

## Appendix A

### RF Test Data for BT (Conducted Measurement)

Product Name: 4G Tablet

Test Model: Smooth 8GT



#### Environmental Conditions

Temperature:	23.3° C
Relative Humidity:	52.4%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu





### A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.032	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.947	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.967	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.315	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.323	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.322	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.309	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.315	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.299	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

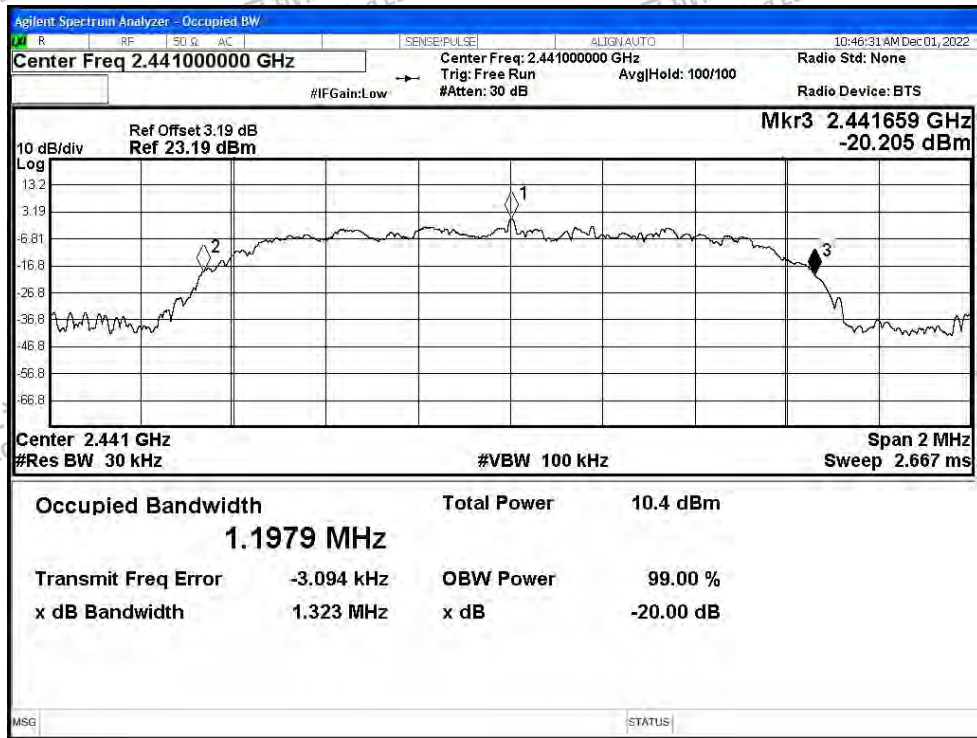


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1





-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

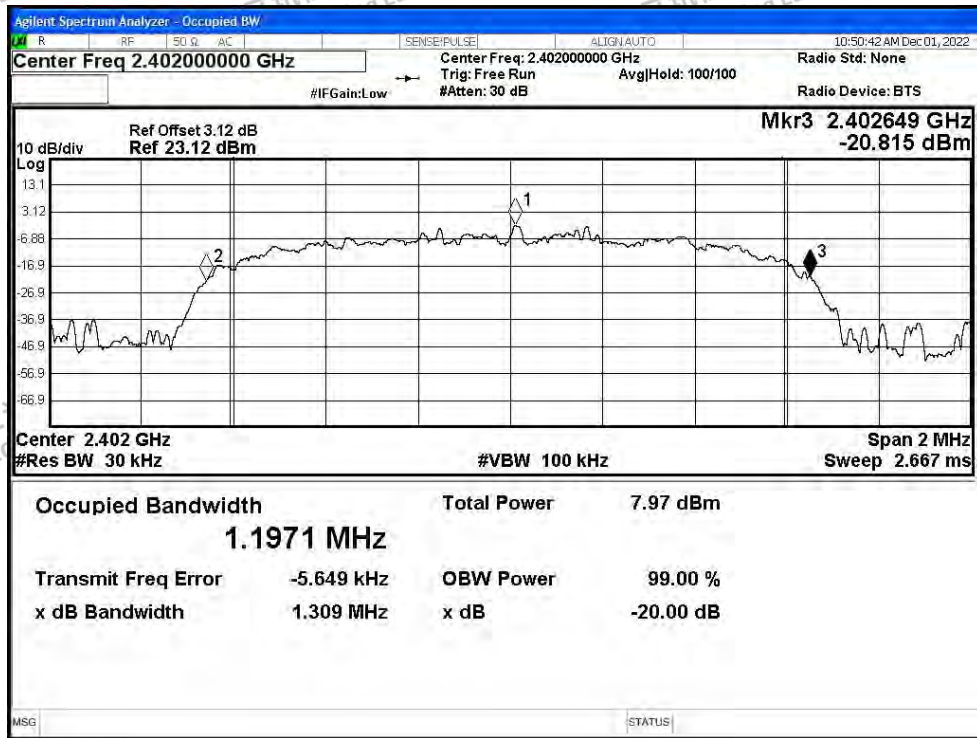


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

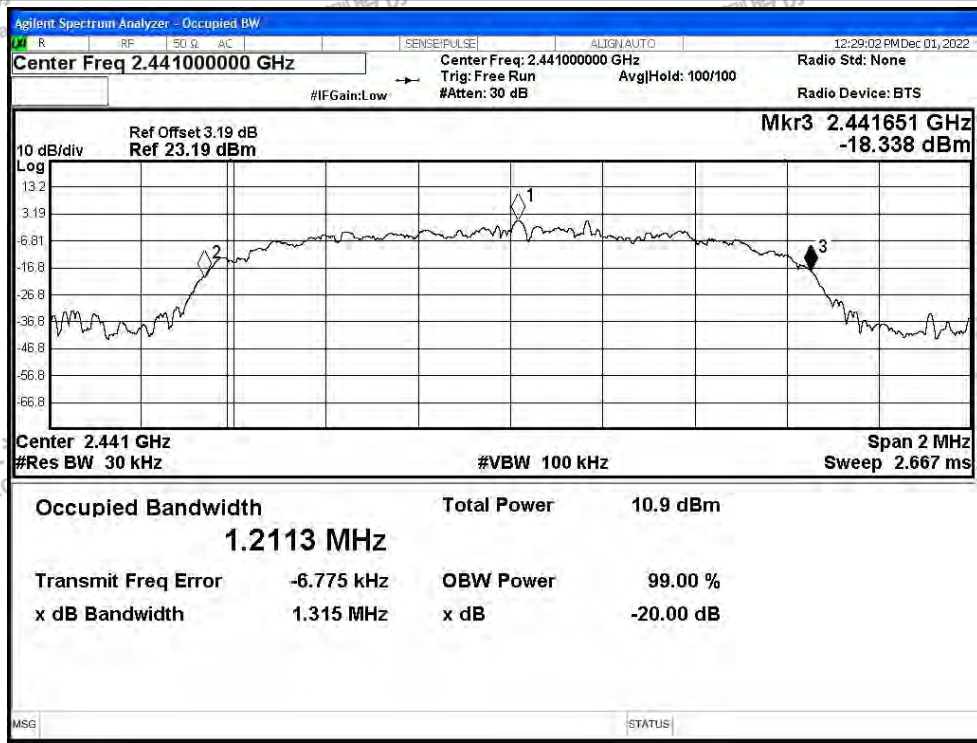




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

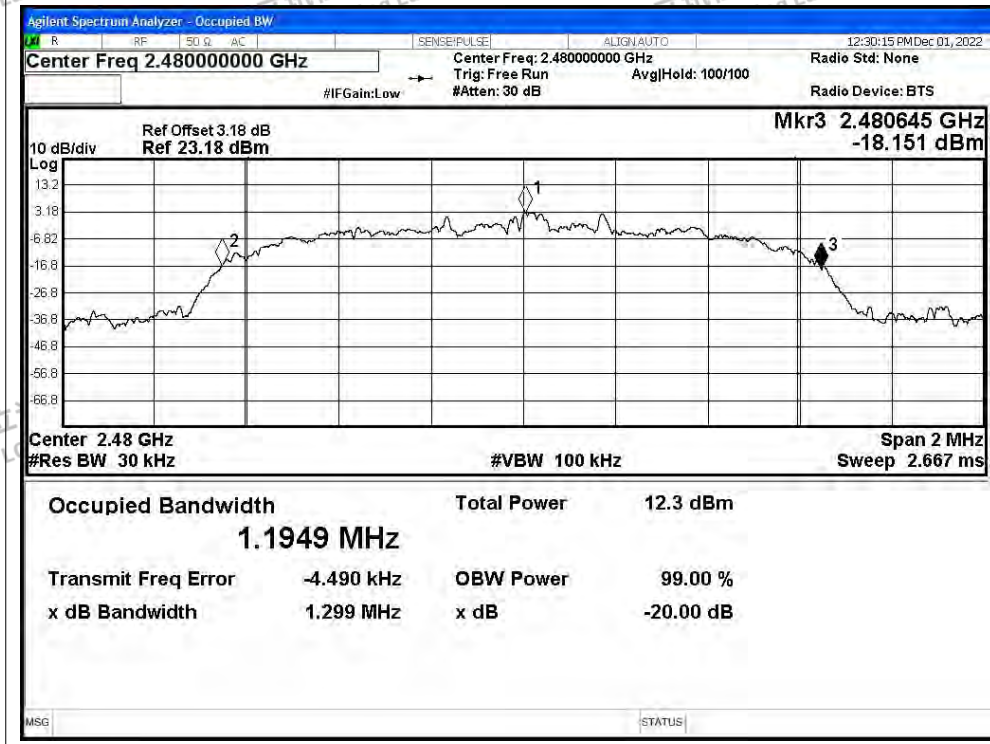


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-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	2.04	21	Pass
NVNT	1-DH5	2441	Ant1	4.93	21	Pass
NVNT	1-DH5	2480	Ant1	5.69	21	Pass
NVNT	2-DH5	2402	Ant1	3.66	21	Pass
NVNT	2-DH5	2441	Ant1	6.3	21	Pass
NVNT	2-DH5	2480	Ant1	6.82	21	Pass
NVNT	3-DH5	2402	Ant1	3.96	21	Pass
NVNT	3-DH5	2441	Ant1	6.59	21	Pass
NVNT	3-DH5	2480	Ant1	6.98	21	Pass



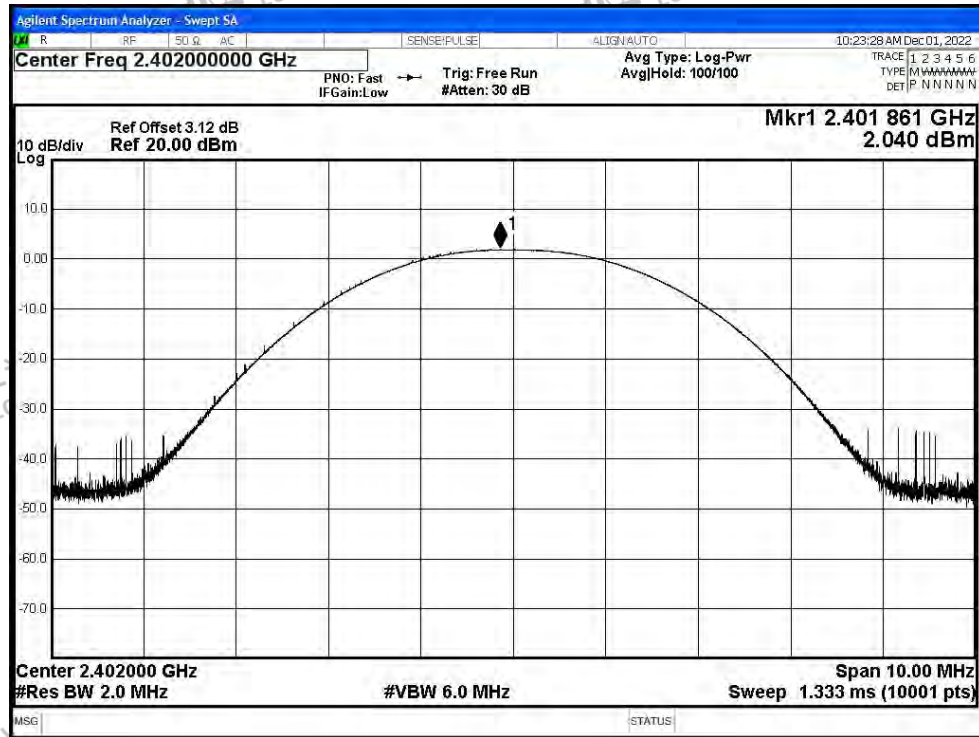
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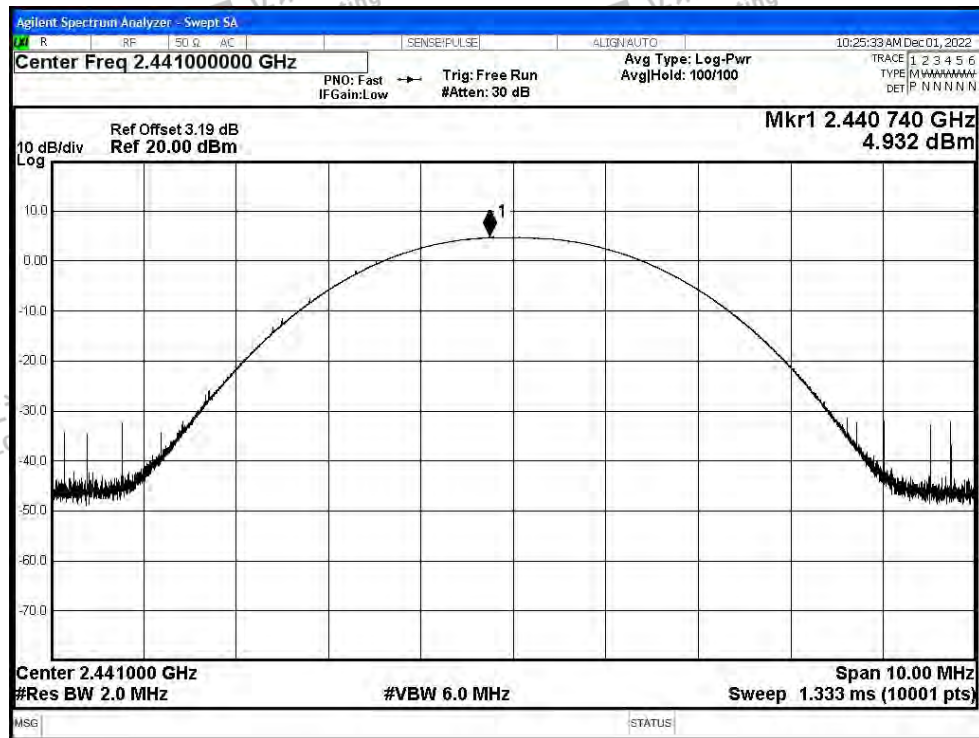


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

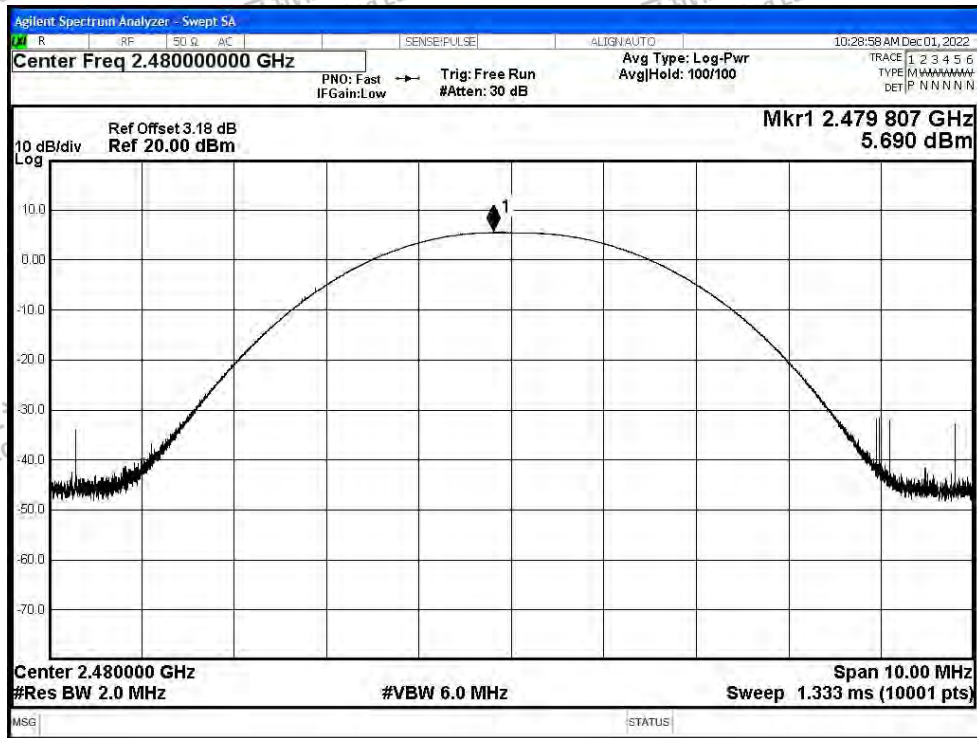


Power NVNT 1-DH5 2441MHz Ant1

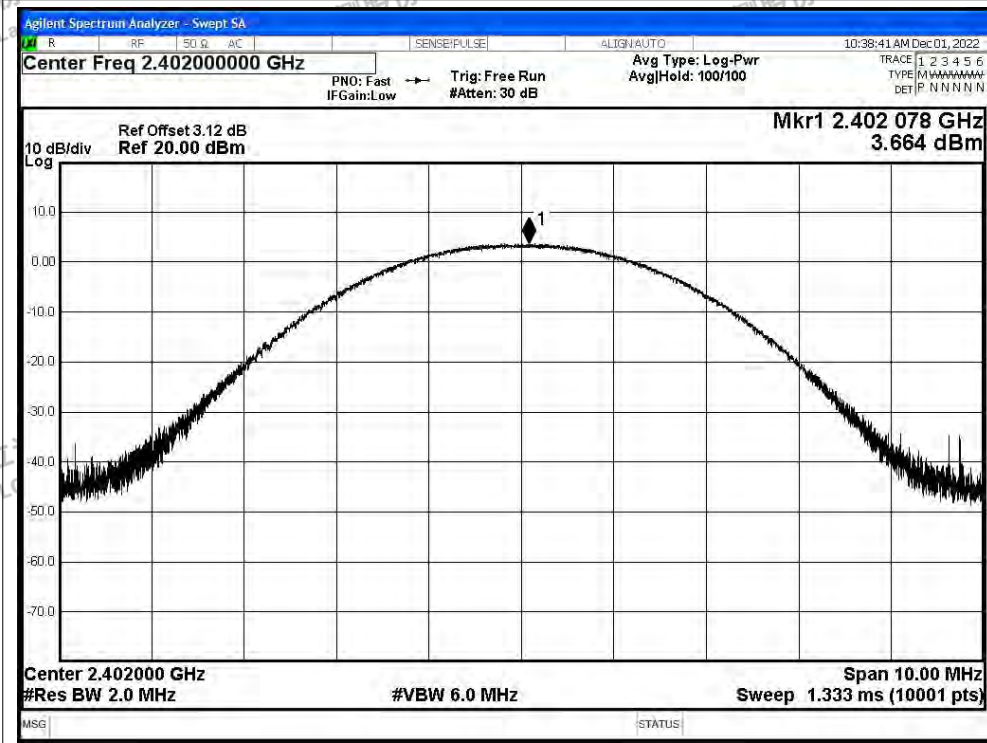




Power NVNT 1-DH5 2480MHz Ant1

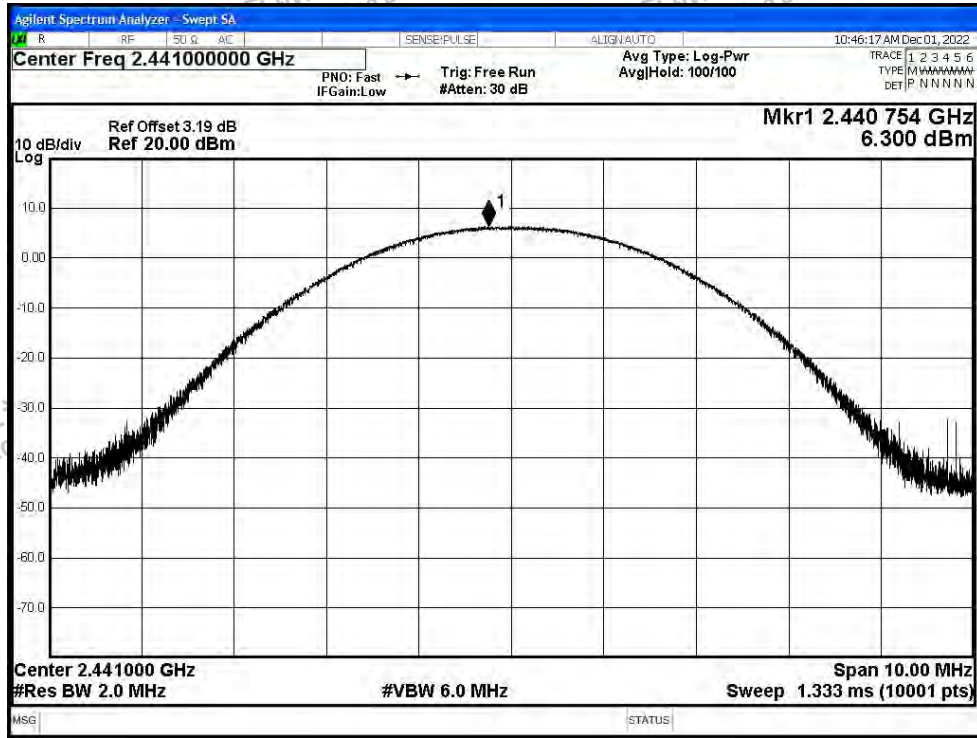


Power NVNT 2-DH5 2402MHz Ant1

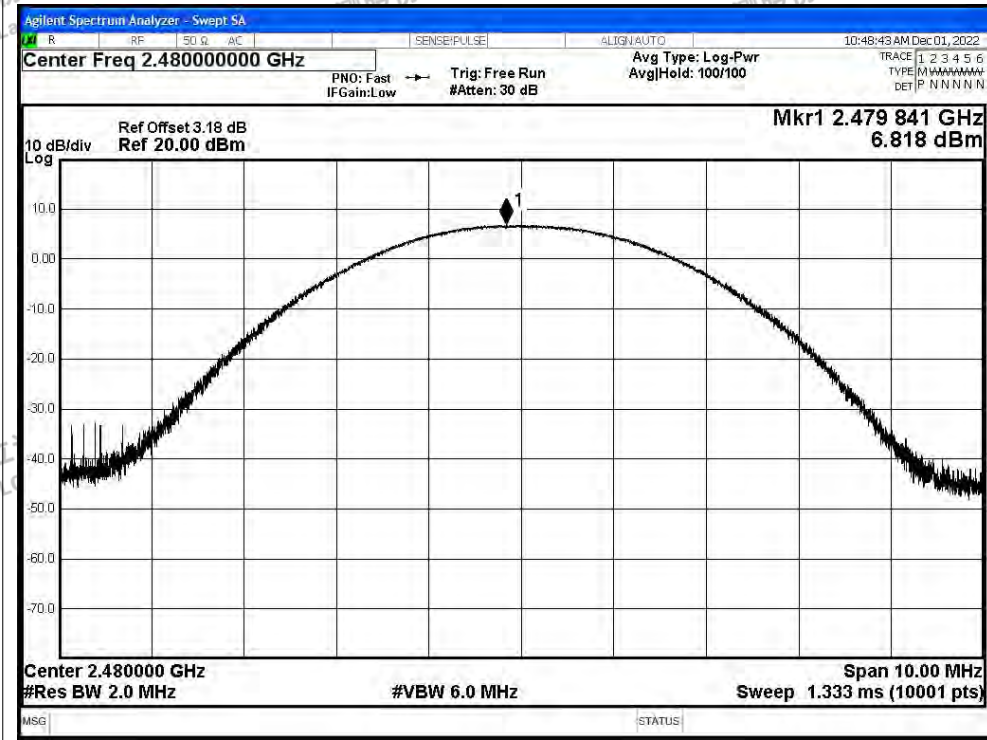




Power NVNT 2-DH5 2441MHz Ant1

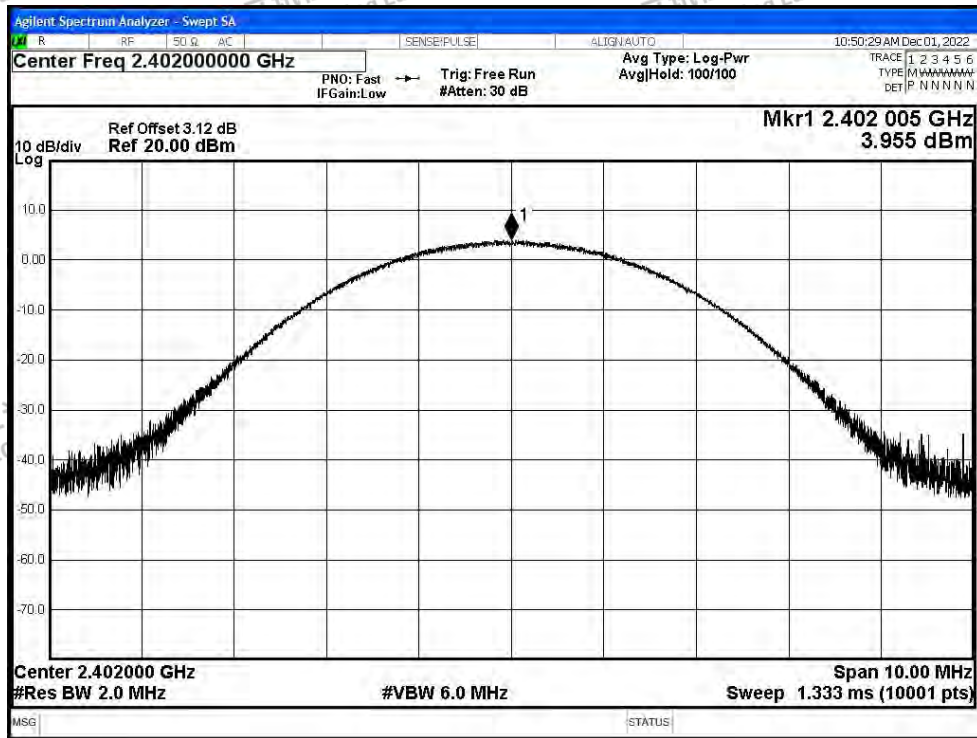


Power NVNT 2-DH5 2480MHz Ant1

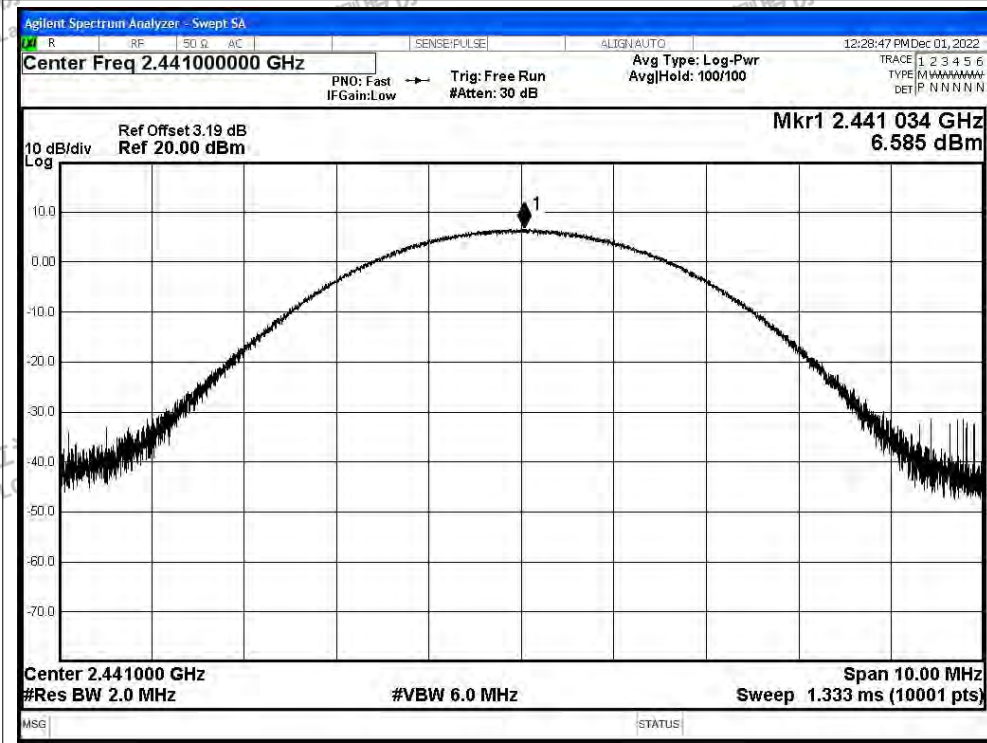




Power NVNT 3-DH5 2402MHz Ant1

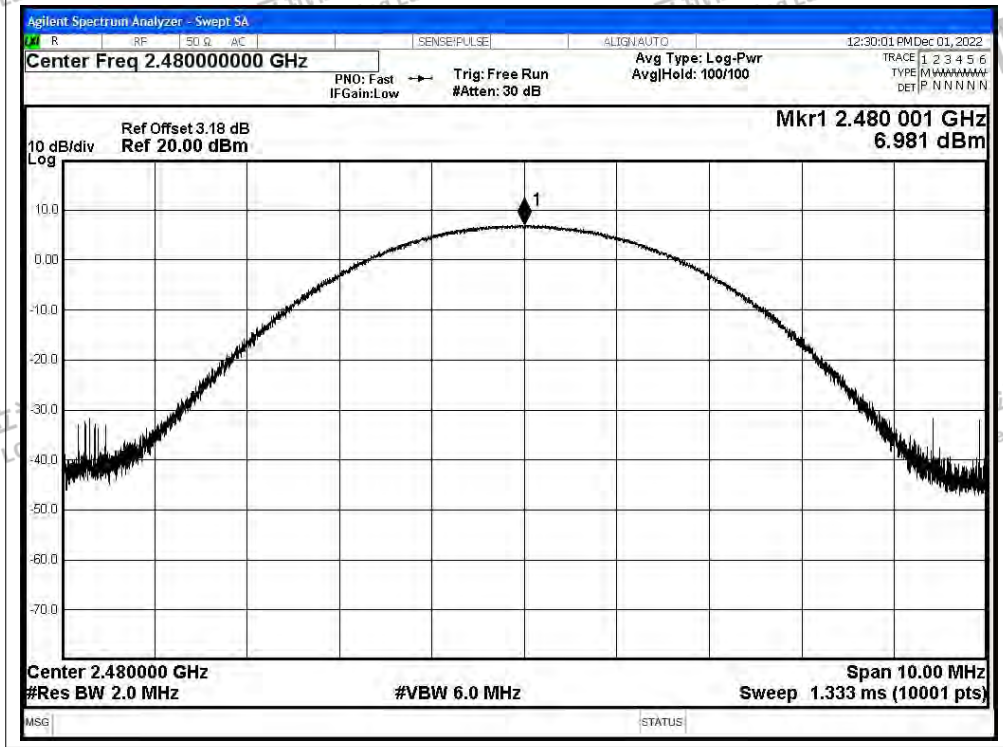


Power NVNT 3-DH5 2441MHz Ant1





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	2401.832	2403.01	1.178	0.688	Pass
NVNT	2-DH5	Ant1	2402.03	2403.022	0.992	0.882	Pass
NVNT	3-DH5	Ant1	2402.098	2403.186	1.088	0.877	Pass



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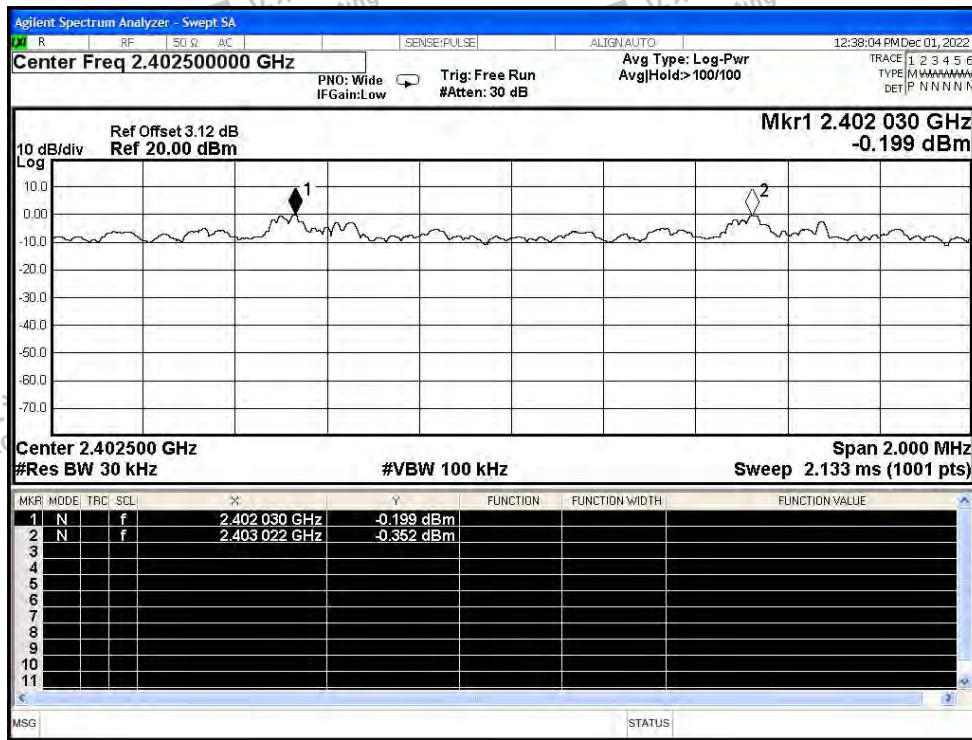


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

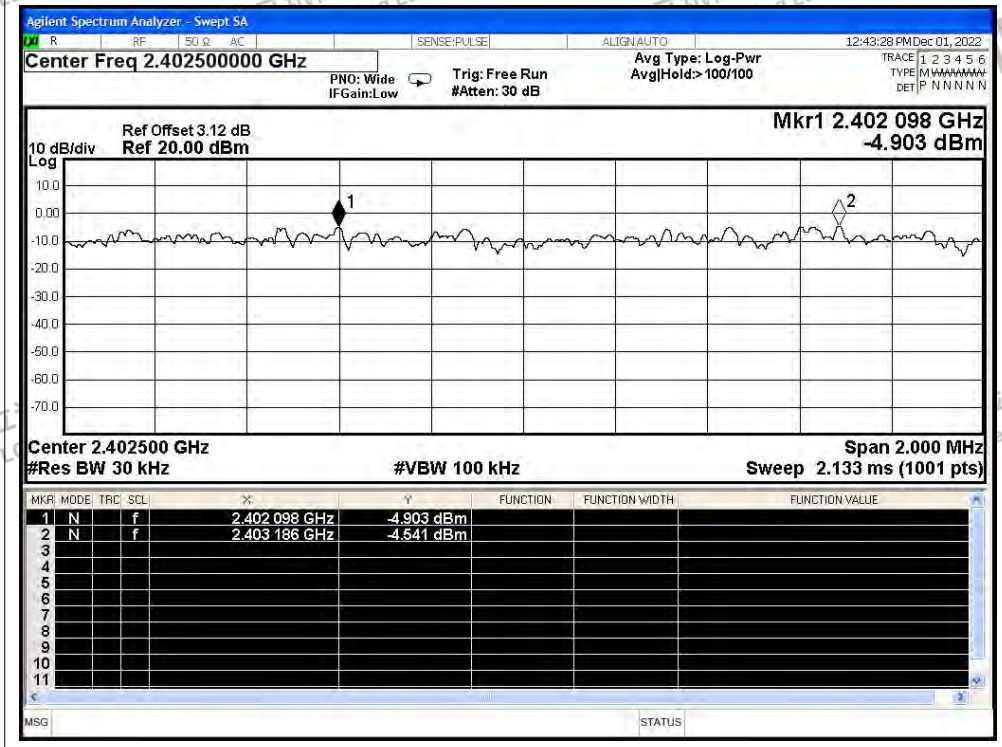


CFS NVNT 2-DH5 2402MHz Ant1





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	2.91	366.66	126	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	315.882	109	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	336.052	116	31600	400	Pass

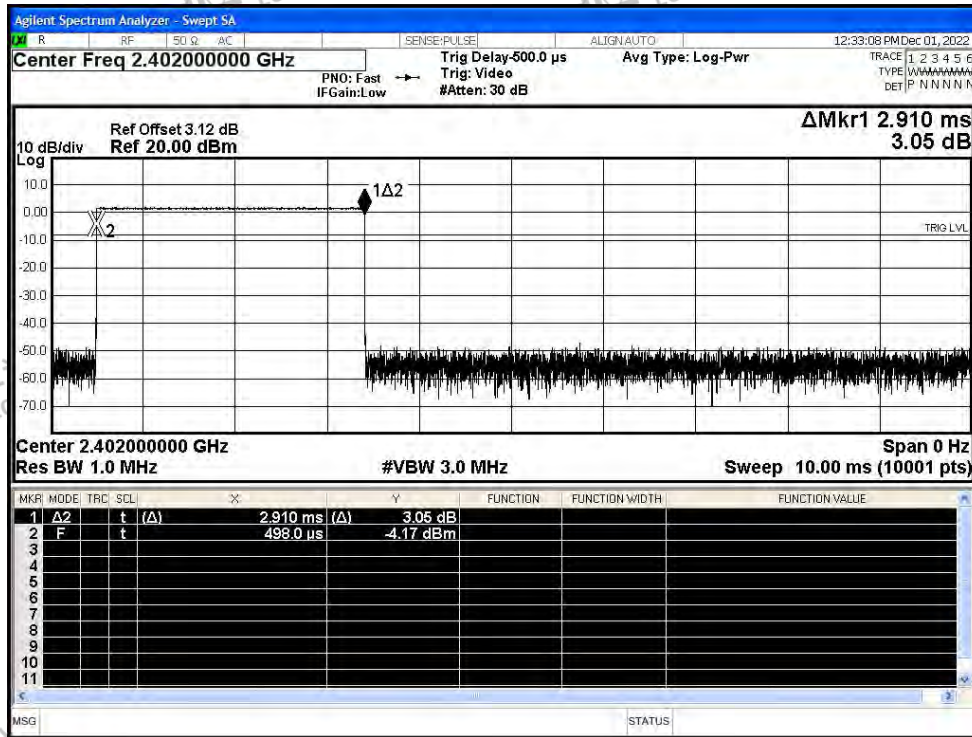


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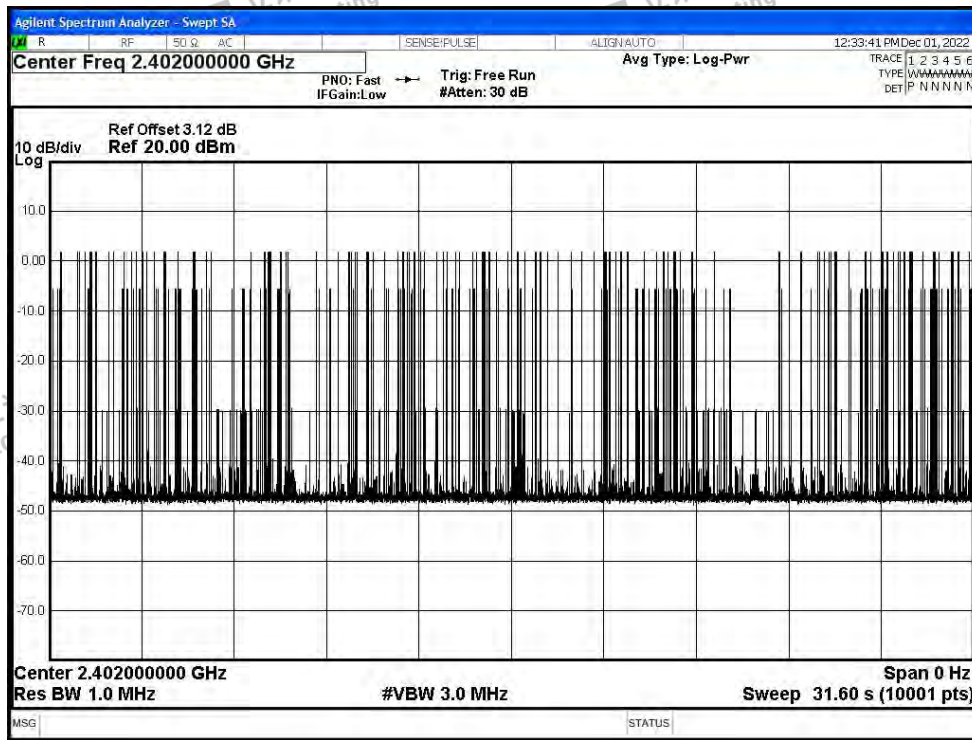


