



Appendix A

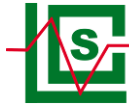
RF Test Data for BT (Conducted Measurement)

Product Name: soundbar

Test Model: B0117-00601BK

Environmental Conditions

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



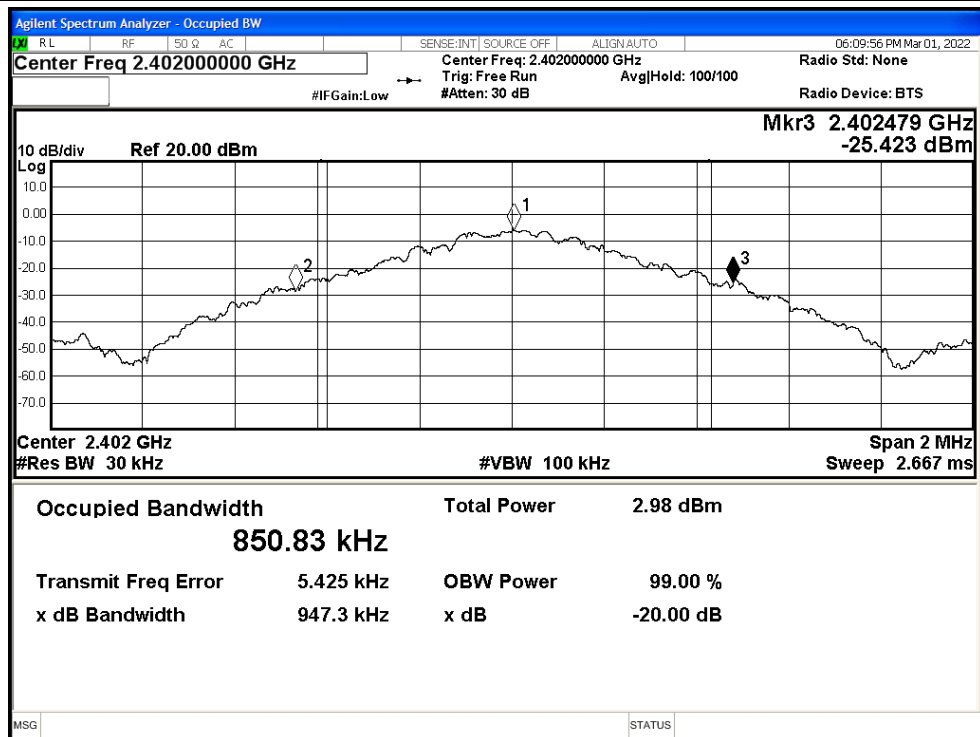
A.1 20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.947	No Limit	Pass
NVNT	1-DH5	2441	Ant1	0.942	No Limit	Pass
NVNT	1-DH5	2480	Ant1	0.945	No Limit	Pass
NVNT	2-DH5	2402	Ant1	1.312	No Limit	Pass
NVNT	2-DH5	2441	Ant1	1.309	No Limit	Pass
NVNT	2-DH5	2480	Ant1	1.321	No Limit	Pass
NVNT	3-DH5	2402	Ant1	1.296	No Limit	Pass
NVNT	3-DH5	2441	Ant1	1.297	No Limit	Pass
NVNT	3-DH5	2480	Ant1	1.294	No Limit	Pass

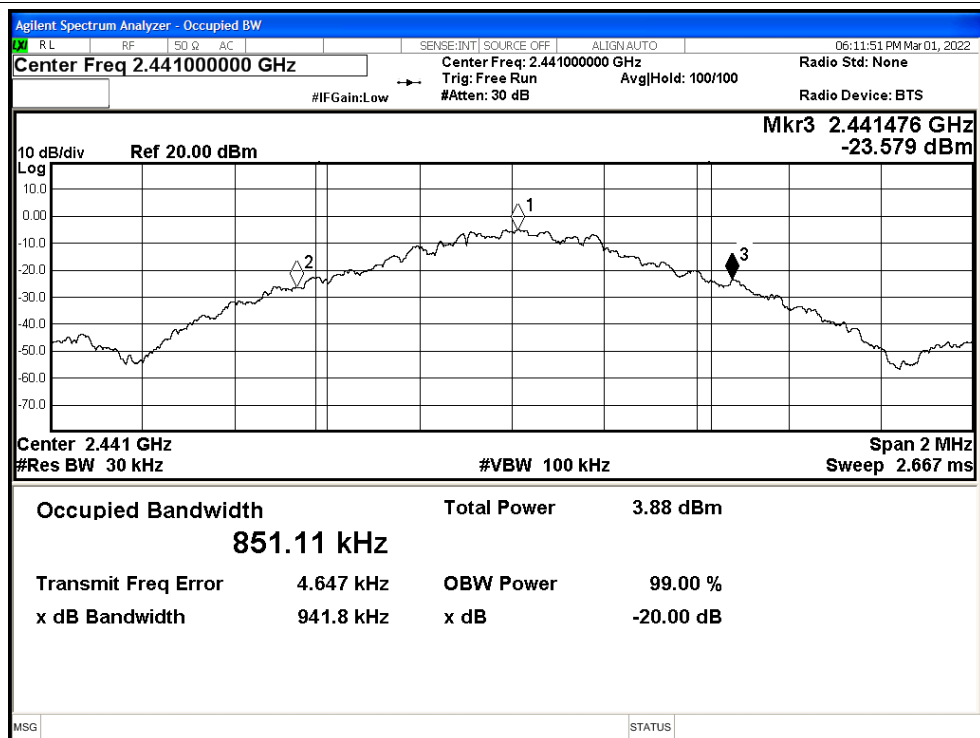


Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

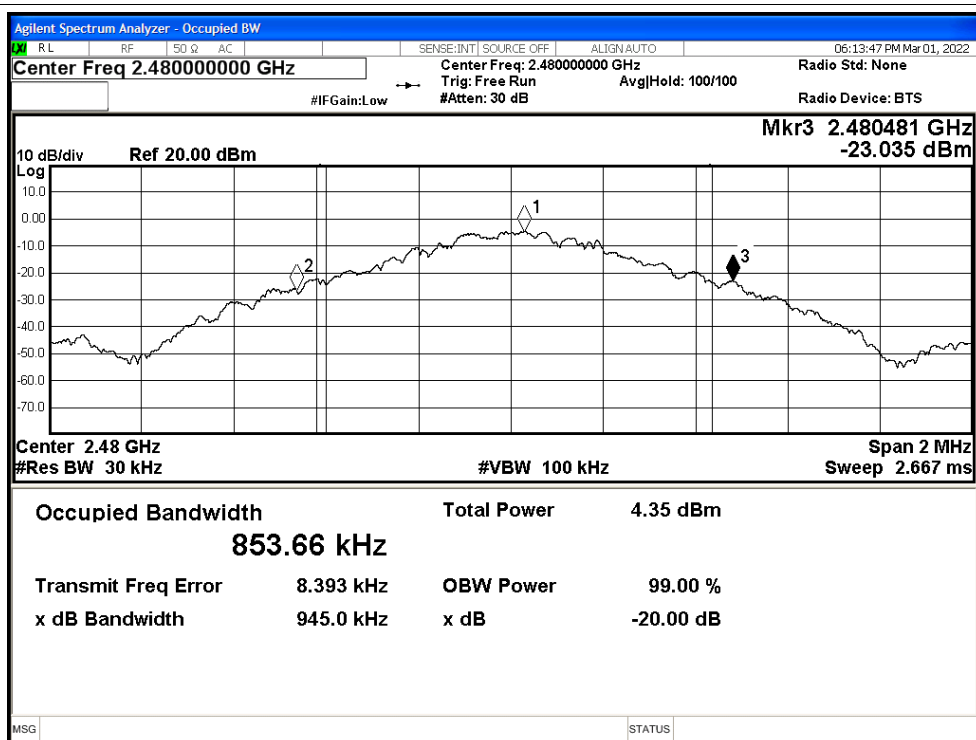


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

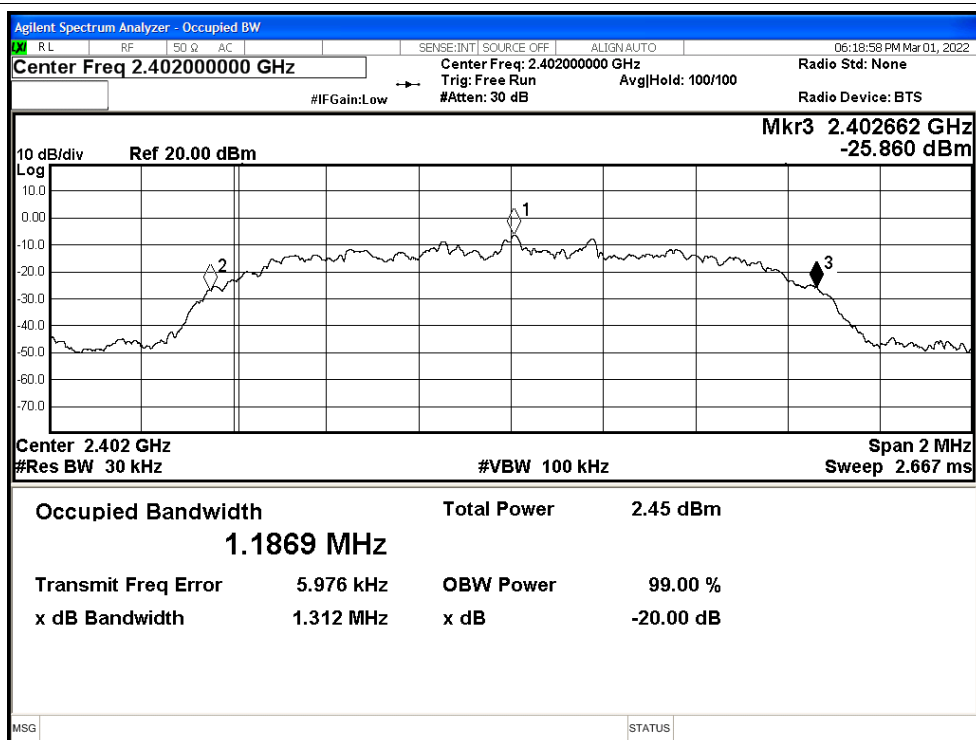




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

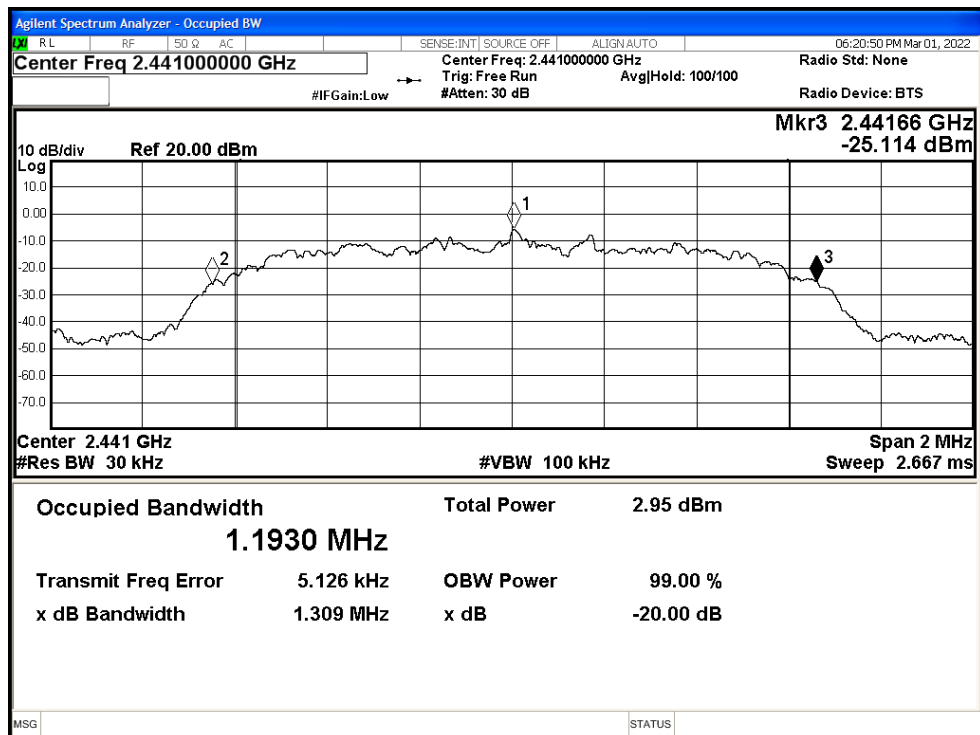


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

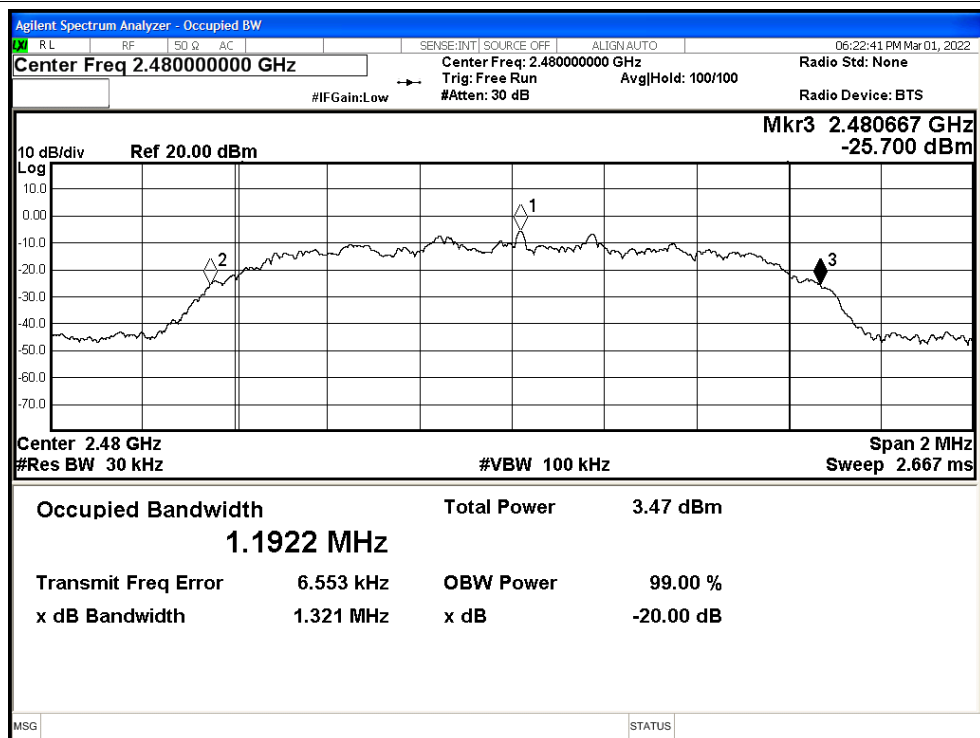




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

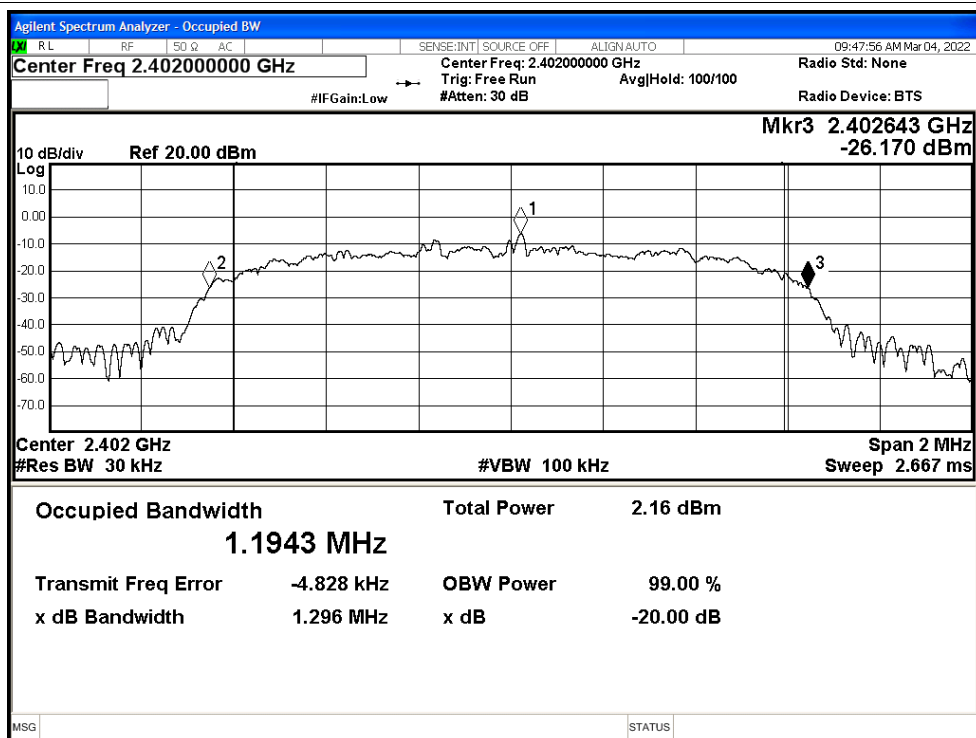


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

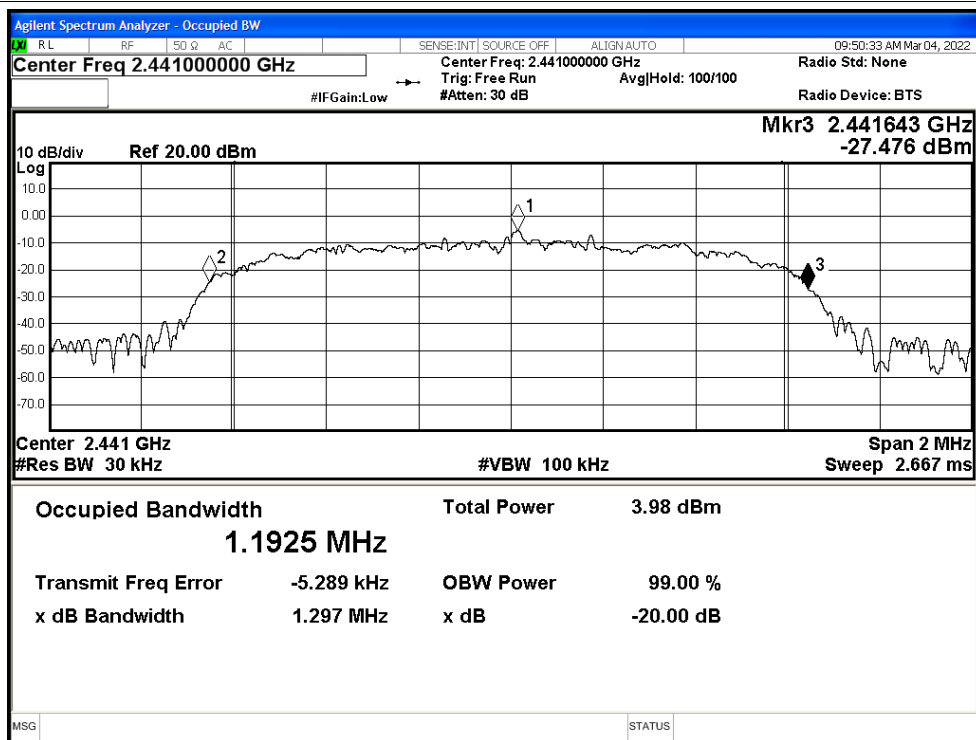




-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1

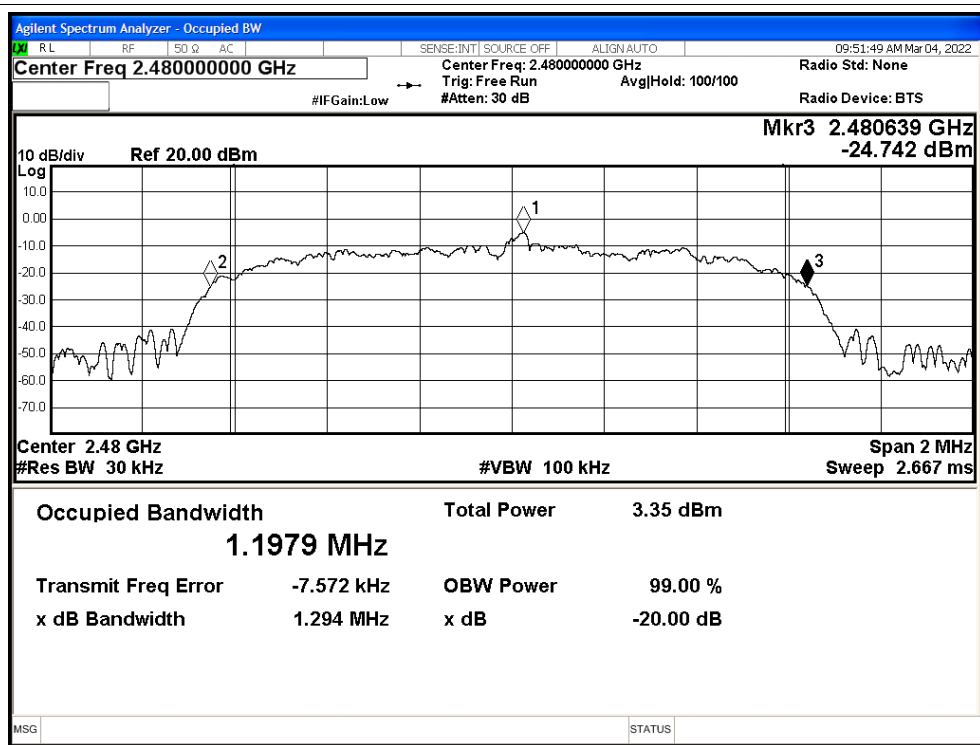


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1





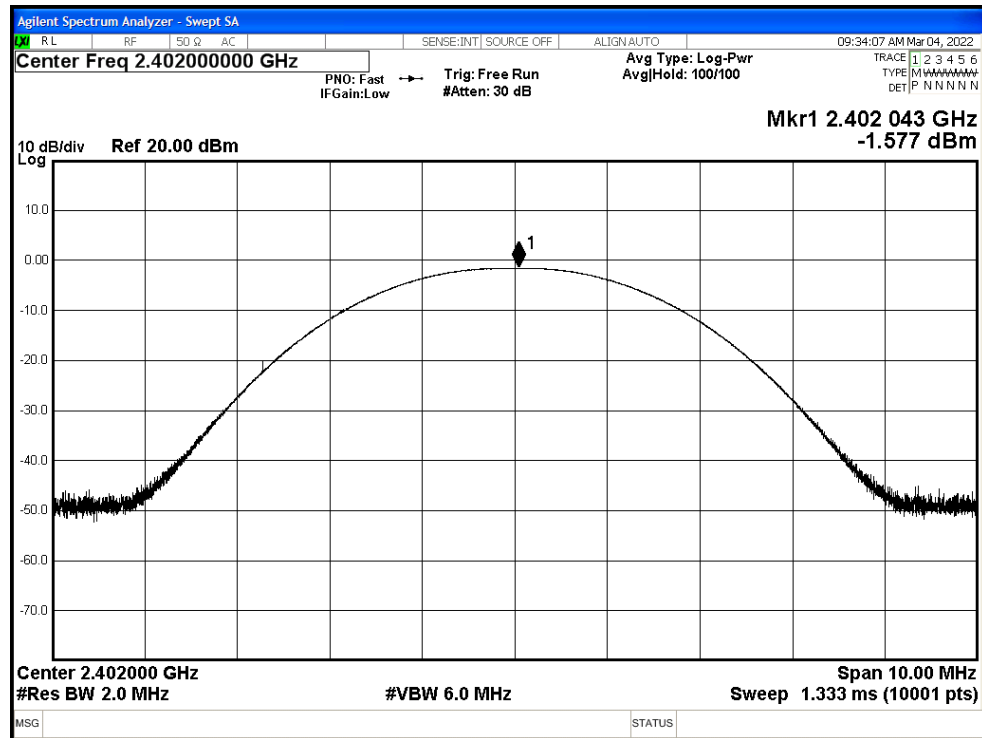
A.2 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.58	0	-1.58	21	Pass
NVNT	1-DH5	2441	Ant1	0.11	0	0.11	21	Pass
NVNT	1-DH5	2480	Ant1	-0.47	0	-0.47	21	Pass
NVNT	2-DH5	2402	Ant1	0.27	0	0.27	21	Pass
NVNT	2-DH5	2441	Ant1	-0.33	0	-0.33	21	Pass
NVNT	2-DH5	2480	Ant1	0.45	0	0.45	21	Pass
NVNT	3-DH5	2402	Ant1	-1.78	0	-1.78	21	Pass
NVNT	3-DH5	2441	Ant1	0.09	0	0.09	21	Pass
NVNT	3-DH5	2480	Ant1	-0.63	0	-0.63	21	Pass

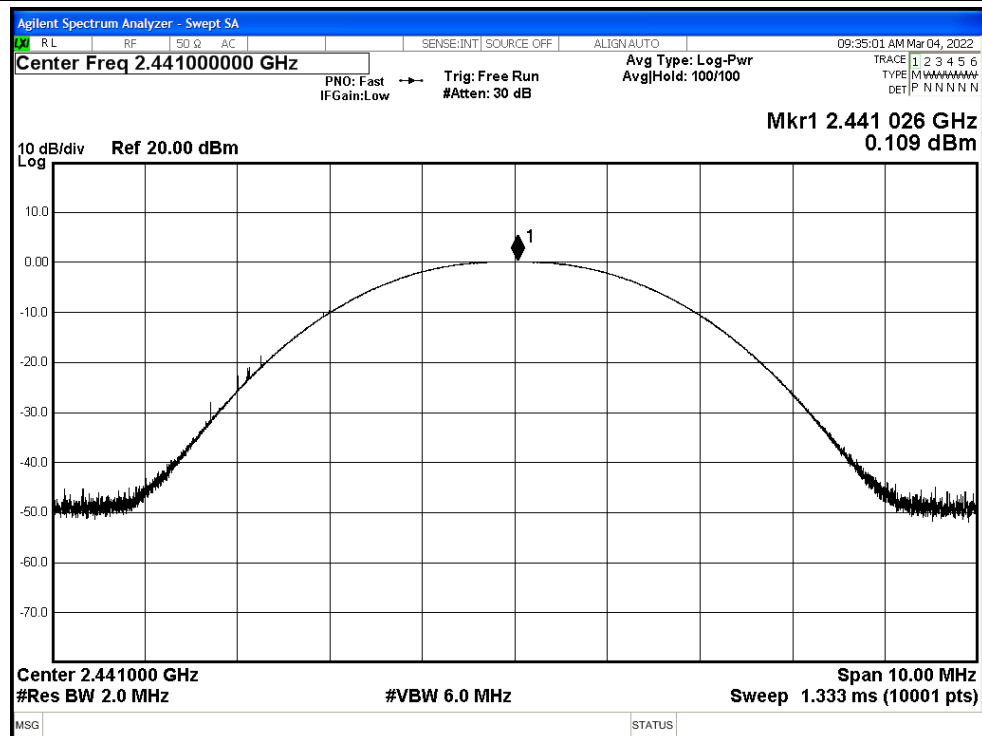


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

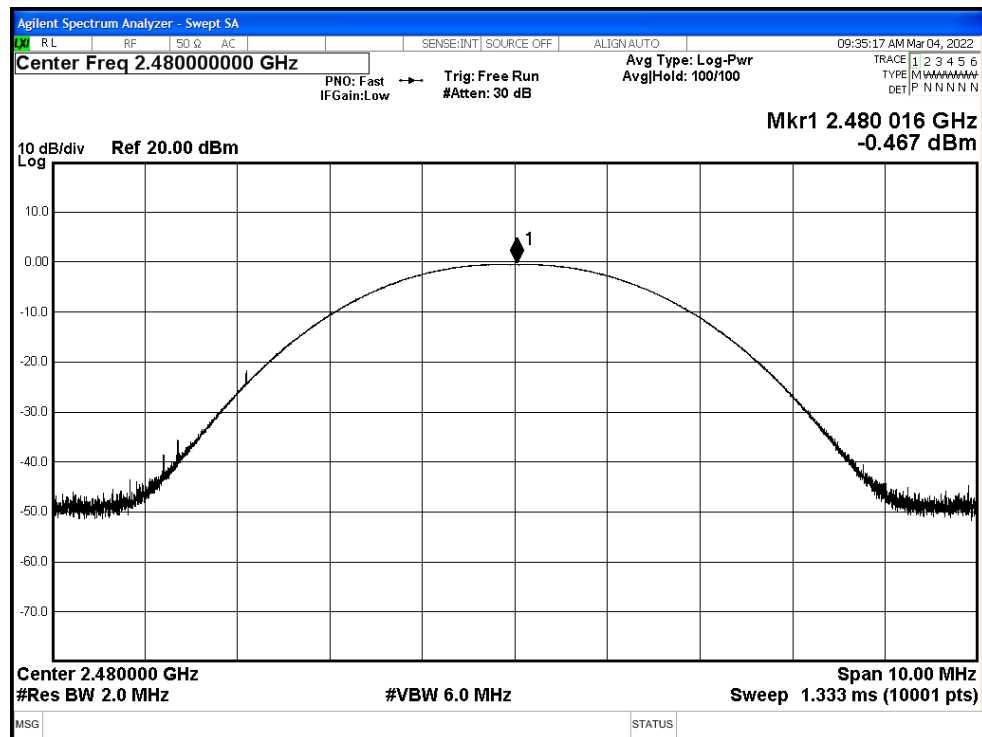


Power NVNT 1-DH5 2441MHz Ant1

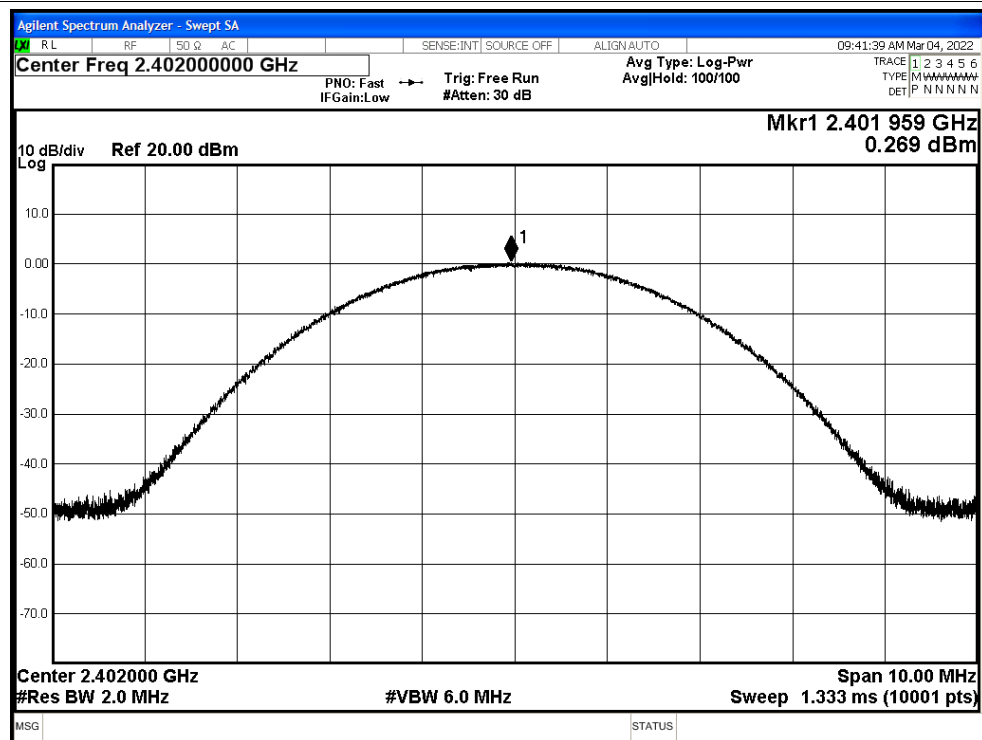




Power NVNT 1-DH5 2480MHz Ant1

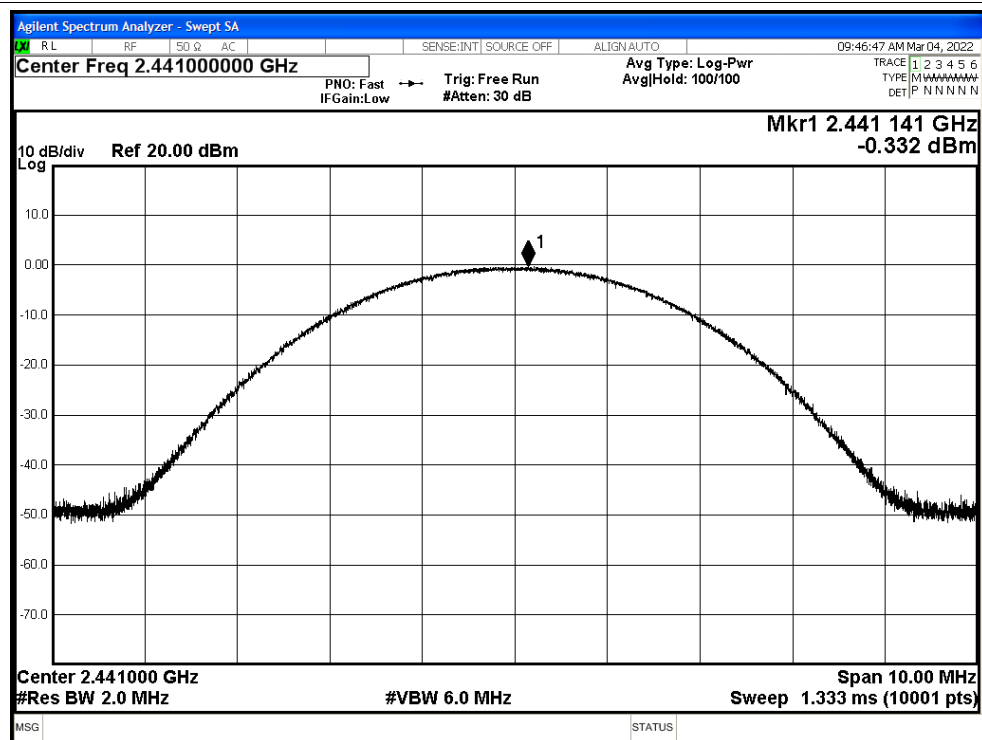


Power NVNT 2-DH5 2402MHz Ant1

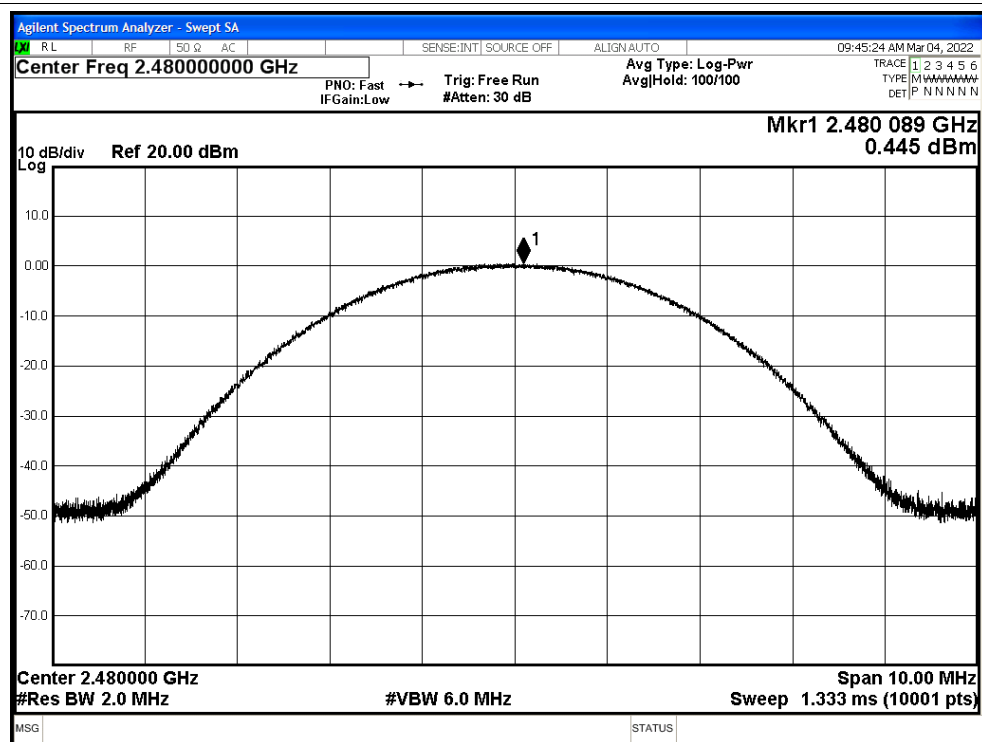




Power NVNT 2-DH5 2441MHz Ant1

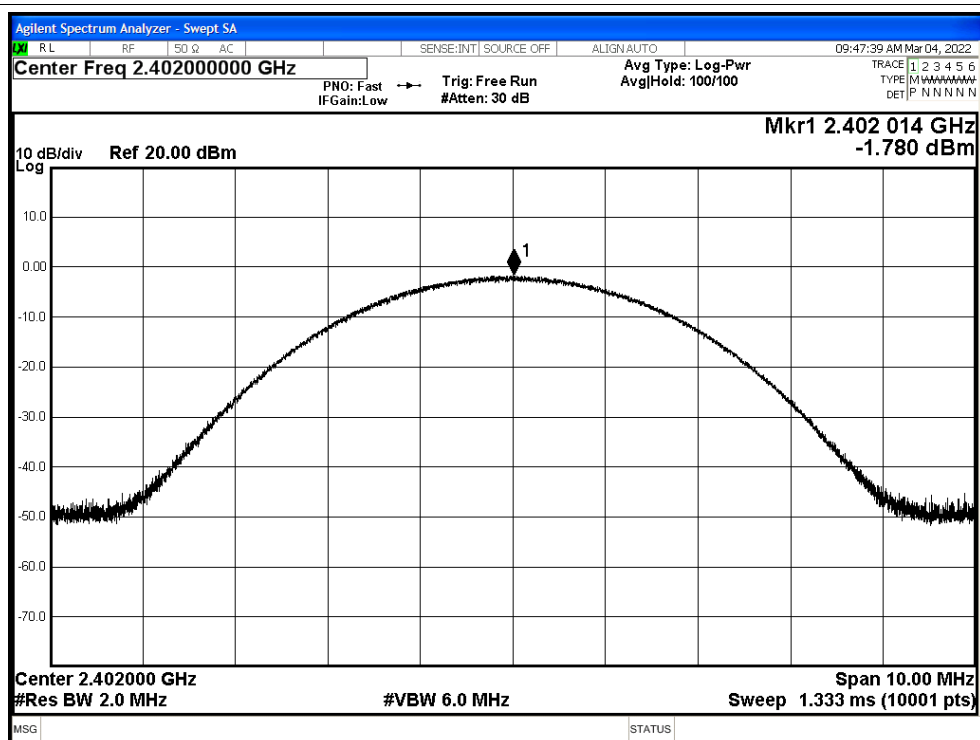


Power NVNT 2-DH5 2480MHz Ant1

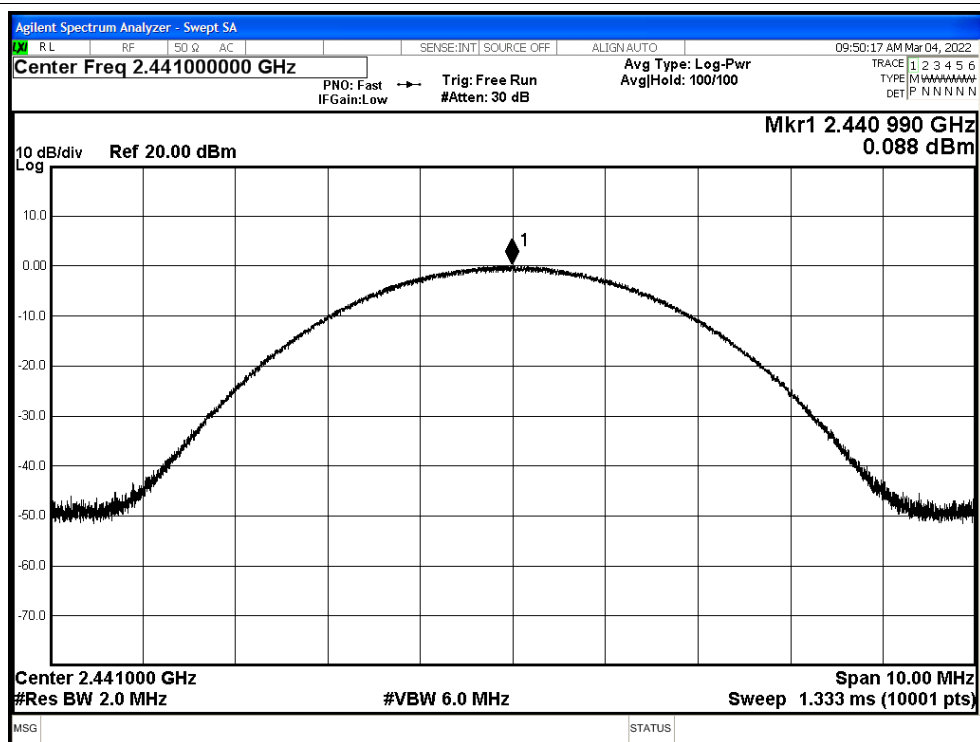


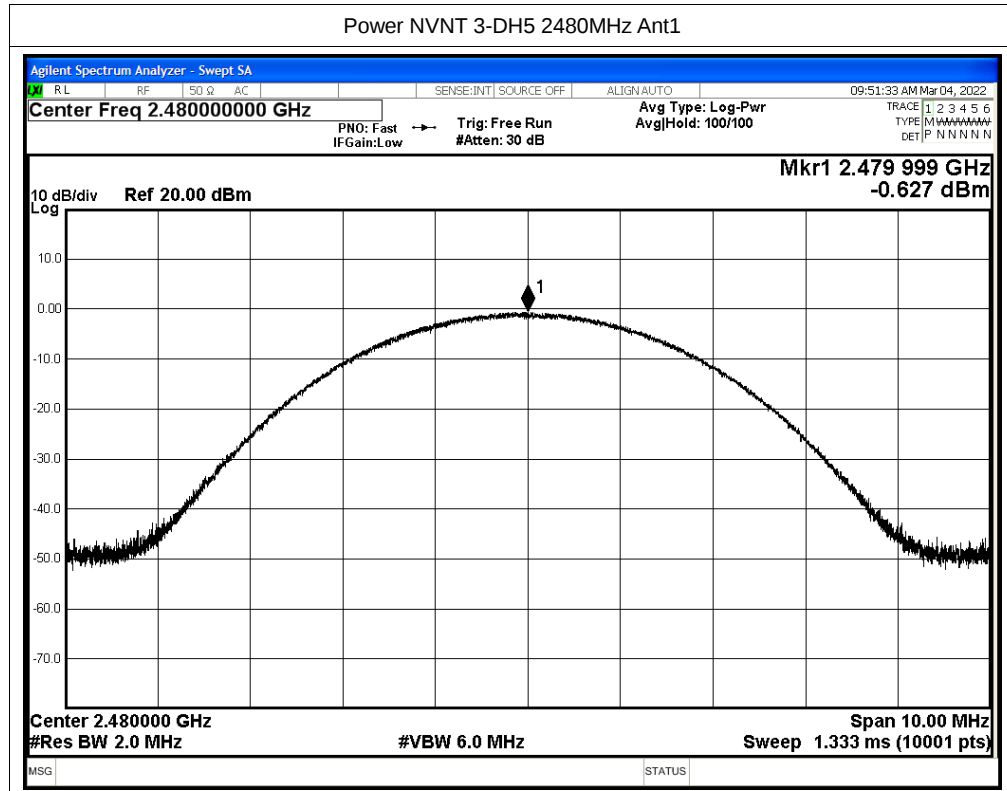


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1

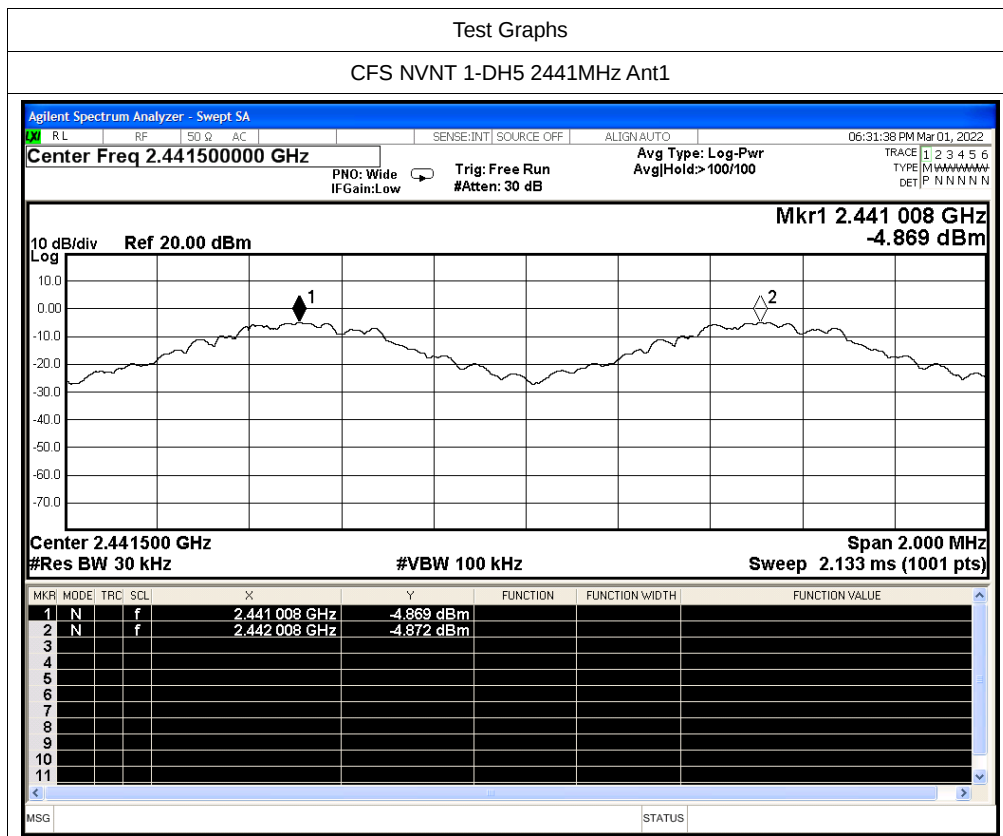






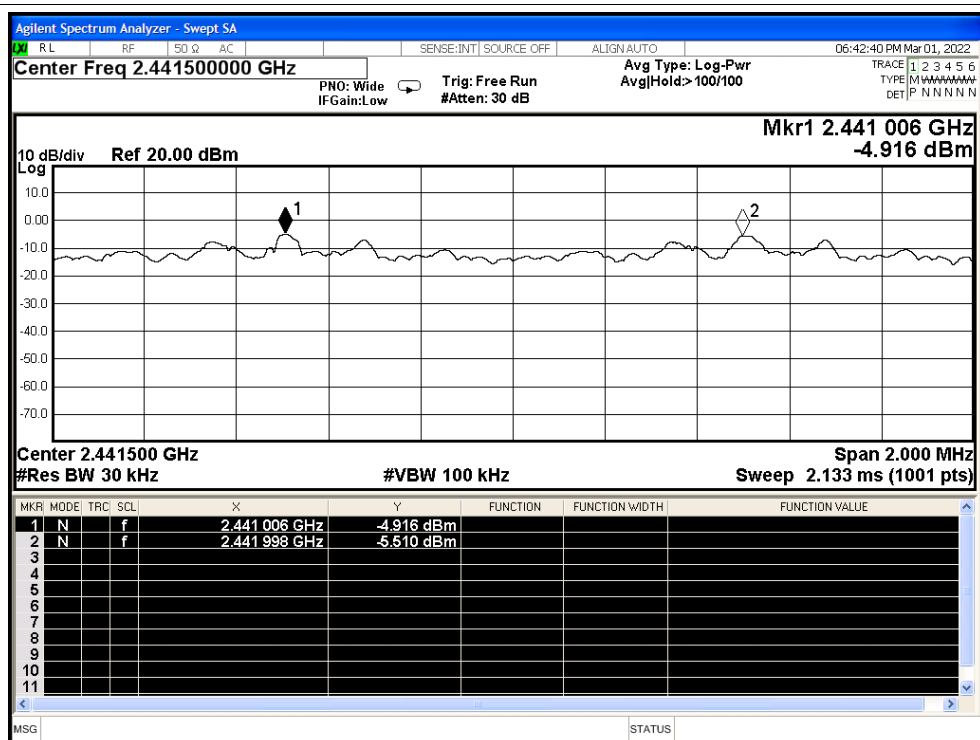
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2441.008	2442.008	1	0.628	Pass
NVNT	2-DH5	Ant1	2441.006	2441.998	0.992	0.873	Pass
NVNT	3-DH5	Ant1	2441.018	2442.16	1.142	0.865	Pass

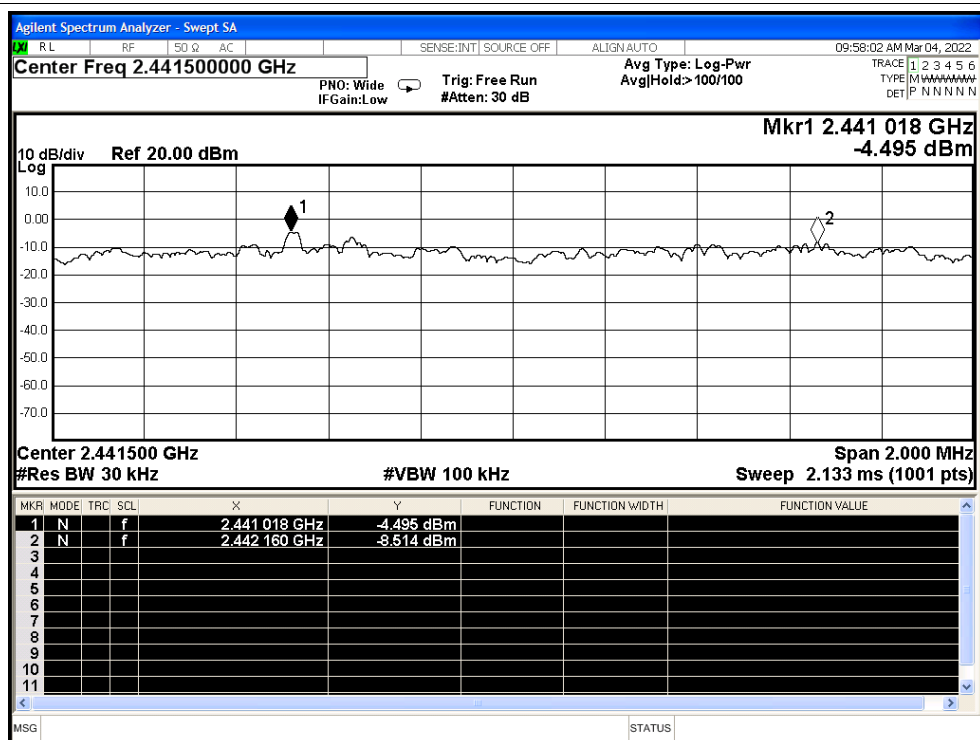




CFS NVNT 2-DH5 2441MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1





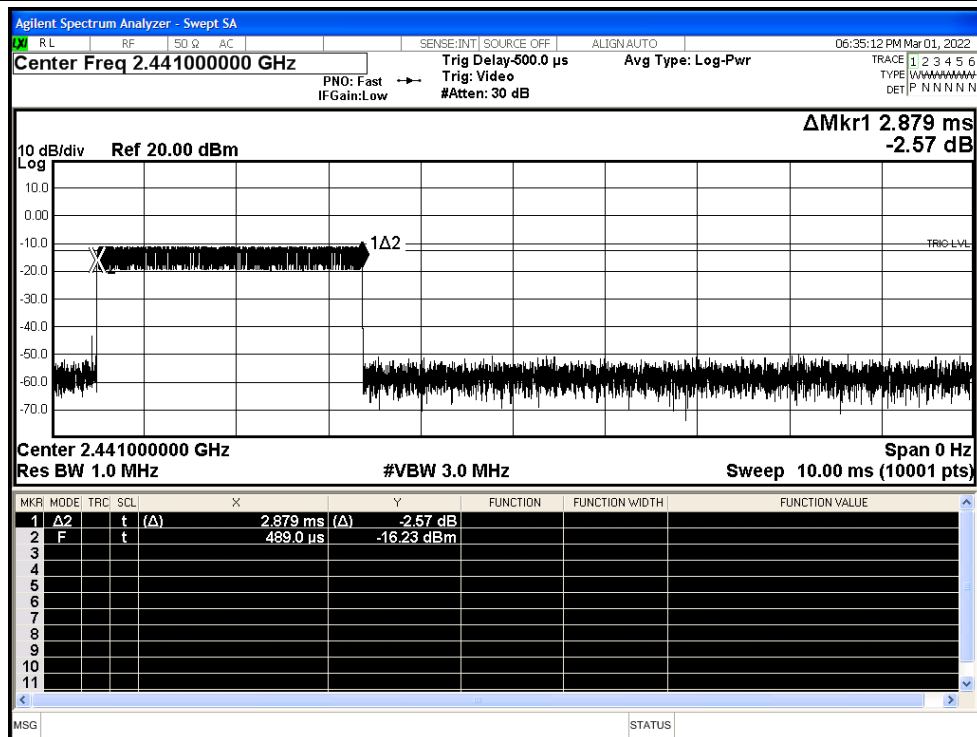
A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2441	Ant1	2.879	287.9	100	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.885	271.19	94	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.883	305.598	106	31600	400	Pass

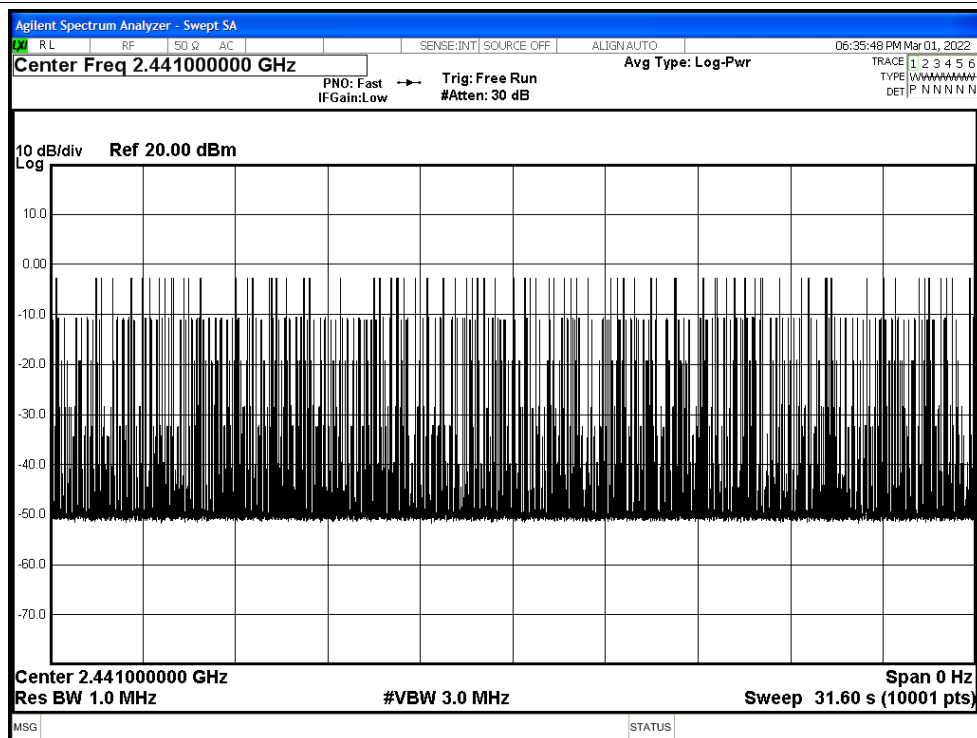


Test Graphs

Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

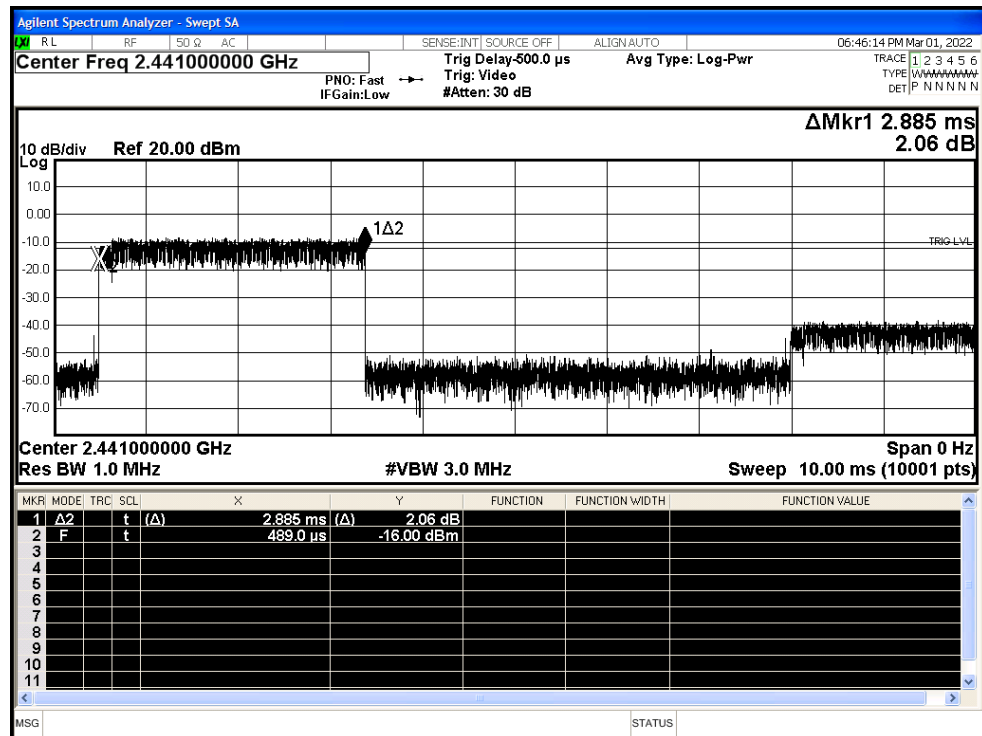


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

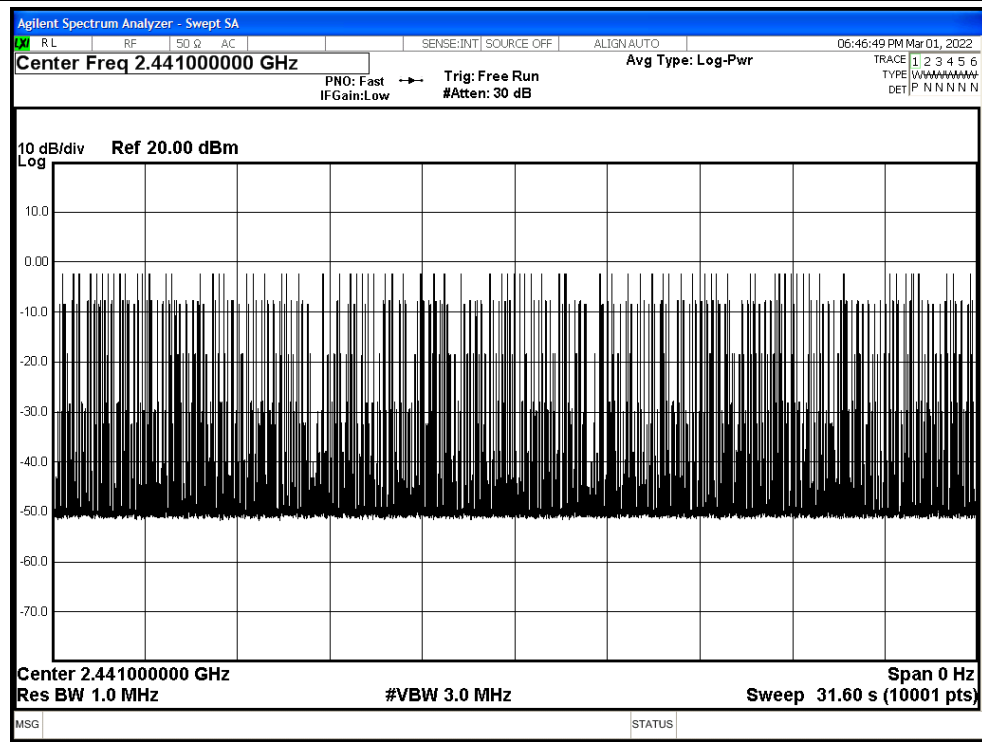




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

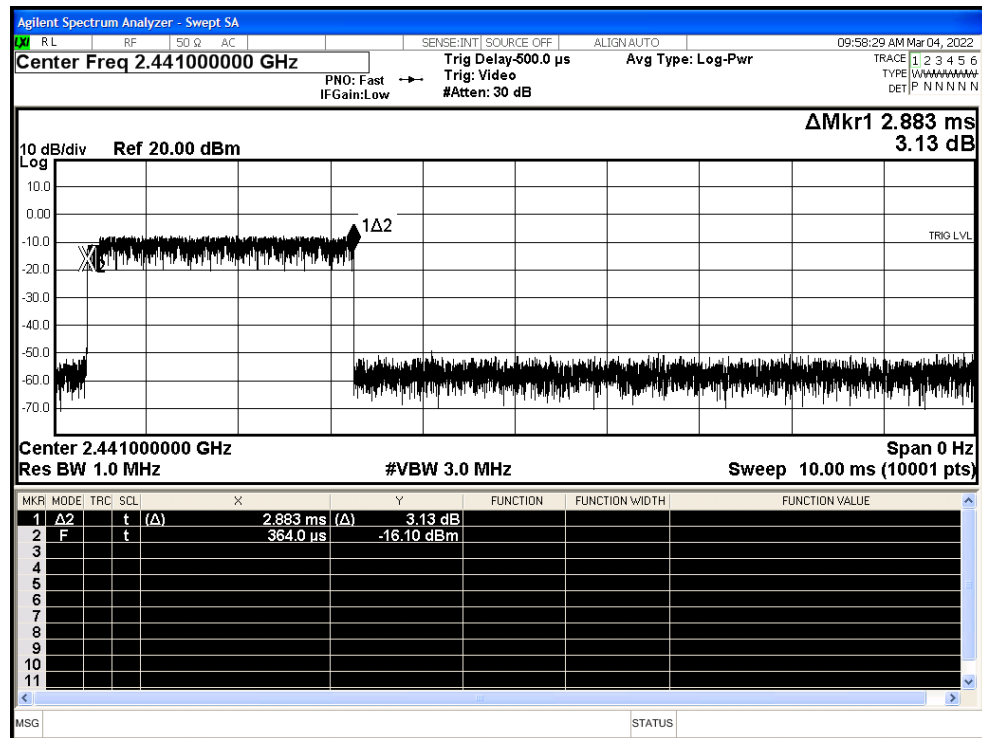


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

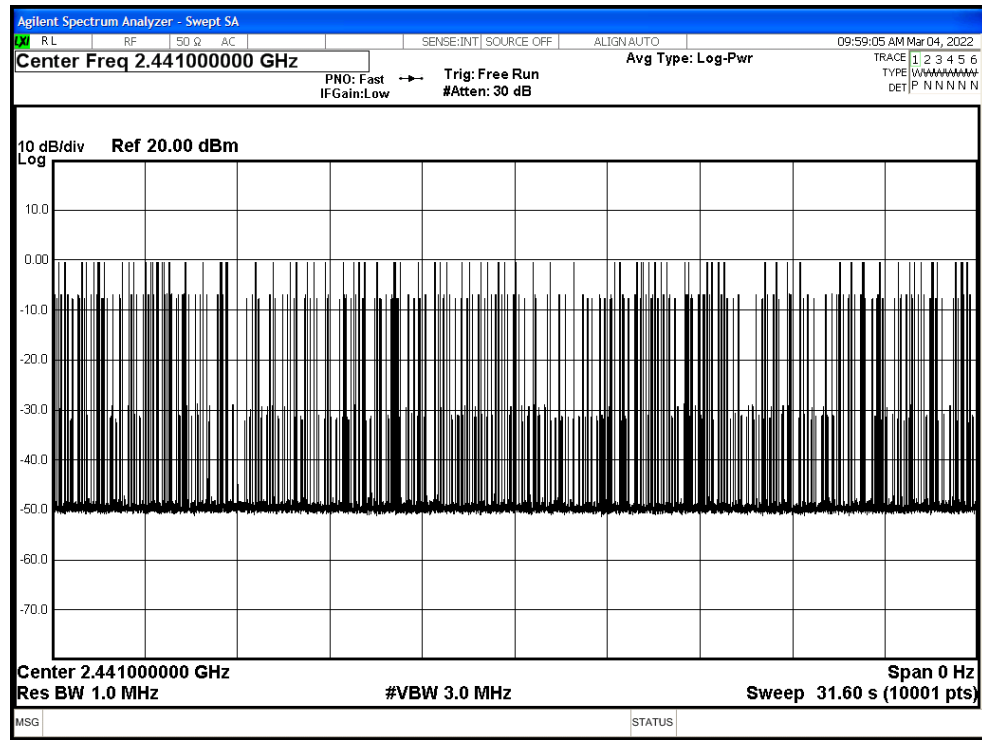




Dwell NVNT 3-DH5 2441MHz Ant1 One Burst



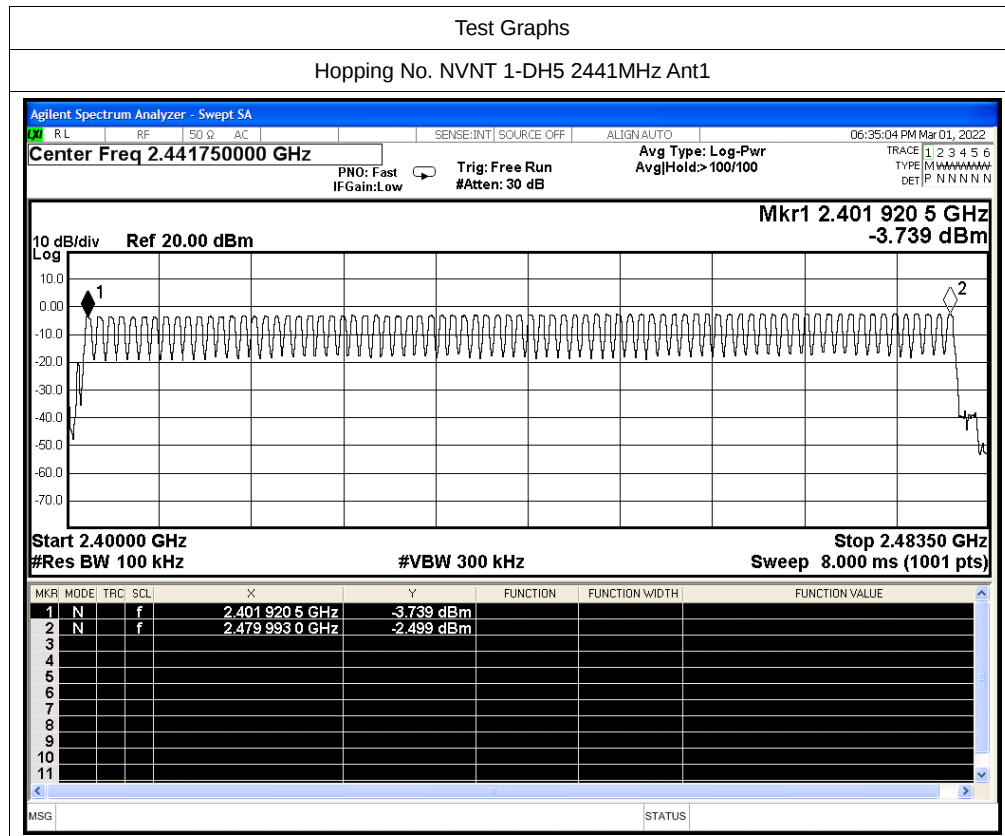
Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated





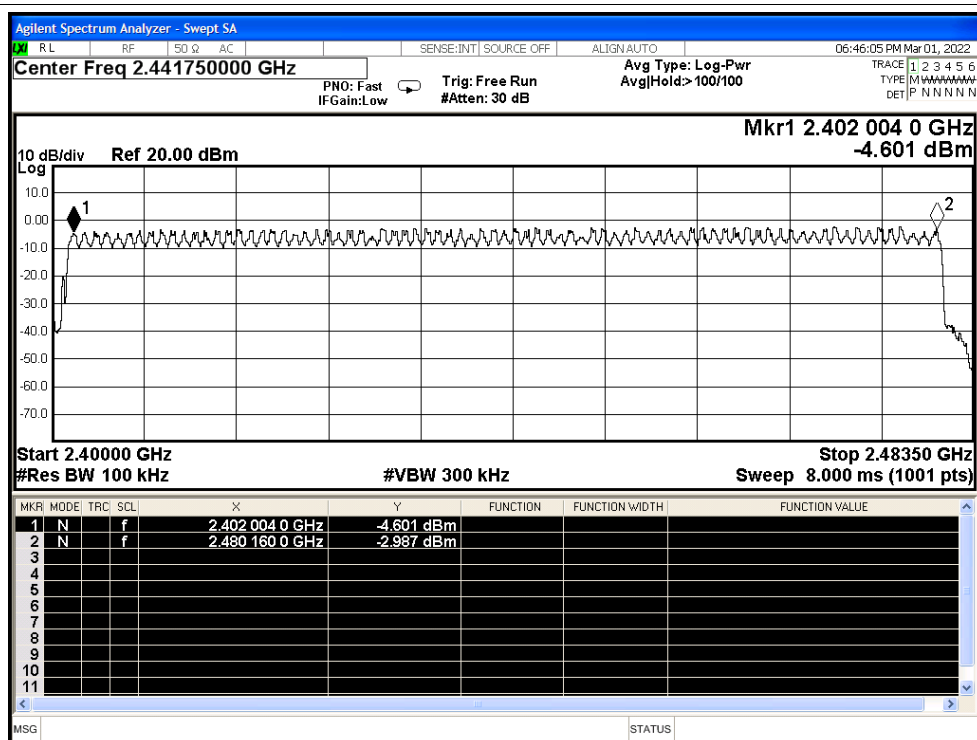
A.5 Number of Hopping Channel

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

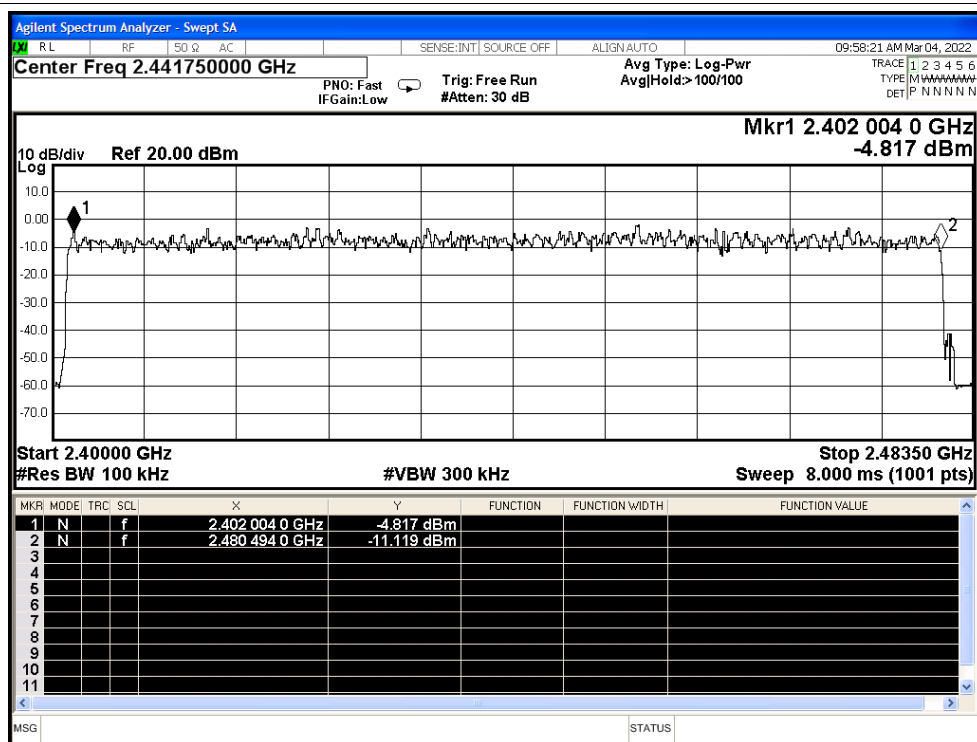




Hopping No. NVNT 2-DH5 2441MHz Ant1



Hopping No. NVNT 3-DH5 2441MHz Ant1





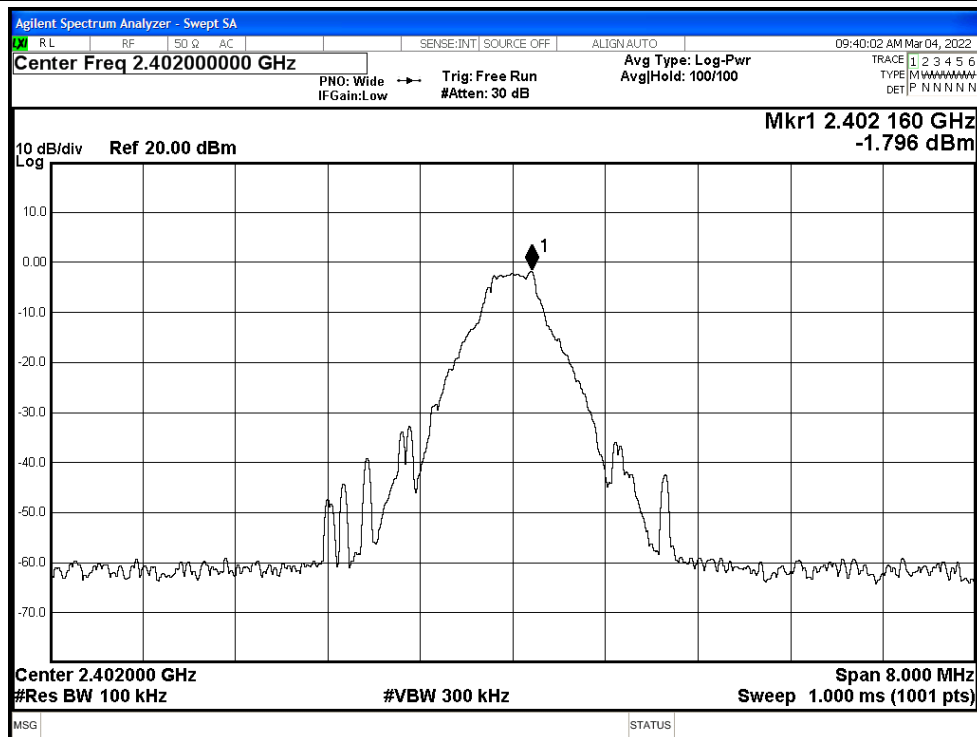
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-57.09	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.58	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-55.86	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-55.39	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-52.63	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-52.8	-20	Pass

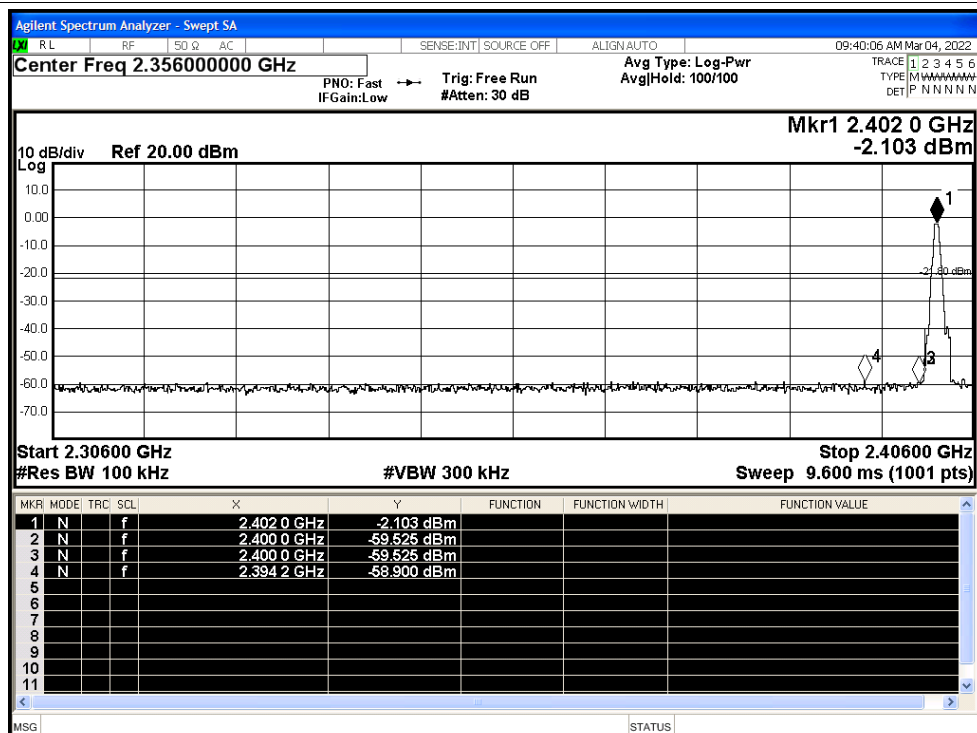


Test Graphs

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

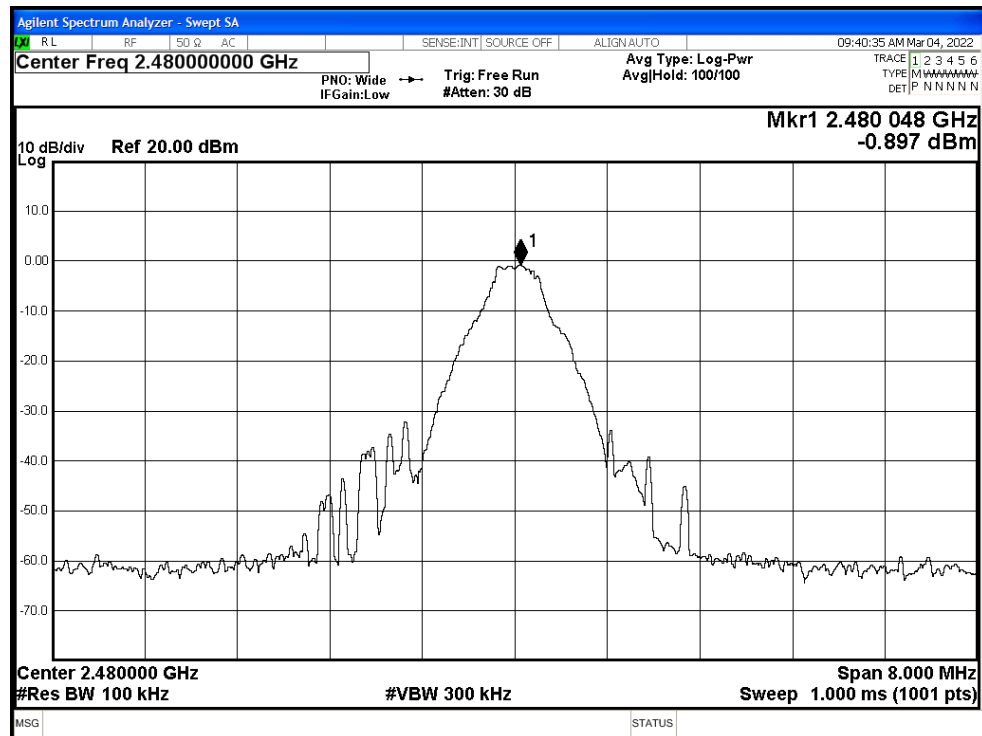


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

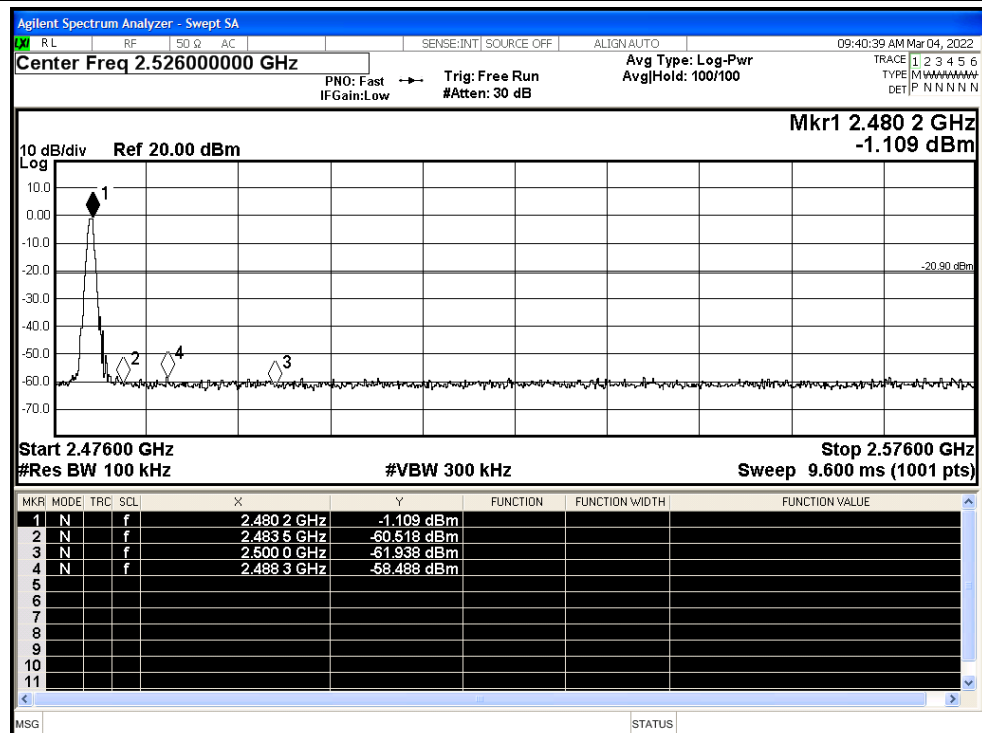




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

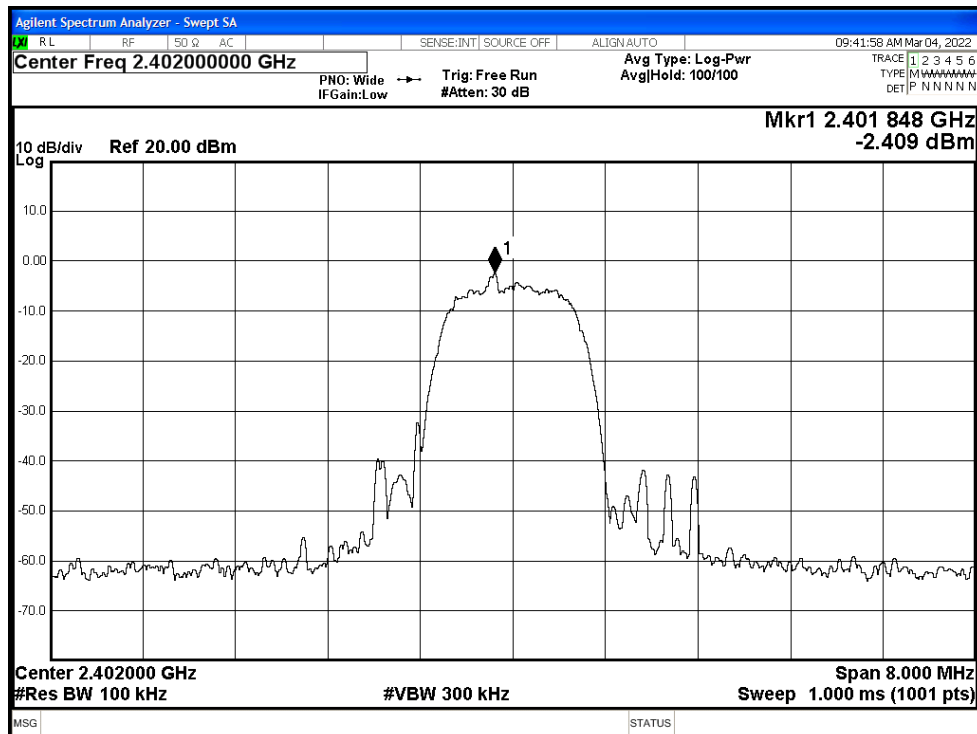


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

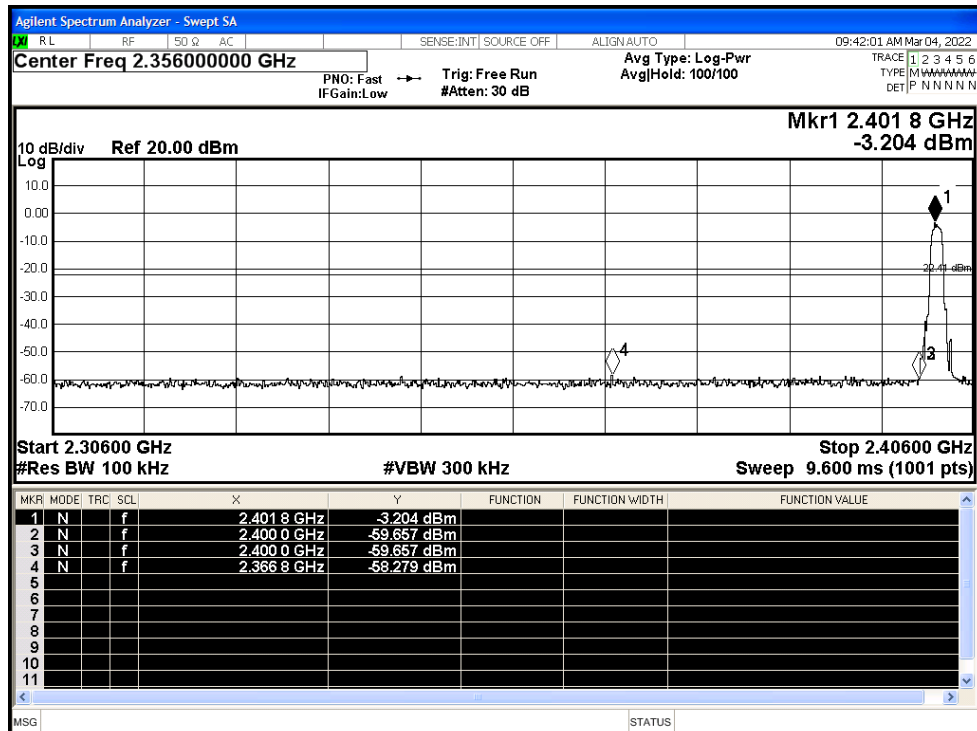




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

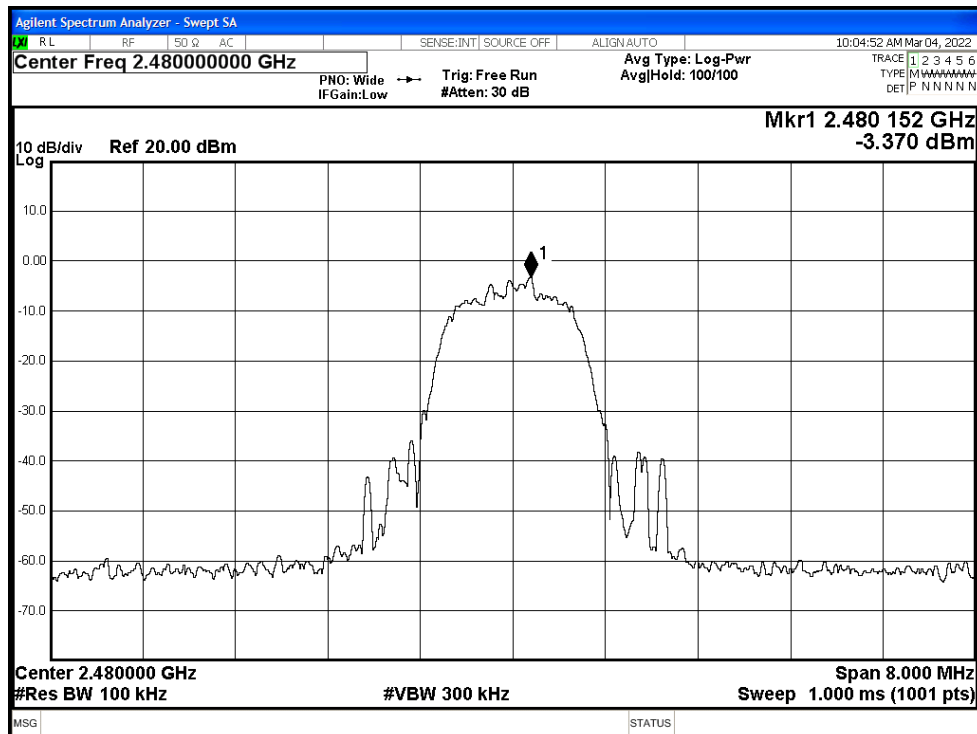


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

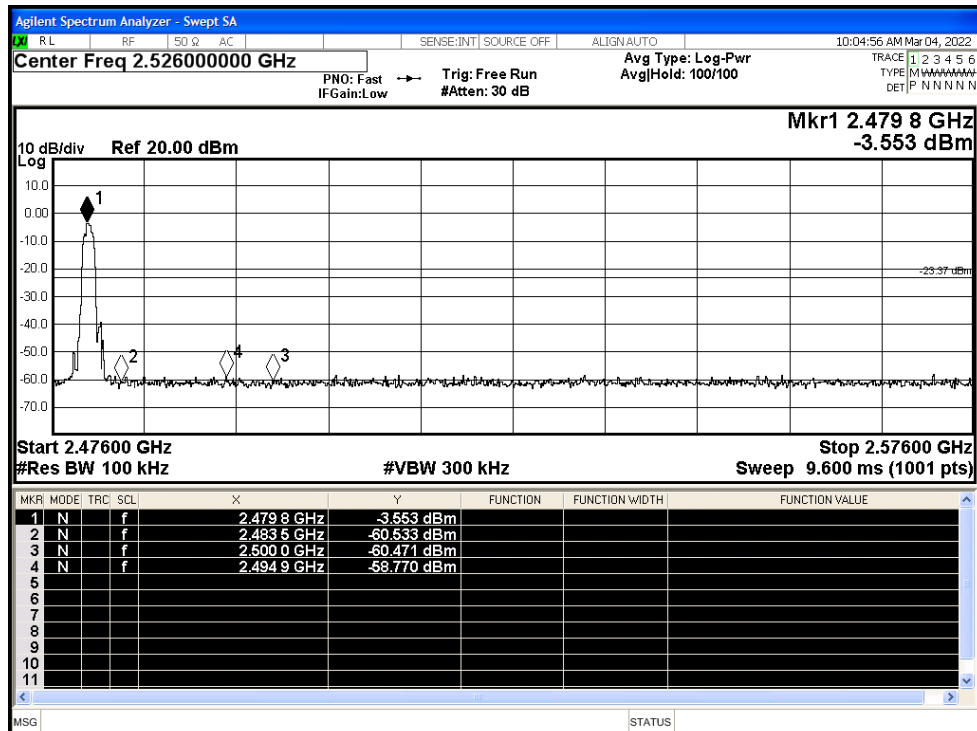




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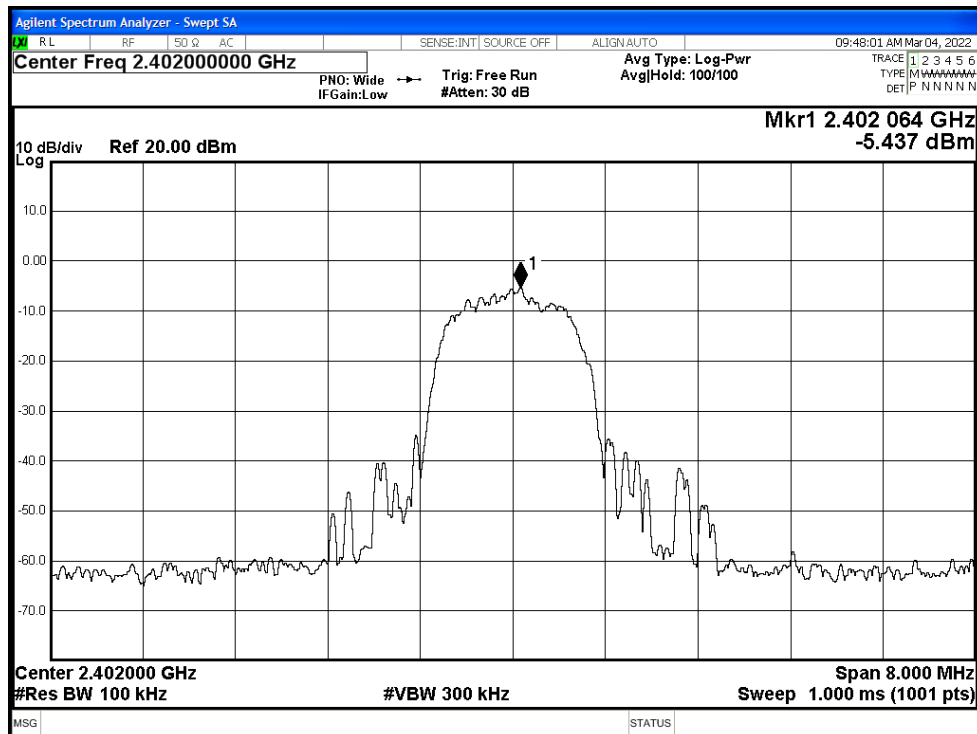


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

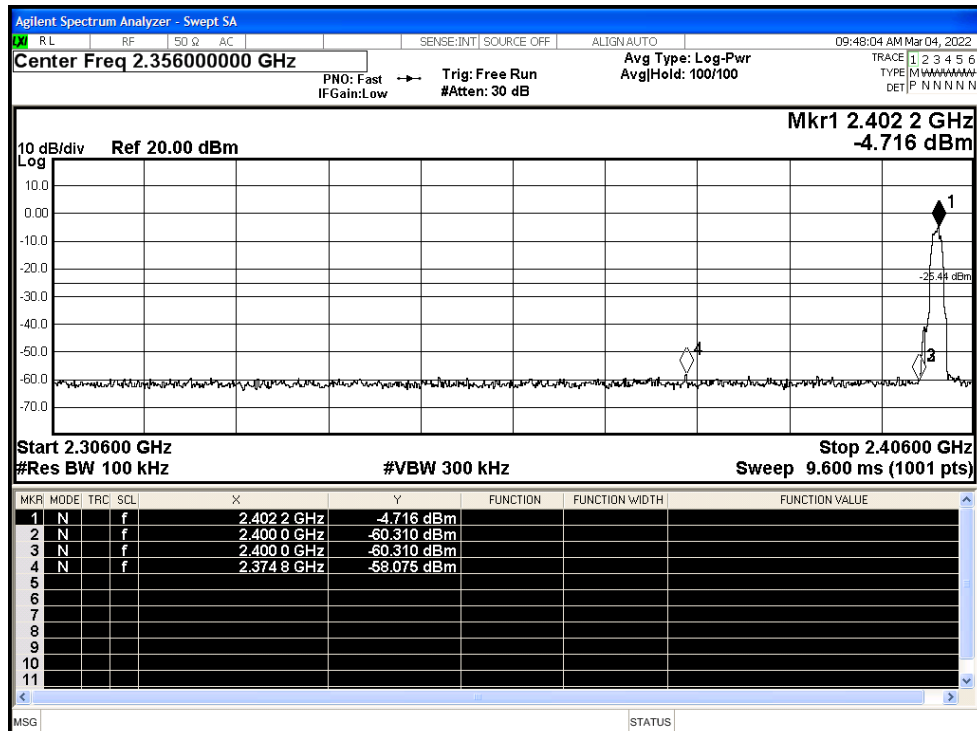




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

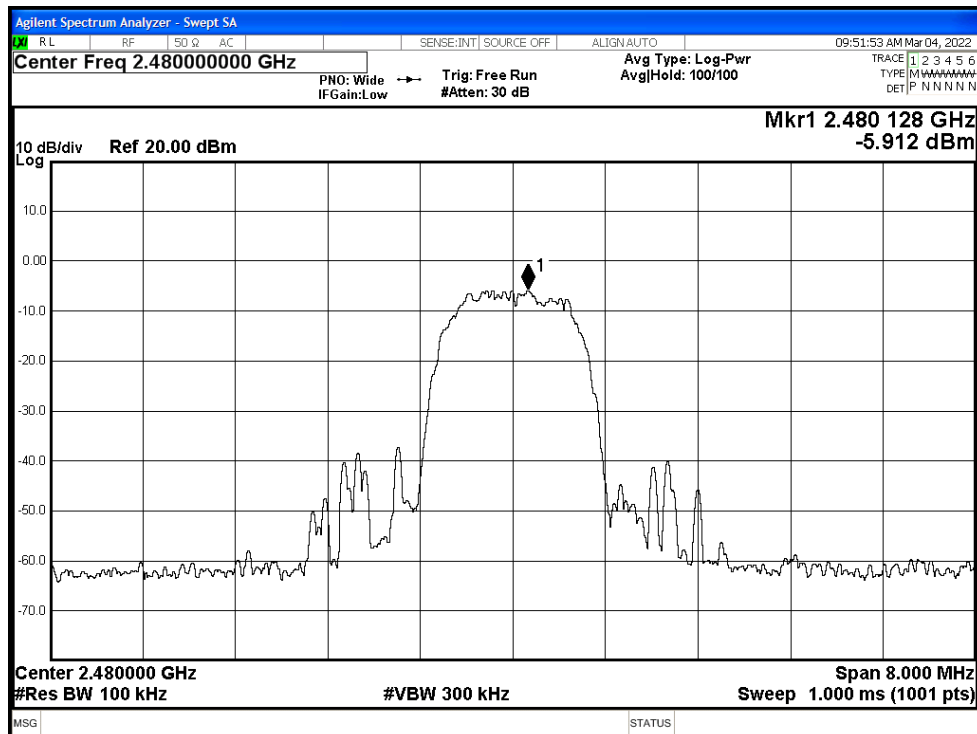


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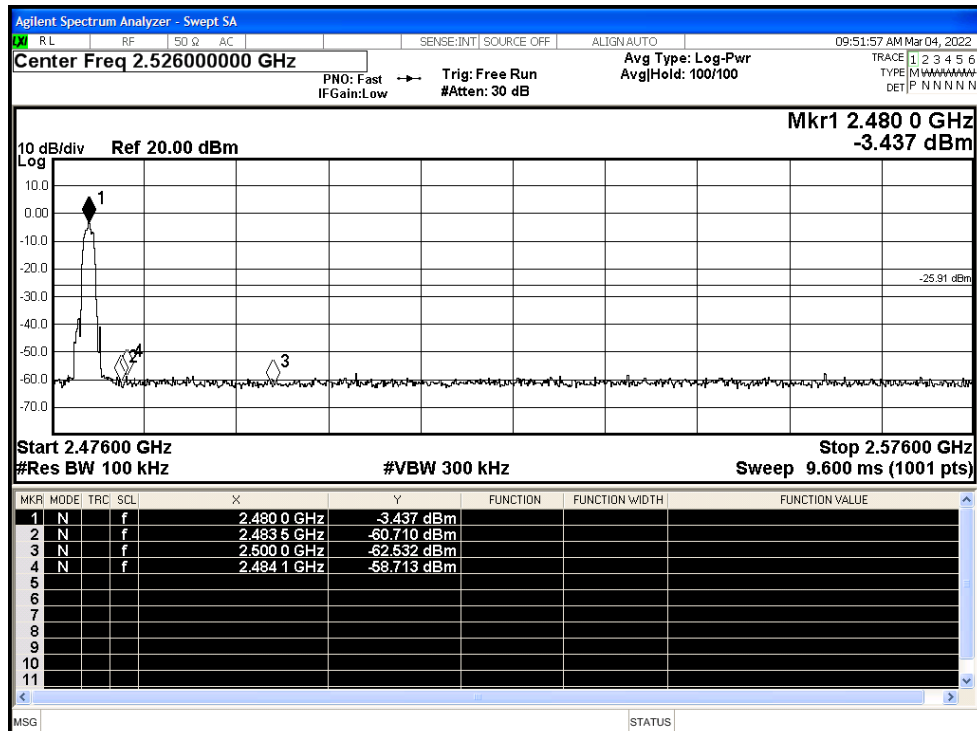




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





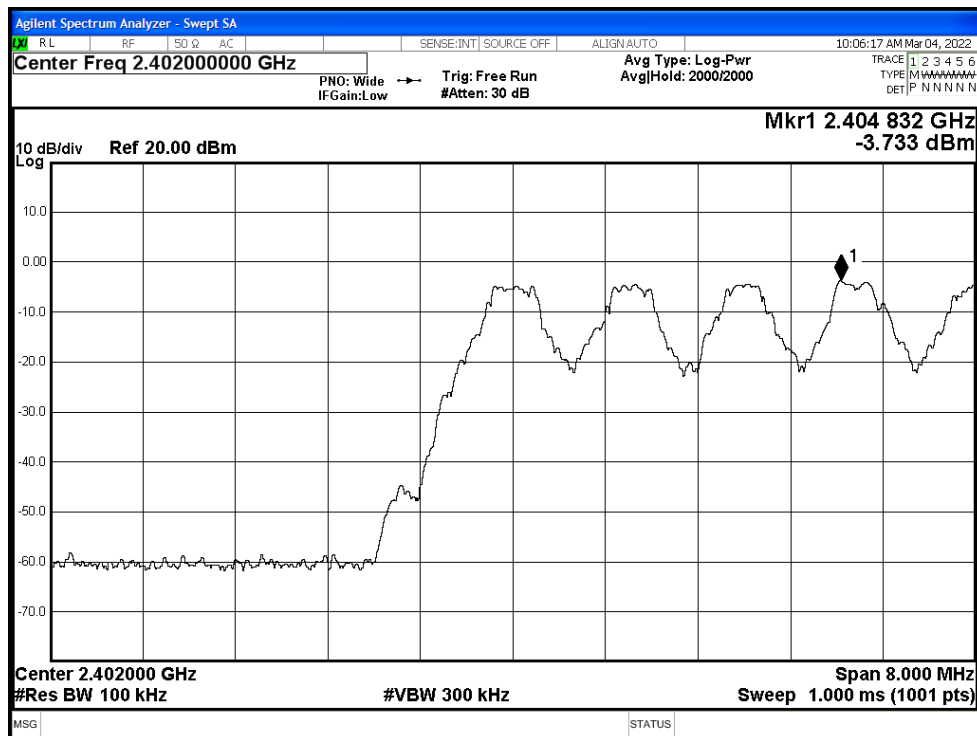
(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-53.67	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-54.59	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.55	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-51.06	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.28	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-51.88	-20	Pass

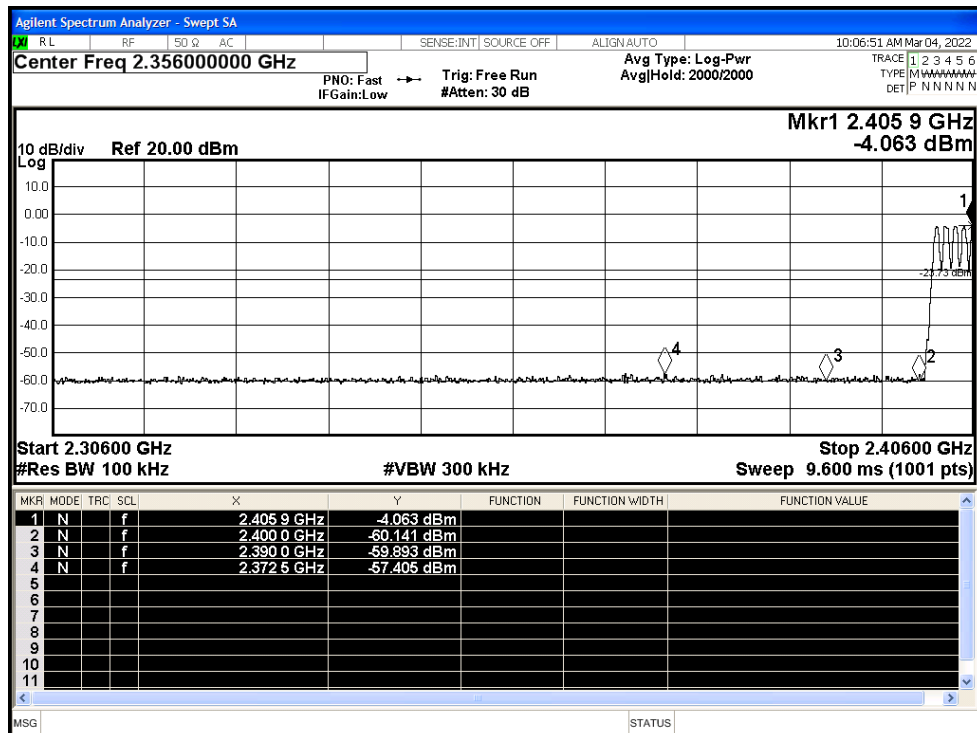


Test Graphs

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

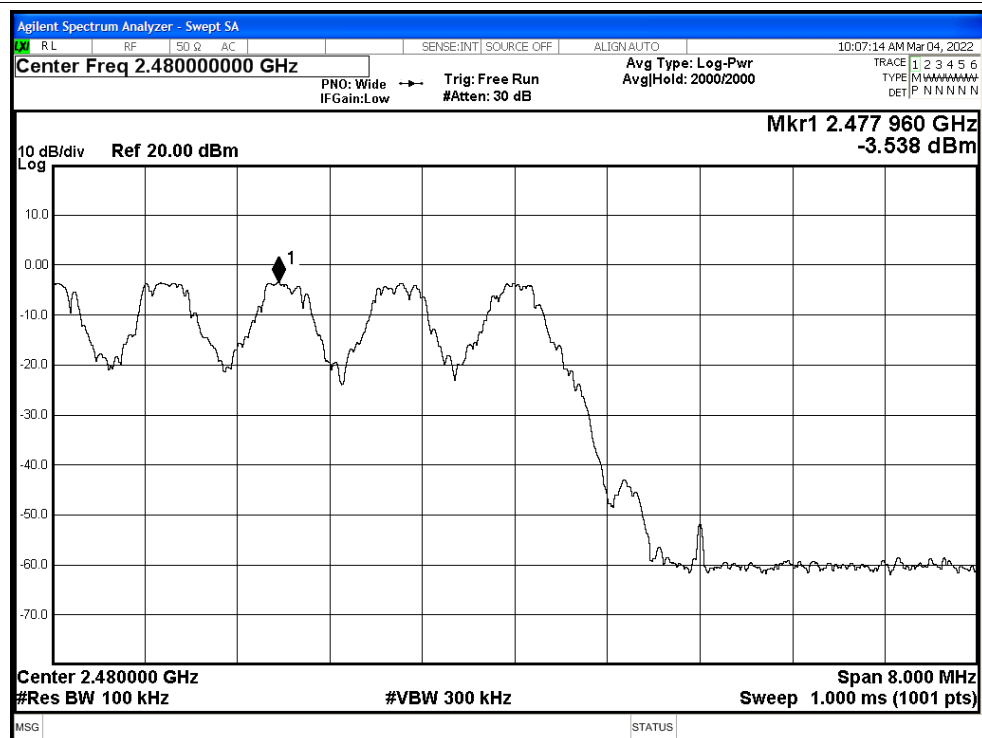


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

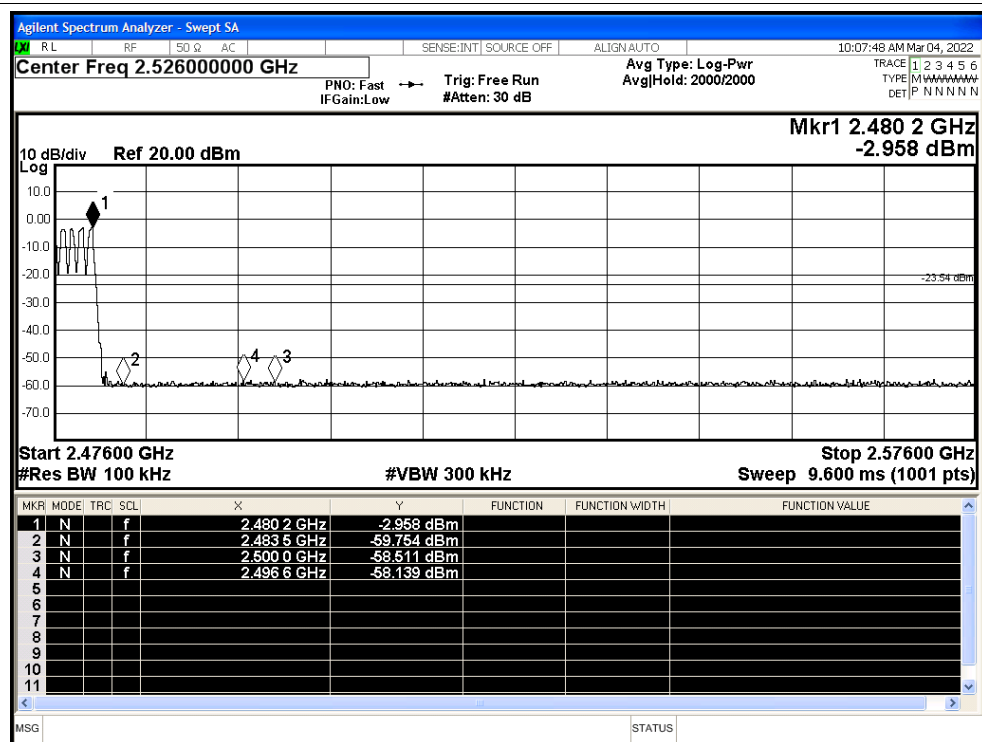




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

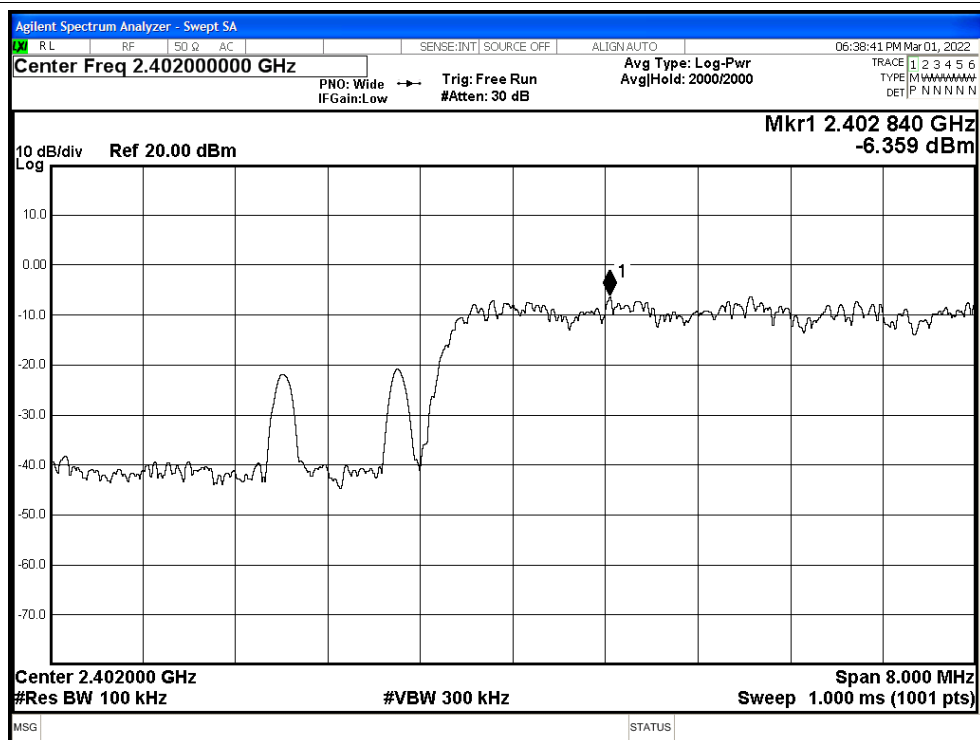


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

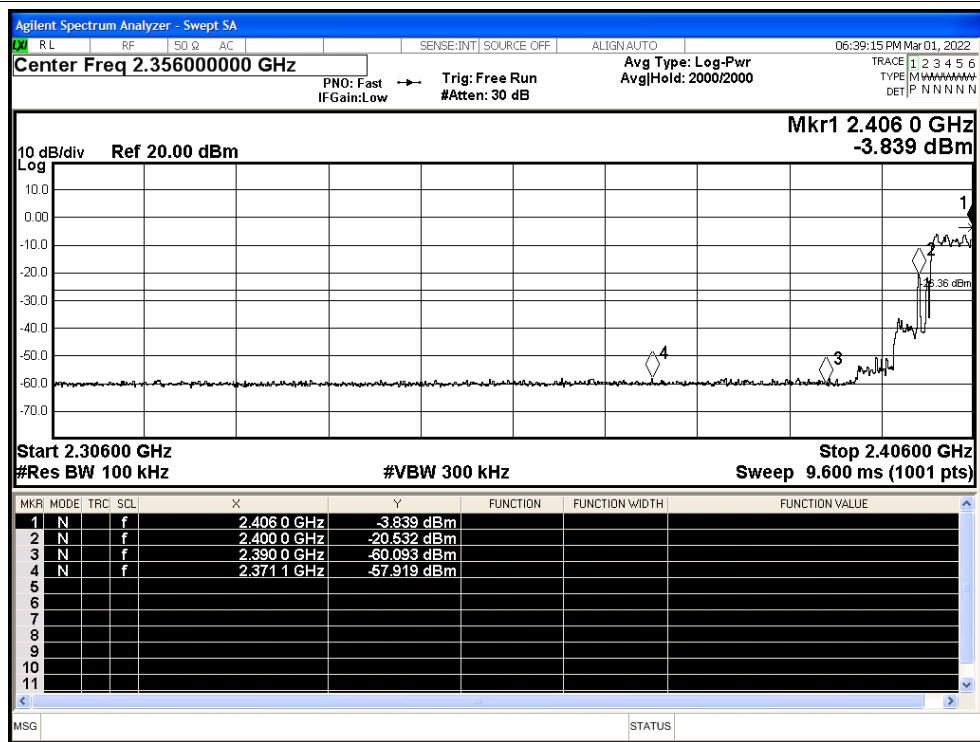




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

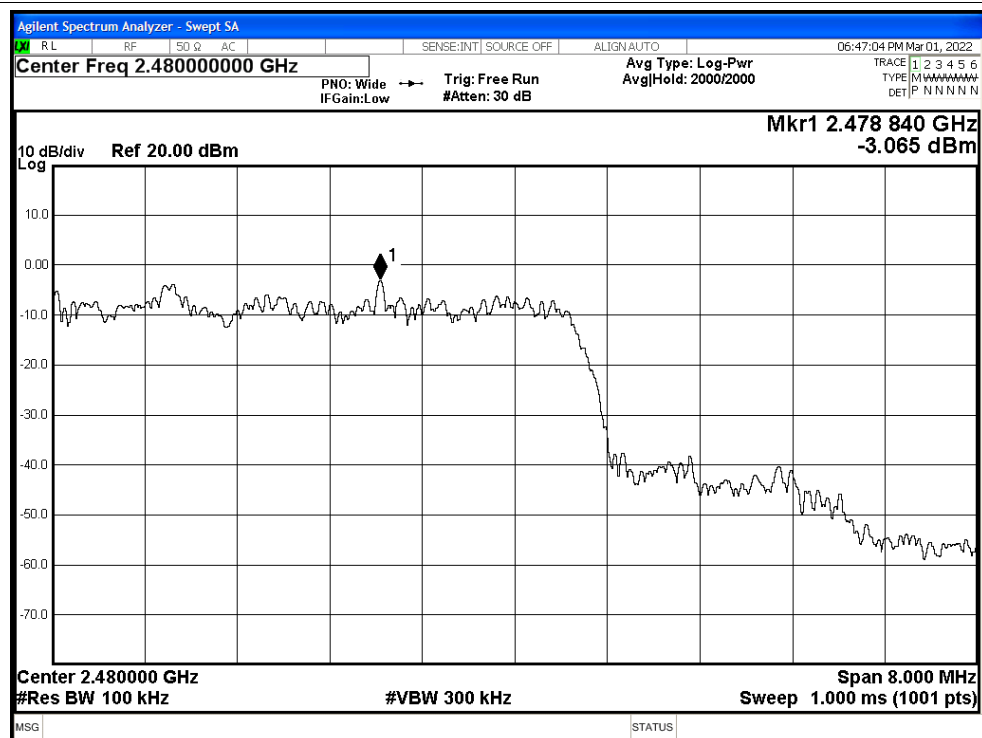


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

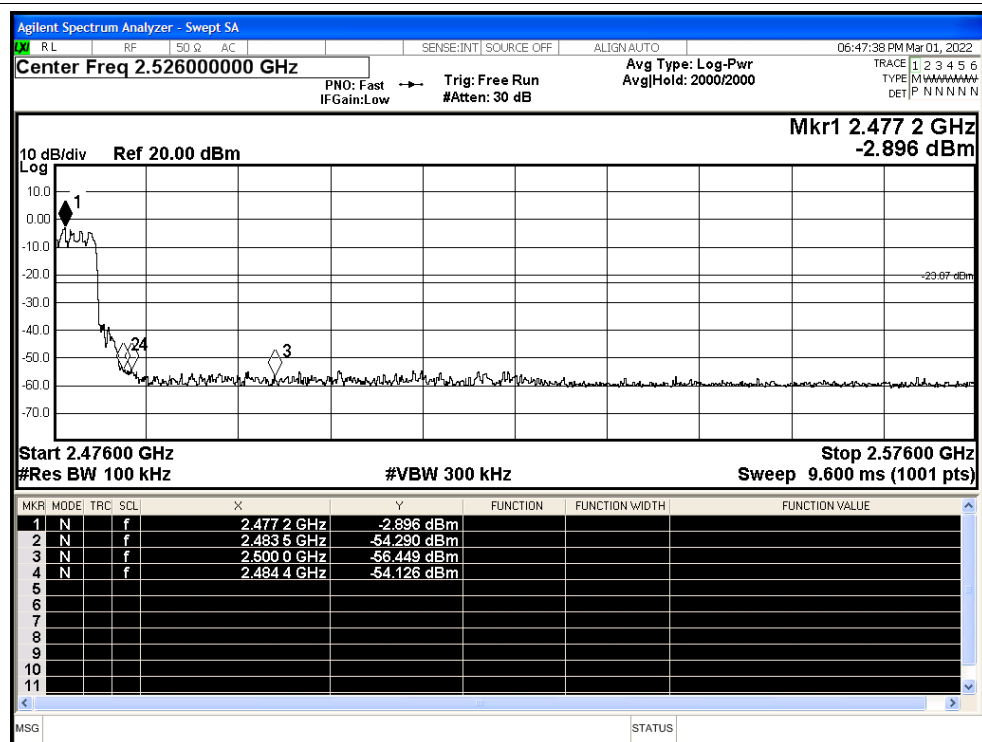




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref

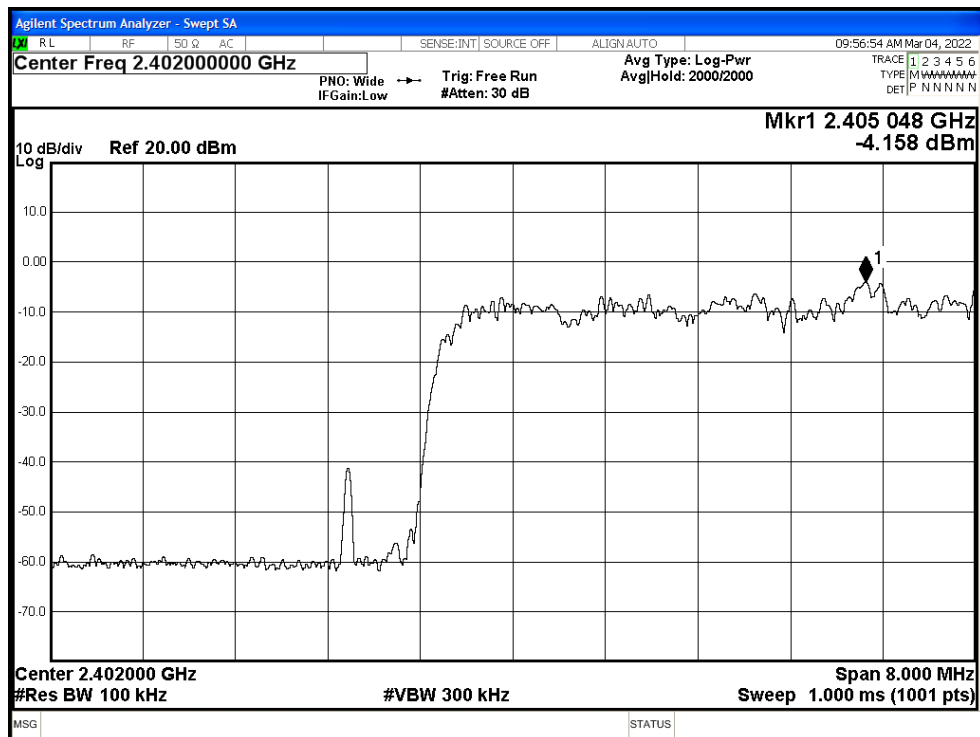


Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Emission

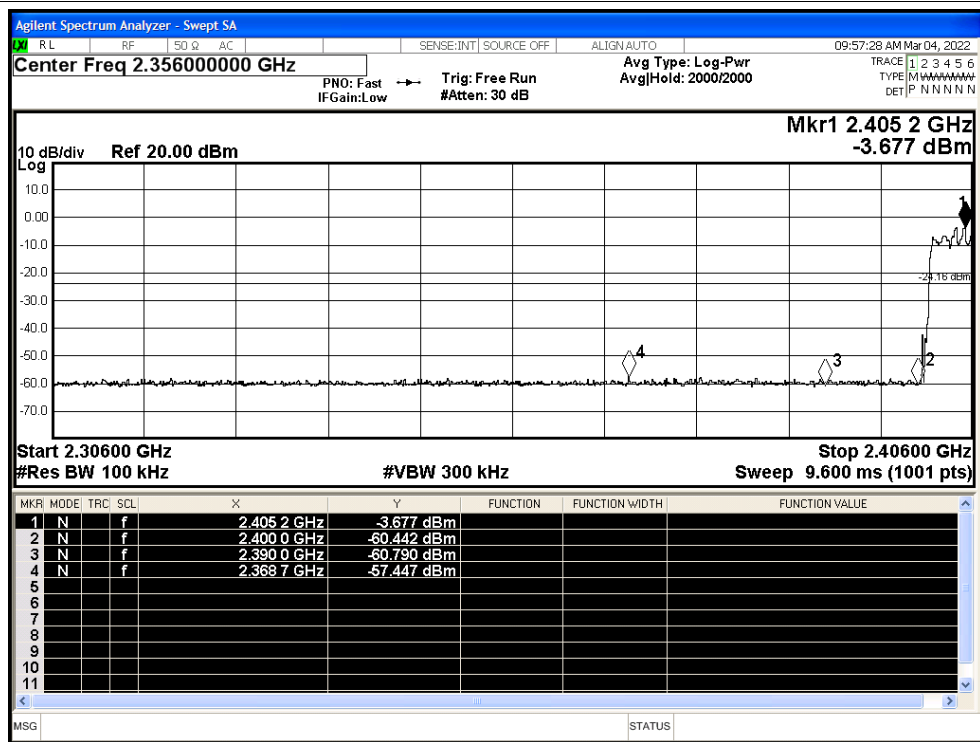




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref

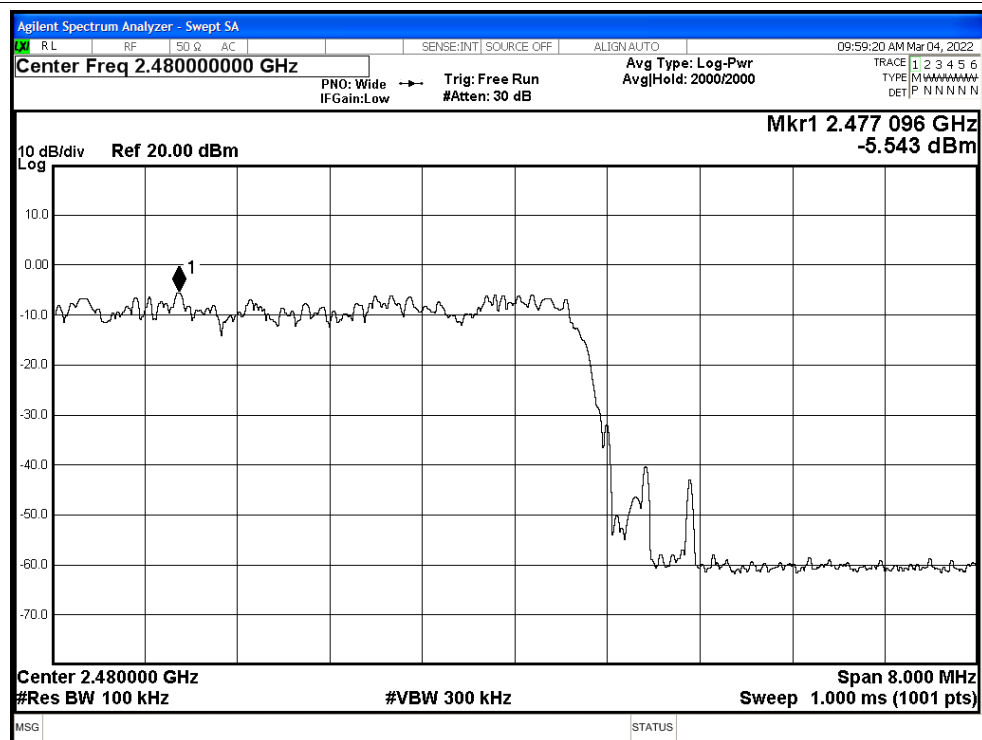


Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Emission

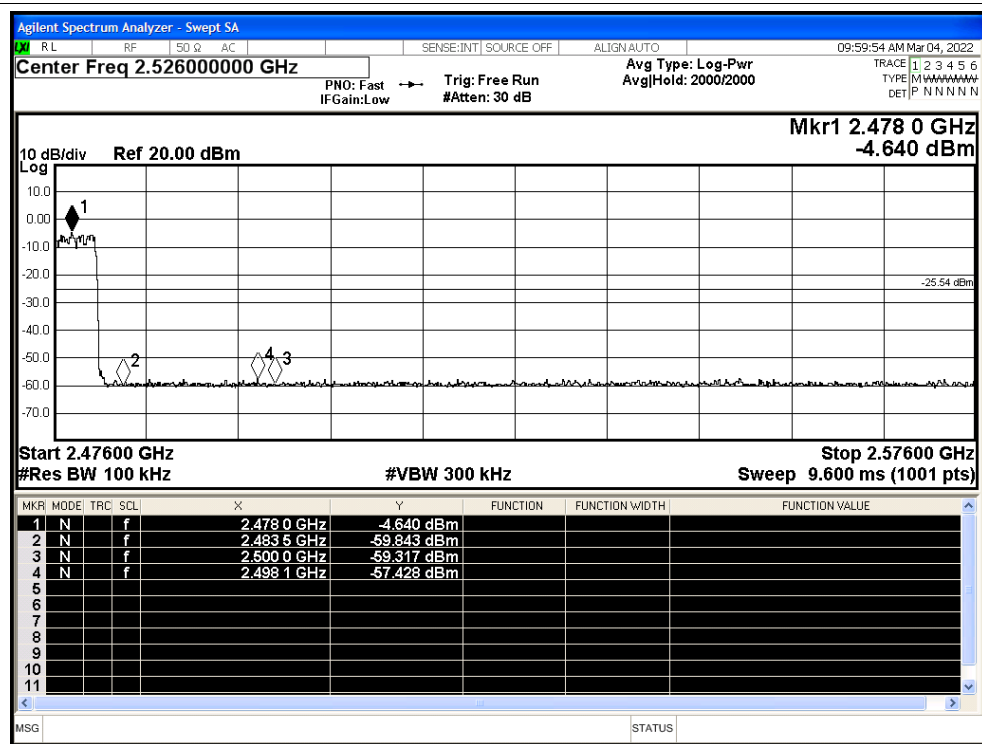




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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





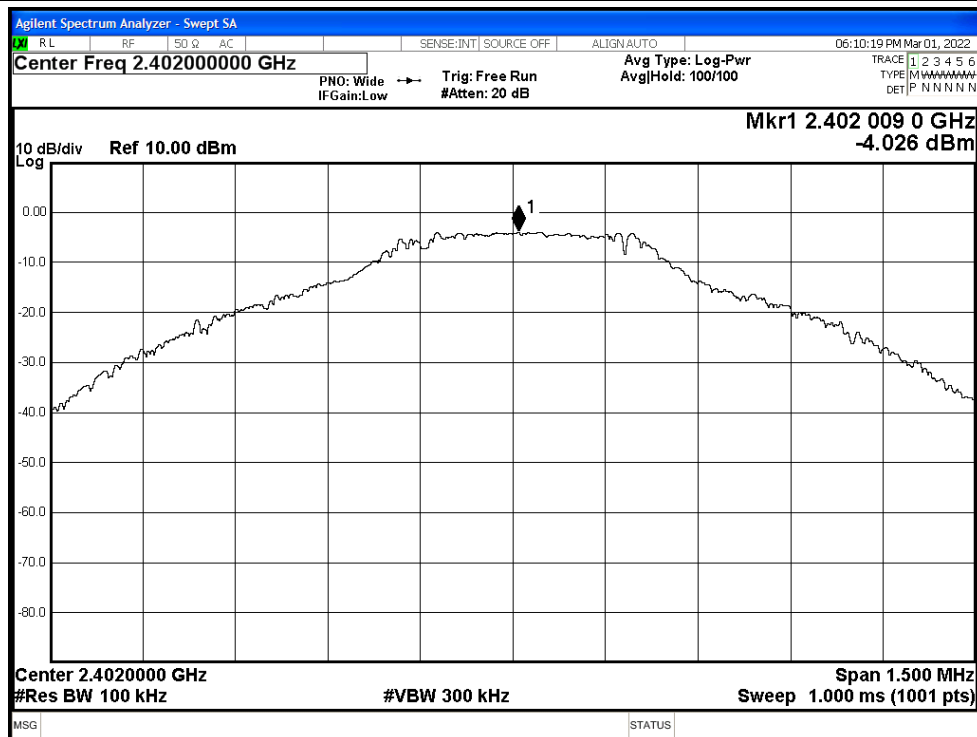
A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-35.92	-20	Pass
NVNT	1-DH5	2441	Ant1	-36.57	-20	Pass
NVNT	1-DH5	2480	Ant1	-38.9	-20	Pass
NVNT	2-DH5	2402	Ant1	-40.02	-20	Pass
NVNT	2-DH5	2441	Ant1	-42	-20	Pass
NVNT	2-DH5	2480	Ant1	-42.3	-20	Pass
NVNT	3-DH5	2402	Ant1	-53.26	-20	Pass
NVNT	3-DH5	2441	Ant1	-53.57	-20	Pass
NVNT	3-DH5	2480	Ant1	-53.98	-20	Pass

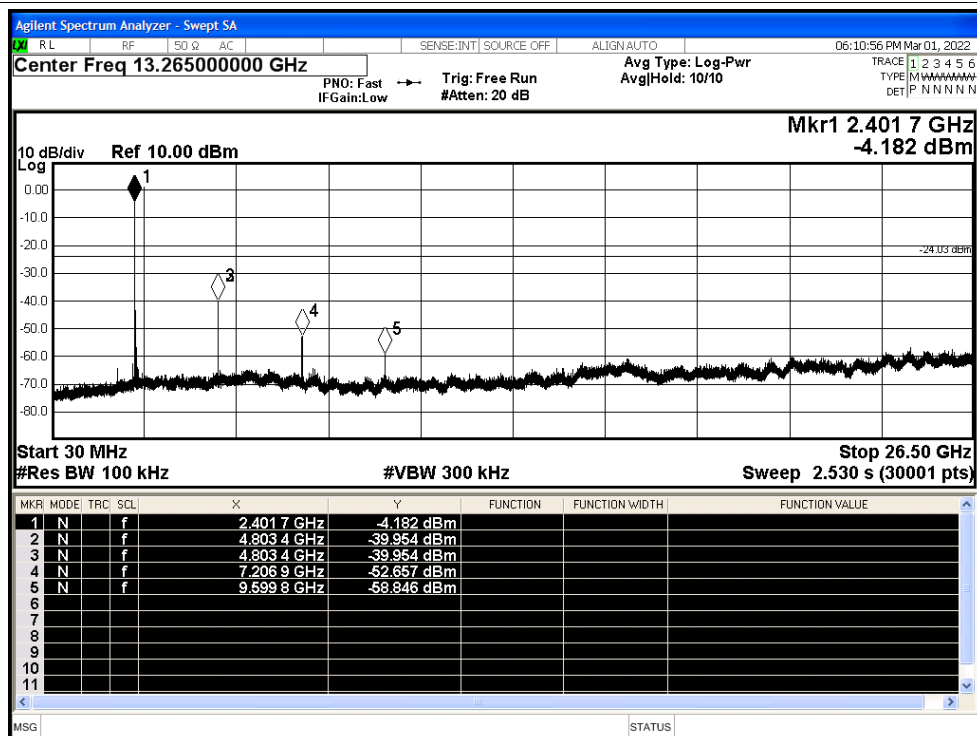


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

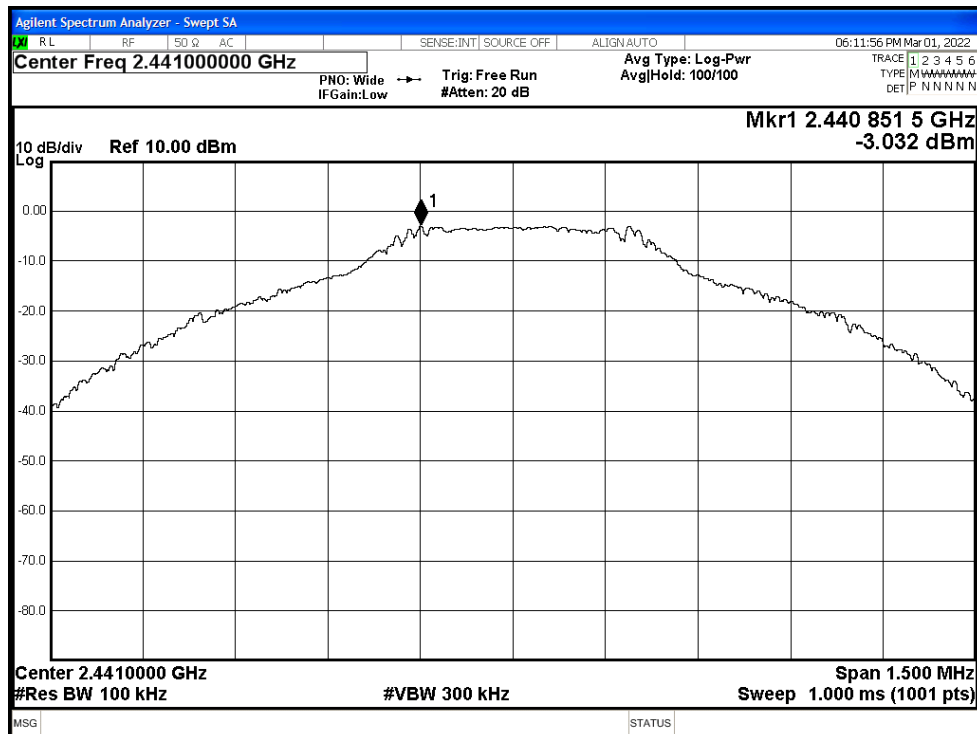


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

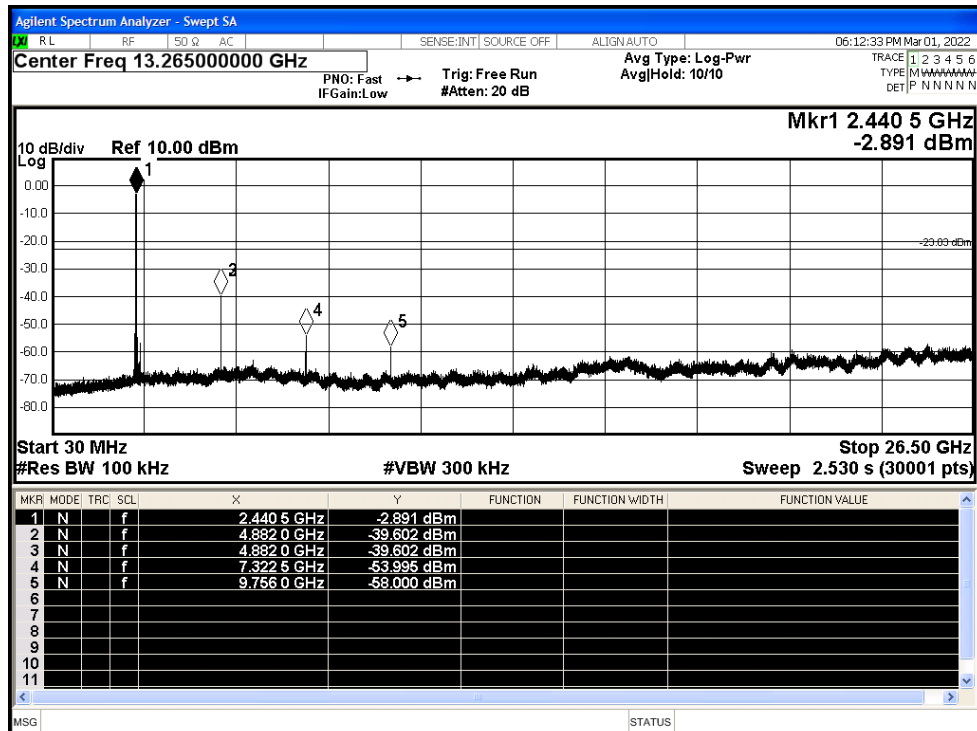




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

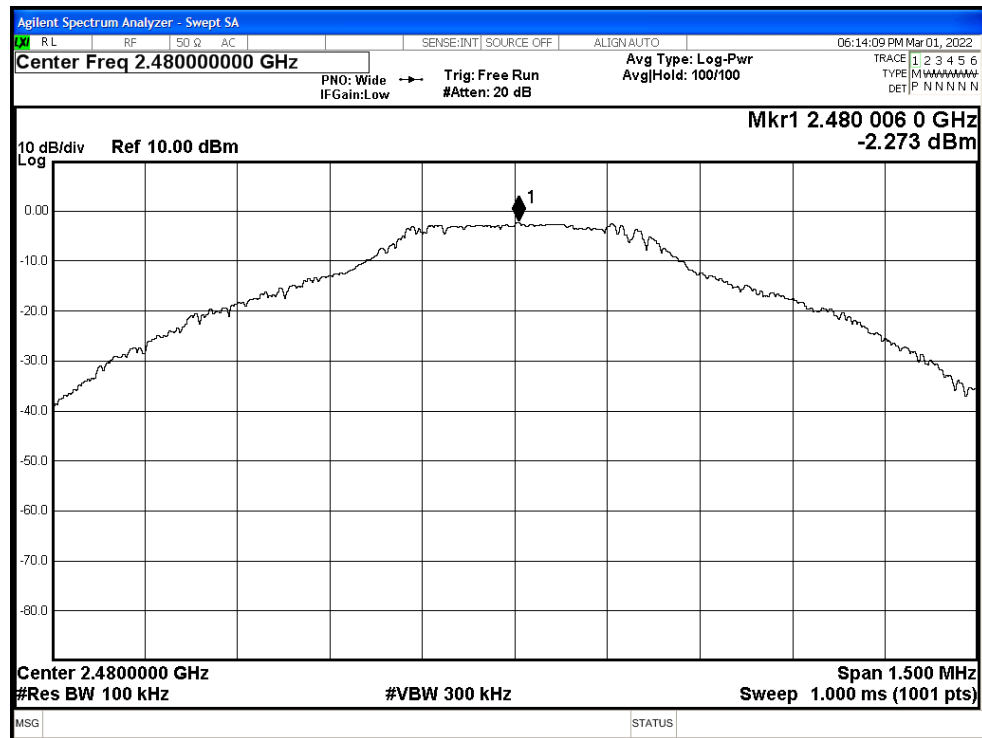


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

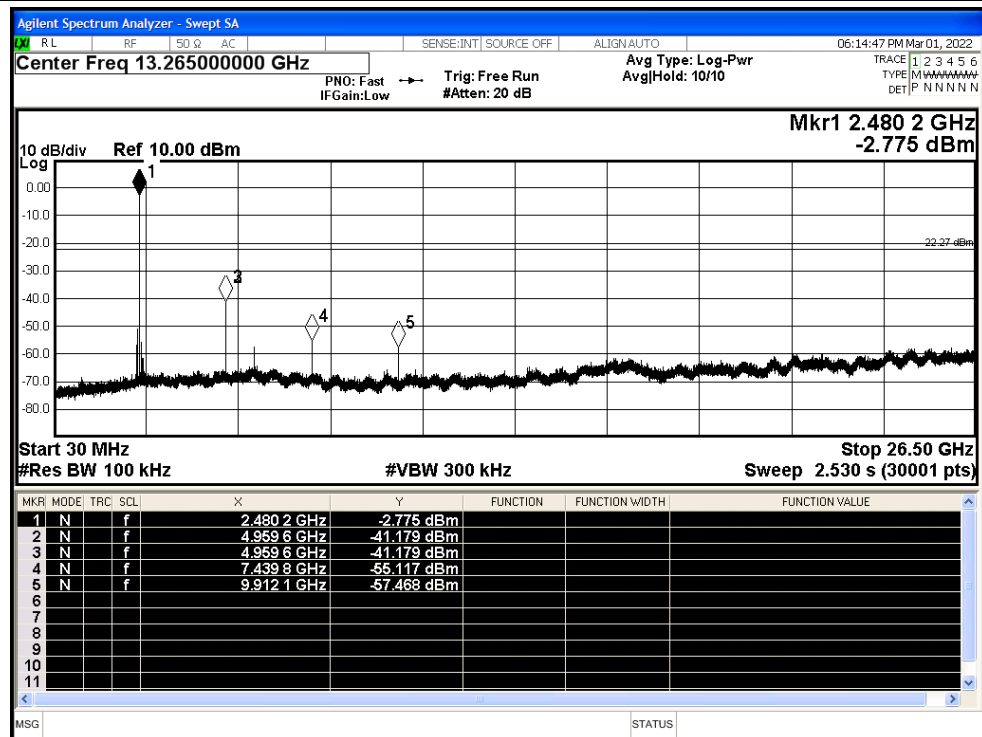




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

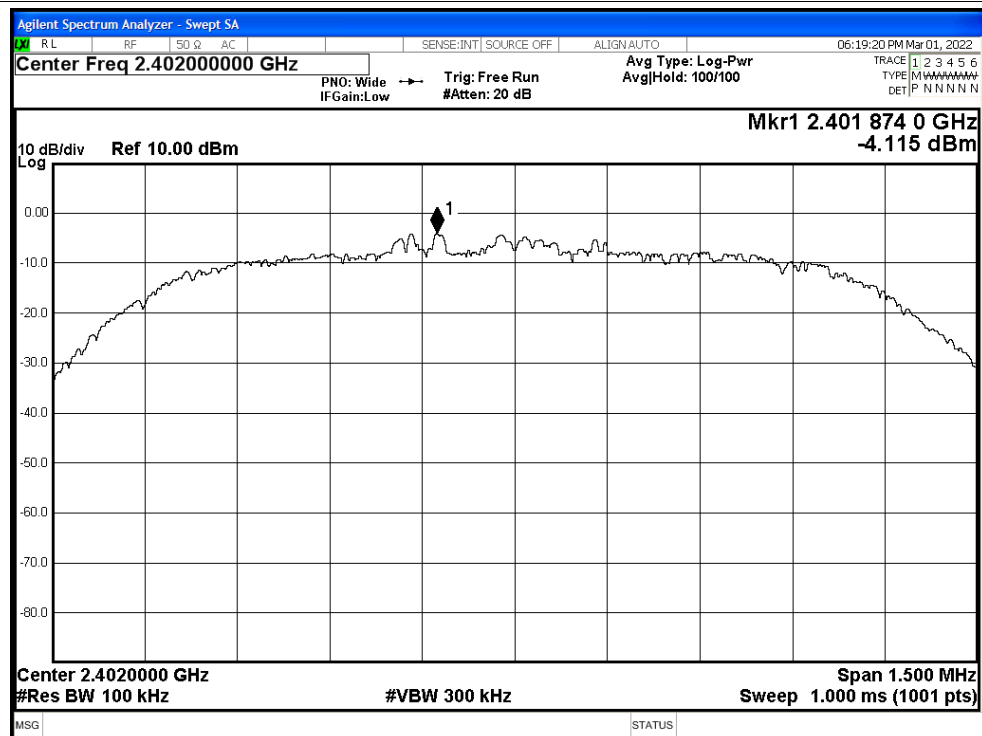


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

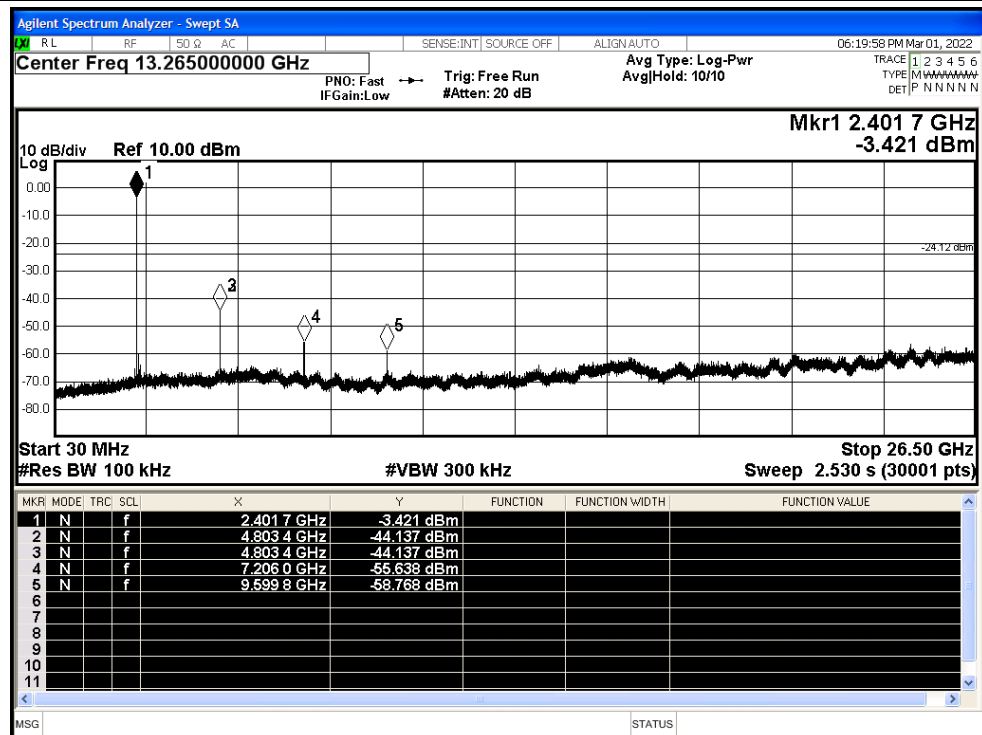




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

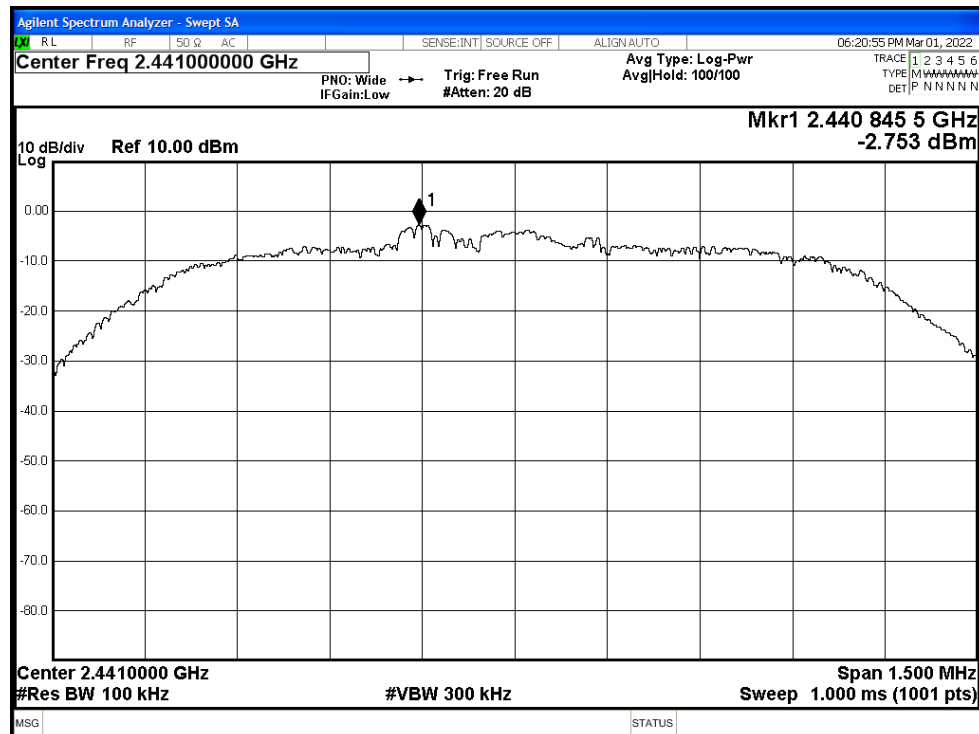


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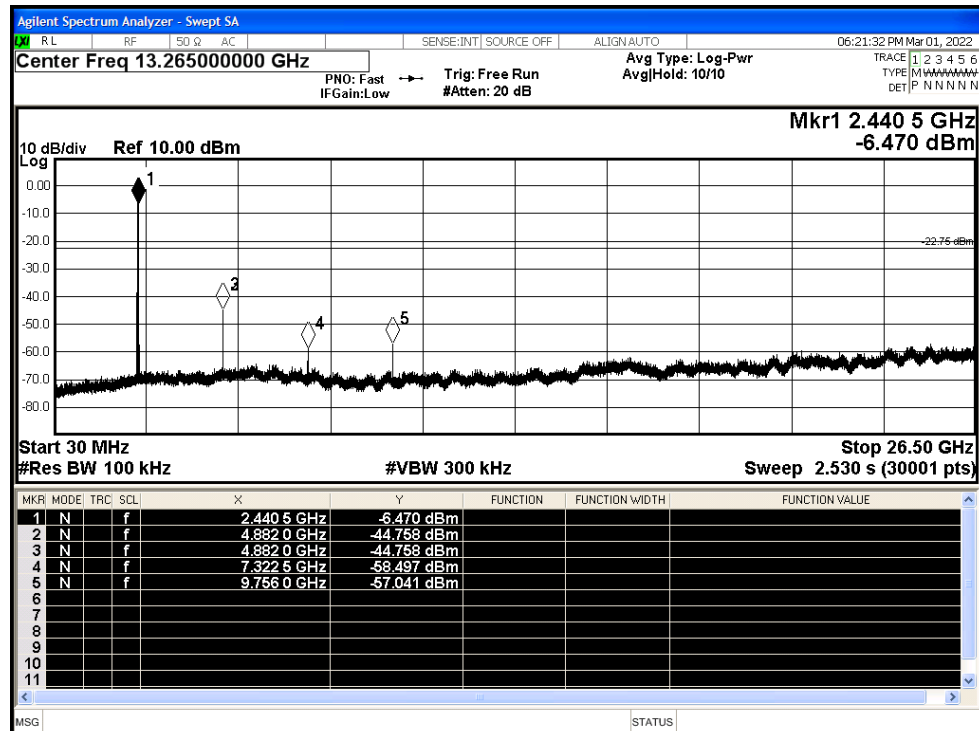




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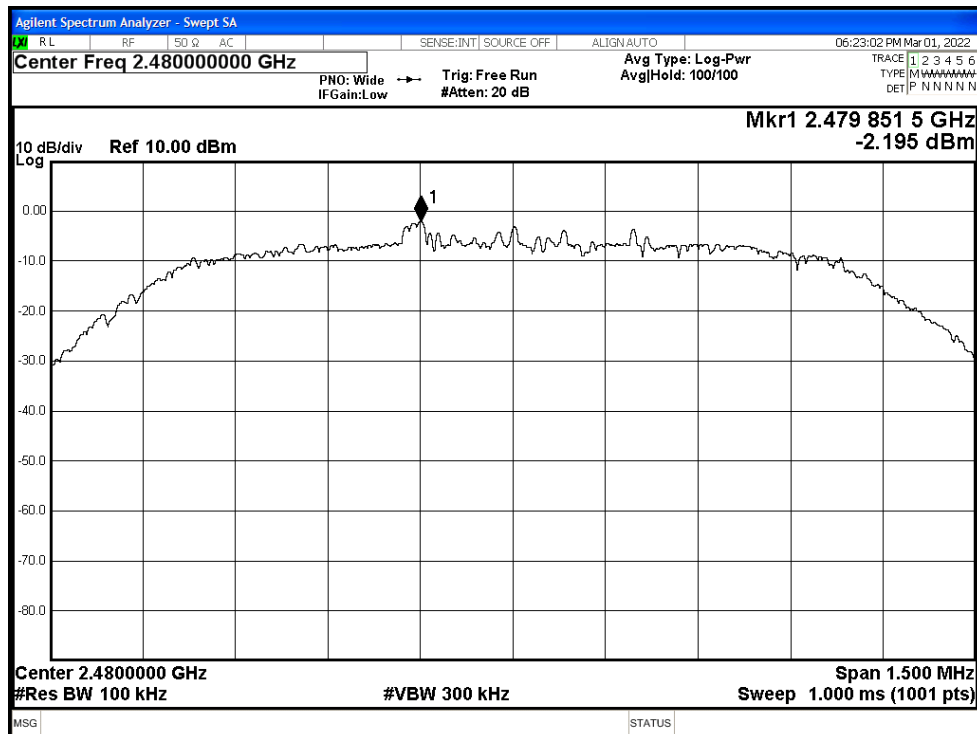


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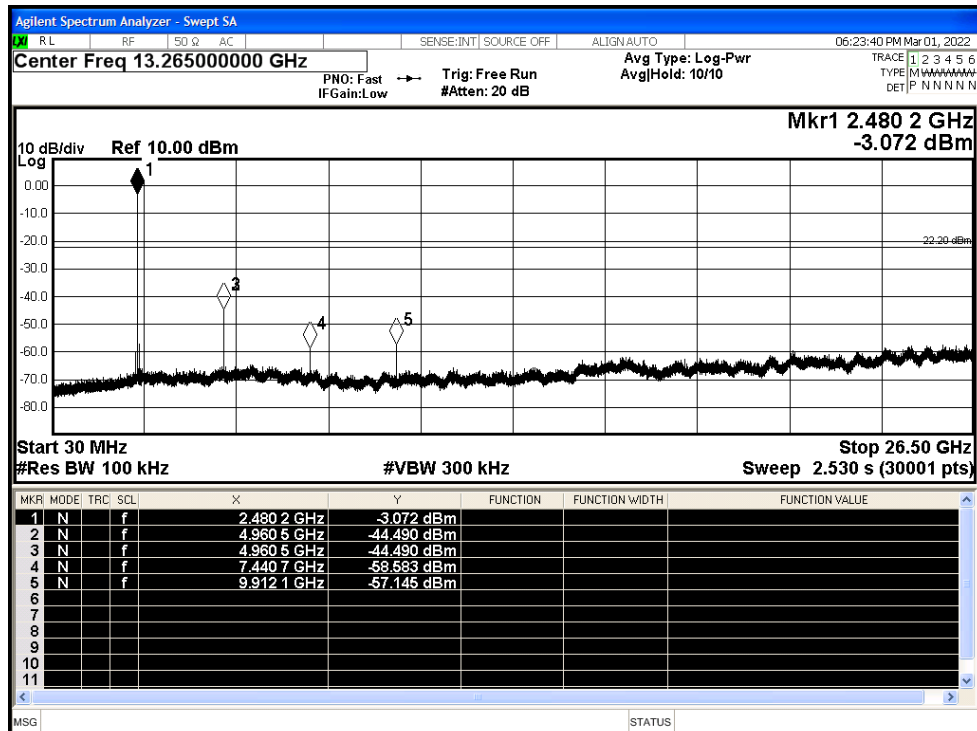




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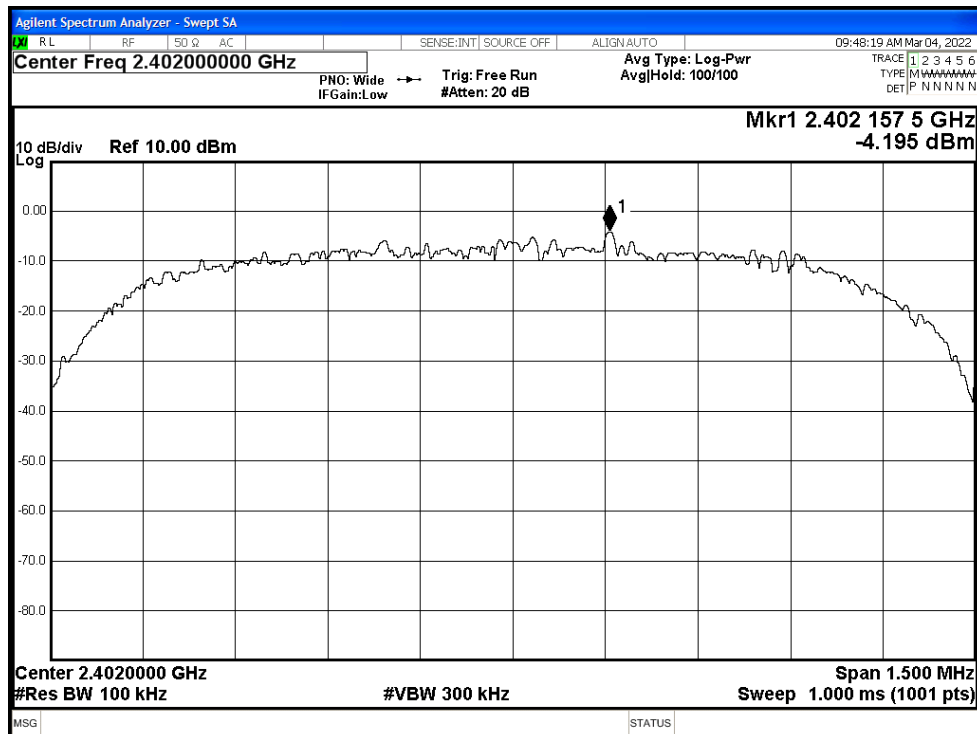


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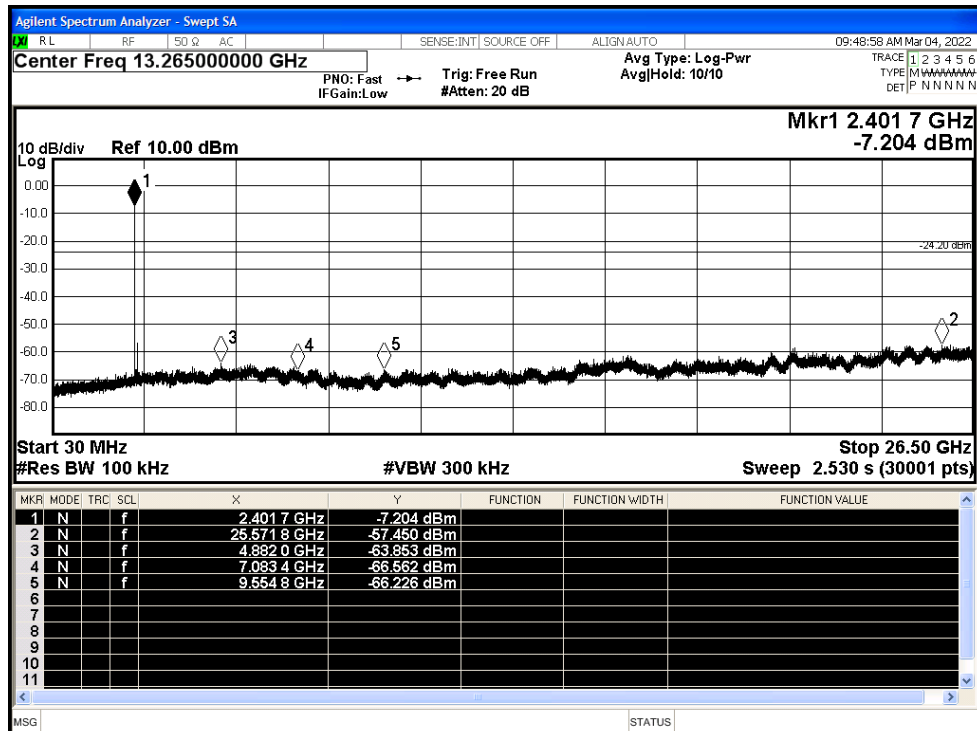




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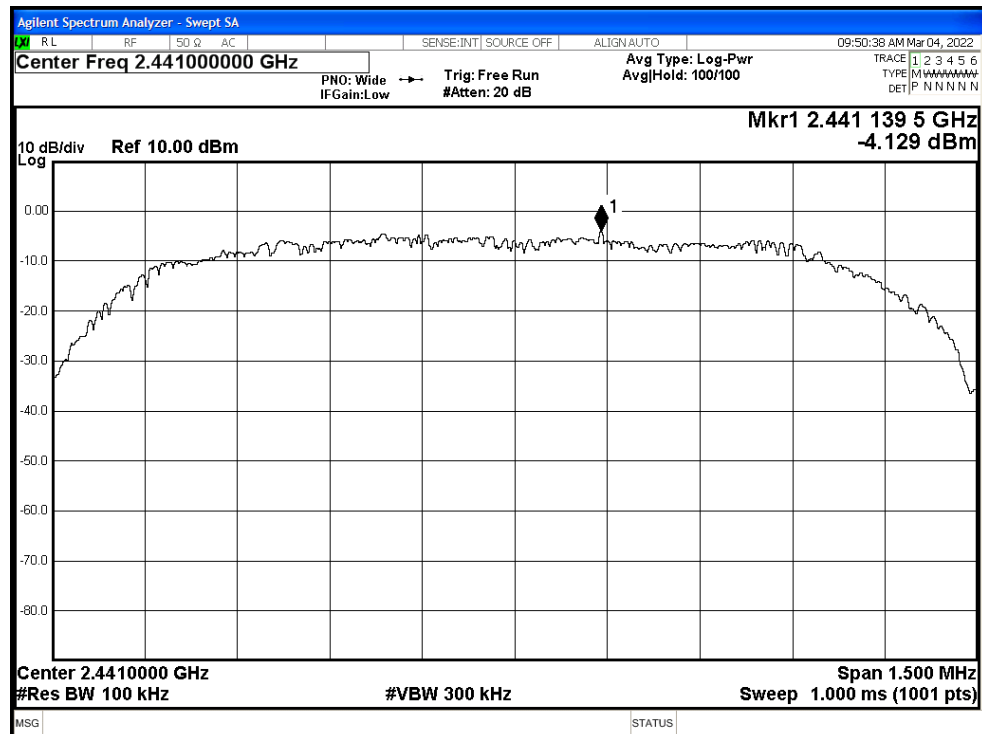


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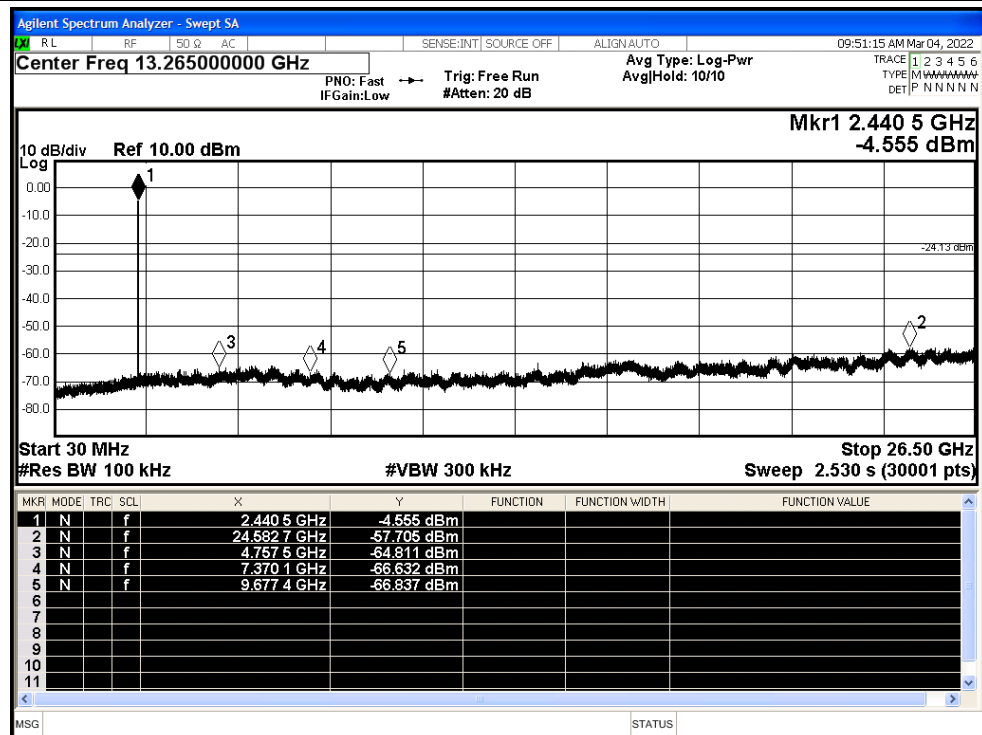




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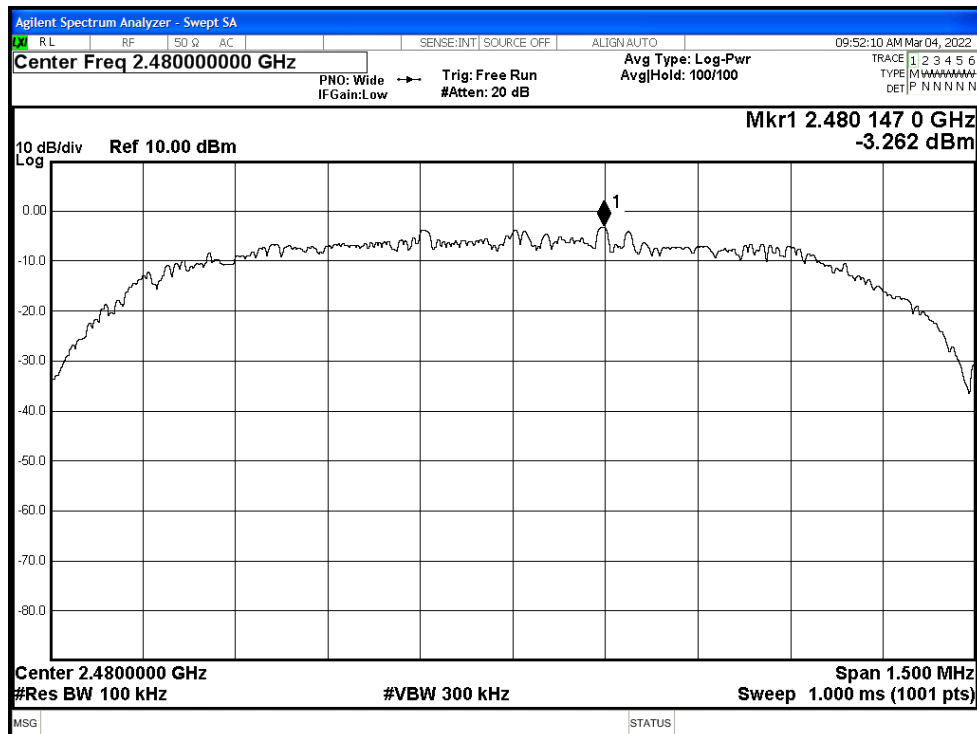


Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Emission

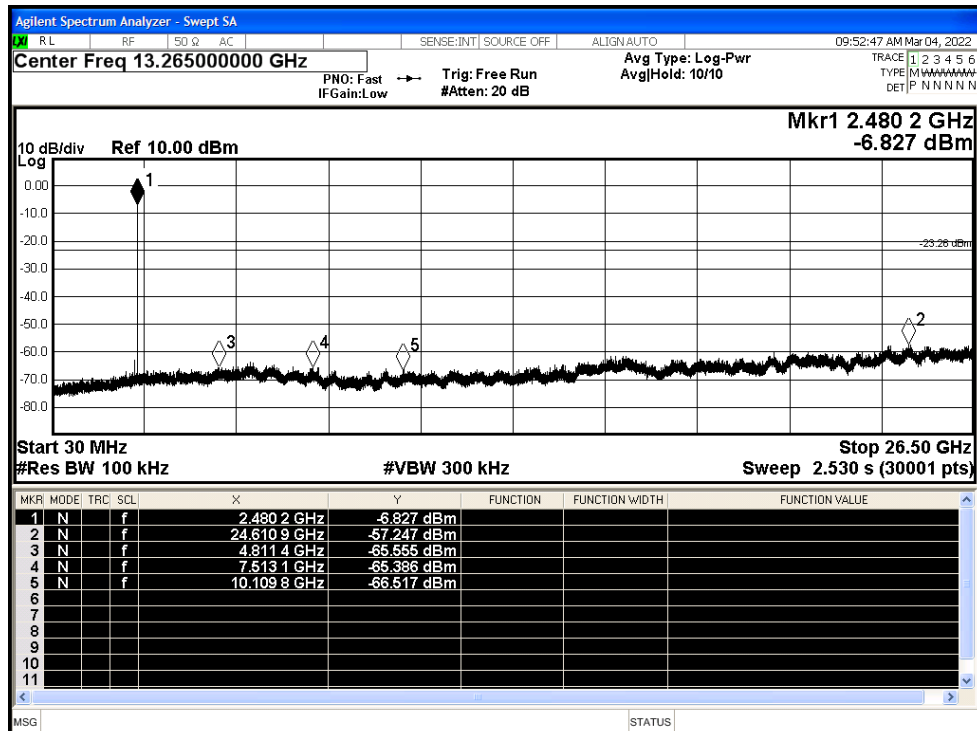




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





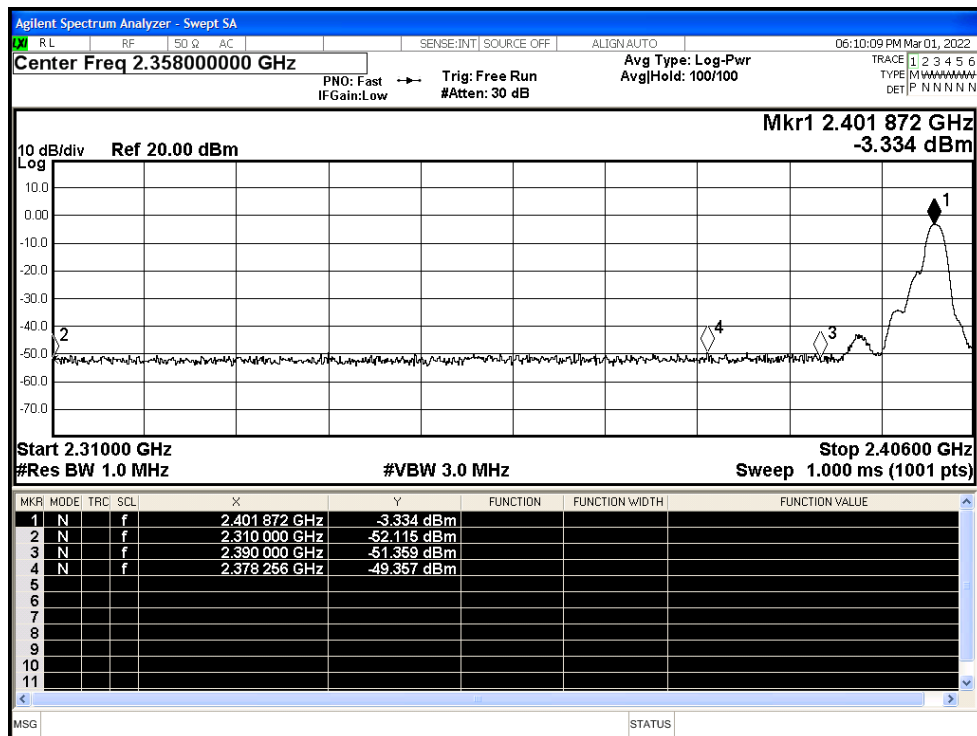
A.8 Emissions at Restricted Band

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	-52.11	2	45.15	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-62.12	2	35.14	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2378.256	-49.35	2	47.91	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2353.776	-60.17	2	37.09	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-52.86	2	44.4	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-61.7	2	35.56	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-43.86	2	53.4	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-50.17	2	47.09	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.776	-43.45	2	53.81	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.944	-50.01	2	47.25	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.73	2	45.53	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-61.63	2	35.63	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.9	2	45.36	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-62.13	2	35.13	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2376.336	-49.1	2	48.16	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2354.16	-60.81	2	36.45	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-50.81	2	46.45	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-61.52	2	35.74	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-43.95	2	53.31	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-51.42	2	45.84	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.56	-41.91	2	55.35	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-51.42	2	45.84	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-51.81	2	45.45	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-61.5	2	35.76	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-52.88	2	44.38	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-61.96	2	35.3	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2359.44	-48.52	2	48.74	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2388.624	-61.46	2	35.8	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-52.84	2	44.42	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-61.69	2	35.57	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-51.37	2	45.89	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-61.07	2	36.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2497.024	-48.98	2	48.28	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-61.07	2	36.19	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50.5	2	46.76	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-61.4	2	35.86	Average	54	Pass

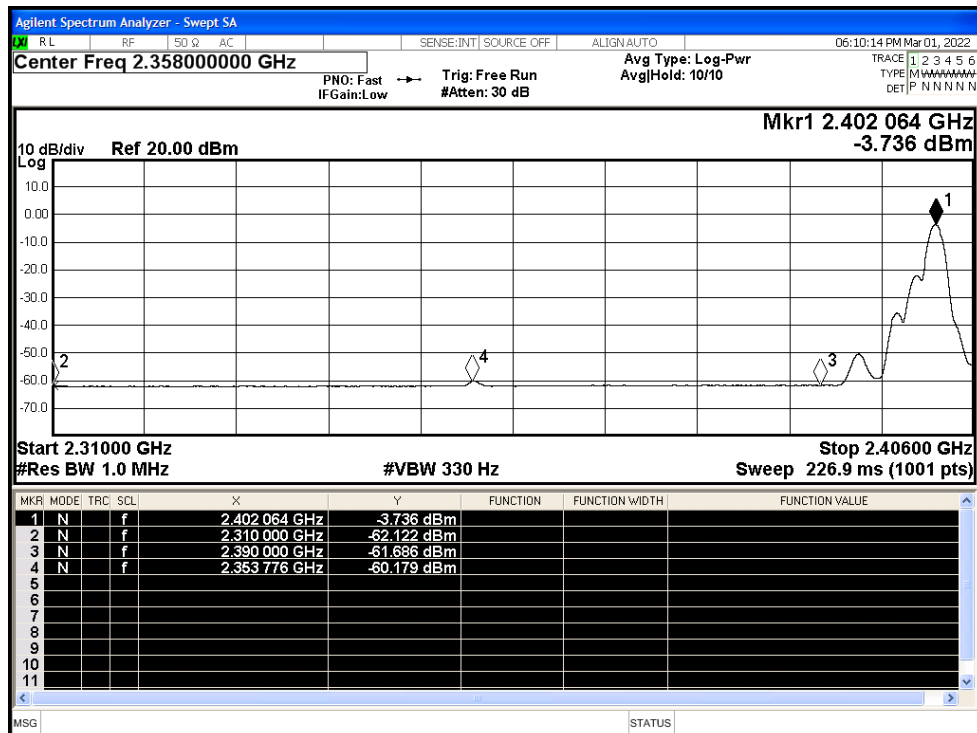


Test Graphs

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

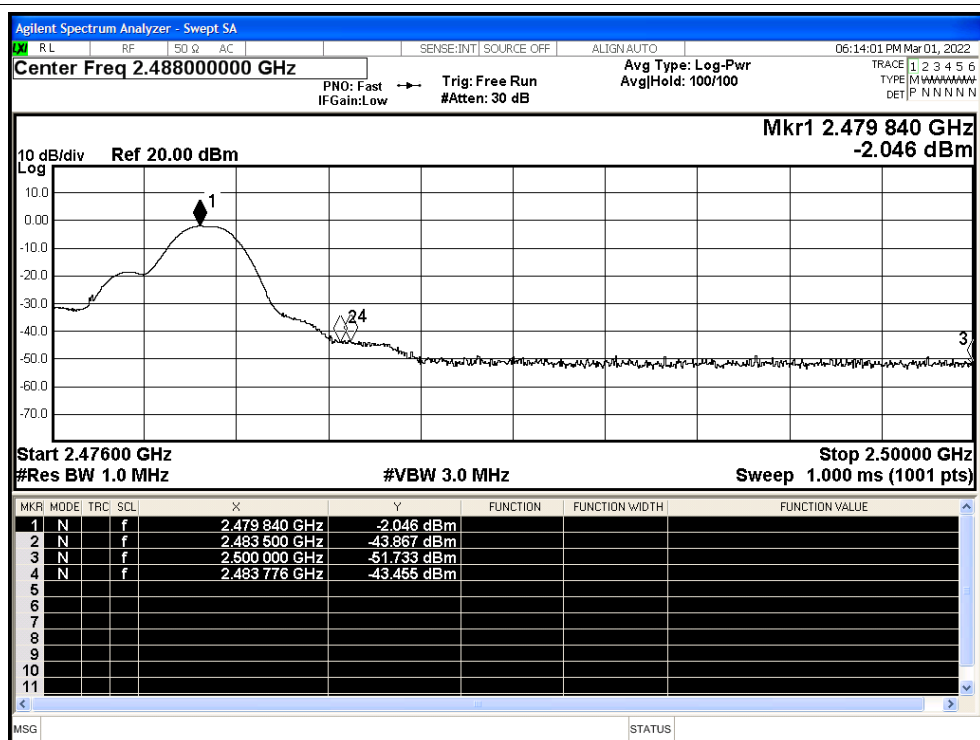


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

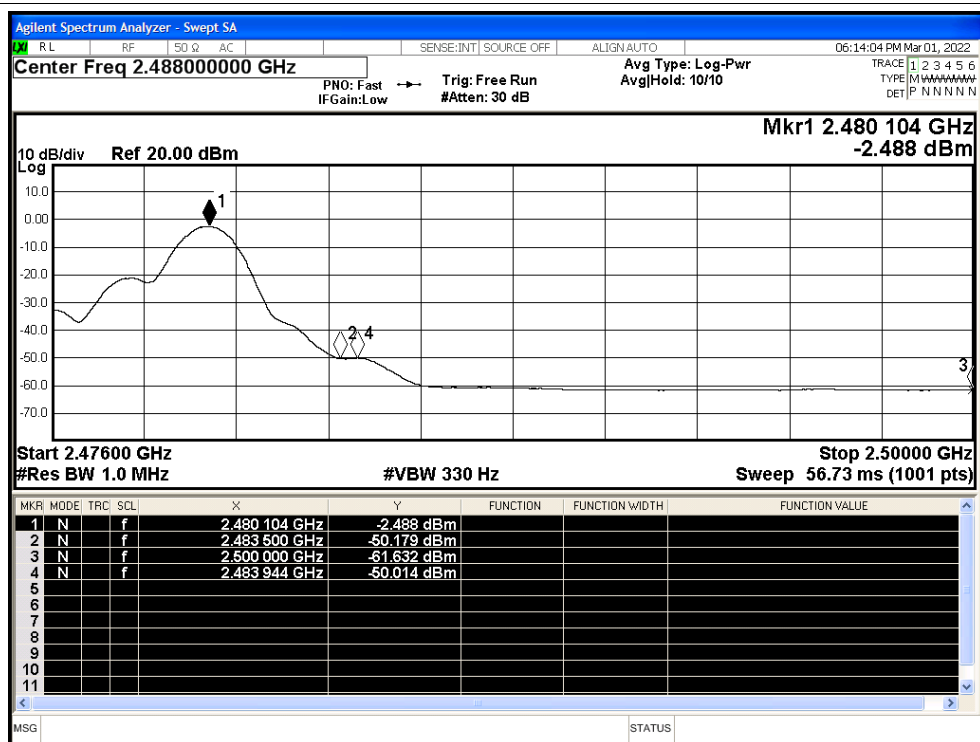




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

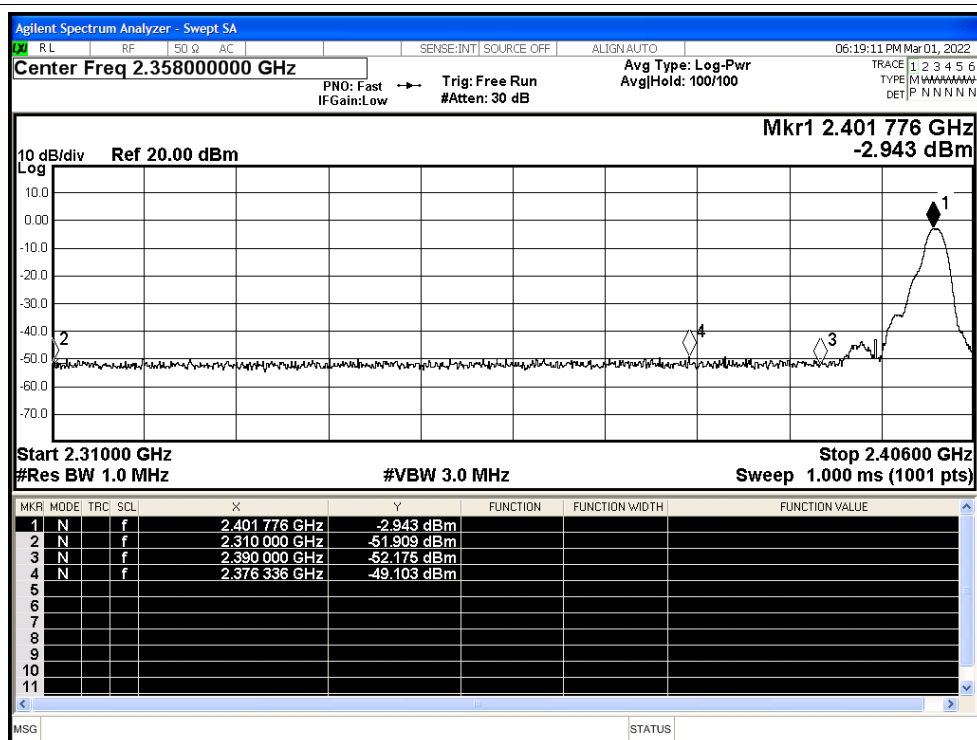


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

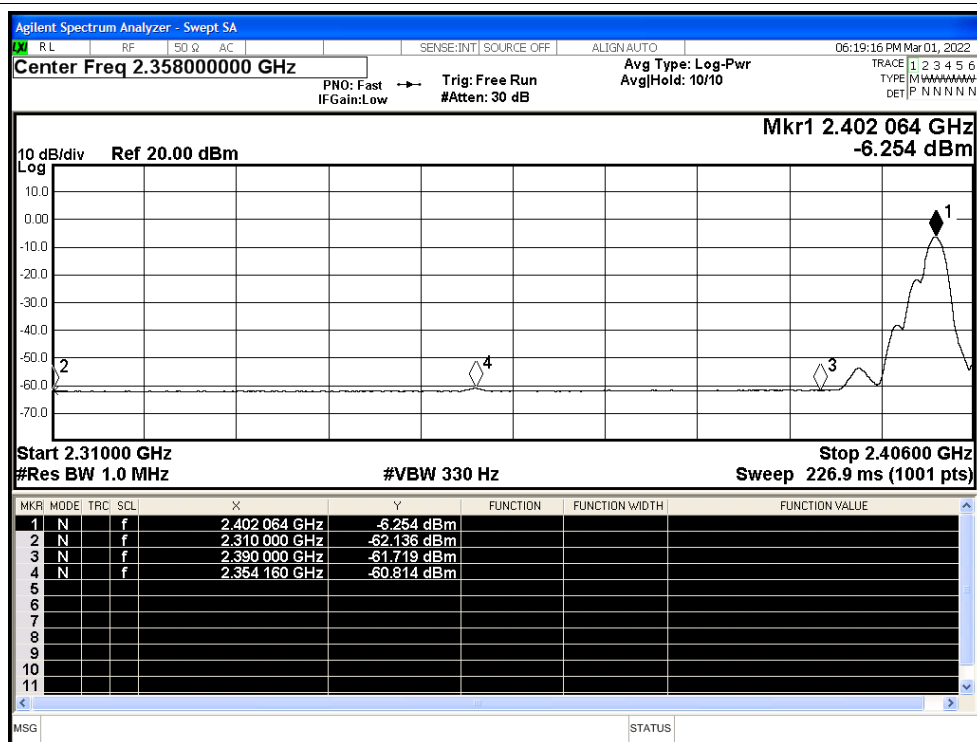




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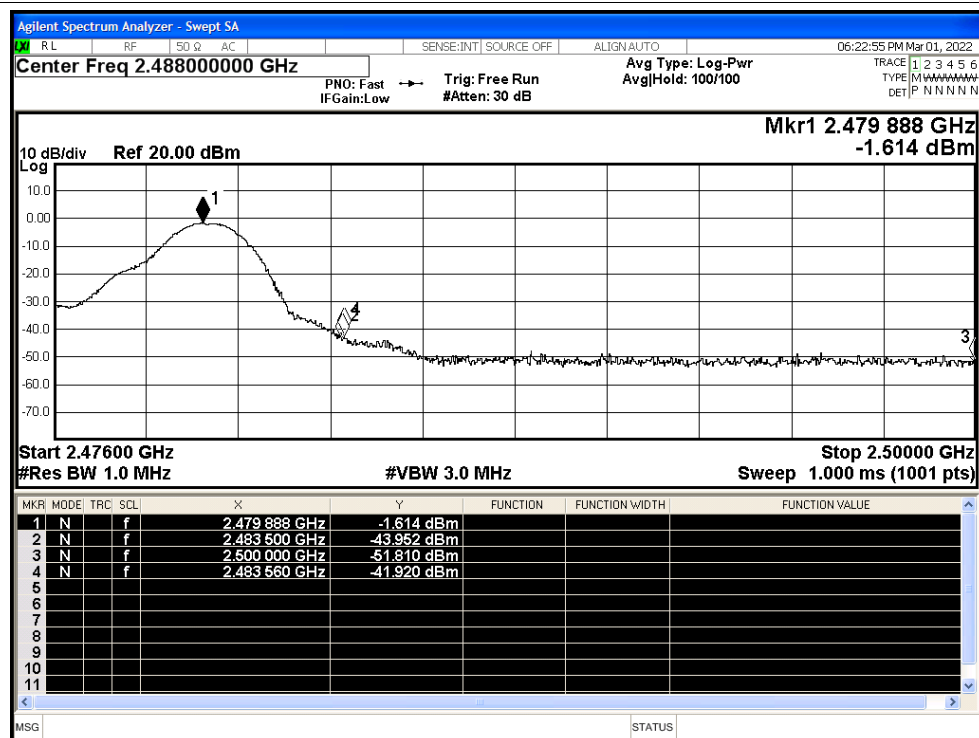


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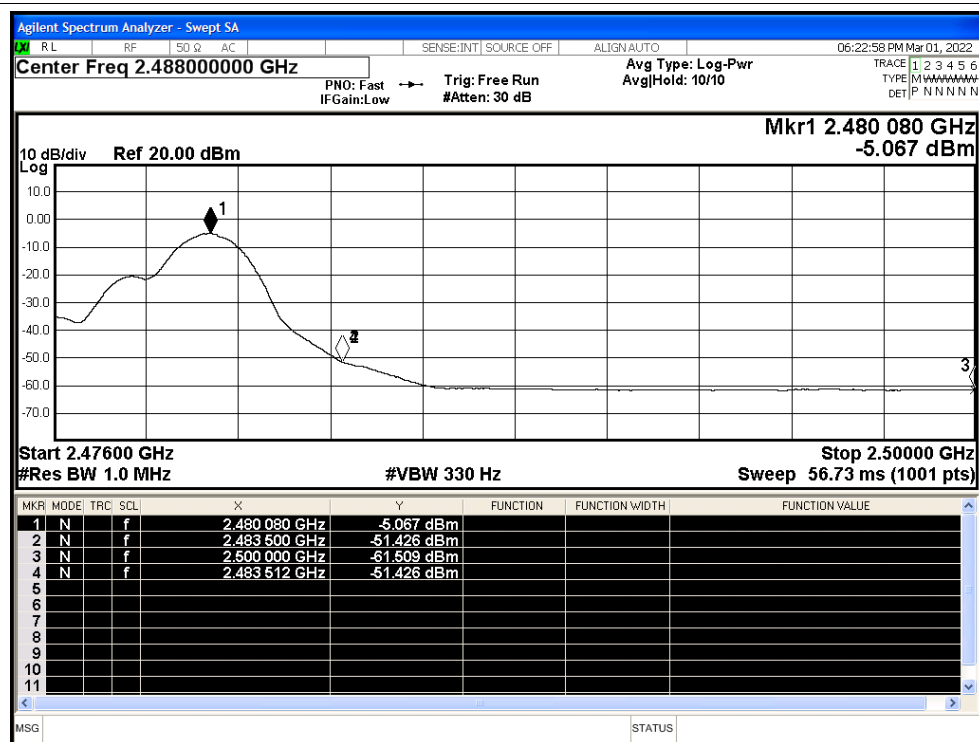




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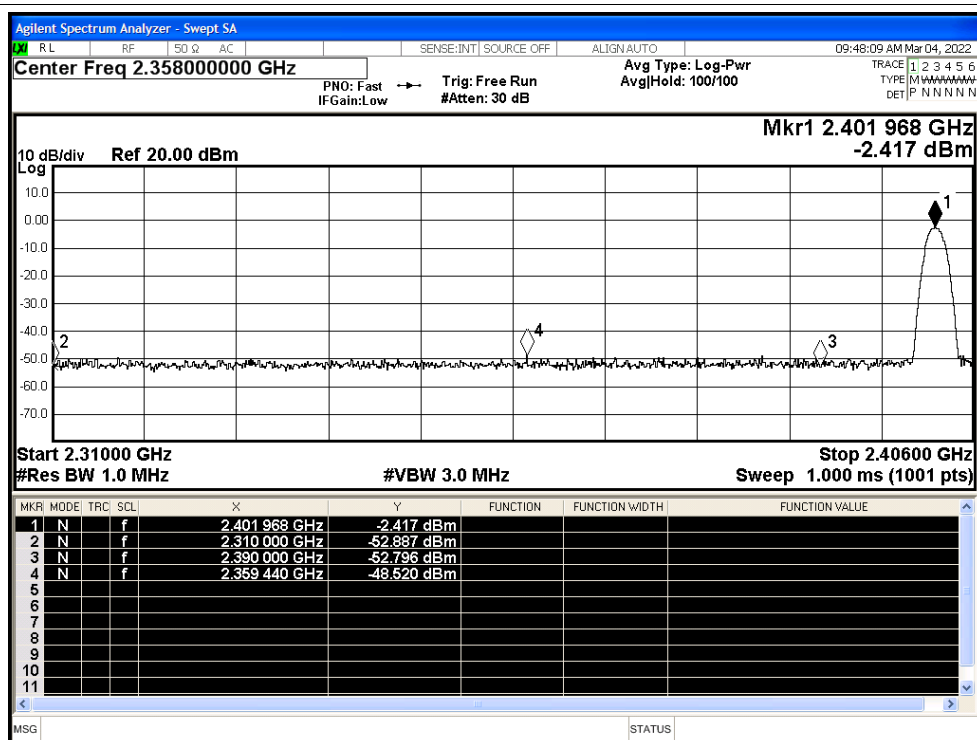


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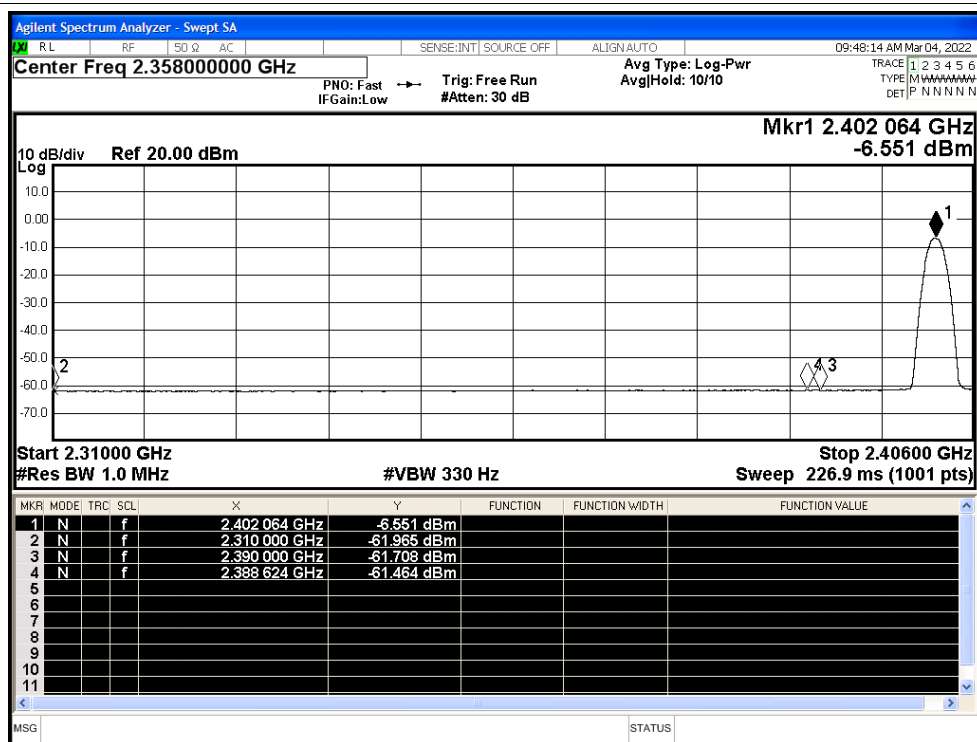




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

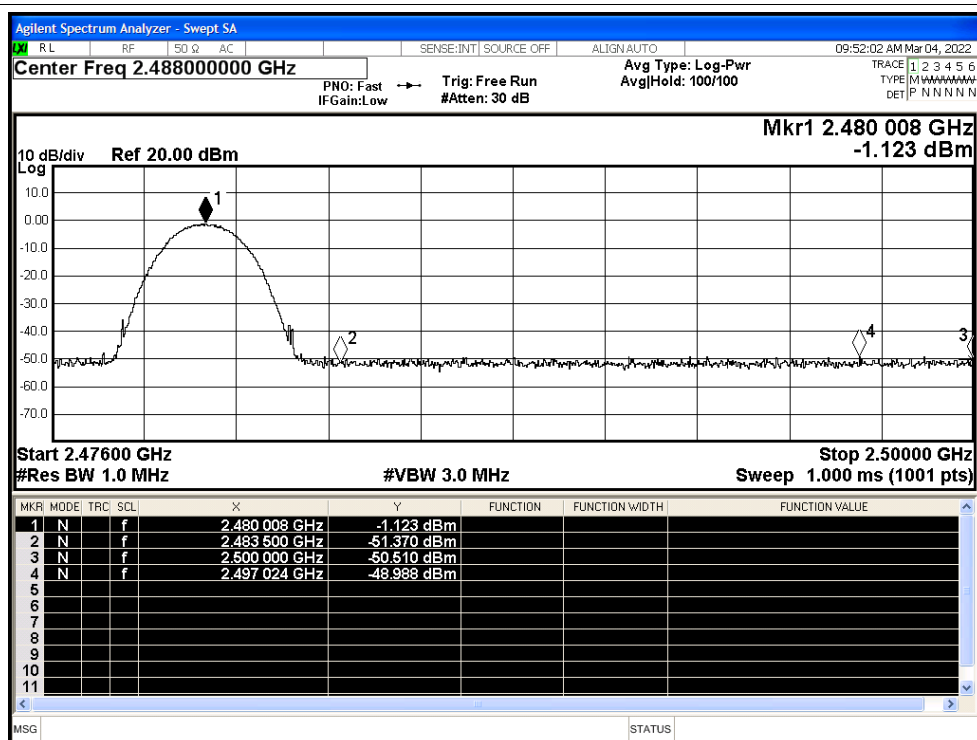


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

