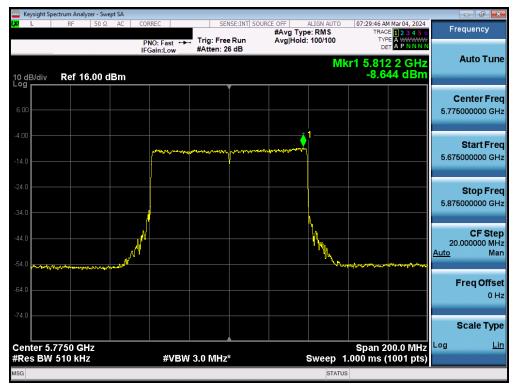


Plot 7-103. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be - 484 Tones (UNII Band 3) - Ch. 151)



Plot 7-104. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 996 Tones (UNII Band 3) - Ch. 155)

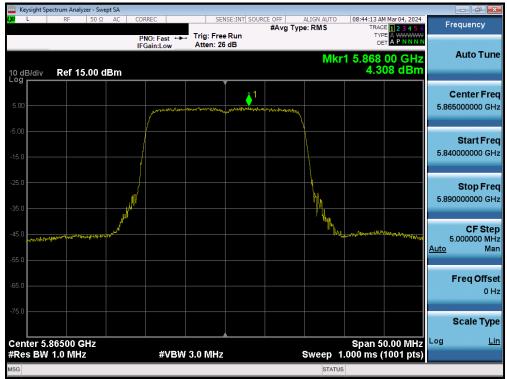
FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 70 of 161	
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 79 of 161	
© 2024 ELEMENT			V 44 0 07/00/2022	

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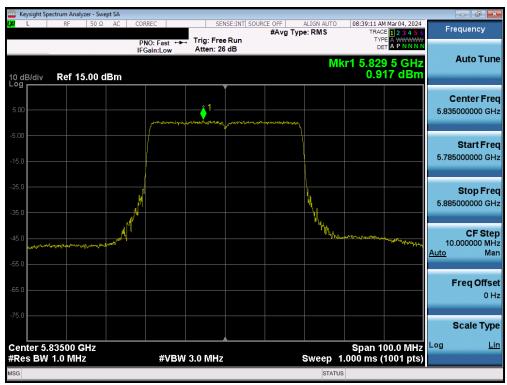
V 11.0 07/06/2023

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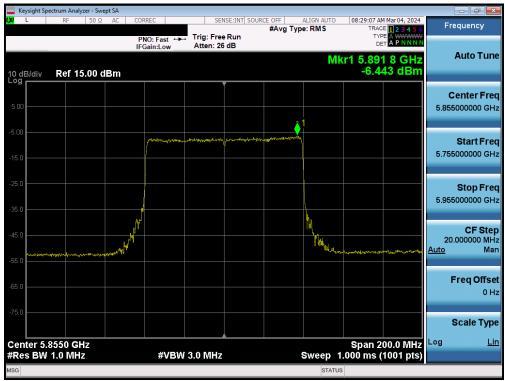
Plot 7-105. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 242 Tones (UNII Band 4) - Ch. 173)



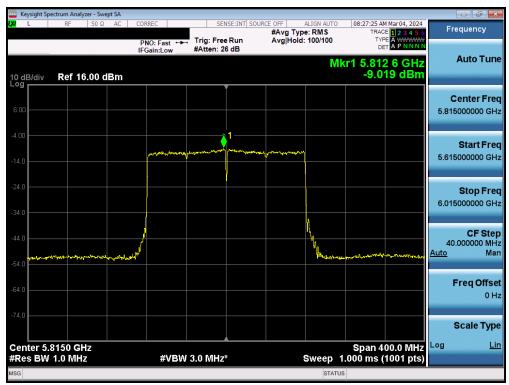
Plot 7-106. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11be - 484 Tones (UNII Band 3/4) - Ch. 167)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 90 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 80 of 161





Plot 7-107. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 996 Tones (UNII Band 3/4) - Ch. 171)

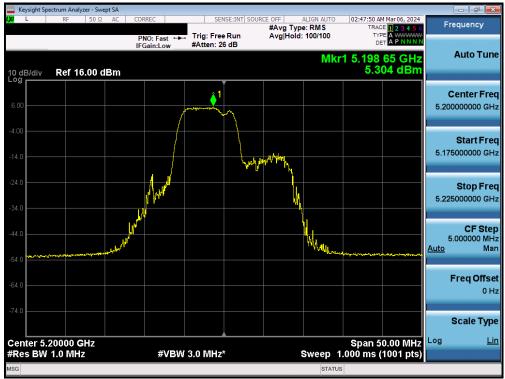


Plot 7-108. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be - 996*2 Tones (UNII Band 3/4) - Ch. 163)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 04 of 464
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 81 of 161
© 2024 ELEMENT			V 44 0 07/00/2022

V 11.0 07/06/2023





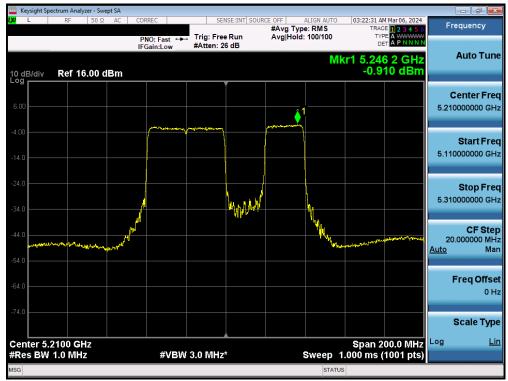
Plot 7-109. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 52+26 Tones (UNII Band 1) - Ch. 40)



Plot 7-110. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 106+26 Tones (UNII Band 1) - Ch. 40)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 92 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 82 of 161





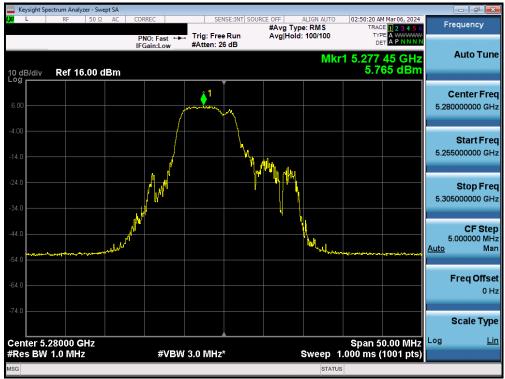
Plot 7-111. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 484+242Tones (UNII Band 1) - Ch. 42)



Plot 7-112. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be – 996+484 Tones (UNII Band 1/2A) – Ch. 50)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 92 of 464
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 83 of 161
© 2024 ELEMENT			V 44 0 07/00/2022





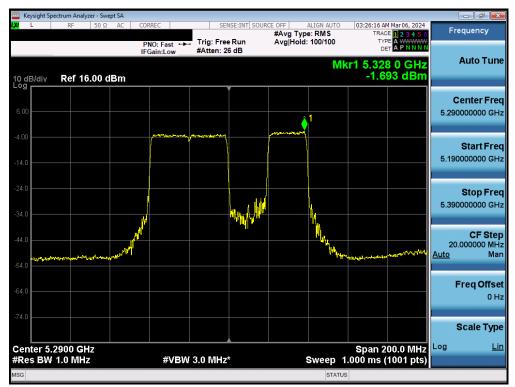
Plot 7-113. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 52+26 Tones (UNII Band 2A) - Ch. 56)



Plot 7-114. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 106+26 Tones (UNII Band 2A) - Ch. 56)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 84 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage o4 of 101





Plot 7-115. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 484+242Tones (UNII Band 2A) - Ch. 58)



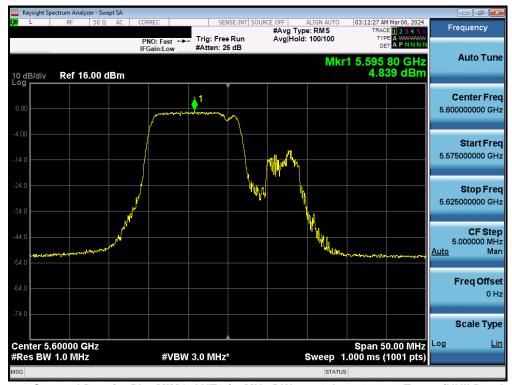
Plot 7-116. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 52+26 Tones (UNII Band 2C) - Ch. 120)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 95 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 85 of 161

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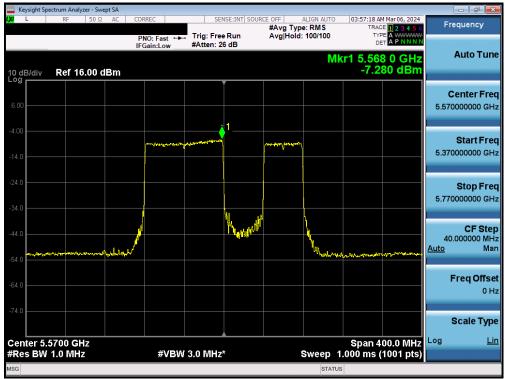
Plot 7-117. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 106+26 Tones (UNII Band 2C) - Ch. 120)



Plot 7-118. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 484+242Tones (UNII Band 2C) - Ch. 122)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 86 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage of or 161





Plot 7-119. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be - 996+484 Tones (UNII Band 2C) - Ch. 114)



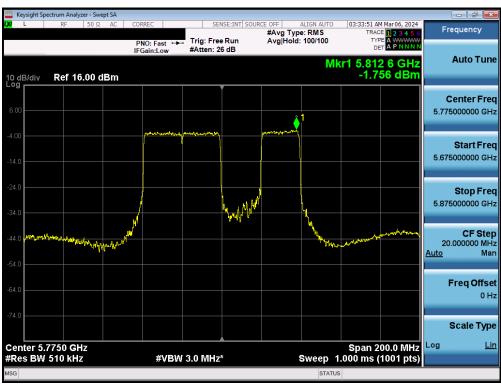
Plot 7-120. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 52+26 Tones (UNII Band 3) - Ch. 157)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 97 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 87 of 161





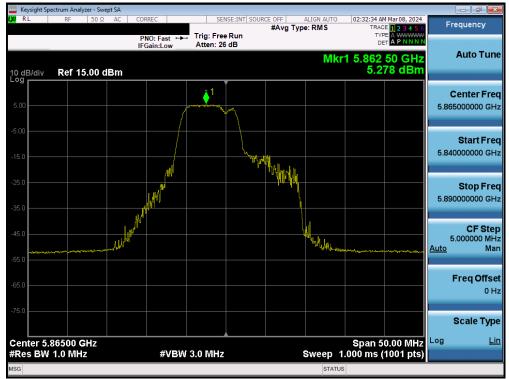
Plot 7-121. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 106+26 Tones (UNII Band 3) - Ch. 157)



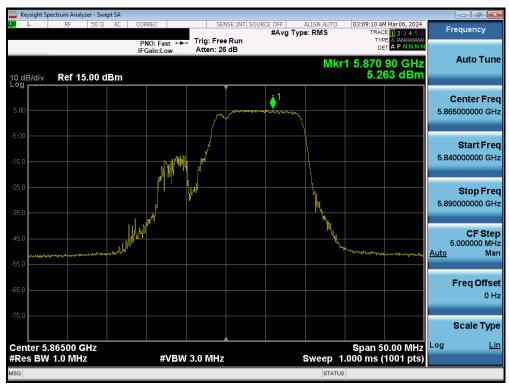
Plot 7-122. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 484+242Tones (UNII Band 3) - Ch. 155)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 88 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage oo oi 101





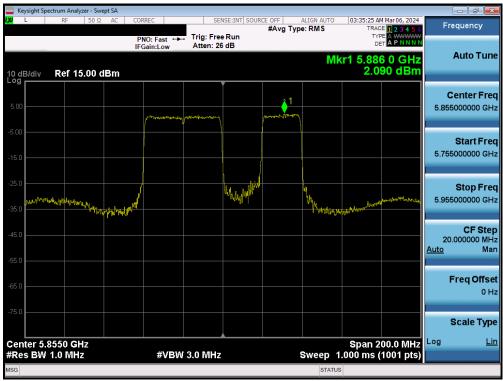
Plot 7-123. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 52+26 Tones (UNII Band 4) - Ch. 173)



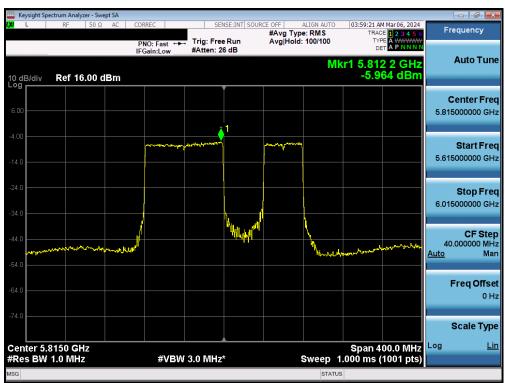
Plot 7-124. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11be - 106+26 Tones (UNII Band 4) - Ch. 173)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 90 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 89 of 161





Plot 7-125. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11be - 484+242Tones (UNII Band 3/4) - Ch. 171)



Plot 7-126. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11be - 996+484 Tones (UNII Band 3/4) - Ch. 163)

FCC ID: C3K2077		MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	EUT Type:	Daga 00 of 161	
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 90 of 161	
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7.5.2 MIMO Antenna-2 Power Spectral Density Measurements



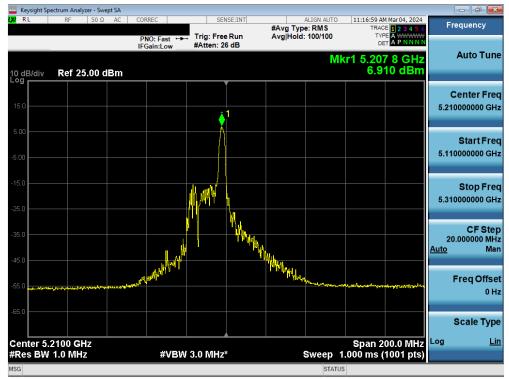
Plot 7-127. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 26 Tones (UNII Band 1) - Ch. 40)



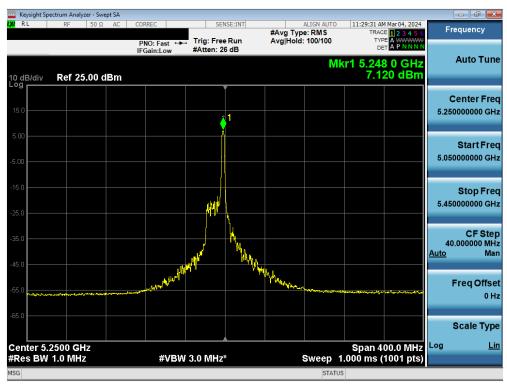
Plot 7-128. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 26 Tones (UNII Band 1) - Ch. 38)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 04 of 464
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 91 of 161
© 2024 ELEMENT	V 44 0 07/00/2022		





Plot 7-129. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 26 Tones (UNII Band 1) - Ch. 42)



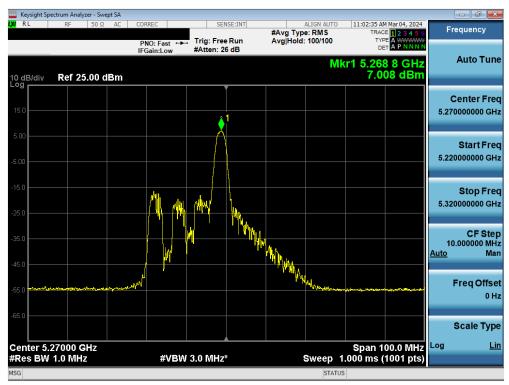
Plot 7-130. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 26 Tones (UNII Band 1/2A) - Ch. 50)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 02 of 464
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 92 of 161
© 2024 ELEMENT	•	•	V 11.0 07/06/2023





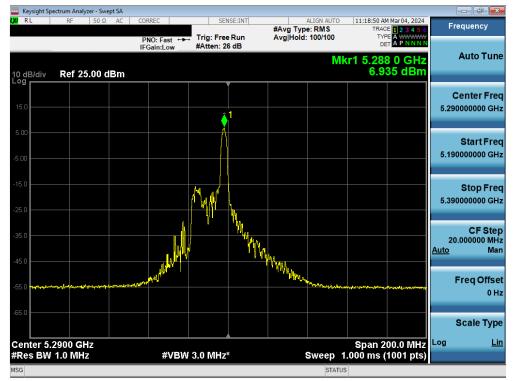
Plot 7-131. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 26 Tones (UNII Band 2A) - Ch. 56)



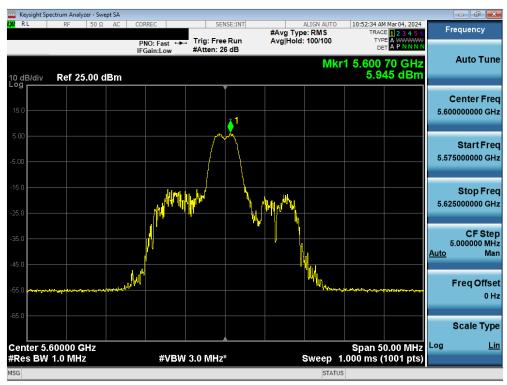
Plot 7-132. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 26 Tones (UNII Band 2A) - Ch. 54)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 02 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 93 of 161





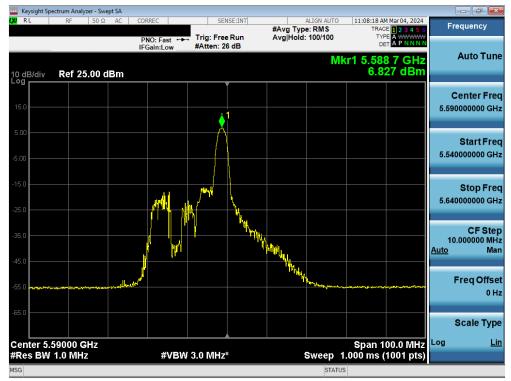
Plot 7-133. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 26 Tones (UNII Band 2A) - Ch. 58)



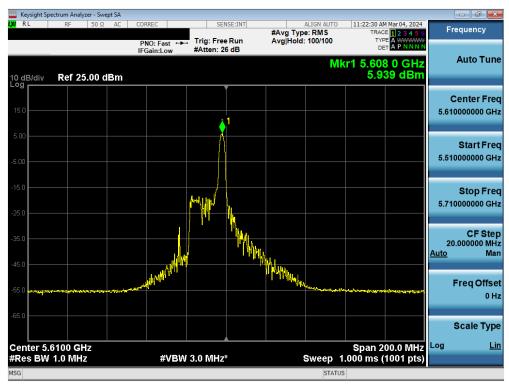
Plot 7-134. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 26 Tones (UNII Band 2C) - Ch. 120)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 04 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 94 of 161





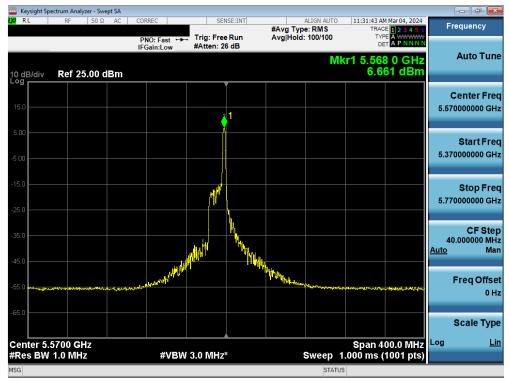
Plot 7-135. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 26 Tones (UNII Band 2C) - Ch. 118)



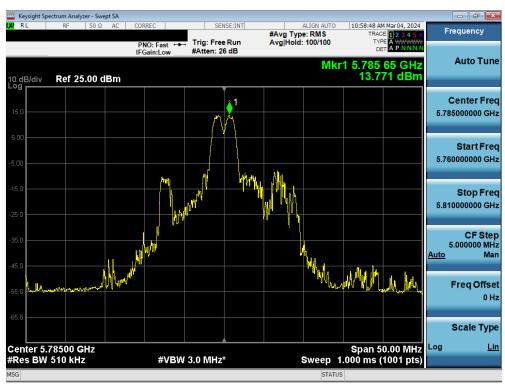
Plot 7-136. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 26 Tones (UNII Band 2C) - Ch. 122)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 05 of 101
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 95 of 161
© 2024 ELEMENT			V 11.0 07/06/2023





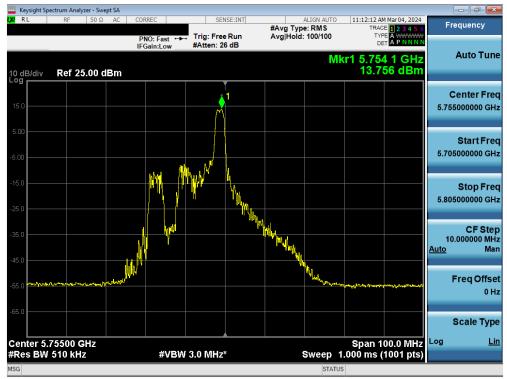
Plot 7-137. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 26 Tones (UNII Band 2C) - Ch. 114)



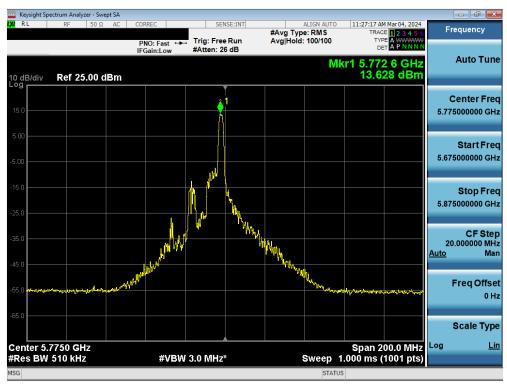
Plot 7-138. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 26 Tones (UNII Band 3) - Ch. 157)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 06 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 96 of 161





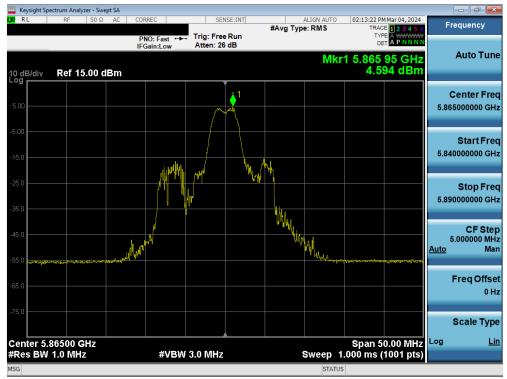
Plot 7-139. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 26 Tones (UNII Band 3) - Ch. 151)



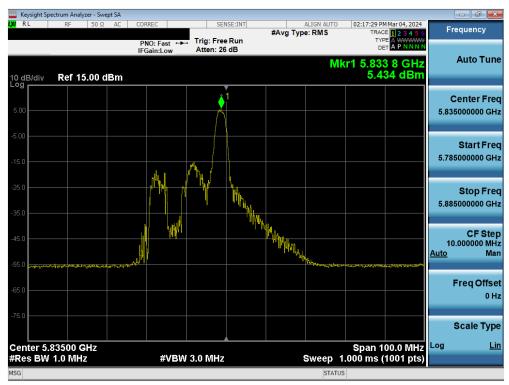
Plot 7-140. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 26 Tones (UNII Band 3) - Ch. 155)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 07 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 97 of 161





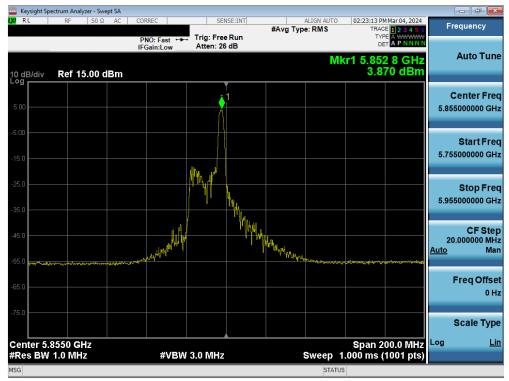
Plot 7-141. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 26 Tones (UNII Band 4) - Ch. 173)



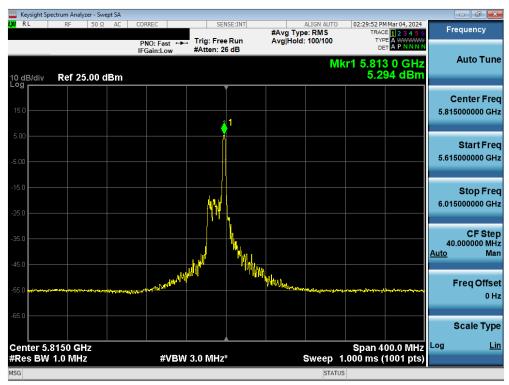
Plot 7-142. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 26 Tones (UNII Band 3/4) - Ch. 167)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 09 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 98 of 161





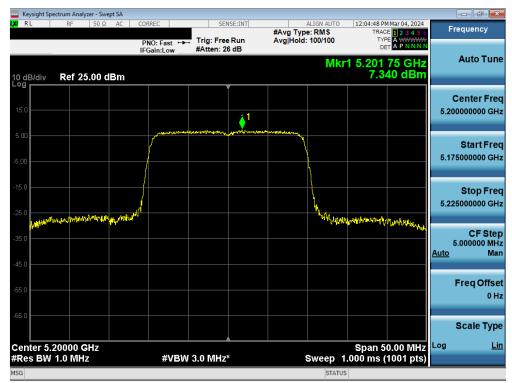
Plot 7-143. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 26 Tones (UNII Band 3/4) - Ch. 171)



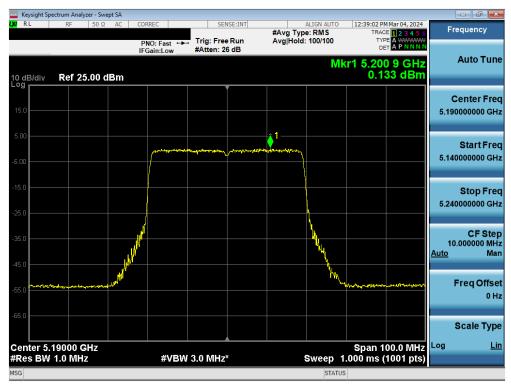
Plot 7-144. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 26 Tones (UNII Band 3/4) - Ch. 163)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 00 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 99 of 161





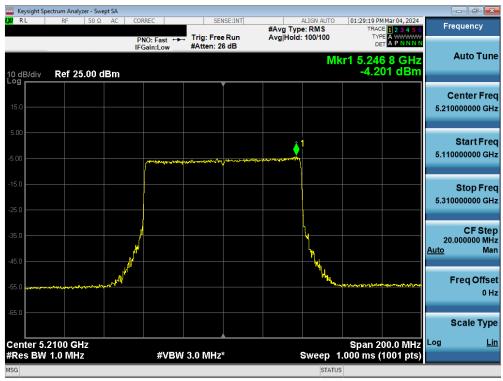
Plot 7-145. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 242 Tones (UNII Band 1) - Ch. 40)



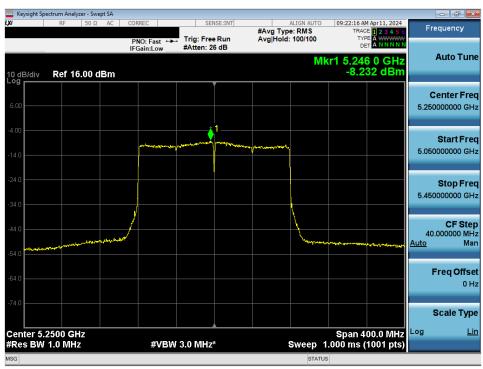
Plot 7-146. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 484 Tones (UNII Band 1) - Ch. 38)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 100 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 100 of 161





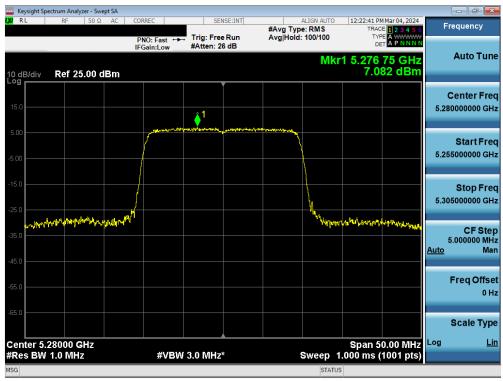
Plot 7-147. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 996 Tones (UNII Band 1) - Ch. 42)



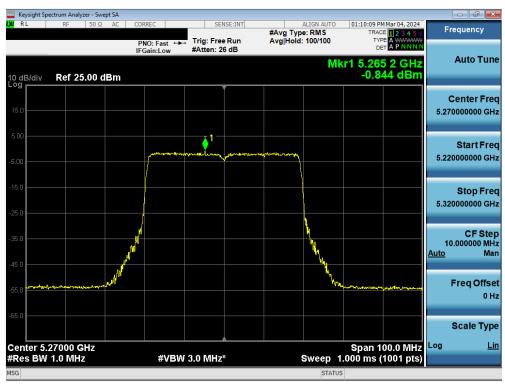
Plot 7-148. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 2x996 Tones (UNII Band 1/2A) - Ch. 50)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 101 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 101 of 161





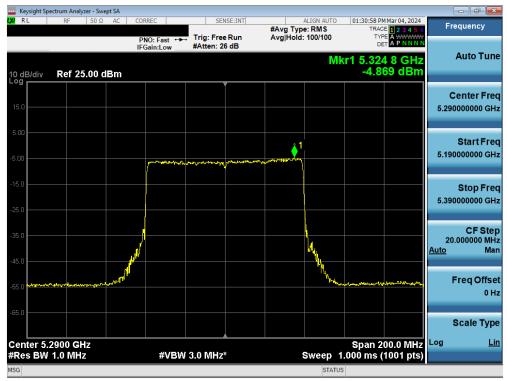
Plot 7-149. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 242 Tones (UNII Band 2A) - Ch. 56)



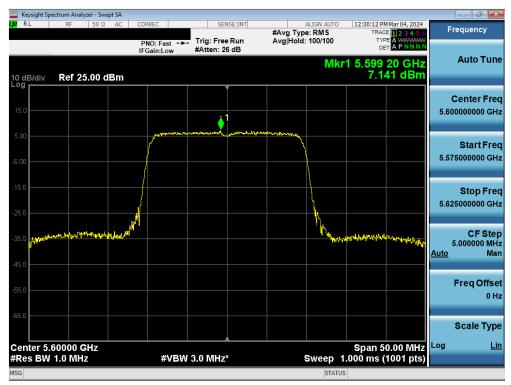
Plot 7-150. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 484 Tones (UNII Band 2A) - Ch. 54)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 102 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 102 of 161
NAA 0 07/00/000			





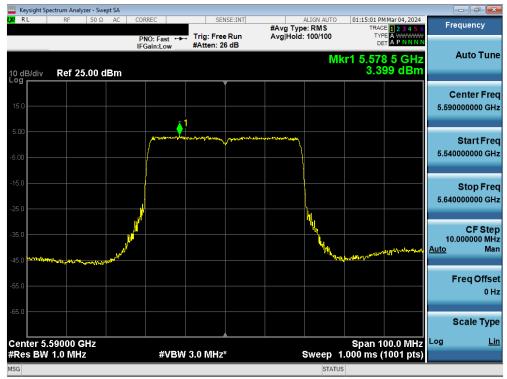
Plot 7-151. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 996 Tones (UNII Band 2A) - Ch. 58)



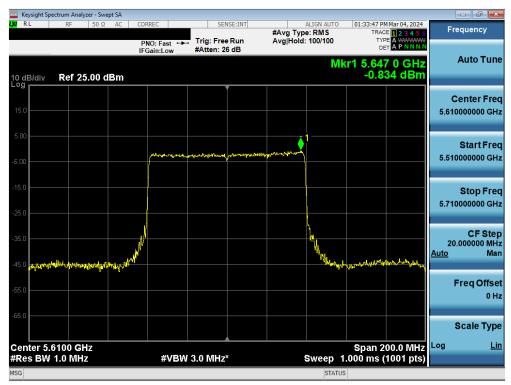
Plot 7-152. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 242 Tones (UNII Band 2C) - Ch. 120)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 102 of 101
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 103 of 161
© 2024 ELEMENT		<u> </u>	V 11.0 07/06/2023





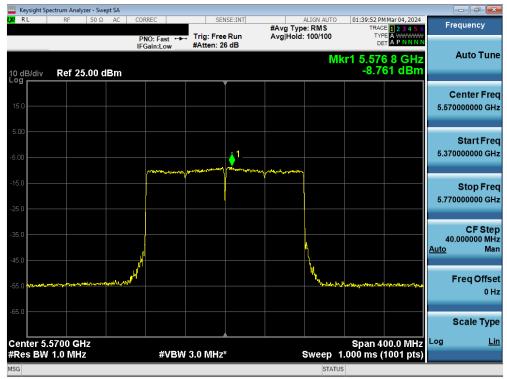
Plot 7-153. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 484 Tones (UNII Band 2C) - Ch. 118)



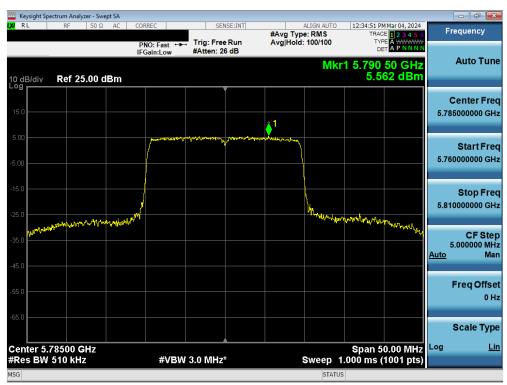
Plot 7-154. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 996 Tones (UNII Band 2C) - Ch. 122)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 104 of 101
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 104 of 161
© 2024 ELEMENT			V 11.0 07/06/2023





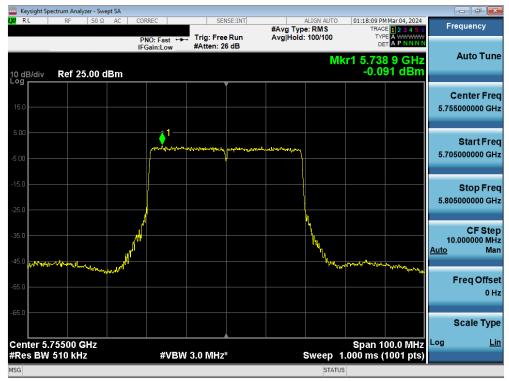
Plot 7-155. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 2x996 Tones (UNII Band 2C) - Ch. 114)



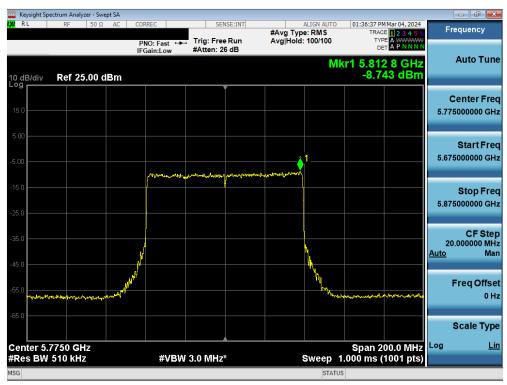
Plot 7-156. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 242 Tones (UNII Band 3) - Ch. 157)

FCC ID: C3K2077		MEASUREMENT REPORT		
Test Report S/N:	Test Dates:	Test Dates: EUT Type:		
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 105 of 161	
© 2024 ELEMENT	•	•	V 11.0 07/06/2023	





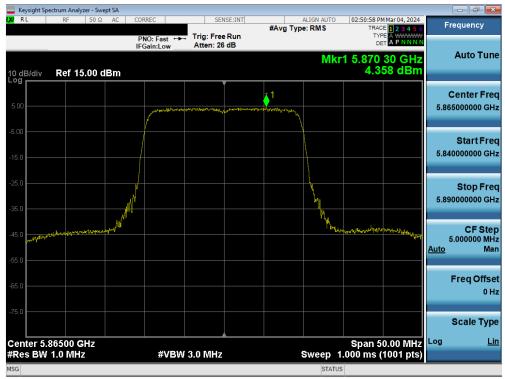
Plot 7-157. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 484 Tones (UNII Band 3) - Ch. 151)



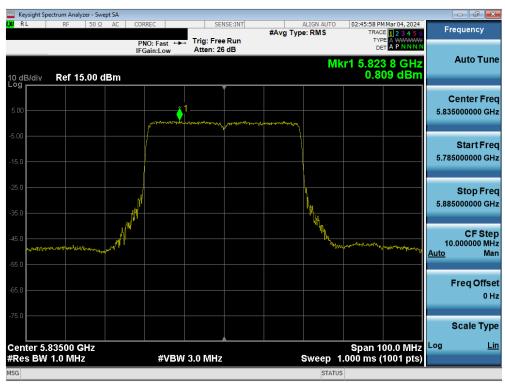
Plot 7-158. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 996 Tones (UNII Band 3) - Ch. 155)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Dogo 106 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 106 of 161





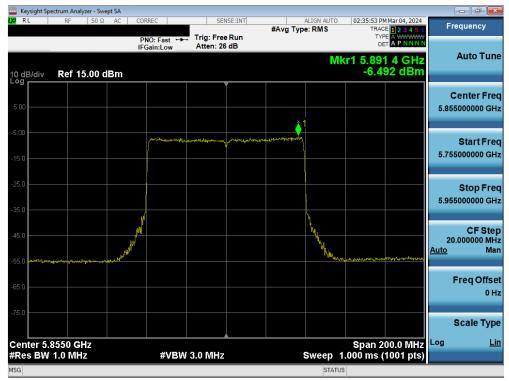
Plot 7-159. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 242 Tones (UNII Band 4) - Ch. 173)



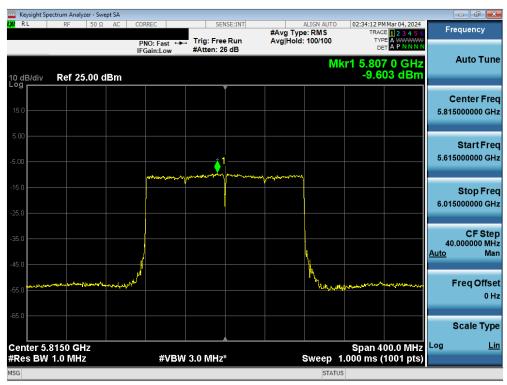
Plot 7-160. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11be - 484 Tones (UNII Band 3/4) - Ch. 167)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 107 of 101
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 107 of 161
© 2024 ELEMENT			V 11.0 07/06/2023





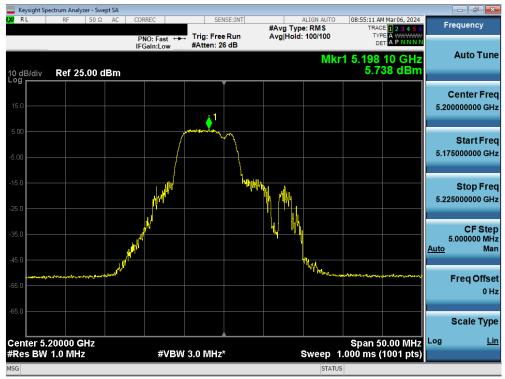
Plot 7-161. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 996 Tones (UNII Band 3/4) - Ch. 171)



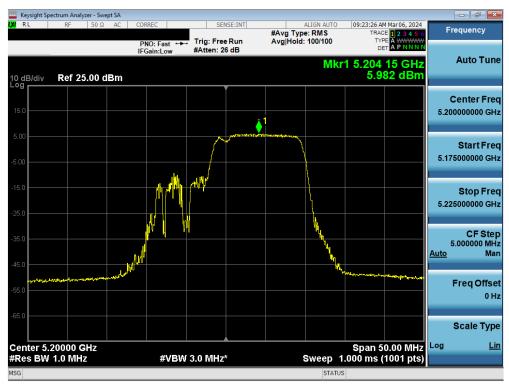
Plot 7-162. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 996*2 Tones (UNII Band 3/4) - Ch. 163)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 108 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 100 01 101





