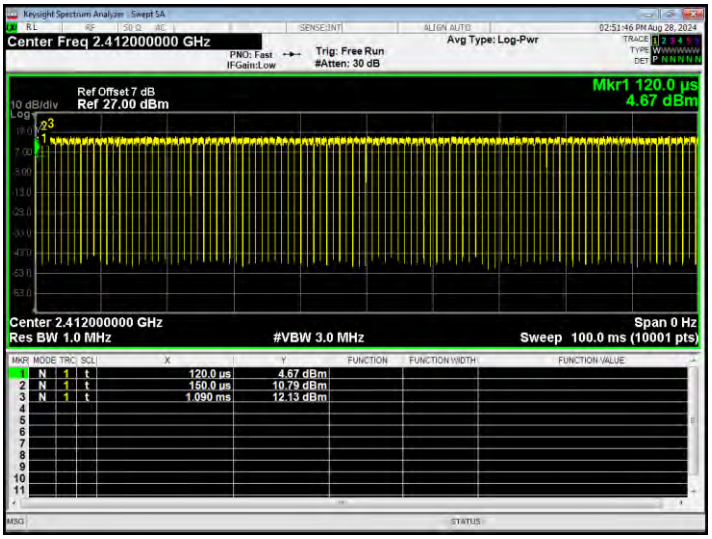
ANNEX 1
FCC Part 15C Test Report
FCC ID: 2BLBN-JH2001

Applicant:	DONGGUAN JIEHONG INTELLIGEN TECHNOLOGY CO.,LTD.
Address:	3-4F, No.8, Jinsheng Road, Jinxia Village, Chang'an Town, Dongguan City, Guangdong Province, China
Manufacturer:	DONGGUAN JIEHONG INTELLIGEN TECHNOLOGY CO.,LTD.
Address:	3-4F, No.8, Jinsheng Road, Jinxia Village, Chang'an Town, Dongguan City, Guangdong Province, China
EUT:	Intelligent interactive integrated machine
Trade Mark:	N/A
Model Number:	JH2001, JH2002, JH2201, JH2202, JH2203, JH2308, JH2401, JH2701, JH2702, JH3201, JH3202
Date of Receipt:	Aug. 22, 2023
Test Date:	Aug. 22, 2024 - Sep. 10, 2024
Date of Report:	Sep. 10, 2024
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

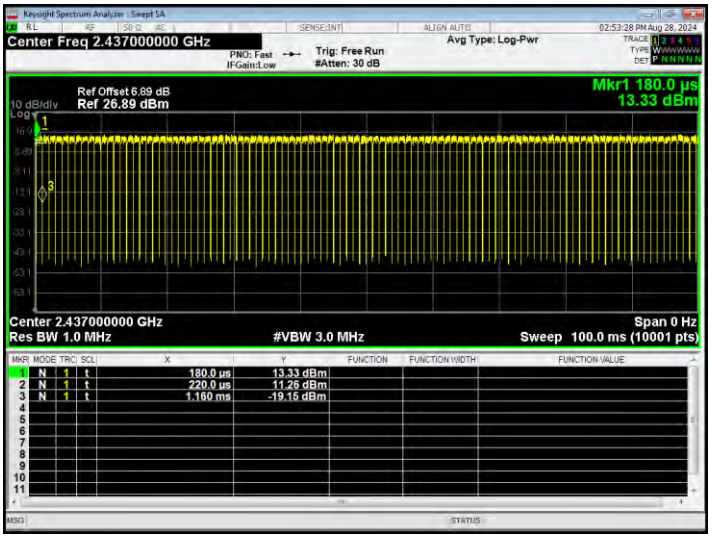
Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)
NVNT	b	2412	Ant1	96.91	0.14
NVNT	b	2437	Ant1	95.92	0.18
NVNT	b	2462	Ant1	95.92	0.18
NVNT	g	2412	Ant1	81.82	0.87
NVNT	g	2437	Ant1	81.82	0.87
NVNT	g	2462	Ant1	81.82	0.87
NVNT	n20	2412	Ant1	97.01	0.13
NVNT	n20	2437	Ant1	97.01	0.13
NVNT	n20	2462	Ant1	97.01	0.13
NVNT	n40	2422	Ant1	94.2	0.26
NVNT	n40	2437	Ant1	94.2	0.26
NVNT	n40	2452	Ant1	94.2	0.26

