

ANNEX 1

FCC ID: 2A54Y-X7B

Applicant: Shenzhen TFIRETEK Technology Co, Ltd.

Address: Floor 2, Building A, Queshan Guanghao Industrial Park, Taoyuan Community, Dalang Street, Longhua District, Shenzhen

Manufacturer: Shenzhen TFIRETEK Technology Co, Ltd.

Address: Floor 2, Building A, Queshan Guanghao Industrial Park, Taoyuan Community, Dalang Street, Longhua District, Shenzhen

EUT: Projector

Trade Mark: N/A

Model Number: X7B, X7B-LAN, X7B-Pro, X7B-Max, X7B-Mate

Date of Receipt: Sep. 12, 2023

Test Date: Sep. 12, 2023 - Sep. 22, 2023

Date of Report: Sep. 22, 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

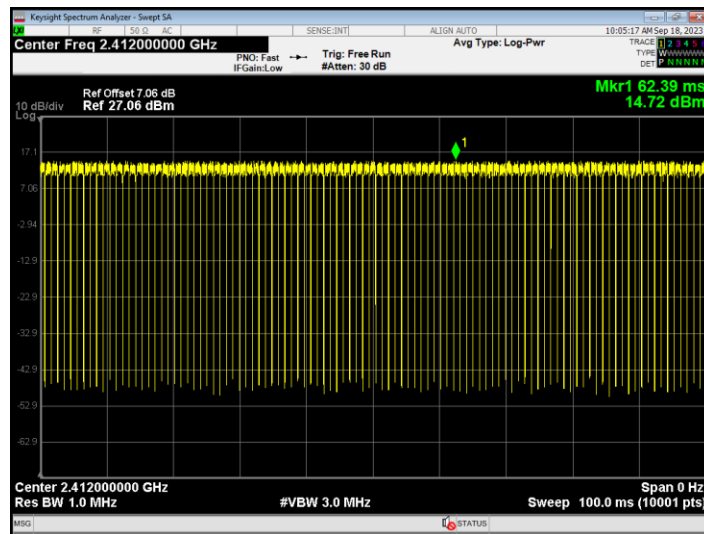
Applicable Standards: FCC PART 15 C 15.249
ANSI C63.10:2013

Test Result: Pass

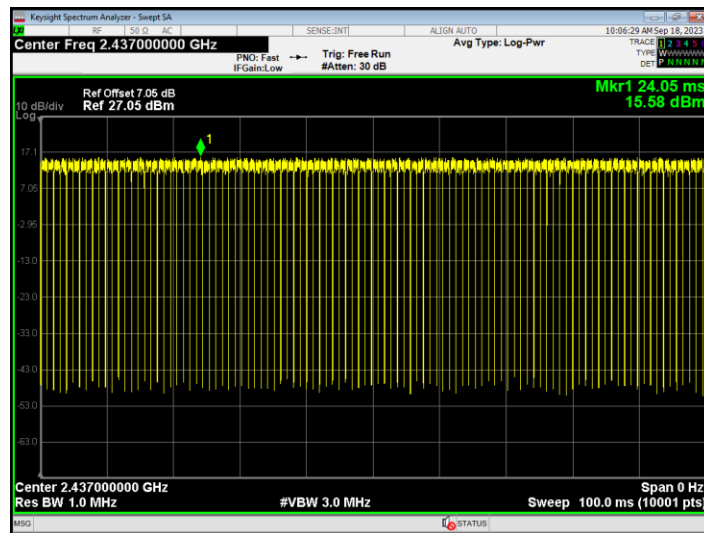
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.31	0.12
NVNT	b	2437	Ant1	97.3	0.12
NVNT	b	2462	Ant1	97.32	0.12
NVNT	g	2412	Ant1	85.12	0.7
NVNT	g	2437	Ant1	85.03	0.7
NVNT	g	2462	Ant1	85	0.71
NVNT	n20	2412	Ant1	97.59	0.11
NVNT	n20	2437	Ant1	97.53	0.11
NVNT	n20	2462	Ant1	97.52	0.11
NVNT	n40	2422	Ant1	95.32	0.21
NVNT	n40	2437	Ant1	95.28	0.21
NVNT	n40	2452	Ant1	95.3	0.21

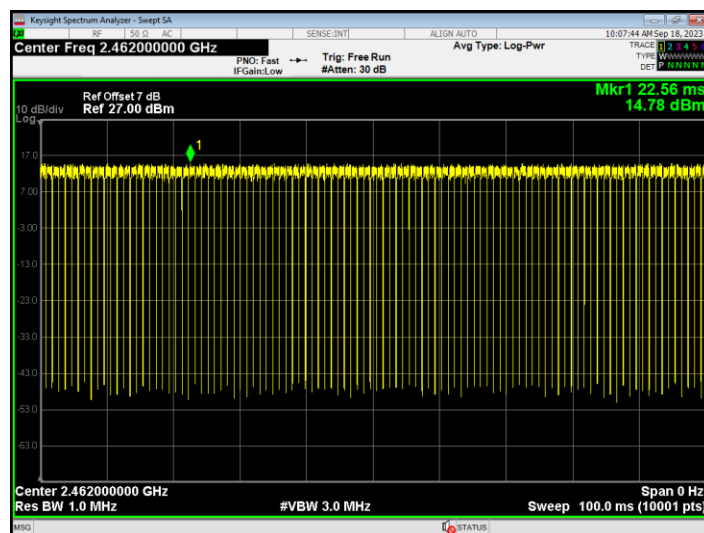
Duty Cycle NVNT b 2412MHz Ant1



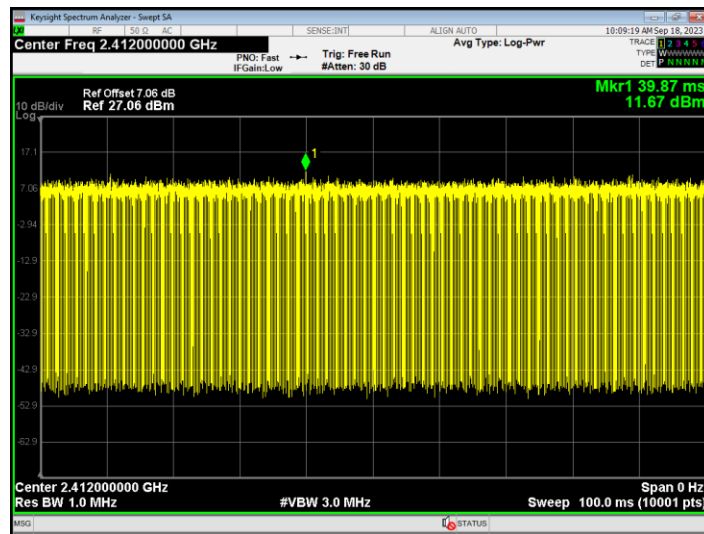
Duty Cycle NVNT b 2437MHz Ant1



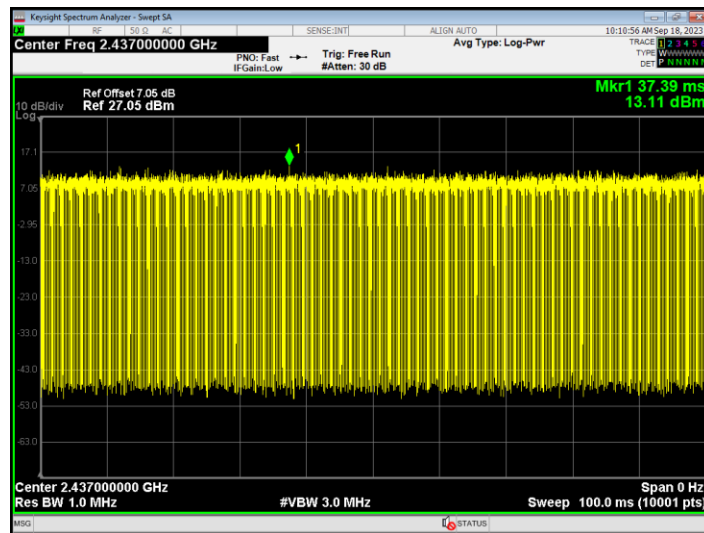
Duty Cycle NVNT b 2462MHz Ant1



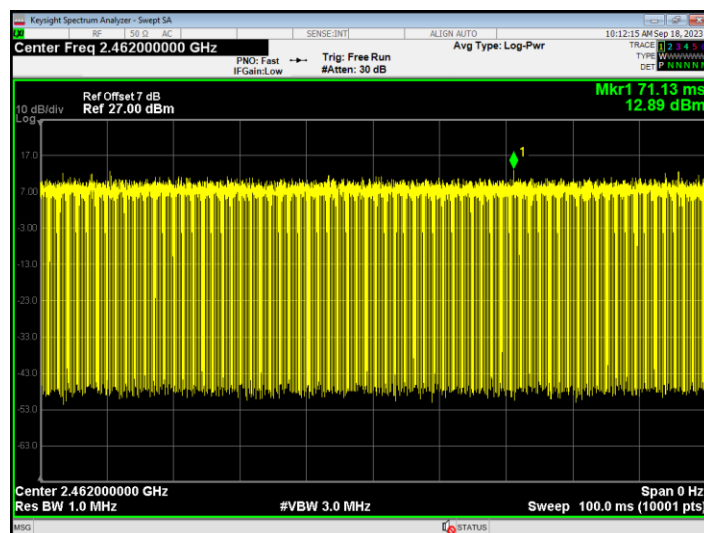
Duty Cycle NVNT g 2412MHz Ant1



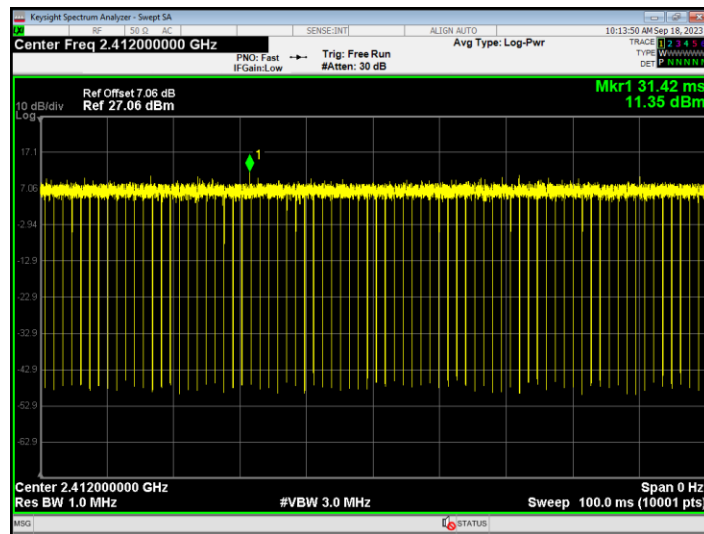
Duty Cycle NVNT g 2437MHz Ant1



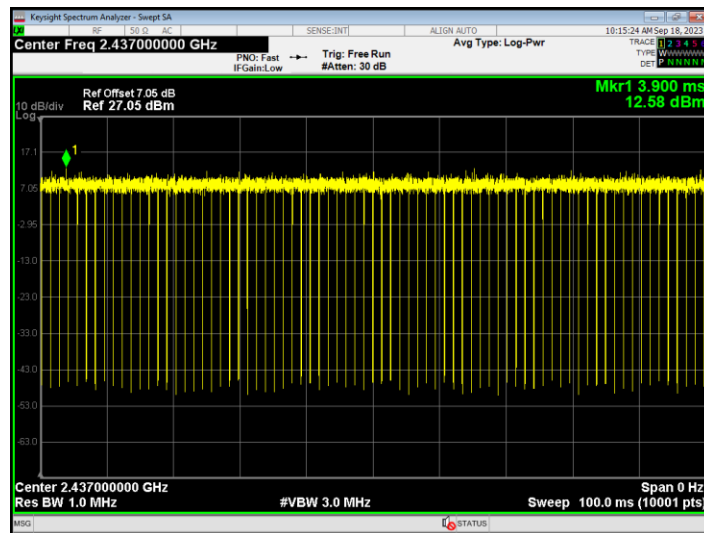
Duty Cycle NVNT g 2462MHz Ant1



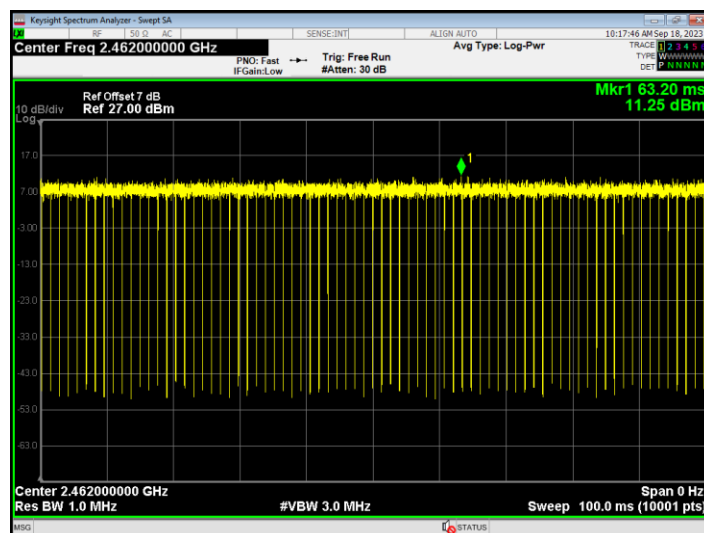
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1



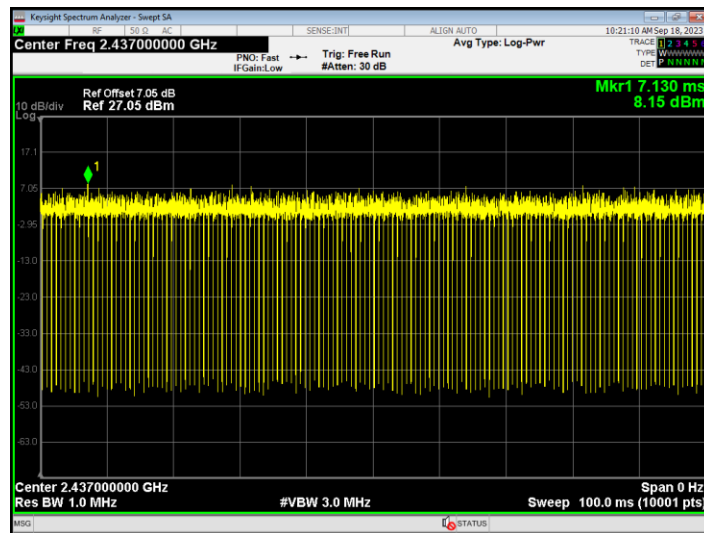
Duty Cycle NVNT n20 2462MHz Ant1



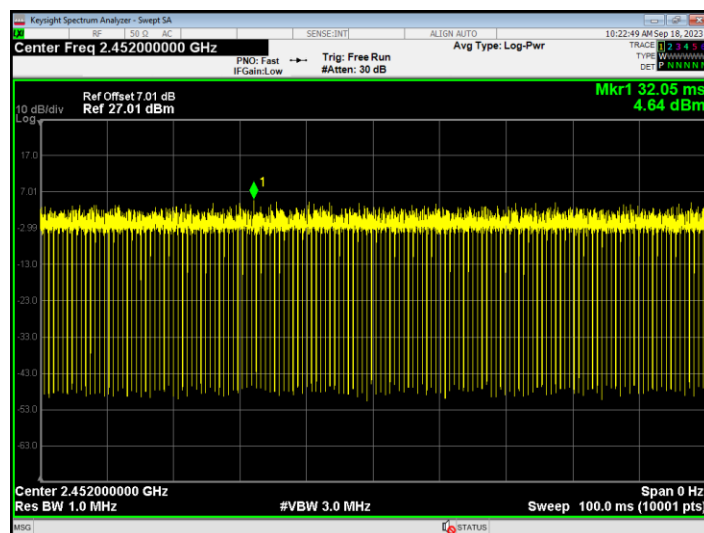
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



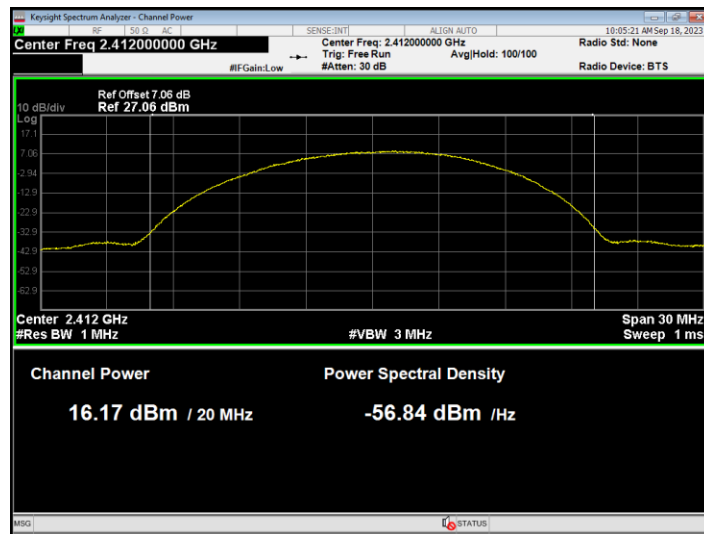
Duty Cycle NVNT n40 2452MHz Ant1



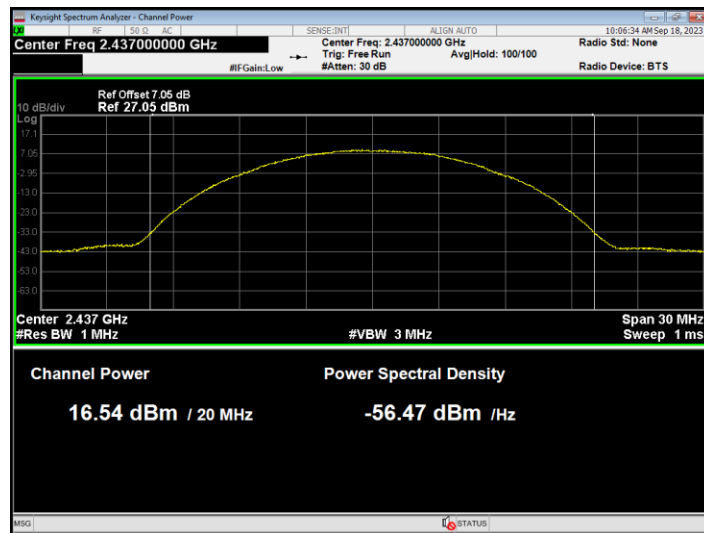
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.169	0.12	16.289	30	Pass
NVNT	b	2437	Ant1	16.544	0.12	16.664	30	Pass
NVNT	b	2462	Ant1	15.7	0.12	15.82	30	Pass
NVNT	g	2412	Ant1	12.766	0.7	13.466	30	Pass
NVNT	g	2437	Ant1	13.351	0.7	14.051	30	Pass
NVNT	g	2462	Ant1	12.22	0.71	12.93	30	Pass
NVNT	n20	2412	Ant1	13.791	0.11	13.901	30	Pass
NVNT	n20	2437	Ant1	14.428	0.11	14.538	30	Pass
NVNT	n20	2462	Ant1	13.206	0.11	13.316	30	Pass
NVNT	n40	2422	Ant1	13.408	0.21	13.618	30	Pass
NVNT	n40	2437	Ant1	13.627	0.21	13.837	30	Pass
NVNT	n40	2452	Ant1	12.833	0.21	13.043	30	Pass

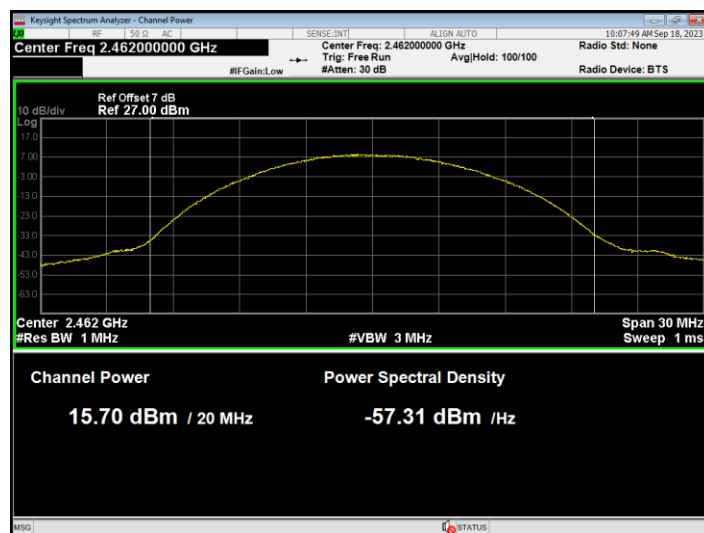
Power NVNT b 2412MHz Ant1



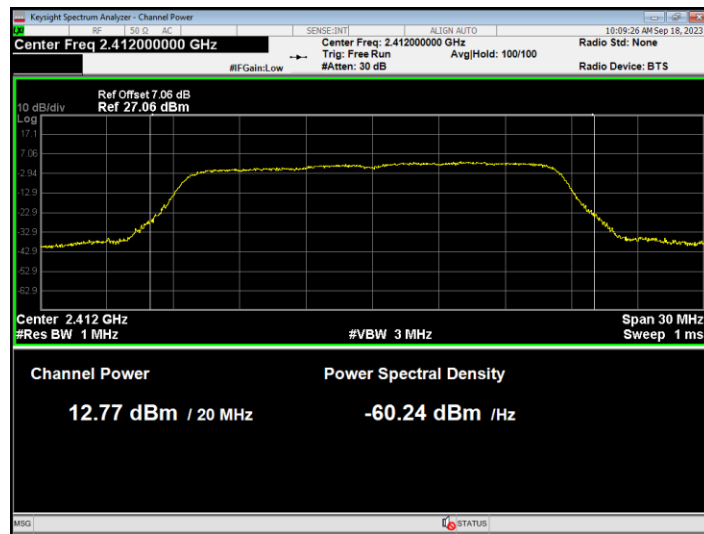
Power NVNT b 2437MHz Ant1



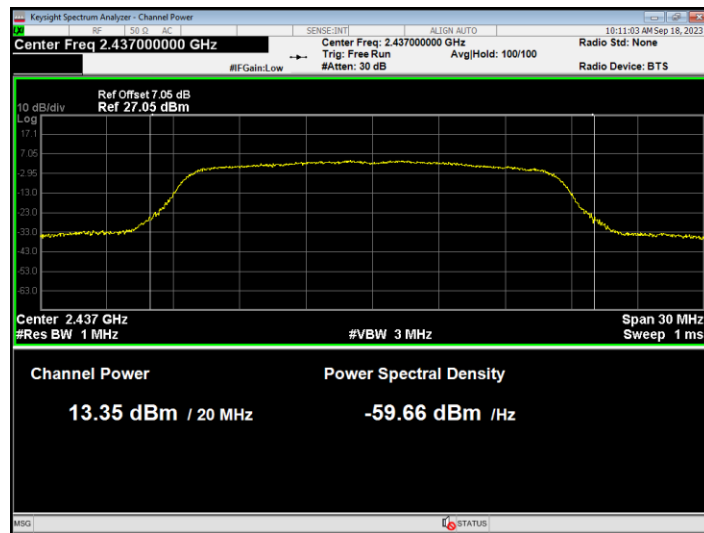
Power NVNT b 2462MHz Ant1



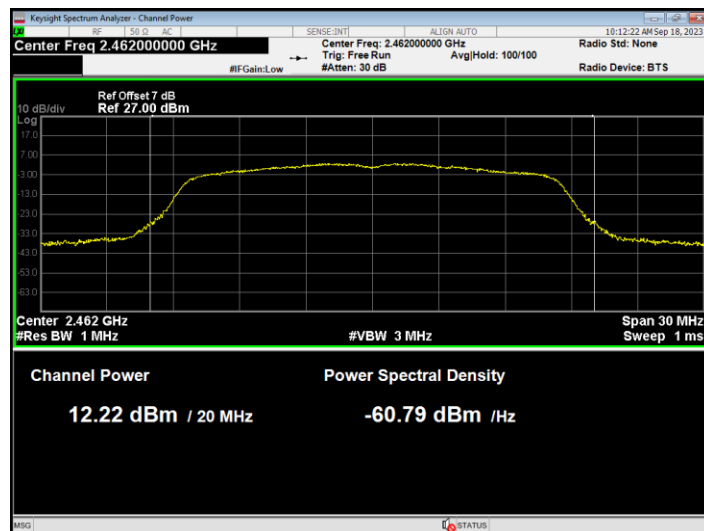
Power NVNT g 2412MHz Ant1



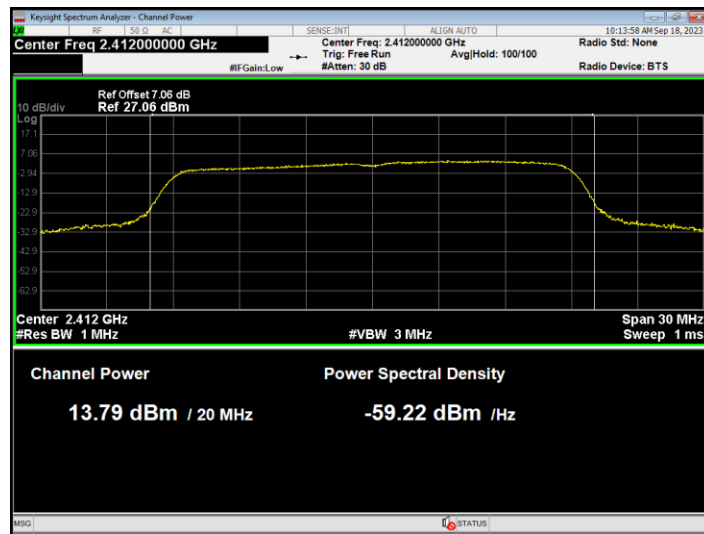
Power NVNT g 2437MHz Ant1



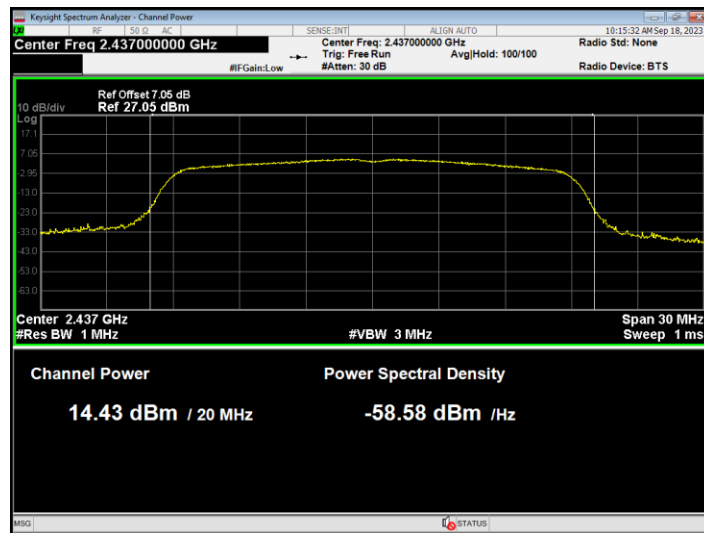
Power NVNT g 2462MHz Ant1



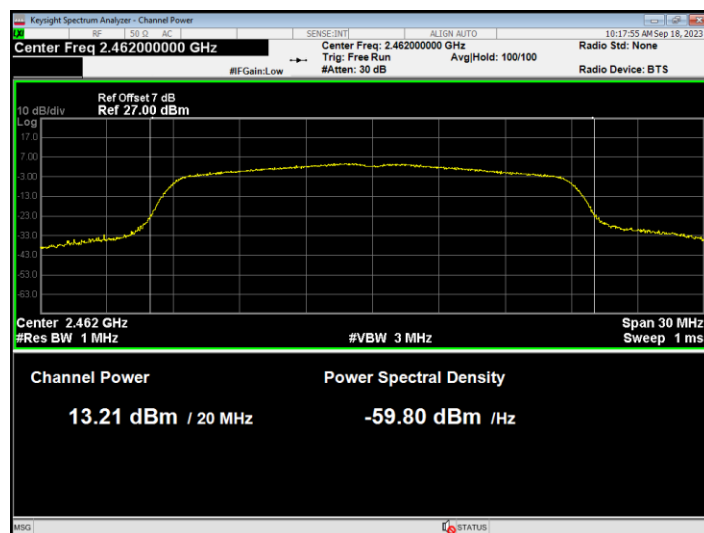
Power NVNT n20 2412MHz Ant1



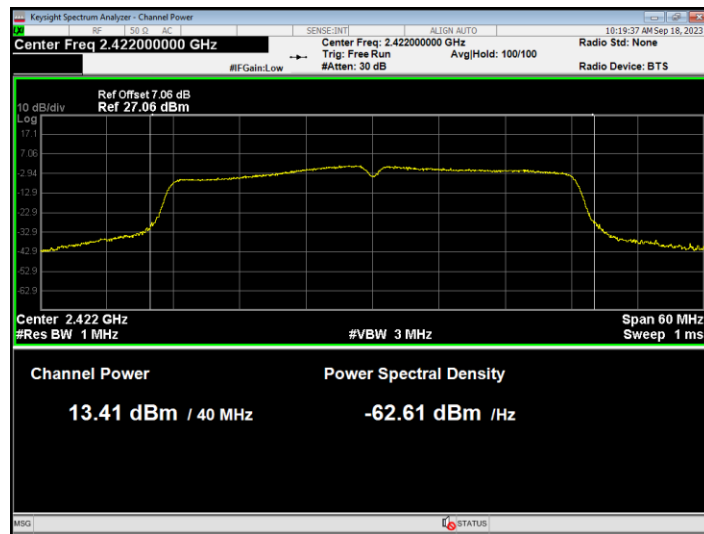
Power NVNT n20 2437MHz Ant1



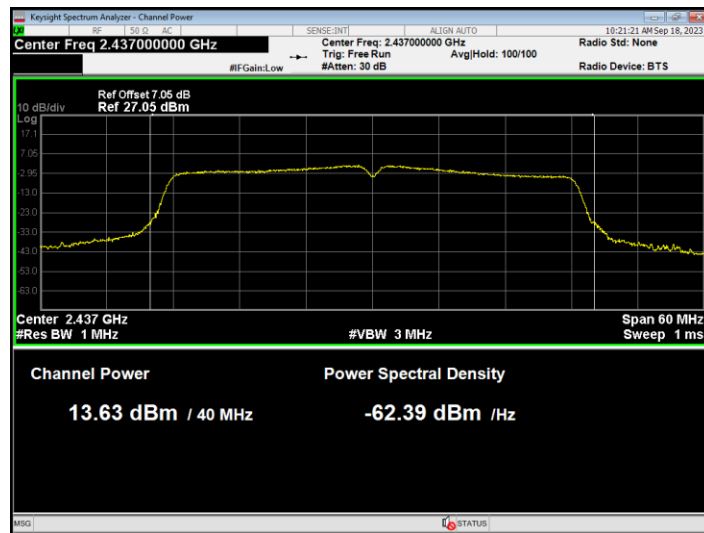
Power NVNT n20 2462MHz Ant1



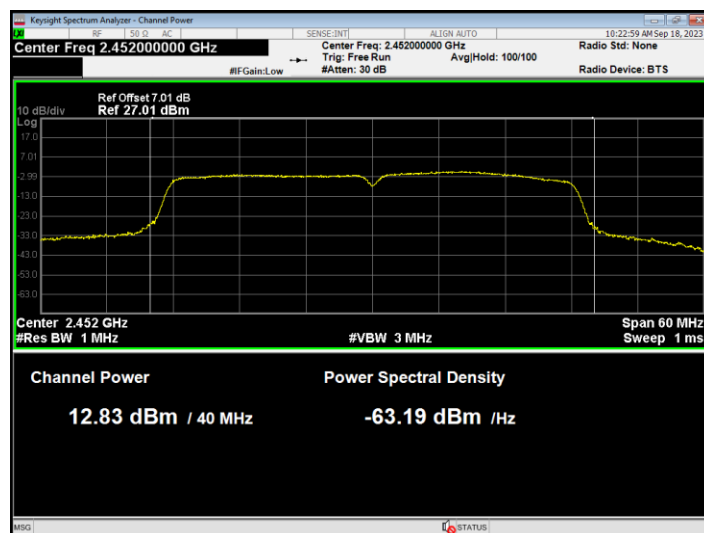
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



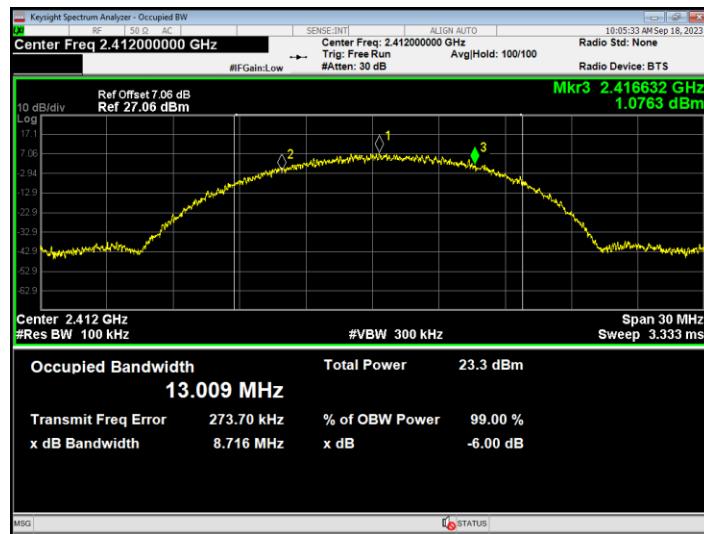
Power NVNT n40 2452MHz Ant1



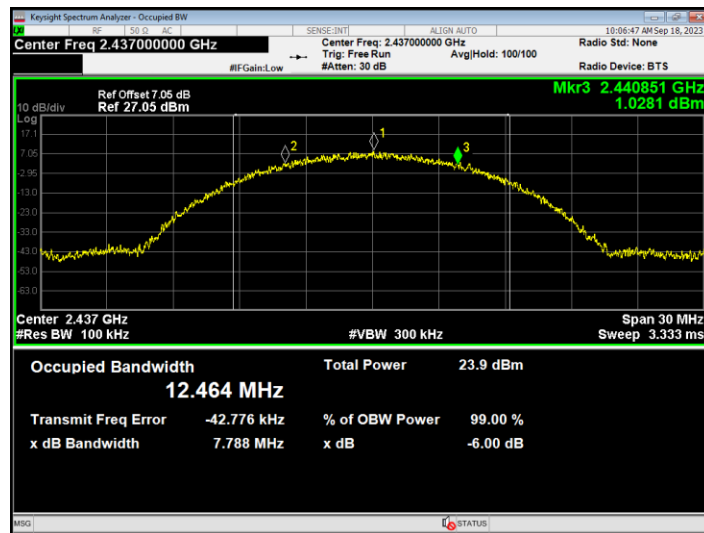
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.716	0.5	Pass
NVNT	b	2437	Ant1	7.788	0.5	Pass
NVNT	b	2462	Ant1	6.666	0.5	Pass
NVNT	g	2412	Ant1	15.775	0.5	Pass
NVNT	g	2437	Ant1	15.044	0.5	Pass
NVNT	g	2462	Ant1	15.038	0.5	Pass
NVNT	n20	2412	Ant1	15.014	0.5	Pass
NVNT	n20	2437	Ant1	15.005	0.5	Pass
NVNT	n20	2462	Ant1	11.305	0.5	Pass
NVNT	n40	2422	Ant1	23.821	0.5	Pass
NVNT	n40	2437	Ant1	32.535	0.5	Pass
NVNT	n40	2452	Ant1	35.062	0.5	Pass

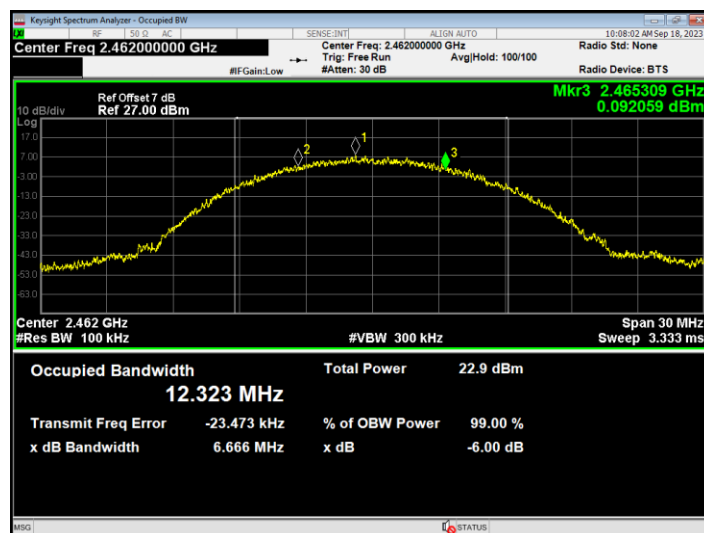
-6dB Bandwidth NVNT b 2412MHz Ant1



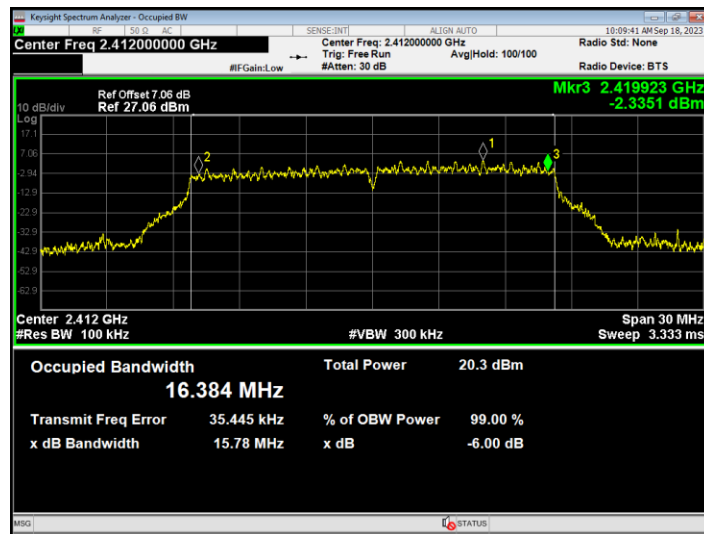
-6dB Bandwidth NVNT b 2437MHz Ant1



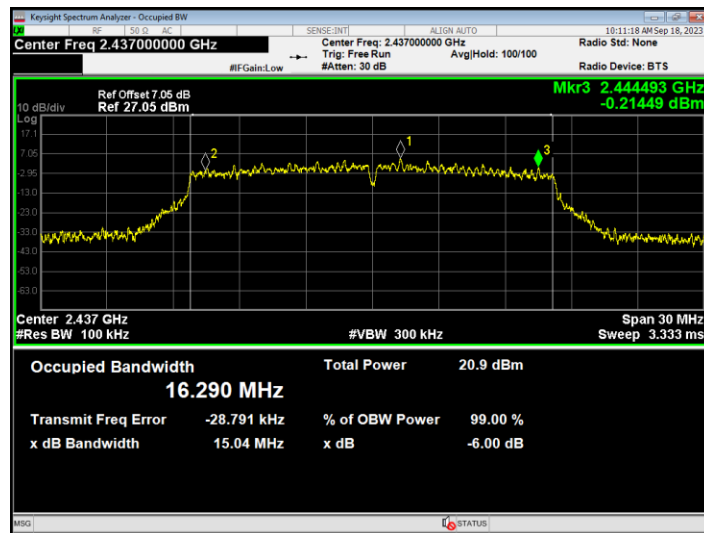
-6dB Bandwidth NVNT b 2462MHz Ant1



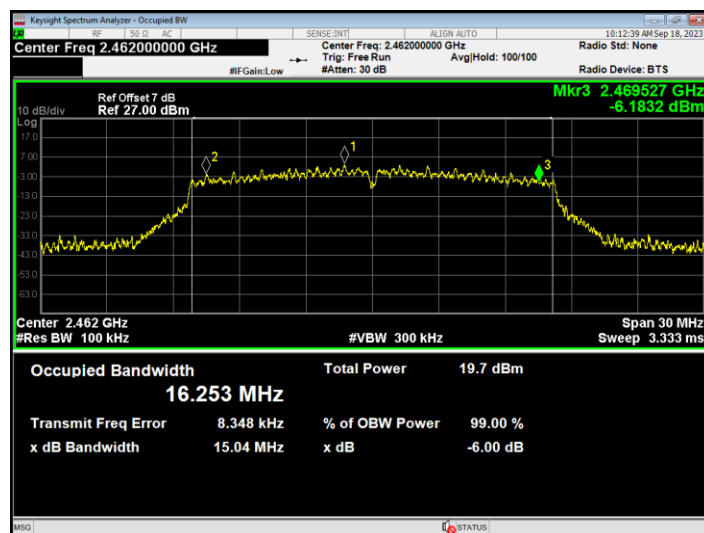
-6dB Bandwidth NVNT g 2412MHz Ant1



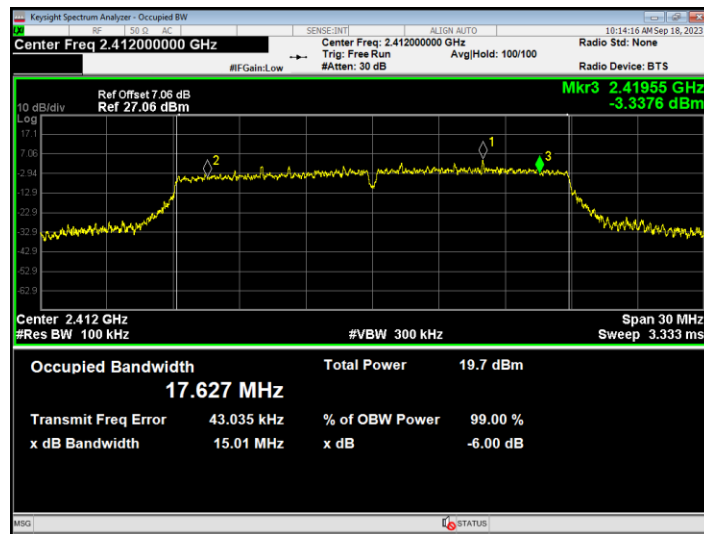
-6dB Bandwidth NVNT g 2437MHz Ant1



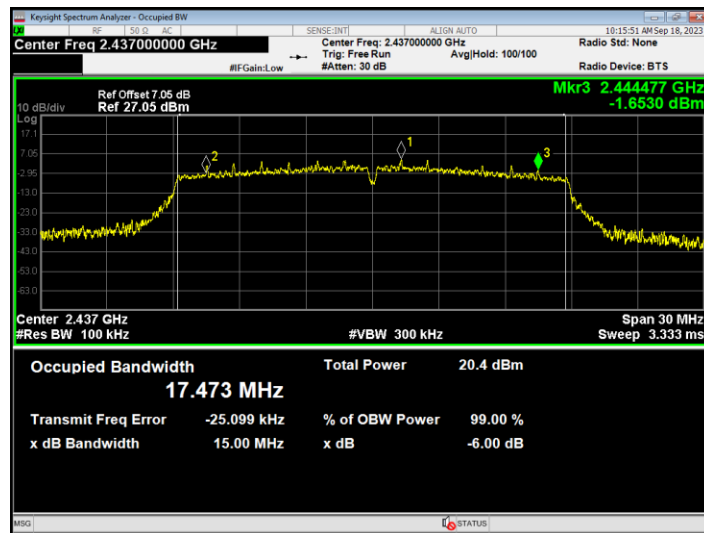
-6dB Bandwidth NVNT g 2462MHz Ant1



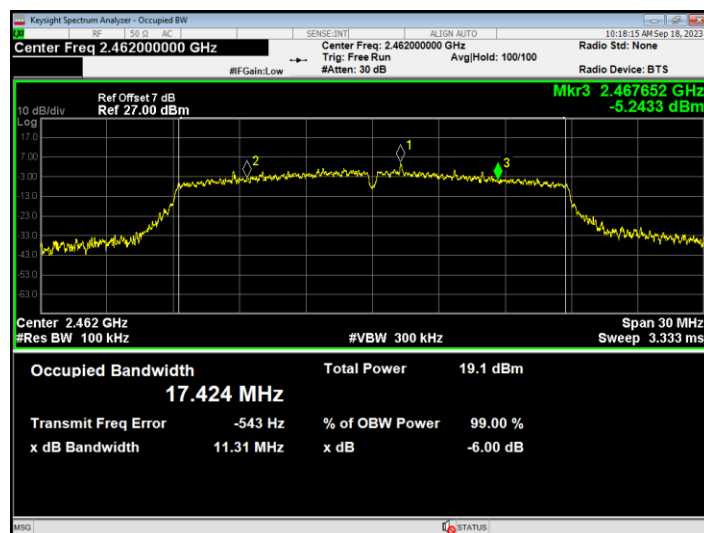
-6dB Bandwidth NVNT n20 2412MHz Ant1



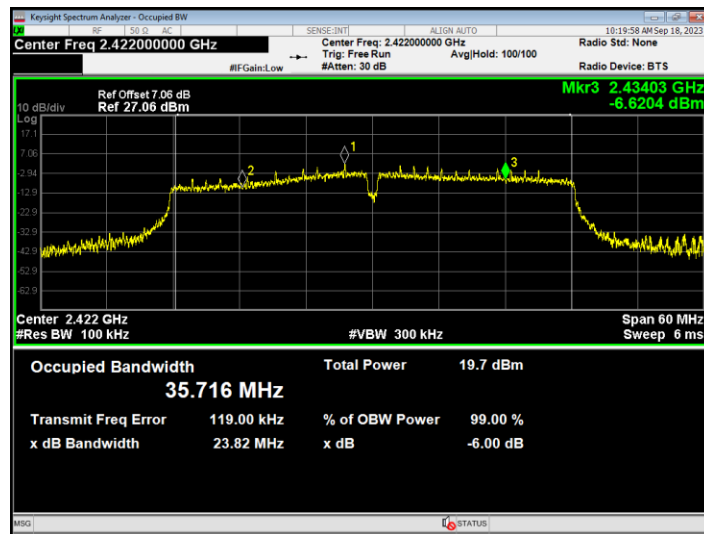
-6dB Bandwidth NVNT n20 2437MHz Ant1



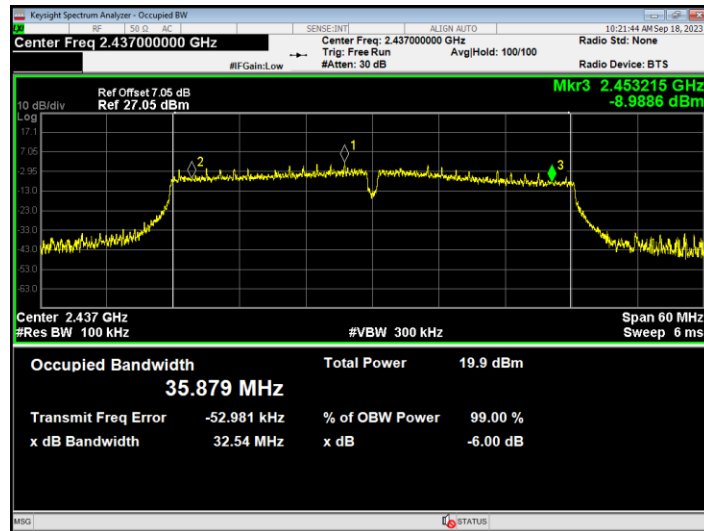
-6dB Bandwidth NVNT n20 2462MHz Ant1



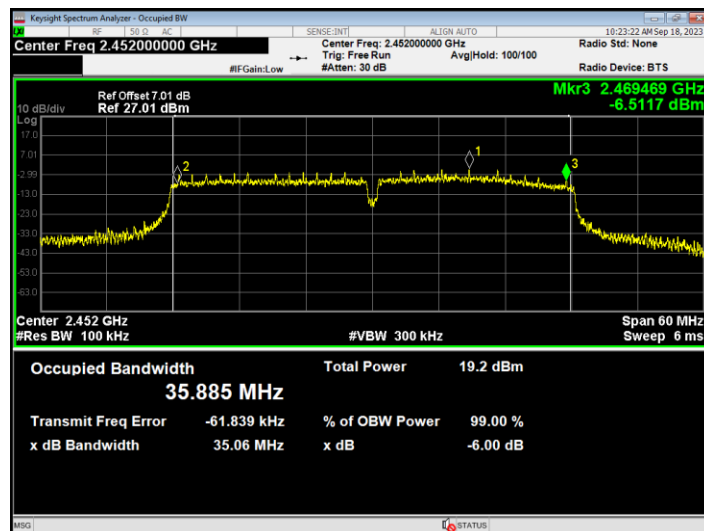
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



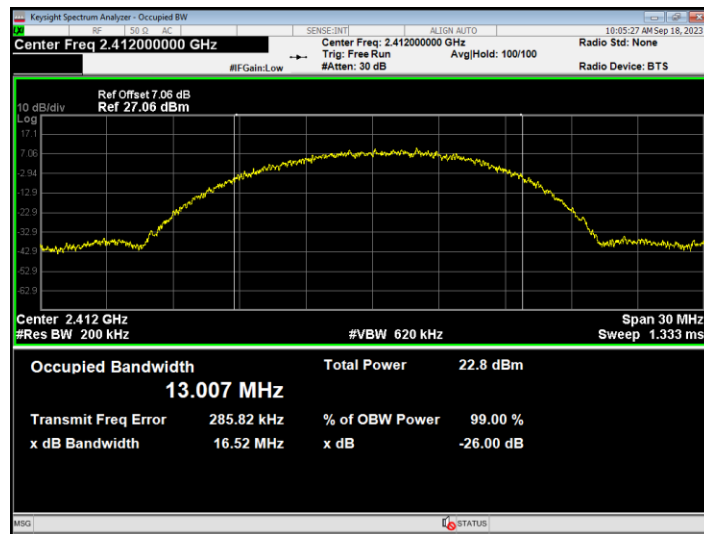
-6dB Bandwidth NVNT n40 2452MHz Ant1



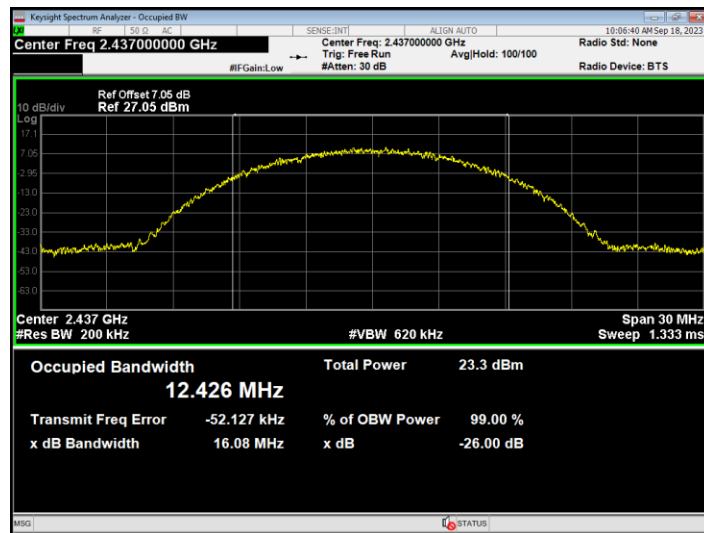
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.00653042
NVNT	b	2437	Ant1	12.42609325
NVNT	b	2462	Ant1	12.15282024
NVNT	g	2412	Ant1	16.47597172
NVNT	g	2437	Ant1	16.32342744
NVNT	g	2462	Ant1	16.24086339
NVNT	n20	2412	Ant1	17.73887264
NVNT	n20	2437	Ant1	17.46581234
NVNT	n20	2462	Ant1	17.41235505
NVNT	n40	2422	Ant1	35.84440893
NVNT	n40	2437	Ant1	36.02224661
NVNT	n40	2452	Ant1	35.96537879

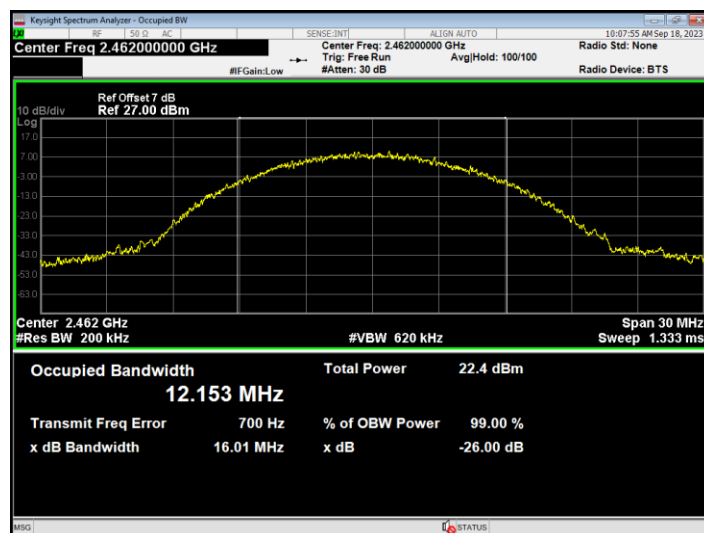
OBW NVNT b 2412MHz Ant1



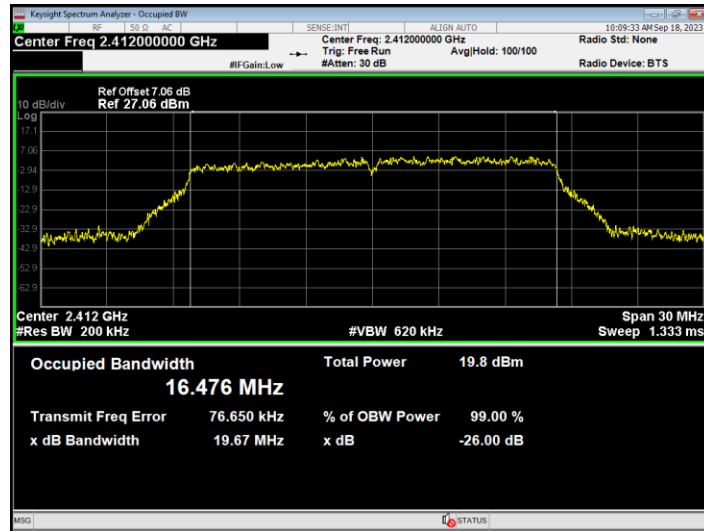
OBW NVNT b 2437MHz Ant1



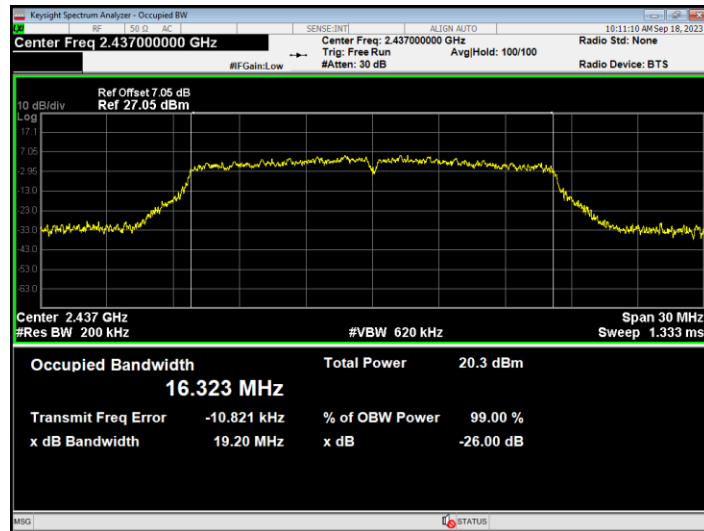
OBW NVNT b 2462MHz Ant1



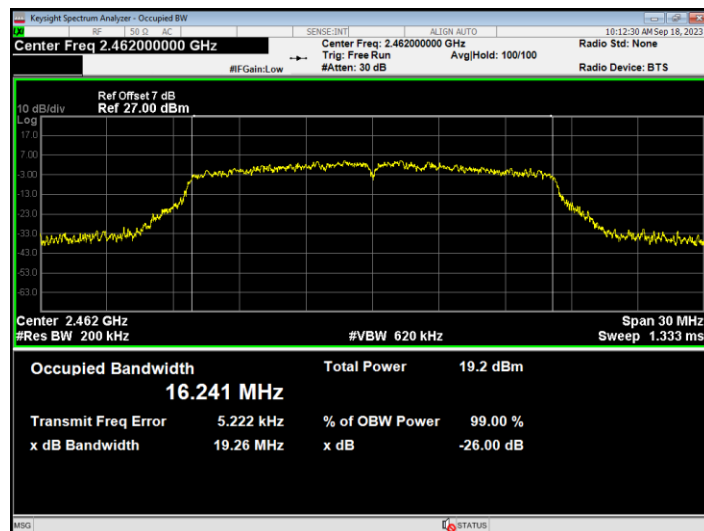
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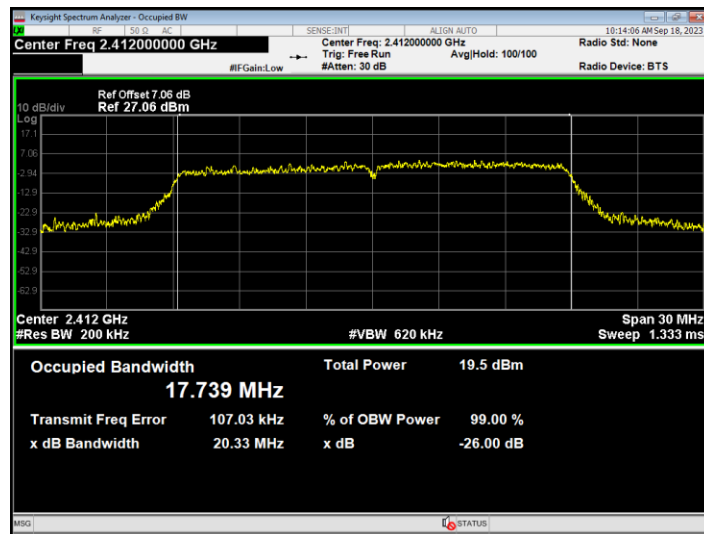
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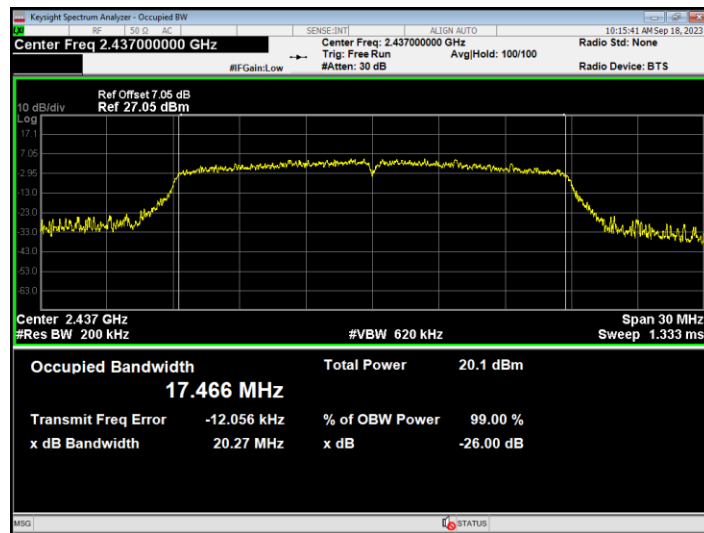
OBW NVNT g 2462MHz Ant1



OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1



OBW NVNT n20 2462MHz Ant1

