



APPENDIX 1-TEST DATA

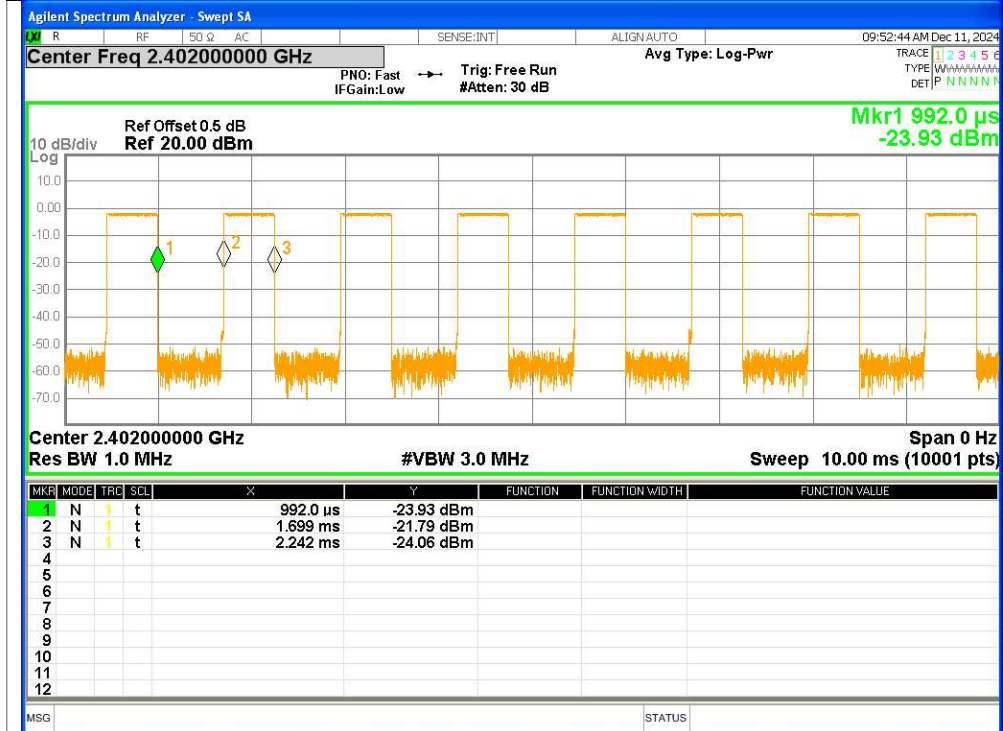
1. Duty Cycle

Condition	Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	43.44	3.62	1.84
NVNT	BLE 1M	2440	43.36	3.63	1.85
NVNT	BLE 1M	2480	43.36	3.63	1.85
NVNT	BLE 2M	2402	46.08	3.36	3.47
NVNT	BLE 2M	2440	45.76	3.4	3.5
NVNT	BLE 2M	2480	45.6	3.41	3.51

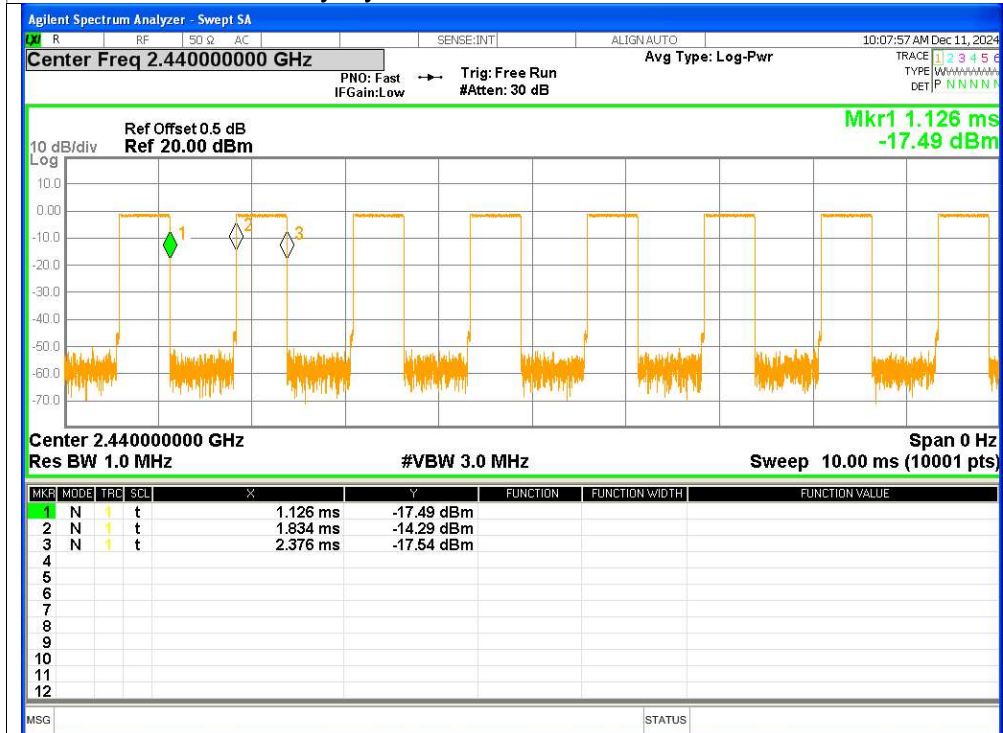


Test Graphs

Duty Cycle NVNT BLE 1M 2402MHz

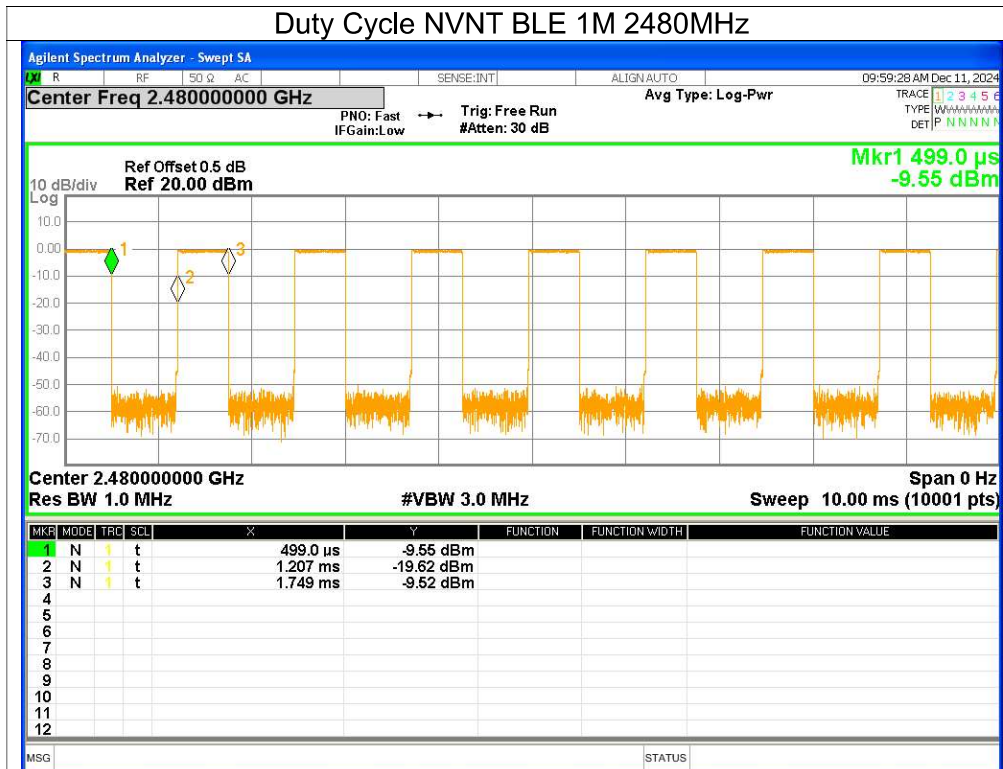


Duty Cycle NVNT BLE 1M 2440MHz

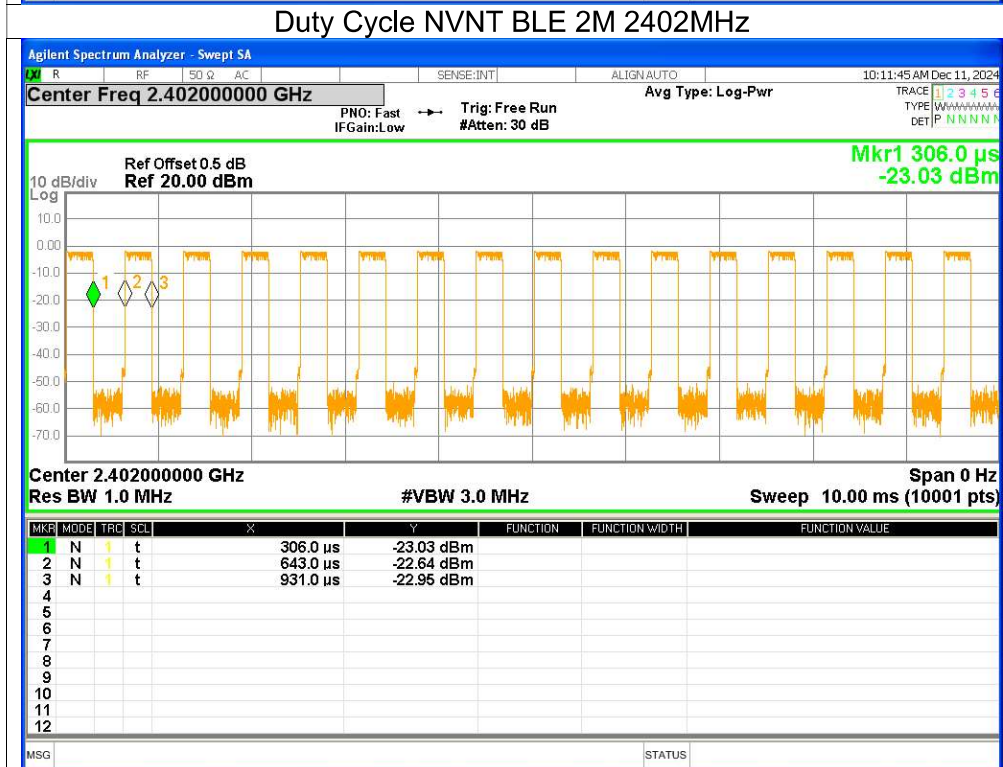




Duty Cycle NVNT BLE 1M 2480MHz

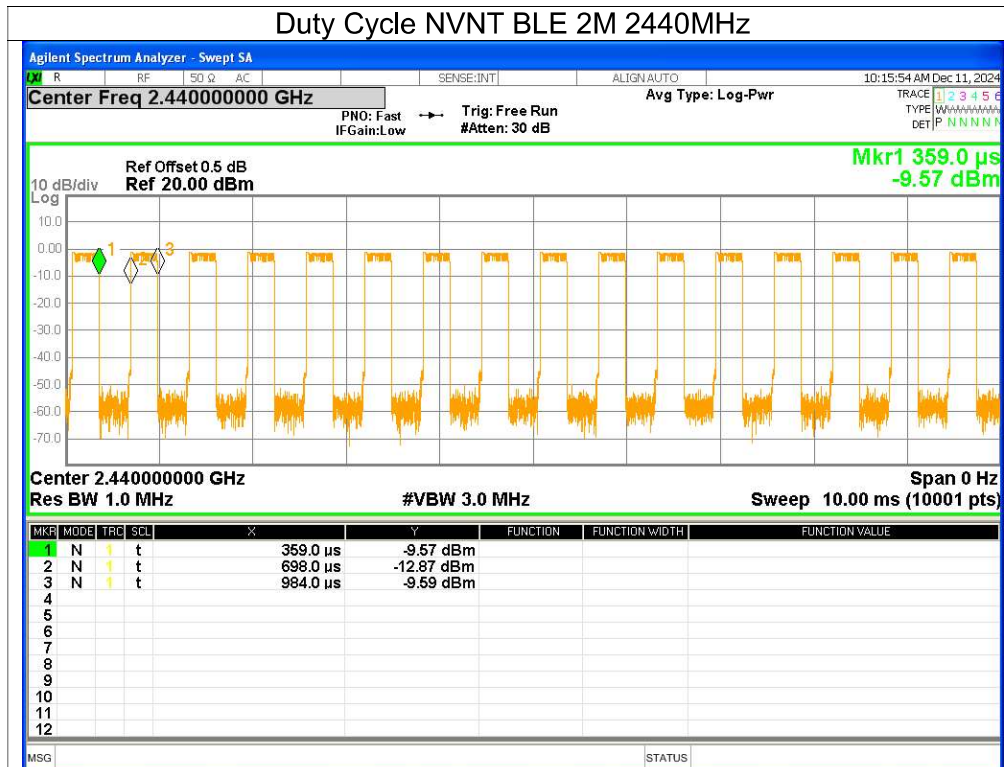


Duty Cycle NVNT BLE 2M 2402MHz

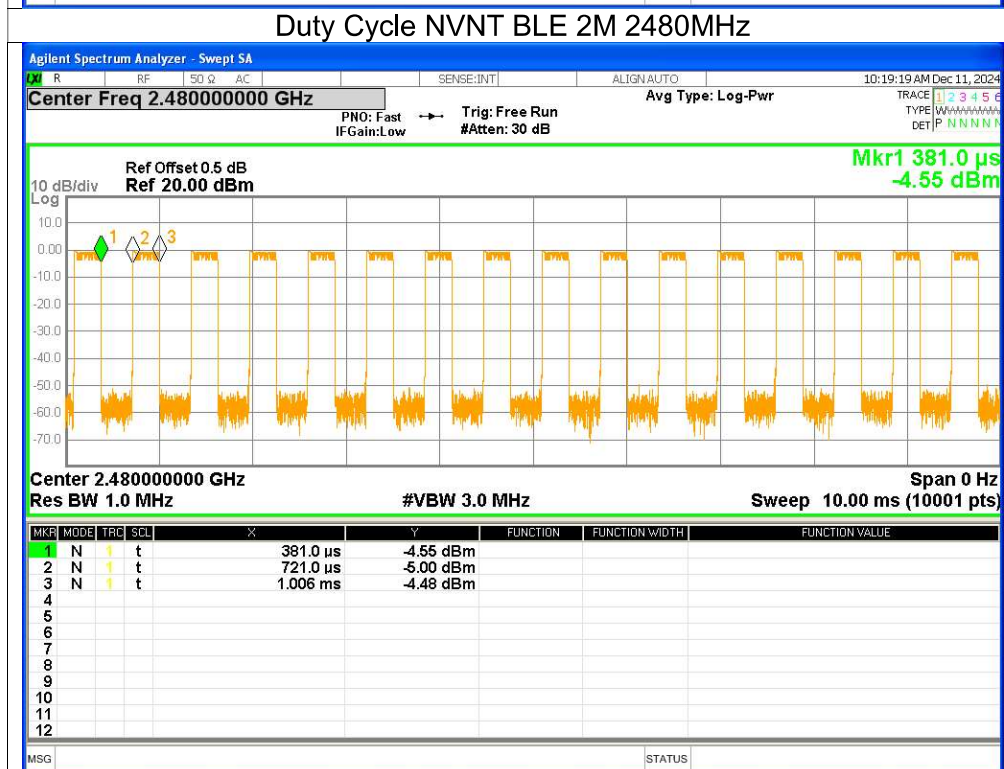




Duty Cycle NVNT BLE 2M 2440MHz



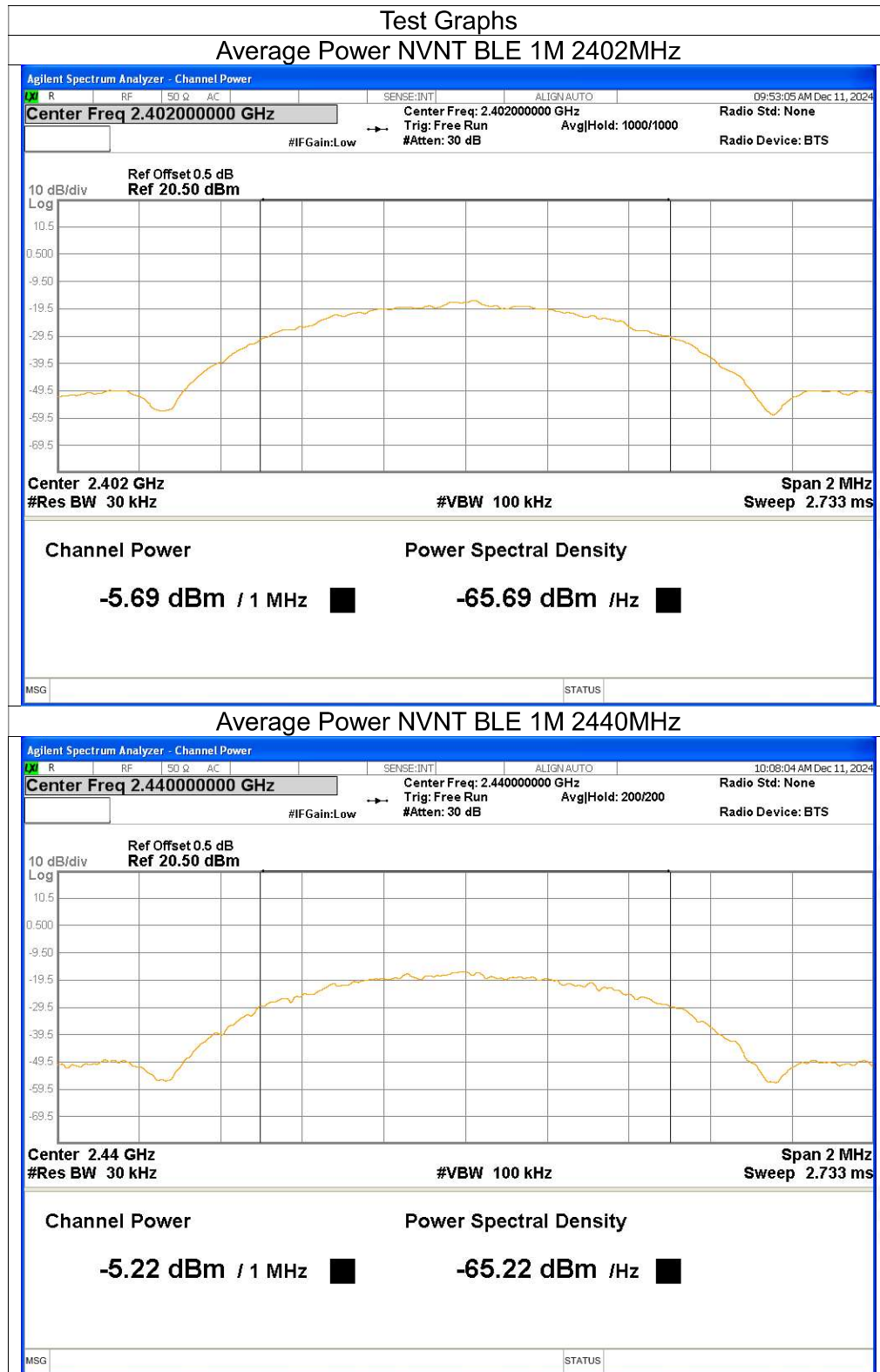
Duty Cycle NVNT BLE 2M 2480MHz

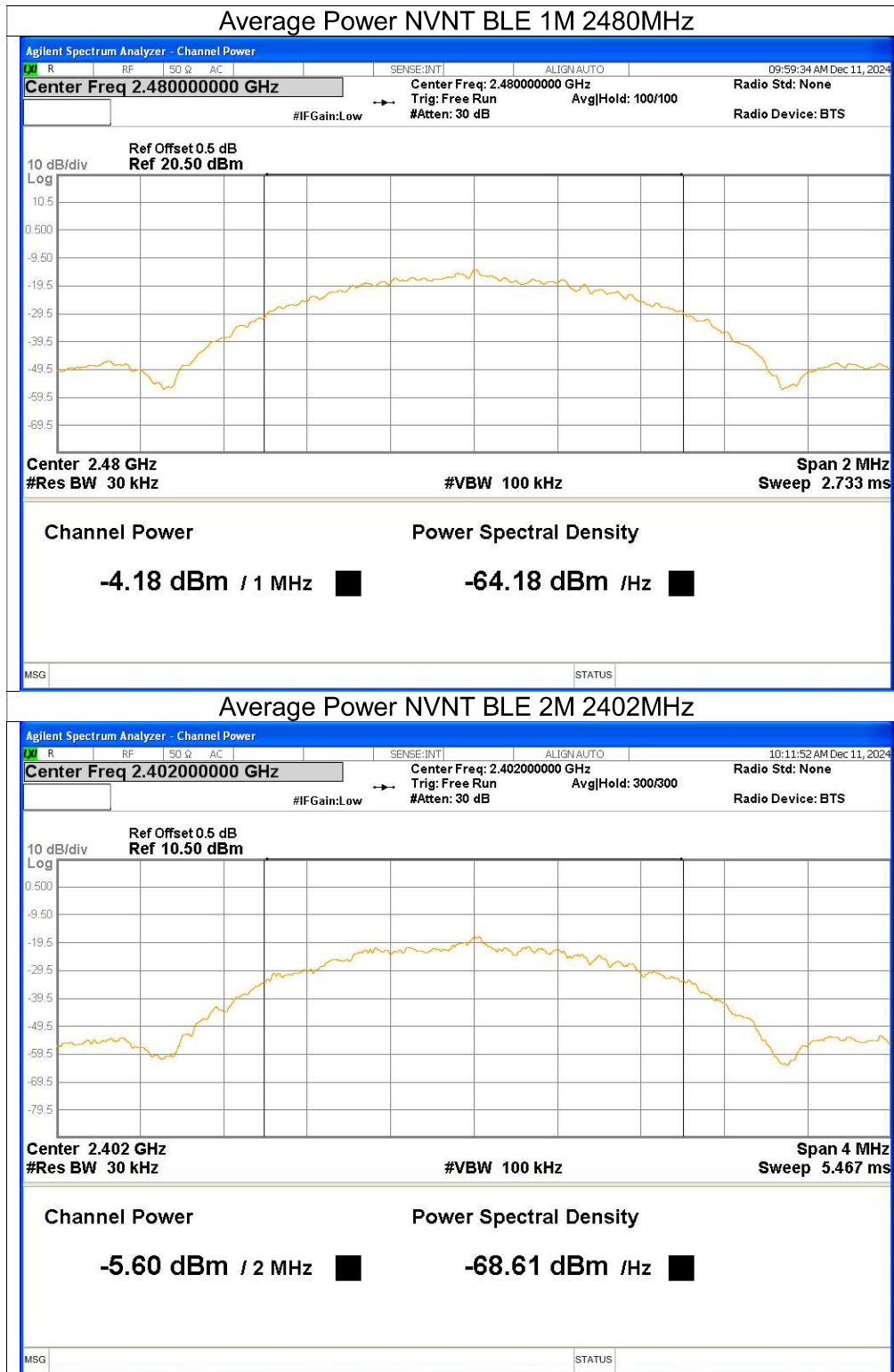


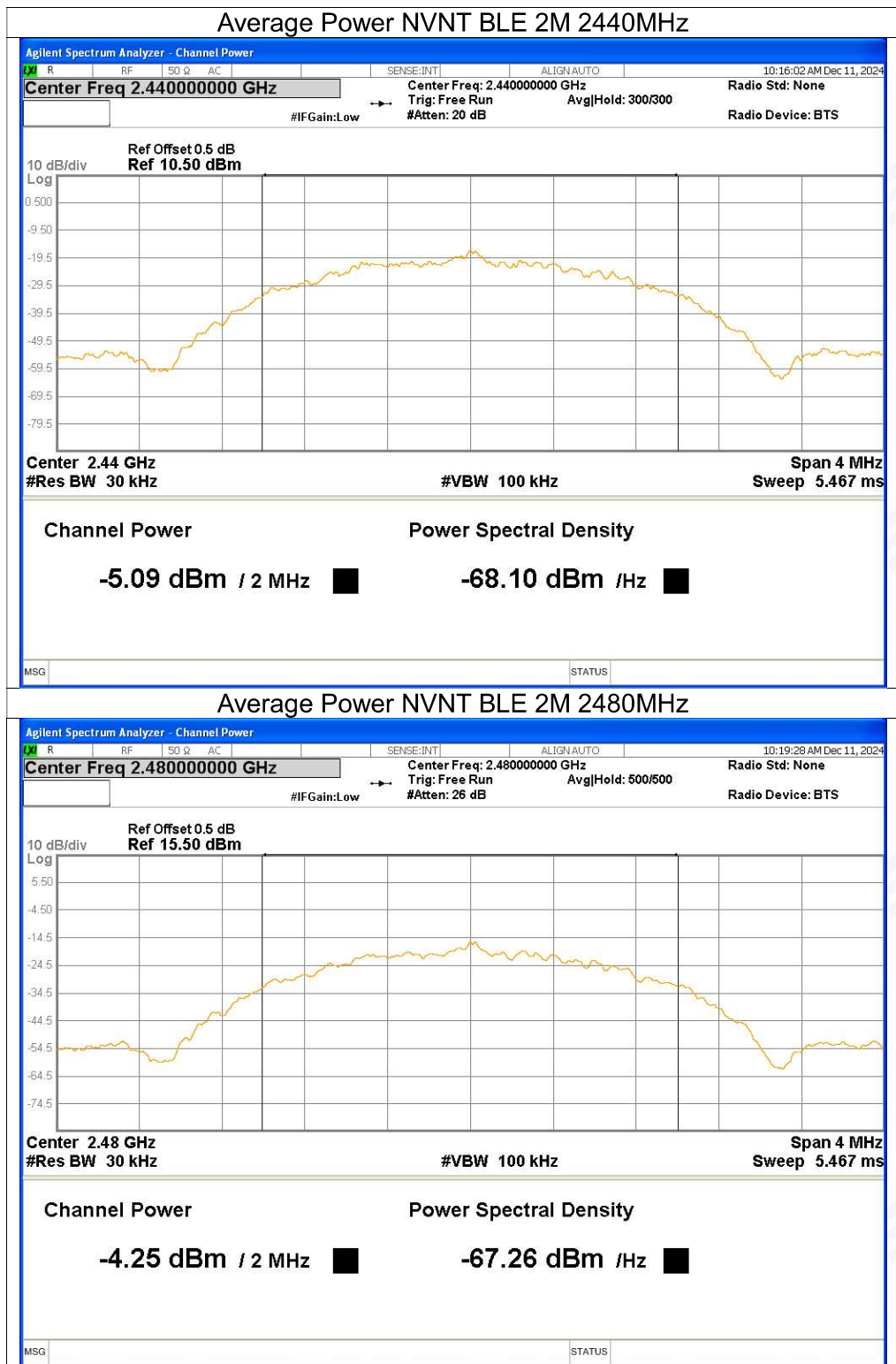


2. Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	-5.69	3.62	-2.07	<=30	Pass
