



ANNEX 1 TEST DATA

FCC ID:2BQY8-PF-4U

Applicant: Ningbo jinchen intelligent Technology Co.,Ltd.

Address: Building5, no.300, chuanghai road, Ningbo, Zhejiang, China

Manufacturer: Ningbo jinchen intelligent Technology Co.,Ltd.

Address: Building5, no.300, chuanghai road, Ningbo, Zhejiang, China

Product Name: Pet Smart Feeder

Trade Mark: N/A

Model Number: PF-4U

Date of Receipt: Sept. 24, 2026

Test Date: Sept. 24, 2026 - Oct. 12, 2026

Date of Report: Oct. 12, 2026

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Comprehensive Building, Tongzhou Electronics Longgang Factory Area, No.1
Baolong Fifth Road, Baolong Community, Baolong Street, Longgang District, Shenzhen, China

Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024

Test Result: Pass

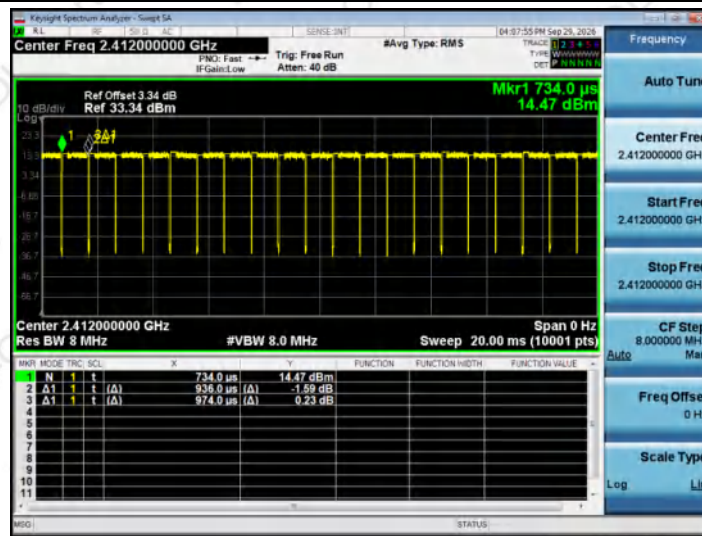


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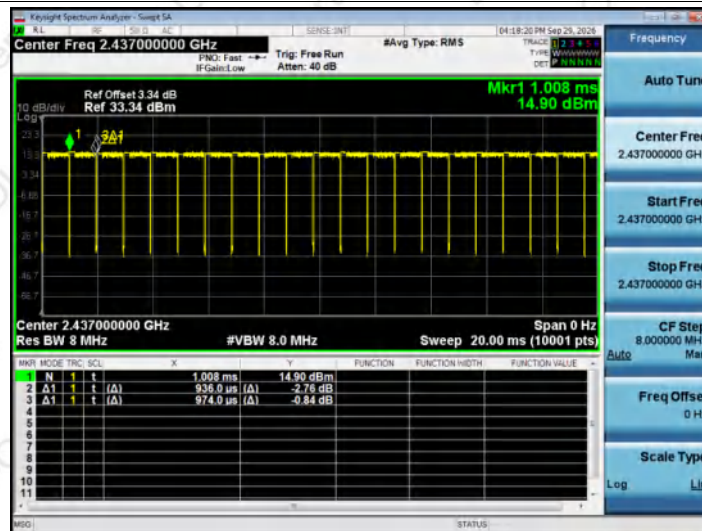
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**1. Duty Cycle**

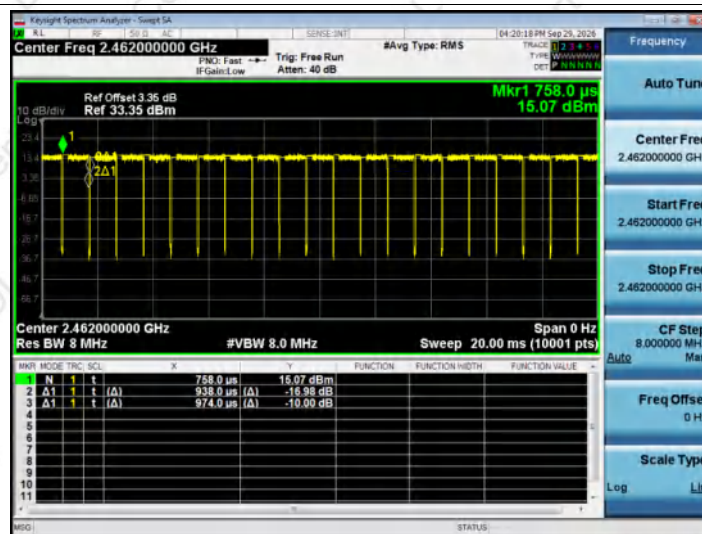
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	96.1	0.17
NVNT	b	2437	Ant1	96.1	0.17
NVNT	b	2462	Ant1	96.3	0.16
NVNT	g	2412	Ant1	80	0.97
NVNT	g	2437	Ant1	80.18	0.96
NVNT	g	2462	Ant1	80	0.97
NVNT	n20	2412	Ant1	78.1	1.07
NVNT	n20	2437	Ant1	78.85	1.03
NVNT	n20	2462	Ant1	79.05	1.02
NVNT	n40	2422	Ant1	69.44	1.58
NVNT	n40	2437	Ant1	70.21	1.54
NVNT	n40	2452	Ant1	80.65	0.93



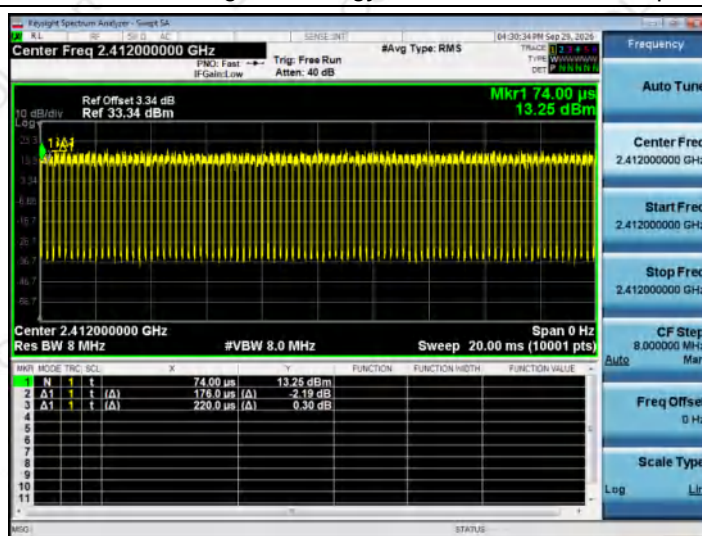
Duty Cycle NVNT b 2412MHz Ant1



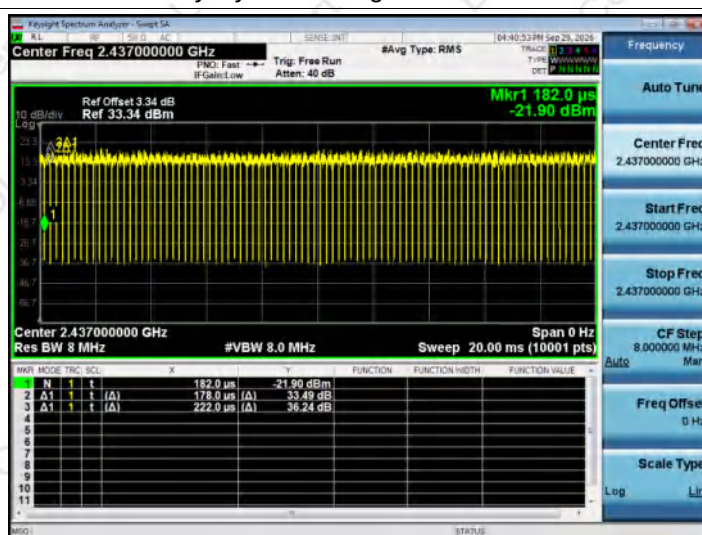
Duty Cycle NVNT b 2437MHz Ant1



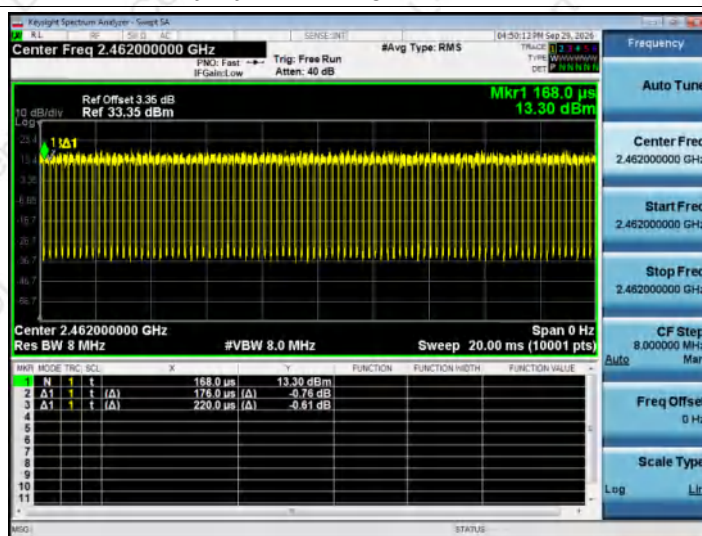
Duty Cycle NVNT b 2462MHz Ant1



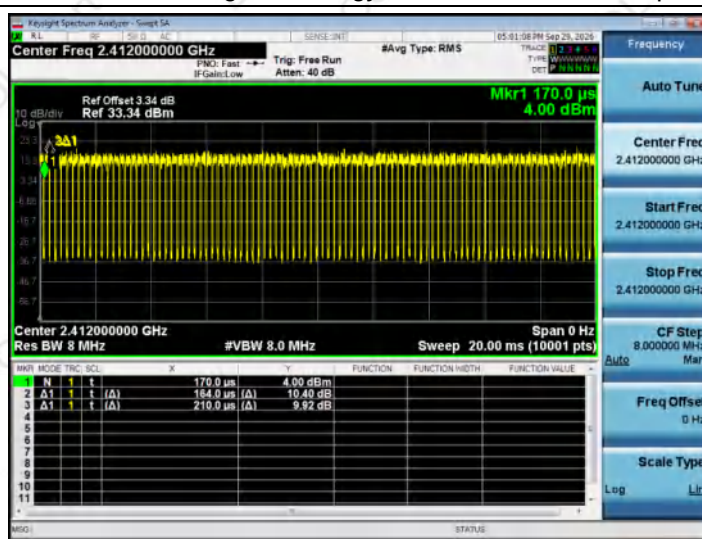
Duty Cycle NVNT g 2412MHz Ant1



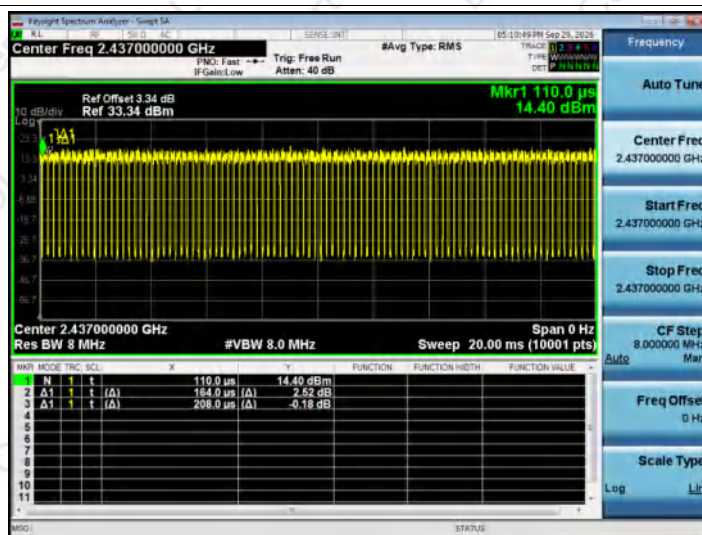
Duty Cycle NVNT g 2437MHz Ant1



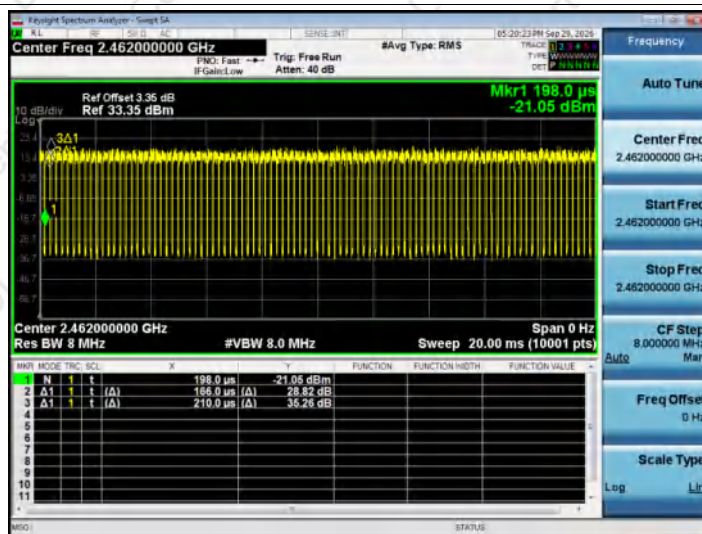
Duty Cycle NVNT g 2462MHz Ant1



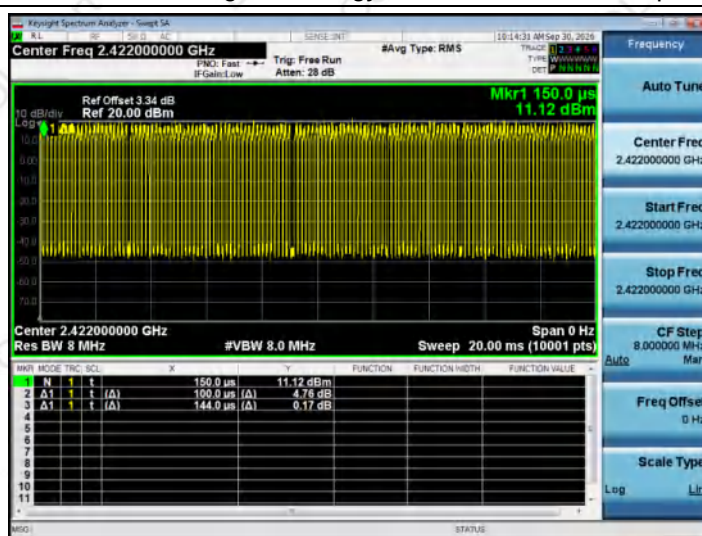
Duty Cycle NVNT n20 2412MHz Ant1



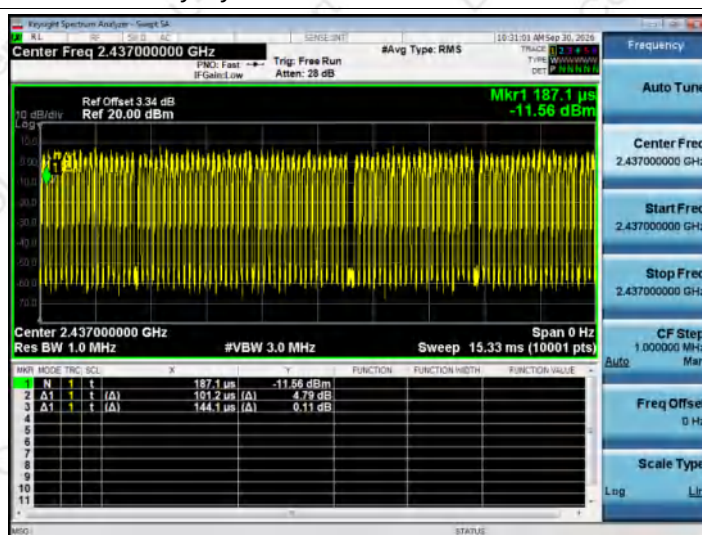
Duty Cycle NVNT n20 2437MHz Ant1



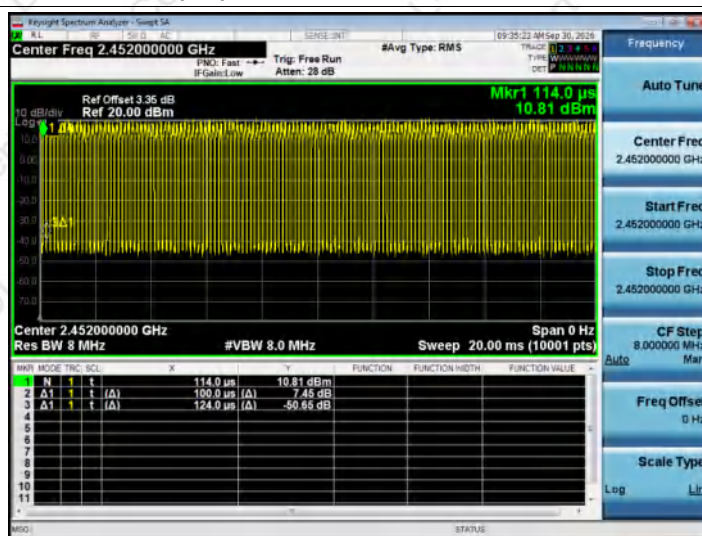
Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



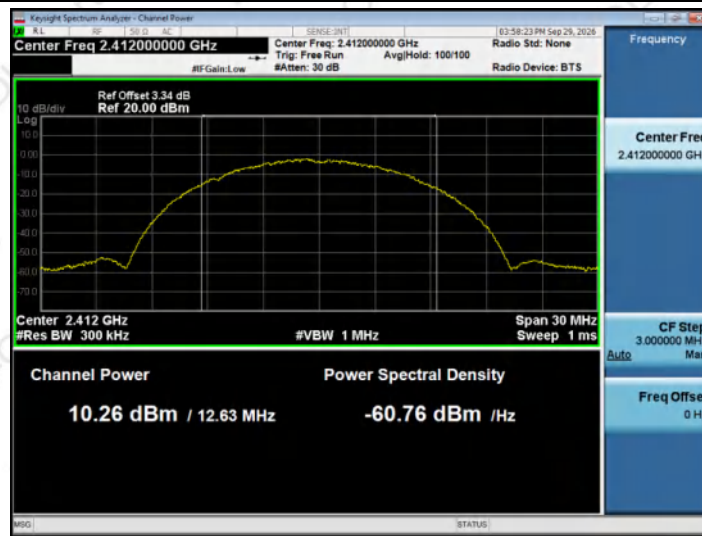
Duty Cycle NVNT n40 2437MHz Ant1



Duty Cycle NVNT n40 2452MHz Ant1

**2. Maximum Average Conducted Output Power**

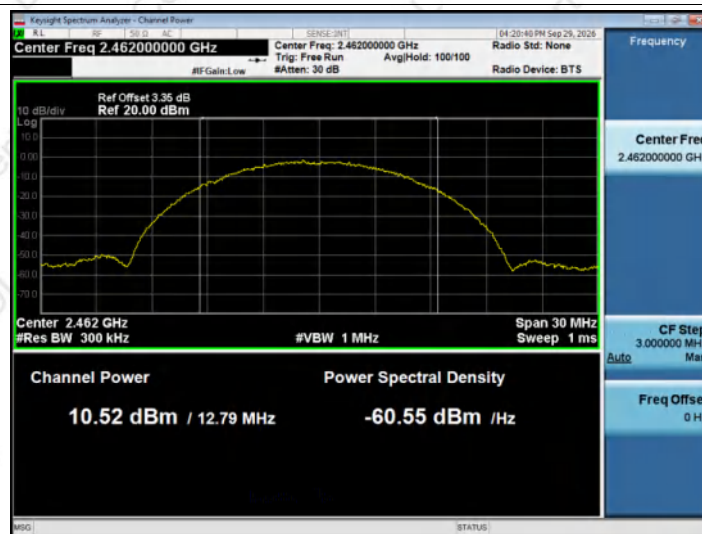
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	10.26	0.17	10.43	30	Pass
NVNT	b	2437	Ant1	10.56	0.17	10.73	30	Pass
NVNT	b	2462	Ant1	10.52	0.16	10.68	30	Pass
NVNT	g	2412	Ant1	10.49	0.97	11.46	30	Pass
NVNT	g	2437	Ant1	10.95	0.96	11.91	30	Pass
NVNT	g	2462	Ant1	10.2	0.97	11.17	30	Pass
NVNT	n20	2412	Ant1	10.42	1.07	11.49	30	Pass
NVNT	n20	2437	Ant1	10.87	1.03	11.9	30	Pass
NVNT	n20	2462	Ant1	10.79	1.02	11.81	30	Pass
NVNT	n40	2422	Ant1	14.98	1.58	16.56	30	Pass
NVNT	n40	2437	Ant1	14.39	1.54	15.93	30	Pass
NVNT	n40	2452	Ant1	12.5	0.93	13.43	30	Pass



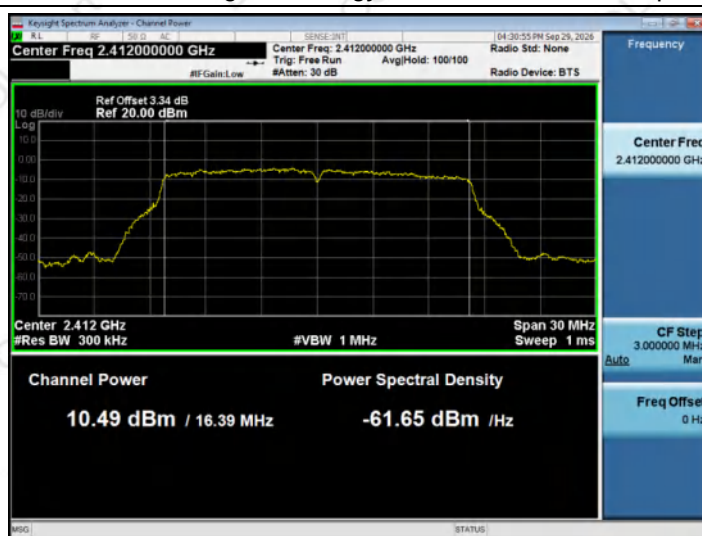
Average Power NVNT b 2412MHz Ant1



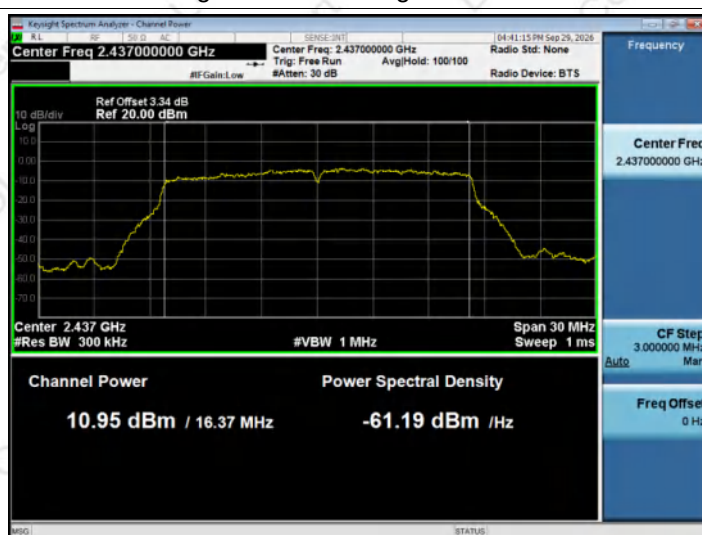
Average Power NVNT b 2437MHz Ant1



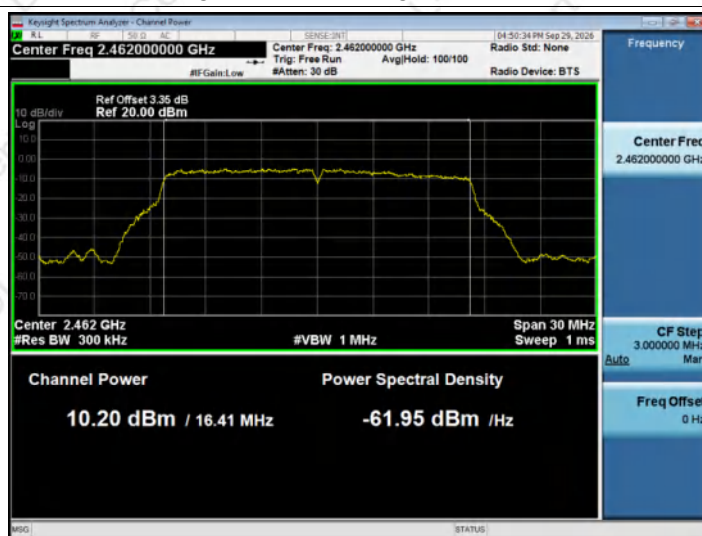
Average Power NVNT b 2462MHz Ant1



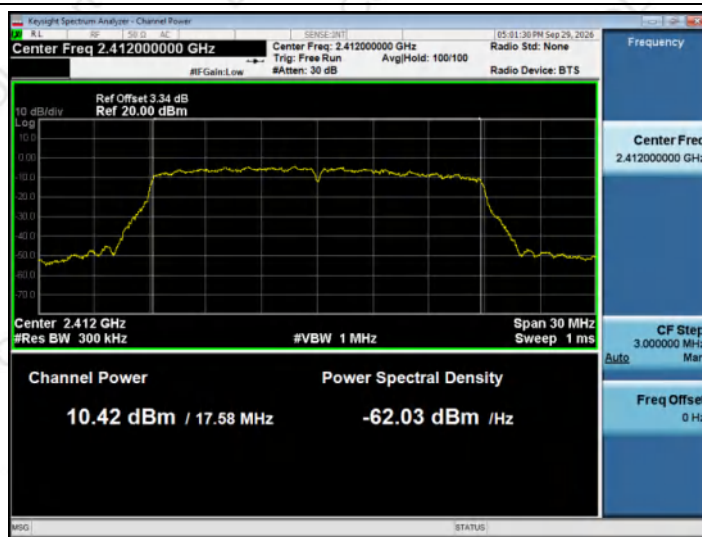
Average Power NVNT g 2412MHz Ant1



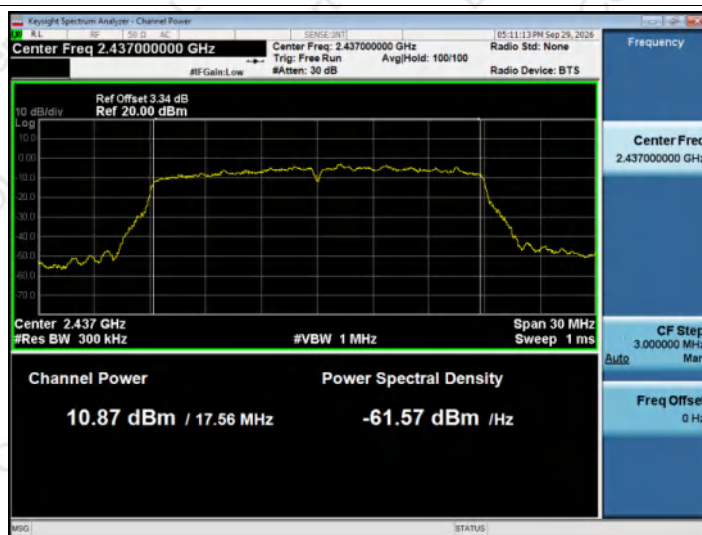
Average Power NVNT g 2437MHz Ant1



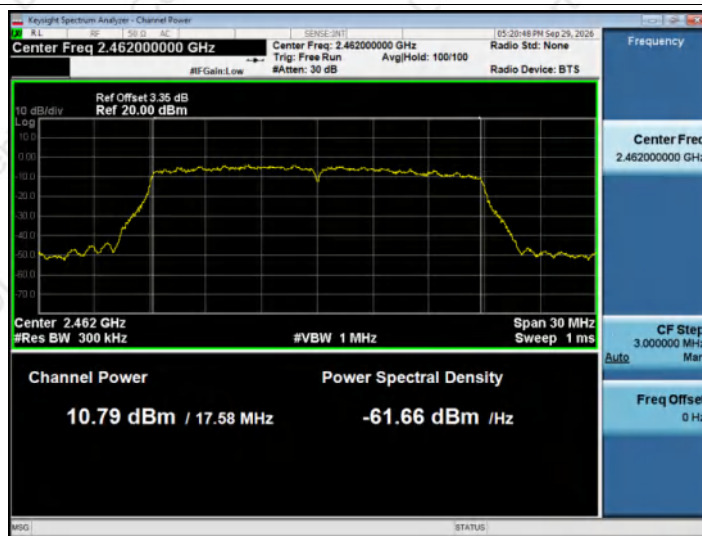
Average Power NVNT g 2462MHz Ant1



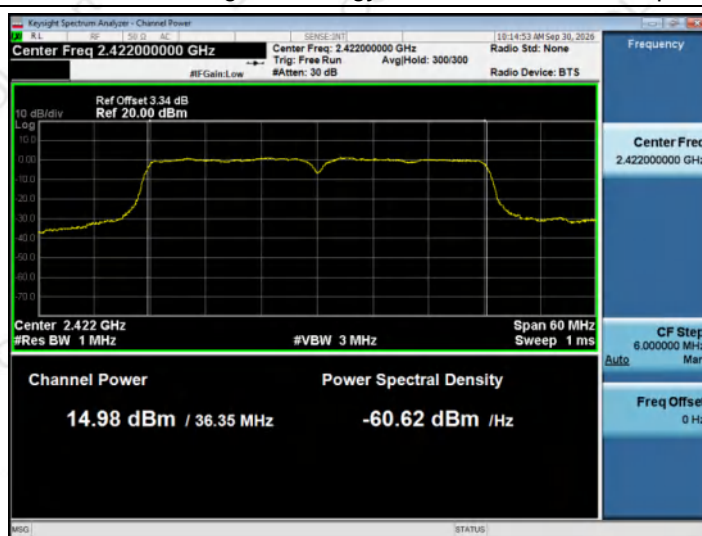
Average Power NVNT n20 2412MHz Ant1



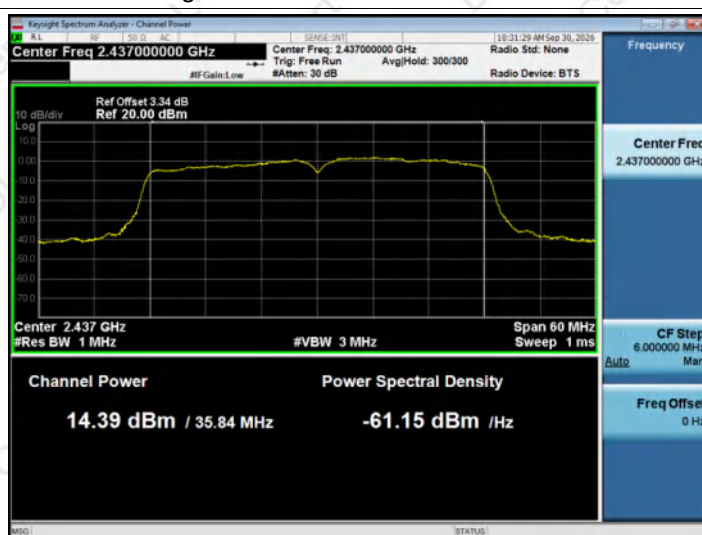
Average Power NVNT n20 2437MHz Ant1



Average Power NVNT n20 2462MHz Ant1



Average Power NVNT n40 2422MHz Ant1



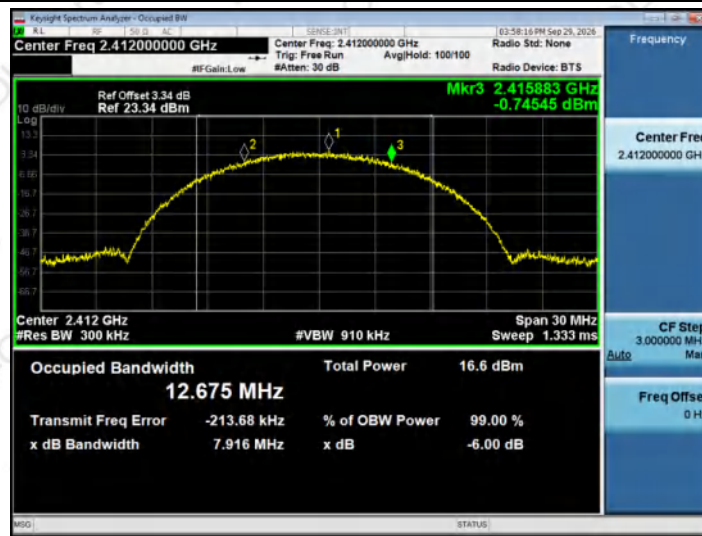
Average Power NVNT n40 2437MHz Ant1



Average Power NVNT n40 2452MHz Ant1

**3. -6dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.916	0.5	Pass
NVNT	b	2437	Ant1	8.342	0.5	Pass
NVNT	b	2462	Ant1	8.122	0.5	Pass
NVNT	g	2412	Ant1	16.12	0.5	Pass
NVNT	g	2437	Ant1	16.12	0.5	Pass
NVNT	g	2462	Ant1	16.15	0.5	Pass
NVNT	n20	2412	Ant1	17.36	0.5	Pass
NVNT	n20	2437	Ant1	15.55	0.5	Pass
NVNT	n20	2462	Ant1	17.29	0.5	Pass
NVNT	n40	2422	Ant1	36.4	0.5	Pass
NVNT	n40	2437	Ant1	32.88	0.5	Pass
NVNT	n40	2452	Ant1	24.66	0.5	Pass



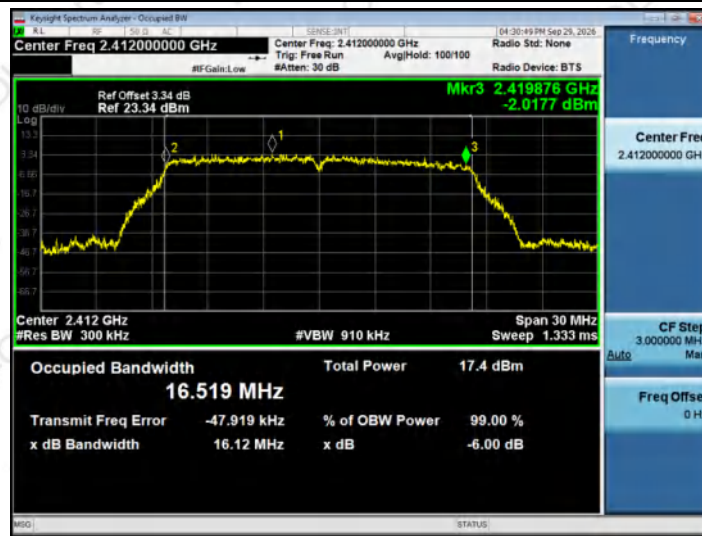
-6dB Bandwidth NVNT b 2412MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant1



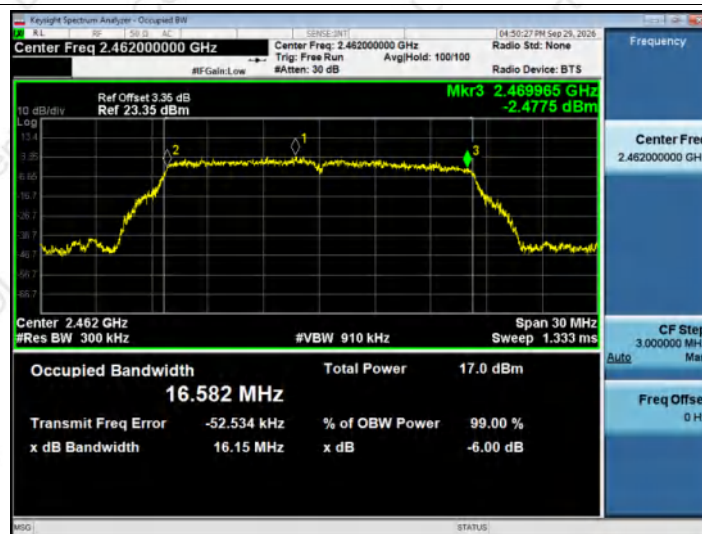
-6dB Bandwidth NVNT b 2462MHz Ant1



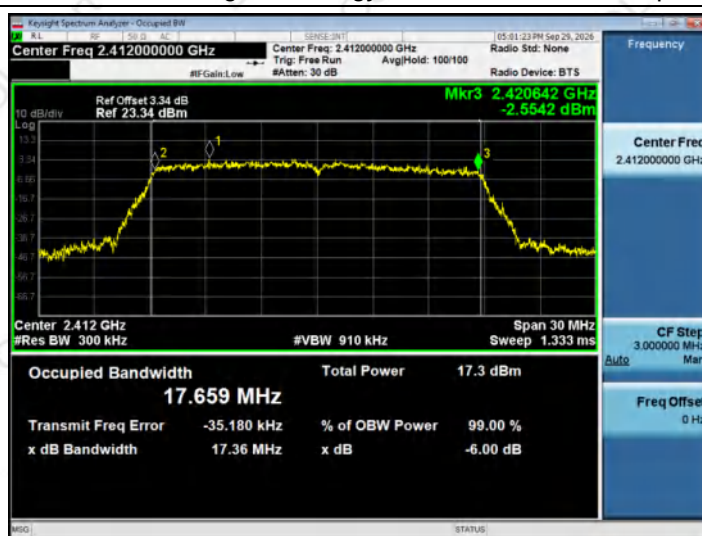
-6dB Bandwidth NVNT g 2412MHz Ant1



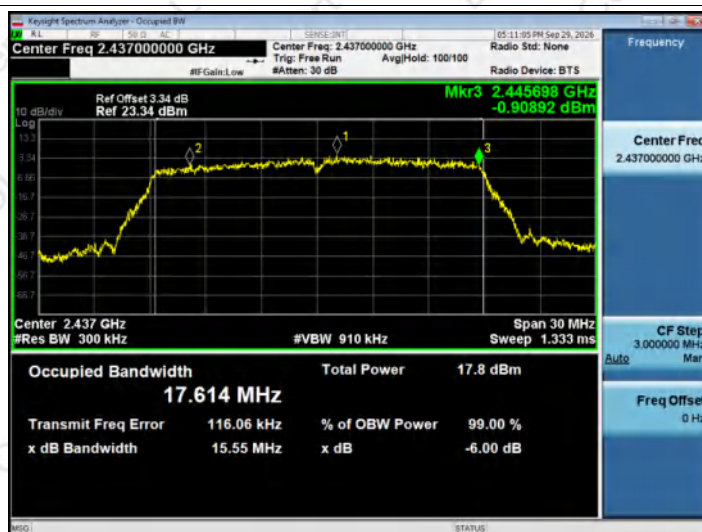
-6dB Bandwidth NVNT g 2437MHz Ant1



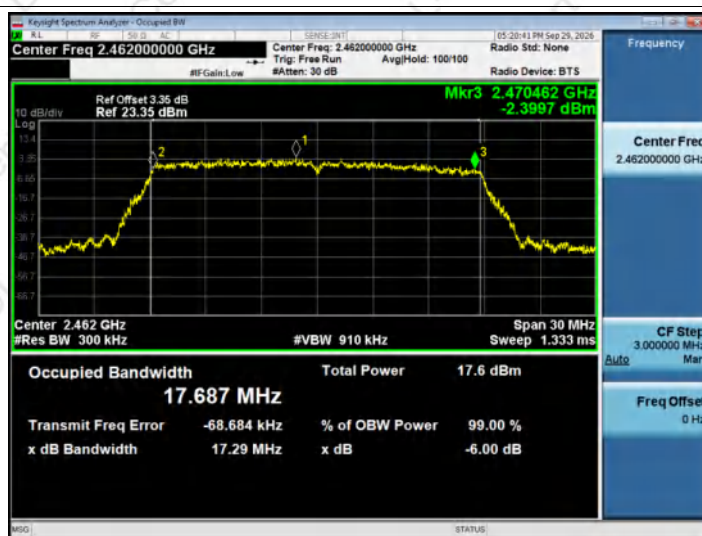
-6dB Bandwidth NVNT g 2462MHz Ant1



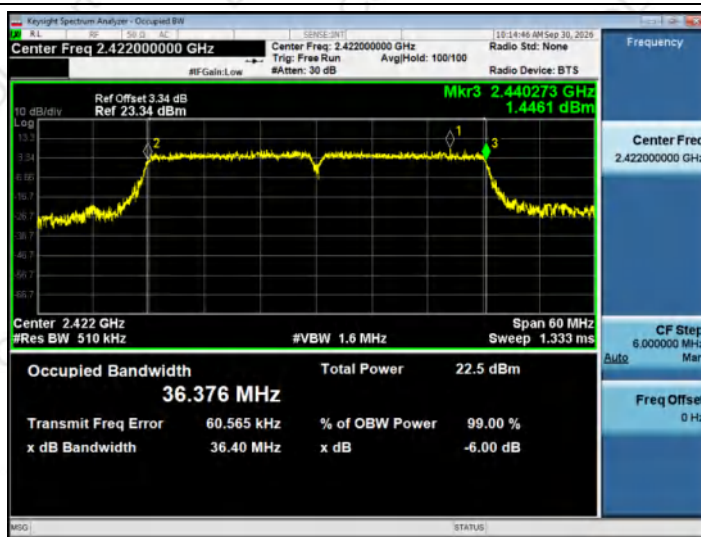
-6dB Bandwidth NVNT n20 2412MHz Ant1



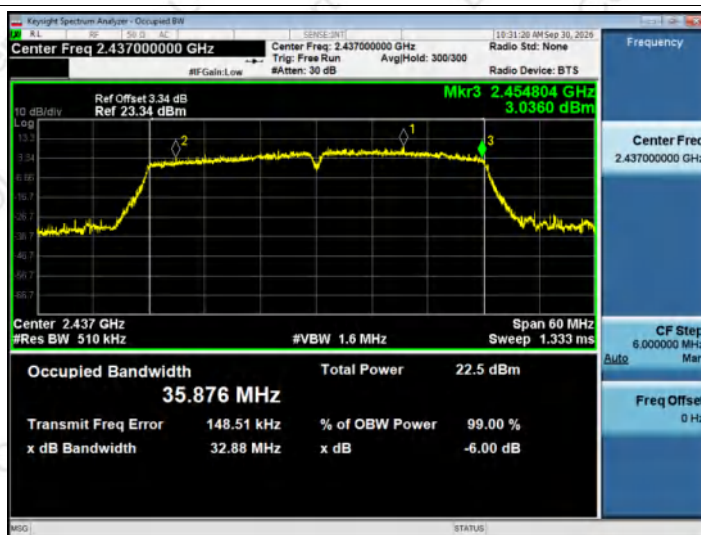
-6dB Bandwidth NVNT n20 2437MHz Ant1



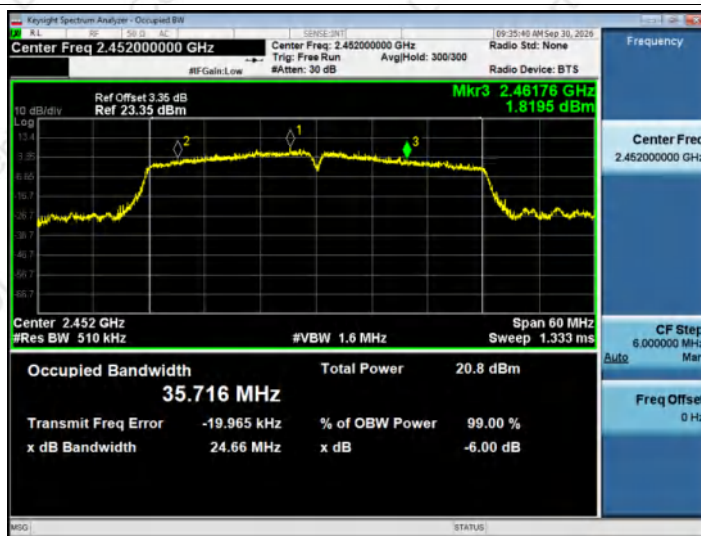
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



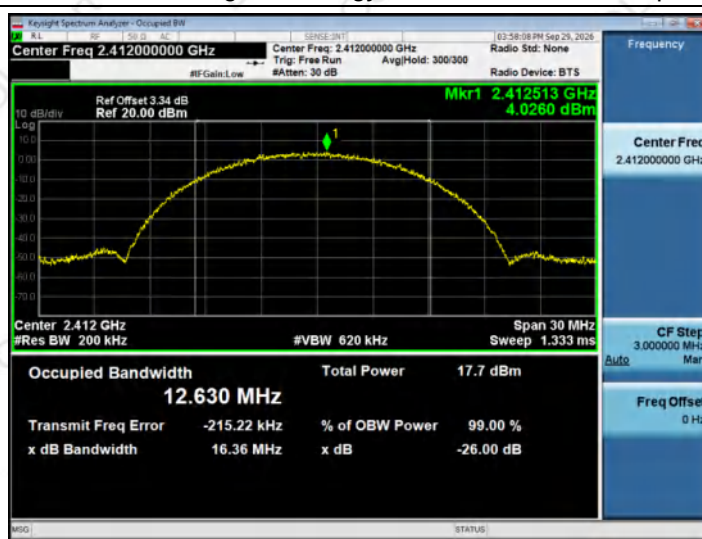
-6dB Bandwidth NVNT n40 2437MHz Ant1



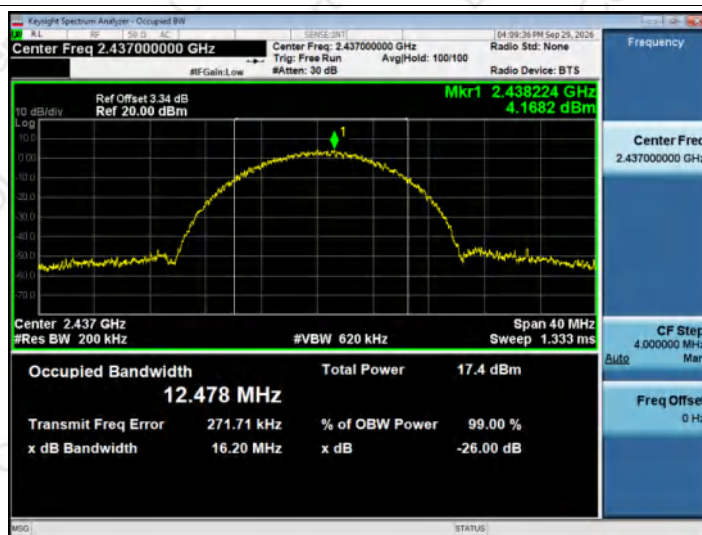
-6dB Bandwidth NVNT n40 2452MHz Ant1

**4. Occupied Channel Bandwidth**

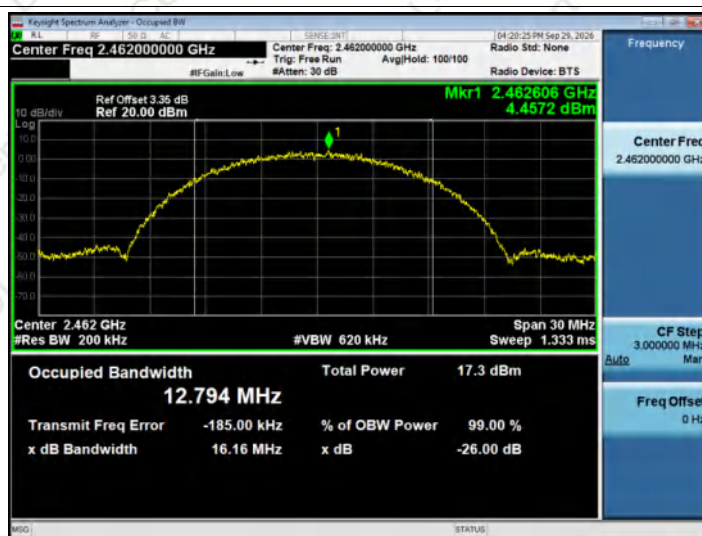
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.63
NVNT	b	2437	Ant1	12.478
NVNT	b	2462	Ant1	12.794
NVNT	g	2412	Ant1	16.388
NVNT	g	2437	Ant1	16.372
NVNT	g	2462	Ant1	16.414
NVNT	n20	2412	Ant1	17.581
NVNT	n20	2437	Ant1	17.563
NVNT	n20	2462	Ant1	17.583
NVNT	n40	2422	Ant1	36.345
NVNT	n40	2437	Ant1	35.838
NVNT	n40	2452	Ant1	35.689



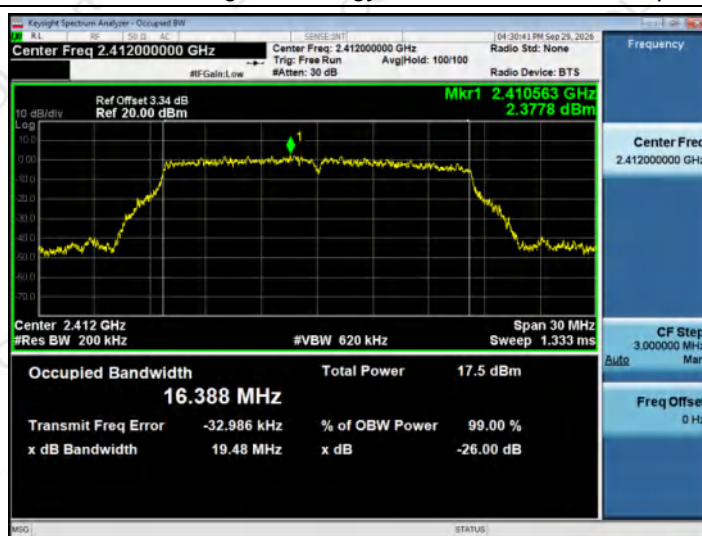
OBW NVNT b 2412MHz Ant1



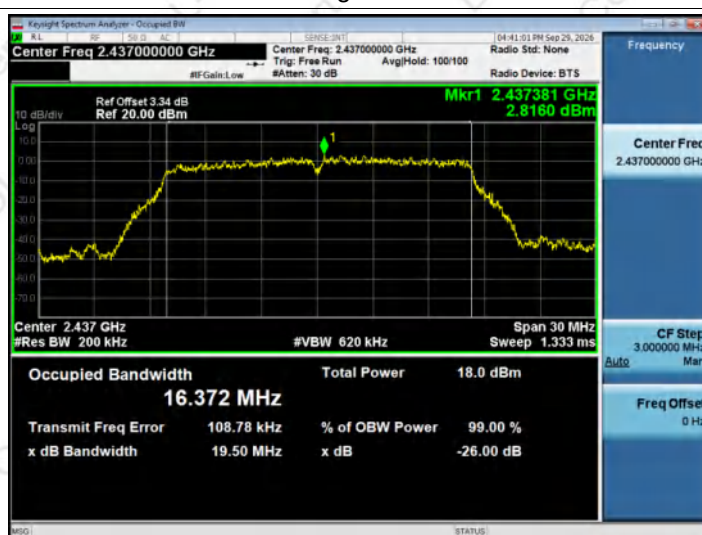
OBW NVNT b 2437MHz Ant1



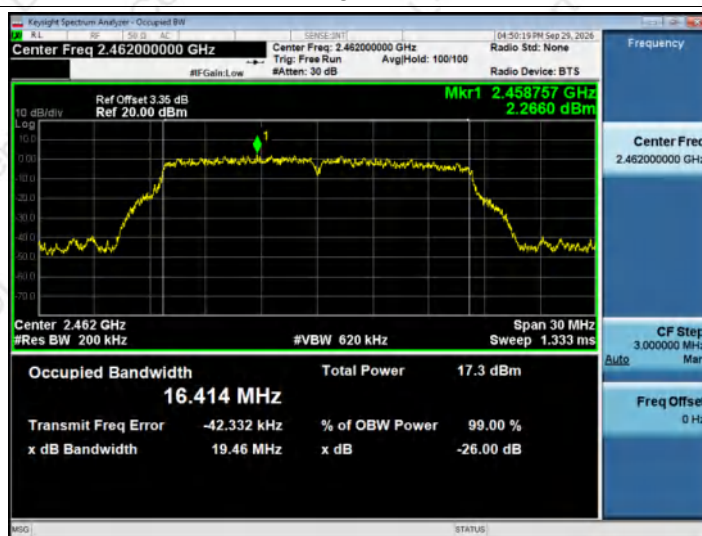
OBW NVNT b 2462MHz Ant1



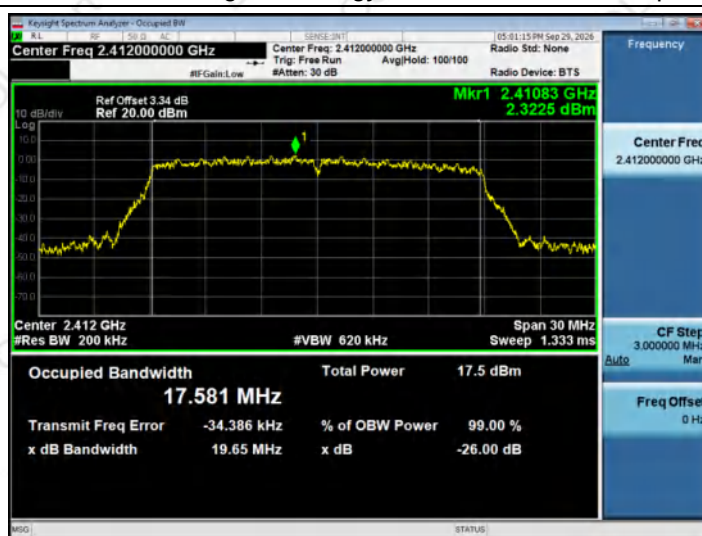
OBW NVNT g 2412MHz Ant1



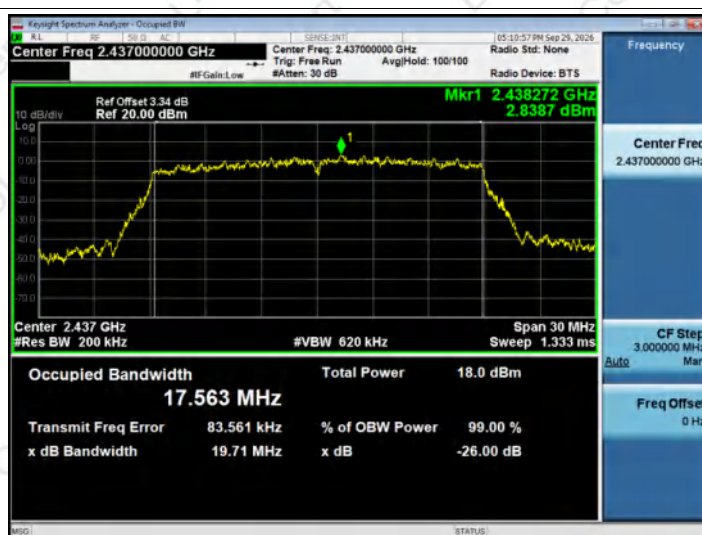
OBW NVNT g 2437MHz Ant1



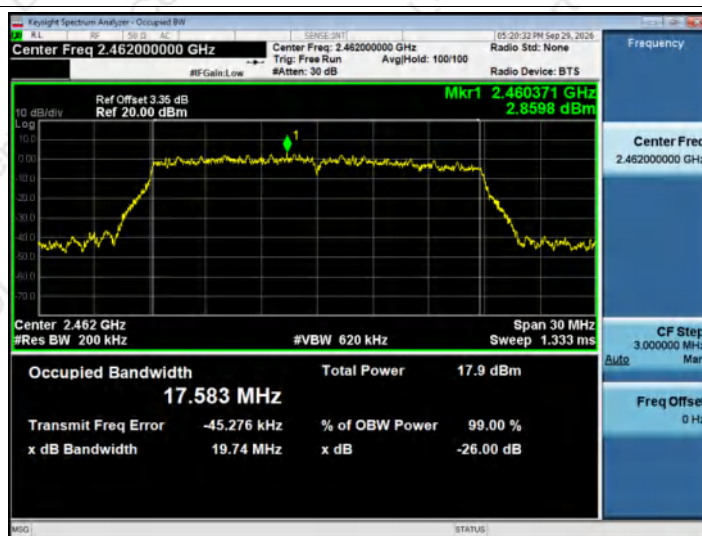
OBW NVNT g 2462MHz Ant1



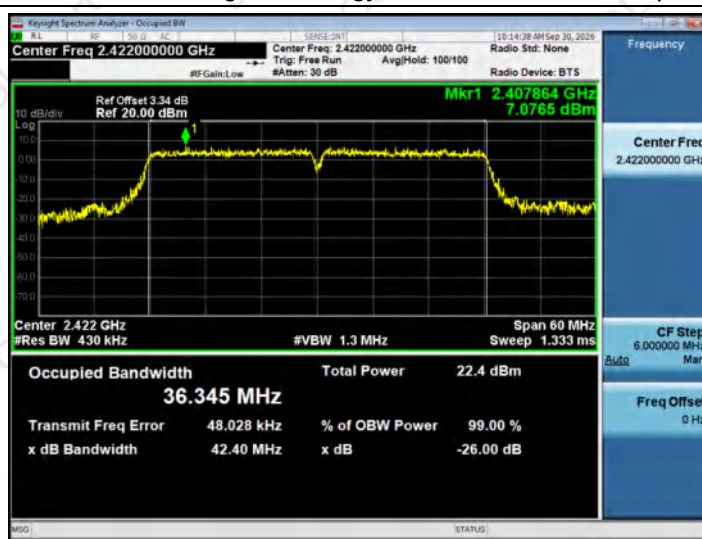
OBW NVNT n20 2412MHz Ant1



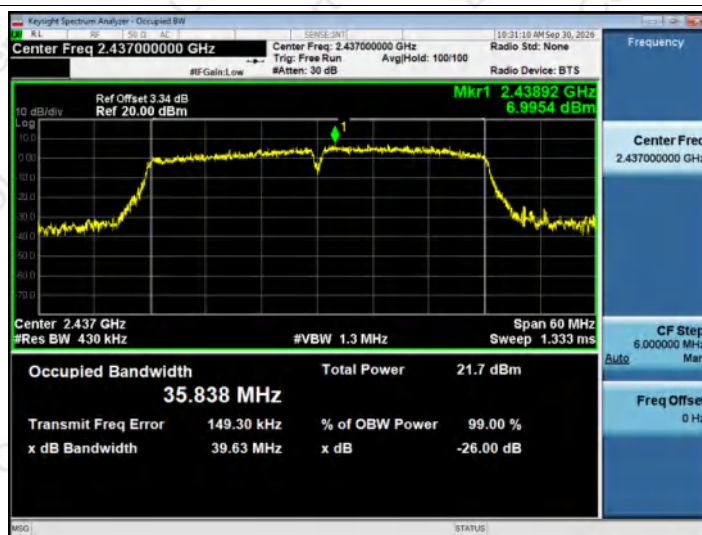
OBW NVNT n20 2437MHz Ant1



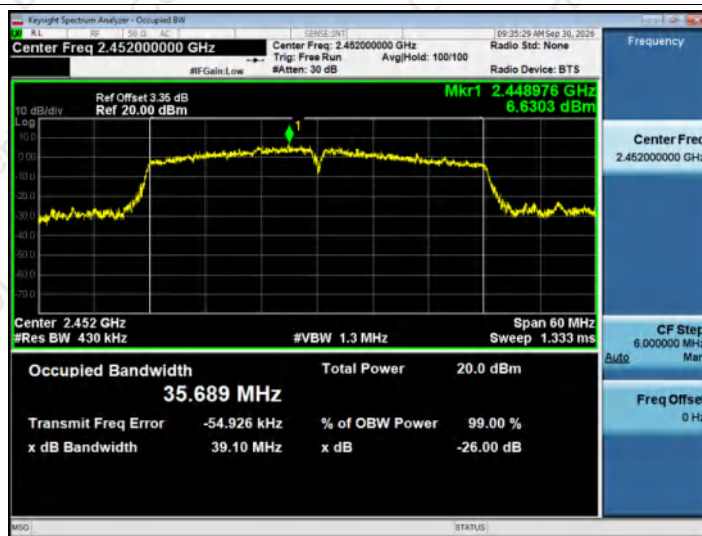
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



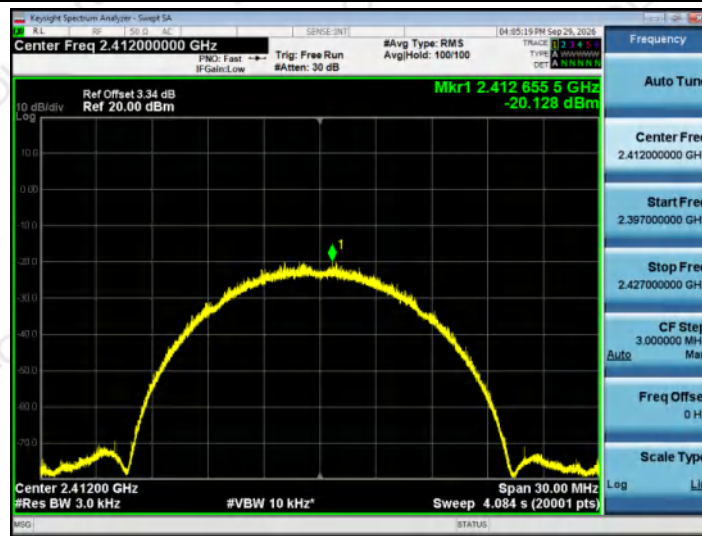
OBW NVNT n40 2437MHz Ant1



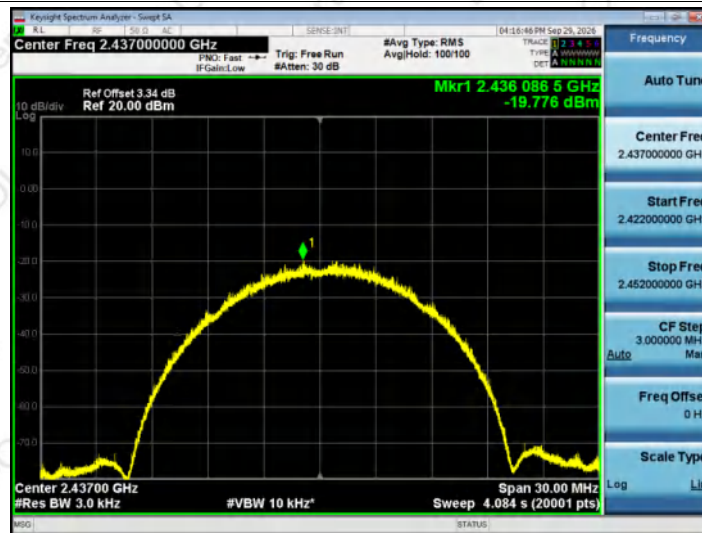
OBW NVNT n40 2452MHz Ant1

**5. Maximum Power Spectral Density Level**

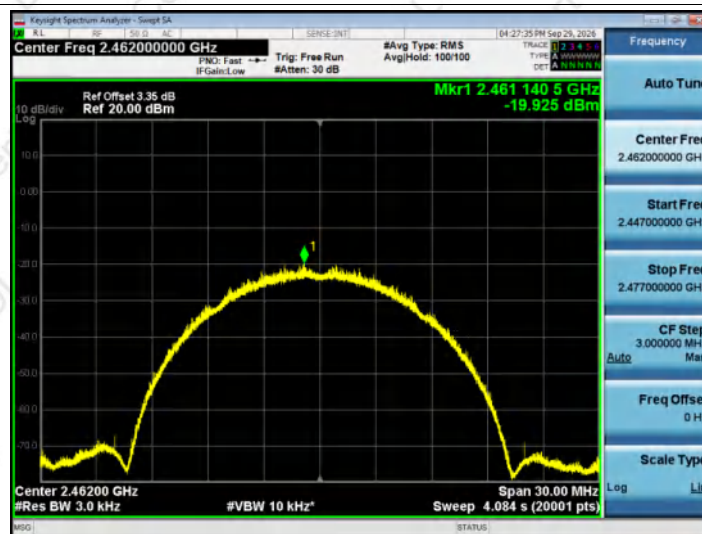
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-20.13	0.17	-19.96	8	Pass
NVNT	b	2437	Ant1	-19.78	0.17	-19.61	8	Pass
NVNT	b	2462	Ant1	-19.93	0.16	-19.77	8	Pass
NVNT	g	2412	Ant1	-19.46	0.97	-18.49	8	Pass
NVNT	g	2437	Ant1	-18.37	0.96	-17.41	8	Pass
NVNT	g	2462	Ant1	-19.76	0.97	-18.79	8	Pass
NVNT	n20	2412	Ant1	-17.74	1.07	-16.67	8	Pass
NVNT	n20	2437	Ant1	-17.8	1.03	-16.77	8	Pass
NVNT	n20	2462	Ant1	-17.39	1.02	-16.37	8	Pass
NVNT	n40	2422	Ant1	-15.68	1.58	-14.1	8	Pass
NVNT	n40	2437	Ant1	-15.44	1.54	-13.9	8	Pass
NVNT	n40	2452	Ant1	-16.2	0.93	-15.27	8	Pass



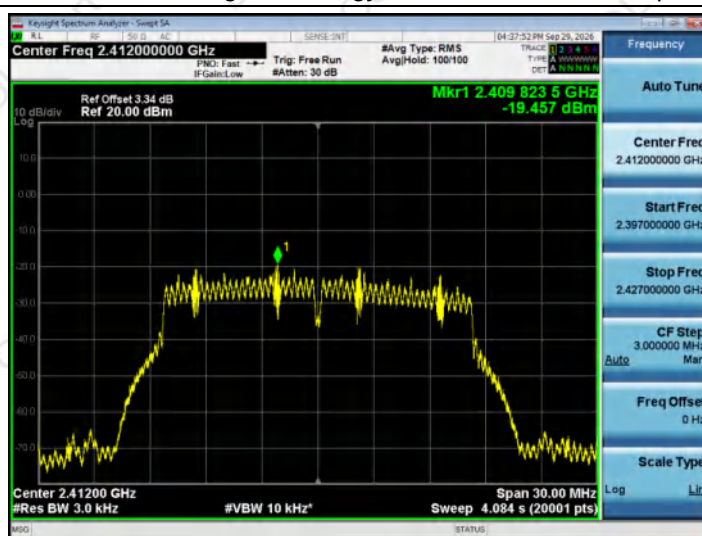
PSD NVNT b 2412MHz Ant1



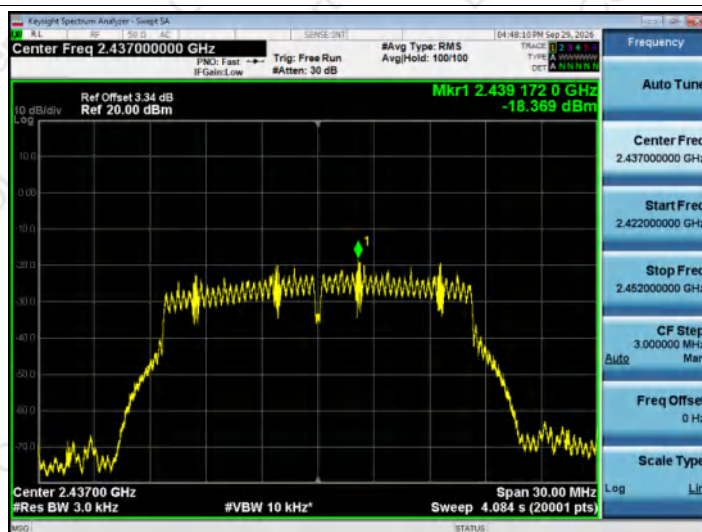
PSD NVNT b 2437MHz Ant1



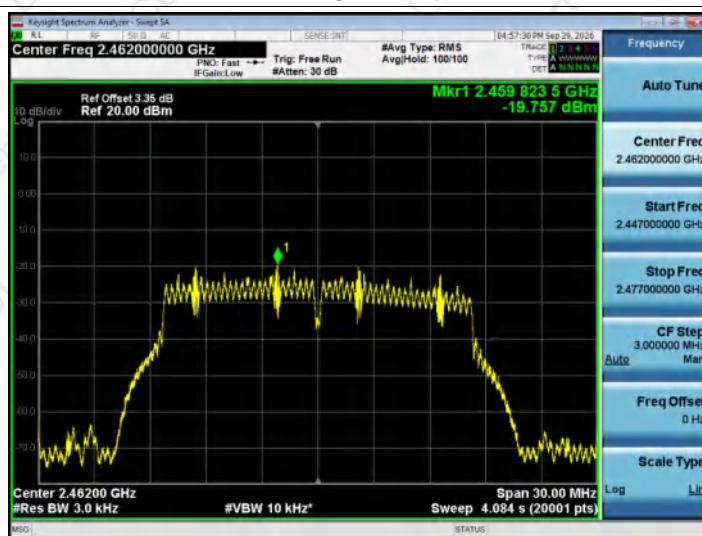
PSD NVNT b 2462MHz Ant1



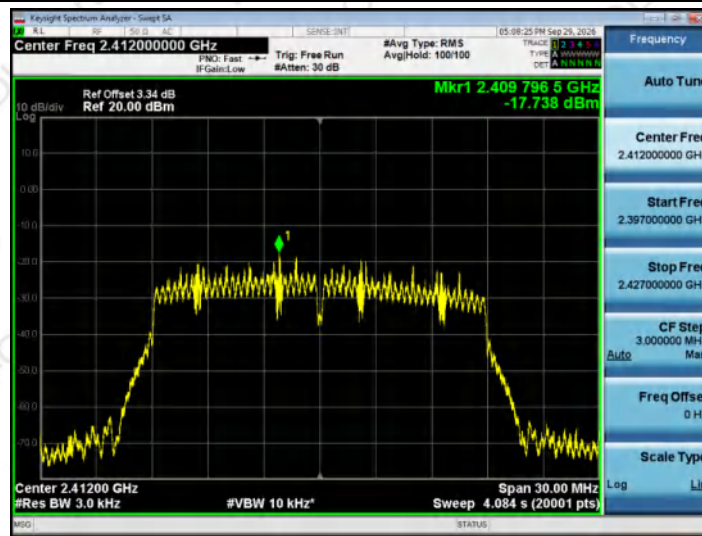
PSD NVNT g 2412MHz Ant1



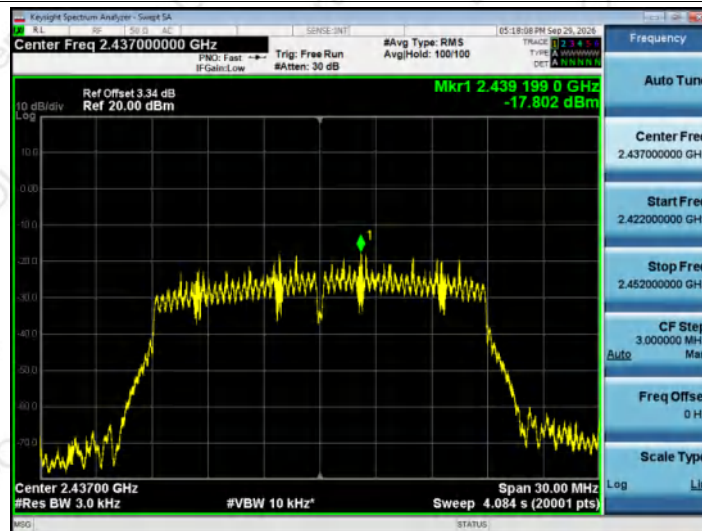
PSD NVNT g 2437MHz Ant1



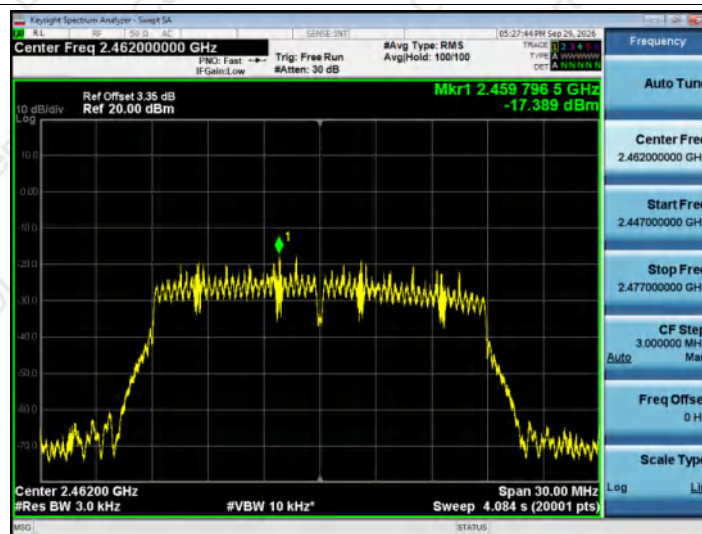
PSD NVNT g 2462MHz Ant1



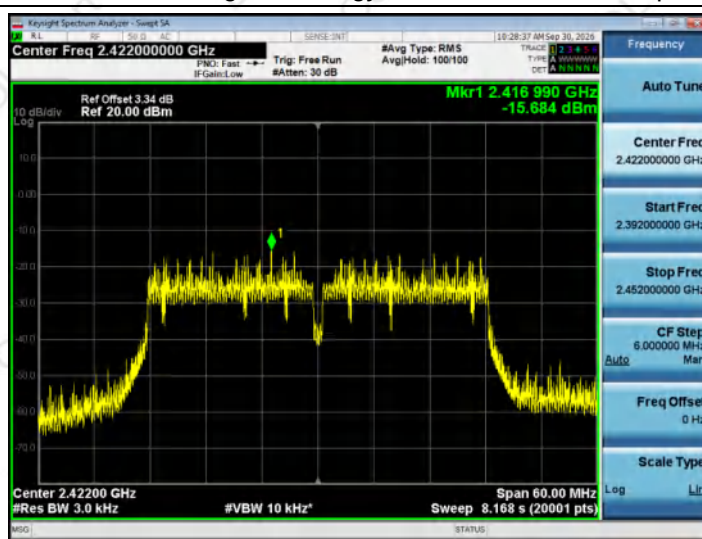
PSD NVNT n20 2412MHz Ant1



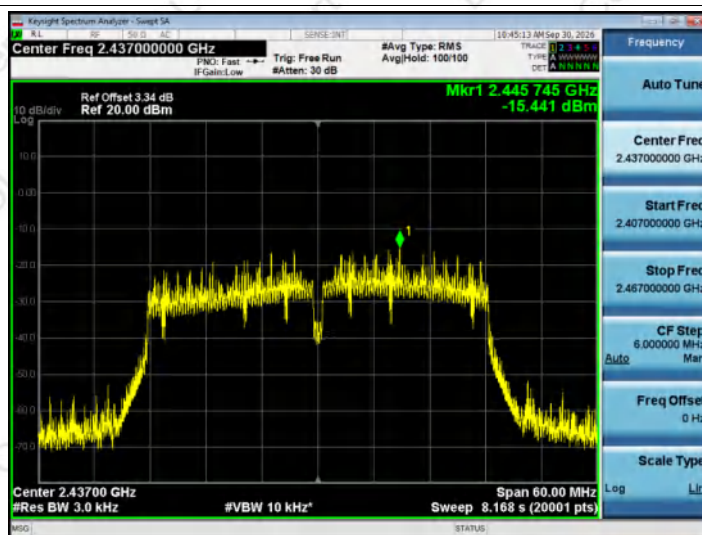
PSD NVNT n20 2437MHz Ant1



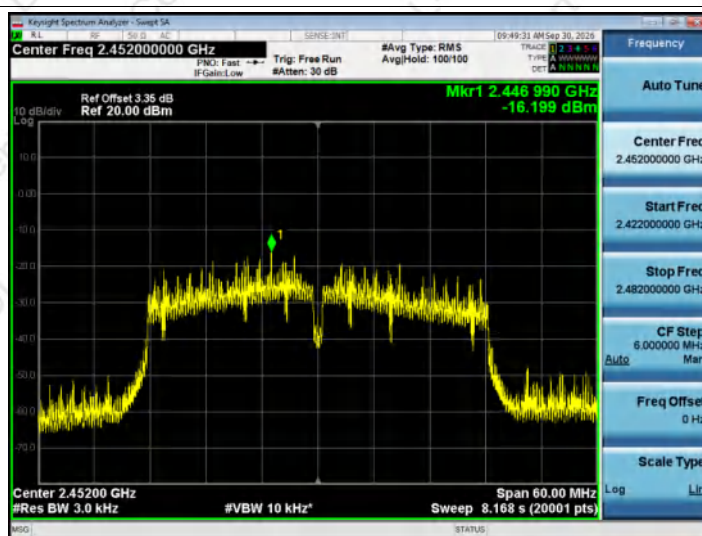
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



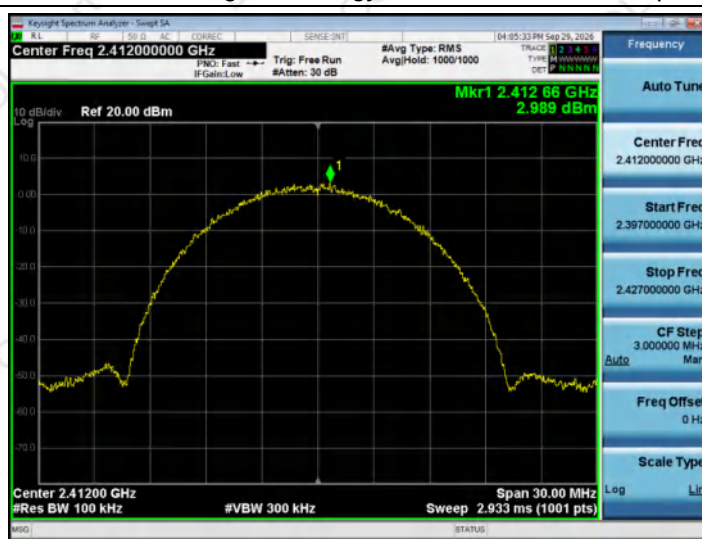
PSD NVNT n40 2437MHz Ant1



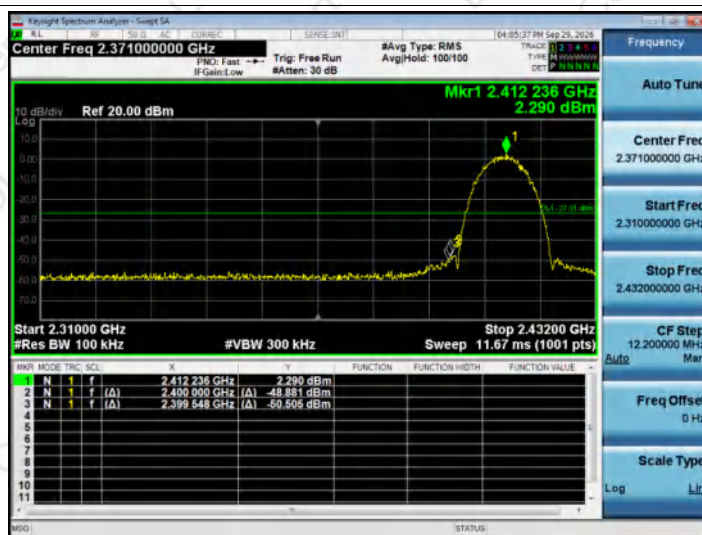
PSD NVNT n40 2452MHz Ant1

**6. Band Edge**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.49	-30	Pass
NVNT	b	2462	Ant1	-58.94	-30	Pass
NVNT	g	2412	Ant1	-43.59	-30	Pass
NVNT	g	2462	Ant1	-50.72	-30	Pass
NVNT	n20	2412	Ant1	-42.09	-30	Pass
NVNT	n20	2462	Ant1	-50.97	-30	Pass
NVNT	n40	2422	Ant1	-30.32	-30	Pass
NVNT	n40	2452	Ant1	-34.75	-30	Pass



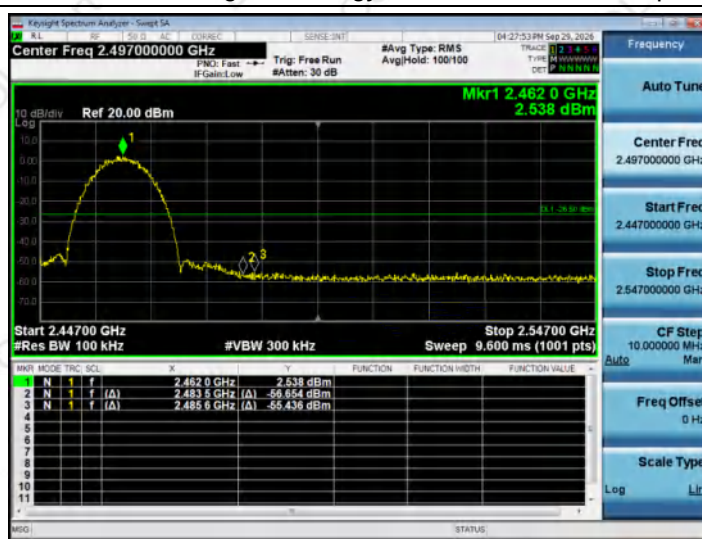
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



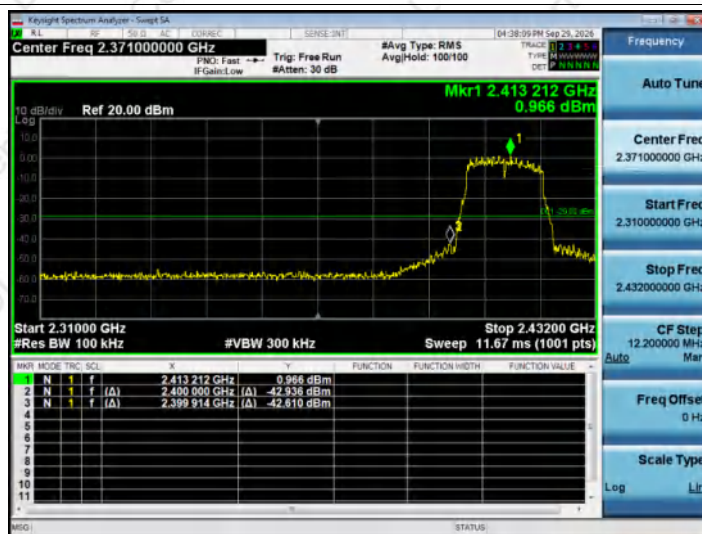
Band Edge NVNT b 2462MHz Ant1 Ref



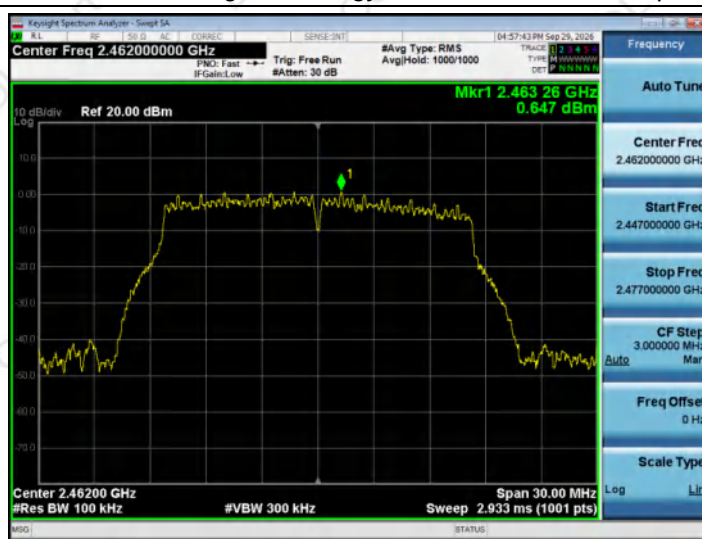
Band Edge NVNT b 2462MHz Ant1 Emission



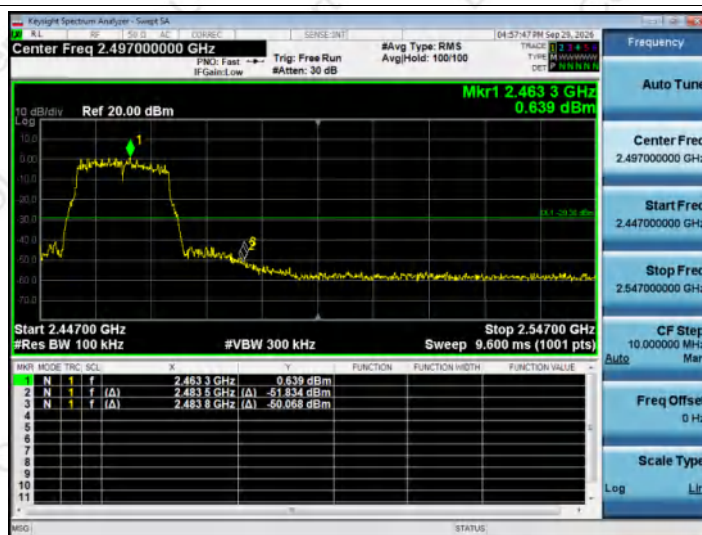
Band Edge NVNT g 2412MHz Ant1 Ref



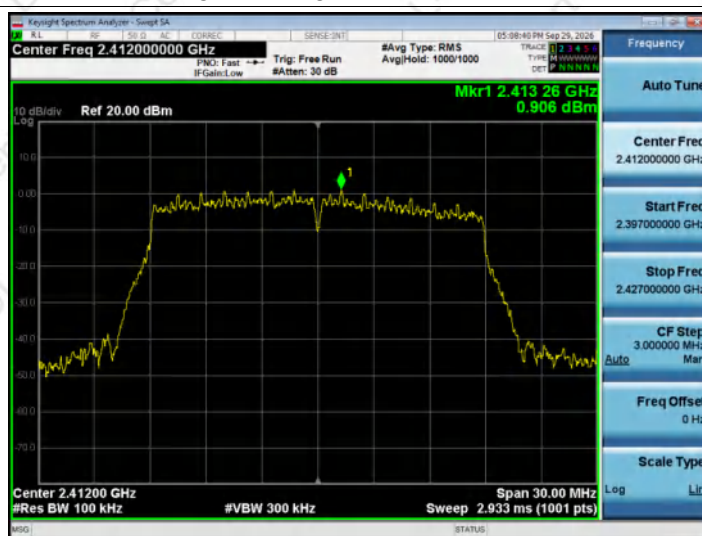
Band Edge NVNT g 2412MHz Ant1 Emission



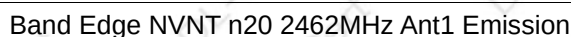
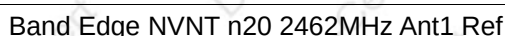
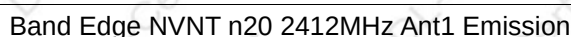
Band Edge NVNT g 2462MHz Ant1 Ref

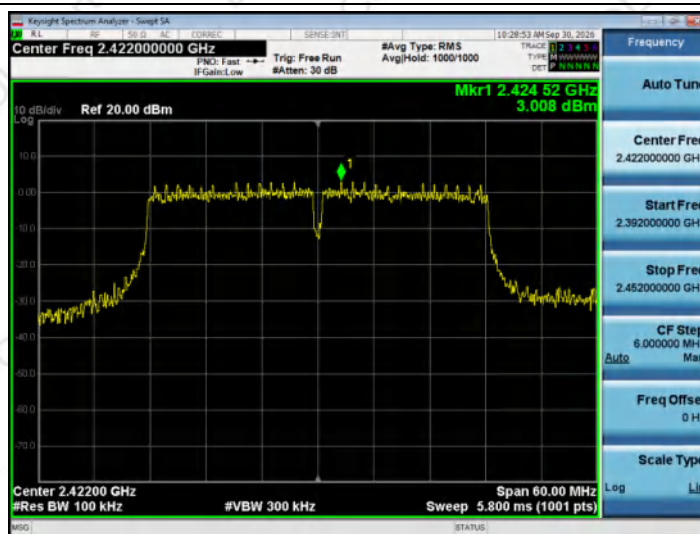


Band Edge NVNT g 2462MHz Ant1 Emission

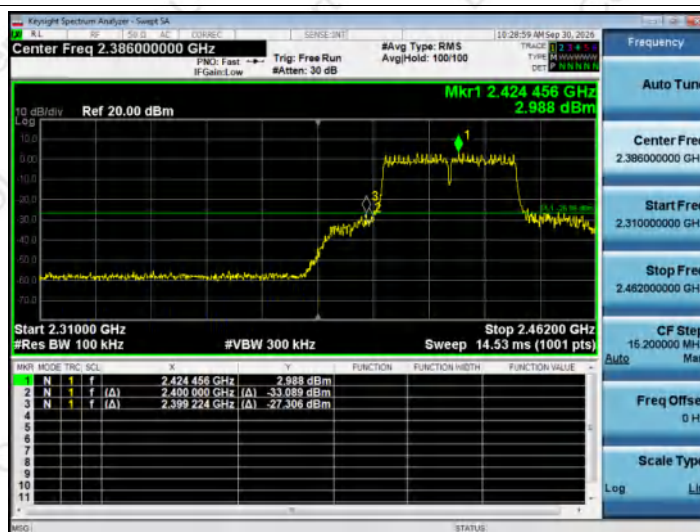


Band Edge NVNT n20 2412MHz Ant1 Ref

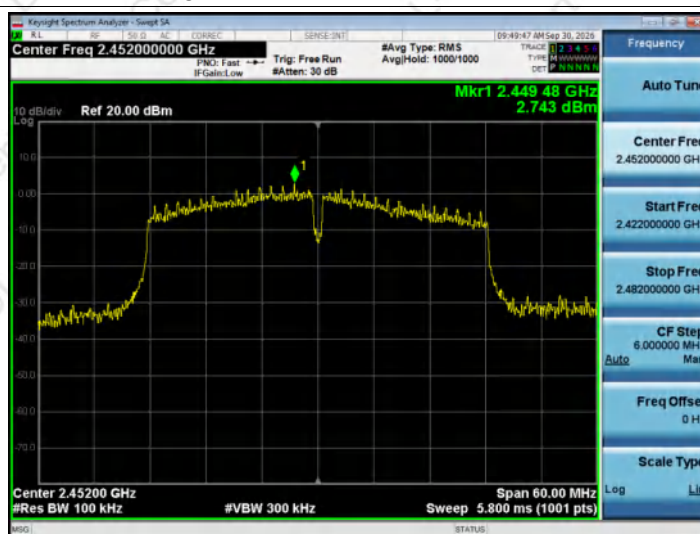




Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



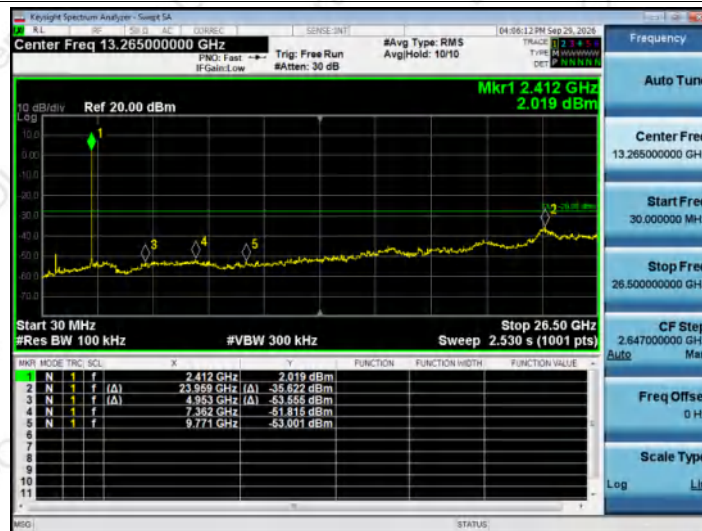
Band Edge NVNT n40 2452MHz Ant1 Emission

**7. Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.54	-30	Pass
NVNT	b	2437	Ant1	-38.15	-30	Pass
NVNT	b	2462	Ant1	-37.11	-30	Pass
NVNT	g	2412	Ant1	-37.58	-30	Pass
NVNT	g	2437	Ant1	-38.42	-30	Pass
NVNT	g	2462	Ant1	-35.38	-30	Pass
NVNT	n20	2412	Ant1	-37.12	-30	Pass
NVNT	n20	2437	Ant1	-38.6	-30	Pass
NVNT	n20	2462	Ant1	-36.57	-30	Pass
NVNT	n40	2422	Ant1	-38.81	-30	Pass
NVNT	n40	2437	Ant1	-39.17	-30	Pass
NVNT	n40	2452	Ant1	-38.05	-30	Pass



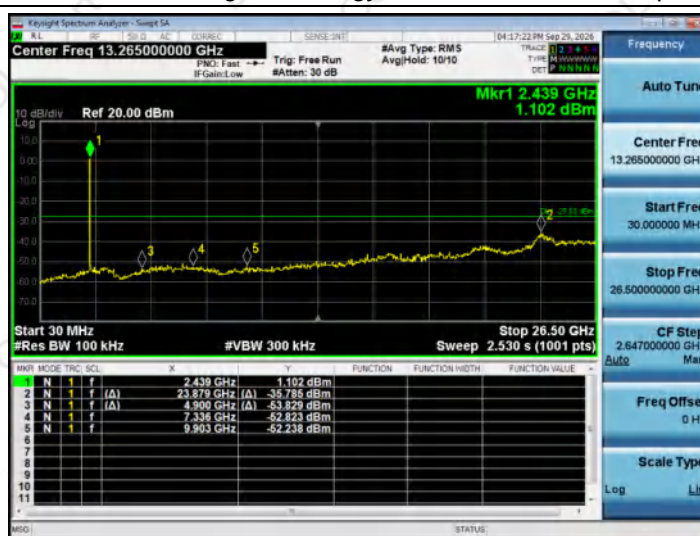
Tx. Spurious NVNT b 2412MHz Ant1 Ref



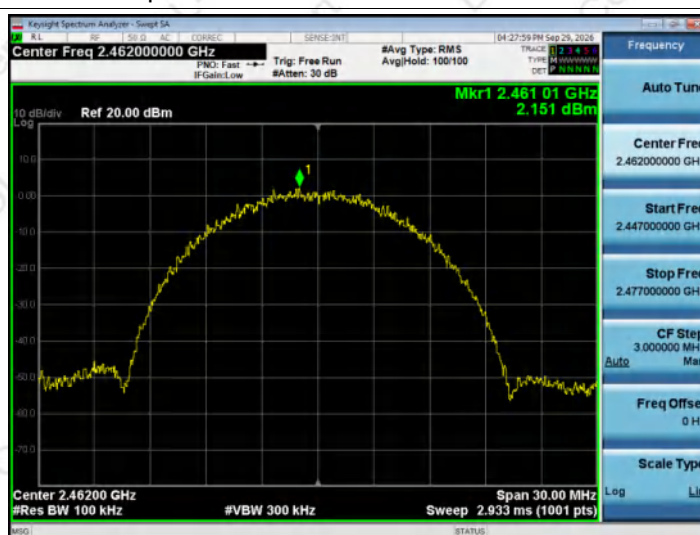
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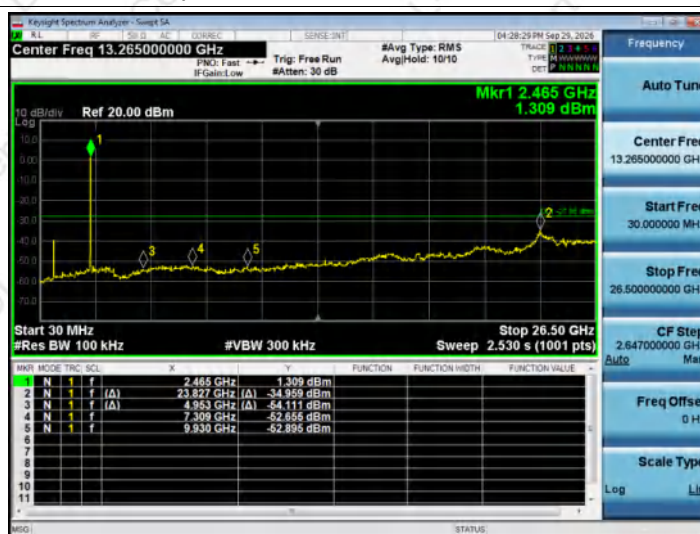
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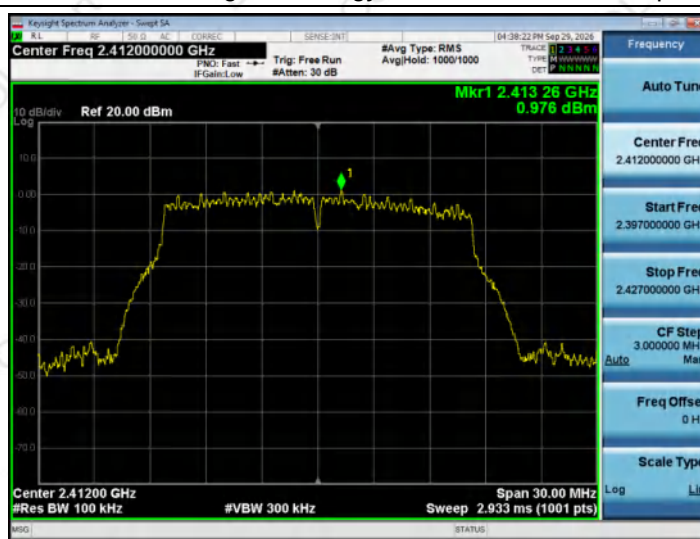
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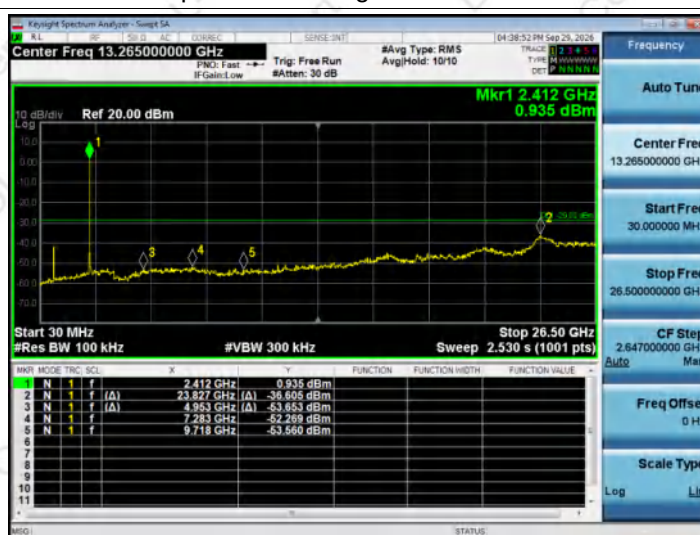
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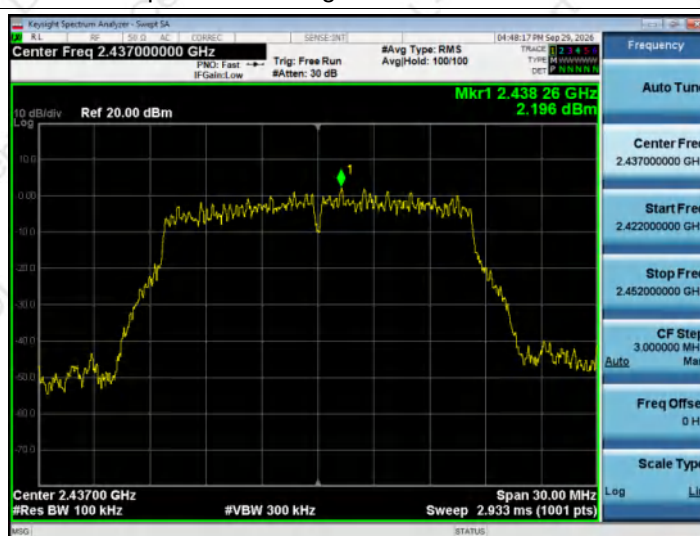
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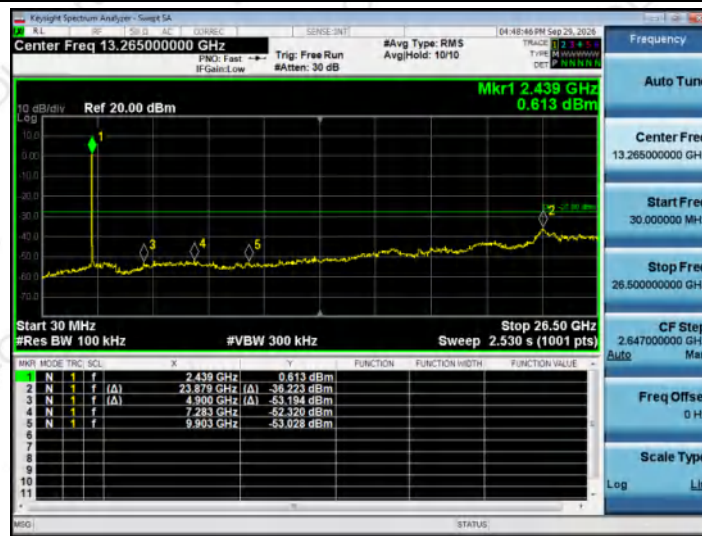
Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



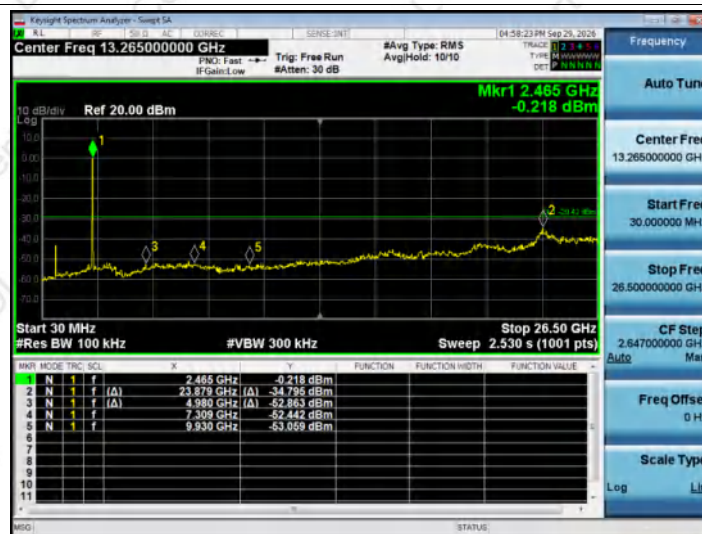
Tx. Spurious NVNT g 2437MHz Ant1 Ref



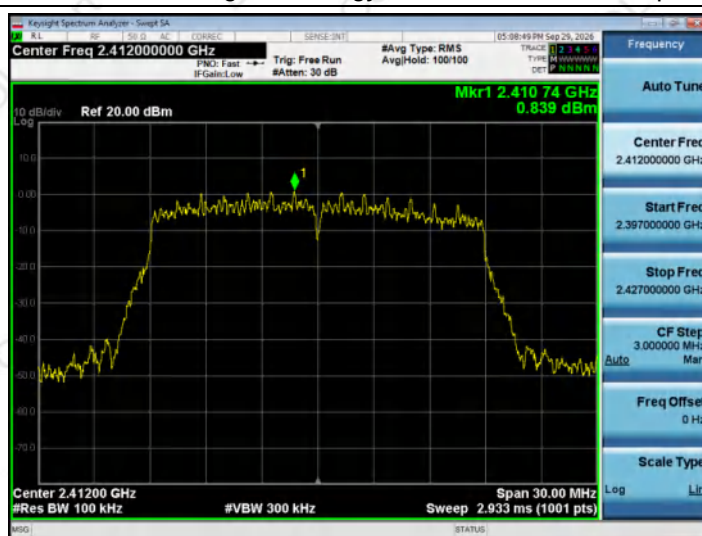
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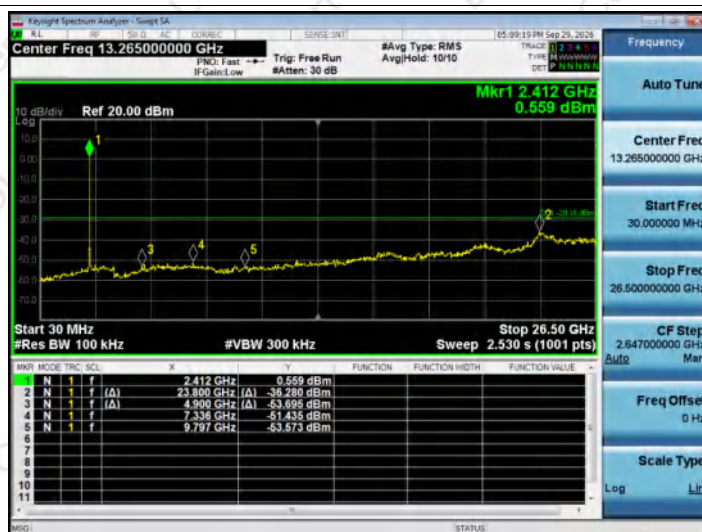
Tx. Spurious NVNT g 2462MHz Ant1 Ref



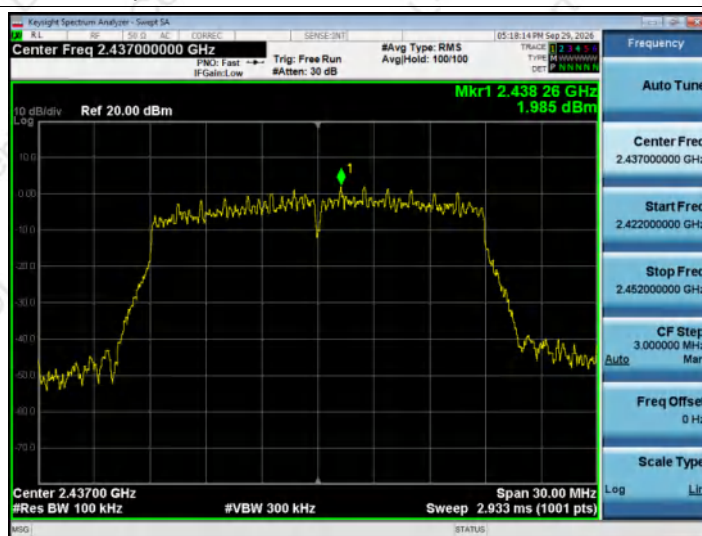
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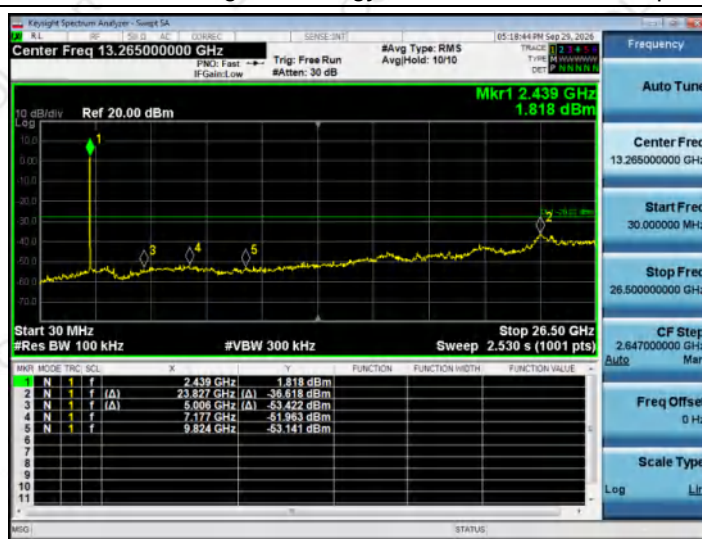
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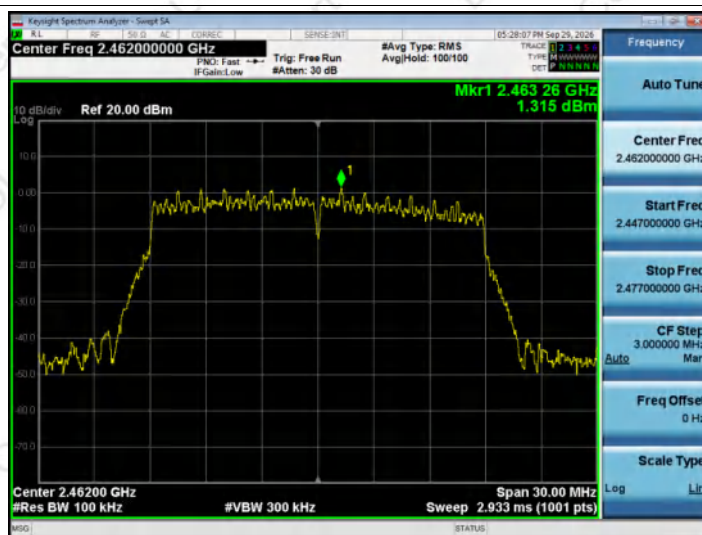
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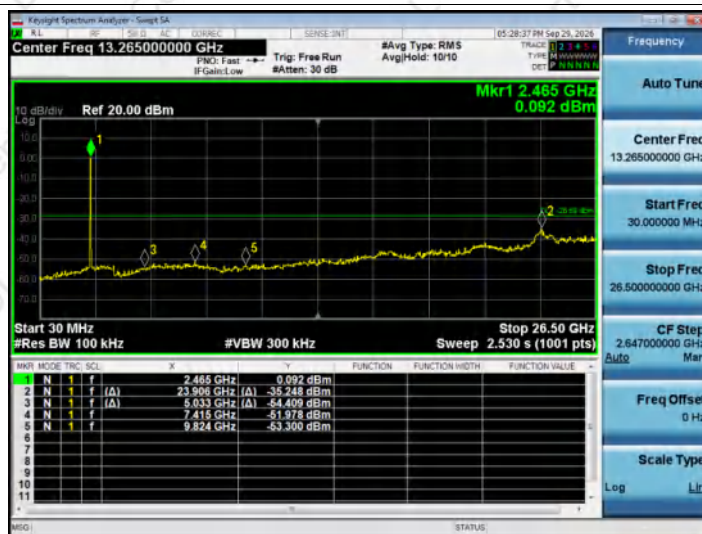
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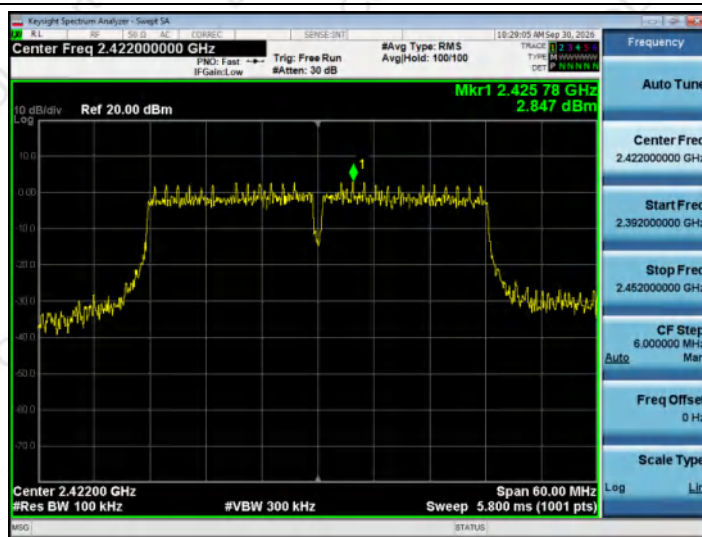
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



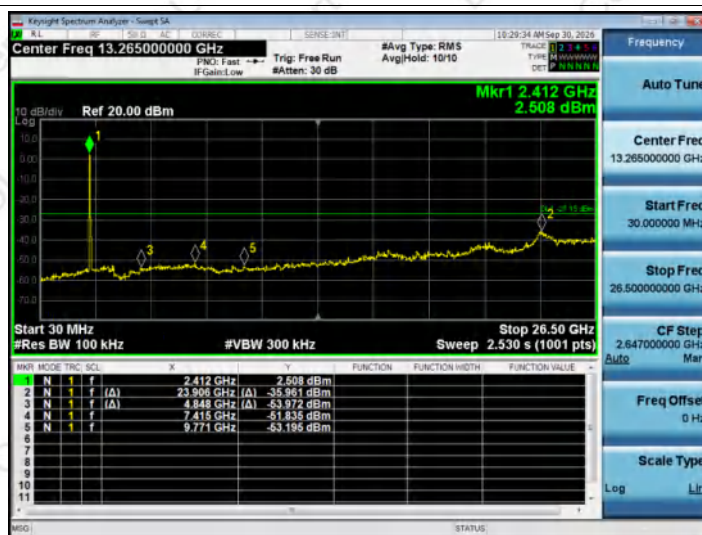
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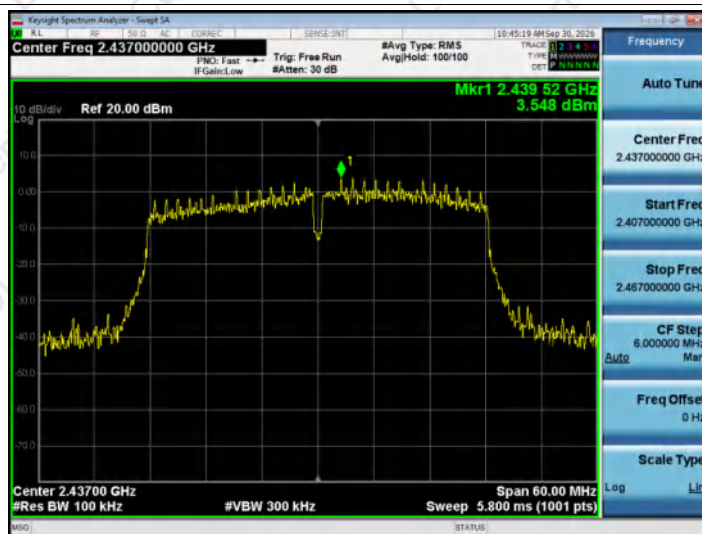
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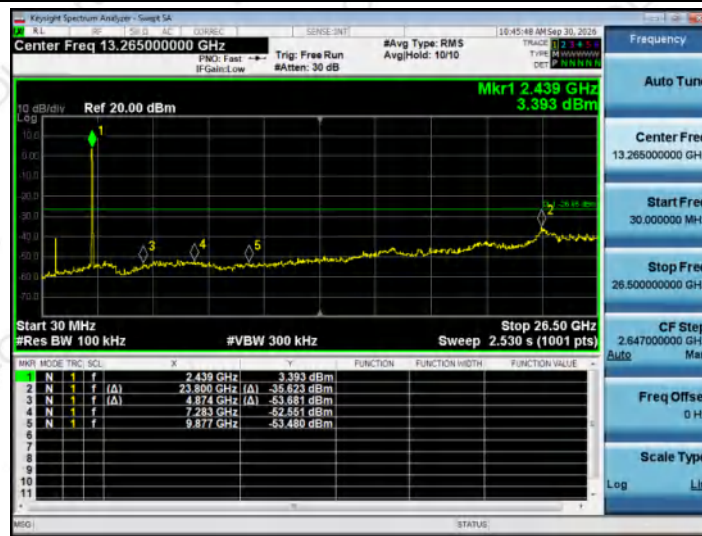
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



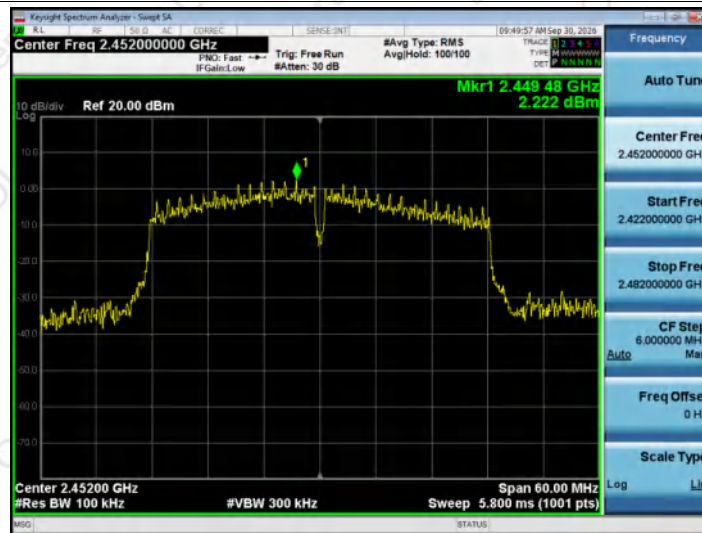
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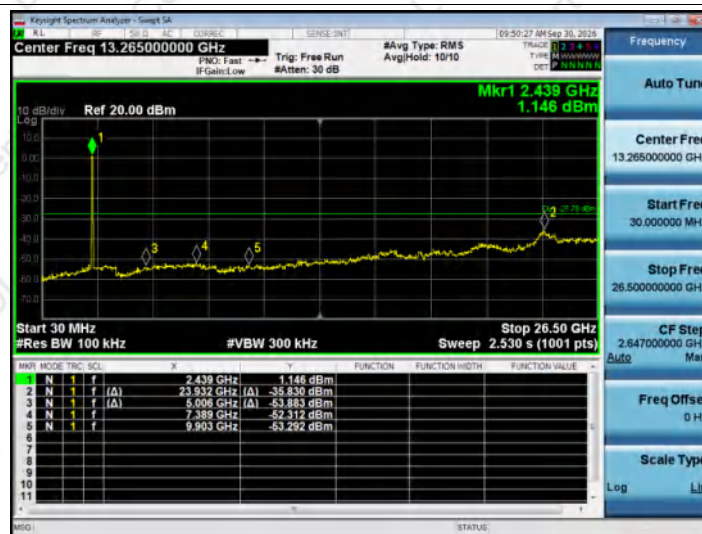
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission