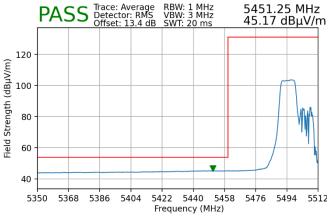


RU Index:

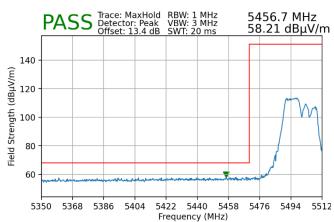
Distance of Measurements: Operating Frequency:

Channel:

802.11be	
MCS0	
53	
3 Meters	
5500MHz	
100	



Plot 7-199. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 2C - 106 Tones)



Plot 7-200. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 2C - 106 Tones)

Worst Case Mode: 802.11be Worst Case Transfer Rate: MCS0 RU Index: 54 Distance of Measurements: 3 Meters Operating Frequency: 5825MHz Channel: 165



Plot 7-201. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 3 - 106 Tones)

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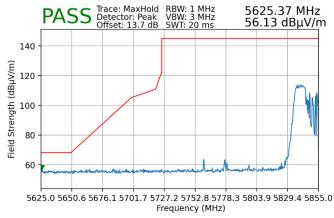
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Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11be
MCS0

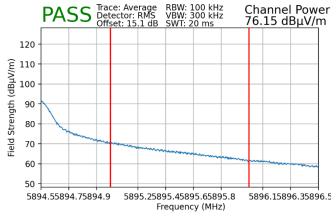
3 Meters
53
5845MHz
169



Plot 7-202. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 106 Tones)

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

802.11be
MCS0
54
3 Meters
7885MHz
177



Plot 7-203. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 106 Tones)



Plot 7-204. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 106 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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7.6.4 MIMO Radiated Band Edge Measurements (20MHz BW - Full Tone - 242T)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

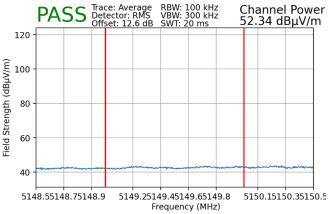
MCS0

61

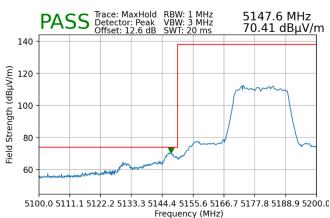
3 Meters

5180MHz

36



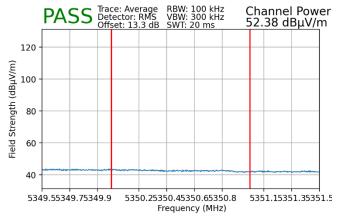
Plot 7-205. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)



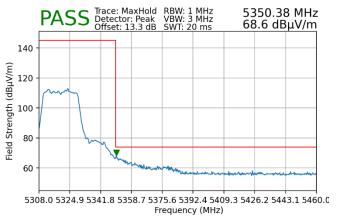
Plot 7-206. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)

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

802.11be
MCS0
61
3 Meters
5320MHz
64



Plot 7-207. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)



Plot 7-208. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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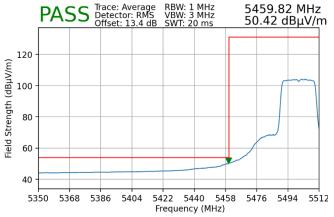


RU Index:

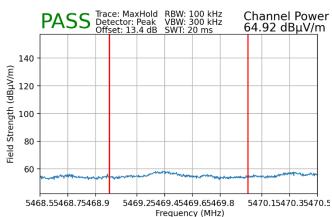
Distance of Measurements: Operating Frequency:

Channel:

802.11be	
MCS0	
61	
3 Meters	
5500MHz	
100	

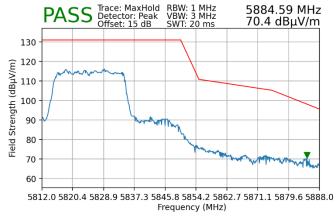


Plot 7-209. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 242 Tones)



Plot 7-210. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 242 Tones)

Worst Case Mode: 802.11be
Worst Case Transfer Rate: MCS0
RU Index: 61
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165



Plot 7-211. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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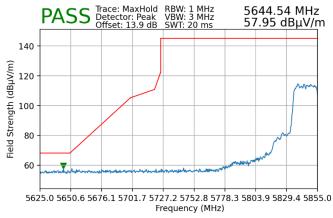
D24 ELEMENT

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

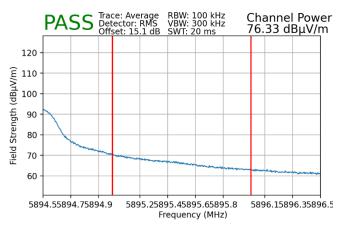
802.11be
MCS0
61
3 Meters
5845MHz
169



Plot 7-212. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 242 Tones)

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

802.11be
MCS0
61
3 Meters
5885MHz
177



Plot 7-213. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 242 Tones)



Plot 7-214. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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7.6.5 MIMO Radiated Band Edge Measurements (40MHz BW – Full Tone – 484T)

140

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

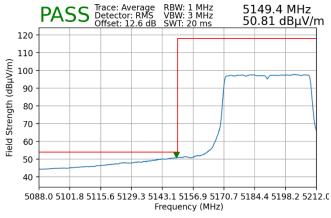
MCS0

65

3 Meters

5190MHz

38



120 40 5088.0 5102.1 5116.2 5130.3 5144.4 5158.6 5172.7 5186.8 5200.9 5215.0 Frequency (MHz)

5143.16 MHz

68.22 dBµV/m

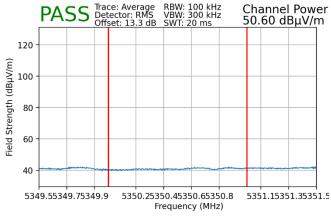
PASS Trace: MaxHold RBW: 1 MHz Detector: Peak Offset: 12.6 dB SWT: 20 ms

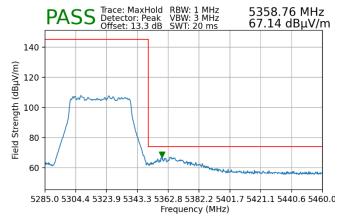
Plot 7-215. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)

Plot 7-216. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)

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

802.11be
MCS0
65
3 Meters
5310MHz
62





Plot 7-217. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)

Plot 7-218. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

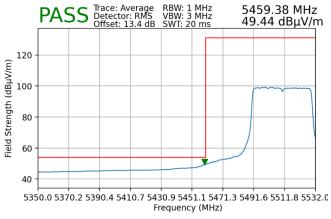
MCS0

65

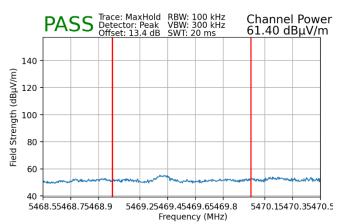
3 Meters

5510MHz

102



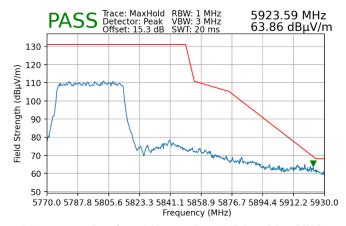
Plot 7-219. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)



Plot 7-220. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 Tones)

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

802.11be
MCS0
65
3 Meters
5795MHz
159



Plot 7-221. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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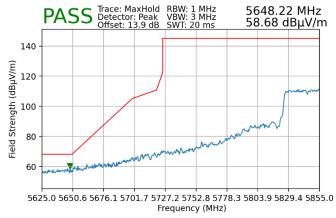


Channel:

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:

802.11be
MCS0
65
3 Meters
5835MHz

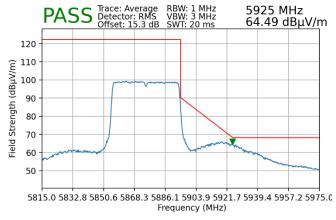
167



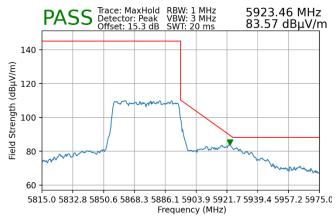
Plot 7-222. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

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

802.11be
MCS0
65
3 Meters
5875MHz
175



Plot 7-223. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 484 Tones)



Plot 7-224. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW - Partial Tones - 484 + 242T)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

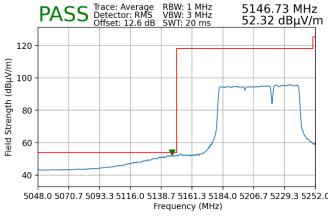
MCS0

93

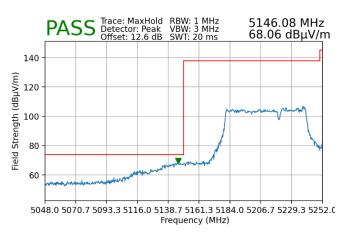
3 Meters

5210MHz

42



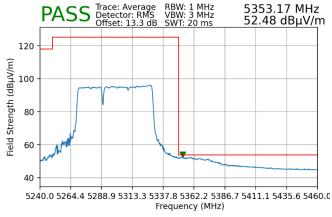
Plot 7-225. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 + 242 Tones)



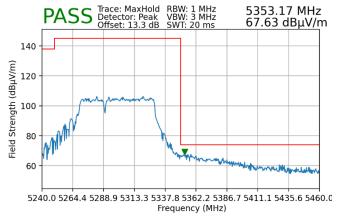
Plot 7-226. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 + 242 Tones)

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

802.11be
MCS0
90
3 Meters
5290MHz
58



Plot 7-227. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 + 242 Tones)



Plot 7-228. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 + 242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT			
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Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

MCS0

93

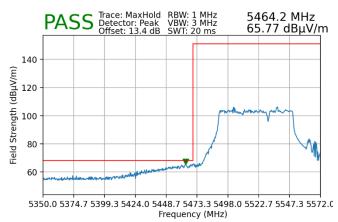
3 Meters

5530MHz

106

		PA	PASS Detector: RMS		RBW: 100 kHz VBW: 300 kHz SWT: 20 ms			Channel Power 52.45 dBµV/m			er n		
	120 -												
dBμV	100 -												
Field Strength (dBµV/m)	80 -												
Field 9	60 -												
	40 -				~			~~~					
	545	8.5545	8.754!	58.9	545		59.4545 equenc			546	0.1546	0.3546	0.5

Plot 7-229. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 + 242 Tones)



Plot 7-230. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 + 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

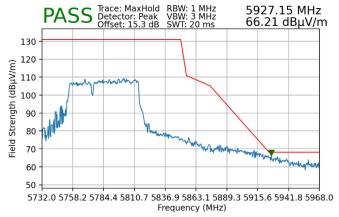
MCS0

90

3 Meters

5775MHz

155



Plot 7-231. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 + 242 Tones)

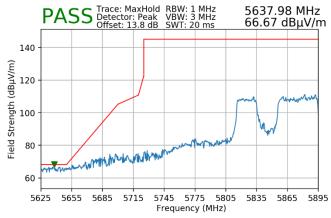
FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11be
Worst Case Transfer Rate: MCS0
RU Index: 91
Distance of Measurements: 3 Meters

Operating Frequency:
Channel:

5855MHz 171



Plot 7-232. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 484 + 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

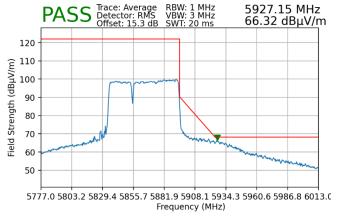
MCS0

90

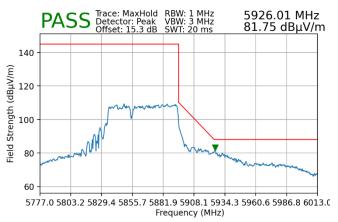
3 Meters

5855MHz

171



Plot 7-233. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 484 + 242 Tones)



Plot 7-234. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 484 + 242 Tones)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.7 MIMO Radiated Band Edge Measurements (80MHz BW – Full Tone – 996T)

140

120

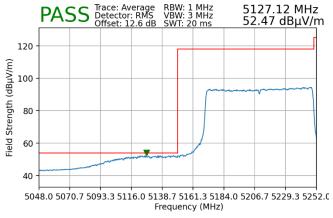
100

80

60

Field Strength (dBµV/m)

Worst Case Mode: 802.11be Worst Case Transfer Rate: MCS0 RU Index: 67 Distance of Measurements: 3 Meters 5210MHz Operating Frequency: Channel: 42



5048.0 5070.7 5093.3 5116.0 5138.7 5161.3 5184.0 5206.7 5229.3 5252.0 Frequency (MHz) Plot 7-236. Radiated Lower Band Edge Plot MIMO

(Peak - UNII Band 1 - 996 Tones)

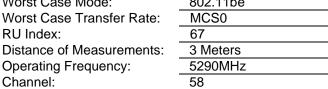
PASS Trace: MaxHold RBW: 1 MHz
Detector: Peak VBW: 3 MHz
Offset: 12.6 dB SWT: 20 ms

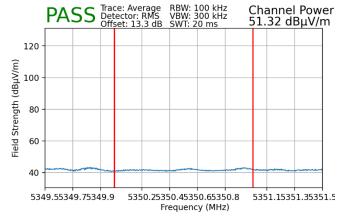
5149.67 MHz

71.66 dBμV/m

Plot 7-235. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

Worst Case Mode: 802.11be Worst Case Transfer Rate: MCS0 RU Index: 67 Distance of Measurements: 3 Meters Operating Frequency: 5290MHz





Plot 7-237. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 2A - 996 Tones)

PASS	Trace: MaxHold Detector: Peak Offset: 13.2 dB	RBW: 1 MHz VBW: 3 MHz SWT: 20 ms	5383.14 MHz 67.82 dBμV/m
140			
(m//hgb)			
Field Strength (dBµV/m)		1	
60		maryangu m	and make the property of
5240.0 5264.4 5		37.8 5362.2 5386 requency (MHz)	.7 5411.1 5435.6 5460.0

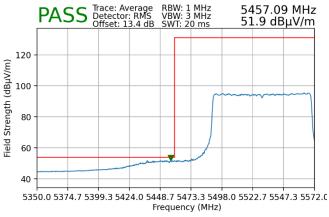
Plot 7-238. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 2A - 996 Tones)

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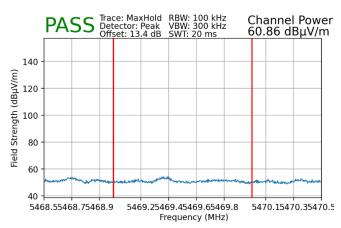


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11be
MCS0
67
3 Meters
5530MHz
106



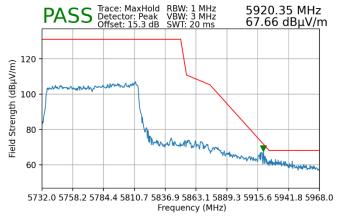
Plot 7-239. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-240. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

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

802.11be
MCS0
67
3 Meters
5775MHz
155



Plot 7-241. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
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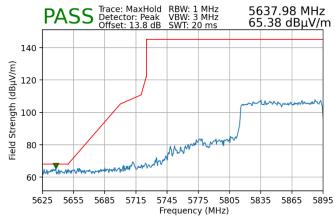


RU Index:

Distance of Measurements: Operating Frequency:

Channel:

802.11be	
MCS0	
67	
3 Meters	
5855MHz	
171	



Plot 7-242. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

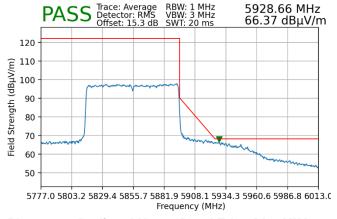
Worst Case Mode: Worst Case Transfer Rate:

RU Index:

Distance of Measurements: Operating Frequency:

Channel:

802.11be MCS0 67 3 Meters 5855MHz 171



Plot 7-243. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 996 Tones)



Plot 7-244. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

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7.6.8 MIMO Radiated Band Edge Measurements (160MHz BW - Partial Tones - 996 + 484T)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

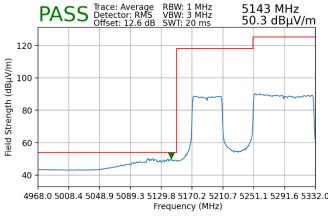
MCS0

95

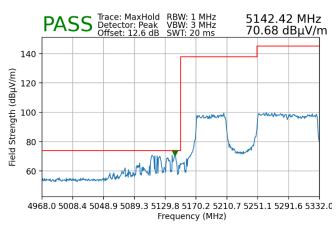
3 Meters

5250MHz

50



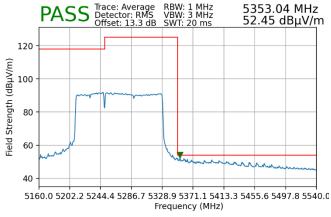
Plot 7-245. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996+484 Tones)



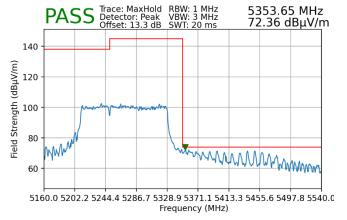
Plot 7-246. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996+484 Tones)

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

802.11be
MCS0
94
3 Meters
5250MHz
50



Plot 7-247. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996+484 Tones)



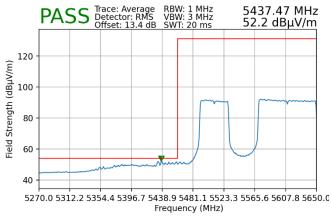
Plot 7-248. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996+484 Tones)

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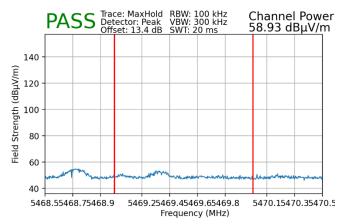


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11be
MCS0
95
3 Meters
5570MHz
114



Plot 7-249. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996+484 Tones)



Plot 7-250. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996+484 Tones)

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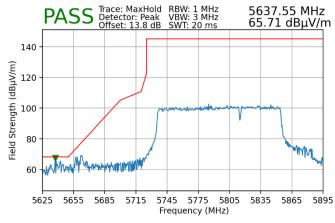


RU Index:

Distance of Measurements: Operating Frequency:

Channel:

802.11be	
MCS0	
95	
3 Meters	
5815MHz	
163	



Plot 7-251. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996+484 Tones)

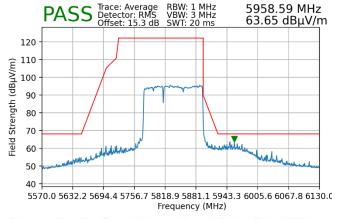
Worst Case Mode: Worst Case Transfer Rate:

RU Index:

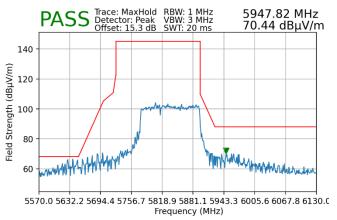
Distance of Measurements: Operating Frequency:

Channel:

802.11be MCS0 94 3 Meters 5815MHz 163



Plot 7-252. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 996+484 Tones)



Plot 7-253. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996+484 Tones)

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7.6.9 MIMO Radiated Band Edge Measurements (160MHz BW - Full Tone - 2x996T)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

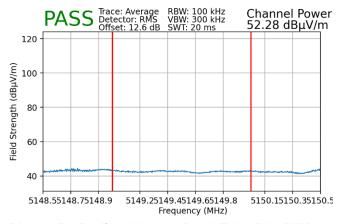
MCS0

68

3 Meters

5250MHz

50



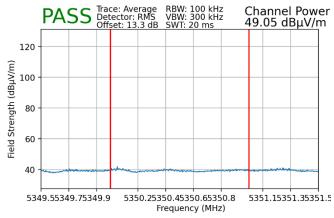
PASS Trace: MaxHold Detector: Peak Offset: 12.6 dB SWI: 300 kHz SWI: 20 ms 61.74 dBμV/m

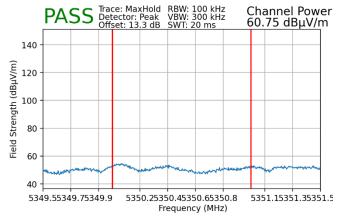
Plot 7-254. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)

Plot 7-255. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)

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

802.11be
MCS0
68
3 Meters
5250MHz
50





Plot 7-256. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 2x996 Tones)

Plot 7-257. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)

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Channel:

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

802.11be

MCS0

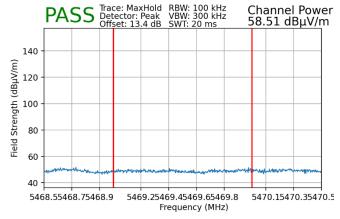
68

3 Meters

5570MHz

114

PASS Trace: Average Detector: RMS Offset: 13.4 dB SW: 1 MHz SWT: 20 ms S1.42 dBμV/m S1.42 dBμV/



Plot 7-258. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 2x996 Tones)

Frequency (MHz)

Plot 7-259. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 2x996 Tones)

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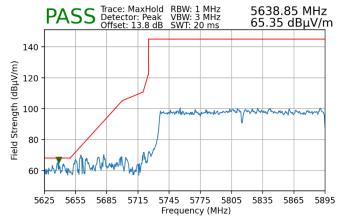


RU Index:

Distance of Measurements: Operating Frequency:

Channel:

802.11be MCS0 68 3 Meters 5815MHz 163



Plot 7-260. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 2x996 Tones)

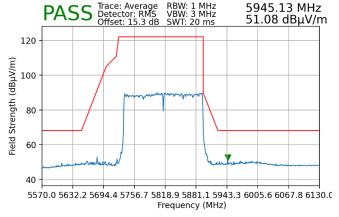
Worst Case Mode: Worst Case Transfer Rate:

RU Index:

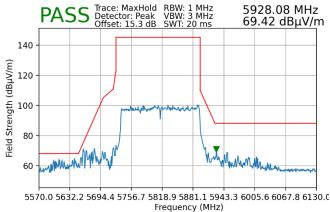
Distance of Measurements: Operating Frequency:

Channel:

802.11be MCS0 68 3 Meters 5815MHz 163



Plot 7-261. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 2x996 Tones)



Plot 7-262. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 2x996 Tones)

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Microsoft Corporation Portable Computing Device FCC ID: C3K2077** is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

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