NVNT	BLE 1M	2440	-5.22	3.63	-1.59	<=30	Pass
NVNT	BLE 1M	2480	-4.18	3.63	-0.55	<=30	Pass
NVNT	BLE 2M	2402	-5.6	3.36	-2.24	<=30	Pass
NVNT	BLE 2M	2440	-5.09	3.4	-1.69	<=30	Pass
NVNT	BLE 2M	2480	-4.25	3.41	-0.84	<=30	Pass



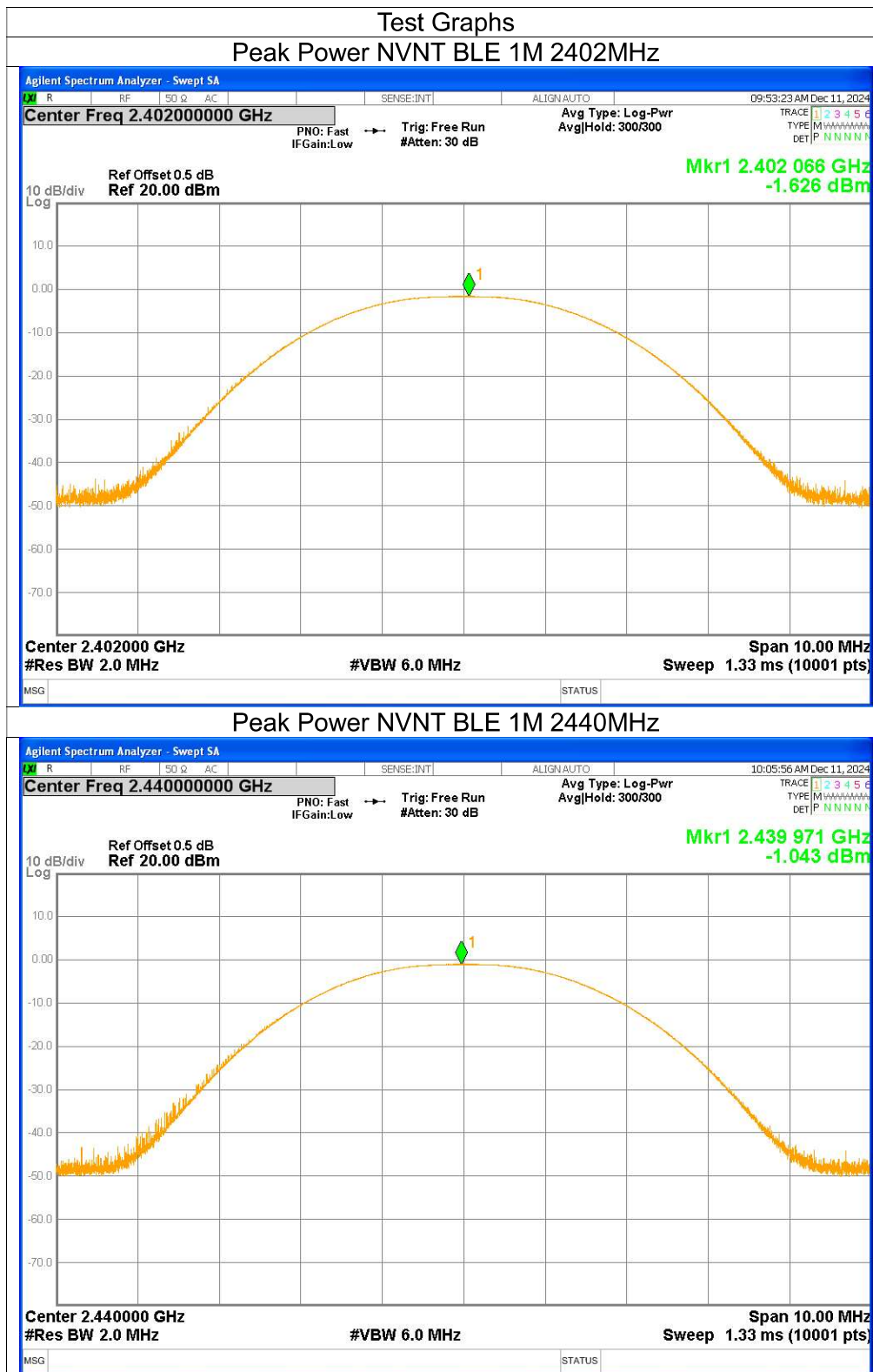






3. Maximum Peak Conducted Output Power

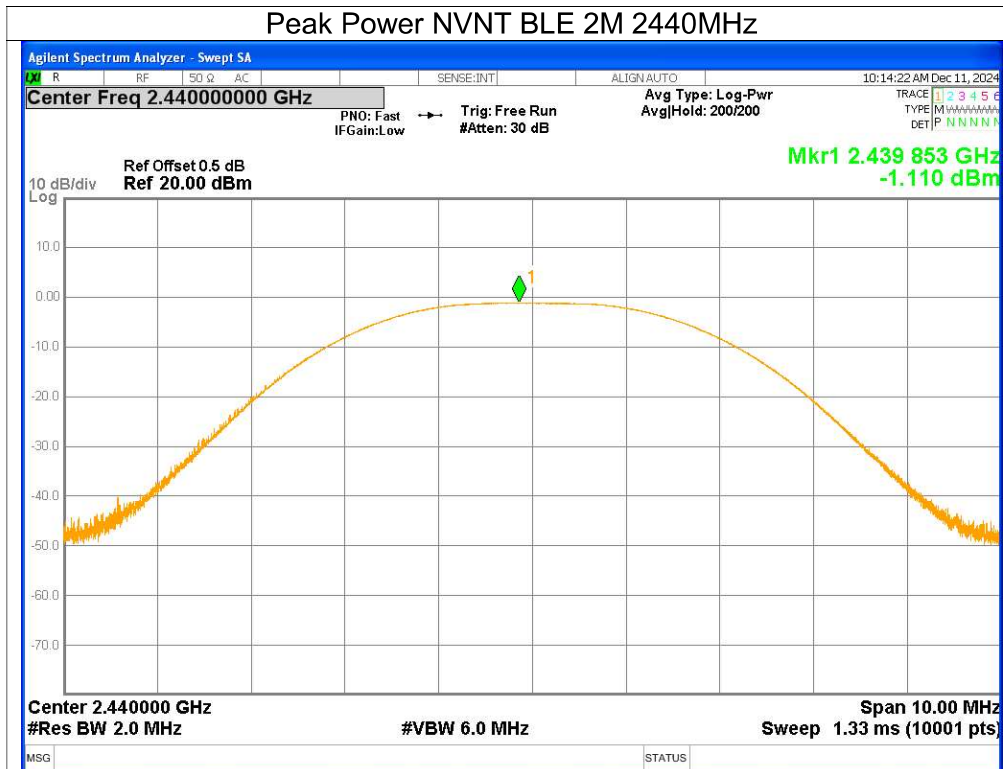
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	-1.63	<=30	Pass
NVNT	BLE 1M	2440	-1.04	<=30	Pass
NVNT	BLE 1M	2480	-0.21	<=30	Pass
NVNT	BLE 2M	2402	-1.69	<=30	Pass
NVNT	BLE 2M	2440	-1.11	<=30	Pass
NVNT	BLE 2M	2480	-0.31	<=30	Pass



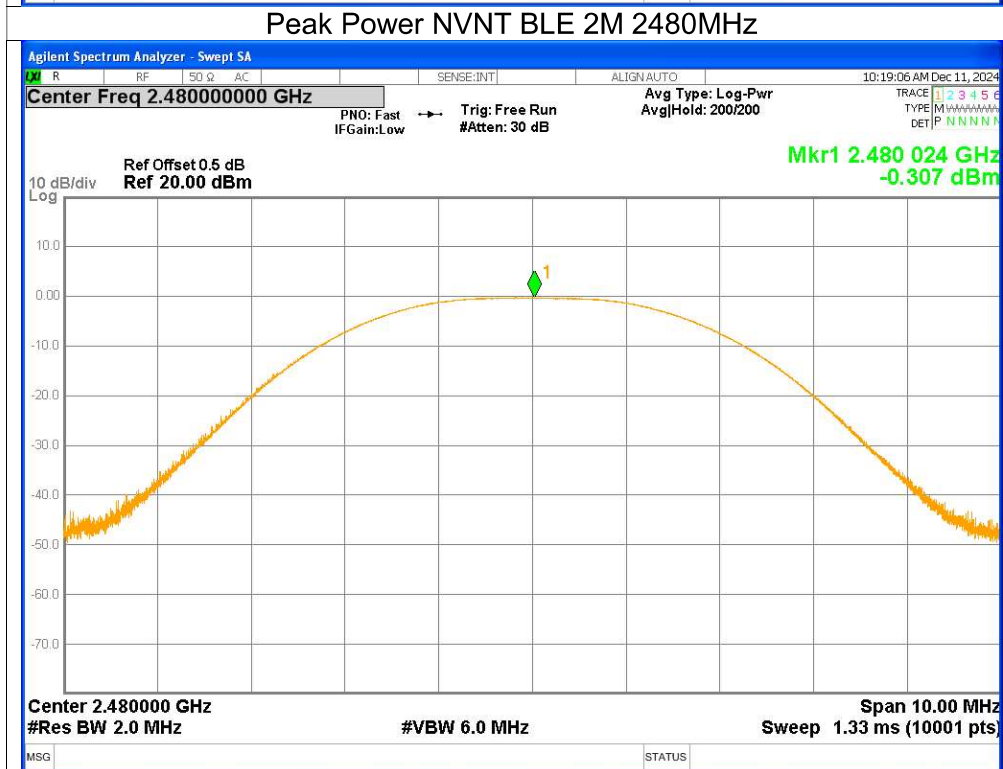




Peak Power NVNT BLE 2M 2440MHz



Peak Power NVNT BLE 2M 2480MHz

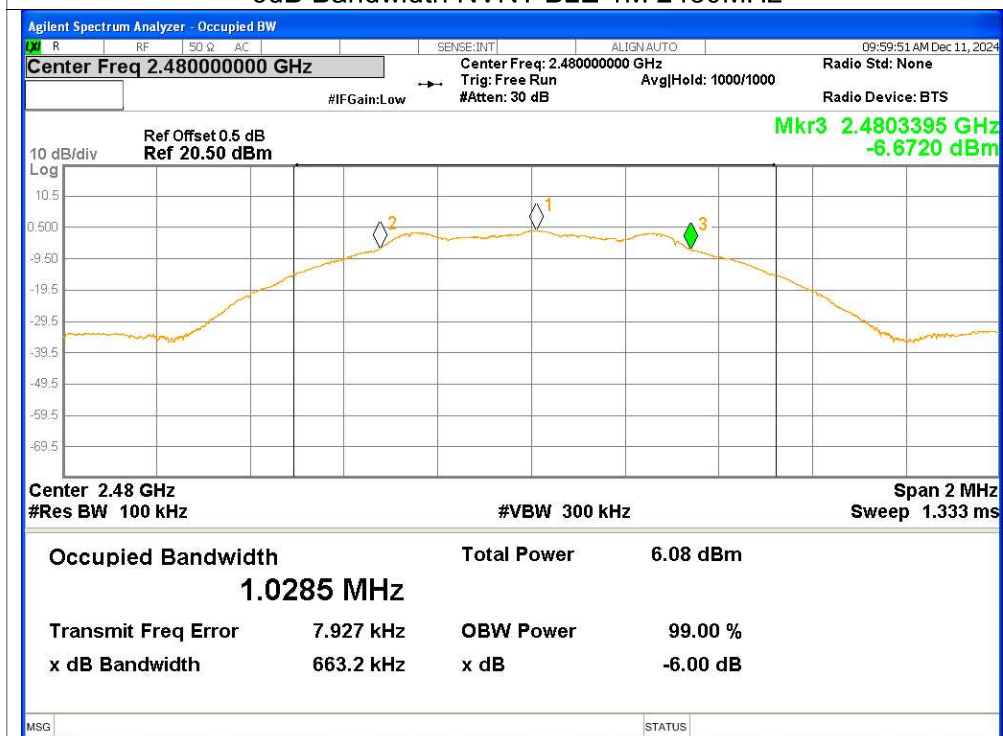


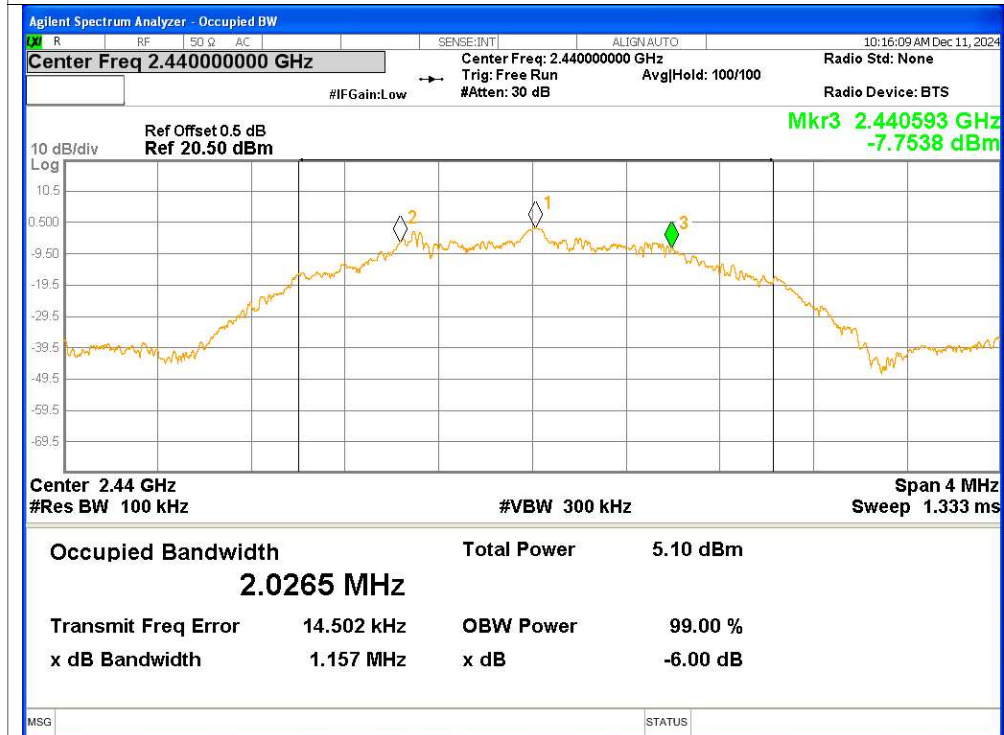
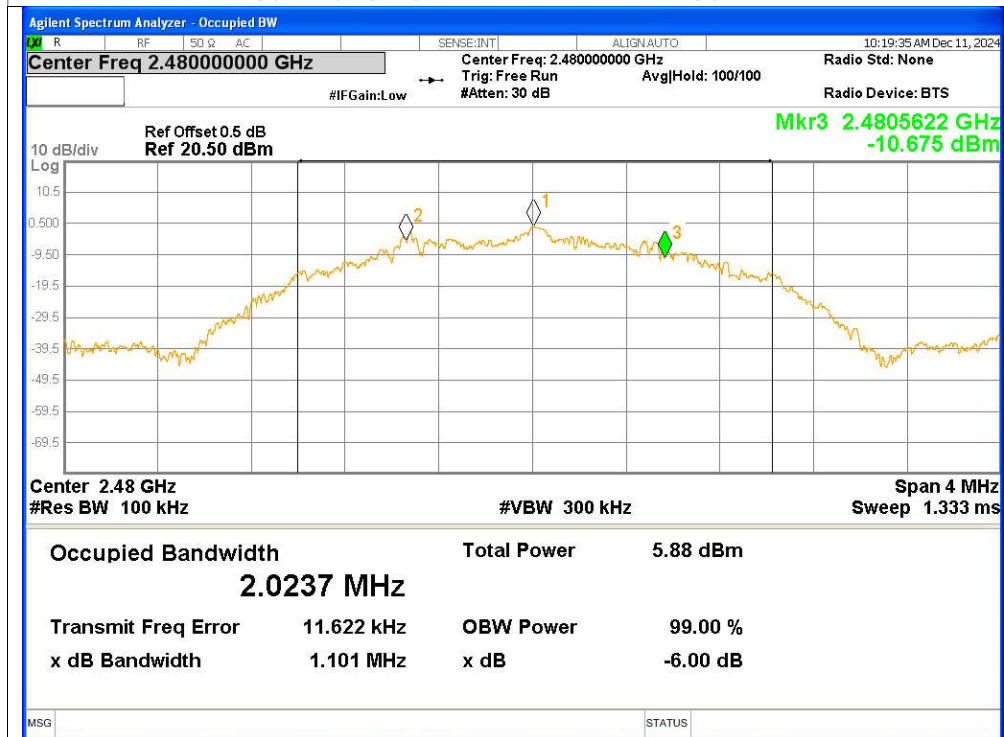


4. -6dB Bandwidth

Condition	Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	0.658	≥ 0.5	Pass
NVNT	BLE 1M	2440	0.6546	≥ 0.5	Pass
NVNT	BLE 1M	2480	0.6632	≥ 0.5	Pass
NVNT	BLE 2M	2402	1.158	≥ 0.5	Pass
NVNT	BLE 2M	2440	1.157	≥ 0.5	Pass
NVNT	BLE 2M	2480	1.1011	≥ 0.5	Pass



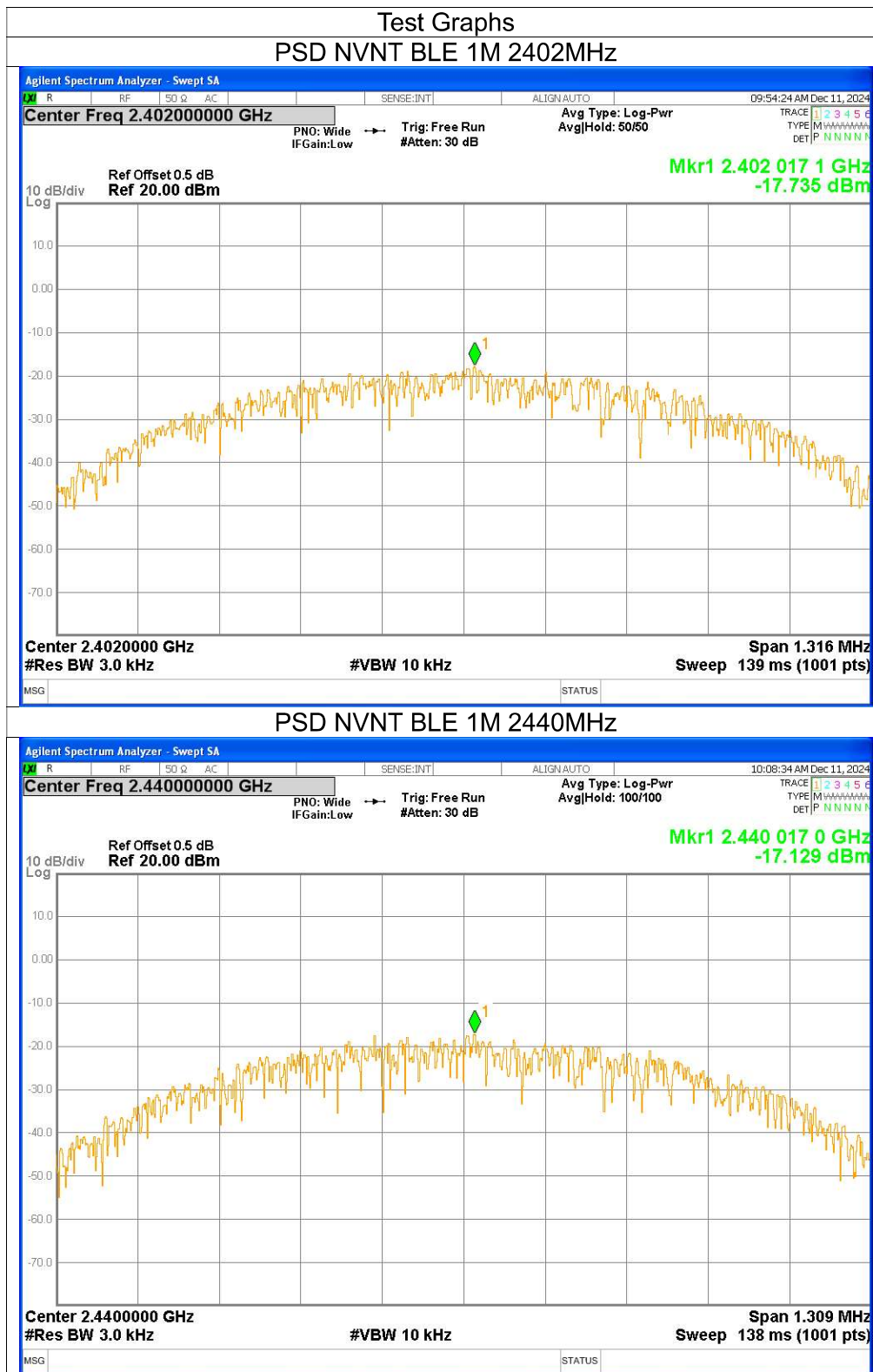
**-6dB Bandwidth NVNT BLE 1M 2480MHz****-6dB Bandwidth NVNT BLE 2M 2402MHz**

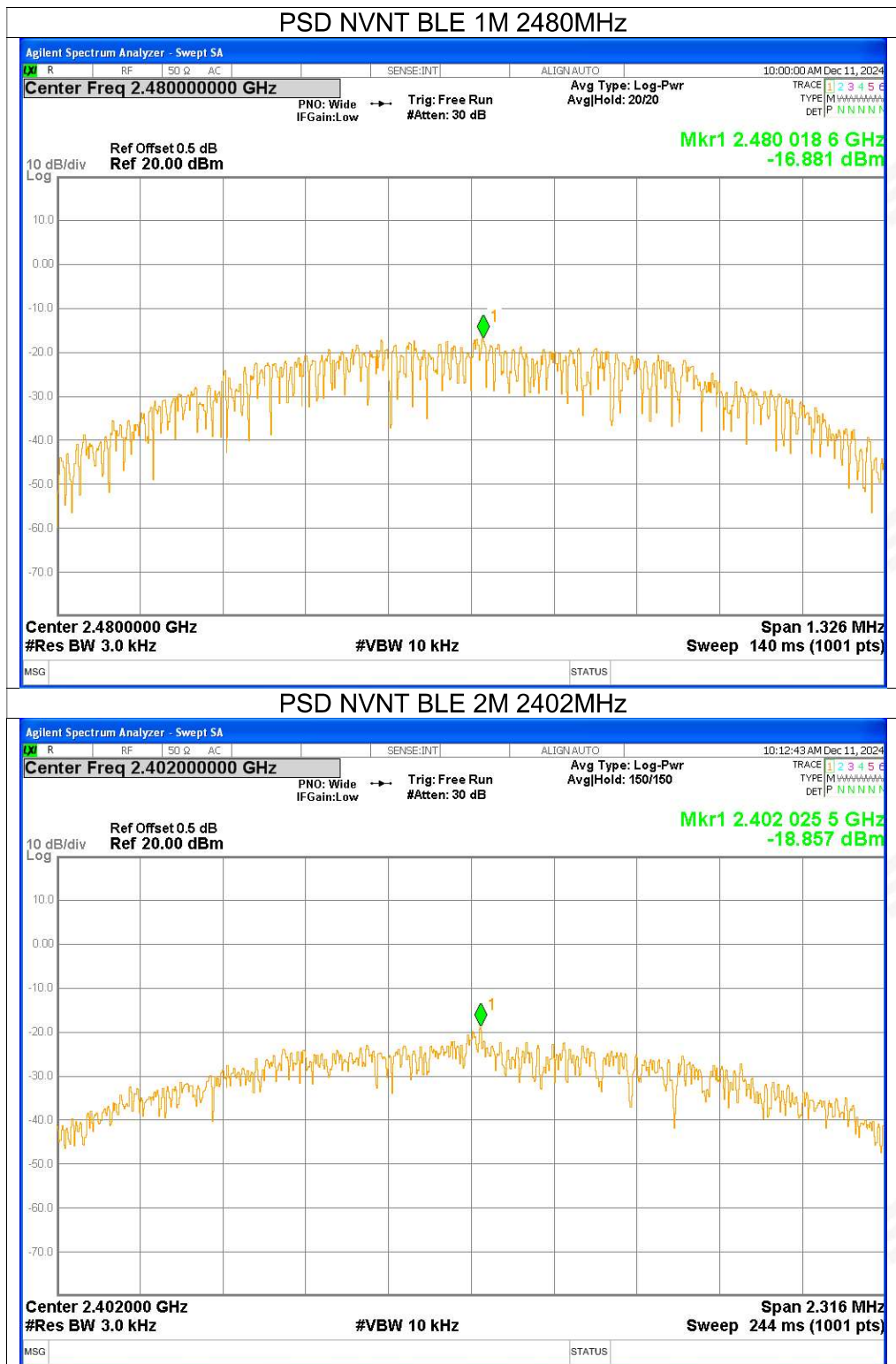
**-6dB Bandwidth NVNT BLE 2M 2440MHz****-6dB Bandwidth NVNT BLE 2M 2480MHz**



5. Maximum Power Spectral Density Level

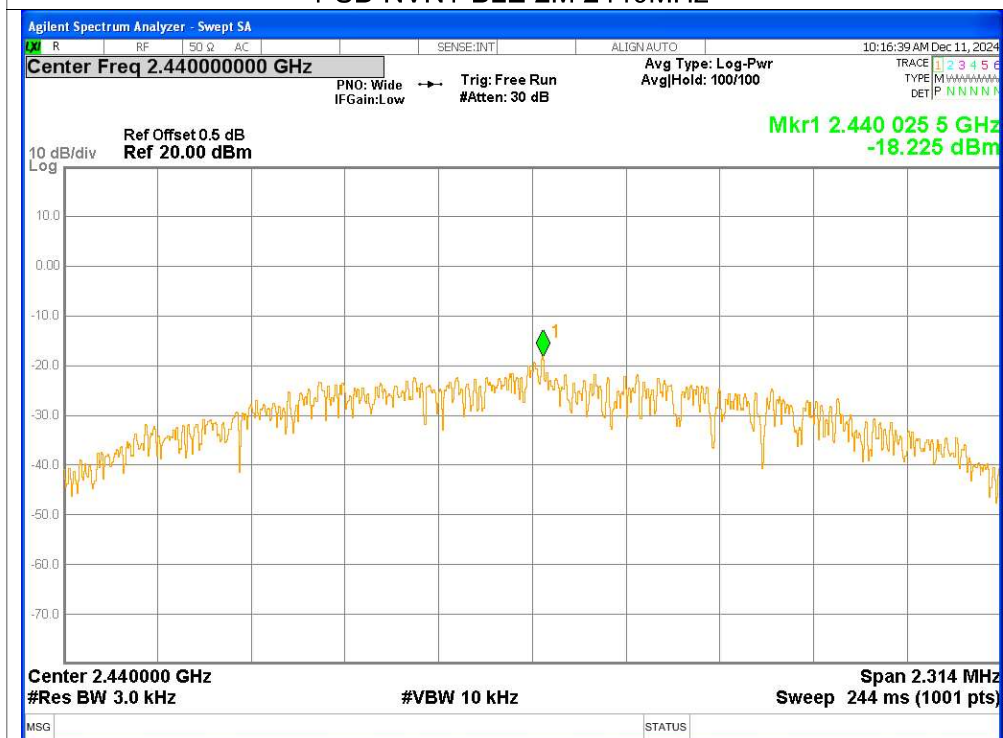
Condition	Mode	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	-17.74	≤ 8	Pass
NVNT	BLE 1M	2440	-17.13	≤ 8	Pass
NVNT	BLE 1M	2480	-16.88	≤ 8	Pass
NVNT	BLE 2M	2402	-18.86	≤ 8	Pass
NVNT	BLE 2M	2440	-18.23	≤ 8	Pass
NVNT	BLE 2M	2480	-17.4	≤ 8	Pass







PSD NVNT BLE 2M 2440MHz



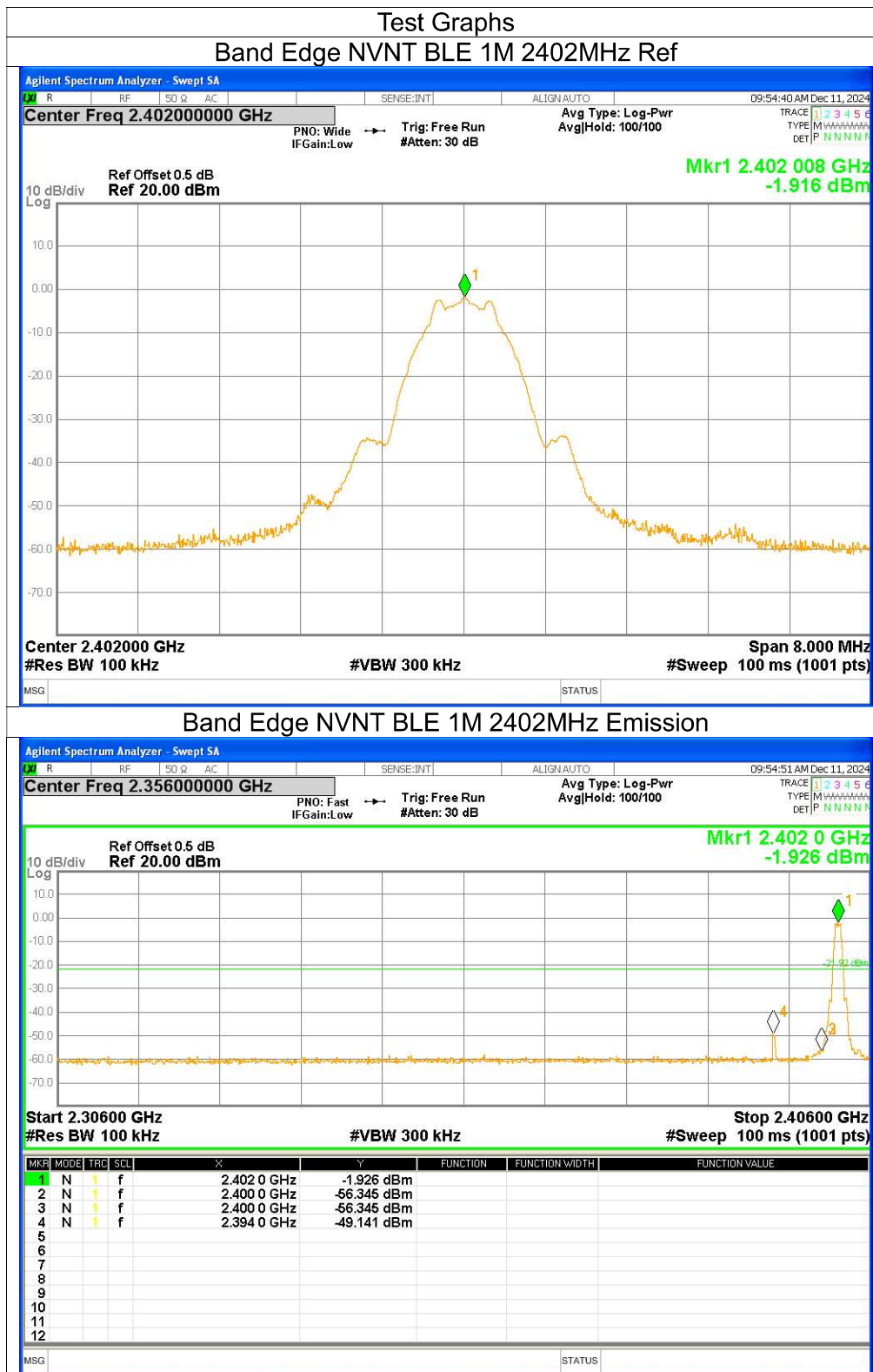
PSD NVNT BLE 2M 2480MHz





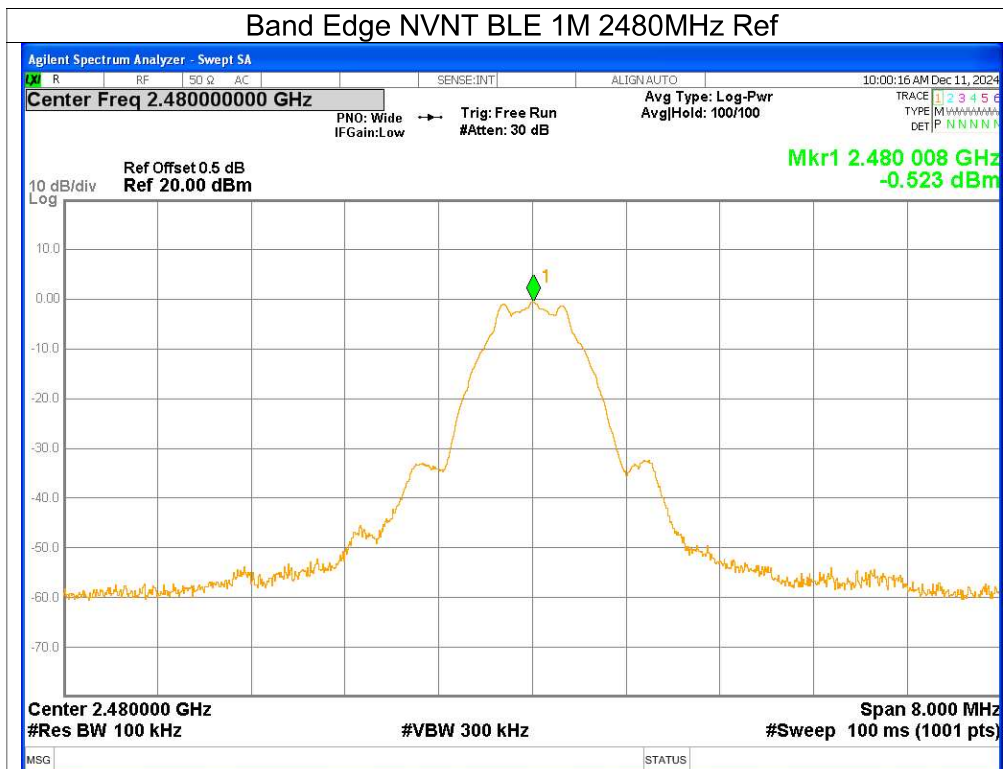
6. Band Edge

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	-47.22	<=-20	Pass
NVNT	BLE 1M	2480	-56.5	<=-20	Pass
NVNT	BLE 2M	2402	-36.42	<=-20	Pass
NVNT	BLE 2M	2480	-57.08	<=-20	Pass

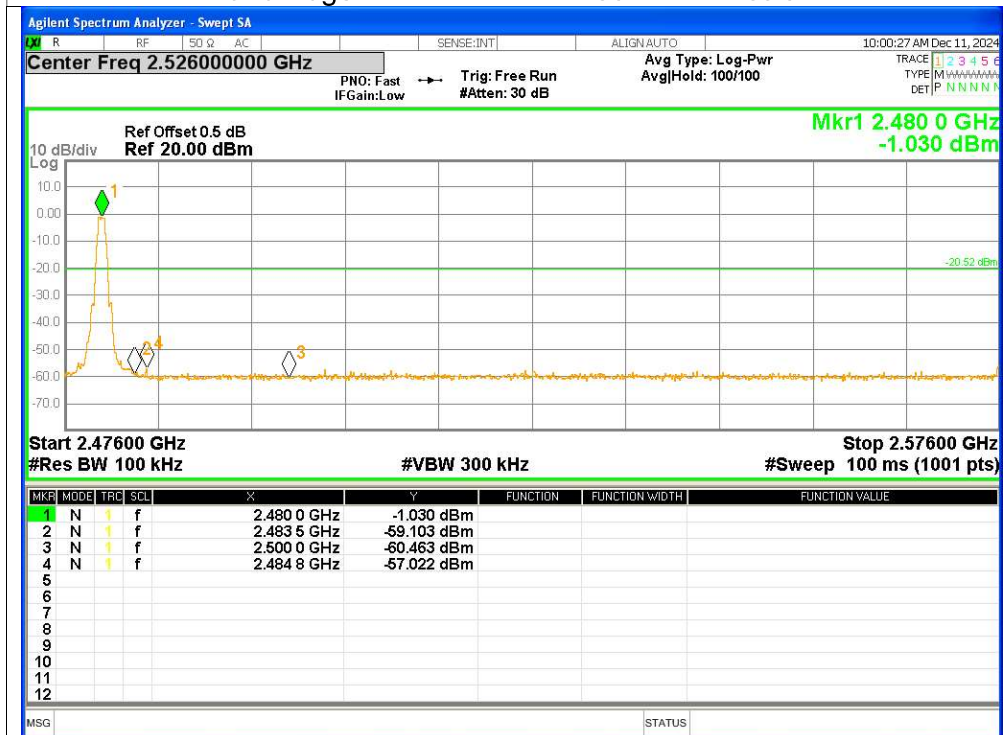




Band Edge NVNT BLE 1M 2480MHz Ref



Band Edge NVNT BLE 1M 2480MHz Emission

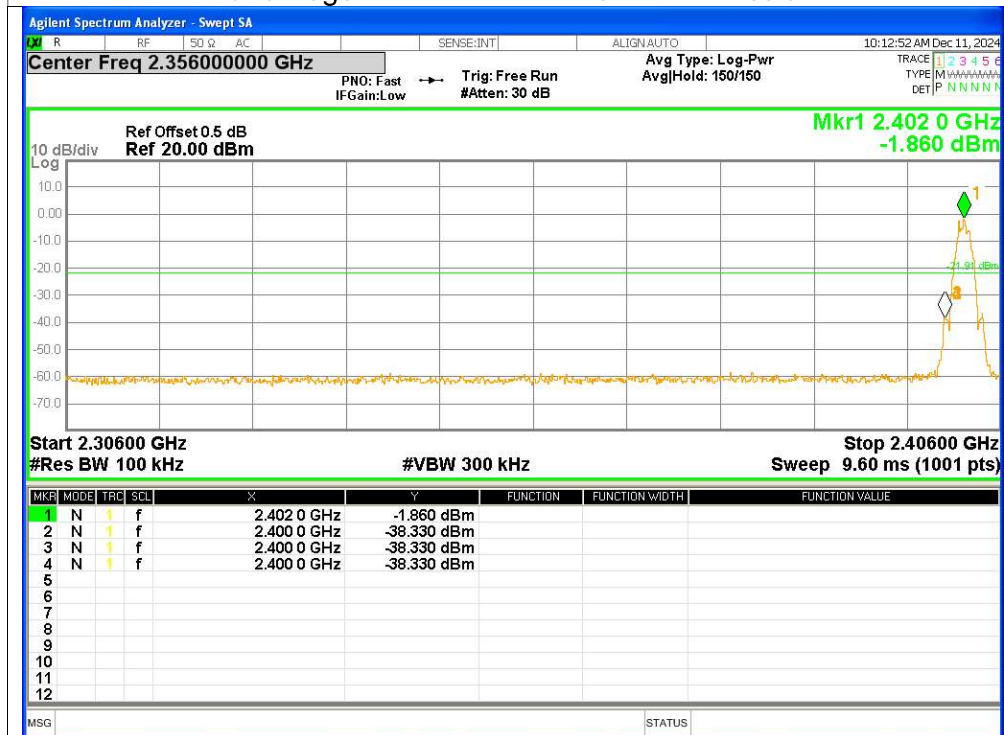




Band Edge NVNT BLE 2M 2402MHz Ref



Band Edge NVNT BLE 2M 2402MHz Emission

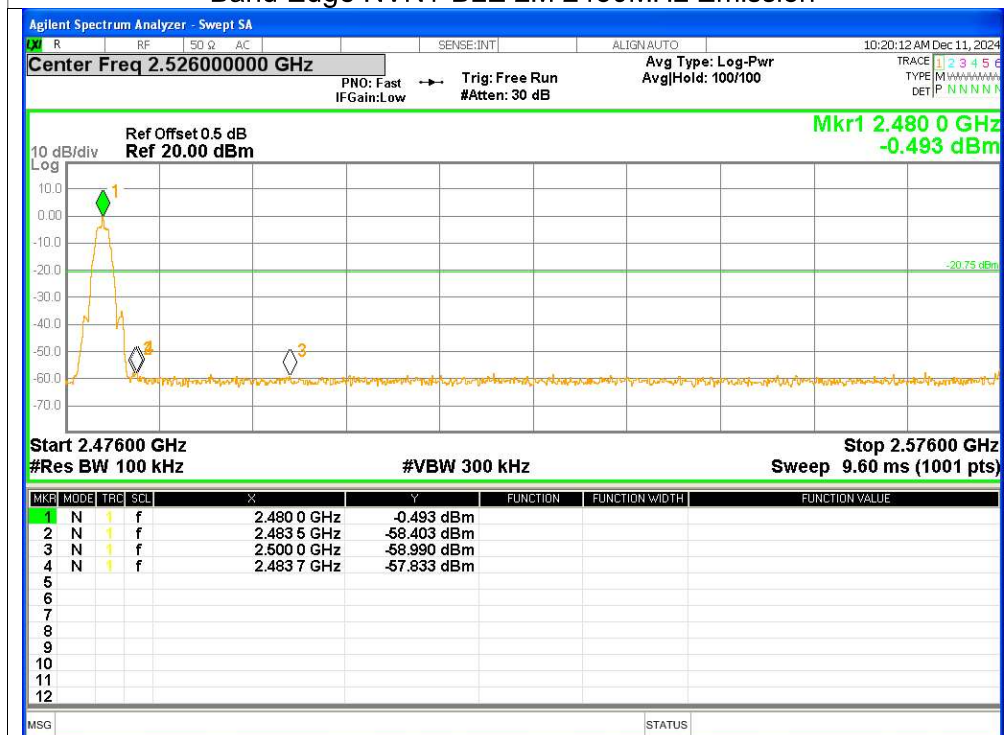




Band Edge NVNT BLE 2M 2480MHz Ref



Band Edge NVNT BLE 2M 2480MHz Emission





7. Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	-38.35	<=-20	Pass
NVNT	BLE 1M	2440	-39.36	<=-20	Pass
NVNT	BLE 1M	2480	-41.3	<=-20	Pass
NVNT	BLE 2M	2402	-42.22	<=-20	Pass
NVNT	BLE 2M	2440	-38.14	<=-20	Pass
NVNT	BLE 2M	2480	-43.12	<=-20	Pass

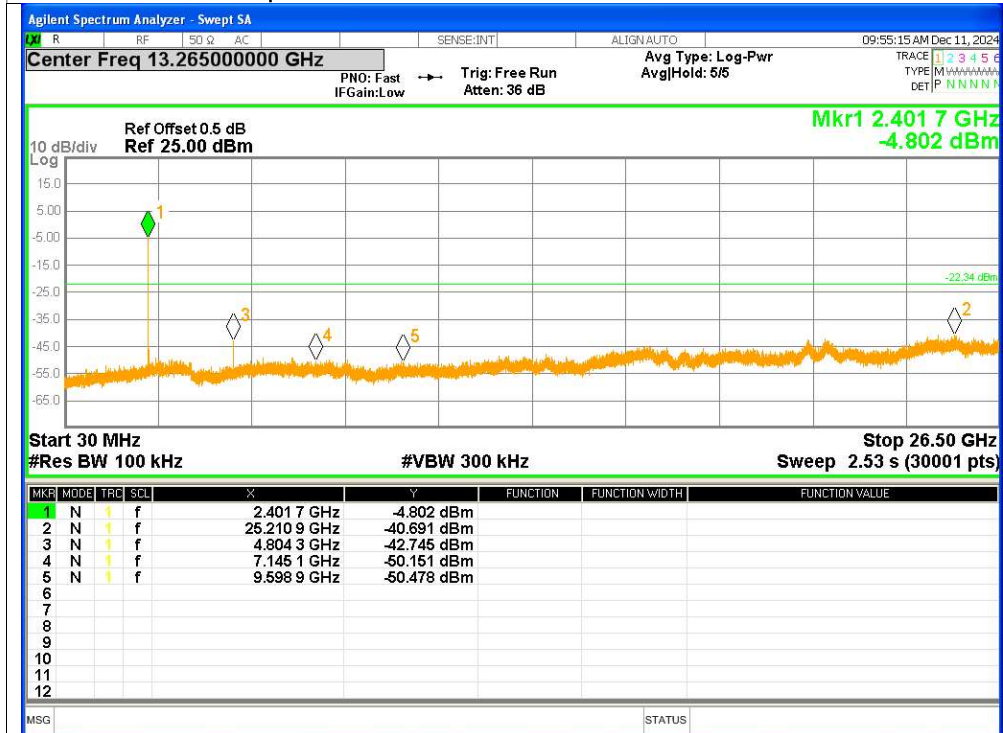


Test Graphs

Tx. Spurious NVNT BLE 1M 2402MHz Ref



Tx. Spurious NVNT BLE 1M 2402MHz Emission

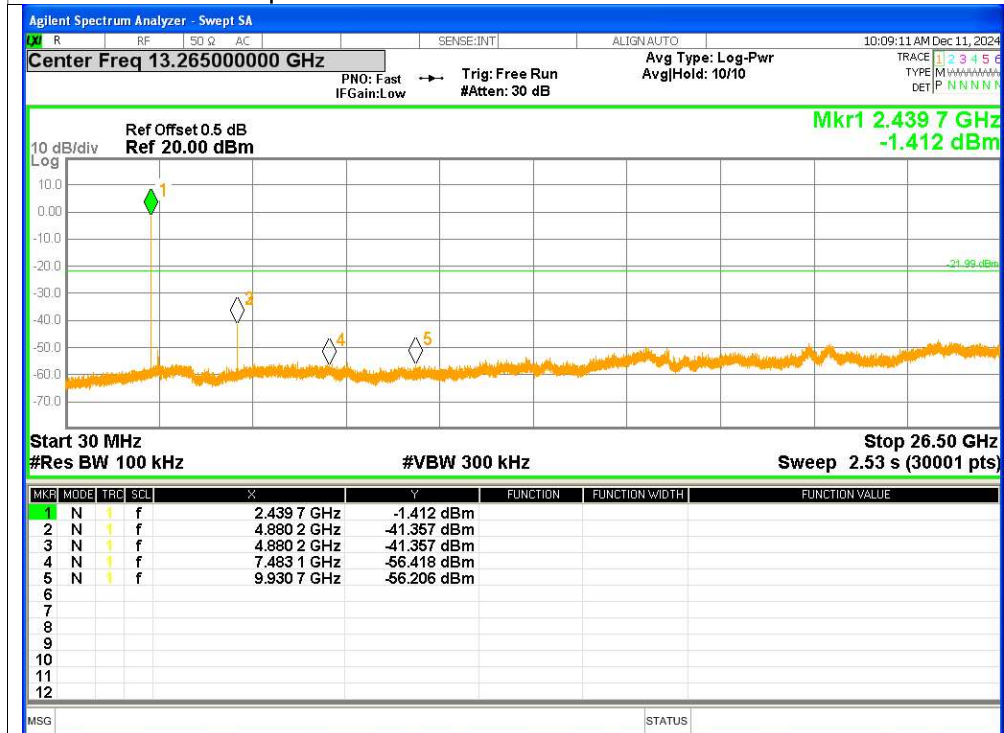




Tx. Spurious NVNT BLE 1M 2440MHz Ref

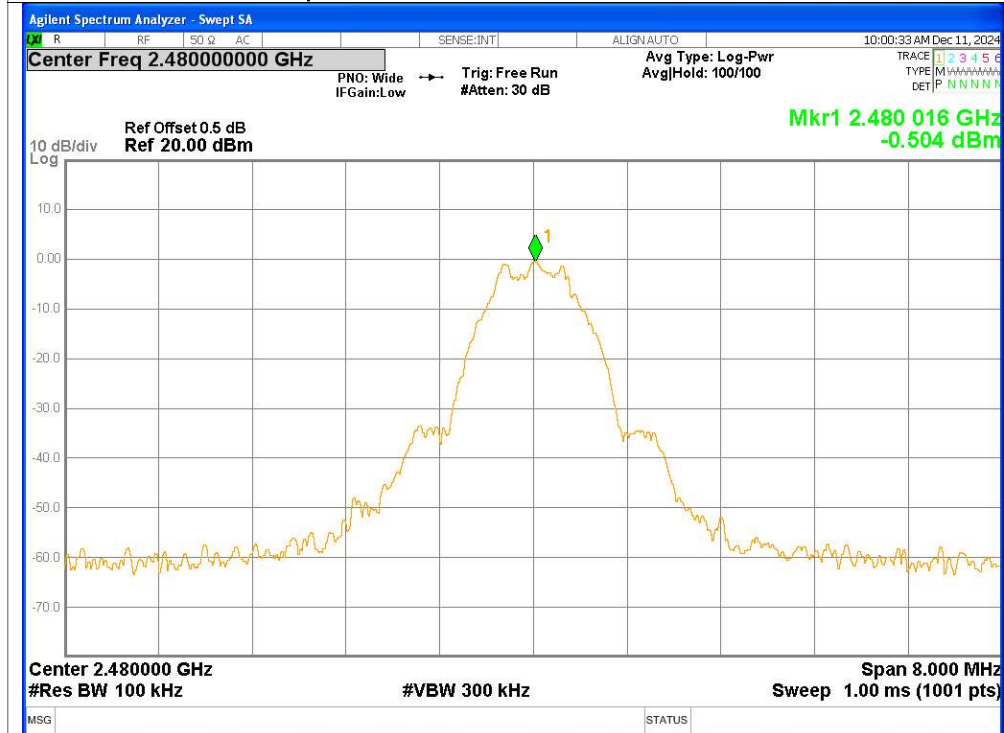


Tx. Spurious NVNT BLE 1M 2440MHz Emission

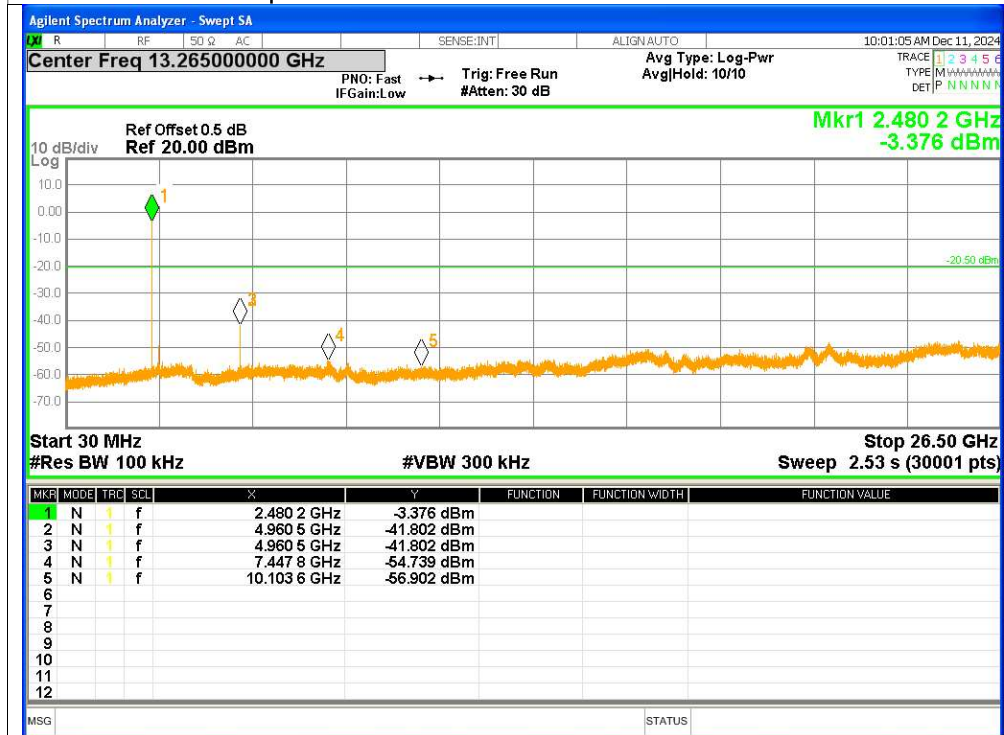




Tx. Spurious NVNT BLE 1M 2480MHz Ref

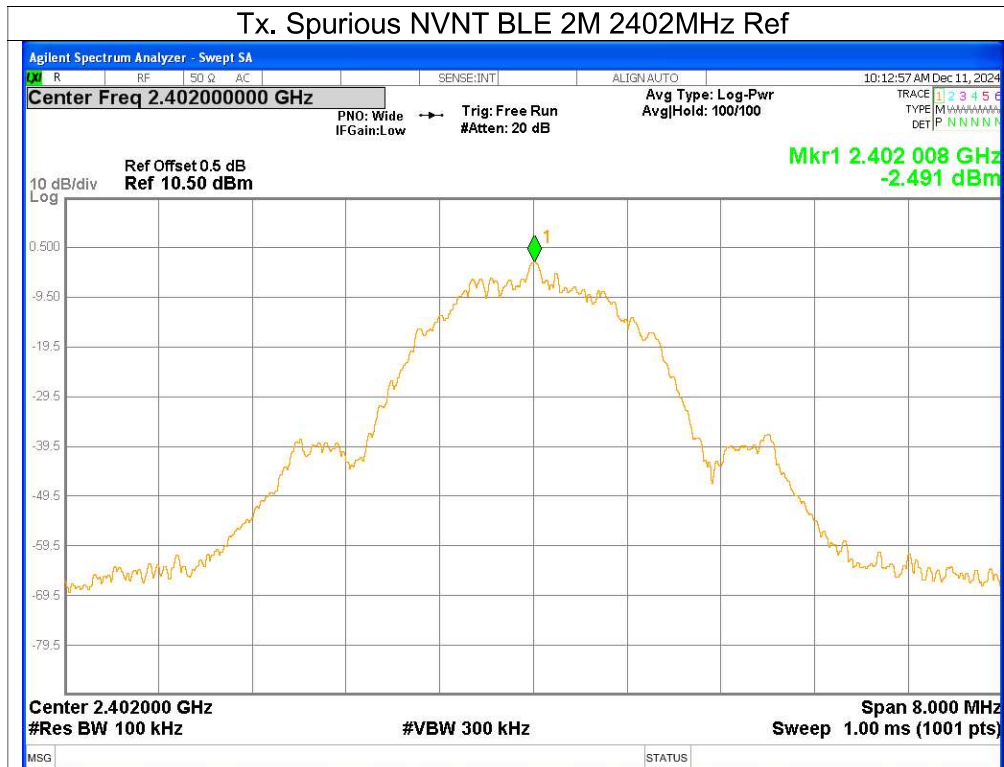


Tx. Spurious NVNT BLE 1M 2480MHz Emission

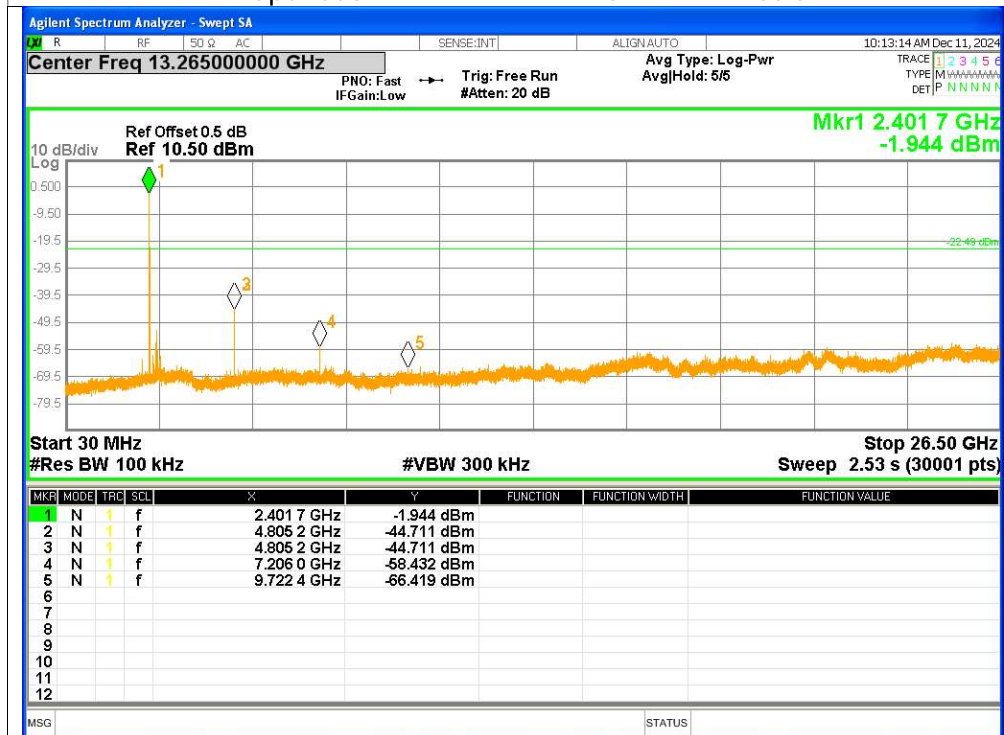




Tx. Spurious NVNT BLE 2M 2402MHz Ref



Tx. Spurious NVNT BLE 2M 2402MHz Emission

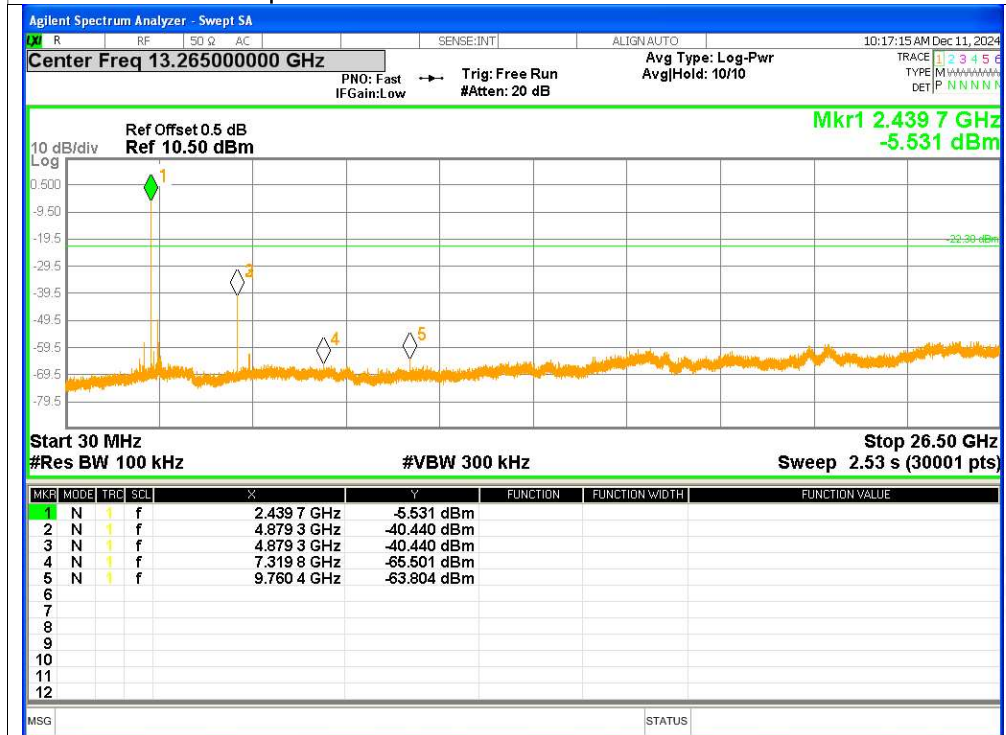




Tx. Spurious NVNT BLE 2M 2440MHz Ref



Tx. Spurious NVNT BLE 2M 2440MHz Emission

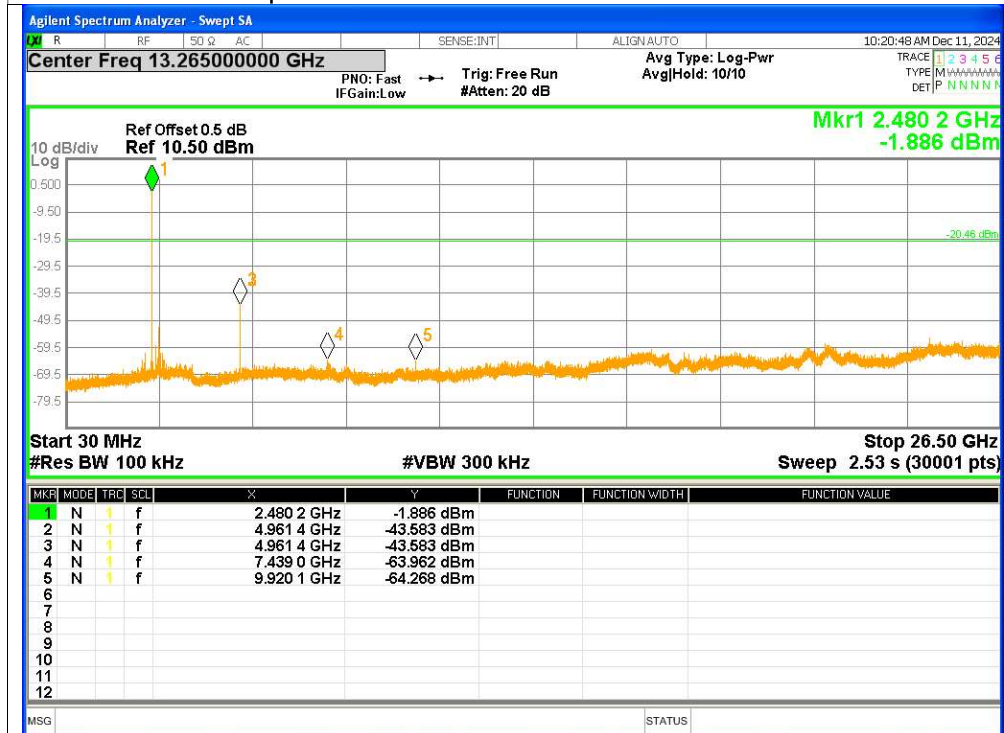




Tx. Spurious NVNT BLE 2M 2480MHz Ref



Tx. Spurious NVNT BLE 2M 2480MHz Emission





APPENDIX 2- EUT TEST PHOTO

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

*****END OF THE REPORT*****