

ANNEX 1

FCC Part 15C Test Report

FCC ID:2BBKV-TC108

Applicant: Dagro(Shenzhen) Electronic Technology Limited

Address: Floor 4, Building A, No.3, East Area of Shangxue Science and Technology Industry, Xuexiang Community, Bantian Street, Longgang District, Shenzhen, China

Manufacturer: Dagro(Shenzhen) Electronic Technology Limited

Address: Floor 4, Building A, No.3, East Area of Shangxue Science and Technology Industry, Xuexiang Community, Bantian Street, Longgang District, Shenzhen, China

EUT: Zoom Camera

Trade Mark: N/A

Model Number: TC108, TC73, TC105, TC109, TC63

Date of Receipt: May. 13, 2023

Test Date: May. 13, 2023 – May. 26, 2023

Date of Report: May. 26, 2023

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

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China

Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2013

Test Result: Pass

Report Number: DL-20230525025E

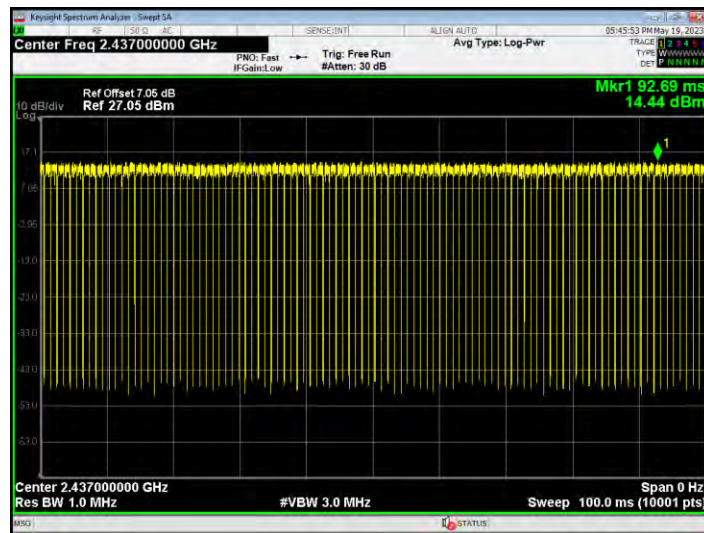
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.28	0.12
NVNT	b	2437	Ant1	97.29	0.12
NVNT	b	2462	Ant1	97.27	0.12
NVNT	g	2412	Ant1	84.93	0.71
NVNT	g	2437	Ant1	85.05	0.7
NVNT	g	2462	Ant1	85.33	0.69
NVNT	n20	2412	Ant1	97.5	0.11
NVNT	n20	2437	Ant1	97.58	0.11
NVNT	n20	2462	Ant1	97.53	0.11
NVNT	n40	2422	Ant1	95.35	0.21
NVNT	n40	2437	Ant1	95.37	0.21
NVNT	n40	2452	Ant1	95.33	0.21

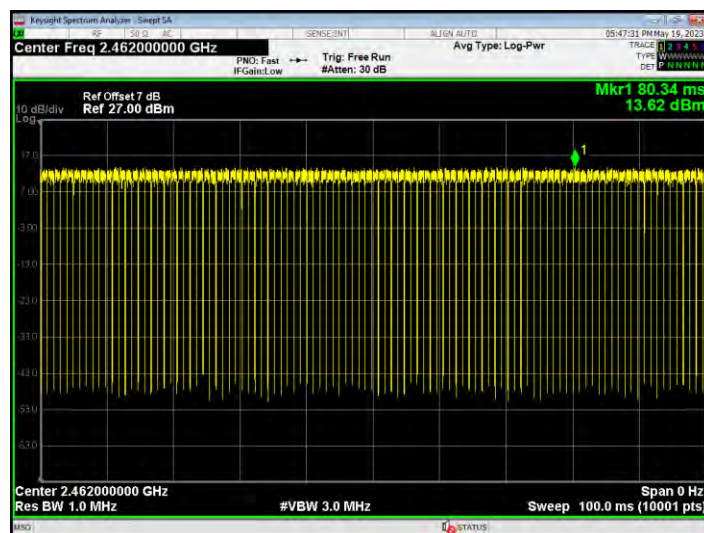
Duty Cycle NVNT b 2412MHz Ant1



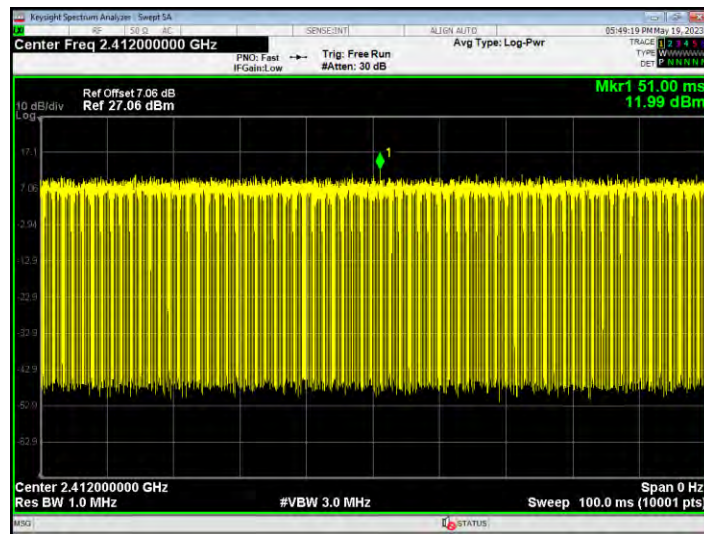
Duty Cycle NVNT b 2437MHz Ant1



Duty Cycle NVNT b 2462MHz Ant1



Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



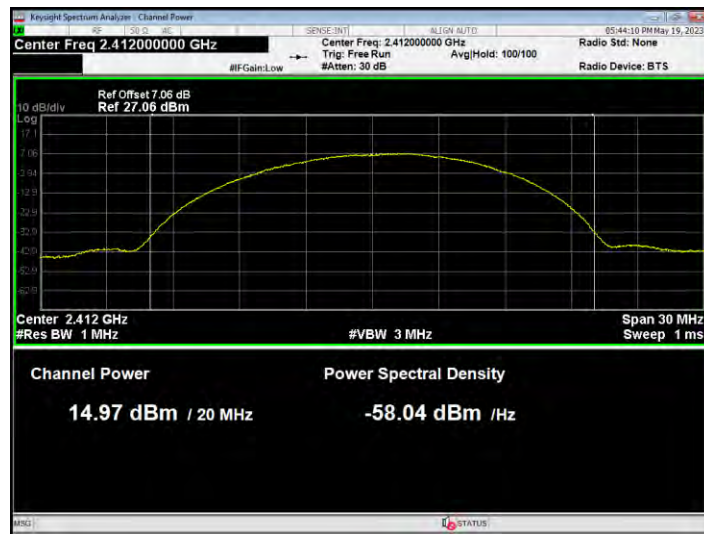
Duty Cycle NVNT n40 2452MHz Ant1



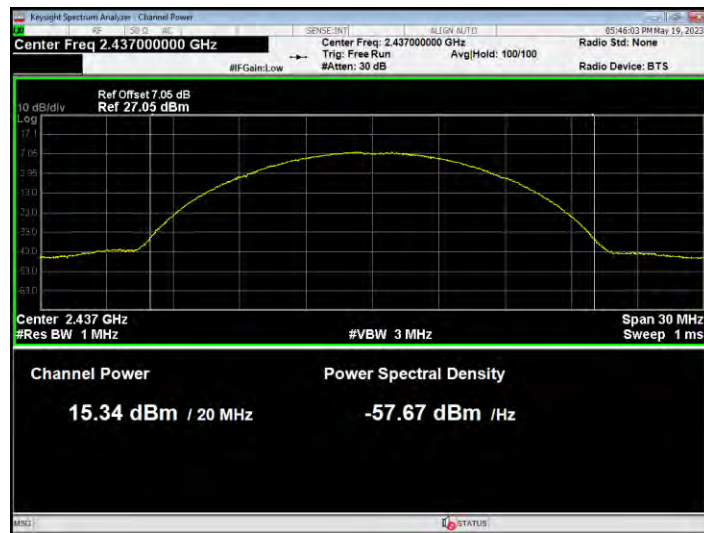
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.967	0.12	15.087	30	Pass
NVNT	b	2437	Ant1	15.338	0.12	15.458	30	Pass
NVNT	b	2462	Ant1	14.41	0.12	14.53	30	Pass
NVNT	g	2412	Ant1	13.313	0.71	14.023	30	Pass
NVNT	g	2437	Ant1	13.714	0.7	14.414	30	Pass
NVNT	g	2462	Ant1	12.807	0.69	13.497	30	Pass
NVNT	n20	2412	Ant1	14.31	0.11	14.42	30	Pass
NVNT	n20	2437	Ant1	14.536	0.11	14.646	30	Pass
NVNT	n20	2462	Ant1	13.735	0.11	13.845	30	Pass
NVNT	n40	2422	Ant1	13.956	0.21	14.166	30	Pass
NVNT	n40	2437	Ant1	14.029	0.21	14.239	30	Pass
NVNT	n40	2452	Ant1	13.282	0.21	13.492	30	Pass

Power NVNT b 2412MHz Ant1



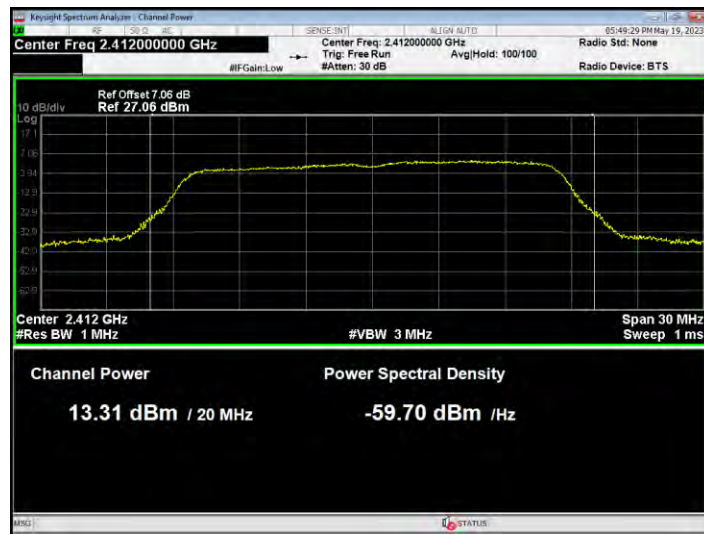
Power NVNT b 2437MHz Ant1



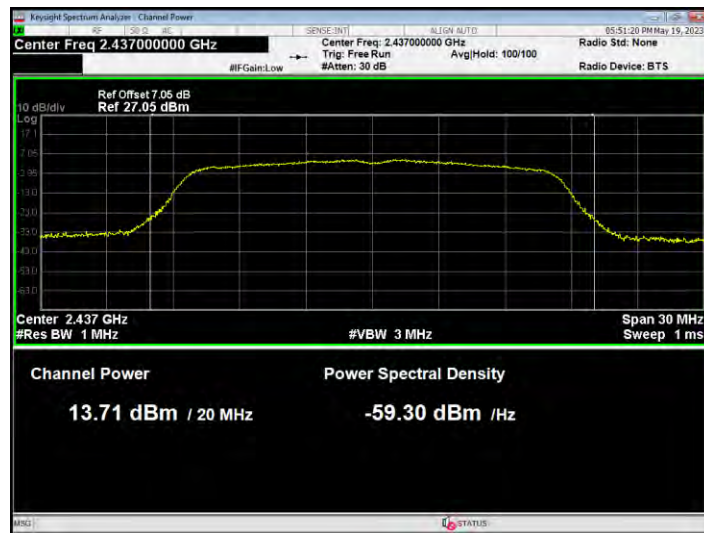
Power NVNT b 2462MHz Ant1



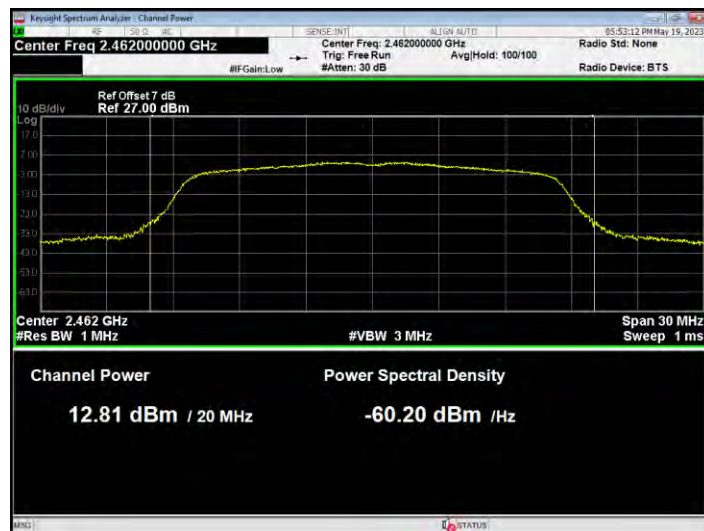
Power NVNT g 2412MHz Ant1



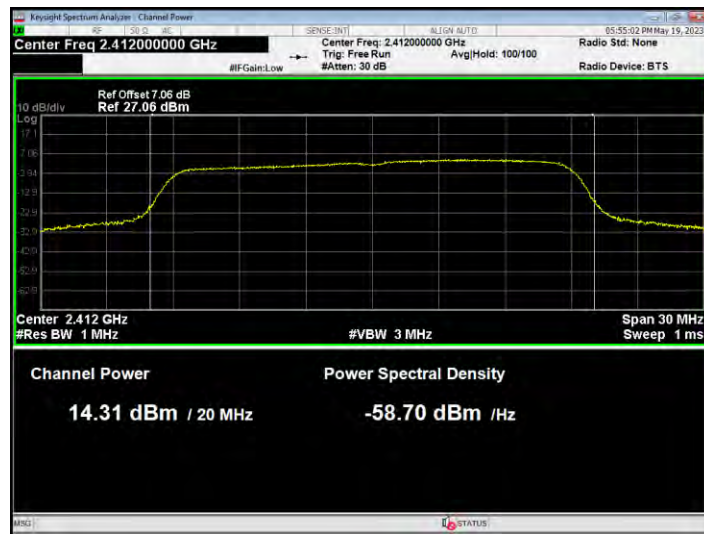
Power NVNT g 2437MHz Ant1



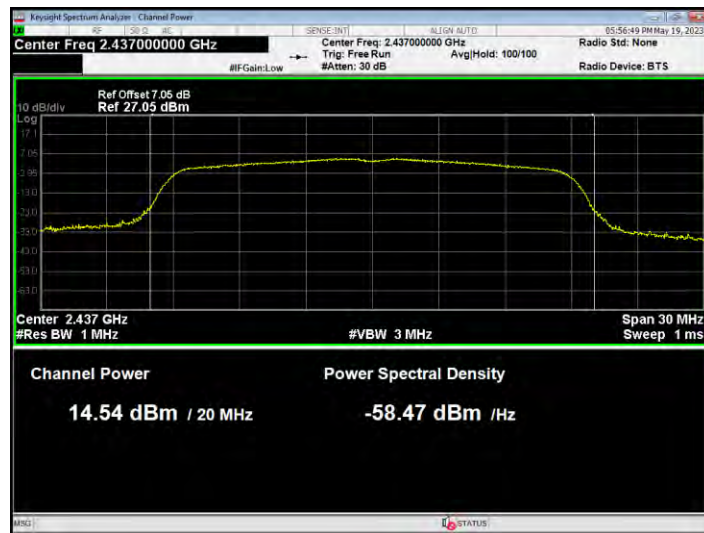
Power NVNT g 2462MHz Ant1



Power NVNT n20 2412MHz Ant1



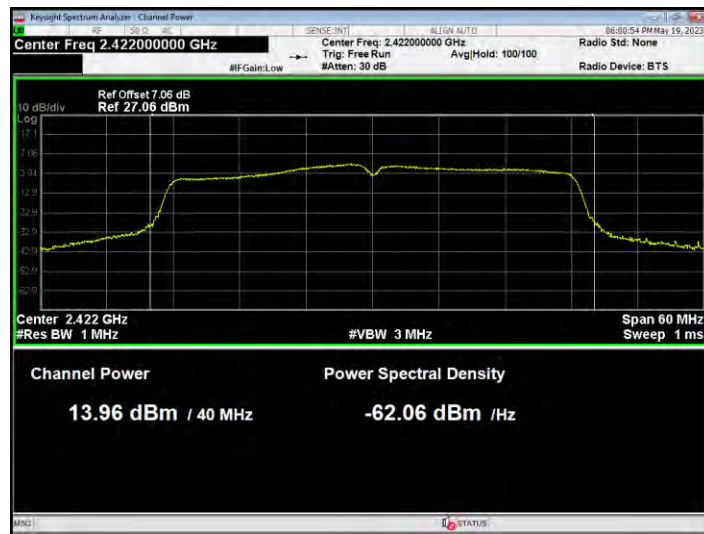
Power NVNT n20 2437MHz Ant1



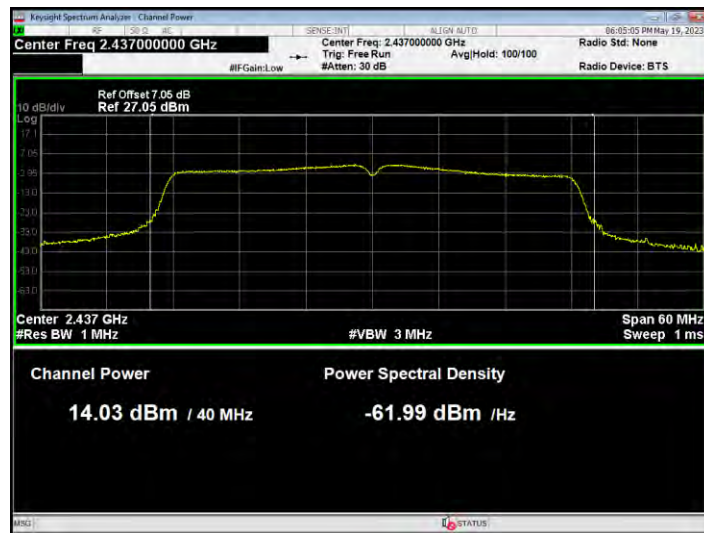
Power NVNT n20 2462MHz Ant1



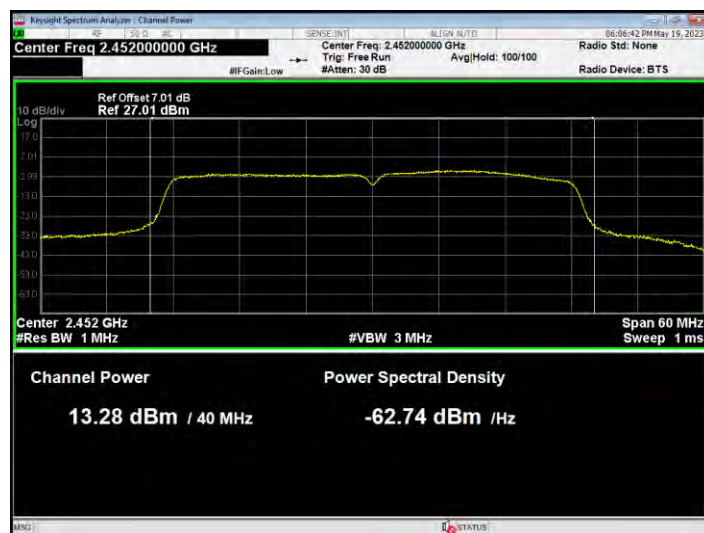
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



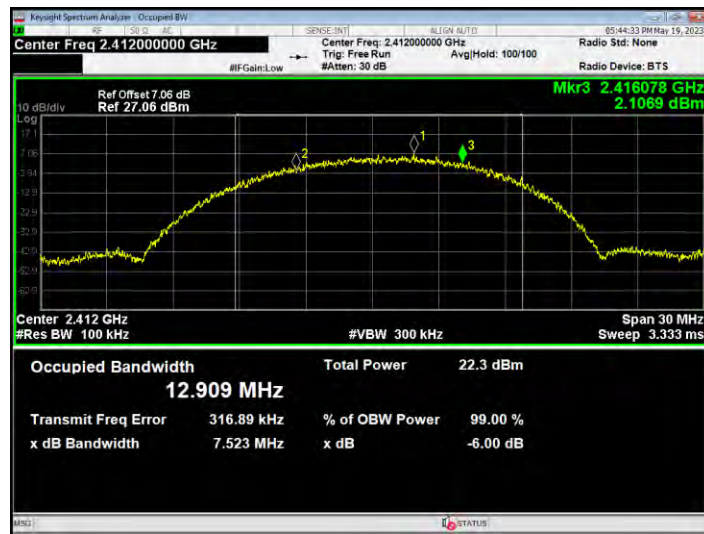
Power NVNT n40 2452MHz Ant1



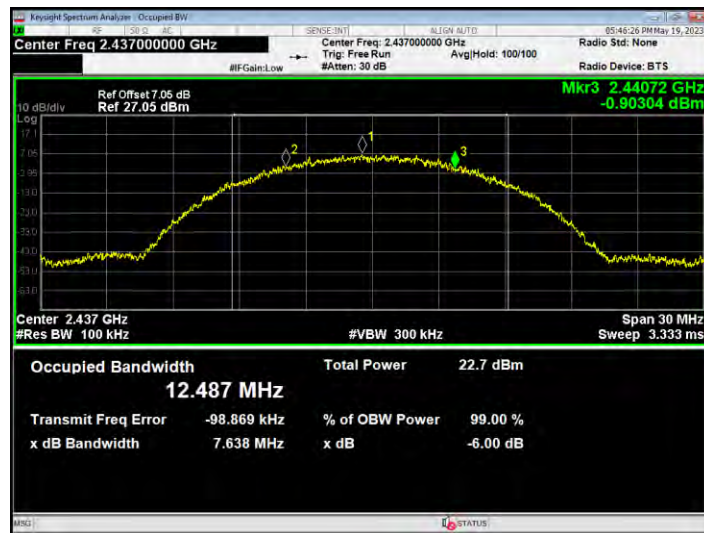
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.523	0.5	Pass
NVNT	b	2437	Ant1	7.638	0.5	Pass
NVNT	b	2462	Ant1	6.497	0.5	Pass
NVNT	g	2412	Ant1	15.734	0.5	Pass
NVNT	g	2437	Ant1	15.071	0.5	Pass
NVNT	g	2462	Ant1	14.431	0.5	Pass
NVNT	n20	2412	Ant1	12.587	0.5	Pass
NVNT	n20	2437	Ant1	12.269	0.5	Pass
NVNT	n20	2462	Ant1	12.489	0.5	Pass
NVNT	n40	2422	Ant1	25.115	0.5	Pass
NVNT	n40	2437	Ant1	33.79	0.5	Pass
NVNT	n40	2452	Ant1	33.92	0.5	Pass

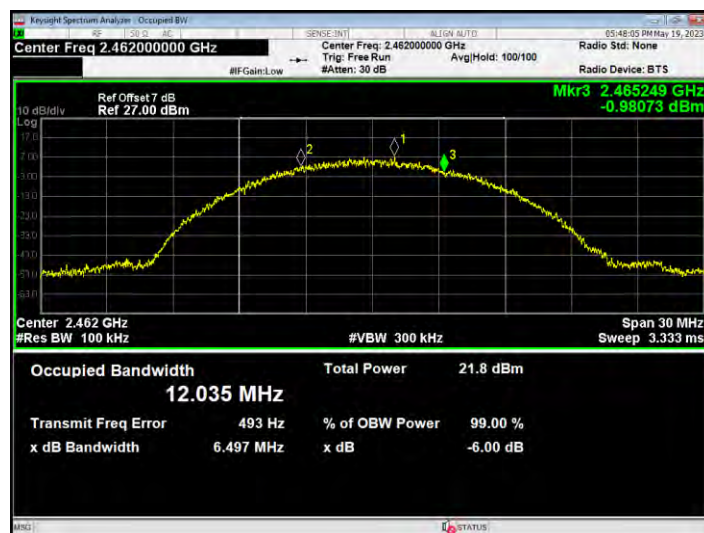
-6dB Bandwidth NVNT b 2412MHz Ant1



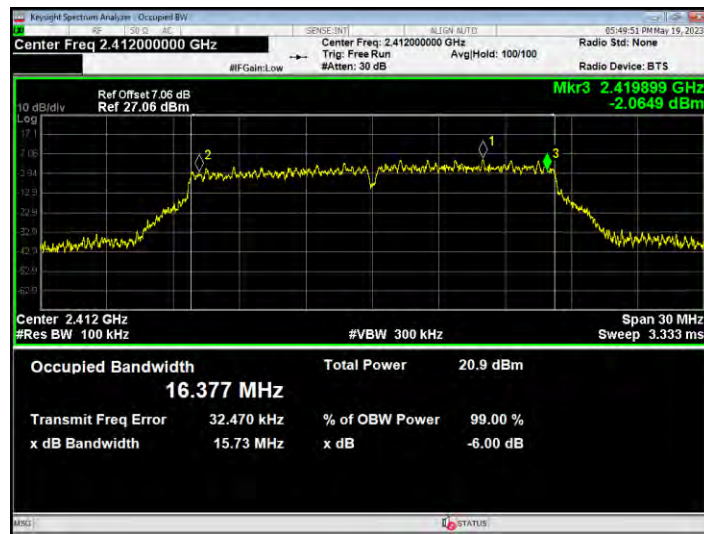
-6dB Bandwidth NVNT b 2437MHz Ant1



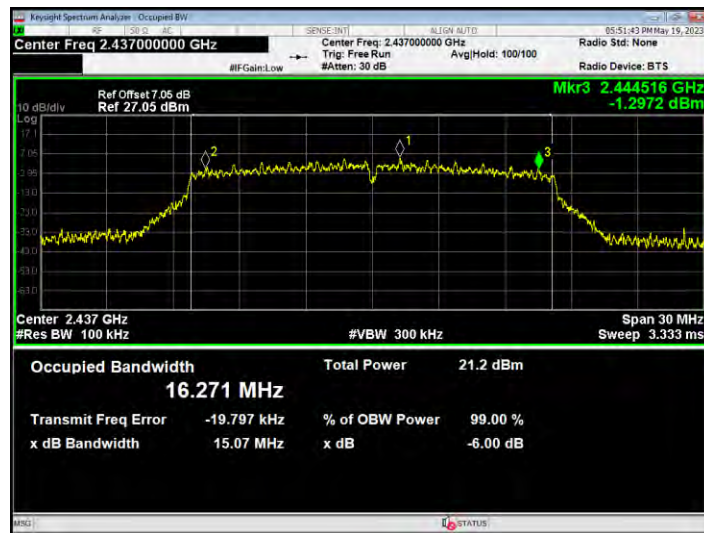
-6dB Bandwidth NVNT b 2462MHz Ant1



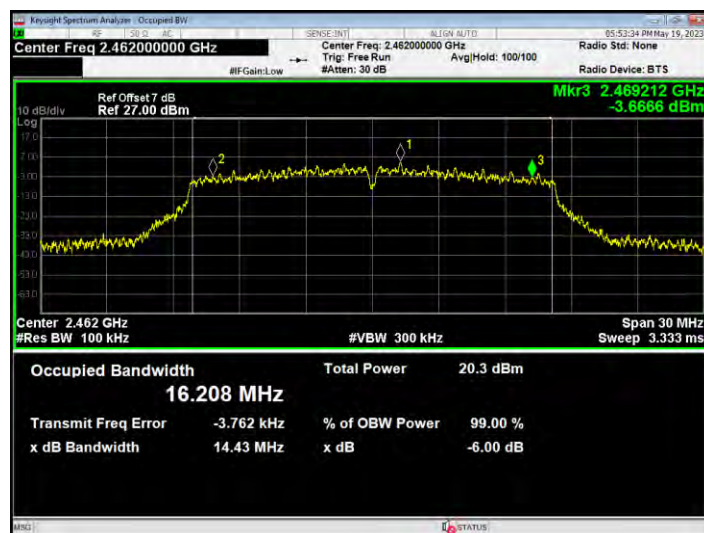
-6dB Bandwidth NVNT g 2412MHz Ant1



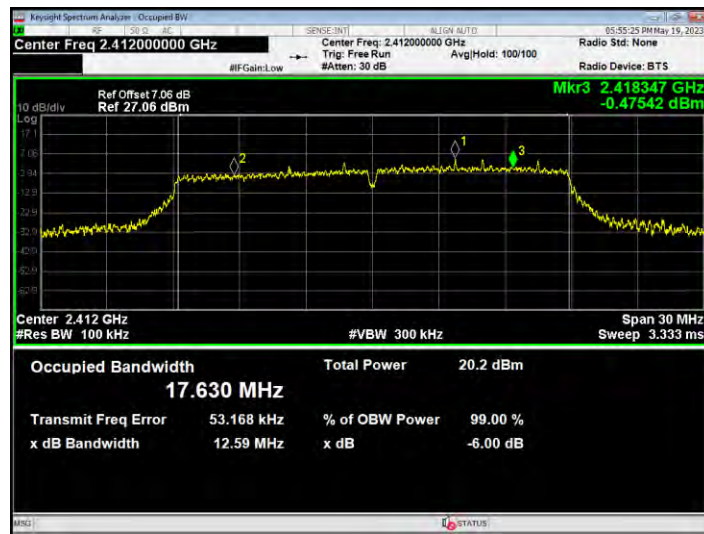
-6dB Bandwidth NVNT g 2437MHz Ant1



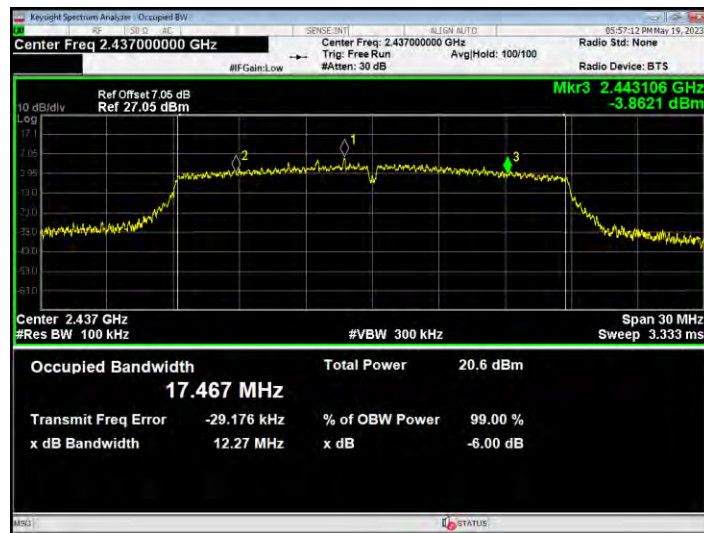
-6dB Bandwidth NVNT g 2462MHz Ant1



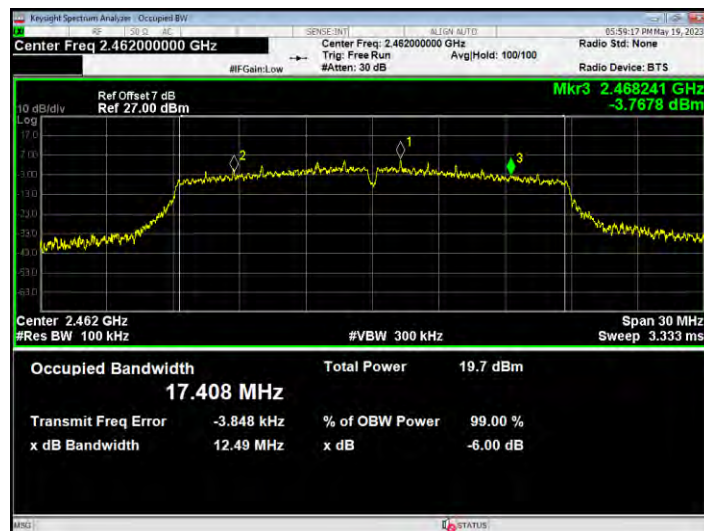
-6dB Bandwidth NVNT n20 2412MHz Ant1



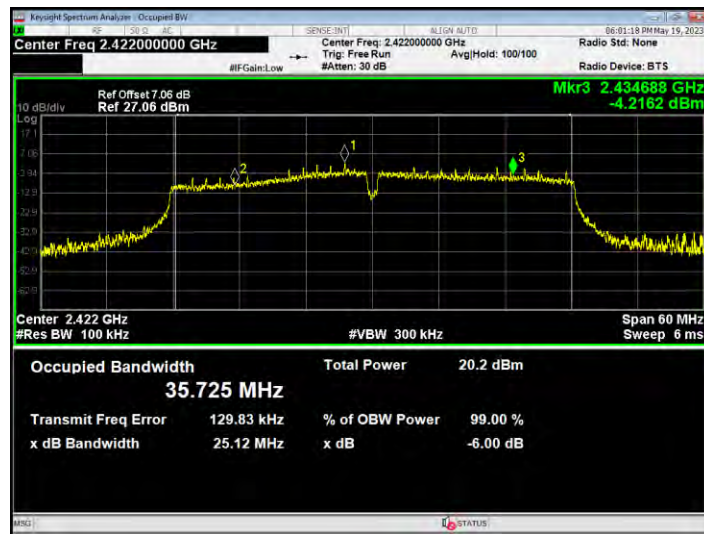
-6dB Bandwidth NVNT n20 2437MHz Ant1



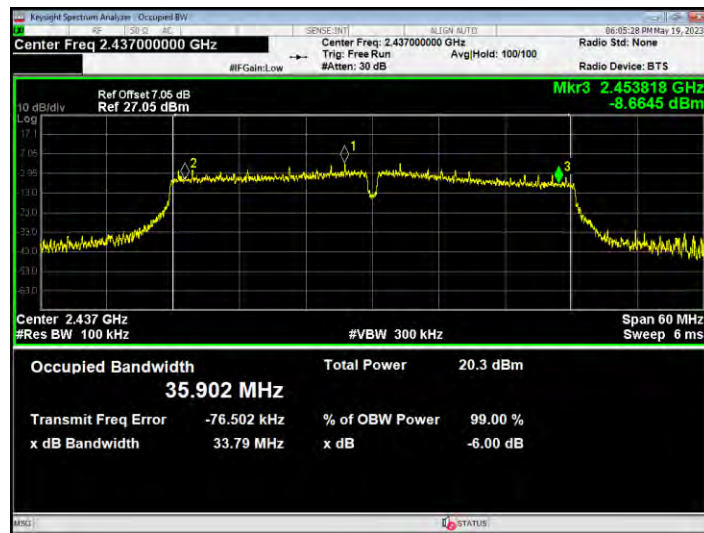
-6dB Bandwidth NVNT n20 2462MHz Ant1



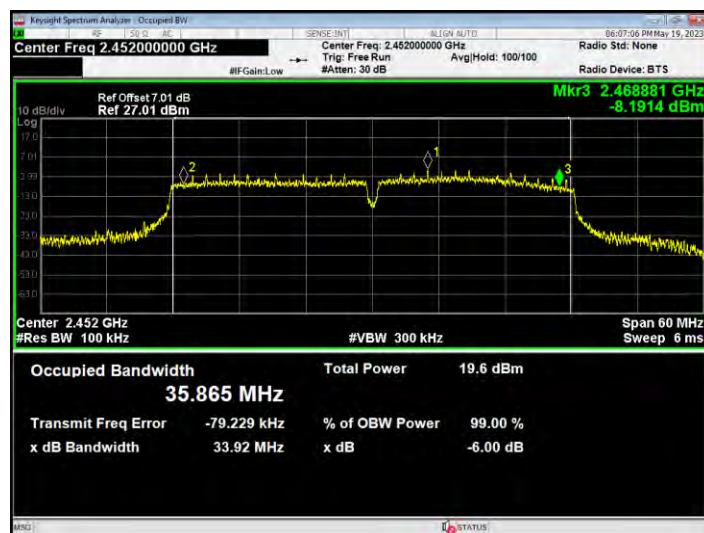
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



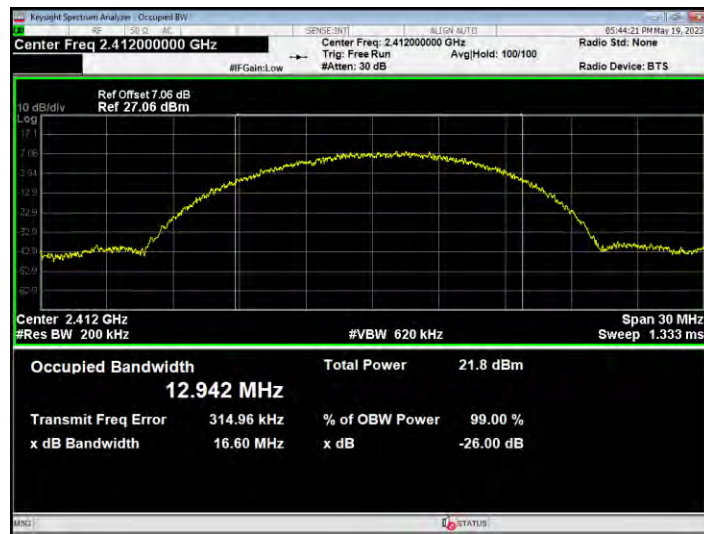
-6dB Bandwidth NVNT n40 2452MHz Ant1



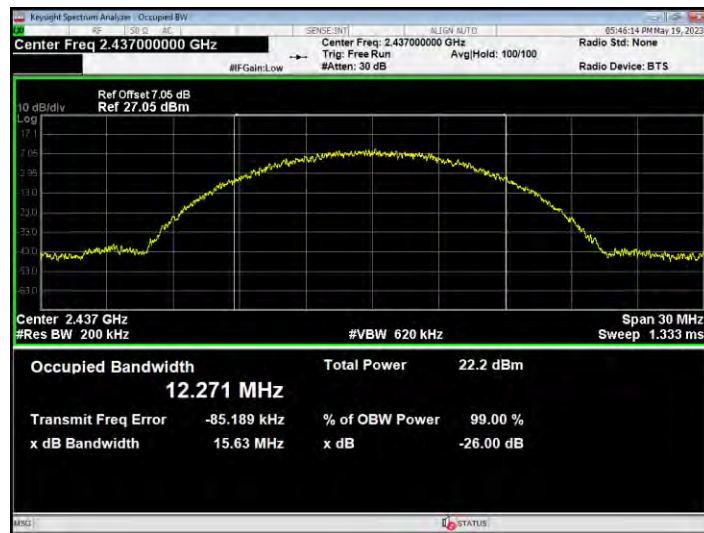
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.94200425
NVNT	b	2437	Ant1	12.27079564
NVNT	b	2462	Ant1	12.01163816
NVNT	g	2412	Ant1	16.45828827
NVNT	g	2437	Ant1	16.29136405
NVNT	g	2462	Ant1	16.23575172
NVNT	n20	2412	Ant1	17.7056399
NVNT	n20	2437	Ant1	17.45540511
NVNT	n20	2462	Ant1	17.37916024
NVNT	n40	2422	Ant1	35.83120483
NVNT	n40	2437	Ant1	36.07708901
NVNT	n40	2452	Ant1	36.04371403

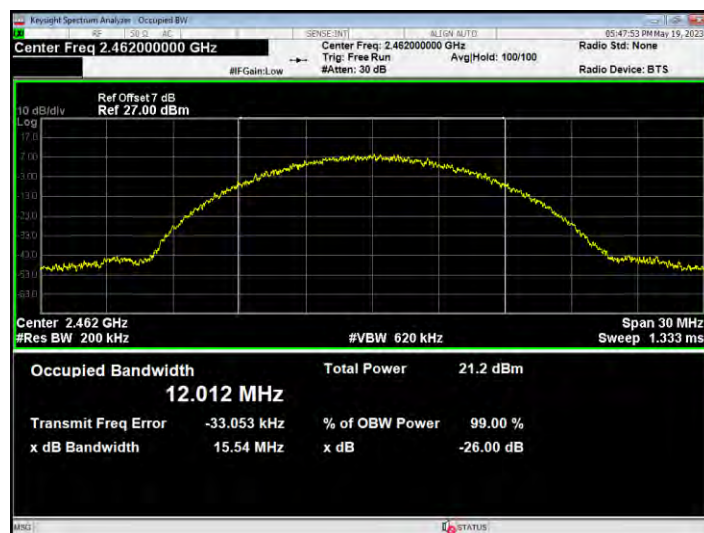
OBW NVNT b 2412MHz Ant1



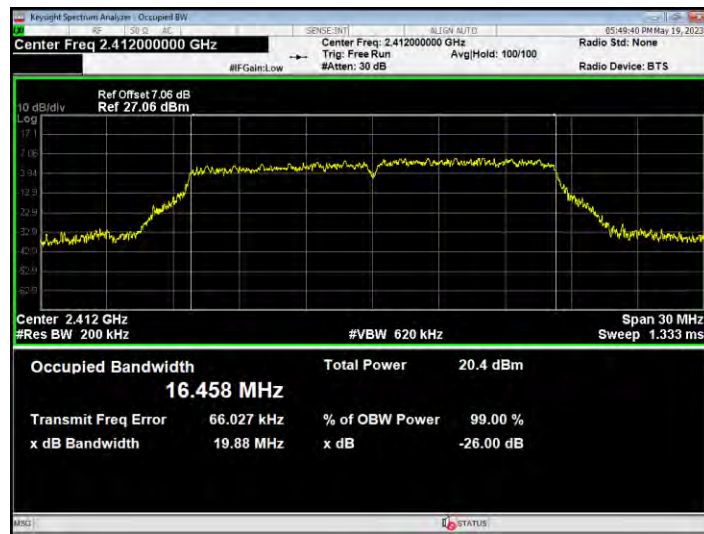
OBW NVNT b 2437MHz Ant1



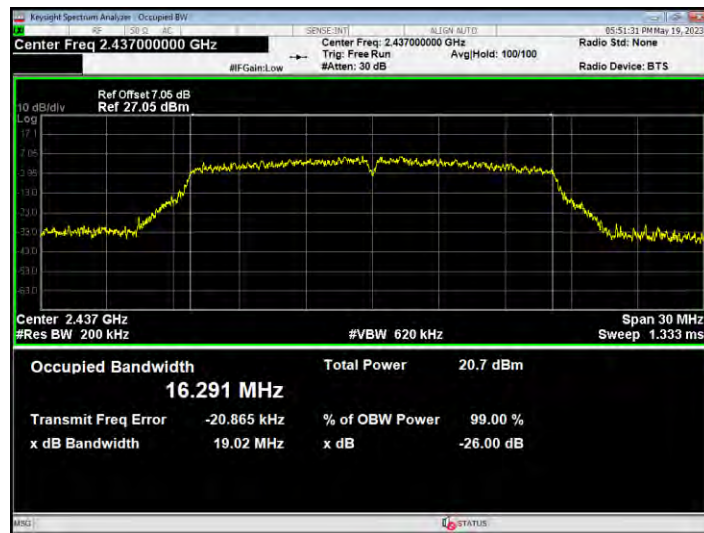
OBW NVNT b 2462MHz Ant1



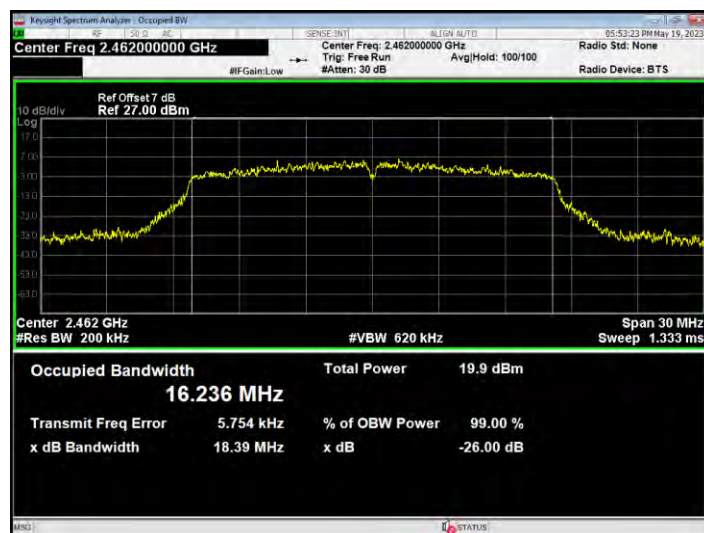
OBW NVNT g 2412MHz Ant1



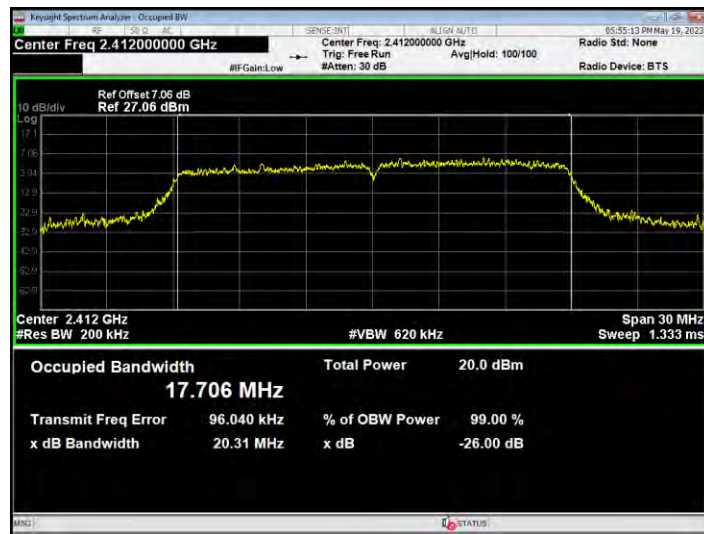
OBW NVNT g 2437MHz Ant1



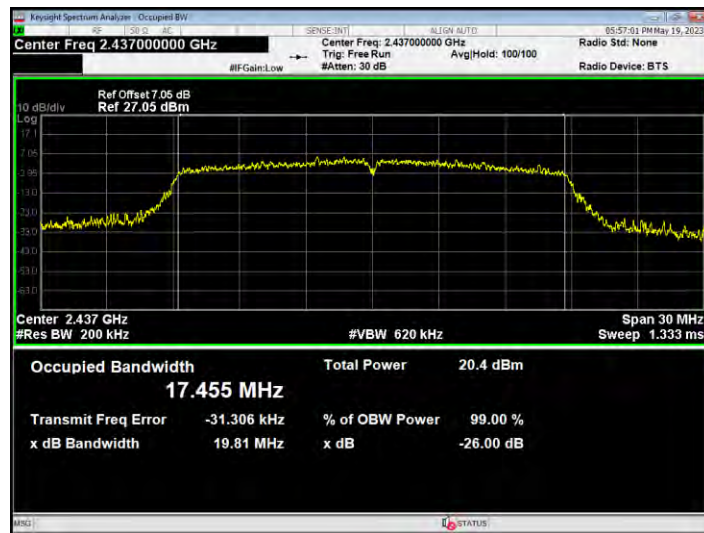
OBW NVNT g 2462MHz Ant1



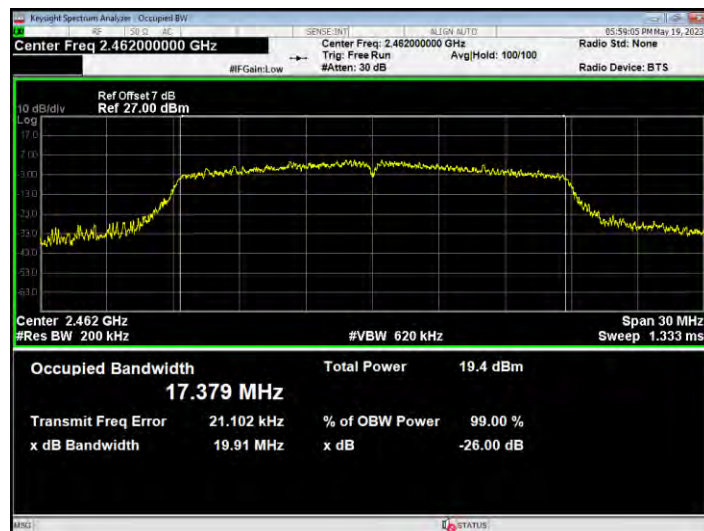
OBW NVNT n20 2412MHz Ant1



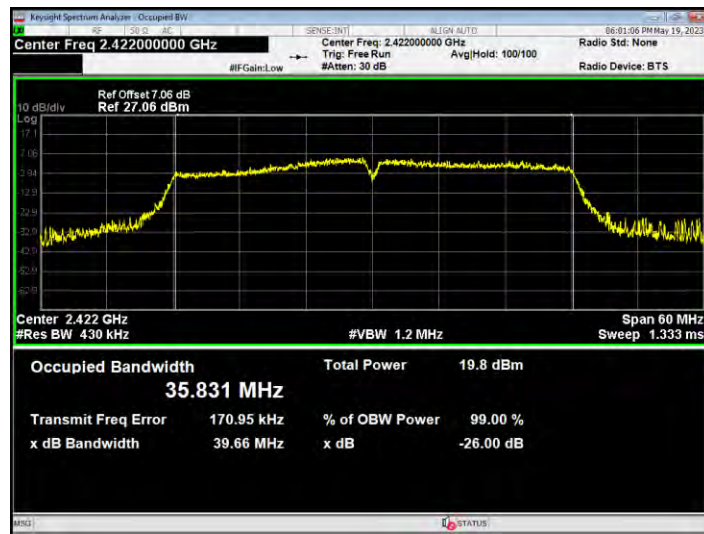
OBW NVNT n20 2437MHz Ant1



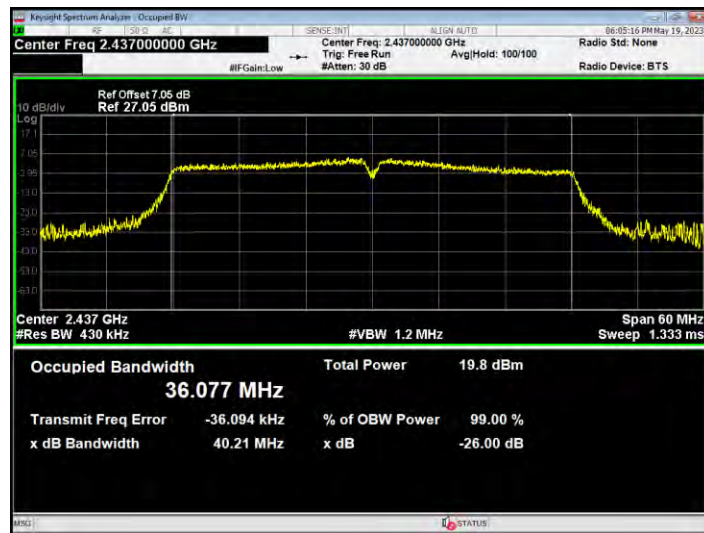
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



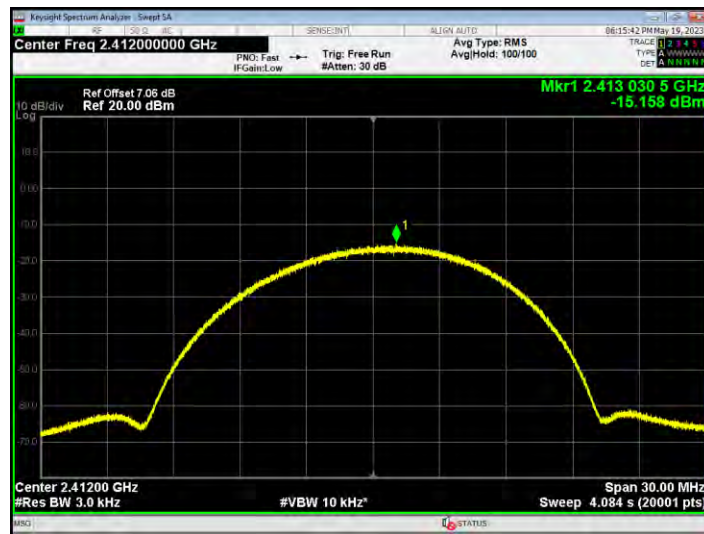
OBW NVNT n40 2452MHz Ant1



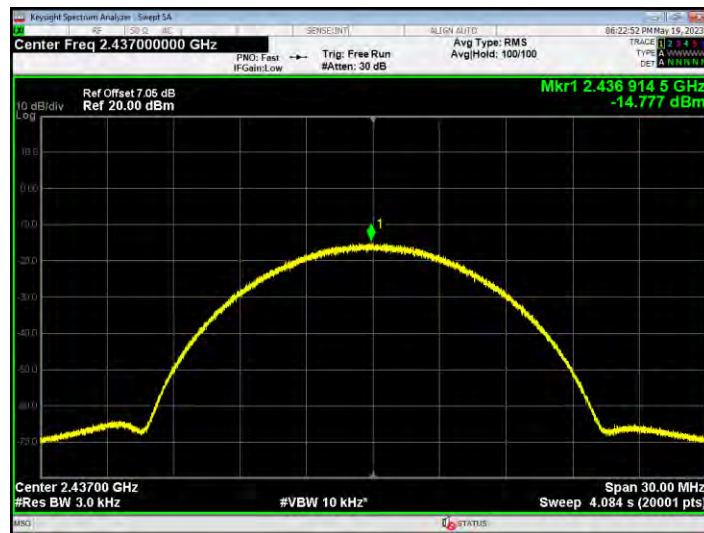
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-15.158	8	Pass
NVNT	b	2437	Ant1	-14.777	8	Pass
NVNT	b	2462	Ant1	-15.466	8	Pass
NVNT	g	2412	Ant1	-19.515	8	Pass
NVNT	g	2437	Ant1	-18.633	8	Pass
NVNT	g	2462	Ant1	-19.264	8	Pass
NVNT	n20	2412	Ant1	-19.41	8	Pass
NVNT	n20	2437	Ant1	-18.627	8	Pass
NVNT	n20	2462	Ant1	-19.775	8	Pass
NVNT	n40	2422	Ant1	-20.098	8	Pass
NVNT	n40	2437	Ant1	-20.128	8	Pass
NVNT	n40	2452	Ant1	-21.503	8	Pass

PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



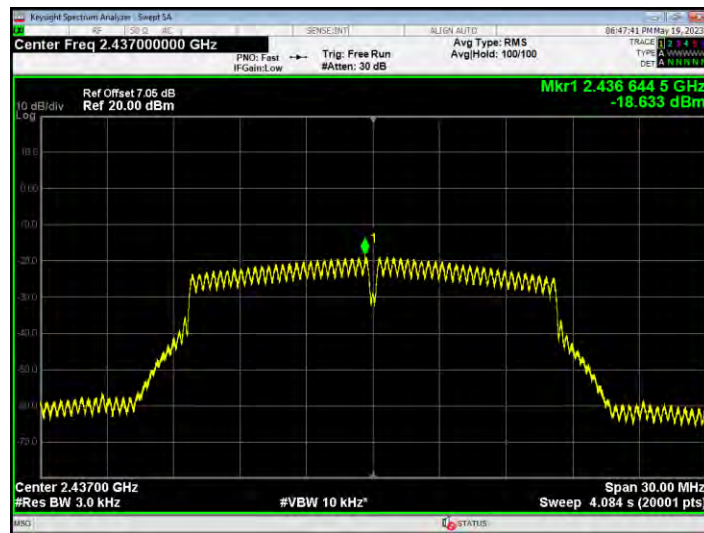
PSD NVNT b 2462MHz Ant1



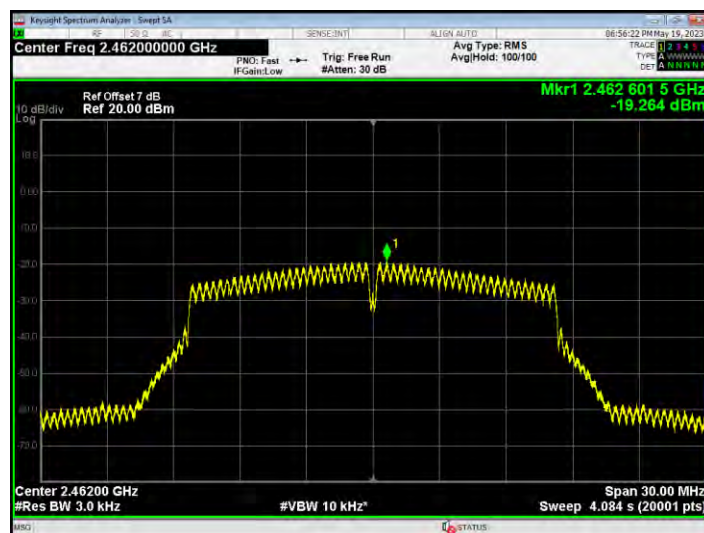
PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



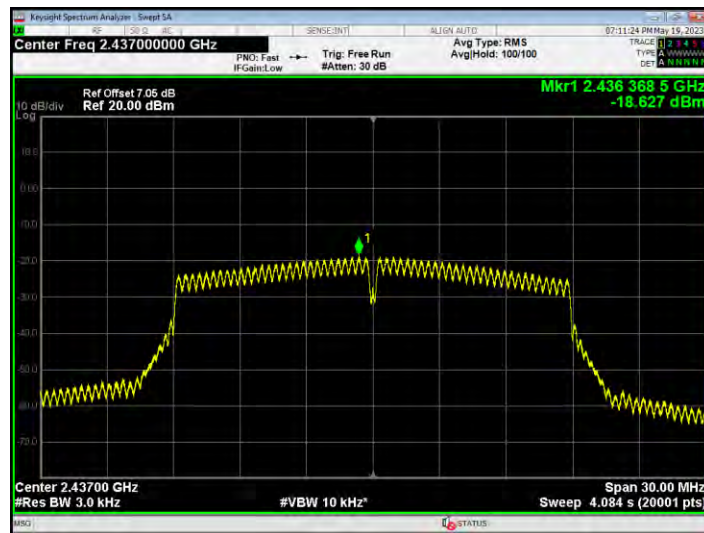
PSD NVNT g 2462MHz Ant1



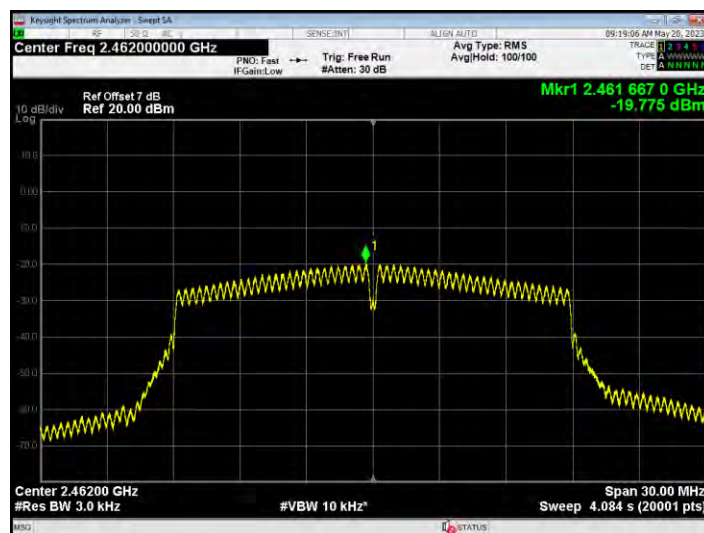
PSD NVNT n20 2412MHz Ant1



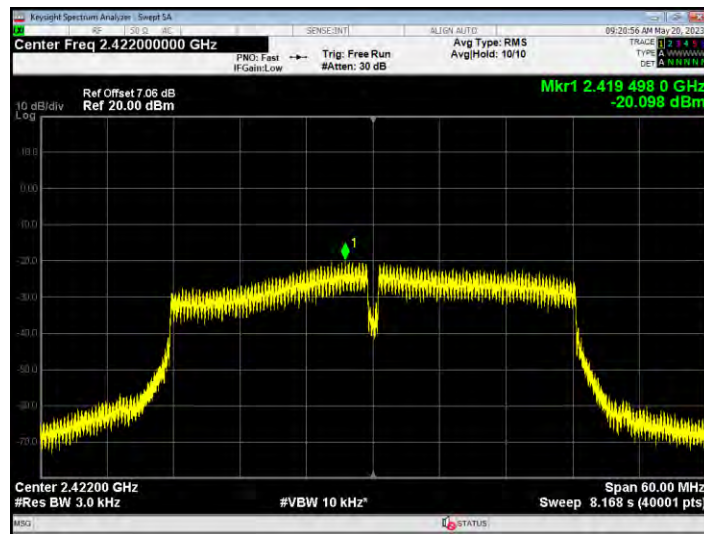
PSD NVNT n20 2437MHz Ant1



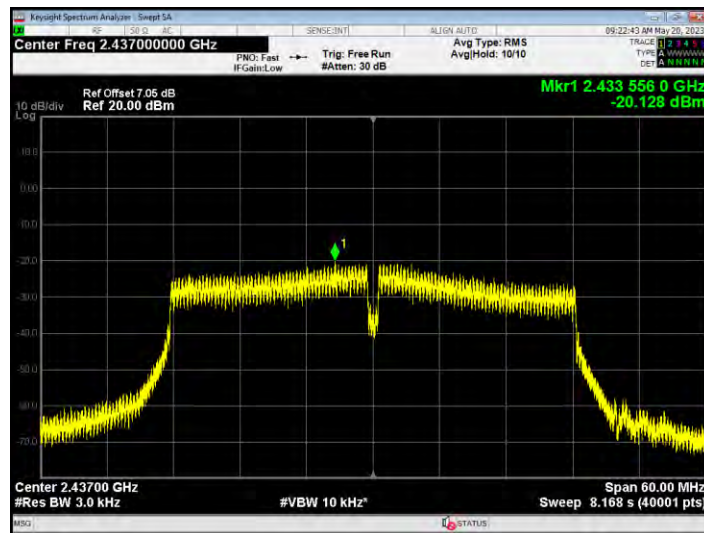
PSD NVNT n20 2462MHz Ant1



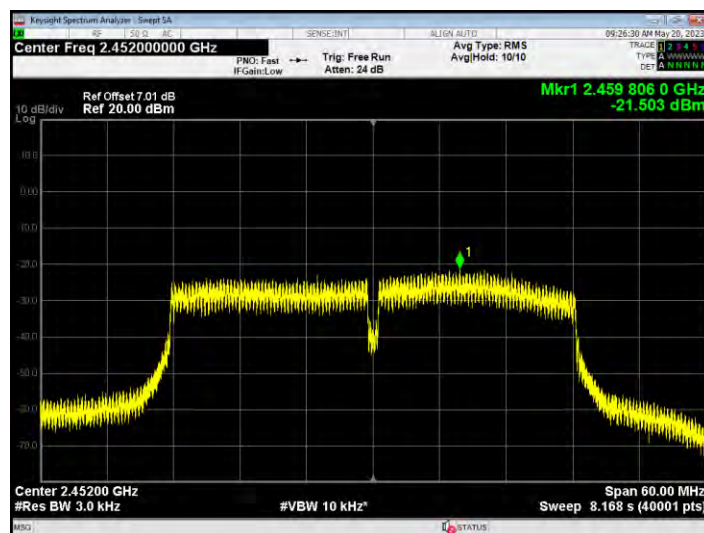
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



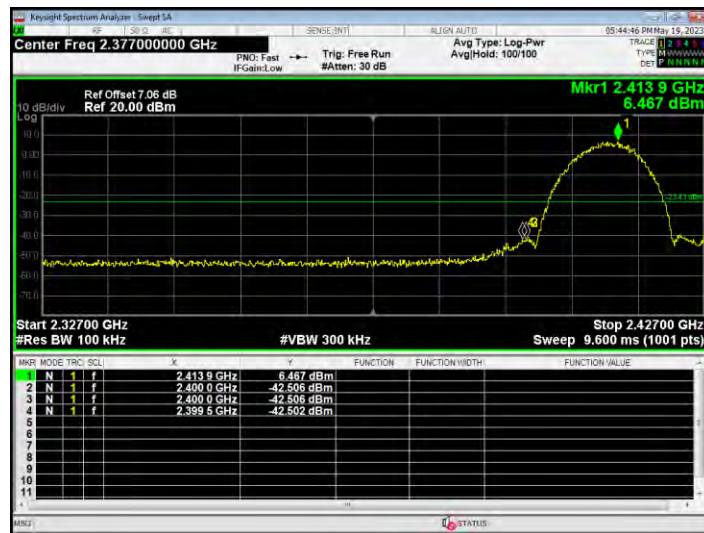
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.08	-30	Pass
NVNT	b	2462	Ant1	-59.21	-30	Pass
NVNT	g	2412	Ant1	-35.44	-30	Pass
NVNT	g	2462	Ant1	-53.42	-30	Pass
NVNT	n20	2412	Ant1	-31.59	-30	Pass
NVNT	n20	2462	Ant1	-53.2	-30	Pass
NVNT	n40	2422	Ant1	-33.71	-30	Pass
NVNT	n40	2452	Ant1	-44.1	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



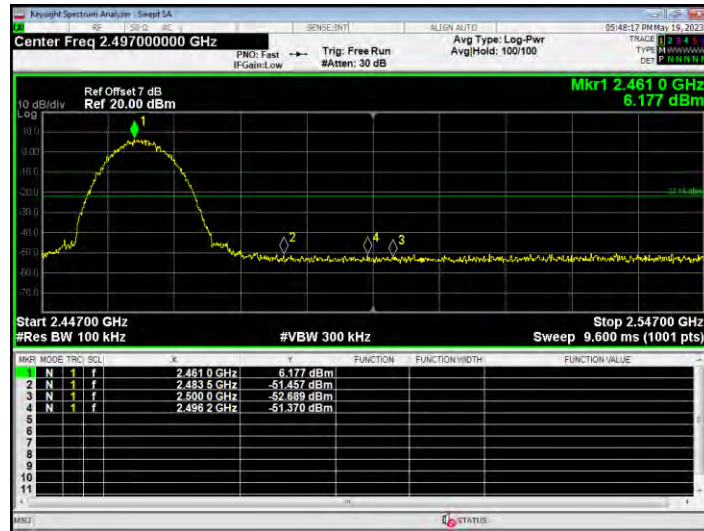
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



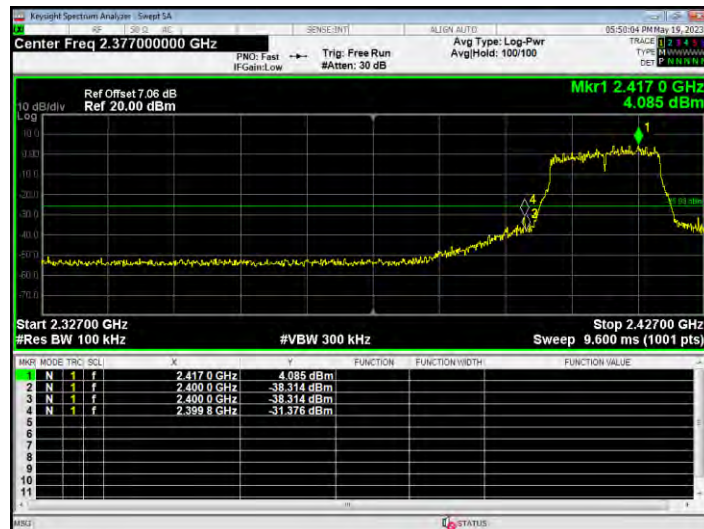
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



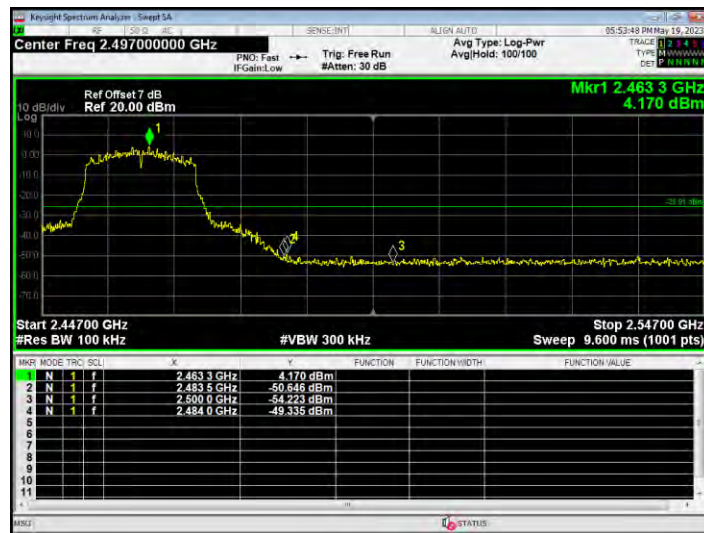
Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



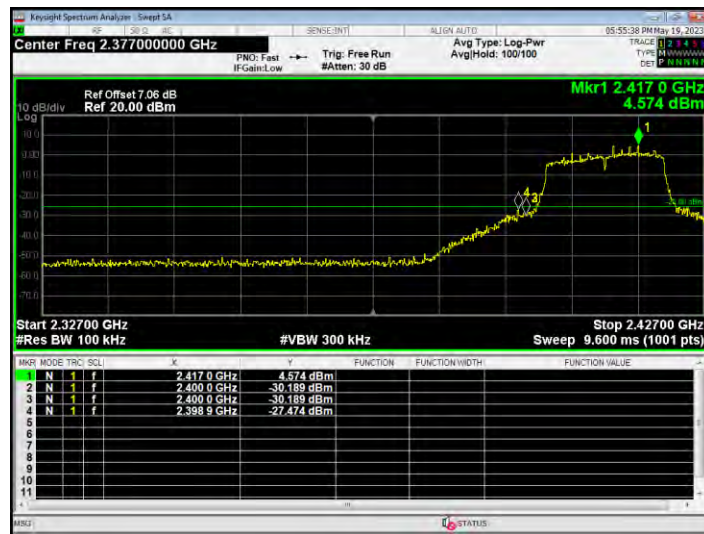
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



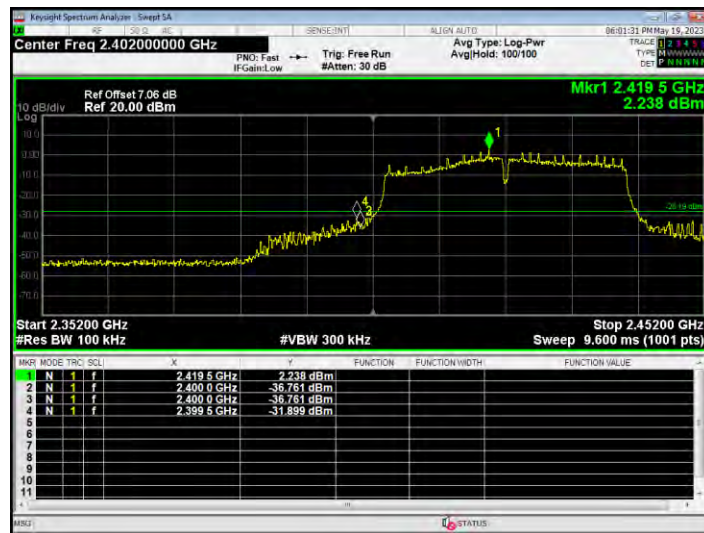
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



Band Edge NVNT n40 2452MHz Ant1 Emission



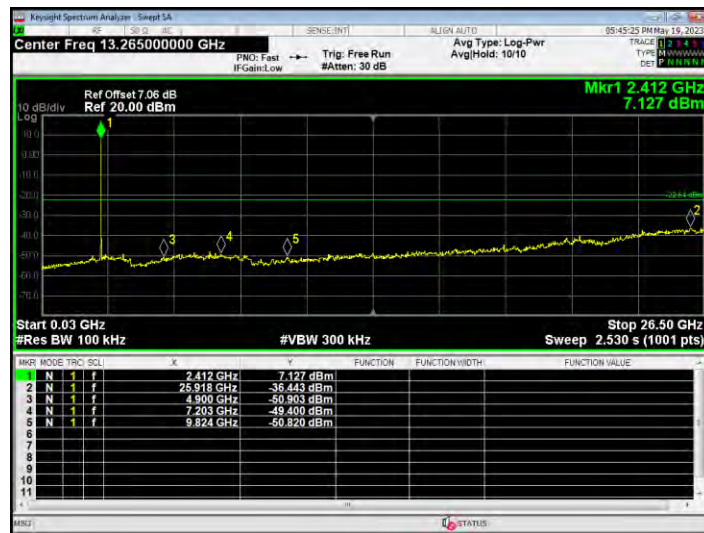
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-43.8	-30	Pass
NVNT	b	2437	Ant1	-43.01	-30	Pass
NVNT	b	2462	Ant1	-42.41	-30	Pass
NVNT	g	2412	Ant1	-40.05	-30	Pass
NVNT	g	2437	Ant1	-40.56	-30	Pass
NVNT	g	2462	Ant1	-40.22	-30	Pass
NVNT	n20	2412	Ant1	-40.43	-30	Pass
NVNT	n20	2437	Ant1	-40.05	-30	Pass
NVNT	n20	2462	Ant1	-39.57	-30	Pass
NVNT	n40	2422	Ant1	-37.48	-30	Pass
NVNT	n40	2437	Ant1	-38.33	-30	Pass
NVNT	n40	2452	Ant1	-36.46	-30	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref



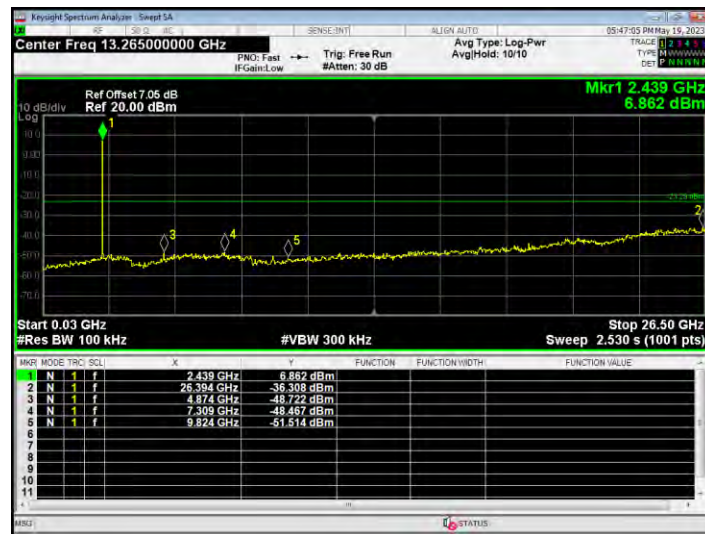
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



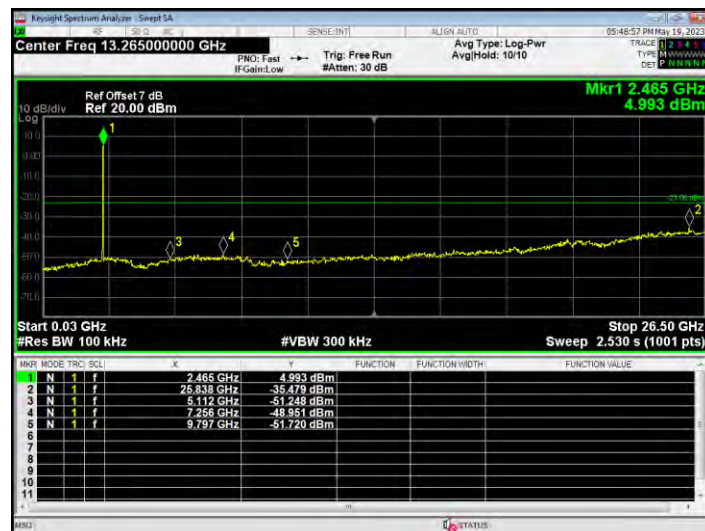
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



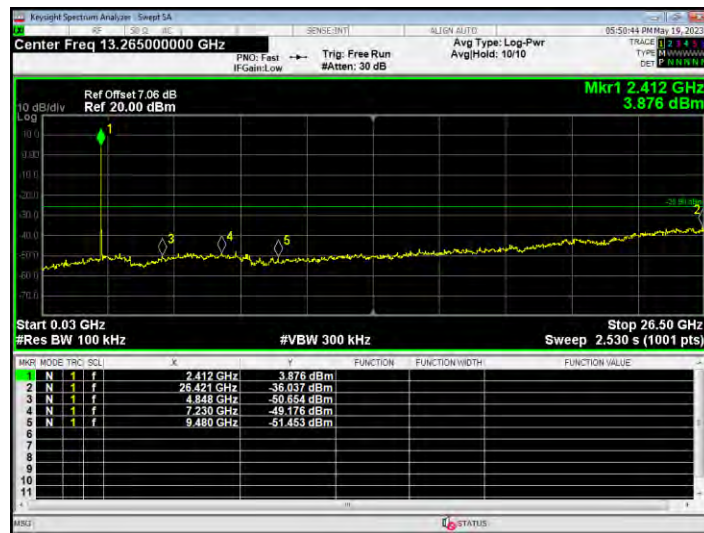
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



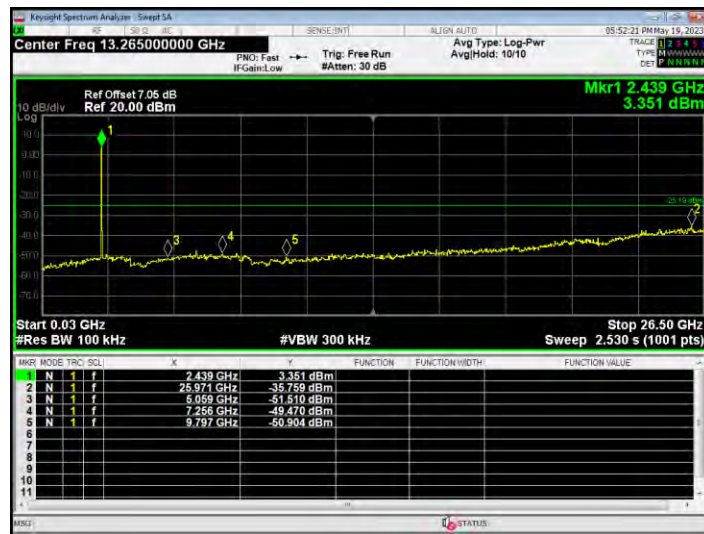
Tx. Spurious NVNT g 2412MHz Ant1 Emission



Tx. Spurious NVNT g 2437MHz Ant1 Ref



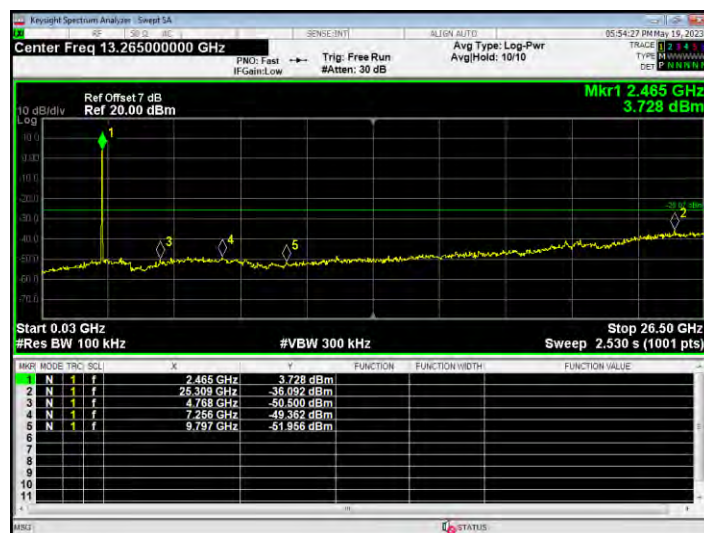
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



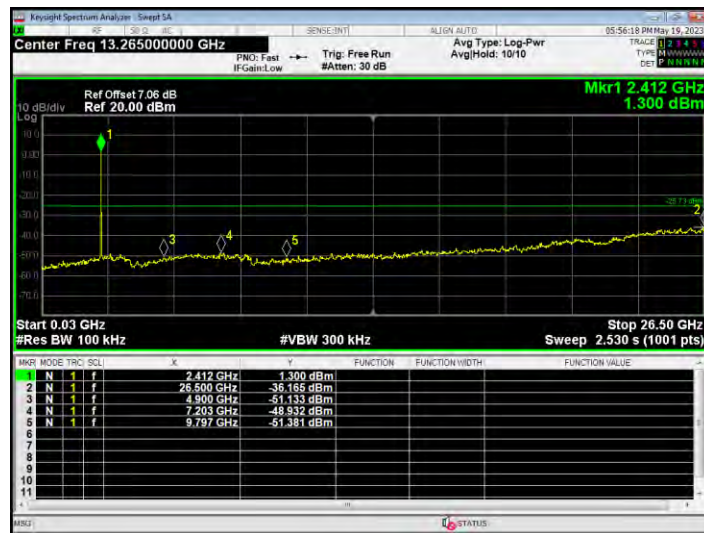
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



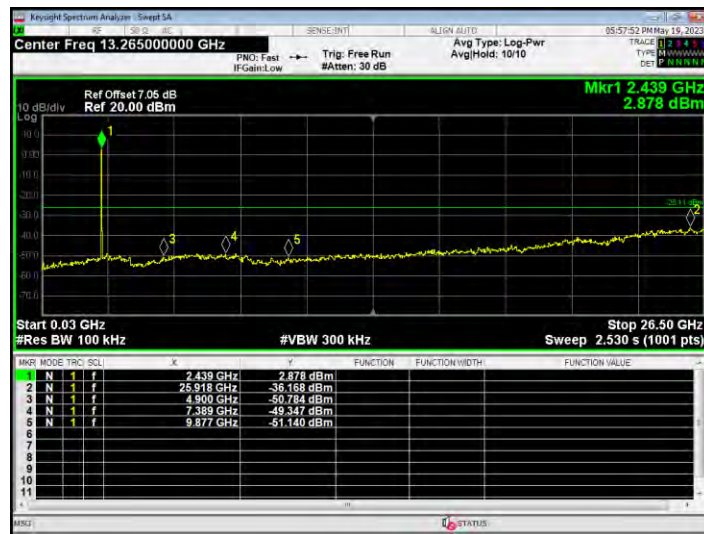
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



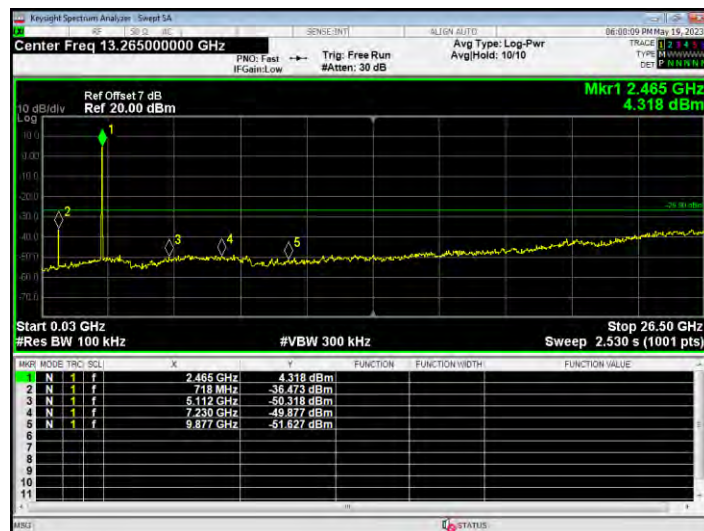
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



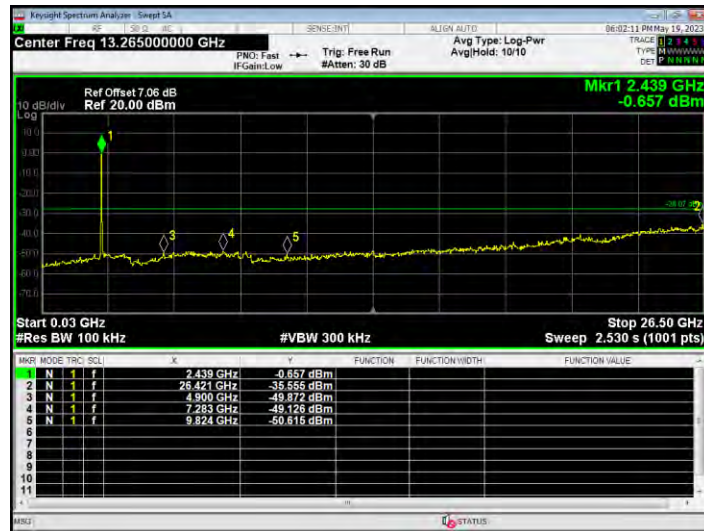
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



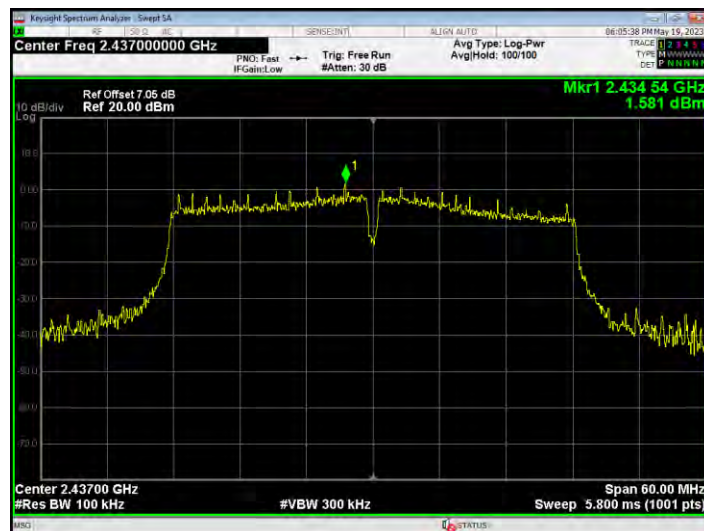
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



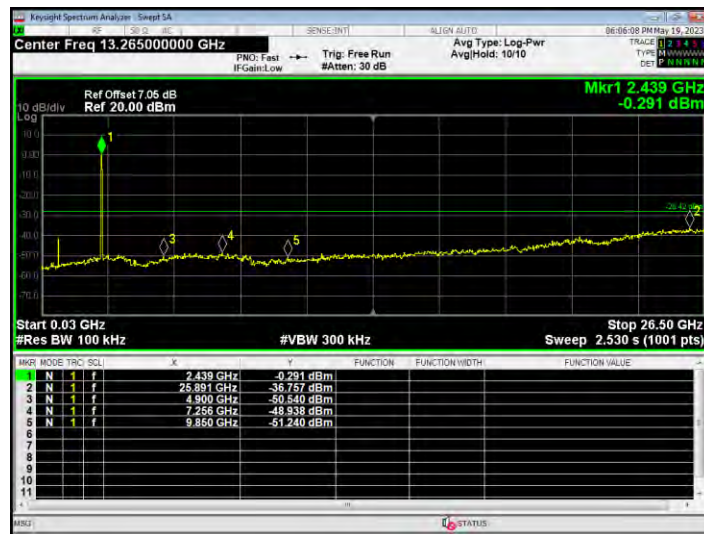
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

