

ANNEX WIFI TEST DATA

FCC ID: 2BNIO-F4

Applicant: Shenzhen car Dong car electronics Co., LTD

Address: Building4,Nanchang Huafeng industrial Park, Nanchang Community, Xixiang Street, Baoan District, Shenzhen, Guangdong,CN(China)

Manufacturer: Shenzhen car Dong car electronics Co., LTD

Address: Building4,Nanchang Huafeng industrial Park, Nanchang Community, Xixiang Street, Baoan District, Shenzhen, Guangdong,CN(China)

EUT: Dash camera,Car Dvr

Trade Mark: N/A

Model Number: F4,F1,F2,F3,F5,F6,F7,F8

Date of Receipt: Jan. 06, 2025

Test Date: Jan. 06, 2025 - Jan. 15, 2025

Date of Report: Jan. 15, 2025

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-250107056ER

Catalogue

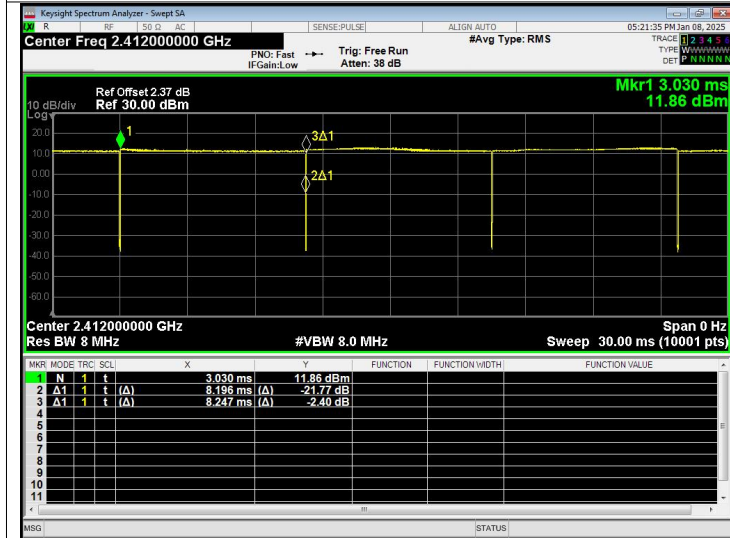
Duty Cycle	3
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Duty Cycle

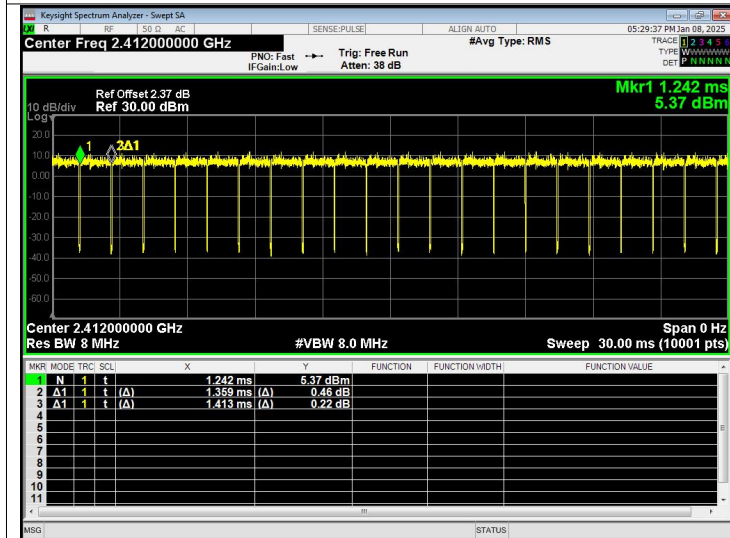
Mode	Frequency (MHz)	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)	Final settingFor VBW (kHz)
b	2412	8.2	8.25	99.39	0	0.12	1
g	2412	1.36	1.41	96.45	0.16	0.74	1
n20	2412	1.27	1.32	96.21	0.17	0.79	1
n40	2422	0.63	0.68	92.65	0.33	1.58	1

Test Graphs

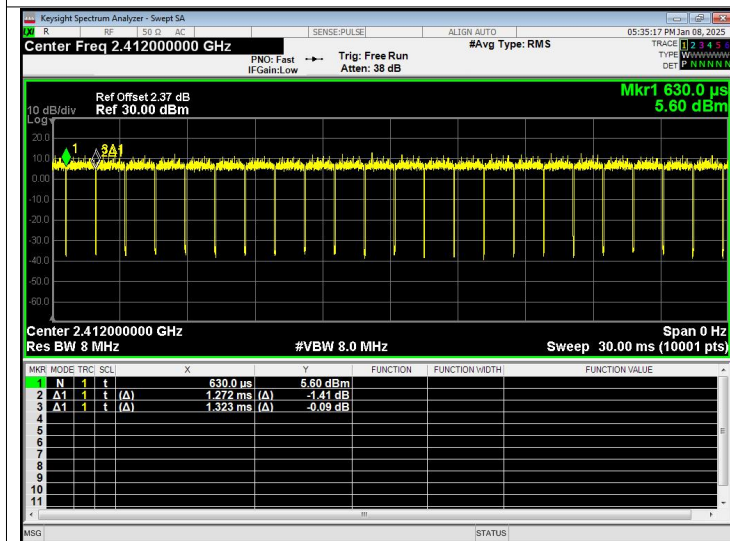
Duty Cycle NVNT b 2412MHz



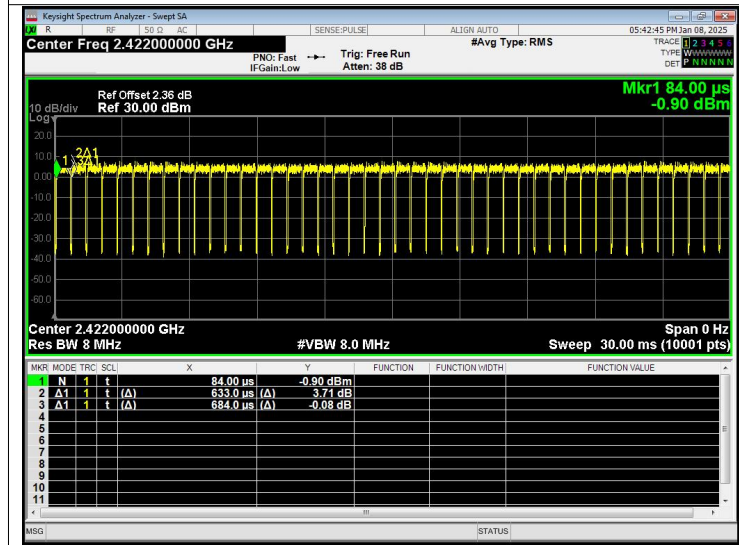
Duty Cycle NVNT g 2412MHz



Duty Cycle NVNT n20 2412MHz



Duty Cycle NVNT n40 2422MHz



Maximum Conducted Output Power

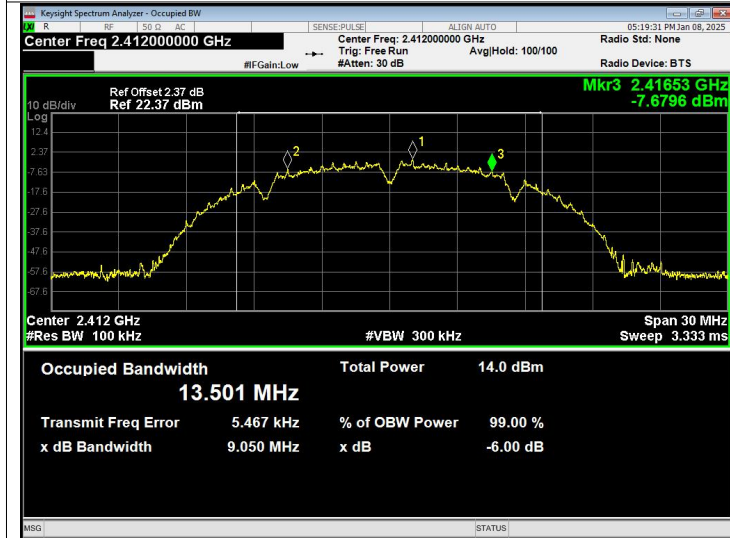
Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
b	2412	9.072	30	Pass
b	2437	8.606	30	Pass
b	2462	8.421	30	Pass
g	2412	8.893	30	Pass
g	2437	8.522	30	Pass
g	2462	8.308	30	Pass
n20	2412	8.797	30	Pass
n20	2437	8.342	30	Pass
n20	2462	7.971	30	Pass
n40	2422	9.213	30	Pass
n40	2437	8.806	30	Pass
n40	2452	8.692	30	Pass

-6dB Bandwidth

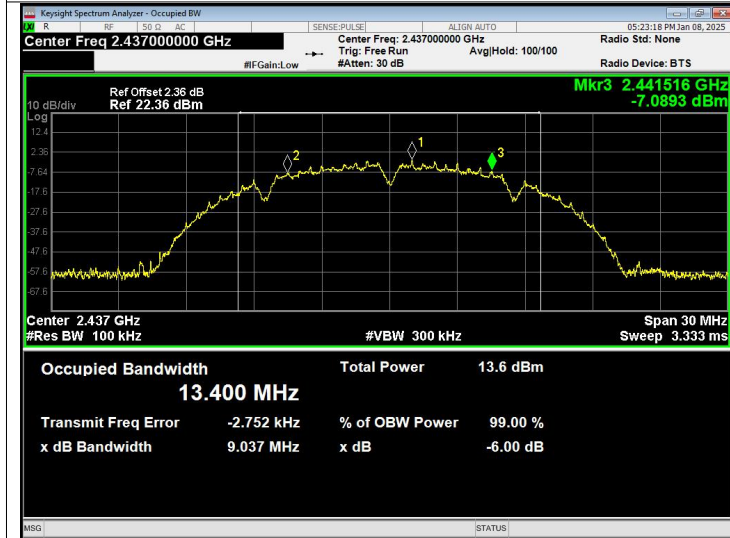
Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	9.05	0.5	Pass
b	2437	9.037	0.5	Pass
b	2462	10.053	0.5	Pass
g	2412	16.318	0.5	Pass
g	2437	16.282	0.5	Pass
g	2462	16.317	0.5	Pass
n20	2412	16.733	0.5	Pass
n20	2437	16.844	0.5	Pass
n20	2462	16.605	0.5	Pass
n40	2422	36.04	0.5	Pass
n40	2437	35.687	0.5	Pass
n40	2452	35.814	0.5	Pass

Test Graphs

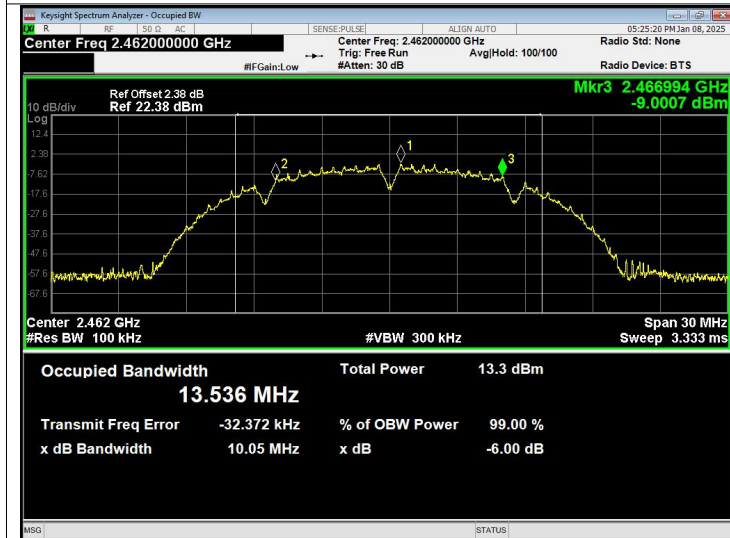
-6dB Bandwidth NVNT b 2412MHz



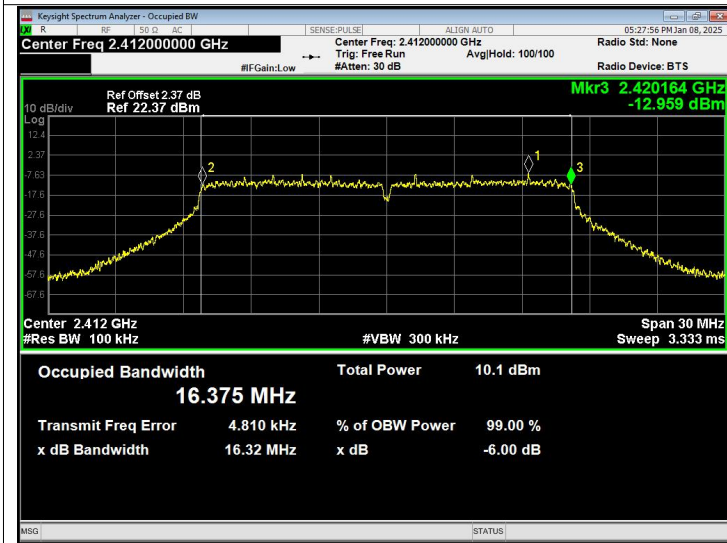
-6dB Bandwidth NVNT b 2437MHz



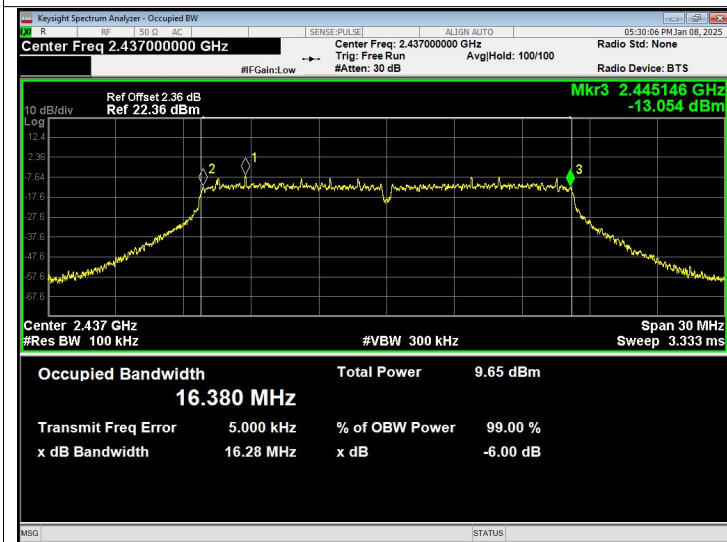
-6dB Bandwidth NVNT b 2462MHz



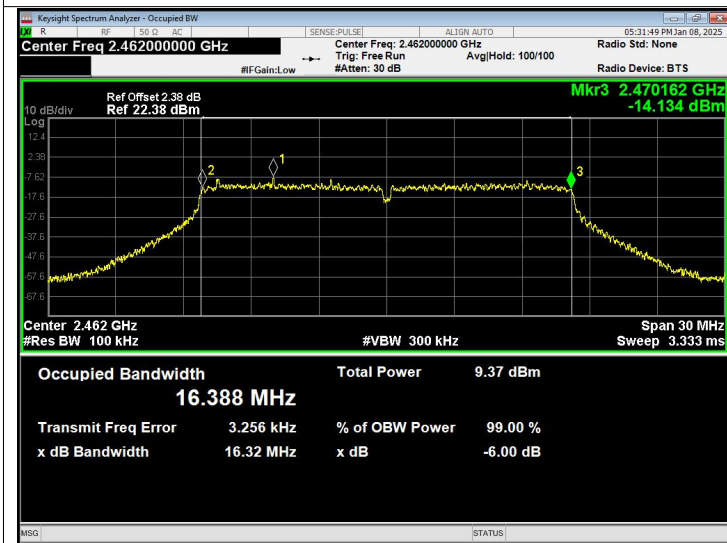
-6dB Bandwidth NVNT g 2412MHz



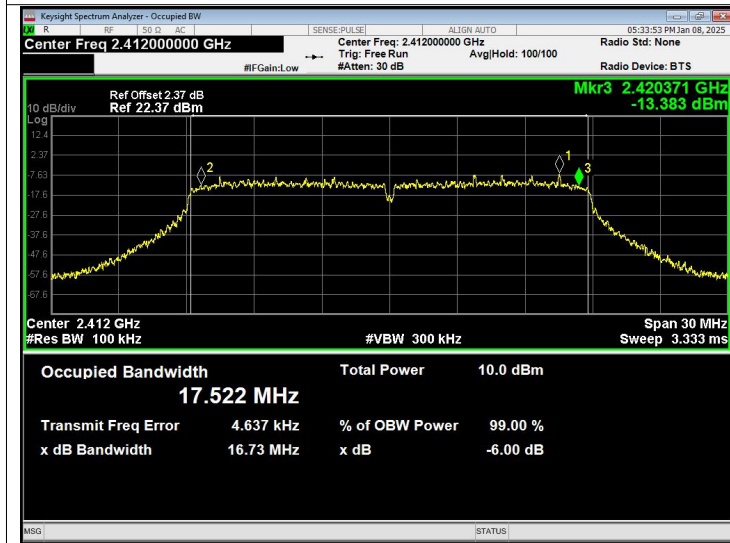
-6dB Bandwidth NVNT g 2437MHz



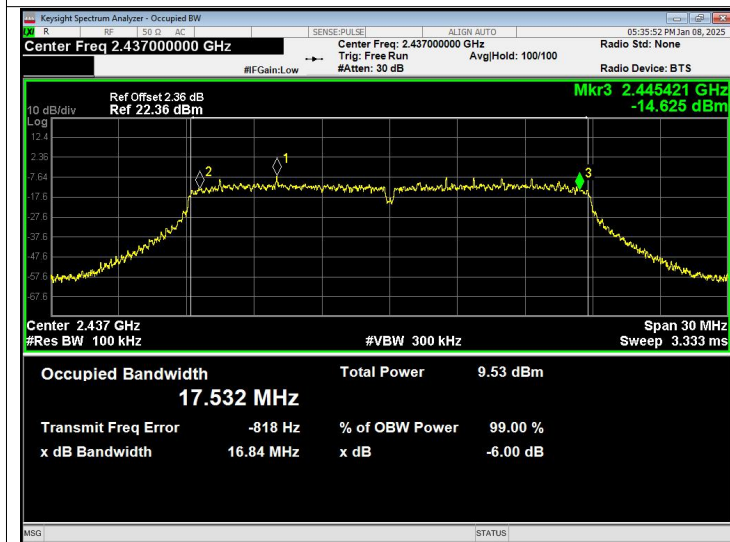
-6dB Bandwidth NVNT g 2462MHz



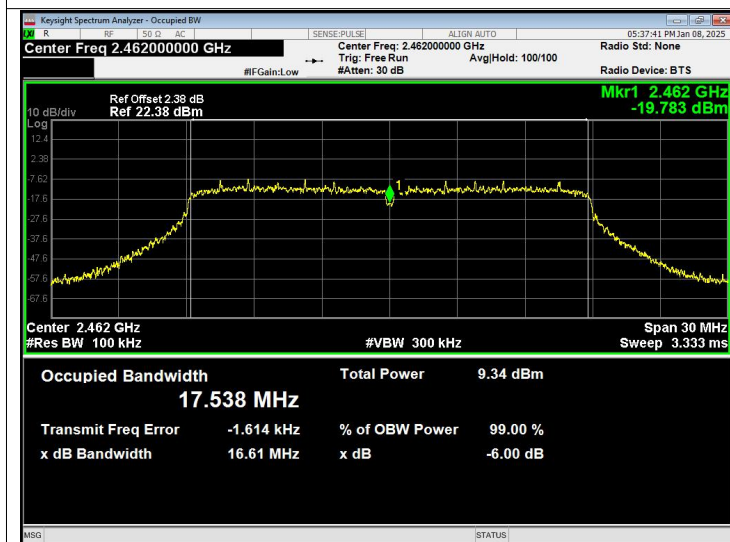
-6dB Bandwidth NVNT n20 2412MHz



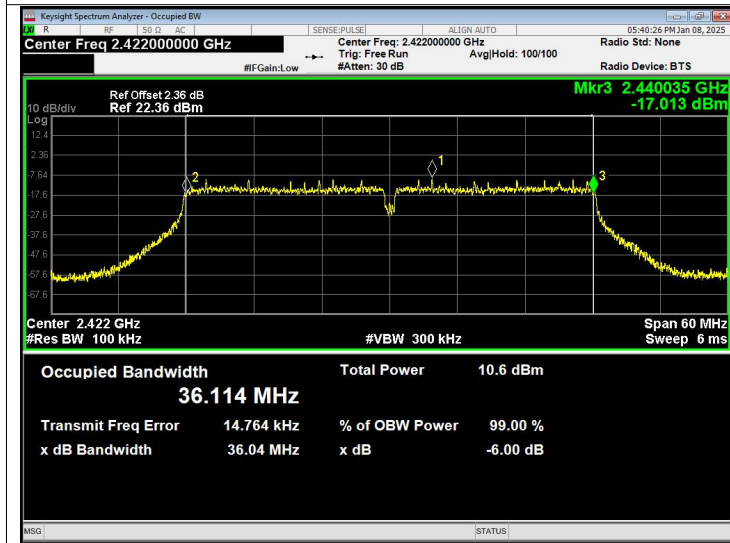
-6dB Bandwidth NVNT n20 2437MHz



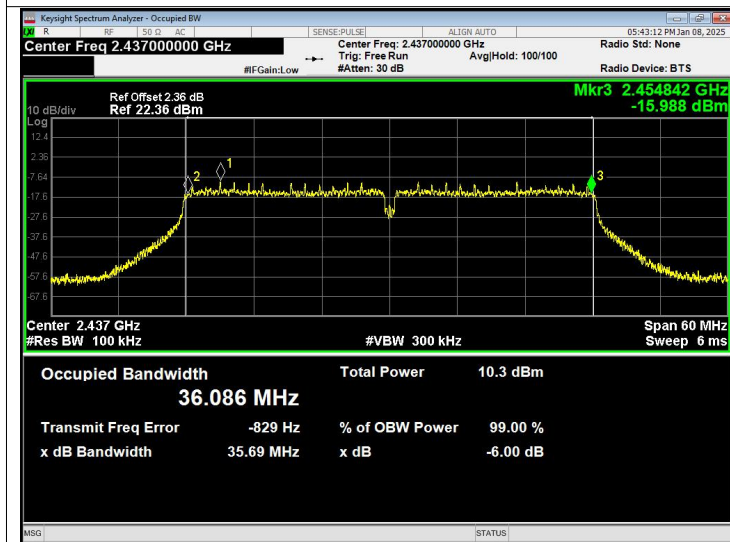
-6dB Bandwidth NVNT n20 2462MHz



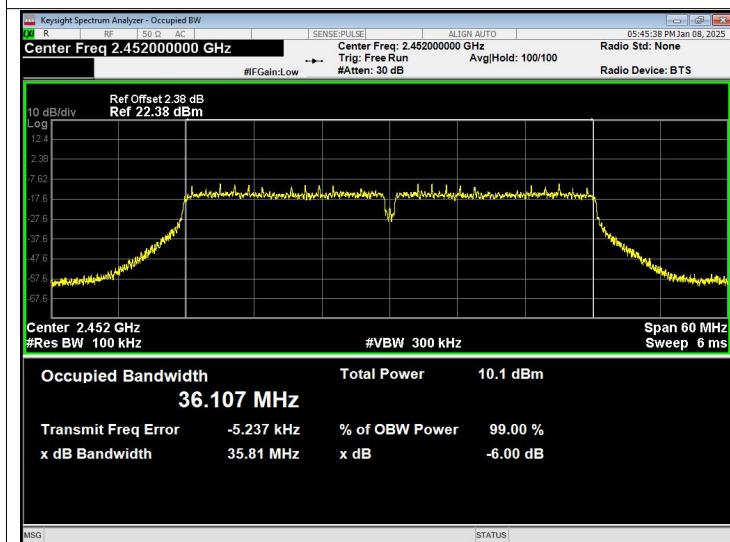
-6dB Bandwidth NVNT n40 2422MHz



-6dB Bandwidth NVNT n40 2437MHz



-6dB Bandwidth NVNT n40 2452MHz

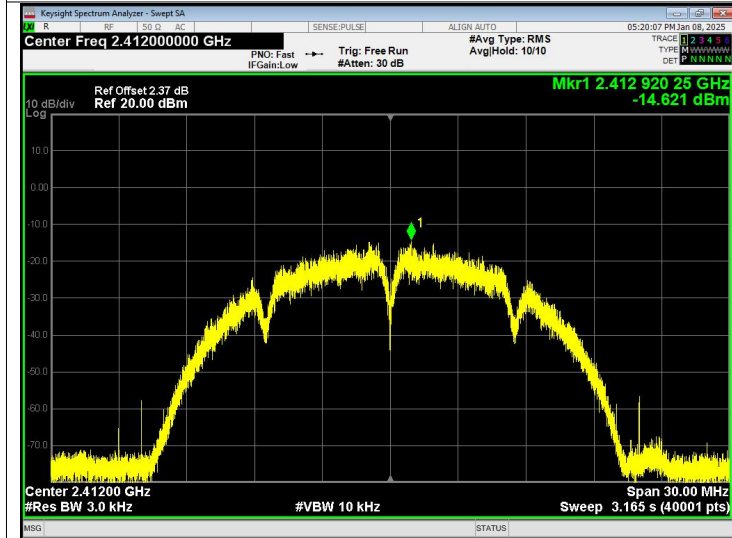


