



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: INTEGRATED AMPLIFIER

Test Model: 6000A

Environmental Conditions

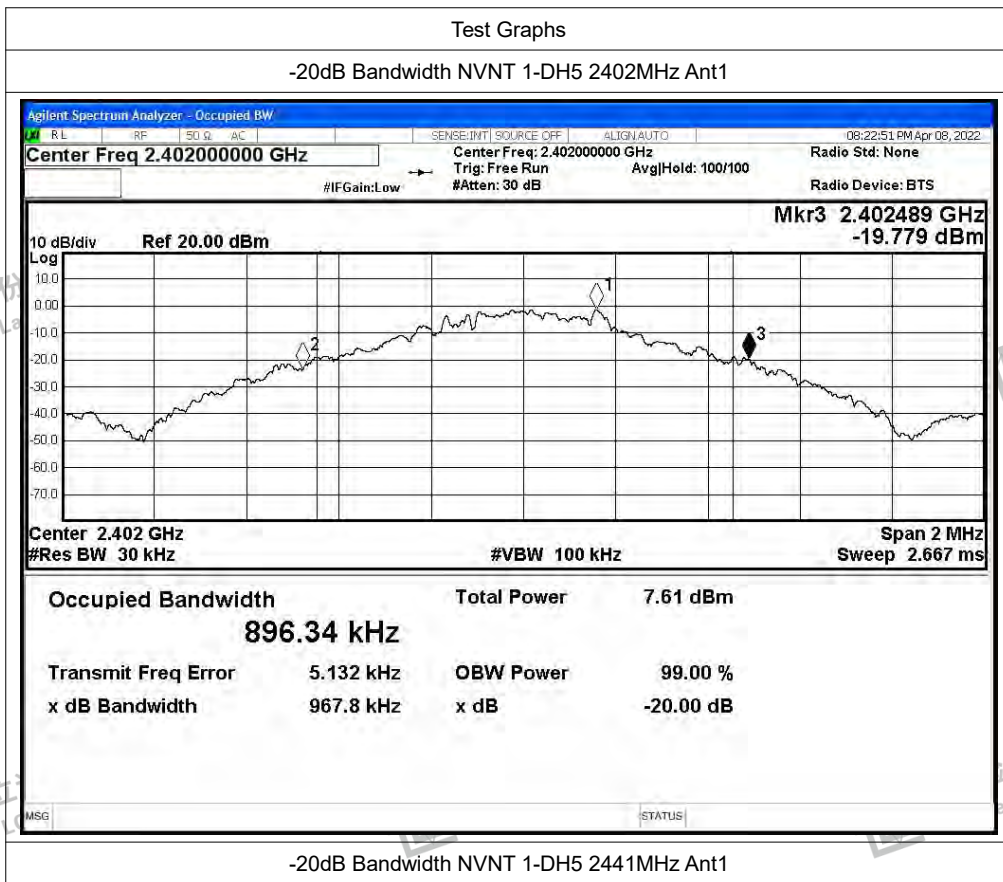
Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Bill Zhu
Supervised by:	Li Huan





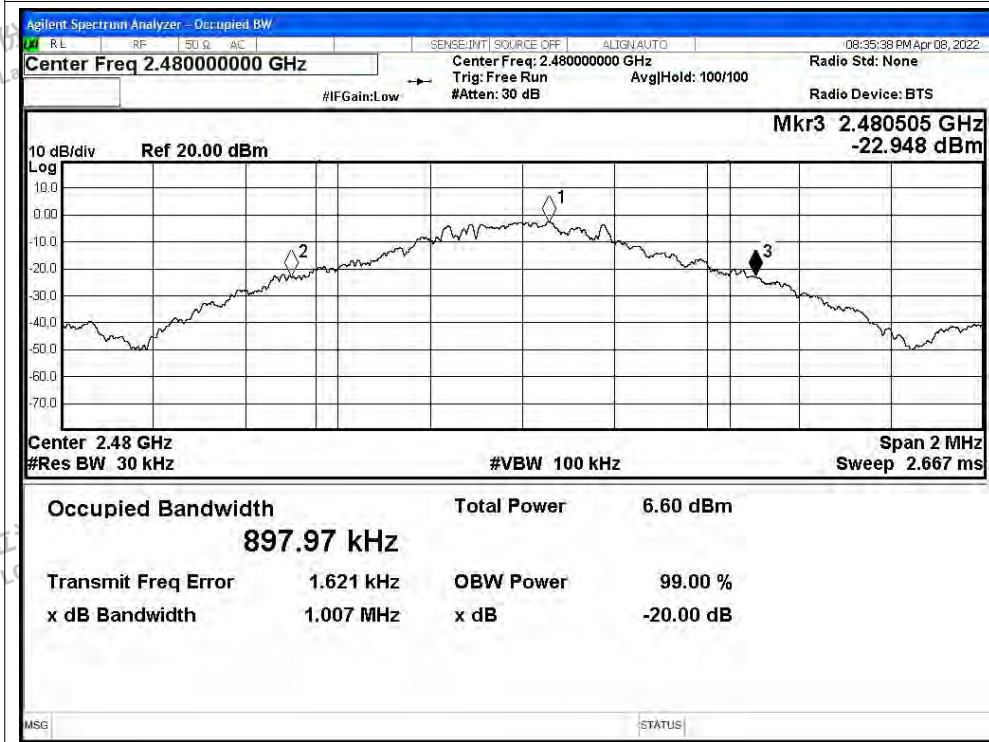
A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.968	0	Pass
NVNT	1-DH5	2441	Ant1	1.03	0	Pass
NVNT	1-DH5	2480	Ant1	1.007	0	Pass
NVNT	2-DH5	2402	Ant1	1.311	0	Pass
NVNT	2-DH5	2441	Ant1	1.313	0	Pass
NVNT	2-DH5	2480	Ant1	1.311	0	Pass
NVNT	3-DH5	2402	Ant1	1.29	0	Pass
NVNT	3-DH5	2441	Ant1	1.302	0	Pass
NVNT	3-DH5	2480	Ant1	1.277	0	Pass



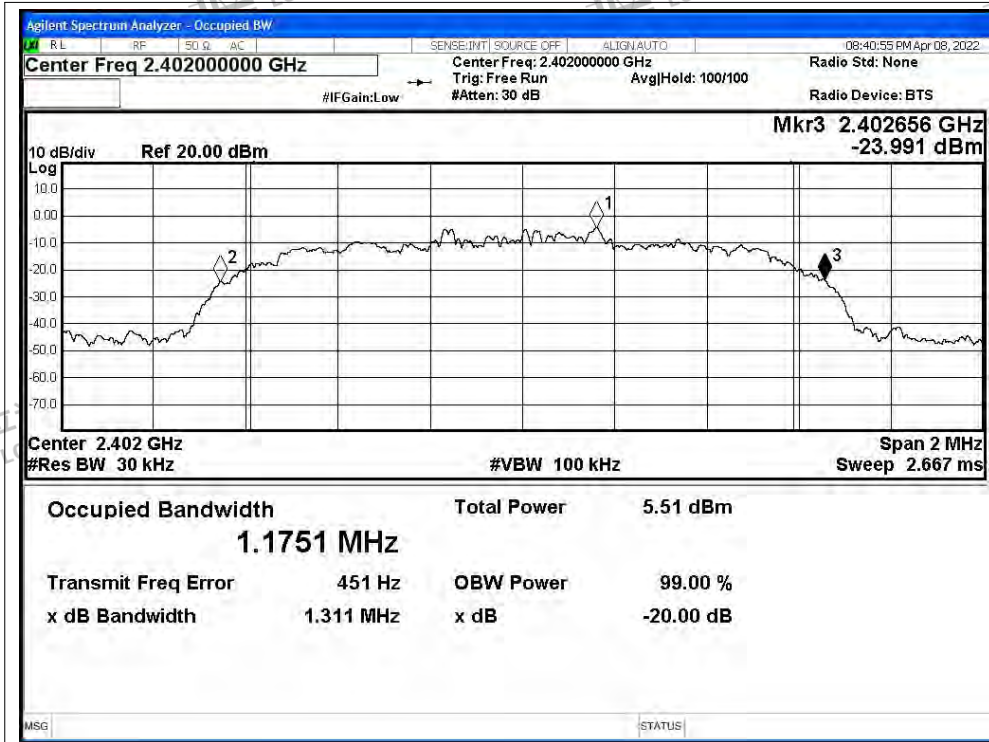


-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

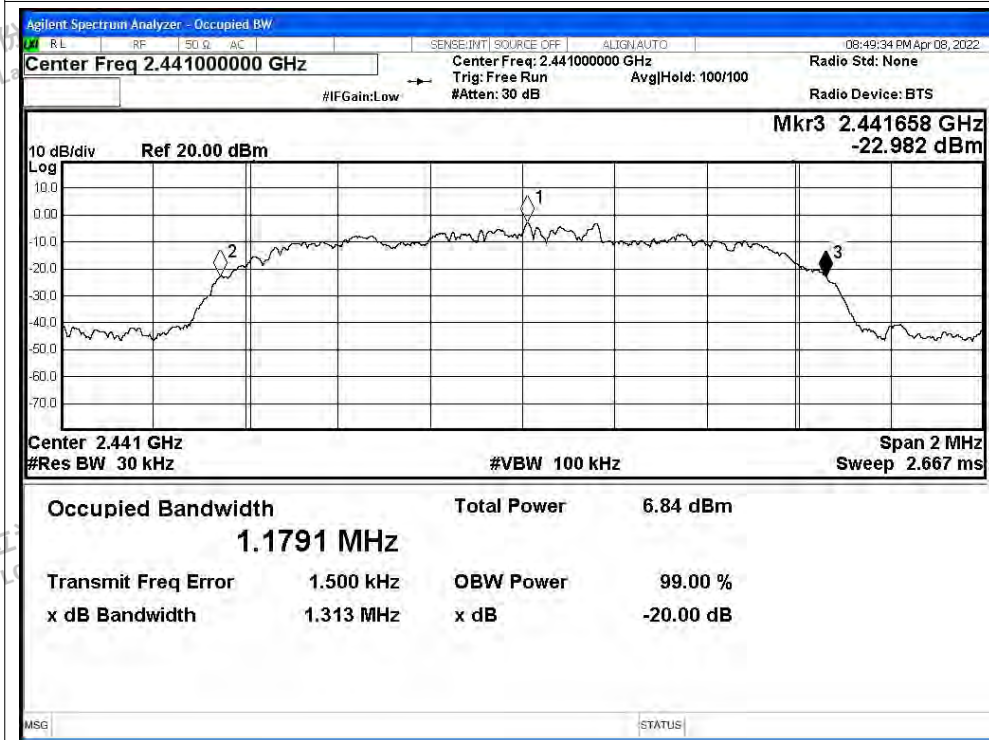


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



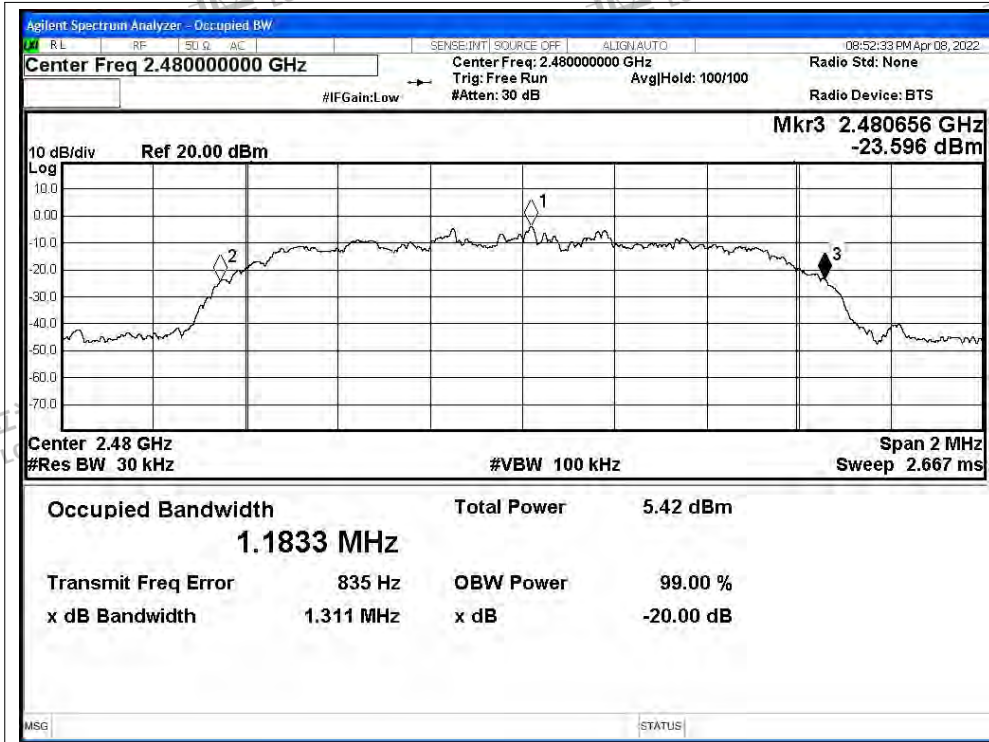


-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

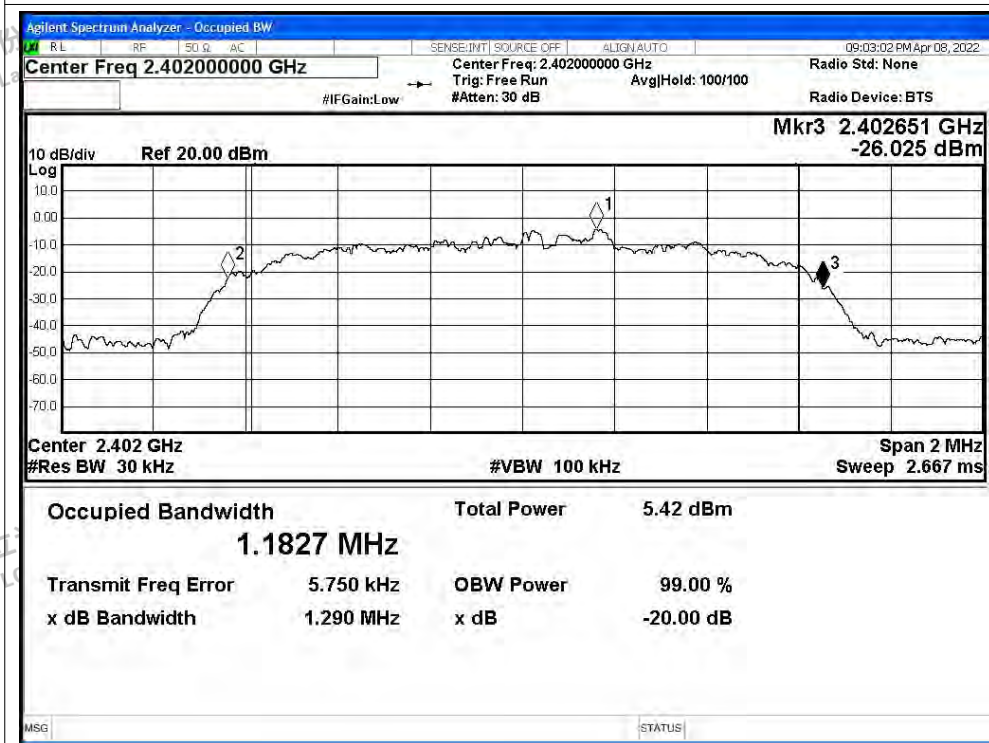


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



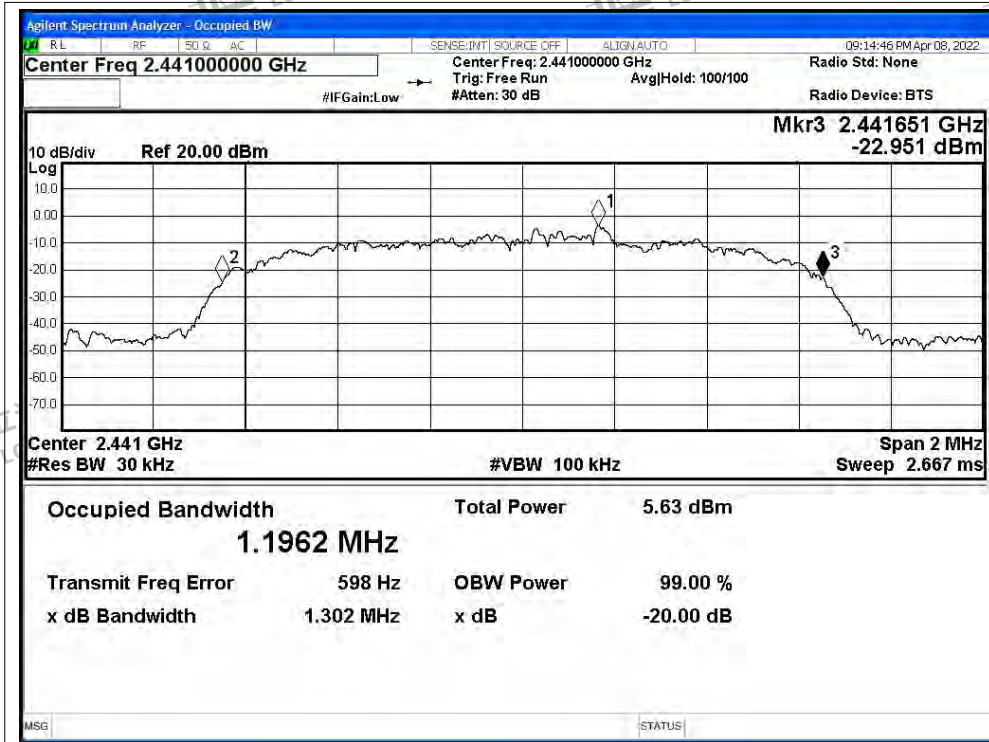


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

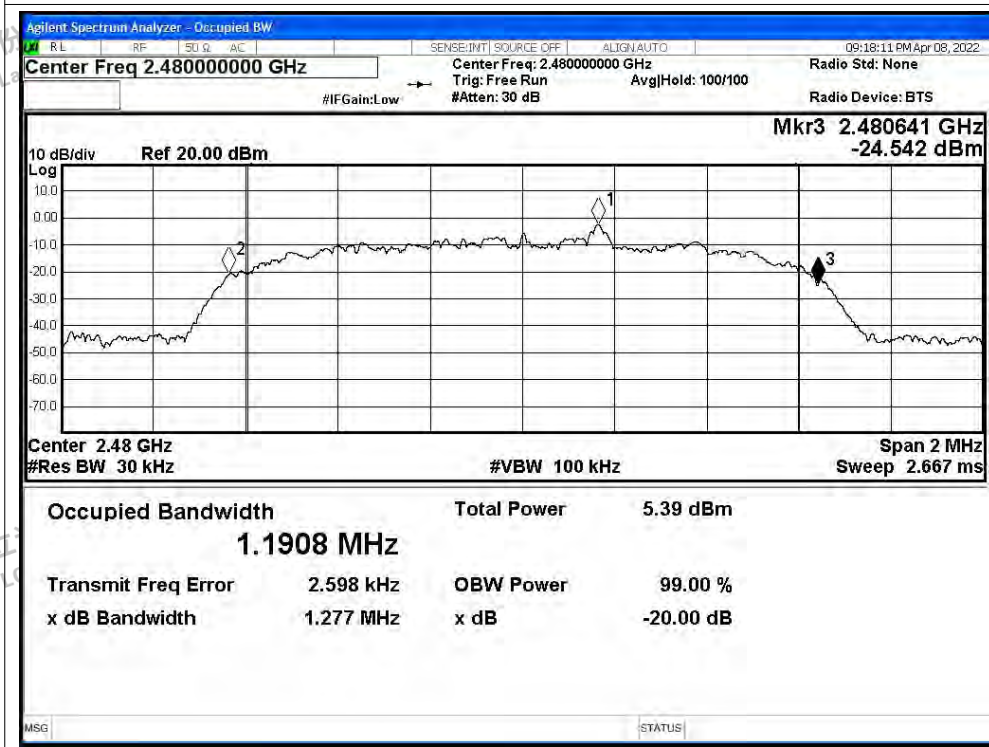


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





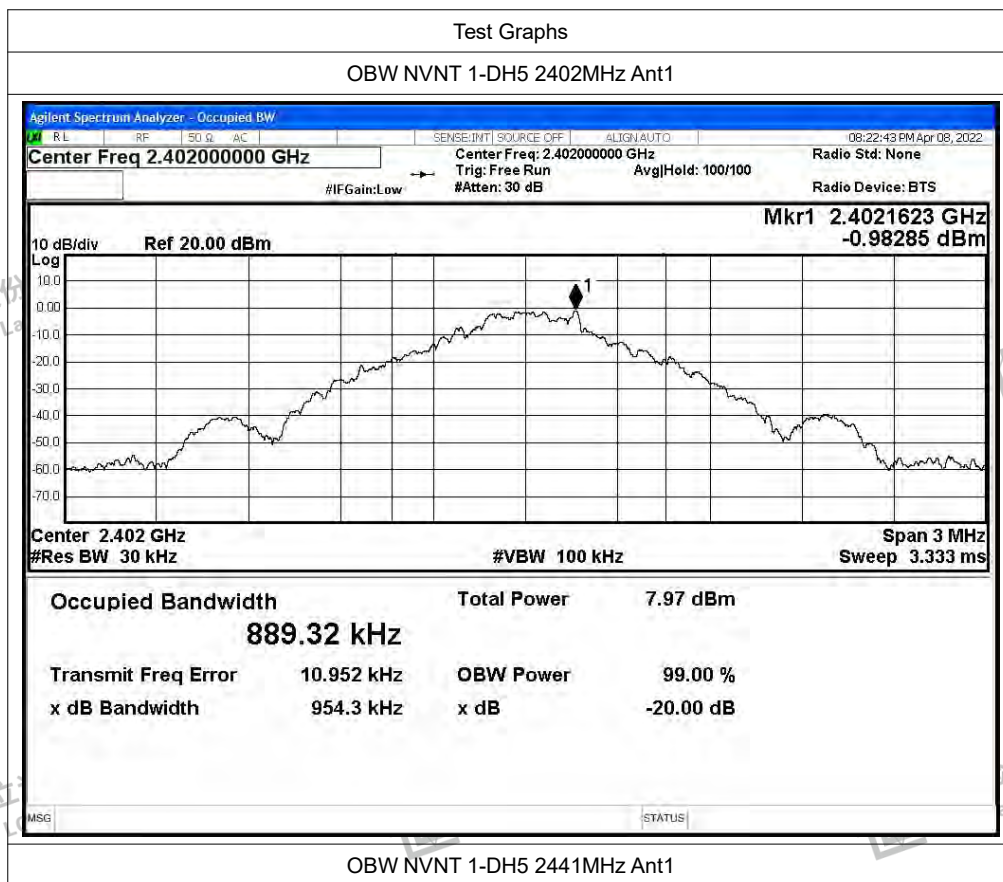
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

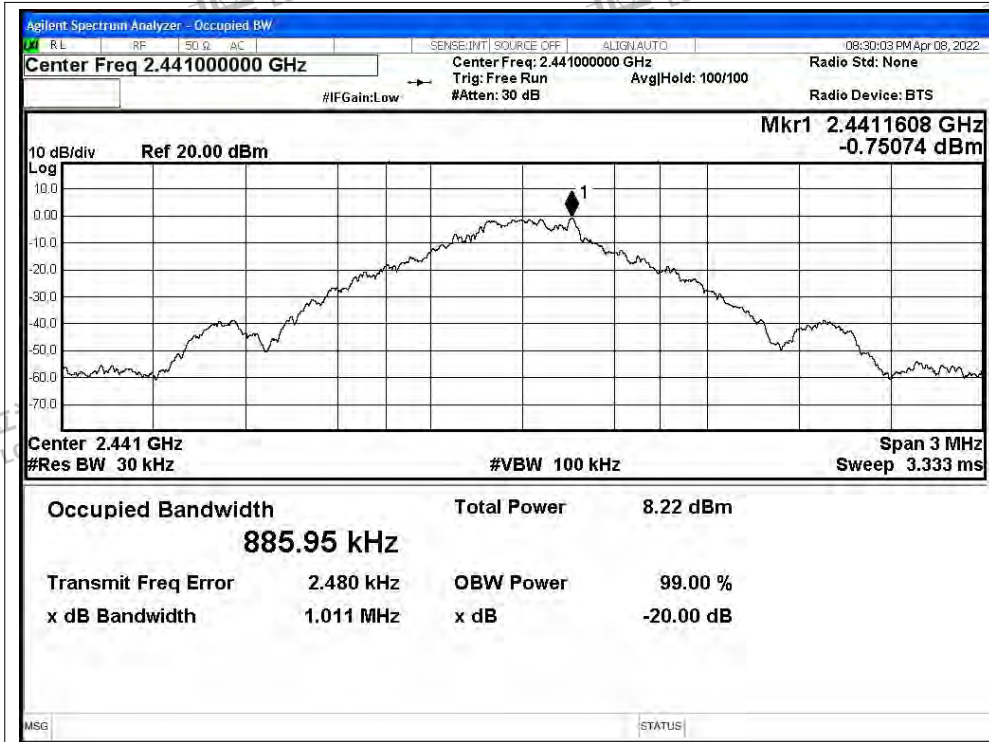




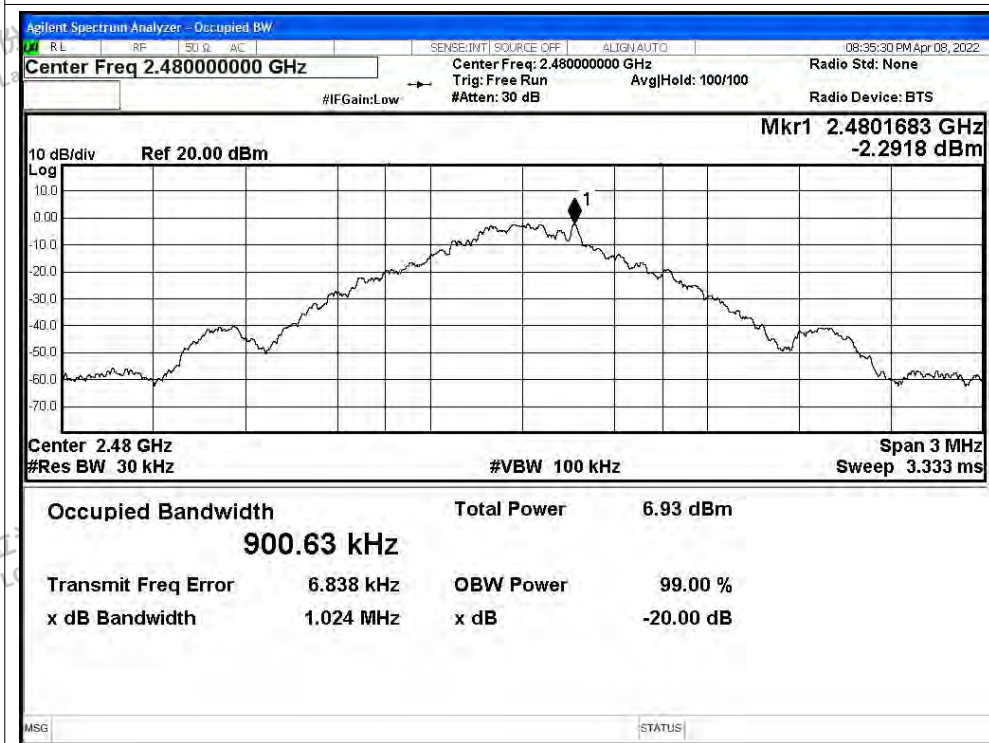
A.2 Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.889
NVNT	1-DH5	2441	Ant1	0.886
NVNT	1-DH5	2480	Ant1	0.901
NVNT	2-DH5	2402	Ant1	1.186
NVNT	2-DH5	2441	Ant1	1.181
NVNT	2-DH5	2480	Ant1	1.185
NVNT	3-DH5	2402	Ant1	1.193
NVNT	3-DH5	2441	Ant1	1.189
NVNT	3-DH5	2480	Ant1	1.193



