



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: speaker watch

Test Model: U6

Environmental Conditions

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



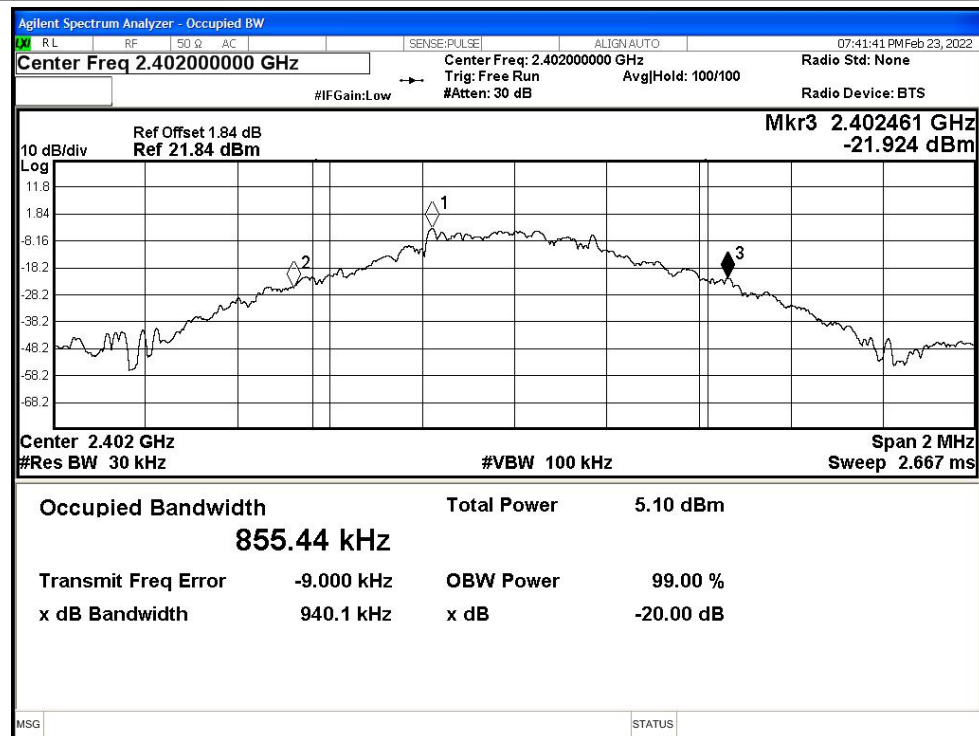
A.1 -20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.94	---	Pass
NVNT	1-DH5	2441	Ant1	0.943	---	Pass
NVNT	1-DH5	2480	Ant1	0.945	---	Pass
NVNT	2-DH5	2402	Ant1	1.313	---	Pass
NVNT	2-DH5	2441	Ant1	1.289	---	Pass
NVNT	2-DH5	2480	Ant1	1.323	---	Pass



Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1

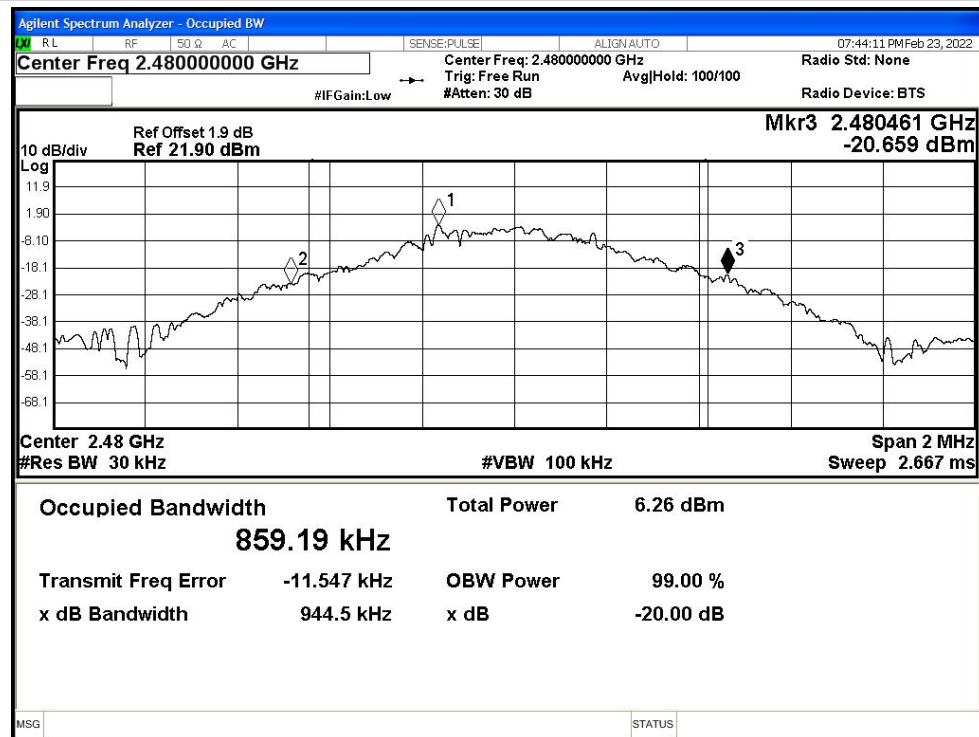


-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1

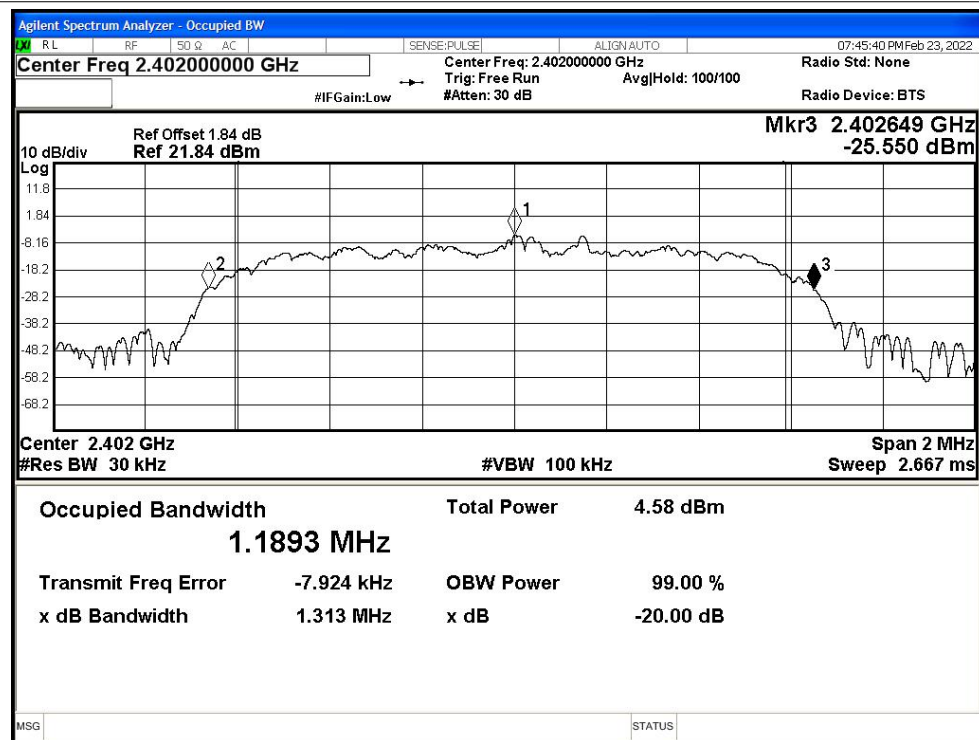




-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1

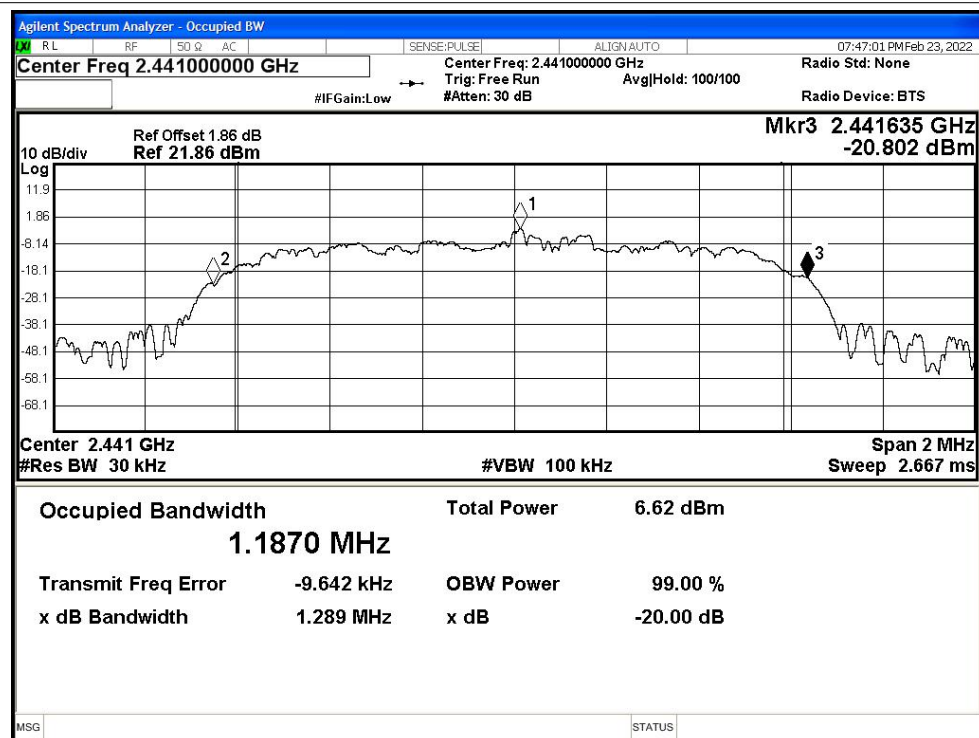


-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

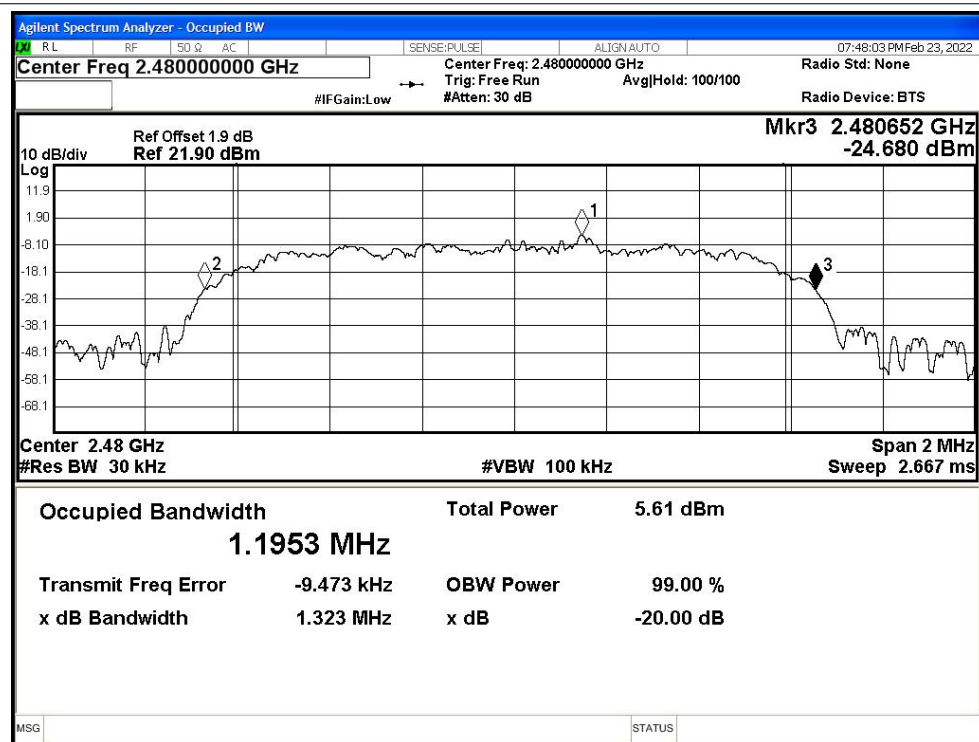




-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1





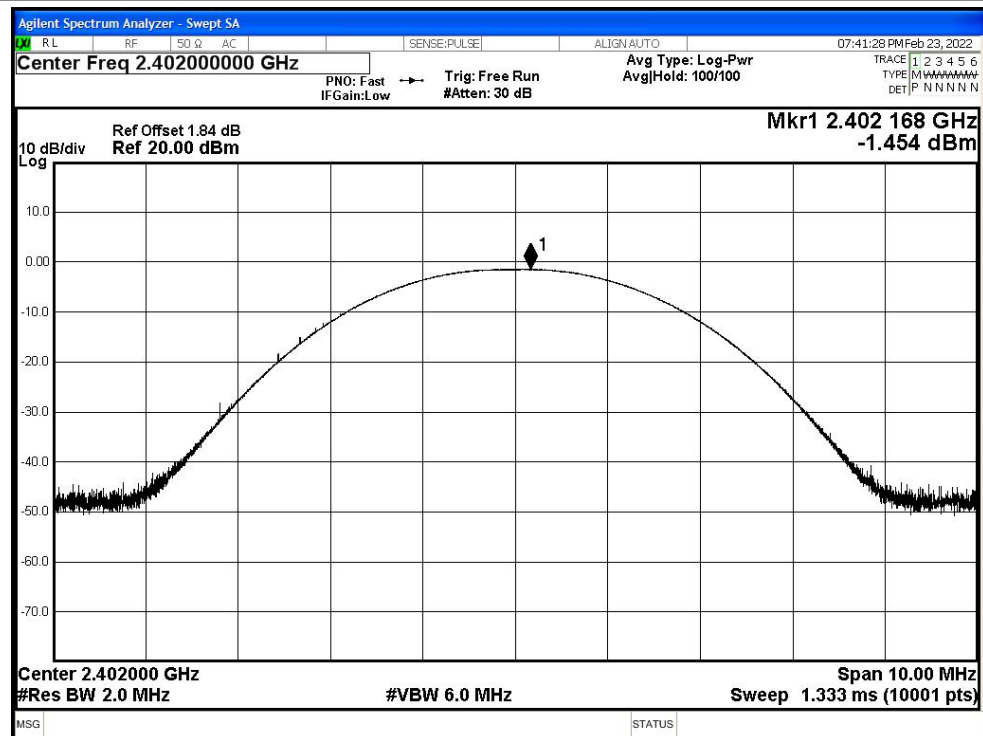
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.45	≤30.00	Pass
NVNT	1-DH5	2441	Ant1	0.44	≤30.00	Pass
NVNT	1-DH5	2480	Ant1	-0.11	≤30.00	Pass
NVNT	2-DH5	2402	Ant1	0.36	≤20.97	Pass
NVNT	2-DH5	2441	Ant1	2.29	≤20.97	Pass
NVNT	2-DH5	2480	Ant1	1.73	≤20.97	Pass

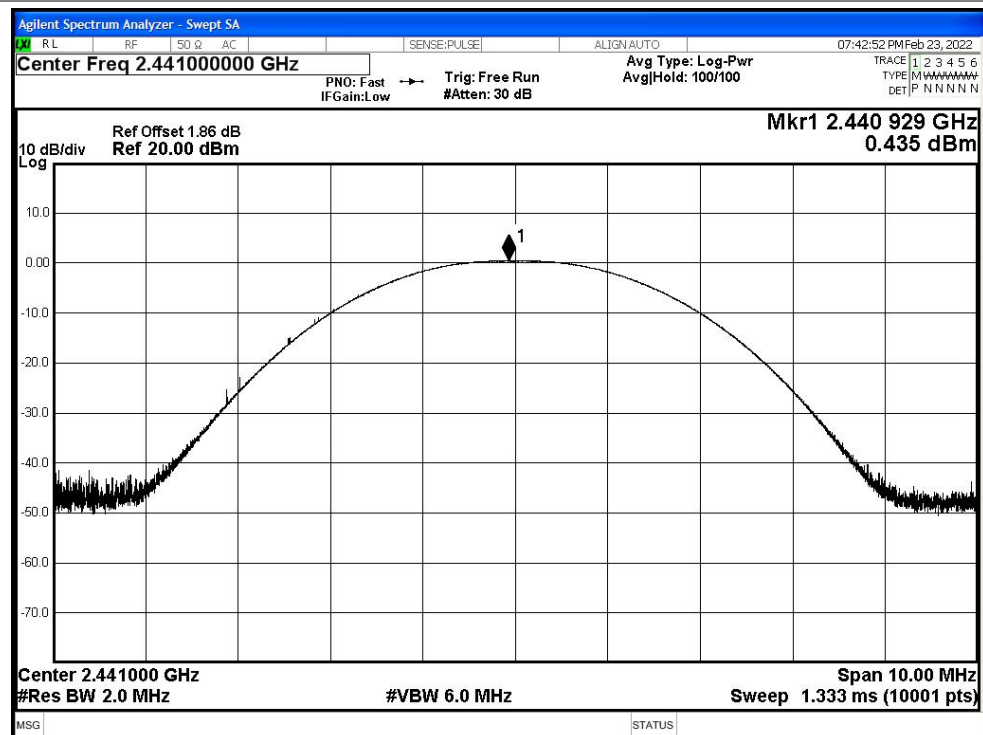


Test Graphs

Power NVNT 1-DH5 2402MHz Ant1

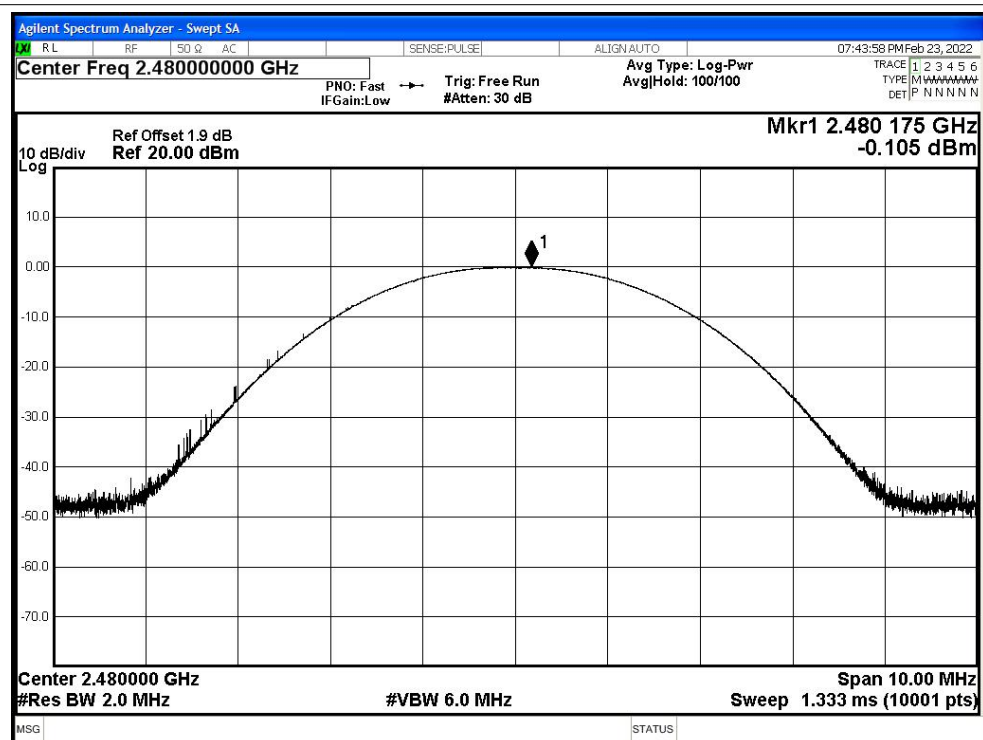


Power NVNT 1-DH5 2441MHz Ant1

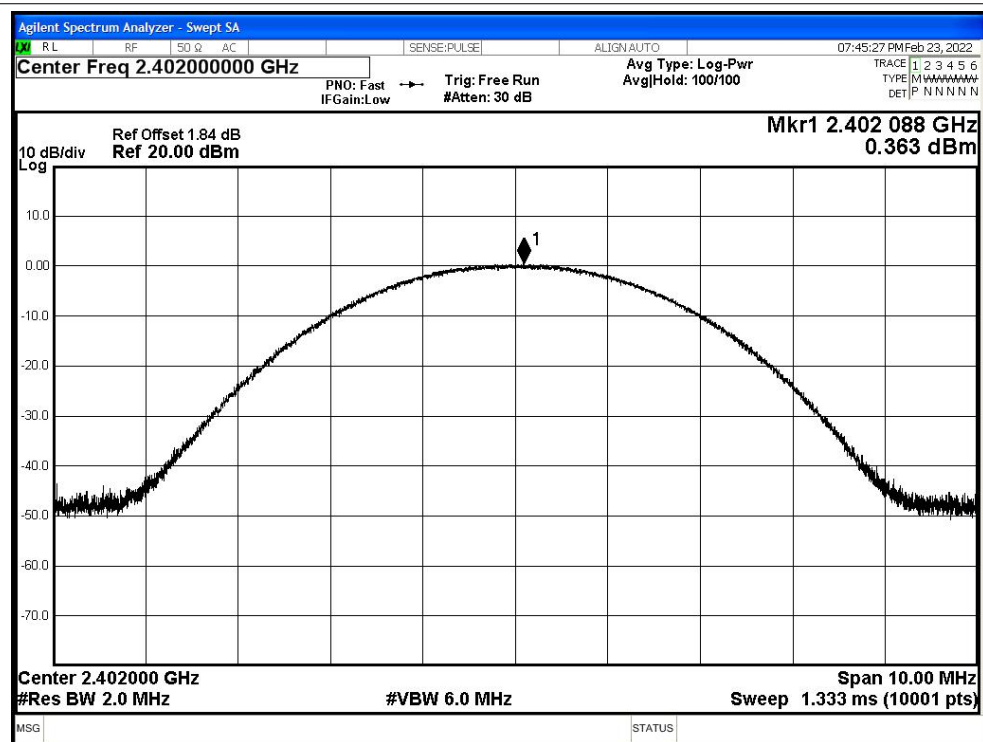




Power NVNT 1-DH5 2480MHz Ant1

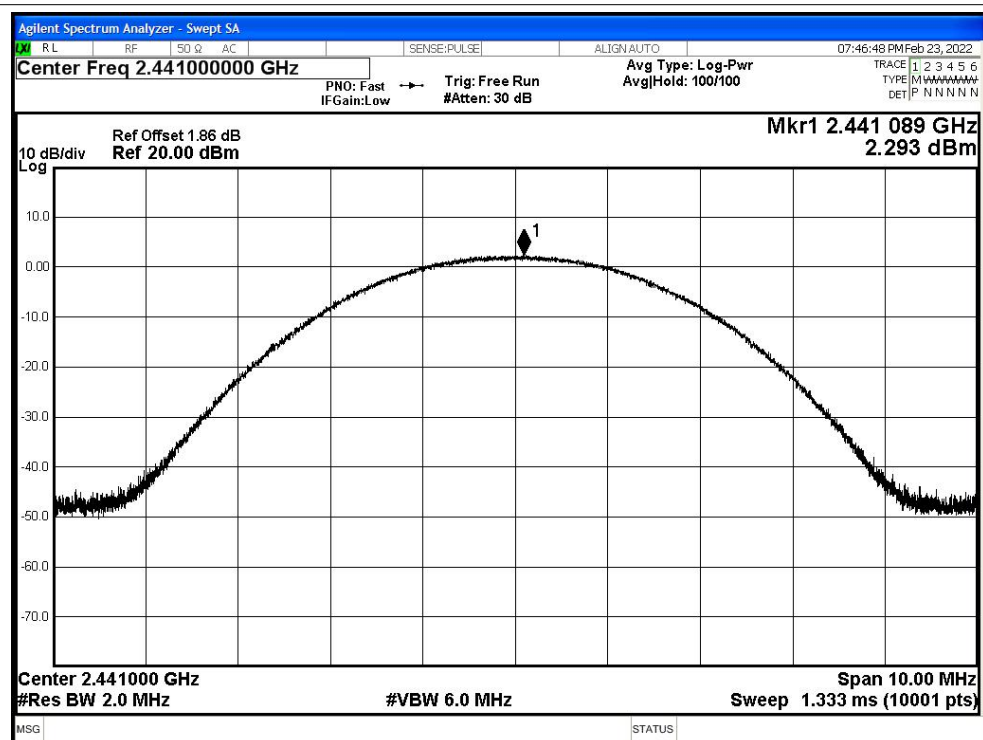


Power NVNT 2-DH5 2402MHz Ant1

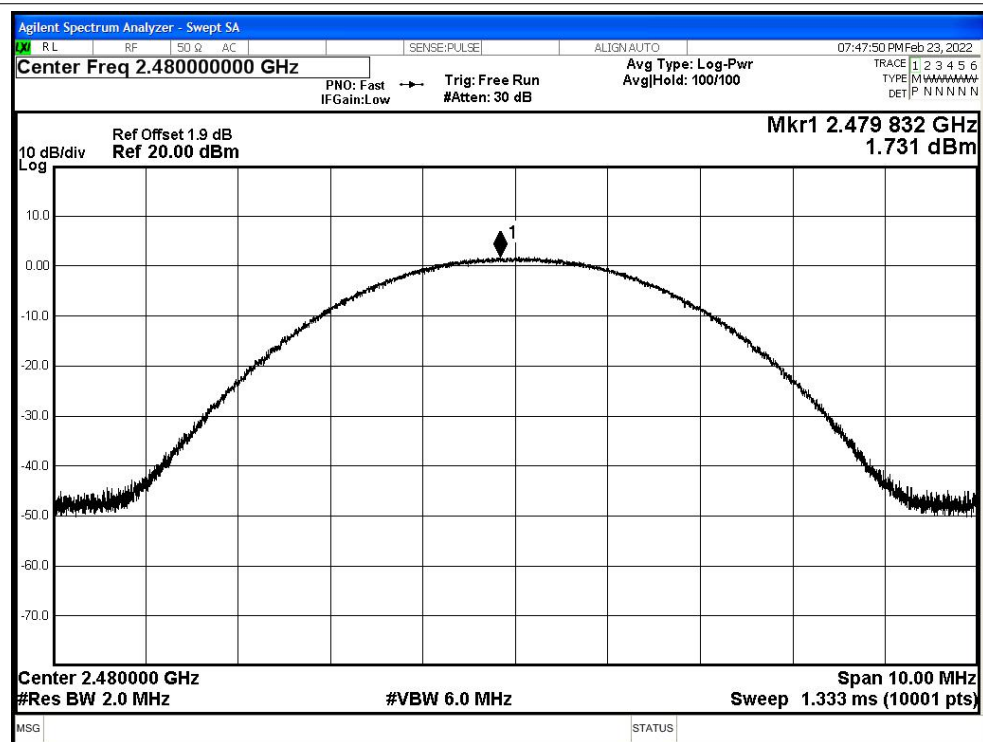




Power NVNT 2-DH5 2441MHz Ant1



Power NVNT 2-DH5 2480MHz Ant1





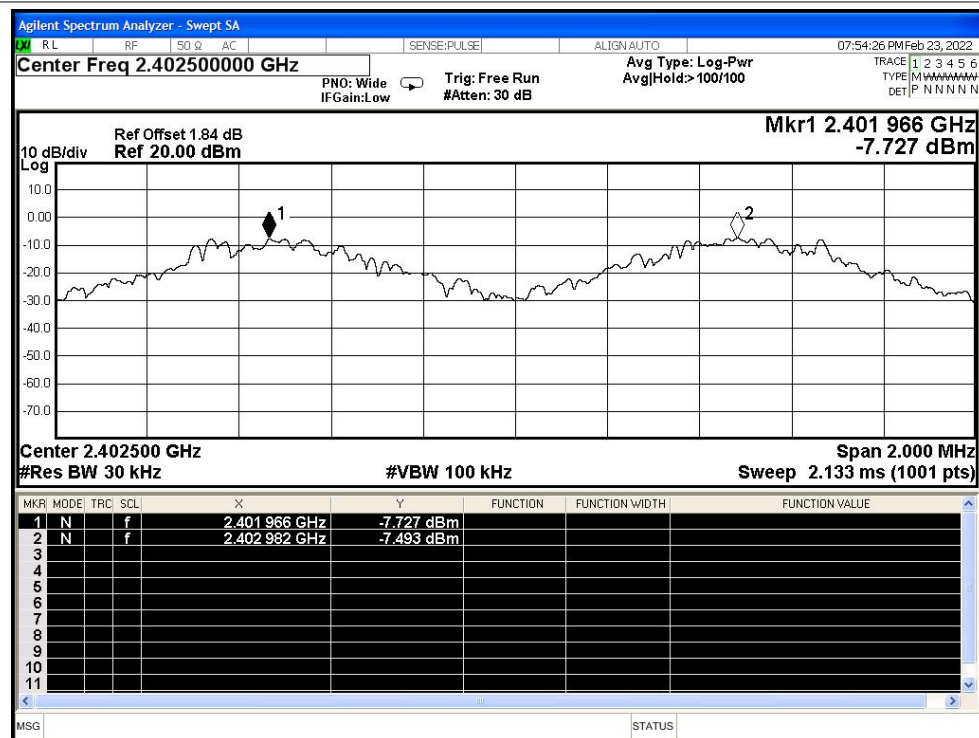
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.966	2402.982	1.016	≥ 0.94	Pass
NVNT	1-DH5	Ant1	2440.964	2441.972	1.008	≥ 0.943	Pass
NVNT	1-DH5	Ant1	2478.834	2479.826	0.992	≥ 0.945	Pass
NVNT	2-DH5	Ant1	2401.992	2403.168	1.176	≥ 0.875	Pass
NVNT	2-DH5	Ant1	2440.822	2442.008	1.186	≥ 0.859	Pass
NVNT	2-DH5	Ant1	2479.006	2480.156	1.15	≥ 0.882	Pass



Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1

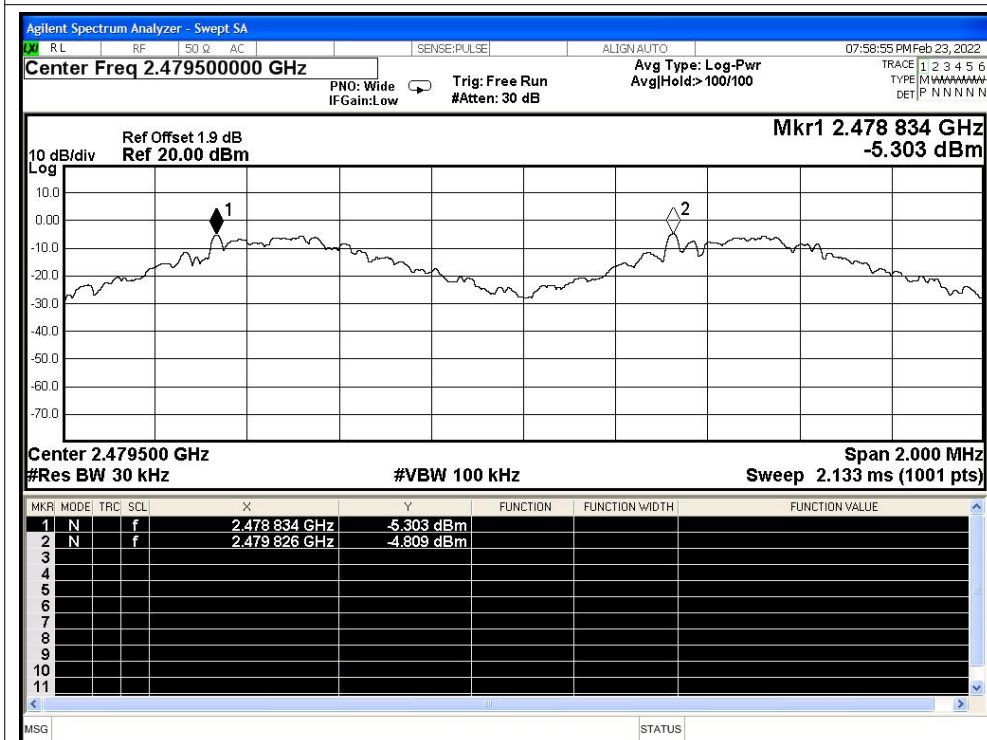


CFS NVNT 1-DH5 2441MHz Ant1

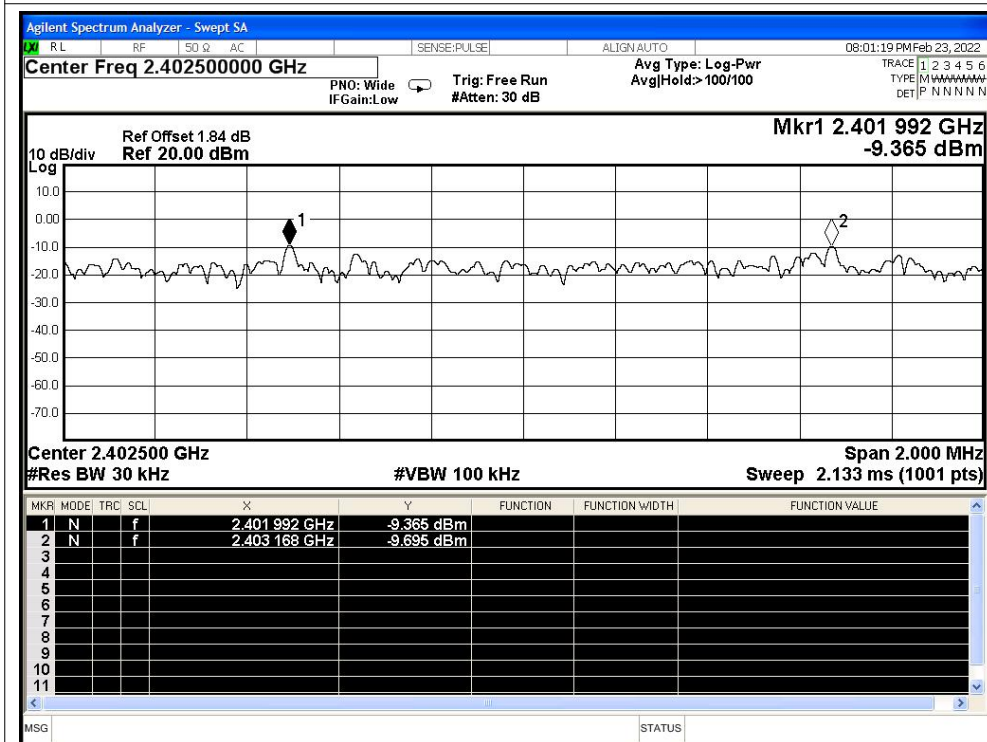




CFS NVNT 1-DH5 2480MHz Ant1

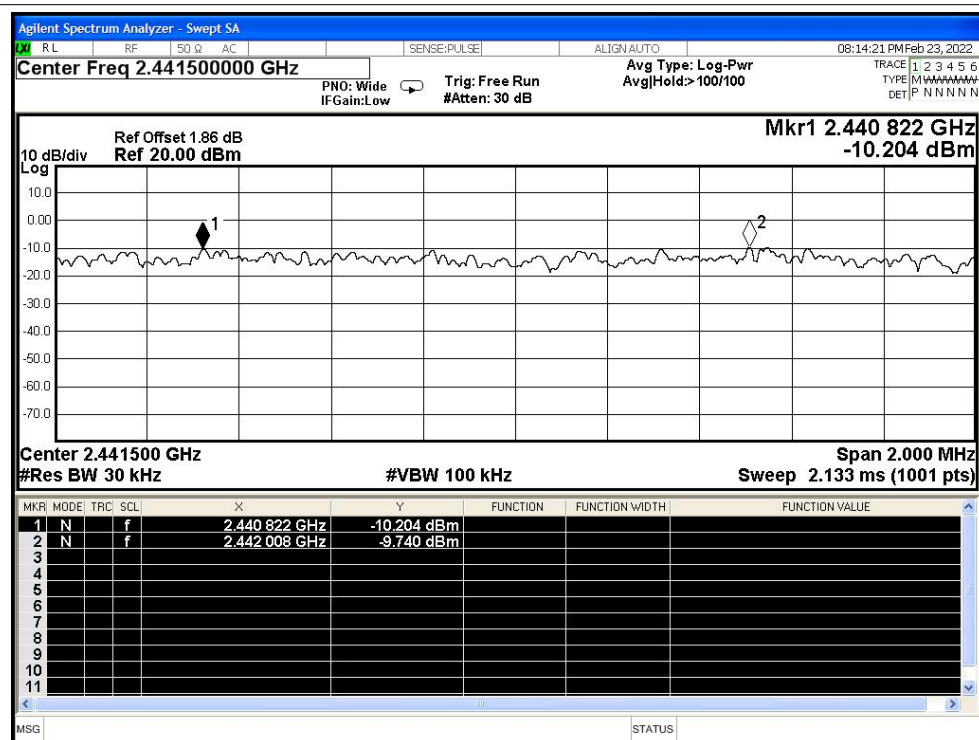


CFS NVNT 2-DH5 2402MHz Ant1

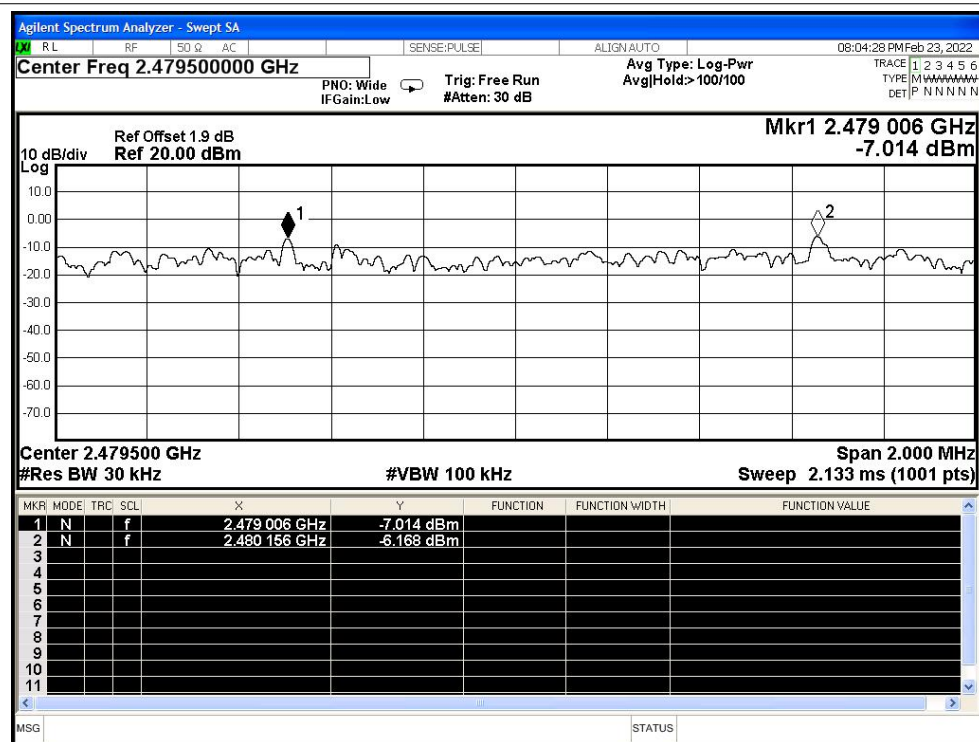




CFS NVNT 2-DH5 2441MHz Ant1



CFS NVNT 2-DH5 2480MHz Ant1





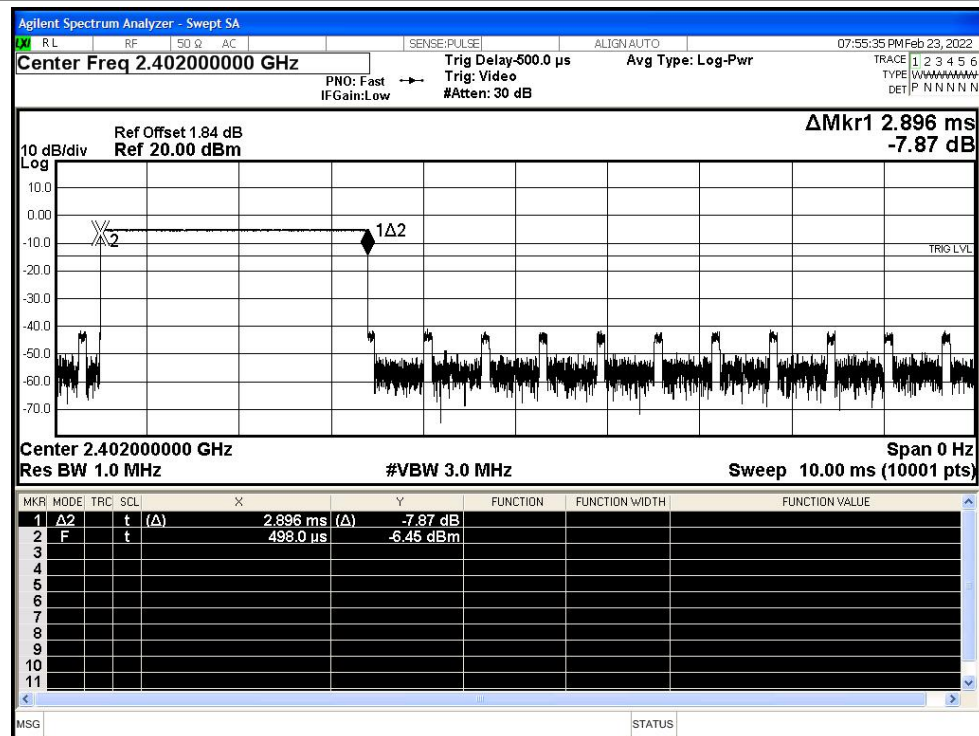
A.4 Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Burst Count	Period Time (ms)	Total Dwell Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.896	111	31600	321.456	≤400	Pass
NVNT	1-DH5	2441	Ant1	2.896	114	31600	330.144	≤400	Pass
NVNT	1-DH5	2480	Ant1	2.896	97	31600	280.912	≤400	Pass
NVNT	2-DH5	2402	Ant1	1.524	107	31600	163.068	≤400	Pass
NVNT	2-DH5	2441	Ant1	2.884	102	31600	294.168	≤400	Pass
NVNT	2-DH5	2480	Ant1	2.884	113	31600	325.892	≤400	Pass

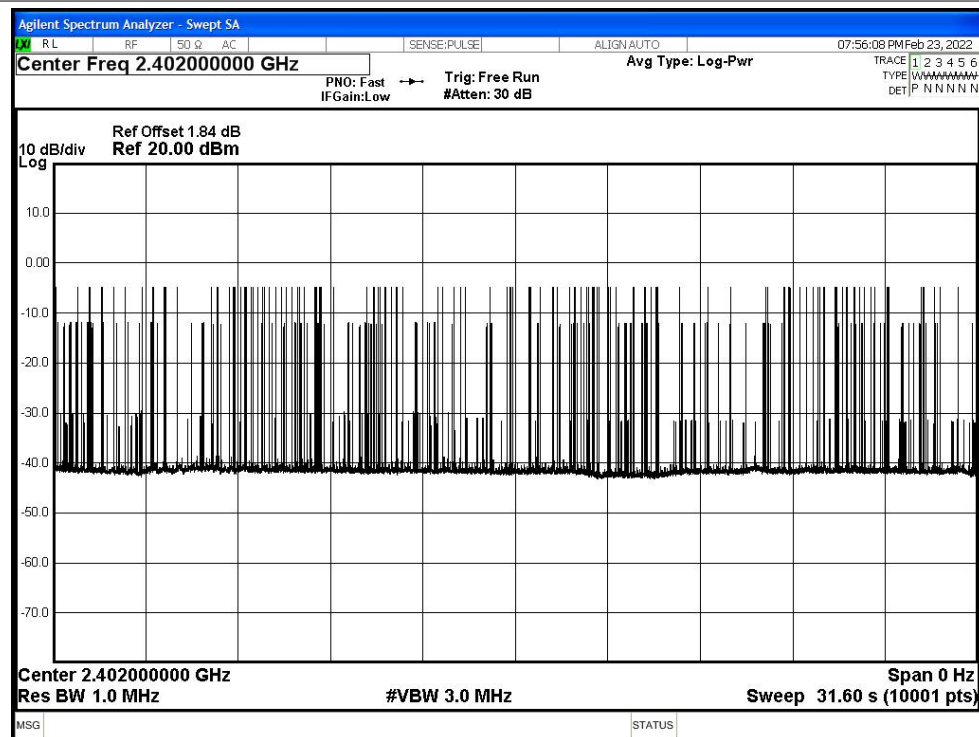


Test Graphs

Dwell NVNT 1-DH5 2402MHz Ant1 One Burst

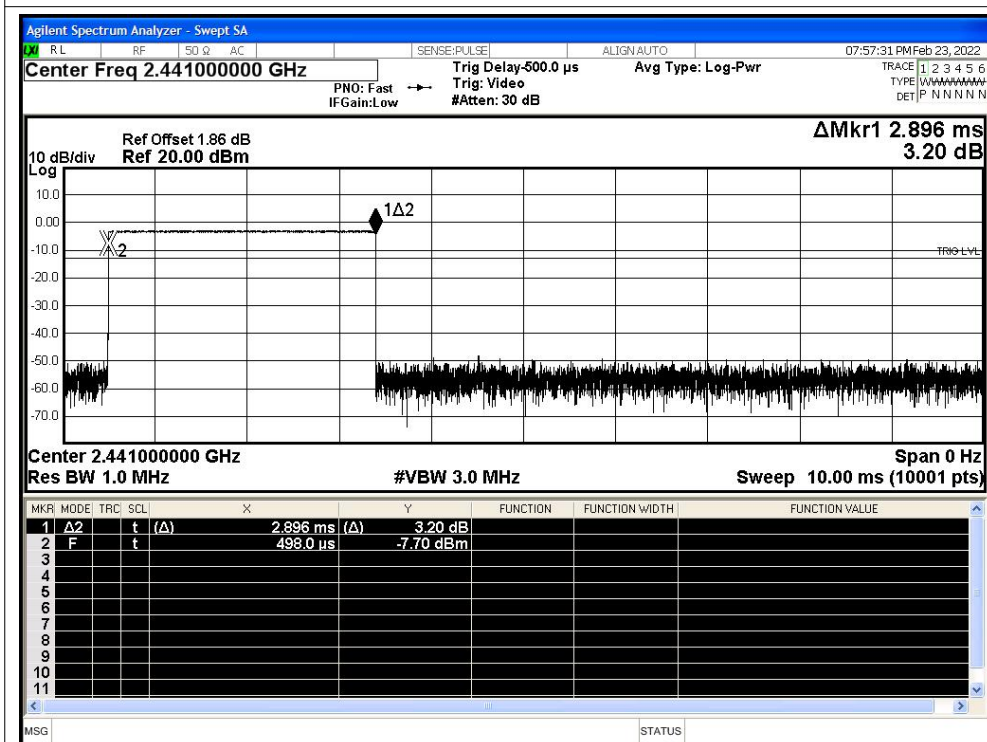


Dwell NVNT 1-DH5 2402MHz Ant1 Accumulated

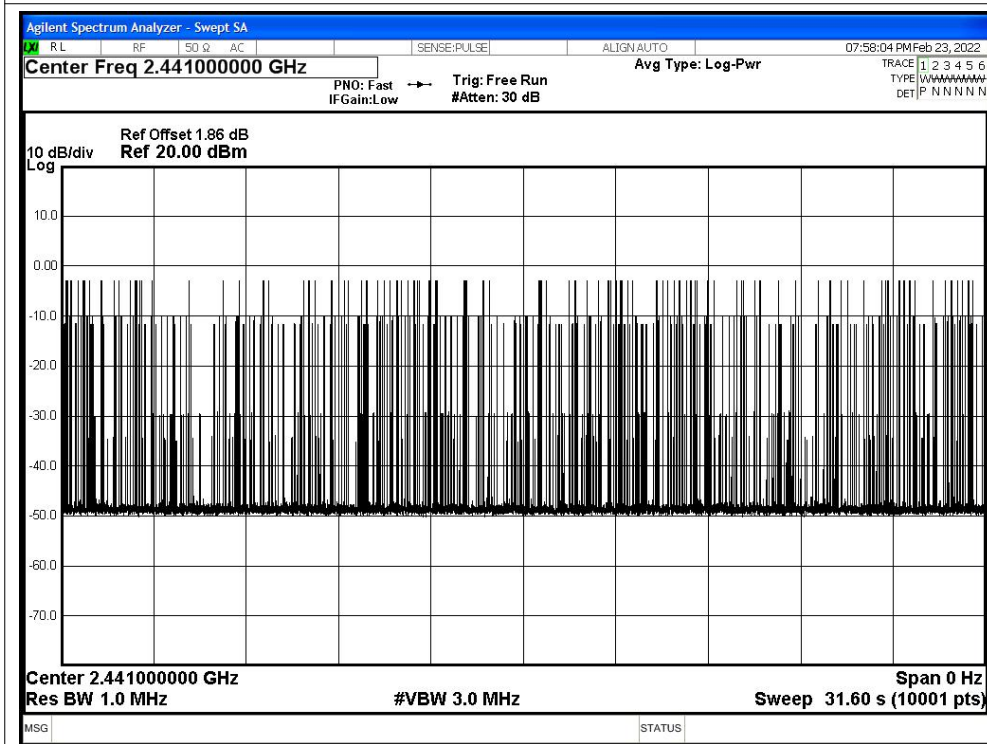




Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

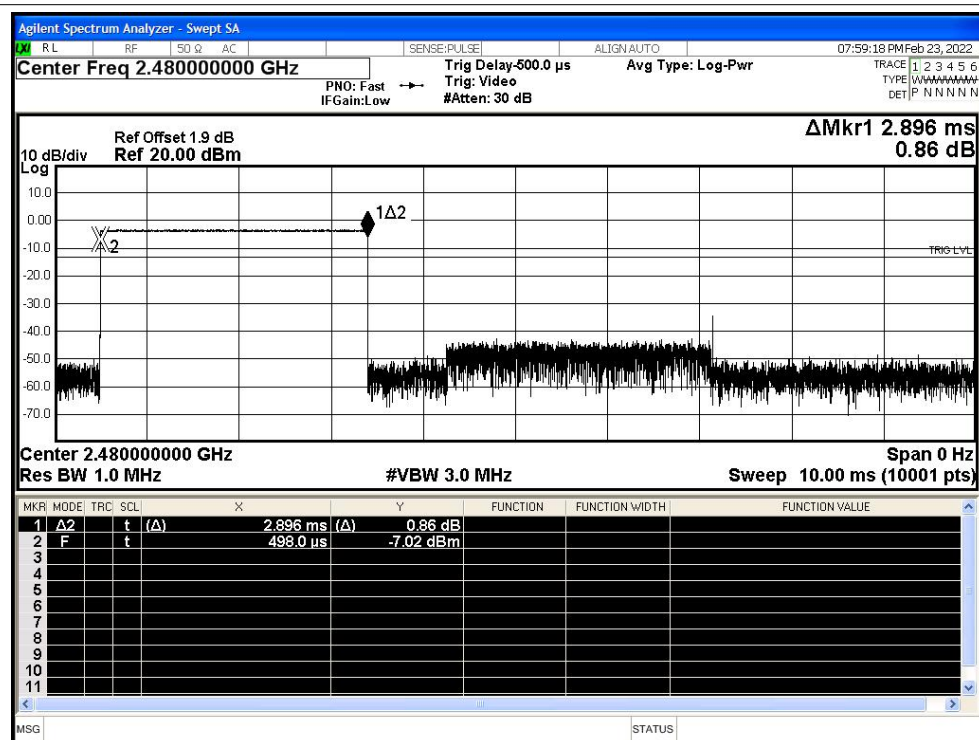


Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

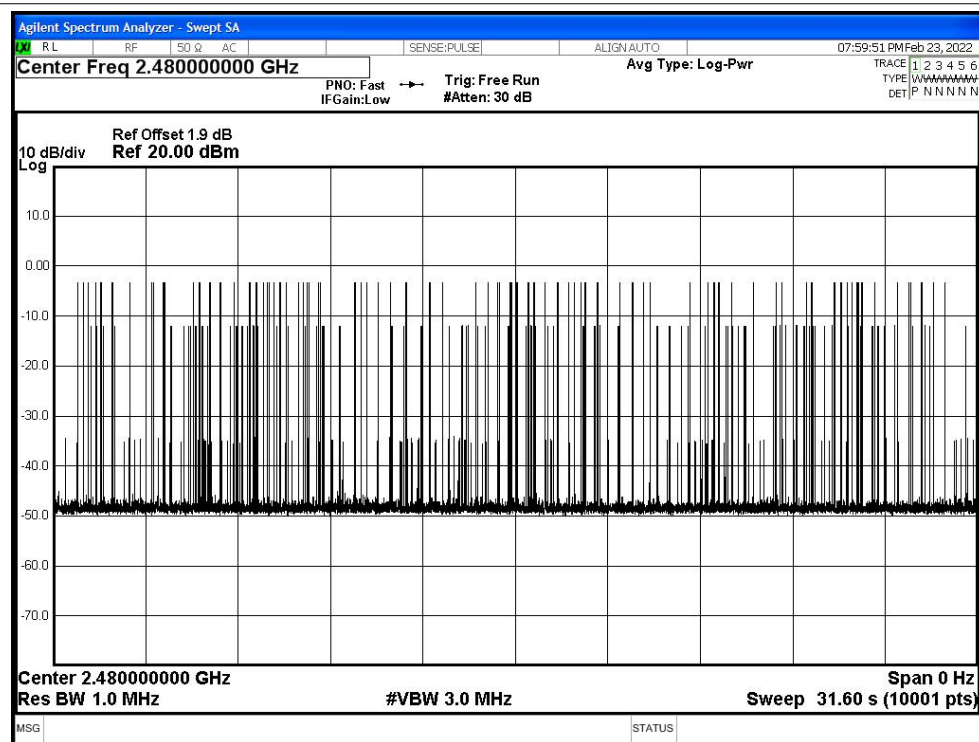




Dwell NVNT 1-DH5 2480MHz Ant1 One Burst

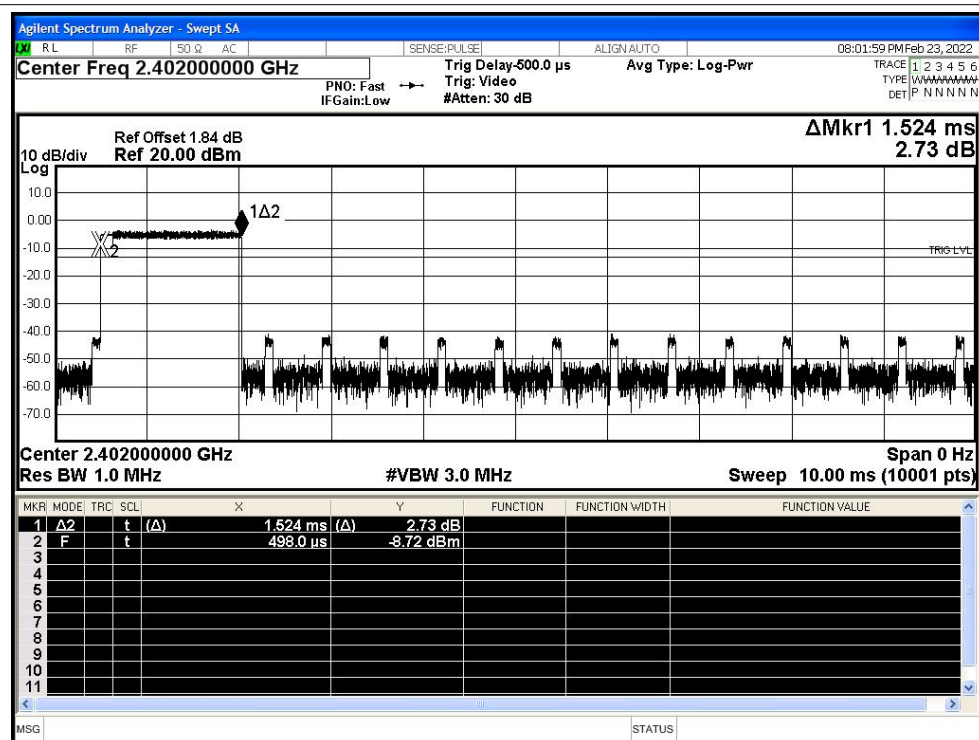


Dwell NVNT 1-DH5 2480MHz Ant1 Accumulated

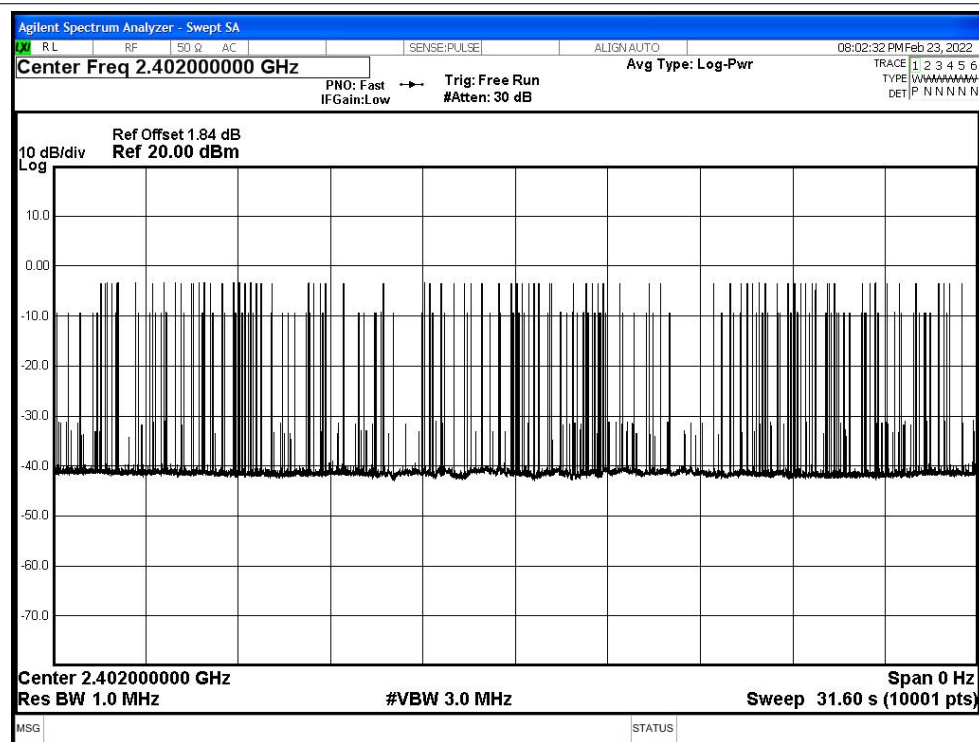




Dwell NVNT 2-DH5 2402MHz Ant1 One Burst

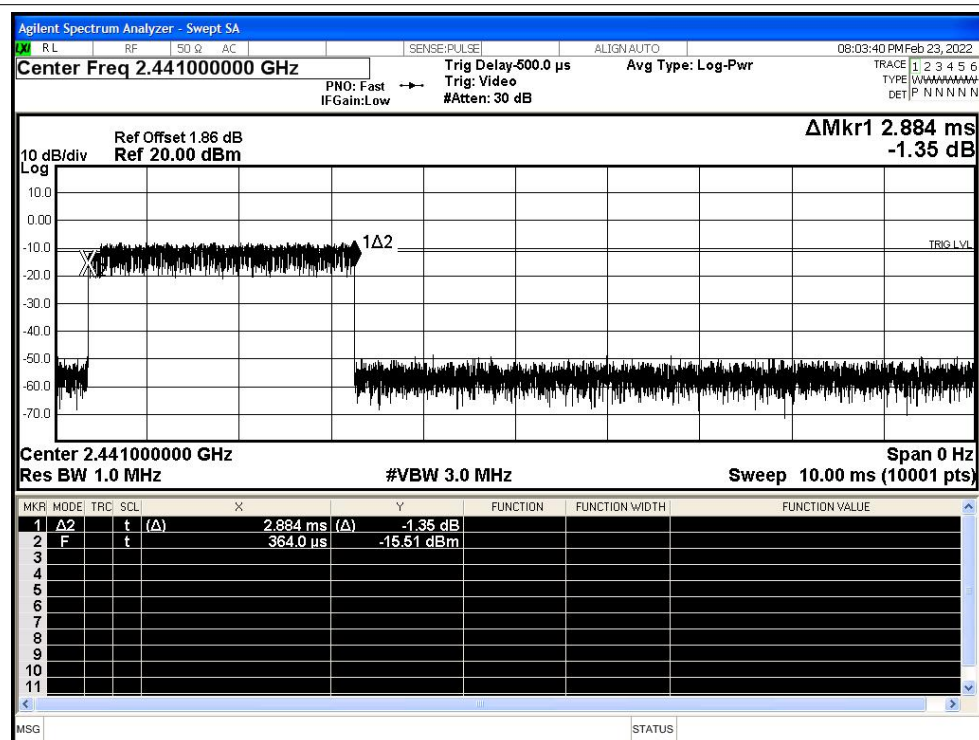


Dwell NVNT 2-DH5 2402MHz Ant1 Accumulated

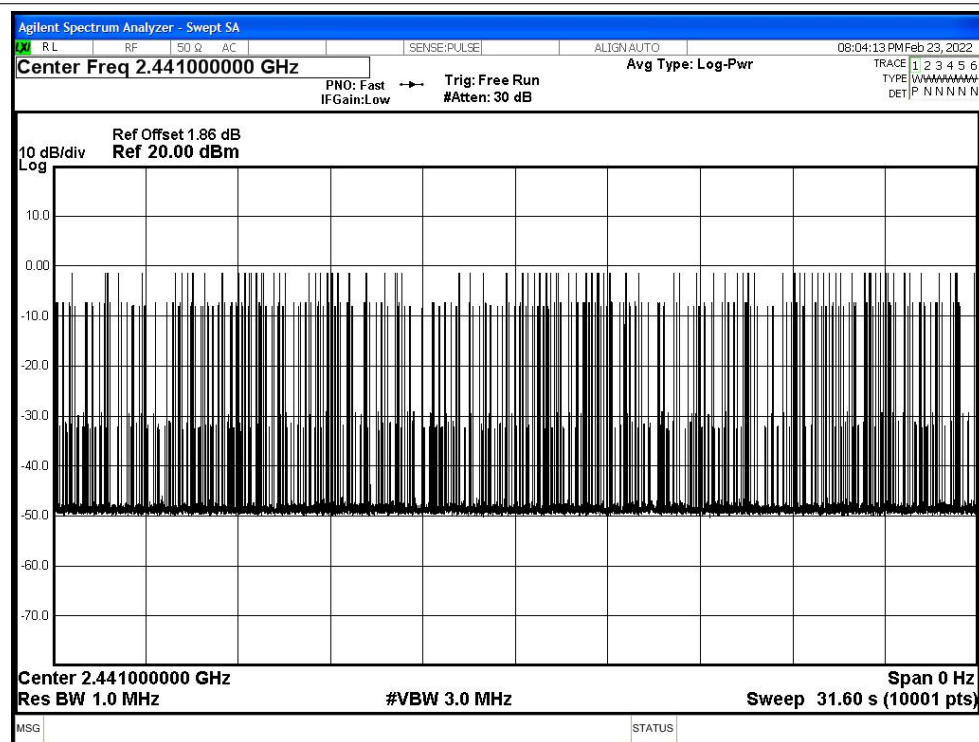




Dwell NVNT 2-DH5 2441MHz Ant1 One Burst

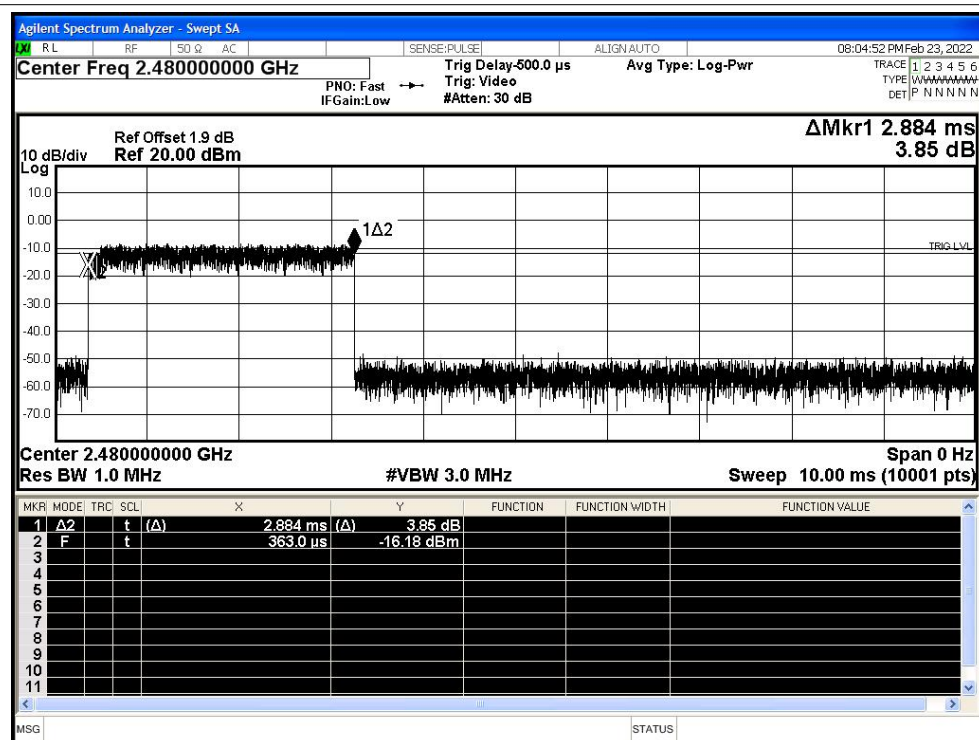


Dwell NVNT 2-DH5 2441MHz Ant1 Accumulated

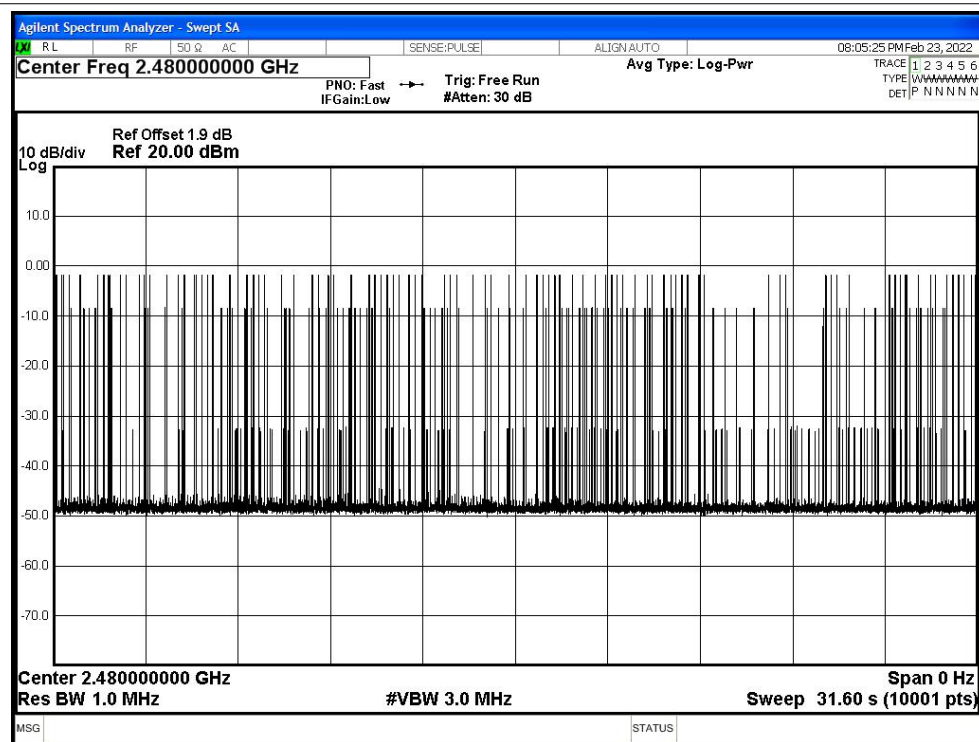




Dwell NVNT 2-DH5 2480MHz Ant1 One Burst



Dwell NVNT 2-DH5 2480MHz Ant1 Accumulated





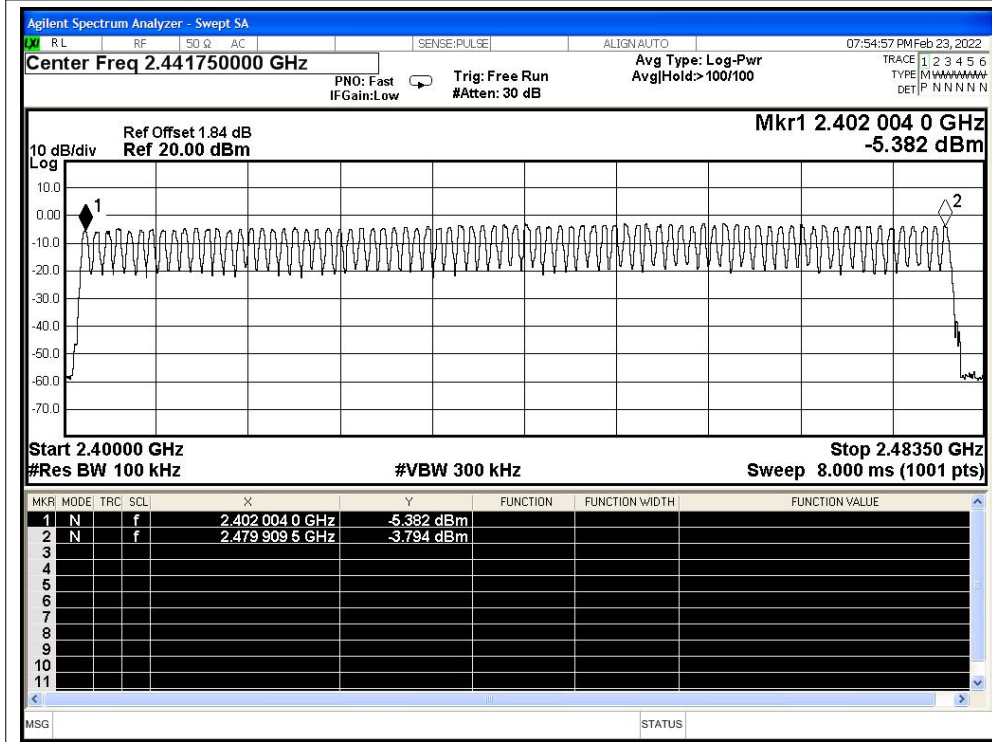
A.5 Number of Hopping Channel

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

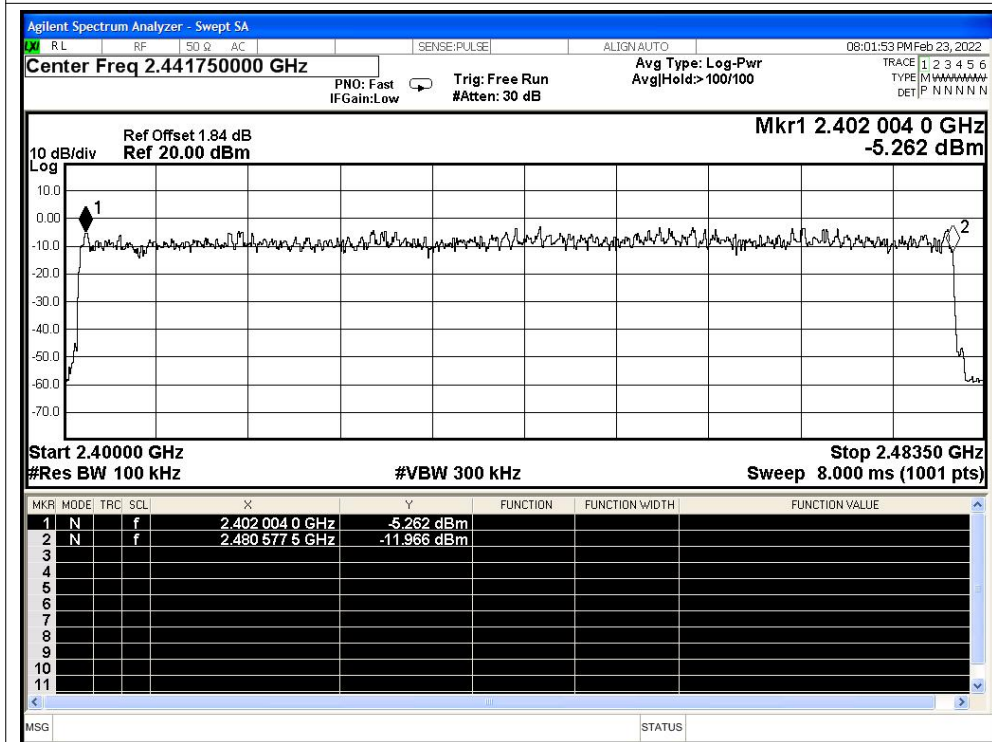


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1



Hopping No. NVNT 2-DH5 2402MHz Ant1





A.6 Band Edge

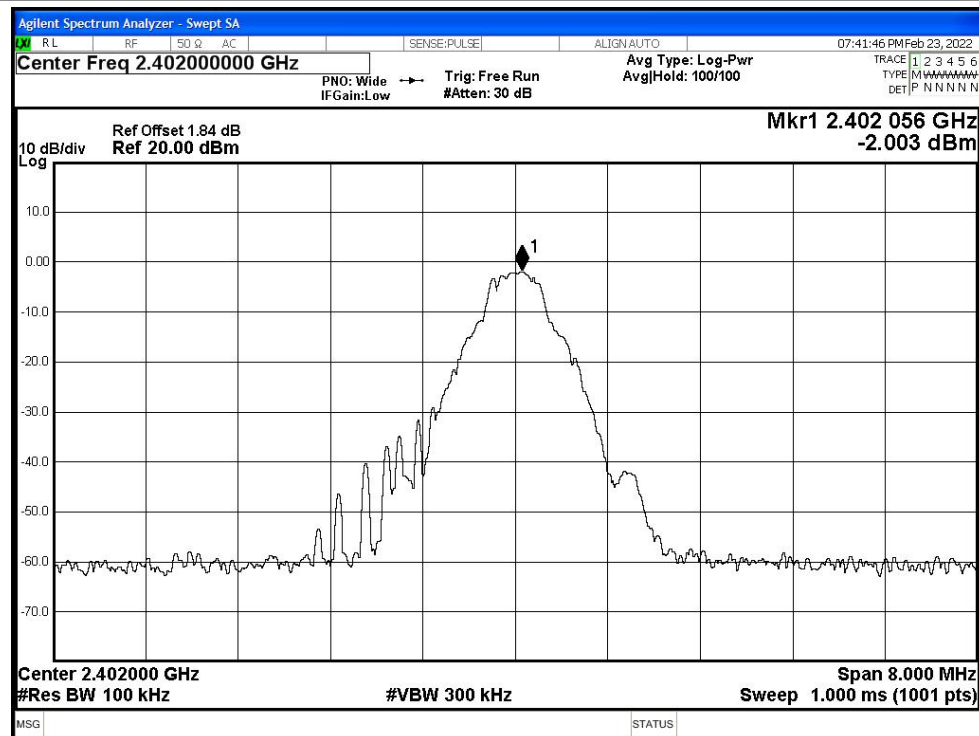
(No-Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max. Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.61	≤ -20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-56.34	≤ -20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.03	≤ -20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.38	≤ -20	Pass

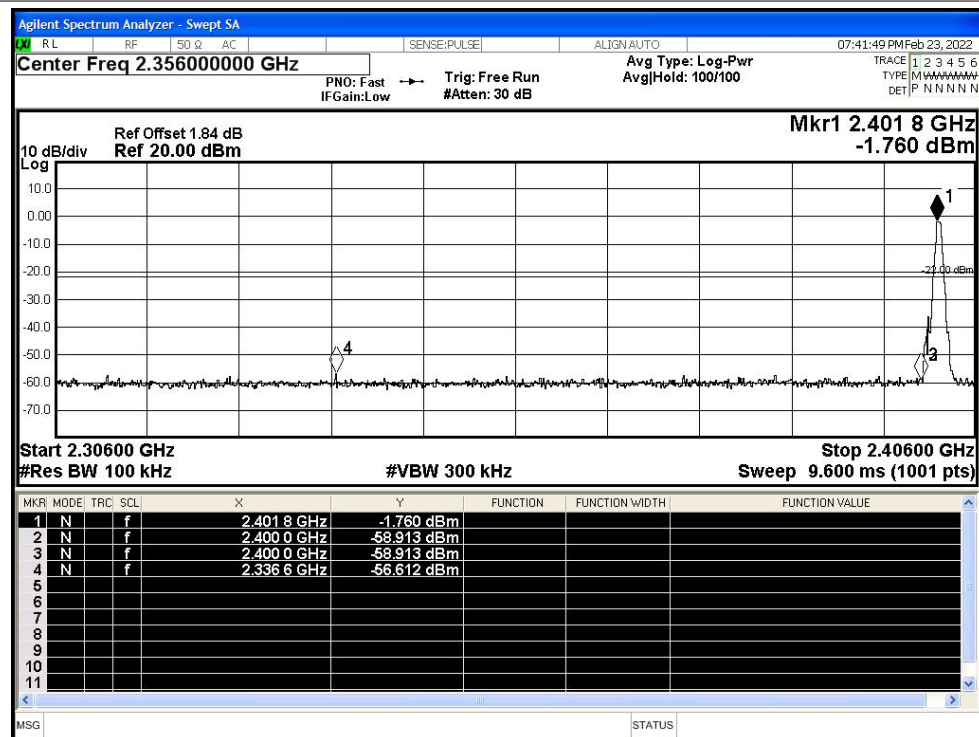


Test Graphs

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

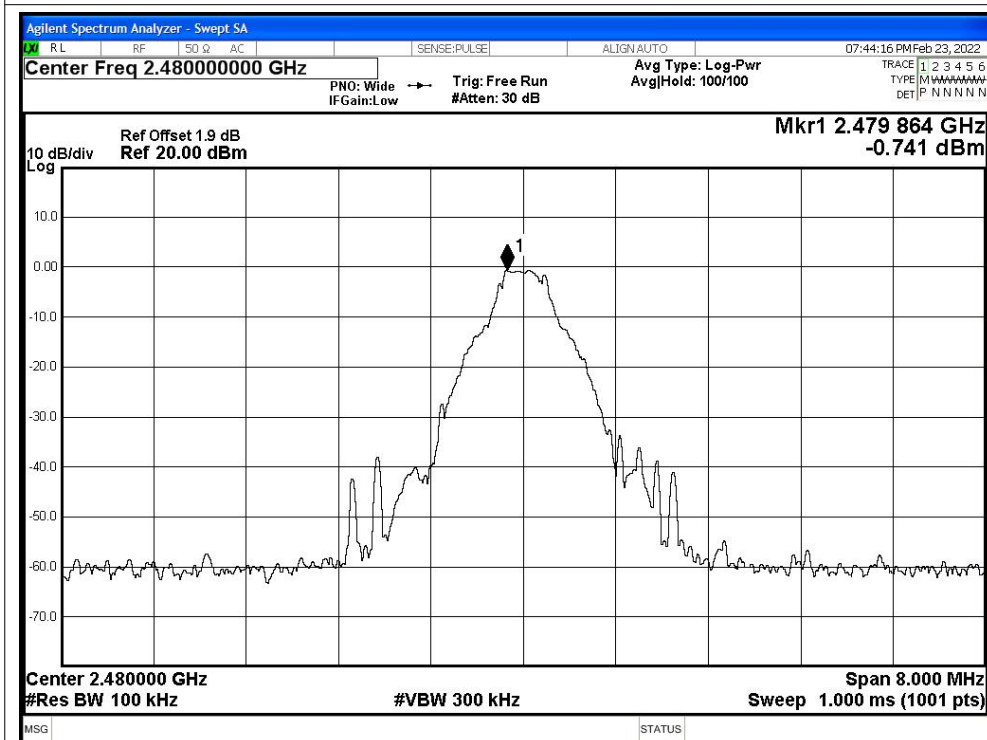


Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission





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



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