Maximum Power Spectral Density Level

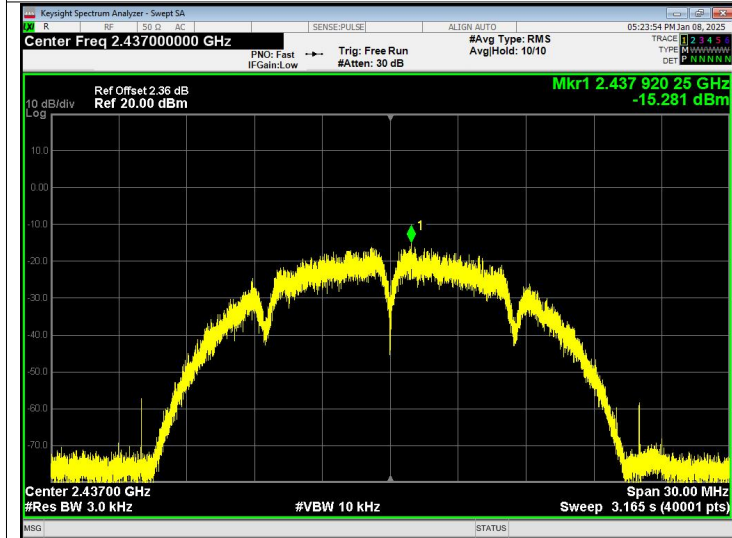
Mode	Frequency (MHz)	Max PSD (dBm)	Limit (dBm)	Verdict
b	2412	-14.621	8	Pass
b	2437	-15.281	8	Pass
b	2462	-15.299	8	Pass
g	2412	-20.842	8	Pass
g	2437	-20.817	8	Pass
g	2462	-20.991	8	Pass
n20	2412	-20.518	8	Pass
n20	2437	-21.834	8	Pass
n20	2462	-21.417	8	Pass
n40	2422	-23.419	8	Pass
n40	2437	-23.997	8	Pass
n40	2452	-24.236	5	Pass

Test Graphs

PSD NVNT b 2412MHz



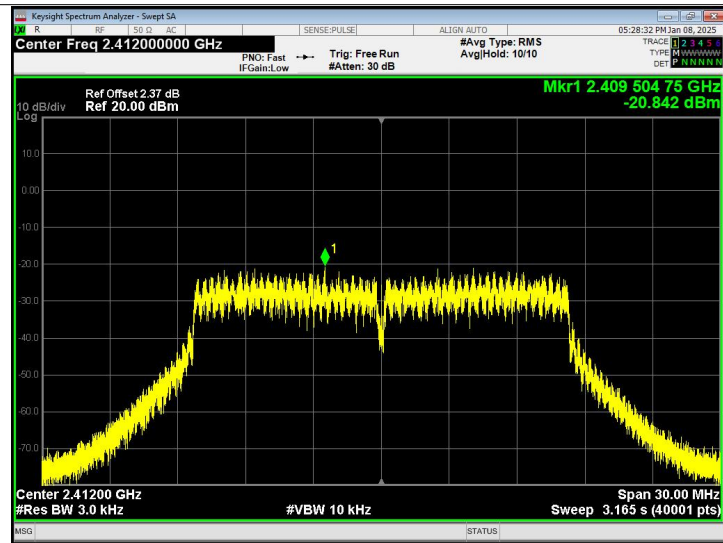
PSD NVNT b 2437MHz



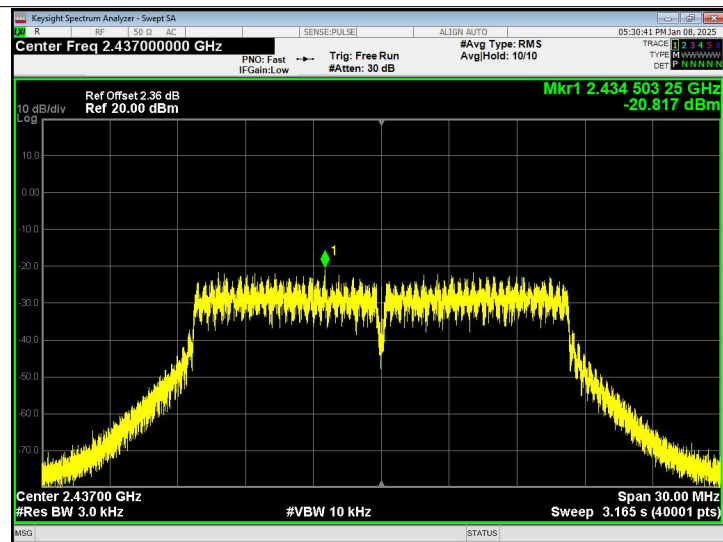
PSD NVNT b 2462MHz



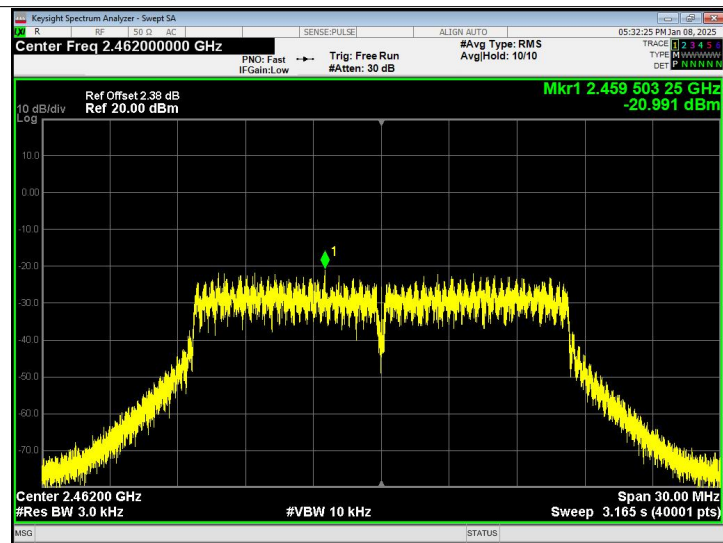
PSD NVNT g 2412MHz



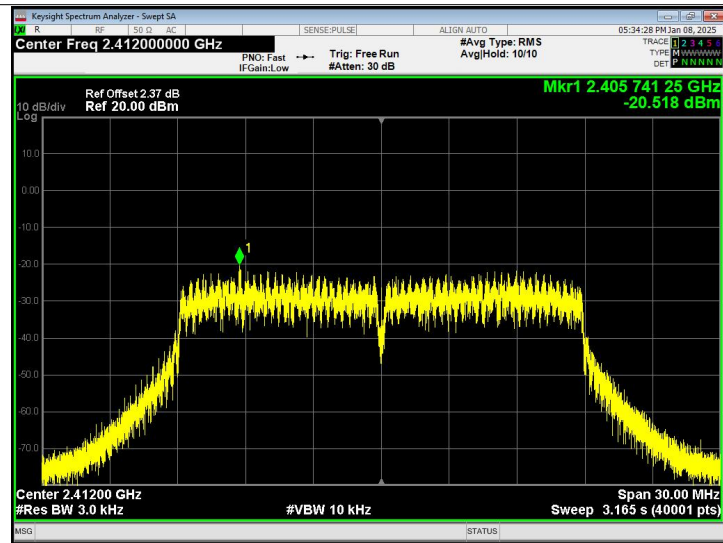
PSD NVNT g 2437MHz



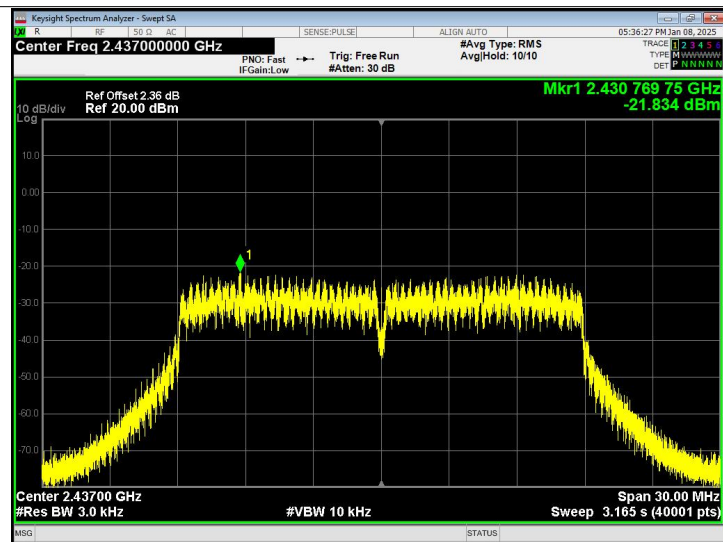
PSD NVNT g 2462MHz



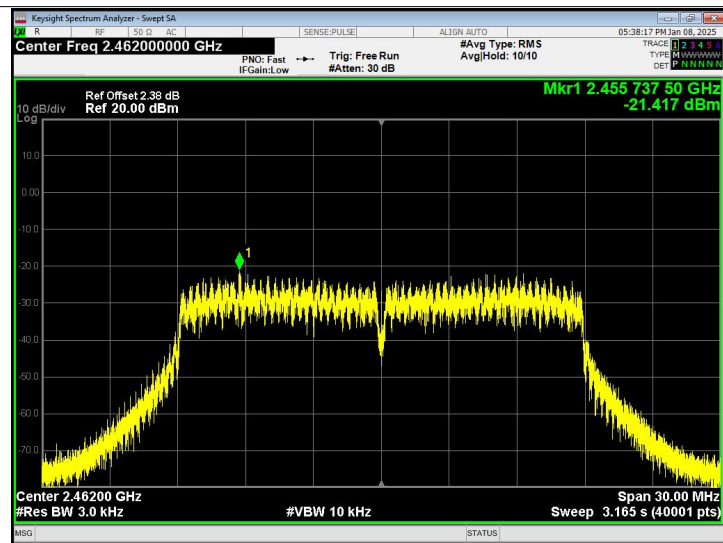
PSD NVNT n20 2412MHz



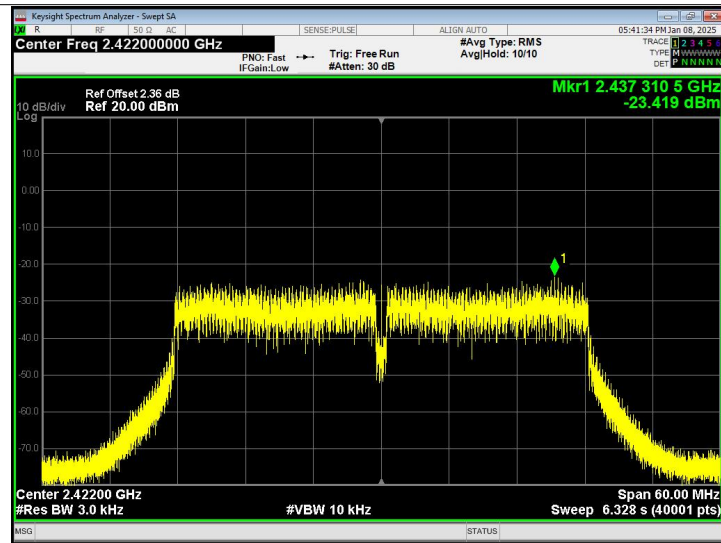
PSD NVNT n20 2437MHz



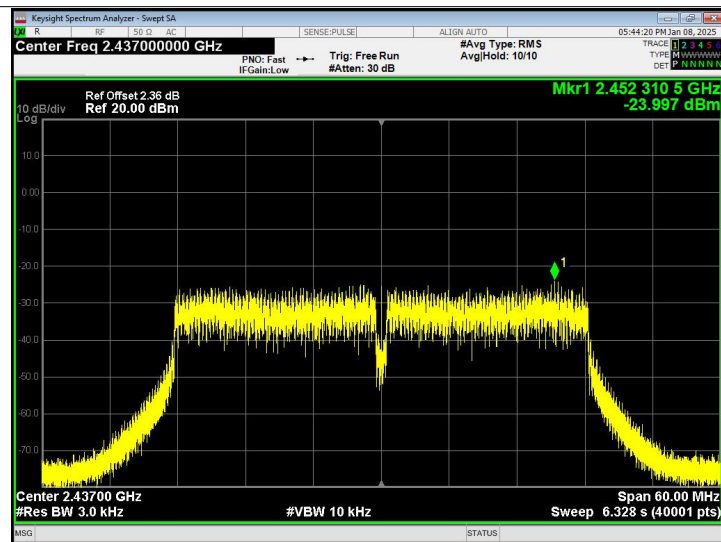
PSD NVNT n20 2462MHz



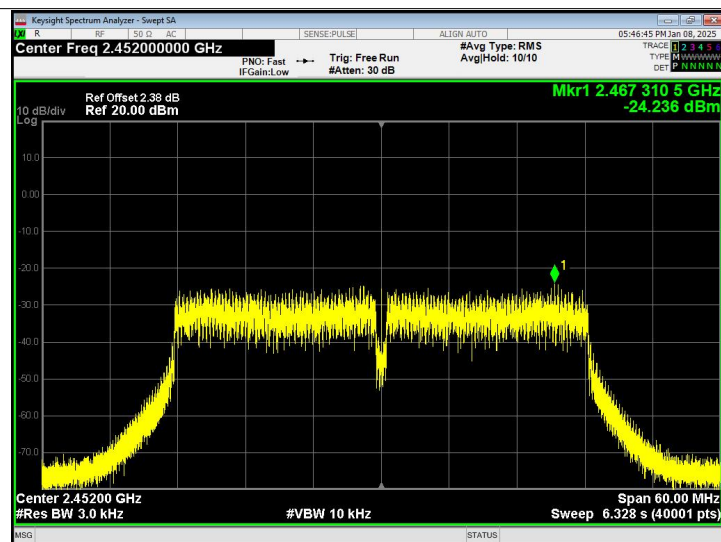
PSD NVNT n40 2422MHz



PSD NVNT n40 2437MHz



PSD NVNT n40 2452MHz



Band Edge

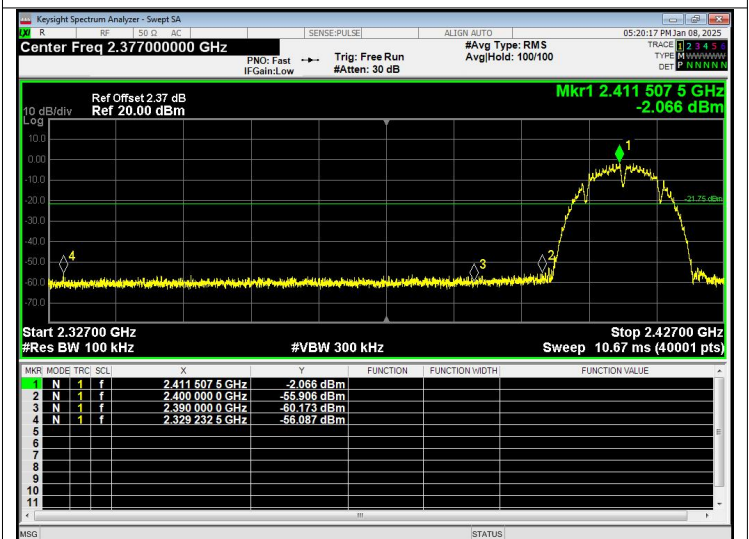
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
b	2412	-54.33	-20	Pass
b	2462	-53.9	-20	Pass
g	2412	-49.15	-20	Pass
g	2462	-48.6	-20	Pass
n20	2412	-48.45	-20	Pass
n20	2462	-49	-20	Pass
n40	2422	-47.09	-20	Pass
n40	2452	-44.86	-20	Pass

Test Graphs

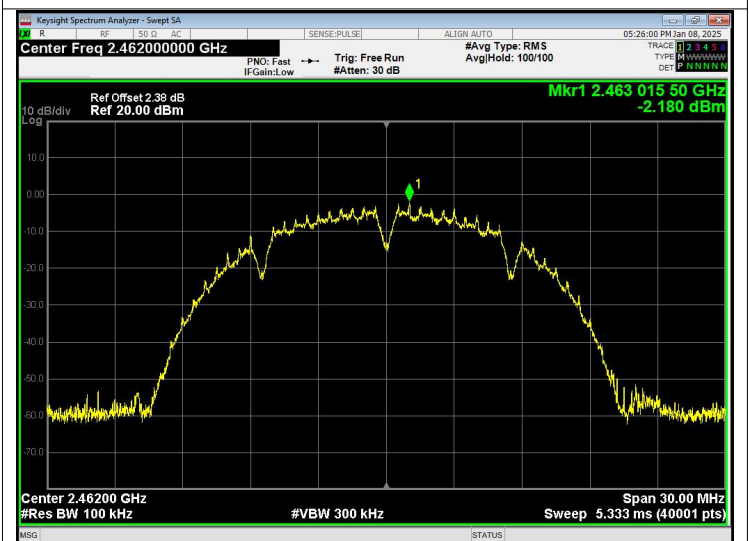
Band Edge NVNT b 2412MHz Ref



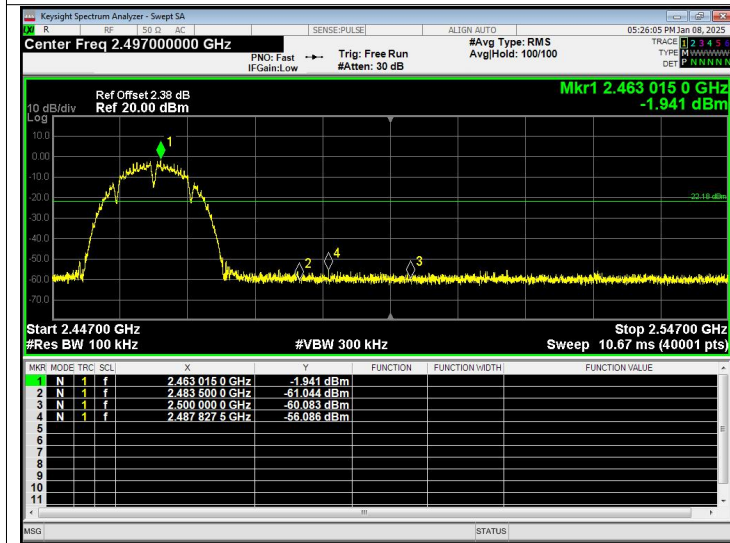
Band Edge NVNT b 2412MHz Emission



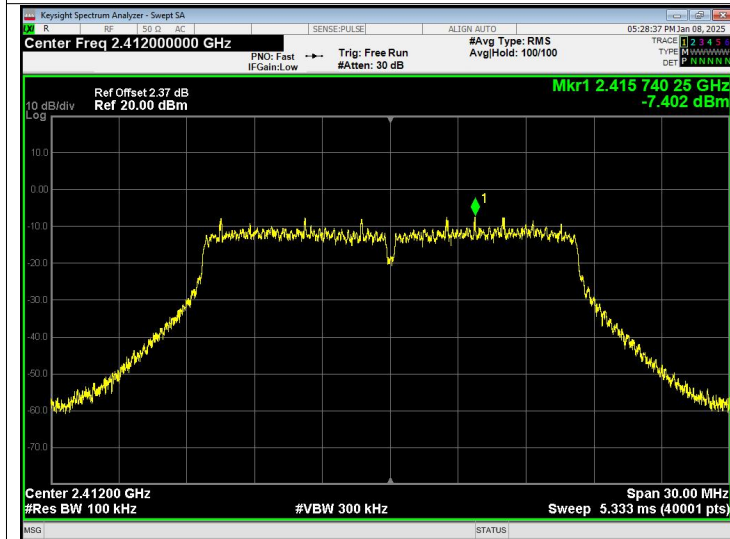
Band Edge NVNT b 2462MHz Ref



Band Edge NVNT b 2462MHz Emission



Band Edge NVNT g 2412MHz Ref



Band Edge NVNT g 2412MHz Emission

