



ANNEX 1 TEST DATA

FCC ID:2BVRH-Y02

Applicant: Chengdu Yingmiao Zhihui Education Technology Co., Ltd.

Address: No.12, Building 1, No.66 Pingdong Road, Donglin Village, Deyuan Subdistrict, Pidu District, Chengdu, Sichuan Province, P.R.China

Manufacturer: Chengdu Yingmiao Zhihui Education Technology Co., Ltd.

Address: No.12, Building 1, No.66 Pingdong Road, Donglin Village, Deyuan Subdistrict, Pidu District, Chengdu, Sichuan Province, P.R.China

Product Name: Tracing Projector

Trade Mark: N/A

Model Number: Y02, Y03, Y04, LY02, LY03, LY04, LY200, LY300, LY400, S2, S3, S4, LS2, LS3, LS4, LS200, LS300, LS400

Date of Receipt: Apr. 13, 2026

Test Date: Apr. 13, 2026 - May. 13, 2026

Date of Report: May. 13, 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

Test Result: Pass

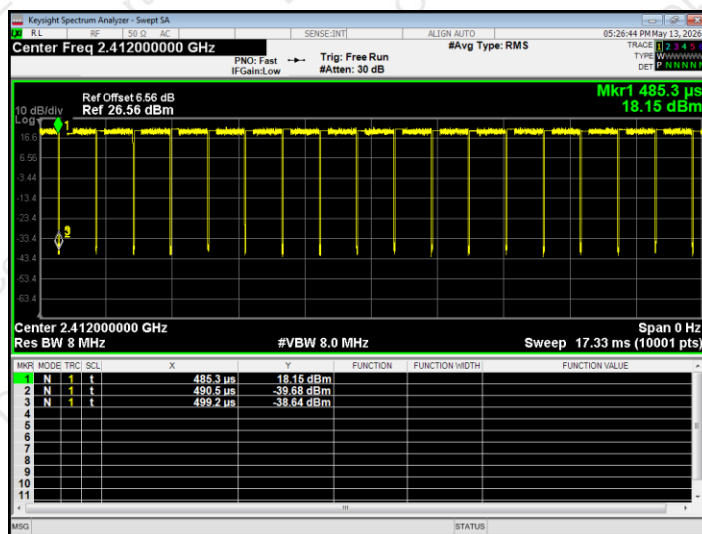


1. Duty Cycle

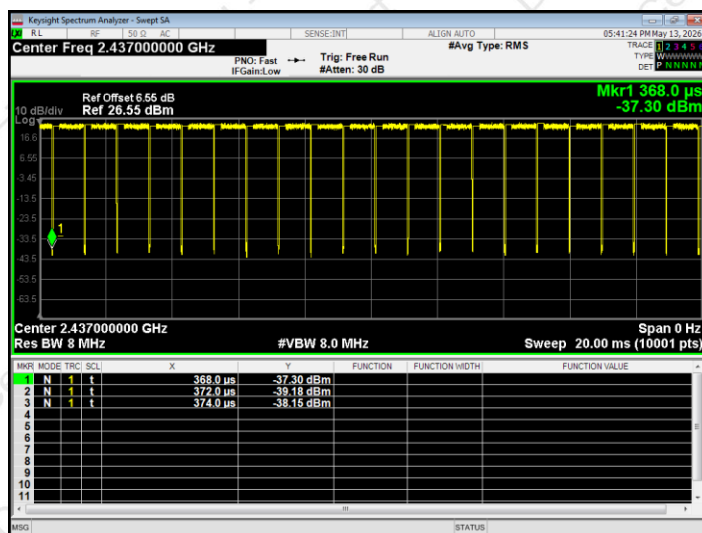
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	62.5	2.04
NVNT	b	2437	Ant1	33.33	4.77
NVNT	b	2462	Ant1	75	1.25
NVNT	g	2412	Ant1	80	0.97
NVNT	g	2437	Ant1	80	0.97
NVNT	g	2462	Ant1	80.18	0.96
NVNT	n20	2412	Ant1	96.73	0.14
NVNT	n20	2437	Ant1	96.73	0.14
NVNT	n20	2462	Ant1	96.73	0.14
NVNT	n40	2422	Ant1	93.64	0.29
NVNT	n40	2437	Ant1	93.64	0.29
NVNT	n40	2452	Ant1	93.64	0.29



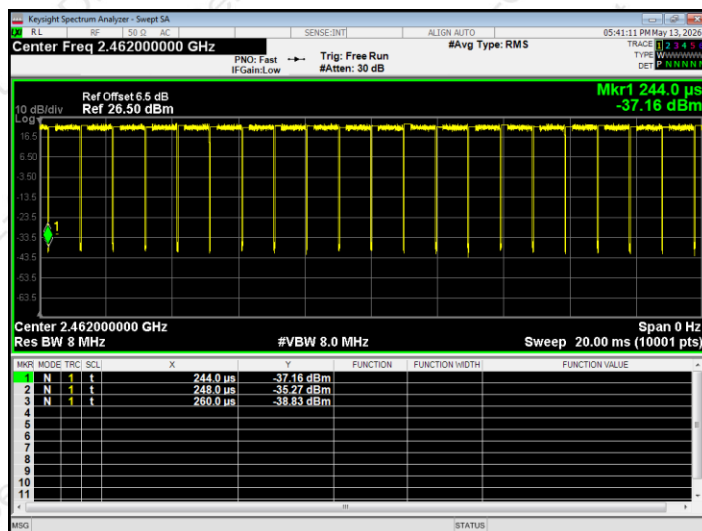
Duty Cycle NVNT b 2412MHz Ant1



Duty Cycle NVNT b 2437MHz Ant1

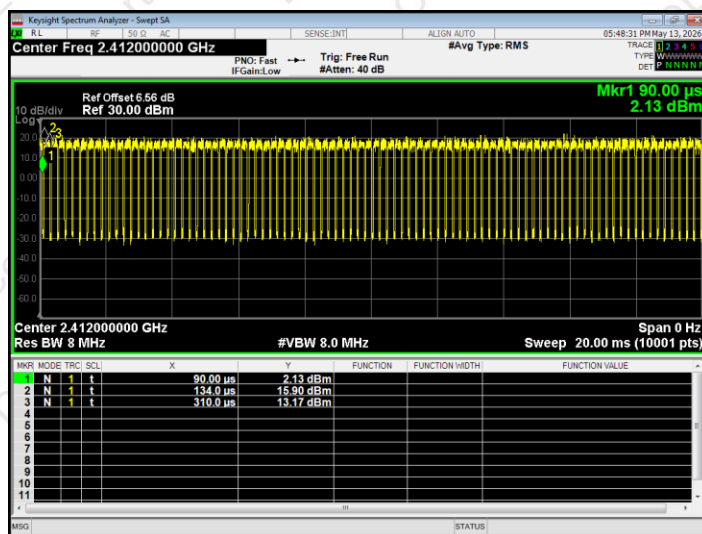


Duty Cycle NVNT b 2462MHz Ant1

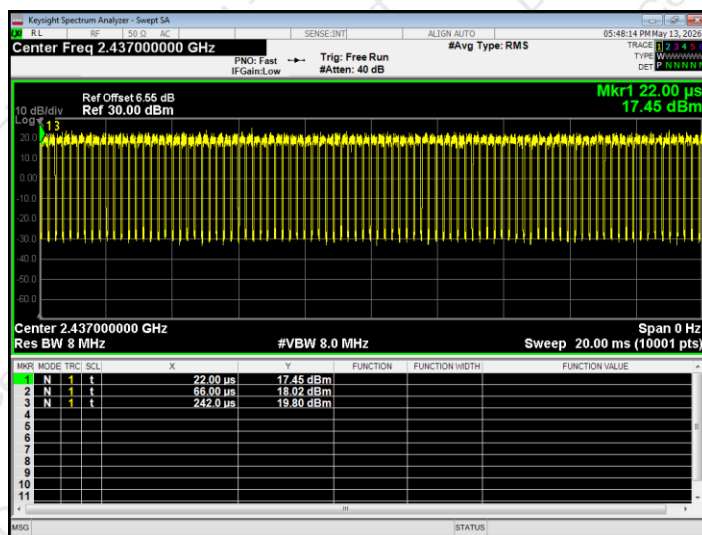




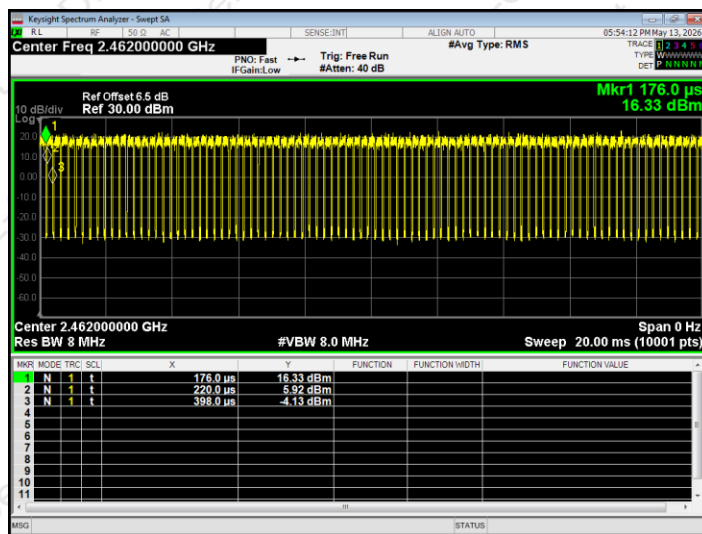
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1

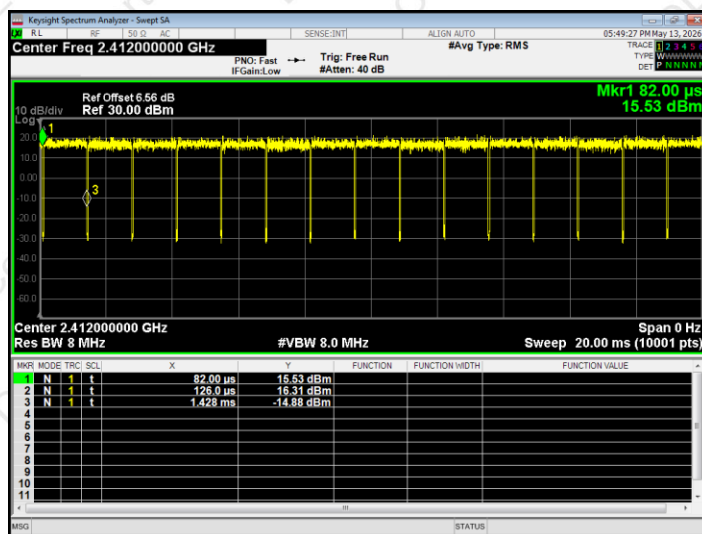


Duty Cycle NVNT g 2462MHz Ant1

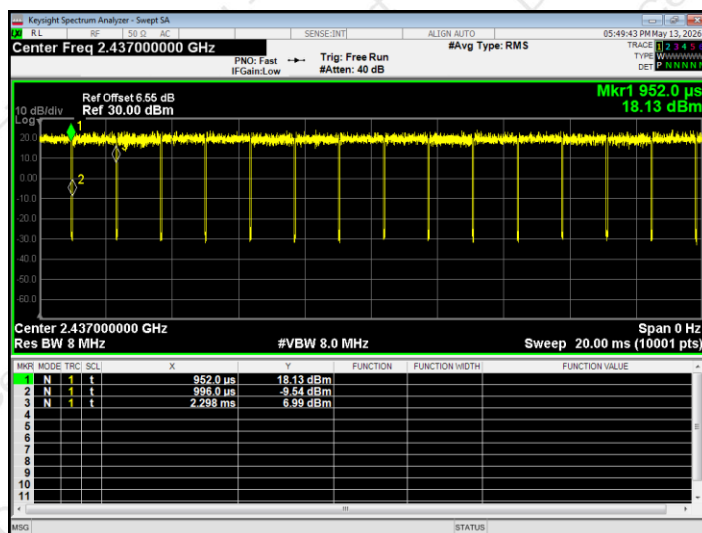




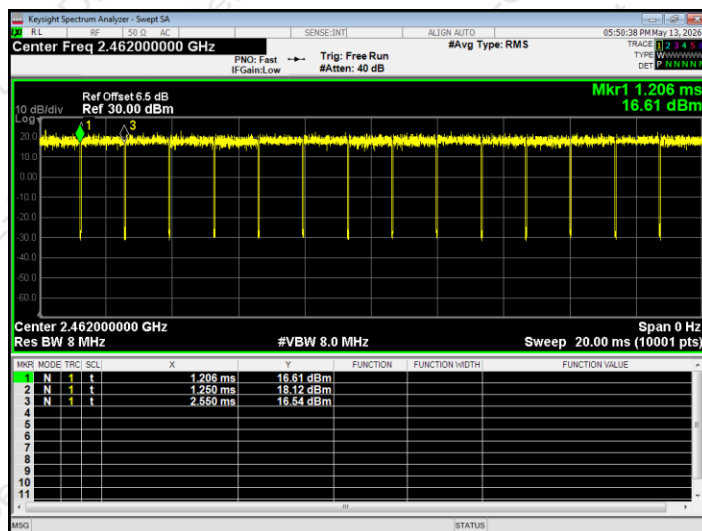
Duty Cycle NVNT n20 2412MHz Ant1



Duty Cycle NVNT n20 2437MHz Ant1

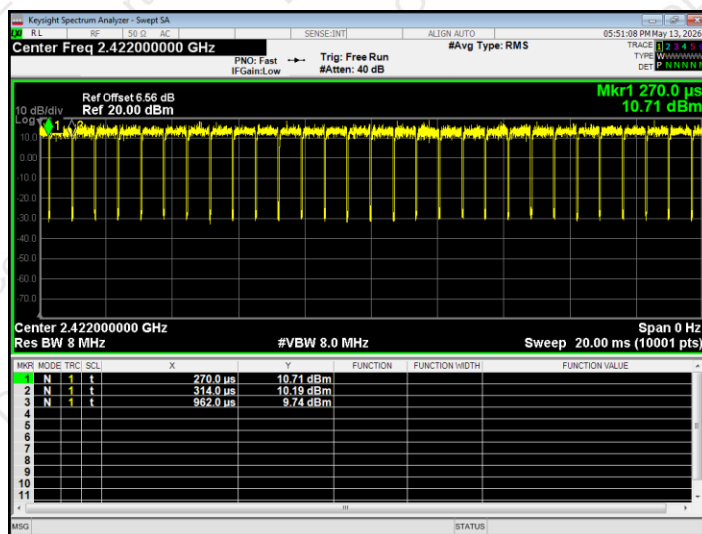


Duty Cycle NVNT n20 2462MHz Ant1

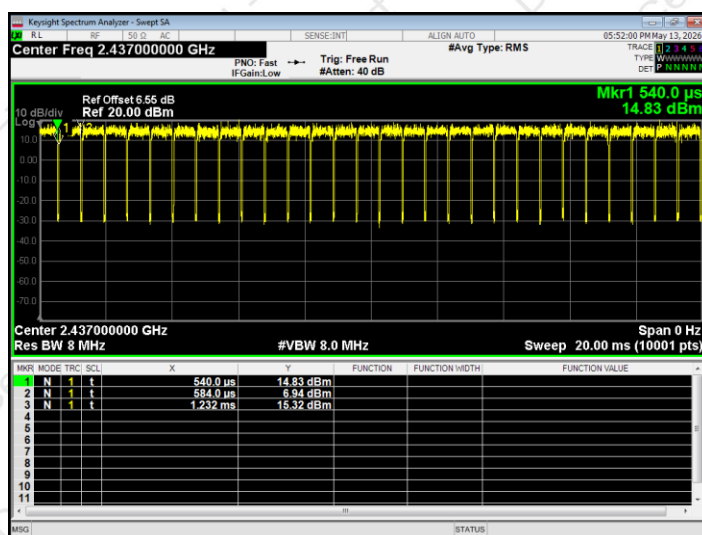




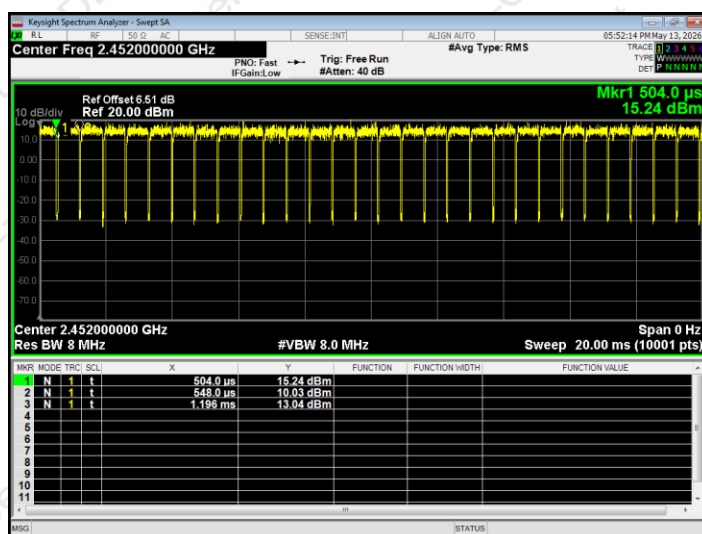
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1

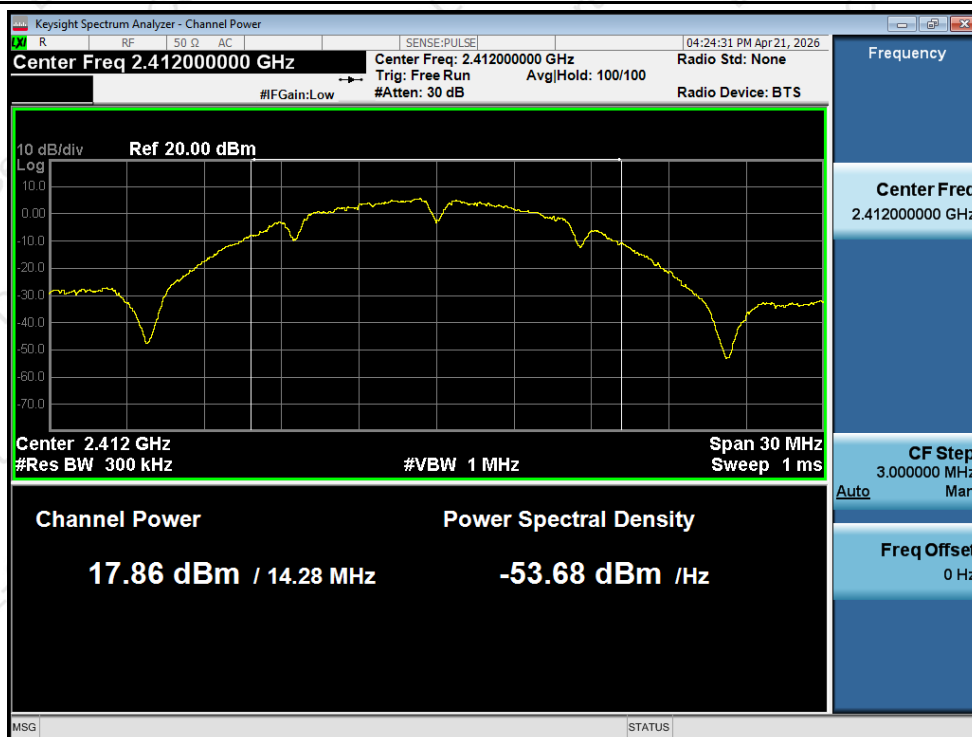


Duty Cycle NVNT n40 2452MHz Ant1

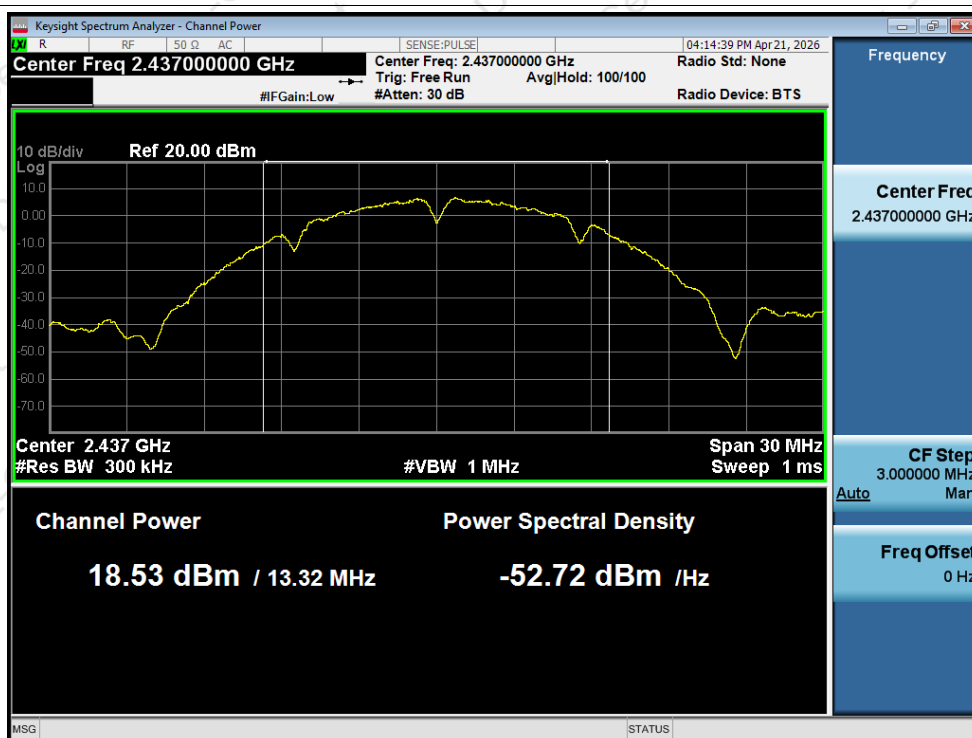


**2. Maximum Average Conducted Output Power**

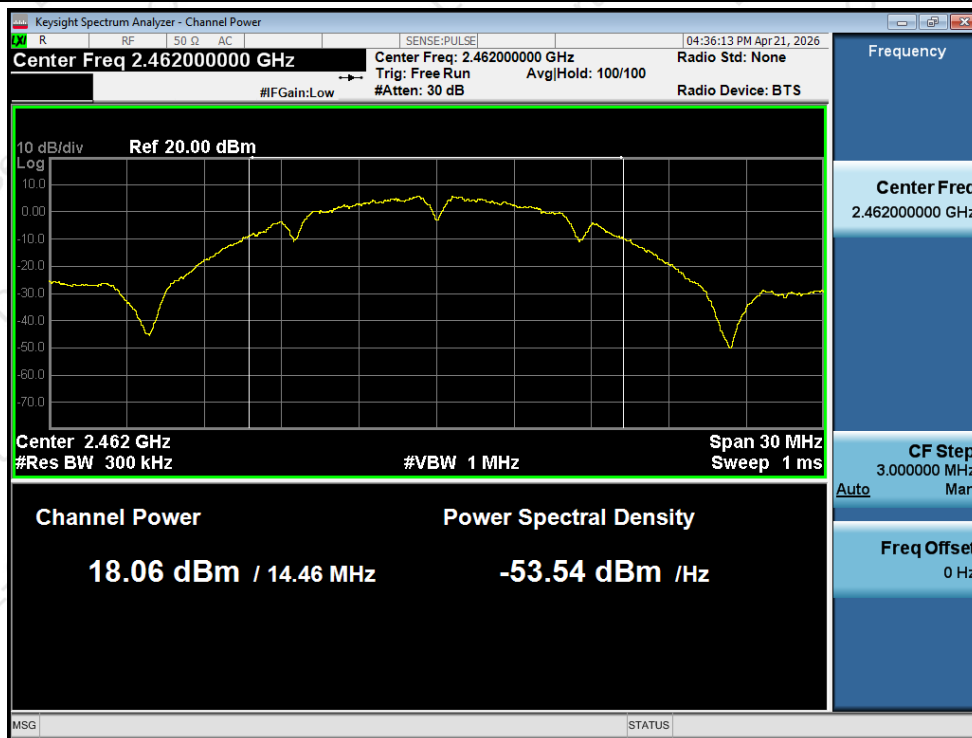
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	b	2412	Ant1	17.86	2.04	19.9	30	Pass
NVNT	b	2437	Ant1	18.53	4.77	23.3	30	Pass
NVNT	b	2462	Ant1	18.06	1.25	19.31	30	Pass
NVNT	g	2412	Ant1	15.25	0.97	16.22	30	Pass
NVNT	g	2437	Ant1	15.81	0.97	16.78	30	Pass
NVNT	g	2462	Ant1	15.42	0.96	16.38	30	Pass
NVNT	n20	2412	Ant1	14.67	0.14	14.81	30	Pass
NVNT	n20	2437	Ant1	15.33	0.14	15.47	30	Pass
NVNT	n20	2462	Ant1	15.04	0.14	15.18	30	Pass
NVNT	n40	2422	Ant1	12.7	0.29	12.99	30	Pass
NVNT	n40	2437	Ant1	13.21	0.29	13.5	30	Pass
NVNT	n40	2452	Ant1	13.06	0.29	13.35	30	Pass



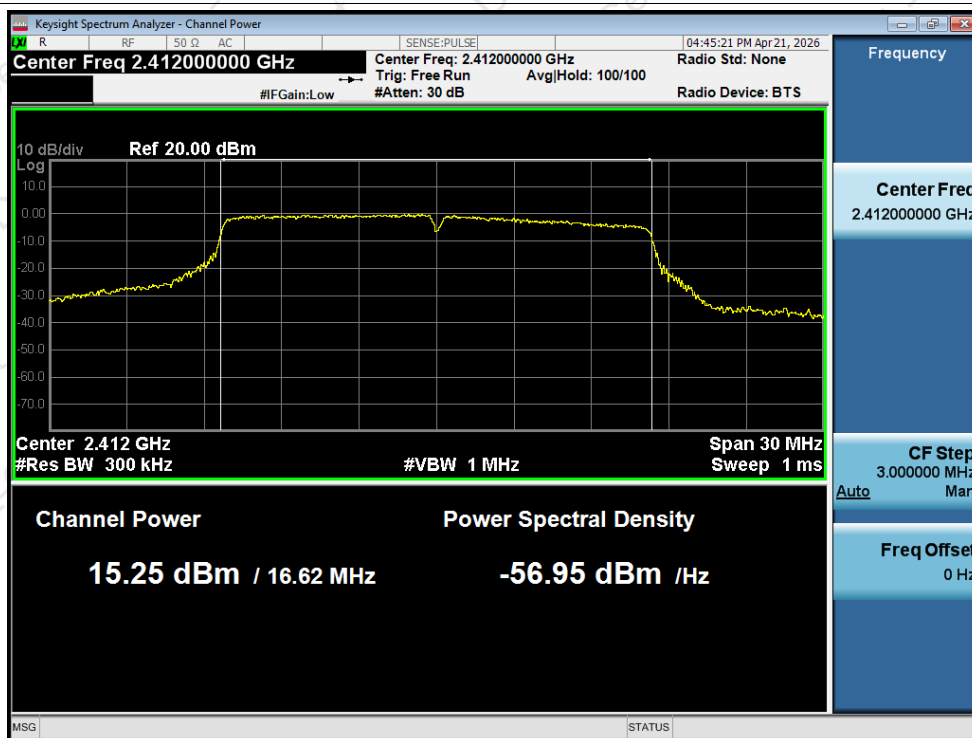
Average Power NVNT b 2412MHz Ant1



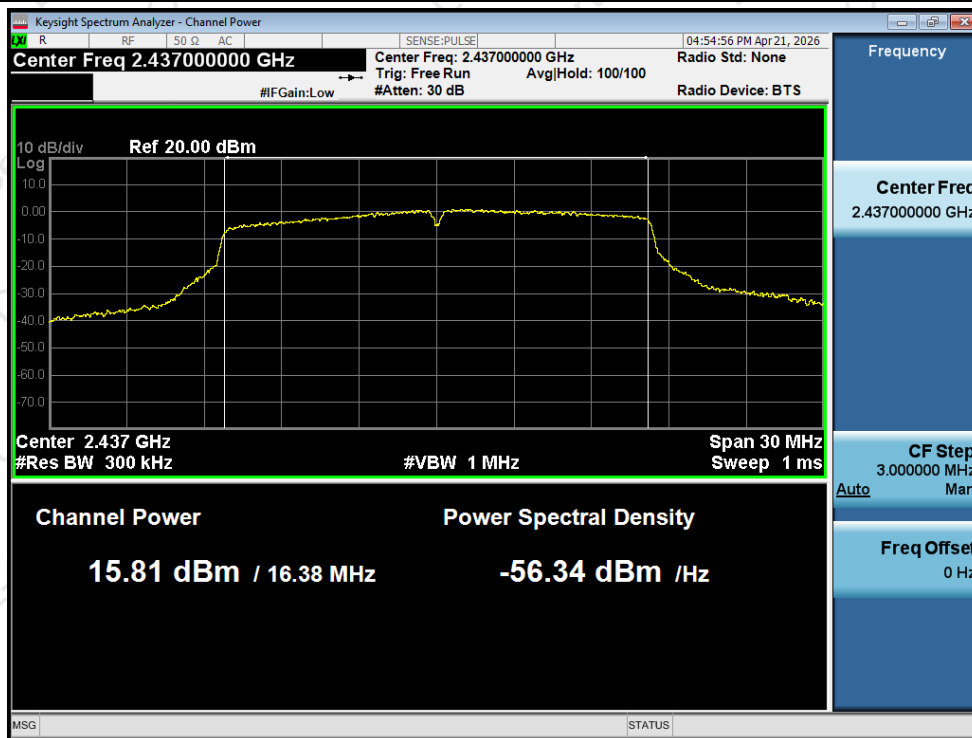
Average Power NVNT b 2437MHz Ant1



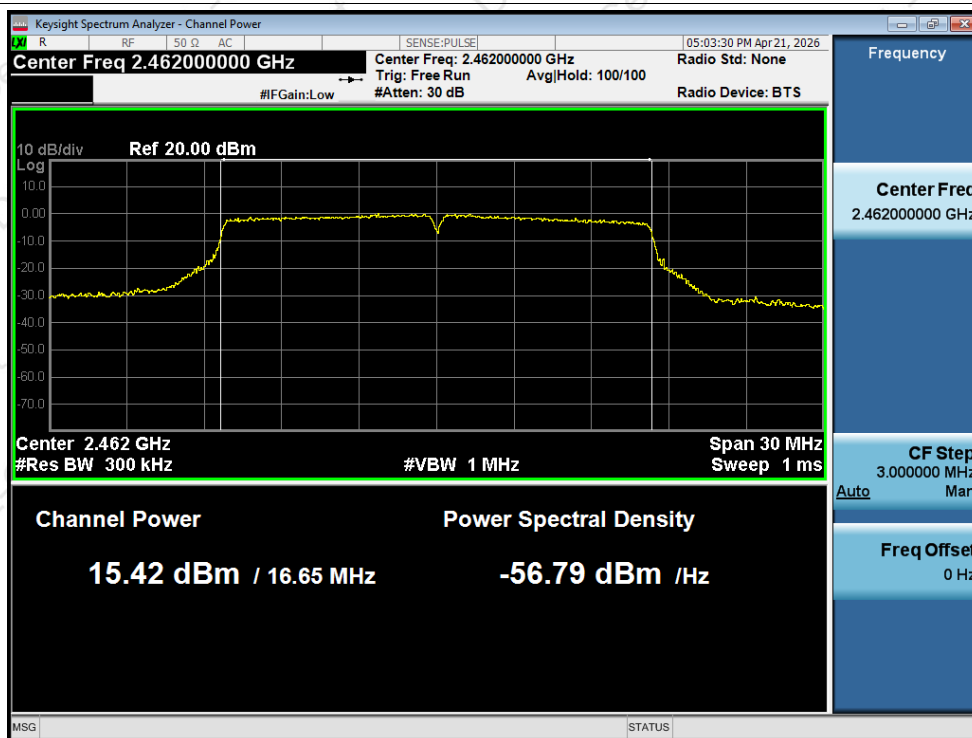
Average Power NVNT b 2462MHz Ant1



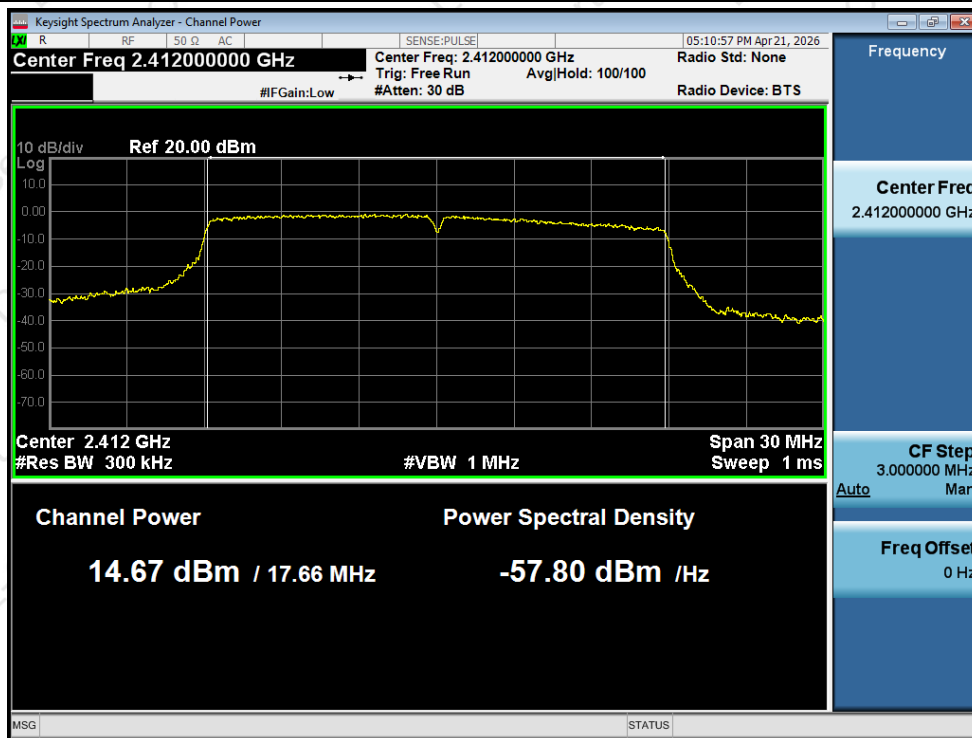
Average Power NVNT g 2412MHz Ant1



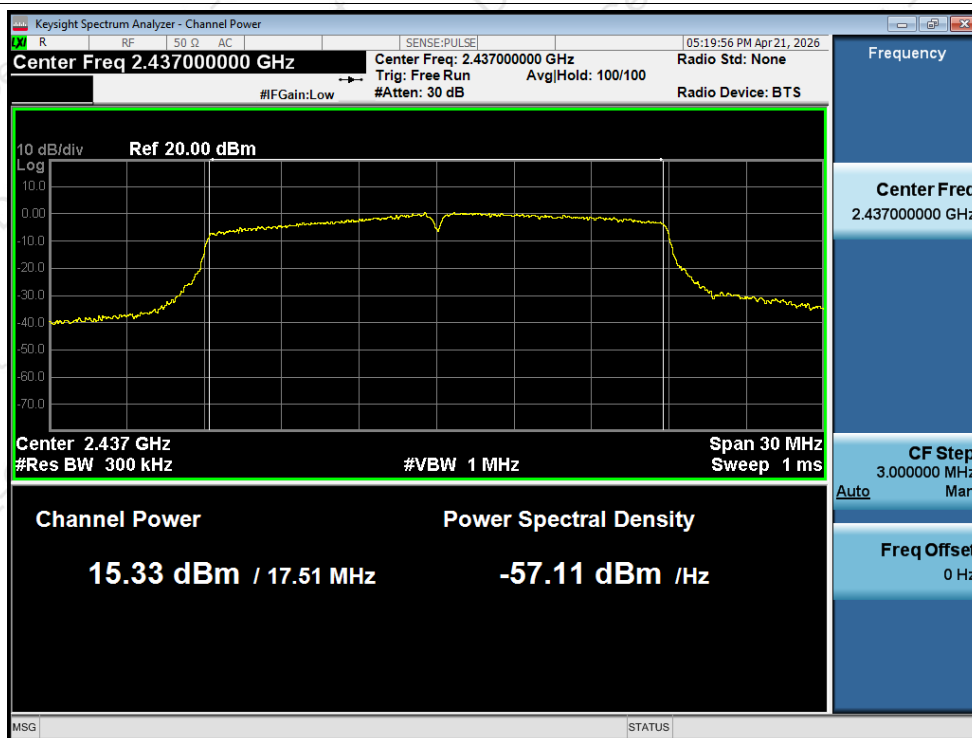
Average Power NVNT g 2437MHz Ant1



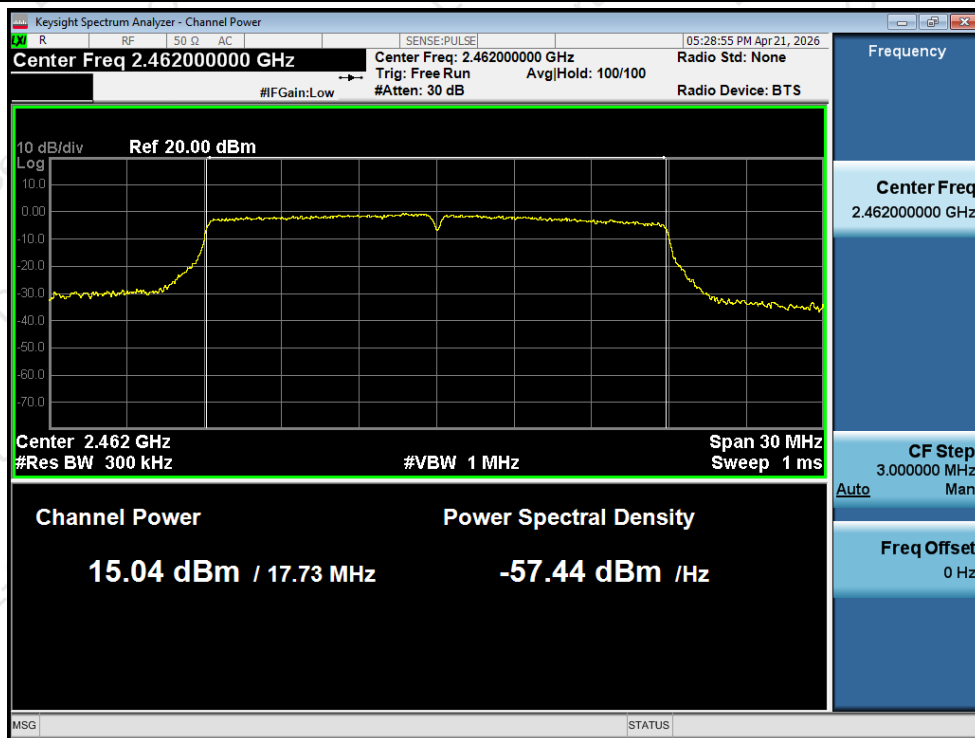
Average Power NVNT g 2462MHz Ant1



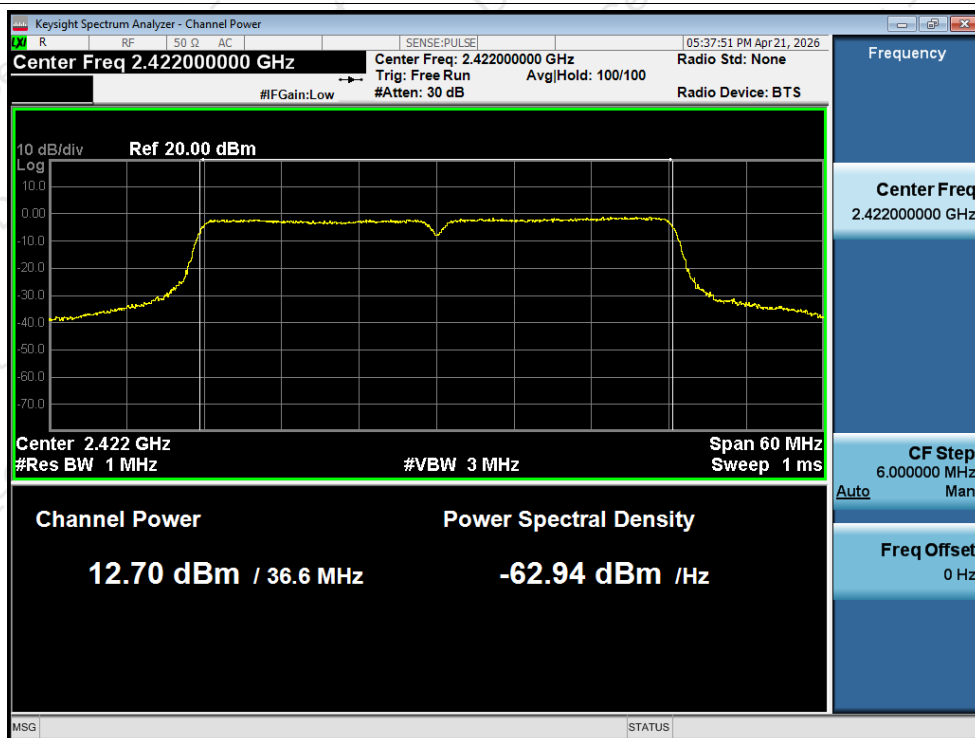
Average Power NVNT n20 2412MHz Ant1



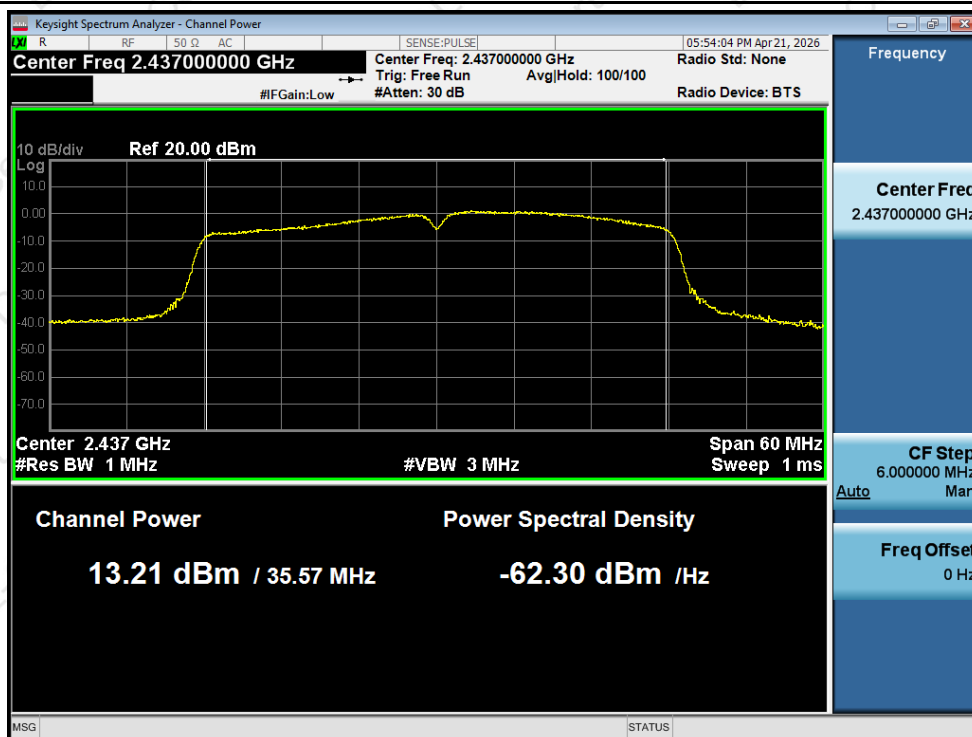
Average Power NVNT n20 2437MHz Ant1



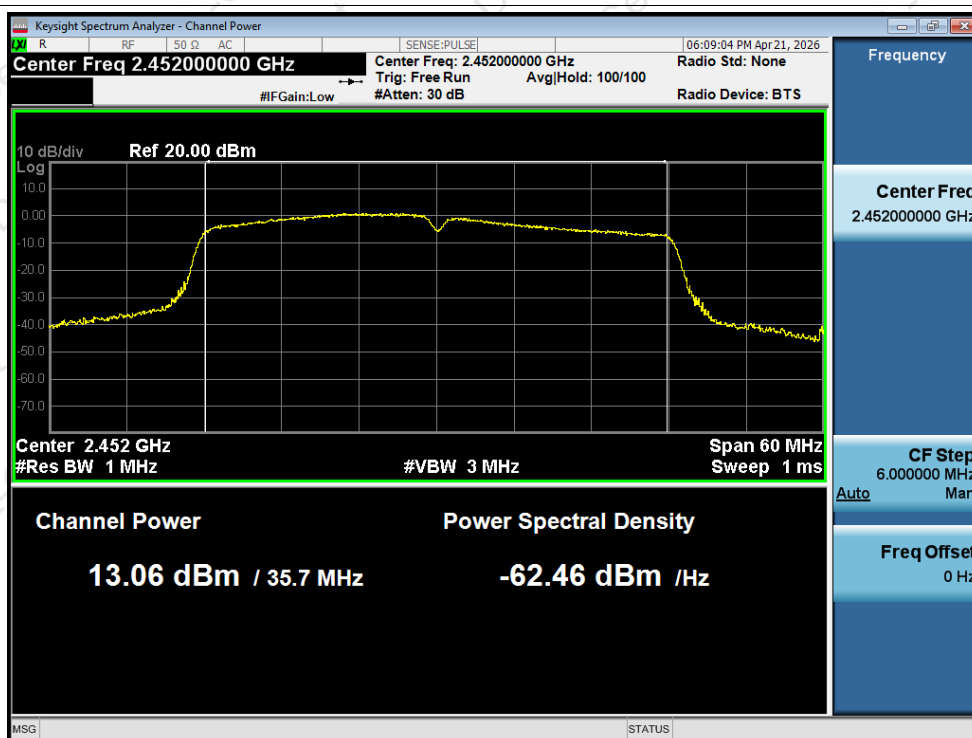
Average Power NVNT n20 2462MHz Ant1



Average Power NVNT n40 2422MHz Ant1



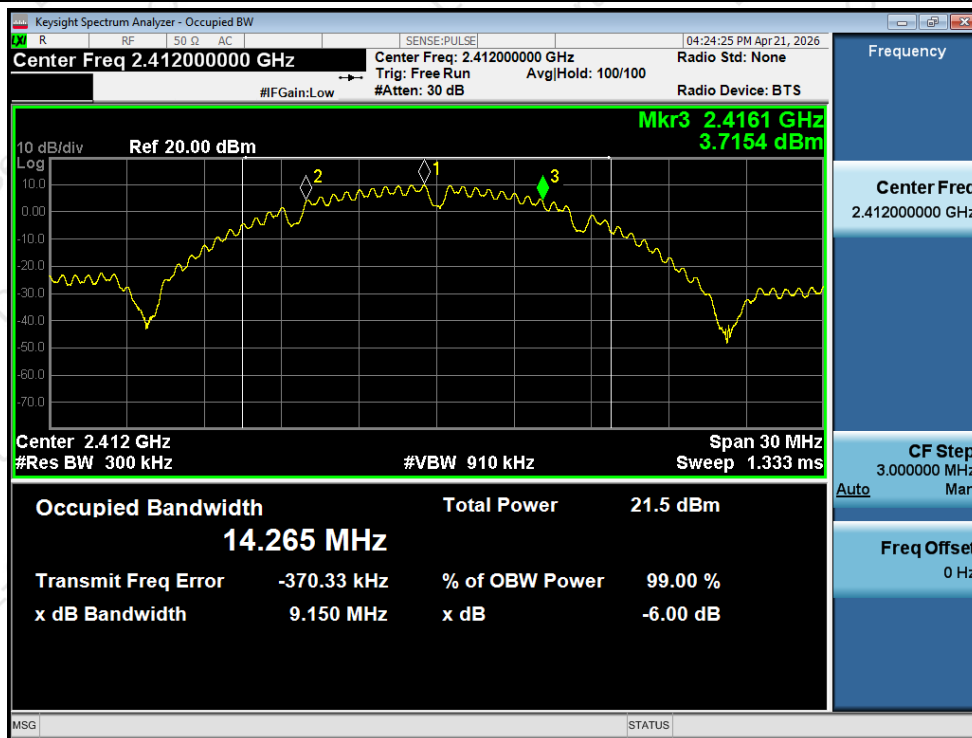
Average Power NVNT n40 2437MHz Ant1



Average Power NVNT n40 2452MHz Ant1

**3. -6dB Bandwidth**

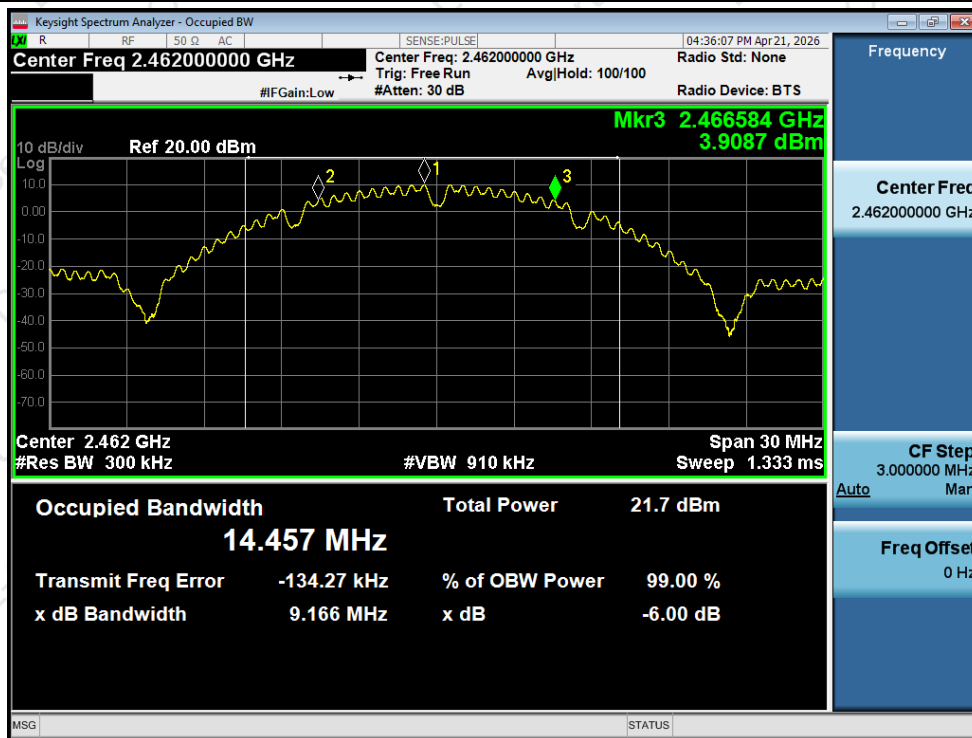
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.15	0.5	Pass
NVNT	b	2437	Ant1	8.575	0.5	Pass
NVNT	b	2462	Ant1	9.166	0.5	Pass
NVNT	g	2412	Ant1	15.88	0.5	Pass
NVNT	g	2437	Ant1	14.47	0.5	Pass
NVNT	g	2462	Ant1	16.25	0.5	Pass
NVNT	n20	2412	Ant1	17.11	0.5	Pass
NVNT	n20	2437	Ant1	16	0.5	Pass
NVNT	n20	2462	Ant1	17.57	0.5	Pass
NVNT	n40	2422	Ant1	36.55	0.5	Pass
NVNT	n40	2437	Ant1	25.65	0.5	Pass
NVNT	n40	2452	Ant1	26.71	0.5	Pass



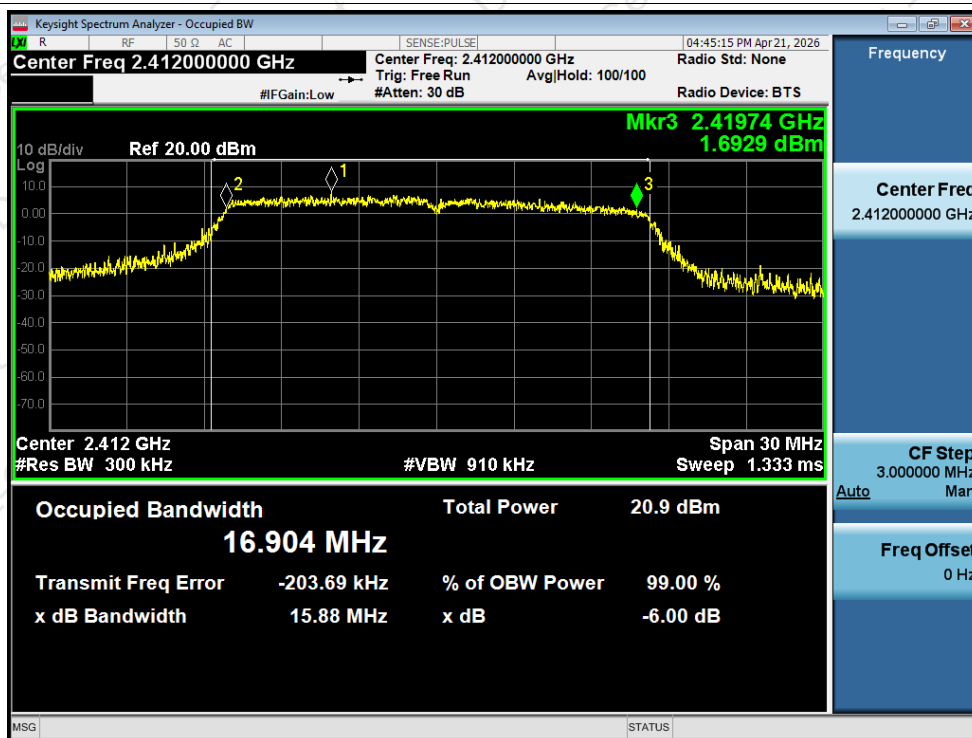
-6dB Bandwidth NVNT b 2412MHz Ant1



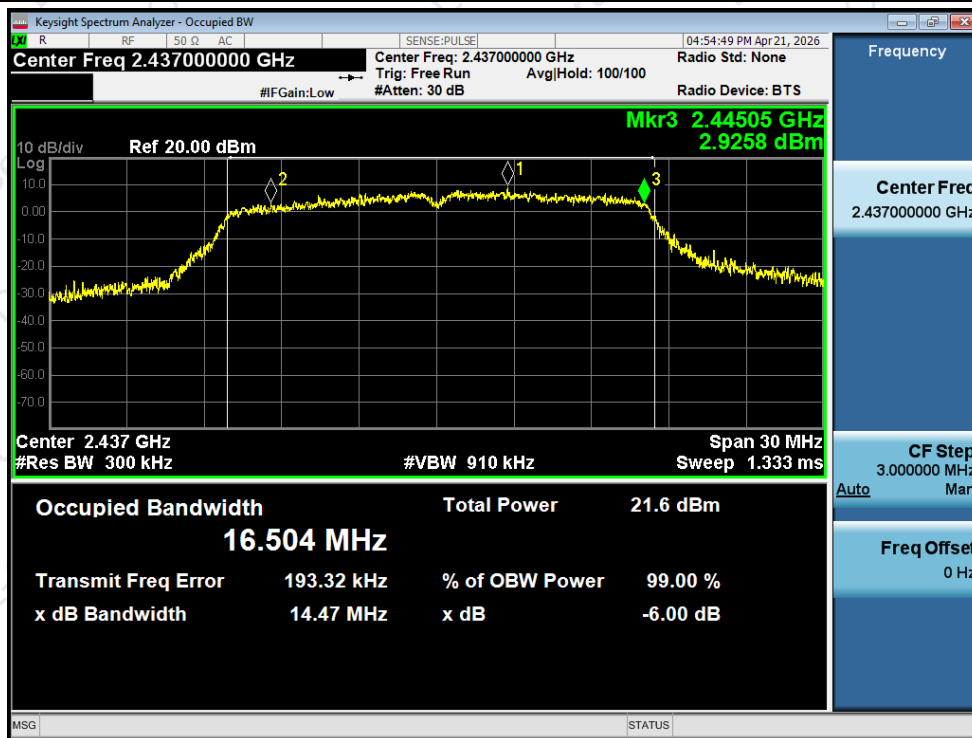
-6dB Bandwidth NVNT b 2437MHz Ant1



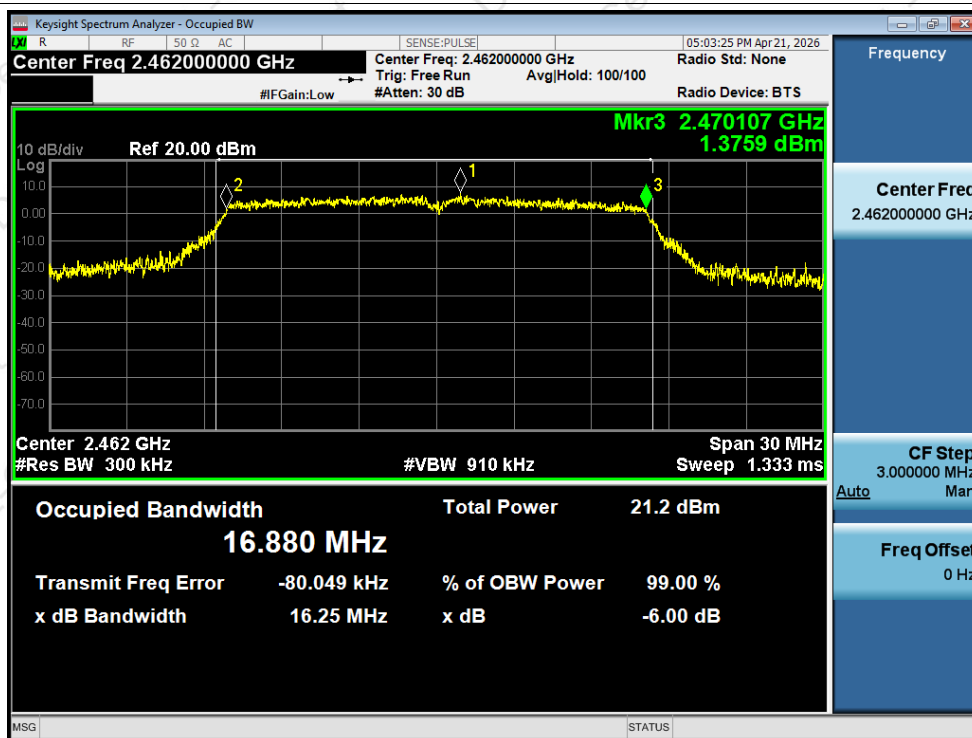
-6dB Bandwidth NVNT b 2462MHz Ant1



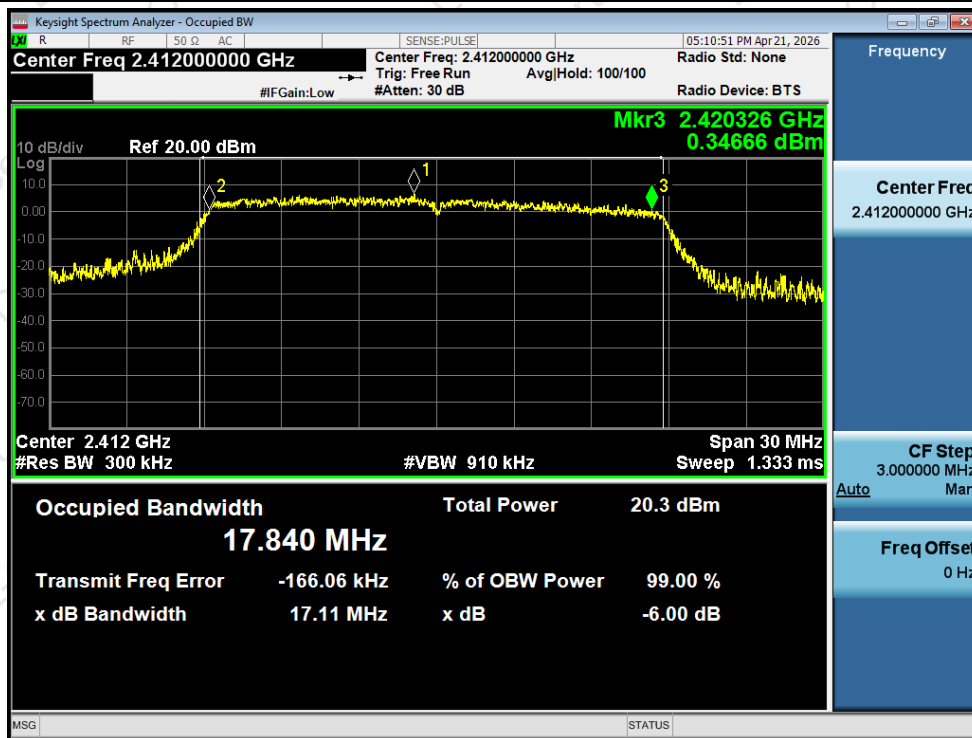
-6dB Bandwidth NVNT g 2412MHz Ant1



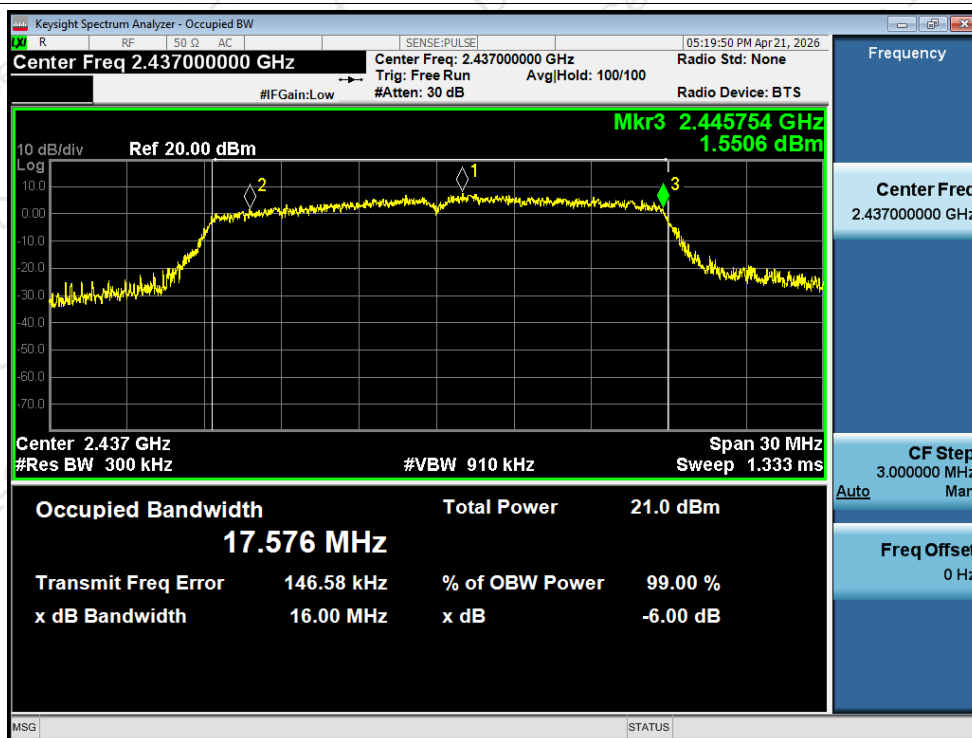
-6dB Bandwidth NVNT g 2437MHz Ant1



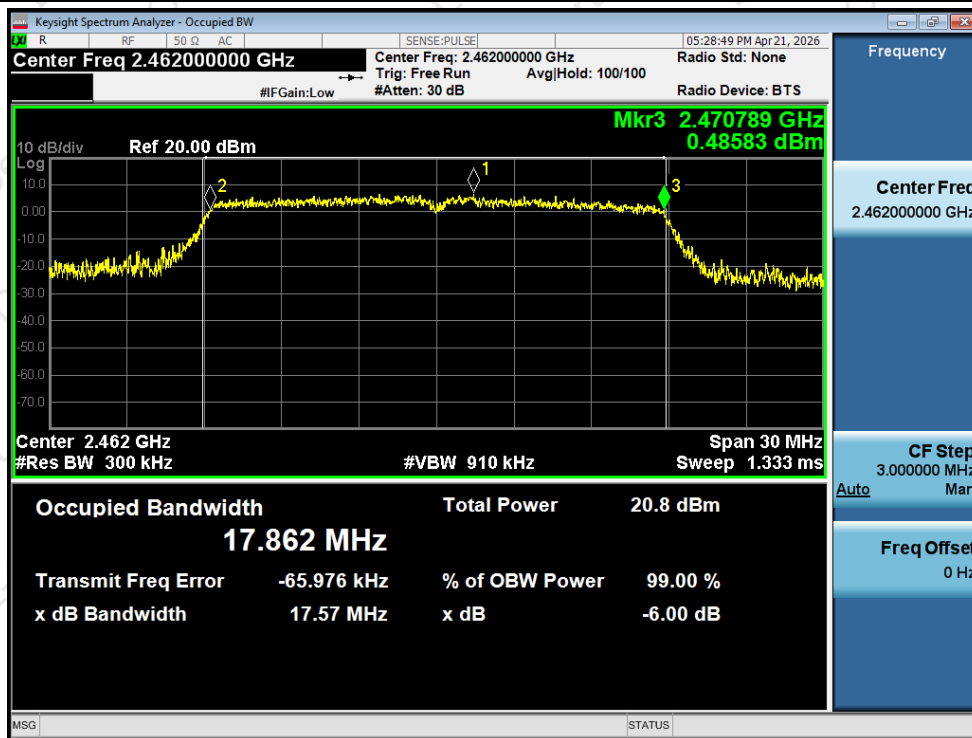
-6dB Bandwidth NVNT g 2462MHz Ant1



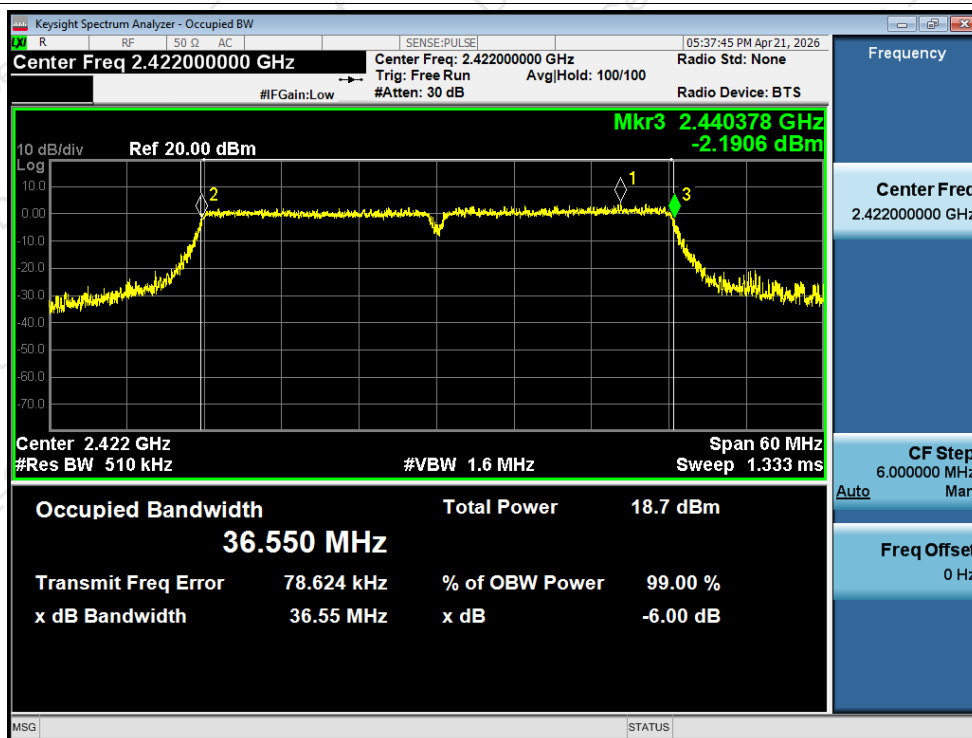
-6dB Bandwidth NVNT n20 2412MHz Ant1



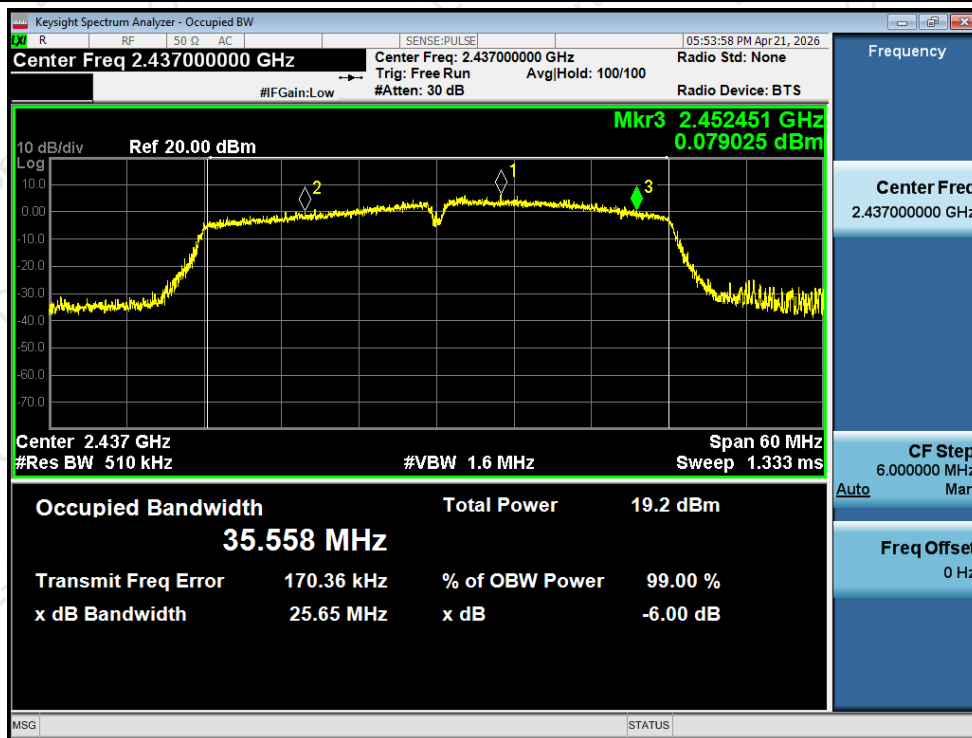
-6dB Bandwidth NVNT n20 2437MHz Ant1



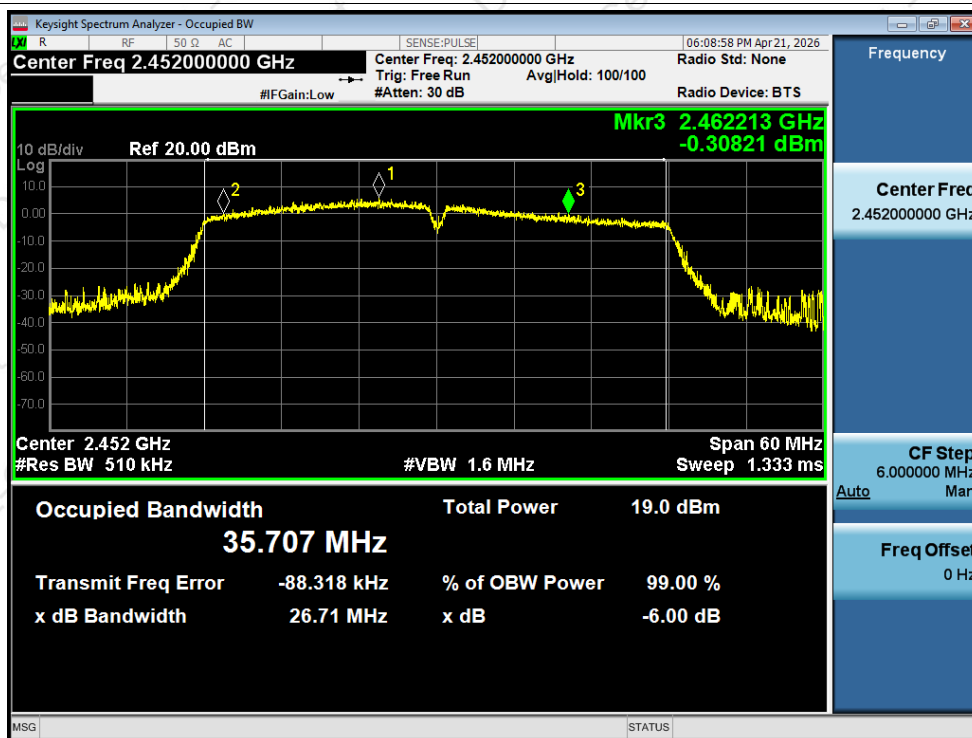
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



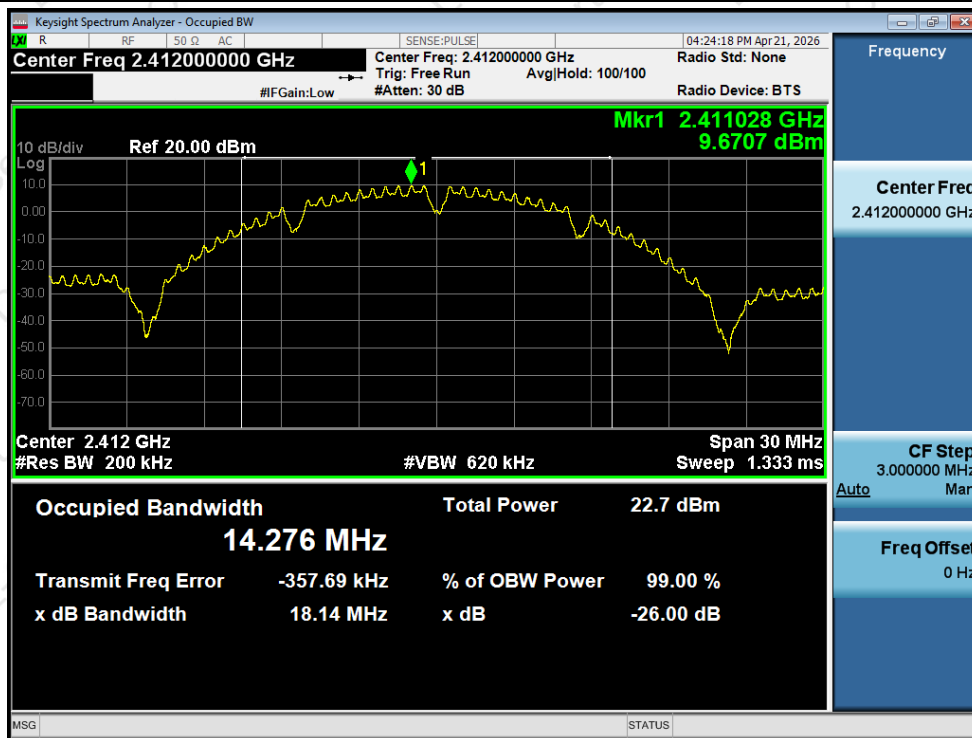
-6dB Bandwidth NVNT n40 2437MHz Ant1



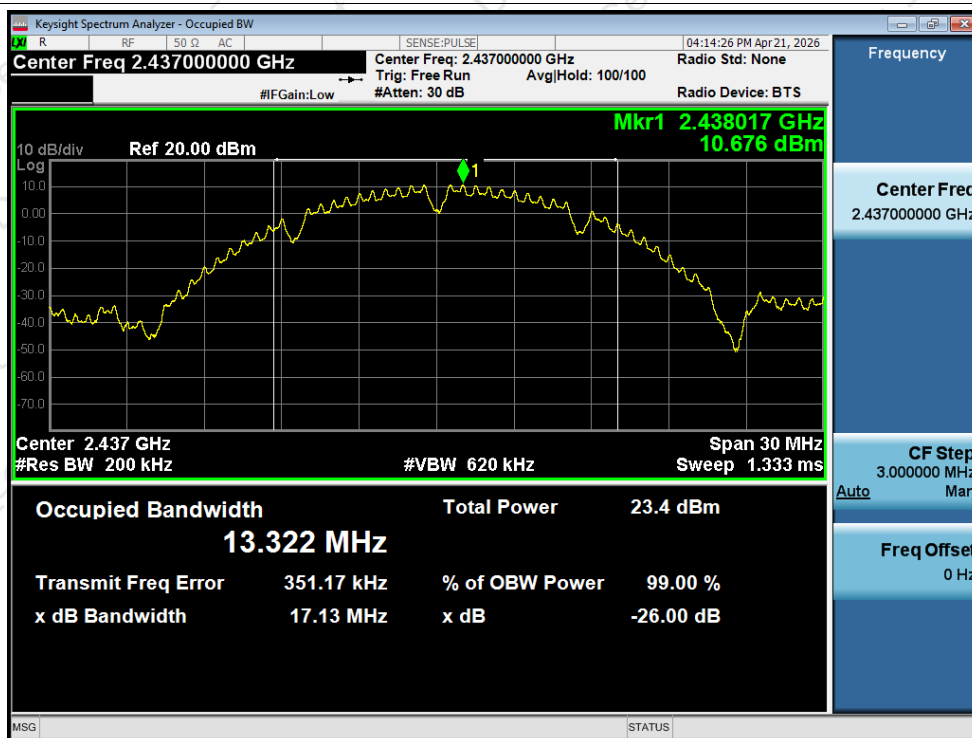
-6dB Bandwidth NVNT n40 2452MHz Ant1

**4. Occupied Channel Bandwidth**

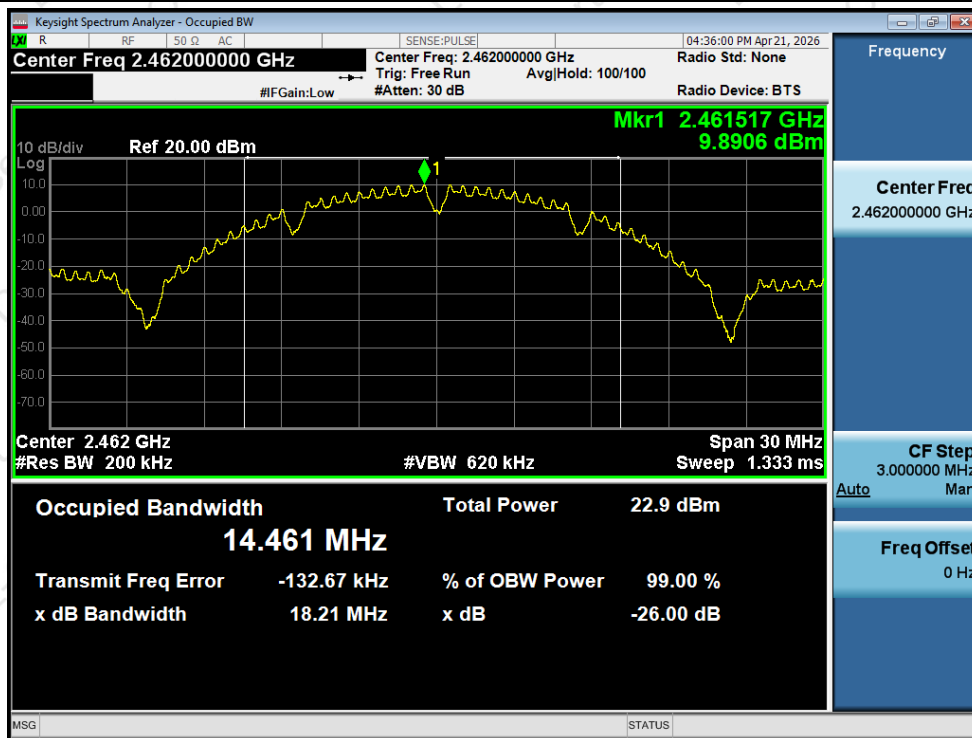
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.276
NVNT	b	2437	Ant1	13.322
NVNT	b	2462	Ant1	14.461
NVNT	g	2412	Ant1	16.621
NVNT	g	2437	Ant1	16.38
NVNT	g	2462	Ant1	16.65
NVNT	n20	2412	Ant1	17.662
NVNT	n20	2437	Ant1	17.507
NVNT	n20	2462	Ant1	17.73
NVNT	n40	2422	Ant1	36.6
NVNT	n40	2437	Ant1	35.572
NVNT	n40	2452	Ant1	35.703



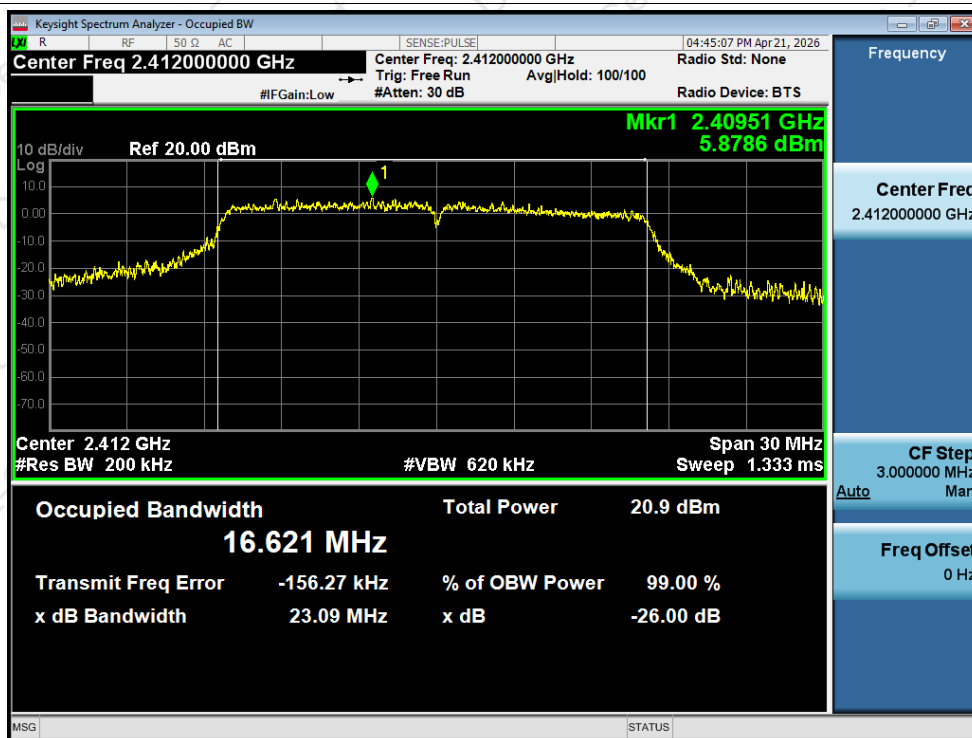
OBW NVNT b 2412MHz Ant1



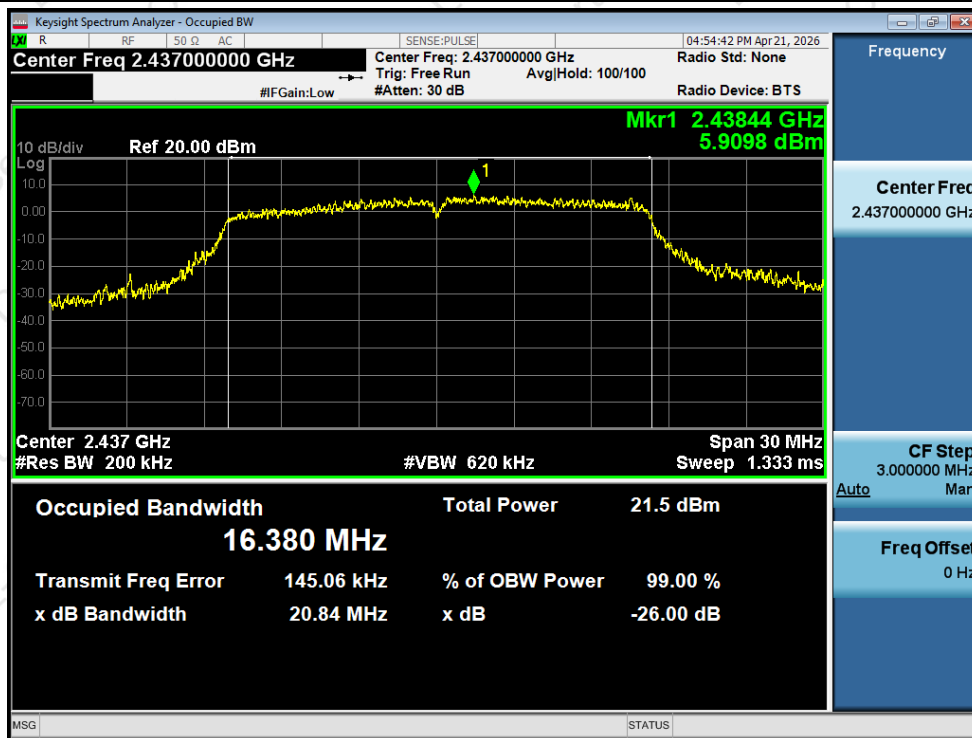
OBW NVNT b 2437MHz Ant1



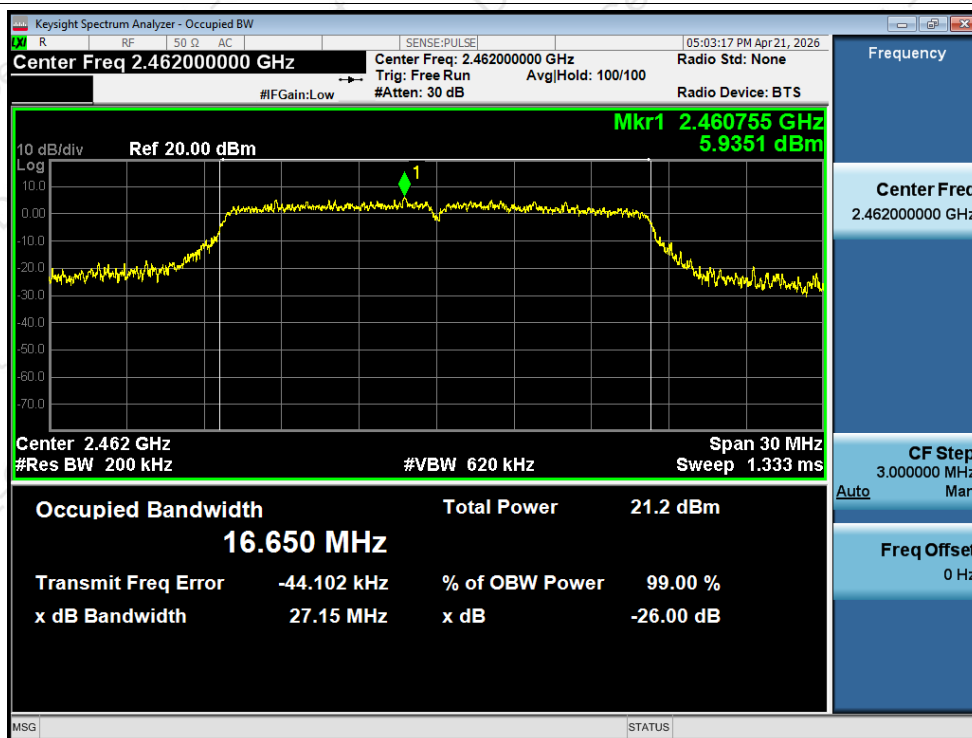
OBW NVNT b 2462MHz Ant1



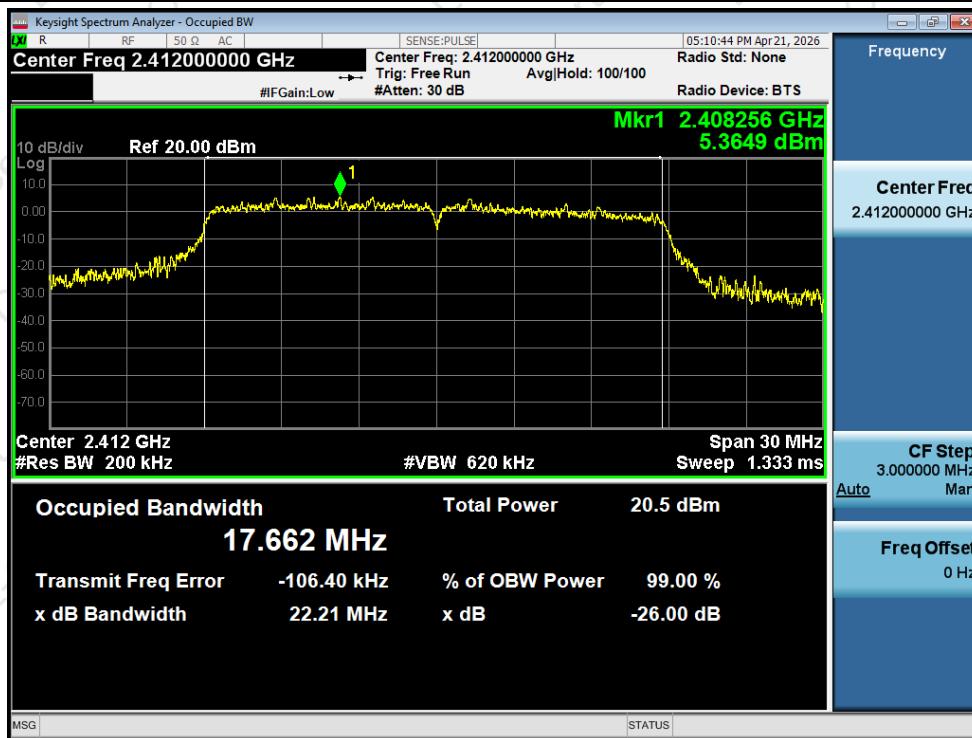
OBW NVNT g 2412MHz Ant1



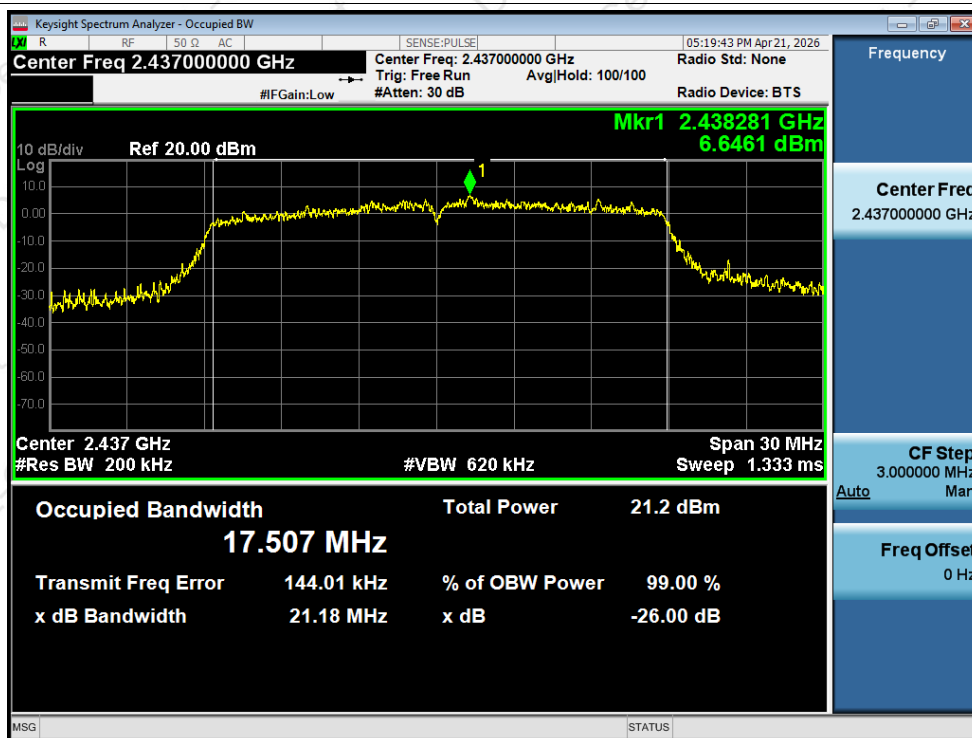
OBW NVNT g 2437MHz Ant1



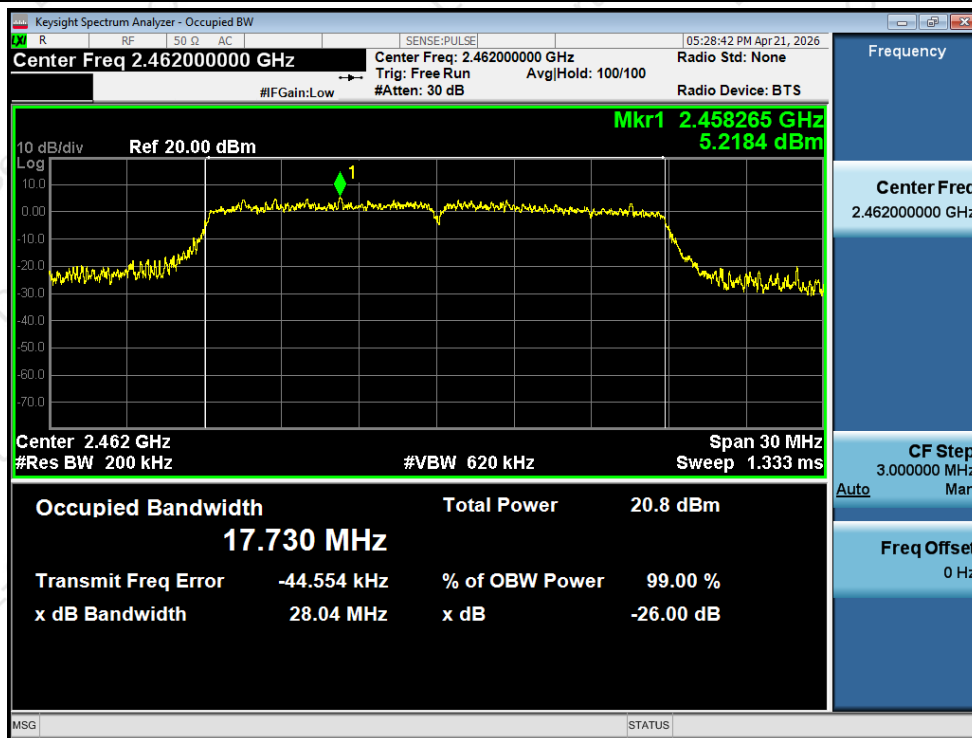
OBW NVNT g 2462MHz Ant1



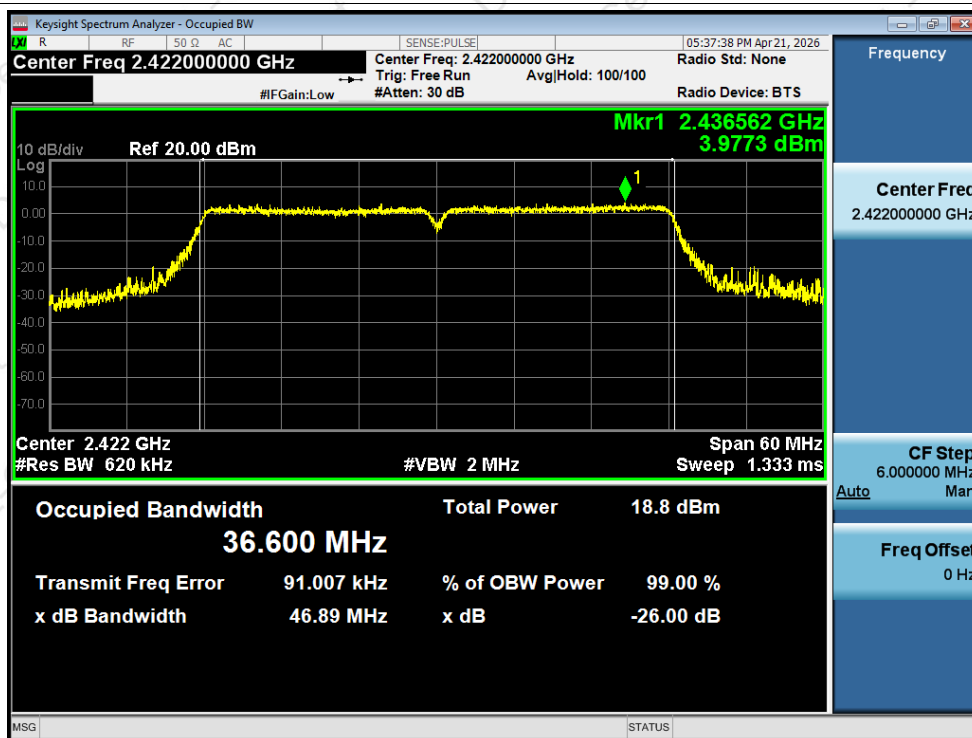
OBW NVNT n20 2412MHz Ant1



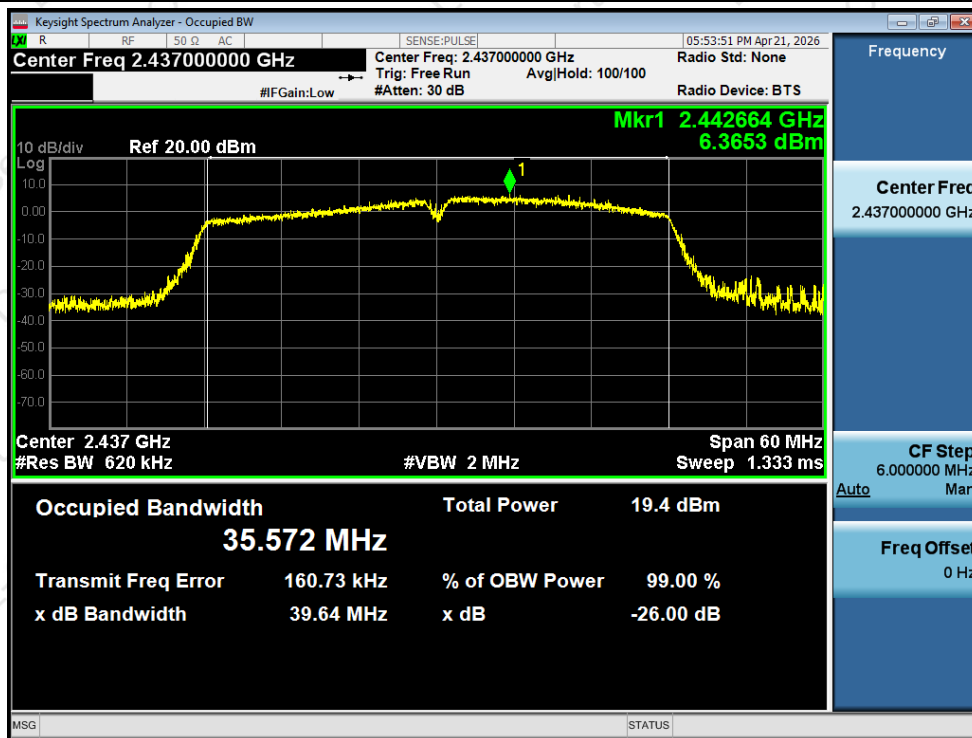
OBW NVNT n20 2437MHz Ant1



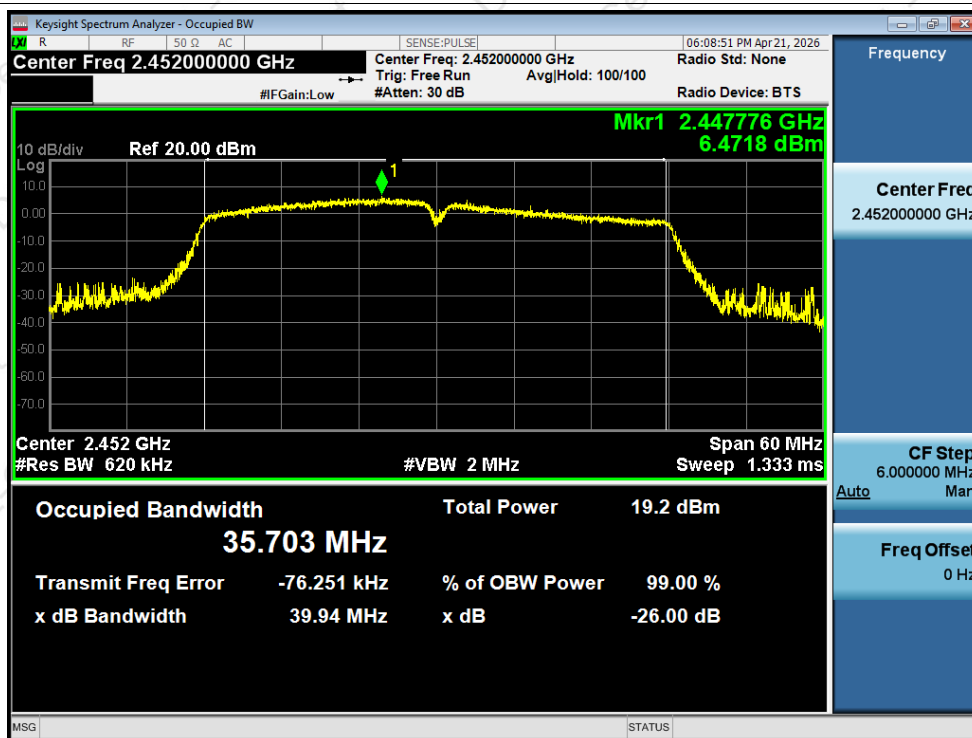
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



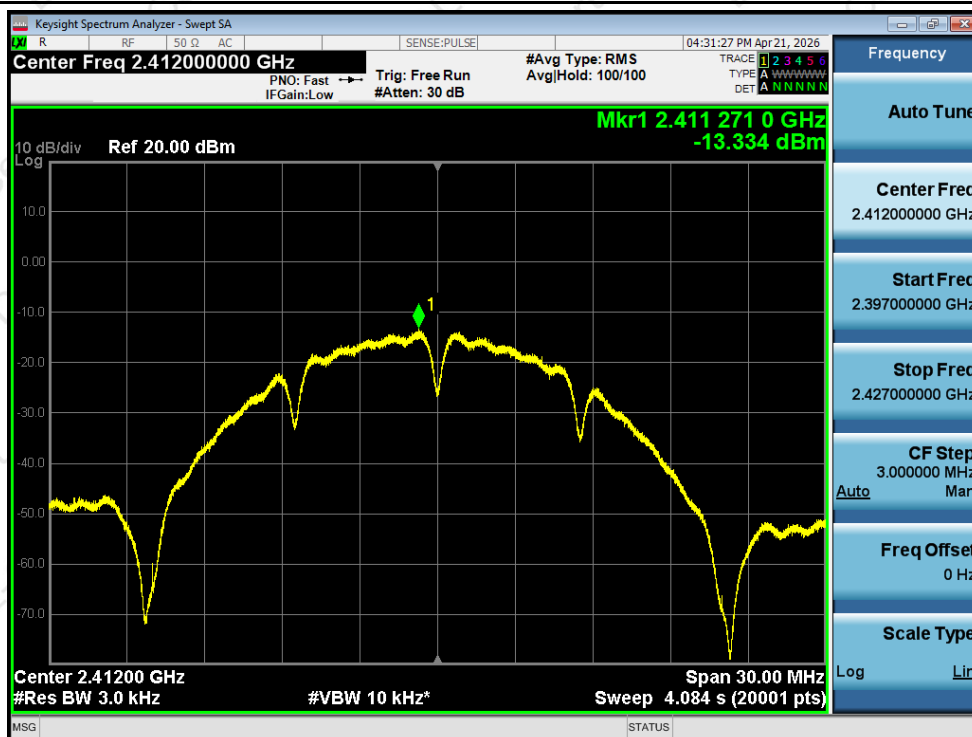
OBW NVNT n40 2437MHz Ant1



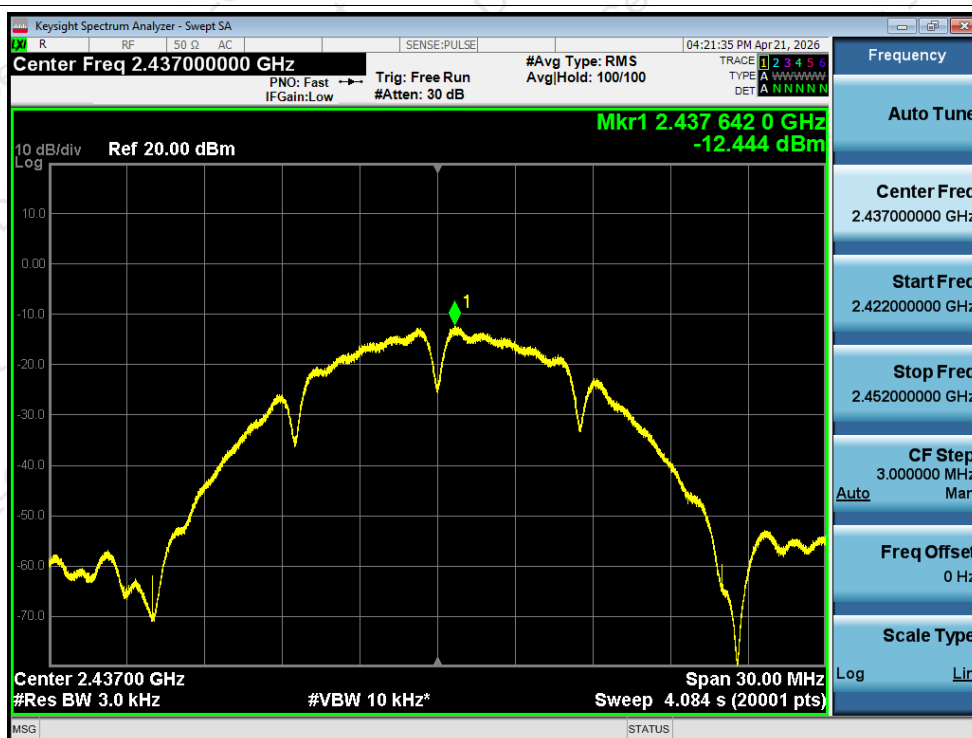
OBW NVNT n40 2452MHz Ant1

**5. Maximum Power Spectral Density Level**

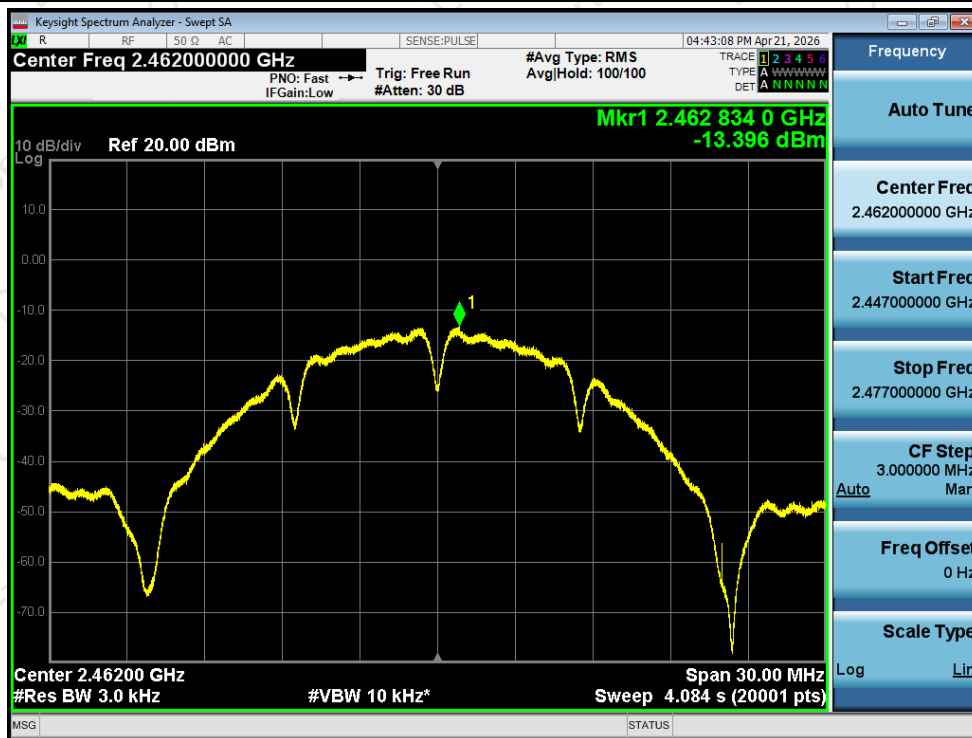
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-13.33	2.04	-11.29	8	Pass
NVNT	b	2437	Ant1	-12.44	4.77	-7.67	8	Pass
NVNT	b	2462	Ant1	-13.4	1.25	-12.15	8	Pass
NVNT	g	2412	Ant1	-18.01	0.97	-17.04	8	Pass
NVNT	g	2437	Ant1	-16.97	0.97	-16.00	8	Pass
NVNT	g	2462	Ant1	-17.92	0.96	-16.96	8	Pass
NVNT	n20	2412	Ant1	-18.65	0.14	-18.51	8	Pass
NVNT	n20	2437	Ant1	-17.39	0.14	-17.25	8	Pass
NVNT	n20	2462	Ant1	-18.24	0.14	-18.1	8	Pass
NVNT	n40	2422	Ant1	-22.84	0.29	-22.55	8	Pass
NVNT	n40	2437	Ant1	-20.05	0.29	-19.76	8	Pass
NVNT	n40	2452	Ant1	-19.58	0.29	-19.29	8	Pass



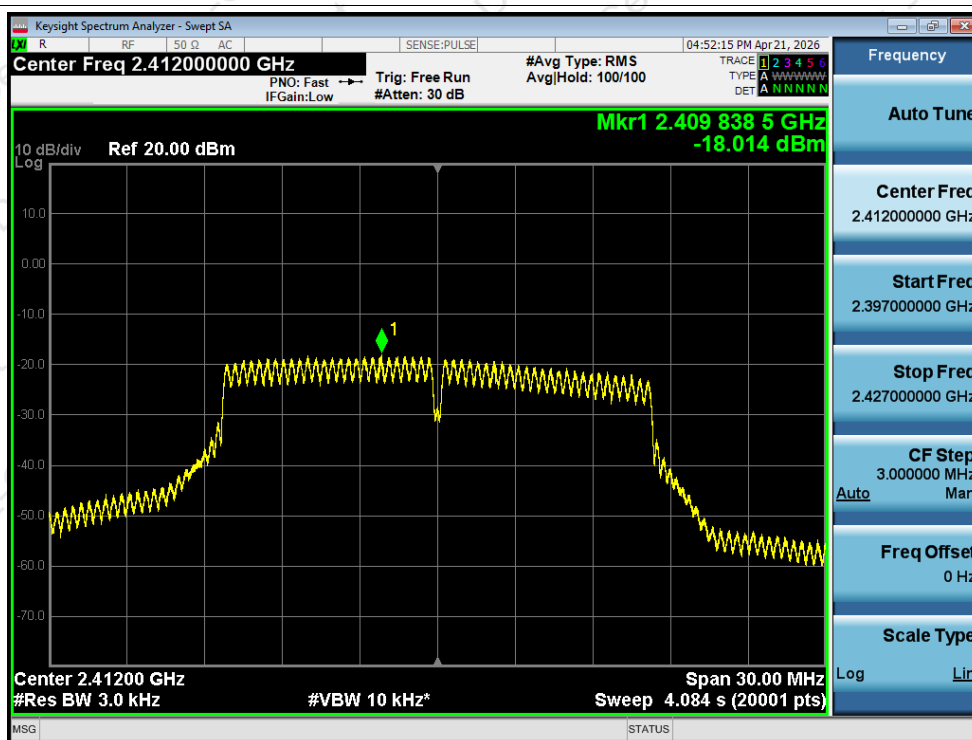
PSD NVNT b 2412MHz Ant1



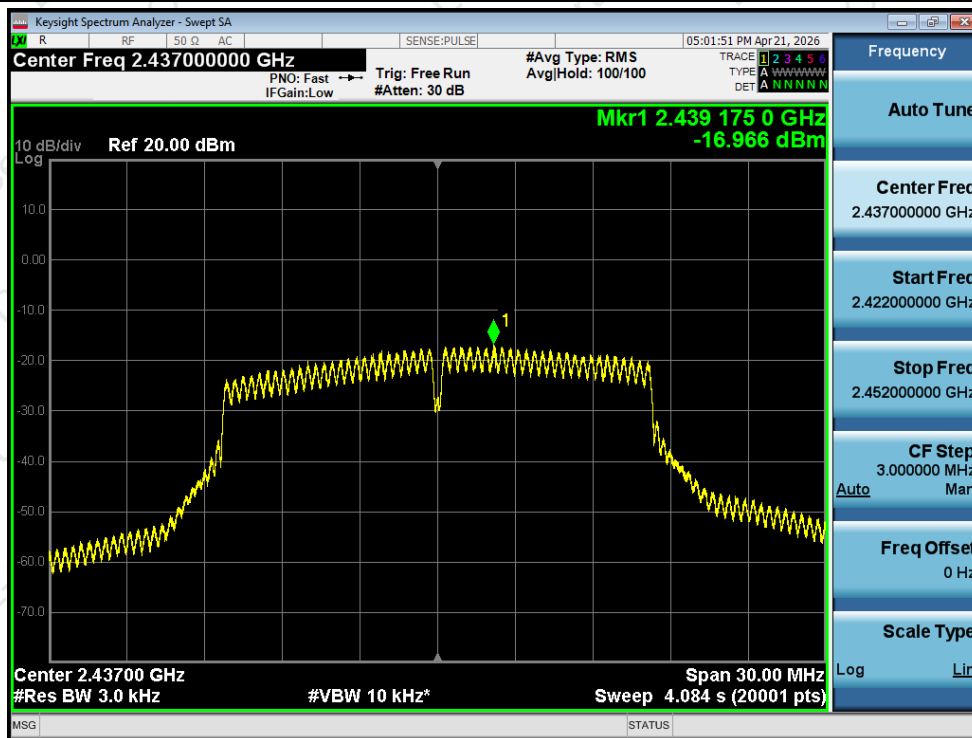
PSD NVNT b 2437MHz Ant1



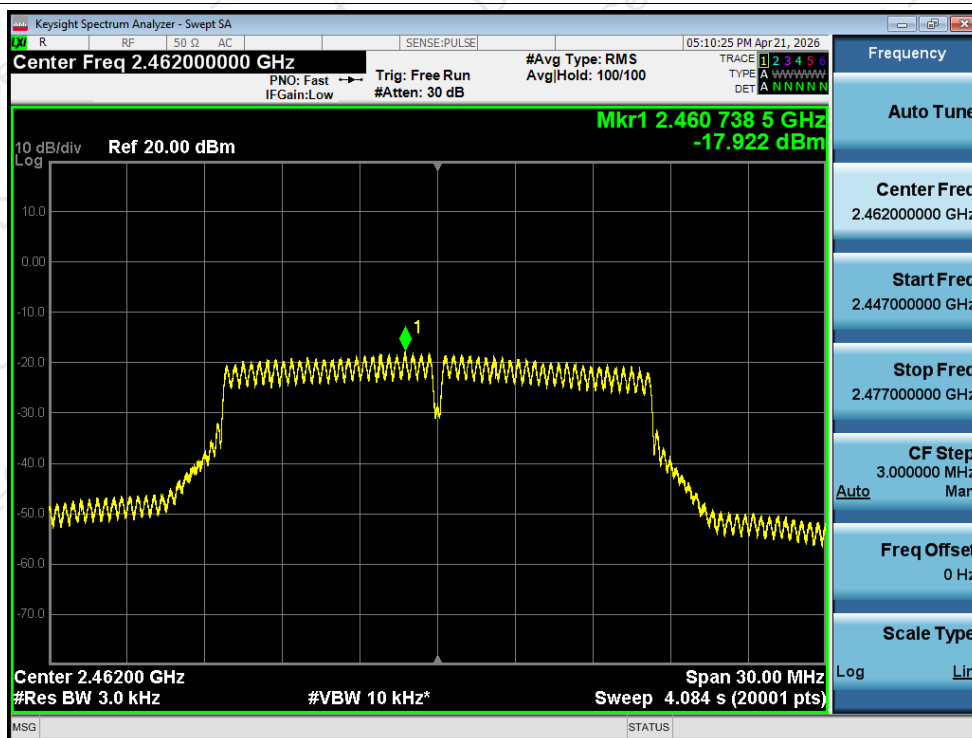
PSD NVNT b 2462MHz Ant1



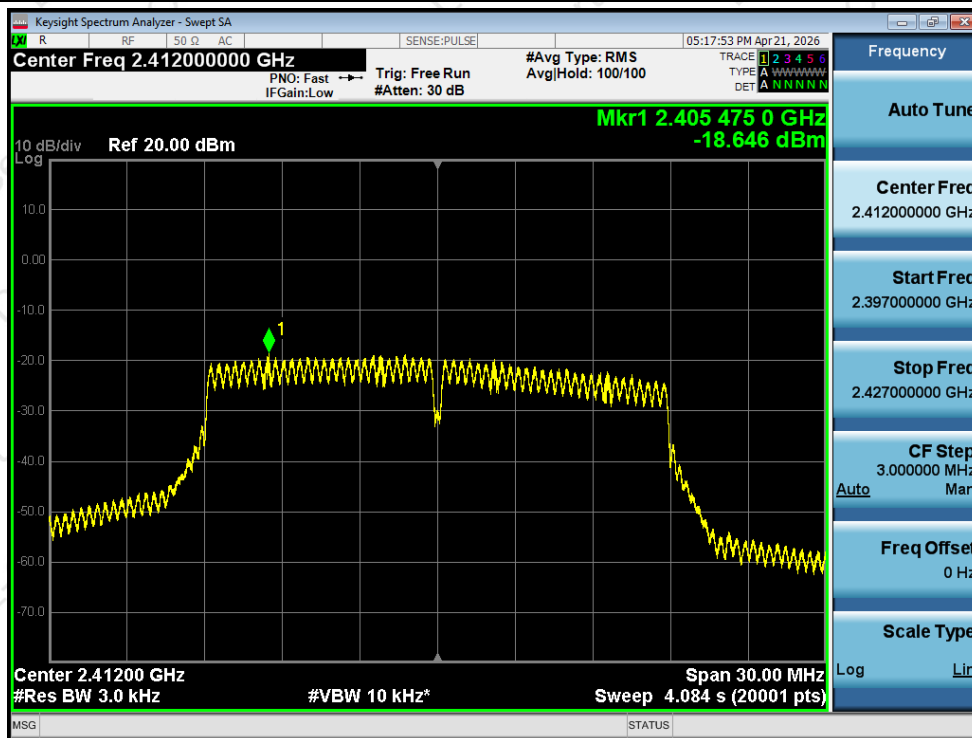
PSD NVNT g 2412MHz Ant1



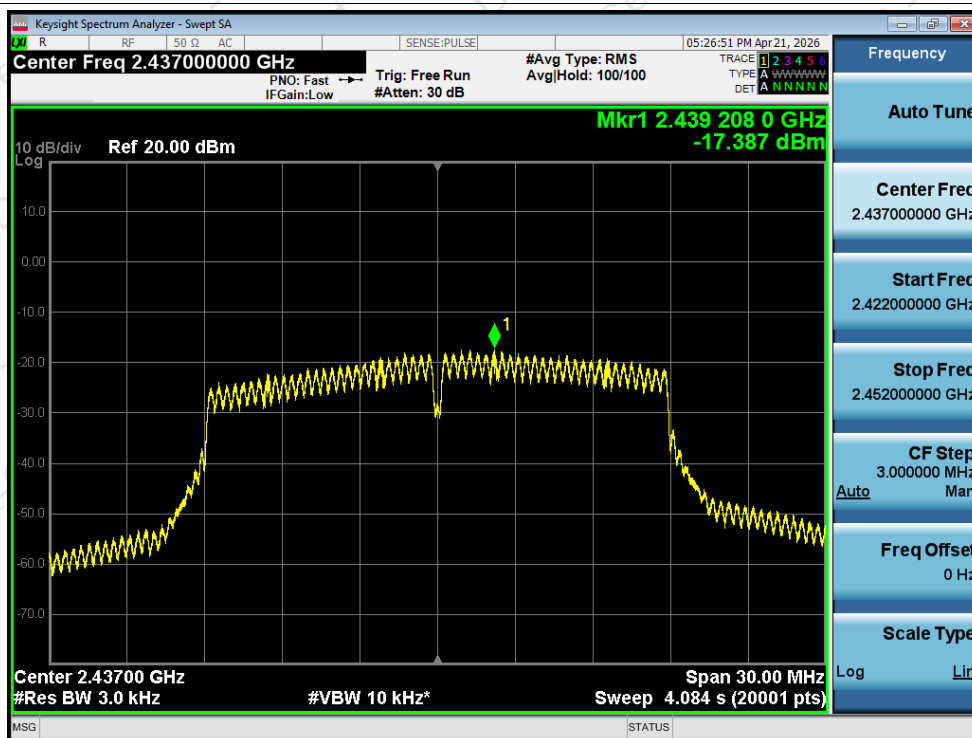
PSD NVNT g 2437MHz Ant1



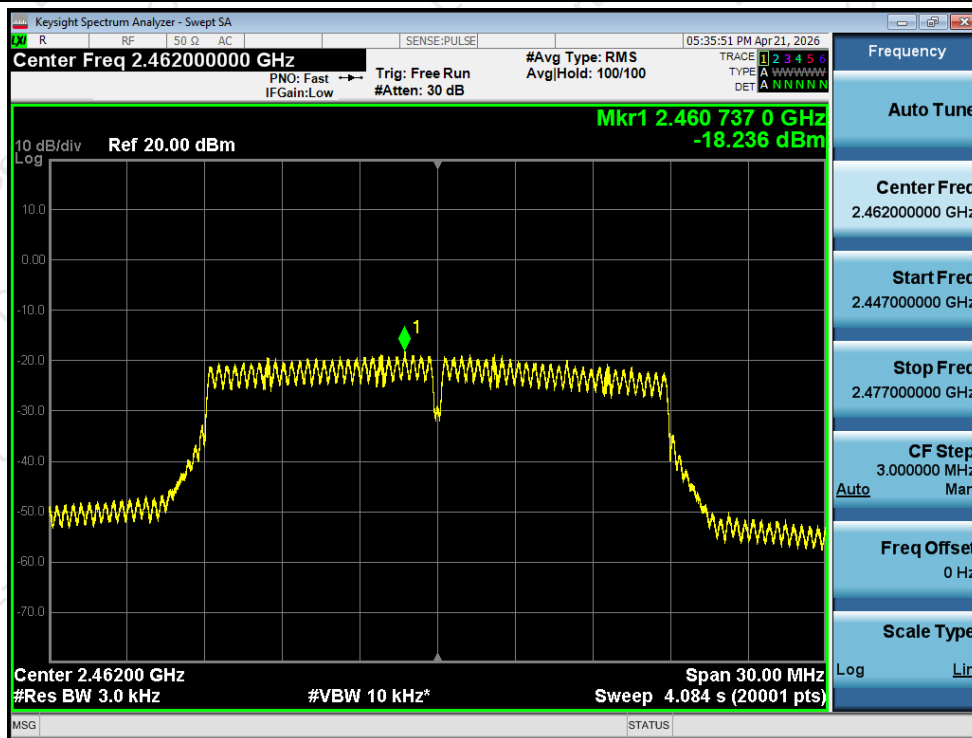
PSD NVNT g 2462MHz Ant1



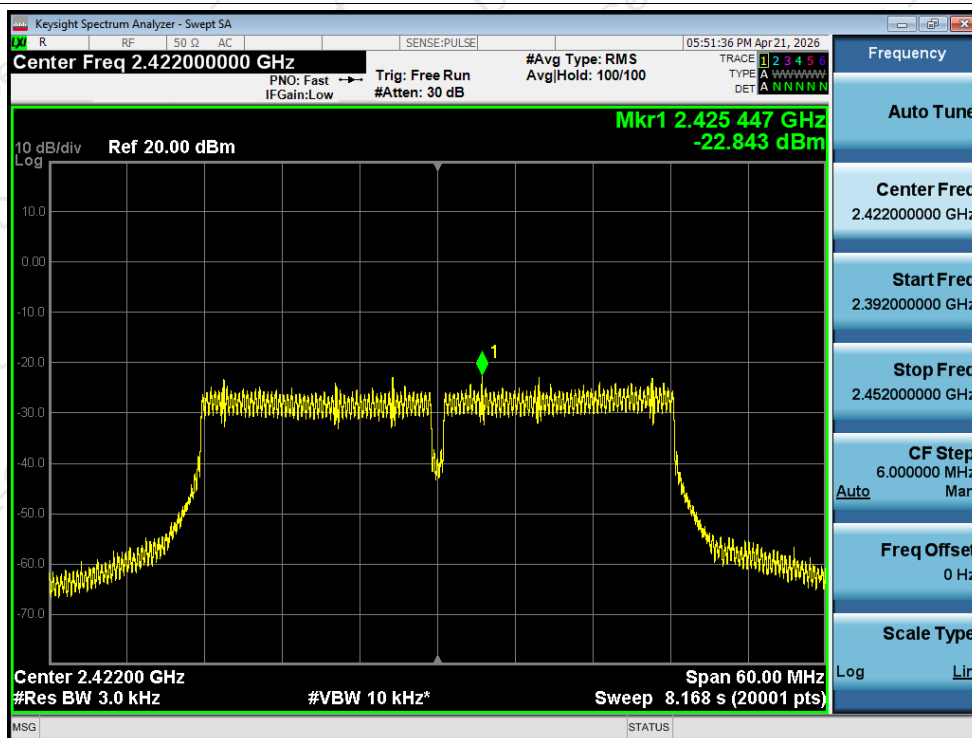
PSD NVNT n20 2412MHz Ant1



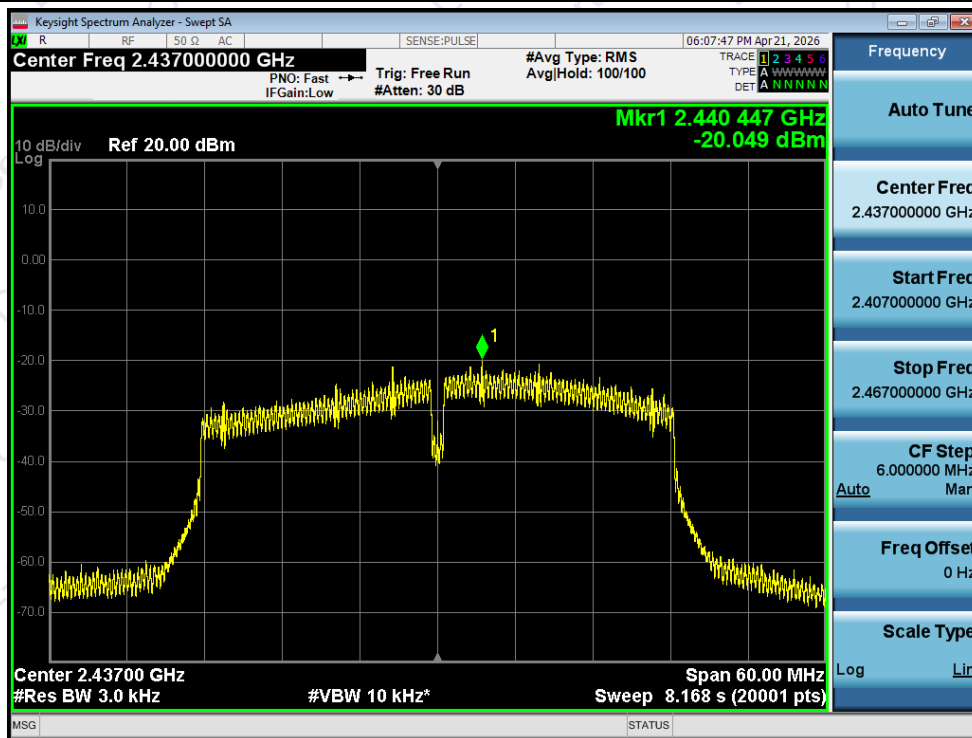
PSD NVNT n20 2437MHz Ant1



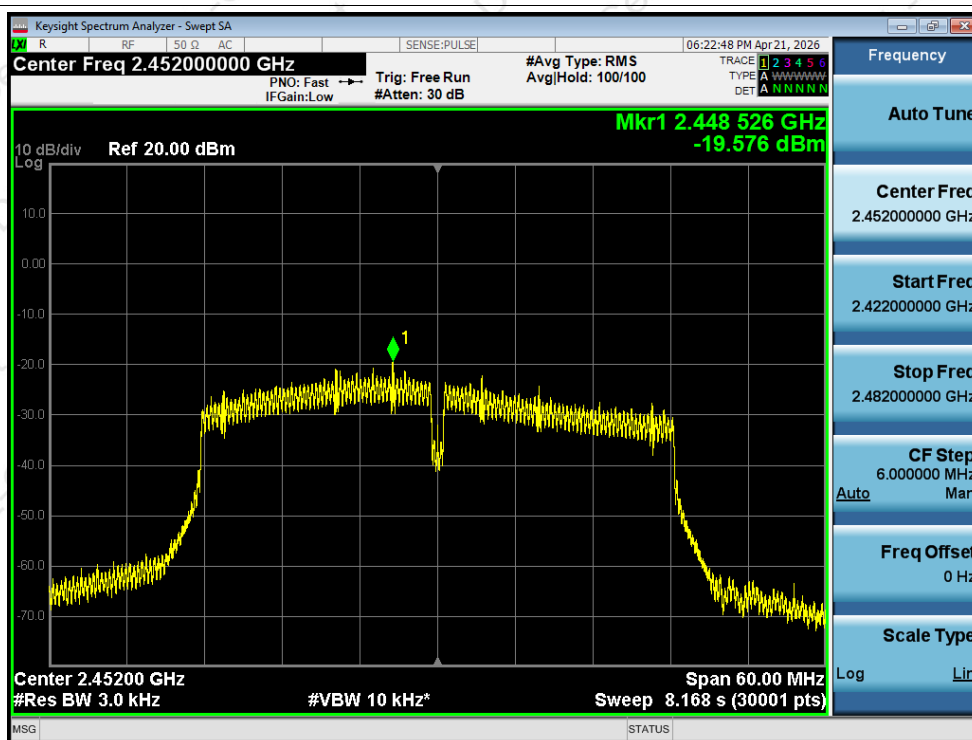
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



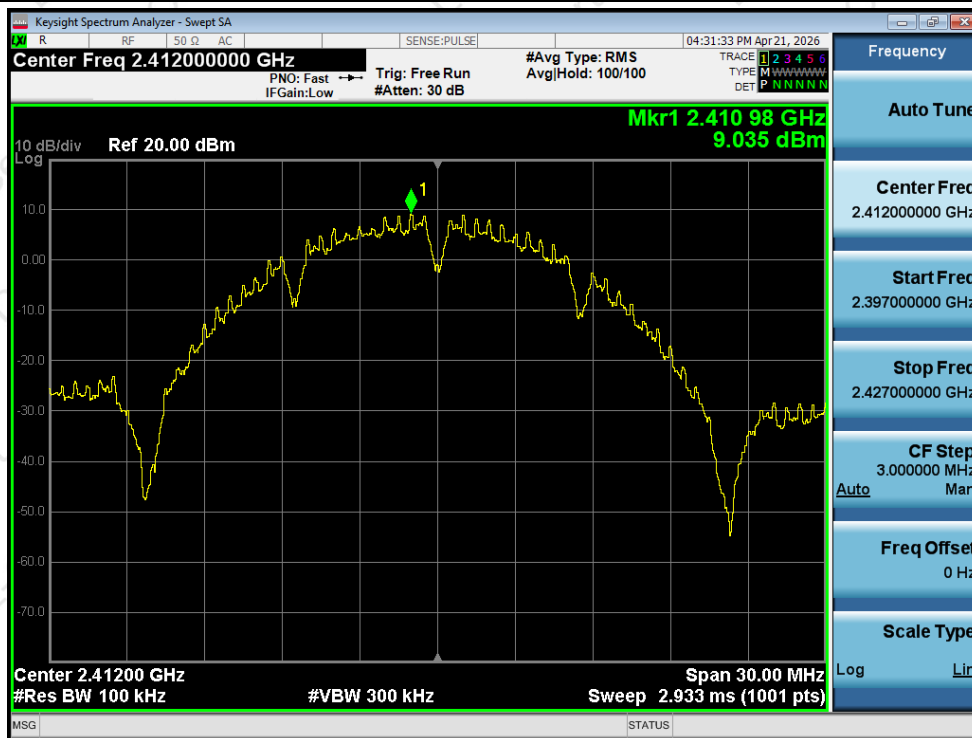
PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

**6. Band Edge**

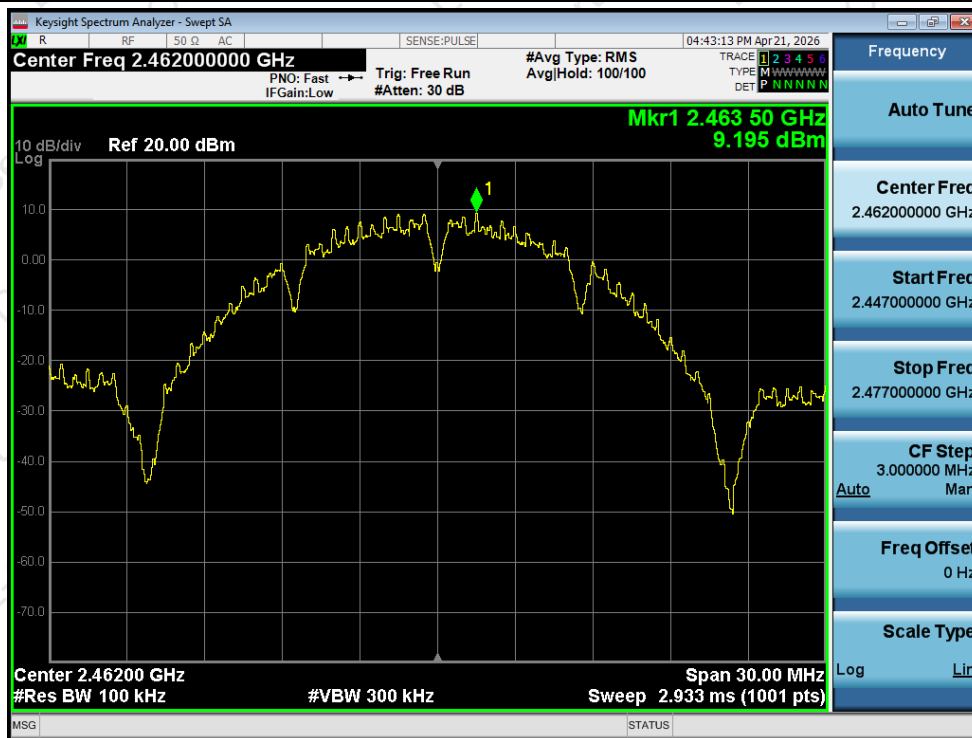
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-32.83	-30	Pass
NVNT	b	2462	Ant1	-51.84	-30	Pass
NVNT	g	2412	Ant1	-31.12	-30	Pass
NVNT	g	2462	Ant1	-43.41	-30	Pass
NVNT	n20	2412	Ant1	-32.9	-30	Pass
NVNT	n20	2462	Ant1	-43.01	-30	Pass
NVNT	n40	2422	Ant1	-31.14	-30	Pass
NVNT	n40	2452	Ant1	-41.55	-30	Pass



Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



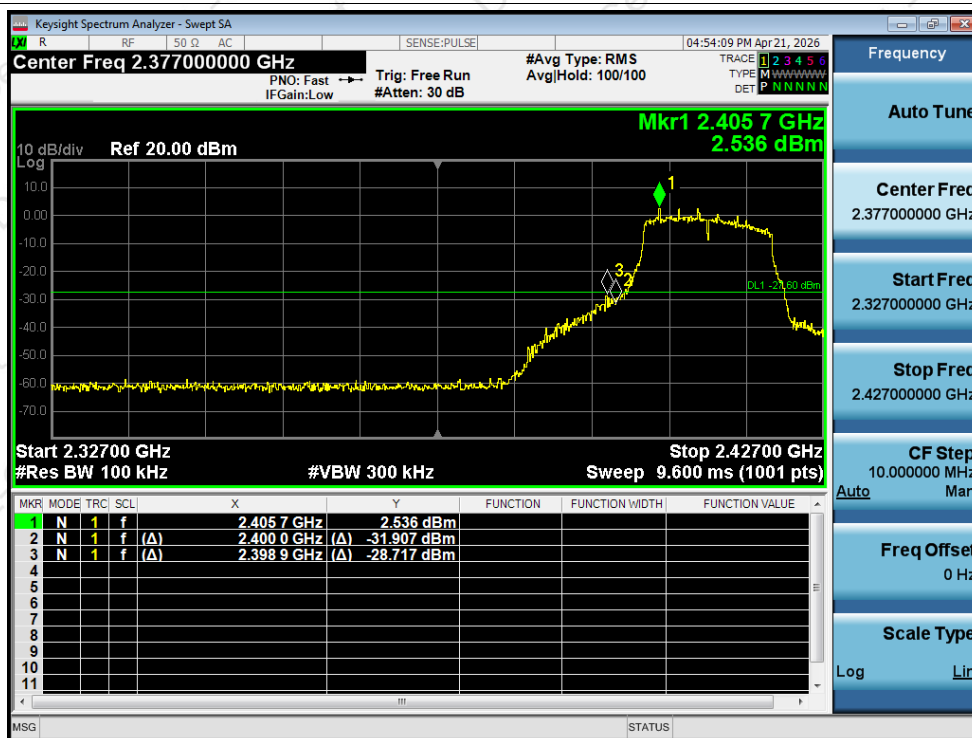
Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



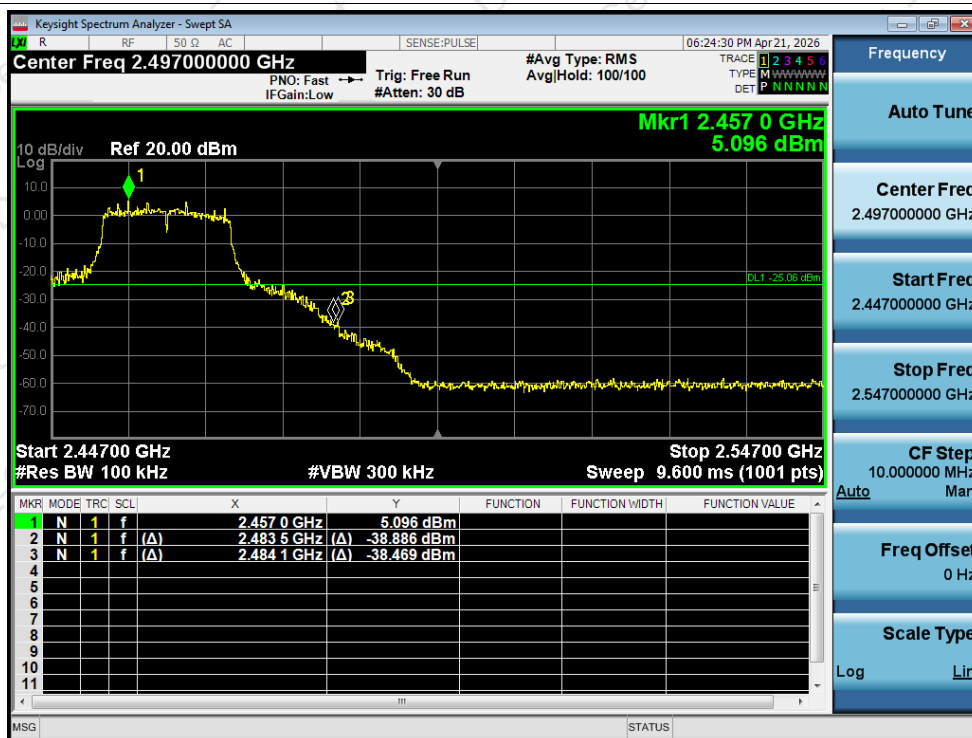
Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



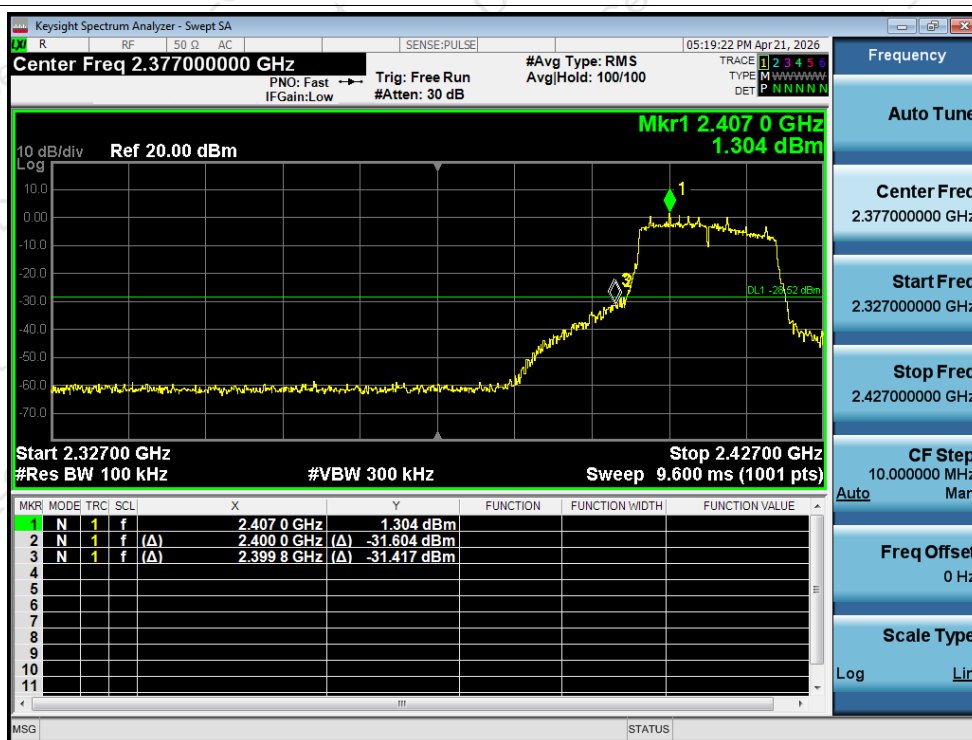
Band Edge NVNT g 2462MHz Ant1 Ref



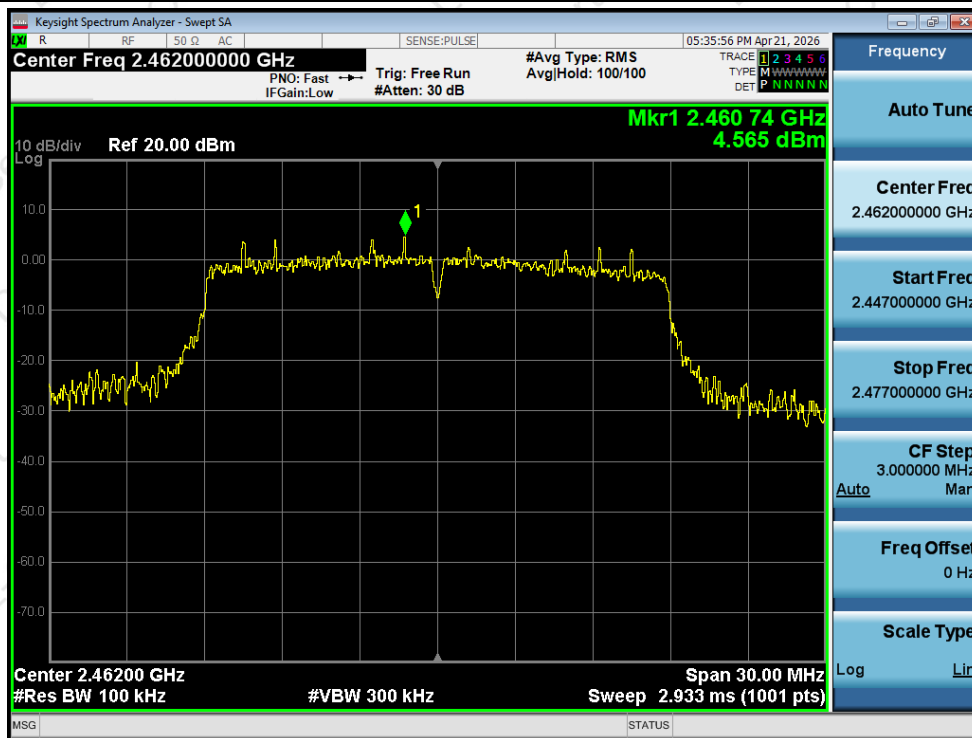
Band Edge NVNT g 2462MHz Ant1 Emission



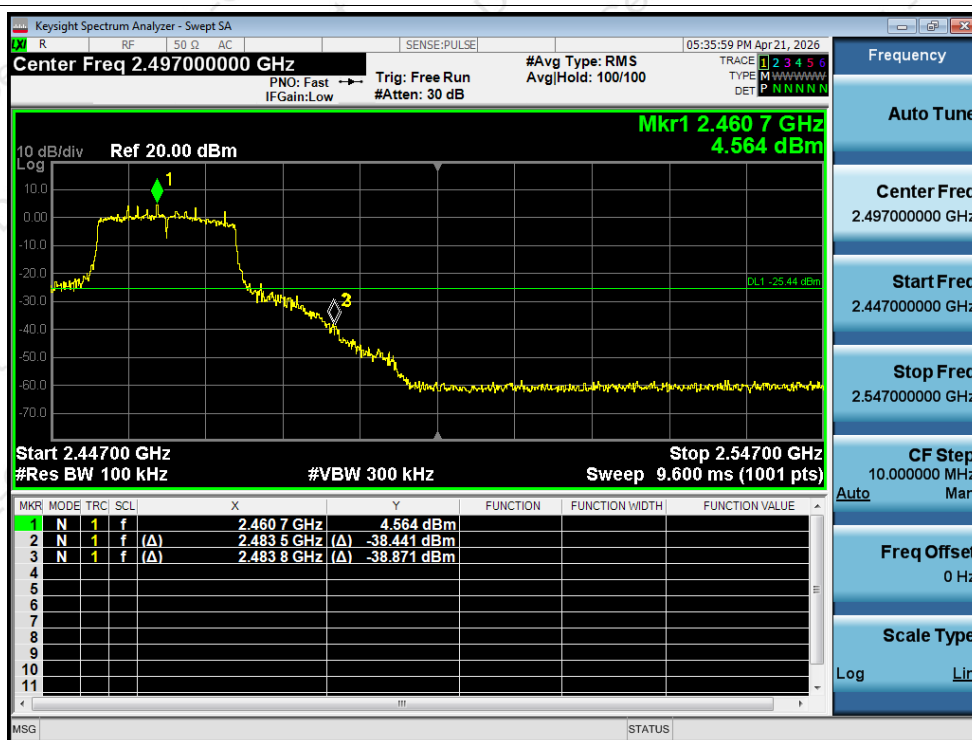
Band Edge NVNT n20 2412MHz Ant1 Ref



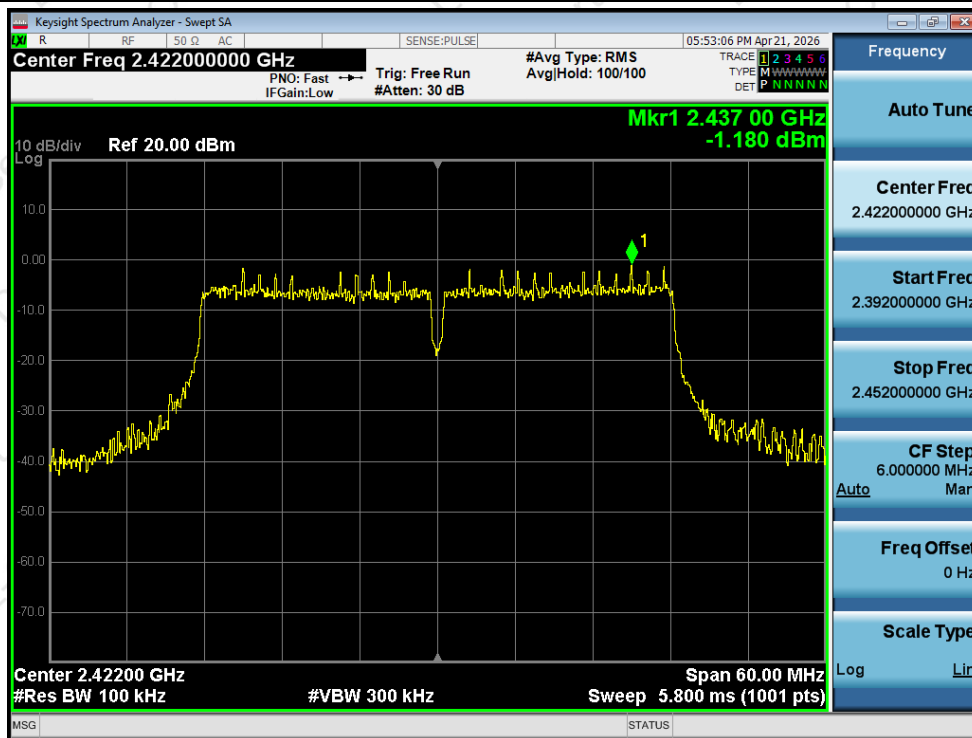
Band Edge NVNT n20 2412MHz Ant1 Emission



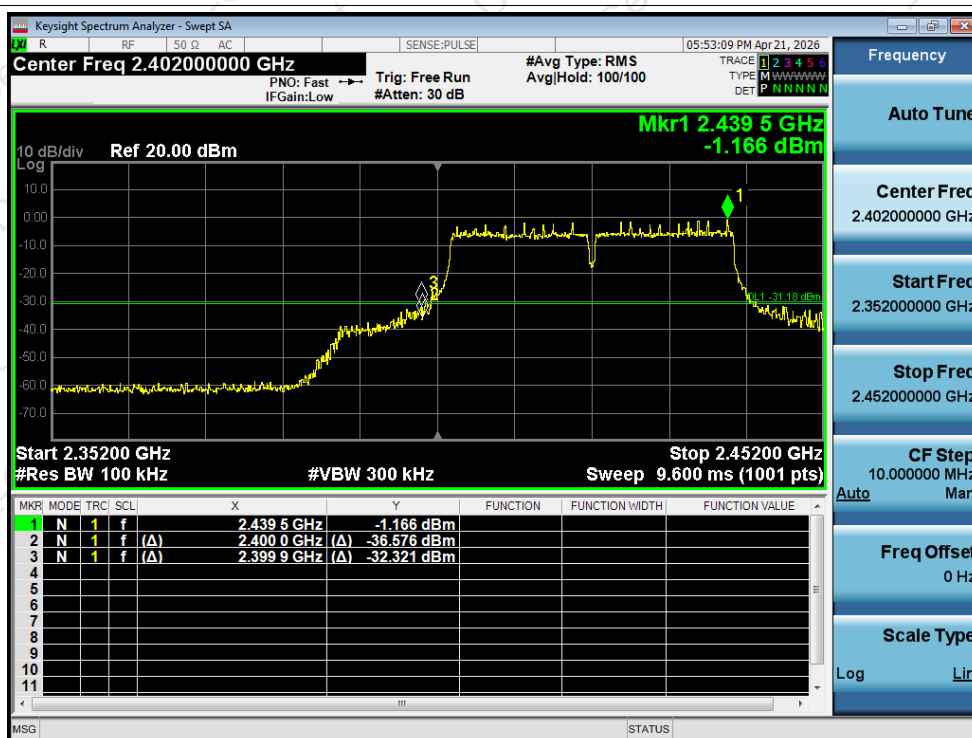
Band Edge NVNT n20 2462MHz Ant1 Ref



Band Edge NVNT n20 2462MHz Ant1 Emission



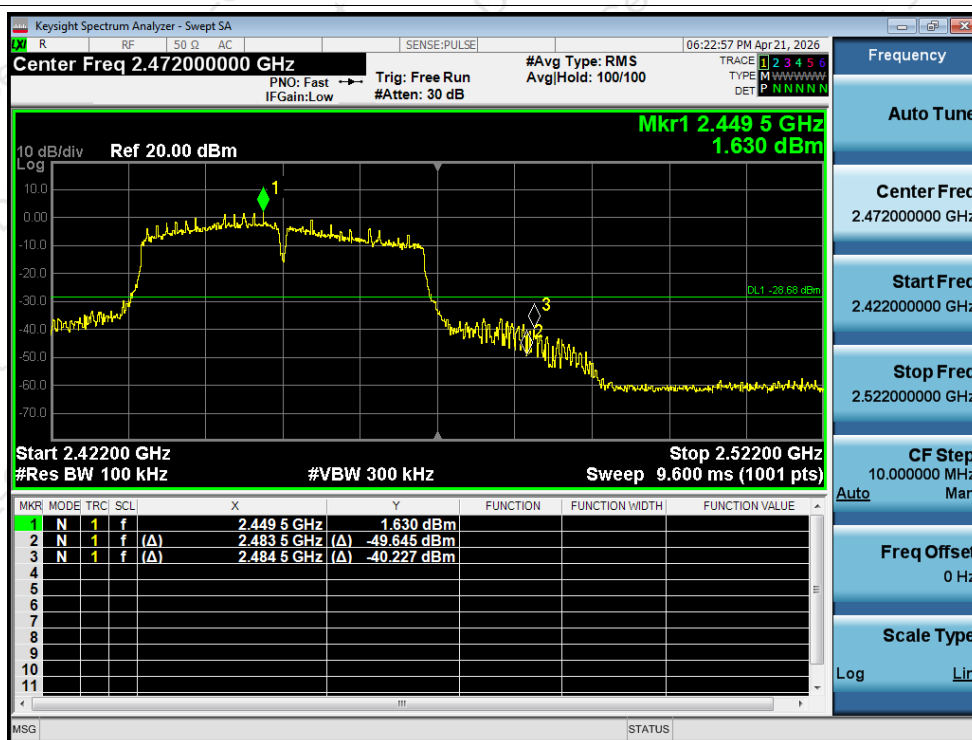
Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



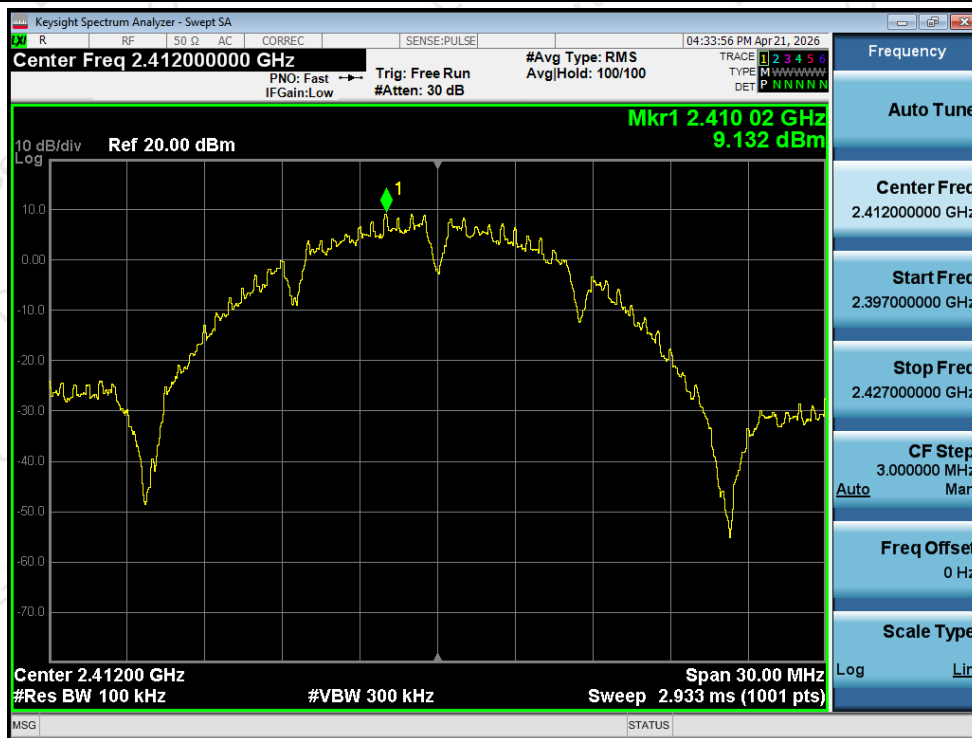
Band Edge NVNT n40 2452MHz Ant1 Ref



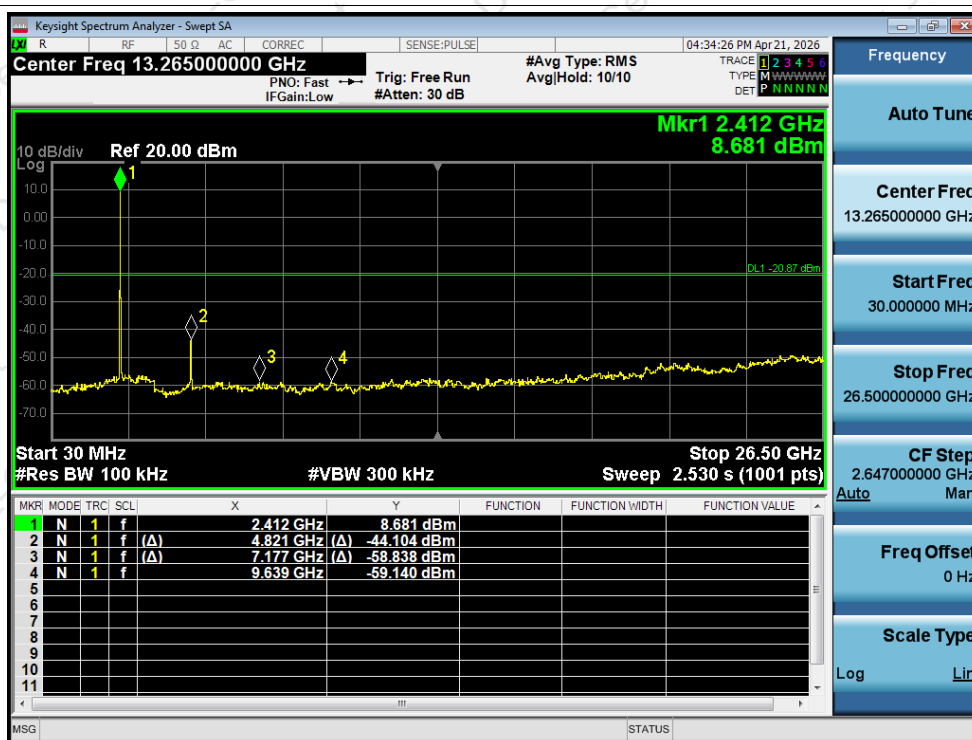
Band Edge NVNT n40 2452MHz Ant1 Emission

**7. Conducted RF Spurious Emission**

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-53.23	-30	Pass
NVNT	b	2437	Ant1	-56.62	-30	Pass
NVNT	b	2462	Ant1	-54.3	-30	Pass
NVNT	g	2412	Ant1	-54.02	-30	Pass
NVNT	g	2437	Ant1	-55.35	-30	Pass
NVNT	g	2462	Ant1	-52.97	-30	Pass
NVNT	n20	2412	Ant1	-52.86	-30	Pass
NVNT	n20	2437	Ant1	-54.36	-30	Pass
NVNT	n20	2462	Ant1	-53.24	-30	Pass
NVNT	n40	2422	Ant1	-48.37	-30	Pass
NVNT	n40	2437	Ant1	-50.19	-30	Pass
NVNT	n40	2452	Ant1	-50.44	-30	Pass



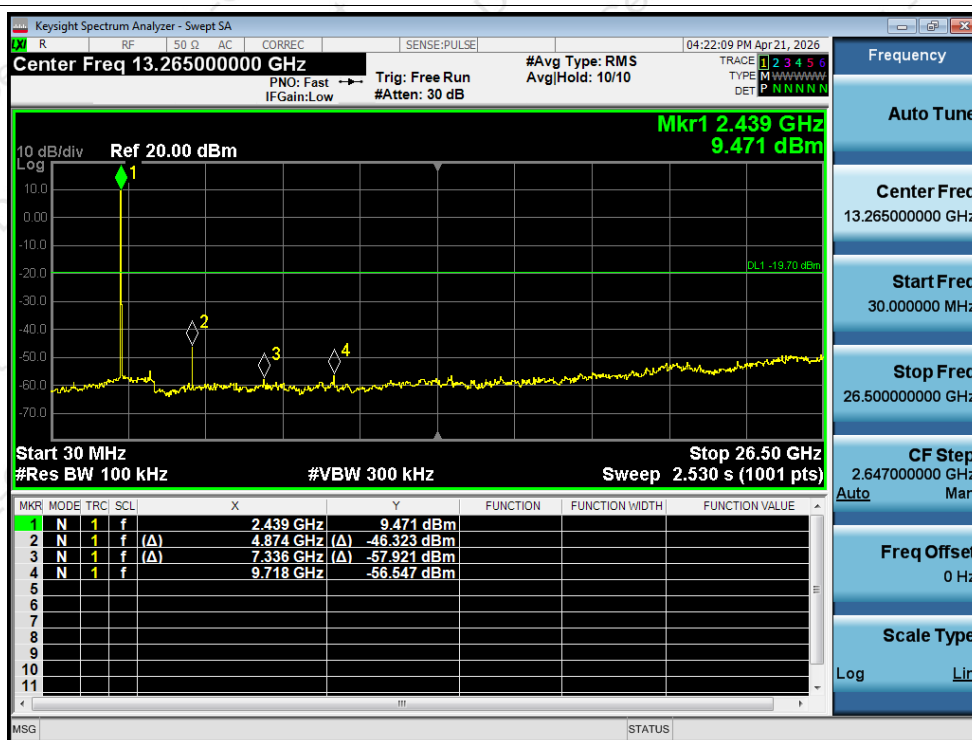
Tx. Spurious NVNT b 2412MHz Ant1 Ref



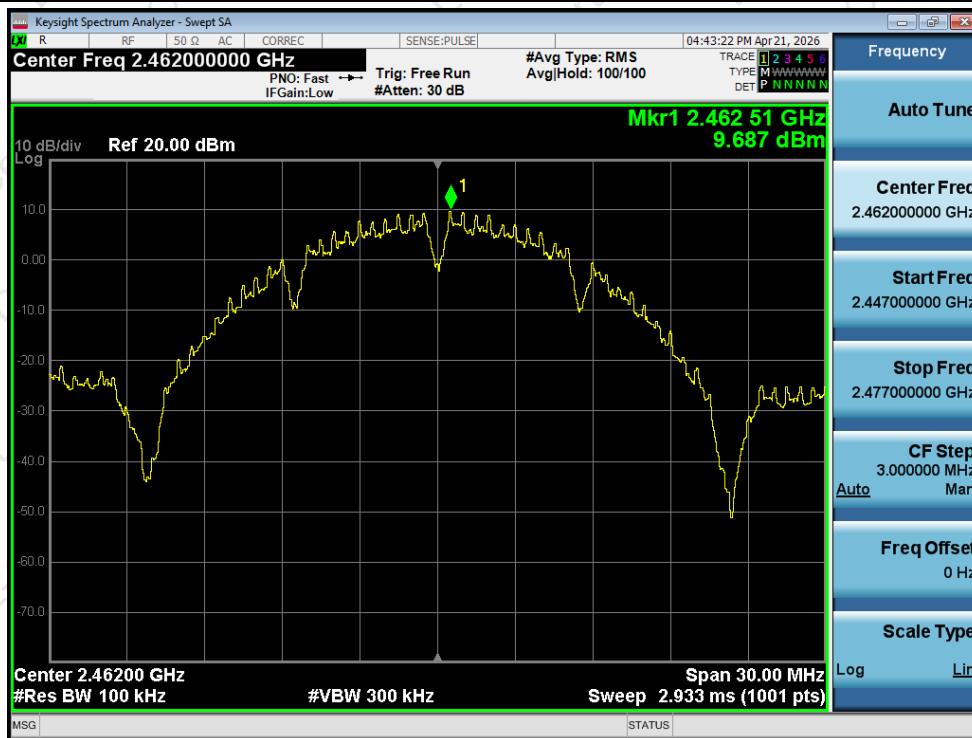
Tx. Spurious NVNT b 2412MHz Ant1 Emission



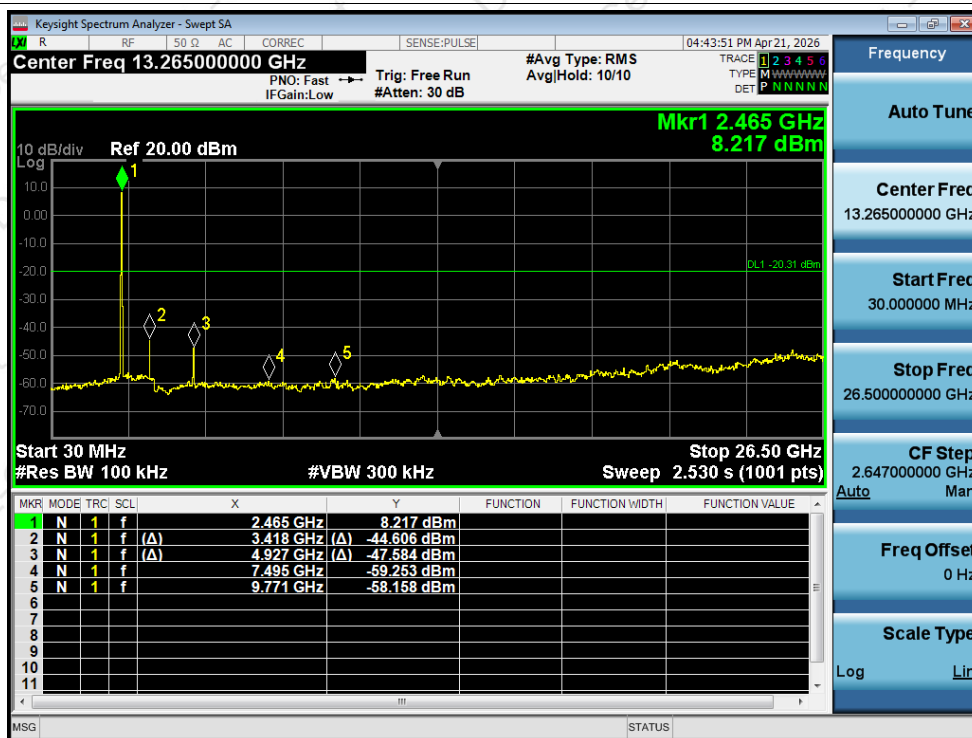
Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



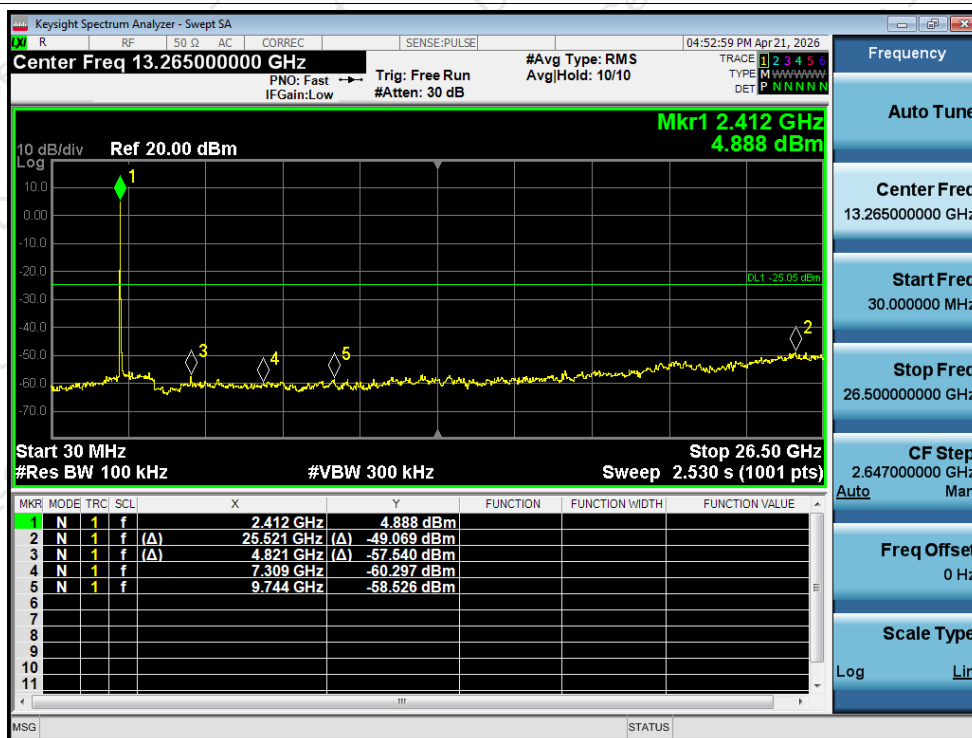
Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



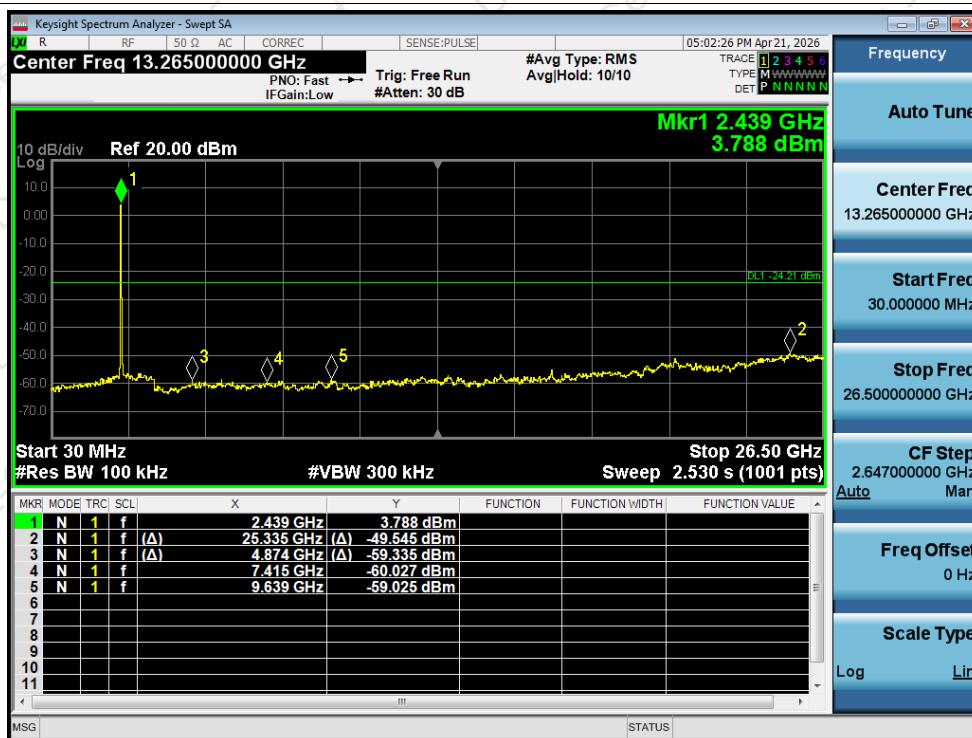
Tx. Spurious NVNT g 2412MHz Ant1 Ref



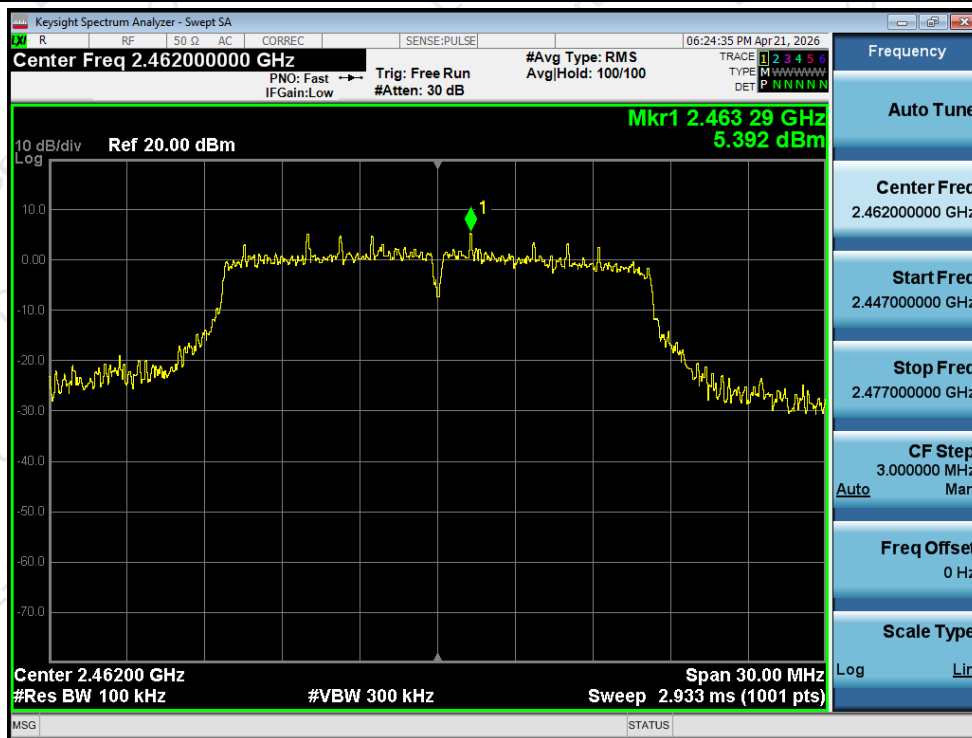
Tx. Spurious NVNT g 2412MHz Ant1 Emission



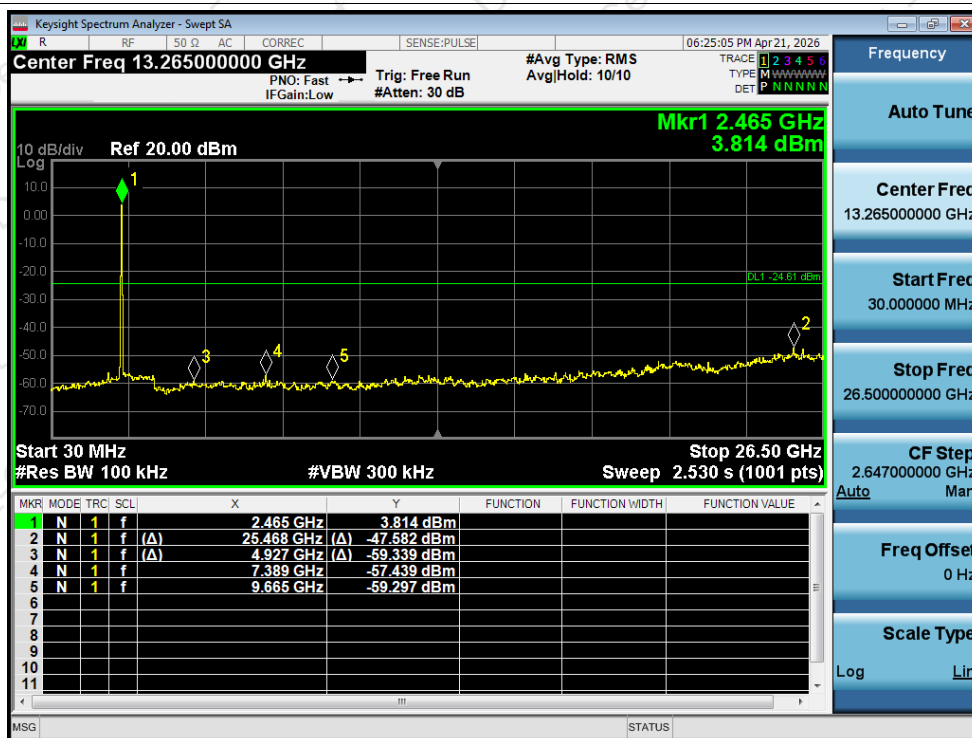
Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



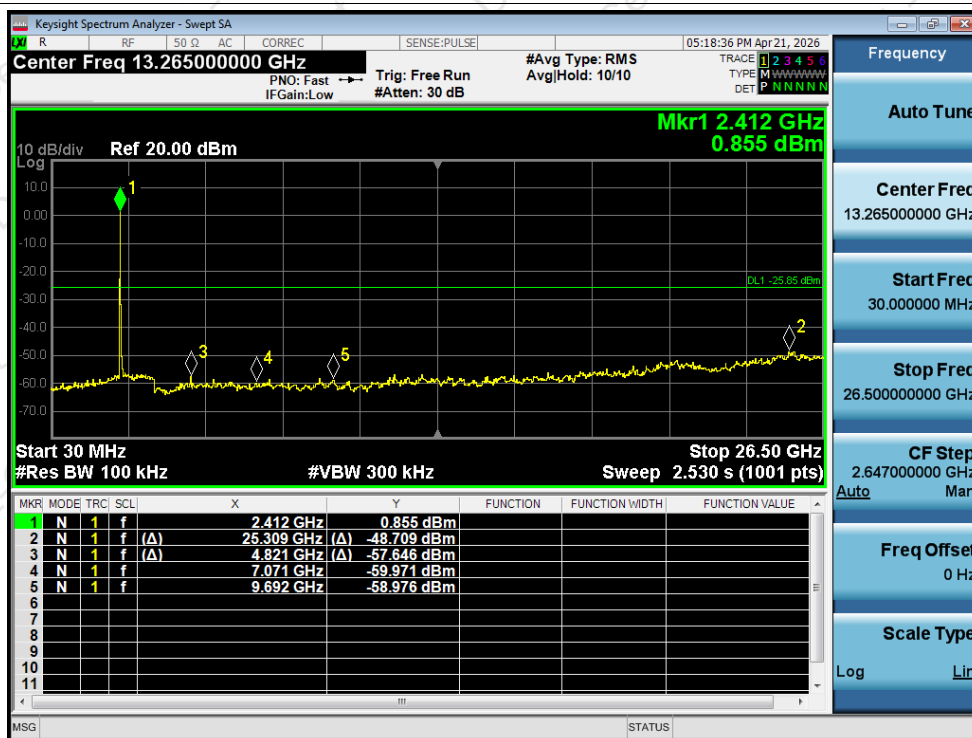
Tx. Spurious NVNT g 2462MHz Ant1 Ref



Tx. Spurious NVNT g 2462MHz Ant1 Emission



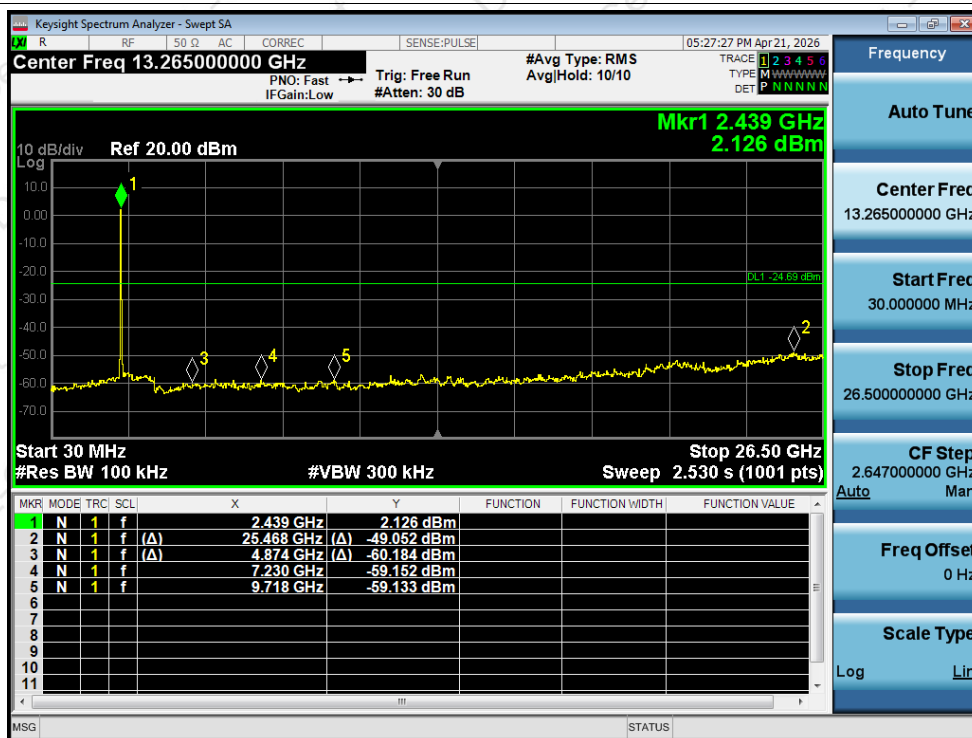
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



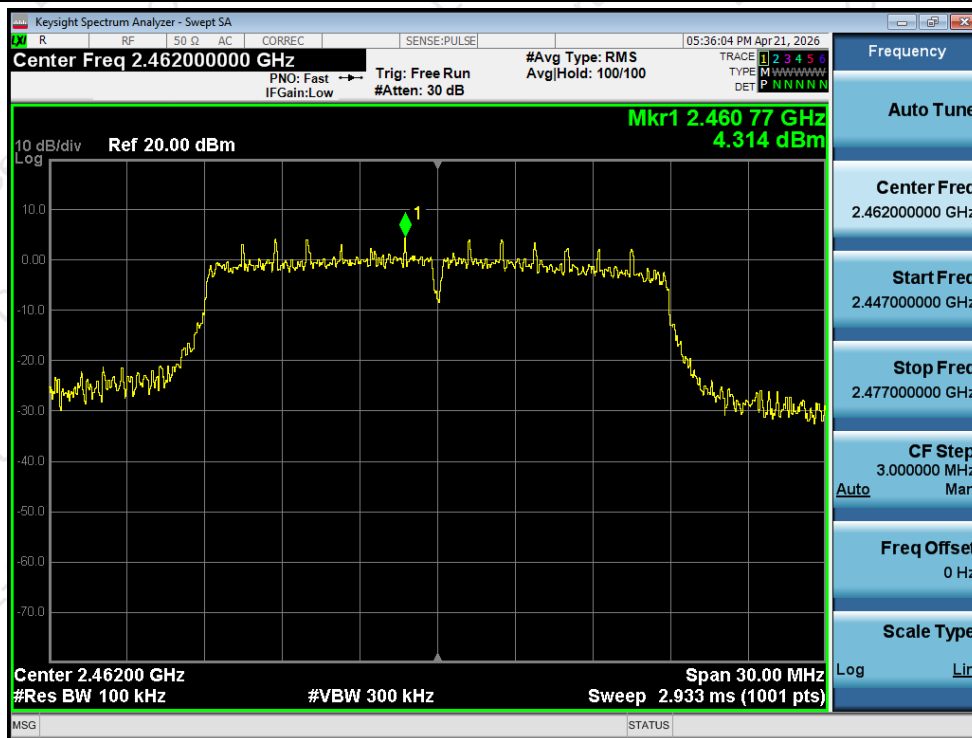
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



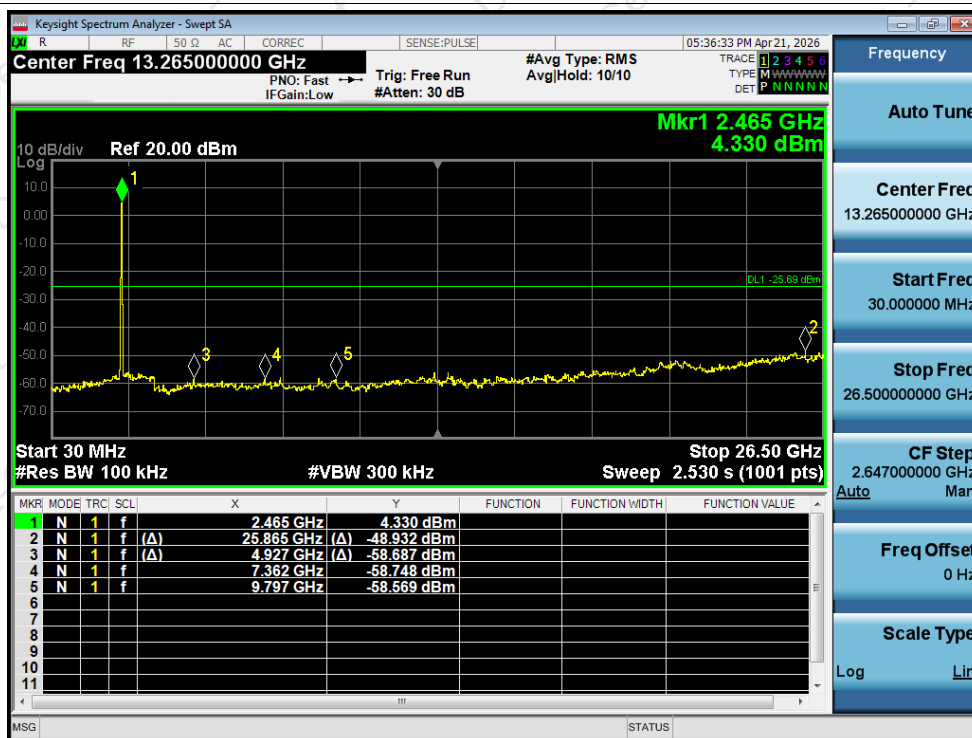
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



Tx. Spurious NVNT n20 2437MHz Ant1 Emission



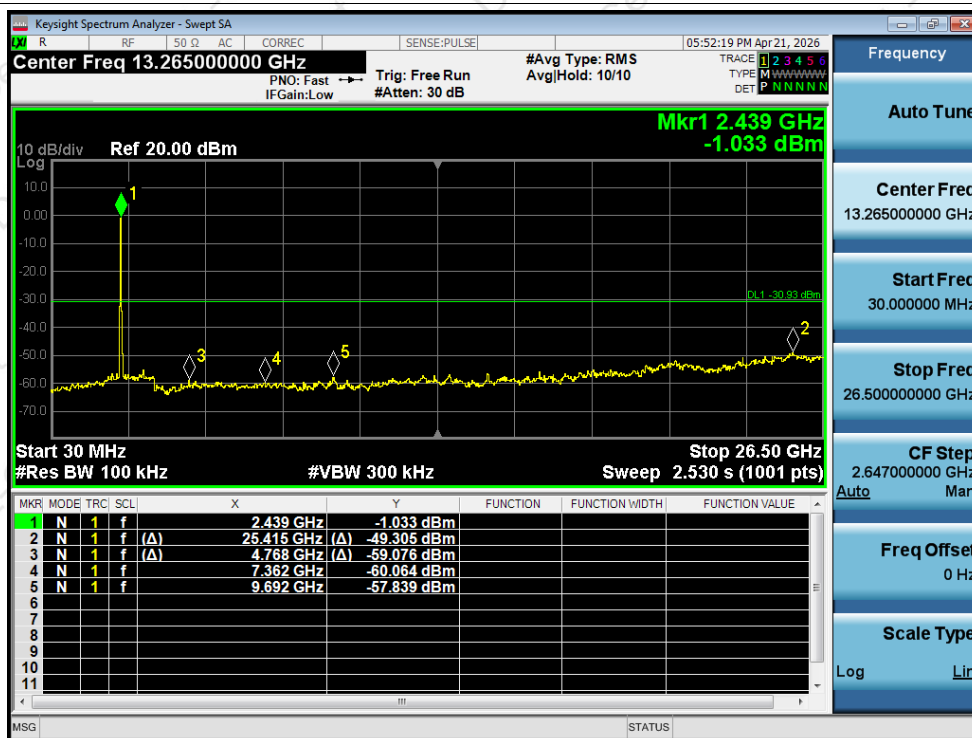
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



Tx. Spurious NVNT n20 2462MHz Ant1 Emission



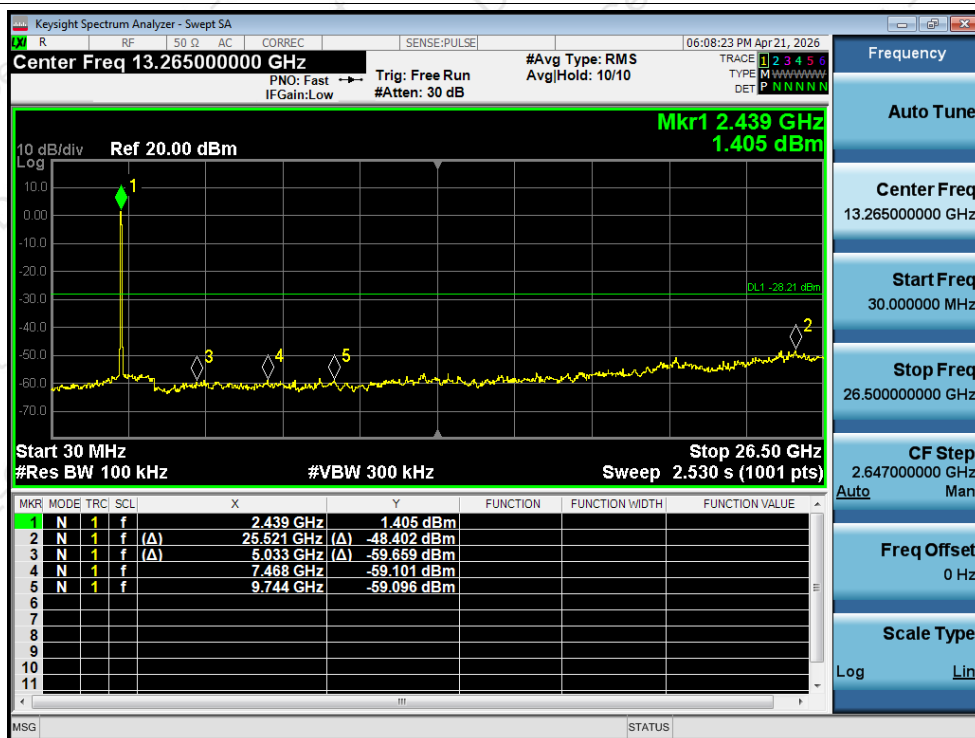
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission



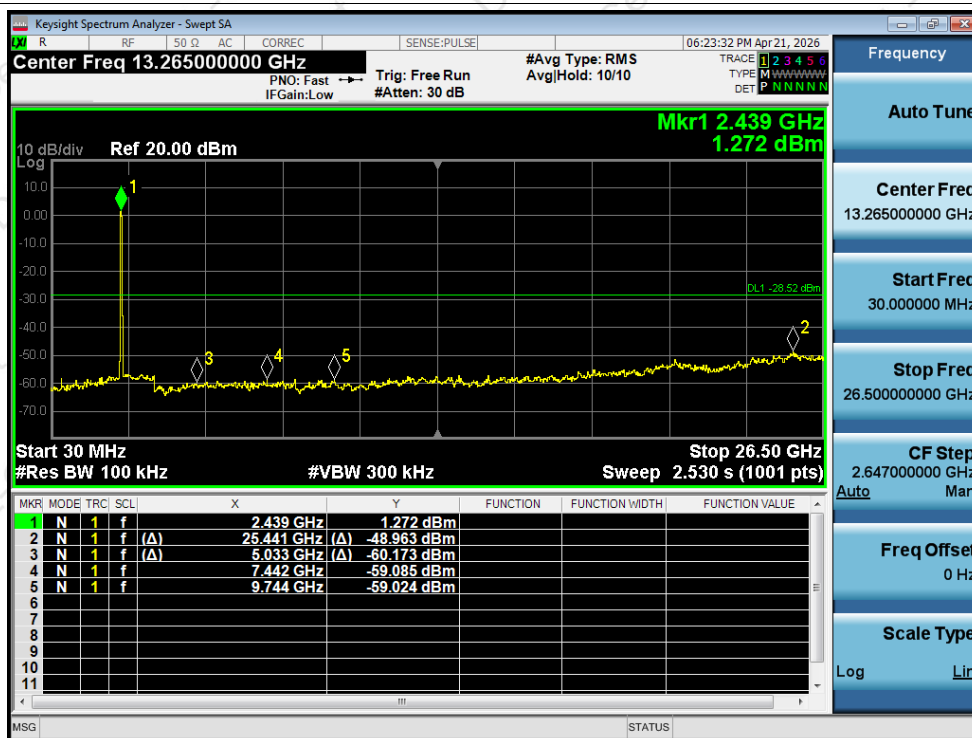
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission