

7 Appendix A

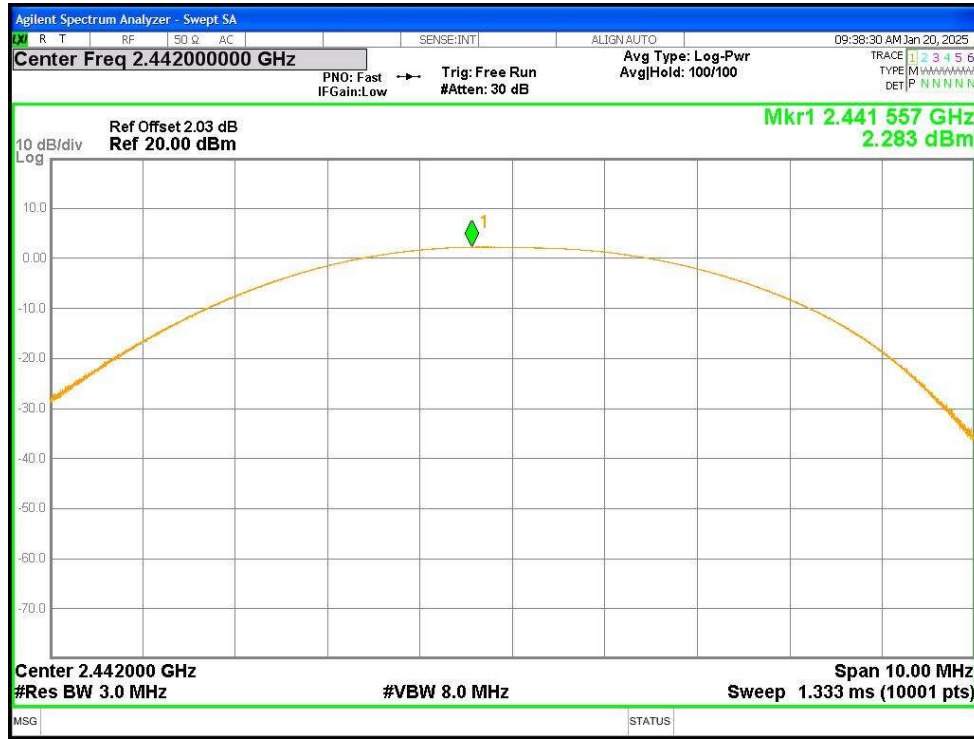
7.1 Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	2.834	30	Pass
NVNT	BLE 1M	2442	Ant1	2.283	30	Pass
NVNT	BLE 1M	2480	Ant1	1.915	30	Pass
NVNT	BLE 2M	2402	Ant1	2.919	30	Pass
NVNT	BLE 2M	2442	Ant1	2.417	30	Pass
NVNT	BLE 2M	2480	Ant1	2.034	30	Pass

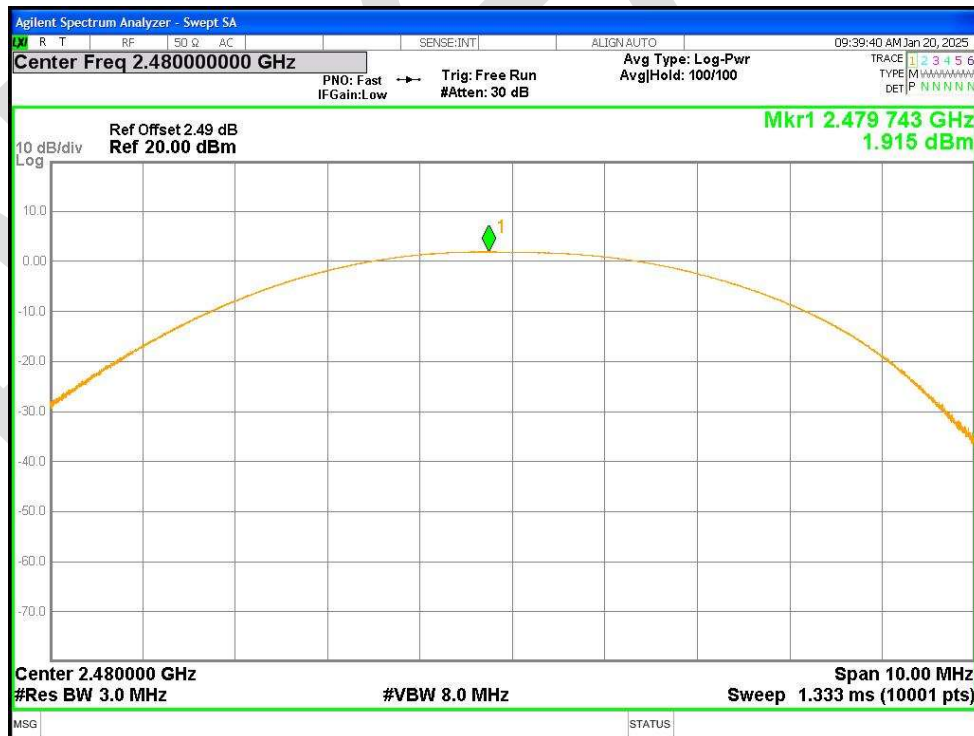
Power NVNT BLE 1M 2402MHz Ant1



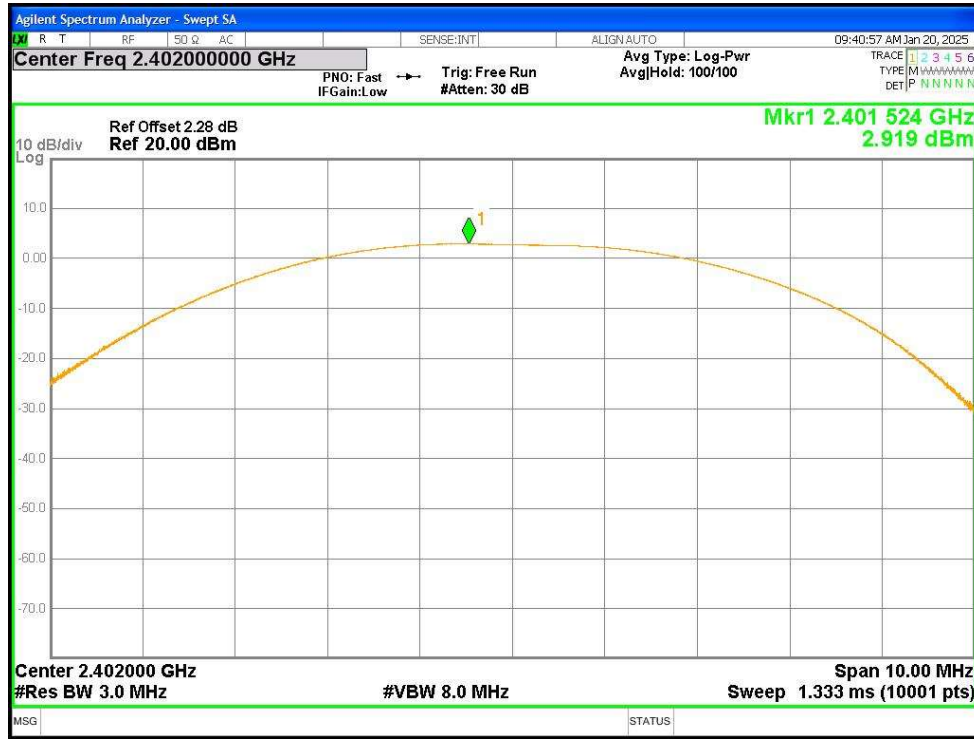
Power NVNT BLE 1M 2442MHz Ant1



Power NVNT BLE 1M 2480MHz Ant1



Power NVNT BLE 2M 2402MHz Ant1



Power NVNT BLE 2M 2442MHz Ant1



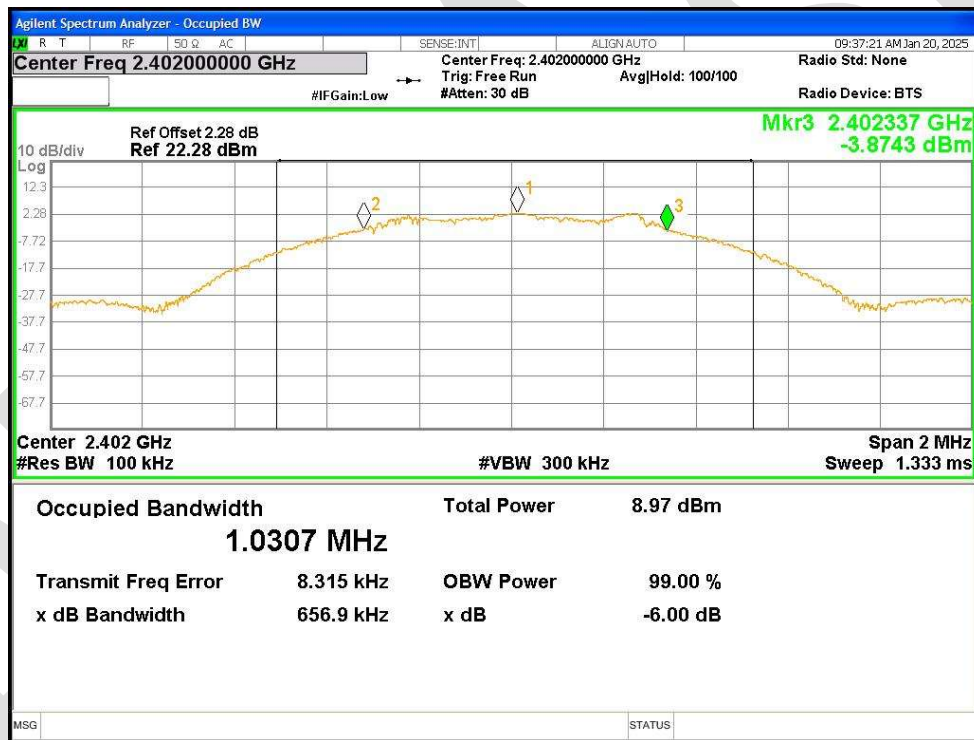
Power NVNT BLE 2M 2480MHz Ant1



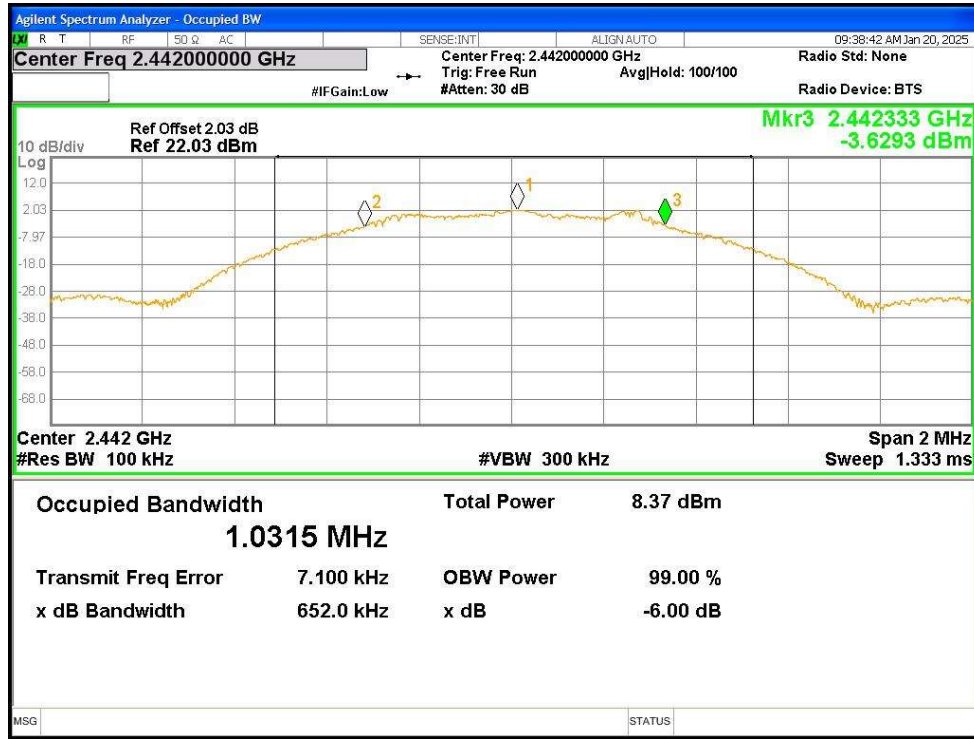
7.2 -6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.657	0.5	Pass
NVNT	BLE 1M	2442	Ant1	0.652	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.650	0.5	Pass
NVNT	BLE 2M	2402	Ant1	1.096	0.5	Pass
NVNT	BLE 2M	2442	Ant1	1.147	0.5	Pass
NVNT	BLE 2M	2480	Ant1	1.121	0.5	Pass

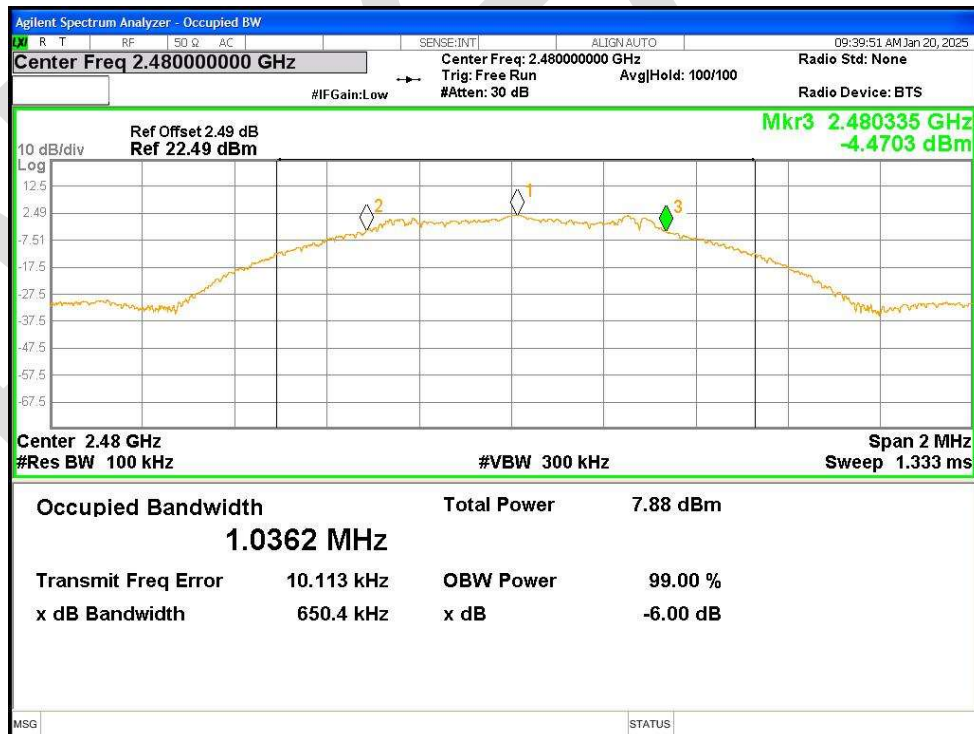
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



