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PART 22/24/27/90 MEASUREMENT REPORT

Applicant Name:

Microsoft Corporation
One Microsoft Way
Redmond, WA 98052
United States

Date of Testing:

4/27/2026 – 6/5/2026

Test Report Issue Date:

7/10/2026

Test Site/Location:

Element Lab, Columbia, MD, USA

Test Report Serial No.:

1M2603250028-05.C3K

FCC ID:

C3K2114

APPLICANT:

Microsoft Corporation

Application Type:

Class II Permissive Change, Module Host Integration

EUT Type:

Module integrated into Portable Computing Device

FCC Classification:

PCS Licensed Transmitter (PCB)

FCC Rule Part:

22, 24, 27, 90

Test Procedure(s):

ANSI C63.26-2015

Permissive Change(s):

Please see change document

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

RJ Ortanez
Executive Vice President



FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	7/10/2026	WKR0000023296

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 Element Test Location

Measurements were conducted at the Element laboratory(ies) indicated in Section 1.3 below. All measurement facilities are compliant with the test site requirements specified in ANSI C63.4-2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at Element lab located in Columbia, MD 21046, U.S.A. ("MD")

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISSED Standards (RSS).
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with ISSED (Wireless Test Lab number 2451B) and FCC (Designation Number US1113).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISSED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is a **Microsoft Corporation Module FCC ID: C3K2114** installed in Portable Computing Device Model: 2150. This same device also includes a WiFi integrated module certified under FCC ID: C3K00002101. The test data contained in this report pertains to the emissions due to the simultaneous transmission of the host devices cellular and WiFi transmitters.

Test Device Serial No.: 0F369DG26103WK, 0F4TDRJ26093WK, 0F4TDQK26093WK, 0F7BTFT26093WK, 0F4TDRD26093WK

2.2 Device Capabilities

This device contains the following capabilities:

Bluetooth (1x, EDR, LE), 802.11b/g/n/ac/ax/be WLAN, 802.11a/n/ac/ax/be UNII (5GHz and GHz), 850/1700/1900, WCDMA/HSPA, Multi-band LTE, Multi-band 5G NR (FR1), NFC, WPT

2.3 Test Configuration

The EUT was tested per the guidance of ANSI C63.26-2015. See Section 6.0 of this test report for a description of the radiated emissions tests.

Both the cellular and WiFi modules were set to transmit at their maximum output power levels as specified in the original Grants of Authorization. Multiple combinations of 5G+4G bands and 2.4/5/6GHz band were tested for this spurious emissions evaluation. All emissions are evaluated to the less stringent requirements between Part 15 operation for the WiFi transmitter and Parts 22, 24, 27, and 90 for the cellular transmitter.

2.4 Software and Firmware

Testing was performed on device(s) using software/firmware version 260109-FRA-37d62d4-00452-0 (licensed) and 2026.509.11908993 (unlicensed) installed on the EUT.

2.5 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26-2015) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 Radiated Power and Radiated Spurious Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For radiated power measurements, substitution method is used per the guidance of ANSI C63.26-2015. For emissions below 1GHz, a half-wave dipole is substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d [dBm] = P_g [dBm] - \text{cable loss} [dB] + \text{antenna gain} [dBd/dBi];$$

where P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g [dBm] - \text{cable loss} [dB]$.

For radiated spurious emissions measurements, the field strength conversion method is used per the formulas in Section 5.2.7 of ANSI C63.26-2015. Field Strength (EIRP) is calculated using the following formulas:

$$E_{[dB\mu V/m]} = \text{Measured amplitude level}_{[dBm]} + 107 + \text{Cable Loss}_{[dB]} + \text{Antenna Factor}_{[dB/m]}$$

And

$$\text{EIRP}_{[dBm]} = E_{[dB\mu V/m]} + 20\log D - 104.8; \text{ where } D \text{ is the measurement distance in meters.}$$

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4-2014. Additionally, radiated emissions below 30MHz are also validated on an Open Area Test Site to assert correlation with the chamber measurements per the requirements of KDB 414788 D01 v01r01.

Radiated power and radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26-2015.

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4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Bench Top Measurements	1.13
Radiated Disturbance (<1GHz)	4.98
Radiated Disturbance (>1GHz)	5.07
Radiated Disturbance (>18GHz)	5.09

Table 4-1. Measurement Uncertainty Budget – MD

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5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	AP1-002	EMC Cable and Switch System	2/3/2026	Annual	2/3/2027	AP1-002
-	ETS-001	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-001
-	ETS-002	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-002
-	MVG-001	EMC Cable and Switch System	2/2/2026	Annual	2/2/2027	MVG-001
-	MVG-002	EMC Cable and Switch System	2/2/2026	Annual	2/2/2027	MVG-002
ETS Lindgren	3117	1-18GHz DRG Horn (Medium)	6/4/2025	Biennial	6/4/2027	125518
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	12/19/2025	Annual	12/19/2026	100342
Rohde & Schwarz	ESU40	EMI Test Receiver (40GHz)	1/16/2026	Annual	1/16/2027	100348
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	9/11/2024	Biennial	9/11/2026	A051107
Sunol	JB6	JB6 Antenna	3/24/2025	Biennial	3/24/2027	A082816
Rohde & Schwarz	FSW26	2Hz-26.5GHz Signal and Spectrum Analyzer	11/18/2025	Annual	11/18/2026	103187
Rohde & Schwarz	TC-TA18	Cross Polarized Vivaldi Test Antenna (1-18GHz)	12/10/2024	Biennial	12/10/2026	101073
Anritsu	MA24408A	8GHz Microwave Peak Power Sensor	1/27/2026	Annual	1/27/2027	11676
Micro-Tronics	BRM50710-G016	Notch filter for B30	2/25/2025	Biennial	2/25/2027	B30
Micro-Tronics	BRM50709-G022	Notch filter for B41/38/7	2/25/2025	Biennial	2/25/2027	B38_41_7
Micro-Tronics	BRM50714-G015	Notch filter for B25/2	2/25/2025	Biennial	2/25/2027	B2_25
Micro-Tronics	BRM50713-G019	Notch filter for B66/4	2/25/2025	Biennial	2/25/2027	B4_66
Micro-Tronics	BRM20846-001	Notch filter for B77	2/25/2025	Biennial	2/25/2027	n77- 001

Table 5-1. Test Equipment Calibration Table

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6.0 TEST RESULTS

6.1 Summary

Company Name: Microsoft Corporation
 FCC ID: C3K2114
 FCC Classification: PCS Licensed Transmitter (PCB) Licensed Class
 Mode(s): WLAN, UNII, LTE, NR

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference
RADIATED	Effective Radiated Power / Equivalent Isotropic Radiated Power (LTE Band 26, 5; NR Band n5)	22.913(a)(5)	< 7 Watts max. ERP	PASS	Section 6.2
	Equivalent Isotropic Radiated Power (LTE Band 25; NR Band n2)	24.232(c)	<2 Watts max. EIRP	PASS	Section 6.2
	Equivalent Radiated Power (LTE Band 12, 17; NR Band n71)	27.50(c)(10)	≤ 3 Watts max. ERP	PASS	Section 6.2
	Equivalent Isotropic Radiated Power (LTE Band 66; NR Band n66)	27.50(d)(4)	≤ 1 Watt max. EIRP	PASS	Section 6.2
	Equivalent Isotropic Radiated Power (LTE Band 7, 41; NR Band n7, 41)	27.50(h)(2)	≤ 2 Watt max. EIRP	PASS	Section 6.2
	Equivalent Isotropic Radiated Power (NR Band n77)	27.50(j)(3), 27.50(k)(3)	≤ 1 Watt EIRP	PASS	Section 6.2
	Equivalent Radiated Power (LTE Band 14, NR Band n14)	90.542(a)(7)	< 3 Watts max. ERP	PASS	Section 6.2
	Radiated Spurious Emissions (LTE Band 26, 5; NR Band n5)	2.1052, 22.917(a)	> 43 + 10 log ₁₀ (P[Watts]) for all out-of-band emissions	PASS	Section 6.3
	Radiated Spurious Emissions (LTE Band 25; NR Band n2)	2.1053, 24.238(a)	≥ 43 + 10 log (P[Watts]) dB of attenuation below transmitter power	PASS	Section 6.3
	Radiated Spurious Emissions (LTE Band 12, 17; NR Band n71)	2.1053, 27.53(g)	≥ 43 + 10 log (P[Watts]) dB of attenuation below transmitter power	PASS	Section 6.3
	Radiated Spurious Emissions (LTE Band 66; NR Band n66)	2.1052, 27.53(h)(1)	≥ 43 + 10 log (P[Watts]) dB of attenuation below transmitter power	PASS	Section 6.3
	Radiated Spurious Emissions (LTE Band 7, 41; NR Band n7, n41)	2.1053, 27.53(m)	Undesirable emissions must meet the limits detailed in 27.53(m)	PASS	Section 6.3
	Radiated Spurious Emissions (NR Band n77)	2.1053, 27.53(l), 27.53(n)	≤ -13 dBm / MHz	PASS	Section 6.3
	Radiated Spurious Emissions (LTE Band 14; NR Band n14)	2.1053, 90.543(e)(f)	> 43 + 10 log ₁₀ (P[Watts]) for all out-of-band emissions except emissions in the 1559 - 1610MHz band are subject to a limit of -40dBm/MHz for wideband signals	PASS	Section 6.3

* The only transmitter output conducted powers included in this report are those where the Pmax value, per the tune-up document, is higher than any of the DSI power levels. For the remaining conducted power measurements, see the **RF Exposure Report**.

Table 6-1. Summary of Test Results

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Notes:

The conducted powers were spot-checked to ensure that they are still operating as specified in the original Grant of Authorization for this module. The antenna gains used with this device are applied to the maximum conducted powers from the original filing to ensure ERP/EIRP compliance per the relevant requirements under Parts 22, 24, 27, and 90.

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6.2 Transmitter Conducted Output Power (ERP/EIRP) and Radiated Power (EIRP)

Transmitter Conducted Output Power (ERP/EIRP) Test Overview

All emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2

Test Settings

1. Detector = RMS
2. Trace mode = trace average for continuous emissions, max hold for pulse emissions
3. Sweep time = auto couple
4. The trace was allowed to stabilize
5. Please see test notes below for RBW and VBW settings

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

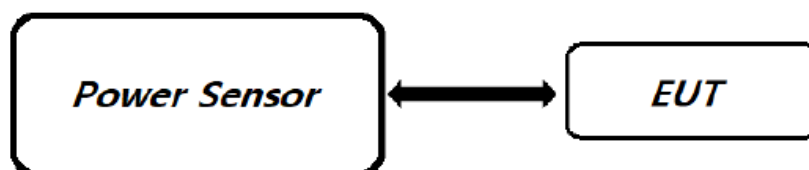


Figure 6-1. Test Instrument & Measurement Setup

Test Notes

1. Conducted power measurements were evaluated using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
2. Conducted power was found to reduce for the higher order QAM modulations when compared to 16QAM. Due to this trend, only the worst-case QAM (16QAM) powers are included in this section.

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Radiated Power (EIRP) Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into the host device antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

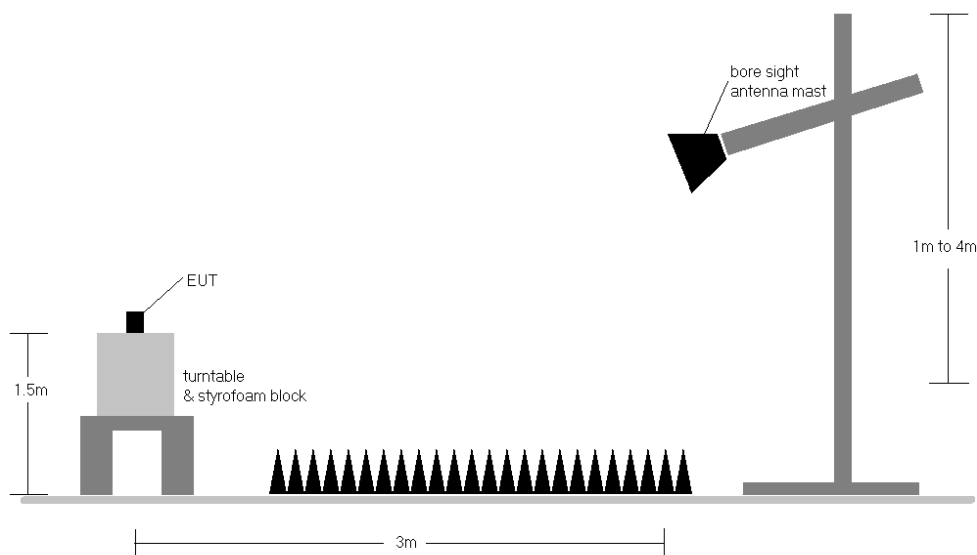


Figure 6-2. Radiated Test Setup >1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.
- 4) EIRP values were derived from the measured conducted output power and applicable antenna gain. For bands where the calculated EIRP exceeded the specified limit, EIRP was determined using the substitution measurement method.

