

Appendix A

RF Test Data for BT (Conducted Measurement)

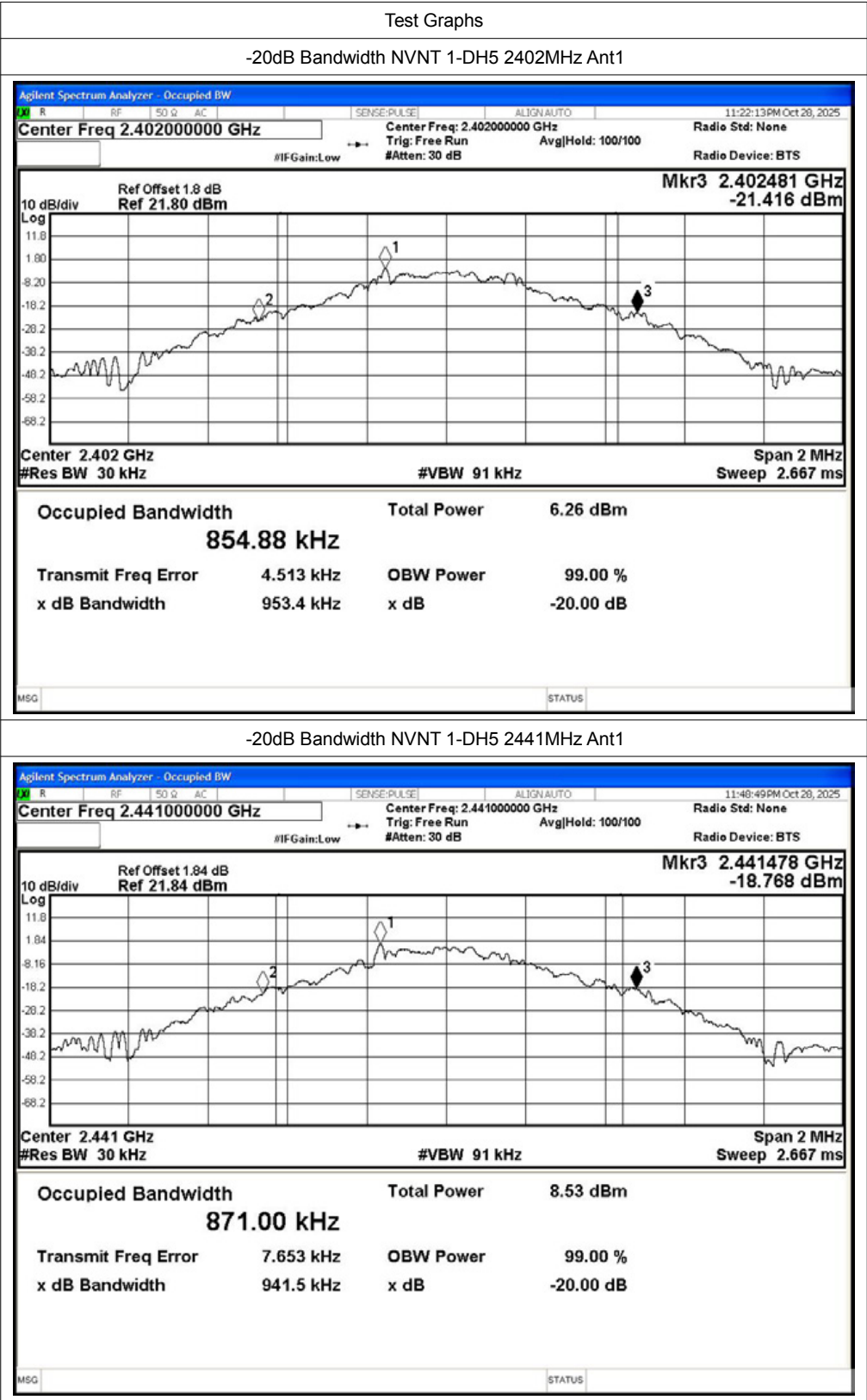
Product Name: Translator Earbuds

Test Model: M6

Environmental Conditions	
Temperature:	24.1°C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Yan Chen
Supervised by:	Fengliu Tang

A.1 -20dB Bandwidth

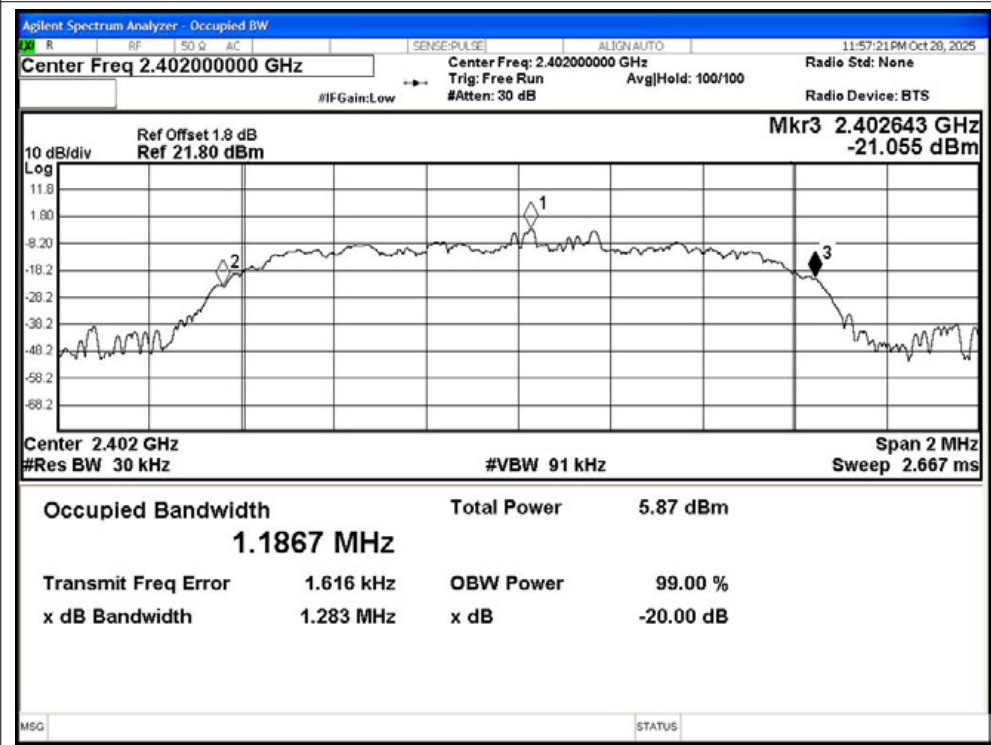
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.953	N/A	Pass
NVNT	1-DH5	2441	Ant1	0.941	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.972	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.283	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.321	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.305	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.295	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.303	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.312	N/A	Pass



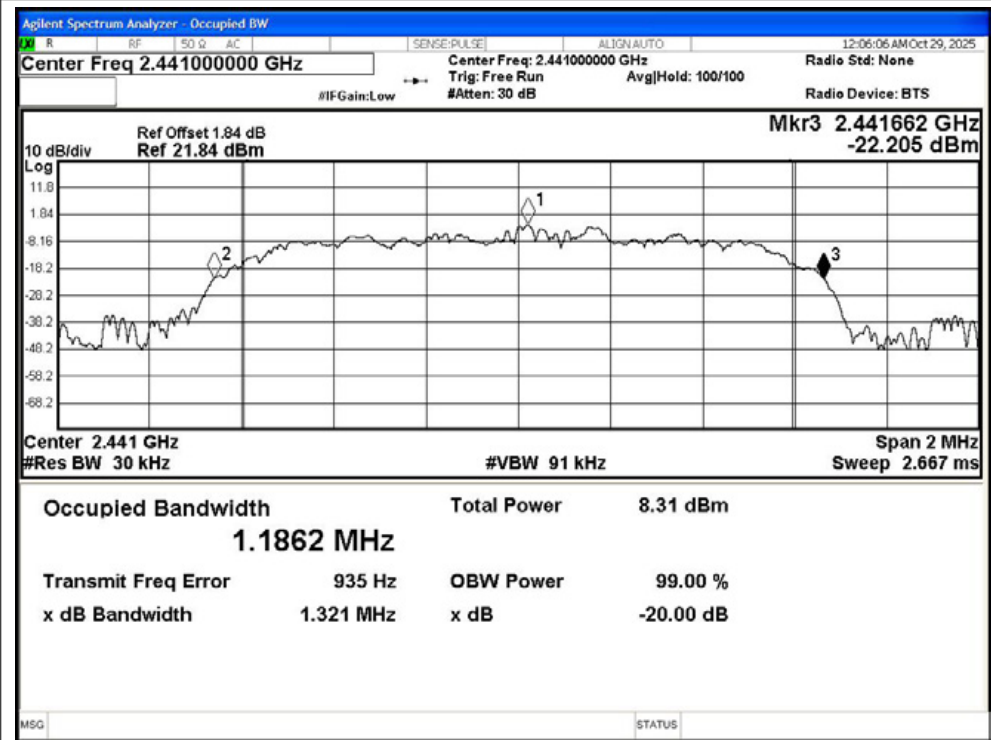
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



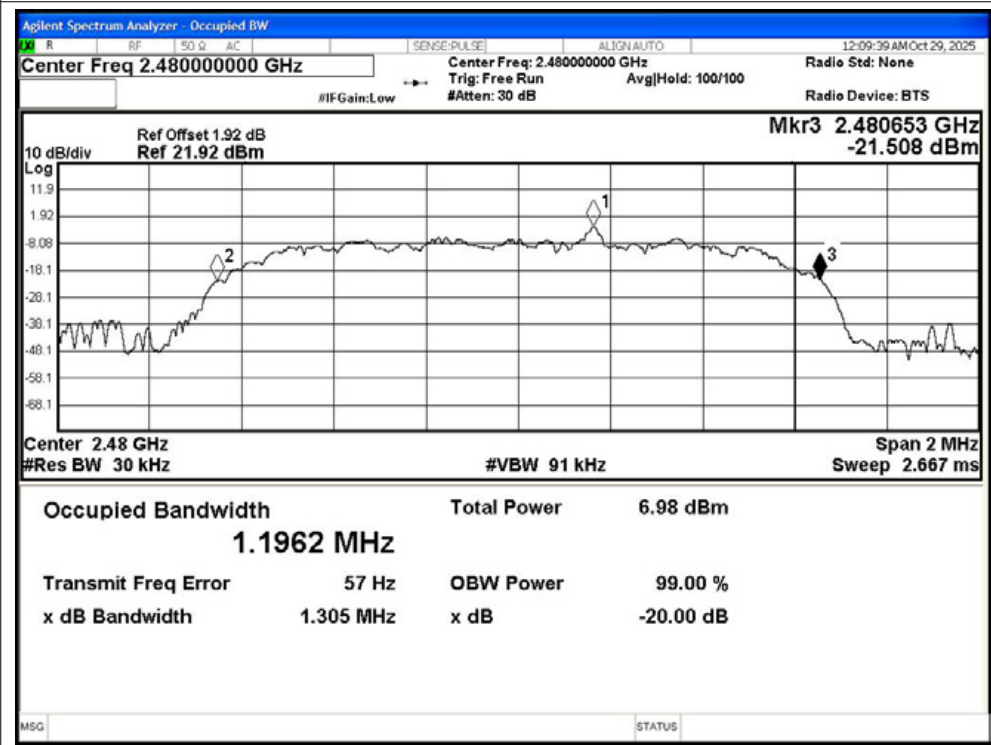
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1