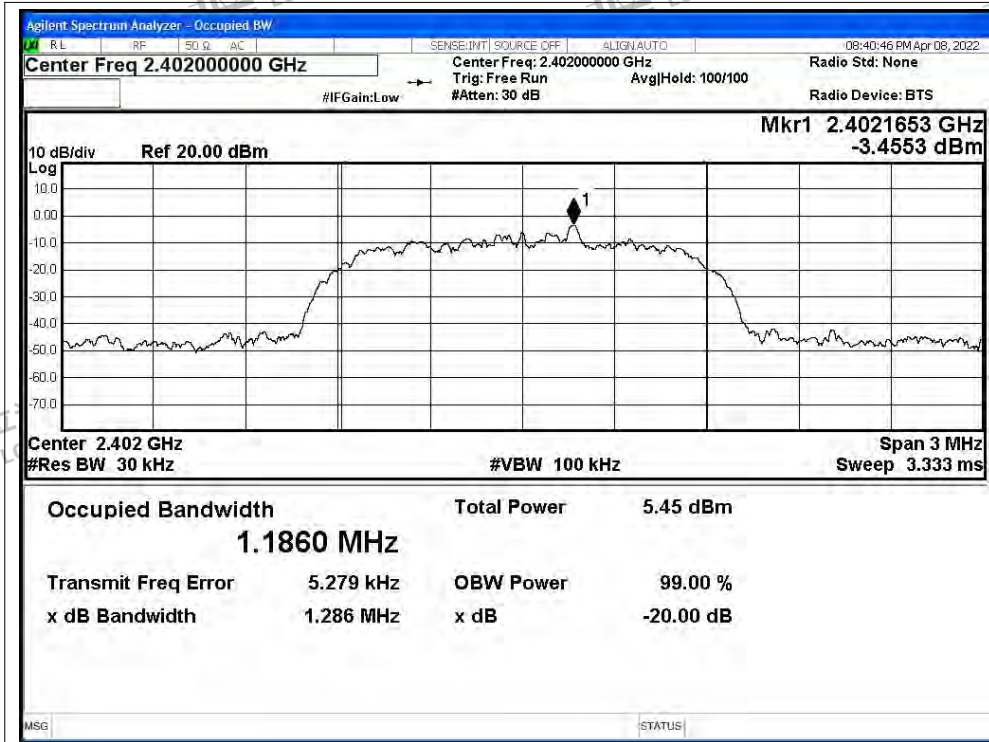


OBW NVNT 1-DH5 2480MHz Ant1

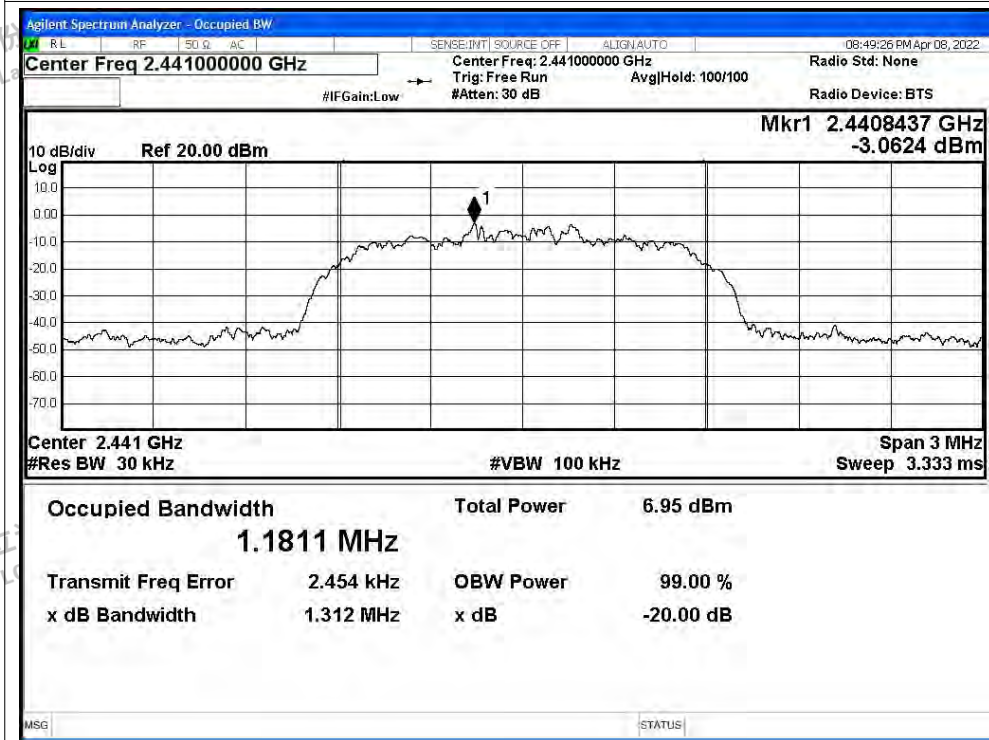


OBW NVNT 2-DH5 2402MHz Ant1



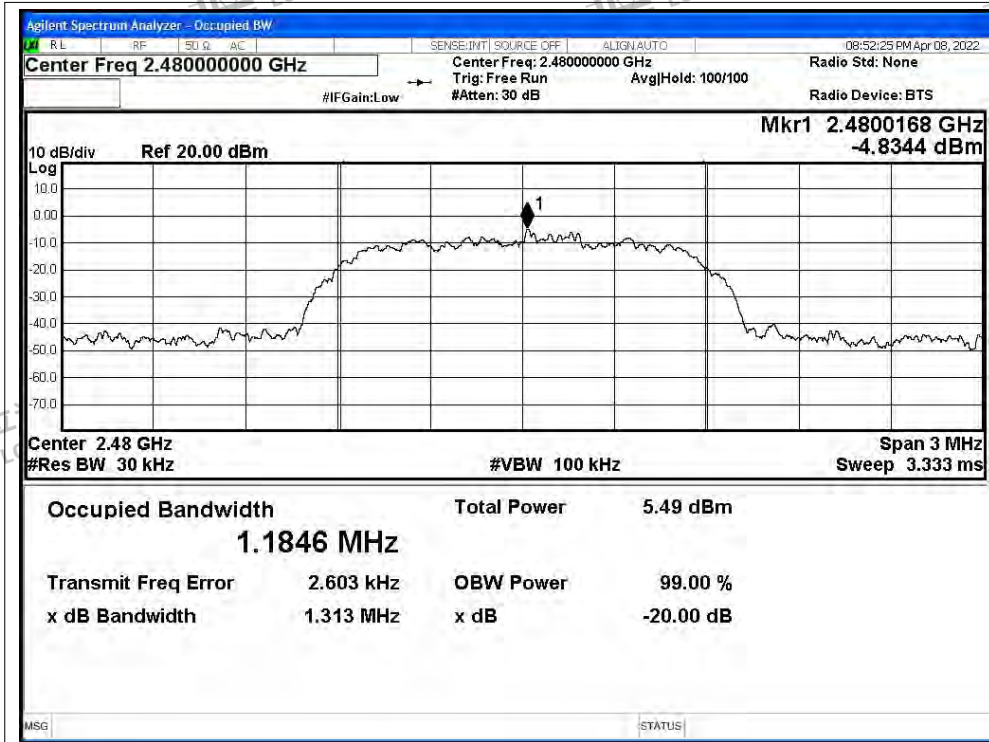


OBW NVNT 2-DH5 2441MHz Ant1

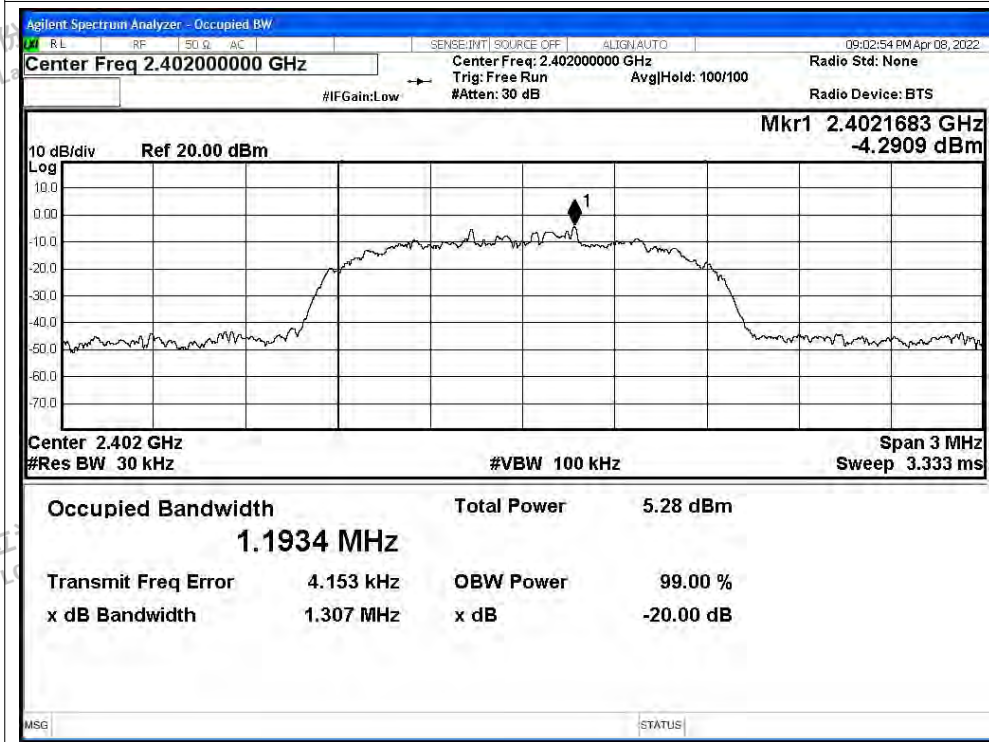


OBW NVNT 2-DH5 2480MHz Ant1



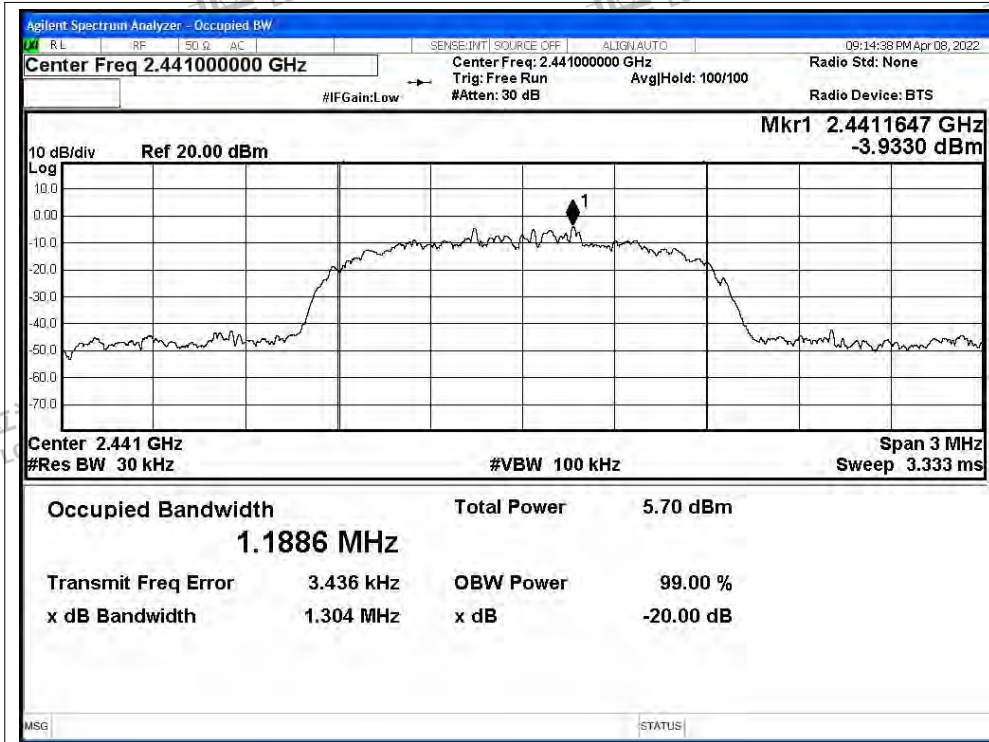


OBW NVNT 3-DH5 2402MHz Ant1

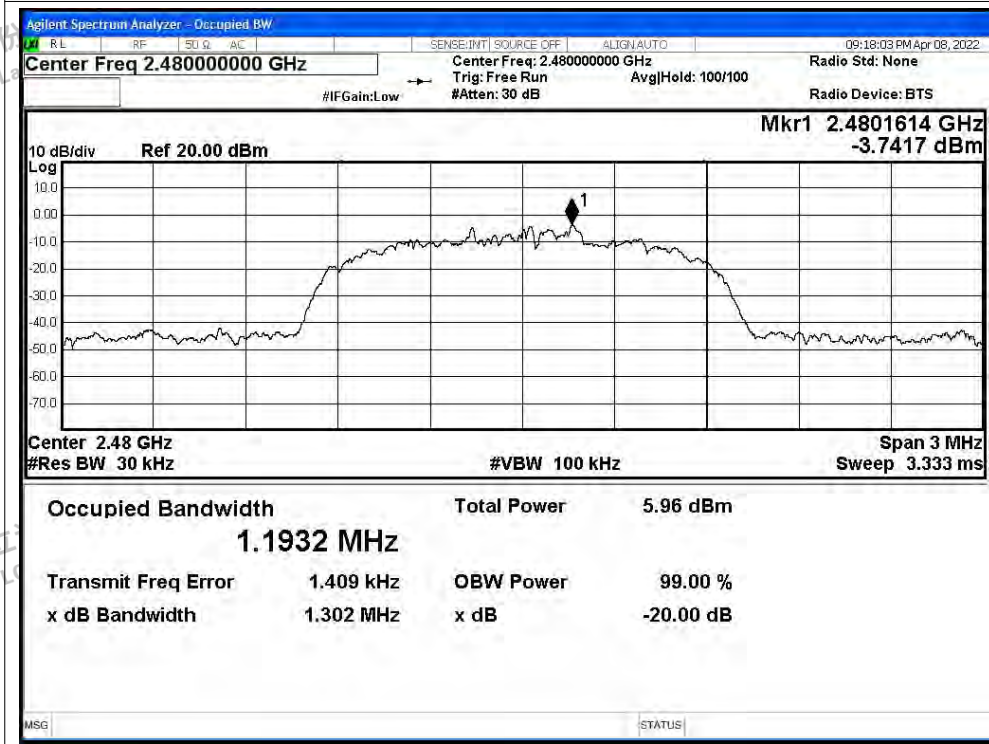


OBW NVNT 3-DH5 2441MHz Ant1





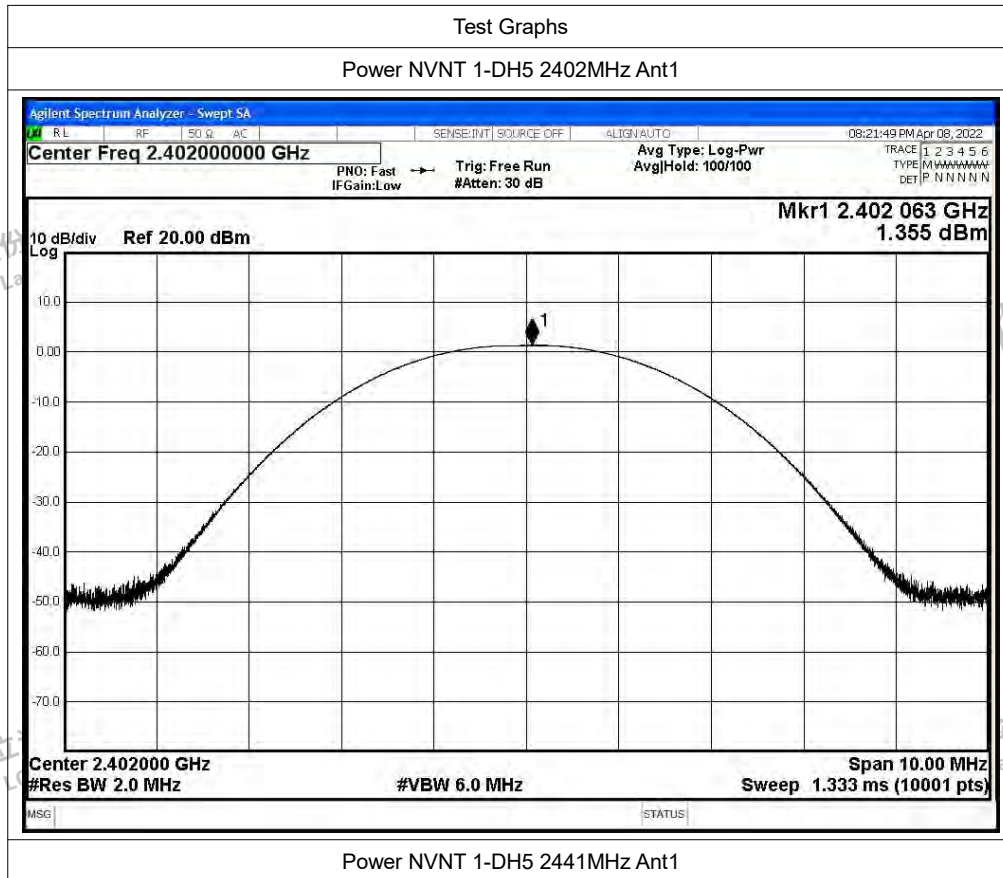
OBW NVNT 3-DH5 2480MHz Ant1

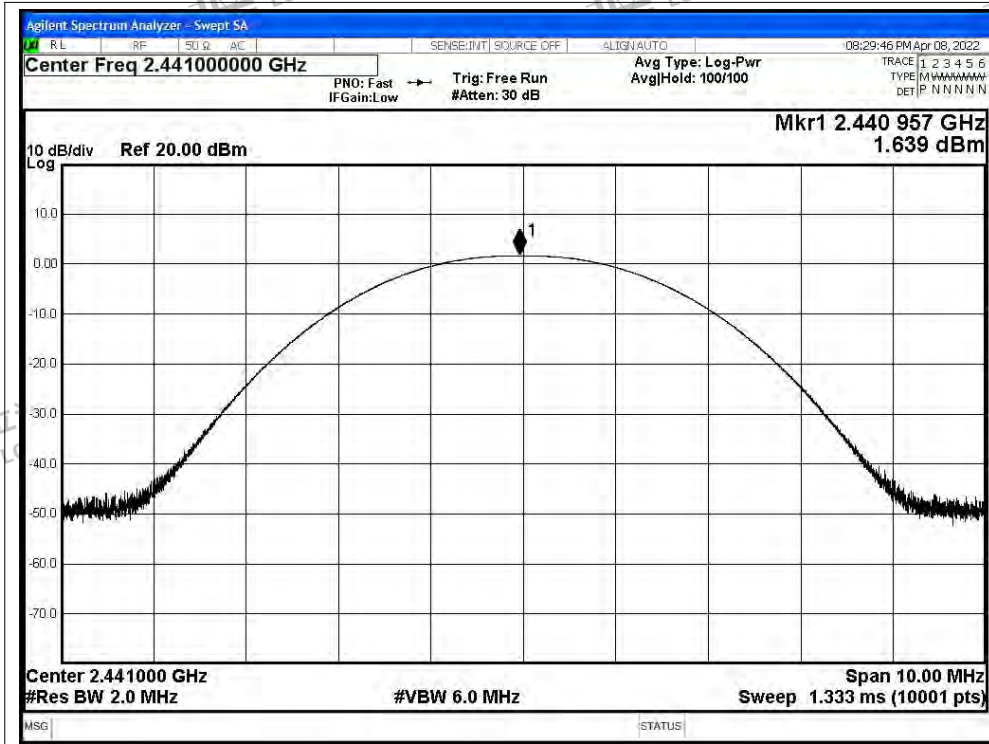




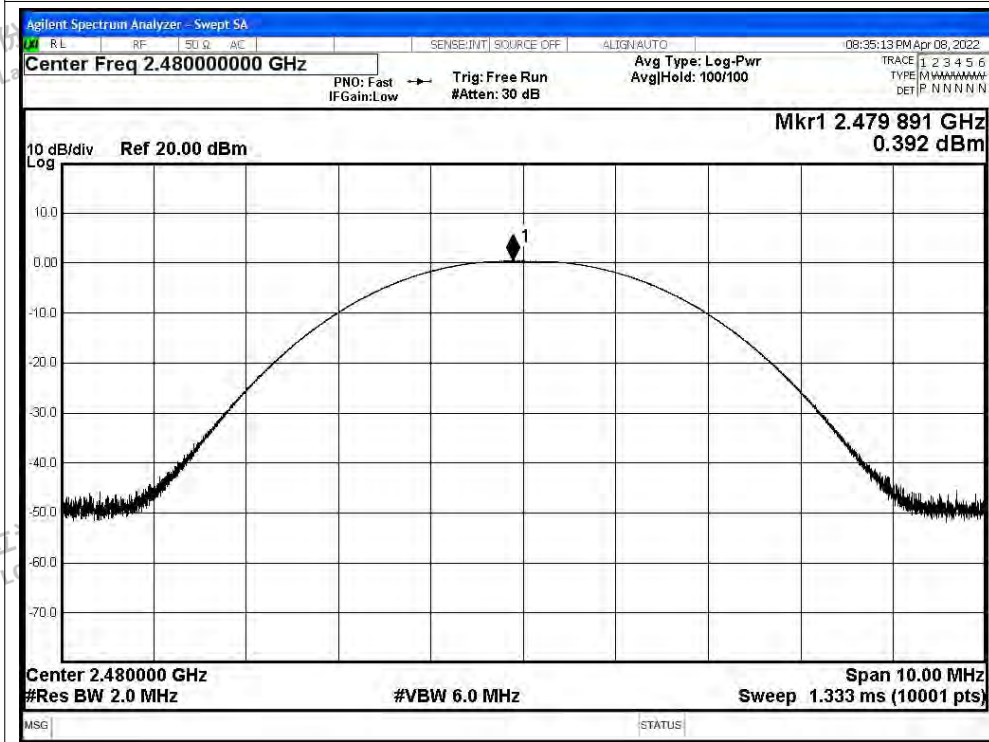
A.3 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	1.36	0	1.36	21	Pass
NVNT	1-DH5	2441	Ant1	1.64	0	1.64	21	Pass
NVNT	1-DH5	2480	Ant1	0.39	0	0.39	21	Pass
NVNT	2-DH5	2402	Ant1	0.45	0	0.45	21	Pass
NVNT	2-DH5	2441	Ant1	1.98	0	1.98	21	Pass
NVNT	2-DH5	2480	Ant1	0.73	0	0.73	21	Pass
NVNT	3-DH5	2402	Ant1	0.55	0	0.55	21	Pass
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NVNT	3-DH5	2480	Ant1	0.86	0	0.86	21	Pass



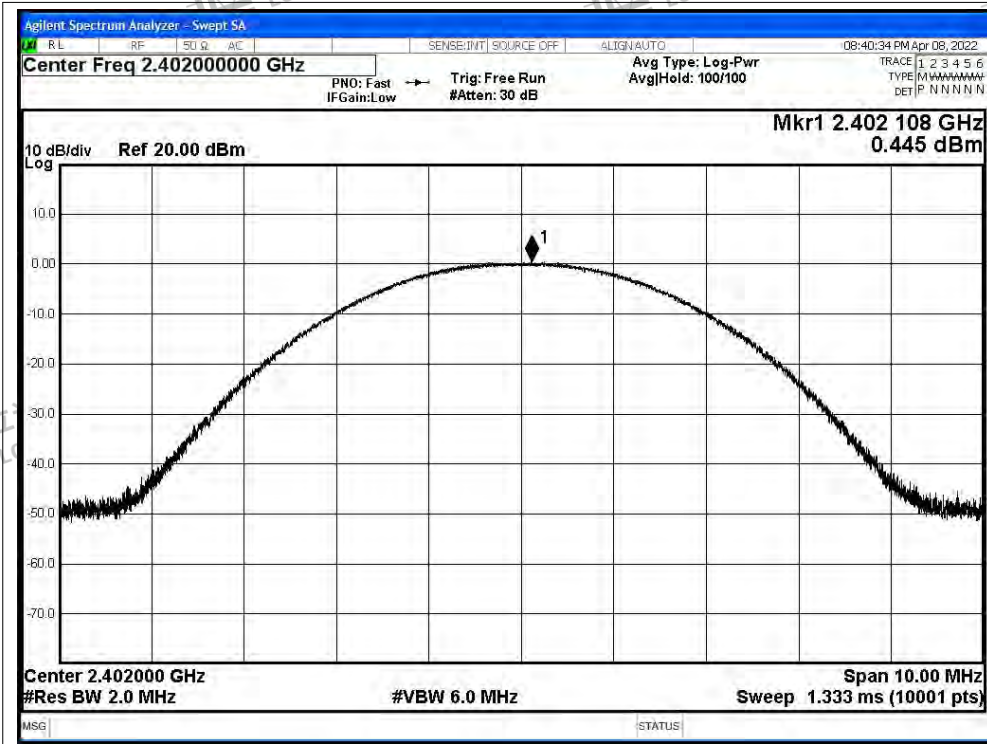


Power NVNT 1-DH5 2480MHz Ant1

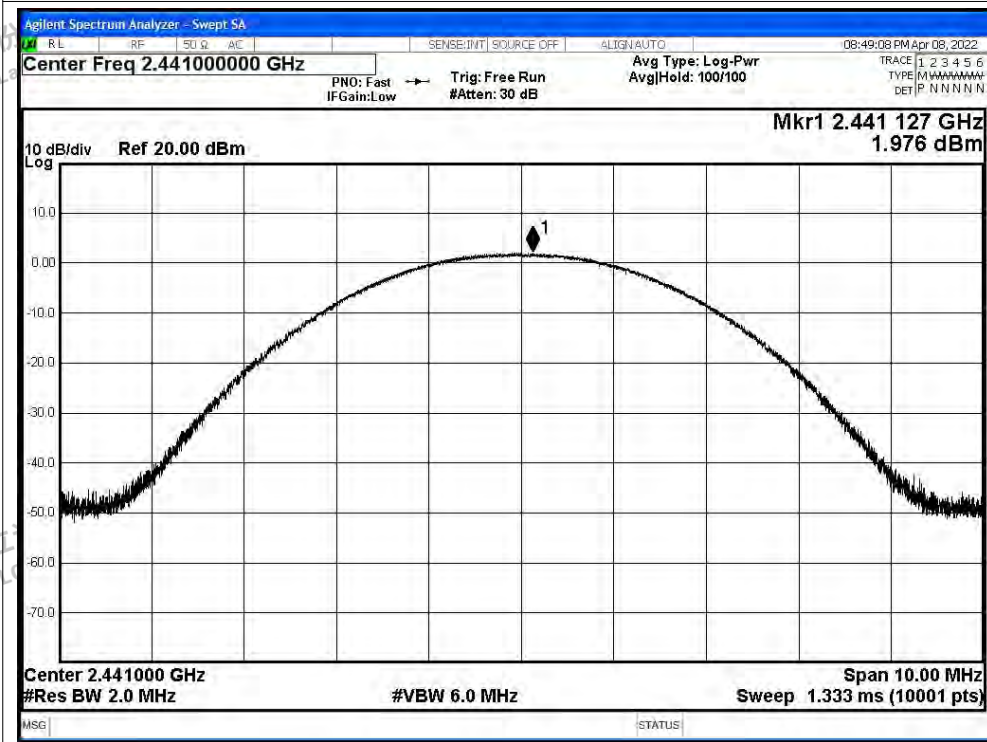


Power NVNT 2-DH5 2402MHz Ant1



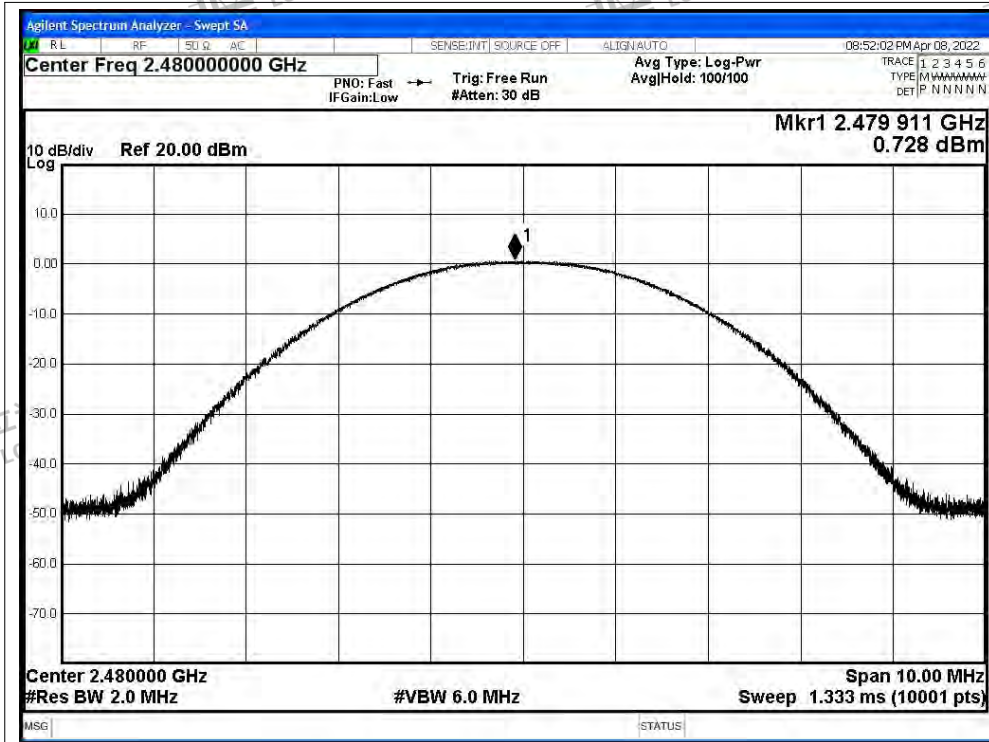


Power NVNT 2-DH5 2441MHz Ant1

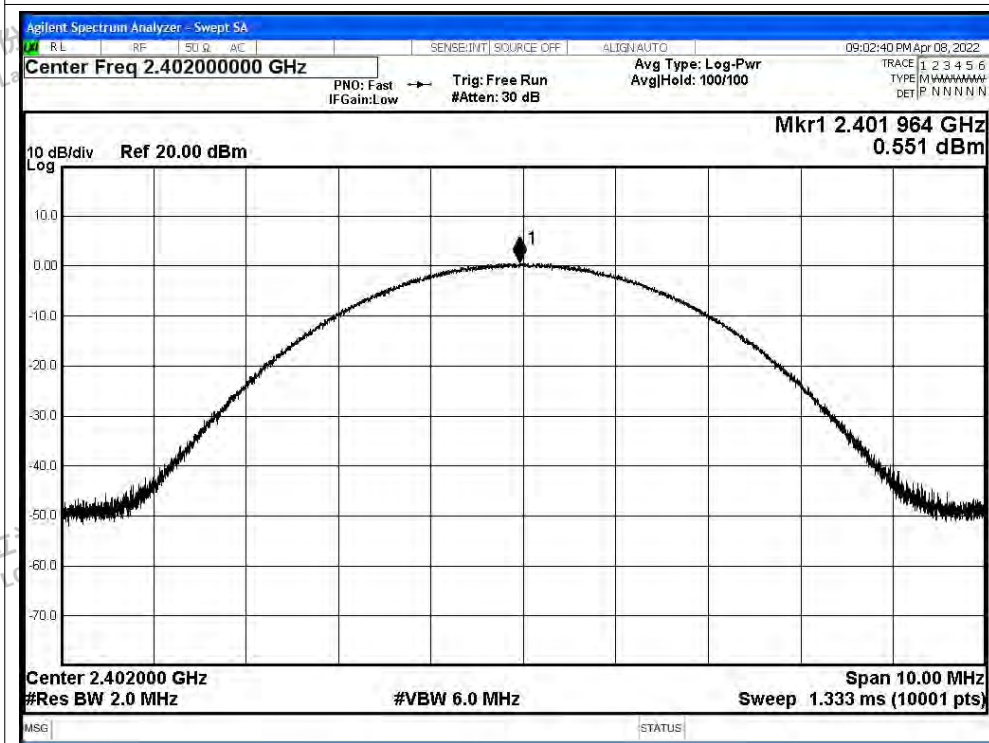


Power NVNT 2-DH5 2480MHz Ant1



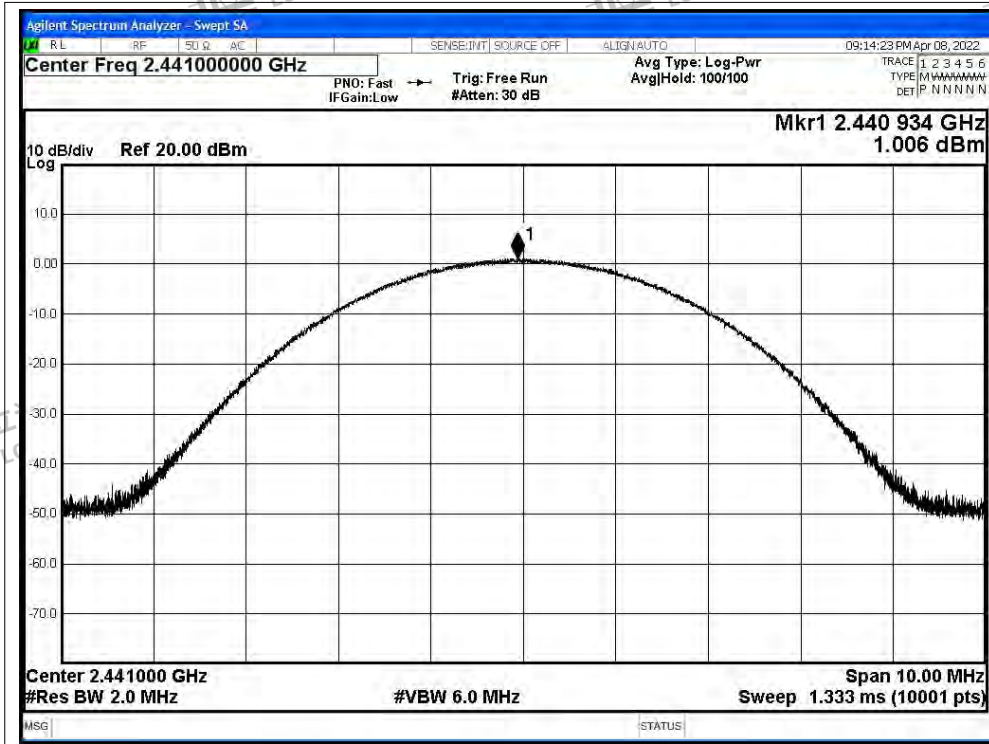


Power NVNT 3-DH5 2402MHz Ant1

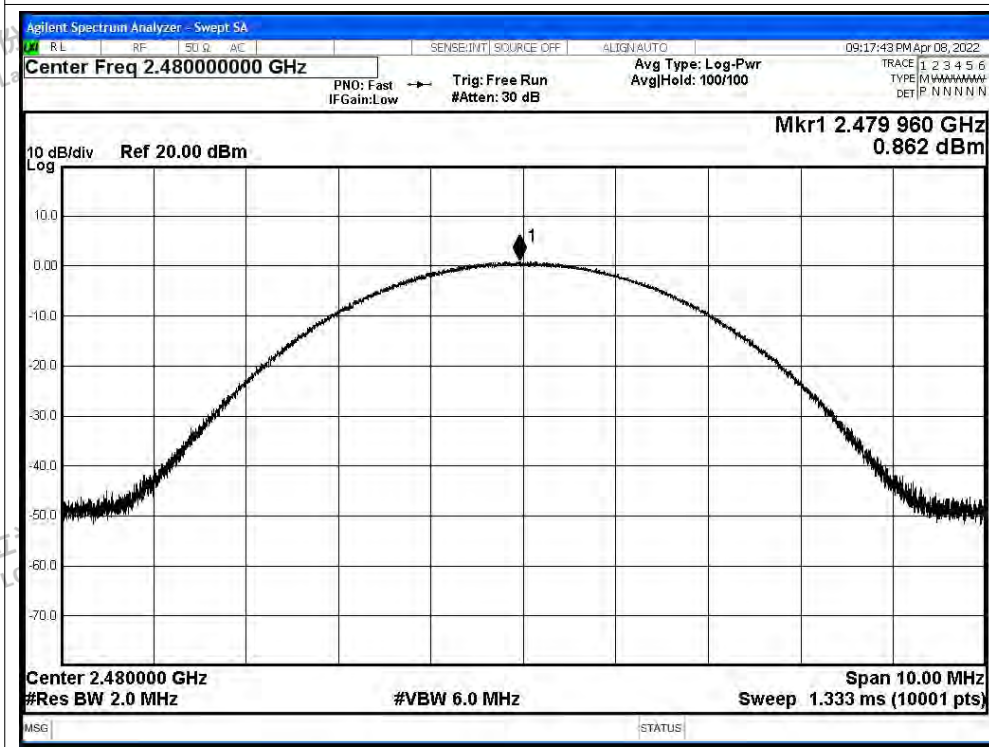


Power NVNT 3-DH5 2441MHz Ant1





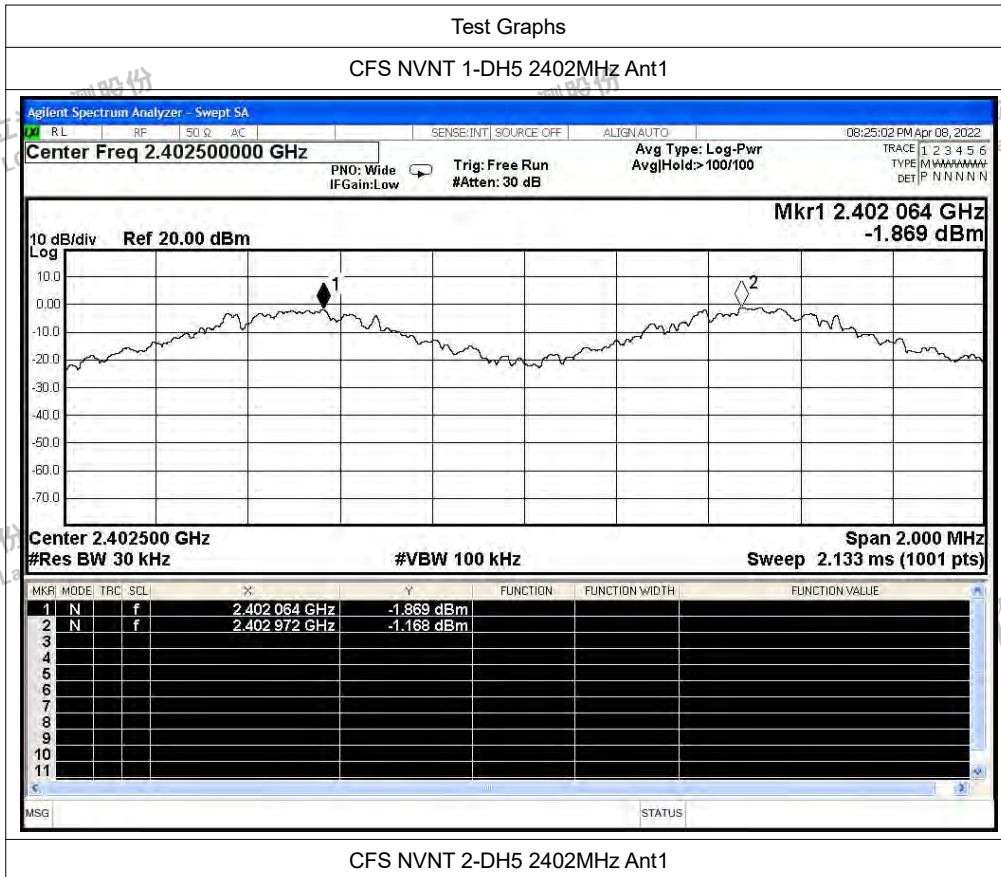
Power NVNT 3-DH5 2480MHz Ant1





A.4 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.064	2402.972	0.908	0.645	Pass
NVNT	2-DH5	Ant1	2402.02	2403.024	1.004	0.874	Pass
NVNT	3-DH5	Ant1	2402.164	2403.168	1.004	0.86	Pass





A.5 Dwell Time

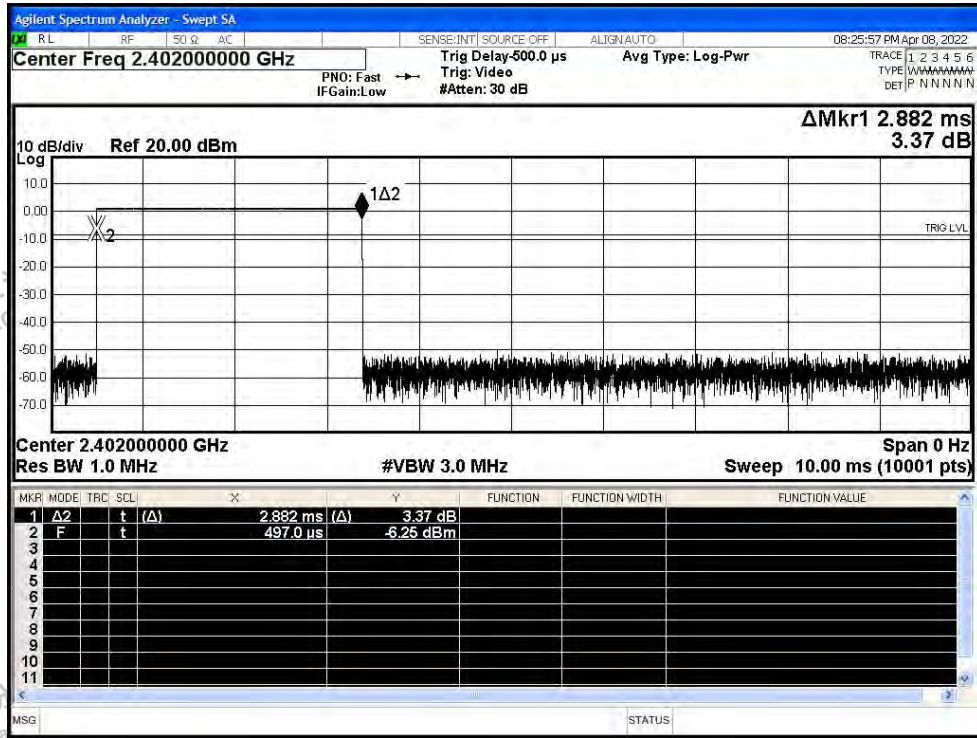
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.882	293.964	102	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.88	328.32	114	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.88	339.84	118	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.881	296.743	103	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.883	302.715	105	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.883	279.651	97	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.886	349.206	121	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.886	297.258	103	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.887	343.553	119	31600	400	Pass



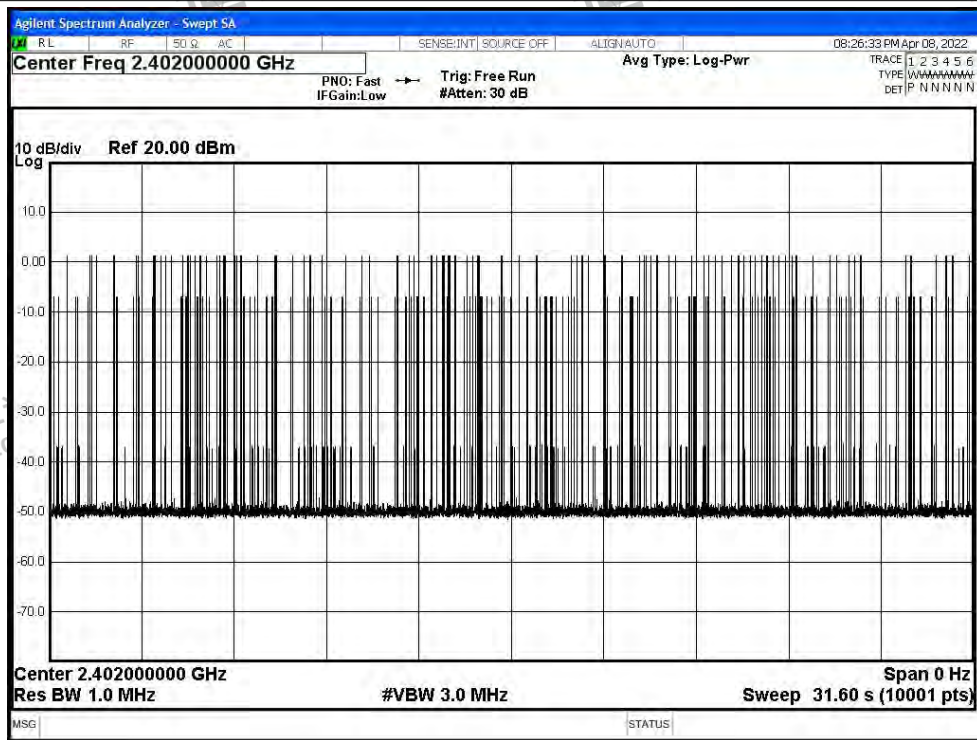
Shenzhen LCS Compliance Testing Laboratory Ltd.
 Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
 Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
 Scan code to check authenticity

Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

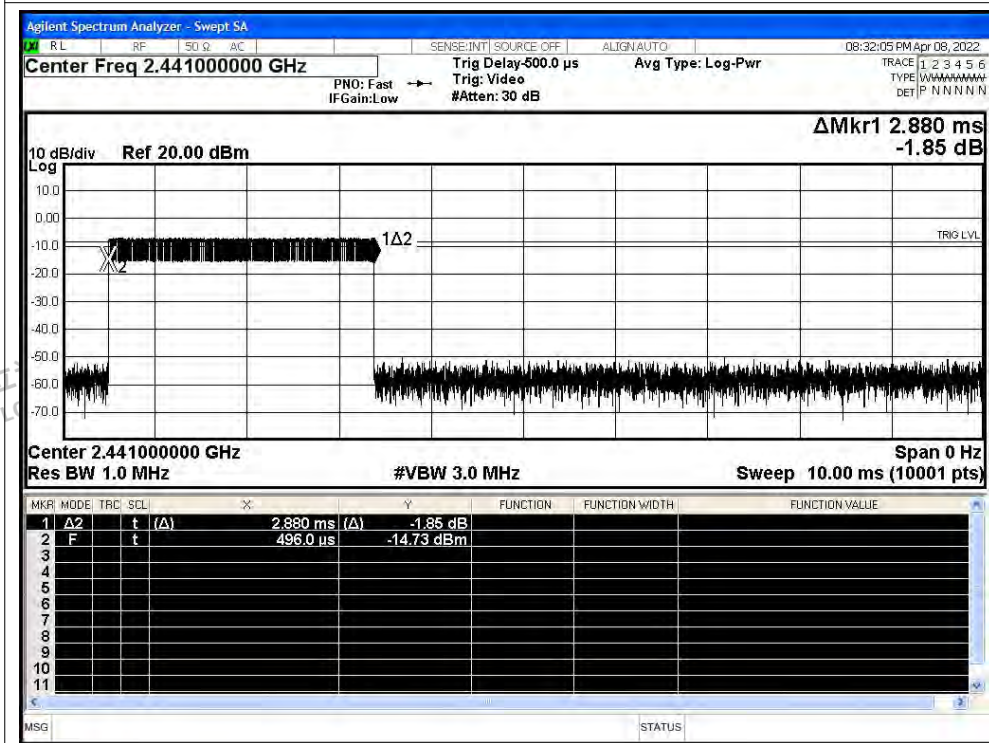


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

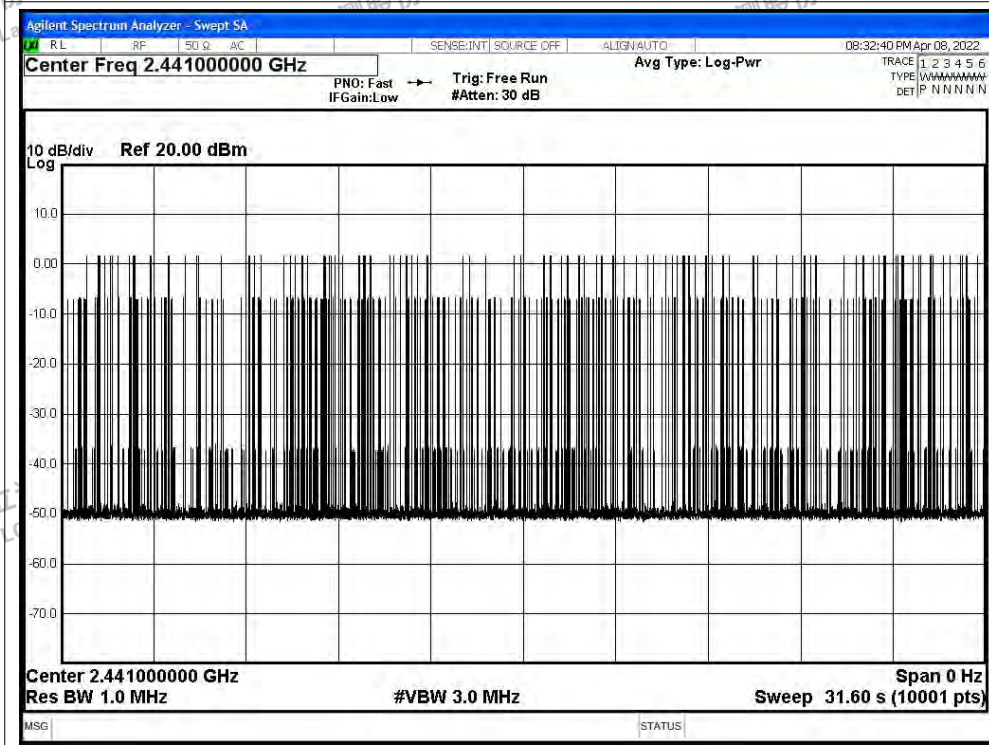




Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

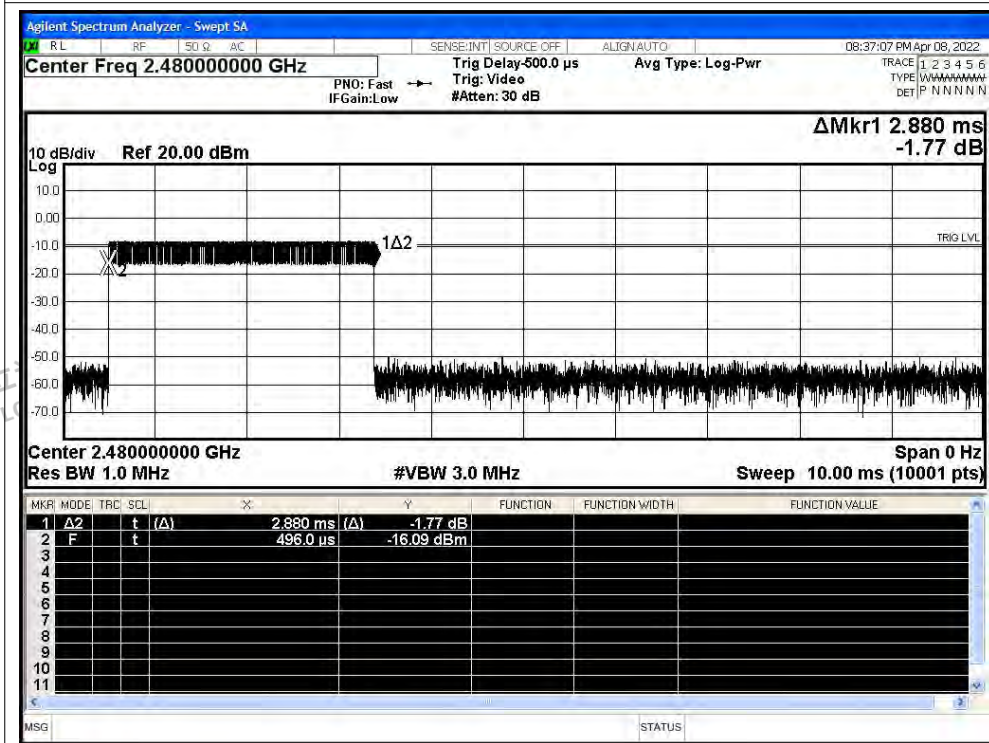


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

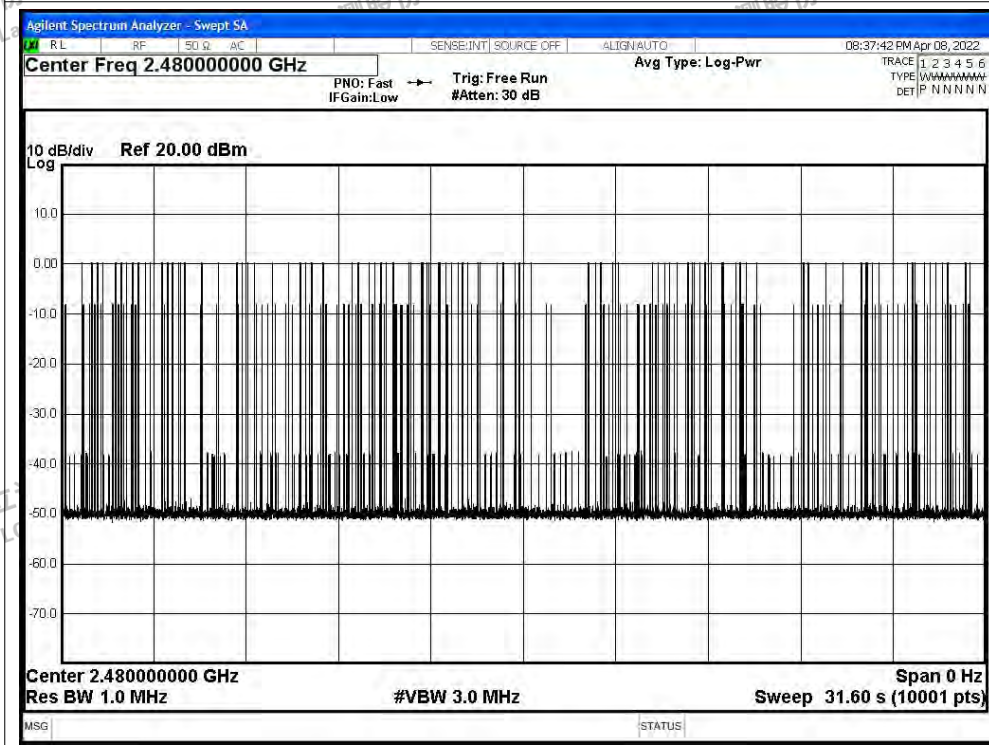




Dwell NVNT 1-DH5 2480MHz Ant1 One Burst

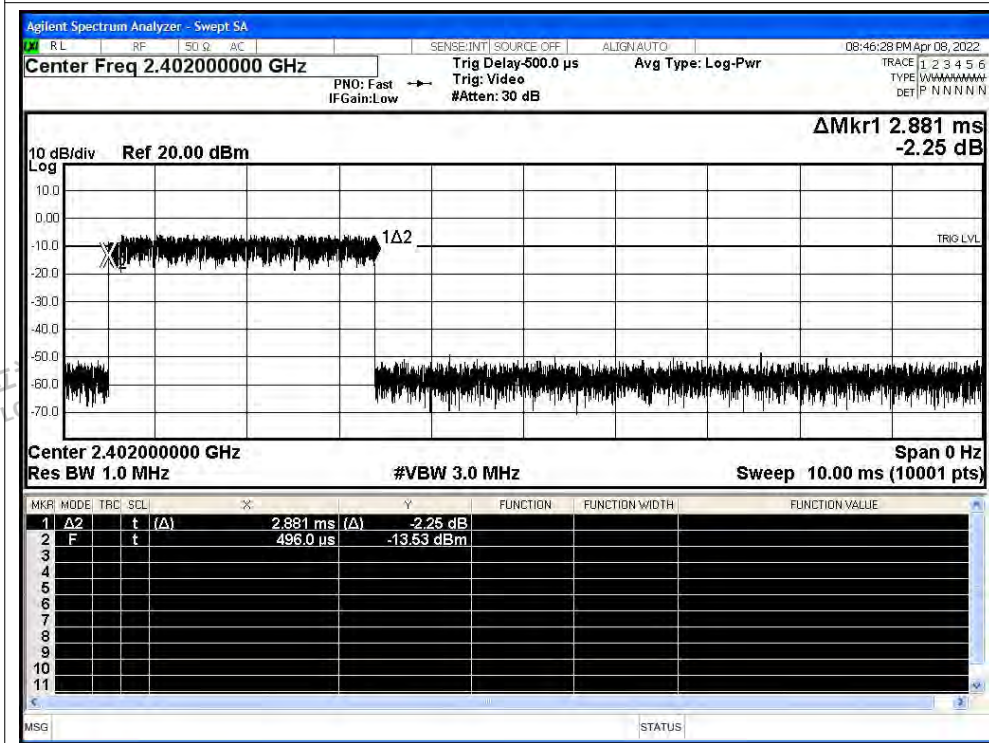


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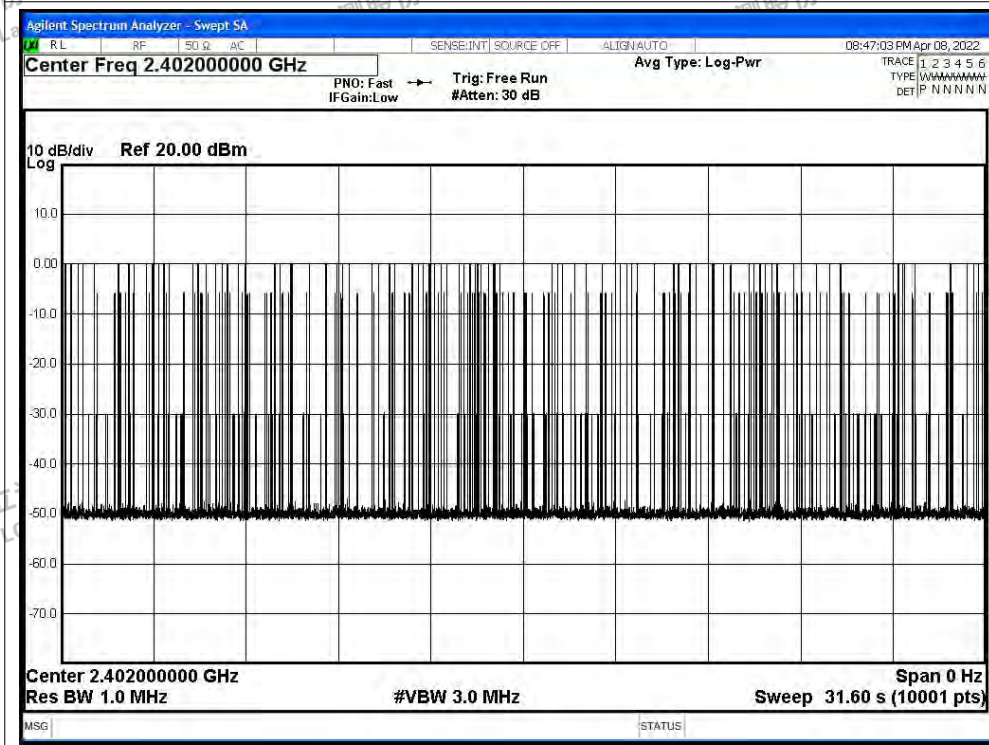




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

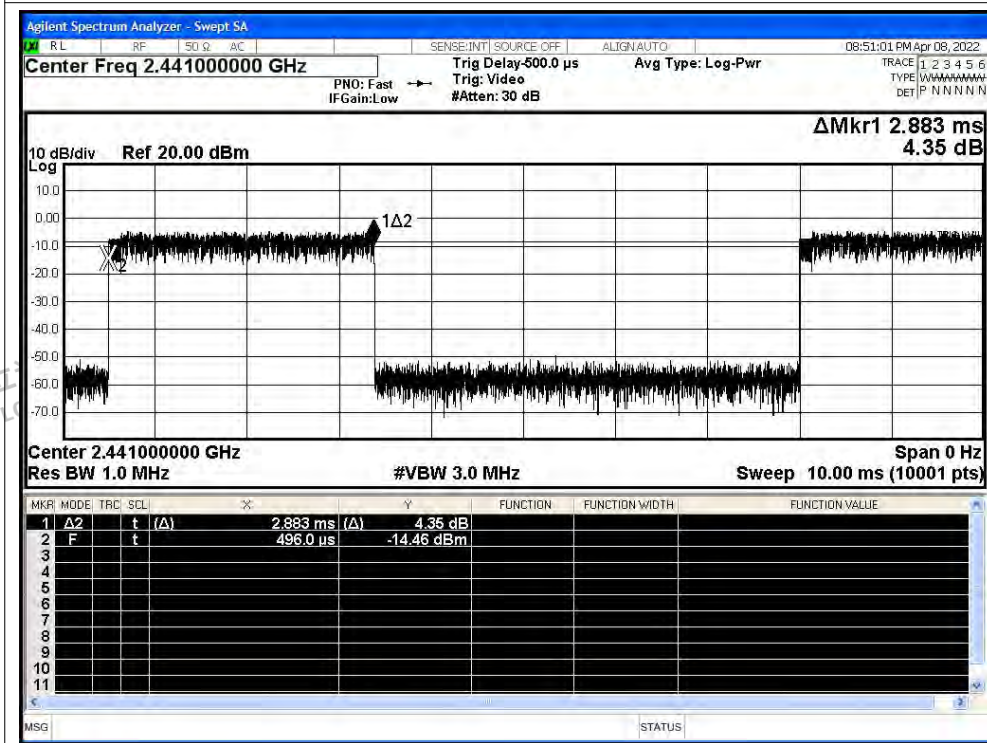


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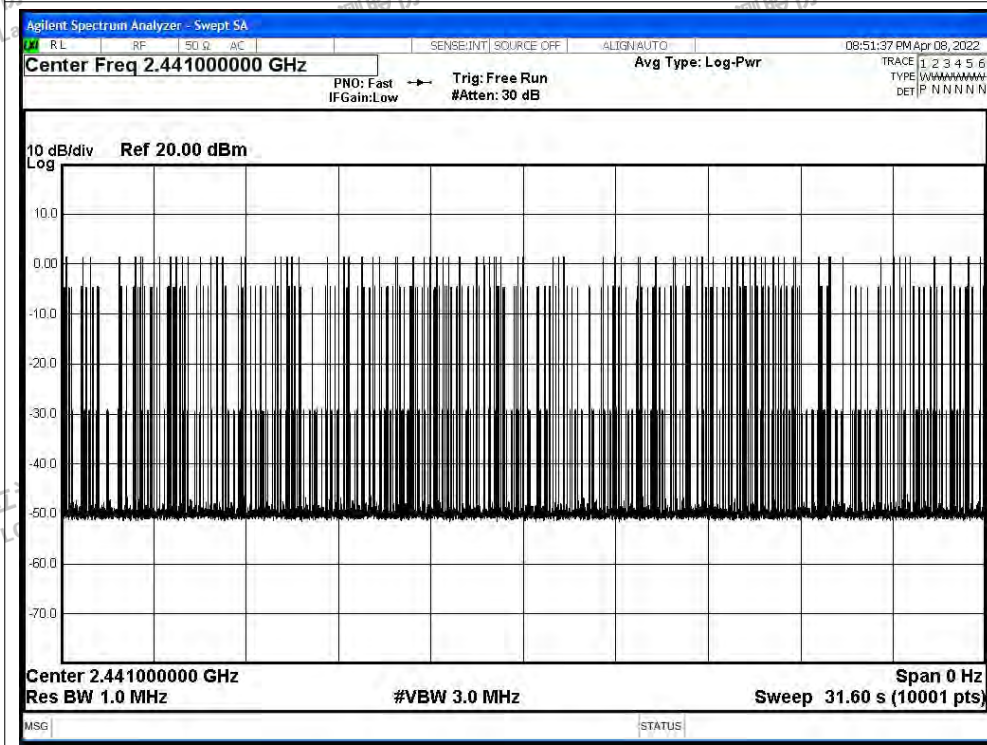




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

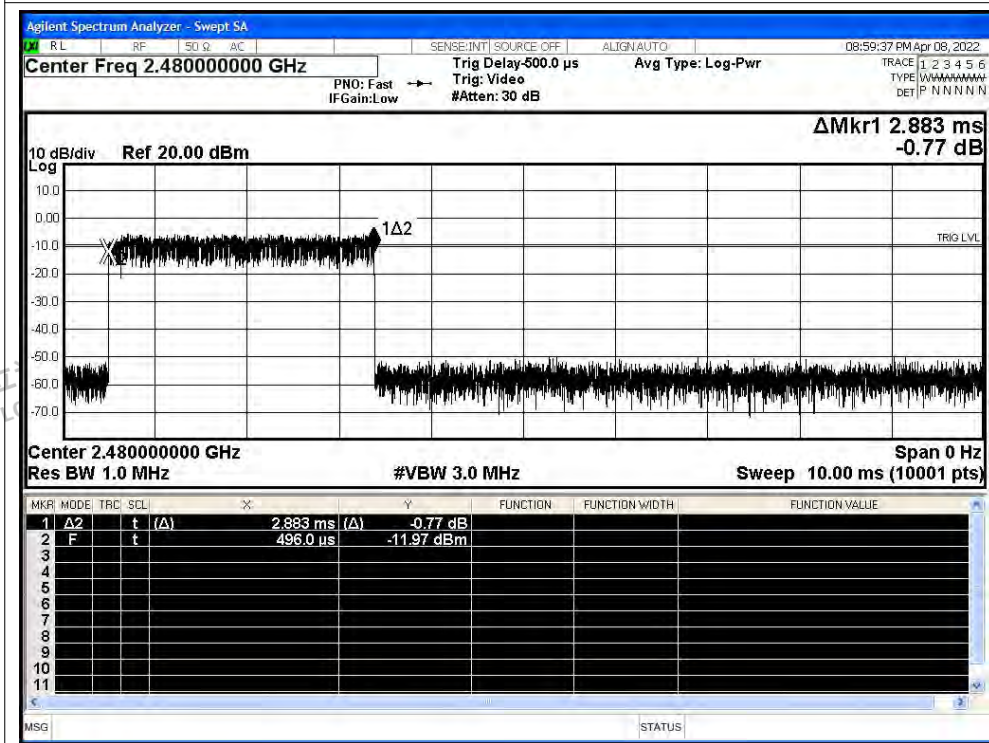


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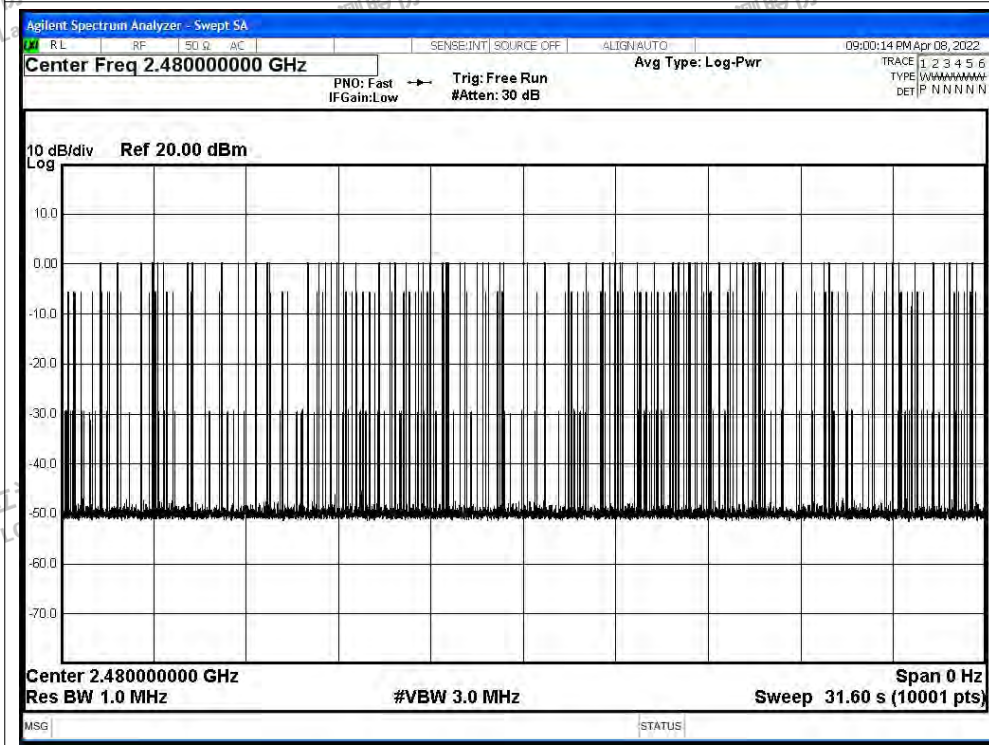




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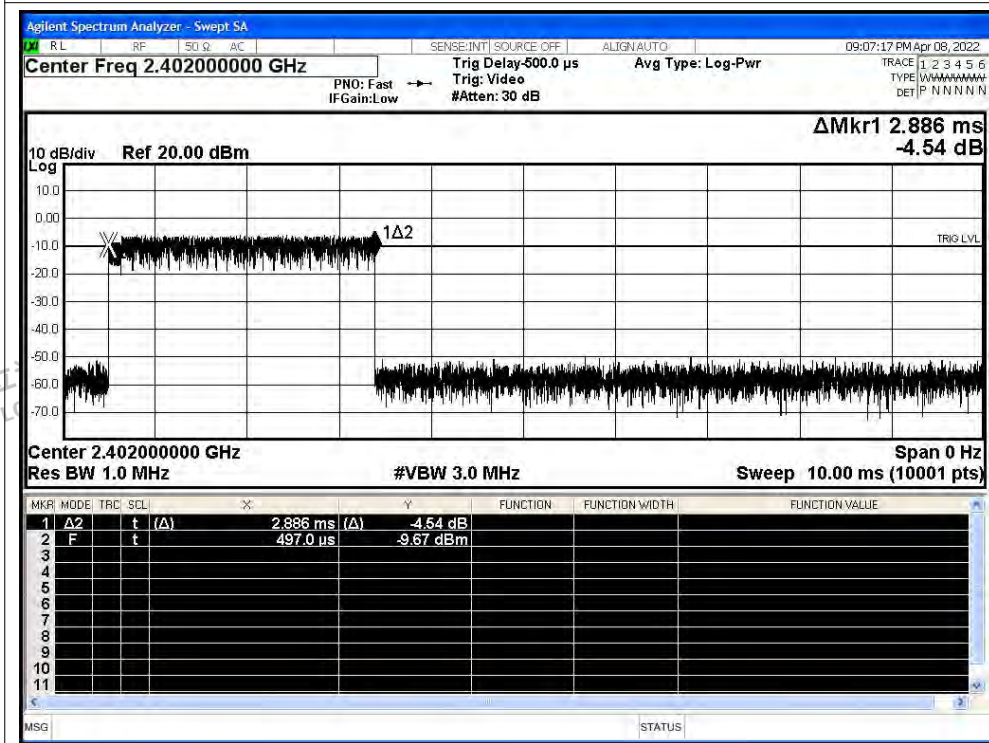


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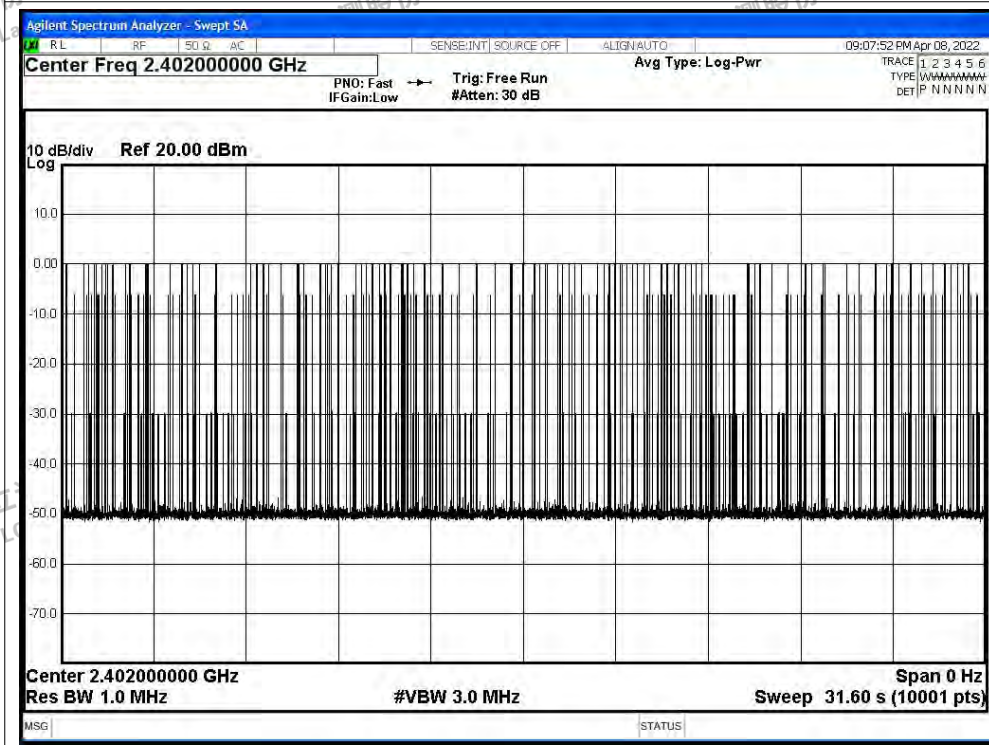




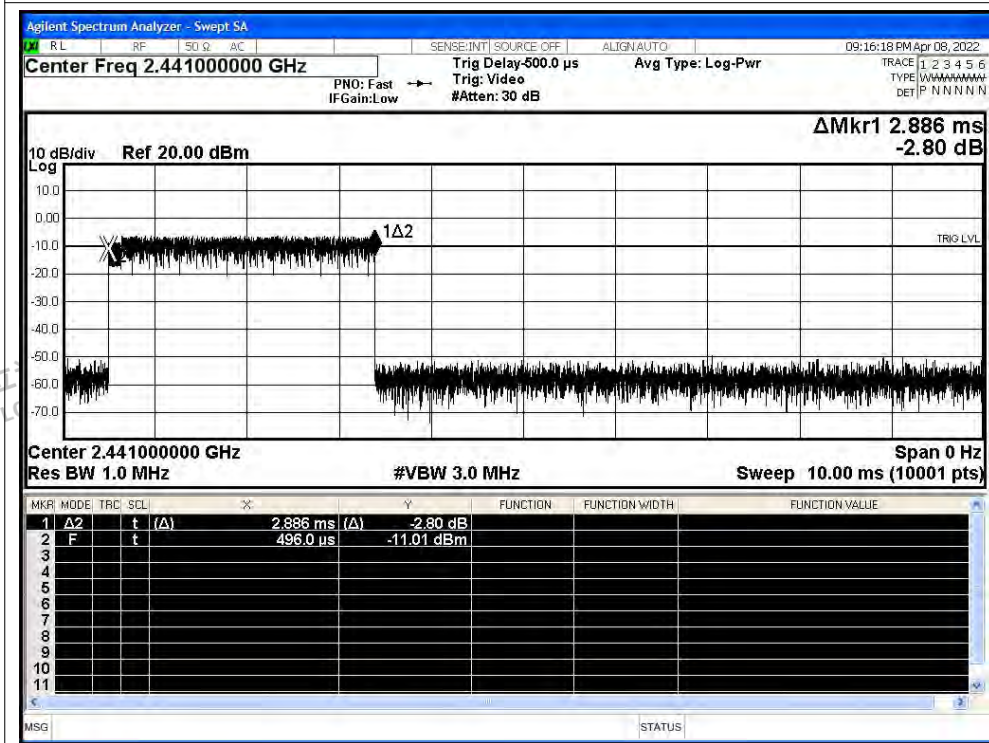
Dwell NVNT 3-DH5 2402MHz Ant1 One Burst



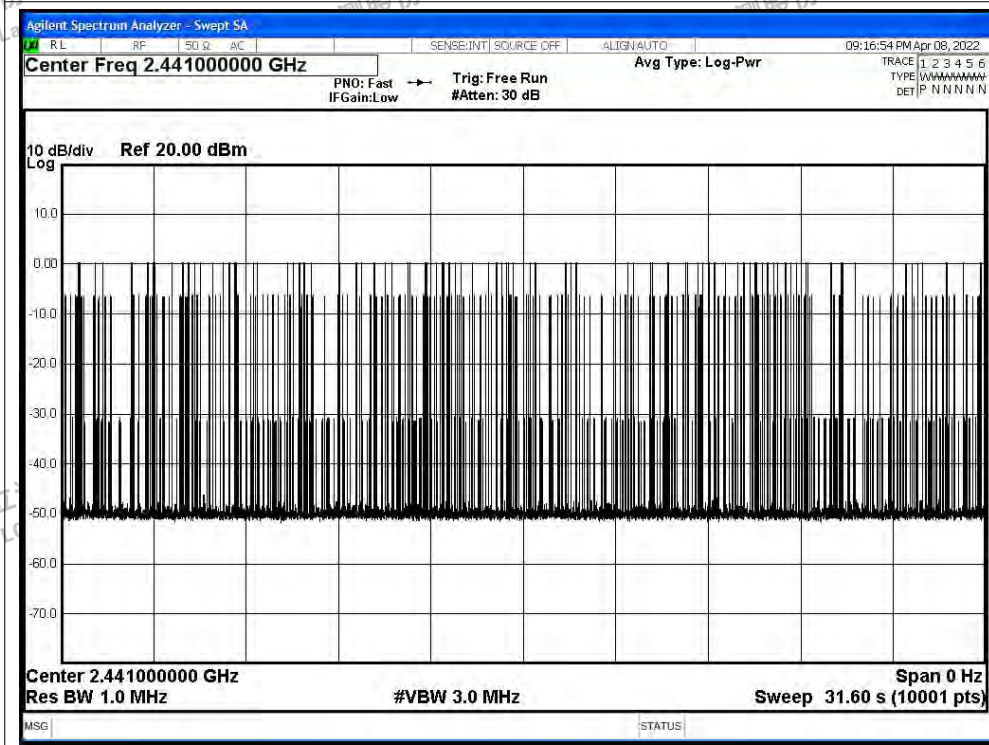
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

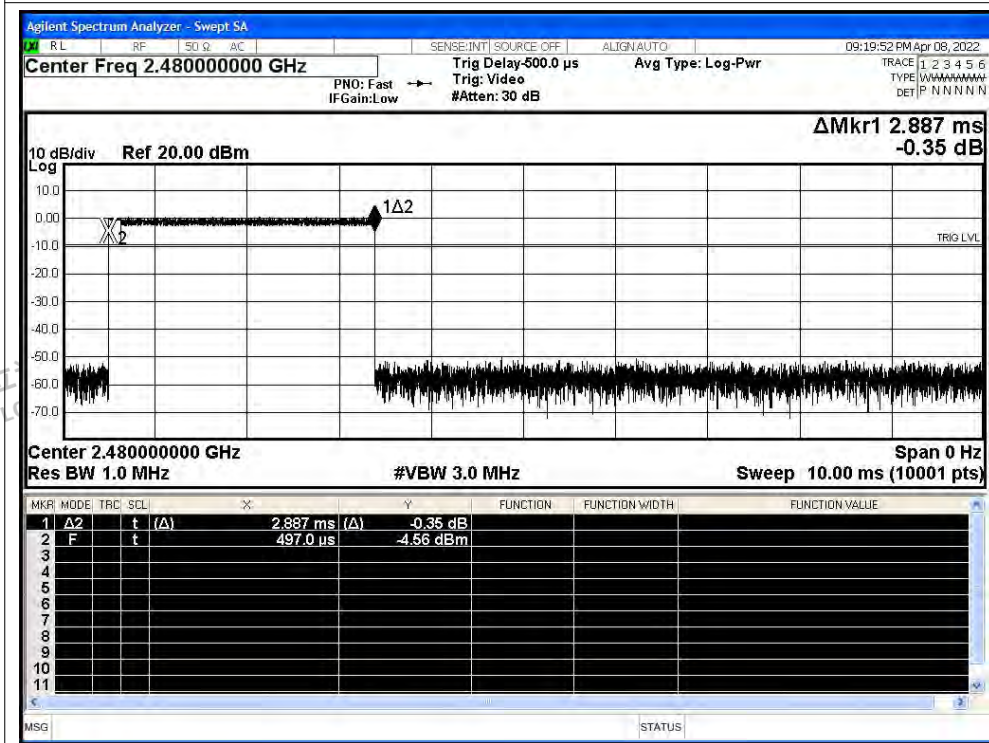


Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

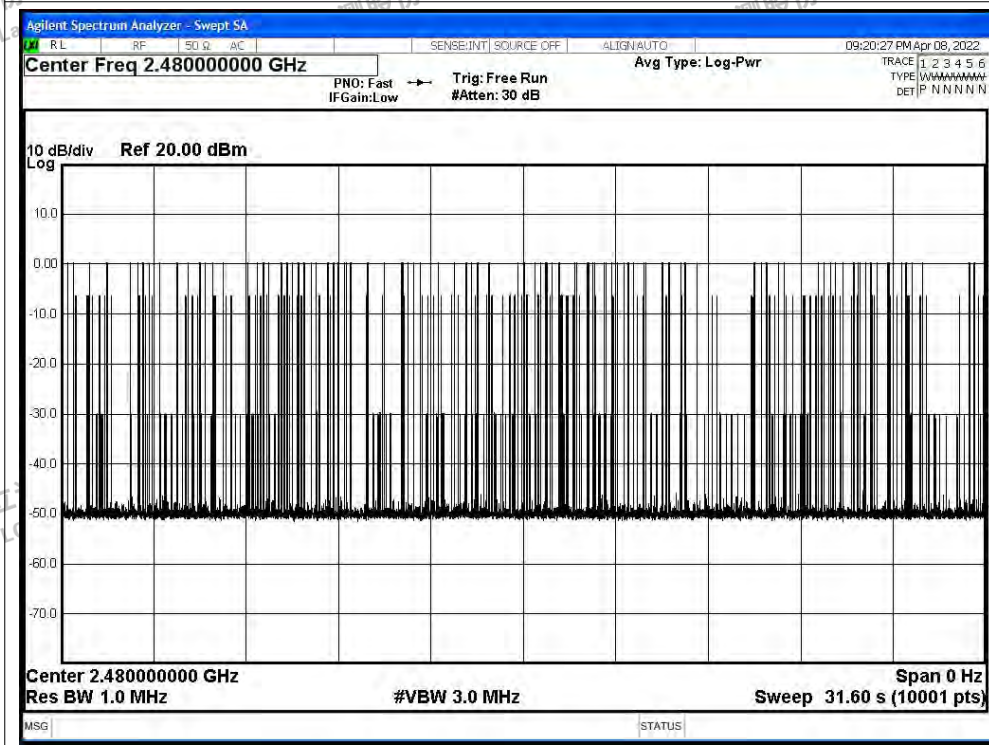




Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated





A.6 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



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

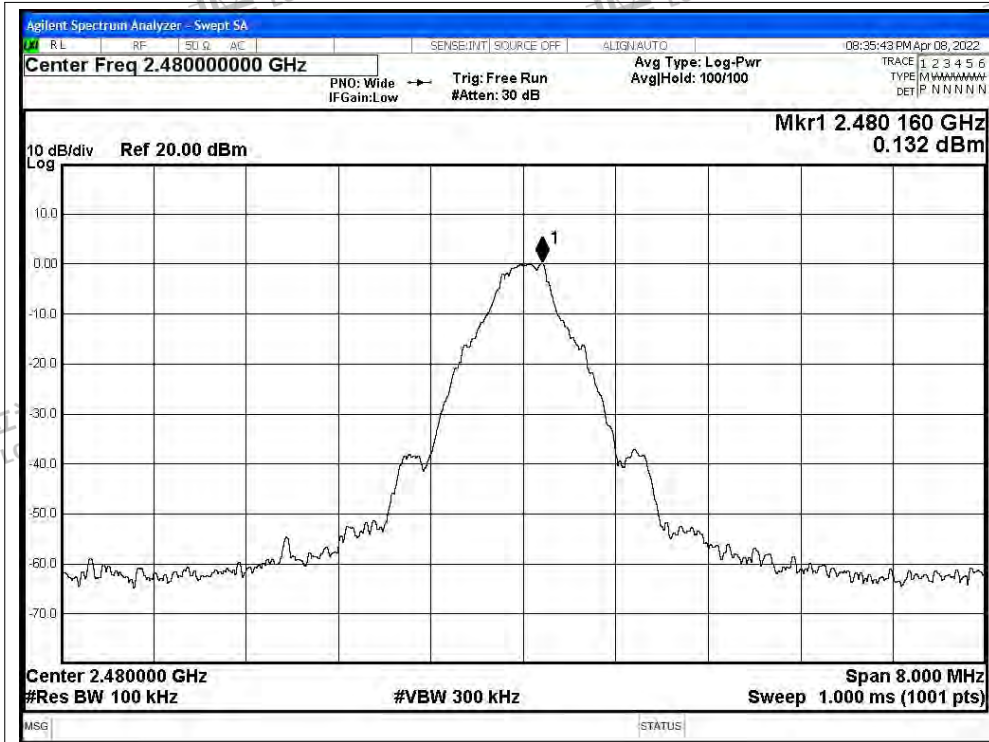




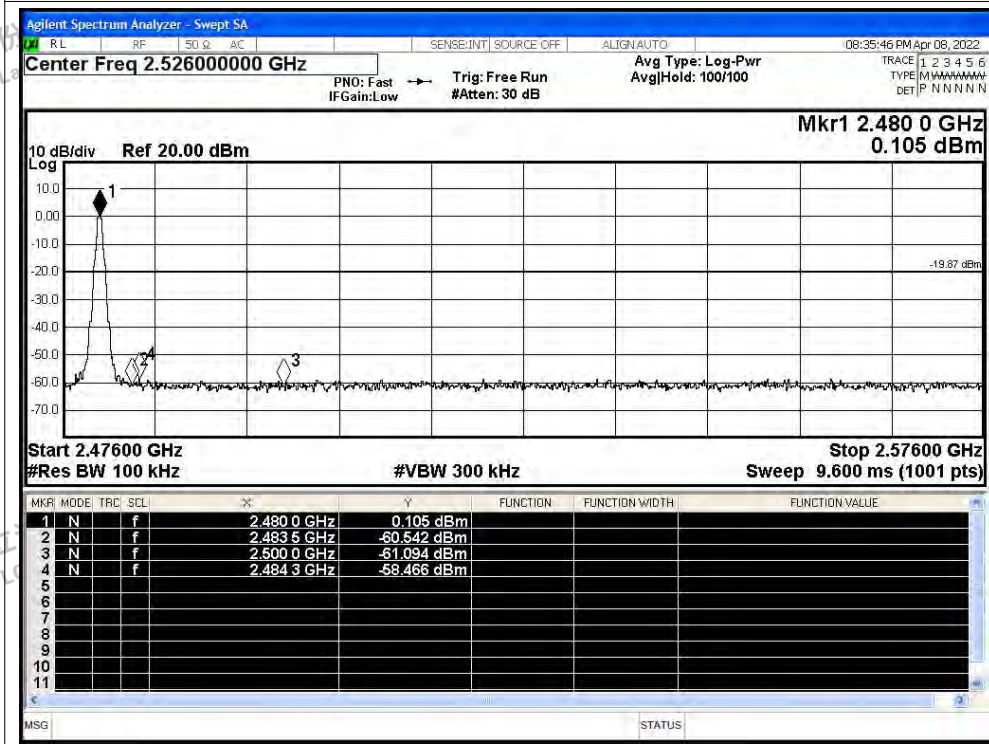
A.7 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-58.25	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.59	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.86	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.2	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-56.66	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.39	-20	Pass

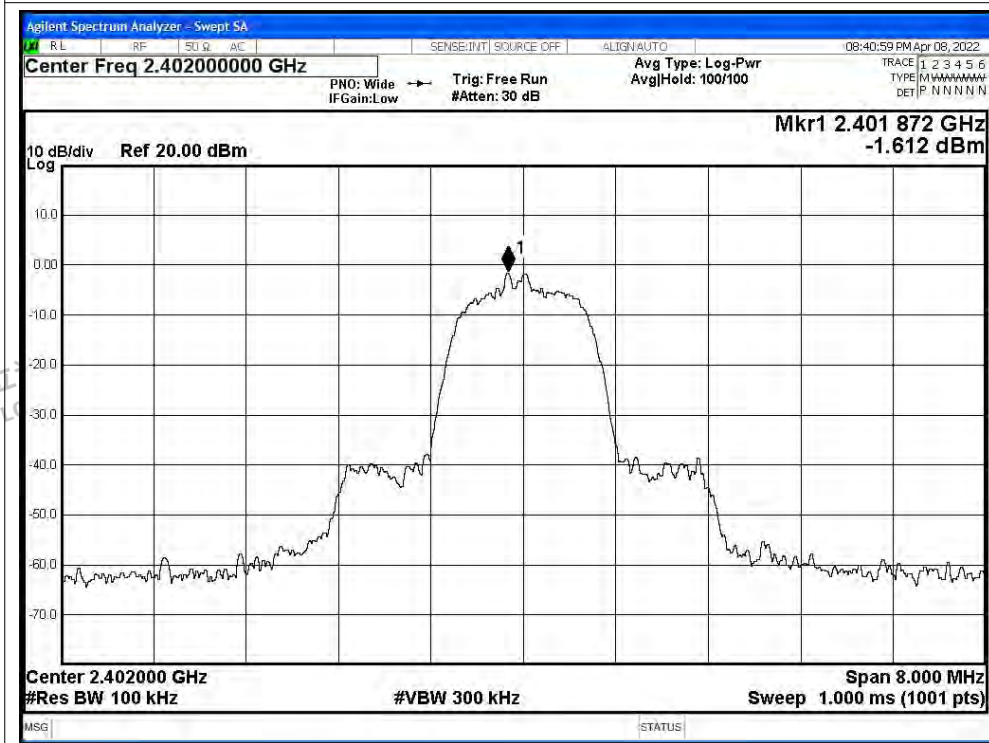




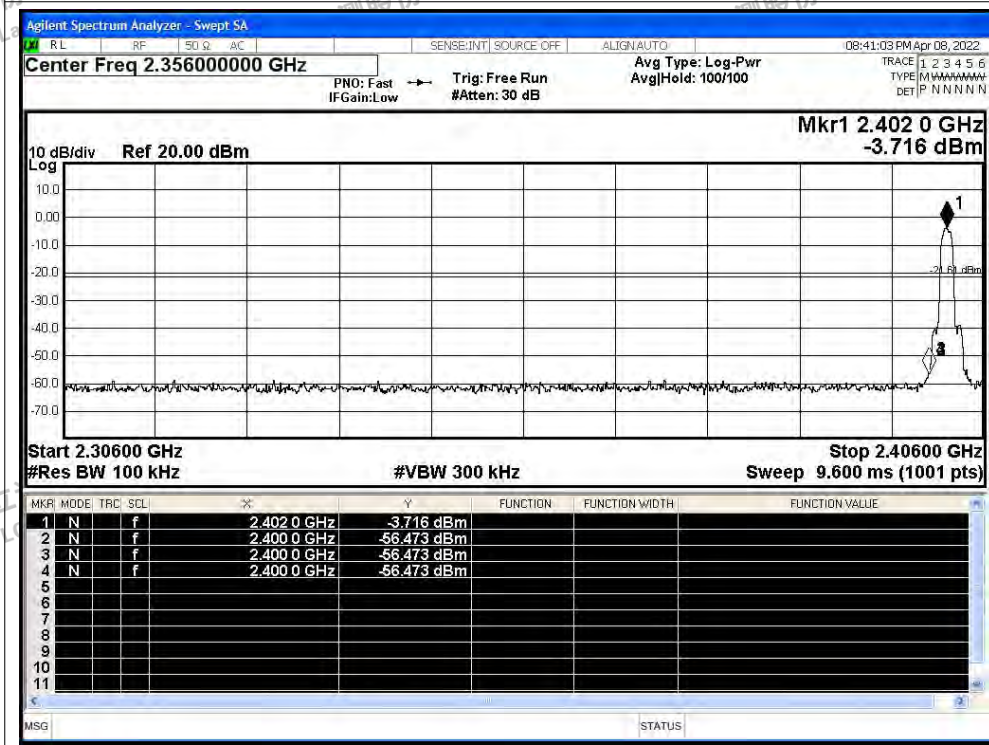
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



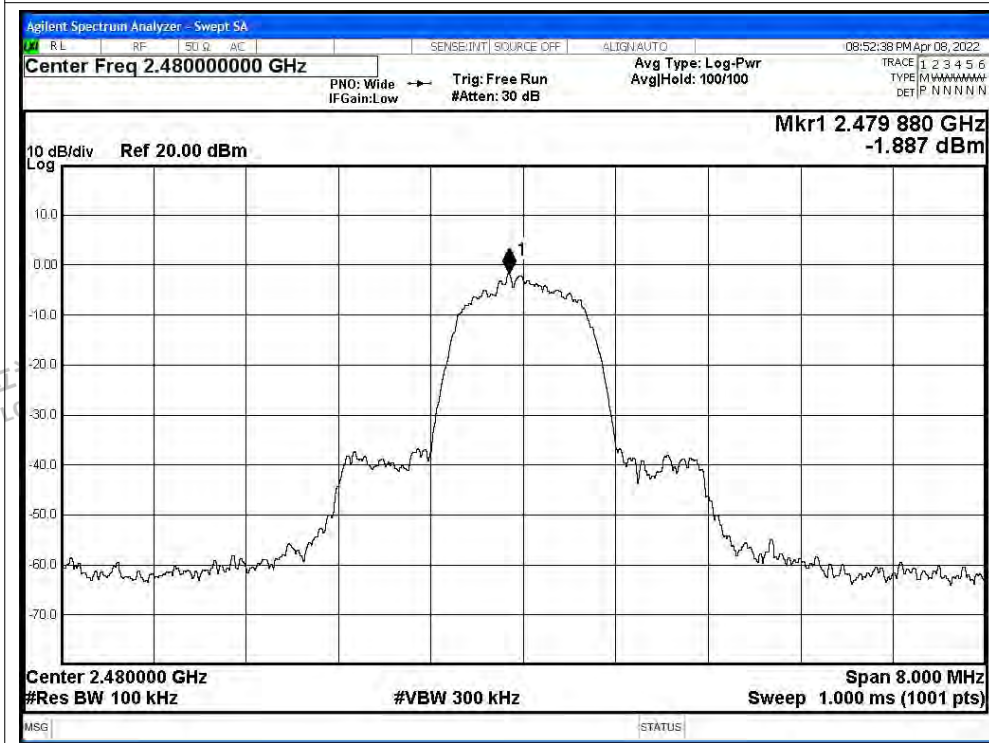
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



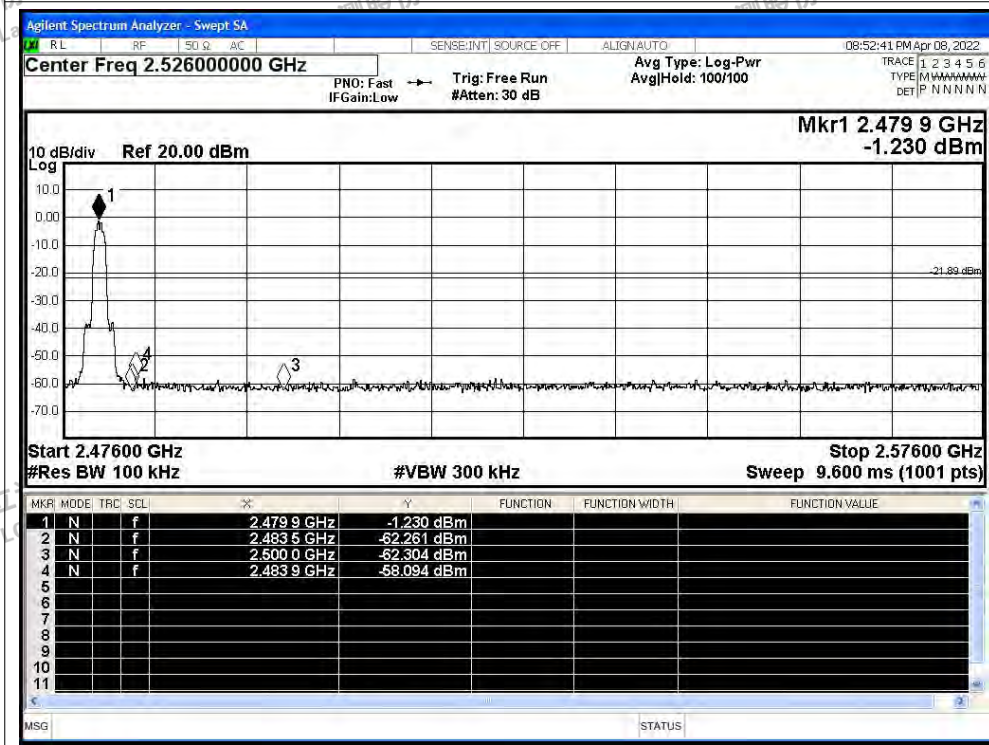
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



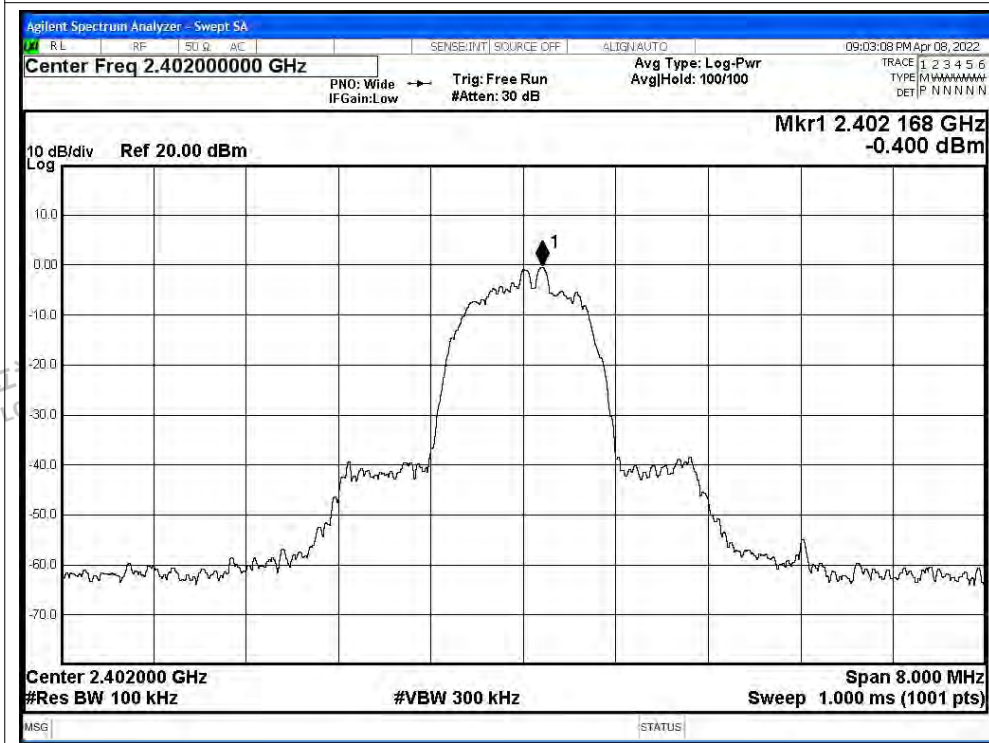
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



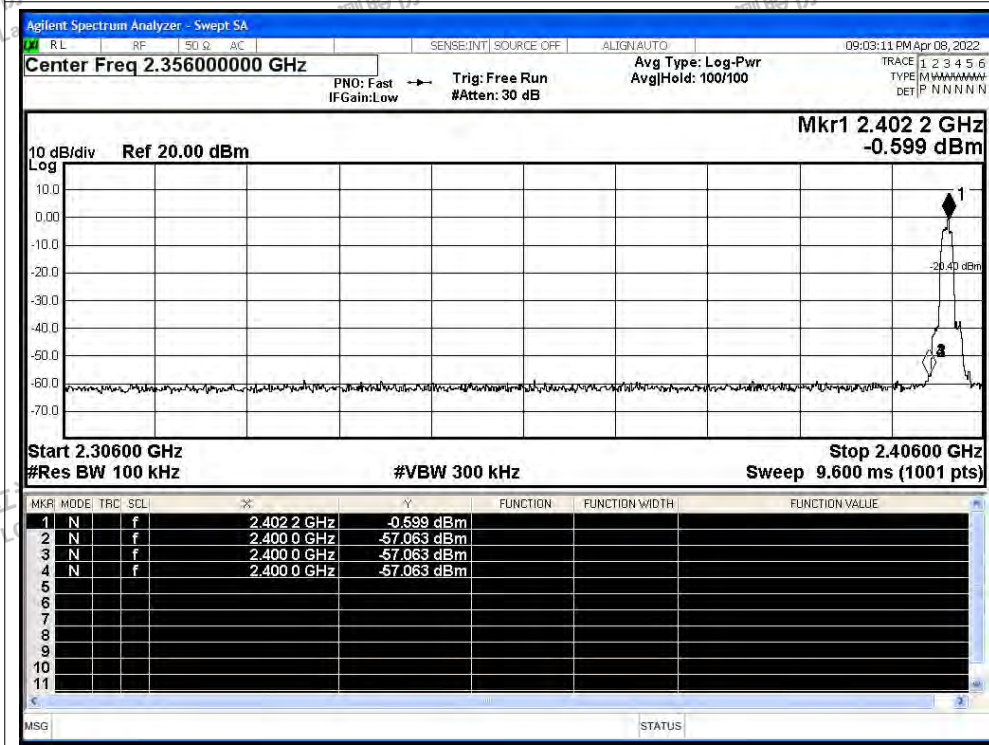
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



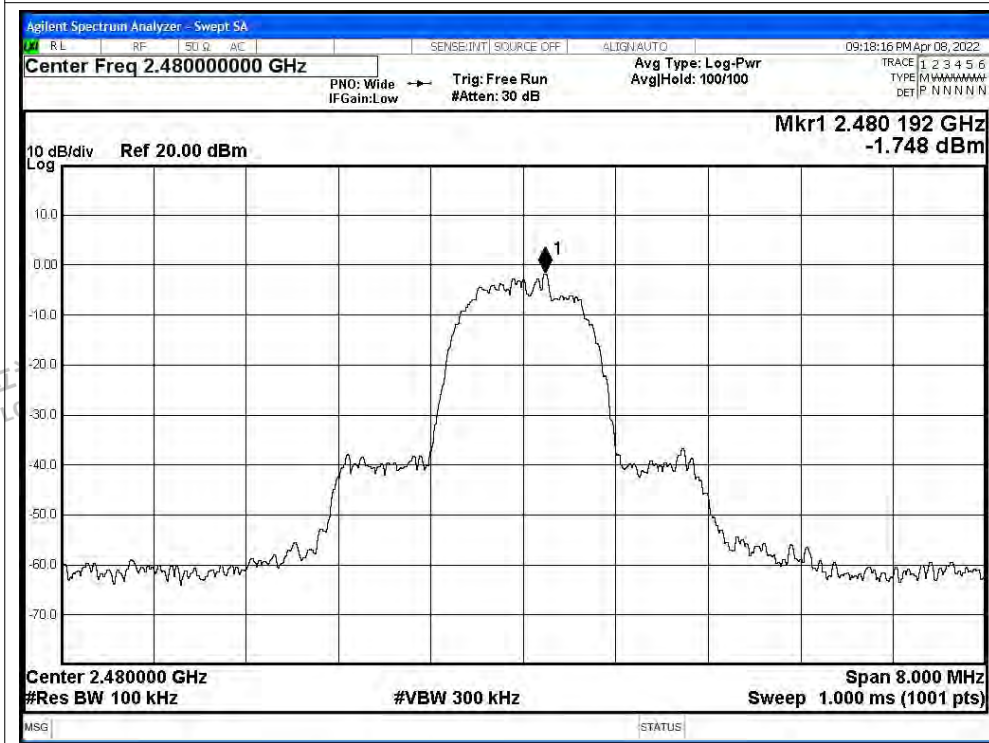
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



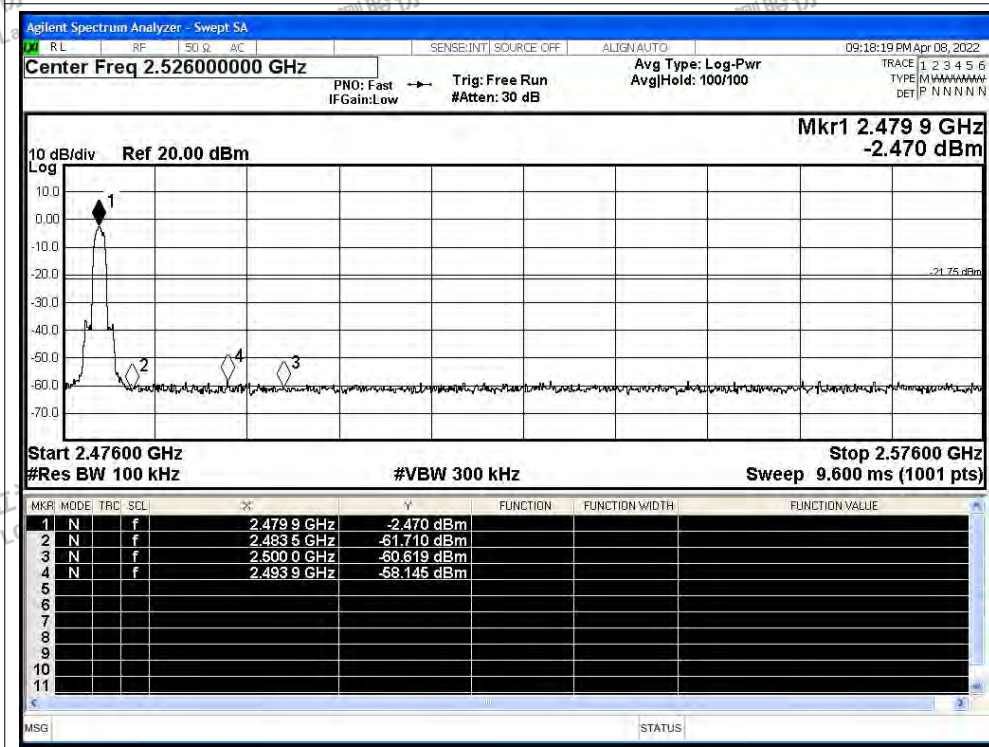
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



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



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





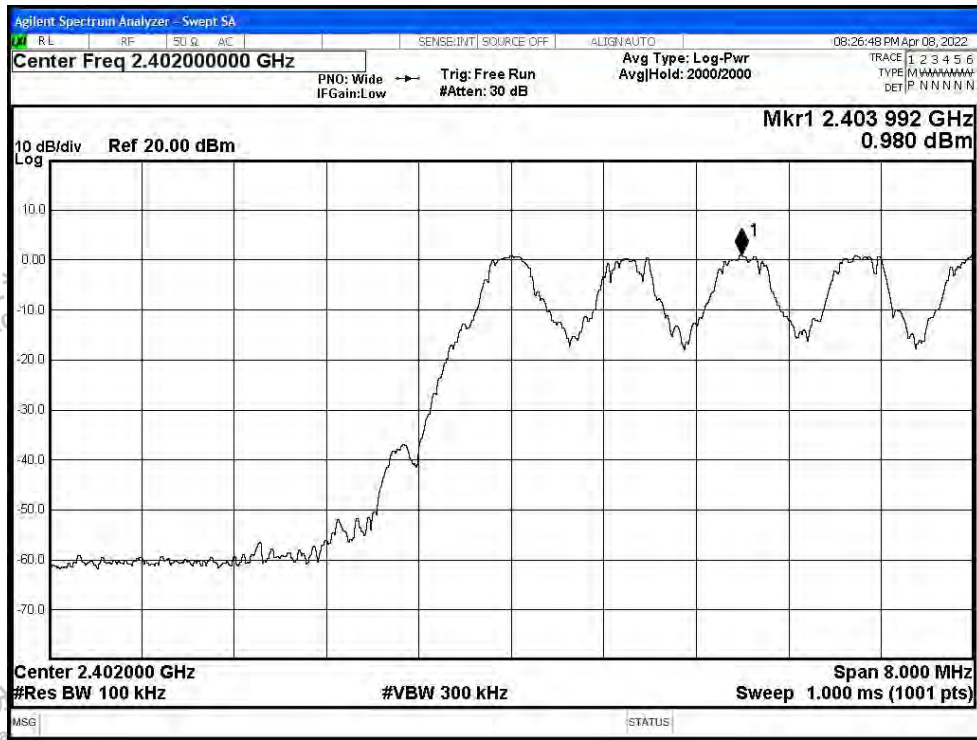
(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-59	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-57.8	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-57.94	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-57.62	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.84	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.23	-20	Pass

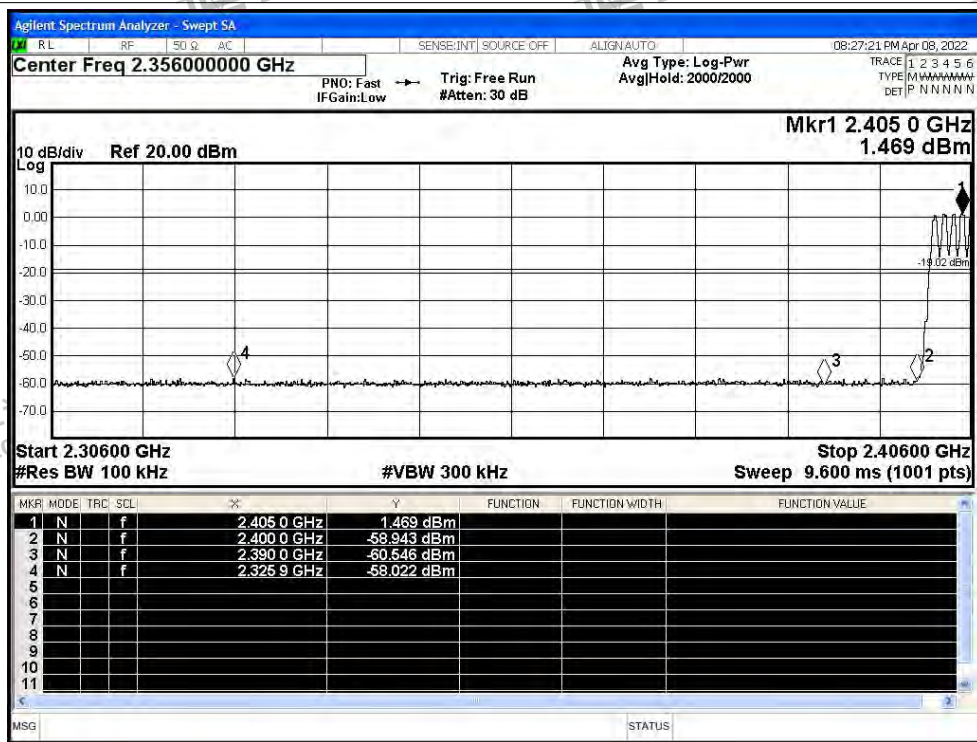


Test Graphs

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

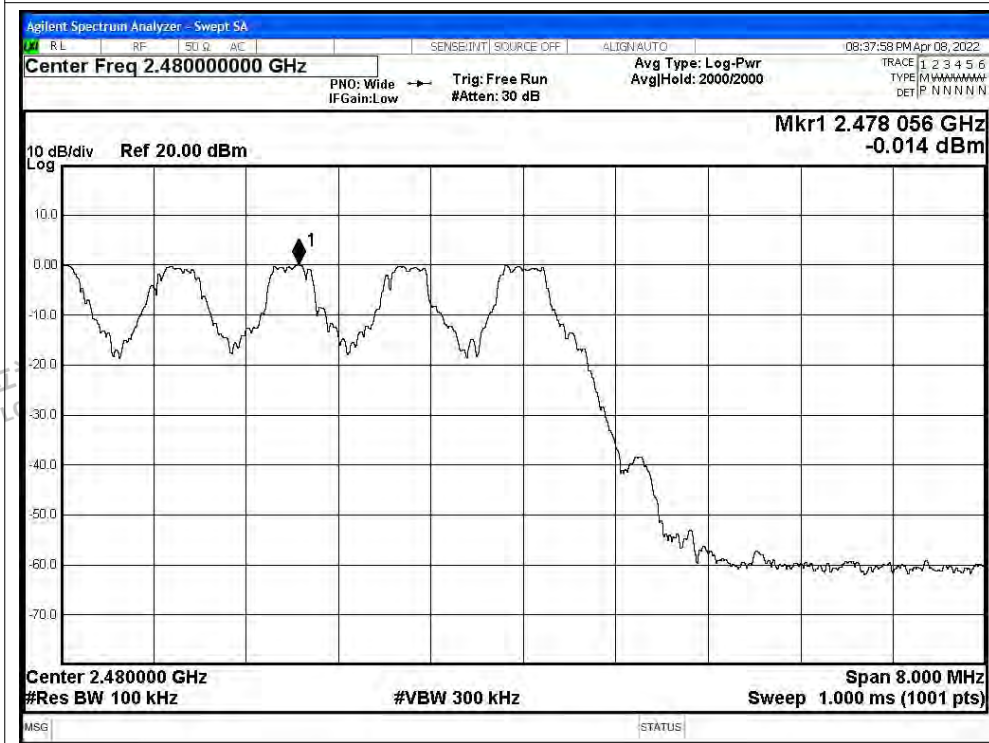


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

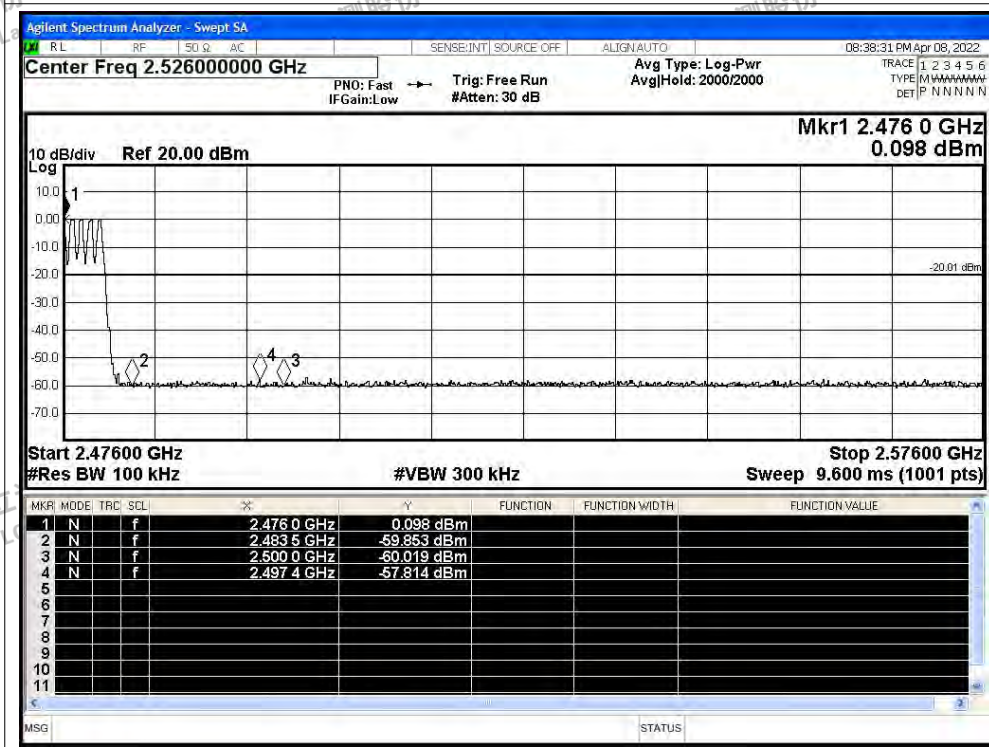




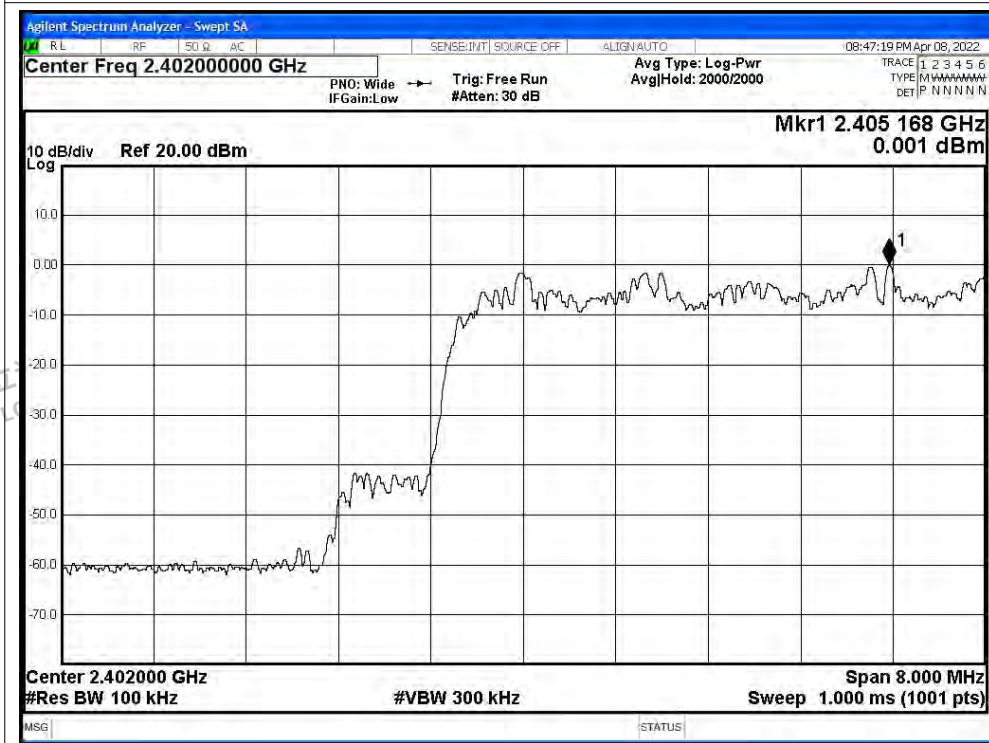
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



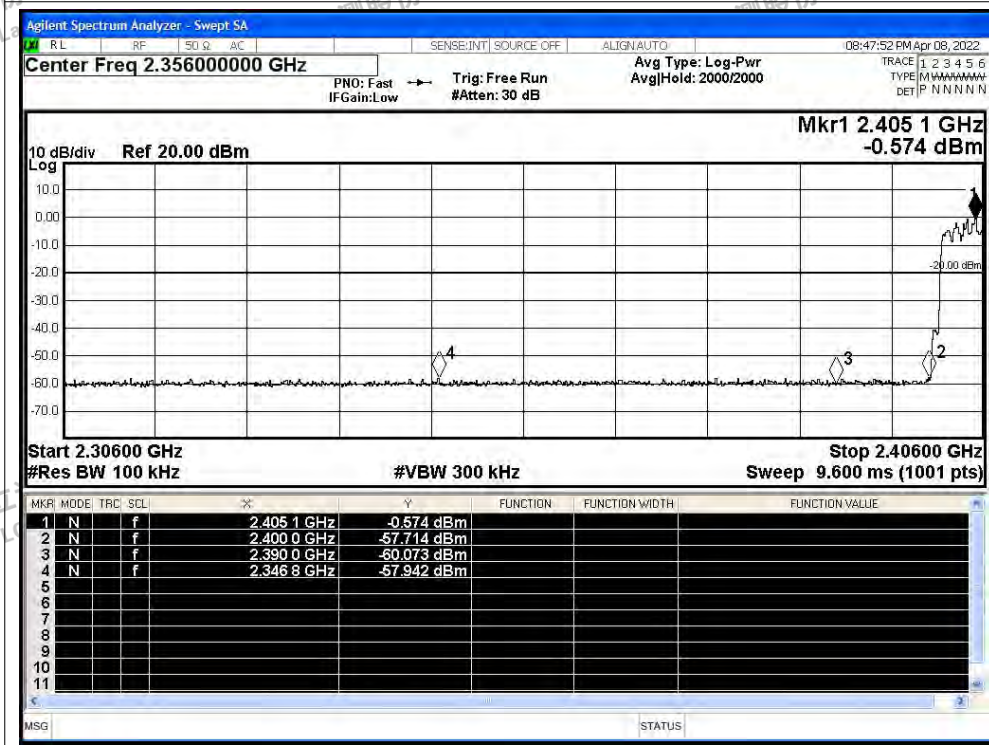
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission



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

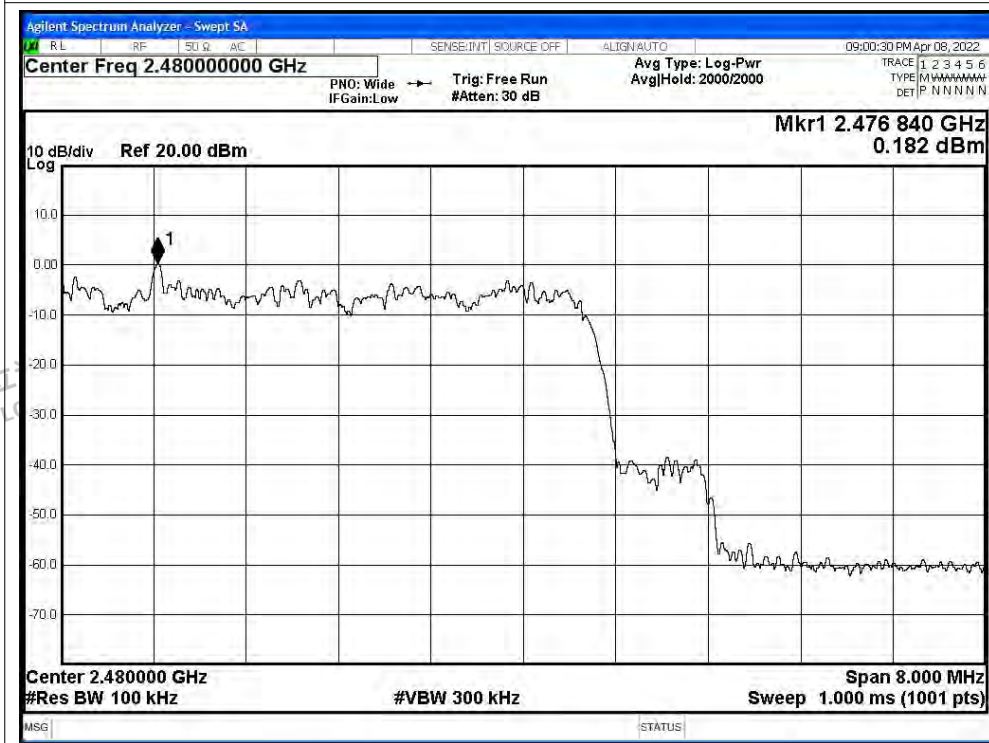


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

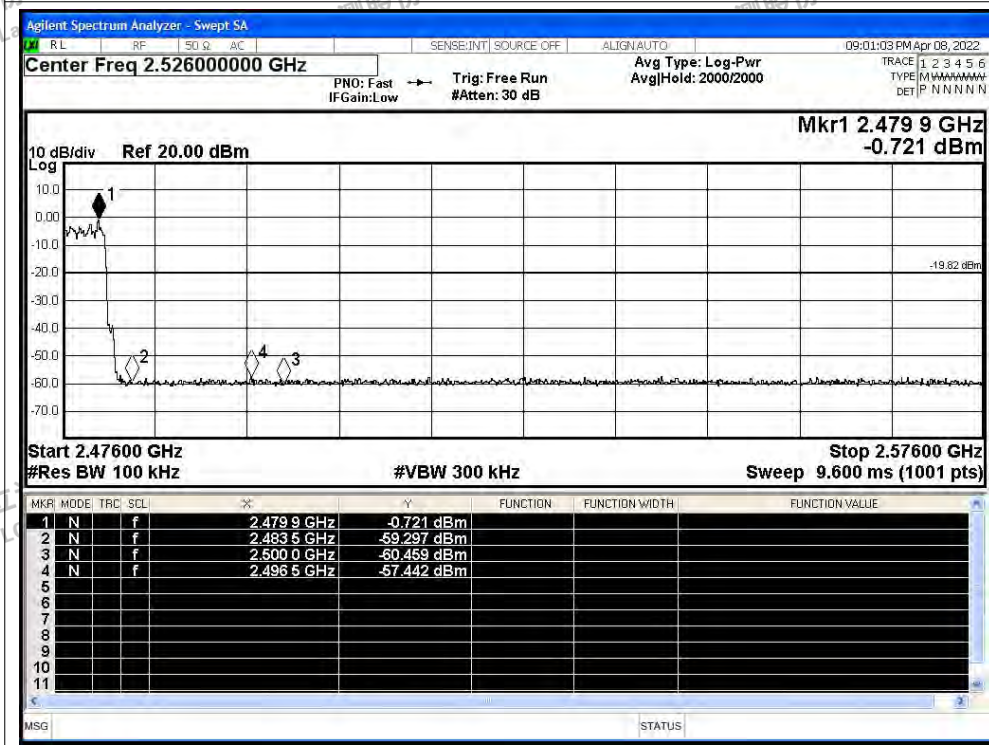




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

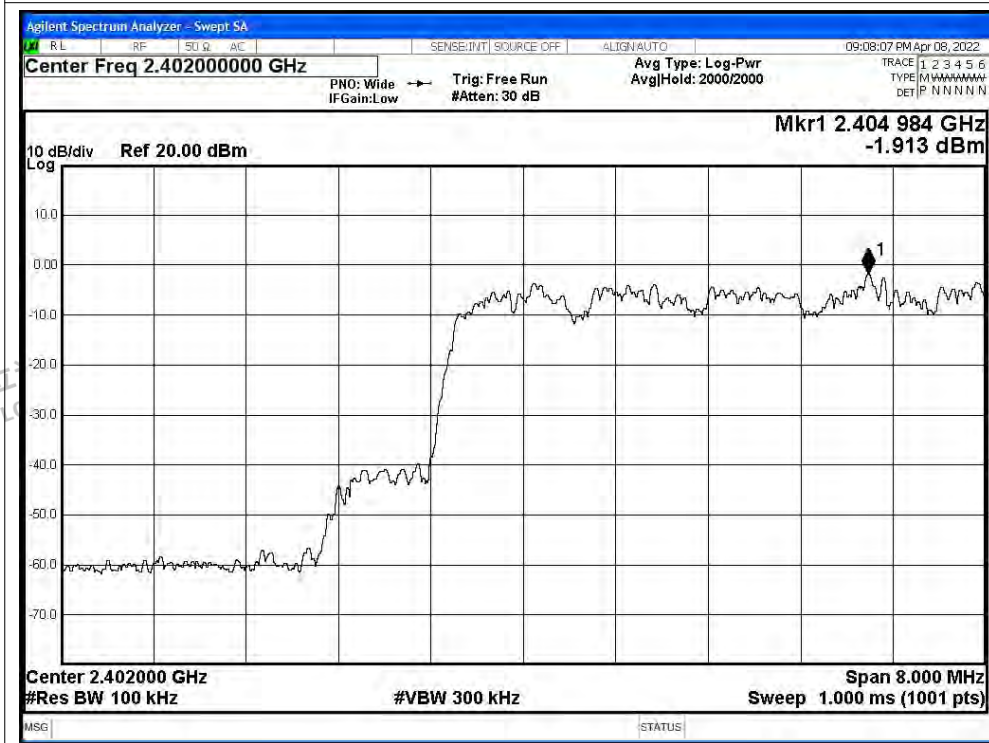


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

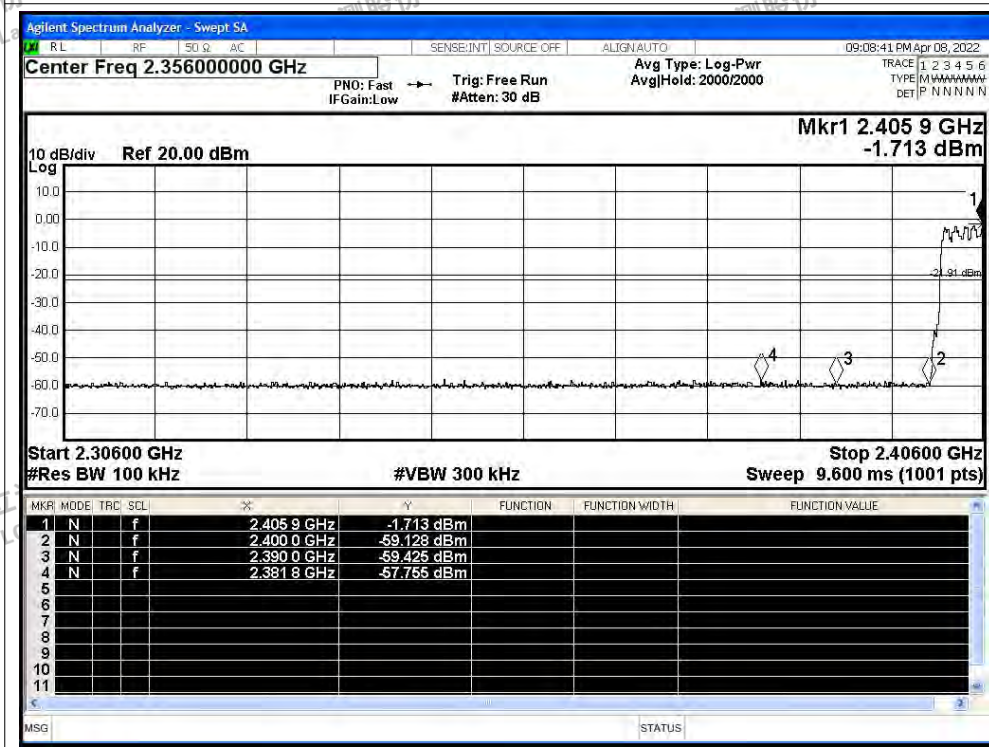




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

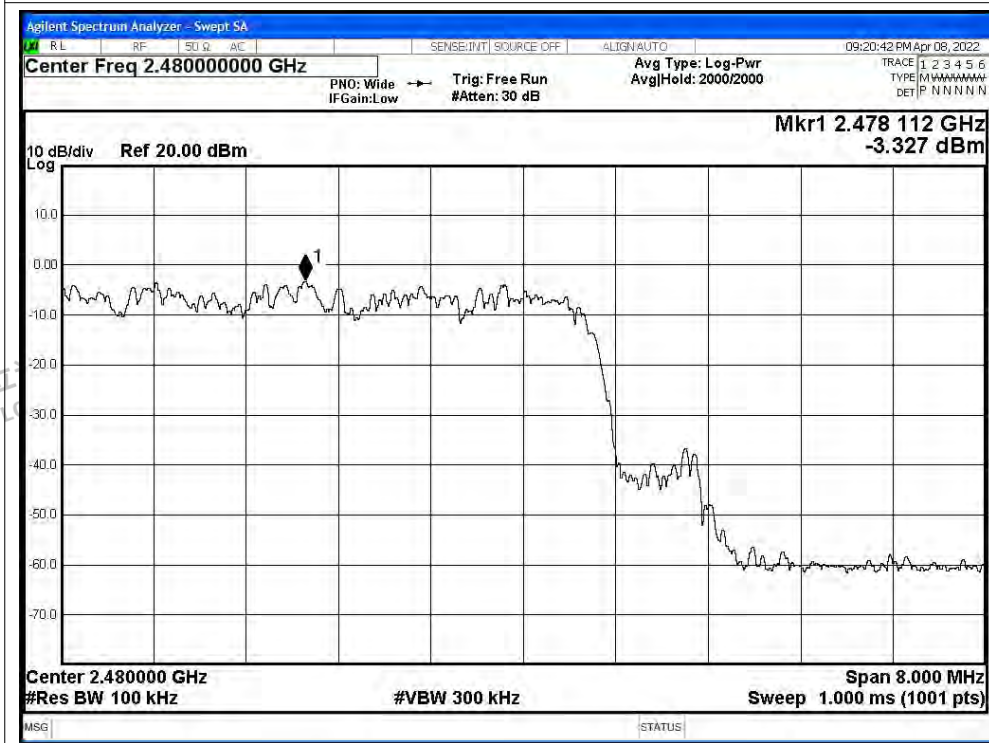


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

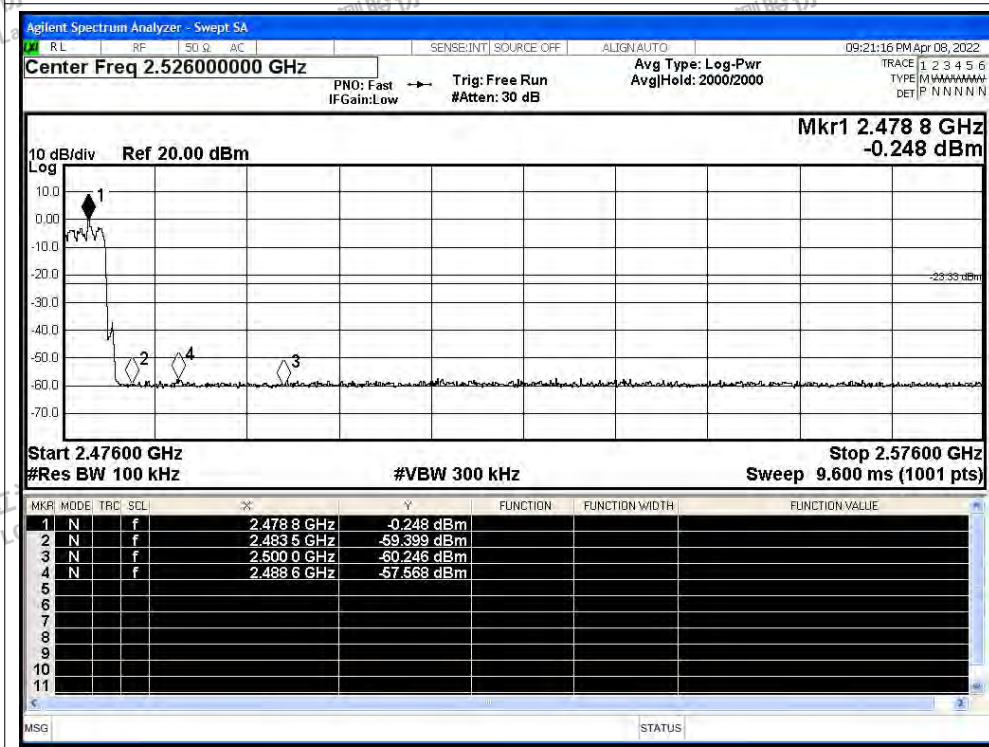




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



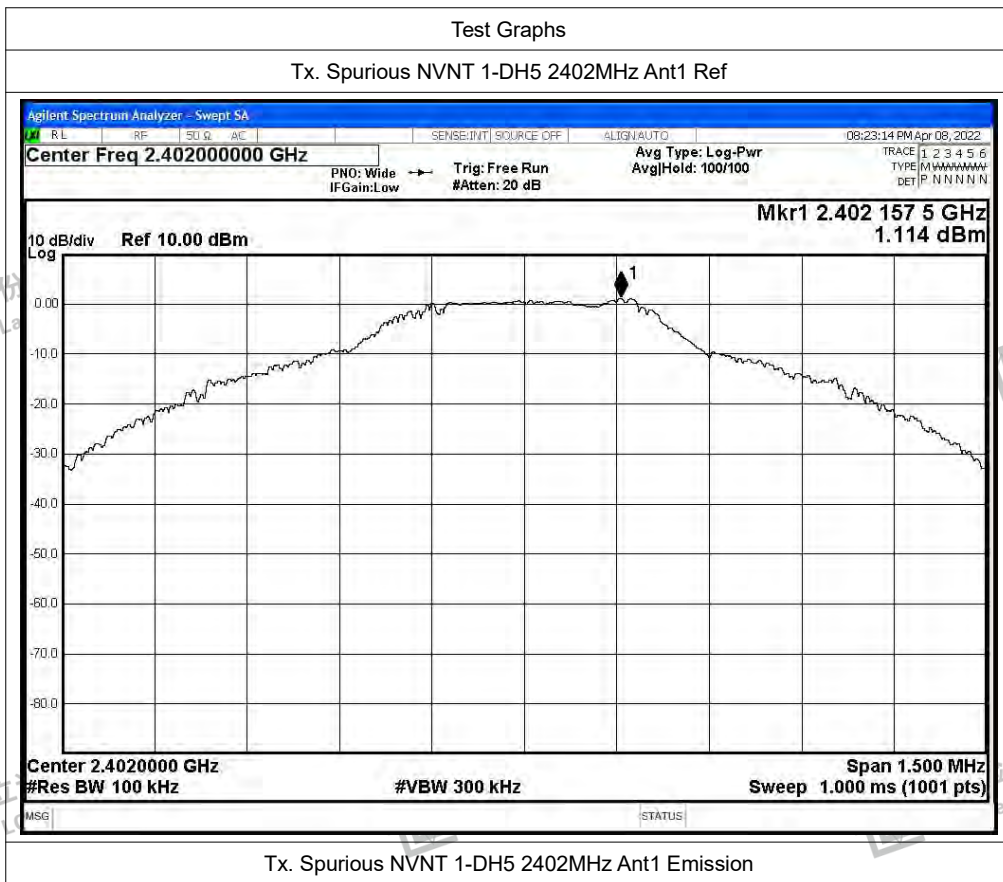
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission





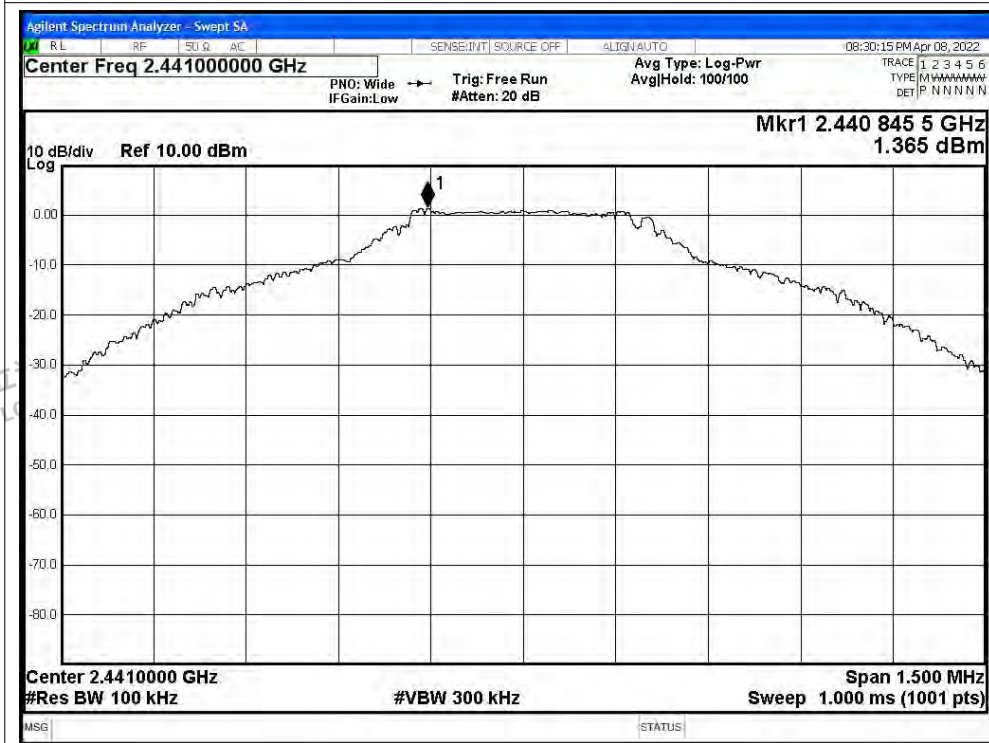
A.8 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-59.01	-20	Pass
NVNT	1-DH5	2441	Ant1	-58.16	-20	Pass
NVNT	1-DH5	2480	Ant1	-57.66	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.78	-20	Pass
NVNT	2-DH5	2441	Ant1	-46.08	-20	Pass
NVNT	2-DH5	2480	Ant1	-57.06	-20	Pass
NVNT	3-DH5	2402	Ant1	-56.46	-20	Pass
NVNT	3-DH5	2441	Ant1	-57.06	-20	Pass
NVNT	3-DH5	2480	Ant1	-57.56	-20	Pass

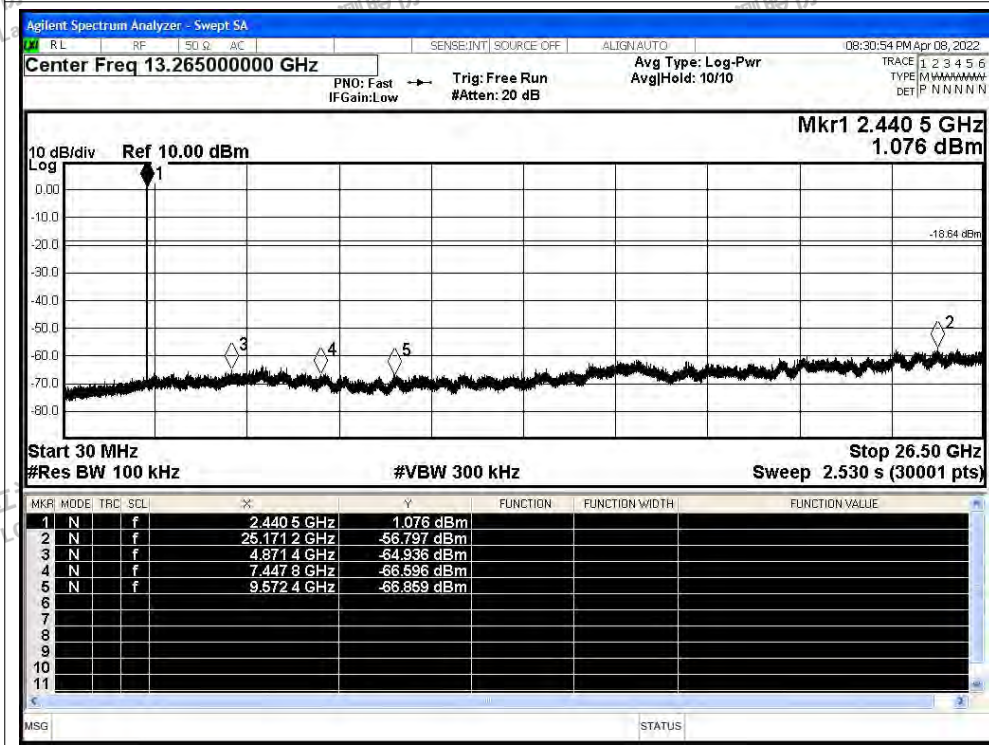




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

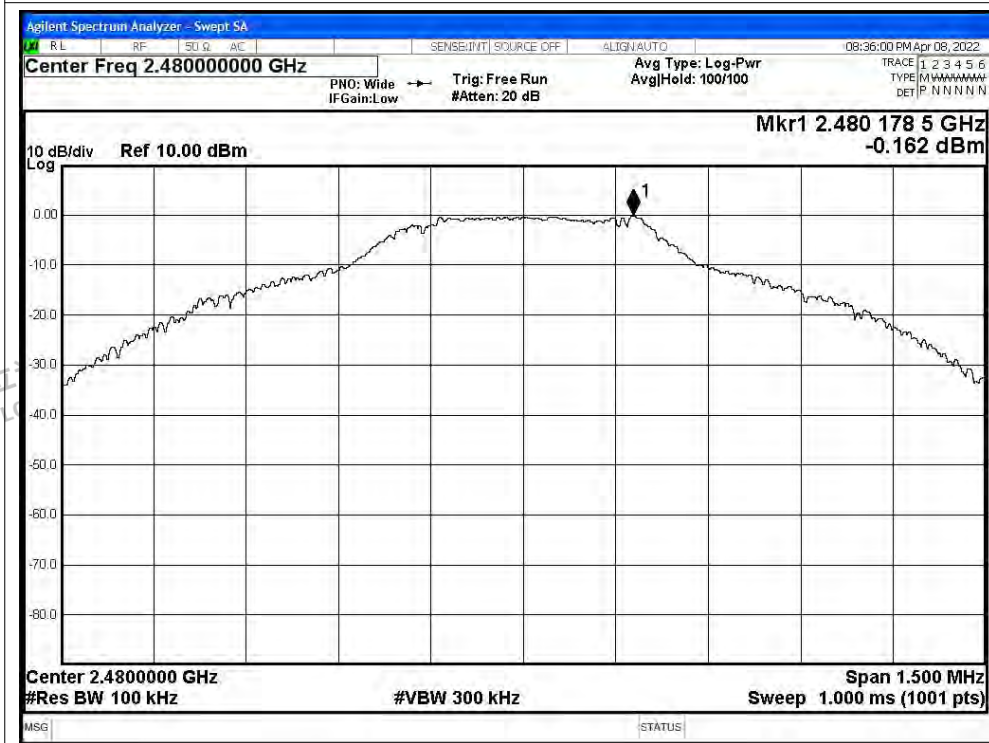


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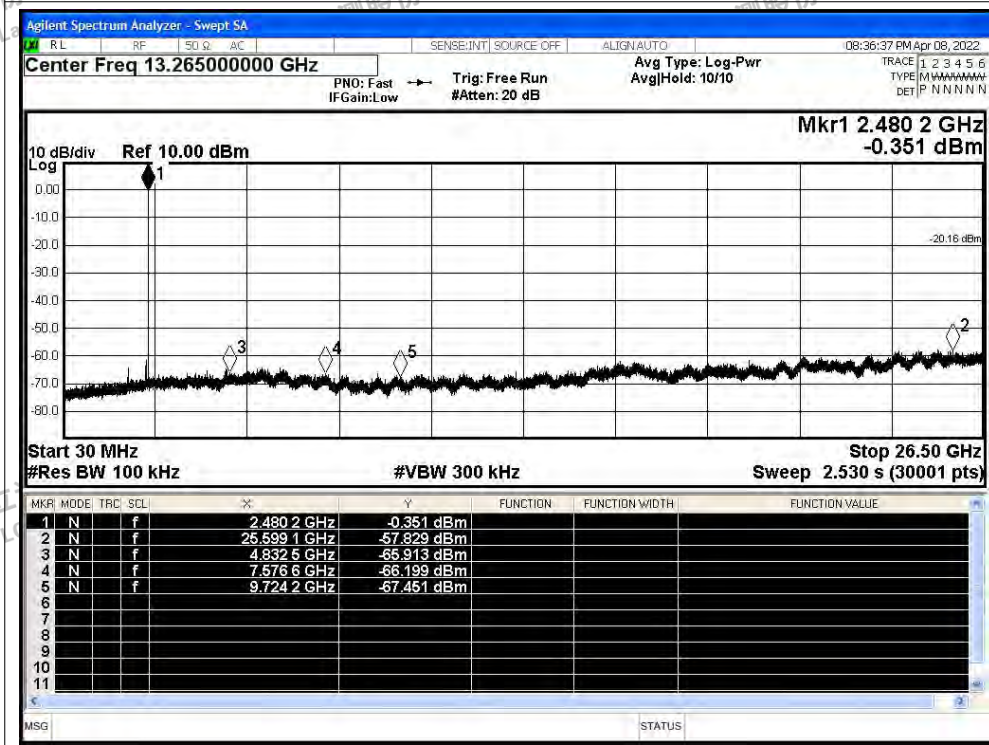




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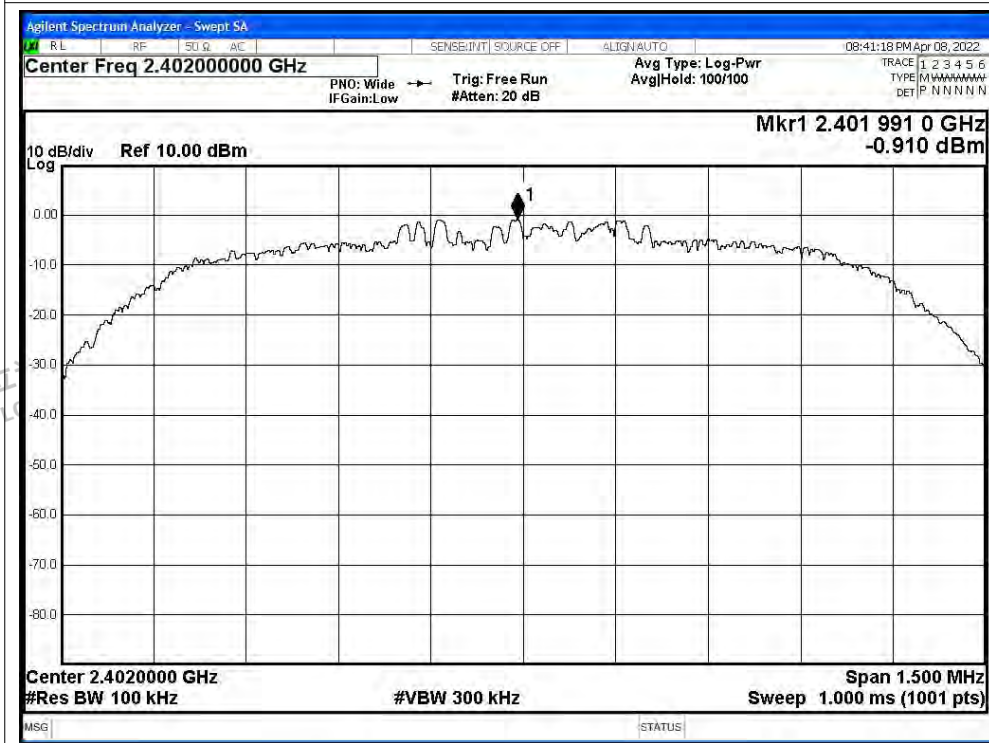


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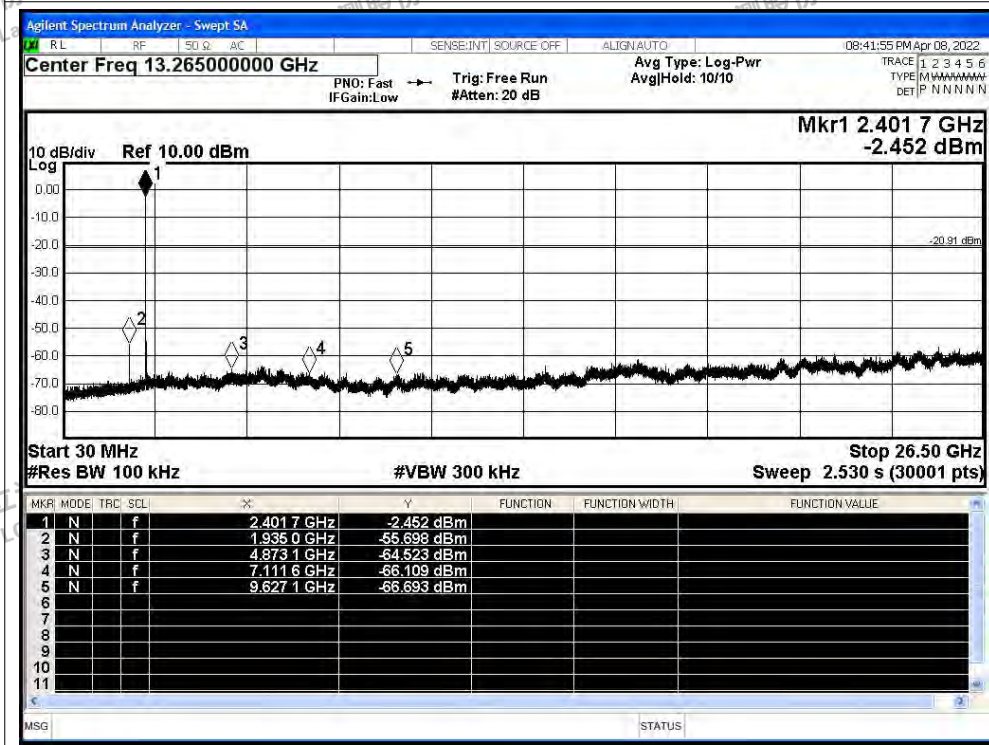




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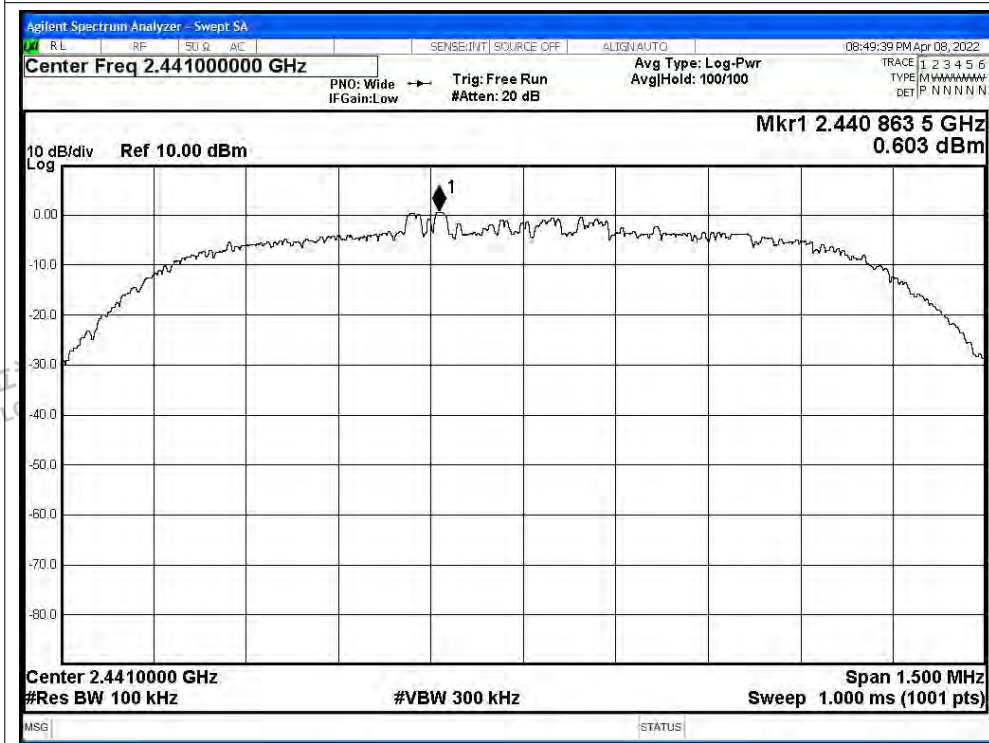


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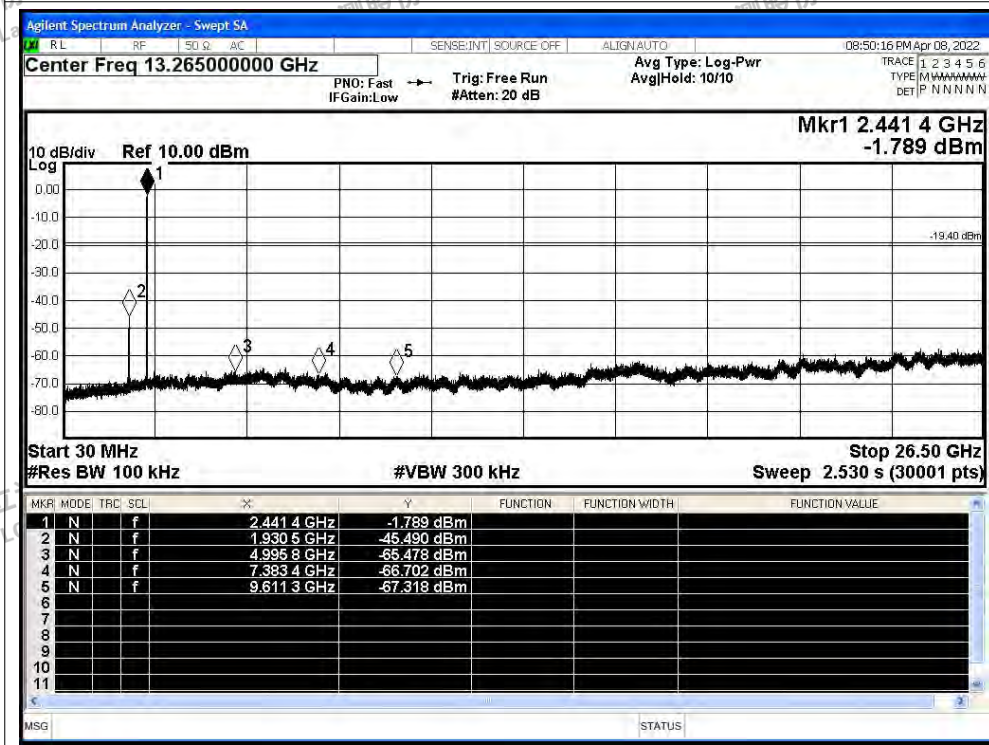




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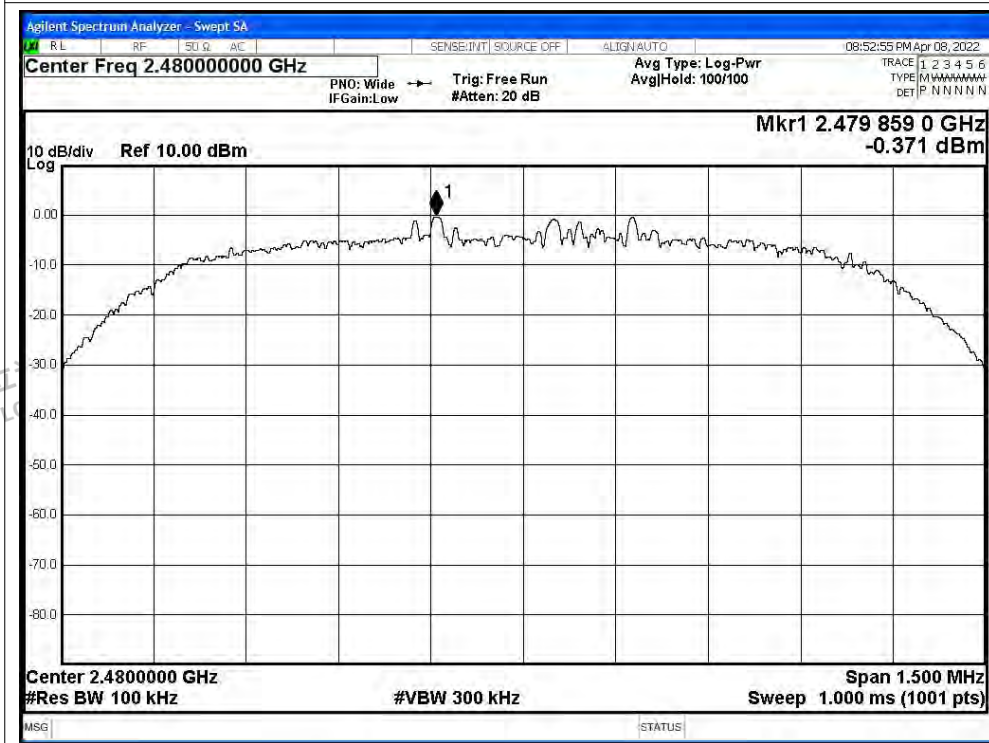


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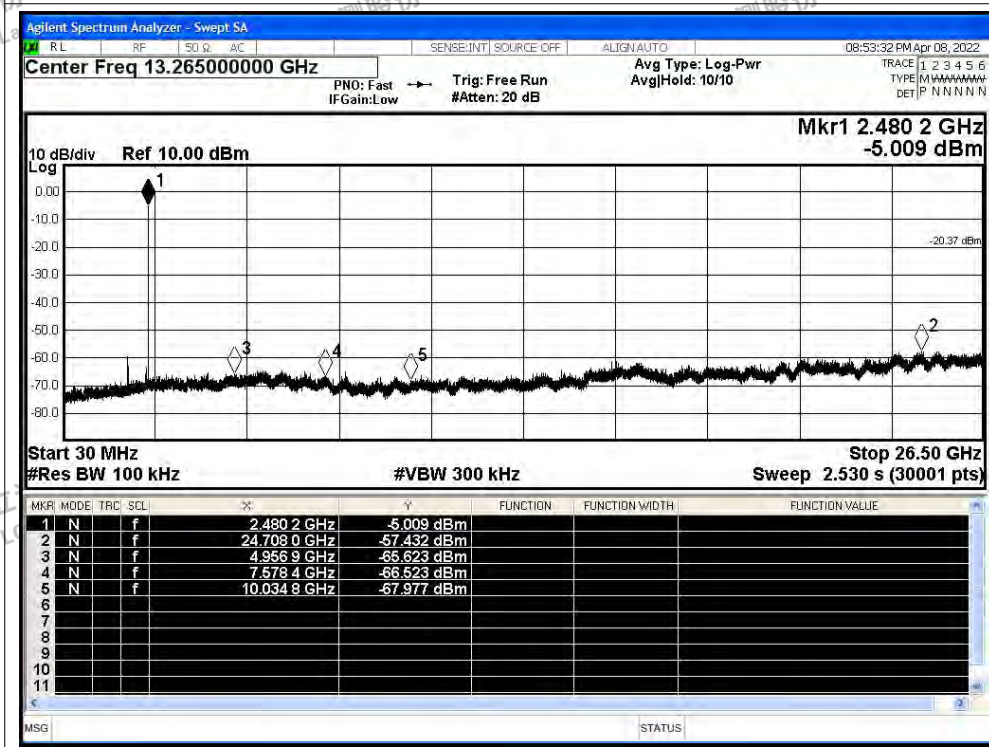




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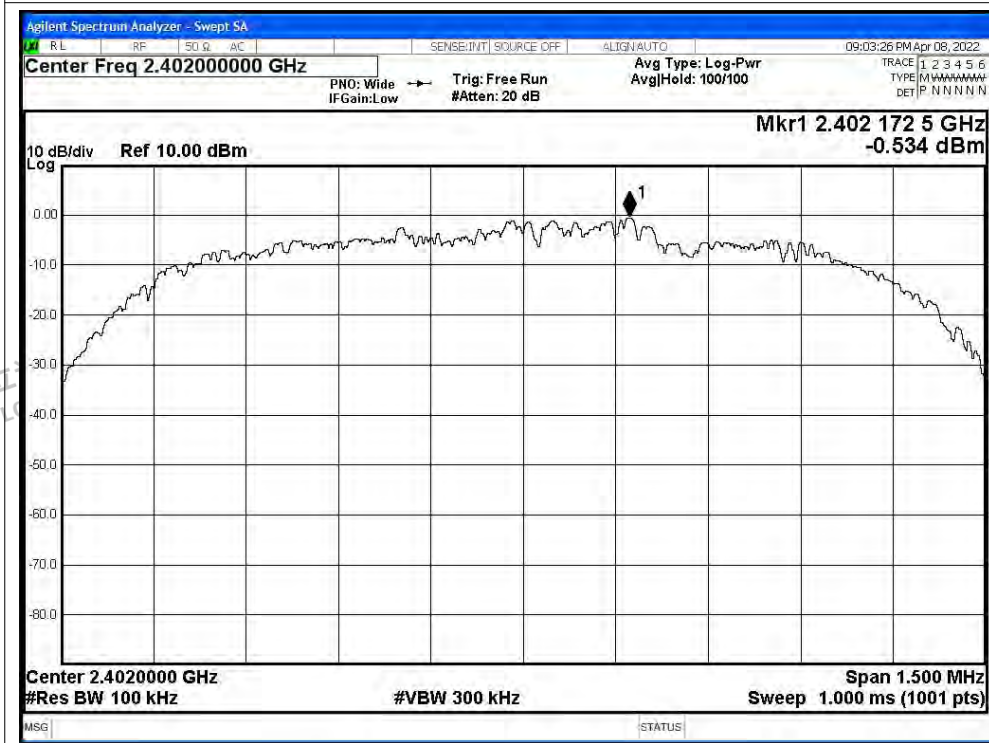


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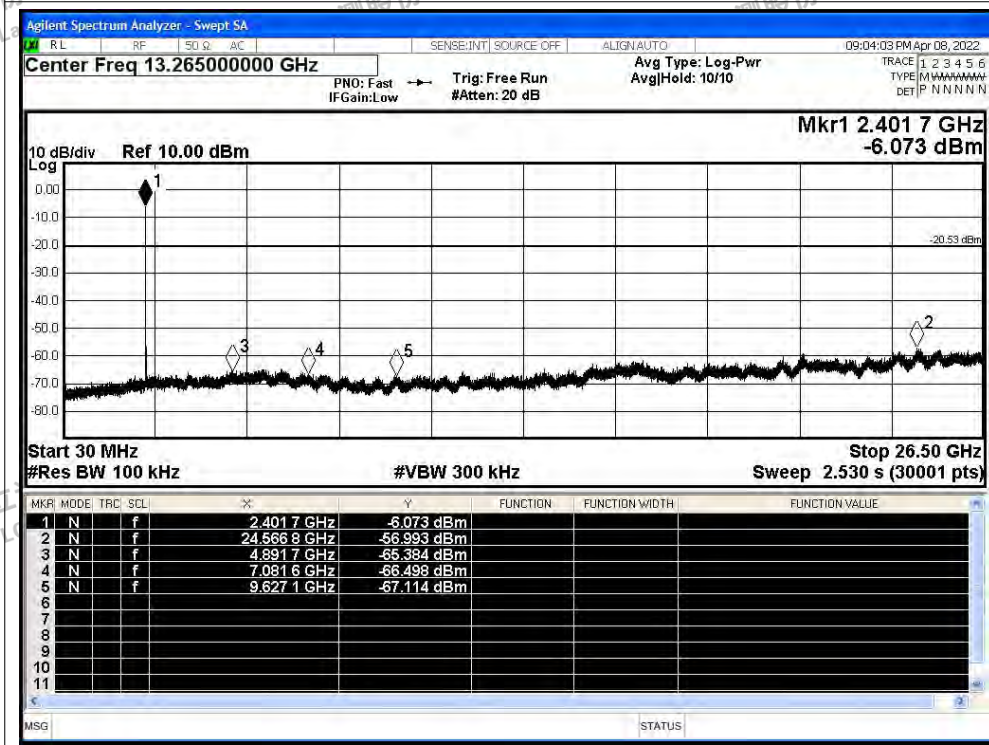




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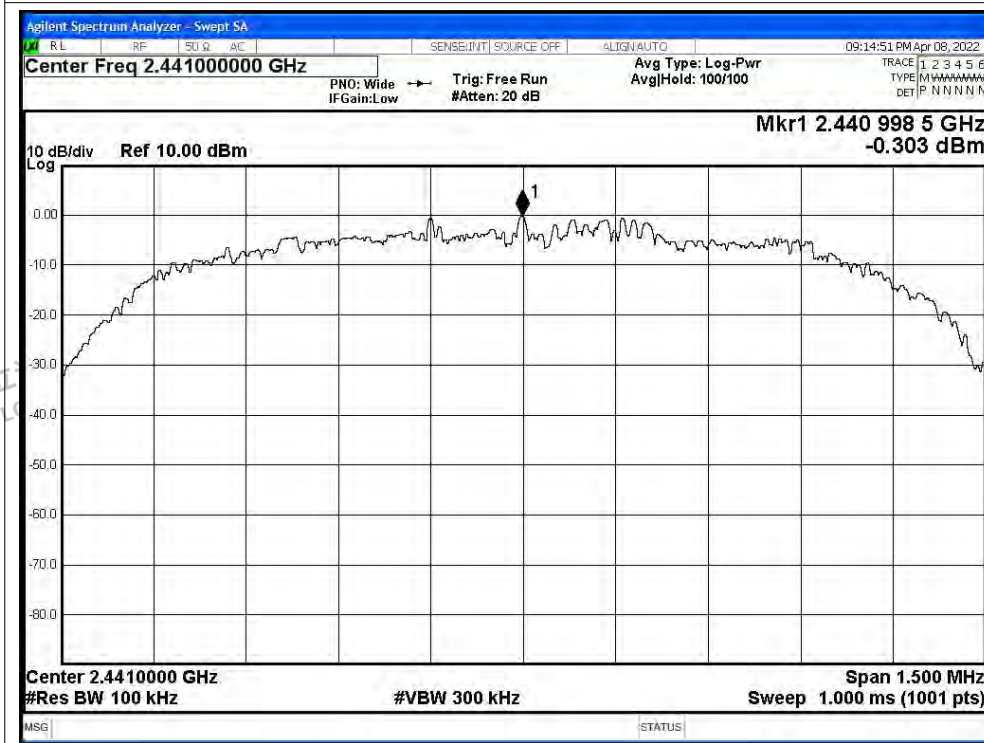


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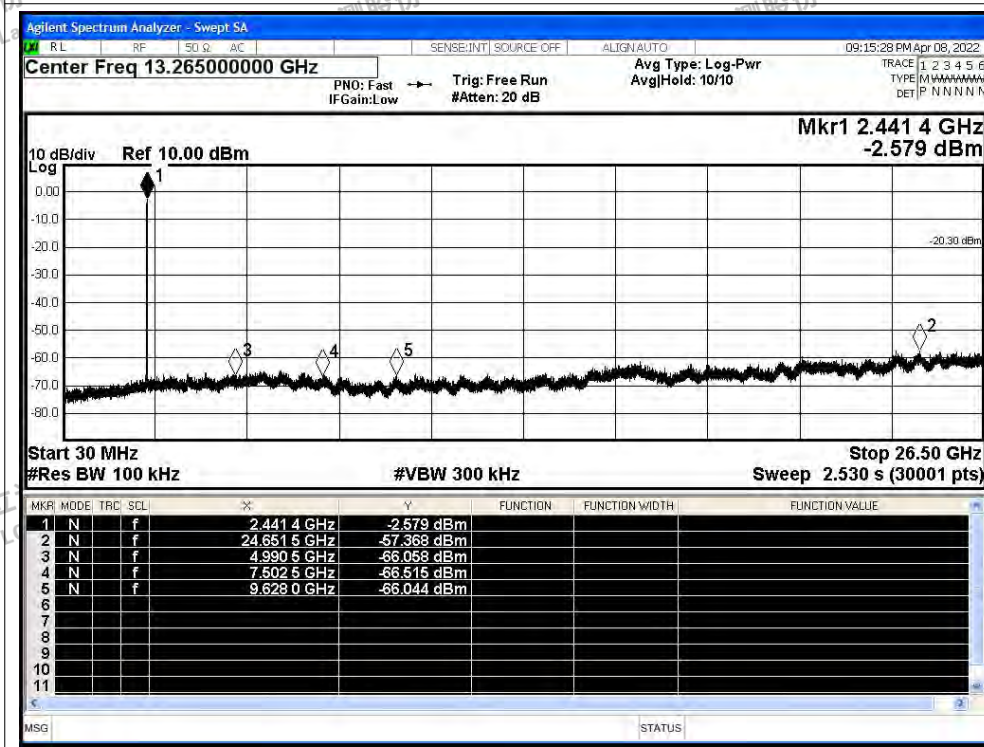




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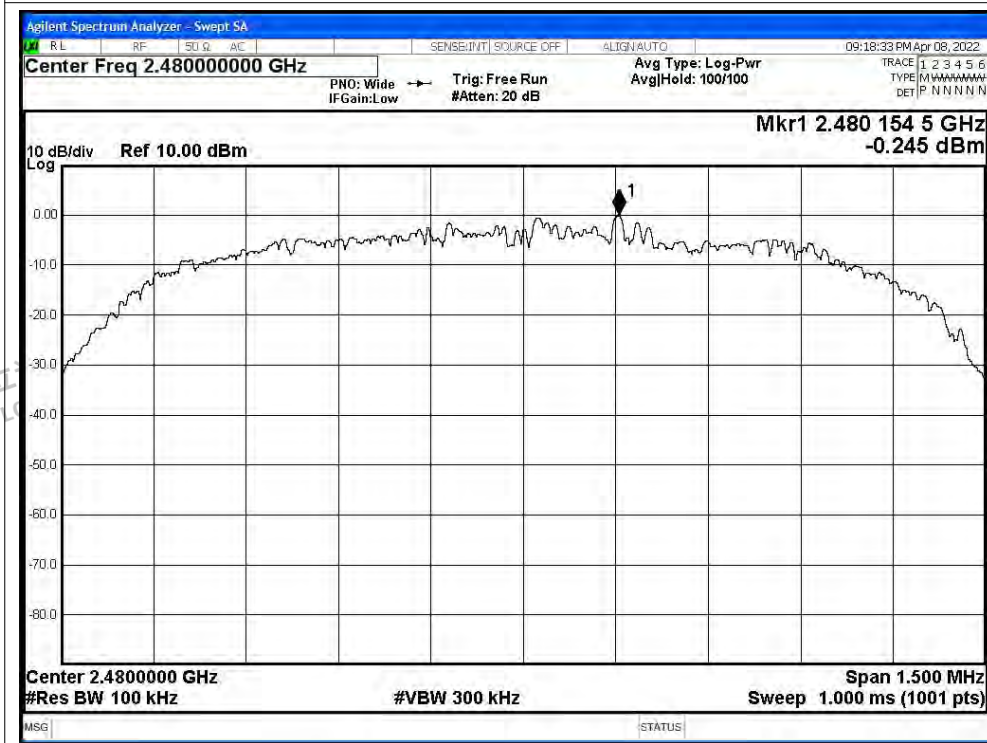


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

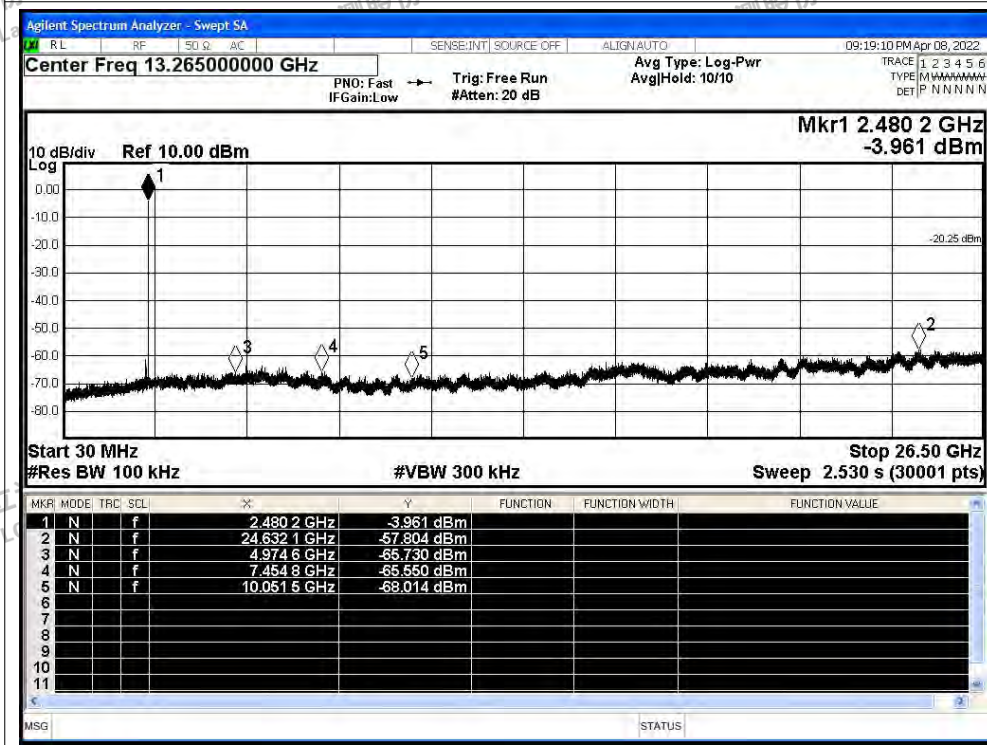




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





A.9 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	-52.24	2	45.02	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-62.04	2	35.22	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2348.88	-48.39	2	48.87	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2382.576	-61.52	2	35.74	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-51.82	2	45.44	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.73	2	35.53	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-51.26	2	46	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-61.04	2	36.22	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2496.688	-48.84	2	48.42	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.56	-60.93	2	36.33	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-52.2	2	45.06	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.66	2	35.6	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-52.57	2	44.69	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-61.99	2	35.27	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2339.472	-49.17	2	48.09	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2374.608	-61.57	2	35.69	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-53.6	2	43.66	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.83	2	35.43	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-51.6	2	45.66	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-60.91	2	36.35	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2492.176	-48.23	2	49.03	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.704	-60.86	2	36.4	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.76	2	45.5	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.6	2	35.66	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-52.84	2	44.42	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-62.17	2	35.09	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2356.752	-48.76	2	48.5	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2385.168	-61.47	2	35.79	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-51.09	2	46.17	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-61.54	2	35.72	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-51.17	2	46.09	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-60.8	2	36.46	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2484.688	-48.8	2	48.46	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.536	-60.75	2	36.51	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-51.89	2	45.37	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-61.65	2	35.61	Average	54	Pass



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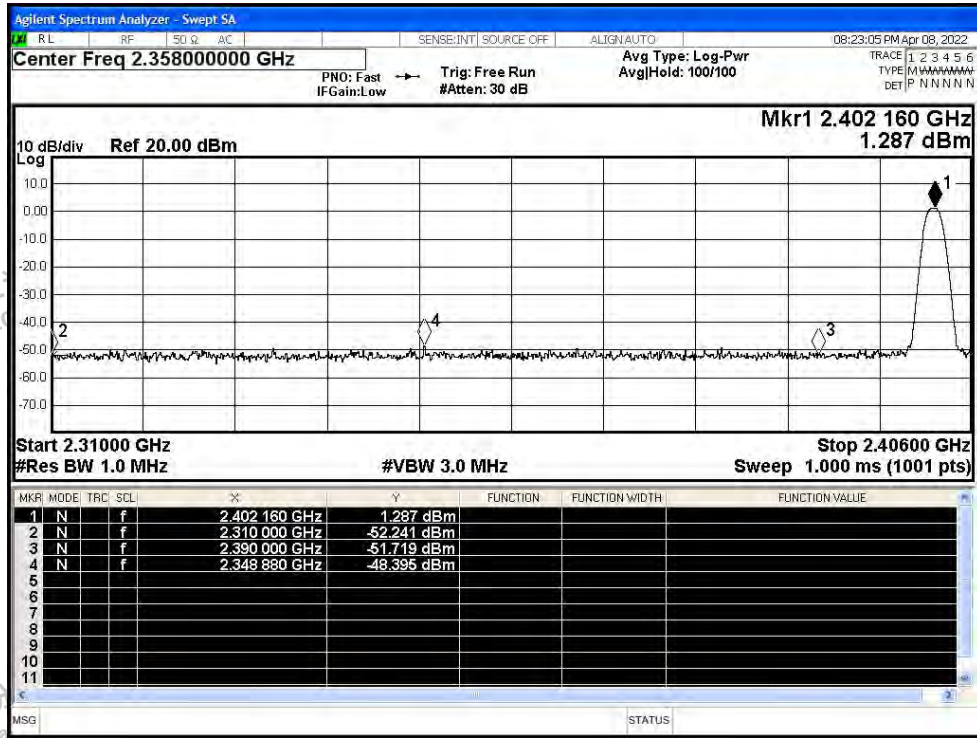
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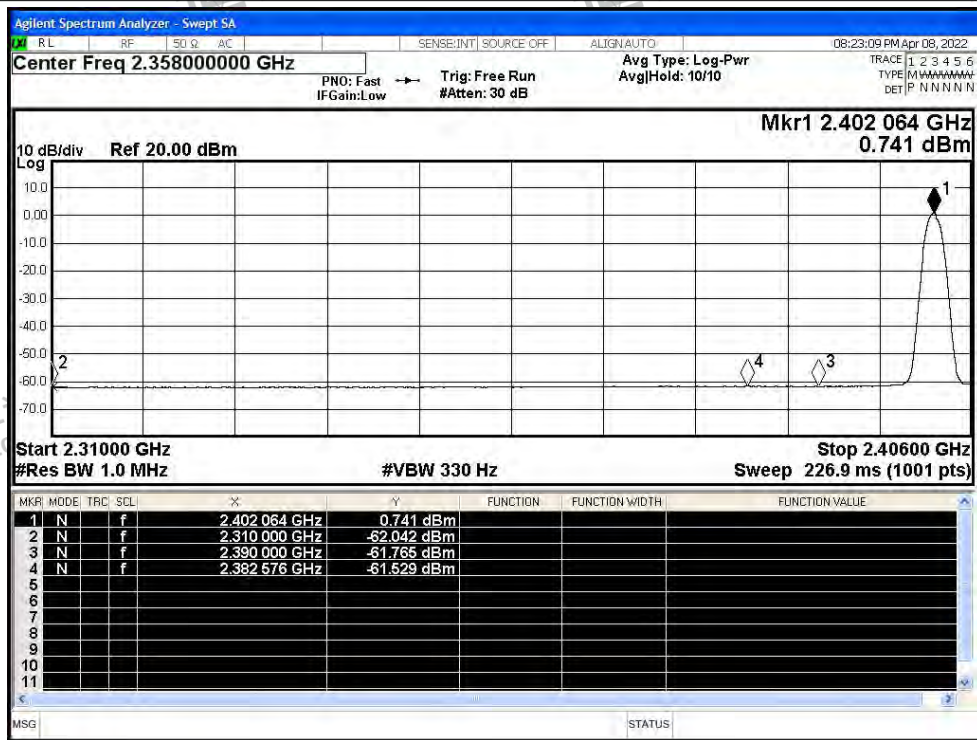


Test Graphs

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

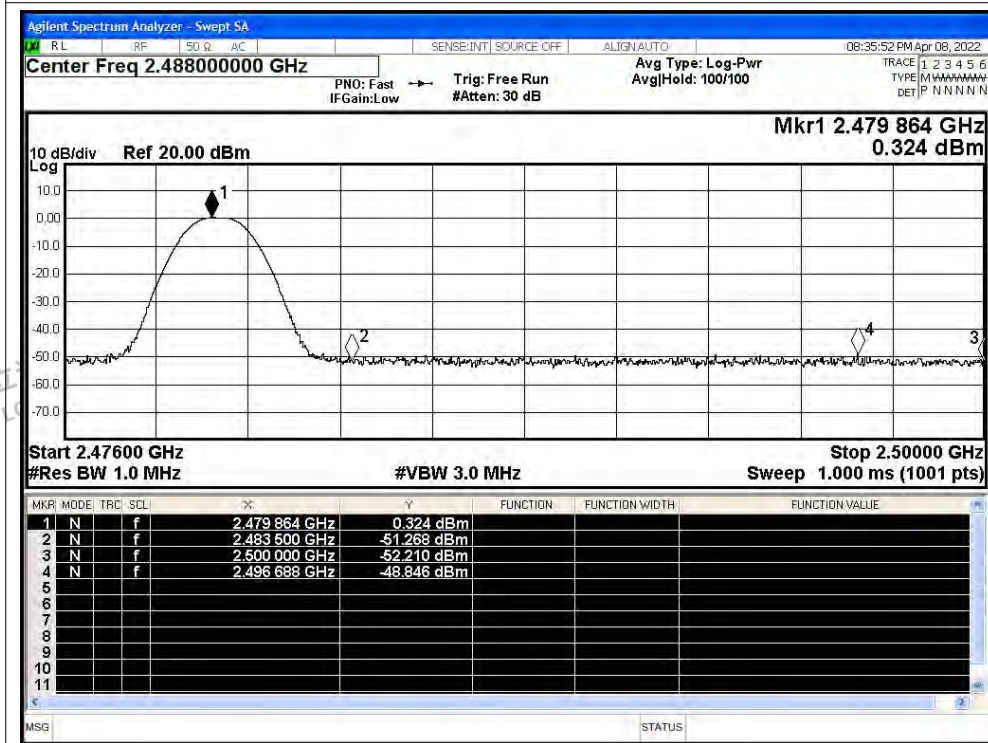


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

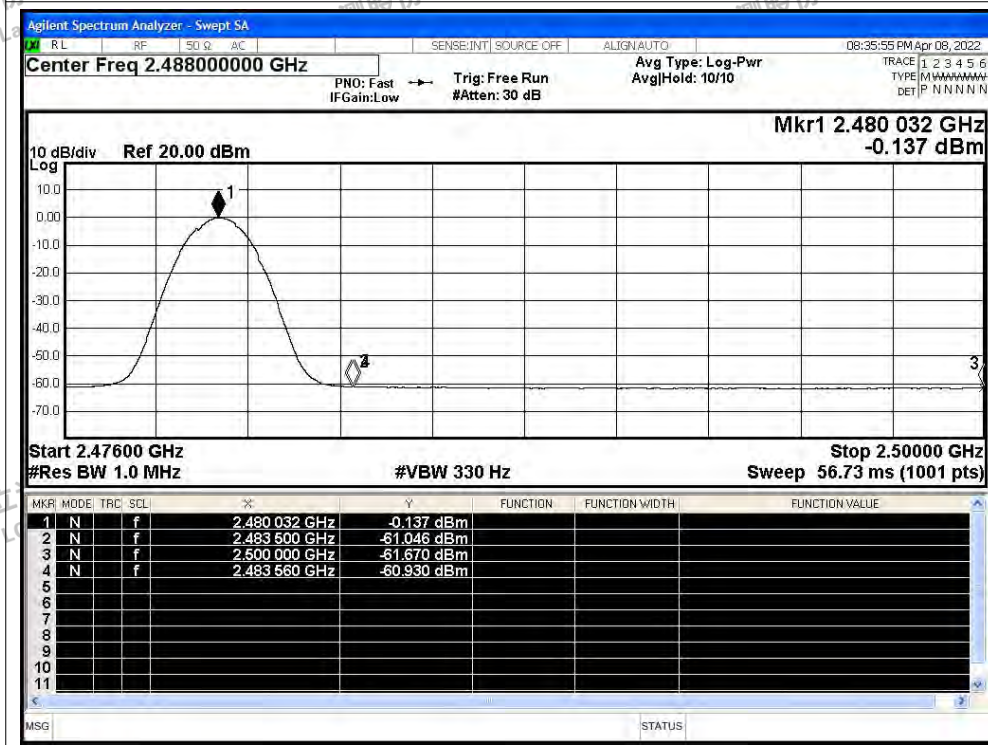




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

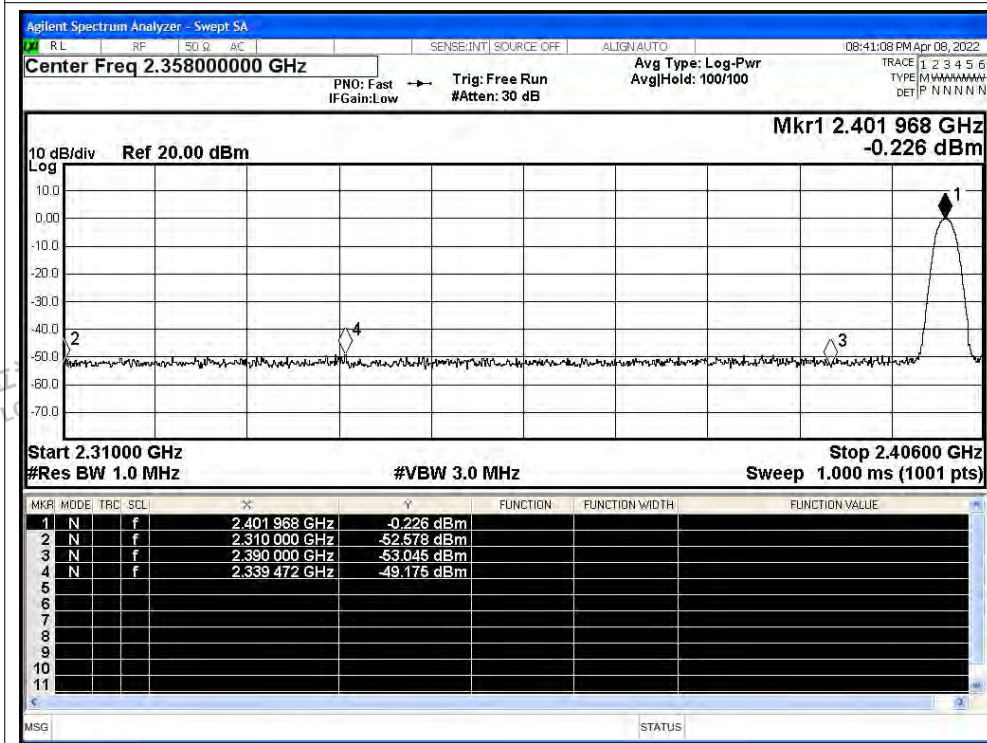


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

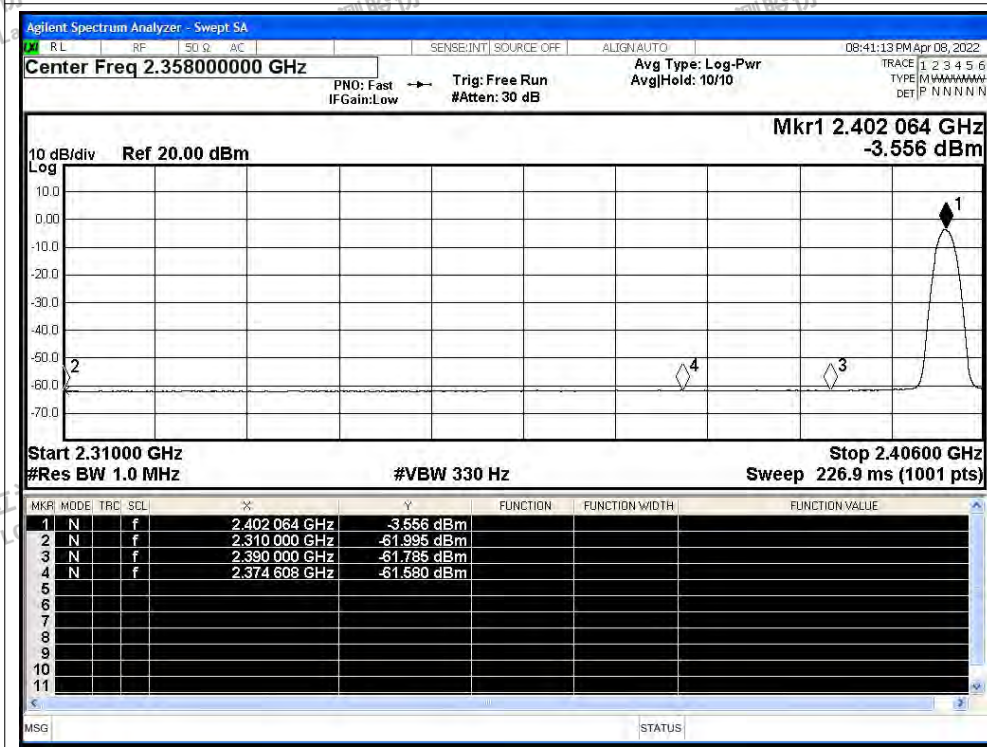




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

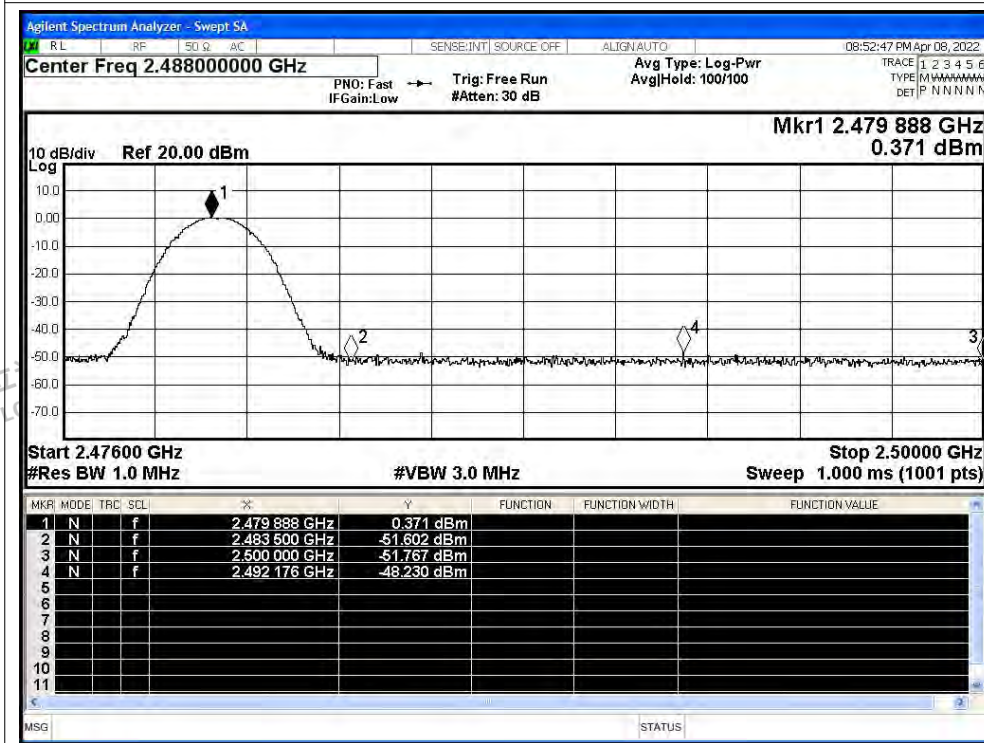


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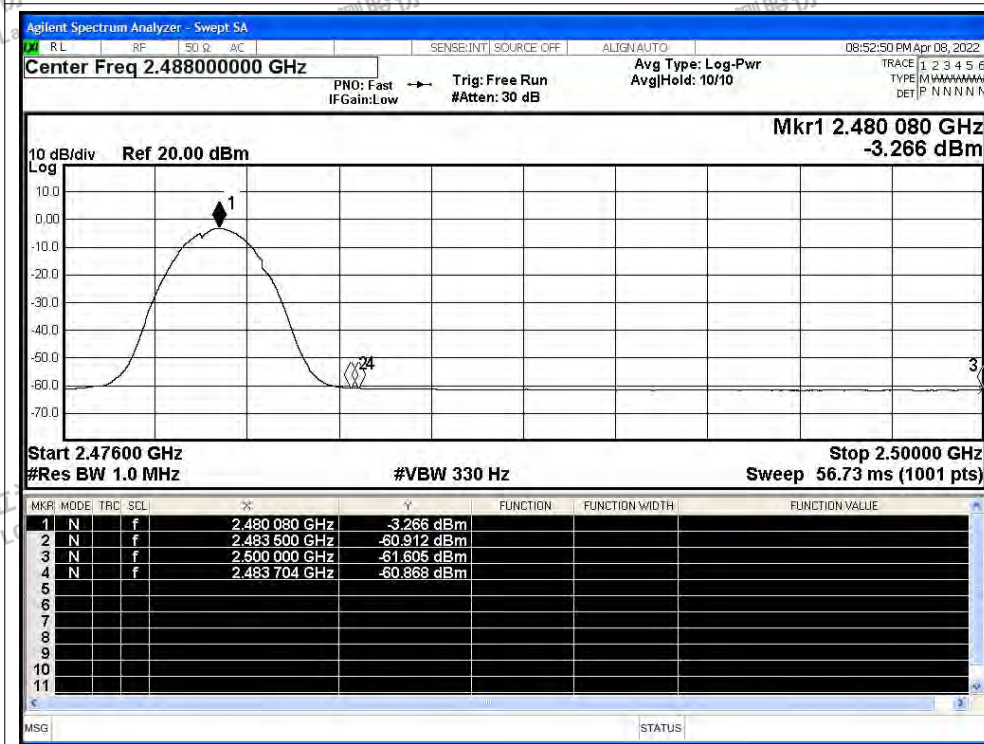




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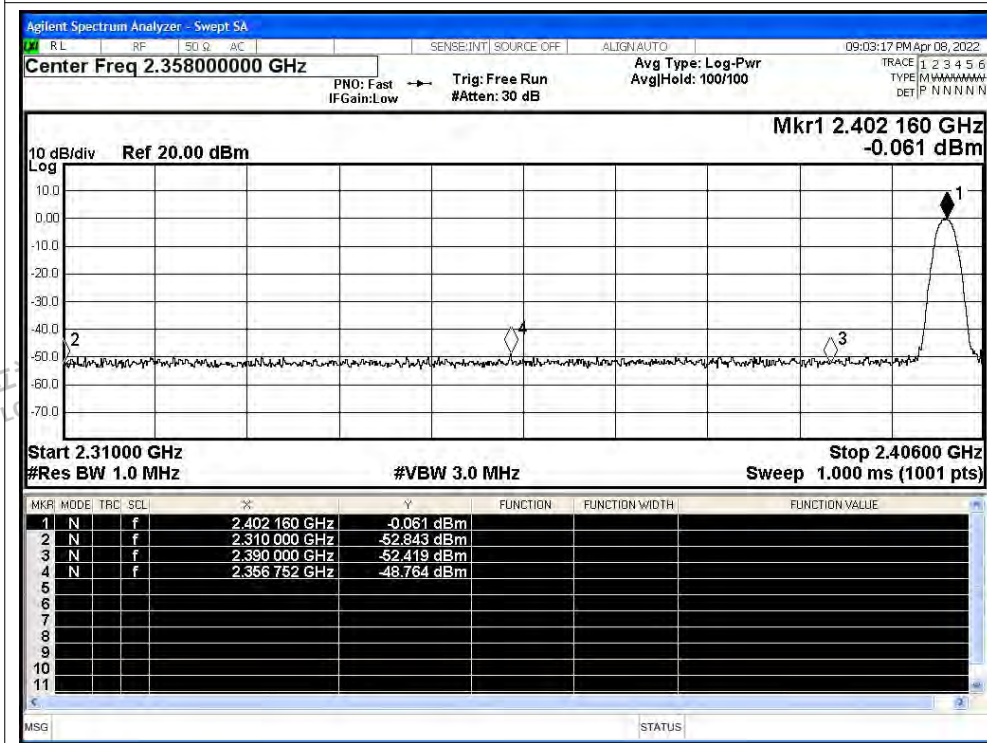


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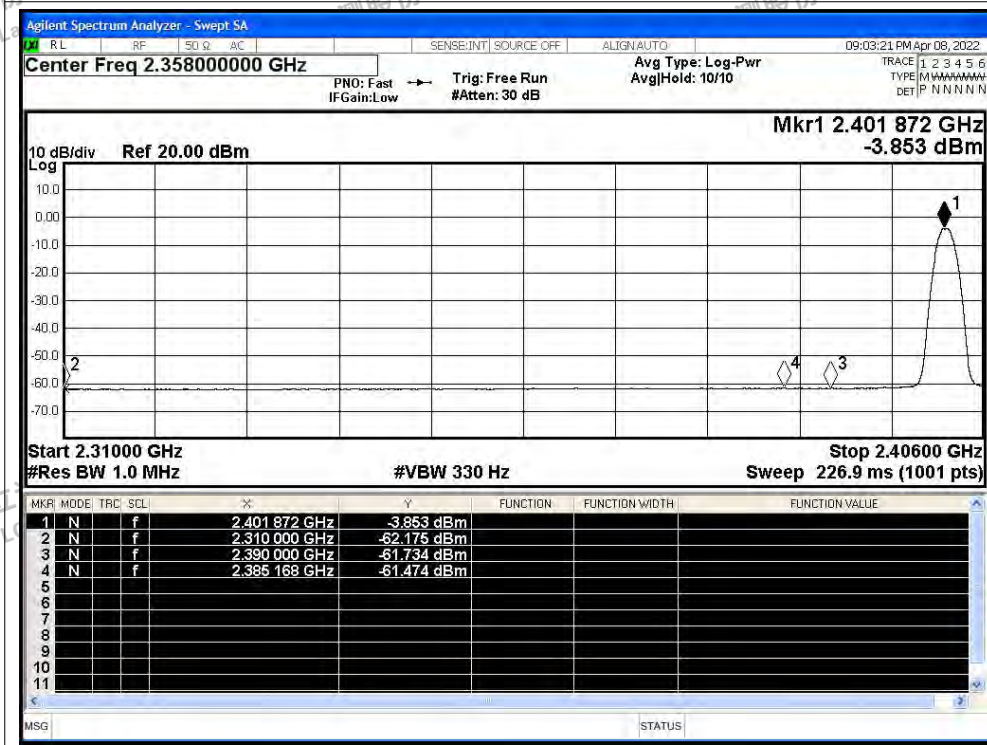




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

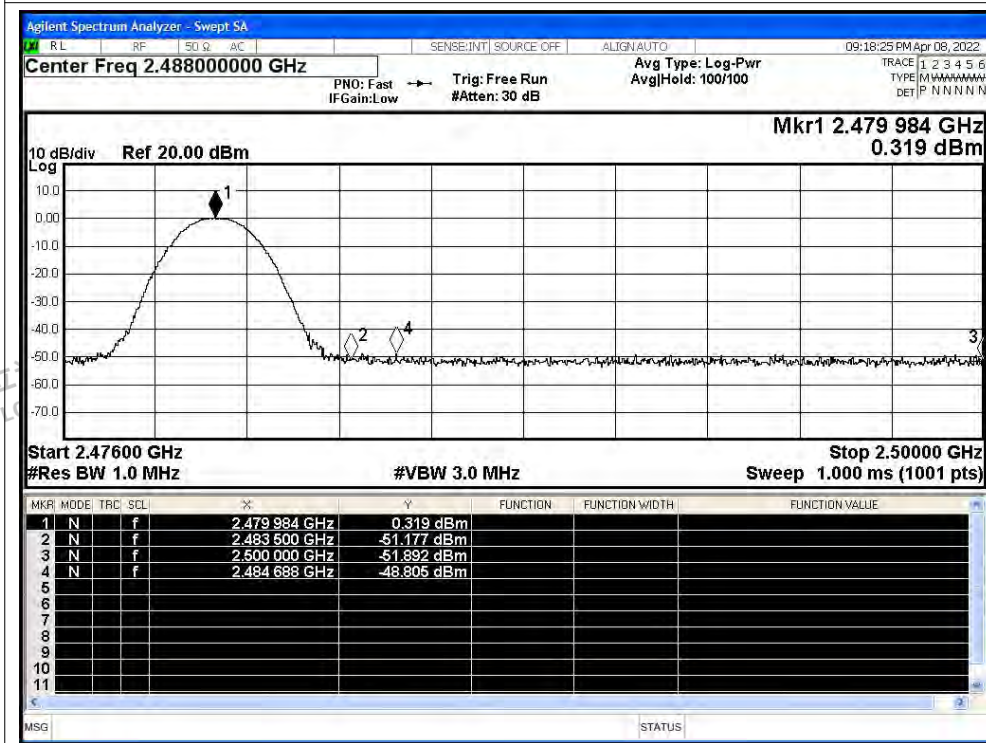


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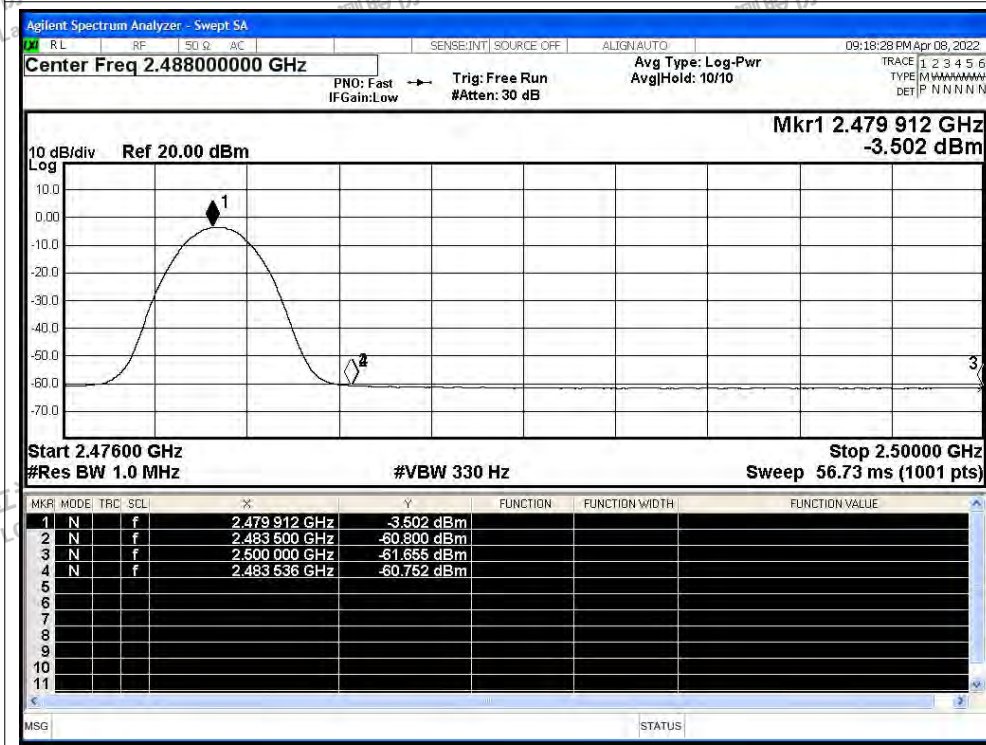




Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



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



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