

ANNEX 1

FCC Part 15C Test Report

FCC ID: 2BLBN-JH2001

Applicant: DONGGUAN JIEHONG INTELLIGEN TECHNOLOGY CO.,LTD.

Address: 3-4F, No.8, Jinsheng Road, Jinxia Village, Chang'an Town, Dongguan City, Guangdong Province, China

Manufacturer: DONGGUAN JIEHONG INTELLIGEN TECHNOLOGY CO.,LTD.

Address: 3-4F, No.8, Jinsheng Road, Jinxia Village, Chang'an Town, Dongguan City, Guangdong Province, China

EUT: Intelligent interactive integrated machine

Trade Mark: N/A

Model Number: JH2001, JH2002, JH2201, JH2202, JH2203, JH2308, JH2401, JH2701, JH2702, JH3201, JH3202

Date of Receipt: Aug. 22, 2023

Test Date: Aug. 22, 2024 - Sep. 10, 2024

Date of Report: Sep. 10, 2024

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

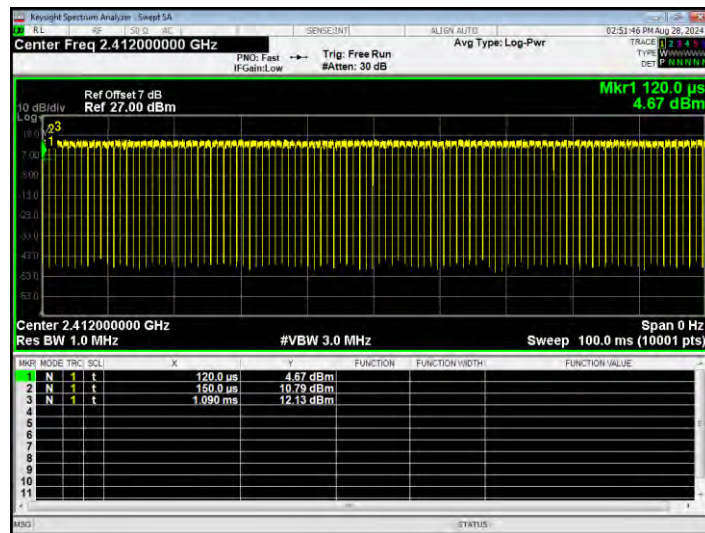
Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2013

Test Result: Pass

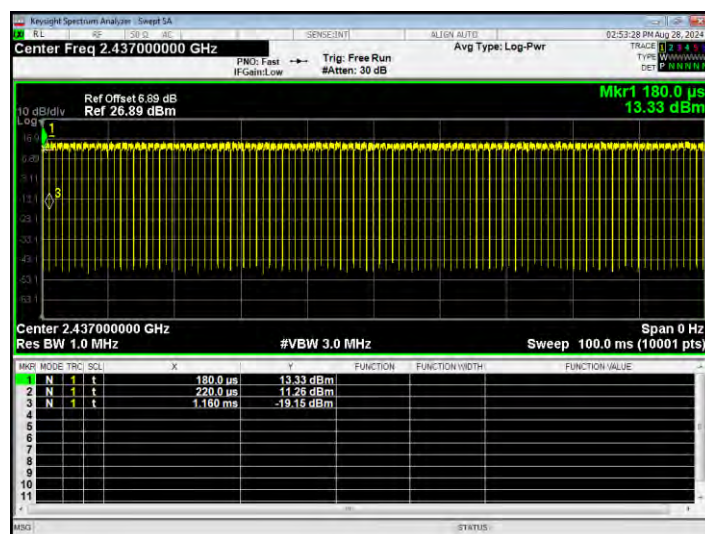
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	96.91	0.14
NVNT	b	2437	Ant1	95.92	0.18
NVNT	b	2462	Ant1	95.92	0.18
NVNT	g	2412	Ant1	81.82	0.87
NVNT	g	2437	Ant1	81.82	0.87
NVNT	g	2462	Ant1	81.82	0.87
NVNT	n20	2412	Ant1	97.01	0.13
NVNT	n20	2437	Ant1	97.01	0.13
NVNT	n20	2462	Ant1	97.01	0.13
NVNT	n40	2422	Ant1	94.2	0.26
NVNT	n40	2437	Ant1	94.2	0.26
NVNT	n40	2452	Ant1	94.2	0.26

