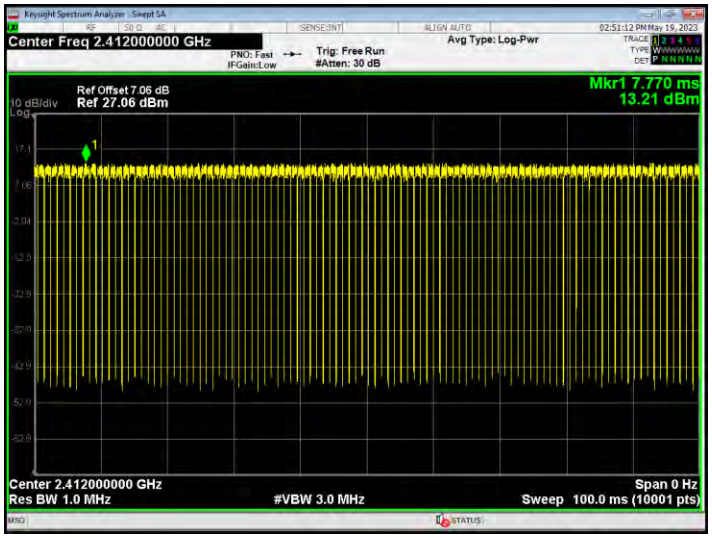
ANNEX 1
FCC Part 15C Test Report
FCC ID:2ALZW-TC85-CA1Z3

Applicant:	Shenzhen Dagro Electronic Technology Co.,LTD
Address:	4th Floor, Building A, NO.3, East Area of ShangXue Industrial Park, BanTian street, LongGang ,Shenzhen, China
Manufacturer:	Shenzhen Dagro Electronic Technology Co.,LTD
Address:	4th Floor, Building A, NO.3, East Area of ShangXue Industrial Park, BanTian street, LongGang ,Shenzhen, China
EUT:	Lamp holder camera
Trade Mark:	N/A
Model Number:	TC85-CA1Z3, TC81,TC82,TC79,TC85,TC17,TC133,TC152, TC155
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

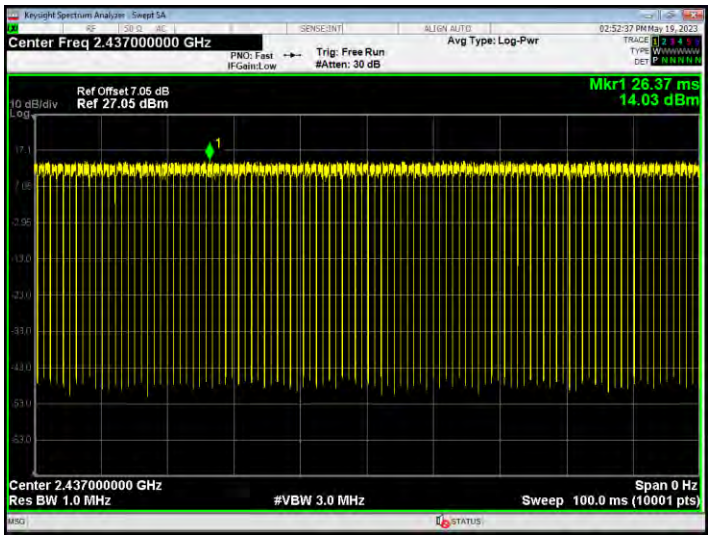
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.29	0.12
NVNT	b	2437	Ant1	97.28	0.12
NVNT	b	2462	Ant1	97.33	0.12
NVNT	g	2412	Ant1	84.86	0.71
NVNT	g	2437	Ant1	84.9	0.71
NVNT	g	2462	Ant1	85.27	0.69
NVNT	n20	2412	Ant1	97.52	0.11
NVNT	n20	2437	Ant1	97.58	0.11
NVNT	n20	2462	Ant1	97.52	0.11
NVNT	n40	2422	Ant1	95.29	0.21
NVNT	n40	2437	Ant1	95.33	0.21
NVNT	n40	2452	Ant1	95.31	0.21

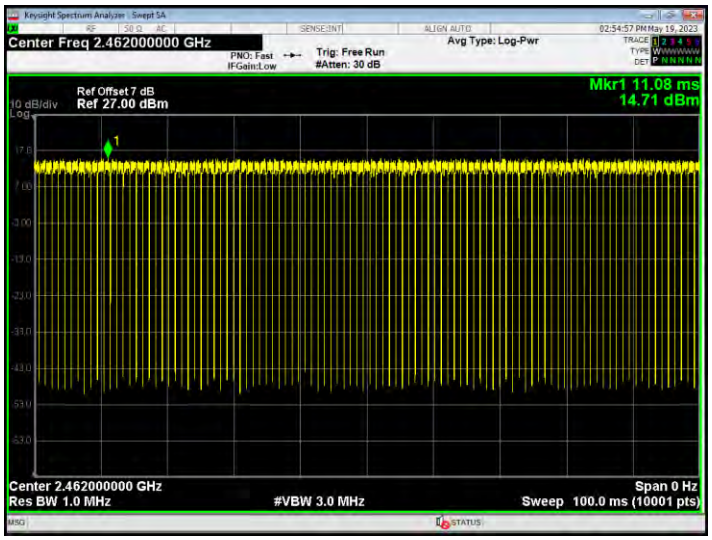
Duty Cycle NVNT b 2412MHz Ant1



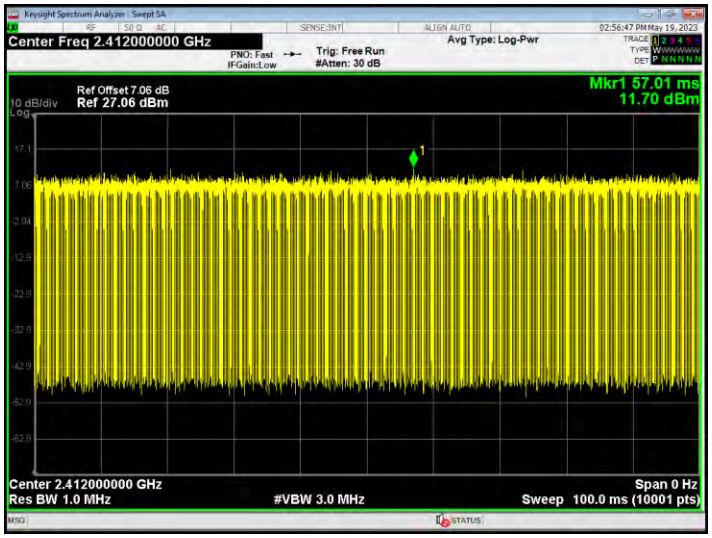
Duty Cycle NVNT b 2437MHz Ant1



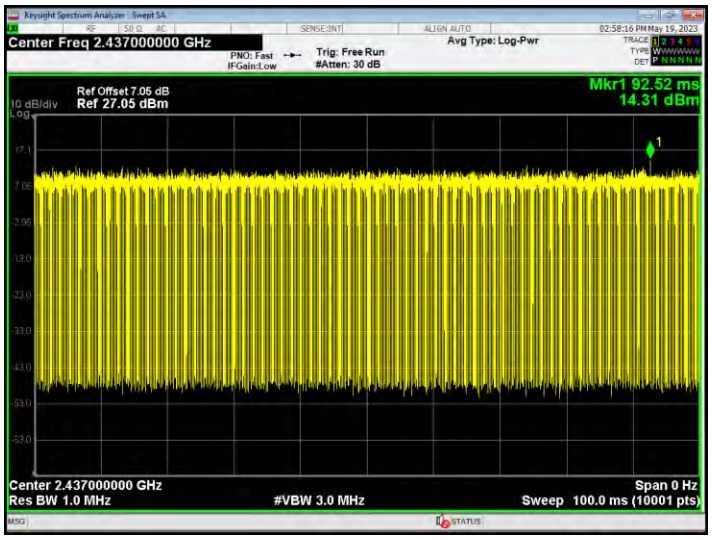
Duty Cycle NVNT b 2462MHz Ant1



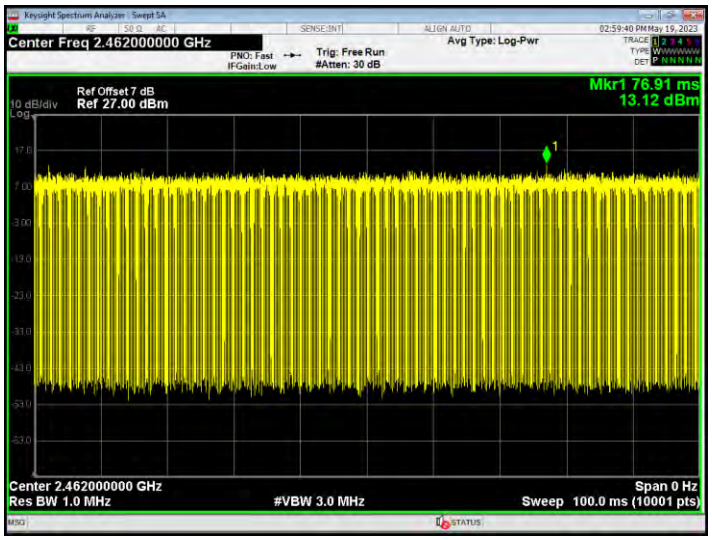
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1

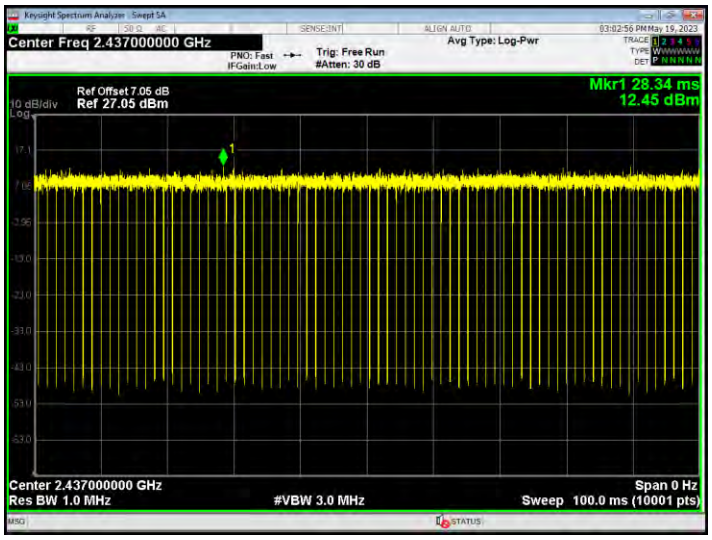


Duty Cycle NVNT g 2462MHz Ant1



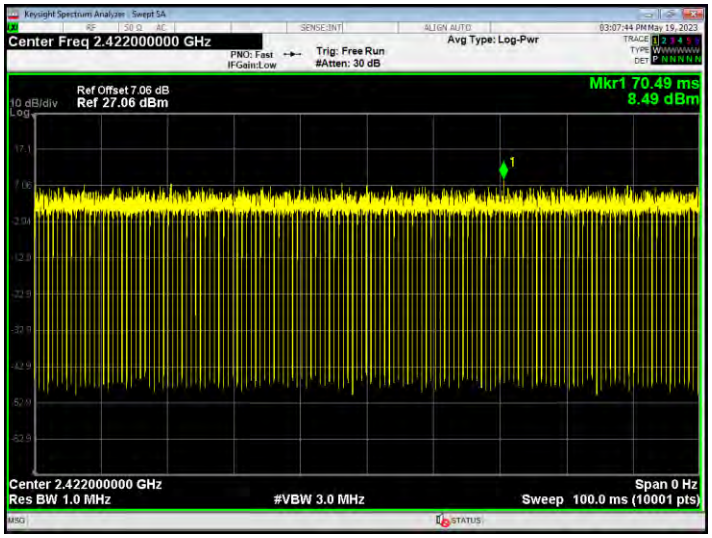
Duty Cycle NVNT n20 2412MHz Ant1

Duty Cycle NVNT n20 2437MHz Ant1



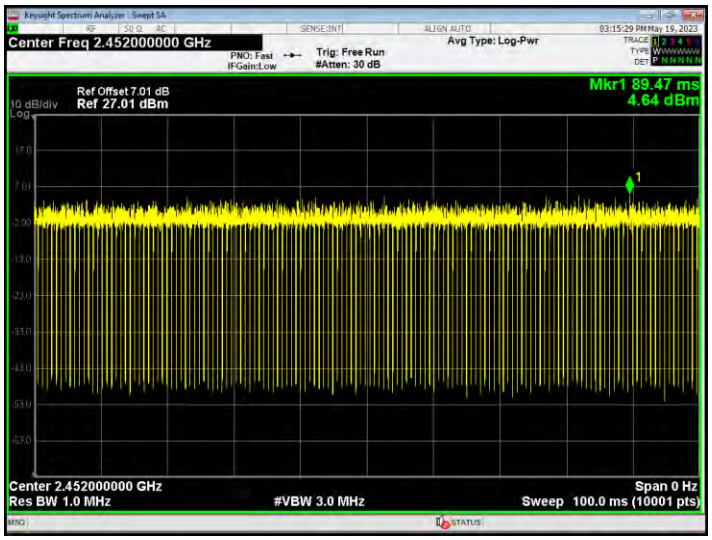
Duty Cycle NVNT n20 2462MHz Ant1

Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1

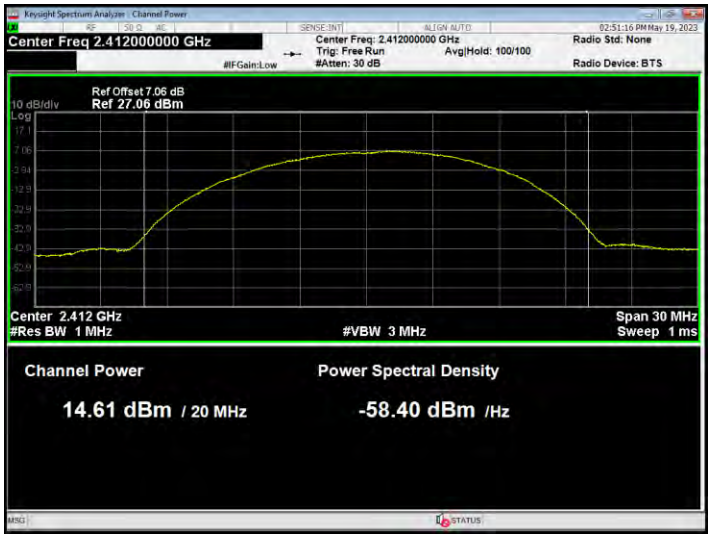
Duty Cycle NVNT n40 2452MHz Ant1



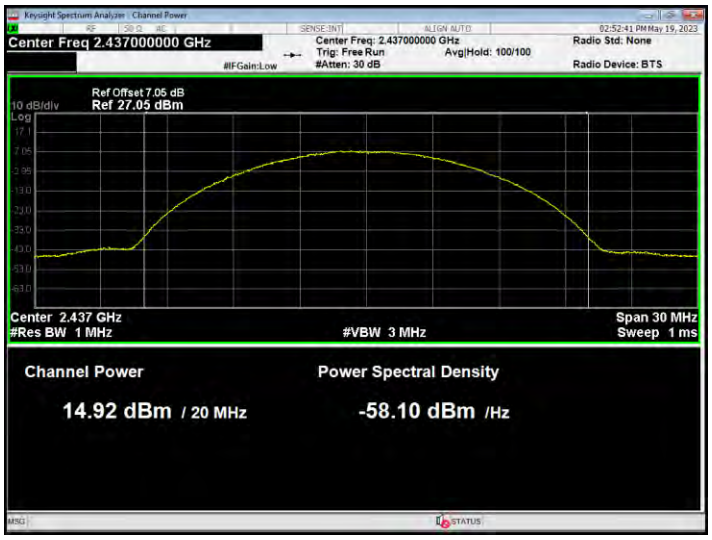
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.609	0.12	14.729	30	Pass
NVNT	b	2437	Ant1	14.915	0.12	15.035	30	Pass
NVNT	b	2462	Ant1	15.627	0.12	15.747	30	Pass
NVNT	g	2412	Ant1	12.936	0.71	13.646	30	Pass
NVNT	g	2437	Ant1	13.359	0.71	14.069	30	Pass
NVNT	g	2462	Ant1	12.412	0.69	13.102	30	Pass
NVNT	n20	2412	Ant1	14.155	0.11	14.265	30	Pass
NVNT	n20	2437	Ant1	14.384	0.11	14.494	30	Pass
NVNT	n20	2462	Ant1	13.126	0.11	13.236	30	Pass
NVNT	n40	2422	Ant1	13.727	0.21	13.937	30	Pass
NVNT	n40	2437	Ant1	13.627	0.21	13.837	30	Pass
NVNT	n40	2452	Ant1	12.662	0.21	12.872	30	Pass

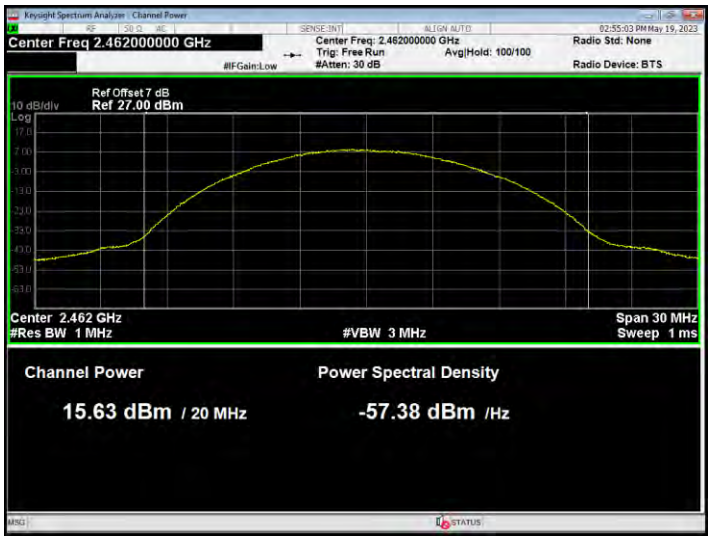
Power NVNT b 2412MHz Ant1



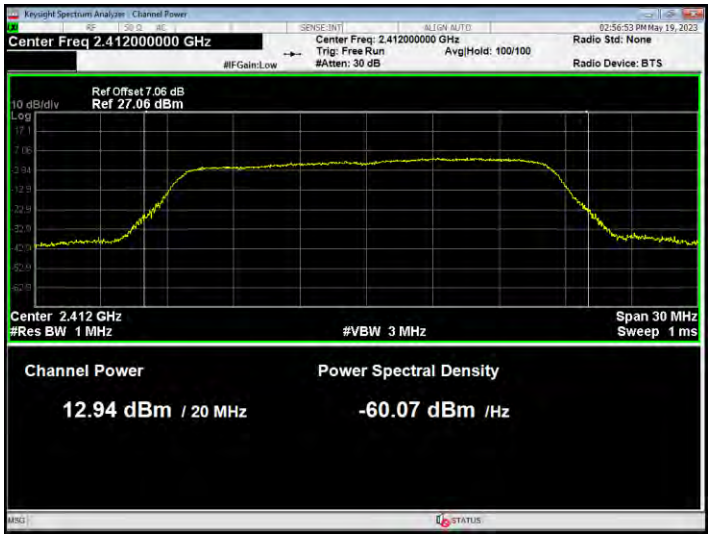
Power NVNT b 2437MHz Ant1



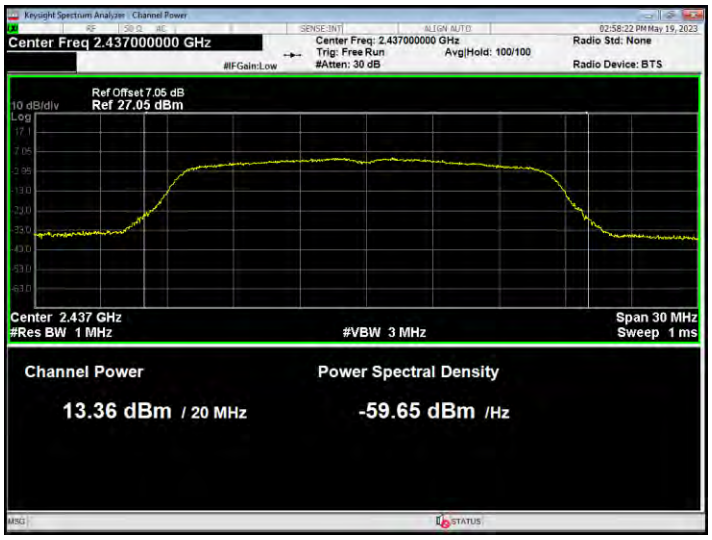
Power NVNT b 2462MHz Ant1



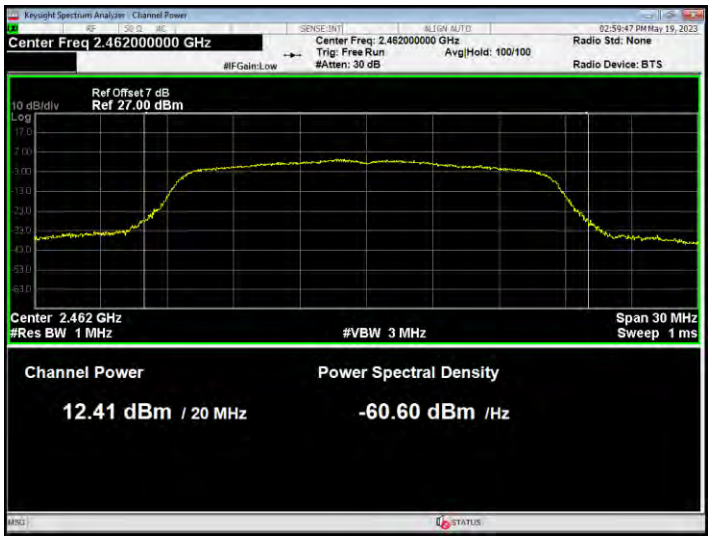
Power NVNT g 2412MHz Ant1



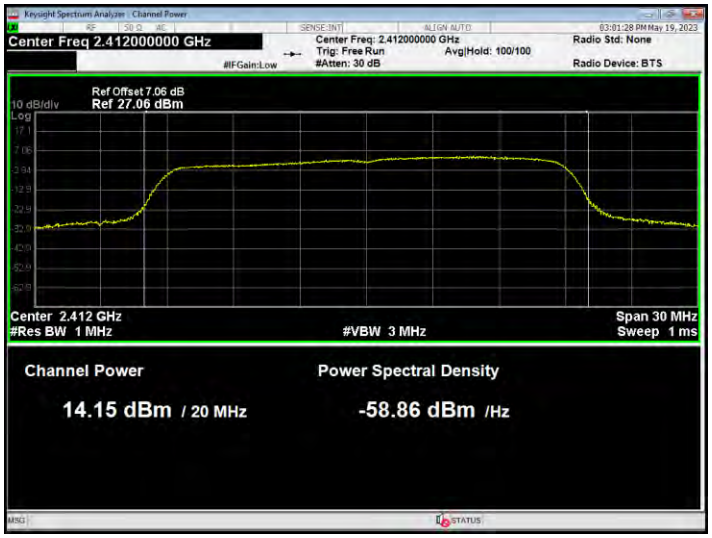
Power NVNT g 2437MHz Ant1



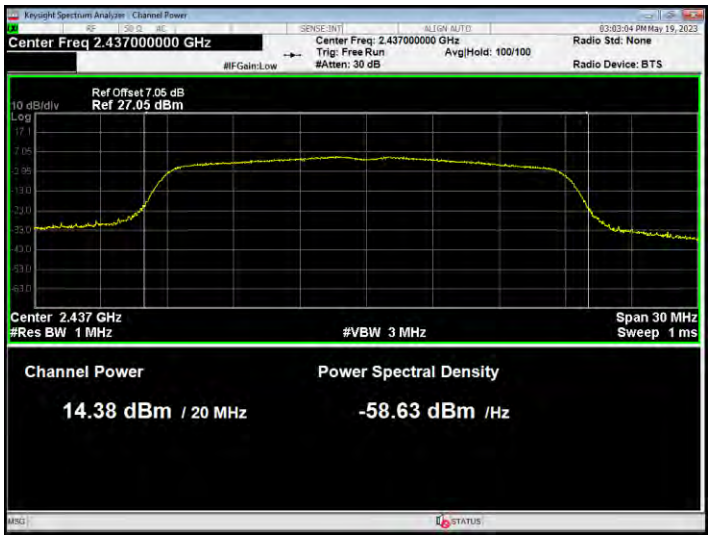
Power NVNT g 2462MHz Ant1



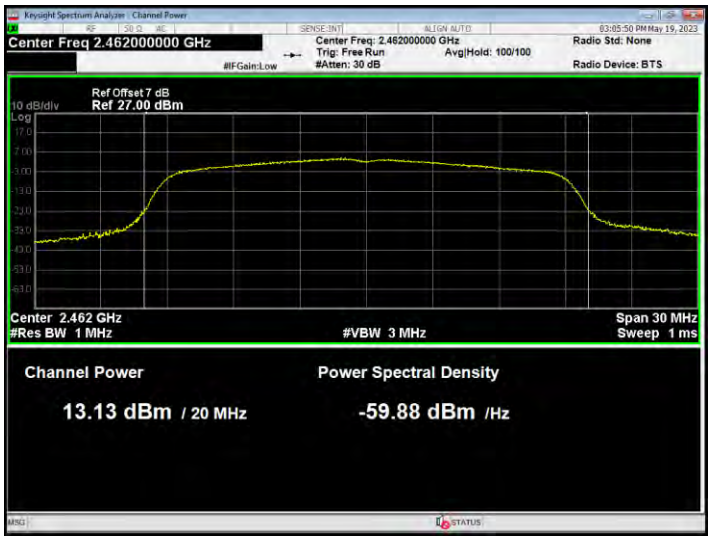
Power NVNT n20 2412MHz Ant1



Power NVNT n20 2437MHz Ant1

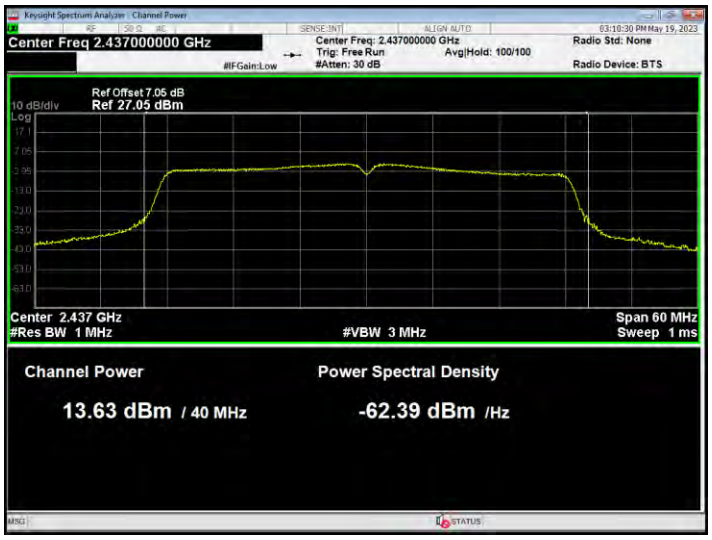


Power NVNT n20 2462MHz Ant1

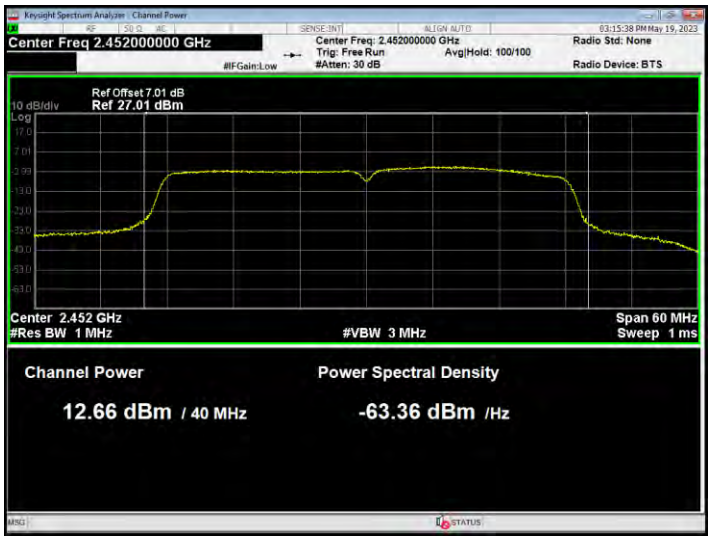


Power NVNT n40 2422MHz Ant1

Power NVNT n40 2437MHz Ant1



Power NVNT n40 2452MHz Ant1

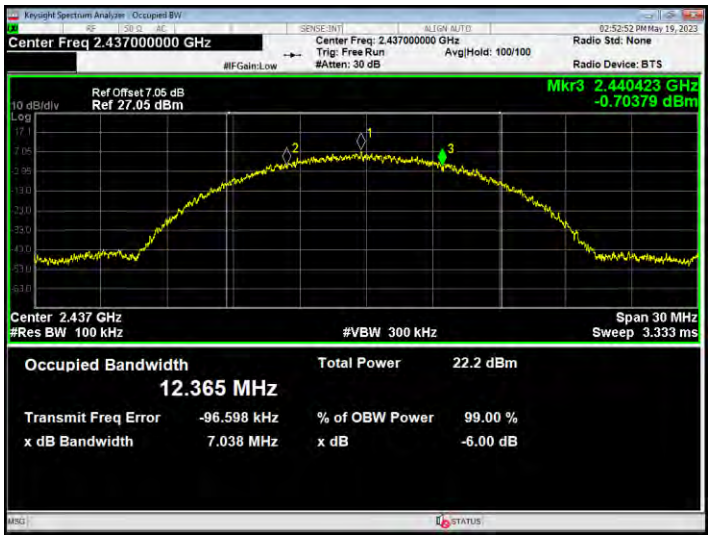


-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.027	0.5	Pass
NVNT	b	2437	Ant1	7.038	0.5	Pass
NVNT	b	2462	Ant1	7.769	0.5	Pass
NVNT	g	2412	Ant1	15.75	0.5	Pass
NVNT	g	2437	Ant1	15.075	0.5	Pass
NVNT	g	2462	Ant1	15.069	0.5	Pass
NVNT	n20	2412	Ant1	15	0.5	Pass
NVNT	n20	2437	Ant1	15.086	0.5	Pass
NVNT	n20	2462	Ant1	13.751	0.5	Pass
NVNT	n40	2422	Ant1	23.845	0.5	Pass
NVNT	n40	2437	Ant1	31.335	0.5	Pass
NVNT	n40	2452	Ant1	33.87	0.5	Pass

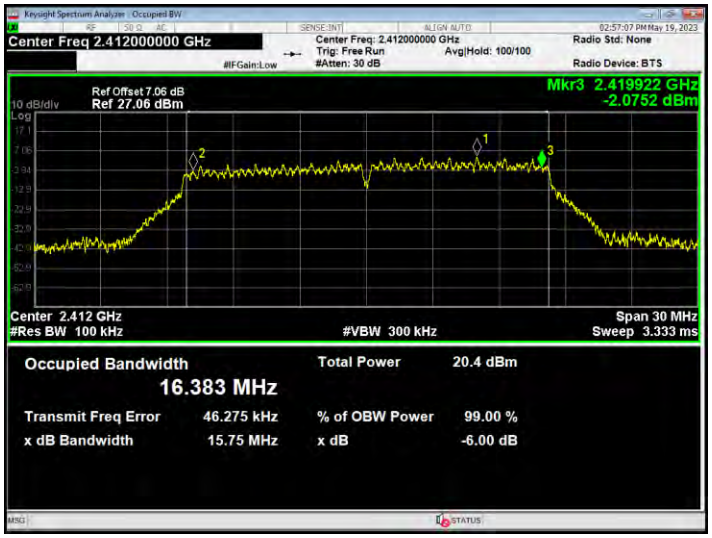
-6dB Bandwidth NVNT b 2412MHz Ant1

-6dB Bandwidth NVNT b 2437MHz Ant1

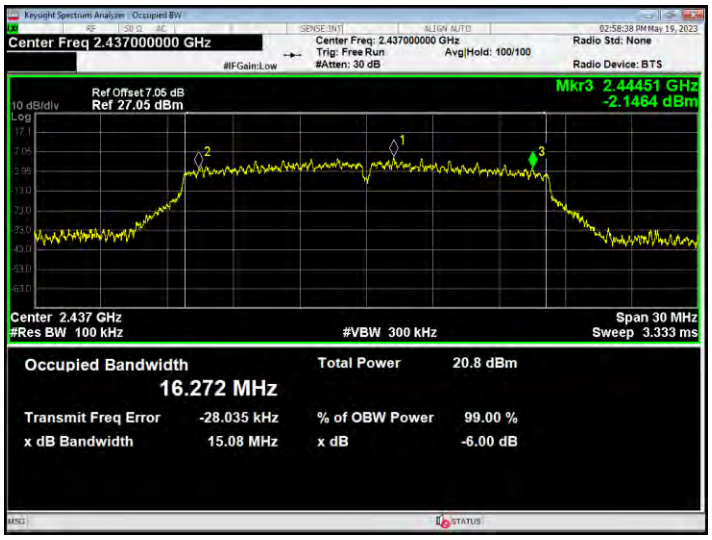


-6dB Bandwidth NVNT b 2462MHz Ant1

-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

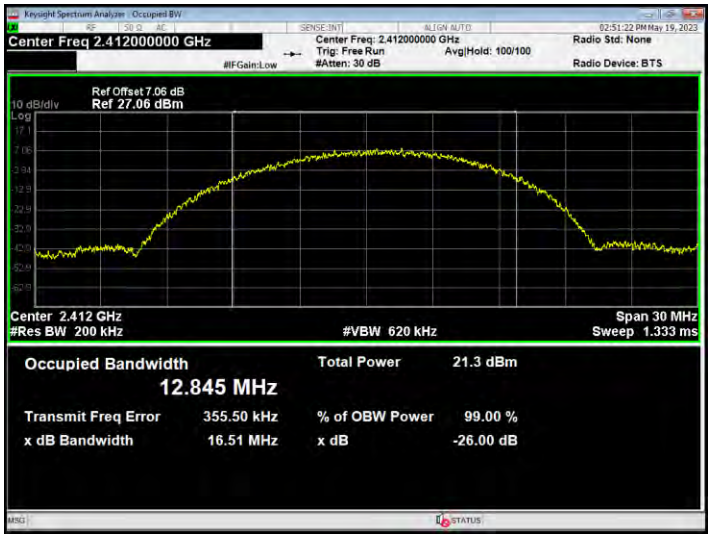
-6dB Bandwidth NVNT n40 2437MHz Ant1

-6dB Bandwidth NVNT n40 2452MHz Ant1

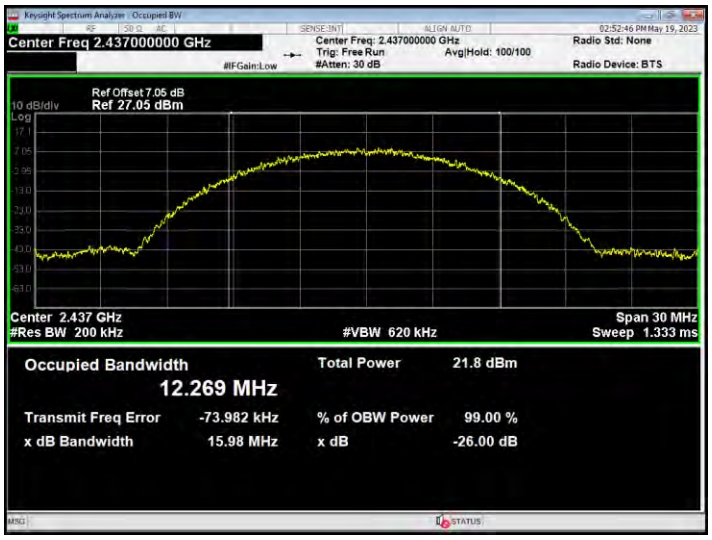
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.84463354
NVNT	b	2437	Ant1	12.2691763
NVNT	b	2462	Ant1	12.17082984
NVNT	g	2412	Ant1	16.4443275
NVNT	g	2437	Ant1	16.32067281
NVNT	g	2462	Ant1	16.24368222
NVNT	n20	2412	Ant1	17.65104593
NVNT	n20	2437	Ant1	17.46842428
NVNT	n20	2462	Ant1	17.39069931
NVNT	n40	2422	Ant1	35.76925555
NVNT	n40	2437	Ant1	36.09386042
NVNT	n40	2452	Ant1	35.99422419

OBW NVNT b 2412MHz Ant1

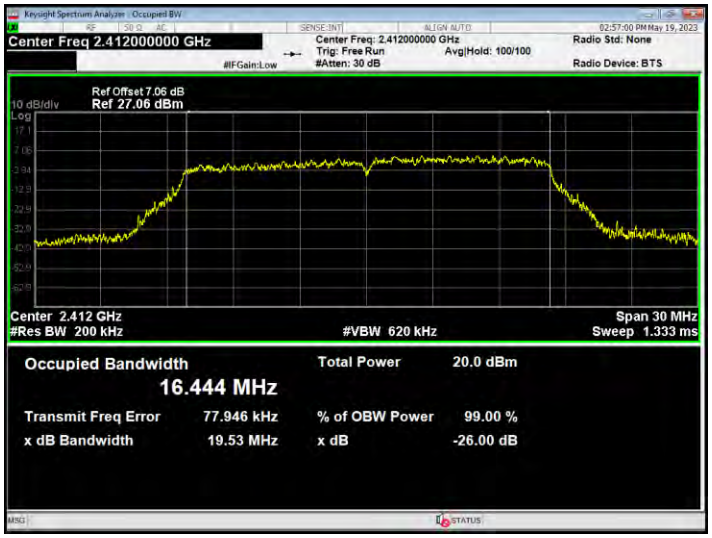


OBW NVNT b 2437MHz Ant1

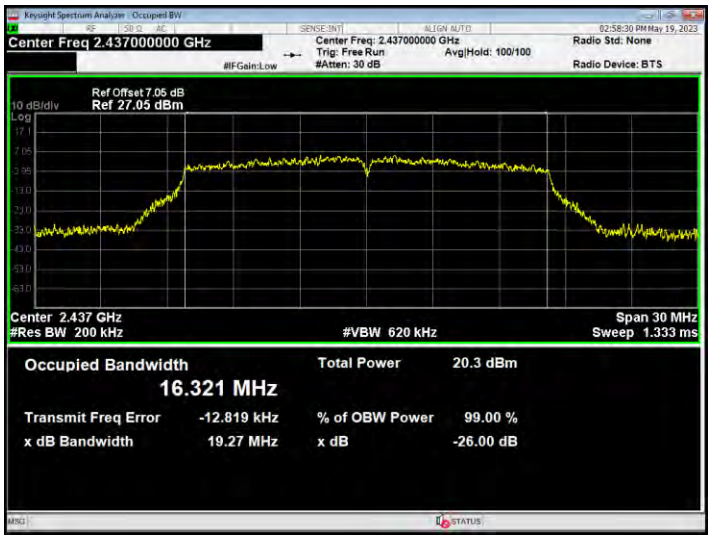


OBW NVNT b 2462MHz Ant1

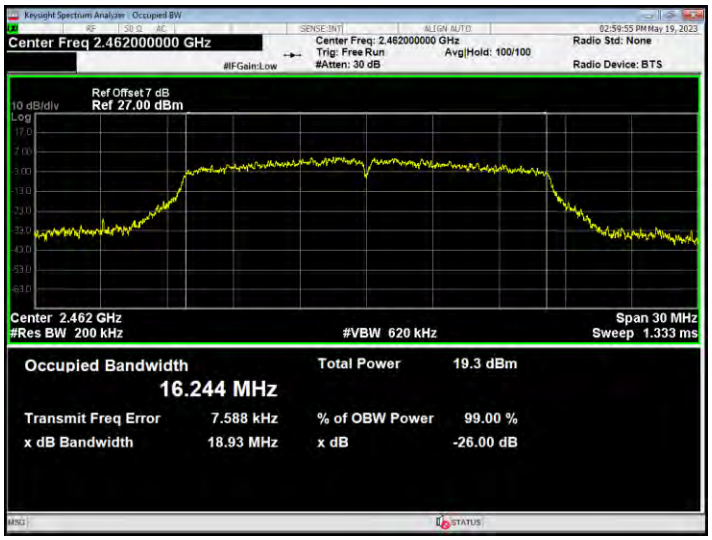
OBW NVNT g 2412MHz Ant1



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

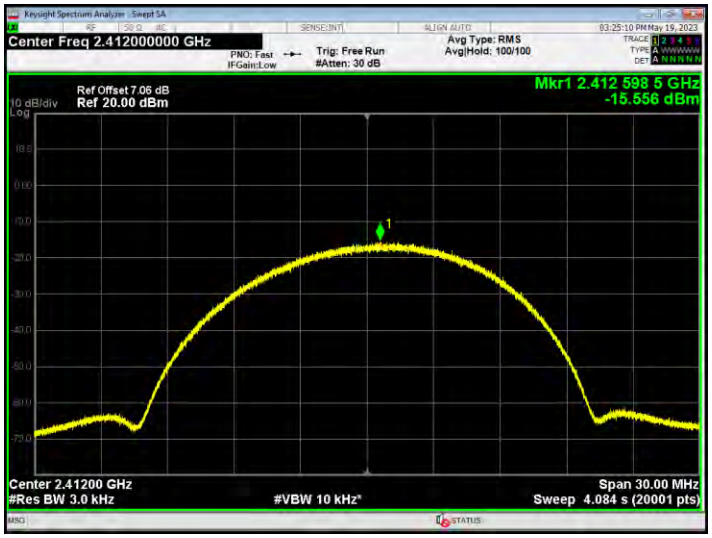
OBW NVNT n40 2437MHz Ant1

OBW NVNT n40 2452MHz Ant1

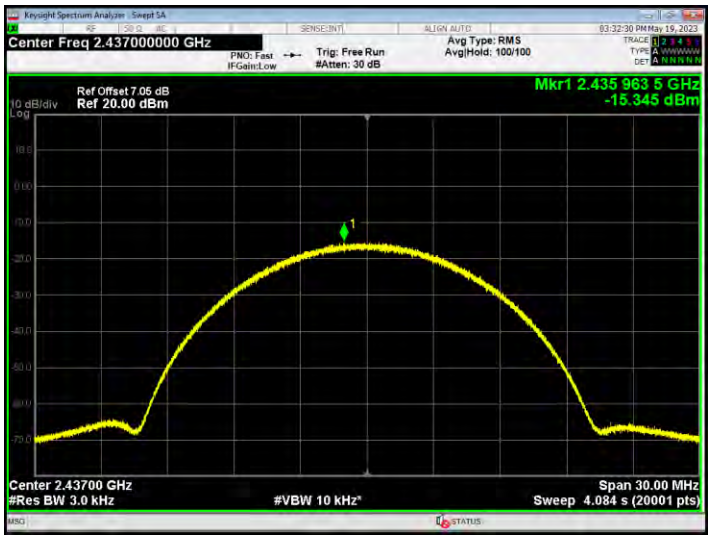
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-15.556	8	Pass
NVNT	b	2437	Ant1	-15.345	8	Pass
NVNT	b	2462	Ant1	-16.202	8	Pass
NVNT	g	2412	Ant1	-19.59	8	Pass
NVNT	g	2437	Ant1	-19.018	8	Pass
NVNT	g	2462	Ant1	-19.39	8	Pass
NVNT	n20	2412	Ant1	-19.557	8	Pass
NVNT	n20	2437	Ant1	-18.752	8	Pass
NVNT	n20	2462	Ant1	-19.232	8	Pass
NVNT	n40	2422	Ant1	-20.051	8	Pass
NVNT	n40	2437	Ant1	-20.114	8	Pass
NVNT	n40	2452	Ant1	-21.381	8	Pass

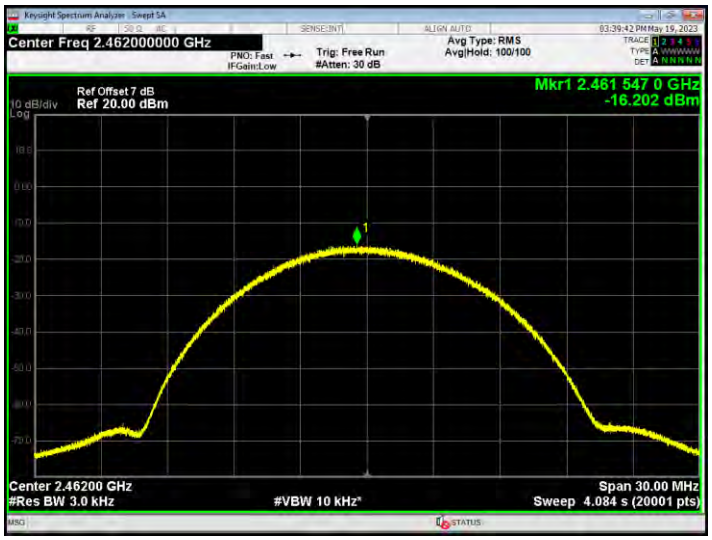
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

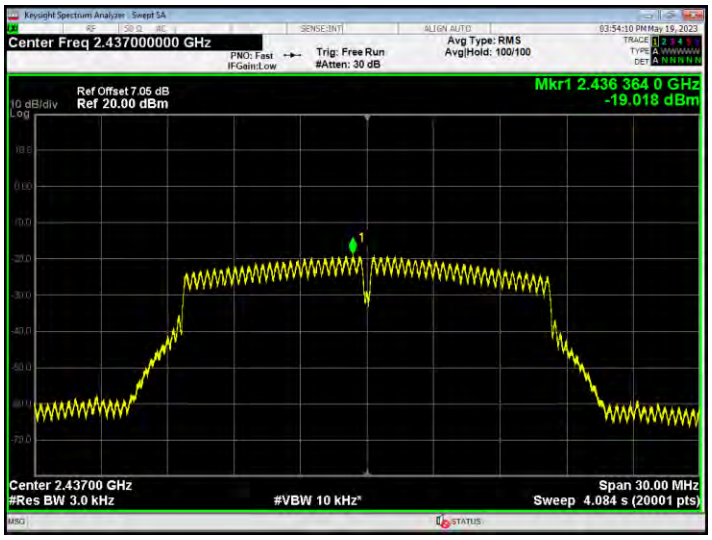


PSD NVNT b 2462MHz Ant1

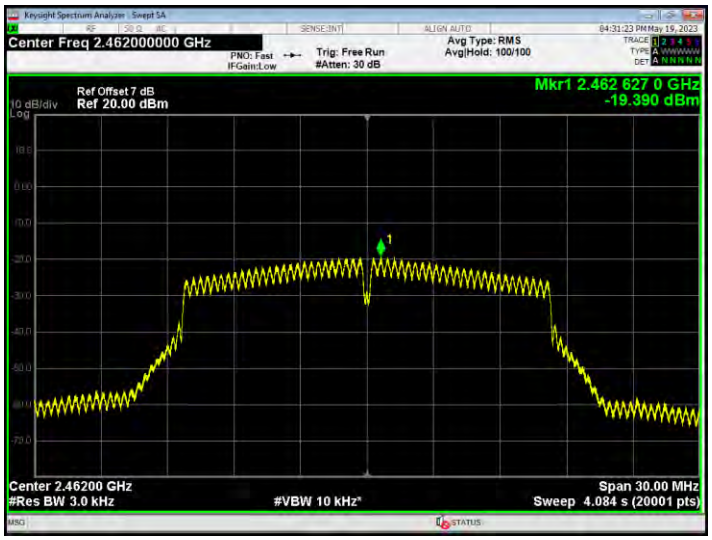


PSD NVNT g 2412MHz Ant1

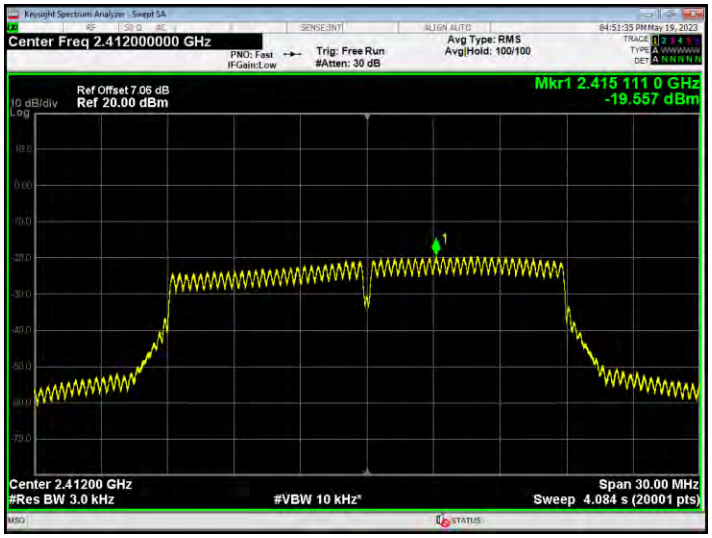
PSD NVNT g 2437MHz Ant1



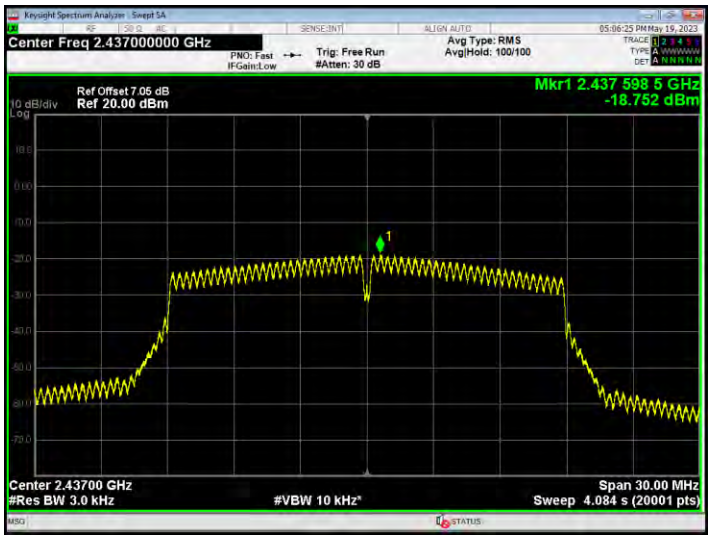
PSD NVNT g 2462MHz Ant1



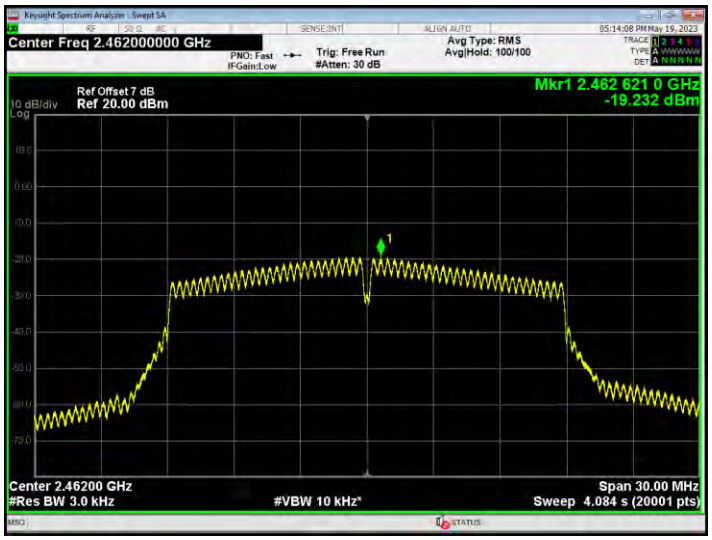
PSD NVNT n20 2412MHz Ant1



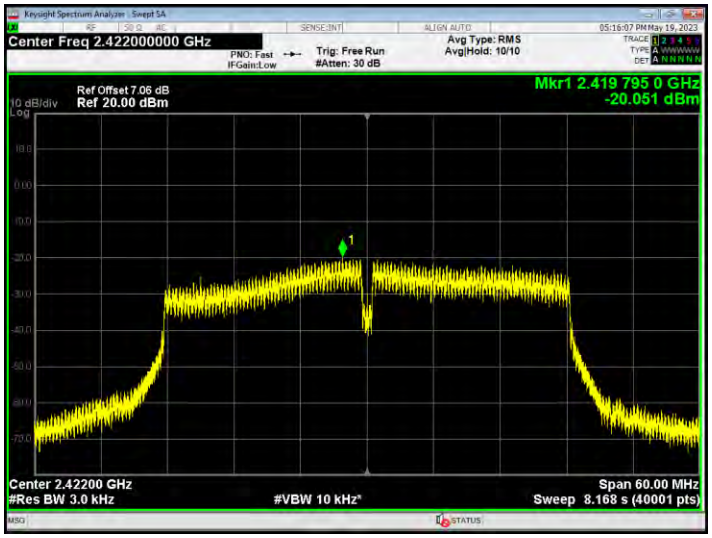
PSD NVNT n20 2437MHz Ant1



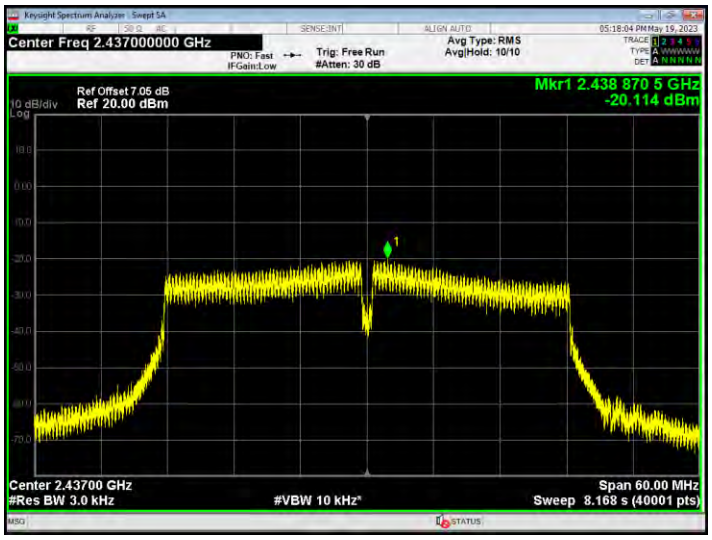
PSD NVNT n20 2462MHz Ant1



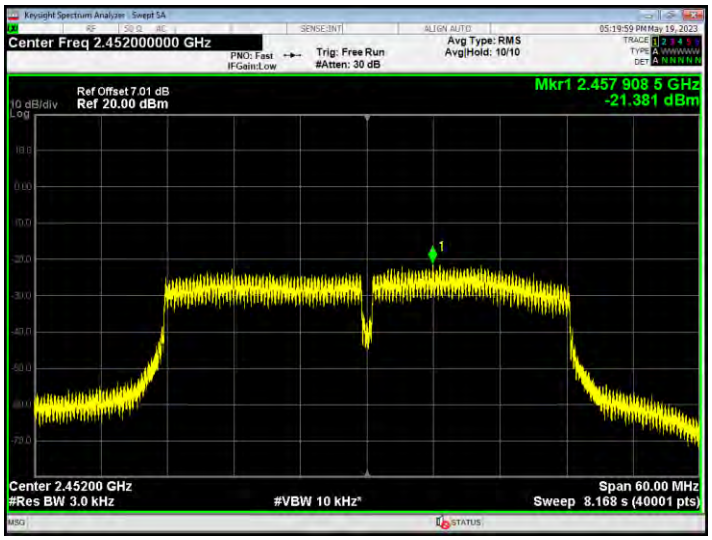
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



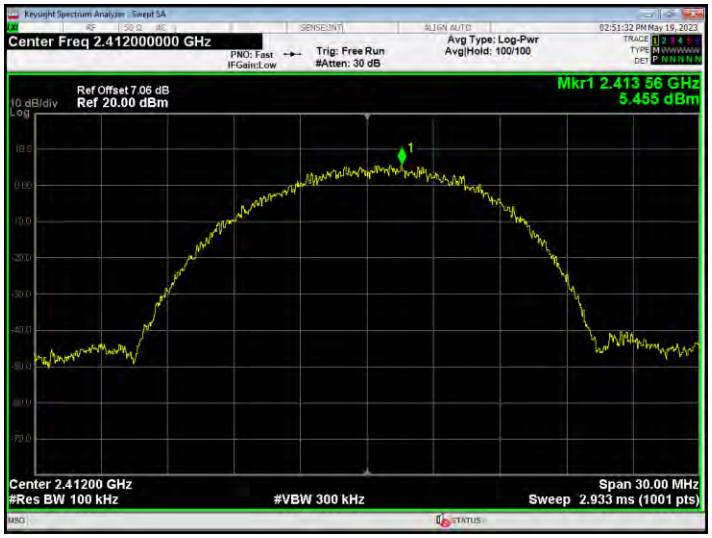
PSD NVNT n40 2452MHz Ant1



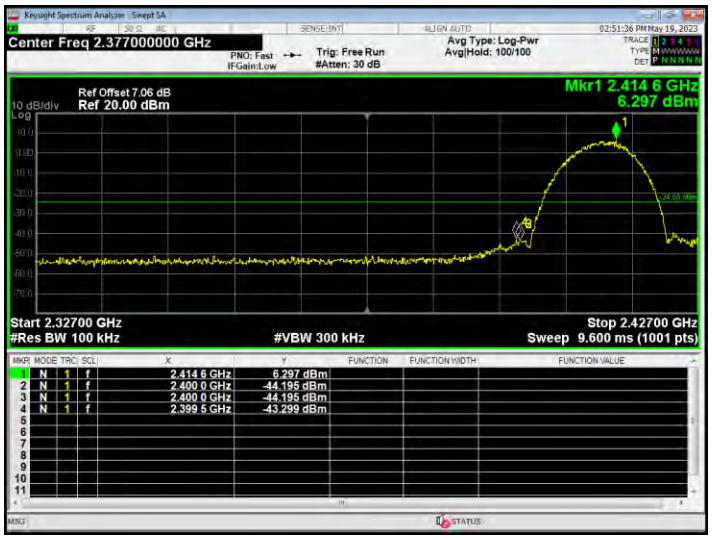
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-48.75	-30	Pass
NVNT	b	2462	Ant1	-58.14	-30	Pass
NVNT	g	2412	Ant1	-40.96	-30	Pass
NVNT	g	2462	Ant1	-54.13	-30	Pass
NVNT	n20	2412	Ant1	-33.81	-30	Pass
NVNT	n20	2462	Ant1	-52.68	-30	Pass
NVNT	n40	2422	Ant1	-33.87	-30	Pass
NVNT	n40	2452	Ant1	-48.1	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref

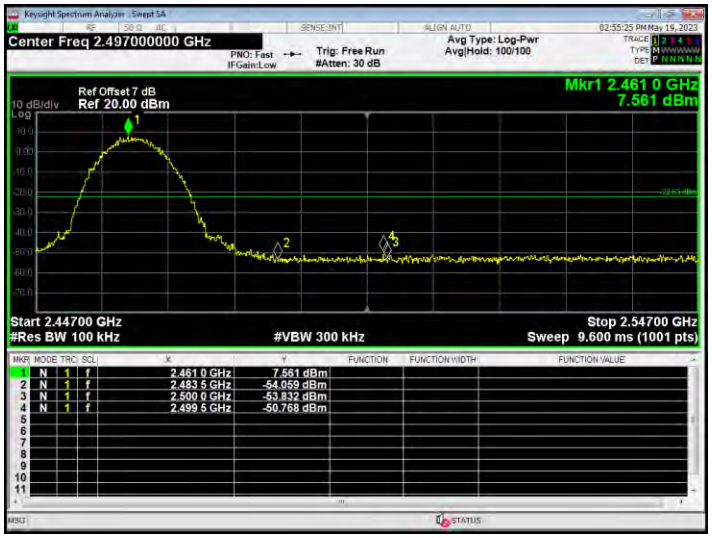


Band Edge NVNT b 2412MHz Ant1 Emission



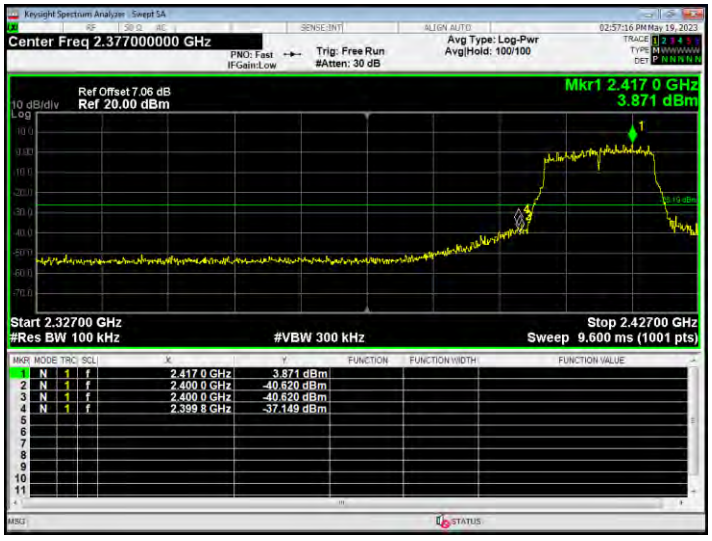
Band Edge NVNT b 2462MHz Ant1 Ref

Band Edge NVNT b 2462MHz Ant1 Emission

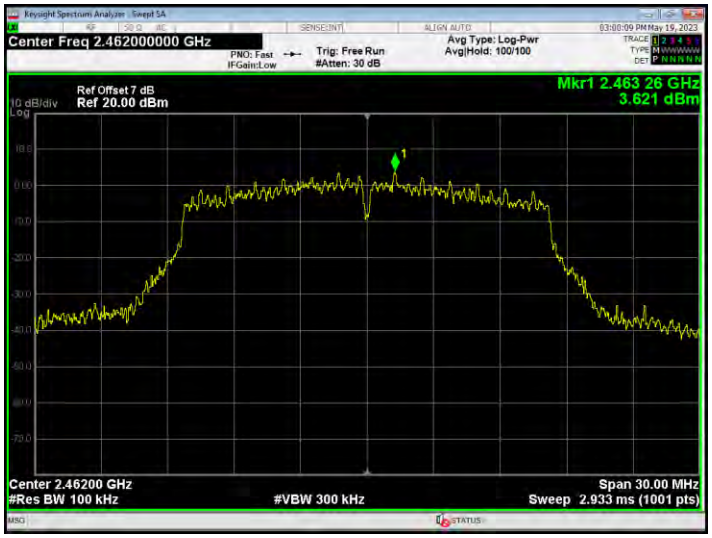


Band Edge NVNT g 2412MHz Ant1 Ref

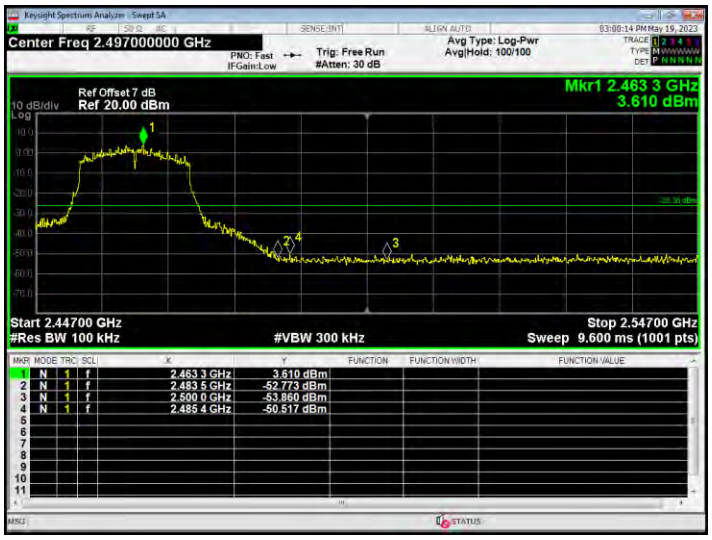
Band Edge NVNT g 2412MHz Ant1 Emission



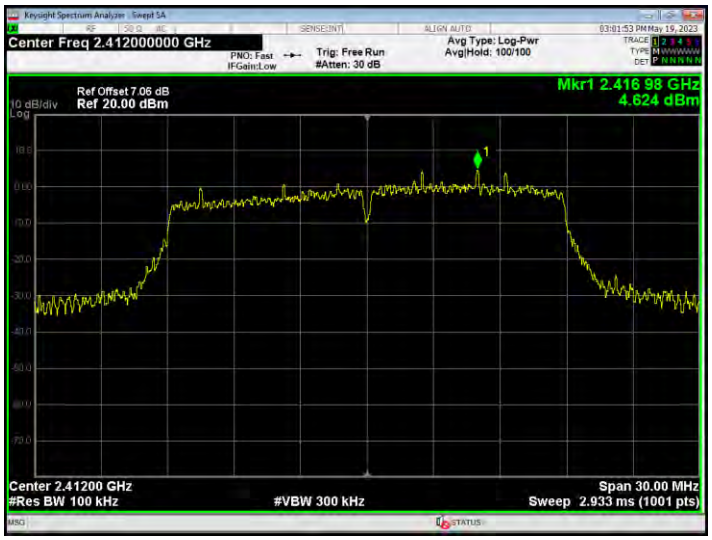
Band Edge NVNT g 2462MHz Ant1 Ref



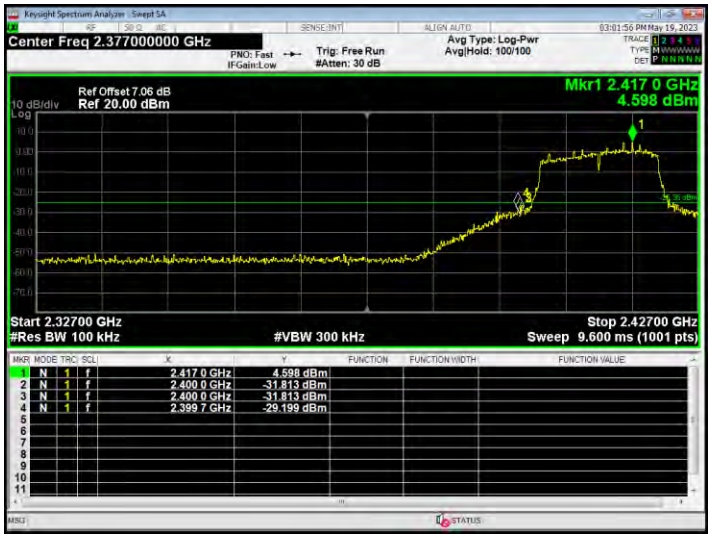
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref

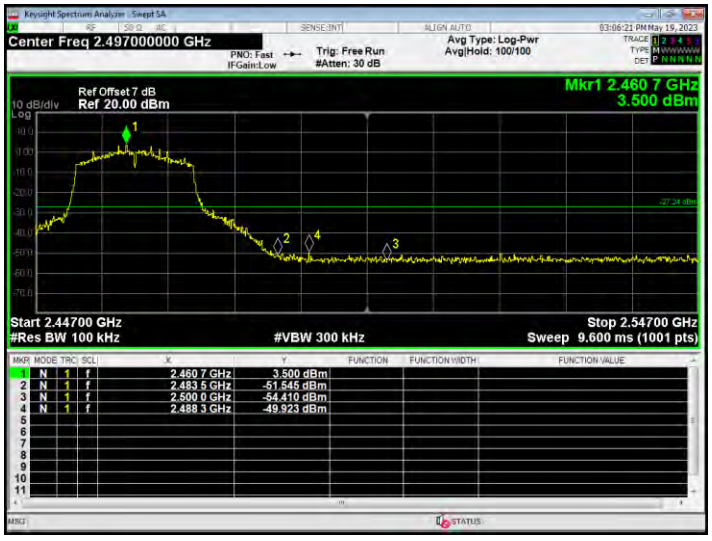


Band Edge NVNT n20 2412MHz Ant1 Emission



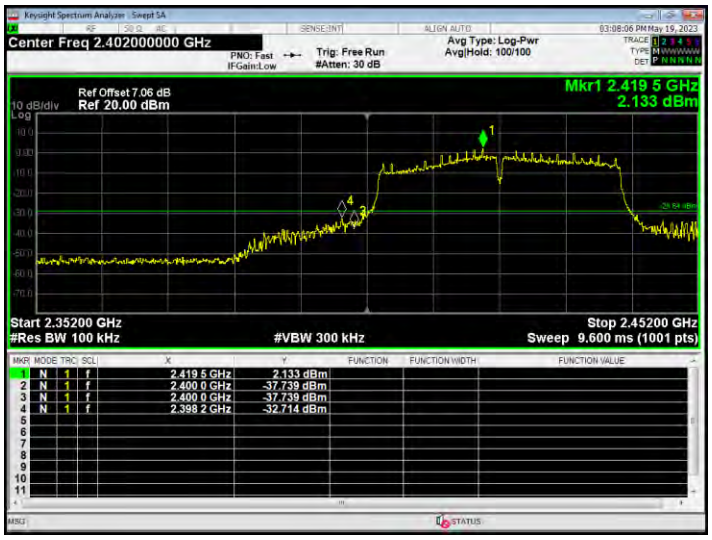
Band Edge NVNT n20 2462MHz Ant1 Ref

Band Edge NVNT n20 2462MHz Ant1 Emission

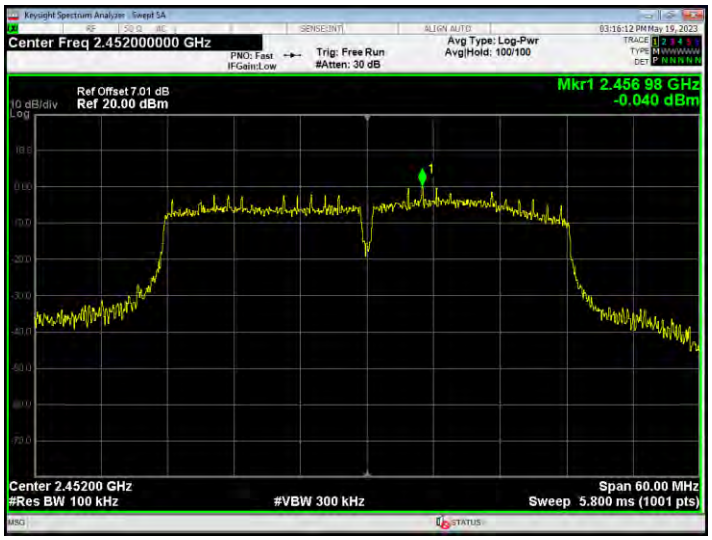


Band Edge NVNT n40 2422MHz Ant1 Ref

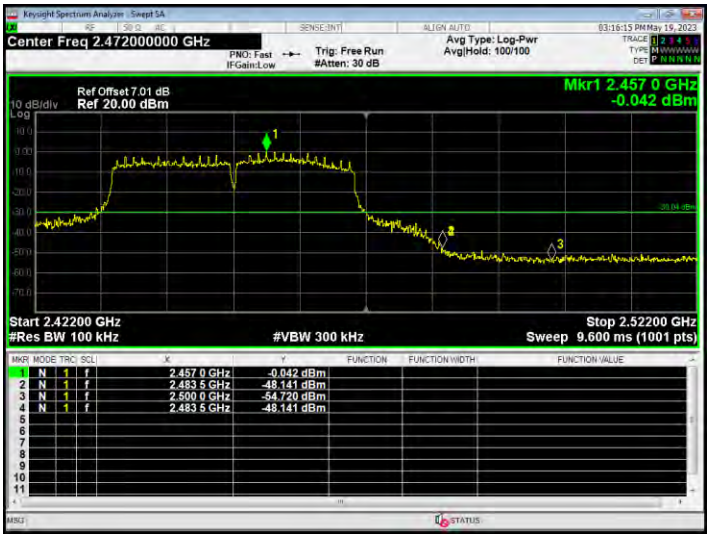
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



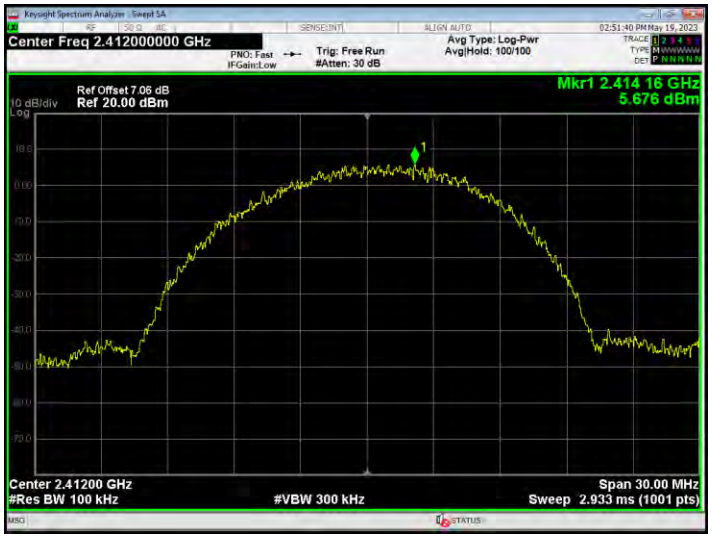
Band Edge NVNT n40 2452MHz Ant1 Emission



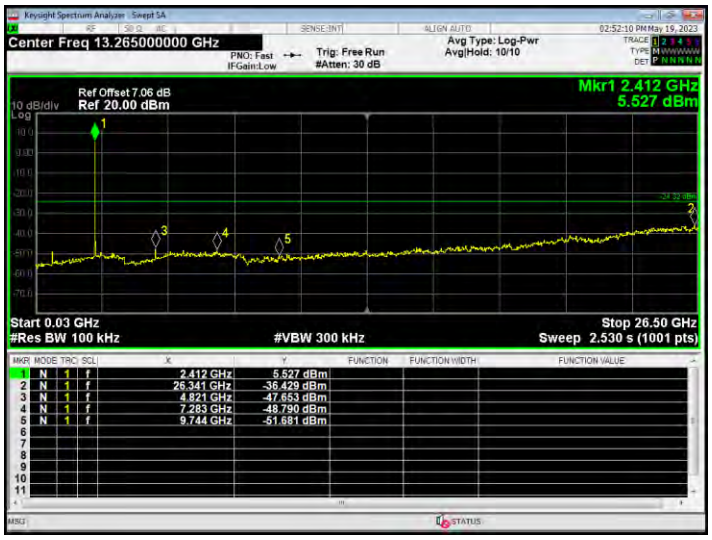
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-42.1	-30	Pass
NVNT	b	2437	Ant1	-43.3	-30	Pass
NVNT	b	2462	Ant1	-43.42	-30	Pass
NVNT	g	2412	Ant1	-40.32	-30	Pass
NVNT	g	2437	Ant1	-40.62	-30	Pass
NVNT	g	2462	Ant1	-39.85	-30	Pass
NVNT	n20	2412	Ant1	-40.67	-30	Pass
NVNT	n20	2437	Ant1	-41	-30	Pass
NVNT	n20	2462	Ant1	-40.16	-30	Pass
NVNT	n40	2422	Ant1	-38.47	-30	Pass
NVNT	n40	2437	Ant1	-36.66	-30	Pass
NVNT	n40	2452	Ant1	-35.8	-30	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref

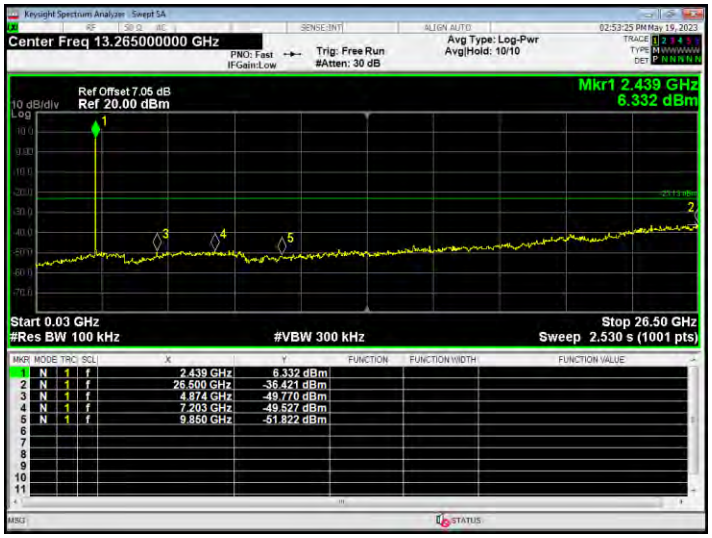


Tx. Spurious NVNT b 2412MHz Ant1 Emission



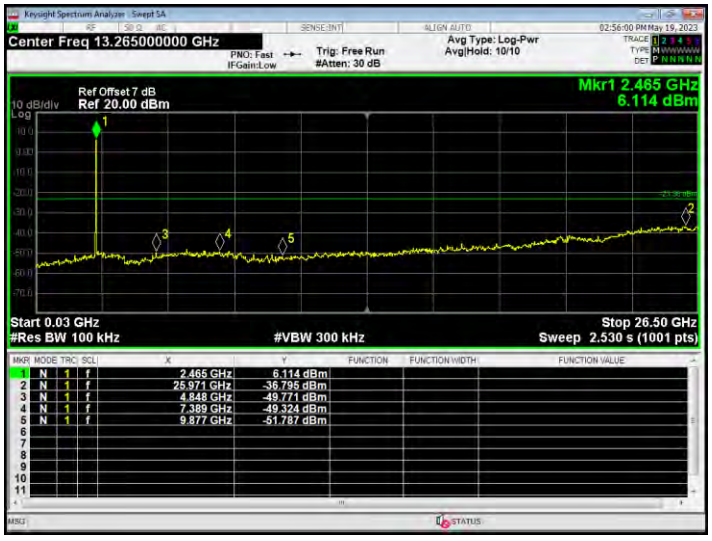
Tx. Spurious NVNT b 2437MHz Ant1 Ref

Tx. Spurious NVNT b 2437MHz Ant1 Emission

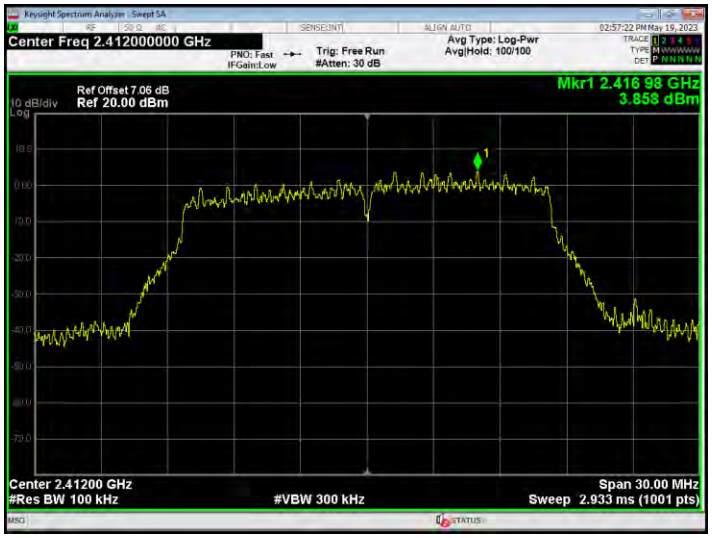


Tx. Spurious NVNT b 2462MHz Ant1 Ref

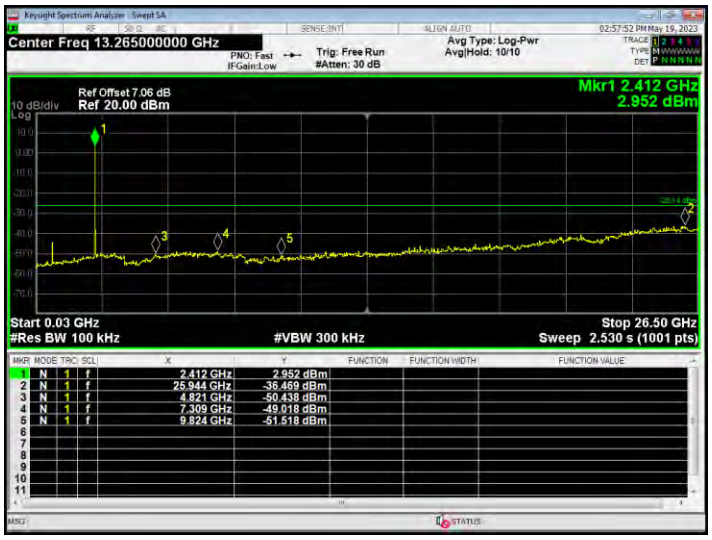
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref

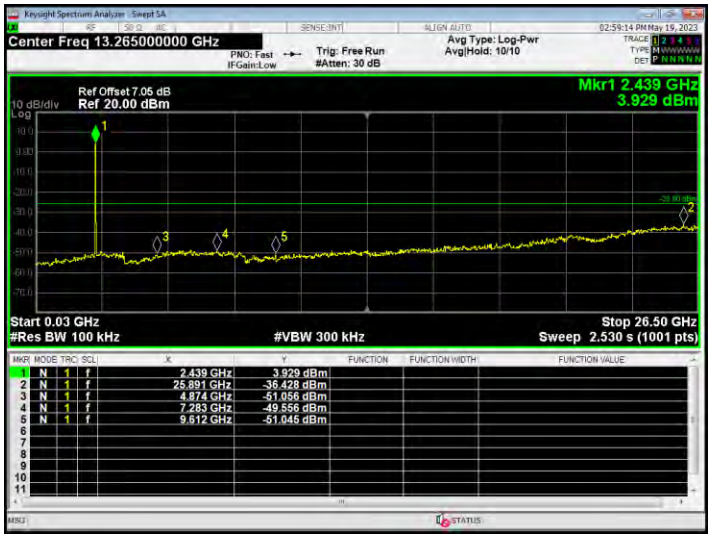


Tx. Spurious NVNT g 2412MHz Ant1 Emission



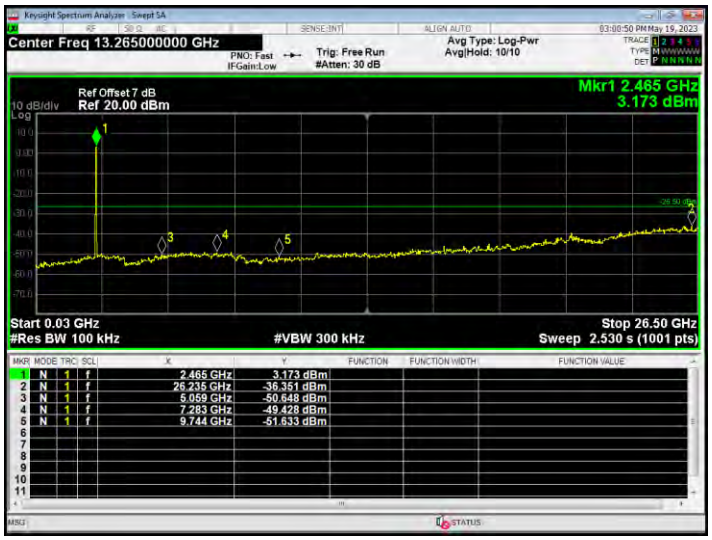
Tx. Spurious NVNT g 2437MHz Ant1 Ref

Tx. Spurious NVNT g 2437MHz Ant1 Emission

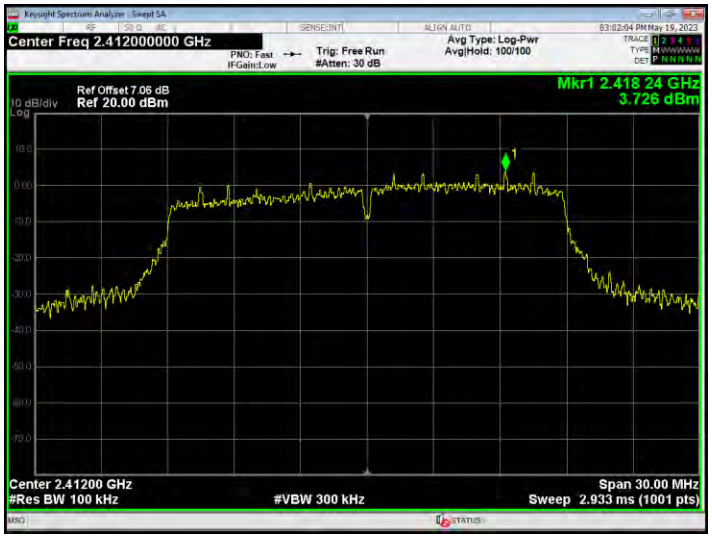


Tx. Spurious NVNT g 2462MHz Ant1 Ref

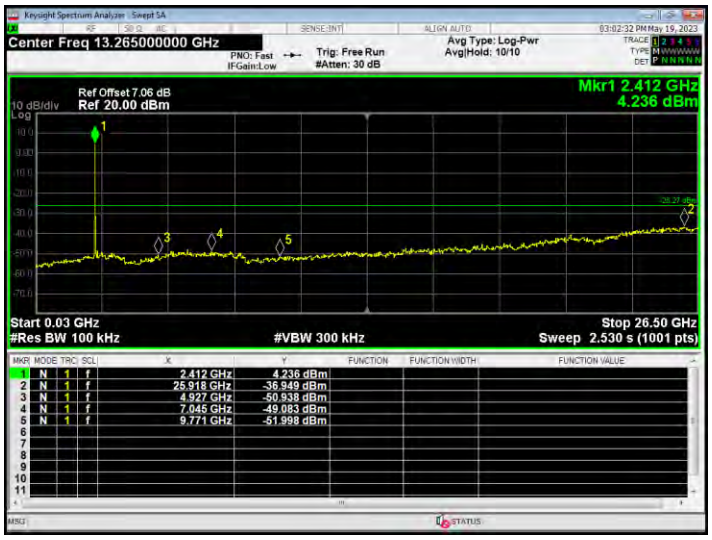
Tx. Spurious NVNT g 2462MHz Ant1 Emission



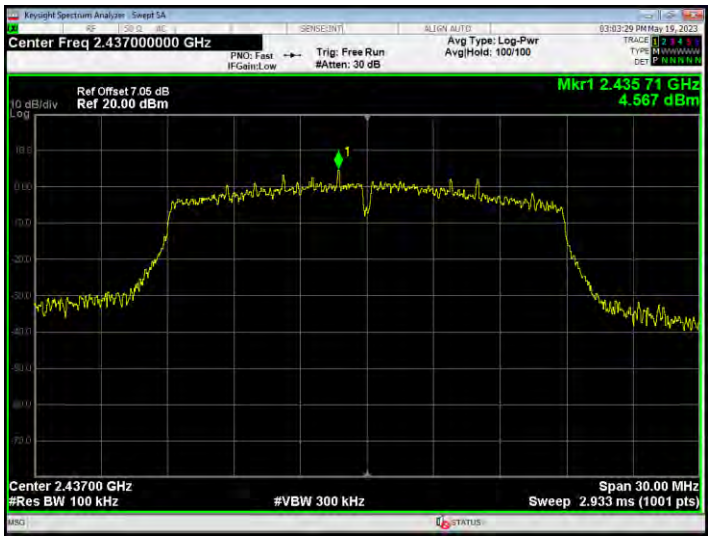
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



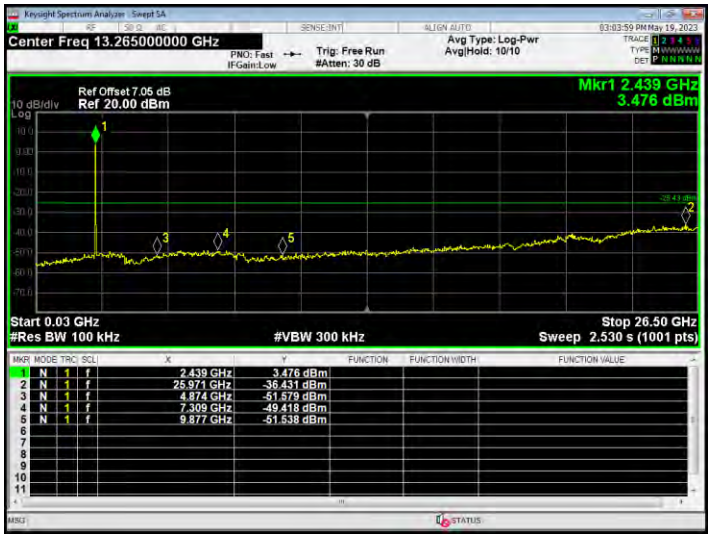
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref

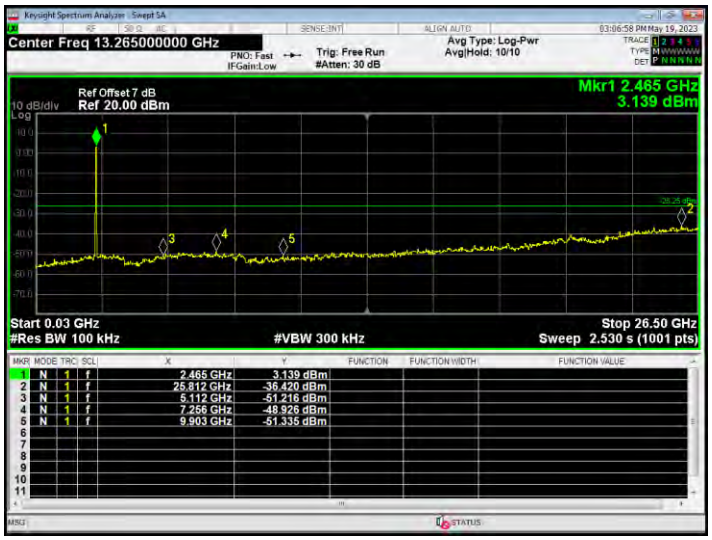


Tx. Spurious NVNT n20 2437MHz Ant1 Emission

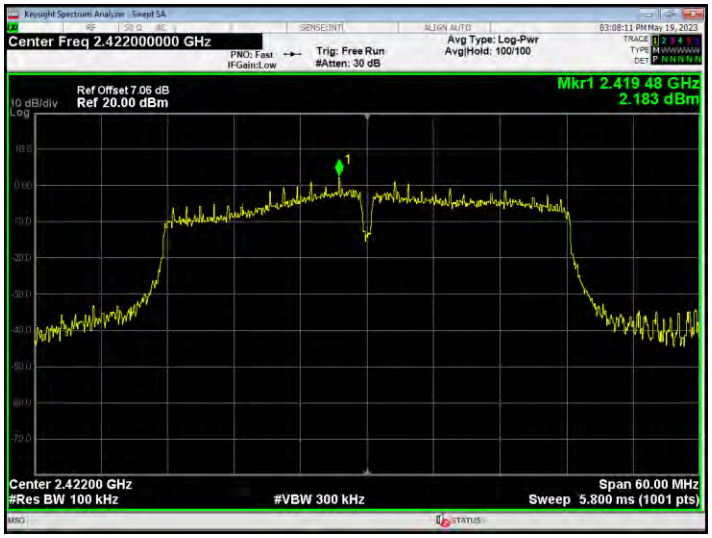


Tx. Spurious NVNT n20 2462MHz Ant1 Ref

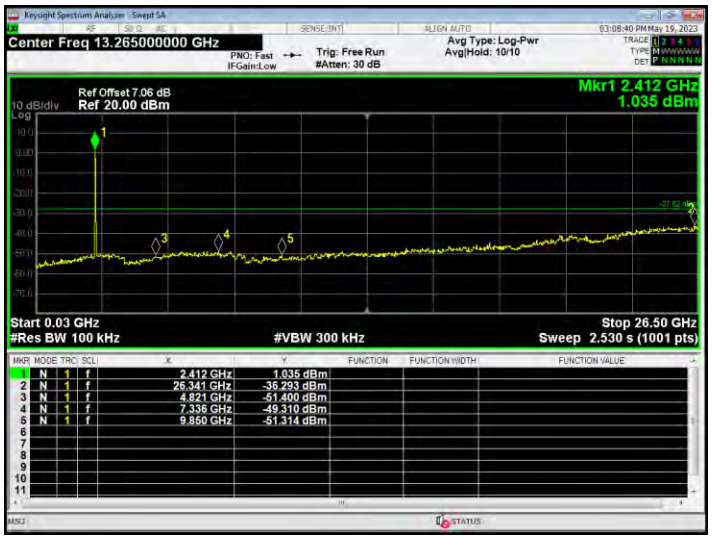
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



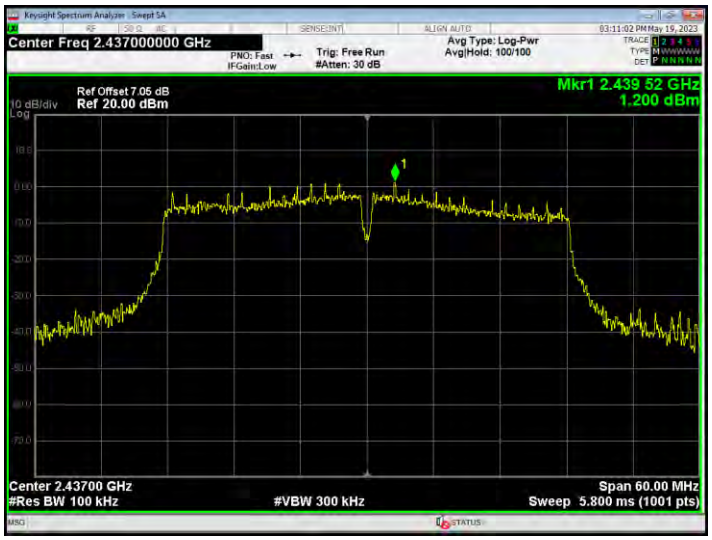
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



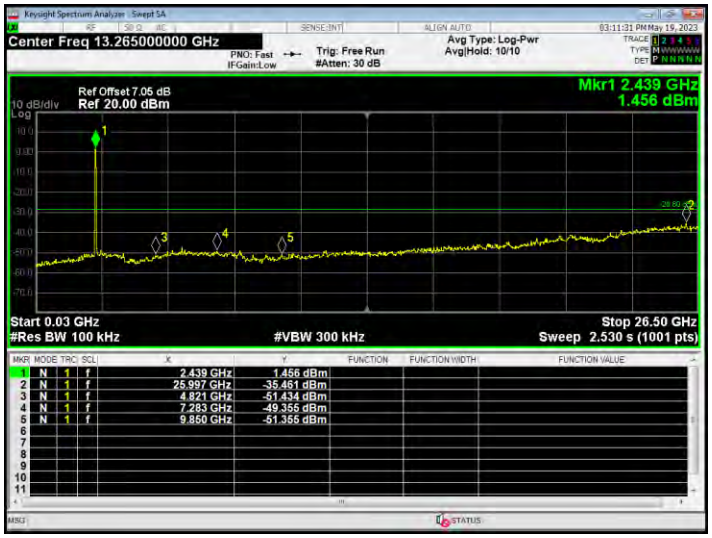
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



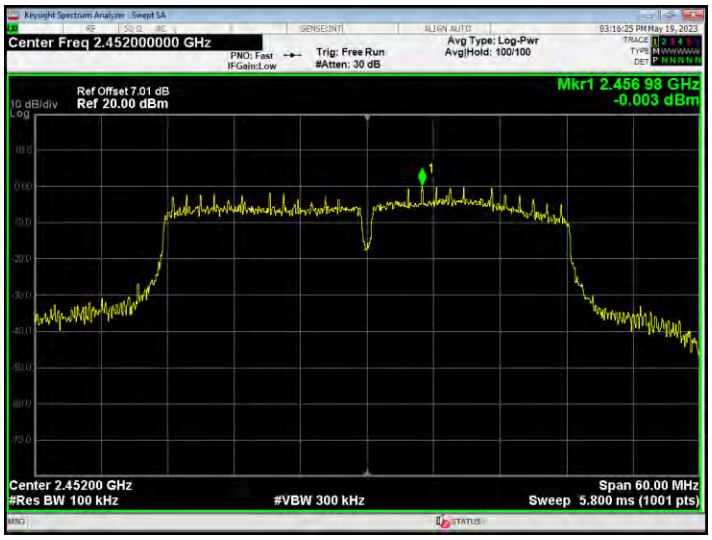
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission