

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Projector

Test Model: X3

Environmental Conditions

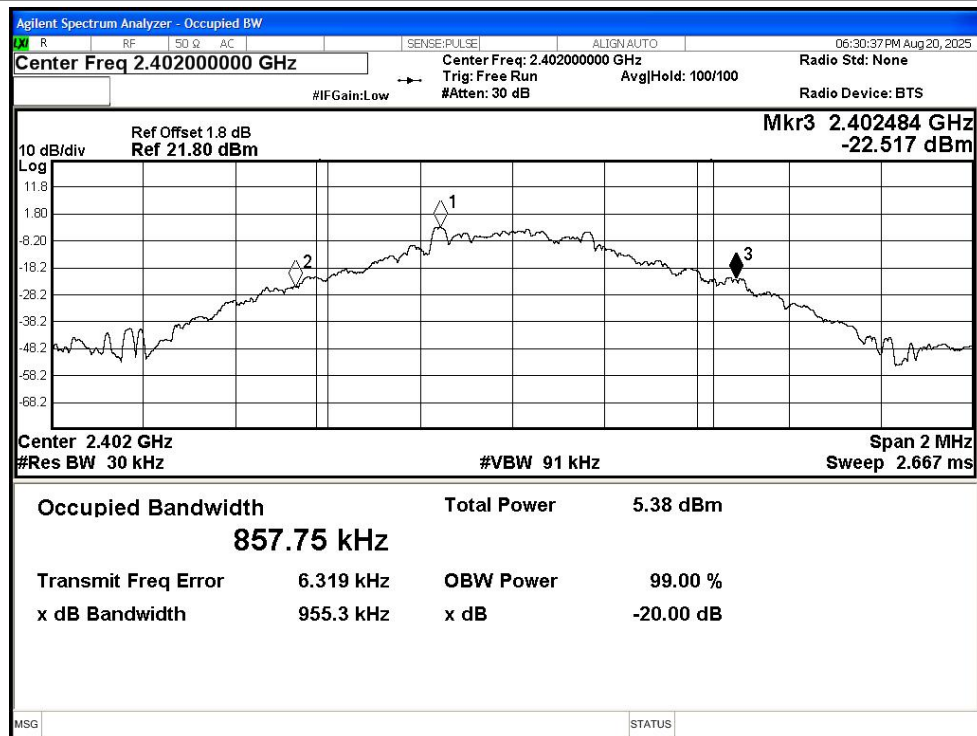
Temperature:	23.6°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jone Lee
Supervised by:	Fengliu Tang

A.1 -20dB Bandwidth

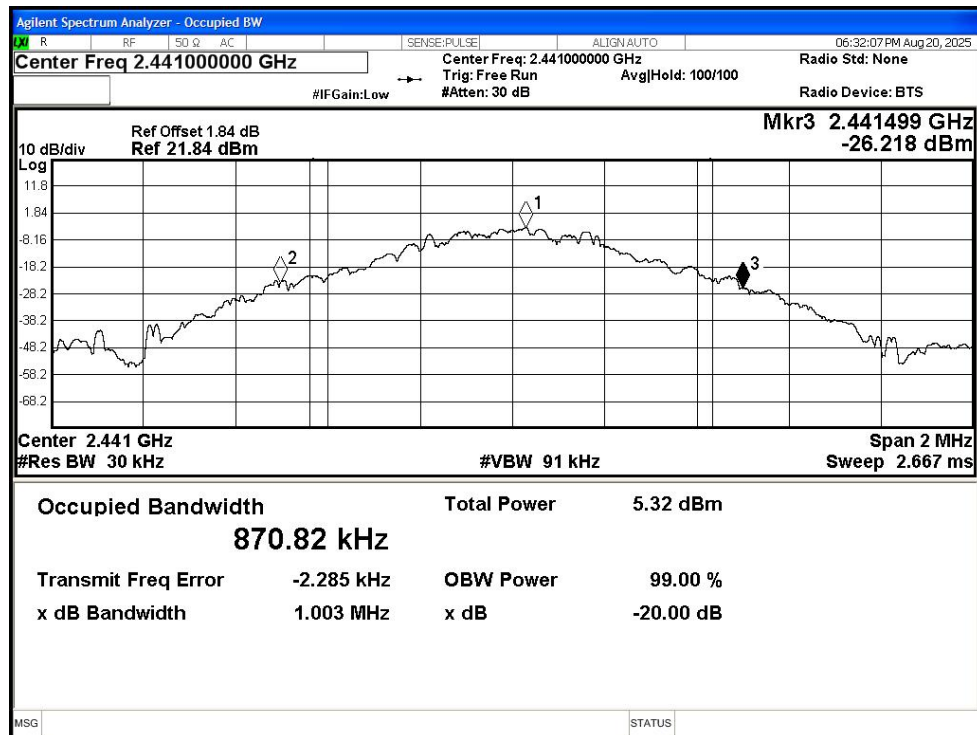
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	0.955	N/A	Pass
NVNT	1-DH5	2441	Ant1	1.003	N/A	Pass
NVNT	1-DH5	2480	Ant1	0.953	N/A	Pass
NVNT	2-DH5	2402	Ant1	1.284	N/A	Pass
NVNT	2-DH5	2441	Ant1	1.31	N/A	Pass
NVNT	2-DH5	2480	Ant1	1.286	N/A	Pass
NVNT	3-DH5	2402	Ant1	1.295	N/A	Pass
NVNT	3-DH5	2441	Ant1	1.291	N/A	Pass
NVNT	3-DH5	2480	Ant1	1.291	N/A	Pass

Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1



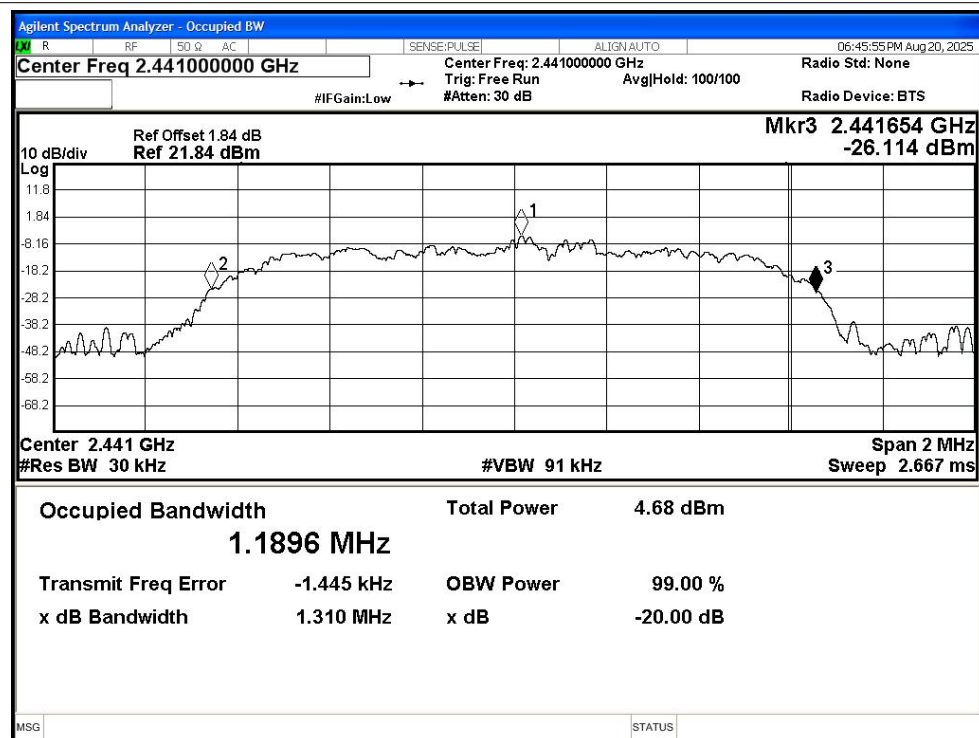
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



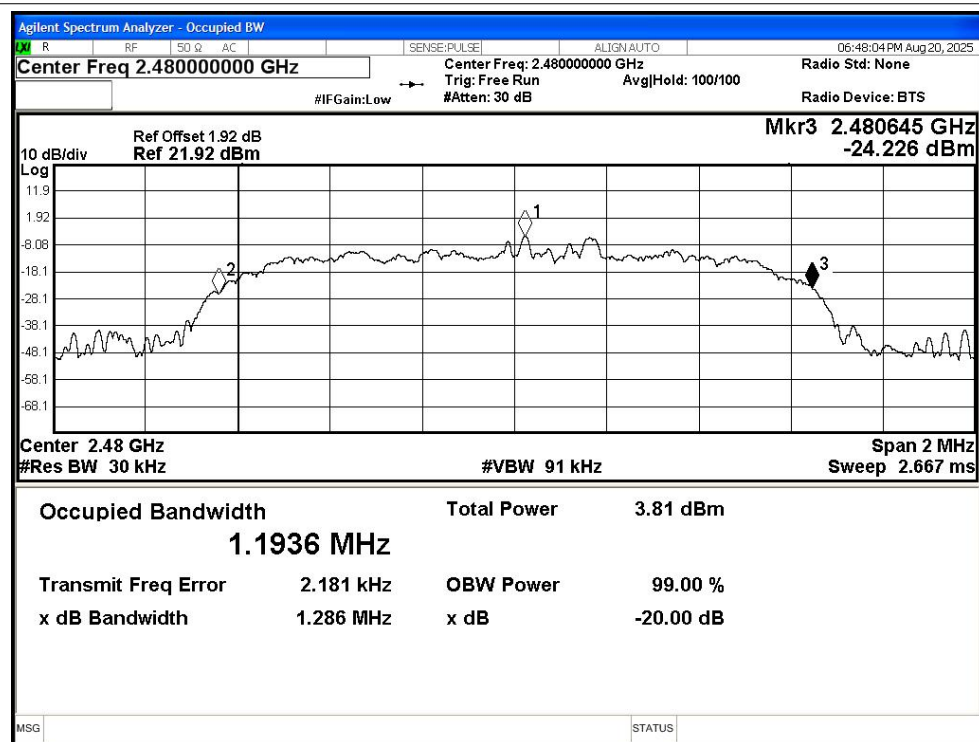
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