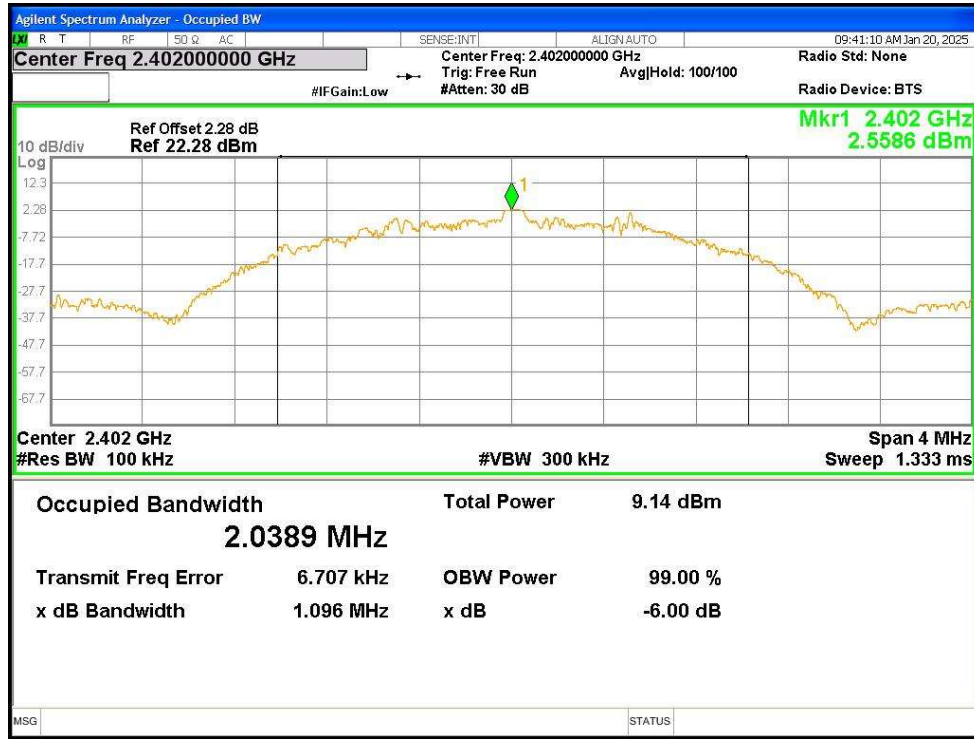
-6dB Bandwidth NVNT BLE 1M 2442MHz Ant1



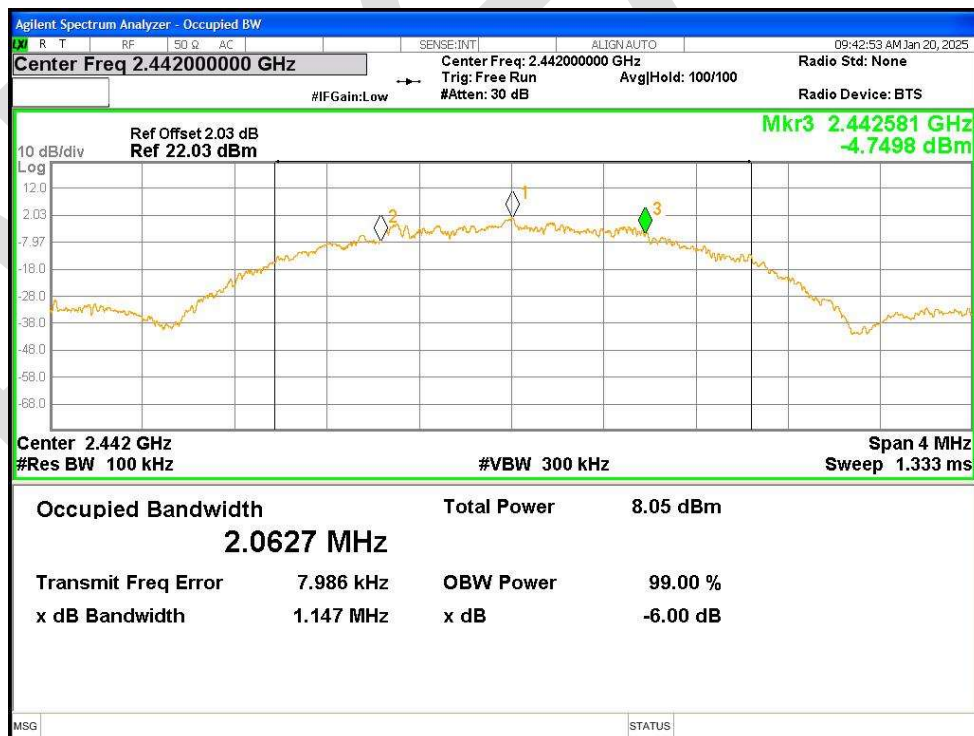
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1



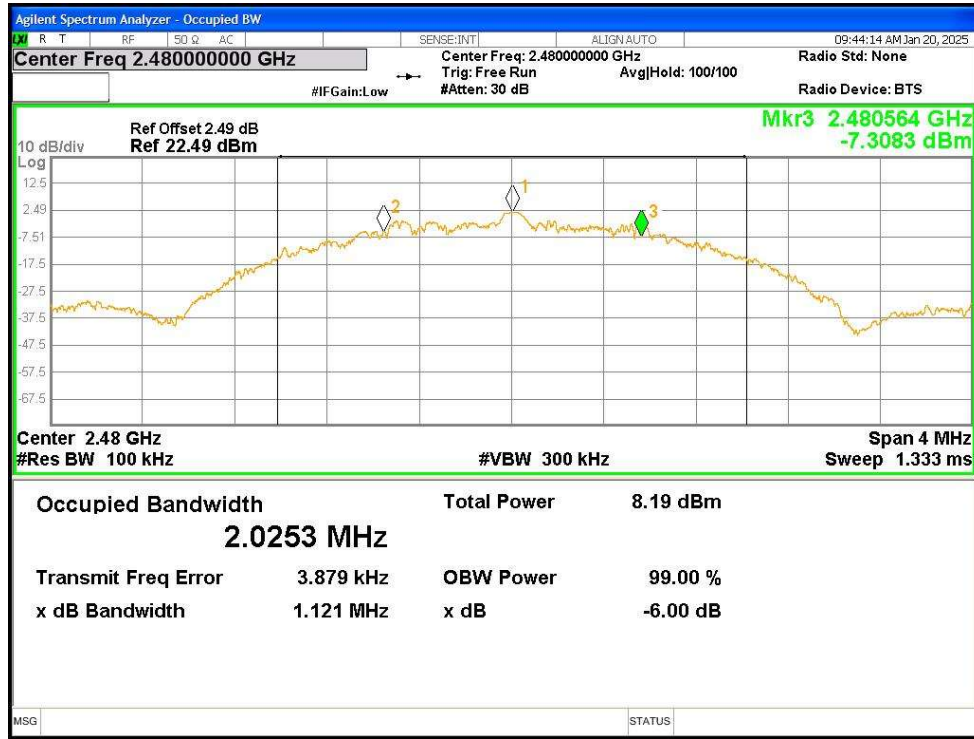
-6dB Bandwidth NVNT BLE 2M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 2M 2442MHz Ant1



