

FCC ID: 2BEQ8-H036

Applicant: Baldr Group LTD

Address: 71-75 Shelton Street, Covent Garden, WC2H 9JQ, London, United Kingdom

Manufacturer: Baldr Group LTD

Address: 71-75 Shelton Street, Covent Garden, WC2H 9JQ, London, United Kingdom

Product Name: Smart Thermostat and Controller

Trade Mark: baldr

Model Number: H036

Date of Receipt: Jul. 27, 2026

Test Date: Jul. 27, 2026 - Aug. 20, 2026

Date of Report: Aug. 20, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1 Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

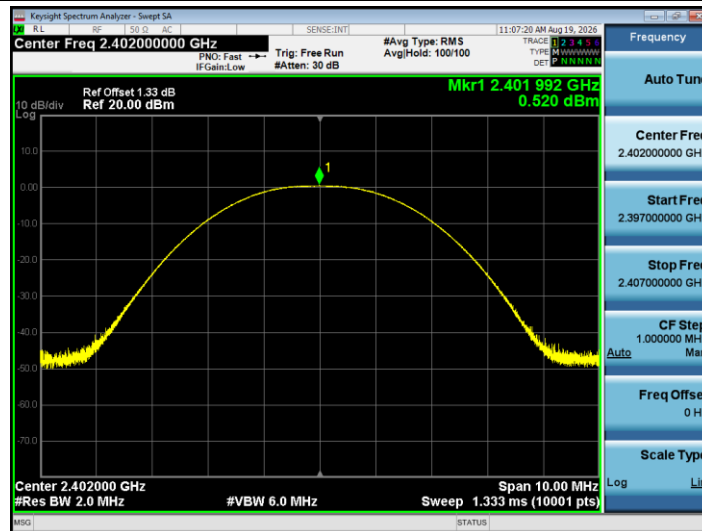
Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10-2020 + Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024

Test Result: Pass

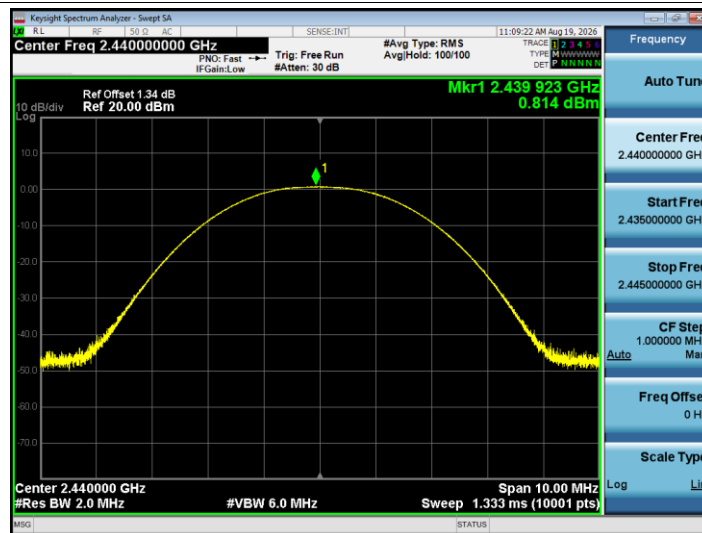
Report Number: DLE-260727033R

Maximum Peak Conducted Output Power

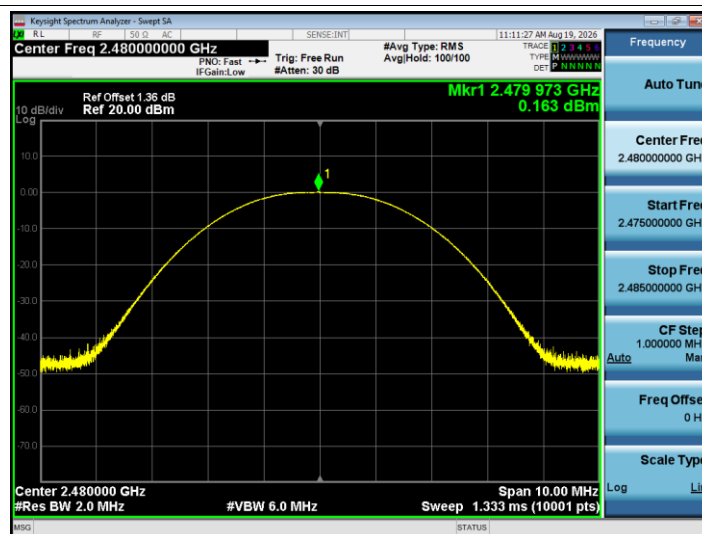
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	BLE 1M	2402	Ant1	0.52	30	Pass
NVNT	BLE 1M	2440	Ant1	0.81	30	Pass
NVNT	BLE 1M	2480	Ant1	0.16	30	Pass



Peak Power NVNT BLE 1M 2402MHz Ant1



Peak Power NVNT BLE 1M 2440MHz Ant1



Peak Power NVNT BLE 1M 2480MHz Ant1

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant1	0.6498	0.5	Pass
NVNT	BLE 1M	2440	Ant1	0.6405	0.5	Pass
NVNT	BLE 1M	2480	Ant1	0.6437	0.5	Pass

Report



-6dB Bandwidth NVNT BLE 1M 2402MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2440MHz Ant1



-6dB Bandwidth NVNT BLE 1M 2480MHz Ant1

Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	BLE 1M	2402	Ant1	1.0408
NVNT	BLE 1M	2440	Ant1	1.0276
NVNT	BLE 1M	2480	Ant1	1.0347

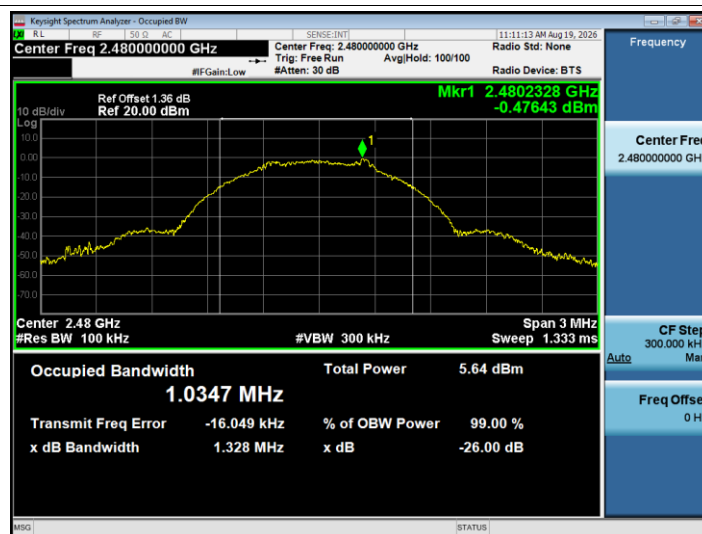
Report



OBW NVNT BLE 1M 2402MHz Ant1



OBW NVNT BLE 1M 2440MHz Ant1



OBW NVNT BLE 1M 2480MHz Ant1

Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant1	-14.71	8	Pass
NVNT	BLE 1M	2440	Ant1	-14.47	8	Pass
NVNT	BLE 1M	2480	Ant1	-15.18	8	Pass

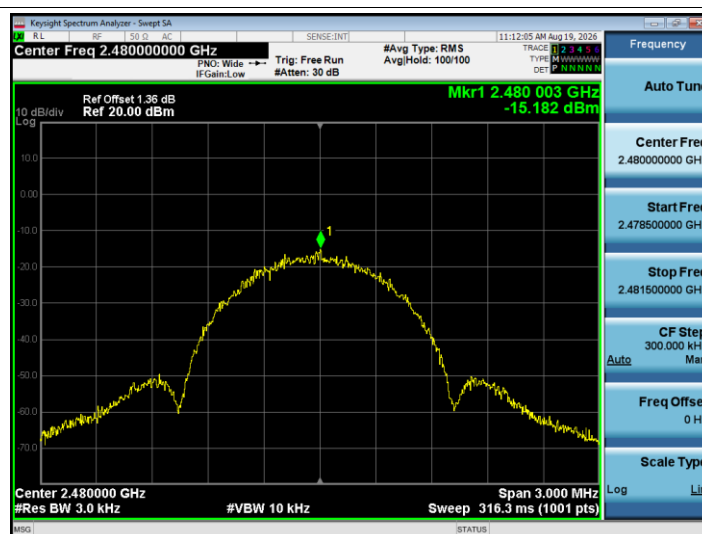
Report



PSD NVNT BLE 1M 2402MHz Ant1

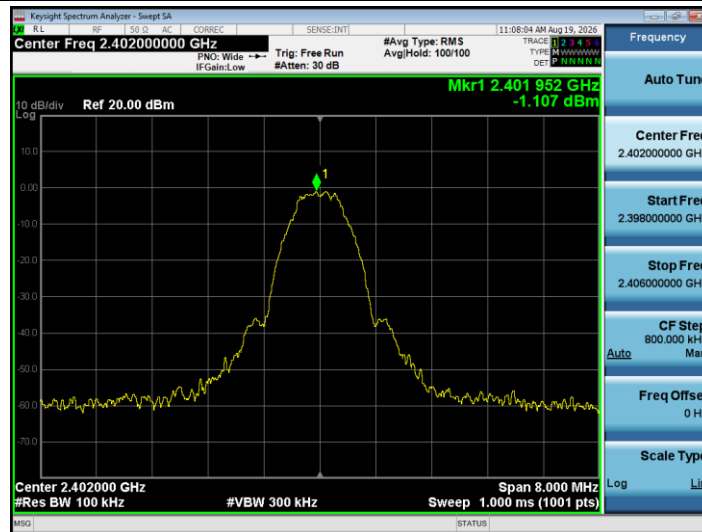


PSD NVNT BLE 1M 2440MHz Ant1

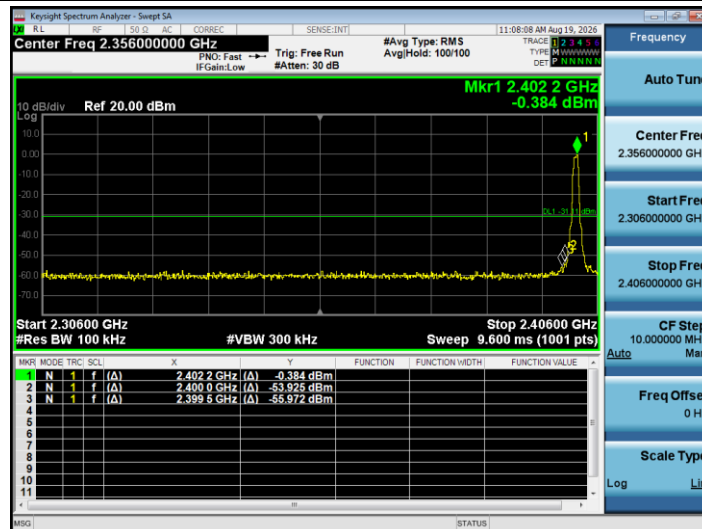


PSD NVNT BLE 1M 2480MHz Ant1

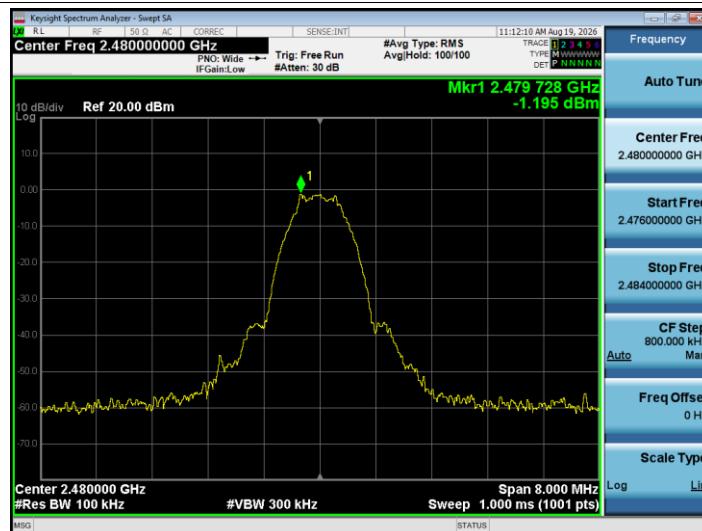
Band Edge



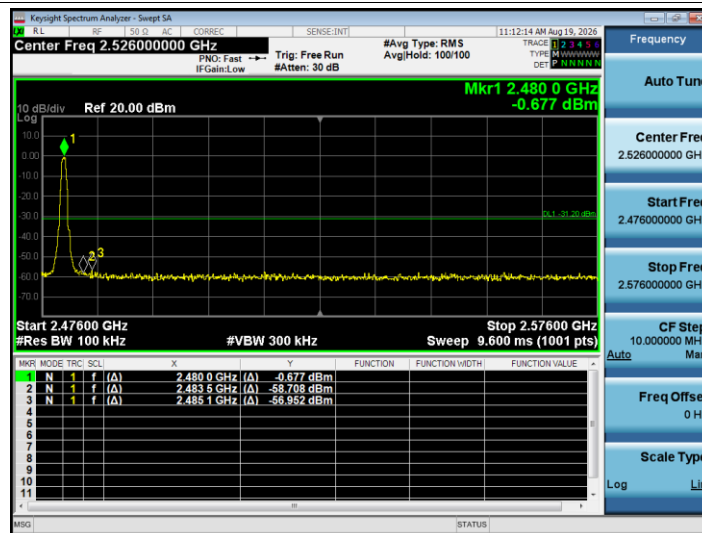
Band Edge NVNT BLE 1M 2402MHz Ant1 Ref



Band Edge NVNT BLE 1M 2402MHz Ant1 Emission

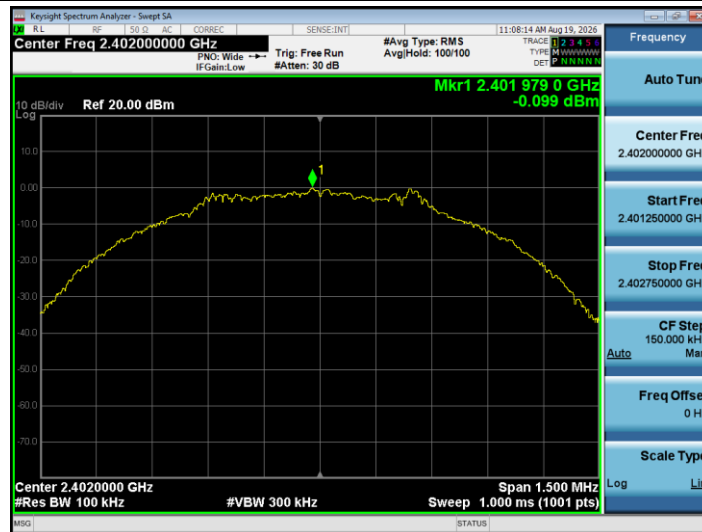


Band Edge NVNT BLE 1M 2480MHz Ant1 Ref

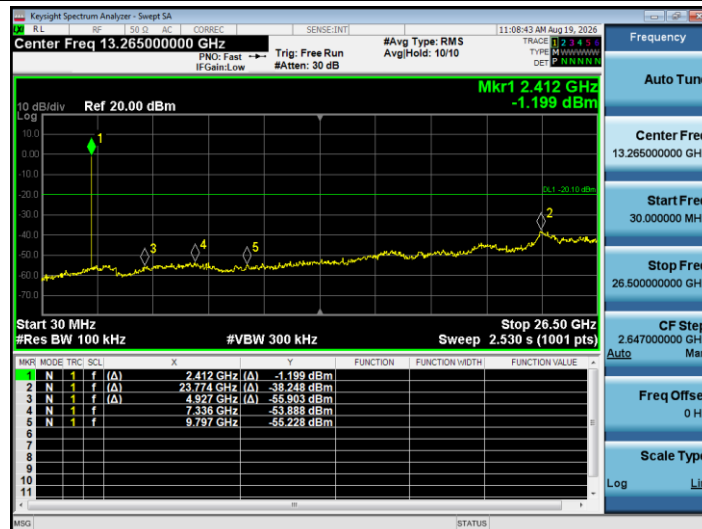


Band Edge NVNT BLE 1M 2480MHz Ant1 Emission

Conducted RF Spurious Emission



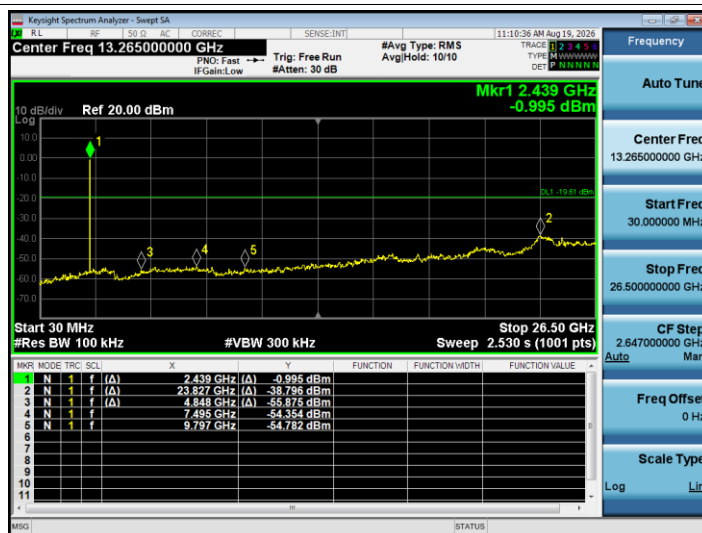
Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2402MHz Ant1 Emission



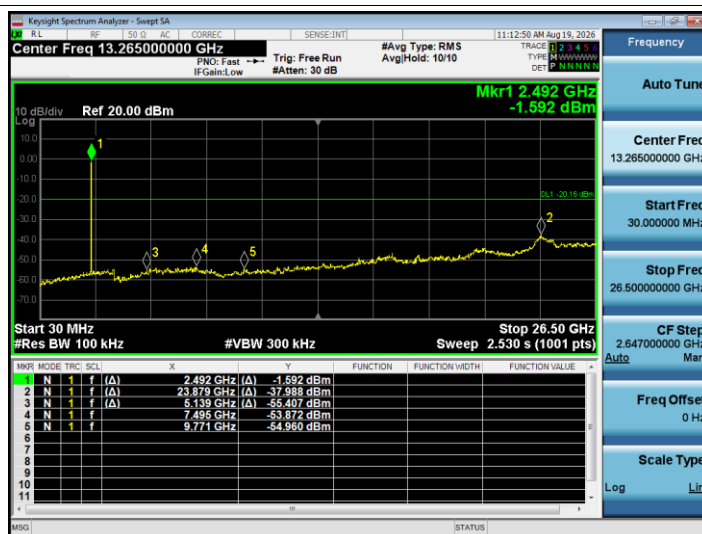
Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2440MHz Ant1 Emission



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT BLE 1M 2480MHz Ant1 Emission