



REPORT No.: SZ24070315W02

TEST REPORT

APPLICANT : OnePlus Technology (Shenzhen) Co., Ltd.

PRODUCT NAME : Mobile Phone

MODEL NAME : CPH2647

BRAND NAME : Oneplus

FCC ID : 2ABZ2-OP23869

STANDARD(S) : 47 CFR Part 15 Subpart C

RECEIPT DATE : 2024-08-12

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DIRECTORY

1. Summary of Test Result	4
1.1. Testing Applied Standards	5
1.2. Test Equipment List	6
1.3. Measurement Uncertainty	8
1.4. Testing Laboratory	8
2. General Description	9
2.1. Information of Applicant and Manufacturer	9
2.2. Information of EUT	9
2.3. Channel List of EUT	11
2.4. Test Configuration of EUT	12
2.5. Test Conditions	12
2.6. Test Setup Layout Diagram	12
3. Test Results	15
3.1. Antenna Requirement	15
3.2. Hopping Mechanism	16
3.3. Number of Hopping Frequency	17
3.4. Duty Cycle of Test Signal	18
3.5. Maximum Peak Conducted Output Power	19
3.6. Maximum Average Conducted Output Power	20
3.7. 20 dB Bandwidth	21
3.8. Carried Frequency Separation	22
3.9. Time of Occupancy (Dwell time)	23
3.10. Conducted Spurious Emissions and Band Edge	24
3.11. Conducted Emission	25
3.12. Restricted Frequency Bands	26
3.13. Radiated Emission	27



REPORT No.: SZ24070315W02

Annex A Test Data and Result 29

Change History		
Version	Date	Reason for change
1.0	2024-10-02	First edition



1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	15.247(a) 15.247(h)	Hopping Mechanism	N/A	N/A	PASS	No deviation
3	15.247(a)	Number of Hopping Frequency	Sep. 18, 2024	Li Xinpeng	PASS	No deviation
4	ANSI C63.10	Duty Cycle	Aug. 30, 2024	Li Xinpeng	PASS	No deviation
5	15.247(b)	Maximum Peak Conducted Output Power	Aug. 30, 2024	Li Xinpeng	PASS	No deviation
6	15.247(b)	Maximum Average Conducted Output Power	Aug. 30, 2024	Li Xinpeng	PASS	No deviation
7	15.247(a)	20dB Bandwidth	Aug. 30, 2024	Li Xinpeng	PASS	No deviation
8	15.247(a)	Carrier Frequency Separation	Sep. 18, 2024	Li Xinpeng	PASS	No deviation
9	15.247(a)	Time of Occupancy (Dwell time)	Sep. 18, 2024	Li Xinpeng	PASS	No deviation
10	15.247(d)	Conducted Spurious Emission and Band Edge	Sep. 18, 2024	Li Xinpeng	PASS	No deviation
11	15.207	Conducted Emission	Aug. 14, 2024	Fan Shengquan	PASS	No deviation
12	15.247(d)	Restricted Frequency Bands	Sep. 06, 2024	Li Hanbin	PASS	No deviation



13	15.209, 15.247(d)	Radiated Emission	Sep. 15, 2024	Li Hanbin	PASS	No deviation
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Note 1: The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013, KDB 558074 D01 v05r02 and DA 00-075.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.1. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 15 Subpart C Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2024.02.19	2025.02.18
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 Conducted Emission Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2024.01.25	2025.01.24
LISN	8127449	NSLK 8127	Schwarzbeck	2024.02.02	2025.02.01
Pulse Limiter (10dB)	VTSD 9561 F- B #206	VTSD 9561-F	Schwarzbeck	2024.05.30	2025.05.29
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2024.07.02	2025.07.01

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
Morlab EMCR	Morlab	V1.2
TS+ -[JS32-CE]	Tonscend	V2.5.0.0

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
Notch Filter	N/A	WRCG-2400-2483.5-60SS	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09



1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Number of Hopping Frequency	±5%	Confidence levels of 95%
Peak Output Power	±2.22dB	Confidence levels of 95%
Bandwidth	±5%	Confidence levels of 95%
Carrier Frequency Separation	±5%	Confidence levels of 95%
Time of Occupancy (Dwell time)	±5%	Confidence levels of 95%
Conducted Spurious Emission	±2.77dB	Confidence levels of 95%
Restricted Frequency Bands	±5%	Confidence levels of 95%
Radiated Emission	±2.95dB	Confidence levels of 95%
Conducted Emission	±2.44dB	Confidence levels of 95%

1.4. Testing Laboratory

Laboratory Name	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
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FCC Designation Number	CN1192
FCC Test Firm Registration Number	226174



2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	OnePlus Technology (Shenzhen) Co., Ltd.
Applicant Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China.
Manufacturer	OnePlus Technology (Shenzhen) Co., Ltd.
Manufacturer Address	18C02, 18C03, 18C04, and 18C05, Shum Yip Terra Building, Binhe Avenue North, Futian District, Shenzhen, Guangdong, P.R. China.

2.2. Information of EUT

Product Name:	Mobile Phone	
Sample No.:	8#	
Hardware Version:	11	
Software Version:	OxygenOS 15.0	
Equipment Type:	Bluetooth classic	
Bluetooth Version:	5.4	
Modulation Type:	FHSS (GFSK(1Mbps), $\pi/4$ -DQPSK(EDR 2Mbps), 8-DPSK(EDR 3Mbps))	
Operating Frequency Range:	2402MHz-2480MHz	
Antenna Type:	IFA Antenna	
Antenna Gain:	ANT1: 0.9dBi ANT8: 0.1dBi ANT9: -1.8dBi	
Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BLPB25
	Serial No.:	N/A
	Rated Capacity:	5860mAh
	Rated Voltage:	3.93V
	Charge Limit:	4.53V
	Manufacturer:	Sunwoda Electronic CO.,LTD.



Accessory Information:	AC Adapter	
	Brand Name:	N/A
	Model No.:	VCB80AUH
	Serial No.:	N/A
	Rated Output:	5V $\Rightarrow$ 2A; 5-11V $\Rightarrow$ 5A; 5-11V $\Rightarrow$ 7.3A
	Rated Input:	100-240V $\sim$ 50/60Hz, 2.0A
	Manufacturer1:	Dongguan Aohai Technology Co.,Ltd.
	Manufacturer2:	Huizhou Golden Lake Industrial Co., Ltd.

Note 1: The EUT has three antennas and it operates in single antenna. All of the antennas were evaluated separately, only the worst test result (ANT8) were recorded in the test report.

Note 2: We use the dedicated software to control the EUT continuous transmission.

Note 3: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



2.3.Channel List of EUT

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2422	40	2442	60	2462
1	2403	21	2423	41	2443	61	2463
2	2404	22	2424	42	2444	62	2464
3	2405	23	2425	43	2445	63	2465
4	2406	24	2426	44	2446	64	2466
5	2407	25	2427	45	2447	65	2467
6	2408	26	2428	46	2448	66	2468
7	2409	27	2429	47	2449	67	2469
8	2410	28	2430	48	2450	68	2470
9	2411	29	2431	49	2451	69	2471
10	2412	30	2432	50	2452	70	2472
11	2413	31	2433	51	2453	71	2473
12	2414	32	2434	52	2454	72	2474
13	2415	33	2435	53	2455	73	2475
14	2416	34	2436	54	2456	74	2476
15	2417	35	2437	55	2457	75	2477
16	2418	36	2438	56	2458	76	2478
17	2419	37	2439	57	2459	77	2479
18	2420	38	2440	58	2460	78	2480
19	2421	39	2441	59	2461		

Note 1: The black bold channels were selected for test.

2.4. Test Configuration of EUT

Test mode is used to control the EUT under the maximum power level during test.

2.5. Test Conditions

Temperature (°C)	15–35
Relative Humidity (%)	30–60
Atmospheric Pressure (kPa)	86–106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

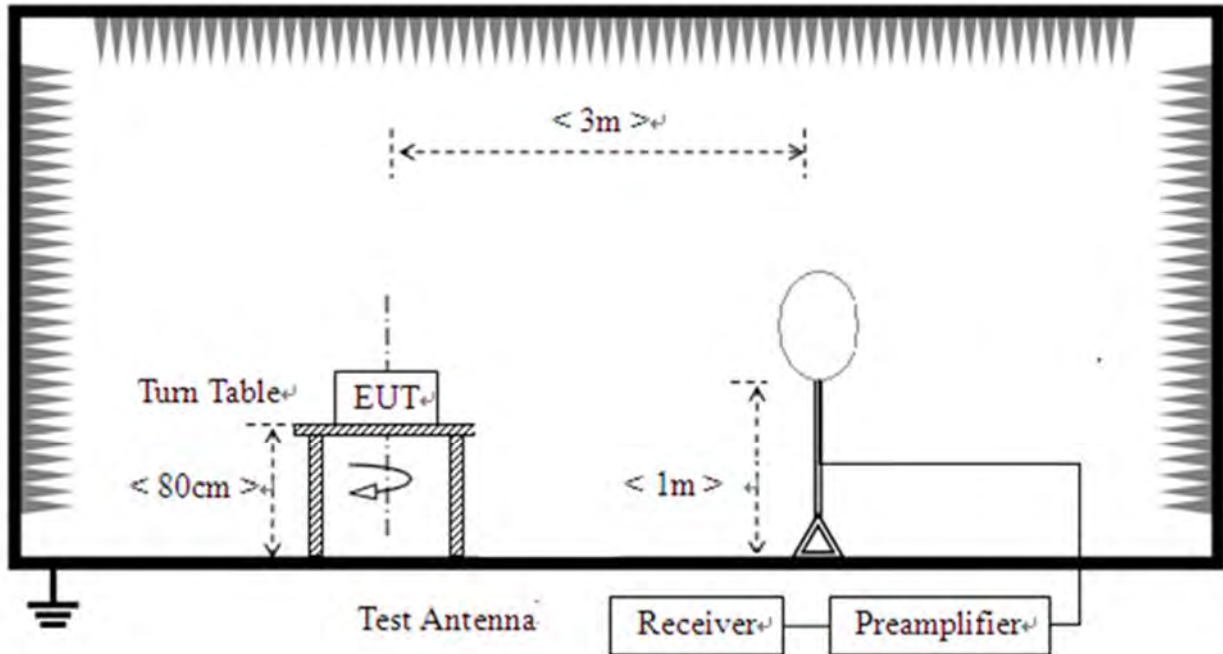


2.6.2. Conducted Emission Measurement

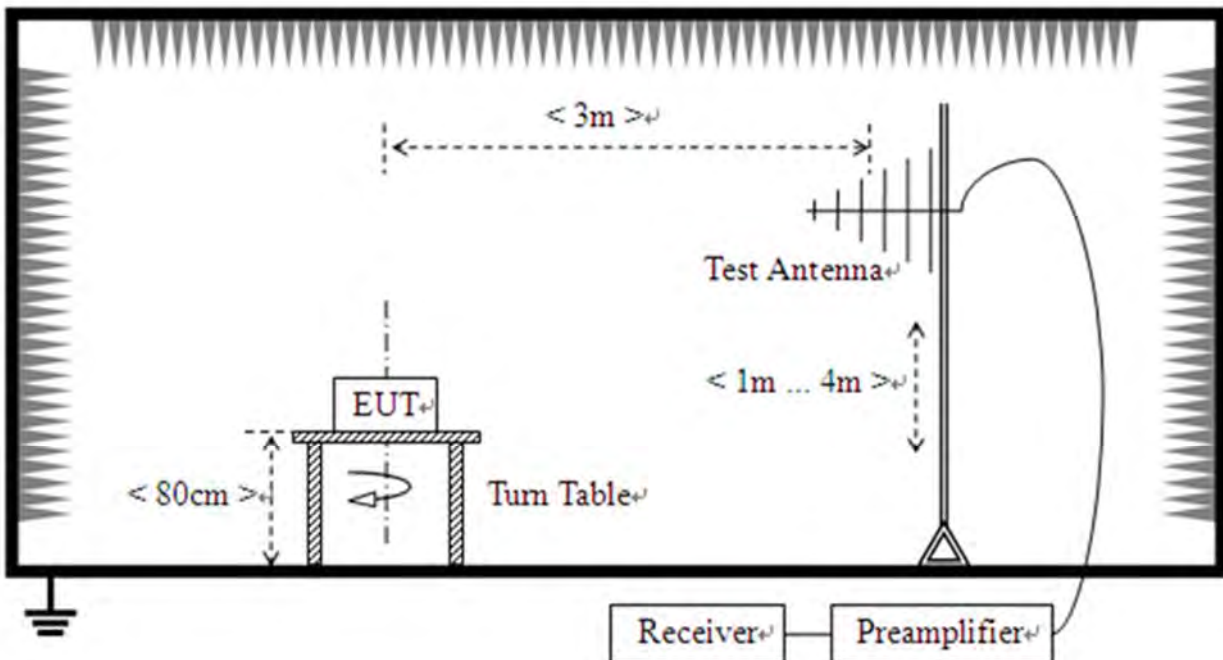


2.6.3.Radiation Measurement

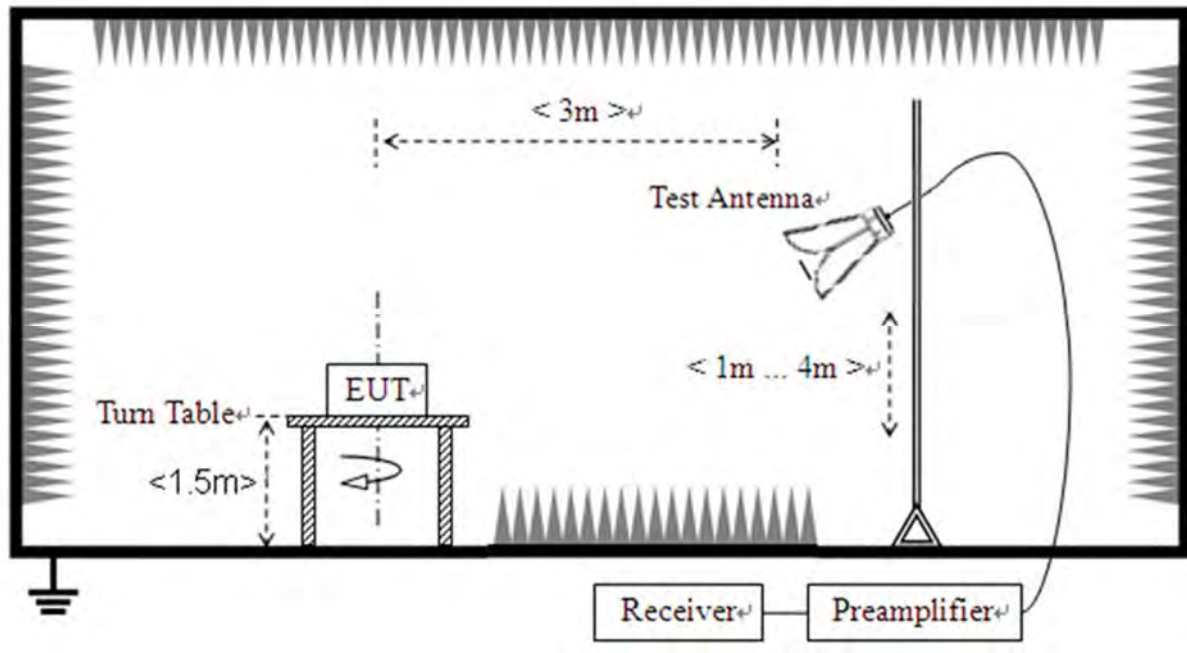
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



3) For radiated emissions above 1GHz





3. Test Results

3.1. Antenna Requirement

3.1.1. Requirement

According to FCC 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

3.1.2. Test Result

Antenna location	Antenna Type	Coupling Method
☒ Internal ☐ External	☐ FPC Antenna ☐ Spring Antenna ☐ Ceramic Antenna ☐ Integrated Antenna ☐ Dipole Antenna ☐ PCB Antenna ☒ IFA Antenna	☐ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☒ Metal Shrapnel



3.2. Hopping Mechanism

3.2.1. Requirement

According to FCC section 15.247(a)(1), a frequency hopping spread spectrum system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

According to FCC section 15.247(h), the incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hop sets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

3.2.2. Test Result

The hopping mechanism of the EUT is in compliance with the document "**Bluetooth core specification v5.1**".



3.3. Number of Hopping Frequency

3.3.1. Requirement

According to FCC section 15.247(a)(1)(iii), frequency hopping systems operating in the 2400MHz to 2483.5MHz bands shall use at least 15 hopping frequencies.

3.3.2. Test Procedures

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Span = the frequency band of operation

RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize

3.3.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4. Test Result

Refer to Annex A.1 in this report.



3.4. Duty Cycle of Test Signal

3.4.1. Requirement

Preferably, all measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%). When continuous operation cannot be realized, then the use of sweep triggering/signal gating techniques can be used to ensure that measurements are made only during transmissions at the maximum power control level. Such sweep triggering/signal gating techniques will require knowledge of the minimum transmission duration (T) over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Sweep triggering/signal gating techniques can then be used if the measurement/sweep time of the analyzer can be set such that it does not exceed T at any time that data are being acquired (i.e., no transmitter OFF-time is to be considered).

When continuous transmission cannot be achieved and sweep triggering/signal gating cannot be implemented, alternative procedures are provided that can be used to measure the average power; however, they will require an additional measurement of the transmitter duty cycle (D). Within this sub clause, the duty cycle refers to the fraction of time over which the transmitter is ON and is transmitting at its maximum power control level. The duty cycle is considered to be constant if variations are less than $\pm 2\%$; otherwise, the duty cycle is considered to be non constant.

3.4.2. Test Result

Refer to Annex A.2 in this report.



3.5. Maximum Peak Conducted Output Power

3.5.1. Requirement

According to FCC section 15.247(b)(1), for frequency hopping systems that operates in the 2400MHz to 2483.5MHz band employing at least 75 hopping channels, the maximum peak output power of the intentional radiator shall not exceed 1Watt. For all other frequency hopping systems in the 2400MHz to 2483.5MHz band, it is 0.125Watts.

3.5.2. Test Procedures

KDB 558074 Section 8.3.1 was used in order to prove compliance.

3.5.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.4. Test Result

Refer to Annex A.3 in this report.



3.6. Maximum Average Conducted Output Power

3.6.1. Requirement

According to FCC section 15.247(b)(1), for frequency hopping systems that operates in the 2400MHz to 2483.5MHz band employing at least 75 hopping channels, the maximum peak output power of the intentional radiator shall not exceed 1Watt. For all other frequency hopping systems in the 2400MHz to 2483.5MHz band, it is 0.125Watts.

3.6.2. Test Procedures

KDB 558074 Section 8.3.2 was used in order to prove compliance.

3.6.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.6.4. Test Result

Refer to Annex A.4 in this report.



3.7.20 dB Bandwidth

3.7.1.Requirement

According to FCC section 15.247(a)(1), the 20 dB bandwidth is known as the 99% emission bandwidth, or 20 dB bandwidth ($10 \cdot \log 1\% = 20 \text{ dB}$) taking the total RF output power.

3.7.1.Test Procedures

Use the following spectrum analyzer settings:

Span = between 2 to 5 times the OBW, centered on the test channel

RBW= 1% to 5% of the OBW

VBW $\geq 3 \times$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

3.7.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.7.3.Test Result

Refer to Annex A.5 in this report.



3.8. Carried Frequency Separation

3.8.1. Requirement

According to FCC section 15.247(a)(1), frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

3.8.2. Test Procedures

The EUT must have its hopping function enabled. According to DA 00-705, use the following spectrum analyzer settings:

Span = wide enough to capture the peaks of two adjacent channels

Resolution (or IF) Bandwidth (RBW) $\geq 1\%$ of the span

Video (or Average) Bandwidth (VBW) $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels.

3.8.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.8.4. Test Result

Refer to Annex A.6 in this report.



3.9. Time of Occupancy (Dwell time)

3.9.1. Requirement

According to FCC section 15.247(a) (1) (iii), frequency hopping systems in the 2400 - 2483.5MHz band shall use at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used.

3.9.2. Test Procedures

Normal Mode:

DH1: Dwell time equal to Pulse time (ms) $\times (1600 / 2 / 79) \times 31.6$ Millisecond
DH3: Dwell time equal to Pulse time (ms) $\times (1600 / 4 / 79) \times 31.6$ Millisecond
DH5: Dwell time equal to Pulse Time (ms) $\times (1600 / 6 / 79) \times 31.6$ Millisecond

AFH Mode:

DH1: Dwell time equal to Pulse time (ms) $\times (800 / 2 / 20) \times (0.4 \times 20)$ Millisecond
DH3: Dwell time equal to Pulse time (ms) $\times (800 / 4 / 20) \times (0.4 \times 20)$ Millisecond
DH5: Dwell time equal to Pulse Time (ms) $\times (800 / 6 / 20) \times (0.4 \times 20)$ Millisecond.

3.9.3. Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.9.4. Test Result

Refer to Annex A.7 in this report.

3.10. Conducted Spurious Emissions and Band Edge

3.10.1.Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

3.10.2.Test Procedures

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.

RBW = 100 kHz

VBW $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize.

3.10.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.10.4.Test Result

Refer to Annex A.8 and A.9 in this report.

3.11. Conducted Emission

3.11.1.Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

Note:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.11.2.Test Procedures

The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

3.11.3.Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.11.4.Test Result

Refer to Annex A.10 in this report.



3.12. Restricted Frequency Bands

3.12.1.Requirement

According to FCC section 15.247(d), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

3.12.2.Test Procedures

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

Span = wide enough to fully capture the emission being measured

RBW = 1 MHz for $f \geq 1\text{GHz}$, 100 kHz for $f < 1\text{GHz}$

VBW = 3 MHz

Sweep = auto

Detector function = peak/average

Trace = max hold

Allow the trace to stabilize

3.12.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.12.4.Test Result

Refer to Annex A.11 in this report.

3.13. Radiated Emission

3.13.1.Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

Note1: For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

Note2:For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK).In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).



3.13.2.Test Procedures

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

3.13.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.13.4.Test Result

Refer to Annex A.12 in this report.



Annex A Test Data and Result

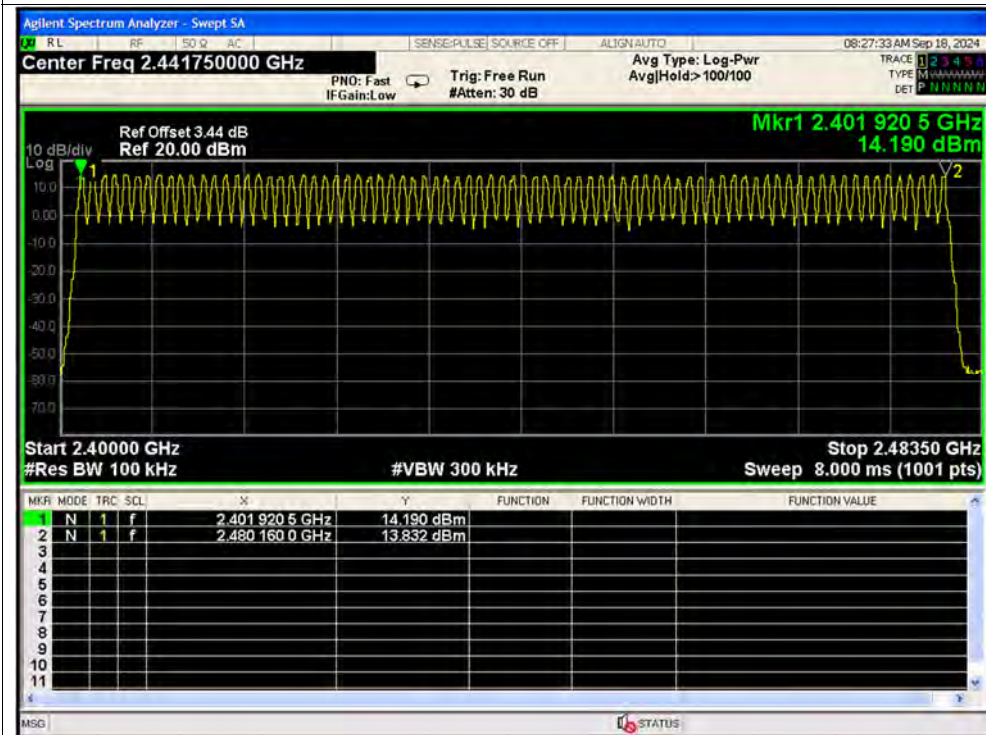
A.1. Number of Hopping Frequency

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	1-DH5	Ant8	79	15	Pass
NVNT	1-DH5	Ant9	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant8	79	15	Pass
NVNT	2-DH5	Ant9	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant8	79	15	Pass
NVNT	3-DH5	Ant9	79	15	Pass

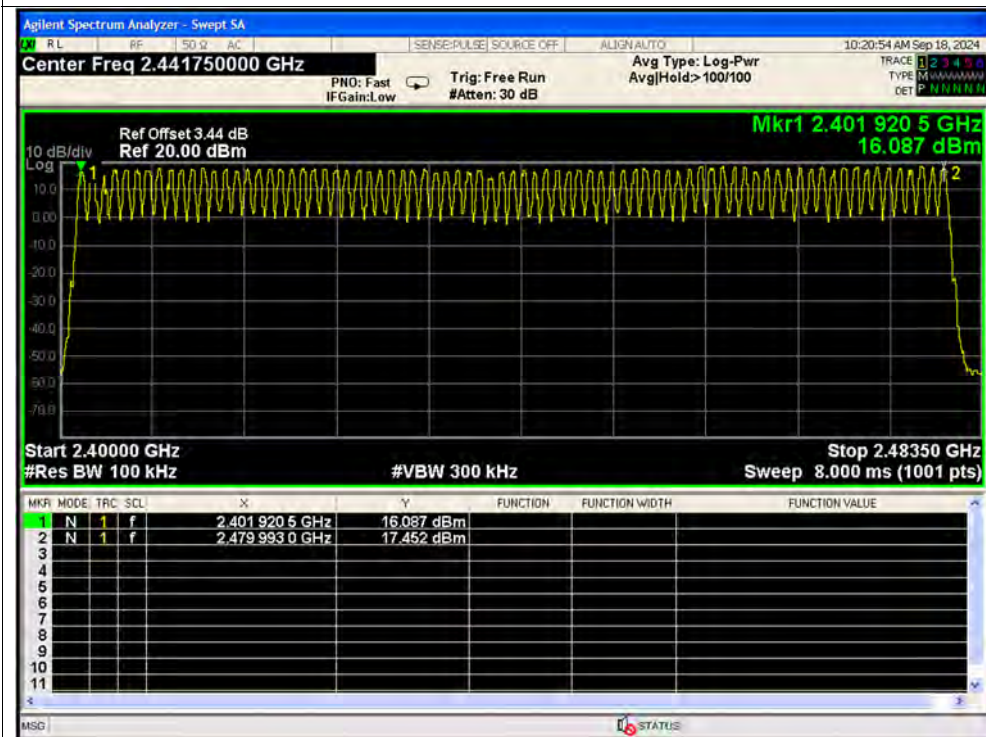


Test Graphs

Hopping No. NVNT 1-DH5 2402MHz Ant1

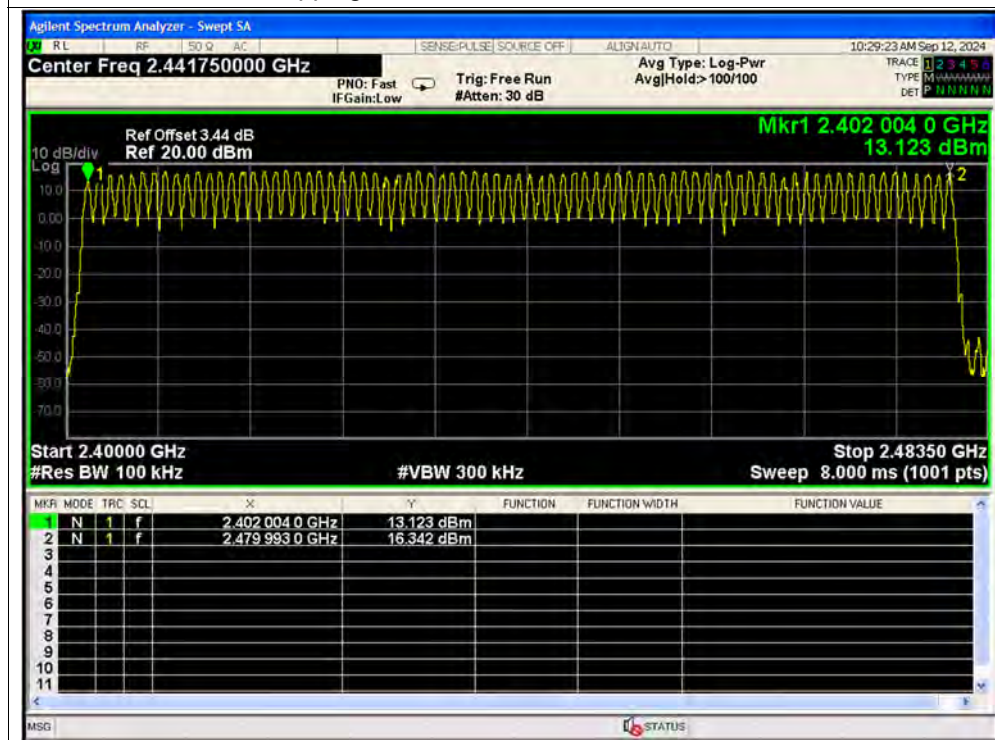


Hopping No. NVNT 1-DH5 2441MHz Ant8

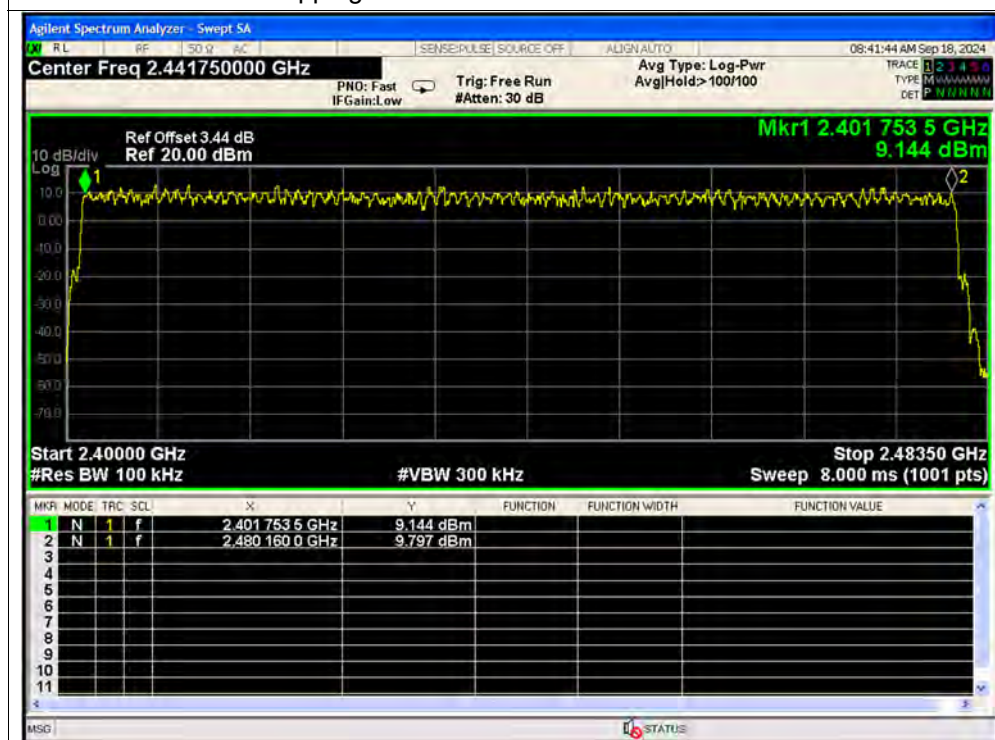




Hopping No. NVNT 1-DH5 2402MHz Ant9

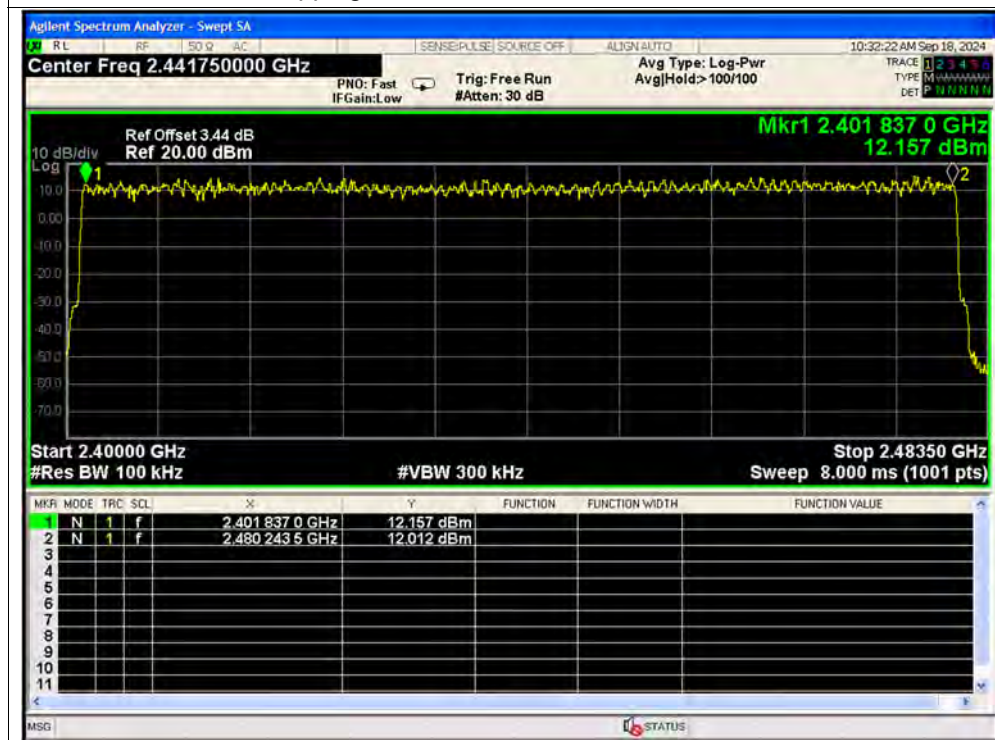


Hopping No. NVNT 2-DH5 2402MHz Ant1

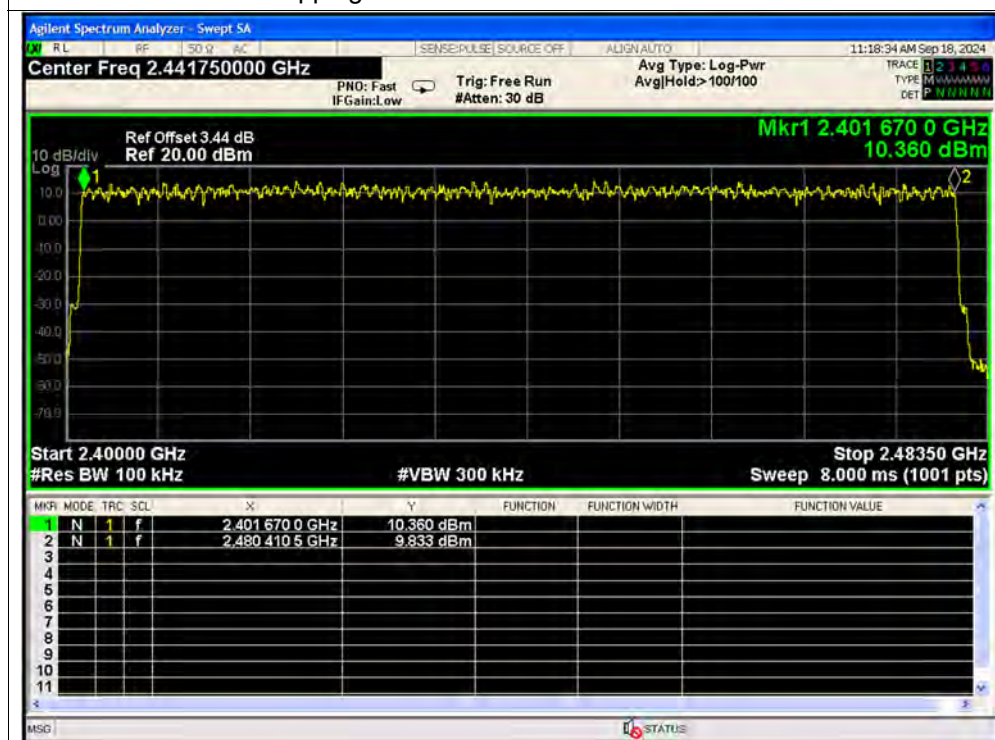




Hopping No. NVNT 2-DH5 2402MHz Ant8

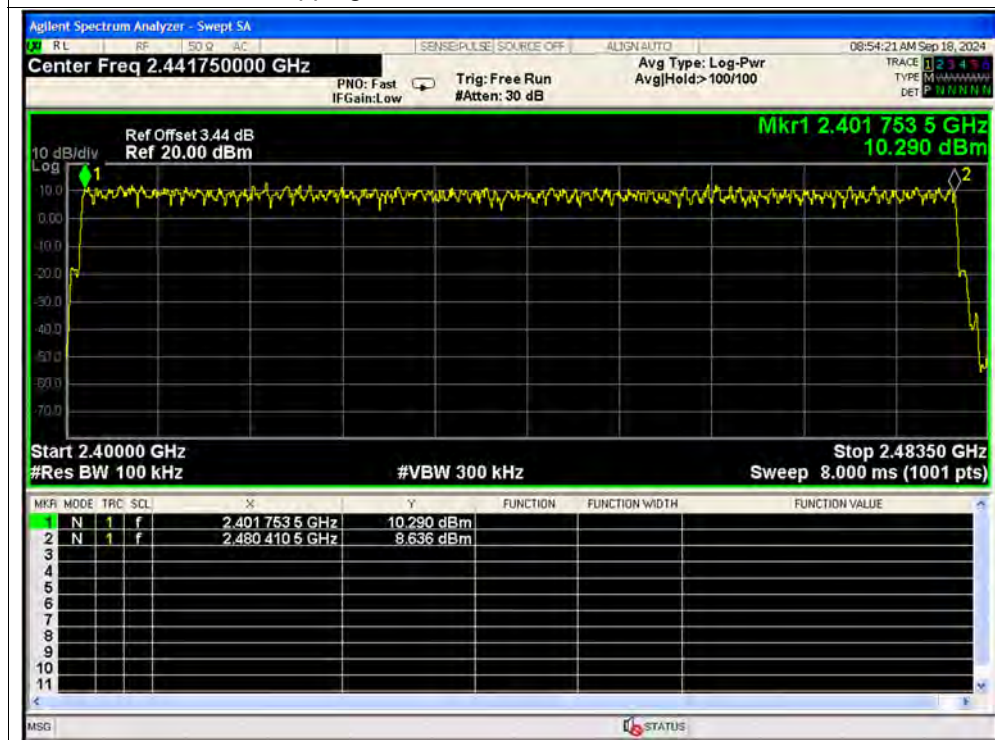


Hopping No. NVNT 2-DH5 2402MHz Ant9

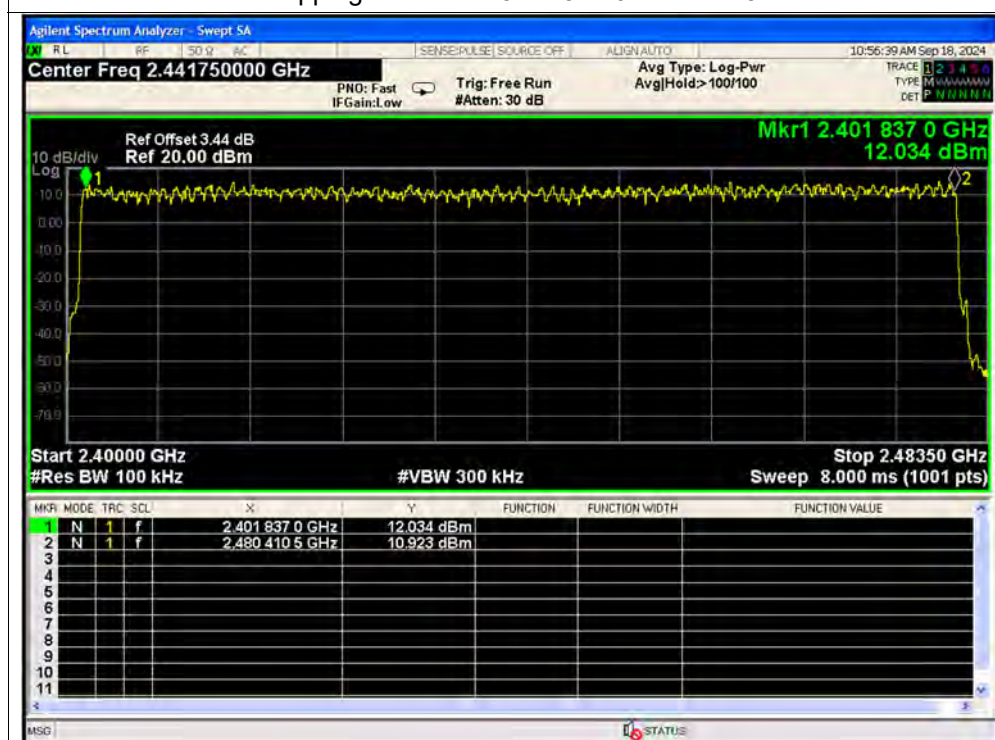




Hopping No. NVNT 3-DH5 2402MHz Ant1

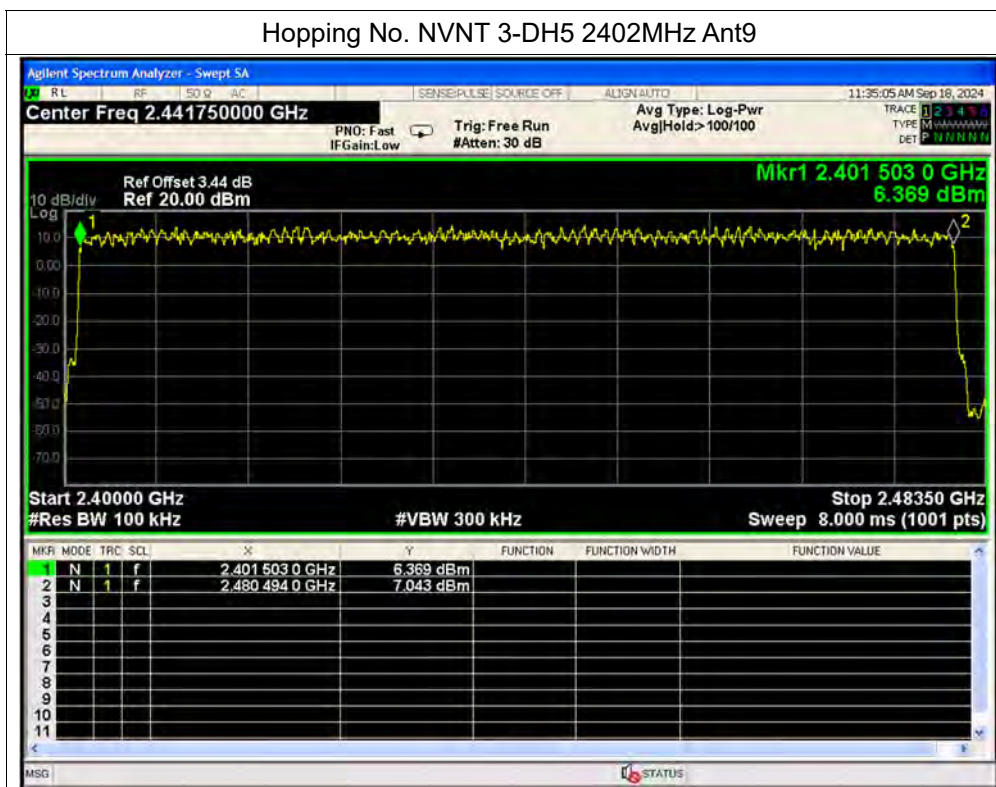


Hopping No. NVNT 3-DH5 2402MHz Ant8





Hopping No. NVNT 3-DH5 2402MHz Ant9

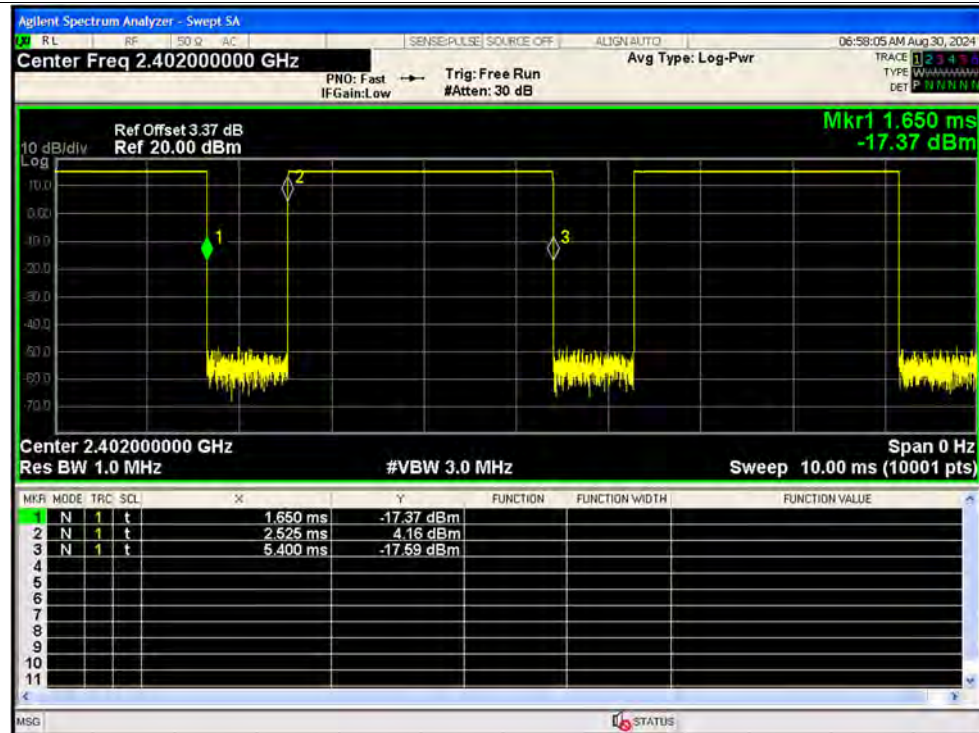


**A.2. Duty Cycle of Test Signal**

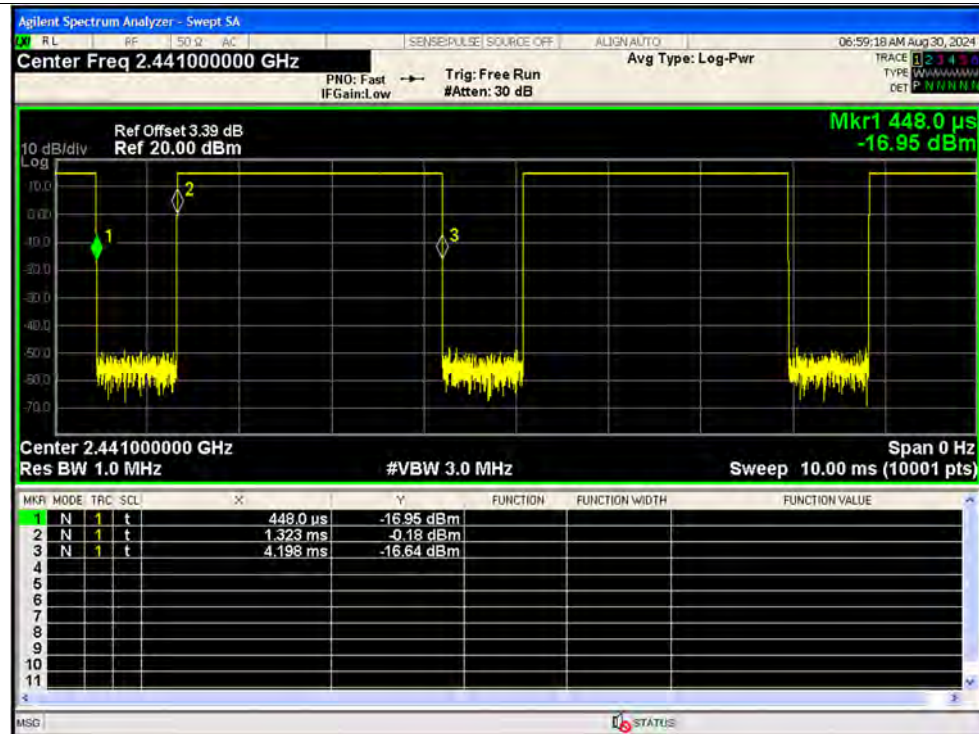
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	76.67	1.15	0.35
NVNT	1-DH5	2441	Ant1	76.67	1.15	0.35
NVNT	1-DH5	2480	Ant1	76.69	1.15	0.35
NVNT	1-DH5	2402	Ant8	76.75	1.15	0.35
NVNT	1-DH5	2441	Ant8	76.69	1.15	0.35
NVNT	1-DH5	2480	Ant8	76.72	1.15	0.35
NVNT	1-DH5	2402	Ant9	76.75	1.15	0.35
NVNT	1-DH5	2441	Ant9	76.72	1.15	0.35
NVNT	1-DH5	2480	Ant9	76.69	1.15	0.35
NVNT	2-DH5	2402	Ant1	63.55	1.97	0.42
NVNT	2-DH5	2441	Ant1	63.55	1.97	0.42
NVNT	2-DH5	2480	Ant1	63.55	1.97	0.42
NVNT	2-DH5	2402	Ant8	63.55	1.97	0.42
NVNT	2-DH5	2441	Ant8	63.55	1.97	0.42
NVNT	2-DH5	2480	Ant8	63.55	1.97	0.42
NVNT	2-DH5	2402	Ant9	63.55	1.97	0.42
NVNT	2-DH5	2441	Ant9	63.55	1.97	0.42
NVNT	2-DH5	2480	Ant9	63.55	1.97	0.42
NVNT	3-DH5	2402	Ant1	77.15	1.13	0.35
NVNT	3-DH5	2441	Ant1	77.12	1.13	0.35
NVNT	3-DH5	2480	Ant1	77.15	1.13	0.35
NVNT	3-DH5	2402	Ant8	77.15	1.13	0.35
NVNT	3-DH5	2441	Ant8	77.15	1.13	0.35
NVNT	3-DH5	2480	Ant8	77.15	1.13	0.35
NVNT	3-DH5	2402	Ant9	77.15	1.13	0.35
NVNT	3-DH5	2441	Ant9	77.15	1.13	0.35
NVNT	3-DH5	2480	Ant9	77.15	1.13	0.35

Test Graphs

Duty Cycle NVNT 1-DH5 2402MHz Ant1

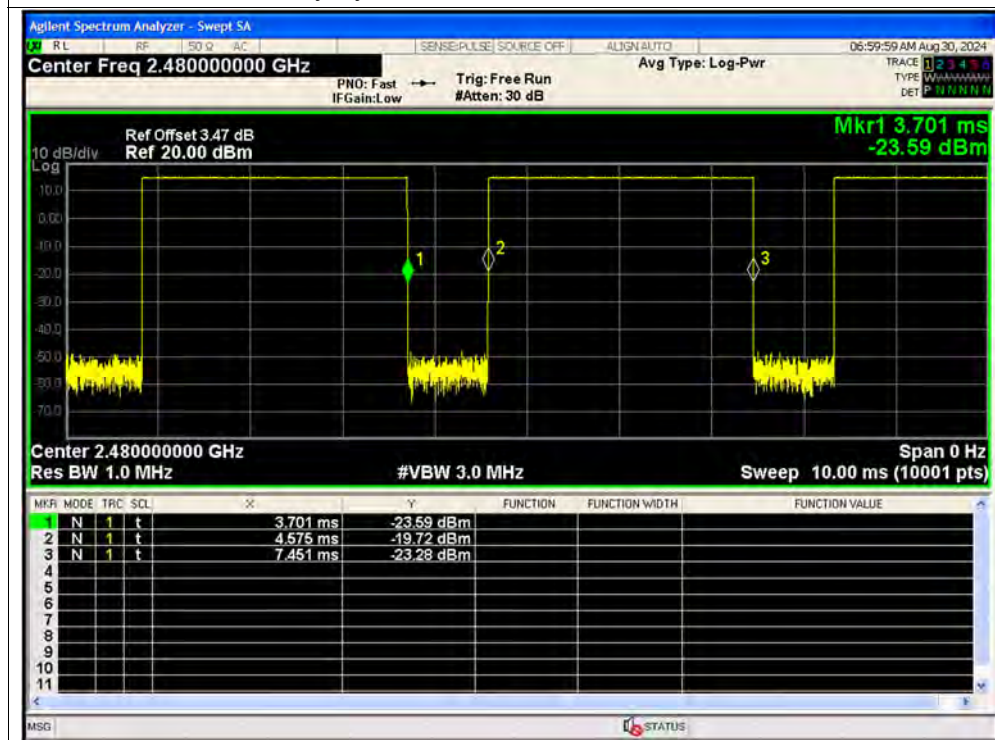


Duty Cycle NVNT 1-DH5 2441MHz Ant1

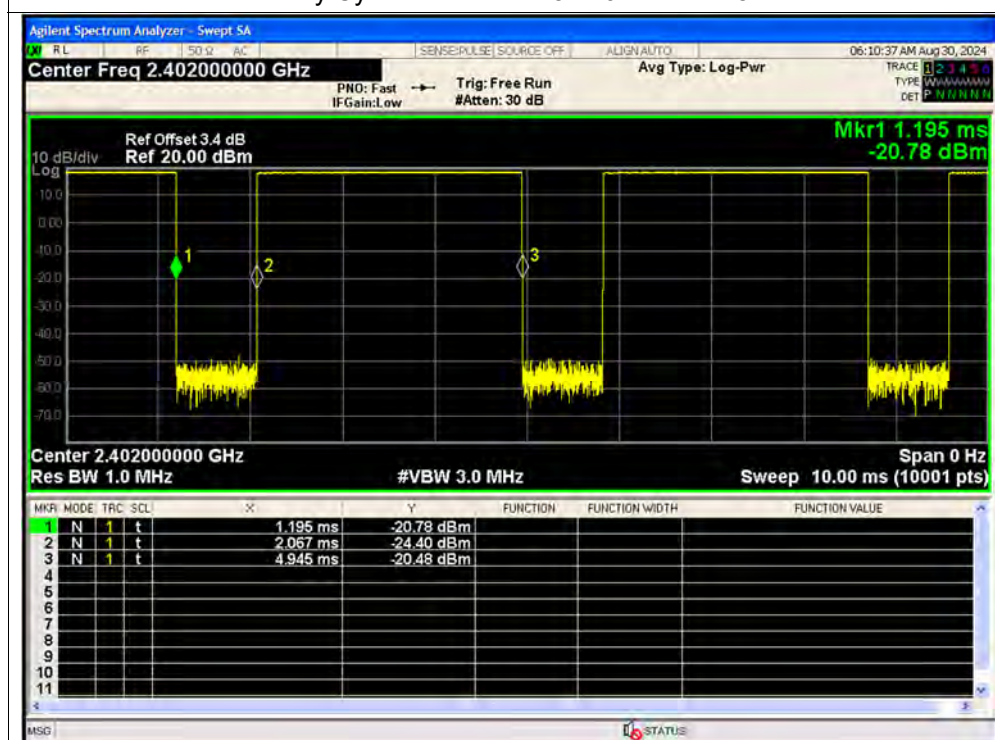




Duty Cycle NVNT 1-DH5 2480MHz Ant1

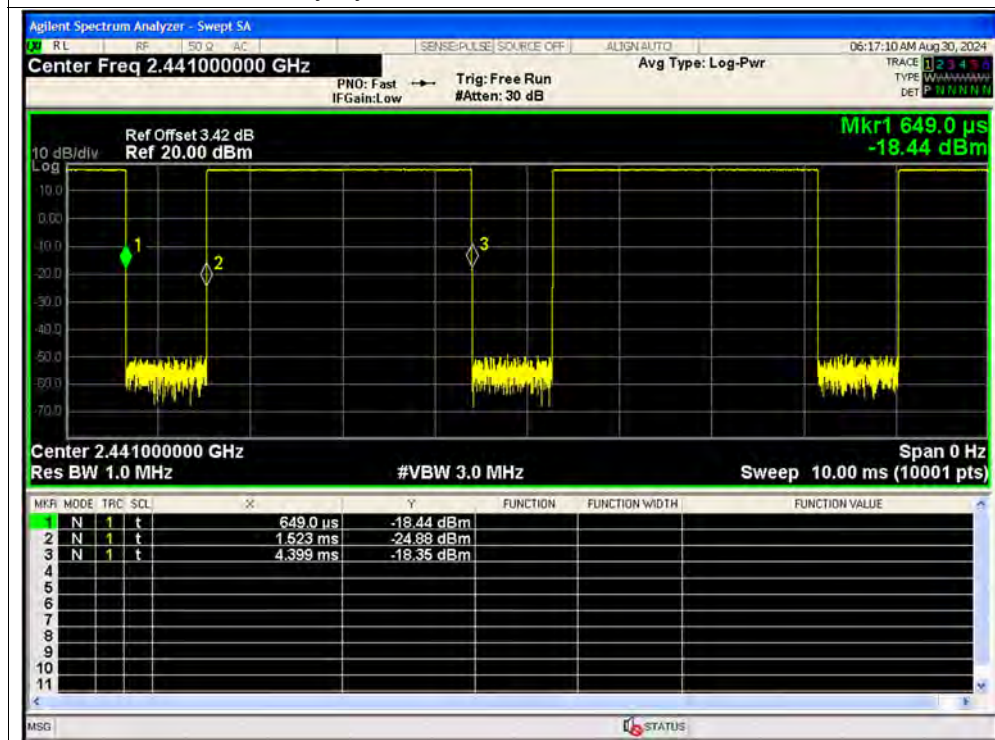


Duty Cycle NVNT 1-DH5 2402MHz Ant8

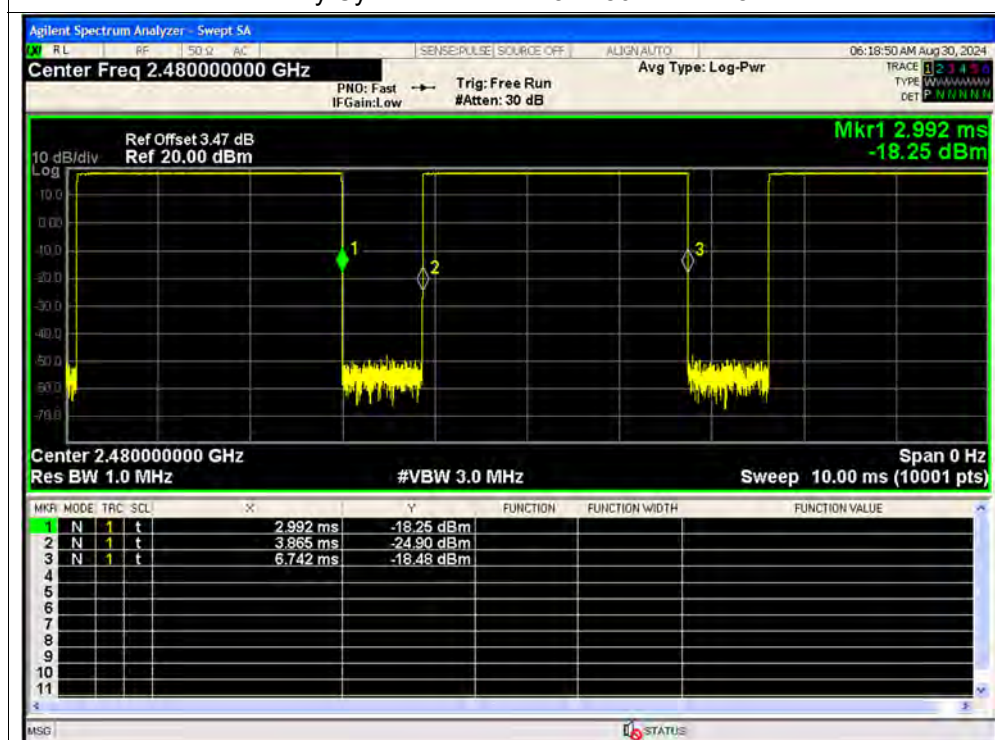




Duty Cycle NVNT 1-DH5 2441MHz Ant8

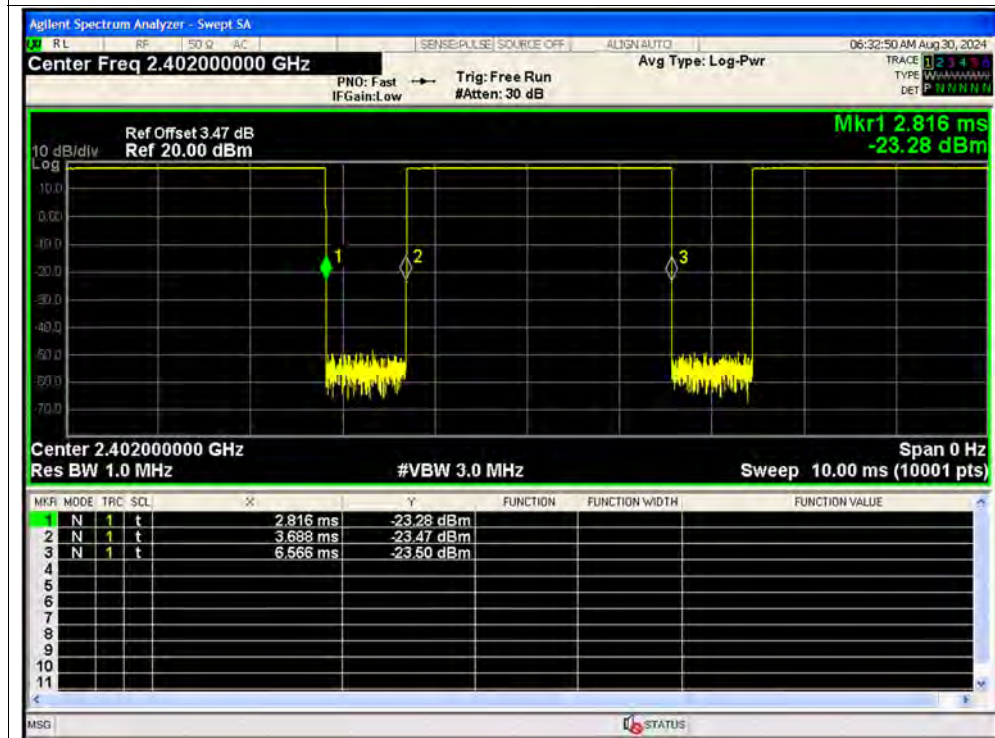


Duty Cycle NVNT 1-DH5 2480MHz Ant8

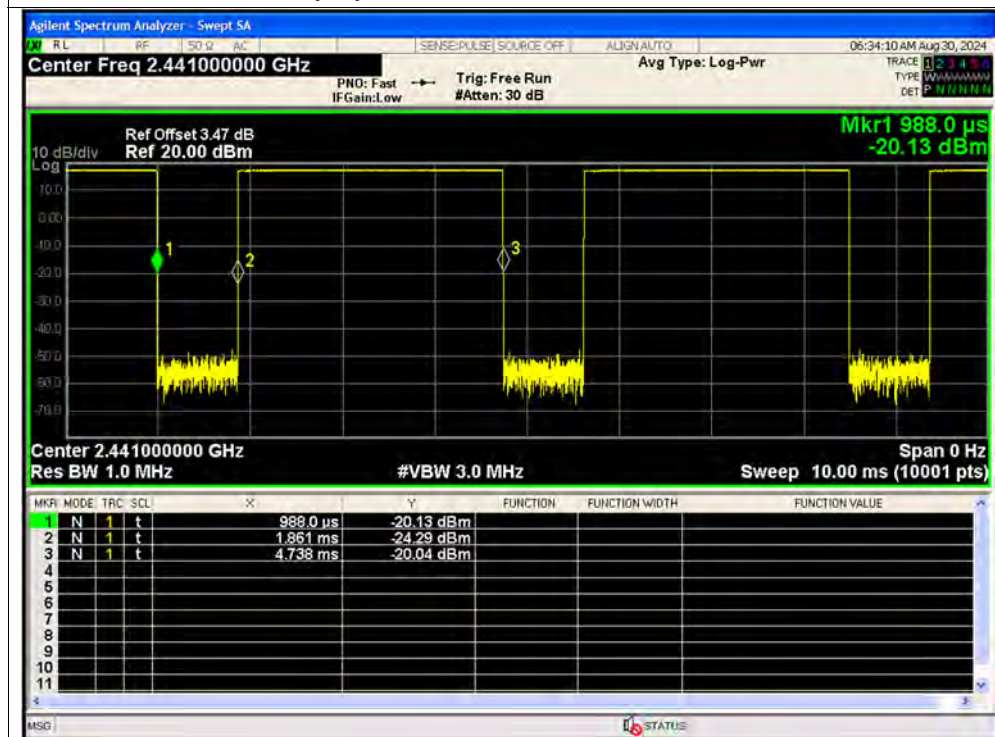




Duty Cycle NVNT 1-DH5 2402MHz Ant9

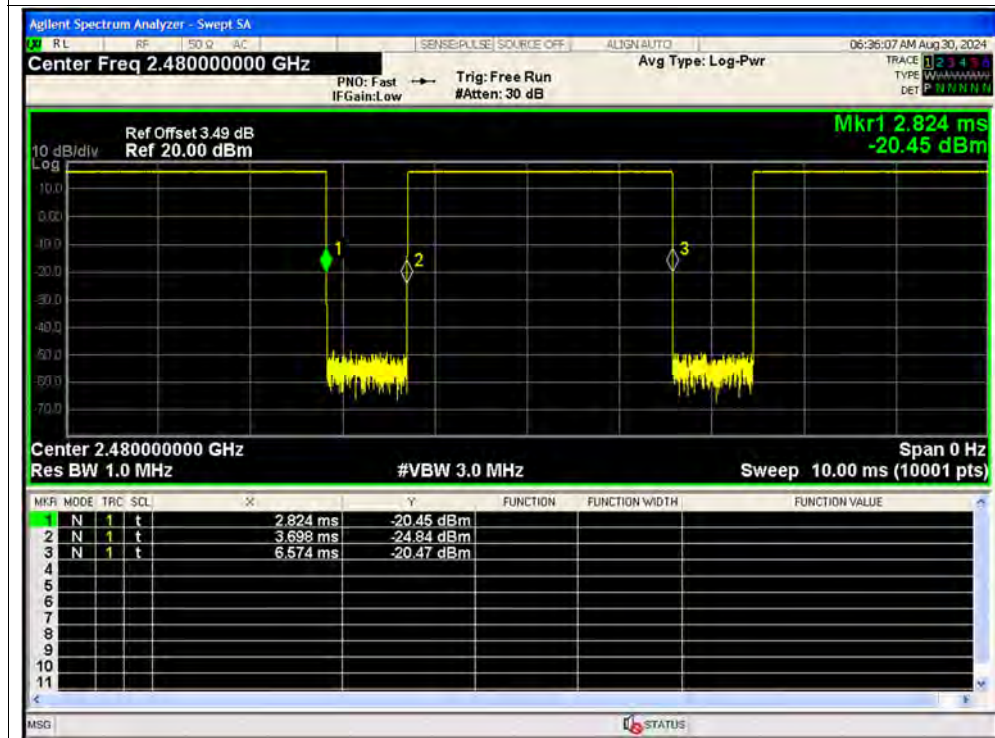


Duty Cycle NVNT 1-DH5 2441MHz Ant9

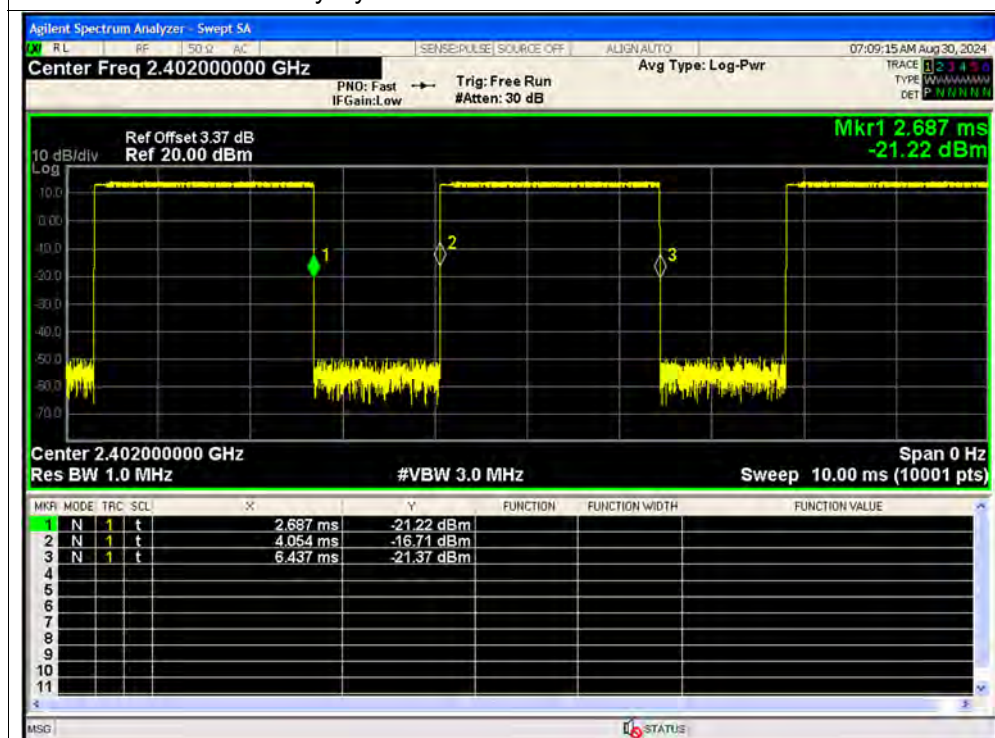




Duty Cycle NVNT 1-DH5 2480MHz Ant9

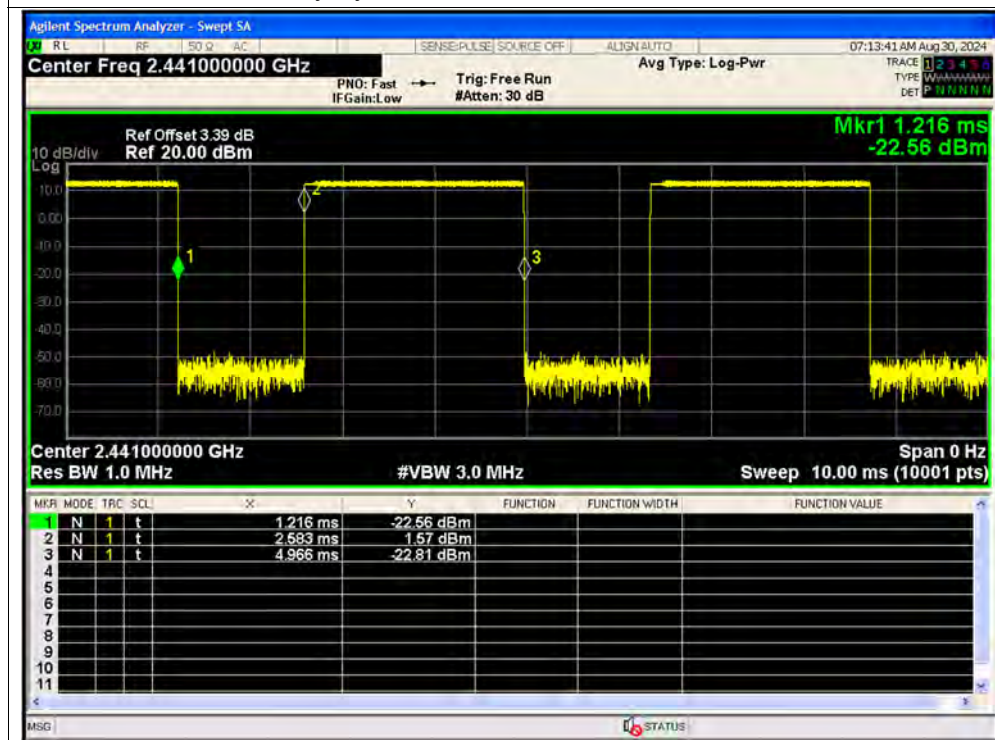


Duty Cycle NVNT 2-DH5 2402MHz Ant1

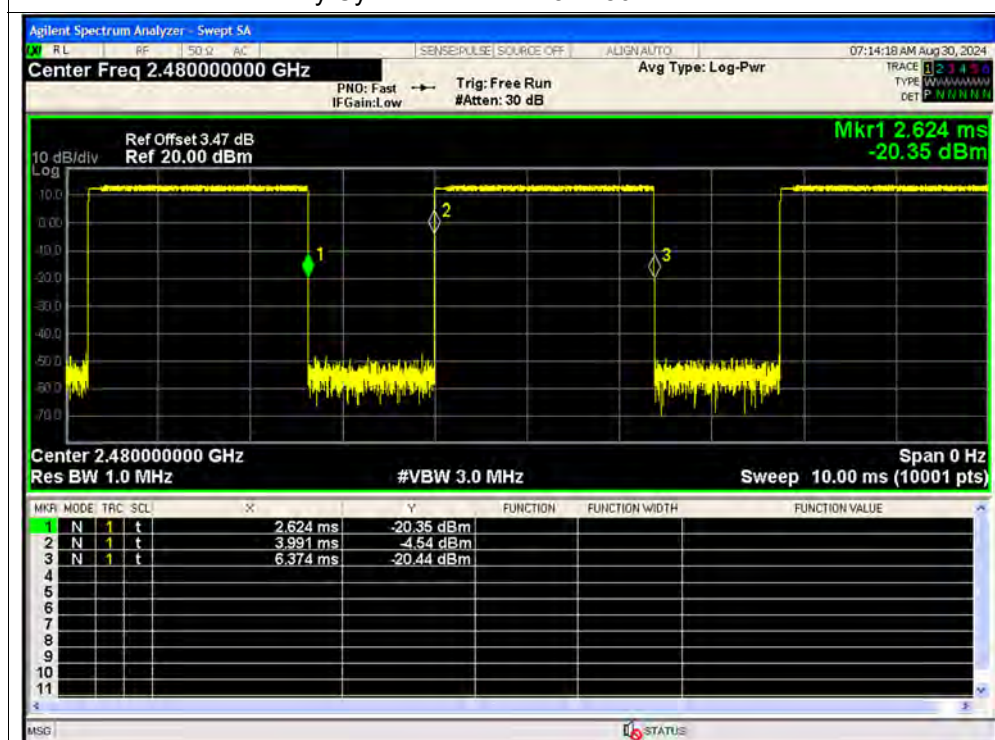




Duty Cycle NVNT 2-DH5 2441MHz Ant1

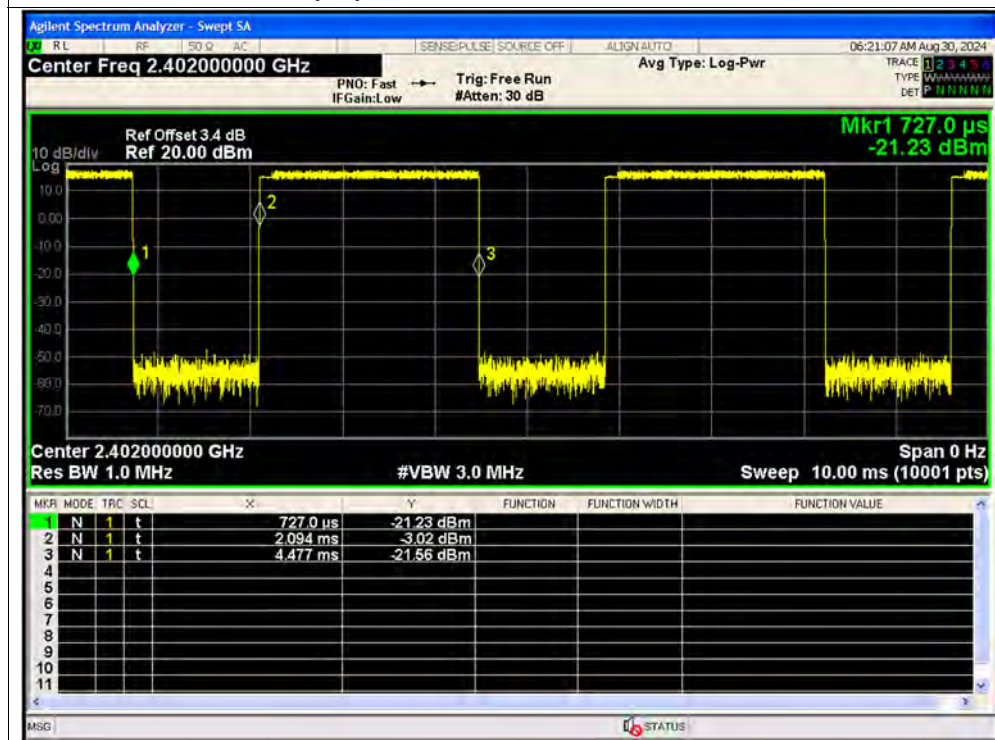


Duty Cycle NVNT 2-DH5 2480MHz Ant1

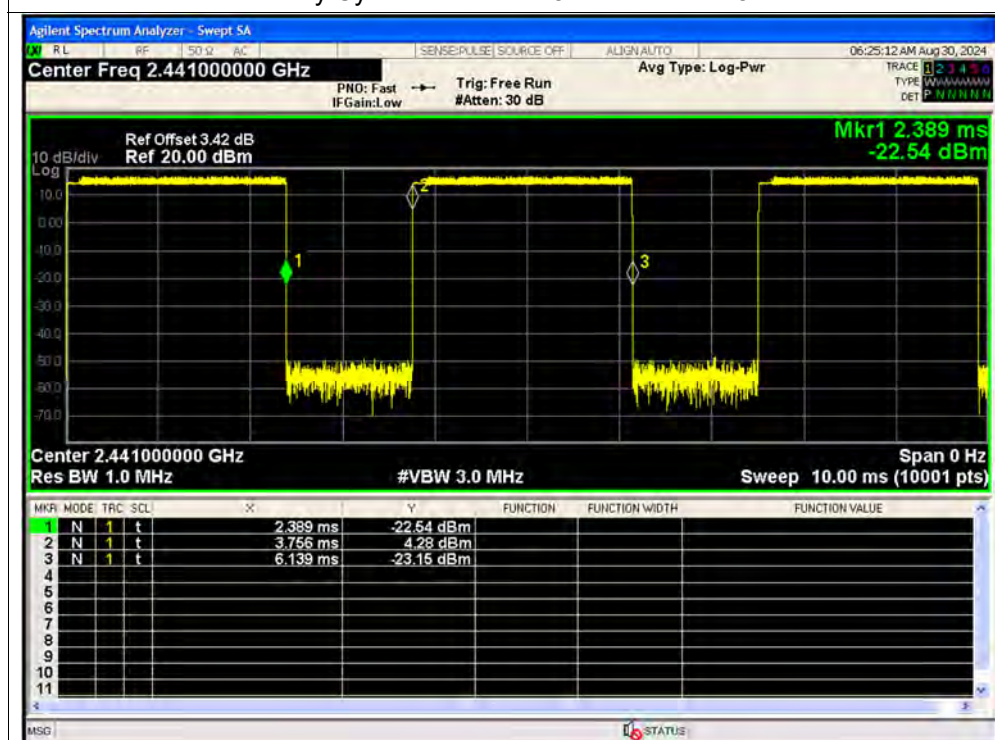




Duty Cycle NVNT 2-DH5 2402MHz Ant8

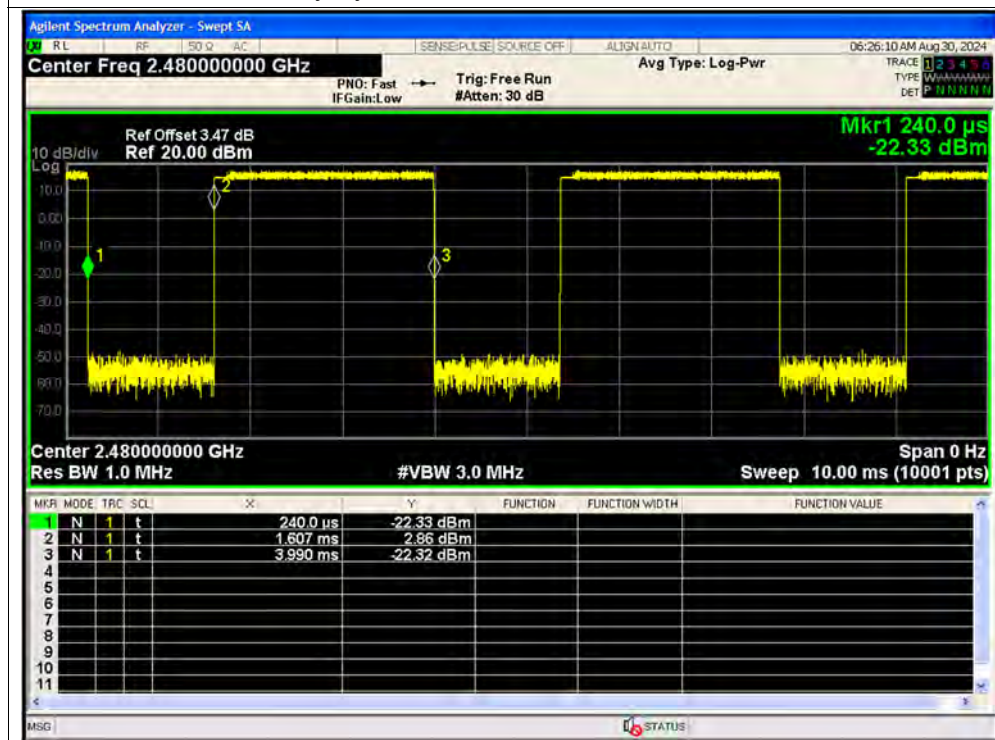


Duty Cycle NVNT 2-DH5 2441MHz Ant8

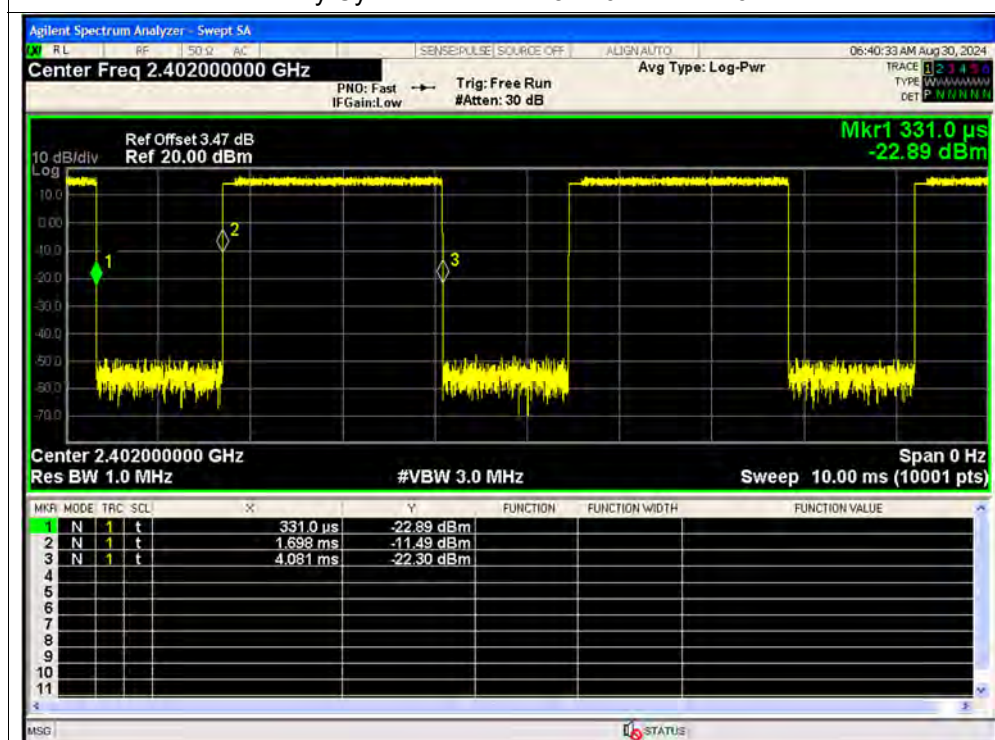




Duty Cycle NVNT 2-DH5 2480MHz Ant8

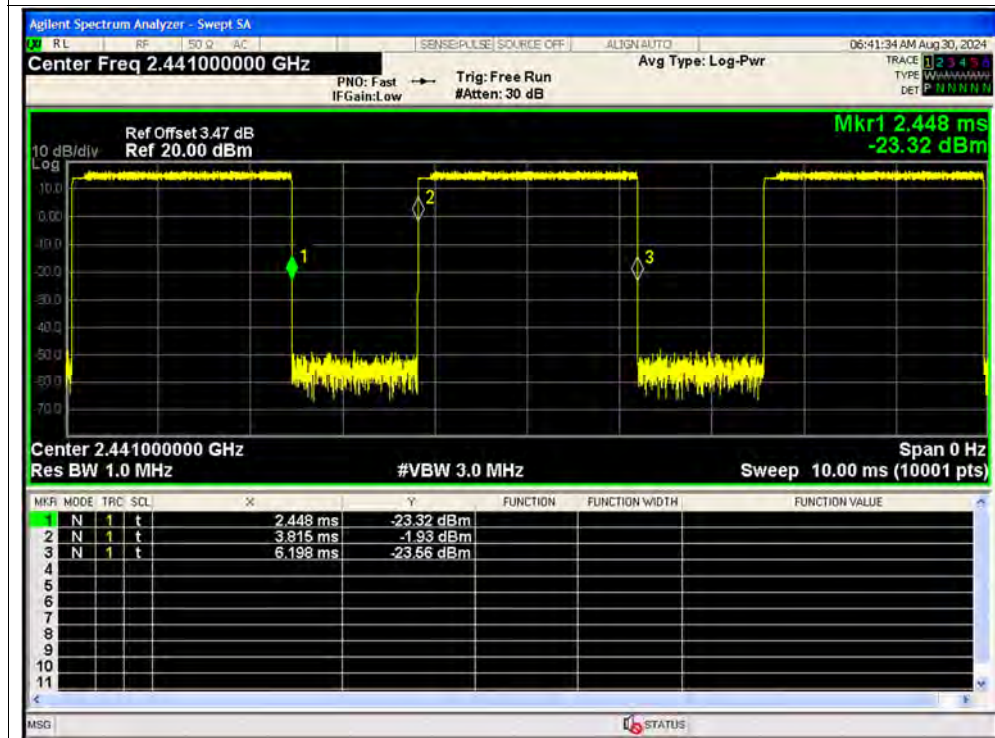


Duty Cycle NVNT 2-DH5 2402MHz Ant9

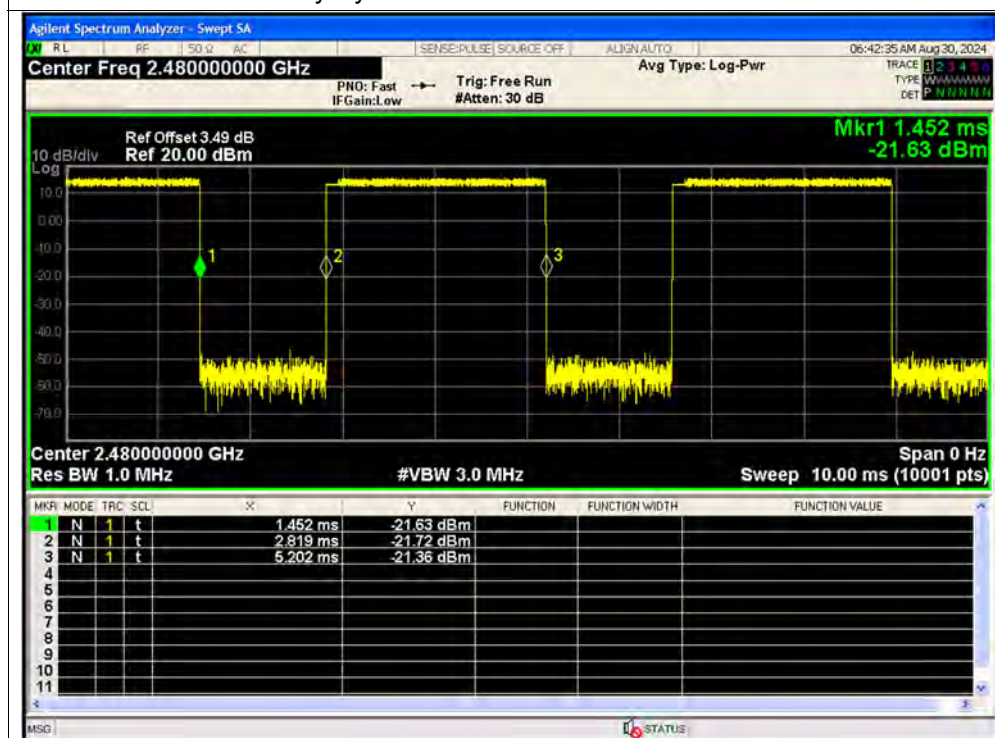




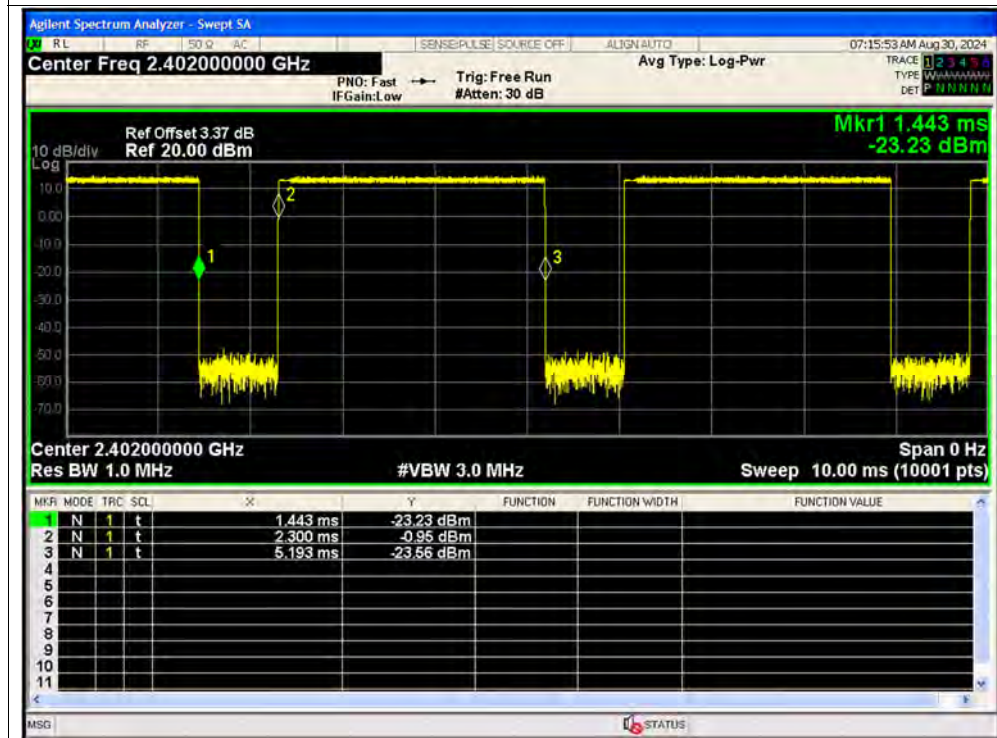
Duty Cycle NVNT 2-DH5 2441MHz Ant9



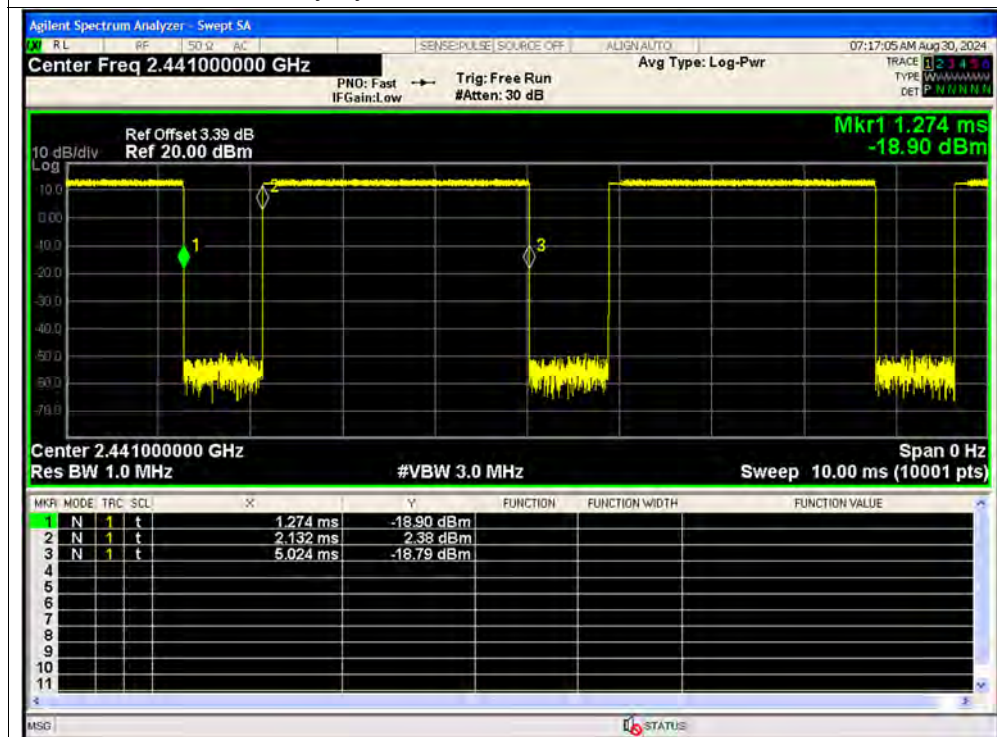
Duty Cycle NVNT 2-DH5 2480MHz Ant9



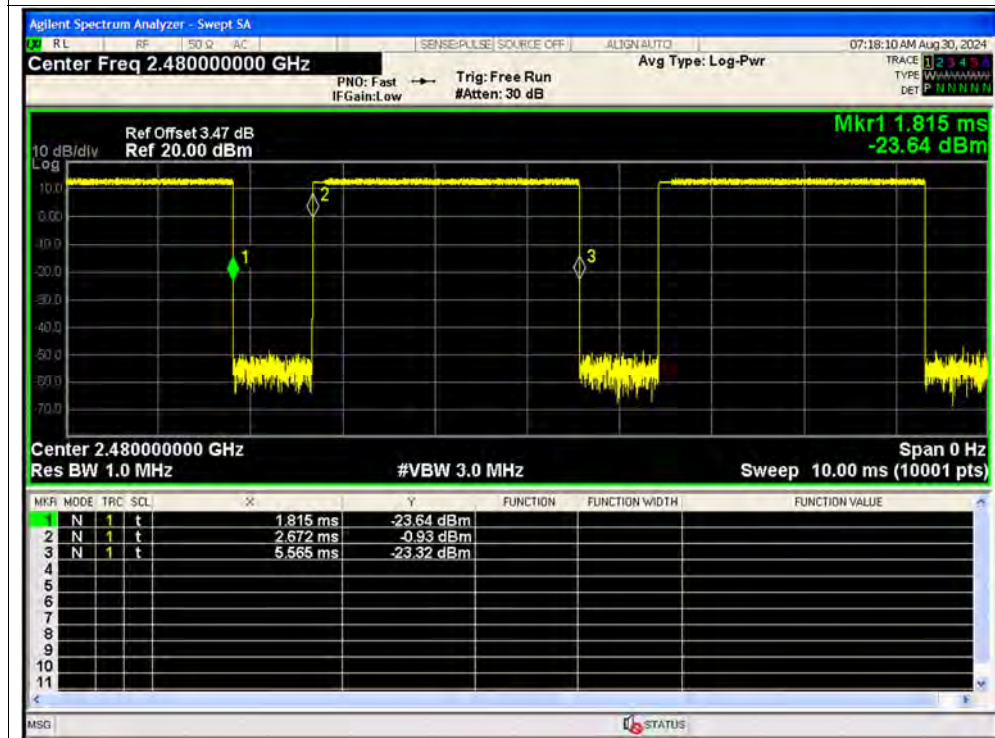
Duty Cycle NVNT 3-DH5 2402MHz Ant1



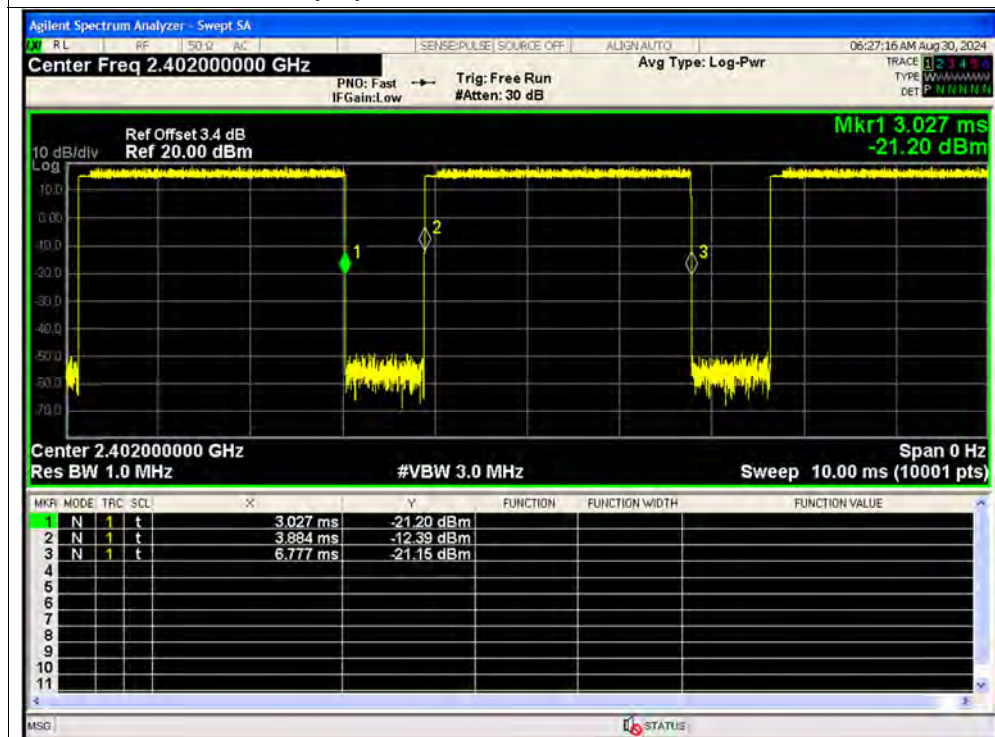
Duty Cycle NVNT 3-DH5 2441MHz Ant1



Duty Cycle NVNT 3-DH5 2480MHz Ant1

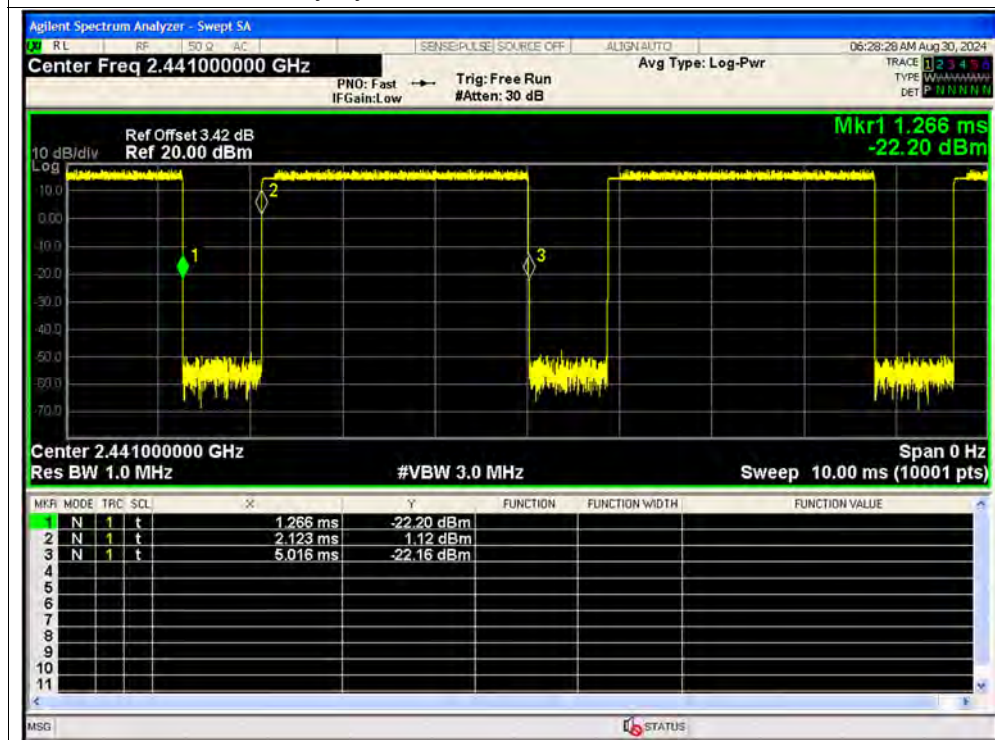


Duty Cycle NVNT 3-DH5 2402MHz Ant8

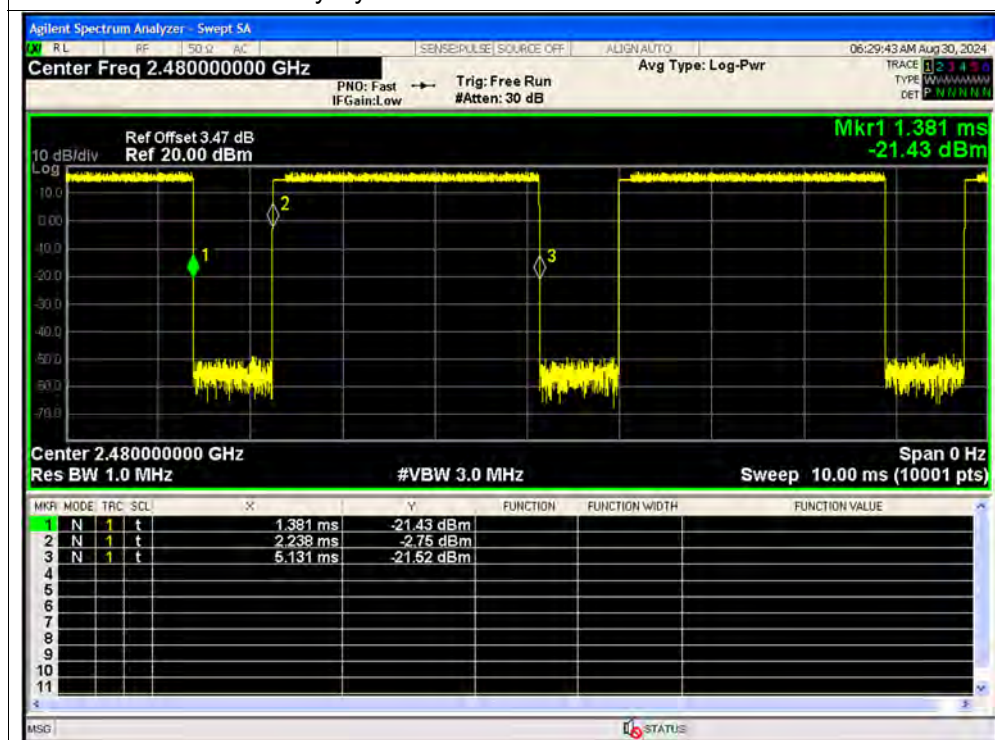




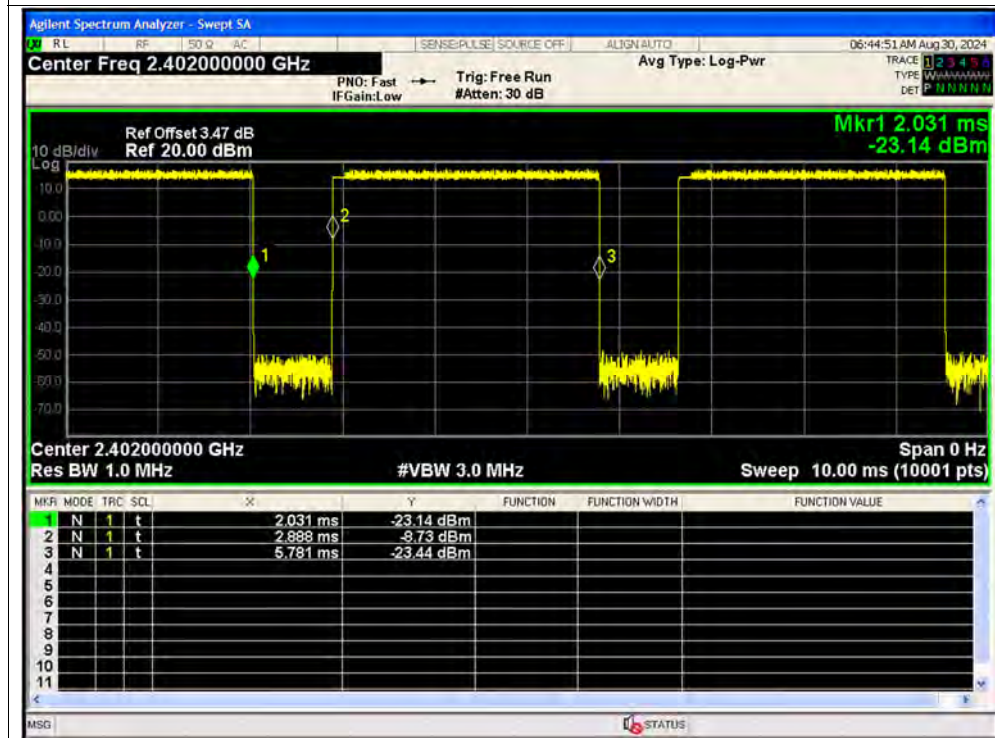
Duty Cycle NVNT 3-DH5 2441MHz Ant8



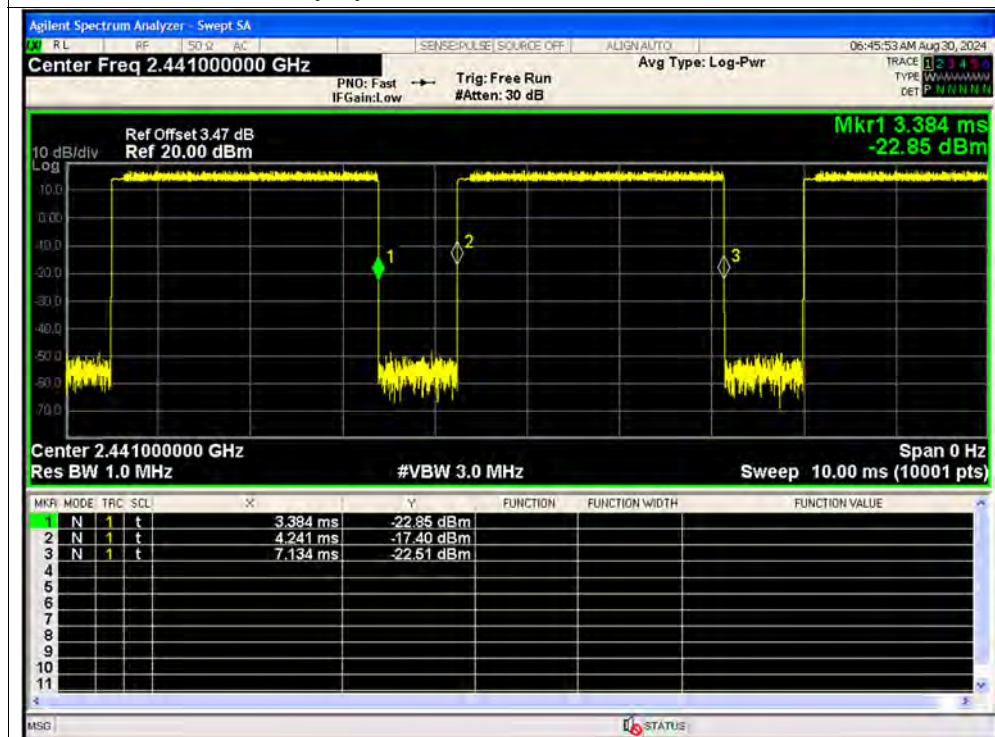
Duty Cycle NVNT 3-DH5 2480MHz Ant8



Duty Cycle NVNT 3-DH5 2402MHz Ant9

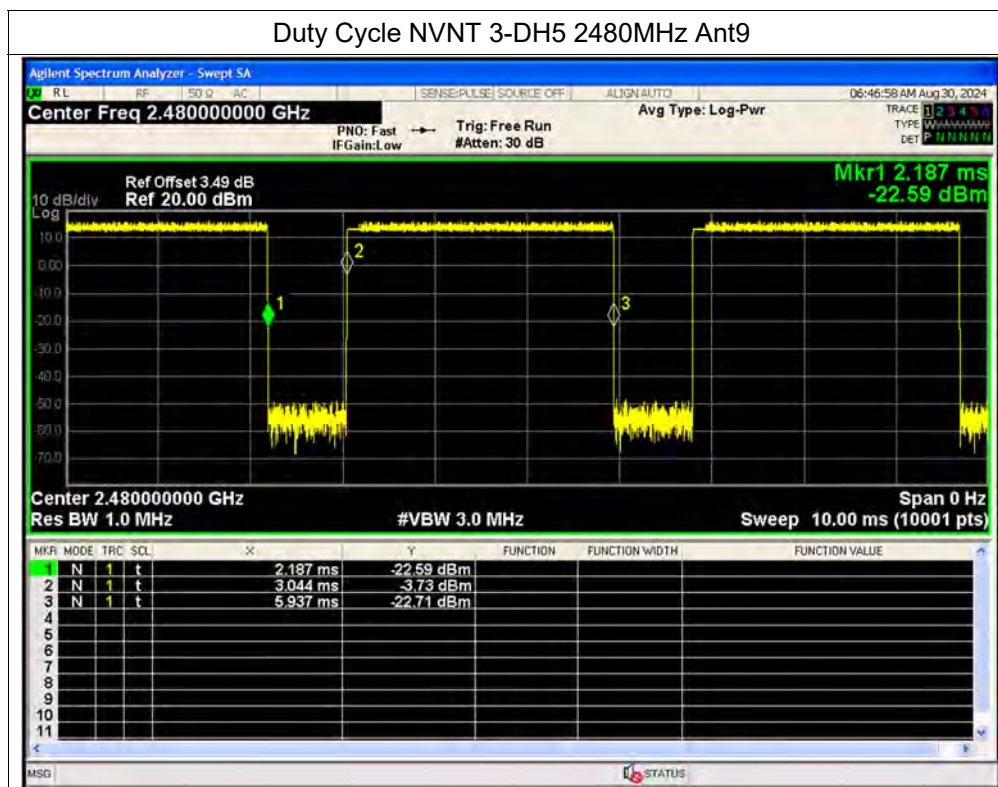


Duty Cycle NVNT 3-DH5 2441MHz Ant9





Duty Cycle NVNT 3-DH5 2480MHz Ant9



**A.3. Maximum Peak Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	15.25	0	15.25	0.0335	30	Pass
NVNT	1-DH5	2441	Ant1	14.84	0	14.84	0.03048	30	Pass
NVNT	1-DH5	2480	Ant1	14.76	0	14.76	0.02992	30	Pass
NVNT	1-DH5	2402	Ant8	18.31	0	18.31	0.06776	30	Pass
NVNT	1-DH5	2441	Ant8	17.75	0	17.75	0.05957	30	Pass
NVNT	1-DH5	2480	Ant8	17.95	0	17.95	0.06237	30	Pass
NVNT	1-DH5	2402	Ant9	17.77	0	17.77	0.05984	30	Pass
NVNT	1-DH5	2441	Ant9	17.42	0	17.42	0.05521	30	Pass
NVNT	1-DH5	2480	Ant9	16.48	0	16.48	0.04446	30	Pass
NVNT	2-DH5	2402	Ant1	14.42	0	14.42	0.02767	30	Pass
NVNT	2-DH5	2441	Ant1	14.57	0	14.57	0.02864	30	Pass
NVNT	2-DH5	2480	Ant1	13.85	0	13.85	0.02427	30	Pass
NVNT	2-DH5	2402	Ant8	18.01	0	18.01	0.06324	30	Pass
NVNT	2-DH5	2441	Ant8	17.5	0	17.5	0.05623	30	Pass
NVNT	2-DH5	2480	Ant8	17.66	0	17.66	0.05834	30	Pass
NVNT	2-DH5	2402	Ant9	16.99	0	16.99	0.05	30	Pass
NVNT	2-DH5	2441	Ant9	16.97	0	16.97	0.04977	30	Pass
NVNT	2-DH5	2480	Ant9	15.87	0	15.87	0.03864	30	Pass
NVNT	3-DH5	2402	Ant1	14.65	0	14.65	0.02917	30	Pass
NVNT	3-DH5	2441	Ant1	14.25	0	14.25	0.02661	30	Pass
NVNT	3-DH5	2480	Ant1	14.09	0	14.09	0.02564	30	Pass
NVNT	3-DH5	2402	Ant8	18.68	0	18.68	0.07379	30	Pass
NVNT	3-DH5	2441	Ant8	18.08	0	18.08	0.06427	30	Pass
NVNT	3-DH5	2480	Ant8	18.19	0	18.19	0.06592	30	Pass
NVNT	3-DH5	2402	Ant9	17.67	0	17.67	0.05848	30	Pass
NVNT	3-DH5	2441	Ant9	17.44	0	17.44	0.05546	30	Pass
NVNT	3-DH5	2480	Ant9	16.4	0	16.4	0.04365	30	Pass

Test Graphs

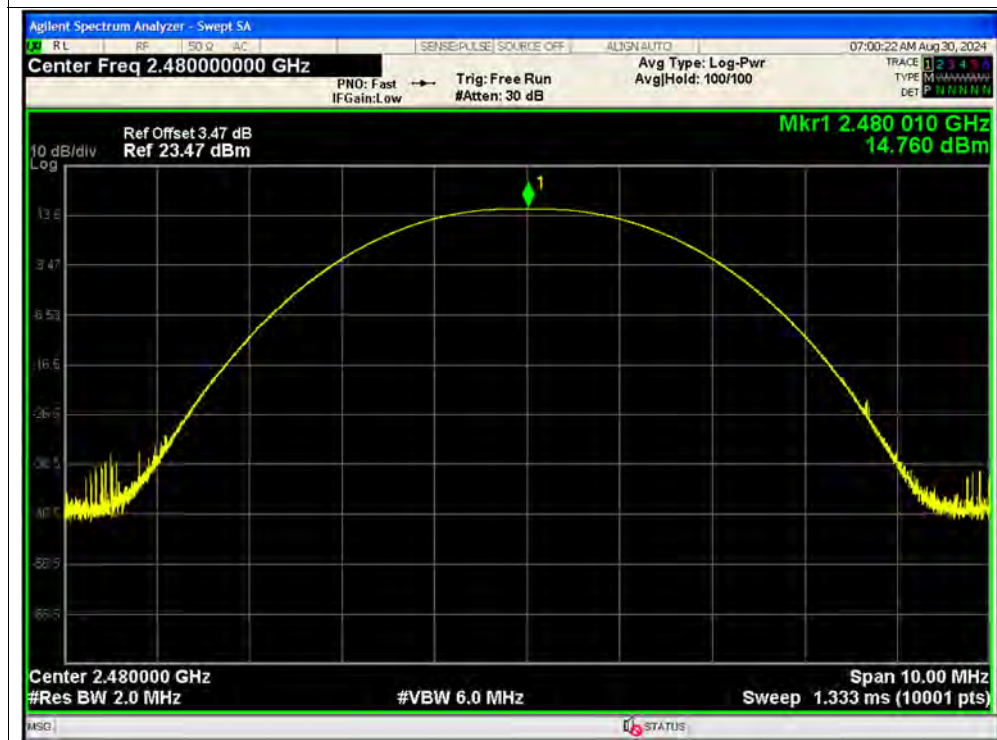
Peak Power NVNT 1-DH5 2402MHz Ant1



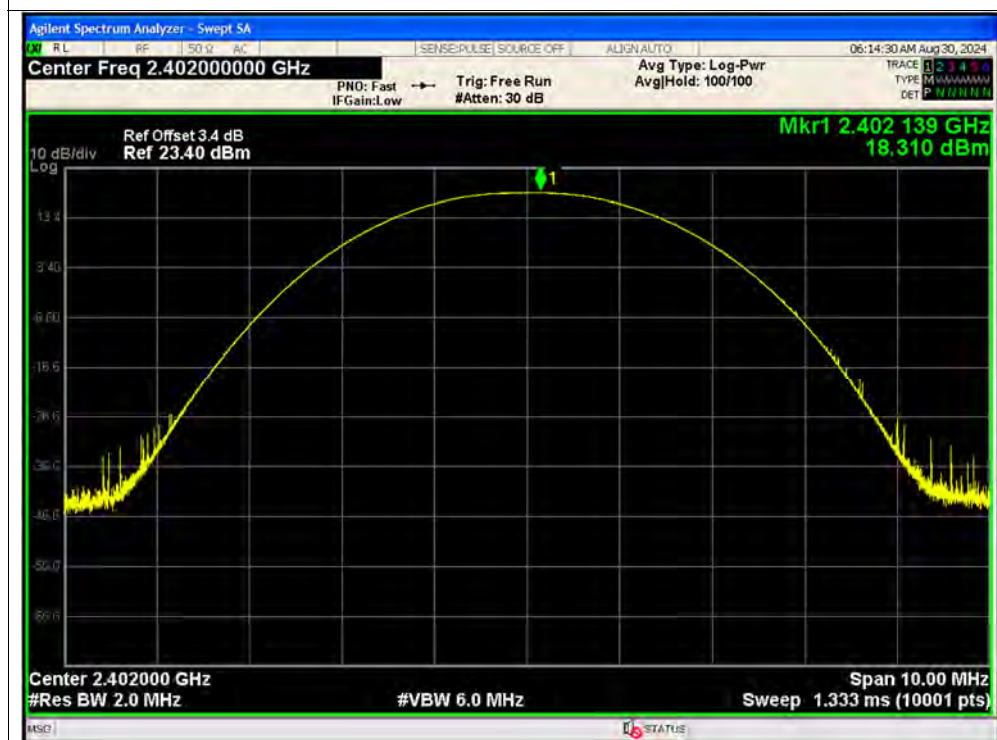
Peak Power NVNT 1-DH5 2441MHz Ant1



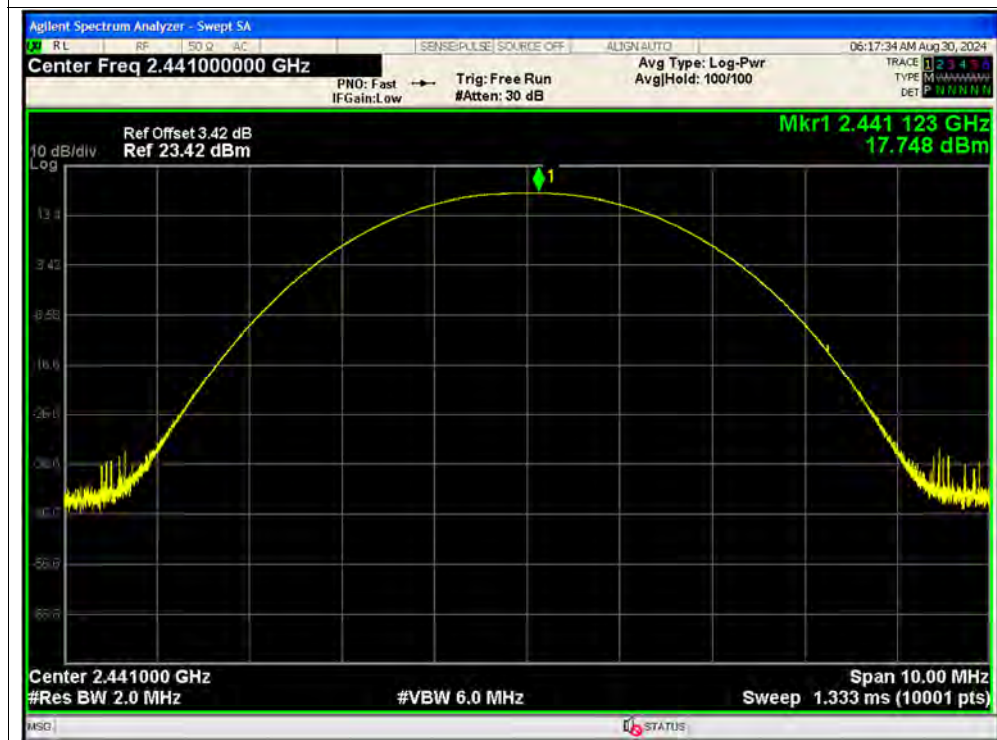
Peak Power NVNT 1-DH5 2480MHz Ant1



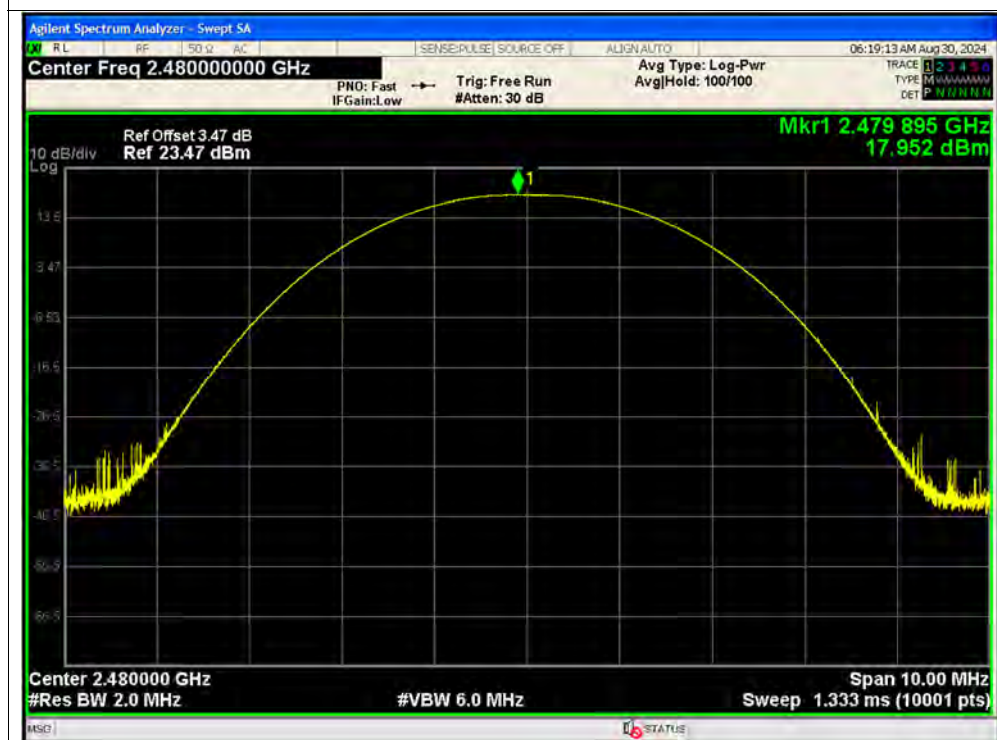
Peak Power NVNT 1-DH5 2402MHz Ant8



Peak Power NVNT 1-DH5 2441MHz Ant8



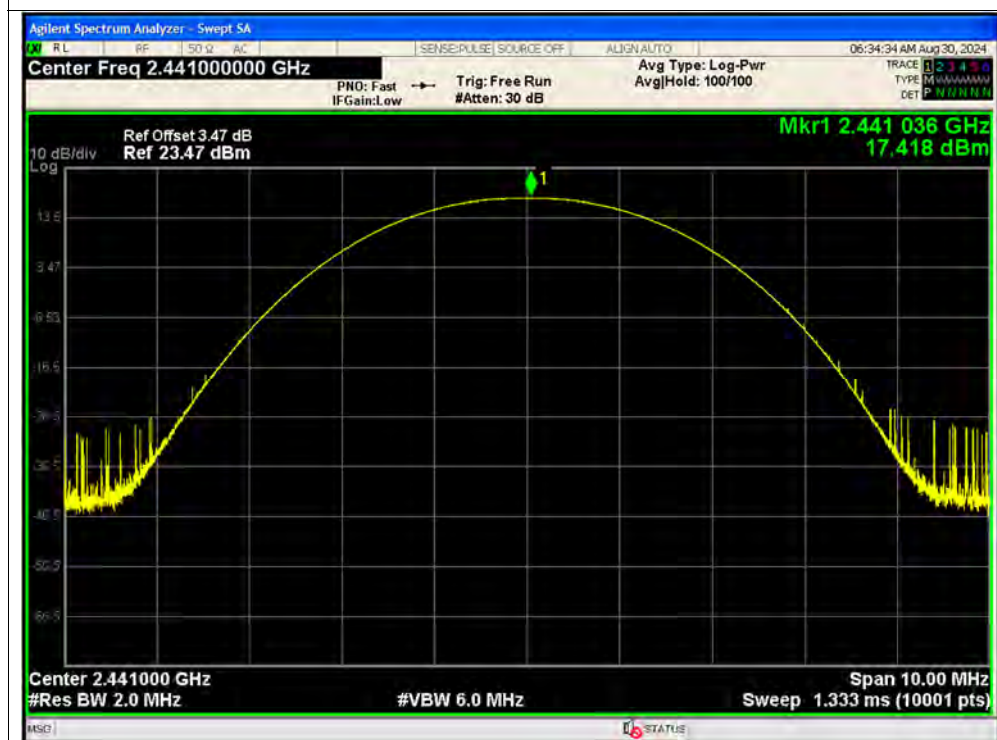
Peak Power NVNT 1-DH5 2480MHz Ant8



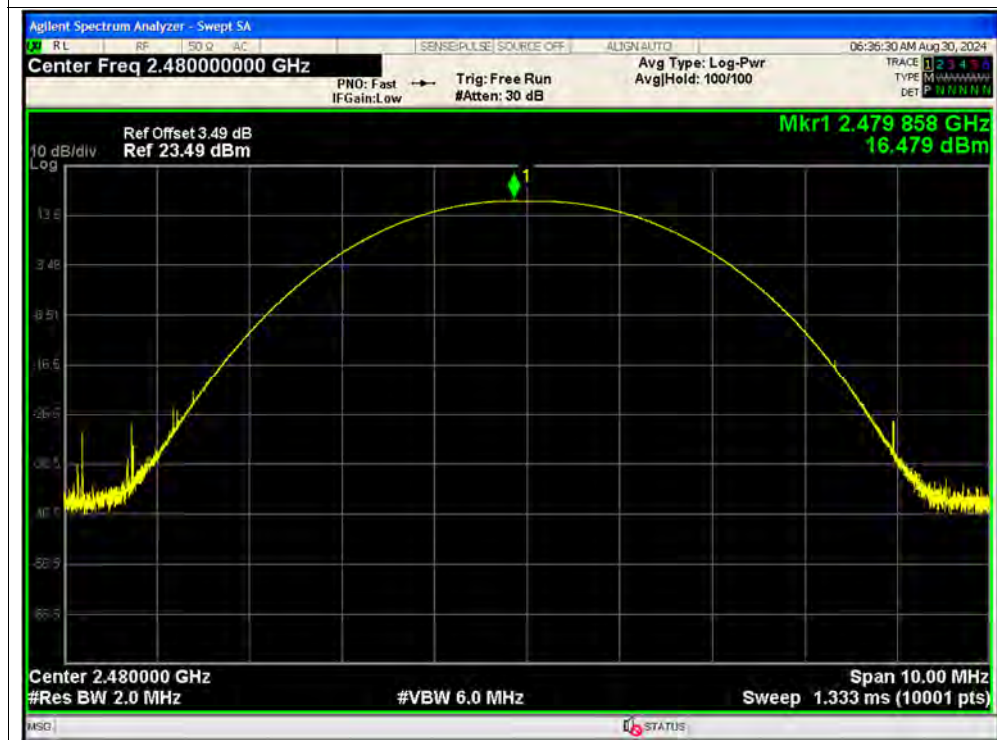
Peak Power NVNT 1-DH5 2402MHz Ant9



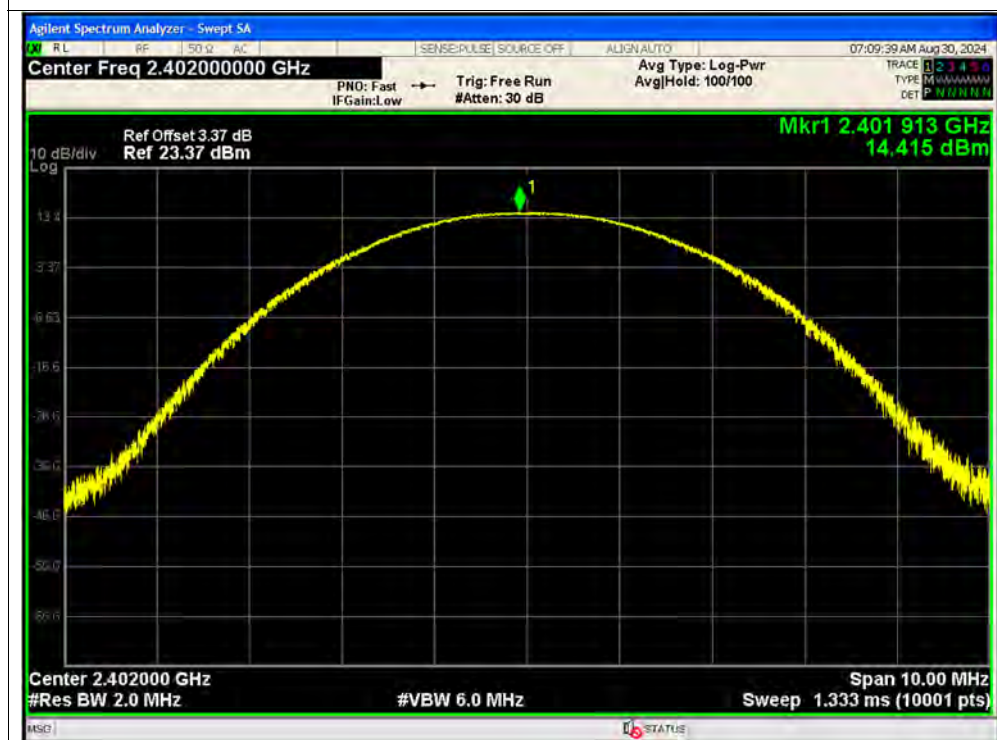
Peak Power NVNT 1-DH5 2441MHz Ant9



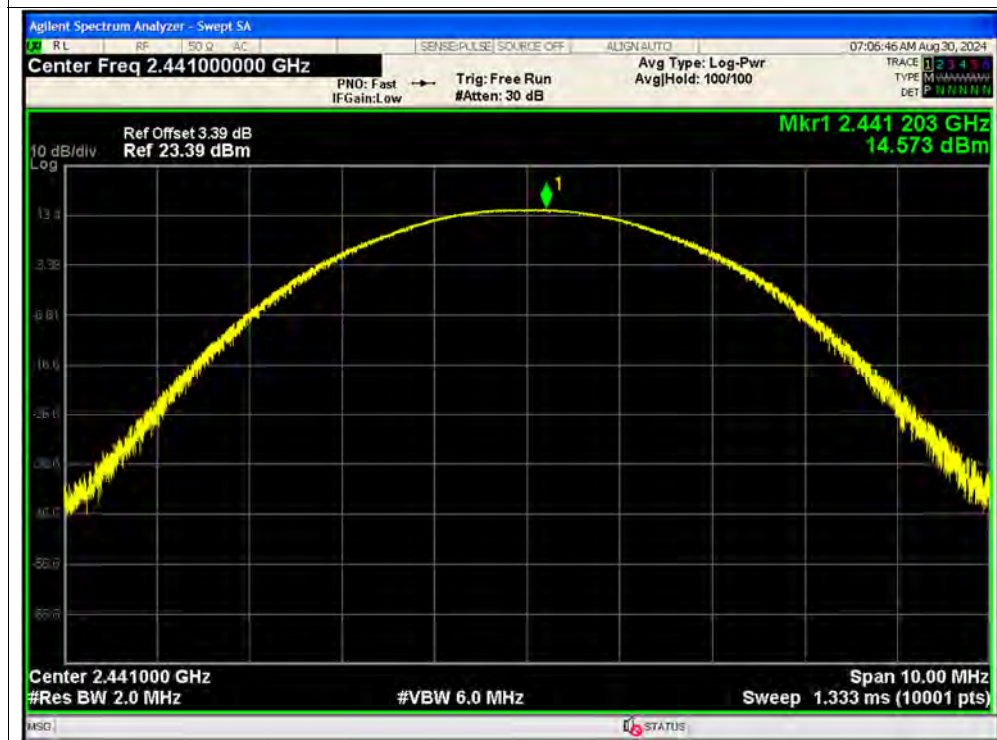
Peak Power NVNT 1-DH5 2480MHz Ant9



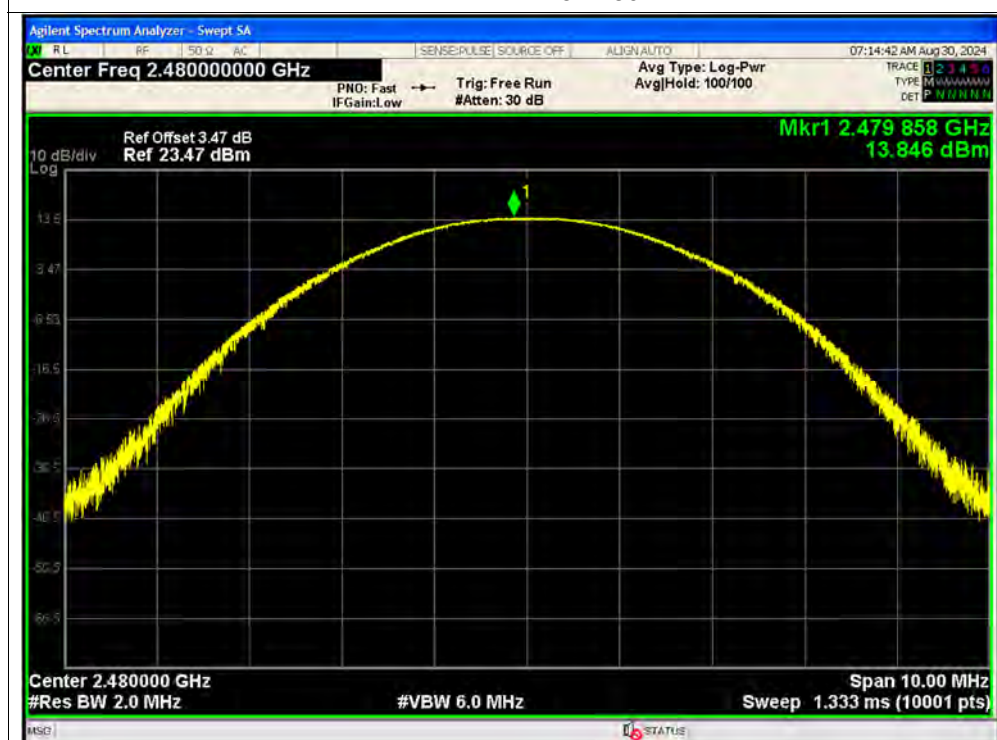
Peak Power NVNT 2-DH5 2402MHz Ant1



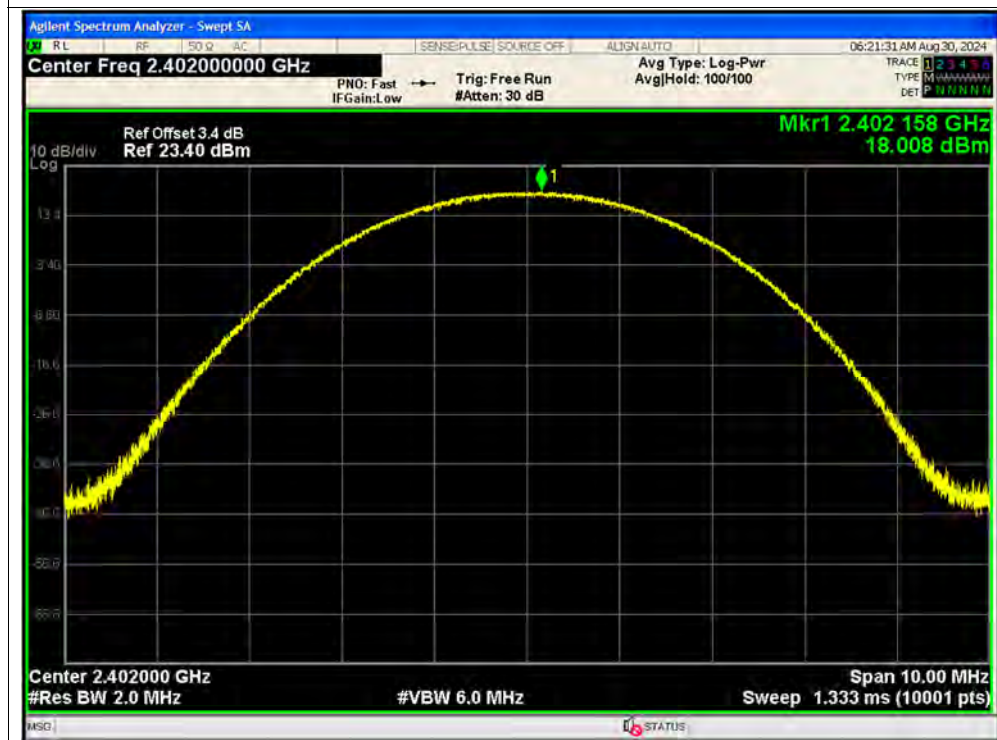
Peak Power NVNT 2-DH5 2441MHz Ant1



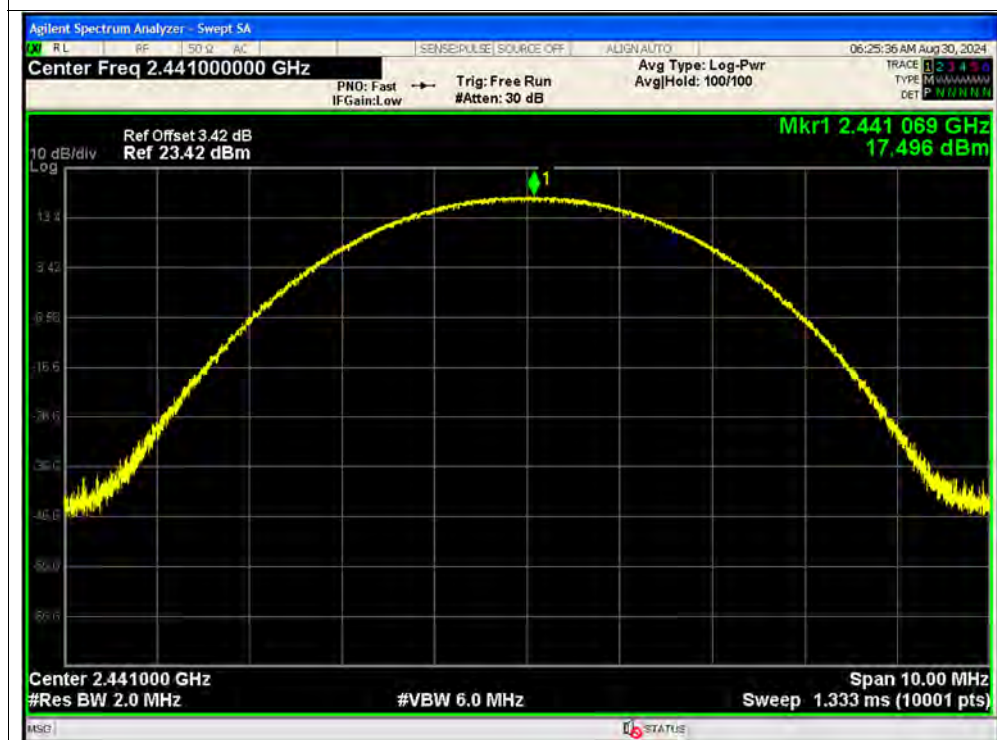
Peak Power NVNT 2-DH5 2480MHz Ant1



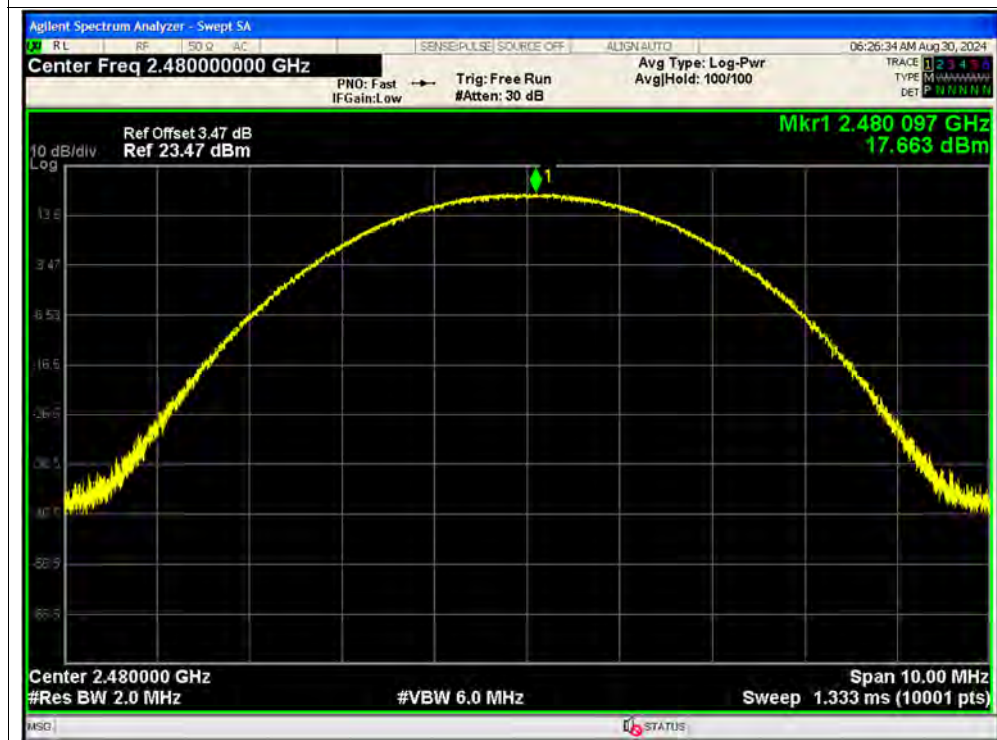
Peak Power NVNT 2-DH5 2402MHz Ant8



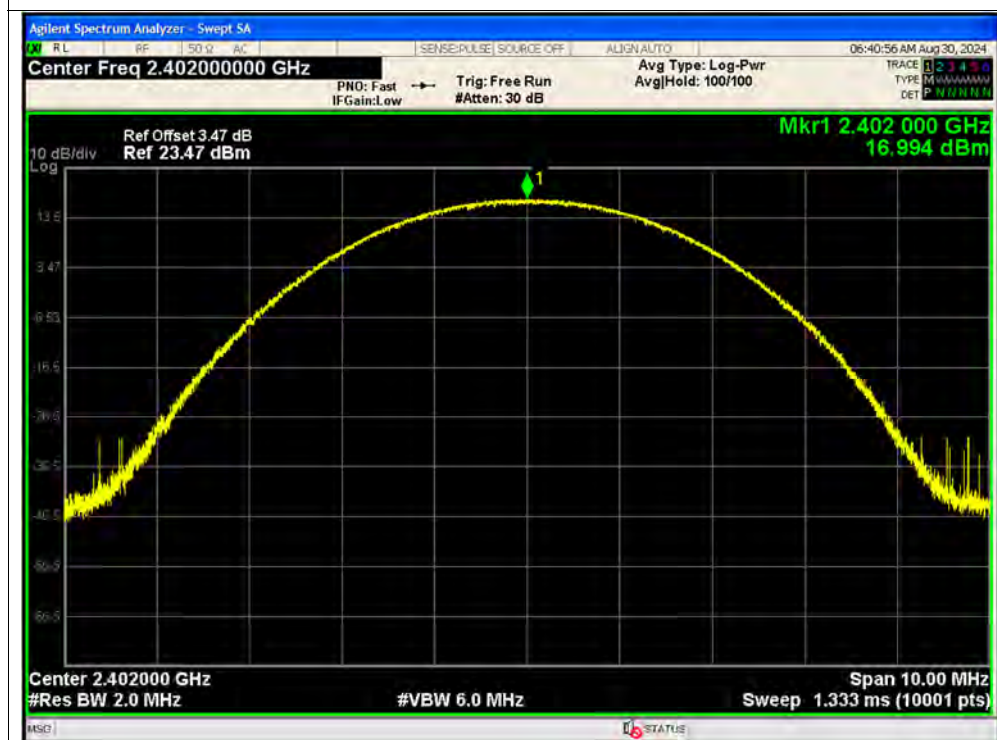
Peak Power NVNT 2-DH5 2441MHz Ant8



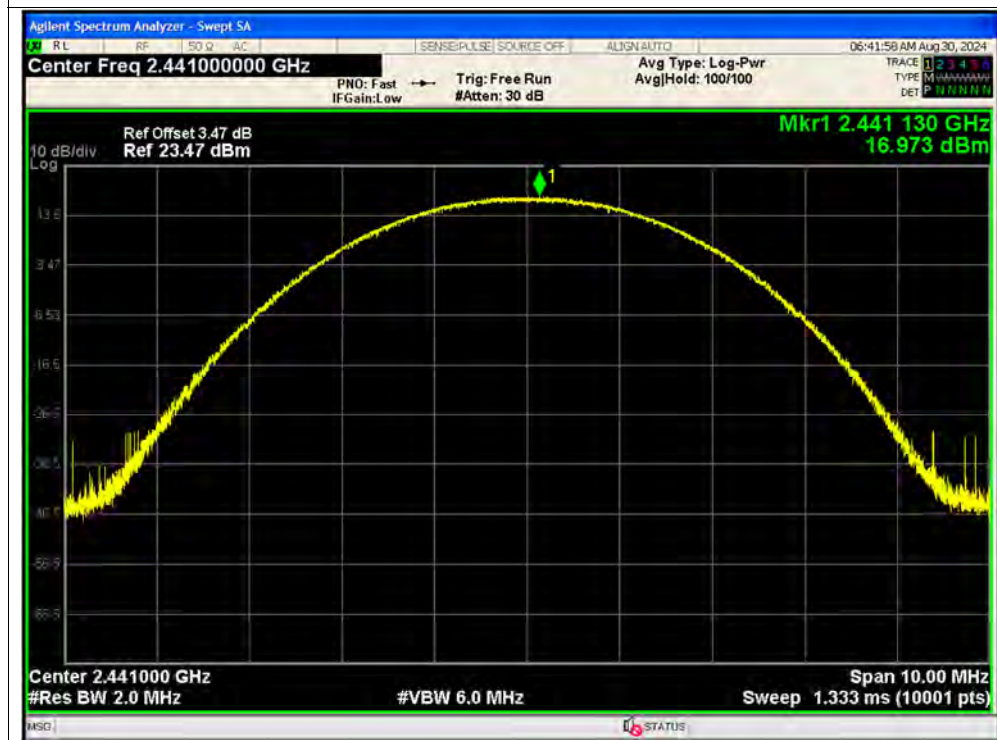
Peak Power NVNT 2-DH5 2480MHz Ant8



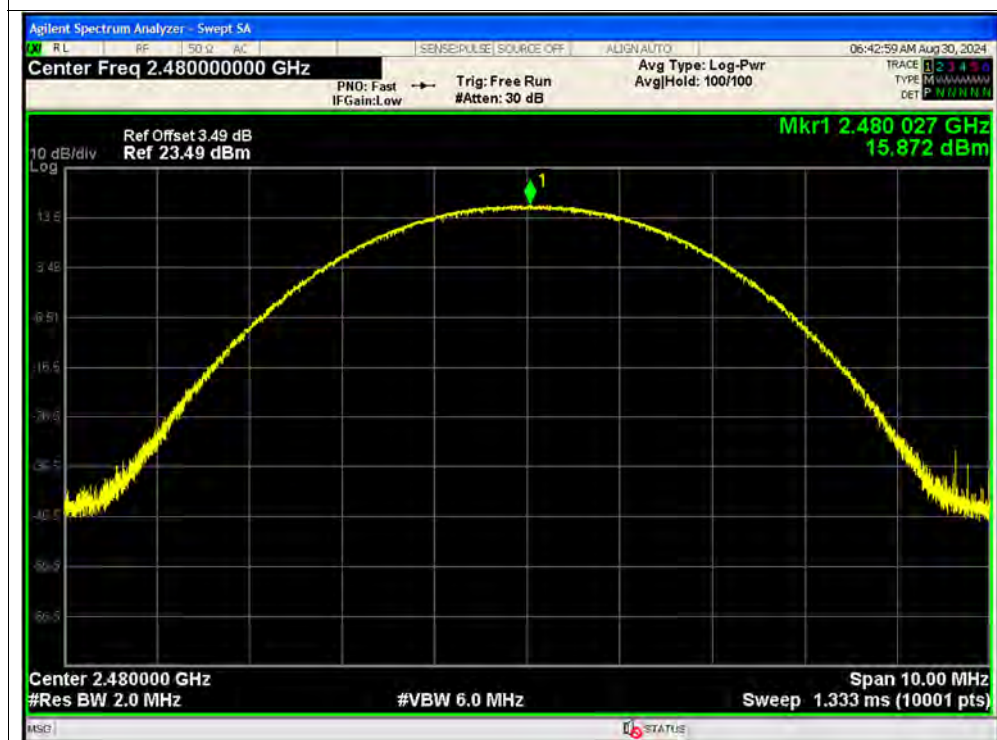
Peak Power NVNT 2-DH5 2402MHz Ant9



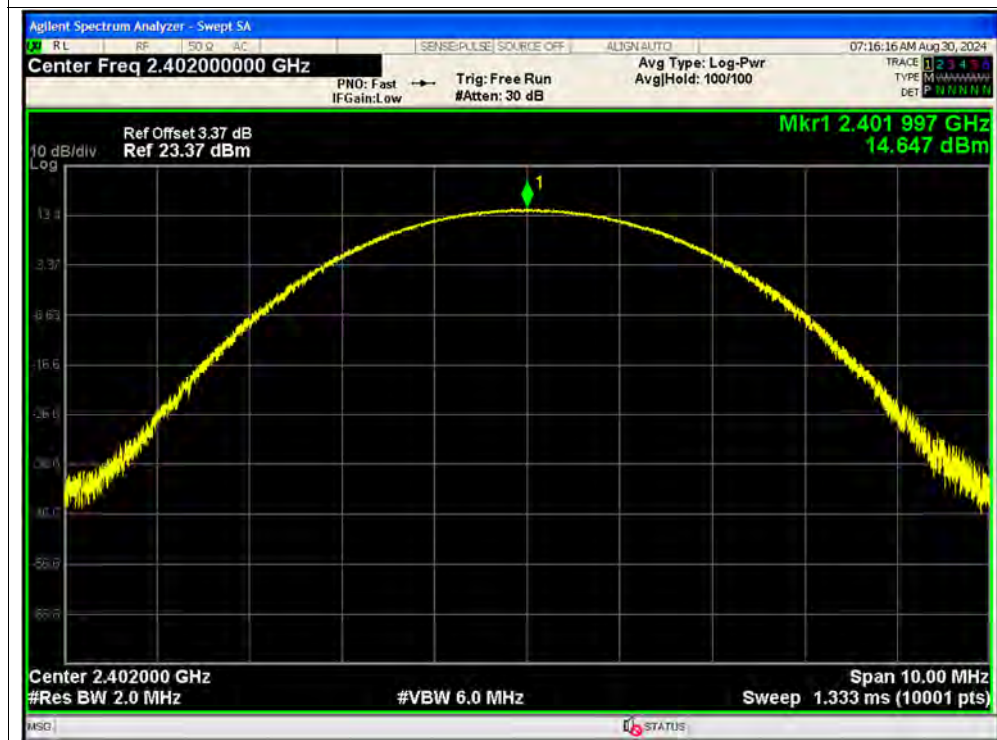
Peak Power NVNT 2-DH5 2441MHz Ant9



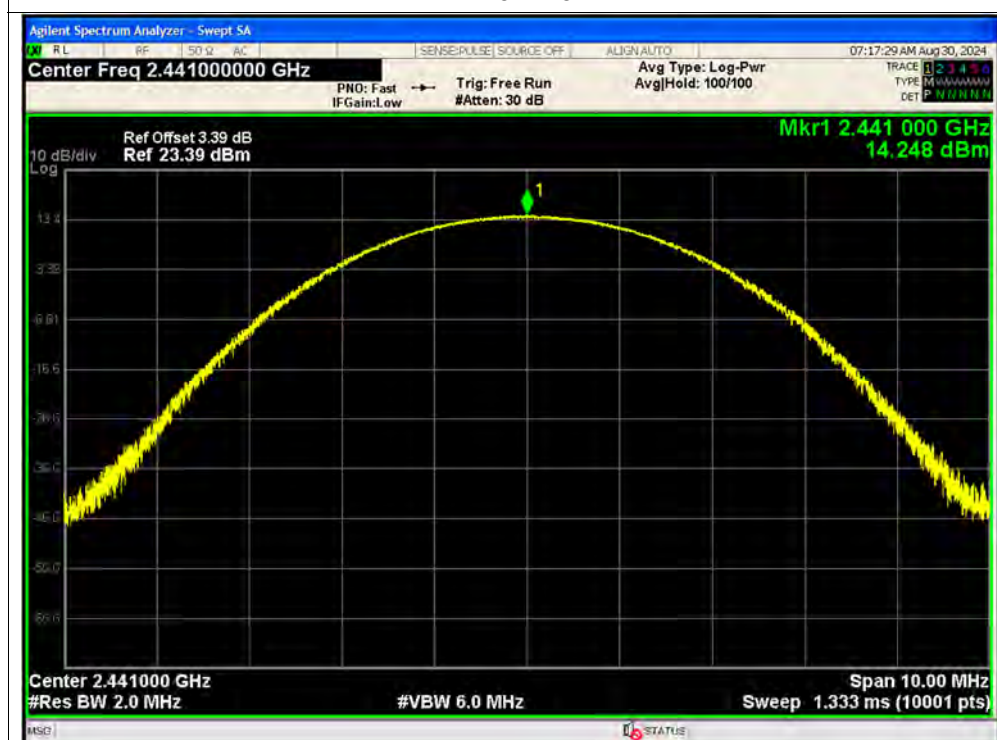
Peak Power NVNT 2-DH5 2480MHz Ant9



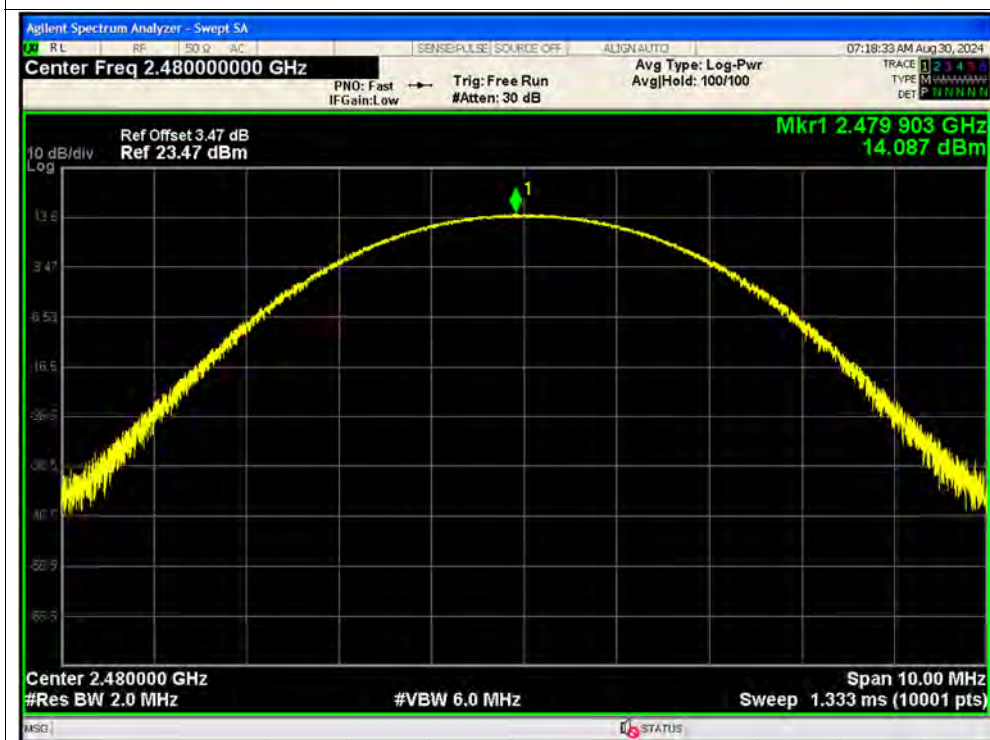
Peak Power NVNT 3-DH5 2402MHz Ant1



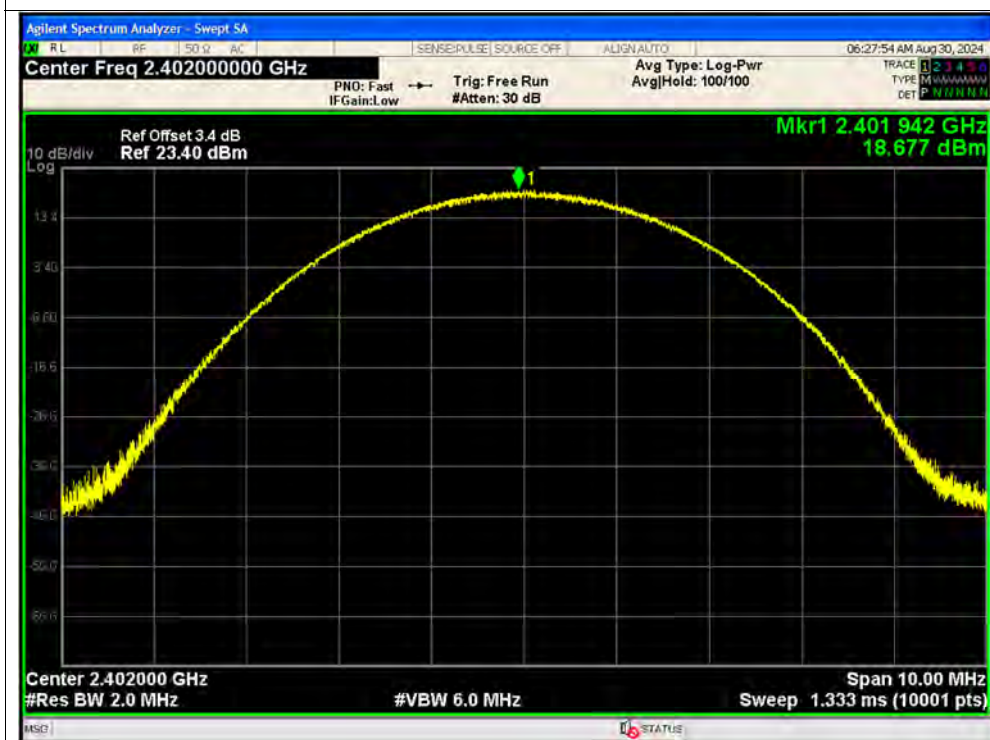
Peak Power NVNT 3-DH5 2441MHz Ant1



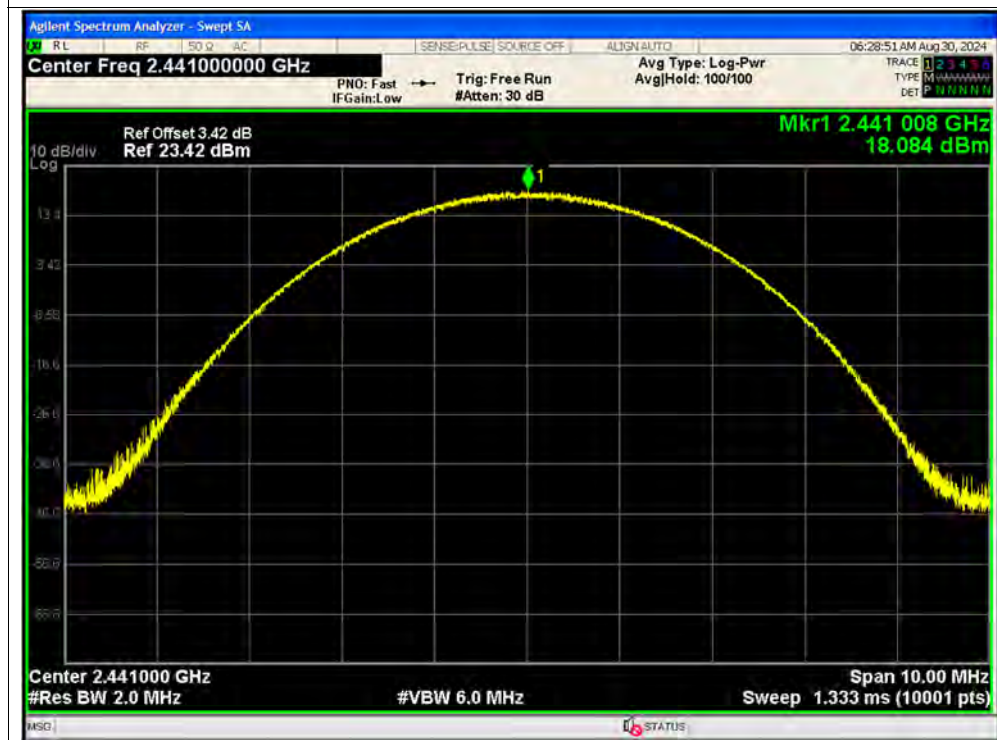
Peak Power NVNT 3-DH5 2480MHz Ant1



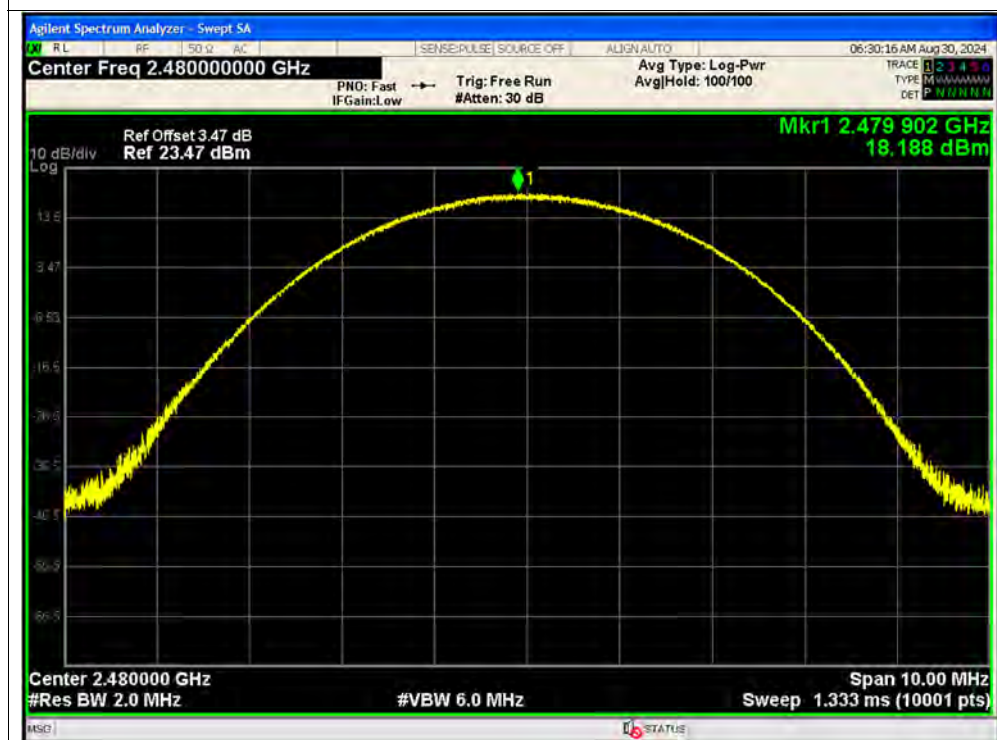
Peak Power NVNT 3-DH5 2402MHz Ant8



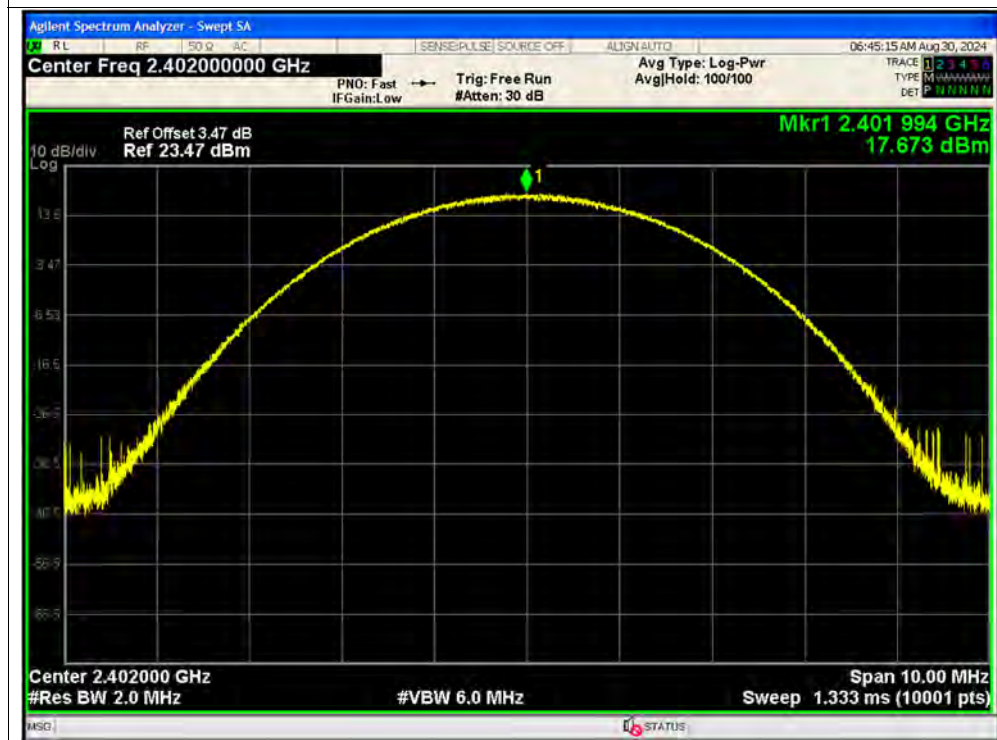
Peak Power NVNT 3-DH5 2441MHz Ant8



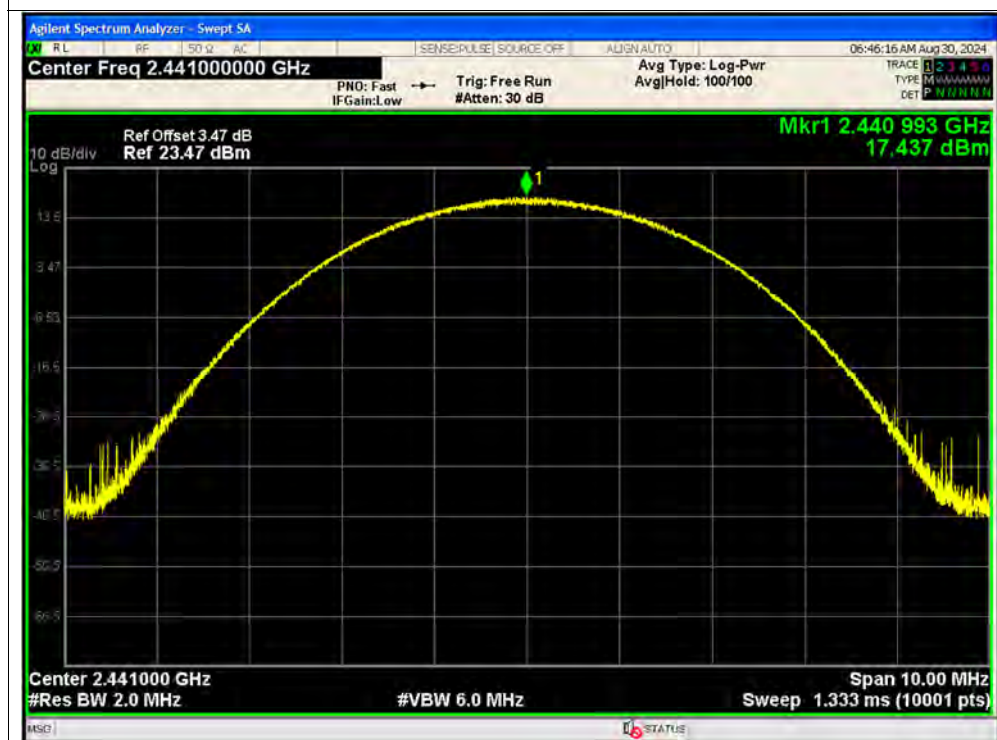
Peak Power NVNT 3-DH5 2480MHz Ant8



Peak Power NVNT 3-DH5 2402MHz Ant9

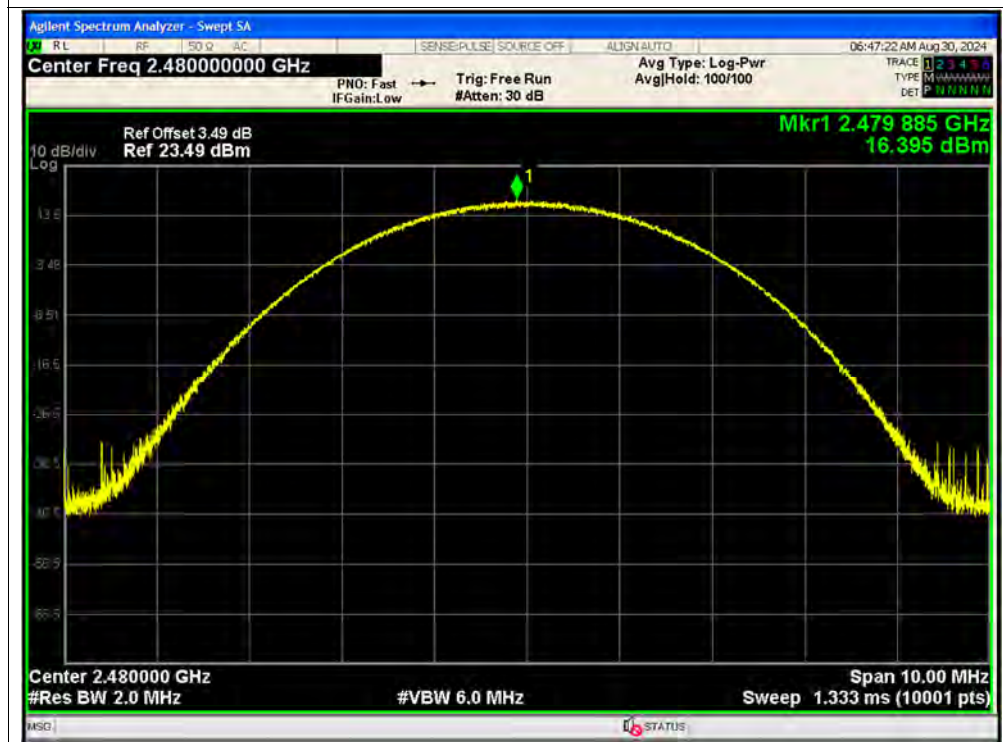


Peak Power NVNT 3-DH5 2441MHz Ant9





Peak Power NVNT 3-DH5 2480MHz Ant9



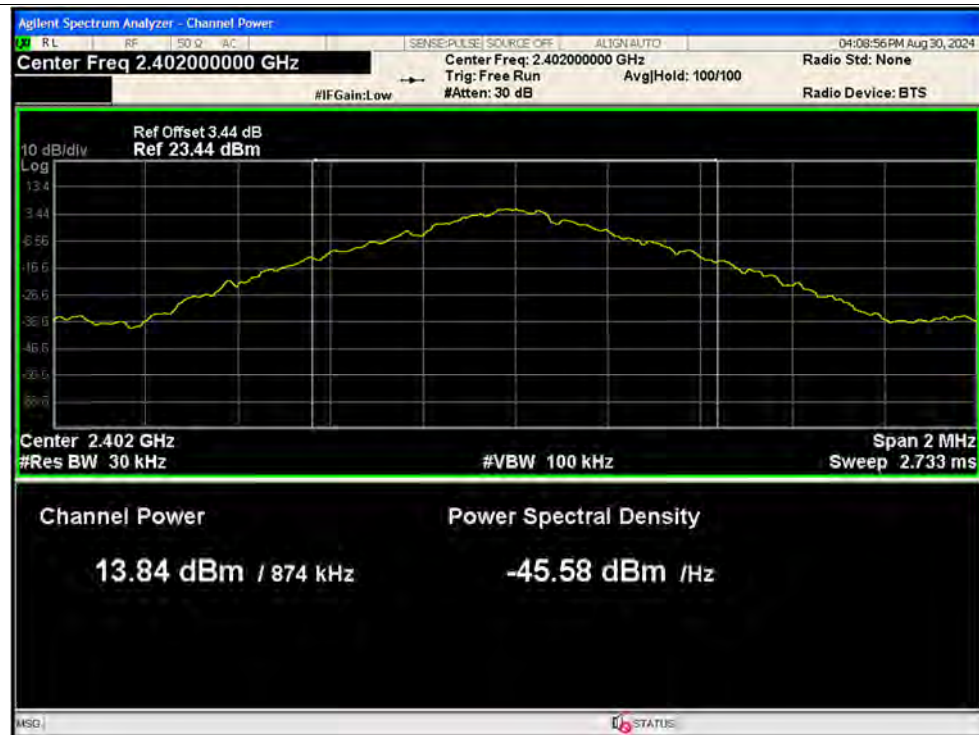
**A.4. Maximum Average Conducted Output Power**

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	1-DH5	2402	Ant1	13.84	1.15	14.99	0.03155	30	Pass
NVNT	1-DH5	2441	Ant1	13.54	1.15	14.69	0.02944	30	Pass
NVNT	1-DH5	2480	Ant1	13.08	1.15	14.23	0.02649	30	Pass
NVNT	1-DH5	2402	Ant8	16.84	1.15	17.99	0.06295	30	Pass
NVNT	1-DH5	2441	Ant8	16.04	1.15	17.19	0.05236	30	Pass
NVNT	1-DH5	2480	Ant8	16.14	1.15	17.29	0.05358	30	Pass
NVNT	1-DH5	2402	Ant9	16.32	1.15	17.47	0.05585	30	Pass
NVNT	1-DH5	2441	Ant9	15.97	1.15	17.12	0.05152	30	Pass
NVNT	1-DH5	2480	Ant9	15.07	1.15	16.22	0.04188	30	Pass
NVNT	2-DH5	2402	Ant1	10.91	1.97	12.88	0.01941	30	Pass
NVNT	2-DH5	2441	Ant1	10.24	1.97	12.21	0.01663	30	Pass
NVNT	2-DH5	2480	Ant1	10.16	1.97	12.13	0.01633	30	Pass
NVNT	2-DH5	2402	Ant8	13.37	1.97	15.34	0.0342	30	Pass
NVNT	2-DH5	2441	Ant8	12.9	1.97	14.87	0.03069	30	Pass
NVNT	2-DH5	2480	Ant8	12.91	1.97	14.88	0.03076	30	Pass
NVNT	2-DH5	2402	Ant9	12.46	1.97	14.43	0.02773	30	Pass
NVNT	2-DH5	2441	Ant9	12.52	1.97	14.49	0.02812	30	Pass
NVNT	2-DH5	2480	Ant9	11.22	1.97	13.19	0.02084	30	Pass
NVNT	3-DH5	2402	Ant1	11.77	1.13	12.9	0.0195	30	Pass
NVNT	3-DH5	2441	Ant1	11.15	1.13	12.28	0.0169	30	Pass
NVNT	3-DH5	2480	Ant1	10.81	1.13	11.94	0.01563	30	Pass
NVNT	3-DH5	2402	Ant8	14.02	1.13	15.15	0.03273	30	Pass
NVNT	3-DH5	2441	Ant8	13.51	1.13	14.64	0.02911	30	Pass
NVNT	3-DH5	2480	Ant8	13.81	1.13	14.94	0.03119	30	Pass
NVNT	3-DH5	2402	Ant9	13.39	1.13	14.52	0.02831	30	Pass
NVNT	3-DH5	2441	Ant9	12.88	1.13	14.01	0.02518	30	Pass
NVNT	3-DH5	2480	Ant9	12.03	1.13	13.16	0.0207	30	Pass



Test Graphs

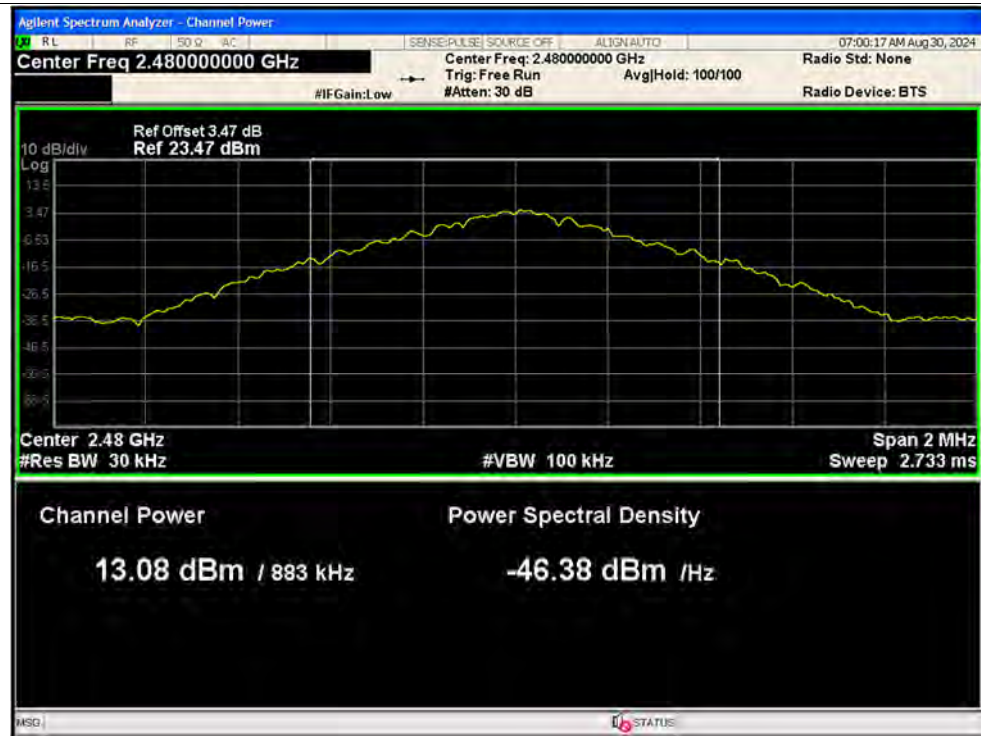
Average Power NVNT 1-DH5 2402MHz Ant1



Average Power NVNT 1-DH5 2441MHz Ant1



Average Power NVNT 1-DH5 2480MHz Ant1



Average Power NVNT 1-DH5 2402MHz Ant8





Average Power NVNT 1-DH5 2441MHz Ant8



Average Power NVNT 1-DH5 2480MHz Ant8





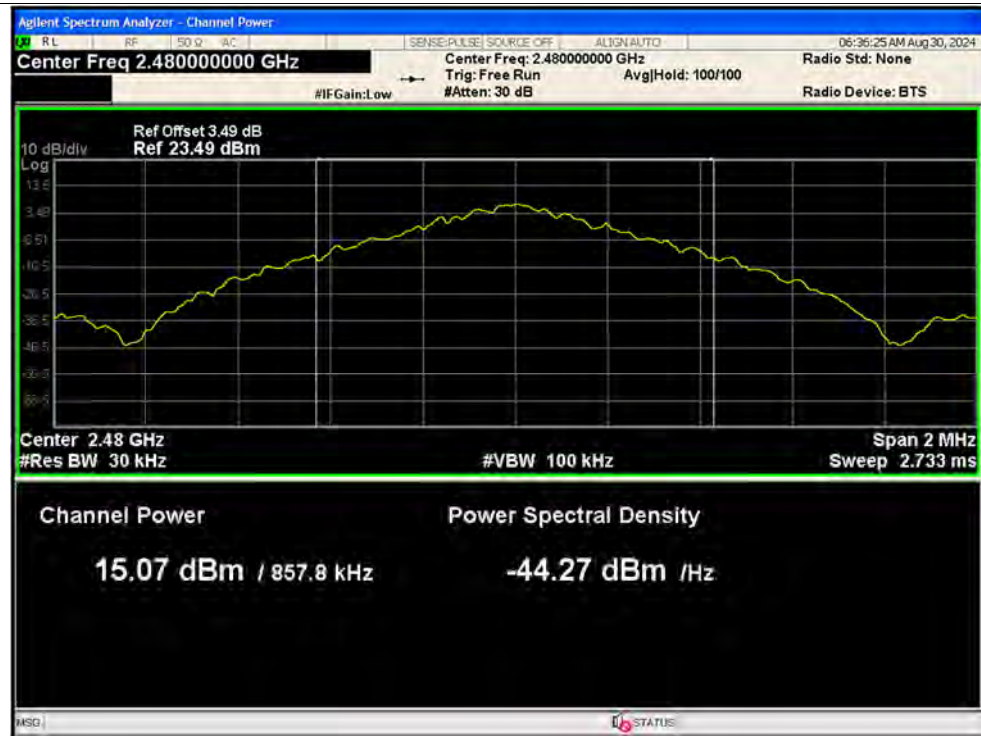
Average Power NVNT 1-DH5 2402MHz Ant9



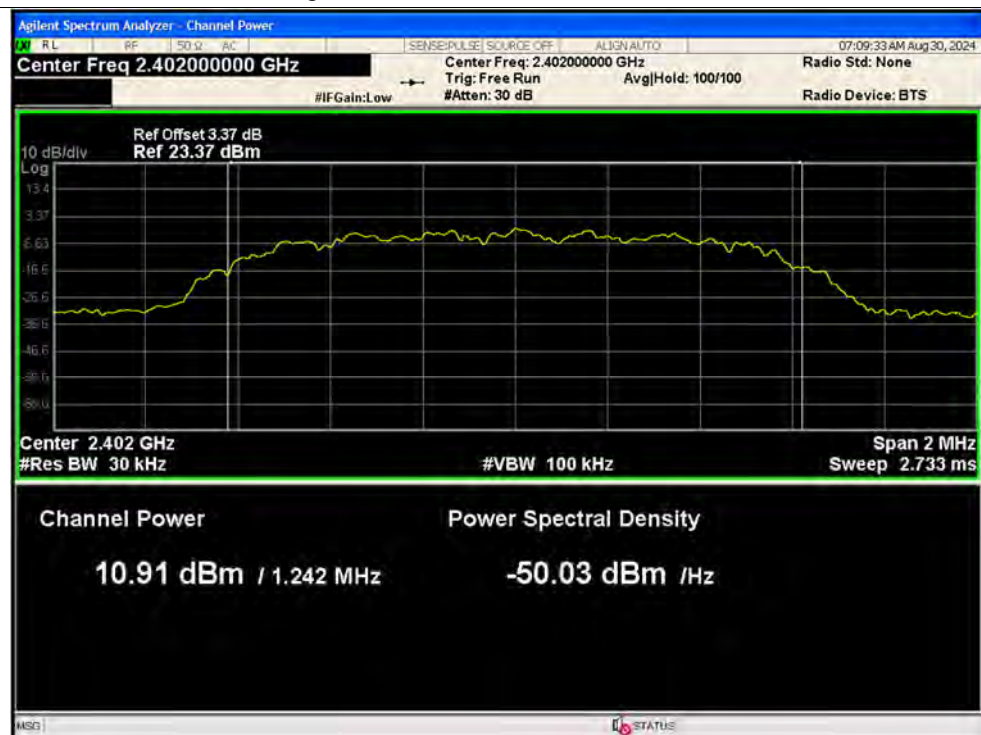
Average Power NVNT 1-DH5 2441MHz Ant9



Average Power NVNT 1-DH5 2480MHz Ant9

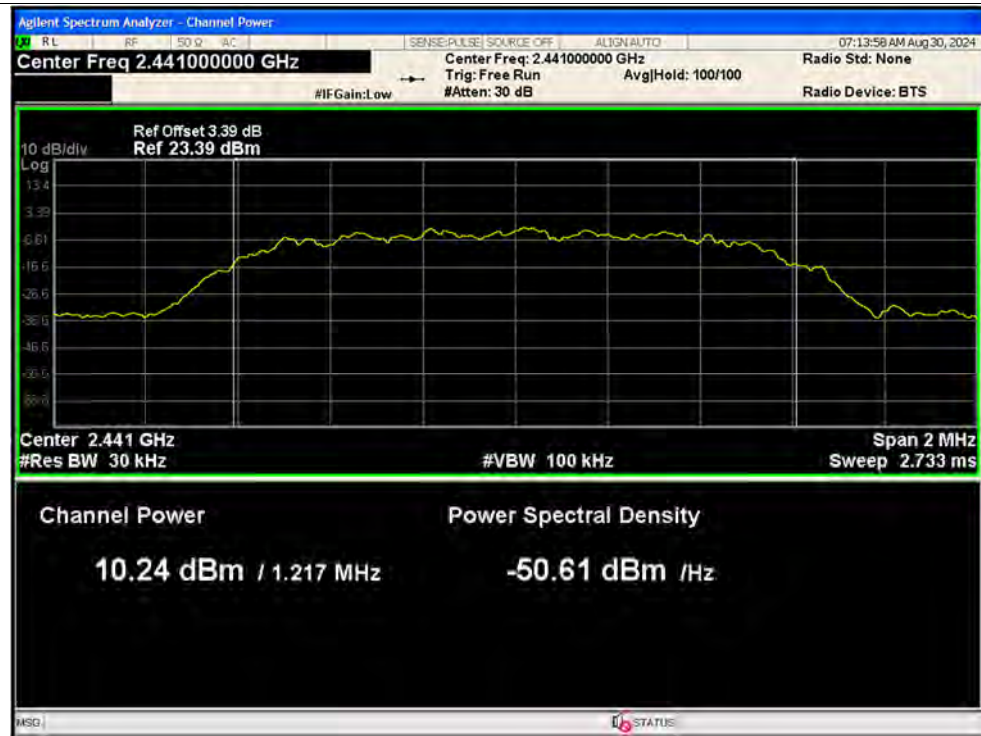


Average Power NVNT 2-DH5 2402MHz Ant1

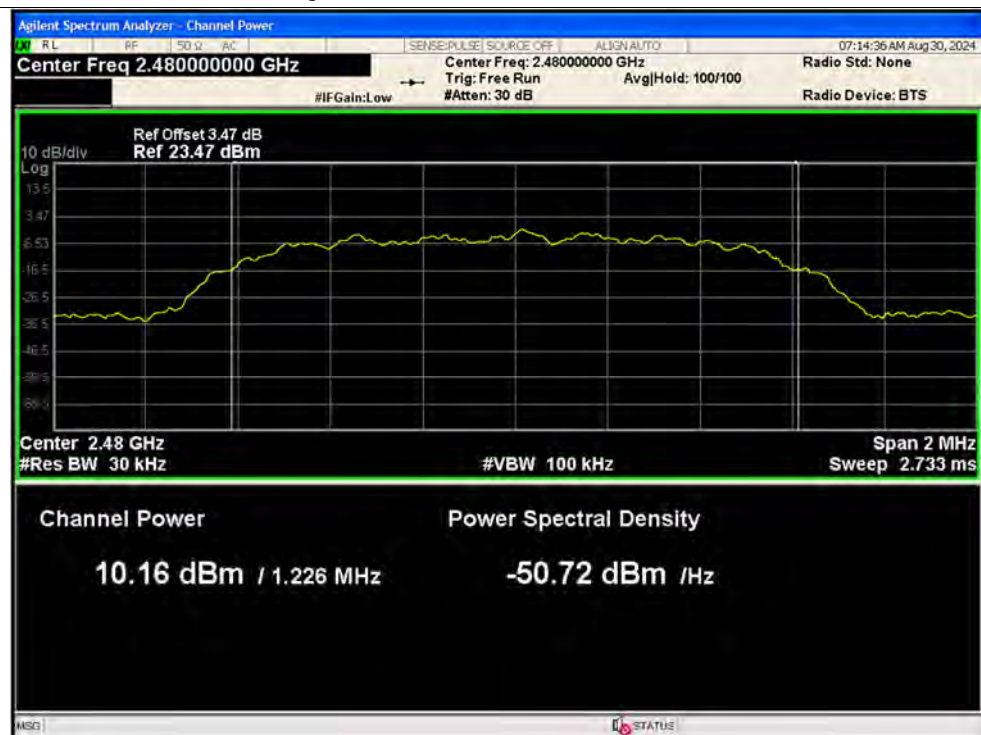




Average Power NVNT 2-DH5 2441MHz Ant1

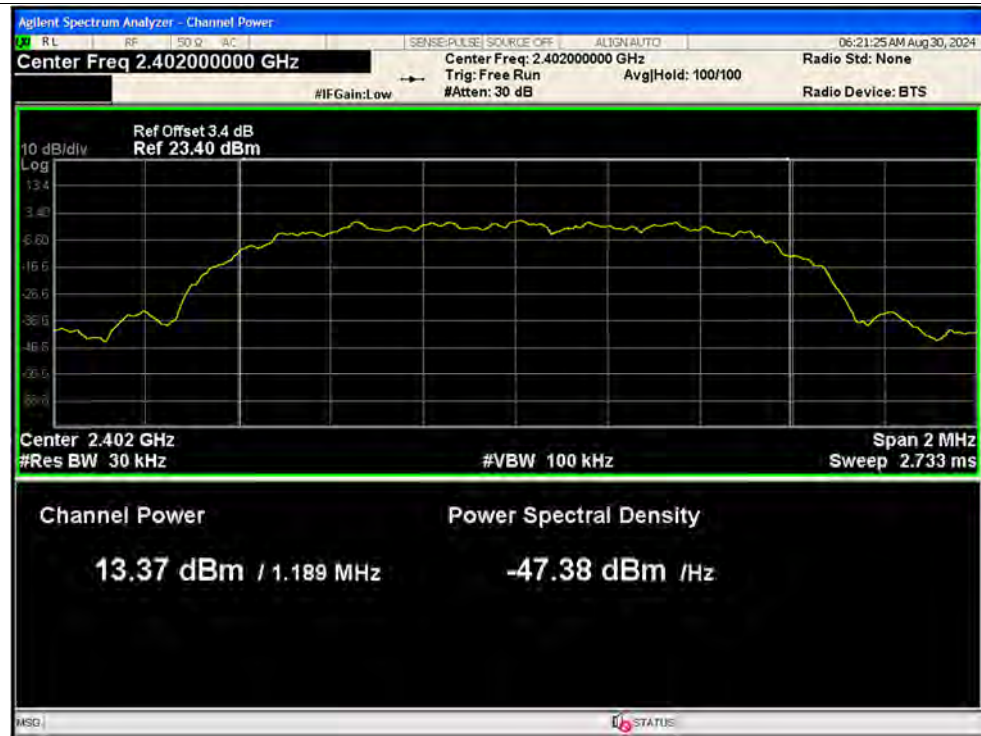


Average Power NVNT 2-DH5 2480MHz Ant1

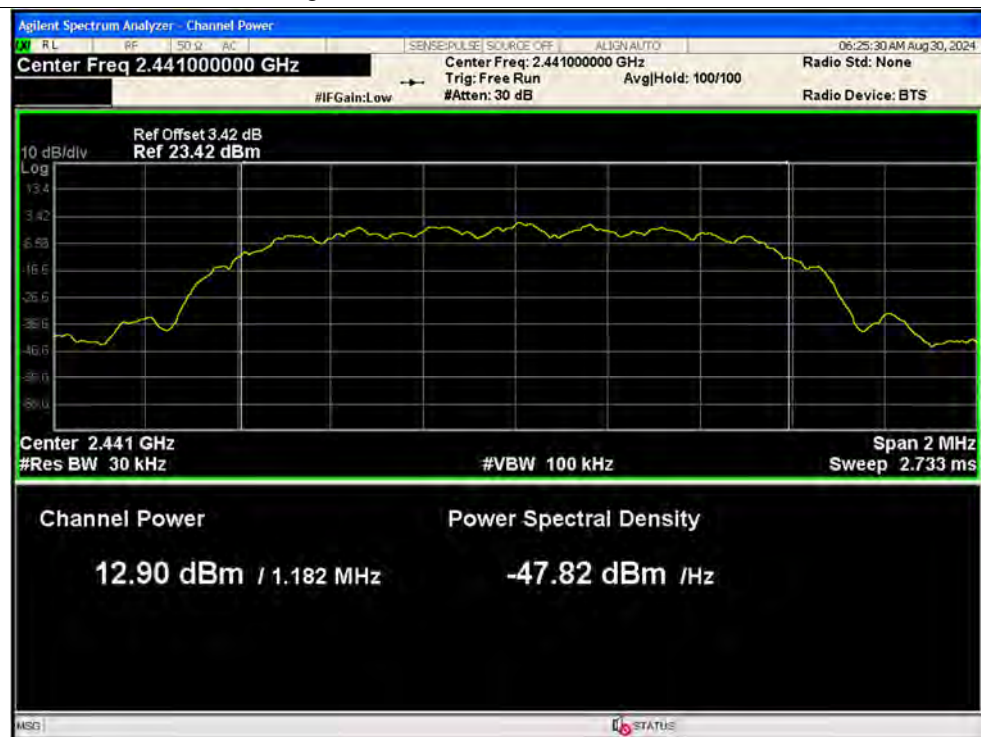




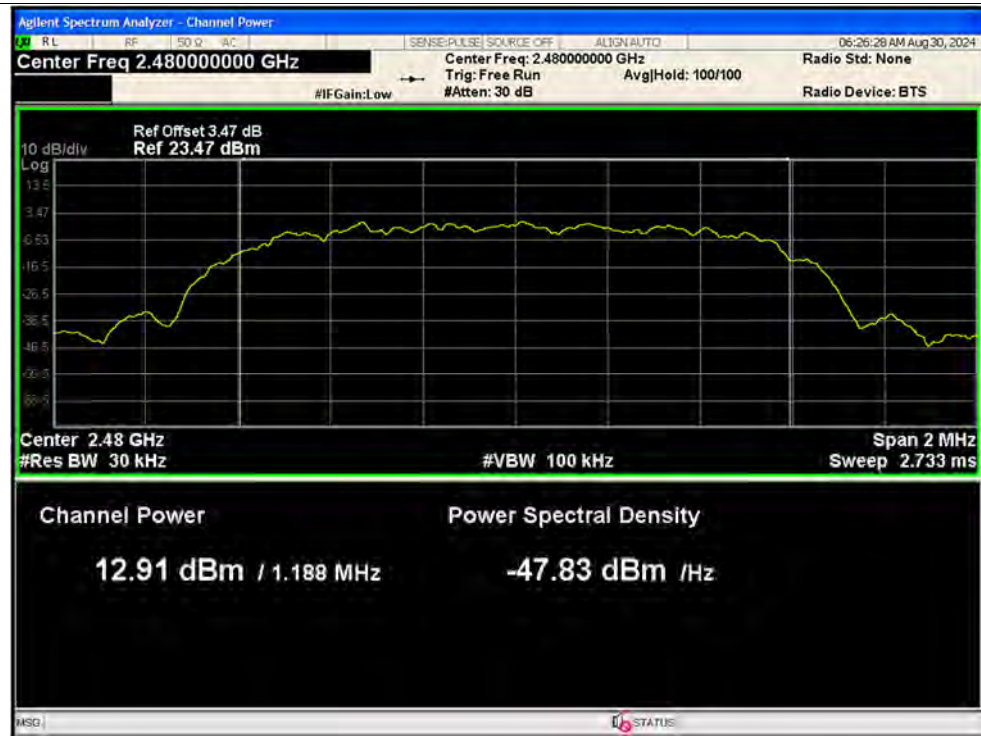
Average Power NVNT 2-DH5 2402MHz Ant8



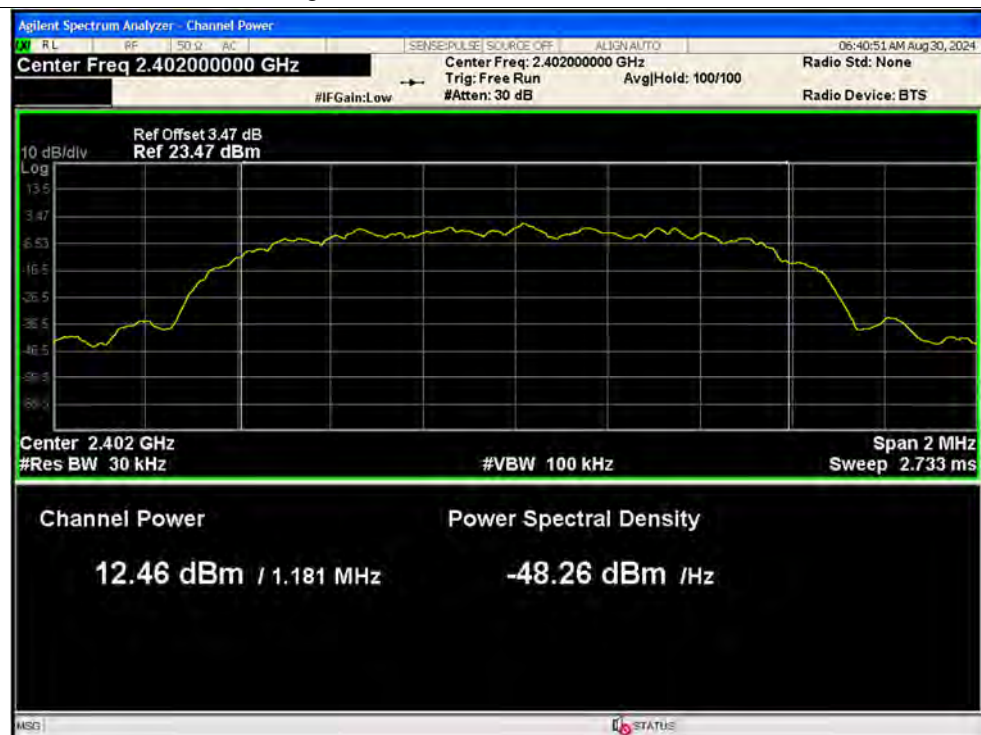
Average Power NVNT 2-DH5 2441MHz Ant8



Average Power NVNT 2-DH5 2480MHz Ant8

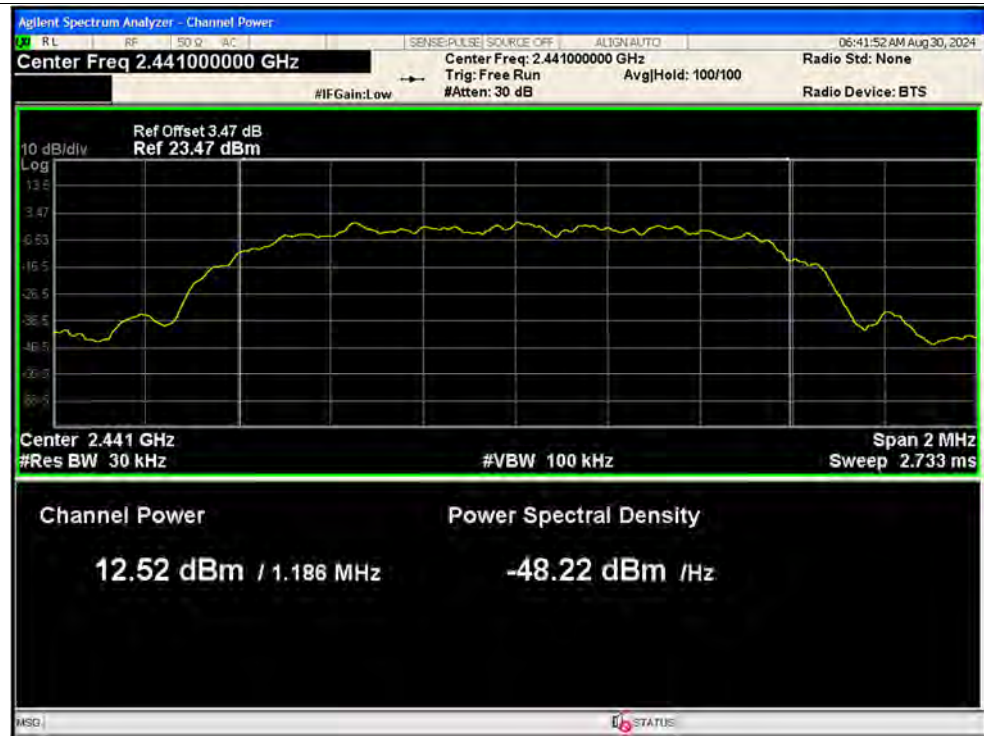


Average Power NVNT 2-DH5 2402MHz Ant9

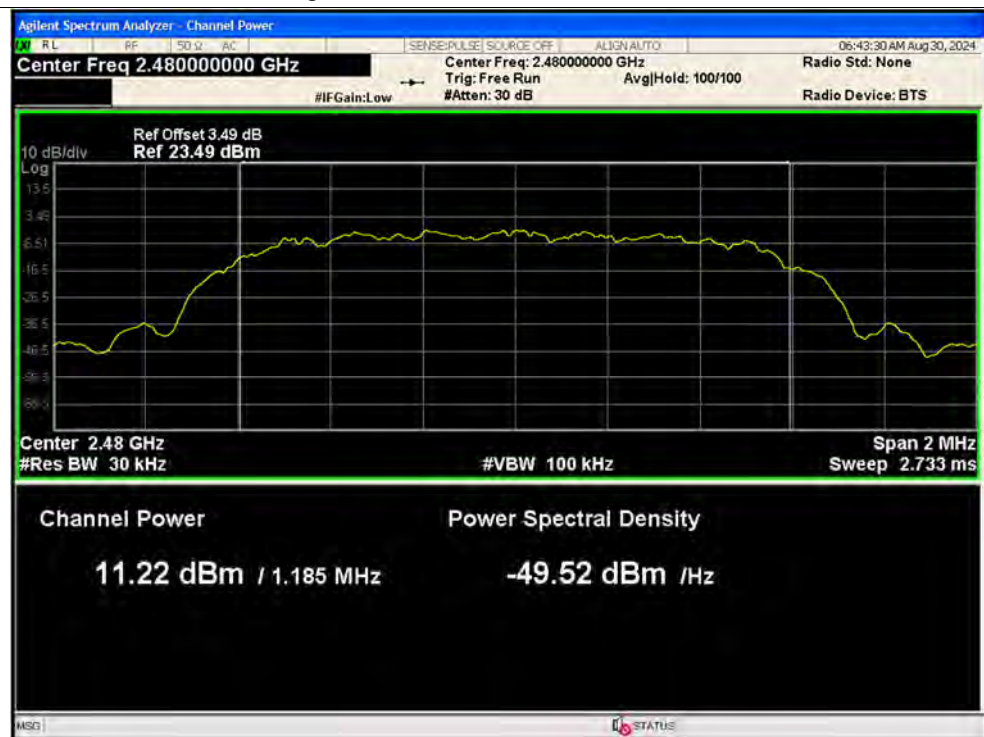




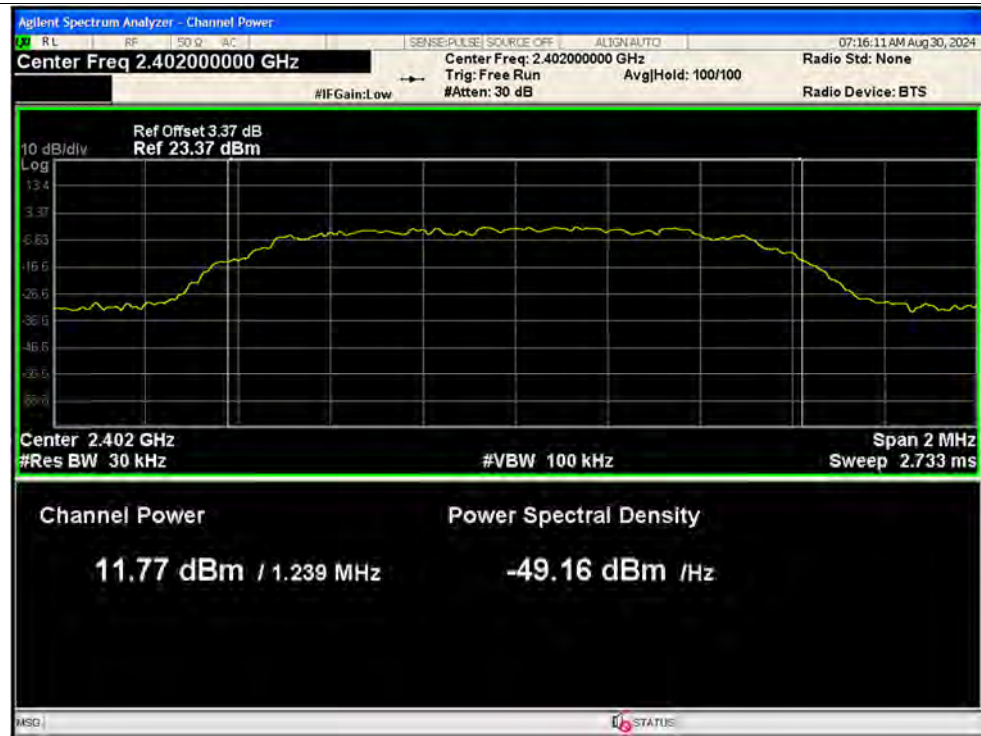
Average Power NVNT 2-DH5 2441MHz Ant9



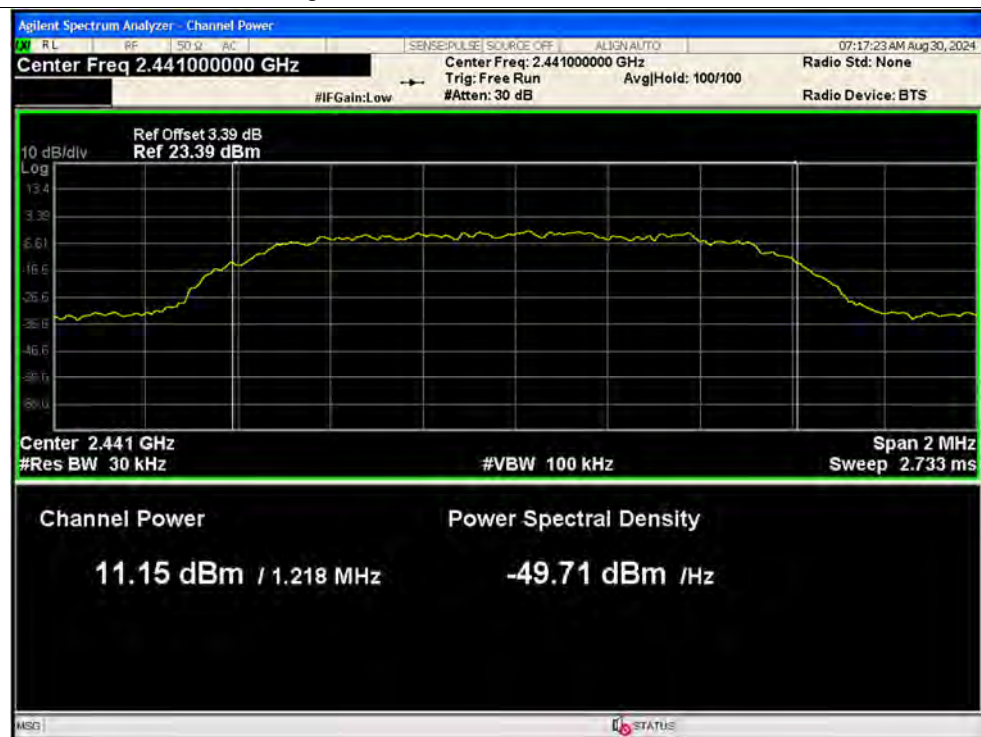
Average Power NVNT 2-DH5 2480MHz Ant9



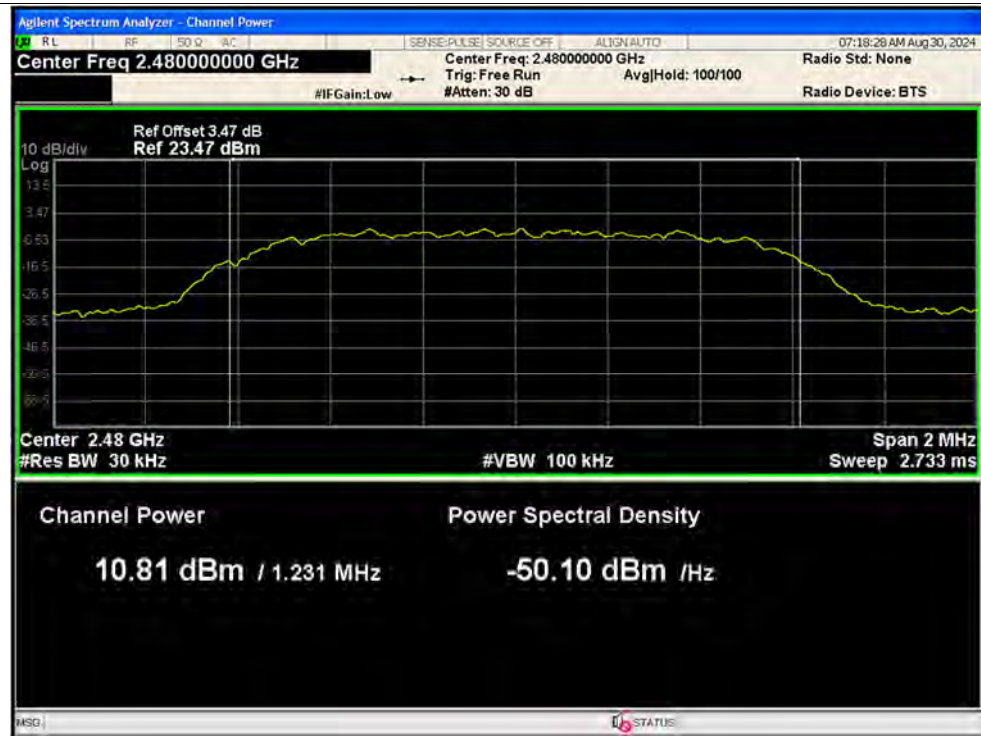
Average Power NVNT 3-DH5 2402MHz Ant1



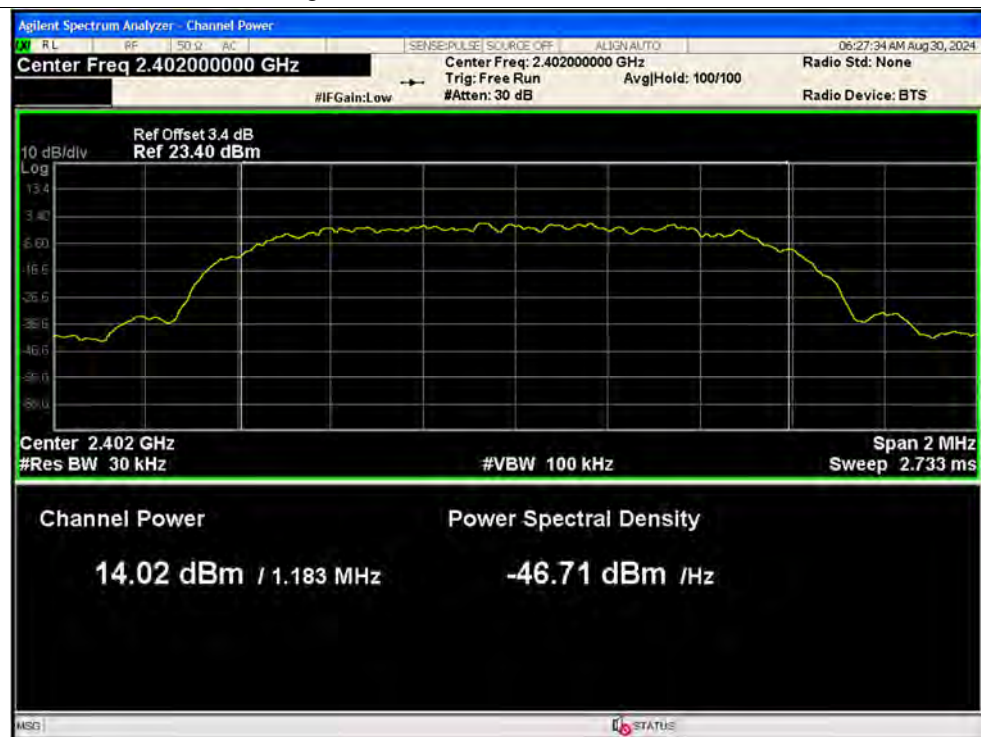
Average Power NVNT 3-DH5 2441MHz Ant1



Average Power NVNT 3-DH5 2480MHz Ant1

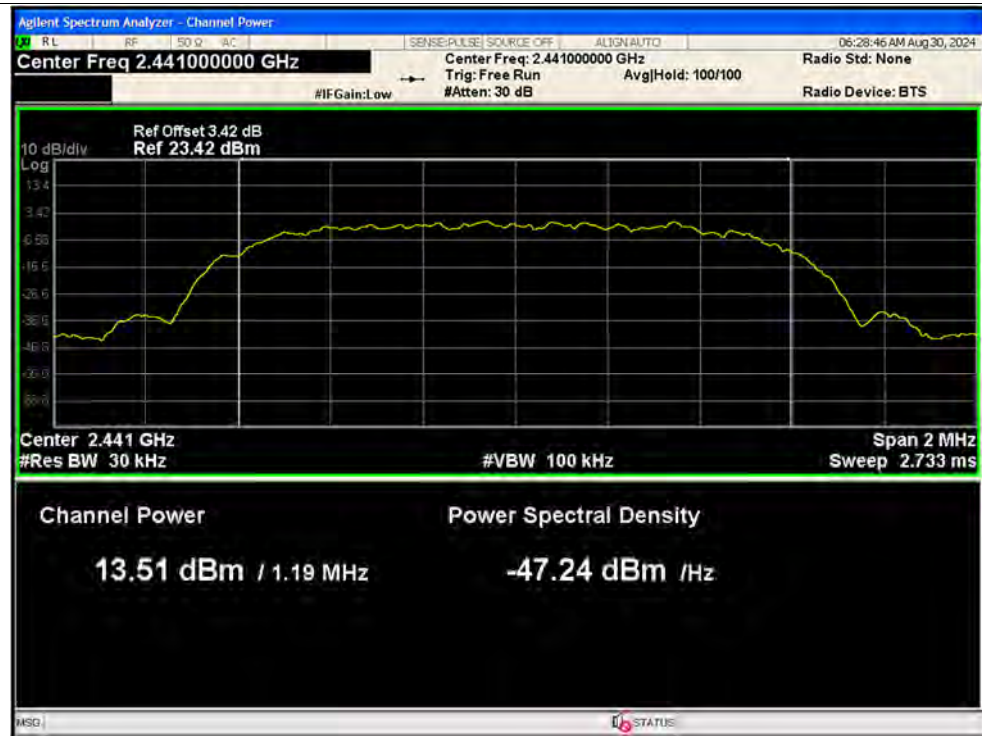


Average Power NVNT 3-DH5 2402MHz Ant8

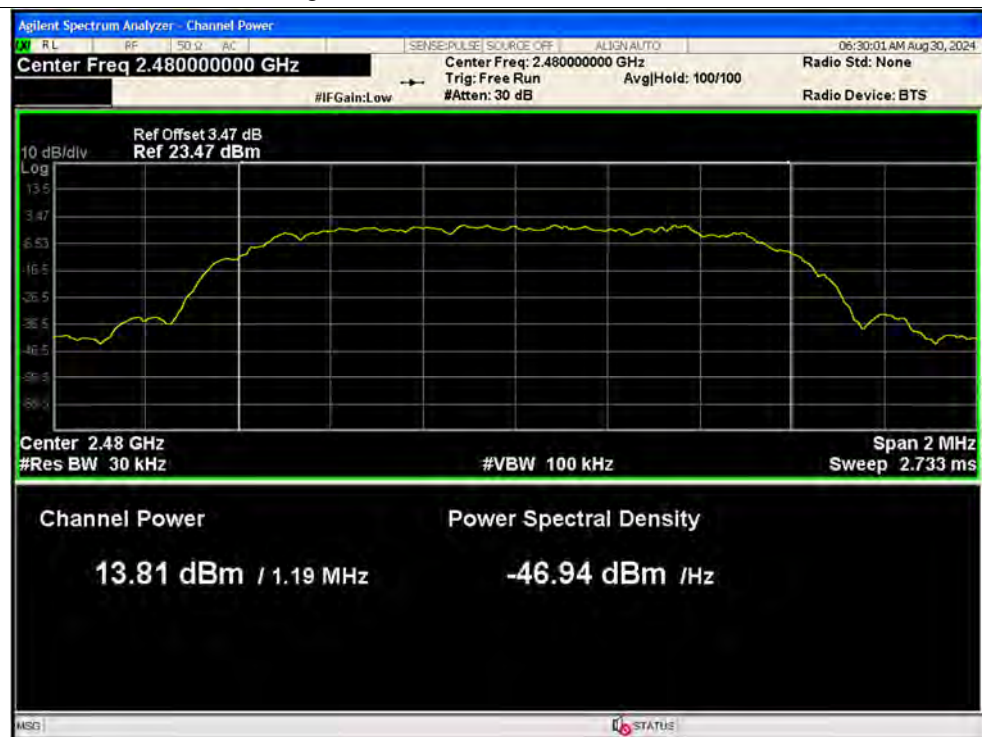




Average Power NVNT 3-DH5 2441MHz Ant8

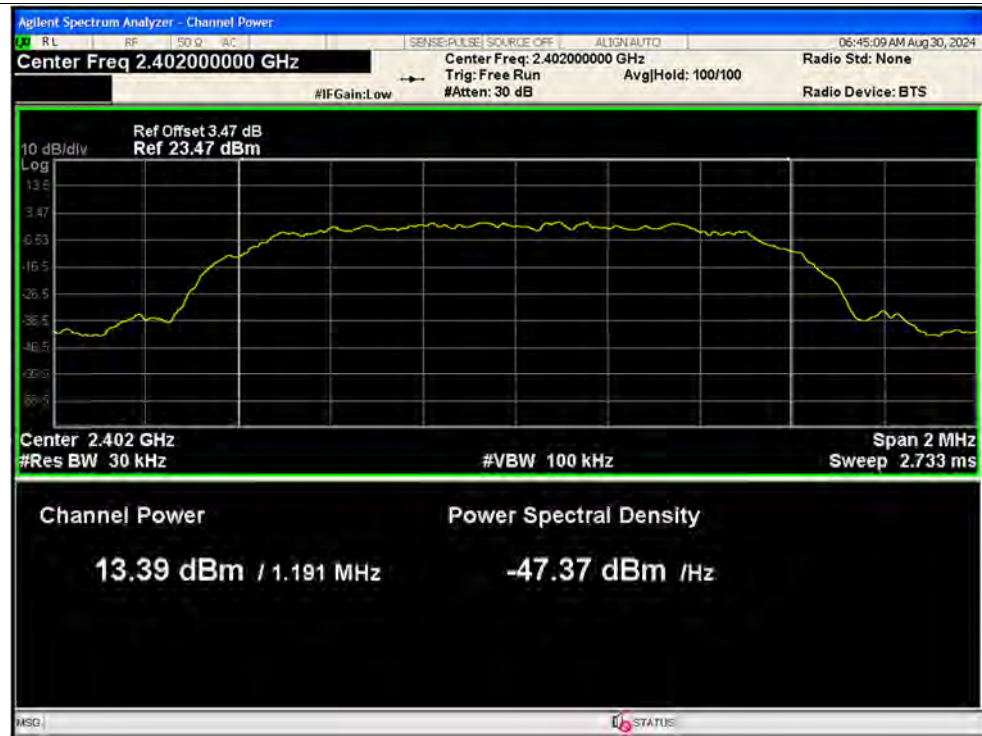


Average Power NVNT 3-DH5 2480MHz Ant8

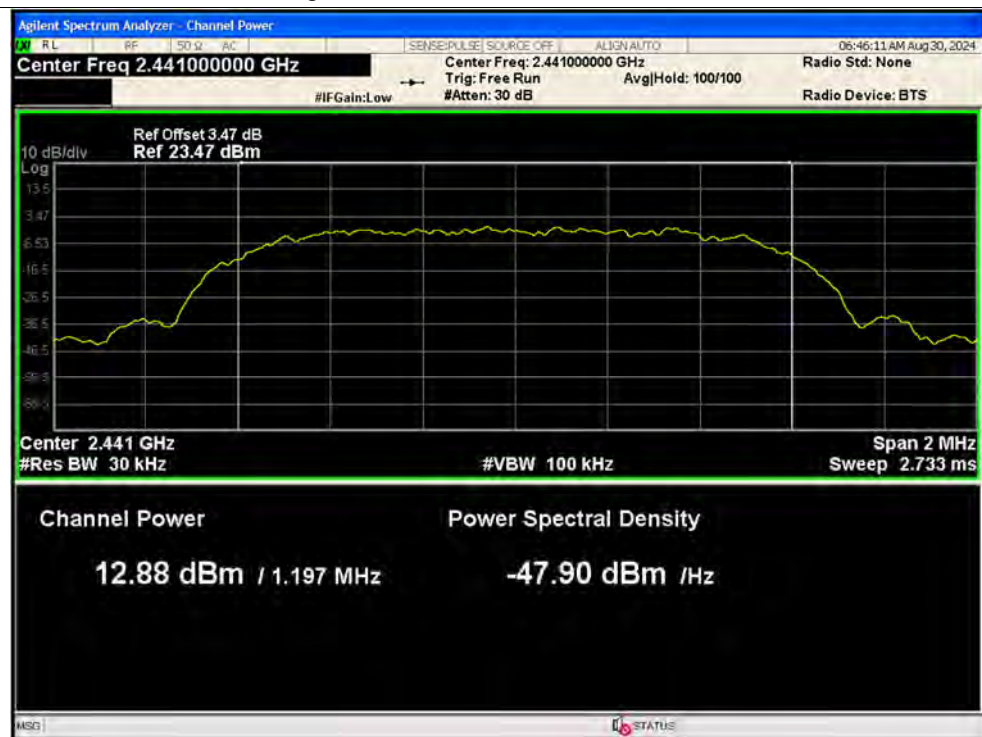




Average Power NVNT 3-DH5 2402MHz Ant9

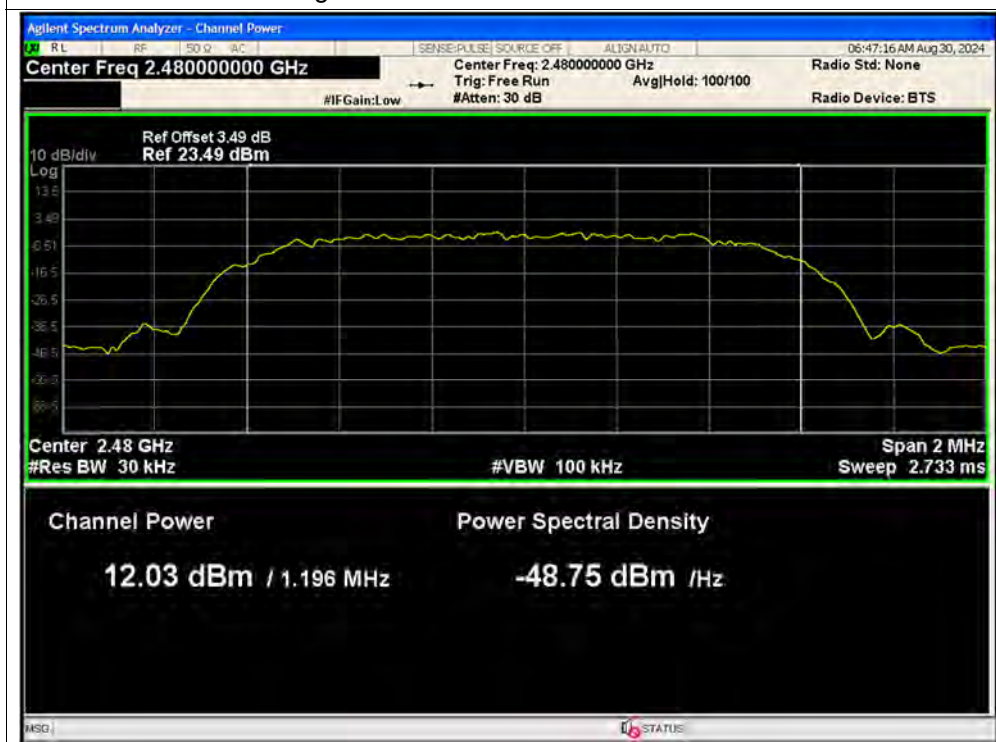


Average Power NVNT 3-DH5 2441MHz Ant9





Average Power NVNT 3-DH5 2480MHz Ant9



**A.5. 20 dB Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)
NVNT	1-DH5	2402	Ant1	0.952
NVNT	1-DH5	2441	Ant1	0.947
NVNT	1-DH5	2480	Ant1	0.945
NVNT	1-DH5	2402	Ant8	0.952
NVNT	1-DH5	2441	Ant8	0.953
NVNT	1-DH5	2480	Ant8	0.948
NVNT	1-DH5	2402	Ant9	0.945
NVNT	1-DH5	2441	Ant9	0.945
NVNT	1-DH5	2480	Ant9	0.945
NVNT	2-DH5	2402	Ant1	1.333
NVNT	2-DH5	2441	Ant1	1.317
NVNT	2-DH5	2480	Ant1	1.331
NVNT	2-DH5	2402	Ant8	1.32
NVNT	2-DH5	2441	Ant8	1.318
NVNT	2-DH5	2480	Ant8	1.319
NVNT	2-DH5	2402	Ant9	1.324
NVNT	2-DH5	2441	Ant9	1.334
NVNT	2-DH5	2480	Ant9	1.318
NVNT	3-DH5	2402	Ant1	1.37
NVNT	3-DH5	2441	Ant1	1.309
NVNT	3-DH5	2480	Ant1	1.346
NVNT	3-DH5	2402	Ant8	1.313
NVNT	3-DH5	2441	Ant8	1.289
NVNT	3-DH5	2480	Ant8	1.31
NVNT	3-DH5	2402	Ant9	1.347
NVNT	3-DH5	2441	Ant9	1.312
NVNT	3-DH5	2480	Ant9	1.307



Test Graphs

-20dB Bandwidth NVNT 1-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant1





-20dB Bandwidth NVNT 1-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 1-DH5 2402MHz Ant8





-20dB Bandwidth NVNT 1-DH5 2441MHz Ant8



-20dB Bandwidth NVNT 1-DH5 2480MHz Ant8



-20dB Bandwidth NVNT 1-DH5 2402MHz Ant9



-20dB Bandwidth NVNT 1-DH5 2441MHz Ant9





-20dB Bandwidth NVNT 1-DH5 2480MHz Ant9



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant1



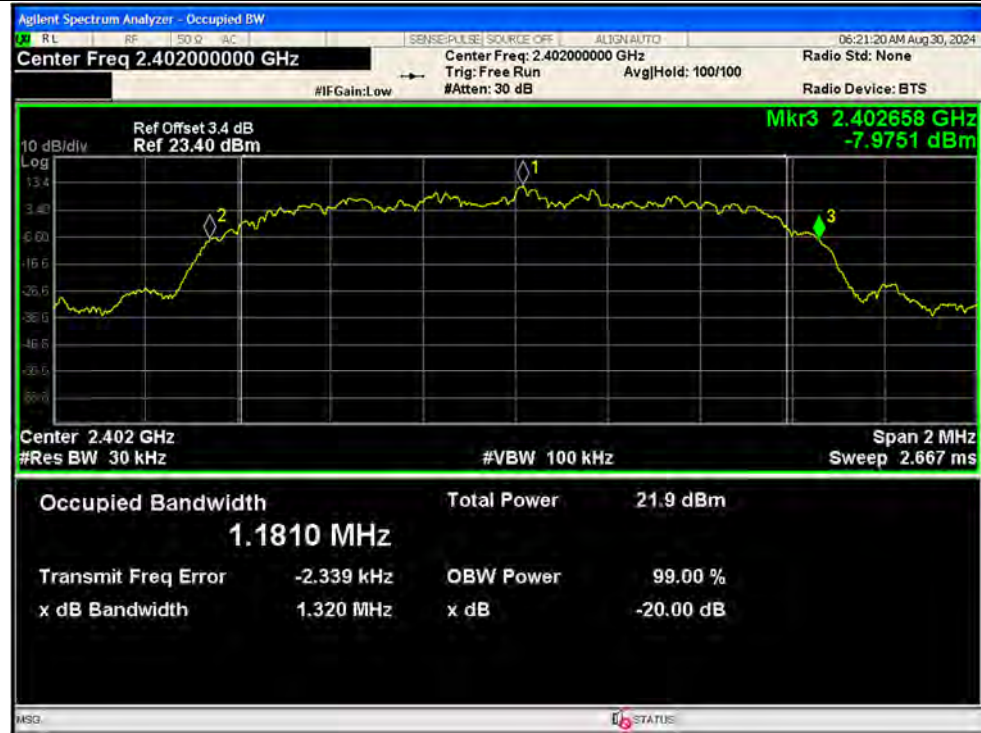
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant1



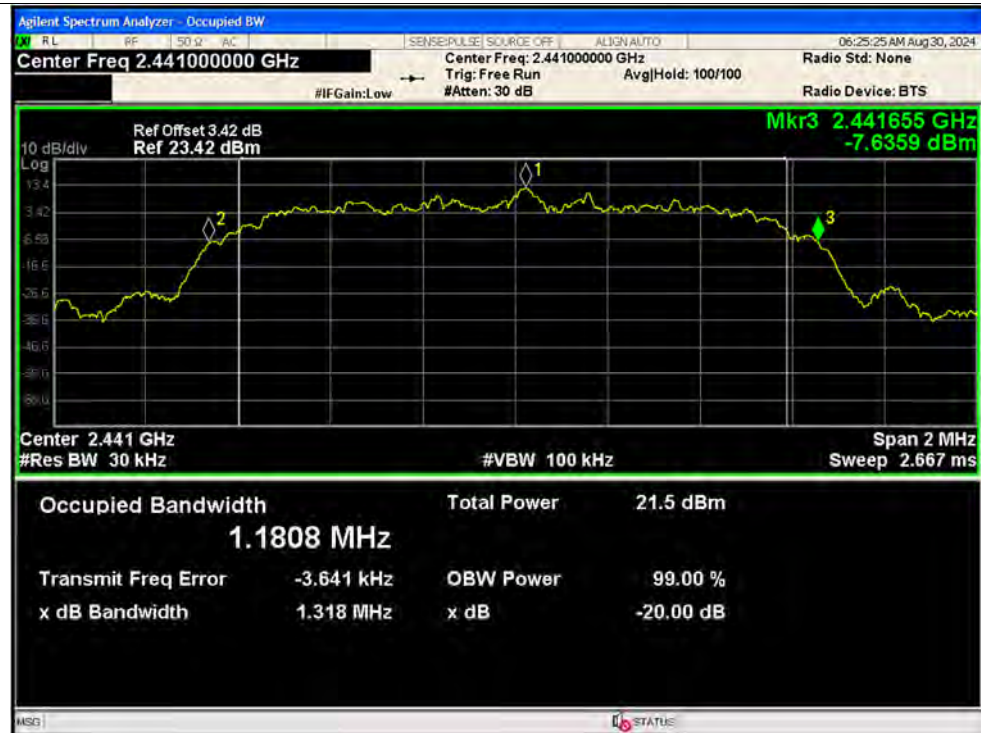
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant8



-20dB Bandwidth NVNT 2-DH5 2441MHz Ant8





-20dB Bandwidth NVNT 2-DH5 2480MHz Ant8



-20dB Bandwidth NVNT 2-DH5 2402MHz Ant9





-20dB Bandwidth NVNT 2-DH5 2441MHz Ant9



-20dB Bandwidth NVNT 2-DH5 2480MHz Ant9





-20dB Bandwidth NVNT 3-DH5 2402MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant1



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant1

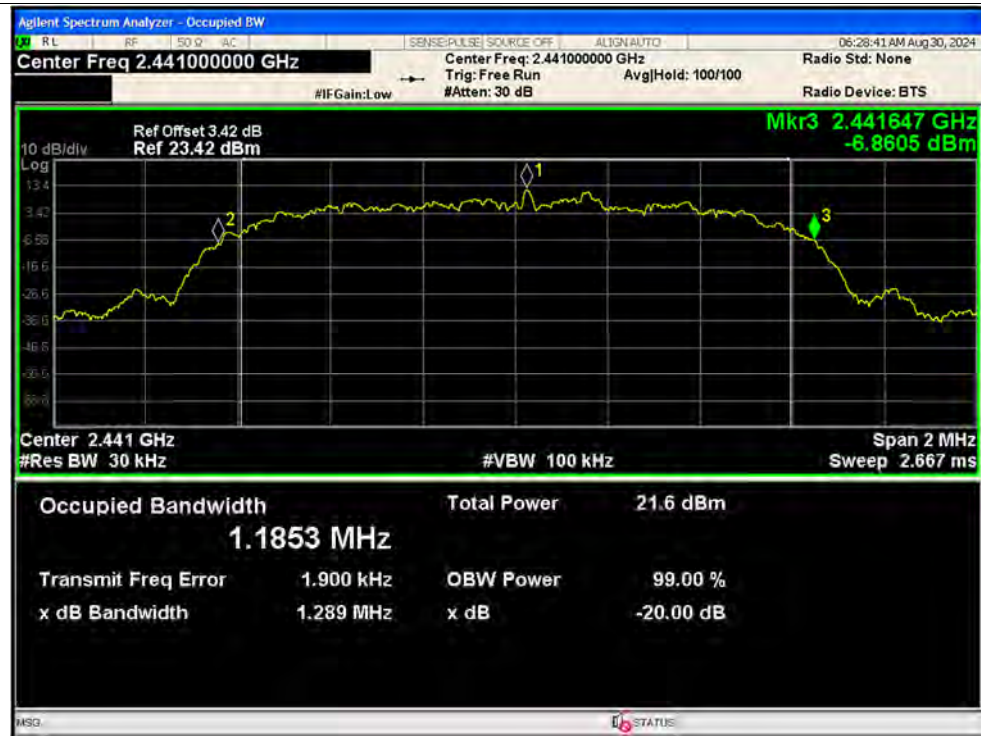


-20dB Bandwidth NVNT 3-DH5 2402MHz Ant8





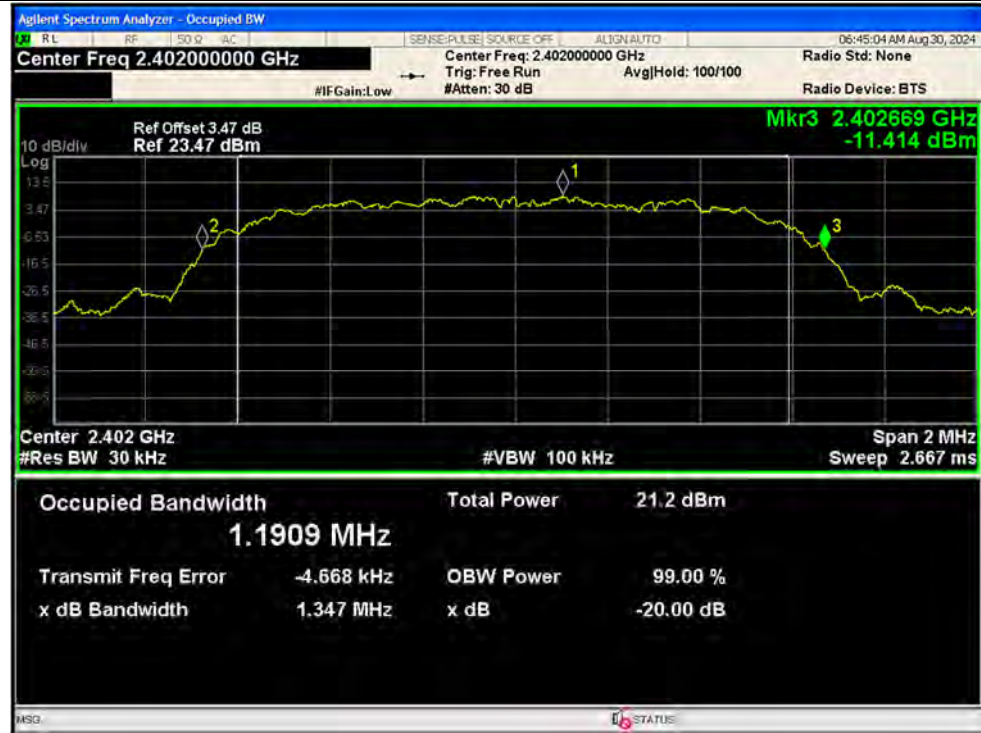
-20dB Bandwidth NVNT 3-DH5 2441MHz Ant8



-20dB Bandwidth NVNT 3-DH5 2480MHz Ant8



-20dB Bandwidth NVNT 3-DH5 2402MHz Ant9

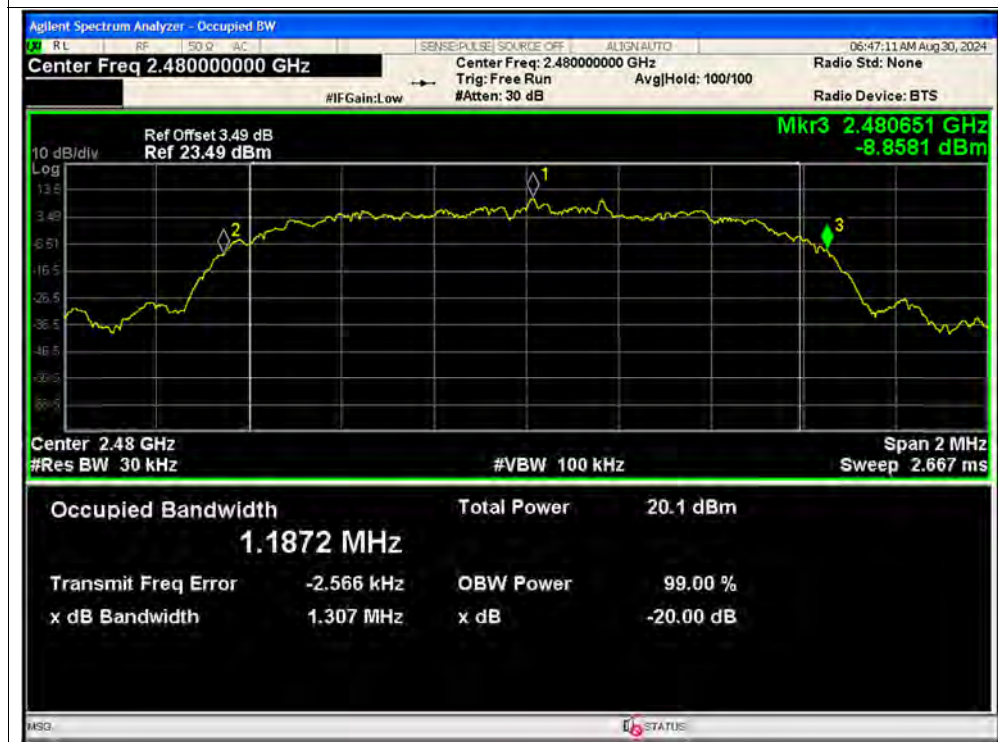


-20dB Bandwidth NVNT 3-DH5 2441MHz Ant9





-20dB Bandwidth NVNT 3-DH5 2480MHz Ant9



**A.6. Carried Frequency Separation**

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.99	2403.016	1.026	0.635	Pass
NVNT	1-DH5	Ant1	2440.976	2441.97	0.994	0.631	Pass
NVNT	1-DH5	Ant1	2478.974	2479.974	1	0.63	Pass
NVNT	1-DH5	Ant8	2401.994	2402.974	0.98	0.635	Pass
NVNT	1-DH5	Ant8	2440.966	2441.974	1.008	0.635	Pass
NVNT	1-DH5	Ant8	2478.984	2479.986	1.002	0.632	Pass
NVNT	1-DH5	Ant9	2402.014	2403.01	0.996	0.63	Pass
NVNT	1-DH5	Ant9	2441.012	2441.976	0.964	0.63	Pass
NVNT	1-DH5	Ant9	2479.012	2480.012	1	0.63	Pass
NVNT	2-DH5	Ant1	2402.016	2403.024	1.008	0.889	Pass
NVNT	2-DH5	Ant1	2441.014	2442.024	1.01	0.878	Pass
NVNT	2-DH5	Ant1	2479.146	2480.156	1.01	0.887	Pass
NVNT	2-DH5	Ant8	2402.026	2403.024	0.998	0.88	Pass
NVNT	2-DH5	Ant8	2441.01	2442.02	1.01	0.879	Pass
NVNT	2-DH5	Ant8	2479.016	2480.01	0.994	0.879	Pass
NVNT	2-DH5	Ant9	2402.016	2403.022	1.006	0.883	Pass
NVNT	2-DH5	Ant9	2441.012	2442.01	0.998	0.889	Pass
NVNT	2-DH5	Ant9	2478.83	2480.01	1.18	0.879	Pass
NVNT	3-DH5	Ant1	2402.024	2403.162	1.138	0.913	Pass
NVNT	3-DH5	Ant1	2441.022	2442.024	1.002	0.873	Pass
NVNT	3-DH5	Ant1	2479.152	2480.14	0.988	0.897	Pass
NVNT	3-DH5	Ant8	2402.008	2403.154	1.146	0.875	Pass
NVNT	3-DH5	Ant8	2441.14	2442.02	0.88	0.859	Pass
NVNT	3-DH5	Ant8	2479.016	2480.022	1.006	0.873	Pass
NVNT	3-DH5	Ant9	2402.02	2403.018	0.998	0.898	Pass
NVNT	3-DH5	Ant9	2441.018	2442.02	1.002	0.875	Pass
NVNT	3-DH5	Ant9	2479.148	2480.022	0.874	0.871	Pass



Test Graphs

CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 1-DH5 2441MHz Ant1





CFS NVNT 1-DH5 2480MHz Ant1



CFS NVNT 1-DH5 2402MHz Ant8





CFS NVNT 1-DH5 2441MHz Ant8



CFS NVNT 1-DH5 2480MHz Ant8





CFS NVNT 1-DH5 2402MHz Ant9



CFS NVNT 1-DH5 2441MHz Ant9

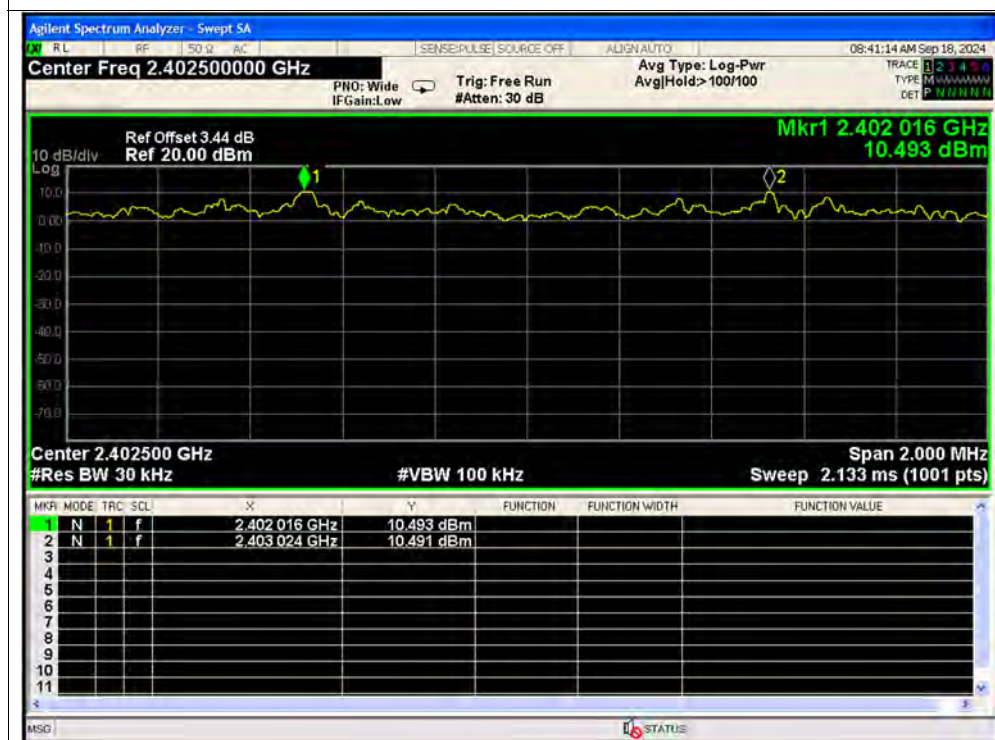




CFS NVNT 1-DH5 2480MHz Ant9

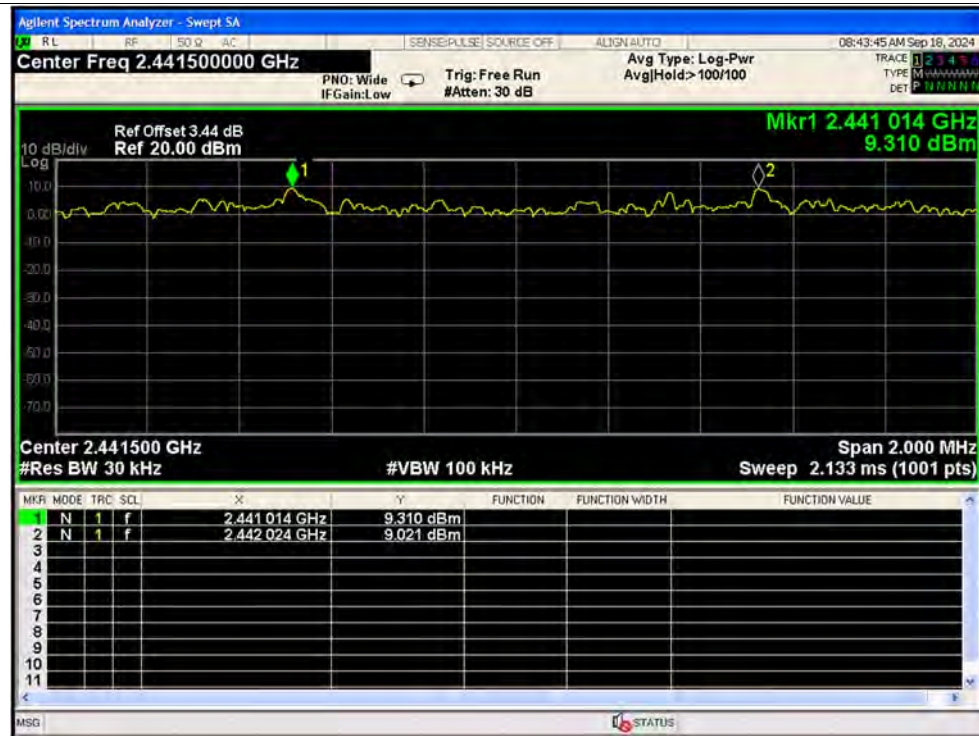


CFS NVNT 2-DH5 2402MHz Ant1

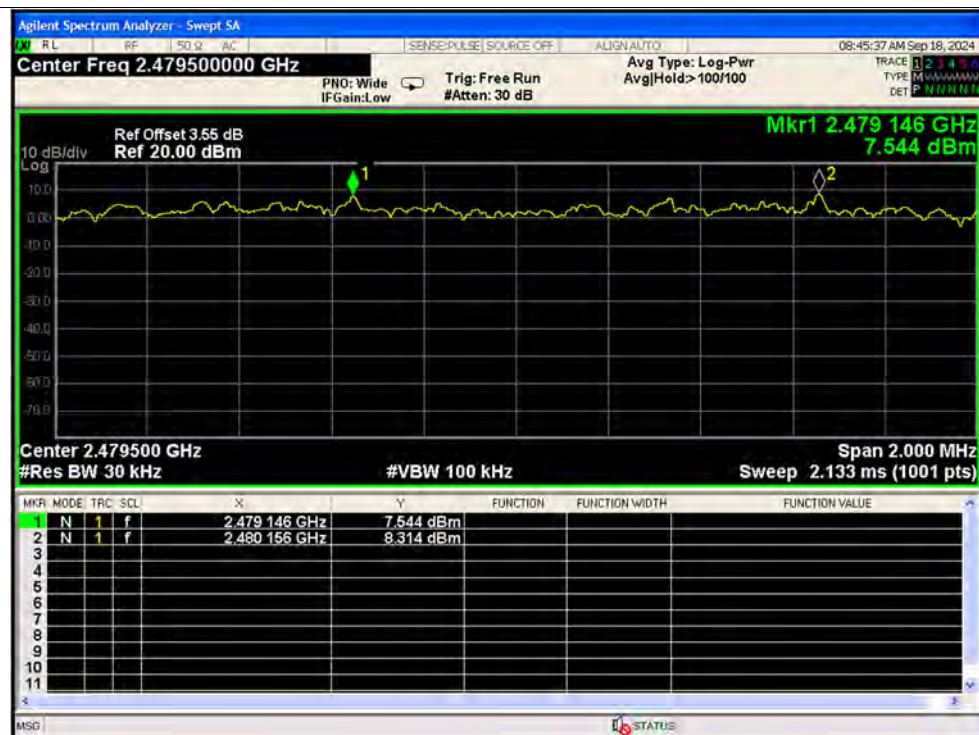




CFS NVNT 2-DH5 2441MHz Ant1

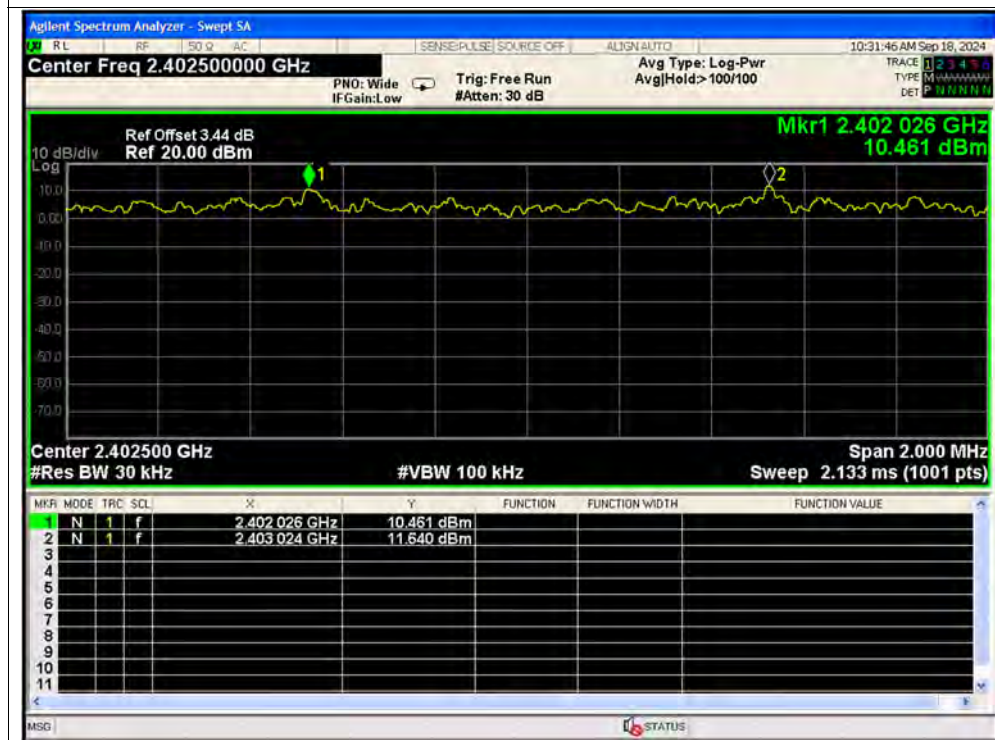


CFS NVNT 2-DH5 2480MHz Ant1

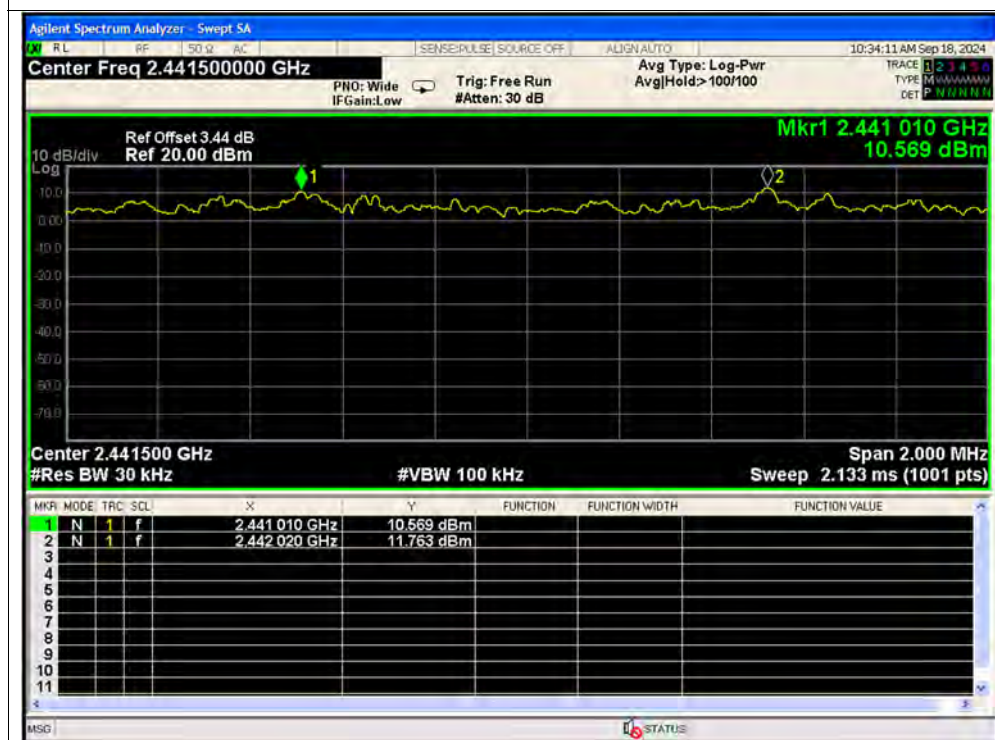




CFS NVNT 2-DH5 2402MHz Ant8

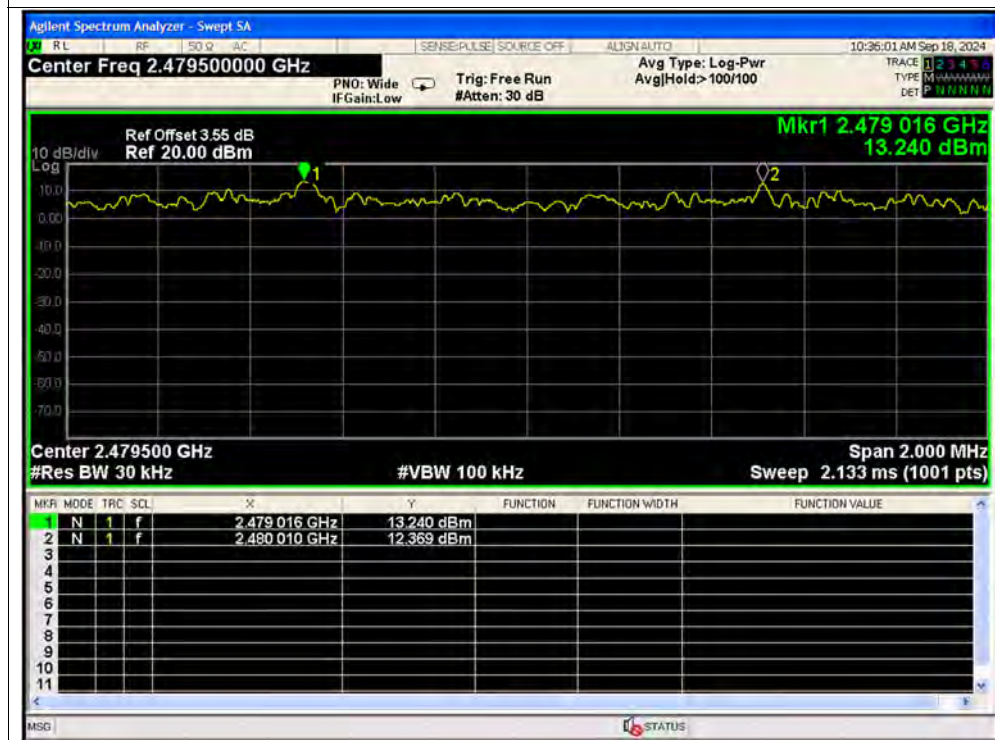


CFS NVNT 2-DH5 2441MHz Ant8

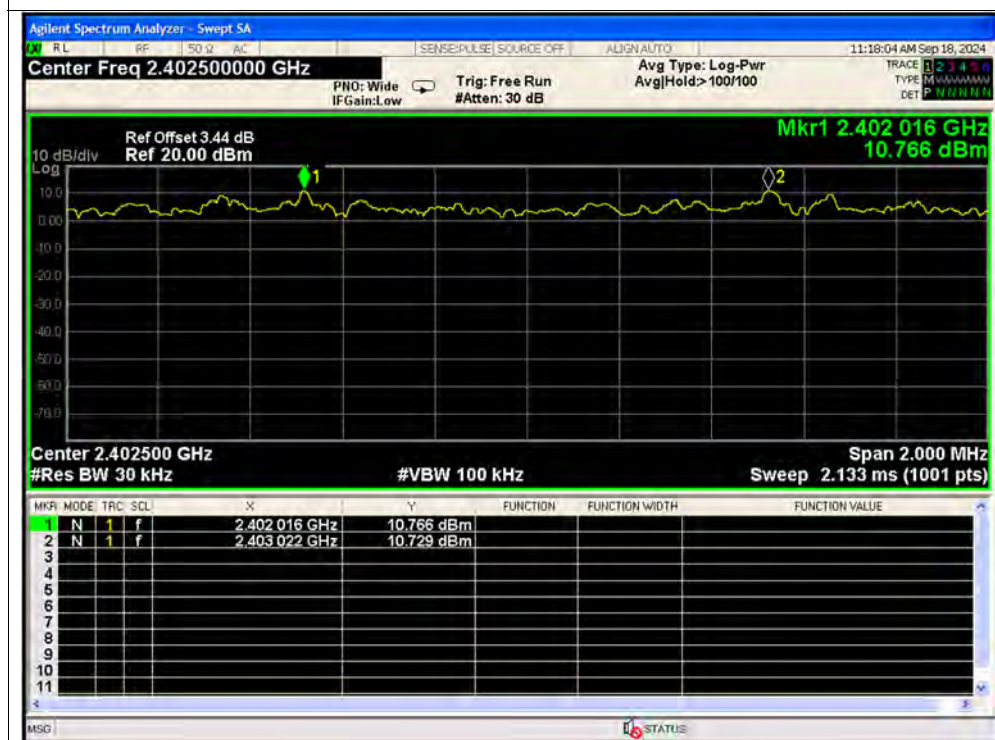




CFS NVNT 2-DH5 2480MHz Ant8

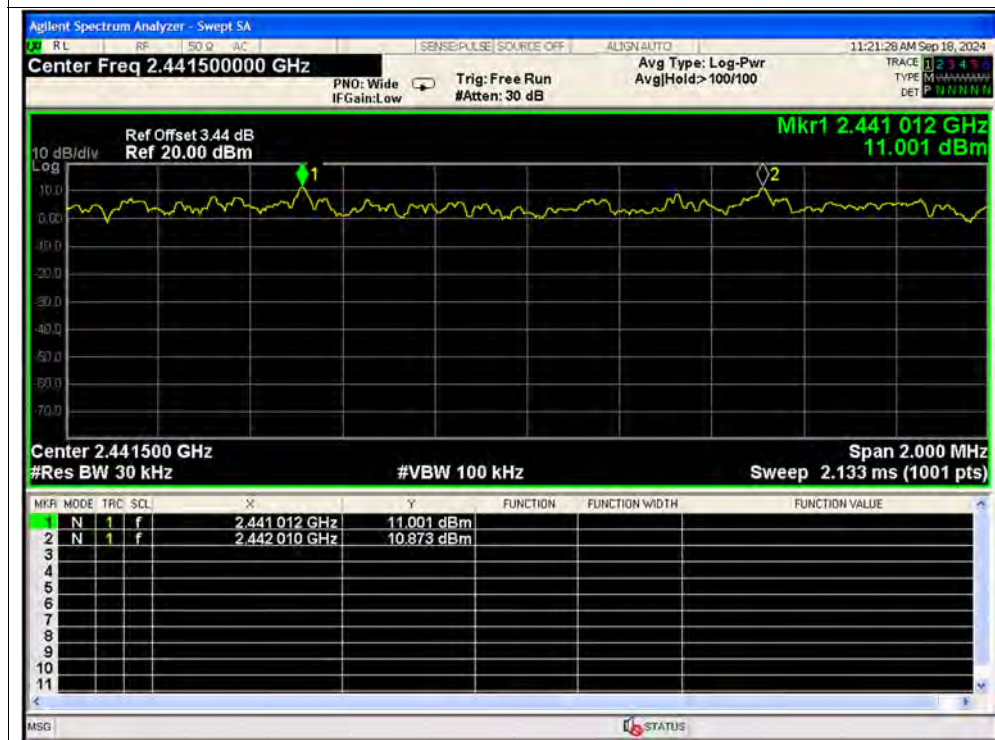


CFS NVNT 2-DH5 2402MHz Ant9

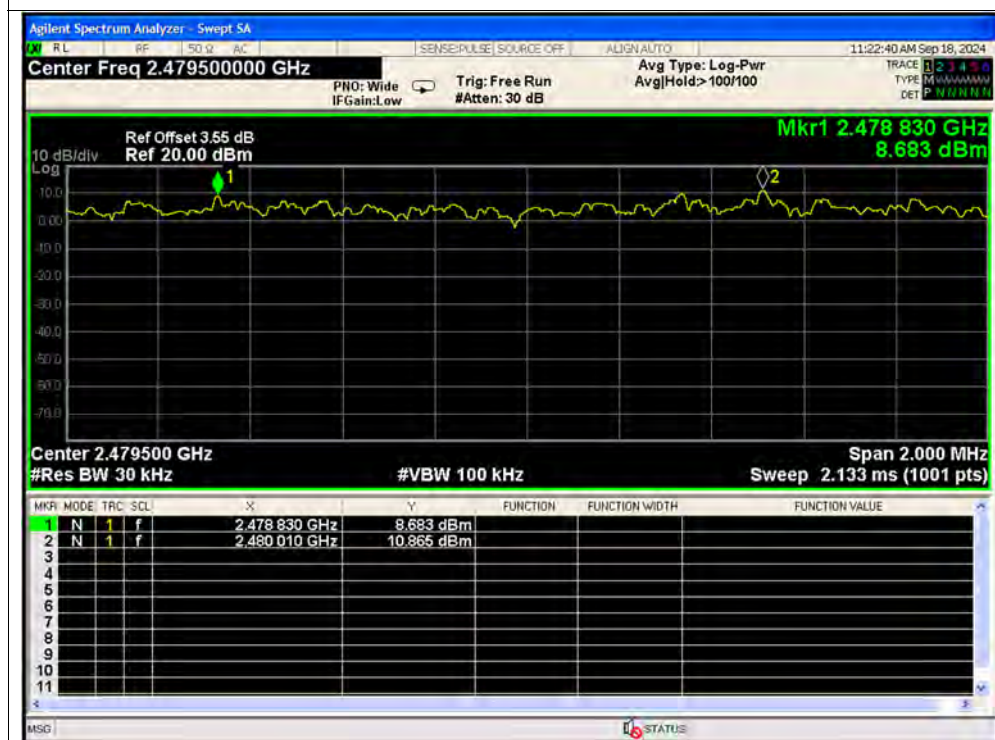




CFS NVNT 2-DH5 2441MHz Ant9



CFS NVNT 2-DH5 2480MHz Ant9

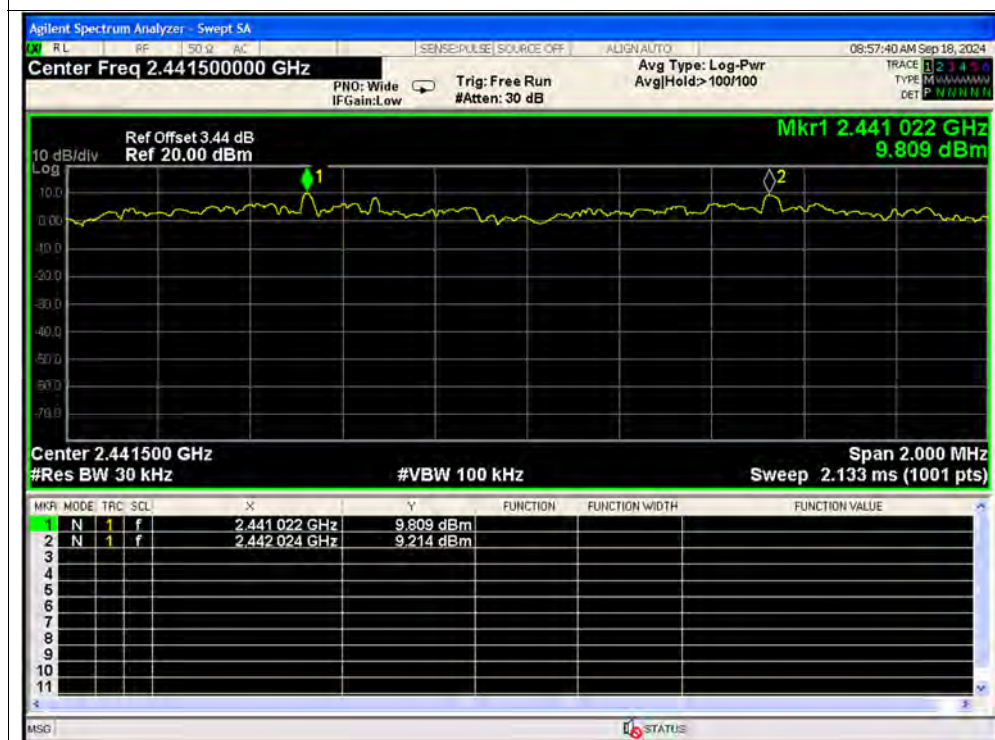




CFS NVNT 3-DH5 2402MHz Ant1



CFS NVNT 3-DH5 2441MHz Ant1

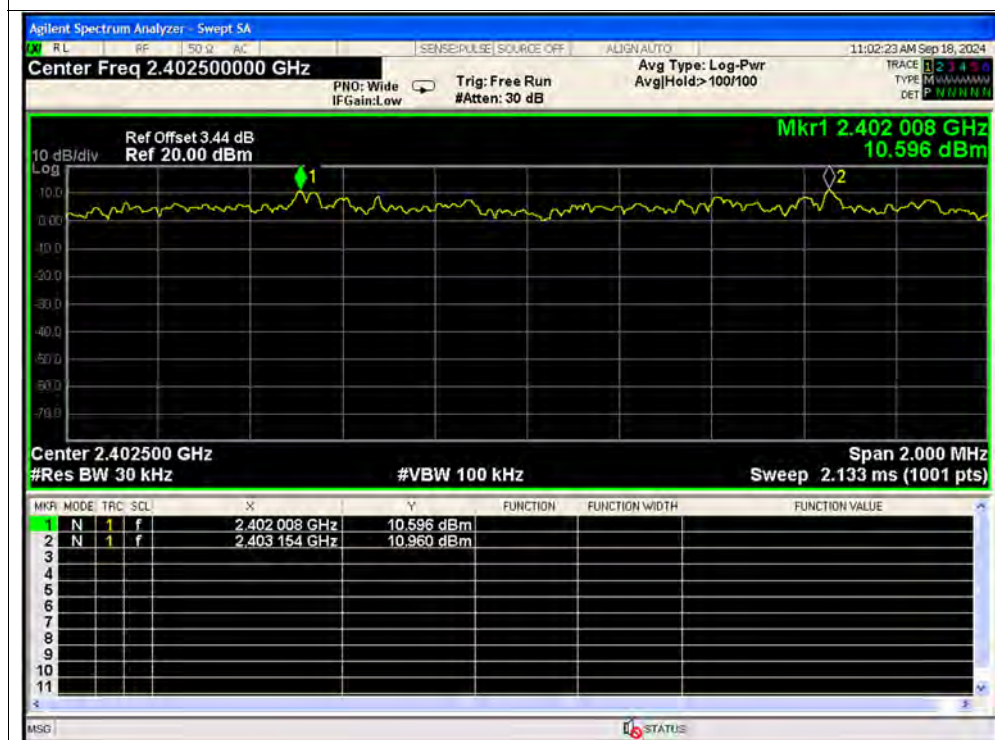




CFS NVNT 3-DH5 2480MHz Ant1

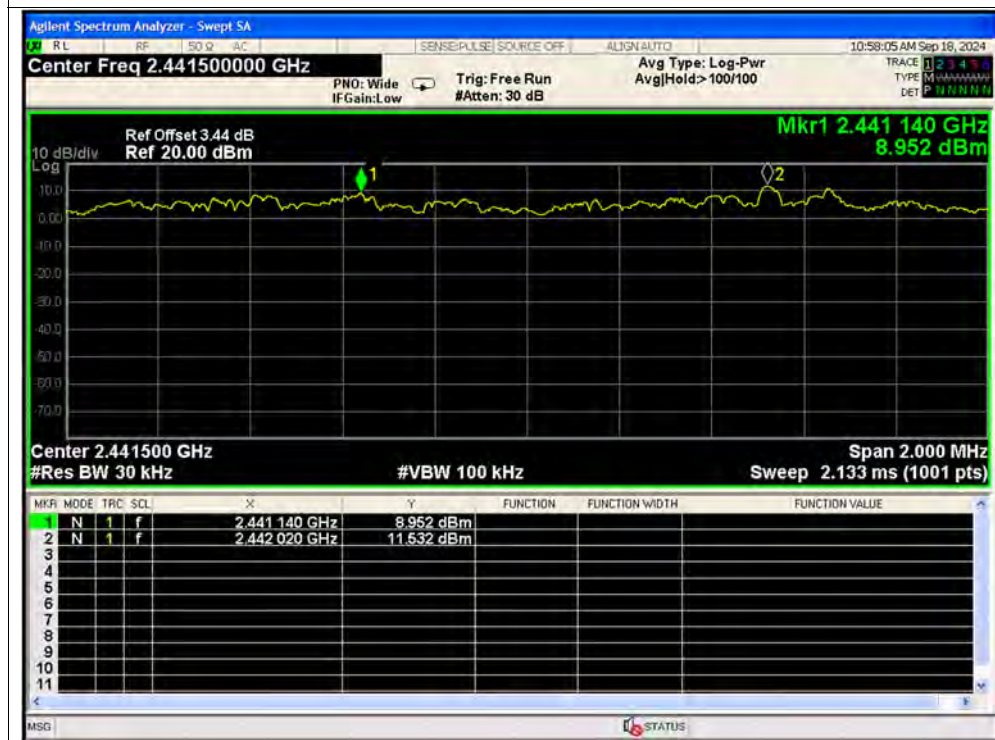


CFS NVNT 3-DH5 2402MHz Ant8

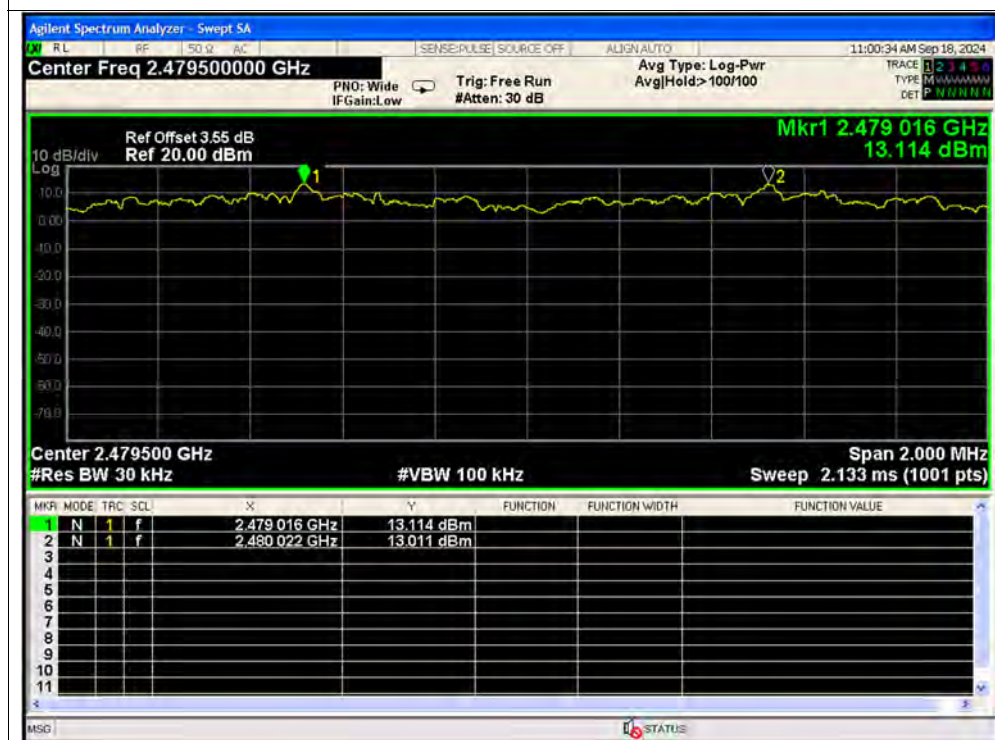




CFS NVNT 3-DH5 2441MHz Ant8



CFS NVNT 3-DH5 2480MHz Ant8

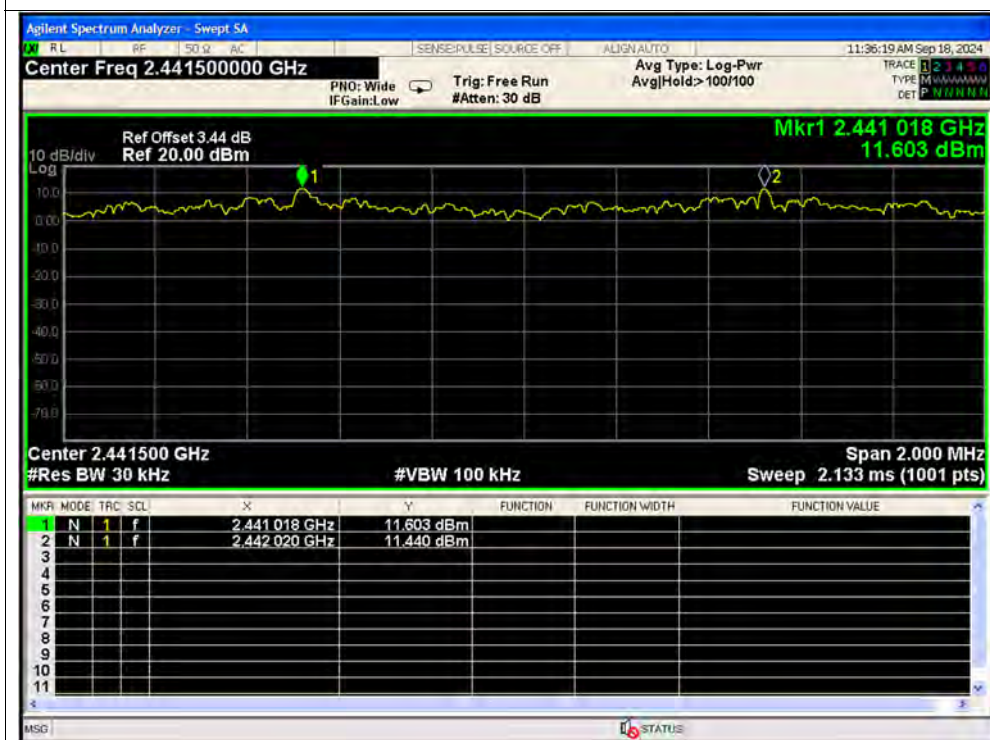




CFS NVNT 3-DH5 2402MHz Ant9

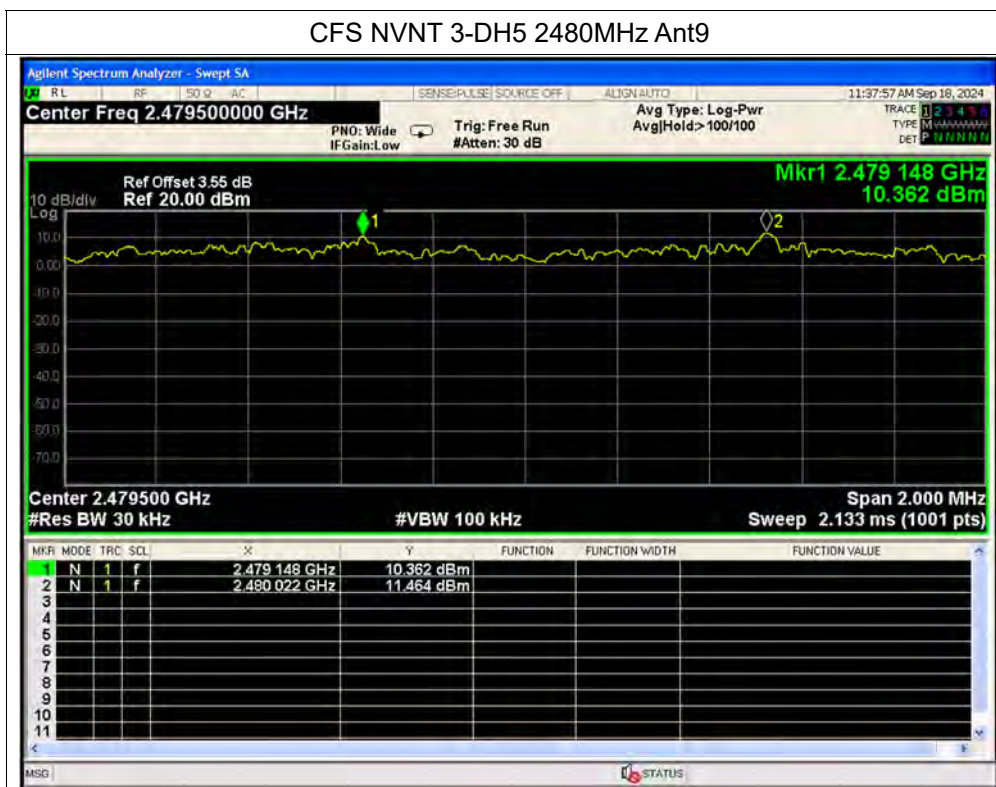


CFS NVNT 3-DH5 2441MHz Ant9





CFS NVNT 3-DH5 2480MHz Ant9



**A.7. Time of Occupancy (Dwell time)**

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant1	2.872	315.92	110	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.872	330.28	115	31600	400	Pass
NVNT	1-DH5	2480	Ant1	2.872	333.152	116	31600	400	Pass
NVNT	1-DH5	2402	Ant8	2.871	321.552	112	31600	400	Pass
NVNT	1-DH5	2441	Ant8	2.872	336.024	117	31600	400	Pass
NVNT	1-DH5	2480	Ant8	2.872	298.688	104	31600	400	Pass
NVNT	1-DH5	2402	Ant9	2.871	278.487	97	31600	400	Pass
NVNT	1-DH5	2441	Ant9	2.871	298.584	104	31600	400	Pass
NVNT	1-DH5	2480	Ant9	2.871	278.487	97	31600	400	Pass
NVNT	2-DH5	2402	Ant1	2.38	235.62	99	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.376	258.984	109	31600	400	Pass
NVNT	2-DH5	2480	Ant1	2.376	211.464	89	31600	400	Pass
NVNT	2-DH5	2402	Ant8	2.379	230.763	97	31600	400	Pass
NVNT	2-DH5	2441	Ant8	2.379	266.448	112	31600	400	Pass
NVNT	2-DH5	2480	Ant8	2.379	247.416	104	31600	400	Pass
NVNT	2-DH5	2402	Ant9	2.379	240.279	101	31600	400	Pass
NVNT	2-DH5	2441	Ant9	2.376	275.616	116	31600	400	Pass
NVNT	2-DH5	2480	Ant9	2.376	263.736	111	31600	400	Pass
NVNT	3-DH5	2402	Ant1	2.89	320.79	111	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.889	306.234	106	31600	400	Pass
NVNT	3-DH5	2480	Ant1	2.886	360.75	125	31600	400	Pass
NVNT	3-DH5	2402	Ant8	2.889	340.902	118	31600	400	Pass
NVNT	3-DH5	2441	Ant8	2.889	297.567	103	31600	400	Pass
NVNT	3-DH5	2480	Ant8	2.889	306.234	106	31600	400	Pass
NVNT	3-DH5	2402	Ant9	2.889	343.791	119	31600	400	Pass
NVNT	3-DH5	2441	Ant9	2.889	317.79	110	31600	400	Pass
NVNT	3-DH5	2480	Ant9	2.889	317.79	110	31600	400	Pass