



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: TWS Bluetooth Headset

Test Model: AIHOOR A7

Environmental Conditions

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



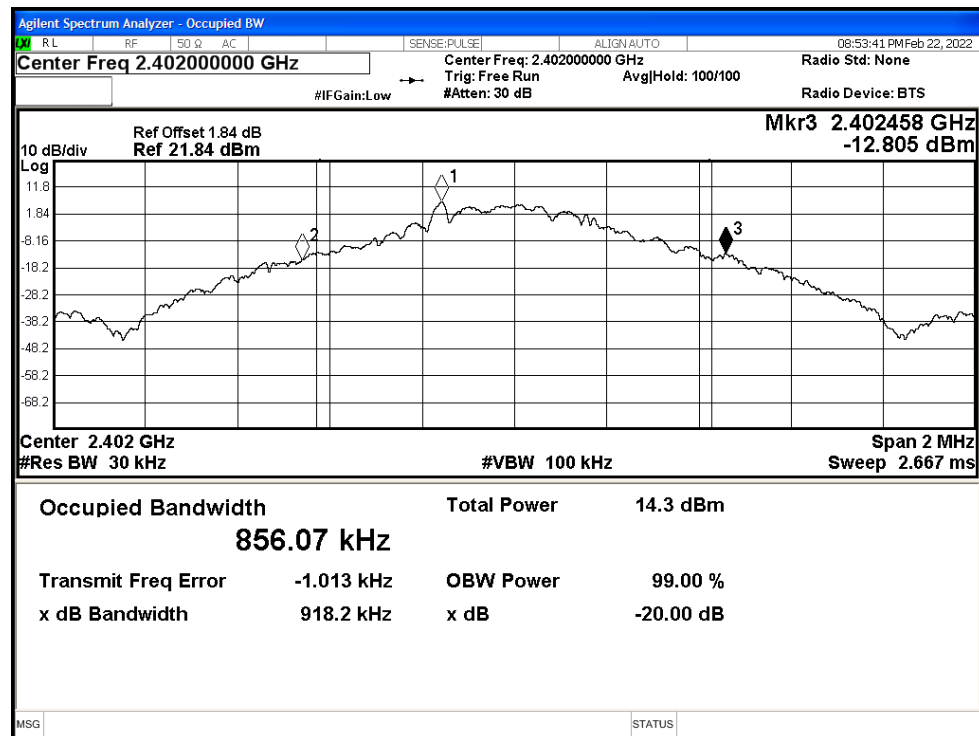
A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.918	No Limit	Pass
NVNT	1-DH5	2441	Ant1	0.909	No Limit	Pass
NVNT	1-DH5	2480	Ant1	0.932	No Limit	Pass
NVNT	2-DH5	2402	Ant1	1.224	No Limit	Pass
NVNT	2-DH5	2441	Ant1	1.224	No Limit	Pass
NVNT	2-DH5	2480	Ant1	1.28	No Limit	Pass
NVNT	3-DH5	2402	Ant1	1.26	No Limit	Pass
NVNT	3-DH5	2441	Ant1	1.27	No Limit	Pass
NVNT	3-DH5	2480	Ant1	1.255	No Limit	Pass



Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

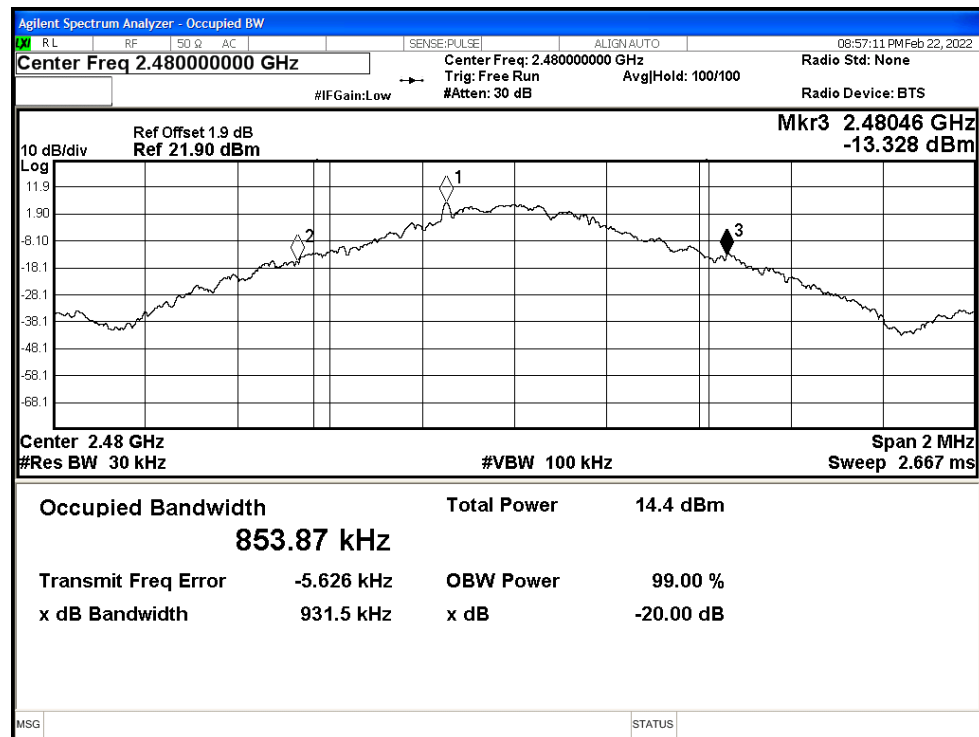


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

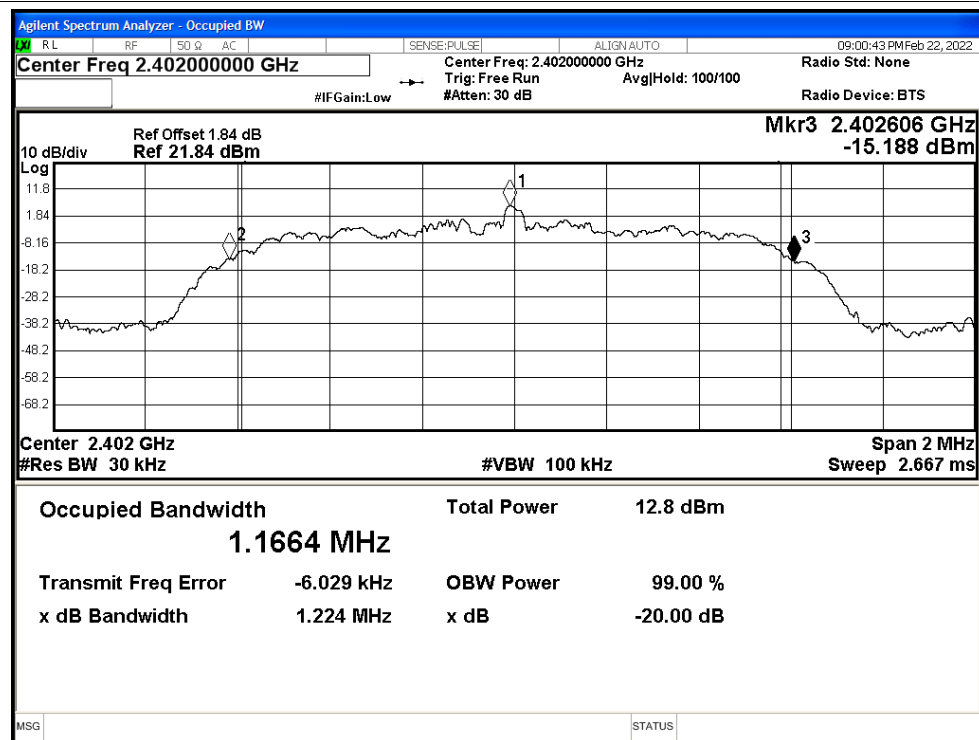




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

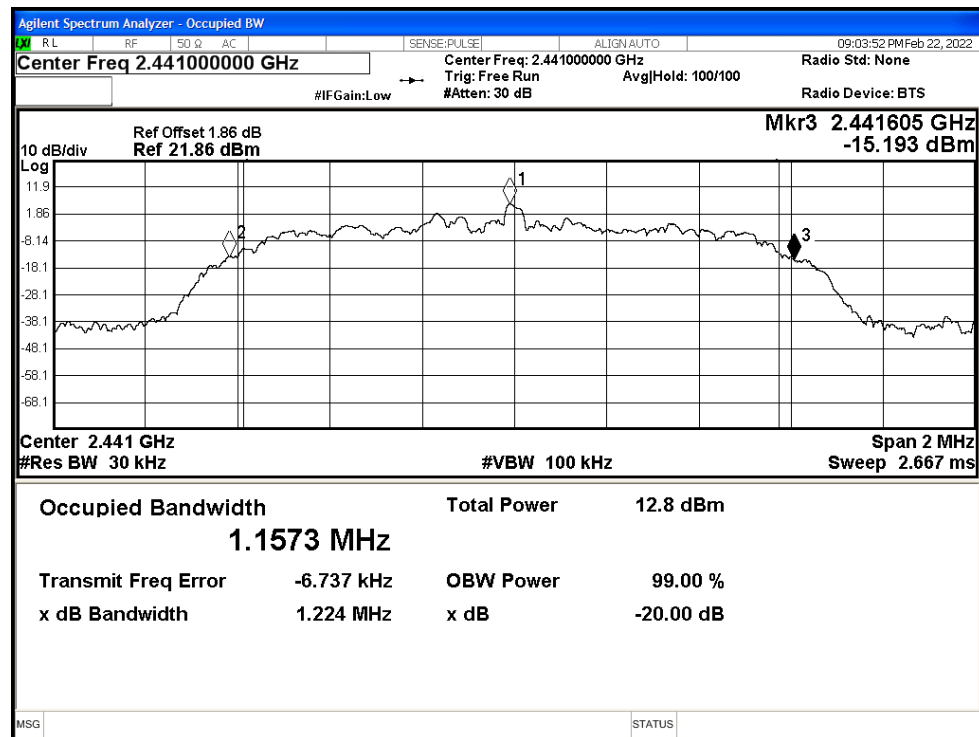


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

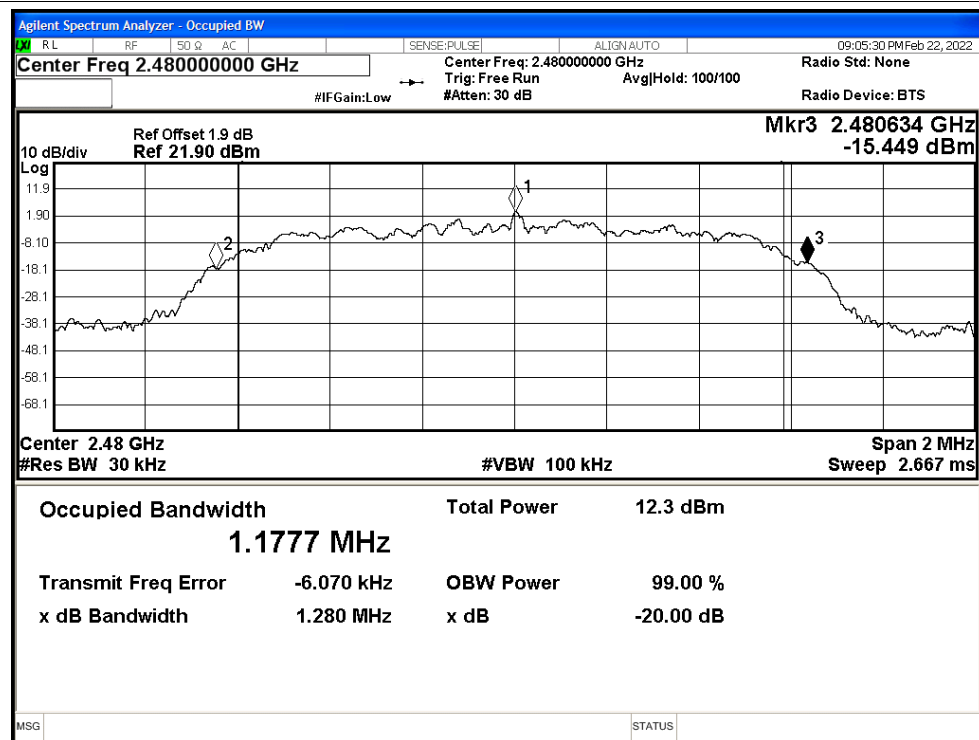




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1

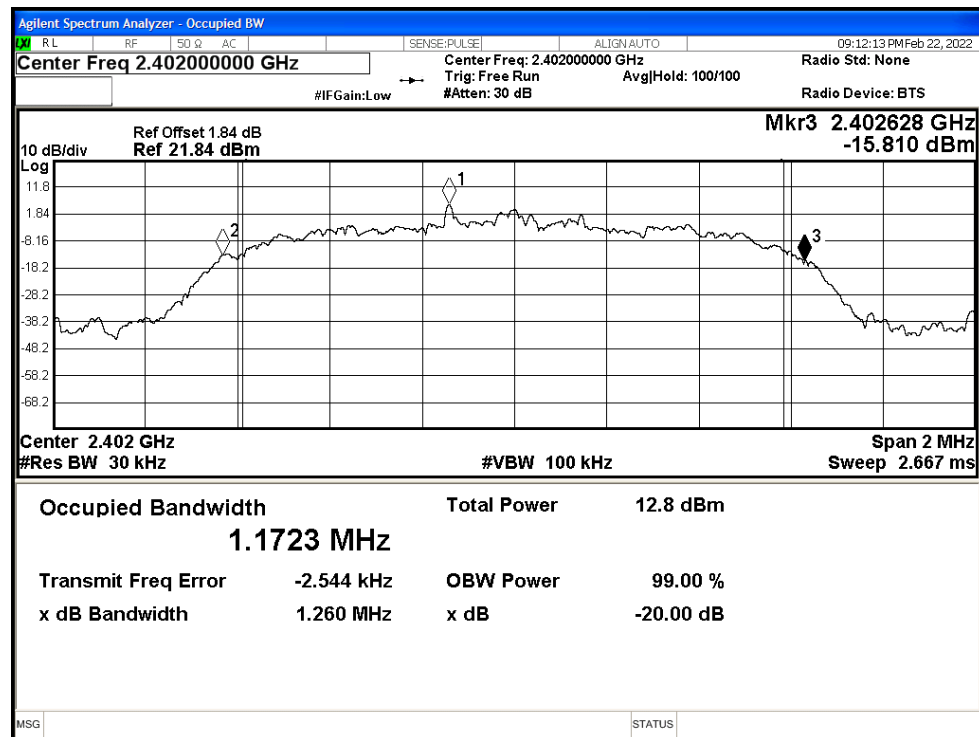


-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

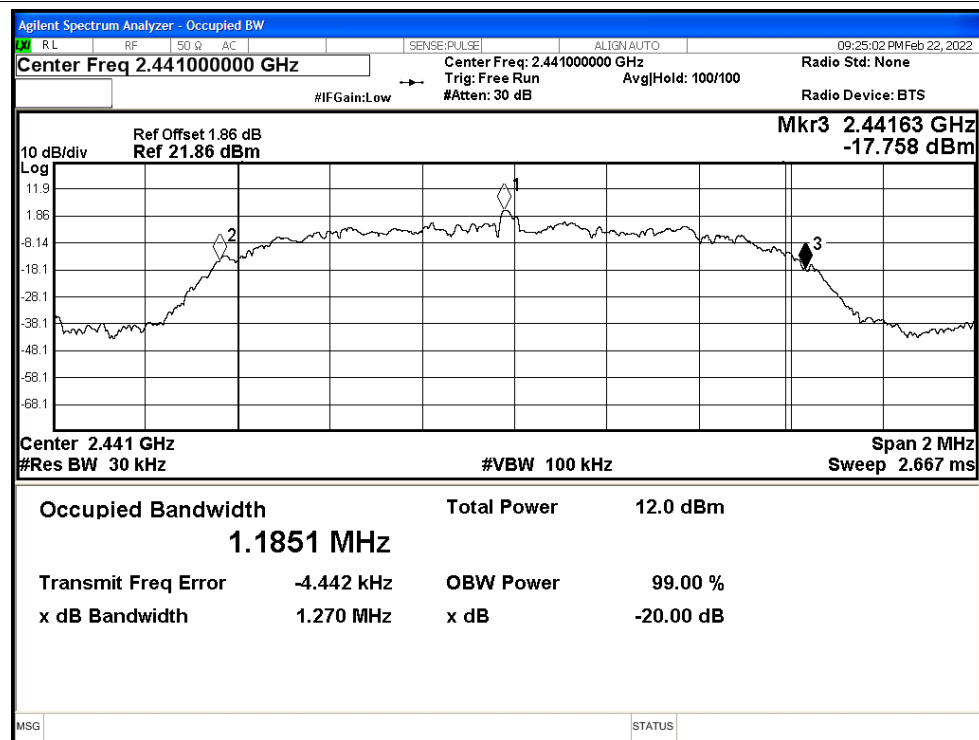


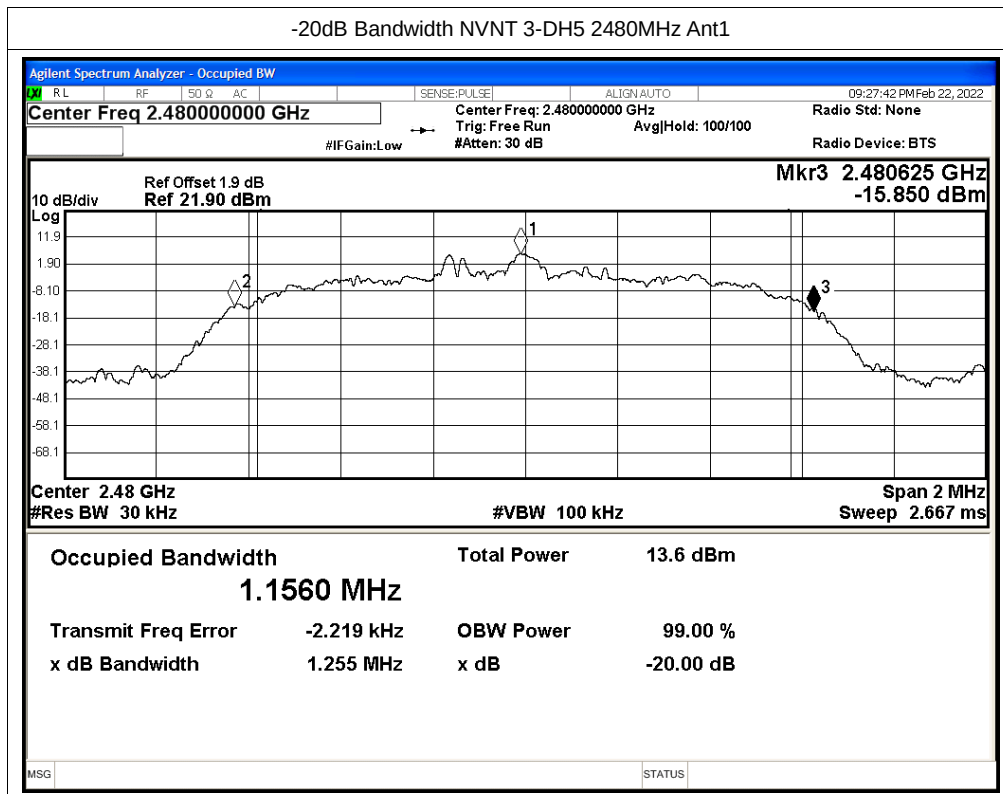


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1







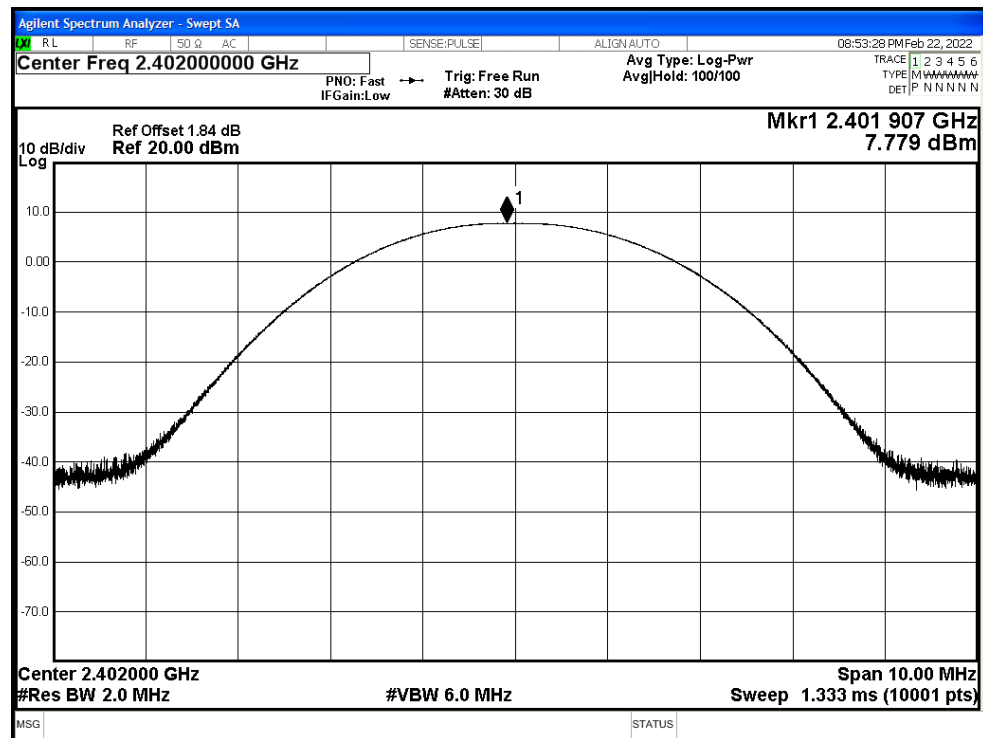
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	7.78	0	7.78	21	Pass
NVNT	1-DH5	2441	Ant1	7.71	0	7.71	21	Pass
NVNT	1-DH5	2480	Ant1	7.87	0	7.87	21	Pass
NVNT	2-DH5	2402	Ant1	7.77	0	7.77	21	Pass
NVNT	2-DH5	2441	Ant1	7.74	0	7.74	21	Pass
NVNT	2-DH5	2480	Ant1	7.9	0	7.9	21	Pass
NVNT	3-DH5	2402	Ant1	7.81	0	7.81	21	Pass
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NVNT	3-DH5	2480	Ant1	7.92	0	7.92	21	Pass

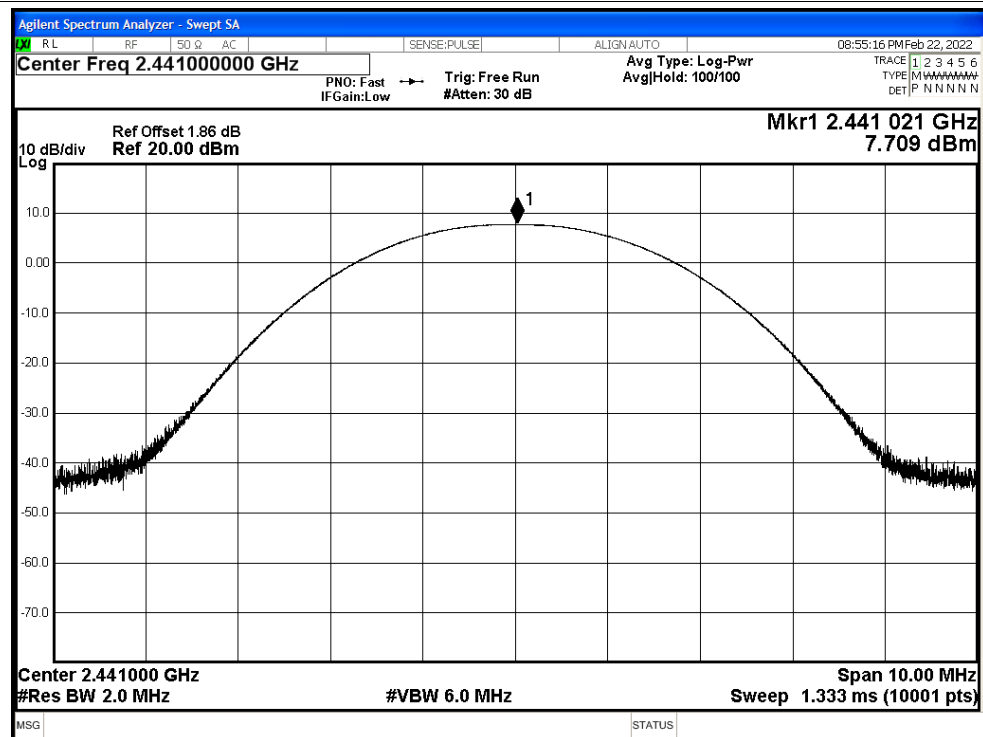


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

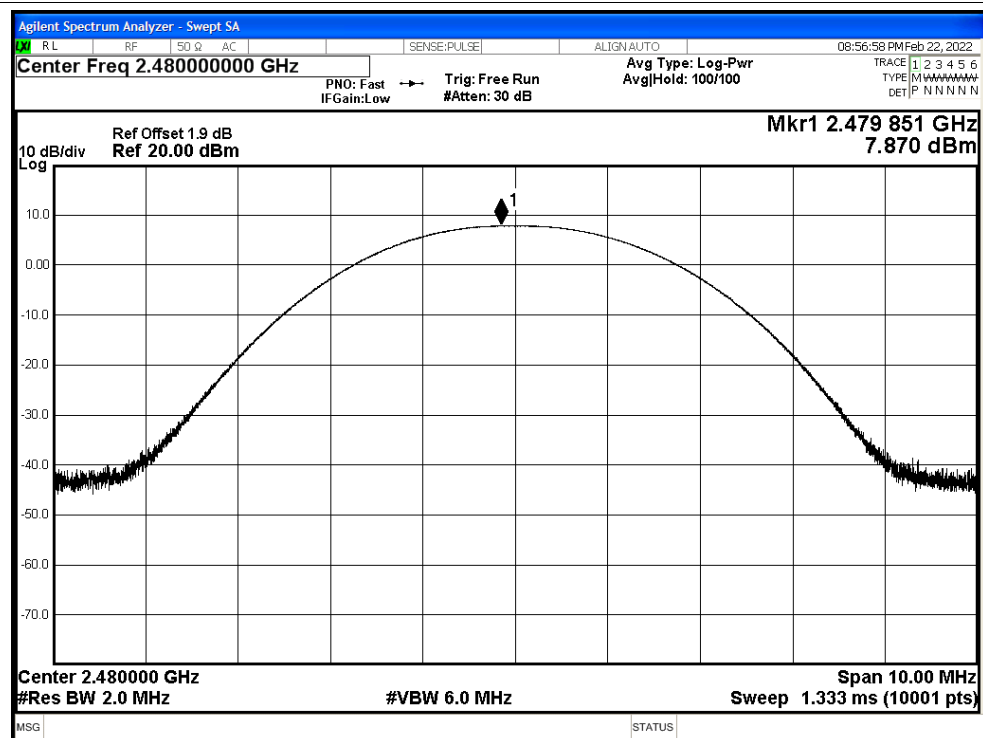


Power NVNT 1-DH5 2441MHz Ant1

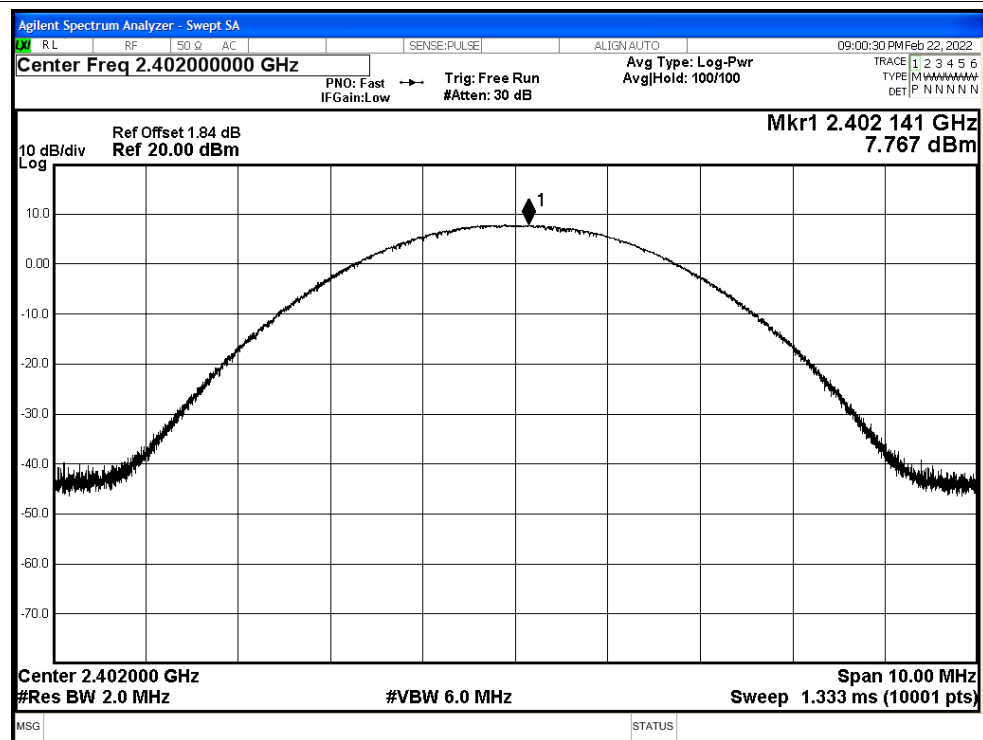




Power NVNT 1-DH5 2480MHz Ant1

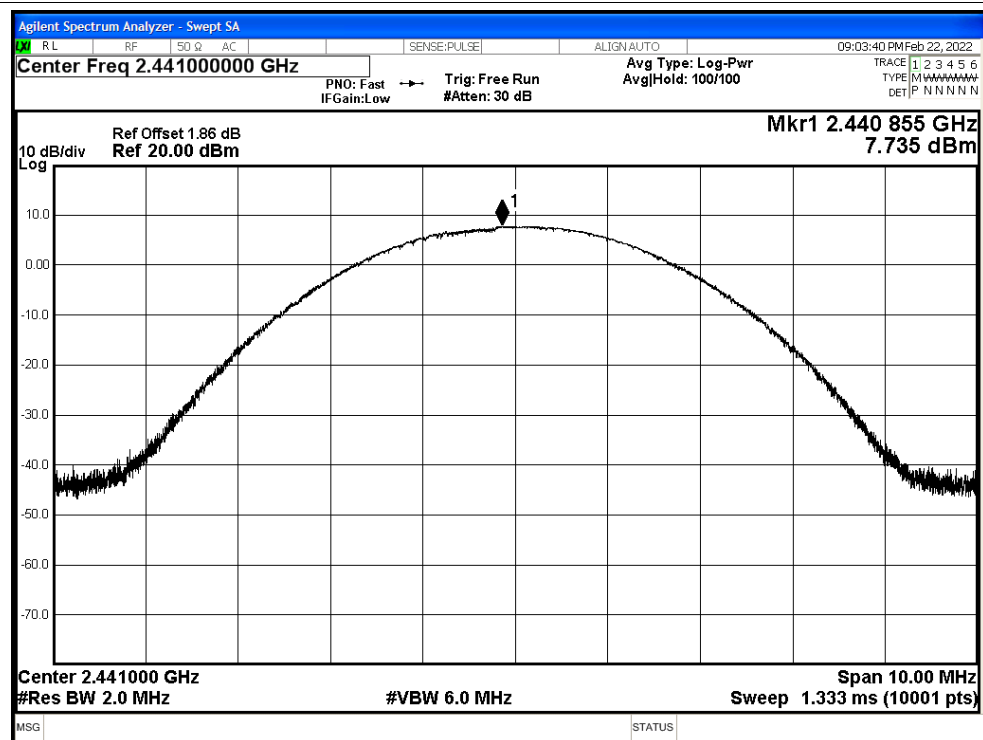


Power NVNT 2-DH5 2402MHz Ant1

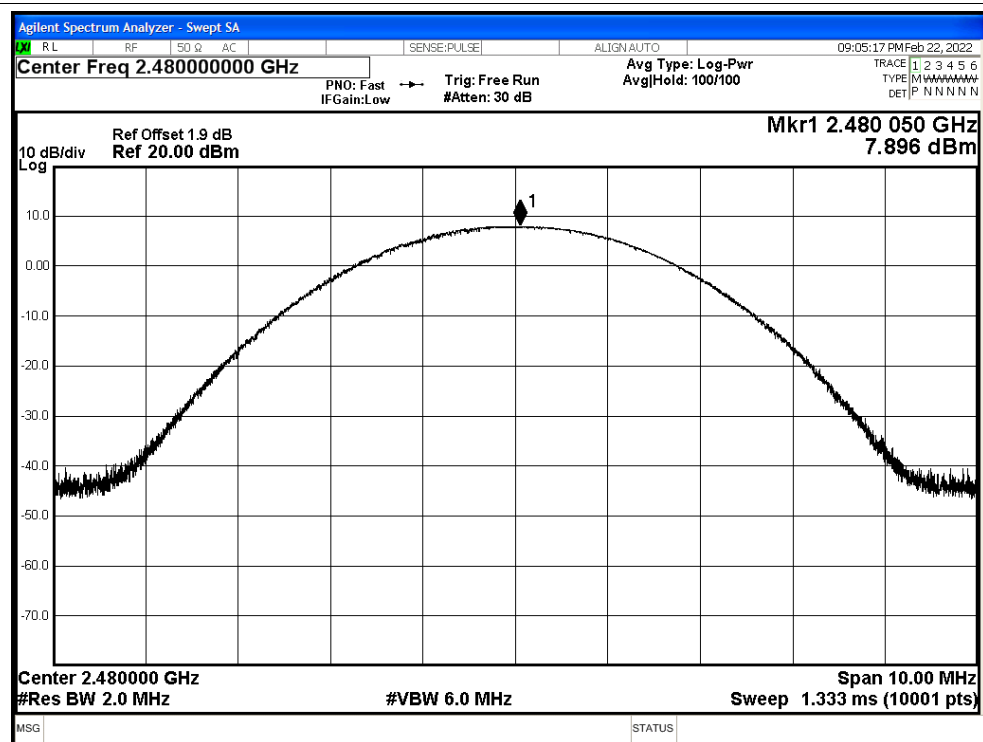




Power NVNT 2-DH5 2441MHz Ant1

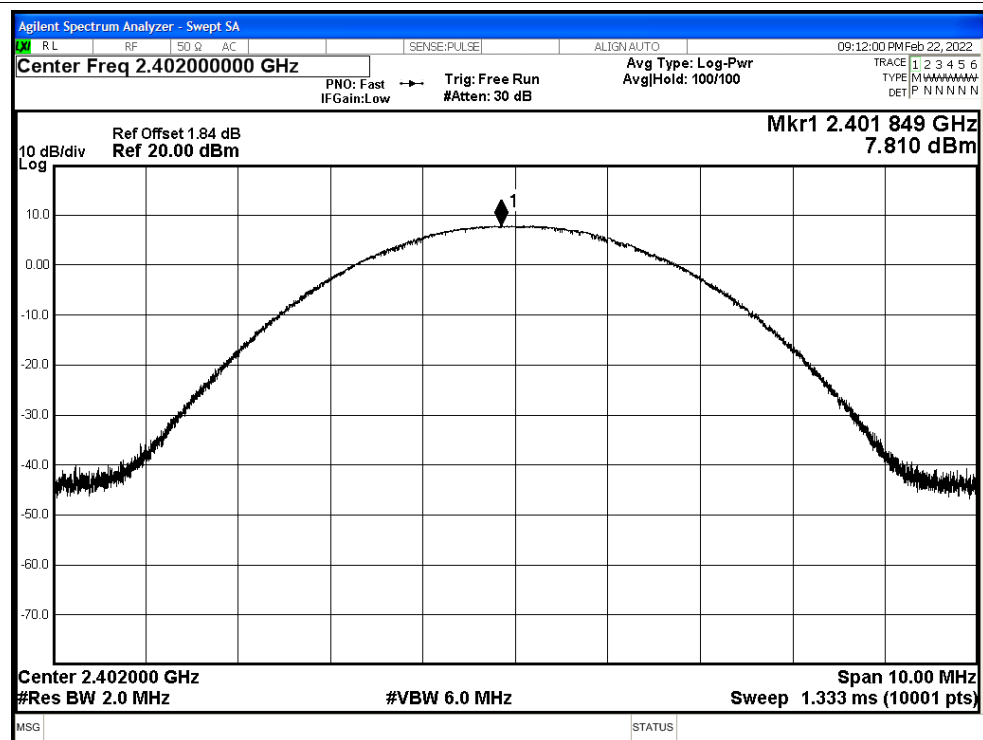


Power NVNT 2-DH5 2480MHz Ant1

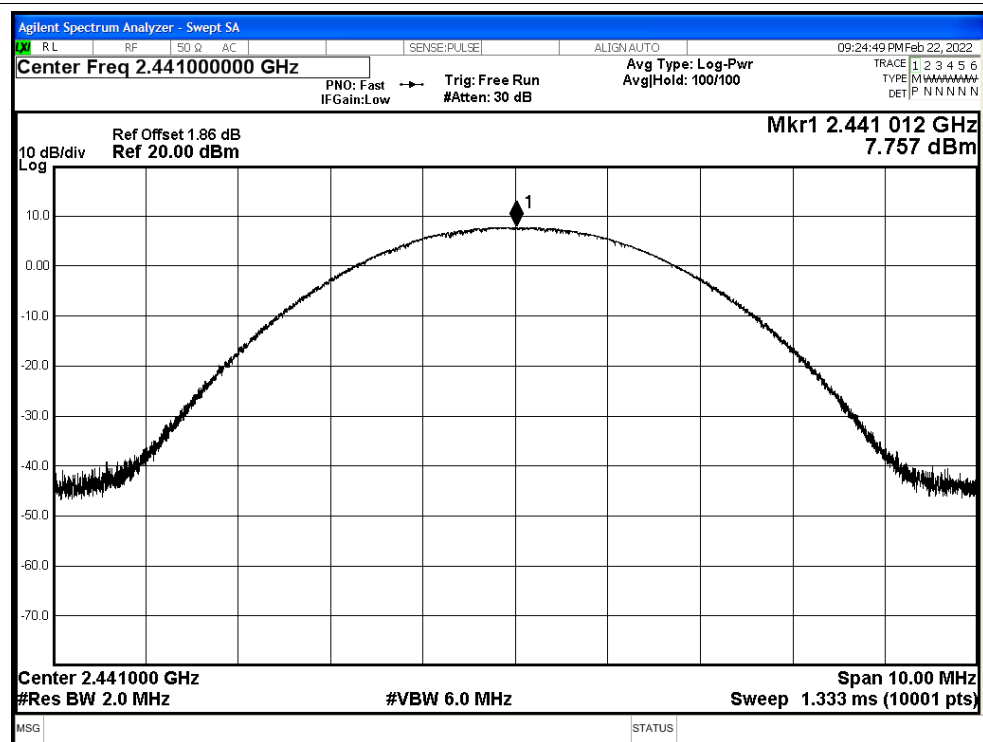


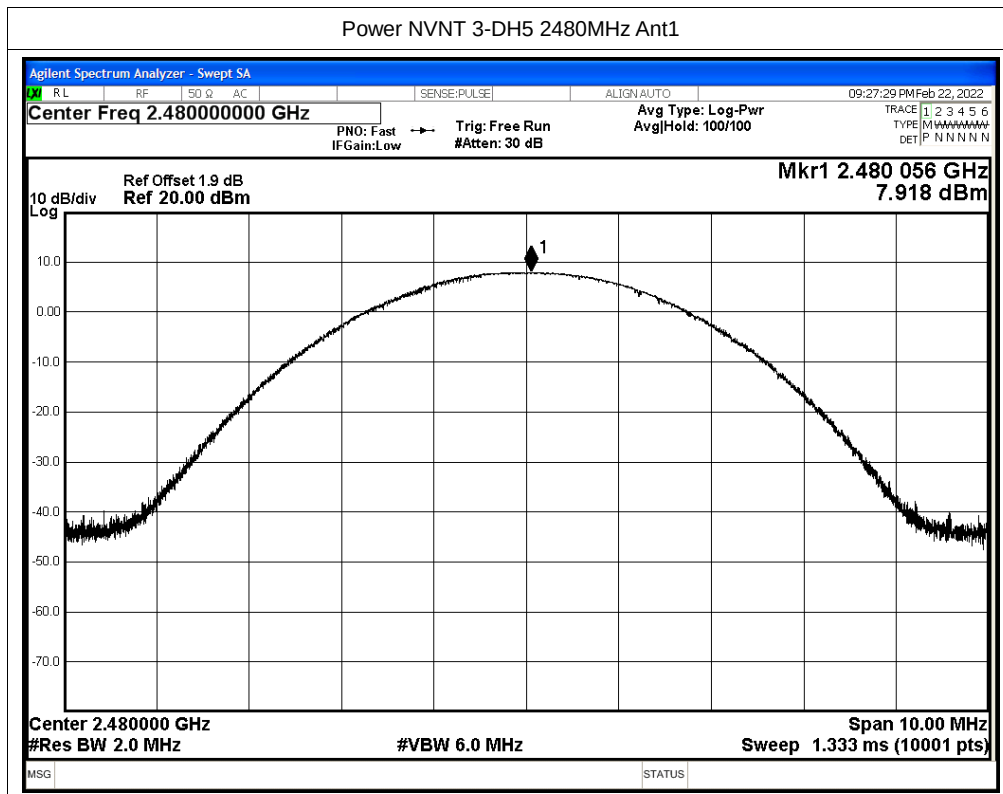


Power NVNT 3-DH5 2402MHz Ant1



Power NVNT 3-DH5 2441MHz Ant1







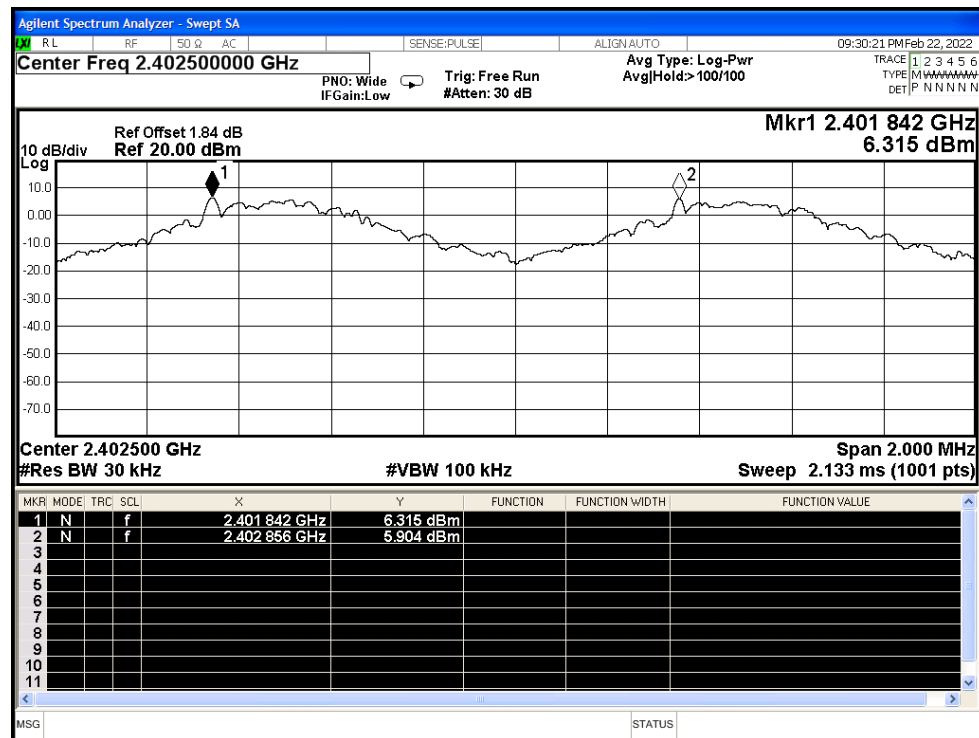
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.842	2402.856	1.014	0.612	Pass
NVNT	1-DH5	Ant1	2440.968	2442.016	1.048	0.606	Pass
NVNT	1-DH5	Ant1	2478.852	2479.844	0.992	0.621	Pass
NVNT	2-DH5	Ant1	2401.976	2402.888	0.912	0.816	Pass
NVNT	2-DH5	Ant1	2440.834	2441.996	1.162	0.816	Pass
NVNT	2-DH5	Ant1	2478.992	2479.992	1	0.853	Pass
NVNT	3-DH5	Ant1	2401.99	2403.152	1.162	0.84	Pass
NVNT	3-DH5	Ant1	2440.864	2441.994	1.13	0.847	Pass
NVNT	3-DH5	Ant1	2479.004	2479.846	0.842	0.837	Pass

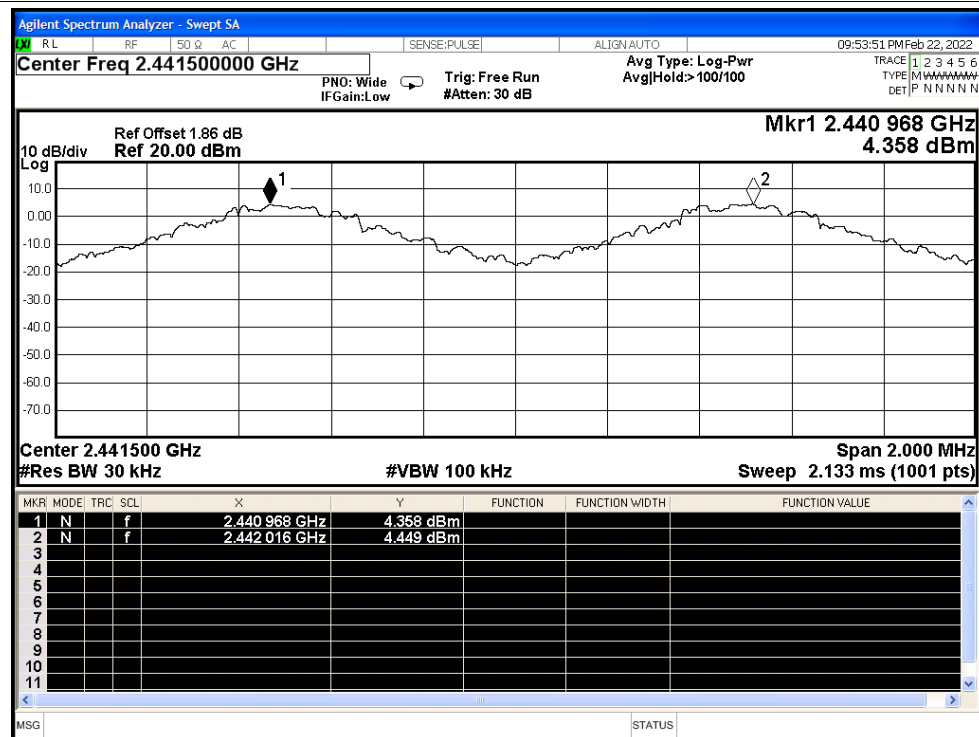


Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

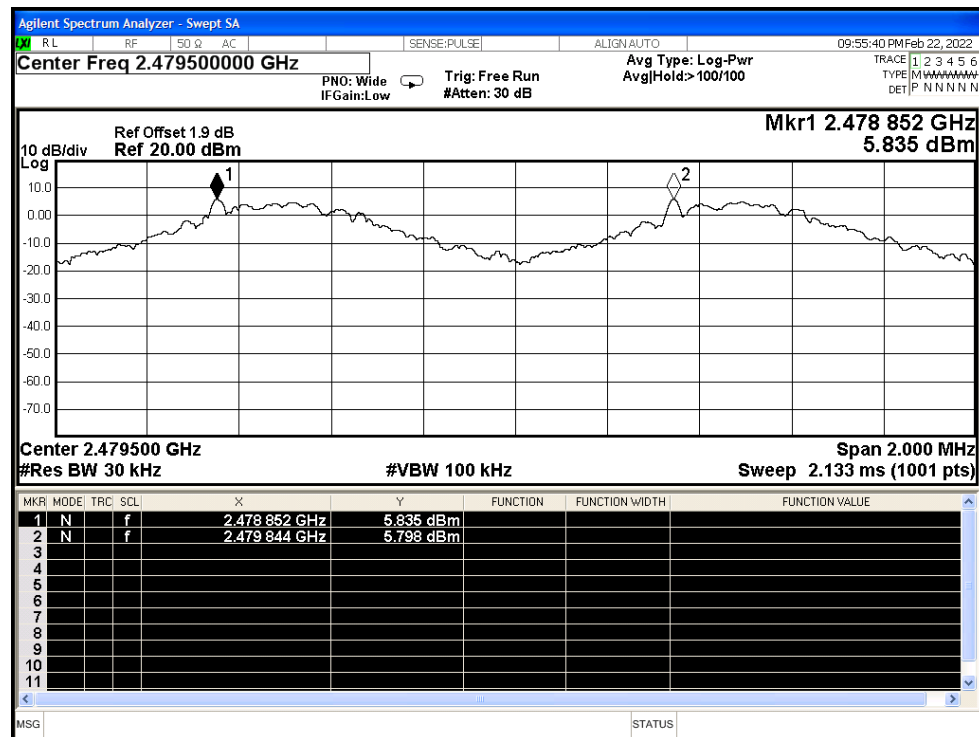


CFS NVNT 1-DH5 2441MHz Ant1

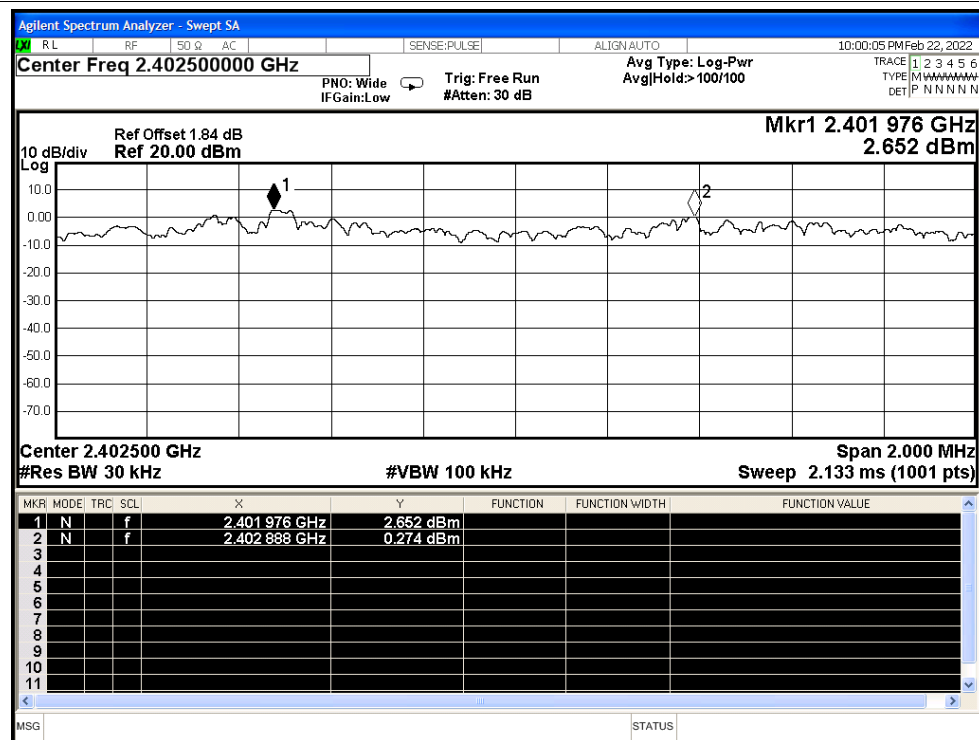




CFS NVNT 1-DH5 2480MHz Ant1

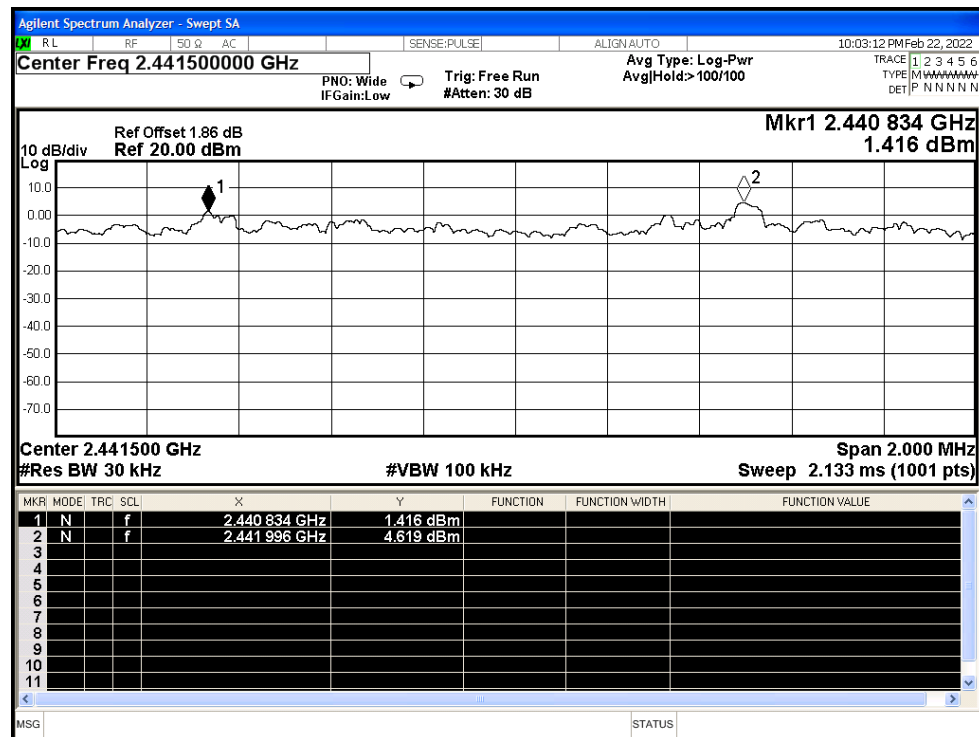


CFS NVNT 2-DH5 2402MHz Ant1

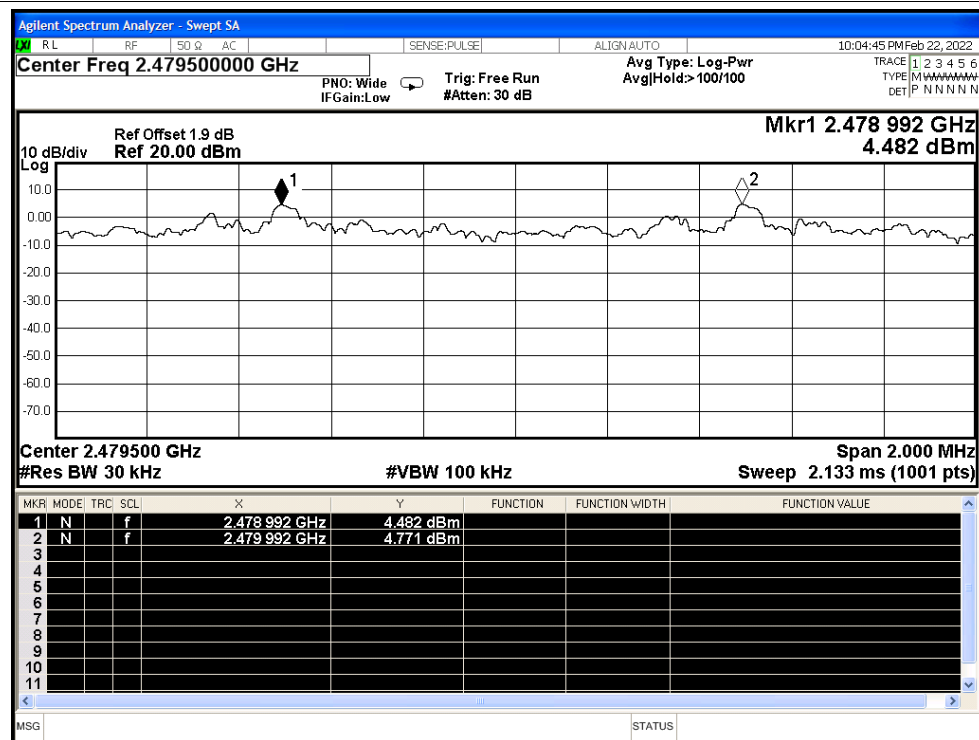




CFS NVNT 2-DH5 2441MHz Ant1

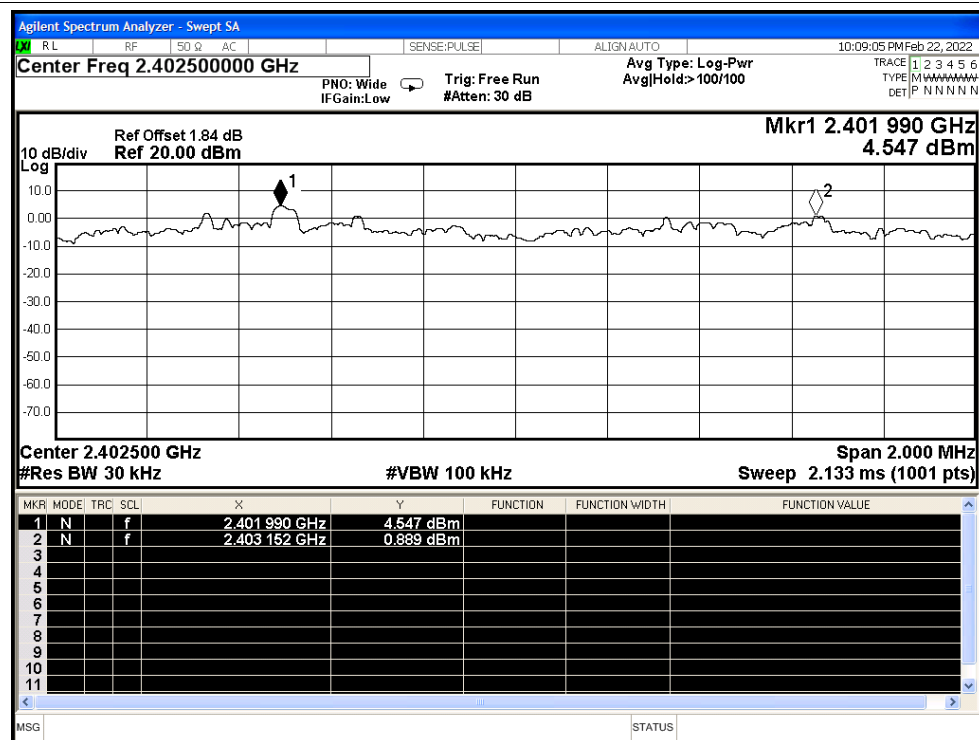


CFS NVNT 2-DH5 2480MHz Ant1

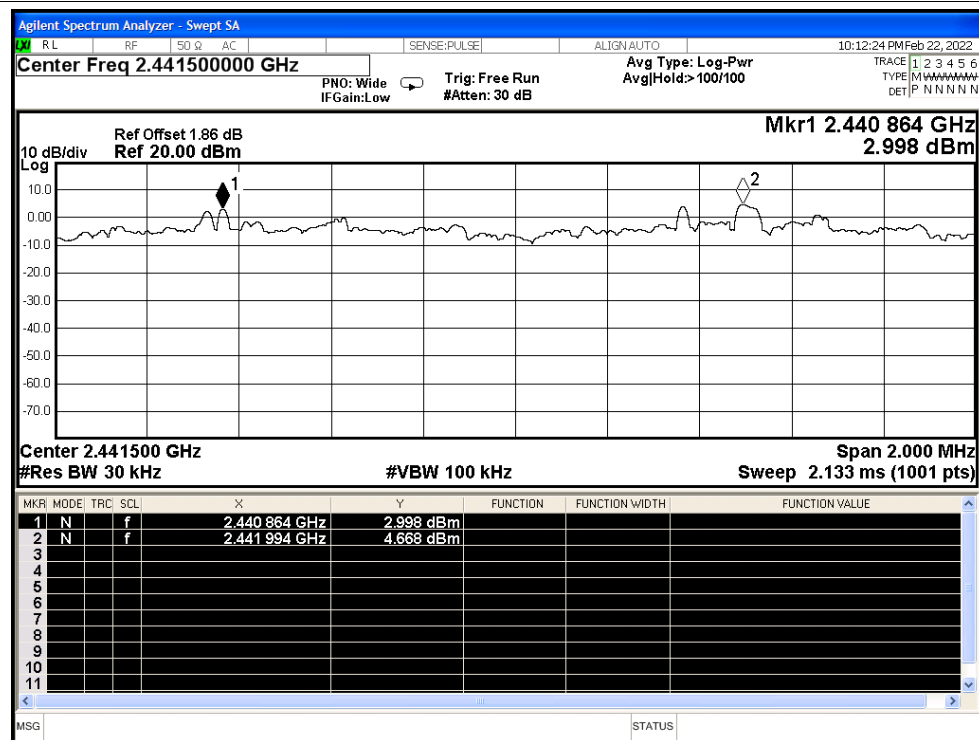


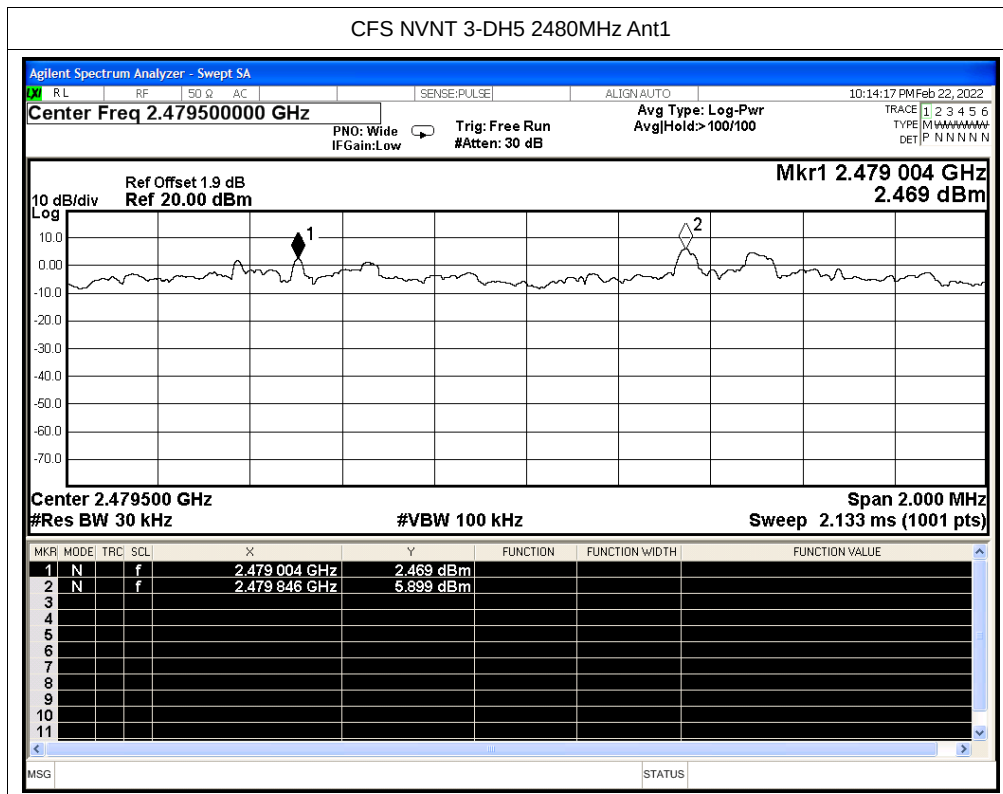


CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1







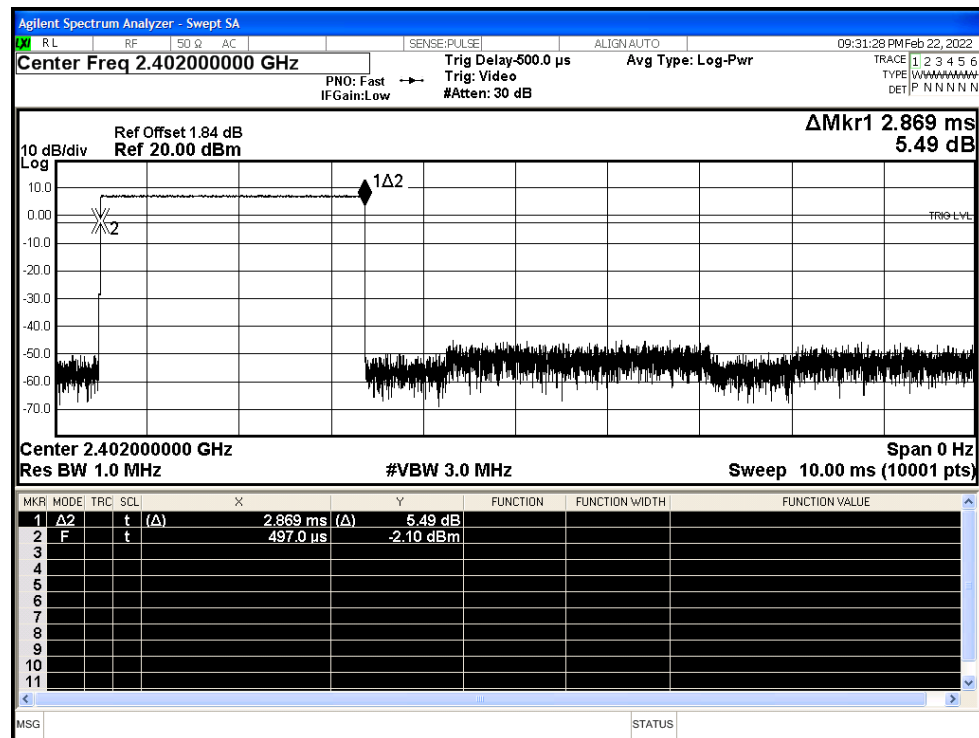
A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.869	306.983	107	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.869	306.983	107	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.868	306.876	107	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.88	305.28	106	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.881	308.267	107	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.879	308.053	107	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.881	305.386	106	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.88	308.16	107	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.88	308.16	107	31600	400	Pass

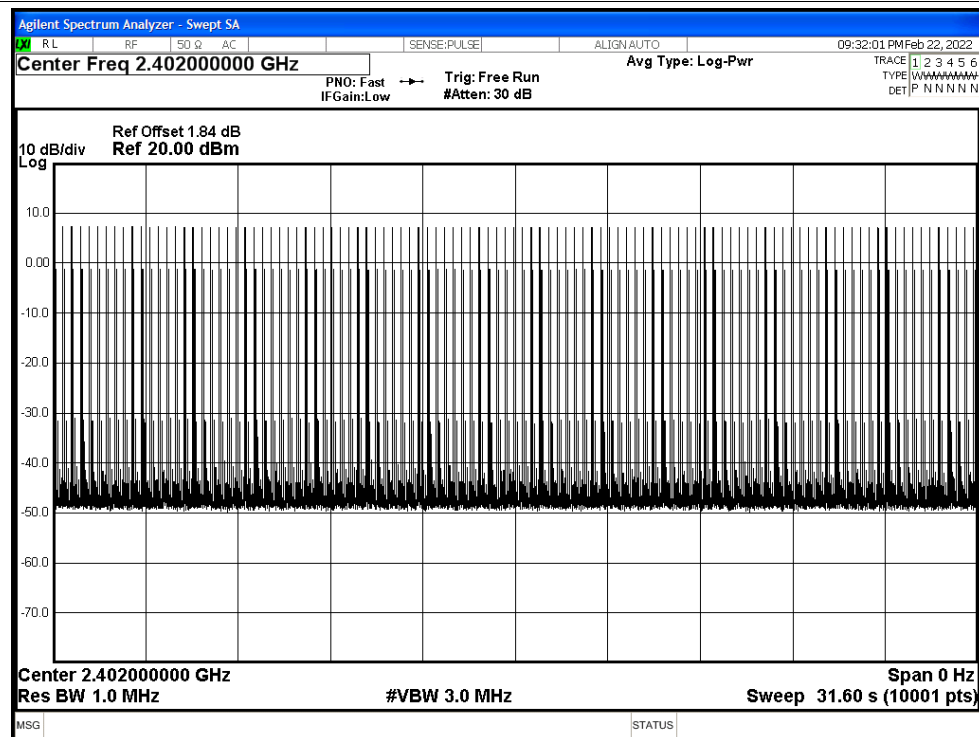


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

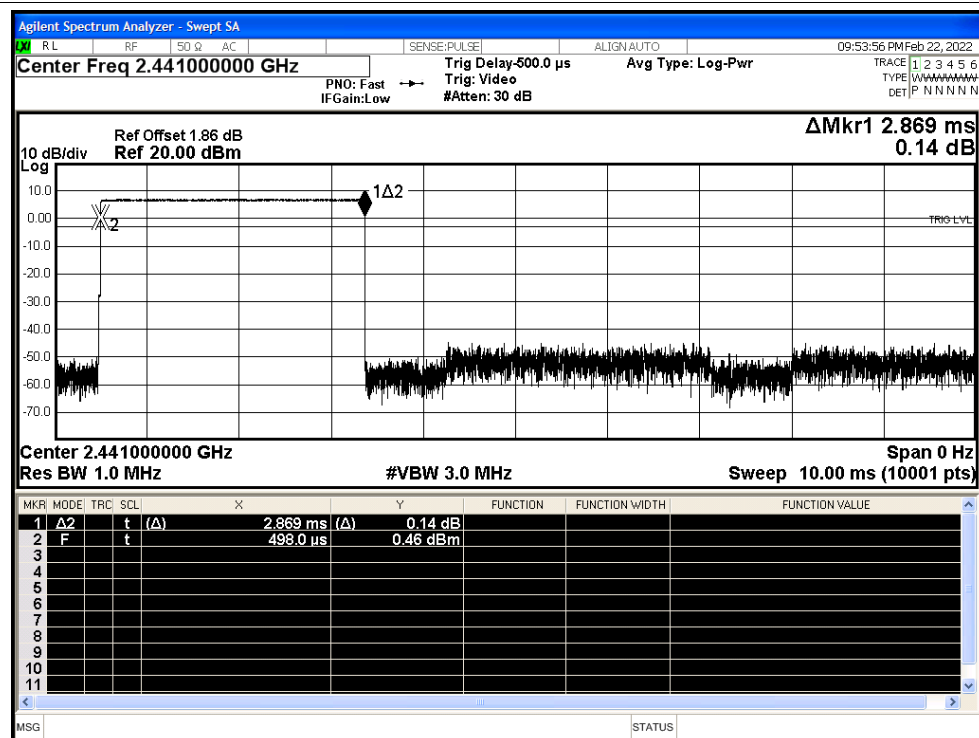


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

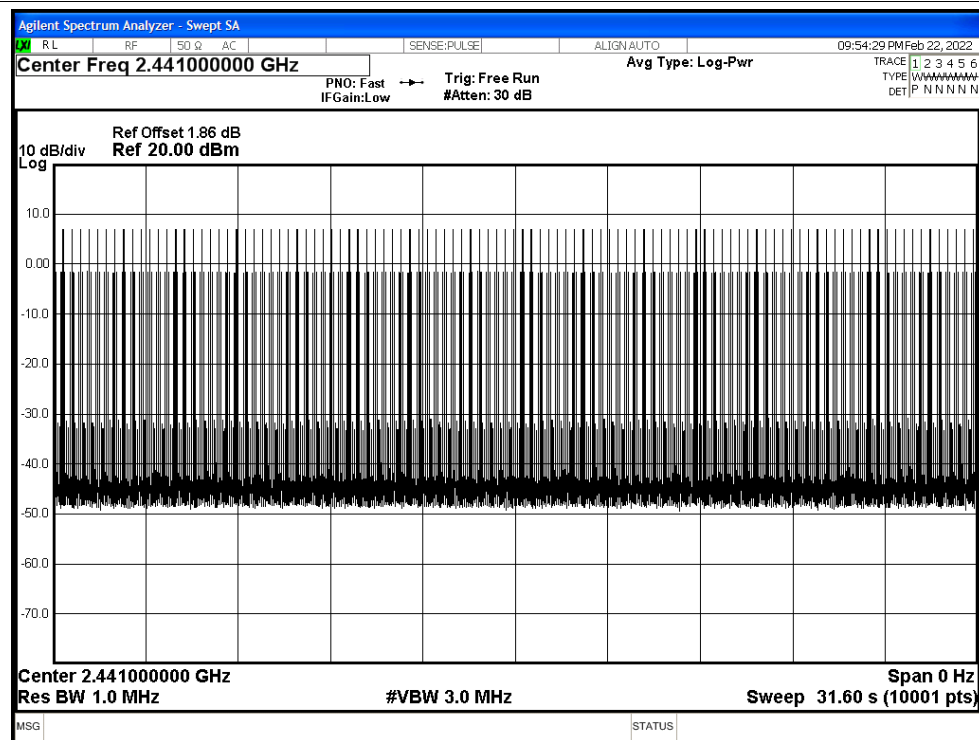




Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

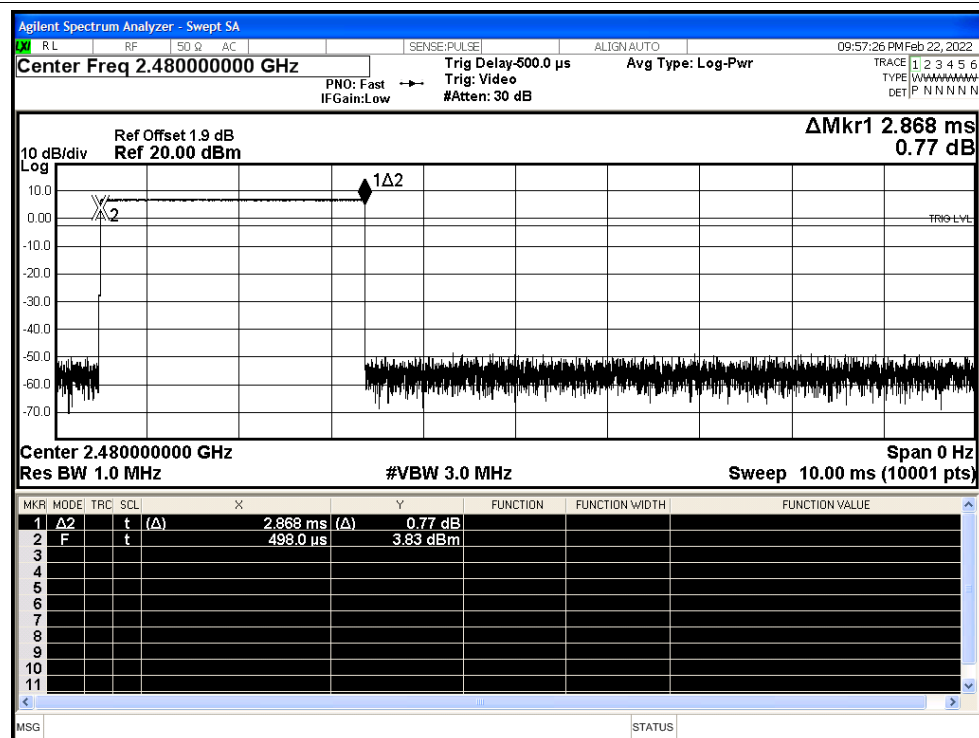


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

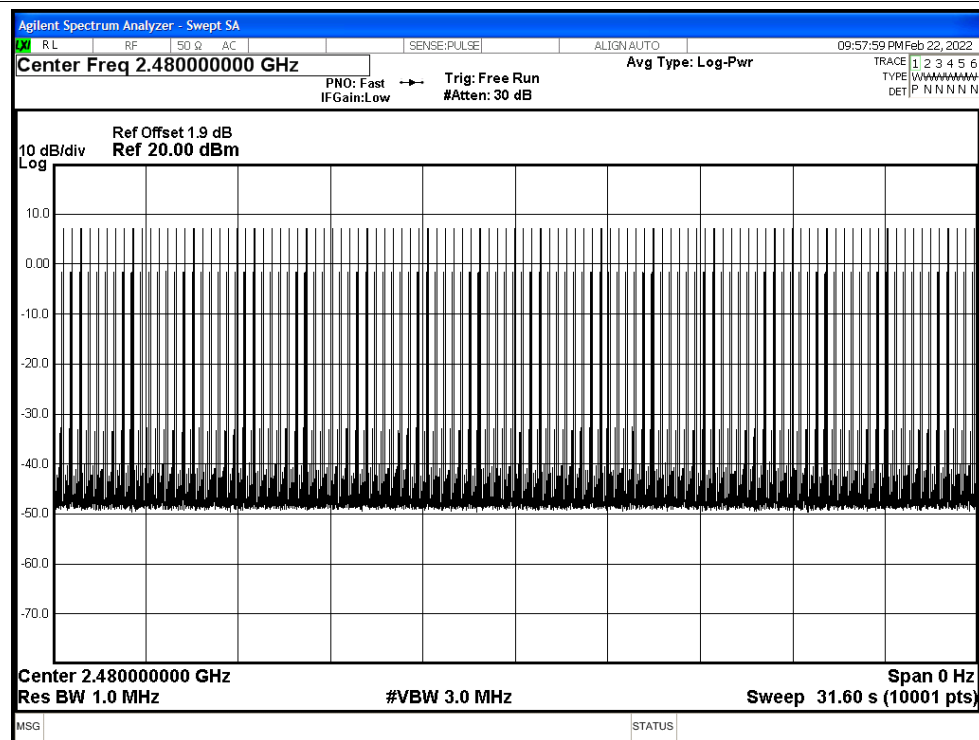




Dwell NVNT 1-DH5 2480MHz Ant1 One Burst

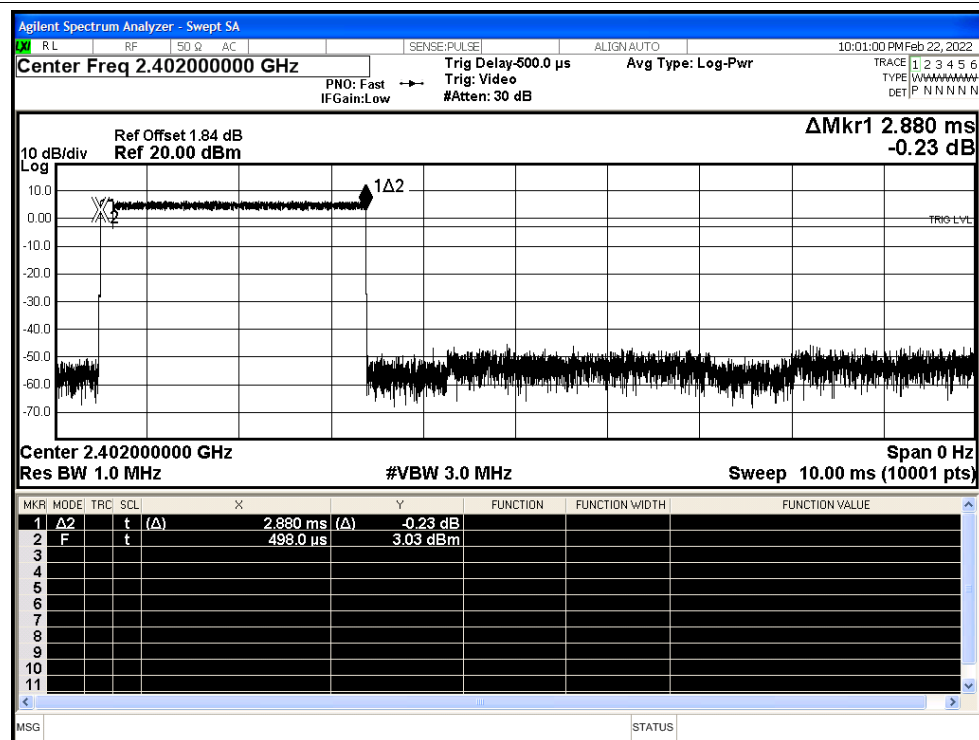


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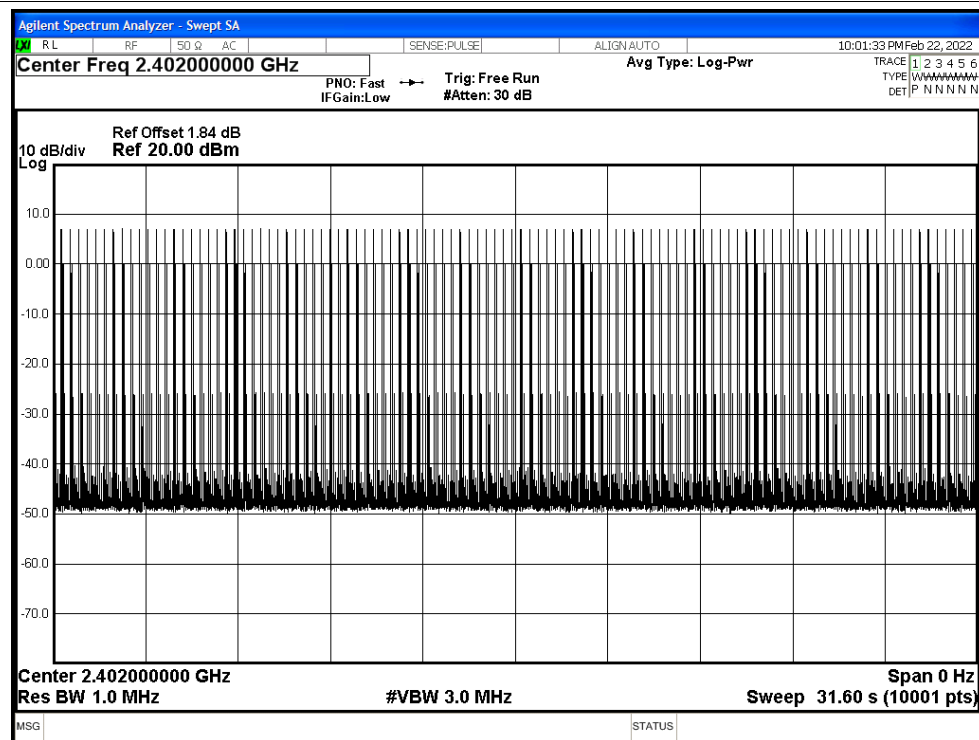




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

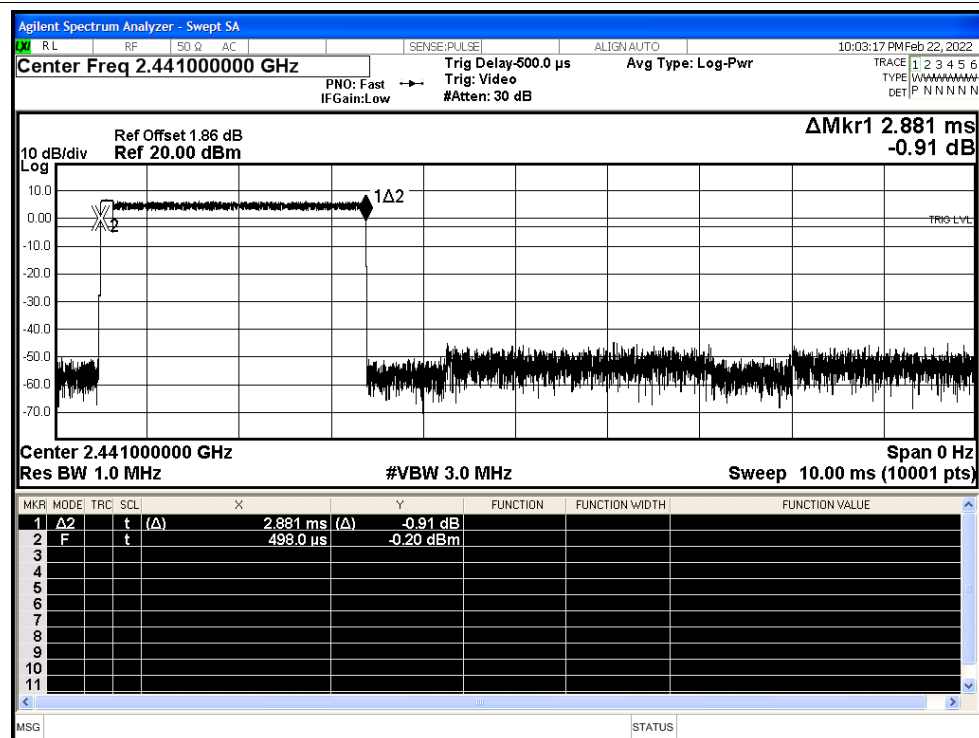


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

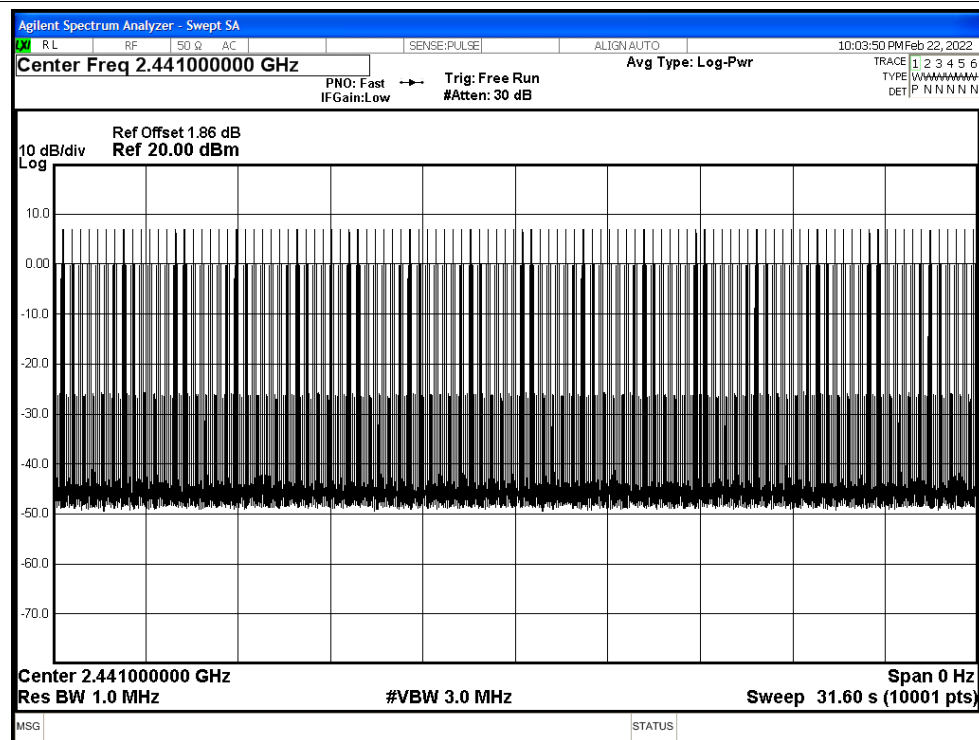




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

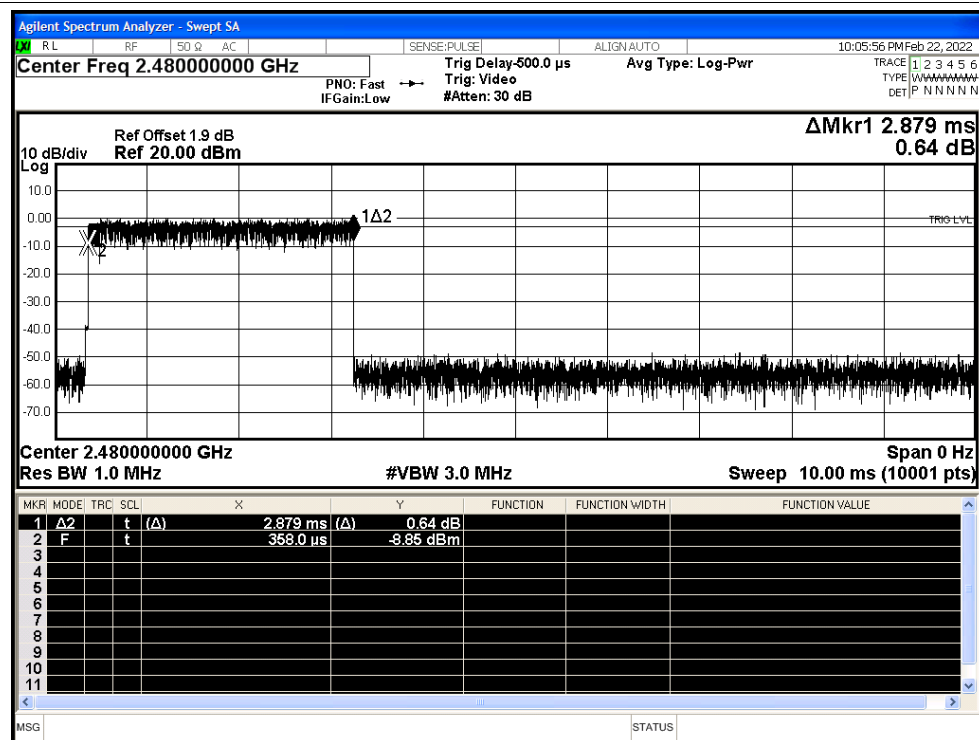


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

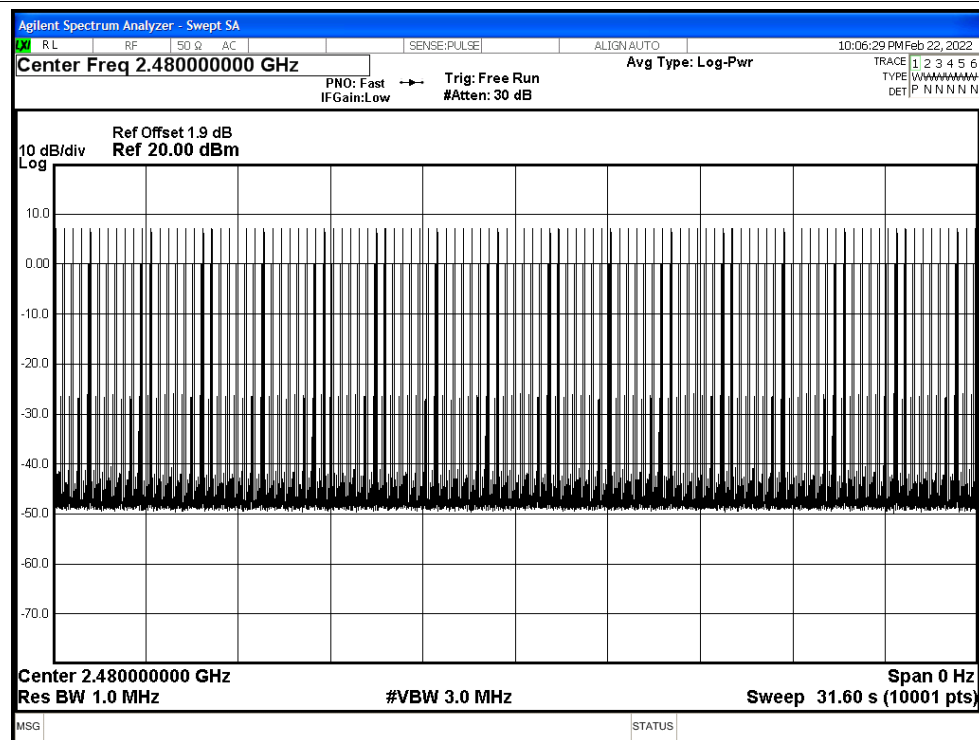




Dwell NVNT 2-DH5 2480MHz Ant1 One Burst

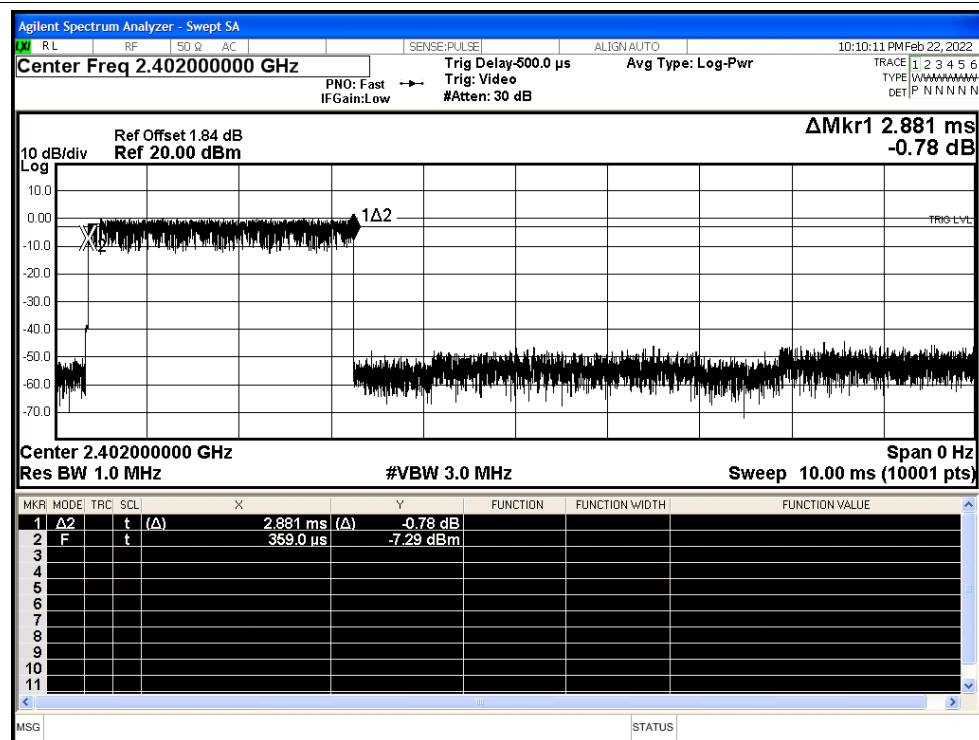


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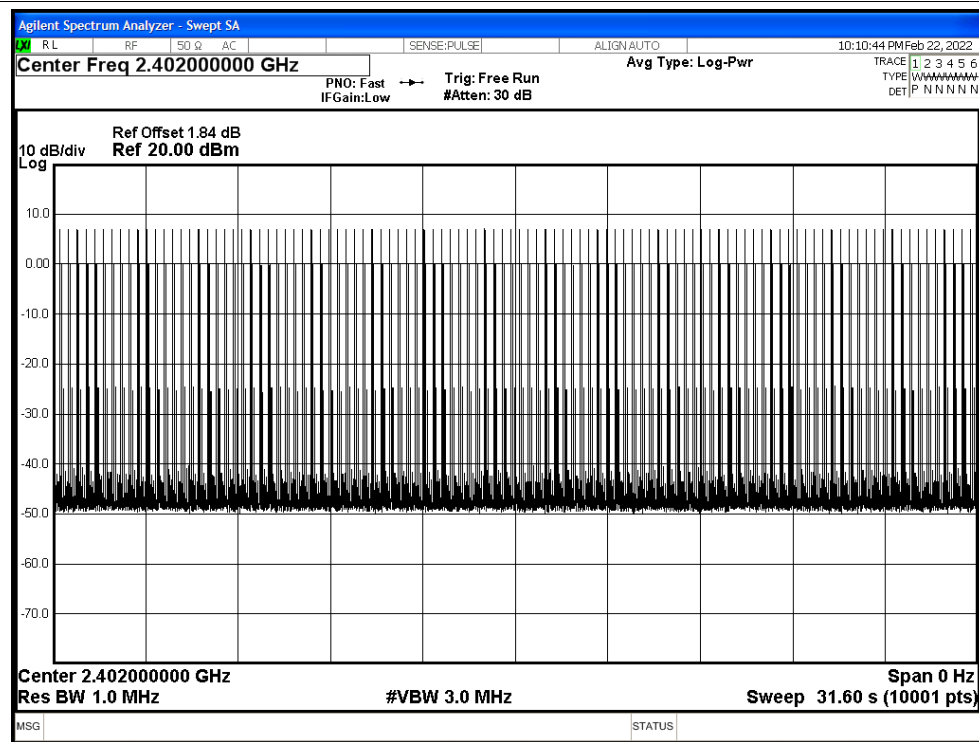




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

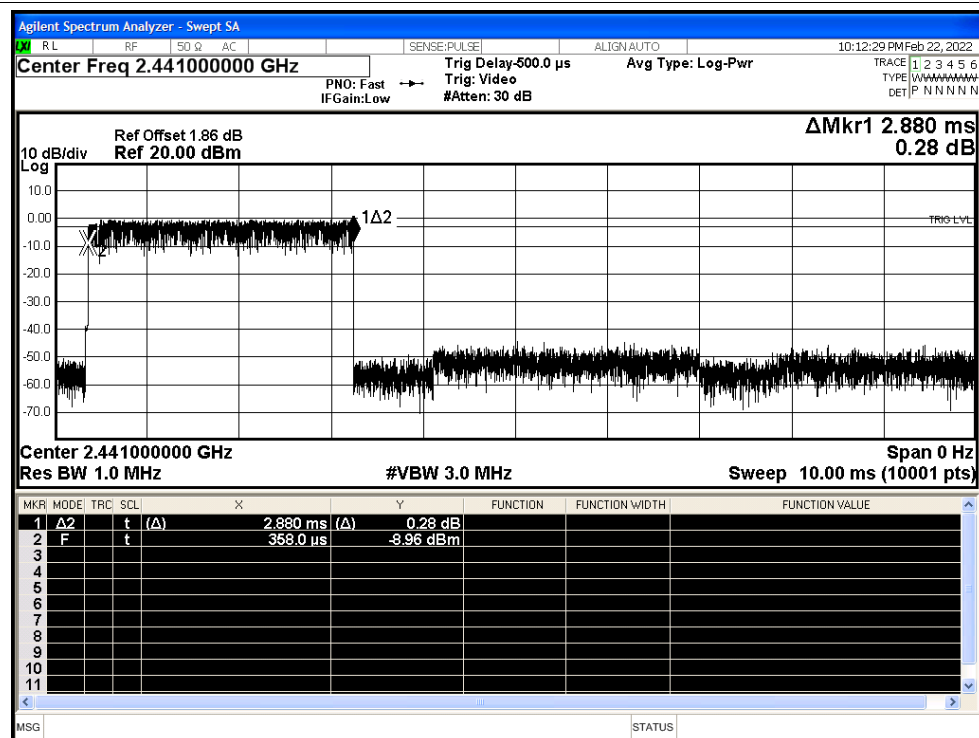


Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated

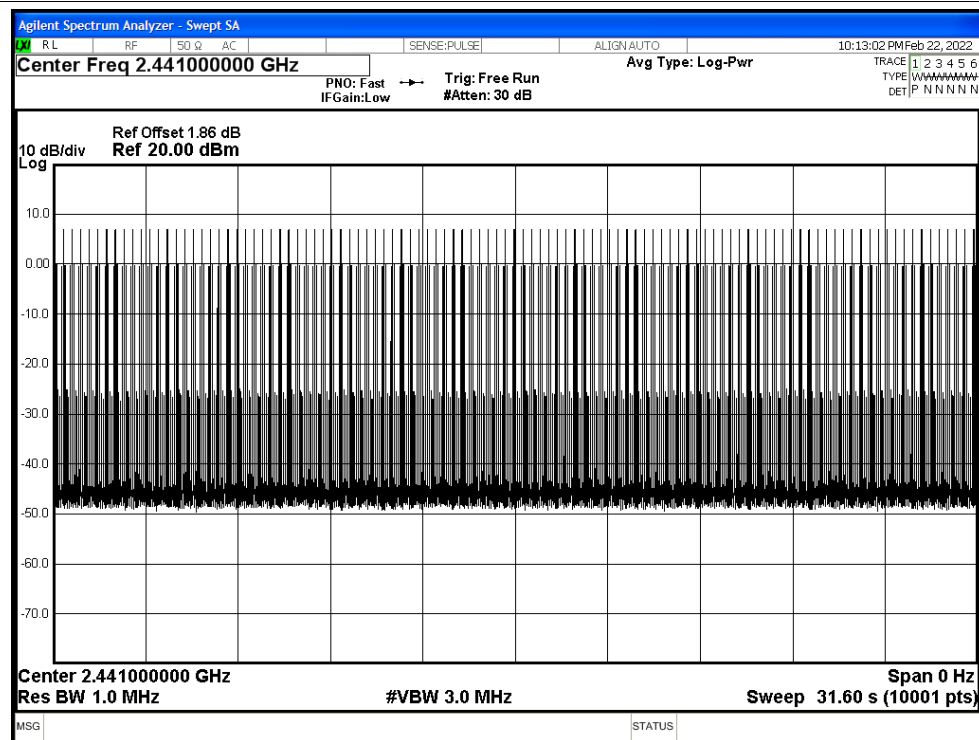




Dwell NVNT 3-DH5 2441MHz Ant1 One Burst

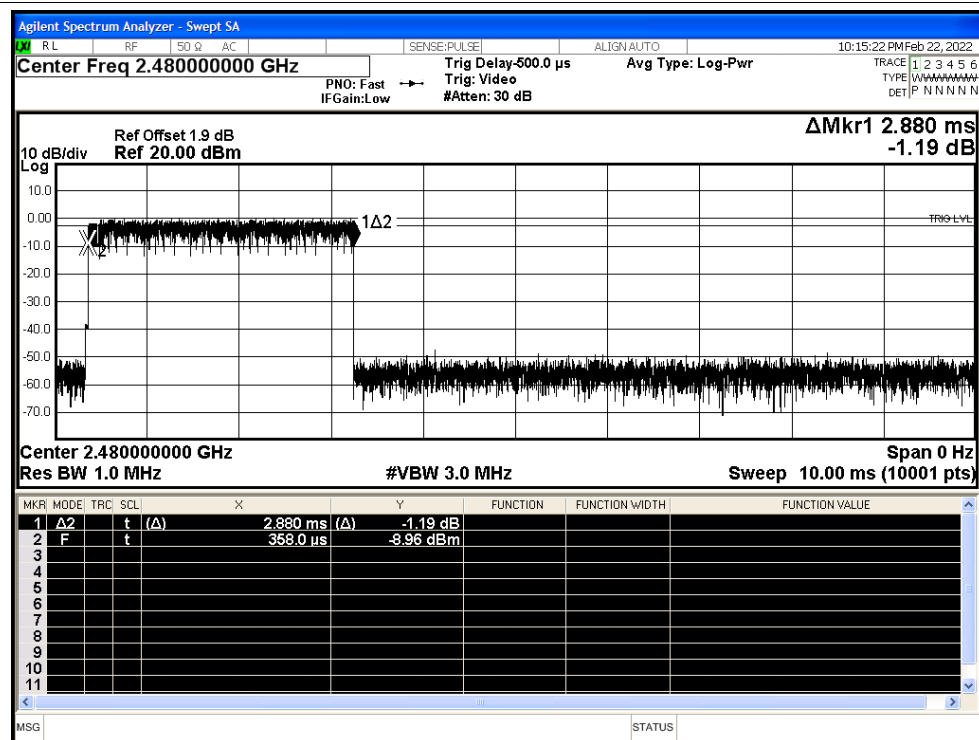


Dwell NVNT 3-DH5 2441MHz Ant1 Accumulated

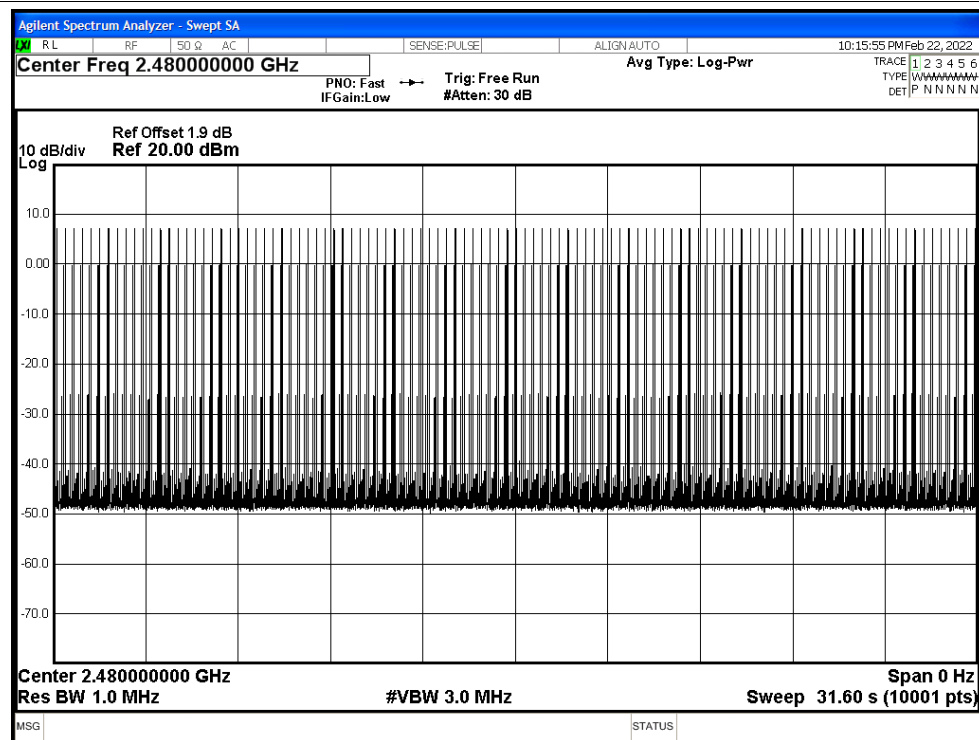




Dwell NVNT 3-DH5 2480MHz Ant1 One Burst



Dwell NVNT 3-DH5 2480MHz Ant1 Accumulated





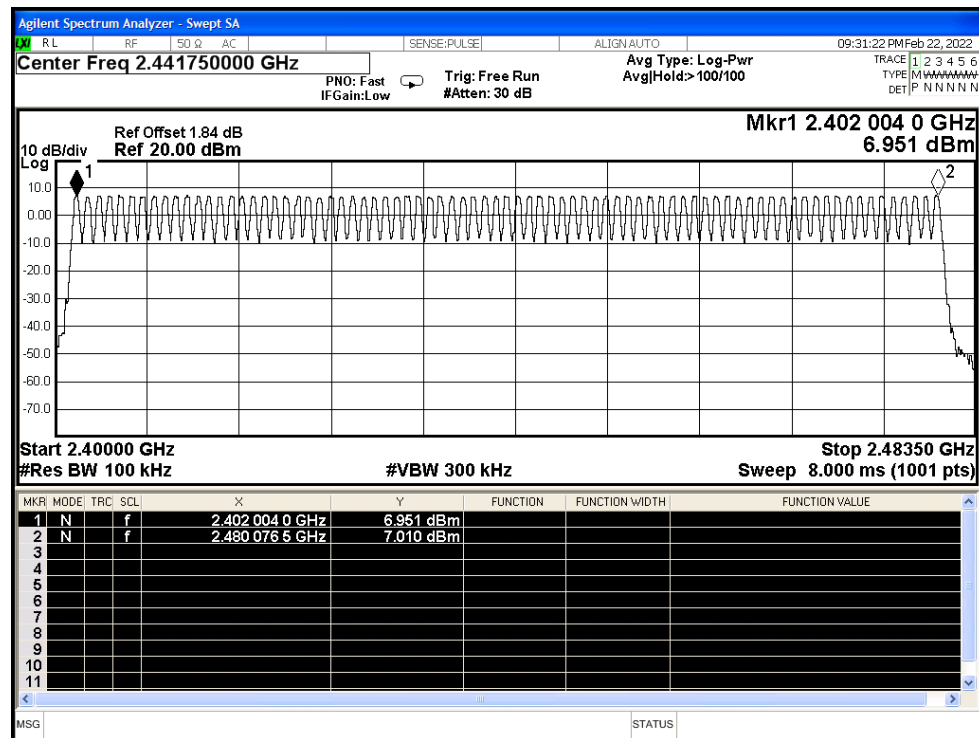
A.5 Number of Hopping Channel

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

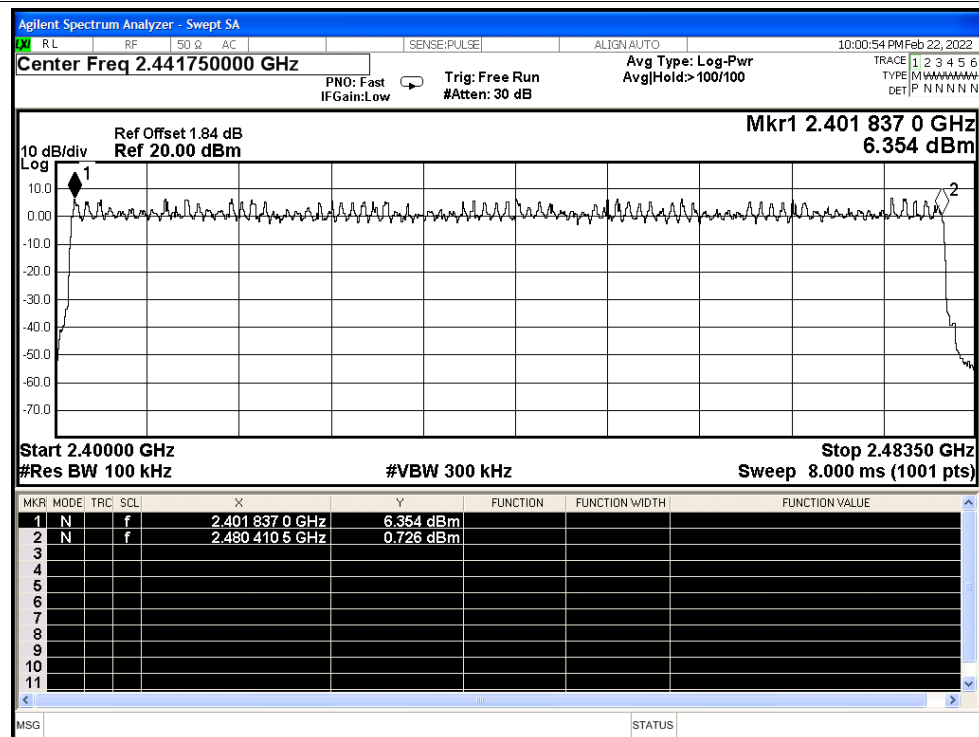


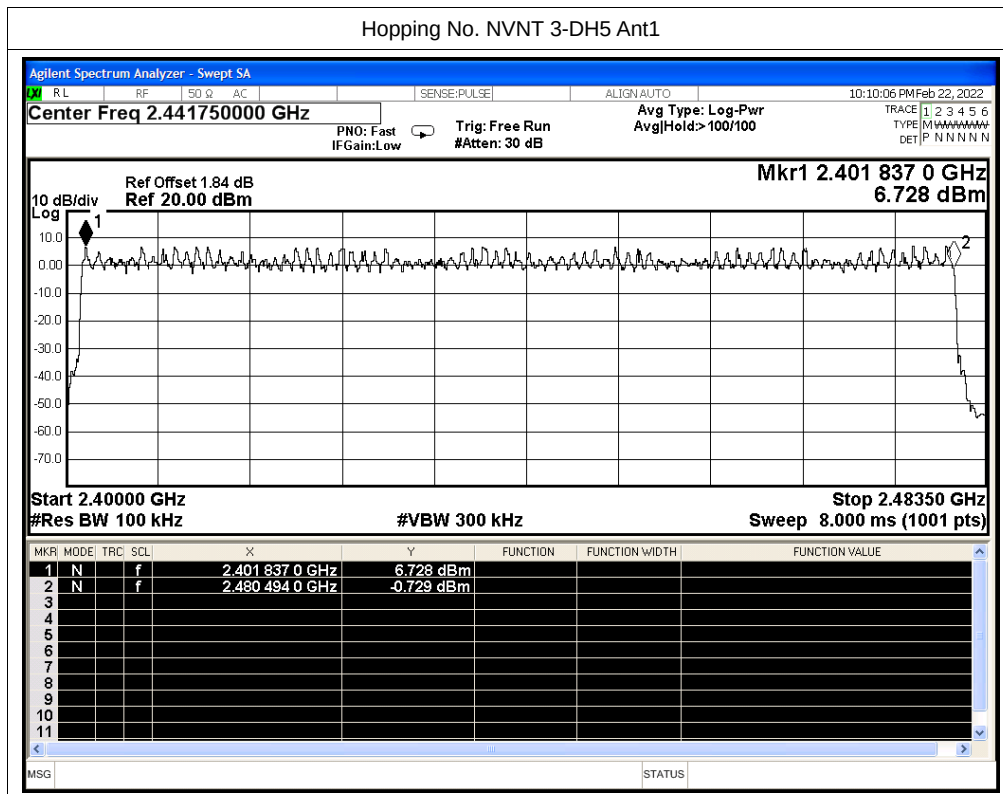
Test Graphs

Hopping No. NVNT 1-DH5 Ant1



Hopping No. NVNT 2-DH5 Ant1







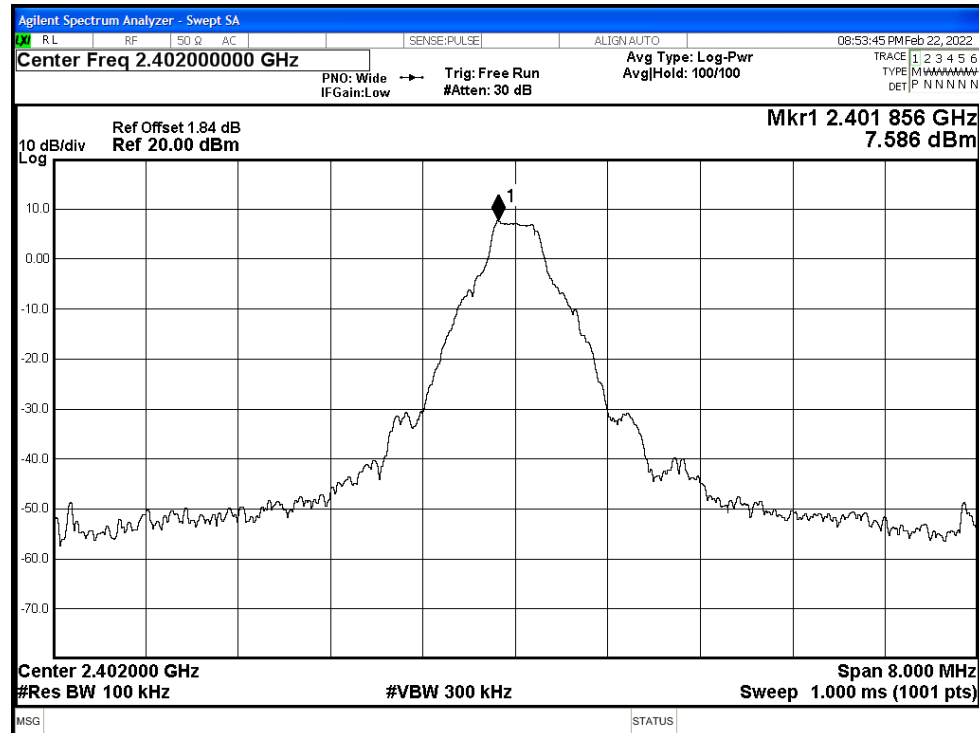
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.04	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-58.13	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.46	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-57.71	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-56.08	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-59.95	-20	Pass

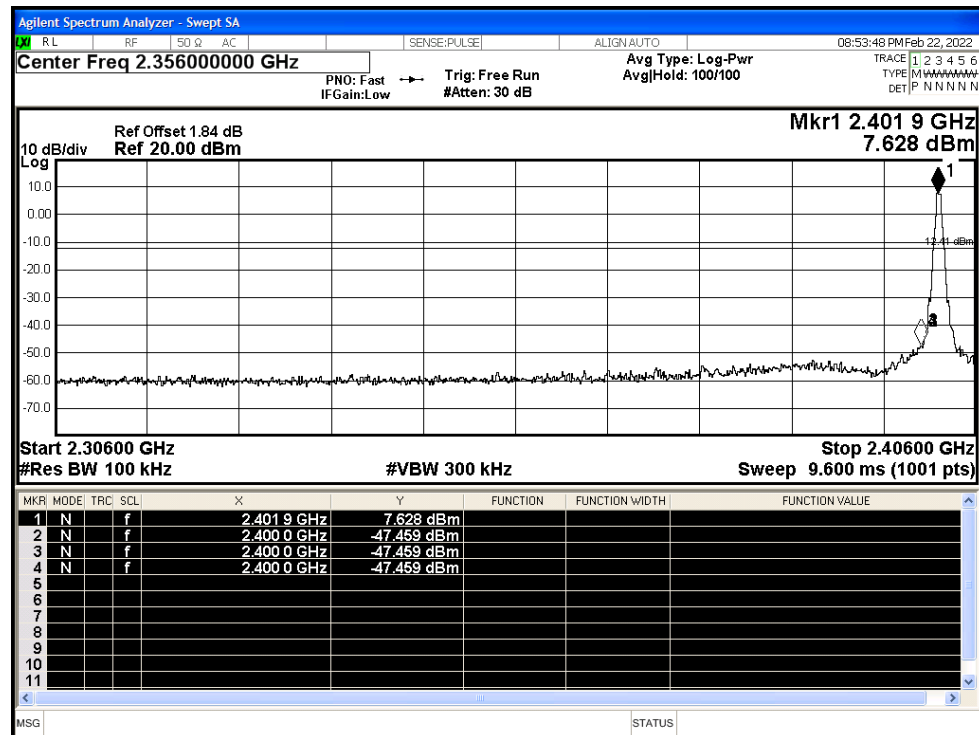


Test Graphs

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

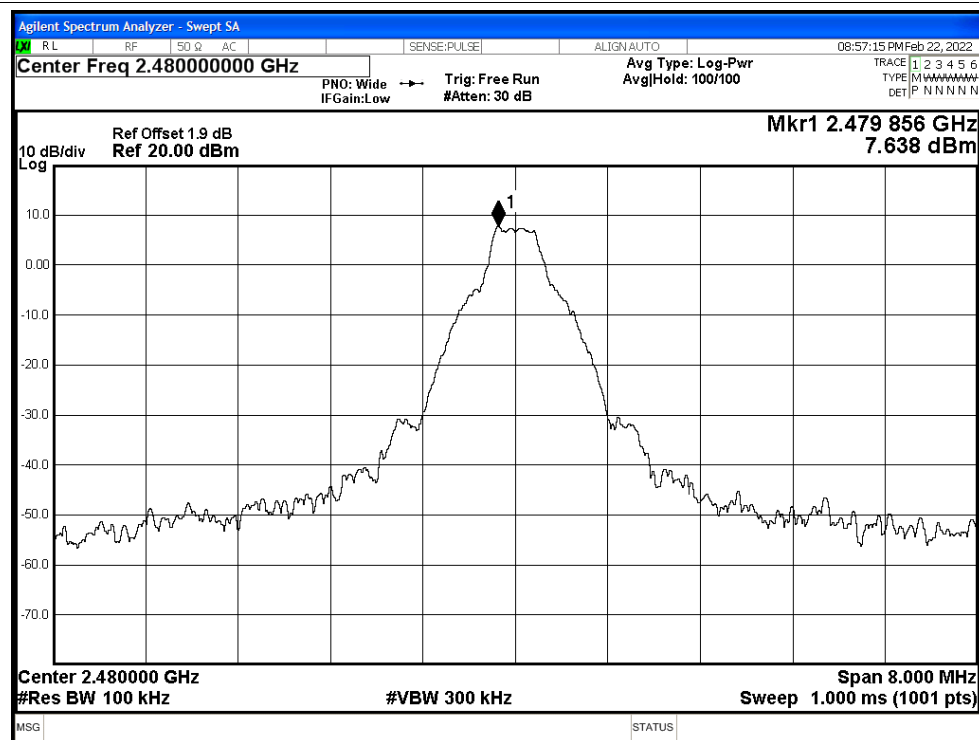


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission

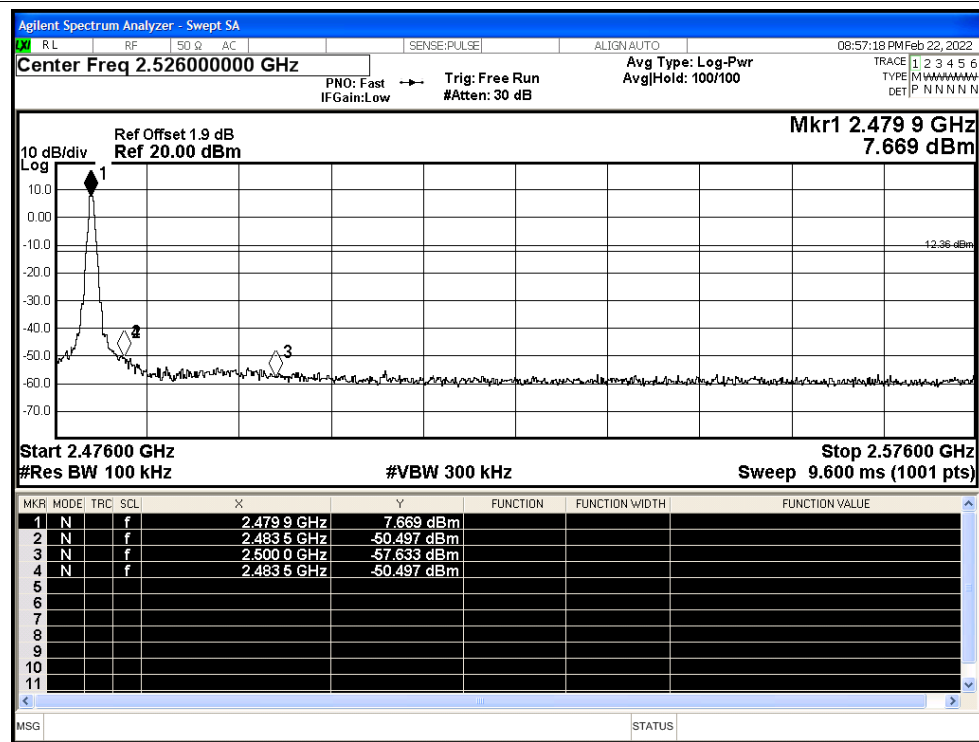




Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref

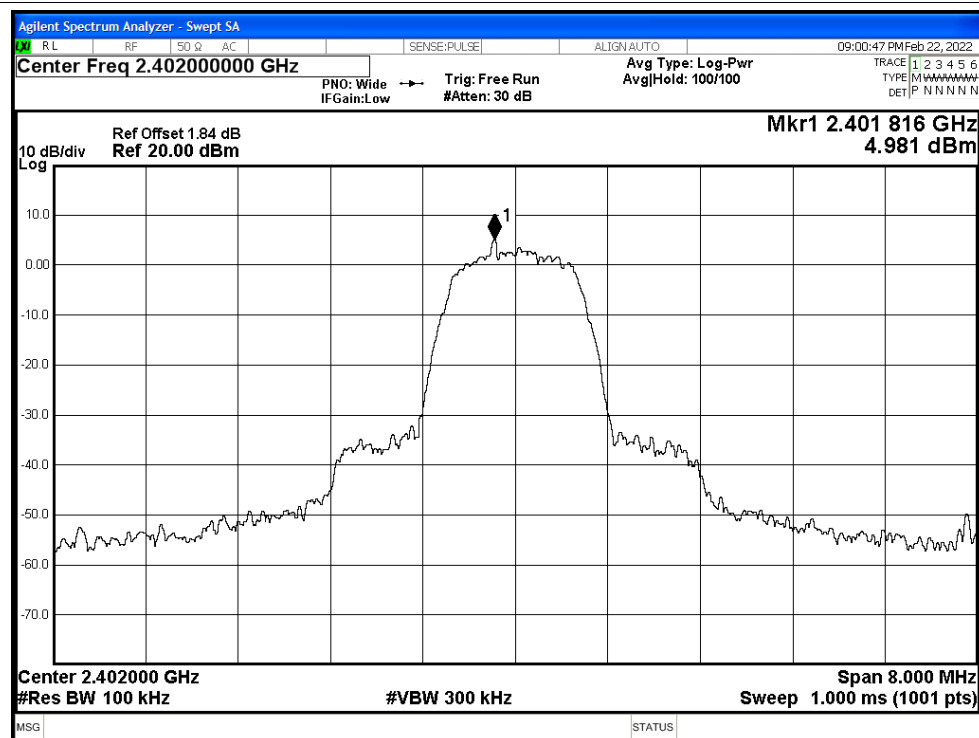


Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission

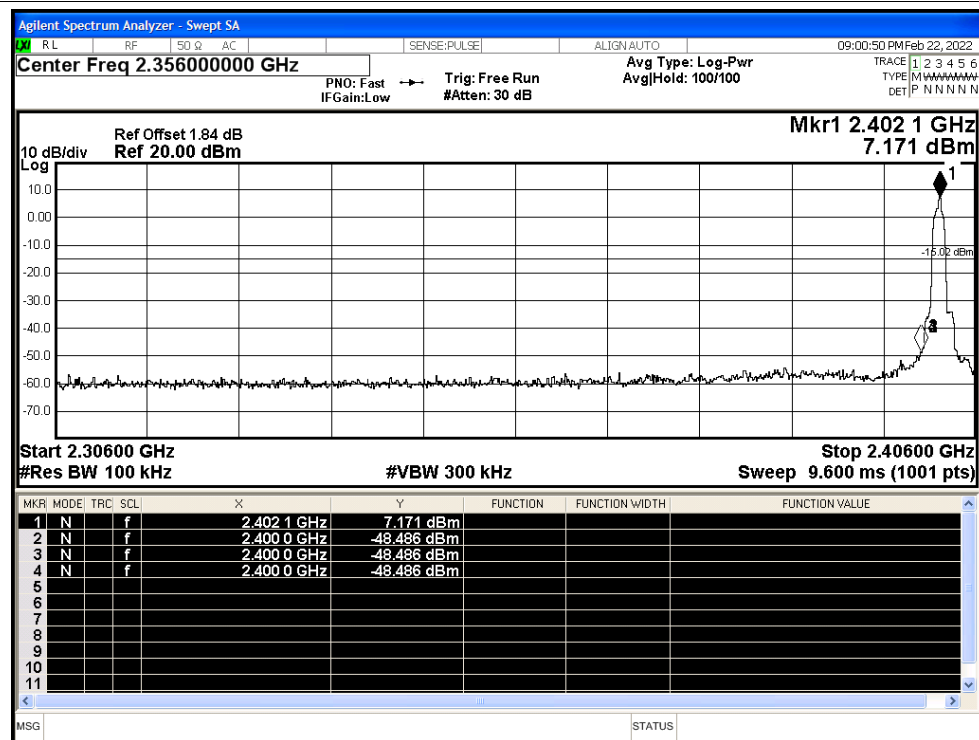




Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref

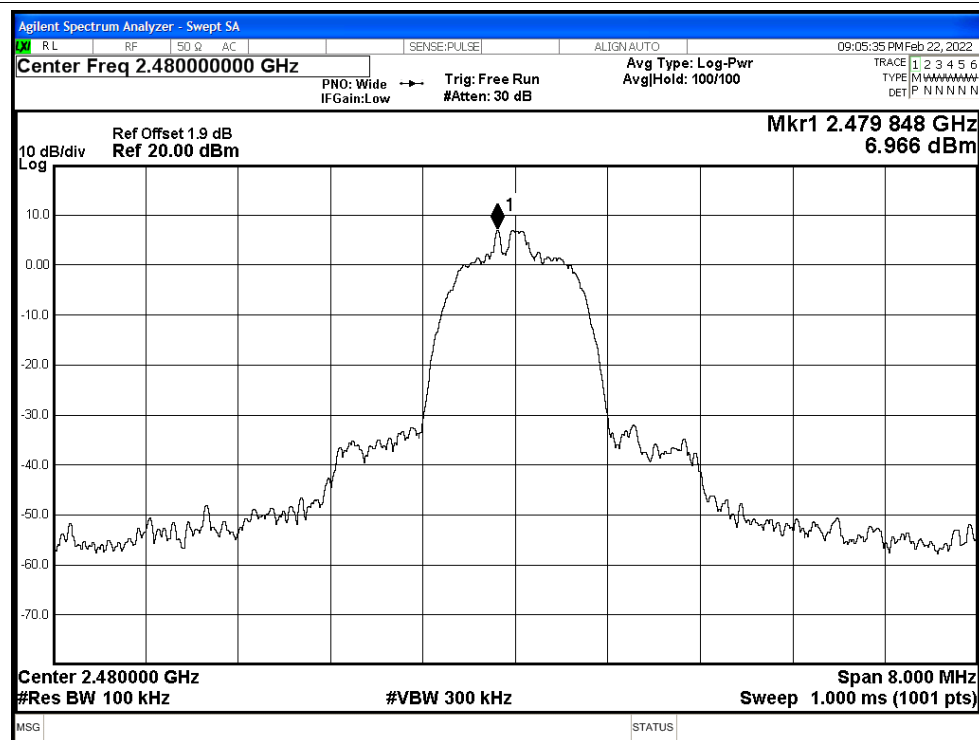


Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission

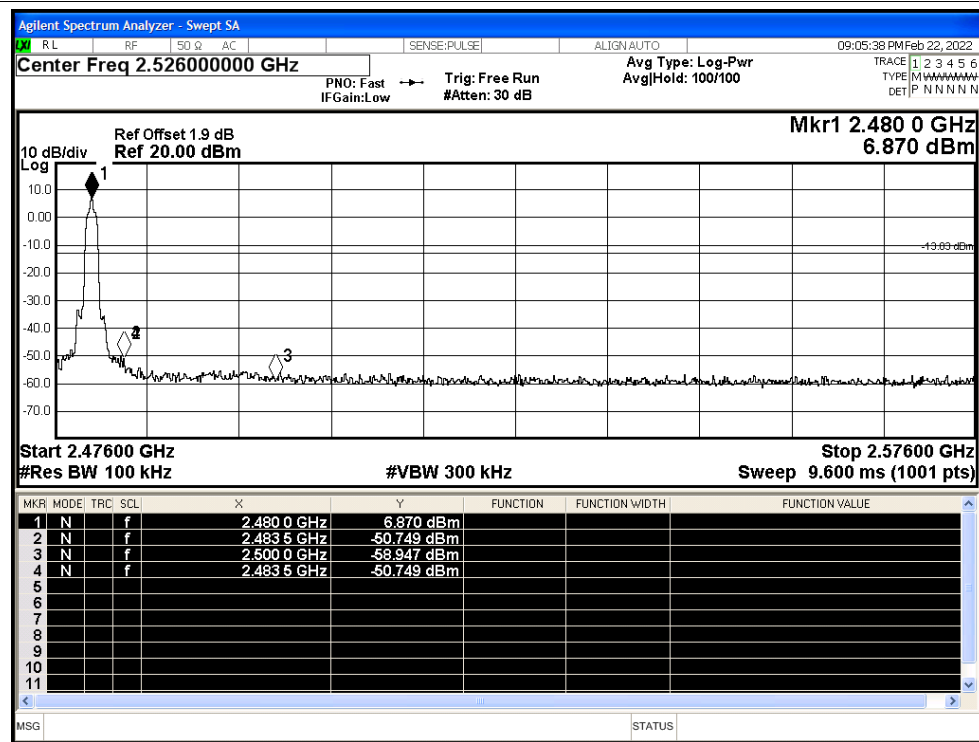




Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref

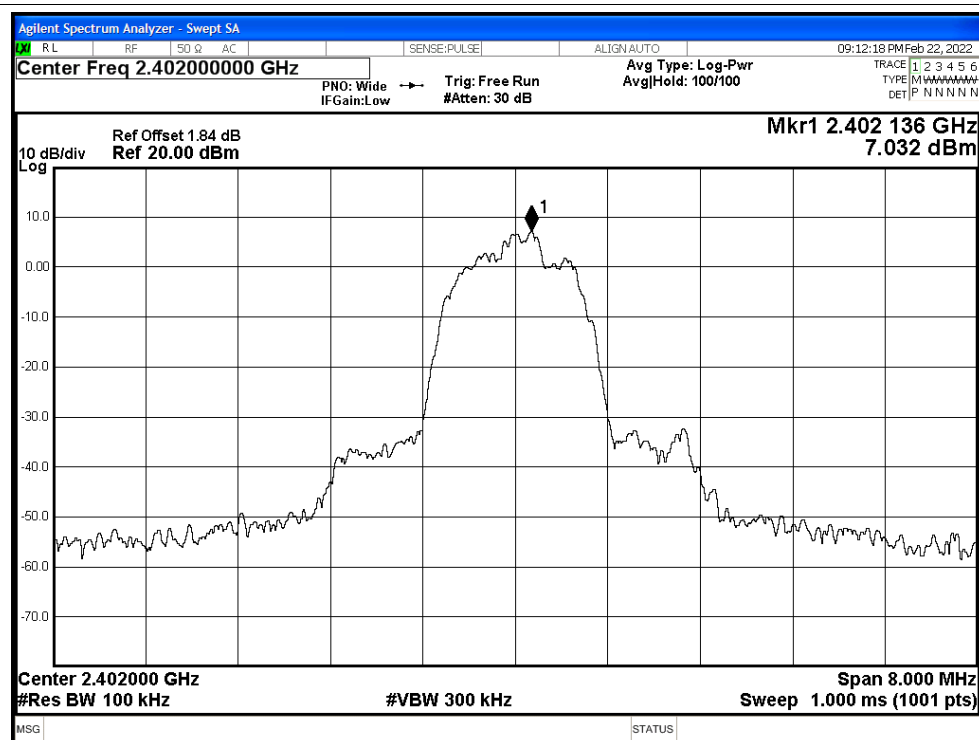


Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission

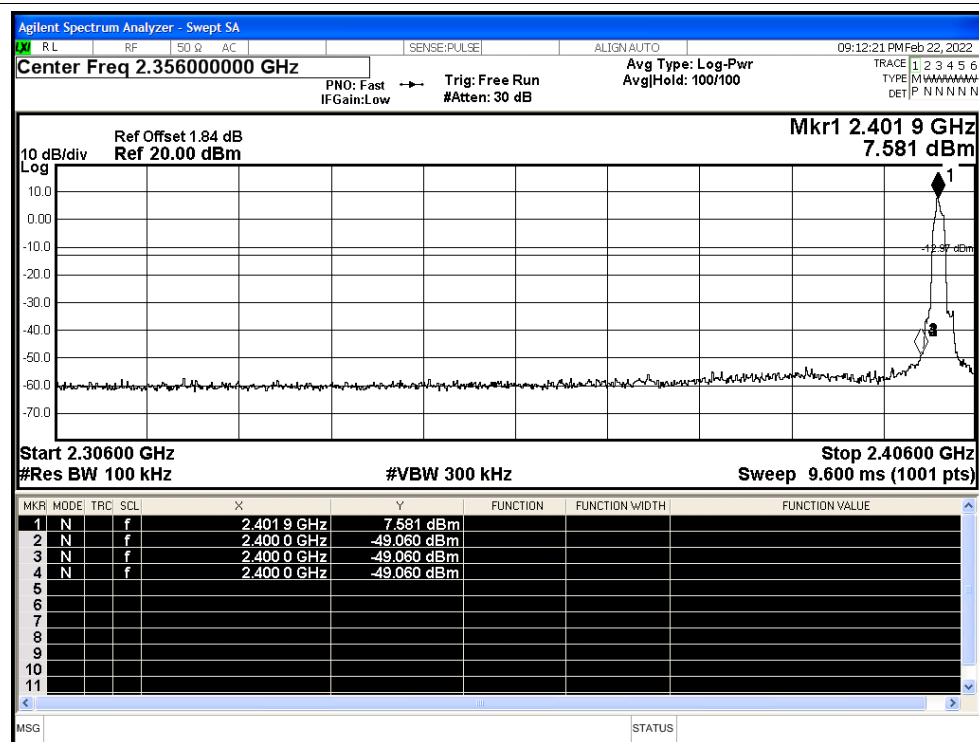




Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref

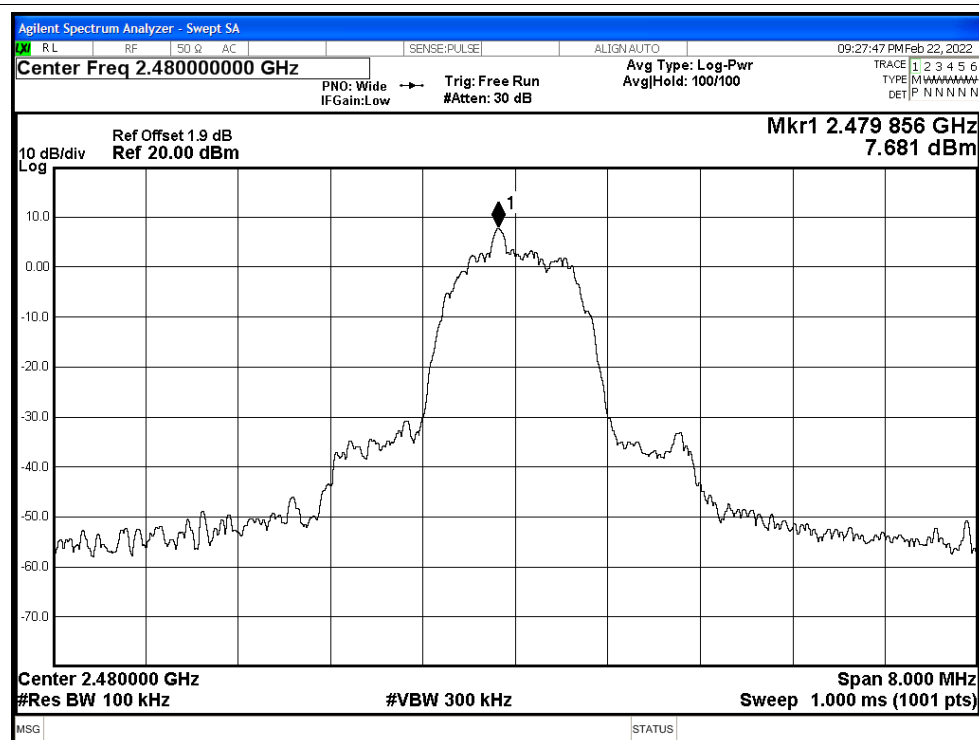


Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission

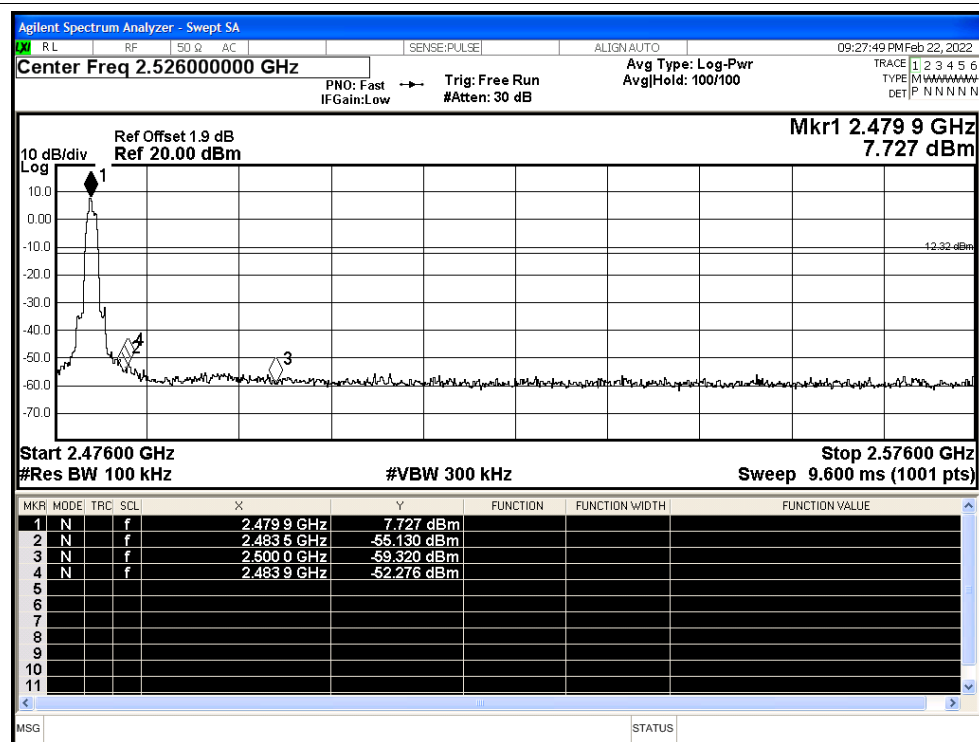




Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



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





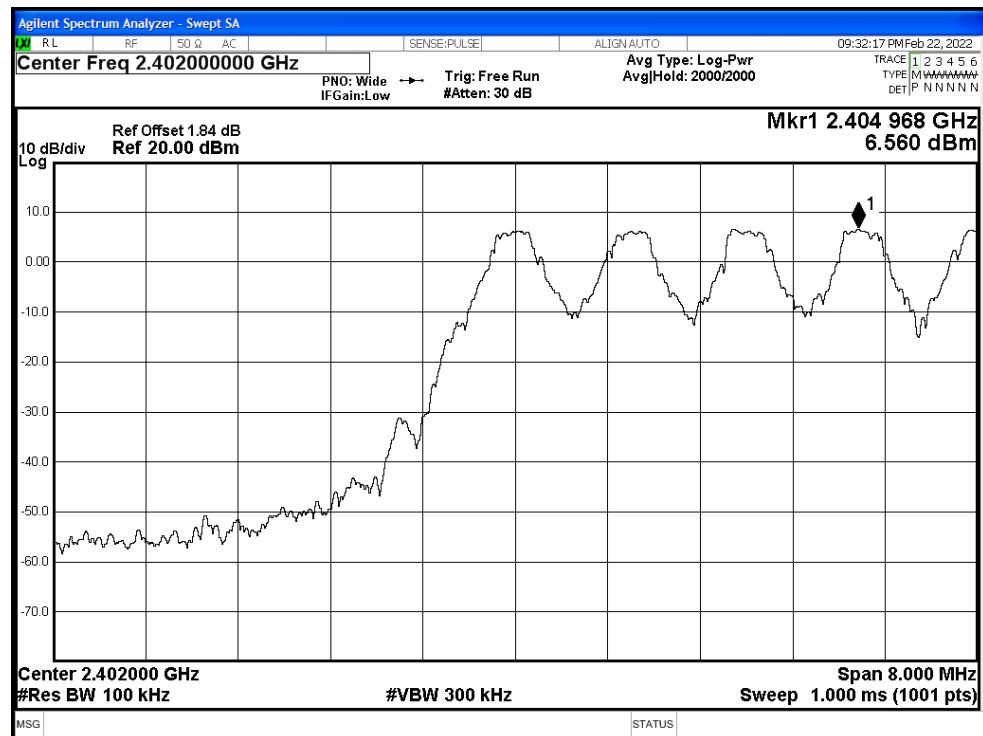
(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-61.73	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.23	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-56.4	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-59.54	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-59.71	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-59.82	-20	Pass

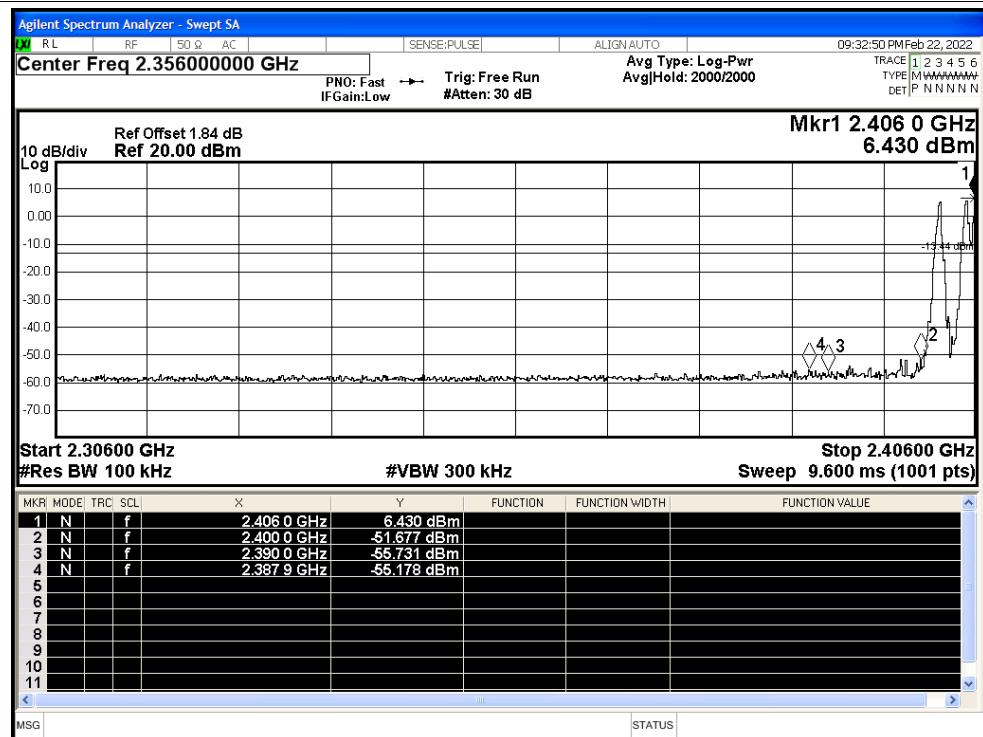


Test Graphs

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

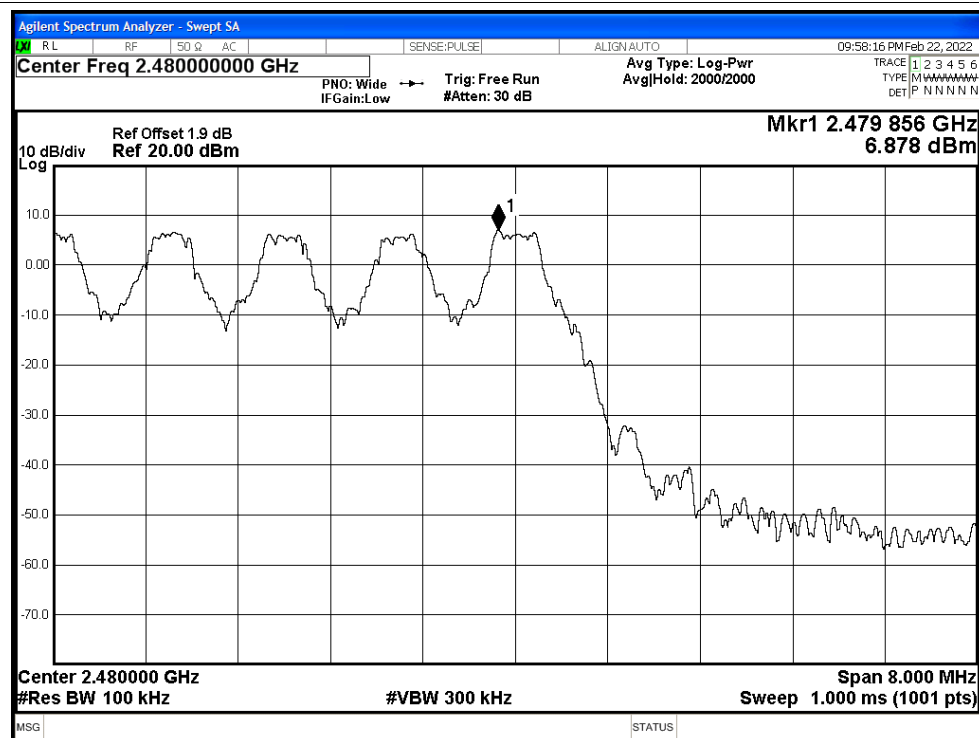


Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission

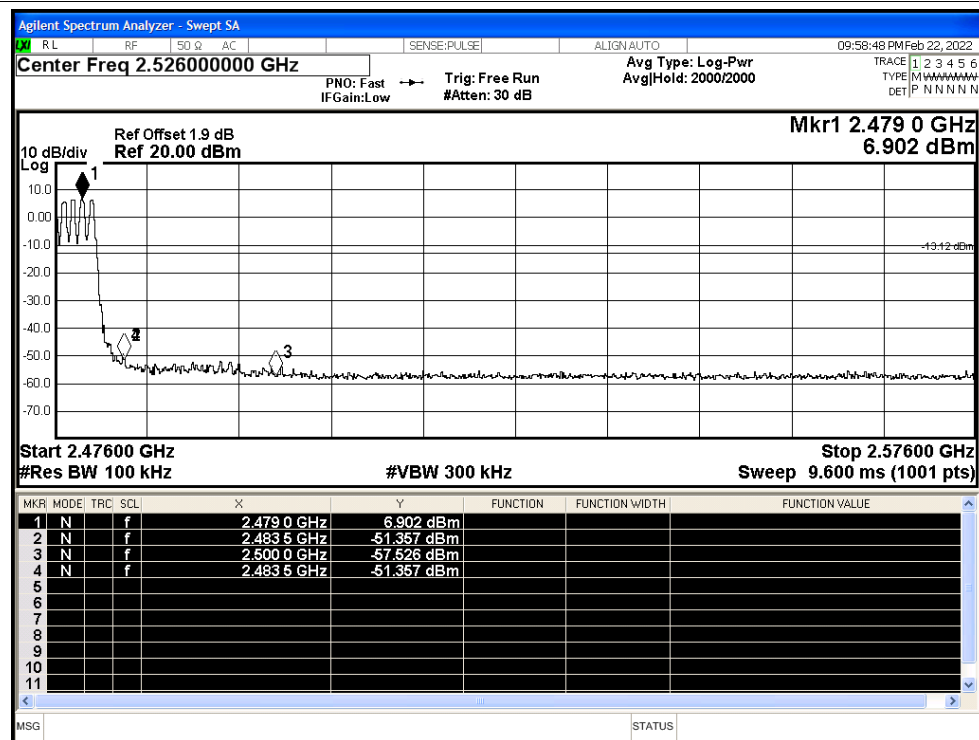




Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref

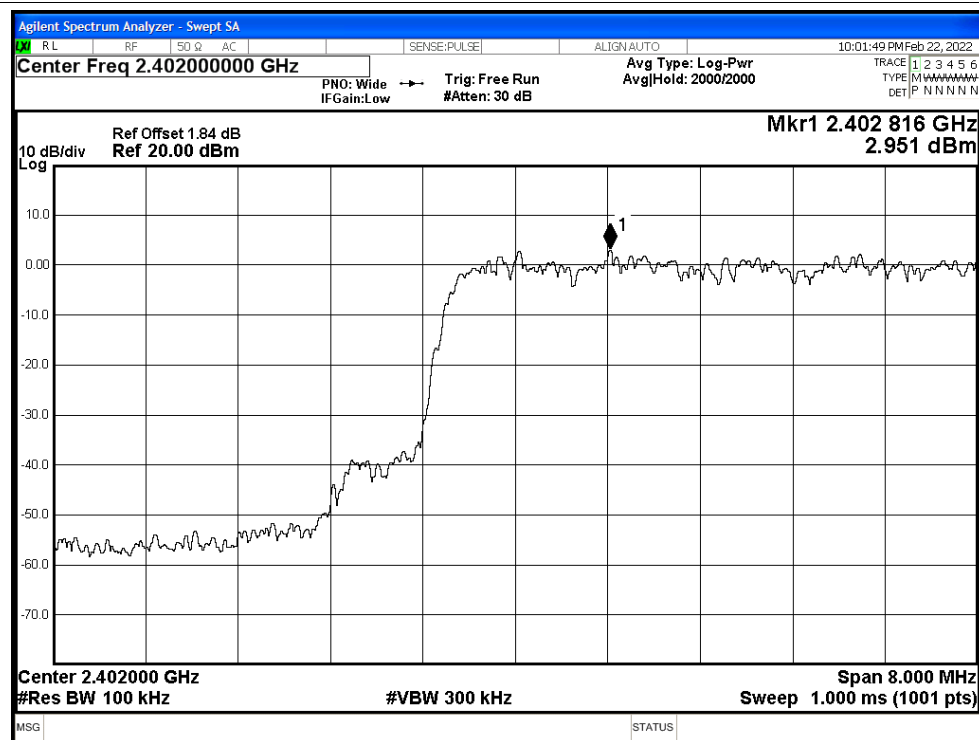


Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

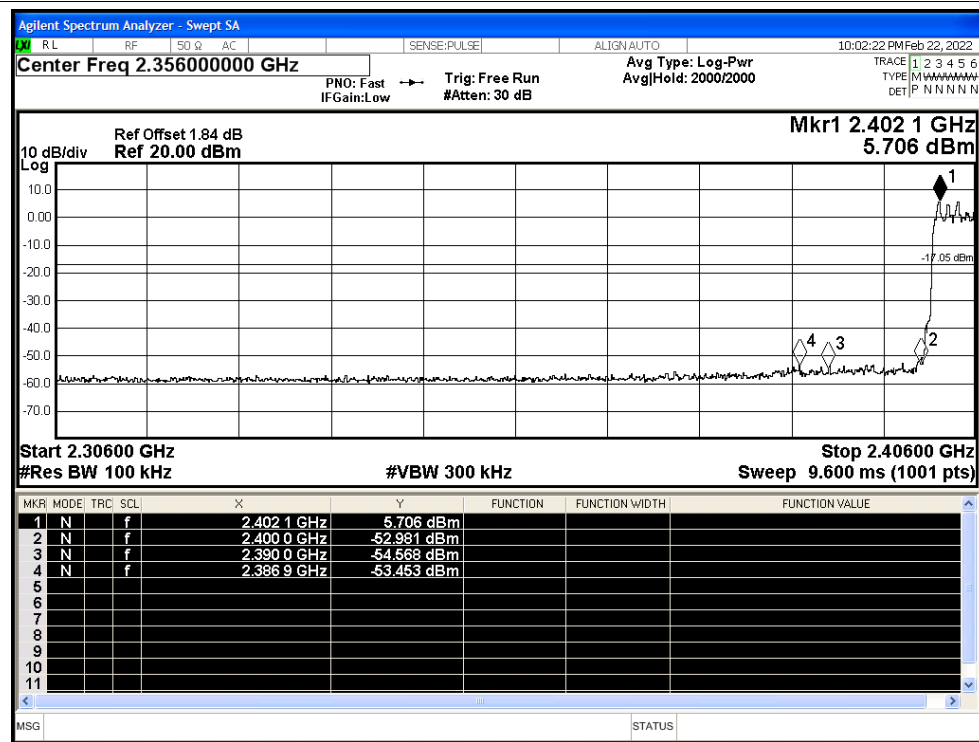




Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref

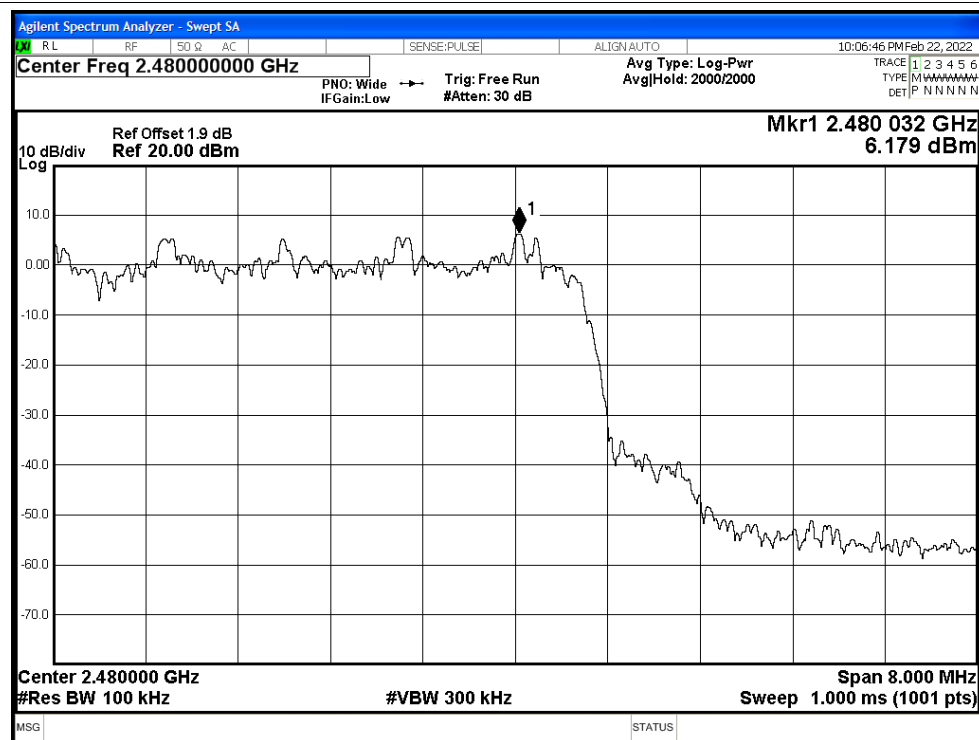


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

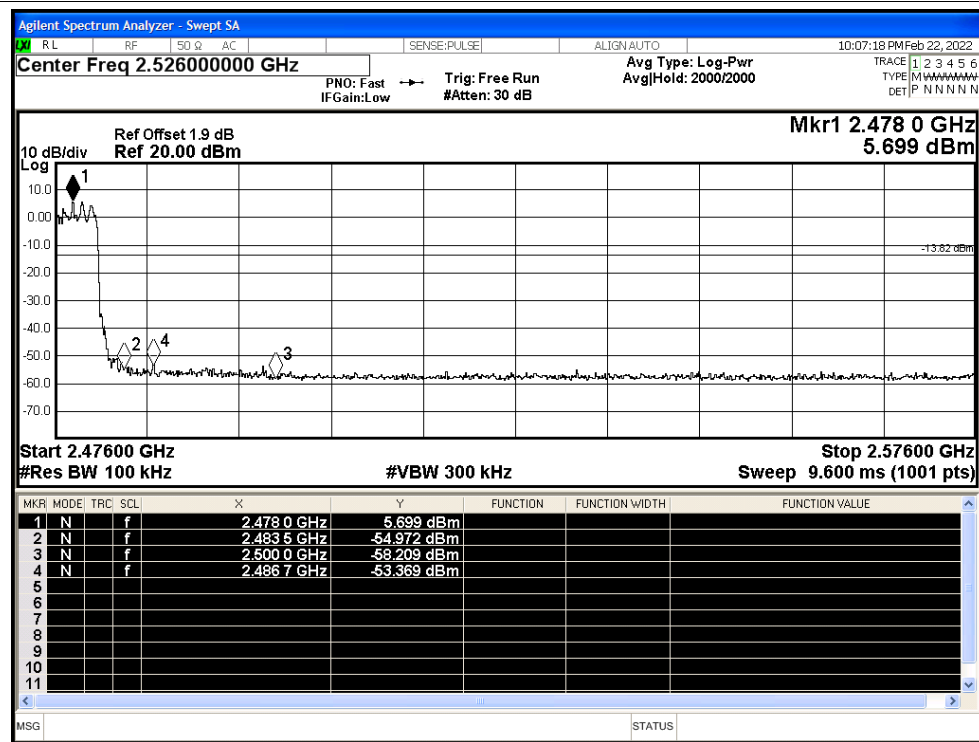




Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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

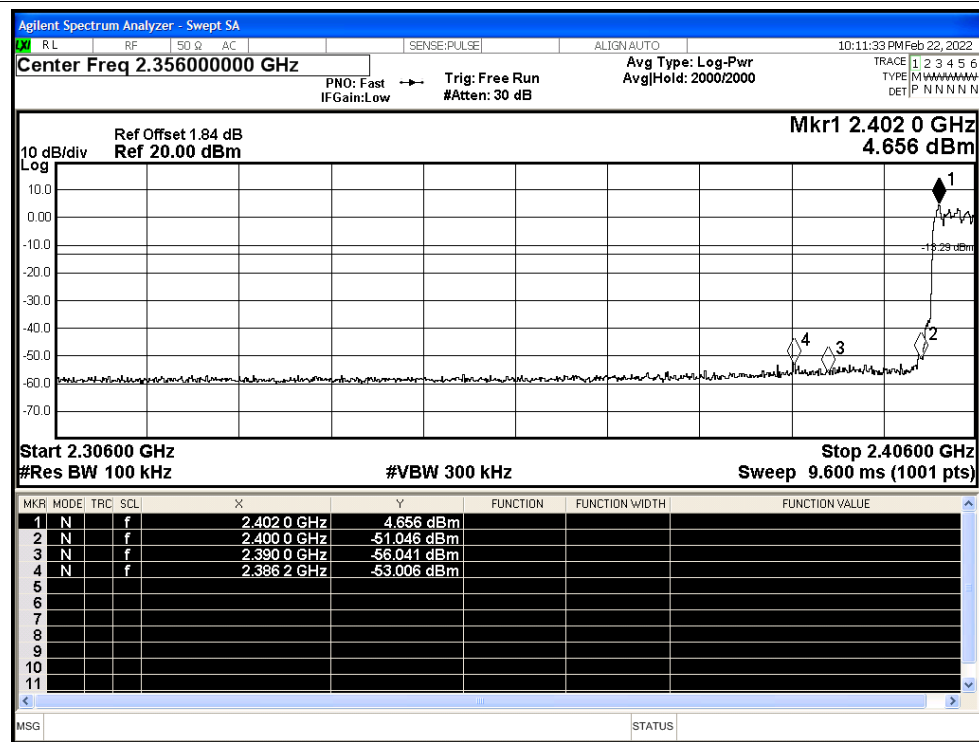




Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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

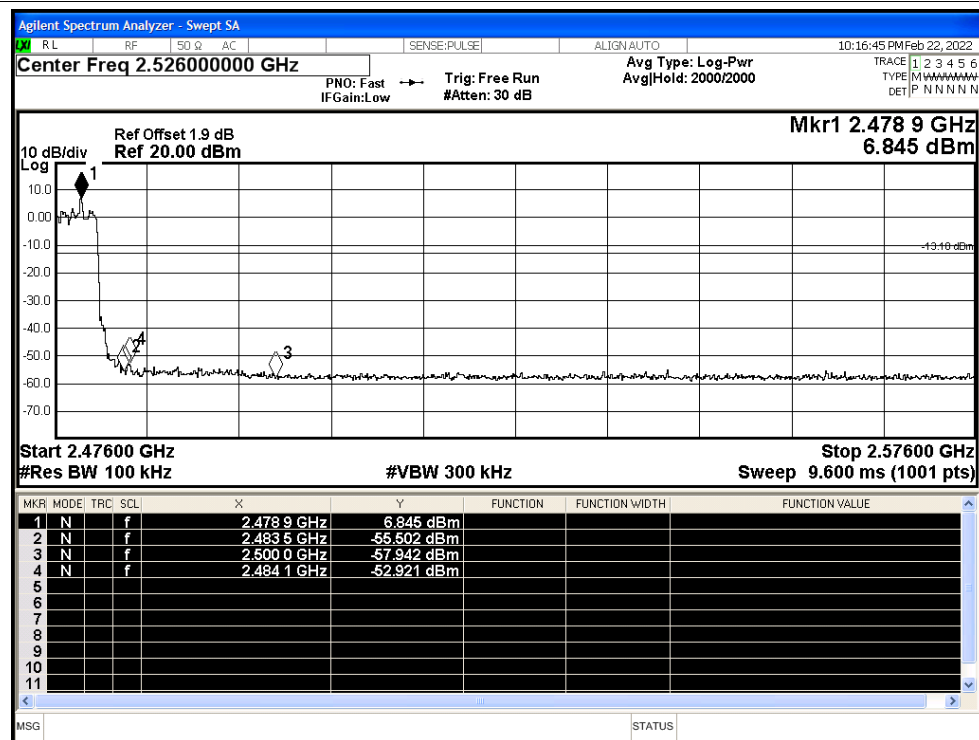




Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref



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





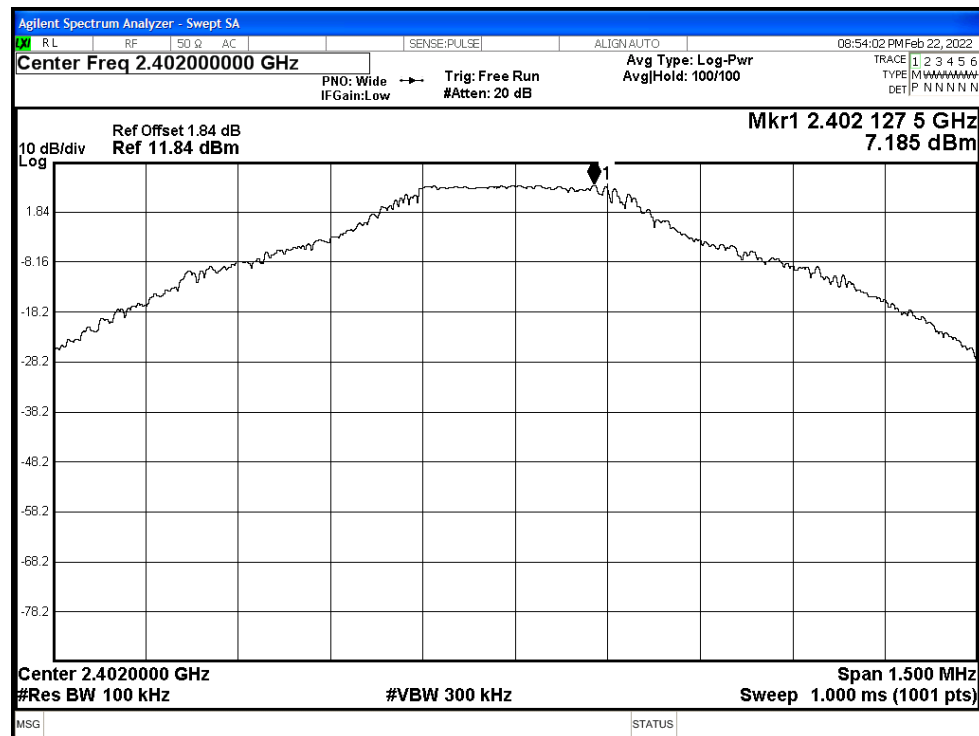
A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-38.71	-20	Pass
NVNT	1-DH5	2441	Ant1	-41.38	-20	Pass
NVNT	1-DH5	2480	Ant1	-40.95	-20	Pass
NVNT	2-DH5	2402	Ant1	-44.15	-20	Pass
NVNT	2-DH5	2441	Ant1	-45.36	-20	Pass
NVNT	2-DH5	2480	Ant1	-46.37	-20	Pass
NVNT	3-DH5	2402	Ant1	-43.53	-20	Pass
NVNT	3-DH5	2441	Ant1	-45.2	-20	Pass
NVNT	3-DH5	2480	Ant1	-43.52	-20	Pass

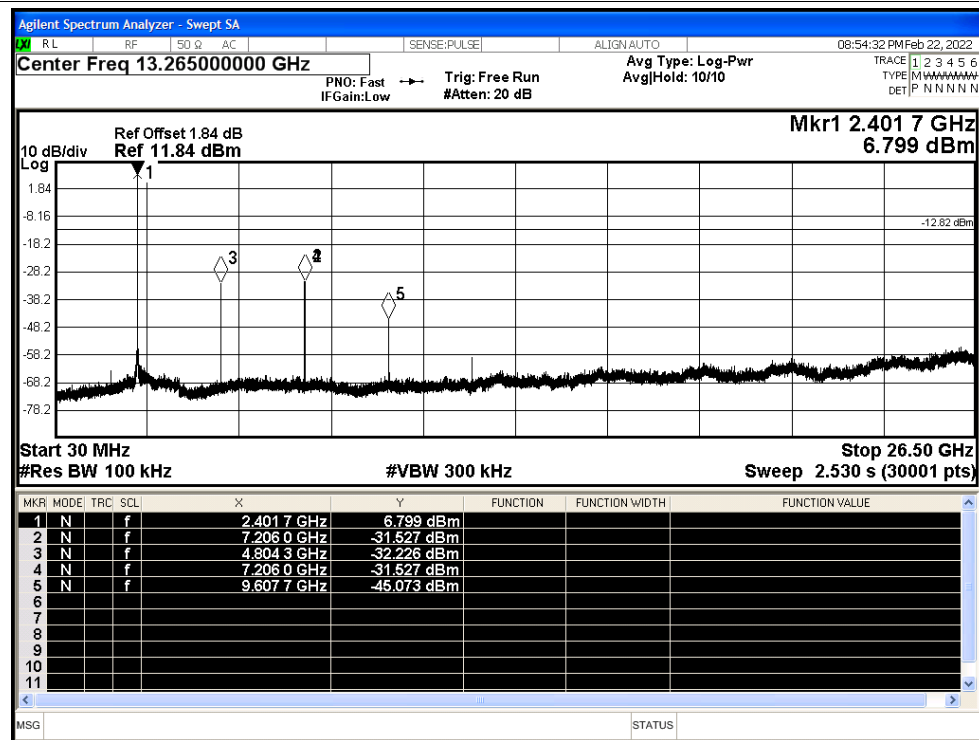


Test Graphs

Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Ref

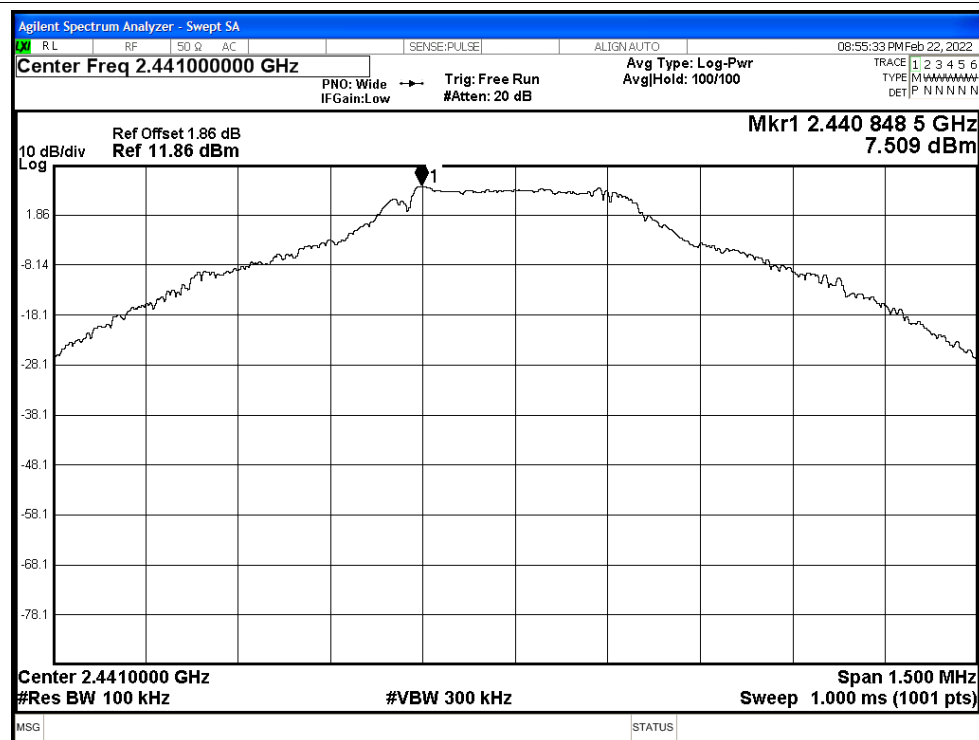


Tx. Spurious NVNT 1-DH5 2402MHz Ant1 Emission

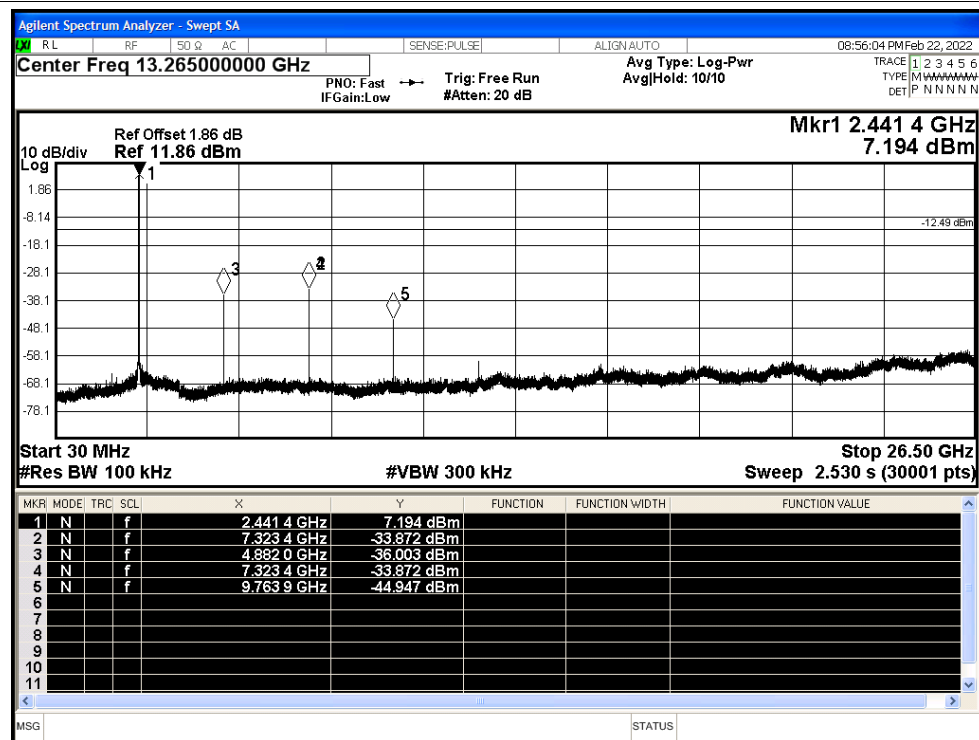




Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Ref

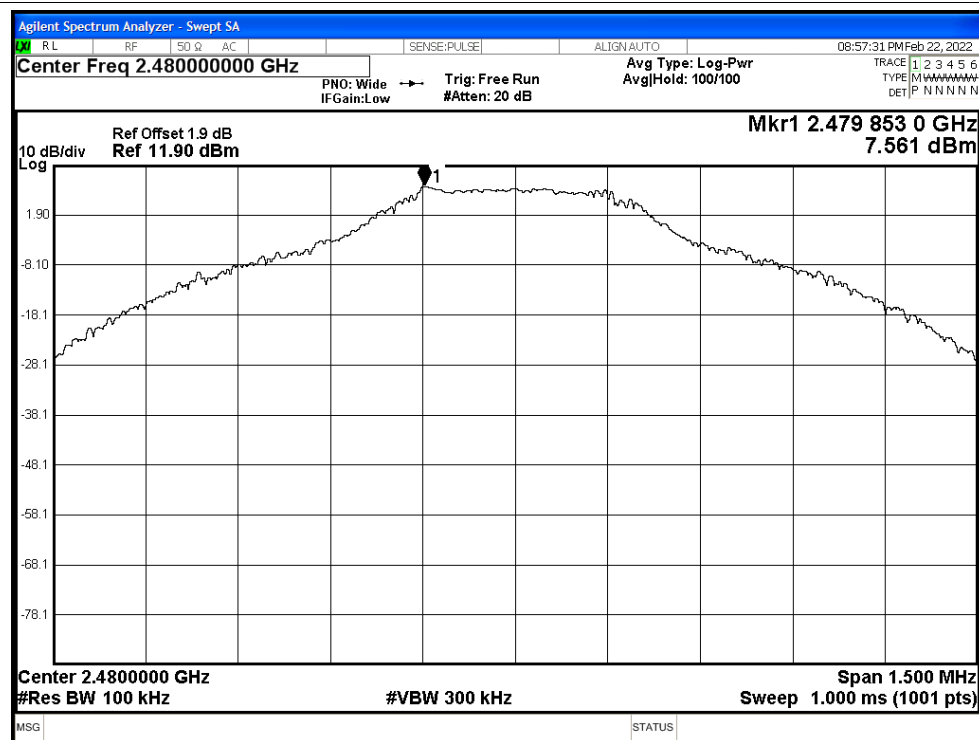


Tx. Spurious NVNT 1-DH5 2441MHz Ant1 Emission

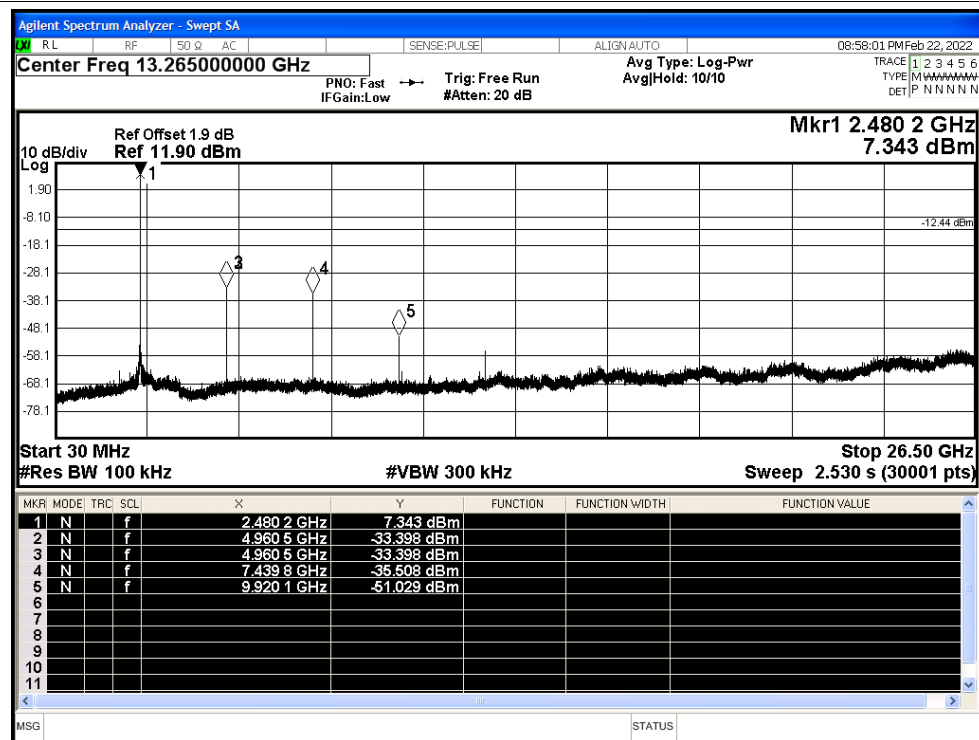




Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Ref

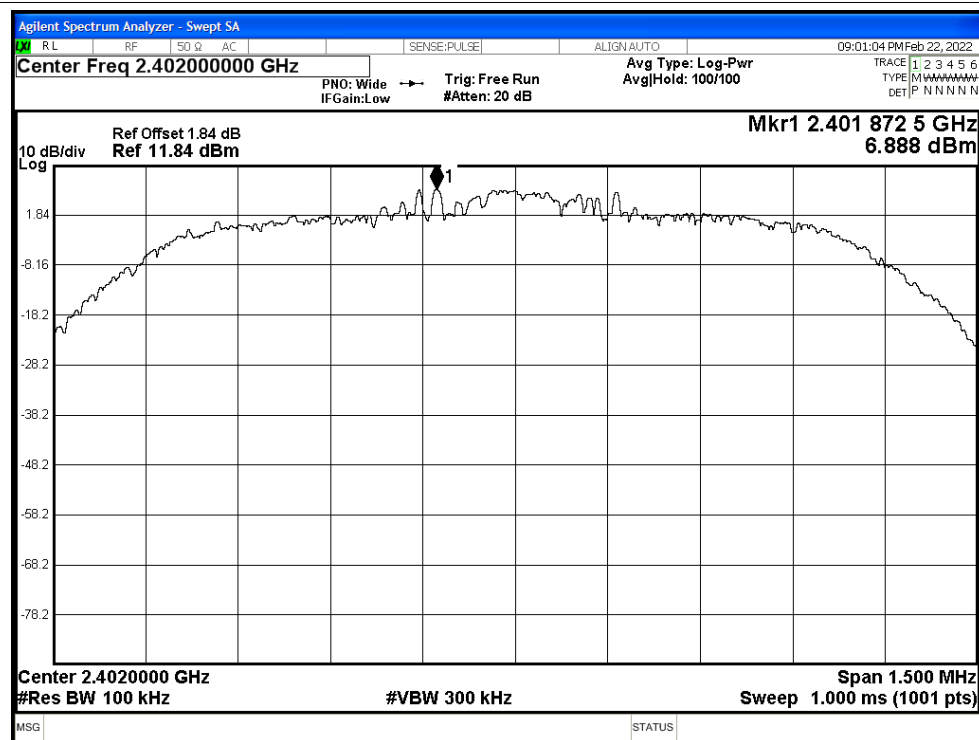


Tx. Spurious NVNT 1-DH5 2480MHz Ant1 Emission

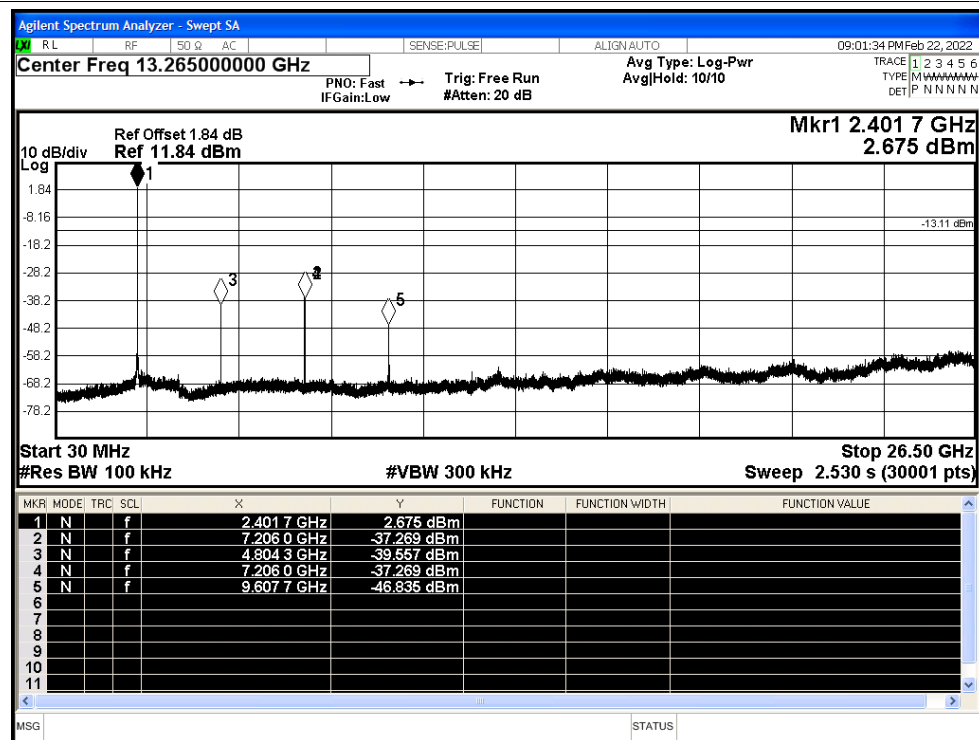




Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref

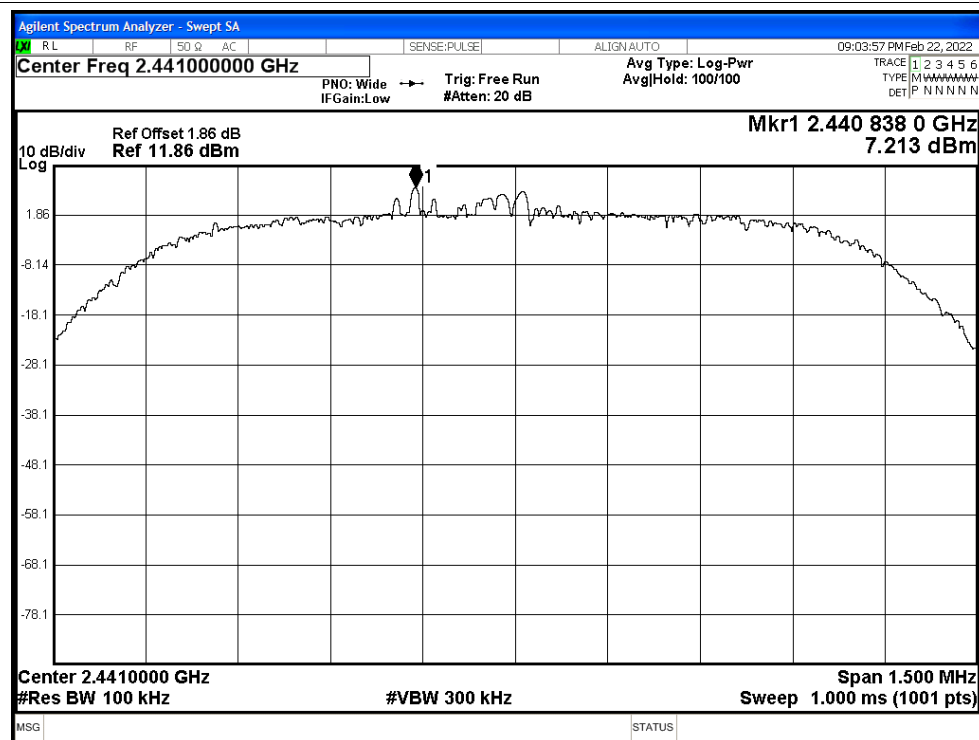


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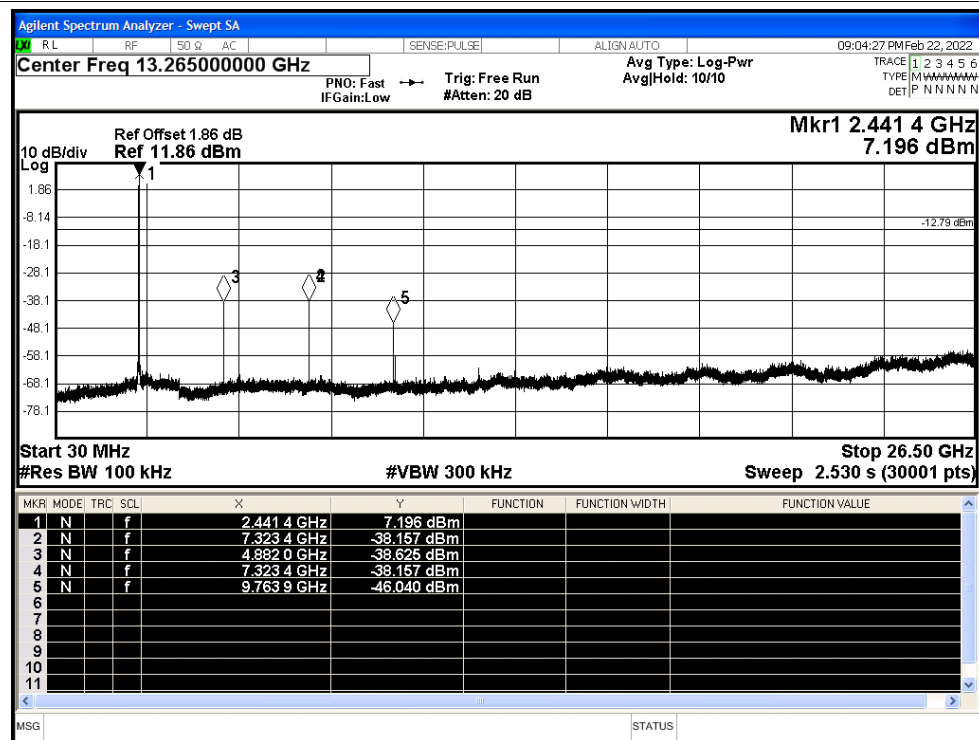




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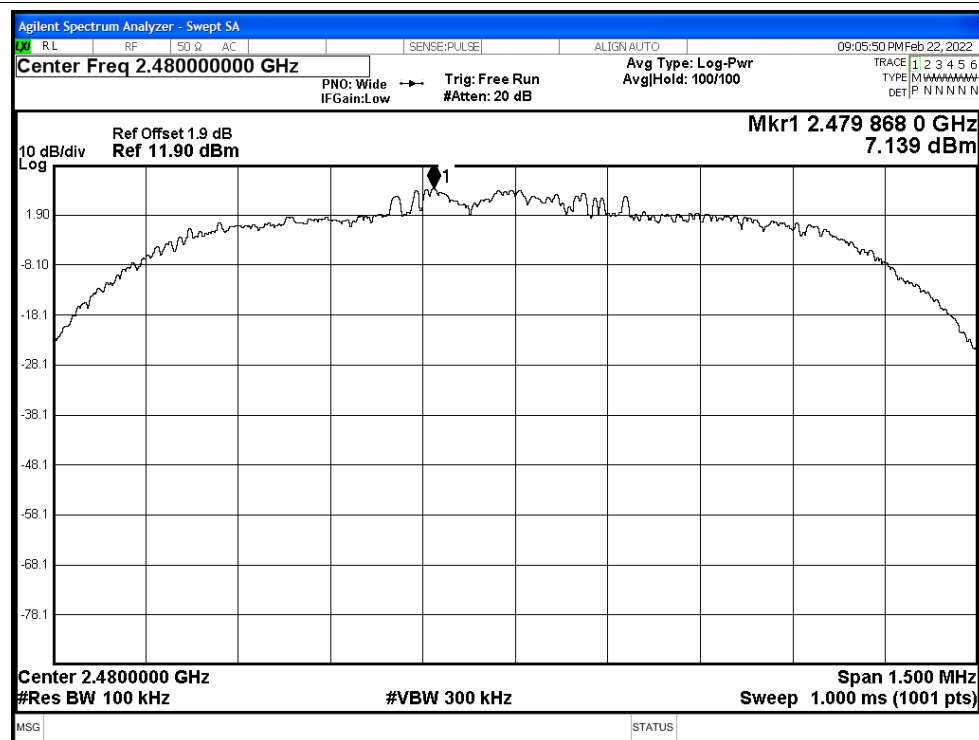


Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission

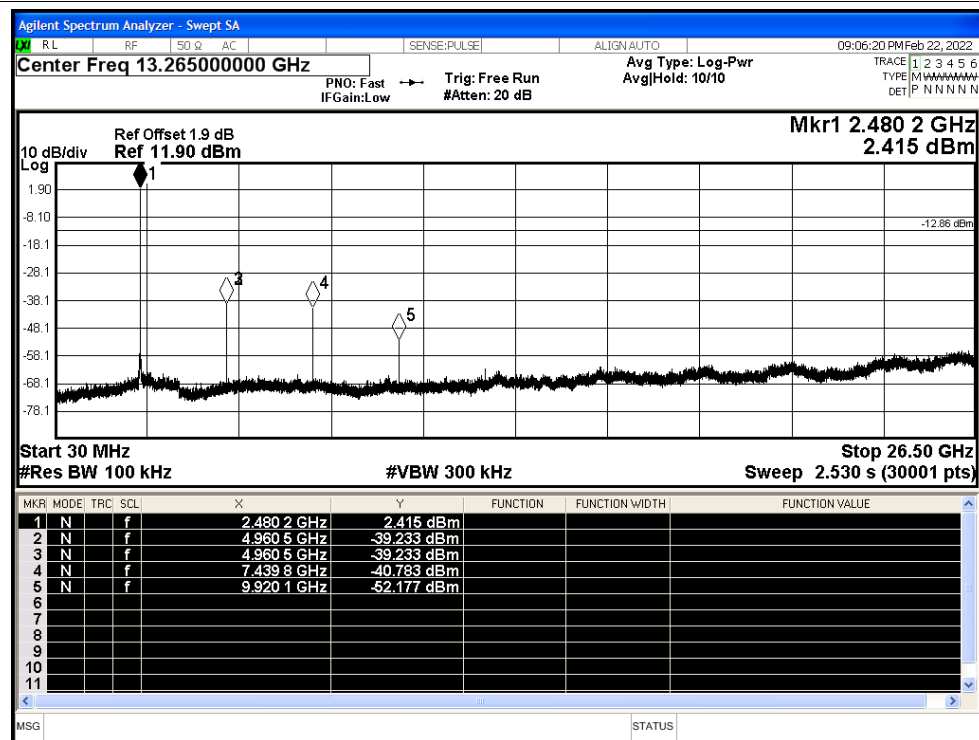




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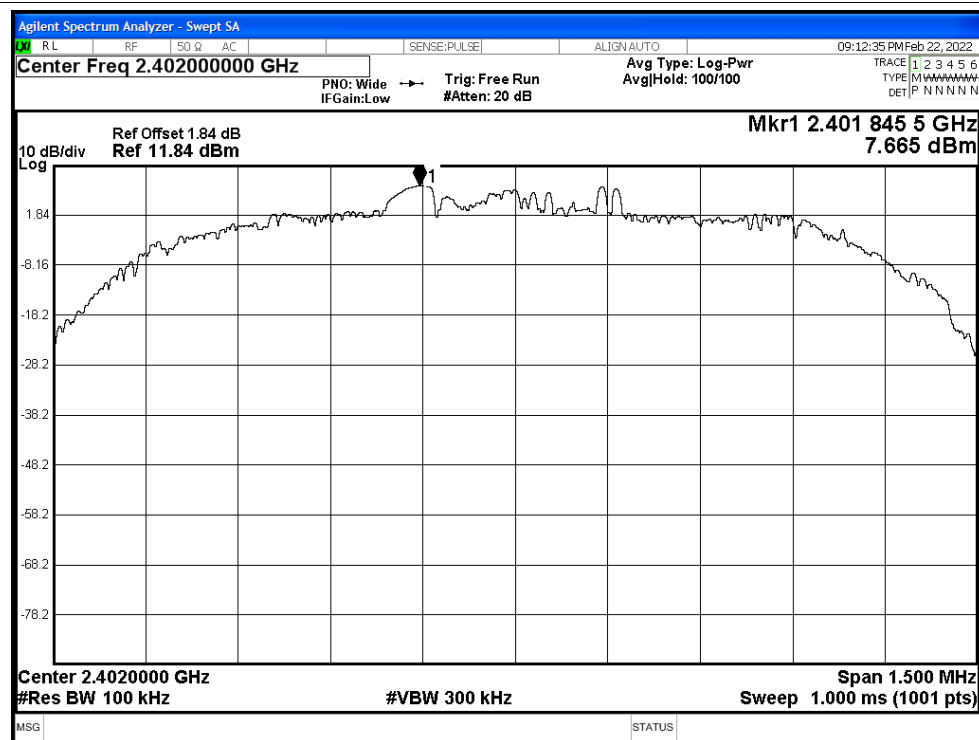


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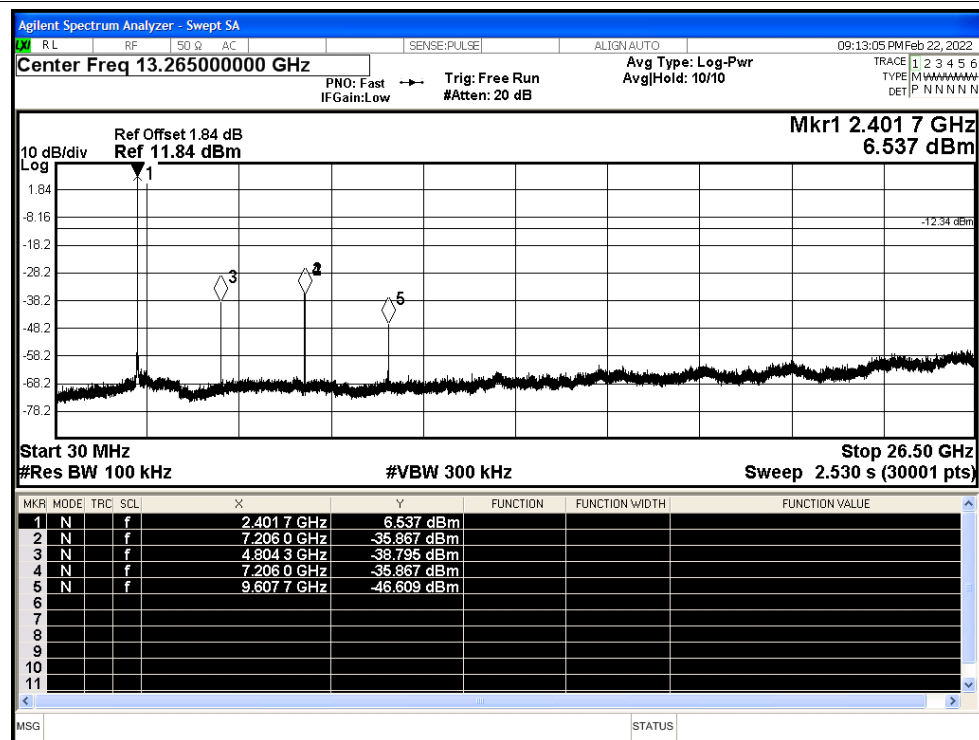




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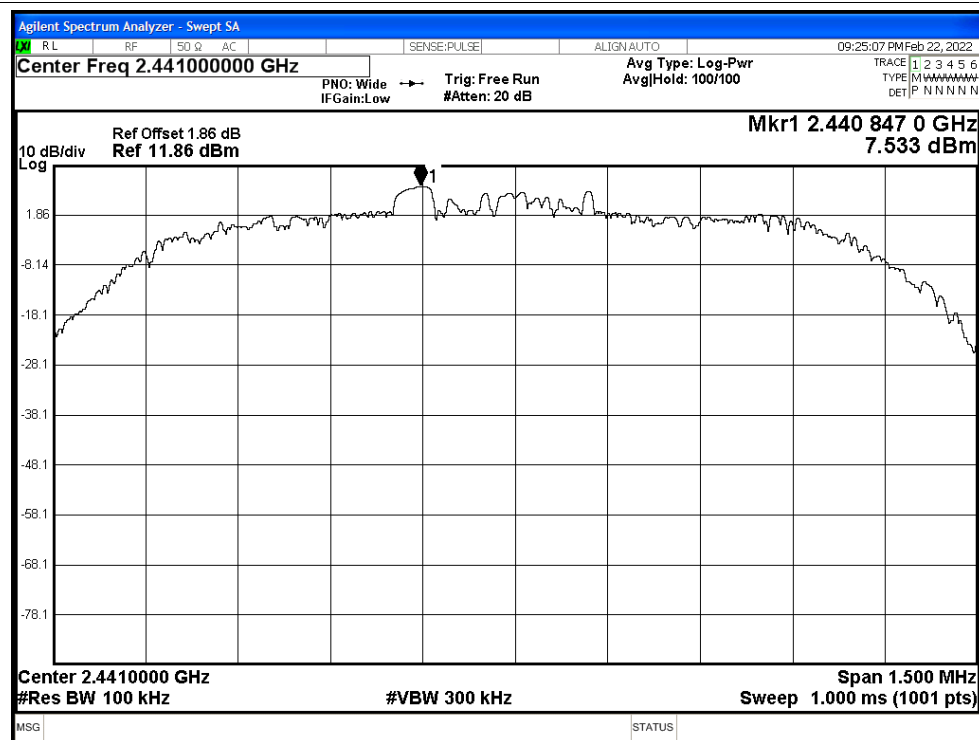


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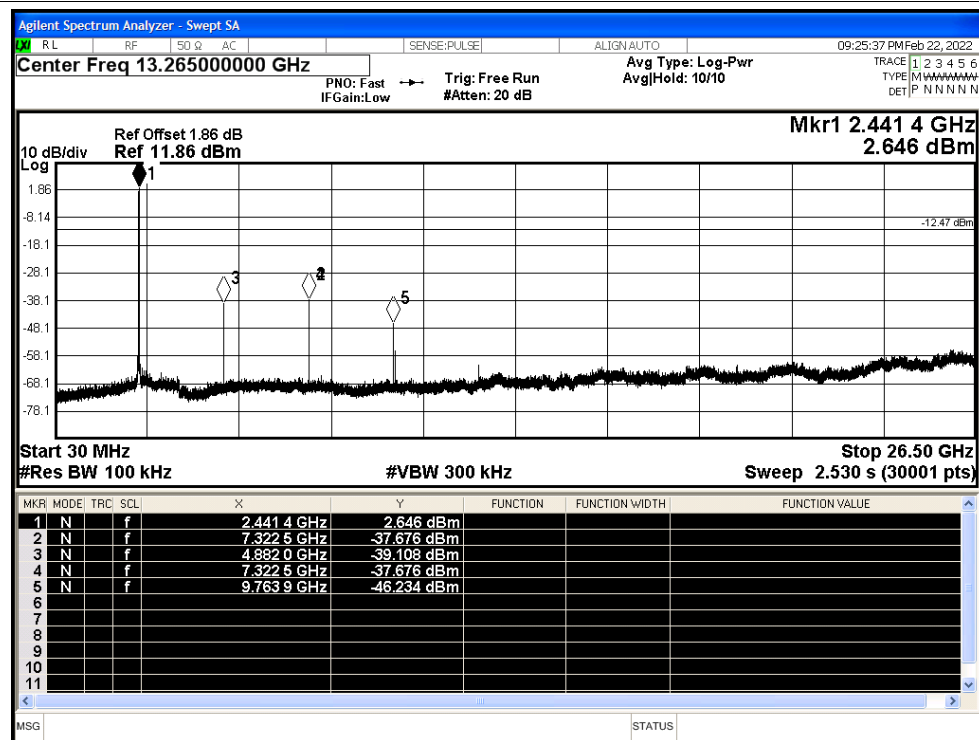




Tx. Spurious NVNT 3-DH5 2441MHz Ant1 Ref

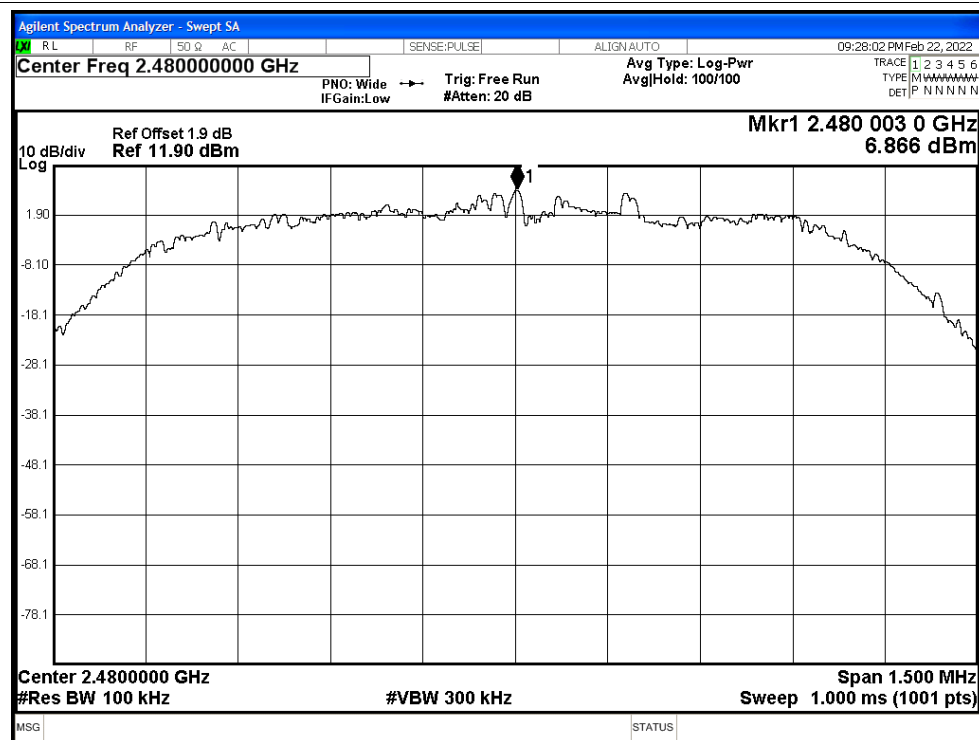


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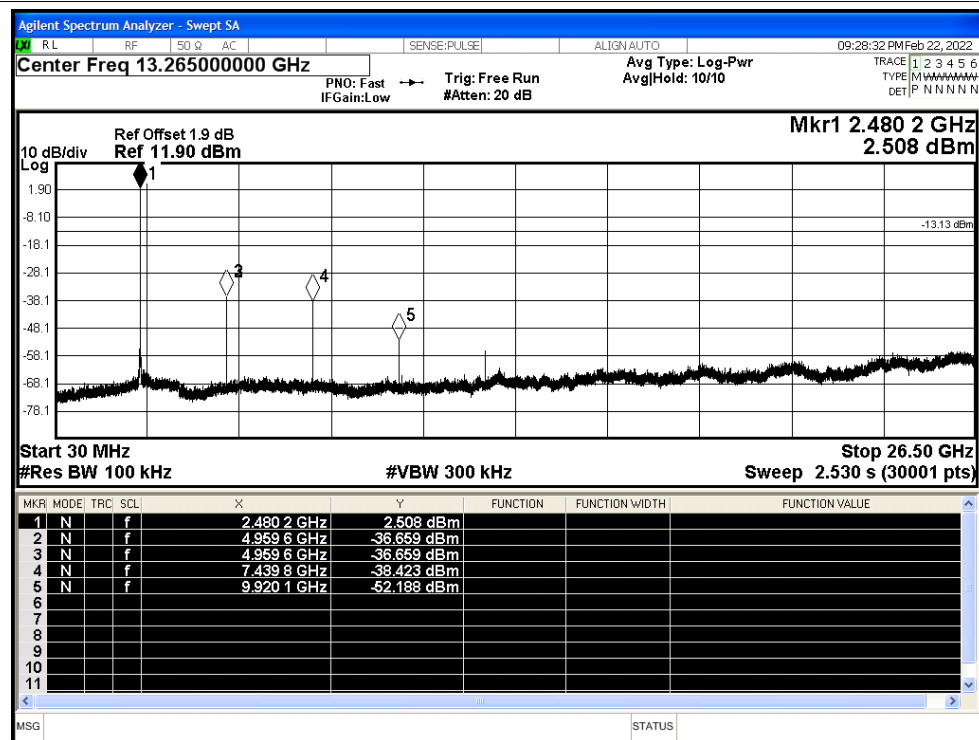




Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2480MHz Ant1 Emission





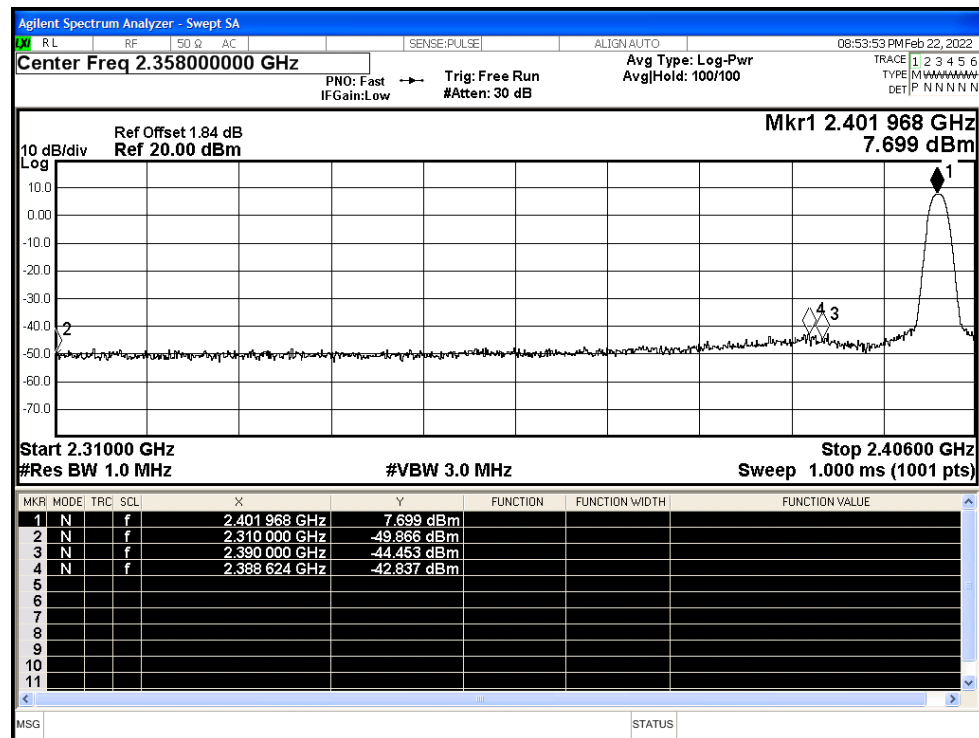
A.8 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-49.86	2	47.4	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.48	2	36.78	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.624	-42.83	2	54.43	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.24	-54.33	2	42.93	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-45.24	2	52.02	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-54.47	2	42.79	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-43.95	2	53.31	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-53.45	2	43.81	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.944	-41.62	2	55.64	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.536	-53.43	2	43.83	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.2	2	48.06	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-57.28	2	39.98	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.42	2	47.84	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.39	2	36.87	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.088	-44.74	2	52.52	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2388.144	-56.59	2	40.67	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-47.16	2	50.1	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-56.89	2	40.37	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-44.12	2	53.14	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-54.7	2	42.56	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.584	-42.23	2	55.03	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.56	-54.6	2	42.66	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-47.8	2	49.46	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-58.07	2	39.19	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-49.86	2	47.4	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.5	2	36.76	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2385.168	-44.37	2	52.89	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2388.432	-56.46	2	40.8	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-46.89	2	50.37	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-57	2	40.26	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-46.18	2	51.08	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-54.81	2	42.45	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.824	-42.9	2	54.36	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.536	-54.75	2	42.51	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-47.2	2	50.06	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-58.25	2	39.01	Average	54	Pass

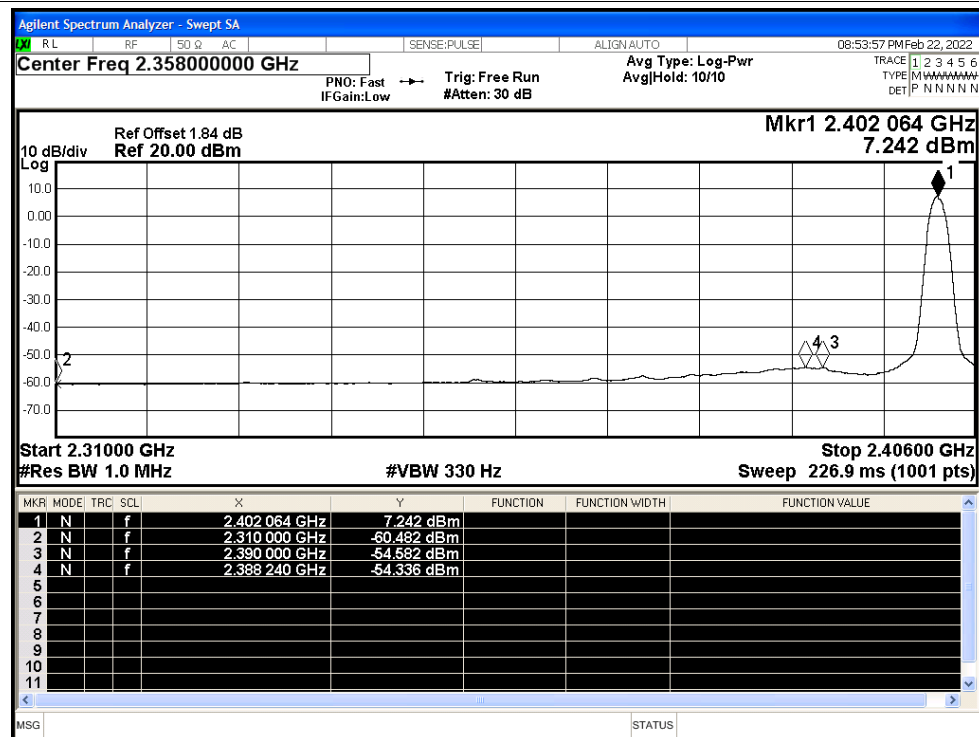


Test Graphs

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

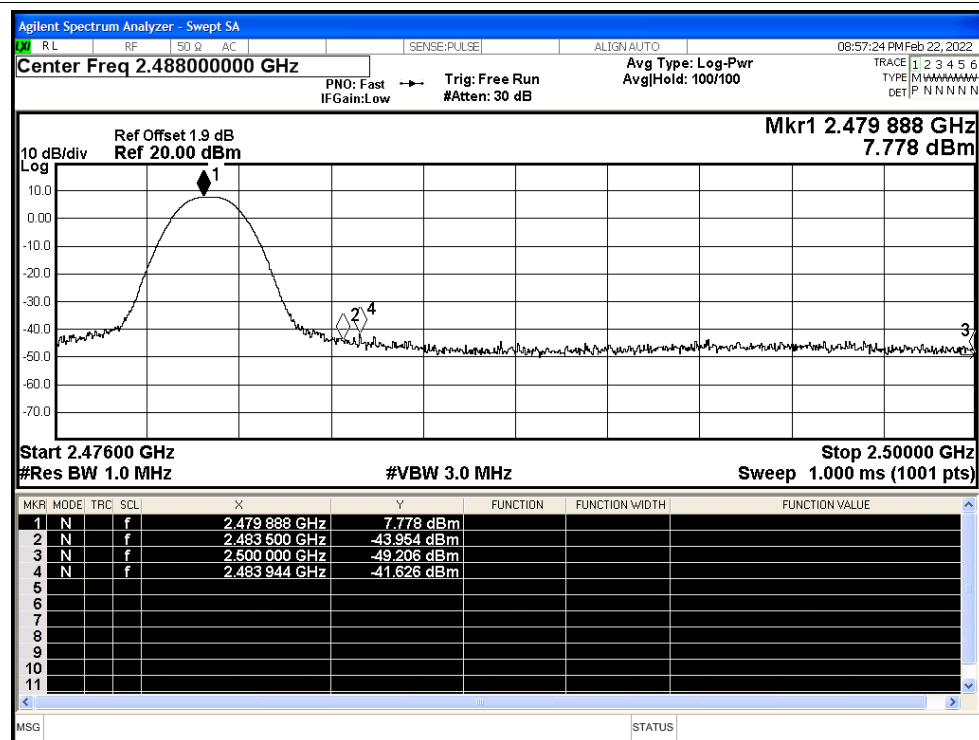


Restrict Band NVNT 1-DH5 2402MHz Ant1 No-Hopping Average

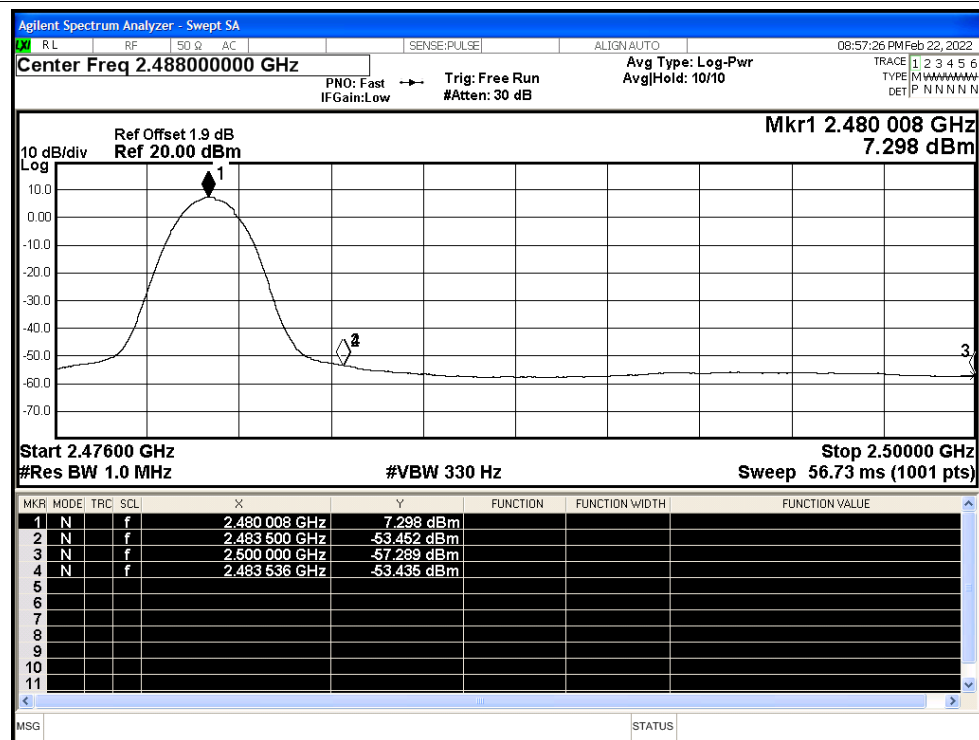




Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Peak

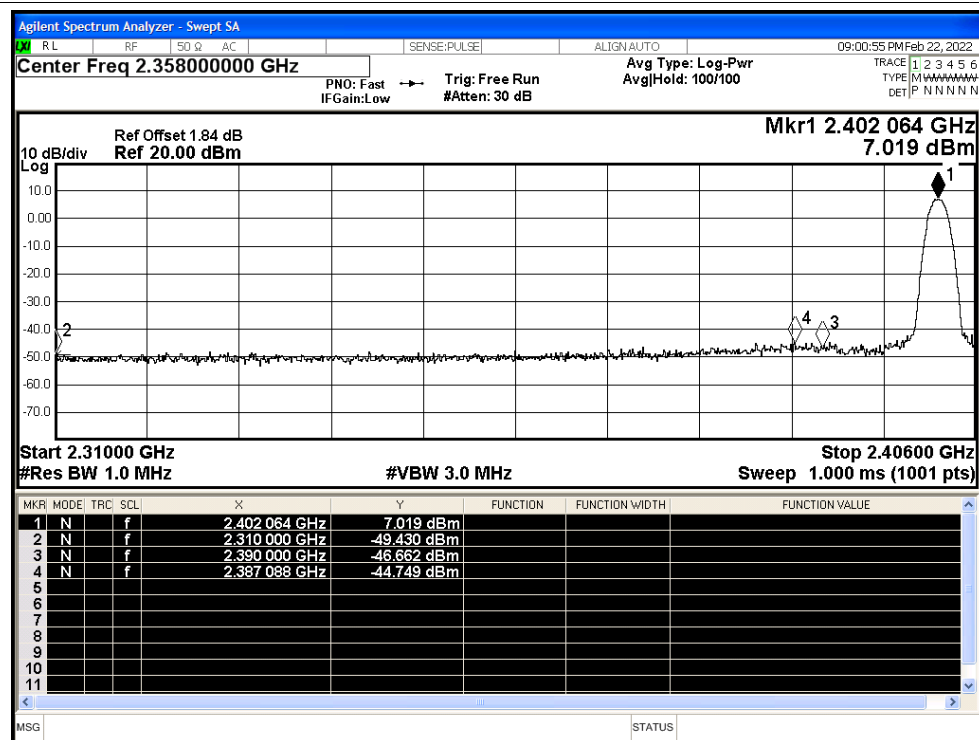


Restrict Band NVNT 1-DH5 2480MHz Ant1 No-Hopping Average

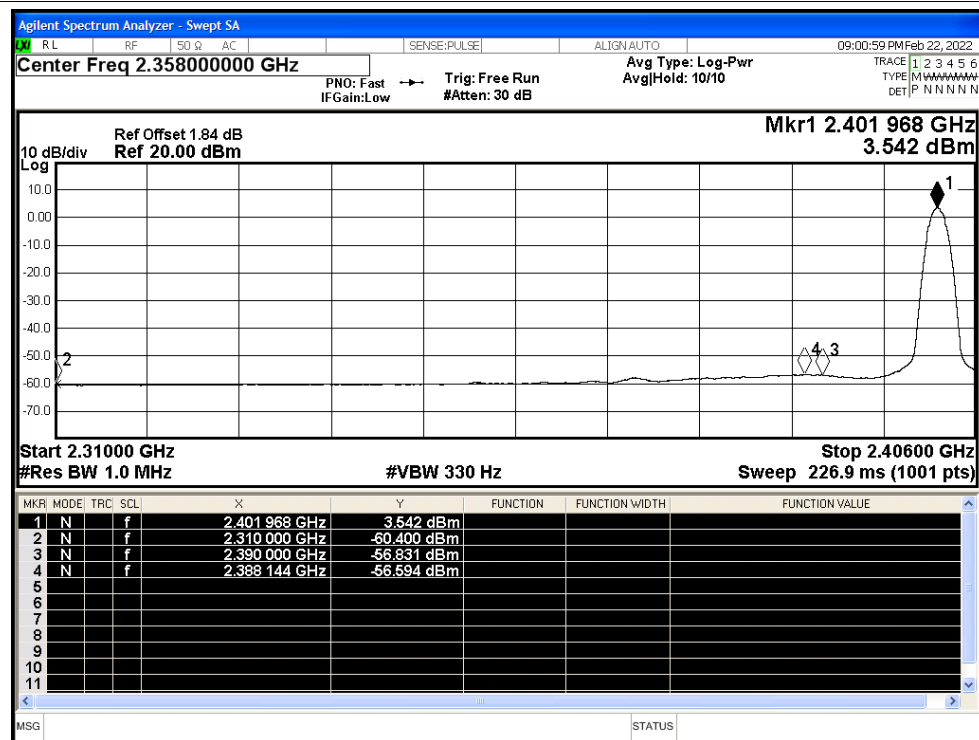




Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Peak

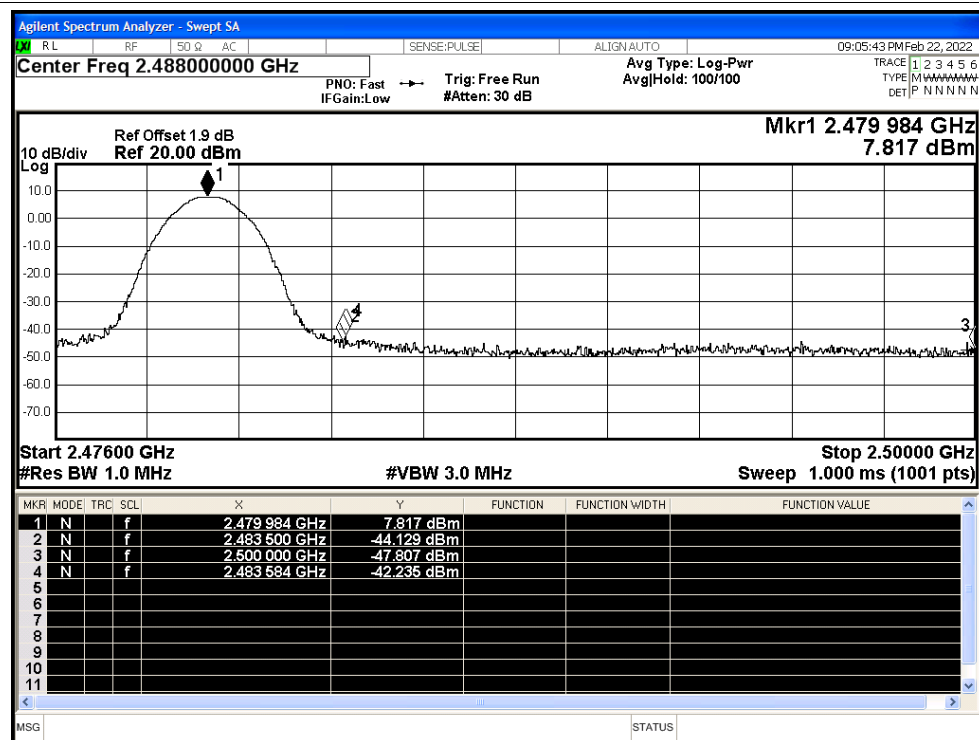


Restrict Band NVNT 2-DH5 2402MHz Ant1 No-Hopping Average

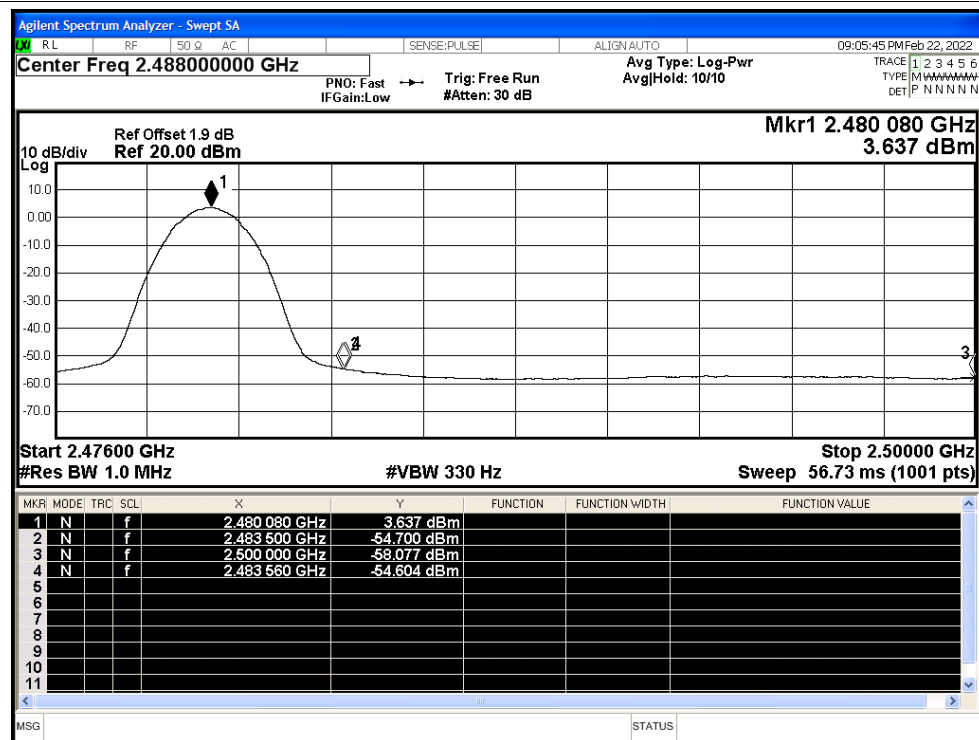




Restrict Band NVNT 2-DH5 2480MHz Ant1 No-Hopping Peak

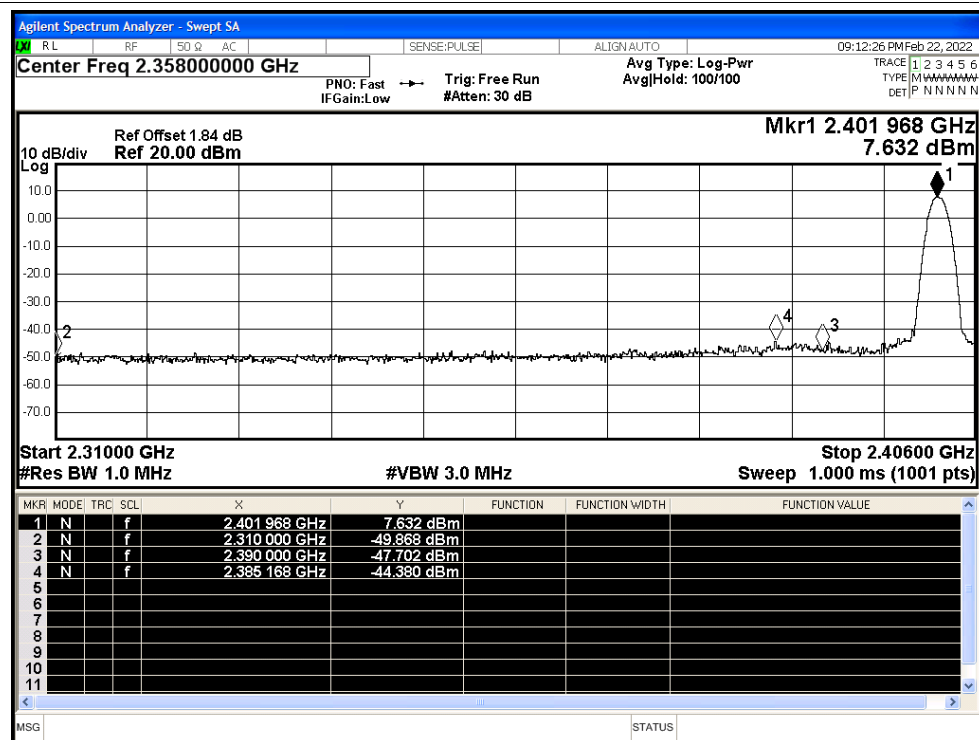


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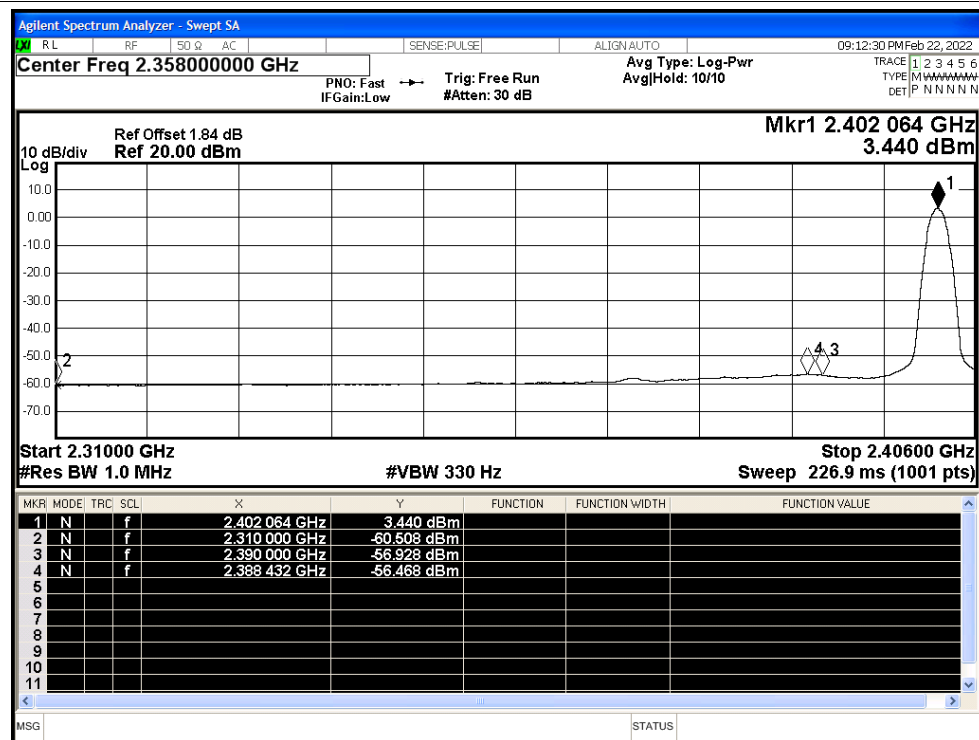




Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak

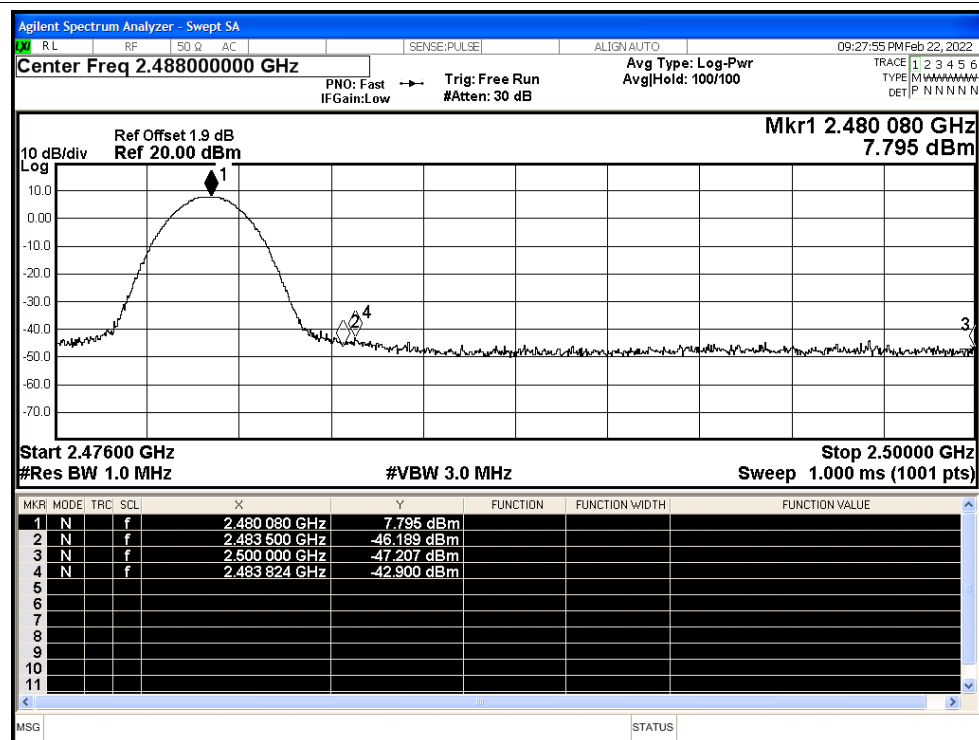


Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average





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



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