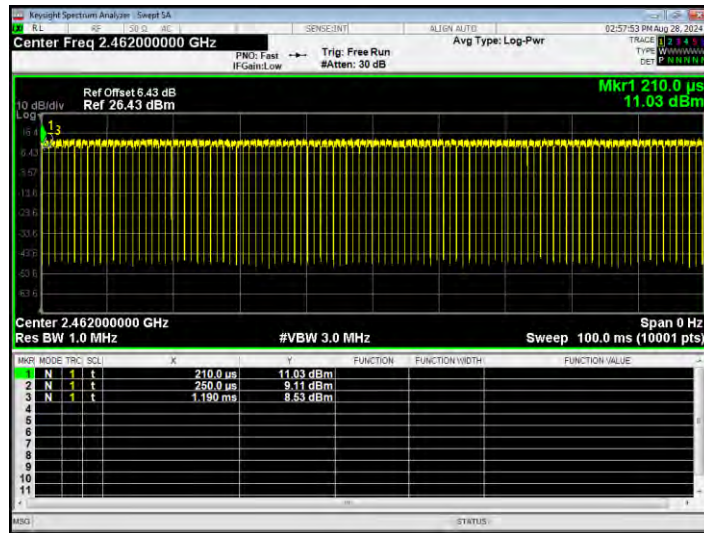
Duty Cycle NVNT b 2412MHz Ant1



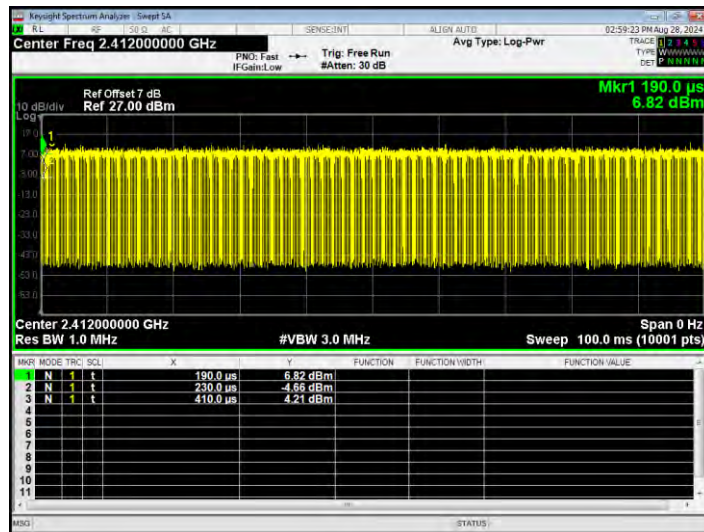
Duty Cycle NVNT b 2437MHz Ant1



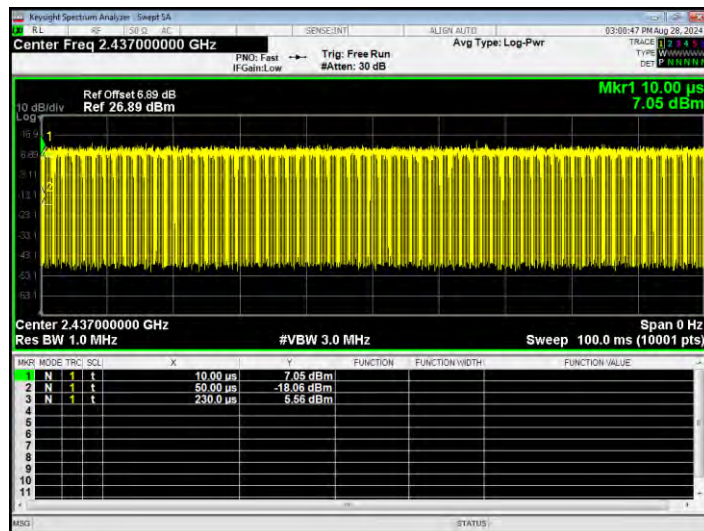
Duty Cycle NVNT b 2462MHz Ant1



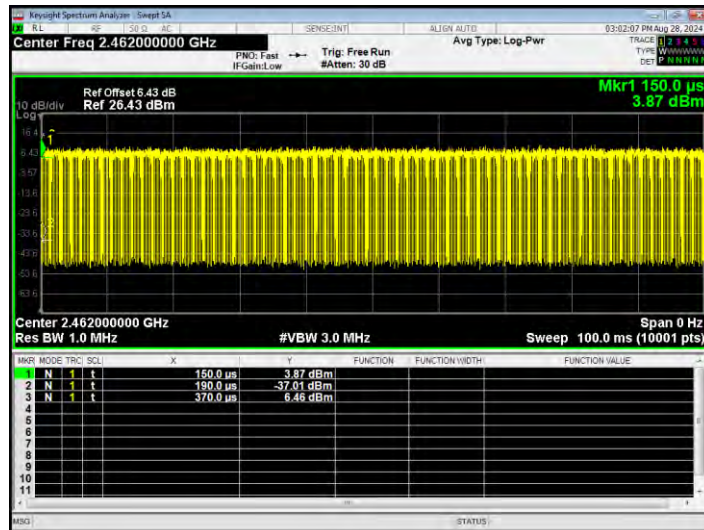
Duty Cycle NVNT g 2412MHz Ant1



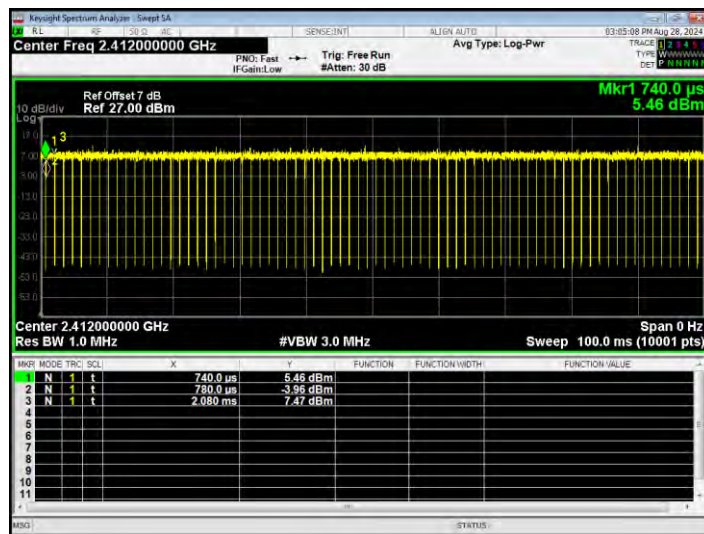
Duty Cycle NVNT g 2437MHz Ant1



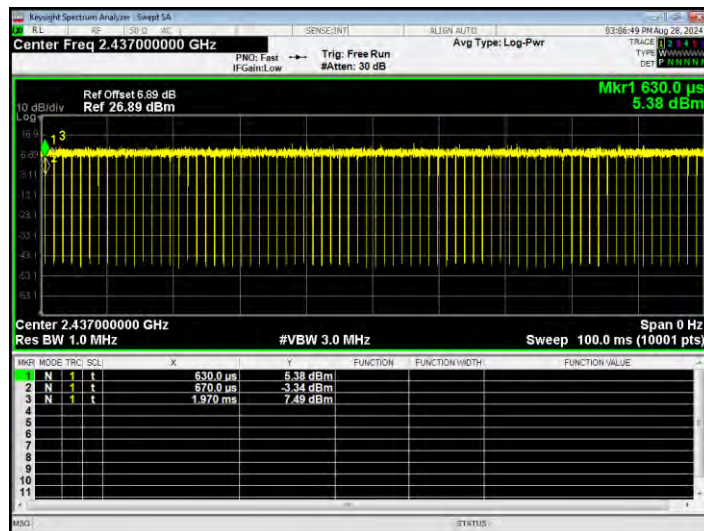
Duty Cycle NVNT g 2462MHz Ant1



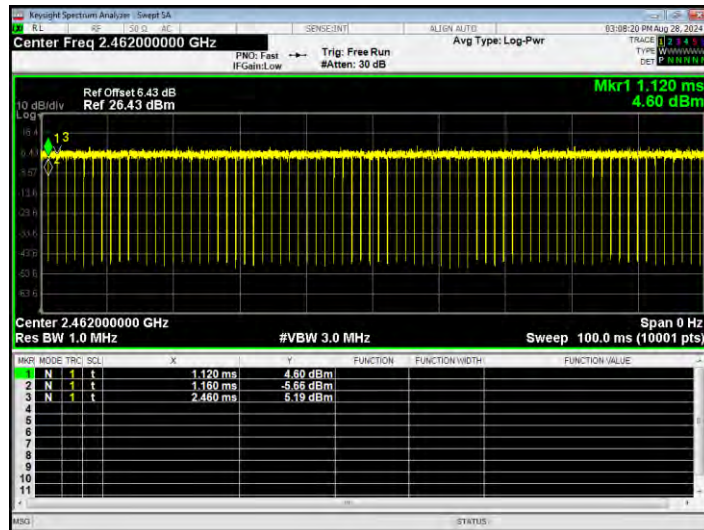
Duty Cycle NVNT n20 2412MHz Ant1



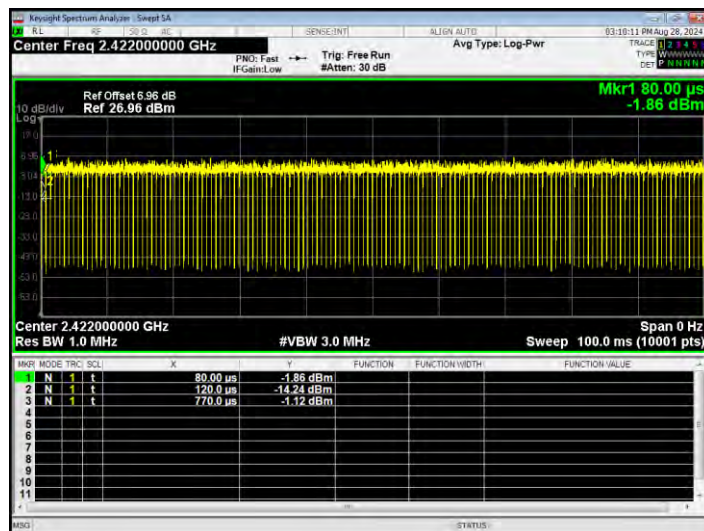
Duty Cycle NVNT n20 2437MHz Ant1



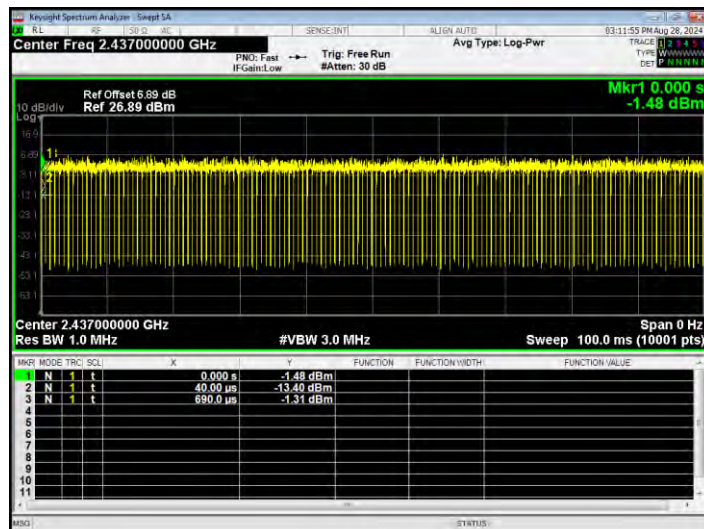
Duty Cycle NVNT n20 2462MHz Ant1



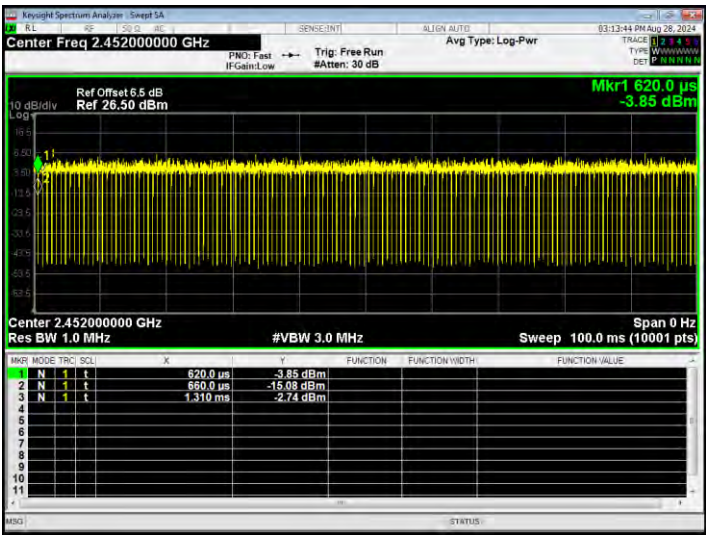
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



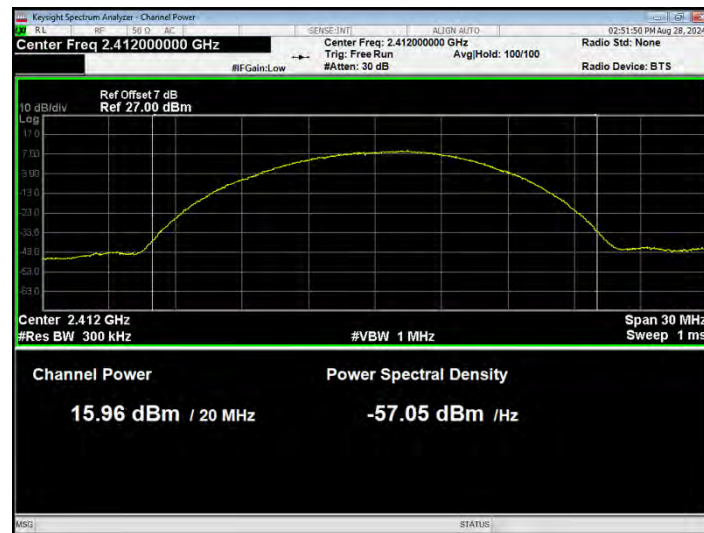
Duty Cycle NVNT n40 2452MHz Ant1



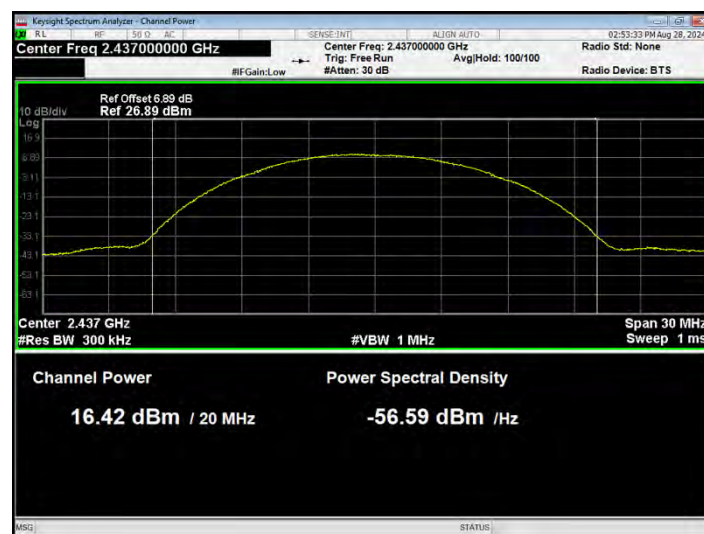
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.96	0.14	16.1	30	Pass
NVNT	b	2437	Ant1	16.418	0.18	16.598	30	Pass
NVNT	b	2462	Ant1	14.653	0.18	14.833	30	Pass
NVNT	g	2412	Ant1	12.83	0.87	13.7	30	Pass
NVNT	g	2437	Ant1	13.388	0.87	14.258	30	Pass
NVNT	g	2462	Ant1	11.328	0.87	12.198	30	Pass
NVNT	n20	2412	Ant1	13.807	0.13	13.937	30	Pass
NVNT	n20	2437	Ant1	14.309	0.13	14.439	30	Pass
NVNT	n20	2462	Ant1	12.176	0.13	12.306	30	Pass
NVNT	n40	2422	Ant1	13.403	0.26	13.663	24	Pass
NVNT	n40	2437	Ant1	13.42	0.26	13.68	30	Pass
NVNT	n40	2452	Ant1	12.288	0.26	12.548	30	Pass

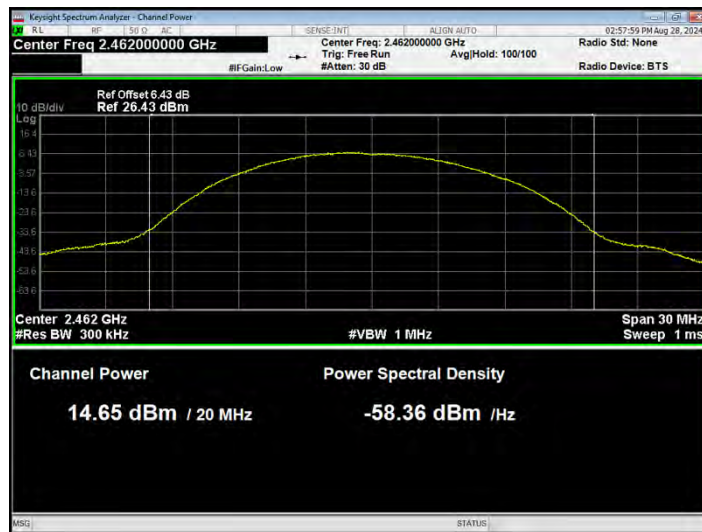
Power NVNT b 2412MHz Ant1



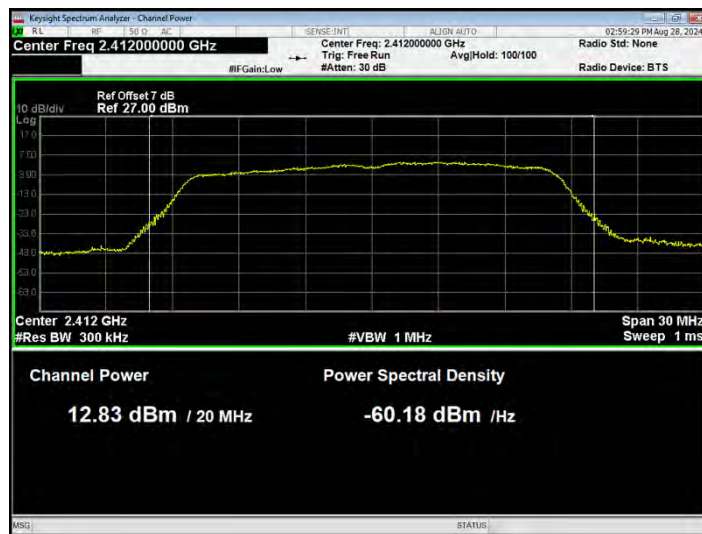
Power NVNT b 2437MHz Ant1



Power NVNT b 2462MHz Ant1



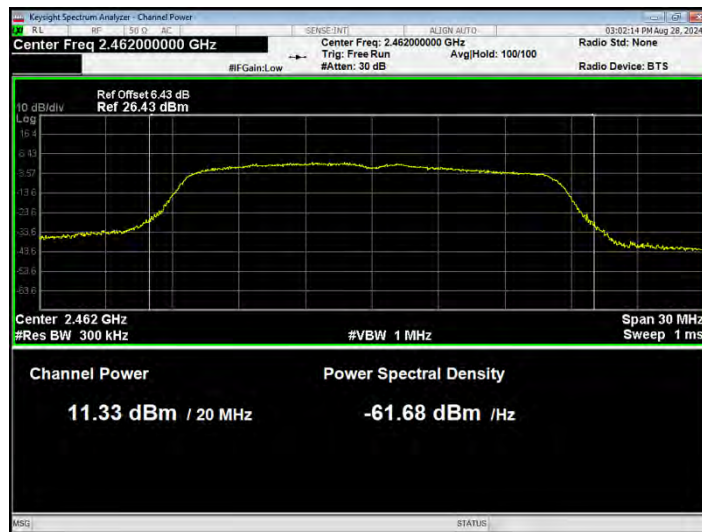
Power NVNT g 2412MHz Ant1



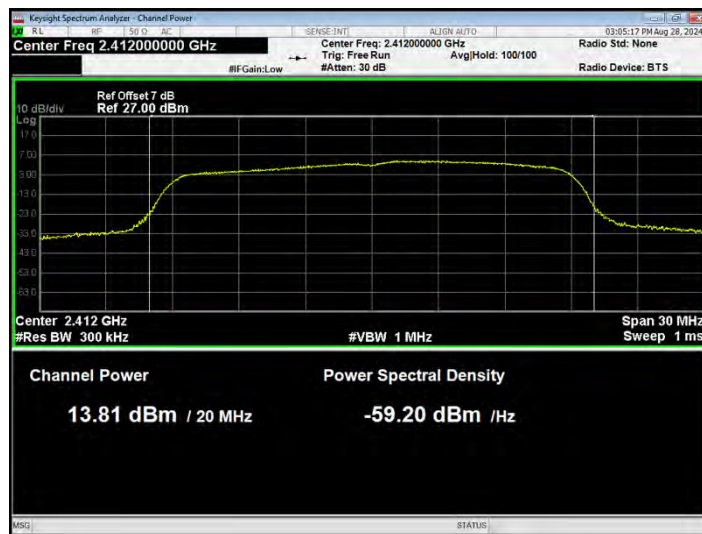
Power NVNT g 2437MHz Ant1



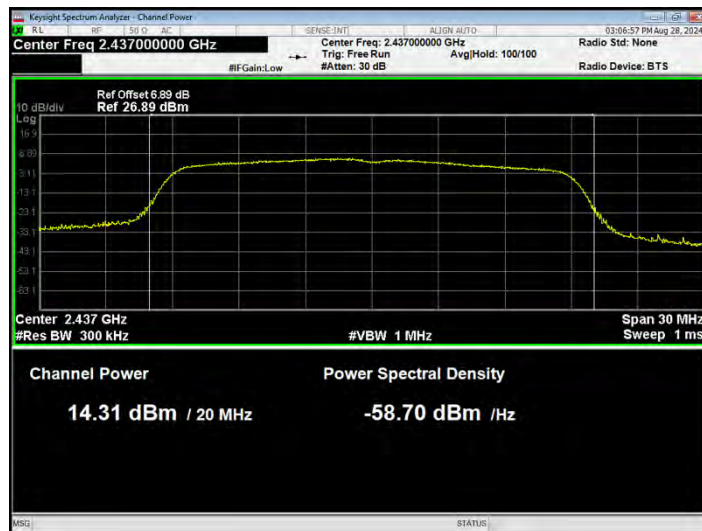
Power NVNT g 2462MHz Ant1



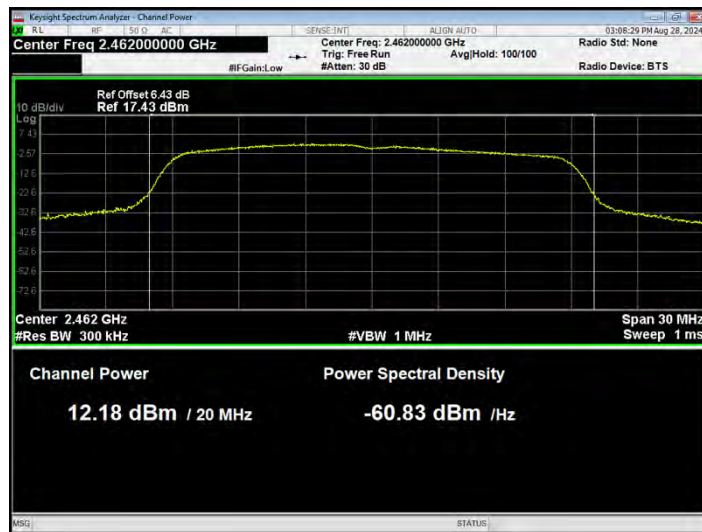
Power NVNT n20 2412MHz Ant1



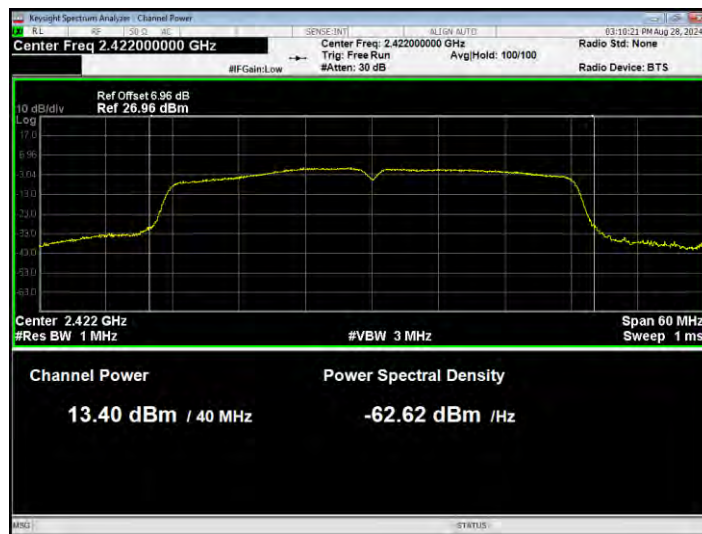
Power NVNT n20 2437MHz Ant1



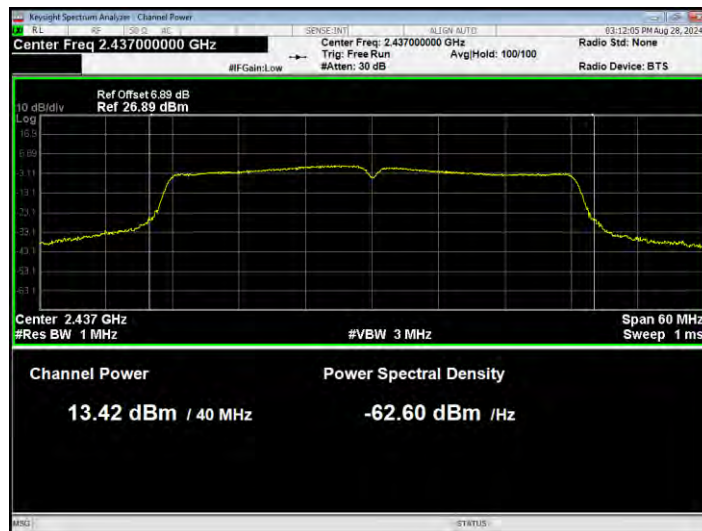
Power NVNT n20 2462MHz Ant1



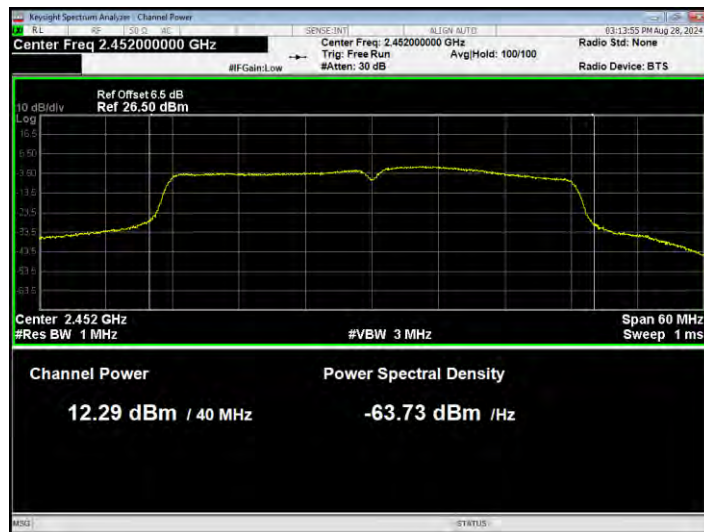
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



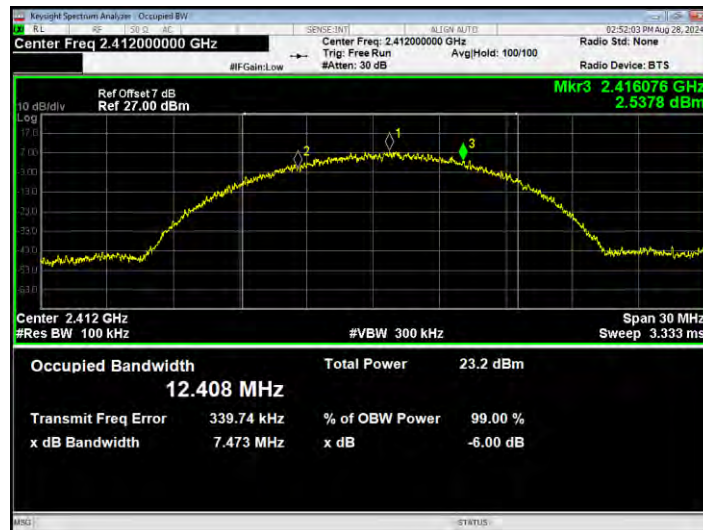
Power NVNT n40 2452MHz Ant1



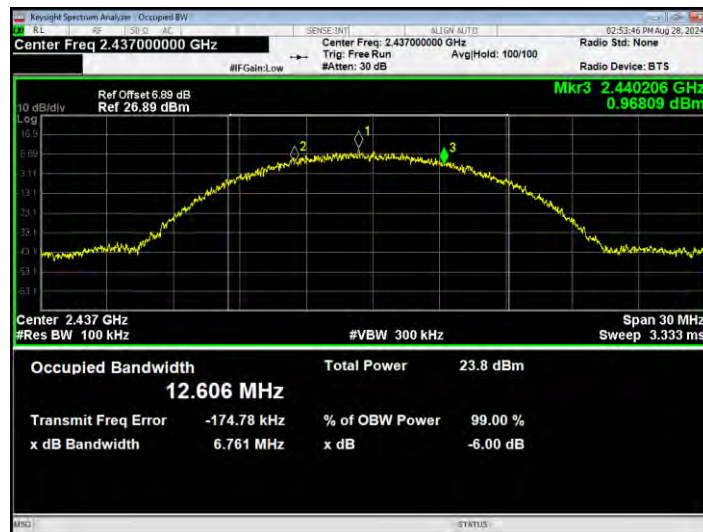
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.473	0.5	Pass
NVNT	b	2437	Ant1	6.761	0.5	Pass
NVNT	b	2462	Ant1	7.495	0.5	Pass
NVNT	g	2412	Ant1	15.396	0.5	Pass
NVNT	g	2437	Ant1	15.401	0.5	Pass
NVNT	g	2462	Ant1	15.321	0.5	Pass
NVNT	n20	2412	Ant1	13.798	0.5	Pass
NVNT	n20	2437	Ant1	13.882	0.5	Pass
NVNT	n20	2462	Ant1	12.52	0.5	Pass
NVNT	n40	2422	Ant1	26.326	0.5	Pass
NVNT	n40	2437	Ant1	35.105	0.5	Pass
NVNT	n40	2452	Ant1	31.287	0.5	Pass

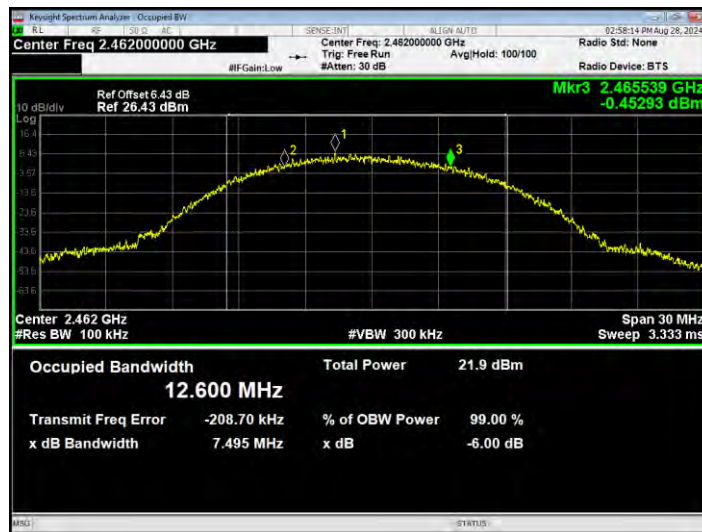
-6dB Bandwidth NVNT b 2412MHz Ant1



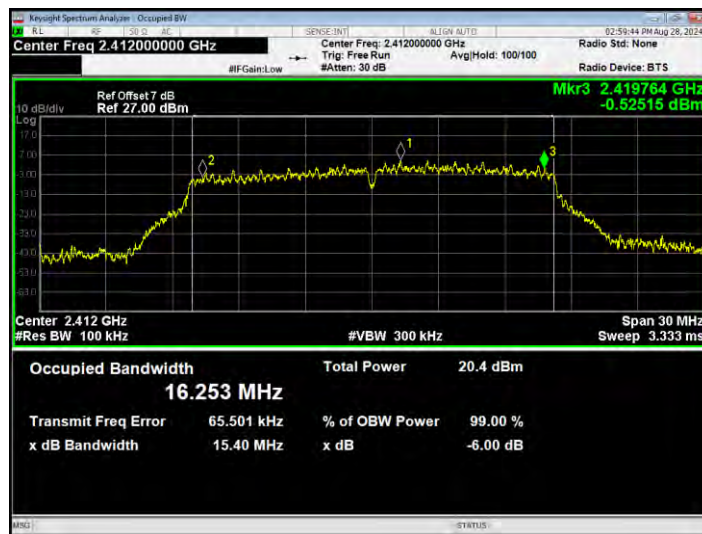
-6dB Bandwidth NVNT b 2437MHz Ant1



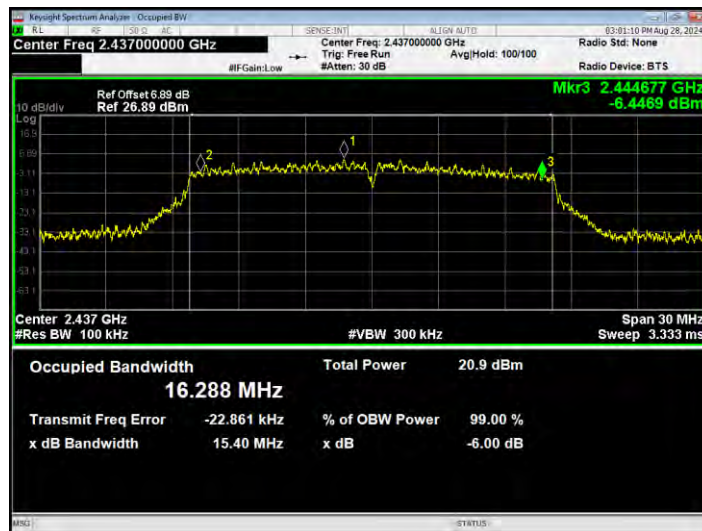
-6dB Bandwidth NVNT b 2462MHz Ant1



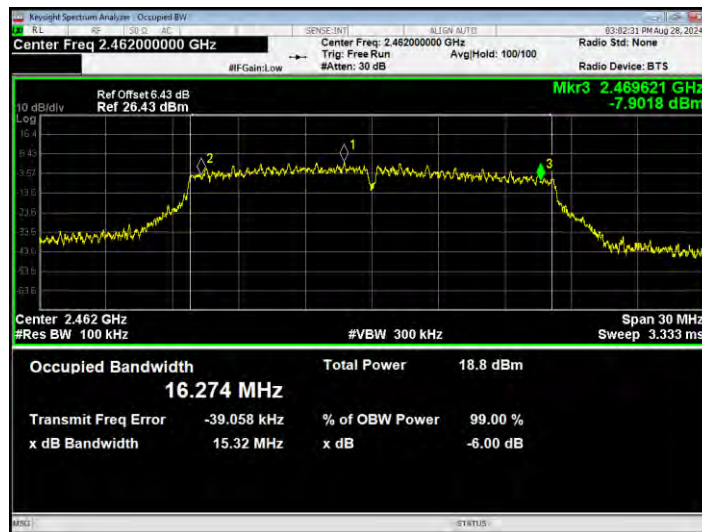
-6dB Bandwidth NVNT g 2412MHz Ant1



-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



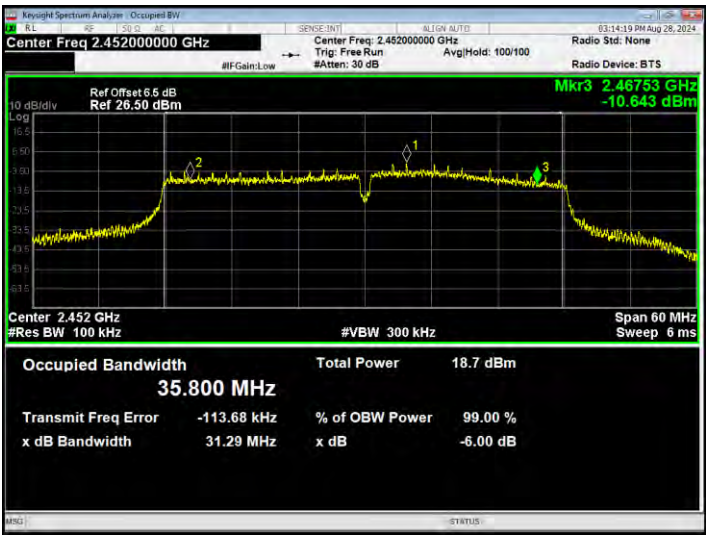
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



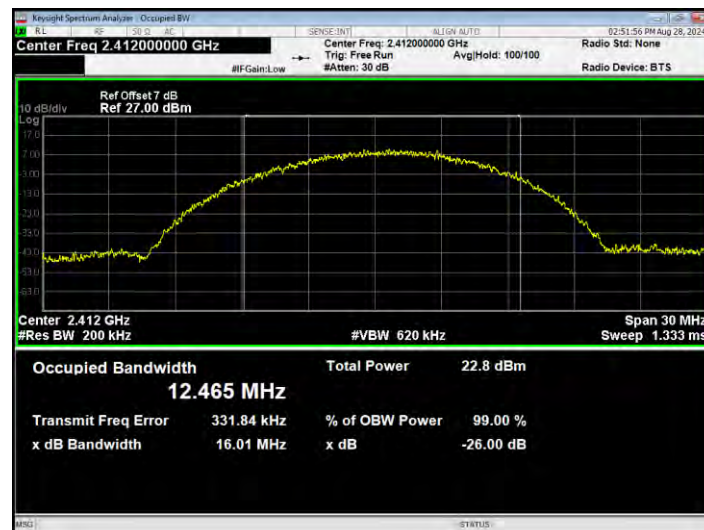
-6dB Bandwidth NVNT n40 2452MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.46475116
NVNT	b	2437	Ant1	12.53257516
NVNT	b	2462	Ant1	12.69400616
NVNT	g	2412	Ant1	16.32062329
NVNT	g	2437	Ant1	16.29850989
NVNT	g	2462	Ant1	16.2899748
NVNT	n20	2412	Ant1	17.50678574
NVNT	n20	2437	Ant1	17.51302882
NVNT	n20	2462	Ant1	17.46333088
NVNT	n40	2422	Ant1	35.64588413
NVNT	n40	2437	Ant1	36.1282605
NVNT	n40	2452	Ant1	35.97295799