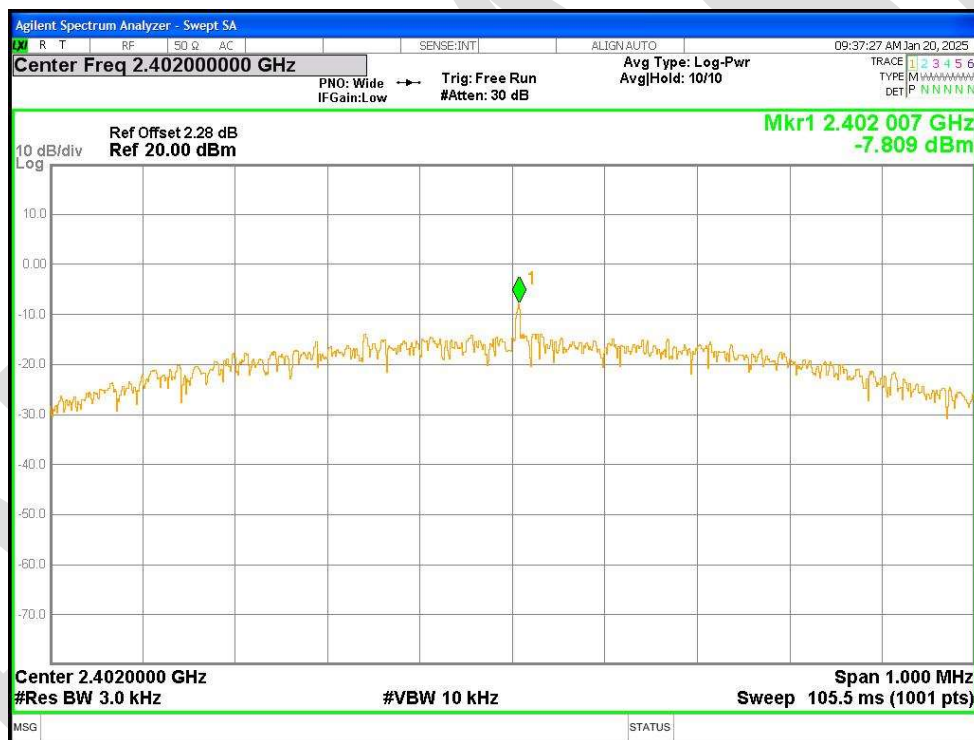
-6dB Bandwidth NVNT BLE 2M 2480MHz Ant1



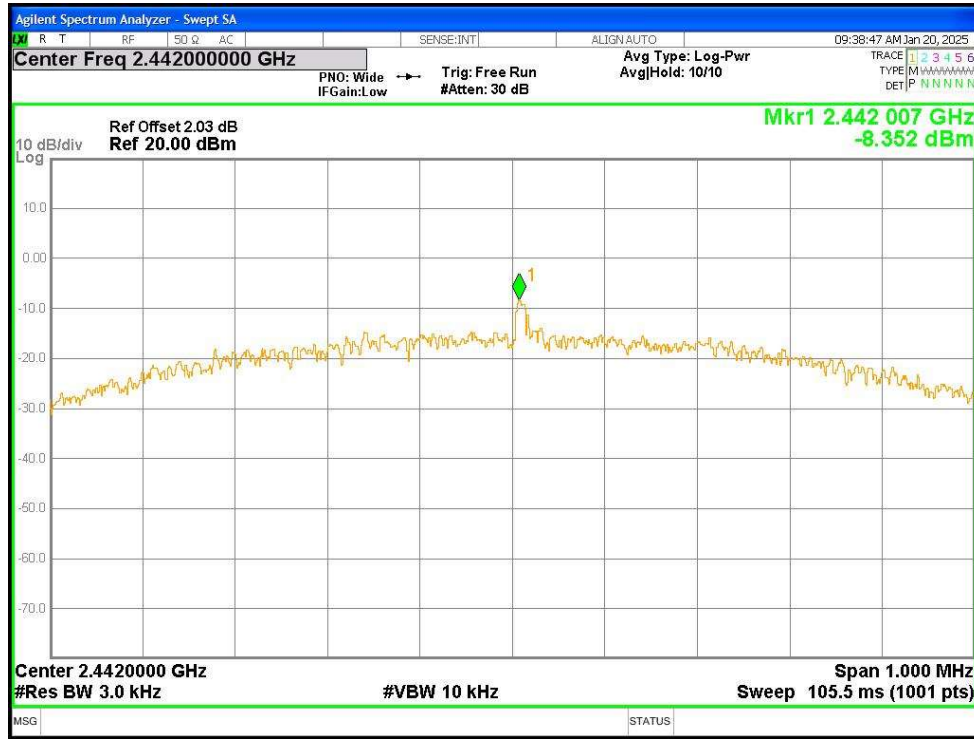
7.3 Power spectrum density

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	-7.809	8	Pass
NVNT	BLE 1M	2442	Ant1	-8.352	8	Pass
NVNT	BLE 1M	2480	Ant1	-8.662	8	Pass
NVNT	BLE 2M	2402	Ant1	-8.757	8	Pass
NVNT	BLE 2M	2442	Ant1	-9.015	8	Pass
NVNT	BLE 2M	2480	Ant1	-9.496	8	Pass

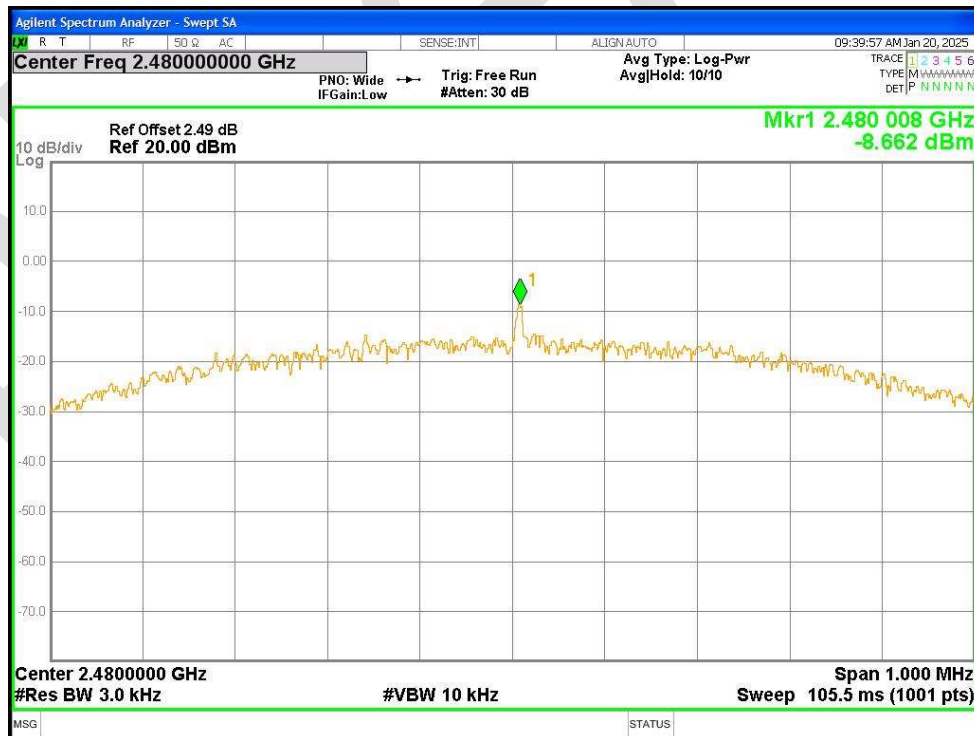
PSD NVNT BLE 1M 2402MHz Ant1



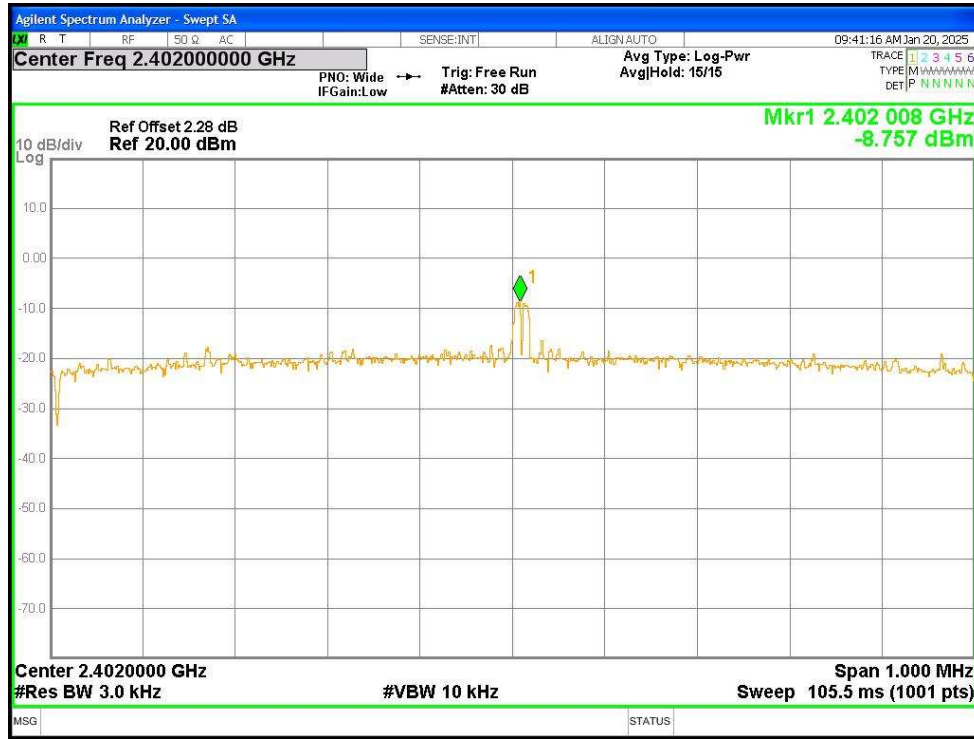
PSD NVNT BLE 1M 2442MHz Ant1



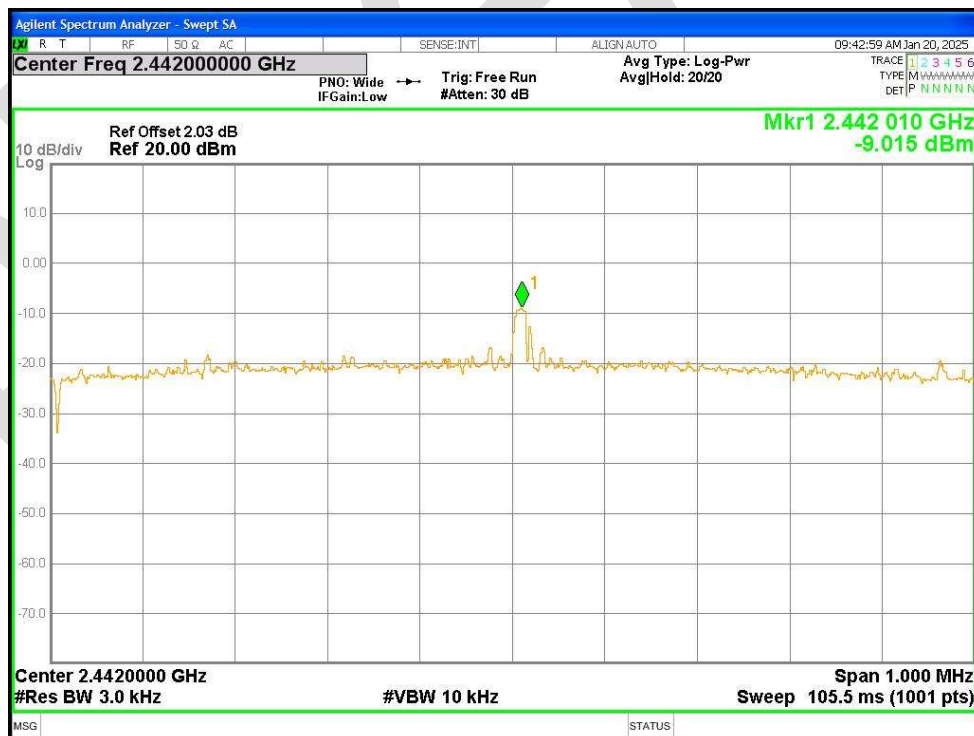
PSD NVNT BLE 1M 2480MHz Ant1



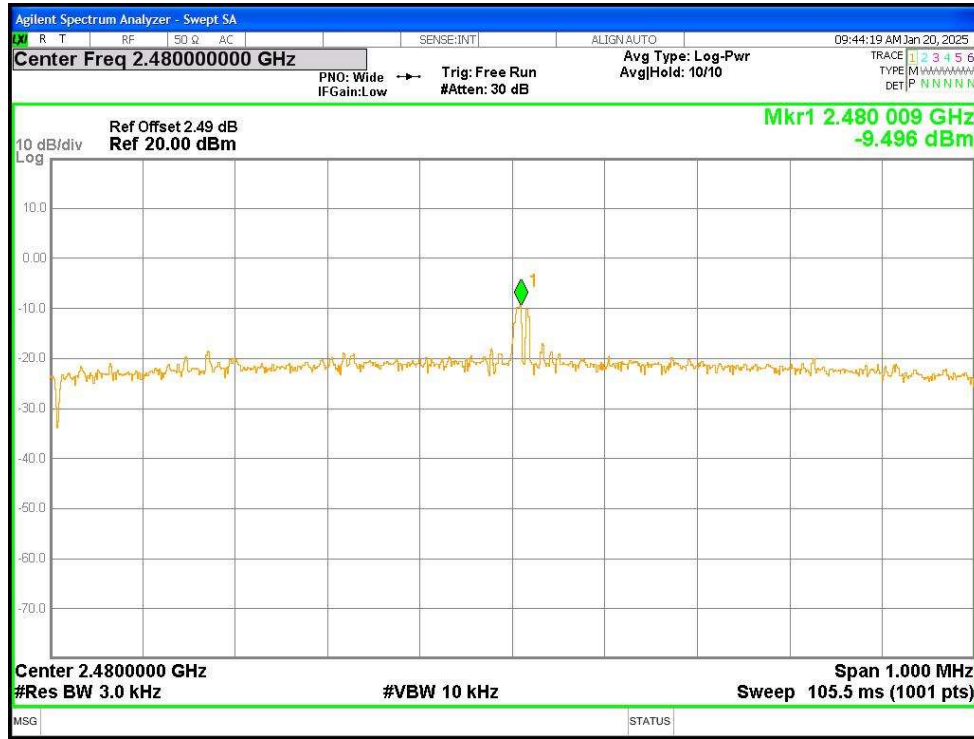
PSD NVNT BLE 2M 2402MHz Ant1



PSD NVNT BLE 2M 2442MHz Ant1



PSD NVNT BLE 2M 2480MHz Ant1



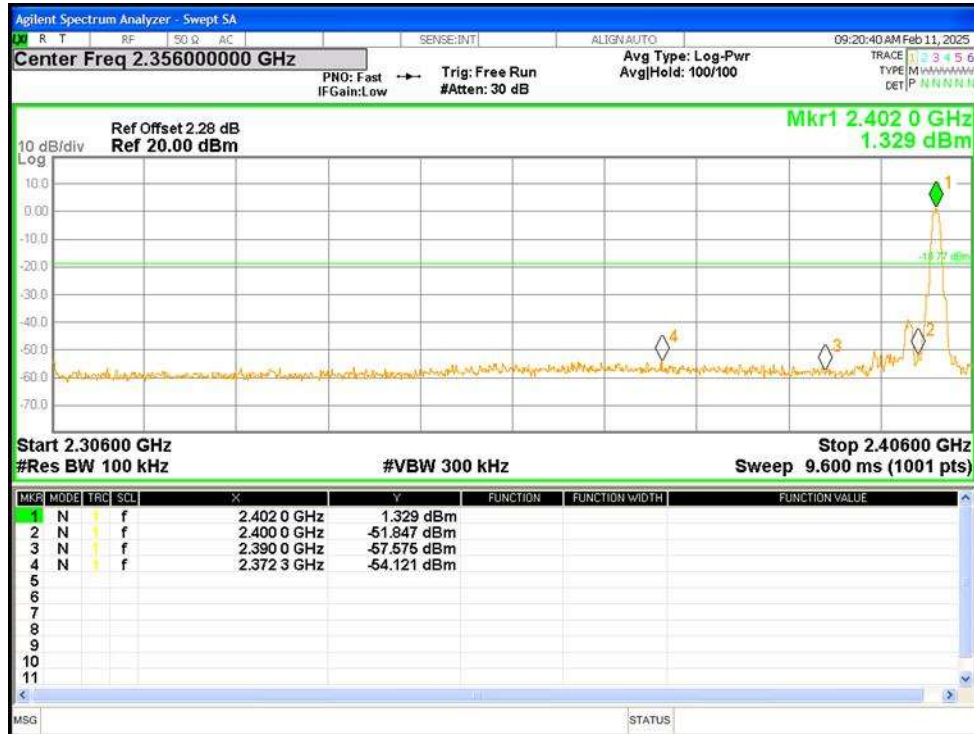
7.4 Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-55.35	-20	Pass
NVNT	BLE 1M	2480	Ant1	-54.33	-20	Pass
NVNT	BLE 2M	2402	Ant1	-55.29	-20	Pass
NVNT	BLE 2M	2480	Ant1	-56.10	-20	Pass

Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



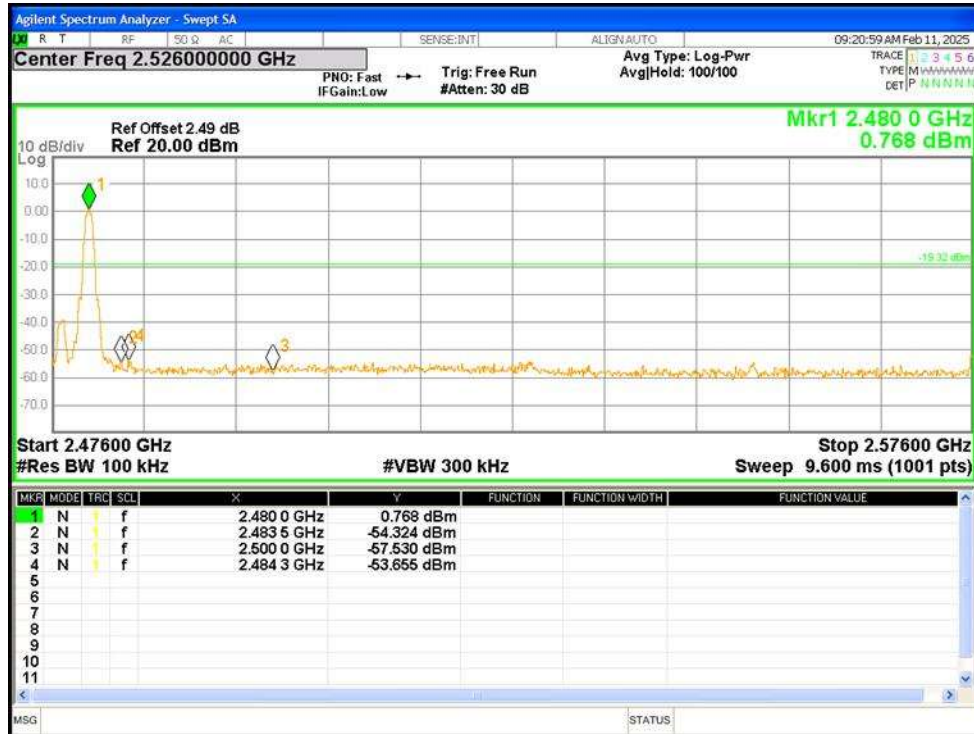
Band Edge NVNT BLE 1M 2402MHz Ant1 Emission



Band Edge NVNT BLE 1M 2480MHz Ant1 Ref



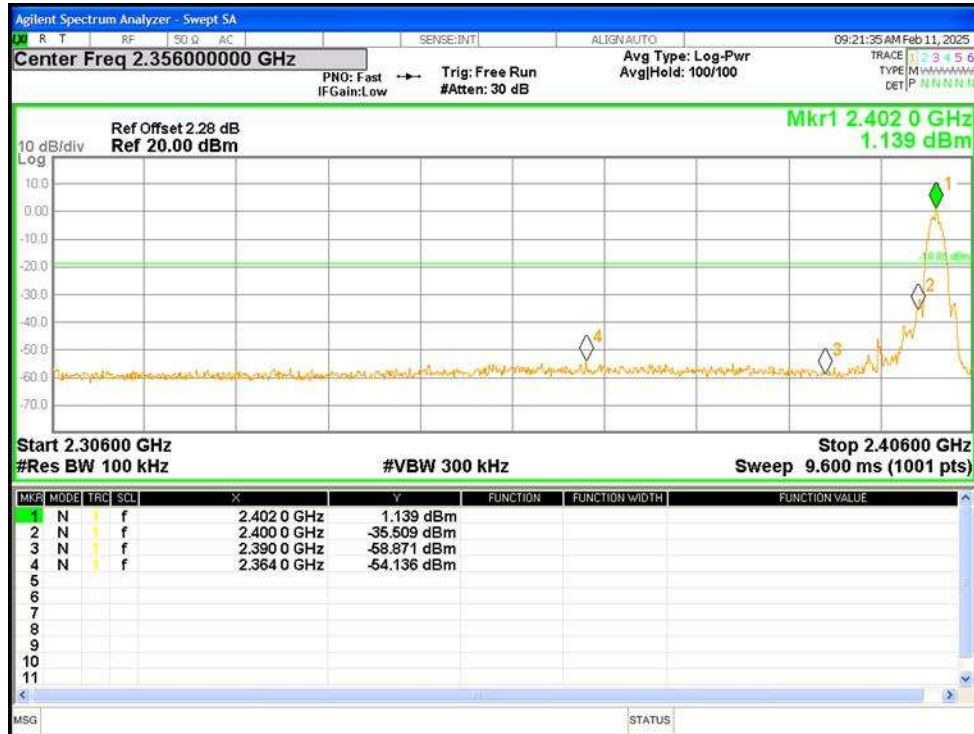
Band Edge NVNT BLE 1M 2480MHz Ant1 Emission



Band Edge NVNT BLE 2M 2402MHz Ant1 Ref



Band Edge NVNT BLE 2M 2402MHz Ant1 Emission



Band Edge NVNT BLE 2M 2480MHz Ant1 Ref



Band Edge NVNT BLE 2M 2480MHz Ant1 Emission



7.5 Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant1	-47.08	-20	Pass
NVNT	BLE 1M	2442	Ant1	-47.53	-20	Pass
NVNT	BLE 1M	2480	Ant1	-47.32	-20	Pass
NVNT	BLE 2M	2402	Ant1	-45.24	-20	Pass
NVNT	BLE 2M	2442	Ant1	-46.35	-20	Pass
NVNT	BLE 2M	2480	Ant1	-47.20	-20	Pass

Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



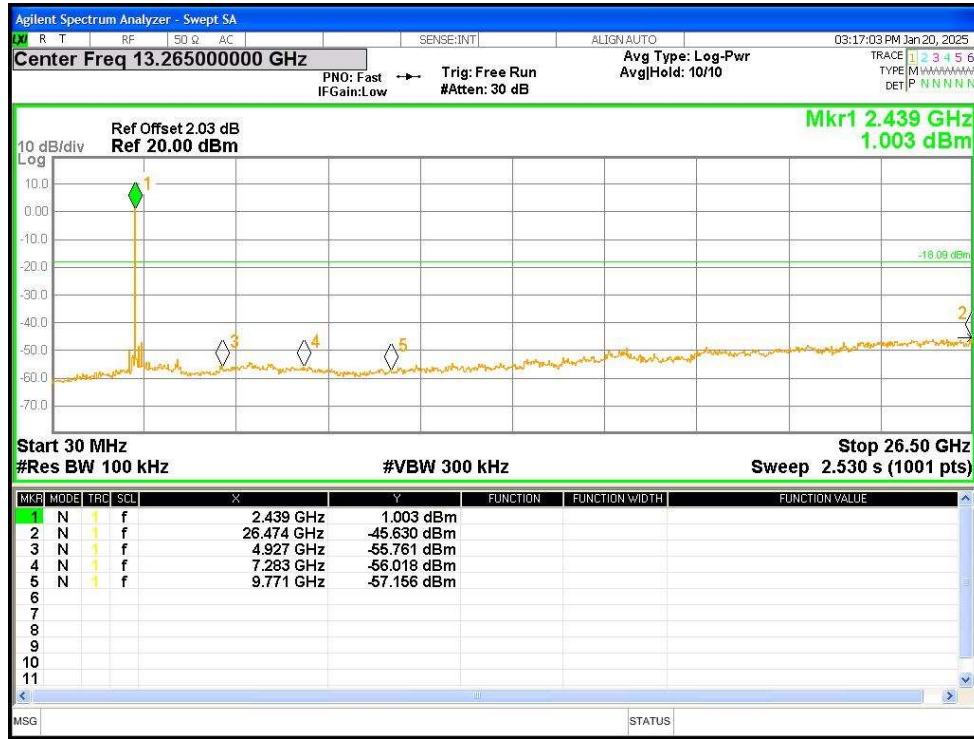
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Ref



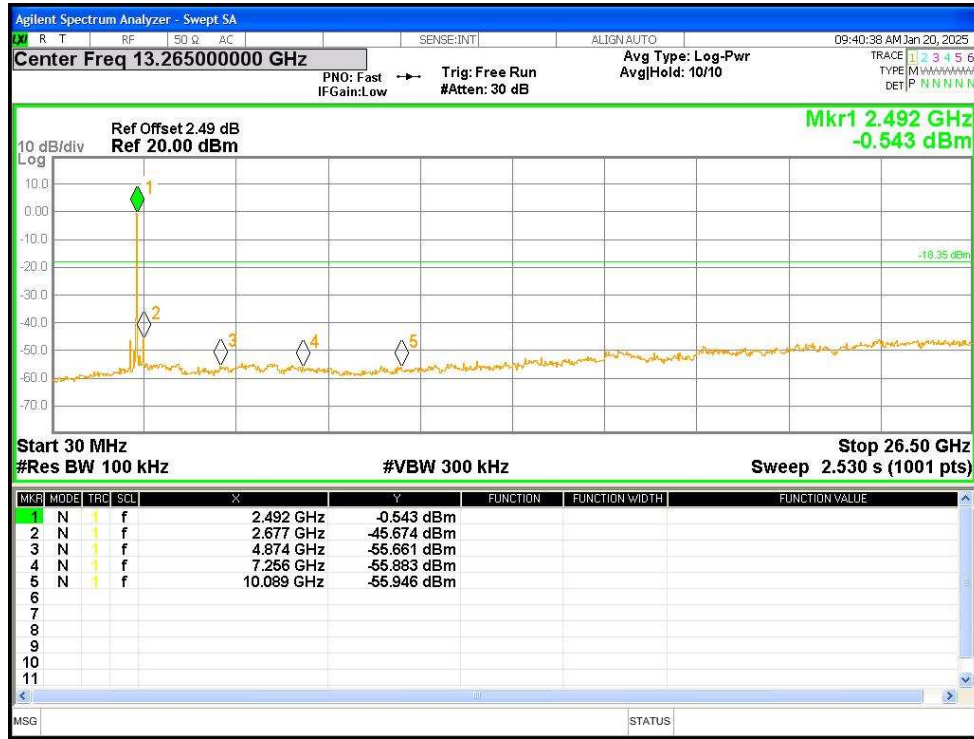
Tx. Spurious NVNT BLE 1M 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



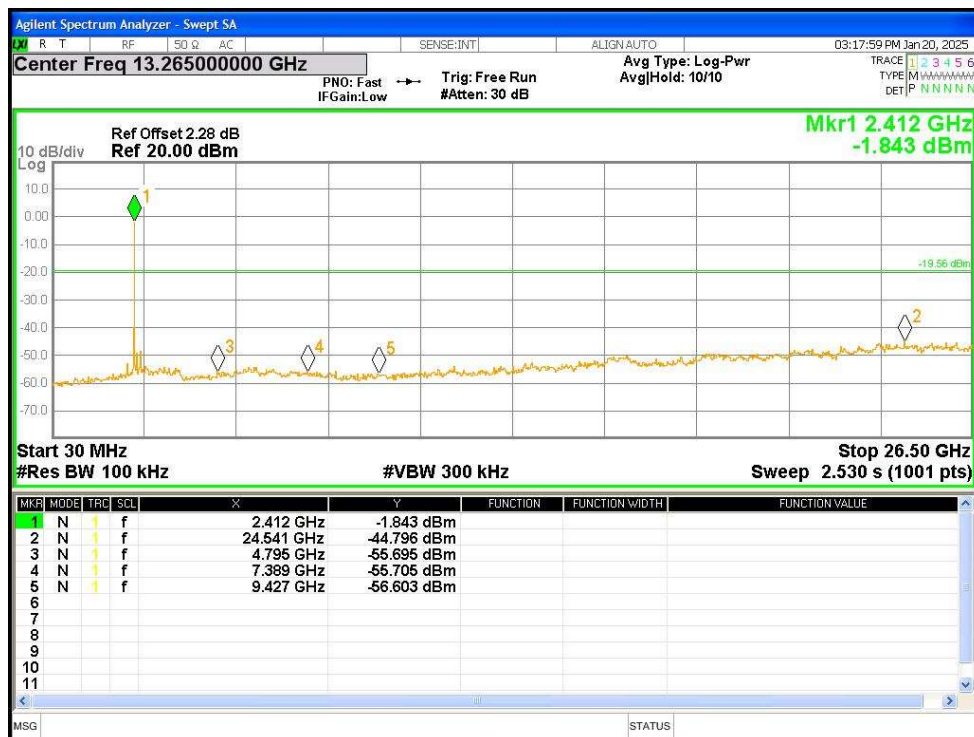
Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Ref



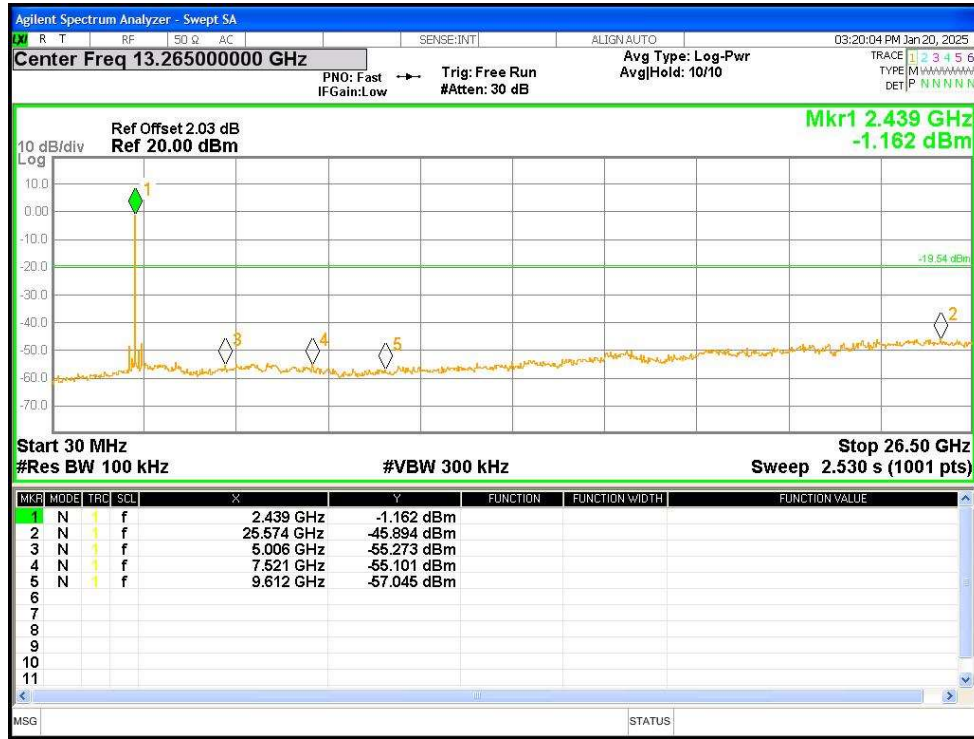
Tx. Spurious NVNT BLE 2M 2402MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Ref



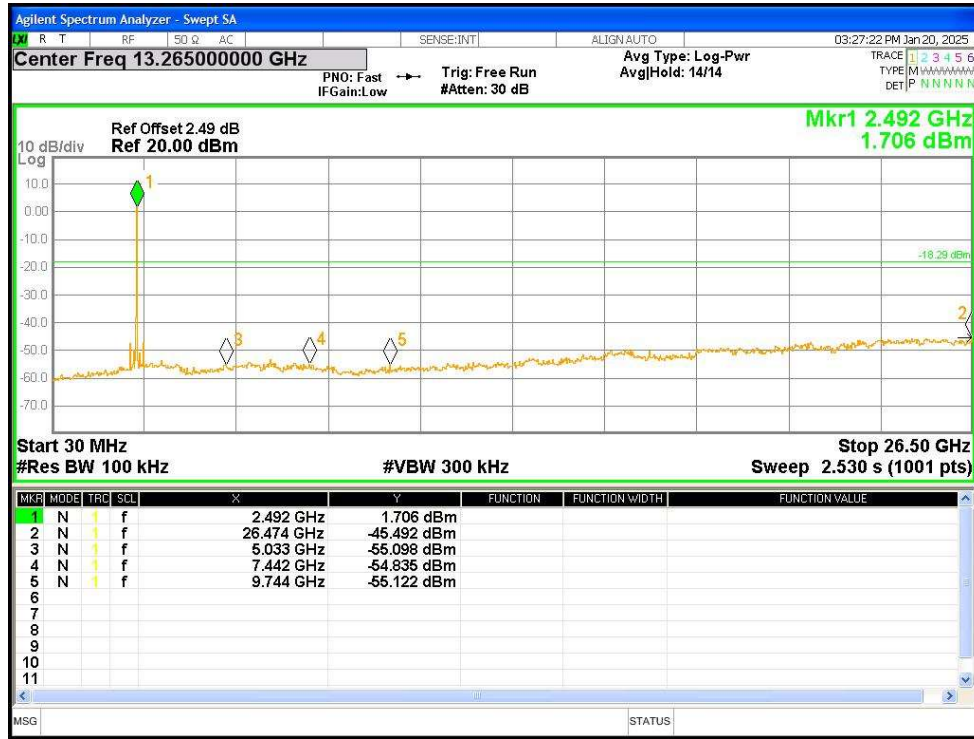
Tx. Spurious NVNT BLE 2M 2442MHz Ant1 Emission



Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Ref

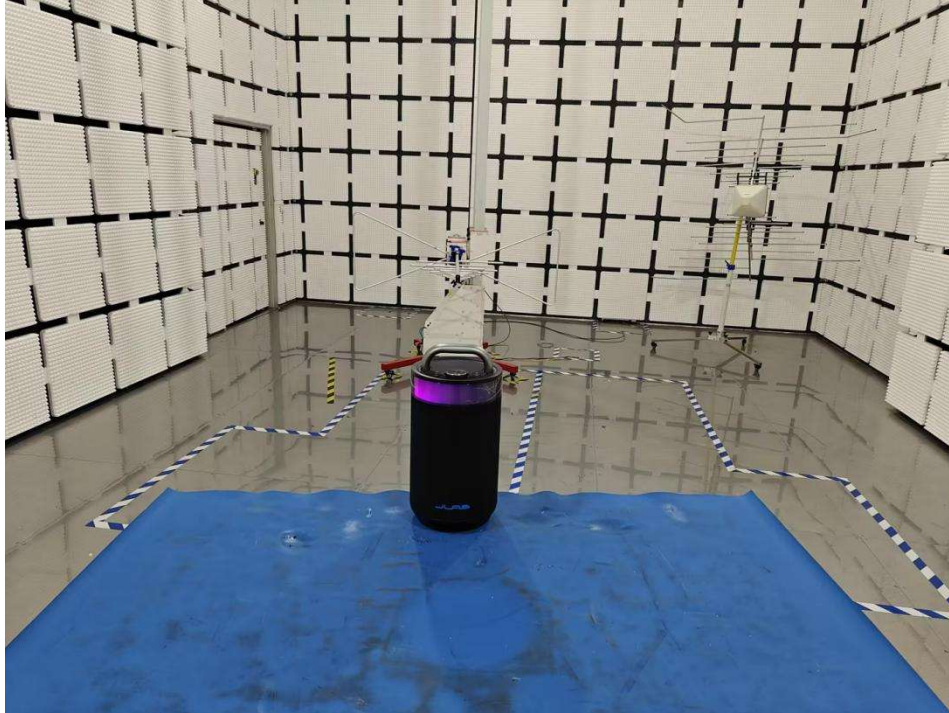


Tx. Spurious NVNT BLE 2M 2480MHz Ant1 Emission



Appendix B: photographs of test setup

Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



Conducted emissions at AC power line (150kHz-30MHz)



Appendix C: photographs of EUT

Reference to the test report no. BLA-EMC-202501-A6601

----END OF REPORT----

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