

RF TEST REPORT

For

Dongguanyinjiedianzikeji Co., Ltd.
Product Name: Wireless Headphones
Test Model(s): X15

Report Reference No. : DACE250904042RL001

FCC ID : 2BR5L-X15

Applicant's Name : Dongguanyinjiedianzikeji Co., Ltd.

Address Suite 1302, Tower A, Golden Life Science Park 188 Pingshan Industrial

Park Tangxia Town Dongguan City Guangdong Province

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.

102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park,

Address : Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen,

Guangdong, China

Test Specification Standard : 47 CFR Part 15.247

Date of Receipt : September 2, 2025

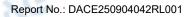
Date of Test : September 2, 2025 to September 11, 2025

Data of Issue : September 11, 2025

Result : Pass

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Apply for company information

Applicant's Name	:	Dongguanyinjiedianzikeji Co., Ltd.			
Address	:	Suite 1302, Tower A, Golden Life Science Park 188 Pingshan Industrial Park Tangxia Town Dongguan City Guangdong Province			
Product Name	:	Wireless Headphones			
Test Model(s)	:	X15			
Series Model(s)	ø	N/A			
Test Specification Standard(s)	V.	47 CFR Part 15.247			

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:

Keren Huang

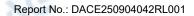
But Teny

Tom Chen

Keren Huang / Test EngineerBen Tang / Project EngineerTom Chen / ManagerSeptember 11, 2025September 11, 2025September 11, 2025

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Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE250904042RL001	September 11, 2025
		-36	
	No.	2	- 1/6
			201

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TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

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1.2 Summary of Test Result

Item	Method	Requirement	Result
Antenna requirement	1	47 CFR 15.203	Pass
Conducted Emission at AC power line	ANSI C63.10-2020 section 6.2	47 CFR 15.207(a)	Pass
20dB Bandwidth	ANSI C63.10-2020, section 7.8.6 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(a)(1)	Pass
Maximum Conducted Output Power	ANSI C63.10-2020, section 7.8.5 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(b)(1)	Pass
Channel Separation	ANSI C63.10-2020, section 7.8.2 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(a)(1)	Pass
Number of Hopping Frequencies	ANSI C63.10-2020, section 7.8.3 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(a)(1)(iii)	Pass
Dwell Time	ANSI C63.10-2020, section 7.8.4 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(a)(1)(iii)	Pass
Emissions in non-restricted frequency bands	ANSI C63.10-2020 section 7.8.7 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d)	Pass
Band edge emissions (Radiated)	ANSI C63.10-2020 section 6.10 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d), 15.209, 15.205	Pass
Emissions in frequency bands (below 1GHz)	ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d), 15.209, 15.205	Pass
Emissions in frequency bands (above 1GHz)	ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02	47 CFR 15.247(d), 15.209, 15.205	Pass

Note: 1.N/A -this device(EUT) is not applicable to this testing item

2. RF-conducted test results including cable loss.

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2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : Dongguanyinjiedianzikeji Co., Ltd.

Address : Suite 1302, Tower A, Golden Life Science Park 188 Pingshan Industrial Park

Tangxia Town Dongguan City Guangdong Province

Manufacturer : Dongguanyinjiedianzikeji Co., Ltd.

Address : Suite 1302, Tower A, Golden Life Science Park 188 Pingshan Industrial Park

Tangxia Town Dongguan City Guangdong Province

2.2 Description of Device (EUT)

Product Name:	Wireless Headphones
Model/Type reference:	X15
Series Model:	N/A
Trade Mark:	N/A
Power Supply:	DC 5V/1A from adapter, Battery:DC3.7V 30mAh
Operation Frequency:	2402MHz to 2480MHz
Number of Channels:	79
Modulation Type:	GFSK, π/4 DQPSK, 8DPSK
Antenna Type:	PCB Antenna
Antenna Gain:	-0.08dBi
Hardware Version:	V2.5
Software Version:	V1.0

Operation	Operation Frequency each of channel						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	21	2422MHz	41	2442MHz	61	2462MHz
2	2403MHz	22	2423MHz	42	2443MHz	62	2463MHz
3	2404MHz	23	2424MHz	43	2444MHz	63	2464MHz
4	2405MHz	24	2425MHz	44	2445MHz	64	2465MHz
5	2406MHz	25	2426MHz	45	2446MHz	65	2466MHz
6	2407MHz	26	2427MHz	46	2447MHz	66	2467MHz
7	2408MHz	27	2428MHz	47	2448MHz	67	2468MHz
8	2409MHz	28	2429MHz	48	2449MHz	68	2469MHz
9	2410MHz	29	2430MHz	49	2450MHz	69	2470MHz
10	2411MHz	30	2431MHz	50	2451MHz	70	2471MHz
11	2412MHz	31	2432MHz	51	2452MHz	71	2472MHz
12	2413MHz	32	2433MHz	52	2453MHz	72	2473MHz
13	2414MHz	33	2434MHz	53	2454MHz	73	2474MHz
14	2415MHz	34	2435MHz	54	2455MHz	74	2475MHz
15	2416MHz	35	2436MHz	55	2456MHz	75	2476MHz
16	2417MHz	36	2437MHz	56	2457MHz	76	2477MHz

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V1.0

17	2418MHz	37	2438MHz	57	2458MHz	77	2478MHz
18	2419MHz	38	2439MHz	58	2459MHz	78	2479MHz
19	2420MHz	39	2440MHz	59	2460MHz	79	2480MHz
20	2421MHz	40	2441MHz	60	2461MHz	2	

Note:In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Toot showned	Frequency (MHz)	
Test channel	BDR/EDR	76
Lowest channel	2402MHz	OP
Middle channel	2441MHz	
Highest channel	2480MHz	

Description of Test Modes

No	Title	Description
TM1	TX-GFSK (Non- Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with GFSK modulation at lowest, middle and highest channel.
TM2	TX-Pi/4DQPSK (Non- Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with Pi/4DQPSK modulation at lowest, middle and highest channel.
ТМЗ	TX-8DPSK (Non- Hopping)	Keep the EUT in continuously transmitting mode (non-hopping) with 8DPSK modulation at lowest, middle and highest channel.
TM4	TX-GFSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with GFSK modulation,.
TM5	TX-Pi/4DQPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with Pi/4DQPSK modulation.
TM6	TX-8DPSK (Hopping)	Keep the EUT in continuously transmitting mode (hopping) with 8DPSK modulation.
TM7	Charging	Keep the EUTin the base and connect to Adapter
Remark	c:Only the data of the worst	mode would be recorded in this report.

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
AC-DC adapter	HUAWEI	P0005	1

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2.5 Equipments Used During The Test

Conducted Emission at AC power line						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
Power absorbing clamp	SCHWARZ BECK	MESS- ELEKTRONIK	/	2025-04-23	2026-04-22	
Electric Network	SCHWARZ BECK	CAT5 8158	CAT5 8158#207	2025-04-18	2026-04-17	
Cable	SCHWARZ BECK	100	1	2025-04-18	2026-04-17	
Pulse Limiter	SCHWARZ BECK	VTSD 9561-F Pulse limiter 10dB Attenuation	561-G071	2024-12-06	2025-12-05	
50ΩCoaxial Switch	Anritsu	MP59B	M20531	/	/	
Test Receiver	Rohde & Schwarz	ESPI TEST RECEIVER	1164.6607K03 -102109-MH	2025-04-25	2026-04-24	
L.I.S.N	R&S	ESH3-Z5	831.5518.52	2025-04-18	2026-04-17	
L.I.S.N	SCHWARZ BECK	NSLK 8126	05055	2025-04-18	2026-04-17	
Pulse Limiter	CYBERTEK	EM5010A	1	2024-09-27	2025-09-26	
EMI test software	EZ -EMC	EZ	V1.1.42	1	1	

Report No.: DACE250904042RL001

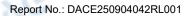
Emissions in non-restricted frequency bands 20dB Bandwidth Maximum Conducted Output Power Channel Separation Number of Hopping Frequencies

Dwell Time

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Test Software	Tachoy Information Technology(she nzhen) Co.,Ltd.	RTS-01	V1.0.0	1	OXE
Power divider	MIDEWEST	PWD-2533	SMA-79	2025-04-18	2026-05-10
RF Sensor Unit	Tachoy Information Technology(she nzhen) Co.,Ltd.	TR1029-2	000001	/	1
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24
Vector Signal Generator	Keysight	N5181A	MY50143455	2024-12-06	2025-12-05
Signal Generator	Keysight	N5182A	MY48180415	2024-12-06	2025-12-05
Spectrum Analyzer	Keysight	N9020A	MY53420323	2024-12-06	2025-12-05

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Band edge emissions (Radiated)
Emissions in frequency bands (below 1GHz)
Emissions in frequency bands (above 1GHz)

Emissions in requency bunds (ubove 16112)									
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date				
EMI Test software	Farad	EZ -EMC	V1.1.42	1	1				
Positioning Controller	MF	MF-7802	1	1	1				
Amplifier(18-40G)	COM-POWER	AH-1840	10100008-1	2024-04-26	2027-04-25				
Horn antenna	COM-POWER	AH-1840 (18-40G)	10100008	2024-04-26	2027-04-25				
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2025-04-28	2026-04-27				
Cable(LF)#2	Schwarzbeck	1	/	2024-12-19	2025-12-18				
Cable(LF)#1	Schwarzbeck	1	1	2024-12-19	2025-12-18				
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2025-04-25	2026-04-24				
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	1	2025-04-25	2026-04-24				
Power amplifier(LF)	Schwarzbeck	BBV9743	9743-151	2025-04-29	2026-04-28				
Power amplifier(HF)	Schwarzbeck	BBV9718	9718-282	2025-04-29	2026-04-28				
Wideband radio communication tester	R&S	CMW500	113410	2025-04-25	2026-04-24				
Spectrum Analyzer	R&S	FSP30	1321.3008K40 -101729-jR	2025-04-18	2026-04-17				
Test Receiver	R&S	ESCI 3	1166.5950K03 -101431-Jq	2025-04-18	2026-04-17				
Horn Antenna	Sunol Sciences	DRH-118	A091114	2025-04-21	2026-04-20				
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2024-09-28	2026-09-27				

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2.6 Statement Of The Measurement Uncertainty

Measurement Uncertainty
±3.41dB
±3.63%
±0.733dB
±3.1%
±1.98dB
±5.46dB
±5.79dB

Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Identification of Testing Laboratory

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Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

Identification of the Responsible Testing Location

Company Name:	Shenzhen DACE Testing Technology Co., Ltd.
Address:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
Designation Number:	CN1342
Test Firm Registration Number:	778666
A2LA Certificate Number:	6270.01

2.8 Announcement

- (1) The test report reference to the report template version v0.
- (2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
- (3) The test report is invalid if there is any evidence and/or falsification.
- (4) This document may not be altered or revised in any way unless done so by DACE and all revisions are duly noted in the revisions section.
- (5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- (6) We hereby declare that the laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant, the laboratory is not responsible for the accuracy of the information provided by the client(item 2.2). When the information provided by the customer may affect the effectiveness of the results, the responsibility lies with the customer, and the laboratory does not assume any responsibility.

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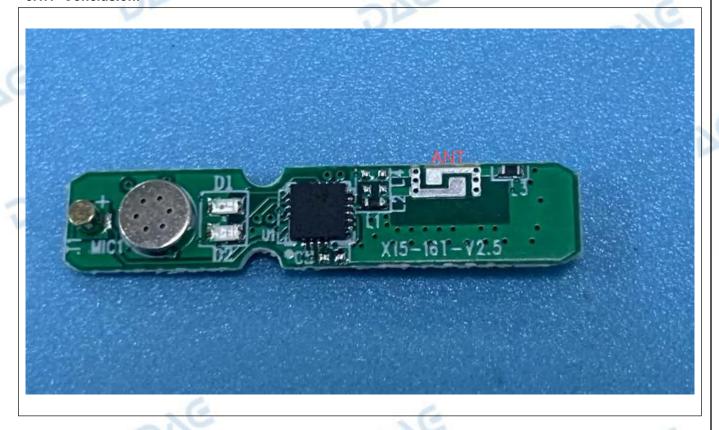
3 Evaluation Results (Evaluation)

3.1 Antenna requirement

Test Requirement:

Refer to 47 CFR Part 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.

3.1.1 Conclusion:



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4 Radio Spectrum Matter Test Results (RF)

4.1 Conducted Emission at AC power line

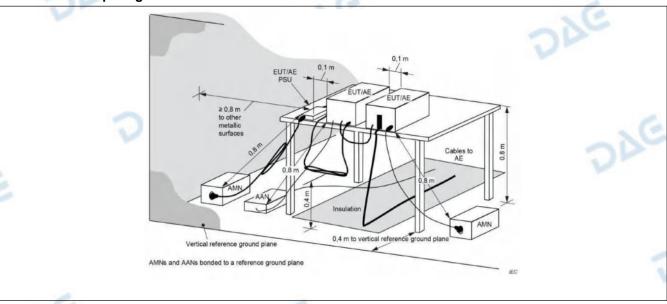
V1.0

section, for an intentional radiator the utility (AC) power line, the radio free AC power line on any frequency or MHz, shall not exceed the limits in the section of the section.	nat is designed to be conne quency voltage that is cond frequencies, within the bar he following table, as mea	ected to the public ducted back onto the nd 150 kHz to 30			
Frequency of emission (MHz)	Conducted limit (dBµV)				
0	Quasi-peak	Average			
0.15-0.5	66 to 56*	56 to 46*			
0.5-5	56	46			
5-30	60	50			
*Decreases with the logarithm of the frequency.					
ANSI C63.10-2020 section 6.2					
Refer to ANSI C63.10-2020 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices					
	section, for an intentional radiator thutility (AC) power line, the radio free AC power line on any frequency or MHz, shall not exceed the limits in tuh/50 ohms line impedance stabilized Frequency of emission (MHz) 0.15-0.5 0.5-5 5-30 *Decreases with the logarithm of the ANSI C63.10-2020 section 6.2	Quasi-peak 0.15-0.5 66 to 56* 0.5-5 5-30 60 *Decreases with the logarithm of the frequency. ANSI C63.10-2020 section 6.2 Refer to ANSI C63.10-2020 section 6.2, standard test method			

4.1.1 E.U.T. Operation:

Operating Environment:						
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa
Pretest mode:		TM7			V.	
Final test mode:	6	TM7				

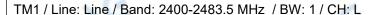
4.1.2 Test Setup Diagram:

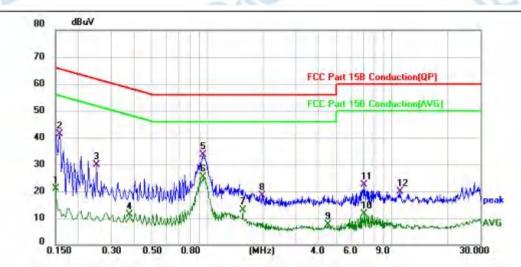


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4.1.3 Test Data:





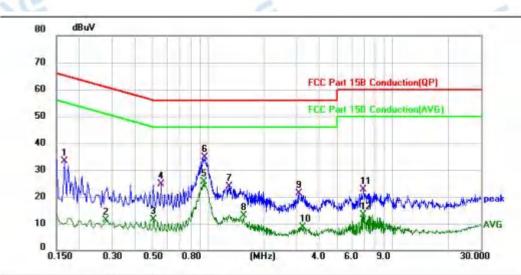
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV.	dB	dBuV	dBuV.	dB	Detector	Comment
1		0.1500	10.78	10.11	20.89	56.00	-35.11	AVG	
2		0.1580	31.25	10.11	41.36	65.57	-24.21	QP	
3		0.2500	19.83	10.09	29.92	61.76	-31.84	QP	
4		0.3780	1.13	10.09	11.22	48.32	-37.10	AVG	
5		0.9500	23.44	10.10	33.54	56.00	-22.46	QP	
6	٠	0.9500	15.21	10.10	25.31	46.00	-20.69	AVG	
7		1.5580	2.94	10.05	12.99	46.00	-33.01	AVG	
8		1.9740	8.42	10.00	18.42	56.00	-37.58	QP	
9		4.4980	-2.74	10.17	7.43	46.00	-38.57	AVG	
10		7.0580	1.24	10.22	11.46	50.00	-38.54	AVG	
11		7.0660	12.32	10.22	22.54	60.00	-37.46	QP	
12		11.0420	9.60	10.35	19.95	60.00	-40.05	QP	
_									

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TM1 / Line: Neutral / Band: 2400-2483.5 MHz / BW: 1 / CH: L

V1.0



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBu∀	dBuV	dB	Detector	Comment
1		0.1660	23.10	10.08	33.18	65.16	-31.98	QP	
2		0.2779	1.16	10.08	11.24	50.88	-39.64	AVG	
3		0.5060	1.44	10.09	11.53	46.00	-34.47	AVG	
4		0.5540	14.57	10.09	24.66	56.00	-31.34	QP	
5		0.9500	15.37	10.08	25.45	46.00	-20.55	AVG	
6		0.9620	24.71	10.08	34.79	56.00	-21.21	QP	
7		1.3020	13.84	10.05	23.89	56.00	-32.11	QP	
8		1.5580	3.01	10.04	13.05	46.00	-32.95	AVG	
9		3.1060	11.30	10.09	21.39	56.00	-34.61	QP	
10		3.2580	-1,44	10.11	8.67	46.00	-37.33	AVG	
11		6.9500	12.56	10.23	22.79	60.00	-37.21	QP	
12		6.9500	3.07	10.23	13.30	50.00	-36.70	AVG	

NOTE:

- 1.An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3.Mesurement Level = Reading level + Correct Factor, Over=Limit- Mesurement
- 4.when charging ,the EUT cannot transmit.

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4.2 20dB Bandwidth

Test Requirement:	47 CFR 15.247(a)(1)	
Test Limit:	Refer to 47 CFR 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 1 and in subpart E of this part, must be designed to ensure that the 20 dB band of the emission, or whatever bandwidth may otherwise be specified in the special rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.	15.257 Iwidth ecific
Test Method:	ANSI C63.10-2020, section 7.8.6, For occupied bandwidth measurements, us procedure in 6.9.3. Frequency hopping shall be disabled for this test. KDB 558074 D01 15.247 Meas Guidance v05r02	se the
Procedure:	The occupied bandwidth is the frequency bandwidth such that, below its lowe above its upper frequency limits, the mean powers are each equal to 0.5% of total mean power of the given emission. The following procedure shall be use measuring 99% power bandwidth: a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1. times and 5.0 times the OBW.	the ed for
DAG	b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to the OBW, and VBW shall be at least three times the RBW, unless otherwise specified by the applicable requirement. c) Set the reference level of the instrument as required, keeping the signal froexceeding the maximum input mixer level for linear operation. In general, the of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.6.2. d) Step a) through step c) might require iteration to adjust within the specified range.	om peak
DAG	e) Video averaging is not permitted. Where practical, a sample detection and sweep mode shall be used. Otherwise, peak detection and max-hold mode (use the trace stabilizes) shall be used. f) Use the 99% power bandwidth function of the instrument (if available) and rethe measured bandwidth. g) If the instrument does not have a 99% power bandwidth function, then the data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are place running sum until 0.5% of the total is reached; that frequency is recorded as to lower frequency. The process is repeated until 99.5% of the total is reached; the frequency is recorded as the upper frequency. The 99% power bandwidth is to difference between these two frequencies. h) The occupied bandwidth shall be reported by providing spectral plot(s) of the	until report trace ed in a the that he
	measuring instrument display; the plot axes and the scale units per division sinclearly labeled. Tabular data may be reported in addition to the plot(s).	

4.2.1 E.U.T. Operation:

Operating Environment	onment:	V)			
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa
Pretest mode:		TM1,	TM2, TM3			
Final test mode:		TM1,	TM2, TM3	Co		

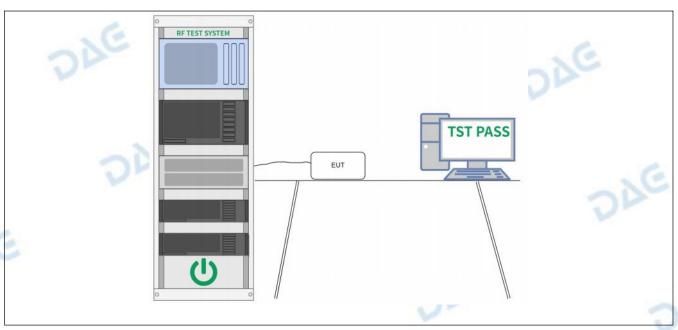
4.2.2 Test Setup Diagram:

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4.2.3 Test Data:

DAG

Please Refer to Appendix for Details.

DAG



4.3 Maximum Conducted Output Power

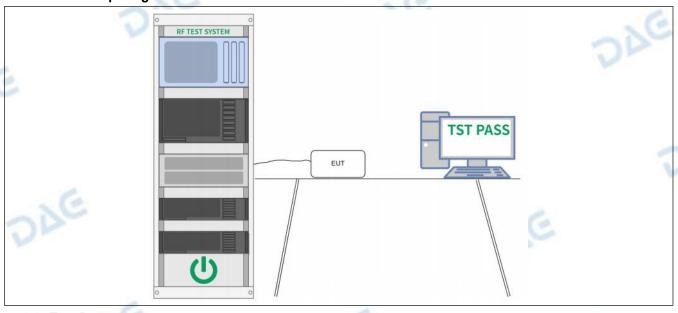
V1.0

Test Requirement:	47 CFR 15.247(b)(1)
Test Limit:	Refer to 47 CFR 15.247(b)(1), For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.
Test Method:	ANSI C63.10-2020, section 7.8.5 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	This is an RF-conducted test to evaluate maximum peak output power. Use a direct connection between the antenna port of the unlicensed wireless device and the spectrum analyzer, through suitable attenuation. Frequency hopping shall be disabled for this test. Use the following spectrum analyzer settings: a) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel. b) RBW > 20 dB bandwidth of the emission being measured. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow trace to stabilize.
DAG	h) Use the marker-to-peak function to set the marker to the peak of the emission. i) The indicated level is the peak output power, after any corrections for external attenuators and cables. j) A spectral plot of the test results and setup description shall be included in the test report.NOTE—A peak responding power meter may be used, where the power meter and sensor system video bandwidth is greater than the occupied bandwidth of the unlicensed wireless device, rather than a spectrum analyzer.

4.3.1 E.U.T. Operation:

Operating Environment:							
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Pretest mode: TN		TM1,	TM2, TM3			0	
Final test mode:		TM1,	TM2, TM3				

4.3.2 Test Setup Diagram:



4.3.3 Test Data:

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4.4 Channel Separation

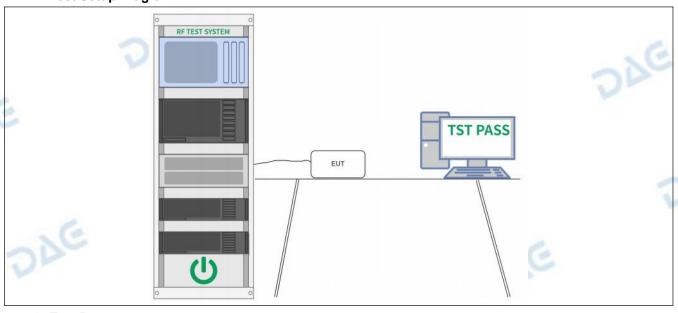
V1.0

Test Requirement:	47 CFR 15.247(a)(1)
Test Limit:	Refer to 47 CFR 15.247(a)(1), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.
Test Method:	ANSI C63.10-2020, section 7.8.2 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: Wide enough to capture the peaks of two adjacent channels. b) RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel. c) Video (or average) bandwidth (VBW) ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize.
	Use the marker-delta function to determine the separation between the peaks of the adjacent channels. Compliance of an EUT with the appropriate regulatory limit shall be determined. A spectral plot of the data shall be included in the test report.

4.4.1 E.U.T. Operation:

Operating Environment:							
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Pretest mode: TM4,		TM5, TM6	OP		a Ne		
Final test mode: T		TM4,	TM5, TM6	1		DE	

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

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4.5 Number of Hopping Frequencies

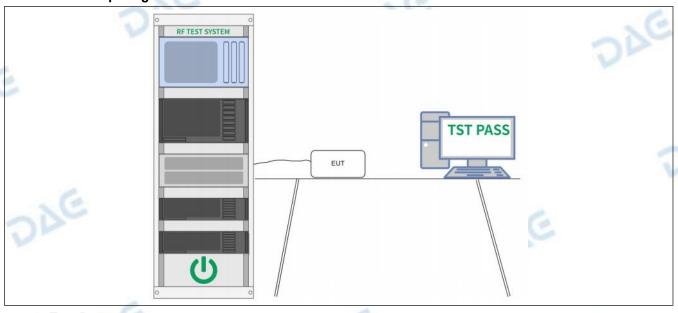
V1.0

Test Requirement:	47 CFR 15.247(a)(1)(iii)
Test Limit:	Refer to 47 CFR 15.247(a)(1)(iii), Fequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 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.
Test Method:	ANSI C63.10-2020, section 7.8.3 KDB 558074 D01 15.247 Meas Guidance v05r02
Procedure:	The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings: a) Span: The frequency band of operation. Depending on the number of channels the device supports, it could be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen. b) 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. c) VBW ≥ RBW. d) Sweep: No faster than coupled (auto) time. e) Detector function: Peak. f) Trace: Max-hold. g) Allow the trace to stabilize.
6	It might prove necessary to break the span up into subranges to show clearly all of the hopping frequencies. Compliance of an EUT with the appropriate regulatory limit shall be determined for the number of hopping channels. A spectral plot of the data shall be included in the test report.

4.5.1 E.U.T. Operation:

Operating Environment:							
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Pretest mode:	TM4,	TM5, TM6			0		
Final test mode:		TM4,	TM5, TM6				

4.5.2 Test Setup Diagram:



4.5.3 Test Data:

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4.6 Dwell Time

4.6 Dwell Time		
Test Requirement:	47 CFR 15.247(a)(1)(iii)	
Test Limit:	Refer to 47 CFR 15.247(a)(1)(iii), Frequency hopping systems in the 2 MHz band shall use at least 15 channels. The average time of occupar channel shall not be greater than 0.4 seconds within a period of 0.4 se multiplied by the number of hopping channels employed. Frequency hopping systems may avoid or suppress transmissions on a particular hopping provided that a minimum of 15 channels are used.	ncy on any conds opping
Test Method:	ANSI C63.10-2020, section 7.8.4 KDB 558074 D01 15.247 Meas Guidance v05r02	1E
Procedure:	The dwell time per hop on a channel is the time from the start of the fir transmission to the end of the last transmission for that hop. If the devi single transmission per hop then the dwell time is the duration of that t If the device has a multiple transmissions per hop then the dwell time i from the start of the first transmission to the end of the last transmission	ce has a ransmission. s measured
NE	The time of occupancy is the total time that the device dwells on a cha observation period specified in the regulatory requirement. To determin occupancy the spectrum analyzer will be configured to measure both the per hop and the number of times the device transmits on a specific chargiven period.	ne the time of he dwell time
DAG	The EUT shall have its hopping function enabled. Compliance with the requirements shall be made with the minimum and with the maximum channels enabled. If the dwell time per channel does not vary with the channels than compliance with the requirements may be based on the number of channels. If the device supports different dwell times per ch (example Bluetooth devices can dwell on a channel for 1, 3 or 5 times measurements can be limited to the longest dwell time with the minimuchannels.	number of number of minimum annel lots) then
	Use the following spectrum analyzer settings to determine the dwell tin	ne per hop:
Pi	 a) Span: Zero span, centered on a hopping channel. b) RBW shall be ≤ channel spacing and where possible RBW should be T, where T is the expected transmission time per hop. c) Sweep time: Set so that the start of the first transmission and end of transmission for the hop are clearly captured. Setting the sweep time to longer than the hopping period per channel (hopping period = 1/hopping should achieve this. d) Use a video trigger, where possible with a trigger delay, so that the stransmission is clearly observed. The trigger level might need adjustment the chance of triggering when the system hops on an adjacent channel e) Detector function: Peak. f) Trace: Clear-write, single sweep. g) Place markers at the start of the first transmission on the channel are of the last transmission. The dwell time per hop is the time between the markers. 	f the last o be slightly ng rate) start of the ent to reduce
DAG	To determine the number of hops on a channel in the regulatory observe repeat the measurement using a longer sweep time. When the device hopping sequence the period of measurement should be sufficient to cleast 2 hops. When the device uses a dynamic hopping sequence, or tvaries, the period of measurement may need to capture multiple hops determine the average time of occupancy. Count the number of hops channel across the sweep time.	uses a single capture at the sequence to better on the
	The average number of hops on the same channel within the regulator	y observation

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period is calculated from the number of hops on the channel divided by the spectrum analyzer sweep time multiplied by the regulatory observation period. For example, if three hops are counted with an analyzer sweep time of 500 ms and the regulatory observation period is 10 s, then the number of hops in that ten seconds is $3 / 0.5 \times 10$, or 60 hops.

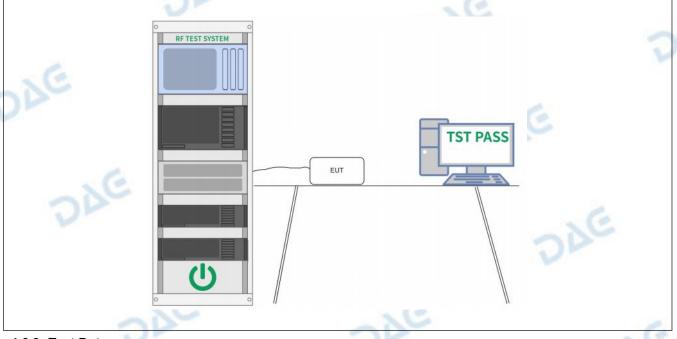
The average time of occupancy is calculated by multiplying the dwell time per hop by the number of hops in the observation period.

4.6.1 E.U.T. Operation:

V1.0

Operating Environment:								
Temperature:	23.9 °C		Humidity:	52 %	1	Atmospheric Pressure:	101 kPa	200
Pretest mode: TM		TM4,	TM5, TM6					V
Final test mode:		TM4,	TM5, TM6					

4.6.2 Test Setup Diagram:



4.6.3 Test Data:

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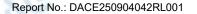
4.7 Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d)	
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency in which the spread spectrum or digitally modulated intentional radiator is open the radio frequency power that is produced by the intentional radiator shall be least 20 dB below that in the 100 kHz bandwidth within the band that contains highest level of the desired power, based on either an RF conducted or a rad measurement, provided the transmitter demonstrates compliance with the perconducted power limits. If the transmitter complies with the conducted power based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.	erating, e at s the iated eak limits
Test Method:	ANSI C63.10-2020 section 7.8.7 KDB 558074 D01 15.247 Meas Guidance v05r02	
Procedure:	7.8.7.1 General considerations To demonstrate compliance with the relative out-of-band emissions requirement conducted spurious emissions shall be measured for the transmit frequencies 5.5 and 5.6, and at the maximum transmit powers. Frequency hopping shall light disabled for this test with the exception of measurements at the allocated bare edges which shall be repeated with hopping enabled.	s, per be
DAG	Connect the primary antenna port through an attenuator to the spectrum anal input; in the results, account for all losses between the unlicensed wireless doutput and the spectrum analyzer. The frequency range of testing shall span MHz to 10 times the operating frequency and this may be done in a single swor, to aid resolution, across a number of sweeps. The resolution bandwidth sl 100 kHz, video bandwidth 300 kHz, and a coupled sweep time with a peak double the same instrument settings (resolution bandwidth of 100 kHz, video bandw 300 kHz, and a coupled sweep time with a peak detector). To help clearly	evice 30 veep hall be etector. using idth of
	demonstrate compliance a display line may be set at the required offset (typic 20 dB) below the highest in-band level. Where the highest in-band level is no clearly identified in the out-of-band measurements a separate spectral plot shall be provided.	ot
	When conducted measurements cannot be made (for example a device with integrated, non-removable antenna) radiated measurements shall be used. T reference level for determining the limit shall be established by maximizing the strength from the highest power channel and measuring using the resolution video bandwidth settings and peak detector as described above. The field str limit for spurious emissions outside of restricted-bands shall then be set at the required offset (typically 20 dB) below the highest in-band level. Radiated measurements will follow the standards measurement procedures described	The ne field and rength e
	Clause 6 with the exception that the resolution bandwidth shall be 100 kHz, we bandwidth 300 kHz, and a coupled sweep time with a peak detector. Note that of wider measurement bandwidths are acceptable for measuring the spurious emissions provided that the peak detector is used and that the measured val spurious emissions are compared to the highest in-band level measured with 100 kHz / 300 kHz bandwidth settings to determine compliance.	at use s ue of
SILE	7.8.7.2 Band-edges Compliance with a relative limit at the band-edges (e.g., −20 dBc) shall be menthe lowest and on the highest channels with frequency hopping disabled and repeated with frequency hopping enabled. For the latter test the hopping seq shall include the lowest and highest channels.	

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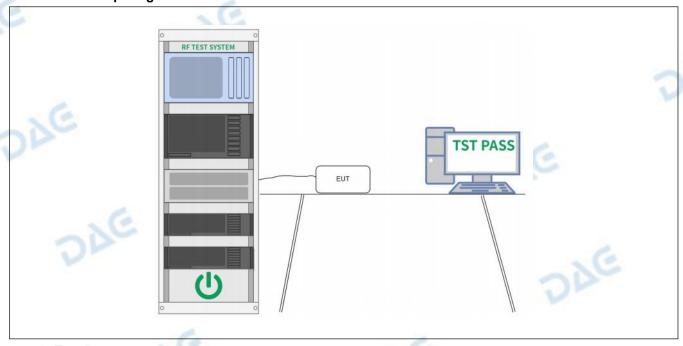
For measurements with the hopping disabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of the allocated band-edge.

For measurements with the hopping enabled the analyzer screen shall clearly show compliance with the requirement within 10 MHz of both of the allocated bandedges. This could require separate spectral plots for each band-edge.

4.7.1 E.U.T. Operation:

Operating Environment:							
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Pretest mode:	1	TM1,	TM2, TM3,	ΓM4, TM5, TM6	January 1		-110
Final test mode	•	TM1,	TM2, TM3,	ΓM4, TM5, TM6		- 7	

4.7.2 Test Setup Diagram:



4.7.3 Test Data:

Please Refer to Appendix for Details.

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4.8 Band edge emissions (Radiated)

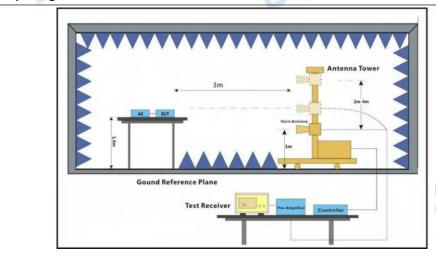
V1.0

Test Requirement:	Refer to 47 CFR 15.247(d), 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)(see § 15.205(c)).						
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)				
	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				
DIE	** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.						
Test Method:	ANSI C63.10-2020 section 6.10 KDB 558074 D01 15.247 Meas Guidance v05r02						
Procedure:	ANSI C63.10-2020 secti	on 6.10.5.2	2				

4.8.1 E.U.T. Operation:

Operating Environment:							
Temperature:	rature: 23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa	
Pretest mode: TM1			TM2, TM3				
Final test mode:	\sim i	TM3			10		

4.8.2 Test Setup Diagram:

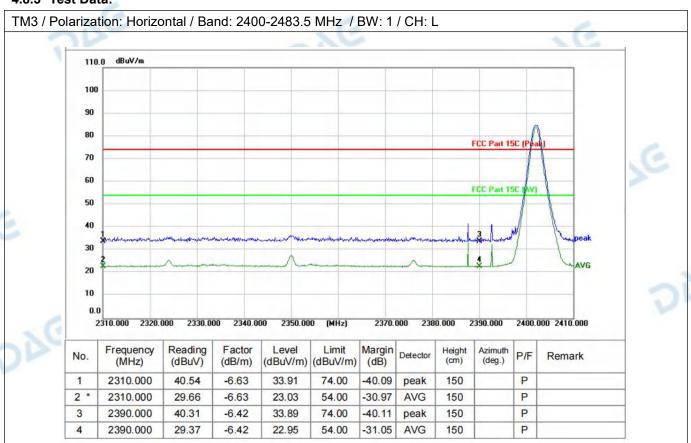


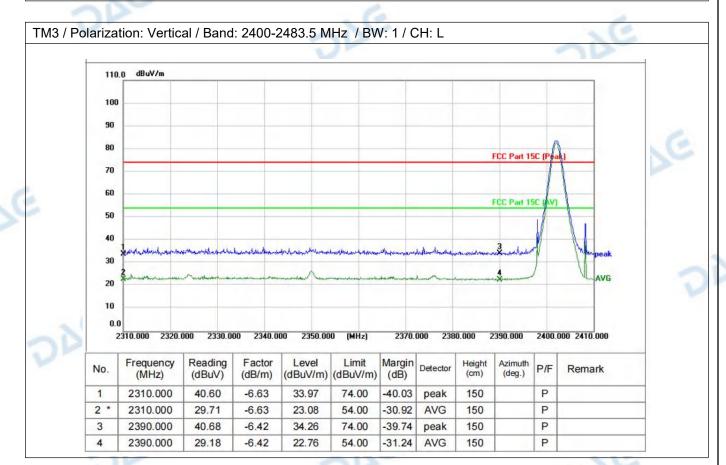
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4.8.3 Test Data:

V1.0

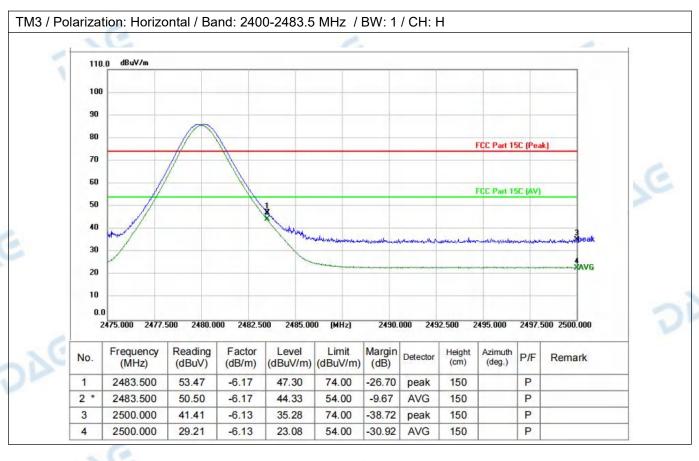


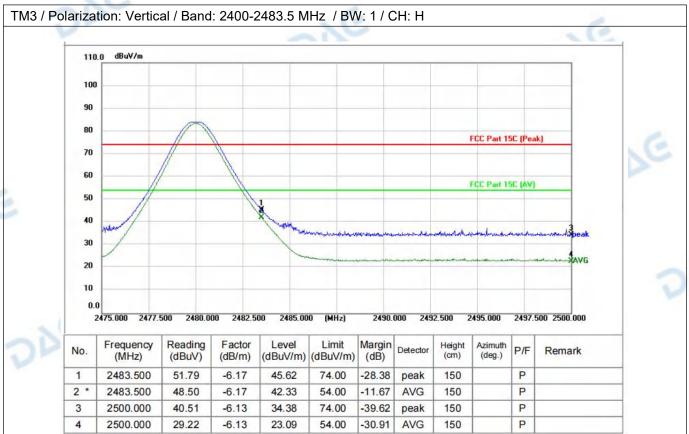


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4.9 Emissions in frequency bands (below 1GHz)

Test Requirement:	restricted bands, as defir	Refer to 47 CFR 15.247(d), 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)(see § 15.205(c)).						
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
	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 paragraph (g), fundamental	3					
	and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.							
Test Method:	ANSI C63.10-2020 section	ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02						
Procedure:	above the ground at a 3 a 360 degrees to determine b. For above 1GHz, the E above the ground at a 3 degrees to determine the c. The EUT was set 3 or which was mounted on the d. The antenna height is determine the maximum polarizations of the anternal	 a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 						
	e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.							
	g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be retested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.							
	h. Test the EUT in the lowest channel, the middle channel, the Highest channel. i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. j. Repeat above procedures until all frequencies measured was complete. Remark: 1) For emission below 1GHz, through pre-scan found the worst case is the lowest							
-16		3Hz, through pre-scan found case is recorded in the repor						

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2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading + Antenna Factor + Cable Factor "C Preamplifier Factor

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3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

4.9.1 E.U.T. Operation:

Operating Environment:								
Temperature:	23.9 °C		Humidity:	52 %	Atmospheric Pressure:	101 kPa		
Pretest mode: TN		TM1	(0)					
Final test mode: TM3		7		6				

4.9.2 Test Data:

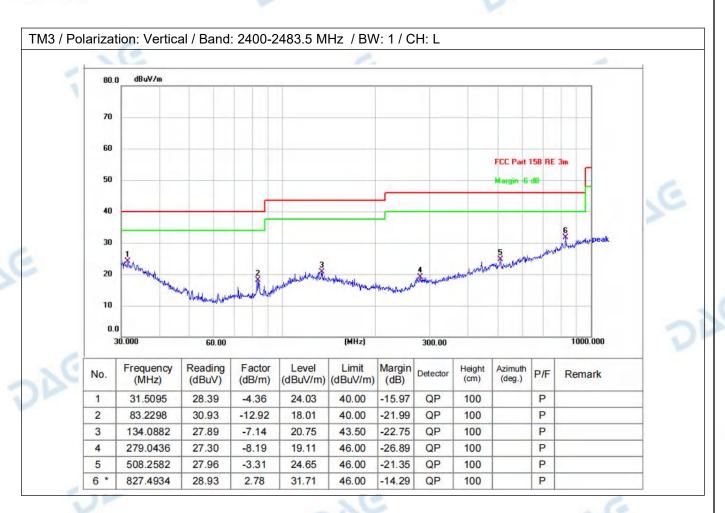
TM3 / Polarization: Horizontal / Band: 2400-2483.5 MHz / BW: 1 / CH: L



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4.10 Emissions in frequency bands (above 1GHz)

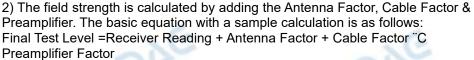
Test Requirement:	Refer to 47 CFR 15.247(d), in addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).							
Test Limit:	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)					
	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					
		paragraph (g), fundamental						
	and 15.241. In the emission table above, the tighter limit applies at the band edges. The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.							
Test Method:	ANSI C63.10-2020 section 6.6.4 KDB 558074 D01 15.247 Meas Guidance v05r02							
Procedure:	a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of							
	below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. If the emission level of the EUT in peak mode was 10dB lower than the limit							
	specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be retested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. h. Test the EUT in the lowest channel, the middle channel, the Highest channel. i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. j. Repeat above procedures until all frequencies measured was complete. Remark: 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.							

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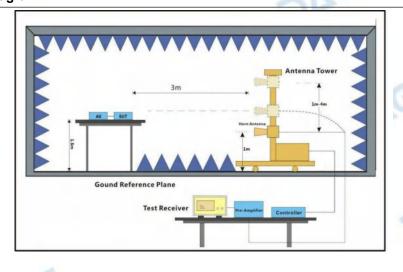


3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

4.10.1 E.U.T. Operation:

Operating Environment:								
Temperature:	23.9 °C		Humidity:	52 %	Atm	ospheric Pressure:	101 kPa	
Pretest mode:		TM1,	TM2, TM3					
Final test mode:		TM3				C		

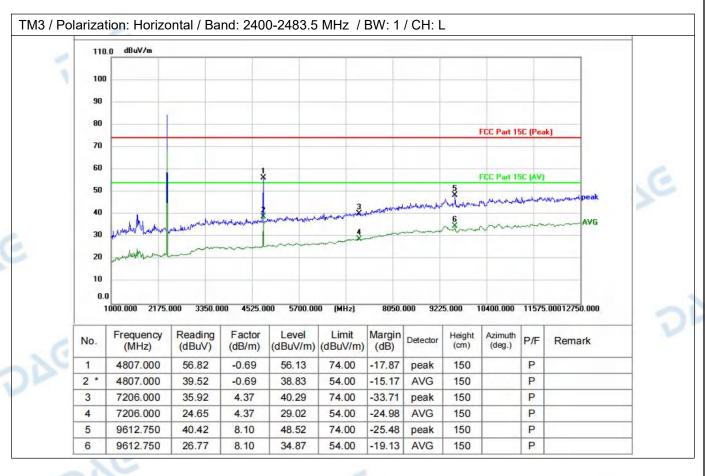
4.10.2Test Setup Diagram:

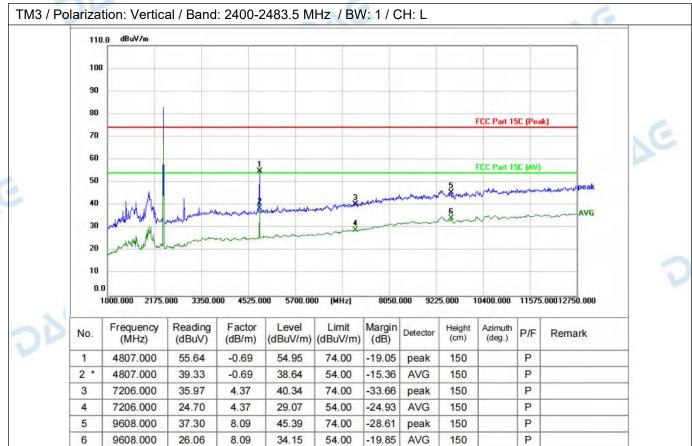


4.10.3 Test Data:

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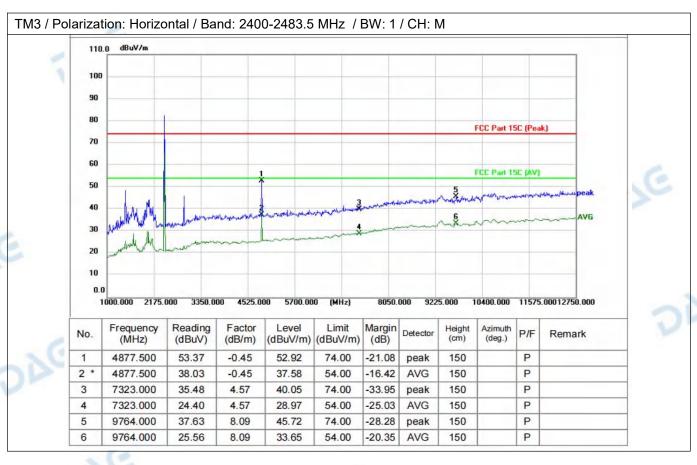


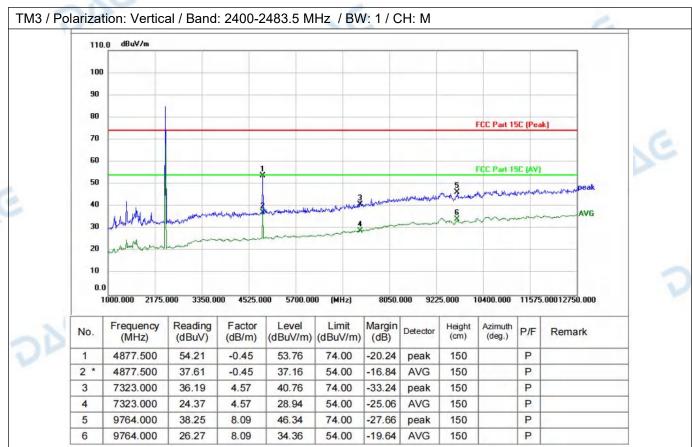


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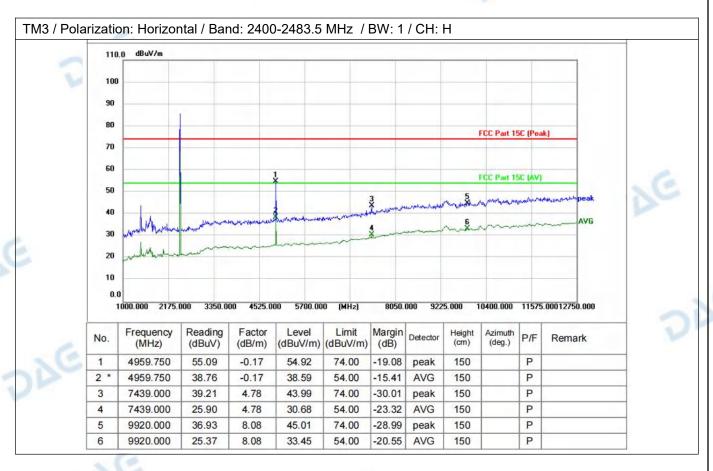


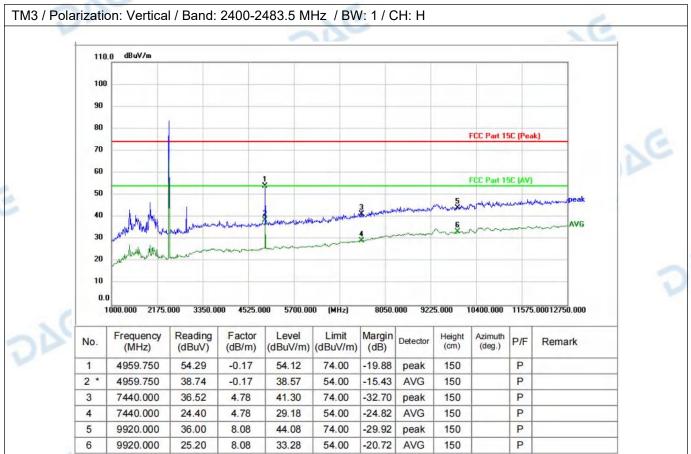




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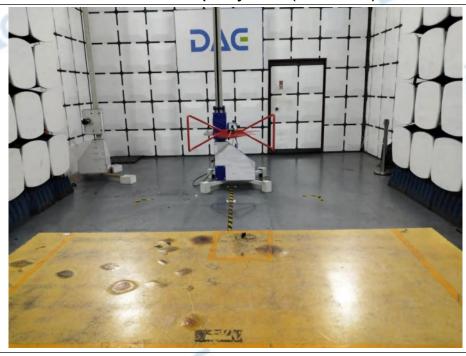
5 TEST SETUP PHOTOS

V1.0

Conducted Emission at AC power line



Emissions in frequency bands (below 1GHz)



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6 PHOTOS OF THE EUT

V1.0





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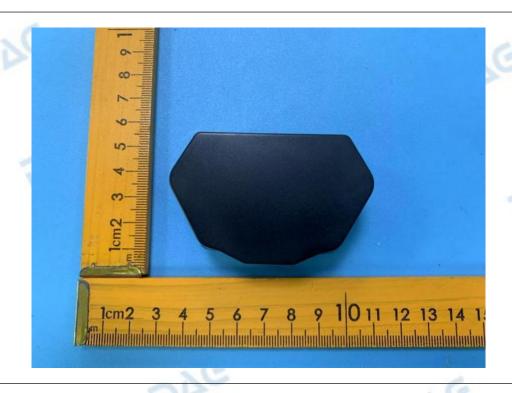
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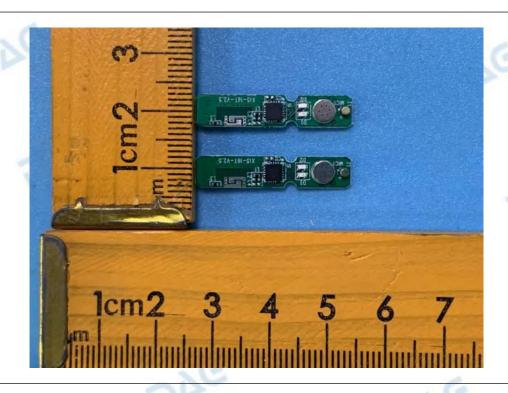


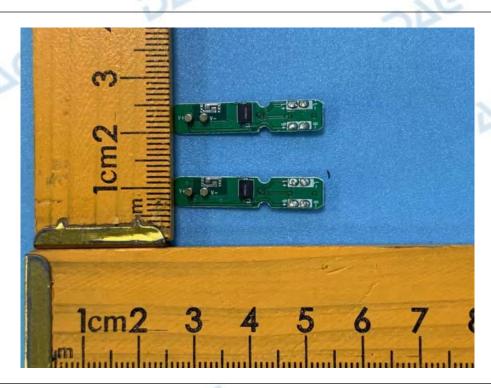
Internal



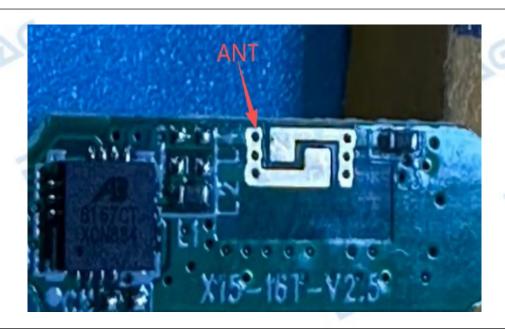


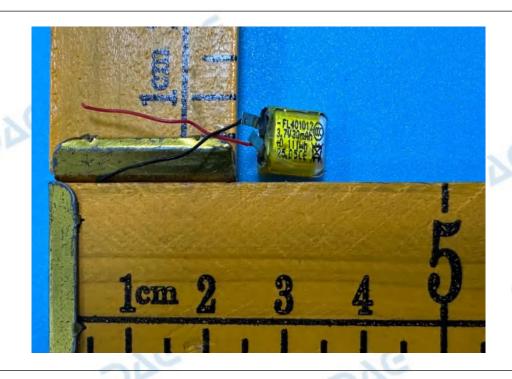












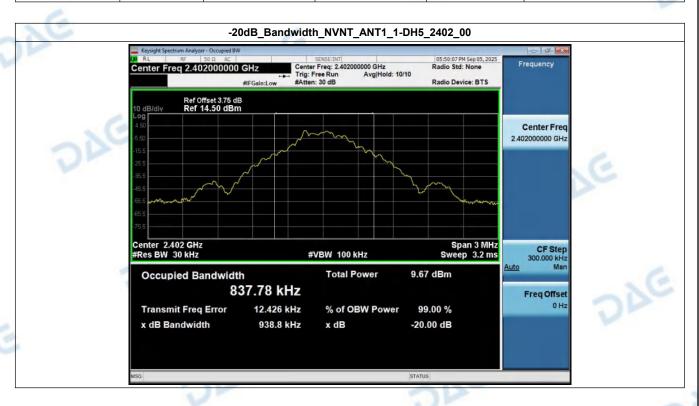


Appendix

2. -20dB Bandwidth

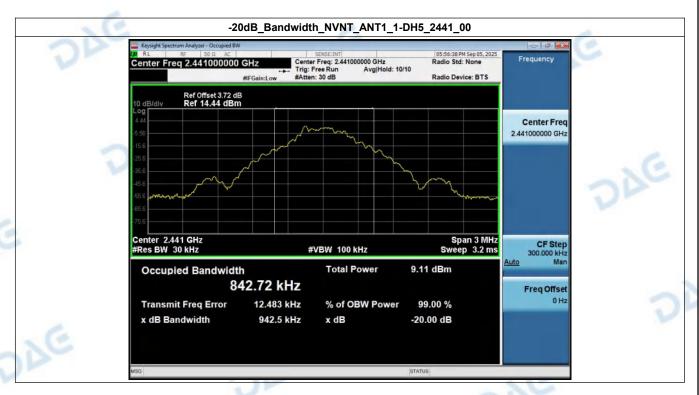
V1.0

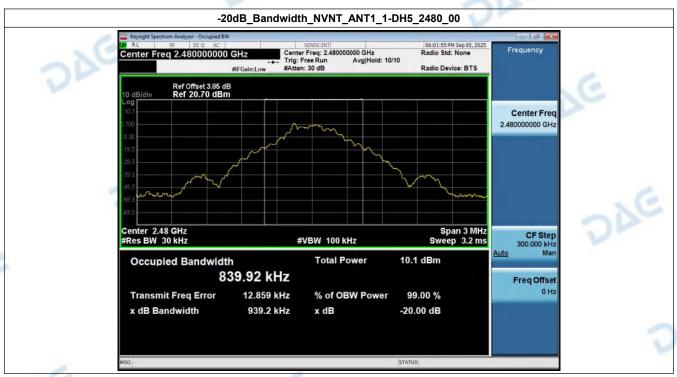
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402.00	0.838	No
NVNT	ANT1	1-DH5	2441.00	0.843	No
NVNT	ANT1	1-DH5	2480.00	0.840	No
NVNT	ANT1	2-DH5	2402.00	1.151	Yes
NVNT	ANT1	2-DH5	2441.00	1.151	Yes
NVNT	ANT1	2-DH5	2480.00	1.151	Yes
NVNT	ANT1	3-DH5	2402.00	1.159	Yes
NVNT	ANT1	3-DH5	2441.00	1.155	Yes
NVNT	ANT1	3-DH5	2480.00	1.156	Yes



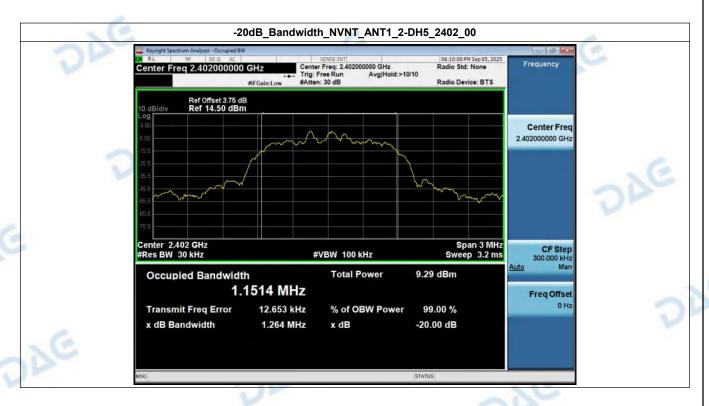
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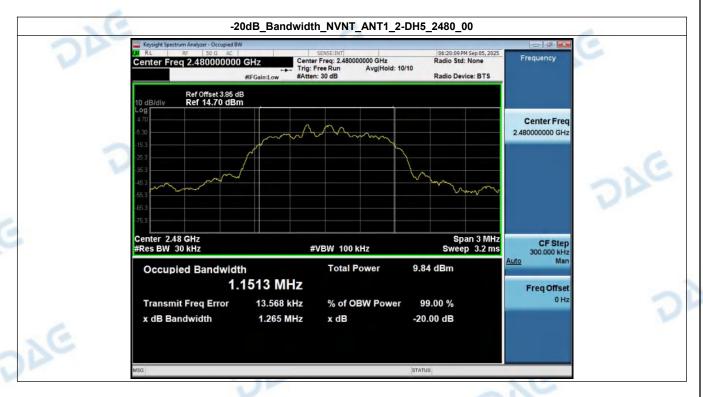


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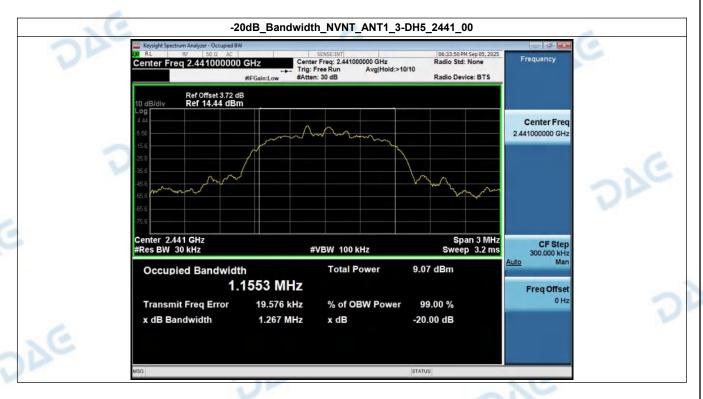


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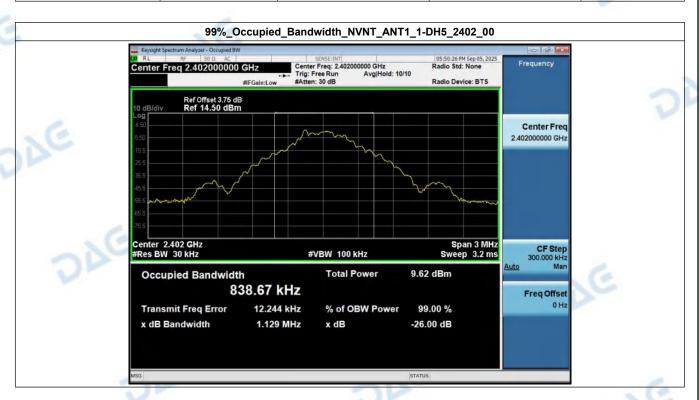
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3. 99% Occupied Bandwidth

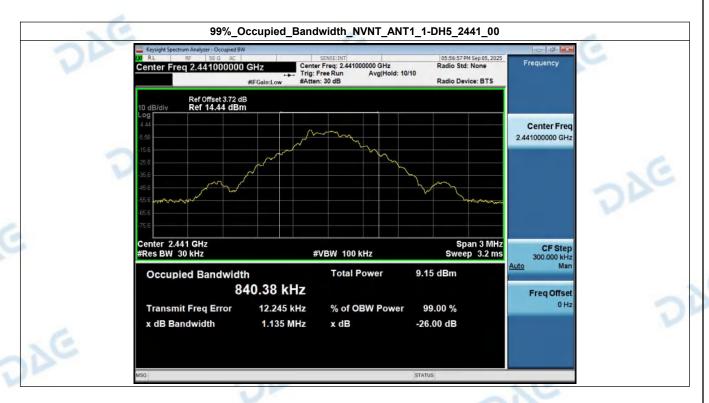
DAG

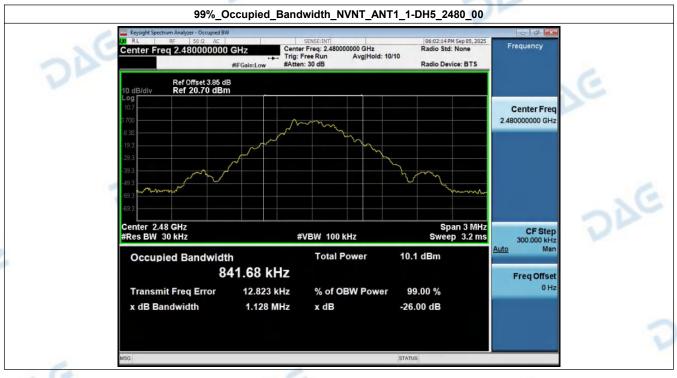
Condition	Antenna	Modulation	Modulation Frequency (MHz)	
NVNT	ANT1	1-DH5	2402.00	0.839
NVNT	ANT1	1-DH5	2441.00	0.840
NVNT	ANT1	1-DH5	2480.00	0.842
NVNT	ANT1	2-DH5	2402.00	1.150
NVNT	ANT1	2-DH5	2441.00	1.151
NVNT	ANT1	2-DH5	2480.00	1.152
NVNT	ANT1	3-DH5	2402.00	1.155
NVNT	ANT1	3-DH5	2441.00	1.156
NVNT	ANT1	3-DH5	2480.00	1.155



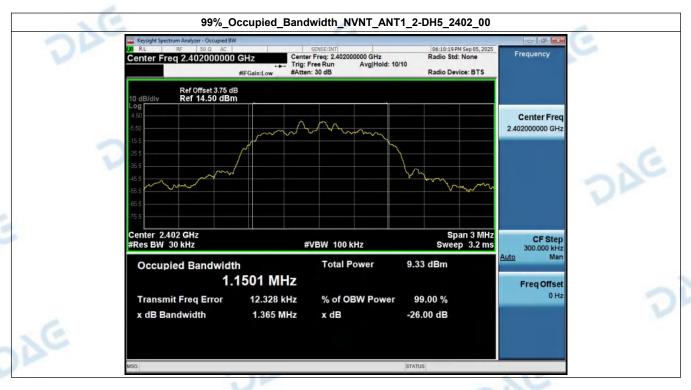
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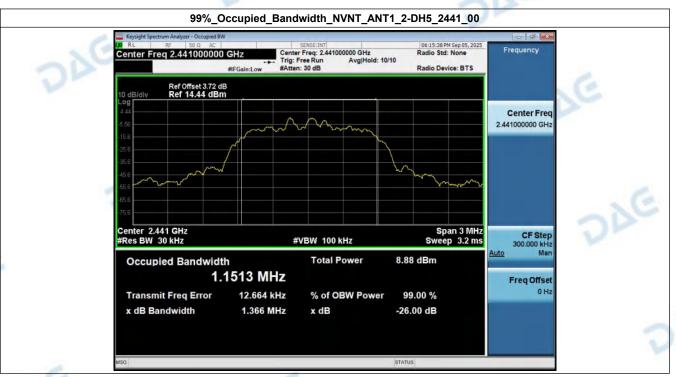
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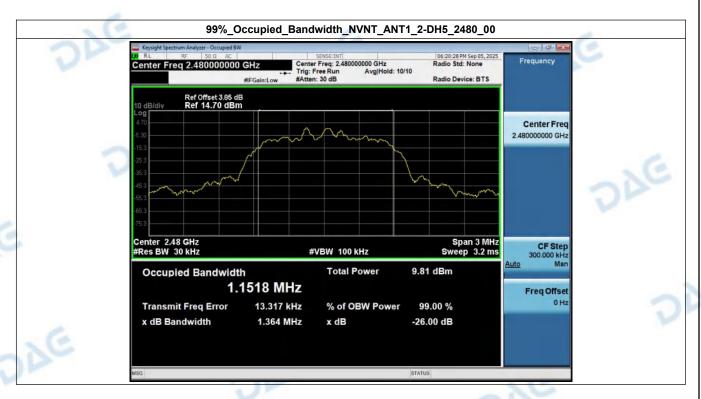


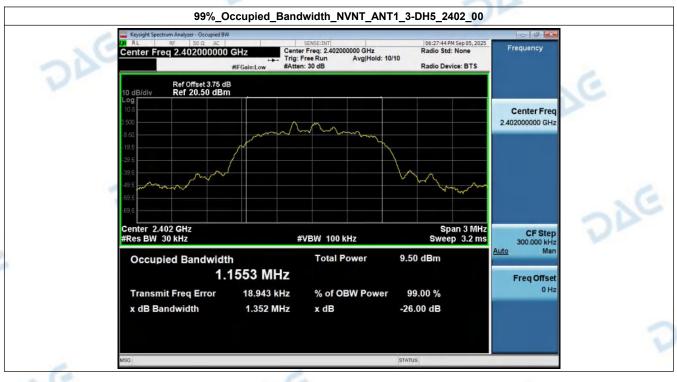


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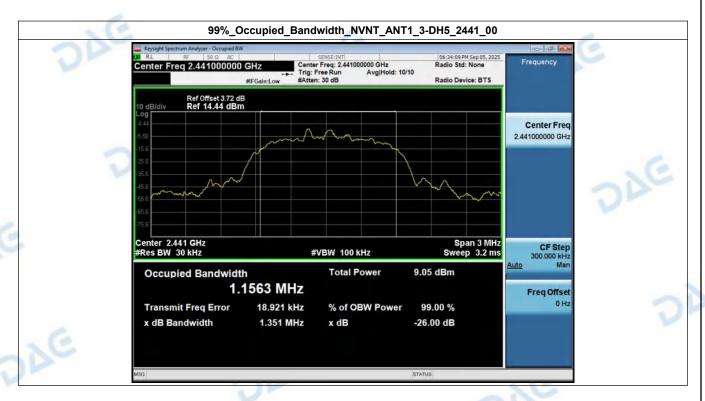






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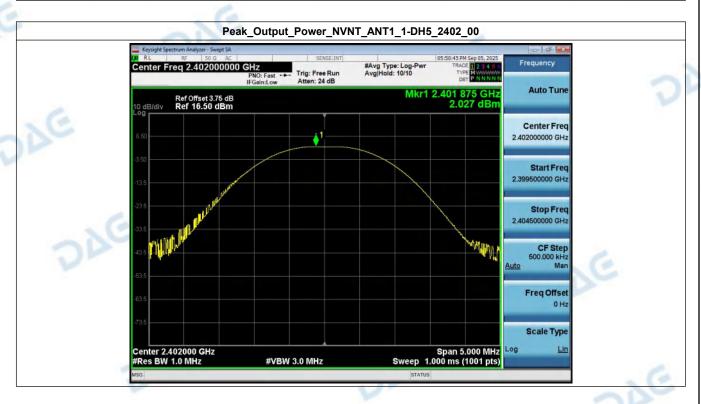
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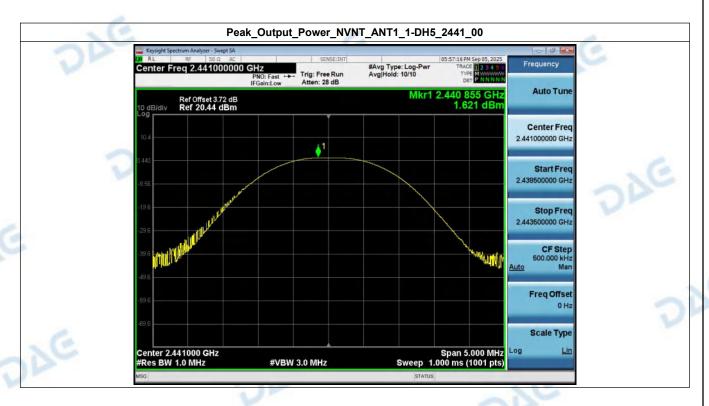
4. Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402.00	2.03	1.59	1000	Pass
NVNT	ANT1	1-DH5	2441.00	1.62	1.45	1000	Pass
NVNT	ANT1	1-DH5	2480.00	2.49	1.78	1000	Pass
NVNT	ANT1	2-DH5	2402.00	2.93	1.96	125	Pass
NVNT	ANT1	2-DH5	2441.00	2.53	1.79	125	Pass
NVNT	ANT1	2-DH5	2480.00	3.43	2.20	125	Pass
NVNT	ANT1	3-DH5	2402.00	3.40	2.19	125	Pass
NVNT	ANT1	3-DH5	2441.00	2.99	1.99	125	Pass
NVNT	ANT1	3-DH5	2480.00	3.94	2.48	125	Pass

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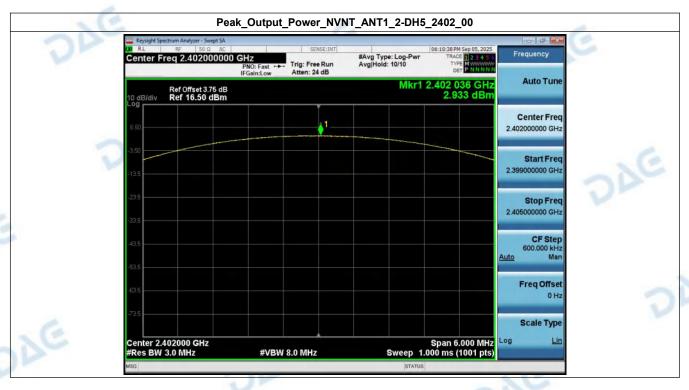
102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

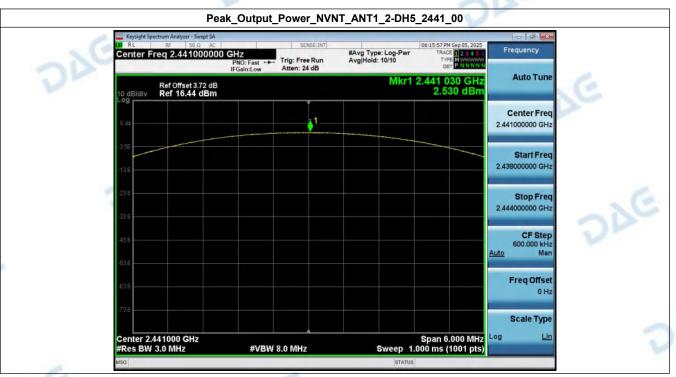
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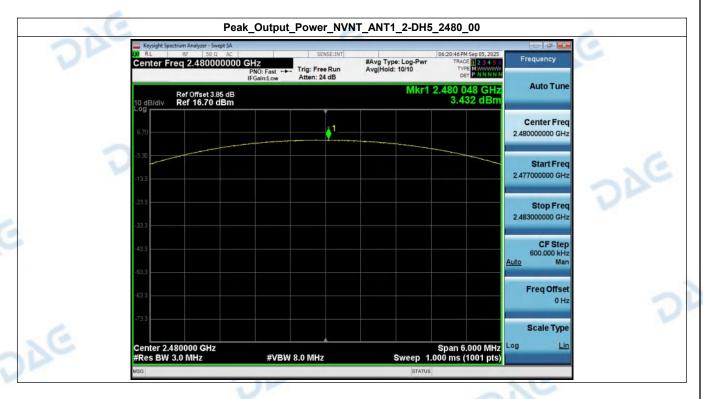
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E-mail: service@dace-lab.com

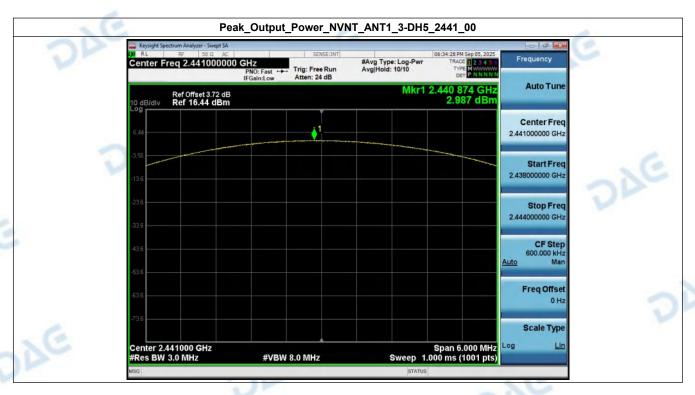
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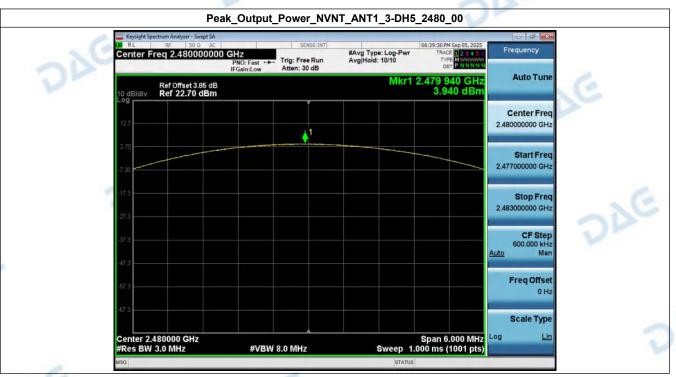










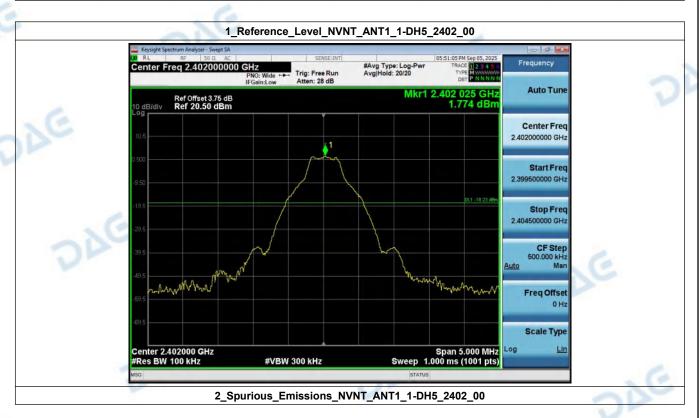




Report No.: DACE250904042RL001

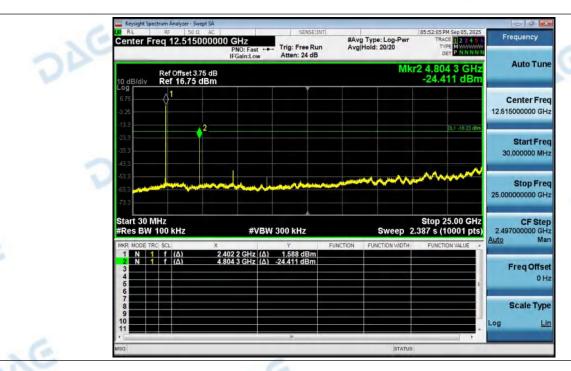
5. Spurious Emissions

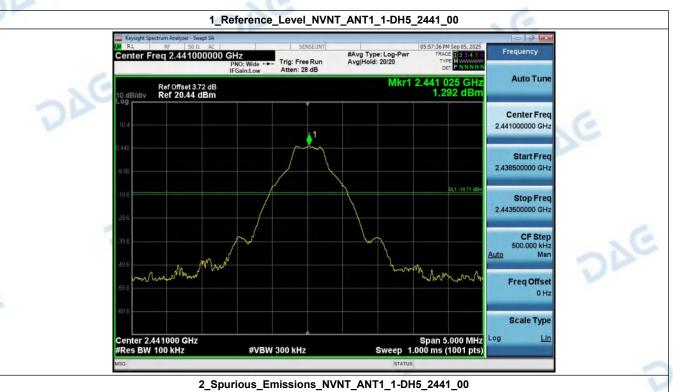
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402.00	1.774	-24.411	-18.226	Pass
NVNT	ANT1	1-DH5	2441.00	1.292	-27.549	-18.708	Pass
NVNT	ANT1	1-DH5	2480.00	2.185	-26.829	-17.815	Pass
NVNT	ANT1	2-DH5	2402.00	1.670	-31.143	-18.330	Pass
NVNT	ANT1	2-DH5	2441.00	1.319	-30.926	-18.681	Pass
NVNT	ANT1	2-DH5	2480.00	2.226	-30.059	-17.774	Pass
NVNT	ANT1	3-DH5	2402.00	1.690	-26.430	-18.310	Pass
NVNT	ANT1	3-DH5	2441.00	1.285	-30.135	-18.715	Pass
NVNT	ANT1	3-DH5	2480.00	2.252	-27.910	-17.748	Pass



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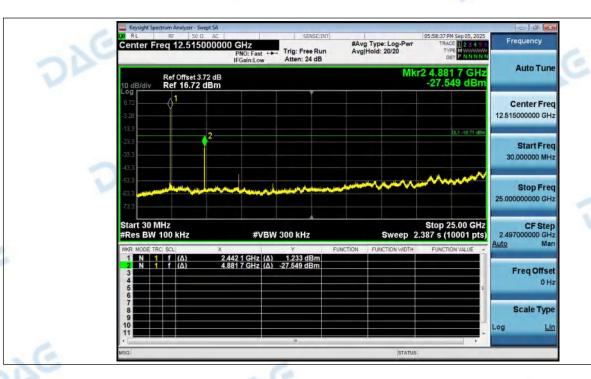
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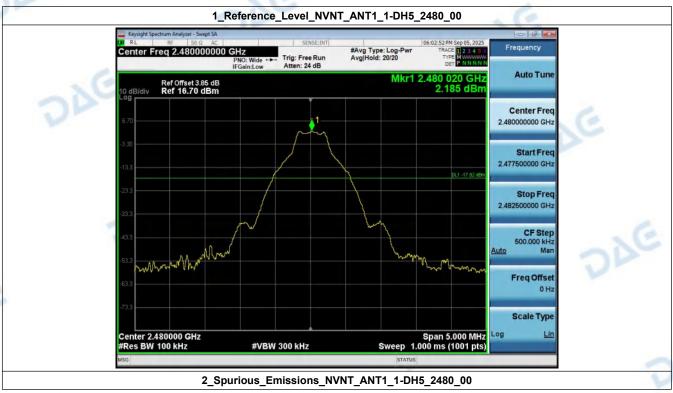


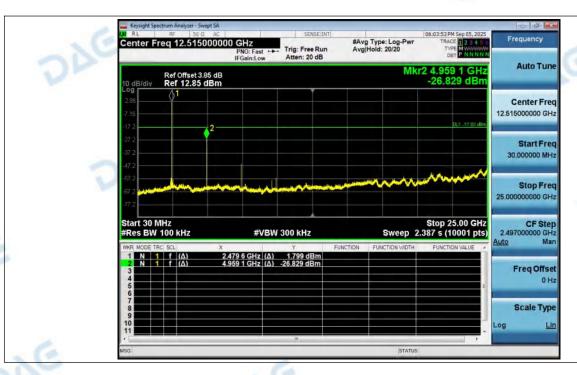


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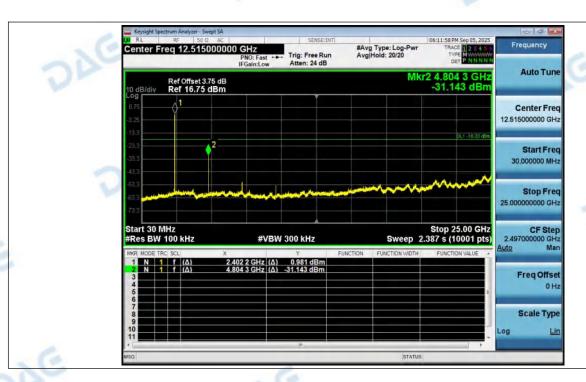


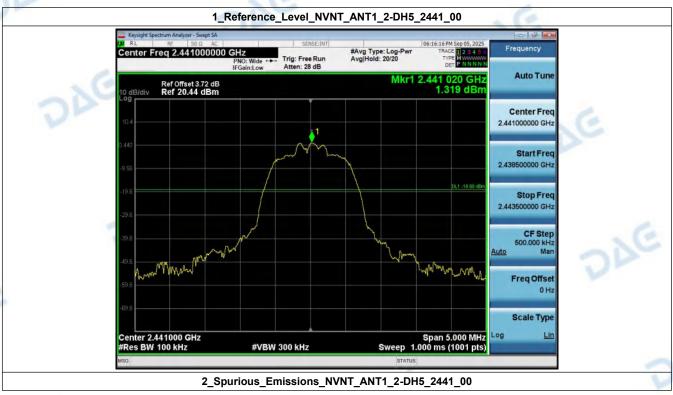


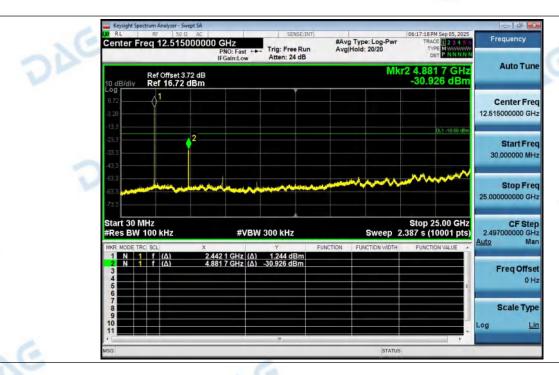


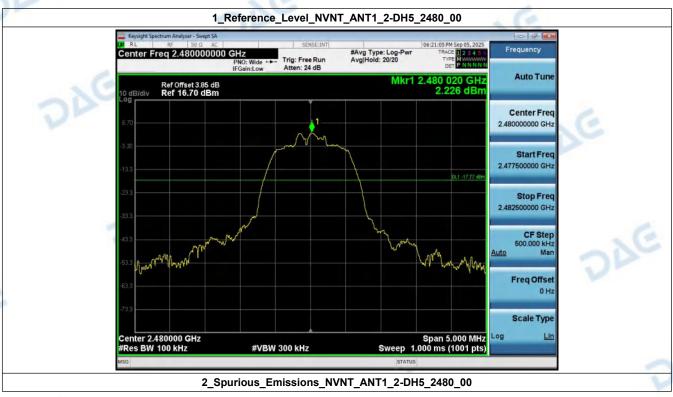


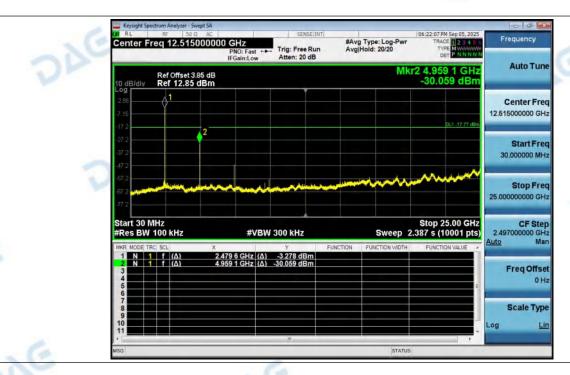
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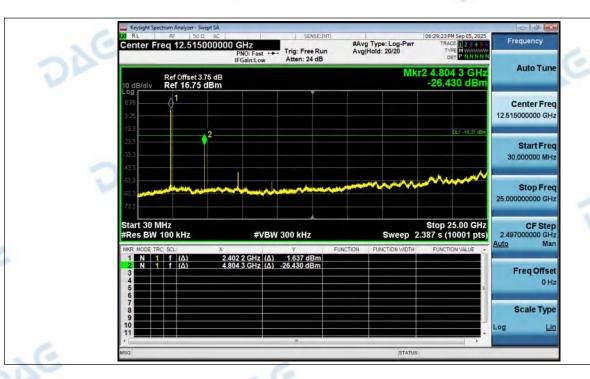








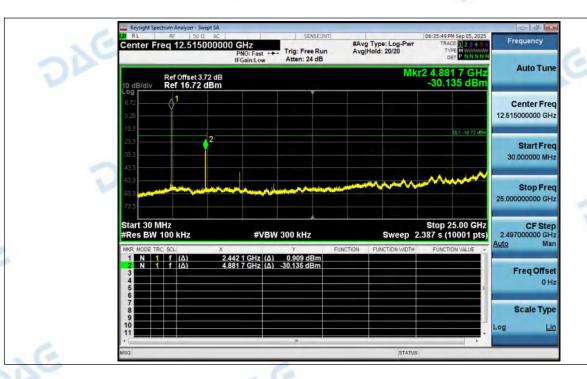






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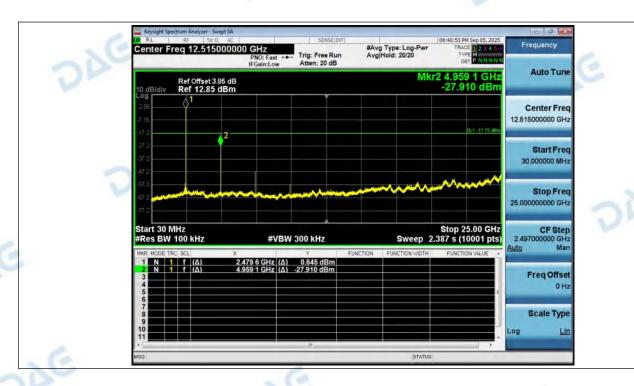
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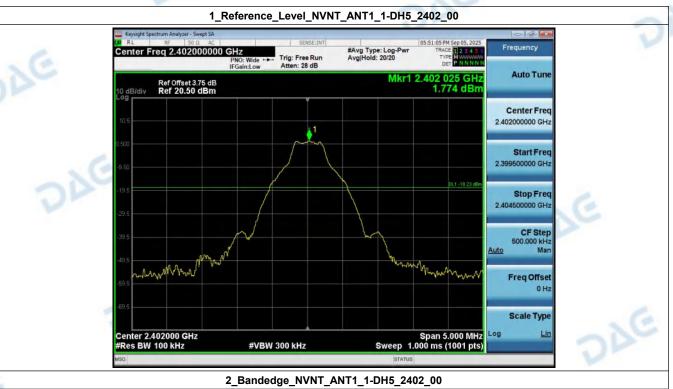
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6. Bandedge

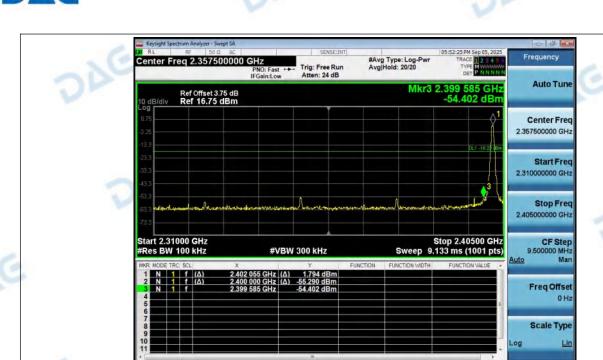
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402.00	1.774	-54.402	-18.226	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	1.960	-55.334	-18.040	Pass
NVNT	ANT1	1-DH5	2480.00	2.185	-53.617	-17.815	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	1.786	-55.782	-18.214	Pass
NVNT	ANT1	2-DH5	2402.00	1.670	-48.935	-18.330	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	1.919	-56.625	-18.081	Pass
NVNT	ANT1	2-DH5	2480.00	2.226	-52.594	-17.774	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	1.905	-59.351	-18.095	Pass
NVNT	ANT1	3-DH5	2402.00	1.690	-49.013	-18.310	Pass
NVNT	ANT1	3-DH5	Hopping_LCH	2.075	-54.127	-17.925	Pass
NVNT	ANT1	3-DH5	2480.00	2.252	-54.178	-17.748	Pass
NVNT	ANT1	3-DH5	Hopping_HCH	2.367	-53.159	-17.633	Pass

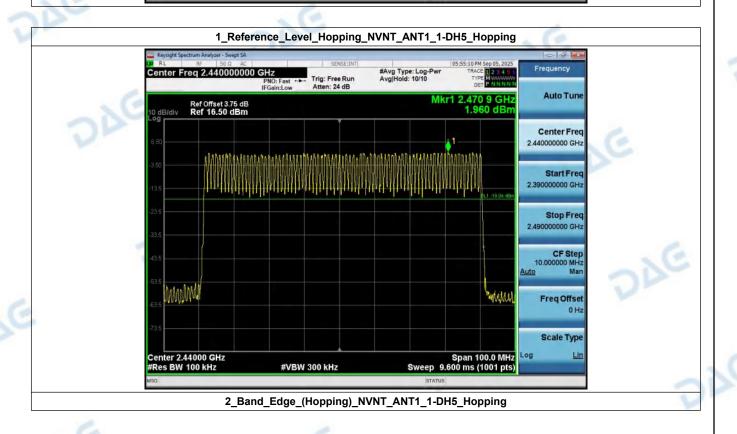
Report No.: DACE250904042RL001



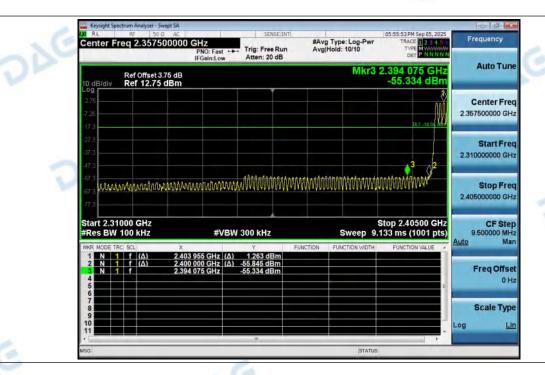
102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China

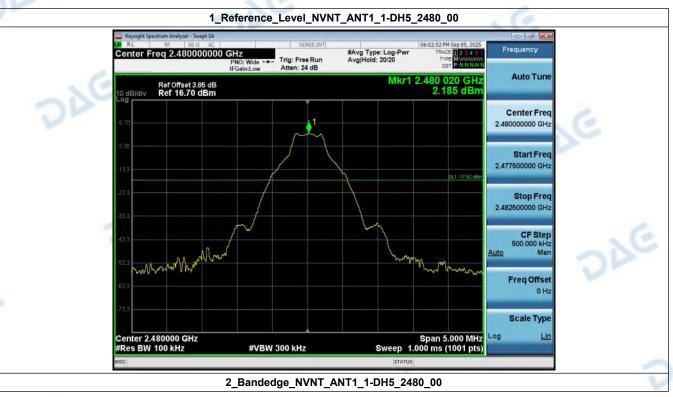
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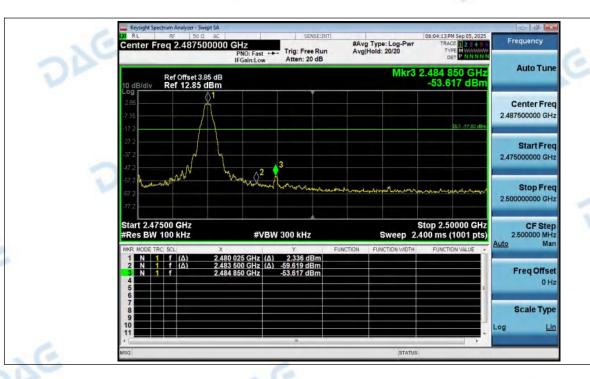


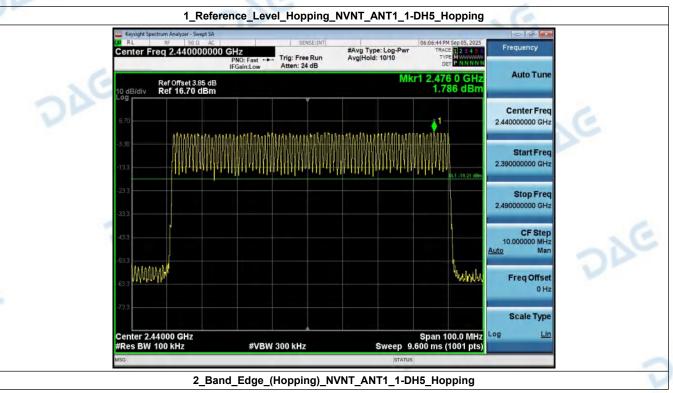




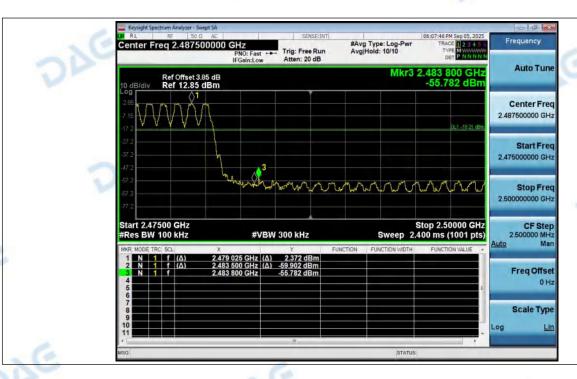
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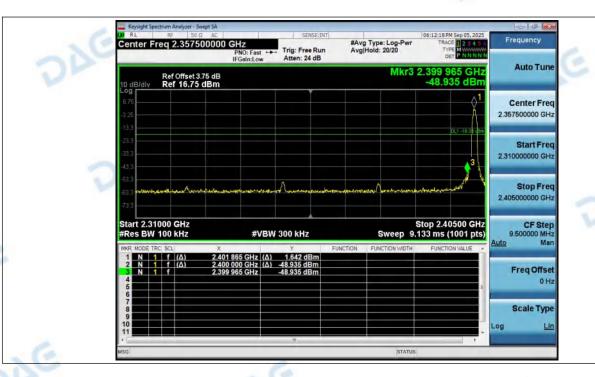
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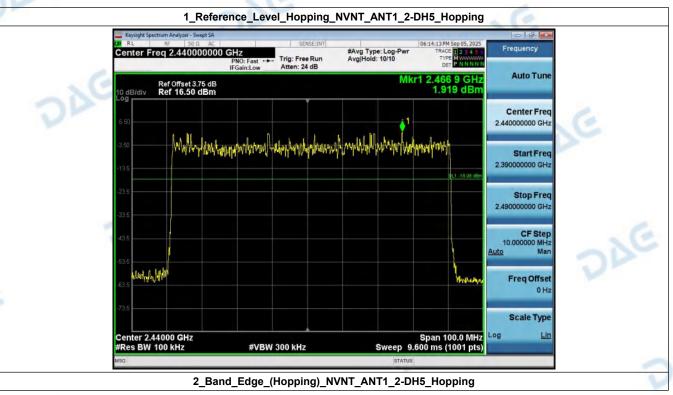




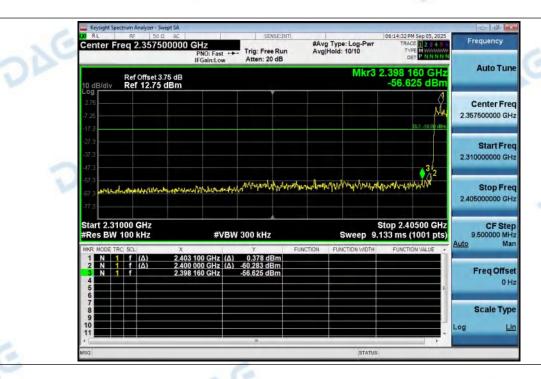
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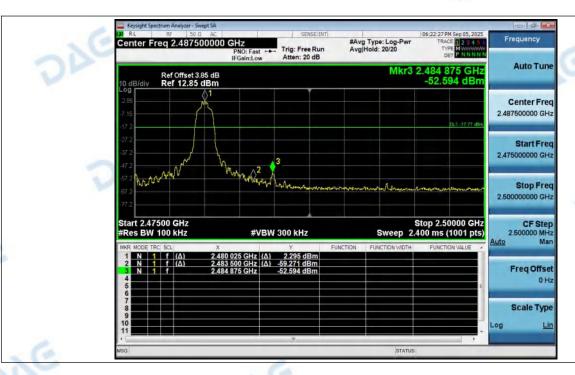


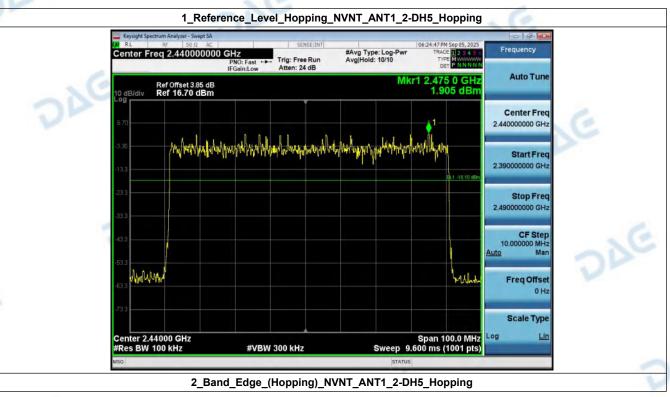
102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
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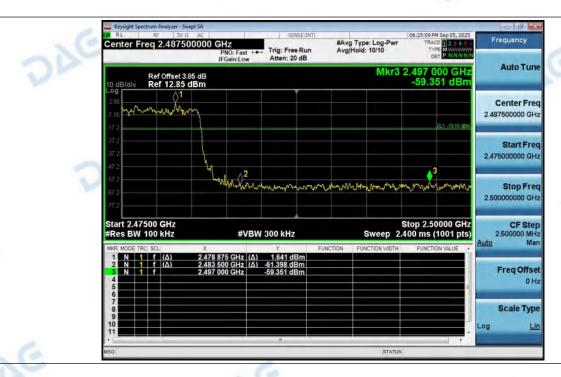


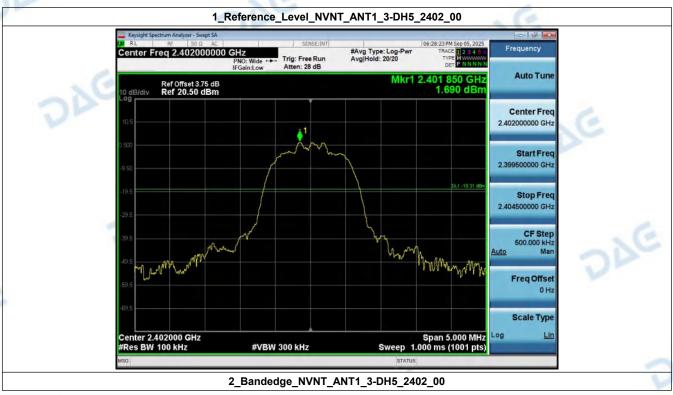
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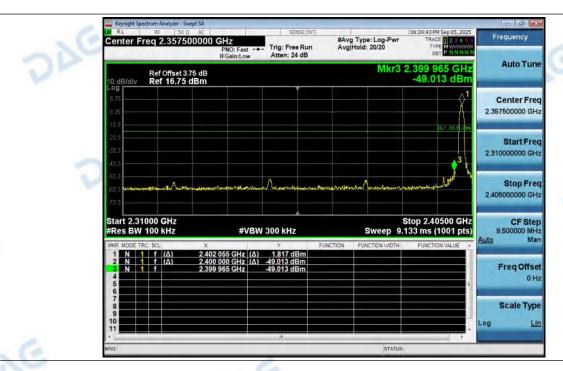
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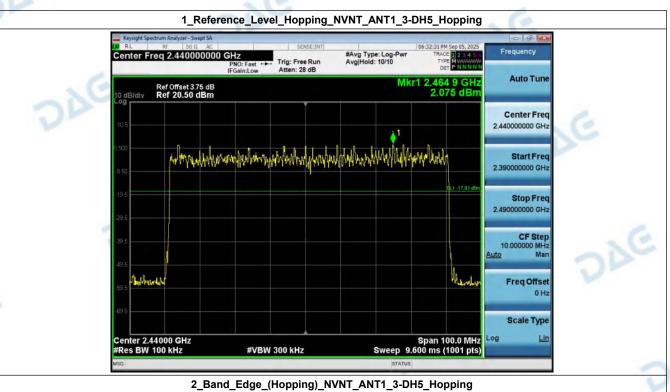




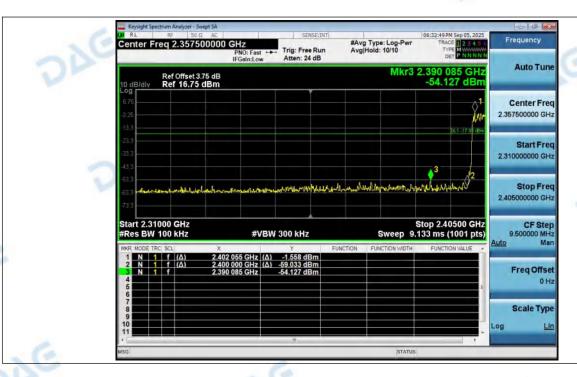
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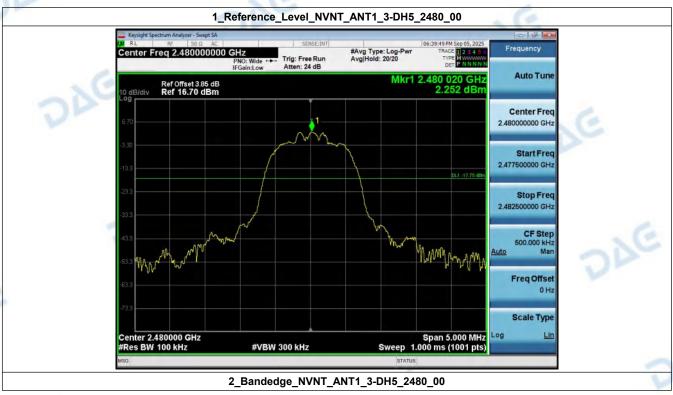


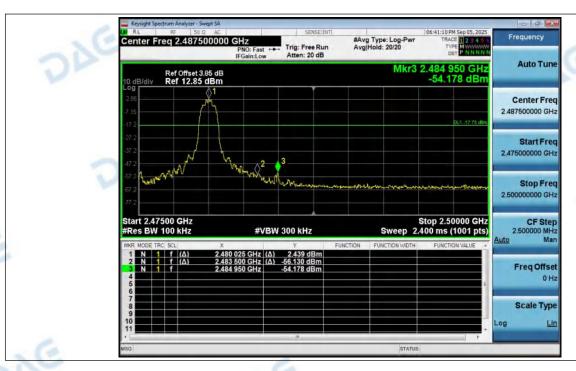


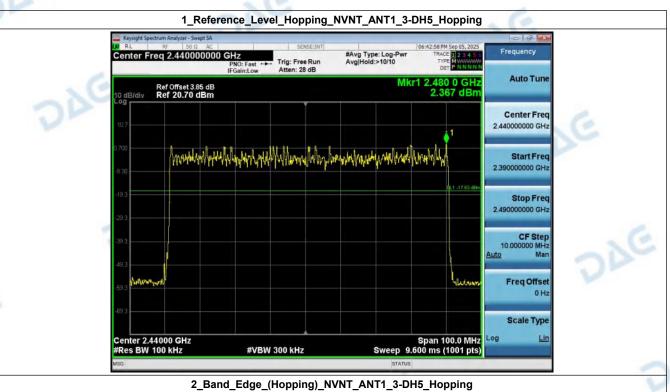


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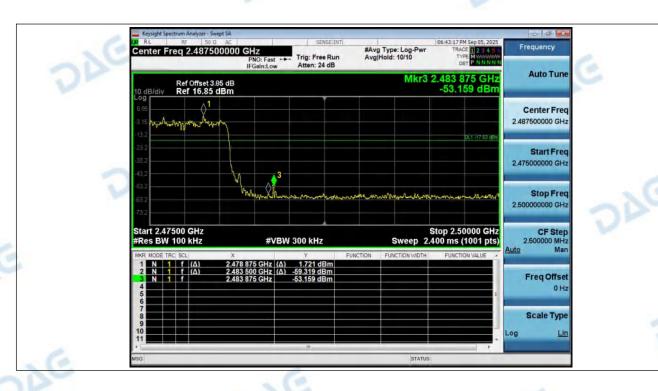
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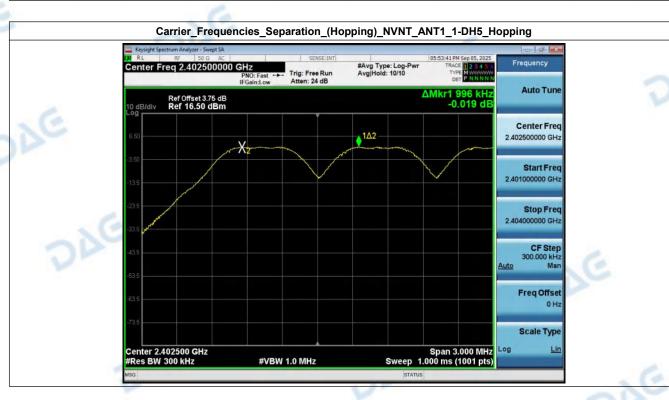
DAG



7. Carrier Frequencies Separation (Hopping)

V1.0

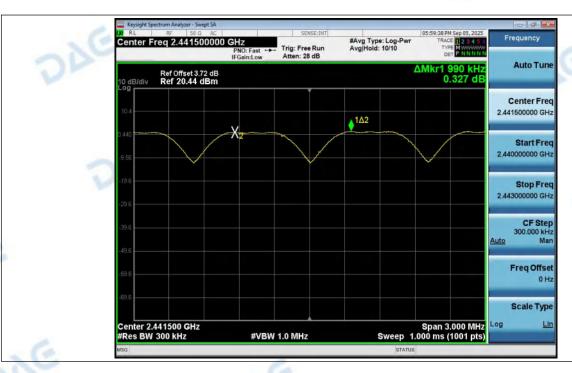
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2402.00	2401.855	2402.851	1.00	0.838	Pass
NVNT	ANT1	1-DH5	2441.00	2440.864	2441.854	0.99	0.843	Pass
NVNT	ANT1	1-DH5	2480.00	2478.849	2479.848	1.00	0.840	Pass
NVNT	ANT1	2-DH5	2402.00	2401.867	2402.854	0.99	0.767	Pass
NVNT	ANT1	2-DH5	2441.00	2440.858	2442.163	1.30	0.767	Pass
NVNT	ANT1	2-DH5	2480.00	2478.858	2480.022	1.16	0.767	Pass
NVNT	ANT1	3-DH5	2402.00	2402.176	2403.175	1.00	0.773	Pass
NVNT	ANT1	3-DH5	2441.00	2441.014	2442.181	1.17	0.770	Pass
NVNT	ANT1	3-DH5	2480.00	2478.855	2479.845	0.99	0.771	Pass

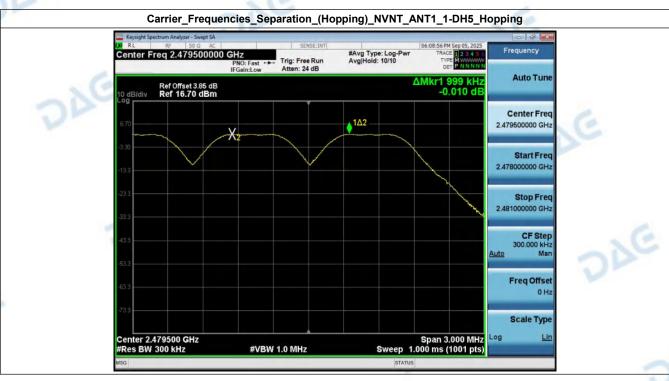


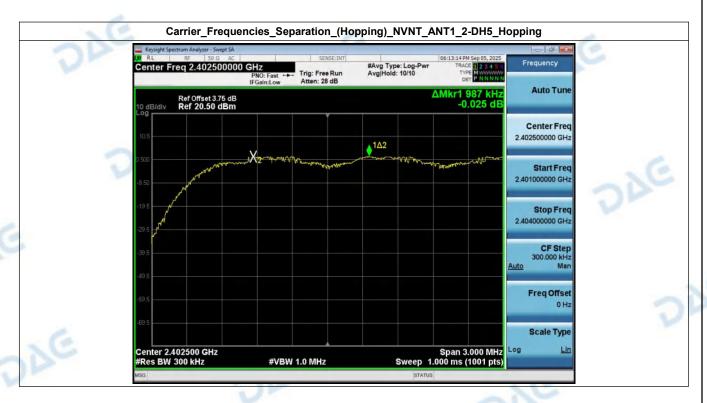
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_1-DH5_Hopping

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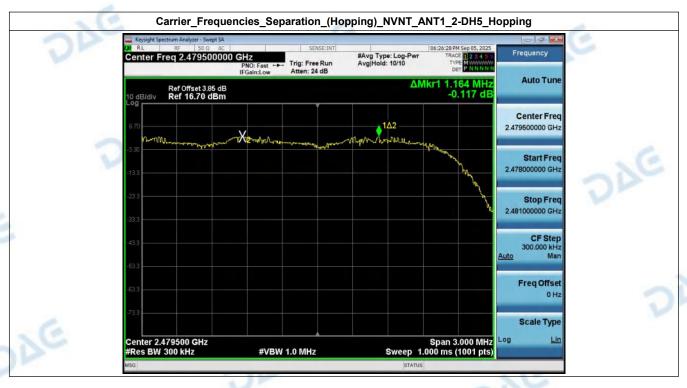
















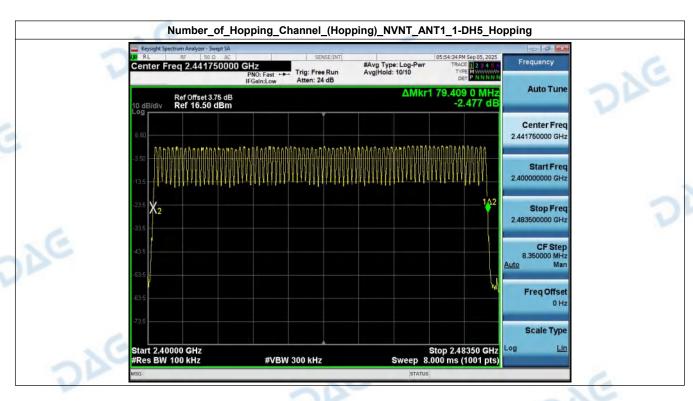


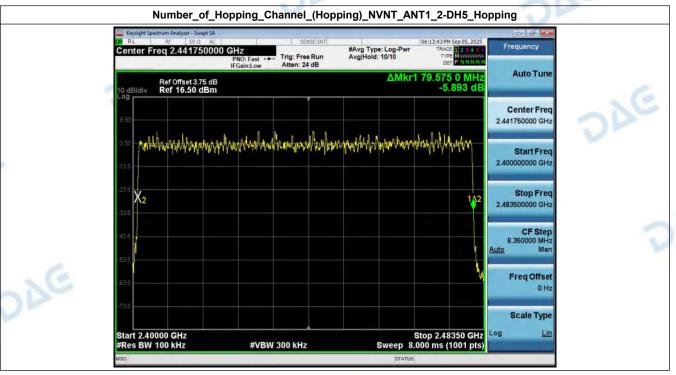


8. Number of Hopping Channel (Hopping)

V1.0

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass
NVNT	ANT1	3-DH5	79	15	Pass





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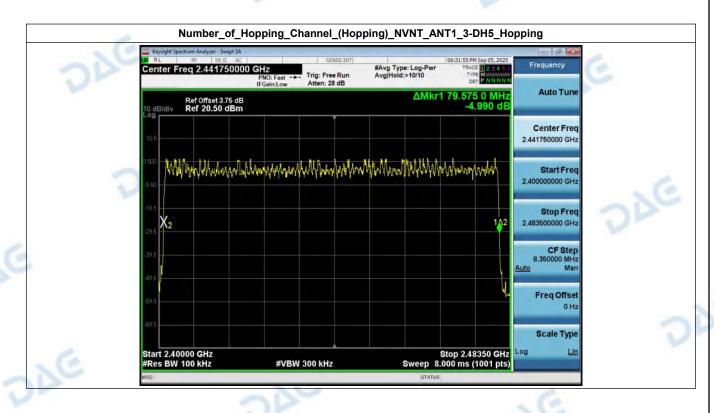
Report No.: DACE250904042RL001



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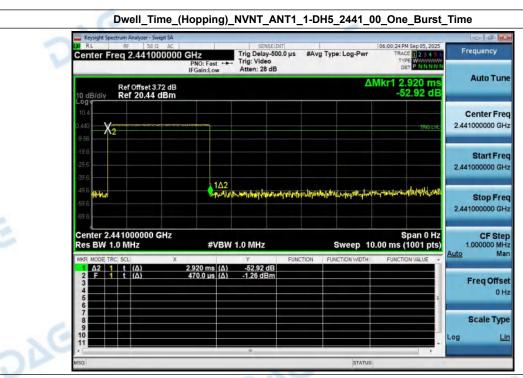
DAG



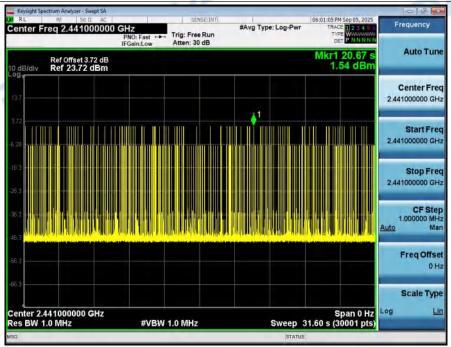
9. Dwell Time (Hopping)

V1.0

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.920	104.00	303.680	0.40	Pass
NVNT	ANT1	2-DH5	2.930	112.00	328.160	0.40	Pass
NVNT	ANT1	3-DH5	2.930	108.00	316.440	0.40	Pass



Dwell_Time_(Hopping)_NVNT_ANT1_1-DH5_2441_00_Accumulated



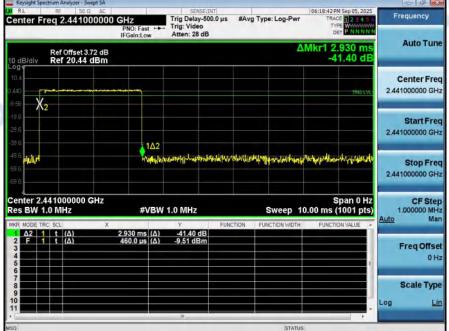
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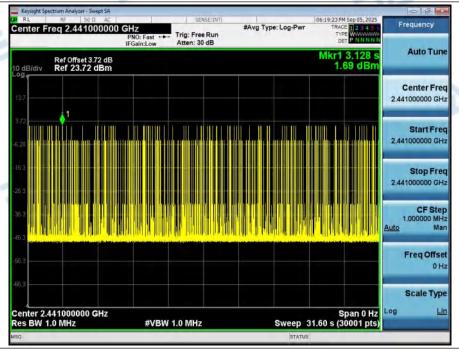
DAG

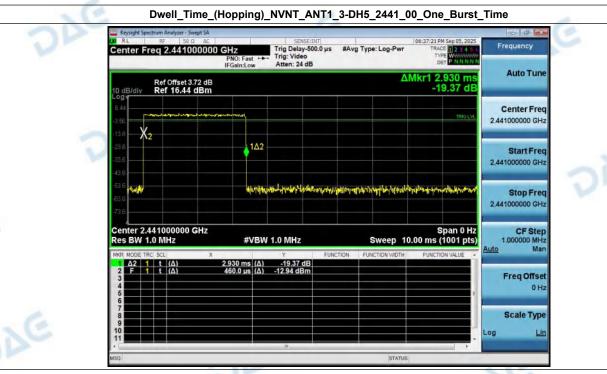
V1.0



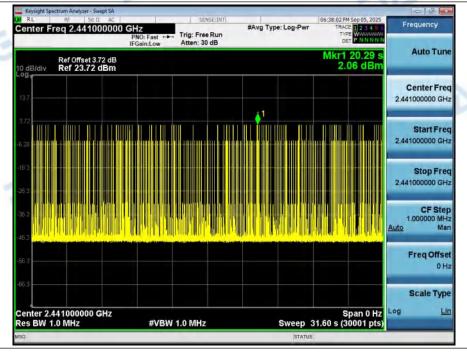


Dwell_Time_(Hopping)_NVNT_ANT1_2-DH5_2441_00_Accumulated









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