



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Wireless Headphone

Test Model: FB-8S

Environmental Conditions

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





A.1 -20dB Bandwidth

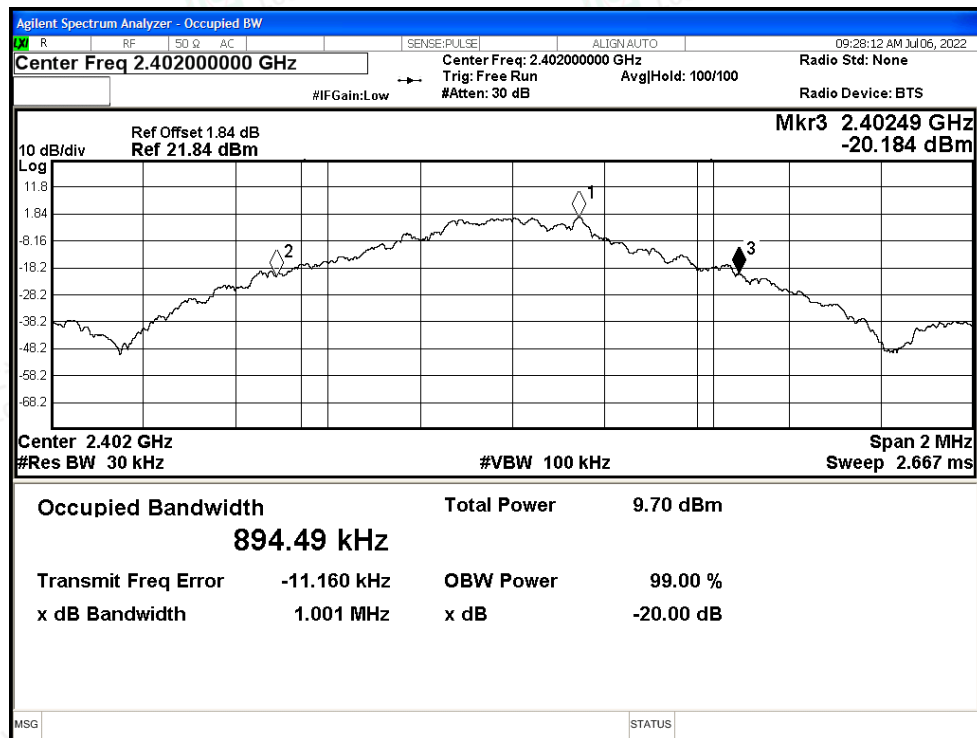
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.001	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.972	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.997	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.32	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.288	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.31	N/A	Pass



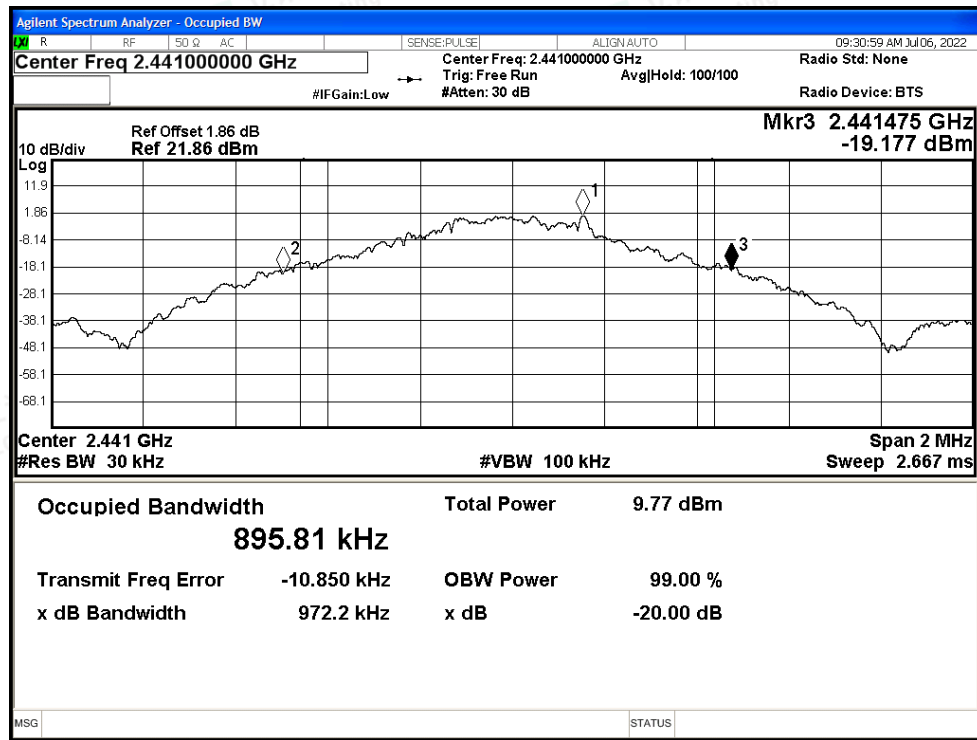


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

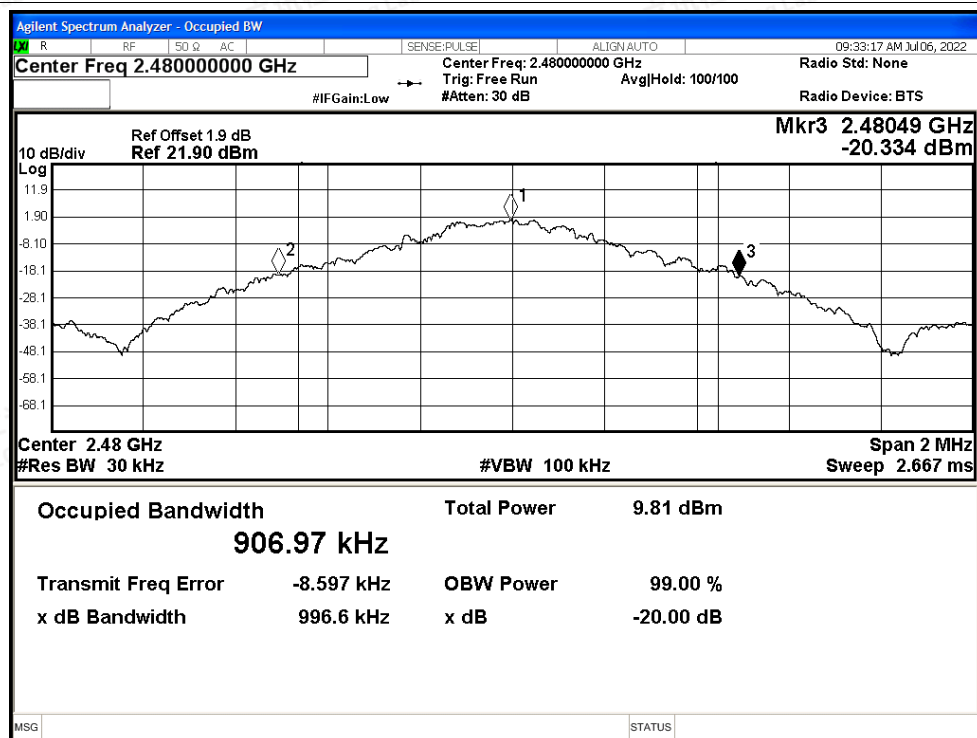


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

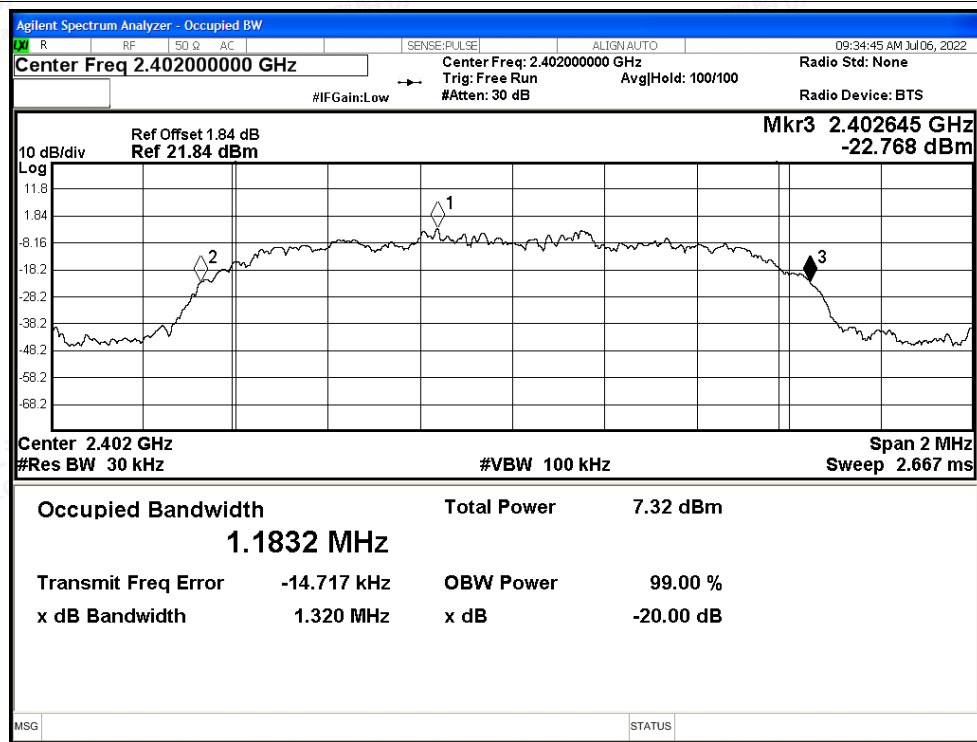




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

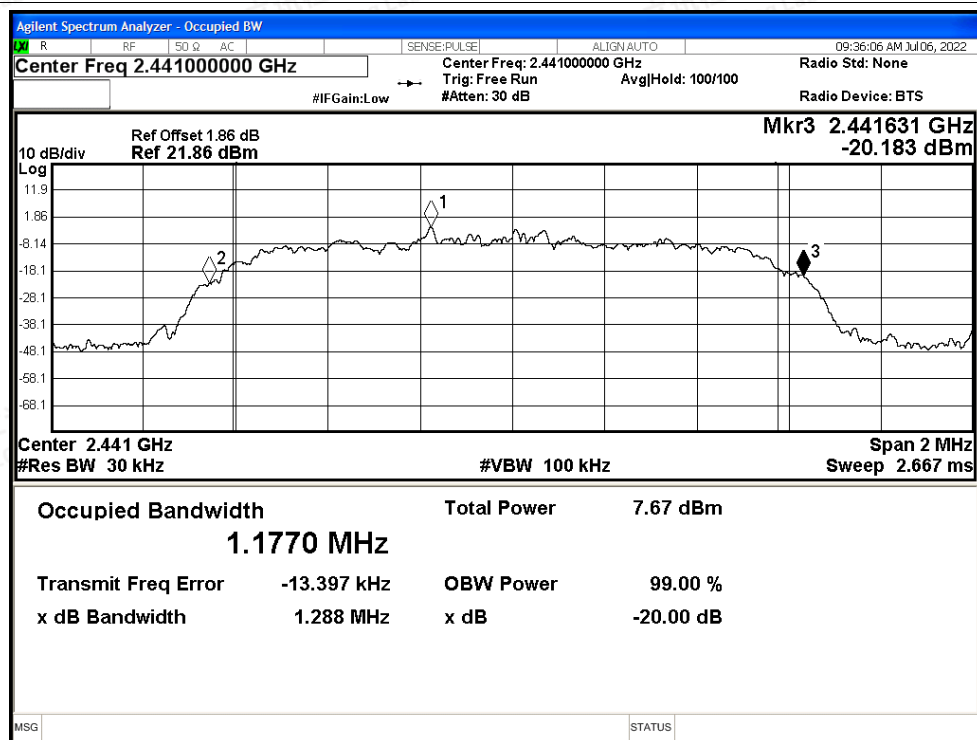


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

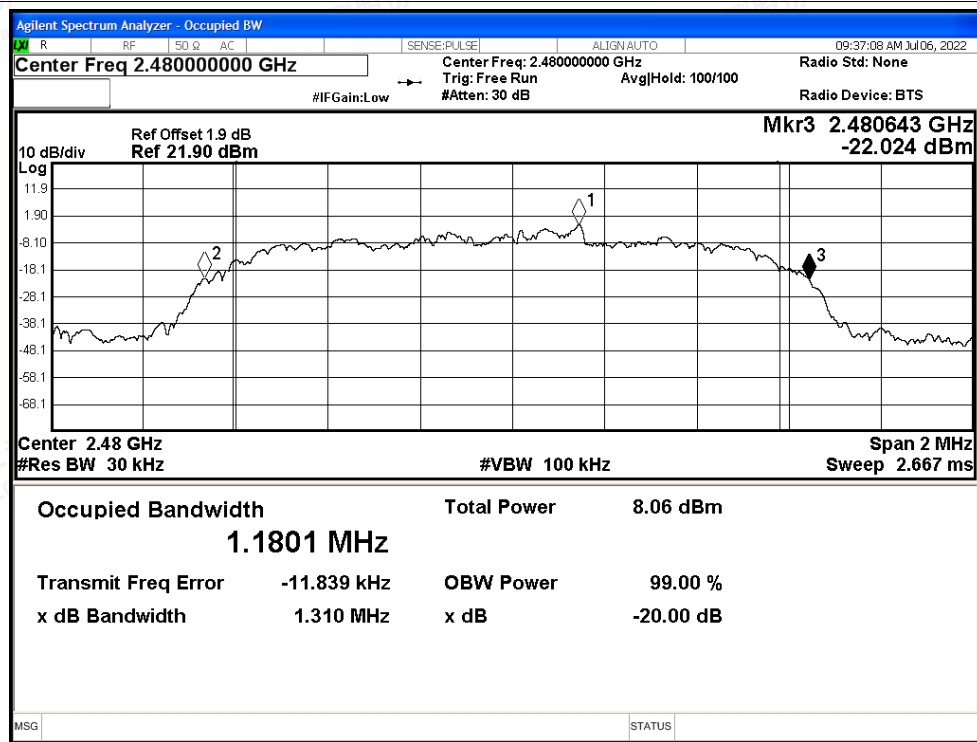




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



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A.2 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	0.58	0	0.58	21	Pass
NVNT	1-DH5	2441	Ant1	0.71	0	0.71	21	Pass
NVNT	1-DH5	2480	Ant1	0.51	0	0.51	21	Pass
NVNT	2-DH5	2402	Ant1	0.35	0	0.35	21	Pass
NVNT	2-DH5	2441	Ant1	0.51	0	0.51	21	Pass
NVNT	2-DH5	2480	Ant1	0.29	0	0.29	21	Pass

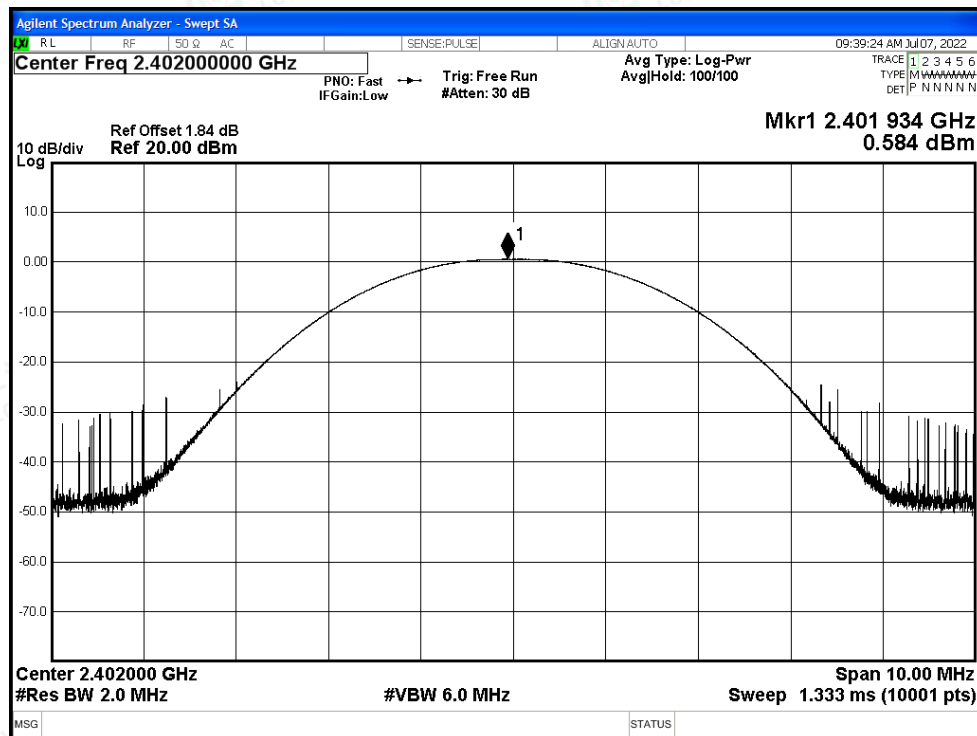


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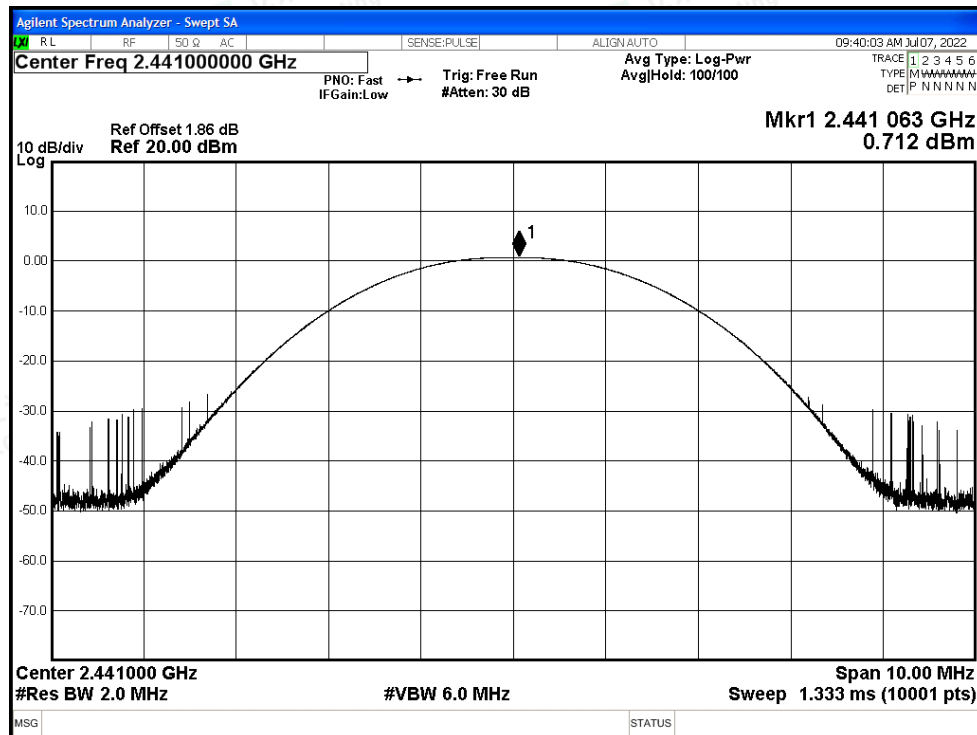


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

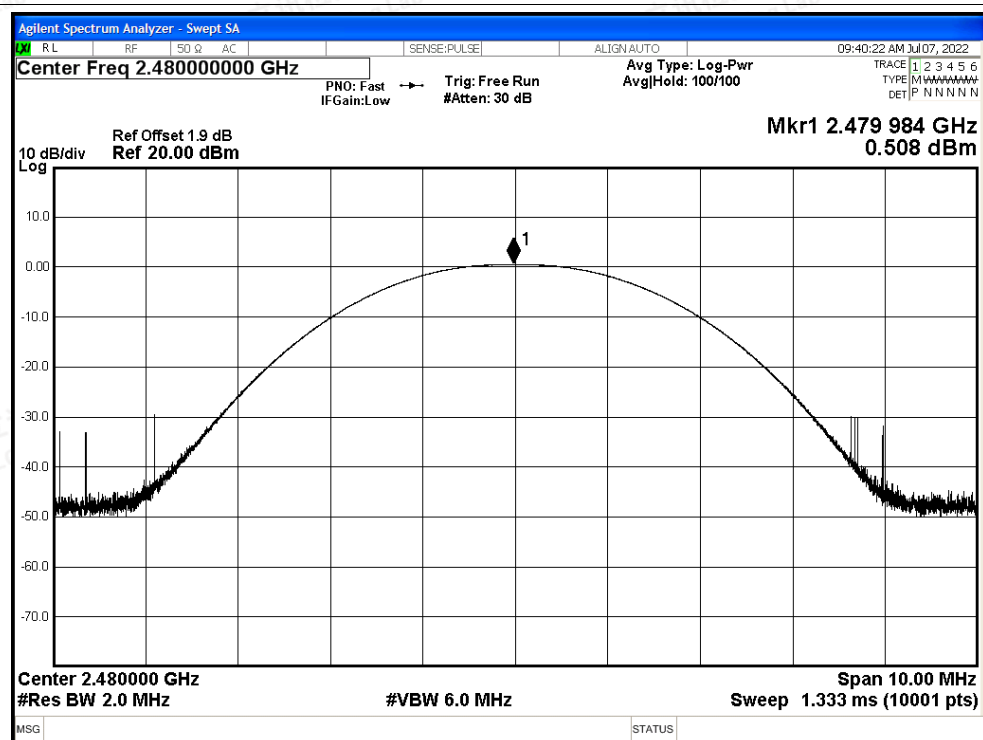


Power NVNT 1-DH5 2441MHz Ant1

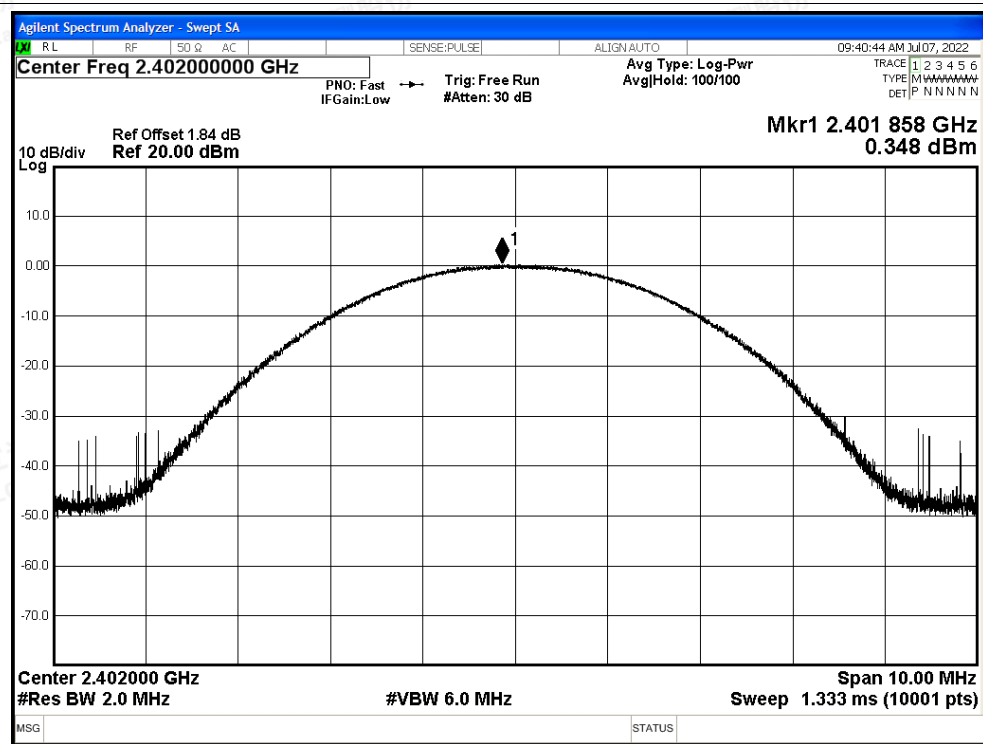




Power NVNT 1-DH5 2480MHz Ant1

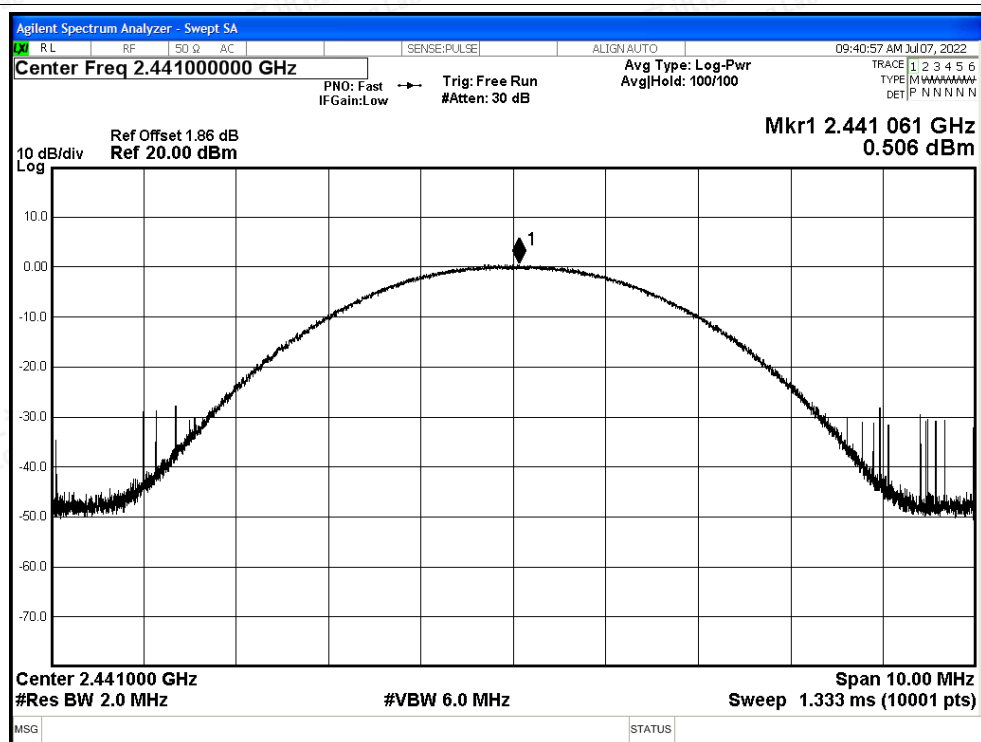


Power NVNT 2-DH5 2402MHz Ant1

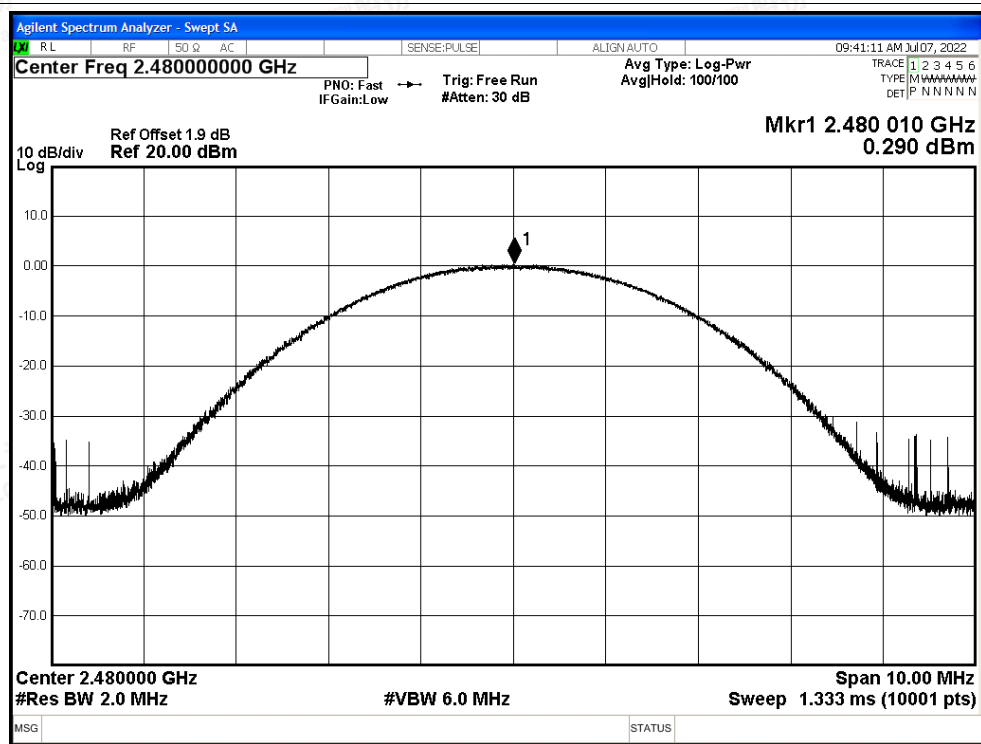




Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1





A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.998	2403.05	1.052	0.667	Pass
NVNT	2-DH5	Ant1	2402	2403.004	1.004	0.88	Pass

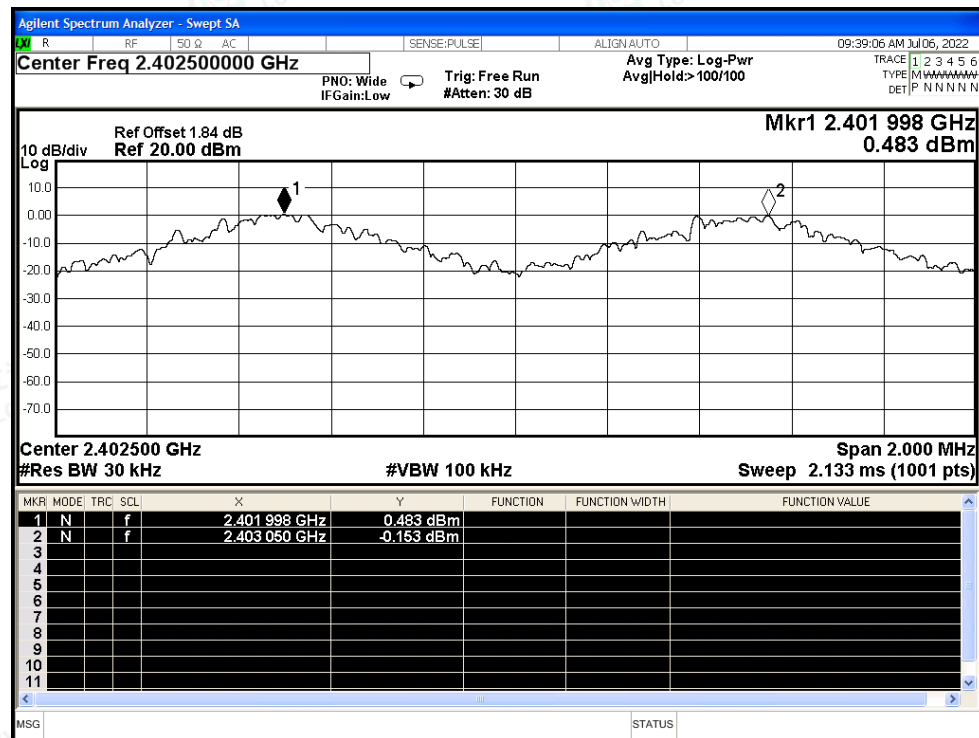


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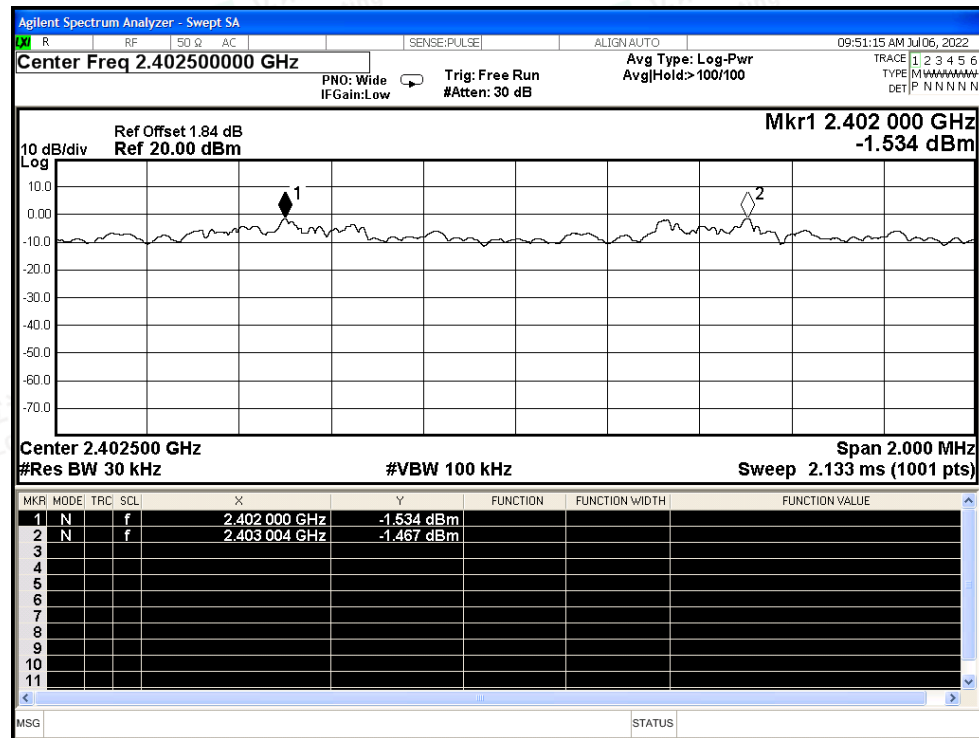


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2402MHz Ant1





A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.881	279.457	97	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.881	288.1	100	31600	400	Pass

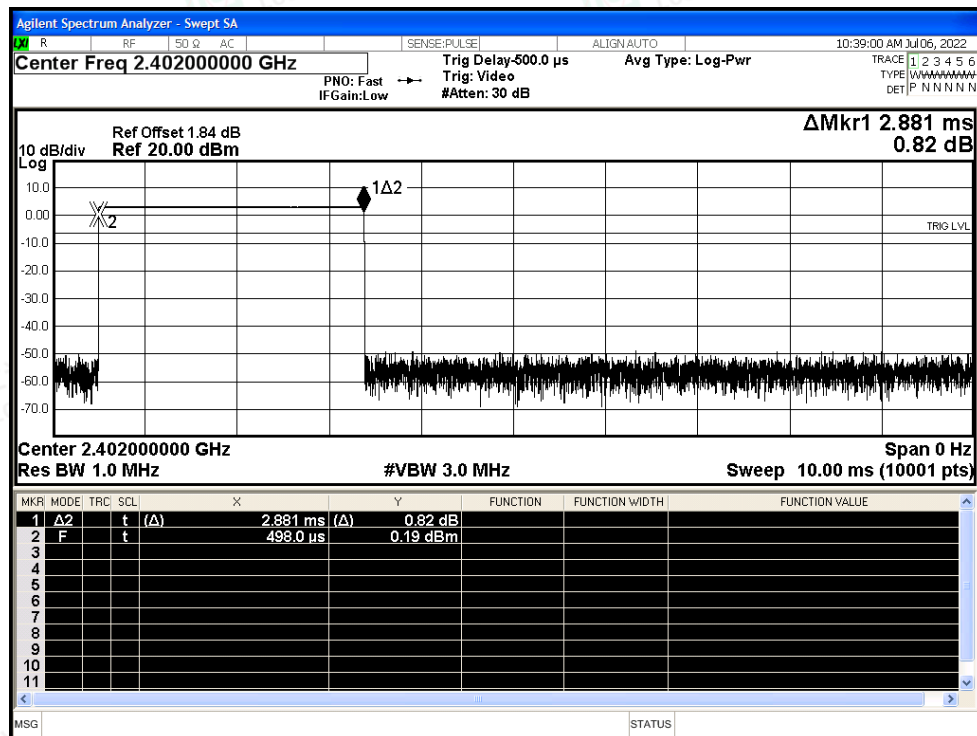


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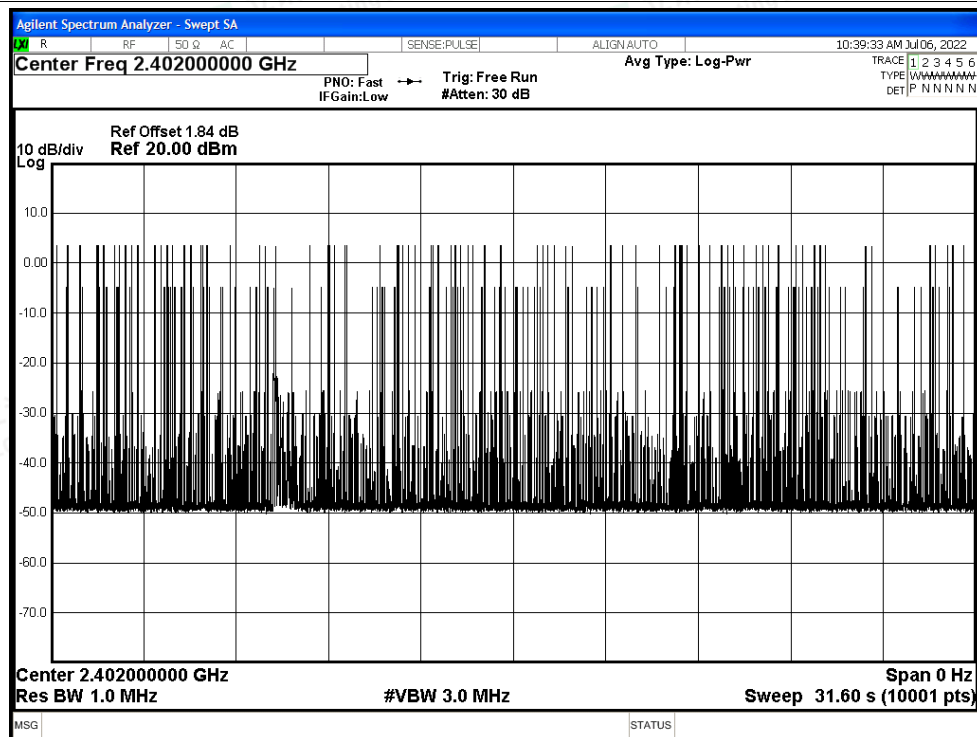


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

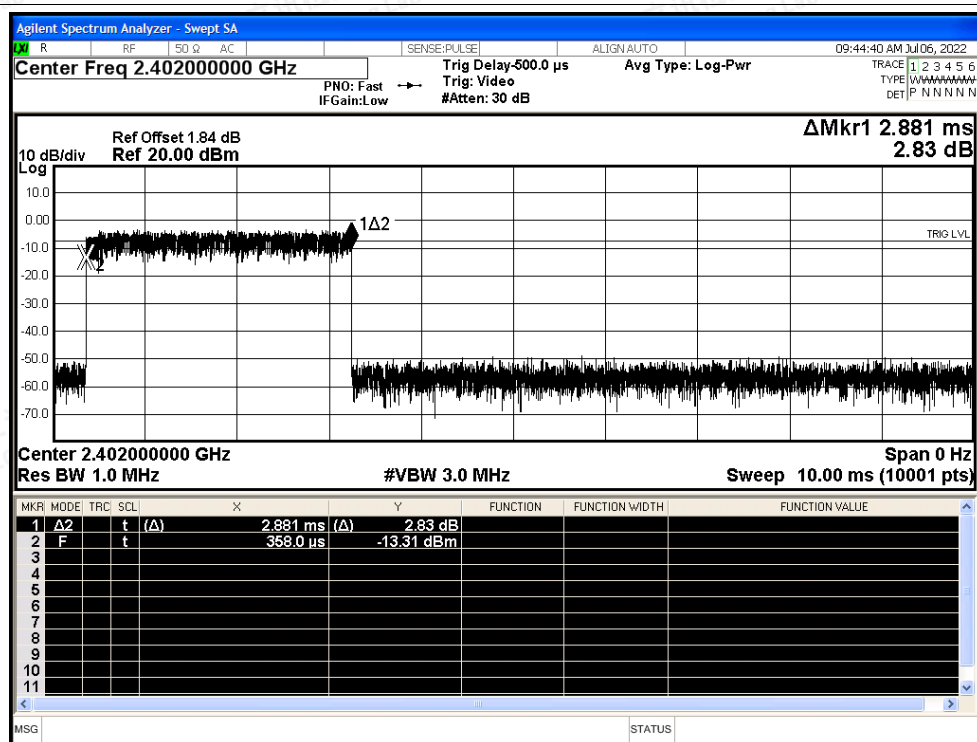


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

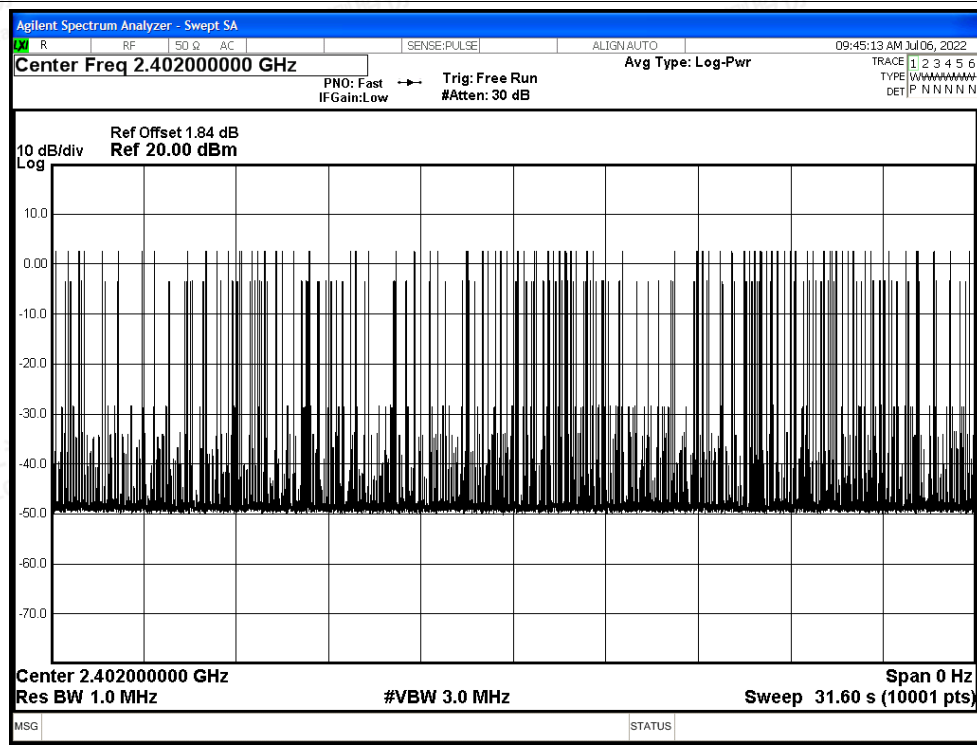




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst



Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated





A.5 Number of Hopping Channel

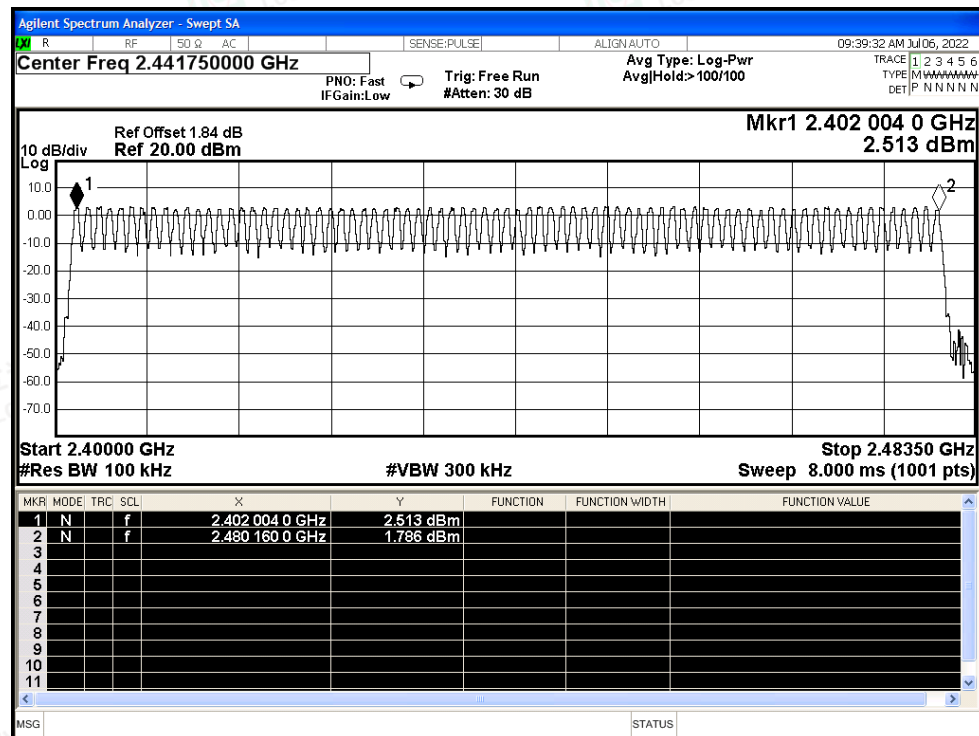
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass



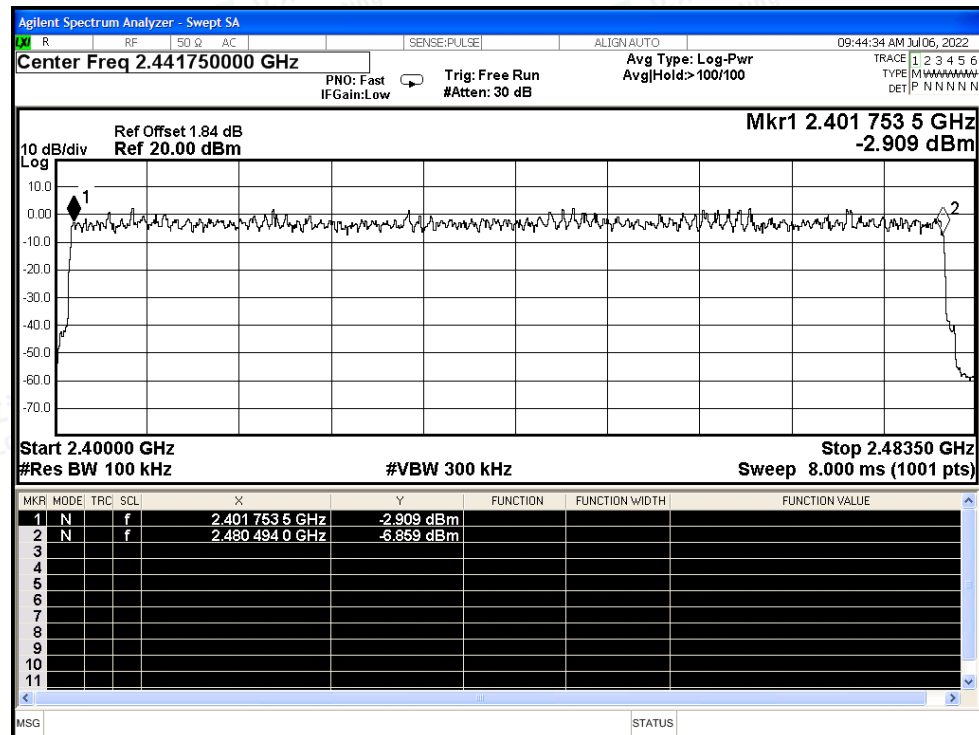


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





A.6 Band Edge

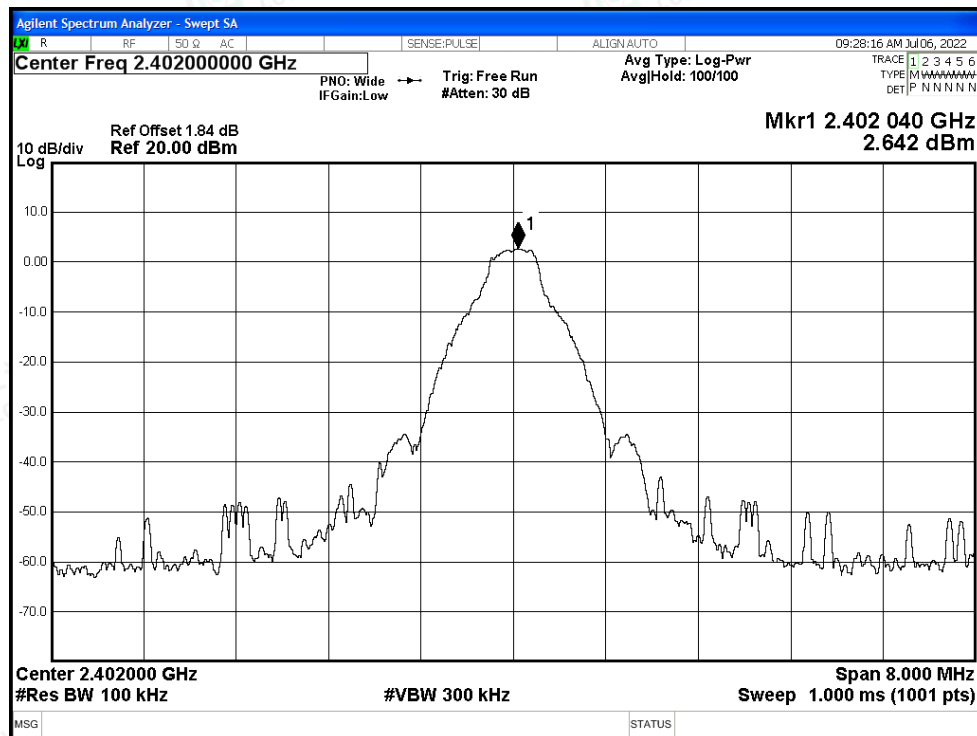
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-51.39	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-49.94	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-48.41	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.74	-20	Pass



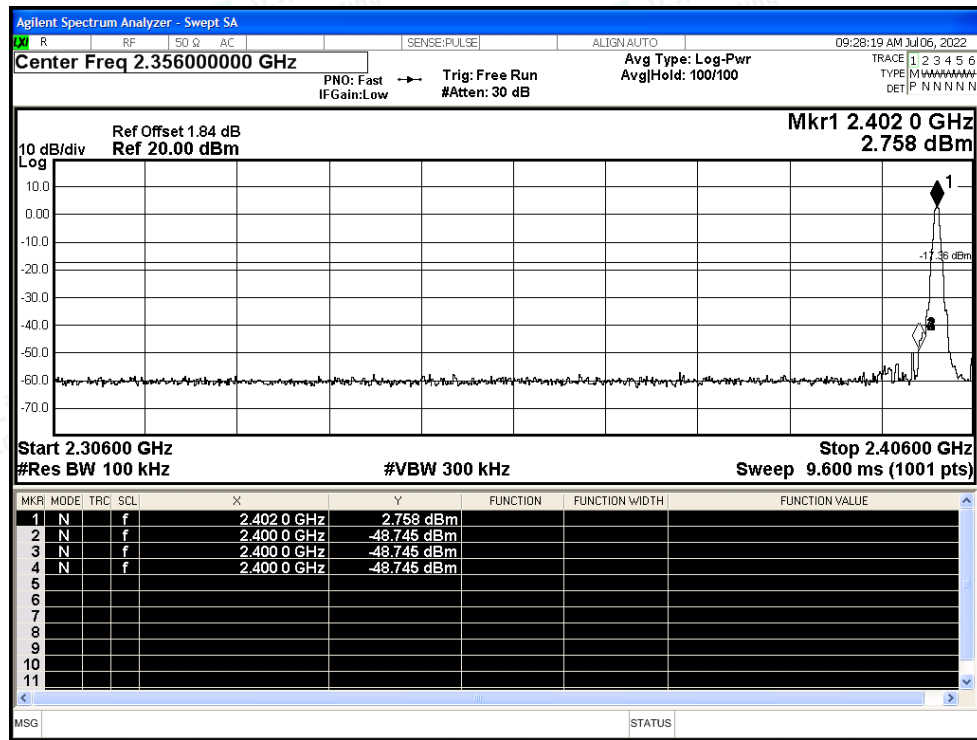


Test Graphs

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

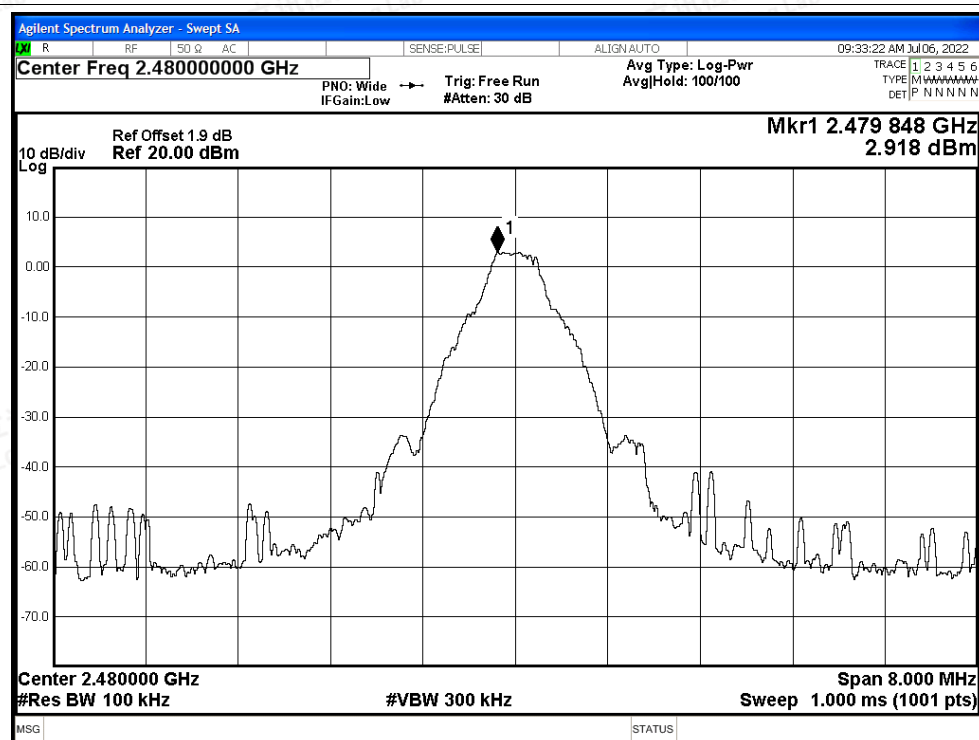


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

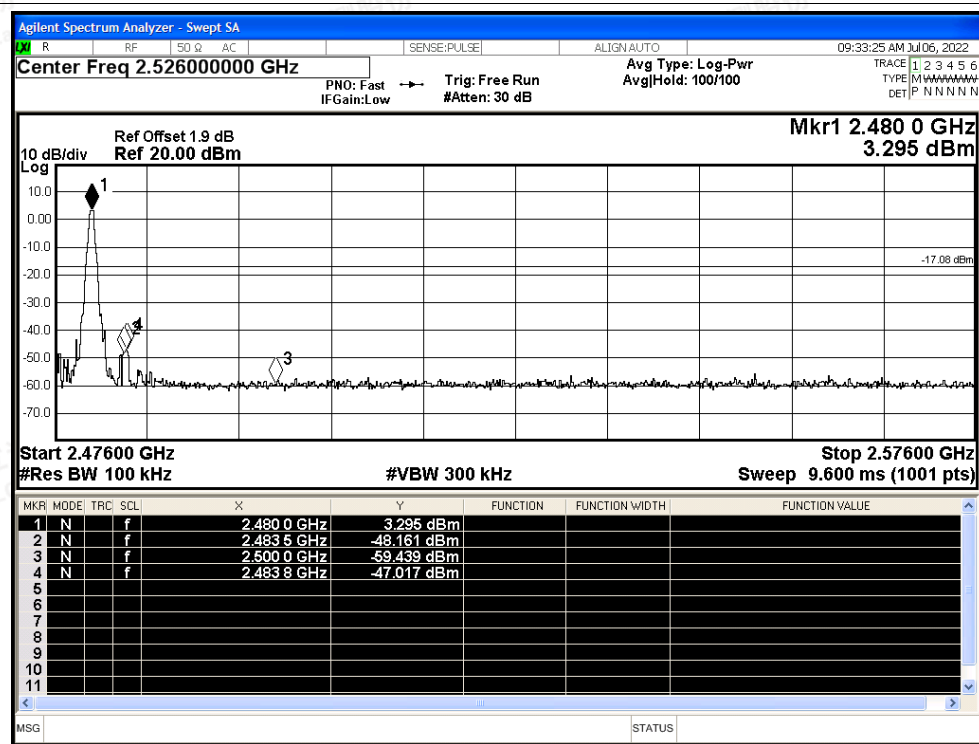




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

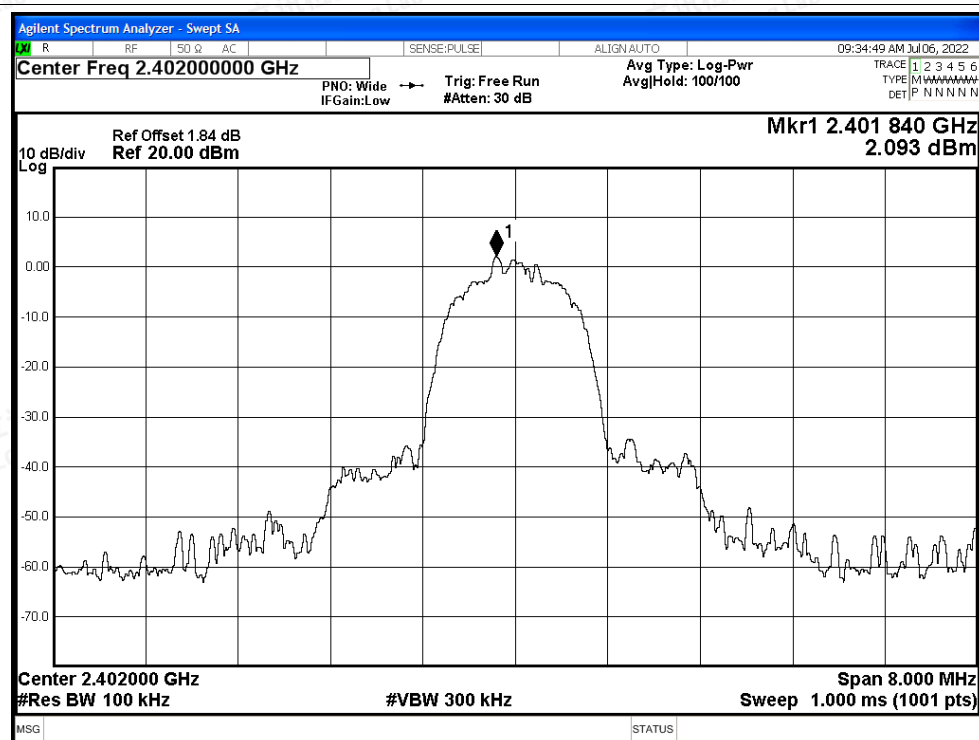


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

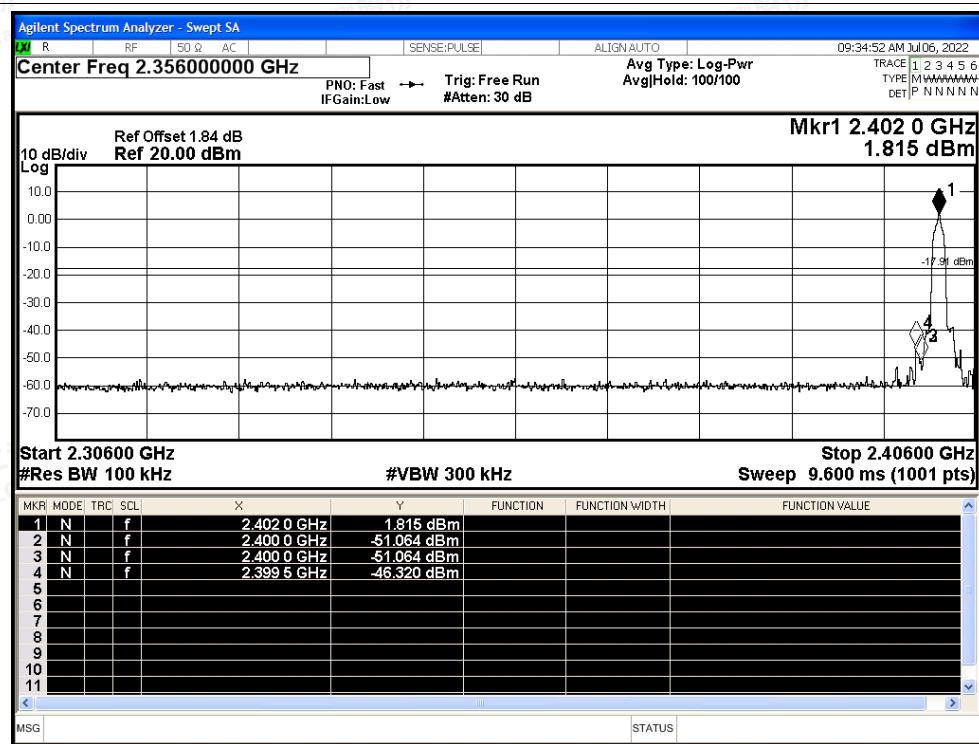




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

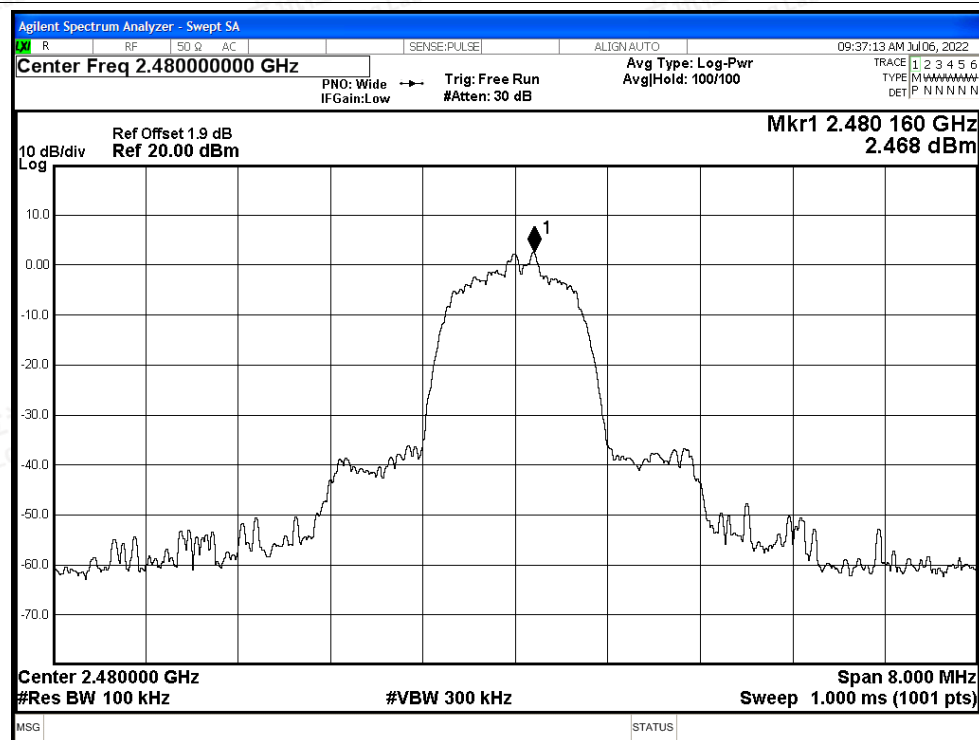


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

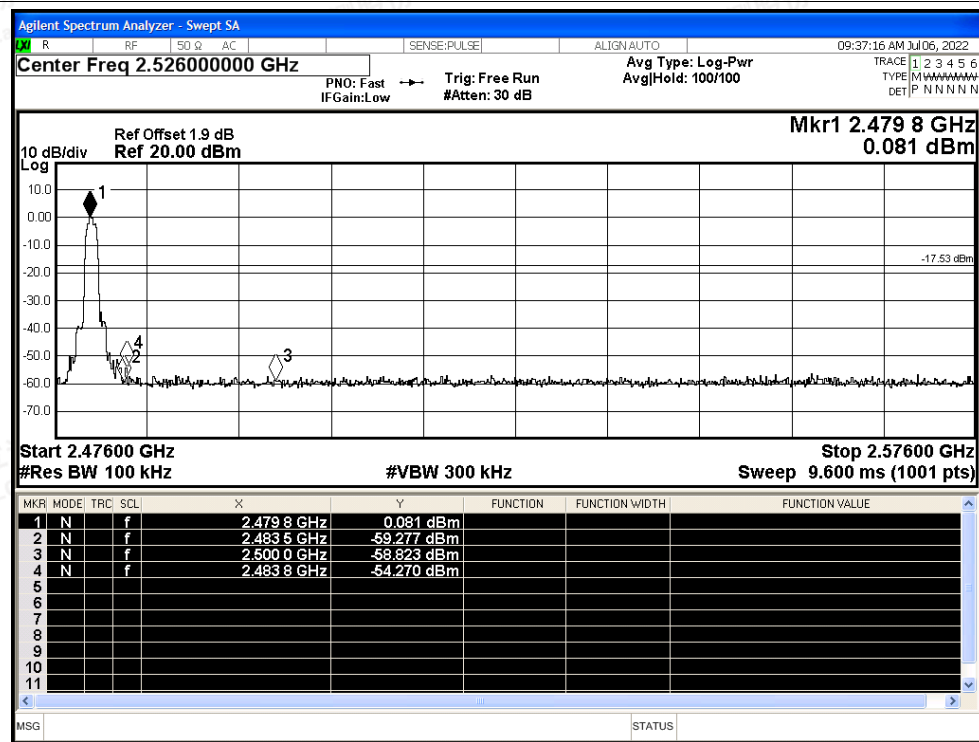




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



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



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(Hopping)

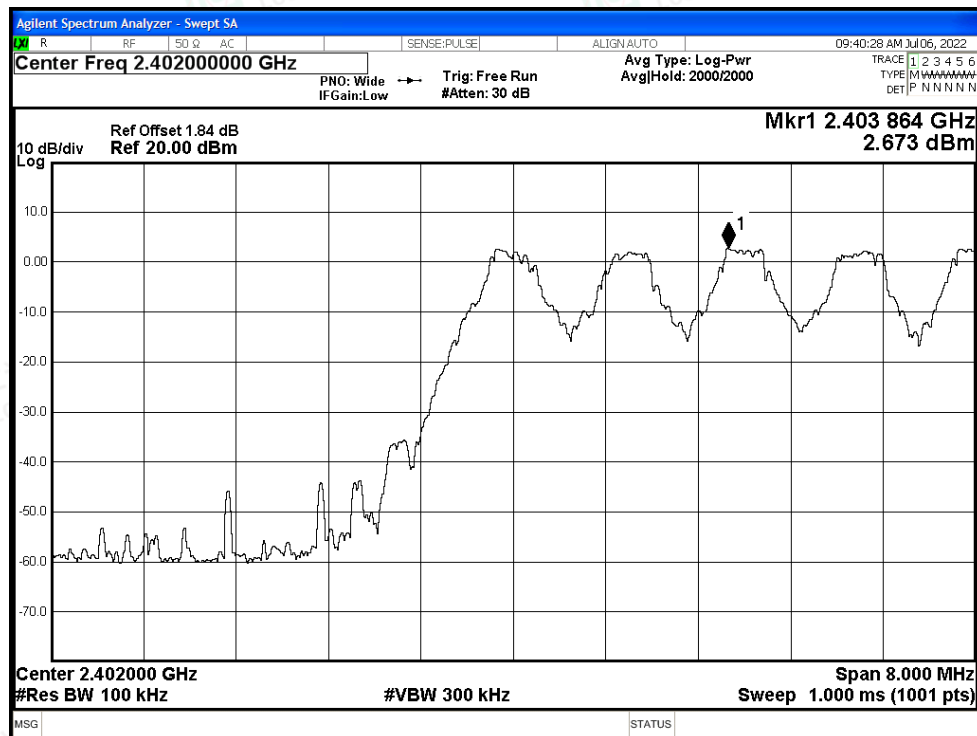
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-59.15	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-56.54	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.92	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-54.55	-20	Pass



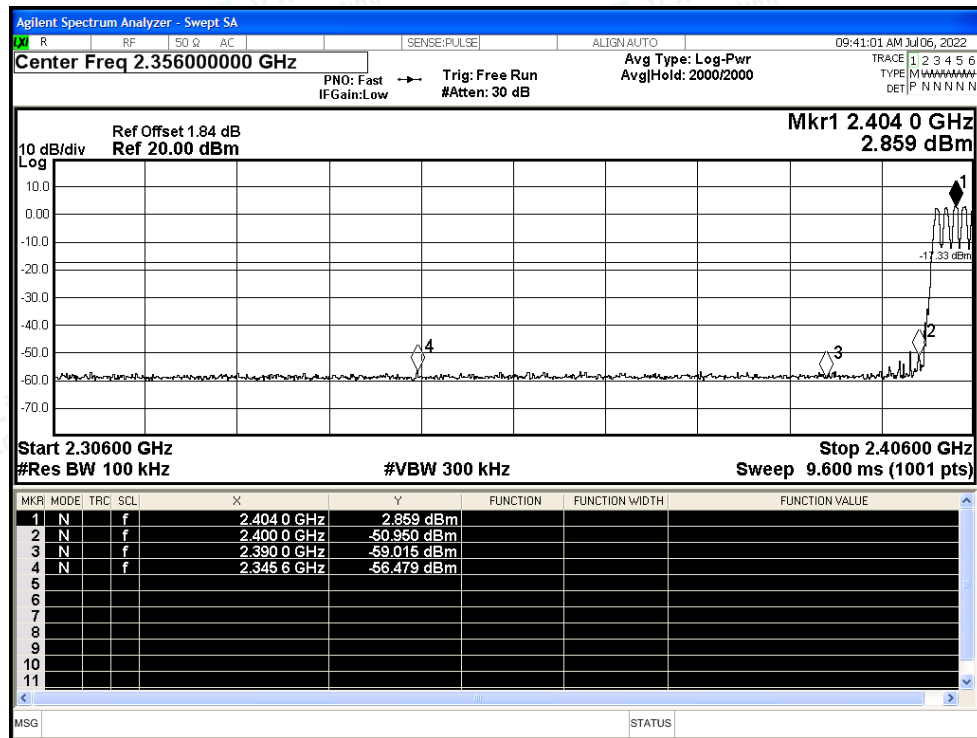


Test Graphs

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



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



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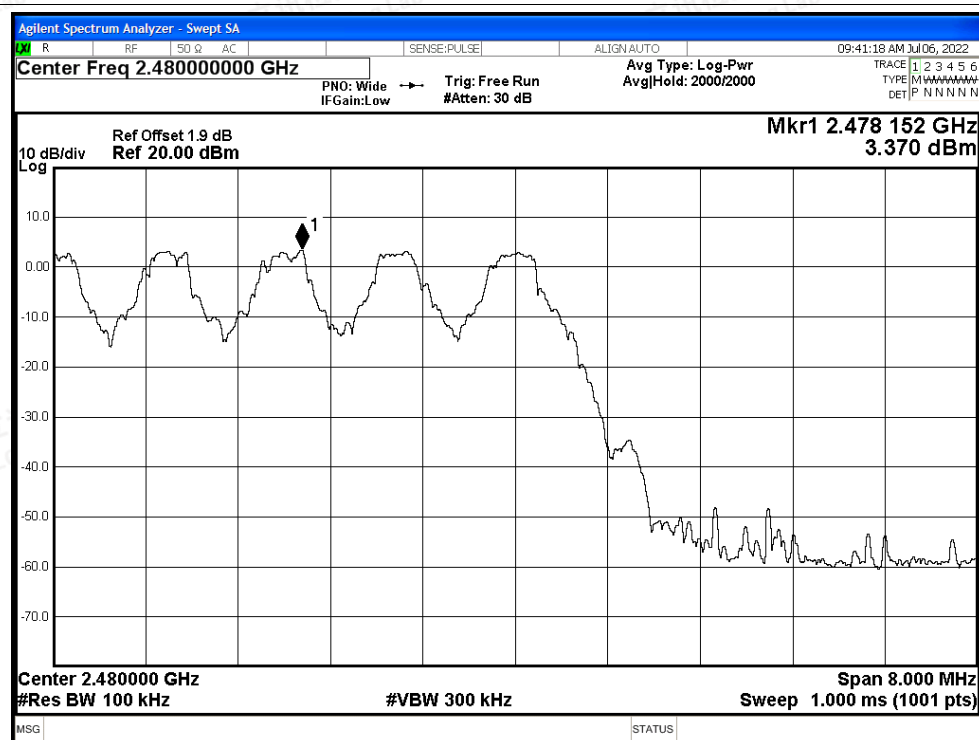
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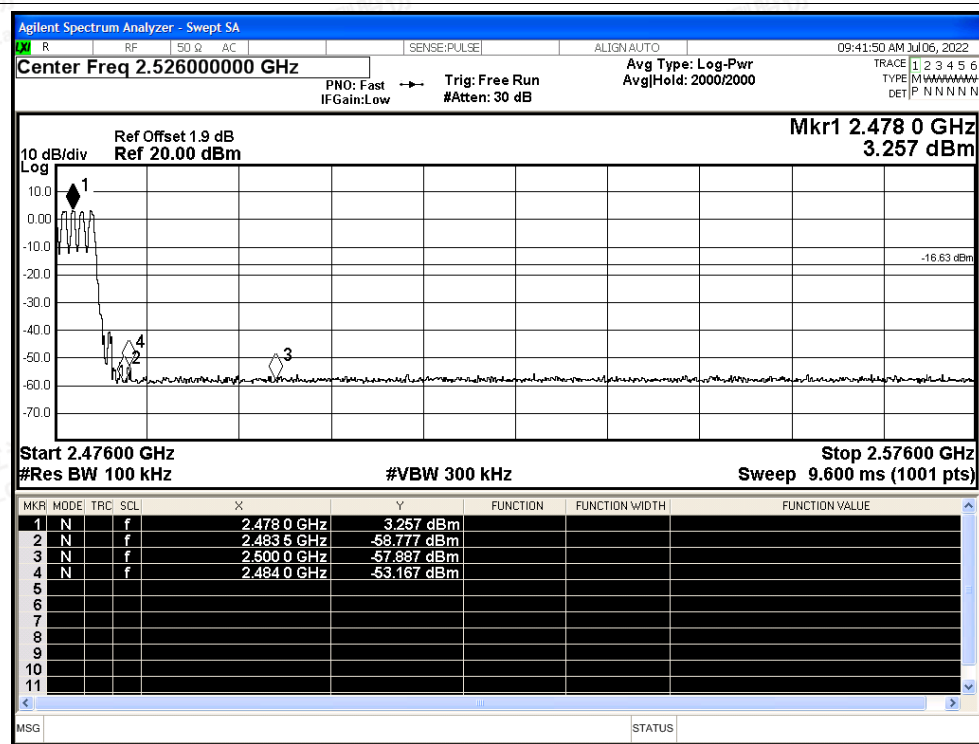
Scan code to check authenticity



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



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



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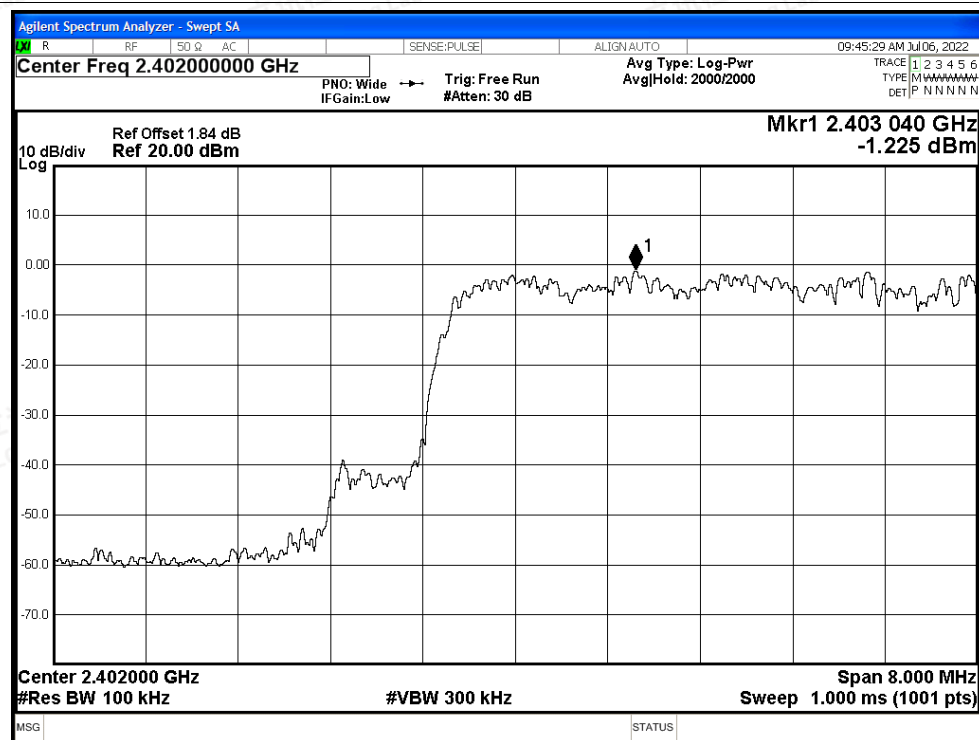
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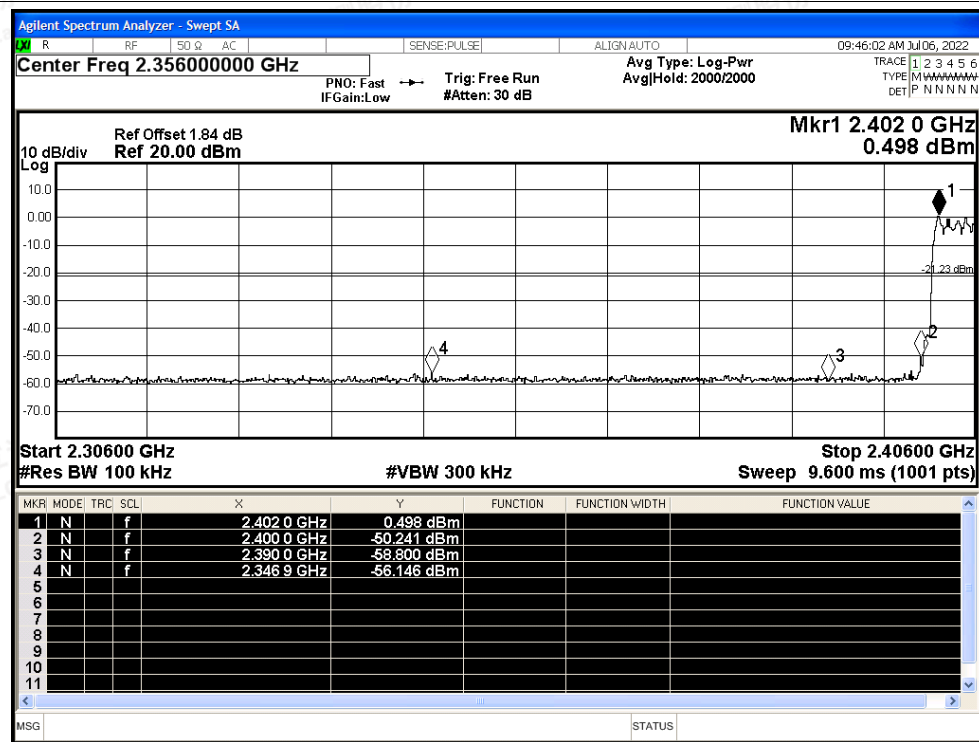
Scan code to check authenticity



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



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



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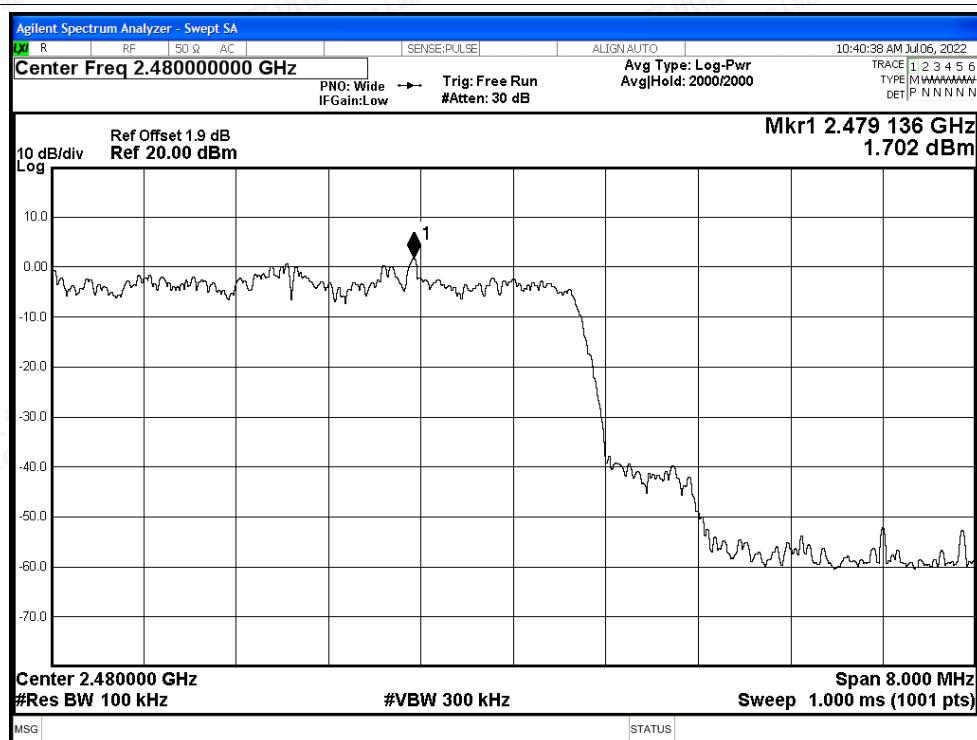
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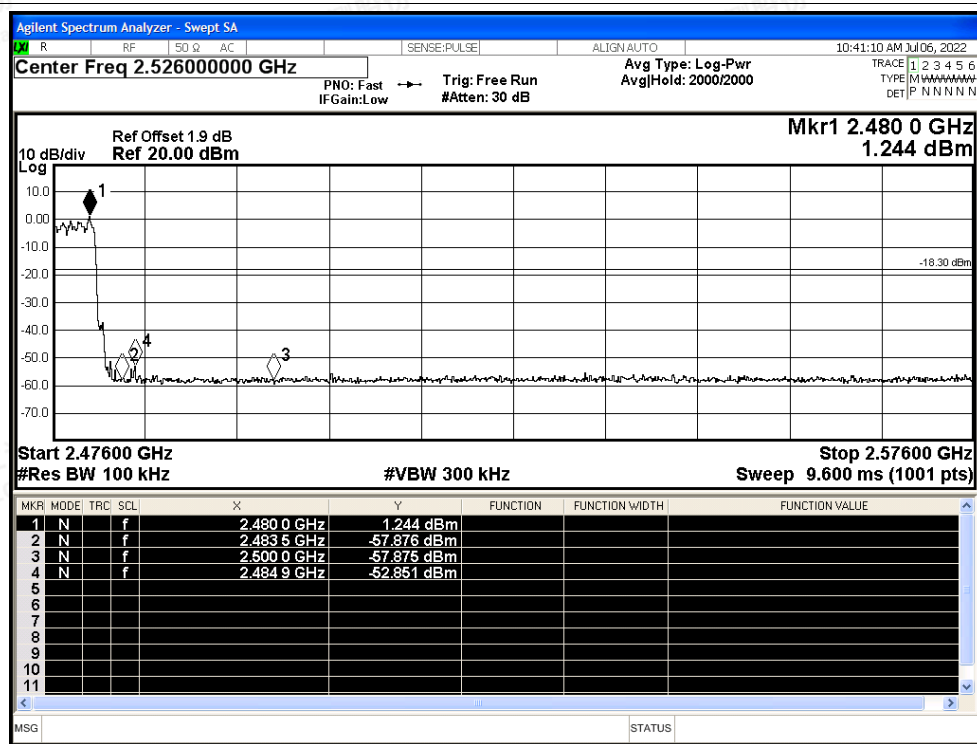
Scan code to check authenticity



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



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





A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-57.97	-20	Pass
NVNT	1-DH5	2441	Ant1	-58.95	-20	Pass
NVNT	1-DH5	2480	Ant1	-57.58	-20	Pass
NVNT	2-DH5	2402	Ant1	-56.28	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.01	-20	Pass
NVNT	2-DH5	2480	Ant1	-58.38	-20	Pass

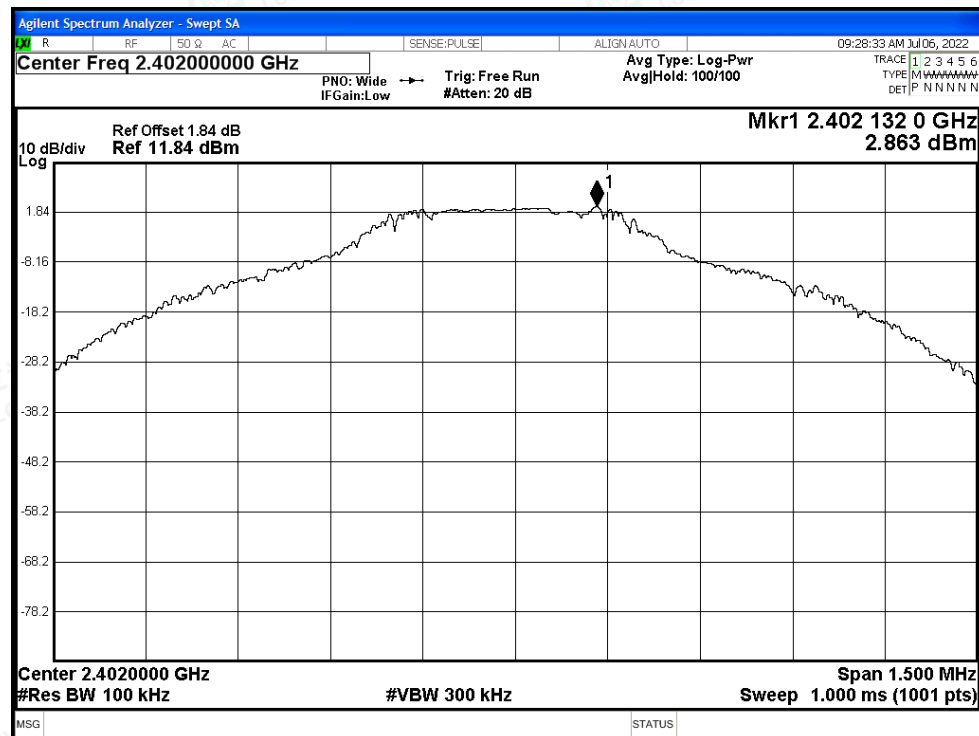


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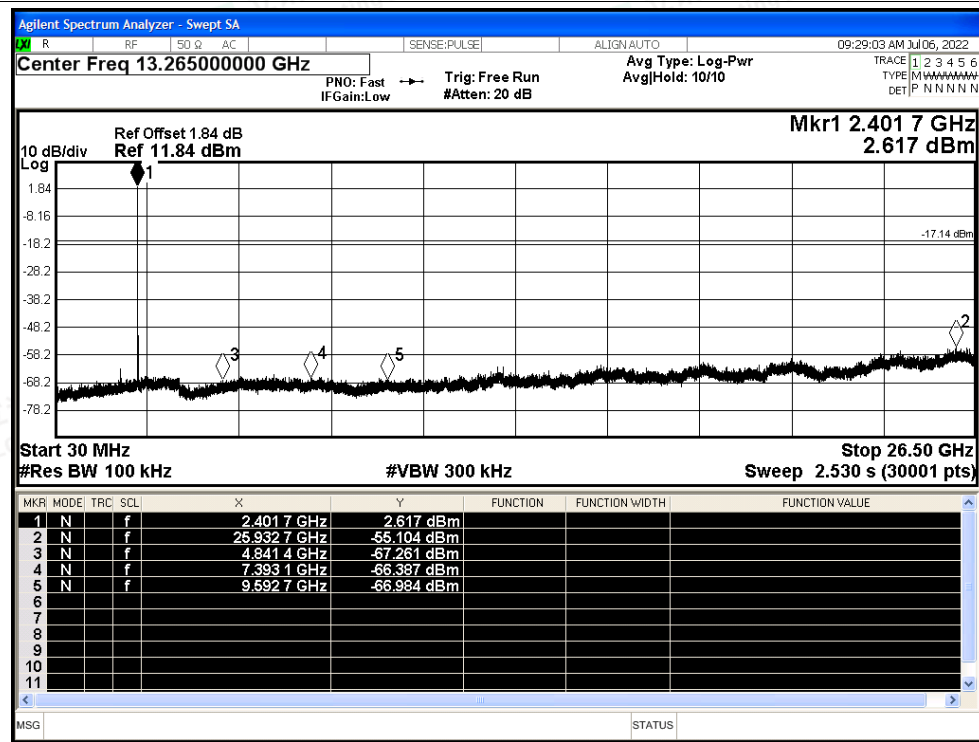


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

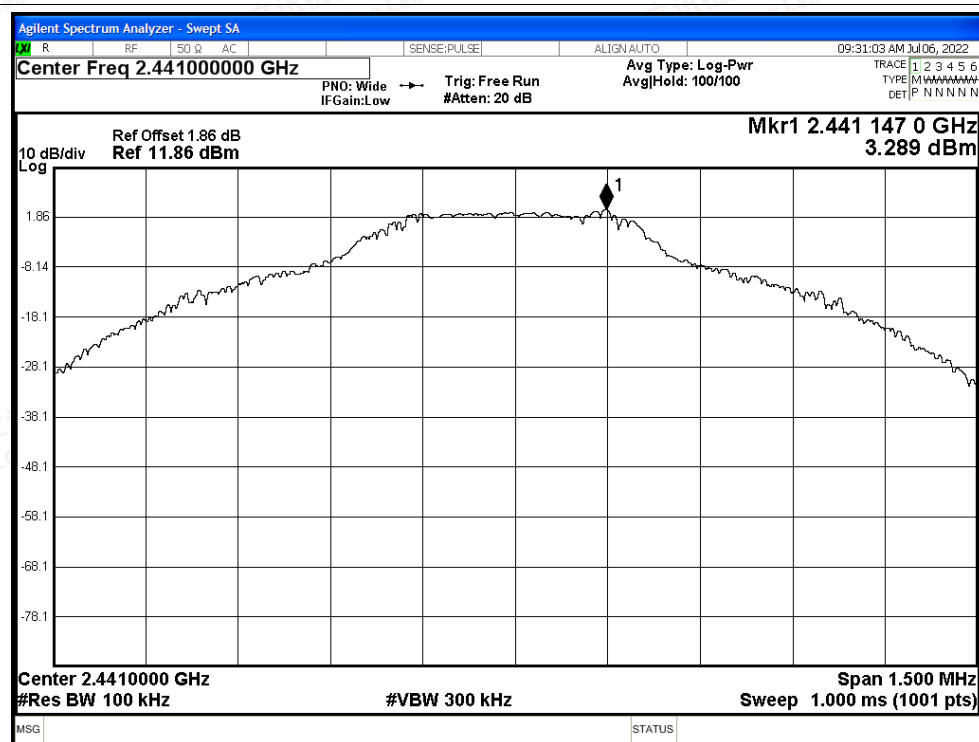


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

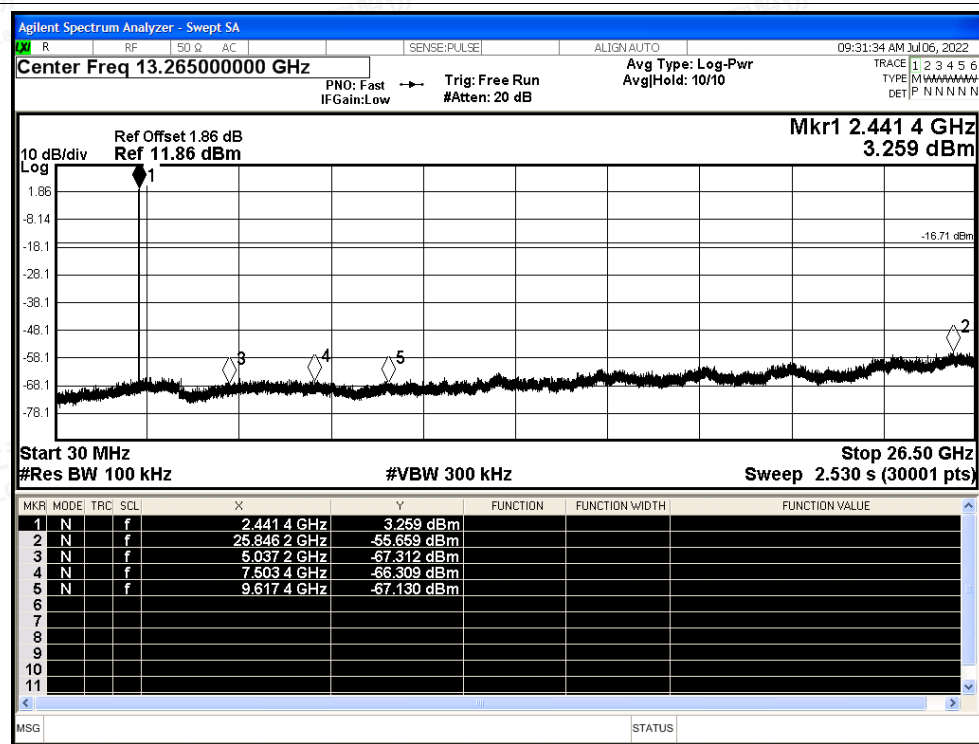




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

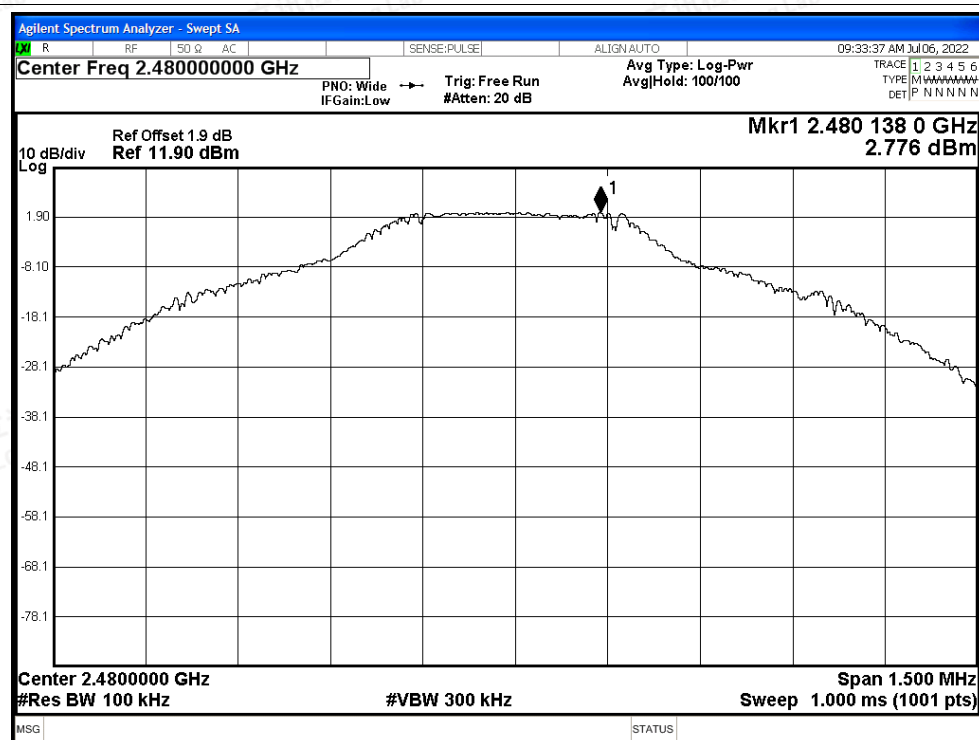


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

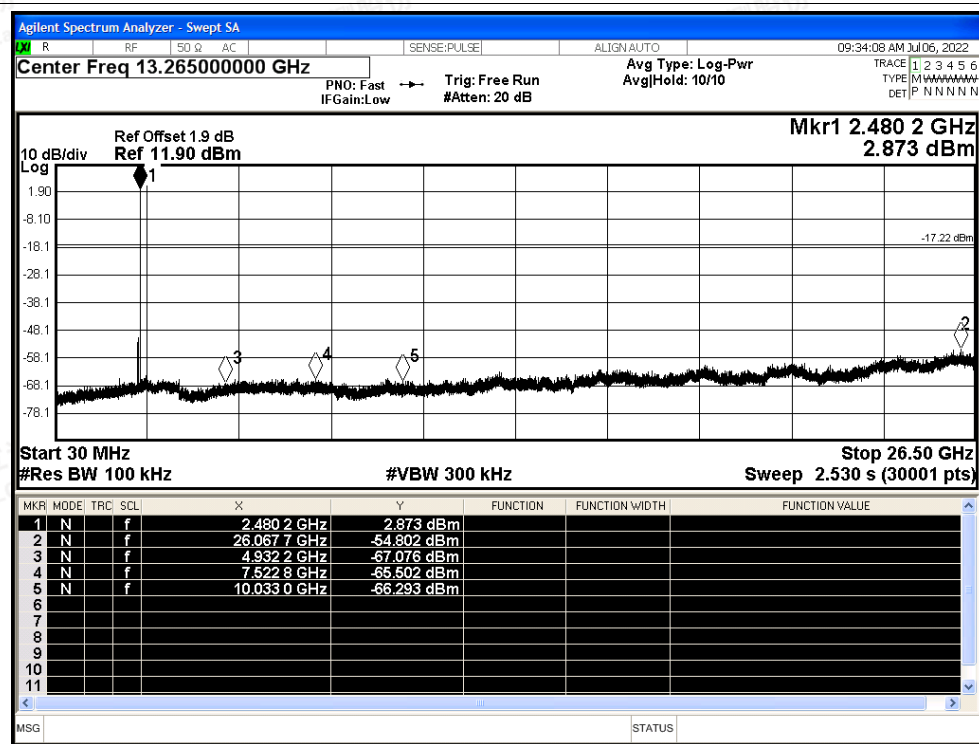




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

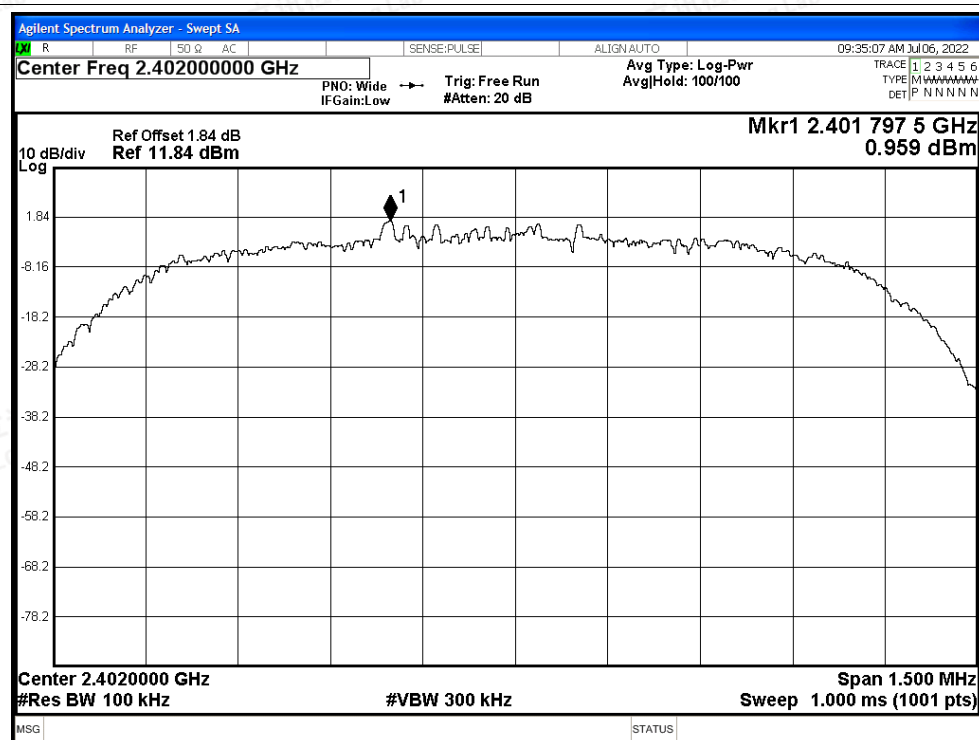


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

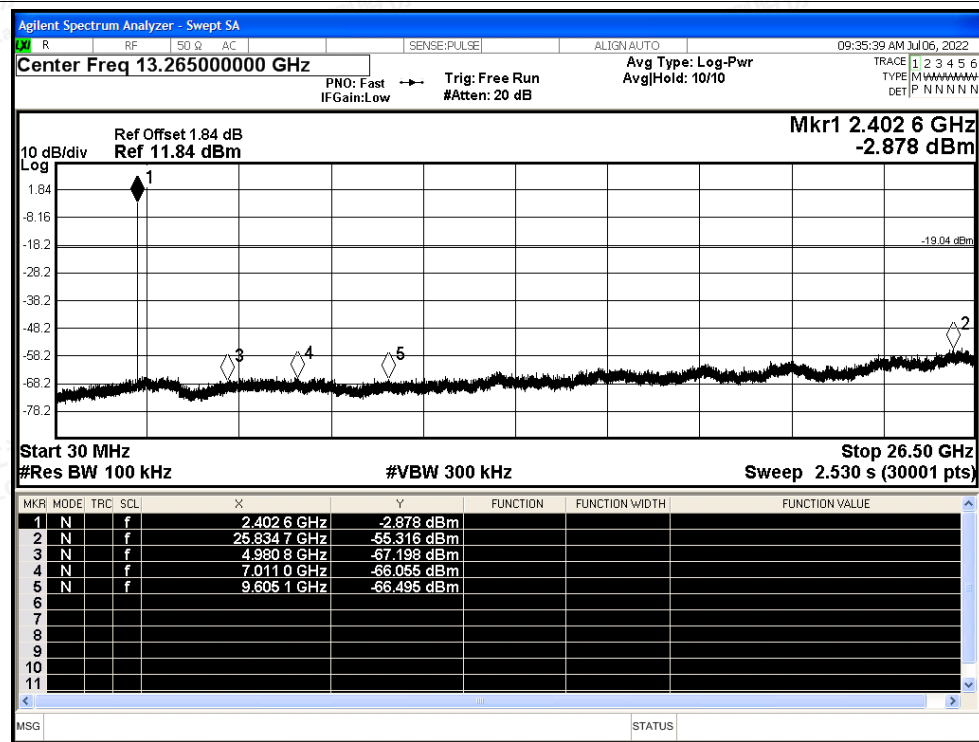




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

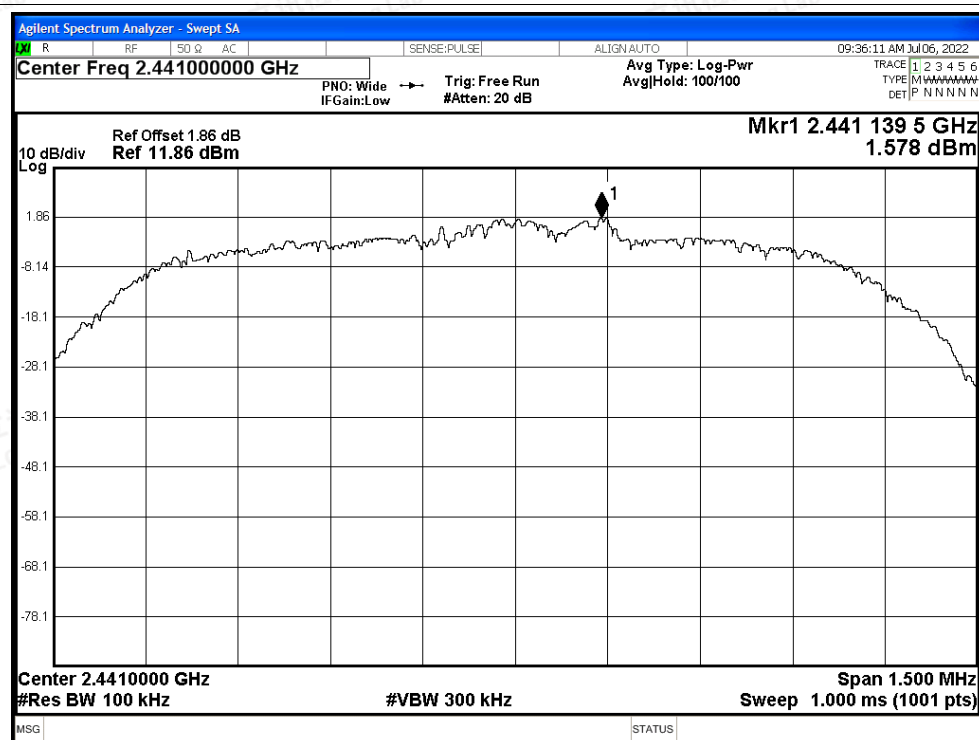


Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission

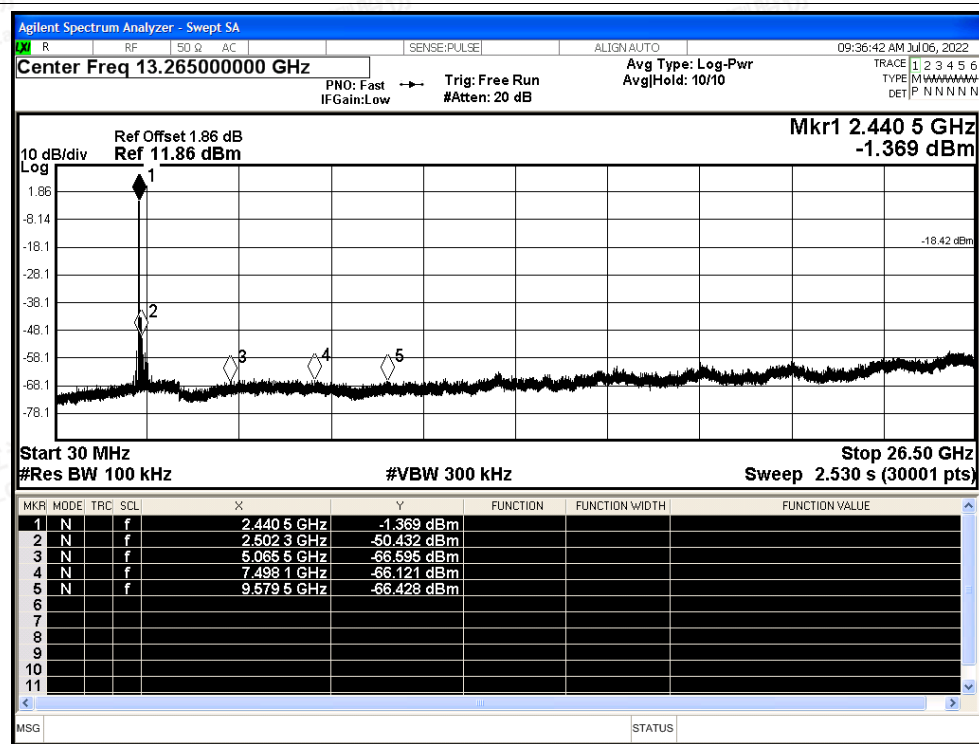




Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



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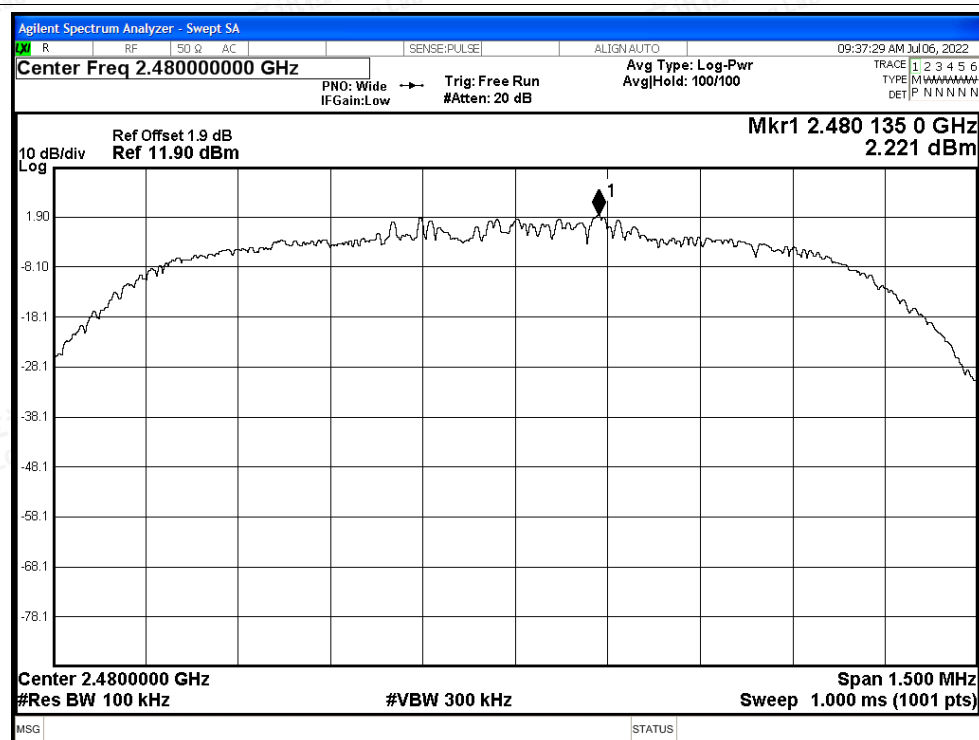
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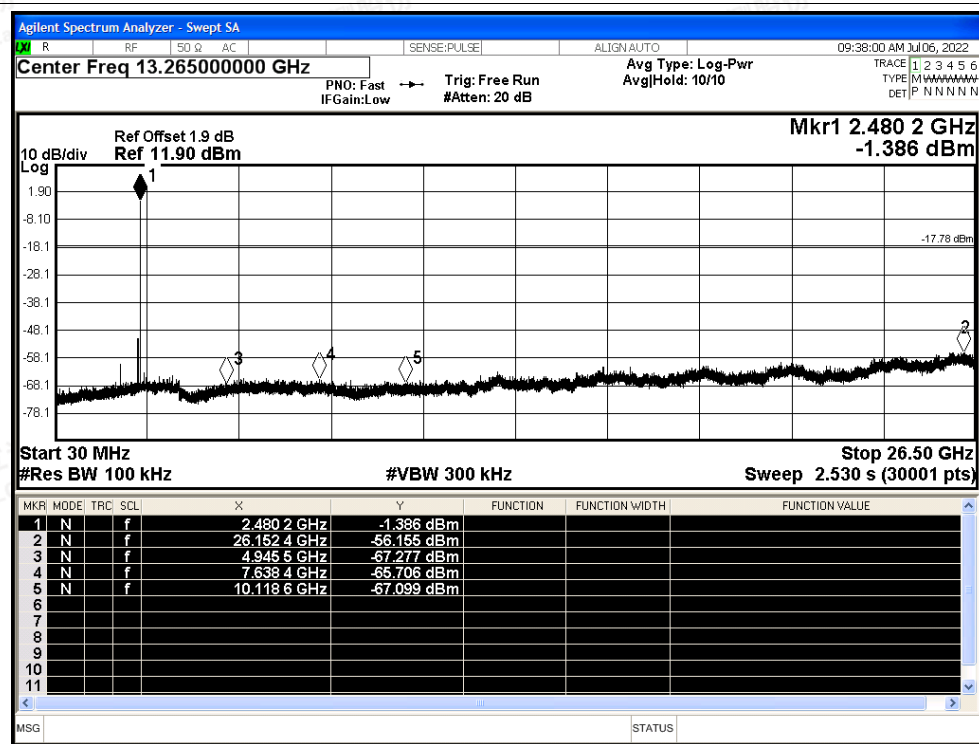
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Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



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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	-51.76	2	45.5	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.64	2	36.62	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2314.608	-47.36	2	49.9	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2377.296	-60.14	2	37.12	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.43	2	46.83	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-60.3	2	36.96	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-49.18	2	48.08	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-59.47	2	37.79	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.112	-31.19	2	66.07	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-59.47	2	37.79	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-47.6	2	49.66	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-60.05	2	37.21	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.38	2	46.88	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.61	2	36.65	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2379.984	-47.36	2	49.9	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2379.888	-60.14	2	37.12	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.42	2	46.84	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-60.32	2	36.94	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-35.53	2	61.73	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-59.29	2	37.97	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-35.53	2	61.73	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.584	-59.28	2	37.98	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.78	2	47.48	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-60.1	2	37.16	Average	54	Pass

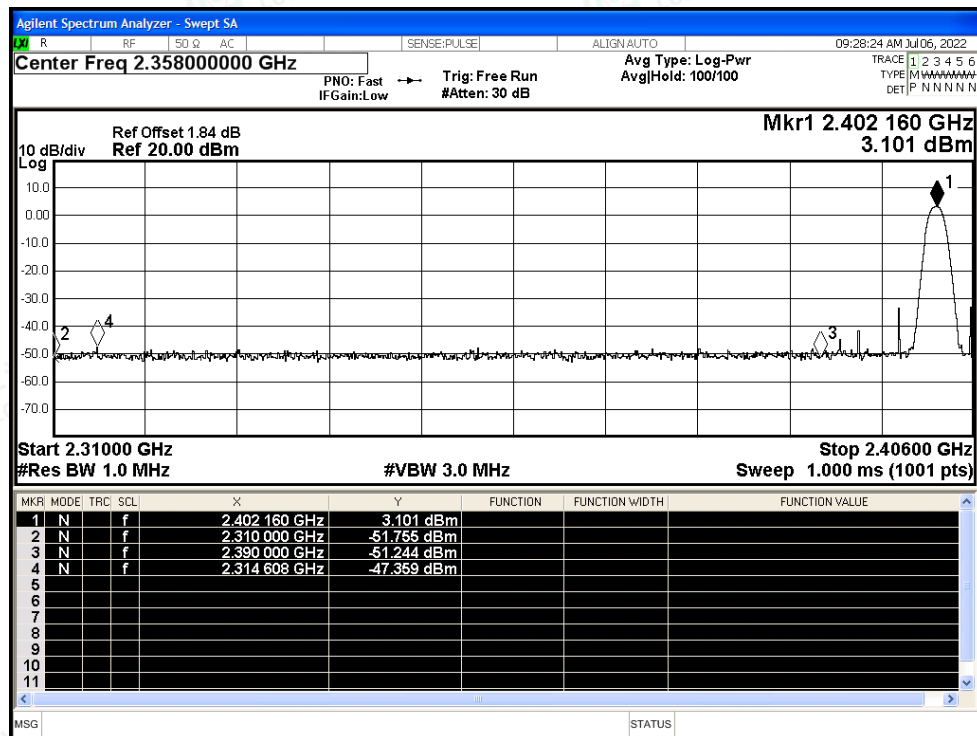


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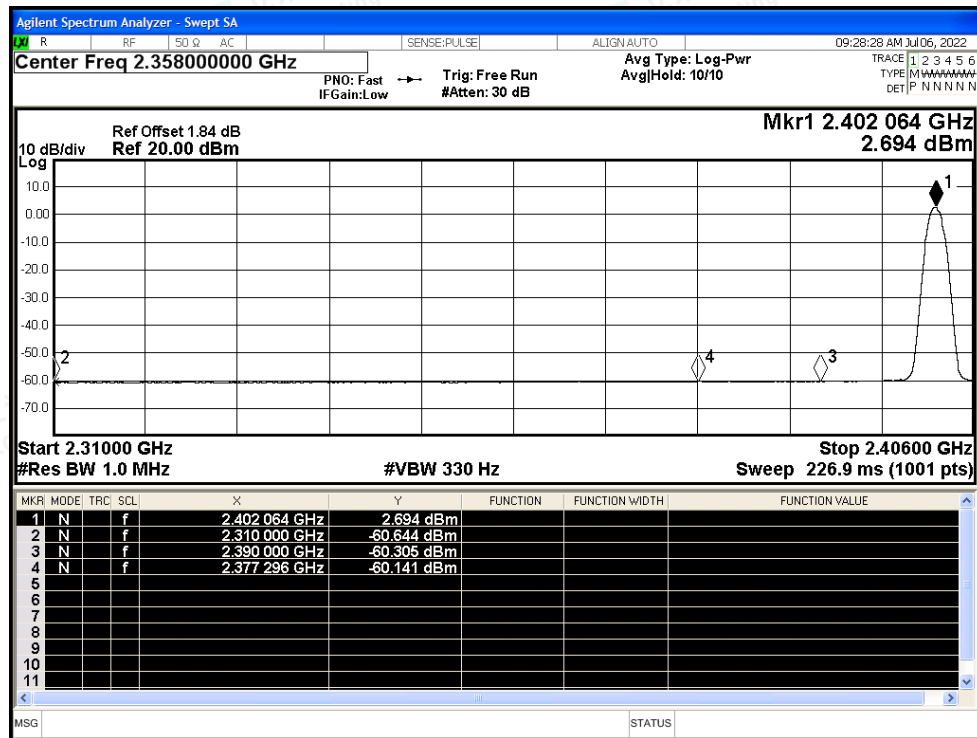


Test Graphs

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



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



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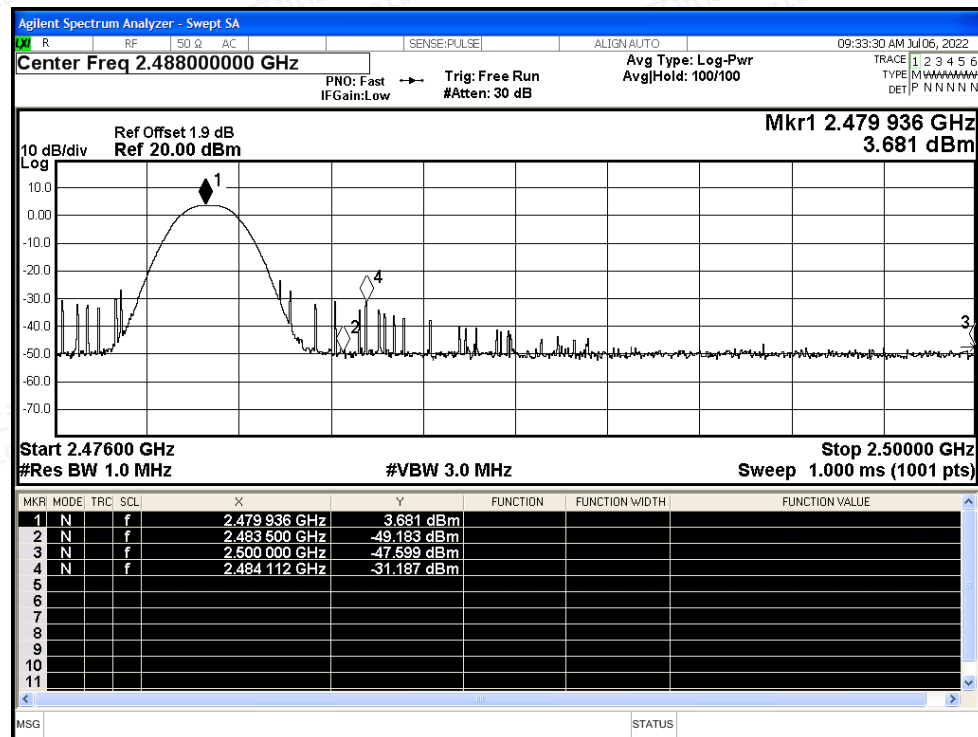
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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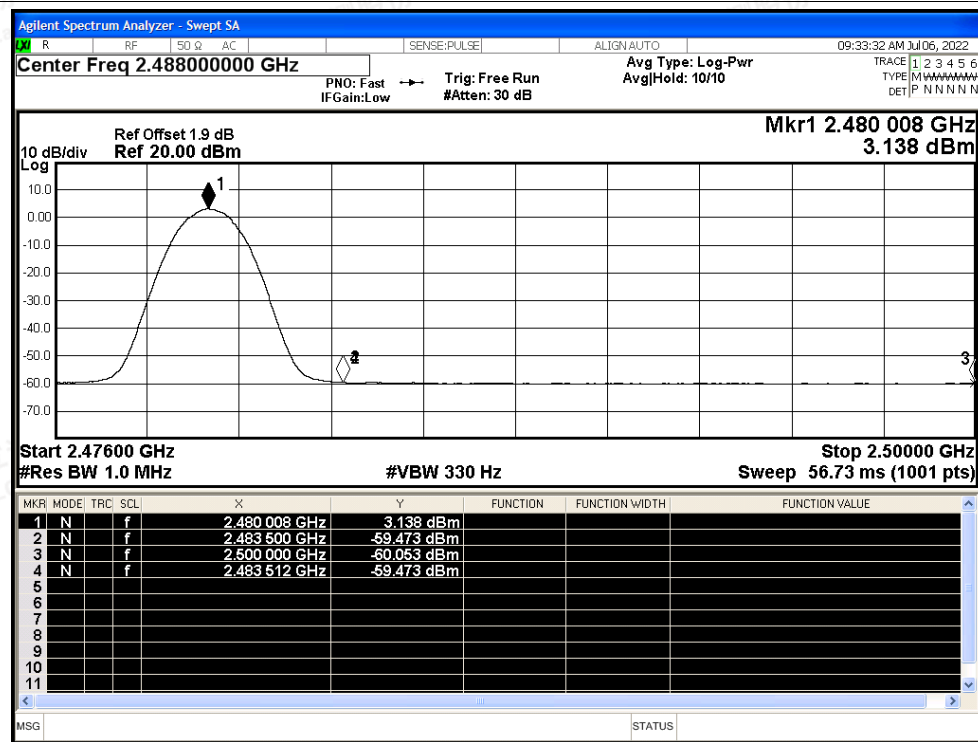
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Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

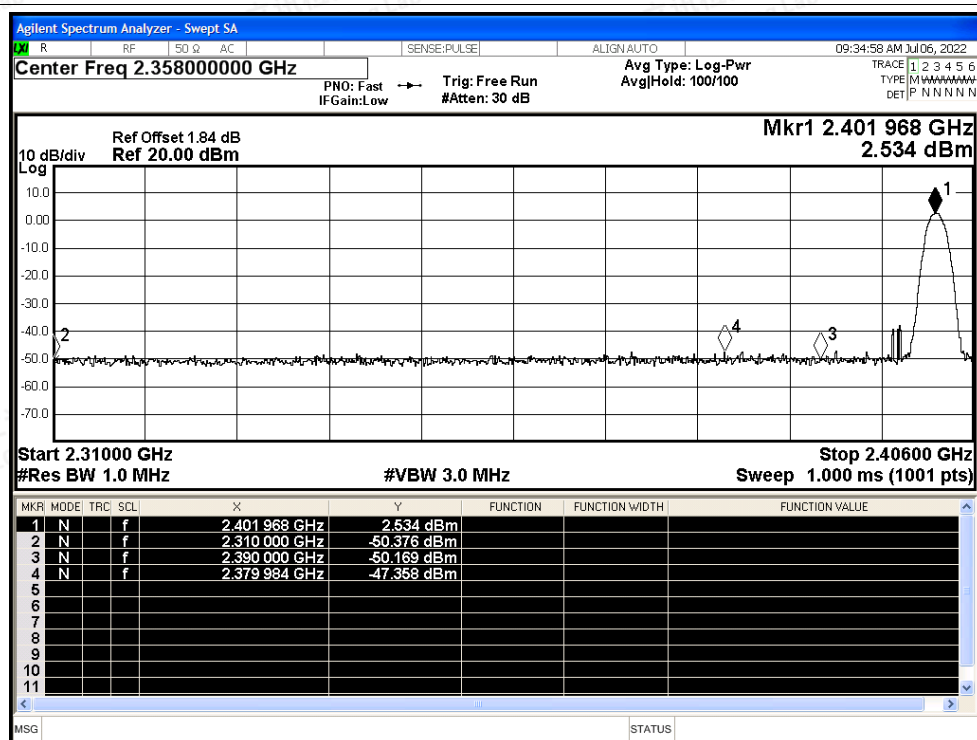


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

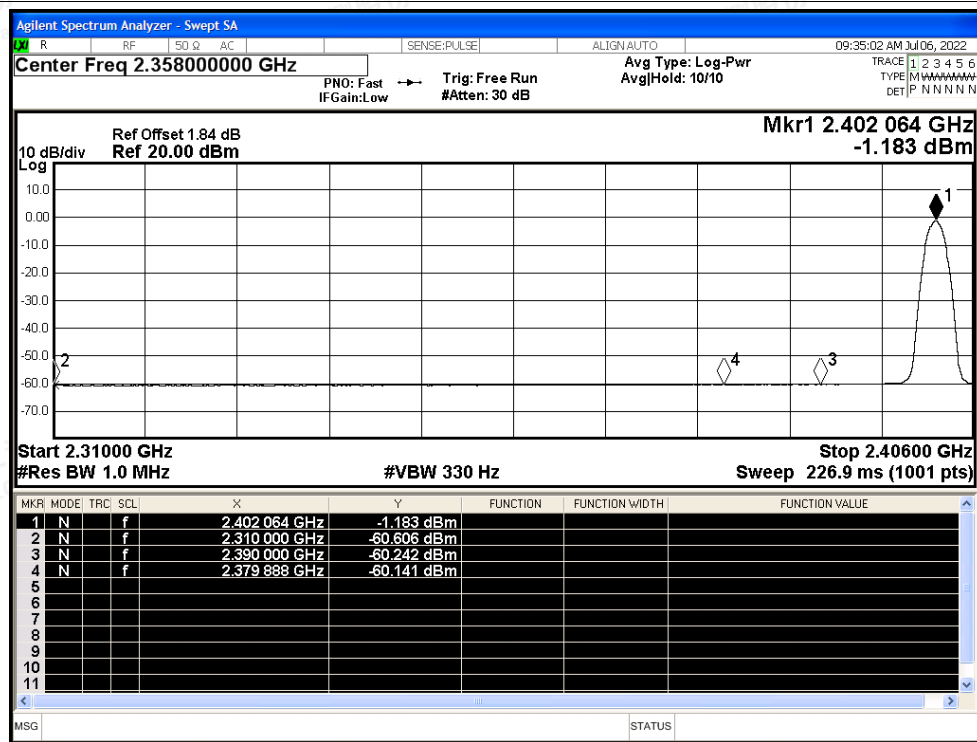




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

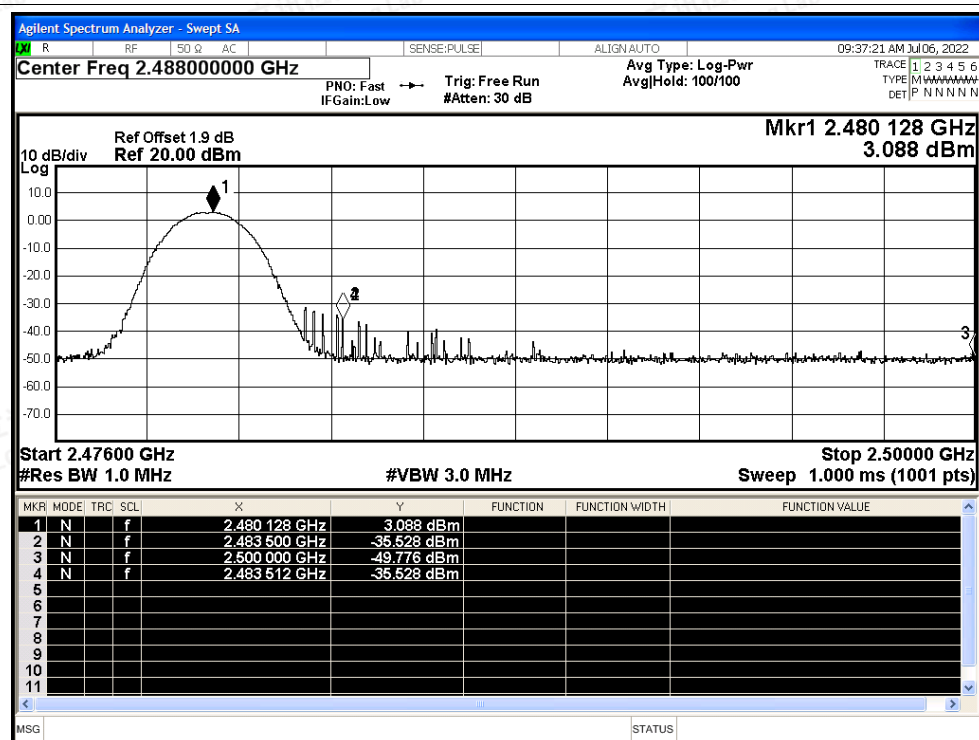


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

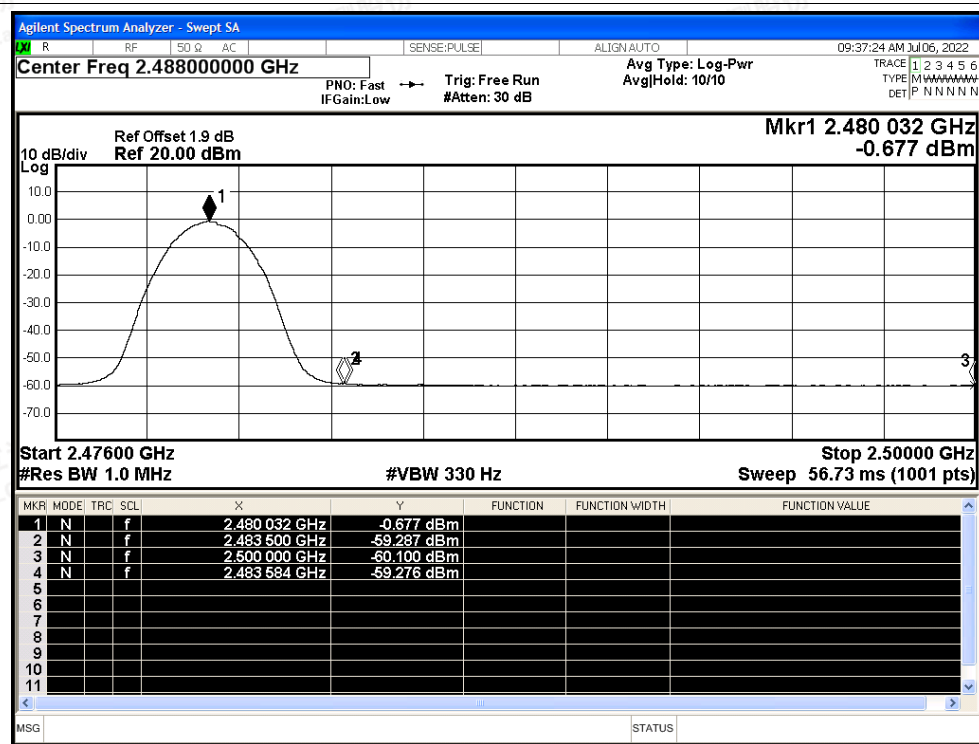




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak



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



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