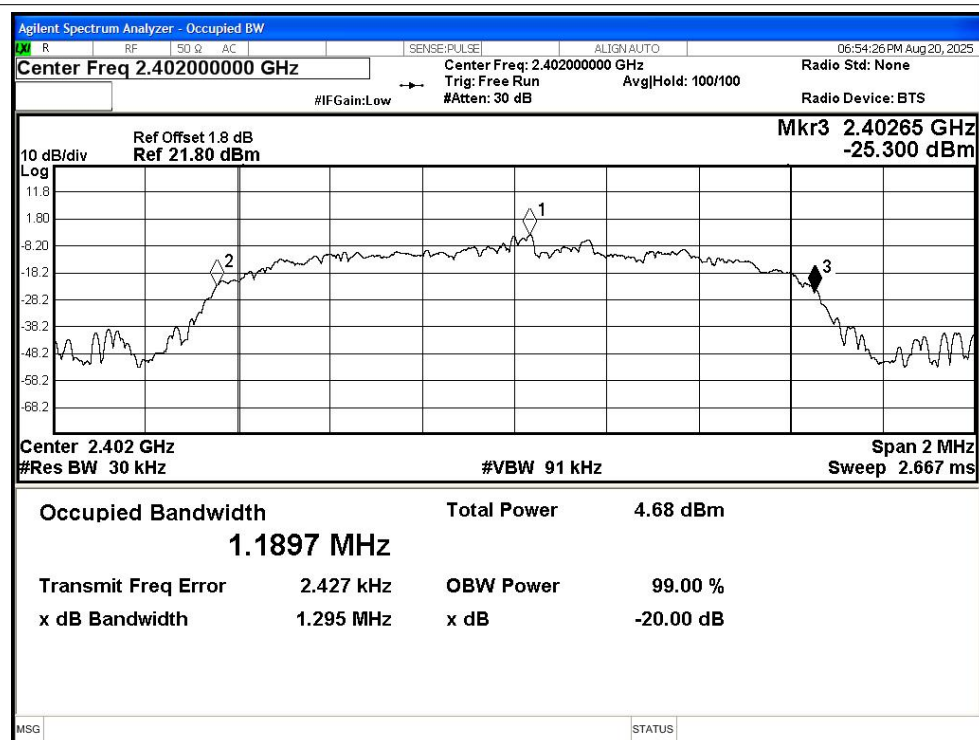
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



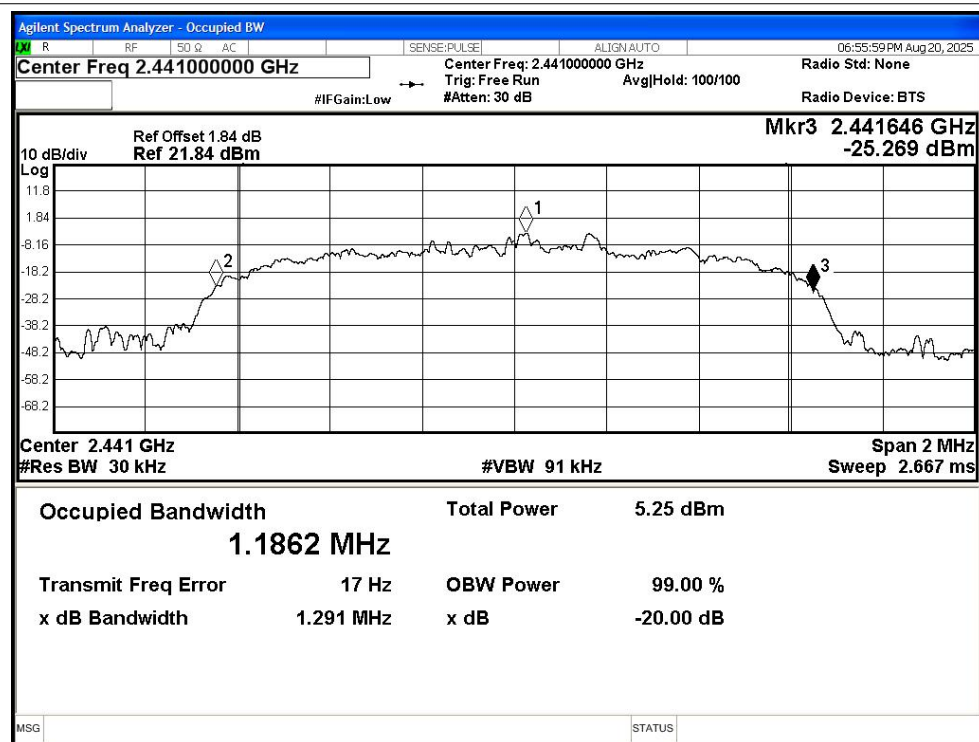
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1

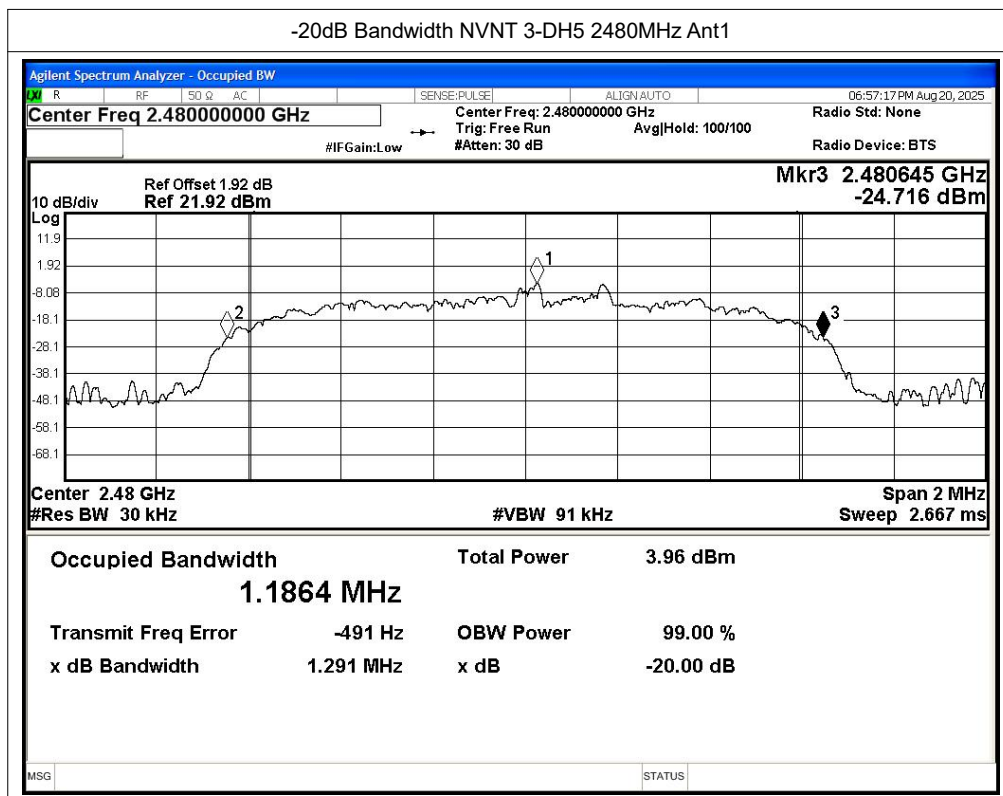


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



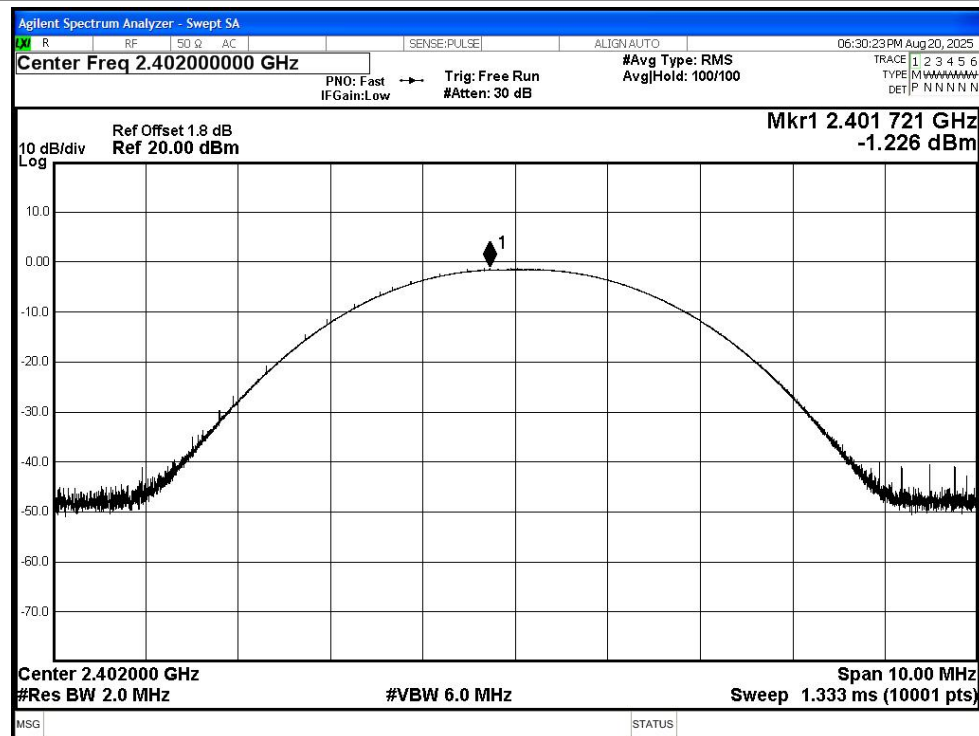


A.2 Maximum Peak Conducted Output Power

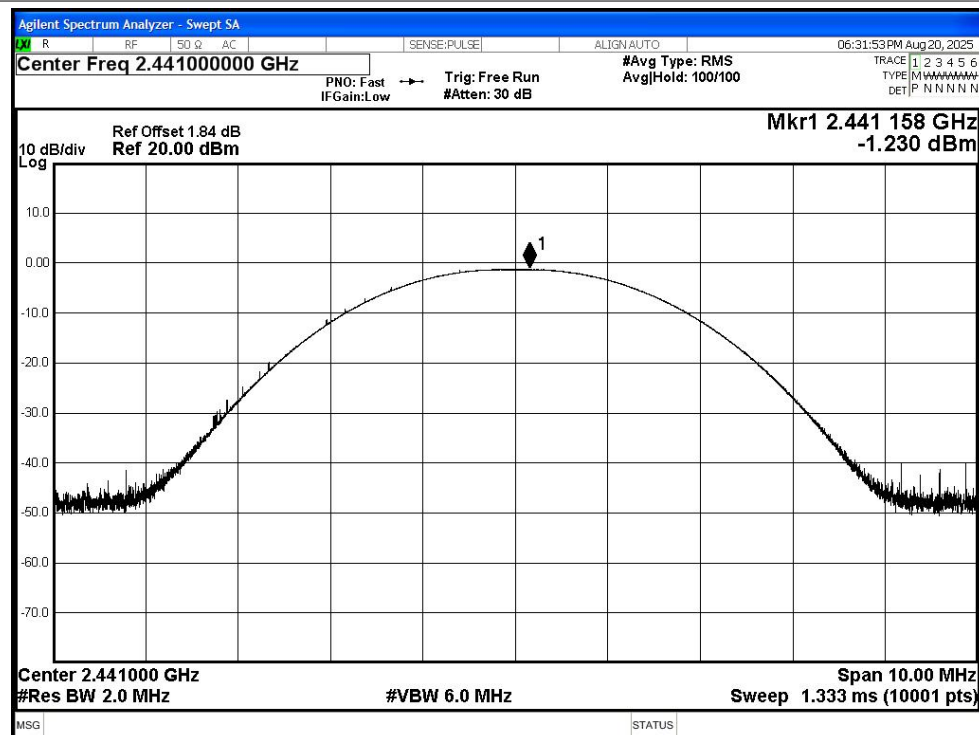
Condition	Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	-1.23	21	Pass
NVNT	1-DH5	2441	Ant1	-1.23	21	Pass
NVNT	1-DH5	2480	Ant1	-2.12	21	Pass
NVNT	2-DH5	2402	Ant1	0.43	21	Pass
NVNT	2-DH5	2441	Ant1	0.65	21	Pass
NVNT	2-DH5	2480	Ant1	-0.43	21	Pass
NVNT	3-DH5	2402	Ant1	0.78	21	Pass
NVNT	3-DH5	2441	Ant1	1.04	21	Pass
NVNT	3-DH5	2480	Ant1	-0.01	21	Pass

Test Graphs

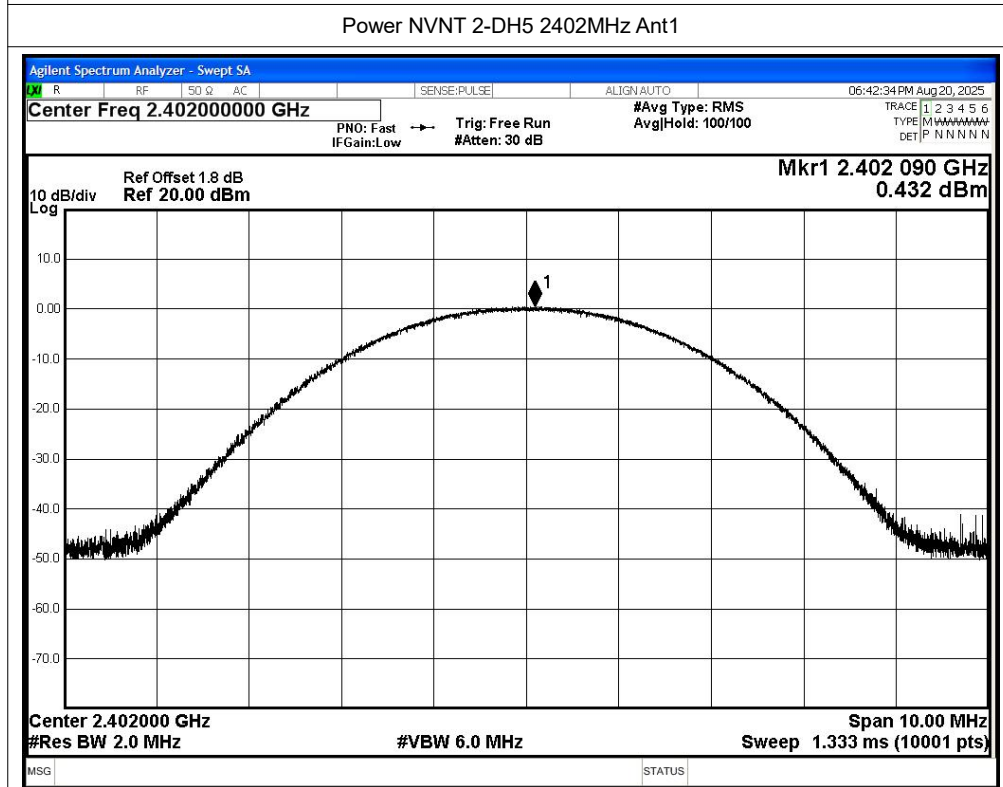
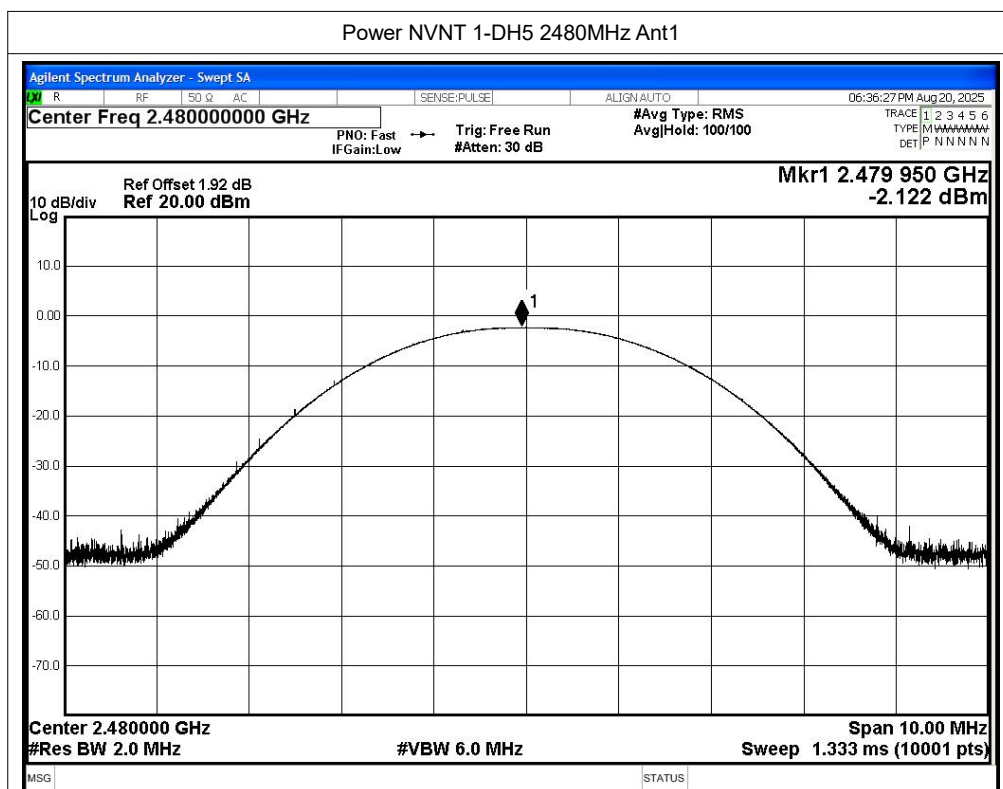
Power NVNT 1-DH5 2402MHz Ant1



