

Annex

FCC Part 15C Test Report

FCC ID:2A36MCM-I310M

Applicant: Shenzhen Anjia Information Technology Co., Ltd.

Address: No. 13, Anye Road, Anliang Community, Yuanshan Street, Longgang District, Shenzhen, Guangdong, China

Manufacturer: Shenzhen Anjia Information Technology Co., Ltd.

Address: No. 13, Anye Road, Anliang Community, Yuanshan Street, Longgang District, Shenzhen, Guangdong, China

EUT: HD Smart camera

Trade Mark: N/A

Model Number: CM-I310M

Date of Receipt: Jun. 25, 2023

Test Date: Jun. 25, 2023 – Jul. 10, 2023

Date of Report: Jul. 10, 2023

Prepared By: BTF Testing Lab (Shenzhen) Co., Ltd.

Address: F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, China

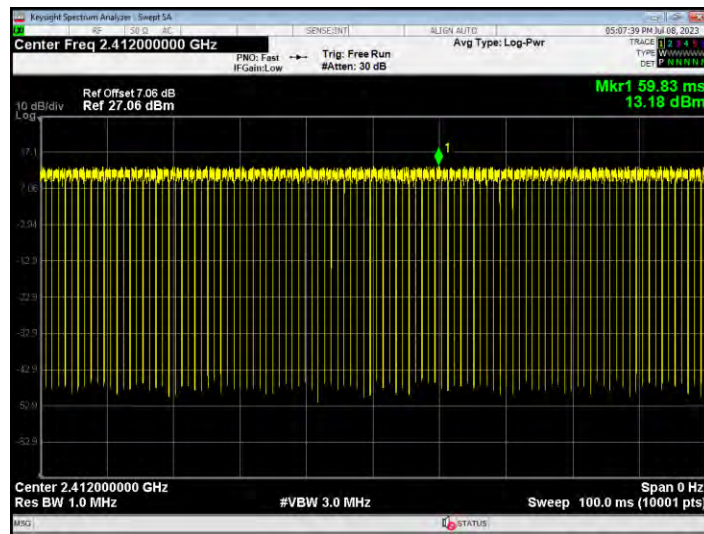
Applicable Standards: FCC PART 15 C 15.247
ANSI C63.10:2013

Test Result: Pass

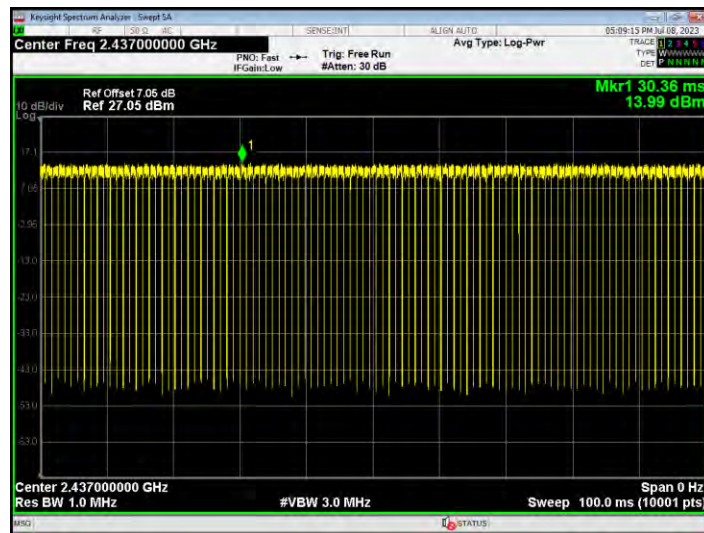
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.31	0.12
NVNT	b	2437	Ant1	97.3	0.12
NVNT	b	2462	Ant1	97.26	0.12
NVNT	g	2412	Ant1	85.14	0.7
NVNT	g	2437	Ant1	85.02	0.7
NVNT	g	2462	Ant1	84.96	0.71
NVNT	n20	2412	Ant1	97.62	0.1
NVNT	n20	2437	Ant1	97.52	0.11
NVNT	n20	2462	Ant1	97.57	0.11
NVNT	n40	2422	Ant1	95.28	0.21
NVNT	n40	2437	Ant1	95.24	0.21
NVNT	n40	2452	Ant1	95.22	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



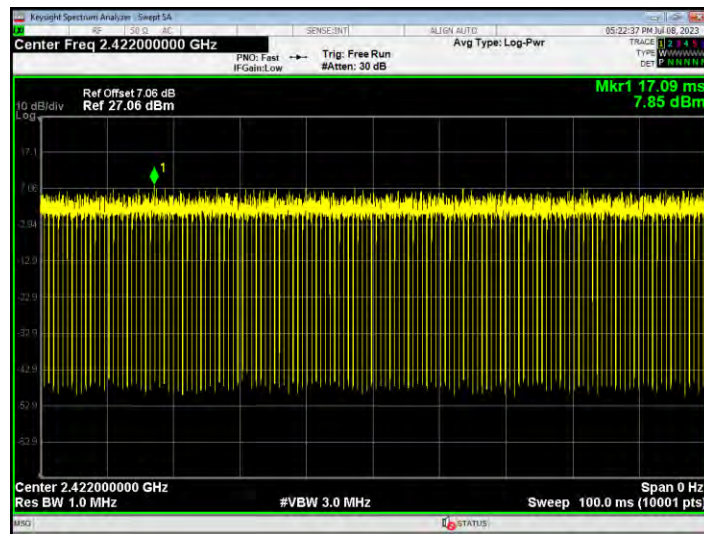
Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



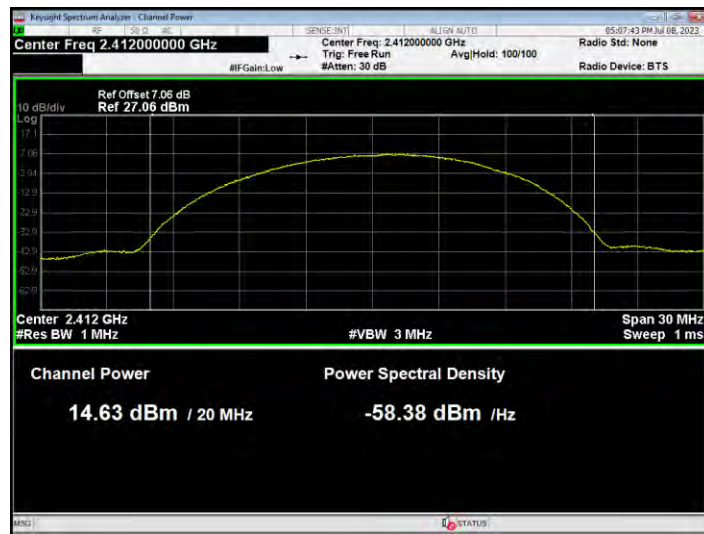
Duty Cycle NVNT n40 2452MHz Ant1



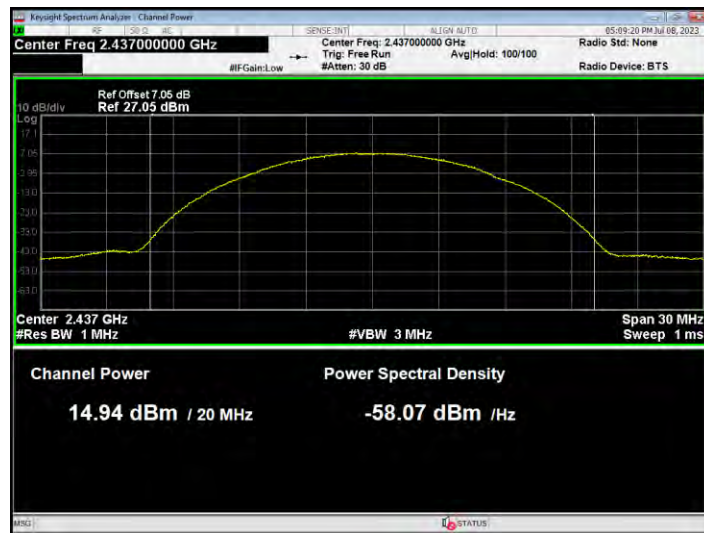
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	14.631	0.12	14.751	30	Pass
NVNT	b	2437	Ant1	14.939	0.12	15.059	30	Pass
NVNT	b	2462	Ant1	14.172	0.12	14.292	30	Pass
NVNT	g	2412	Ant1	12.668	0.7	13.368	30	Pass
NVNT	g	2437	Ant1	13.173	0.7	13.873	30	Pass
NVNT	g	2462	Ant1	12.416	0.71	13.126	30	Pass
NVNT	n20	2412	Ant1	13.906	0.1	14.006	30	Pass
NVNT	n20	2437	Ant1	14.206	0.11	14.316	30	Pass
NVNT	n20	2462	Ant1	13.331	0.11	13.441	30	Pass
NVNT	n40	2422	Ant1	13.591	0.21	13.801	30	Pass
NVNT	n40	2437	Ant1	13.607	0.21	13.817	30	Pass
NVNT	n40	2452	Ant1	12.822	0.21	13.032	30	Pass

Power NVNT b 2412MHz Ant1



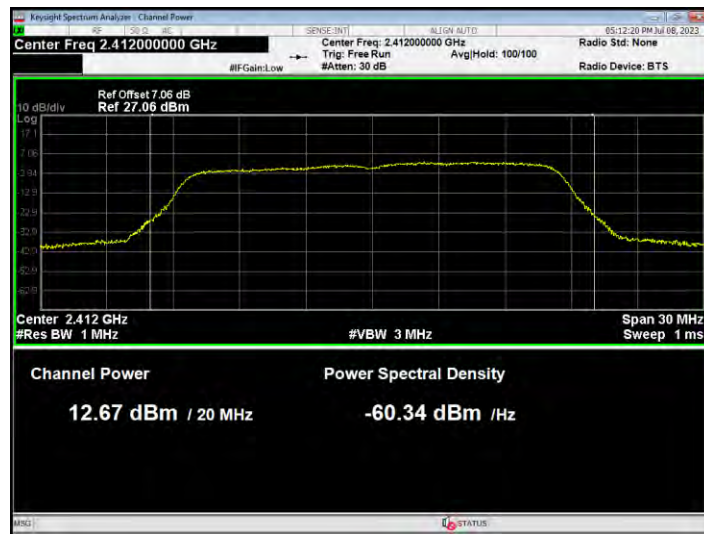
Power NVNT b 2437MHz Ant1



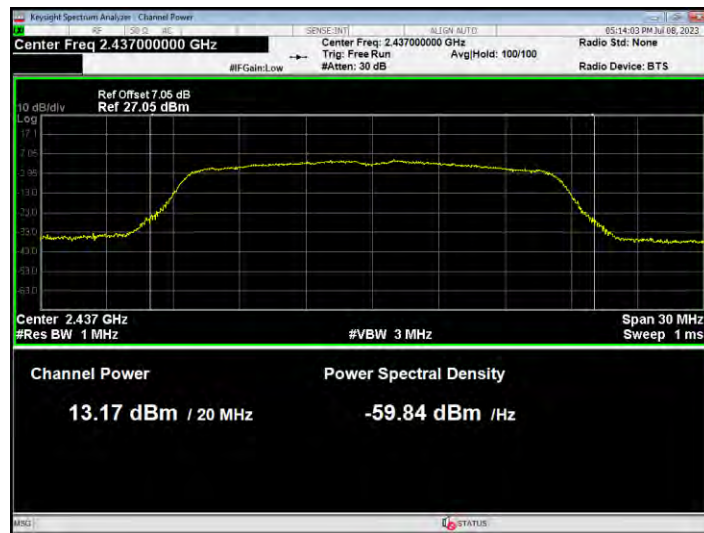
Power NVNT b 2462MHz Ant1



Power NVNT g 2412MHz Ant1



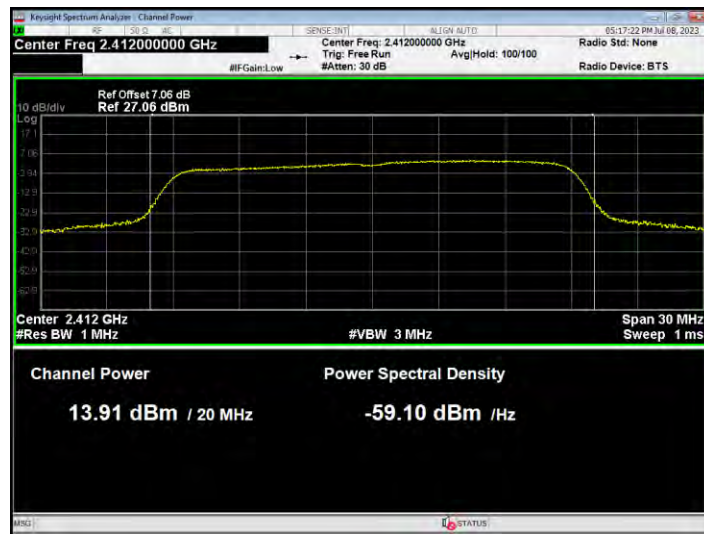
Power NVNT g 2437MHz Ant1



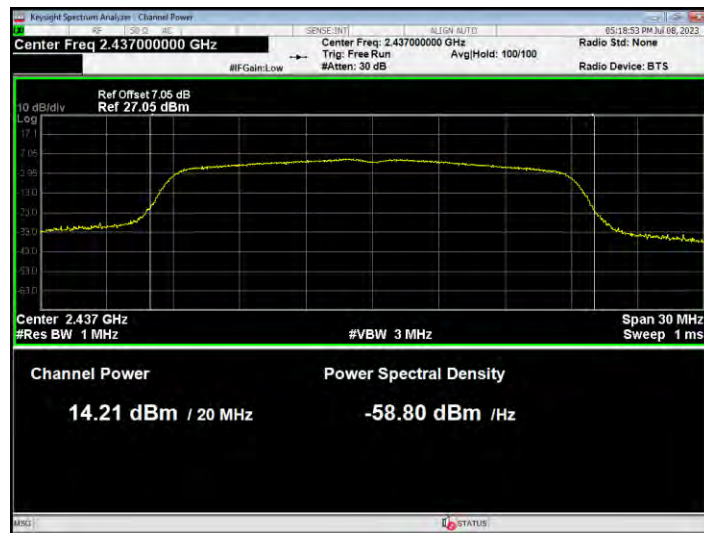
Power NVNT g 2462MHz Ant1



Power NVNT n20 2412MHz Ant1



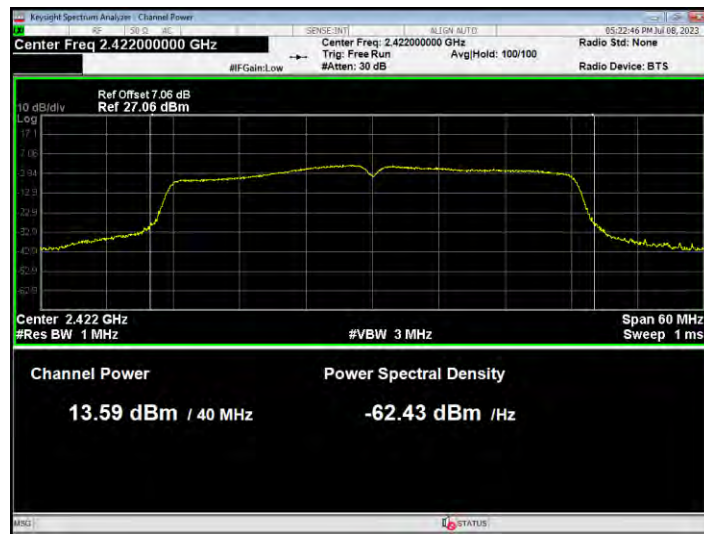
Power NVNT n20 2437MHz Ant1



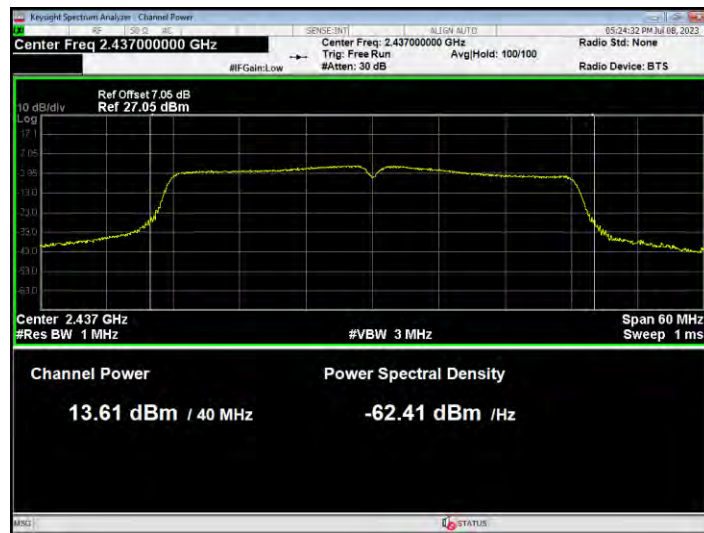
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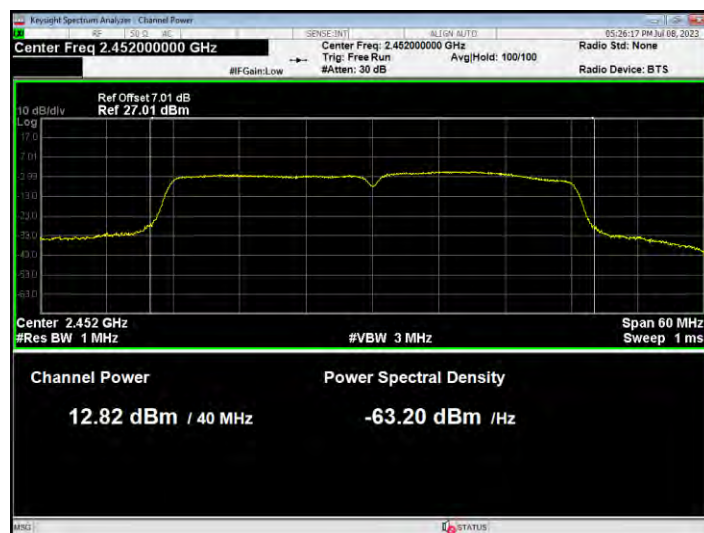
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



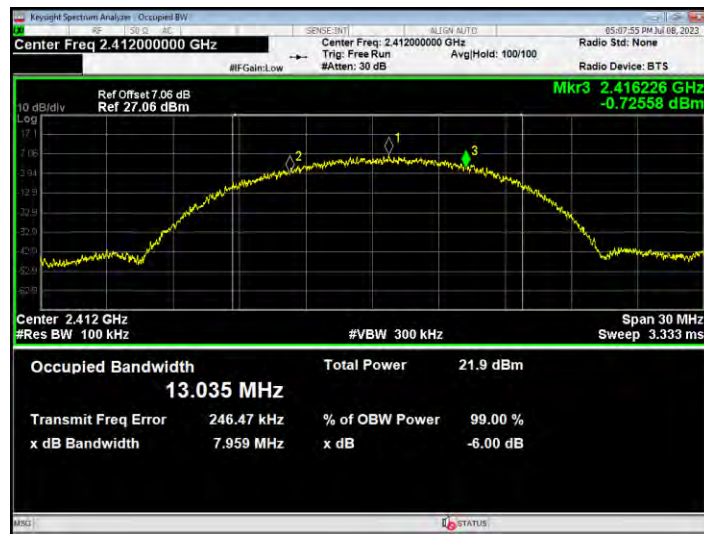
Power NVNT n40 2452MHz Ant1



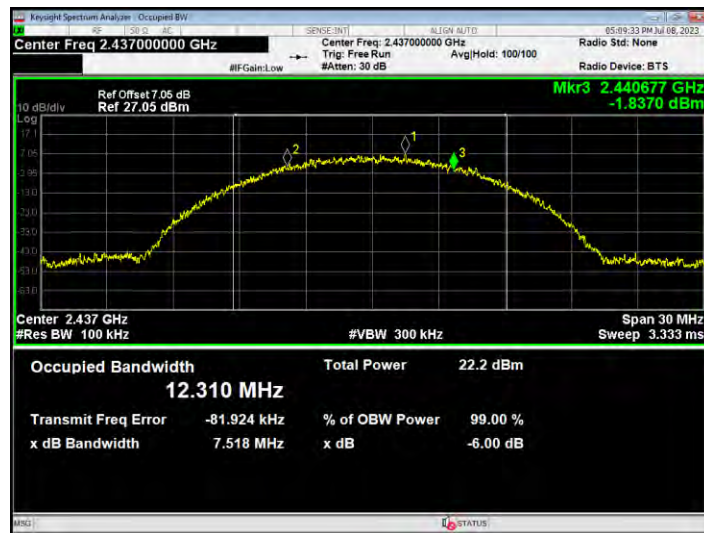
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.959	0.5	Pass
NVNT	b	2437	Ant1	7.518	0.5	Pass
NVNT	b	2462	Ant1	7.74	0.5	Pass
NVNT	g	2412	Ant1	15.72	0.5	Pass
NVNT	g	2437	Ant1	15.09	0.5	Pass
NVNT	g	2462	Ant1	15.077	0.5	Pass
NVNT	n20	2412	Ant1	16.018	0.5	Pass
NVNT	n20	2437	Ant1	13.367	0.5	Pass
NVNT	n20	2462	Ant1	15.056	0.5	Pass
NVNT	n40	2422	Ant1	26.352	0.5	Pass
NVNT	n40	2437	Ant1	35.087	0.5	Pass
NVNT	n40	2452	Ant1	35.029	0.5	Pass

-6dB Bandwidth NVNT b 2412MHz Ant1



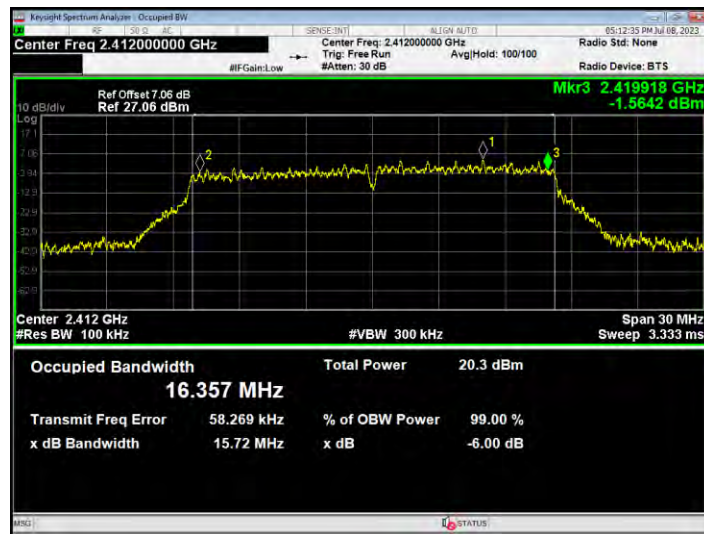
-6dB Bandwidth NVNT b 2437MHz Ant1



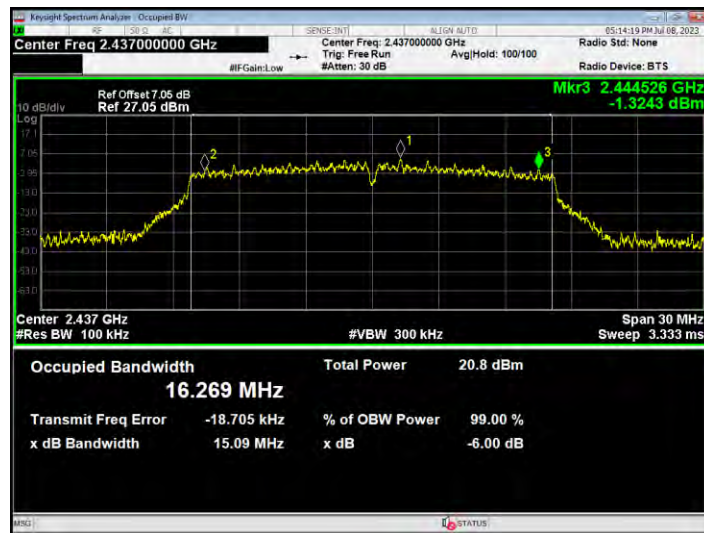
-6dB Bandwidth NVNT b 2462MHz Ant1



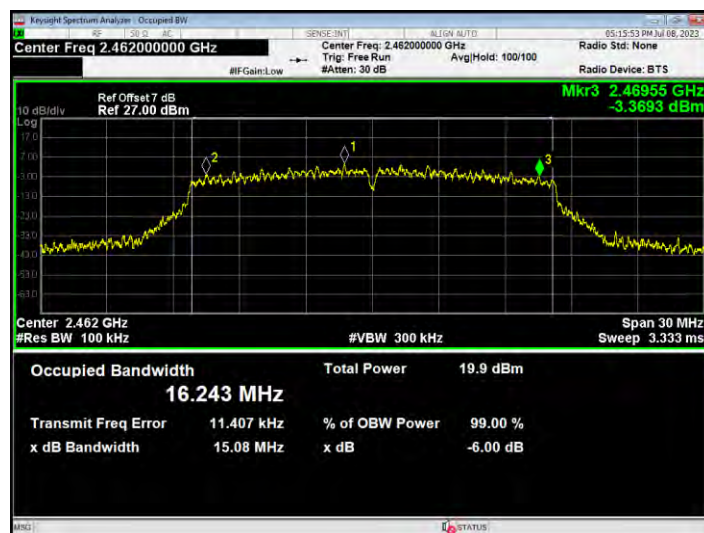
-6dB Bandwidth NVNT g 2412MHz Ant1



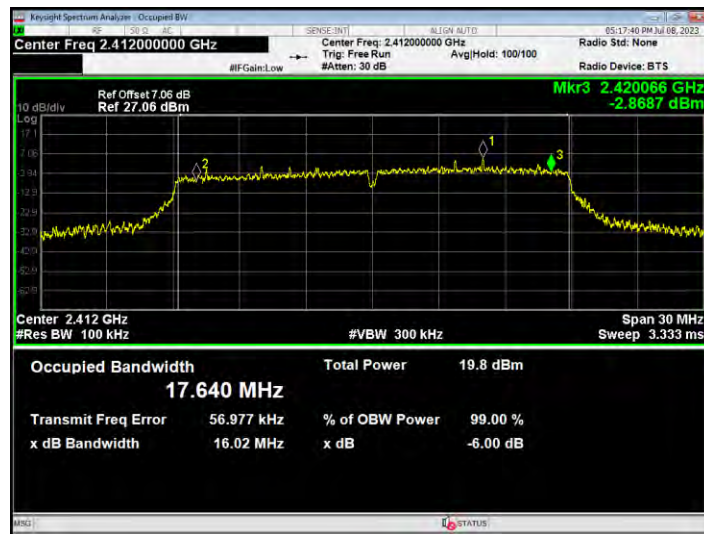
-6dB Bandwidth NVNT g 2437MHz Ant1



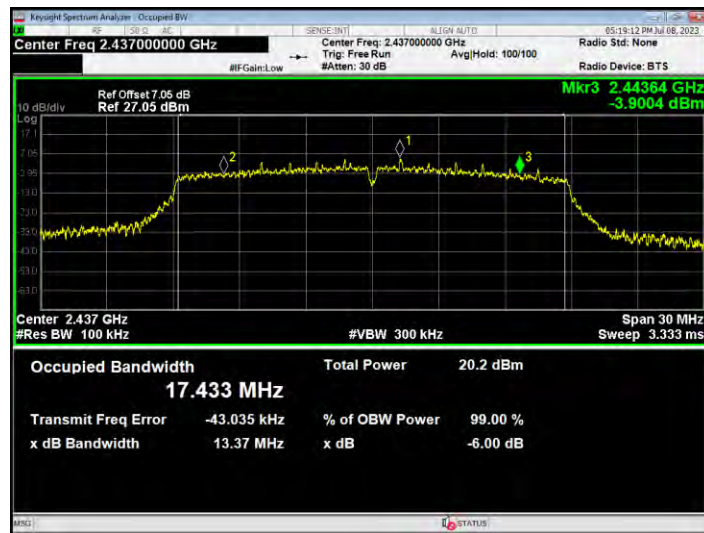
-6dB Bandwidth NVNT g 2462MHz Ant1



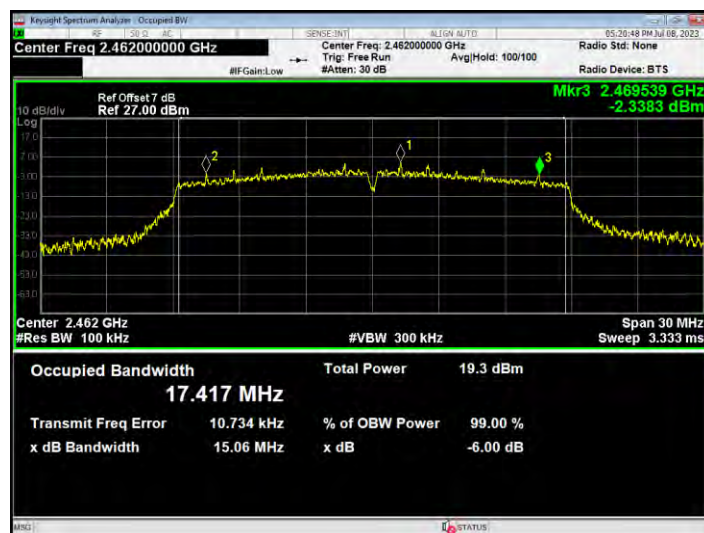
-6dB Bandwidth NVNT n20 2412MHz Ant1



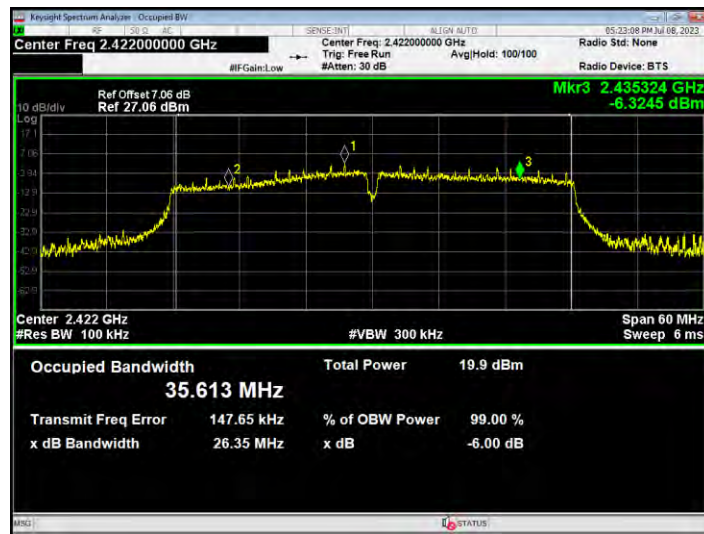
-6dB Bandwidth NVNT n20 2437MHz Ant1



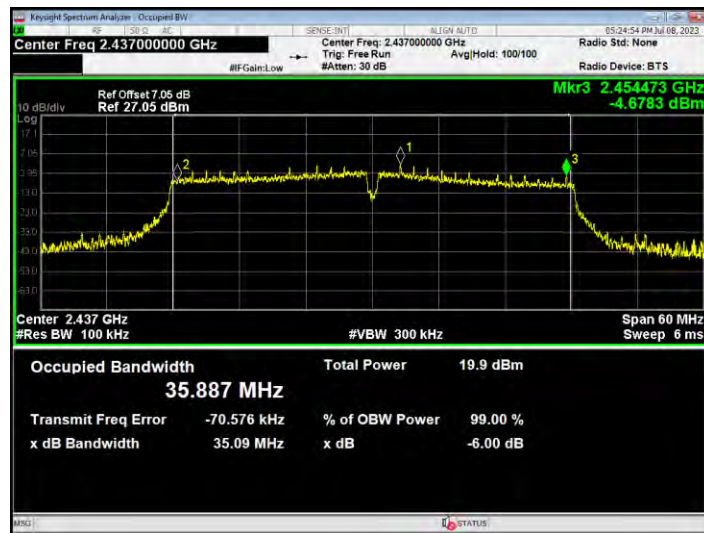
-6dB Bandwidth NVNT n20 2462MHz Ant1



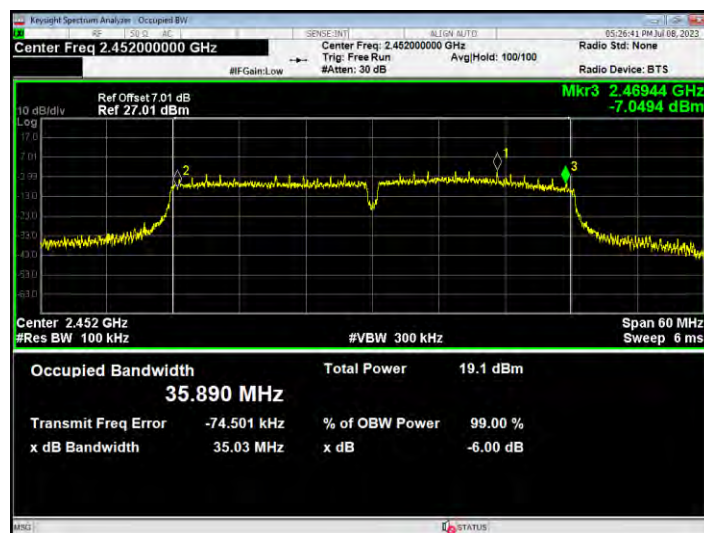
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



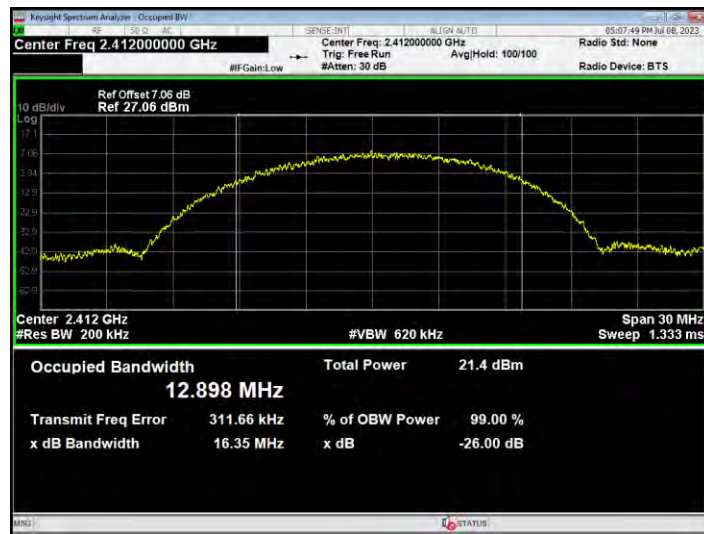
-6dB Bandwidth NVNT n40 2452MHz Ant1



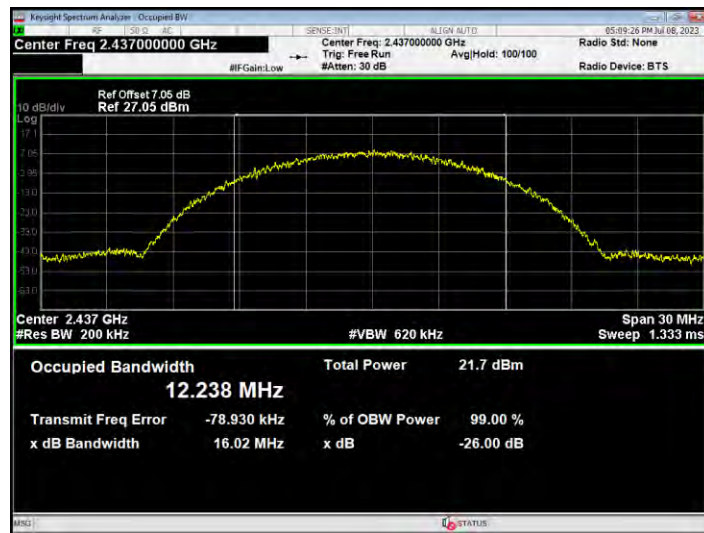
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.89757724
NVNT	b	2437	Ant1	12.23775346
NVNT	b	2462	Ant1	12.06381737
NVNT	g	2412	Ant1	16.44078848
NVNT	g	2437	Ant1	16.31733452
NVNT	g	2462	Ant1	16.23325618
NVNT	n20	2412	Ant1	17.72937972
NVNT	n20	2437	Ant1	17.45911973
NVNT	n20	2462	Ant1	17.41862291
NVNT	n40	2422	Ant1	35.78980114
NVNT	n40	2437	Ant1	36.06678894
NVNT	n40	2452	Ant1	36.04696702

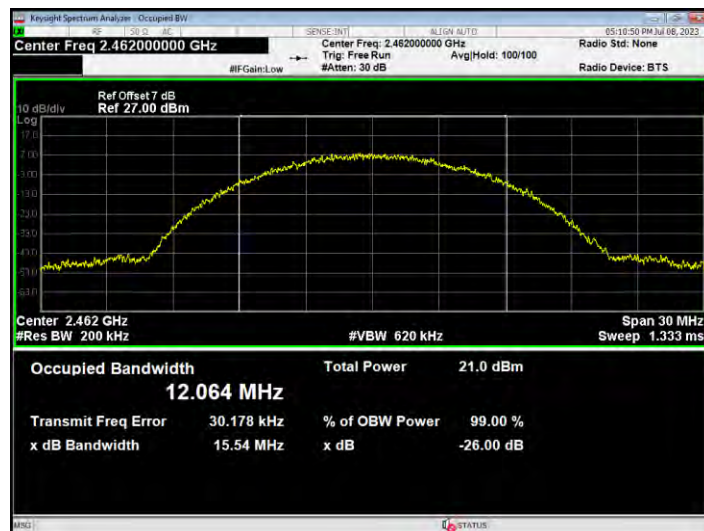
OBW NVNT b 2412MHz Ant1



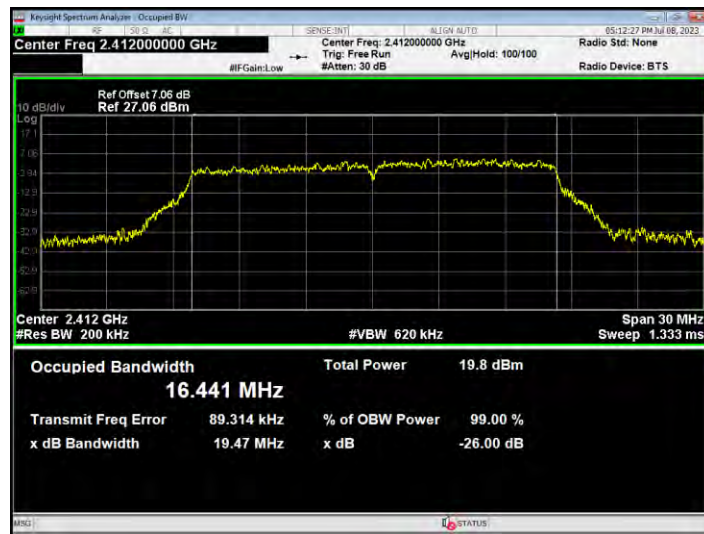
OBW NVNT b 2437MHz Ant1



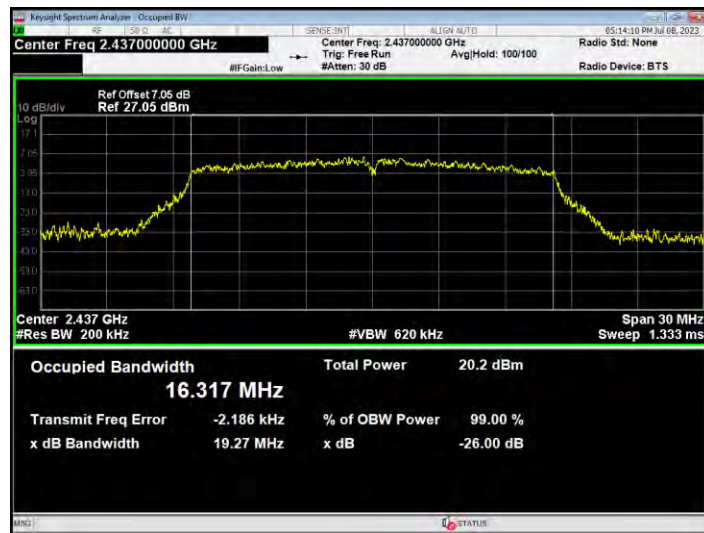
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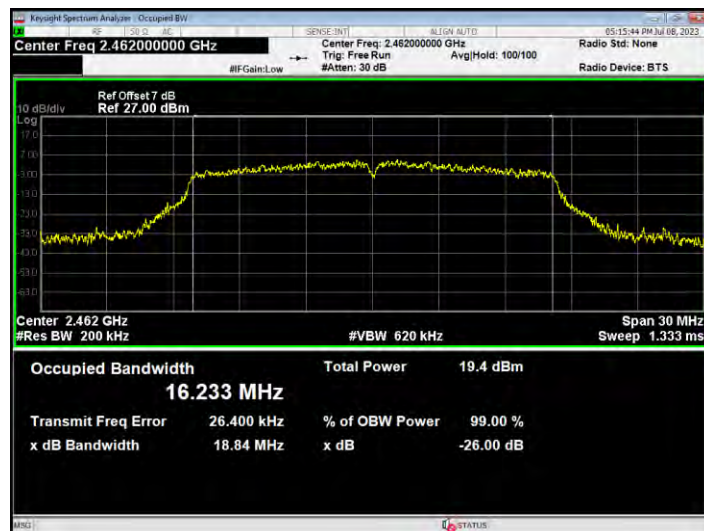
OBW NVNT g 2412MHz Ant1



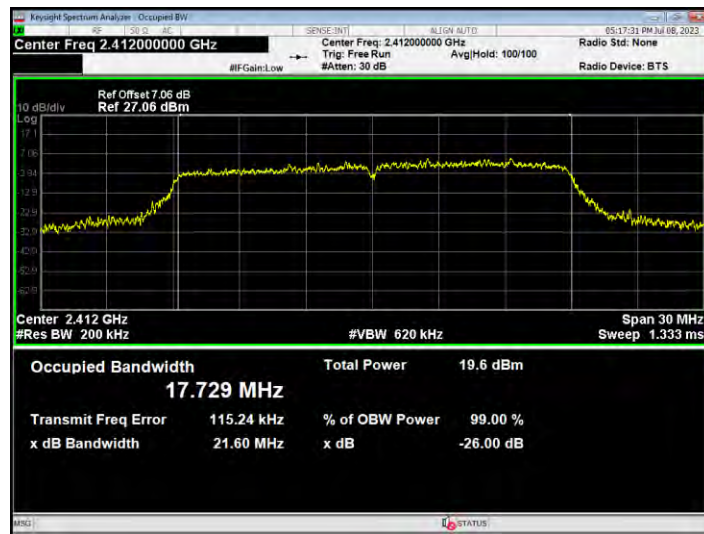
OBW NVNT g 2437MHz Ant1



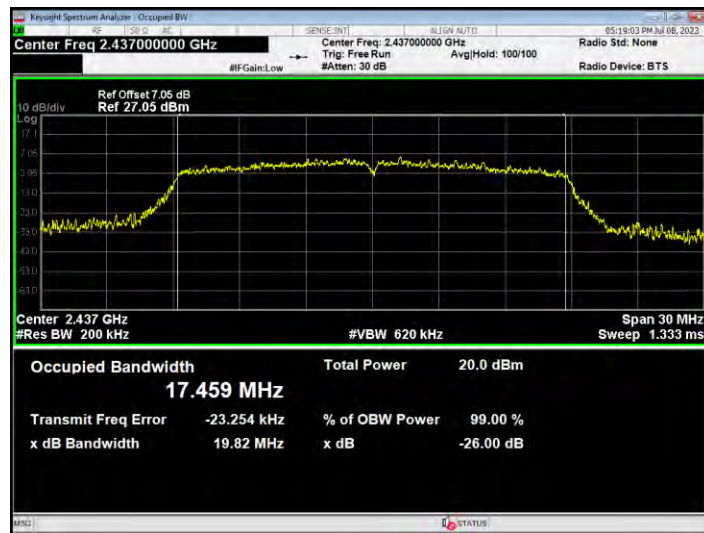
OBW NVNT g 2462MHz Ant1



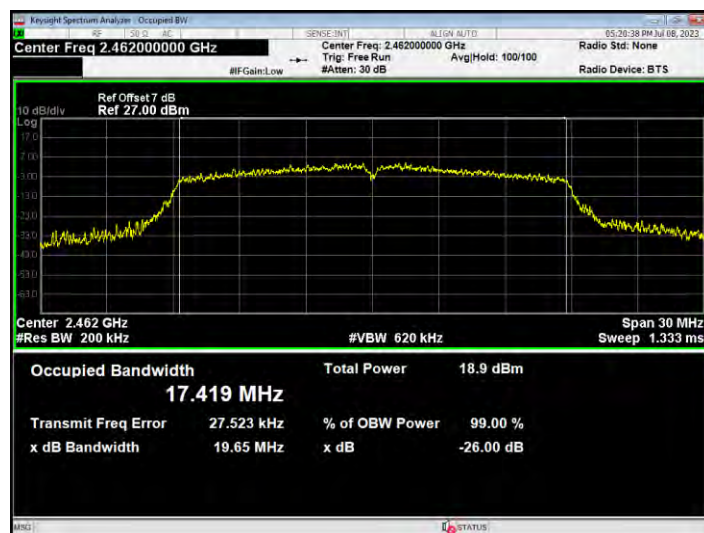
OBW NVNT n20 2412MHz Ant1



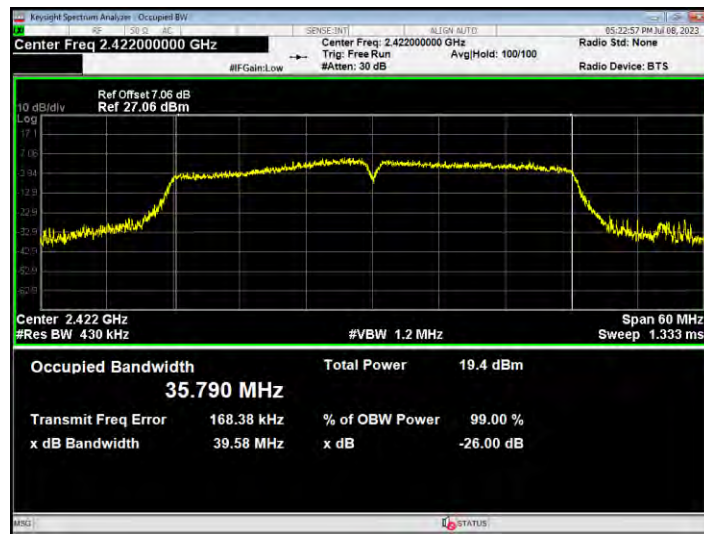
OBW NVNT n20 2437MHz Ant1



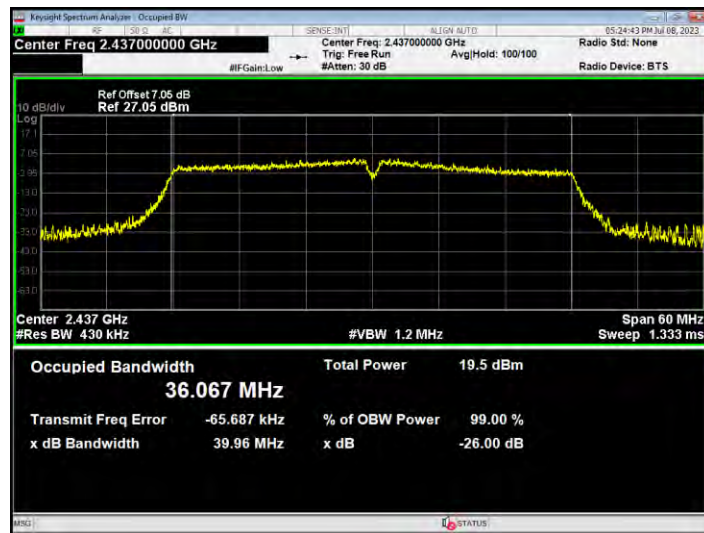
OBW NVNT n20 2462MHz Ant1



OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



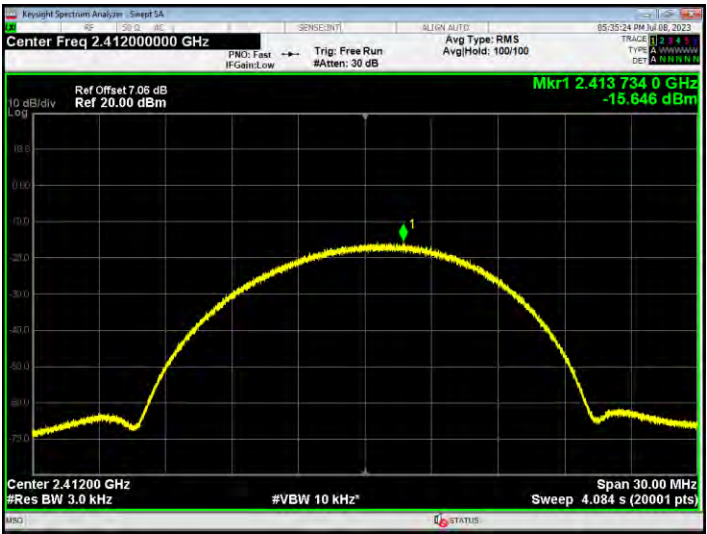
OBW NVNT n40 2452MHz Ant1



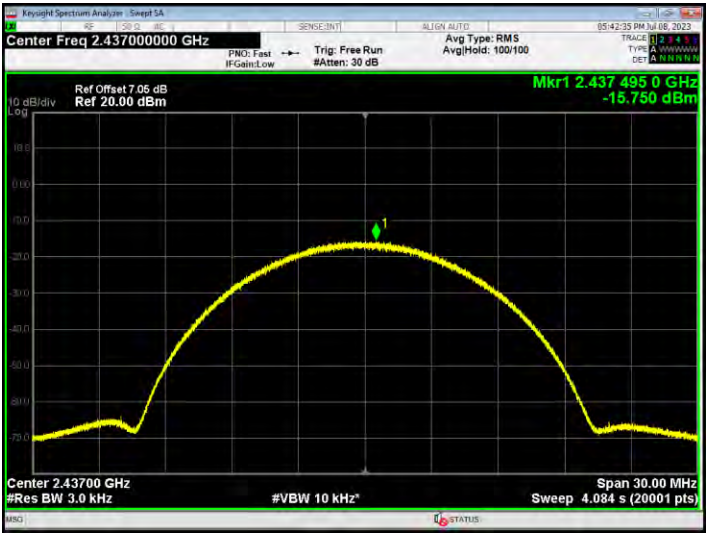
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-15.646	8	Pass
NVNT	b	2437	Ant1	-15.75	8	Pass
NVNT	b	2462	Ant1	-15.865	8	Pass
NVNT	g	2412	Ant1	-19.251	8	Pass
NVNT	g	2437	Ant1	-19.195	8	Pass
NVNT	g	2462	Ant1	-19.651	8	Pass
NVNT	n20	2412	Ant1	-19.708	8	Pass
NVNT	n20	2437	Ant1	-19.455	8	Pass
NVNT	n20	2462	Ant1	-19.952	8	Pass
NVNT	n40	2422	Ant1	-19.604	8	Pass
NVNT	n40	2437	Ant1	-20.327	8	Pass
NVNT	n40	2452	Ant1	-21.871	8	Pass

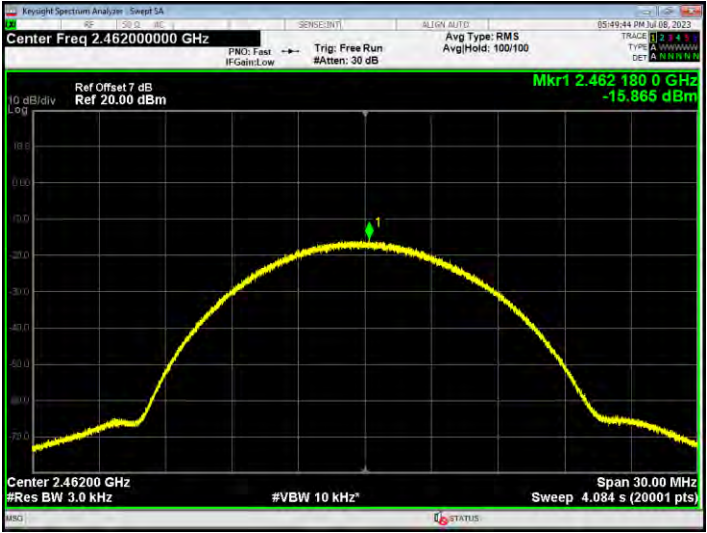
PSD NVNT b 2412MHz Ant1



PSD NVNT b 2437MHz Ant1



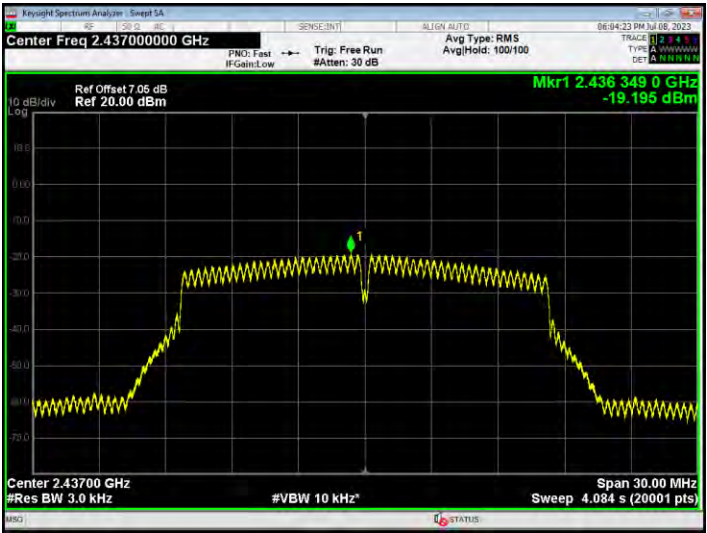
PSD NVNT b 2462MHz Ant1



PSD NVNT g 2412MHz Ant1



PSD NVNT g 2437MHz Ant1



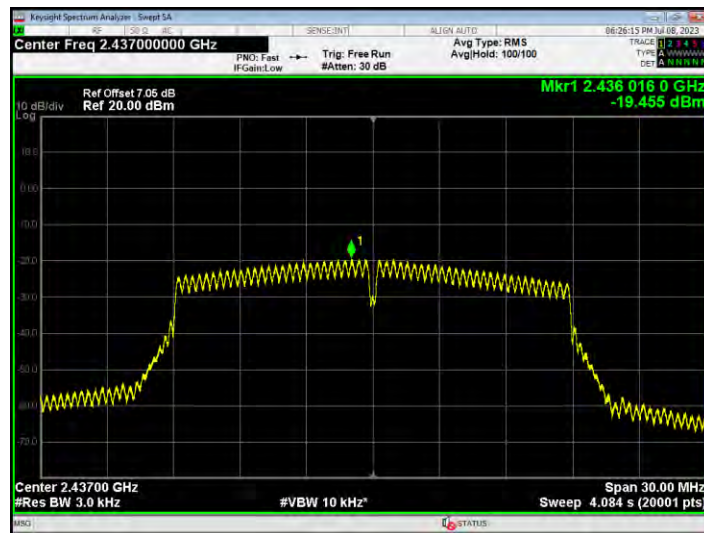
PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



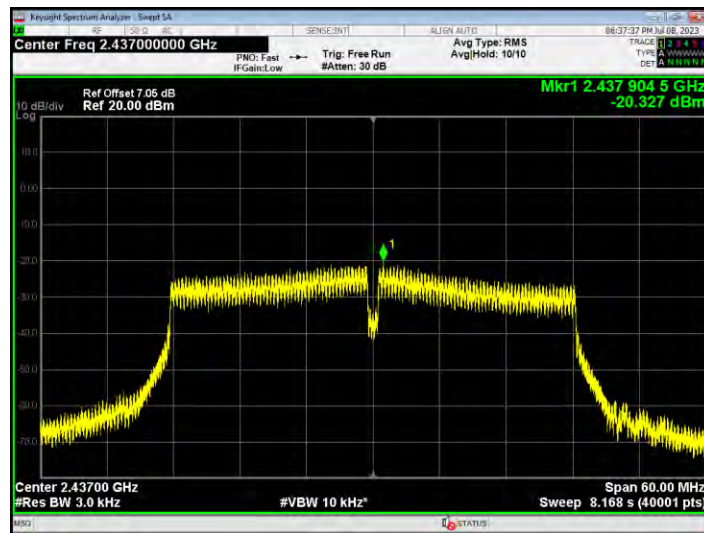
PSD NVNT n20 2462MHz Ant1



PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1



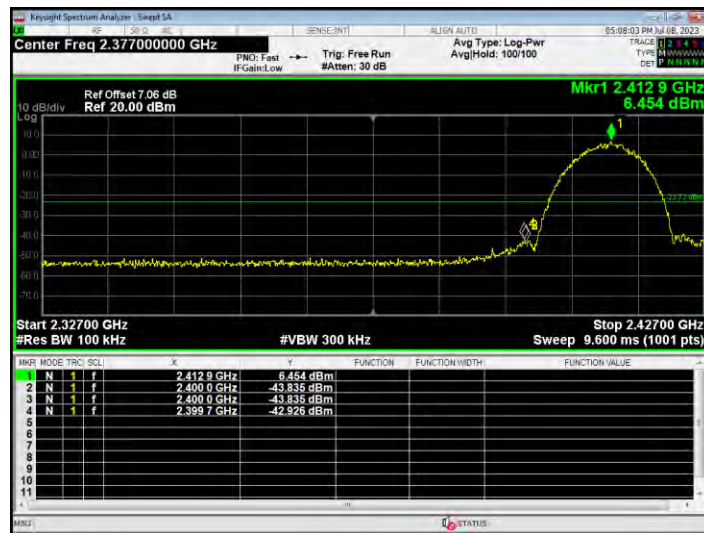
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-49.2	-30	Pass
NVNT	b	2462	Ant1	-57.12	-30	Pass
NVNT	g	2412	Ant1	-36.11	-30	Pass
NVNT	g	2462	Ant1	-51.49	-30	Pass
NVNT	n20	2412	Ant1	-31.77	-30	Pass
NVNT	n20	2462	Ant1	-52.83	-30	Pass
NVNT	n40	2422	Ant1	-33.08	-30	Pass
NVNT	n40	2452	Ant1	-44.94	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref



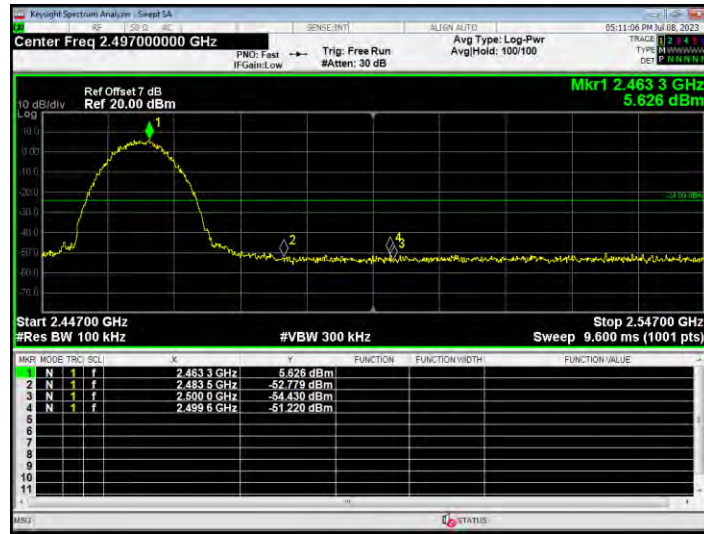
Band Edge NVNT b 2412MHz Ant1 Emission



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



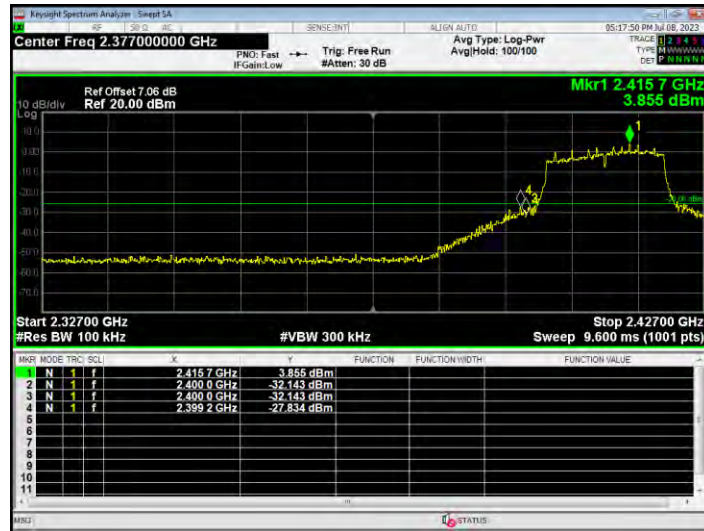
Band Edge NVNT g 2462MHz Ant1 Emission



Band Edge NVNT n20 2412MHz Ant1 Ref



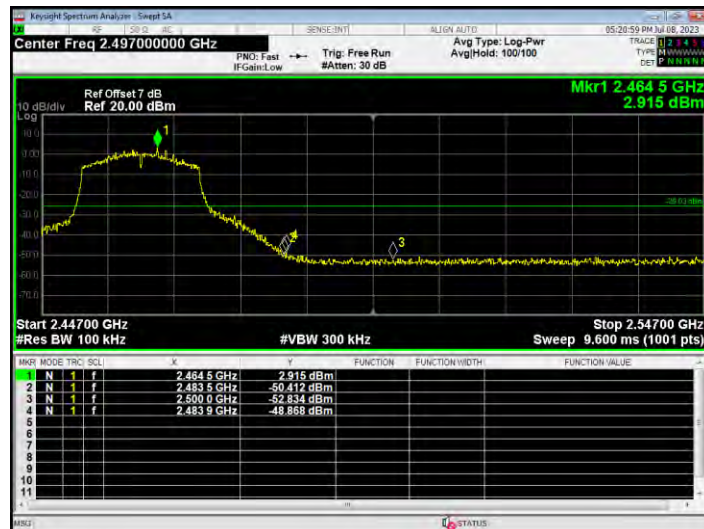
Band Edge NVNT n20 2412MHz Ant1 Emission



Band Edge NVNT n20 2462MHz Ant1 Ref



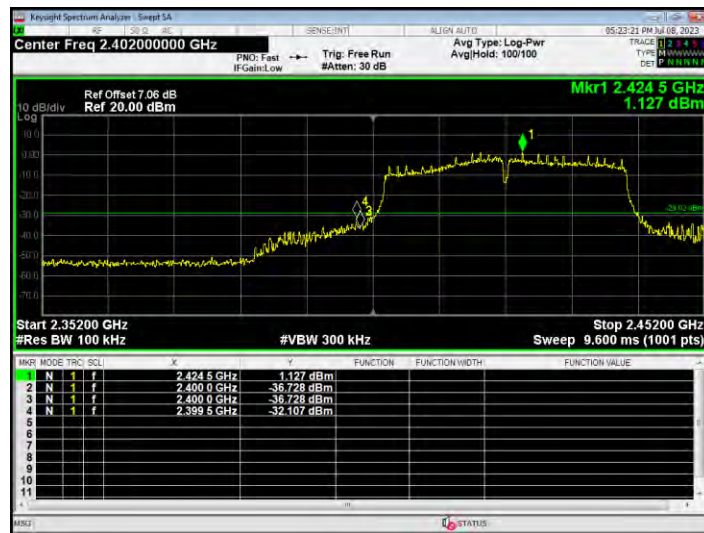
Band Edge NVNT n20 2462MHz Ant1 Emission



Band Edge NVNT n40 2422MHz Ant1 Ref



Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



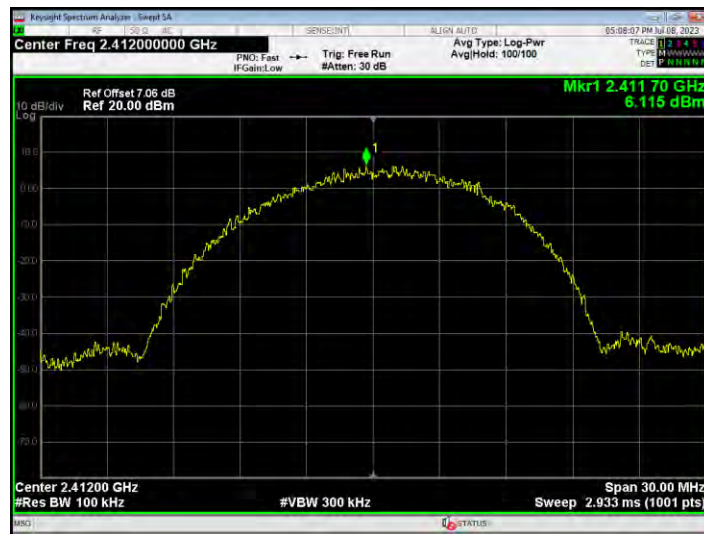
Band Edge NVNT n40 2452MHz Ant1 Emission



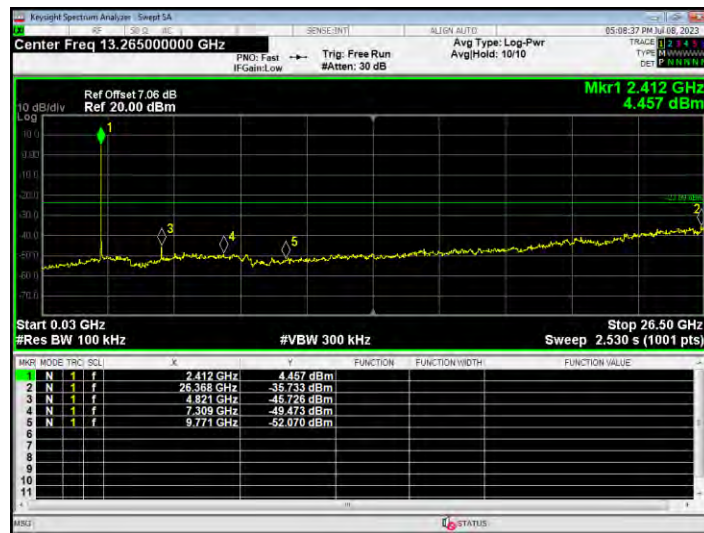
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-41.85	-30	Pass
NVNT	b	2437	Ant1	-42.96	-30	Pass
NVNT	b	2462	Ant1	-43.68	-30	Pass
NVNT	g	2412	Ant1	-39.57	-30	Pass
NVNT	g	2437	Ant1	-40.94	-30	Pass
NVNT	g	2462	Ant1	-38.17	-30	Pass
NVNT	n20	2412	Ant1	-39.67	-30	Pass
NVNT	n20	2437	Ant1	-40.42	-30	Pass
NVNT	n20	2462	Ant1	-40.46	-30	Pass
NVNT	n40	2422	Ant1	-37.56	-30	Pass
NVNT	n40	2437	Ant1	-37.65	-30	Pass
NVNT	n40	2452	Ant1	-36.88	-30	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref



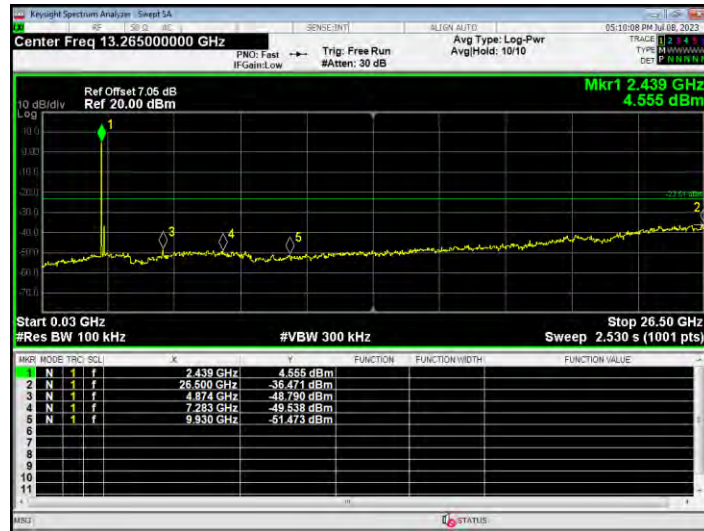
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Tx. Spurious NVNT b 2437MHz Ant1 Ref



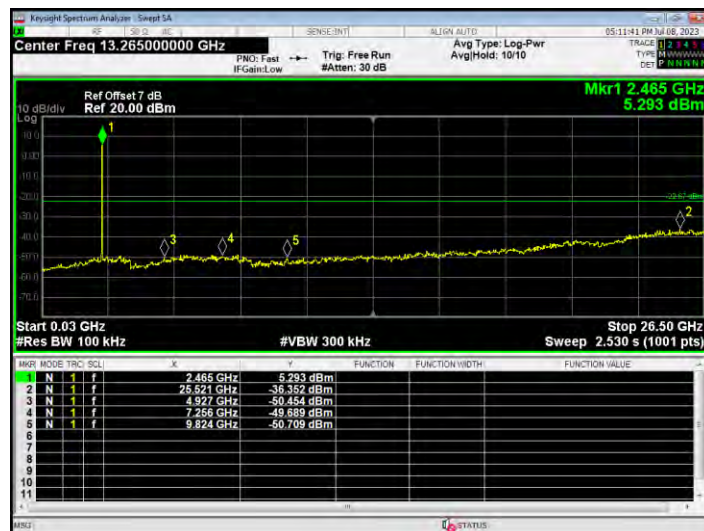
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref



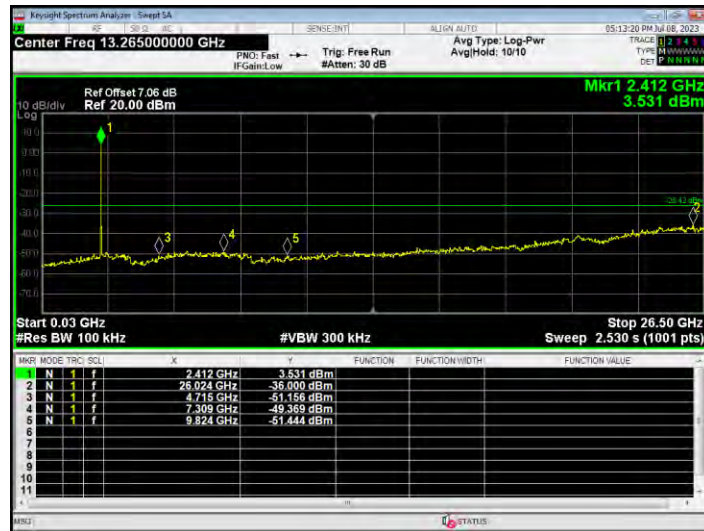
Tx. Spurious NVNT b 2462MHz Ant1 Emission



Tx. Spurious NVNT g 2412MHz Ant1 Ref



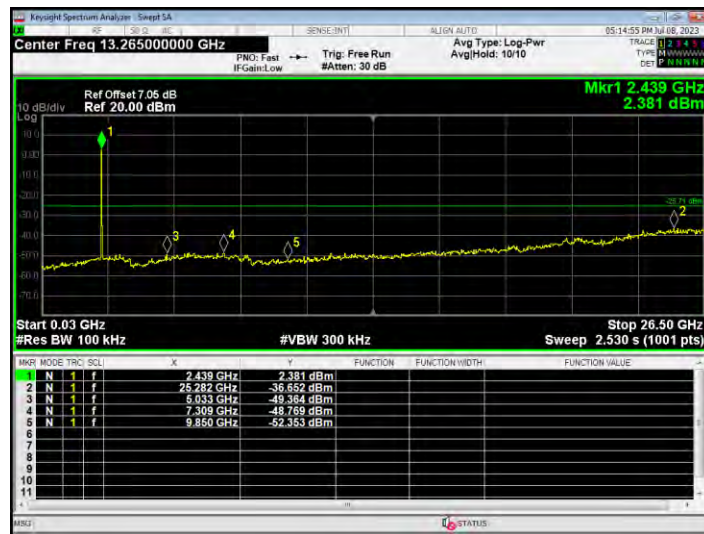
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Tx. Spurious NVNT g 2437MHz Ant1 Ref



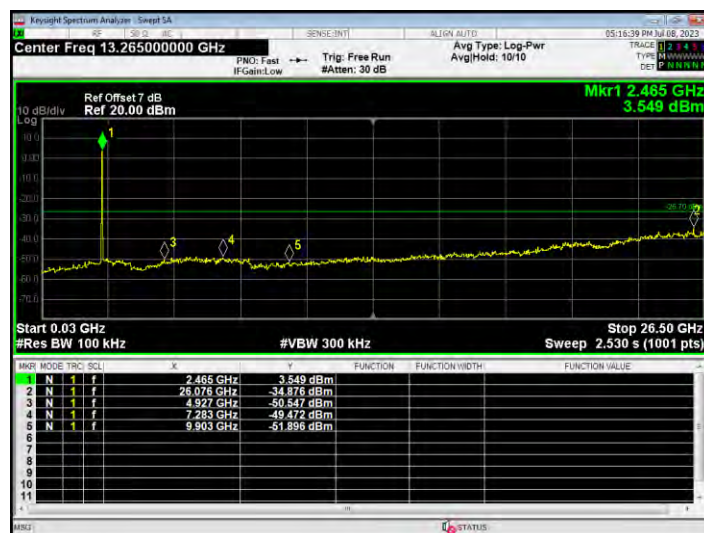
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Tx. Spurious NVNT g 2462MHz Ant1 Ref



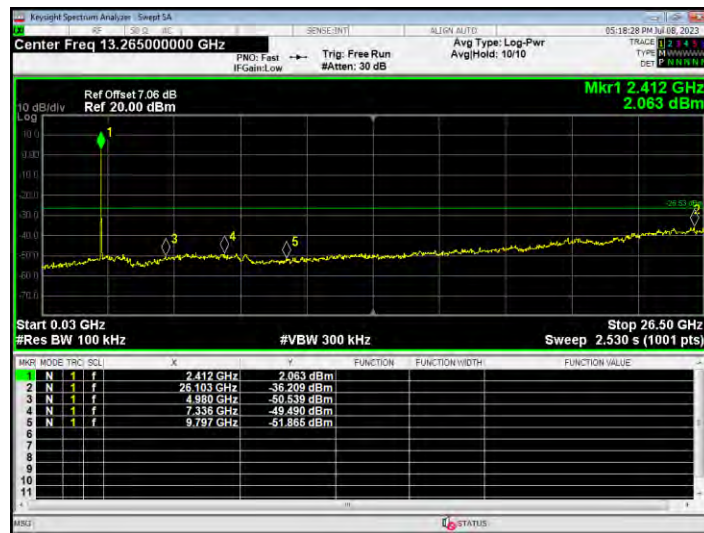
Tx. Spurious NVNT g 2462MHz Ant1 Emission



Tx. Spurious NVNT n20 2412MHz Ant1 Ref



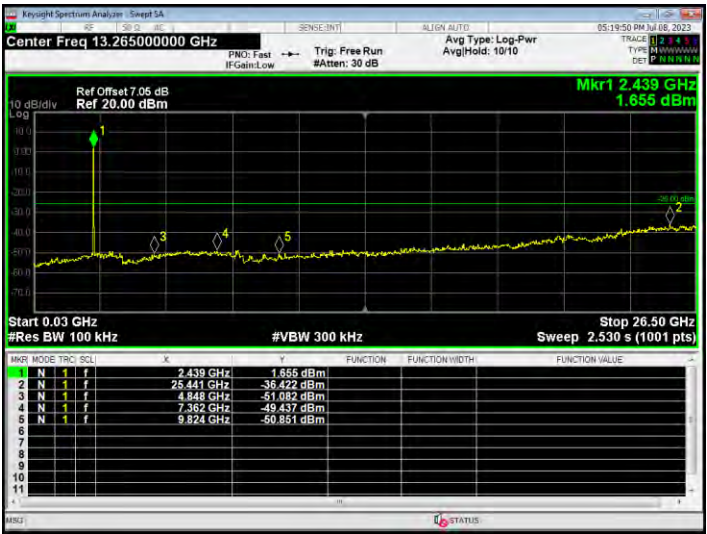
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Tx. Spurious NVNT n20 2437MHz Ant1 Ref



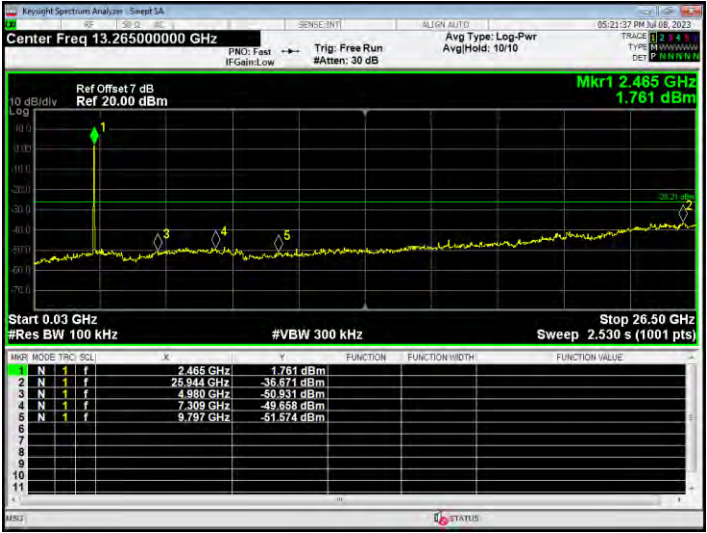
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



Tx. Spurious NVNT n20 2462MHz Ant1 Ref



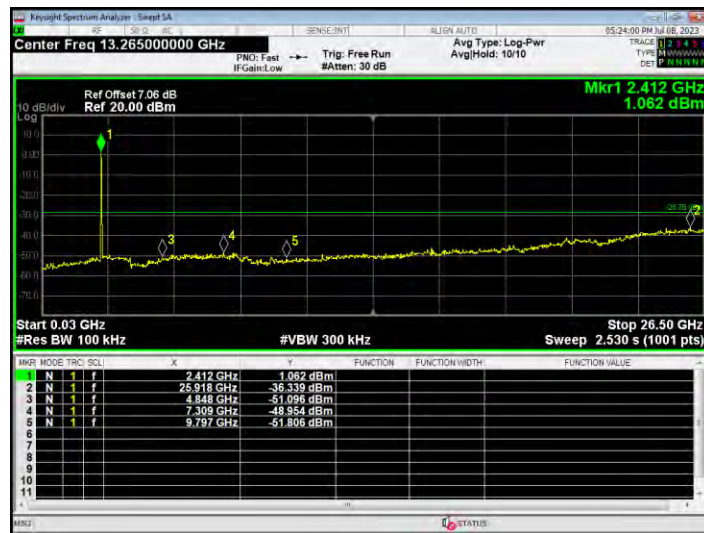
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



Tx. Spurious NVNT n40 2422MHz Ant1 Ref



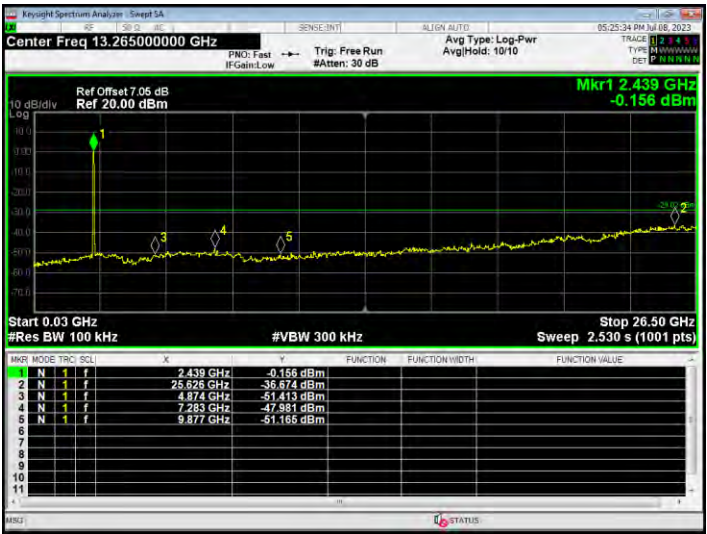
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



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

