

FCC Test Report

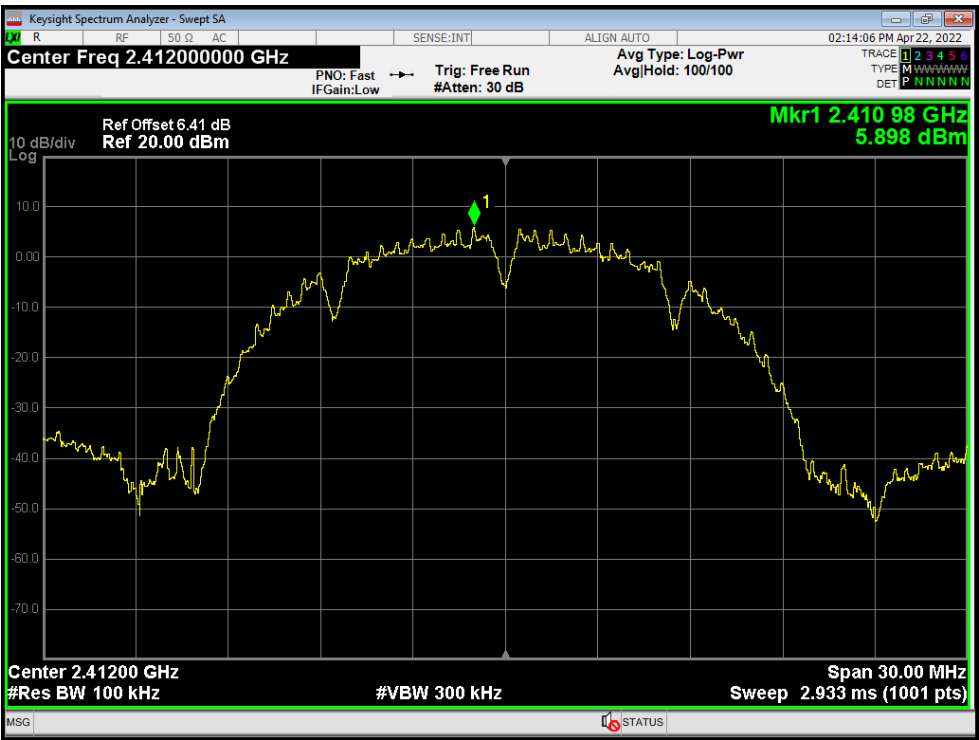
ANNEX 1 2.4GWIFI

FCC ID: 2A6DV-HPAD

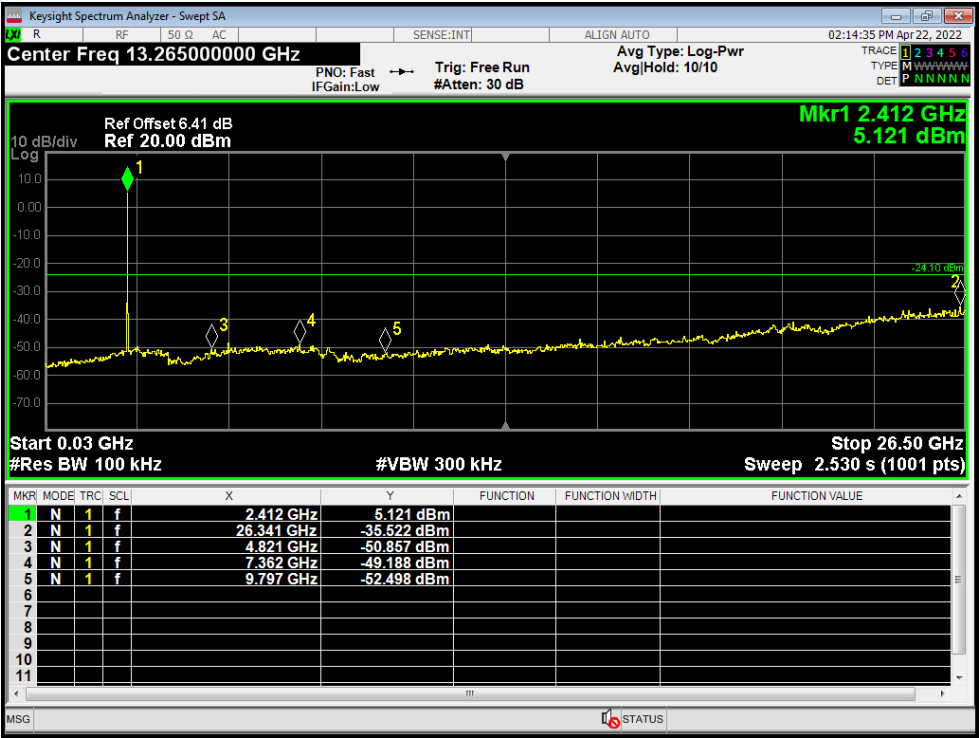
Applicant:	CHINA HAINERGY NEW ENERGY CORP., LTD
Address:	Unit 1908, 19/F., Harbour Centre, 25 Harbour Road, Wan Chai, Hong Kong, China.
Manufacturer:	CHINA HAINERGY NEW ENERGY CORP., LTD
Address:	Unit 1908, 19/F., Harbour Centre, 25 Harbour Road, Wan Chai, Hong Kong, China.
EUT:	Tablet
Trade Mark:	Haitech
Model Number:	HPAD-M2
Date of Receipt:	Apr. 13, 2022
Test Date:	Apr. 13, 2022 – Apr. 22, 2022
Date of Report:	Apr. 22, 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

Conducted RF Spurious Emission

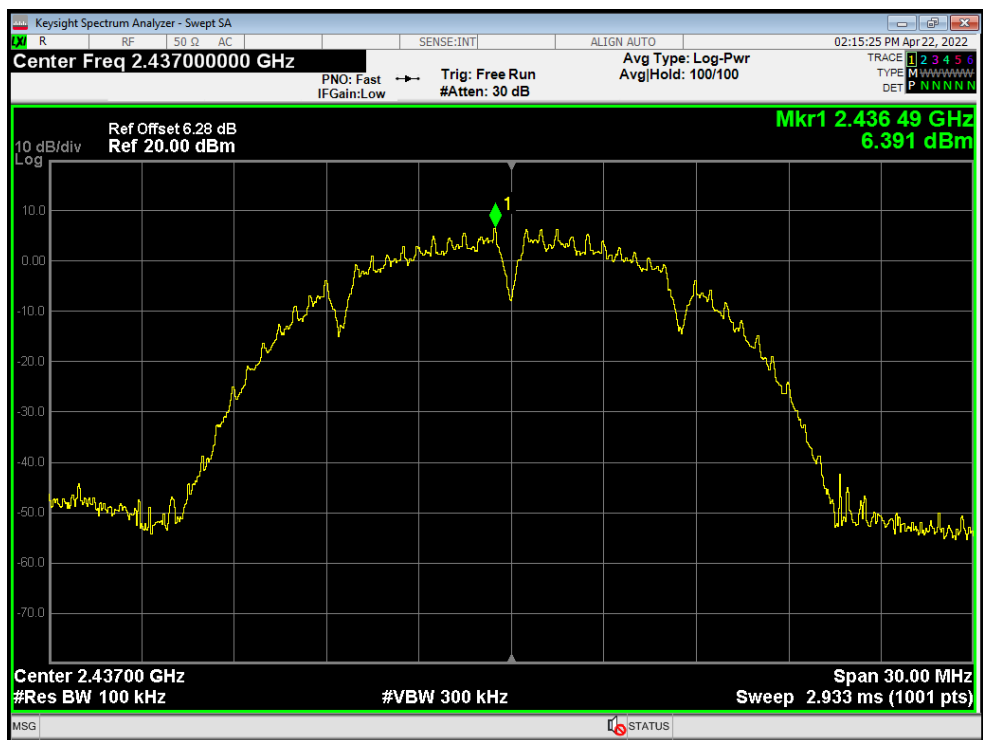
Tx. Spurious NVNT b 2412MHz Ant1 Ref



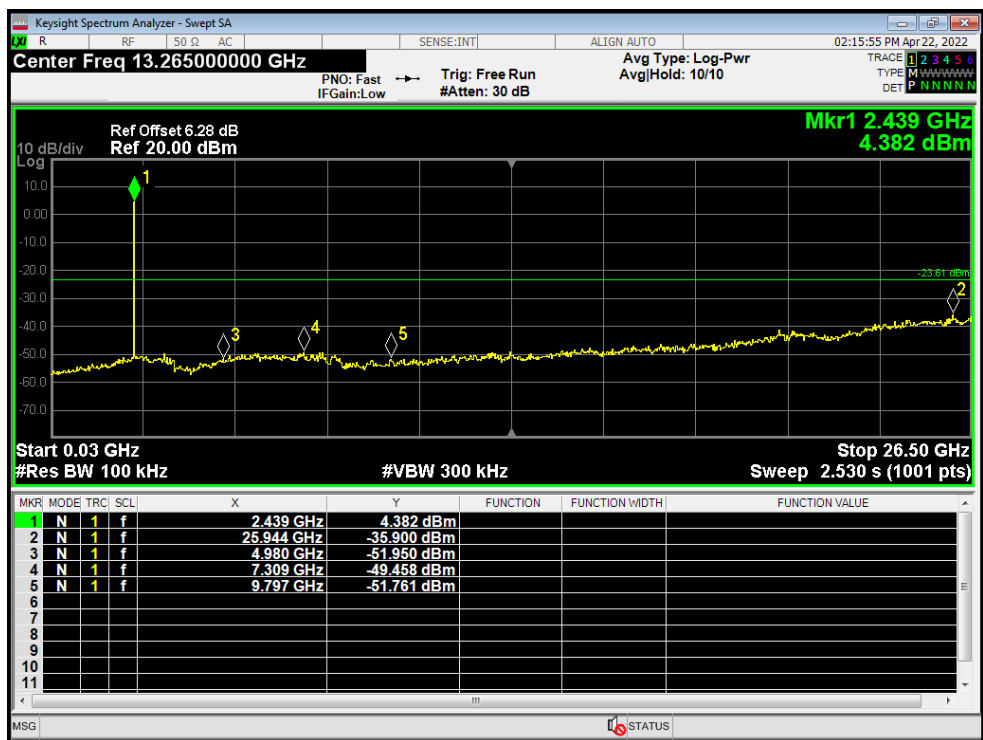
Tx. Spurious NVNT b 2412MHz Ant1 Emission



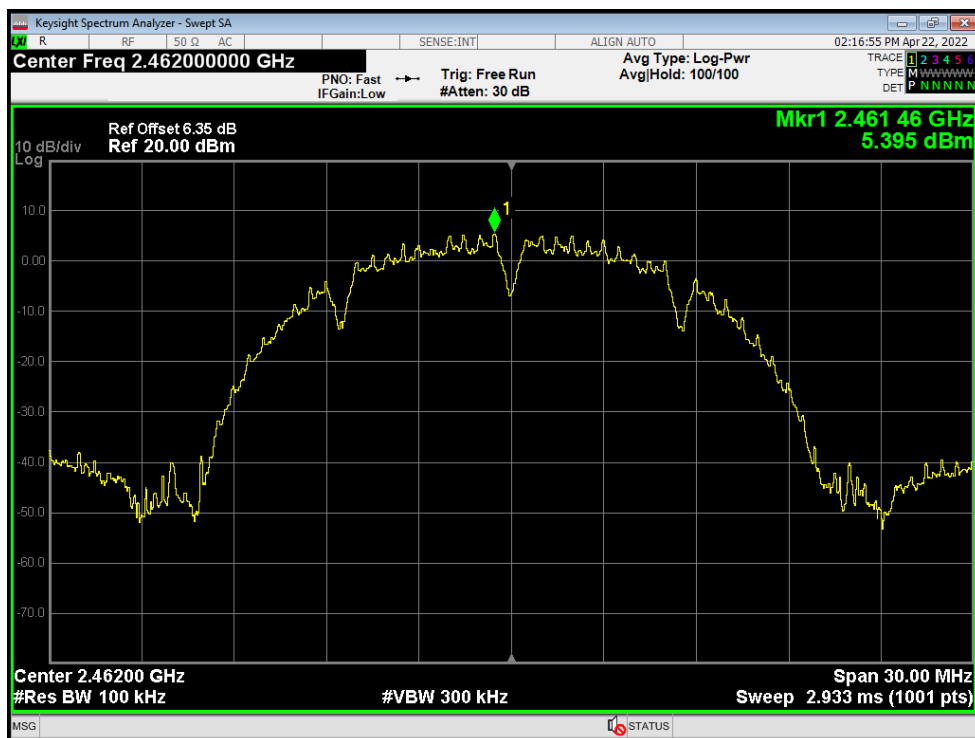
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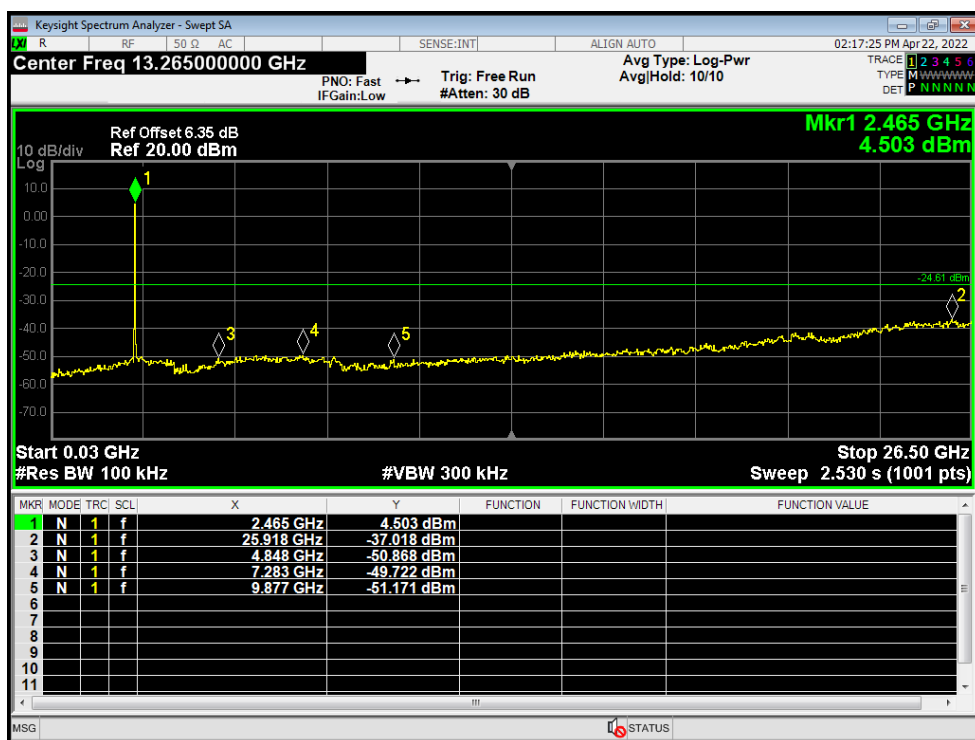
Tx. Spurious NVNT b 2437MHz Ant1 Emission



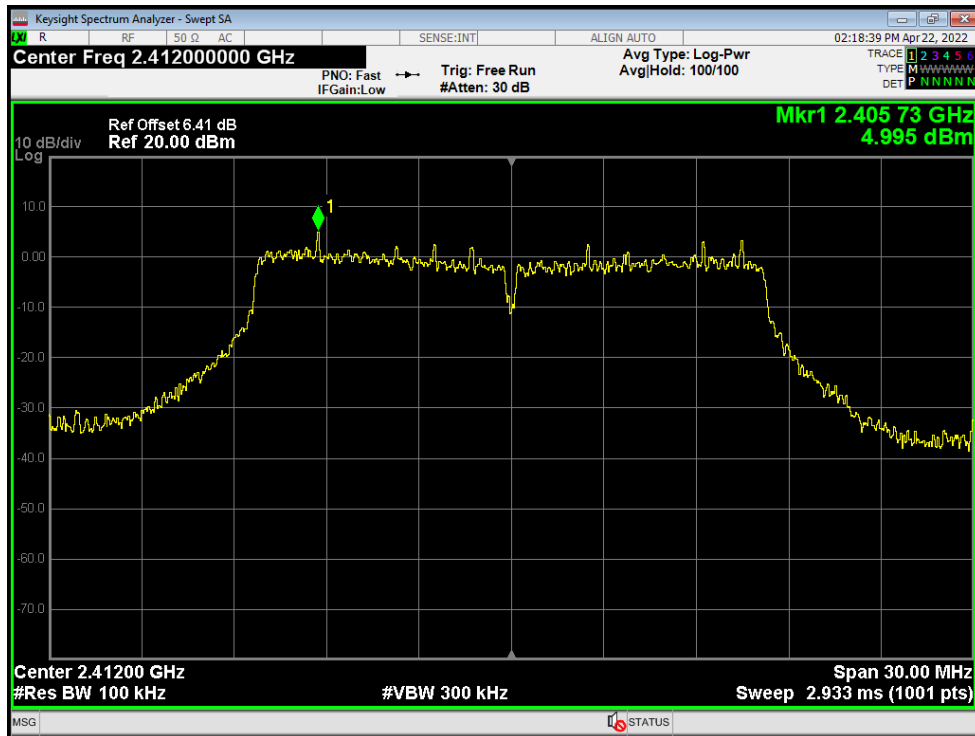
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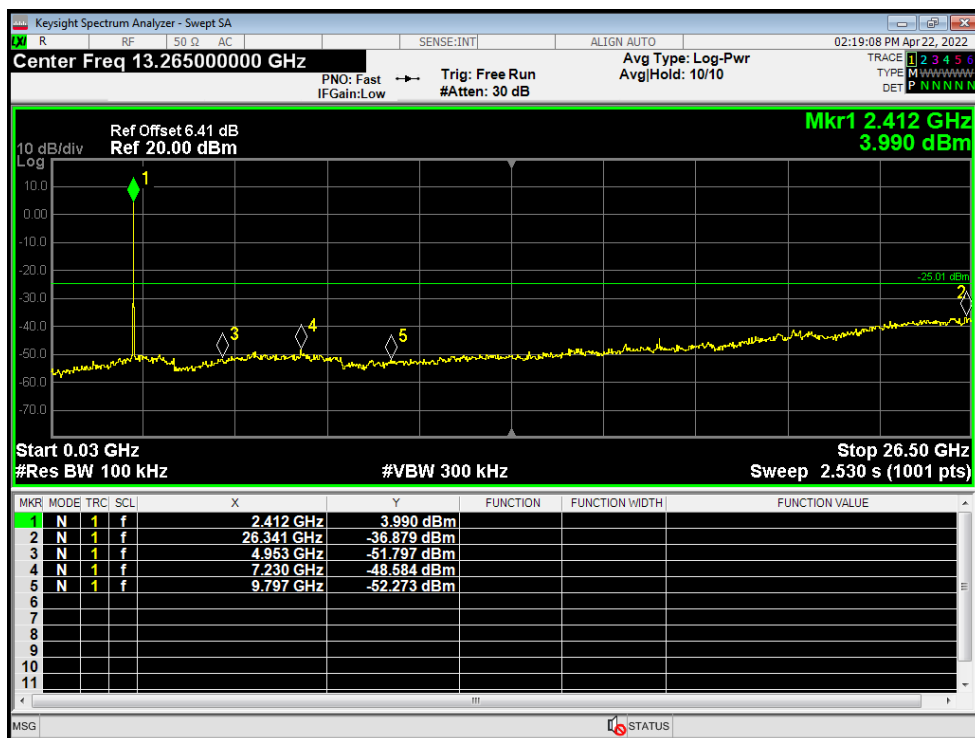
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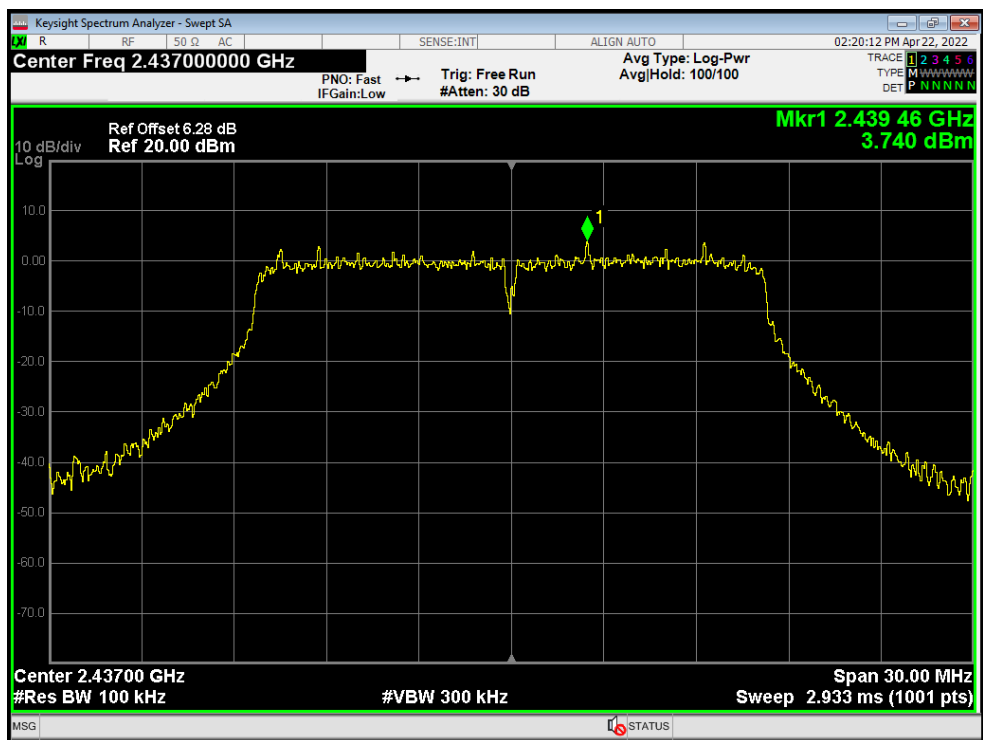
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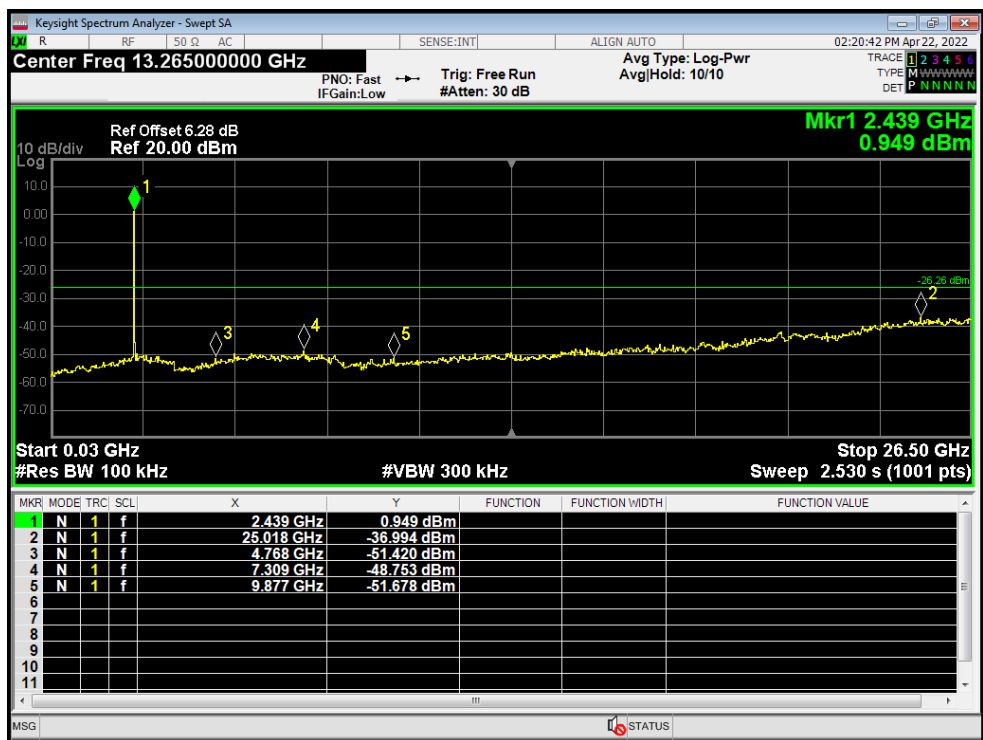
Tx. Spurious NVNT g 2412MHz Ant1 Emission



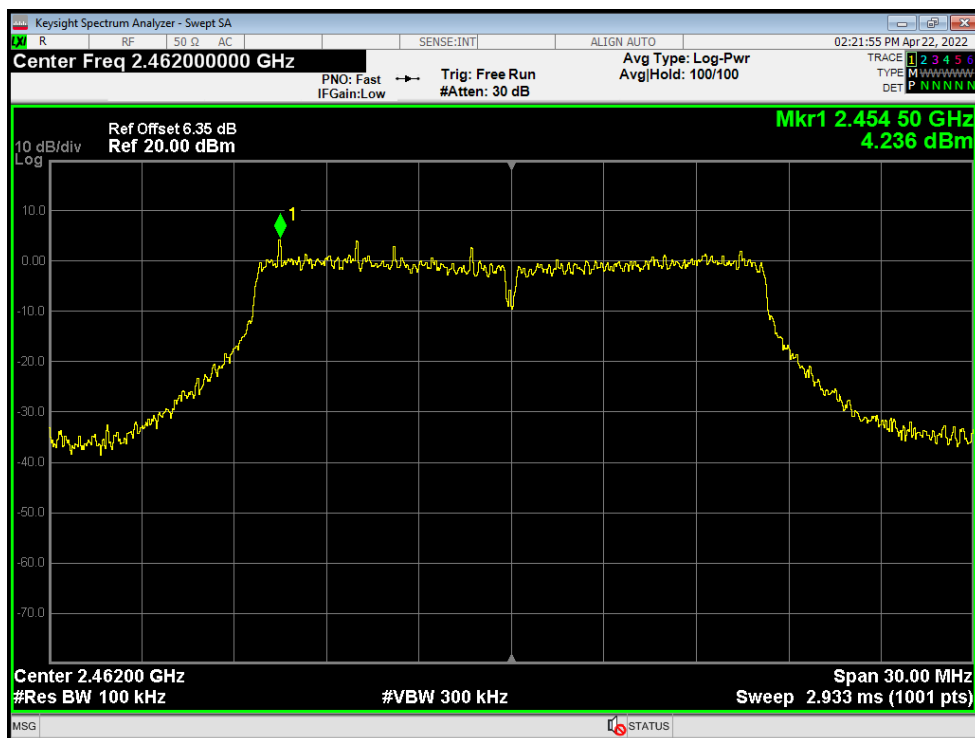
Tx. Spurious NVNT g 2437MHz Ant1 Ref



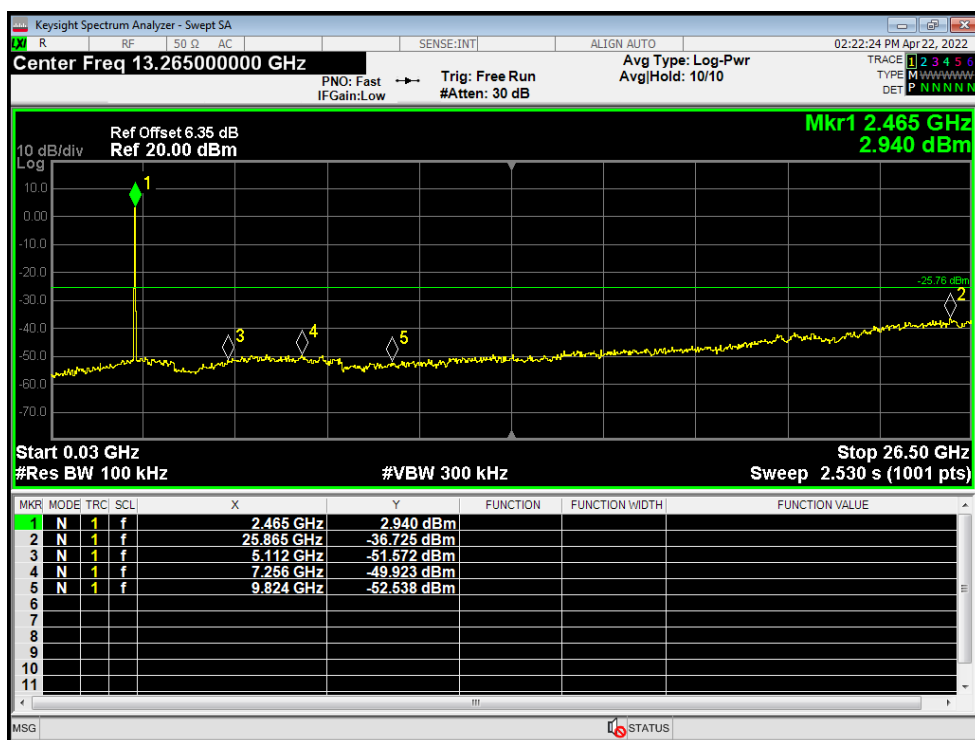
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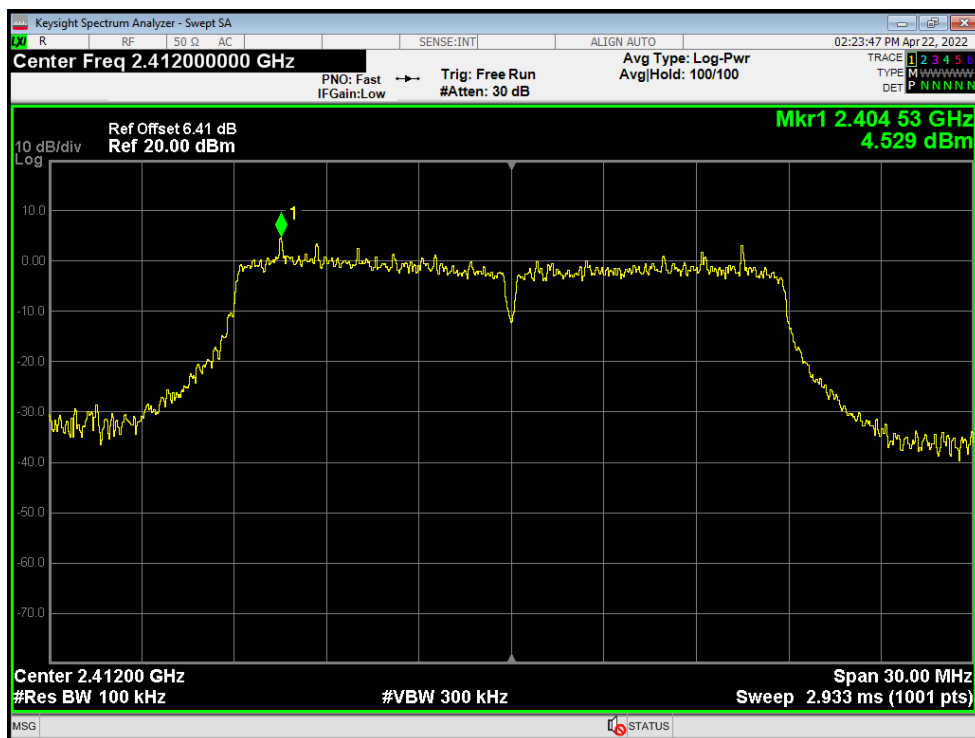
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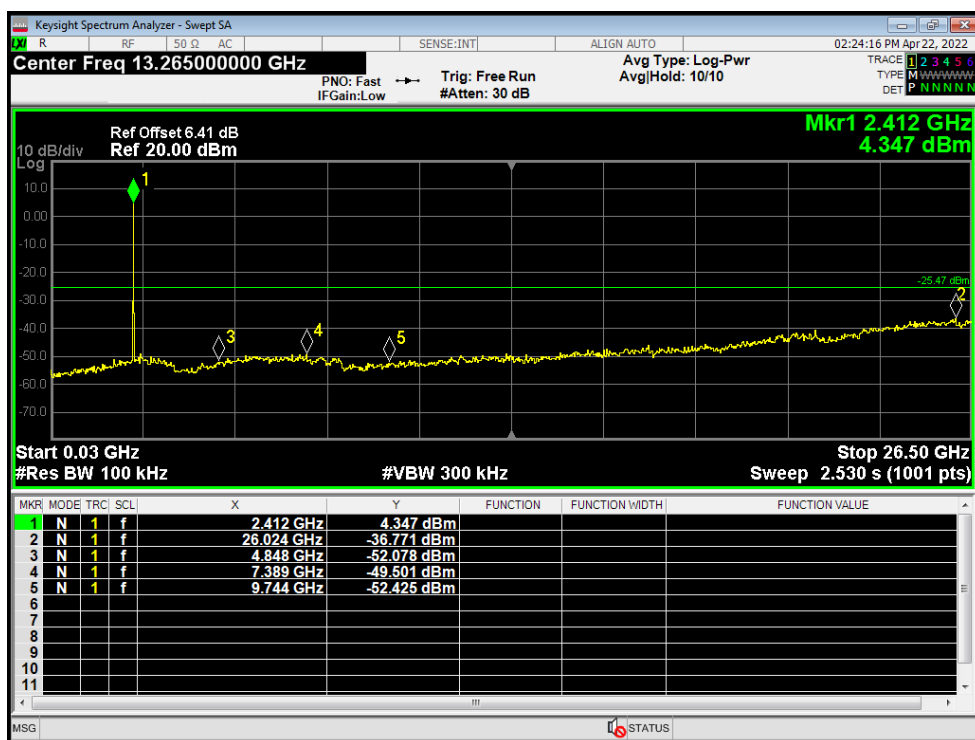
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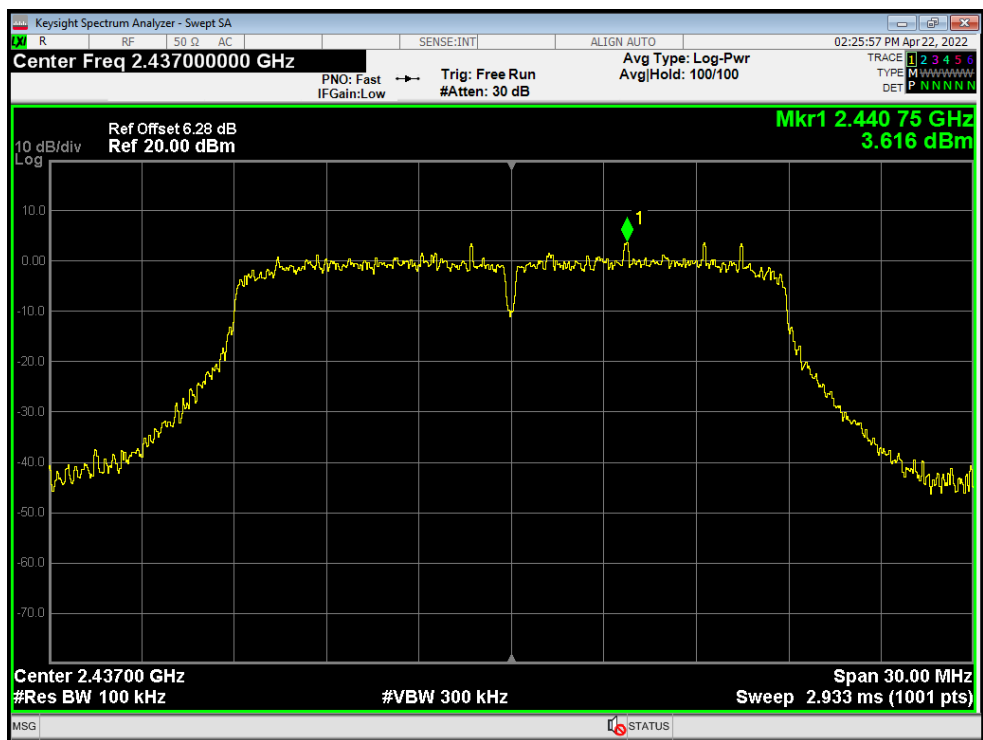
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



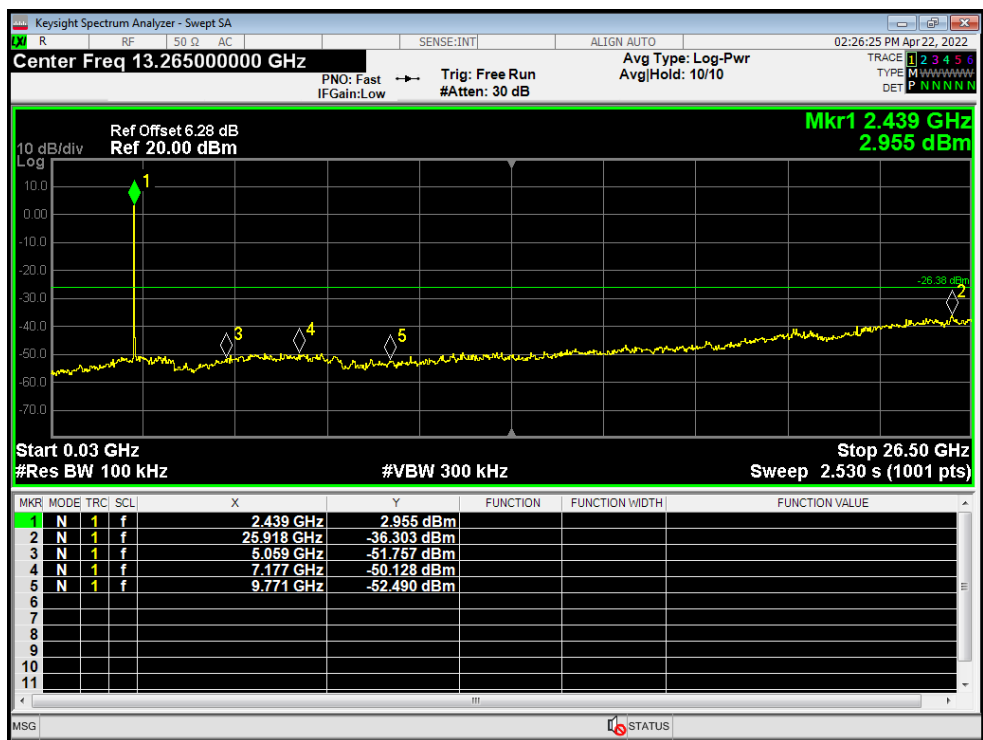
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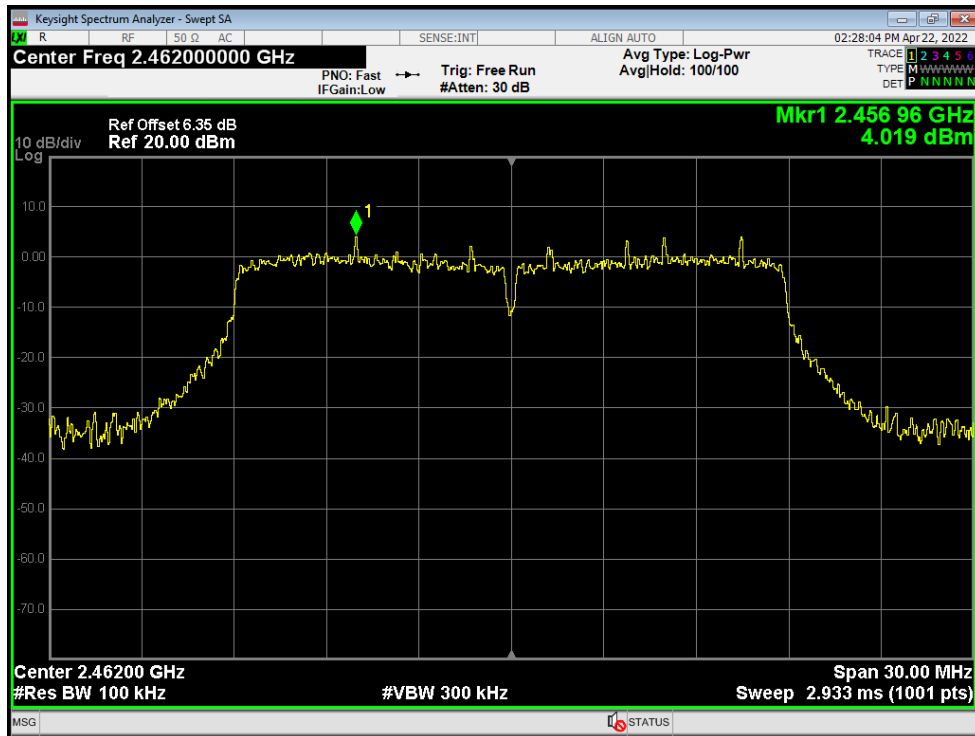
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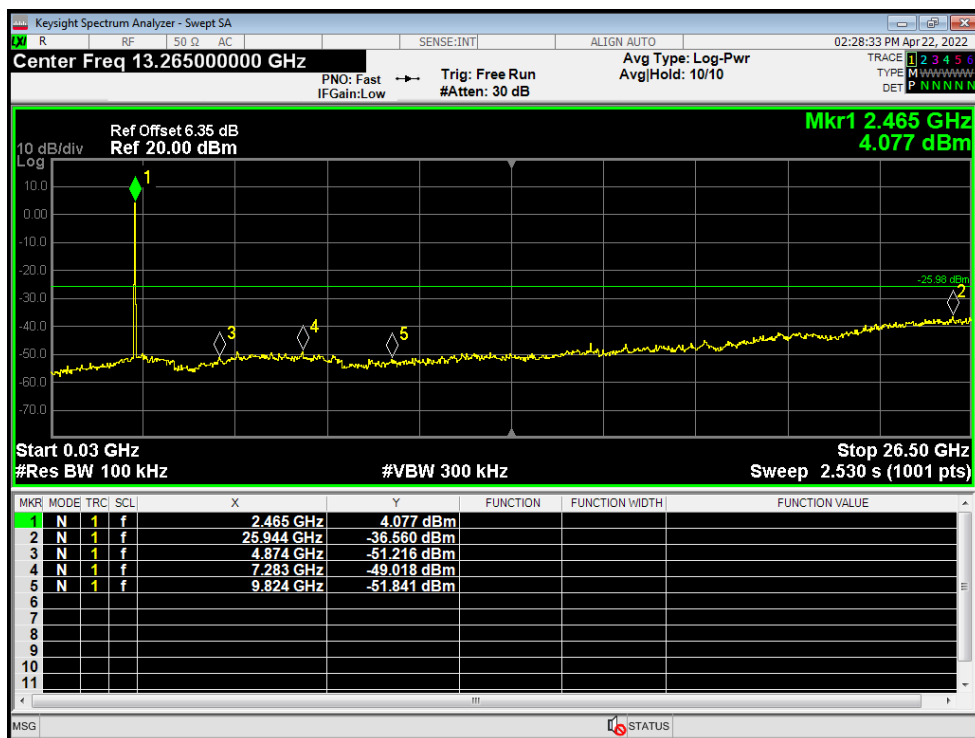
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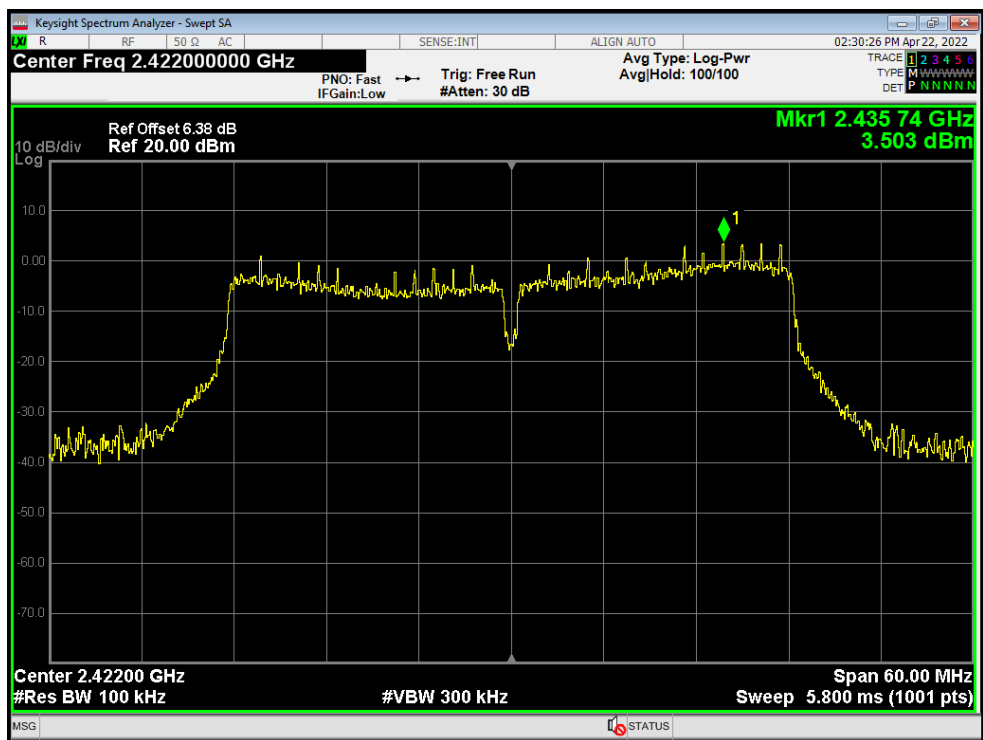
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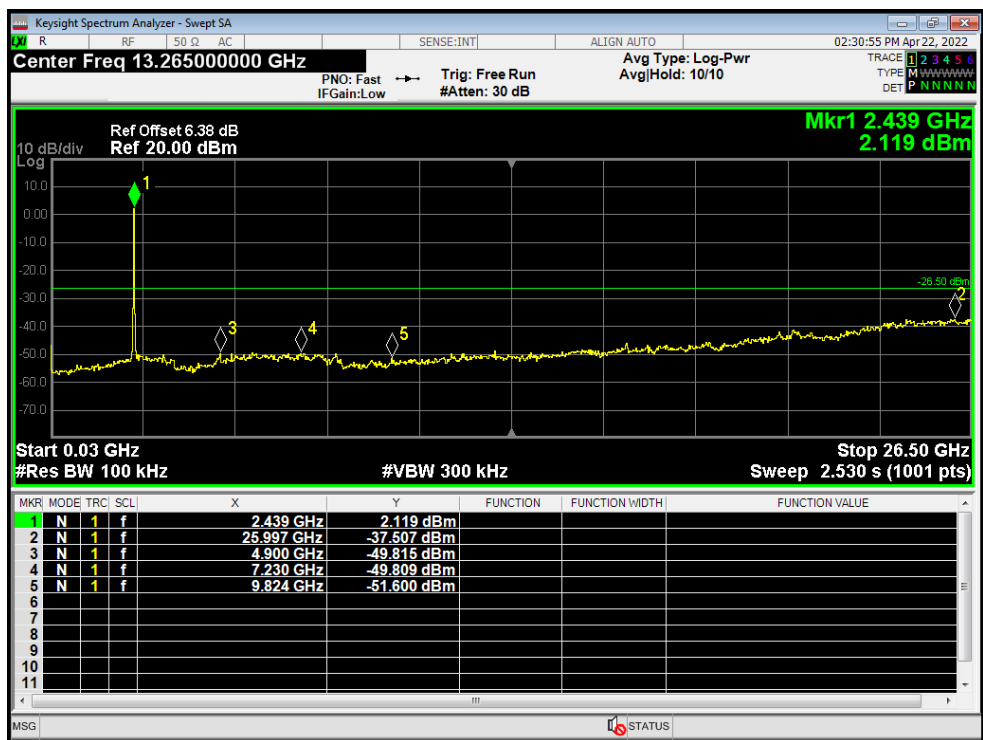
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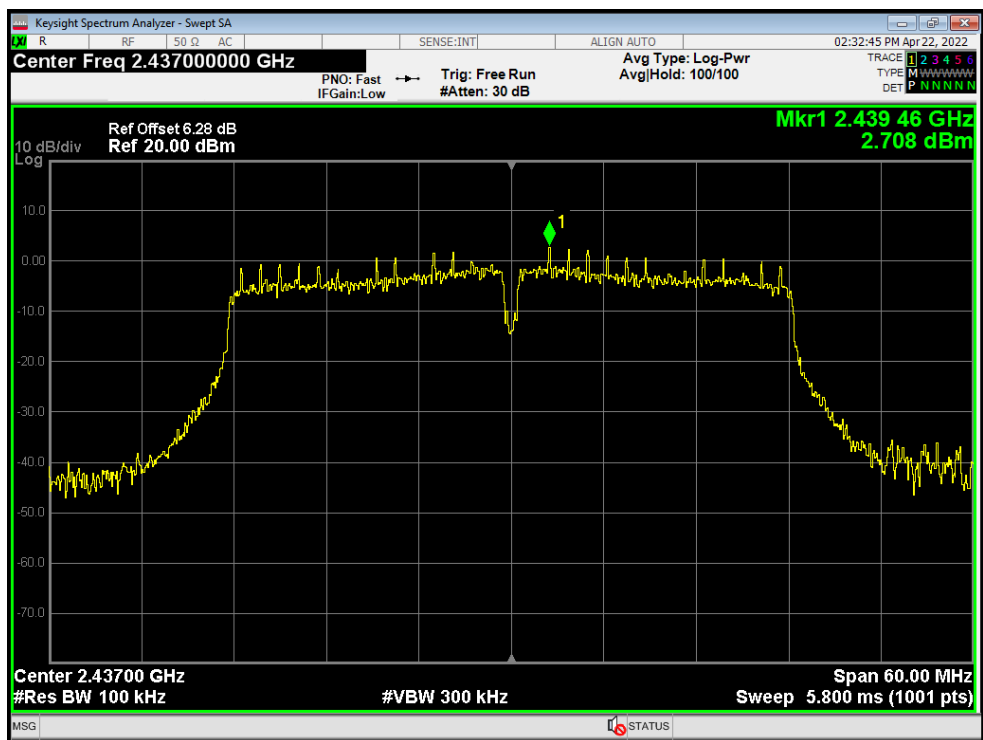
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



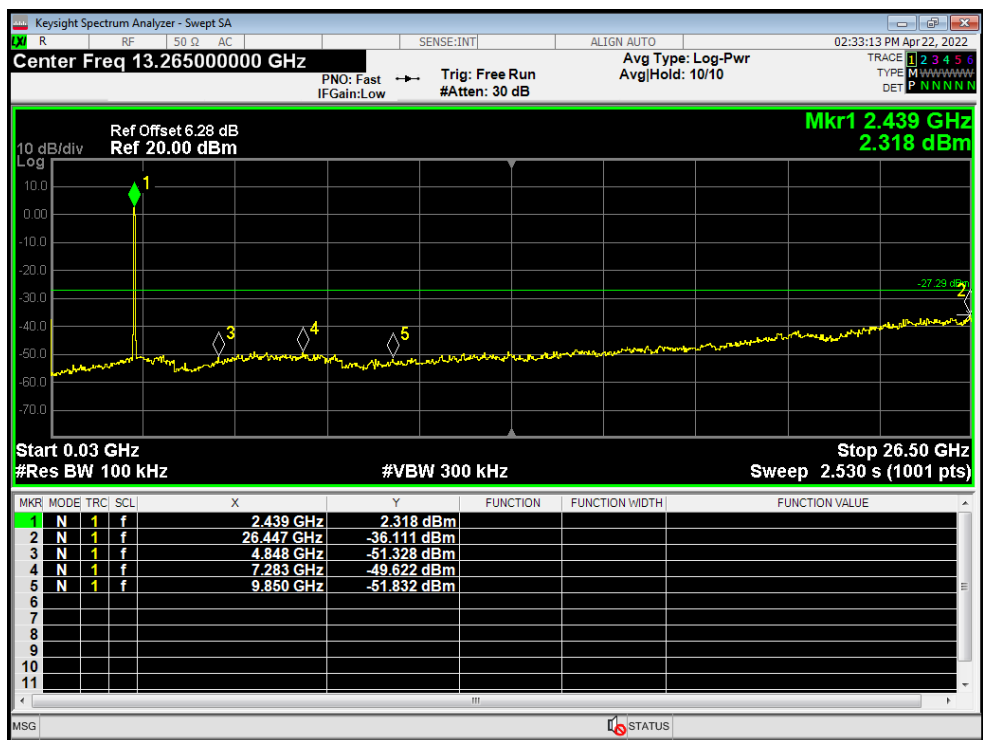
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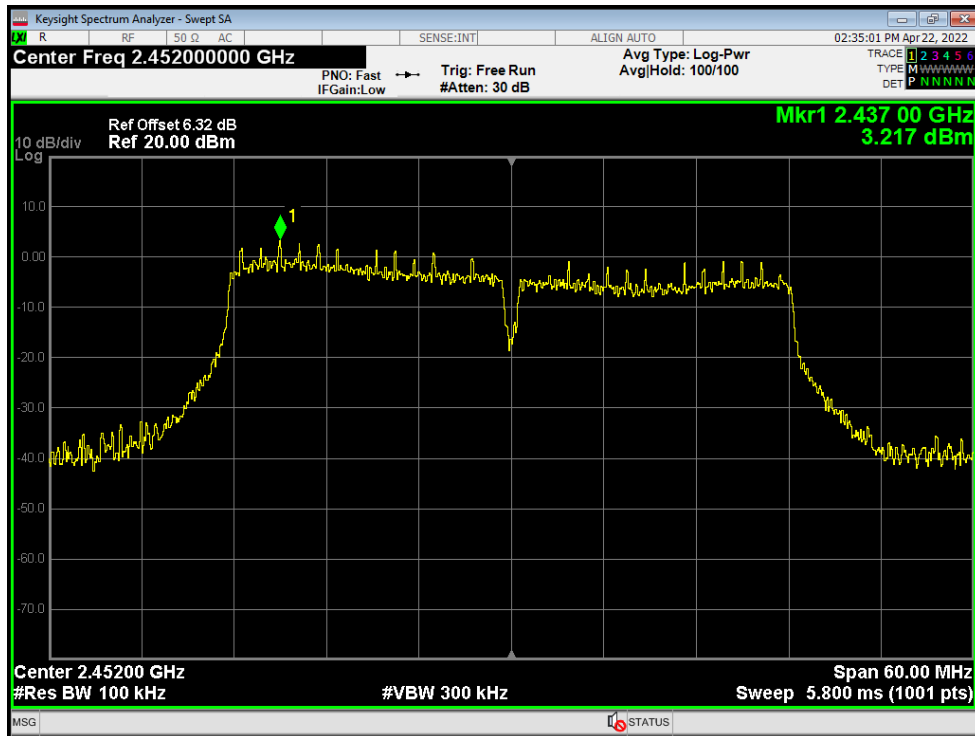
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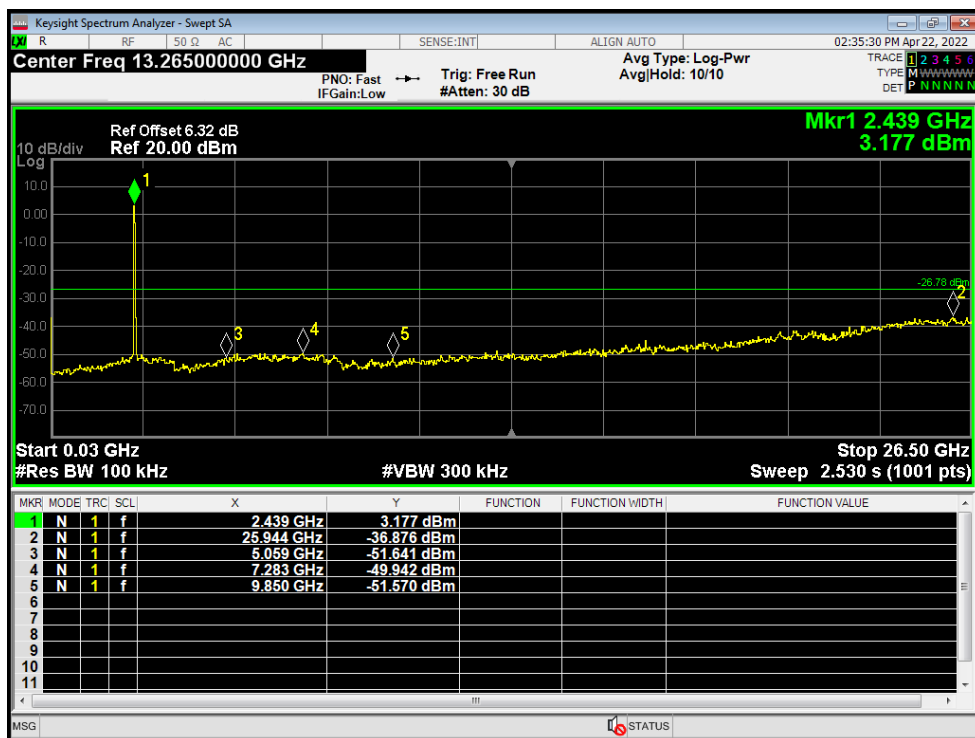
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref

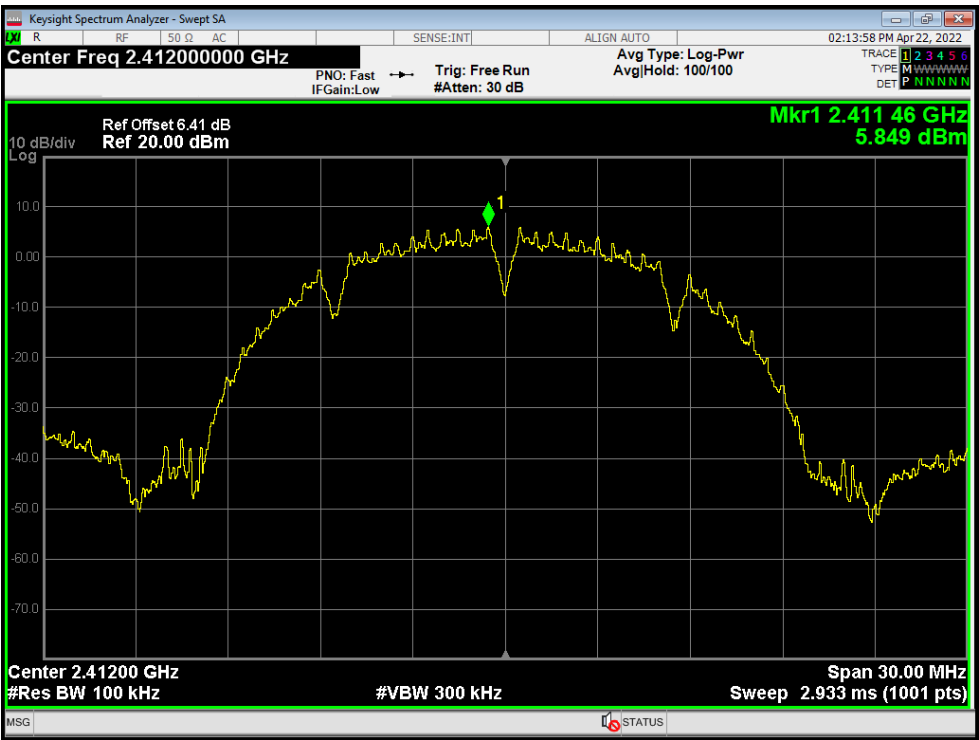


Tx. Spurious NVNT n40 2452MHz Ant1 Emission

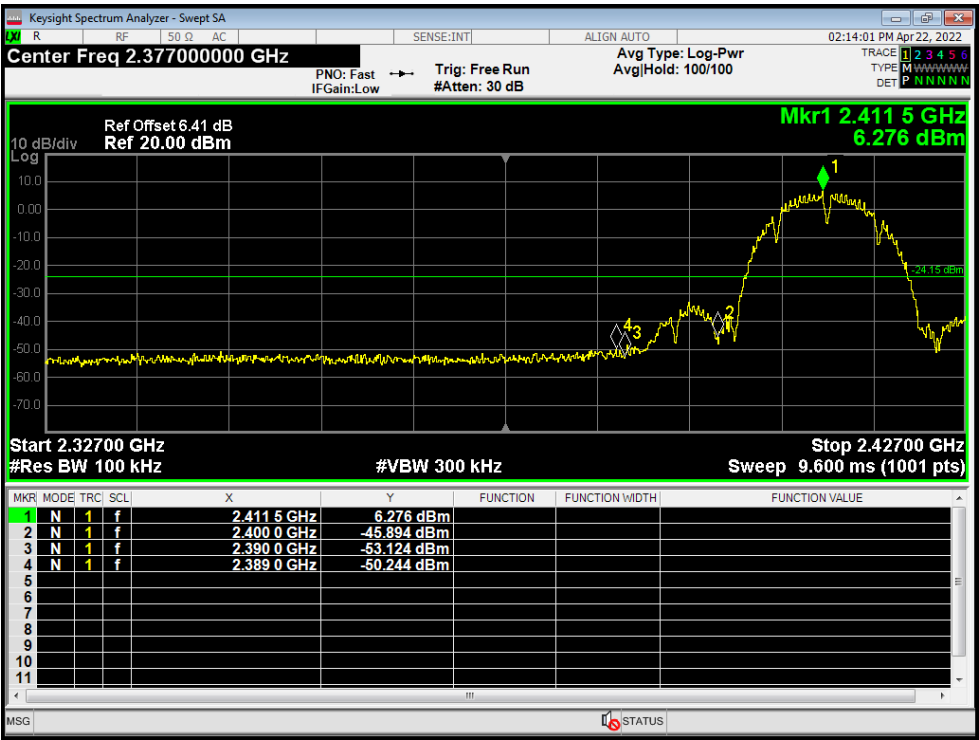


Band Edge

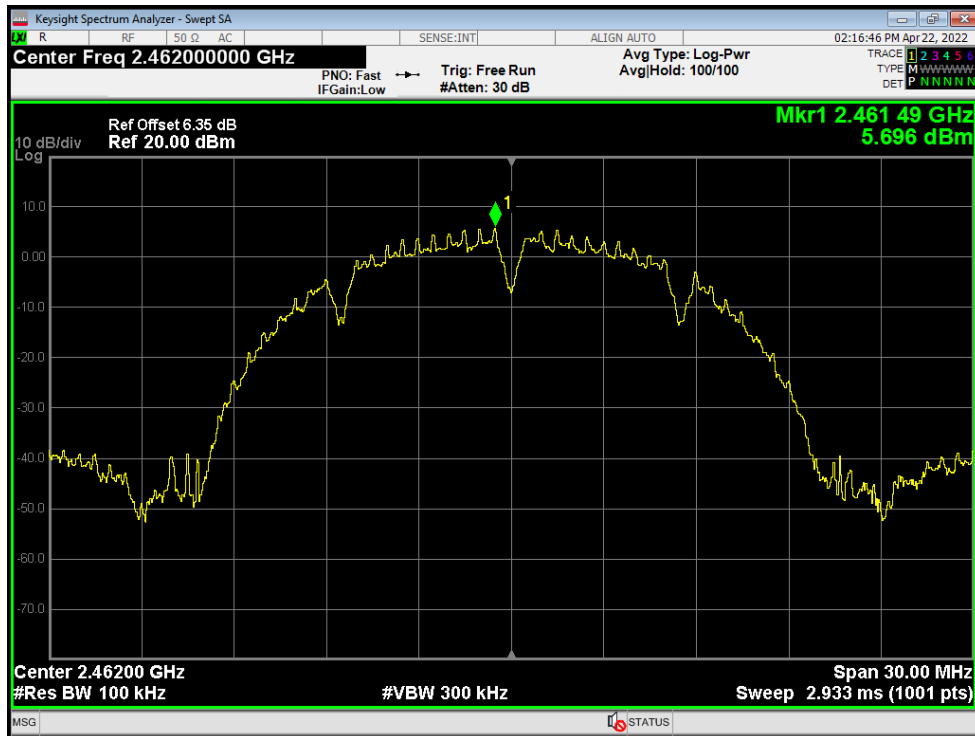
Band Edge NVNT b 2412MHz Ant1 Ref



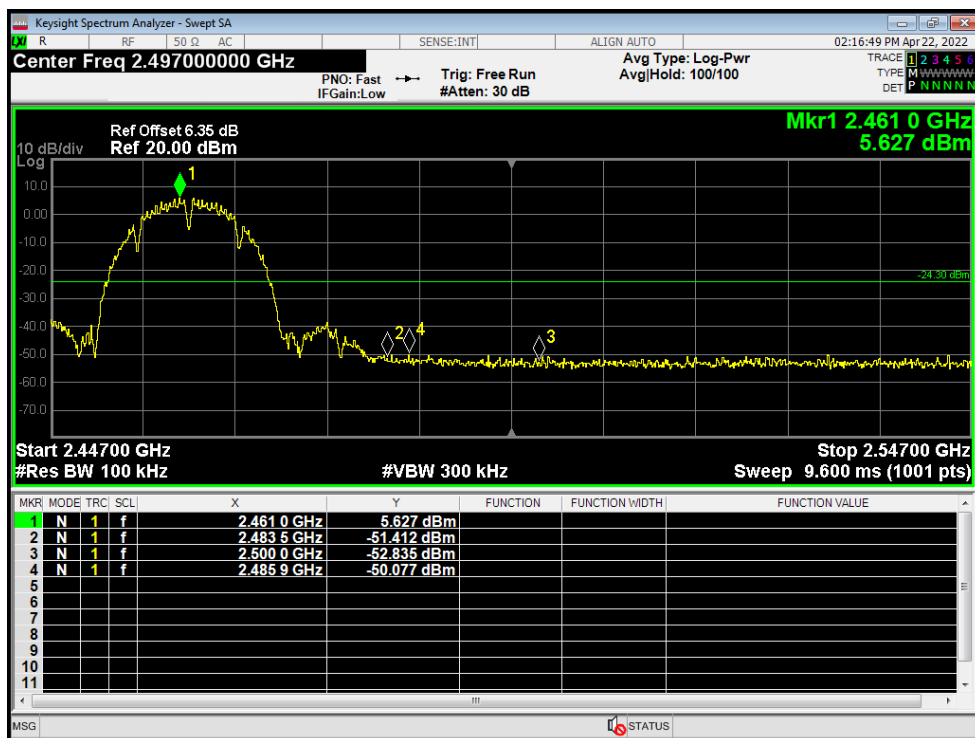
Band Edge NVNT b 2412MHz Ant1 Emission



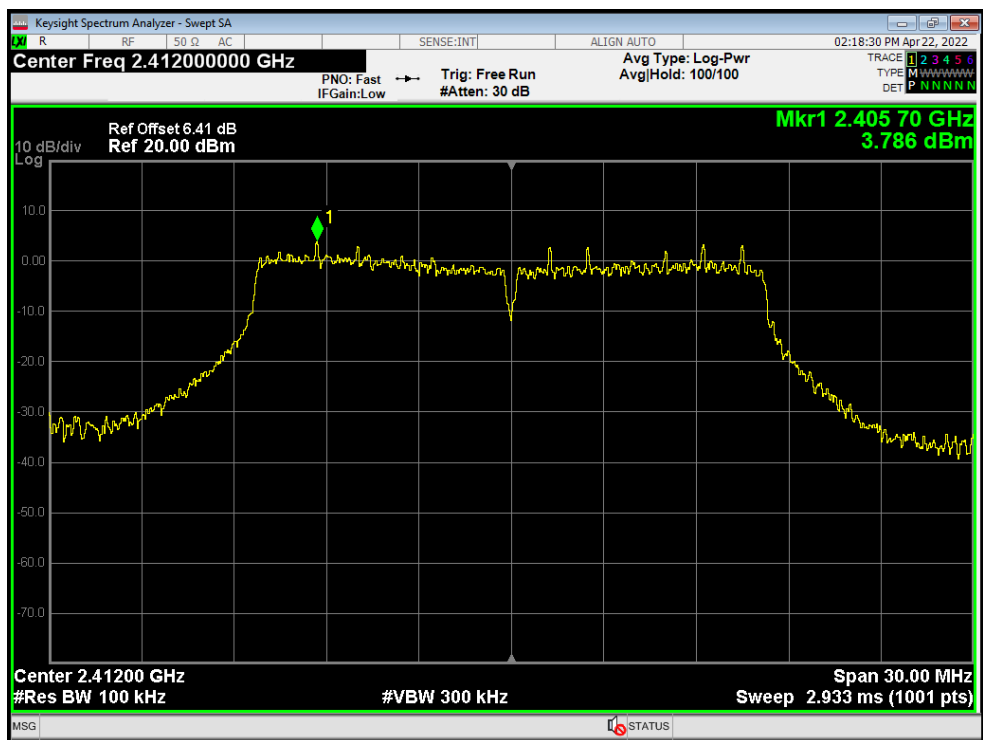
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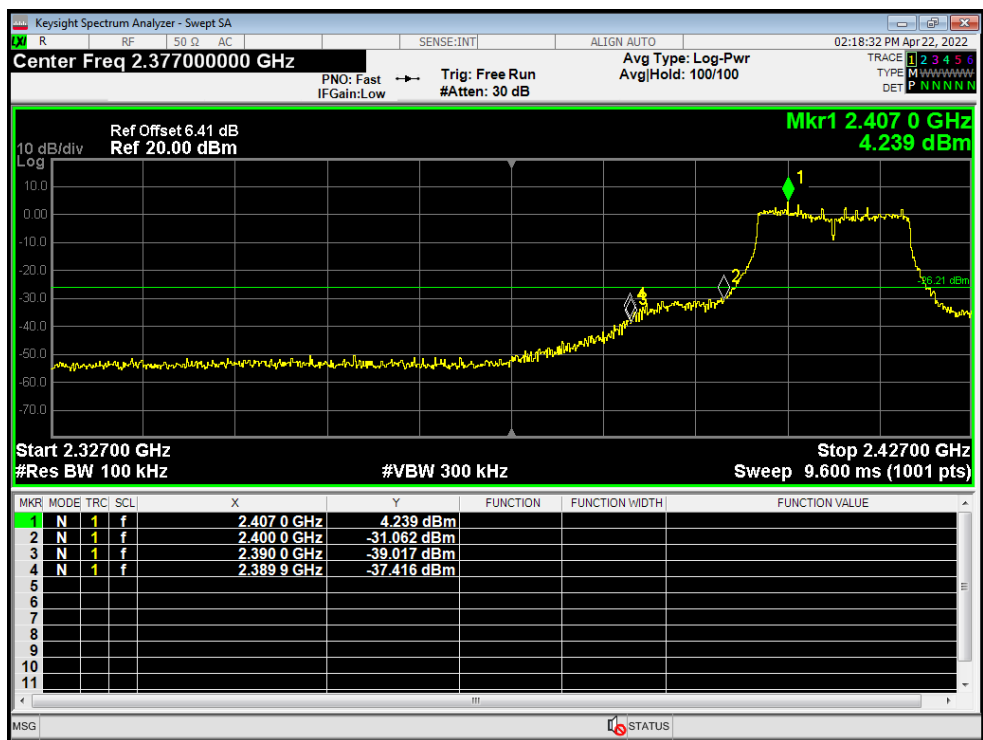
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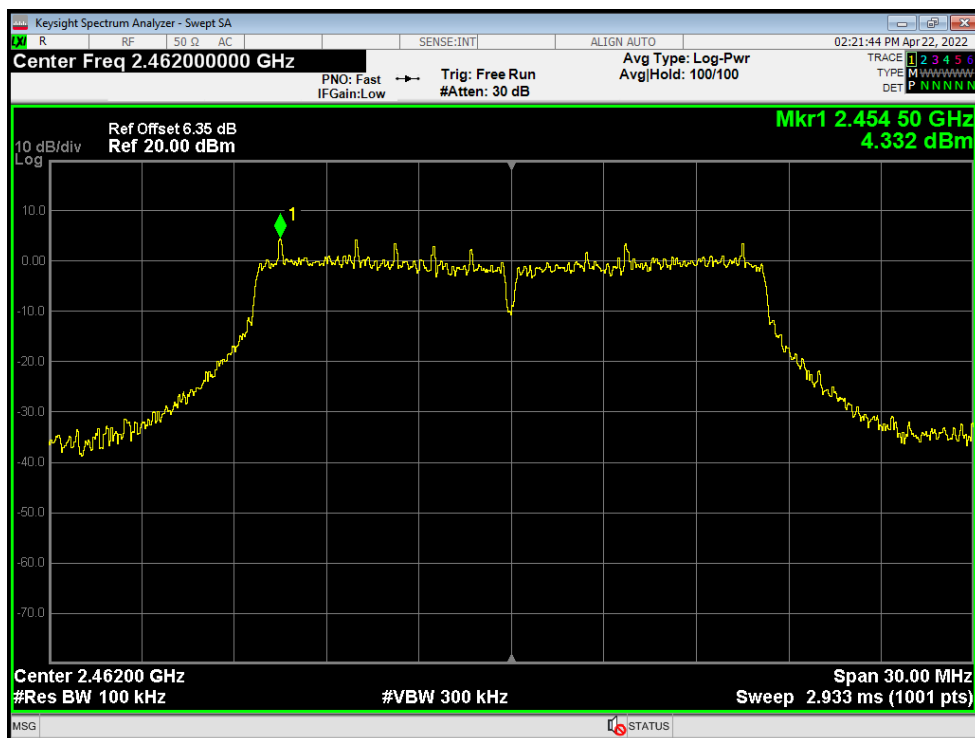
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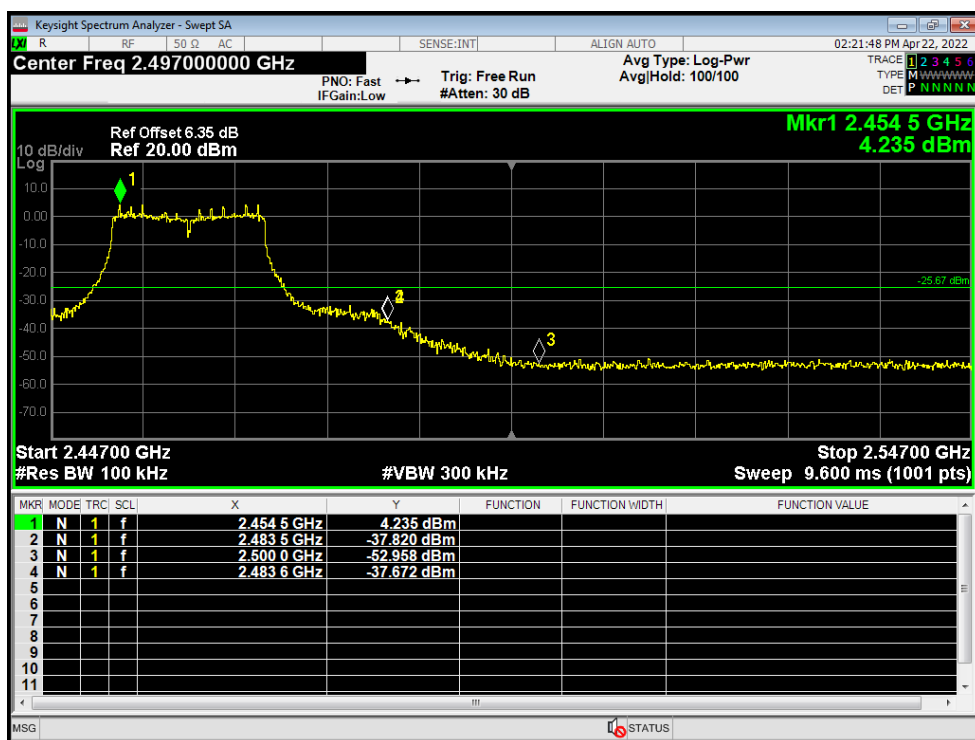
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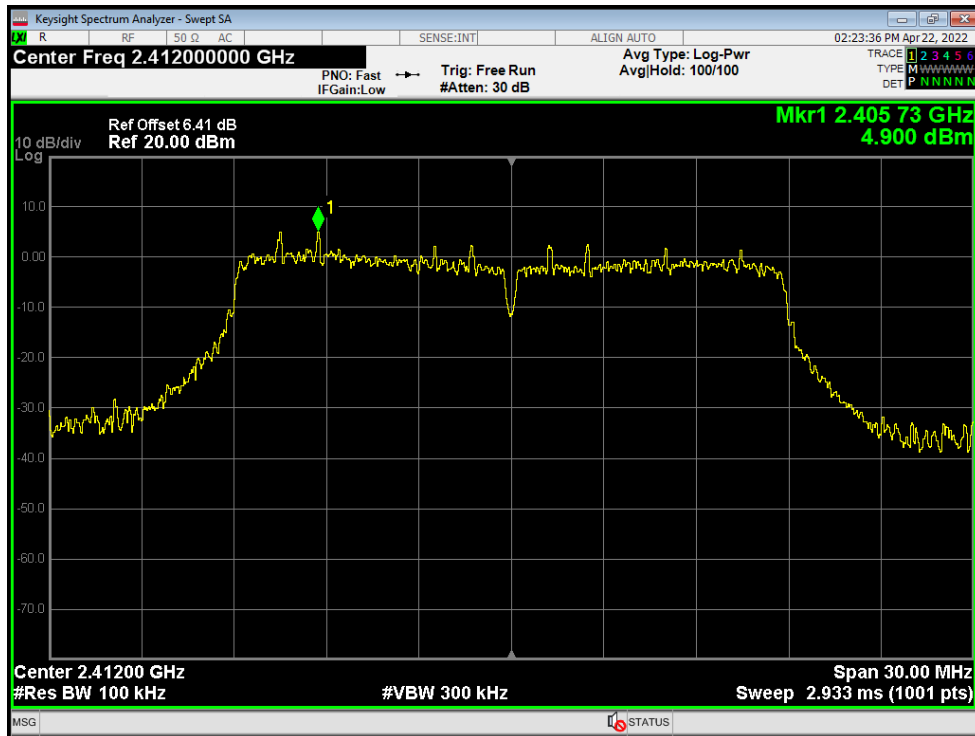
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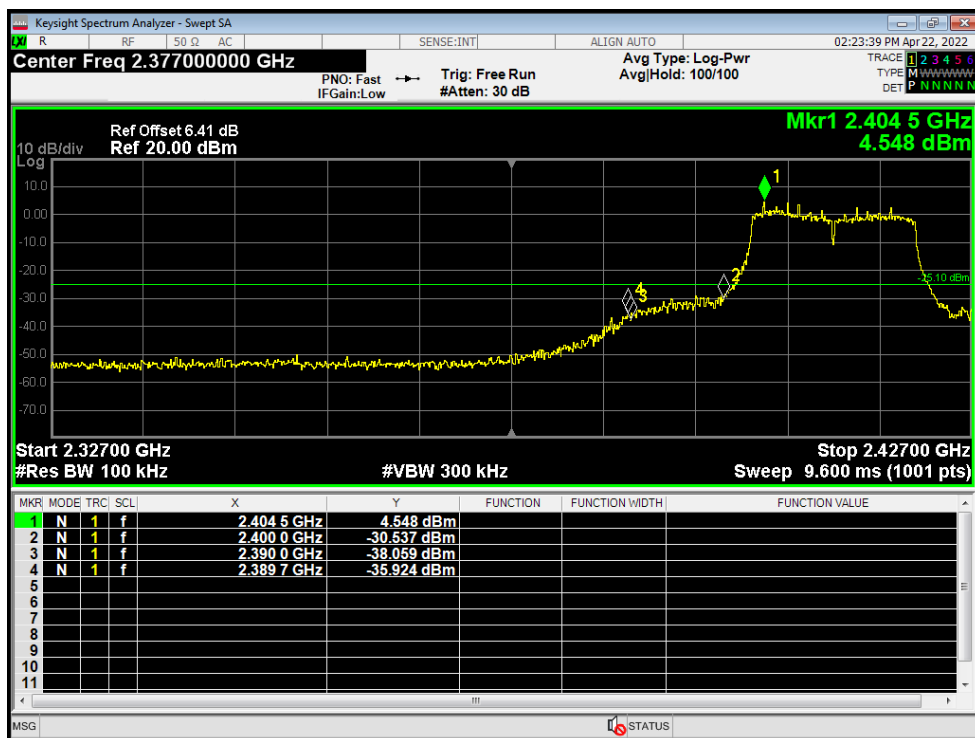
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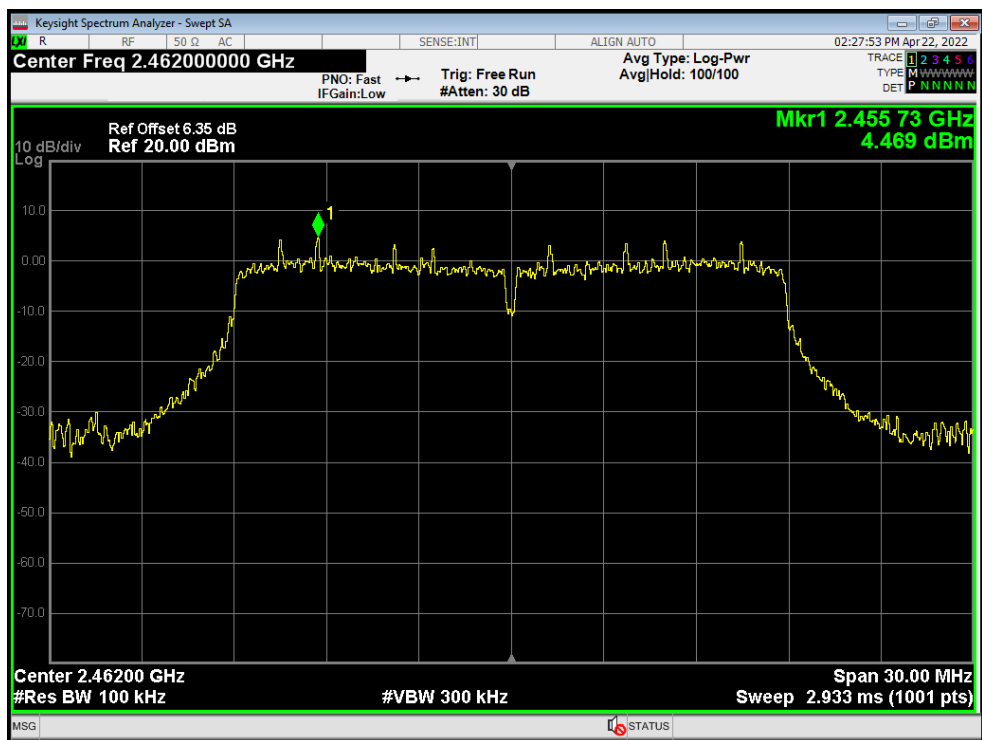
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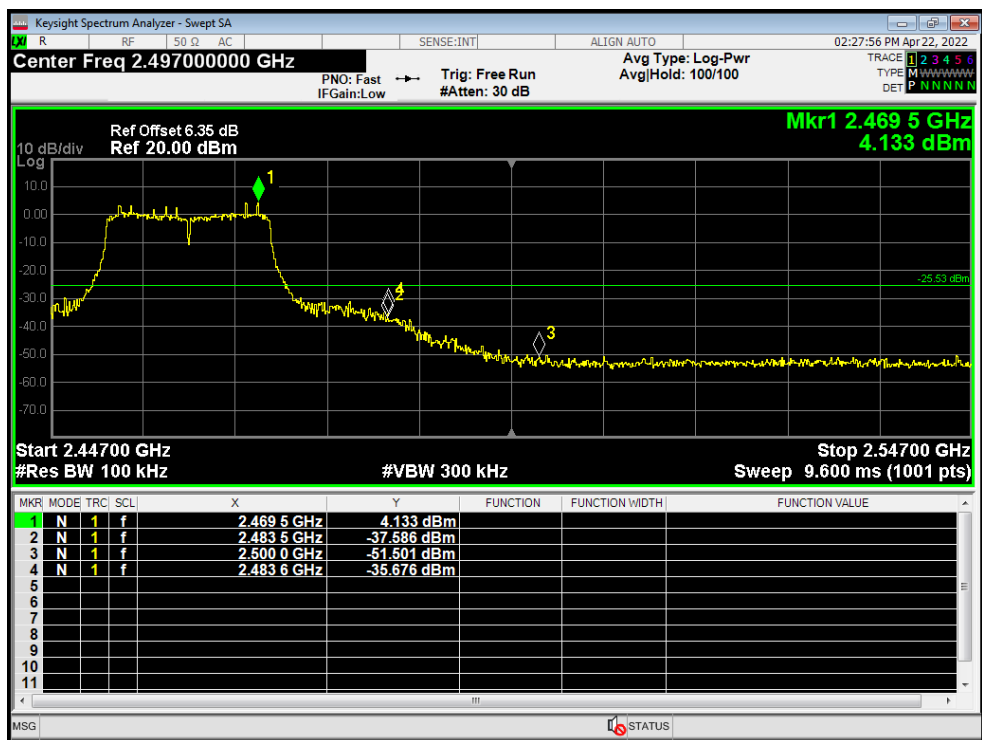
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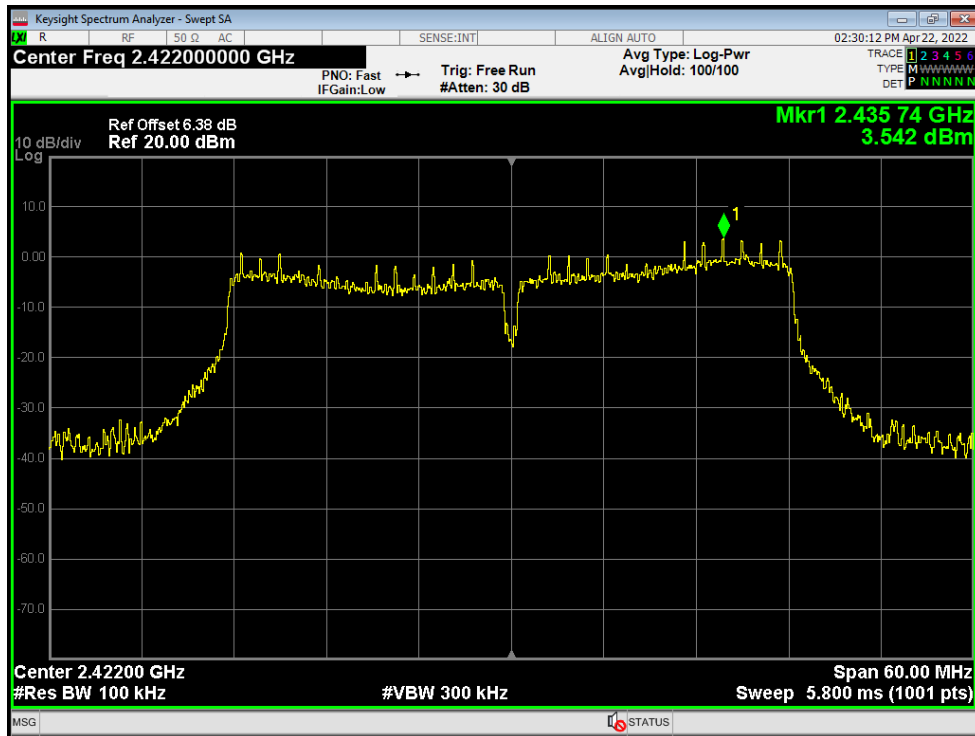
Band Edge NVNT n20 2462MHz Ant1 Ref



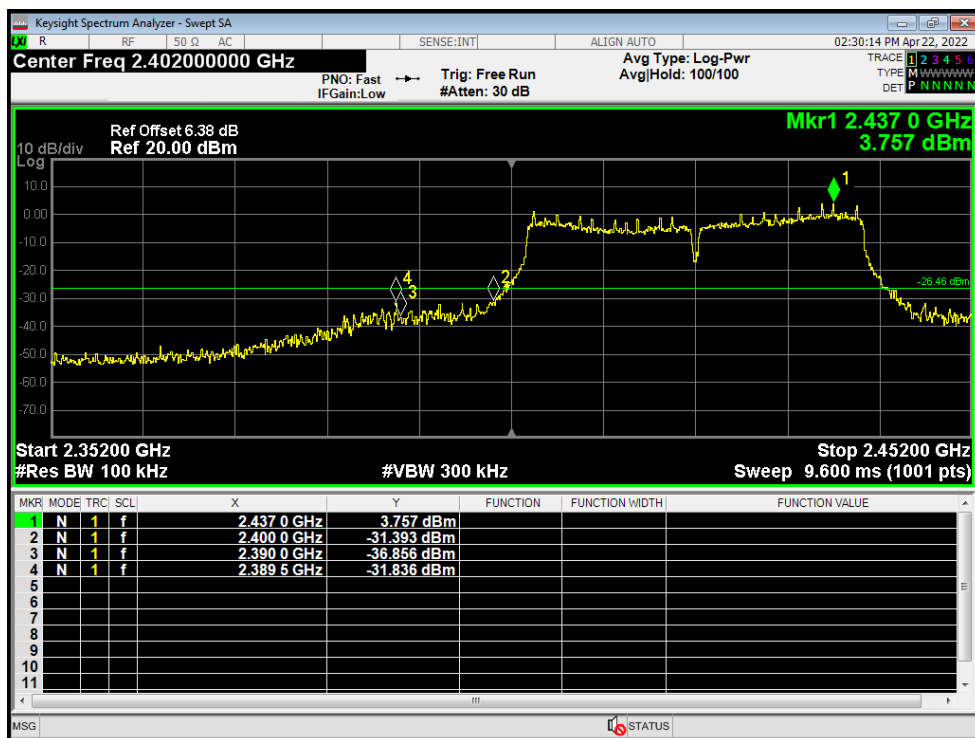
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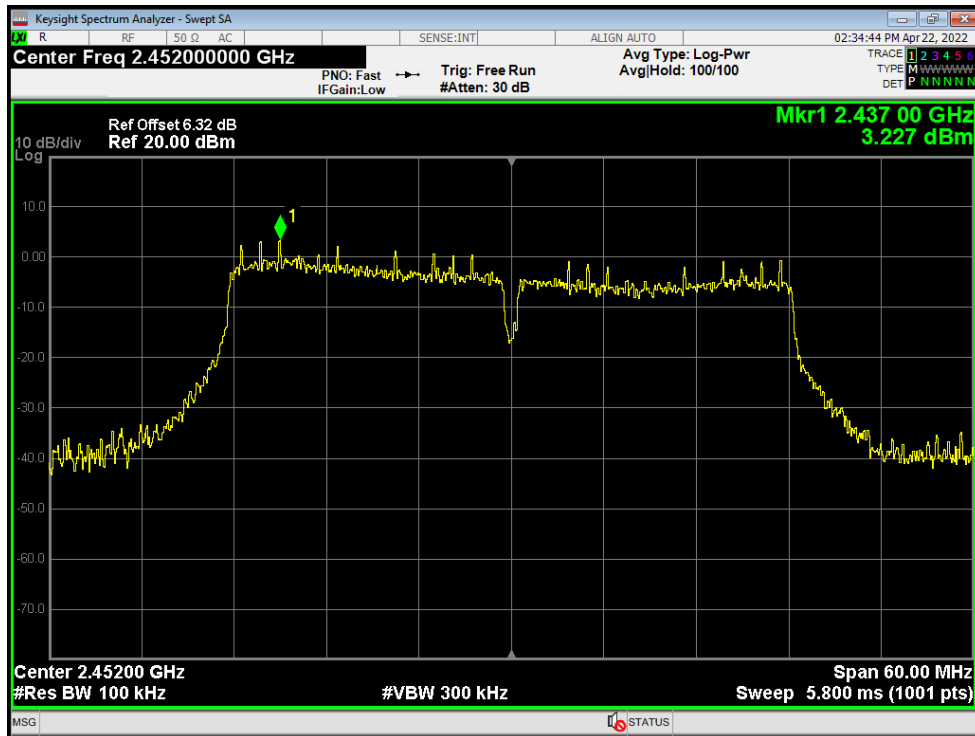
Band Edge NVNT n40 2422MHz Ant1 Ref



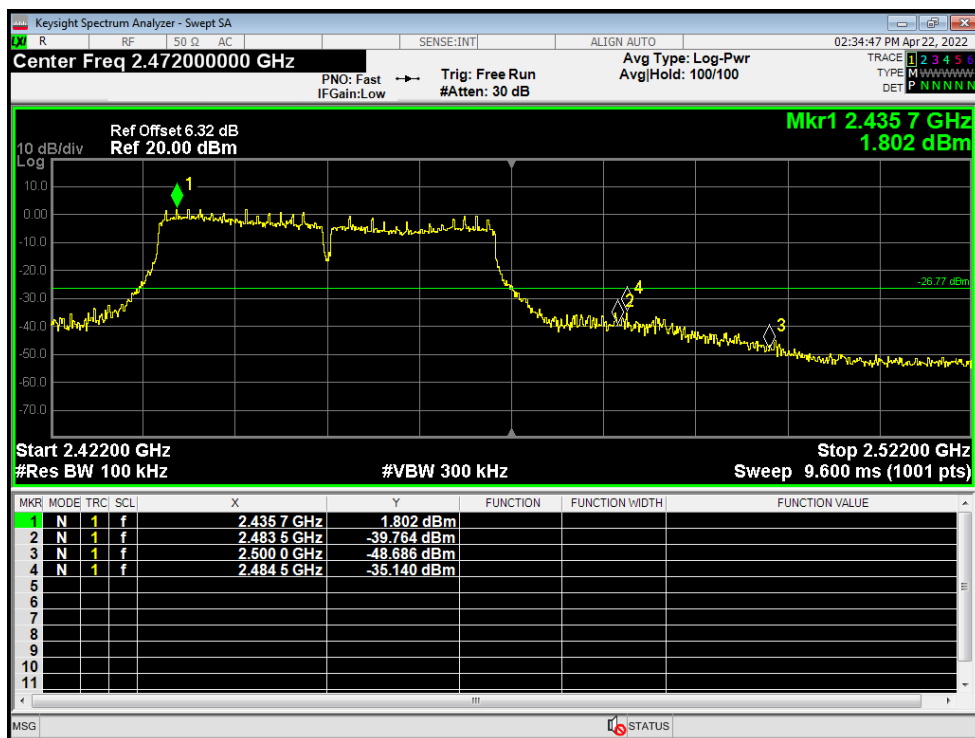
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



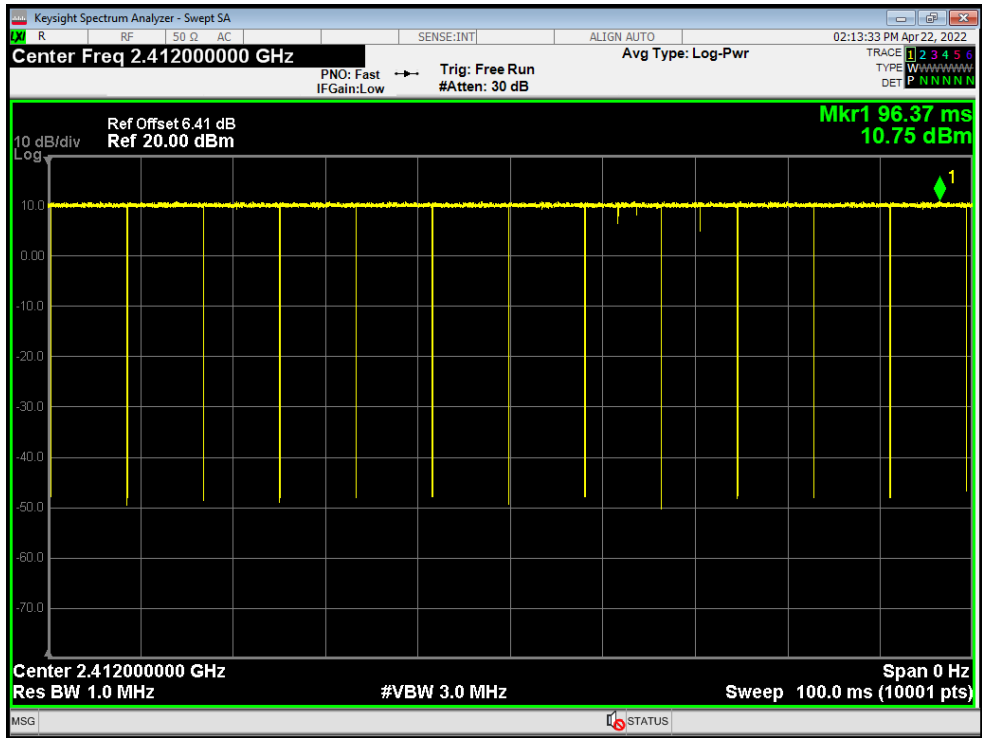
Band Edge NVNT n40 2452MHz Ant1 Emission



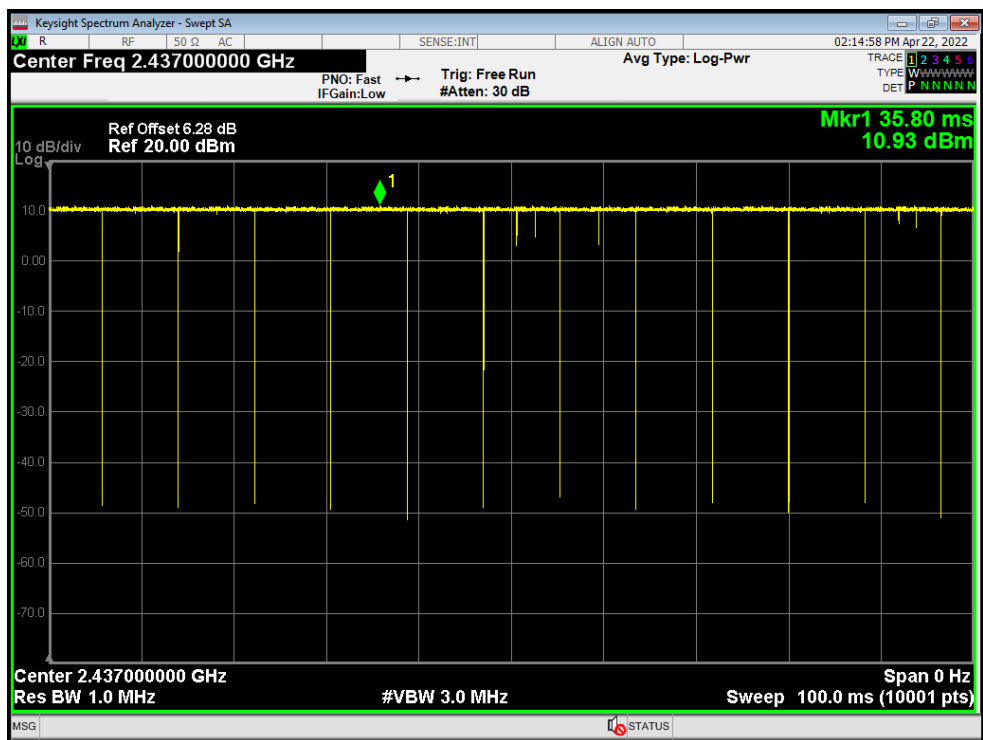
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	99.48	0.02
NVNT	b	2437	Ant1	99.52	0.02
NVNT	b	2462	Ant1	99.52	0.02
NVNT	g	2412	Ant1	97.12	0.13
NVNT	g	2437	Ant1	97.08	0.13
NVNT	g	2462	Ant1	97.08	0.13
NVNT	n20	2412	Ant1	96.96	0.13
NVNT	n20	2437	Ant1	96.96	0.13
NVNT	n20	2462	Ant1	96.87	0.14
NVNT	n40	2422	Ant1	93.5	0.29
NVNT	n40	2437	Ant1	94.16	0.26
NVNT	n40	2452	Ant1	94.15	0.26

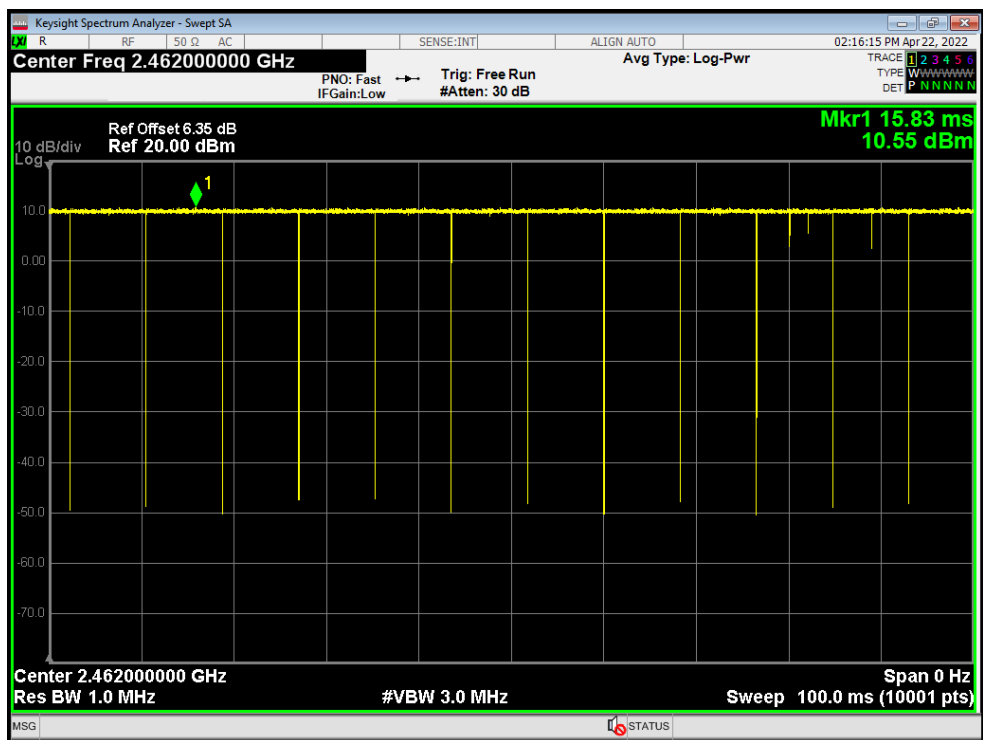
Duty Cycle NVNT b 2412MHz Ant1



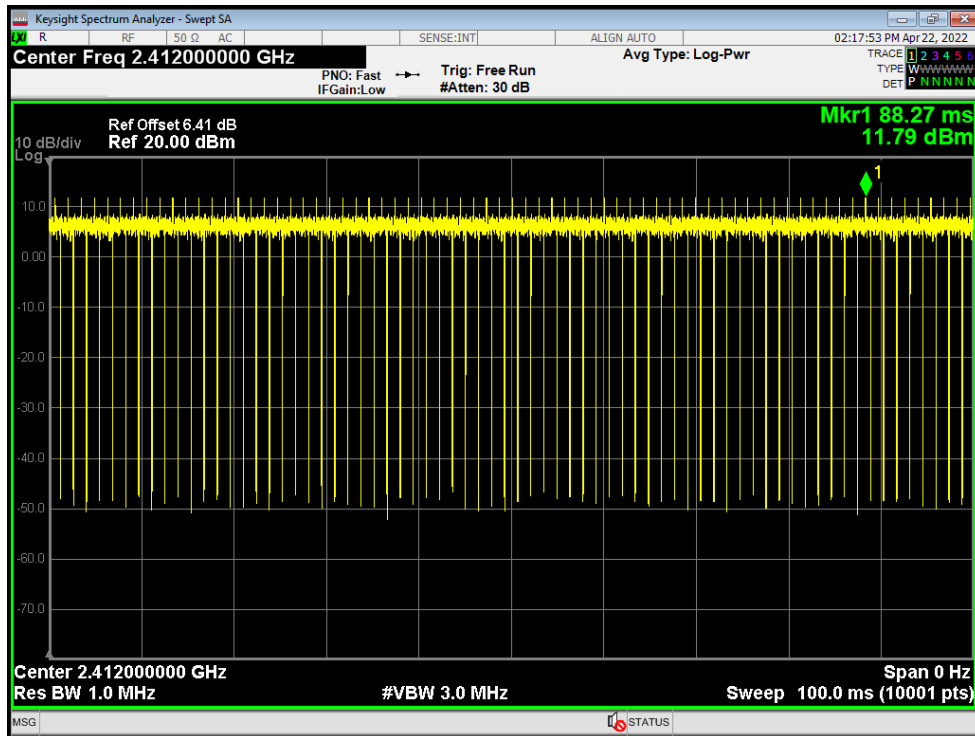
Duty Cycle NVNT b 2437MHz Ant1



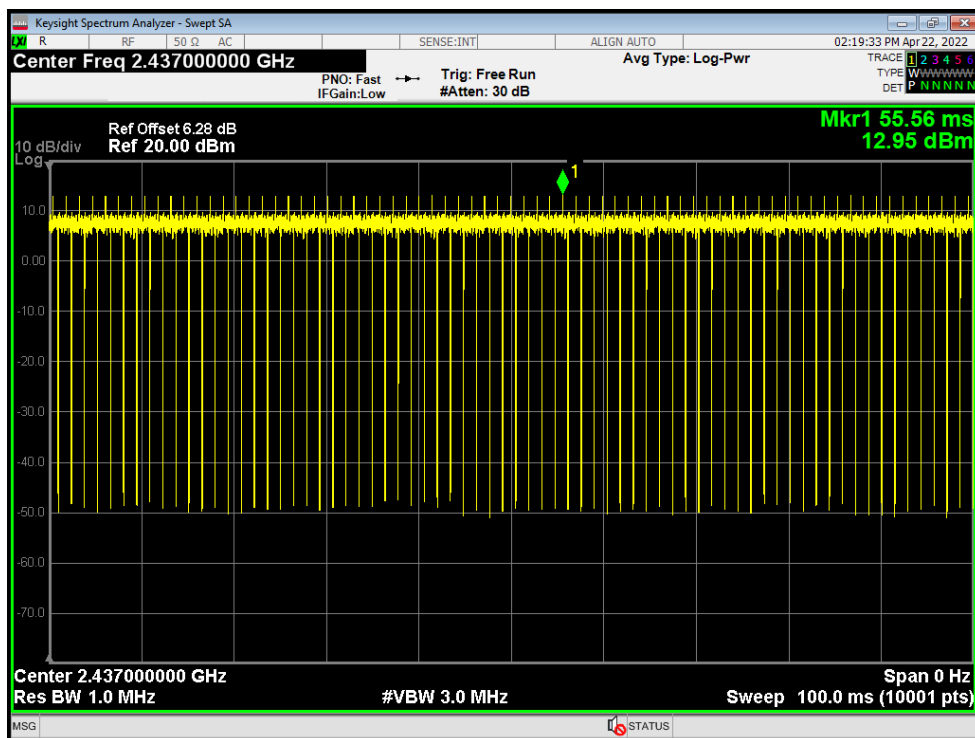
Duty Cycle NVNT b 2462MHz Ant1



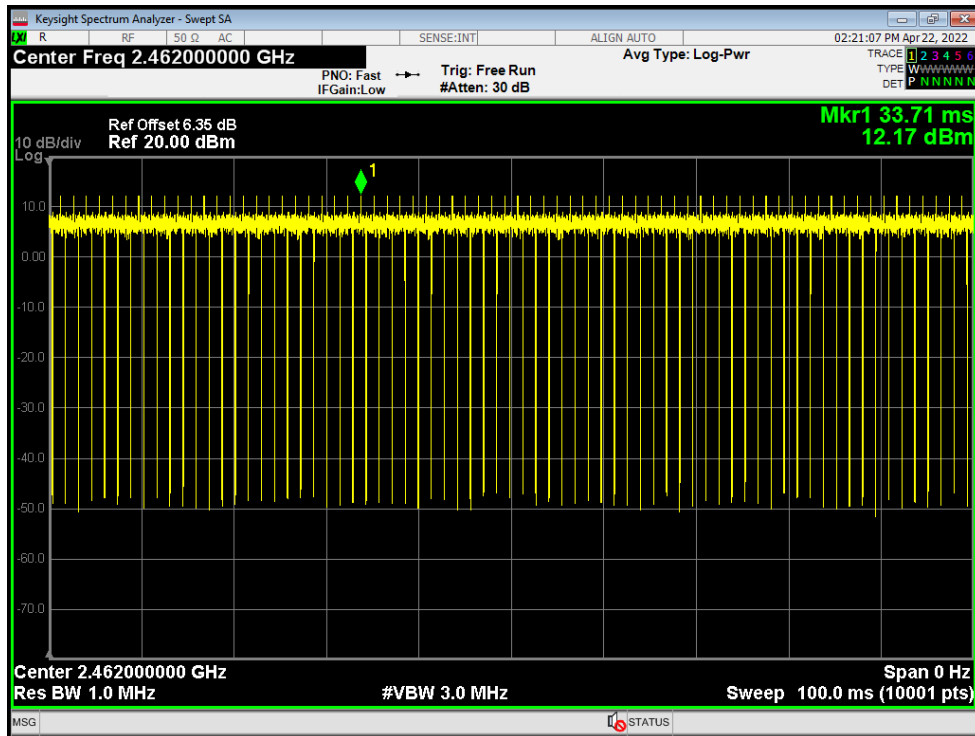
Duty Cycle NVNT g 2412MHz Ant1



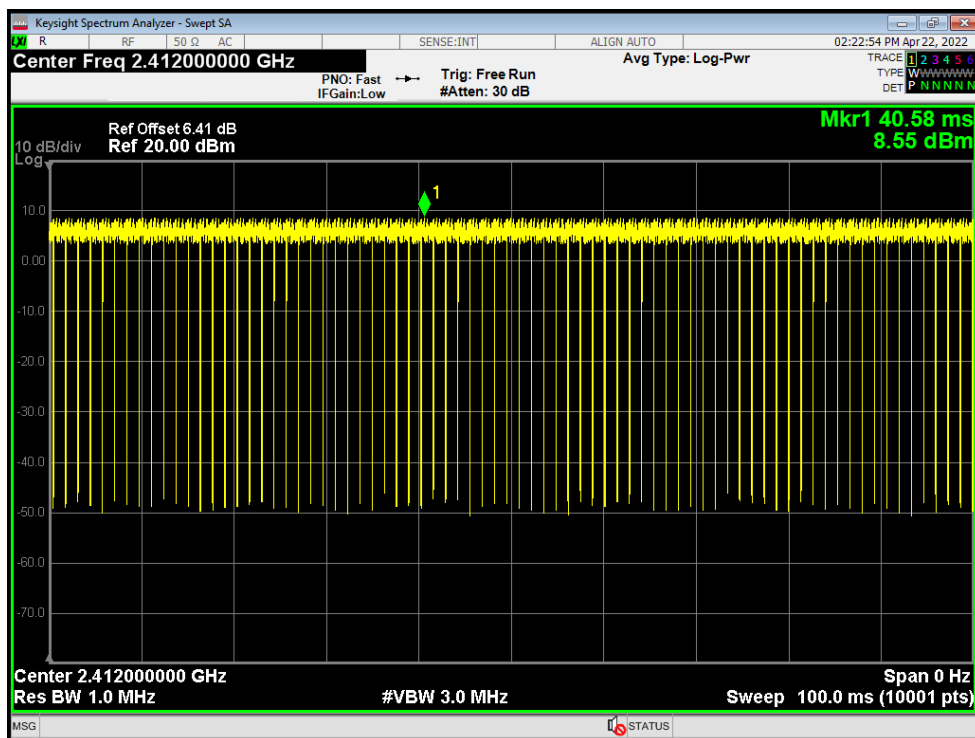
Duty Cycle NVNT g 2437MHz Ant1



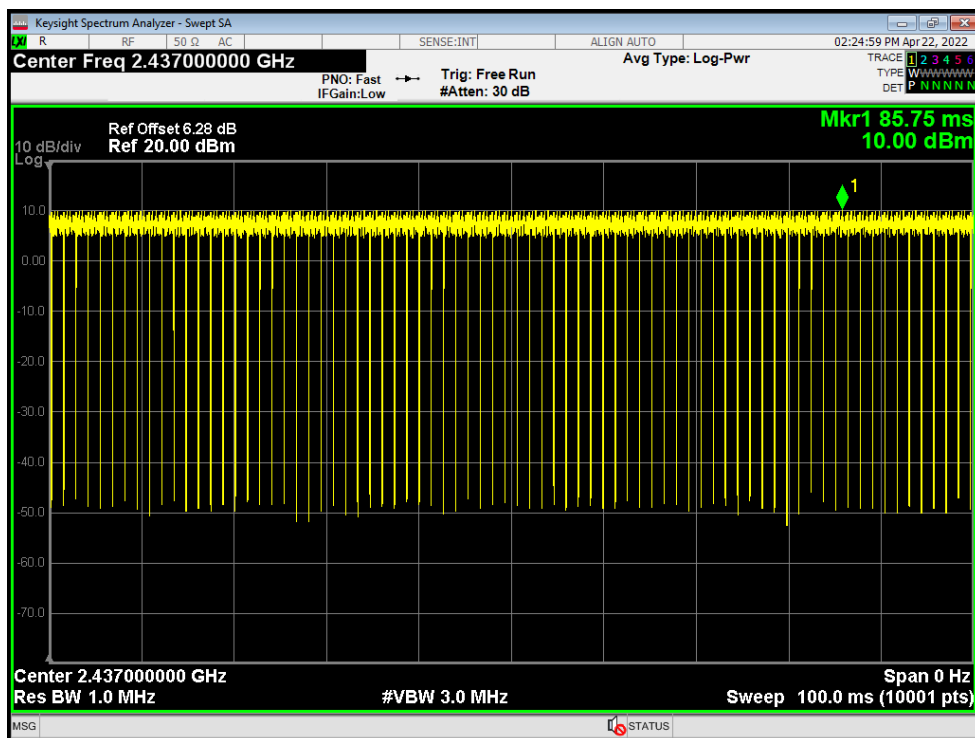
Duty Cycle NVNT g 2462MHz Ant1



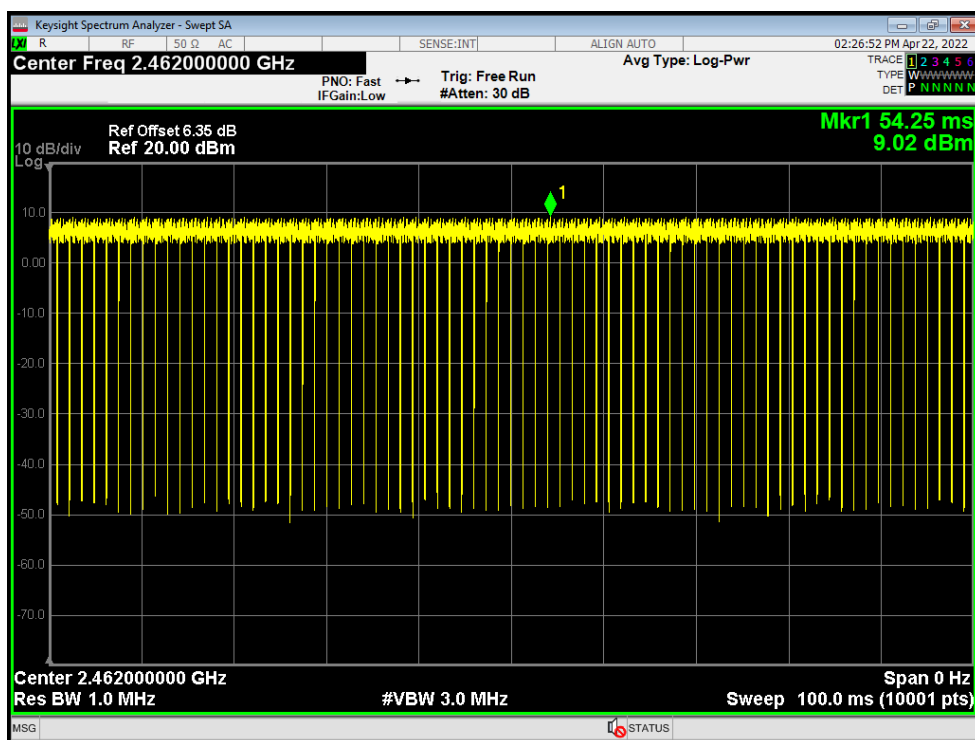
Duty Cycle NVNT n20 2412MHz Ant1



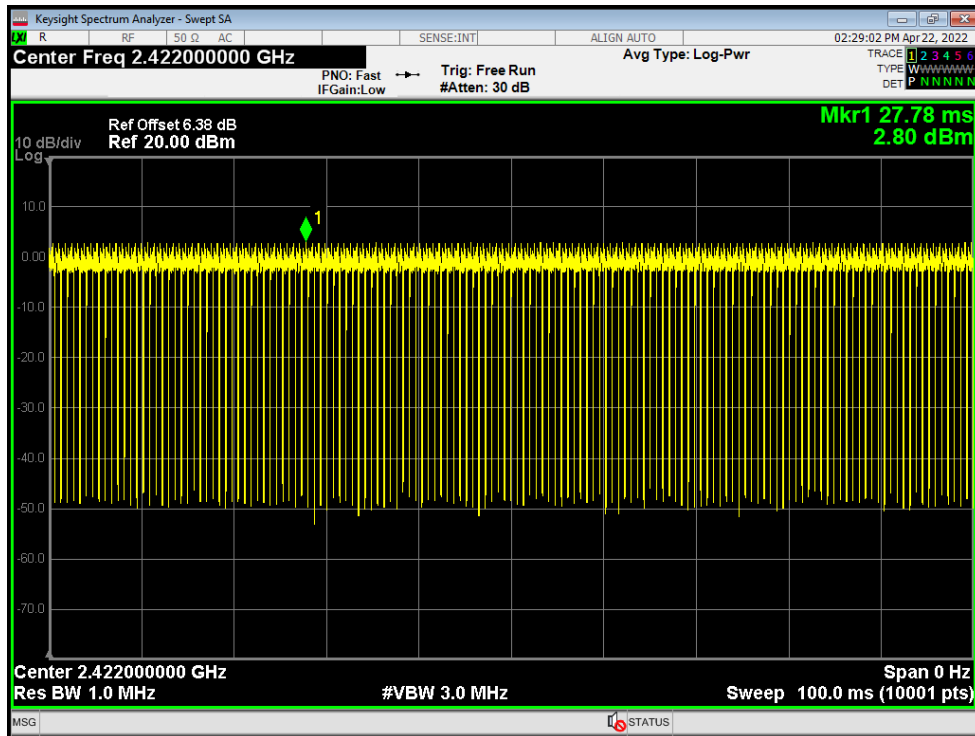
Duty Cycle NVNT n20 2437MHz Ant1



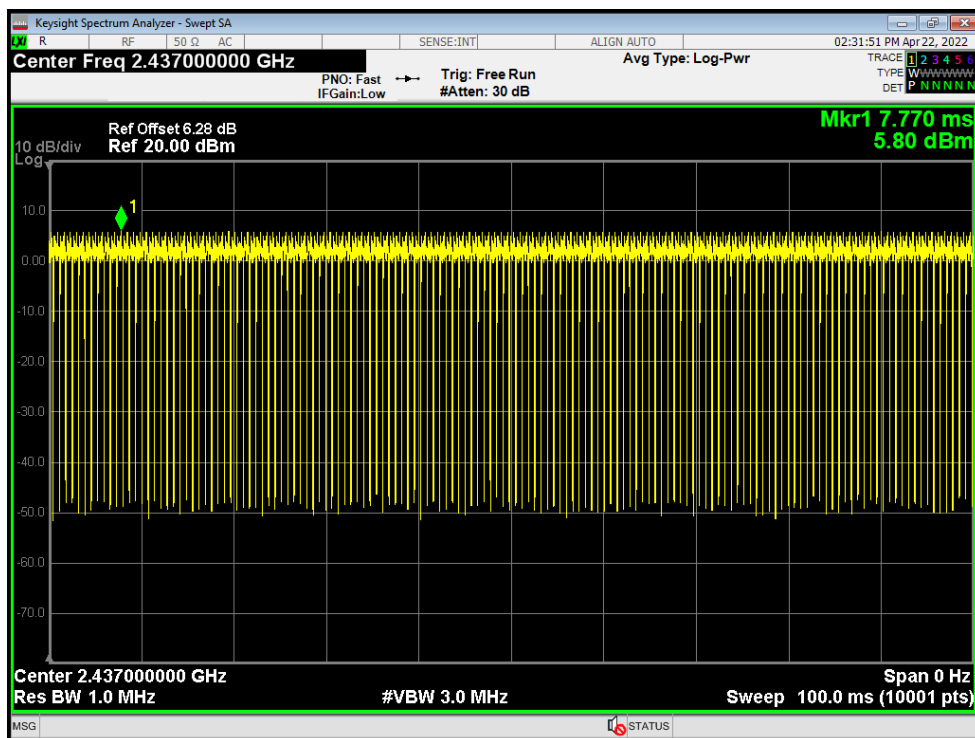
Duty Cycle NVNT n20 2462MHz Ant1



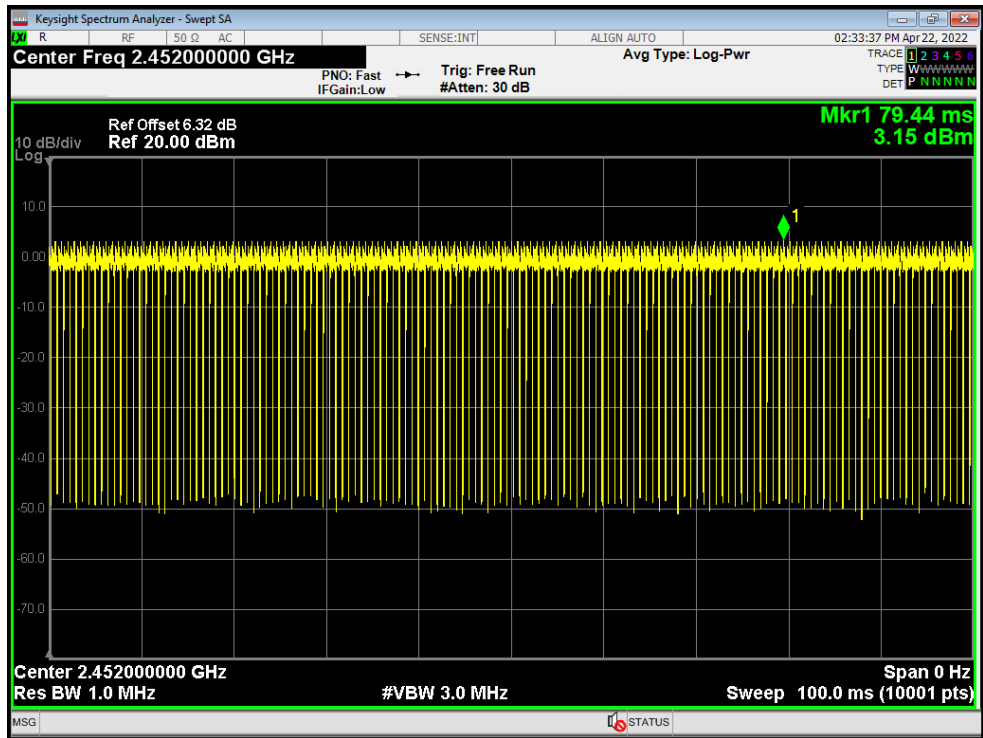
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



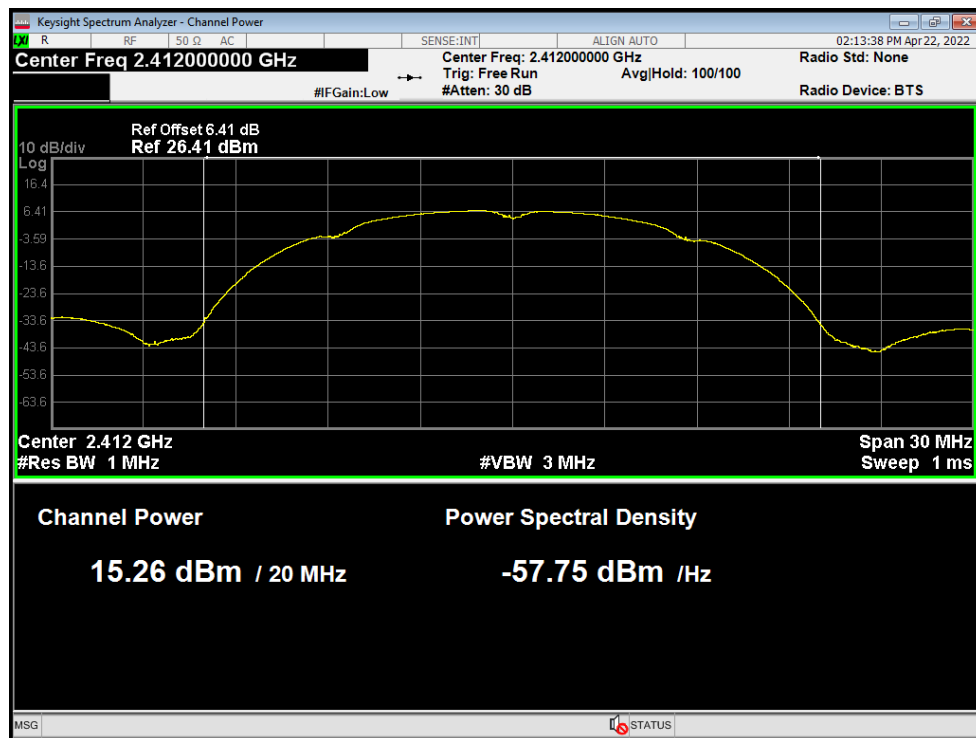
Duty Cycle NVNT n40 2452MHz Ant1



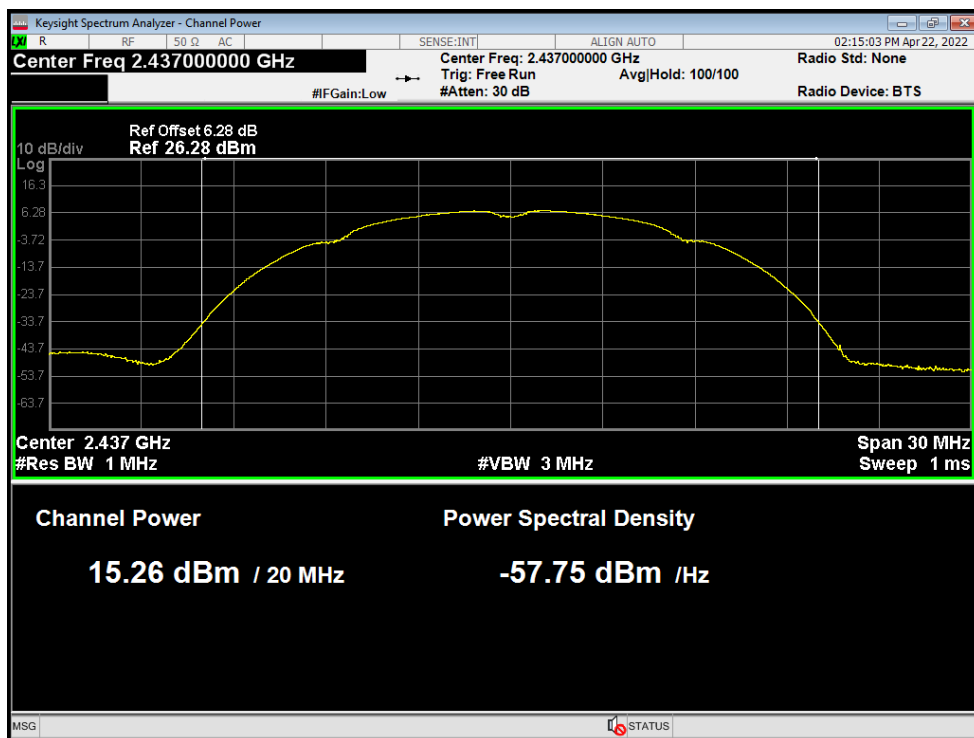
Maximum Conducted Output Power

Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	15.262	0.02	15.282	30	Pass
b	2437	Ant1	15.257	0.02	15.277	30	Pass
b	2462	Ant1	15.024	0.02	15.044	30	Pass
g	2412	Ant1	14.965	0.13	15.095	30	Pass
g	2437	Ant1	15.307	0.13	15.437	30	Pass
g	2462	Ant1	15.159	0.13	15.289	30	Pass
n20	2412	Ant1	14.819	0.13	14.949	30	Pass
n20	2437	Ant1	15.21	0.13	15.34	30	Pass
n20	2462	Ant1	15.07	0.14	15.21	30	Pass
n40	2422	Ant1	15.198	0.29	15.488	30	Pass
n40	2437	Ant1	15.186	0.26	15.446	30	Pass
n40	2452	Ant1	14.884	0.26	15.144	30	Pass

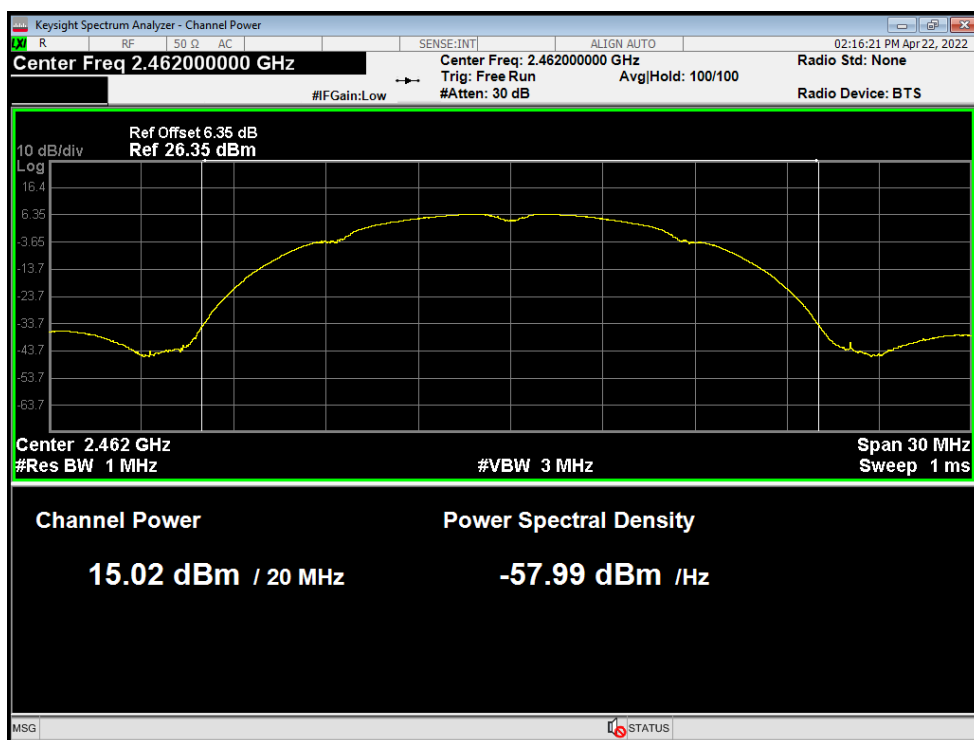
Power NVNT b 2412MHz Ant1



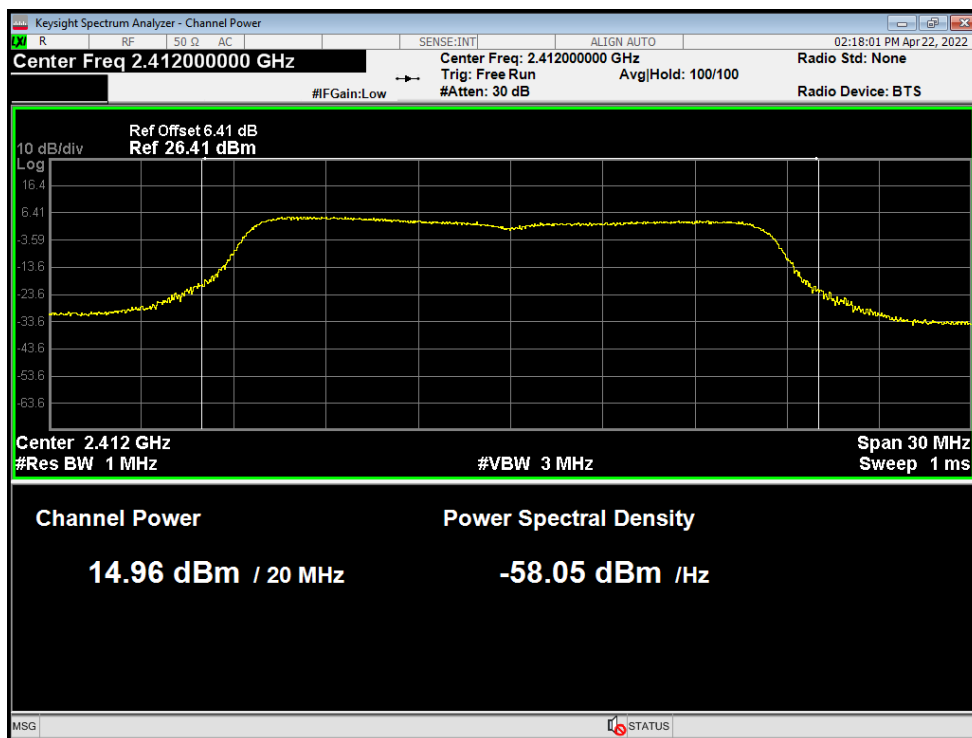
Power NVNT b 2437MHz Ant1



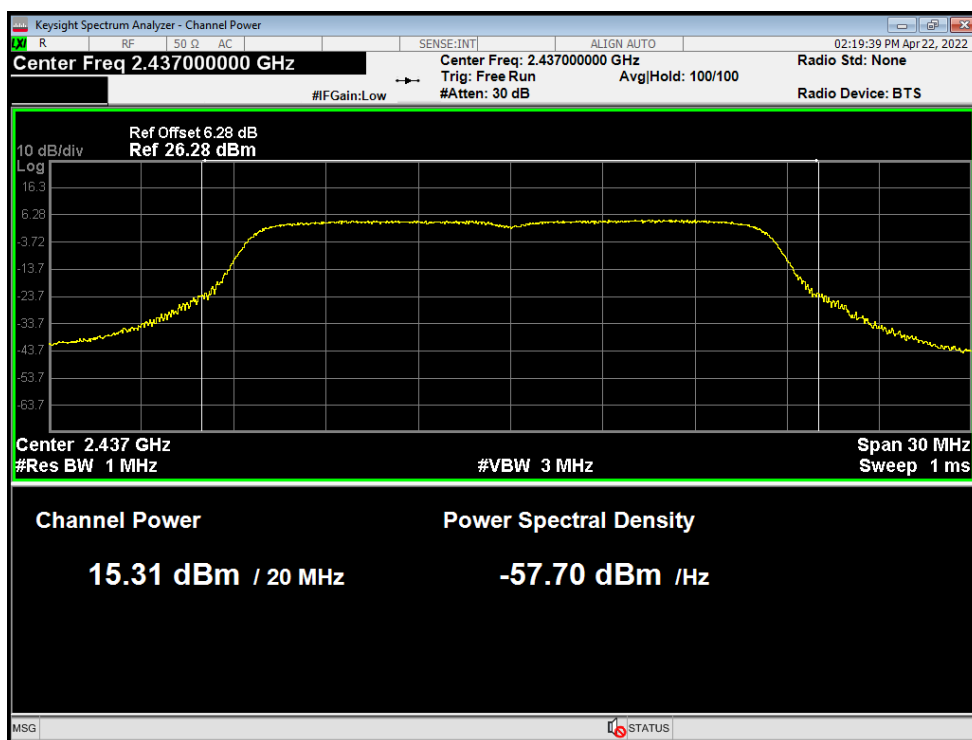
Power NVNT b 2462MHz Ant1



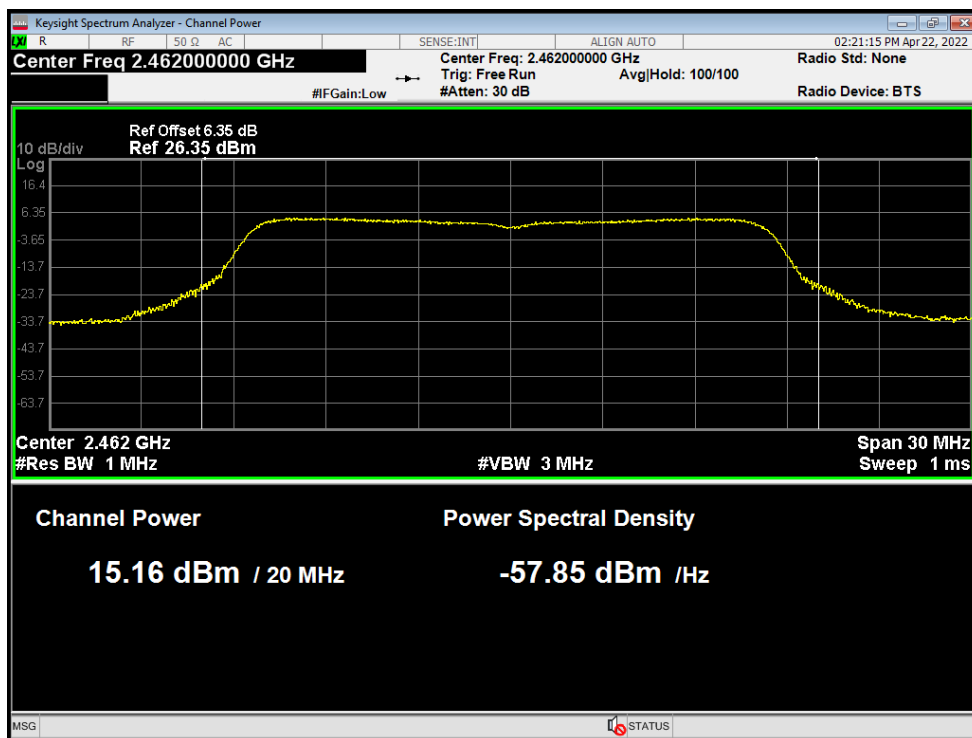
Power NVNT g 2412MHz Ant1



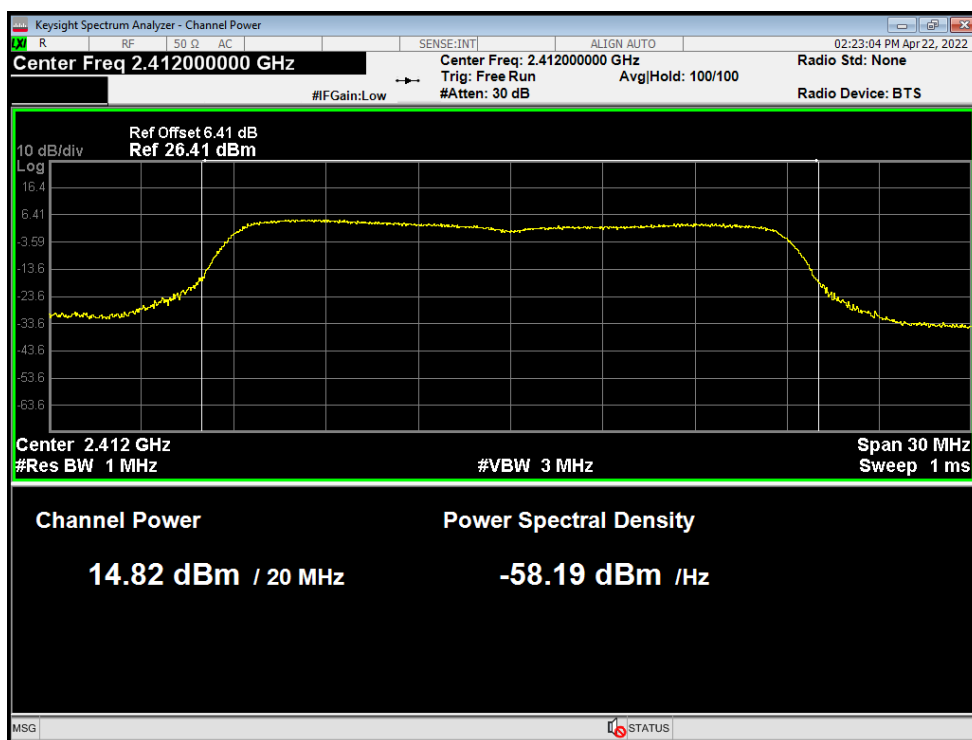
Power NVNT g 2437MHz Ant1



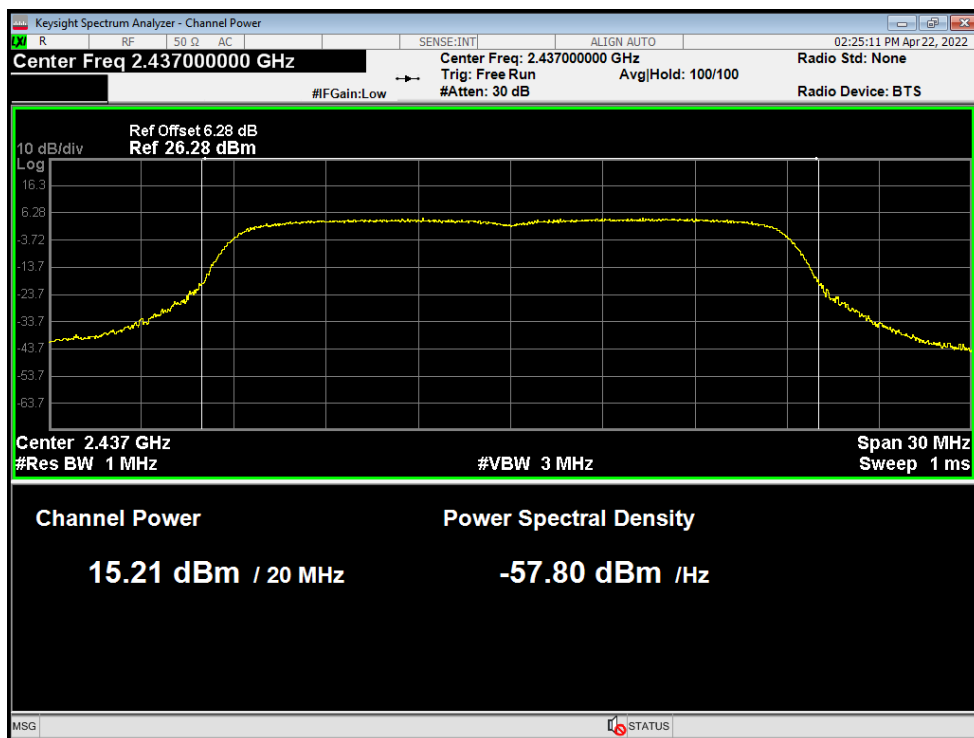
Power NVNT g 2462MHz Ant1



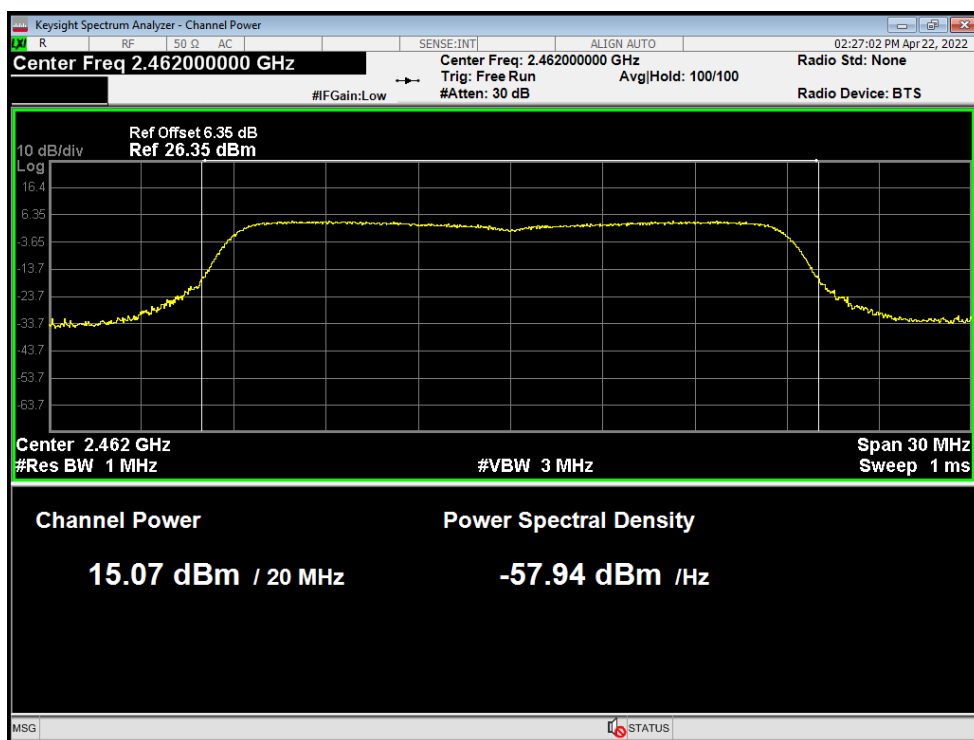
Power NVNT n20 2412MHz Ant1



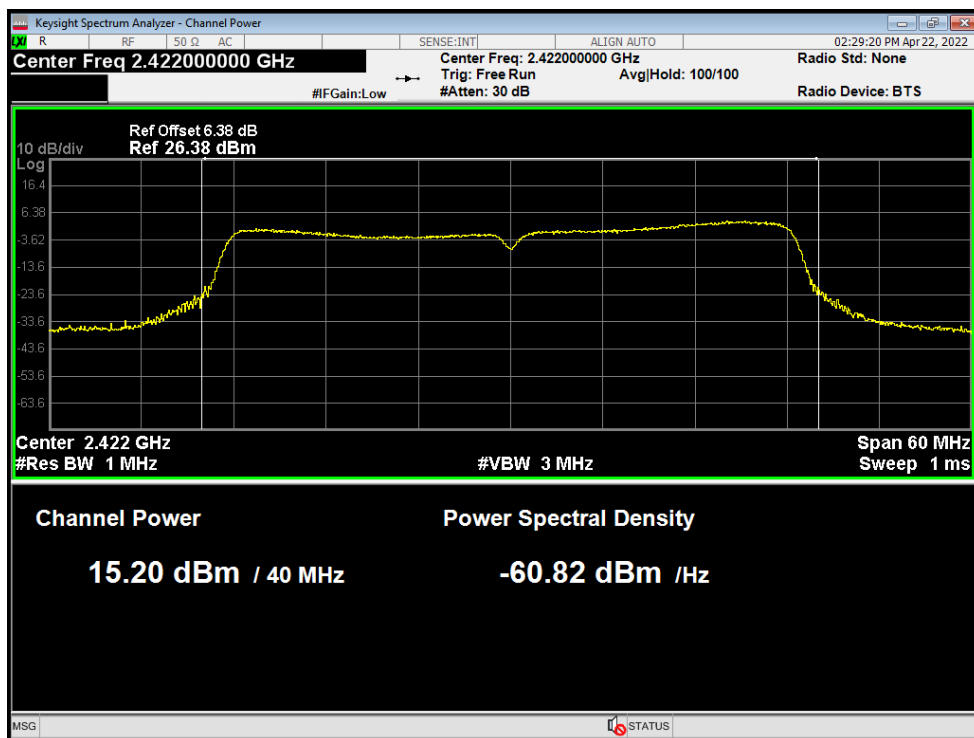
Power NVNT n20 2437MHz Ant1



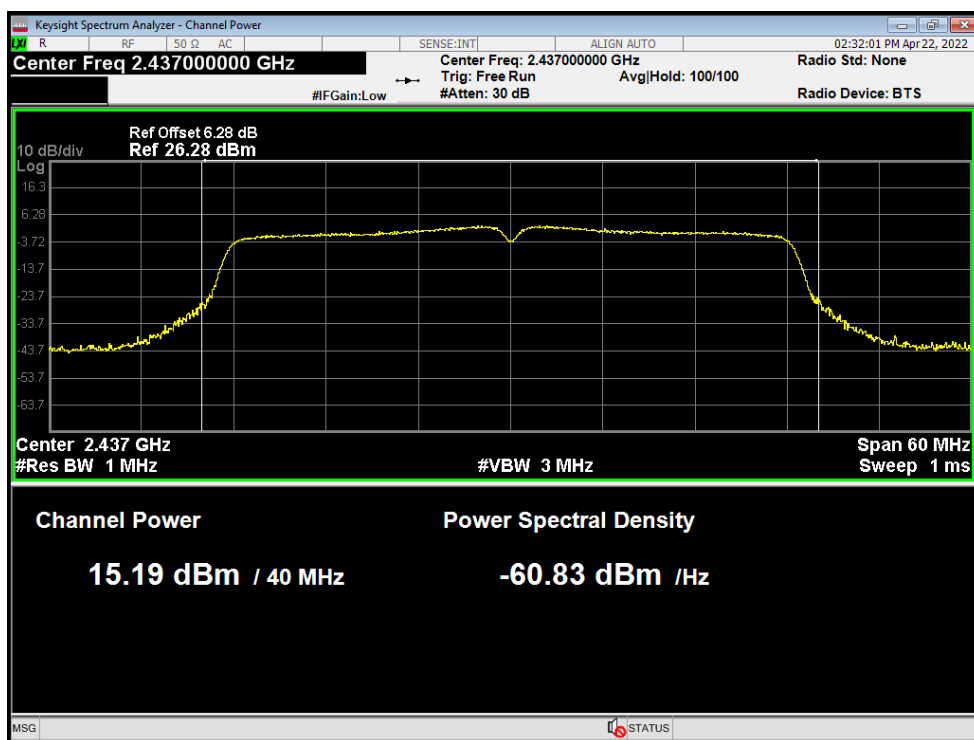
Power NVNT n20 2462MHz Ant1



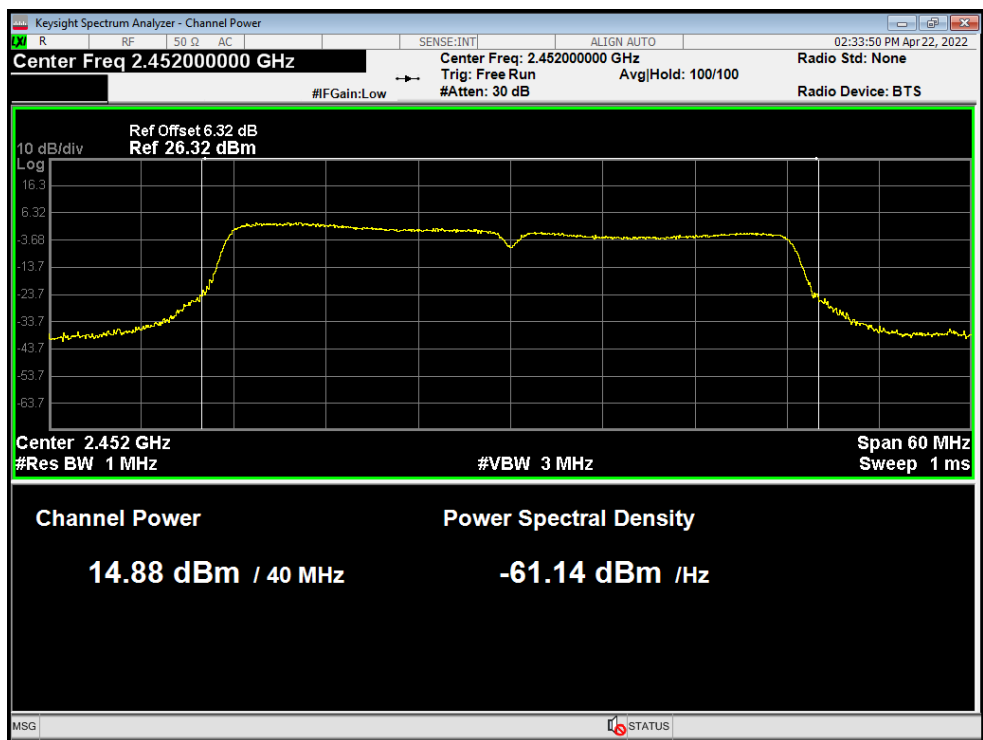
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



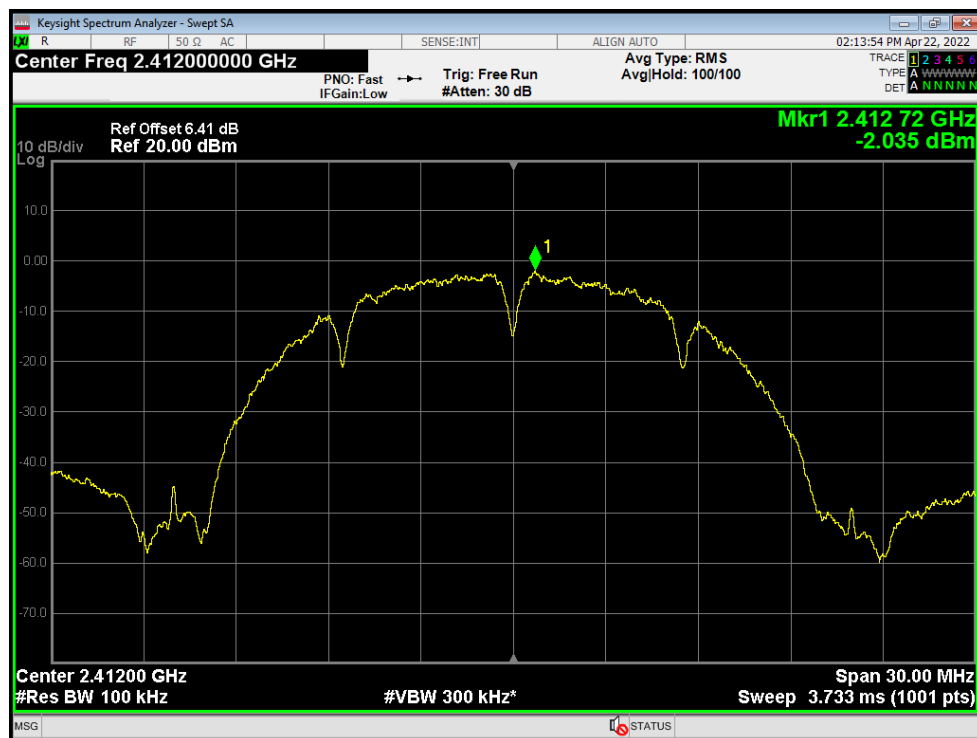
Power NVNT n40 2452MHz Ant1



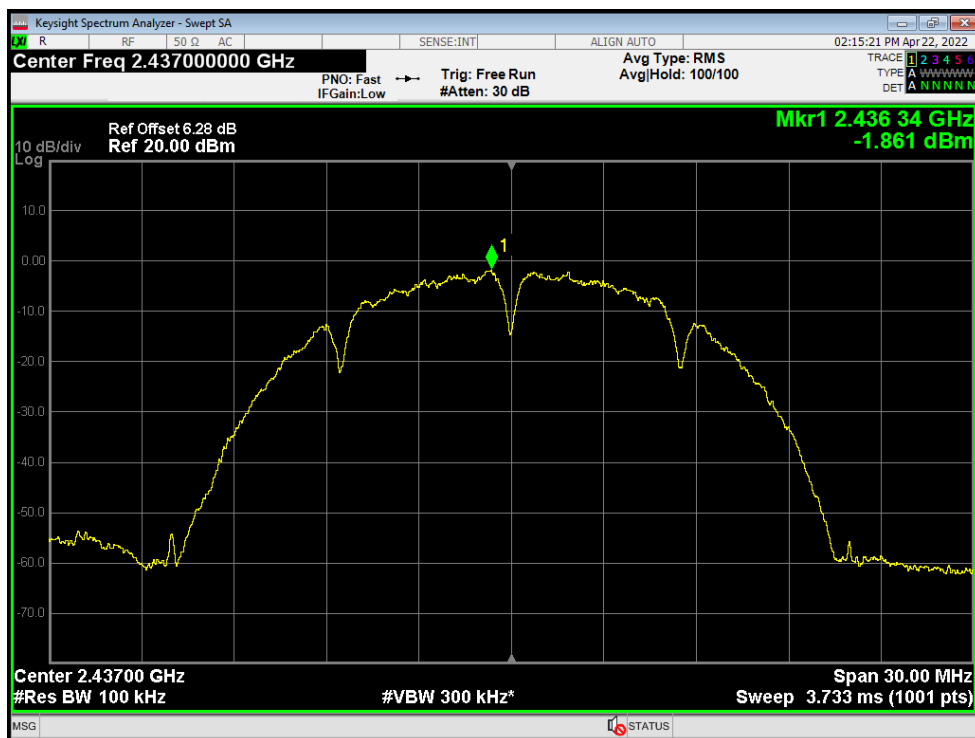
Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
b	2412	Ant1	-2.035	8	Pass
b	2437	Ant1	-1.861	8	Pass
b	2462	Ant1	-2.158	8	Pass
g	2412	Ant1	-4.096	8	Pass
g	2437	Ant1	-4.652	8	Pass
g	2462	Ant1	-4.606	8	Pass
n20	2412	Ant1	-3.833	8	Pass
n20	2437	Ant1	-4.973	8	Pass
n20	2462	Ant1	-5.006	8	Pass
n40	2422	Ant1	-5.711	8	Pass
n40	2437	Ant1	-6.696	8	Pass
n40	2452	Ant1	-6.028	8	Pass

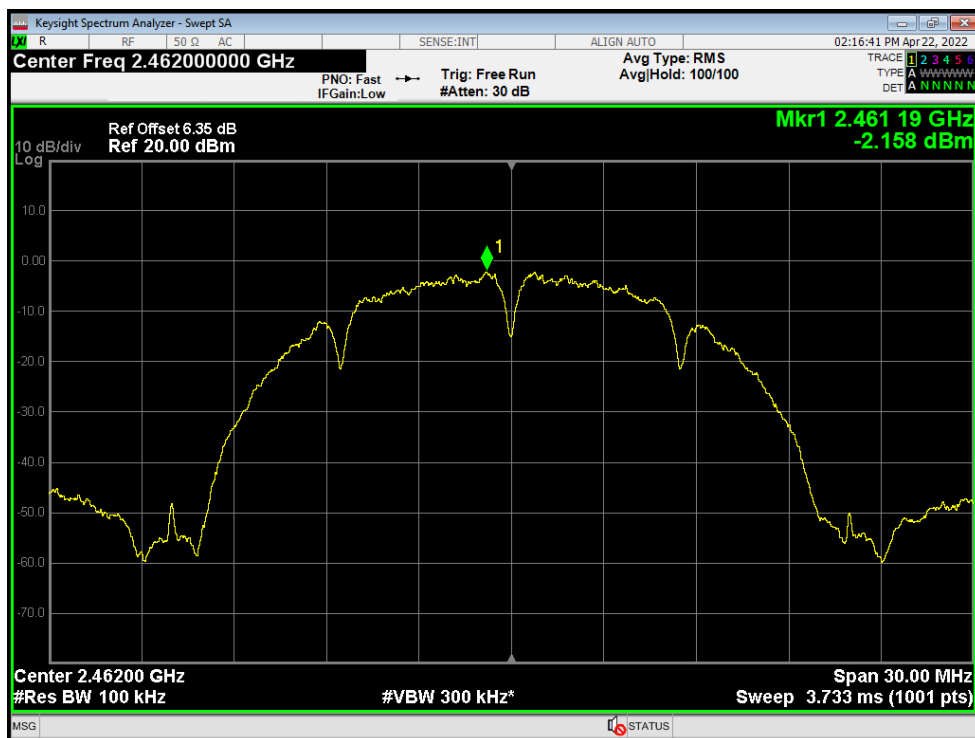
PSD NVNT b 2412MHz Ant1



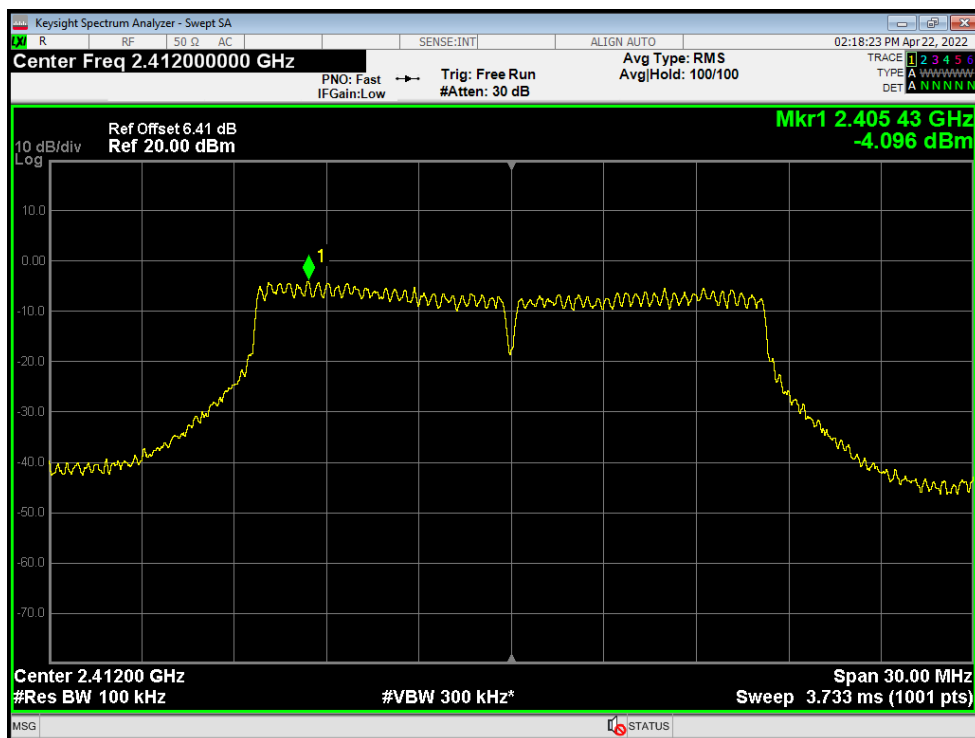
PSD NVNT b 2437MHz Ant1



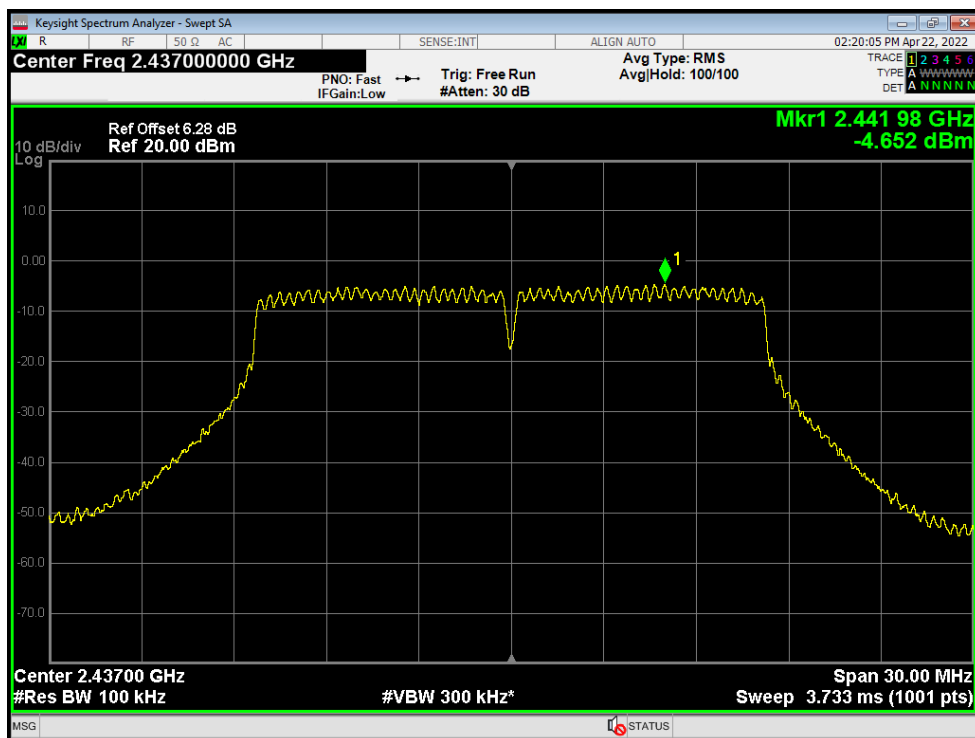
PSD NVNT b 2462MHz Ant1



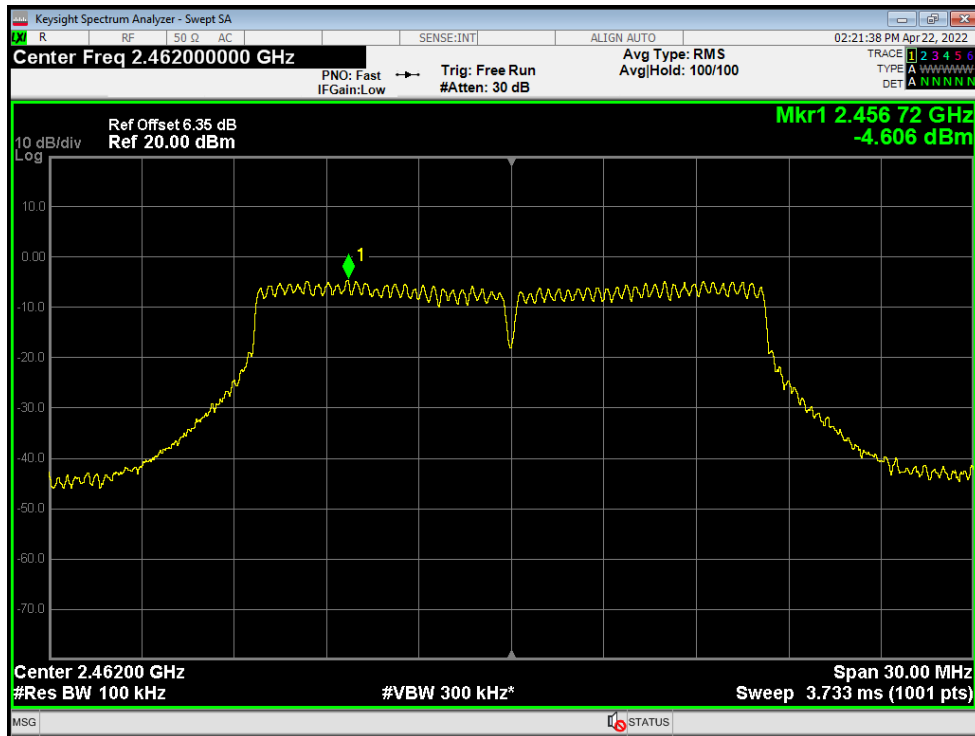
PSD NVNT g 2412MHz Ant1



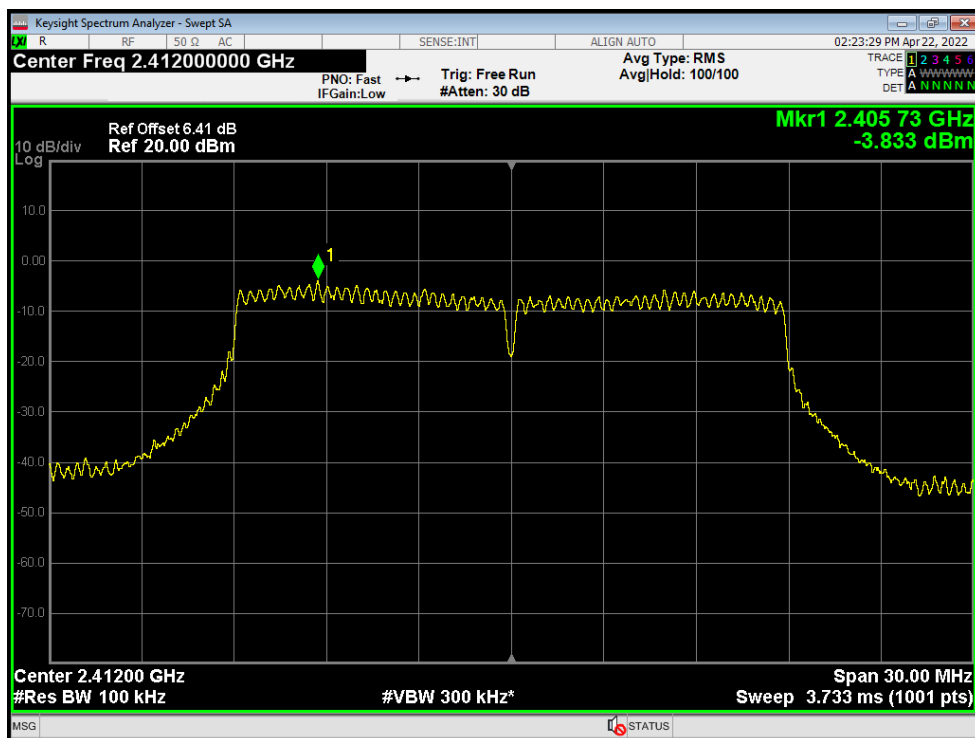
PSD NVNT g 2437MHz Ant1



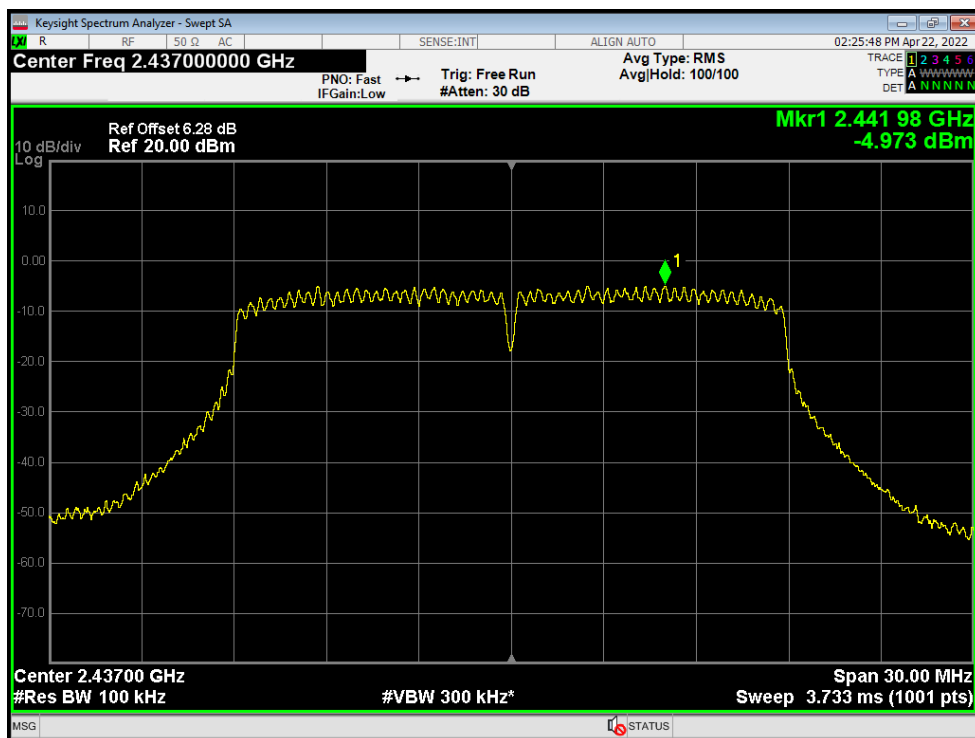
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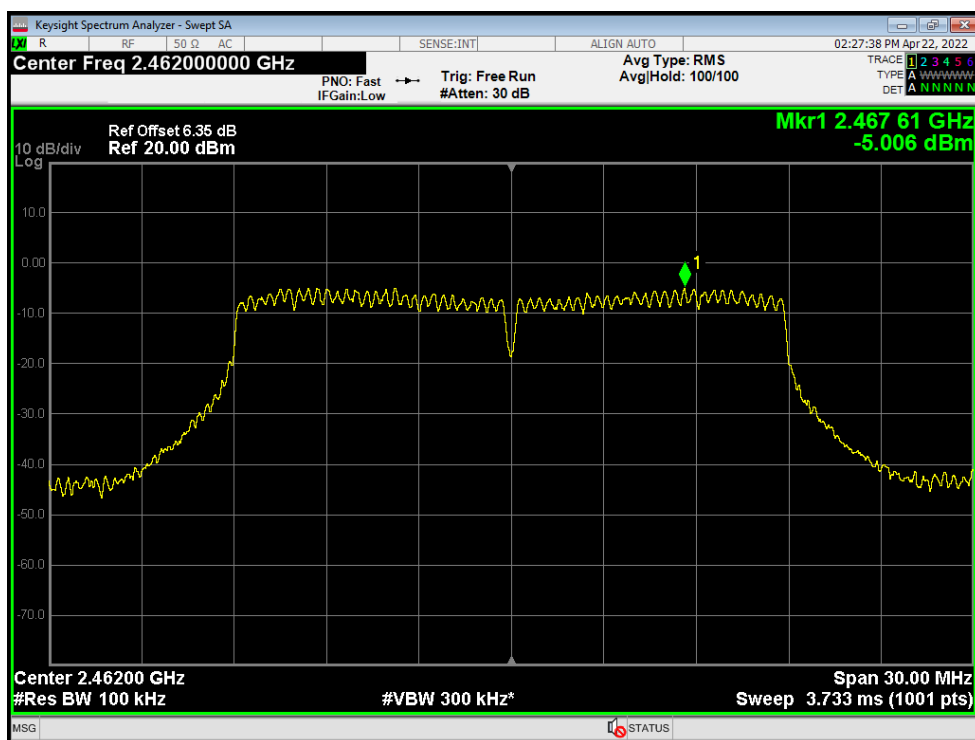
PSD NVNT n20 2412MHz Ant1



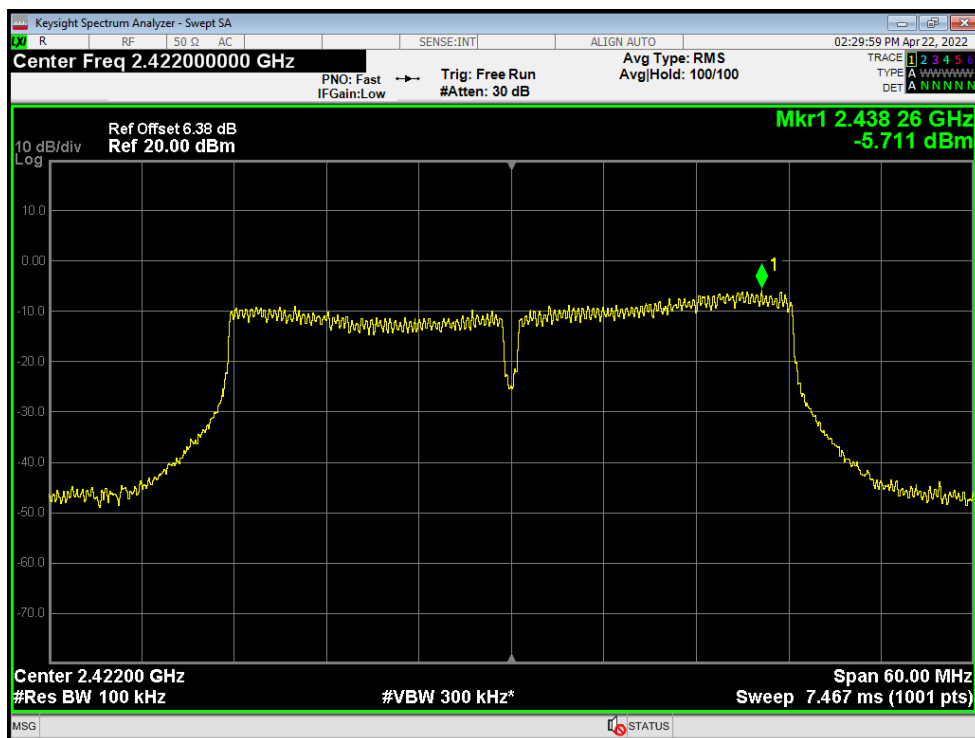
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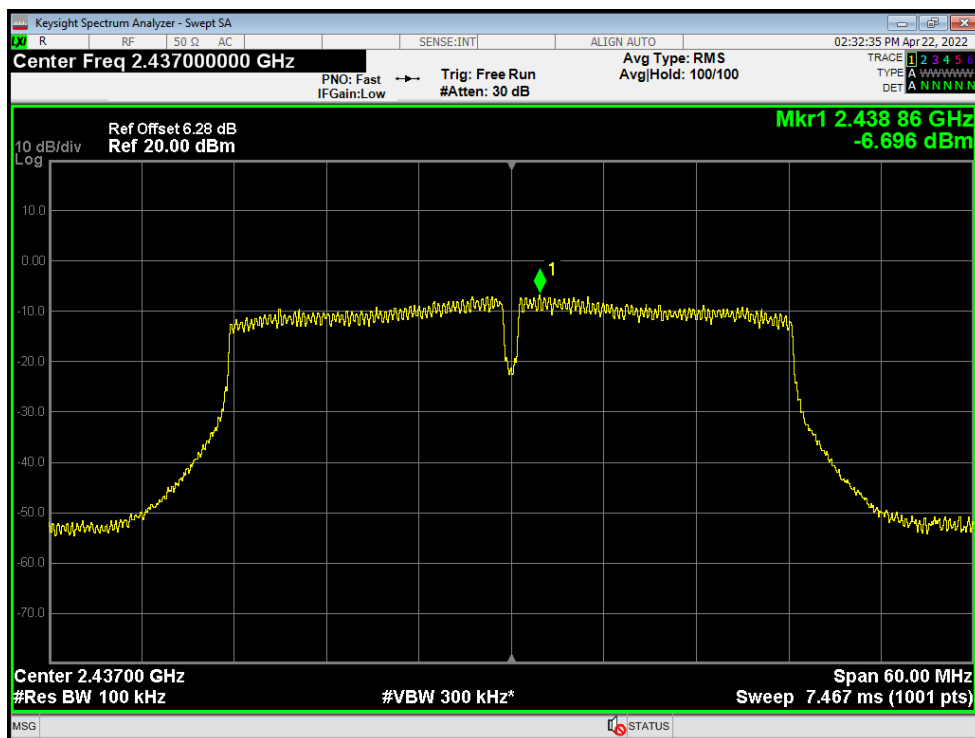
PSD NVNT n20 2462MHz Ant1



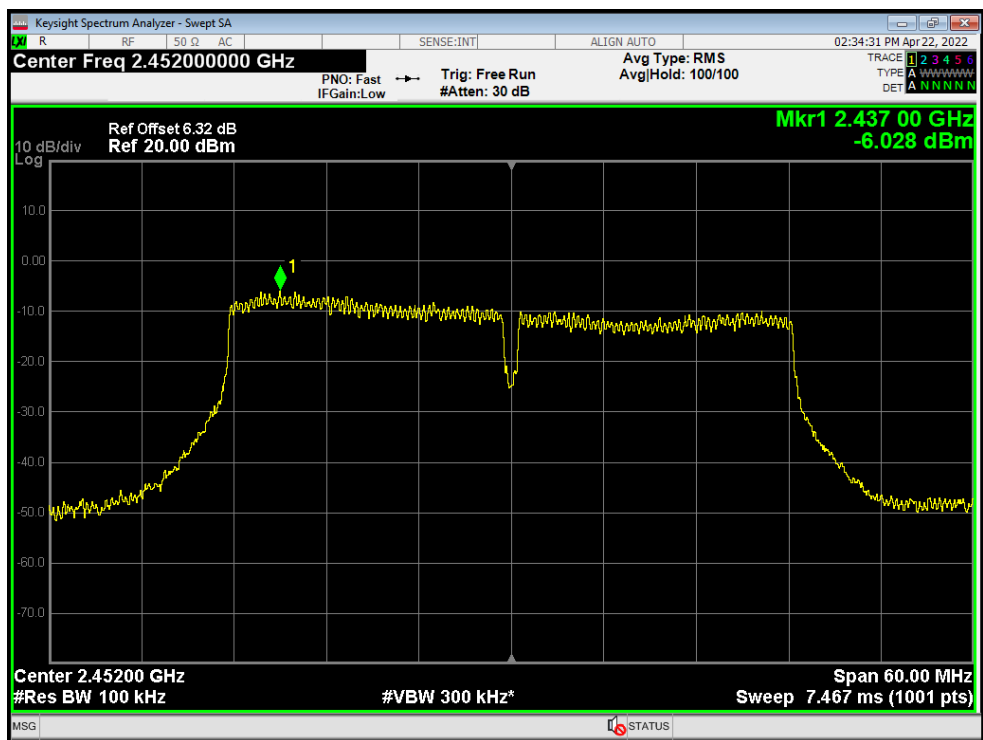
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



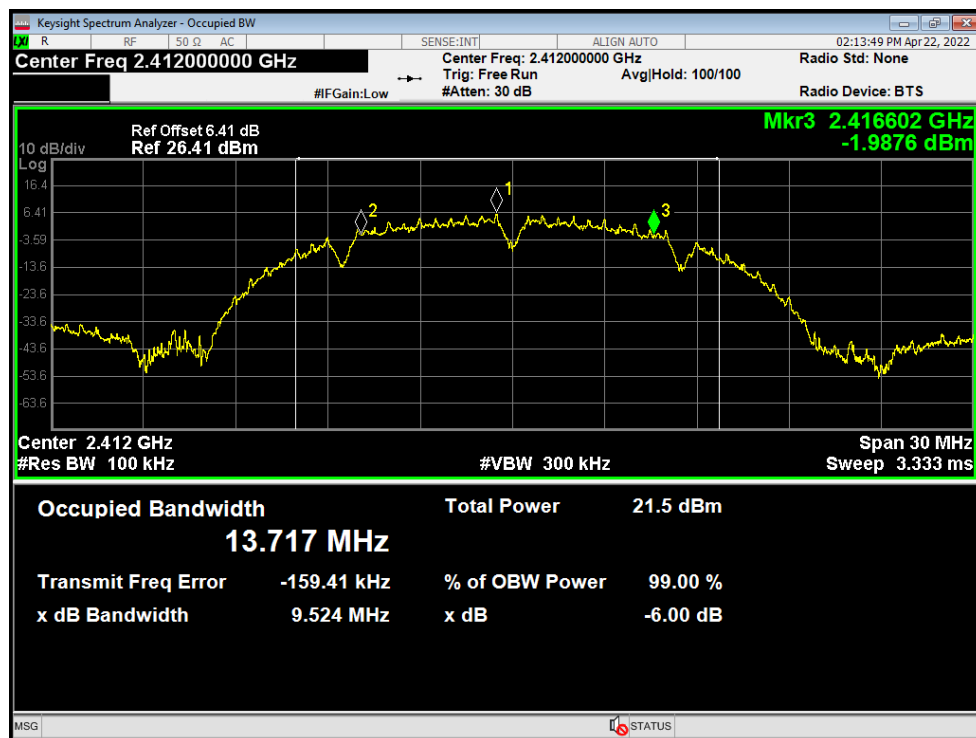
PSD NVNT n40 2452MHz Ant1



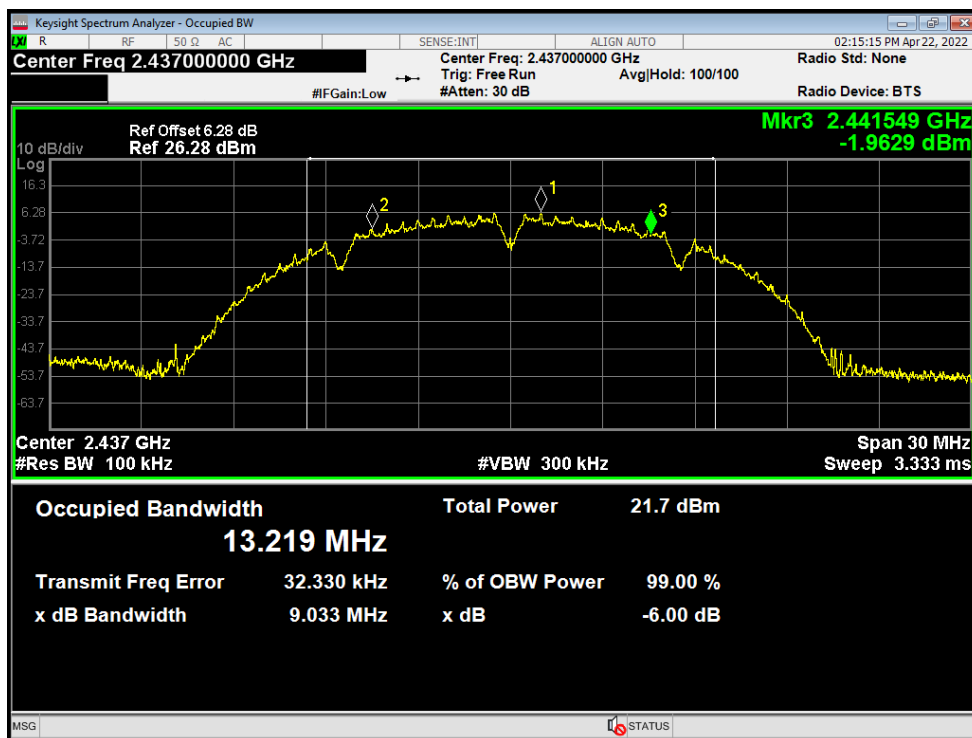
-6dB Bandwidth

Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
b	2412	Ant1	9.524	0.5	Pass
b	2437	Ant1	9.033	0.5	Pass
b	2462	Ant1	10.039	0.5	Pass
g	2412	Ant1	15.927	0.5	Pass
g	2437	Ant1	15.995	0.5	Pass
g	2462	Ant1	16.327	0.5	Pass
n20	2412	Ant1	16.298	0.5	Pass
n20	2437	Ant1	16.131	0.5	Pass
n20	2462	Ant1	17.516	0.5	Pass
n40	2422	Ant1	35.449	0.5	Pass
n40	2437	Ant1	33.810	0.5	Pass
n40	2452	Ant1	35.655	0.5	Pass

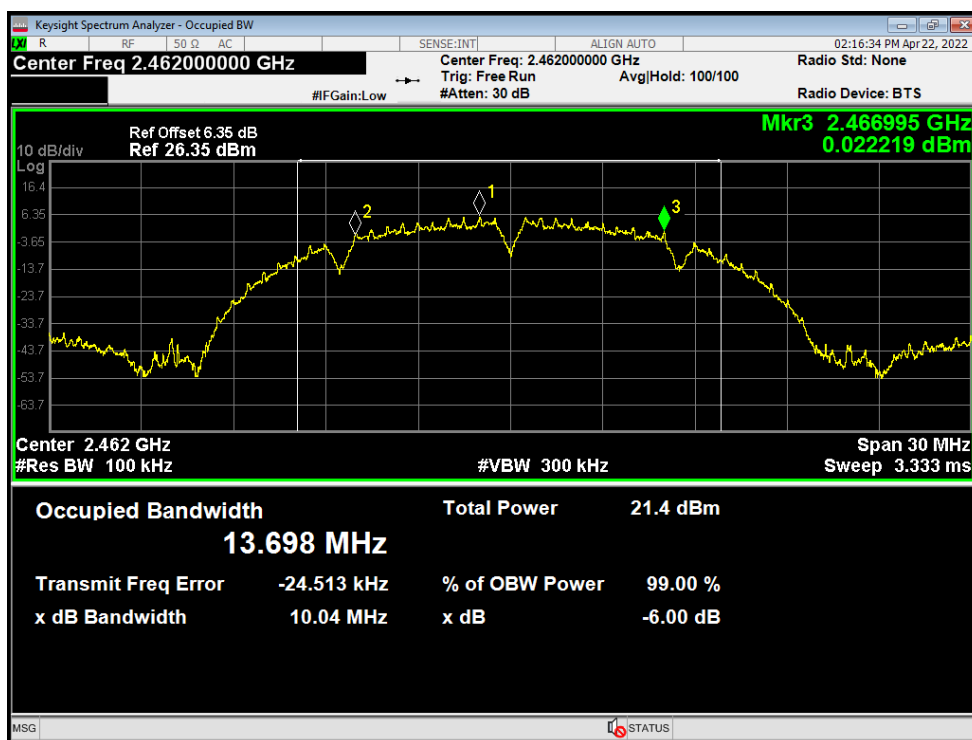
-6dB Bandwidth NVNT b 2412MHz Ant1



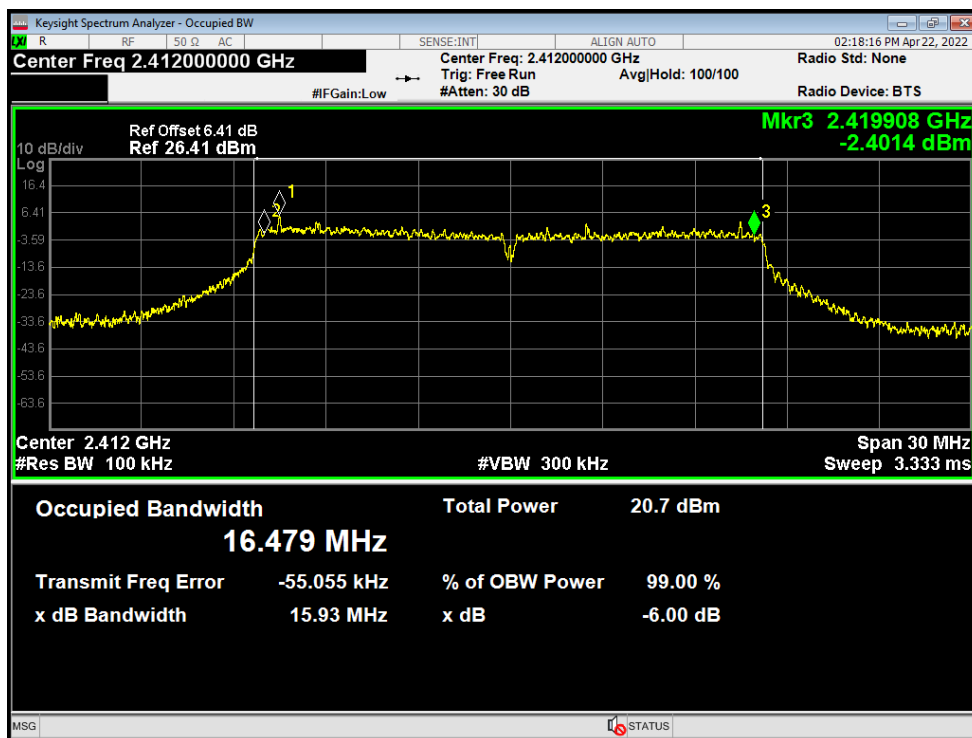
-6dB Bandwidth NVNT b 2437MHz Ant1



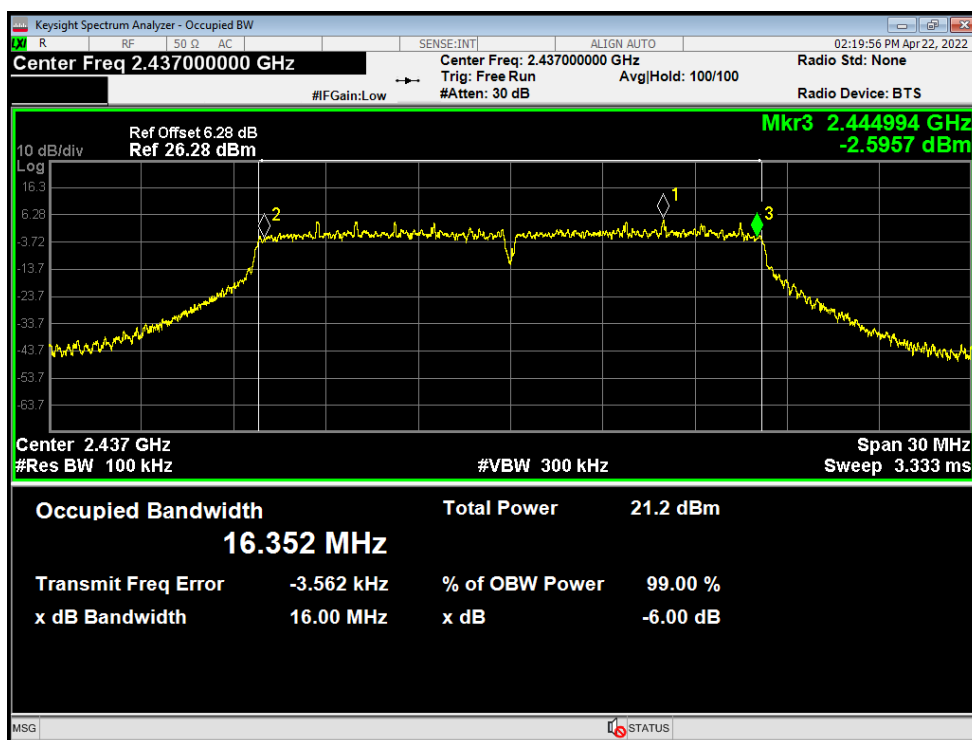
-6dB Bandwidth NVNT b 2462MHz Ant1



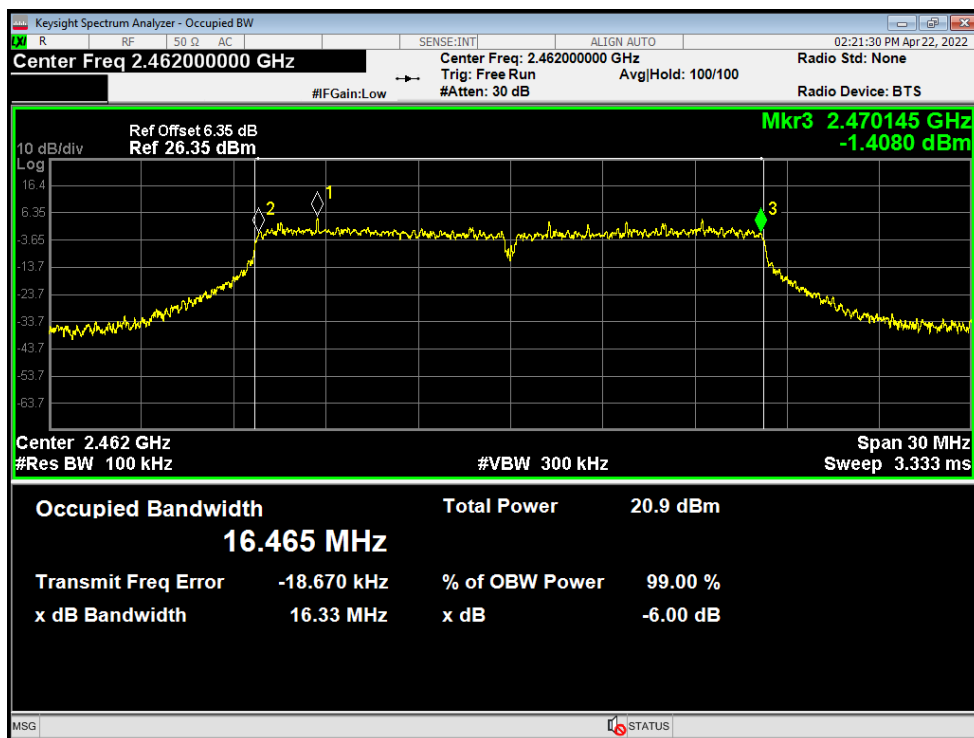
-6dB Bandwidth NVNT g 2412MHz Ant1



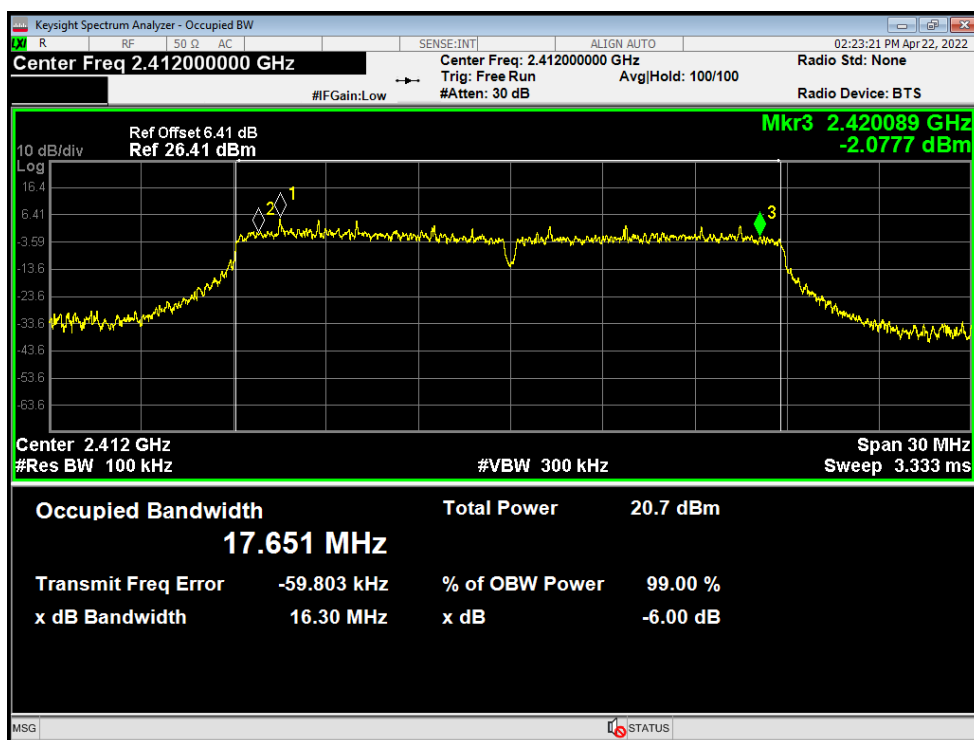
-6dB Bandwidth NVNT g 2437MHz Ant1



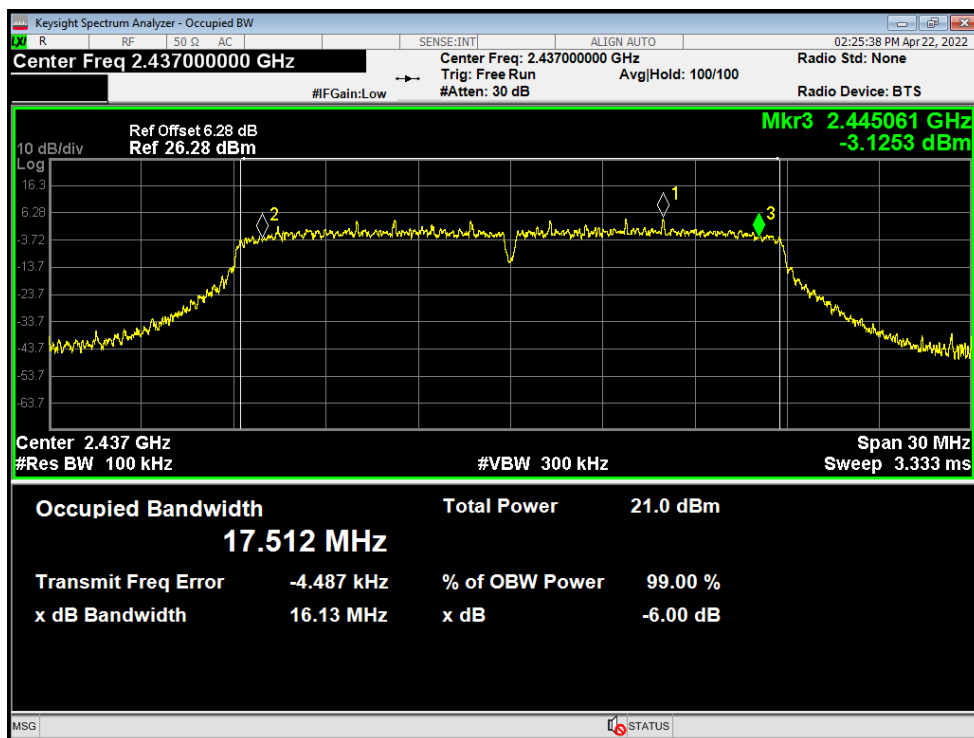
-6dB Bandwidth NVNT g 2462MHz Ant1



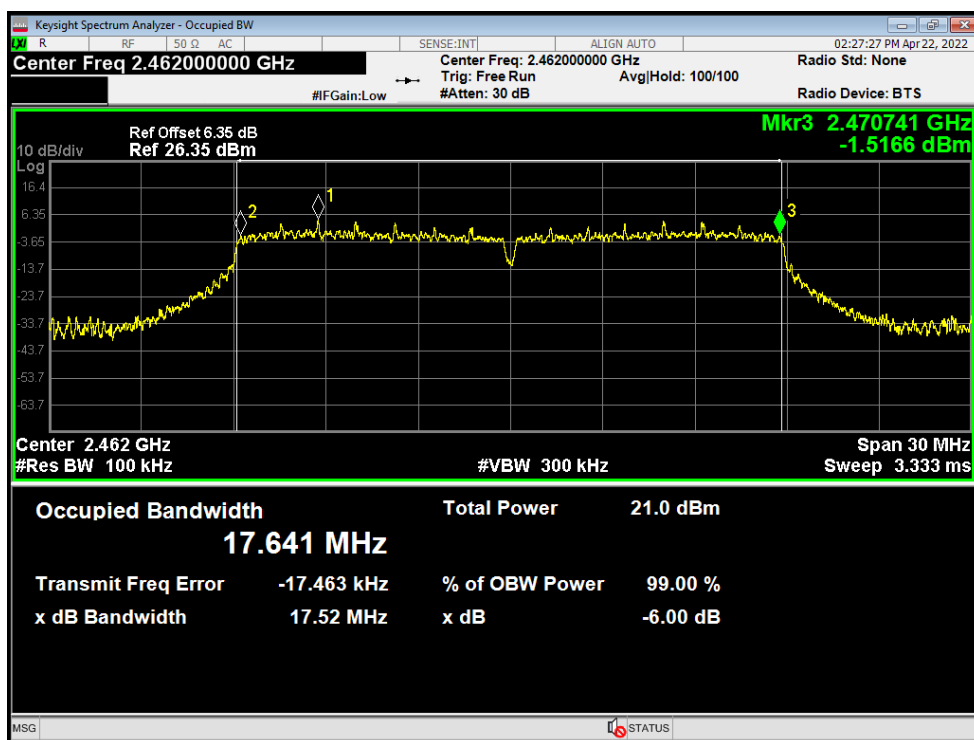
-6dB Bandwidth NVNT n20 2412MHz Ant1



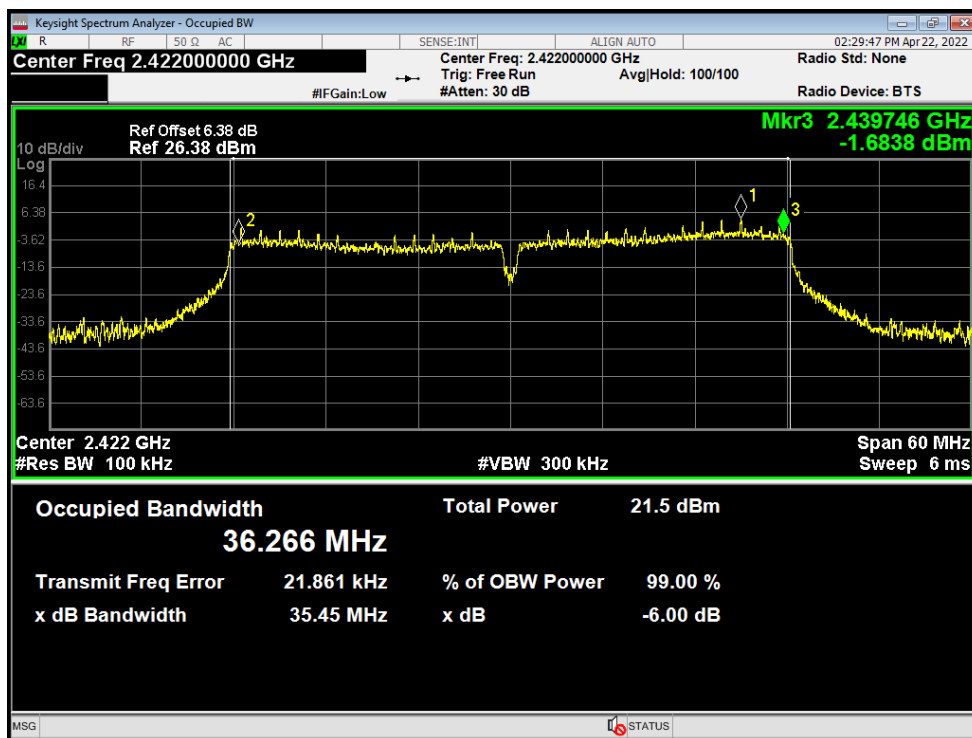
-6dB Bandwidth NVNT n20 2437MHz Ant1



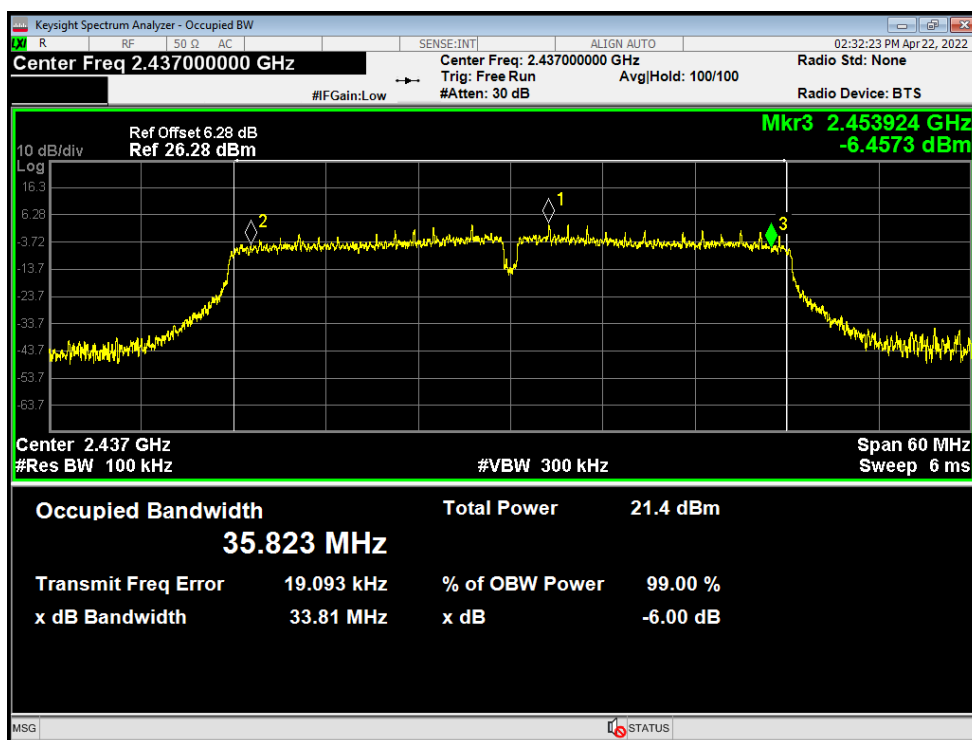
-6dB Bandwidth NVNT n20 2462MHz Ant1



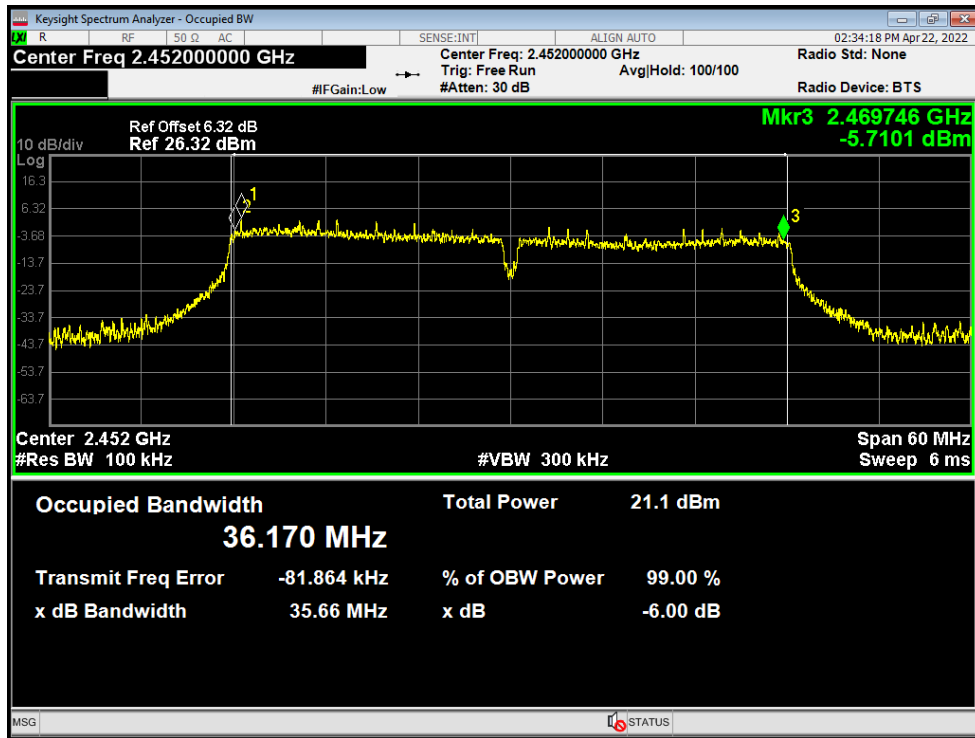
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1



***** END OF REPORT *****