

FCC Part 15C Test Data

FCC ID: 2AXOG-FC300

Applicant: Changzhou Jutai Electronic Co., Ltd.

Address: No.8 Longfa Road, Xinbei District, Changzhou, Jiangsu 213031, China

Manufacturer: Changzhou Jutai Electronic Co., Ltd.

Address: No.8 Longfa Road, Xinbei District, Changzhou, Jiangsu 213031, China

EUT: Class 2 Power Unit

Trade Mark: 

Model Number: JT-EL/FC300V0333-H10
JT-EL/FCXXXVYYYY-H10(XXX means by 030 to 300, means 3V to 30V, YYYY means by 0010 to 1500, means by 10mA to 1500 mA)

Date of Receipt: Sep. 26, 2022

Test Date: Sep. 26, 2022 - Oct. 20, 2022

Date of Report: Oct. 20, 2022

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

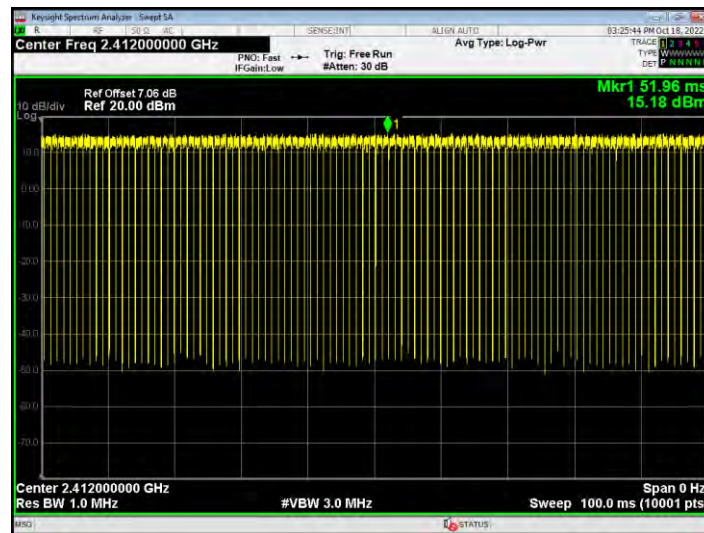
Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2013

Test Result: Pass

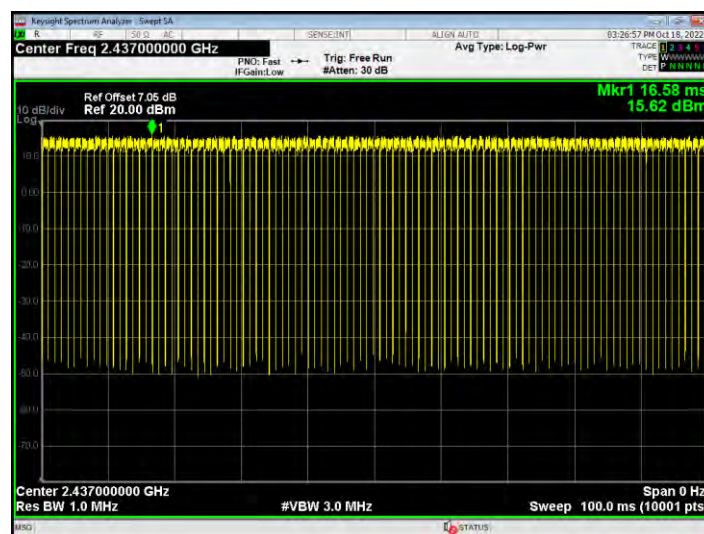
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.29	0.12
NVNT	b	2437	Ant1	97.29	0.12
NVNT	b	2462	Ant1	97.33	0.12
NVNT	g	2412	Ant1	85.29	0.69
NVNT	g	2437	Ant1	85.31	0.69
NVNT	g	2462	Ant1	85.38	0.69
NVNT	n20	2412	Ant1	97.61	0.11
NVNT	n20	2437	Ant1	97.62	0.1
NVNT	n20	2462	Ant1	97.55	0.11
NVNT	n40	2422	Ant1	95.38	0.21
NVNT	n40	2437	Ant1	95.37	0.21
NVNT	n40	2452	Ant1	95.38	0.21

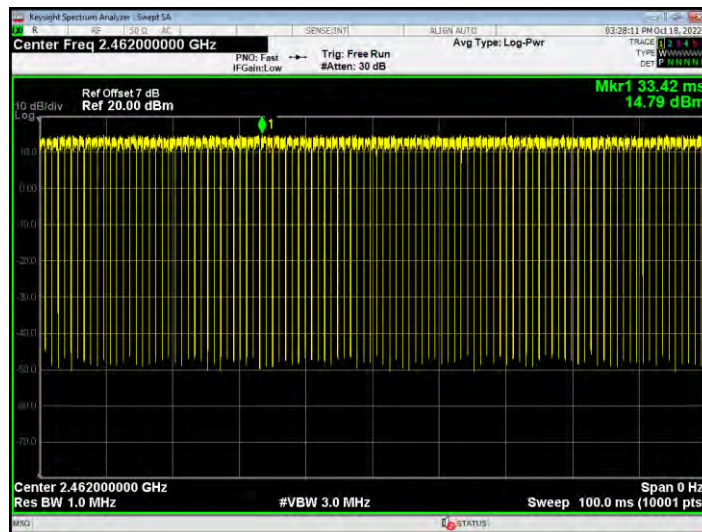
Duty Cycle NVNT b 2412MHz Ant1



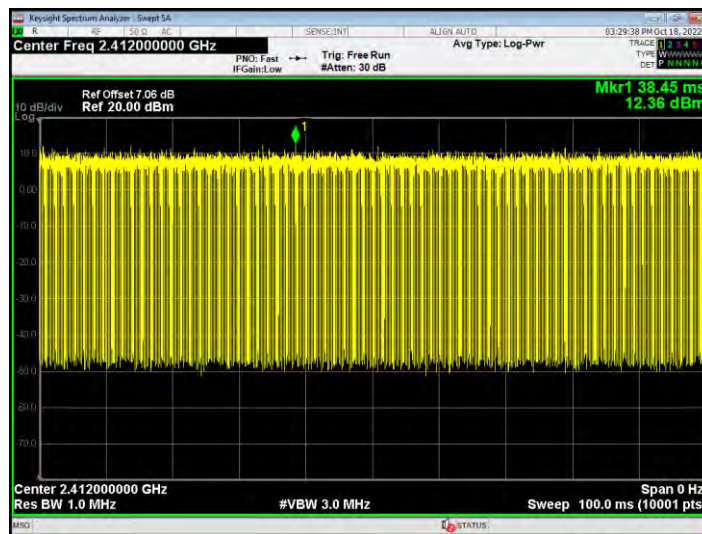
Duty Cycle NVNT b 2437MHz Ant1



Duty Cycle NVNT b 2462MHz Ant1



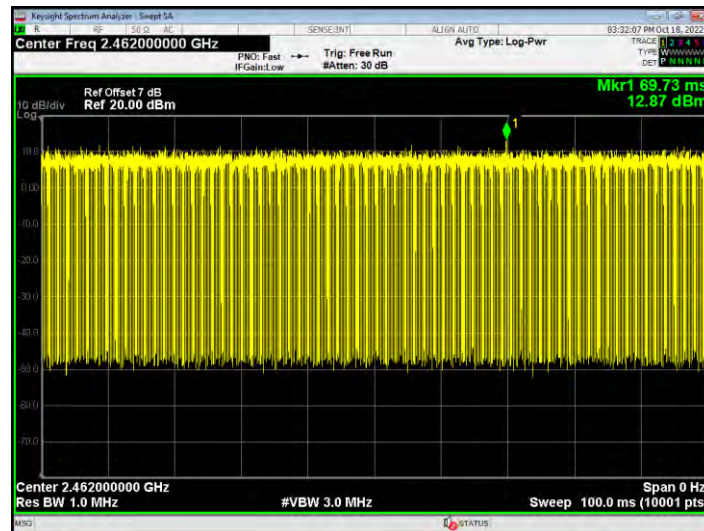
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



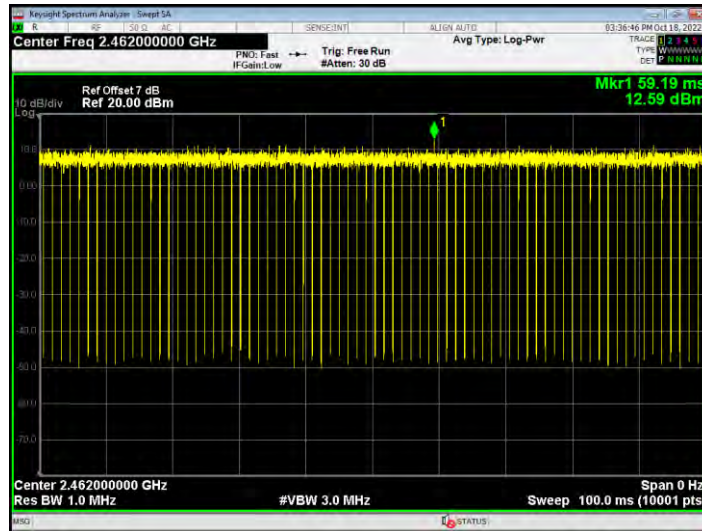
Duty Cycle NVNT n20 2412MHz Ant1



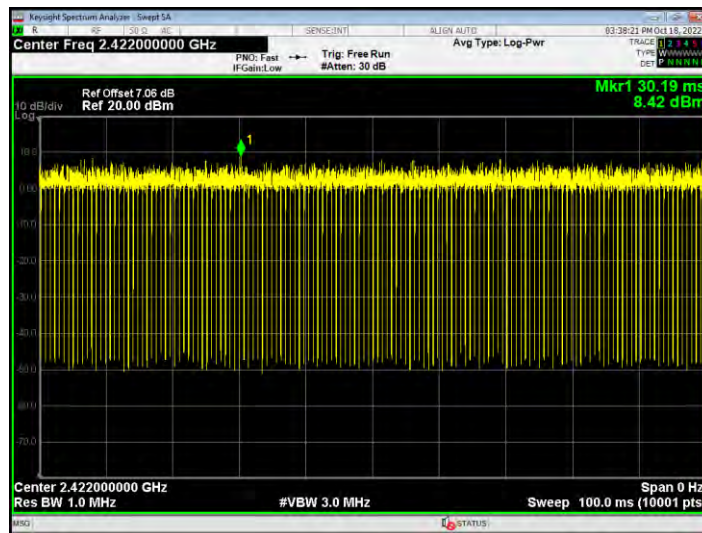
Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



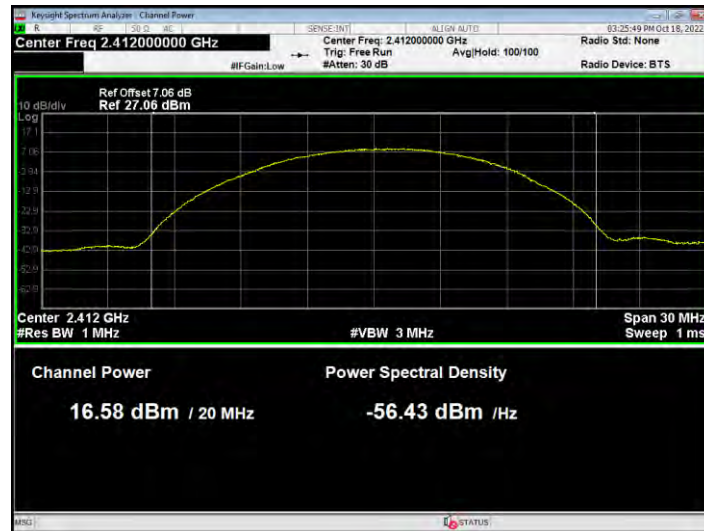
Duty Cycle NVNT n40 2452MHz Ant1



Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.58	0.12	16.70	30	Pass
NVNT	b	2437	Ant1	16.91	0.12	17.03	30	Pass
NVNT	b	2462	Ant1	15.76	0.12	15.88	30	Pass
NVNT	g	2412	Ant1	13.30	0.69	13.99	30	Pass
NVNT	g	2437	Ant1	13.54	0.69	14.23	30	Pass
NVNT	g	2462	Ant1	12.49	0.69	13.18	30	Pass
NVNT	n20	2412	Ant1	14.38	0.11	14.49	30	Pass
NVNT	n20	2437	Ant1	14.52	0.1	14.62	30	Pass
NVNT	n20	2462	Ant1	13.48	0.11	13.59	30	Pass
NVNT	n40	2422	Ant1	13.79	0.21	14.00	30	Pass
NVNT	n40	2437	Ant1	13.59	0.21	13.80	30	Pass
NVNT	n40	2452	Ant1	13.18	0.21	13.39	30	Pass

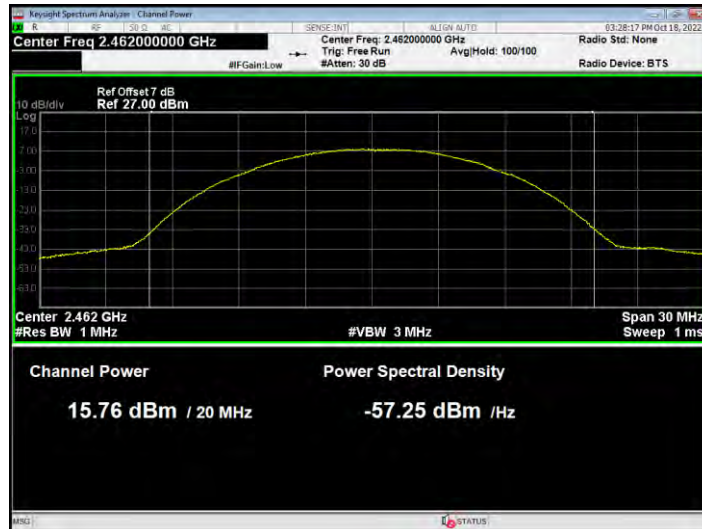
Power NVNT b 2412MHz Ant1



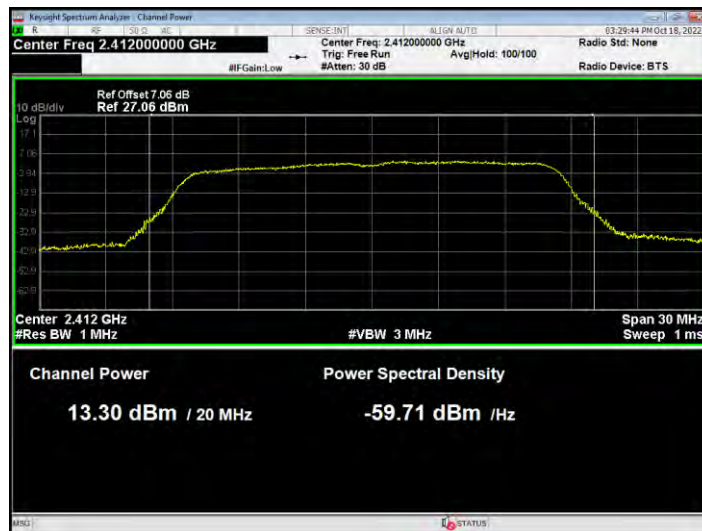
Power NVNT b 2437MHz Ant1



Power NVNT b 2462MHz Ant1



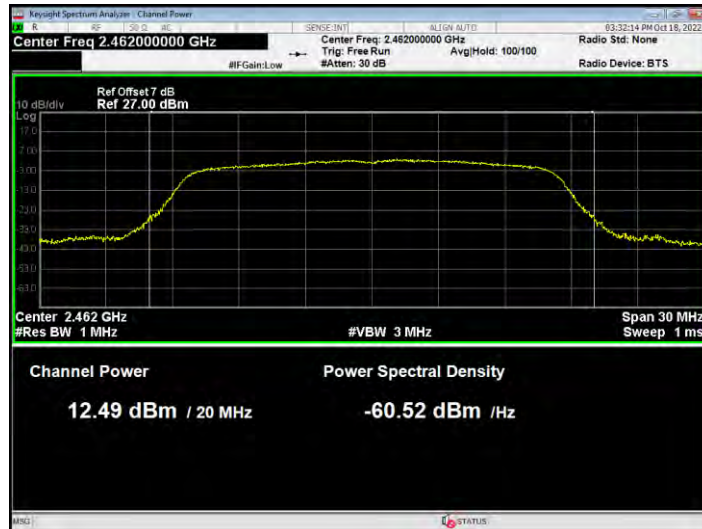
Power NVNT g 2412MHz Ant1



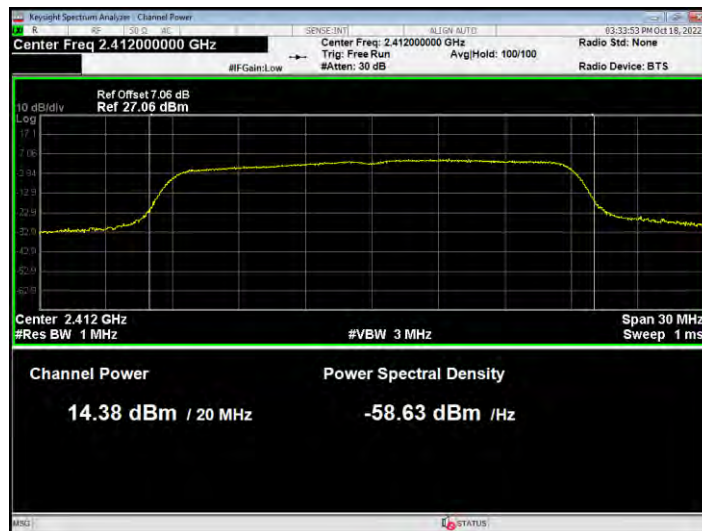
Power NVNT g 2437MHz Ant1



Power NVNT g 2462MHz Ant1



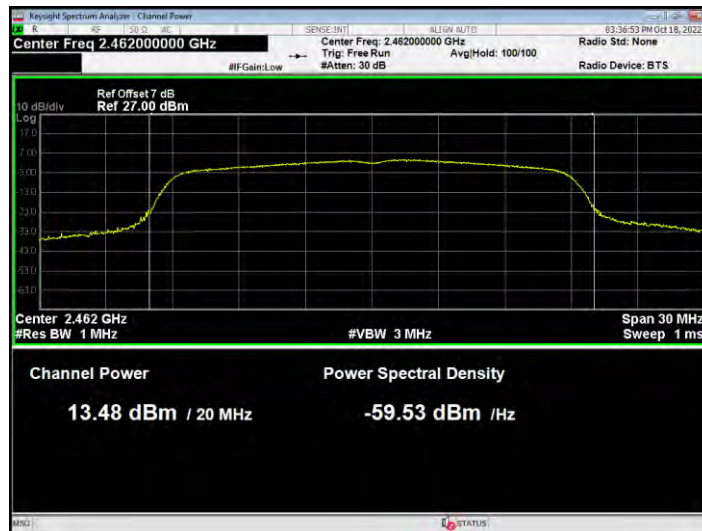
Power NVNT n20 2412MHz Ant1



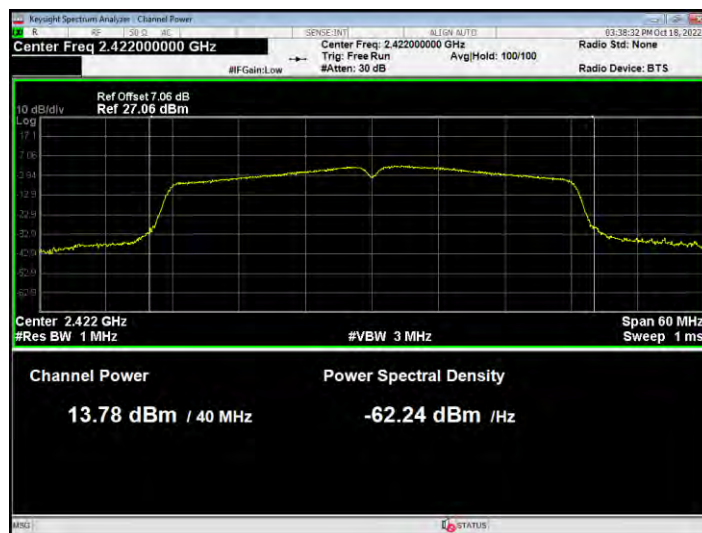
Power NVNT n20 2437MHz Ant1



Power NVNT n20 2462MHz Ant1



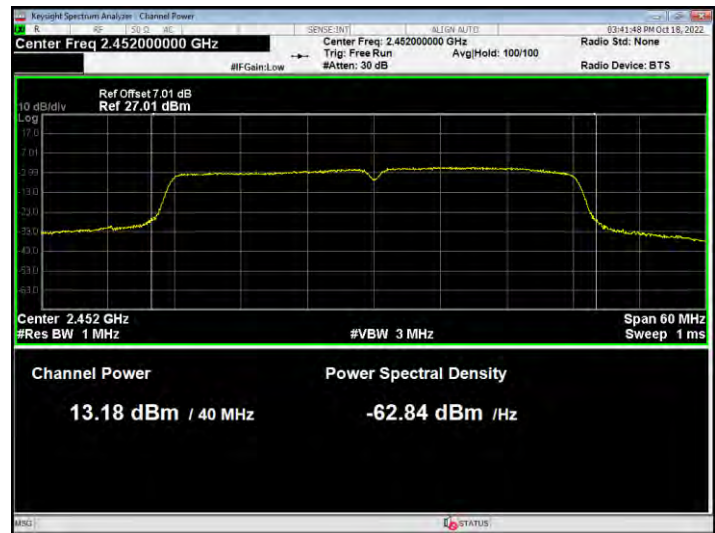
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



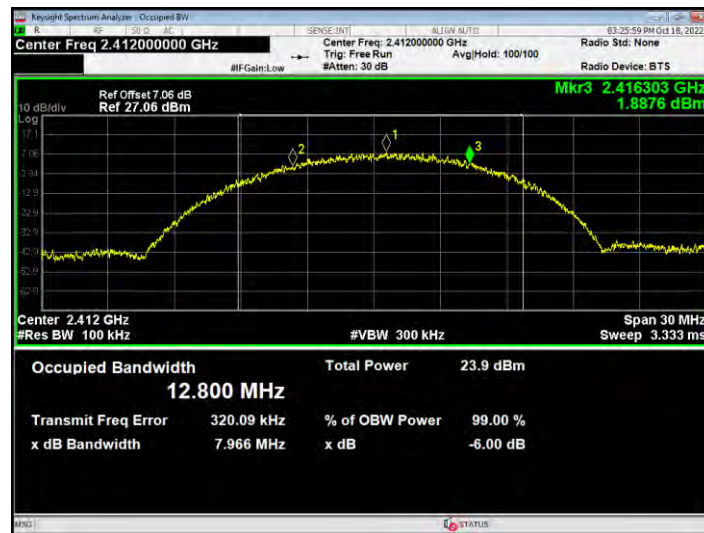
Power NVNT n40 2452MHz Ant1



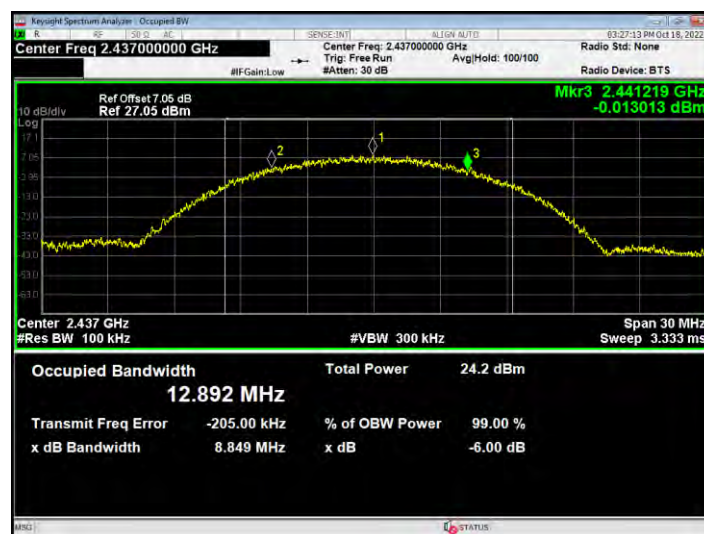
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.966	0.5	Pass
NVNT	b	2437	Ant1	8.849	0.5	Pass
NVNT	b	2462	Ant1	7.603	0.5	Pass
NVNT	g	2412	Ant1	15.764	0.5	Pass
NVNT	g	2437	Ant1	15.695	0.5	Pass
NVNT	g	2462	Ant1	15.071	0.5	Pass
NVNT	n20	2412	Ant1	16.321	0.5	Pass
NVNT	n20	2437	Ant1	16.323	0.5	Pass
NVNT	n20	2462	Ant1	15.033	0.5	Pass
NVNT	n40	2422	Ant1	22.491	0.5	Pass
NVNT	n40	2437	Ant1	35.089	0.5	Pass
NVNT	n40	2452	Ant1	35.044	0.5	Pass

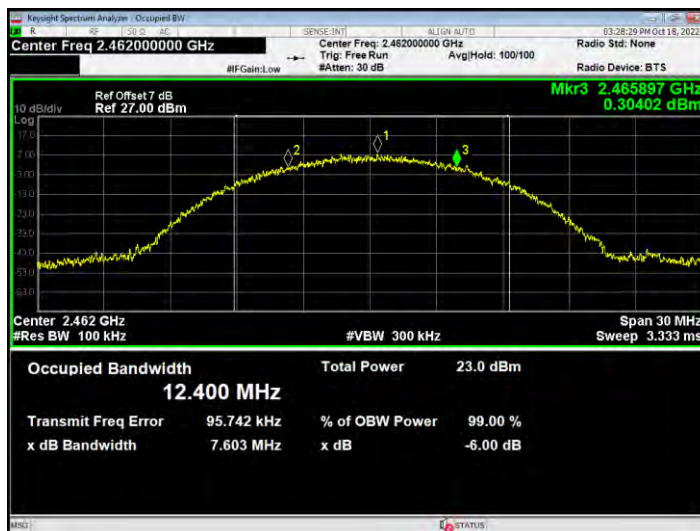
-6dB Bandwidth NVNT b 2412MHz Ant1



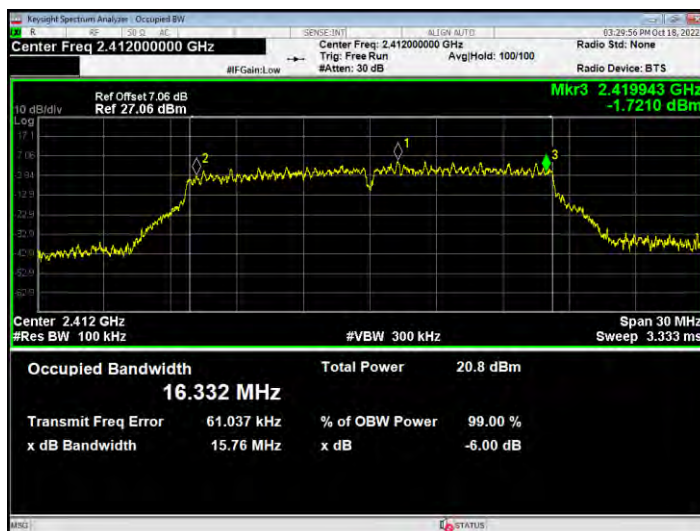
-6dB Bandwidth NVNT b 2437MHz Ant1



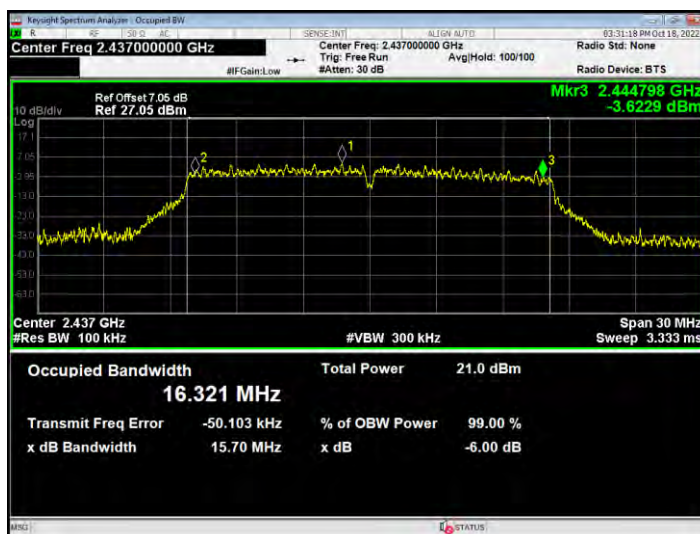
-6dB Bandwidth NVNT b 2462MHz Ant1



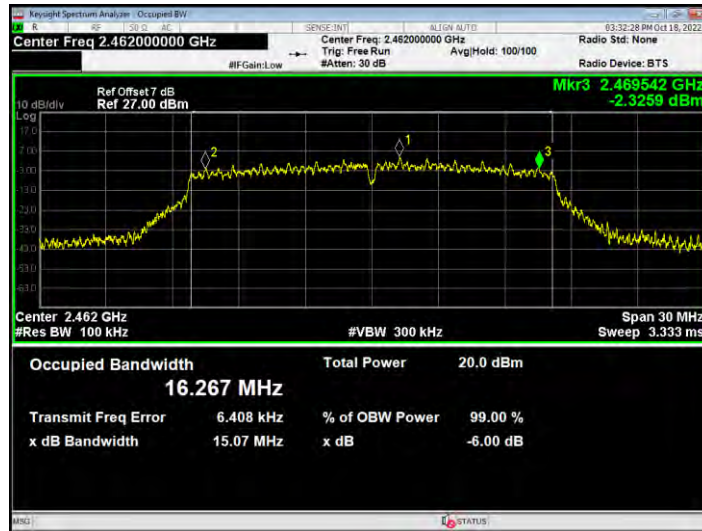
-6dB Bandwidth NVNT g 2412MHz Ant1



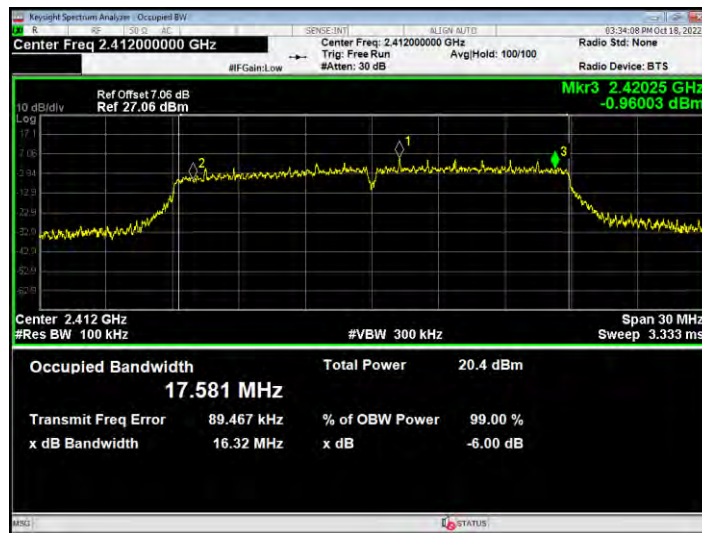
-6dB Bandwidth NVNT g 2437MHz Ant1



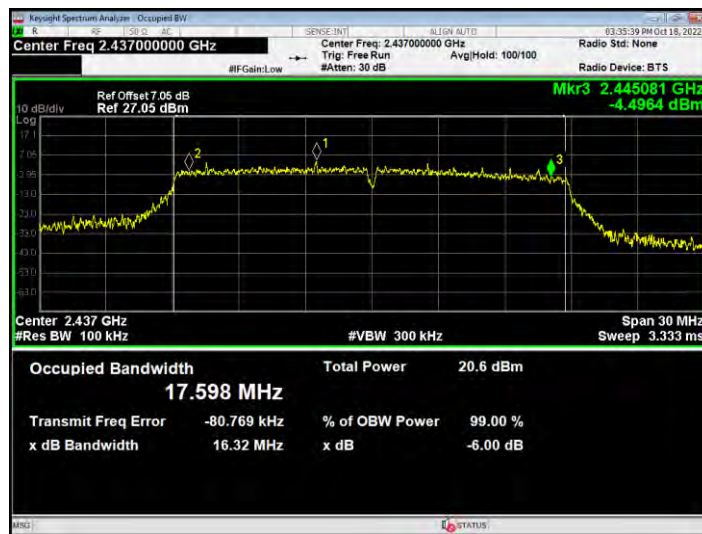
-6dB Bandwidth NVNT g 2462MHz Ant1



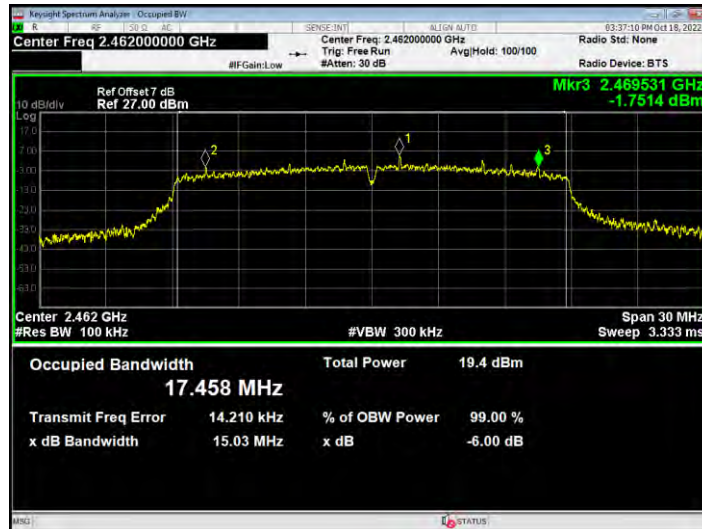
-6dB Bandwidth NVNT n20 2412MHz Ant1



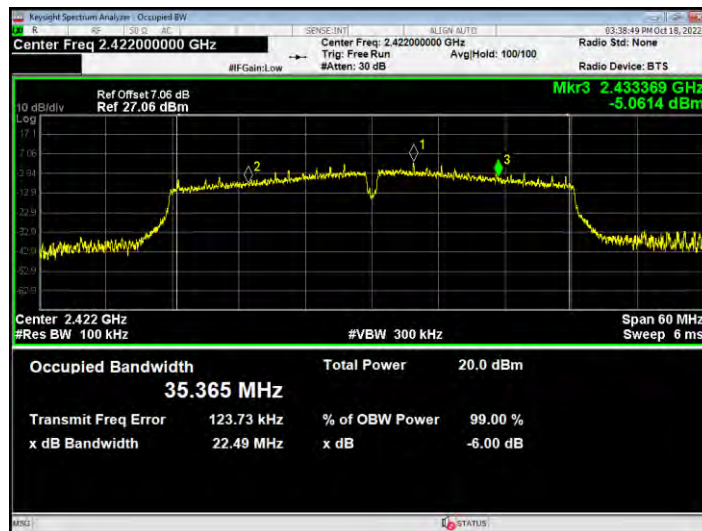
-6dB Bandwidth NVNT n20 2437MHz Ant1



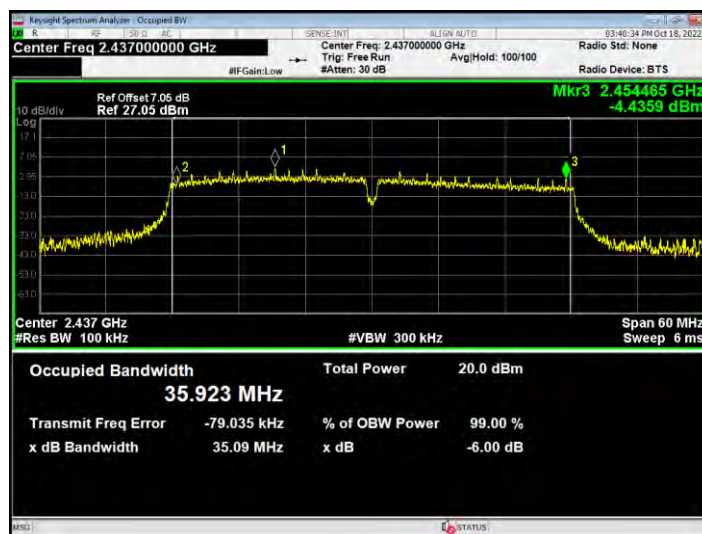
-6dB Bandwidth NVNT n20 2462MHz Ant1



-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



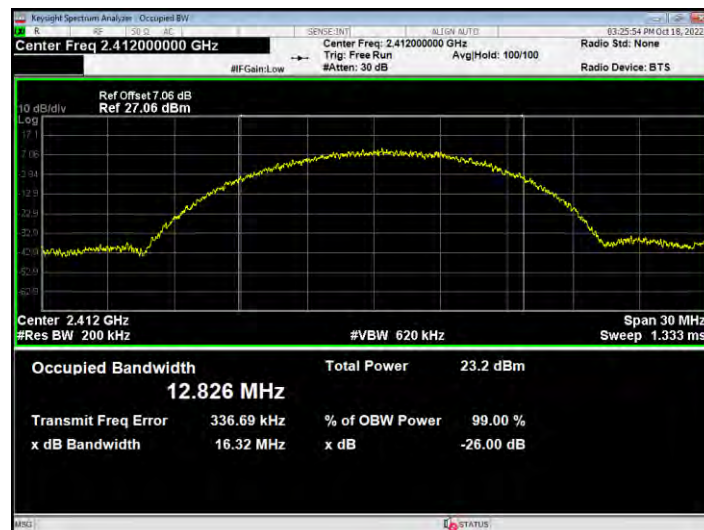
-6dB Bandwidth NVNT n40 2452MHz Ant1



Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.826
NVNT	b	2437	Ant1	12.962
NVNT	b	2462	Ant1	12.414
NVNT	g	2412	Ant1	16.419
NVNT	g	2437	Ant1	16.422
NVNT	g	2462	Ant1	16.292
NVNT	n20	2412	Ant1	17.654
NVNT	n20	2437	Ant1	17.648
NVNT	n20	2462	Ant1	17.459
NVNT	n40	2422	Ant1	35.559
NVNT	n40	2437	Ant1	36.028
NVNT	n40	2452	Ant1	36.099

OBW NVNT b 2412MHz Ant1



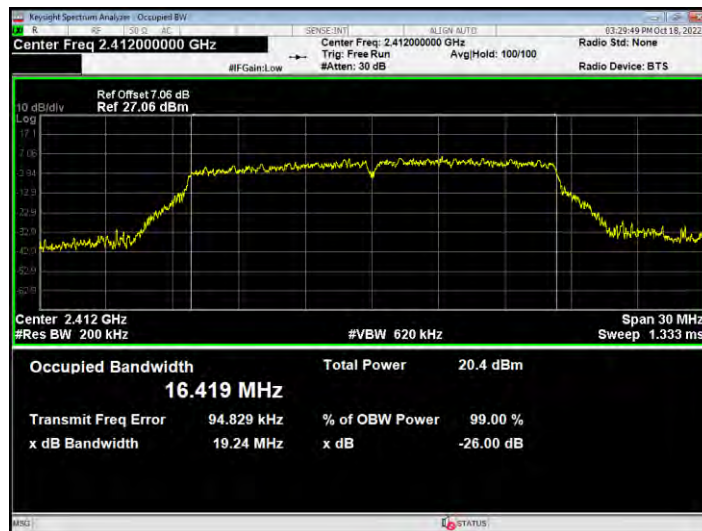
OBW NVNT b 2437MHz Ant1



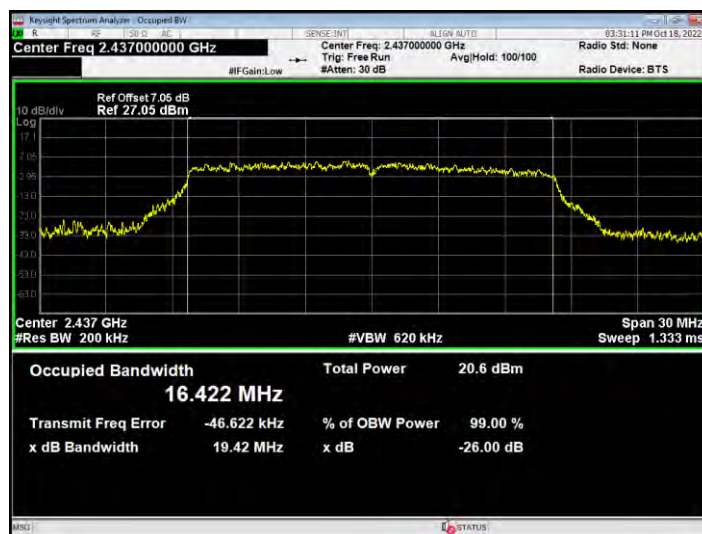
OBW NVNT b 2462MHz Ant1



OBW NVNT g 2412MHz Ant1



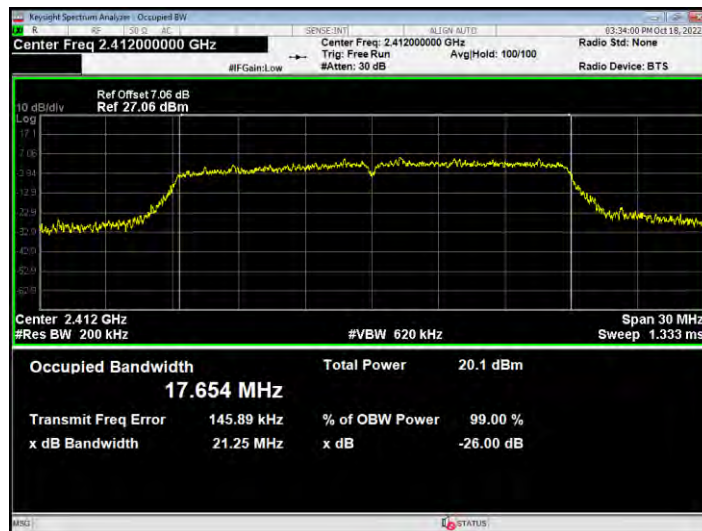
OBW NVNT g 2437MHz Ant1



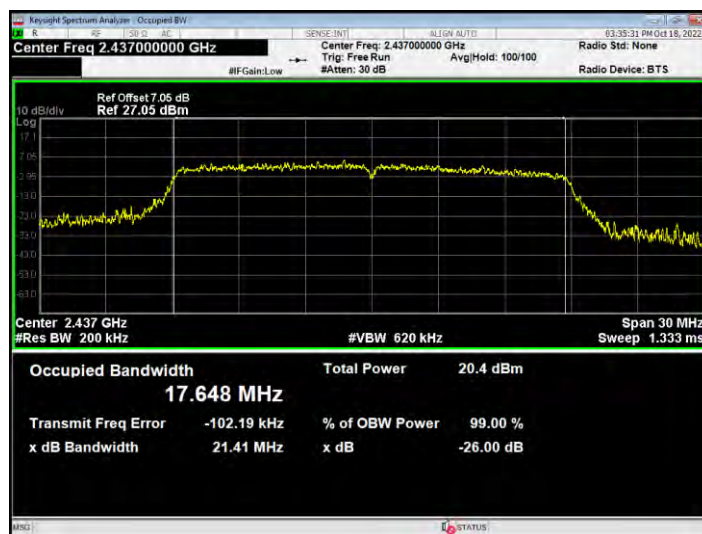
OBW NVNT g 2462MHz Ant1



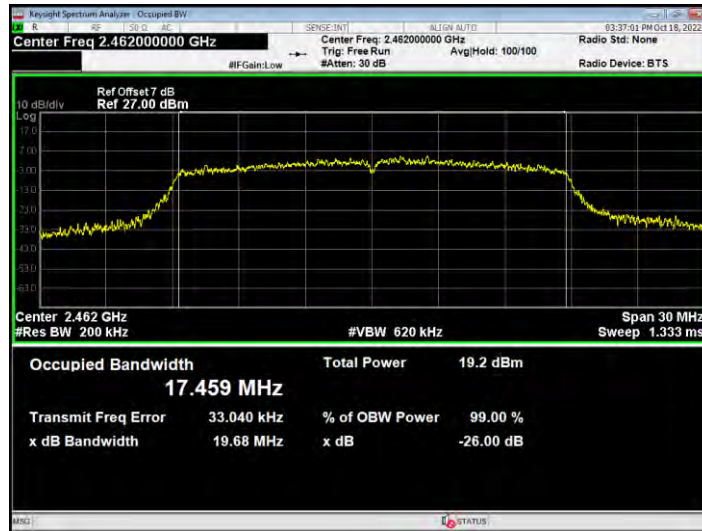
OBW NVNT n20 2412MHz Ant1



OBW NVNT n20 2437MHz Ant1



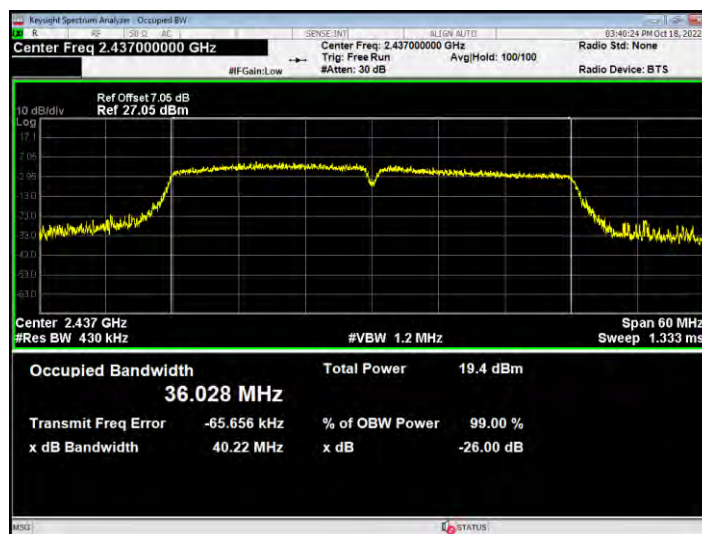
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



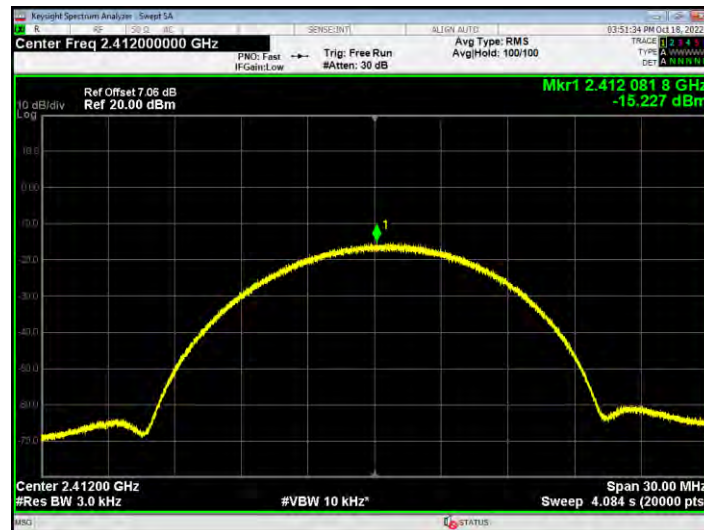
OBW NVNT n40 2452MHz Ant1



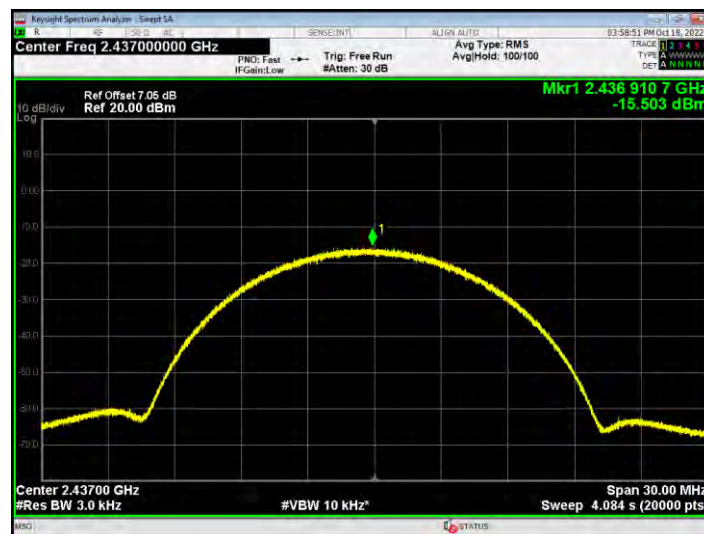
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-15.227	8	Pass
NVNT	b	2437	Ant1	-15.503	8	Pass
NVNT	b	2462	Ant1	-15.392	8	Pass
NVNT	g	2412	Ant1	-18.958	8	Pass
NVNT	g	2437	Ant1	-19.26	8	Pass
NVNT	g	2462	Ant1	-19.68	8	Pass
NVNT	n20	2412	Ant1	-19.616	8	Pass
NVNT	n20	2437	Ant1	-19.653	8	Pass
NVNT	n20	2462	Ant1	-19.751	8	Pass
NVNT	n40	2422	Ant1	-21.317	8	Pass
NVNT	n40	2437	Ant1	-22.476	8	Pass
NVNT	n40	2452	Ant1	-20.485	8	Pass

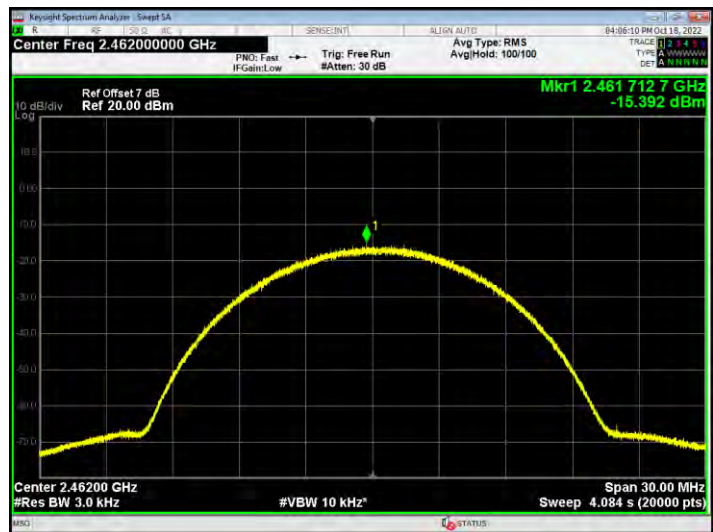
PSD NVNT b 2412MHz Ant1



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



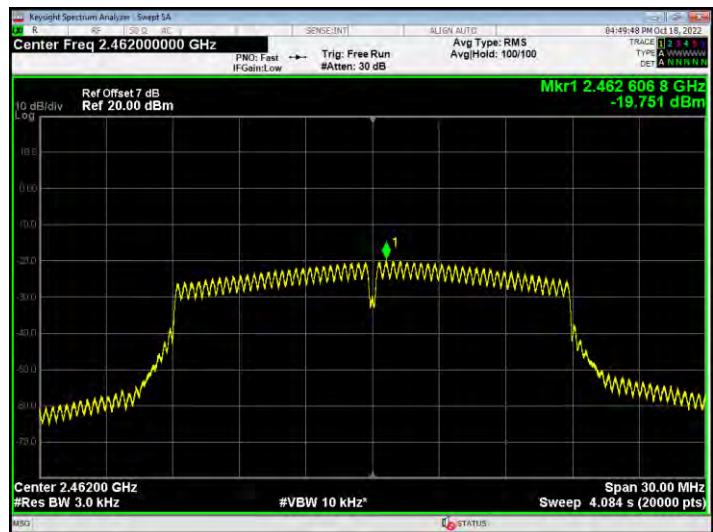
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PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1



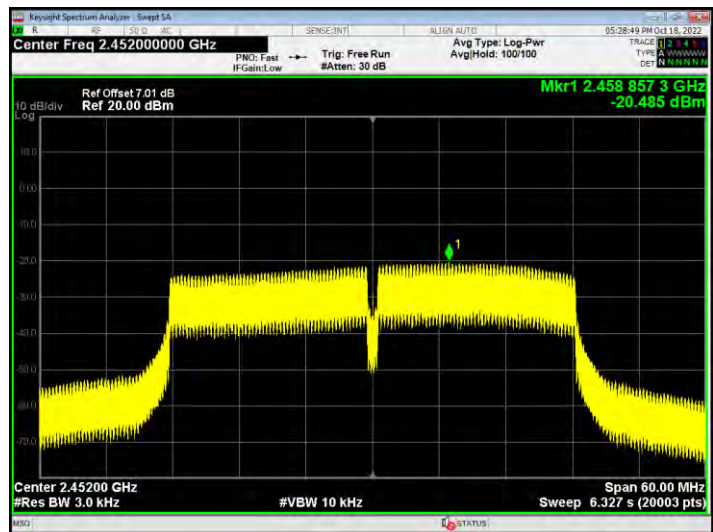
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



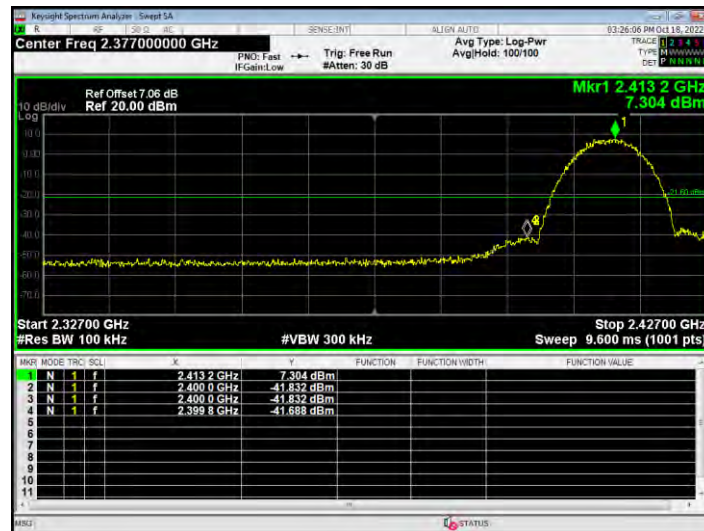
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.09	-30	Pass
NVNT	b	2462	Ant1	-59.85	-30	Pass
NVNT	g	2412	Ant1	-43.01	-30	Pass
NVNT	g	2462	Ant1	-51.66	-30	Pass
NVNT	n20	2412	Ant1	-34.44	-30	Pass
NVNT	n20	2462	Ant1	-50.11	-30	Pass
NVNT	n40	2422	Ant1	-36.51	-30	Pass
NVNT	n40	2452	Ant1	-40.58	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



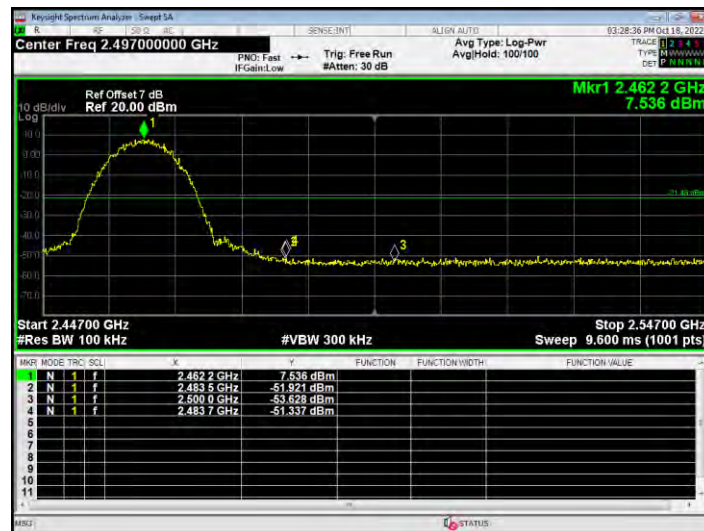
Band Edge NVNT b 2412MHz Ant1 Emission



Band Edge NVNT b 2462MHz Ant1 Ref



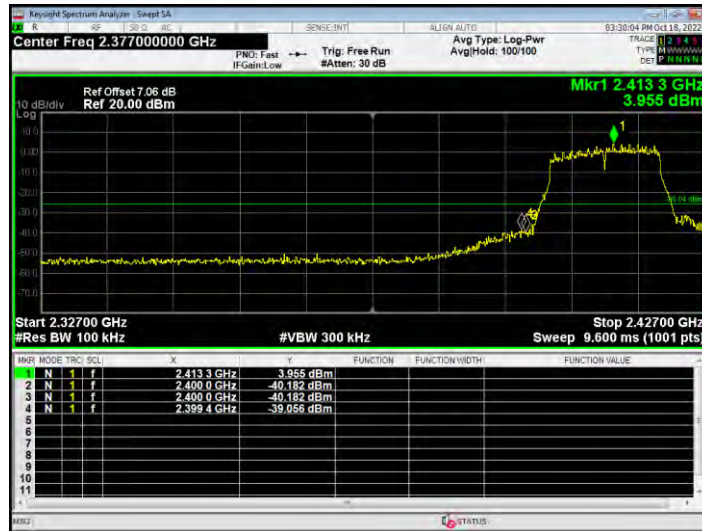
Band Edge NVNT b 2462MHz Ant1 Emission



Band Edge NVNT g 2412MHz Ant1 Ref



Band Edge NVNT g 2412MHz Ant1 Emission



Band Edge NVNT g 2462MHz Ant1 Ref



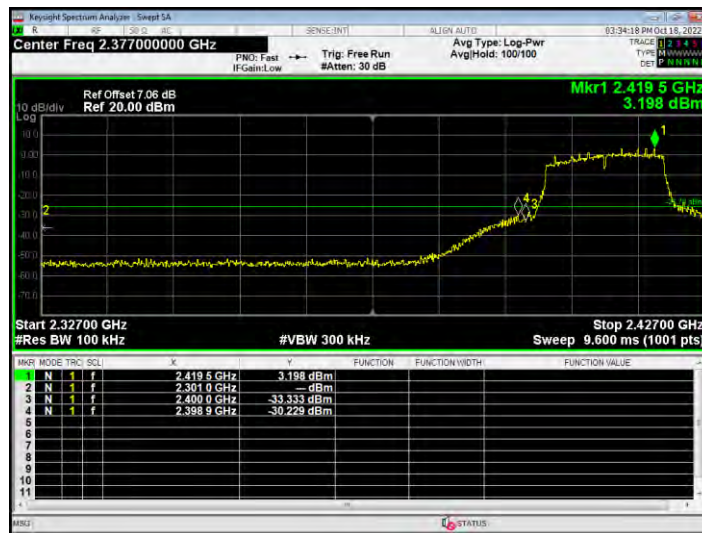
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



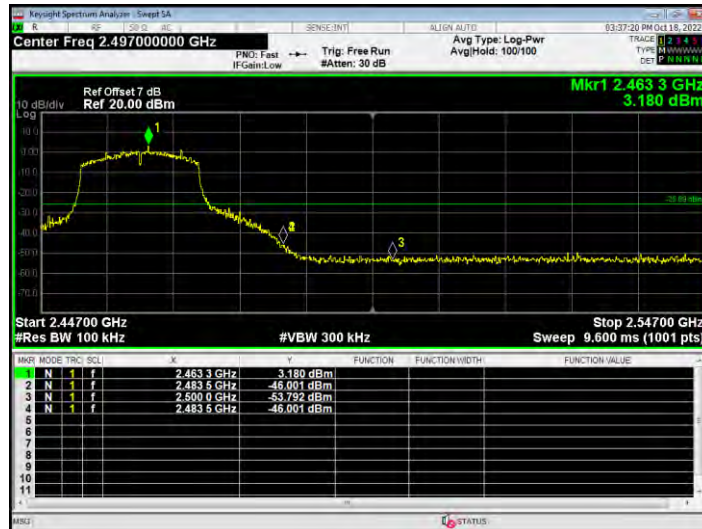
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



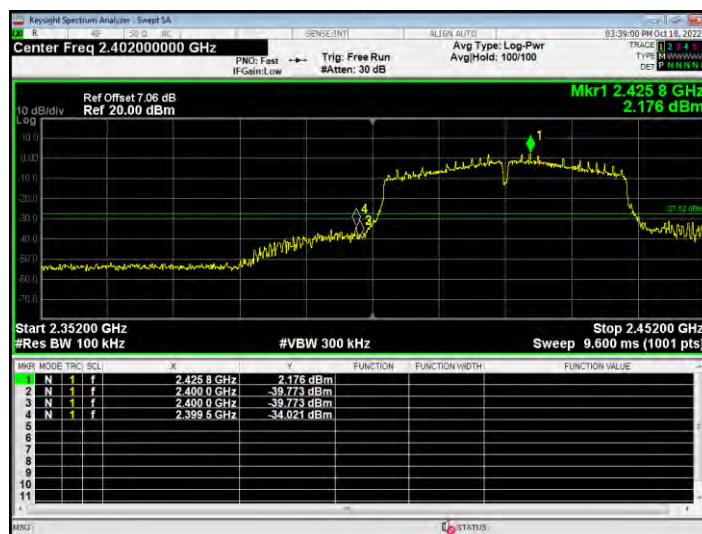
Band Edge NVNT n20 2462MHz Ant1 Emission



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



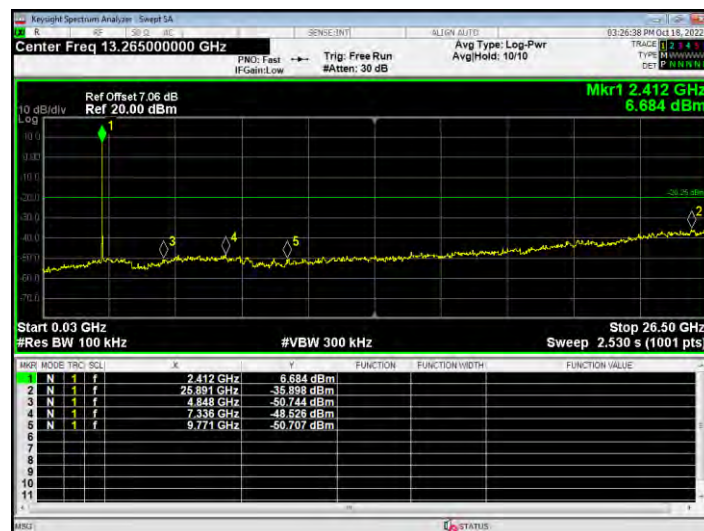
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-45.64	-30	Pass
NVNT	b	2437	Ant1	-38.99	-30	Pass
NVNT	b	2462	Ant1	-43.68	-30	Pass
NVNT	g	2412	Ant1	-40.04	-30	Pass
NVNT	g	2437	Ant1	-39.12	-30	Pass
NVNT	g	2462	Ant1	-39.77	-20	Pass
NVNT	n20	2412	Ant1	-40.22	-30	Pass
NVNT	n20	2437	Ant1	-40.89	-30	Pass
NVNT	n20	2462	Ant1	-39.12	-20	Pass
NVNT	n40	2422	Ant1	-38.23	-30	Pass
NVNT	n40	2437	Ant1	-36.97	-30	Pass
NVNT	n40	2452	Ant1	-36.34	-20	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref



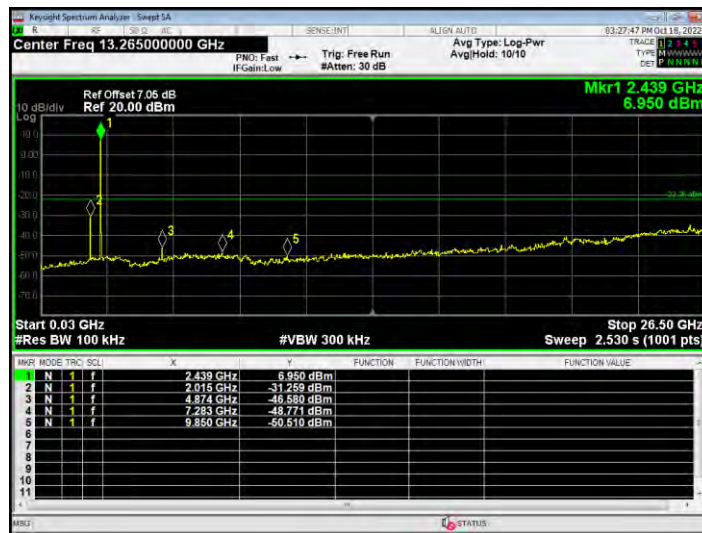
Tx. Spurious NVNT b 2412MHz Ant1 Emission



Tx. Spurious NVNT b 2437MHz Ant1 Ref



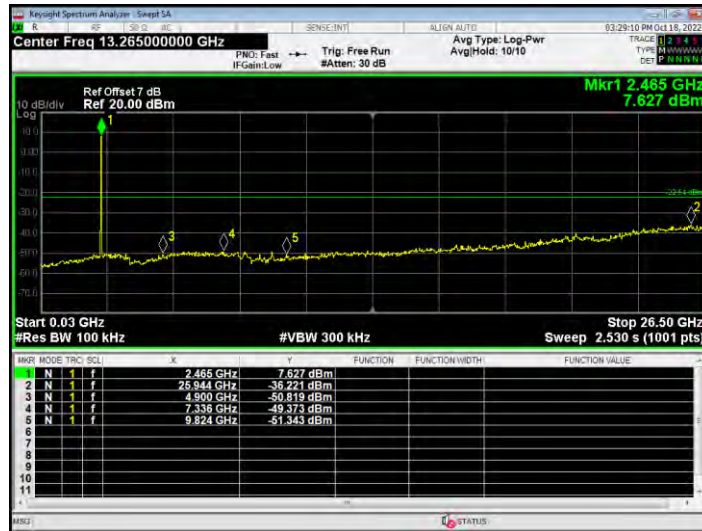
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



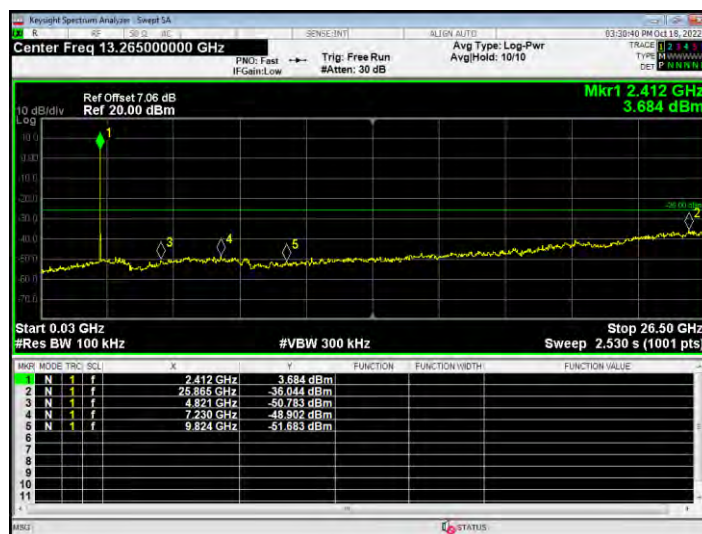
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



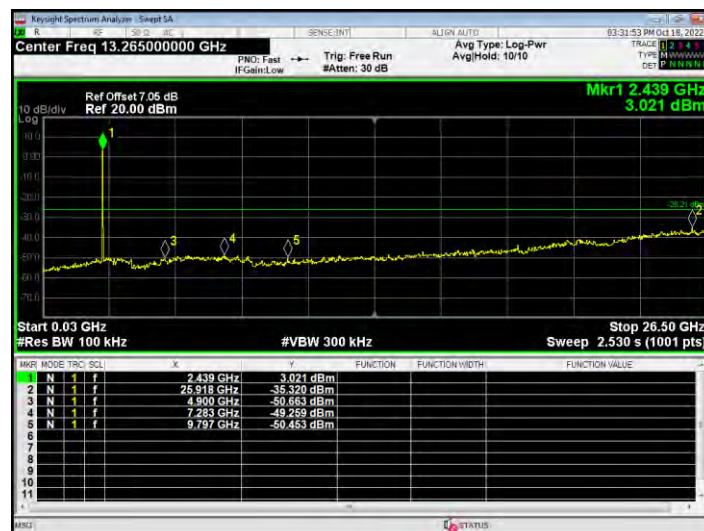
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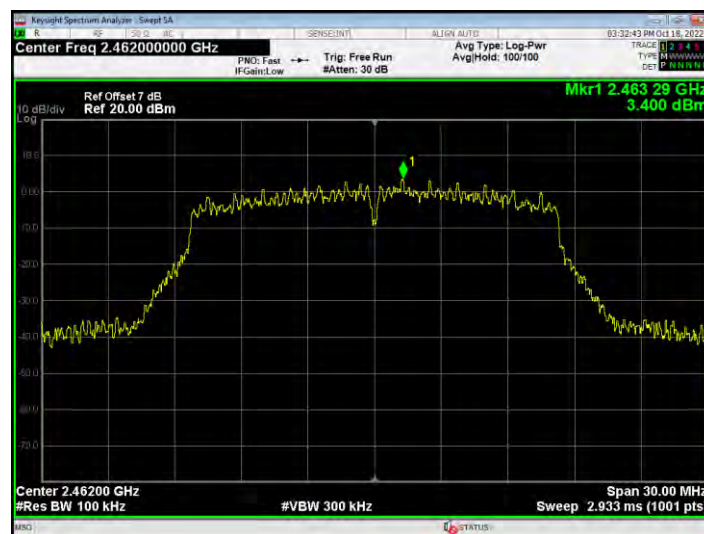
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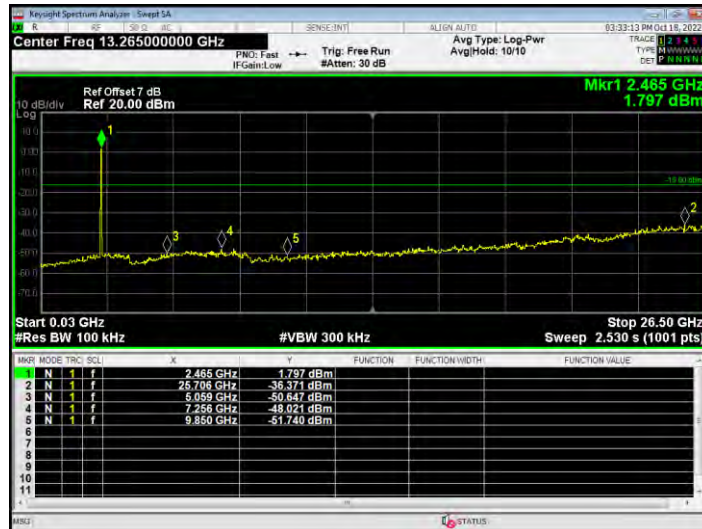
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref



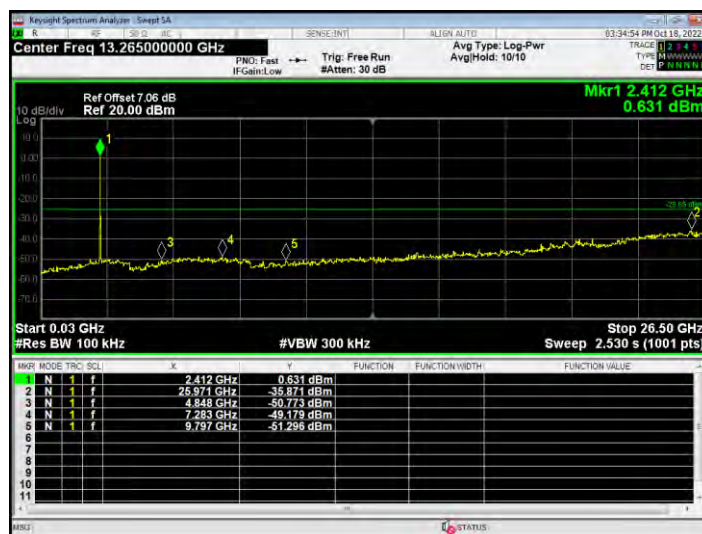
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



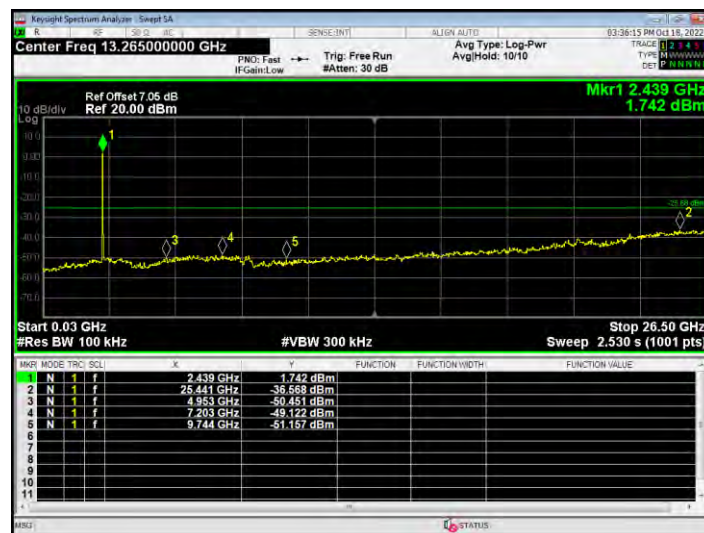
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



Tx. Spurious NVNT n20 2437MHz Ant1 Ref



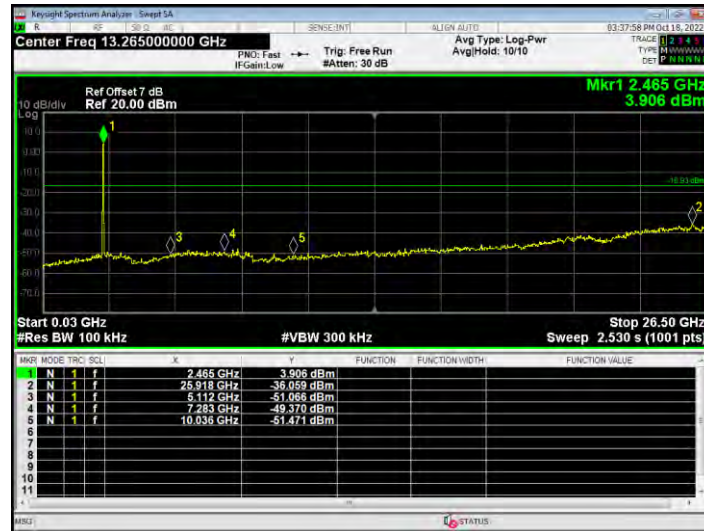
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



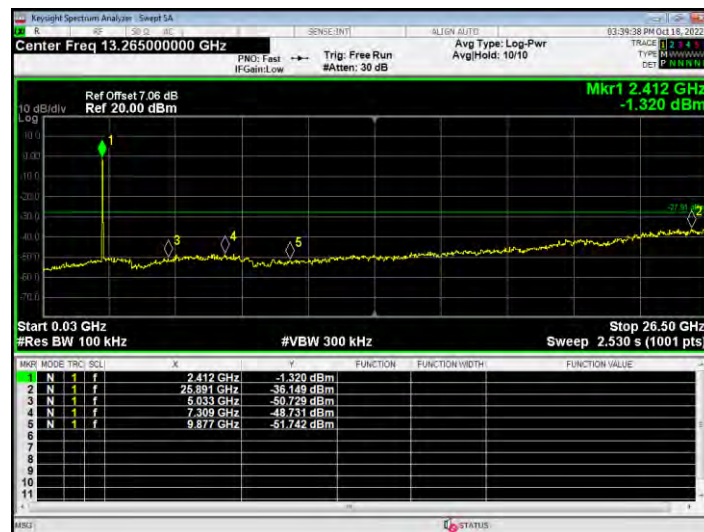
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Tx. Spurious NVNT n40 2422MHz Ant1 Ref



Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Emission

