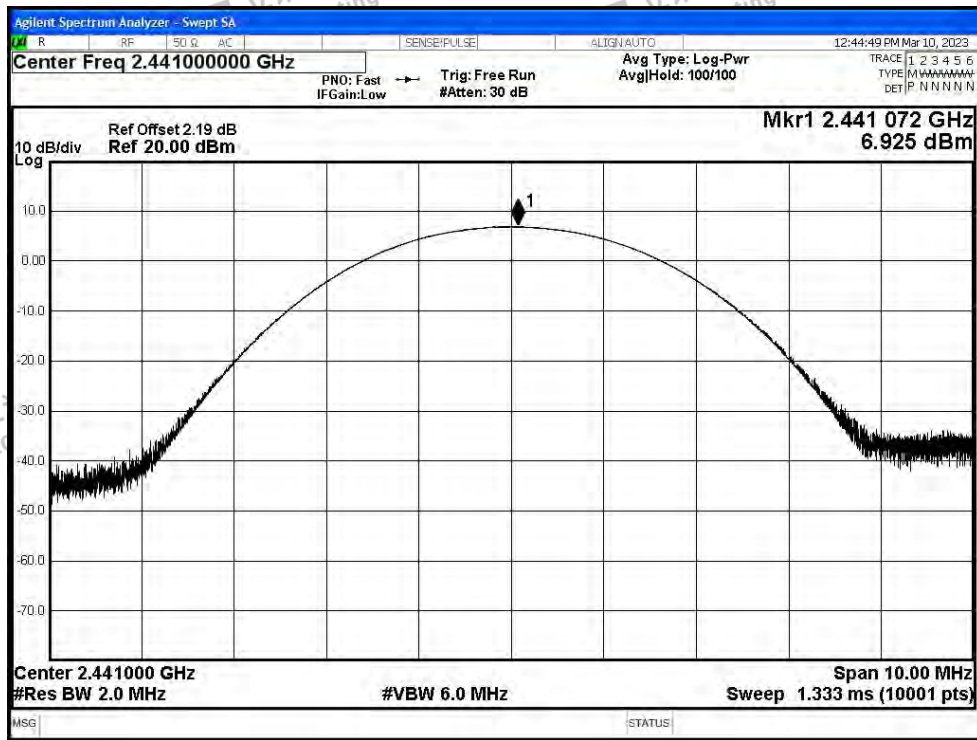


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

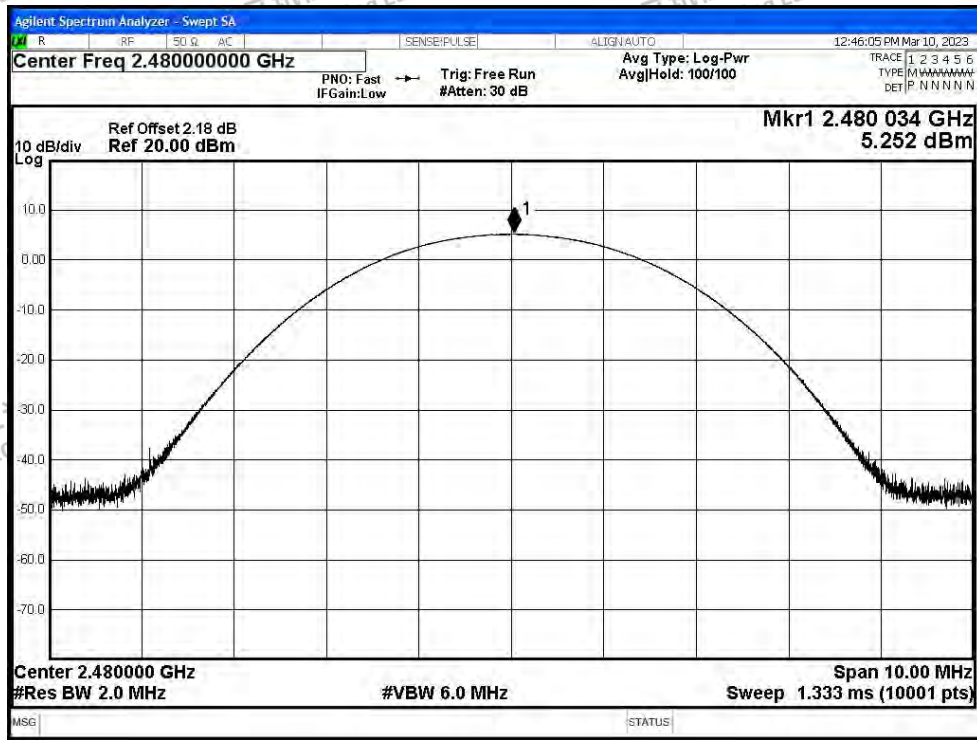


Power NVNT 1-DH5 2441MHz Ant1

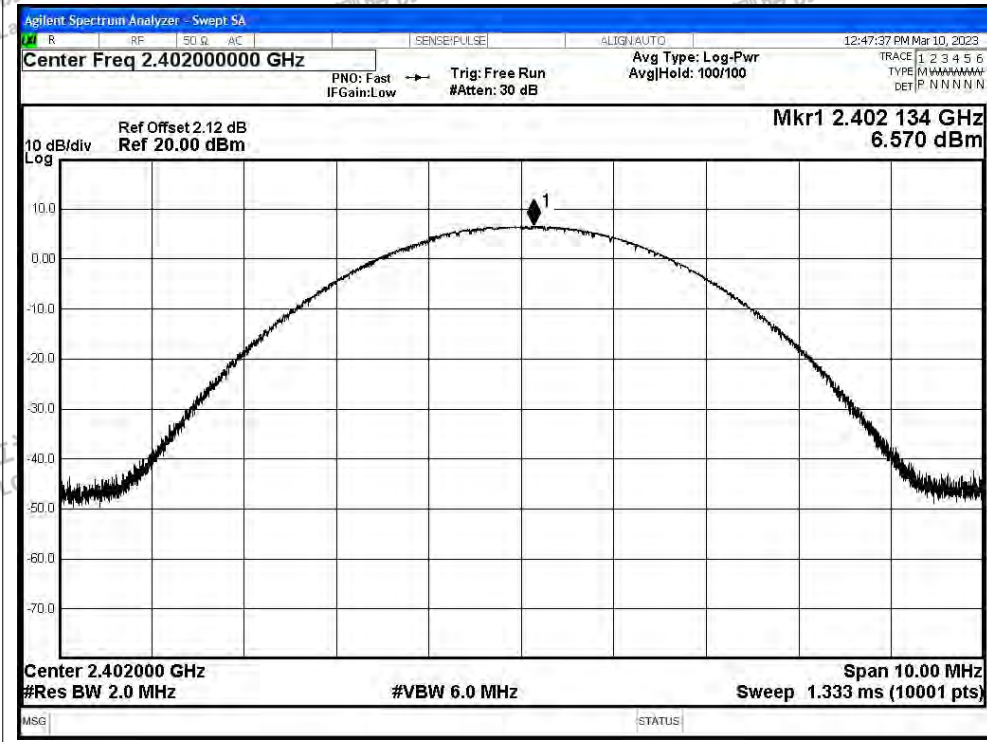




Power NVNT 1-DH5 2480MHz Ant1

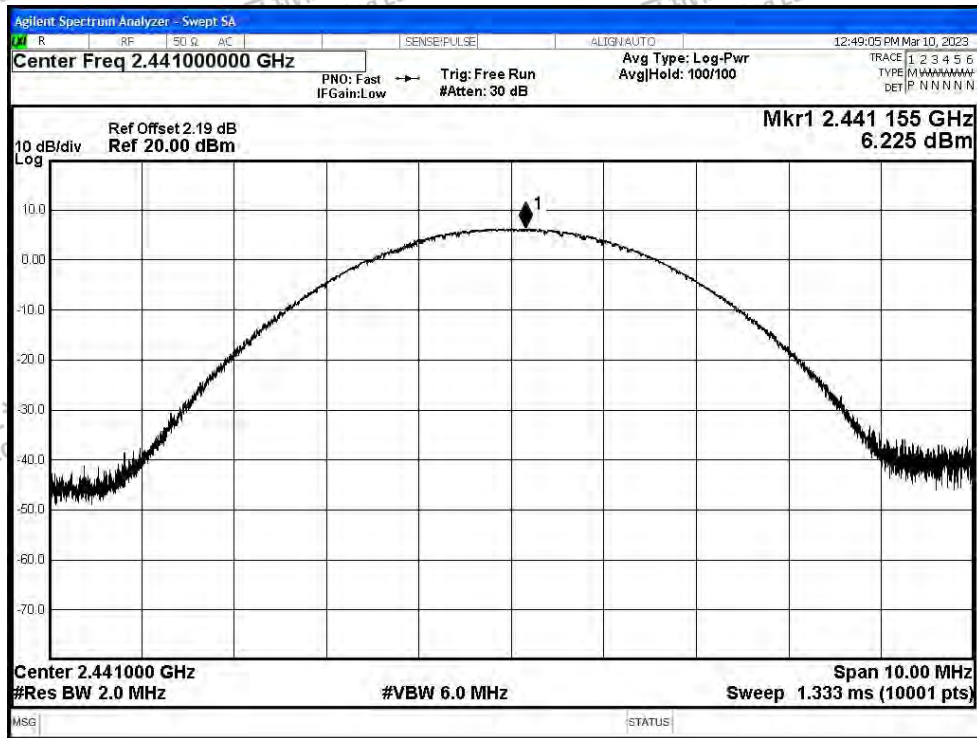


Power NVNT 2-DH5 2402MHz Ant1

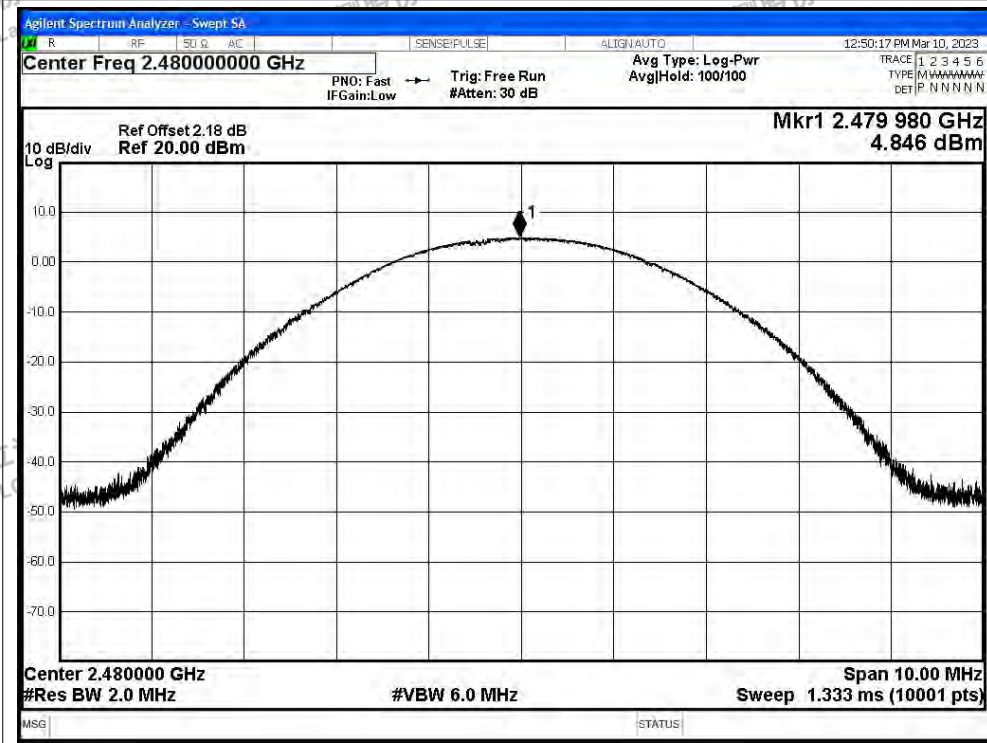




Power NVNT 2-DH5 2441MHz Ant1

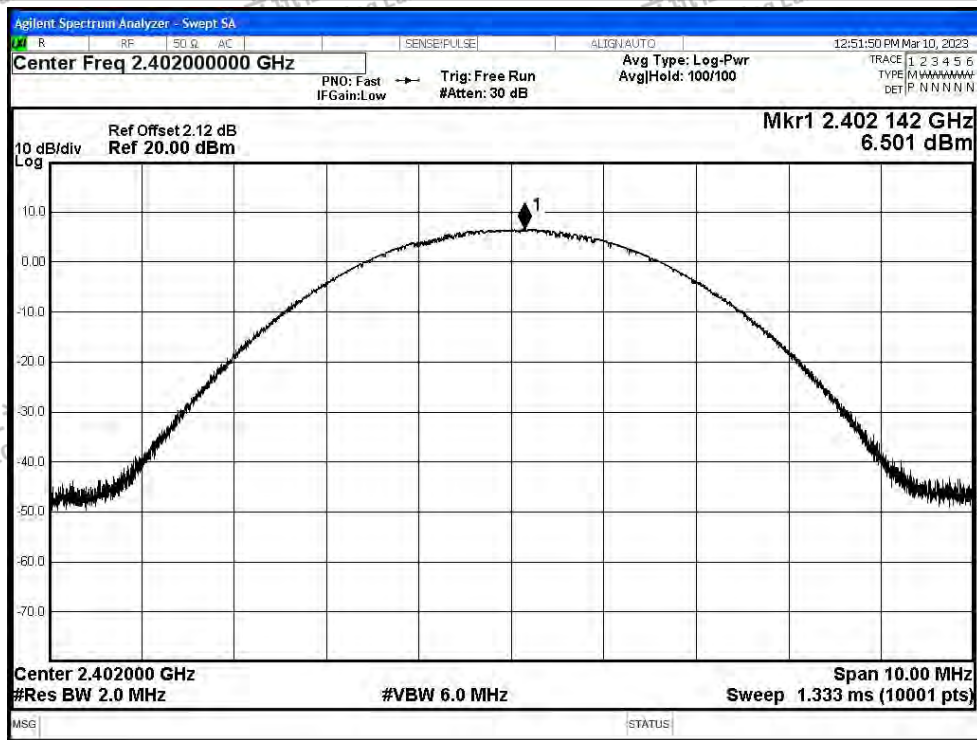


Power NVNT 2-DH5 2480MHz Ant1

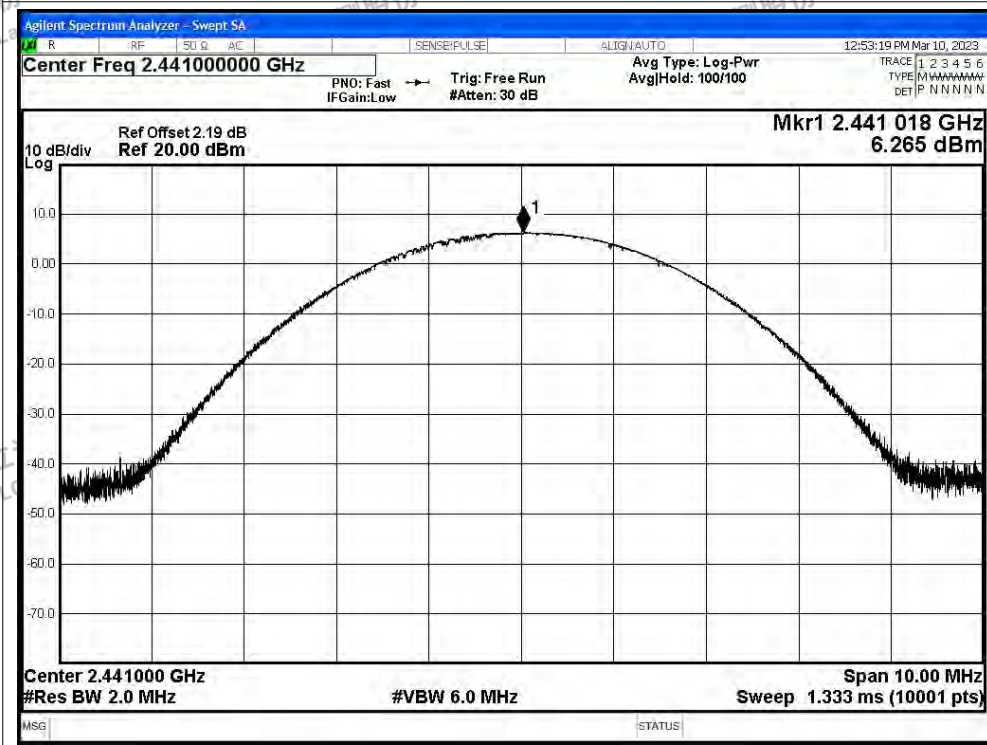




Power NVNT 3-DH5 2402MHz Ant1

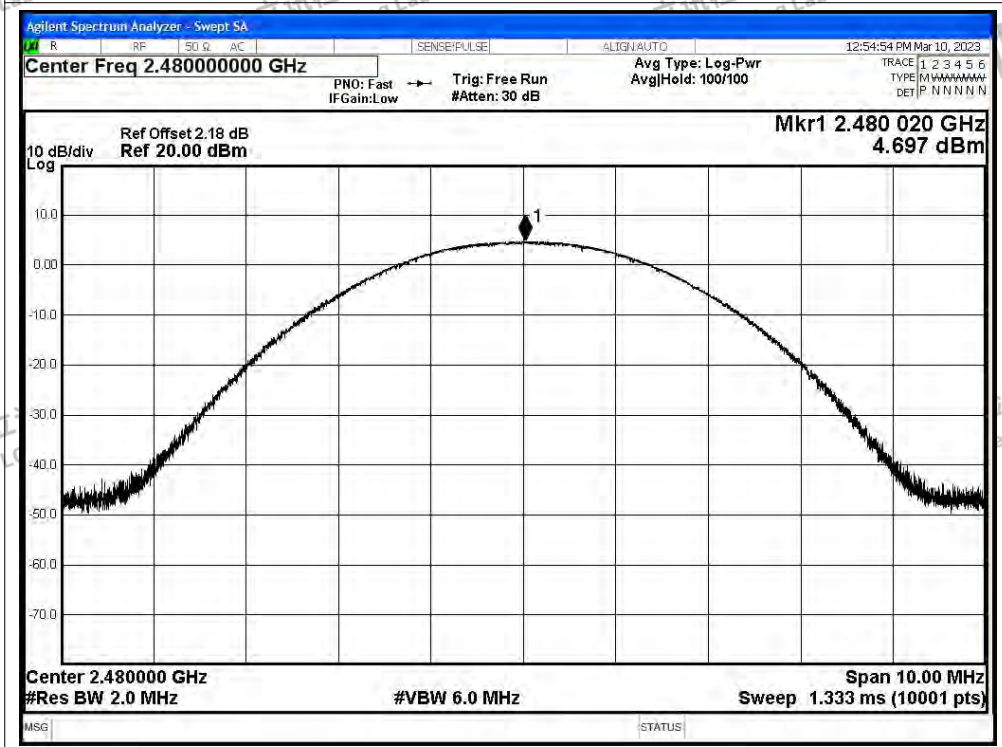


Power NVNT 3-DH5 2441MHz Ant1





Power NVNT 3-DH5 2480MHz Ant1



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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	2401.994	2402.968	0.974	0.602	Pass
NVNT	2-DH5	Ant1	2402.164	2403.014	0.85	0.856	Pass
NVNT	3-DH5	Ant1	2402.162	2403.164	1.002	0.869	Pass

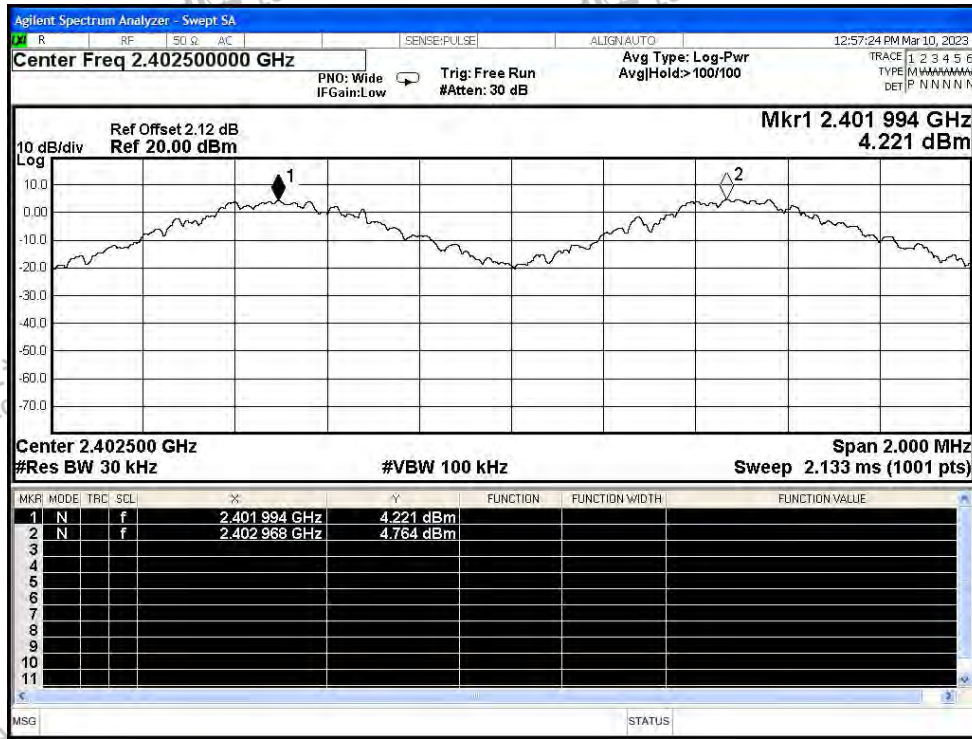


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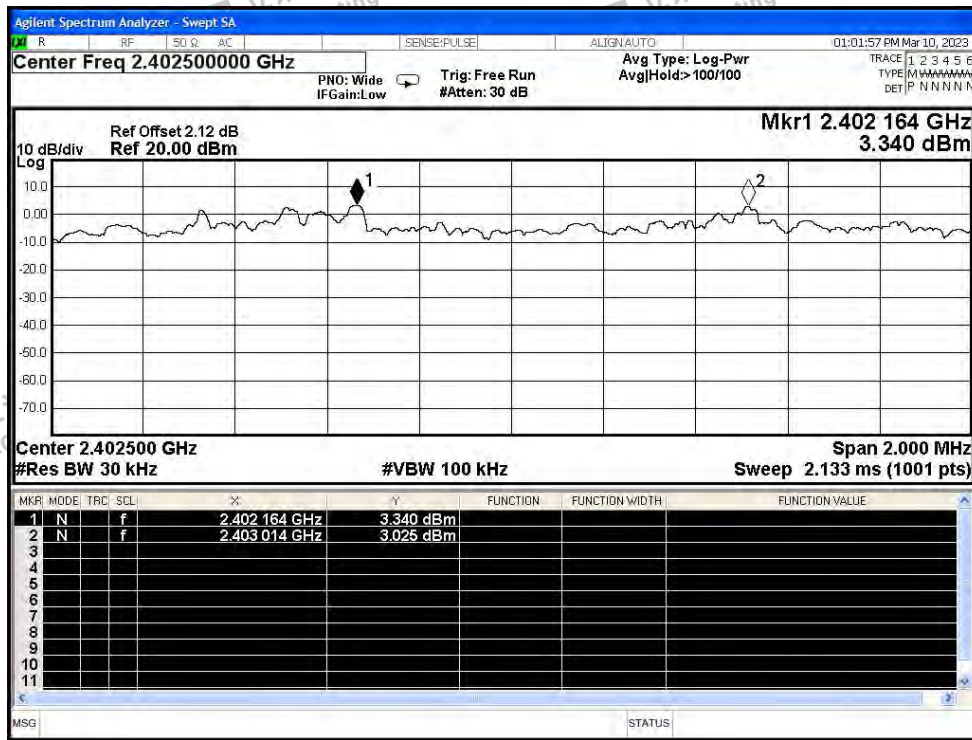


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

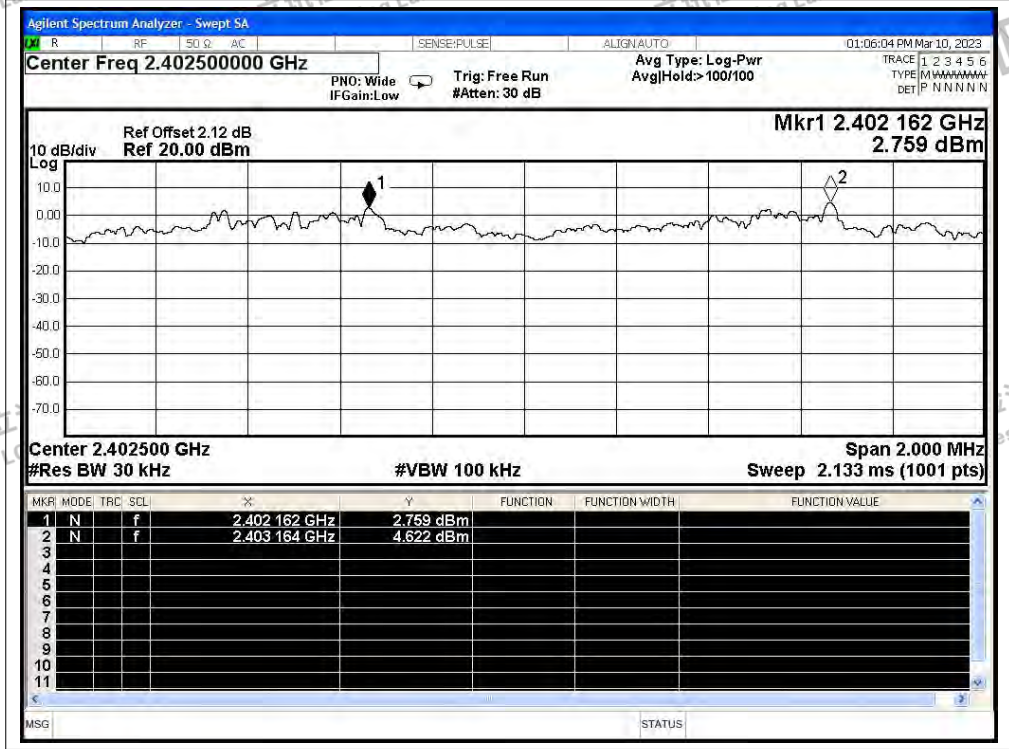


CFS NVNT 2-DH5 2402MHz Ant1





CFS NVNT 3-DH5 2402MHz Ant1



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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	302.61	105	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.885	300.04	104	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.887	303.135	105	31600	400	Pass

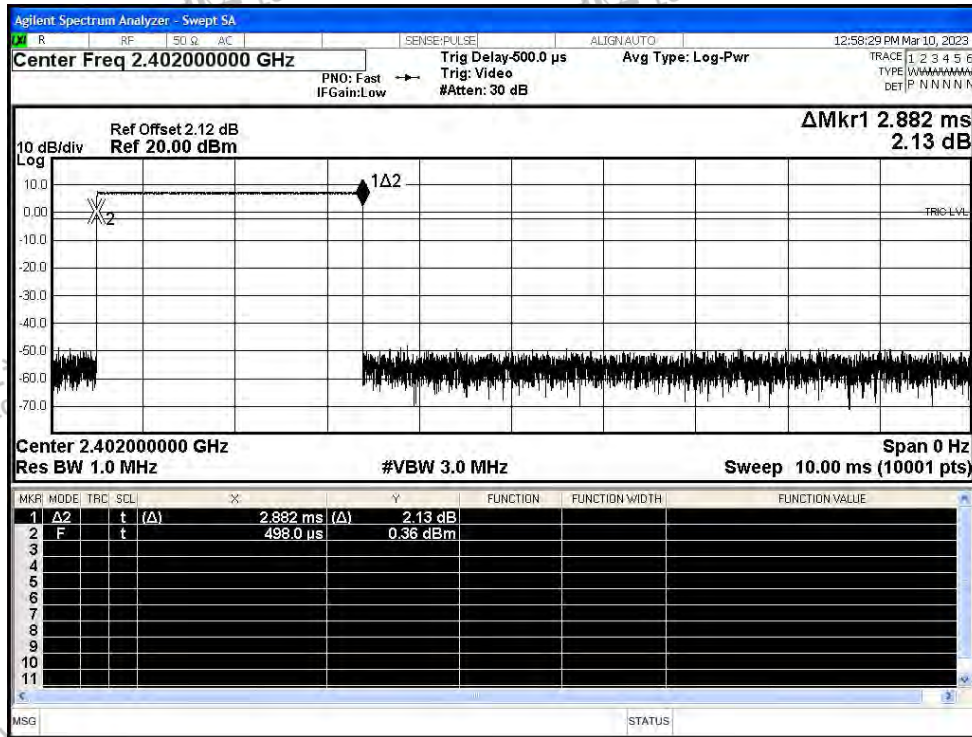


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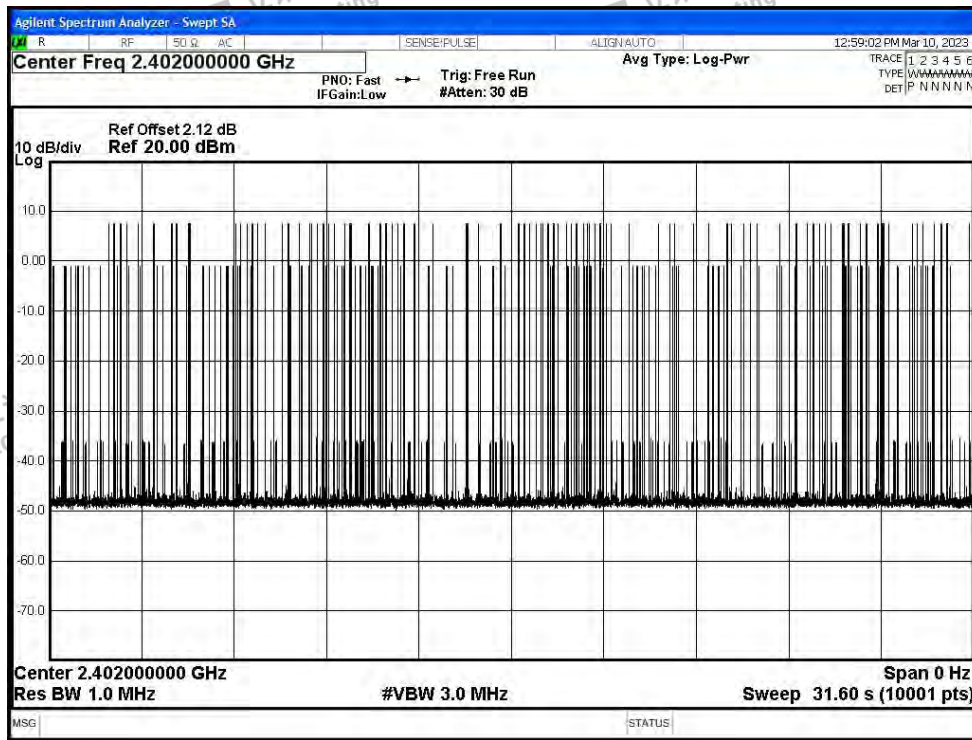


Test Graphs

Dwell-NVNT 1-DH5 2402MHz Ant1 One Burst

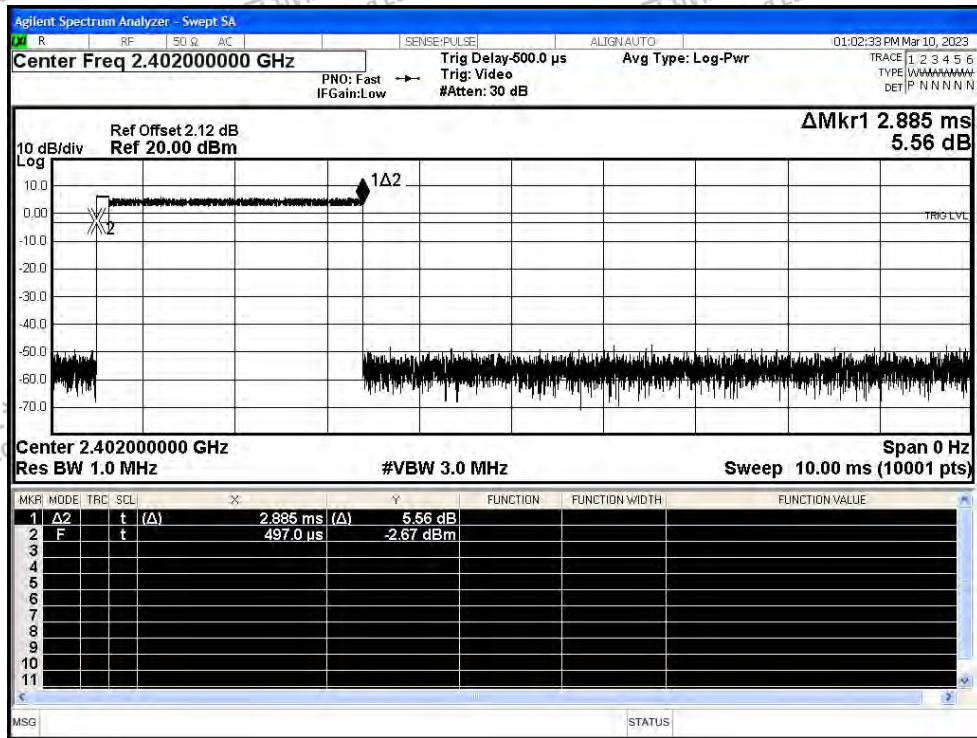


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

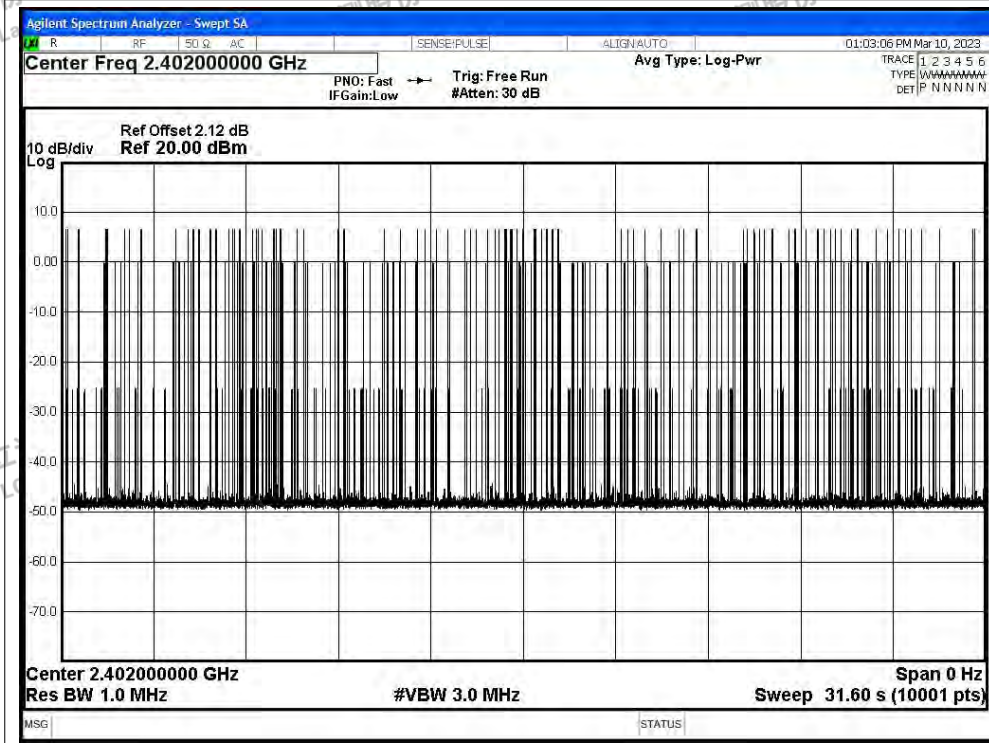




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

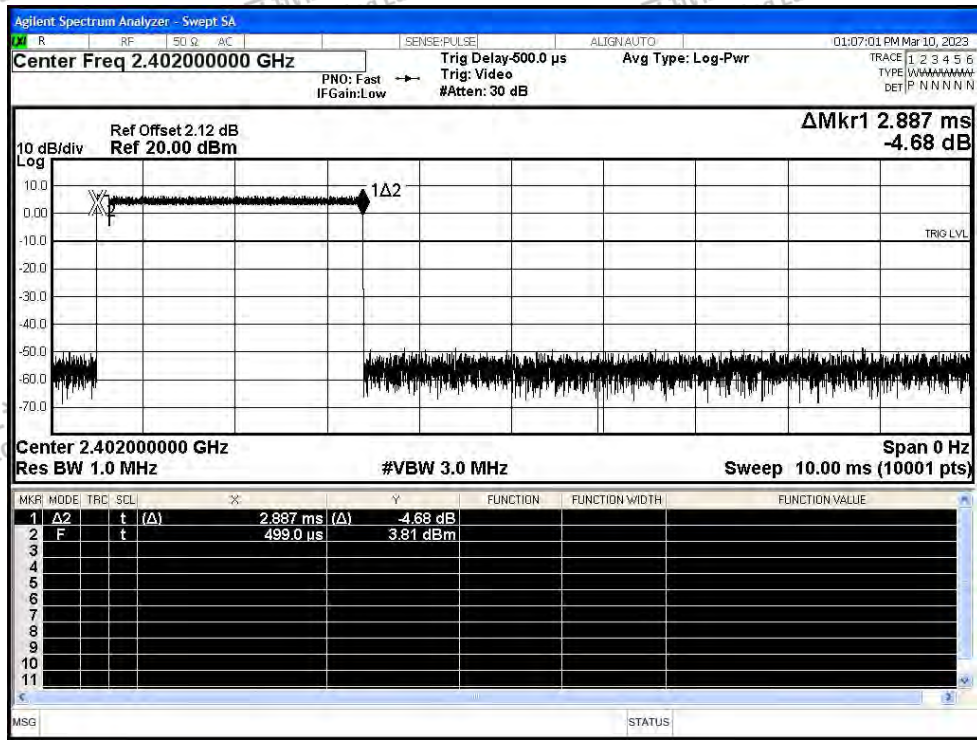


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

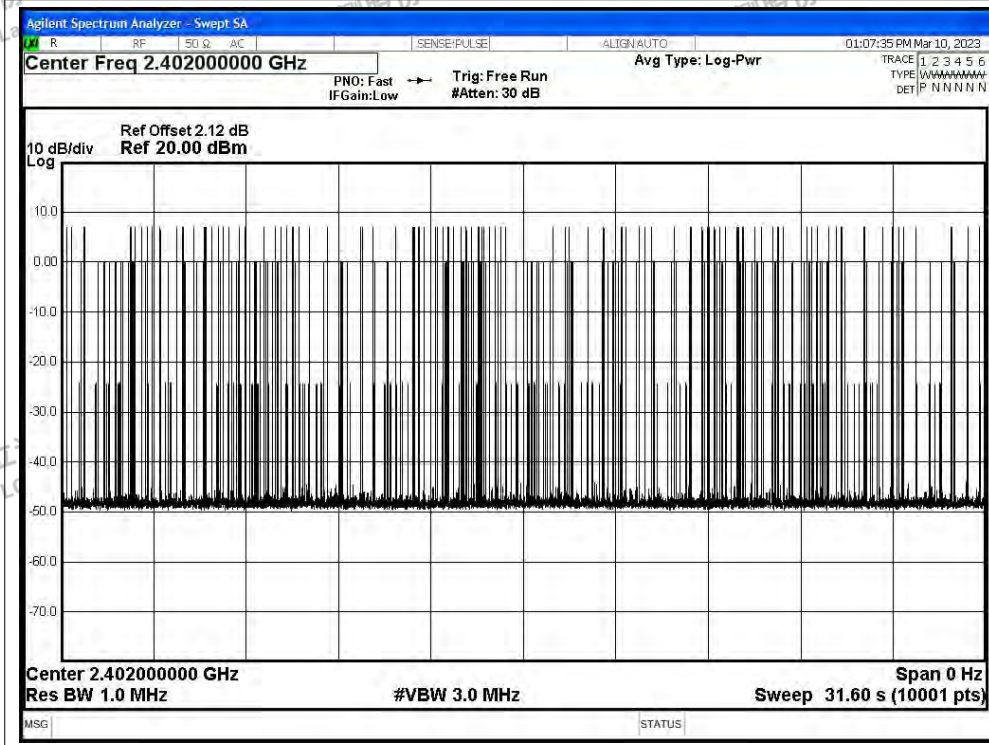




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



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

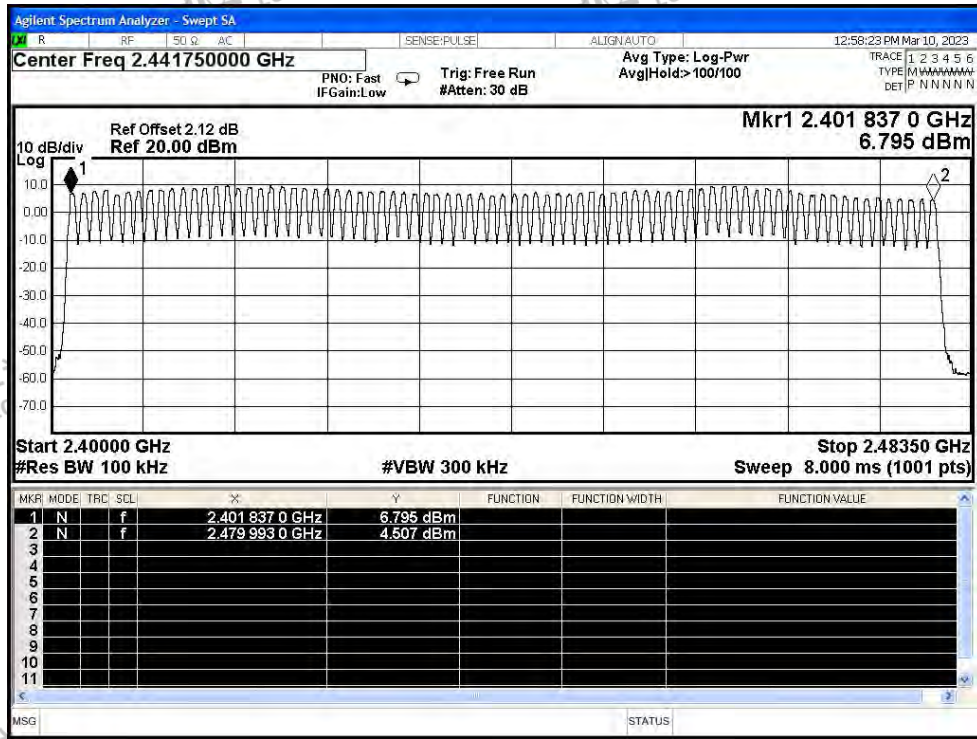


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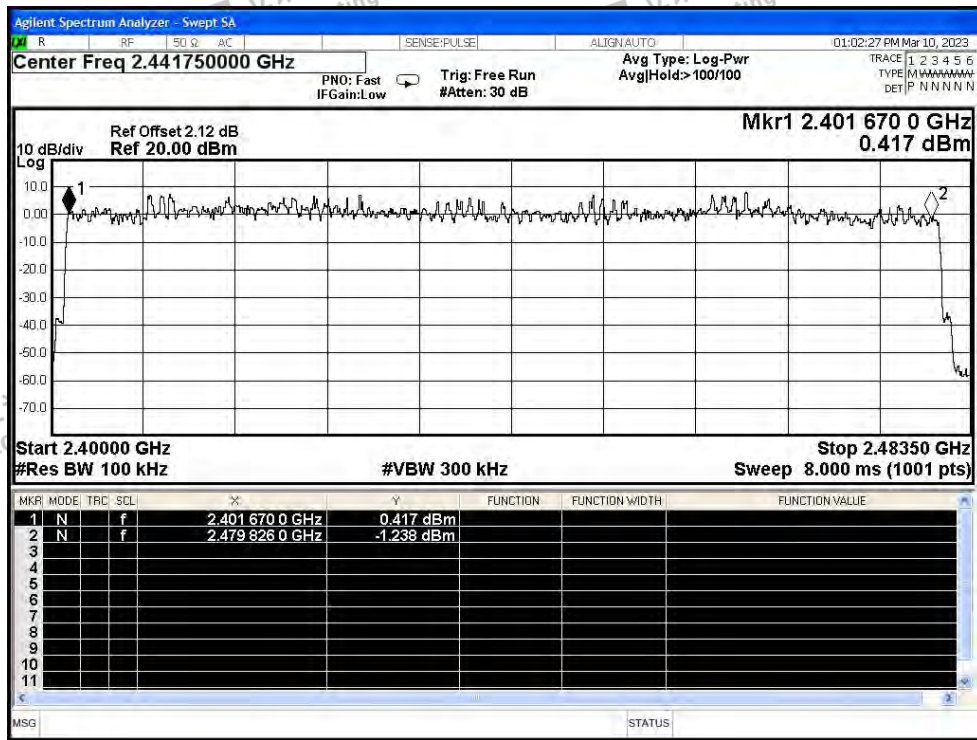


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

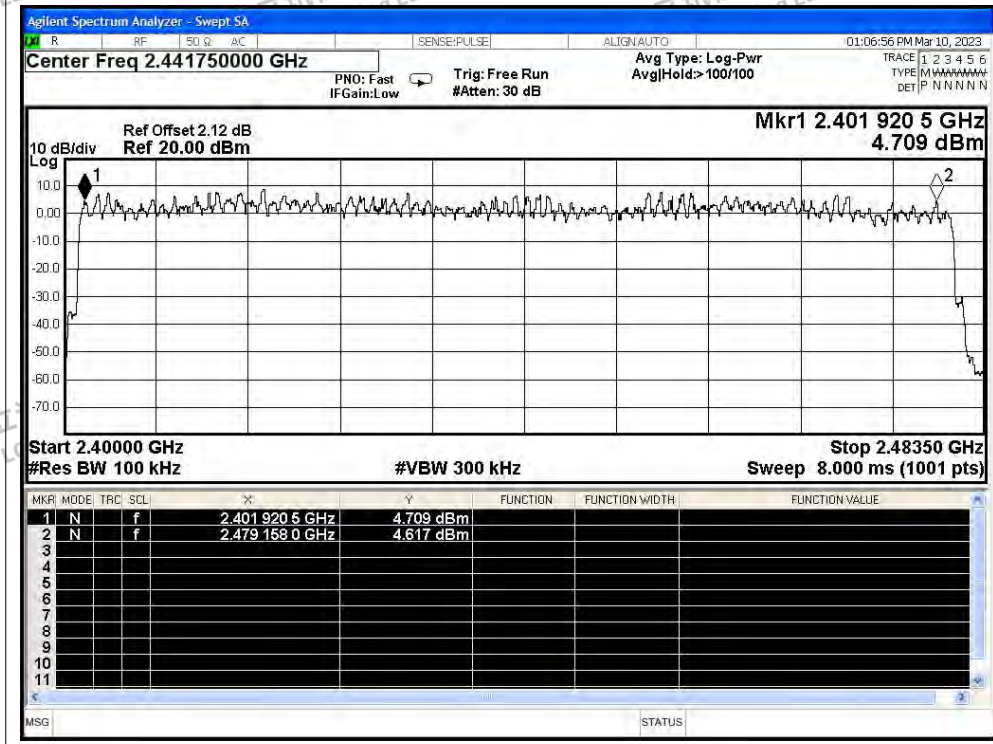


Hopping No. NVNT 2-DH5 2402MHz Ant1





Hopping No. NVNT 3-DH5 2402MHz Ant1





A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-63.82	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-62.14	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-57.11	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-58.89	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-60.83	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-58.12	-20	Pass

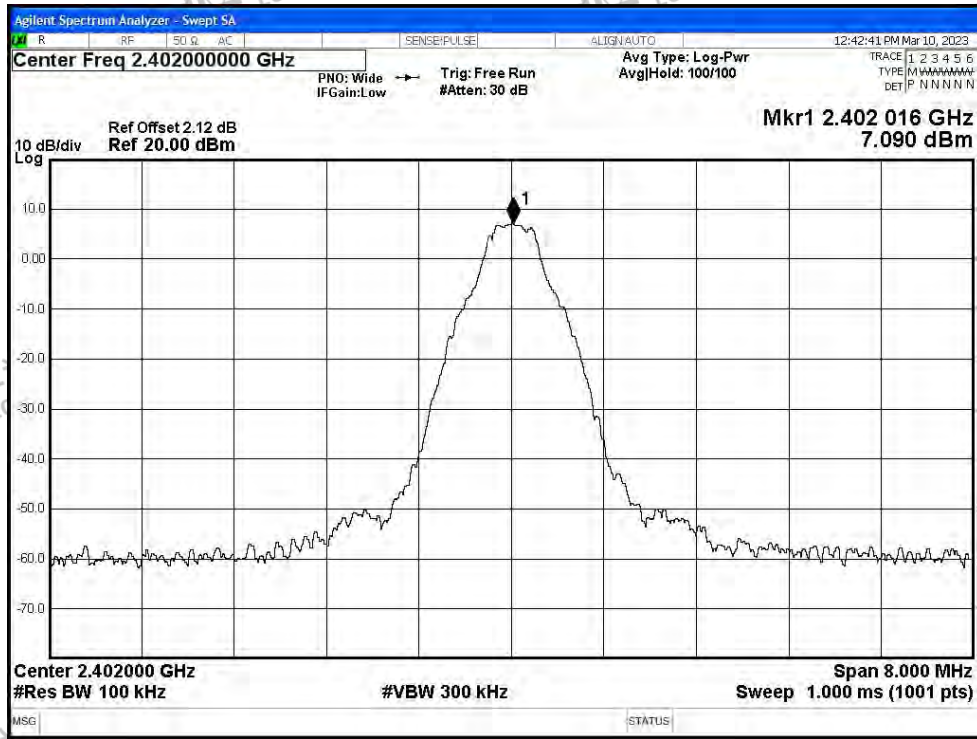


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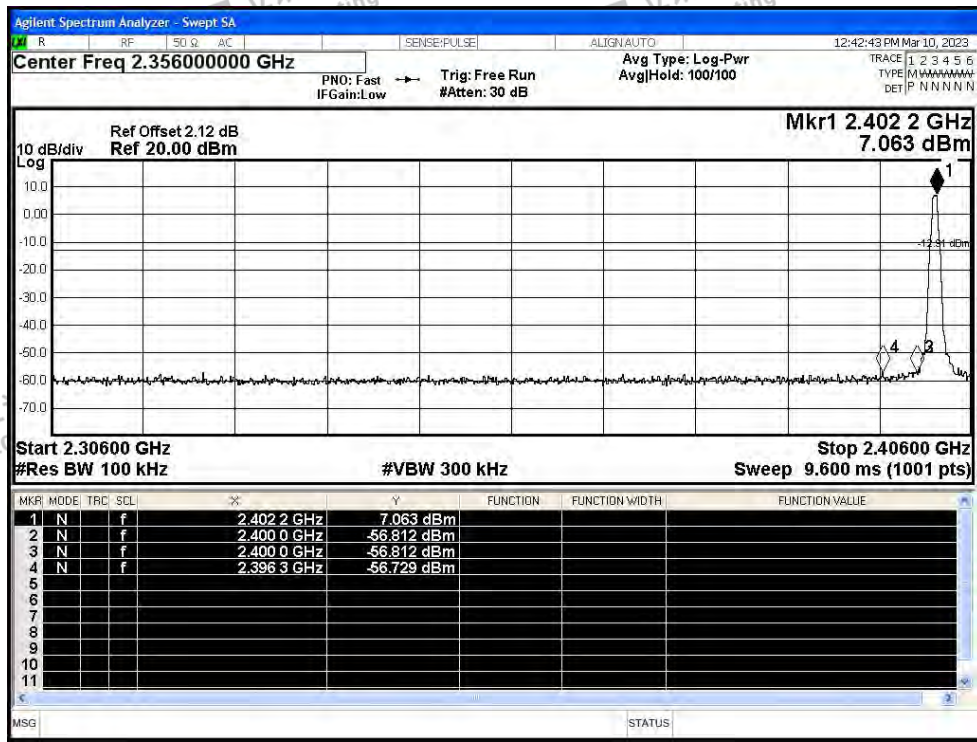


Test Graphs

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

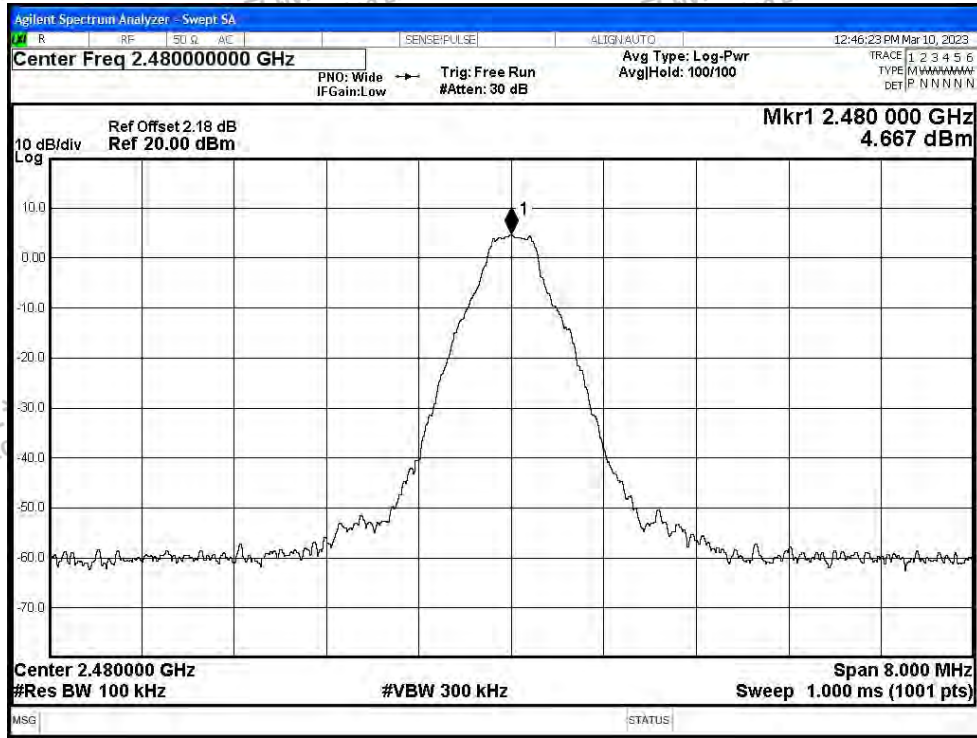


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

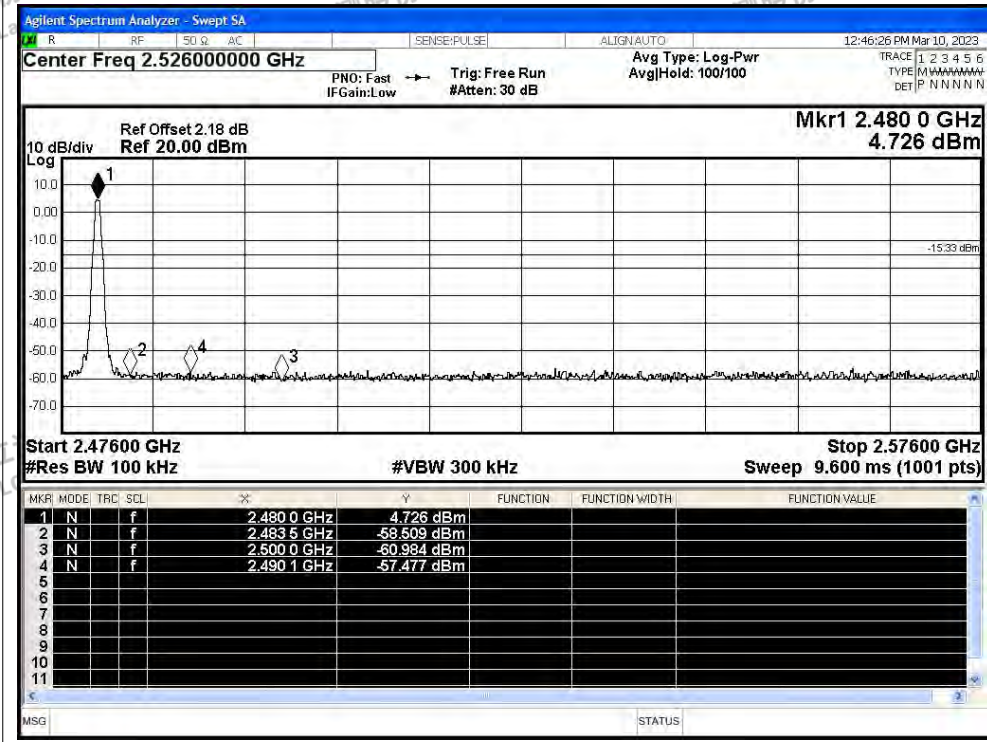




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

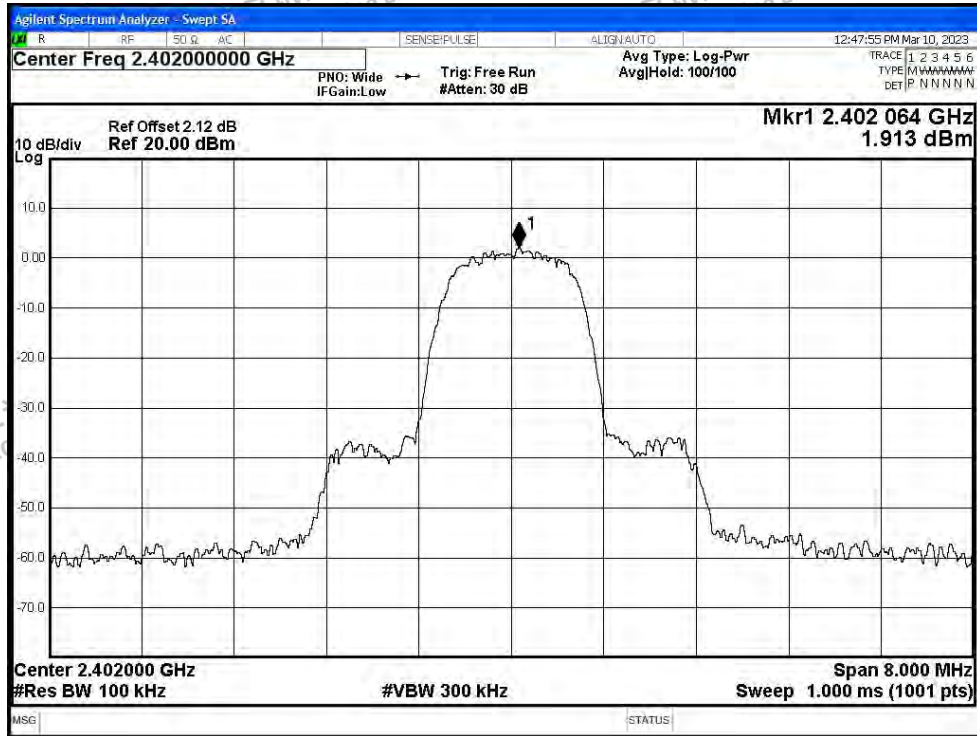


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

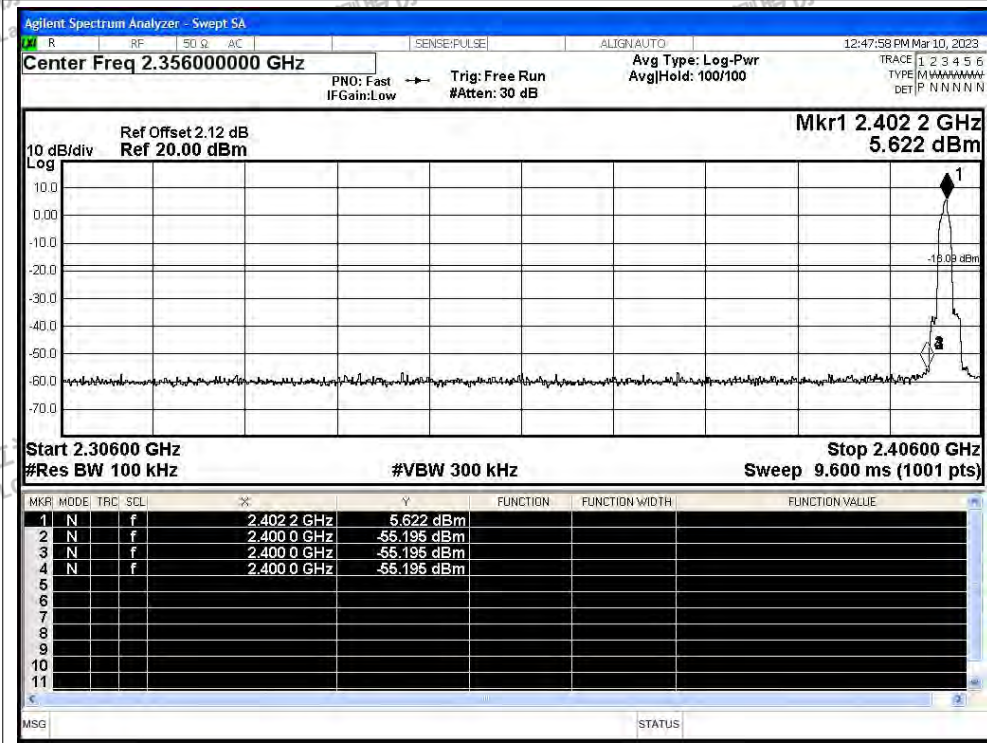




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

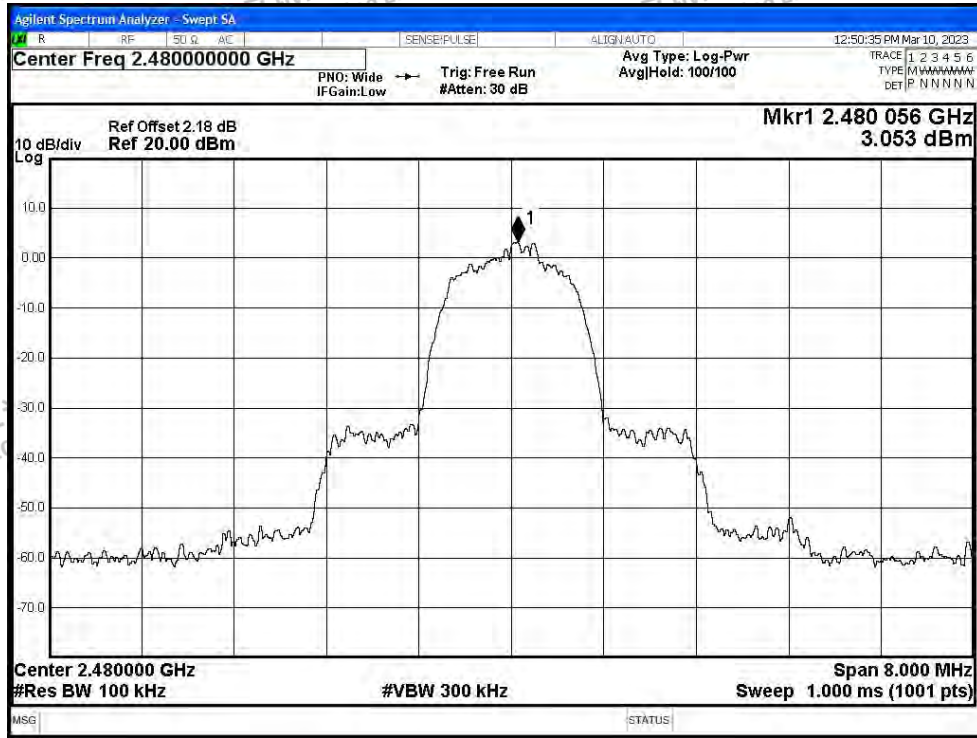


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

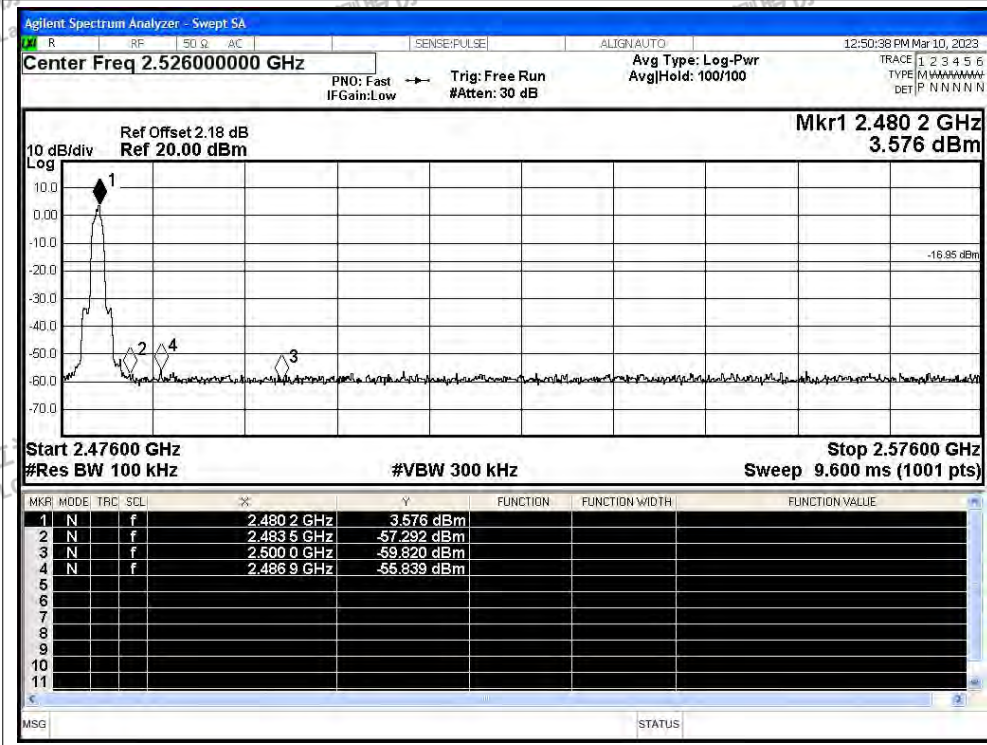




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

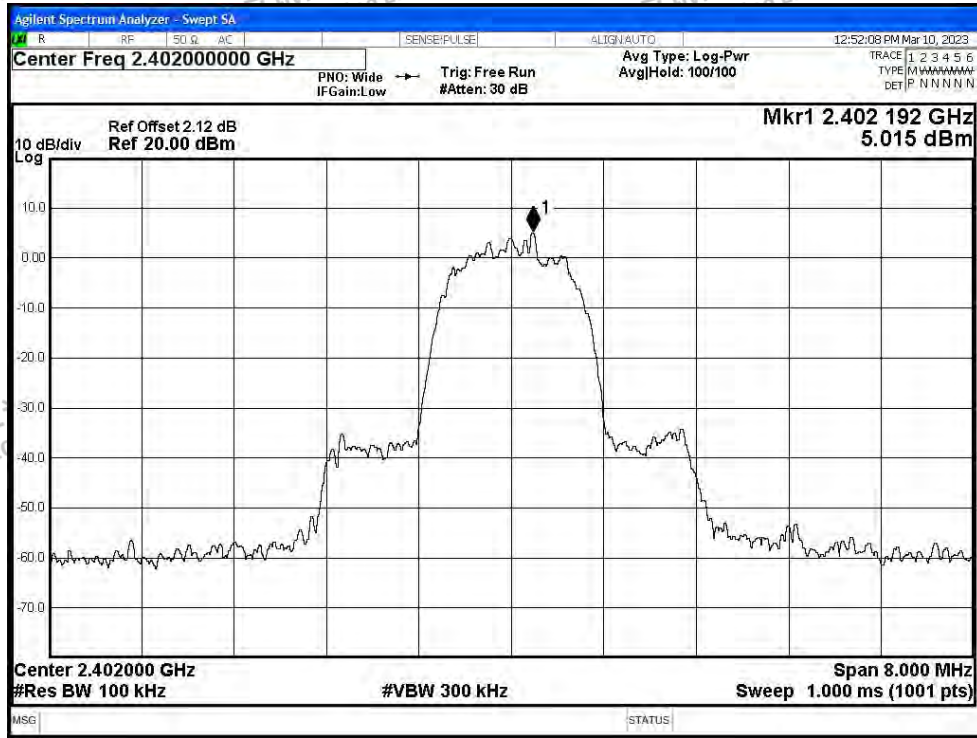


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

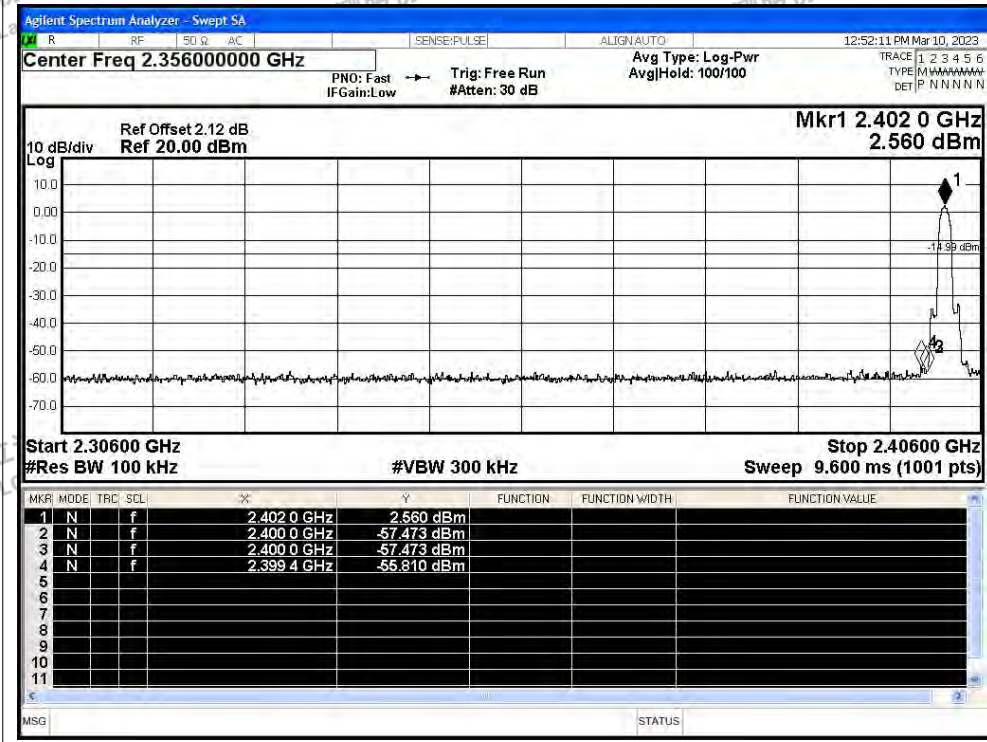




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

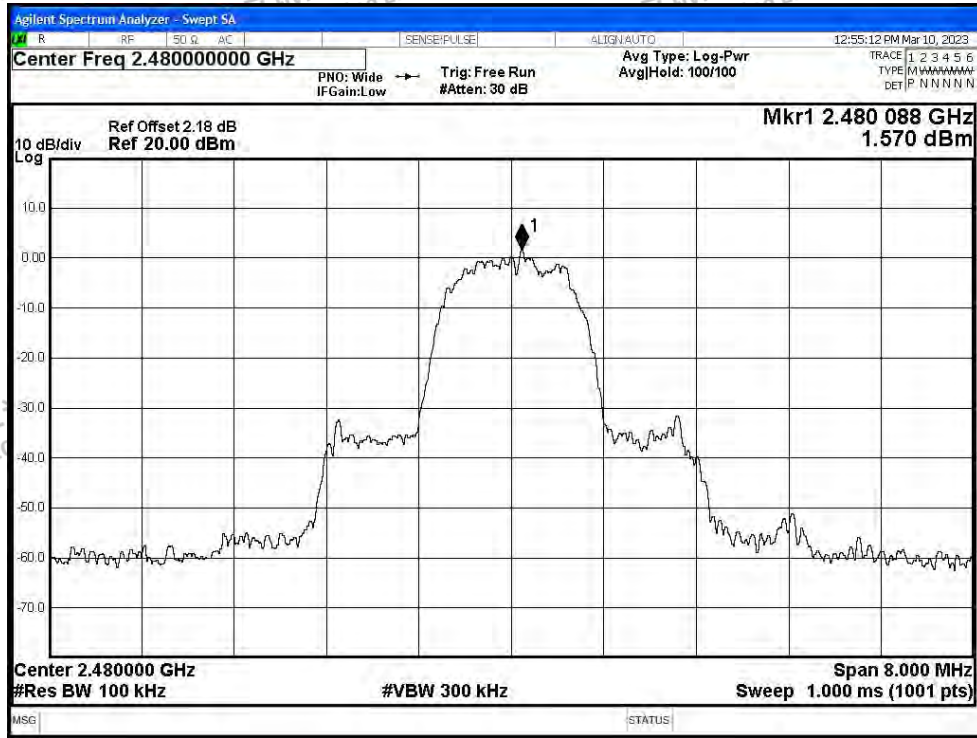


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

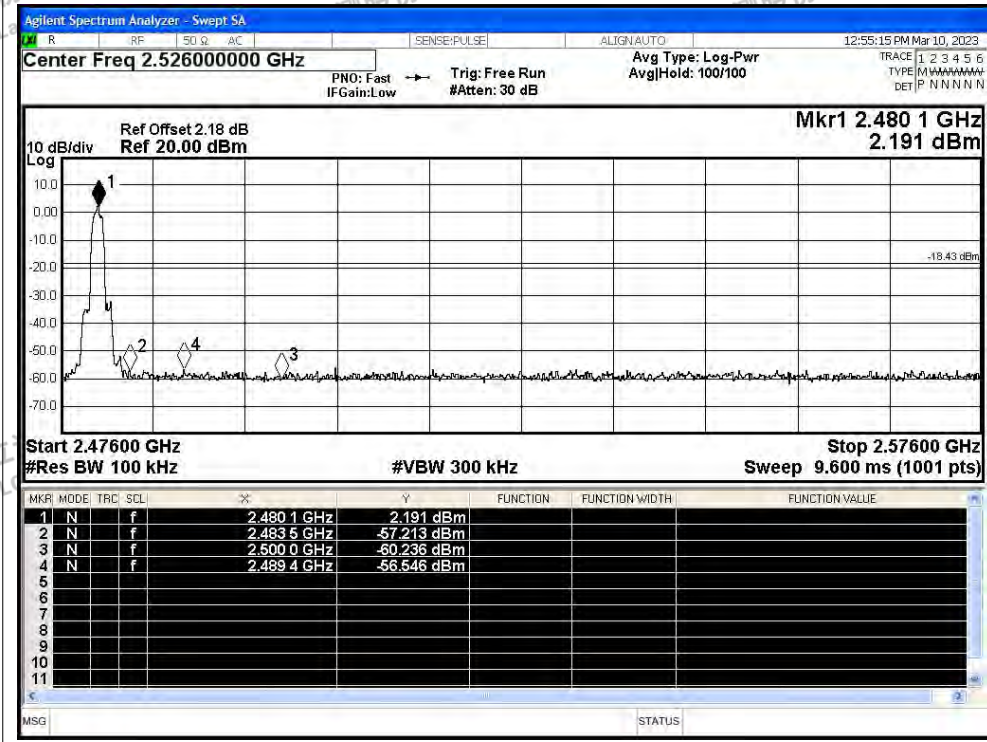




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-64.36	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-60.9	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-63.04	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.31	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-62.79	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-60.51	-20	Pass

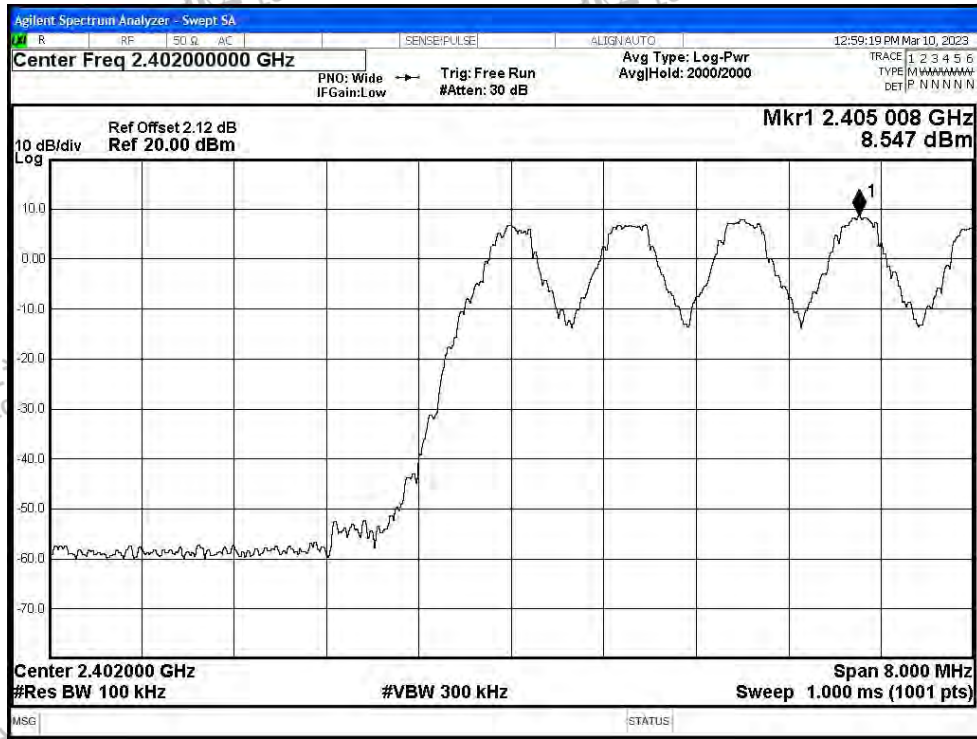


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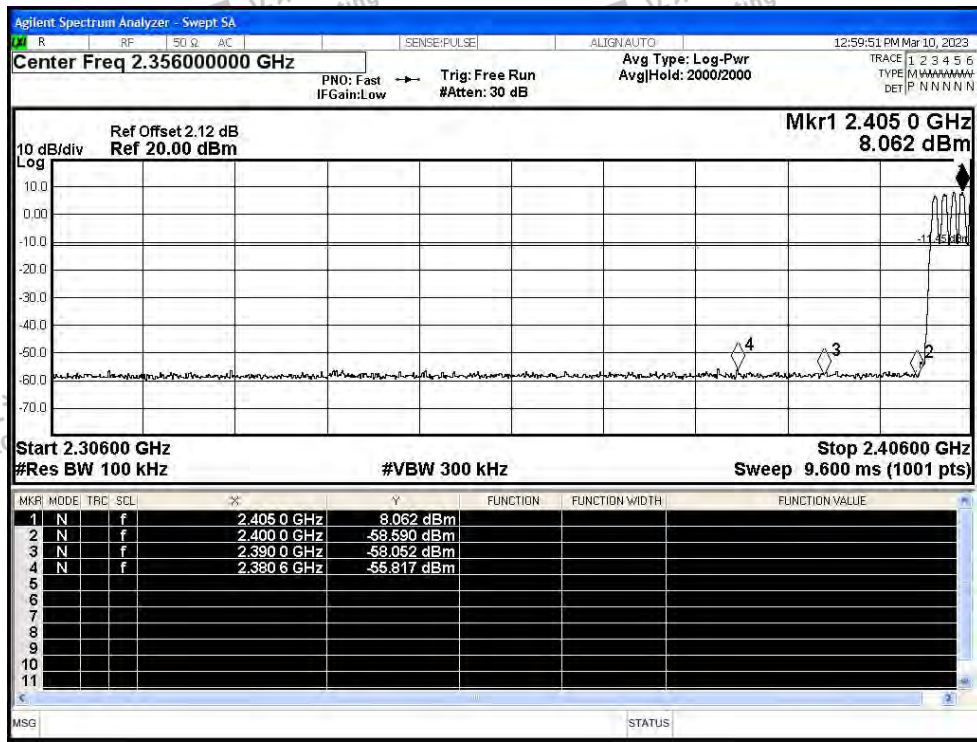


Test Graphs

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

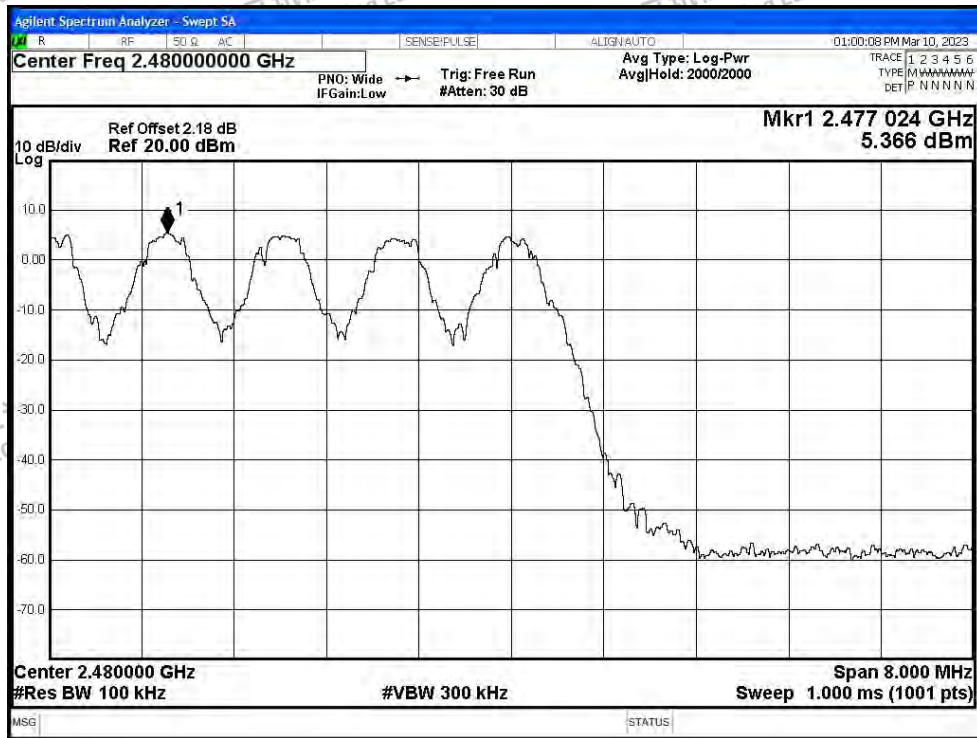


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

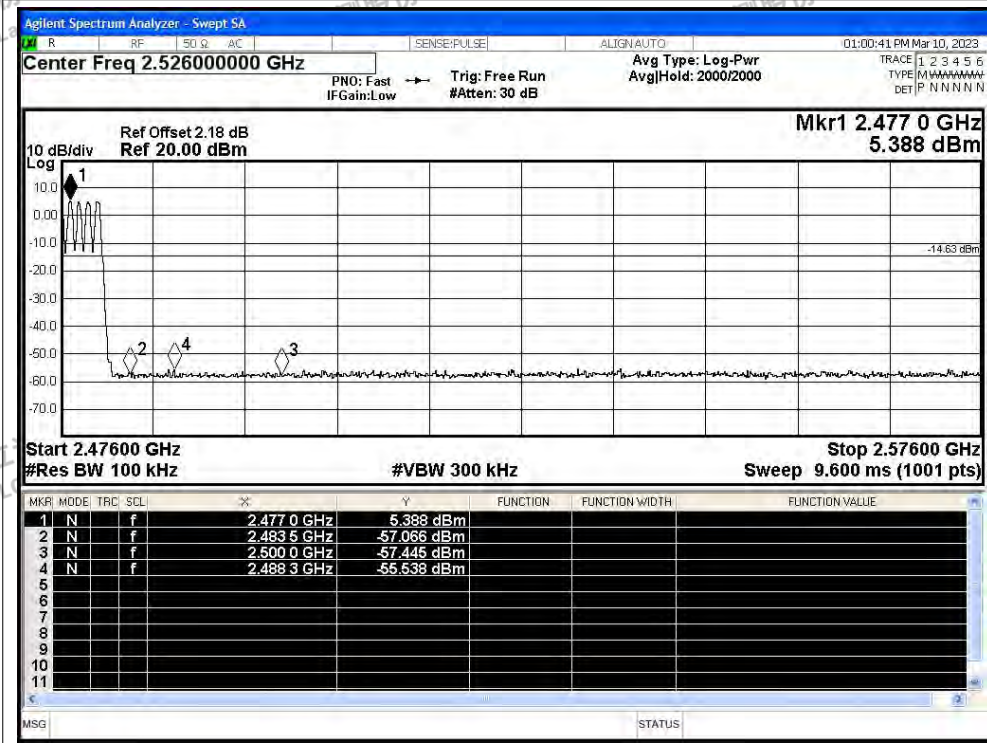




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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

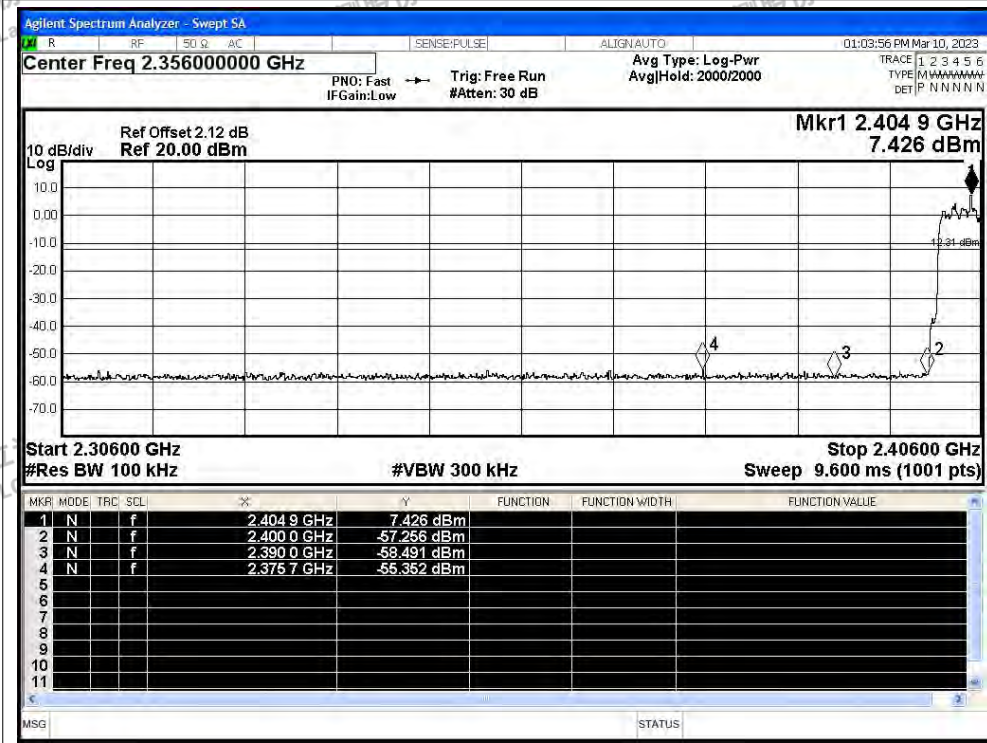




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

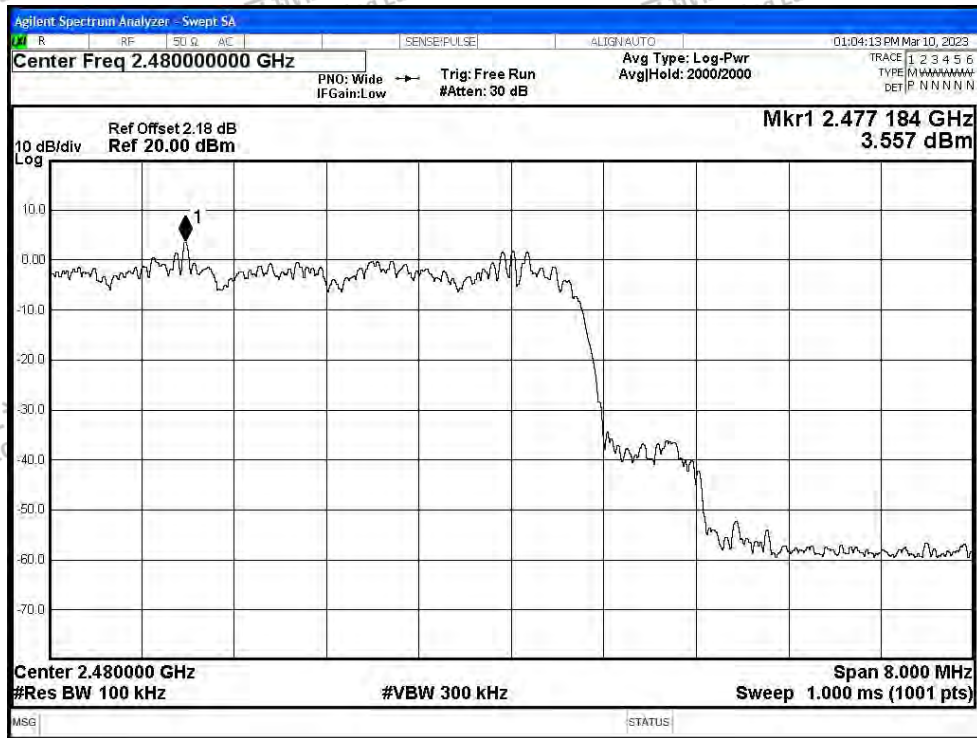


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

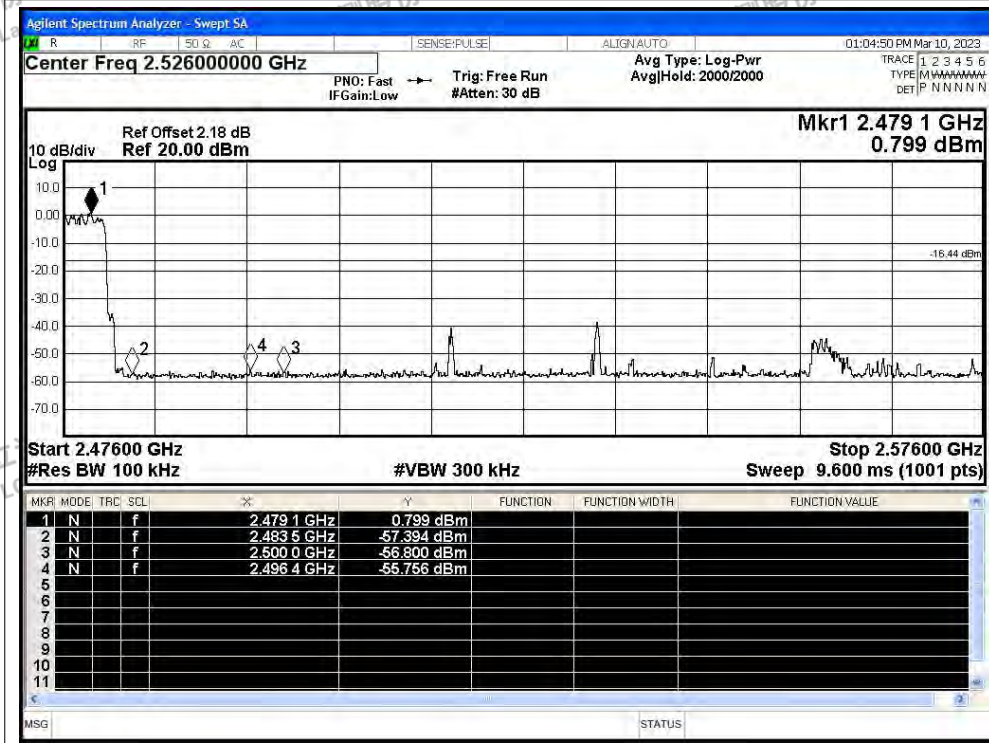




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

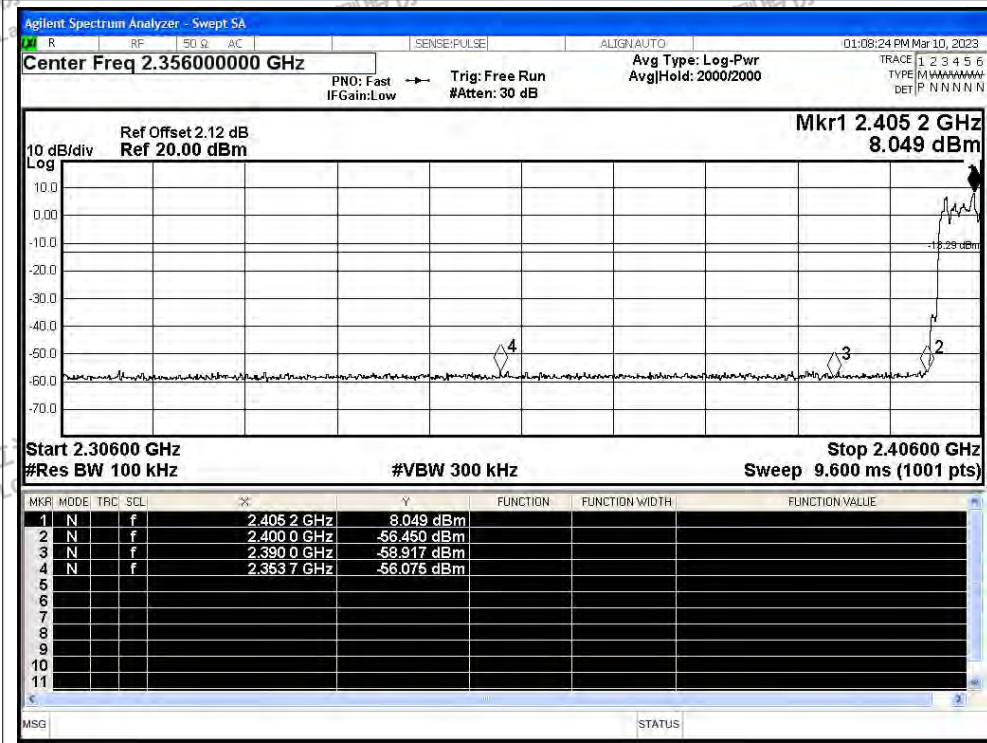




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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

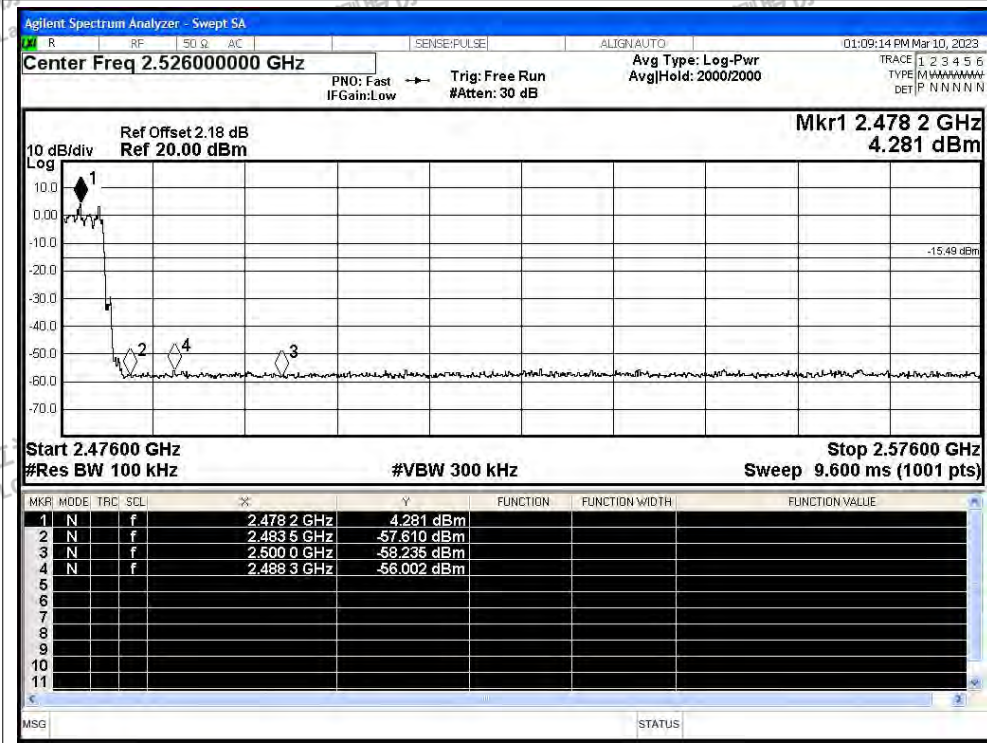




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-49.14	-20	Pass
NVNT	1-DH5	2441	Ant1	-51.84	-20	Pass
NVNT	1-DH5	2480	Ant1	-51.23	-20	Pass
NVNT	2-DH5	2402	Ant1	-52.46	-20	Pass
NVNT	2-DH5	2441	Ant1	-54.69	-20	Pass
NVNT	2-DH5	2480	Ant1	-51.19	-20	Pass
NVNT	3-DH5	2402	Ant1	-60.46	-20	Pass
NVNT	3-DH5	2441	Ant1	-61.72	-20	Pass
NVNT	3-DH5	2480	Ant1	-52.33	-20	Pass

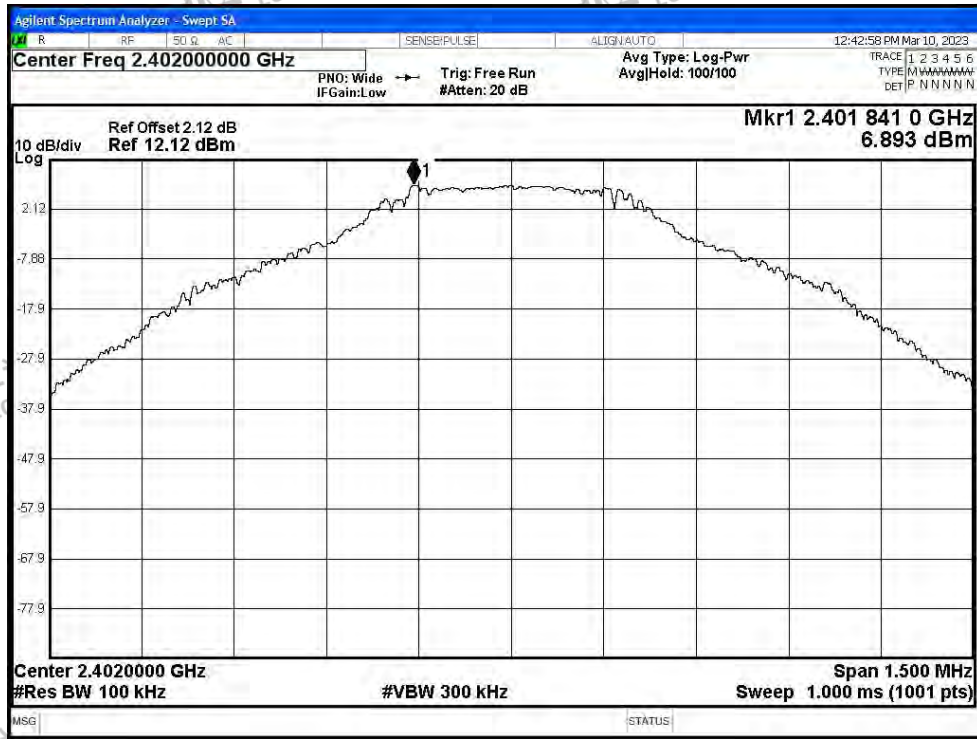


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Scan code to check authenticity

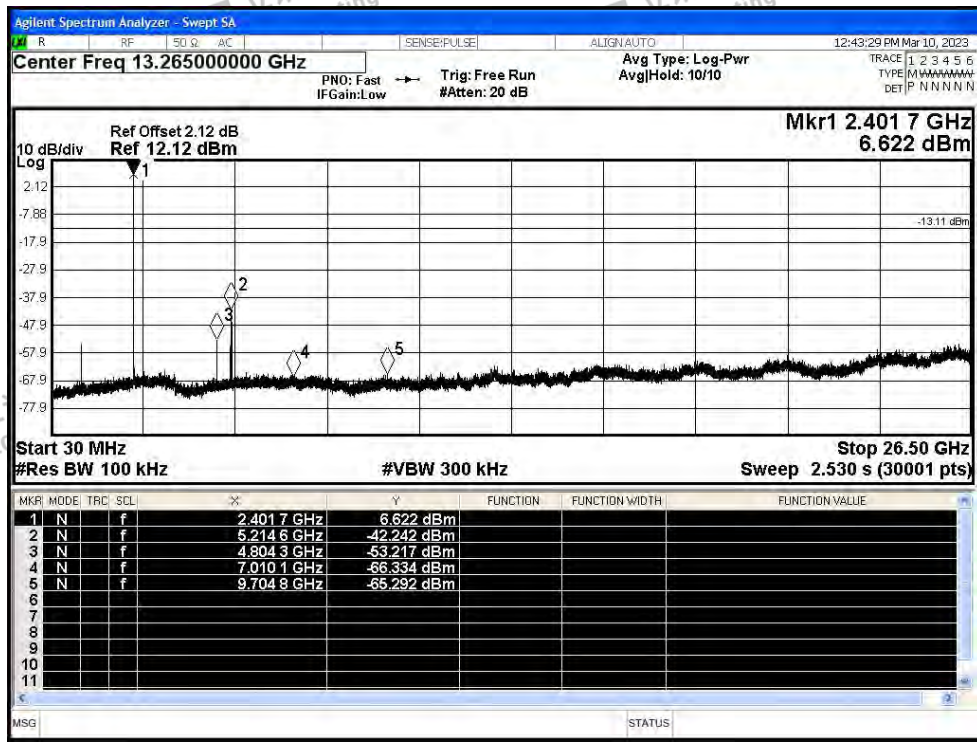


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

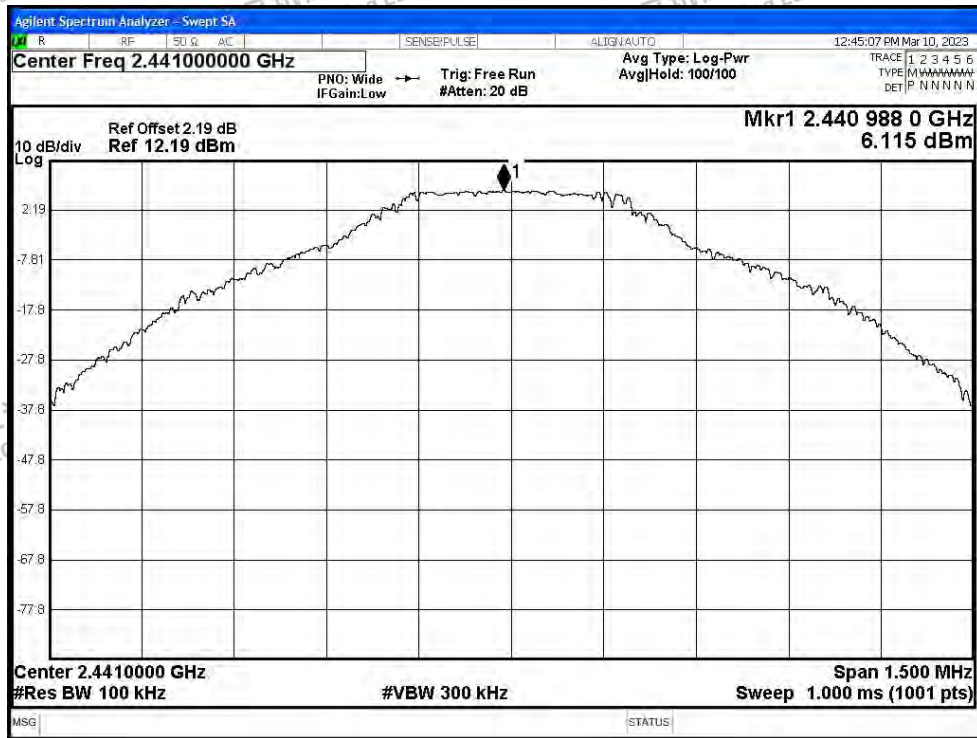


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

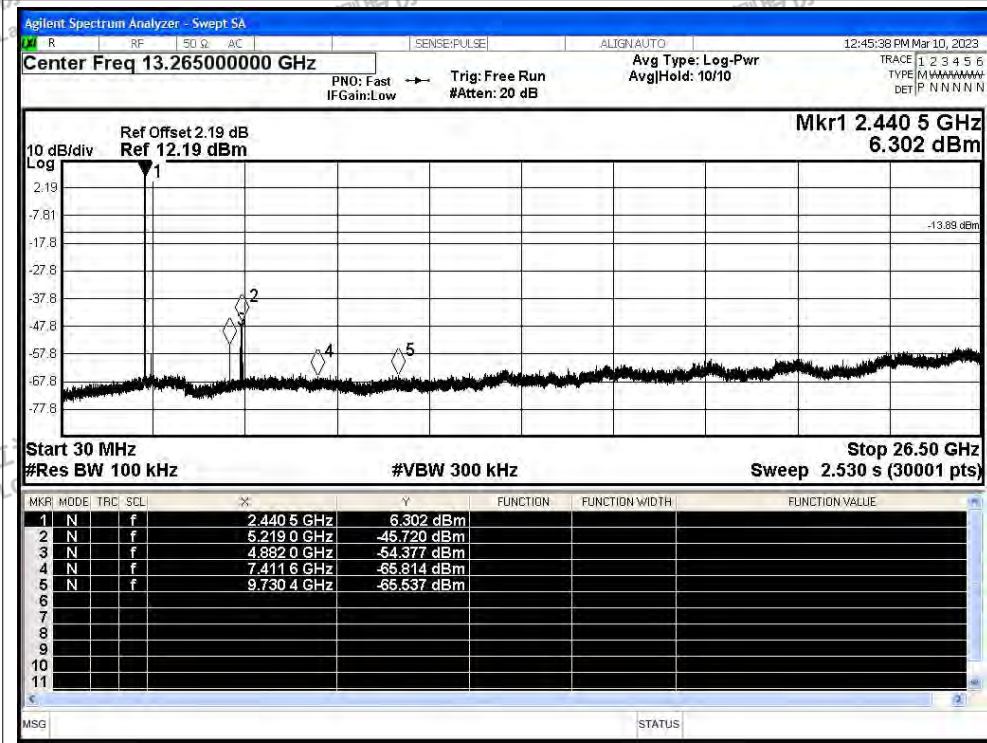




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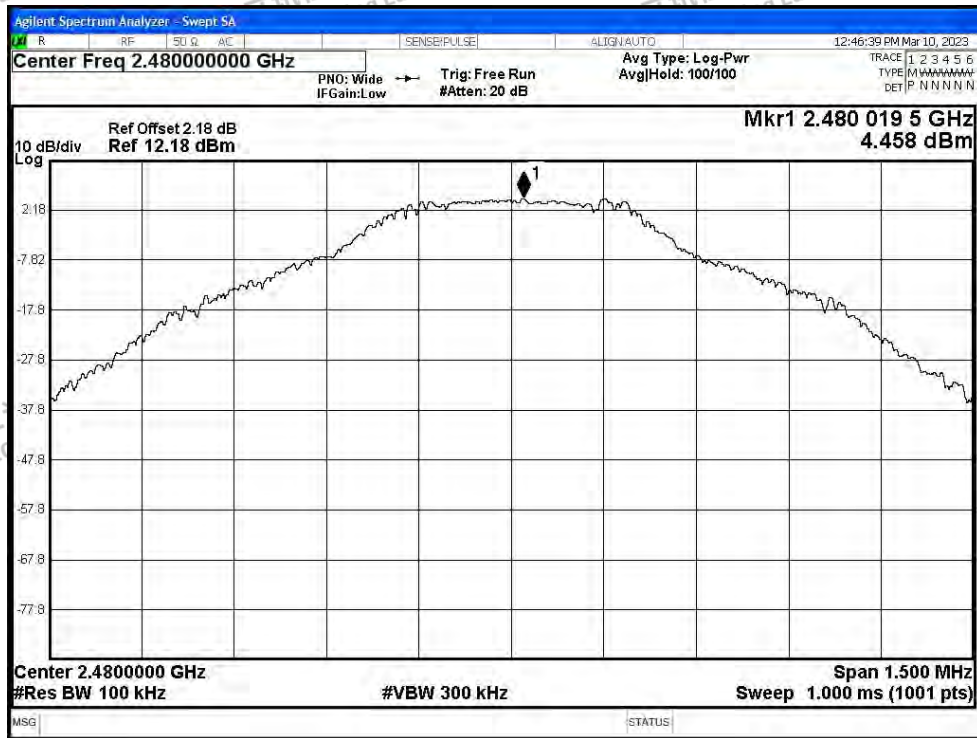


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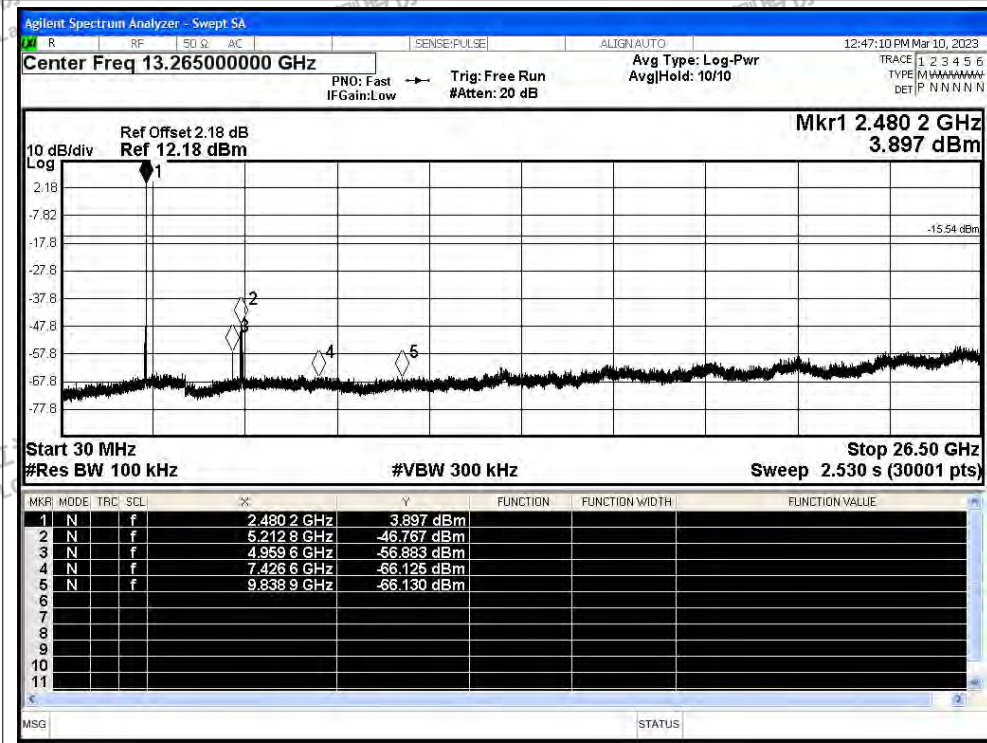




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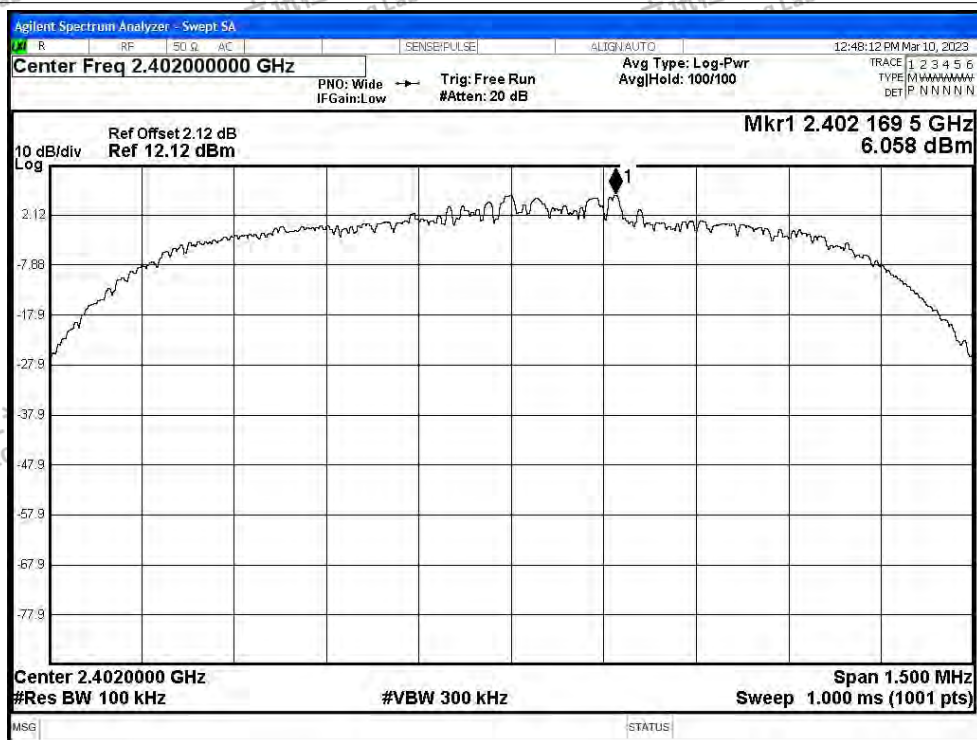


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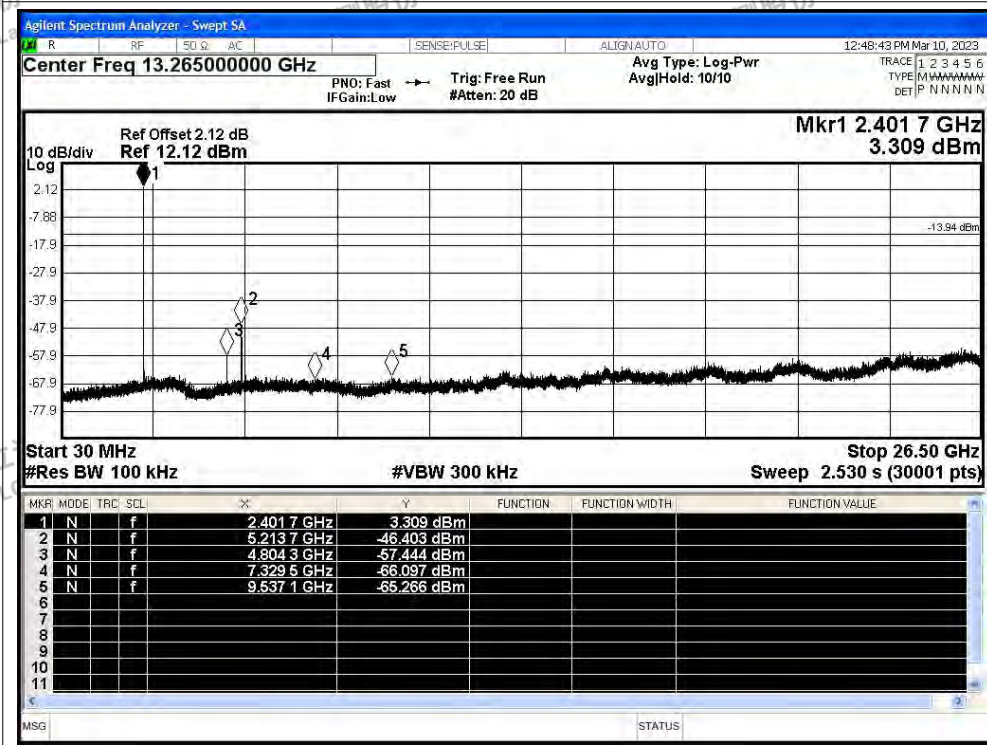




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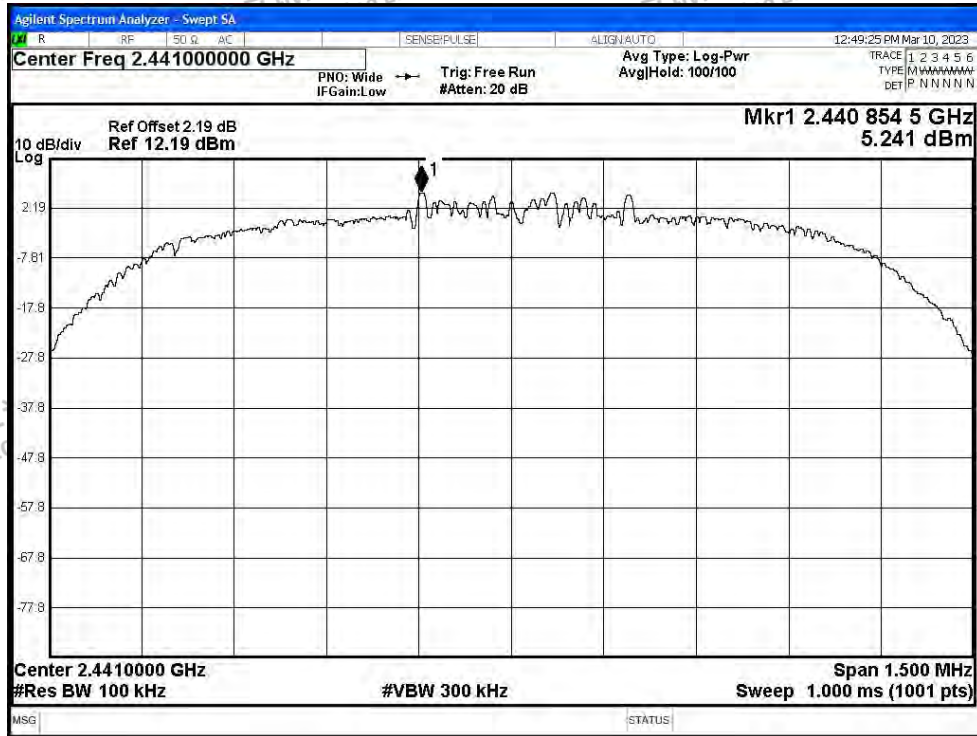


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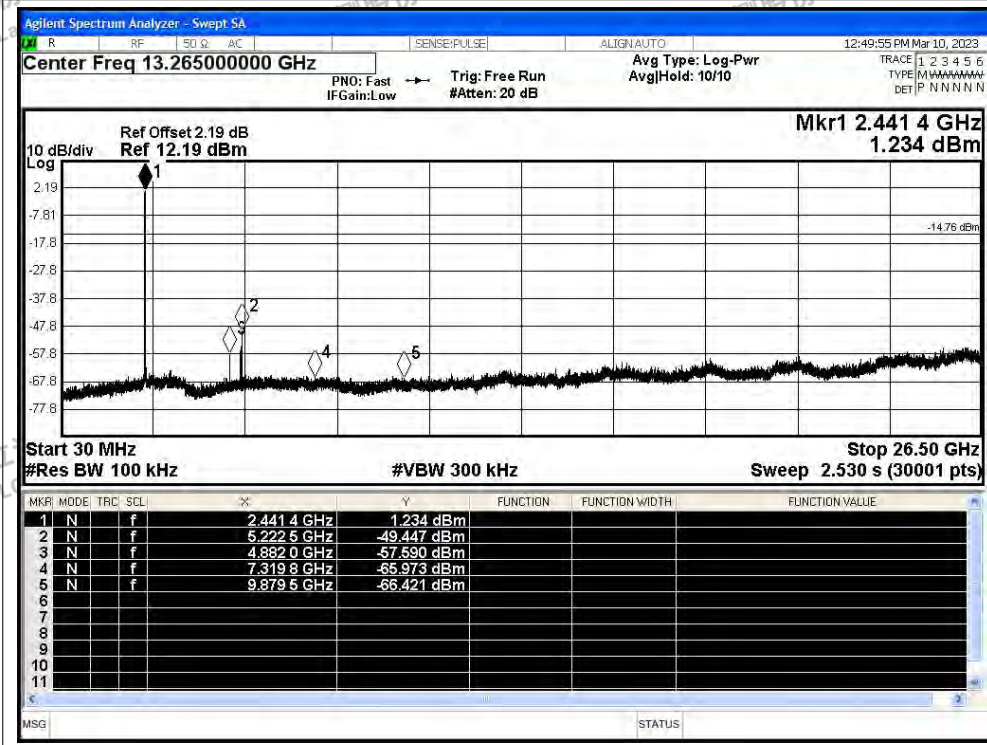




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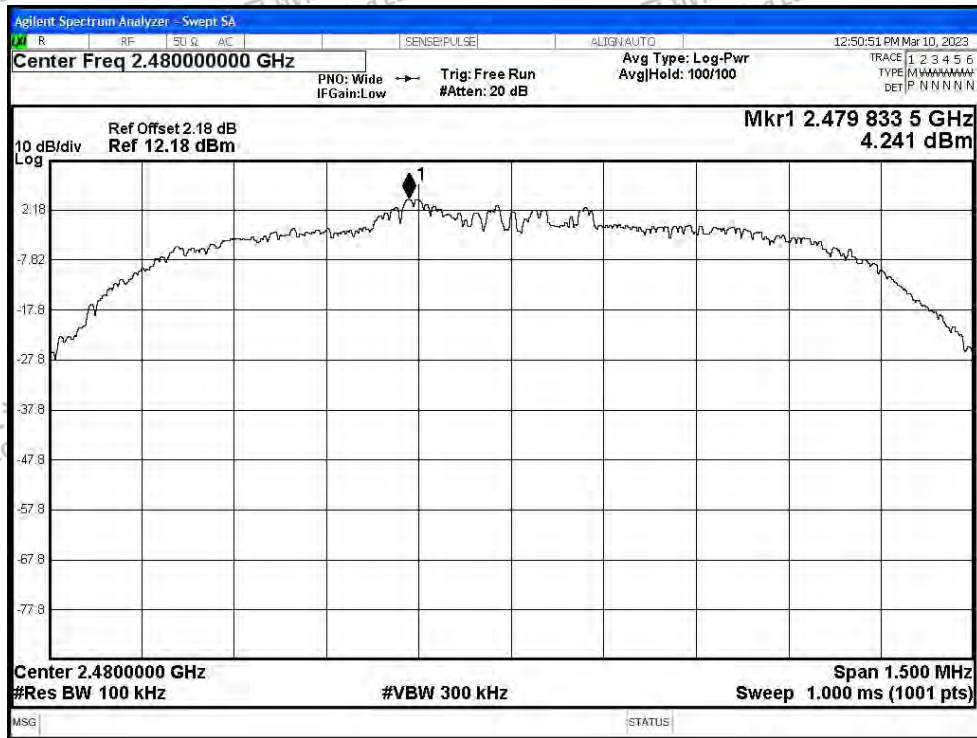


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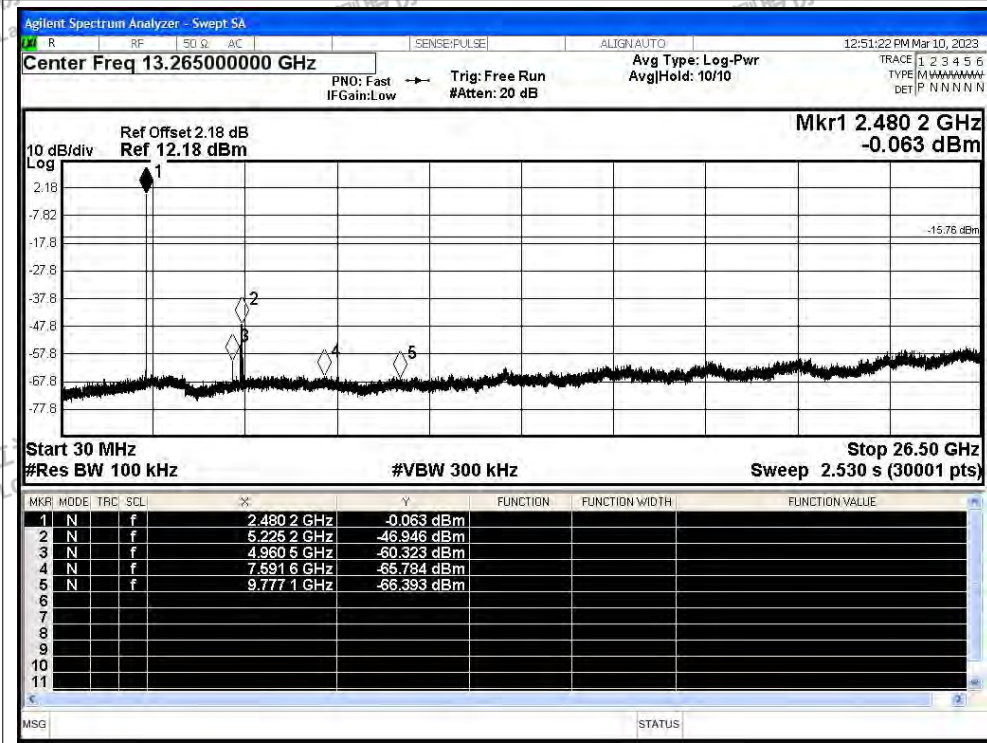




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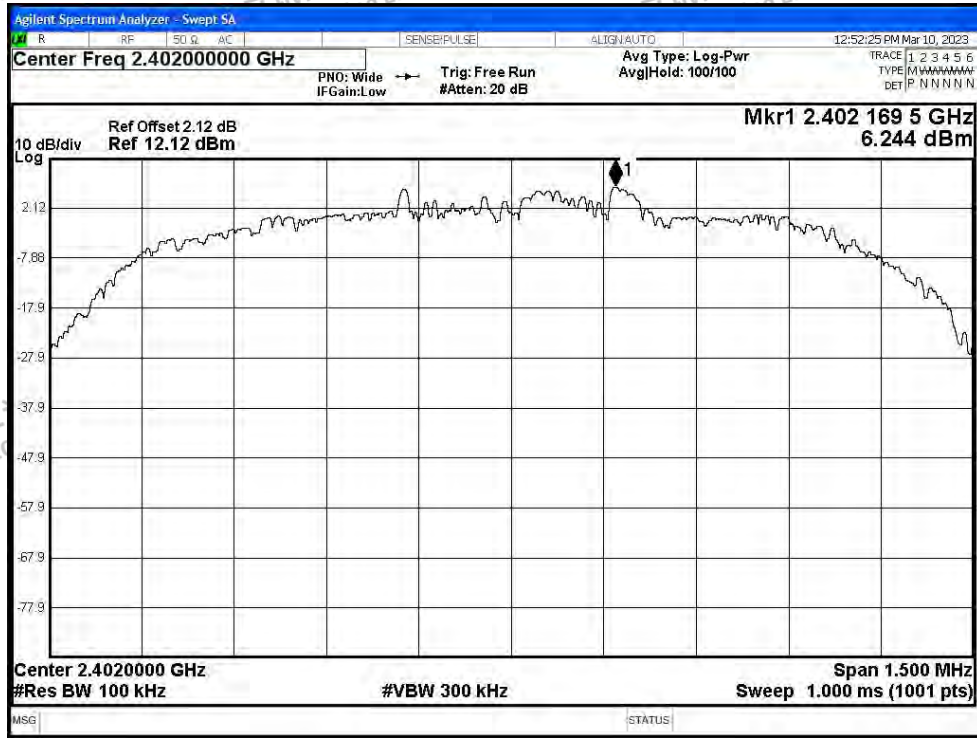


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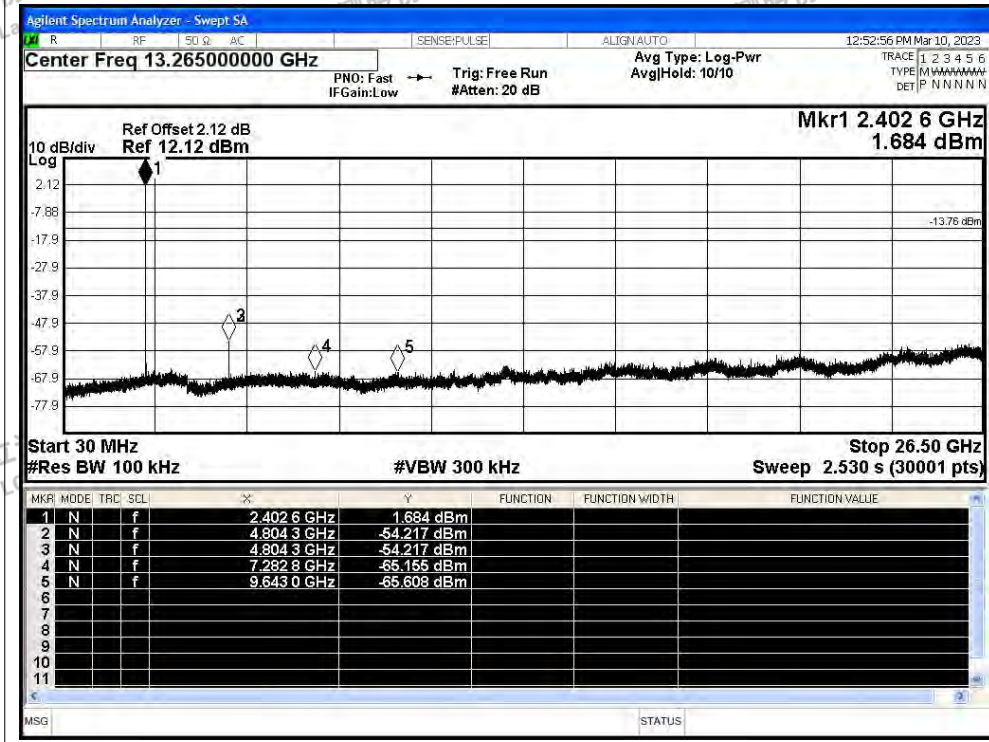




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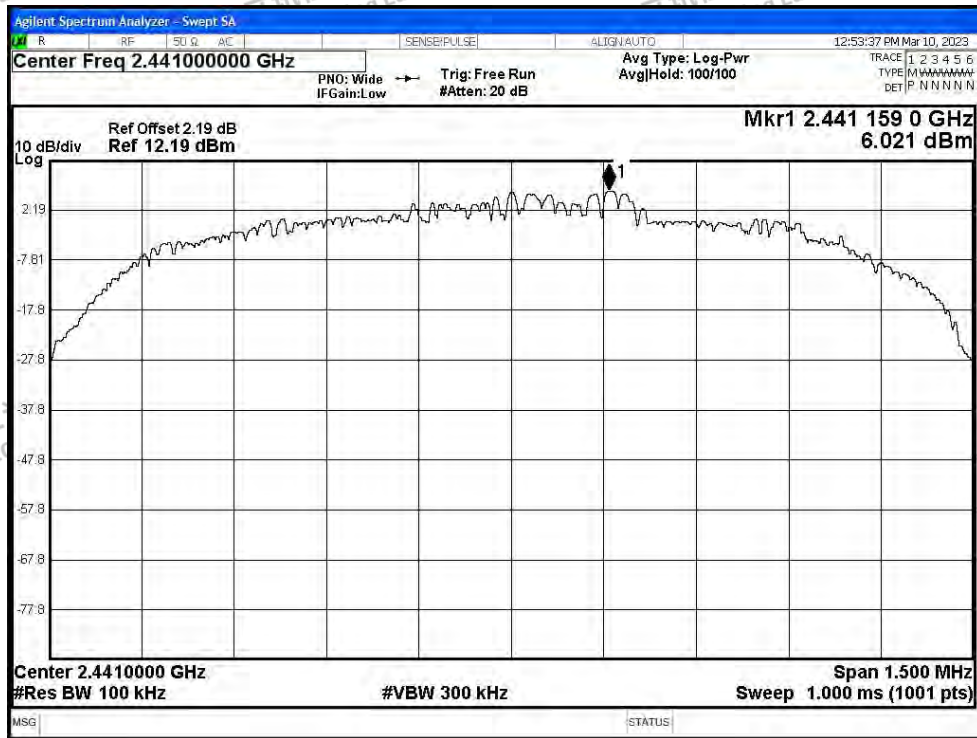


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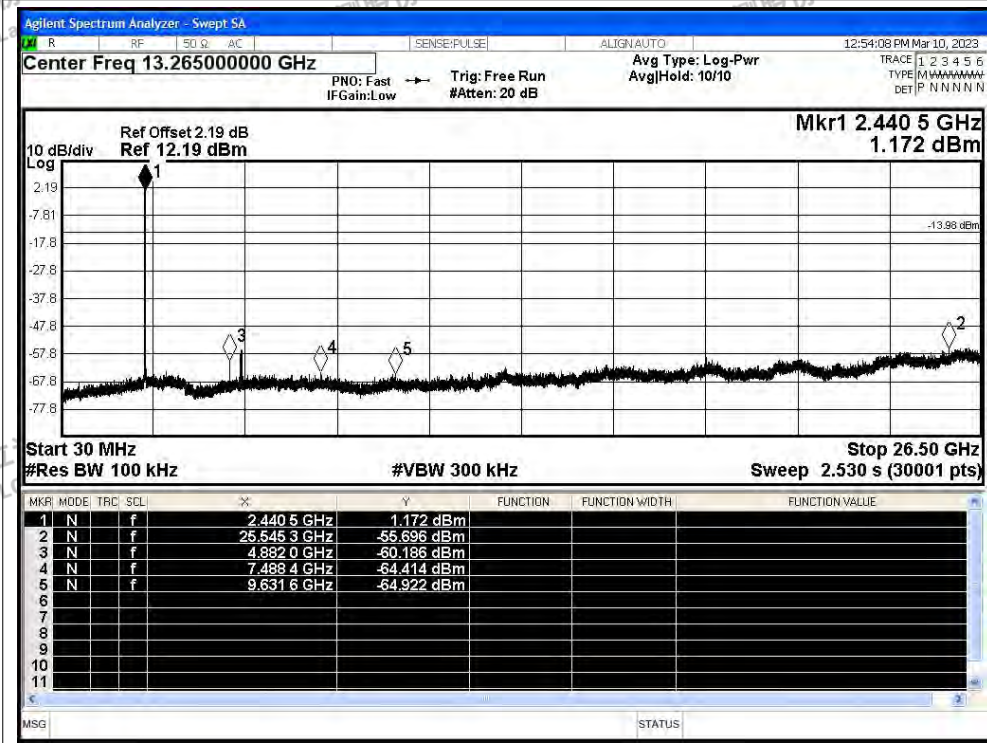




Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

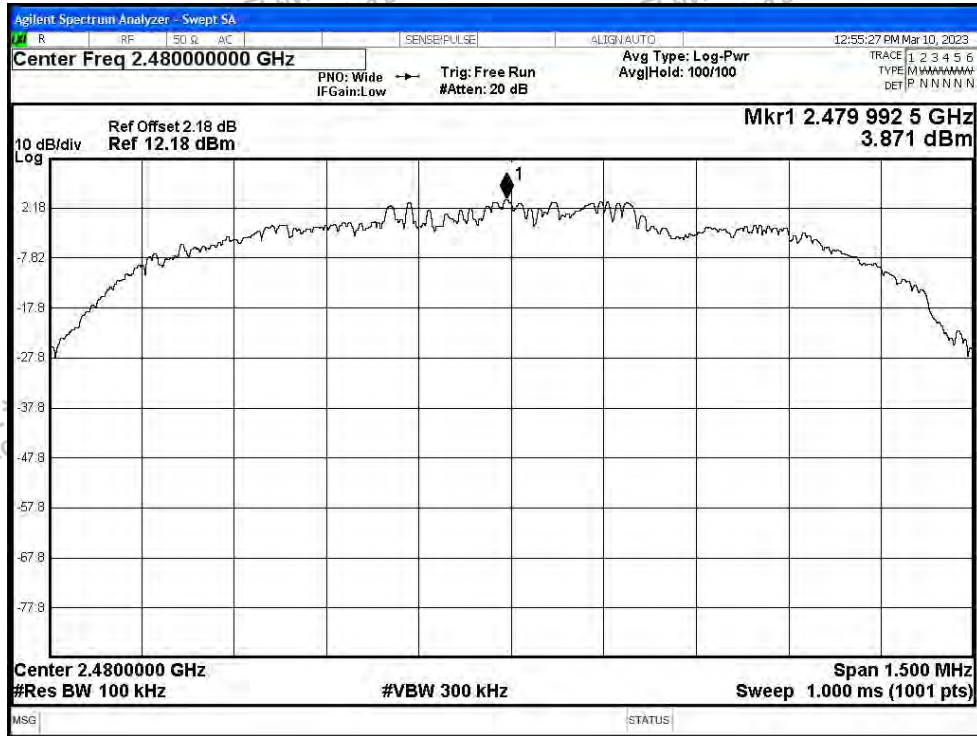


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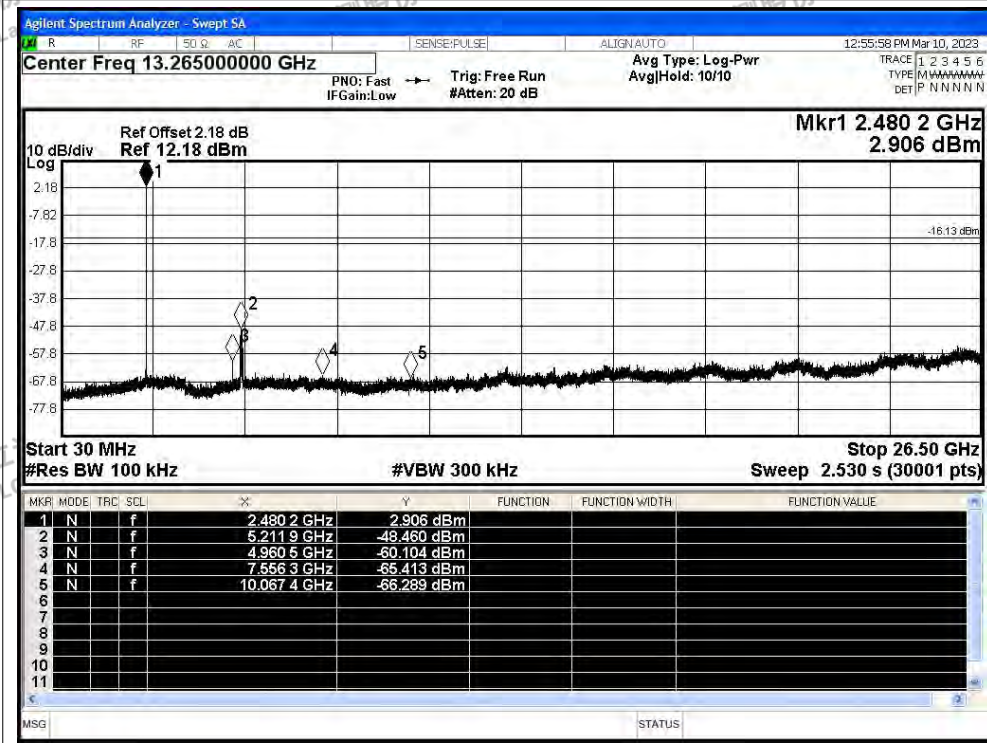




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



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	-50.62	2	46.64	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.36	2	36.9	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.872	-47.72	2	49.54	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.488	-59.83	2	37.43	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.41	2	46.85	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.95	2	37.31	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.66	2	47.6	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-59.1	2	38.16	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2492.56	-46.88	2	50.38	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.896	-58.9	2	38.36	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.94	2	45.32	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-59.64	2	37.62	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.33	2	47.93	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.4	2	36.86	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2315.472	-47.09	2	50.17	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2388.912	-59.77	2	37.49	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.16	2	47.1	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.8	2	37.46	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-48.22	2	49.04	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-58.79	2	38.47	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.608	-46.72	2	50.54	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.536	-58.76	2	38.5	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.59	2	47.67	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.62	2	37.64	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.47	2	46.79	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.38	2	36.88	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2375.472	-47.34	2	49.92	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.968	-59.86	2	37.4	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-50.5	2	46.76	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.86	2	37.4	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-50.01	2	47.25	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-58.61	2	38.65	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2493.496	-46.06	2	51.2	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-58.61	2	38.65	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.56	2	47.7	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-59.65	2	37.61	Average	54	Pass

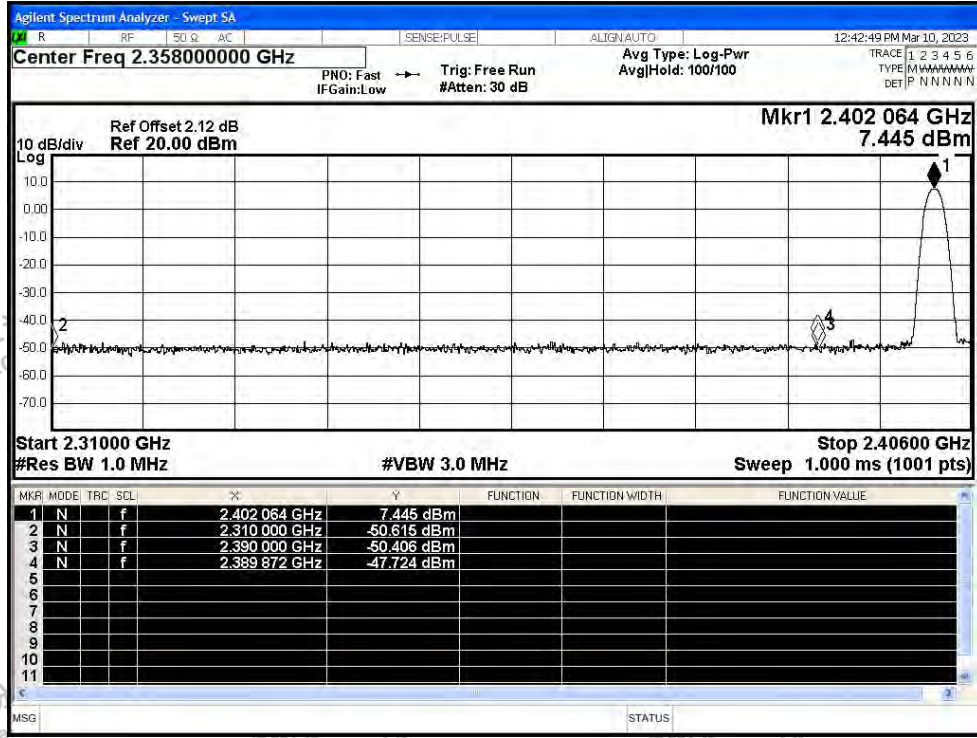


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 Scan code to check authenticity

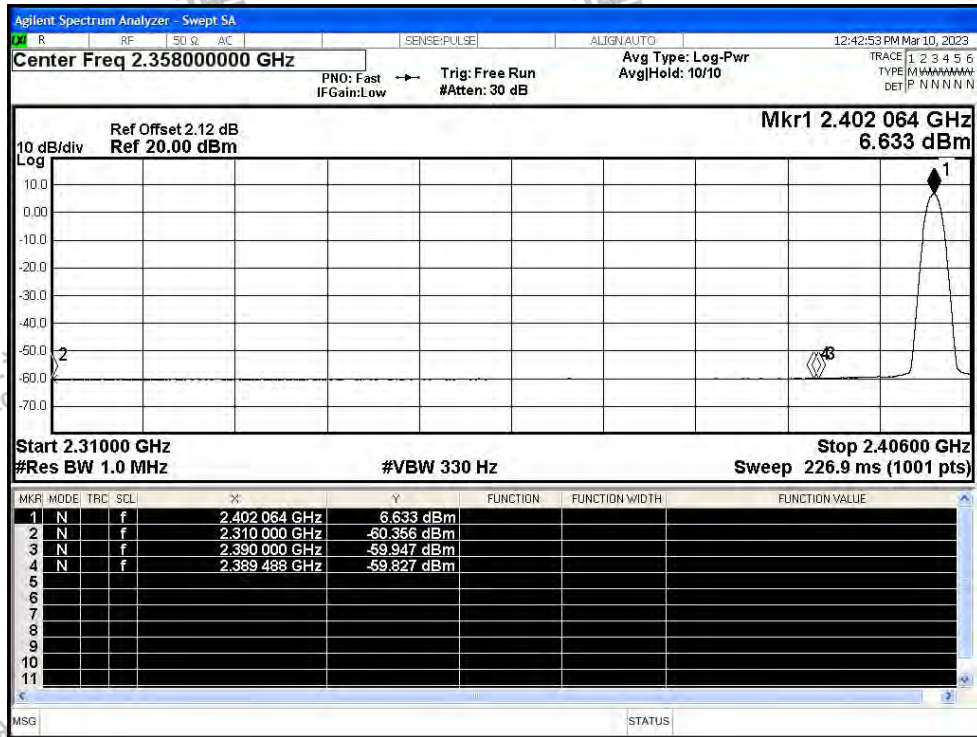


Test Graphs

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

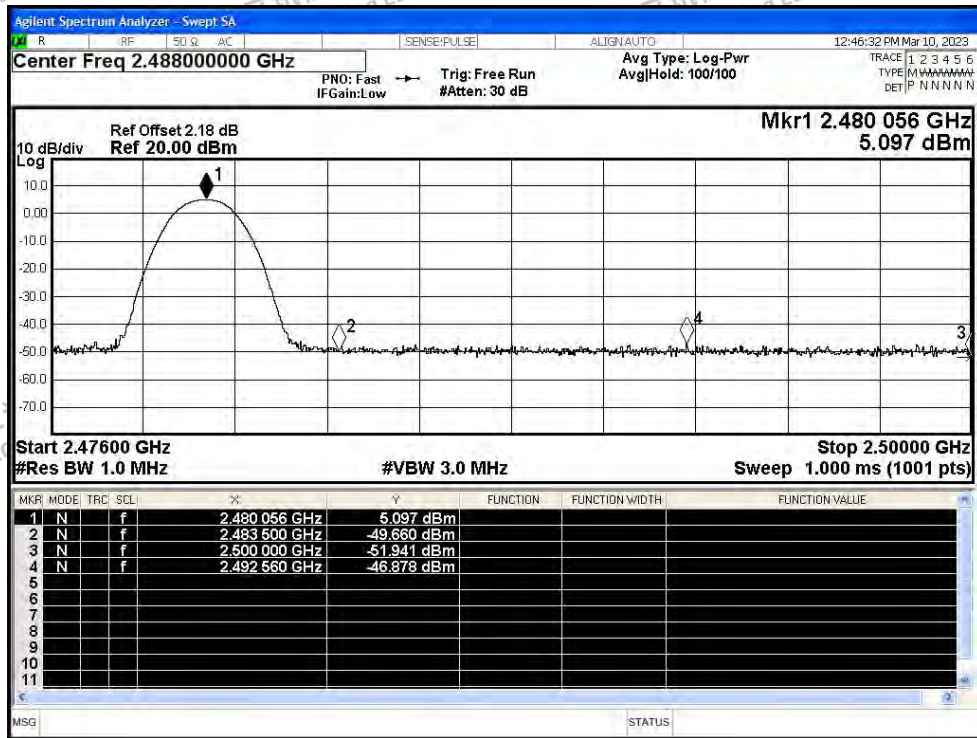


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

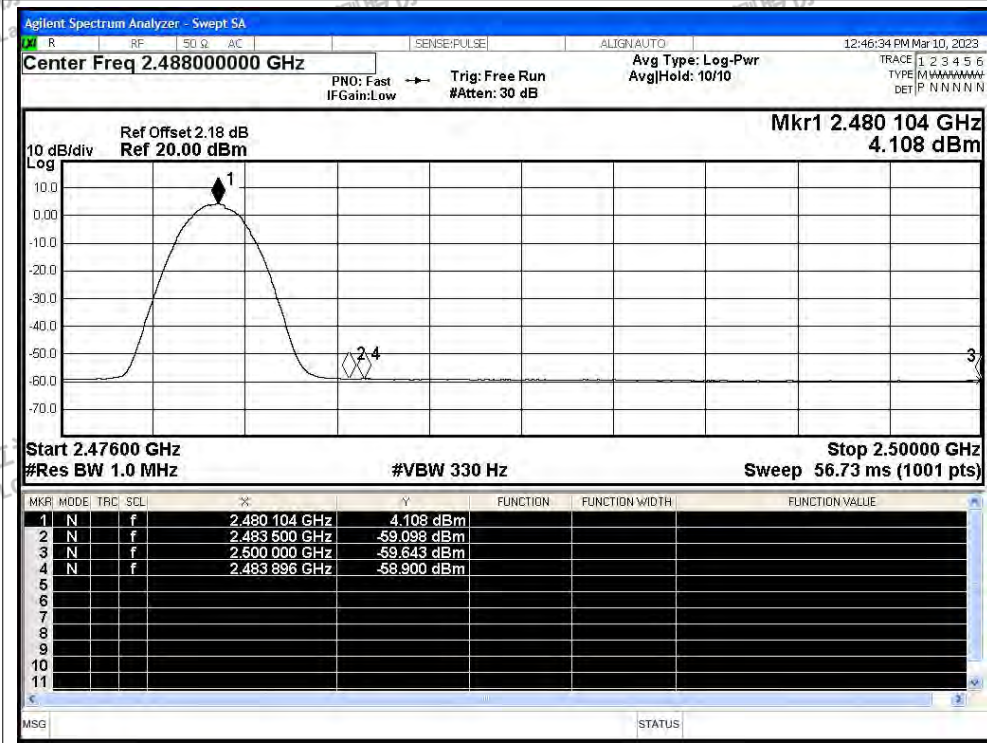




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

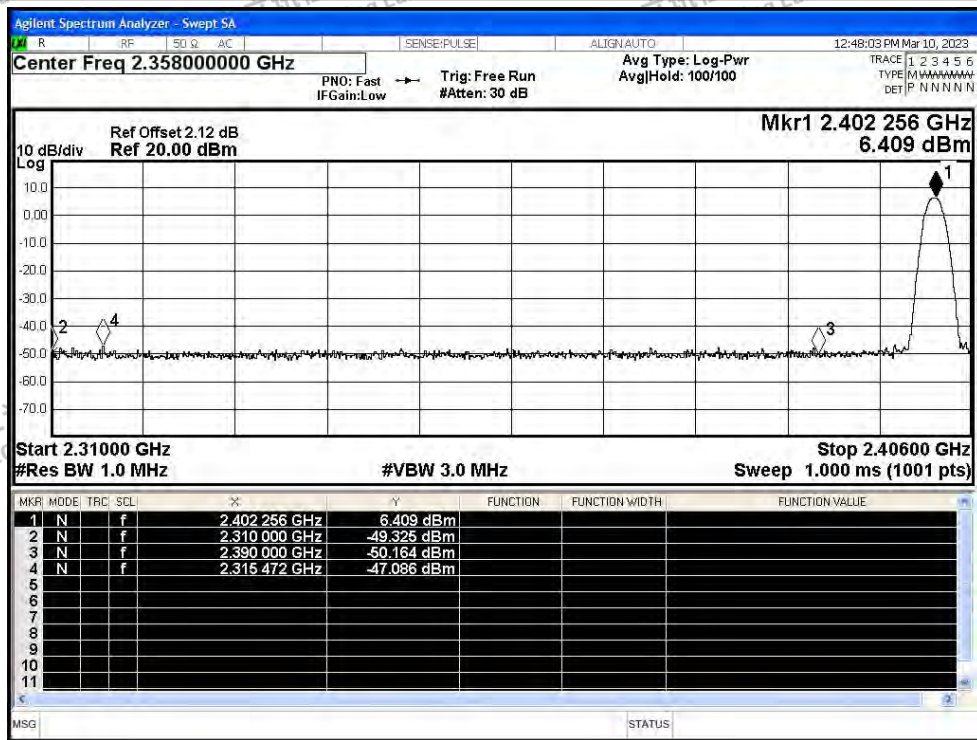


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

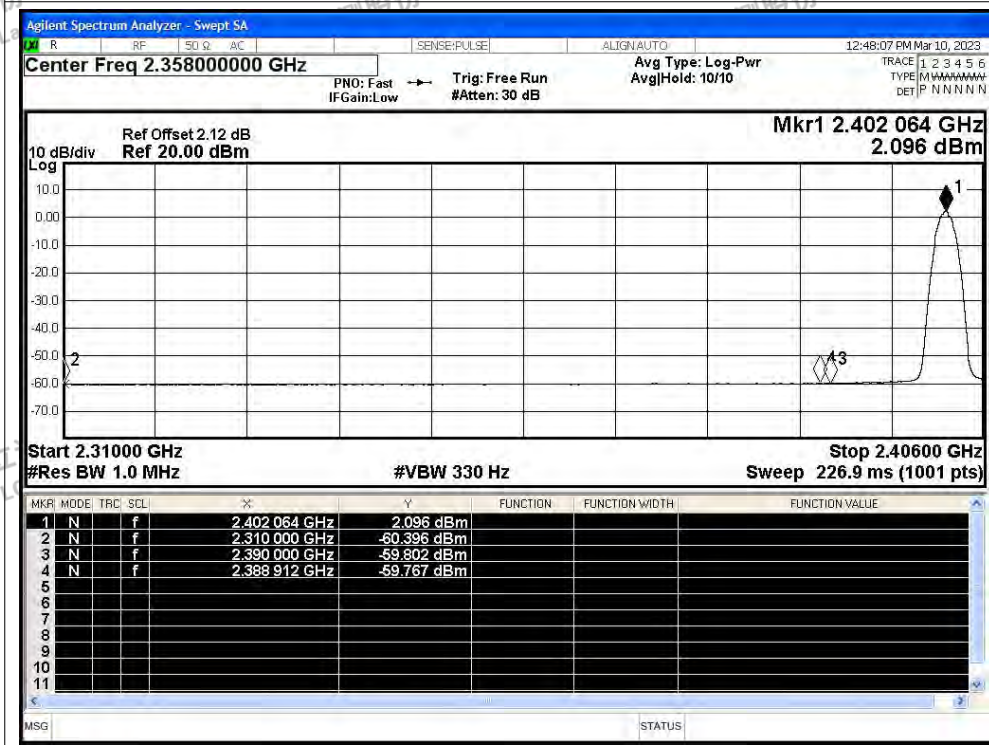




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

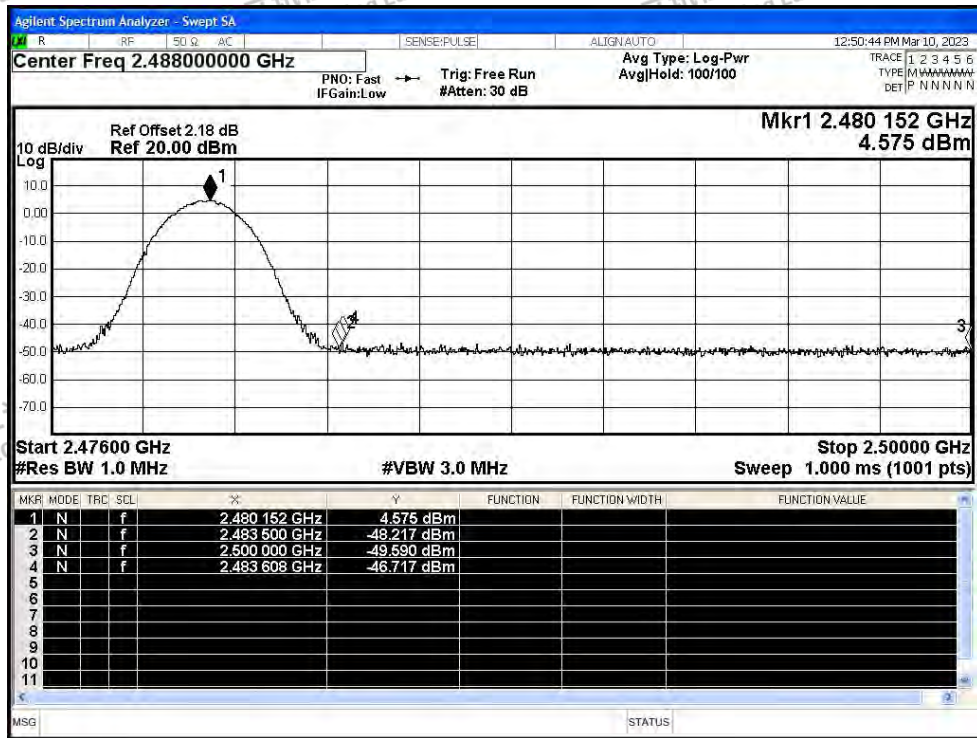


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

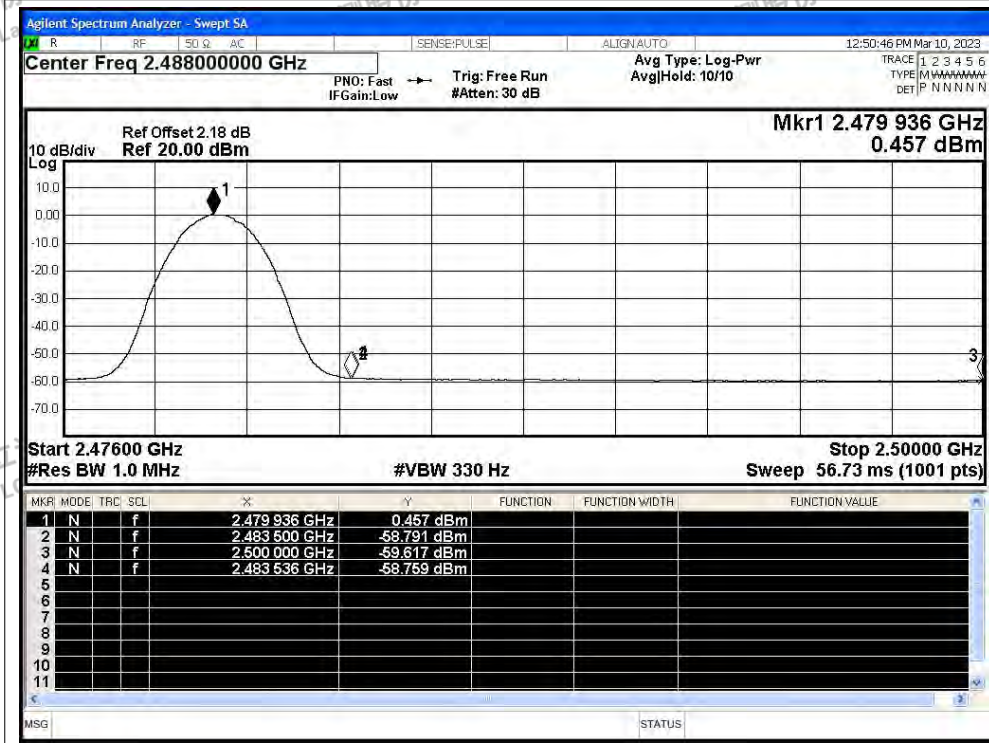




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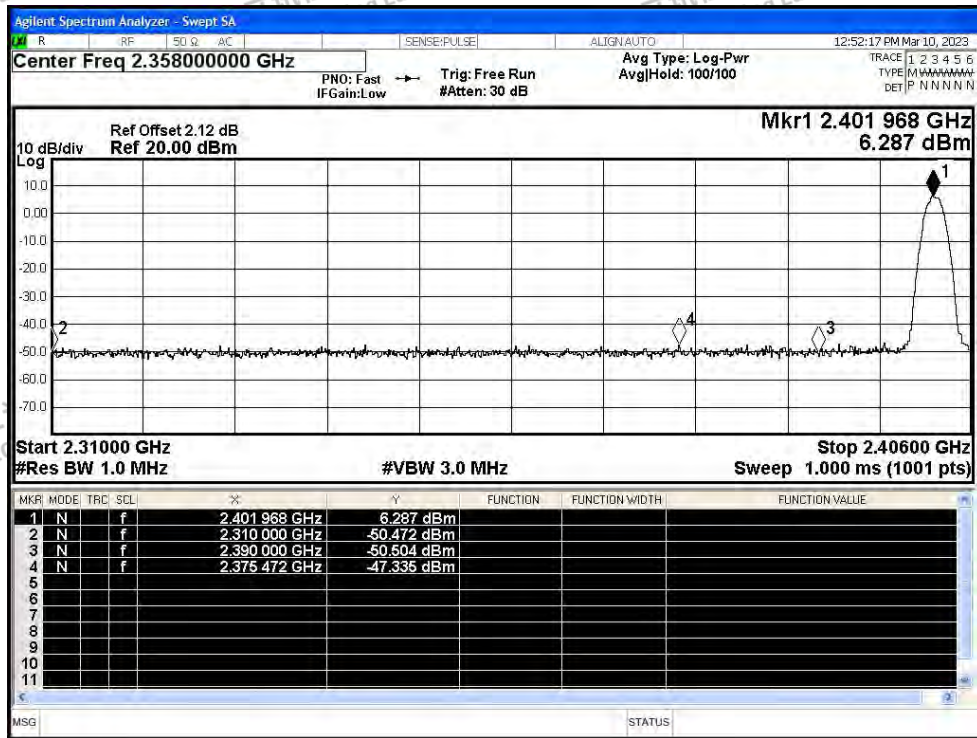


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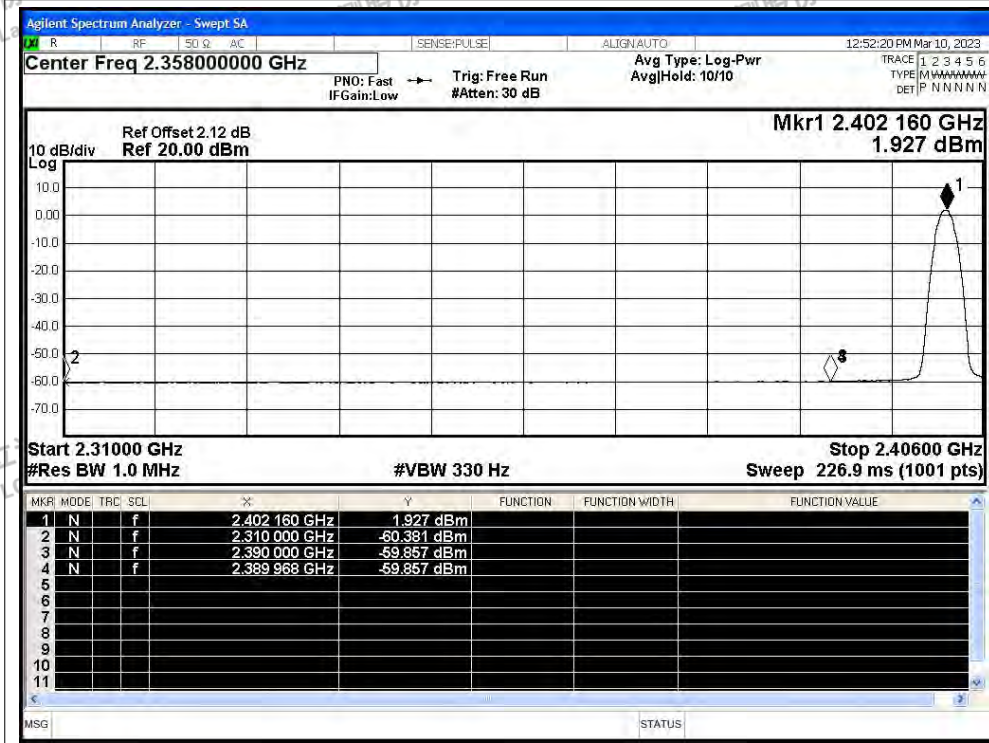




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

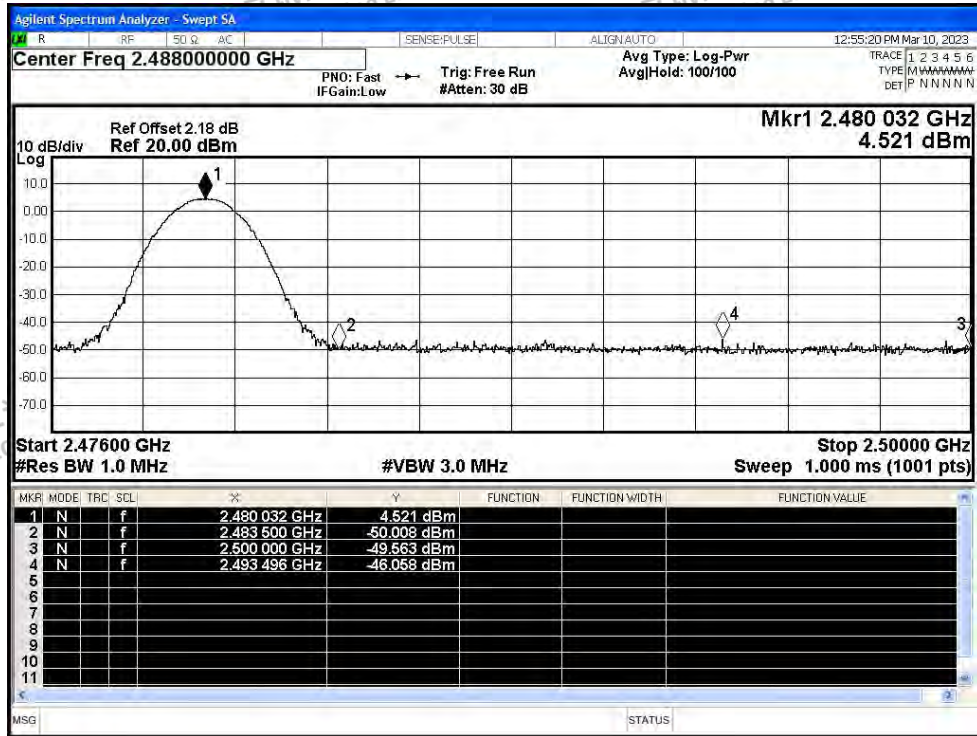


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

