

FCC ID: 2BOMS-DOMETH806DM

Applicant: DOMRAEM Co., Ltd

Address: Room 706, Building 2, Xincanghai No. 18-1, Xiusha Road, Shatian Community Kengzi Subdistrict, Pingshan District Shenzhen, Guangdong, China

Manufacturer: DOMRAEM Co., Ltd

Address: Room 706, Building 2, Xincanghai No. 18-1, Xiusha Road, Shatian Community Kengzi Subdistrict, Pingshan District Shenzhen, Guangdong, China

Product Name: LED Strip Controller

Trade Mark: 

Model Number: DOM-ETH-806DM, DOM-ETH-804DM, DOM-ETH-802DM, DOM-ETH-815DM, DOM-ETH-819DM, DOM-ETH-816DM, DOM-ETH-817DM, DOM-ETH-818DM, DOM-WLE-706P, DOM-WLE-704P, DOM-WLE-702P, DOM-WLE-715P, DOM-Z-651P, DOM-Z-631P, DOM-Z-621P, DOM-Z-251P, DOM-Z-221P, DOM-WLE-308DM, DOM-WLE-306DM, DOM-WLE-302DM

Date of Receipt: Jun. 10, 2026

Test Date: Jun. 10, 2026 - Jun. 25, 2026

Date of Report: Jun. 25, 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

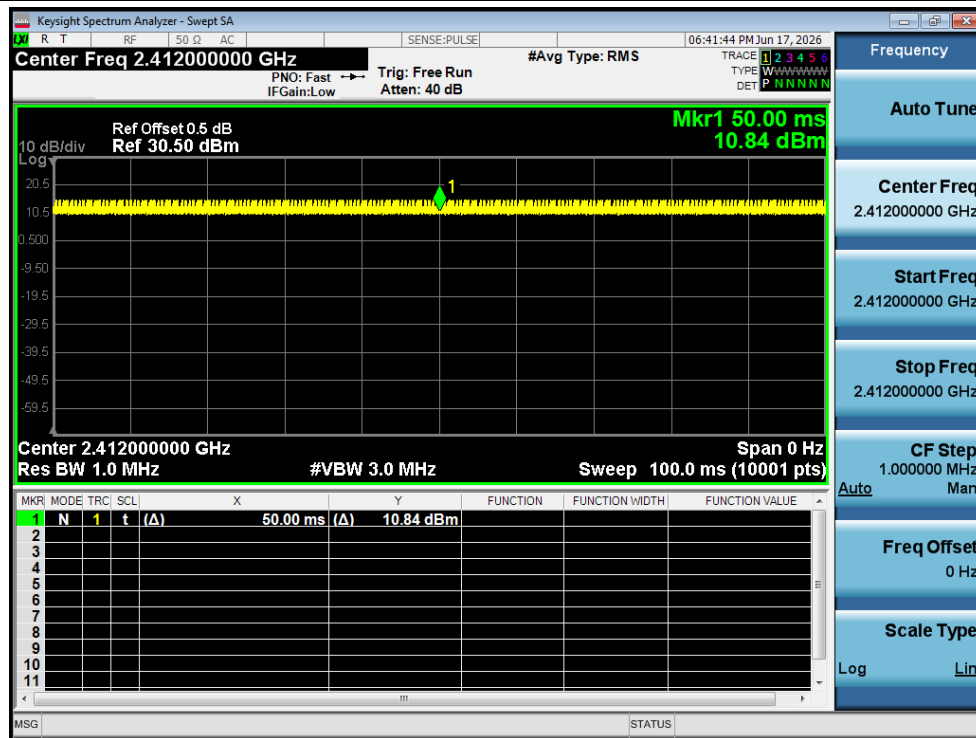
Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2020+Cor.1:2023

Test Result: Pass

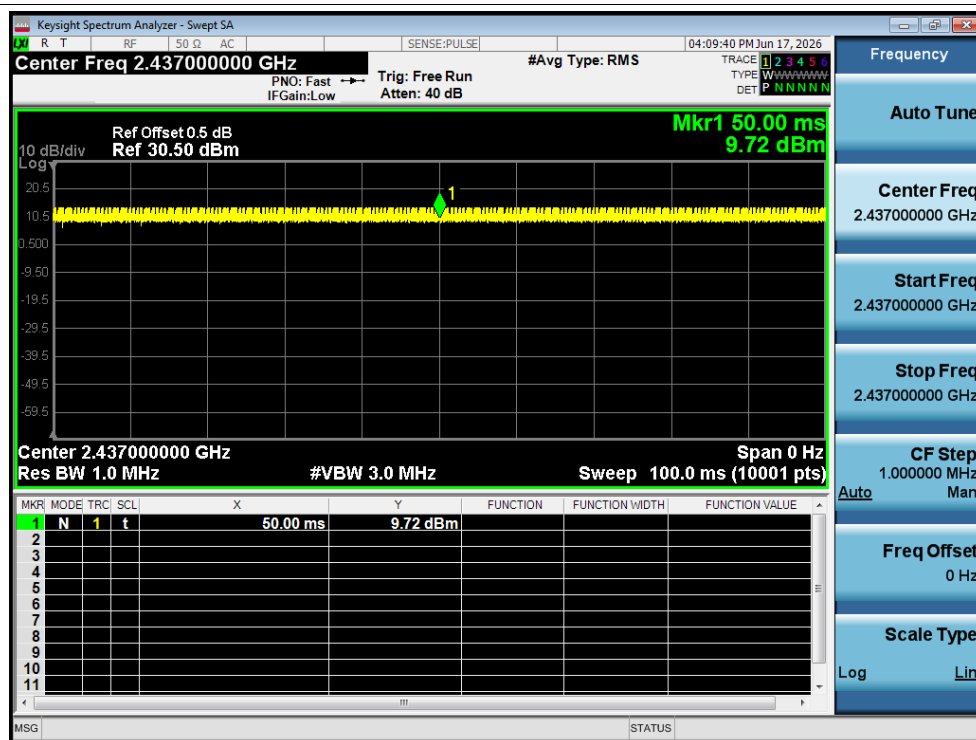
Report Number: DLE-260610028R

Duty Cycle

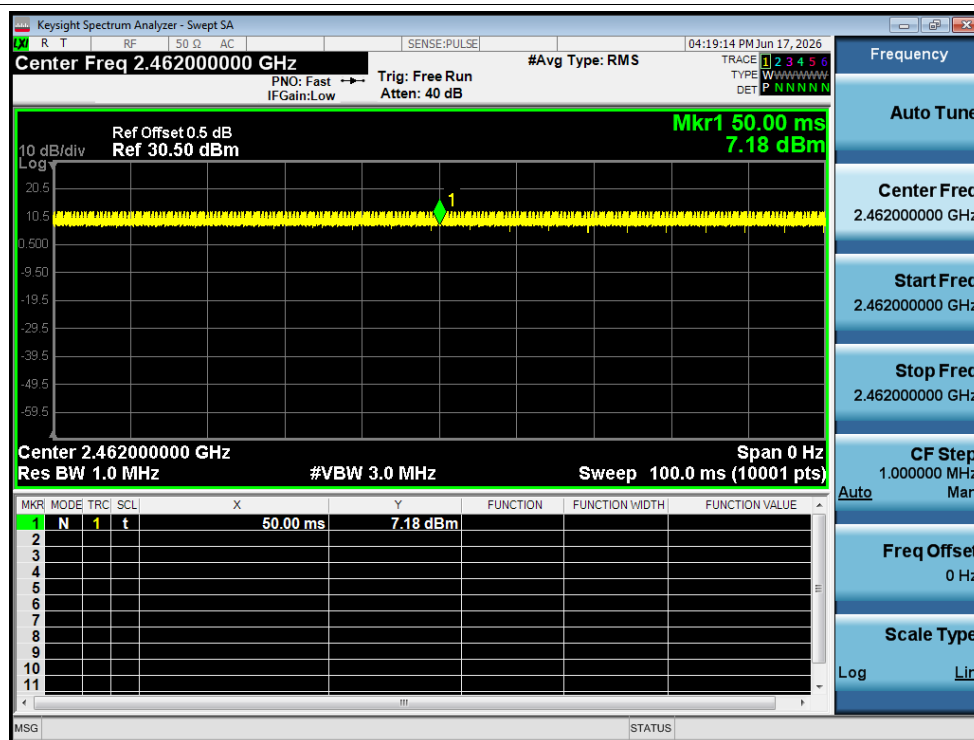
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	100	0	0
NVNT	b	2437	Ant1	100	0	0
NVNT	b	2462	Ant1	100	0	0
NVNT	g	2412	Ant1	100	0	0
NVNT	g	2437	Ant1	100	0	0
NVNT	g	2462	Ant1	100	0	∞
NVNT	n20	2412	Ant1	100	0	0
NVNT	n20	2437	Ant1	100	0	0
NVNT	n20	2462	Ant1	100	0	0
NVNT	n40	2422	Ant1	100	0	0
NVNT	n40	2437	Ant1	100	0	0
NVNT	n40	2452	Ant1	100	0	0



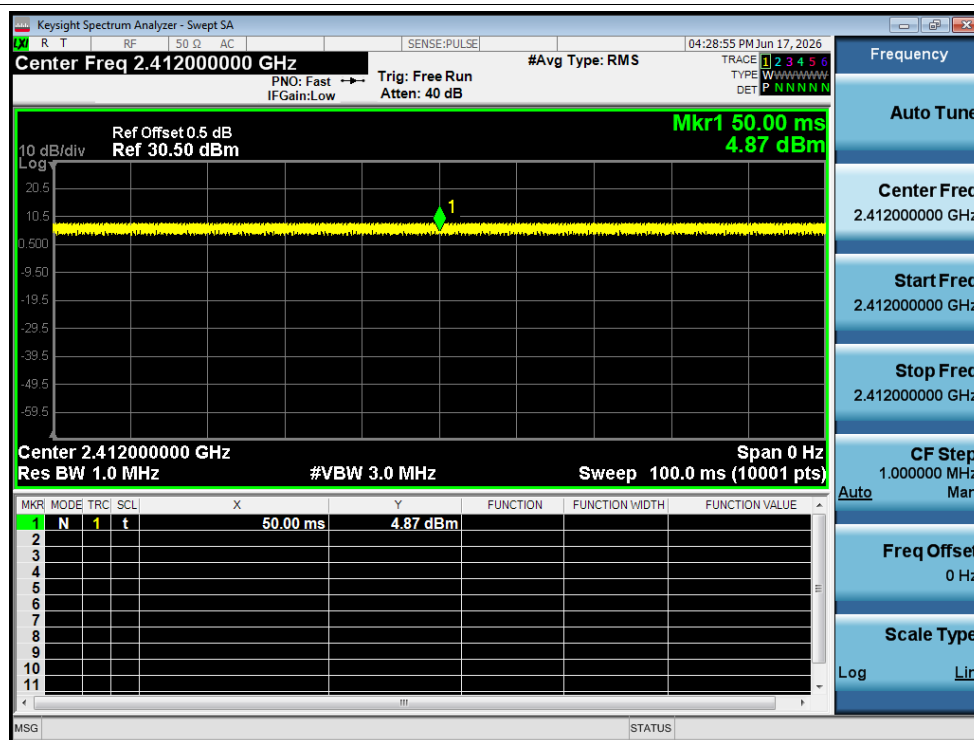
Duty Cycle NVNT b 2412MHz Ant1



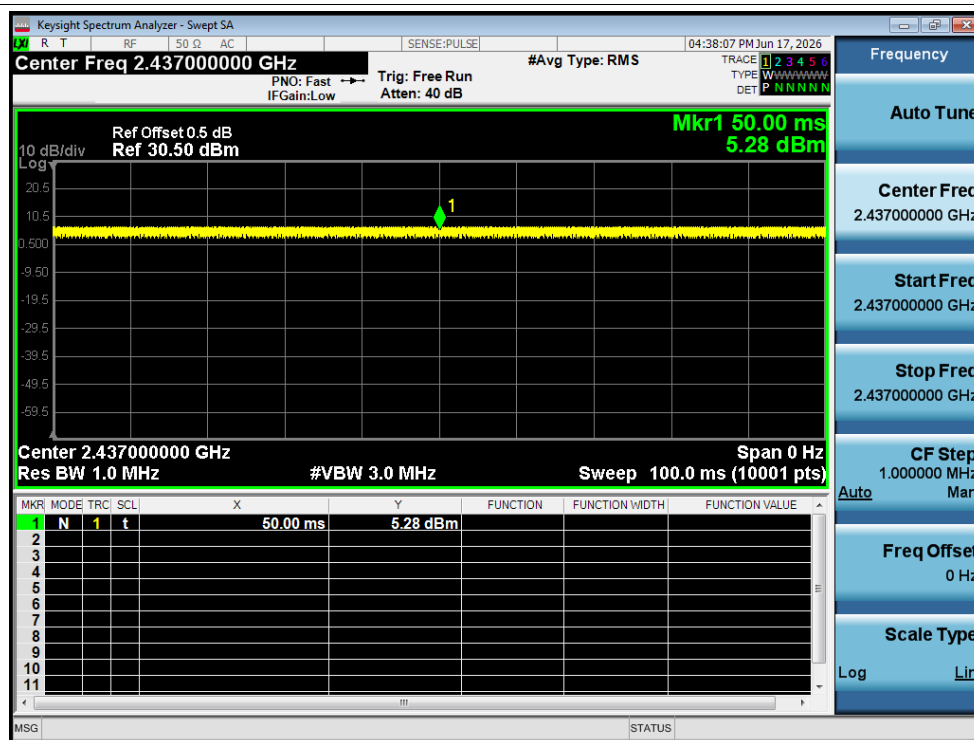
Duty Cycle NVNT b 2437MHz Ant1



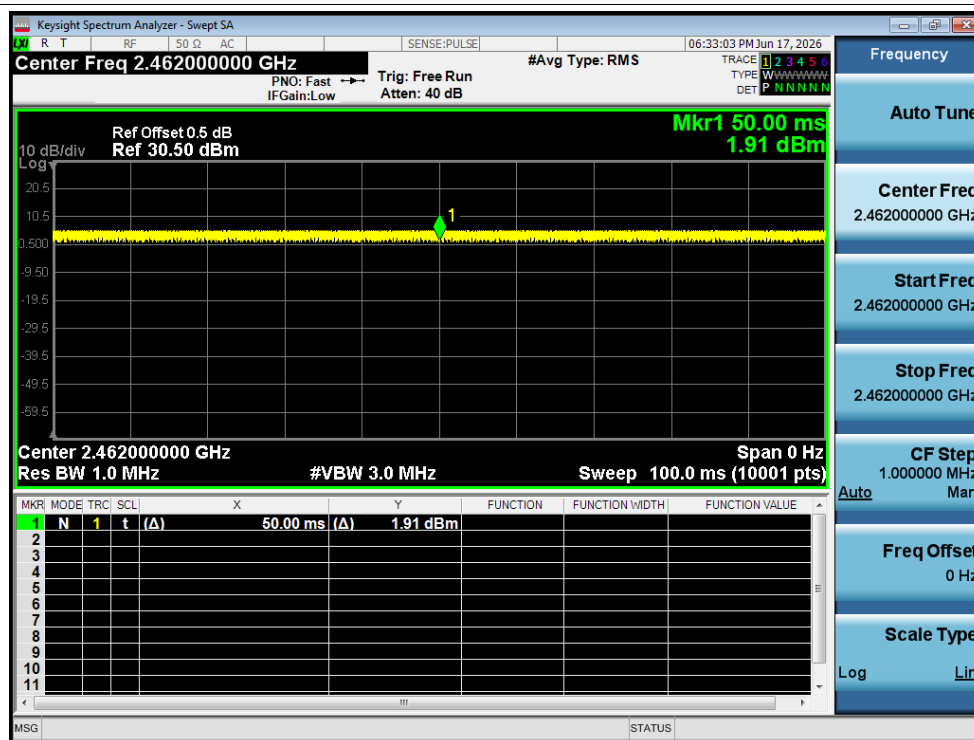
Duty Cycle NVNT b 2462MHz Ant1



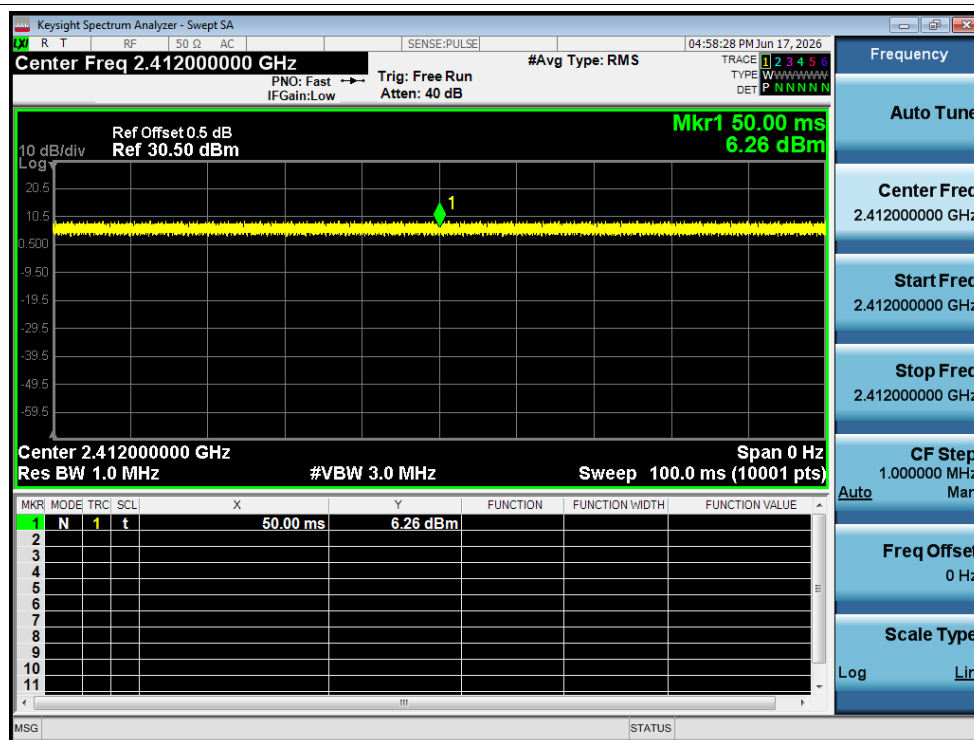
Duty Cycle NVNT g 2412MHz Ant1



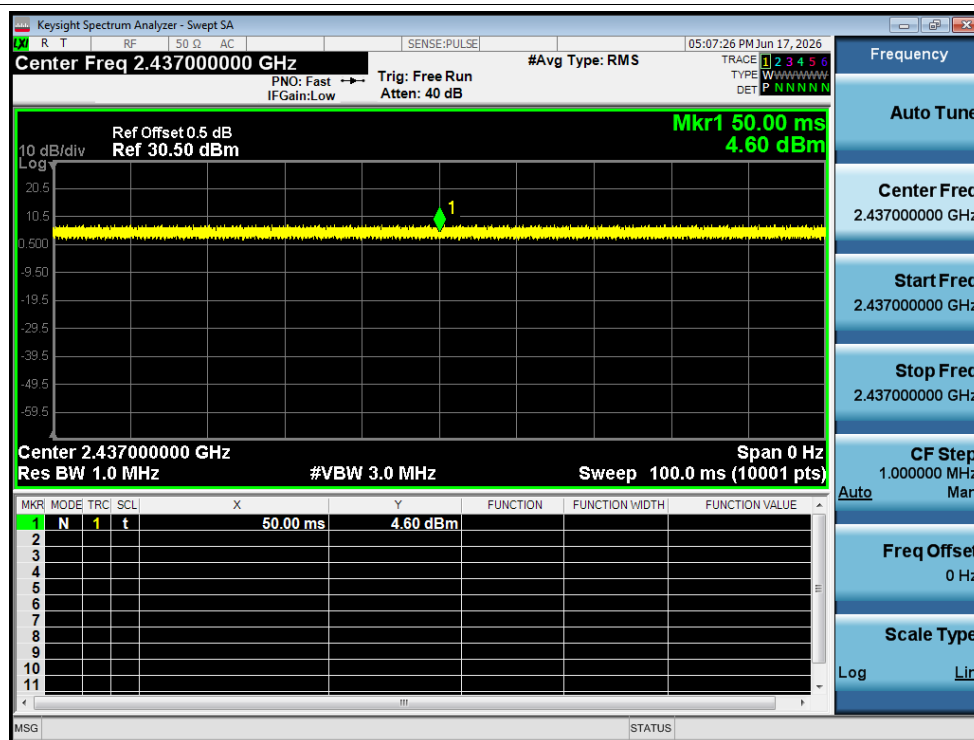
Duty Cycle NVNT g 2437MHz Ant1



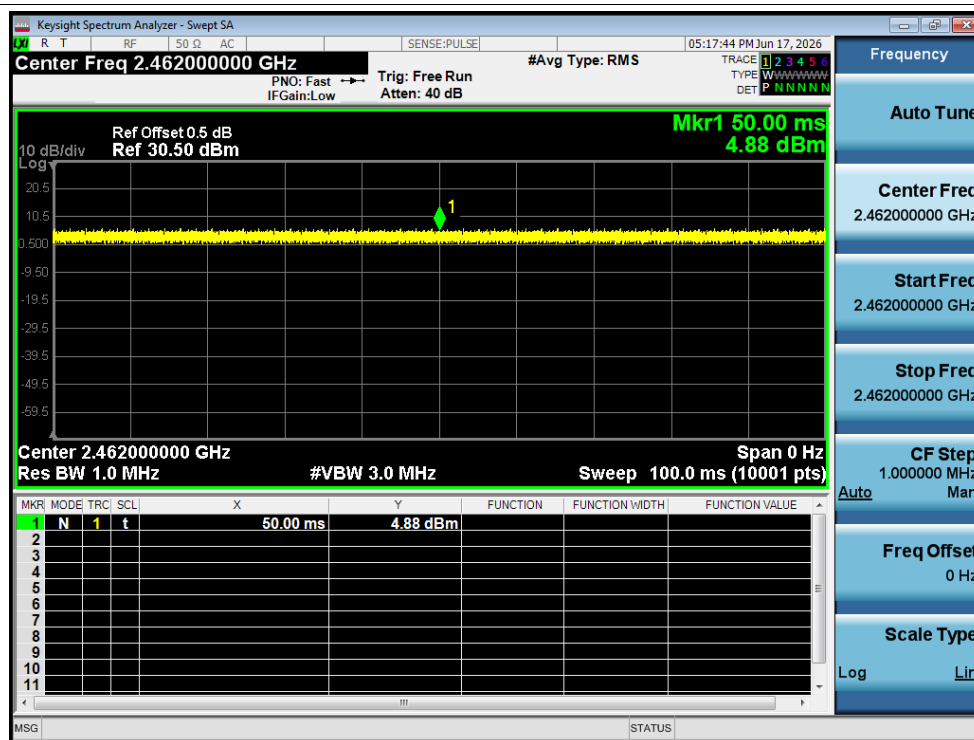
Duty Cycle NVNT g 2462MHz Ant1



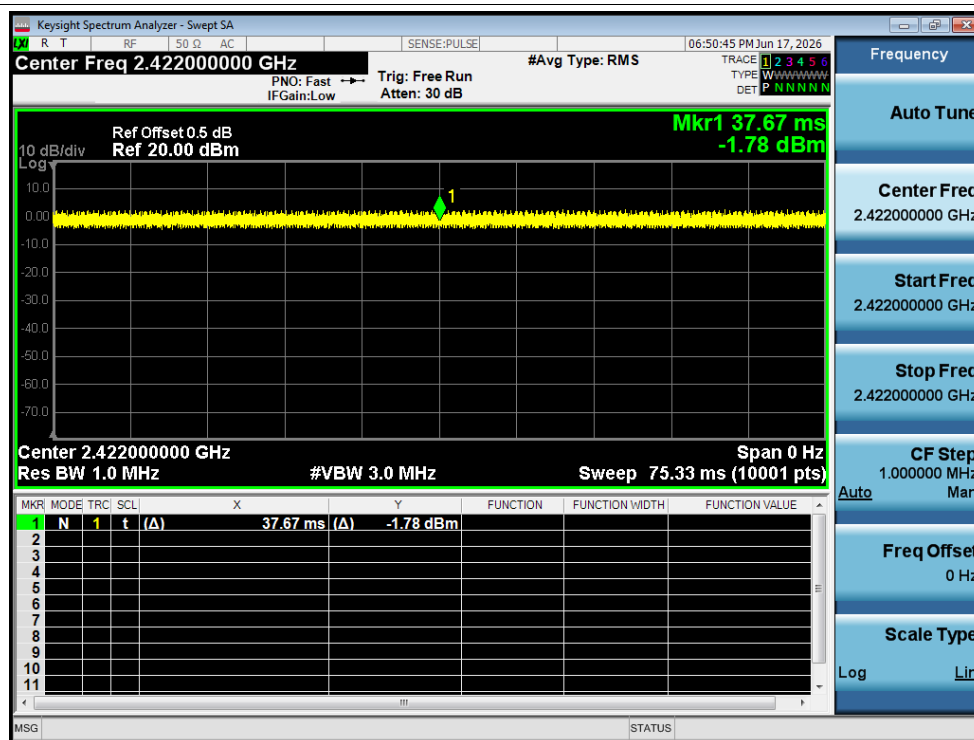
Duty Cycle NVNT n20 2412MHz Ant1



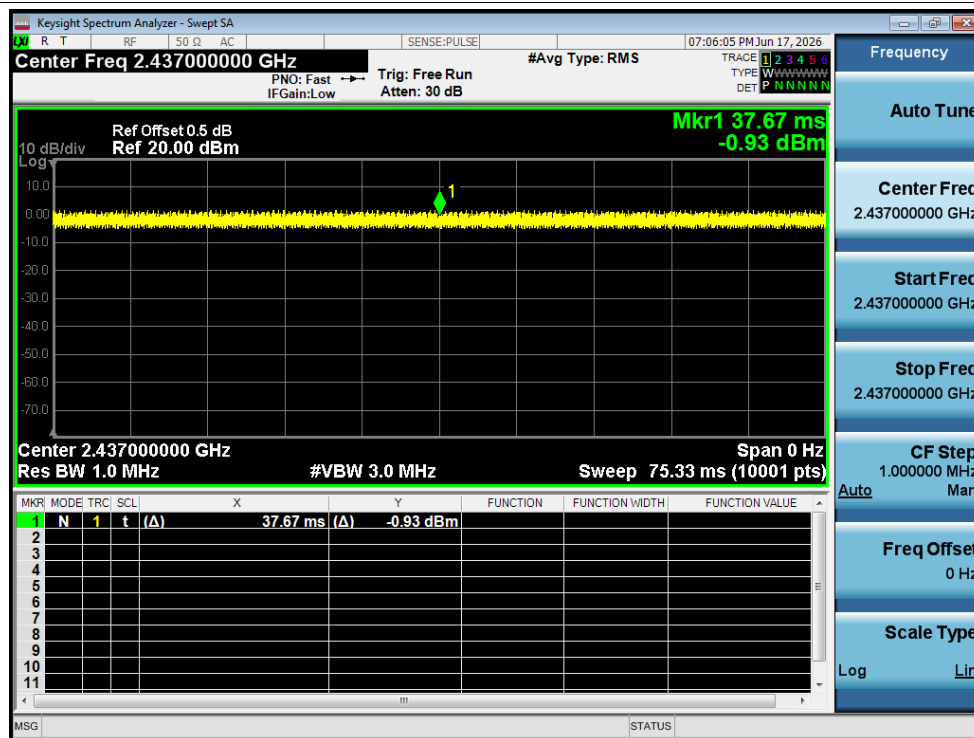
Duty Cycle NVNT n20 2437MHz Ant1



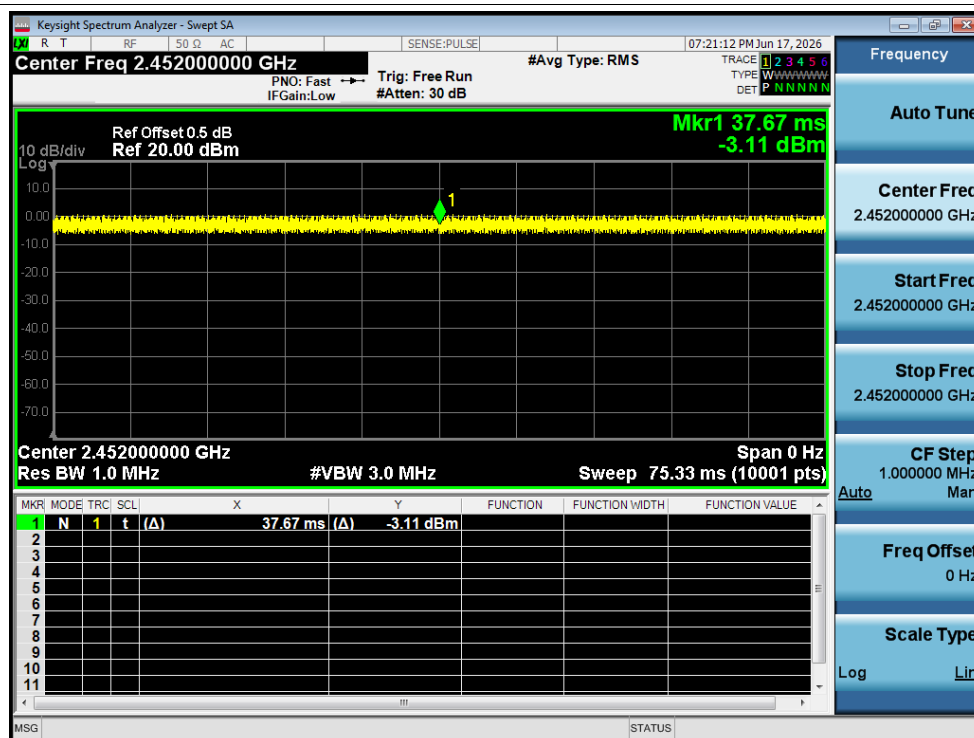
Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1

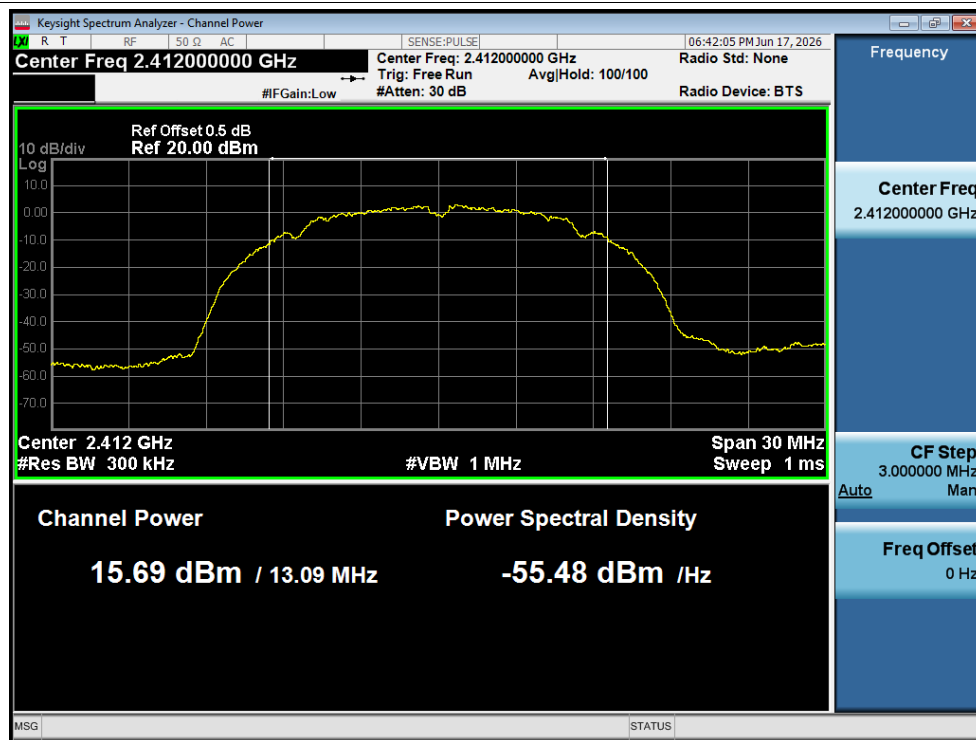


Duty Cycle NVNT n40 2452MHz Ant1

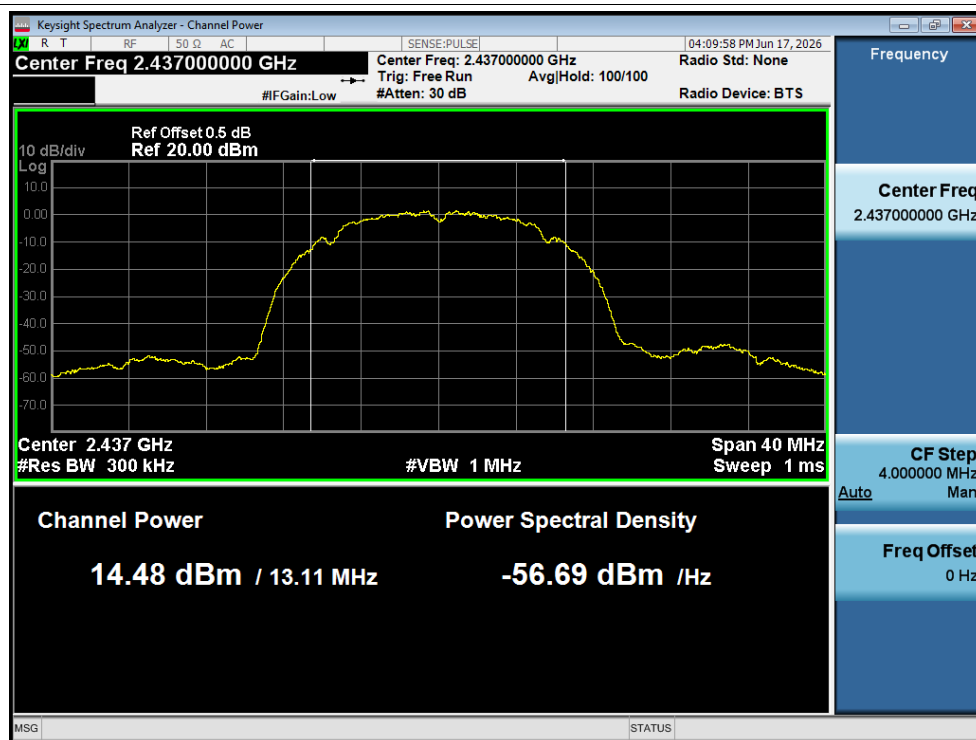
Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Limit Conducted(dBm)	Verdict
NVNT	b	2412	Ant1	15.69	0	15.69	30	Pass
NVNT	b	2437	Ant1	14.48	0	14.48	30	Pass
NVNT	b	2462	Ant1	13	0	13	30	Pass
NVNT	g	2412	Ant1	13.59	0	13.59	30	Pass
NVNT	g	2437	Ant1	12.48	0	12.48	30	Pass
NVNT	g	2462	Ant1	11.01	0	11.01	30	Pass
NVNT	n20	2412	Ant1	13.41	0	13.41	30	Pass
NVNT	n20	2437	Ant1	12.19	0	12.19	30	Pass
NVNT	n20	2462	Ant1	10.64	0	10.64	30	Pass
NVNT	n40	2422	Ant1	12.25	0	12.25	30	Pass
NVNT	n40	2437	Ant1	11.35	0	11.35	30	Pass
NVNT	n40	2452	Ant1	10.61	0	10.61	30	Pass

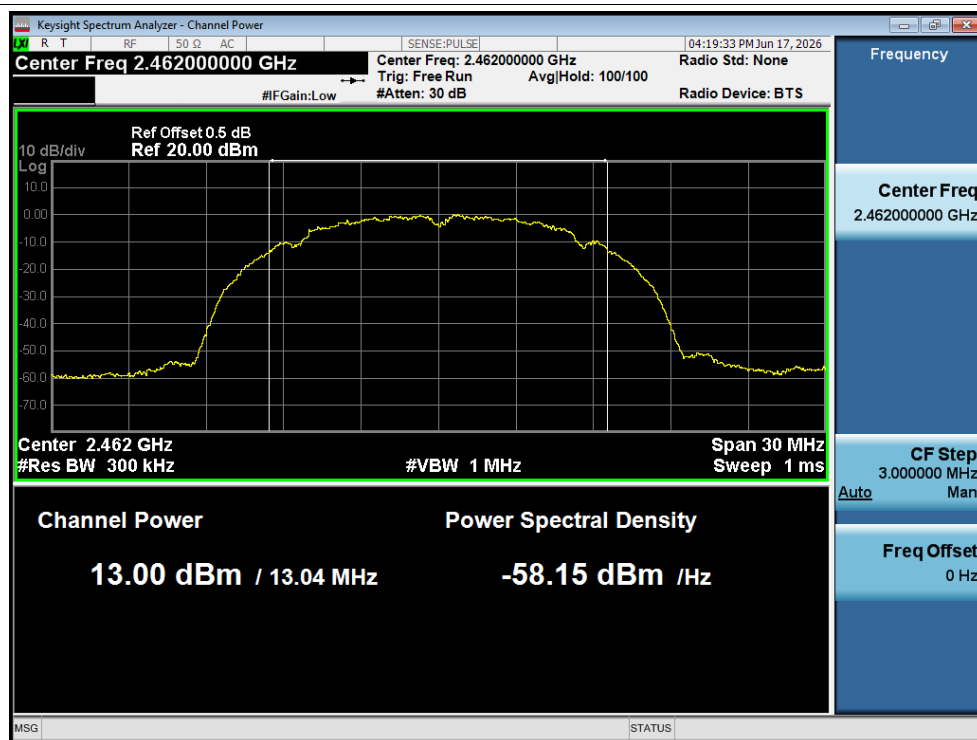
Report



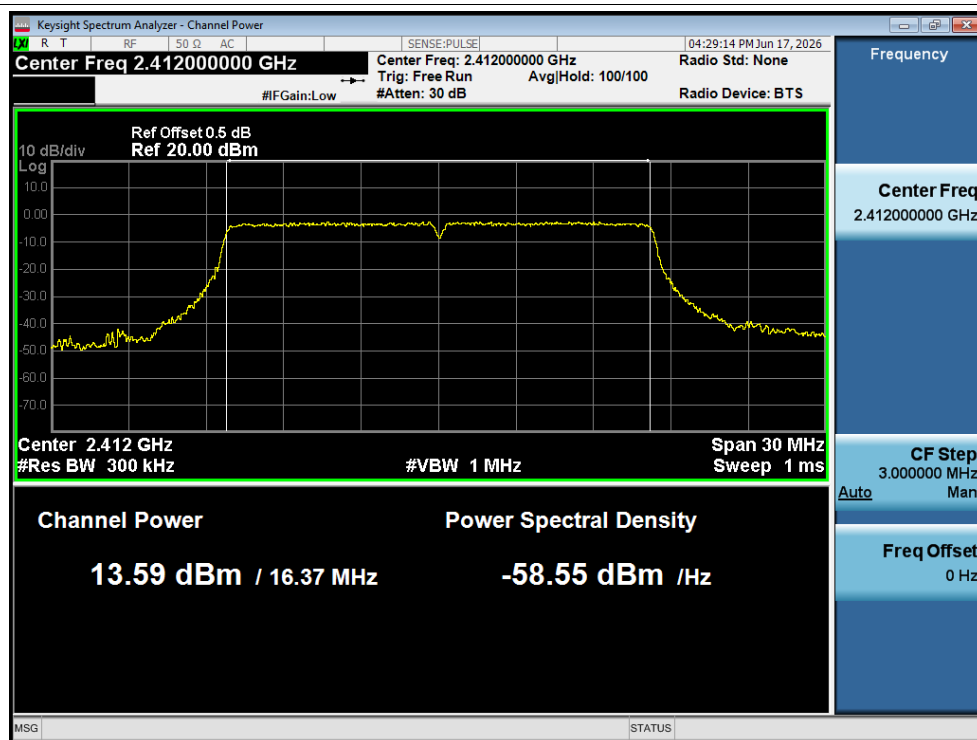
Average Power NVNT b 2412MHz Ant1



Average Power NVNT b 2437MHz Ant1

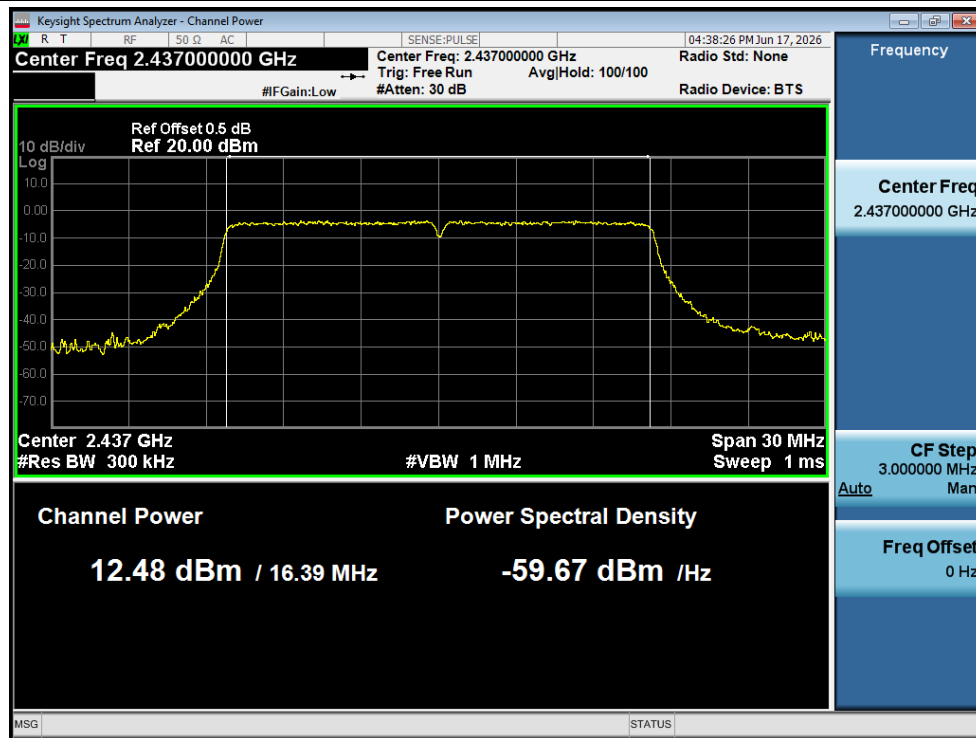


Average Power NVNT b 2462MHz Ant1

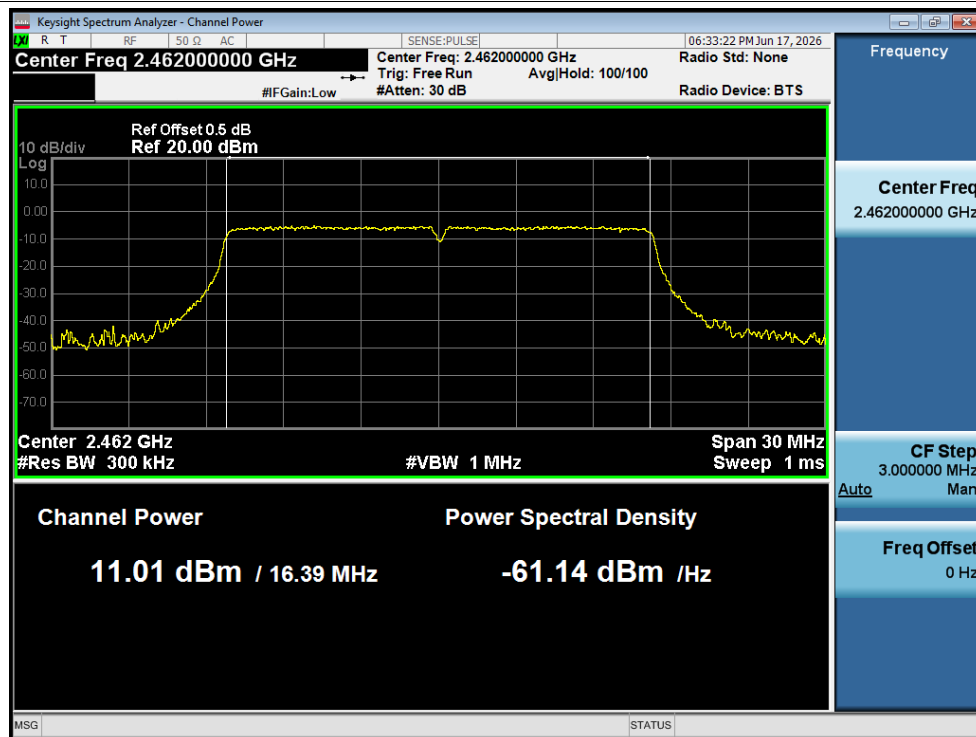


Average Power NVNT g 2412MHz Ant1

Report

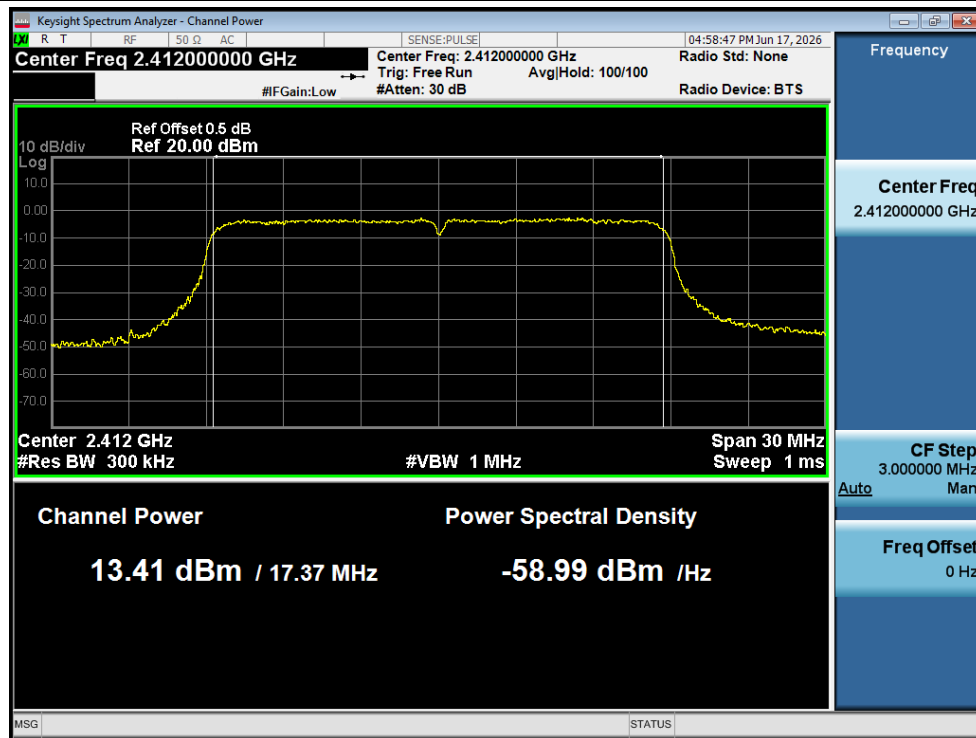


Average Power NVNT g 2437MHz Ant1

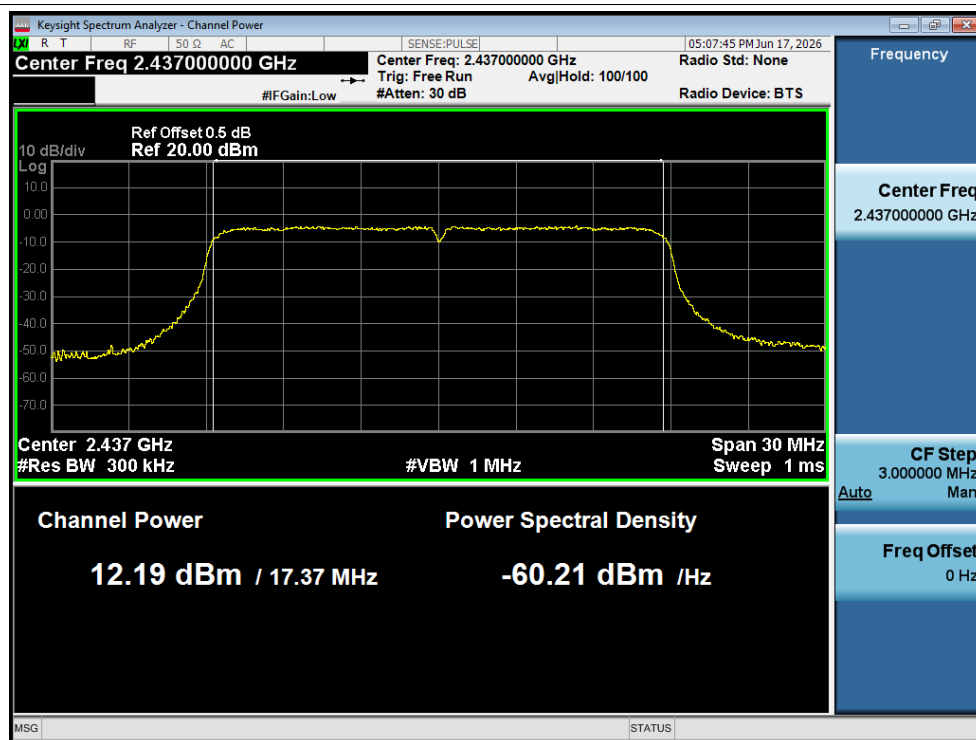


Average Power NVNT g 2462MHz Ant1

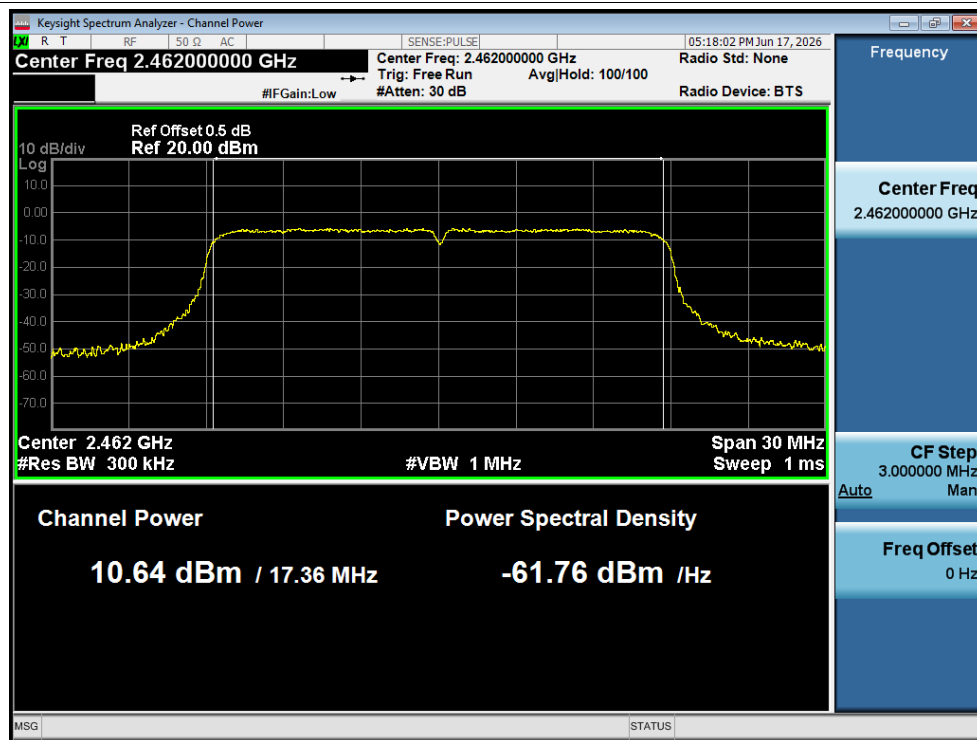
Report



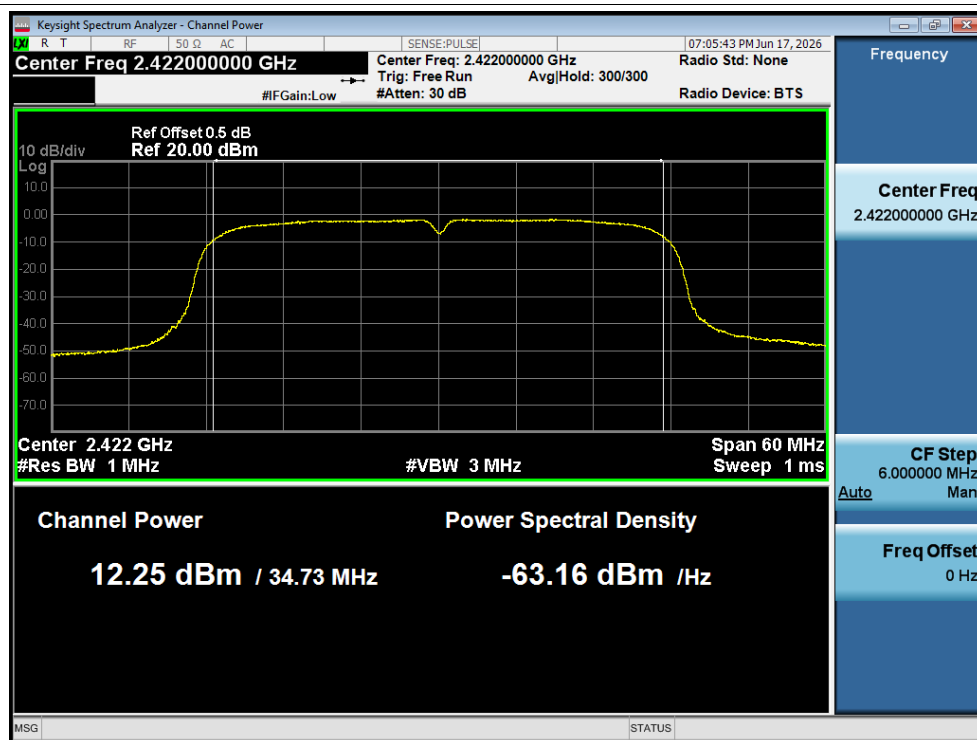
Average Power NVNT n20 2412MHz Ant1



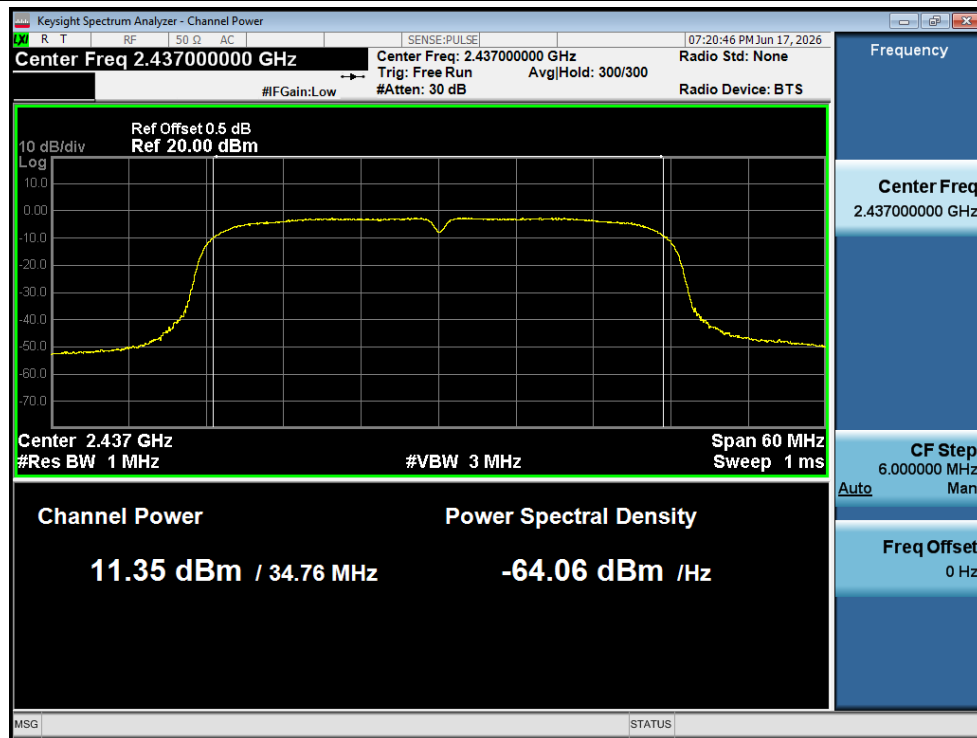
Average Power NVNT n20 2437MHz Ant1



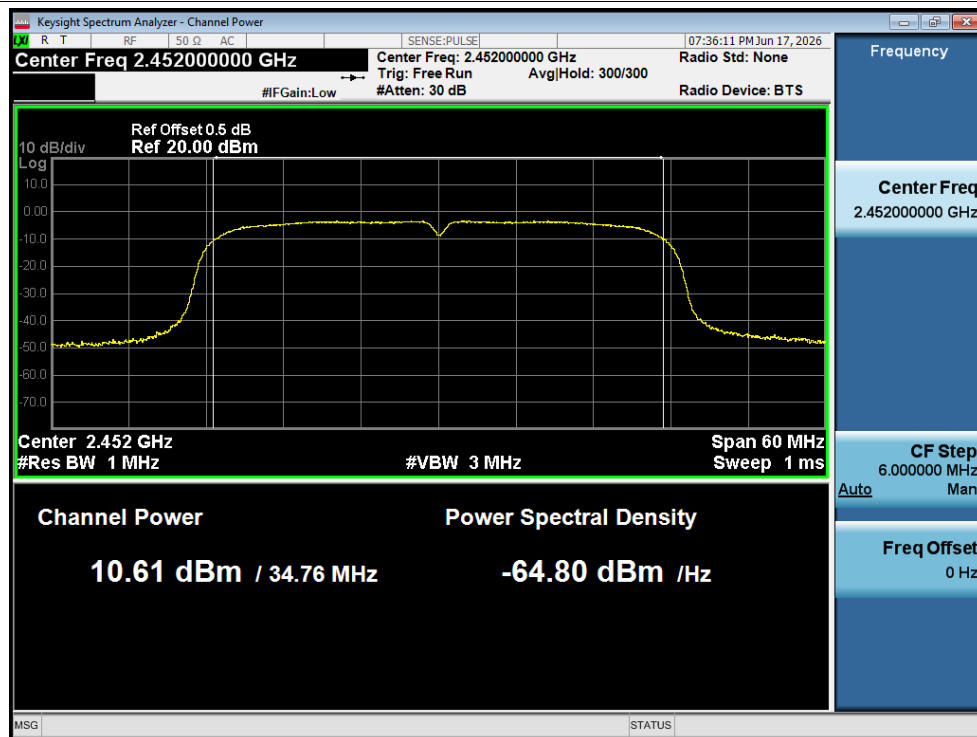
Average Power NVNT n20 2462MHz Ant1



Average Power NVNT n40 2422MHz Ant1



Average Power NVNT n40 2437MHz Ant1



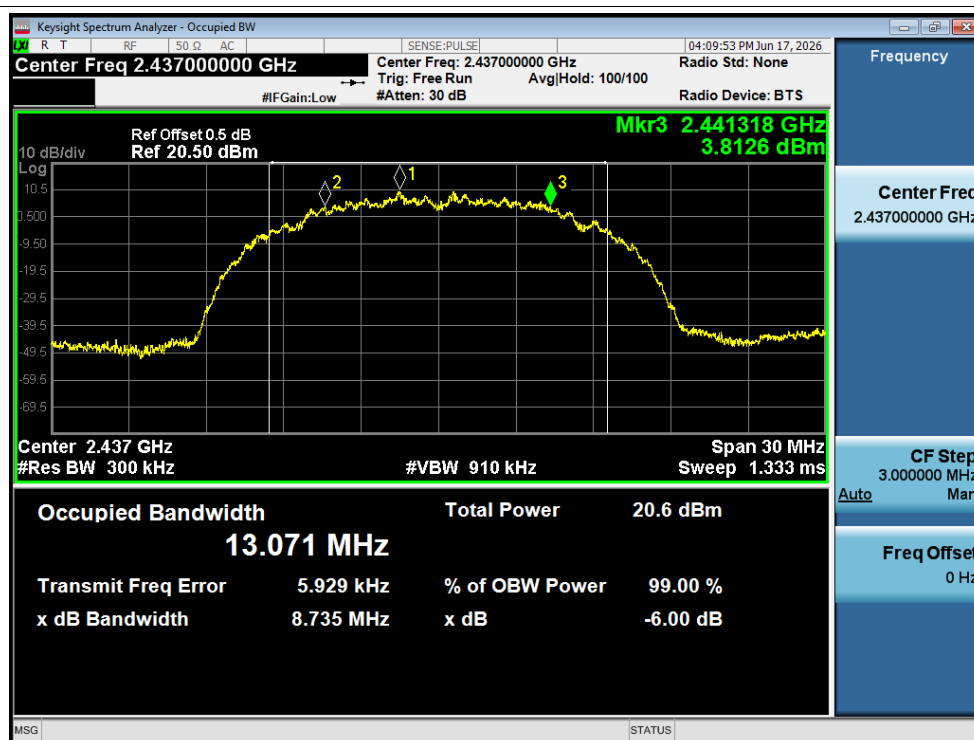
Average Power NVNT n40 2452MHz Ant1

-6dB Bandwidth

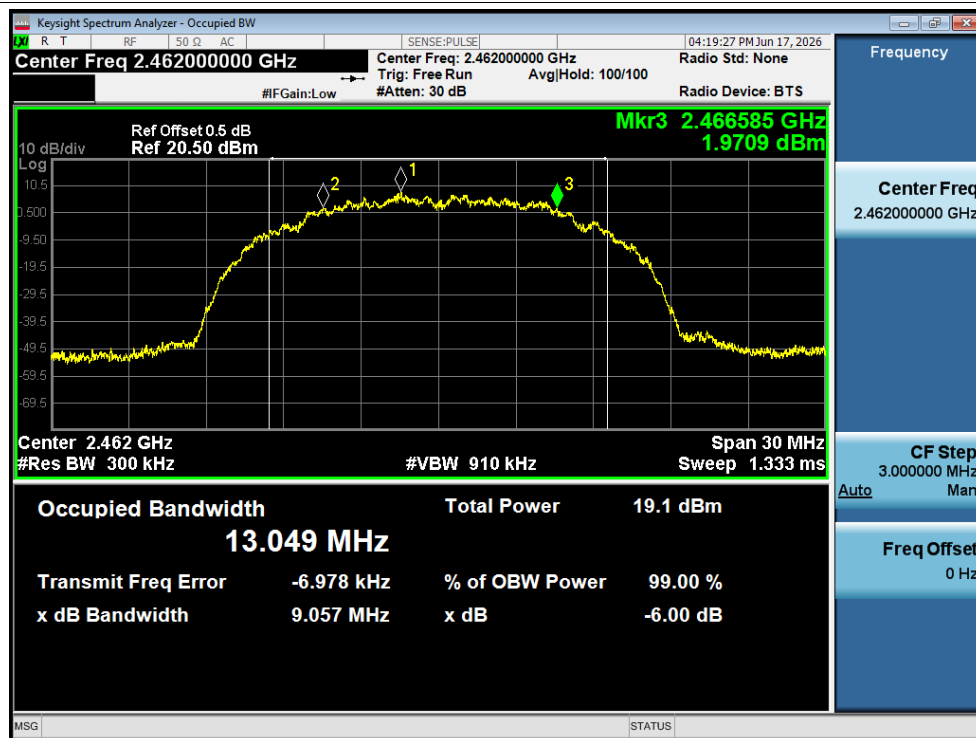
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.708	0.5	Pass
NVNT	b	2437	Ant1	8.735	0.5	Pass
NVNT	b	2462	Ant1	9.057	0.5	Pass
NVNT	g	2412	Ant1	16.32	0.5	Pass
NVNT	g	2437	Ant1	16.3	0.5	Pass
NVNT	g	2462	Ant1	16.41	0.5	Pass
NVNT	n20	2412	Ant1	17.3	0.5	Pass
NVNT	n20	2437	Ant1	17.31	0.5	Pass
NVNT	n20	2462	Ant1	17.29	0.5	Pass
NVNT	n40	2422	Ant1	32.96	0.5	Pass
NVNT	n40	2437	Ant1	33.11	0.5	Pass
NVNT	n40	2452	Ant1	33.31	0.5	Pass



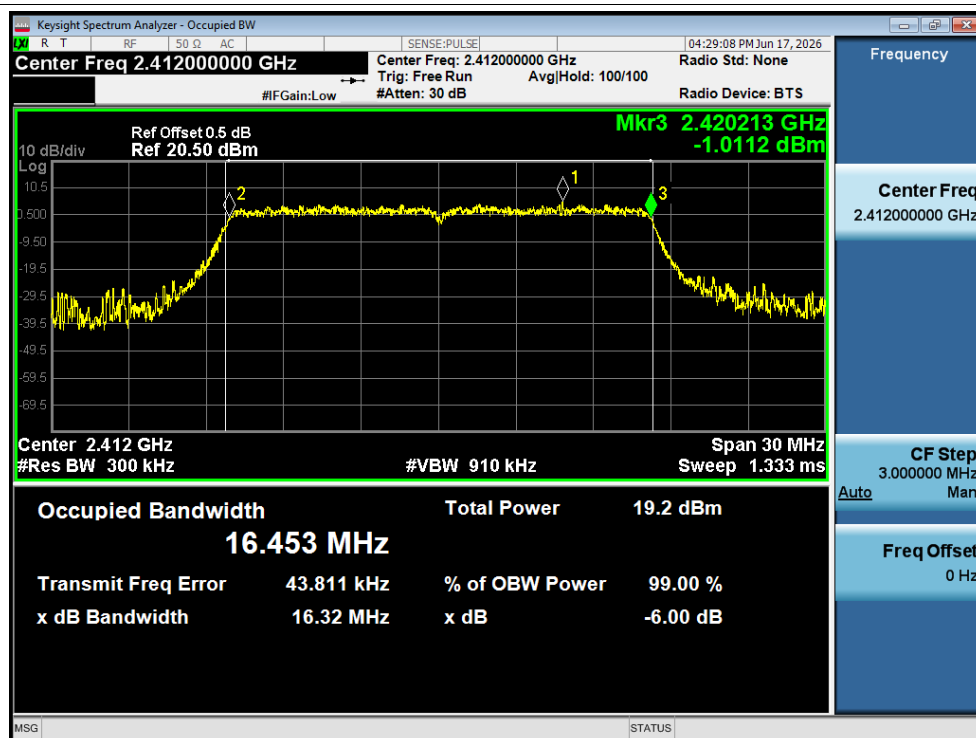
-6dB Bandwidth NVNT b 2412MHz Ant1



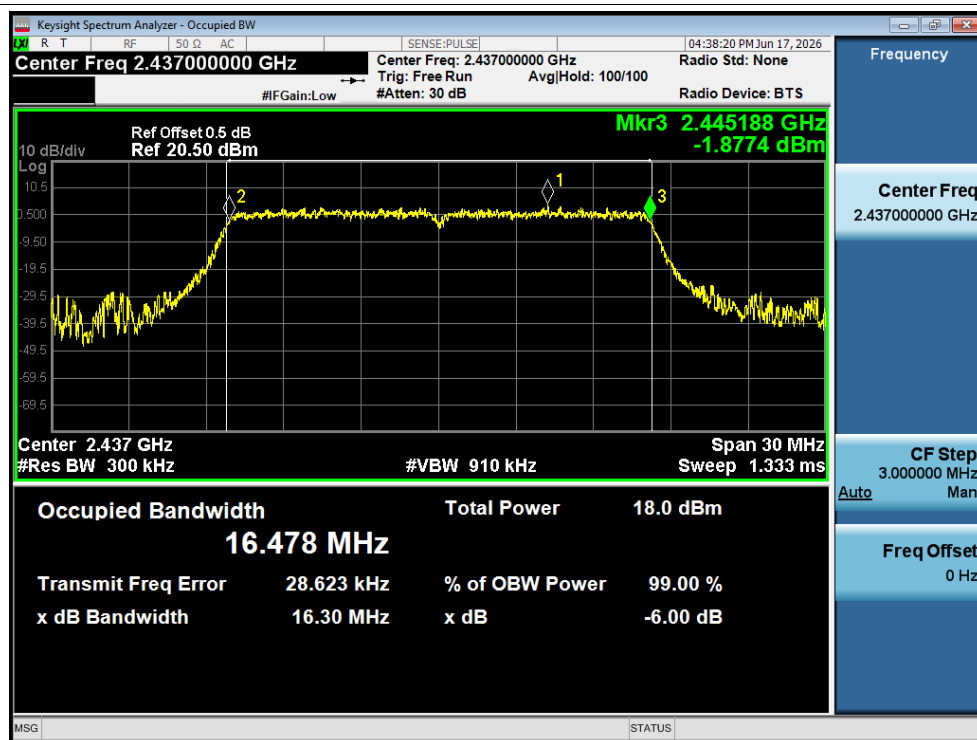
-6dB Bandwidth NVNT b 2437MHz Ant1



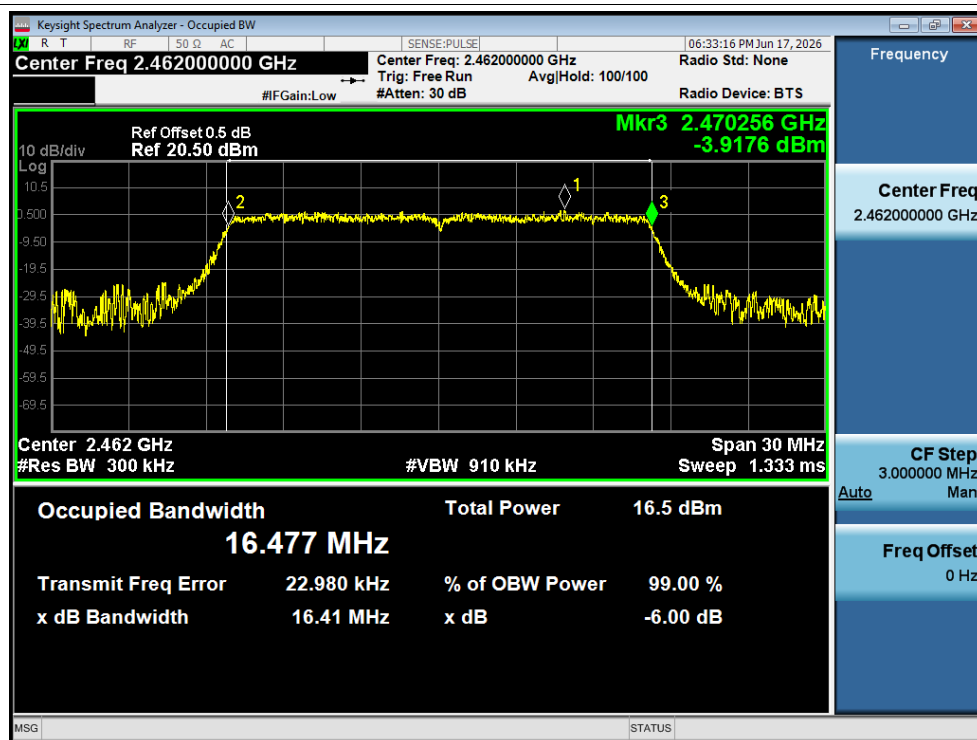
-6dB Bandwidth NVNT b 2462MHz Ant1



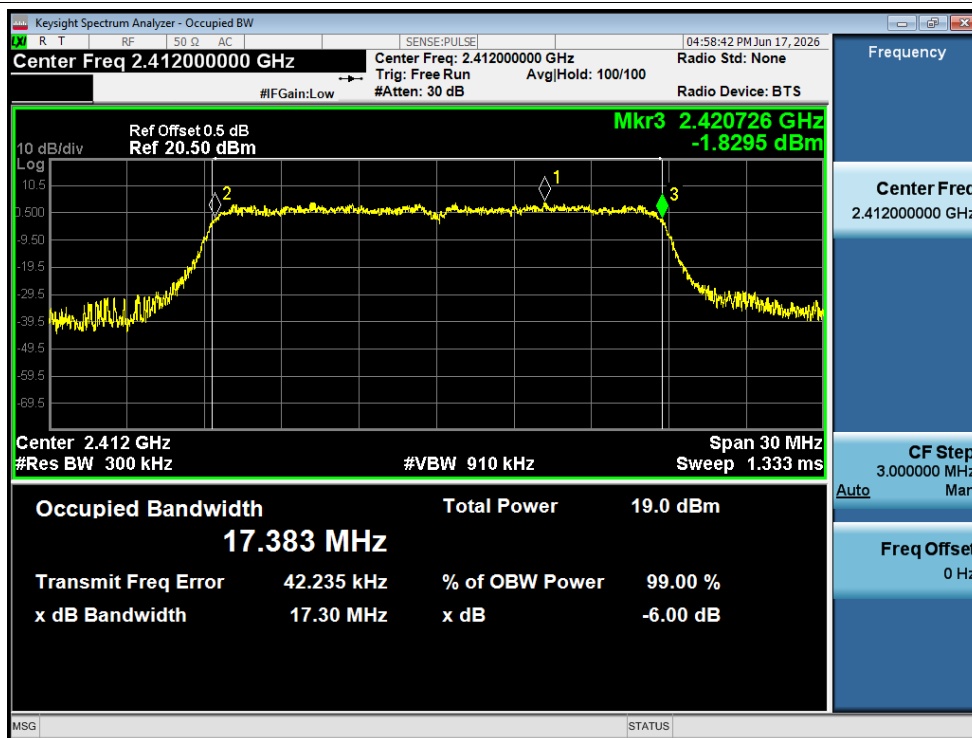
-6dB Bandwidth NVNT g 2412MHz Ant1



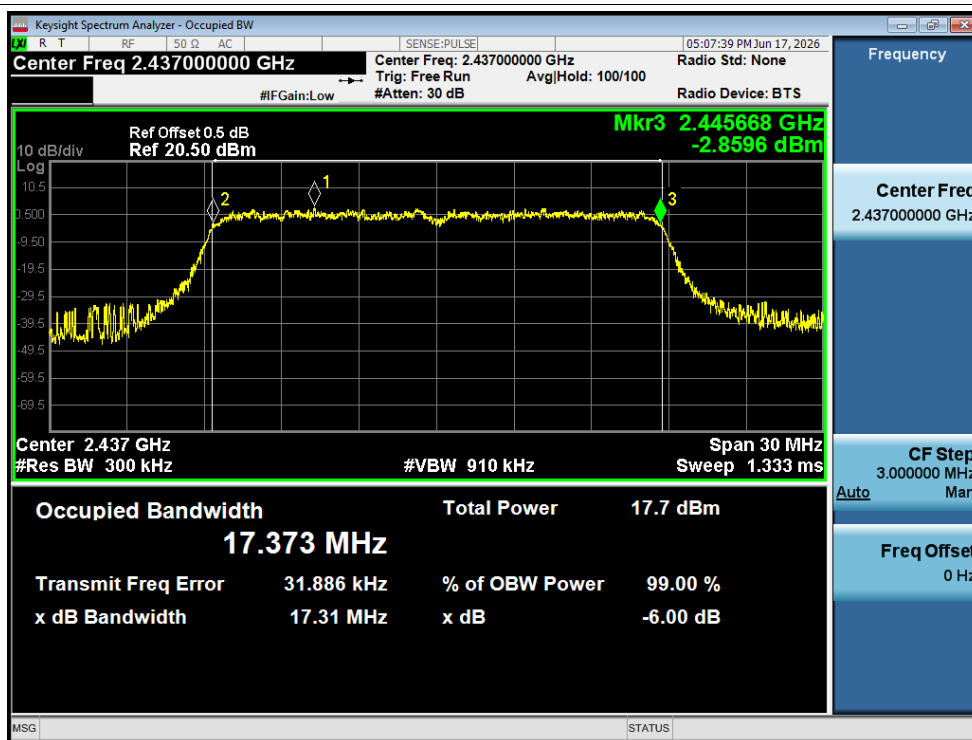
-6dB Bandwidth NVNT g 2437MHz Ant1



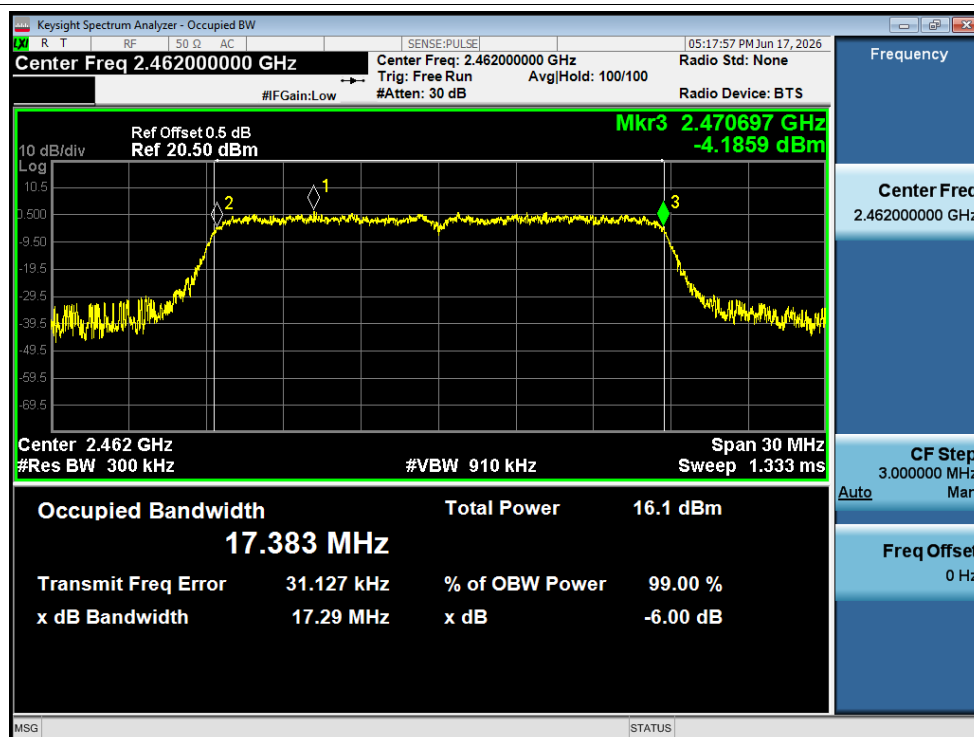
-6dB Bandwidth NVNT g 2462MHz Ant1



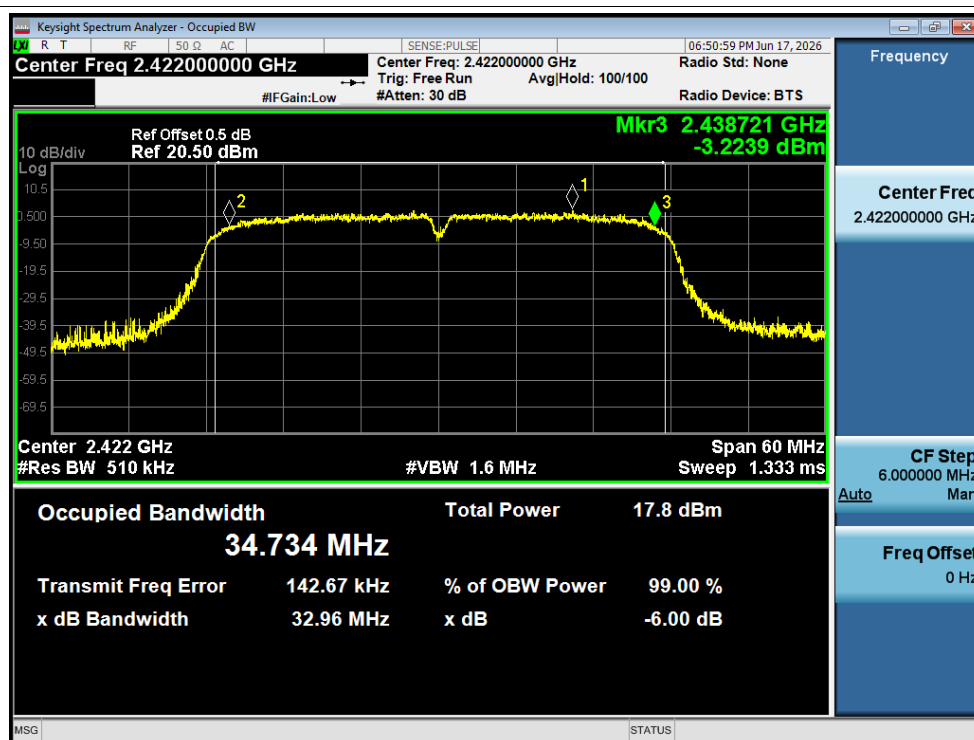
-6dB Bandwidth NVNT n20 2412MHz Ant1



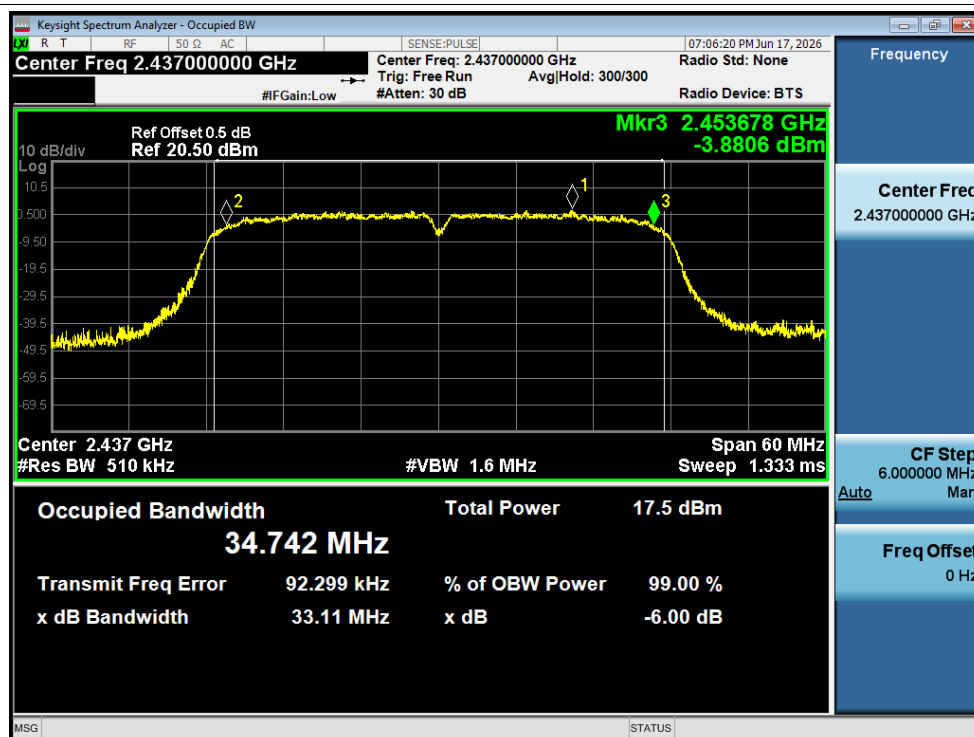
-6dB Bandwidth NVNT n20 2437MHz Ant1



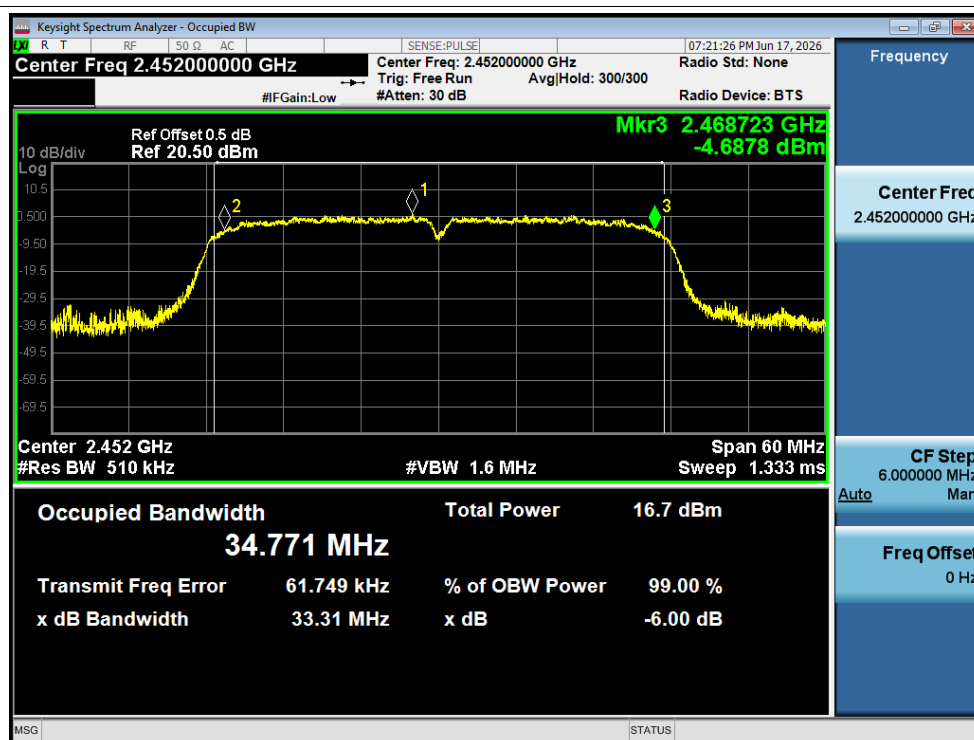
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



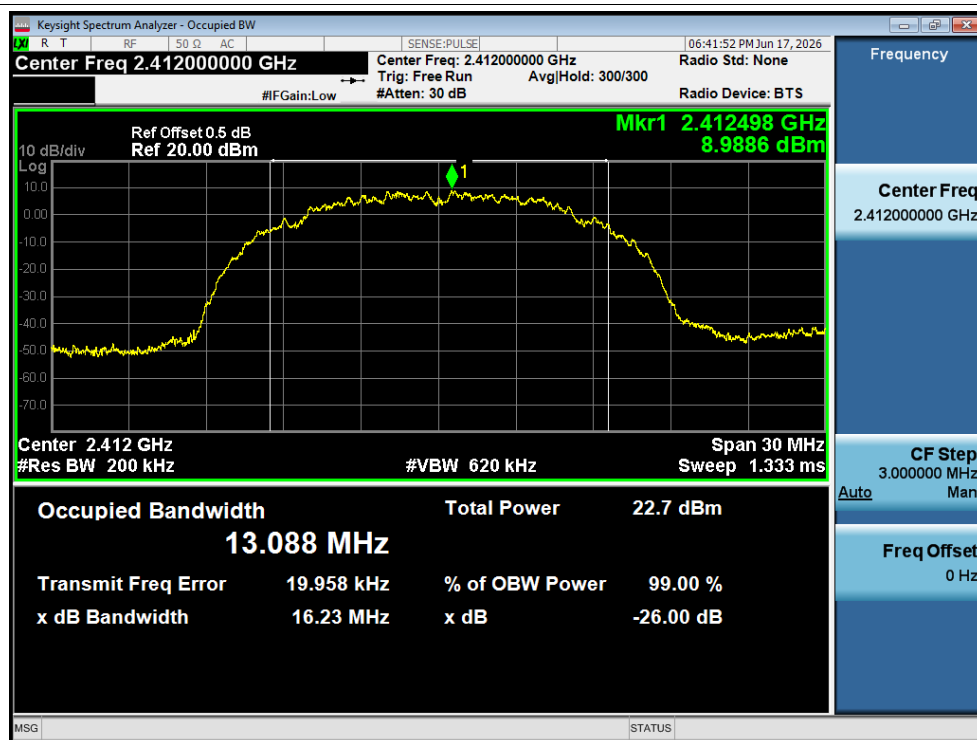
-6dB Bandwidth NVNT n40 2437MHz Ant1



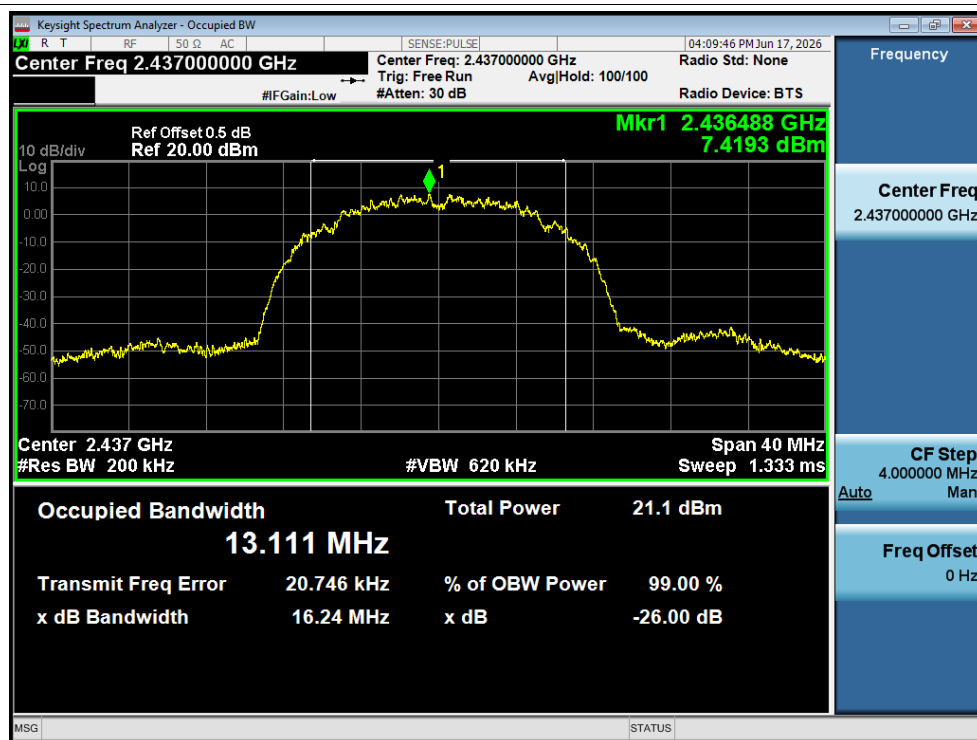
-6dB Bandwidth NVNT n40 2452MHz Ant1

Occupied Channel Bandwidth

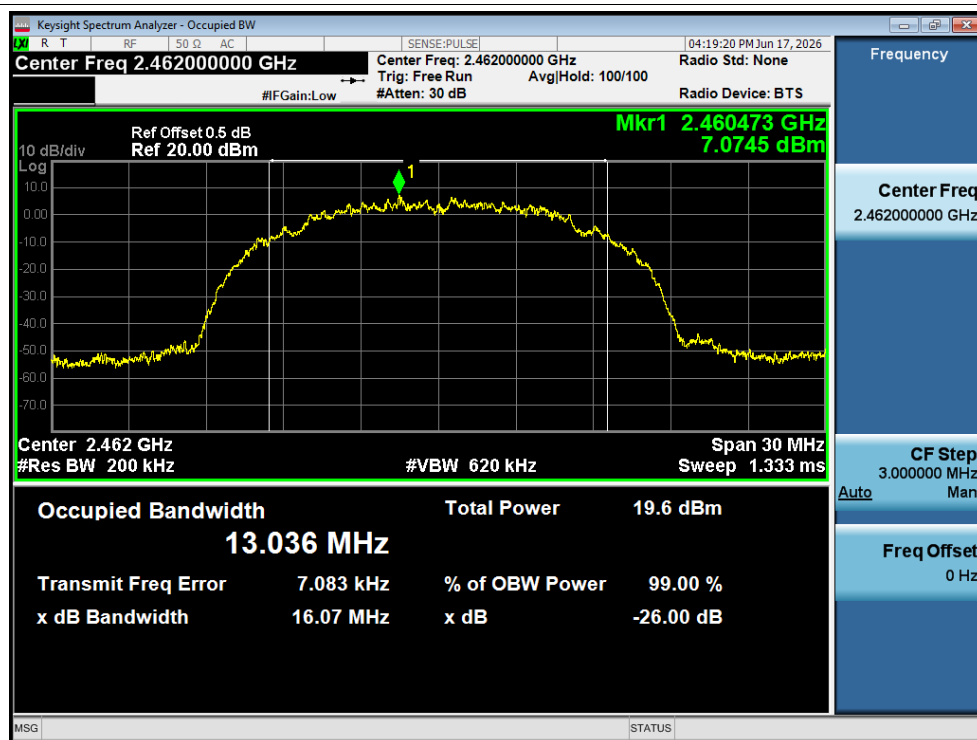
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.088
NVNT	b	2437	Ant1	13.111
NVNT	b	2462	Ant1	13.036
NVNT	g	2412	Ant1	16.373
NVNT	g	2437	Ant1	16.391
NVNT	g	2462	Ant1	16.39
NVNT	n20	2412	Ant1	17.366
NVNT	n20	2437	Ant1	17.365
NVNT	n20	2462	Ant1	17.364
NVNT	n40	2422	Ant1	34.725
NVNT	n40	2437	Ant1	34.757
NVNT	n40	2452	Ant1	34.763



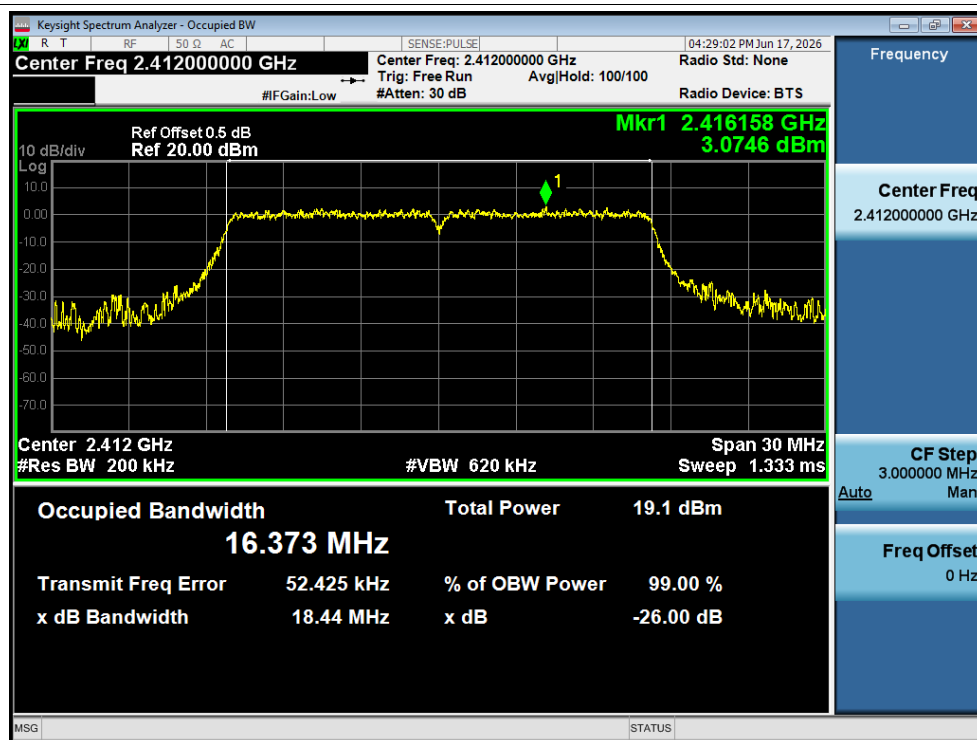
OBW NVNT b 2412MHz Ant1



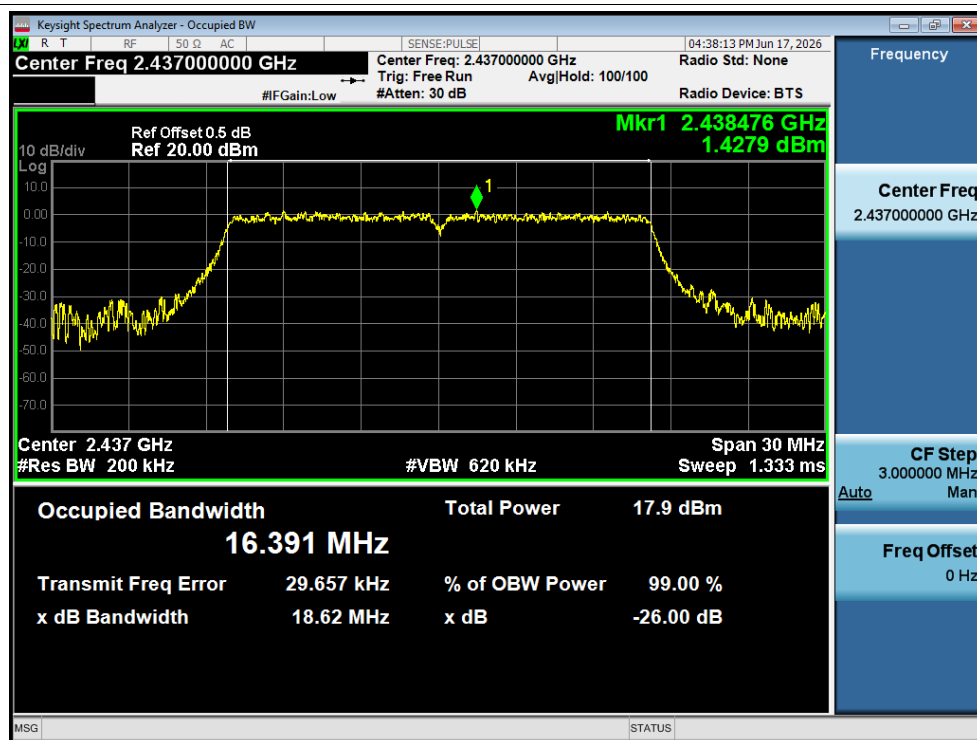
OBW NVNT b 2437MHz Ant1



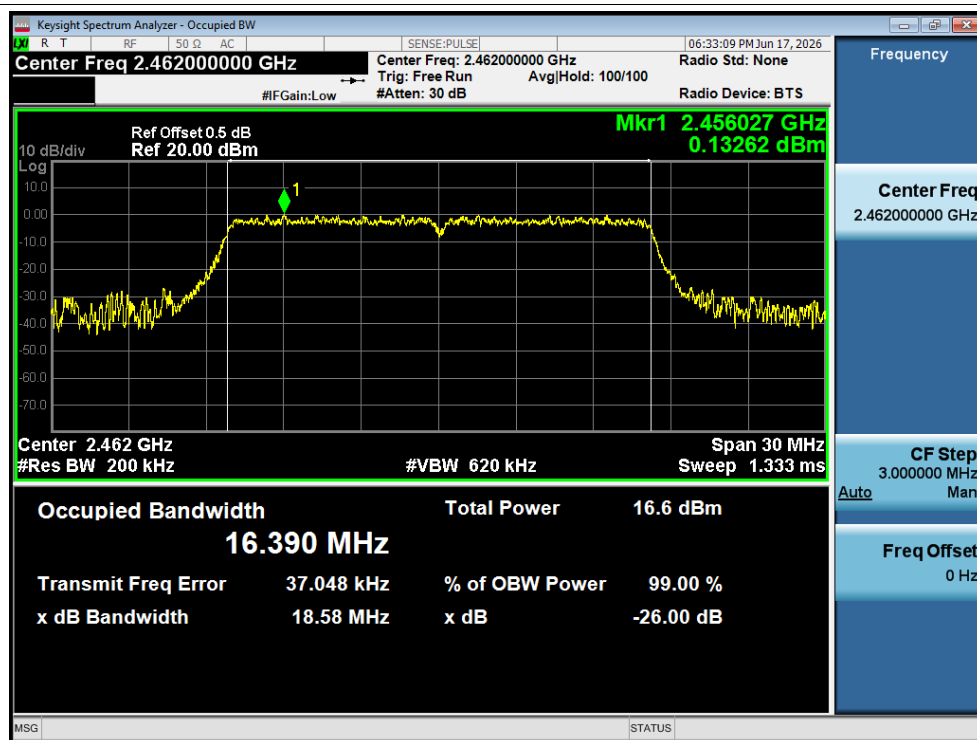
OBW NVNT b 2462MHz Ant1



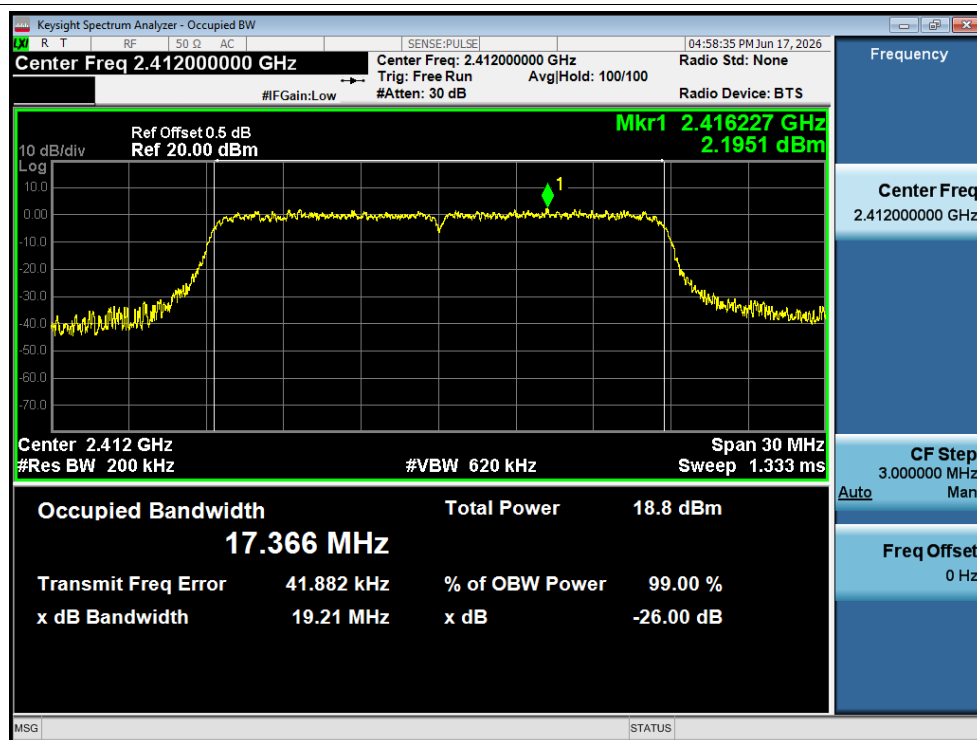
OBW NVNT g 2412MHz Ant1



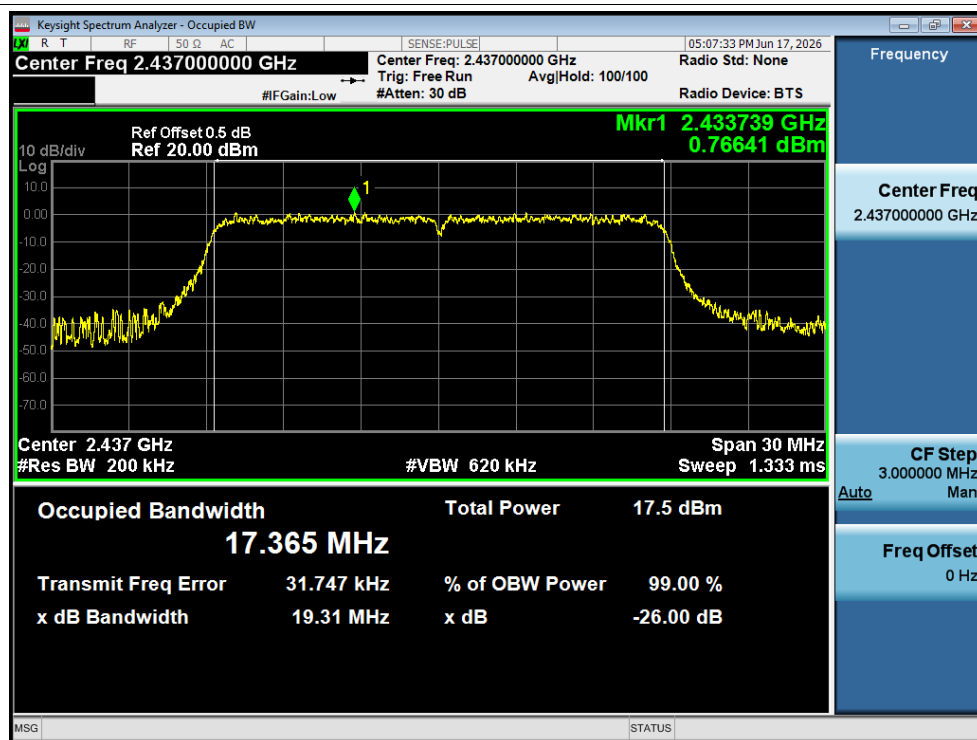
OBW NVNT g 2437MHz Ant1



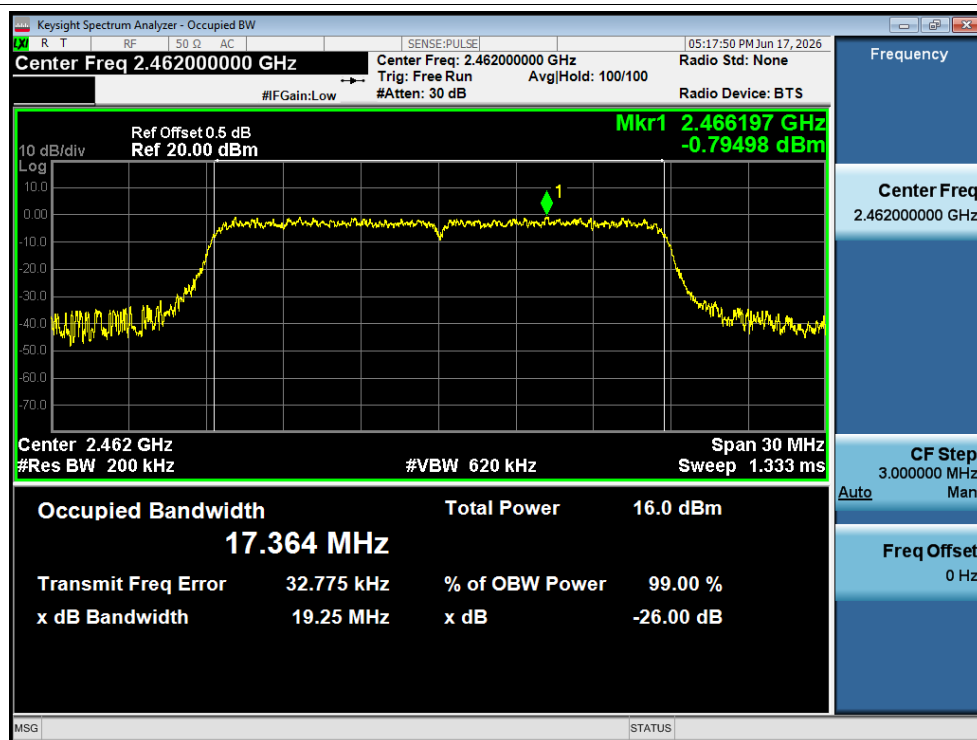
OBW NVNT g 2462MHz Ant1



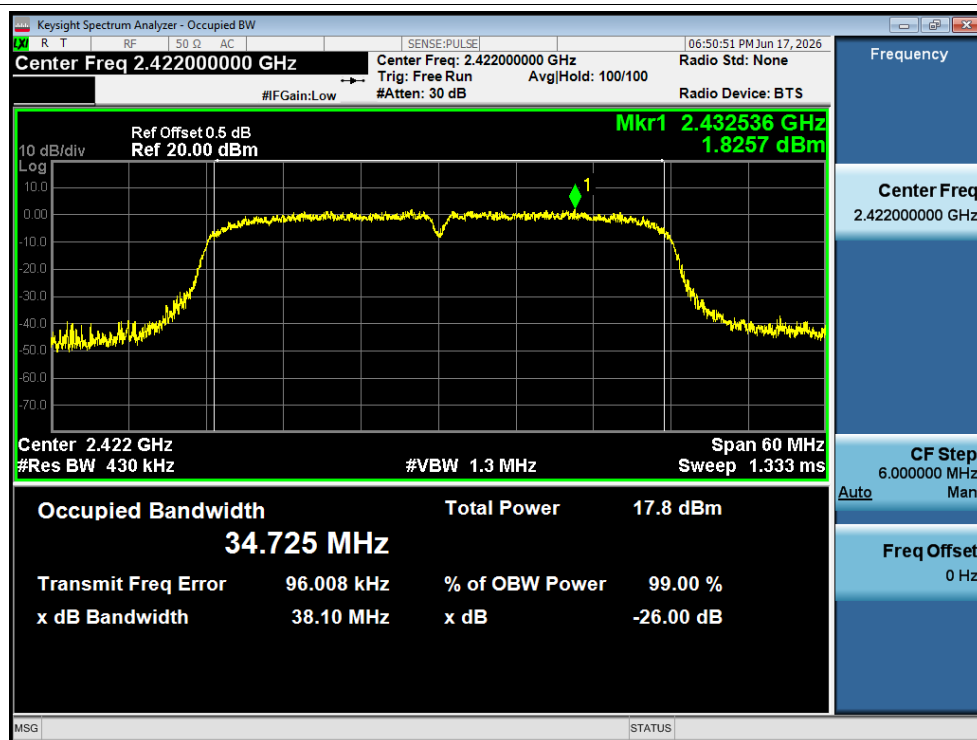
OBW NVNT n20 2412MHz Ant1



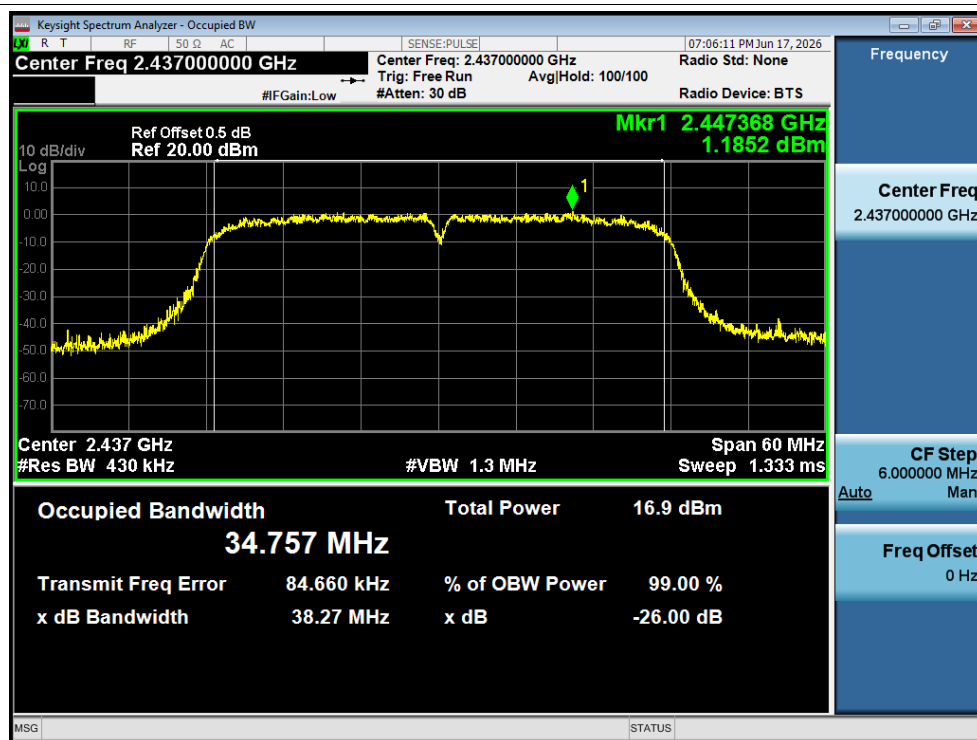
OBW NVNT n20 2437MHz Ant1



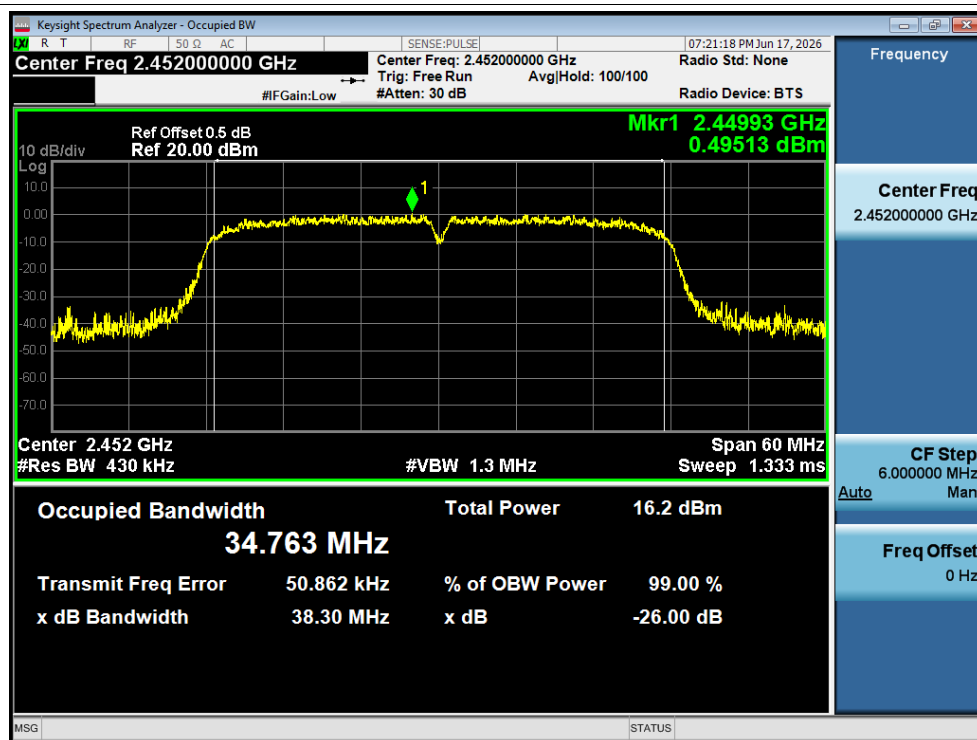
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



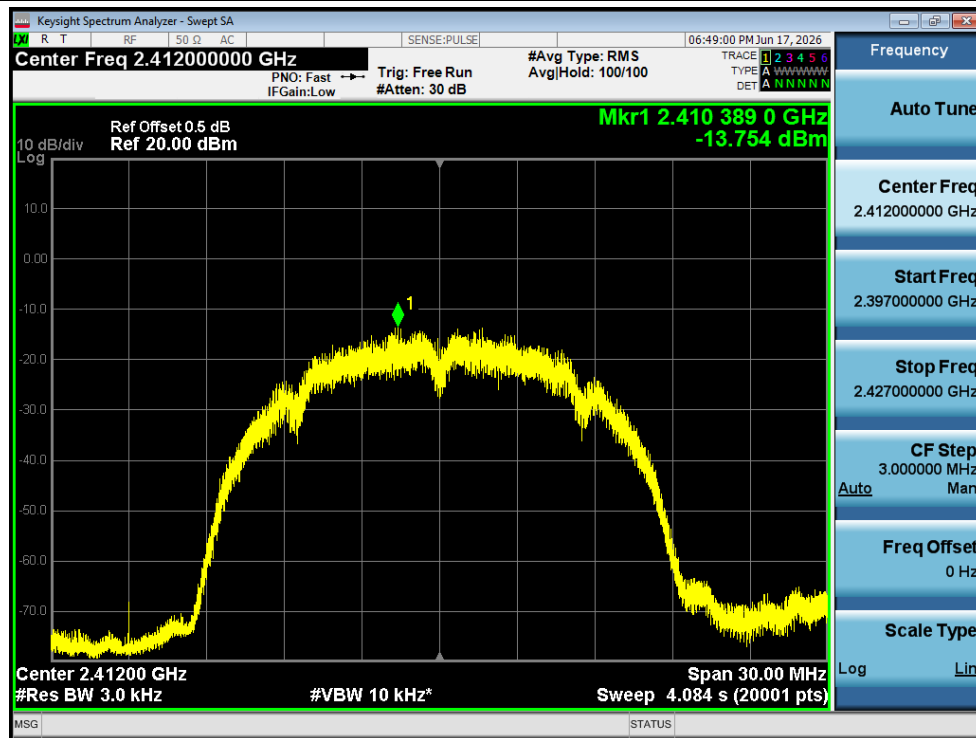
OBW NVNT n40 2437MHz Ant1



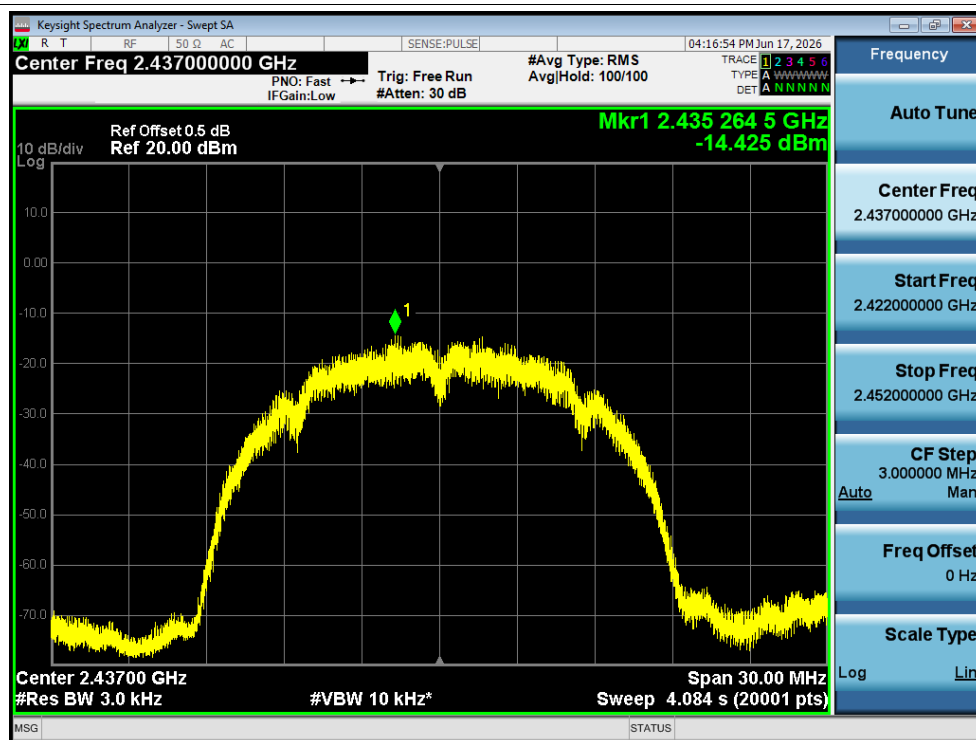
OBW NVNT n40 2452MHz Ant1

Maximum Power Spectral Density Level

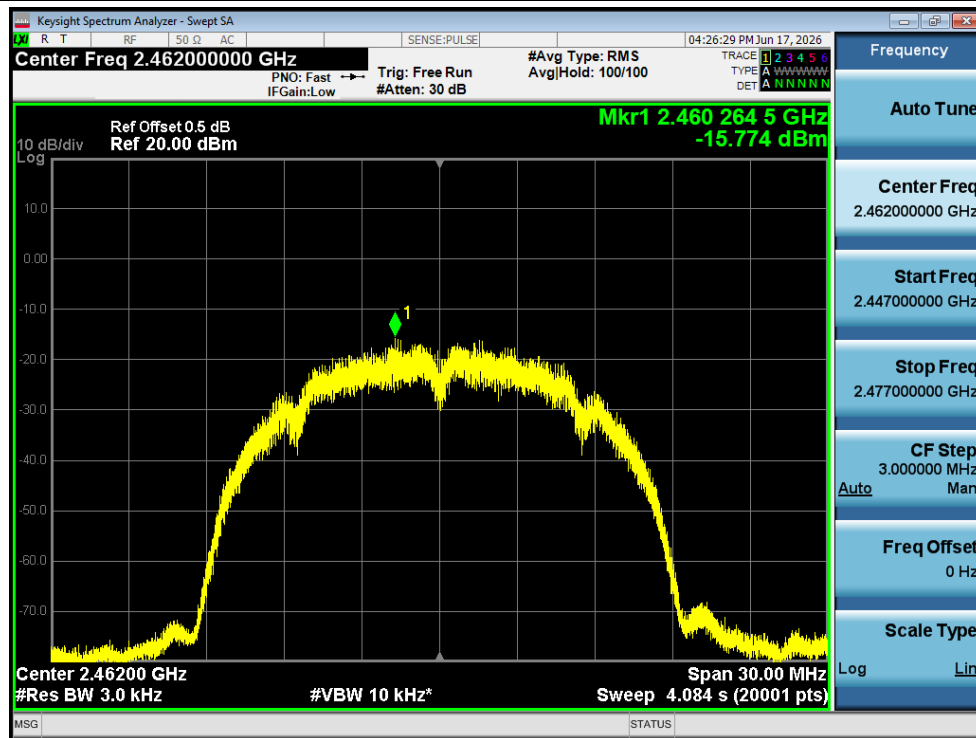
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-13.75	0	-13.75	8	Pass
NVNT	b	2437	Ant1	-14.43	0	-14.43	8	Pass
NVNT	b	2462	Ant1	-15.77	0	-15.77	8	Pass
NVNT	g	2412	Ant1	-19.3	0	-19.3	8	Pass
NVNT	g	2437	Ant1	-19.73	0	-19.73	8	Pass
NVNT	g	2462	Ant1	-21.68	0	-21.68	8	Pass
NVNT	n20	2412	Ant1	-19.72	0	-19.72	8	Pass
NVNT	n20	2437	Ant1	-20.84	0	-20.84	8	Pass
NVNT	n20	2462	Ant1	-22.46	0	-22.46	8	Pass
NVNT	n40	2422	Ant1	-22.49	0	-22.49	8	Pass
NVNT	n40	2437	Ant1	-23.3	0	-23.3	8	Pass
NVNT	n40	2452	Ant1	-24.12	0	-24.12	8	Pass



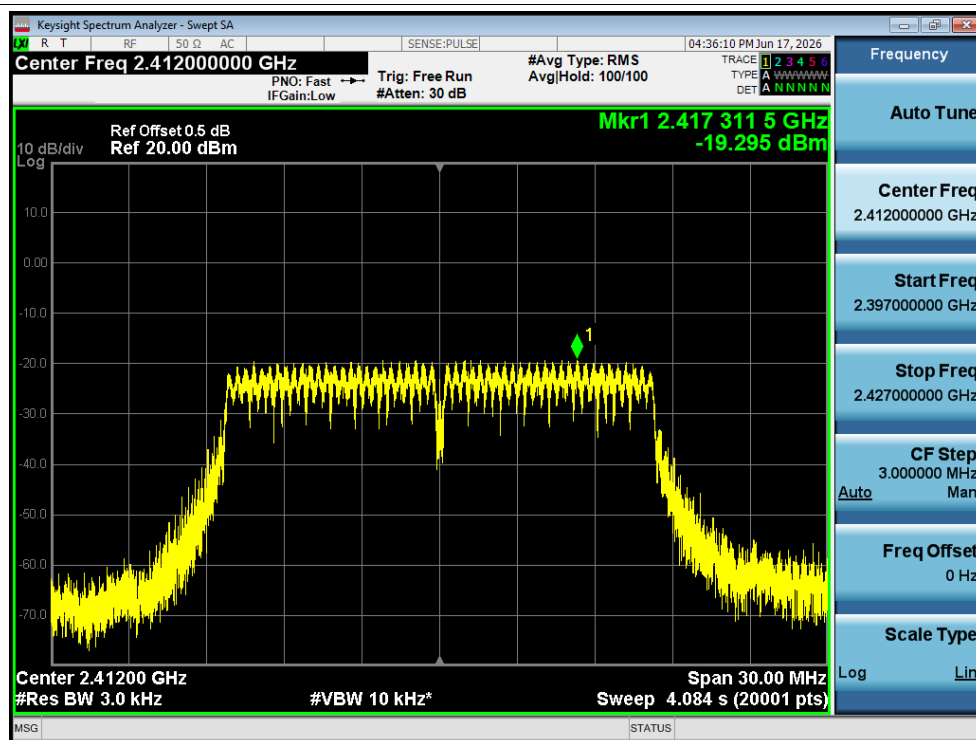
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1

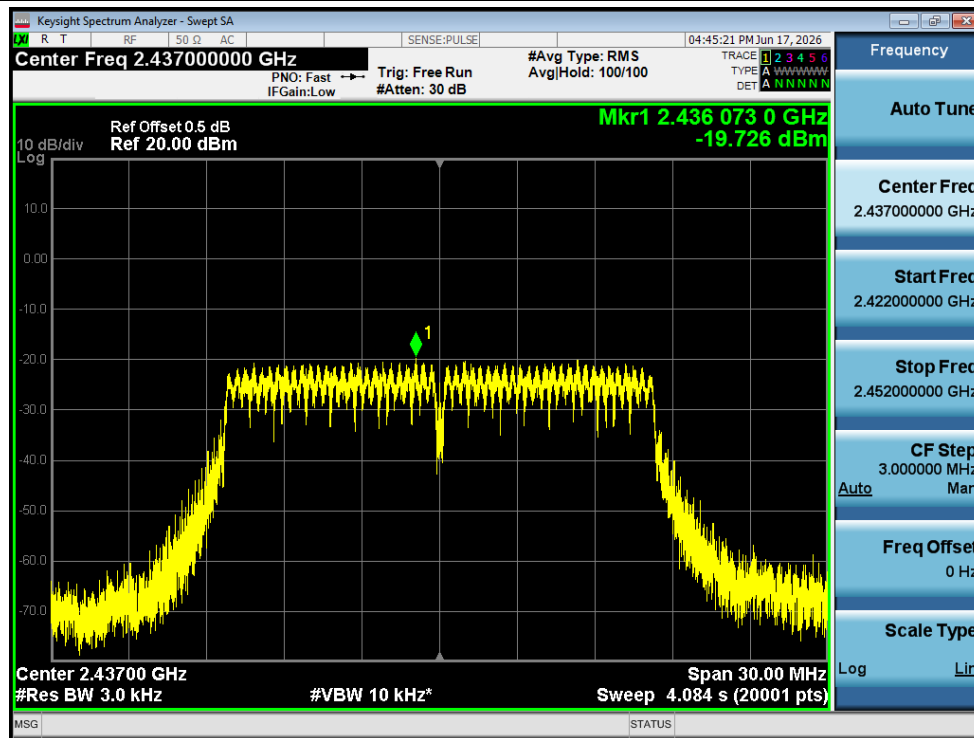


PSD NVNT b 2462MHz Ant1

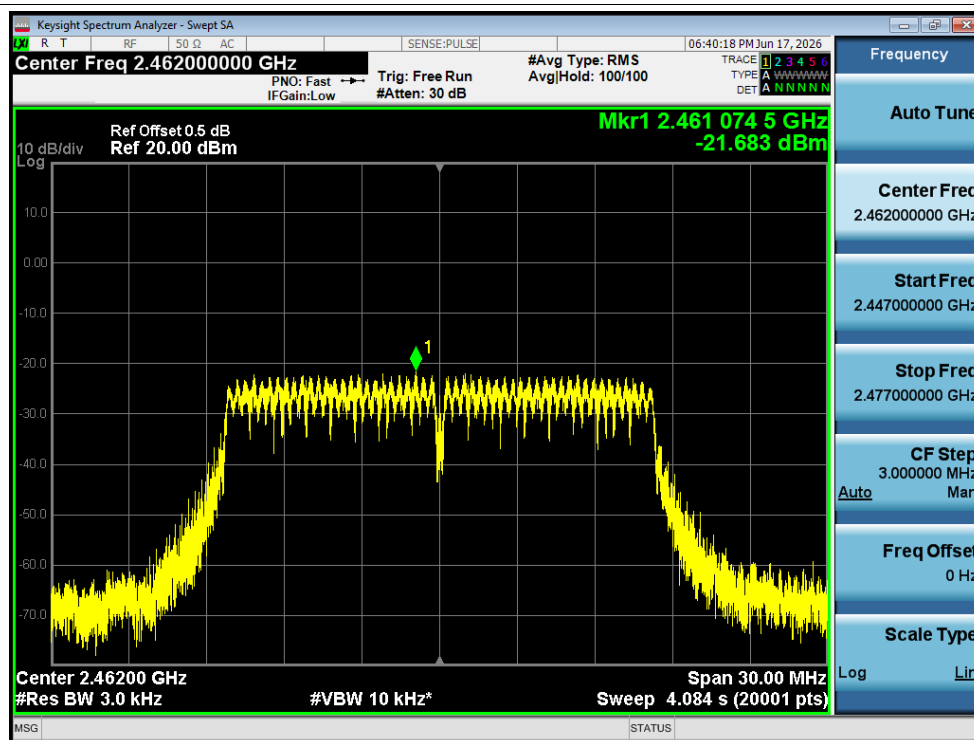


PSD NVNT g 2412MHz Ant1

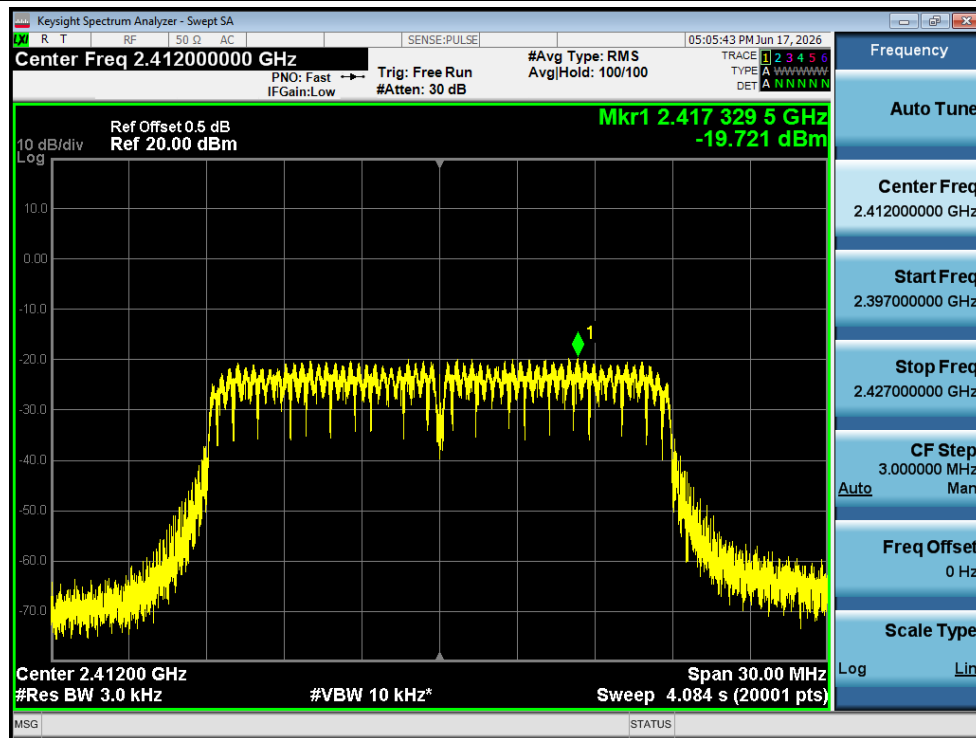
Report



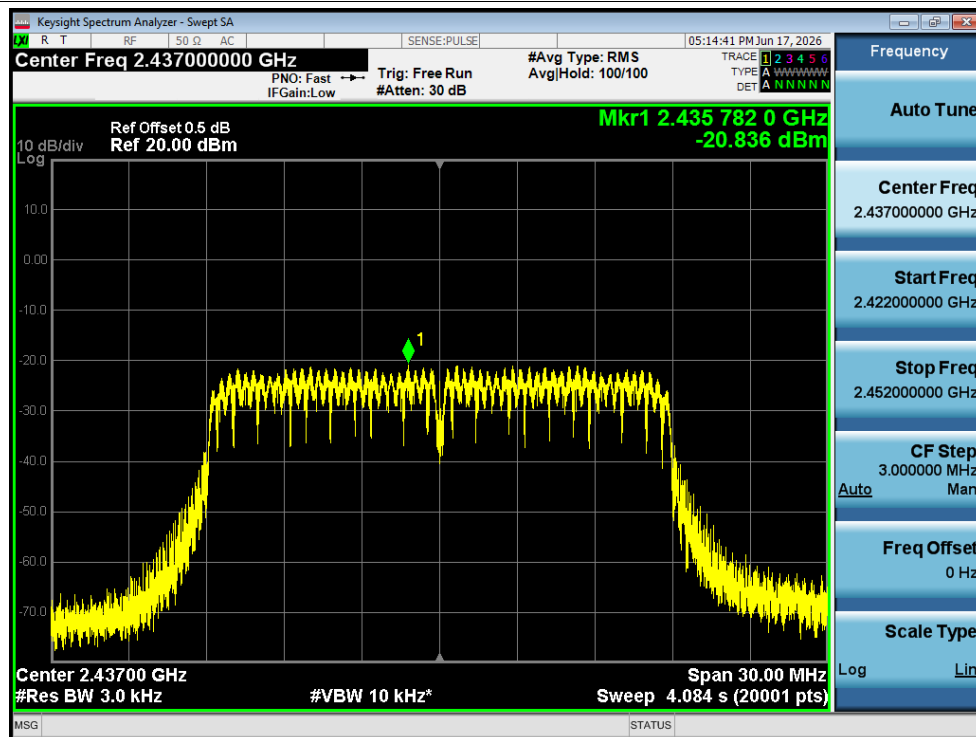
PSD NVNT g 2437MHz Ant1



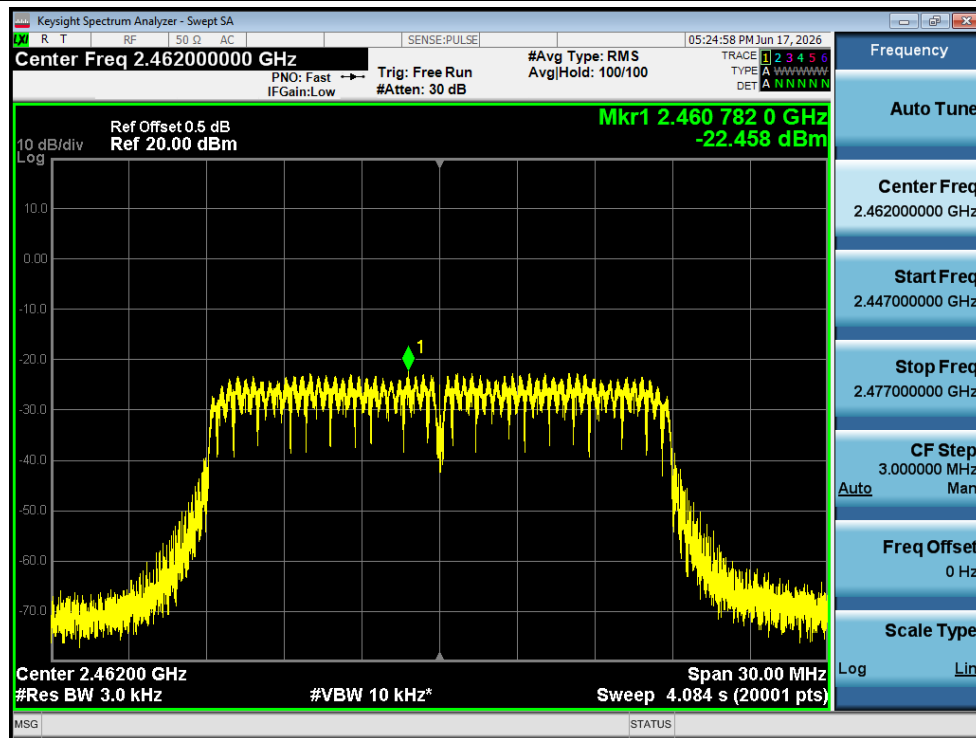
PSD NVNT g 2462MHz Ant1



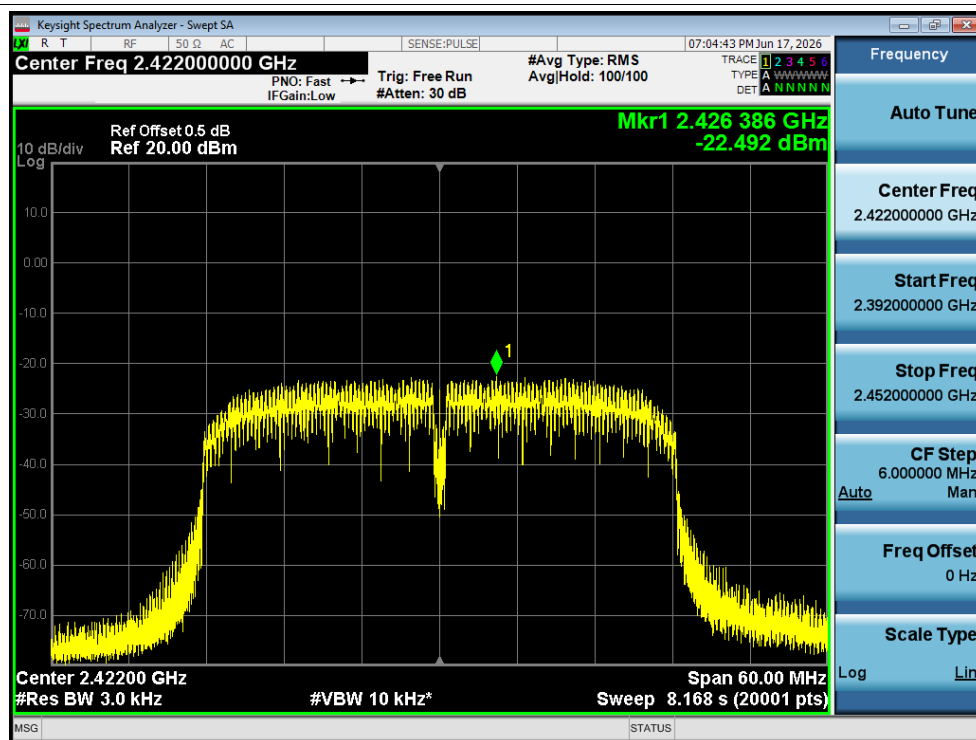
PSD NVNT n20 2412MHz Ant1



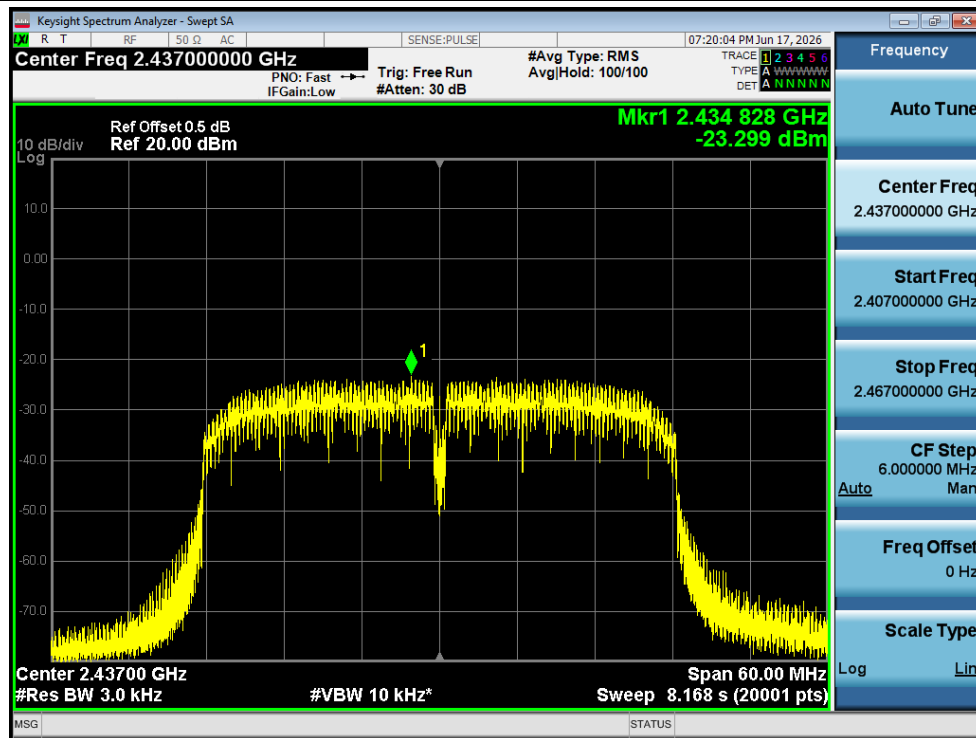
PSD NVNT n20 2437MHz Ant1



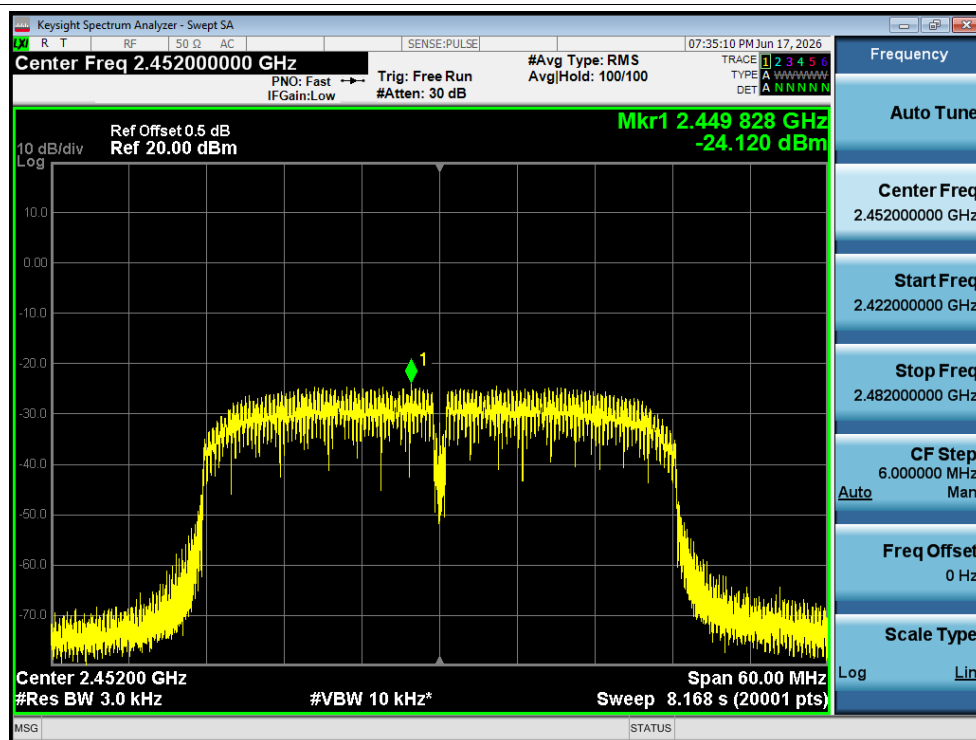
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



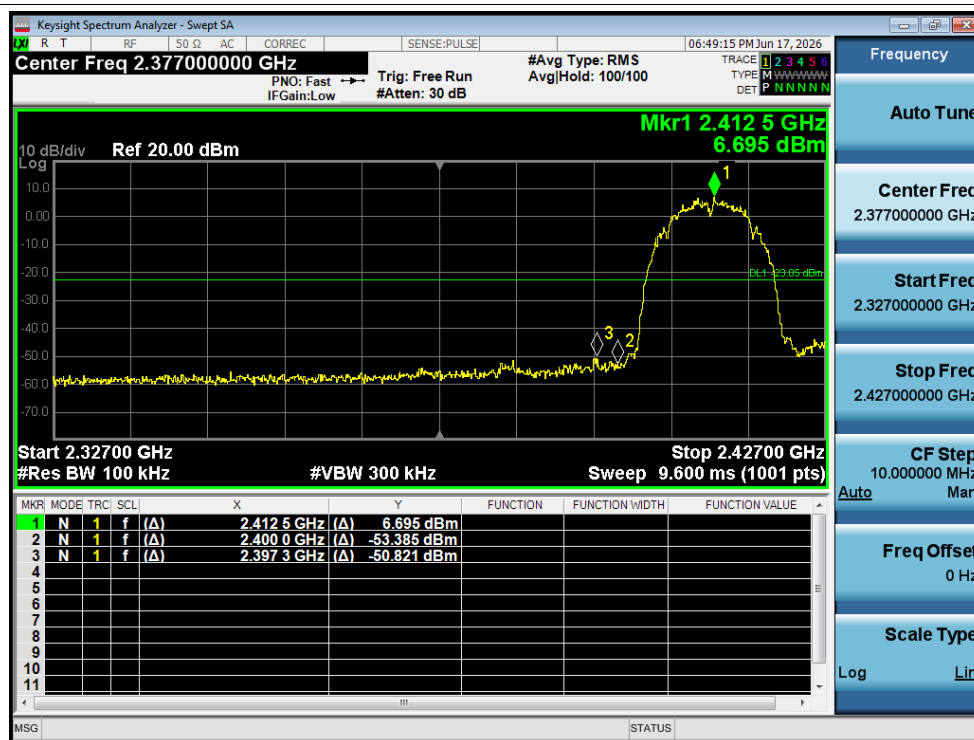
PSD NVNT n40 2452MHz Ant1

Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-57.78	-30	Pass
NVNT	b	2462	Ant1	-59.25	-30	Pass
NVNT	g	2412	Ant1	-34.13	-30	Pass
NVNT	g	2462	Ant1	-44.32	-30	Pass
NVNT	n20	2412	Ant1	-37.61	-30	Pass
NVNT	n20	2462	Ant1	-45.62	-30	Pass
NVNT	n40	2422	Ant1	-42.4	-30	Pass
NVNT	n40	2452	Ant1	-40.76	-30	Pass



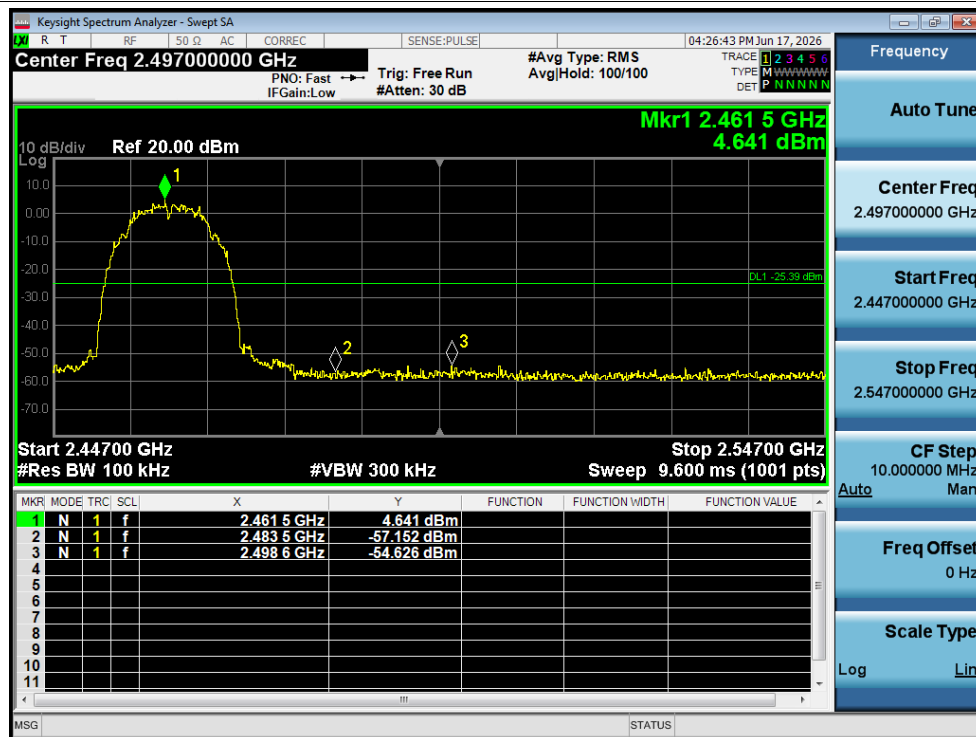
Band Edge NVNT b 2412MHz Ant1 Ref



Band Edge NVNT b 2412MHz Ant1 Emission



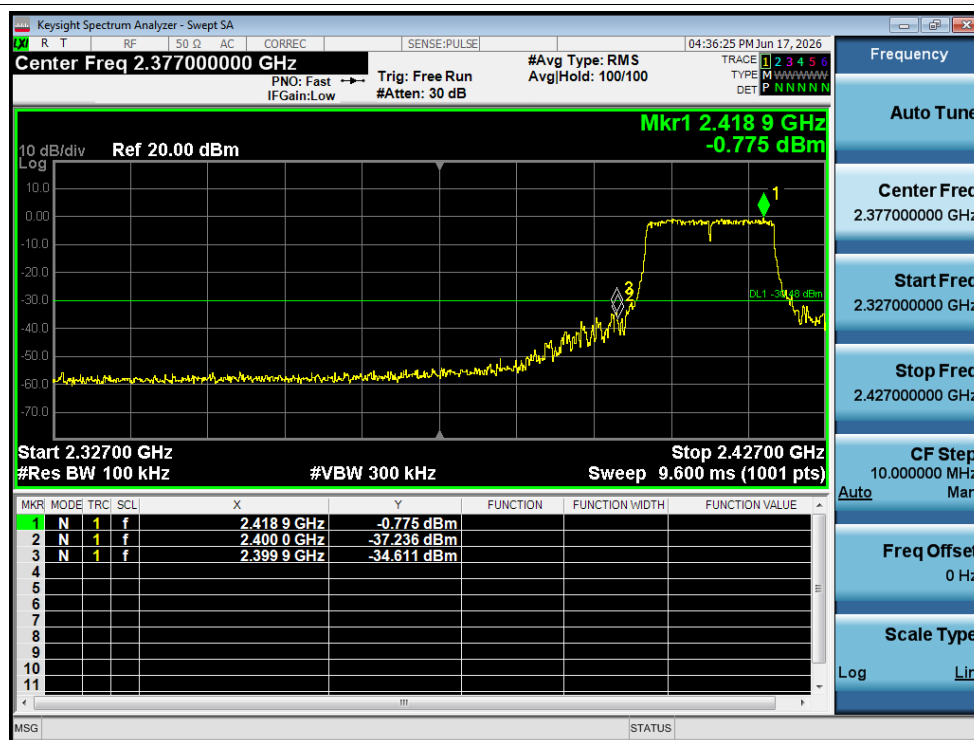
Band Edge NVNT b 2462MHz Ant1 Ref



Band Edge NVNT b 2462MHz Ant1 Emission



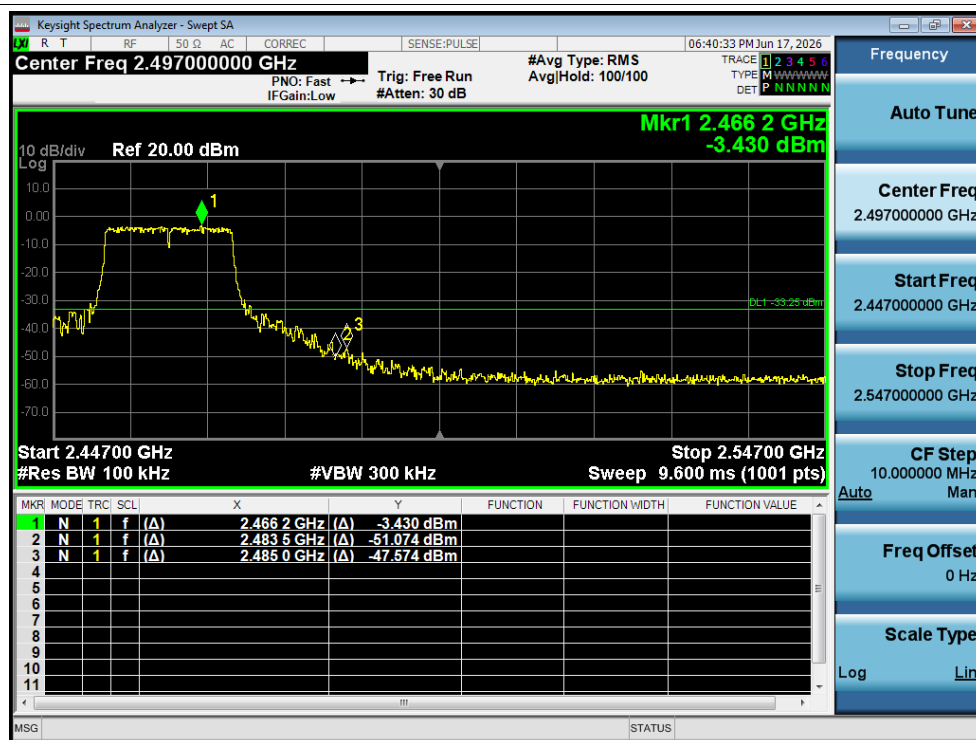
Band Edge NVNT g 2412MHz Ant1 Ref



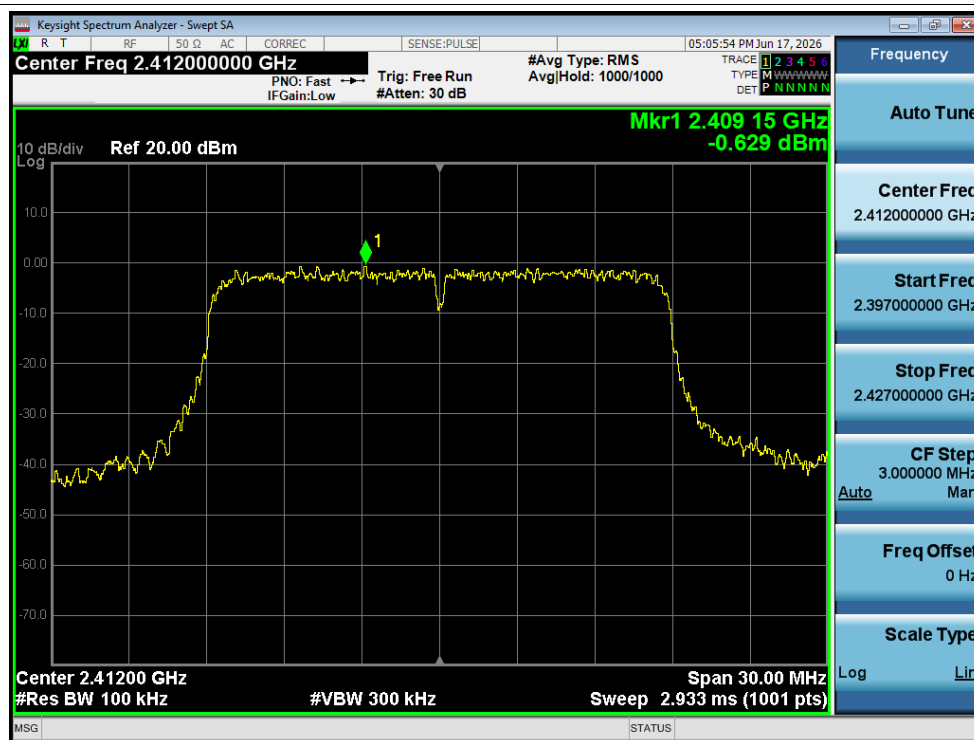
Band Edge NVNT g 2412MHz Ant1 Emission



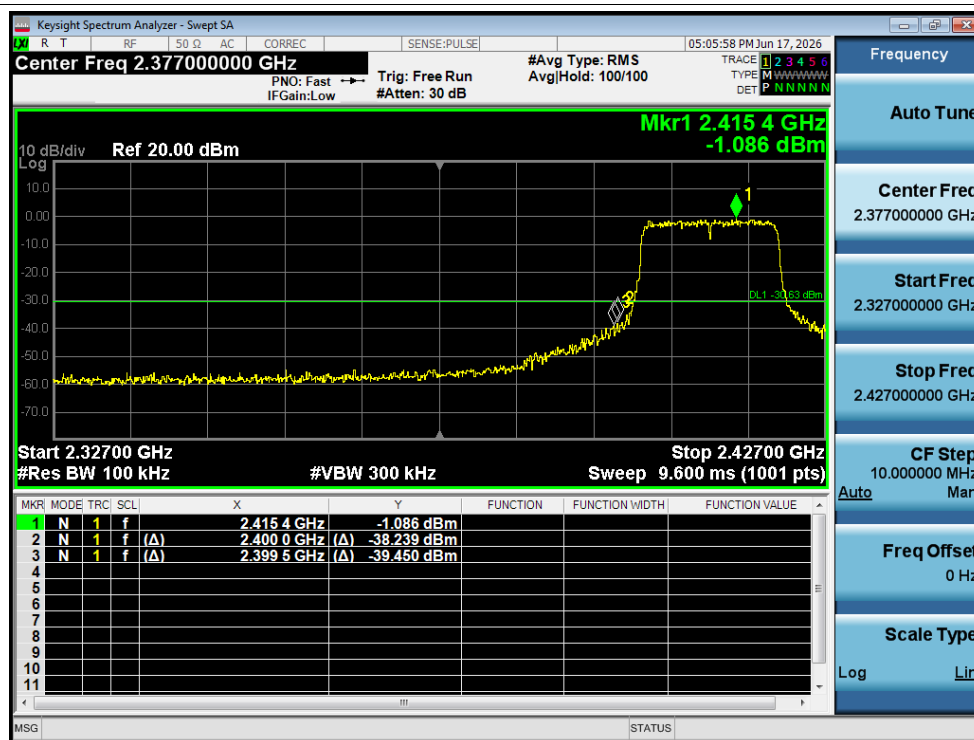
Band Edge NVNT g 2462MHz Ant1 Ref



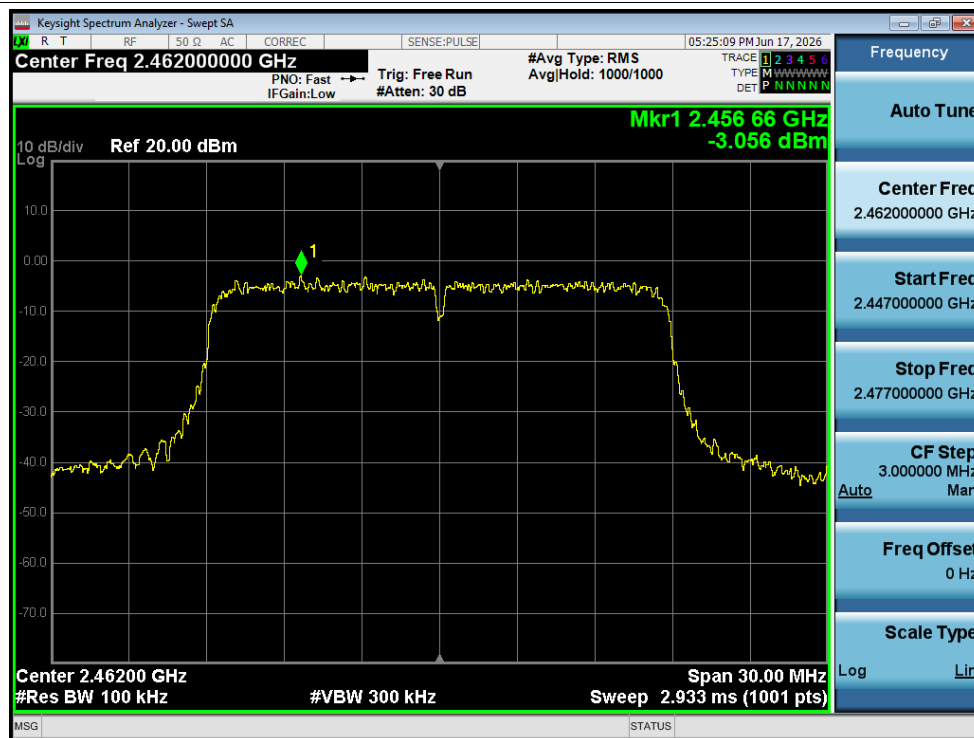
Band Edge NVNT g 2462MHz Ant1 Emission



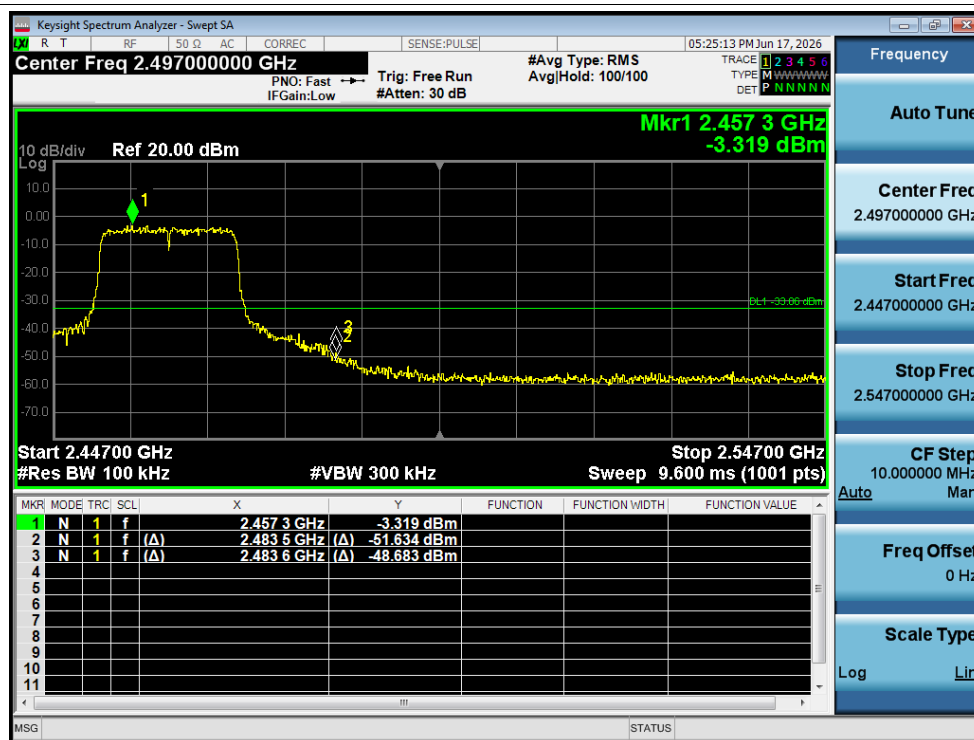
Band Edge NVNT n20 2412MHz Ant1 Ref



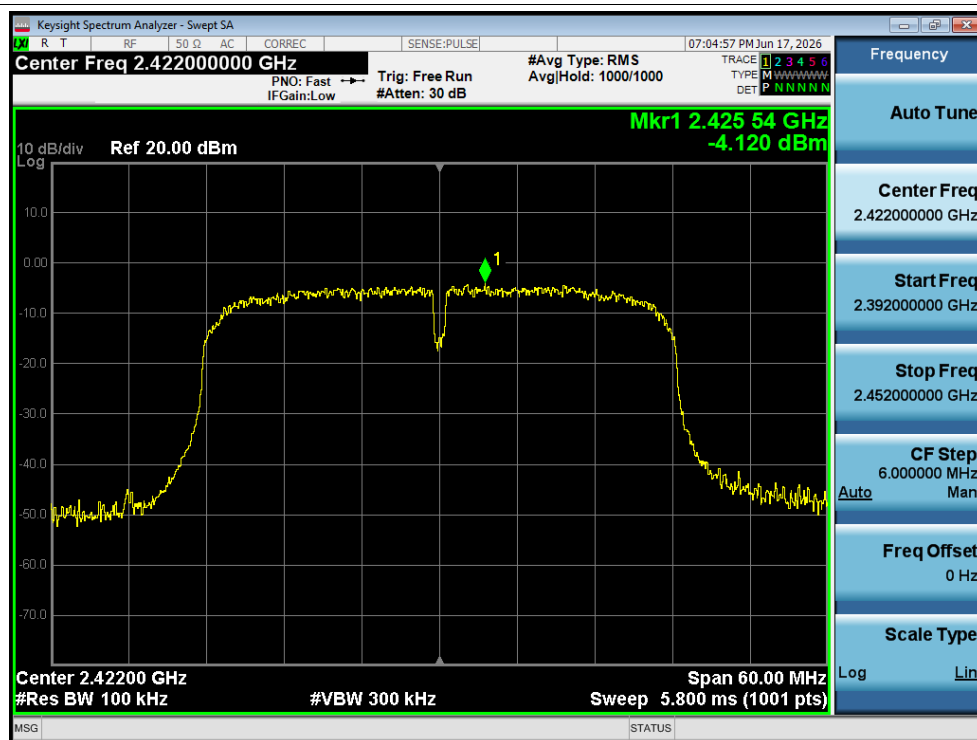
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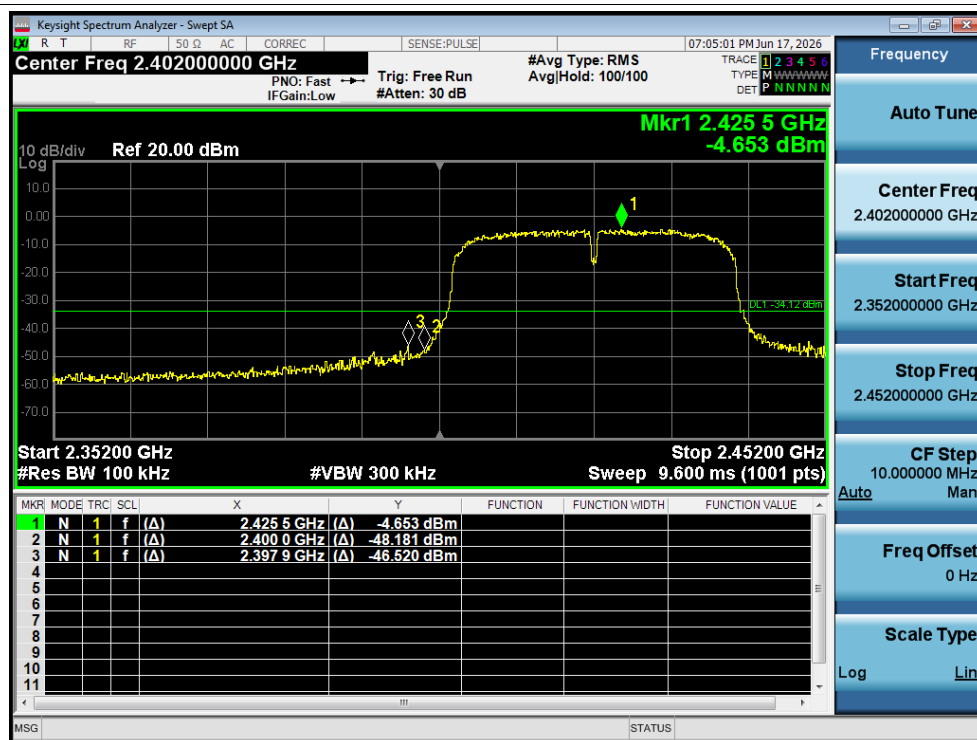
Band Edge NVNT n20 2462MHz Ant1 Ref



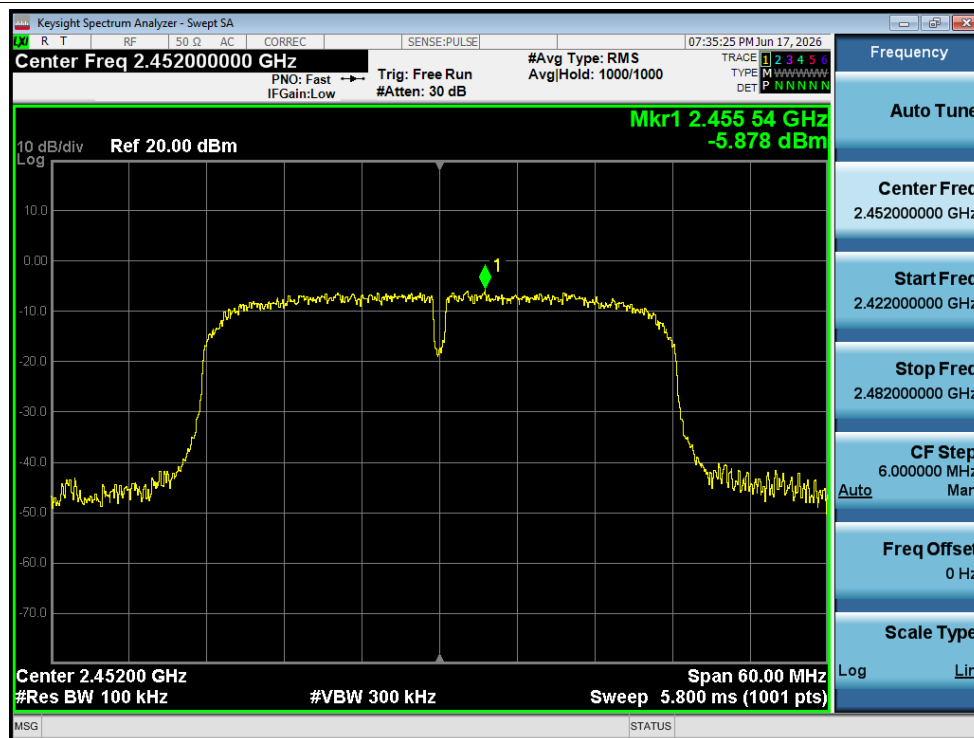
Band Edge NVNT n20 2462MHz Ant1 Emission



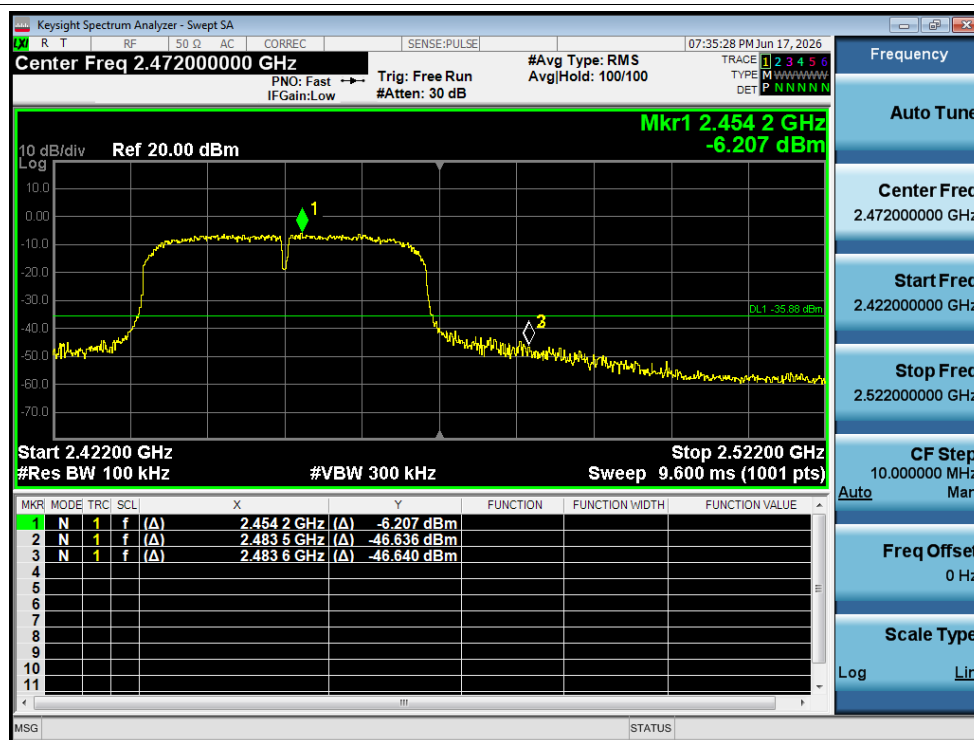
Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



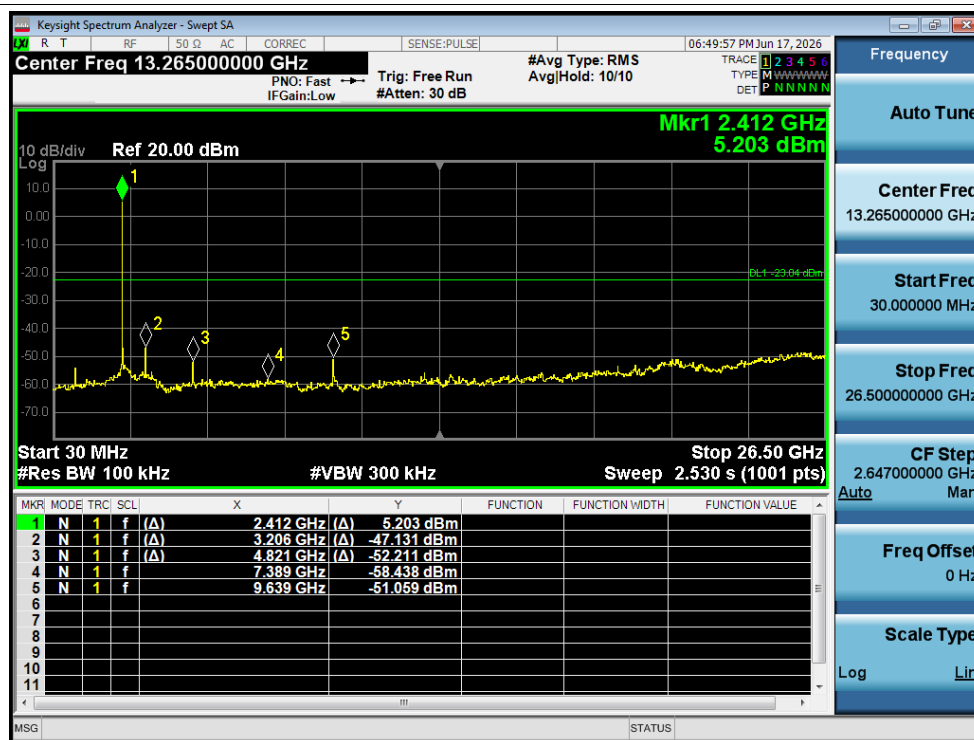
Band Edge NVNT n40 2452MHz Ant1 Emission

Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-54.09	-30	Pass
NVNT	b	2437	Ant1	-52.55	-30	Pass
NVNT	b	2462	Ant1	-52.41	-30	Pass
NVNT	g	2412	Ant1	-45.11	-30	Pass
NVNT	g	2437	Ant1	-43.91	-30	Pass
NVNT	g	2462	Ant1	-44.58	-30	Pass
NVNT	n20	2412	Ant1	-44.22	-30	Pass
NVNT	n20	2437	Ant1	-43.84	-30	Pass
NVNT	n20	2462	Ant1	-44.08	-30	Pass
NVNT	n40	2422	Ant1	-41.32	-30	Pass
NVNT	n40	2437	Ant1	-40.91	-30	Pass
NVNT	n40	2452	Ant1	-41.91	-30	Pass



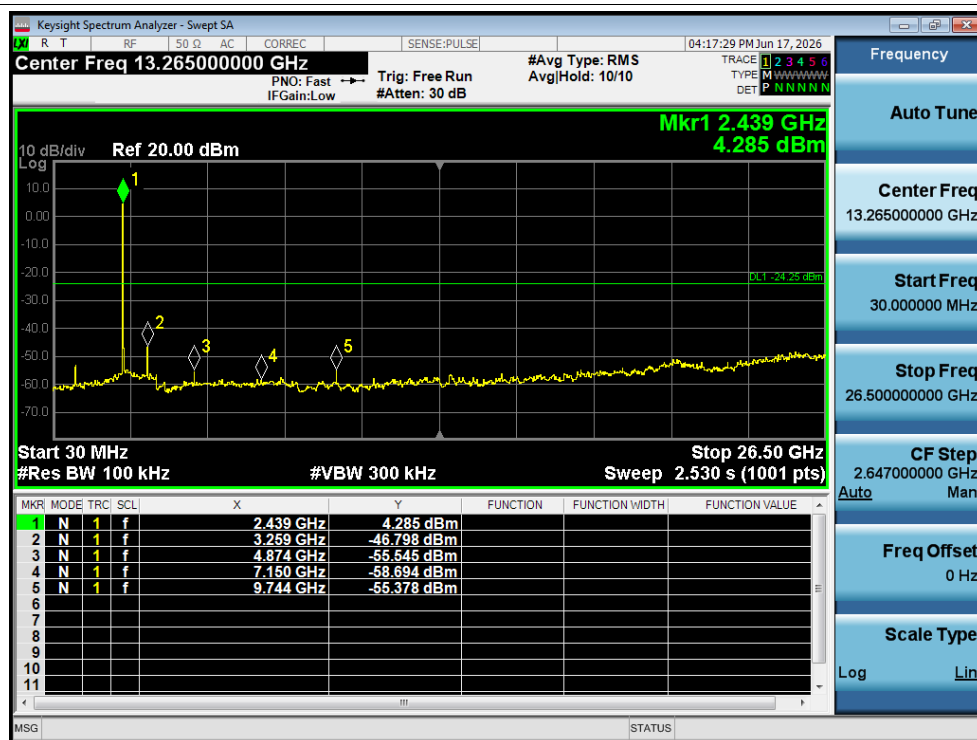
Tx. Spurious NVNT b 2412MHz Ant1 Ref



Tx. Spurious NVNT b 2412MHz Ant1 Emission



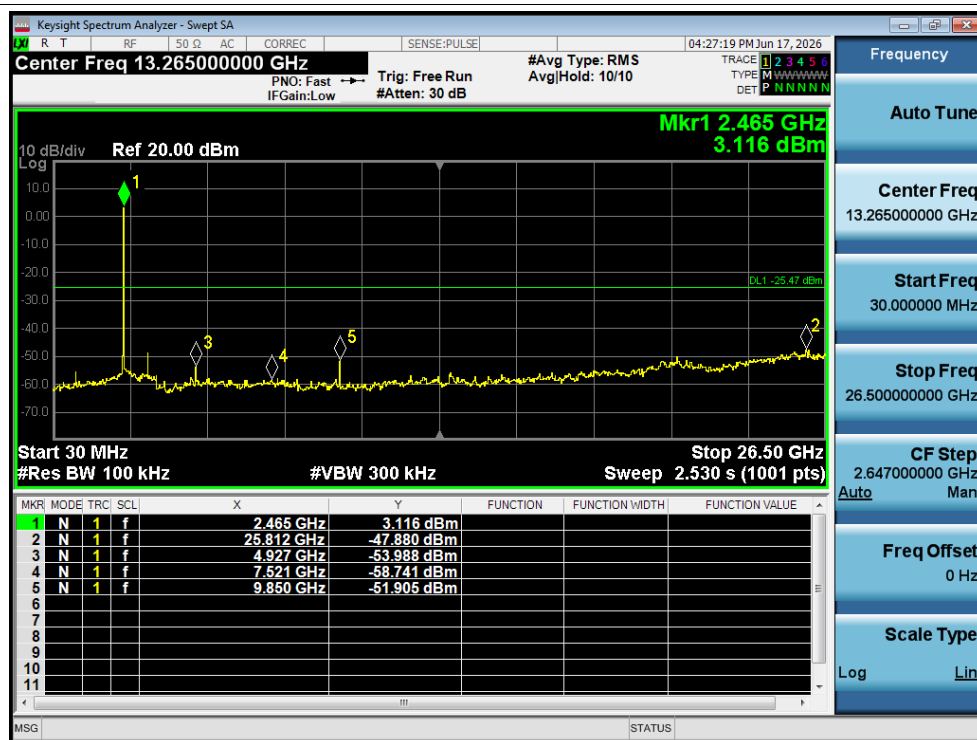
Tx. Spurious NVNT b 2437MHz Ant1 Ref



Tx. Spurious NVNT b 2437MHz Ant1 Emission



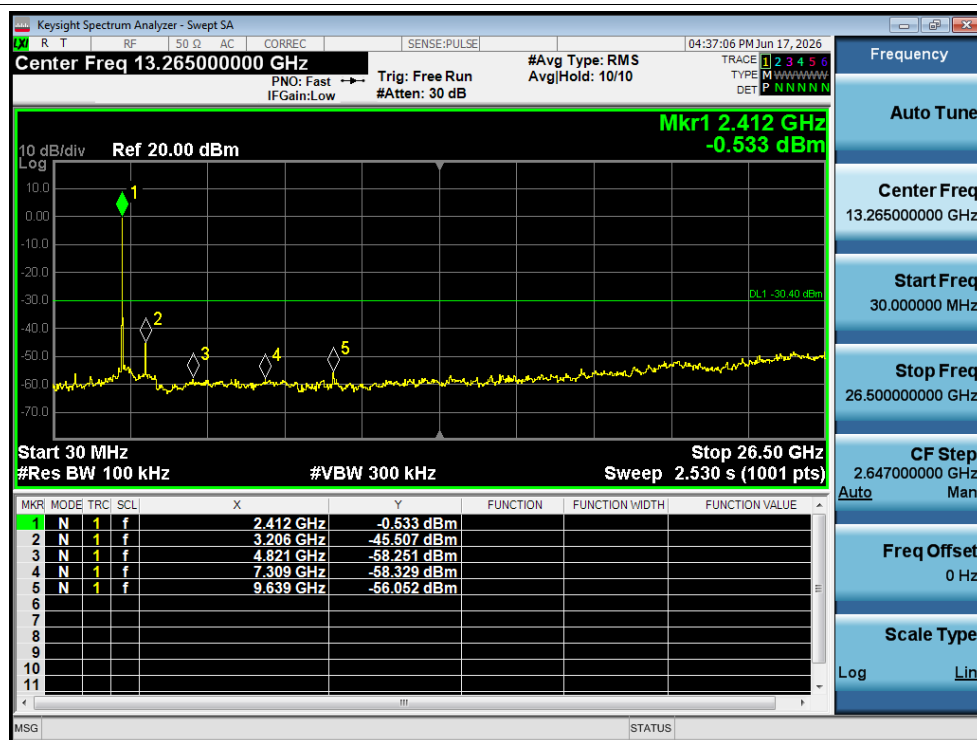
Tx. Spurious NVNT b 2462MHz Ant1 Ref



Tx. Spurious NVNT b 2462MHz Ant1 Emission



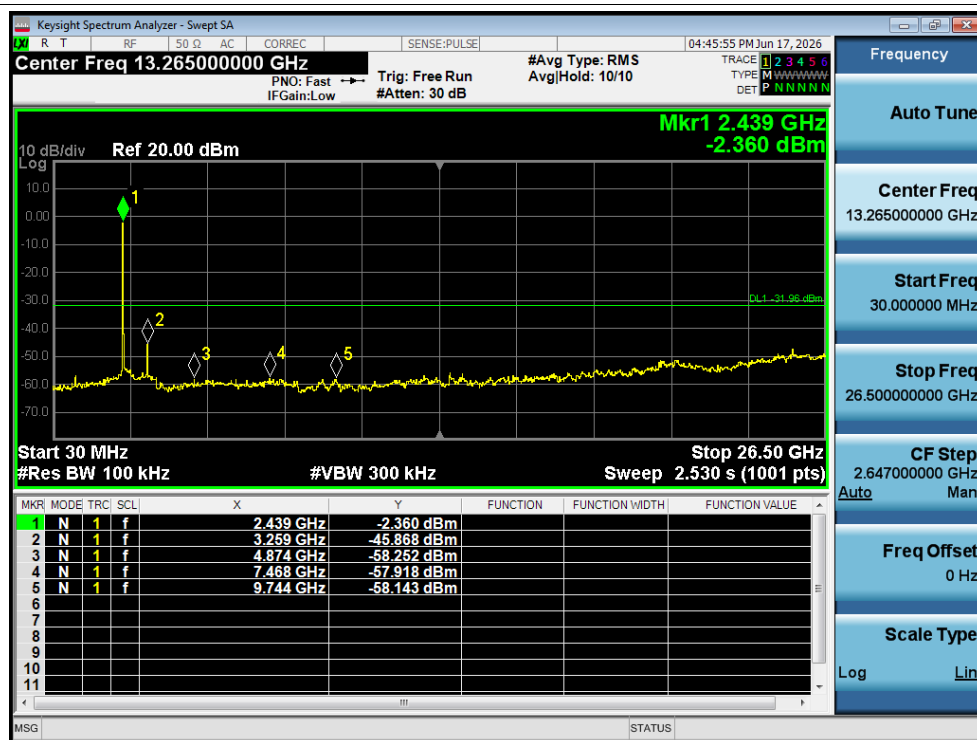
Tx. Spurious NVNT g 2412MHz Ant1 Ref



Tx. Spurious NVNT g 2412MHz Ant1 Emission



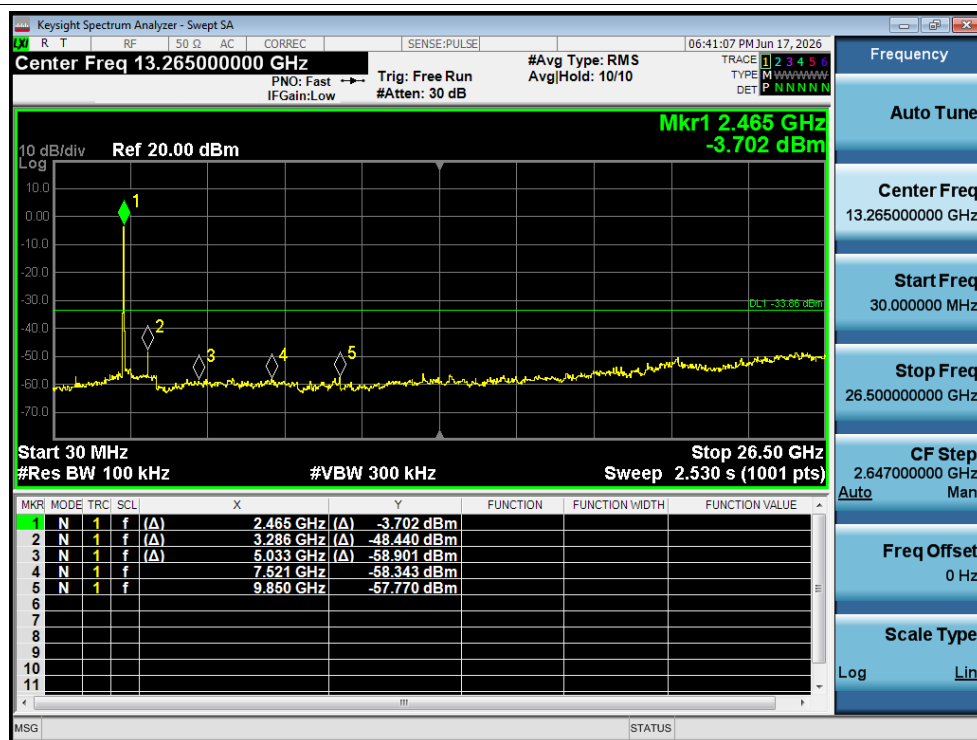
Tx. Spurious NVNT g 2437MHz Ant1 Ref



Tx. Spurious NVNT g 2437MHz Ant1 Emission



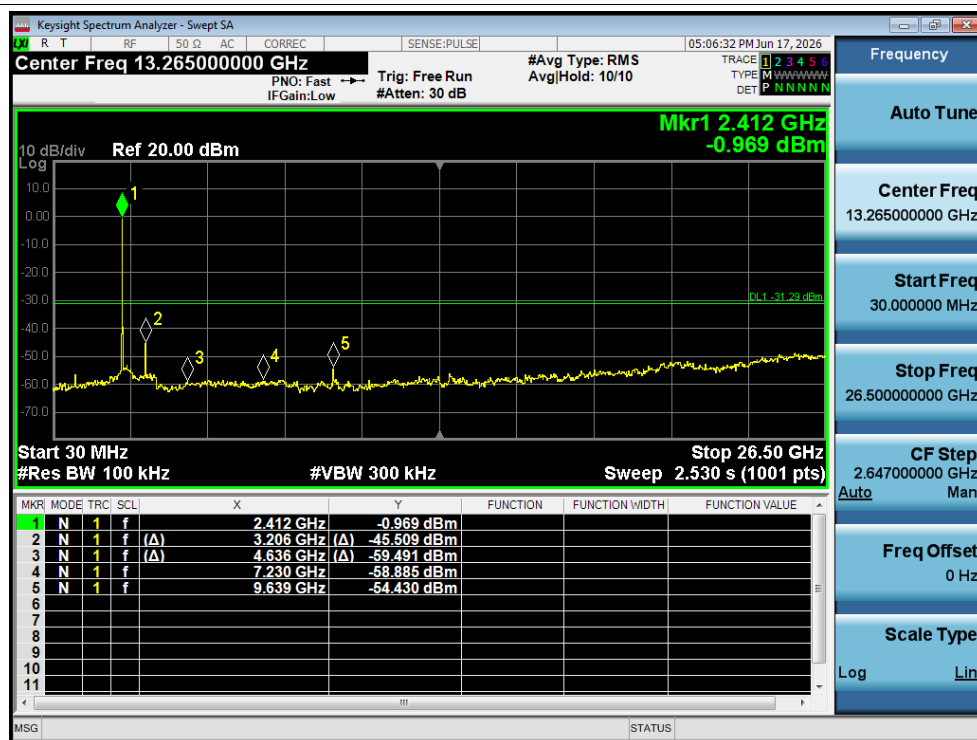
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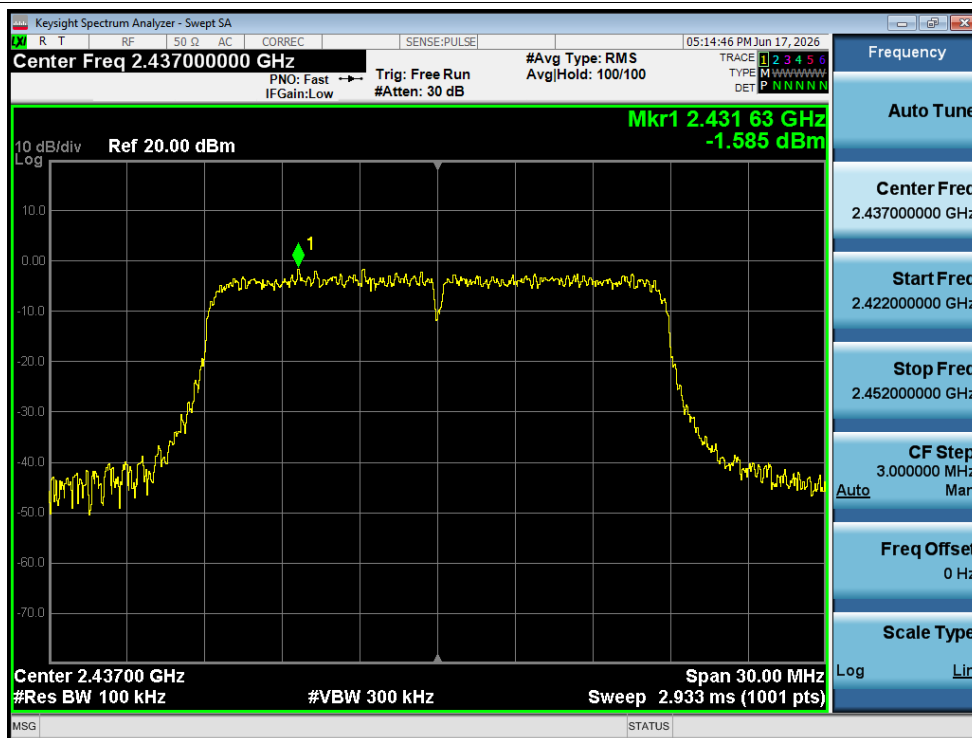
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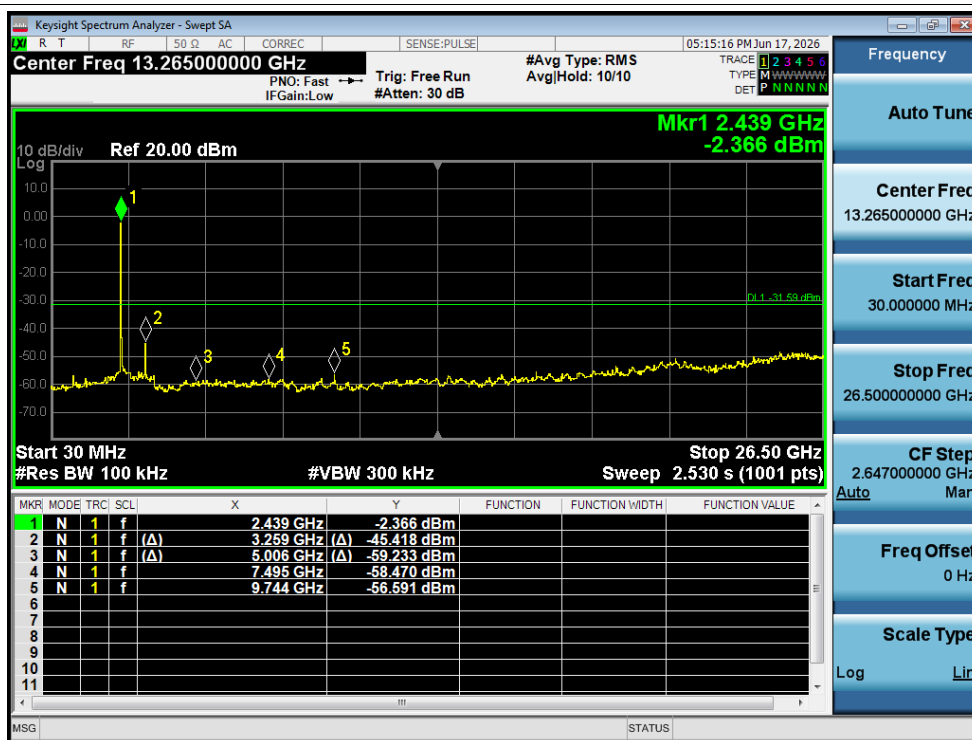
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



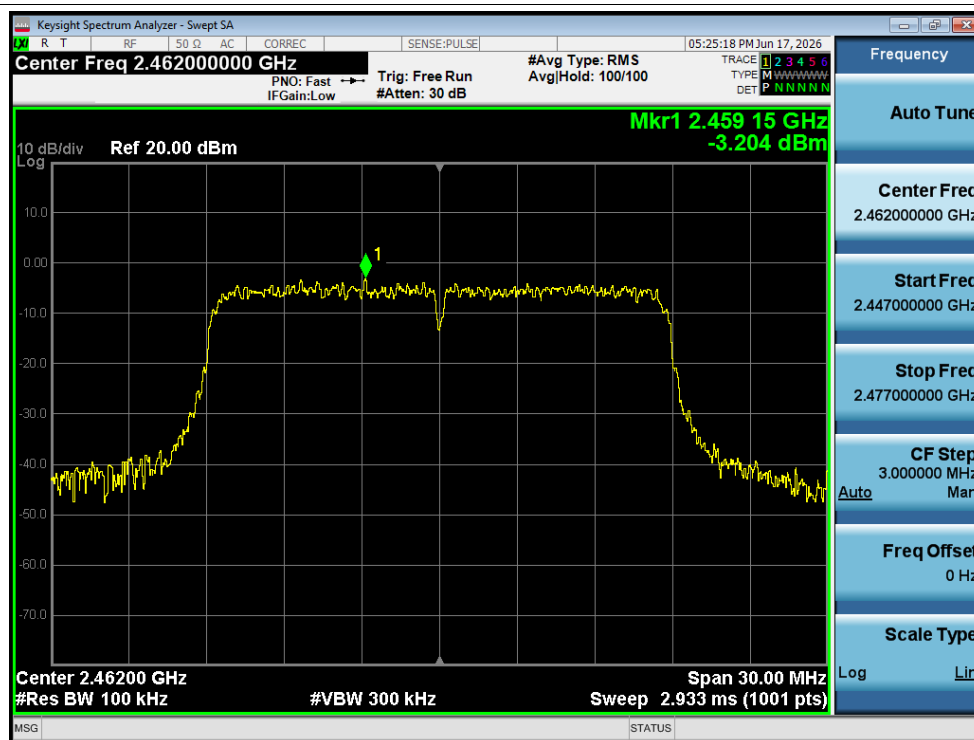
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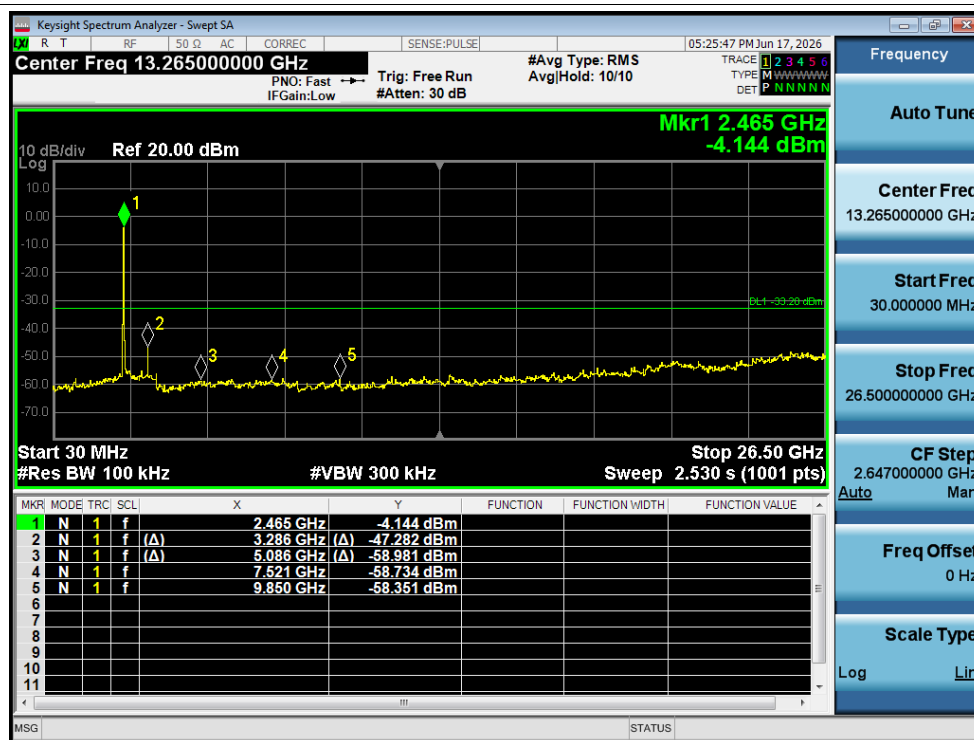
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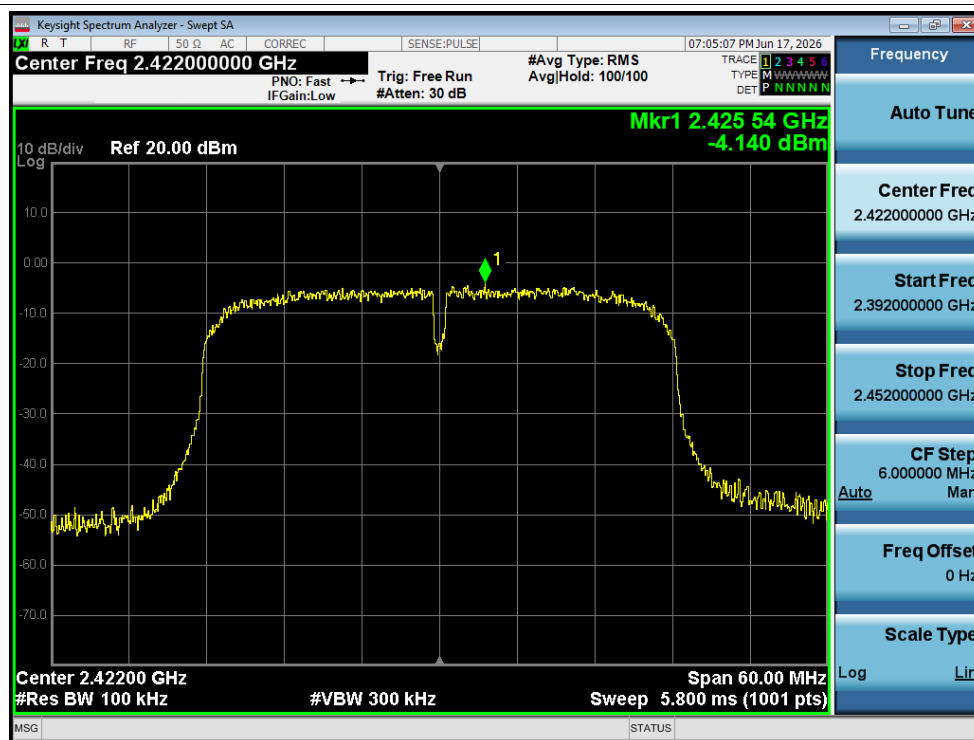
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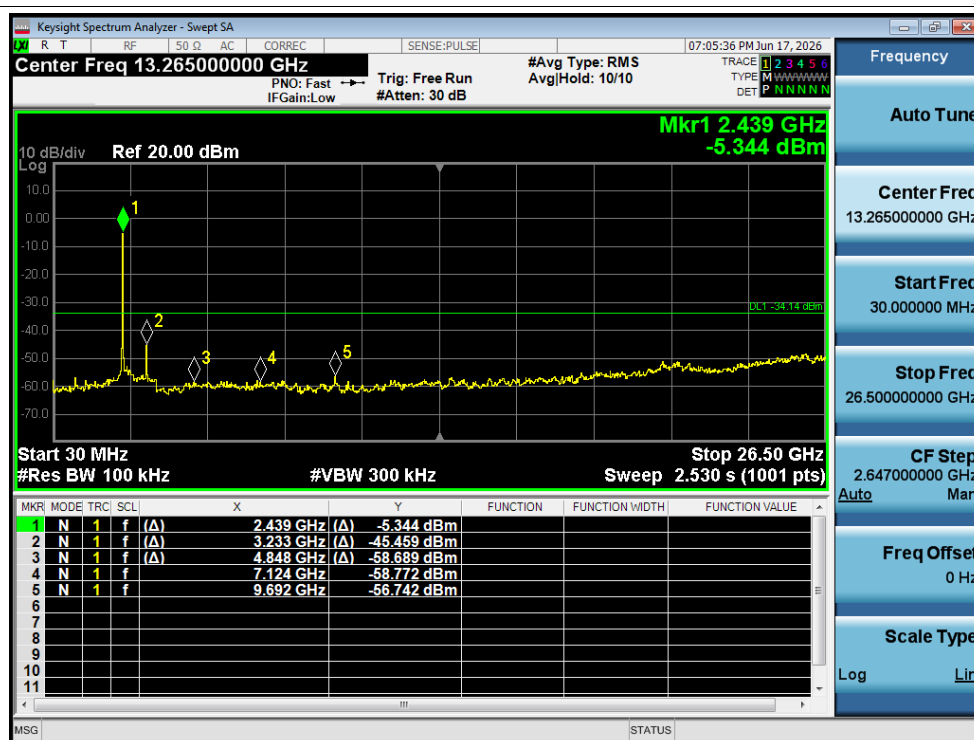
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



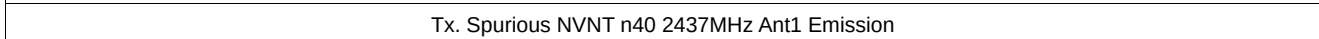
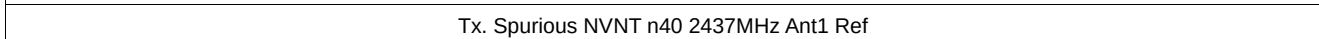
Tx. Spurious NVNT n20 2462MHz Ant1 Emission

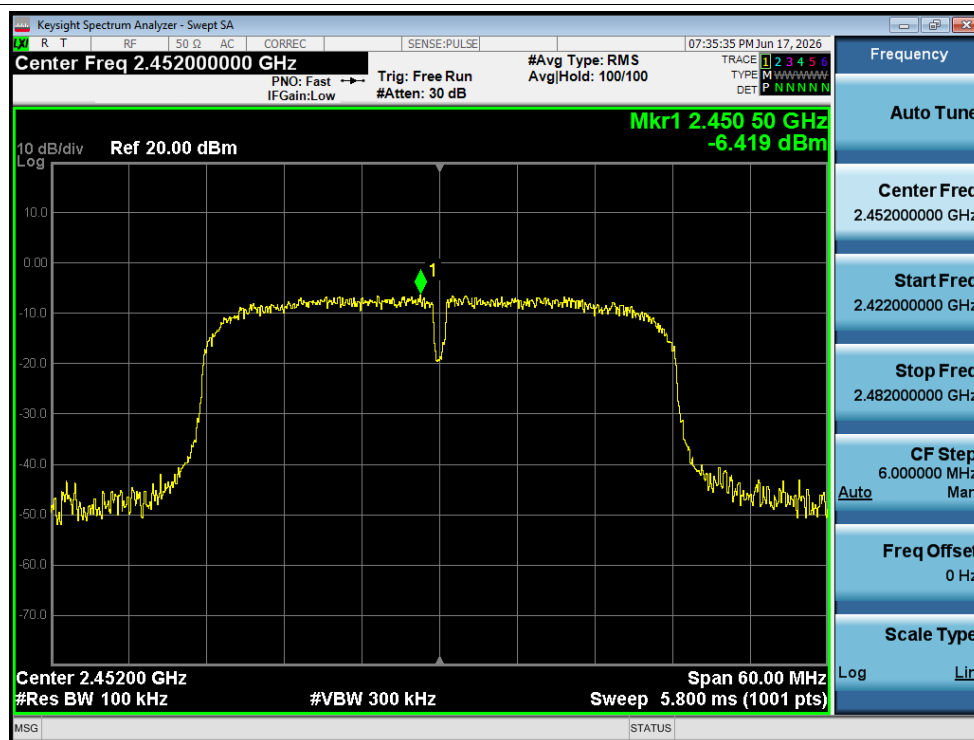


Tx. Spurious NVNT n40 2422MHz Ant1 Ref

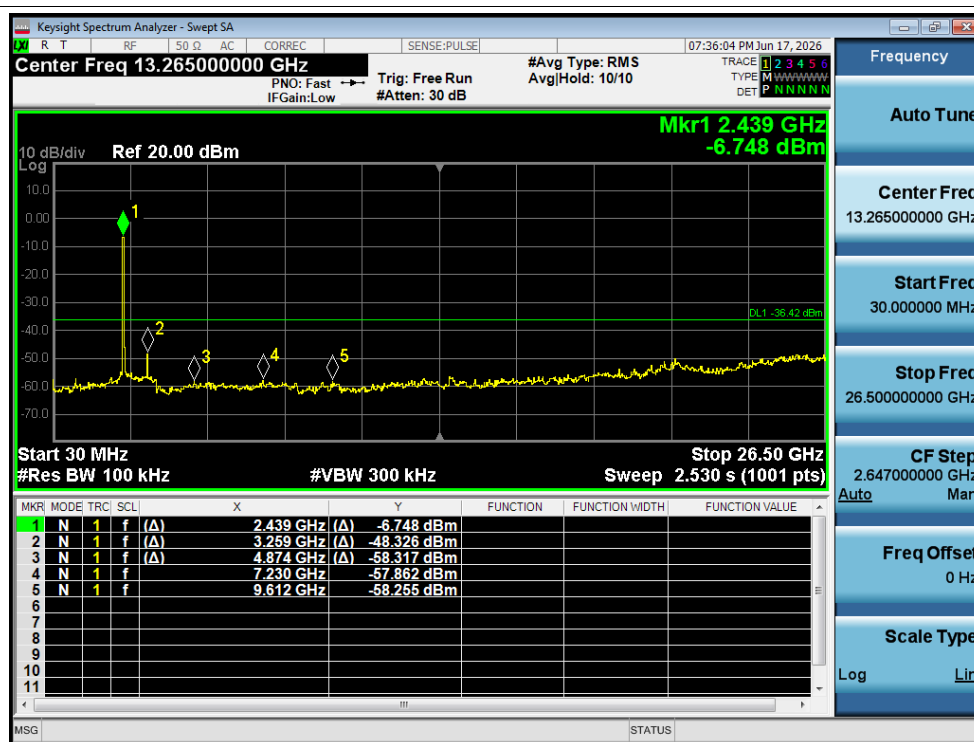


Tx. Spurious NVNT n40 2422MHz Ant1 Emission





Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission