ANNEX 1
FCC ID: 2BLM9-AX3000W

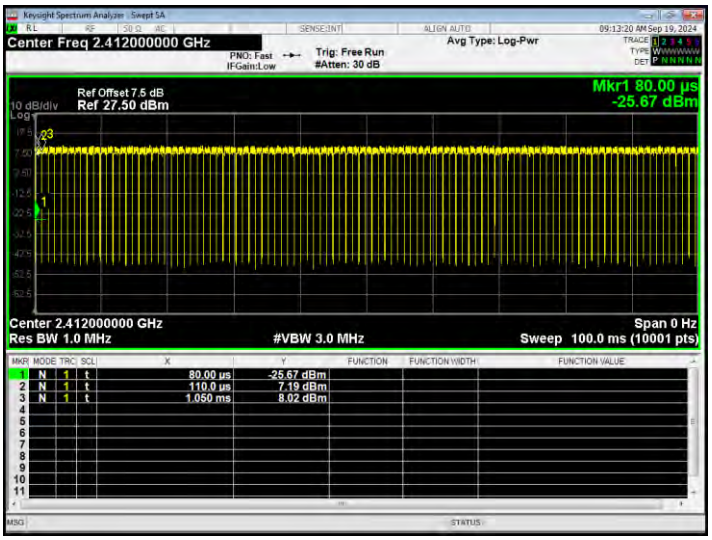
Applicant:	Shenzhen Maiyuan Industry
Address:	Aohua Business Building, Longhua District, Shenzhen City, Guangdong Province, China
Manufacturer:	Shenzhen Maiyuan Industry
Address:	Aohua Business Building, Longhua District, Shenzhen City, Guangdong Province, China
EUT:	Router
Trade Mark:	N/A
Model Number:	MY-AX3000W
Date of Receipt:	Sep. 12, 2024
Test Date:	Sep. 12, 2024 - Sep. 27, 2024
Date of Report:	Sep. 27, 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

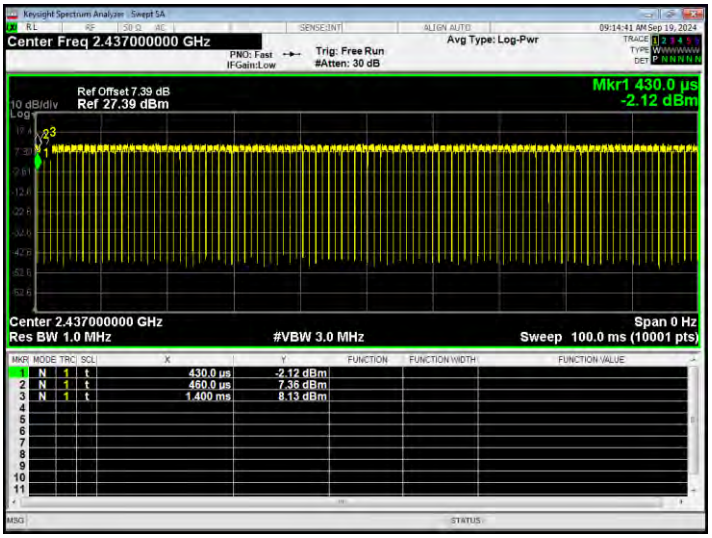
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	96.91	0.14
NVNT	b	2437	Ant1	96.91	0.14
NVNT	b	2462	Ant1	96.91	0.14
NVNT	g	2412	Ant1	81.82	0.87
NVNT	g	2437	Ant1	77.27	1.12
NVNT	g	2462	Ant1	77.27	1.12
NVNT	n20	2412	Ant1	97.01	0.13
NVNT	n20	2437	Ant1	97.01	0.13
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

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant2	96.91	0.14
NVNT	b	2437	Ant2	95.92	0.18
NVNT	b	2462	Ant2	96.91	0.14
NVNT	g	2412	Ant2	81.82	0.87
NVNT	g	2437	Ant2	81.82	0.87
NVNT	g	2462	Ant2	81.82	0.87
NVNT	n20	2412	Ant2	97.01	0.13
NVNT	n20	2437	Ant2	97.04	0.13
NVNT	n20	2462	Ant2	97.01	0.13
NVNT	n40	2422	Ant2	94.2	0.26
NVNT	n40	2437	Ant2	94.2	0.26
NVNT	n40	2452	Ant2	94.2	0.26

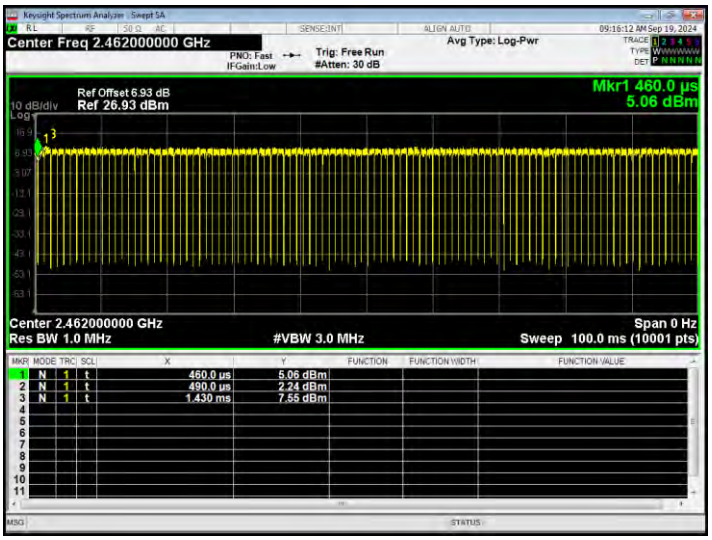
Duty Cycle NVNT b 2412MHz Ant1



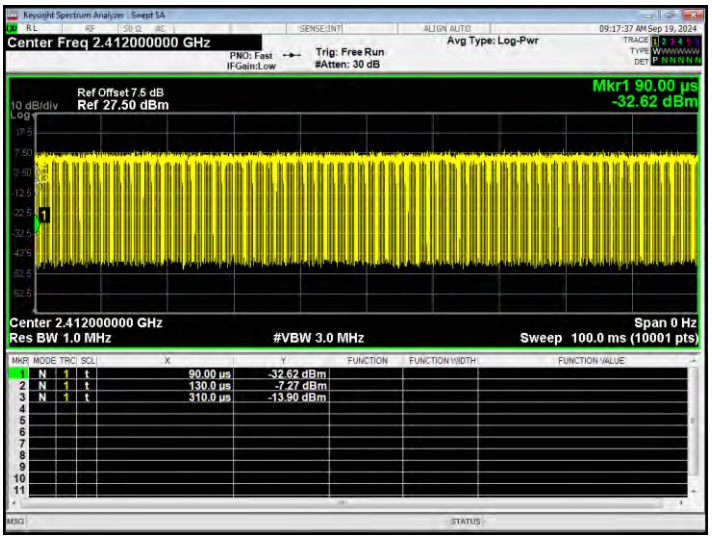
Duty Cycle NVNT b 2437MHz Ant1



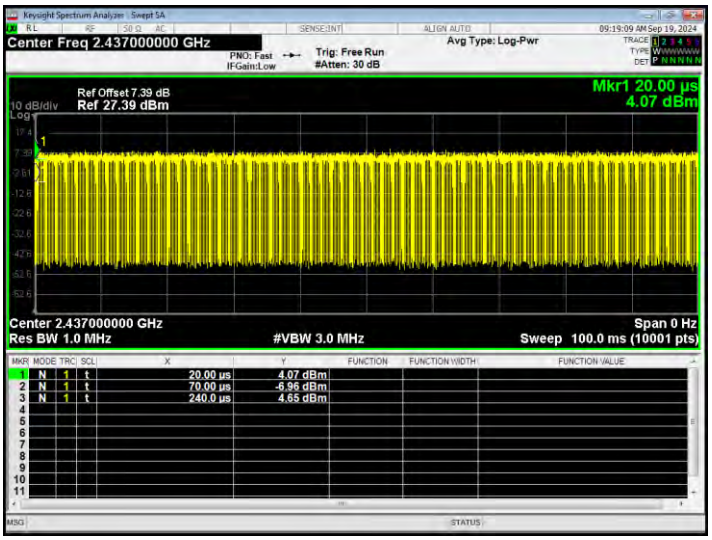
Duty Cycle NVNT b 2462MHz Ant1



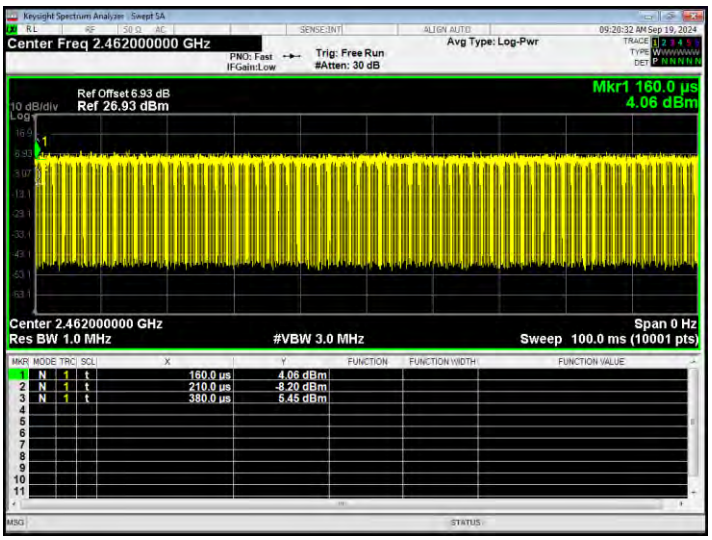
Duty Cycle NVNT g 2412MHz Ant1



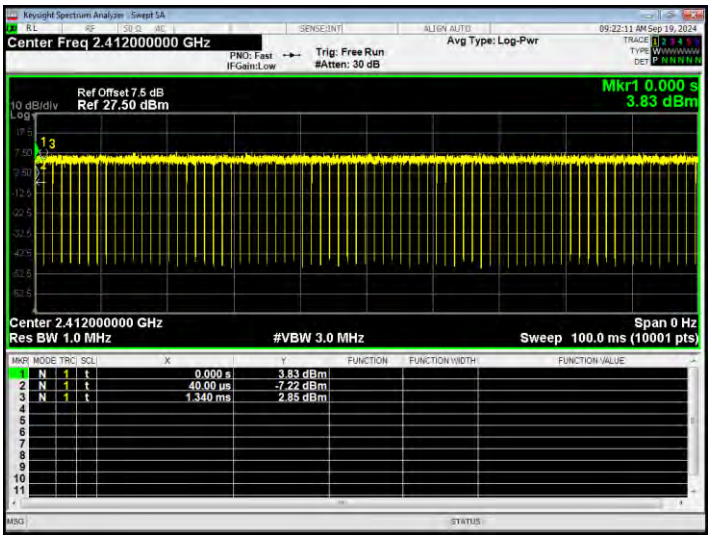
Duty Cycle NVNT g 2437MHz Ant1



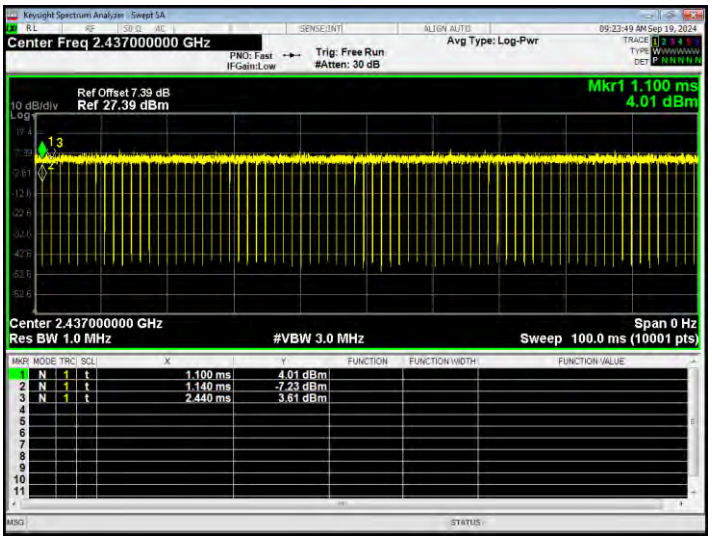
Duty Cycle NVNT g 2462MHz Ant1



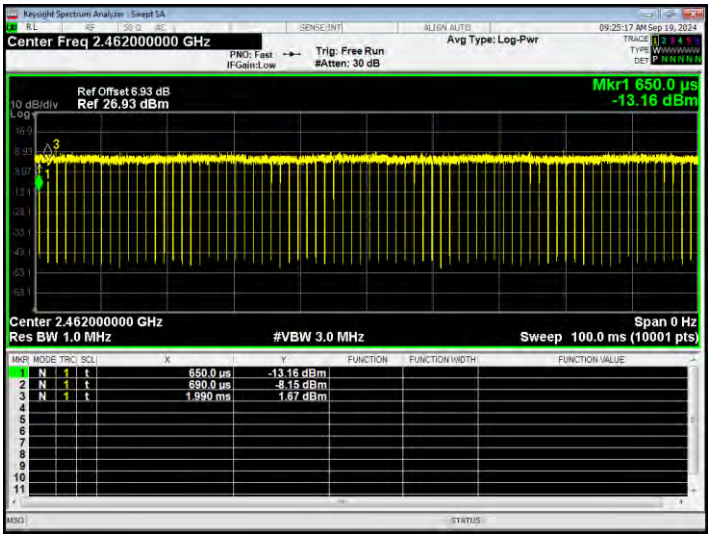
Duty Cycle NVNT n20 2412MHz Ant1



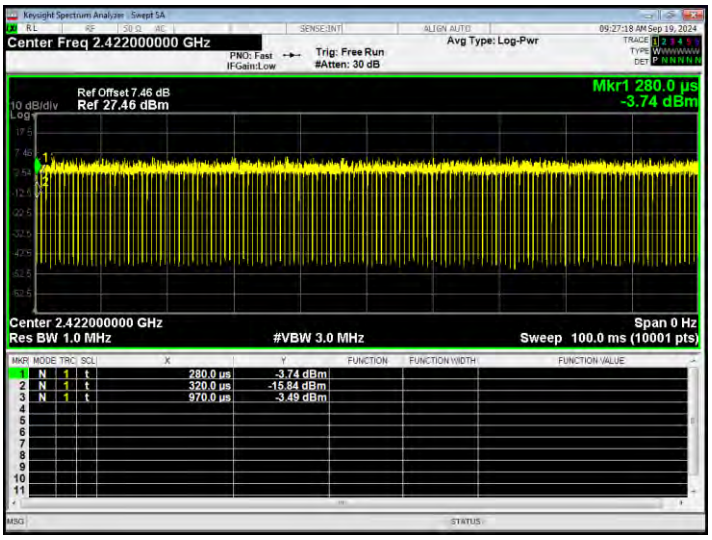
Duty Cycle NVNT n20 2437MHz Ant1



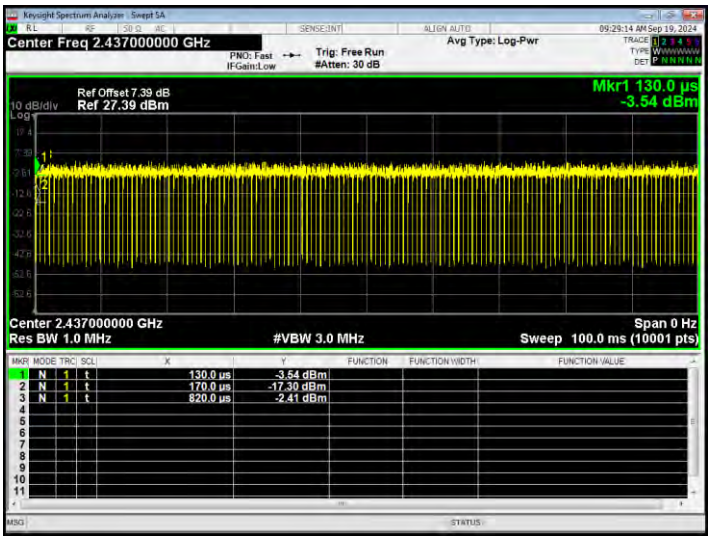
Duty Cycle NVNT n20 2462MHz Ant1



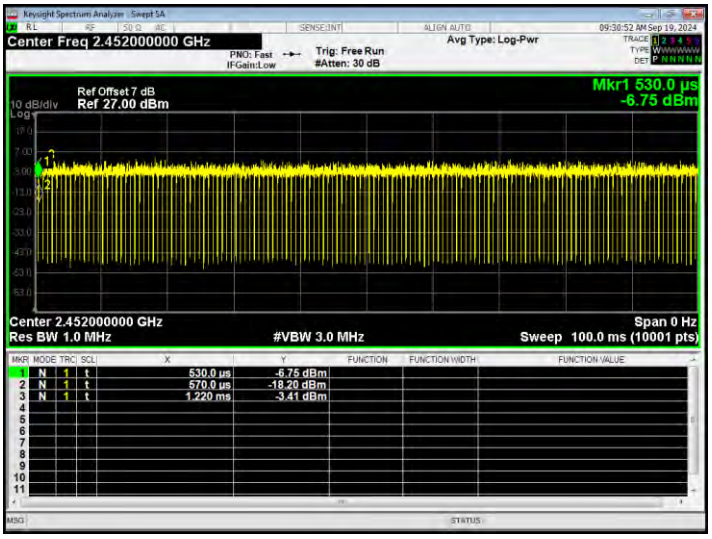
Duty Cycle NVNT n40 2422MHz Ant1



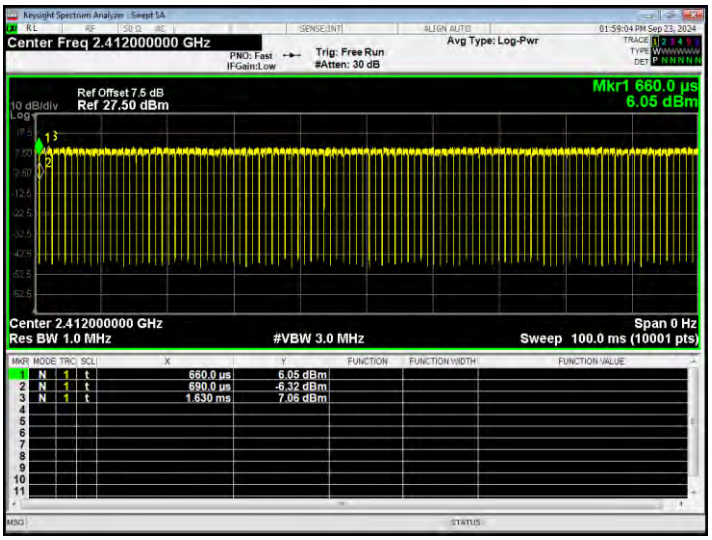
Duty Cycle NVNT n40 2437MHz Ant1



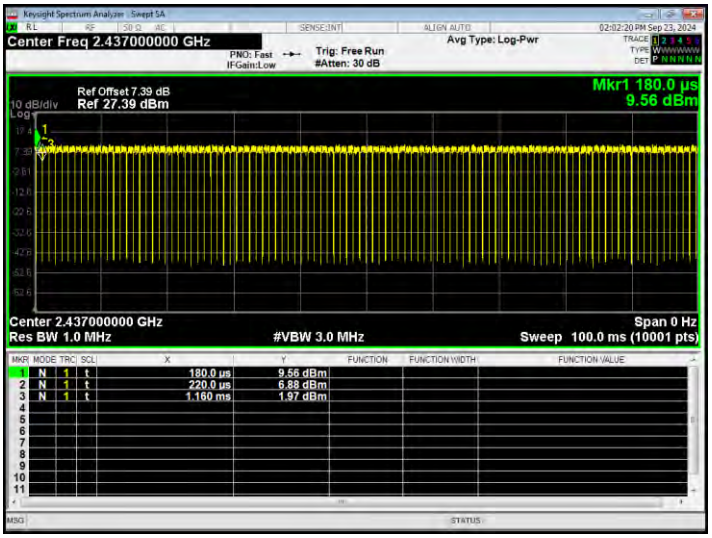
Duty Cycle NVNT n40 2452MHz Ant1



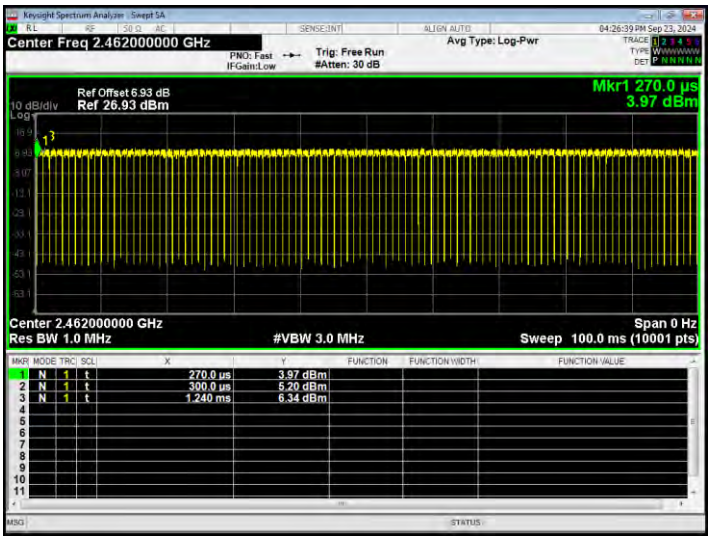
Duty Cycle NVNT b 2412MHz Ant2



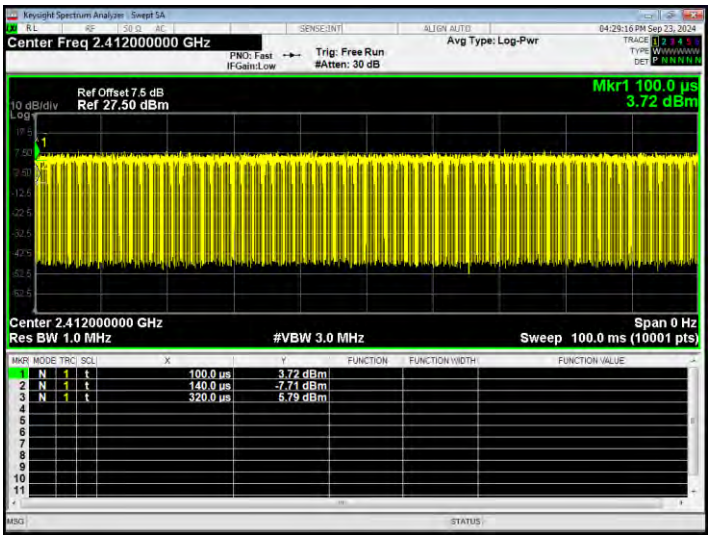
Duty Cycle NVNT b 2437MHz Ant2



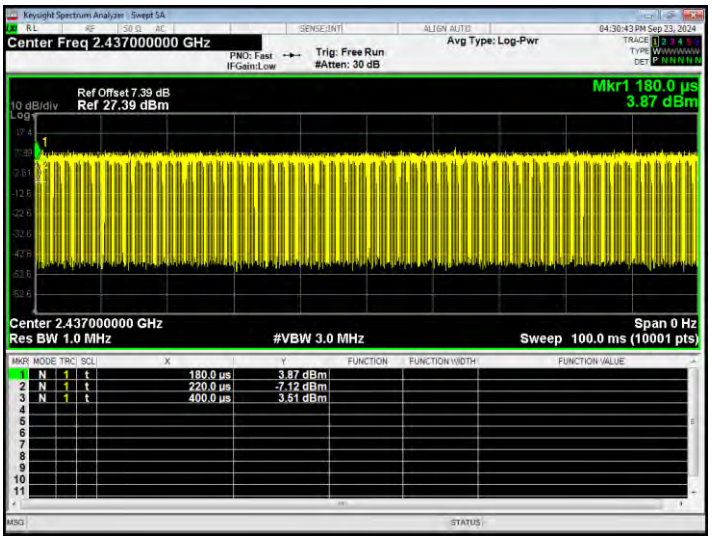
Duty Cycle NVNT b 2462MHz Ant2



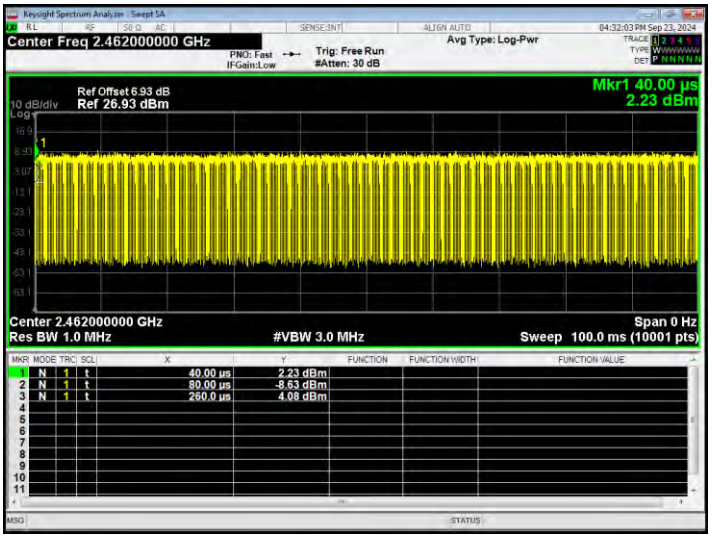
Duty Cycle NVNT g 2412MHz Ant2



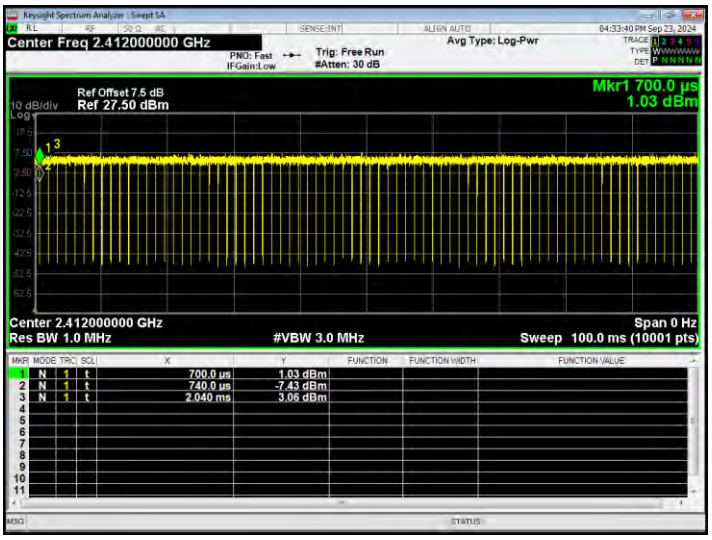
Duty Cycle NVNT g 2437MHz Ant2



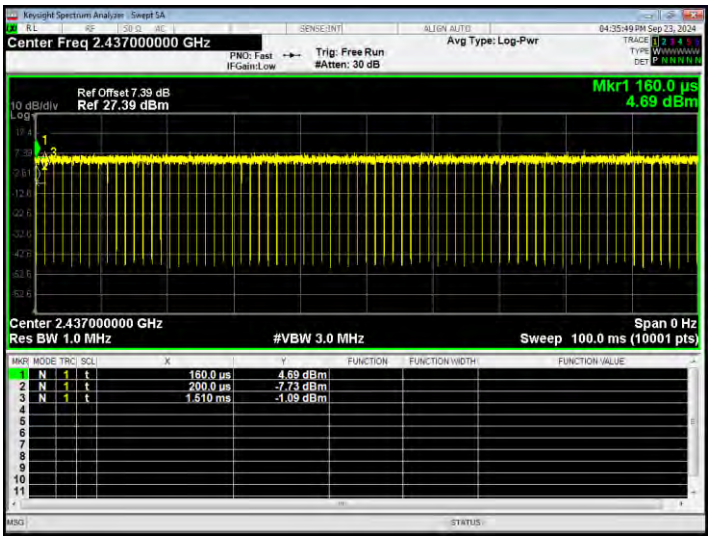
Duty Cycle NVNT g 2462MHz Ant2



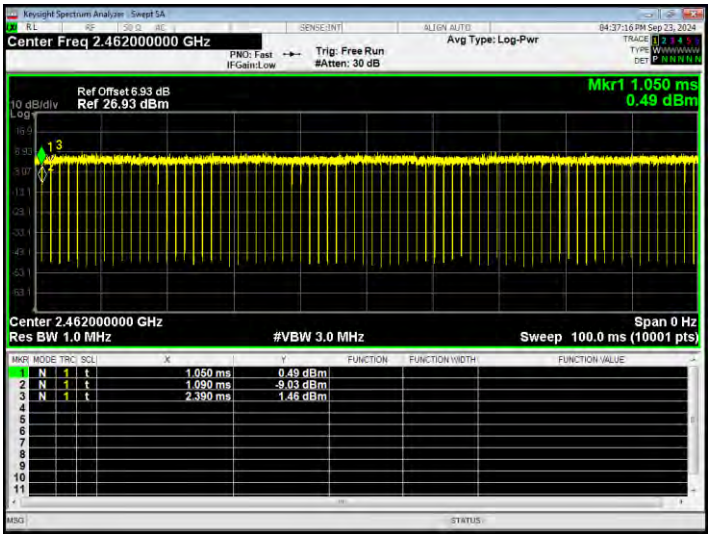
Duty Cycle NVNT n20 2412MHz Ant2



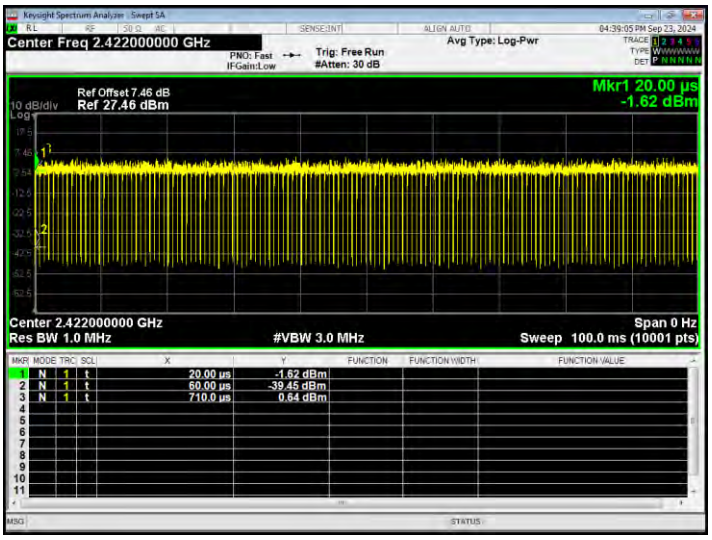
Duty Cycle NVNT n20 2437MHz Ant2



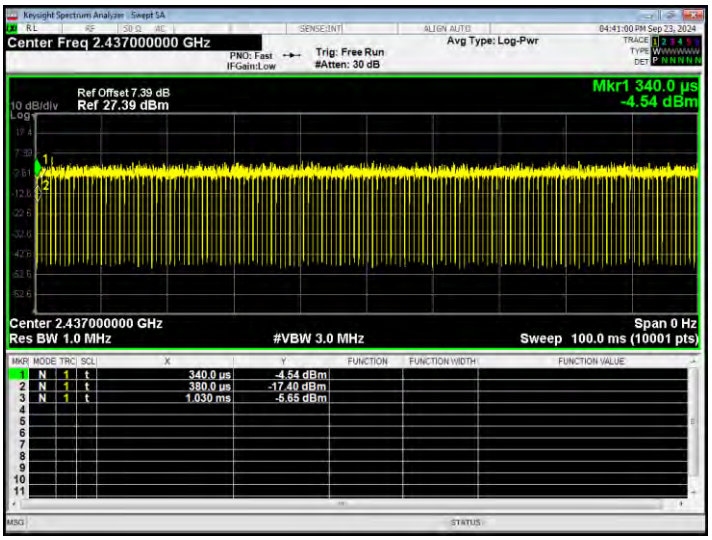
Duty Cycle NVNT n20 2462MHz Ant2



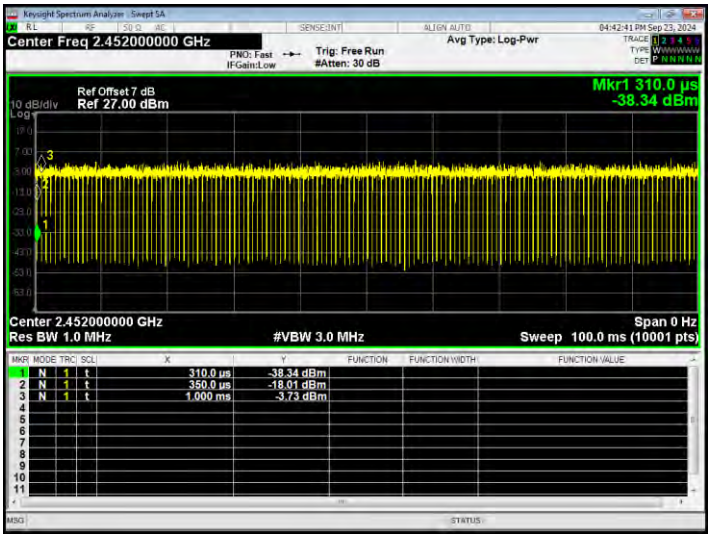
Duty Cycle NVNT n40 2422MHz Ant2



Duty Cycle NVNT n40 2437MHz Ant2



Duty Cycle NVNT n40 2452MHz Ant2



Maximum Conducted Output Power

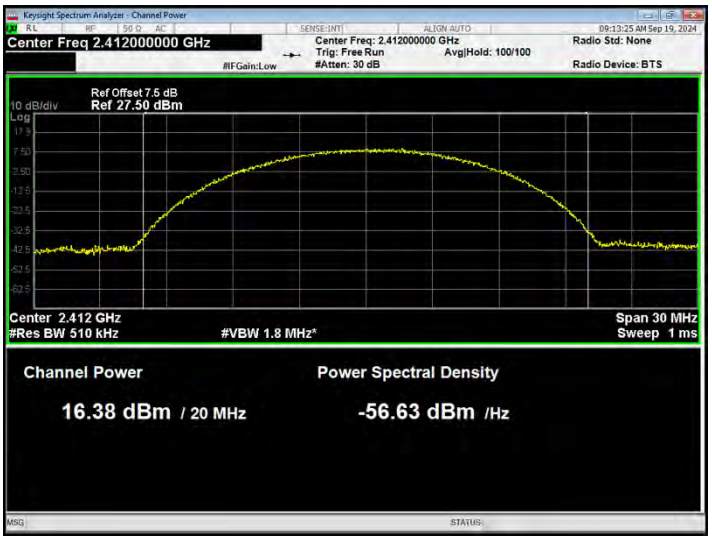
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.379	0.14	16.52	30	Pass
NVNT	b	2437	Ant1	16.46	0.14	16.60	30	Pass
NVNT	b	2462	Ant1	14.779	0.14	14.92	30	Pass
NVNT	g	2412	Ant1	16.32	0.87	17.19	30	Pass
NVNT	g	2437	Ant1	16.403	1.12	17.52	30	Pass
NVNT	g	2462	Ant1	14.74	1.12	15.86	30	Pass
NVNT	n20	2412	Ant1	15.824	0.13	15.95	30	Pass
NVNT	n20	2437	Ant1	15.981	0.13	16.11	30	Pass
NVNT	n20	2462	Ant1	14.072	0.13	14.20	30	Pass
NVNT	n40	2422	Ant1	16.319	0.26	16.58	24	Pass
NVNT	n40	2437	Ant1	16.154	0.26	16.41	30	Pass
NVNT	n40	2452	Ant1	15.197	0.26	15.46	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant2	15.859	0.14	16.00	30	Pass
NVNT	b	2437	Ant2	16.127	0.18	16.31	30	Pass
NVNT	b	2462	Ant2	14.248	0.14	14.39	30	Pass
NVNT	g	2412	Ant2	15.952	0.87	16.82	30	Pass
NVNT	g	2437	Ant2	16.238	0.87	17.11	30	Pass
NVNT	g	2462	Ant2	14.181	0.87	15.05	30	Pass
NVNT	n20	2412	Ant2	15.43	0.13	15.56	30	Pass
NVNT	n20	2437	Ant2	15.645	0.13	15.78	30	Pass
NVNT	n20	2462	Ant2	13.482	0.13	13.61	30	Pass
NVNT	n40	2422	Ant2	15.893	0.26	16.15	24	Pass
NVNT	n40	2437	Ant2	15.787	0.26	16.05	30	Pass
NVNT	n40	2452	Ant2	14.596	0.26	14.86	30	Pass

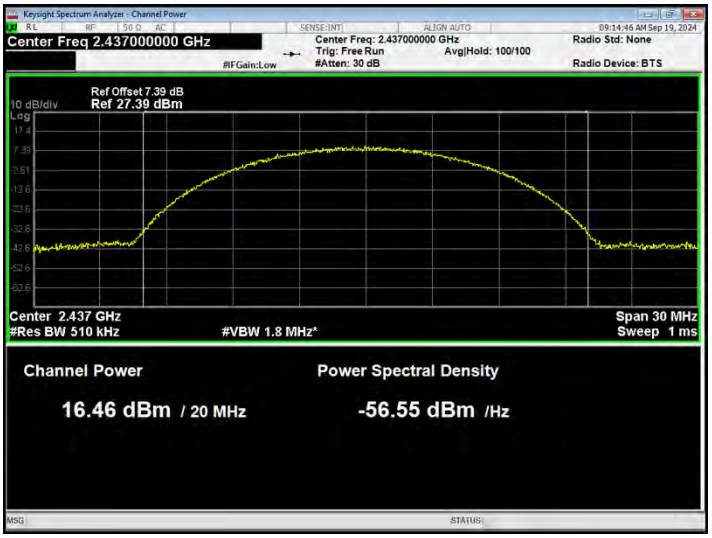
MIMO

Mode	Frequency (MHz)	Antenna	Total Power (dBm)	Limit (dBm)	Verdict
n20	2412	Ant1+2	18.77	30	Pass
n20	2437	Ant1+2	18.96	30	Pass
n20	2462	Ant1+2	16.93	30	Pass
n40	2422	Ant1+2	19.38	30	Pass
n40	2437	Ant1+2	19.24	30	Pass
n40	2452	Ant1+2	18.18	30	Pass

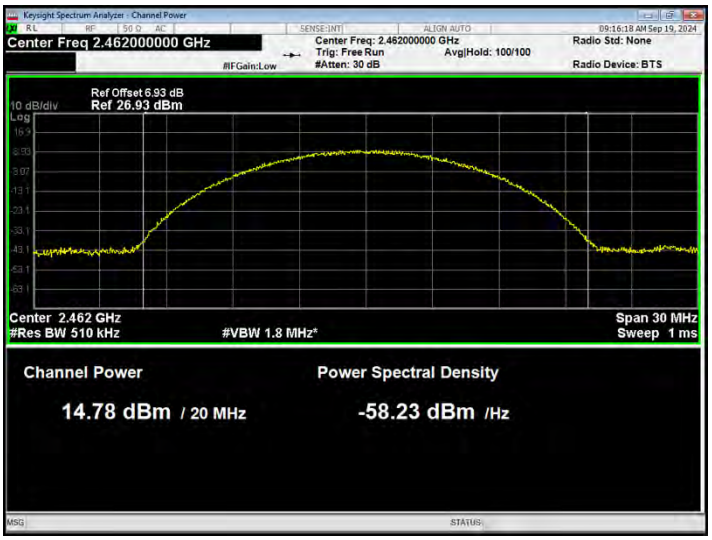
Power NVNT b 2412MHz Ant1



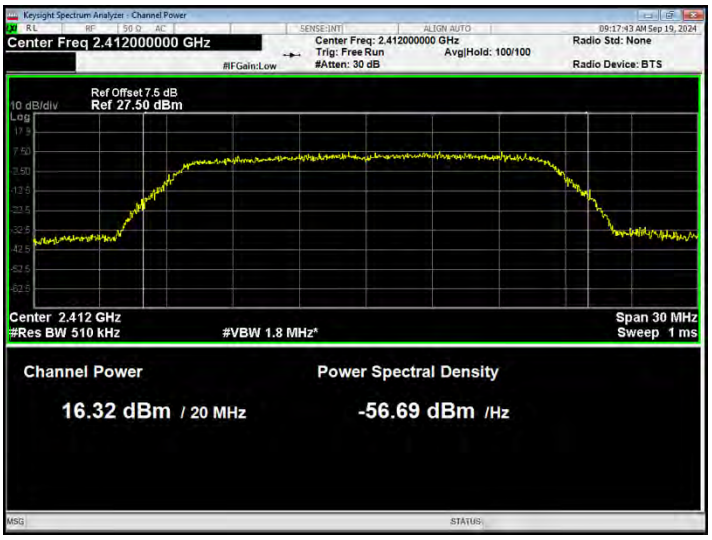
Power NVNT b 2437MHz Ant1



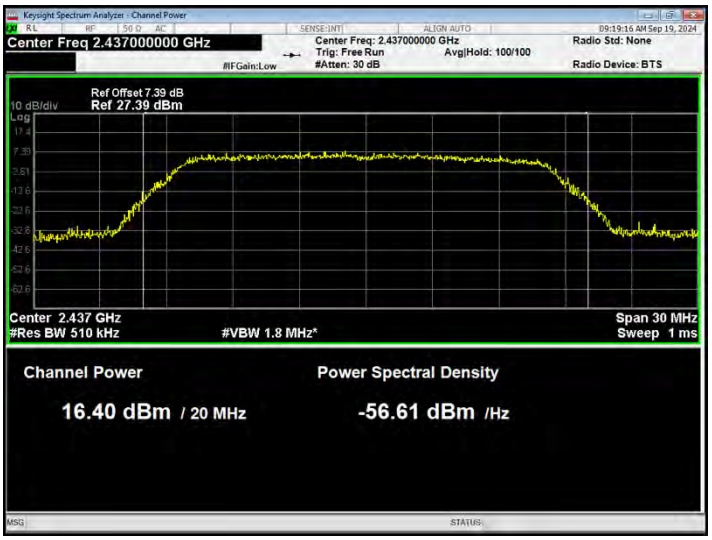
Power NVNT b 2462MHz Ant1



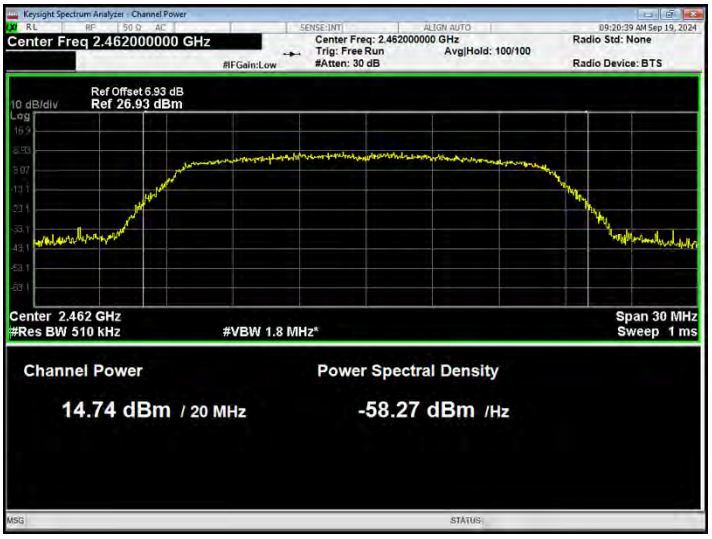
Power NVNT g 2412MHz Ant1



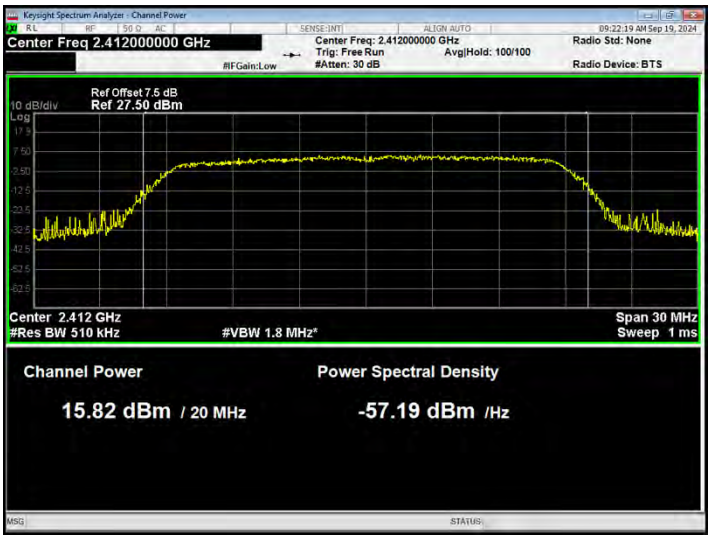
Power NVNT g 2437MHz Ant1



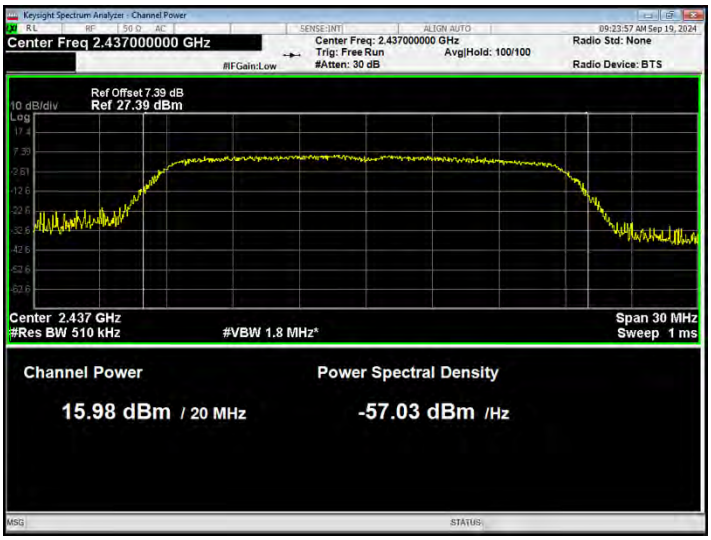
Power NVNT g 2462MHz Ant1



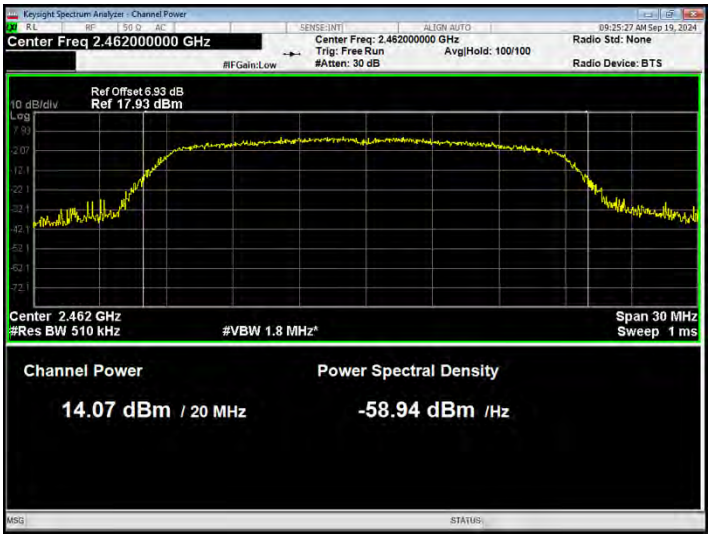
Power NVNT n20 2412MHz Ant1



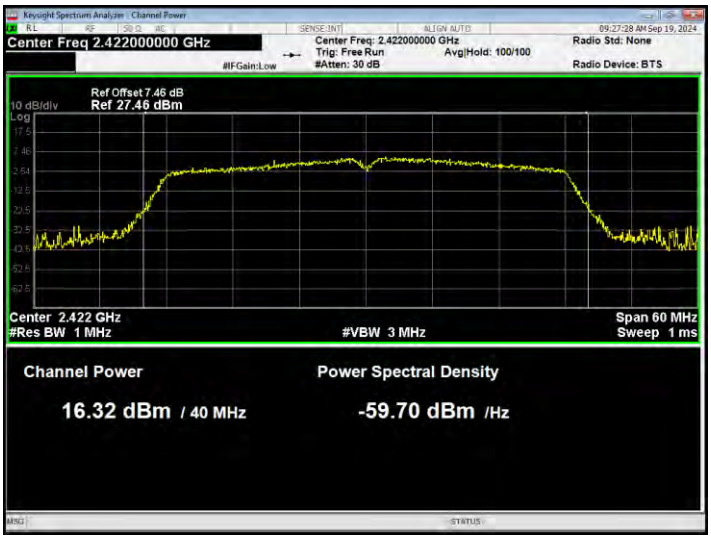
Power NVNT n20 2437MHz Ant1



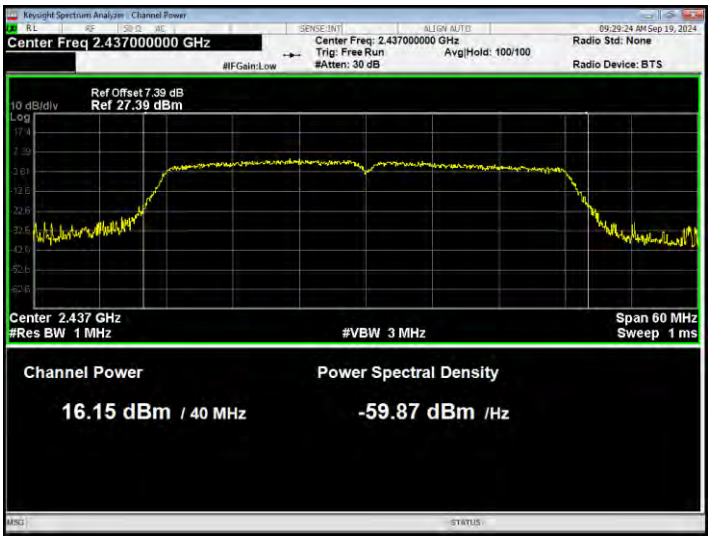
Power NVNT n20 2462MHz Ant1



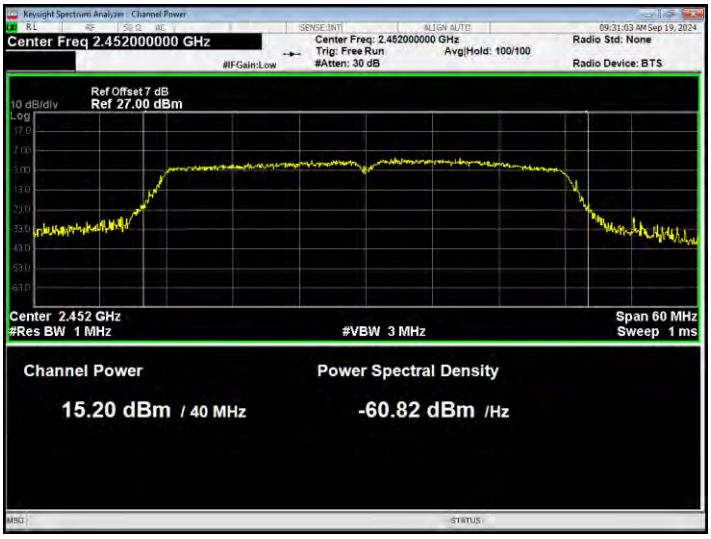
Power NVNT n40 2422MHz Ant1



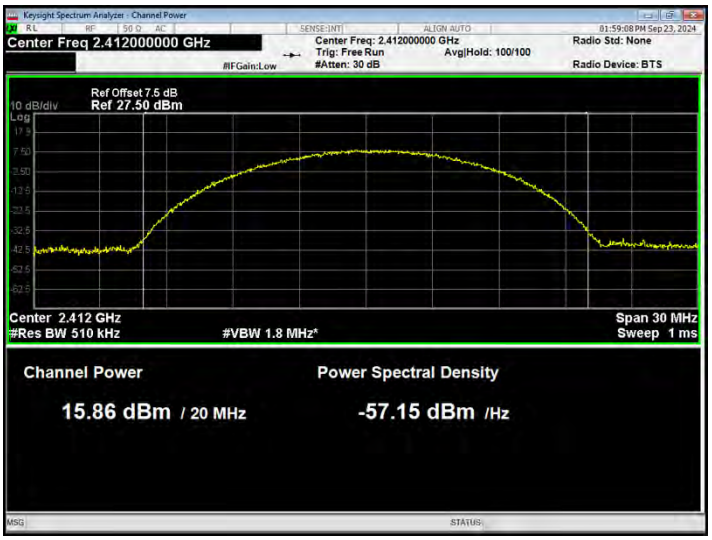
Power NVNT n40 2437MHz Ant1



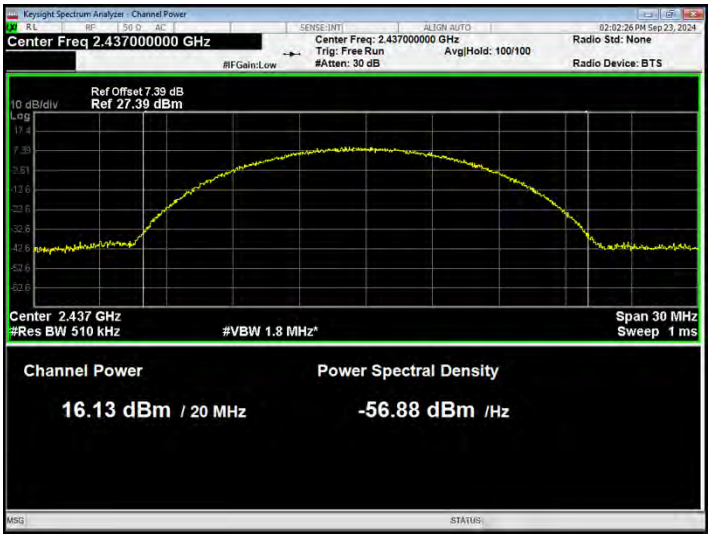
Power NVNT n40 2452MHz Ant1



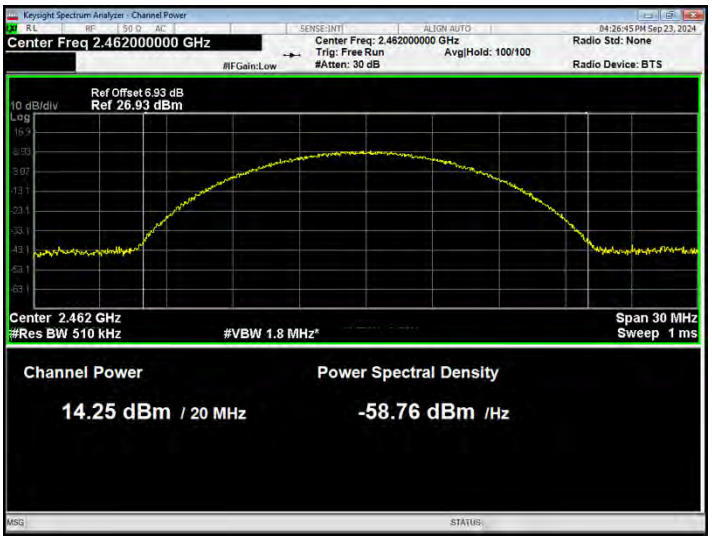
Power NVNT b 2412MHz Ant2



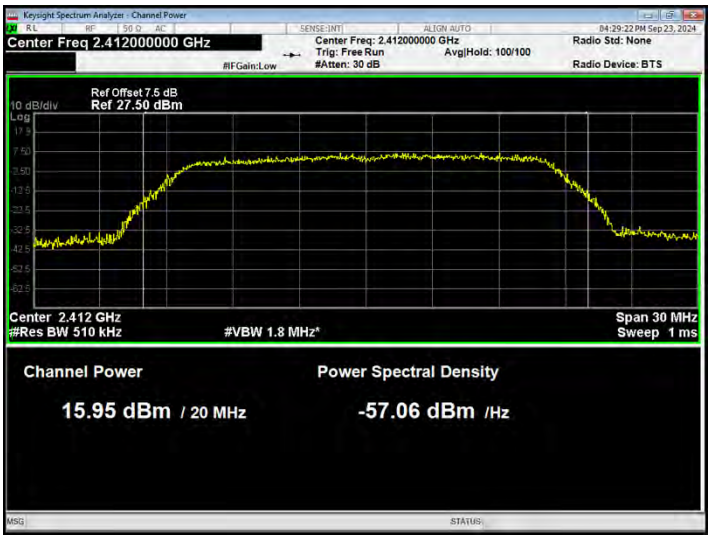
Power NVNT b 2437MHz Ant2



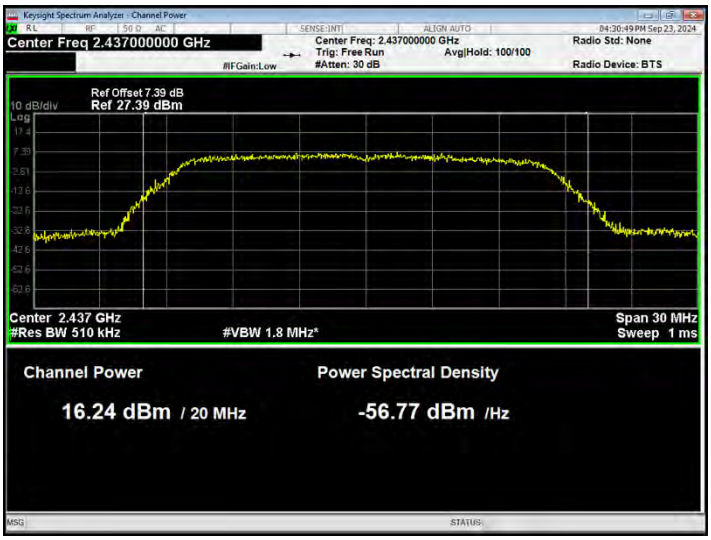
Power NVNT b 2462MHz Ant2



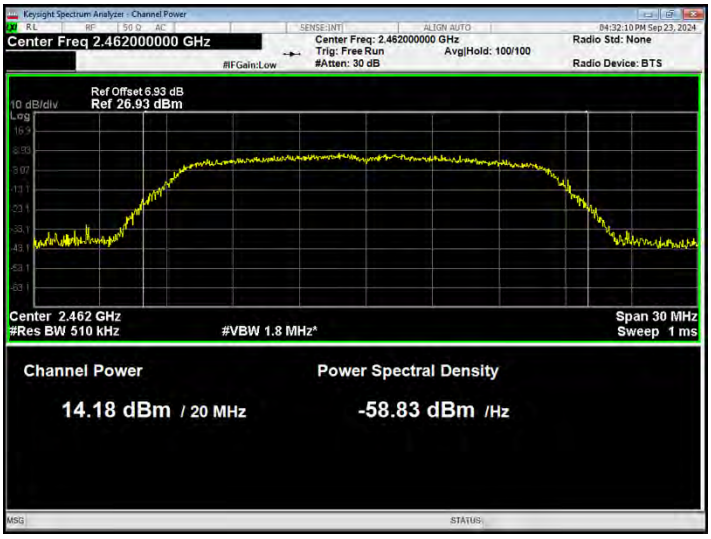
Power NVNT g 2412MHz Ant2



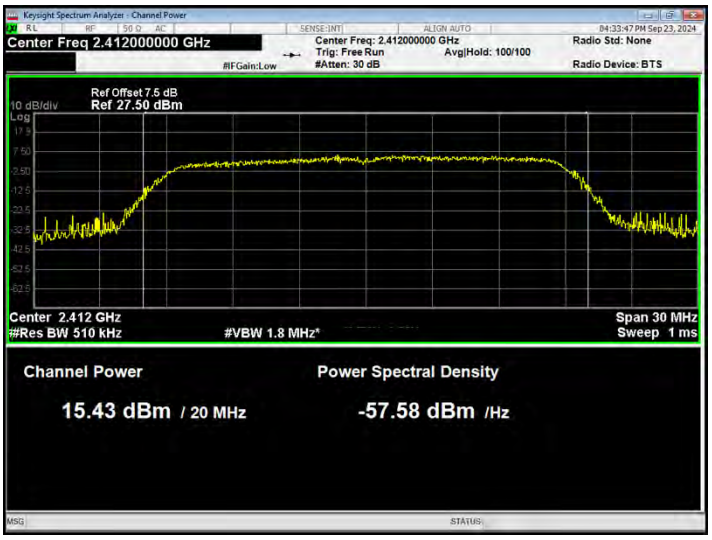
Power NVNT g 2437MHz Ant2



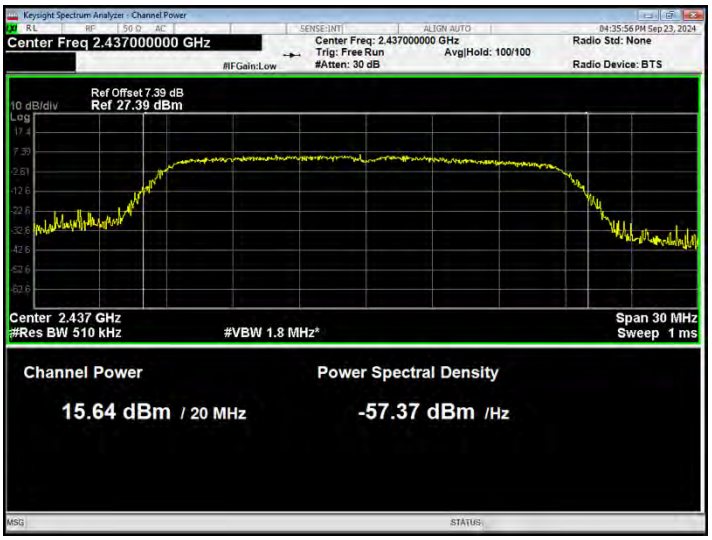
Power NVNT g 2462MHz Ant2



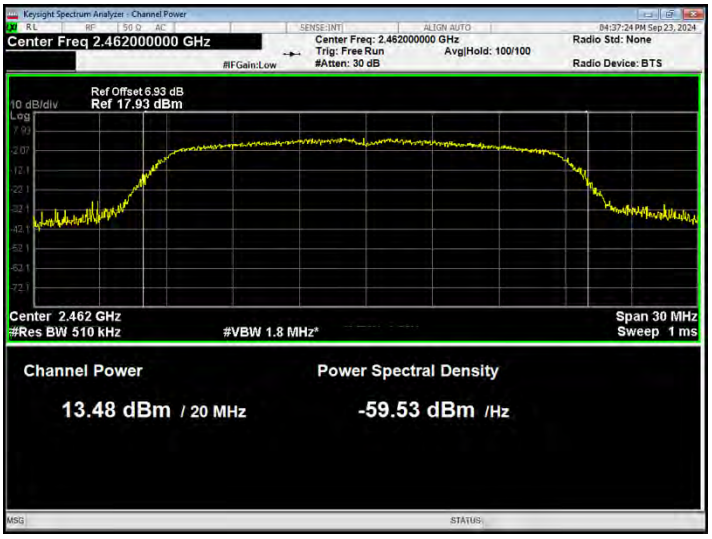
Power NVNT n20 2412MHz Ant2



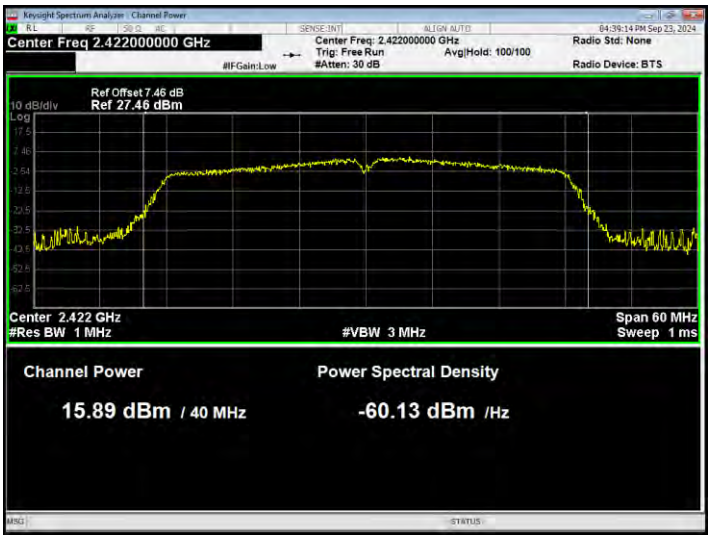
Power NVNT n20 2437MHz Ant2



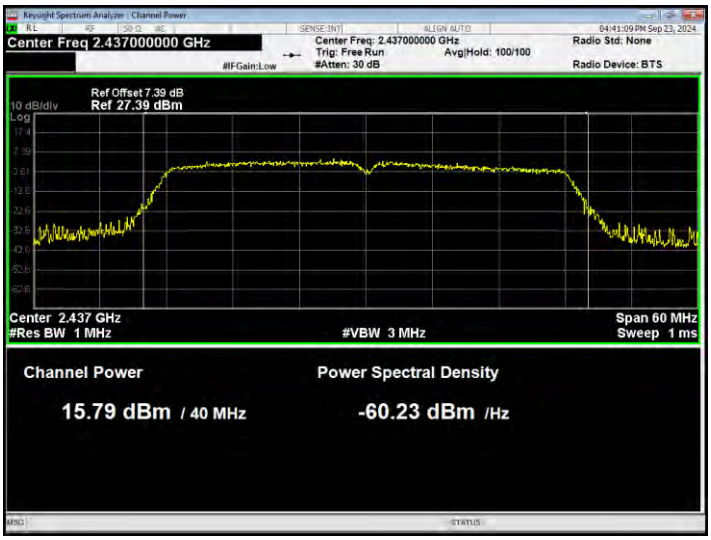
Power NVNT n20 2462MHz Ant2



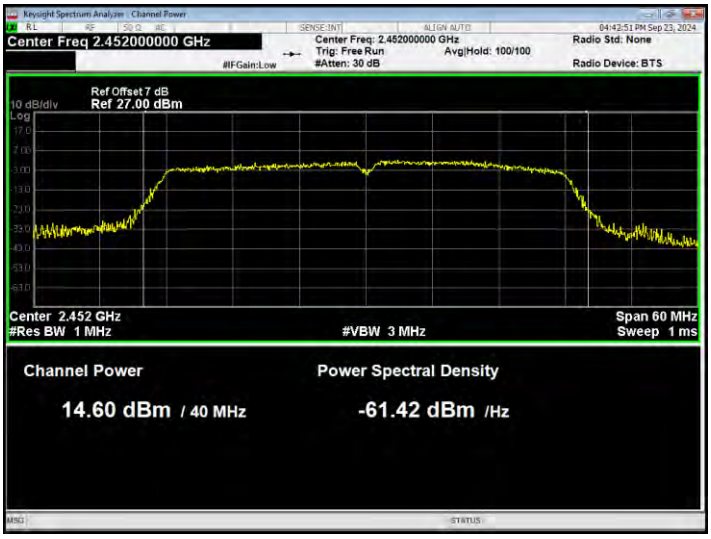
Power NVNT n40 2422MHz Ant2



Power NVNT n40 2437MHz Ant2



Power NVNT n40 2452MHz Ant2



-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.205	0.5	Pass
NVNT	b	2437	Ant1	7.772	0.5	Pass
NVNT	b	2462	Ant1	7.455	0.5	Pass
NVNT	g	2412	Ant1	16.038	0.5	Pass
NVNT	g	2437	Ant1	16.344	0.5	Pass
NVNT	g	2462	Ant1	15.082	0.5	Pass
NVNT	n20	2412	Ant1	16.312	0.5	Pass
NVNT	n20	2437	Ant1	16.267	0.5	Pass
NVNT	n20	2462	Ant1	15.105	0.5	Pass
NVNT	n40	2422	Ant1	31.3	0.5	Pass
NVNT	n40	2437	Ant1	35.054	0.5	Pass
NVNT	n40	2452	Ant1	35.085	0.5	Pass

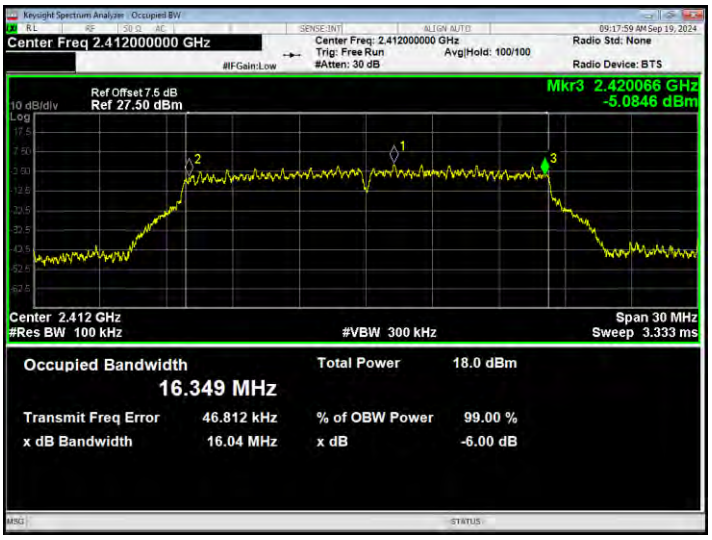
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant2	7.909	0.5	Pass
NVNT	b	2437	Ant2	8.485	0.5	Pass
NVNT	b	2462	Ant2	7.415	0.5	Pass
NVNT	g	2412	Ant2	15.739	0.5	Pass
NVNT	g	2437	Ant2	15.758	0.5	Pass
NVNT	g	2462	Ant2	15.385	0.5	Pass
NVNT	n20	2412	Ant2	16.261	0.5	Pass
NVNT	n20	2437	Ant2	15.924	0.5	Pass
NVNT	n20	2462	Ant2	15.001	0.5	Pass
NVNT	n40	2422	Ant2	32.521	0.5	Pass
NVNT	n40	2437	Ant2	35.054	0.5	Pass
NVNT	n40	2452	Ant2	33.821	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant1

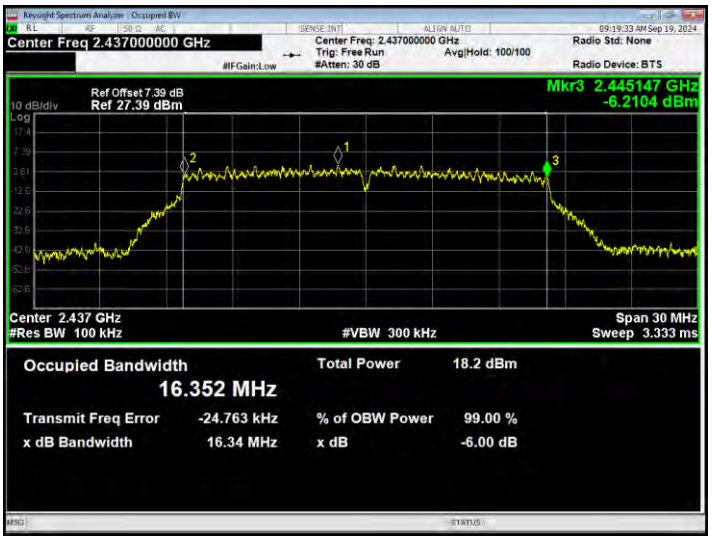
-6dB Bandwidth NVNT b 2437MHz Ant1

-6dB Bandwidth NVNT b 2462MHz Ant1

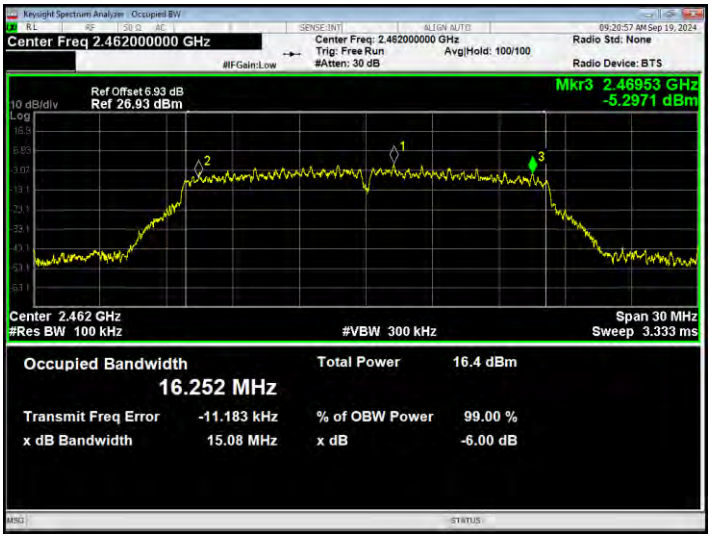
-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



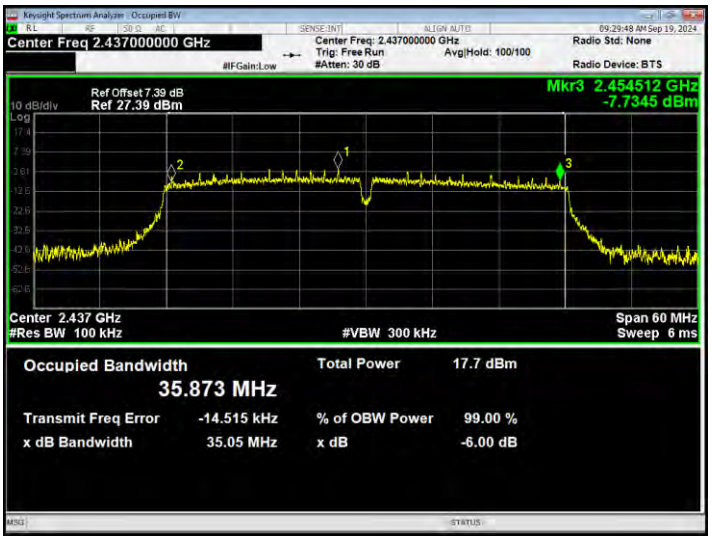
-6dB Bandwidth NVNT n20 2412MHz Ant1

-6dB Bandwidth NVNT n20 2437MHz Ant1

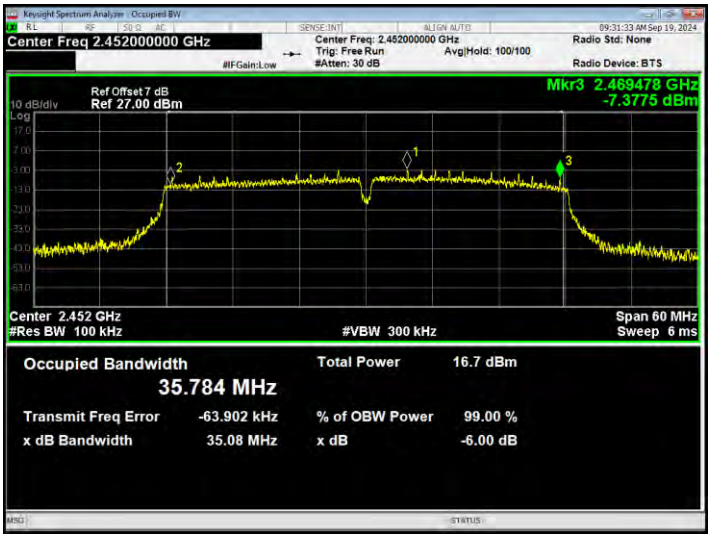
-6dB Bandwidth NVNT n20 2462MHz Ant1

-6dB Bandwidth NVNT n40 2422MHz Ant1

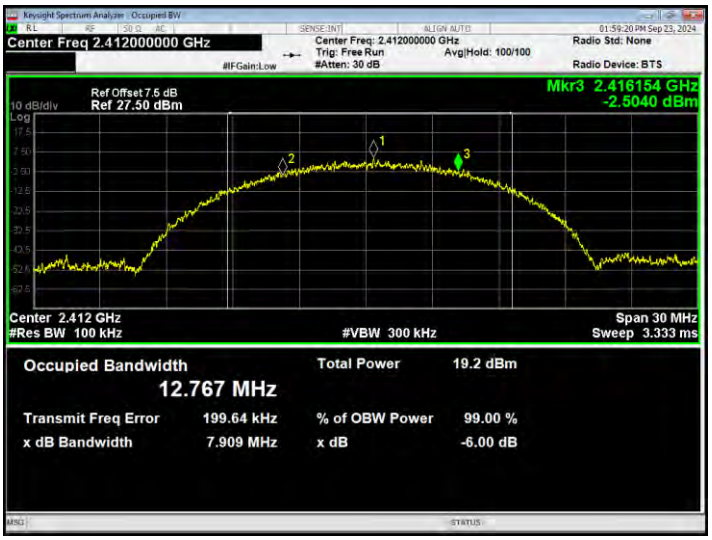
-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1

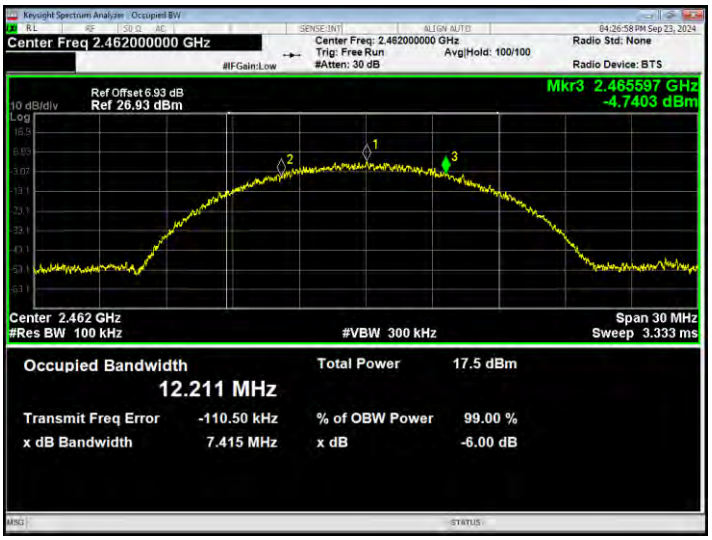


-6dB Bandwidth NVNT b 2412MHz Ant2

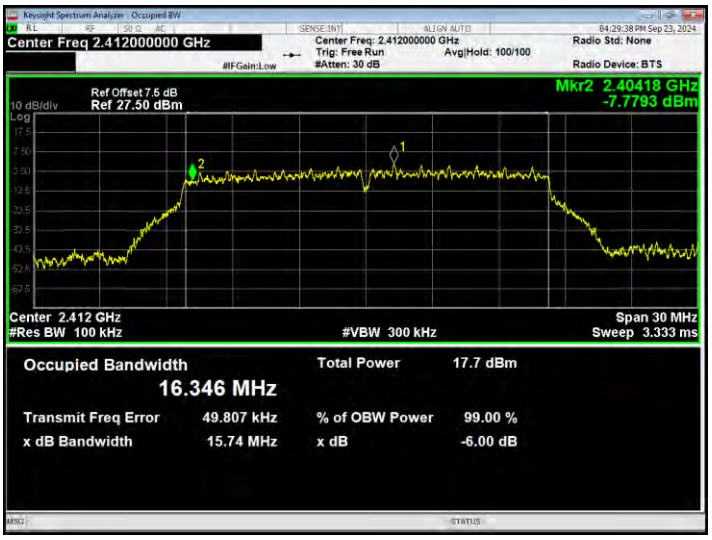


-6dB Bandwidth NVNT b 2437MHz Ant2

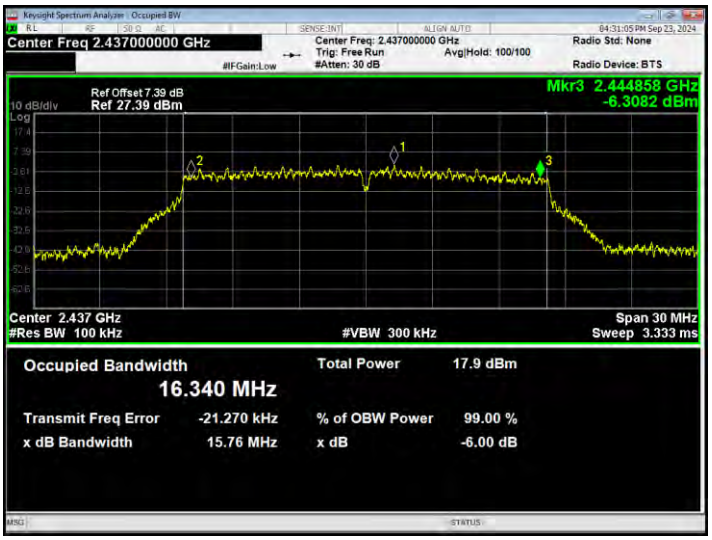
-6dB Bandwidth NVNT b 2462MHz Ant2



-6dB Bandwidth NVNT g 2412MHz Ant2

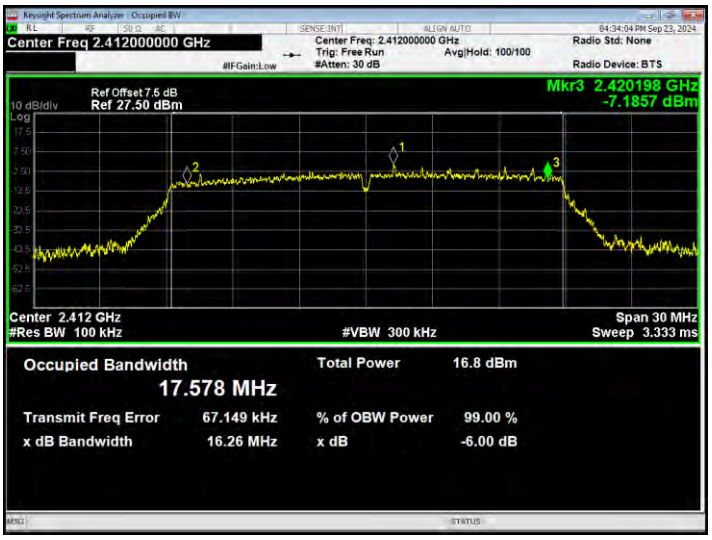


-6dB Bandwidth NVNT g 2437MHz Ant2



-6dB Bandwidth NVNT g 2462MHz Ant2

-6dB Bandwidth NVNT n20 2412MHz Ant2



-6dB Bandwidth NVNT n20 2437MHz Ant2

-6dB Bandwidth NVNT n20 2462MHz Ant2

-6dB Bandwidth NVNT n40 2422MHz Ant2

-6dB Bandwidth NVNT n40 2437MHz Ant2

-6dB Bandwidth NVNT n40 2452MHz Ant2