

ANNEX

FCC Part 15C Test Report

FCC ID: 2AJDD-MAXIBT300

Applicant: SHENZHEN FCAR TECHNOLOGY CO.,LTD

Address: 8th floor, Chuangyi Building, No. 3025 Nanhai Ave., Nanshan, Shenzhen, Guangdong, China 518060

Manufacturer: SHENZHEN FCAR TECHNOLOGY CO.,LTD

Address: 8th floor, Chuangyi Building, No. 3025 Nanhai Ave., Nanshan, Shenzhen, Guangdong, China 518060

EUT: VCI

Trade Mark: FCAR

Model Number: FV300
FV301, FV302, FV303, FV304, FV305, FV200, FV201, FV202, FV203, FV204, FV205, FV500, FV501, FV502, FV503, FV504, FV505

Date of Receipt: Aug. 12, 2023

Test Date: Aug. 12, 2023 - Aug. 24, 2023

Date of Report: Aug. 24, 2023

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

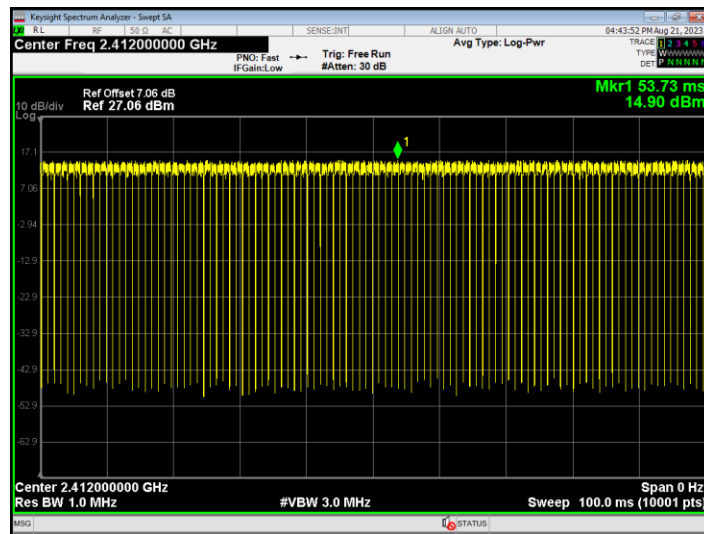
Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China

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

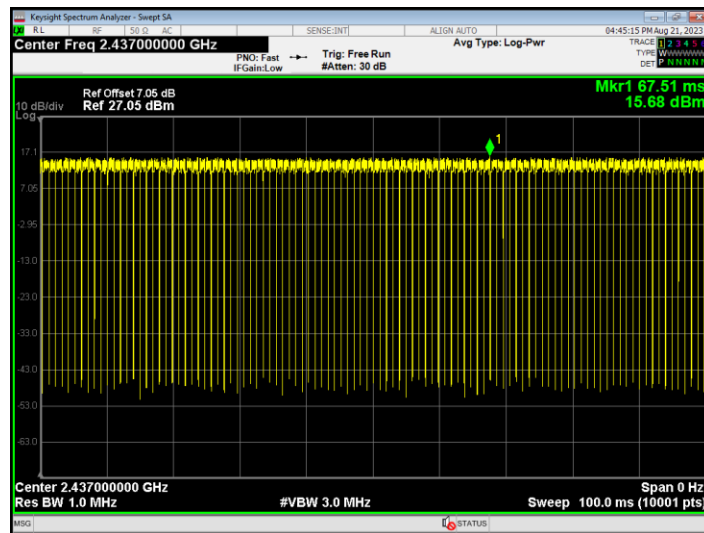
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	97.28	0.12
NVNT	b	2437	Ant1	97.29	0.12
NVNT	b	2462	Ant1	97.32	0.12
NVNT	g	2412	Ant1	85.35	0.69
NVNT	g	2437	Ant1	85.31	0.69
NVNT	g	2462	Ant1	85.28	0.69
NVNT	n20	2412	Ant1	97.59	0.11
NVNT	n20	2437	Ant1	97.62	0.1
NVNT	n20	2462	Ant1	97.57	0.11
NVNT	n40	2422	Ant1	95.36	0.21
NVNT	n40	2437	Ant1	95.31	0.21
NVNT	n40	2452	Ant1	95.3	0.21

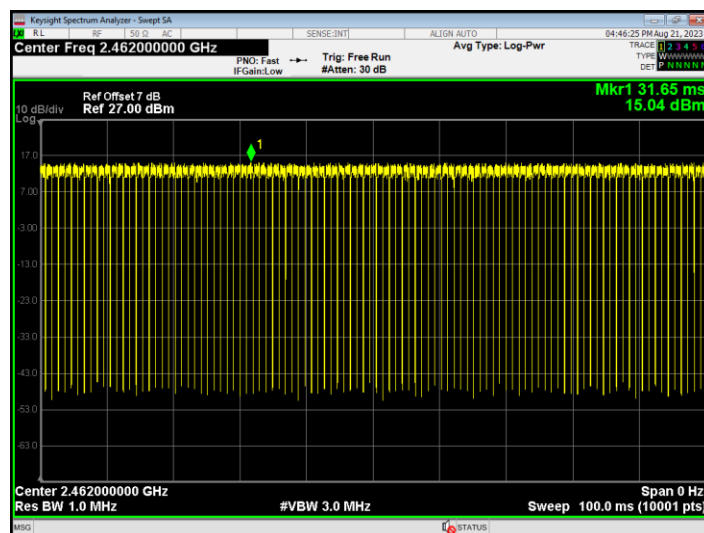
Duty Cycle NVNT b 2412MHz Ant1



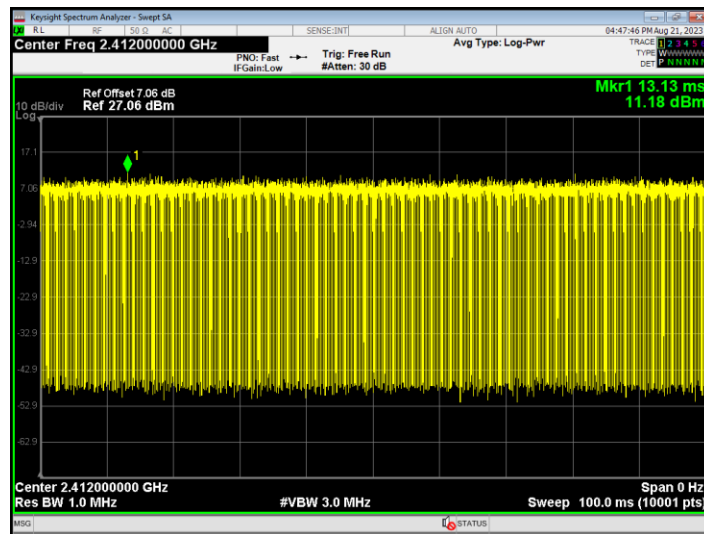
Duty Cycle NVNT b 2437MHz Ant1



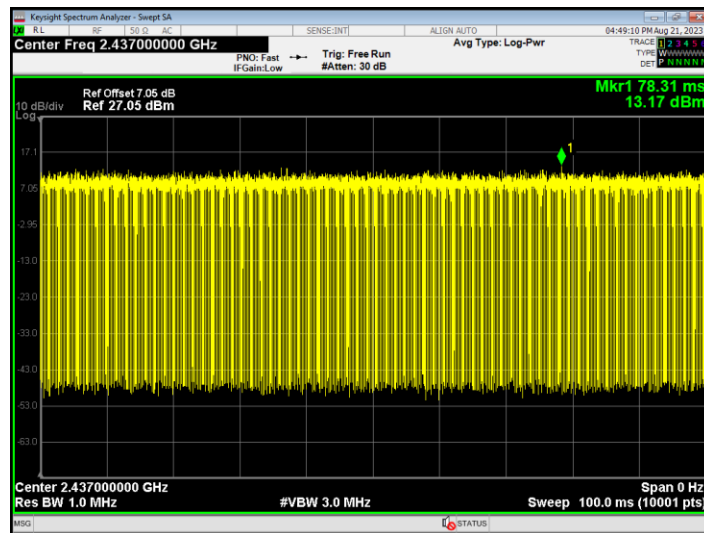
Duty Cycle NVNT b 2462MHz Ant1



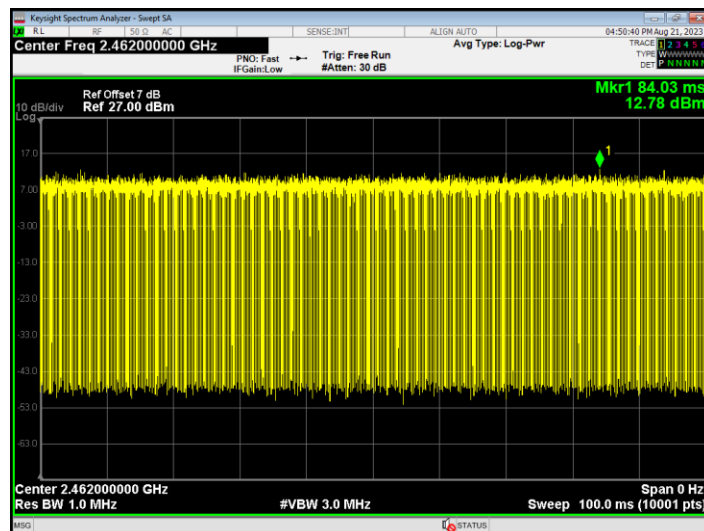
Duty Cycle NVNT g 2412MHz Ant1



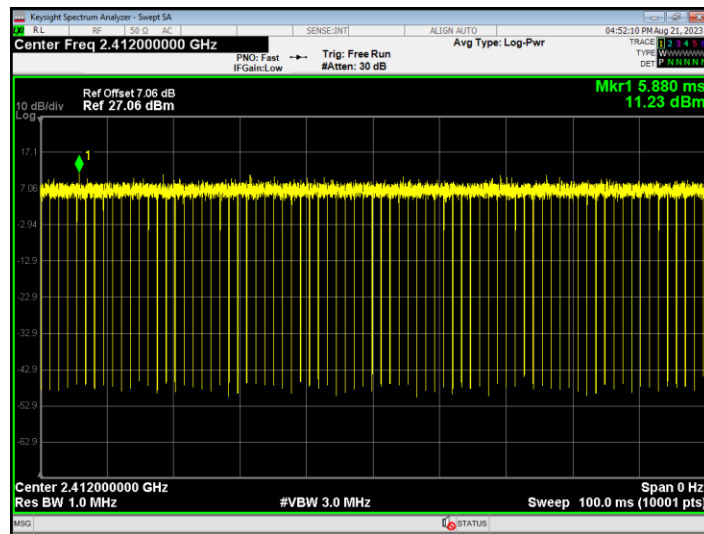
Duty Cycle NVNT g 2437MHz Ant1



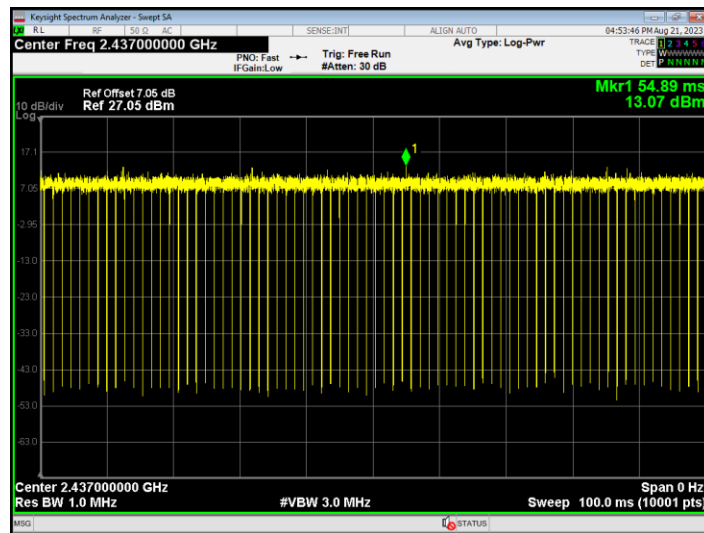
Duty Cycle NVNT g 2462MHz Ant1



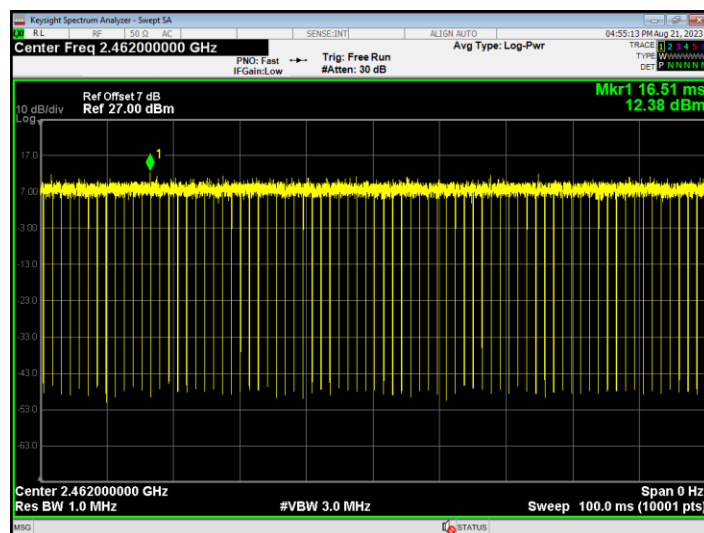
Duty Cycle NVNT n20 2412MHz Ant1



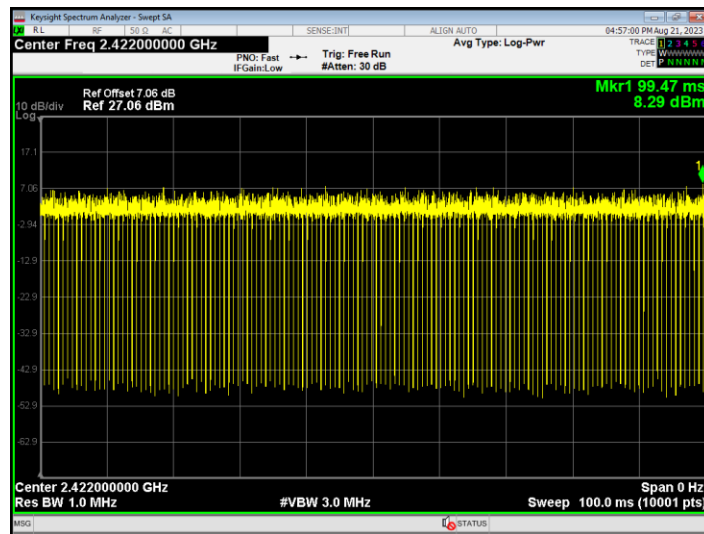
Duty Cycle NVNT n20 2437MHz Ant1



Duty Cycle NVNT n20 2462MHz Ant1



Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



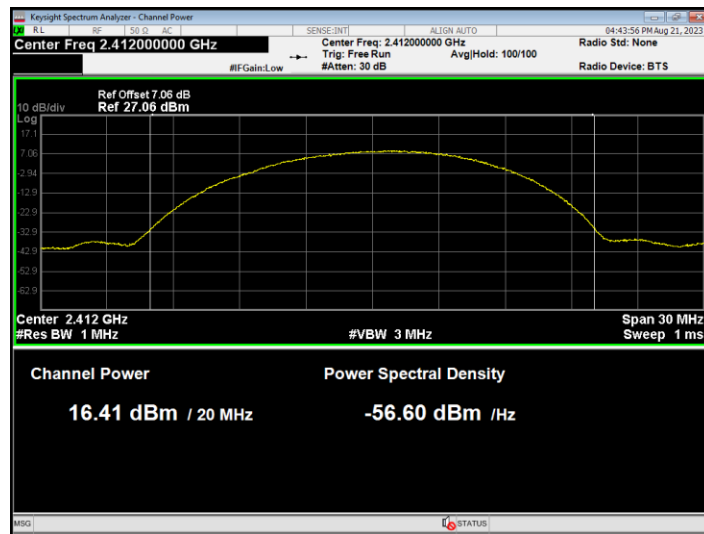
Duty Cycle NVNT n40 2452MHz Ant1



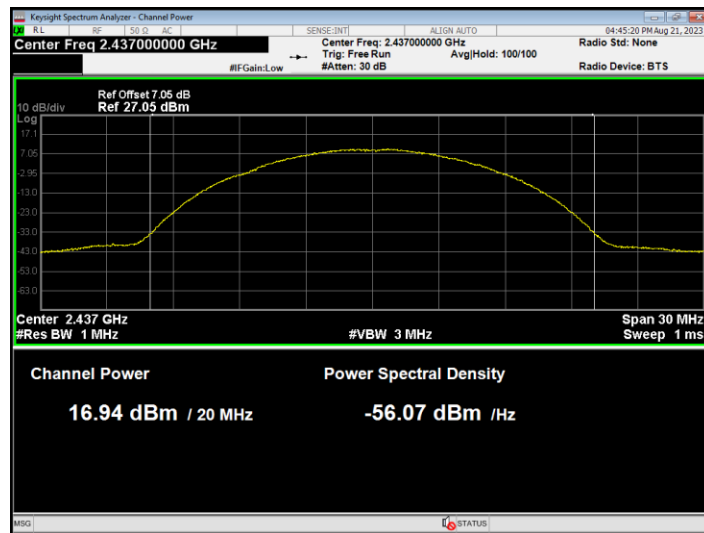
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.413	0.12	16.533	30	Pass
NVNT	b	2437	Ant1	16.939	0.12	17.059	30	Pass
NVNT	b	2462	Ant1	15.824	0.12	15.944	30	Pass
NVNT	g	2412	Ant1	13.045	0.69	13.735	30	Pass
NVNT	g	2437	Ant1	13.557	0.69	14.247	30	Pass
NVNT	g	2462	Ant1	12.675	0.69	13.365	30	Pass
NVNT	n20	2412	Ant1	14.062	0.11	14.172	30	Pass
NVNT	n20	2437	Ant1	14.376	0.1	14.476	30	Pass
NVNT	n20	2462	Ant1	13.547	0.11	13.657	30	Pass
NVNT	n40	2422	Ant1	13.67	0.21	13.88	30	Pass
NVNT	n40	2437	Ant1	13.76	0.21	13.97	30	Pass
NVNT	n40	2452	Ant1	12.98	0.21	13.19	30	Pass

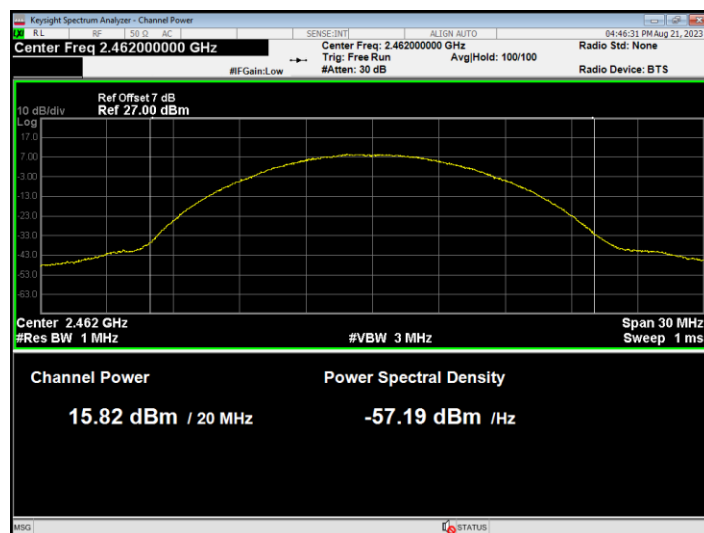
Power NVNT b 2412MHz Ant1



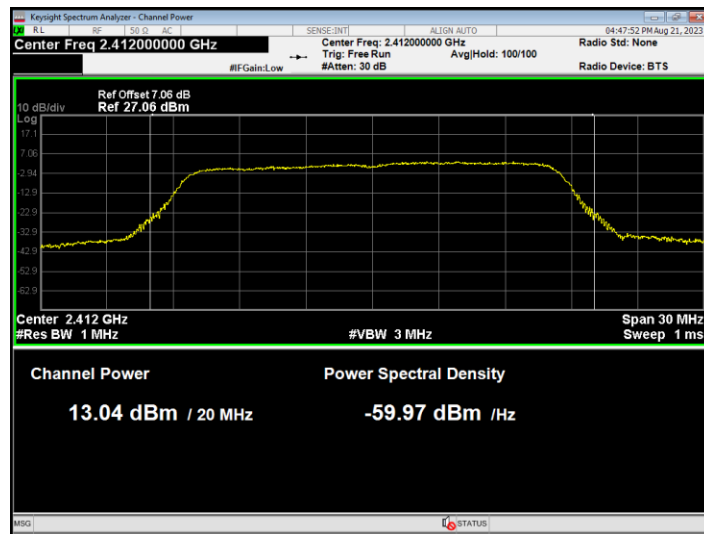
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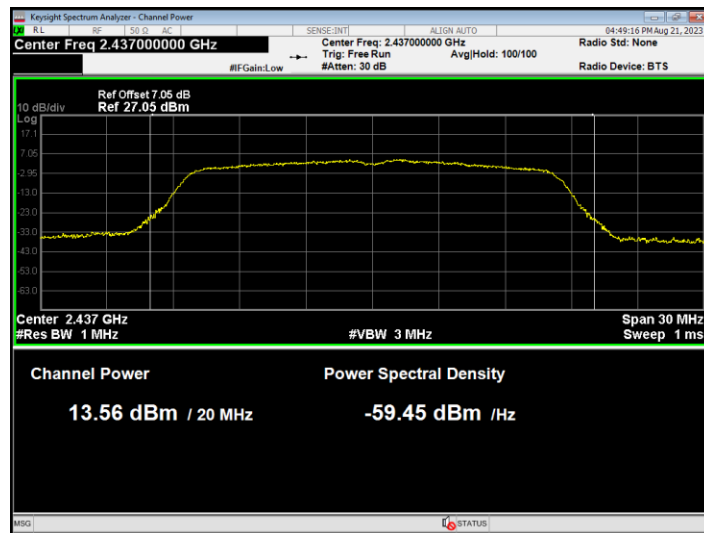
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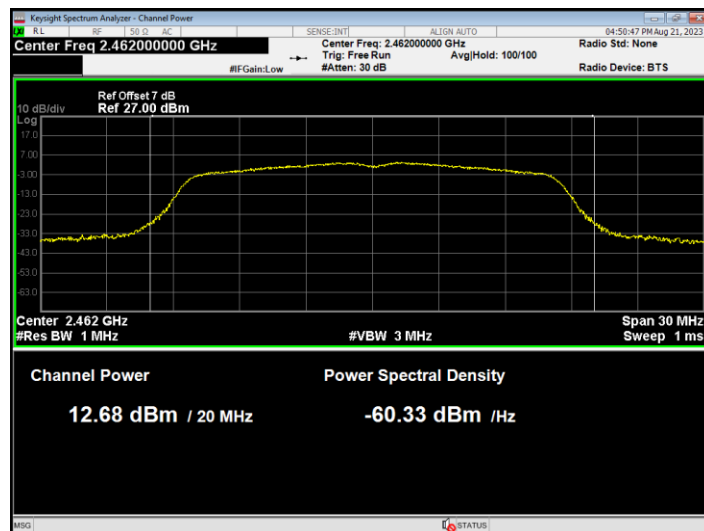
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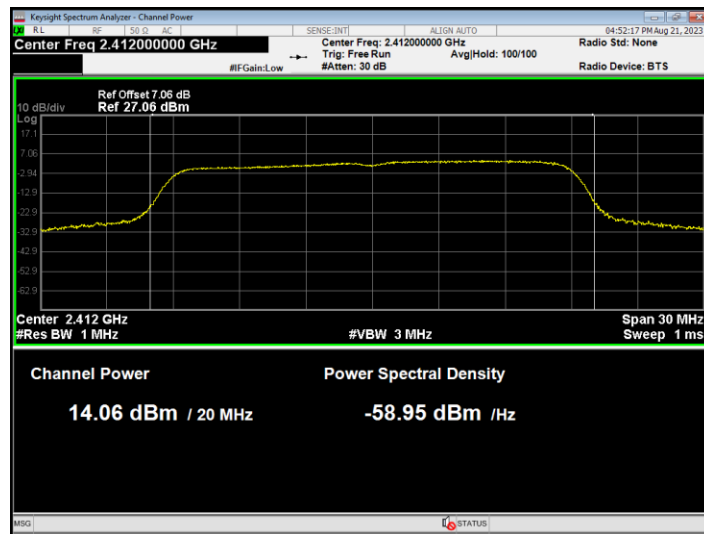
Power NVNT g 2437MHz Ant1



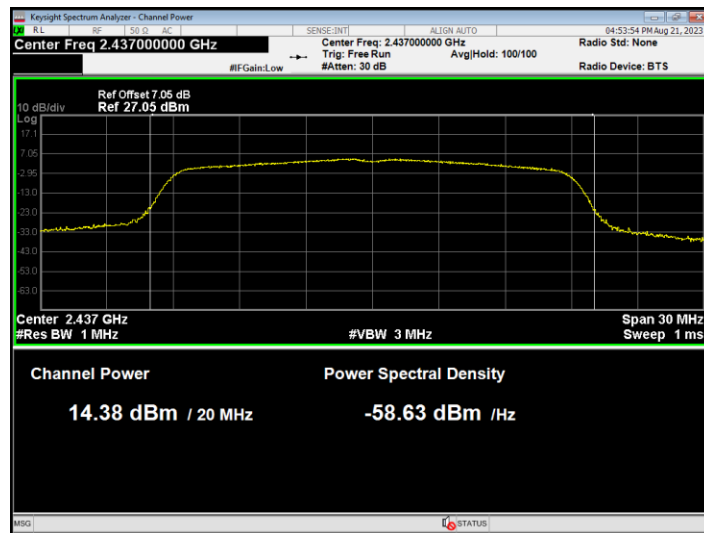
Power NVNT g 2462MHz Ant1



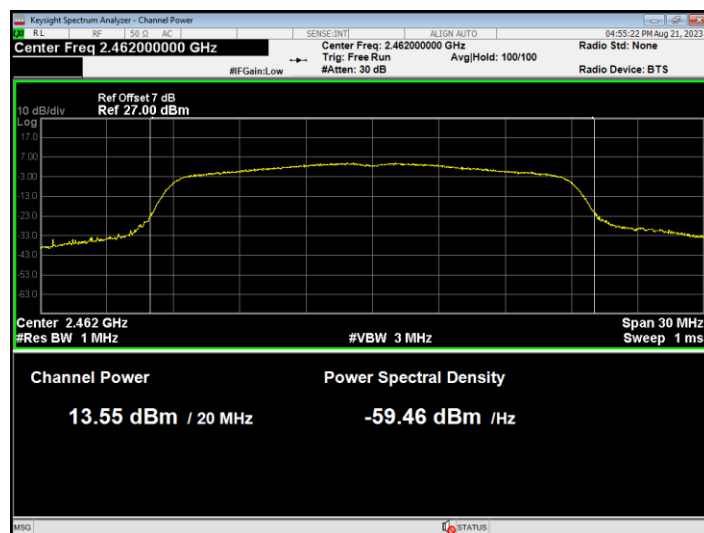
Power NVNT n20 2412MHz Ant1



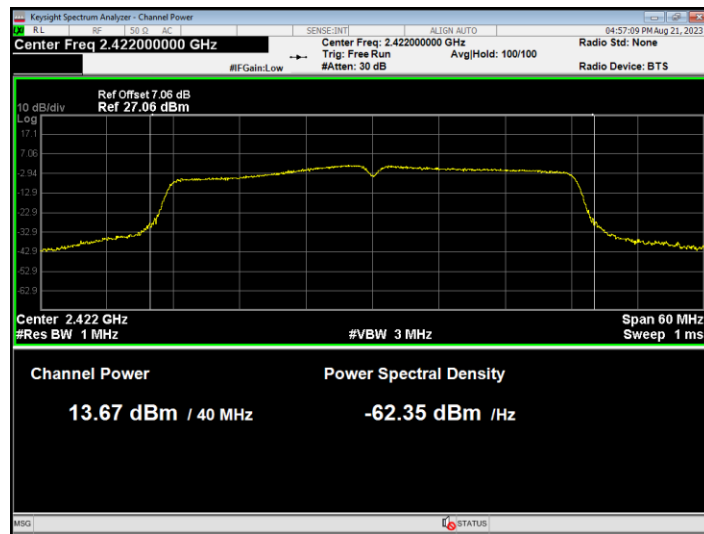
Power NVNT n20 2437MHz Ant1



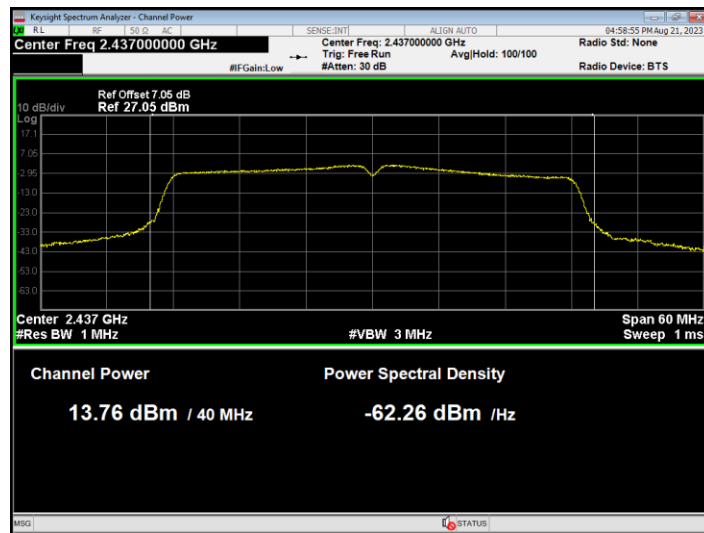
Power NVNT n20 2462MHz Ant1



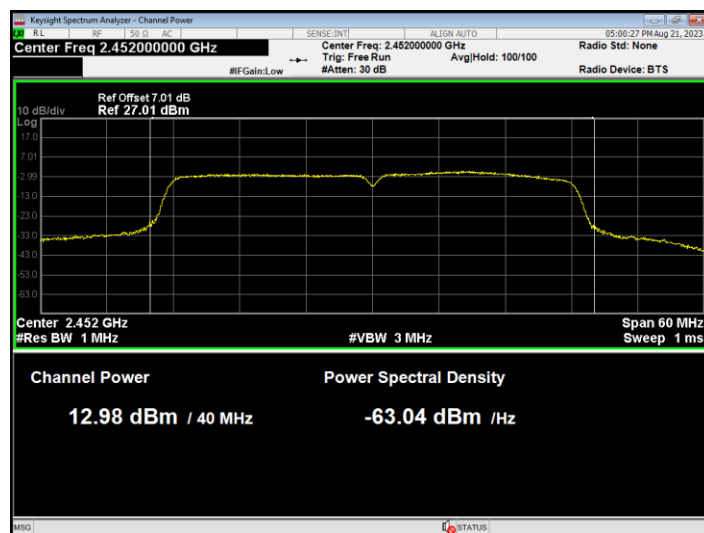
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



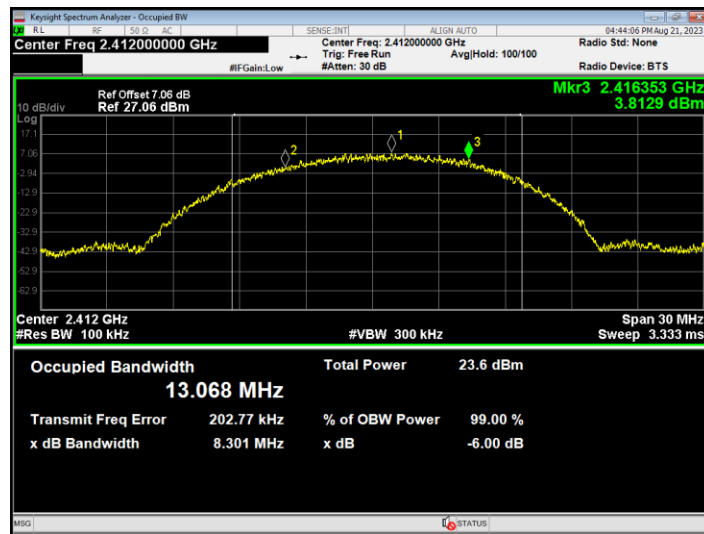
Power NVNT n40 2452MHz Ant1



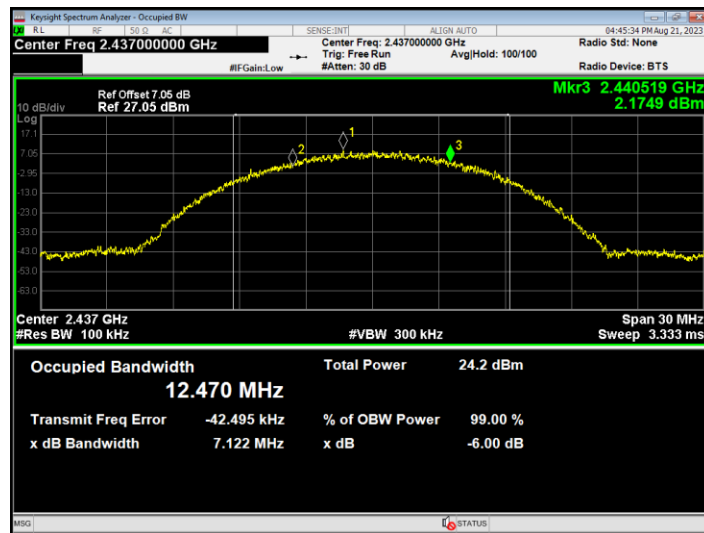
-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	8.301	0.5	Pass
NVNT	b	2437	Ant1	7.122	0.5	Pass
NVNT	b	2462	Ant1	6.972	0.5	Pass
NVNT	g	2412	Ant1	15.756	0.5	Pass
NVNT	g	2437	Ant1	15.091	0.5	Pass
NVNT	g	2462	Ant1	15.059	0.5	Pass
NVNT	n20	2412	Ant1	16.329	0.5	Pass
NVNT	n20	2437	Ant1	14.453	0.5	Pass
NVNT	n20	2462	Ant1	13.855	0.5	Pass
NVNT	n40	2422	Ant1	28.786	0.5	Pass
NVNT	n40	2437	Ant1	33.816	0.5	Pass
NVNT	n40	2452	Ant1	35.047	0.5	Pass

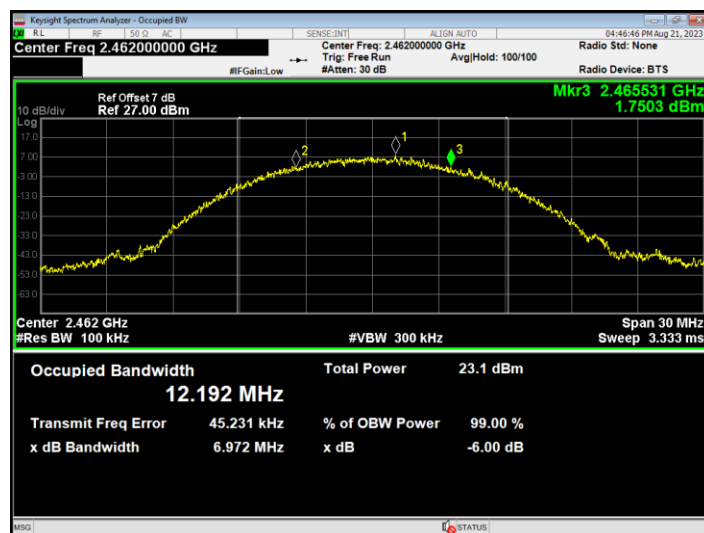
-6dB Bandwidth NVNT b 2412MHz Ant1



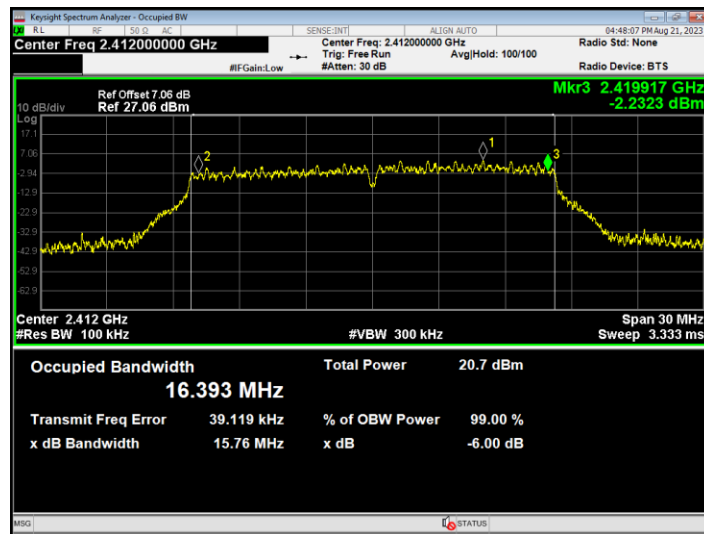
-6dB Bandwidth NVNT b 2437MHz Ant1



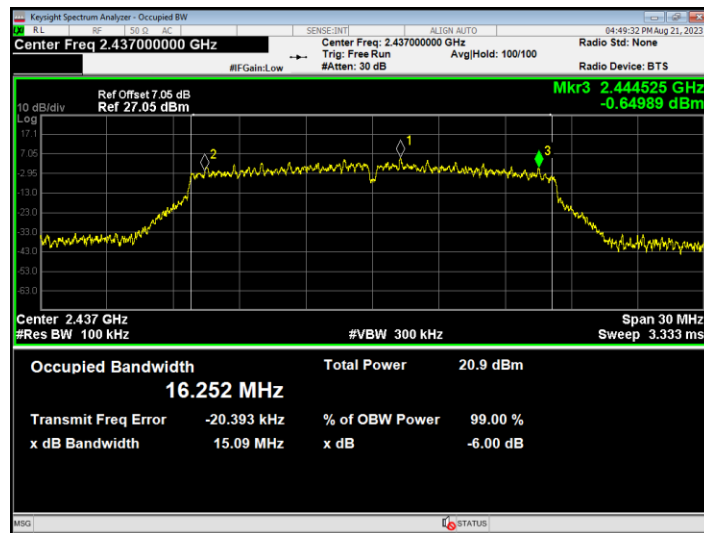
-6dB Bandwidth NVNT b 2462MHz Ant1



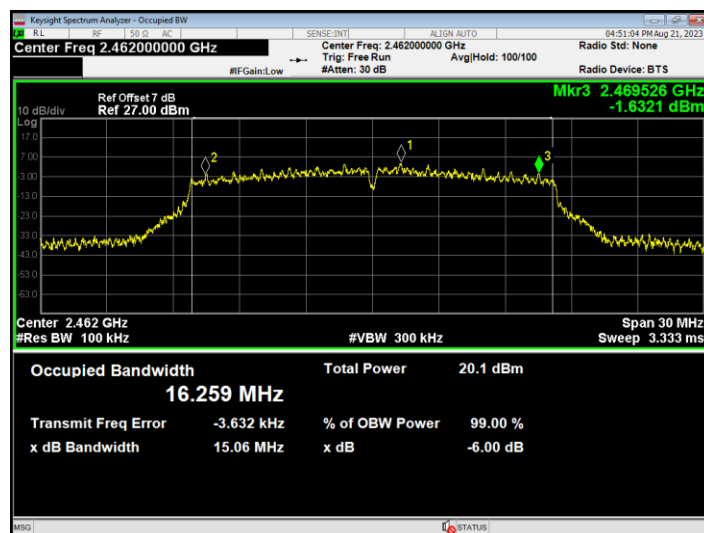
-6dB Bandwidth NVNT g 2412MHz Ant1



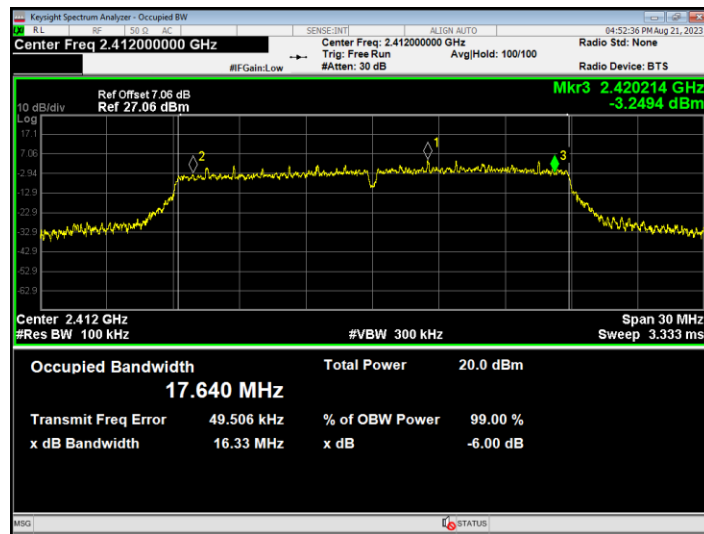
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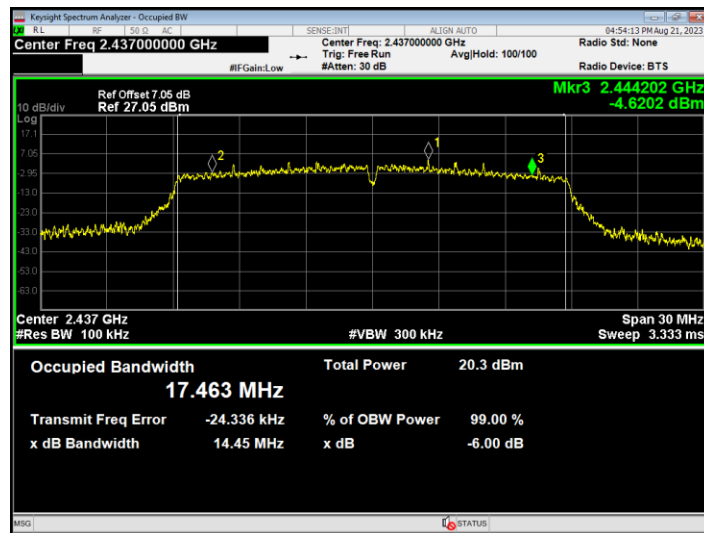
-6dB Bandwidth NVNT g 2462MHz Ant1



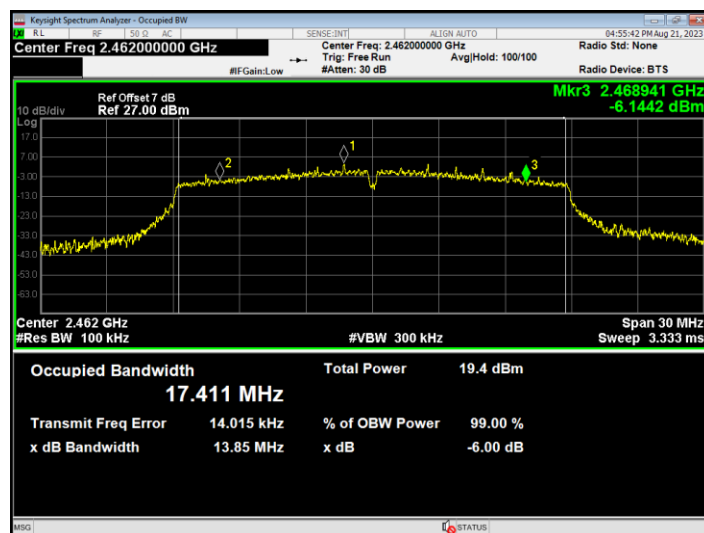
-6dB Bandwidth NVNT n20 2412MHz Ant1



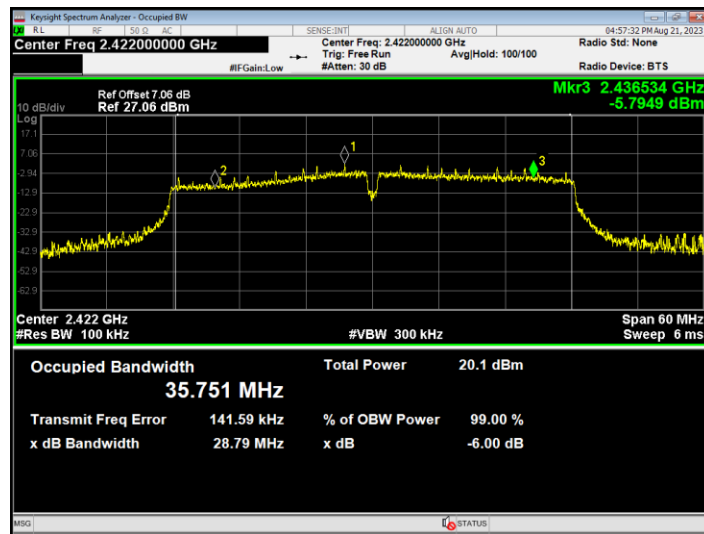
-6dB Bandwidth NVNT n20 2437MHz Ant1



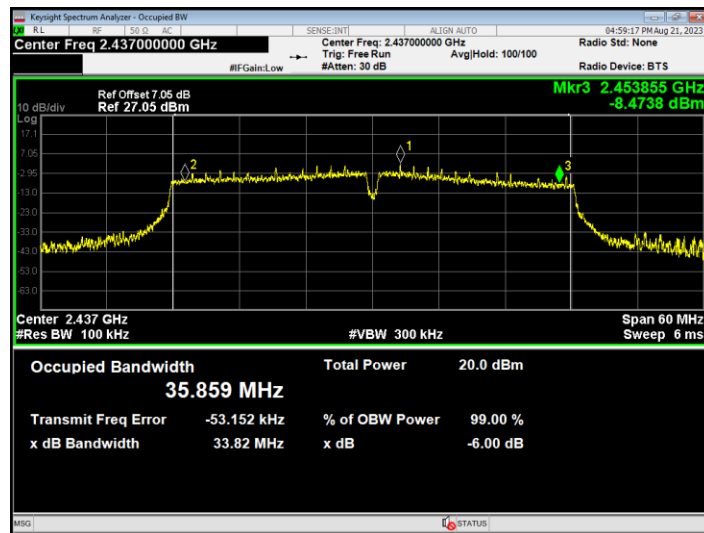
-6dB Bandwidth NVNT n20 2462MHz Ant1



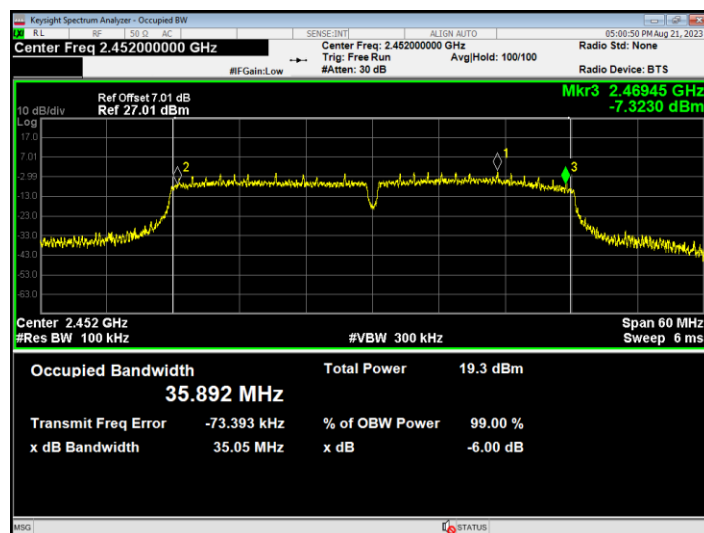
-6dB Bandwidth NVNT n40 2422MHz Ant1



-6dB Bandwidth NVNT n40 2437MHz Ant1



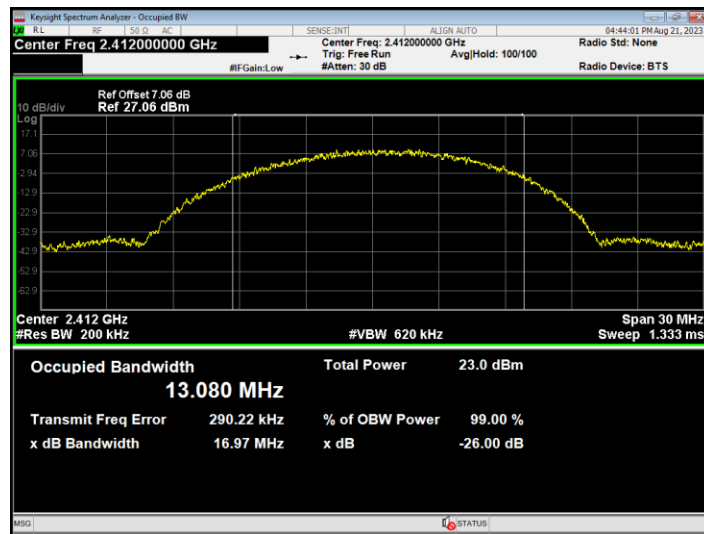
-6dB Bandwidth NVNT n40 2452MHz Ant1



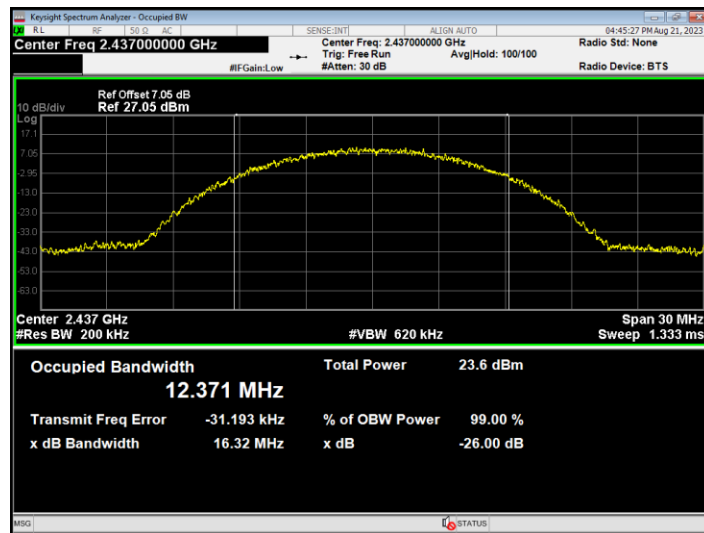
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.08044342
NVNT	b	2437	Ant1	12.37059958
NVNT	b	2462	Ant1	12.10622364
NVNT	g	2412	Ant1	16.46602371
NVNT	g	2437	Ant1	16.29722837
NVNT	g	2462	Ant1	16.23077634
NVNT	n20	2412	Ant1	17.71655357
NVNT	n20	2437	Ant1	17.45771097
NVNT	n20	2462	Ant1	17.39395818
NVNT	n40	2422	Ant1	35.86992891
NVNT	n40	2437	Ant1	35.92033433
NVNT	n40	2452	Ant1	36.01538082

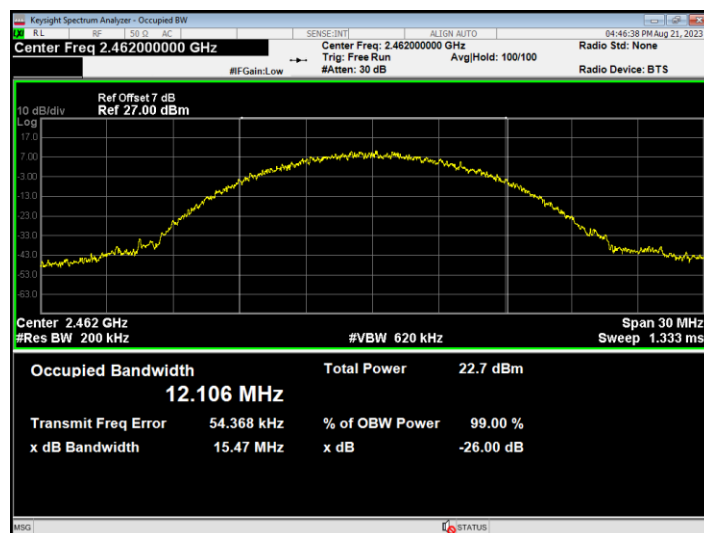
OBW NVNT b 2412MHz Ant1



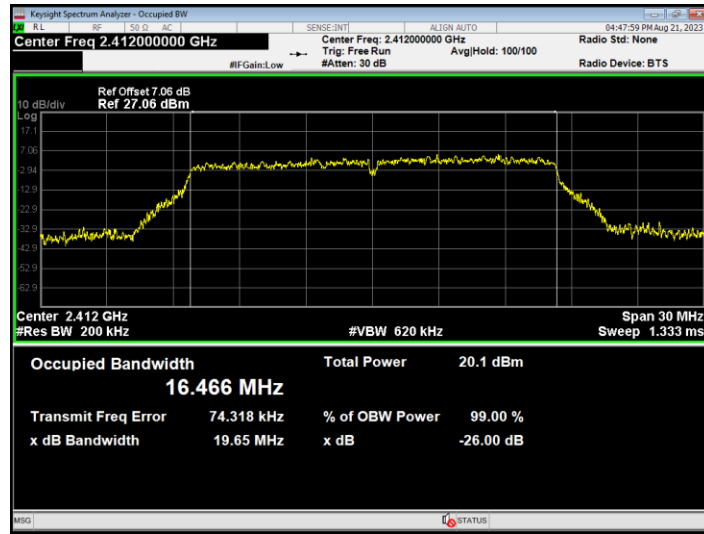
OBW NVNT b 2437MHz Ant1



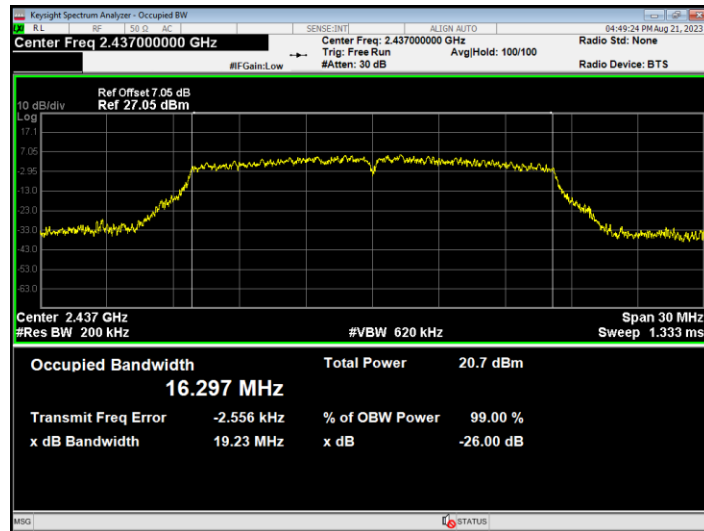
OBW NVNT b 2462MHz Ant1



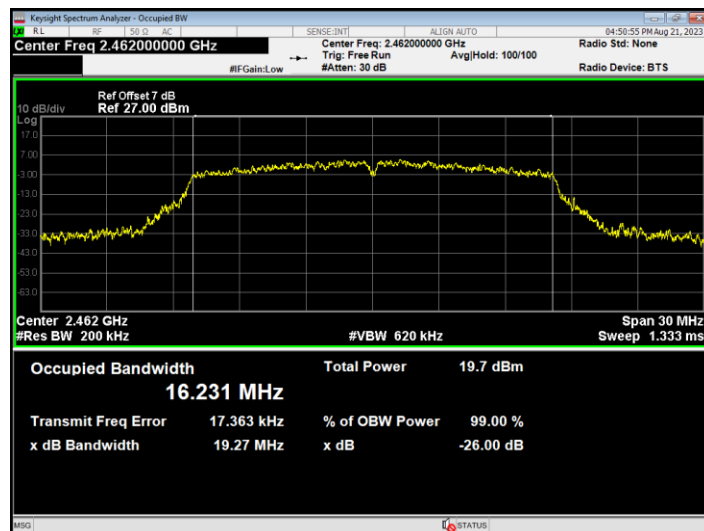
OBW NVNT g 2412MHz Ant1



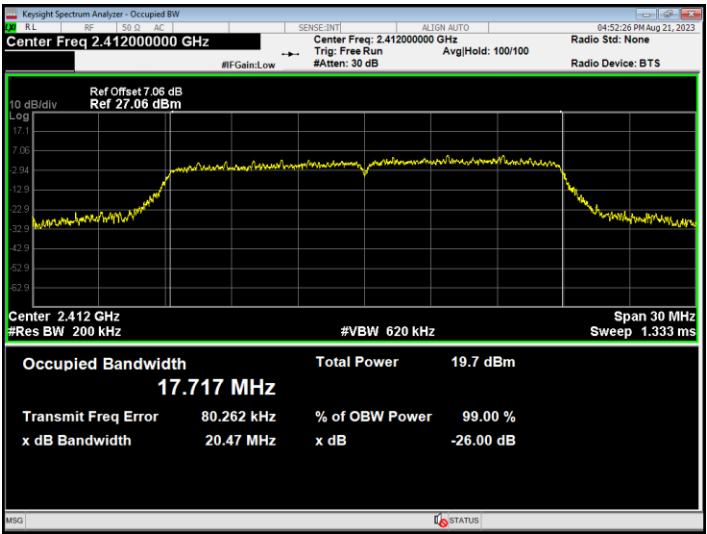
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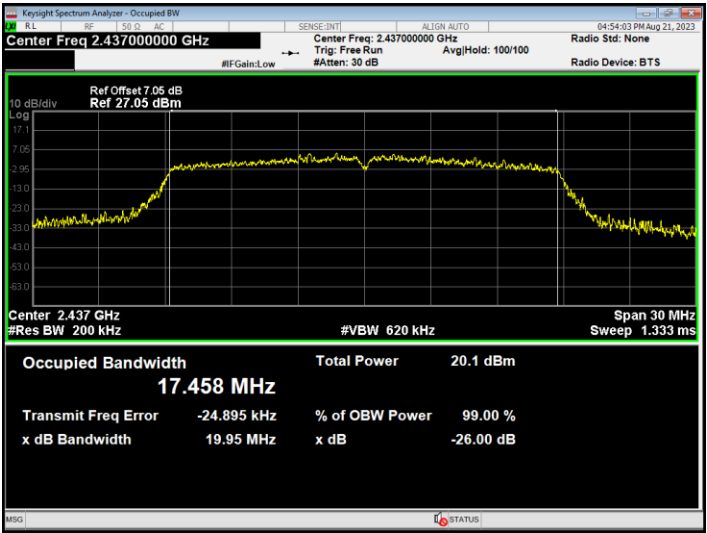
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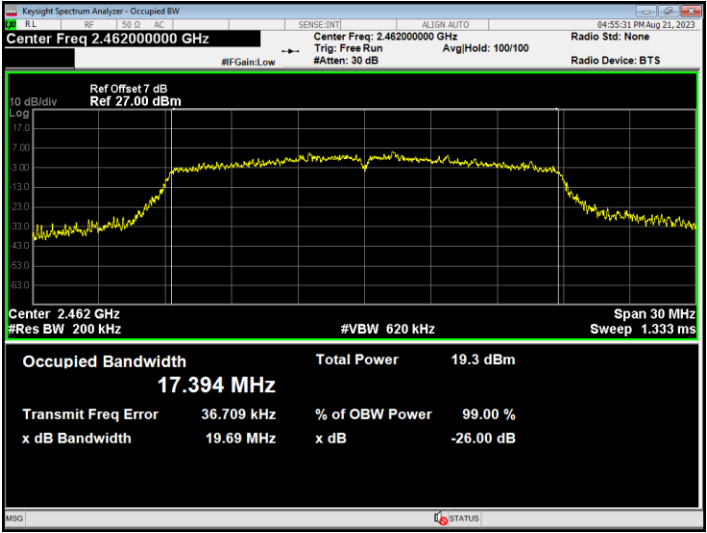
OBW NVNT n20 2412MHz Ant1



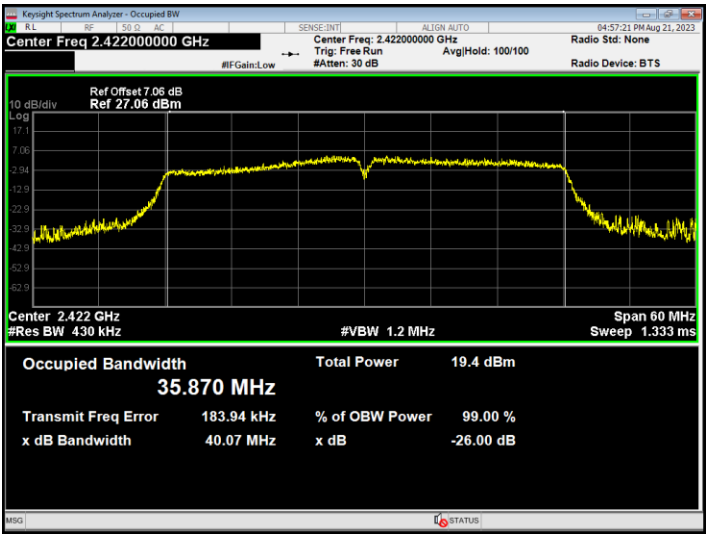
OBW NVNT n20 2437MHz Ant1



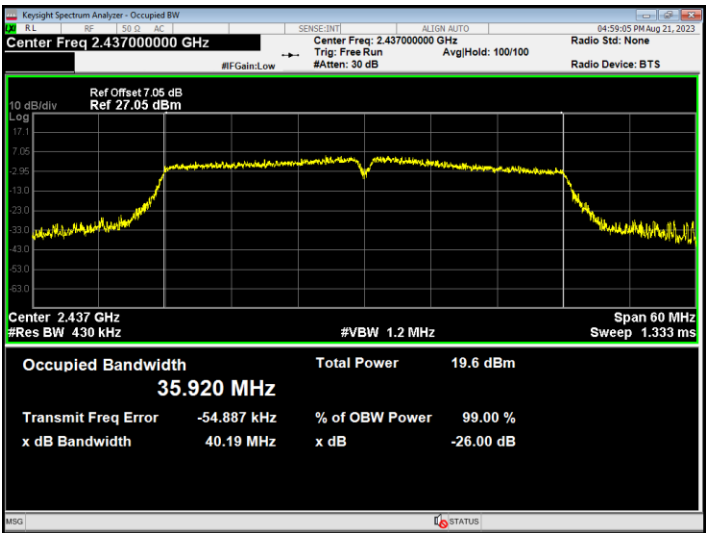
OBW NVNT n20 2462MHz Ant1



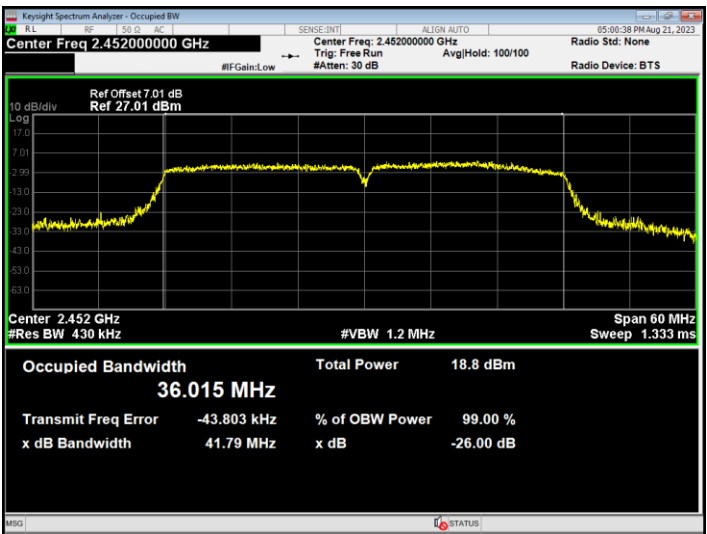
OBW NVNT n40 2422MHz Ant1



OBW NVNT n40 2437MHz Ant1



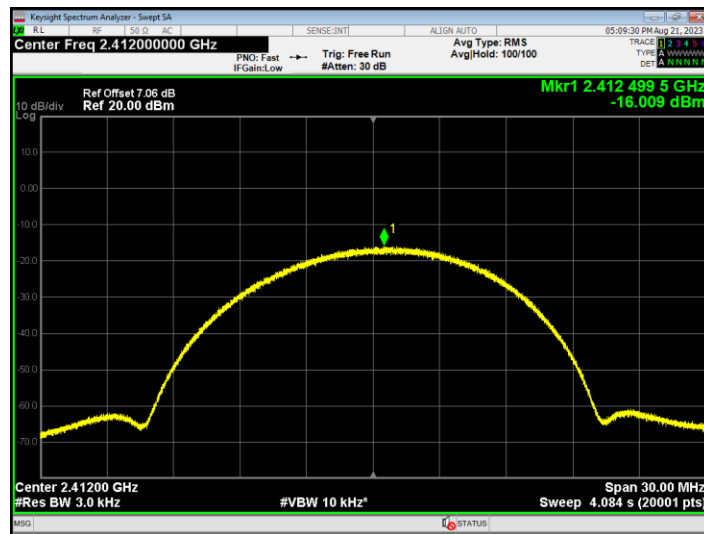
OBW NVNT n40 2452MHz Ant1



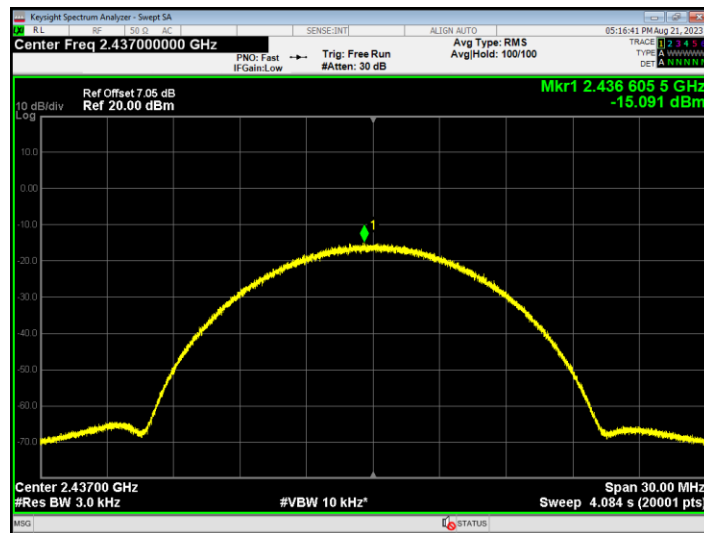
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-16.009	0.12	-16.01	8	Pass
NVNT	b	2437	Ant1	-15.091	0.12	-15.09	8	Pass
NVNT	b	2462	Ant1	-15.572	0.12	-15.57	8	Pass
NVNT	g	2412	Ant1	-19.621	0.69	-19.62	8	Pass
NVNT	g	2437	Ant1	-18.995	0.69	-19.00	8	Pass
NVNT	g	2462	Ant1	-19.346	0.69	-19.35	8	Pass
NVNT	n20	2412	Ant1	-19.886	0.11	-19.89	8	Pass
NVNT	n20	2437	Ant1	-18.976	0.1	-18.98	8	Pass
NVNT	n20	2462	Ant1	-19.637	0.11	-19.64	8	Pass
NVNT	n40	2422	Ant1	-20.009	0.21	-20.01	8	Pass
NVNT	n40	2437	Ant1	-20.452	0.21	-20.45	8	Pass
NVNT	n40	2452	Ant1	-21.673	0.21	-21.67	8	Pass

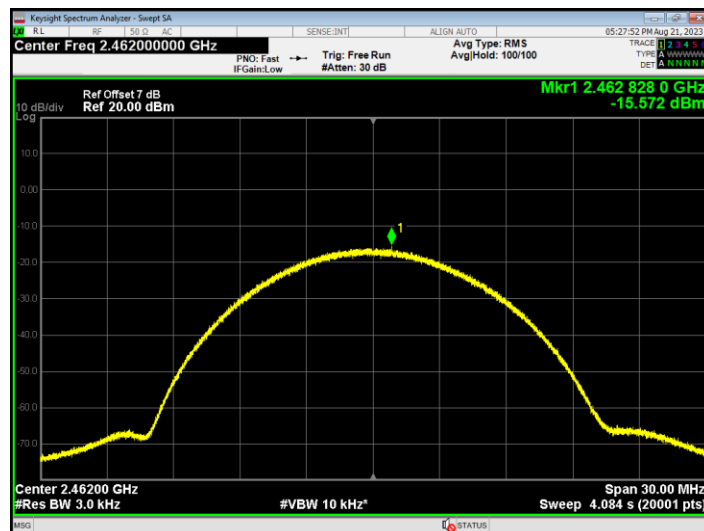
PSD NVNT b 2412MHz Ant1



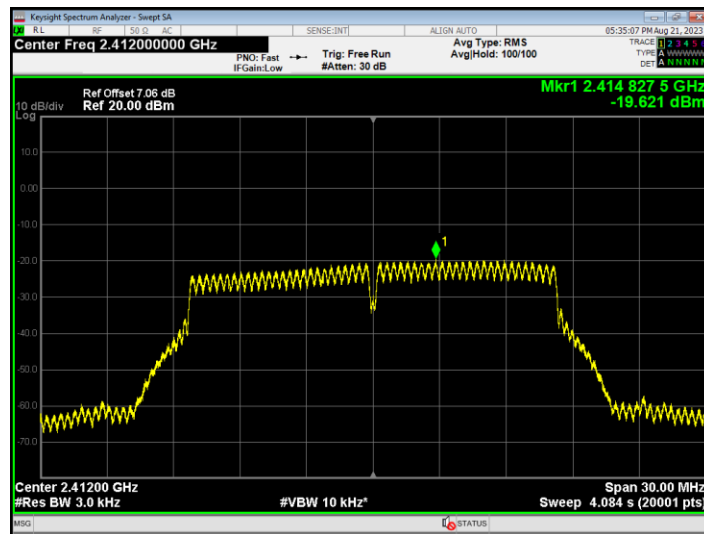
PSD NVNT b 2437MHz Ant1



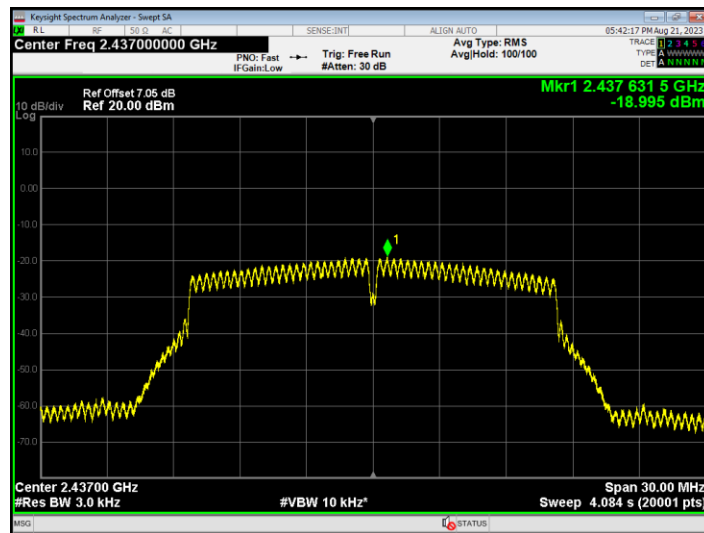
PSD NVNT b 2462MHz Ant1



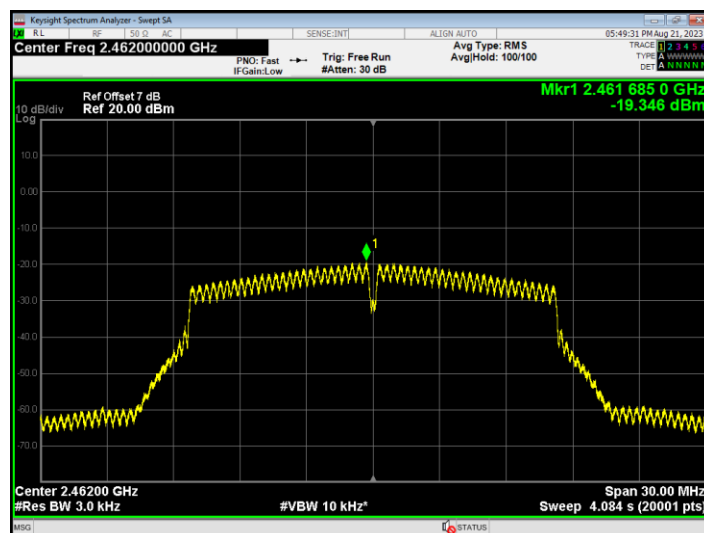
PSD NVNT g 2412MHz Ant1



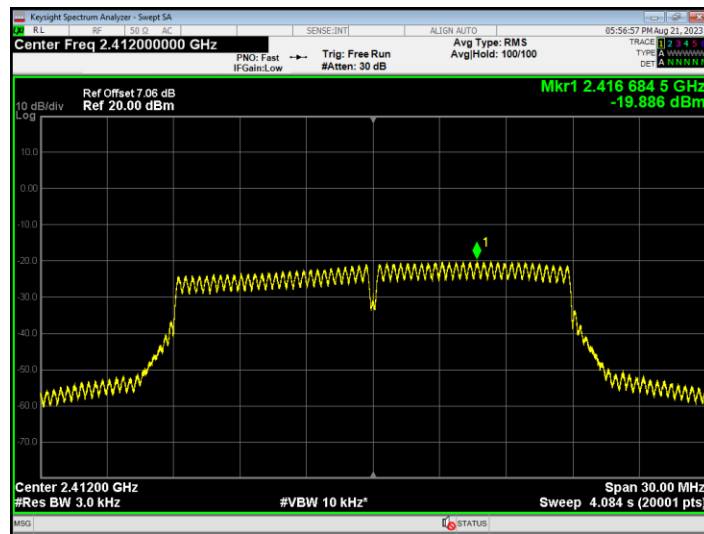
PSD NVNT g 2437MHz Ant1



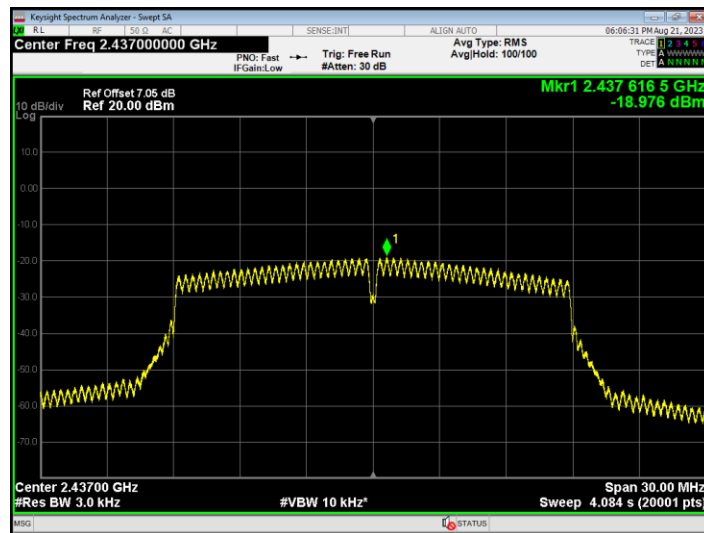
PSD NVNT g 2462MHz Ant1



PSD NVNT n20 2412MHz Ant1



PSD NVNT n20 2437MHz Ant1



PSD NVNT n20 2462MHz Ant1