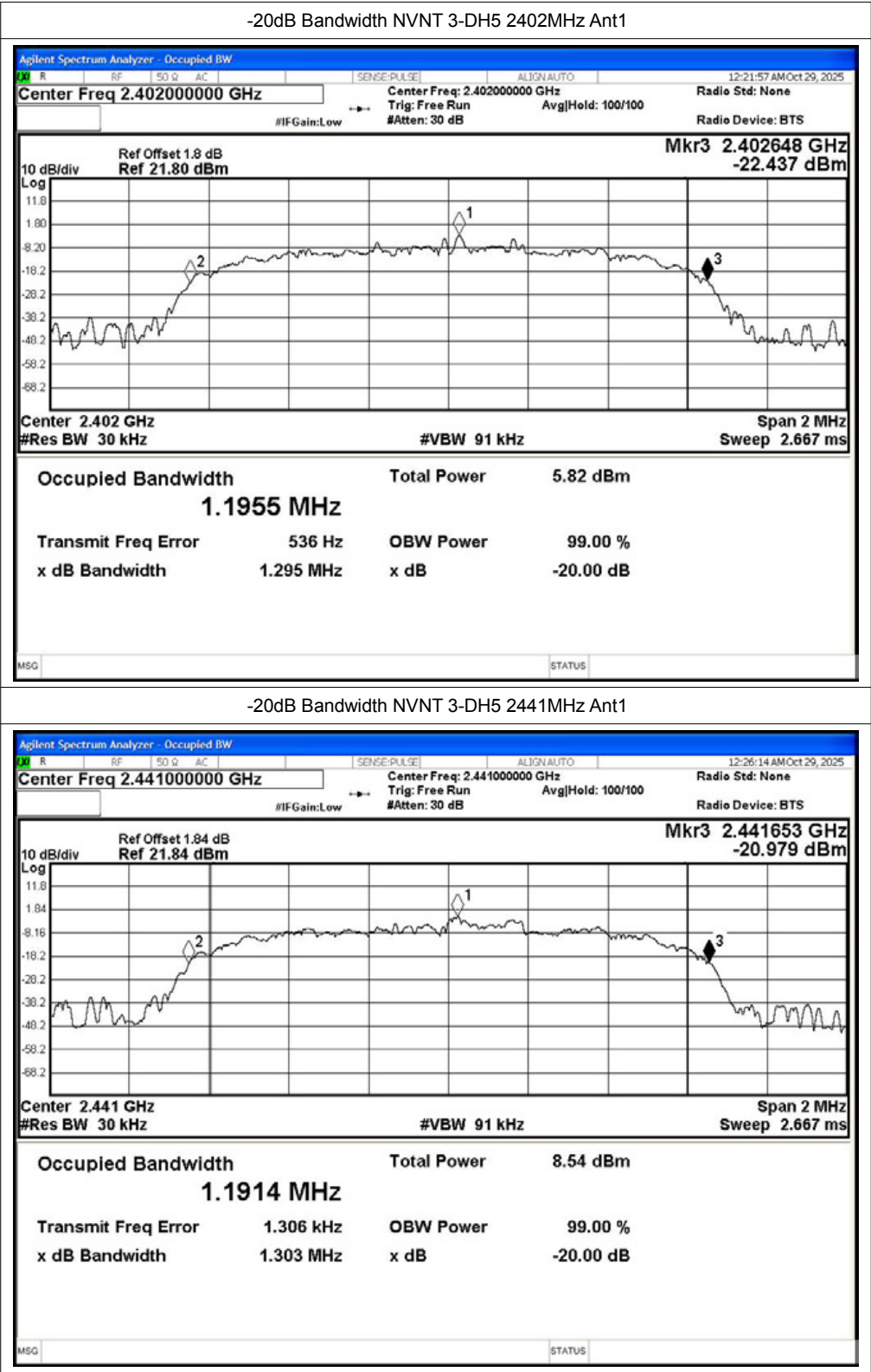


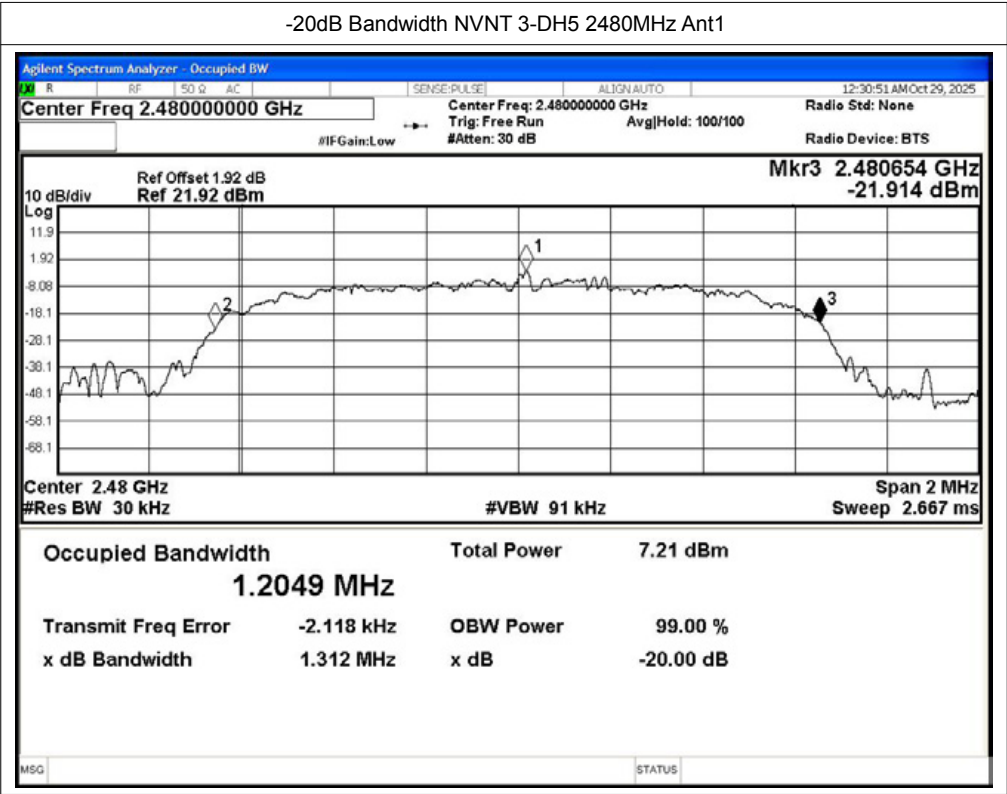
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

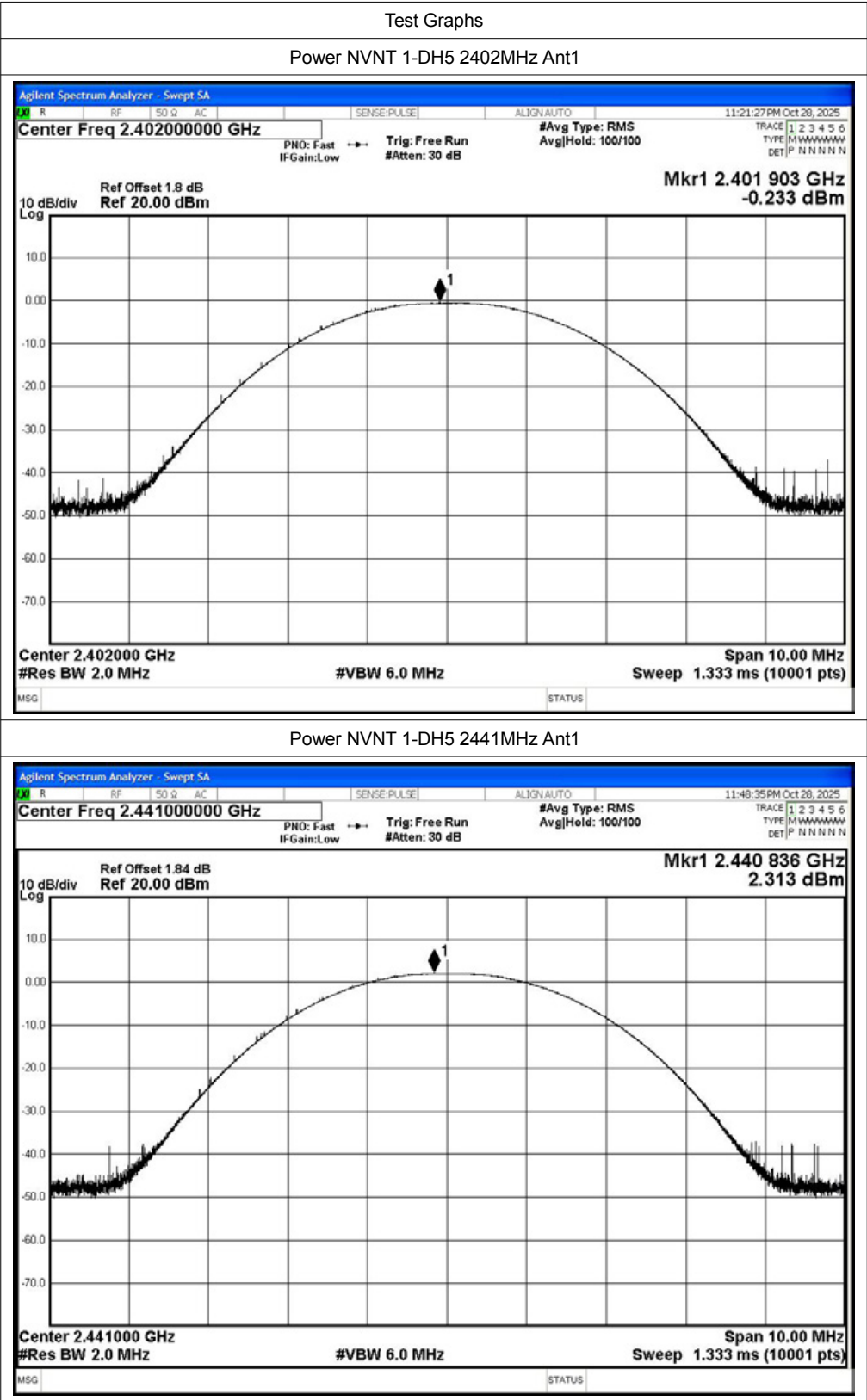




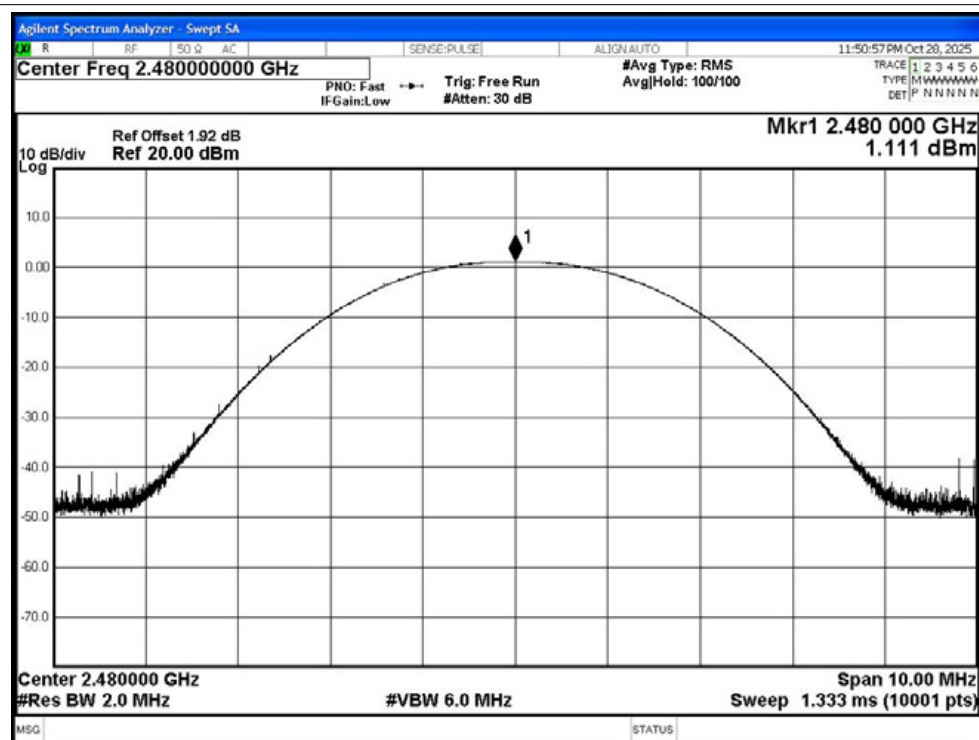


A.2 Maximum Peak Conducted Output Power

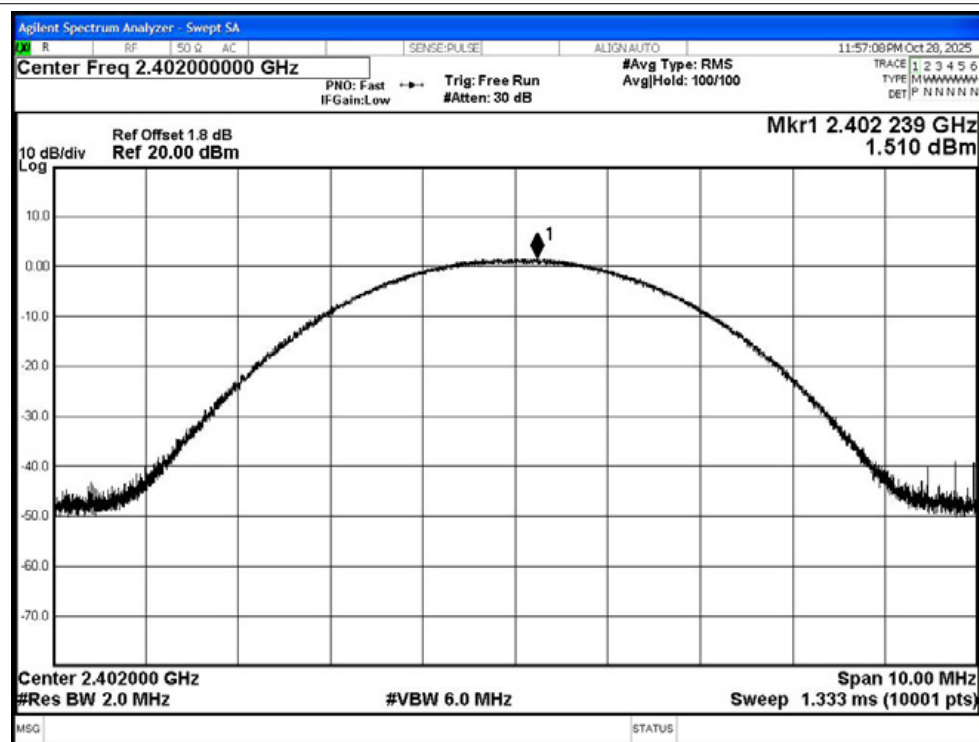
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-0.23	21	Pass
NVNT	1-DH5	2441	Ant1	2.31	21	Pass
NVNT	1-DH5	2480	Ant1	1.11	21	Pass
NVNT	2-DH5	2402	Ant1	1.51	21	Pass
NVNT	2-DH5	2441	Ant1	4.01	21	Pass
NVNT	2-DH5	2480	Ant1	2.93	21	Pass
NVNT	3-DH5	2402	Ant1	1.95	21	Pass
NVNT	3-DH5	2441	Ant1	4.34	21	Pass
NVNT	3-DH5	2480	Ant1	3.25	21	Pass



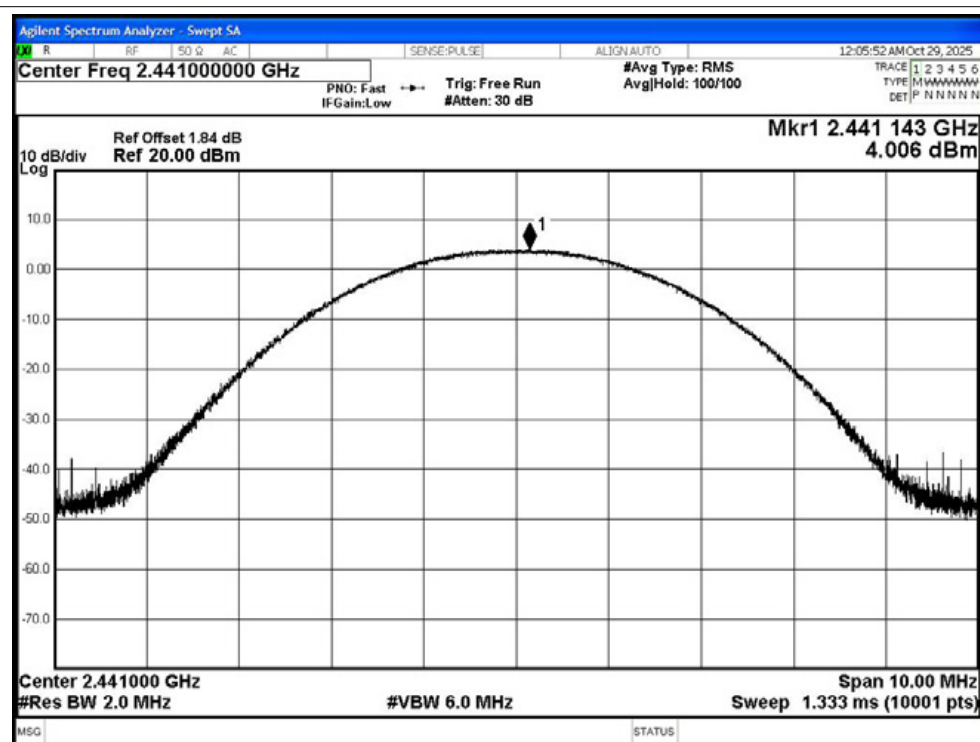
Power NVNT 1-DH5 2480MHz Ant1



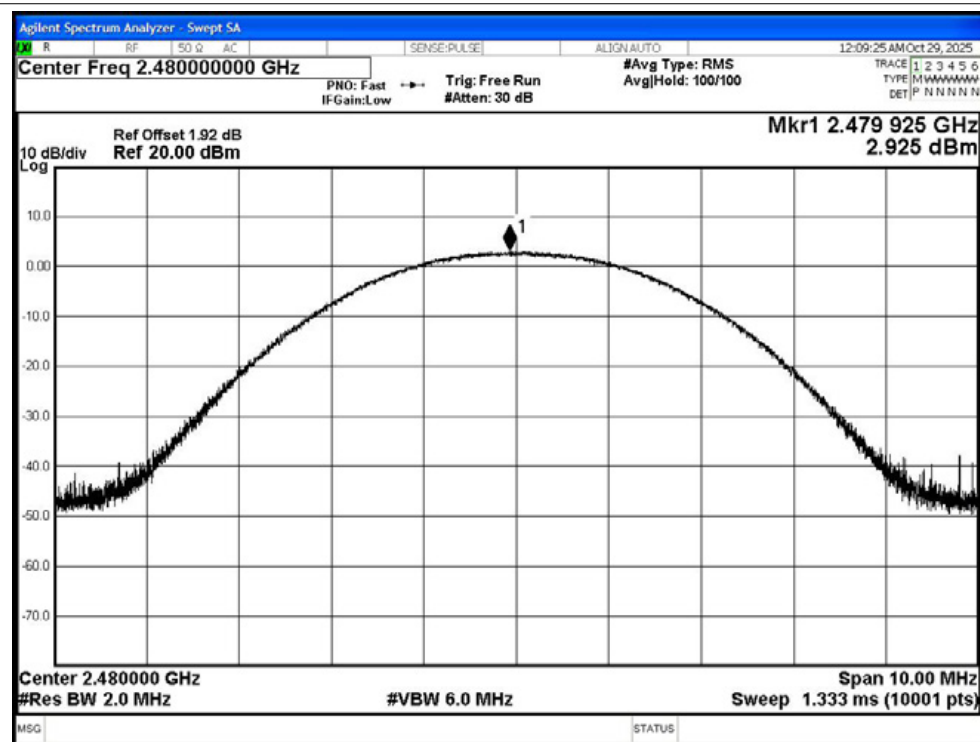
Power NVNT 2-DH5 2402MHz Ant1



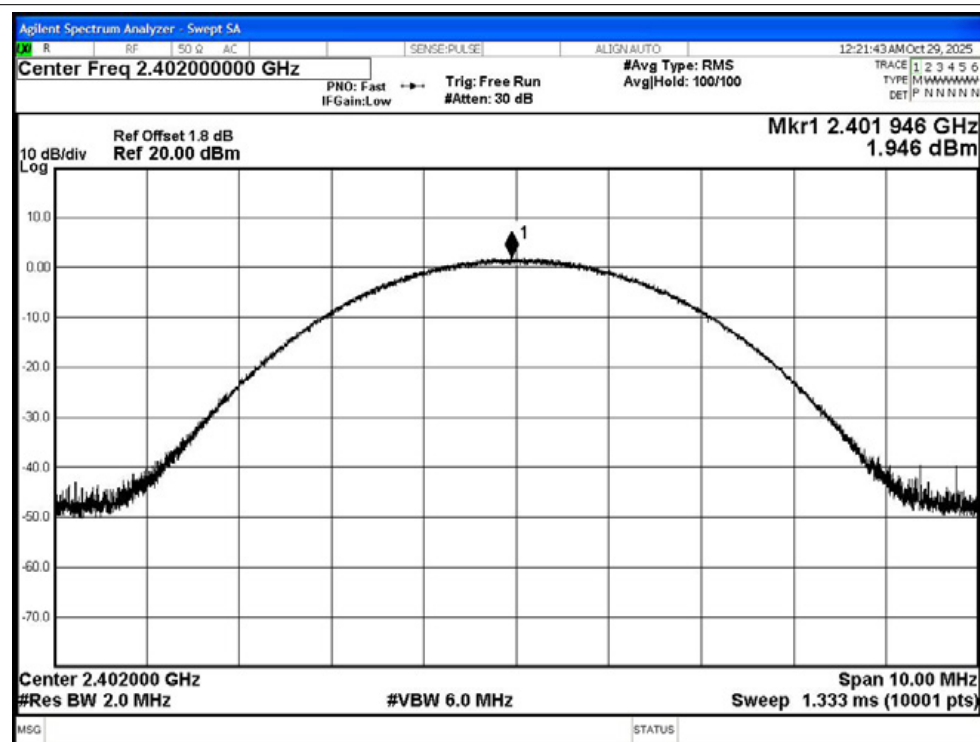
Power NVNT 2-DH5 2441MHz Ant1



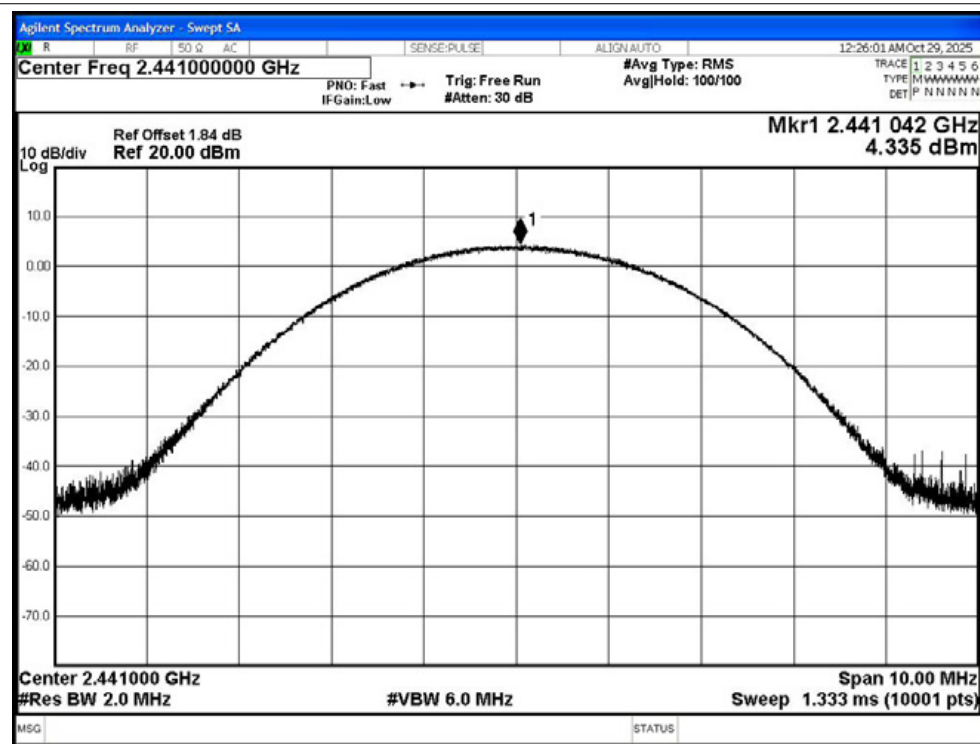
Power NVNT 2-DH5 2480MHz Ant1

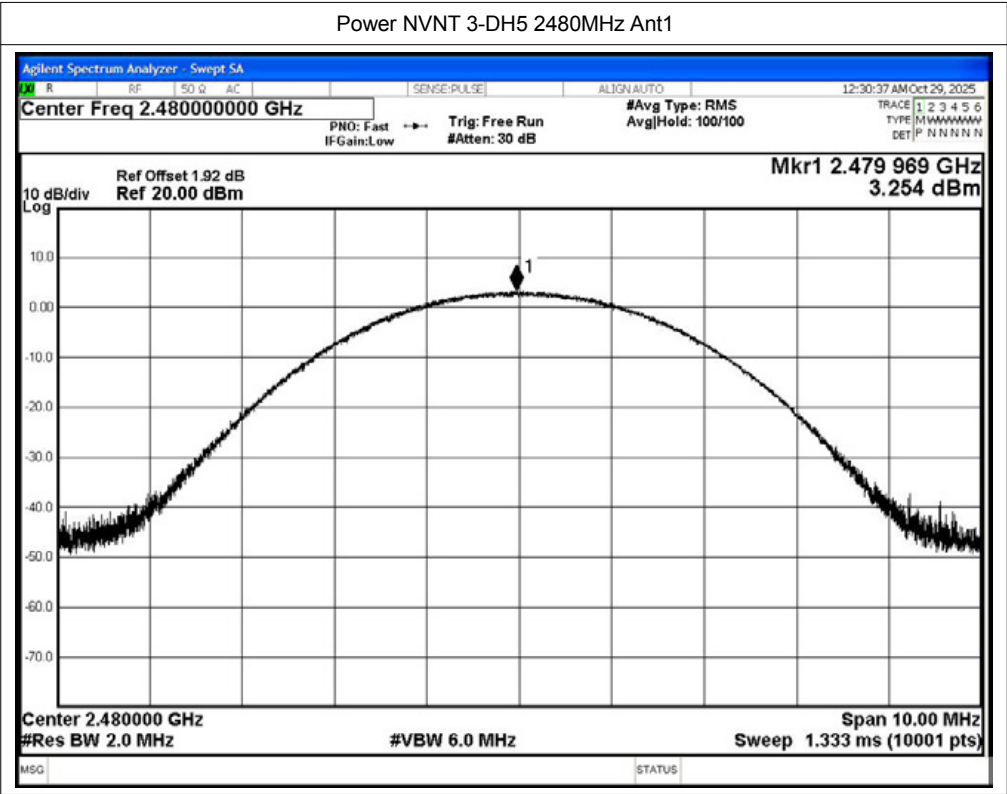


Power NVNT 3-DH5 2402MHz Ant1



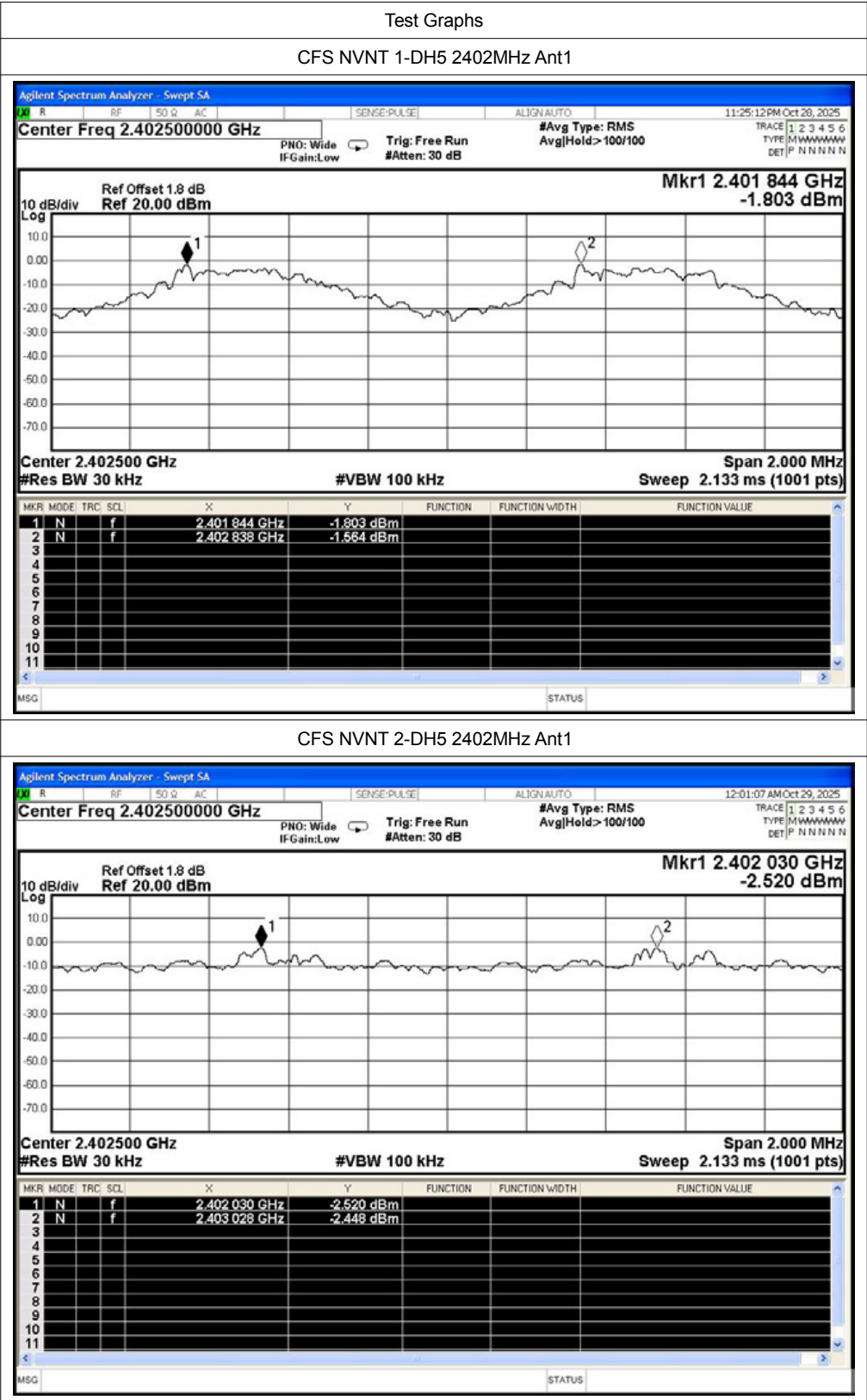
Power NVNT 3-DH5 2441MHz Ant1

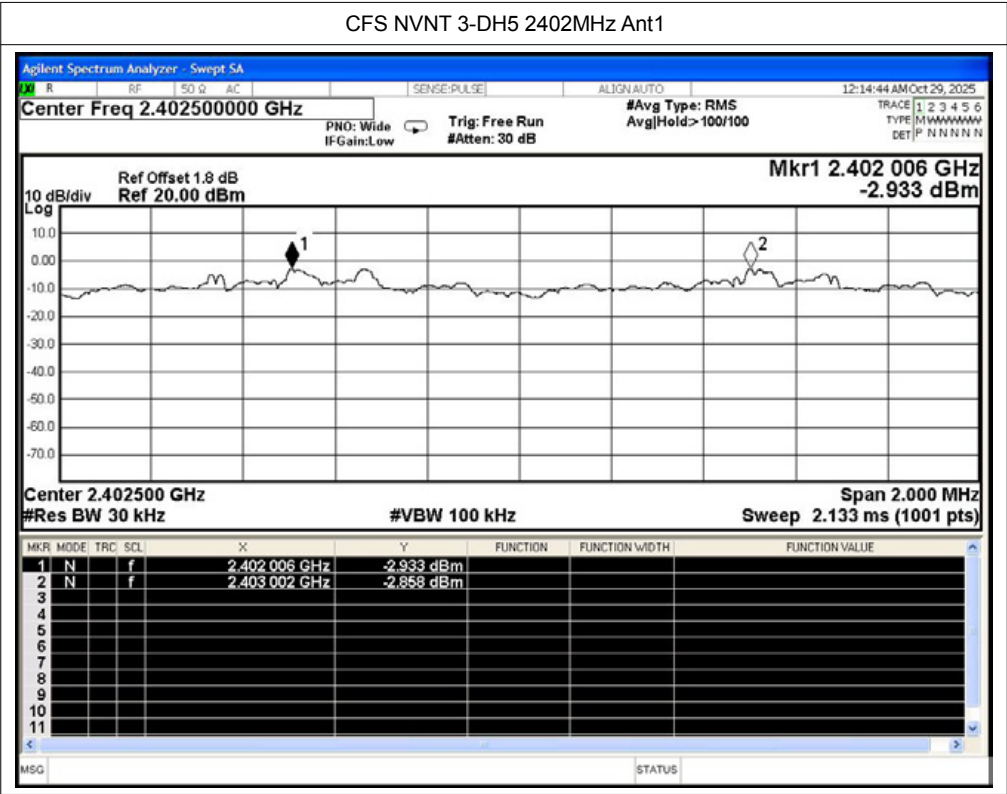




A.3 Carrier Frequencies Separation

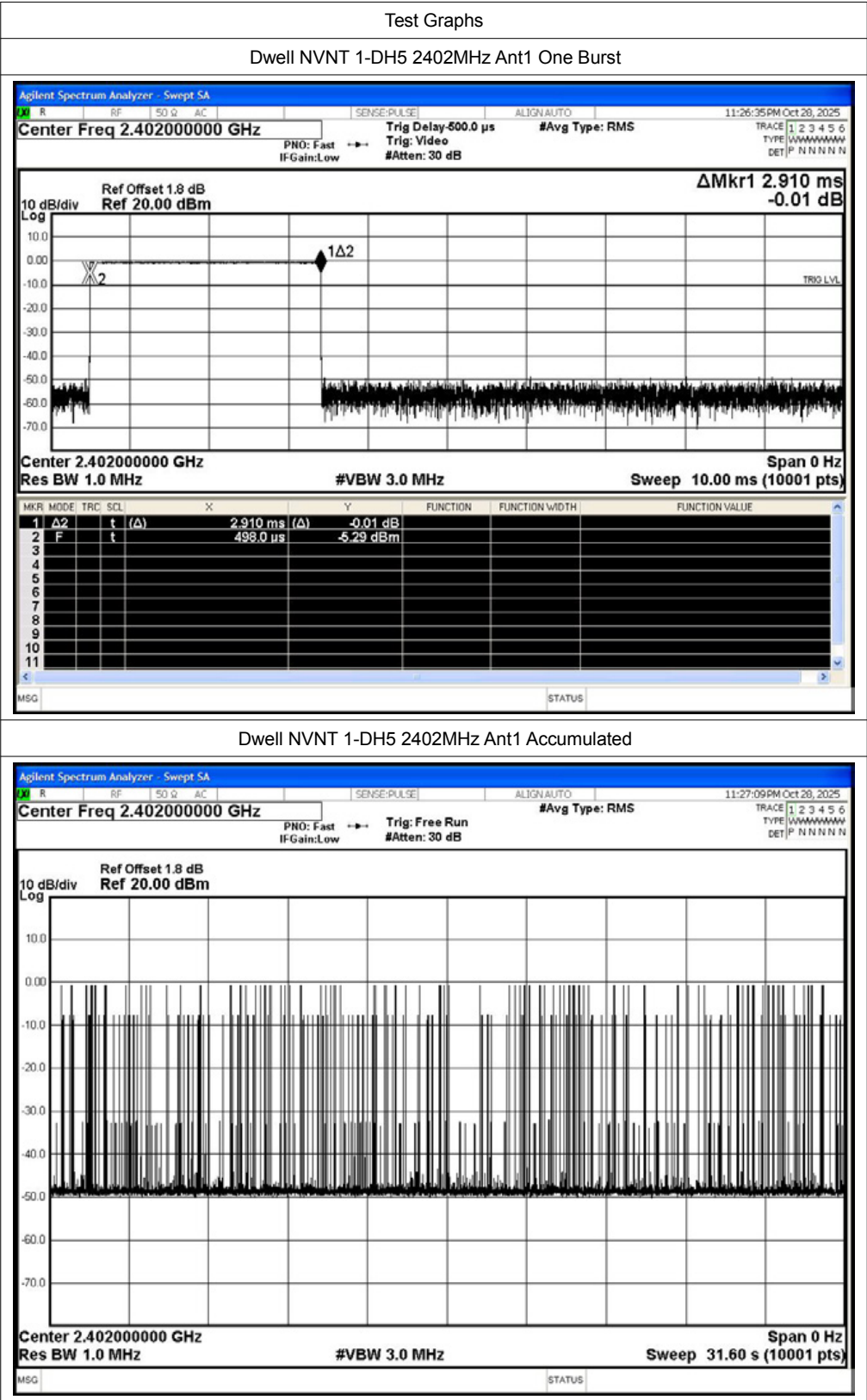
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.844	2402.838	0.994	0.648	Pass
NVNT	2-DH5	Ant1	2402.03	2403.028	0.998	0.881	Pass
NVNT	3-DH5	Ant1	2402.006	2403.002	0.996	0.875	Pass

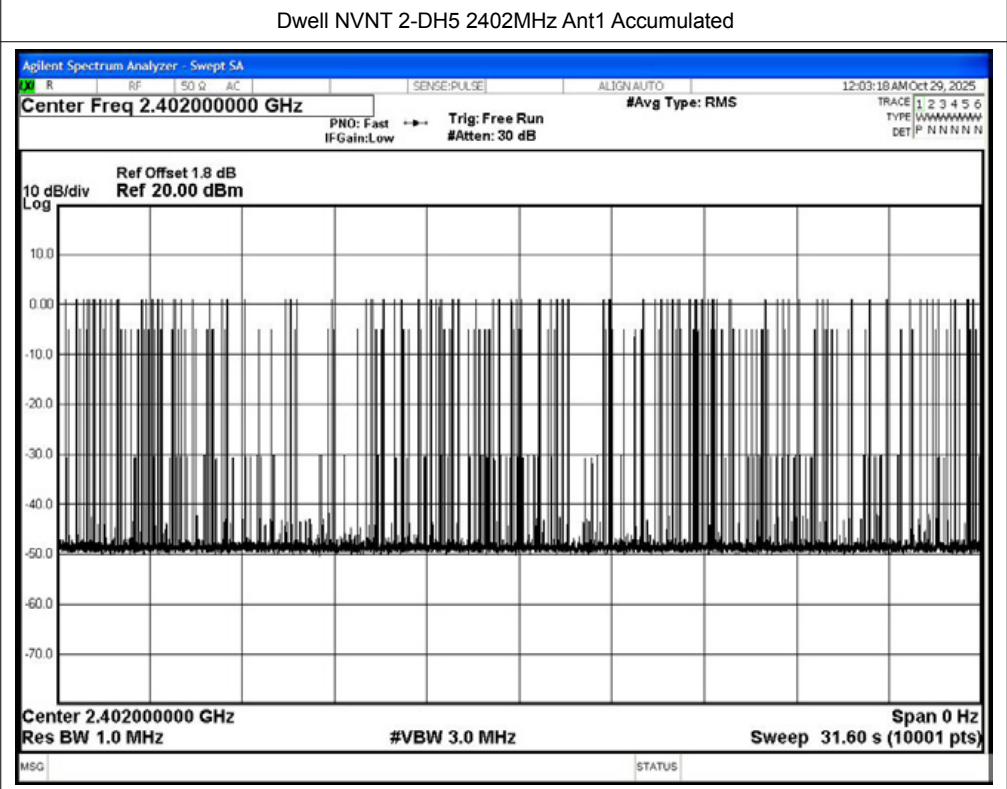
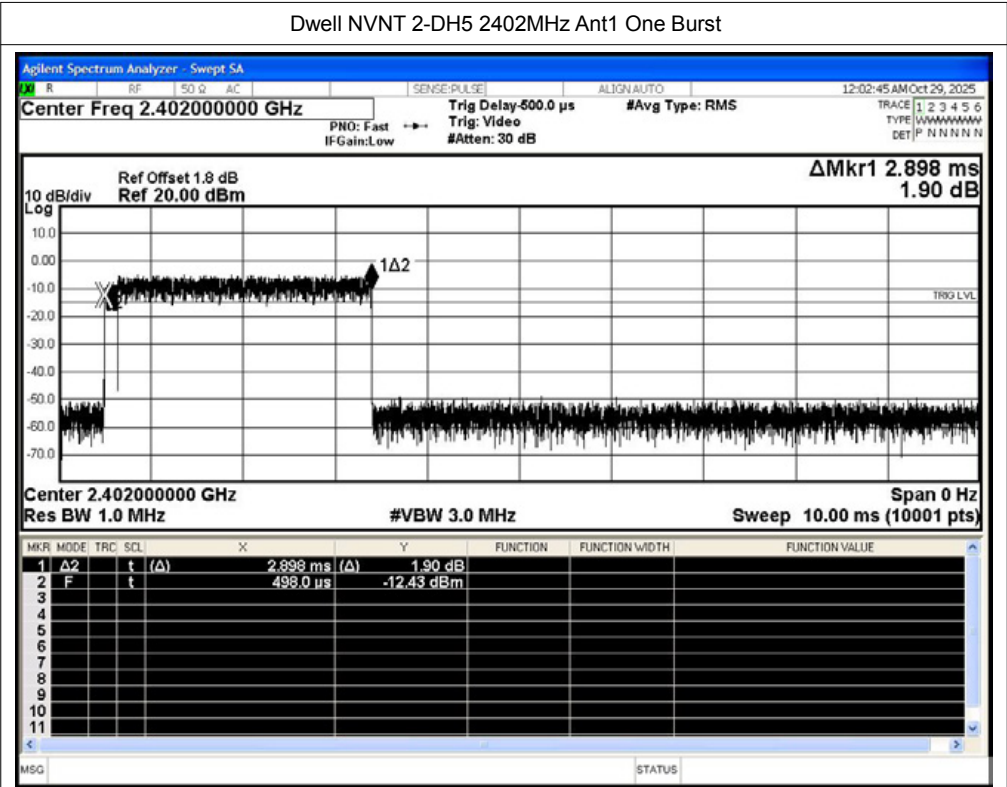




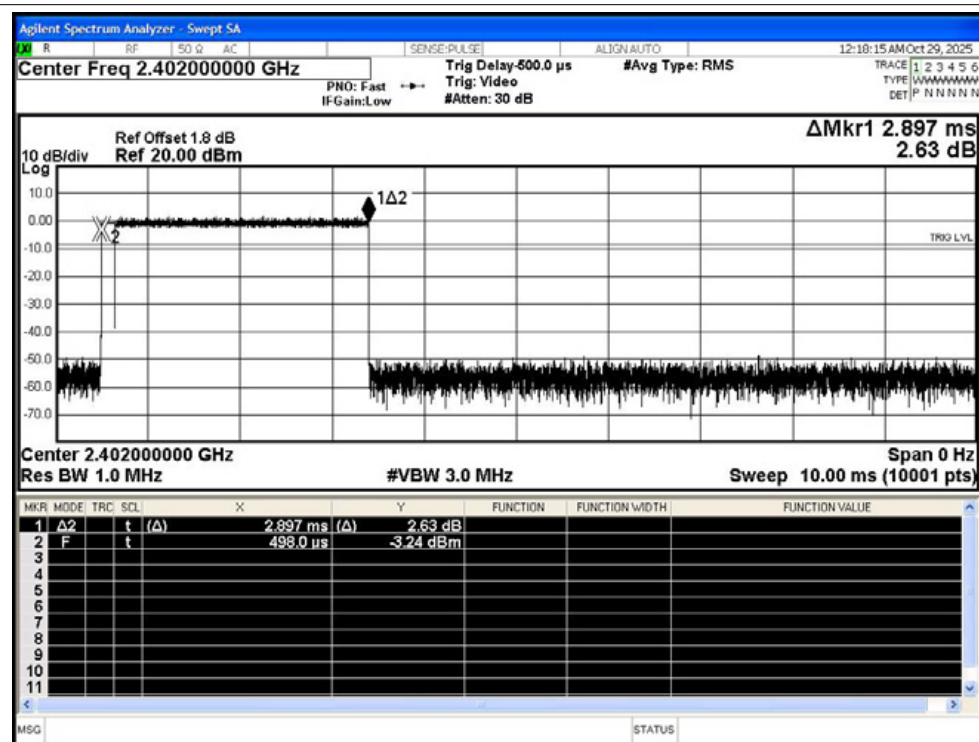
A.4 Dwell Time

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	2.91	291	100	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	324.576	112	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	292.597	101	31600	400	Pass

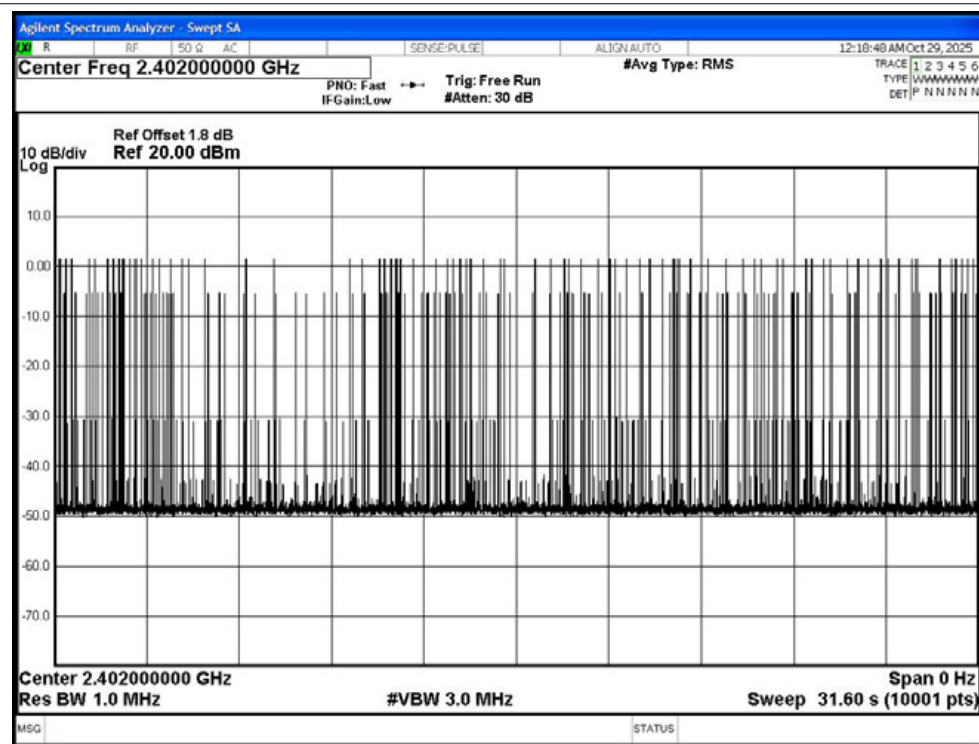




Dwell NVNT 3-DH5 2402MHz Ant1 One Burst

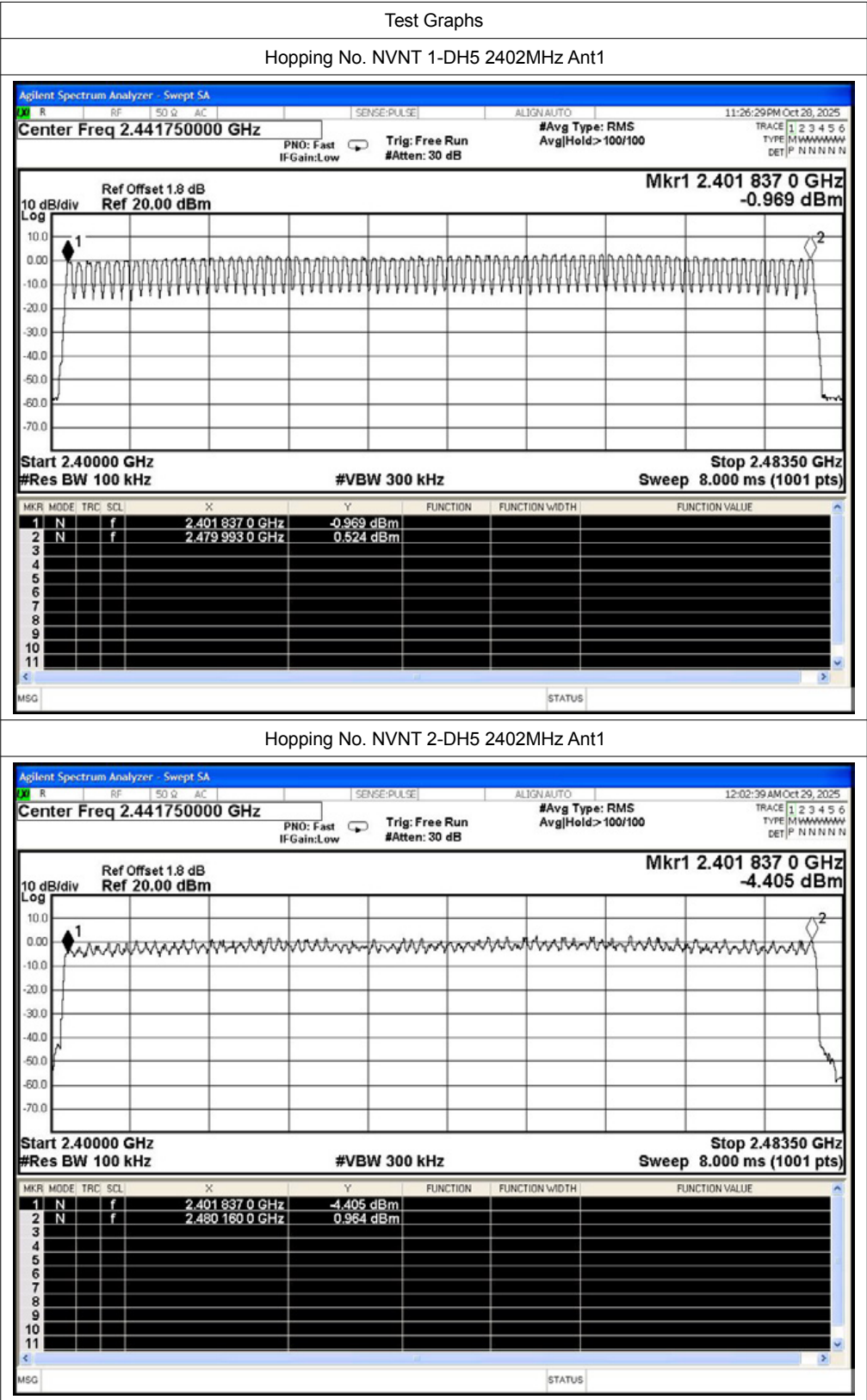


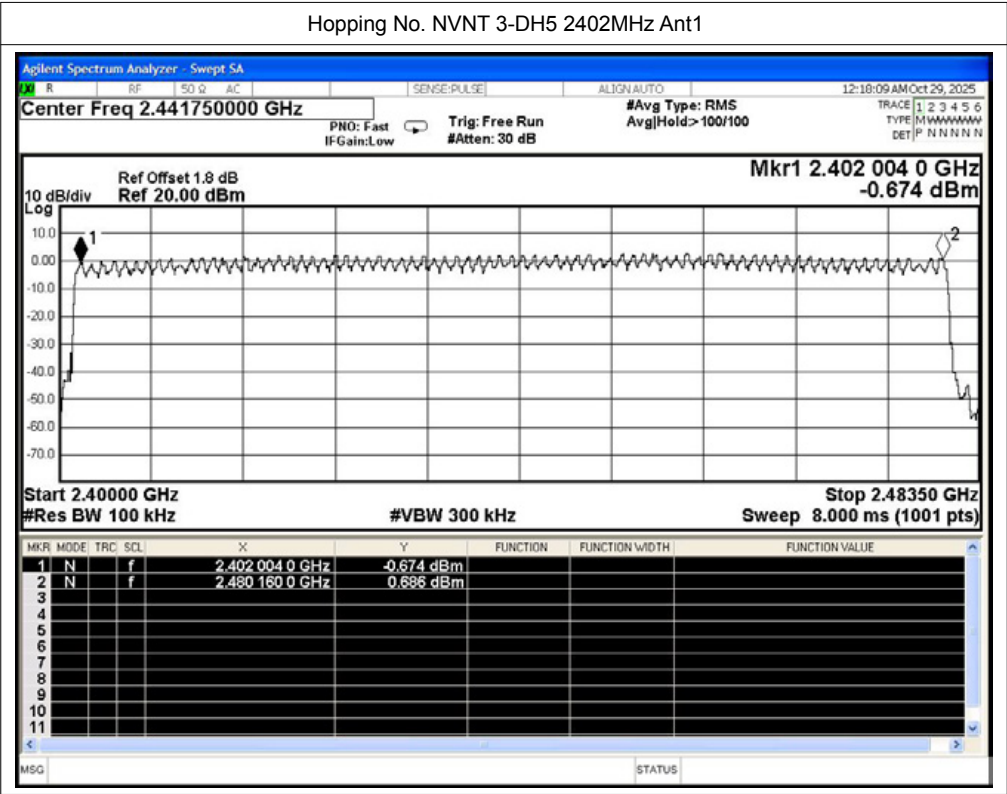
Dwell NVNT 3-DH5 2402MHz Ant1 Accumulated



A.5 Number of Hopping Channel

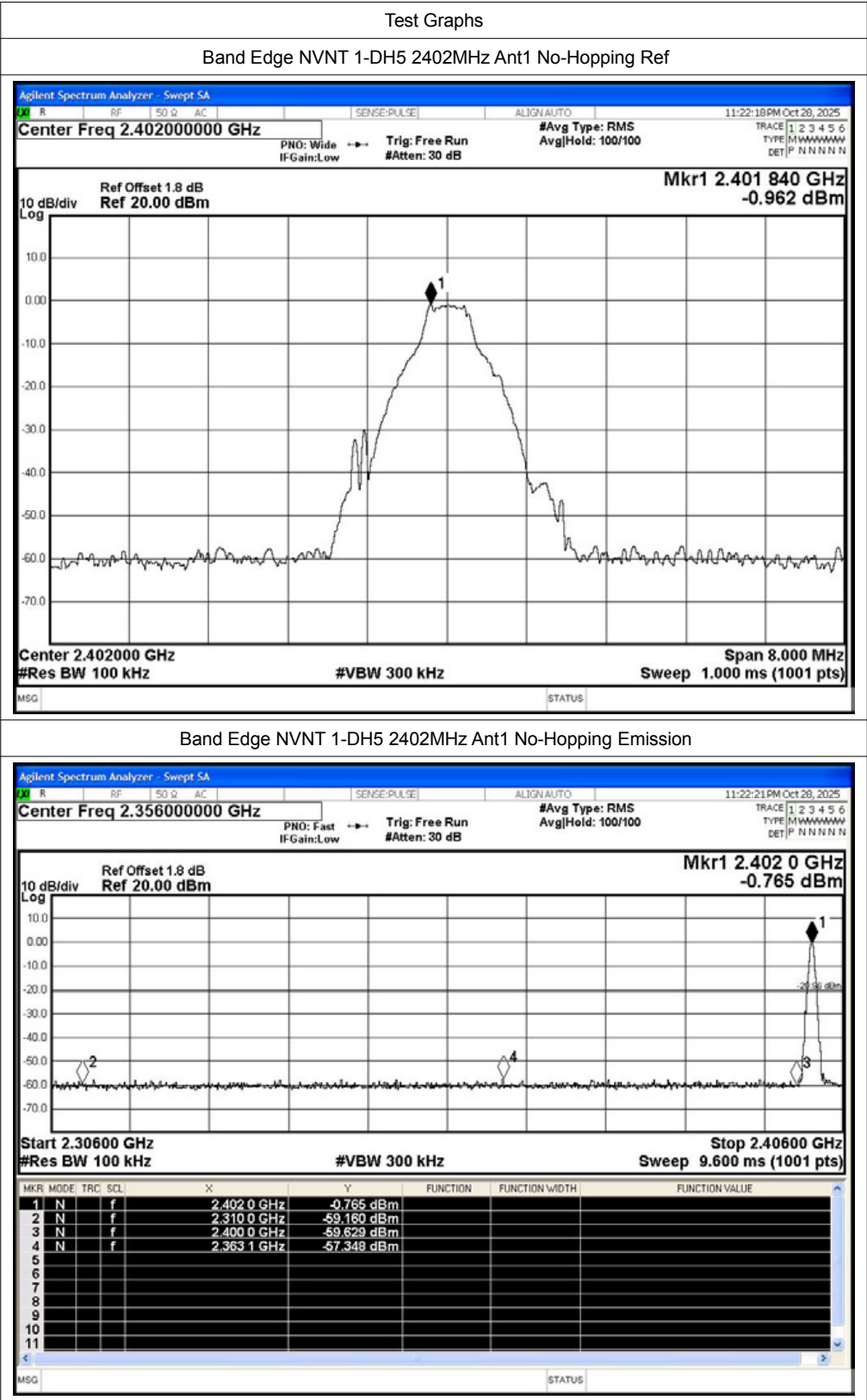
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

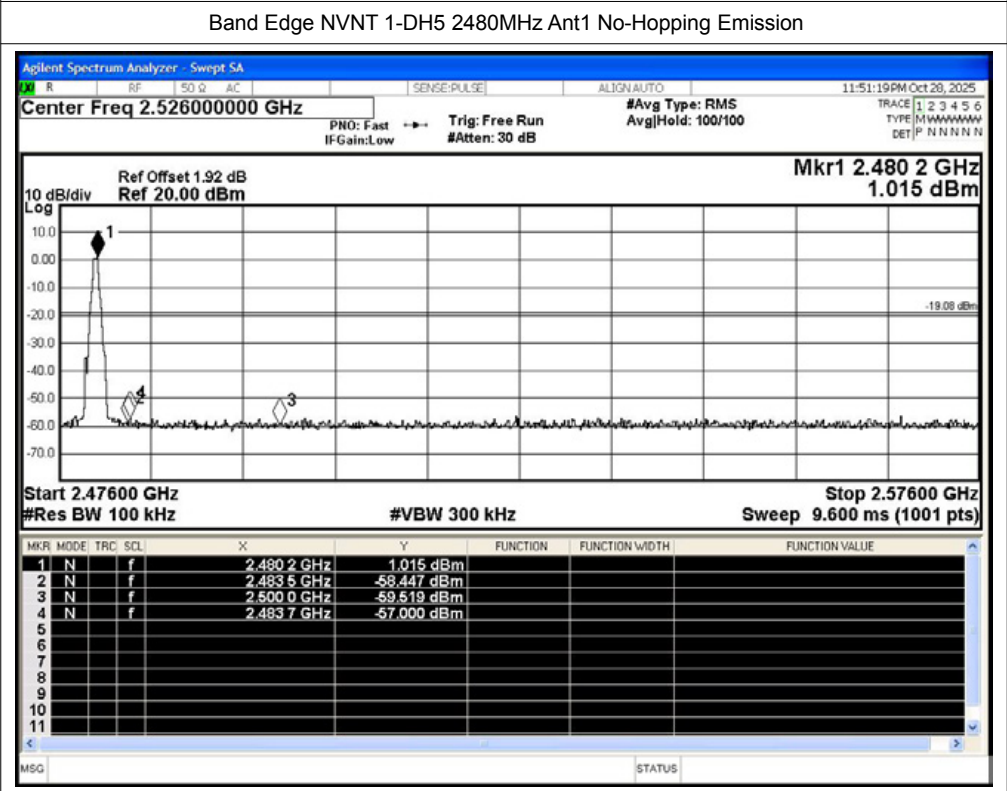
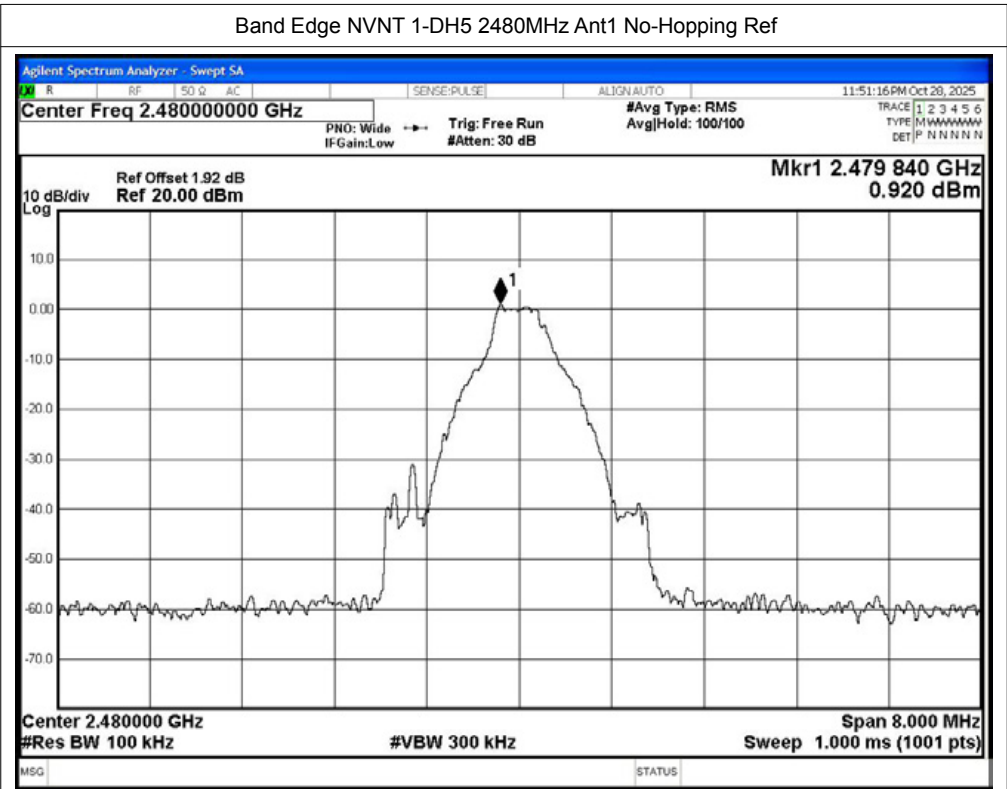


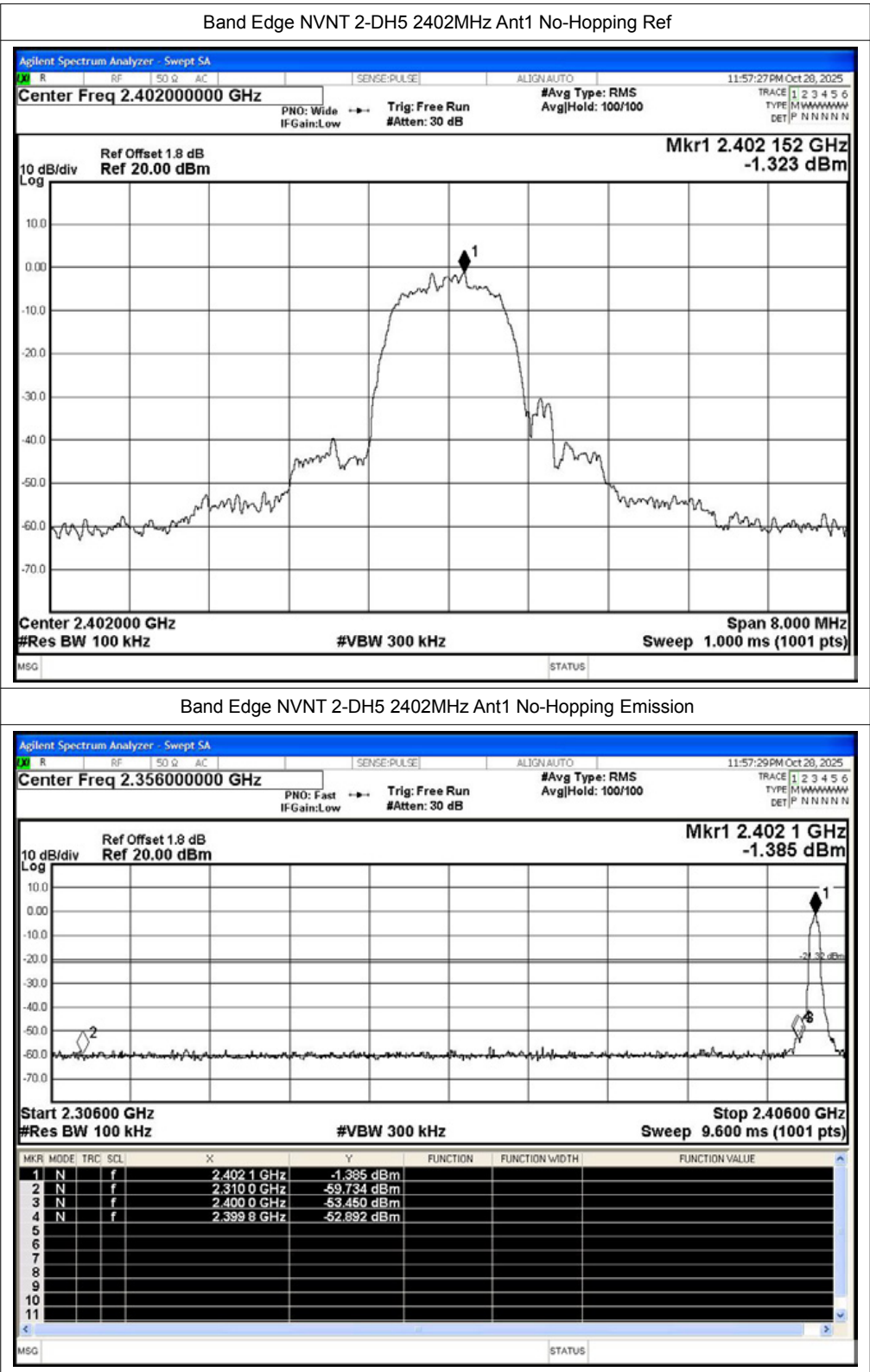


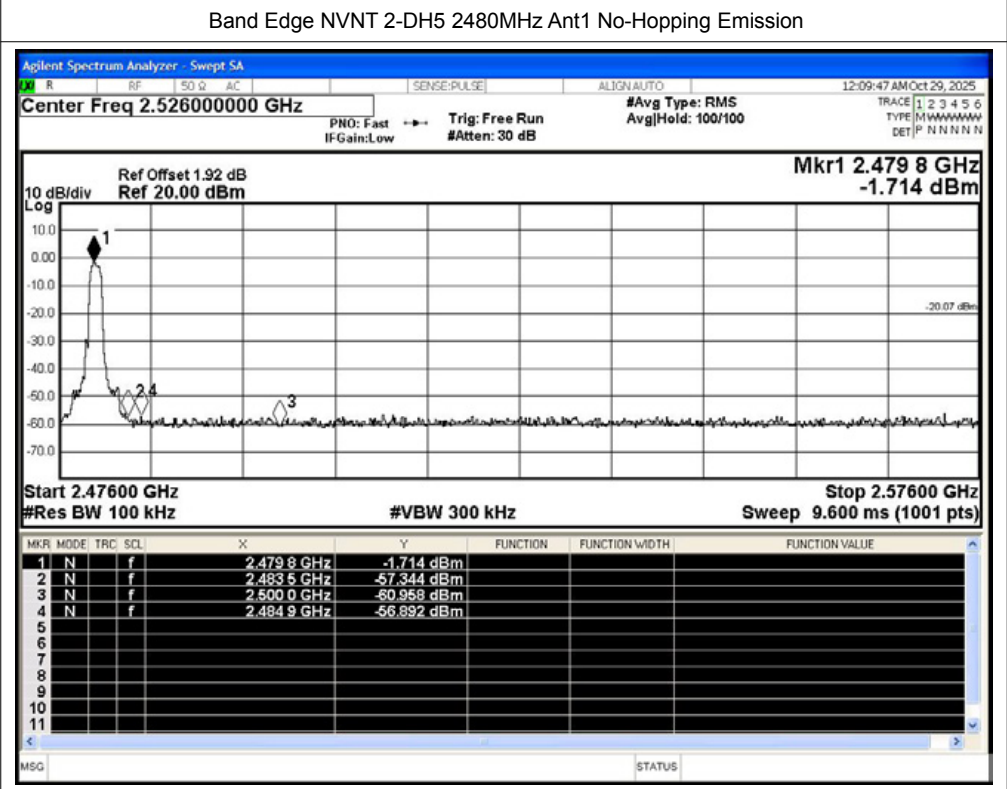
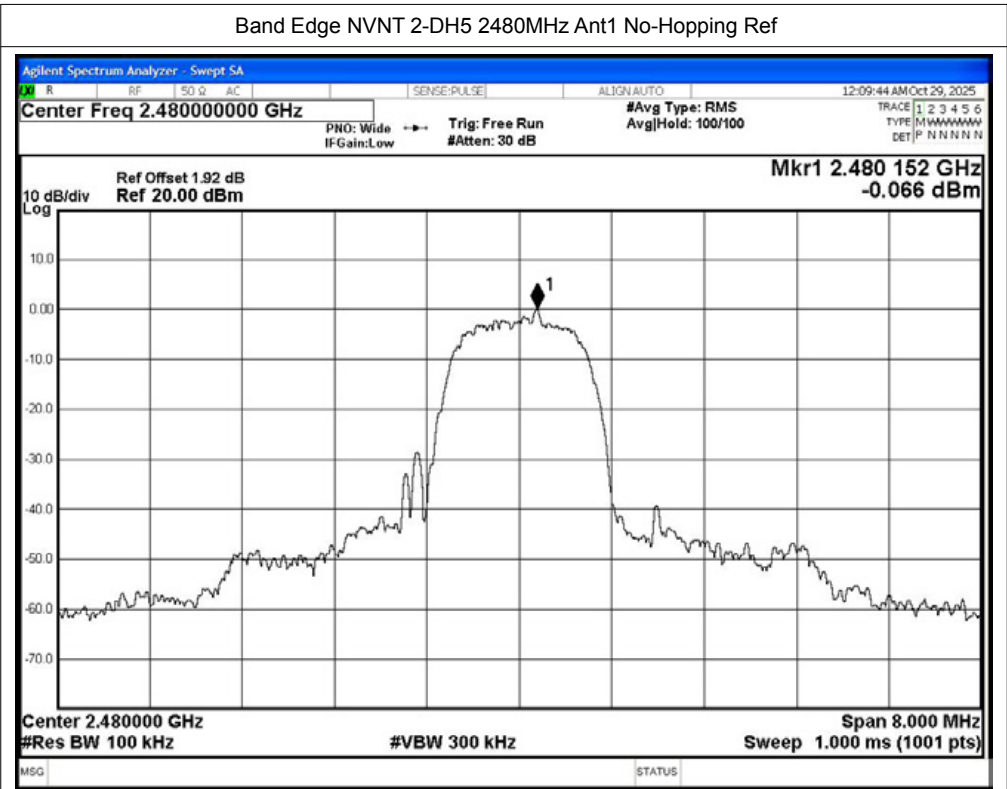
A.6 Band Edge

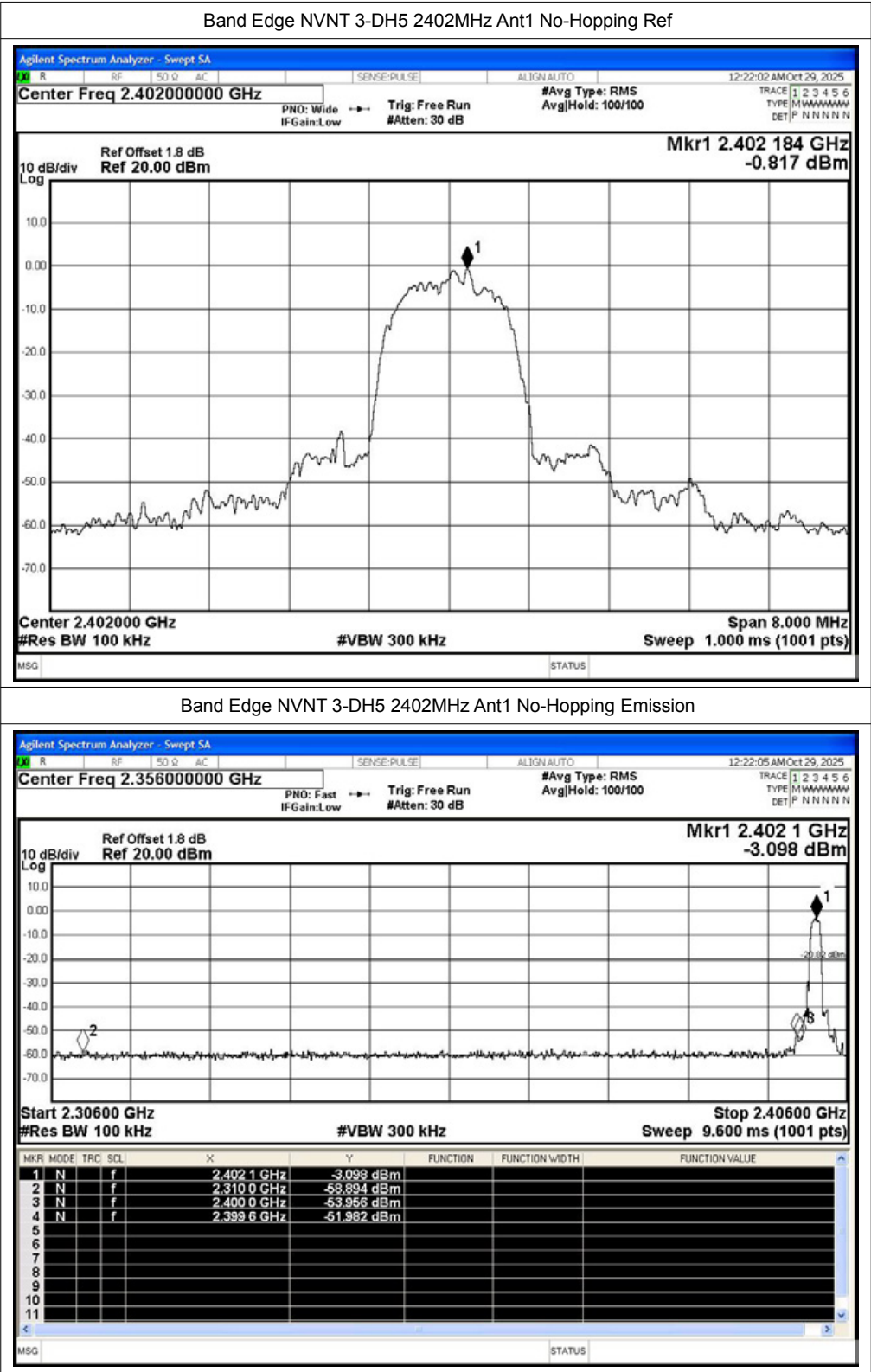
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-56.39	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.92	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.57	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-56.83	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.17	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-56.73	-20	Pass

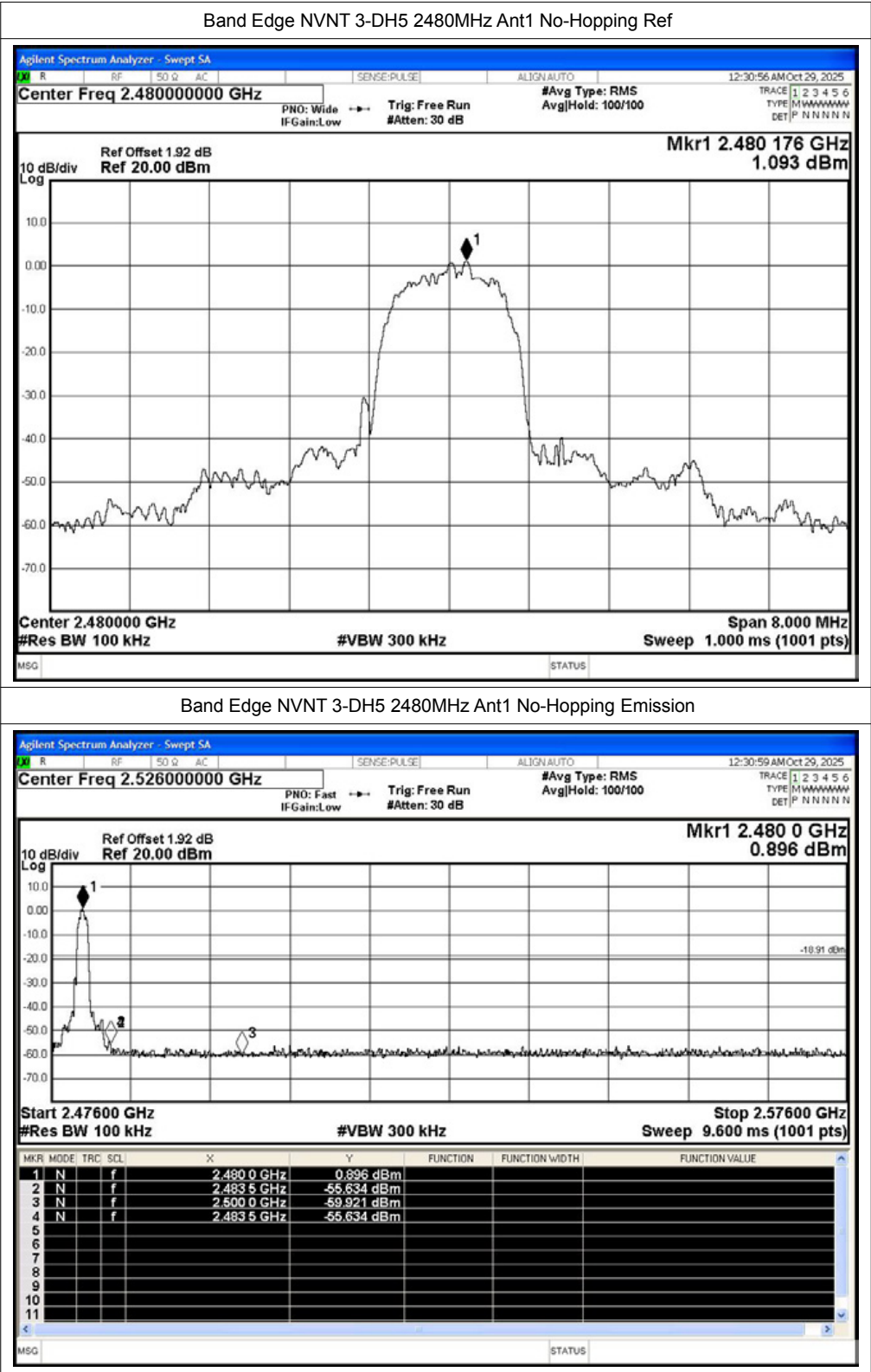






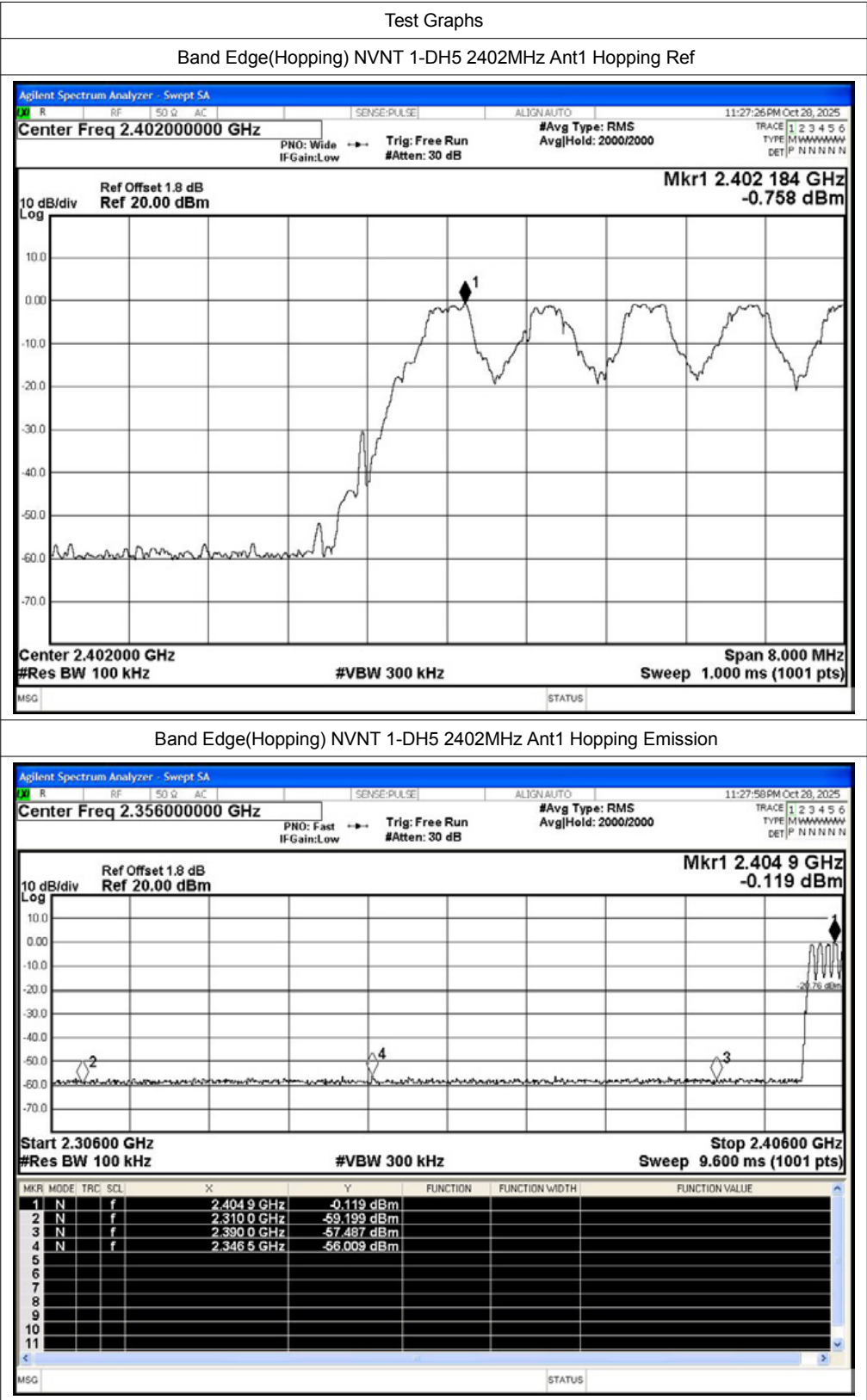


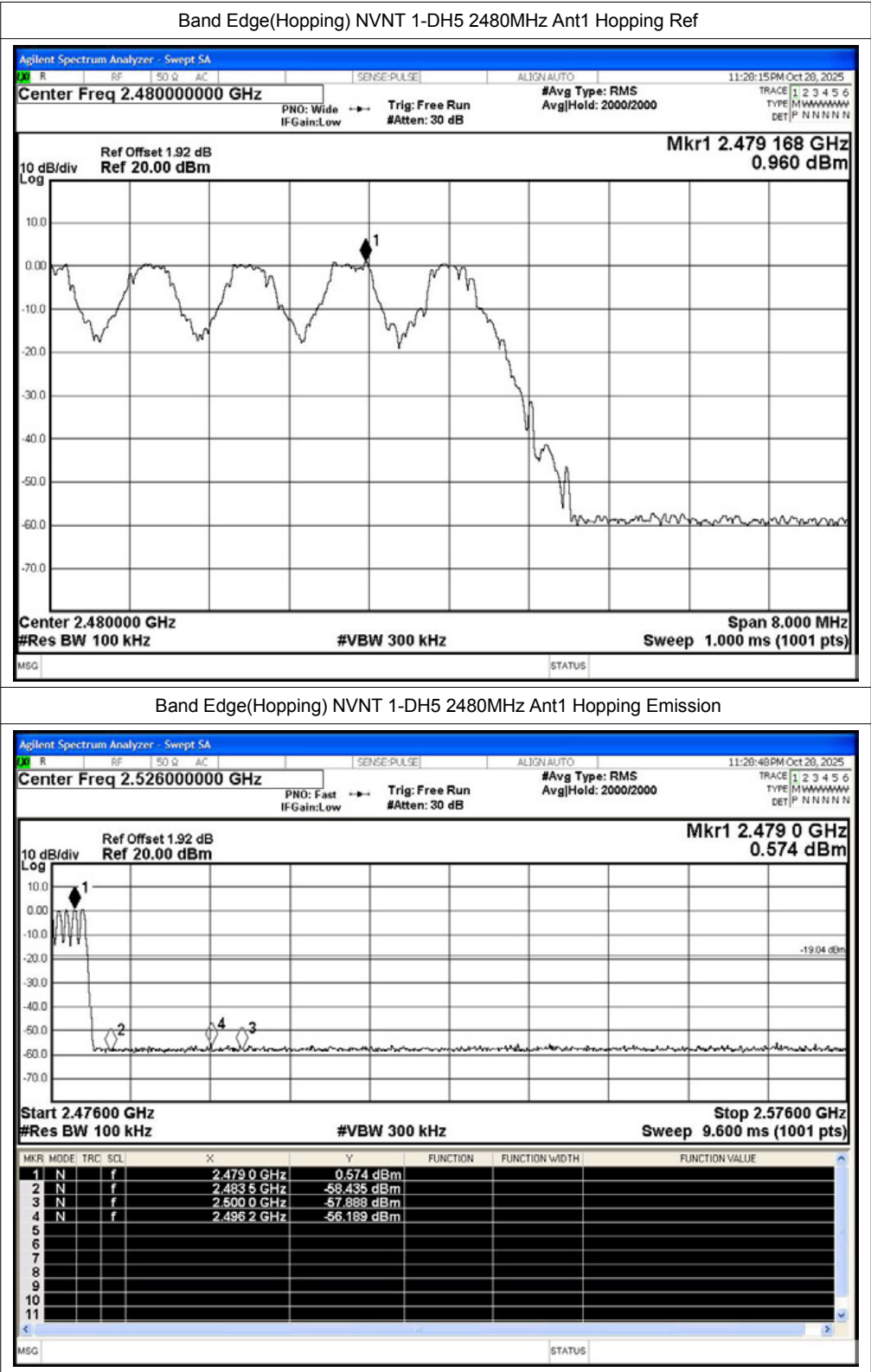


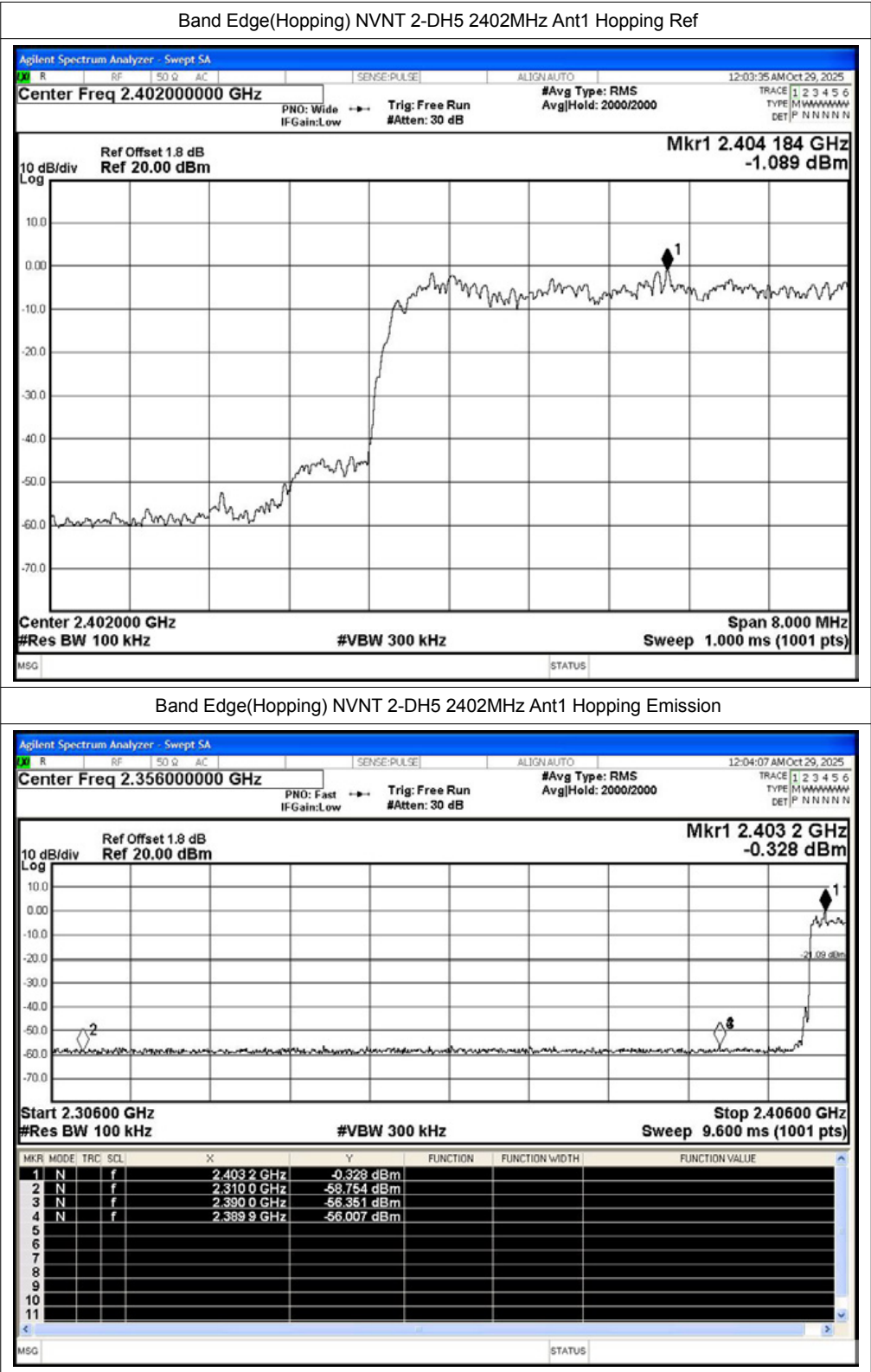


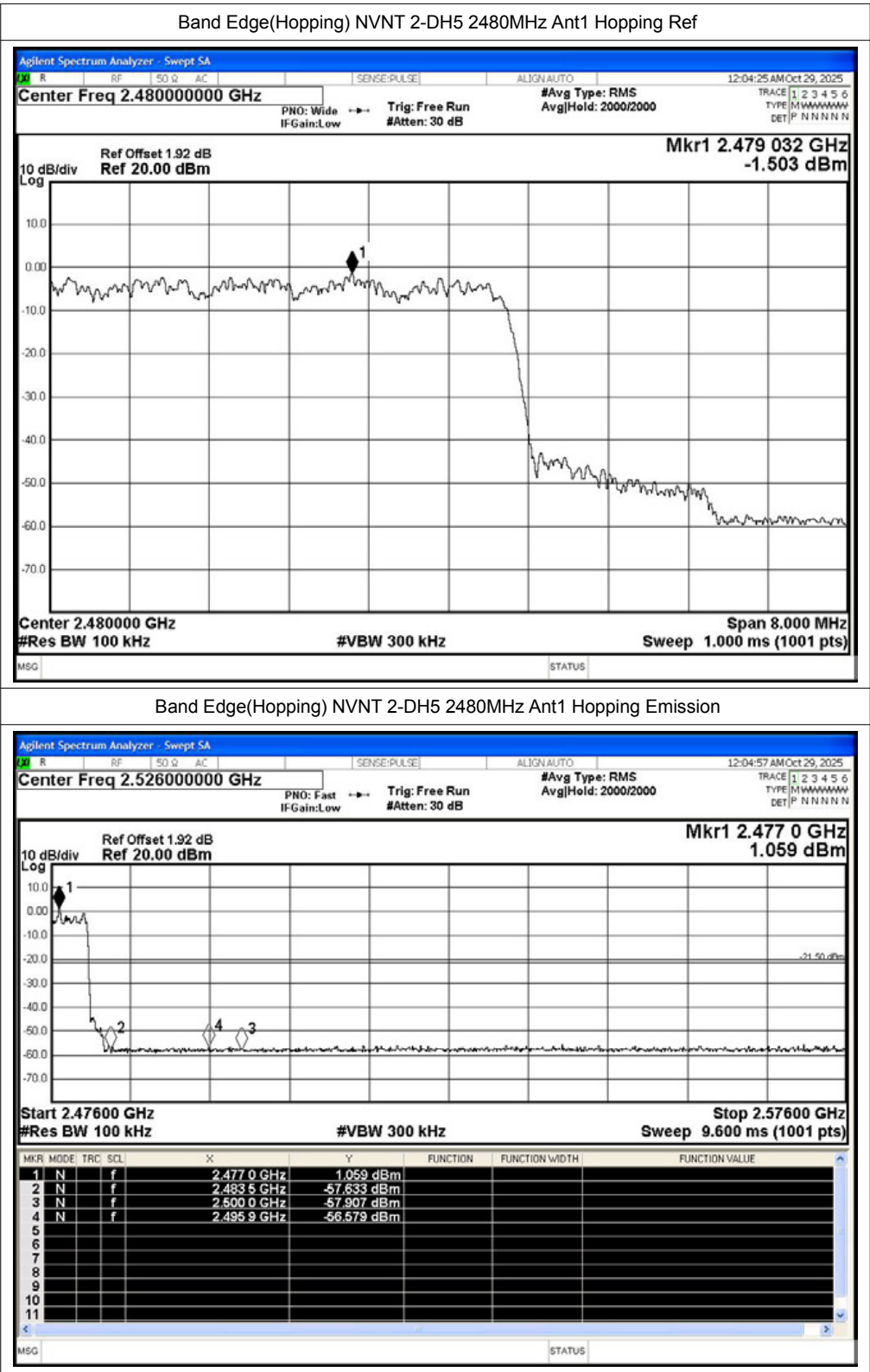
(Hopping)

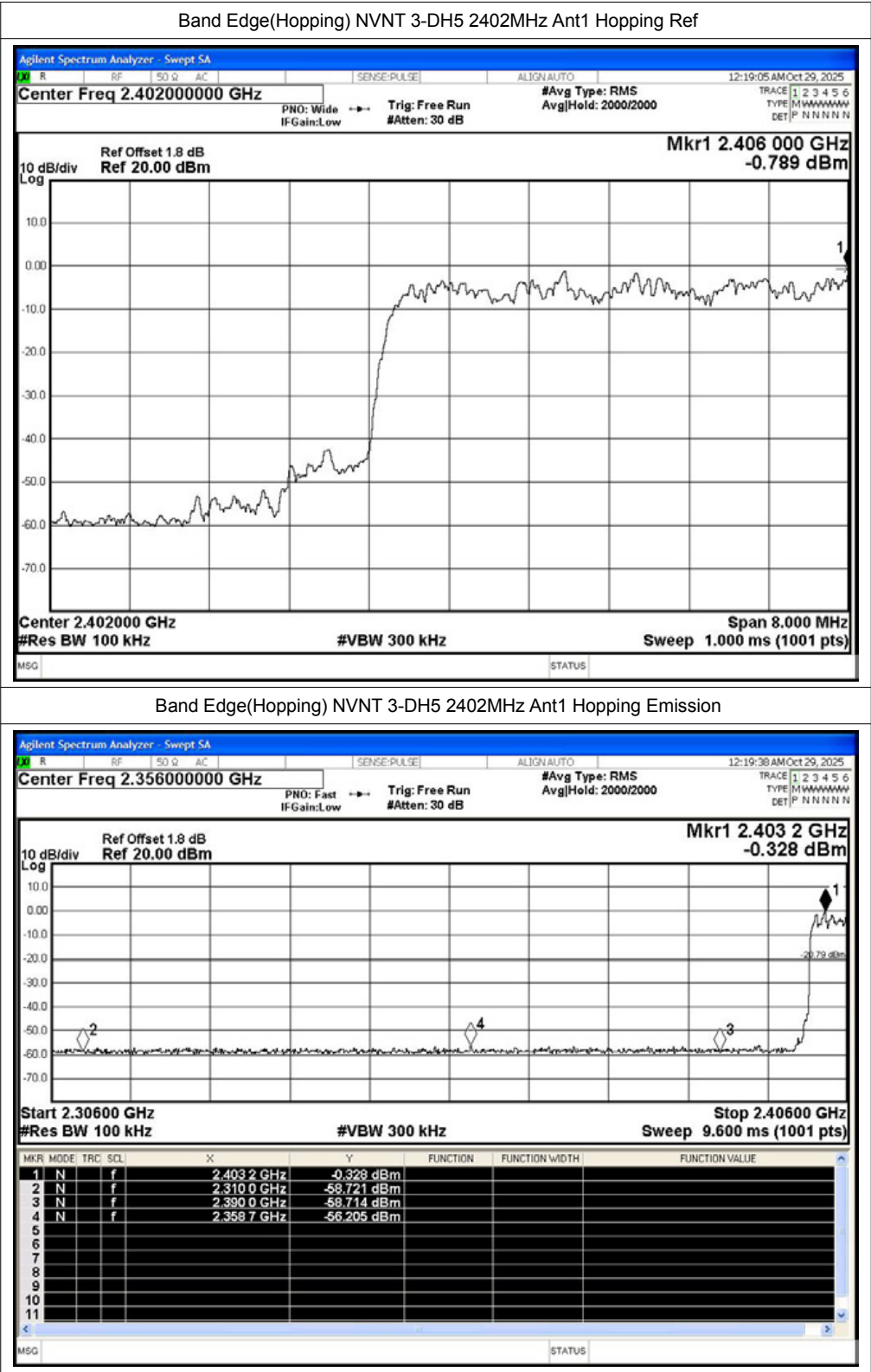
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-55.25	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-57.15	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-54.92	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-55.08	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-55.42	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-57.29	-20	Pass

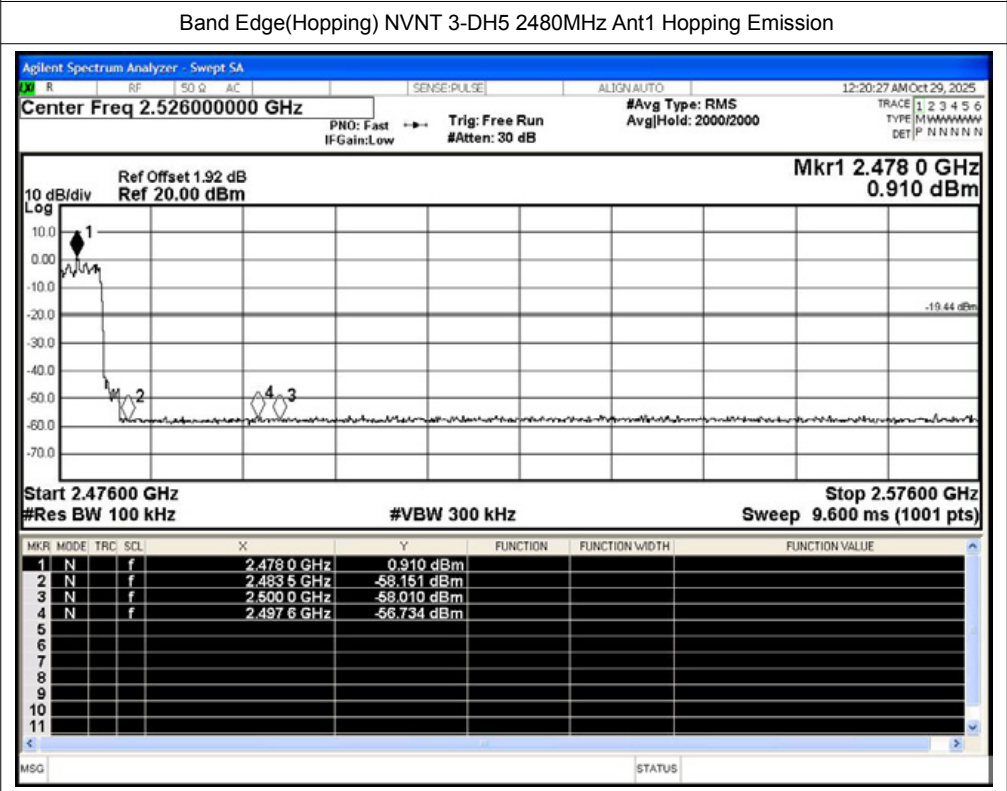
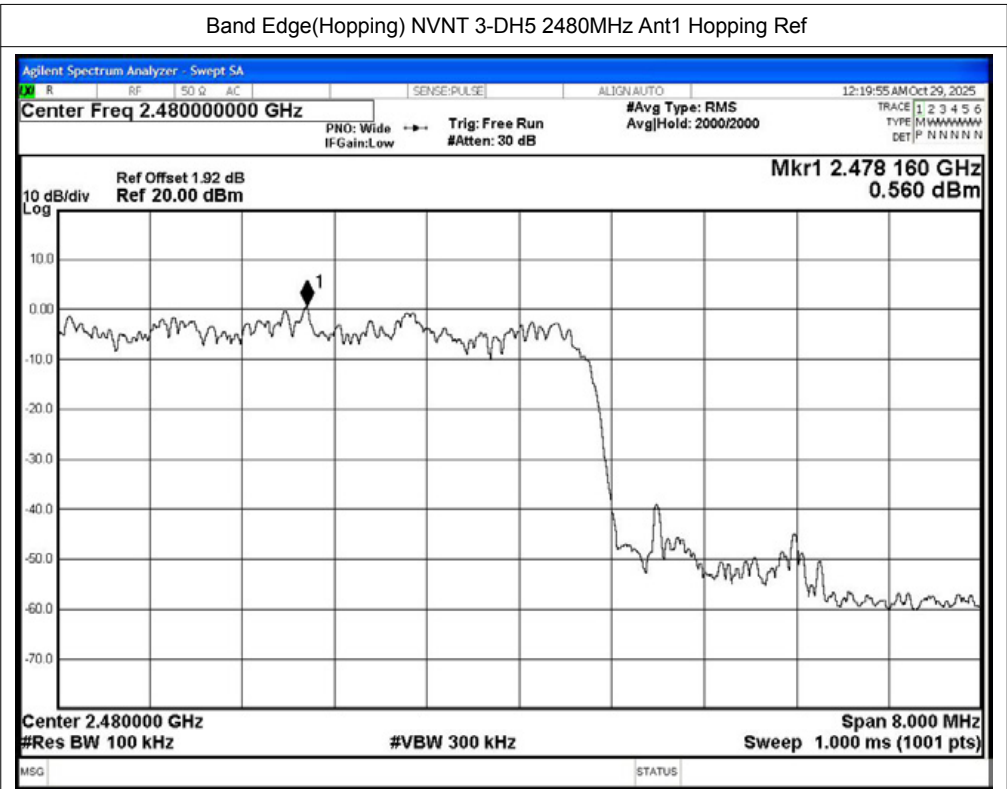












A.7 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.58	-20	Pass
NVNT	1-DH5	2441	Ant1	-57.5	-20	Pass
NVNT	1-DH5	2480	Ant1	-56.68	-20	Pass
NVNT	2-DH5	2402	Ant1	-54.08	-20	Pass
NVNT	2-DH5	2441	Ant1	-57.83	-20	Pass
NVNT	2-DH5	2480	Ant1	-55.07	-20	Pass
NVNT	3-DH5	2402	Ant1	-54.97	-20	Pass
NVNT	3-DH5	2441	Ant1	-55.75	-20	Pass
NVNT	3-DH5	2480	Ant1	-56.7	-20	Pass