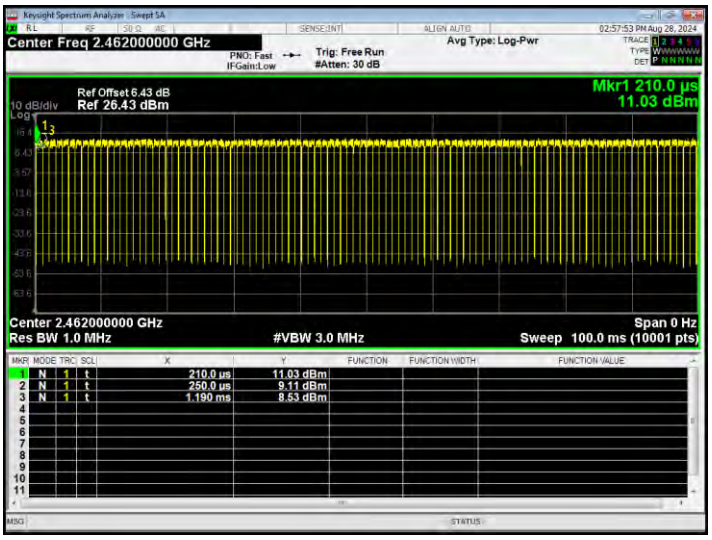
Duty Cycle NVNT b 2412MHz Ant1



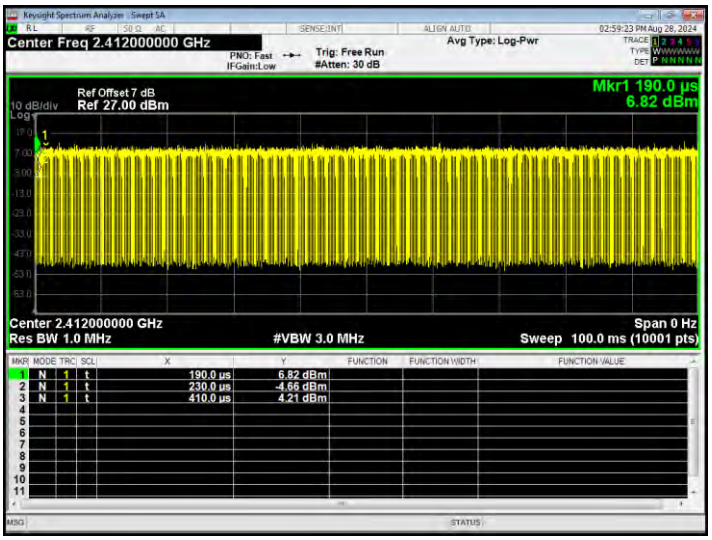
Duty Cycle NVNT b 2437MHz Ant1



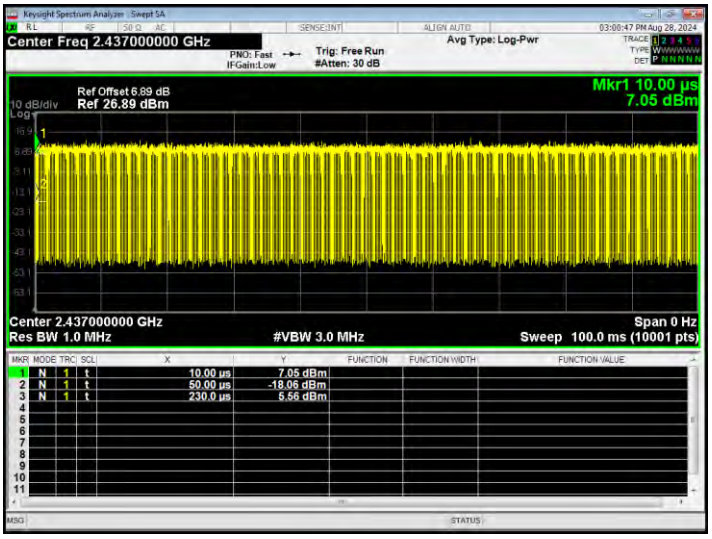
Duty Cycle NVNT b 2462MHz Ant1



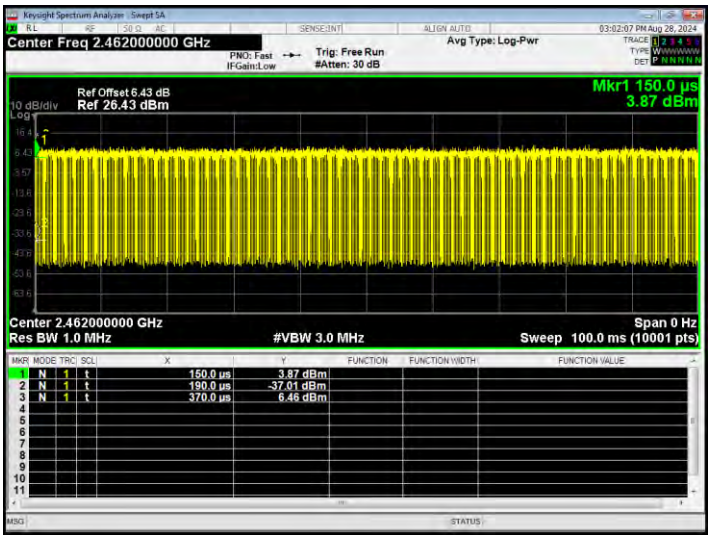
Duty Cycle NVNT g 2412MHz Ant1



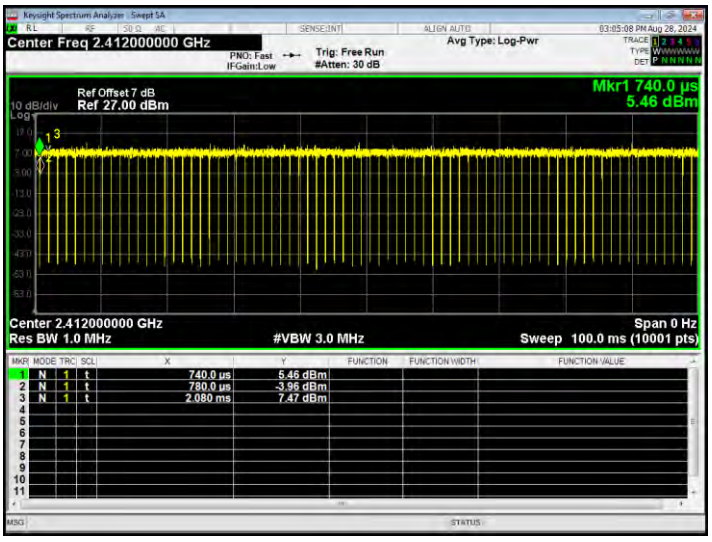
Duty Cycle NVNT g 2437MHz Ant1



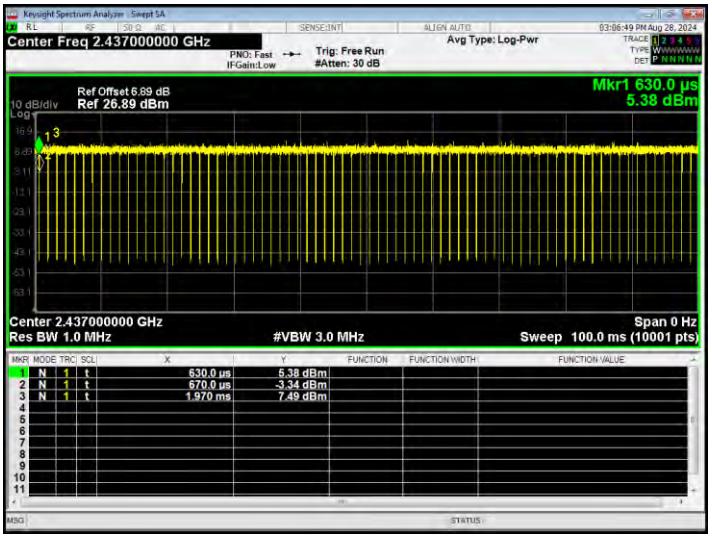
Duty Cycle NVNT g 2462MHz Ant1



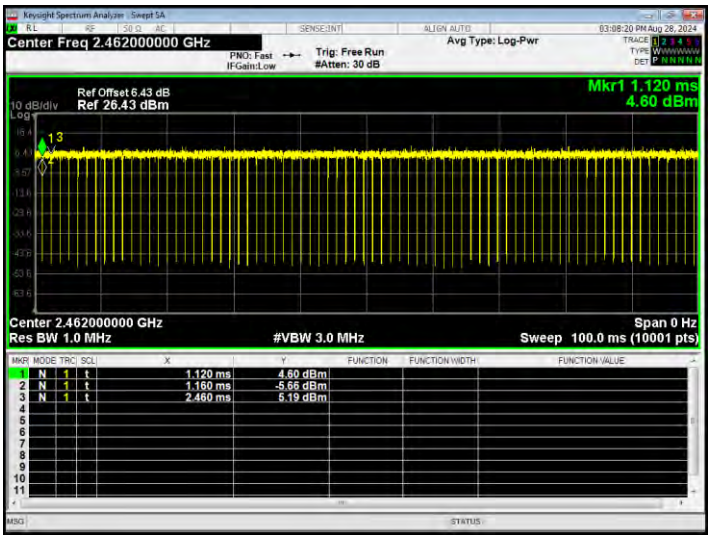
Duty Cycle NVNT n20 2412MHz Ant1



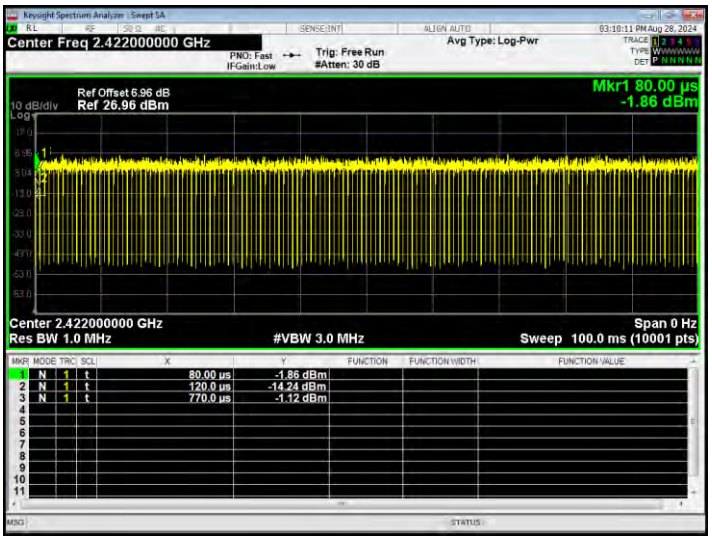
Duty Cycle NVNT n20 2437MHz Ant1



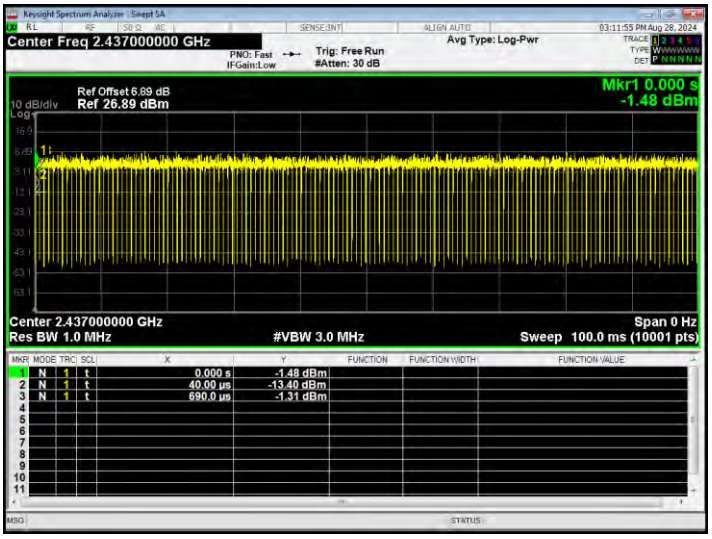
Duty Cycle NVNT n20 2462MHz Ant1



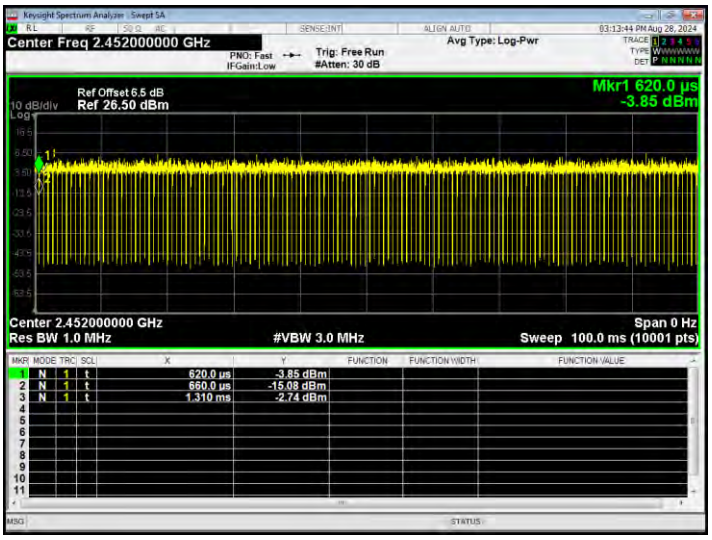
Duty Cycle NVNT n40 2422MHz Ant1



Duty Cycle NVNT n40 2437MHz Ant1



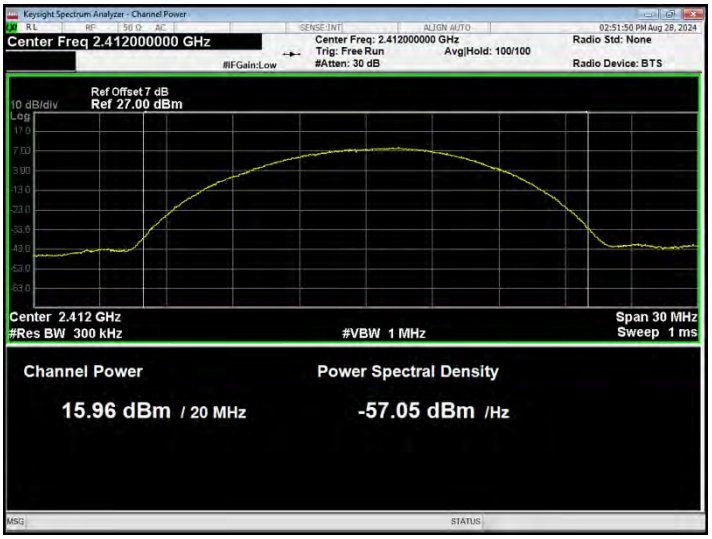
Duty Cycle NVNT n40 2452MHz Ant1


Keysight Spectrum Analyzer - Swept SA
03:13:44 PM Aug 28, 2024
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Ref Offset 6.5 dB
10 dB/div
Ref 26.50 dBm
Mkr1 620.0 µs
-3.85 dBm
Center 2.452000000 GHz
Span 0 Hz
Res BW 1.0 MHz
#VBW 3.0 MHz
Sweep 100.0 ms (10001 pts)
1 N 1 t 620.0 µs -3.85 dBm
2 N 1 t 660.0 µs -15.08 dBm
3 N 1 t 1.310 ms -2.74 dBm

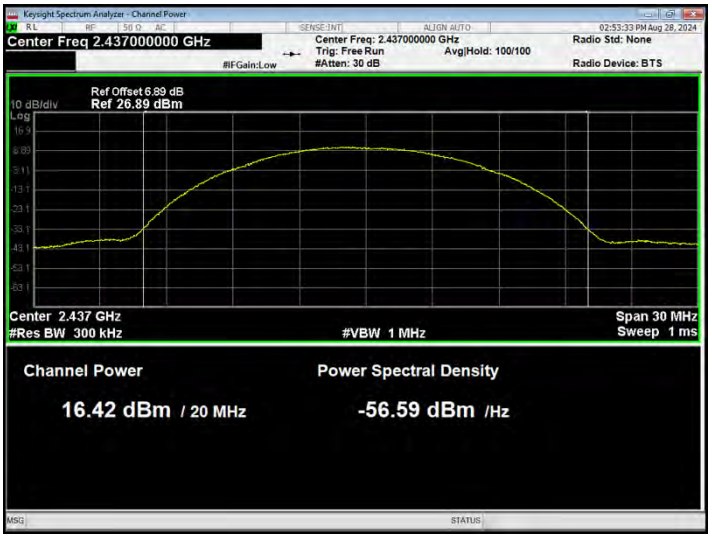
Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	15.96	0.14	16.1	30	Pass
NVNT	b	2437	Ant1	16.418	0.18	16.598	30	Pass
NVNT	b	2462	Ant1	14.653	0.18	14.833	30	Pass
NVNT	g	2412	Ant1	12.83	0.87	13.7	30	Pass
NVNT	g	2437	Ant1	13.388	0.87	14.258	30	Pass
NVNT	g	2462	Ant1	11.328	0.87	12.198	30	Pass
NVNT	n20	2412	Ant1	13.807	0.13	13.937	30	Pass
NVNT	n20	2437	Ant1	14.309	0.13	14.439	30	Pass
NVNT	n20	2462	Ant1	12.176	0.13	12.306	30	Pass
NVNT	n40	2422	Ant1	13.403	0.26	13.663	24	Pass
NVNT	n40	2437	Ant1	13.42	0.26	13.68	30	Pass
NVNT	n40	2452	Ant1	12.288	0.26	12.548	30	Pass

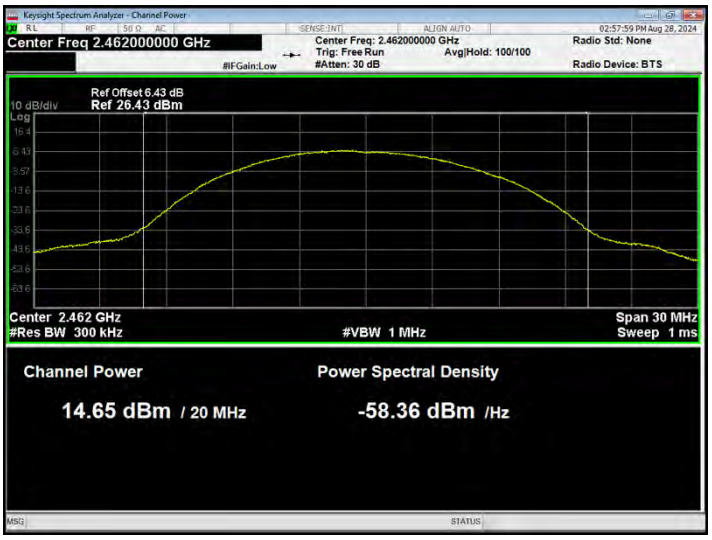
Power NVNT b 2412MHz Ant1



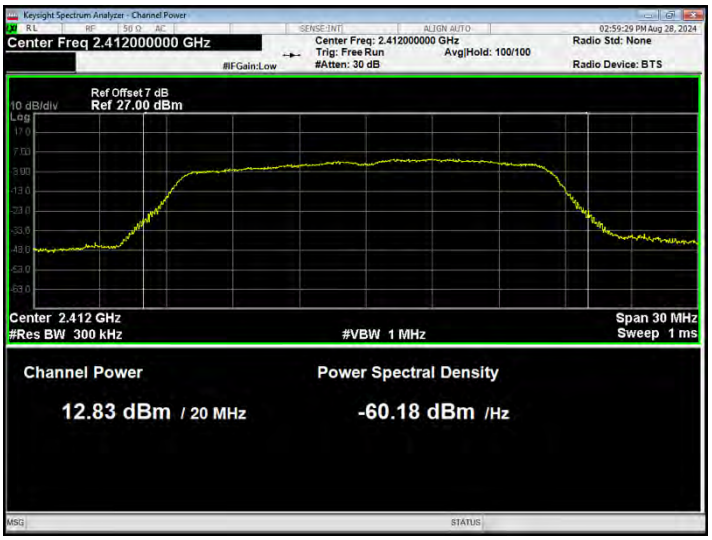
Power NVNT b 2437MHz Ant1



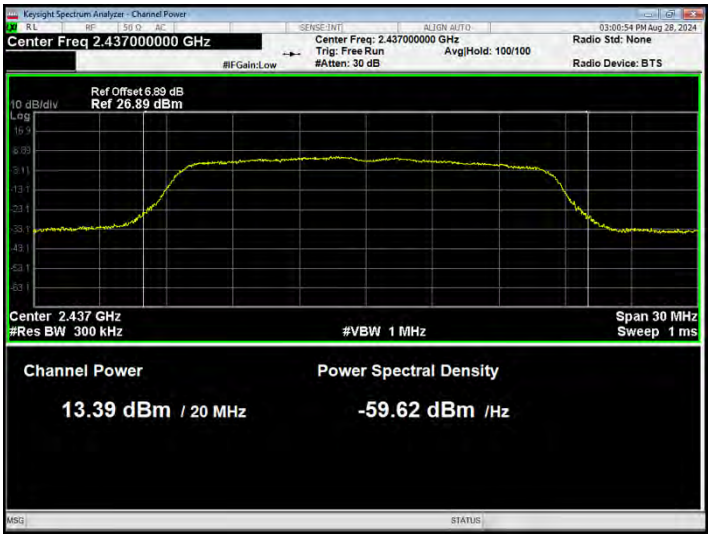
Power NVNT b 2462MHz Ant1



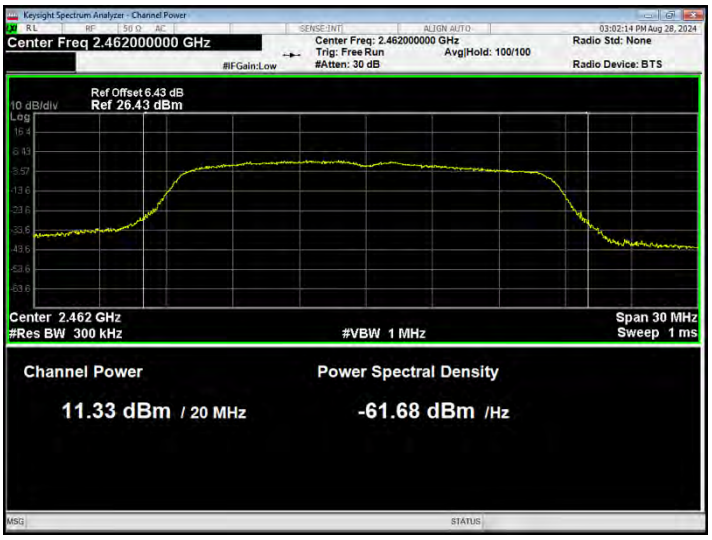
Power NVNT g 2412MHz Ant1



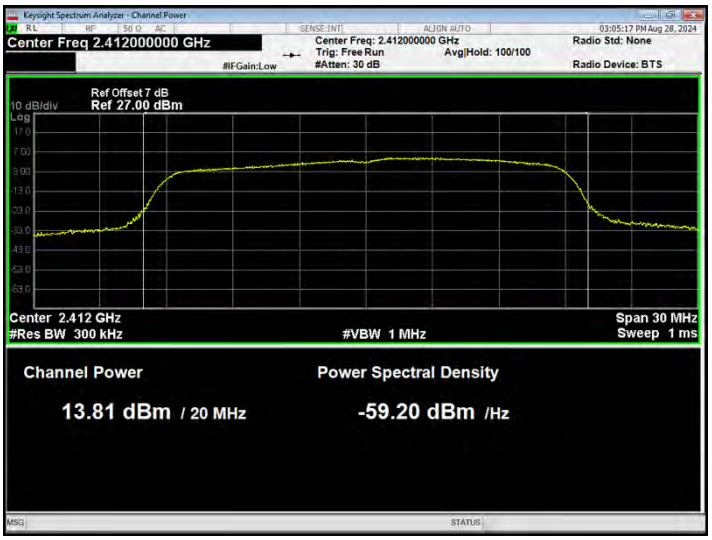
Power NVNT g 2437MHz Ant1



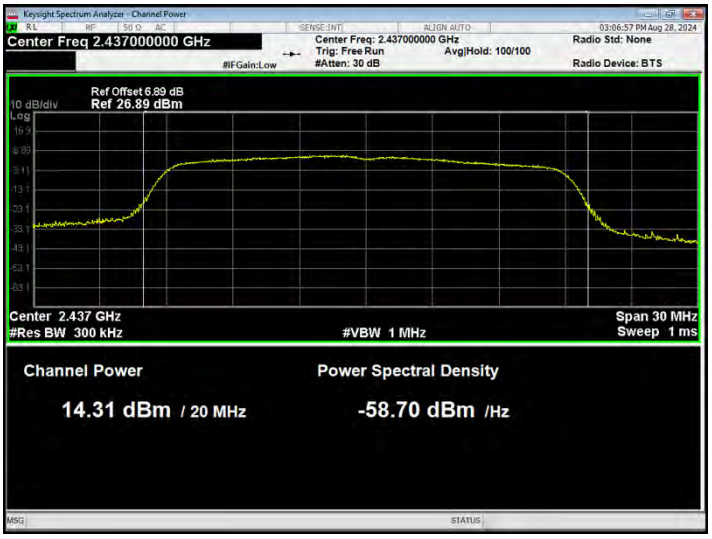
Power NVNT g 2462MHz Ant1



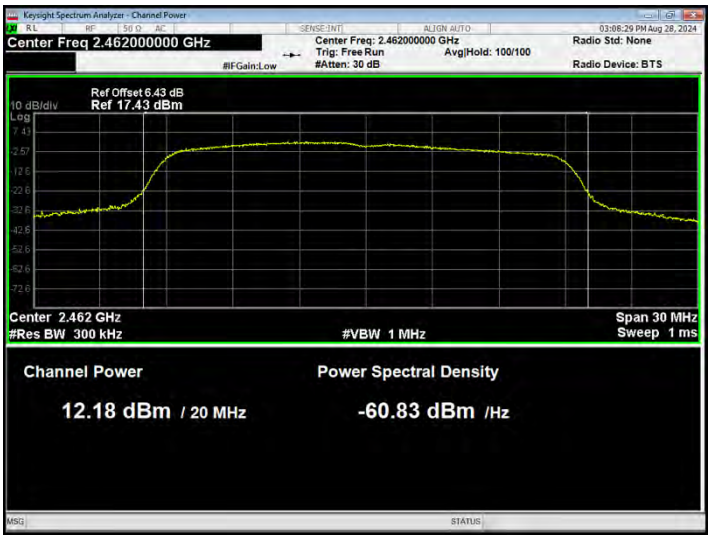
Power NVNT n20 2412MHz Ant1



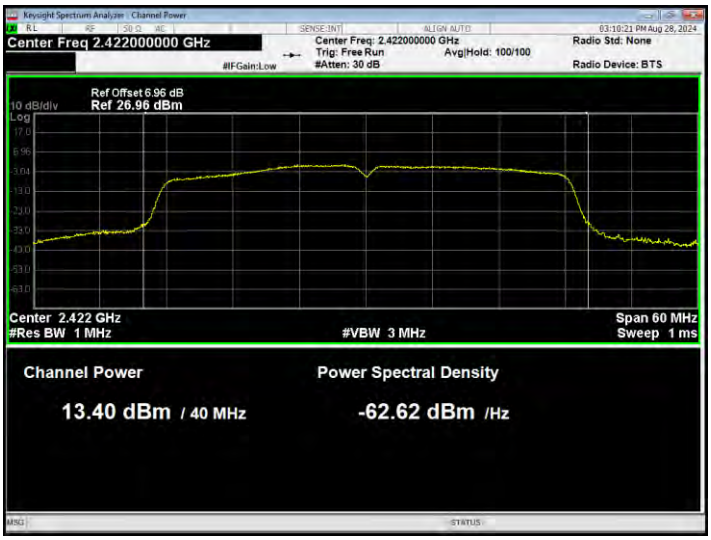
Power NVNT n20 2437MHz Ant1



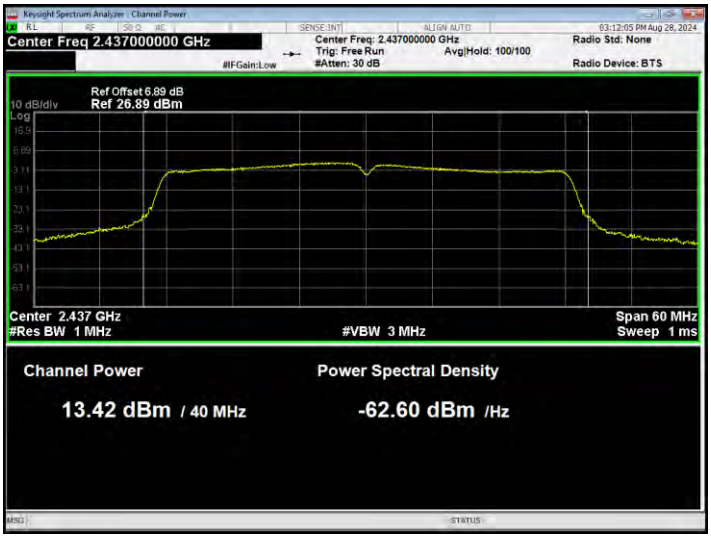
Power NVNT n20 2462MHz Ant1



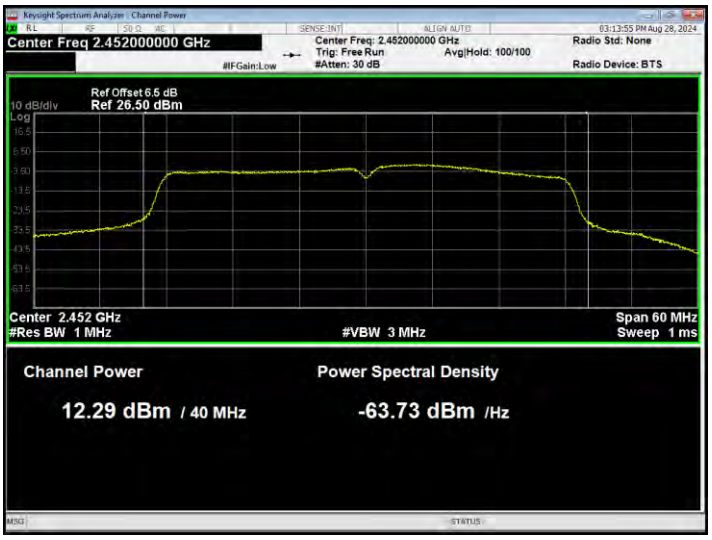
Power NVNT n40 2422MHz Ant1



Power NVNT n40 2437MHz Ant1



Power NVNT n40 2452MHz Ant1

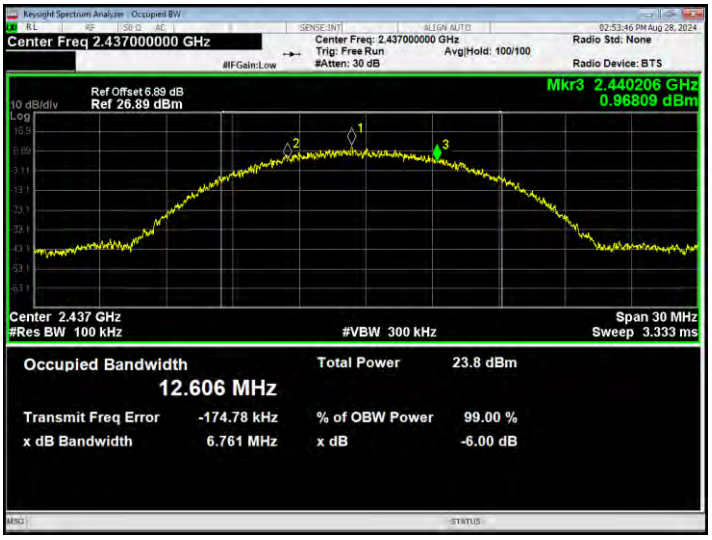

Keysight Spectrum Analyzer - Channel Power
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Radio Std: None
Radio Device: BTS
03:13:55 PM Aug 28, 2024
Ref Offset 6.5 dB
10 dB/div
Ref 26.50 dBm
Log
Center 2.452 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 60 MHz
Sweep 1 ms
Channel Power
12.29 dBm / 40 MHz
Power Spectral Density
-63.73 dBm /Hz

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	7.473	0.5	Pass
NVNT	b	2437	Ant1	6.761	0.5	Pass
NVNT	b	2462	Ant1	7.495	0.5	Pass
NVNT	g	2412	Ant1	15.396	0.5	Pass
NVNT	g	2437	Ant1	15.401	0.5	Pass
NVNT	g	2462	Ant1	15.321	0.5	Pass
NVNT	n20	2412	Ant1	13.798	0.5	Pass
NVNT	n20	2437	Ant1	13.882	0.5	Pass
NVNT	n20	2462	Ant1	12.52	0.5	Pass
NVNT	n40	2422	Ant1	26.326	0.5	Pass
NVNT	n40	2437	Ant1	35.105	0.5	Pass
NVNT	n40	2452	Ant1	31.287	0.5	Pass

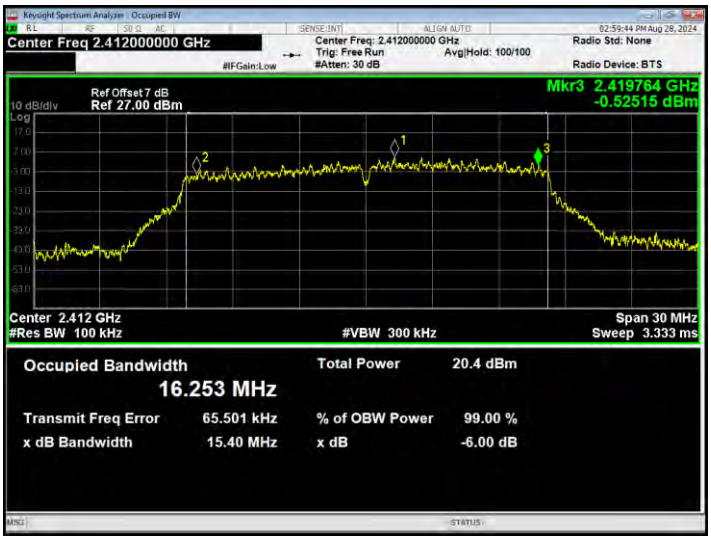
-6dB Bandwidth NVNT b 2412MHz Ant1

-6dB Bandwidth NVNT b 2437MHz Ant1

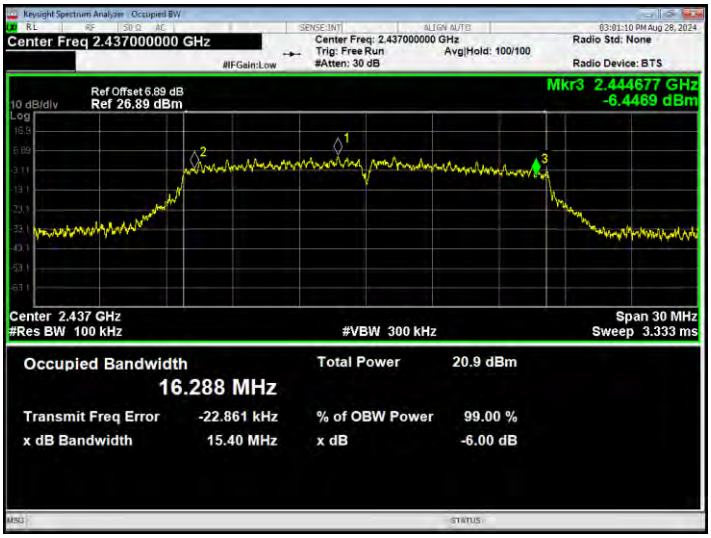


-6dB Bandwidth NVNT b 2462MHz Ant1

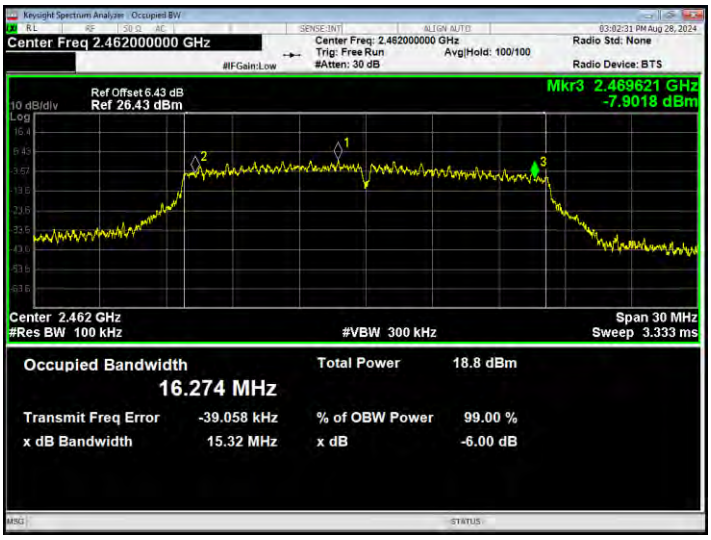
-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1



-6dB Bandwidth NVNT g 2462MHz Ant1



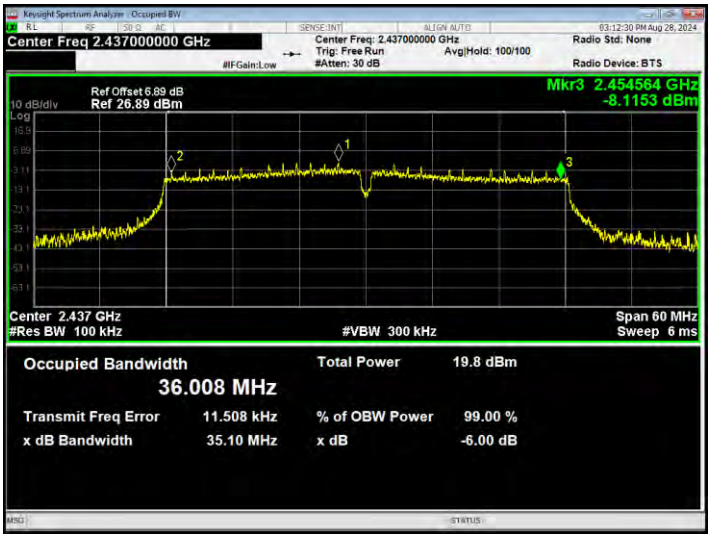
-6dB Bandwidth NVNT n20 2412MHz Ant1

-6dB Bandwidth NVNT n20 2437MHz Ant1

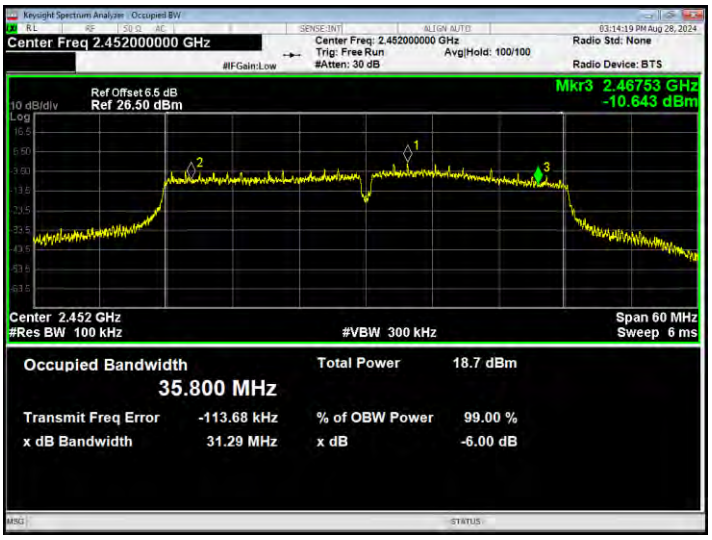
-6dB Bandwidth NVNT n20 2462MHz Ant1

-6dB Bandwidth NVNT n40 2422MHz Ant1

-6dB Bandwidth NVNT n40 2437MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant1


Keysight Spectrum Analyzer - Occupied BW
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Radio Std: None
Radio Device: BTS
03:14:19 PM Aug 28, 2024
Ref Offset 6.5 dB
10 dB/div
Ref 26.50 dBm
Log
Mkr3 2.46753 GHz
-10.643 dBm
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60 MHz
Sweep 6 ms
Occupied Bandwidth
35.800 MHz
Total Power 18.7 dBm
Transmit Freq Error -113.68 kHz
% of OBW Power 99.00 %
x dB Bandwidth 31.29 MHz
x dB -6.00 dB

Occupied Channel Bandwidth

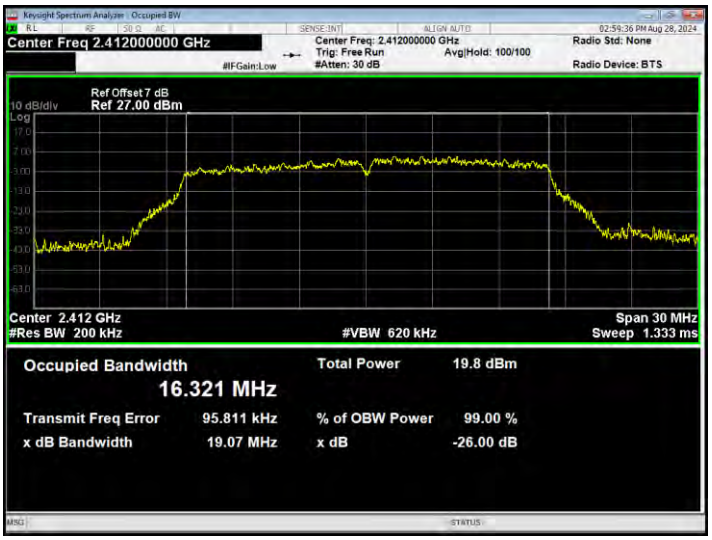
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	12.46475116
NVNT	b	2437	Ant1	12.53257516
NVNT	b	2462	Ant1	12.69400616
NVNT	g	2412	Ant1	16.32062329
NVNT	g	2437	Ant1	16.29850989
NVNT	g	2462	Ant1	16.2899748
NVNT	n20	2412	Ant1	17.50678574
NVNT	n20	2437	Ant1	17.51302882
NVNT	n20	2462	Ant1	17.46333088
NVNT	n40	2422	Ant1	35.64588413
NVNT	n40	2437	Ant1	36.1282605
NVNT	n40	2452	Ant1	35.97295799

OBW NVNT b 2412MHz Ant1

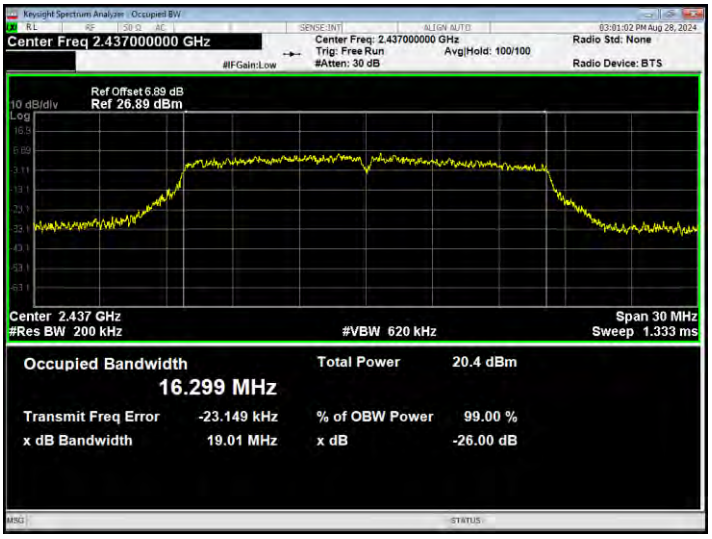
OBW NVNT b 2437MHz Ant1

OBW NVNT b 2462MHz Ant1

OBW NVNT g 2412MHz Ant1



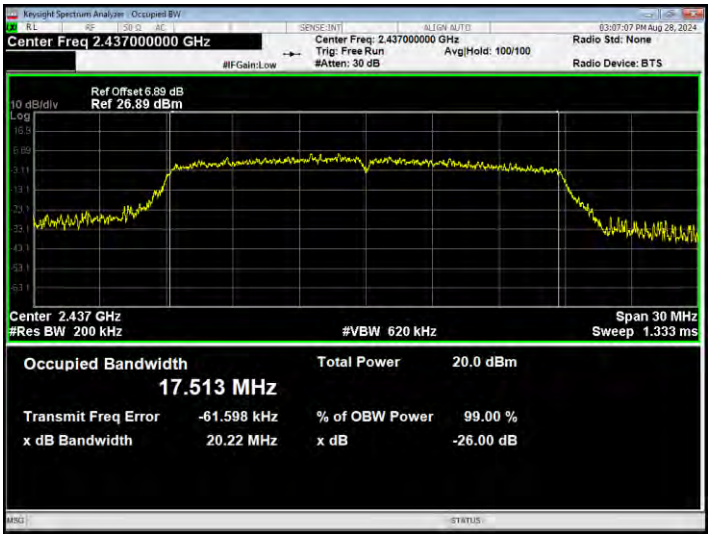
OBW NVNT g 2437MHz Ant1



OBW NVNT g 2462MHz Ant1

OBW NVNT n20 2412MHz Ant1

OBW NVNT n20 2437MHz Ant1

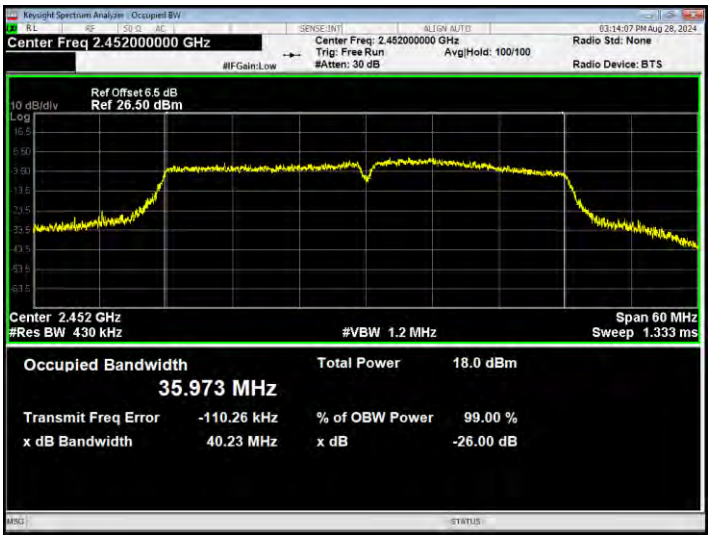


OBW NVNT n20 2462MHz Ant1

OBW NVNT n40 2422MHz Ant1

OBW NVNT n40 2437MHz Ant1

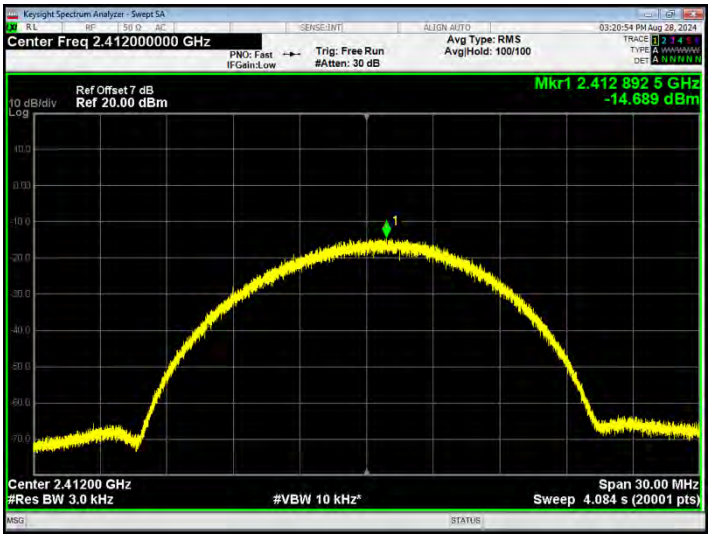
OBW NVNT n40 2452MHz Ant1


Keysight Spectrum Analyzer - Occupied BW
RL
RF
50 Ω
AC
SENSE:INT
ALIGN AUTO
03:14:07 PM Aug 28, 2024
Center Freq 2.452000000 GHz
#IFGain:Low
Center Freq: 2.452000000 GHz
Trig: Free Run
#Atten: 30 dB
Avg|Hold: 100/100
Radio Std: None
Radio Device: BTS
Ref Offset 6.5 dB
10 dB/div
Ref 26.50 dBm
Log
Center 2.452 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 60 MHz
Sweep 1.333 ms
Occupied Bandwidth
35.973 MHz
Total Power 18.0 dBm
Transmit Freq Error -110.26 kHz
% of OBW Power 99.00 %
x dB Bandwidth 40.23 MHz
x dB -26.00 dB
MSG
STATUS

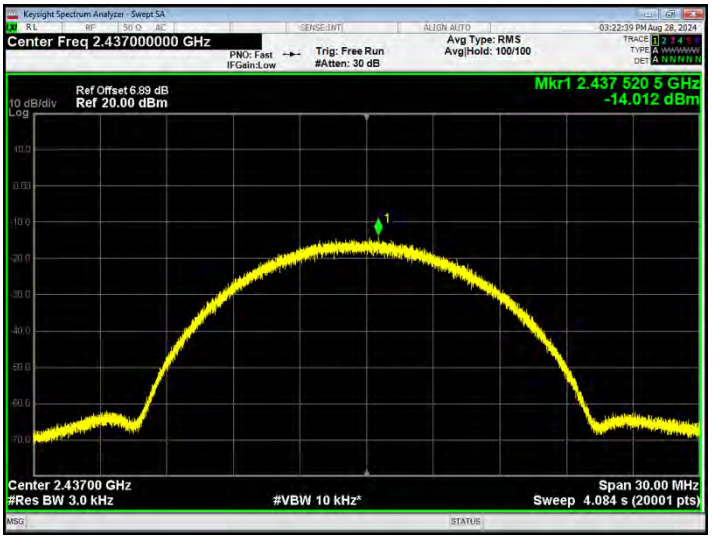
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Max PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	-14.689	0.14	-14.549	8	Pass
NVNT	b	2437	Ant1	-14.012	0.18	-13.832	8	Pass
NVNT	b	2462	Ant1	-16.436	0.18	-16.256	8	Pass
NVNT	g	2412	Ant1	-17.436	0.87	-16.566	8	Pass
NVNT	g	2437	Ant1	-17.951	0.87	-17.081	8	Pass
NVNT	g	2462	Ant1	-19.539	0.87	-18.669	8	Pass
NVNT	n20	2412	Ant1	-17.67	0.13	-17.54	8	Pass
NVNT	n20	2437	Ant1	-17.658	0.13	-17.528	8	Pass
NVNT	n20	2462	Ant1	-19.198	0.13	-19.068	8	Pass
NVNT	n40	2422	Ant1	-20.635	0.26	-20.375	8	Pass
NVNT	n40	2437	Ant1	-20.848	0.26	-20.588	8	Pass
NVNT	n40	2452	Ant1	-21.264	0.26	-21.004	8	Pass

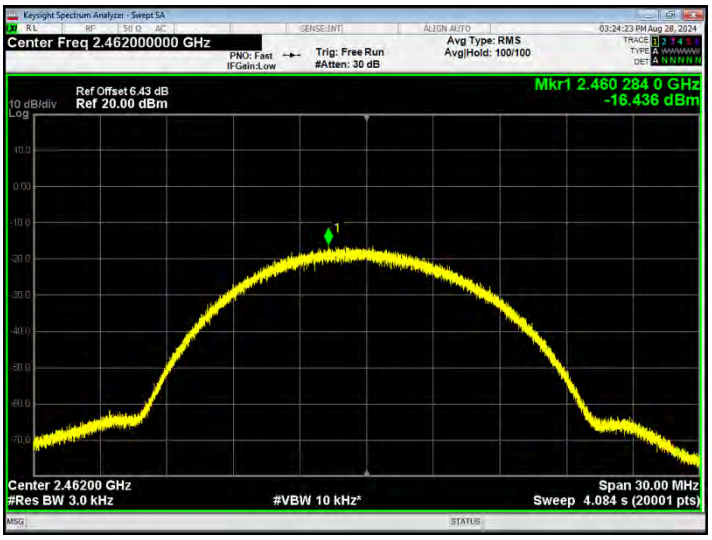
PSD NVNT b 2412MHz Ant1



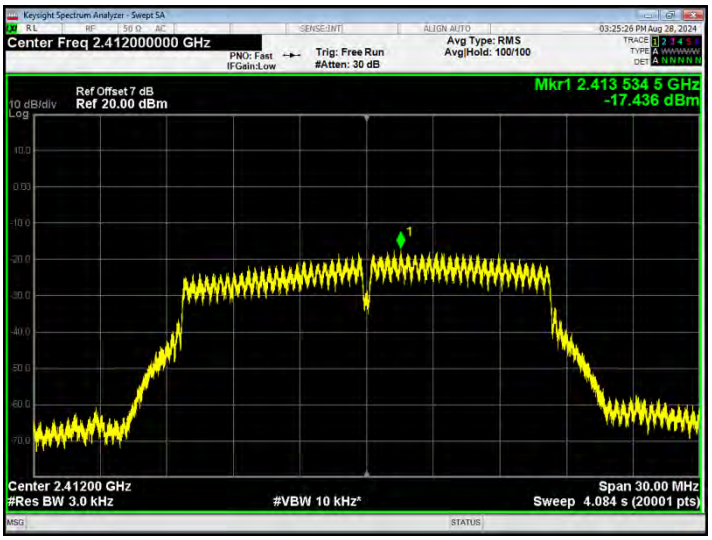
PSD NVNT b 2437MHz Ant1



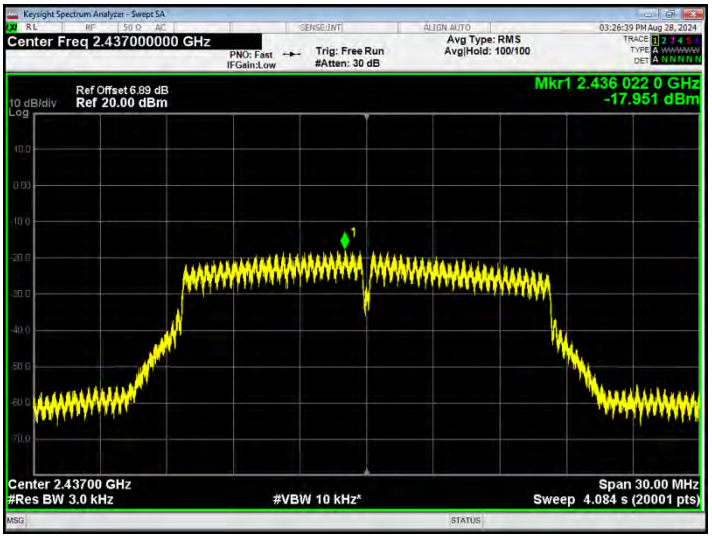
PSD NVNT b 2462MHz Ant1



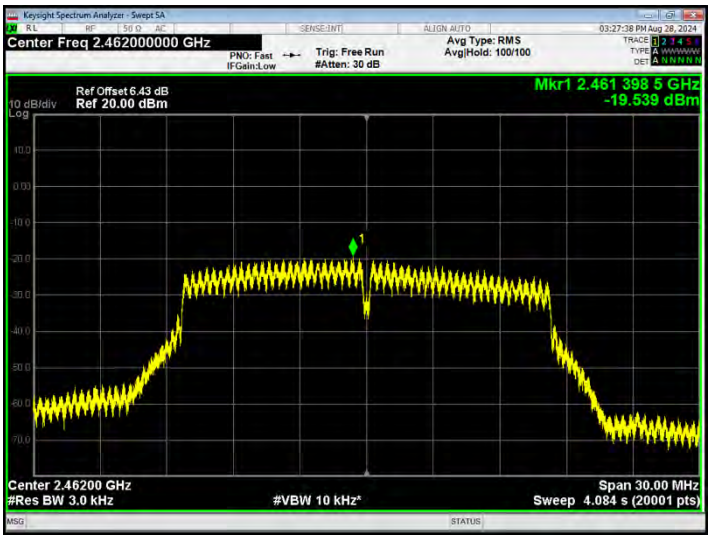
PSD NVNT g 2412MHz Ant1



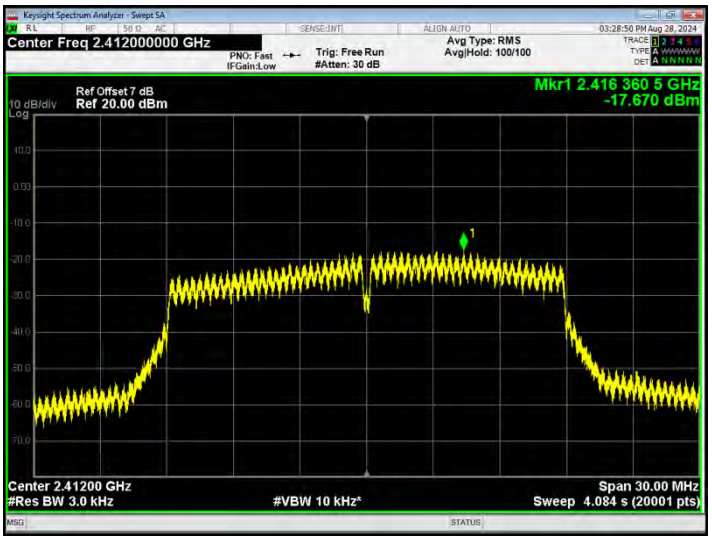
PSD NVNT g 2437MHz Ant1



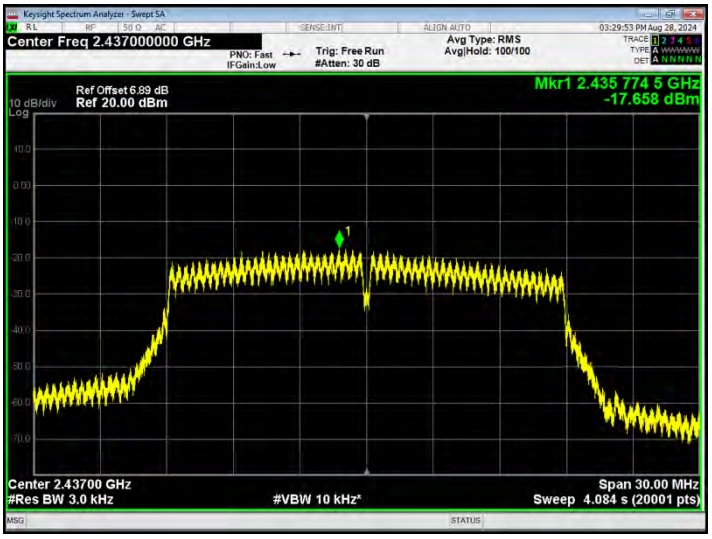
PSD NVNT g 2462MHz Ant1



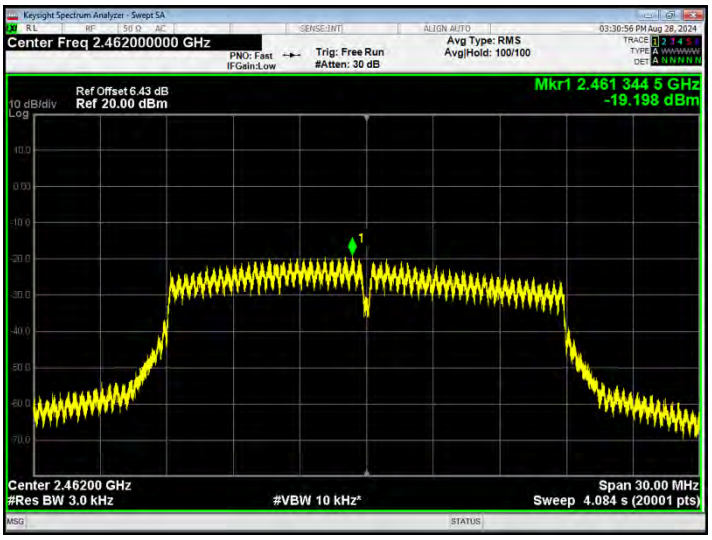
PSD NVNT n20 2412MHz Ant1



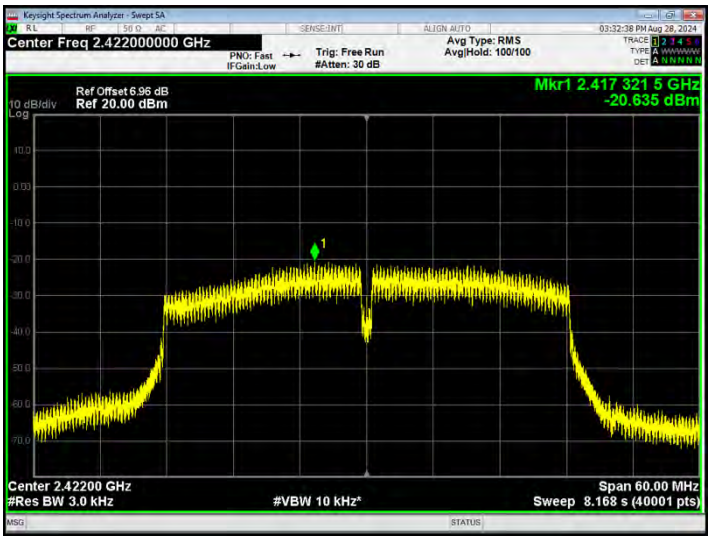
PSD NVNT n20 2437MHz Ant1



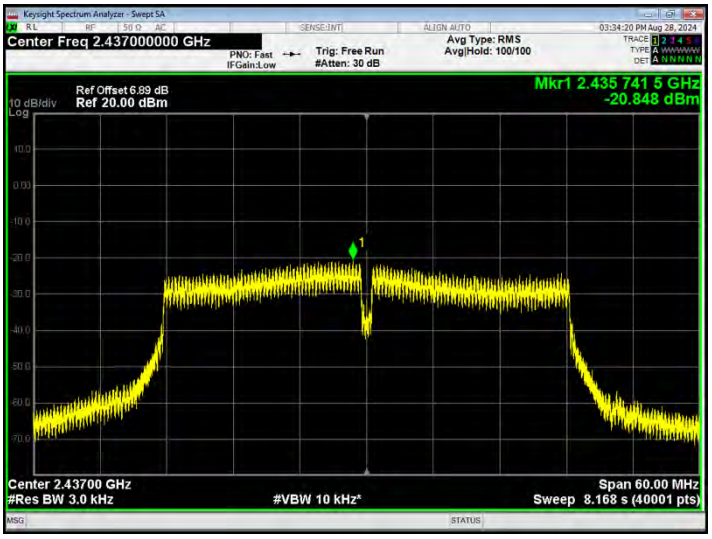
PSD NVNT n20 2462MHz Ant1



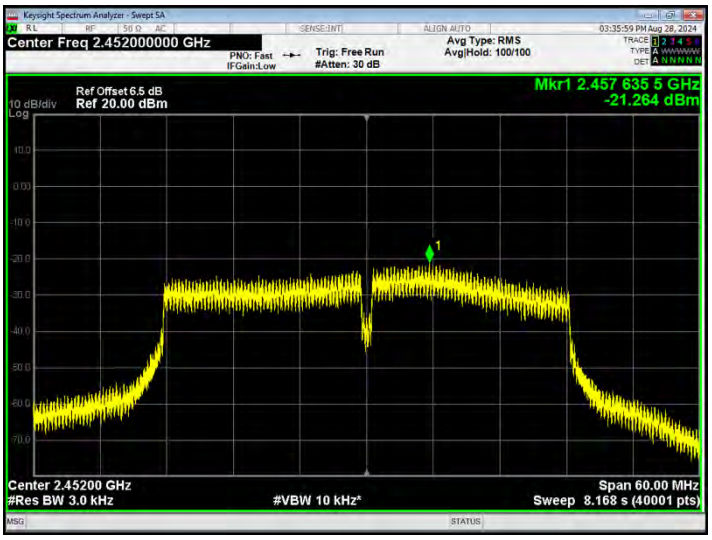
PSD NVNT n40 2422MHz Ant1



PSD NVNT n40 2437MHz Ant1



PSD NVNT n40 2452MHz Ant1

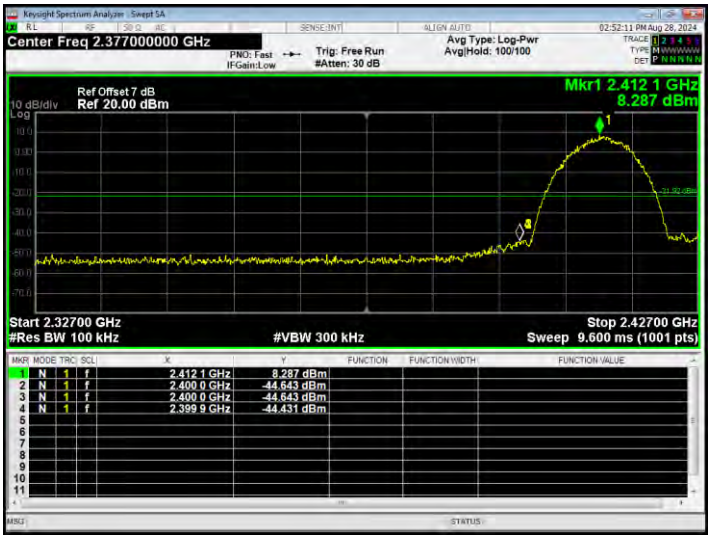

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: RMS
Avg|Hold: 100/100
03:35:59 PM Aug 28, 2024
Ref Offset 6.5 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.457 635 5 GHz
-21.264 dBm
Center 2.45200 GHz
#Res BW 3.0 kHz
#VBW 10 kHz*
Span 60.00 MHz
Sweep 8.168 s (40001 pts)

Band Edge

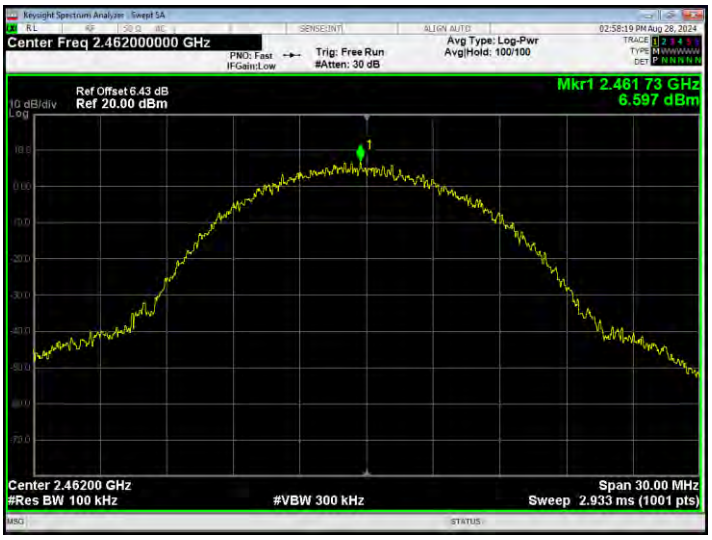
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.51	-30	Pass
NVNT	b	2462	Ant1	-58.15	-30	Pass
NVNT	g	2412	Ant1	-41.17	-30	Pass
NVNT	g	2462	Ant1	-52.69	-30	Pass
NVNT	n20	2412	Ant1	-36.01	-30	Pass
NVNT	n20	2462	Ant1	-51.19	-30	Pass
NVNT	n40	2422	Ant1	-33.4	-30	Pass
NVNT	n40	2452	Ant1	-46.79	-30	Pass