OBW NVNT b 2412MHz Ant1



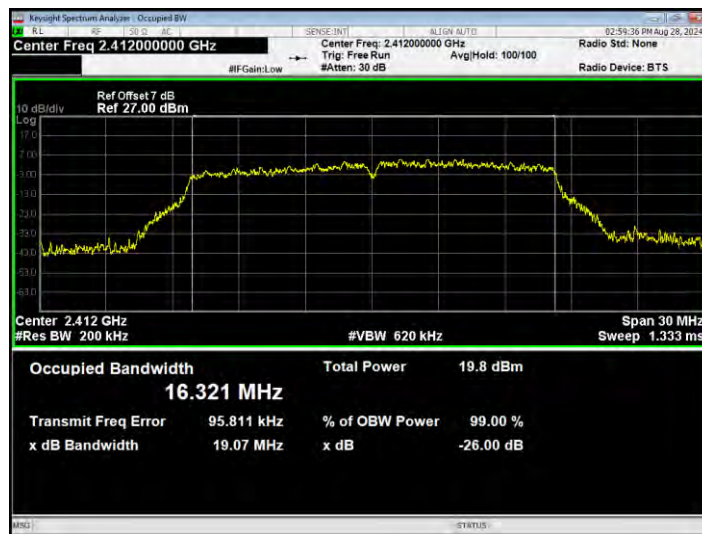
OBW NVNT b 2437MHz Ant1



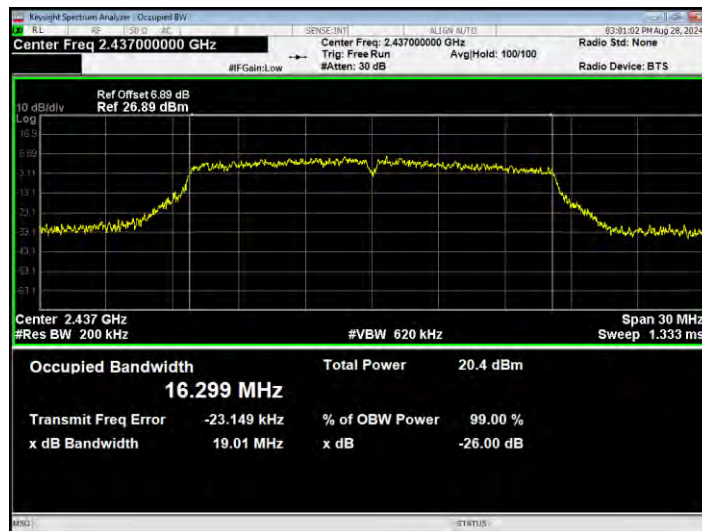
OBW NVNT b 2462MHz Ant1



OBW NVNT g 2412MHz Ant1



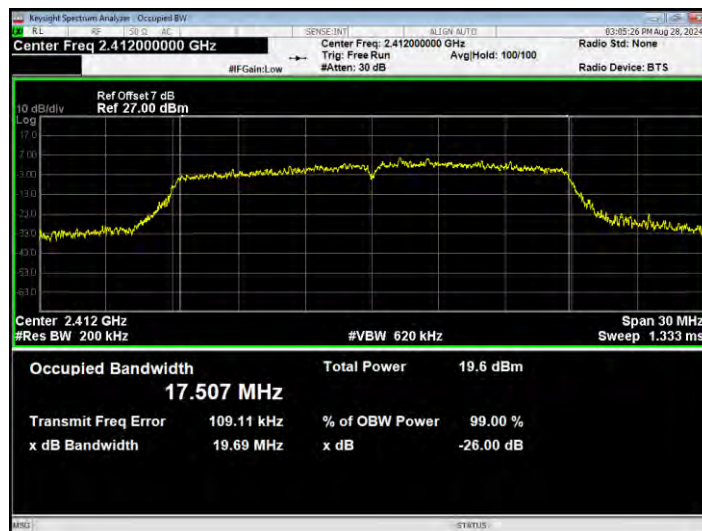
OBW NVNT g 2437MHz Ant1



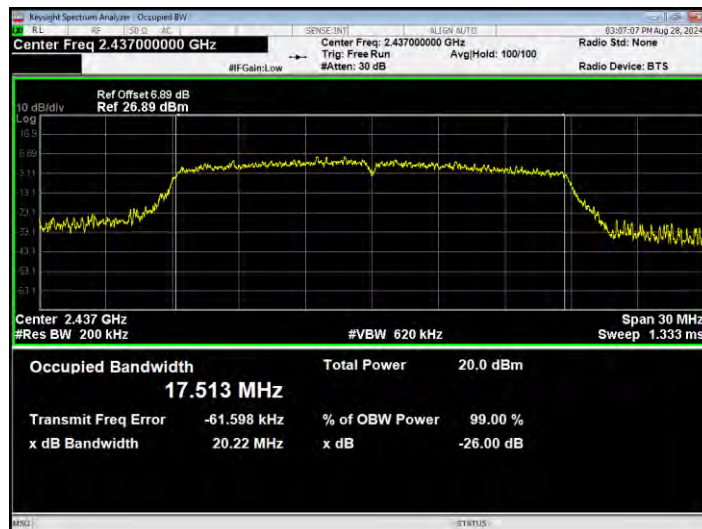
OBW NVNT g 2462MHz Ant1



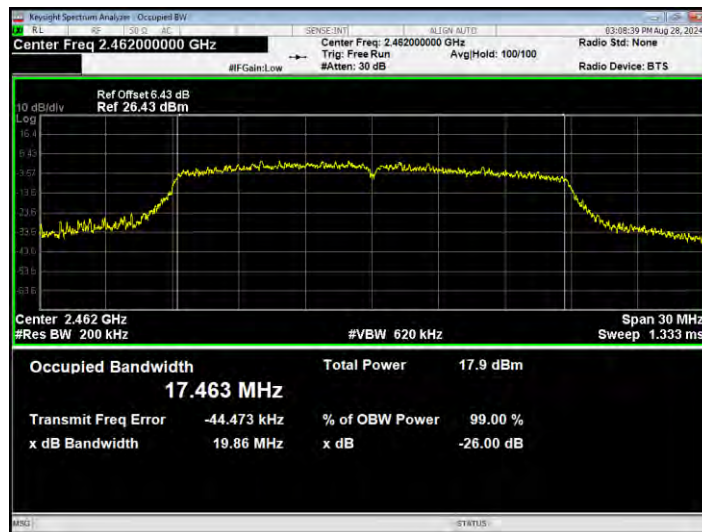
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1



OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



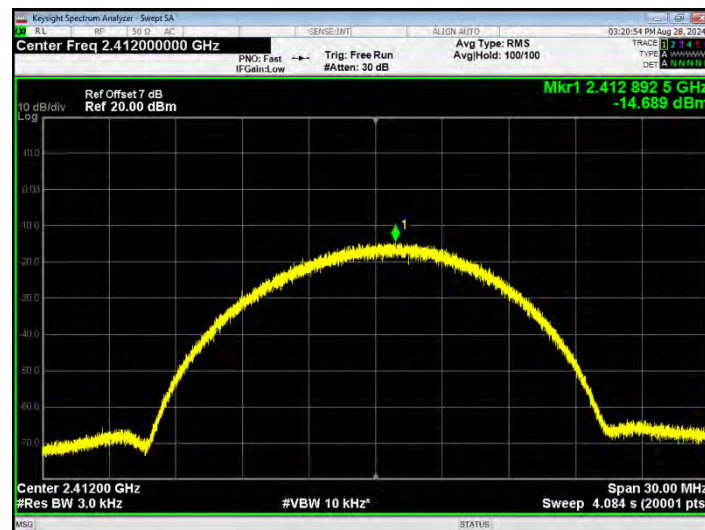
OBW NVNT n40 2452MHz Ant1



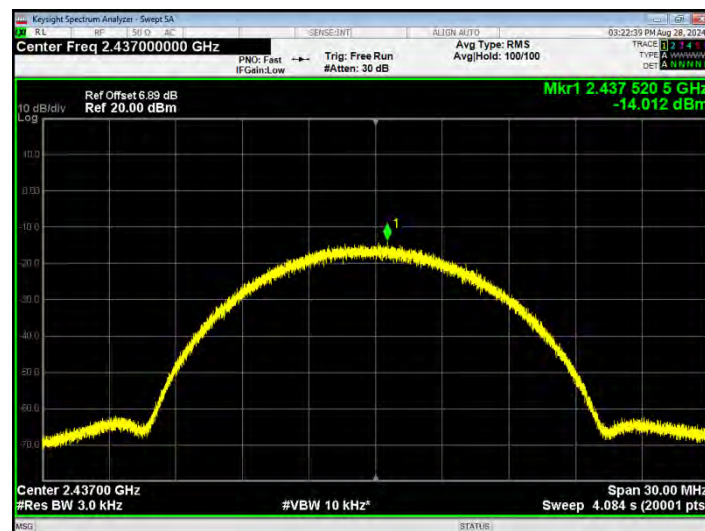
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-14.689	0.14	-14.549	8	Pass
NVNT	b	2437	Ant1	-14.012	0.18	-13.832	8	Pass
NVNT	b	2462	Ant1	-16.436	0.18	-16.256	8	Pass
NVNT	g	2412	Ant1	-17.436	0.87	-16.566	8	Pass
NVNT	g	2437	Ant1	-17.951	0.87	-17.081	8	Pass
NVNT	g	2462	Ant1	-19.539	0.87	-18.669	8	Pass
NVNT	n20	2412	Ant1	-17.67	0.13	-17.54	8	Pass
NVNT	n20	2437	Ant1	-17.658	0.13	-17.528	8	Pass
NVNT	n20	2462	Ant1	-19.198	0.13	-19.068	8	Pass
NVNT	n40	2422	Ant1	-20.635	0.26	-20.375	8	Pass
NVNT	n40	2437	Ant1	-20.848	0.26	-20.588	8	Pass
NVNT	n40	2452	Ant1	-21.264	0.26	-21.004	8	Pass

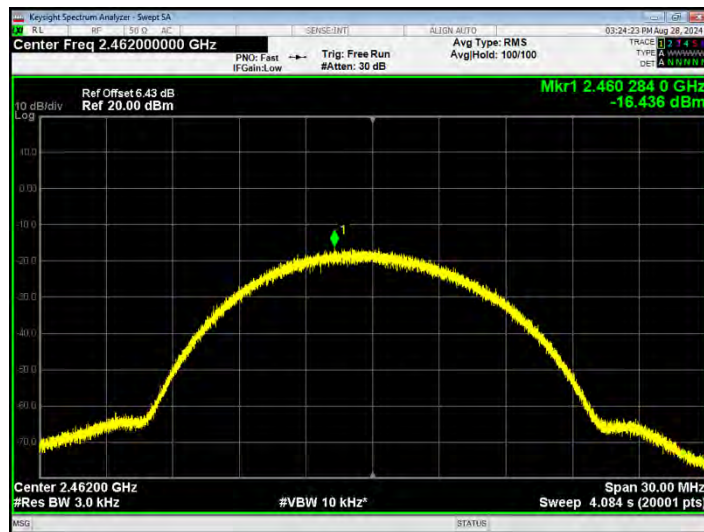
PSD NVNT b 2412MHz Ant1



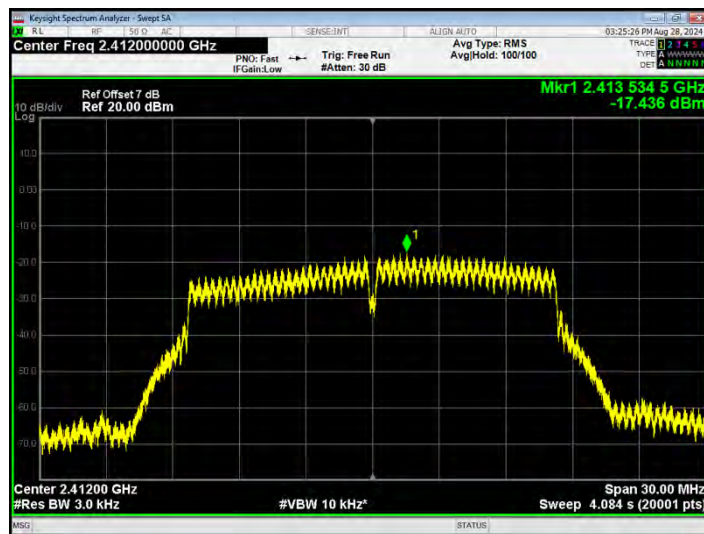
PSD NVNT b 2437MHz Ant1



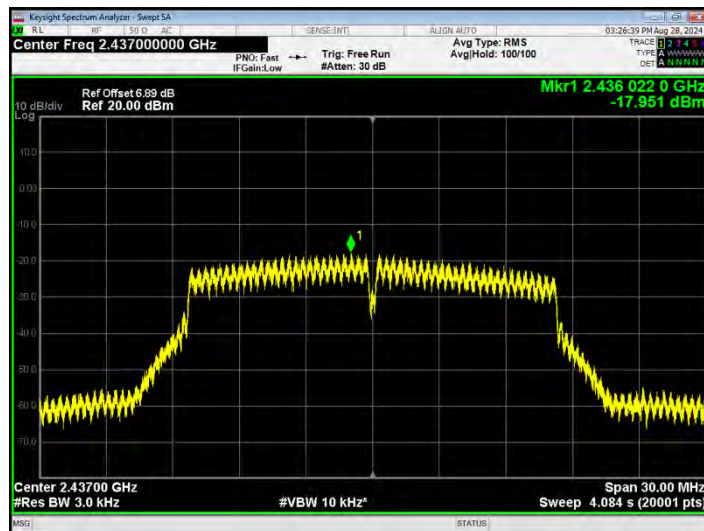
PSD NVNT b 2462MHz Ant1



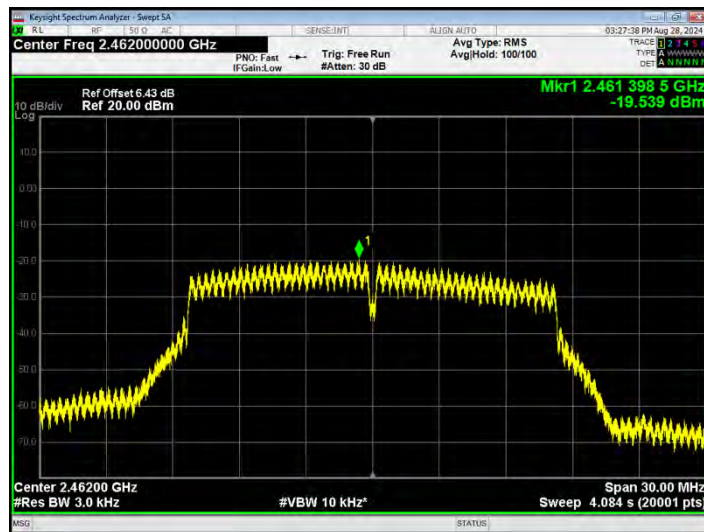
PSD NVNT g 2412MHz Ant1



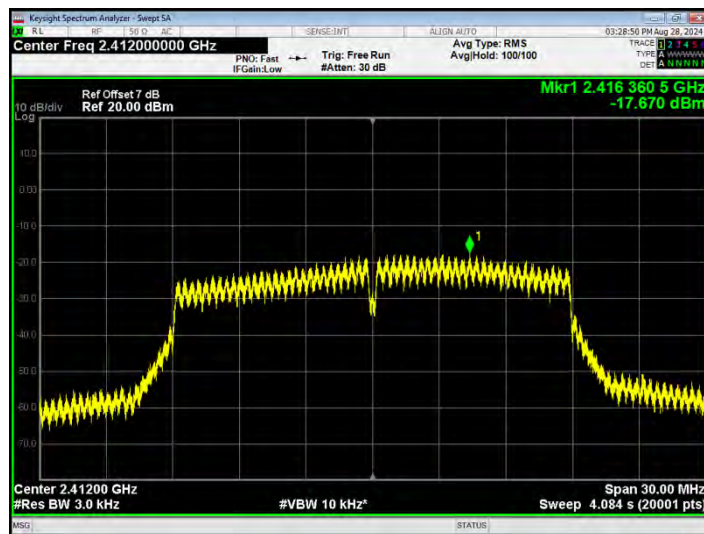
PSD NVNT g 2437MHz Ant1



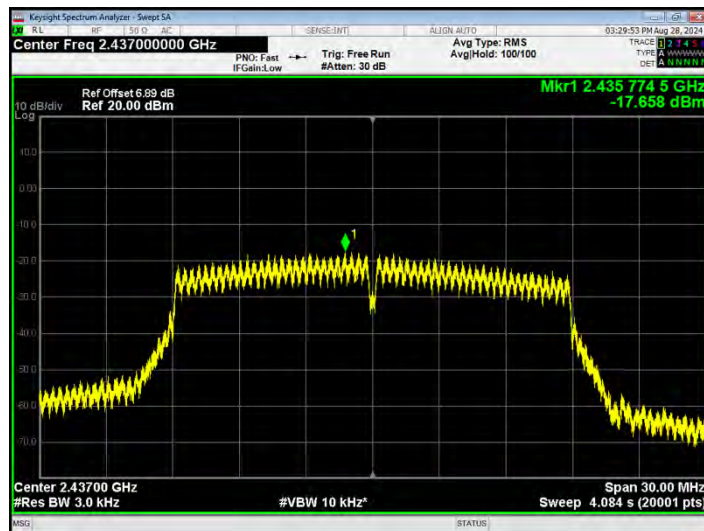
PSD NVNT g 2462MHz Ant1



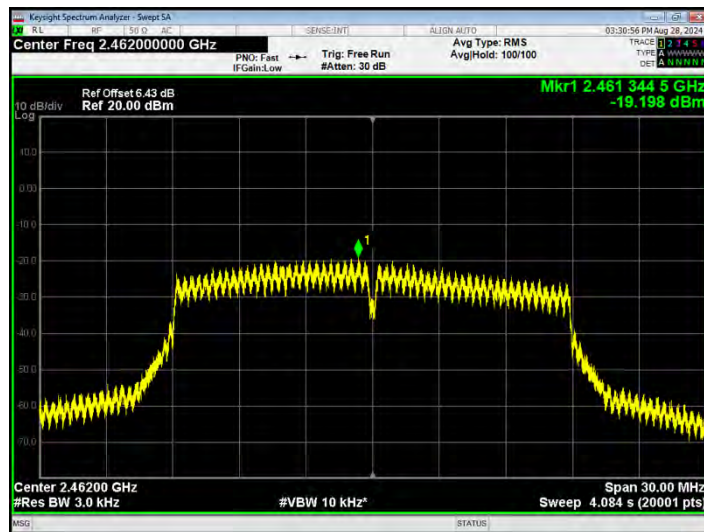
PSD NVNT n20 2412MHz Ant1



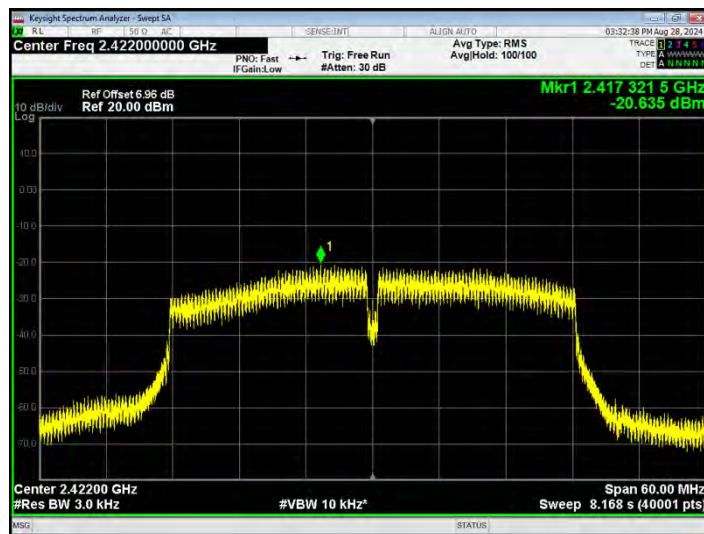
PSD NVNT n20 2437MHz Ant1



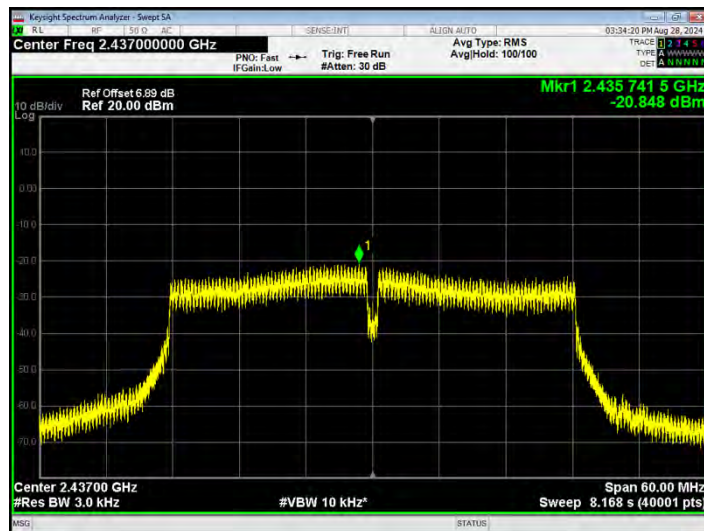
PSD NVNT n20 2462MHz Ant1



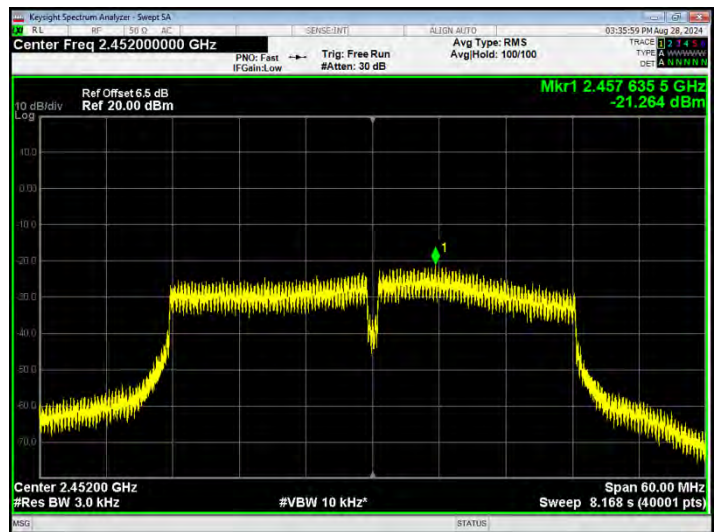
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



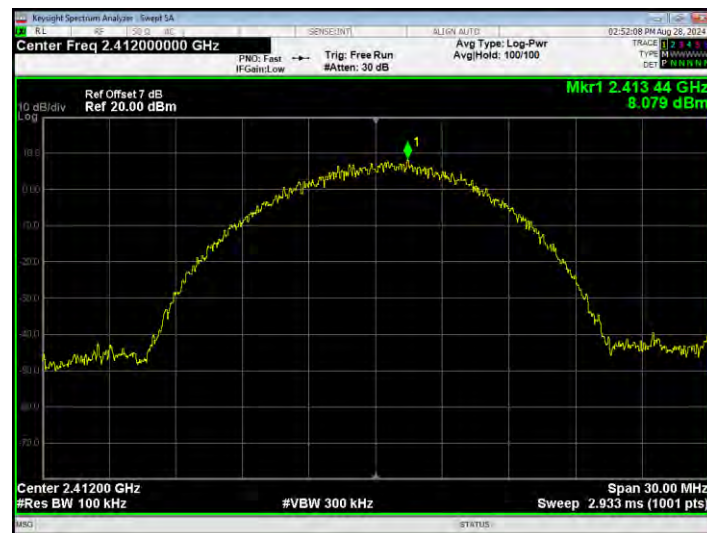
PSD NVNT n40 2452MHz Ant1



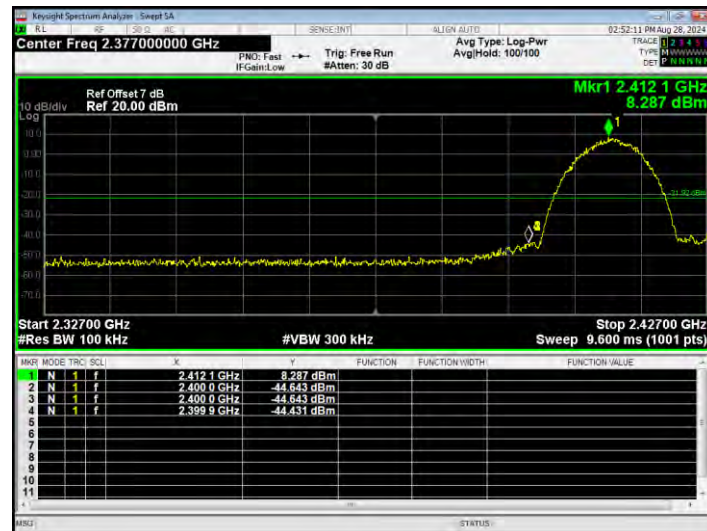
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.51	-30	Pass
NVNT	b	2462	Ant1	-58.15	-30	Pass
NVNT	g	2412	Ant1	-41.17	-30	Pass
NVNT	g	2462	Ant1	-52.69	-30	Pass
NVNT	n20	2412	Ant1	-36.01	-30	Pass
NVNT	n20	2462	Ant1	-51.19	-30	Pass
NVNT	n40	2422	Ant1	-33.4	-30	Pass
NVNT	n40	2452	Ant1	-46.79	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



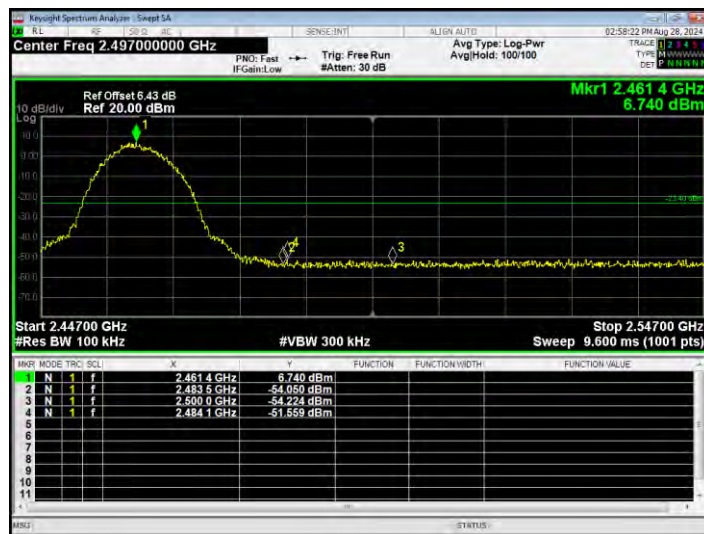
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



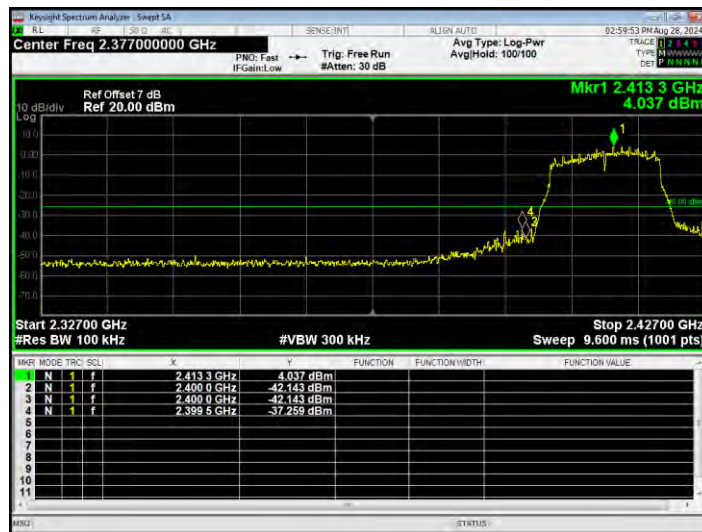
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



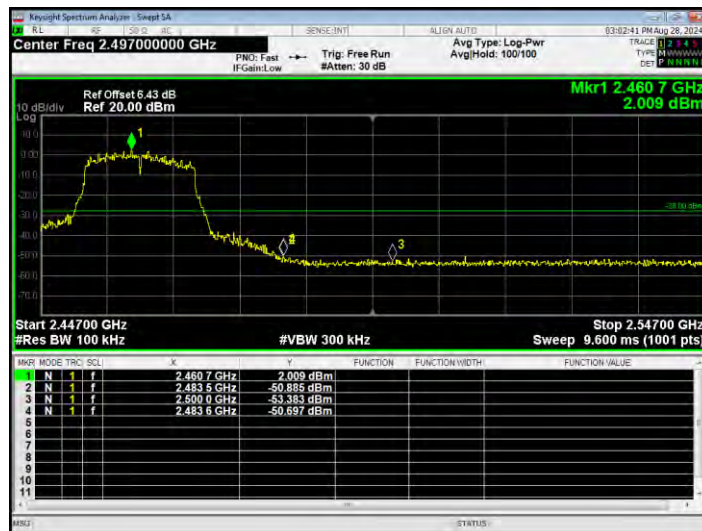
Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



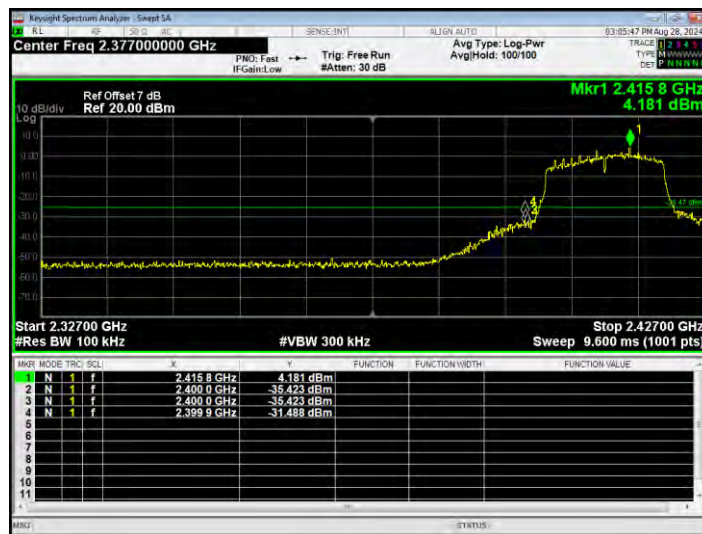
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



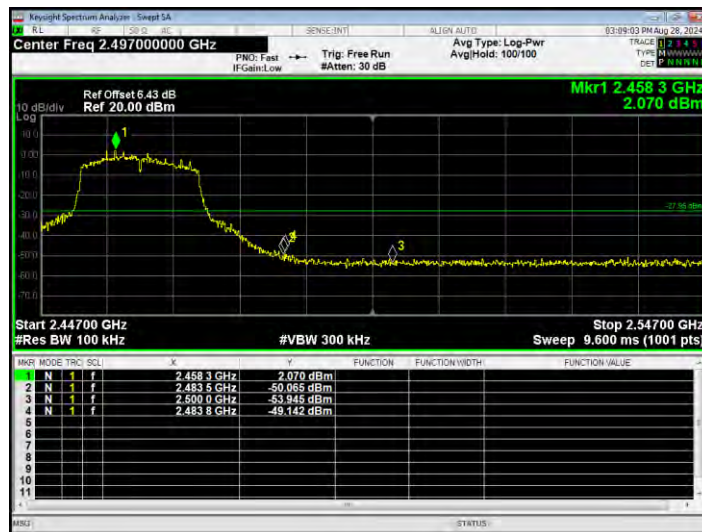
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



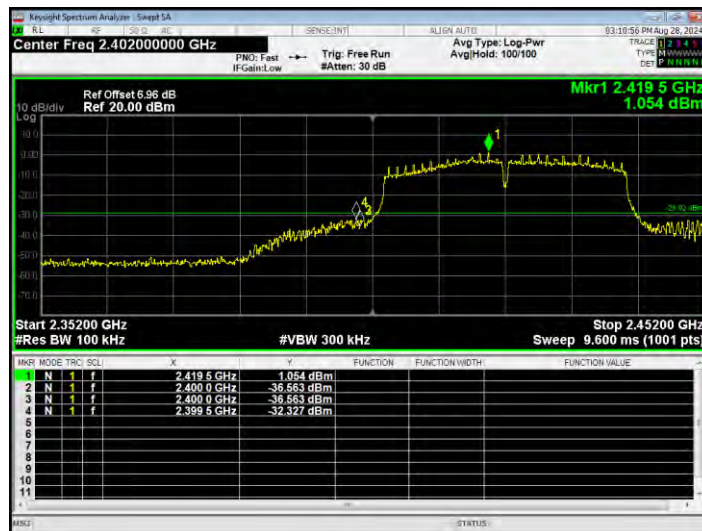
Band Edge NVNT n20 2462MHz Ant1 Emission



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



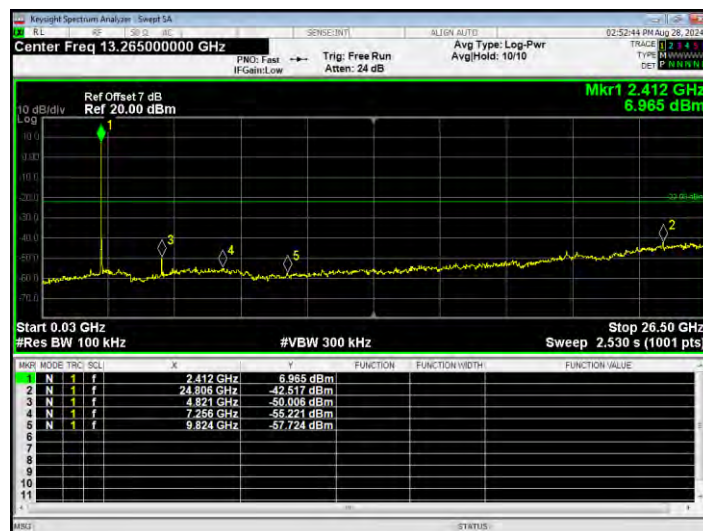
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.43	-30	Pass
NVNT	b	2437	Ant1	-50.82	-30	Pass
NVNT	b	2462	Ant1	-48.53	-30	Pass
NVNT	g	2412	Ant1	-47.05	-30	Pass
NVNT	g	2437	Ant1	-46.63	-30	Pass
NVNT	g	2462	Ant1	-45.29	-30	Pass
NVNT	n20	2412	Ant1	-45.96	-30	Pass
NVNT	n20	2437	Ant1	-47.1	-30	Pass
NVNT	n20	2462	Ant1	-45.54	-30	Pass
NVNT	n40	2422	Ant1	-42.92	-30	Pass
NVNT	n40	2437	Ant1	-44.04	-30	Pass
NVNT	n40	2452	Ant1	-43.01	-30	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref



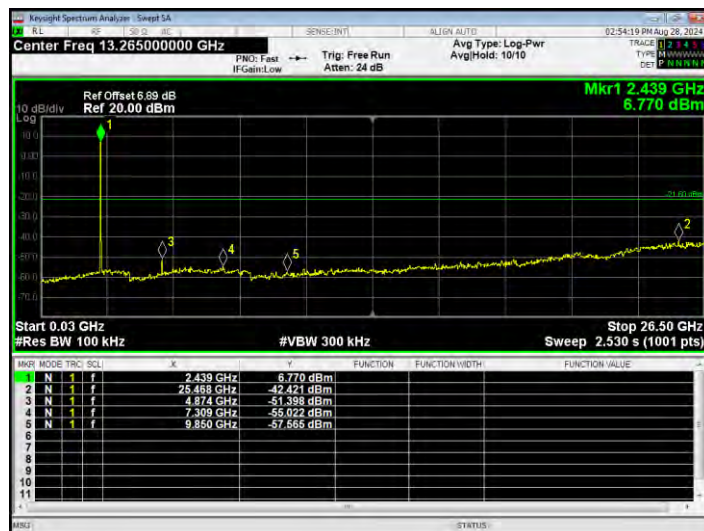
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



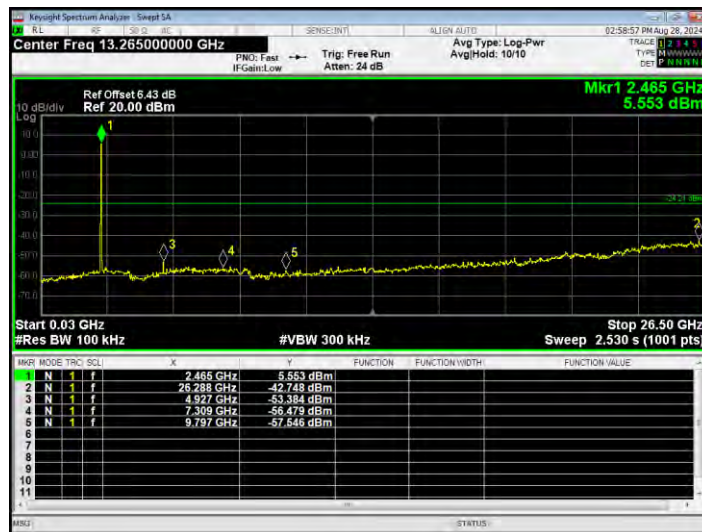
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



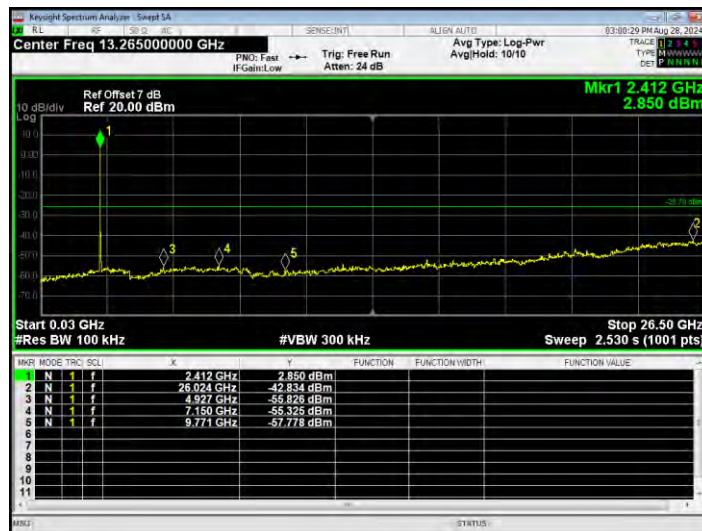
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Tx. Spurious NVNT g 2412MHz Ant1 Ref



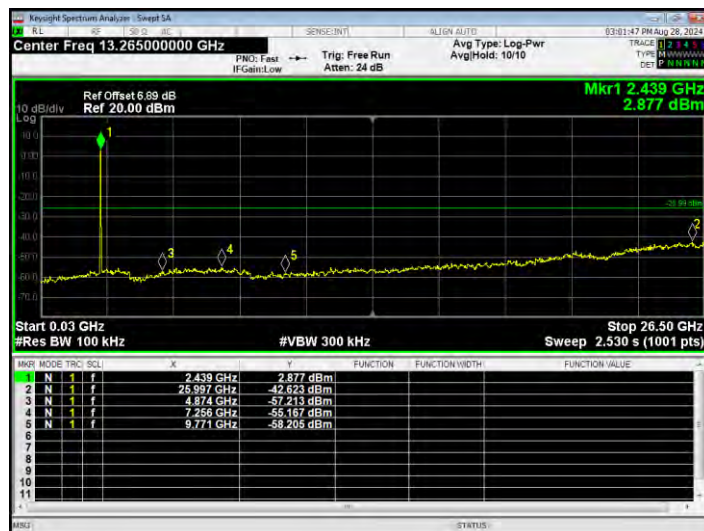
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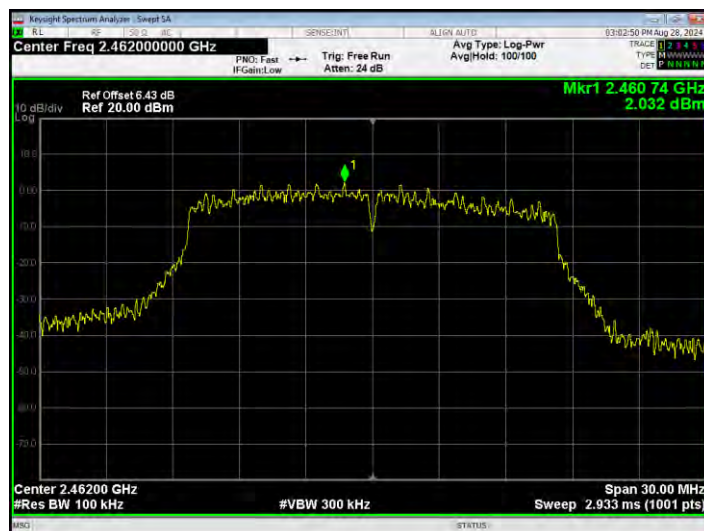
Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



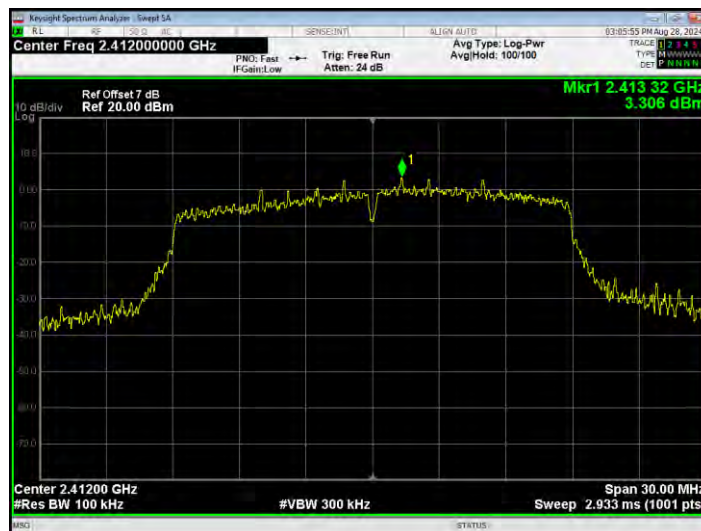
Tx. Spurious NVNT g 2462MHz Ant1 Ref



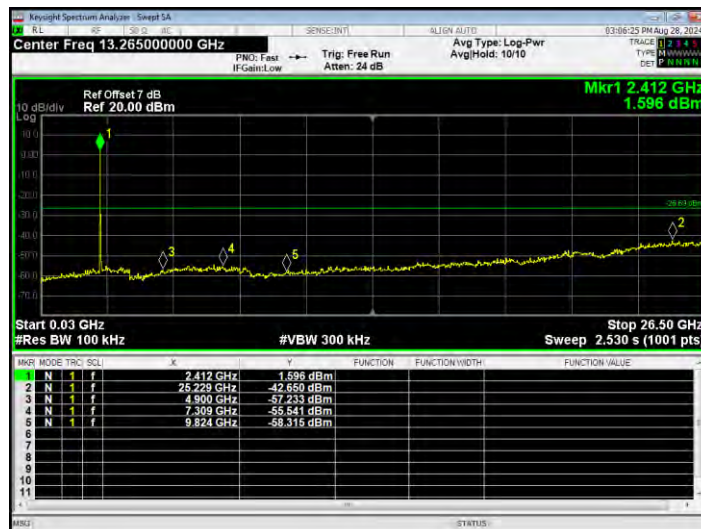
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



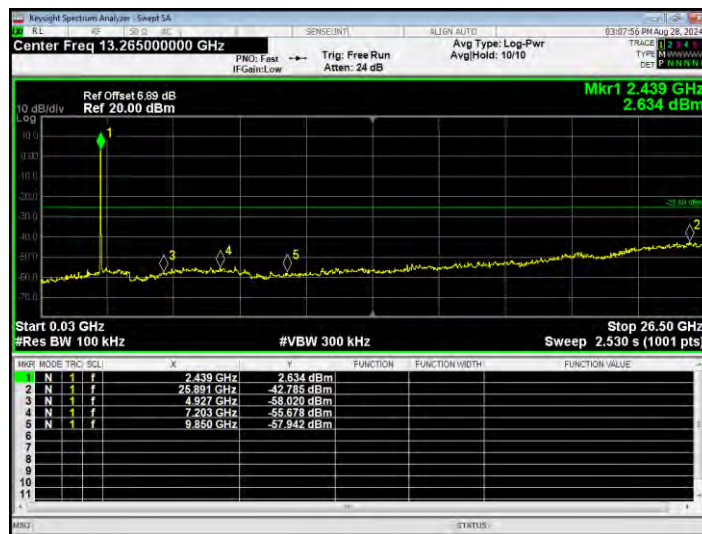
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



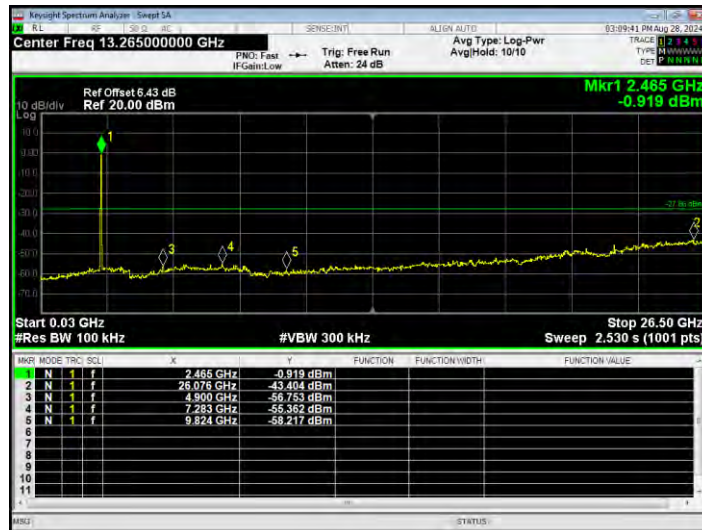
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



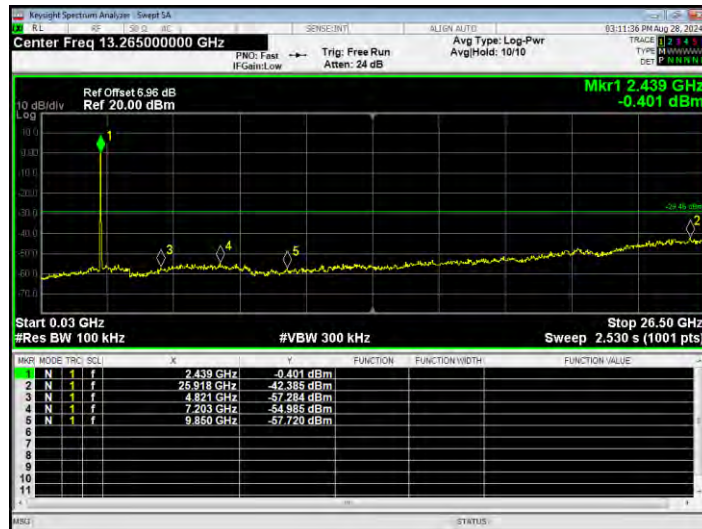
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Tx. Spurious NVNT n40 2422MHz Ant1 Ref



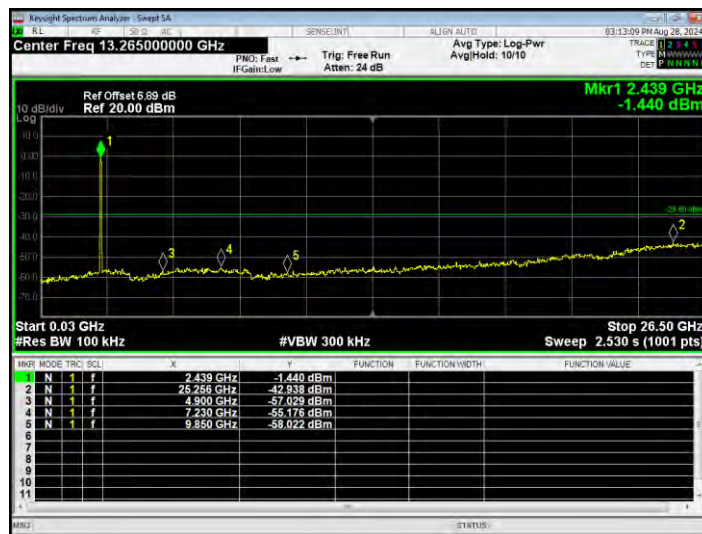
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



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

