N° 1-6736
Scope available
on www.cofrac.fr

CERTIFICATE #3478.01

TEST REPORT

EUT Description	**Convertible PC**
Brand Name	**Dell**
Model Name	**P30T**
FCC ID	**PD9AX211D2**
ISED ID	**1000M-AX211D2**
Date of Test Start/End	**2025-06-12 / 2025-06-12**
Features	**2x2 Wi-Fi- Bluetooth®** (see section 5)

Applicant	**Intel Corporation SAS**
Address	**425 Rue de Goa – Le Cargo B6 – 06600 Antibes, FRANCE**
Contact Person	**Benjamin Lavenant**
Telephone/Fax/ Email	**Benjamin.lavenant@intel.com**

Reference Standards	**FCC 47 CFR Part §2.1093** **RSS 102, issue 6** (see section 1)

Test Report identification	**250527-02.TR03**
Revision Control	**Rev. 00** **This test report revision replaces any previous test report revision** (see section 8)

The test results relate only to the samples tested.
Reference to accreditation shall be used only by full reproduction of test report

Reviewed by

Digitally signed
by Estelle GILLES
Date: 2025.06.13
16:49:20 +02'00'

Estelle Gilles
(Test Engineer)

Intel Corporation S.A.S – WRF Lab
425 rue de Goa – Le Cargo B6 - 06600, Antibes, France
Tel. +33493001400 / Fax +33493001401

Table of Contents

1. Standards, reference documents and applicable test methods

FCC	1. FCC Title 47 CFR Part §2.1093 – Radiofrequency radiation exposure evaluation: portable devices. 2022-10-01 Edition 2. KDB 388624 D02 Pre-Approval Guidance List v18, PRE-APPROVAL GUIDANCE LIST 3. FCC Presentations TCB Workshop November 2019, RF exposure procedures.
ISED	1. RSS 102 Issue 6 - Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)

2. General conditions, competences and guarantees

- ✓ Tests performed under FCC standards identified in section 1 are covered by A2LA accreditation.
- ✓ Tests performed under ISED standards identified in section 1 are covered by Cofrac accreditation.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2017 laboratory accredited by the American Association for Laboratory Accreditation (A2LA) with the certificate number 3478.01.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm recognized by the FCC, with Designation Number FR0011.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2017 testing laboratory accredited by the French Committee for Accreditation (Cofrac) with the certificate number 1-6736.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is a Registered Test Site listed by ISED, with ISED company number 1000Y and CAB identifier FR0005.
- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.
- ✓ This report does not imply an approval of the product by the Certification Bodies or competent Authorities.

3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

Temperature	Min: 23.31°C Max: 25.26°C Avg: 24.05°C
Humidity	Min: 50.64% Max: 57.03% Avg: 54.43%

4. Test Sample

Sample	ID #	Description	Model	Serial #	Note
#1	250527-02.S03	Convertible PC	P30T	7953930400014	-

5. EUT Features

The herein information is provided by the customer.

Intel WRF Lab declines any responsibility for the accuracy of the stated customer provided information, especially if it has any impact on the correctness of test results presented in this report.

Brand Name	Dell	
Model Name	P30T	
Prototype / Production	Production	
Host Identification	Convertible PC	
Supported Radios	802.11b/g/n/ax	2.4GHz (2400.0 – 2483.5 MHz)
	802.11a/n/ac/ax	5.2GHz (5150.0 – 5250.0 MHz) 5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5895.0 MHz)
	802.11ax	6.0GHz (5925.0 – 7125.0 MHz)
	Bluetooth	2.4GHz (2400.0 – 2483.5 MHz)

6. Remarks and comments

1. The test report is a validation of the G sensor functionality

7. Test Results summary

The statement of conformity to applicable standards in the table below are based on the measured values, without considering the measurement uncertainties.

7.1. WLAN Tx Power Table Summary

Device Mode	Lid Angle range	LCD Direction	2.4GHz-CH6 802.11b - 1Mbps				5GHz-CH120 802.11a - 6Mbps			
			Target Power (dBm)		Measured Power (dBm)		Target Power (dBm)		Measured Power (dBm)	
			Ant AUX (1)	Ant MAIN (2)	Ant AUX (1)	Ant MAIN (2)	Ant AUX (1)	Ant MAIN (2)	Ant AUX (1)	Ant MAIN (2)
Lid Close	0° ≤ φ ≤ 30°	-	19.00	19.00	18.19	18.10	17.00	17.00	16.11	16.21
Notebook	30° < φ ≤ 200°	0°	19.00	19.00	18.19	18.10	17.00	17.00	16.11	16.21
Tablet	160°≤ φ ≤ 360°	0°	20.00	20.00	19.10	19.03	16.50	16.50	15.62	15.73

8. Document Revision History

Revision #	Modified by	Revision Details
Rev.00	Estelle GILLES	First Issue

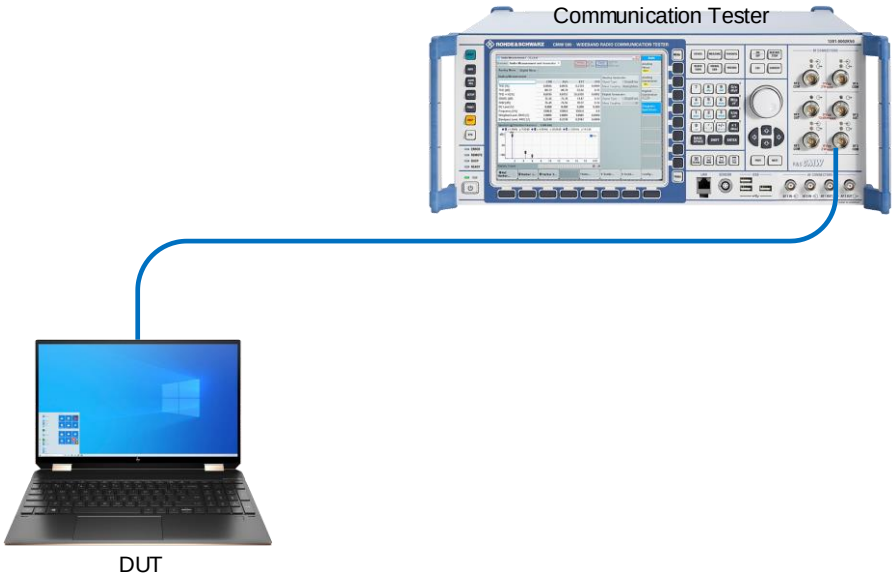
Annex A. Test & System description

A.1 Test setup

The conducted power measurement test setup is described in the following and illustrated in Figure 1.

- The DUT is a convertible PC from Dell model P30T. An AX211D2W connectivity module is installed inside
- Uplink signal power is measured with the access point.
- Path loss in the power measurement setup from the wireless module antenna port to the access point is compensated

Figure.1 – Power measurement test setup.



A.2 Procedure

The following additional guidance applies only to convertible laptops whose screen rotates around one axis, from 0 degrees to 360 degrees, in a clamshell style, i.e., from closed mode to open mode, to “tent” mode, and finally, to tablet mode. This process must be followed to determine the lid angle where a power reduction occurs, by taking power measurements at each step, as indicated in the step listed here below:

1. From the lid in closed mode (0 degrees), open the screen in 10-degree steps until laptop mode is obtained
2. Lower the screen by 5 degrees increments to verify that the “closed mode” is triggered
3. From the position of the previous step, open the screen in 1-degree increments until laptop mode is triggered again
4. Continue opening the screen in 1-degree increments until at least 5 degrees past where “laptop mode” was obtained, then continue opening the screen in 10-degree steps until the device switches to tablet mode
5. Reverse the previous procedure to go from tablet mode back down to closed mode

A.3 Test Equipment List

Equipment and accessories used for the conducted power measurement test setup are listed below. The Test Platform (DUT), test setup and associated equipment are shown in A.1.3.

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
125-000	Communication Tester	CMW500	129337	Rohde & Schwartz	2025-05-28	2027-05-28
022-003 **022-004**	RF path (RF cable + Adapters)	-	-	-	RF path loss was verified before usage	

A.4 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the table below with a coverage factor of k = 2 to indicate a 95% level of confidence:

Measurement type	Uncertainty	Unit
Power level	±1.79	dB

Annex B. Test Results

The herein test results were performed by:

Test case measurement	Test Personnel
G-Sensor Validation	Estelle GILLES

B.1 Trigger lid angle detection and power verification 2.4GHz

B.1.1 LCD direction 0°

The lid is rotating from 0° to 360°. The screen is vertical, LCD direction is 0°

Device Mode	Angle (°)	Meas. Power (dBm) 2.4GHz Ch6 Aux (1) Ant.	Meas. Power (dBm) 2.4GHz Ch6 Main (2) Ant.
Lid close	0	18.19	18.10
Lid close	10	18.19	18.10
Lid close	20	18.19	18.10
Lid close	30	18.19	18.10
Notebook	40	18.19	18.10
Lid close	35	18.19	18.10
Lid close	30	18.19	18.10
Notebook	31	18.19	18.10
Notebook	32	18.19	18.10
Notebook	33	18.19	18.10
Notebook	34	18.19	18.10
Notebook	35	18.19	18.10
Notebook	36	18.19	18.10
Notebook	37	18.19	18.10
Notebook	38	18.19	18.10
Notebook	39	18.19	18.10
Notebook	40	18.19	18.10
Notebook	50	18.19	18.10
Notebook	60	18.19	18.10
Notebook	70	18.19	18.10
Notebook	80	18.19	18.10
Notebook	90	18.19	18.10
Notebook	100	18.19	18.10
Notebook	110	18.19	18.10
Notebook	120	18.19	18.10
Notebook	130	18.19	18.10
Notebook	140	18.19	18.10
Notebook	135	18.19	18.10
Notebook	130	18.19	18.10
Notebook	131	18.19	18.10
Notebook	132	18.19	18.10
Notebook	133	18.19	18.10
Notebook	134	18.19	18.10
Notebook	135	18.19	18.10
Notebook	140	18.19	18.10
Notebook	150	18.19	18.10
Notebook	160	18.19	18.10
Notebook	180	18.19	18.10
Notebook	190	18.19	18.10
Notebook	200	18.19	18.10
Tablet	210	19.10	19.03

Device Mode	Angle (°)	Meas. Power (dBm) 2.4GHz Ch6 Aux (1) Ant.	Meas. Power (dBm) 2.4GHz Ch6 Main (2) Ant.
Tablet	205	19.10	19.03
Tablet	200	19.10	19.03
Tablet	195	19.10	19.03
Tablet	190	19.10	19.03
Tablet	185	19.10	19.03
Tablet	180	19.10	19.03
Tablet	175	19.10	19.03
Tablet	170	19.10	19.03
Tablet	165	19.10	19.03
Tablet	160	19.10	19.03
Notebook	155	18.19	18.10
Notebook	156	18.19	18.10
Notebook	157	18.19	18.10
Notebook	158	18.19	18.10
Notebook	159	18.19	18.10
Notebook	160	18.19	18.10
Notebook	170	18.19	18.10
Notebook	180	18.19	18.10
Notebook	190	18.19	18.10
Notebook	195	18.19	18.10
Notebook	196	18.19	18.10
Notebook	197	18.19	18.10
Notebook	198	18.19	18.10
Notebook	199	18.19	18.10
Notebook	200	18.19	18.10
Tablet	201	19.10	19.03
Tablet	202	19.10	19.03
Tablet	203	19.10	19.03
Tablet	204	19.10	19.03
Tablet	205	19.10	19.03
Tablet	210	19.10	19.03
Tablet	220	19.10	19.03
Tablet	230	19.10	19.03
Tablet	240	19.10	19.03
Tablet	250	19.10	19.03
Tablet	260	19.10	19.03
Tablet	270	19.10	19.03
Tablet	280	19.10	19.03
Tablet	290	19.10	19.03
Tablet	300	19.10	19.03
Tablet	310	19.10	19.03
Tablet	320	19.10	19.03
Tablet	330	19.10	19.03
Tablet	340	19.10	19.03
Tablet	350	19.10	19.03
Tablet	360	19.10	19.03

The lid is rotating from 360° to 0°. The screen is vertical, LCD direction to 0°.

Device Mode	Angle (°)	Meas. Power (dBm) 2.4GHz Ch6 Aux (1) Ant.	Meas. Power (dBm) 2.4GHz Ch6 Main (2) Ant.
Tablet	360	19.10	19.03
Tablet	350	19.10	19.03
Tablet	340	19.10	19.03
Tablet	330	19.10	19.03
Tablet	320	19.10	19.03
Tablet	310	19.10	19.03
Tablet	300	19.10	19.03
Tablet	290	19.10	19.03
Tablet	280	19.10	19.03
Tablet	270	19.10	19.03
Tablet	260	19.10	19.03
Tablet	250	19.10	19.03
Tablet	240	19.10	19.03
Tablet	230	19.10	19.03
Tablet	220	19.10	19.03
Tablet	210	19.10	19.03
Tablet	200	19.10	19.03
Tablet	190	19.10	19.03
Tablet	180	19.10	19.03
Tablet	170	19.10	19.03
Tablet	160	19.10	19.03
Notebook	150	18.19	18.10
Notebook	155	18.19	18.10
Notebook	160	18.19	18.10
Notebook	165	18.19	18.10
Notebook	170	18.19	18.10
Notebook	175	18.19	18.10
Notebook	180	18.19	18.10
Notebook	185	18.19	18.10
Notebook	190	18.19	18.10
Notebook	195	18.19	18.10
Notebook	200	18.19	18.10
Tablet	205	19.10	19.03
Tablet	204	19.10	19.03
Tablet	203	19.10	19.03
Tablet	202	19.10	19.03
Tablet	201	19.10	19.03
Tablet	200	19.10	19.03

Device Mode	Angle (°)	Meas. Power (dBm) 2.4GHz Ch6 Aux (1) Ant.	Meas. Power (dBm) 2.4GHz Ch6 Main (2) Ant.
Tablet	199	19.10	19.03
Tablet	198	19.10	19.03
Tablet	197	19.10	19.03
Tablet	196	19.10	19.03
Tablet	195	19.10	19.03
Tablet	190	19.10	19.03
Tablet	180	19.10	19.03
Tablet	170	19.10	19.03
Tablet	165	19.10	19.03
Tablet	164	19.10	19.03
Tablet	163	19.10	19.03
Tablet	162	19.10	19.03
Tablet	161	19.10	19.03
Tablet	160	19.10	19.03
Notebook	159	18.19	18.10
Notebook	158	18.19	18.10
Notebook	157	18.19	18.10
Notebook	156	18.19	18.10
Notebook	155	18.19	18.10
Notebook	150	18.19	18.10
Notebook	140	18.19	18.10
Notebook	130	18.19	18.10
Notebook	120	18.19	18.10
Notebook	110	18.19	18.10
Notebook	100	18.19	18.10
Notebook	90	18.19	18.10
Notebook	80	18.19	18.10
Notebook	70	18.19	18.10
Notebook	60	18.19	18.10
Notebook	50	18.19	18.10
Notebook	40	18.19	18.10
Lid close	30	18.19	18.10
Notebook	35	18.19	18.10
Notebook	34	18.19	18.10
Notebook	33	18.19	18.10
Notebook	32	18.19	18.10
Notebook	31	18.19	18.10
Lid close	30	18.19	18.10
Lid close	20	18.19	18.10
Lid close	10	18.19	18.10
Lid close	0	18.19	18.10

B.2 Trigger lid angle detection and power verification 5GHz

B.2.1 LCD direction 0°

The lid is rotating from 0° to 360°. The screen is vertical, LCD direction is 0°

Device Mode	Angle (°)	Meas. Power (dBm) 5GHz Ch120 Aux (1) Ant.	Meas. Power (dBm) 5GHz Ch120 Main (2) Ant.
Lid close	0	16.11	16.21
Lid close	10	16.11	16.21
Lid close	20	16.11	16.21
Lid close	30	16.11	16.21
Notebook	40	16.11	16.21
Lid close	35	16.11	16.21
Lid close	30	16.11	16.21
Notebook	31	16.11	16.21
Notebook	32	16.11	16.21
Notebook	33	16.11	16.21
Notebook	34	16.11	16.21
Notebook	35	16.11	16.21
Notebook	36	16.11	16.21
Notebook	37	16.11	16.21
Notebook	38	16.11	16.21
Notebook	39	16.11	16.21
Notebook	40	16.11	16.21
Notebook	50	16.11	16.21
Notebook	60	16.11	16.21
Notebook	70	16.11	16.21
Notebook	80	16.11	16.21
Notebook	90	16.11	16.21
Notebook	100	16.11	16.21
Notebook	110	16.11	16.21
Notebook	120	16.11	16.21
Notebook	130	16.11	16.21
Notebook	140	16.11	16.21
Notebook	135	16.11	16.21
Notebook	130	16.11	16.21
Notebook	131	16.11	16.21
Notebook	132	16.11	16.21
Notebook	133	16.11	16.21
Notebook	134	16.11	16.21
Notebook	135	16.11	16.21
Notebook	140	16.11	16.21
Notebook	150	16.11	16.21
Notebook	160	16.11	16.21
Notebook	180	16.11	16.21
Notebook	190	16.11	16.21
Notebook	200	16.11	16.21
Tablet	210	15.62	15.73

Device Mode	Angle (°)	Meas. Power (dBm) 5GHz Ch120 Aux (1) Ant.	Meas. Power (dBm) 5GHz Ch120 Main (2) Ant.
Tablet	205	15.62	15.73
Tablet	200	15.62	15.73
Tablet	195	15.62	15.73
Tablet	190	15.62	15.73
Tablet	185	15.62	15.73
Tablet	180	15.62	15.73
Tablet	175	15.62	15.73
Tablet	170	15.62	15.73
Tablet	165	15.62	15.73
Tablet	160	15.62	15.73
Notebook	155	16.11	16.21
Notebook	156	16.11	16.21
Notebook	157	16.11	16.21
Notebook	158	16.11	16.21
Notebook	159	16.11	16.21
Notebook	160	16.11	16.21
Notebook	170	16.11	16.21
Notebook	180	16.11	16.21
Notebook	190	16.11	16.21
Notebook	195	16.11	16.21
Notebook	196	16.11	16.21
Notebook	197	16.11	16.21
Notebook	198	16.11	16.21
Notebook	199	16.11	16.21
Notebook	200	16.11	16.21
Tablet	201	15.62	15.73
Tablet	202	15.62	15.73
Tablet	203	15.62	15.73
Tablet	204	15.62	15.73
Tablet	205	15.62	15.73
Tablet	210	15.62	15.73
Tablet	220	15.62	15.73
Tablet	230	15.62	15.73
Tablet	240	15.62	15.73
Tablet	250	15.62	15.73
Tablet	260	15.62	15.73
Tablet	270	15.62	15.73
Tablet	280	15.62	15.73
Tablet	290	15.62	15.73
Tablet	300	15.62	15.73
Tablet	310	15.62	15.73
Tablet	320	15.62	15.73
Tablet	330	15.62	15.73
Tablet	340	15.62	15.73
Tablet	350	15.62	15.73
Tablet	360	15.62	15.73

The lid is rotating from 360° to 0°. The screen is vertical, LCD direction to 0°.

Device Mode	Angle (°)	Meas. Power (dBm) 5GHz Ch120 Aux (1) Ant.	Meas. Power (dBm) 5GHz Ch120 Main (2) Ant.
Tablet	360	15.62	15.73
Tablet	350	15.62	15.73
Tablet	340	15.62	15.73
Tablet	330	15.62	15.73
Tablet	320	15.62	15.73
Tablet	310	15.62	15.73
Tablet	300	15.62	15.73
Tablet	290	15.62	15.73
Tablet	280	15.62	15.73
Tablet	270	15.62	15.73
Tablet	260	15.62	15.73
Tablet	250	15.62	15.73
Tablet	240	15.62	15.73
Tablet	230	15.62	15.73
Tablet	220	15.62	15.73
Tablet	210	15.62	15.73
Tablet	200	15.62	15.73
Tablet	190	15.62	15.73
Tablet	180	15.62	15.73
Tablet	170	15.62	15.73
Tablet	160	15.62	15.73
Notebook	150	16.11	16.21
Notebook	155	16.11	16.21
Notebook	160	16.11	16.21
Notebook	165	16.11	16.21
Notebook	170	16.11	16.21
Notebook	175	16.11	16.21
Notebook	180	16.11	16.21
Notebook	185	16.11	16.21
Notebook	190	16.11	16.21
Notebook	195	16.11	16.21
Notebook	200	16.11	16.21
Tablet	205	15.62	15.73
Tablet	204	15.62	15.73
Tablet	203	15.62	15.73
Tablet	202	15.62	15.73
Tablet	201	15.62	15.73
Tablet	200	15.62	15.73

Device Mode	Angle (°)	Meas. Power (dBm) 5GHz Ch120 Aux (1) Ant.	Meas. Power (dBm) 5GHz Ch120 Main (2) Ant.
Tablet	199	15.62	15.73
Tablet	198	15.62	15.73
Tablet	197	15.62	15.73
Tablet	196	15.62	15.73
Tablet	195	15.62	15.73
Tablet	190	15.62	15.73
Tablet	180	15.62	15.73
Tablet	170	15.62	15.73
Tablet	165	15.62	15.73
Tablet	164	15.62	15.73
Tablet	163	15.62	15.73
Tablet	162	15.62	15.73
Tablet	161	15.62	15.73
Tablet	160	15.62	15.73
Notebook	159	16.11	16.21
Notebook	158	16.11	16.21
Notebook	157	16.11	16.21
Notebook	156	16.11	16.21
Notebook	155	16.11	16.21
Notebook	150	16.11	16.21
Notebook	140	16.11	16.21
Notebook	130	16.11	16.21
Notebook	120	16.11	16.21
Notebook	110	16.11	16.21
Notebook	100	16.11	16.21
Notebook	90	16.11	16.21
Notebook	80	16.11	16.21
Notebook	70	16.11	16.21
Notebook	60	16.11	16.21
Notebook	50	16.11	16.21
Notebook	40	16.11	16.21
Lid close	30	16.11	16.21
Notebook	35	16.11	16.21
Notebook	34	16.11	16.21
Notebook	33	16.11	16.21
Notebook	32	16.11	16.21
Notebook	31	16.11	16.21
Lid close	30	16.11	16.21
Lid close	20	16.11	16.21
Lid close	10	16.11	16.21
Lid close	0	16.11	16.21

End of the report

This page is left intentionally blank and marks the last page of the test report.