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Band	Frequency Range [MHz]	Conducted Power [dBm]	Ant Gain [dBi]	EIRP [dBm]	EIRP [Watts]	ERP [dBm]	ERP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP Limit [dBm]	Margin [dB]
LTE Band 71 (Ant 2)	663 - 698	23.83	0.21	24.04	0.254	21.89	0.155	-	-	34.77	-12.88
LTE Band 12 (Ant 2)	699 - 716	24.20	-0.44	23.76	0.238	21.61	0.145	-	-	34.77	-13.16
LTE Band 13 (Ant 2)	777 - 787	23.98	-0.39	23.59	0.229	21.44	0.139	-	-	34.77	-13.33
LTE Band 14 (Ant 2)	788 - 798	24.82	-0.70	24.12	0.258	21.97	0.157	-	-	34.77	-12.80
LTE Band 26/5 (Ant 2)	814 - 849	23.75	-0.24	23.51	0.224	21.36	0.137	-	-	38.45	-17.09
LTE Band 66/4 (Ant 6)	1710 - 1780	24.40	2.82	27.22	0.527	25.07	0.321	30.00	-2.78	-	-
LTE Band 25/2 (Ant 6)	1850 - 1915	24.15	3.47	27.62	0.578	25.47	0.352	33.00	-5.38	-	-
LTE Band 41 (PC2) Ant 1	2496 - 2690	26.23	3.26	29.49	0.889	27.34	0.542	33.01	-3.52	-	-
5G NR n71 (Ant 2)	663 - 698	23.58	0.21	23.79	0.239	21.64	0.146	-	-	34.77	-13.13
5G NR n12 (Ant 2)	699 - 716	24.05	-0.44	23.61	0.230	21.46	0.140	-	-	34.77	-13.31
5G NR n14 (Ant 2)	788 - 798	23.78	-0.70	23.08	0.203	20.93	0.124	-	-	34.77	-13.84
5G NR n26/5 (Ant 2)	824 - 849	24.08	-0.24	23.84	0.242	21.69	0.148	-	-	38.45	-16.76
5G NR n66 (Ant 6)	1710 - 1780	24.24	2.82	27.06	0.508	24.91	0.310	30.00	-2.94	-	-
5G NR n25 (Ant 6)	1850 - 1915	24.15	3.47	27.62	0.578	25.47	0.352	33.00	-5.38	-	-
5G NR n41 (Ant 1)	2496 - 2690	26.32	3.26	29.58	0.908	27.43	0.553	33.01	-3.43	-	-
5G NR n77_C (Ant 1)	3700 - 3980	25.52	3.56	29.08	0.809	26.93	0.493	30.00	-0.92	-	-

Table 6-2. Transmitter Conducted Output Power/ Equivalent Isotropic Radiated Power

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	H	151	306	3.69	1 / 25	20.04	23.73	0.236	23.98	-0.25
	16-QAM	2310.0	H	151	306	3.69	1 / 25	18.92	22.61	0.183	23.98	-1.37
5 MHz	QPSK	2307.5	H	151	306	3.69	1 / 12	20.09	23.78	0.239	23.98	-0.20
	QPSK	2310.0	H	151	306	3.69	1 / 12	20.17	23.87	0.244	23.98	-0.11
	QPSK	2312.5	H	151	306	3.69	1 / 12	20.23	23.92	0.246	23.98	-0.06
	16-QAM	2307.5	H	151	306	3.69	1 / 12	18.98	22.67	0.185	23.98	-1.31
	16-QAM	2310.0	H	151	306	3.69	1 / 12	18.90	22.60	0.182	23.98	-1.38
	16-QAM	2312.5	H	151	306	3.69	1 / 12	18.89	22.58	0.181	23.98	-1.40
10 MHz	Opposite Pol.	2310.0	V	176	271	3.43	1/25	17.88	21.31	0.135	23.98	-2.67

Table 6-3. EIRP Data (LTE Band 30) – Ant1

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	$\pi/2$ BPSK	2310.0	H	153	307	3.69	1 / 26	19.70	23.39	0.218	23.98	-0.59
	QPSK	2310.0	H	153	307	3.69	1 / 26	19.63	23.32	0.215	23.98	-0.66
	16-QAM	2310.0	H	153	307	3.69	1 / 26	18.67	22.36	0.172	23.98	-1.62
5 MHz	$\pi/2$ BPSK	2307.5	H	153	307	3.69	1 / 12	19.72	23.41	0.219	23.98	-0.57
	$\pi/2$ BPSK	2310.0	H	153	307	3.69	1 / 1	19.82	23.51	0.225	23.98	-0.46
	$\pi/2$ BPSK	2312.5	H	153	307	3.69	1 / 12	19.82	23.51	0.225	23.98	-0.47
	QPSK	2307.5	H	153	307	3.69	1 / 12	19.63	23.32	0.215	23.98	-0.66
	QPSK	2310.0	H	153	307	3.69	1 / 1	19.71	23.40	0.219	23.98	-0.57
	QPSK	2312.5	H	153	307	3.69	1 / 12	19.77	23.46	0.222	23.98	-0.52
	16-QAM	2307.5	H	153	307	3.69	1 / 12	18.46	22.15	0.164	23.98	-1.83
	16-QAM	2310.0	H	153	307	3.69	1 / 1	18.52	22.21	0.167	23.98	-1.77
	16-QAM	2312.5	H	153	307	3.69	1 / 12	18.68	22.37	0.173	23.98	-1.61
10 MHz	QPSK (CP-OFDM)	2310.0	H	150	310	3.69	1/50	19.13	22.82	0.192	23.98	-1.16
	Opposite Pol.	2310.0	V	177	266	3.43	1/26	18.25	21.68	0.147	23.98	-2.30

Table 6-4. EIRP Data (NR Band n30) – Ant1

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Co computing Device	Approved by: Technical Manager
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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Ant6 Conducted Power [dBm]	Ant1 Conducted Power [dBm]	Ant Gain [dBi]	Ant6 + Ant 1 EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	509202	2546.01	1 / 136	25.52	25.59	3.18	31.75	1.496	33.01	-1.26
		518598	2592.99	1 / 271	25.37	25.66	3.18	31.71	1.48	33.01	-1.30
		528000	2640.00	1 / 136	25.57	25.76	3.18	31.86	1.53	33.01	-1.15
	QPSK	509202	2546.01	1 / 136	25.47	25.55	3.18	31.70	1.479	33.01	-1.31
		518598	2592.99	1 / 271	25.26	25.65	3.18	31.65	1.46	33.01	-1.36
		528000	2640.00	1 / 136	25.46	25.67	3.18	31.76	1.50	33.01	-1.25
	16-QAM	509202	2546.01	1 / 136	24.51	24.52	3.18	30.71	1.18	33.01	-2.30
		518598	2592.99	1 / 271	24.40	24.63	3.18	30.71	1.18	33.01	-2.30
		528000	2640.00	1 / 136	24.41	24.70	3.18	30.75	1.19	33.01	-2.26

Table 6-5. EIRP Data (UL-MIMO n41 PC1.5) – Ant1&6

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
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Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Ant Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 136	24.52	3.81	28.33	0.68	30.00	-1.67
	QPSK	633334	3500.01	1 / 136	24.46	3.81	28.27	0.67	30.00	-1.73
	16-QAM	633334	3500.01	1 / 136	23.44	3.81	27.25	0.53	30.00	-2.75

Table 6-6. EIRP Data (NR Band n77 SRS_DoD Band) – Ant 8

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Ant Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	650000	3750.00	1 / 136	24.69	3.81	28.50	0.708	30.00	-1.50
		656000	3840.00	1 / 136	24.72	3.81	28.53	0.71	30.00	-1.47
		662000	3930.00	1 / 136	24.71	3.81	28.52	0.71	30.00	-1.48
	QPSK	650000	3750.00	1 / 136	24.65	3.81	28.46	0.701	30.00	-1.54
		656000	3840.00	1 / 136	24.70	3.81	28.51	0.71	30.00	-1.49
		662000	3930.00	1 / 136	24.68	3.81	28.49	0.71	30.00	-1.51
	16-QAM	650000	3750.00	1 / 136	23.61	3.81	27.42	0.55	30.00	-2.58
		656000	3840.00	1 / 136	23.78	3.81	27.59	0.57	30.00	-2.41
		662000	3930.00	1 / 136	23.63	3.81	27.44	0.55	30.00	-2.56

Table 6-7. EIRP Data (NR Band n77 SRS_C-Band) – Ant 8

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Ant1 Conducted Power [dBm]	Ant6 Conducted Power [dBm]	Ant Gain [dBi]	Ant1 + Ant6 EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	633334	3500.01	1 / 136	25.61	25.05	2.75	27.80	0.60	30.00	-2.20
	QPSK	633334	3500.01	1 / 136	25.58	24.92	2.75	27.67	0.58	30.00	-2.33
	16-QAM	633334	3500.01	1 / 136	24.63	24.06	2.75	26.81	0.48	30.00	-3.19

Table 6-8. EIRP Data (UL-MIMO n77 PC1.5_DoD Band) – Ant6&1

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Ant1 Conducted Power [dBm]	Ant6 Conducted Power [dBm]	Ant Gain [dBi]	Ant1 + Ant6 EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	650000	3750.00	1 / 136	25.46	25.27	2.75	28.02	0.634	30.00	-1.98
		656000	3840.00	1 / 136	25.55	25.10	2.75	27.85	0.61	30.00	-2.15
		662000	3930.00	1 / 136	25.20	25.12	2.75	27.87	0.61	30.00	-2.13
	QPSK	650000	3750.00	1 / 136	25.42	25.24	2.75	27.99	0.630	30.00	-2.01
		656000	3840.00	1 / 136	25.49	25.04	2.75	27.79	0.60	30.00	-2.21
		662000	3930.00	1 / 136	25.17	25.07	2.75	27.82	0.61	30.00	-2.18
	16-QAM	650000	3750.00	1 / 136	24.36	24.31	2.75	27.06	0.51	30.00	-2.94
		656000	3840.00	1 / 136	24.39	24.03	2.75	26.78	0.48	30.00	-3.22
		662000	3930.00	1 / 136	24.15	23.98	2.75	26.73	0.47	30.00	-3.27

Table 6-9. EIRP Data (UL-MIMO n77 PC1.5_C-Band) – Ant6&1

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6.3 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into the host device antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

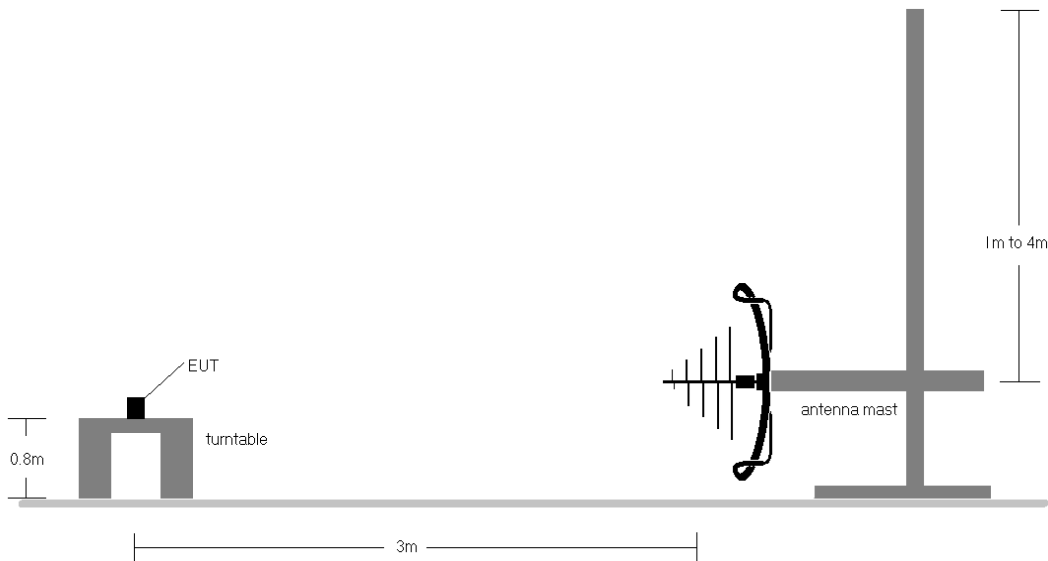


Figure 6-3. Test Instrument & Measurement Setup < 1GHz

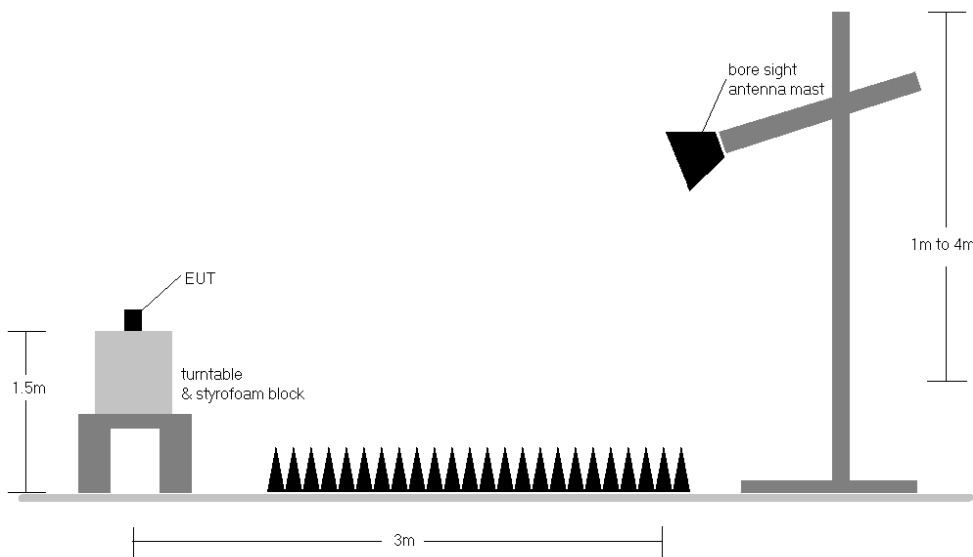


Figure 6-4. Test Instrument & Measurement Setup > 1GHz

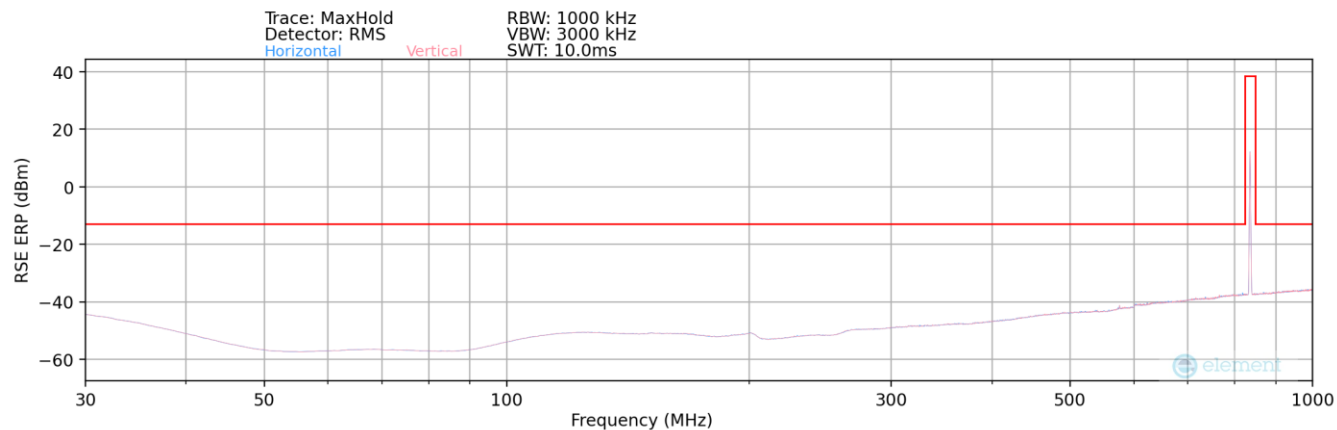
FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
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Test Notes

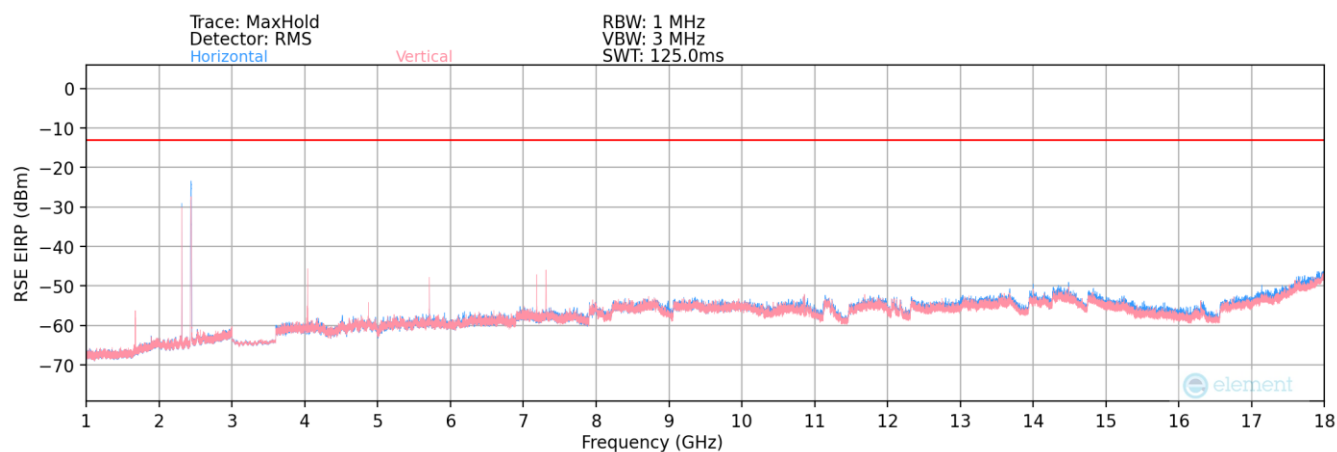
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) This unit was tested with its standard battery.
- 3) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 4) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 5) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 6) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
- 7) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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EN-DC NR n5 + B30 + 2.4GHz 802.11b MIMO Ch 6



Plot 6-1. Radiated Spurious Plot Below 1GHz



Plot 6-2. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-2, emission at 2437 MHz is not considered as this is the 2.4 GHz Ch 6 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
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Bandwidth (MHz):	20 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	836.5 + 2310 + 2437
RB / Offset:	1 / 53 (NR) + 1/25 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n5 + B30 + 2.4GHz Ch.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
161.44	V	-	-	-96.57	19.54	29.97	-67.43	-13.00	-54.43

Table 6-10. Radiated Spurious Data - Below 1GHz

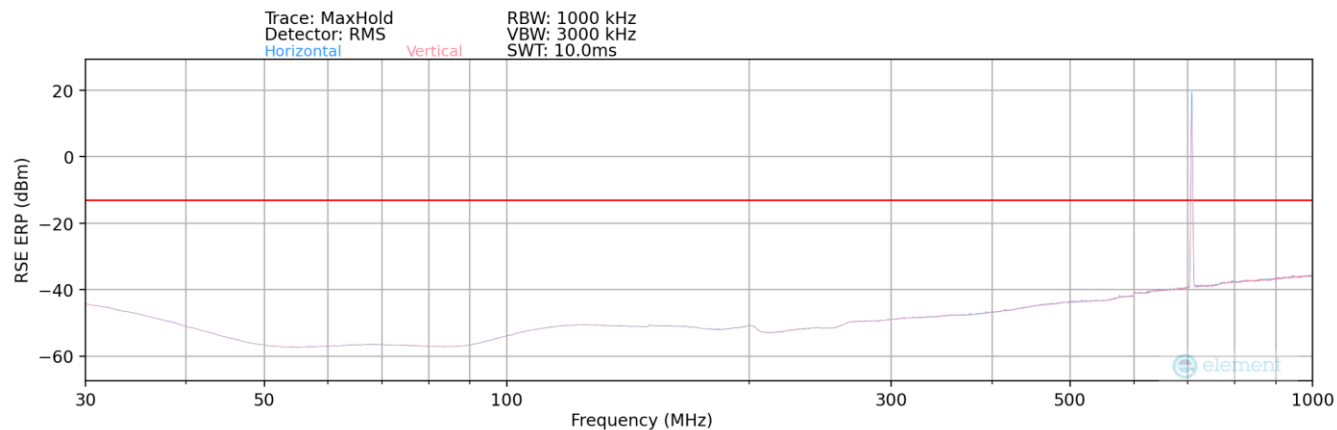
Bandwidth (MHz):	20 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	836.5 + 2310 + 2437
RB / Offset:	1 / 53 (NR) + 1/25 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n5 + B30 + 2.4GHz Ch.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.00	V	138	348	-62.22	-8.47	36.31	-58.94	-13.00	-45.94
4037.50	V	185	249	-61.34	-0.97	44.69	-50.57	-13.00	-37.57
4874.00	V	211	227	-67.72	-0.26	39.02	-56.24	-13.00	-43.24
5710.00	V	136	213	-60.51	0.90	47.39	-47.87	-13.00	-34.87
7184.00	V	162	221	-64.90	3.56	45.66	-49.60	-13.00	-36.60
7311.00	V	244	205	-68.02	4.69	43.67	-51.59	-13.00	-38.59
8147.50	V	-	-	-76.66	5.99	36.33	-58.93	-13.00	-45.93
8984.00	V	-	-	-77.07	8.03	37.96	-57.30	-13.00	-44.30
9621.00	V	-	-	-78.64	8.76	37.12	-58.14	-13.00	-45.14

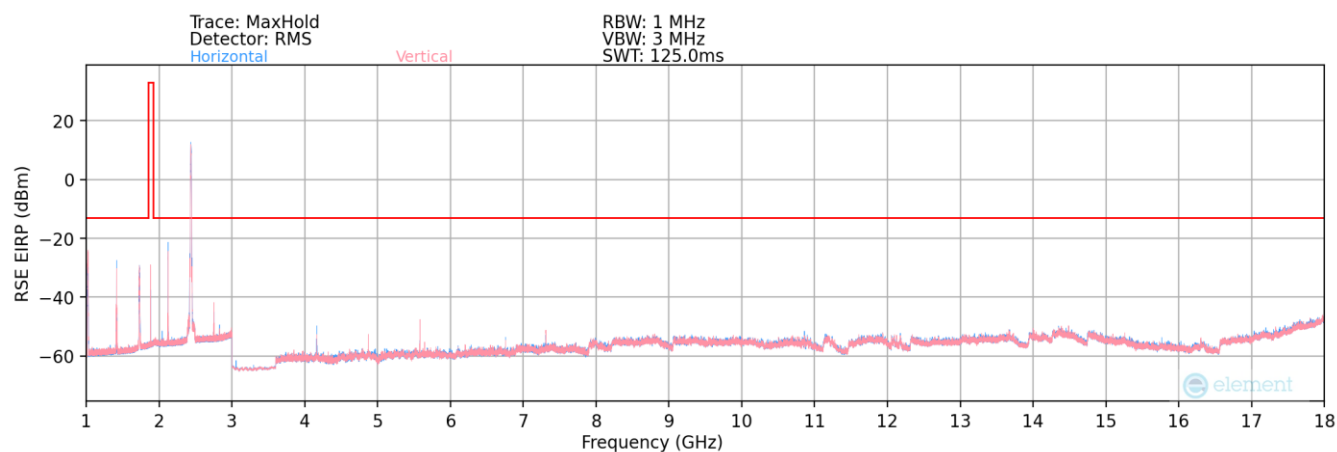
Table 6-11. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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EN-DC NR n25 + B12 + 2.4GHz 802.11b MIMO Ch 6



Plot 6-3. Radiated Spurious Plot Below 1GHz



Plot 6-4. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-3, emission at 707.5 MHz is not considered as this is the LTE B12 fundamental.

Per Plot 6-4, emission at 2437 MHz is not considered as this is the 2.4 GHz Ch 6 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
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Bandwidth (MHz):	20 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	836.5 + 2310 + 2437
RB / Offset:	1 / 53 (NR) + 1/25 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n5 + B30 + 2.4GHz Ch.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
161.44	V	-	-	-96.57	19.54	29.97	-67.43	-13.00	-54.43

Table 6-12. Radiated Spurious Data - Below 1GHz

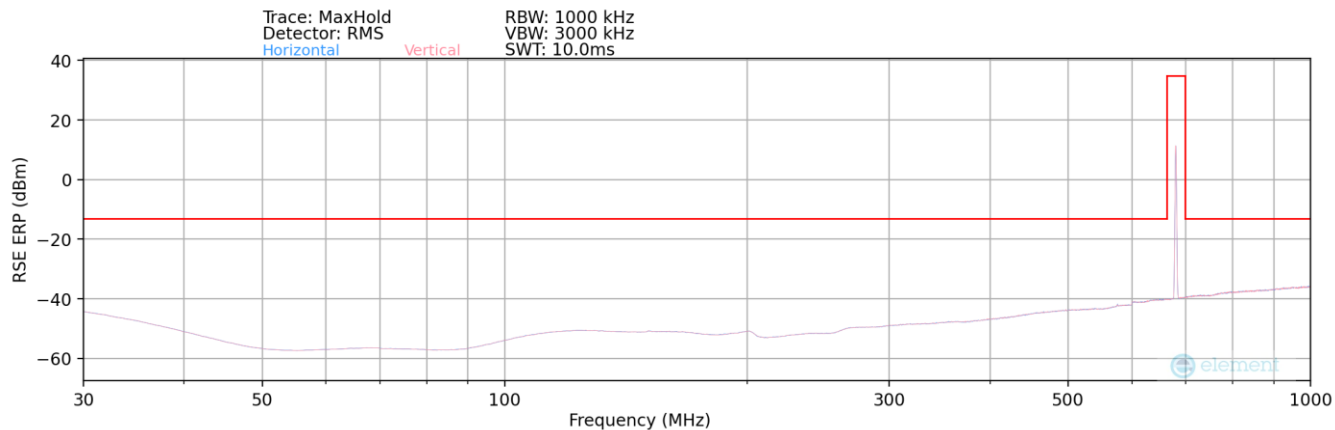
Bandwidth (MHz):	20 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	1882.5 + 707.5 + 2437
RB / Offset:	1 / 53 (NR) + 1/25 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n25/2 + B12 + 2.4GHz Ch.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1022.00	V	302	160	-27.98	-1.97	77.05	-18.21	-13.00	-5.21
1415.00	H	330	26	-33.62	-0.67	72.71	-22.54	-13.00	-9.54
1729.50	H	218	237	-45.58	13.99	75.41	-19.85	-13.00	-6.85
2122.50	H	338	233	-32.88	3.38	77.50	-17.76	-13.00	-4.76
2751.50	V	311	179	-49.68	3.66	60.98	-34.28	-13.00	-21.28
3057.50	H	274	113	-73.17	-2.80	31.03	-64.23	-13.00	-51.23
4166.50	H	256	174	-58.61	-1.13	47.26	-48.00	-13.00	-35.00
4874.00	V	230	223	-65.98	-0.26	40.76	-54.50	-13.00	-41.50
5581.50	V	147	29	-62.95	0.80	44.85	-50.41	-13.00	-37.41
6756.50	H	274	93	-71.53	2.47	37.94	-57.32	-13.00	-44.32
7311.00	V	334	248	-72.58	4.69	39.11	-56.15	-13.00	-43.15
8084.50	V	-	-	-75.62	5.85	37.23	-58.03	-13.00	-45.03
9193.50	V	-	-	-76.81	7.57	37.76	-57.49	-13.00	-44.49
10120.00	V	-	-	-77.07	8.65	38.58	-56.68	-13.00	-43.68

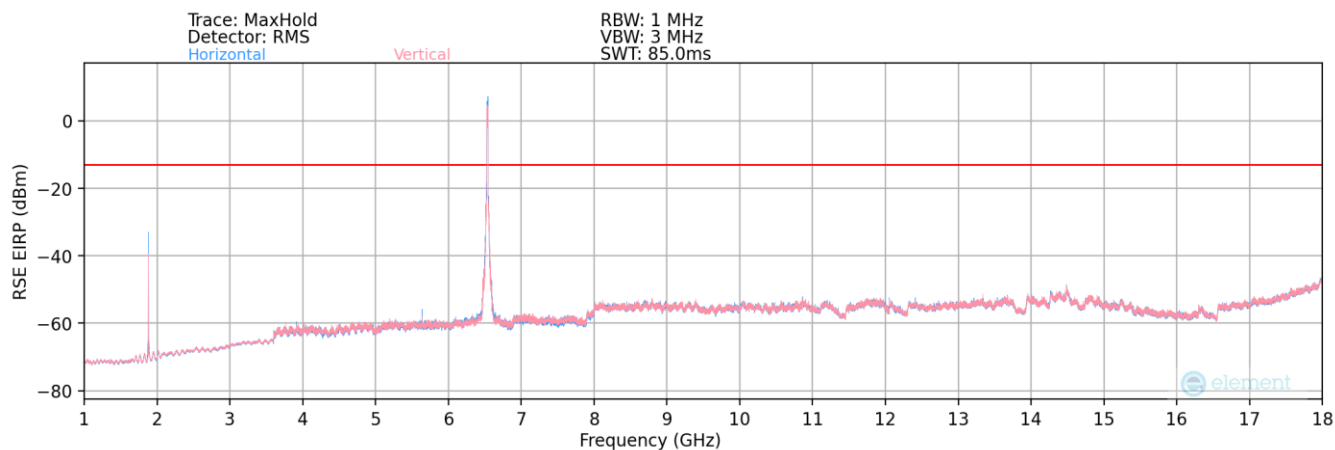
Table 6-13. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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EN-DC NR n71 + B2 + 6GHz 802.11a SP MIMO Ch 117



Plot 6-5. Radiated Spurious Plot Below 1GHz



Plot 6-6. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-6, emission at 6535MHz is not considered, this is the 6GHz Ch 117 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 24 of 46

Bandwidth (MHz)	20 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	680.5 + 1880 + 6535
RB / Offset:	1/53 + 1/50
Mode:	Non-Stand Alone
Anchor Band:	n71 + B2 + 6GHz Ch.117

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
153.89	H	-	-	-97.11	19.61	29.50	-67.90	-13.00	-54.90

Table 6-14. Radiated Spurious Data - Below 1GHz

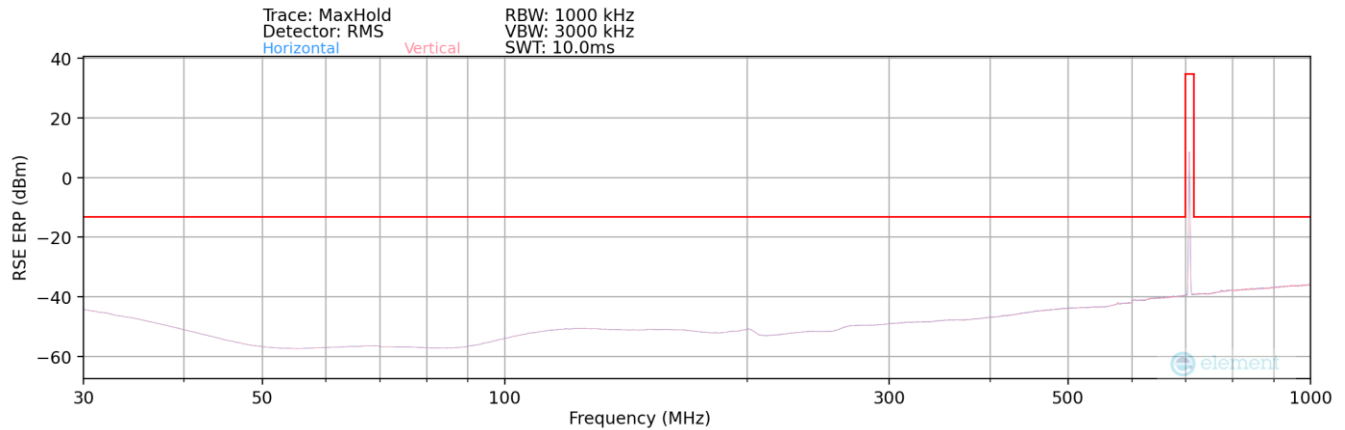
Bandwidth (MHz):	20 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	680.5 + 1880 + 6535
RB / Offset:	1/53 + 1/50
Detector / Trace Mode:	Non-Stand Alone
RBW / VBW:	n71 + B2 + 6GHz Ch.117

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5640.00	H	169	206	-71.24	0.93	36.69	-58.57	-13.00	-45.57
8576.50	H	-	-	-73.97	6.90	39.93	-55.33	-13.00	-42.33
9614.50	H	-	-	-77.64	8.07	37.43	-57.83	-13.00	-44.83
10295.00	H	-	-	-77.25	8.41	38.16	-57.10	-13.00	-44.10

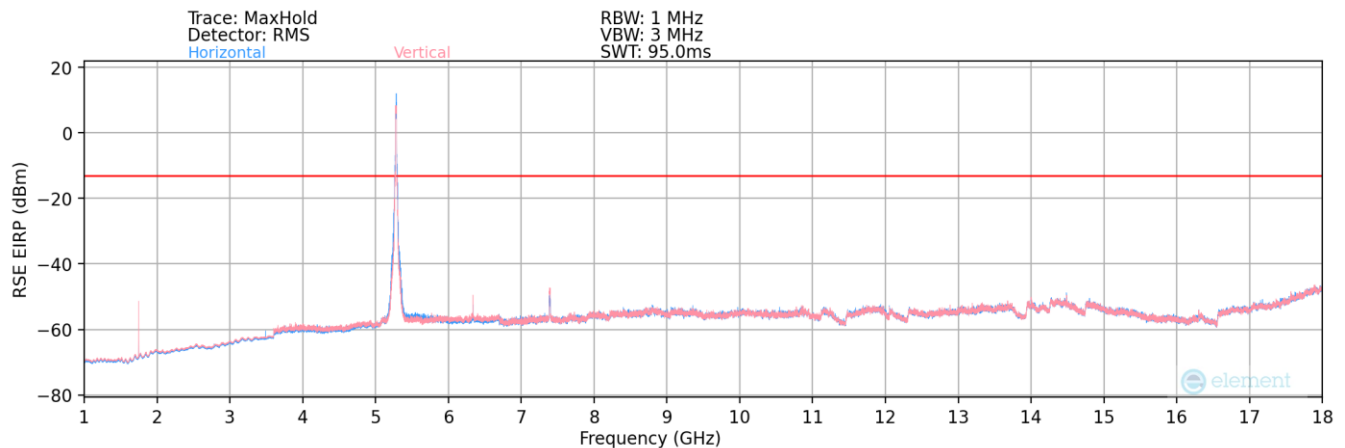
Table 6-15. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 25 of 46

EN-DC NR n12 + B66 + 5GHz 802.11a MIMO Ch 56



Plot 6-7. Radiated Spurious Plot Below 1GHz



Plot 6-8. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-8, emission at 5280 MHz is not considered, this is the 5GHz Ch 56 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 26 of 46

Bandwidth (MHz):	15 (NR) + 20 (LTE) + 20 (WiFi)
Frequency (MHz):	707.5 + 1745 + 5280
RB / Offset:	1 / 39 (NR) + 1/50 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n12 + B66/4 + 5GHz Ch.56

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
153.50	H	-	-	-97.02	19.61	29.59	-67.82	-13.00	-54.82

Table 6-16. Radiated Spurious Data - Below 1GHz

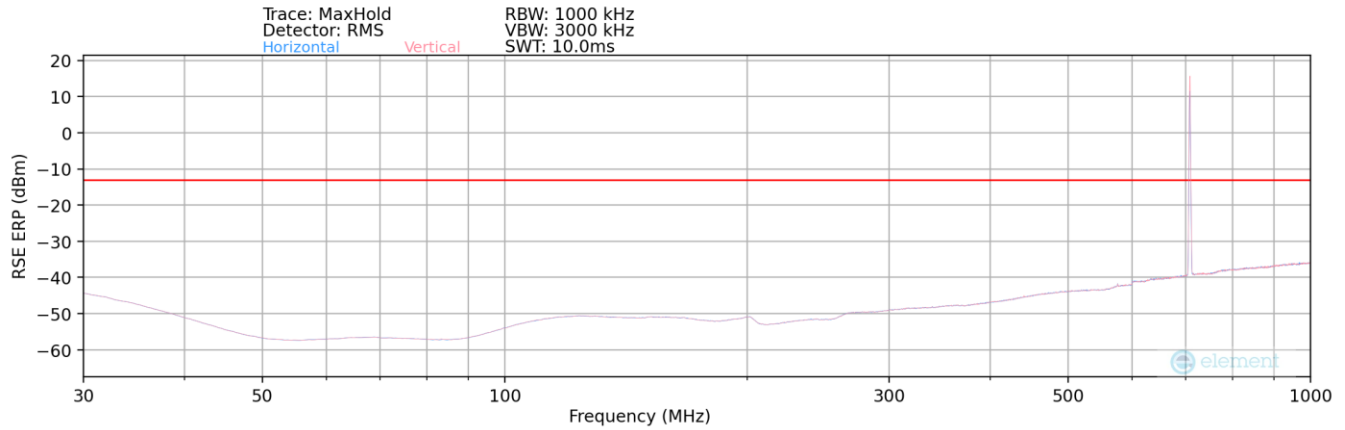
Bandwidth (MHz):	15 (NR) + 20 (LTE) + 20 (WiFi)
Frequency (MHz):	707.5 + 1745 + 5280
RB / Offset:	1 / 39 (NR) + 1/50 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n12 + B66/4 + 5GHz Ch.56

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
6335.00	V	177	145	-63.82	2.25	45.43	-49.83	-13.00	-36.83
7392.00	V	137	191	-65.38	4.62	46.24	-49.01	-13.00	-36.01
8815.00	V	-	-	-76.32	7.75	38.43	-56.83	-13.00	-43.83
9852.50	V	-	-	-76.73	8.18	38.45	-56.81	-13.00	-43.81
10605.00	V	-	-	-77.92	8.49	37.57	-57.69	-13.00	-44.69

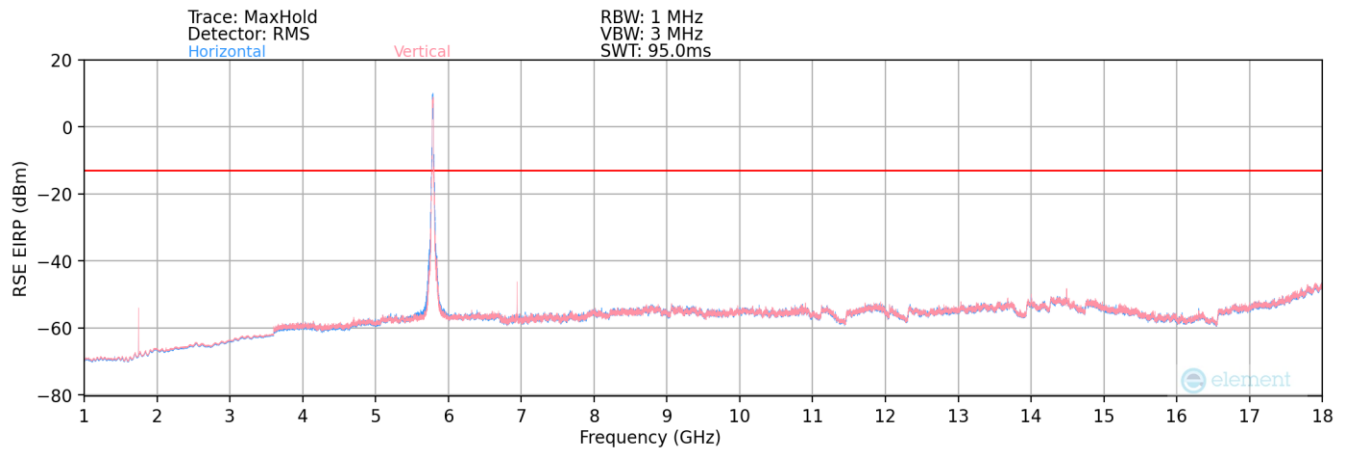
Table 6-17. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 27 of 46

EN-DC NR n66 + B12 + 5GHz 802.11a Ch 157



Plot 6-9. Radiated Spurious Plot Below 1GHz



Plot 6-10. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-9, emission at 707.5 MHz is not considered, this is the LTE B12 fundamental.

Per Plot 6-10, emission at 5785 MHz is not considered, this is the 5GHz Ch 157 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 28 of 46

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Bandwidth (MHz):	40 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	1745 + 707.5 + 5785
RB / Offset:	1/108 (NR) + 1/25 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n66 + B12 + 5GHz Ch.157

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
149.38	V	-	-	-96.99	19.71	29.72	-67.69	-13.00	-54.69

Table 6-18. Radiated Spurious Data - Below 1GHz

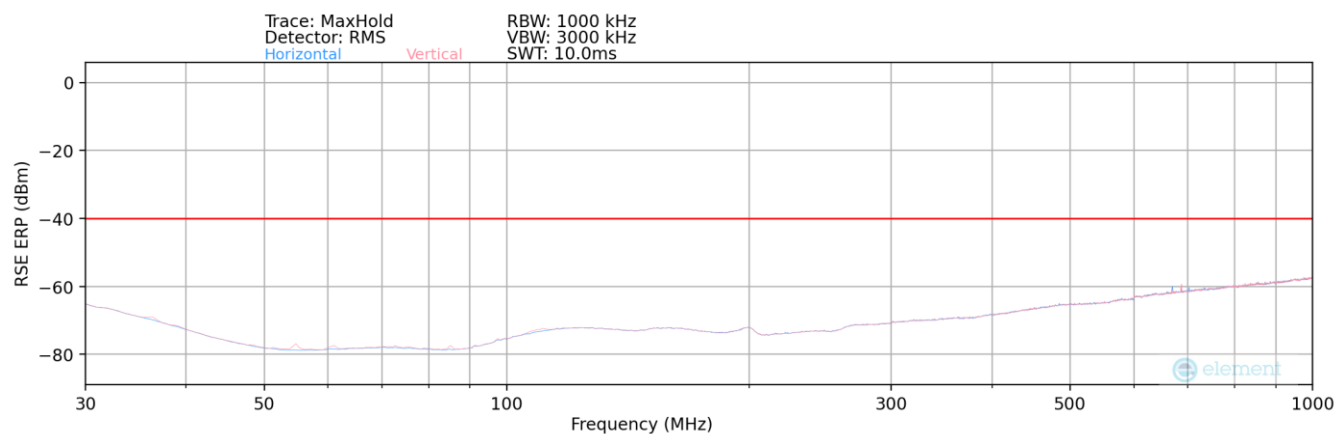
Bandwidth (MHz):	40 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	1745 + 707.5 + 5785
RB / Offset:	1/108 (NR) + 1/25 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n66 + B12 + 5GHz Ch.157

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
6942.00	V	180	194	-59.15	3.88	51.73	-43.52	-13.00	-30.52
14510.00	V	191	39	-74.23	12.90	45.67	-49.59	-13.00	-36.59
15610.00	V	-	-	-76.90	8.30	38.40	-56.85	-13.00	-43.85
15940.00	V	-	-	-77.72	8.80	38.08	-57.18	-13.00	-44.18
16317.50	V	-	-	-77.58	9.14	38.56	-56.70	-13.00	-43.70

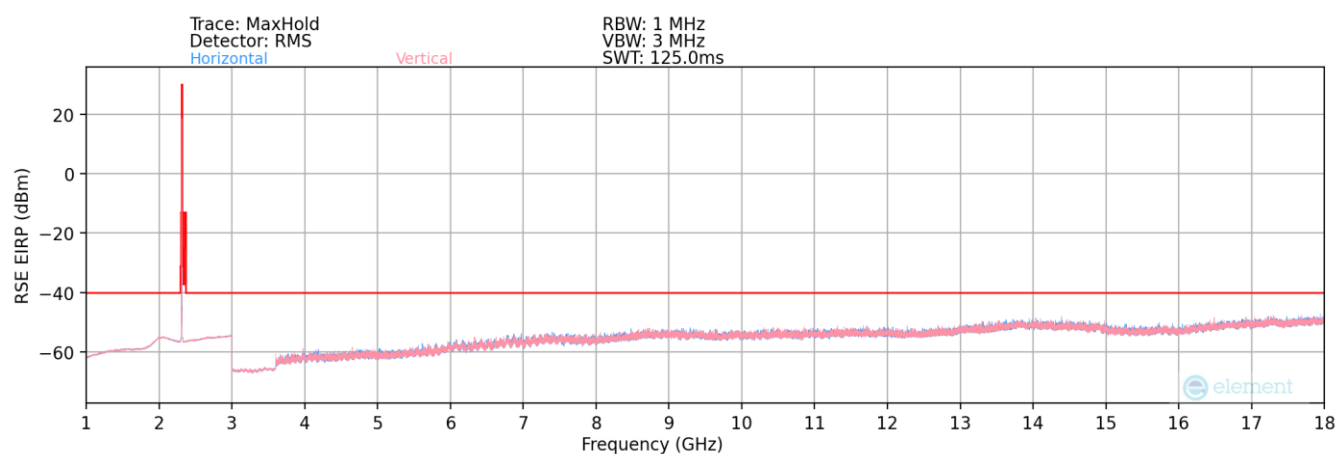
Table 6-19. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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LTE Band 30



Plot 6-11. Radiated Spurious Plot Below 1GHz



Plot 6-12. Radiated Spurious Plot Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
670.00	H	-	-	-95.32	28.21	39.89	-57.51	-40.00	-17.51

Table 6-20. Radiated Spurious Data - Below 1GHz

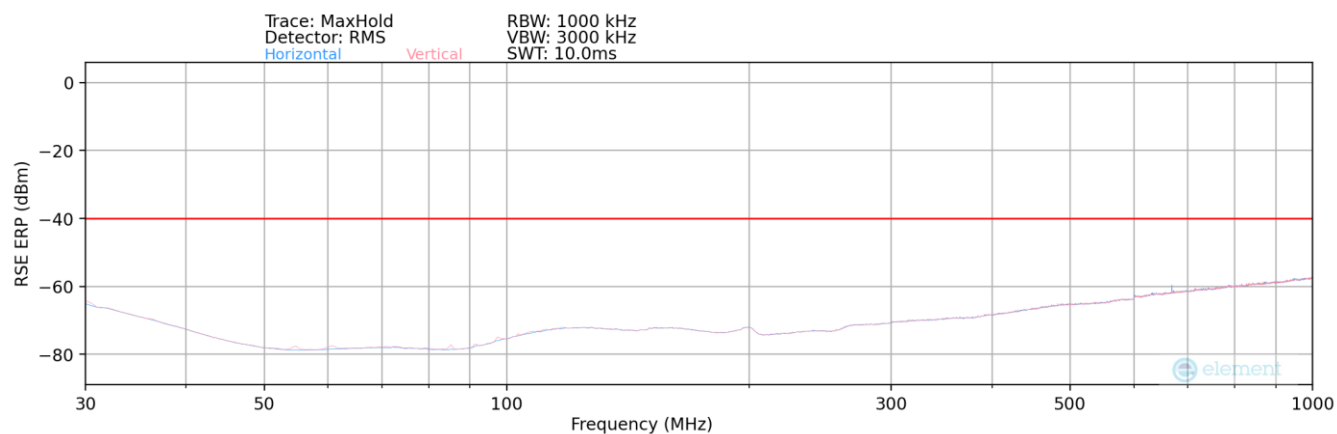
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	333	188	-76.92	2.48	32.56	-62.69	-40.00	-22.69
6930.00	V	-	-	-80.11	7.82	34.71	-60.54	-40.00	-20.54
9240.00	V	-	-	-80.21	10.39	37.18	-58.07	-40.00	-18.07
11550.00	V	-	-	-81.18	12.66	38.48	-56.78	-40.00	-16.78

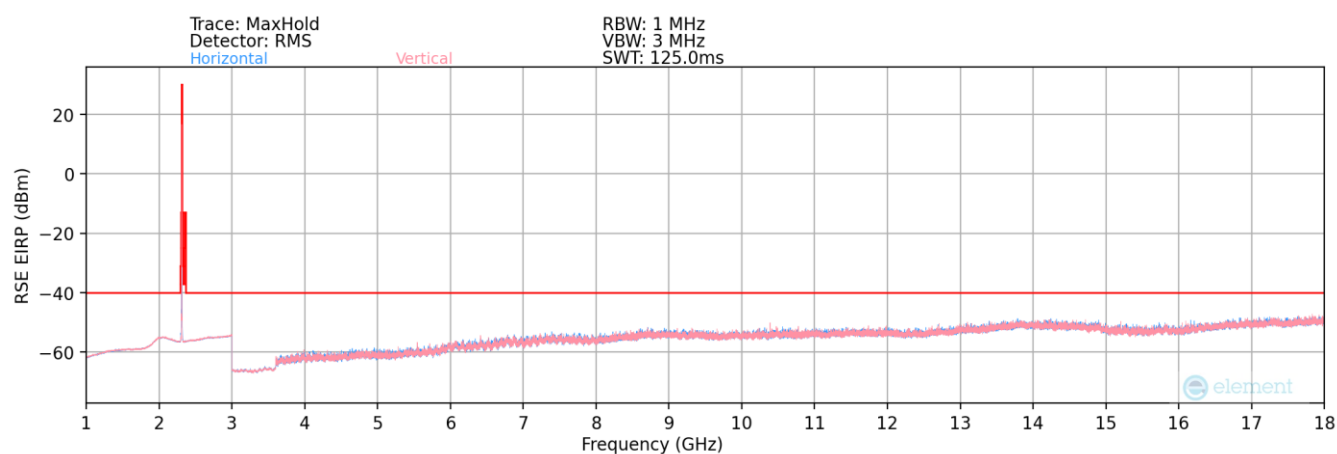
Table 6-21. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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NR Band n30



Plot 6-13. Radiated Spurious Plot Below 1GHz



Plot 6-14. Radiated Spurious Plot Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 32 of 46

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/26

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
670.00	H	-	-	-95.70	28.21	39.51	-57.89	-40.00	-17.89

Table 6-22. Radiated Spurious Data - Below 1GHz

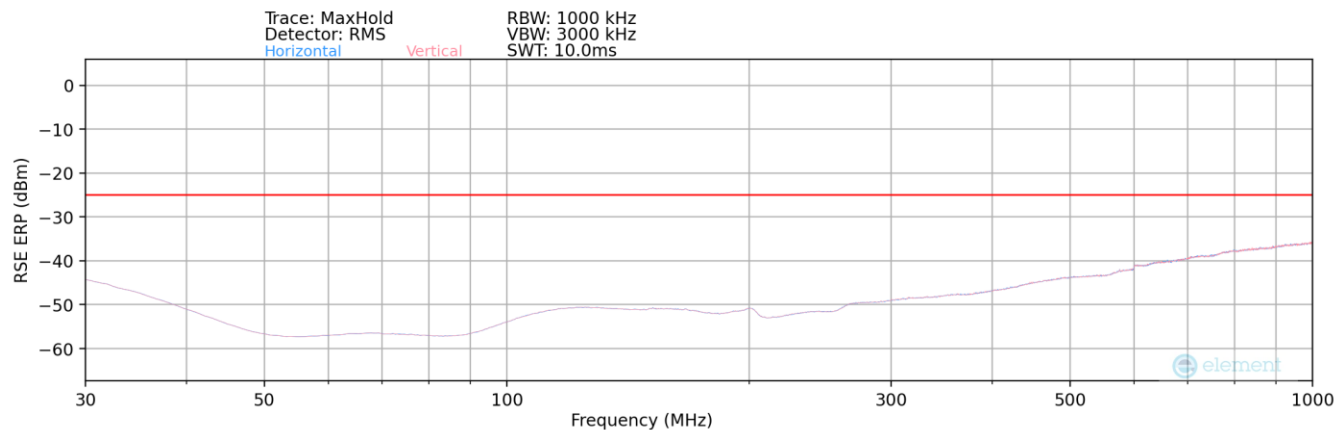
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	V	322	254	-78.52	2.48	30.96	-64.29	-40.00	-24.29
6930.00	V	-	-	-79.64	7.82	35.18	-60.07	-40.00	-20.07
9240.00	V	-	-	-80.21	10.39	37.18	-58.07	-40.00	-18.07
11550.00	V	-	-	-81.23	12.66	38.43	-56.83	-40.00	-16.83

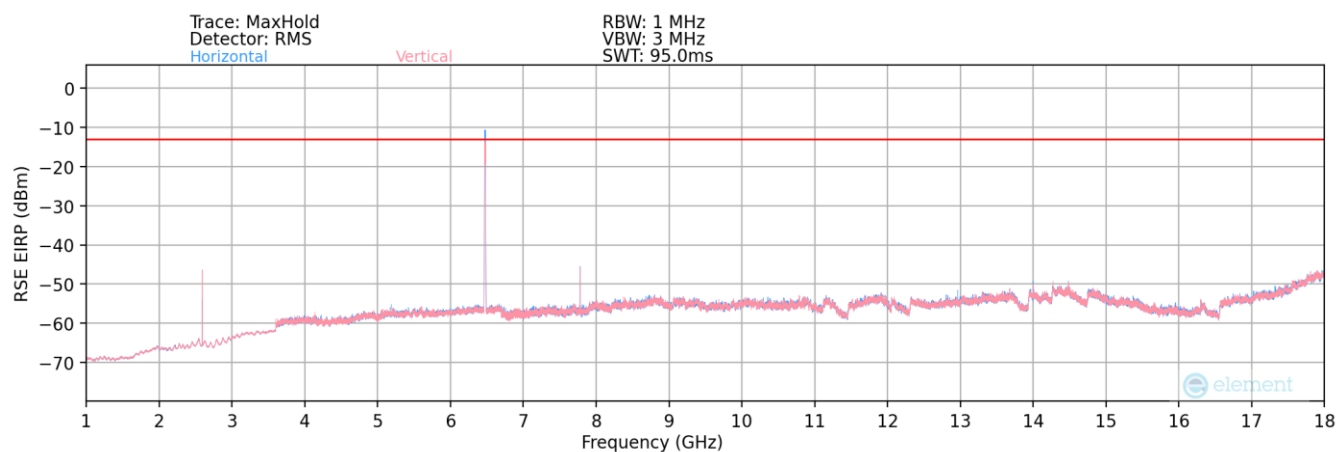
Table 6-23. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 33 of 46

UL-MIMO n41 + 6 GHz 802.11a MIMO Ch 105



Plot 6-15. Radiated Spurious Plot Below 1GHz



Plot 6-16. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-16, emission at 6475 MHz is not considered, this is the 6GHz Ch 105 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 34 of 46

Bandwidth (MHz):	100 (NR) + 20 (WiFi)
Frequency (MHz):	2593 + 6475
RB / Offset:	1 / 136
Mode:	Non-Stand Alone
Anchor Band:	UL-MIMO n41 + 6GHz LPI U6 (Ch. 105) MIMO a mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
152.80	H	-	-	-96.98	19.63	29.65	-67.76	-25.00	-42.76

Table 6-24. Radiated Spurious Data - Below 1GHz

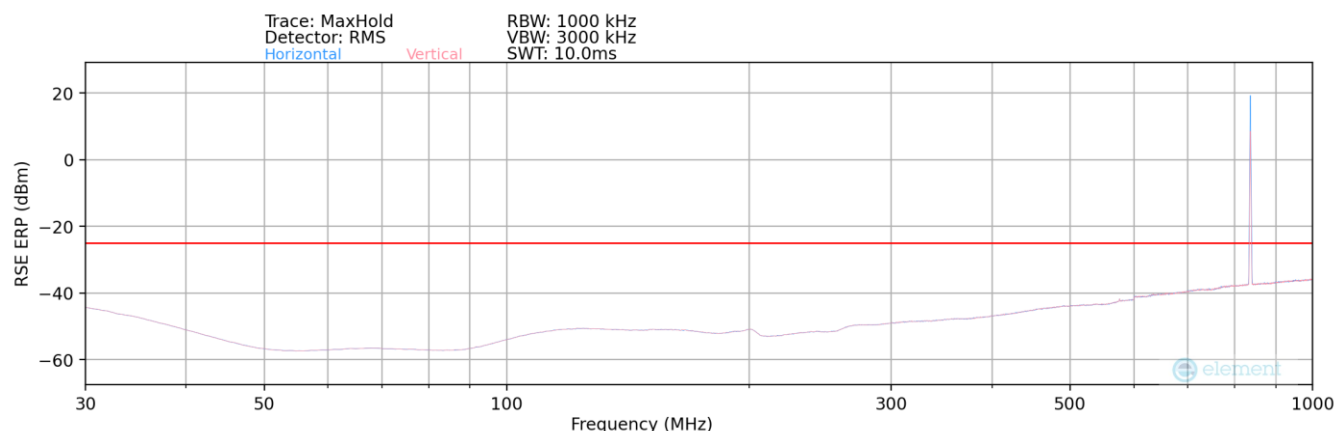
Bandwidth (MHz):	100 (NR) + 20 (WiFi)
Frequency (MHz):	2593 + 6475
RB / Offset:	1 / 136
Mode:	Non-Stand Alone
Anchor Band:	UL-MIMO n41 + 6GHz LPI U6 (Ch. 105) MIMO a mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7779.00	H	123	203	-57.07	4.91	54.84	-40.42	-25.00	-15.42
9068.00	H	-	-	-76.78	7.79	38.01	-57.25	-25.00	-32.25
11661.00	H	-	-	-77.98	9.76	38.78	-56.48	-25.00	-31.48
15543.00	H	-	-	-77.13	9.18	39.05	-56.20	-25.00	-31.20

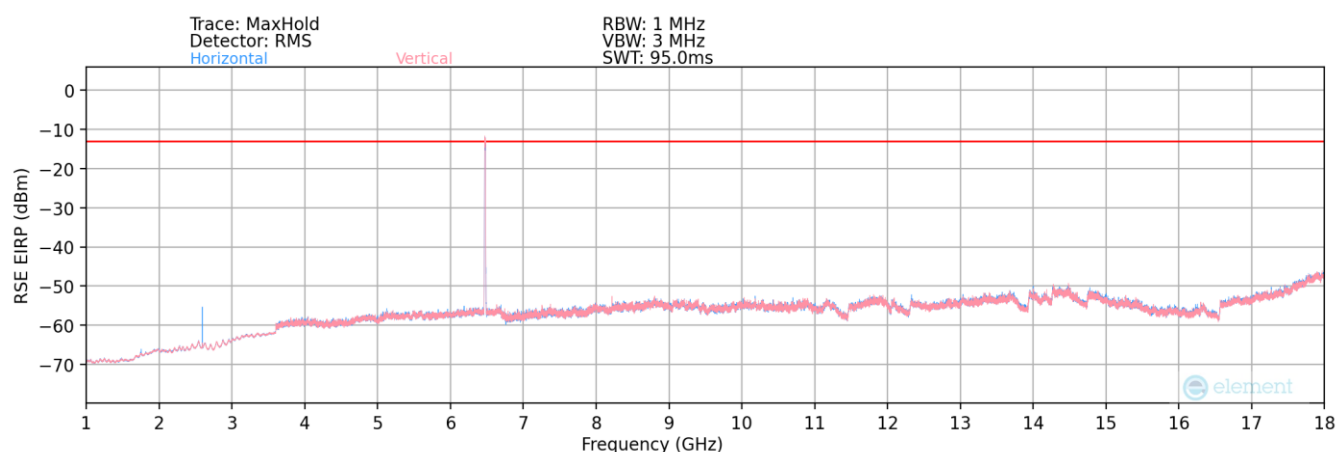
Table 6-25. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
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EN-DC NR n41 + B26 + 6 GHz 802.11a Ch 105



Plot 6-17. Radiated Spurious Plot Below 1GHz



Plot 6-18. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-17, emission at 836.5 MHz is not considered, this is the LTE B26 fundamental.

Per Plot 6-18, emission at 6475 MHz is not considered, this is the 6GHz Ch 105 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 36 of 46

Bandwidth (MHz):	100 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	2593 + 836.5 + 6475
RB / Offset:	1 / 136 (NR) + 1/50 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n41 + B26 + 6GHz U6 LPI MIMO a mode (Ch.105)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
148.50	H	-	-	-97.05	19.71	29.66	-67.75	-25.00	-42.75

Table 6-26. Radiated Spurious Data - Below 1GHz

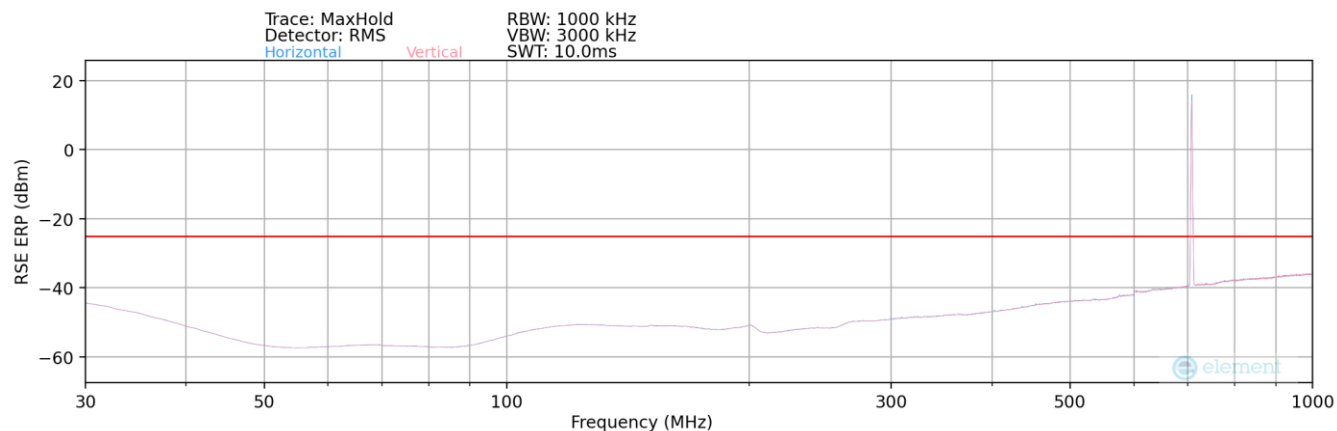
Bandwidth (MHz):	100 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	2593 + 836.5 + 6475
RB / Offset:	1 / 136 (NR) + 1/50 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n41 + B26 + 6GHz U6 LPI MIMO a mode (Ch.105)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4266.00	H	-	-	-74.31	-2.14	30.55	-64.71	-25.00	-39.71
7311.50	H	-	-	-75.92	4.58	35.66	-59.60	-25.00	-34.60
9068.00	H	-	-	-76.79	7.79	38.00	-57.26	-25.00	-32.26

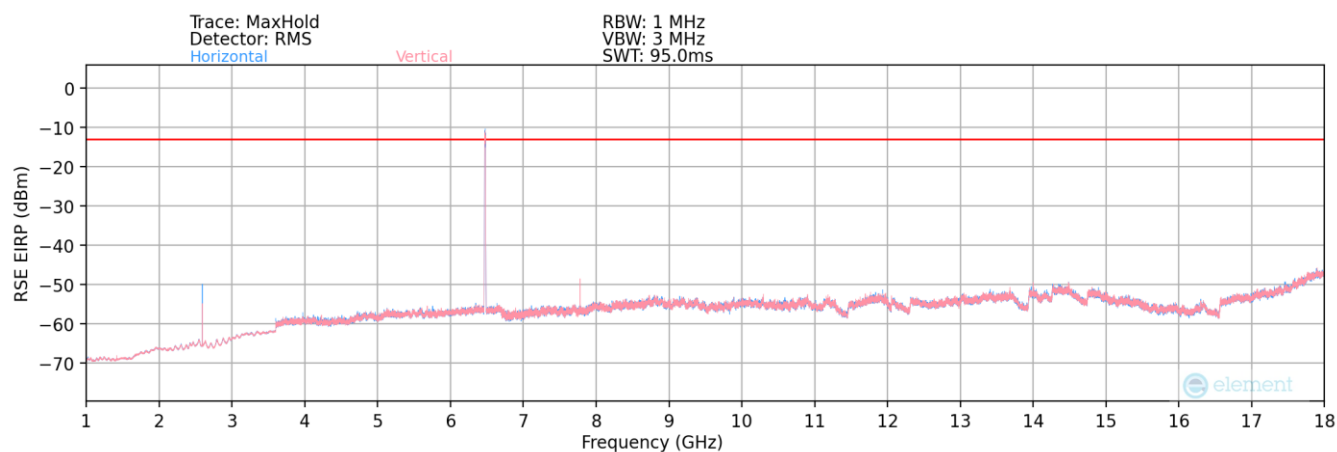
Table 6-27. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
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EN-DC NR n41 + B12 + 6 GHz 802.11a Ch 105



Plot 6-19. Radiated Spurious Plot Below 1GHz



Plot 6-20. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-19, emission at 707.5 MHz is not considered, this is the LTE B12 fundamental.

Per Plot 6-20, emission at 6475 MHz is not considered, this is the 6GHz Ch 105 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 38 of 46

Bandwidth (MHz):	100 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	2593 + 707.5 + 6475
RB / Offset:	1 / 136 (NR) + 1/50 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n41 + B12 + 6GHz U6 LPI MIMO a mode (Ch.105)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
147.30	V	-	-	-96.89	19.71	29.82	-67.59	-25.00	-42.59

Table 6-28. Radiated Spurious Data - Below 1GHz

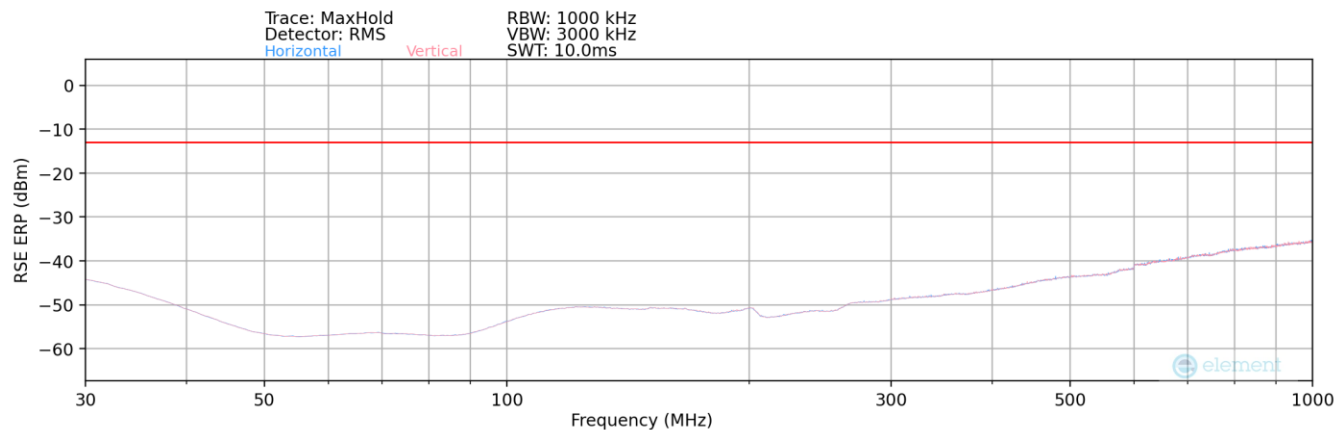
Bandwidth (MHz):	100 (NR) + 10 (LTE) + 20 (WiFi)
Frequency (MHz):	2593 + 707.5 + 6475
RB / Offset:	1 / 136 (NR) + 1/50 (LTE)
Mode:	Non-Stand Alone
Anchor Band:	n41 + B12 + 6GHz U6 LPI MIMO a mode (Ch.105)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7779.00	V	123	165	-64.24	4.91	47.67	-47.59	-25.00	-22.59
8942.00	V	-	-	-75.86	6.86	38.00	-57.25	-25.00	-32.25
9775.50	V	-	-	-76.91	7.94	38.03	-57.23	-25.00	-32.23
10483.00	V	-	-	-77.55	8.40	37.85	-57.40	-25.00	-32.40

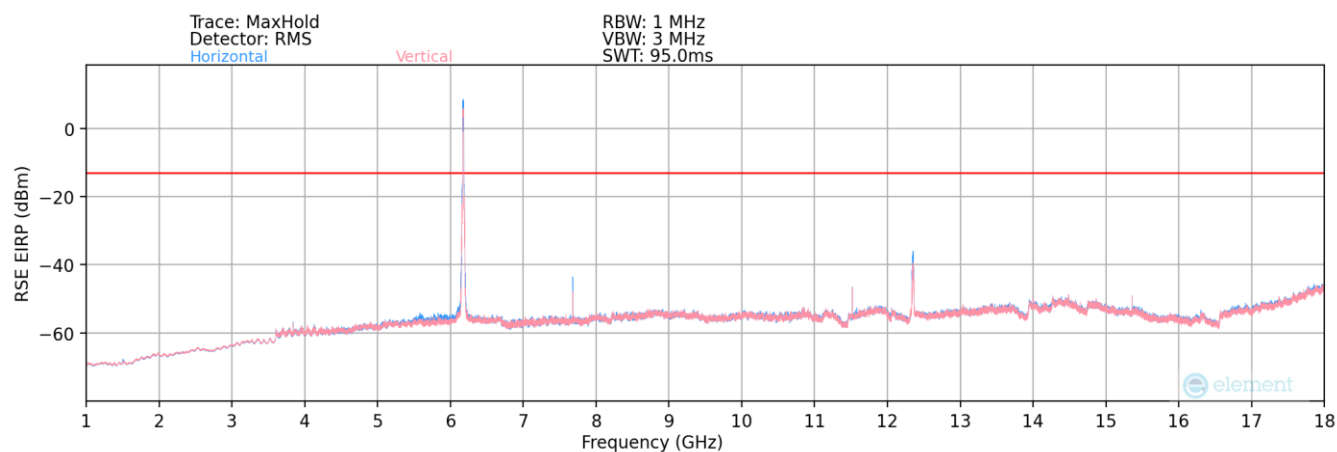
Table 6-29. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 39 of 46

UL-MIMO n77 + 6 GHz 802.11a SP MIMO Ch 45



Plot 6-21. Radiated Spurious Plot Below 1GHz



Plot 6-22. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-22, emission at 6175 MHz is not considered, this is the 6 GHz Ch 45 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 40 of 46

Bandwidth (MHz):	100 (NR) + 20 (LTE) + 20 (WiFi)
Frequency (MHz):	3840 + 6175
RB / Offset:	1/136
Mode:	Non-Stand Alone
Anchor Band:	UL-MIMO n77 + 6GHz U5 SP MIMO a mode (Ch.45)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
155.00	H	-	-	-96.05	19.62	30.57	-66.84	-13.00	-53.84

Table 6-30. Radiated Spurious Data - Below 1GHz

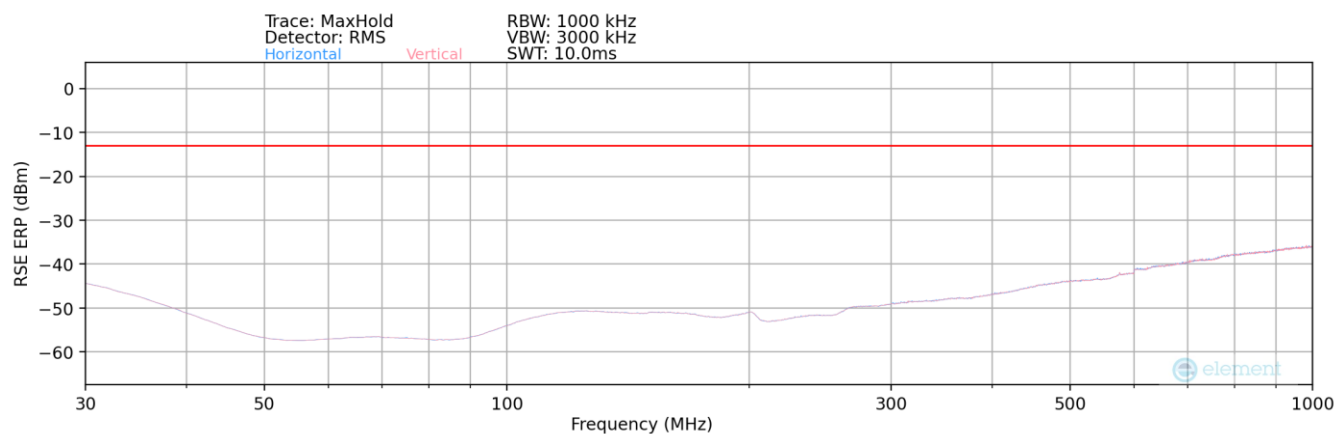
Bandwidth (MHz):	100 (NR) + 20 (LTE) + 20 (WiFi)
Frequency (MHz):	3840 + 6175
RB / Offset:	1/136
Mode:	Non-Stand Alone
Anchor Band:	UL-MIMO n77 + 6GHz U5 SP MIMO a mode (Ch.45)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	134	146	-59.33	4.81	52.48	-42.77	-13.00	-29.77
11520.00	H	105	91	-65.48	9.42	50.94	-44.32	-13.00	-31.32
12350.00	H	161	87	-49.17	9.38	67.21	-28.04	-13.00	-15.04
15360.00	H	217	70	-68.30	9.81	48.51	-56.29	-13.00	-43.29
16190.00	H	-	-	-77.72	8.78	38.06	-66.74	-13.00	-53.74
17695.00	H	-	-	-77.10	15.54	45.44	-59.36	-13.00	-46.36
18525.00	H	-	-	-86.88	1.20	21.33	-83.47	-13.00	-70.47

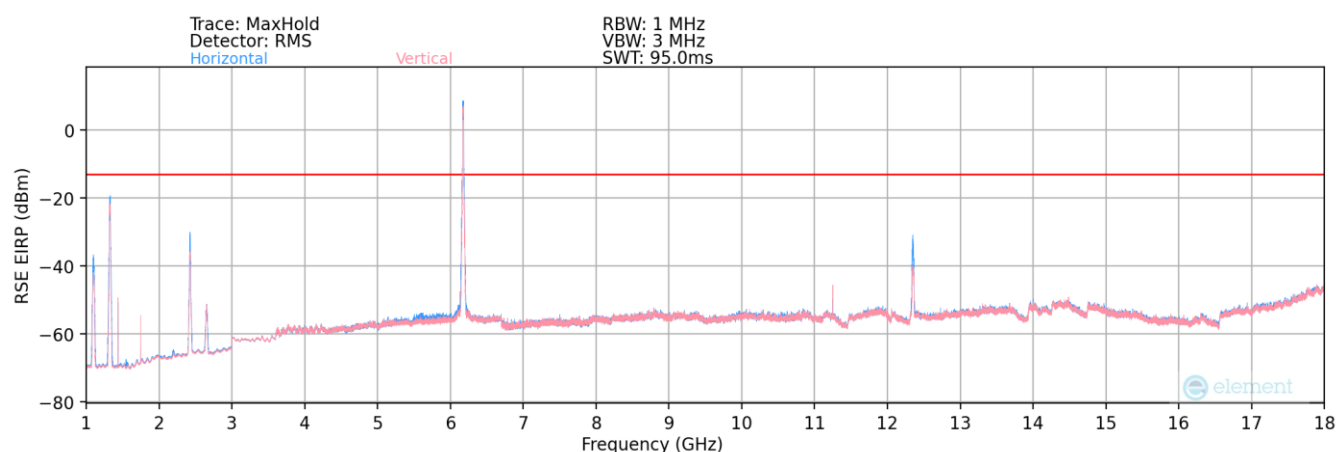
Table 6-31. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 41 of 46

EN-DC NR n77 + B66 + 6 GHz 802.11a SP MIMO Ch 45



Plot 6-23. Radiated Spurious Plot Below 1GHz



Plot 6-24. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-24, emission at 6175 MHz is not considered, this is the 6 GHz Ch 45 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 42 of 46

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Bandwidth (MHz):	100 (NR) + 20 (LTE) + 20 (WiFi)
Frequency (MHz):	3750 + 1745 + 6175
RB / Offset:	1/136 + 150
Mode:	Non-Stand Alone
Anchor Band:	n77 + B66 + 6GHz U5 SP MIMO a mode (Ch.45)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
152.20	H	-	-	-96.78	19.69	29.91	-67.50	-13.00	-54.50

Table 6-32. Radiated Spurious Data - Below 1GHz

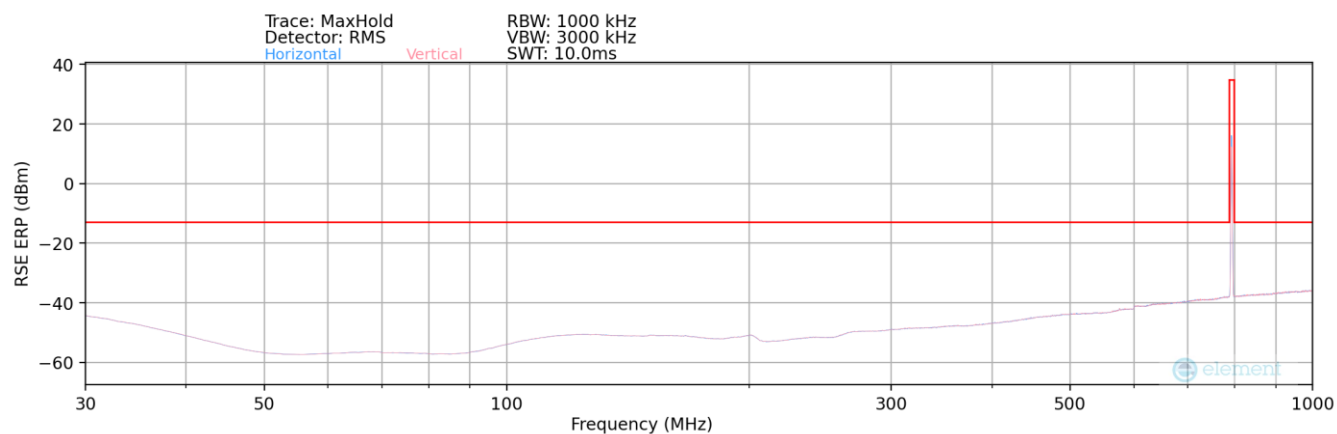
Bandwidth (MHz):	100 (NR) + 20 (LTE) + 20 (WiFi)
Frequency (MHz):	3750 + 1745 + 6175
RB / Offset:	1/136 + 150
Mode:	Non-Stand Alone
Anchor Band:	n77 + B66 + 6GHz U5 SP MIMO a mode (Ch.45)

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1100.00	H	127	87	-34.41	-10.27	62.32	-32.94	-13.00	-19.94
1325.00	H	129	89	-19.12	-9.43	78.45	-16.81	-13.00	-3.81
1435.00	V	139	350	-28.13	-8.66	70.21	-25.04	-13.00	-12.04
2425.00	H	134	85	-31.33	-6.16	69.51	-35.29	-13.00	-22.29
2650.00	H	133	79	-55.86	-5.78	45.36	-59.44	-13.00	-46.44
11250.00	V	139	210	-65.48	9.26	50.78	-54.02	-13.00	-41.02
12350.00	H	167	84	-48.52	9.38	67.86	-36.94	-13.00	-23.94
13415.00	H	-	-	-77.64	11.18	40.54	-64.26	-13.00	-51.26
14095.00	H	-	-	-77.71	12.61	41.90	-62.90	-13.00	-49.90
15420.00	H	-	-	-78.26	10.48	39.22	-65.58	-13.00	-52.58

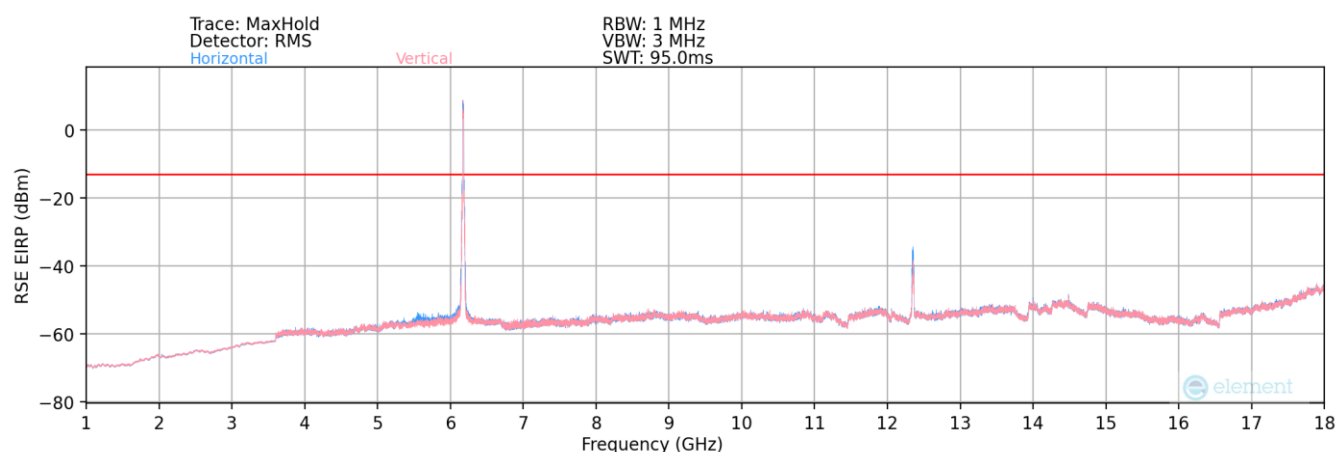
Table 6-33. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 43 of 46

EN-DC NR n14 + 6 GHz 802.11a SP MIMO Ch 45



Plot 6-25. Radiated Spurious Plot Below 1GHz



Plot 6-26. Radiated Spurious Plot Above 1GHz

Test Notes

Per Plot 6-26, emission at 6175 MHz is not considered, this is the 6 GHz Ch 45 fundamental.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 44 of 46

Bandwidth (MHz):	5 (NR) + 20 (WiFi)
Frequency (MHz):	793 + 6475
RB / Offset:	1/12
Mode:	Non-Stand Alone
Anchor Band:	n14 + 6GHz SP U5 (Ch. 45) MIMO a mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
152.00	H	-	-	-97.11	19.71	29.60	-67.81	-13.00	-54.81

Table 6-34. Radiated Spurious Data - Below 1GHz

Bandwidth (MHz):	5 (NR) + 20 (WiFi)
Frequency (MHz):	793 + 6475
RB / Offset:	1/12
Mode:	Non-Stand Alone
Anchor Band:	n14 + 6GHz SP U5 (Ch. 45) MIMO a mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
12350.00	H	182	84	-49.56	9.38	66.82	-28.43	-13.00	-15.43
14500.00	H	-	-	-77.26	12.94	42.68	-52.58	-13.00	-39.58
14729.00	H	-	-	-78.18	12.78	41.60	-53.66	-13.00	-40.66
16939.00	H	-	-	-76.85	11.77	41.92	-53.34	-13.00	-40.34

Table 6-35. Radiated Spurious Data - Above 1GHz

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Computing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K		This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.		Page 45 of 46

7.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Microsoft Corporation (WiFi module FCC ID: C3K00002101 and cellular module FCC ID: C3K2114) integrated into the host laptop (Model: 2150)** complies with the simultaneous transmission requirements of §2.947(f), Part 15, and Parts 22, 24, 27, and 90 of the FCC rules.

FCC ID: C3K2114		Test Dates: 4/27/2026 – 6/5/2026	EUT Type: Module Integrated into Portable Coomputing Device	Approved by: Technical Manager
Test Report S/N: 1M2603250028-05.C3K	 This report is blockchain verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the blockchain logo.			Page 46 of 46