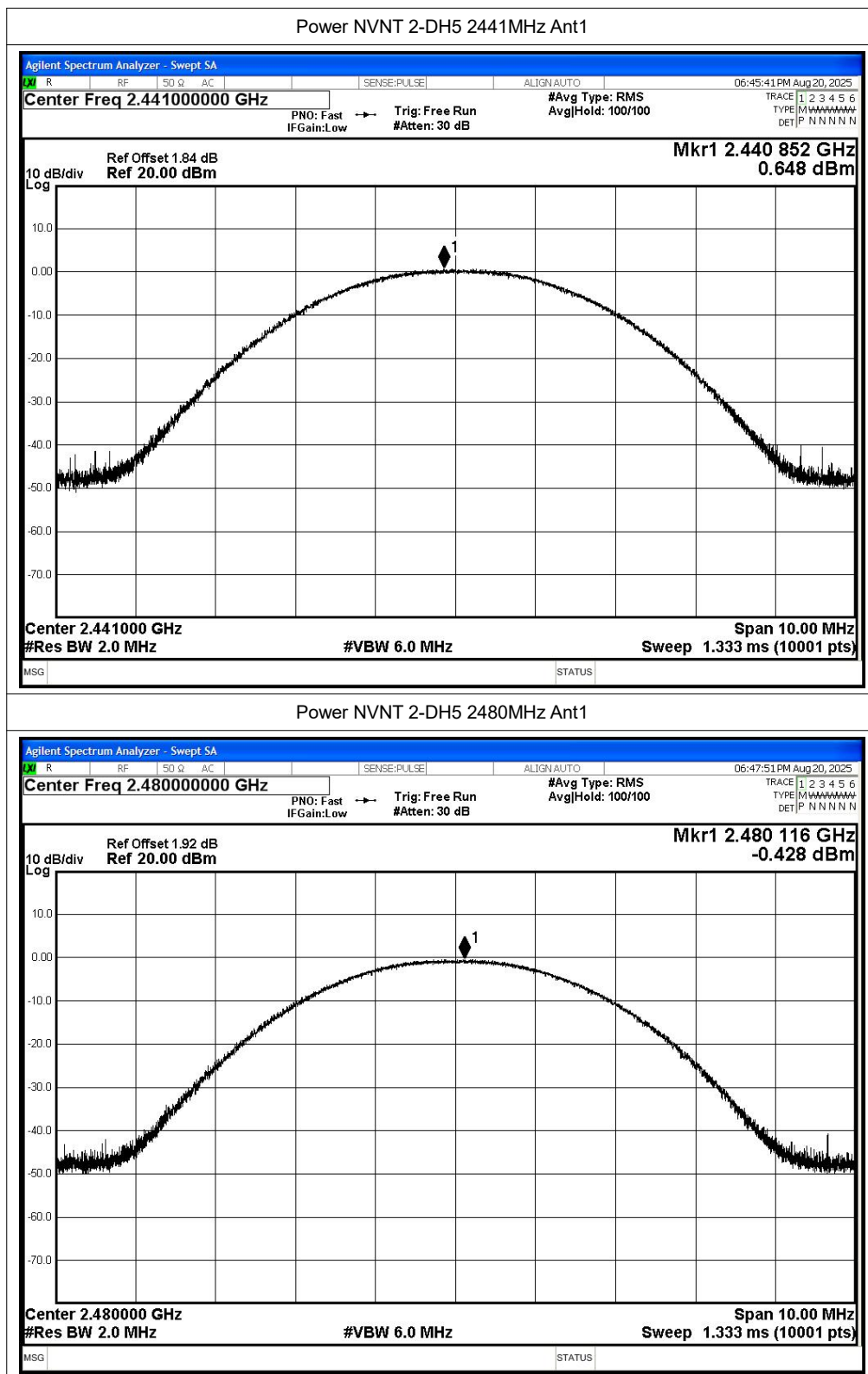
Power NVNT 1-DH5 2441MHz Ant1



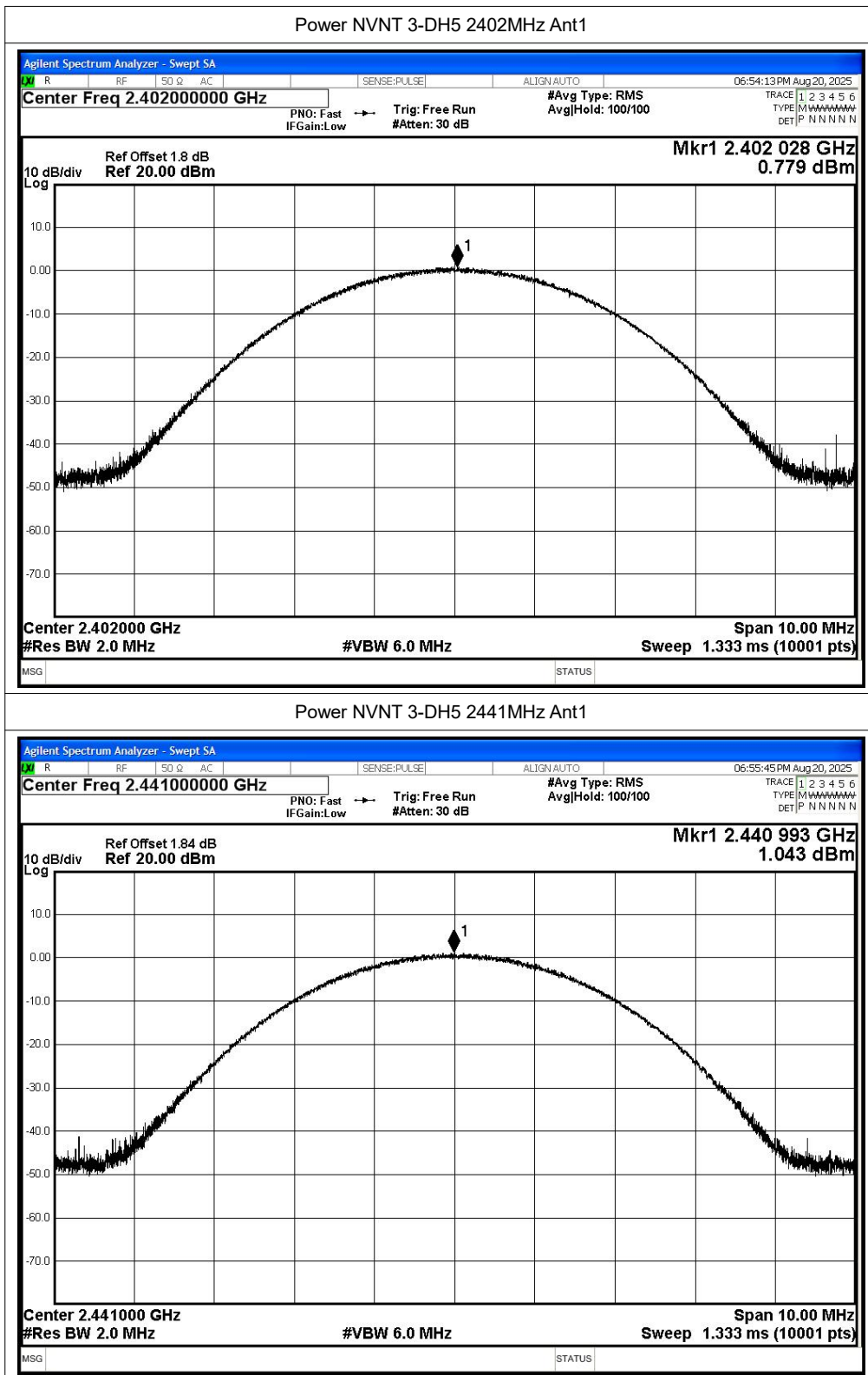
LCSC08015009EA



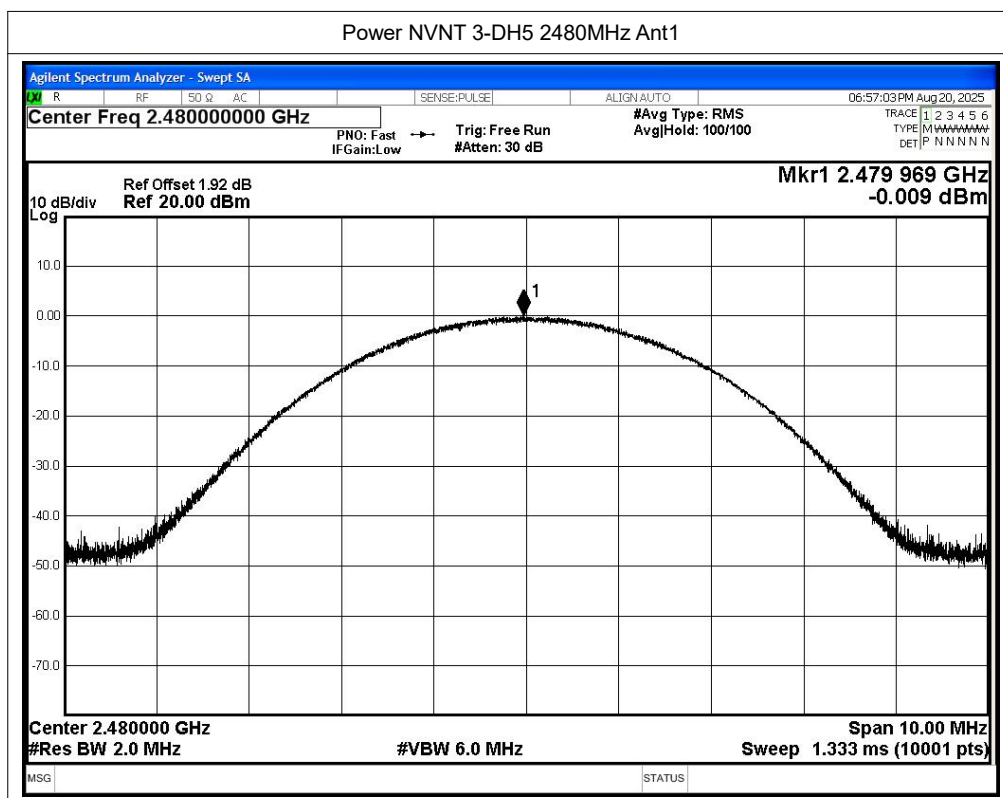
LCSC08015009EA



LCSC08015009EA

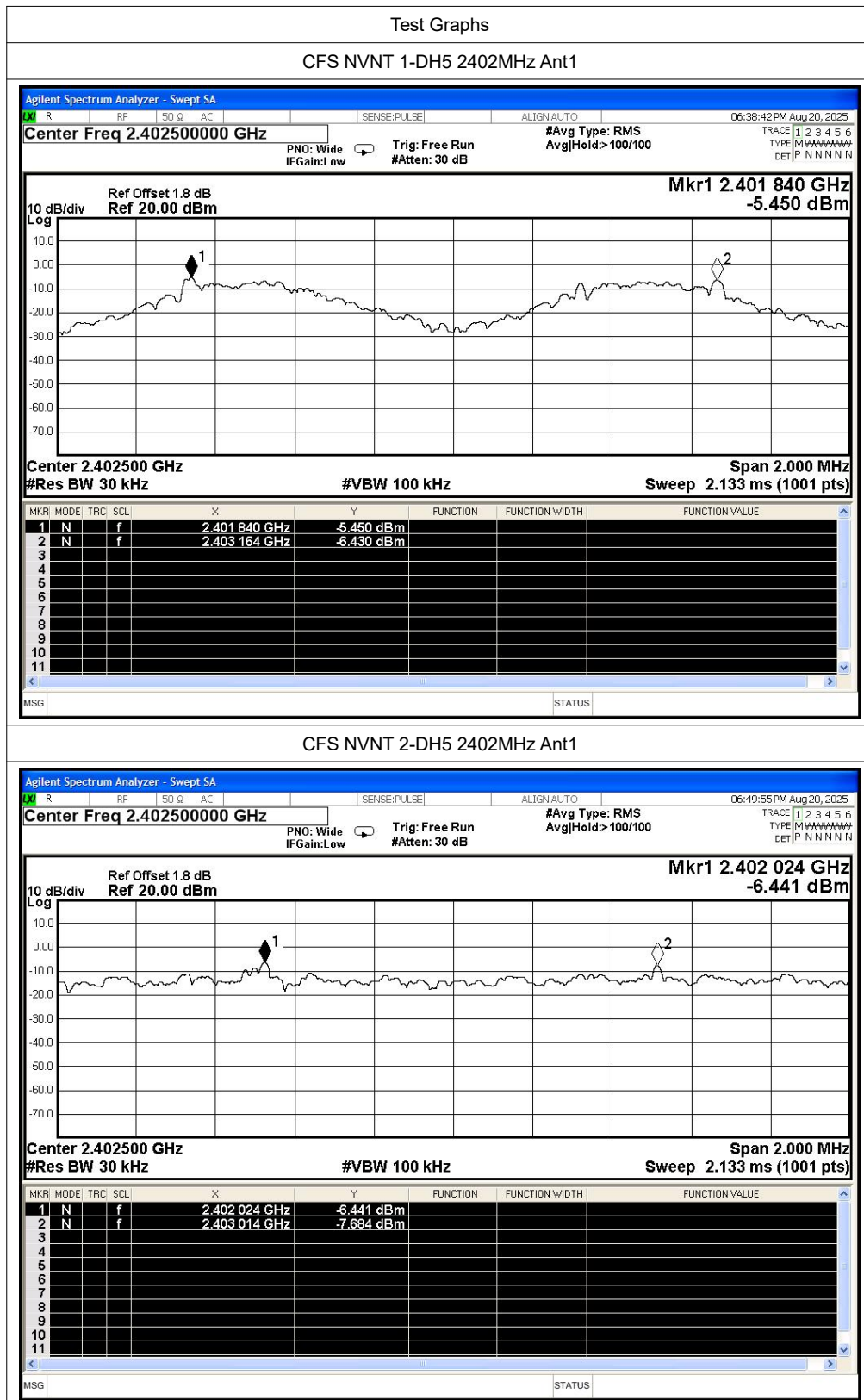


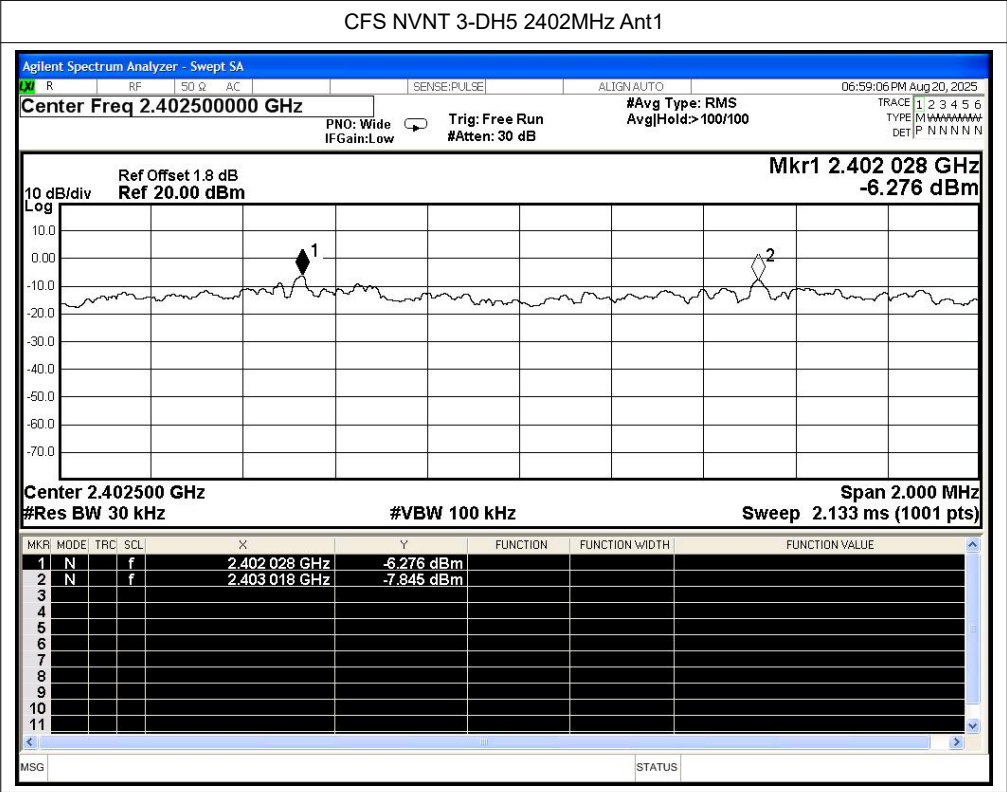
LCSC08015009EA



A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.84	2403.164	1.324	0.637	Pass
NVNT	2-DH5	Ant1	2402.024	2403.014	0.99	0.856	Pass
NVNT	3-DH5	Ant1	2402.028	2403.018	0.99	0.863	Pass

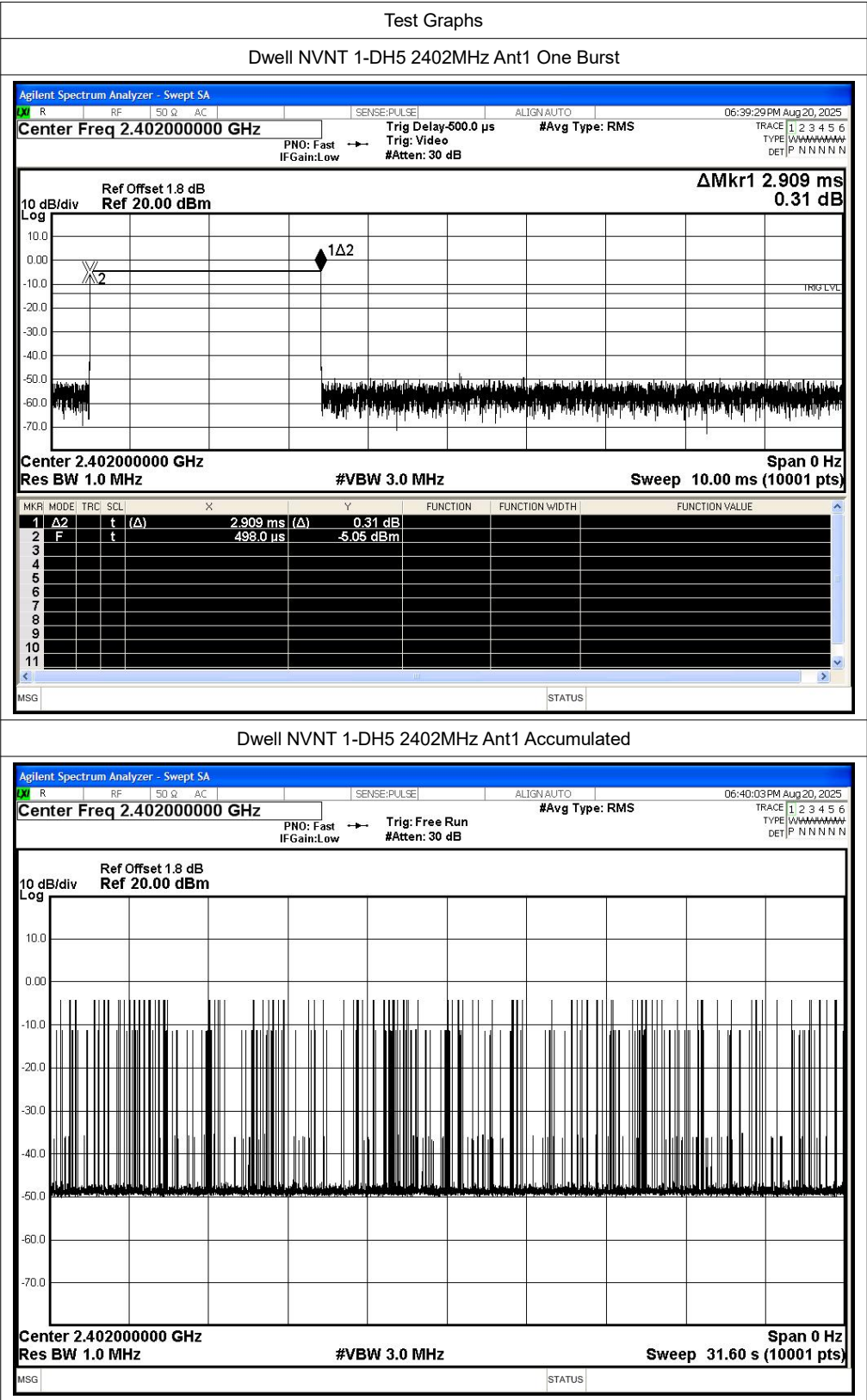


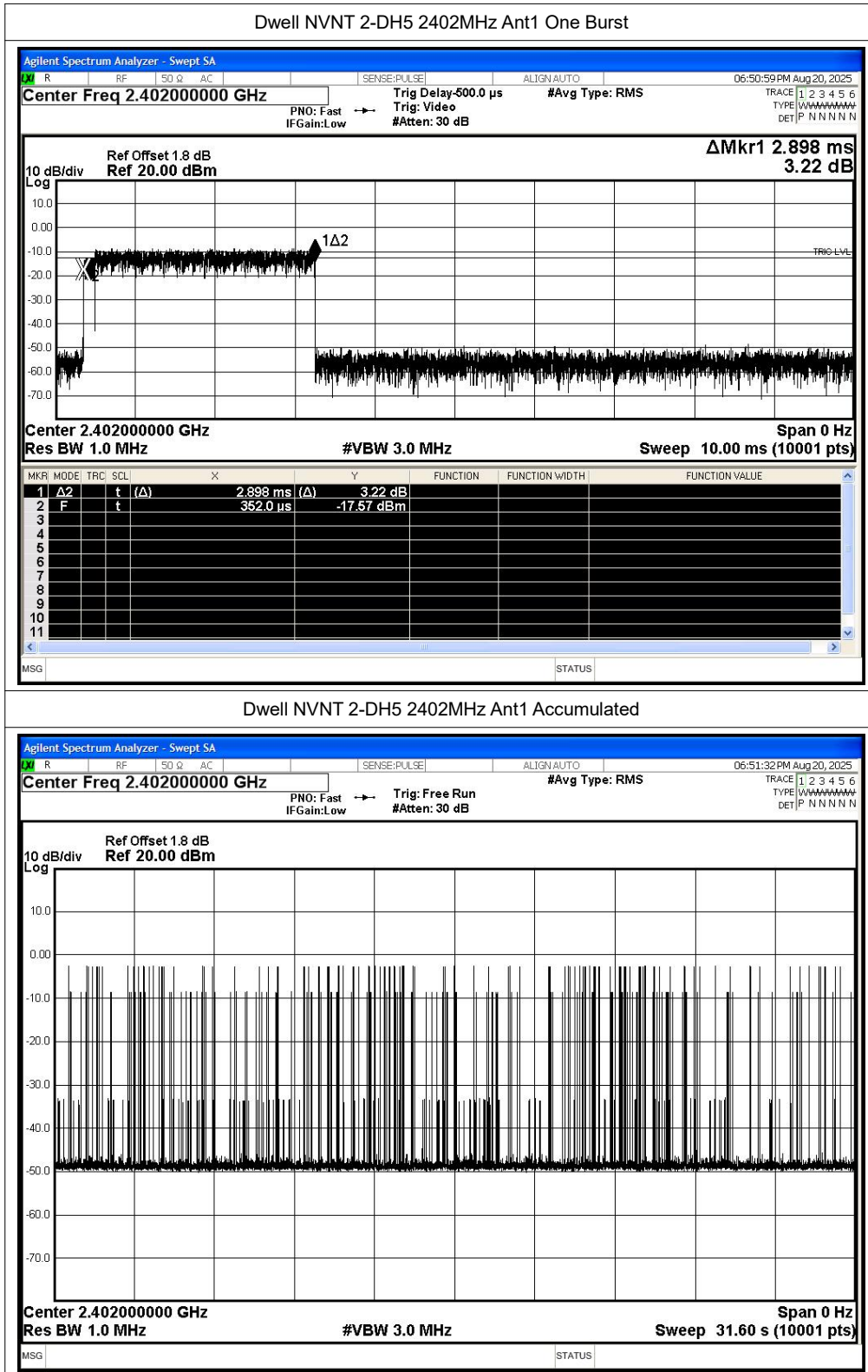


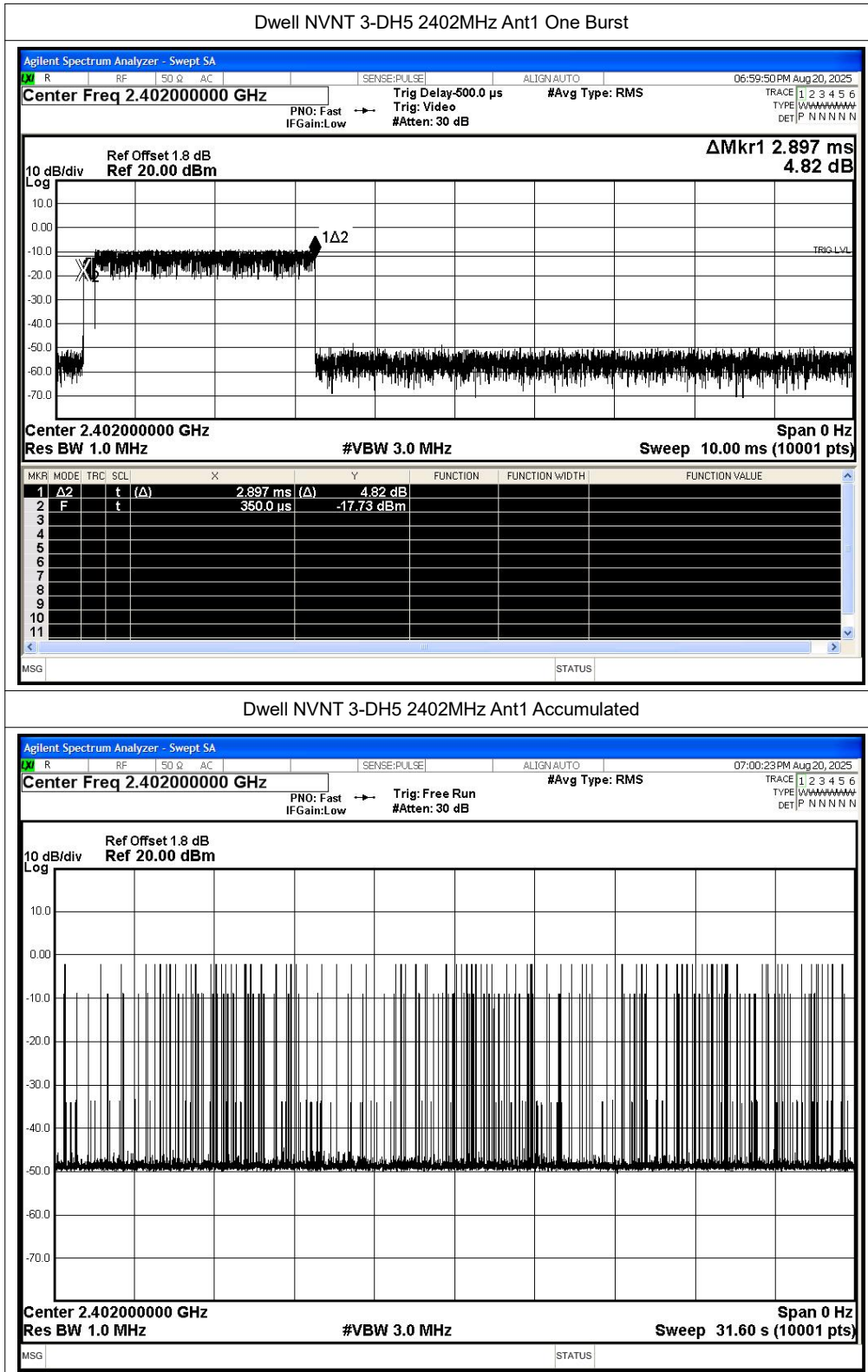
A.4 Dwell Time

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	2.909	331.626	114	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.898	307.188	106	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.897	298.391	103	31600	400	Pass

LCSC08015009EA



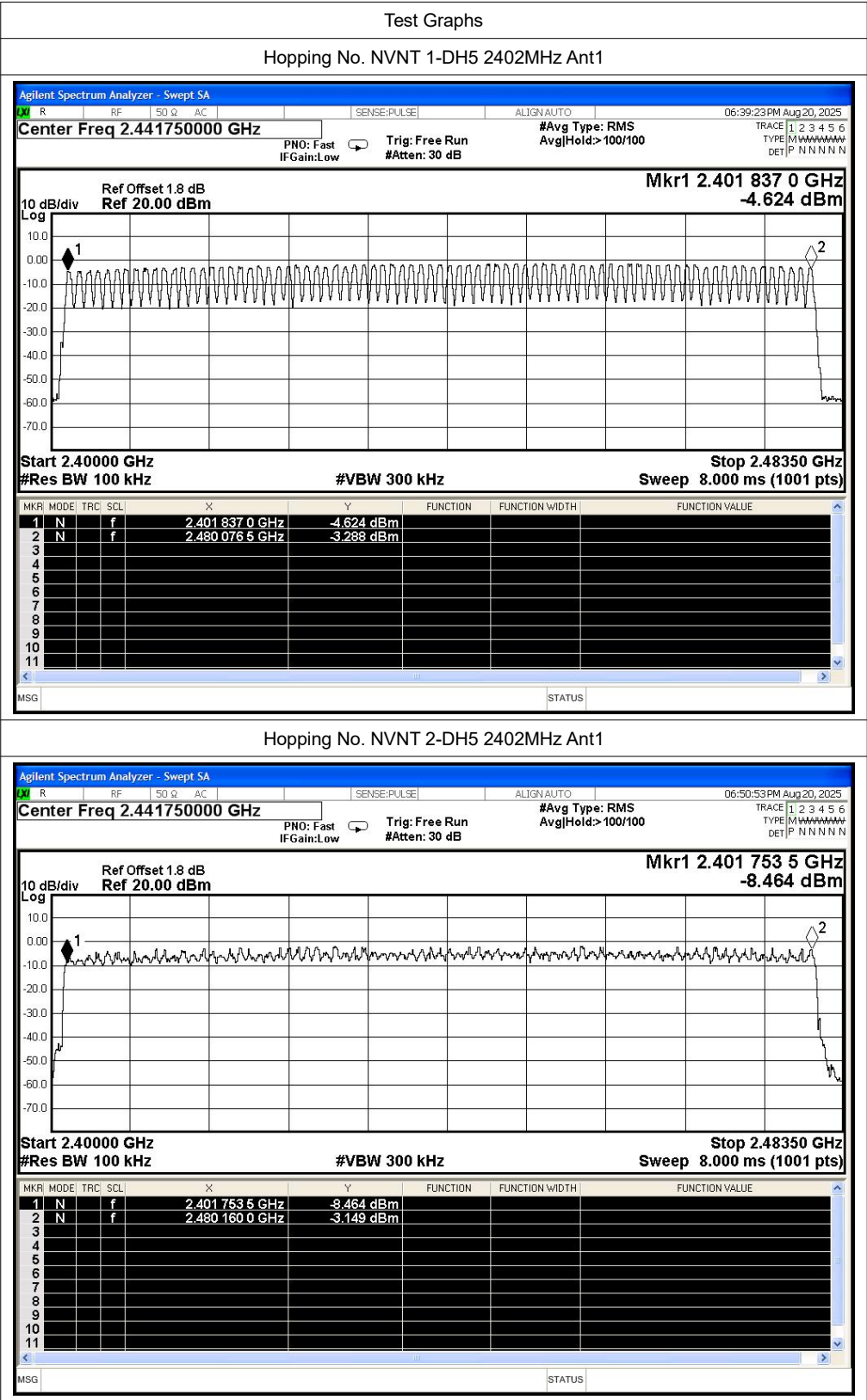




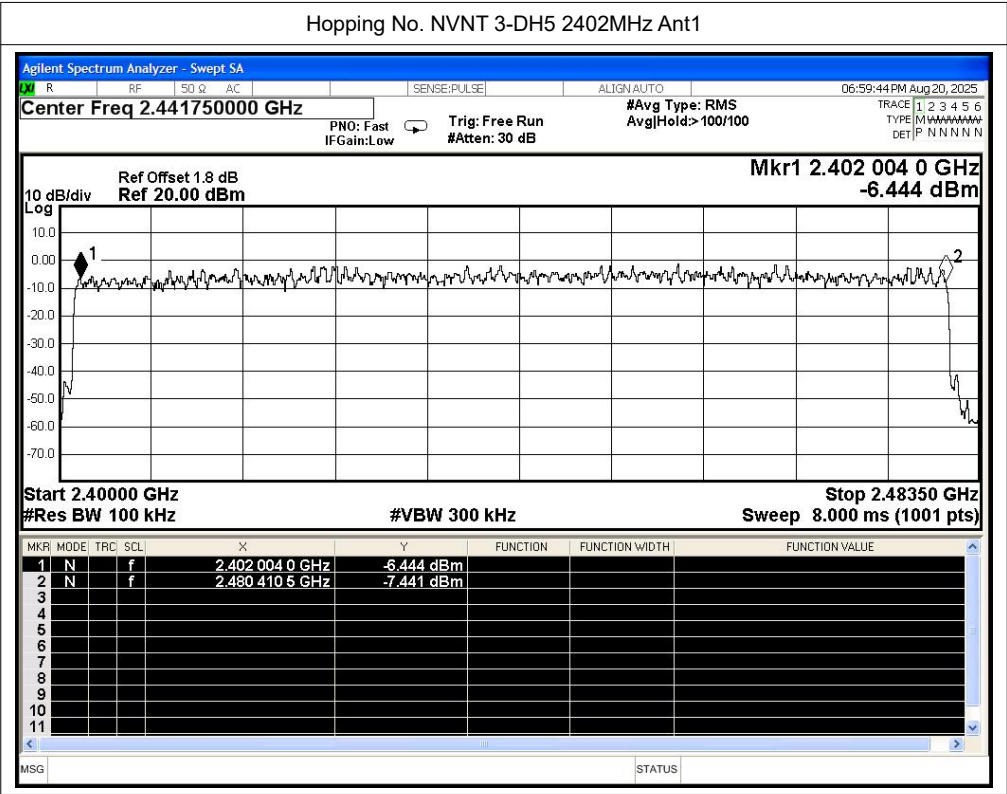
A.5 Number of Hopping Channel

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

LCSC08015009EA



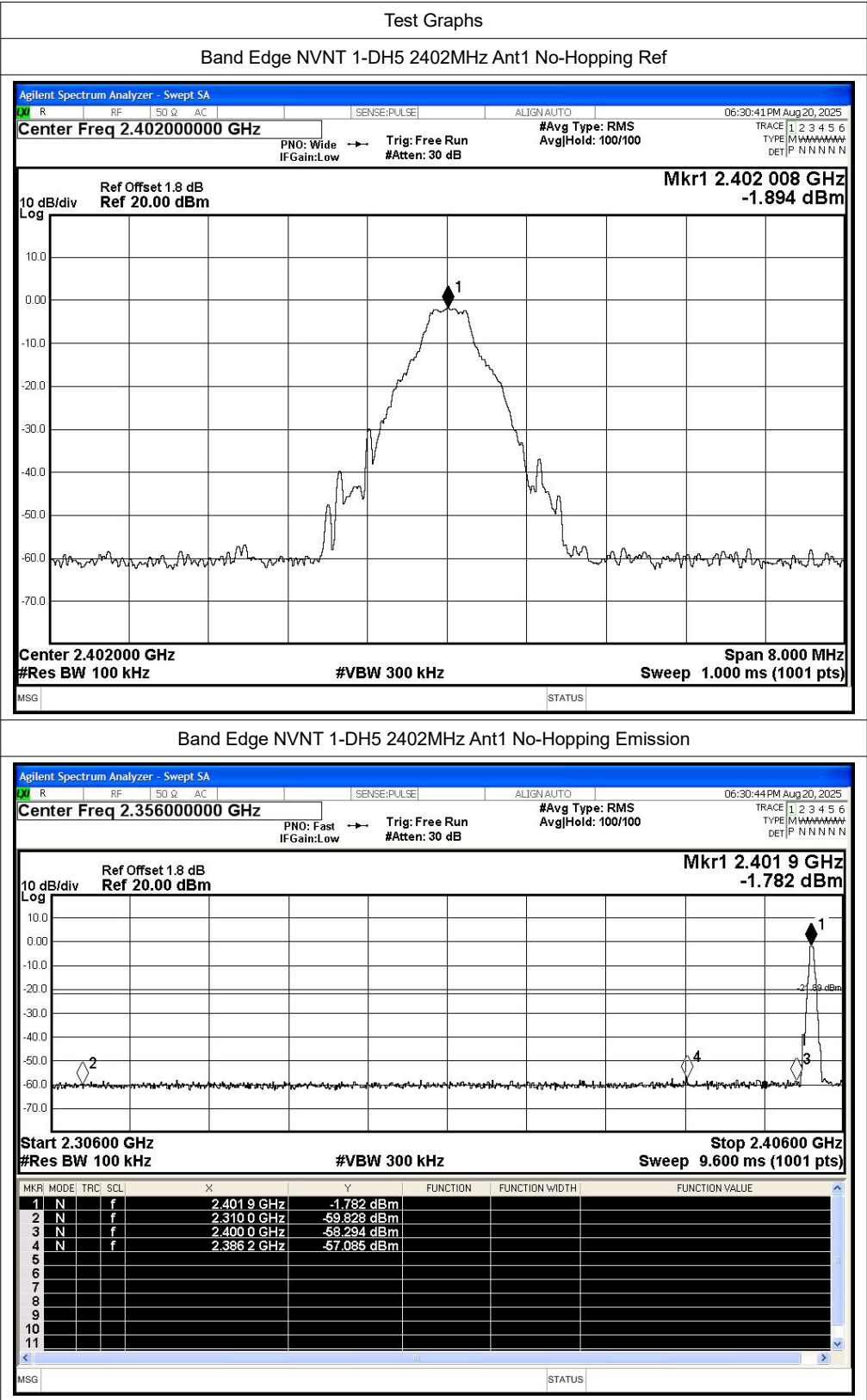
LCSC08015009EA



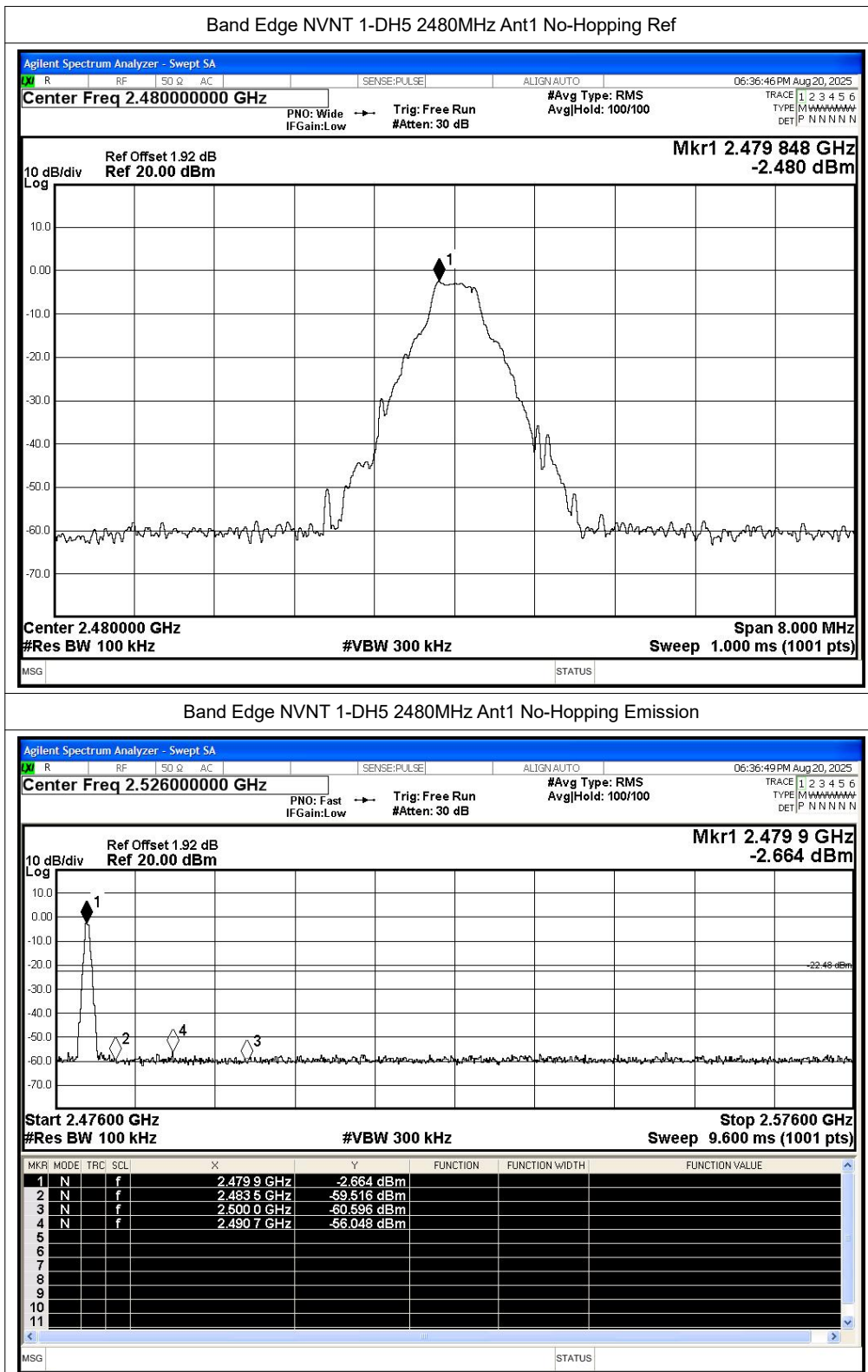
A.6 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-55.19	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-53.57	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.82	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-53.93	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-49.02	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.91	-20	Pass

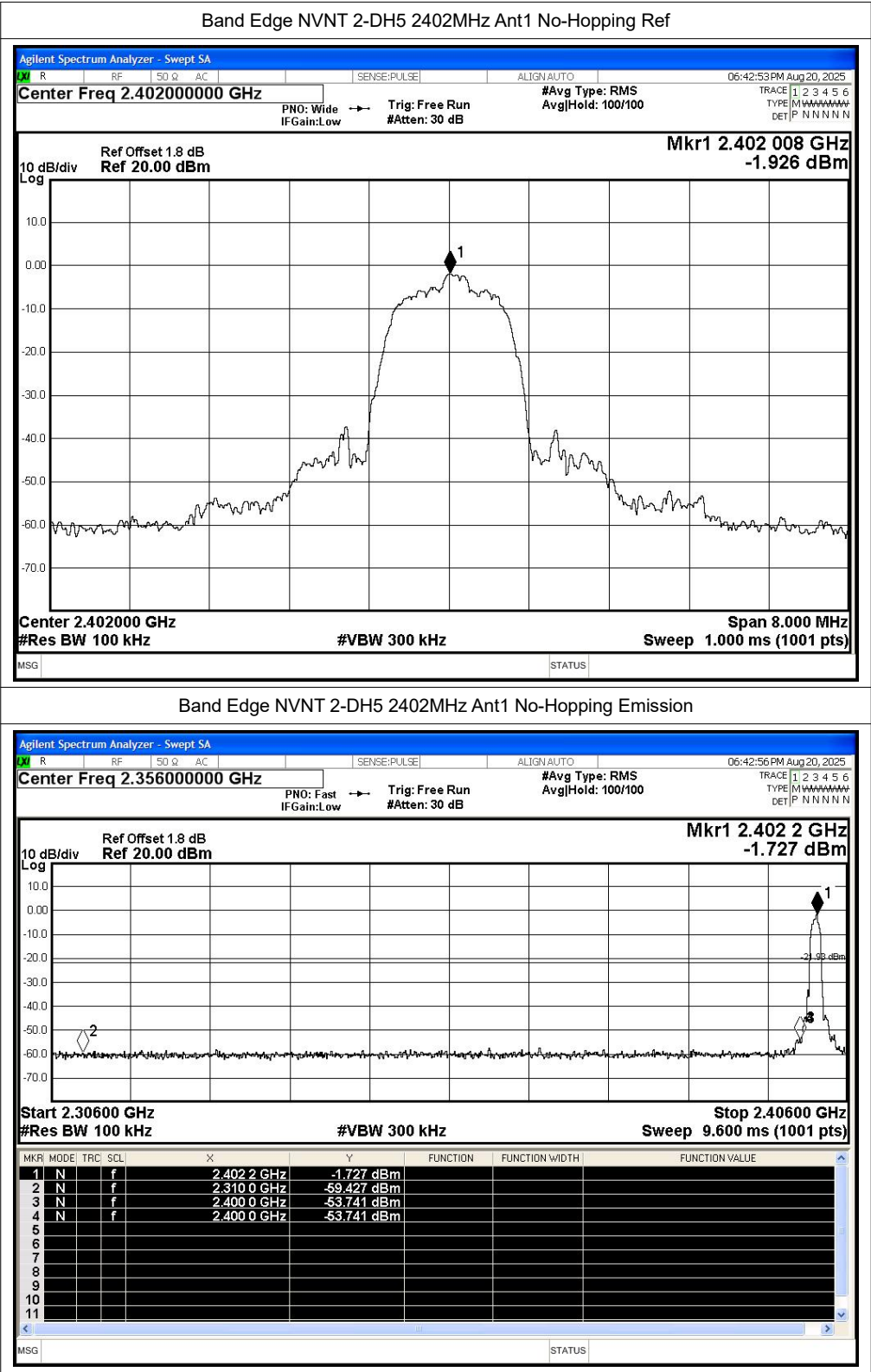
LCSC08015009EA



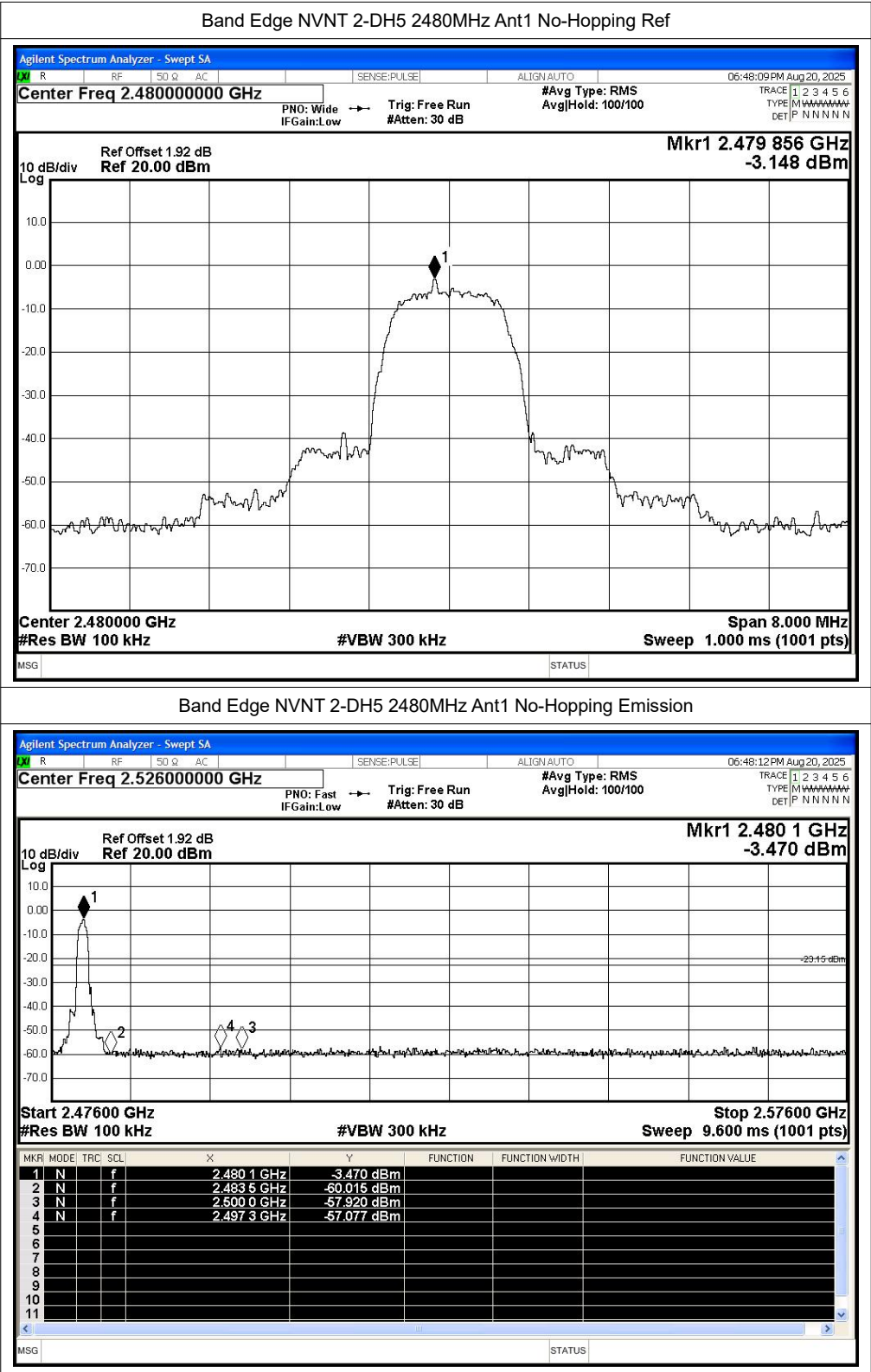
LCSC08015009EA



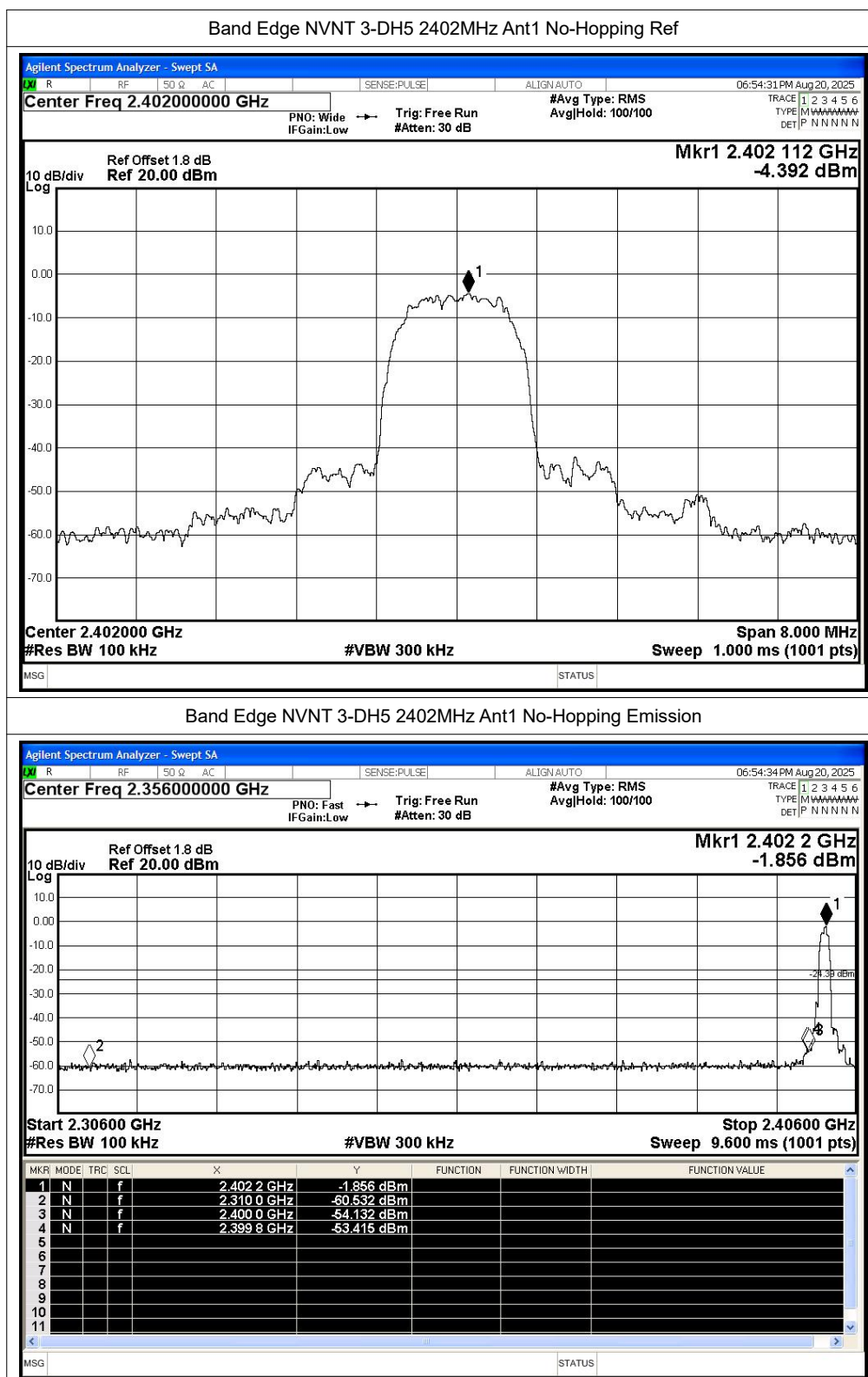
LCSC08015009EA



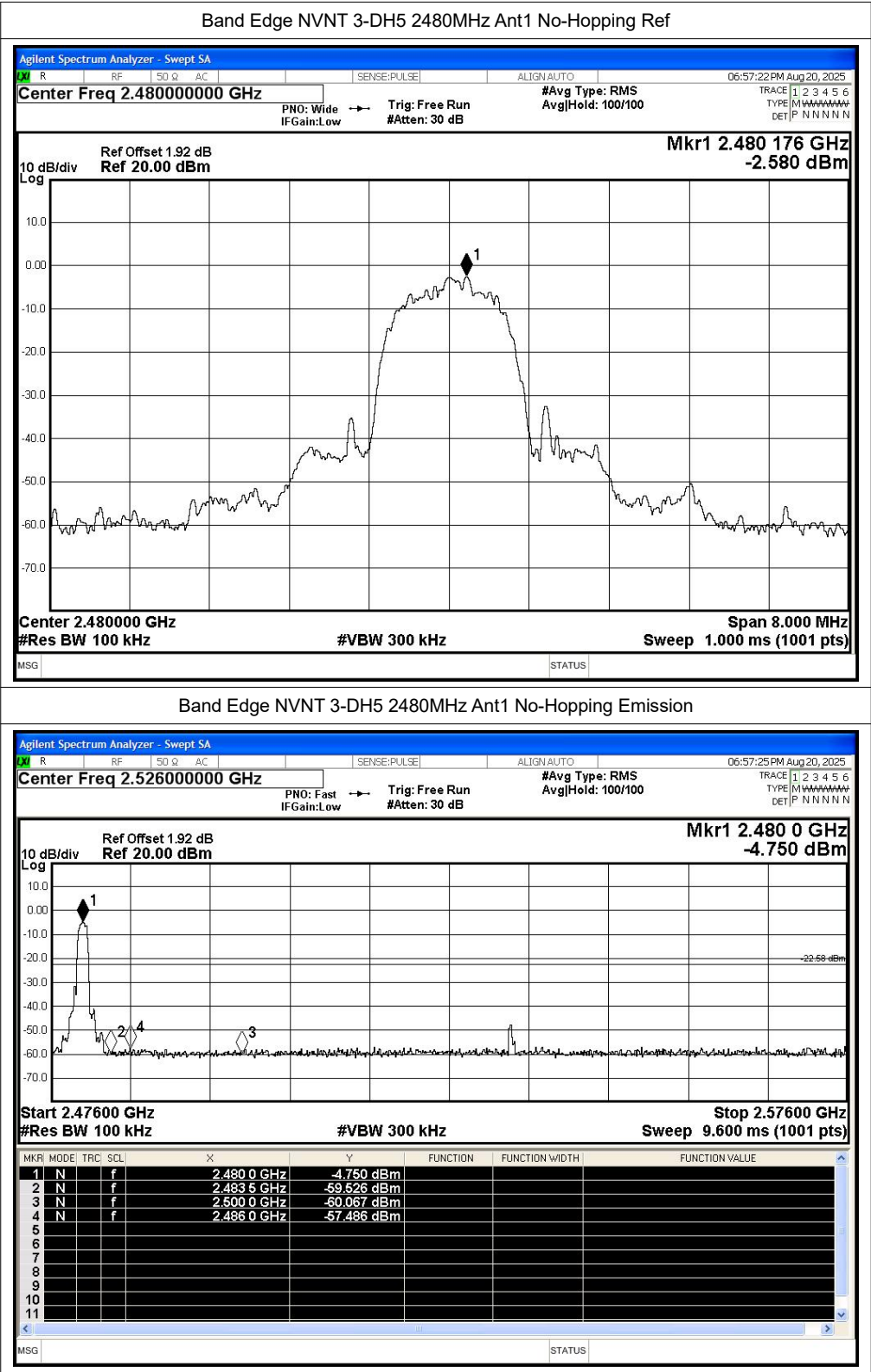
LCSC08015009EA



LCSC08015009EA



LCSC08015009EA



(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-51.47	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-53.78	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-51.42	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.91	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-51.94	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-52.87	-20	Pass