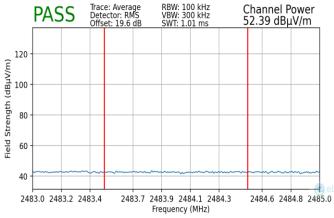
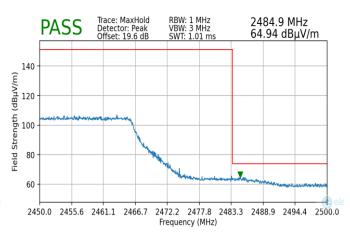


Worst Case Mode: 802.1
Worst Case Transfer Rate: 6Mbp
Distance of Measurements: 3 Met
Operating Frequency: 2447N
Channel: 8

802.11g
6Mbps
3 Meters
2447MHz
8



Plot 7-217. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



Plot 7-218. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

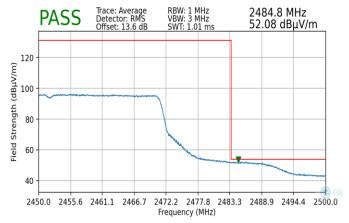
802.11ax

MCS0

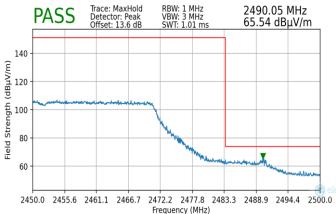
3 Meters

2452MHz

9



Plot 7-219. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



Plot 7-220. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

FCC ID: C3K2085 IC: 3048A-2085		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 120 of 144
1M2311170118-07.C3K	01/03/2024 - 03/18/2024	Portable Computing Device	Page 139 of 144

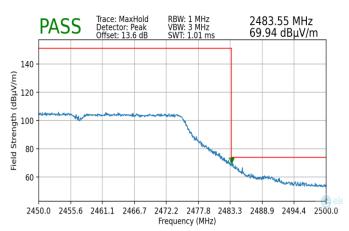


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax	
MCS0	
3 Meters	
2457MHz	
10	

		PA:	SS)	Trac Dete Offs	e: Avera ector: RN et: 19.6	ge 1S dB	RBW: 10 VBW: 30 SWT: 1.0	0 kHz			nnel P !6 dBµ		
	20 -													
Field Strength (dBµV/m)	00 -													
trength	80 -													
Field S	60 -													
	40 -			~~		~~~					~~) ele
	248	3.0 24	483.2	248	33.4	248		33.9 248 equency		34.3	248	4.6 248	34.8 248	5.0

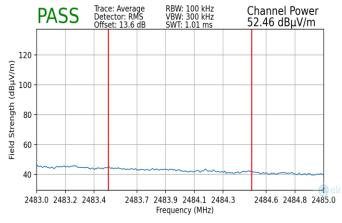
Plot 7-221. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



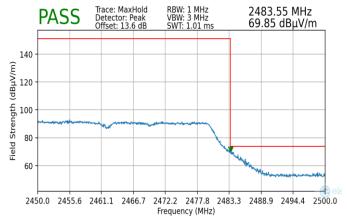
Plot 7-222. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
3 Meters
2462MHz
11



Plot 7-223. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



Plot 7-224. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

FCC ID: C3K2085 IC: 3048A-2085		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 140 of 144
1M2311170118-07.C3K	01/03/2024 - 03/18/2024	Portable Computing Device	Fage 140 01 144

© 2024 ELEMENT

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact or info@element.com



7.8 Line-Conducted Test Data

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below per §15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted I	Limit (dBμV)
(IVITIZ)	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-24. Conducted Limits

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the spurious emission of interest
- 2. RBW = 9kHz (for emissions from 150kHz 30MHz)
- 3. Detector = quasi-peak
- 4. Sweep time = auto couple
- 5. Trace mode = max hold
- 6. Trace was allowed to stabilize

Average Field Strength Measurements

- Analyzer center frequency was set to the frequency of the spurious emission of interest
- RBW = 9kHz (for emissions from 150kHz 30MHz)
- 3. Detector = RMS
- 4. Sweep time = auto couple
- 5. Trace mode = max hold
- 6. Trace was allowed to stabilize

FCC ID: C3K2085 IC: 3048A-2085		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 141 of 144
1M2311170118-07.C3K	01/03/2024 - 03/18/2024	Portable Computing Device	Fage 141 01 144

^{*}Decreases with the logarithm of the frequency.



Test Setup

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

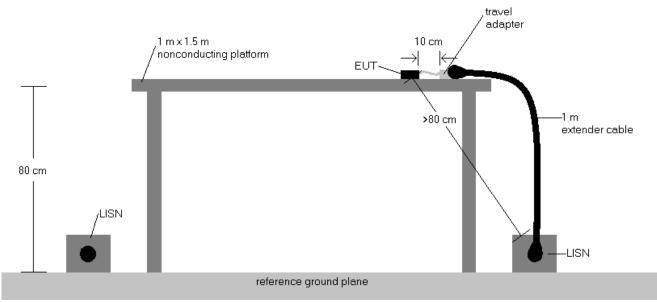


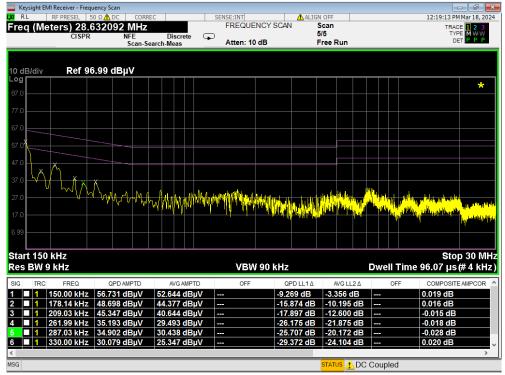
Figure 7-9. Test Instrument & Measurement Setup

Test Notes

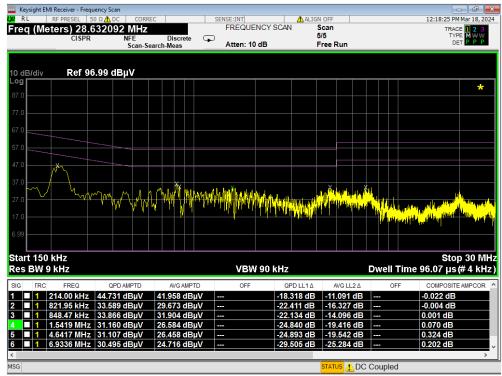
- All modes of operation were investigated and the worst-case emissions are reported using mid channel.
 The emissions found were not affected by the choice of channel used during testing.
- 2. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(8.8).
- 3. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- 4. QP\\AV Level (dB μ V) = QP\\AV Analyzer\\Receiver Level (dB μ V) + Corr. (dB)
- 5. Margin (dB) = QP\\AV Limit (dB μ V) QP\\AV Level (dB μ V)
- 6. Traces shown in plot are made using a peak detector.
- 7. Deviations to the Specifications: None.

FCC ID: C3K2085 IC: 3048A-2085		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 142 of 144
1M2311170118-07.C3K	01/03/2024 - 03/18/2024	Portable Computing Device	Fage 142 01 144





Plot 7-225. Line Conducted Plot with 802.11b (L1)



Plot 7-226. Line Conducted Plot with 802.11b (N)

FCC ID: C3K2085 IC: 3048A-2085		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 143 of 144
1M2311170118-07.C3K	01/03/2024 - 03/18/2024	Portable Computing Device	Fage 143 01 144

© 2024 ELEMENT V11.1 08/28/2023



8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Microsoft Corporation Portable Computing Device FCC ID: C3K2085 / IC: 3048A-2085** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and with RSS-247 of the Innovation, Science and Economic Development Canada rules.

FCC ID: C3K2085 IC: 3048A-2085		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 144 of 144
1M2311170118-07.C3K	01/03/2024 - 03/18/2024	Portable Computing Device	Page 144 01 144