Band Edge NVNT b 2412MHz Ant1 Ref

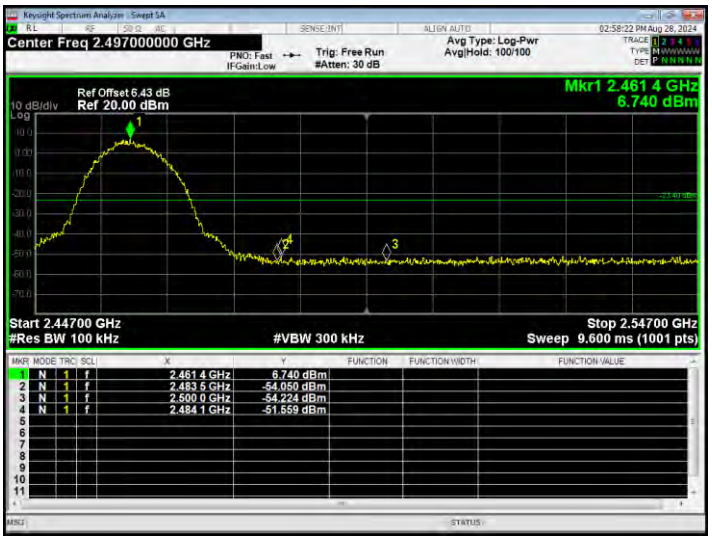
Band Edge NVNT b 2412MHz Ant1 Emission



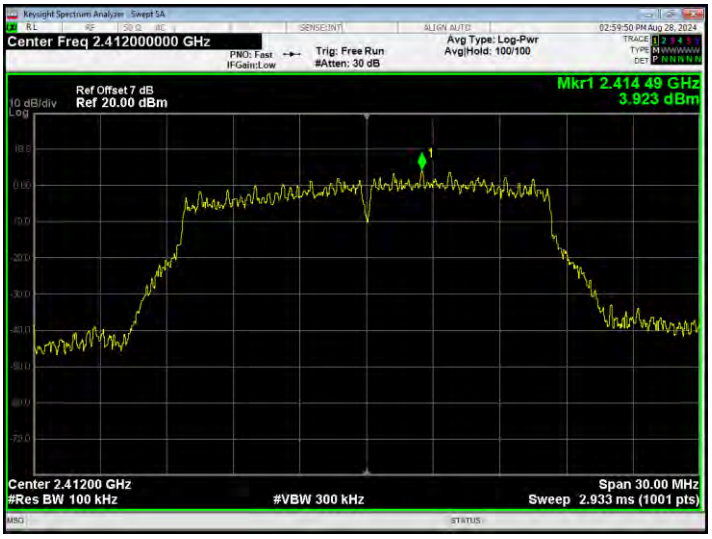
Band Edge NVNT b 2462MHz Ant1 Ref



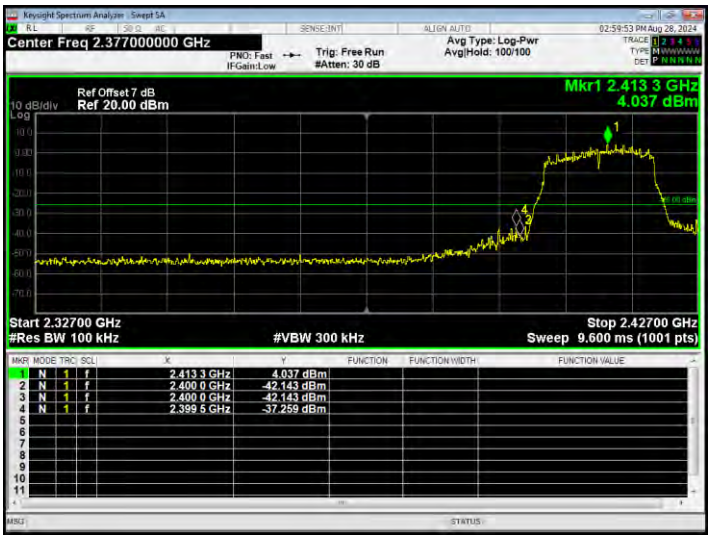
Band Edge NVNT b 2462MHz Ant1 Emission



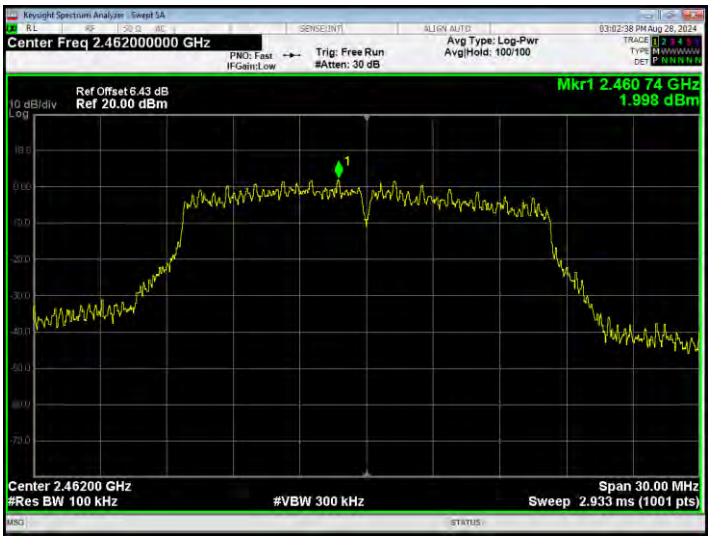
Band Edge NVNT g 2412MHz Ant1 Ref



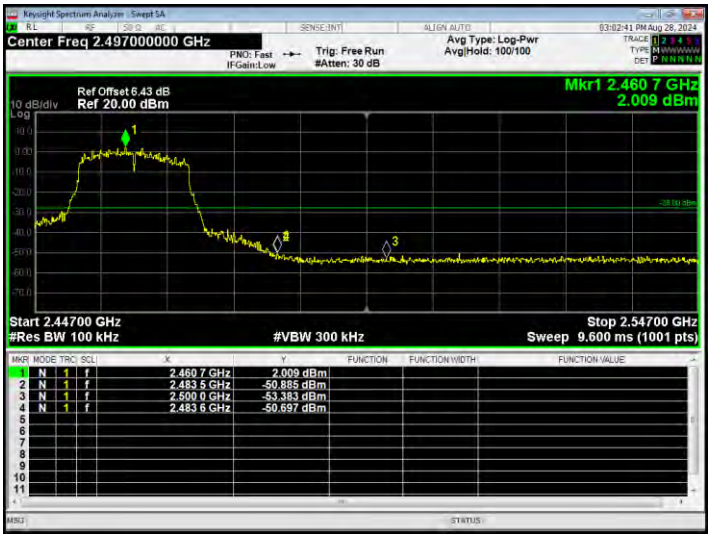
Band Edge NVNT g 2412MHz Ant1 Emission



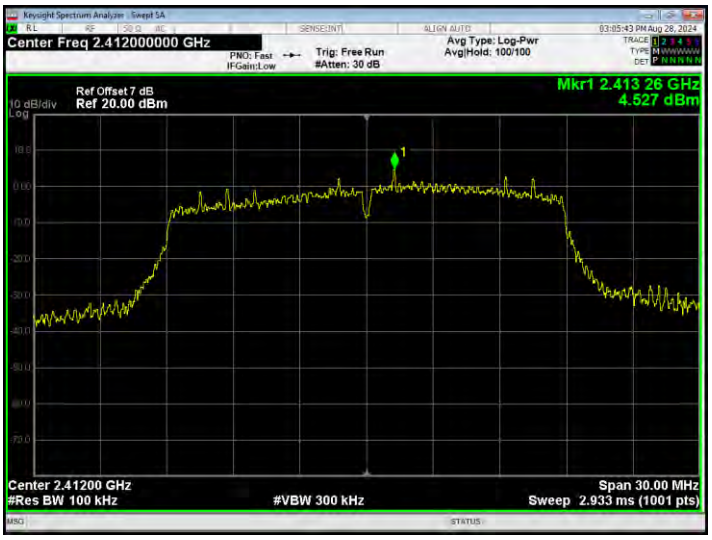
Band Edge NVNT g 2462MHz Ant1 Ref



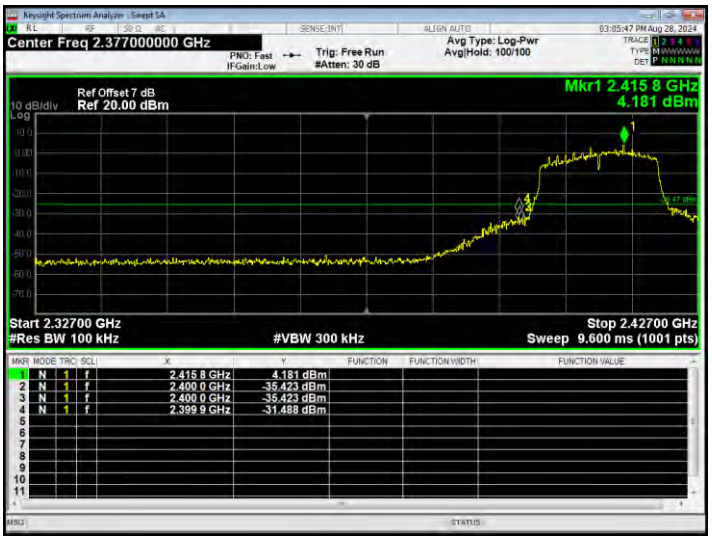
Band Edge NVNT g 2462MHz Ant1 Emission



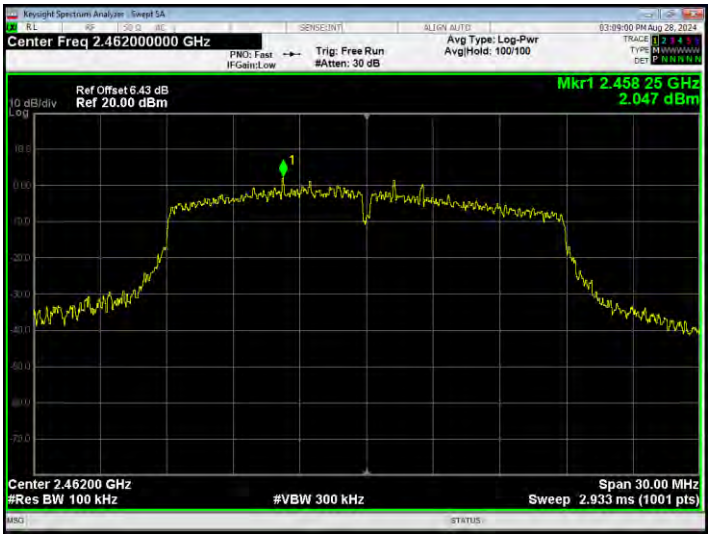
Band Edge NVNT n20 2412MHz Ant1 Ref



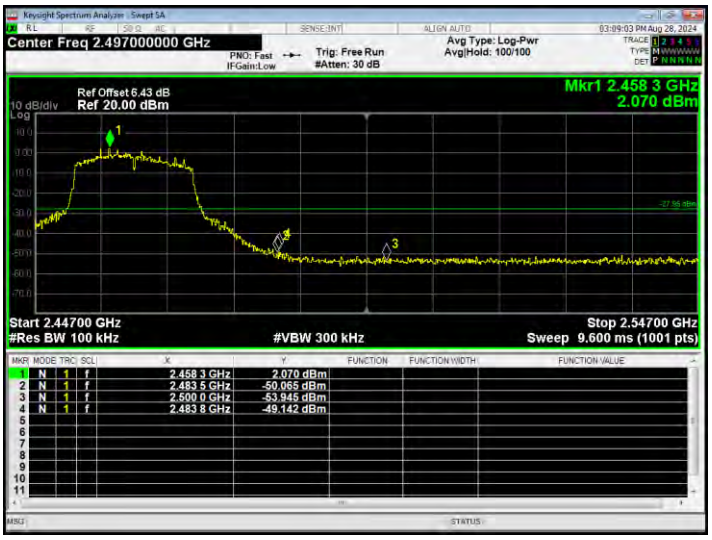
Band Edge NVNT n20 2412MHz Ant1 Emission



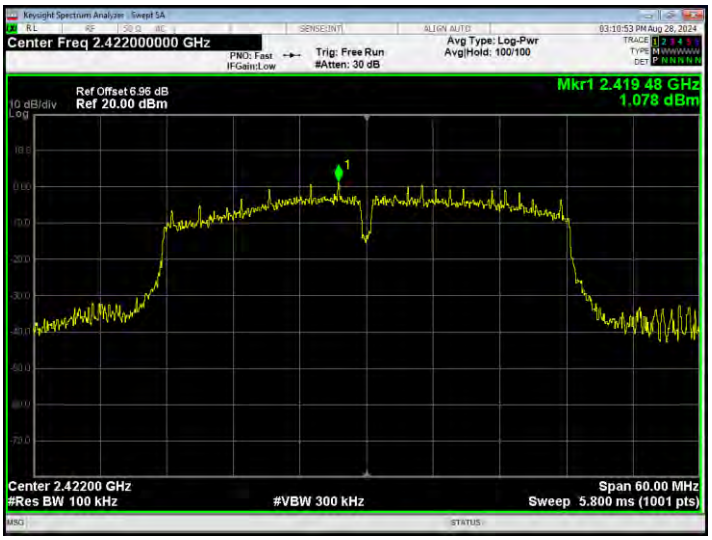
Band Edge NVNT n20 2462MHz Ant1 Ref



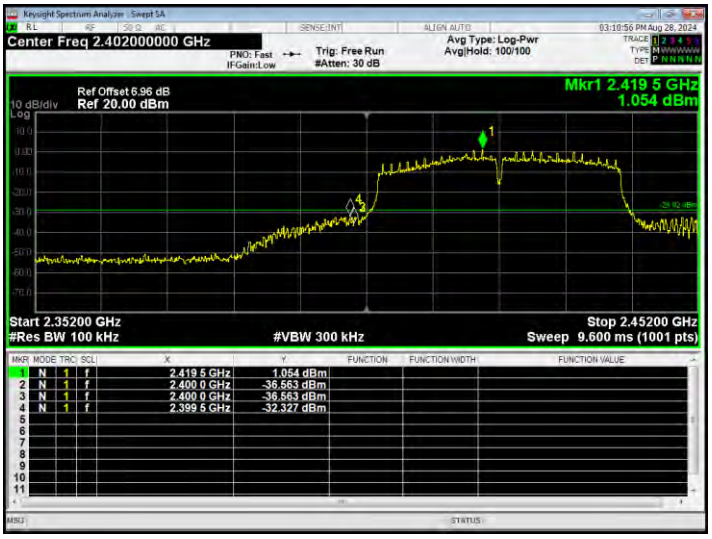
Band Edge NVNT n20 2462MHz Ant1 Emission



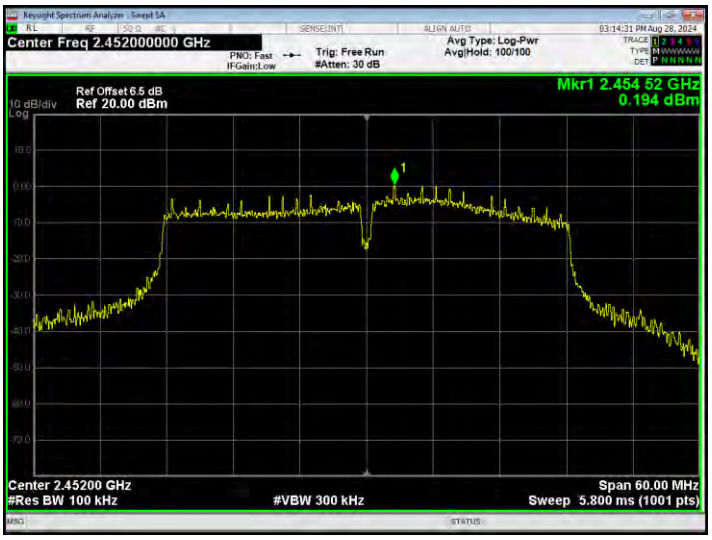
Band Edge NVNT n40 2422MHz Ant1 Ref



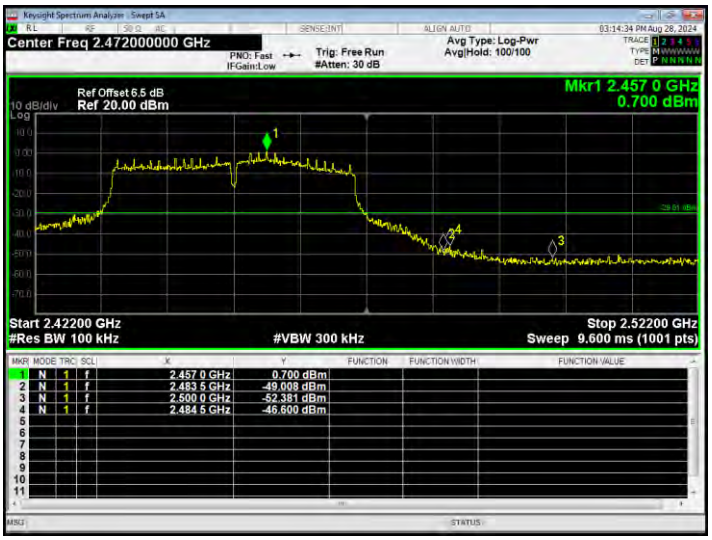
Band Edge NVNT n40 2422MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant1 Ref



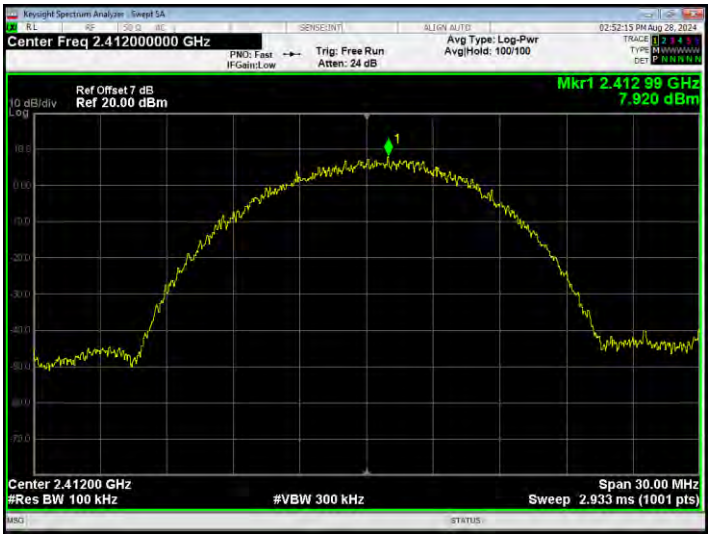
Band Edge NVNT n40 2452MHz Ant1 Emission



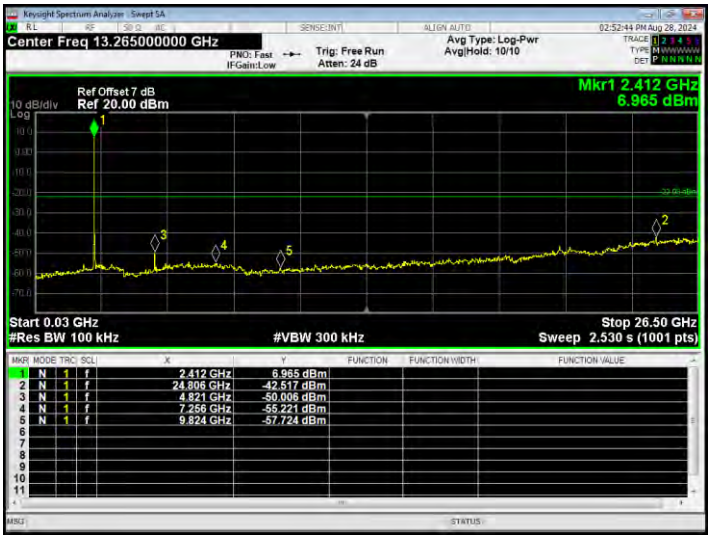
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-50.43	-30	Pass
NVNT	b	2437	Ant1	-50.82	-30	Pass
NVNT	b	2462	Ant1	-48.53	-30	Pass
NVNT	g	2412	Ant1	-47.05	-30	Pass
NVNT	g	2437	Ant1	-46.63	-30	Pass
NVNT	g	2462	Ant1	-45.29	-30	Pass
NVNT	n20	2412	Ant1	-45.96	-30	Pass
NVNT	n20	2437	Ant1	-47.1	-30	Pass
NVNT	n20	2462	Ant1	-45.54	-30	Pass
NVNT	n40	2422	Ant1	-42.92	-30	Pass
NVNT	n40	2437	Ant1	-44.04	-30	Pass
NVNT	n40	2452	Ant1	-43.01	-30	Pass

Tx. Spurious NVNT b 2412MHz Ant1 Ref

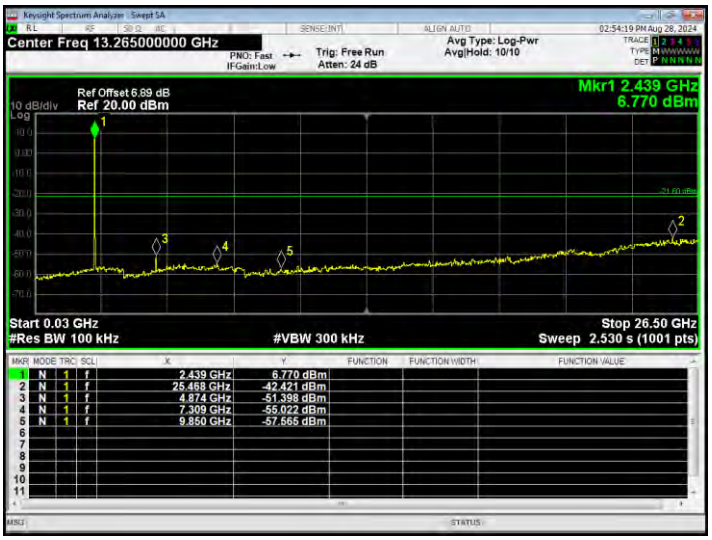


Tx. Spurious NVNT b 2412MHz Ant1 Emission

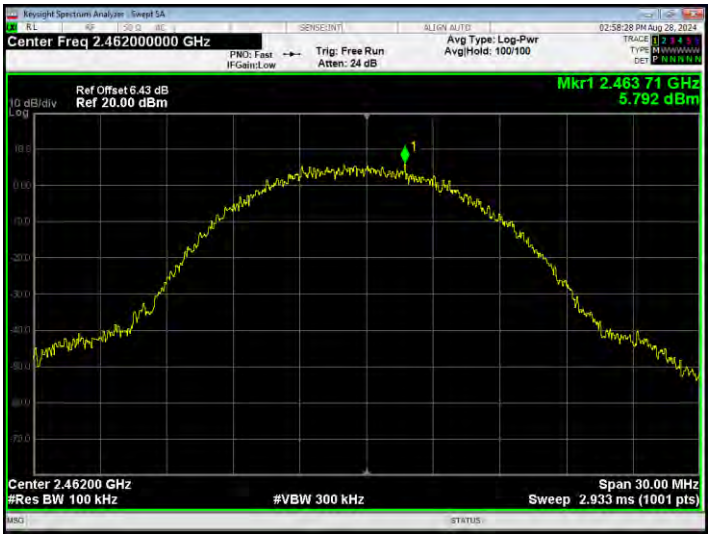


Tx. Spurious NVNT b 2437MHz Ant1 Ref

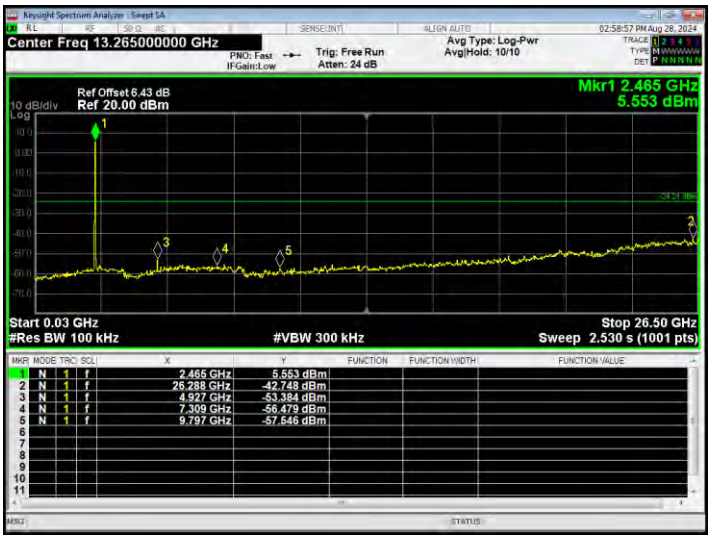
Tx. Spurious NVNT b 2437MHz Ant1 Emission



Tx. Spurious NVNT b 2462MHz Ant1 Ref

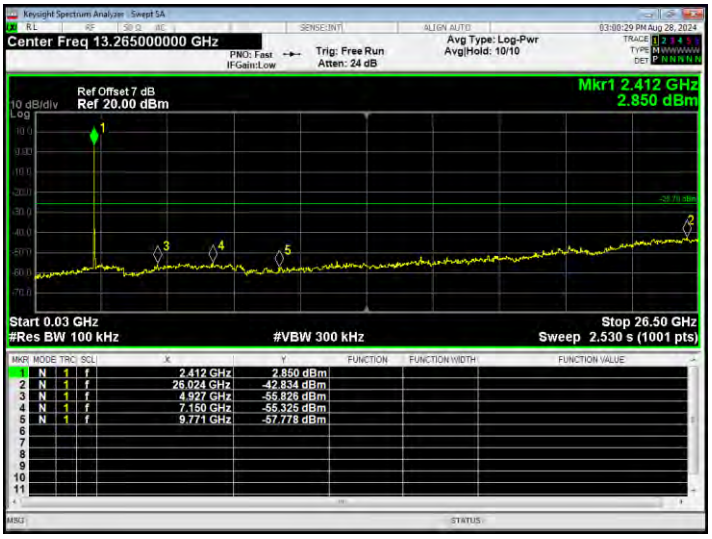


Tx. Spurious NVNT b 2462MHz Ant1 Emission

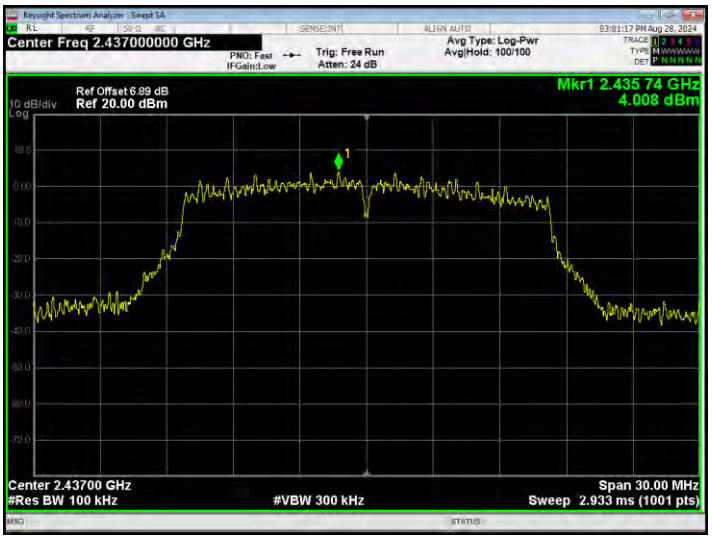


Tx. Spurious NVNT g 2412MHz Ant1 Ref

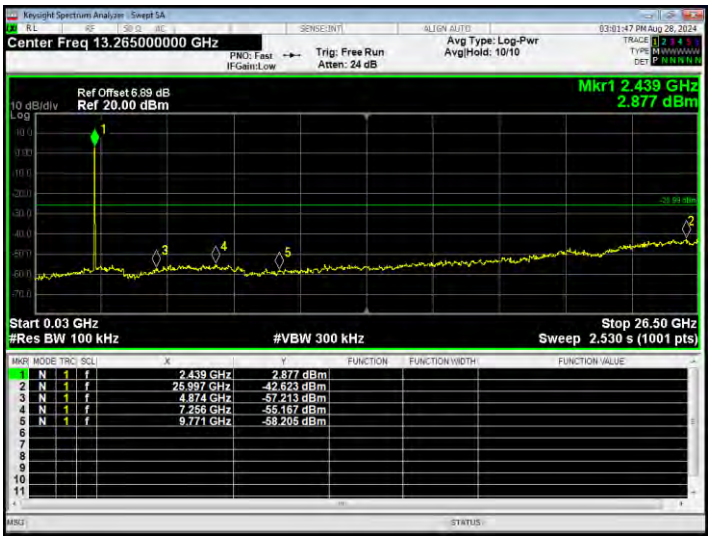
Tx. Spurious NVNT g 2412MHz Ant1 Emission



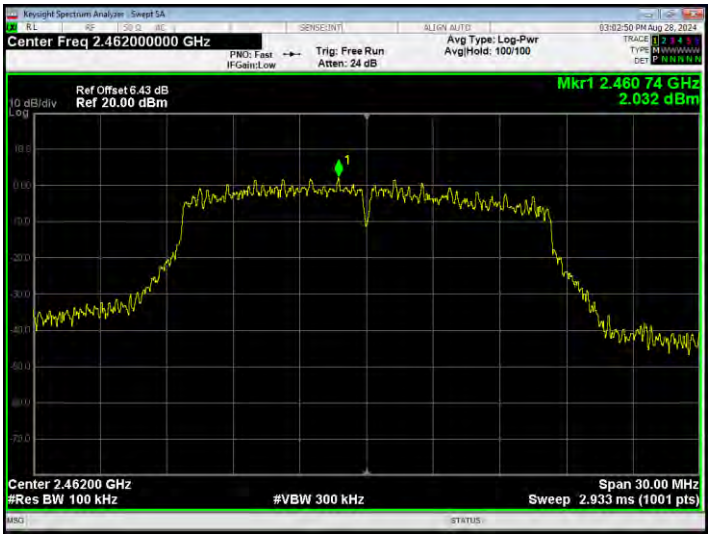
Tx. Spurious NVNT g 2437MHz Ant1 Ref



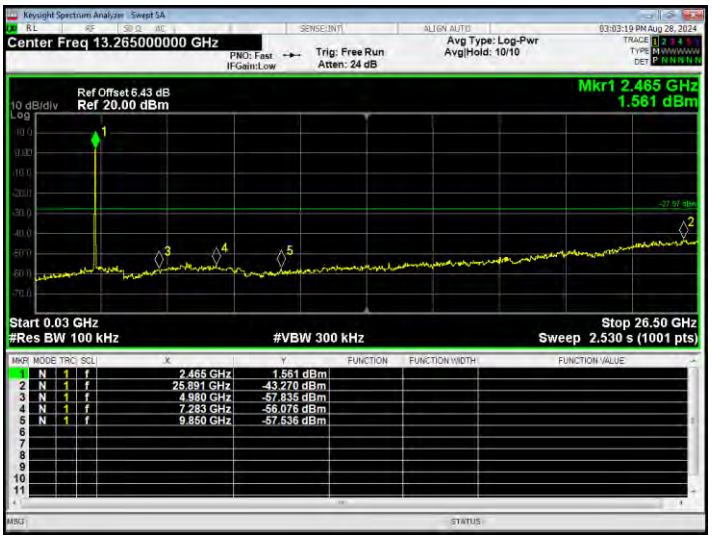
Tx. Spurious NVNT g 2437MHz Ant1 Emission



Tx. Spurious NVNT g 2462MHz Ant1 Ref

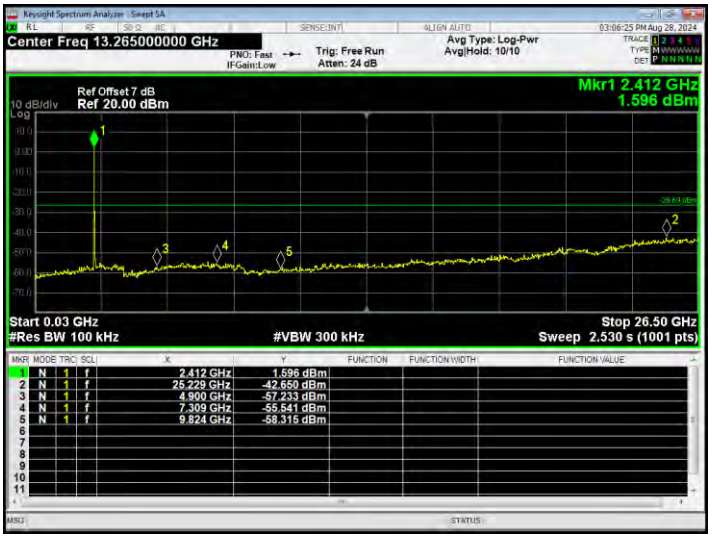


Tx. Spurious NVNT g 2462MHz Ant1 Emission

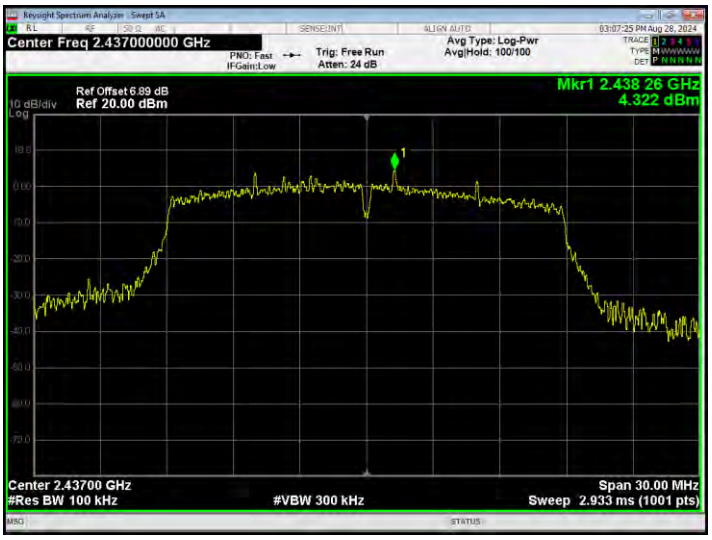


Tx. Spurious NVNT n20 2412MHz Ant1 Ref

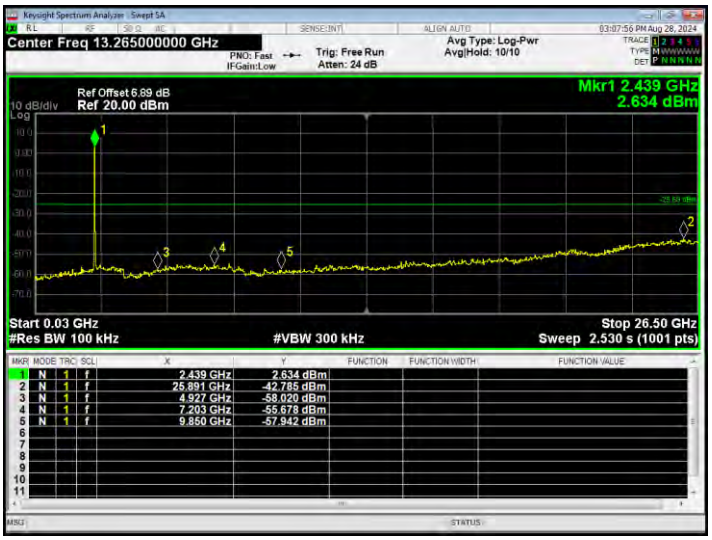
Tx. Spurious NVNT n20 2412MHz Ant1 Emission



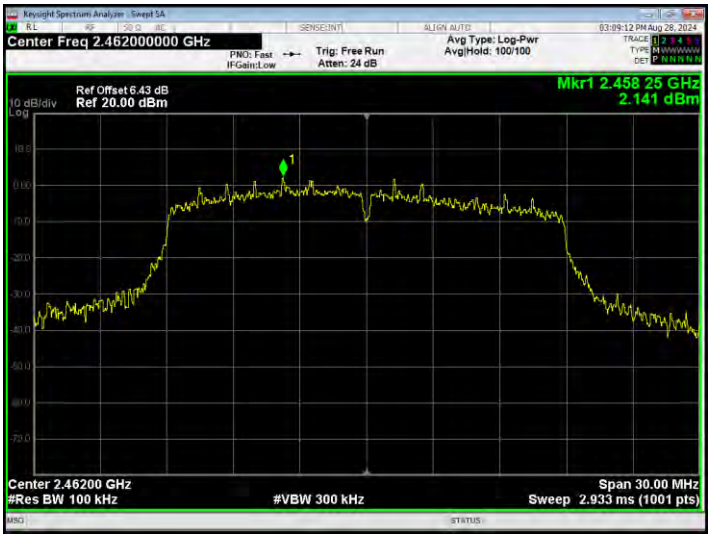
Tx. Spurious NVNT n20 2437MHz Ant1 Ref



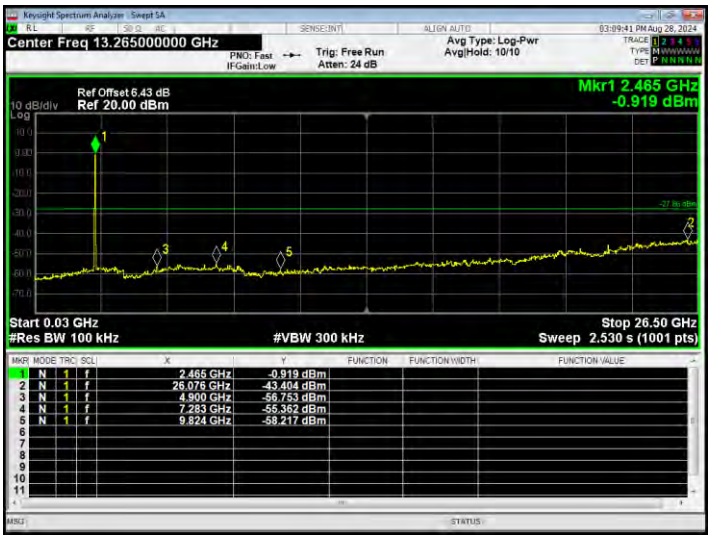
Tx. Spurious NVNT n20 2437MHz Ant1 Emission



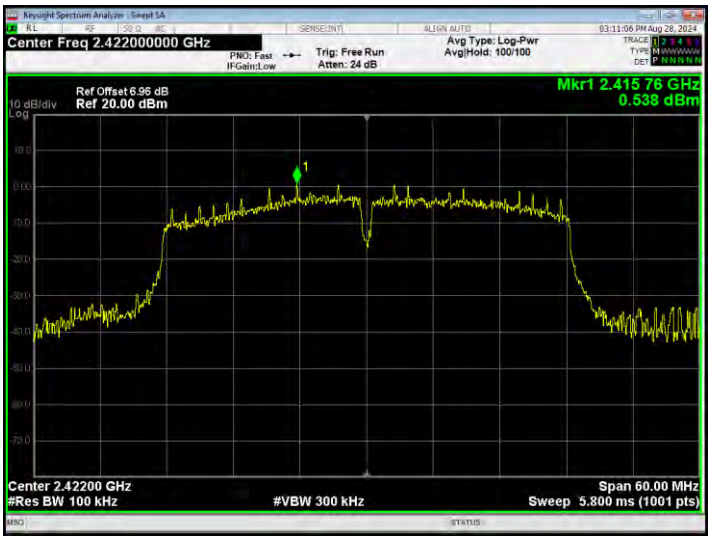
Tx. Spurious NVNT n20 2462MHz Ant1 Ref



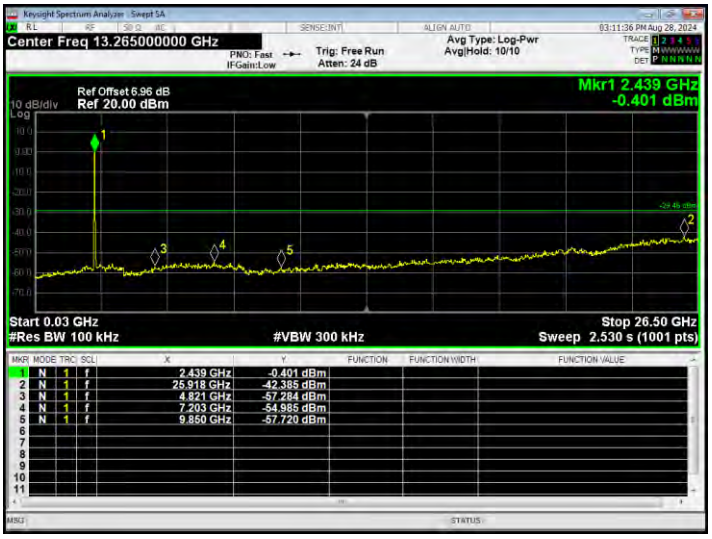
Tx. Spurious NVNT n20 2462MHz Ant1 Emission



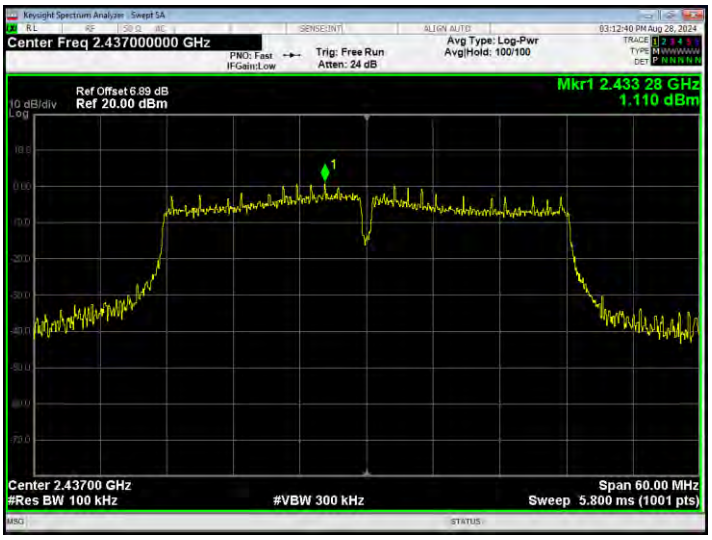
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



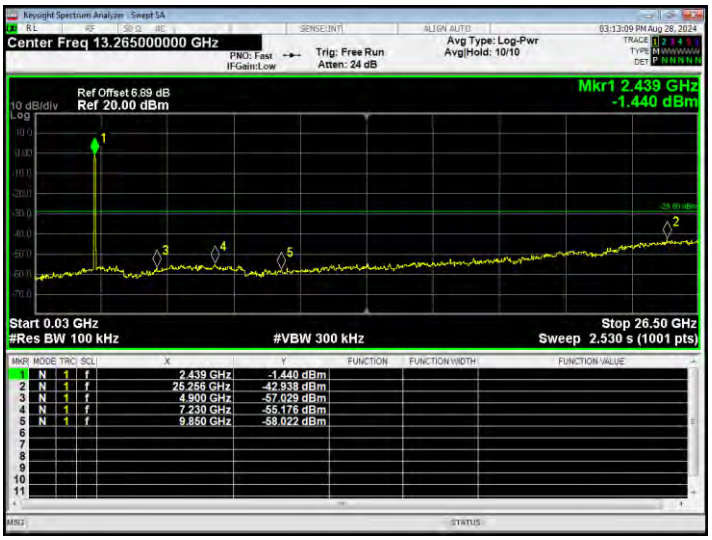
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



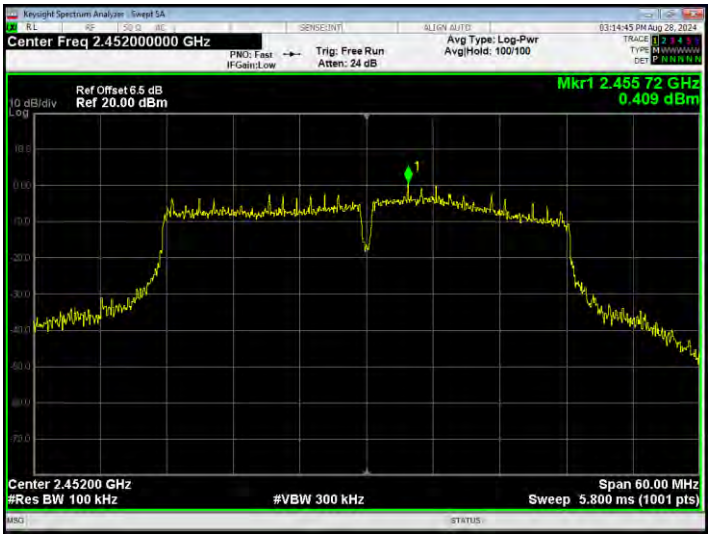
Tx. Spurious NVNT n40 2437MHz Ant1 Ref



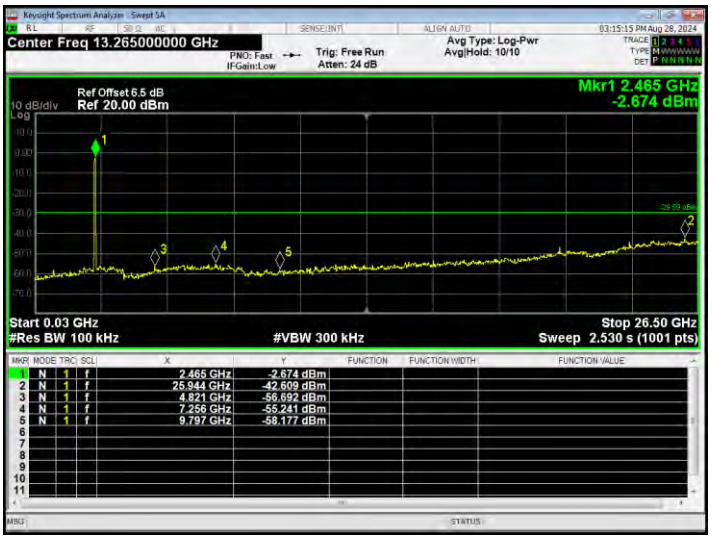
Tx. Spurious NVNT n40 2437MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission


Keysight Spectrum Analyzer - Swept SA
03:15:15 PM Aug 28, 2024
Center Freq 13.265000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 24 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
Ref Offset 6.5 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.465 GHz
-2.674 dBm
Start 0.03 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (1001 pts)
1 N 1 f 2.465 GHz -2.674 dBm
2 N 1 f 25.944 GHz -42.609 dBm
3 N 1 f 4.821 GHz -56.692 dBm
4 N 1 f 7.256 GHz -55.241 dBm
5 N 1 f 9.797 GHz -58.177 dBm