Test Graphs

Dwell-NVNT 1-DH5 2402MHz Ant1 One Burst

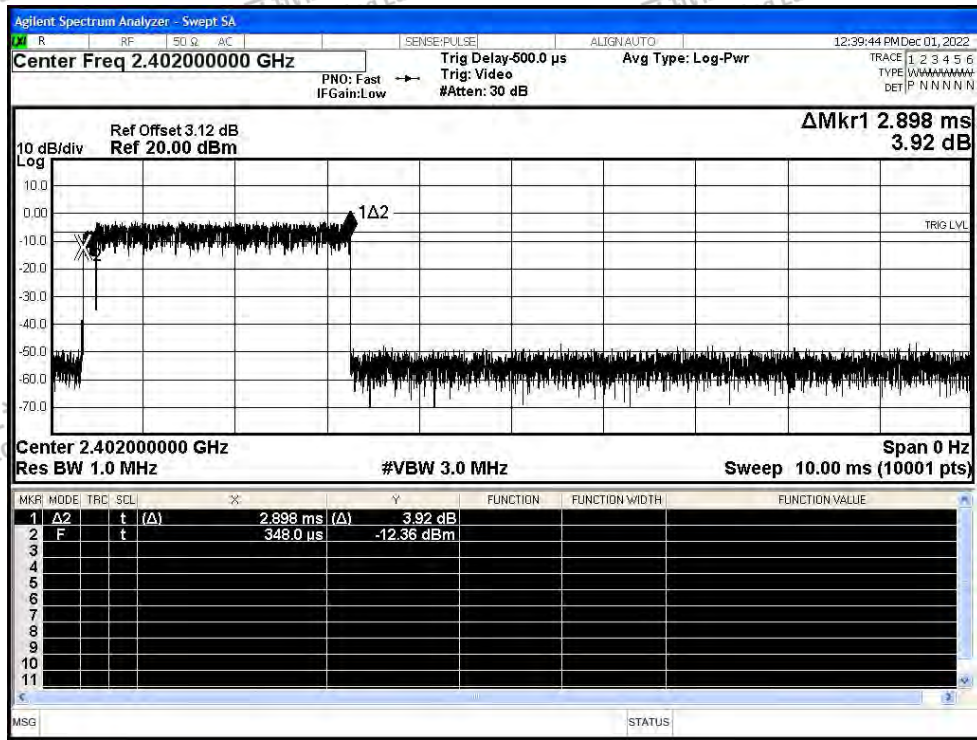


Dwell-NVNT 1-DH5 2402MHz Ant1 Accumulated

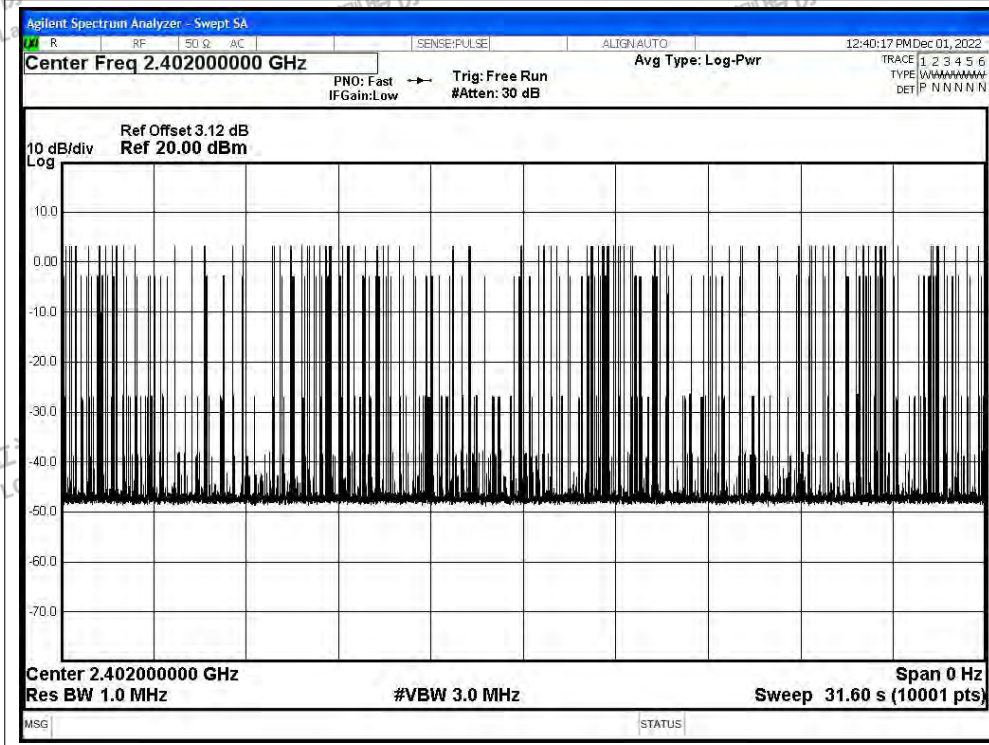




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

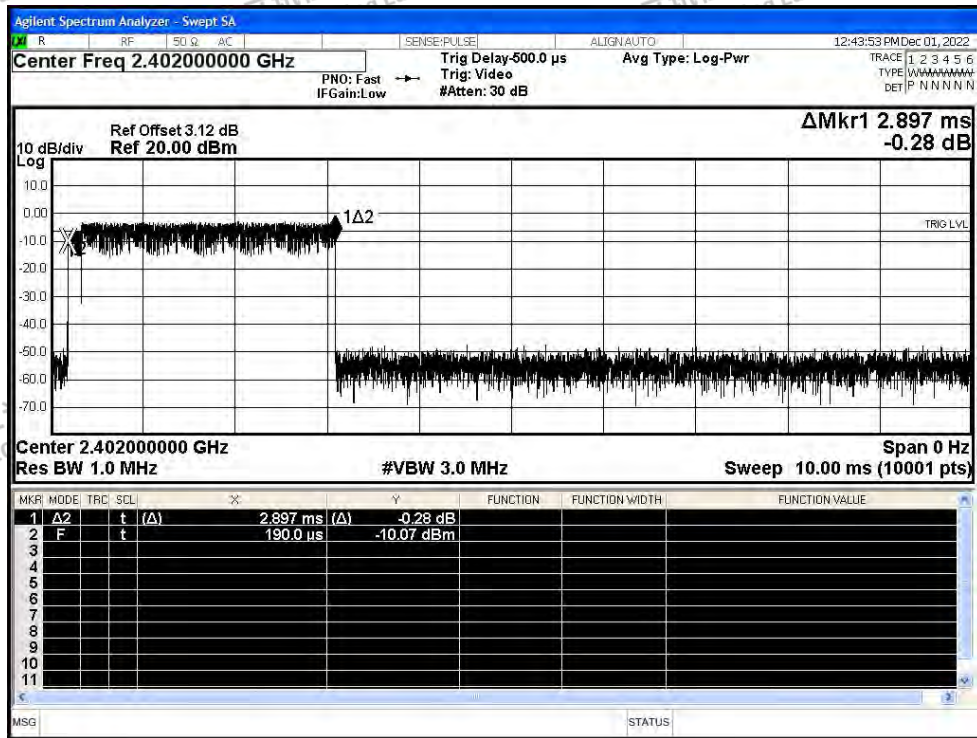


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

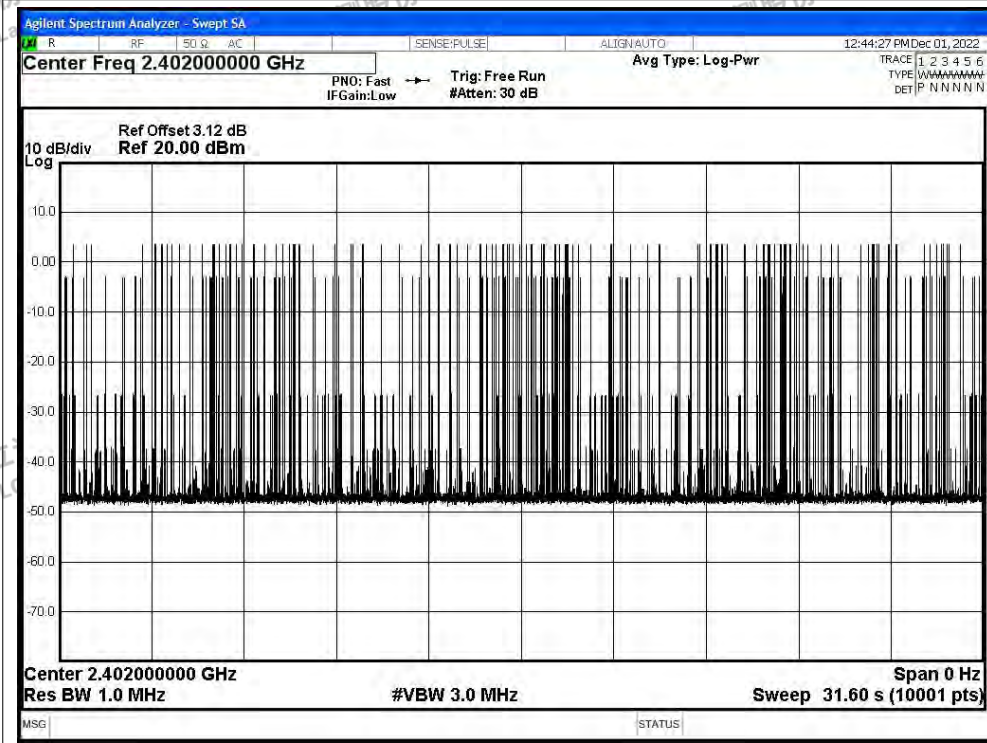




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



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

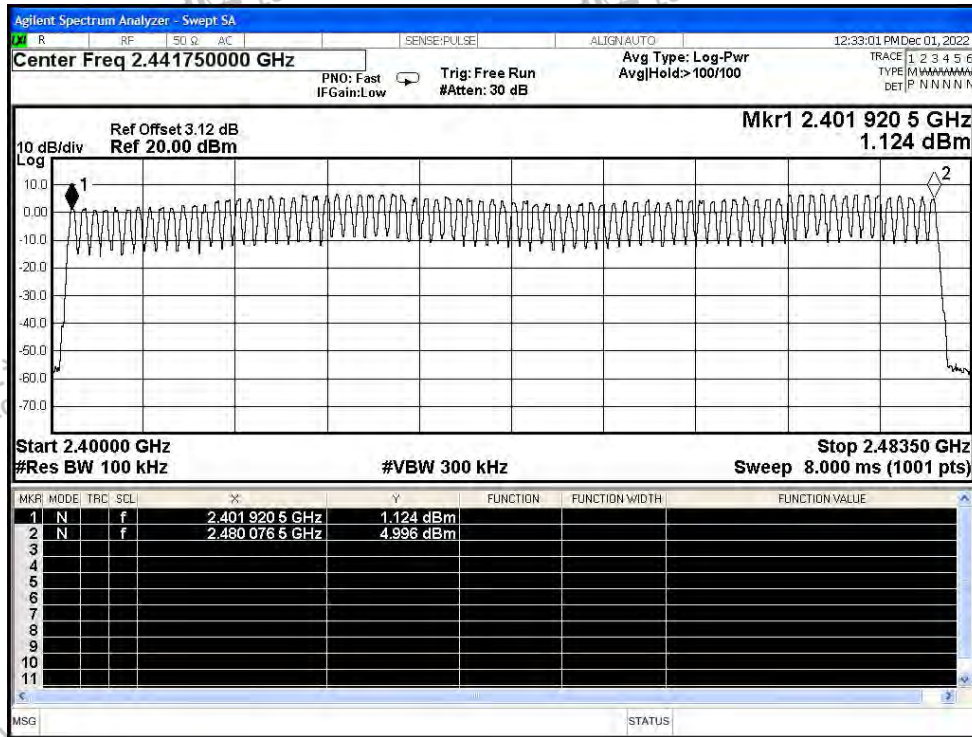


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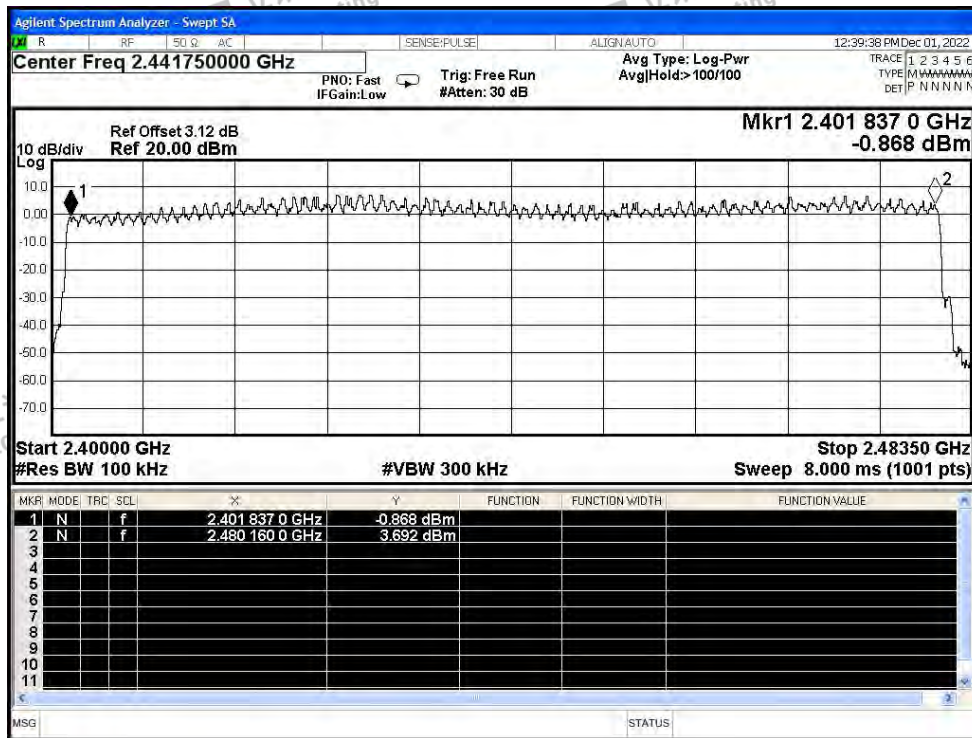


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

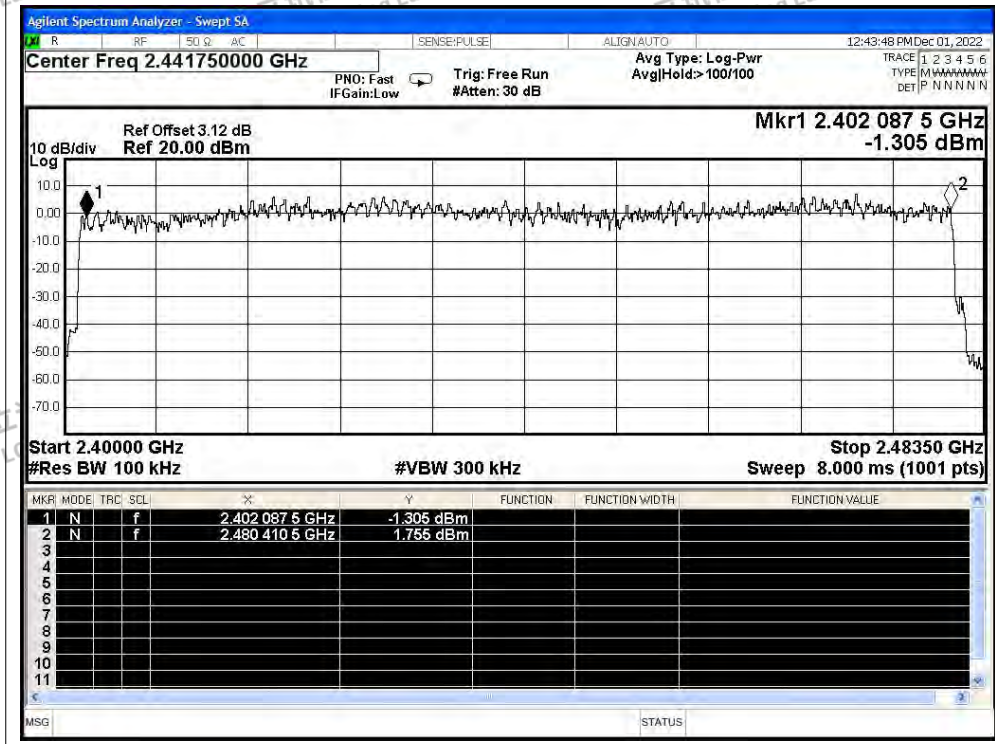


Hopping No. NVNT 2-DH5 2402MHz Ant1





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	-57.12	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-59.43	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-50.51	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-58.42	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.32	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.44	-20	Pass



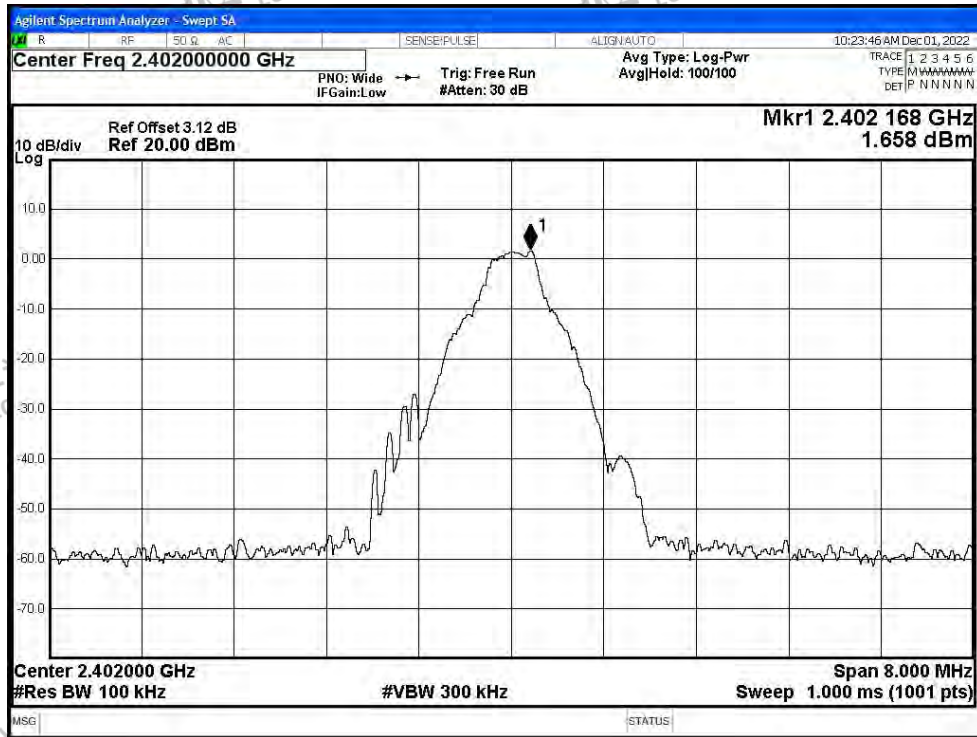
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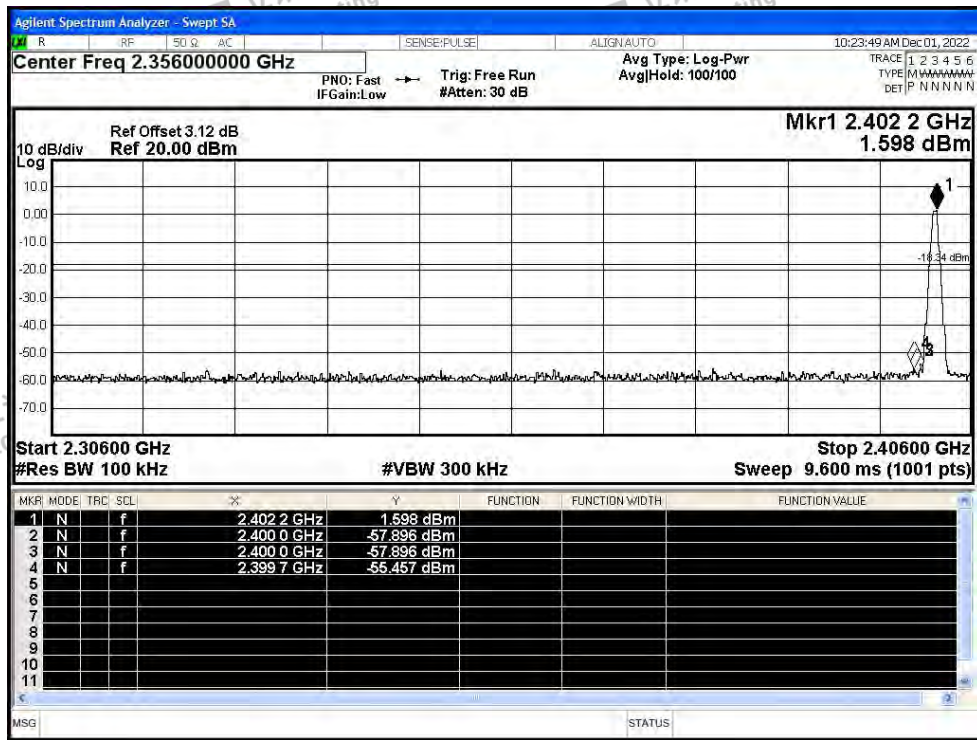


Test Graphs

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

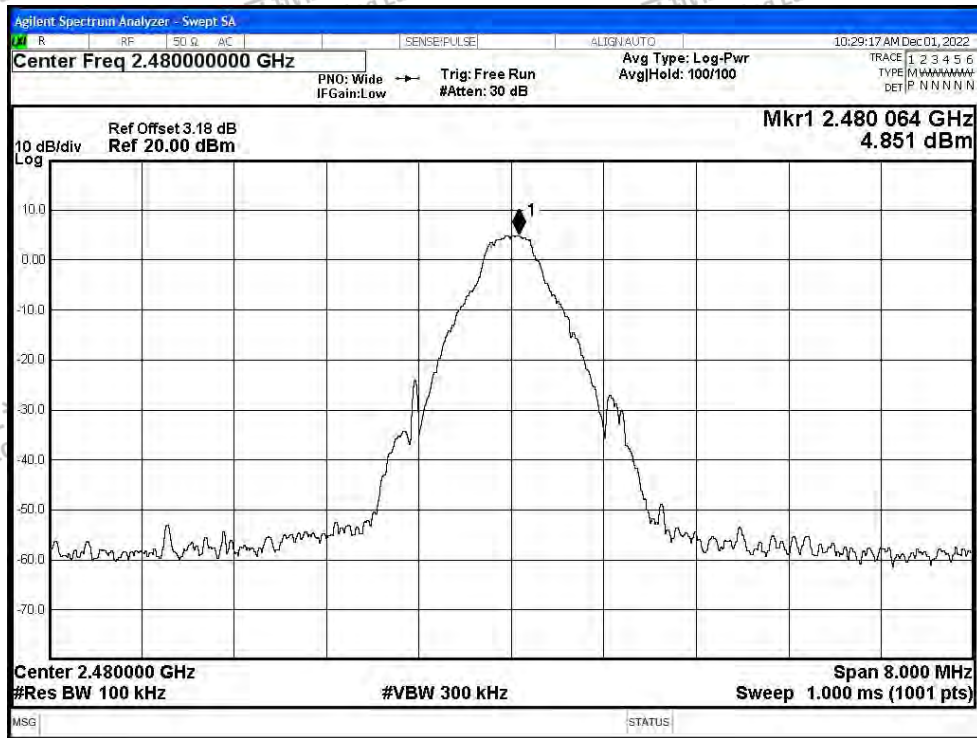


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

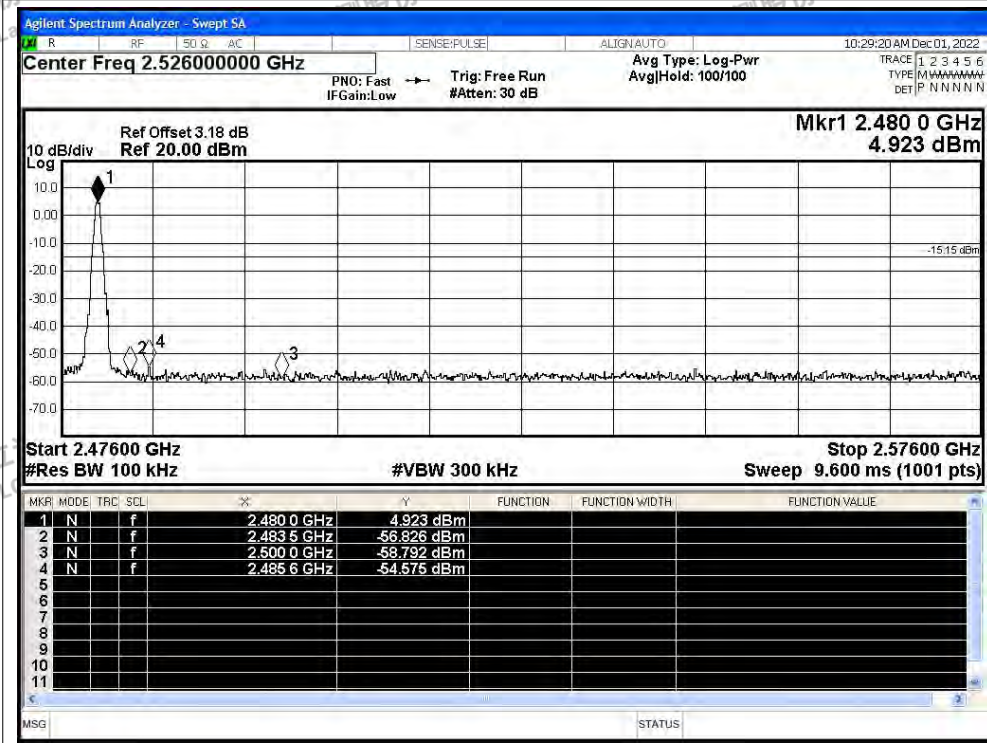




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

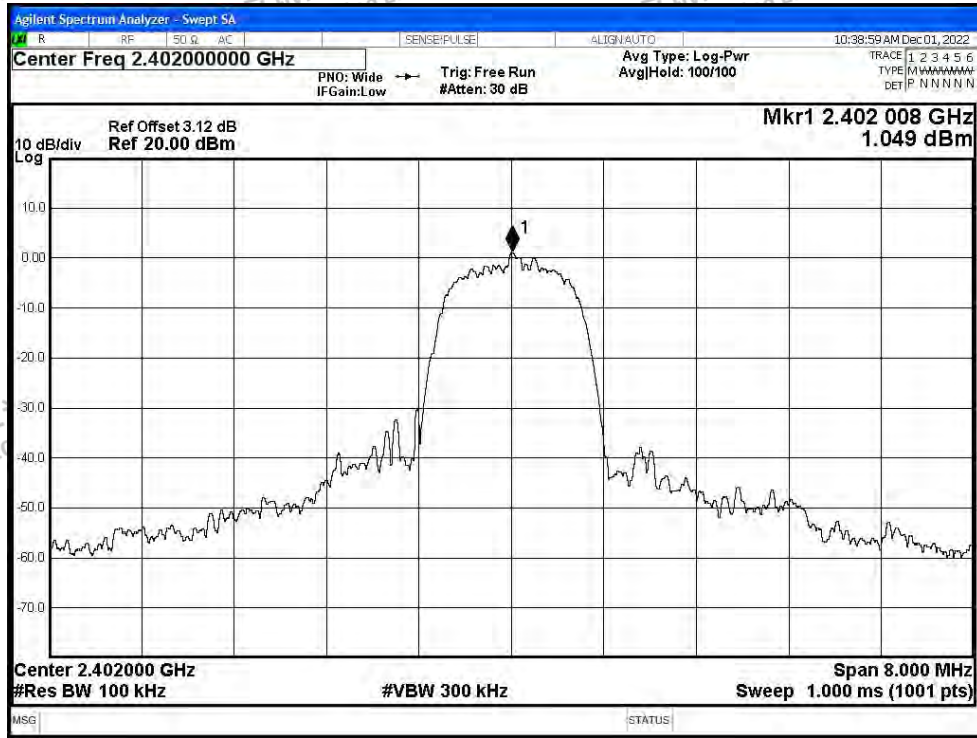


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

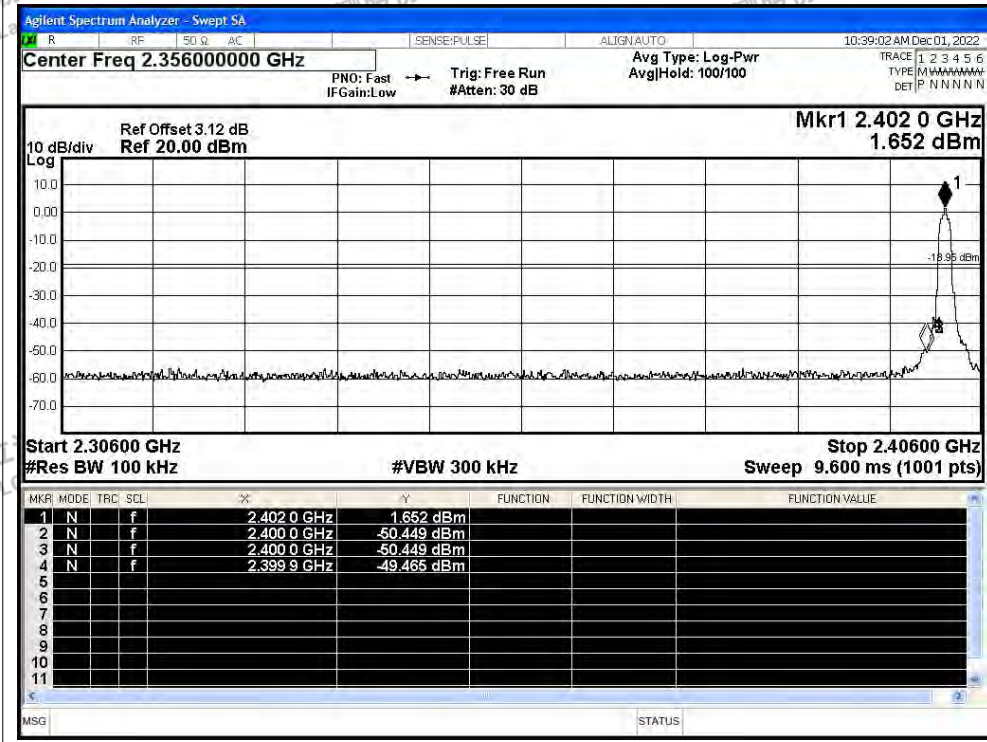




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

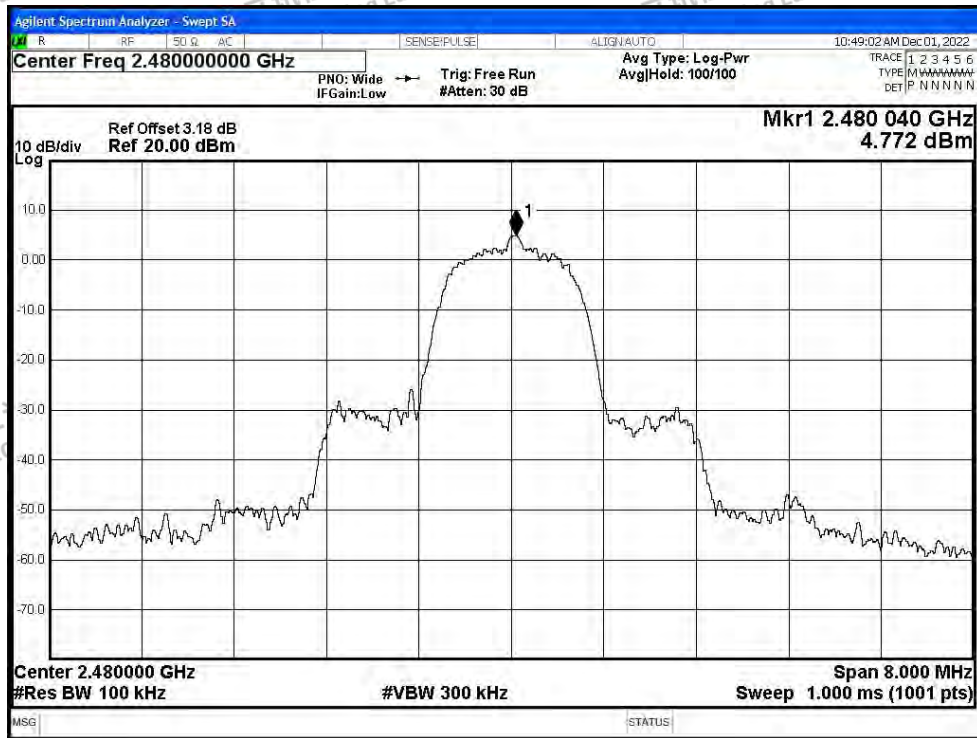


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

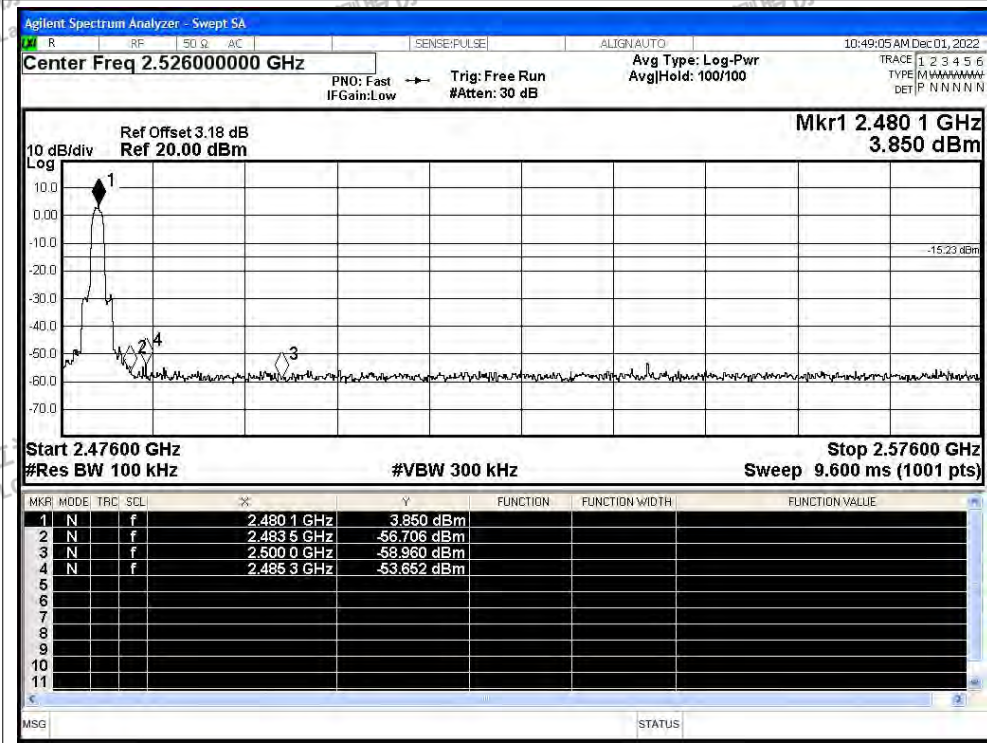




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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

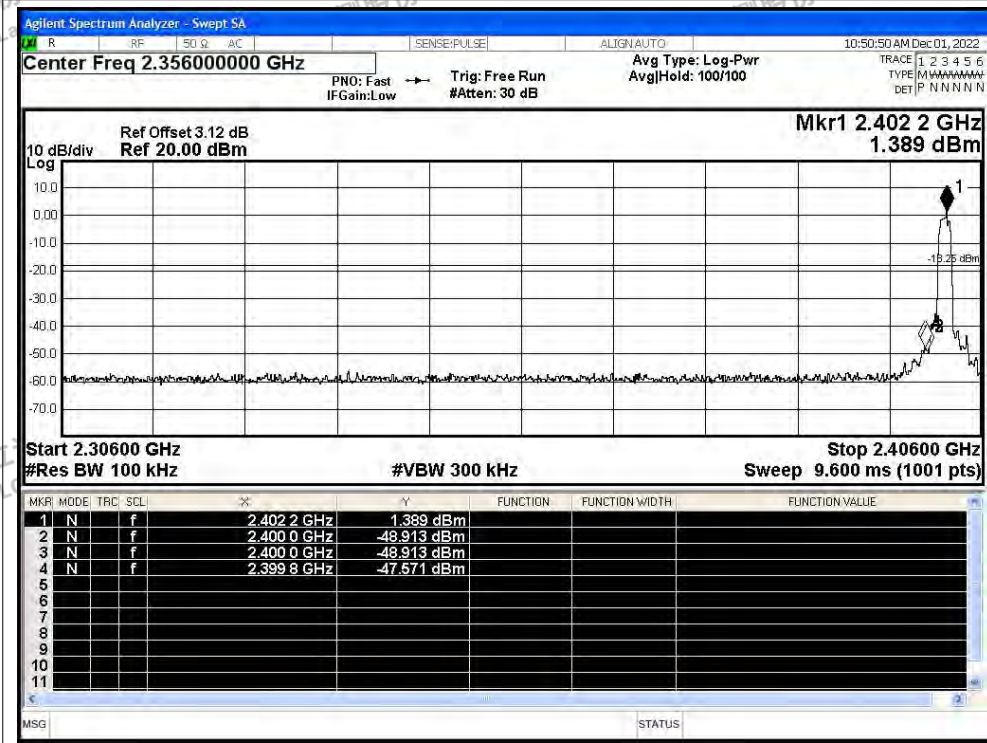




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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

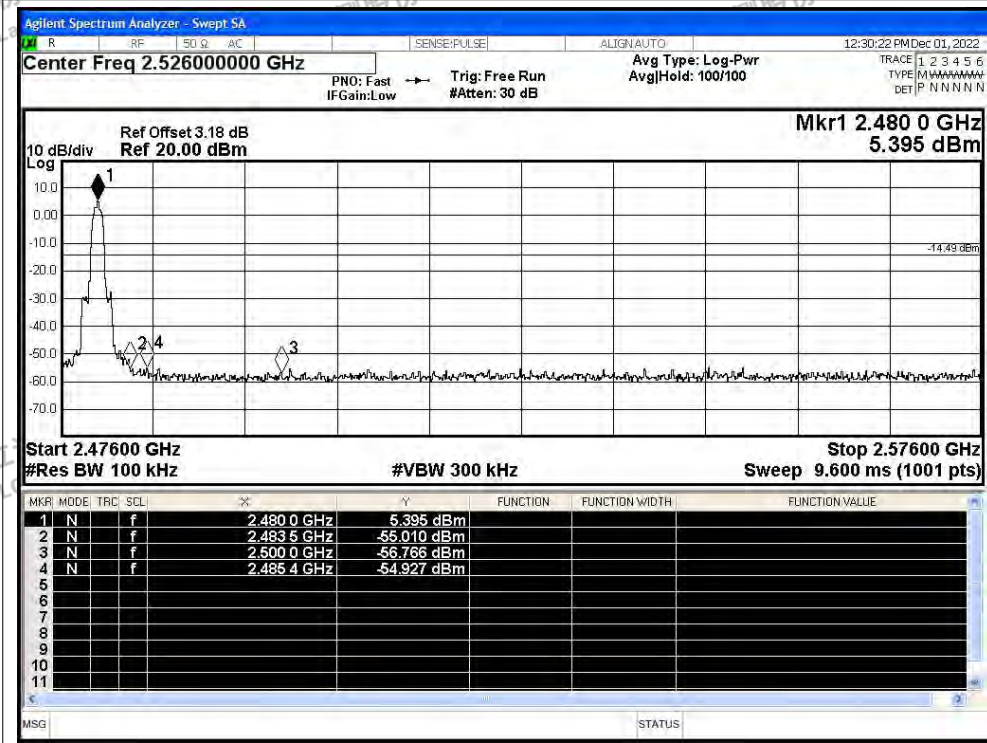




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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	-56.39	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-61.32	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.41	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-60.53	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-56.8	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-59.13	-20	Pass

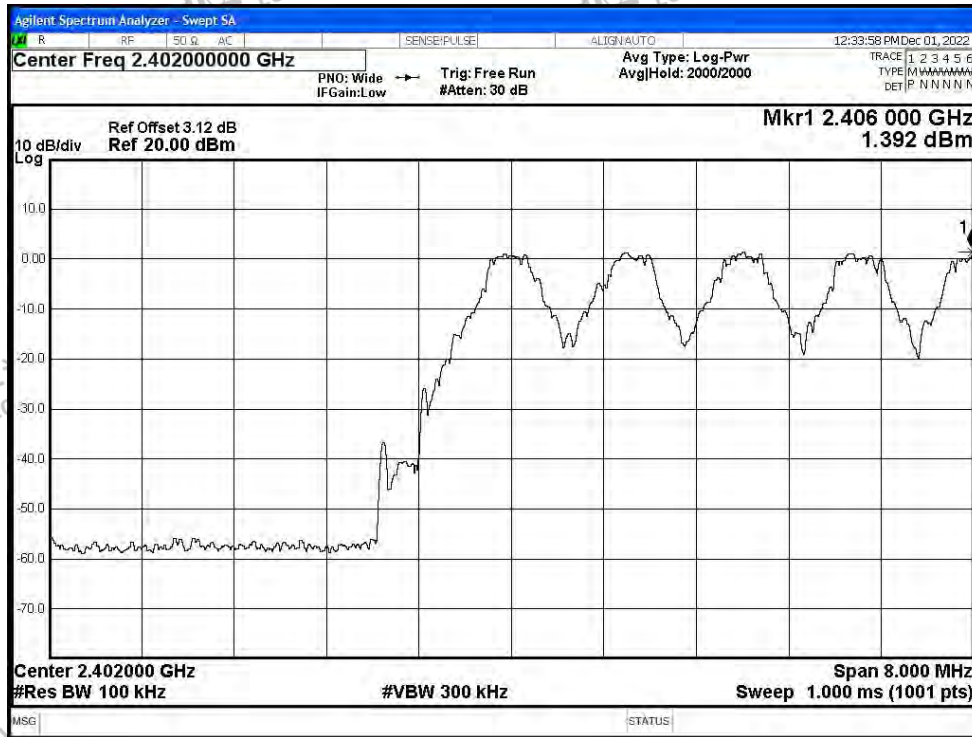


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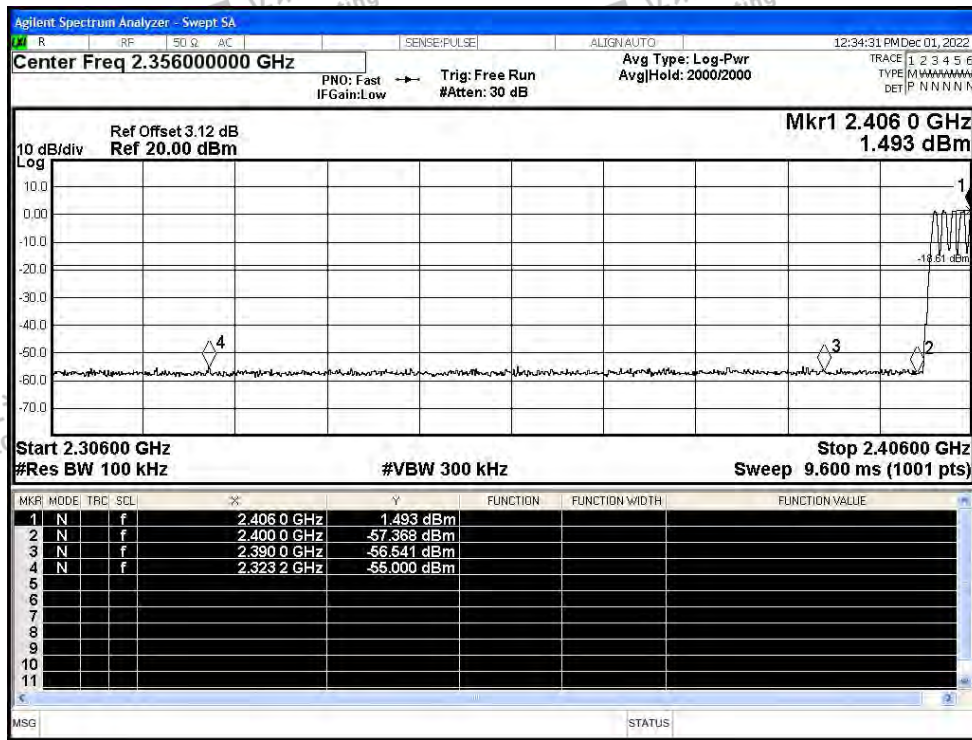


Test Graphs

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



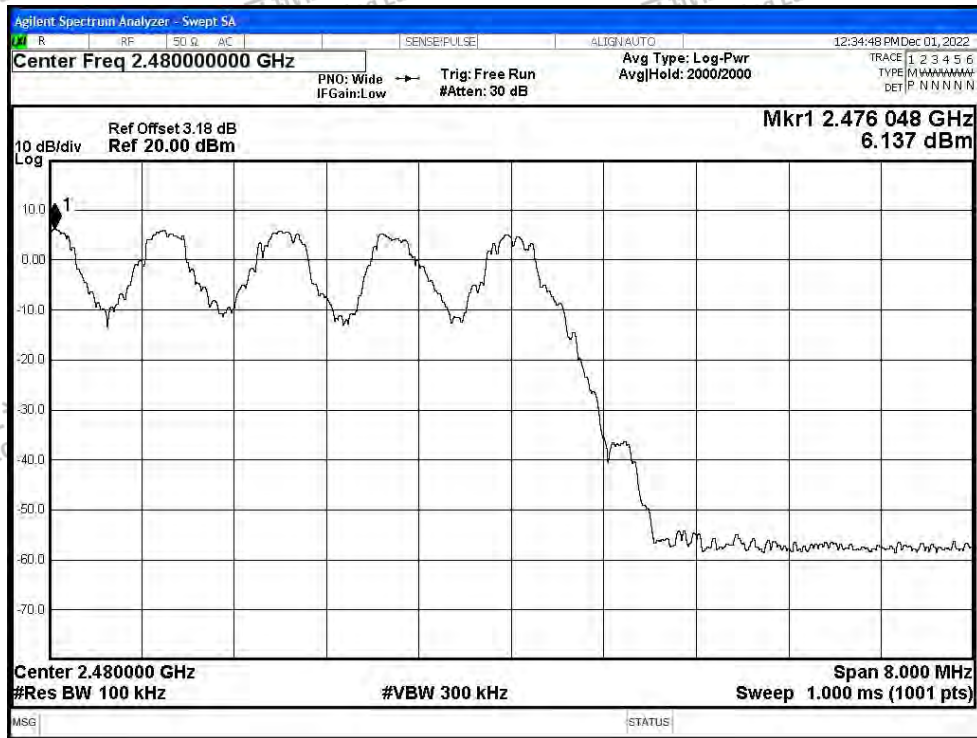
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



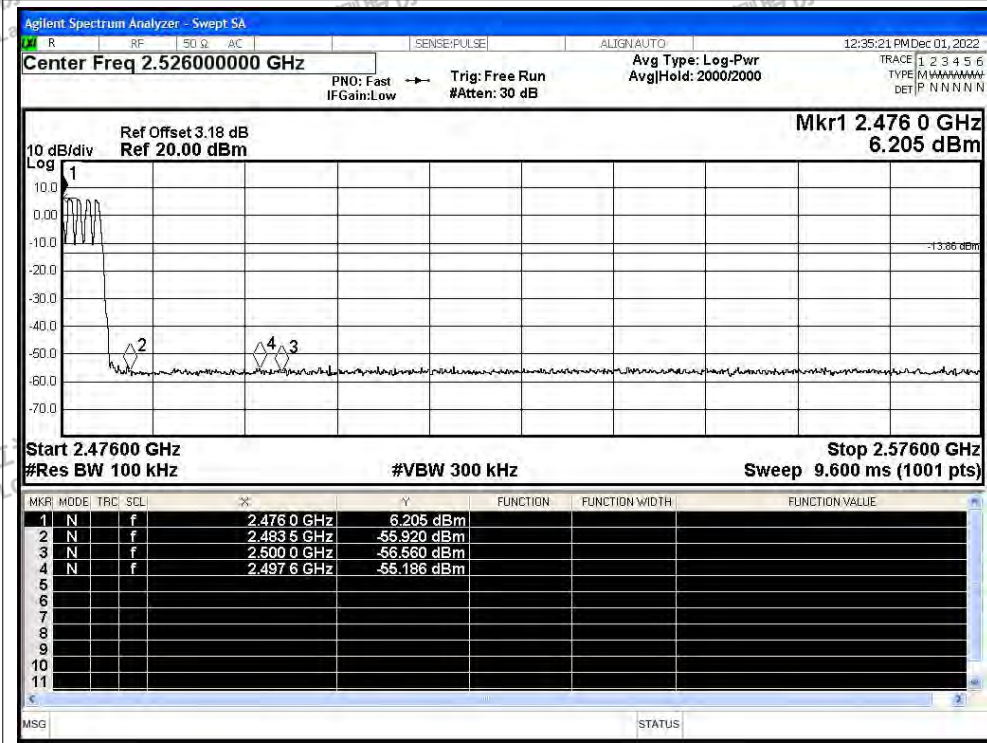




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

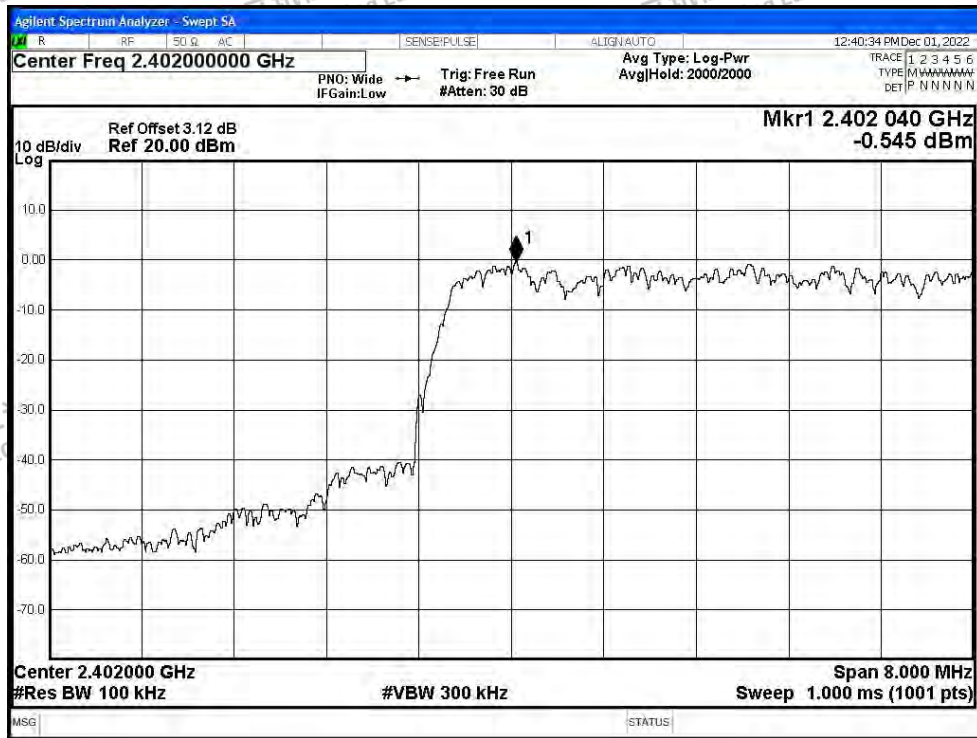


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

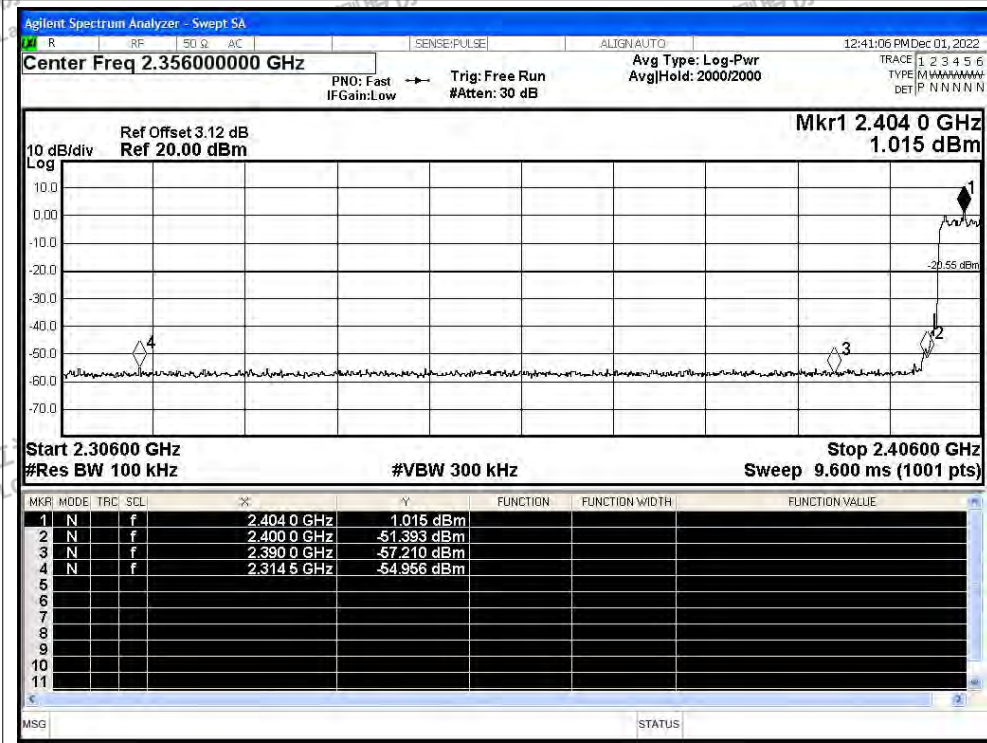




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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

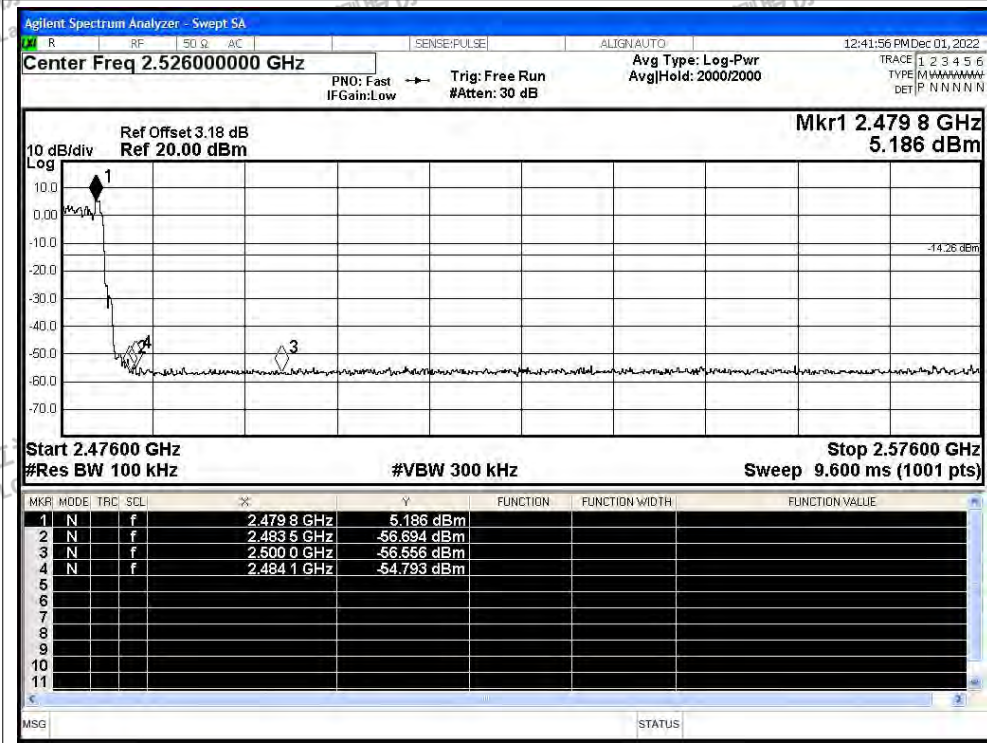




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

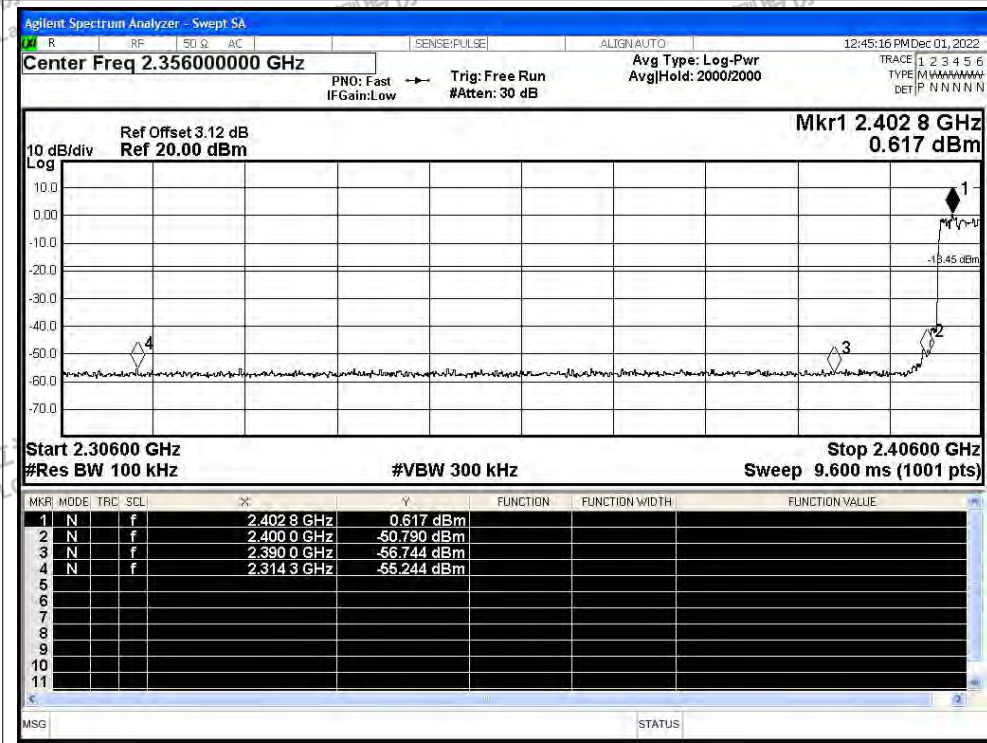




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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

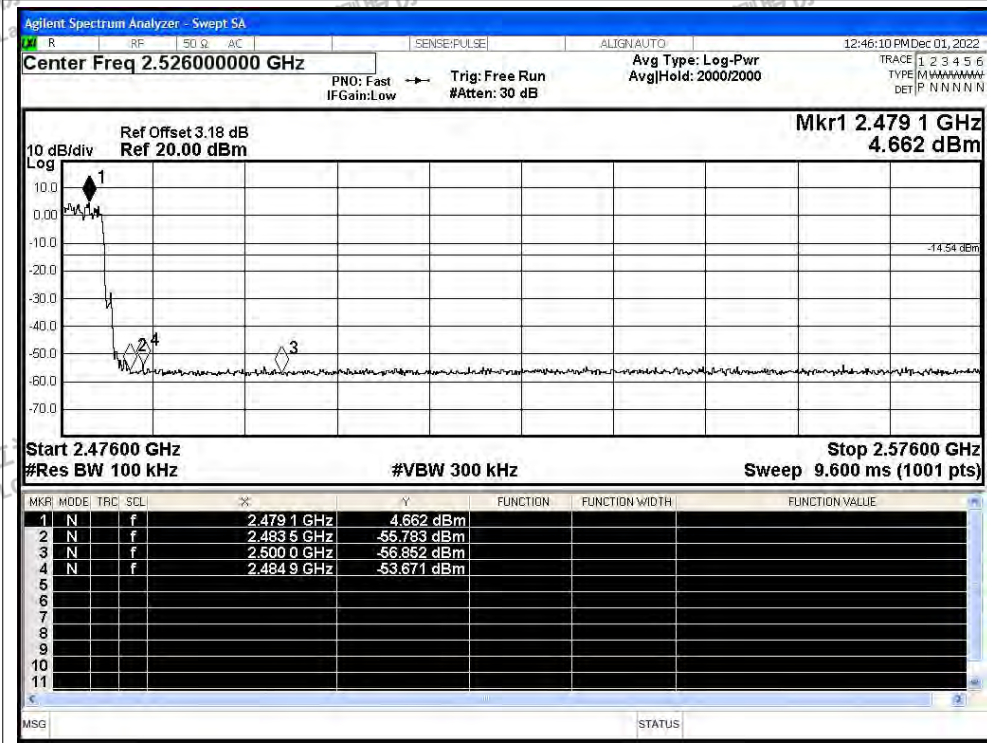




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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	-54.98	-20	Pass
NVNT	1-DH5	2441	Ant1	-58.85	-20	Pass
NVNT	1-DH5	2480	Ant1	-59.88	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.89	-20	Pass
NVNT	2-DH5	2441	Ant1	-58.9	-20	Pass
NVNT	2-DH5	2480	Ant1	-58.54	-20	Pass
NVNT	3-DH5	2402	Ant1	-55.46	-20	Pass
NVNT	3-DH5	2441	Ant1	-58.84	-20	Pass
NVNT	3-DH5	2480	Ant1	-59.27	-20	Pass



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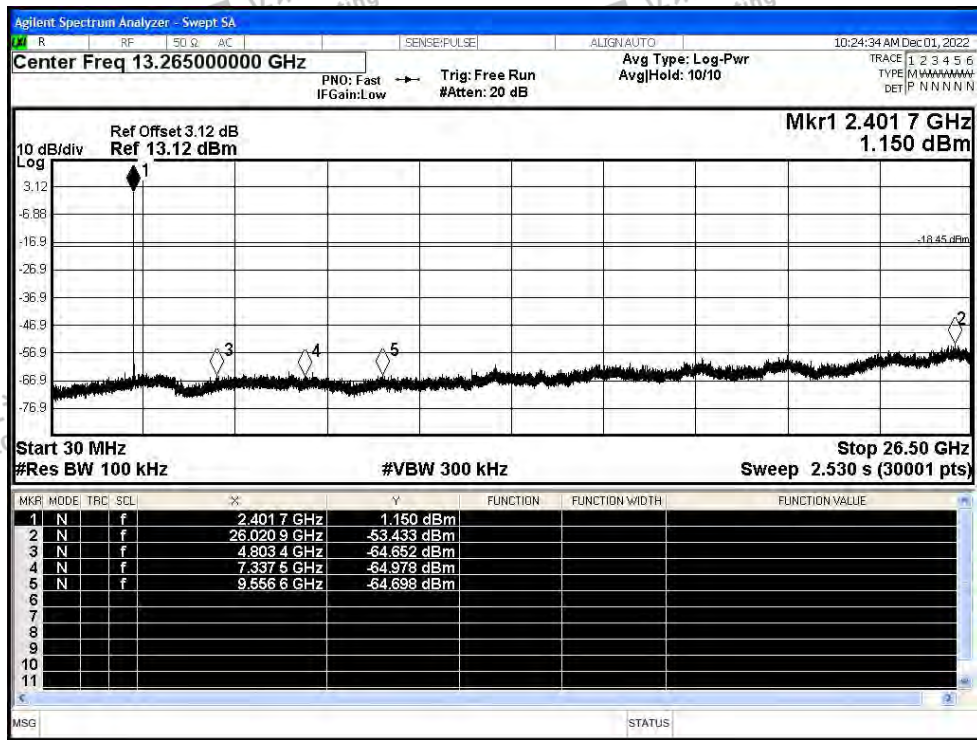


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

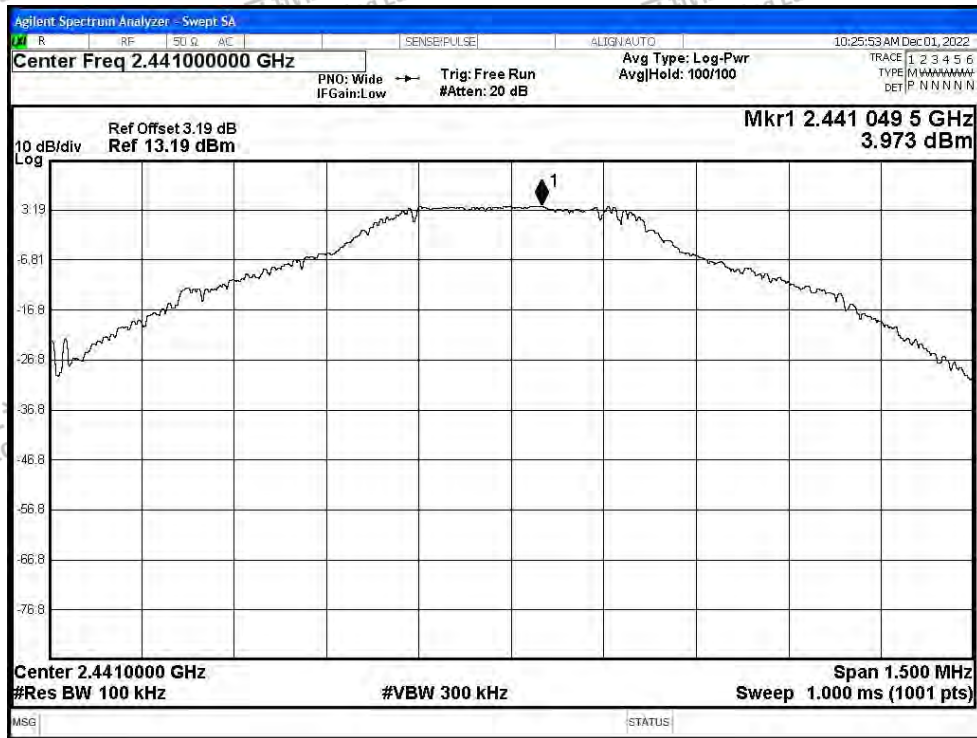


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

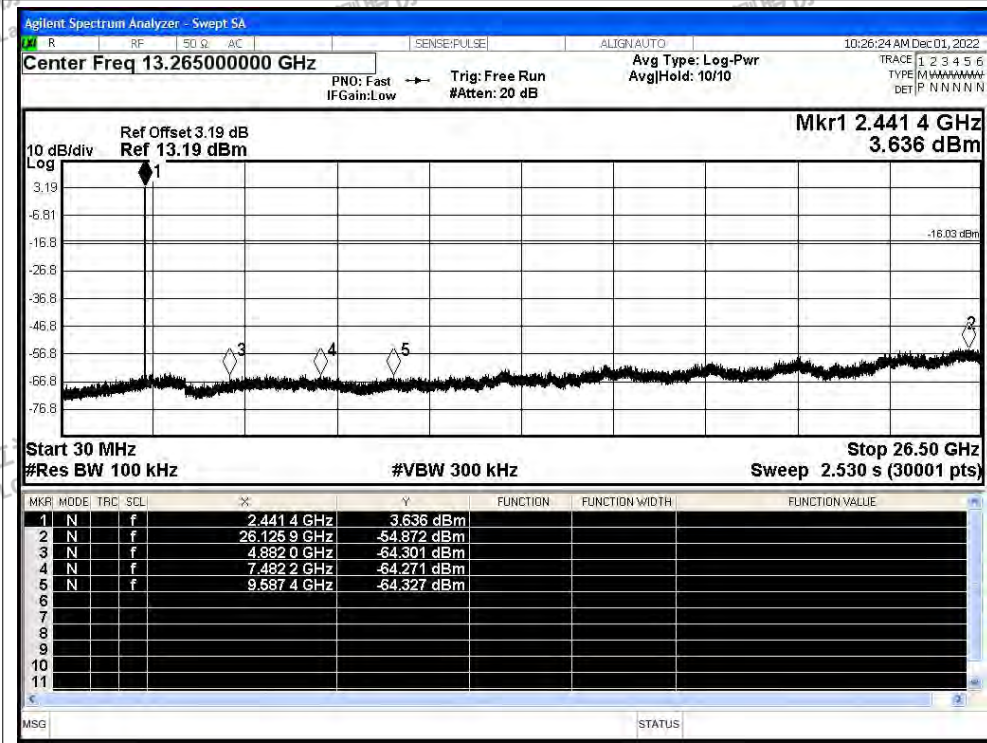




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref



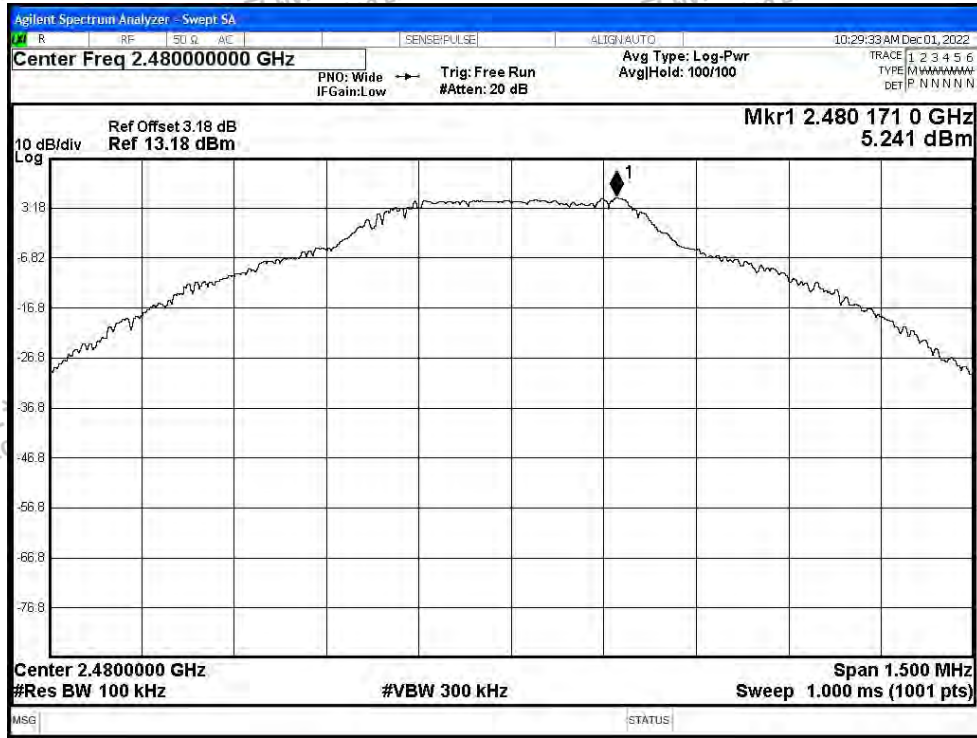
Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission



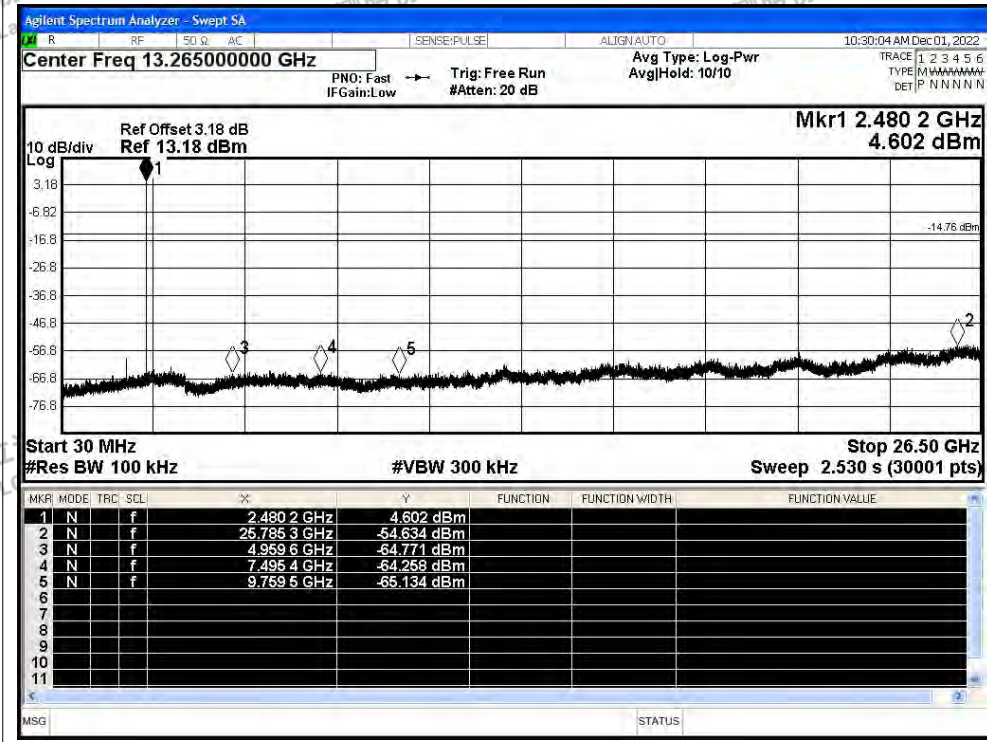




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

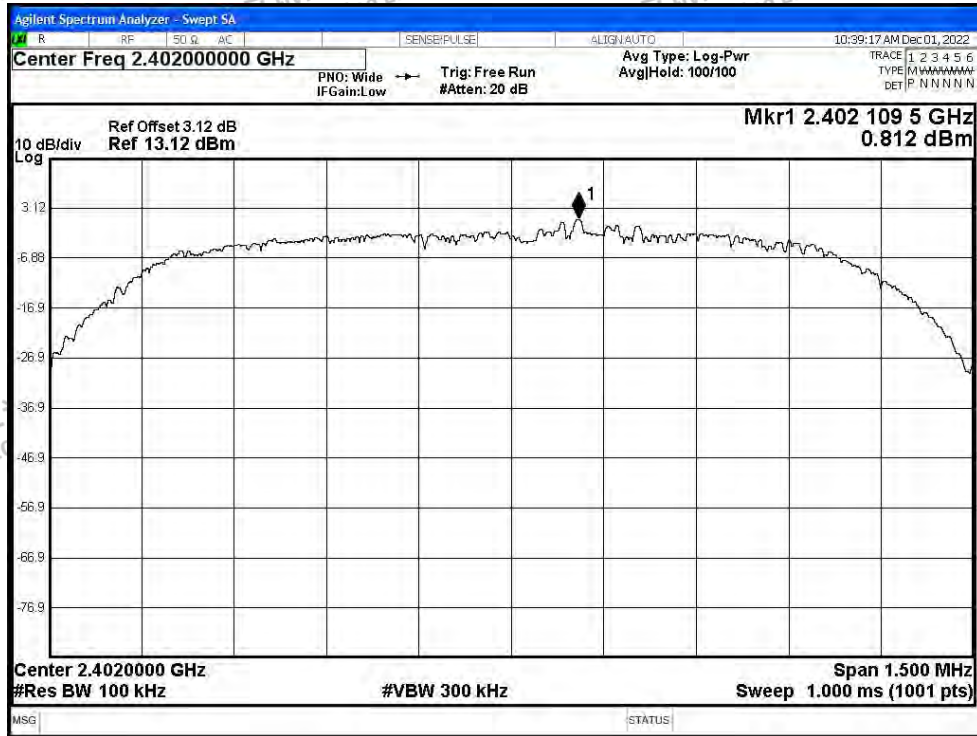


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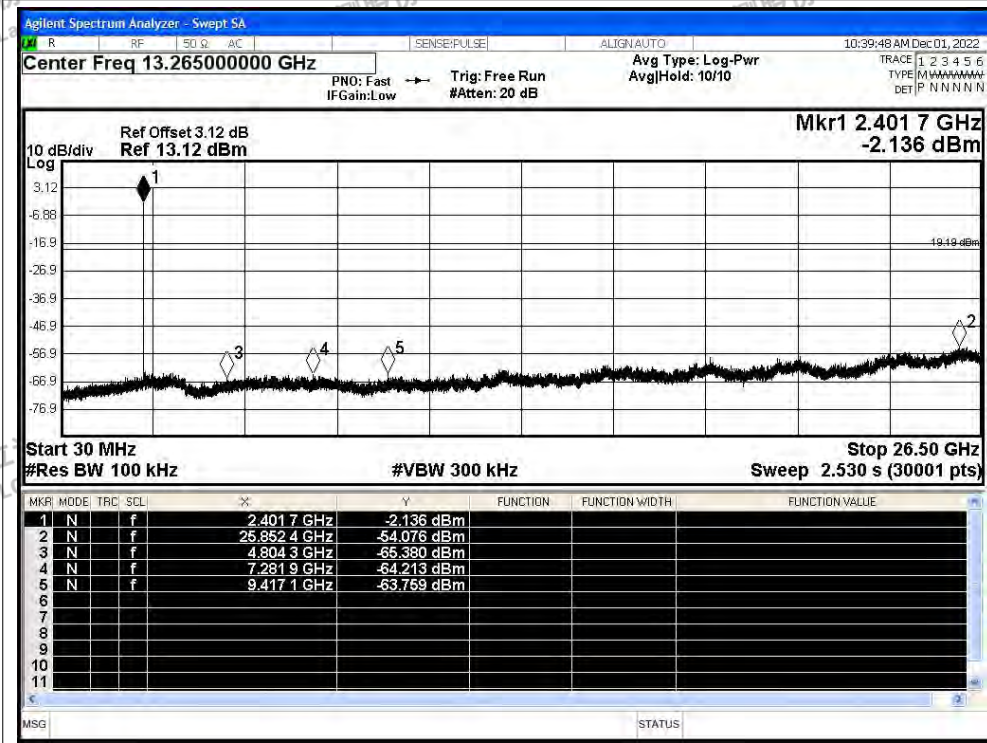




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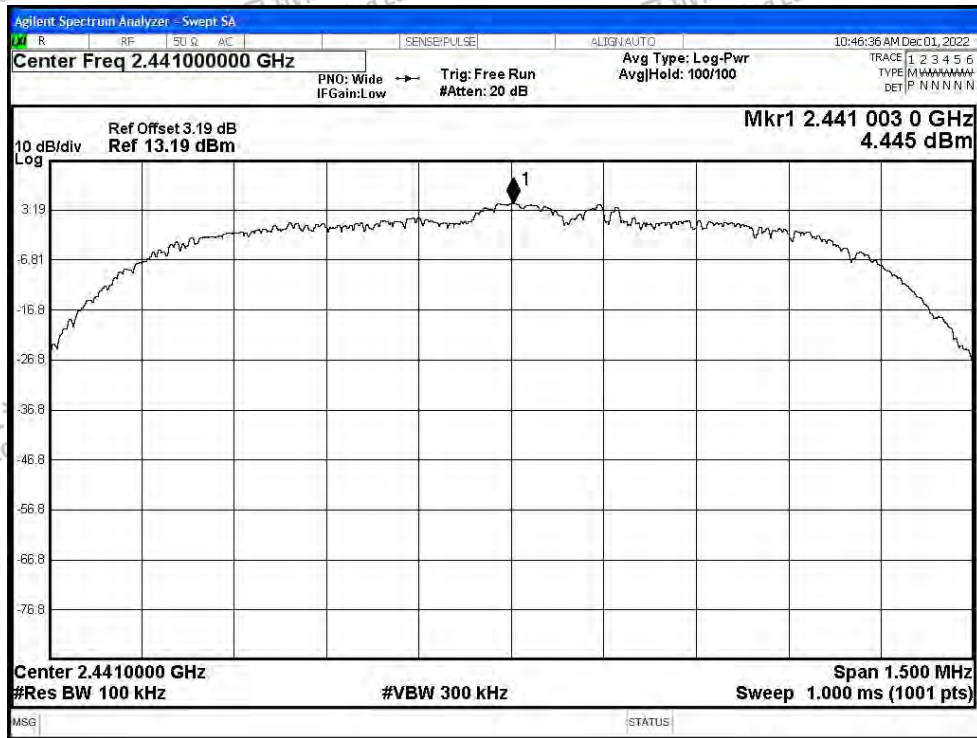


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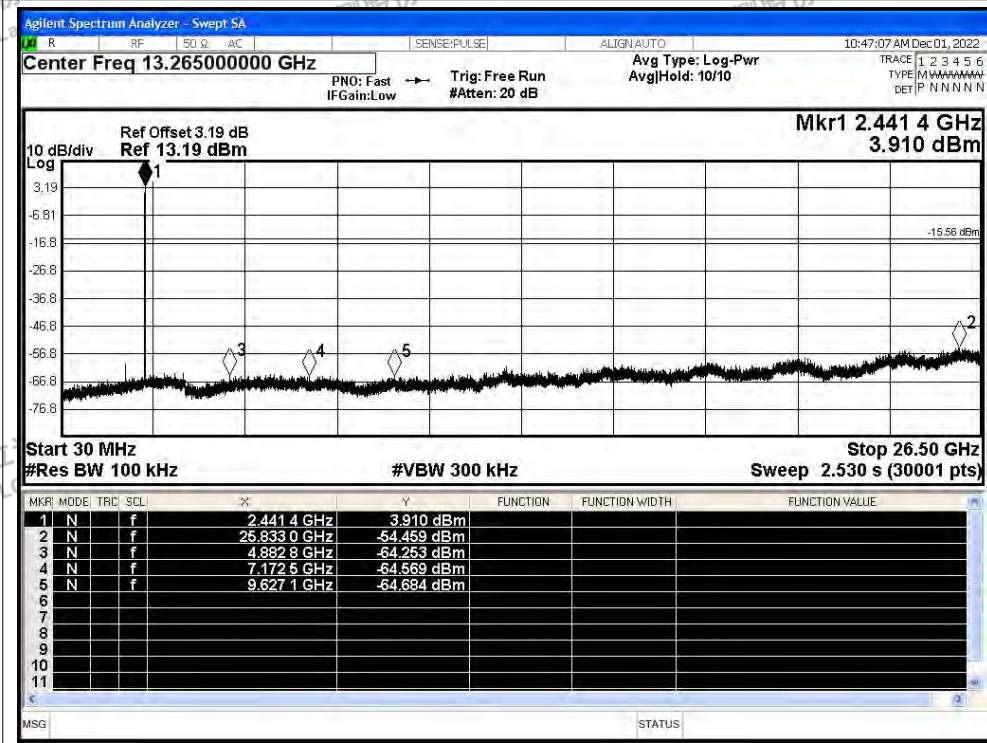




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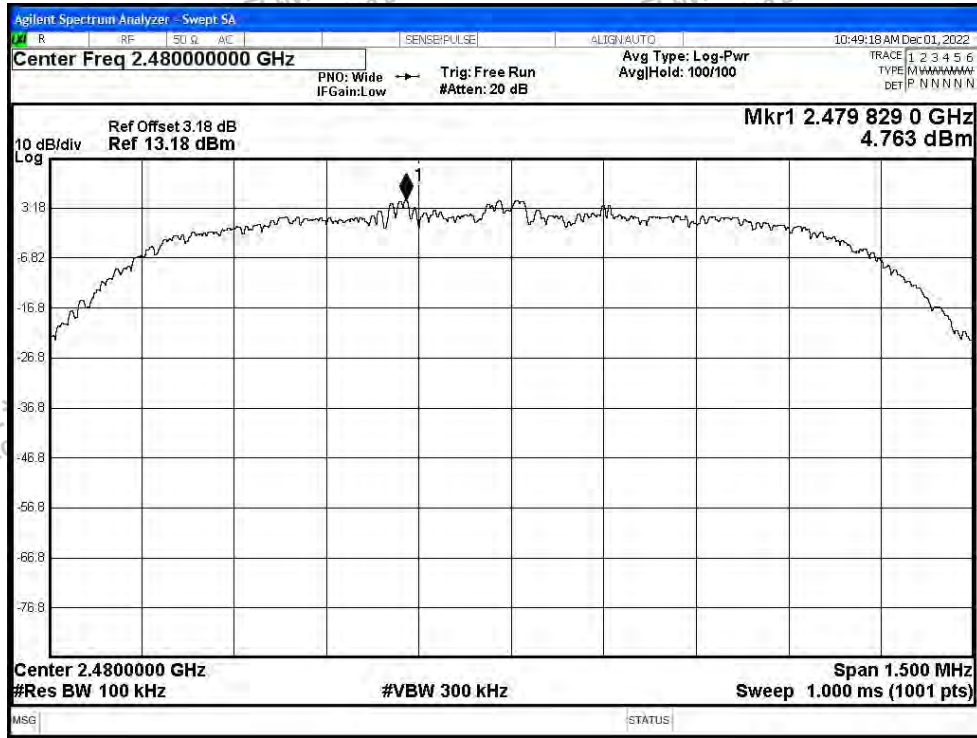


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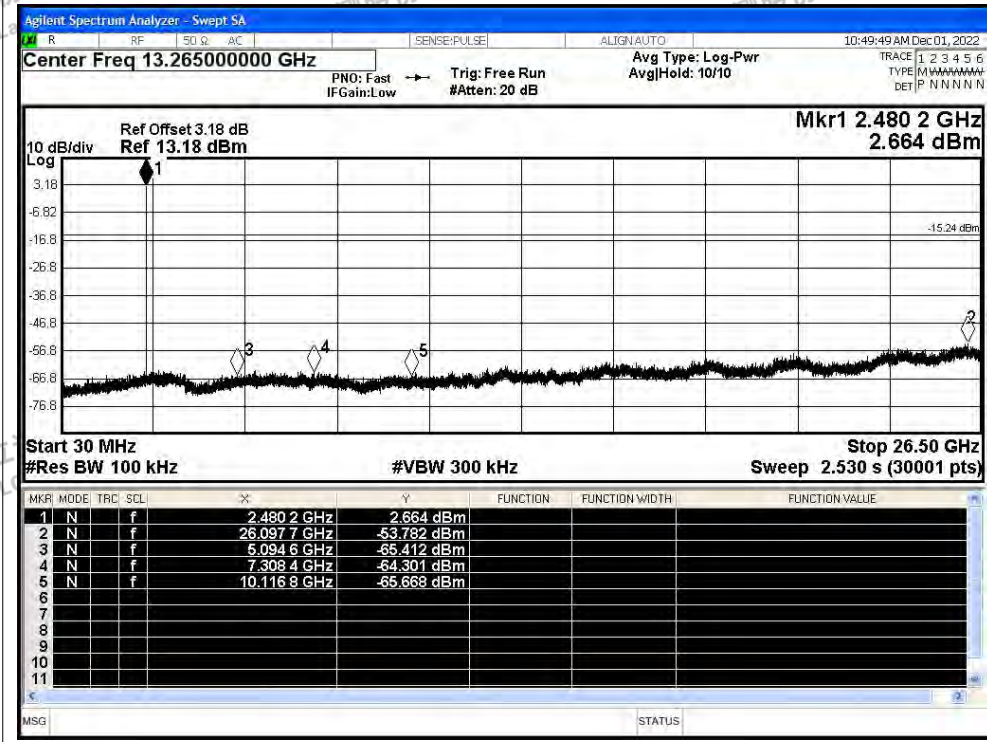




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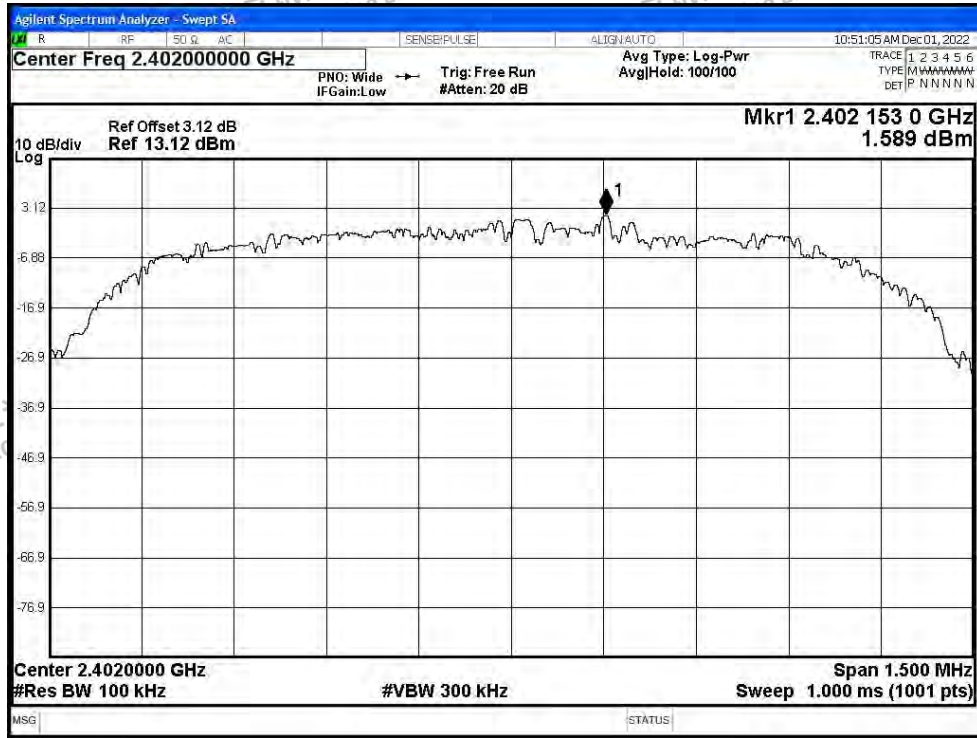


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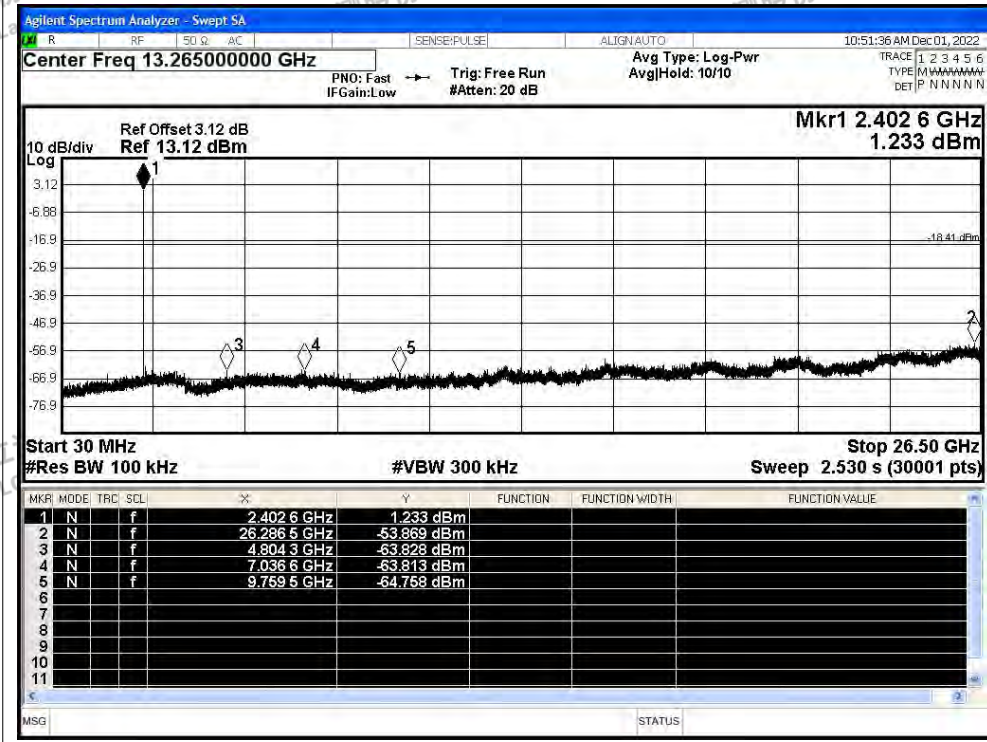




Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



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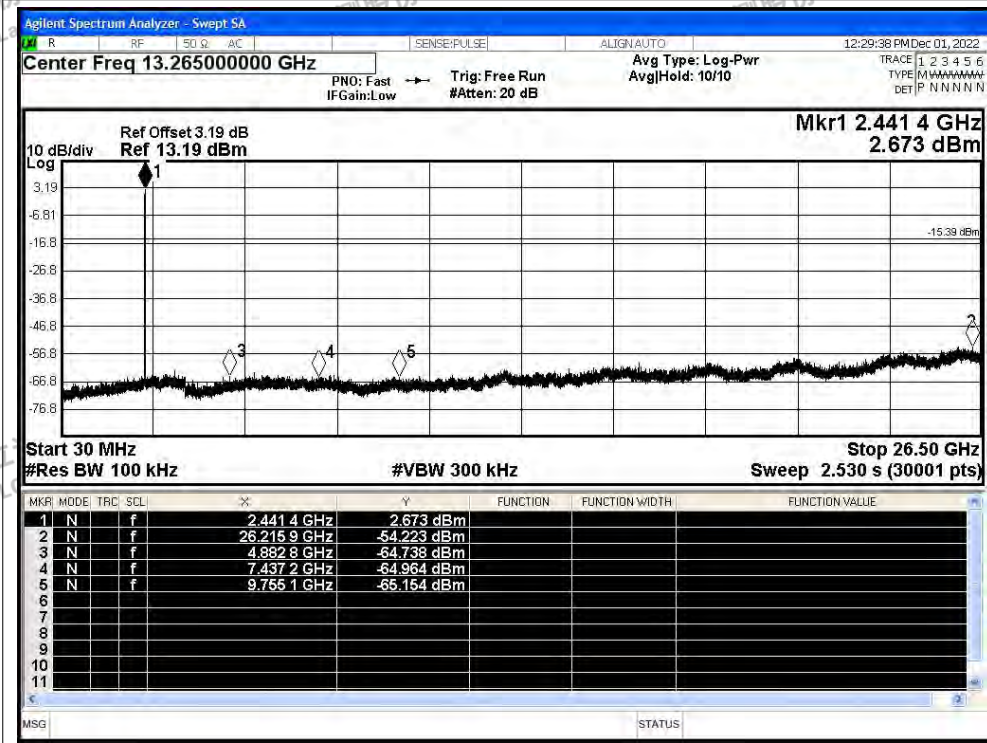




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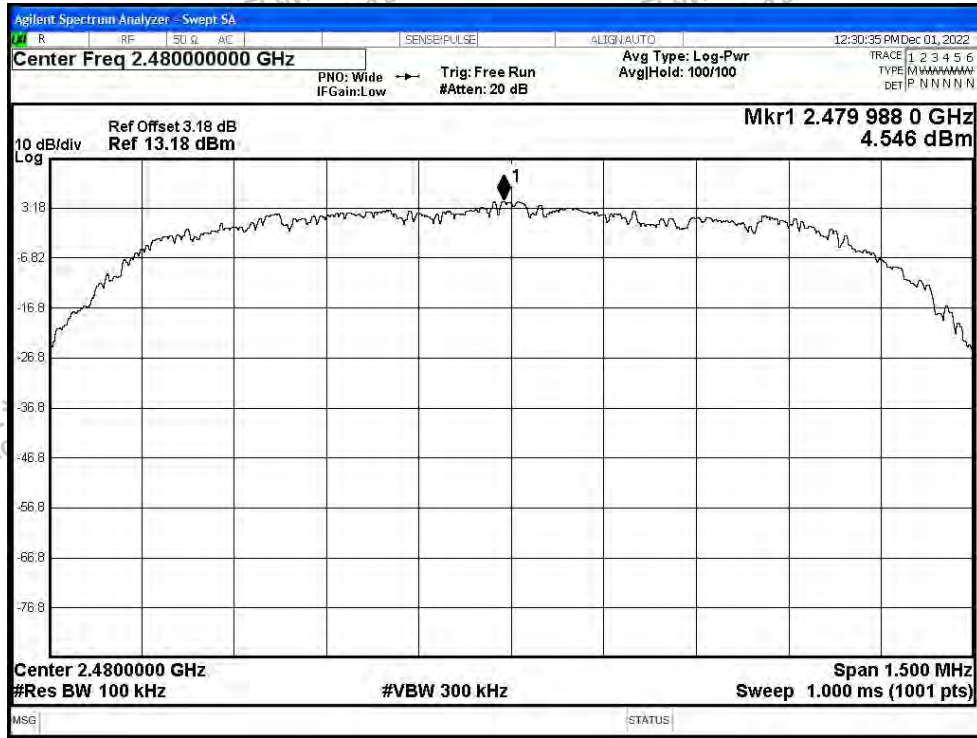


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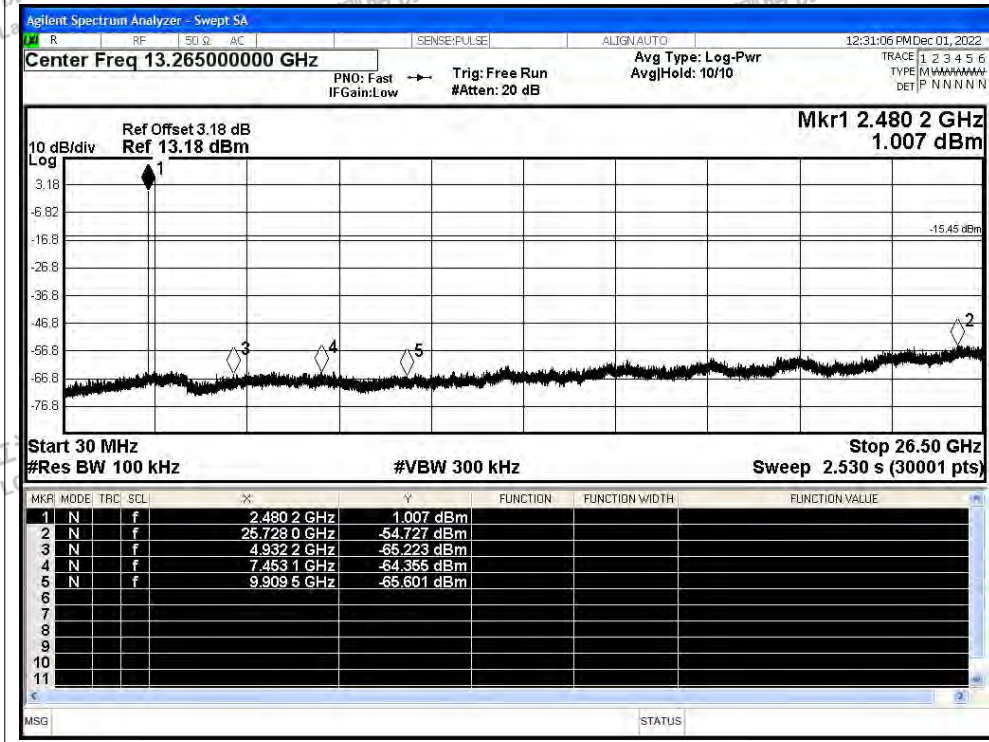




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





### A.8 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.49	2	47.77	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-59.41	2	37.85	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2383.44	-46.84	2	50.42	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2387.088	-58.78	2	38.48	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-48.03	2	49.23	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.08	2	38.18	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-45.25	2	52.01	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.96	2	39.3	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2487.016	-40.5	2	56.76	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.584	-57.85	2	39.41	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-50.1	2	47.16	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.67	2	38.59	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.89	2	47.37	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-59.24	2	38.02	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2366.448	-46.53	2	50.73	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.2	-58.91	2	38.35	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.07	2	48.19	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.06	2	38.2	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-45.51	2	51.75	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-55.96	2	41.3	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.952	-37.97	2	59.29	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-55.96	2	41.3	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-48.75	2	48.51	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.65	2	38.61	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-50.16	2	47.1	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-59.35	2	37.91	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2363.184	-46.24	2	51.02	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2388.624	-58.82	2	38.44	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.18	2	46.08	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.08	2	38.18	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-41.95	2	55.31	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-55.67	2	41.59	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2485.432	-39.16	2	58.1	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-55.67	2	41.59	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-48.8	2	48.46	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.62	2	38.64	Average	54	Pass



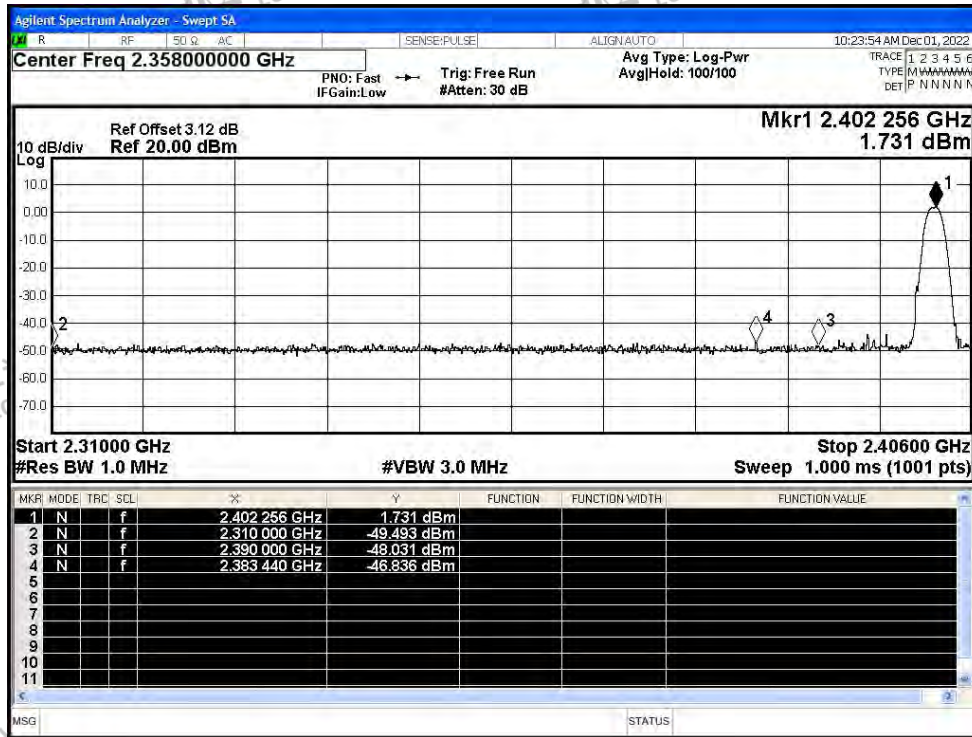
Shenzhen LCS Compliance Testing Laboratory Ltd.  
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China  
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
 Scan code to check authenticity



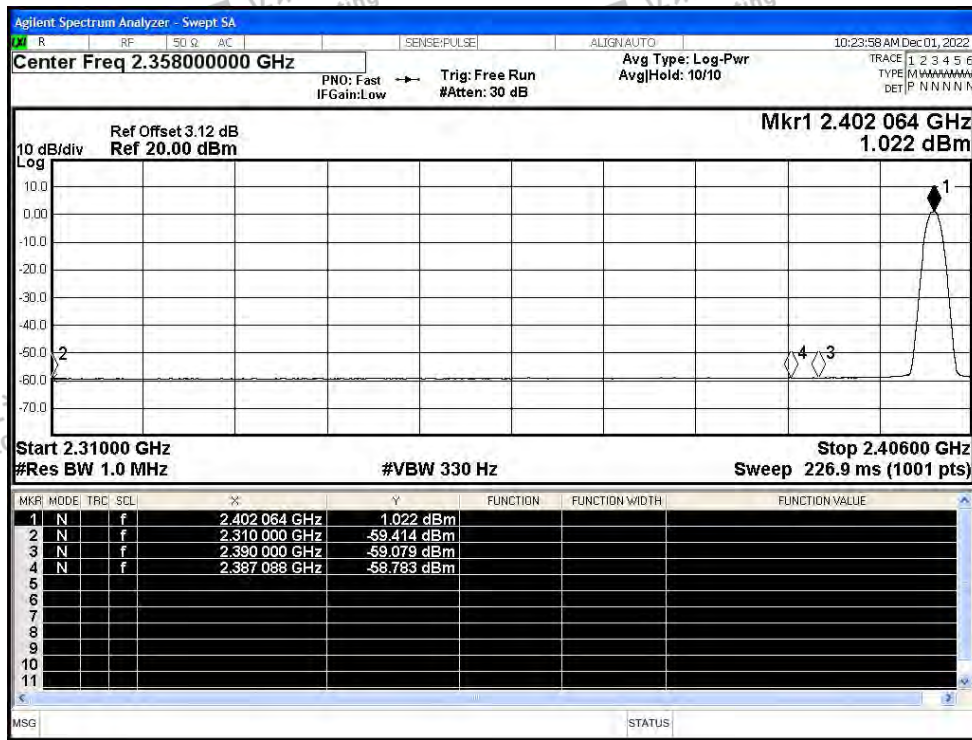


Test Graphs

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

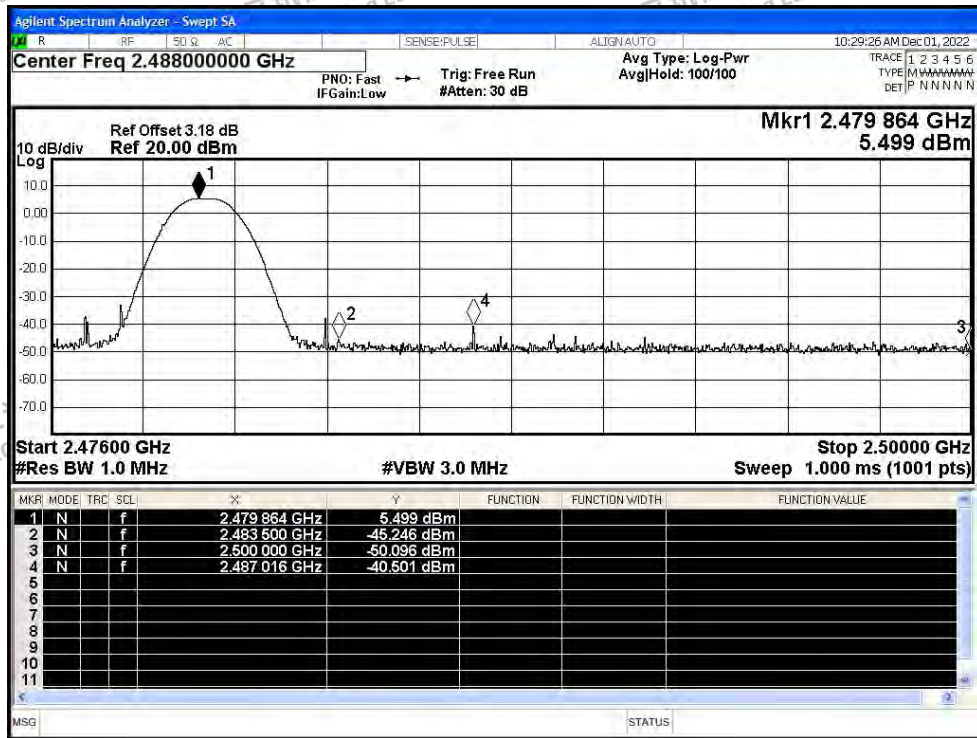


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

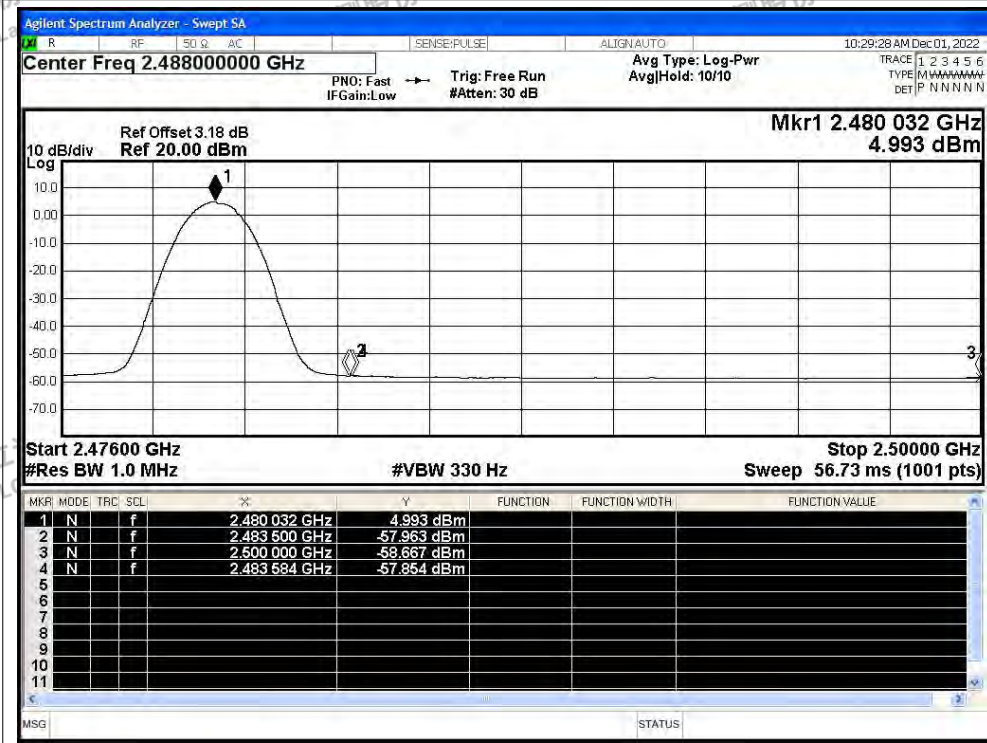




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

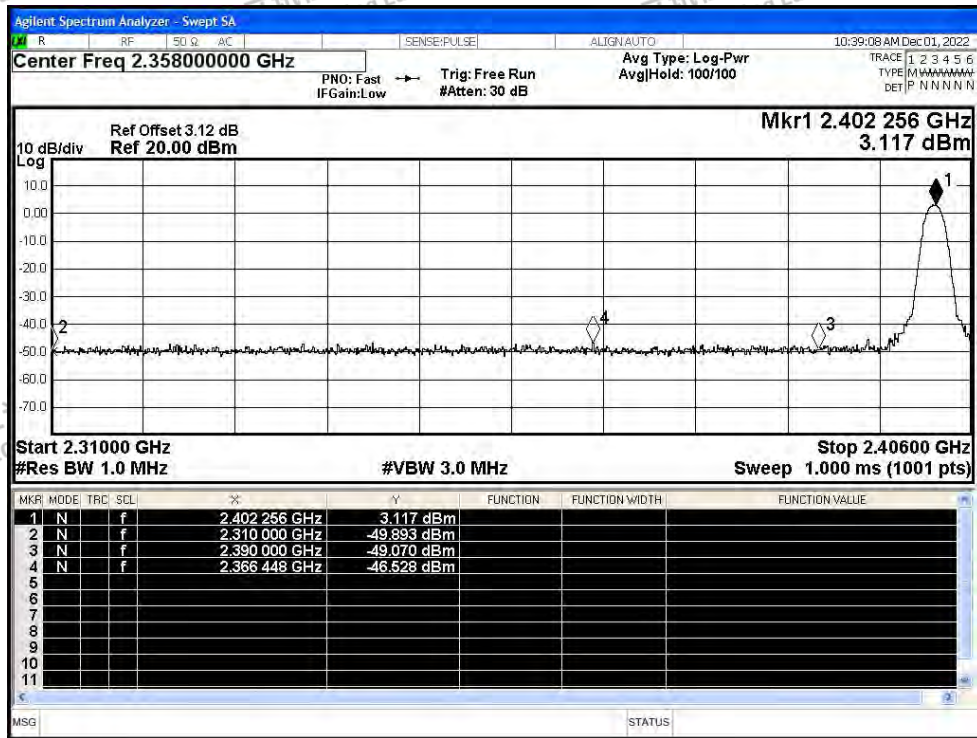


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

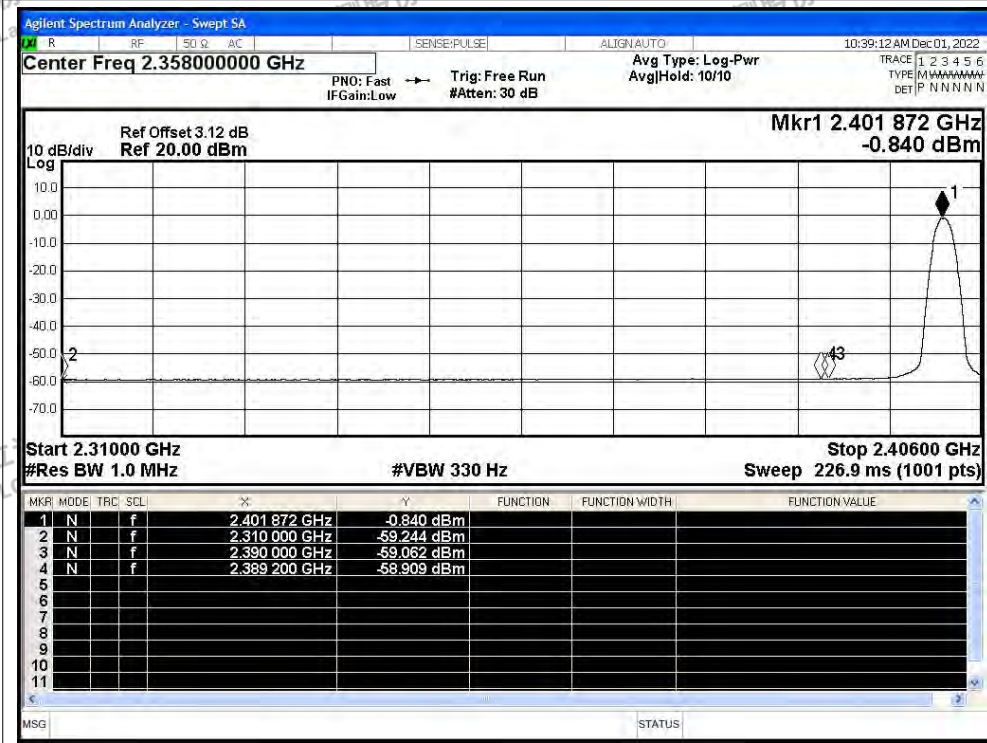




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

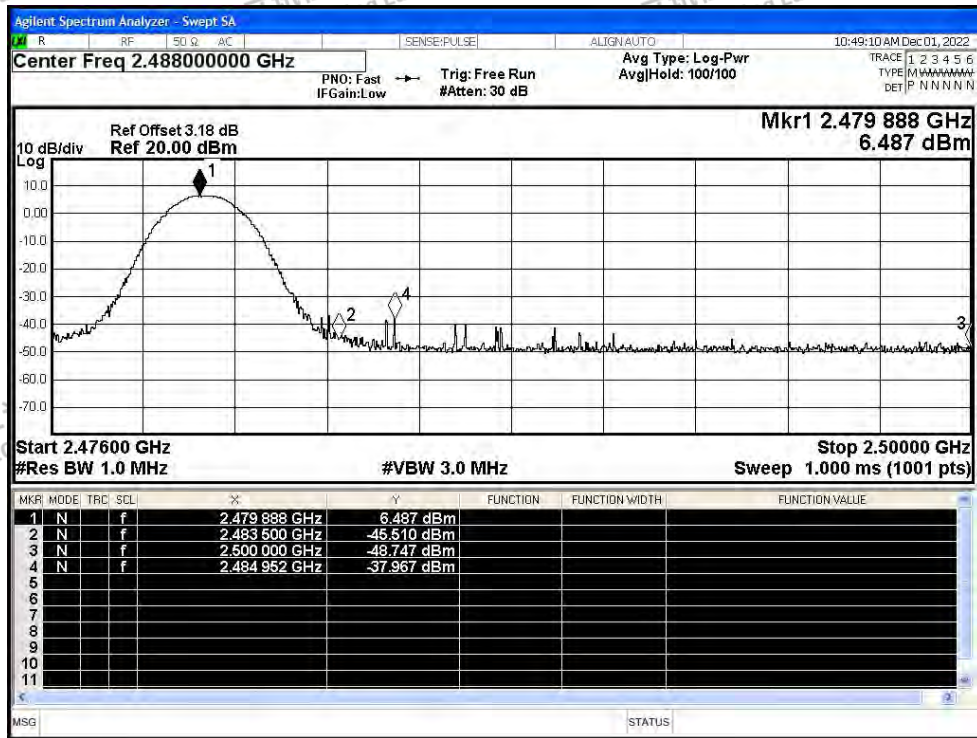


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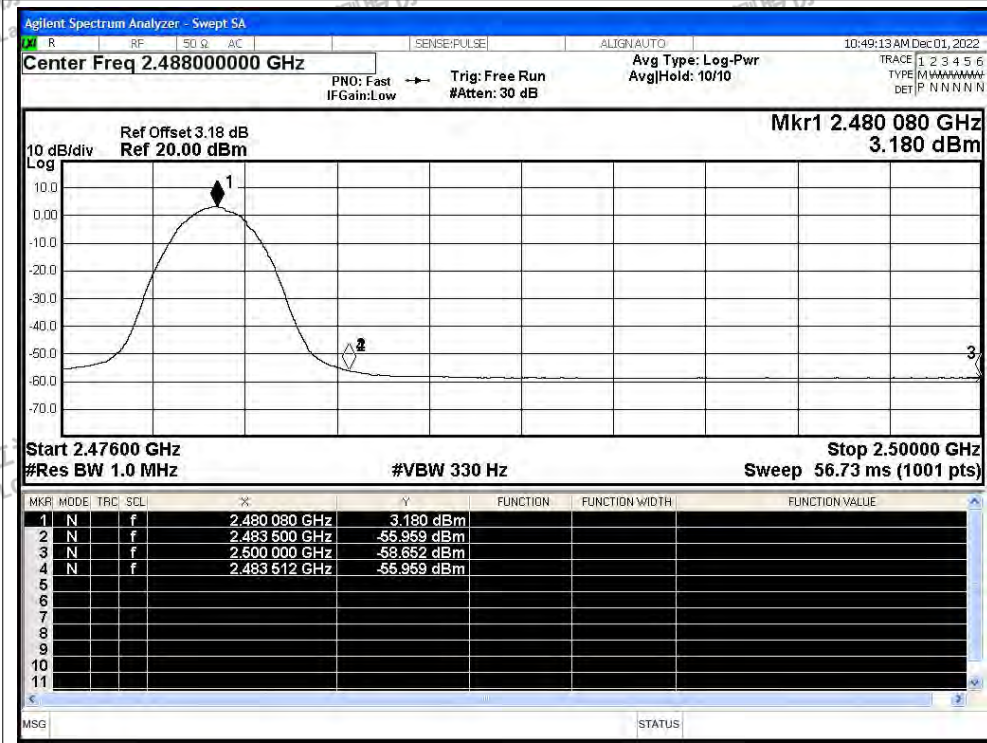




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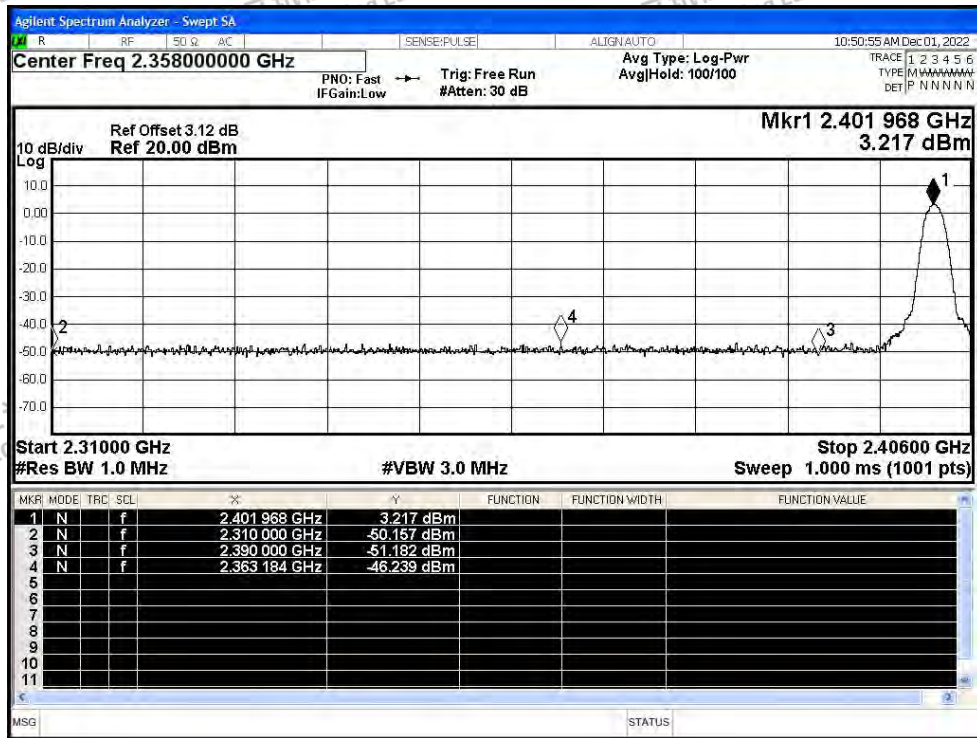


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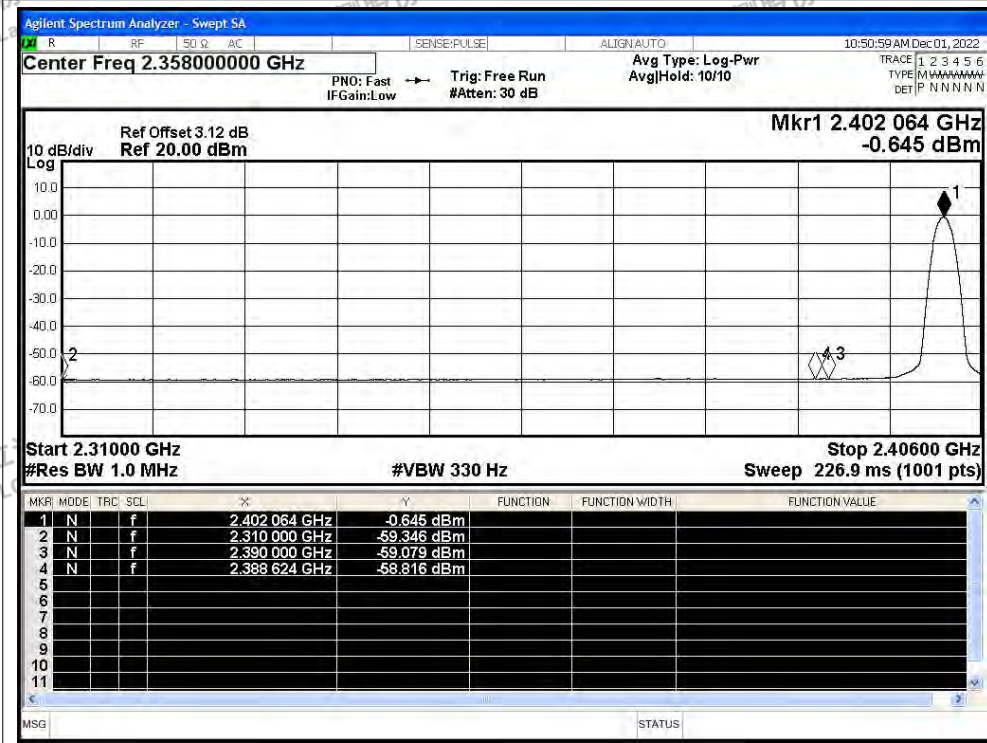




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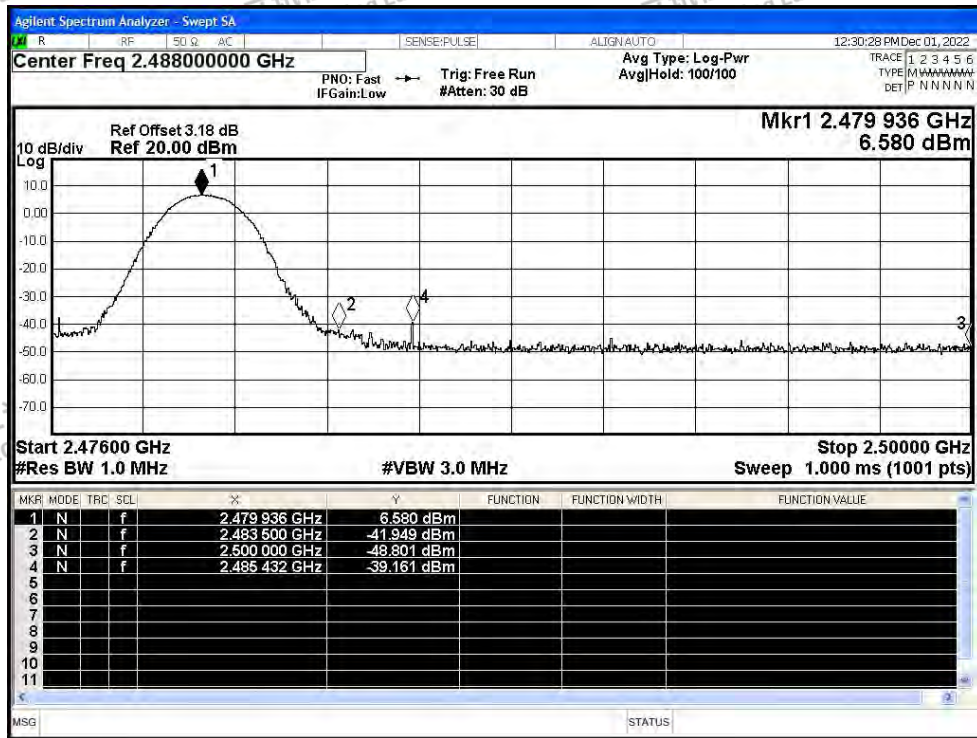


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