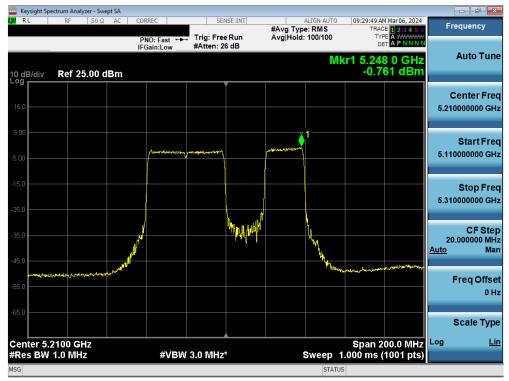
Plot 7-163. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 52+26 Tones (UNII Band 1) - Ch. 40)



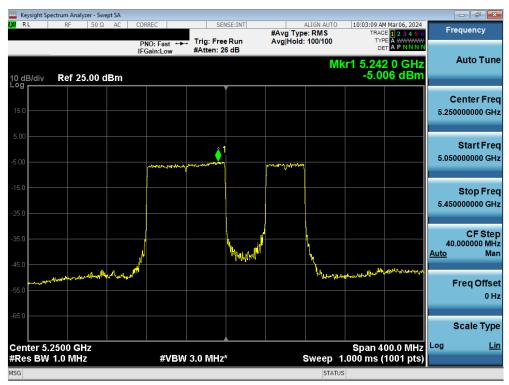
Plot 7-164. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 106+26 Tones (UNII Band 1) - Ch. 40)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 109 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 109 of 161





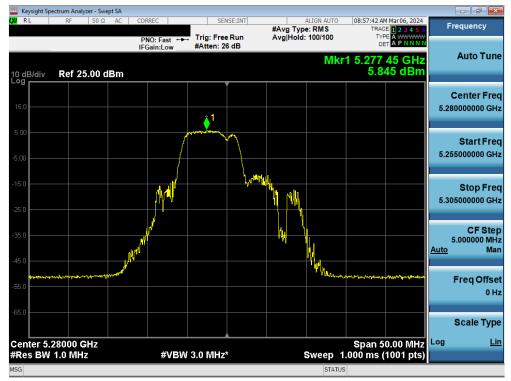
Plot 7-165. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 484+242Tones (UNII Band 1) - Ch. 42)



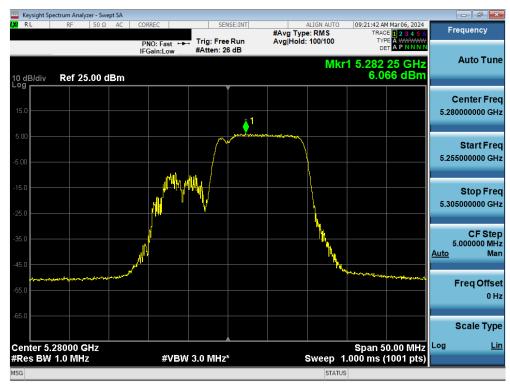
Plot 7-166. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 996+484 Tones (UNII Band 1/2A) - Ch. 50)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 110 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 110 01 161





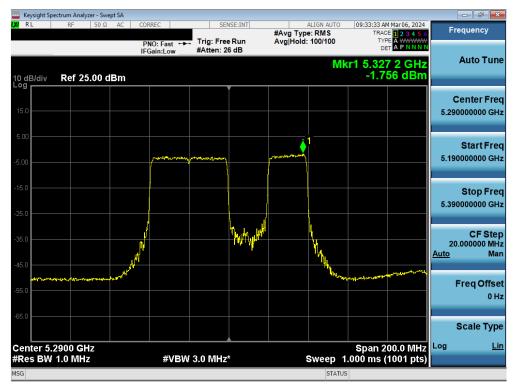
Plot 7-167. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 52+26 Tones (UNII Band 2A) - Ch. 56)



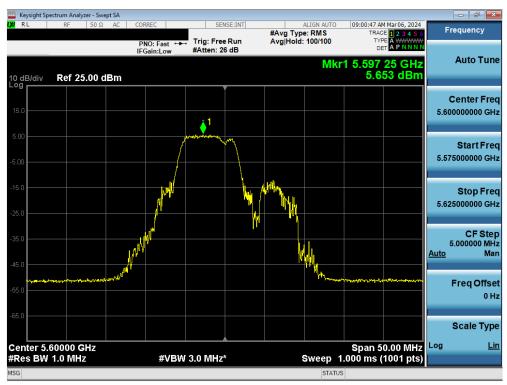
Plot 7-168. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 106+26 Tones (UNII Band 2A) - Ch. 56)

FCC ID: C3K2077		MEASUREMENT REPORT	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 444 of 464
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 111 of 161
© 2024 ELEMENT			V 11.0 07/06/2023





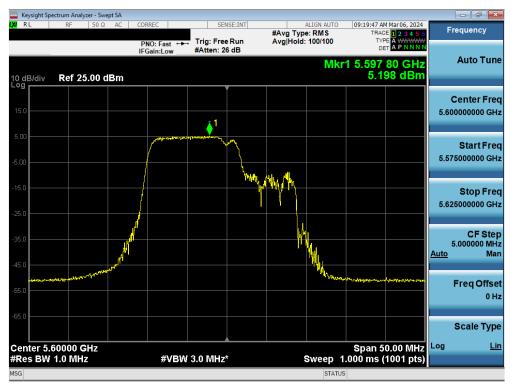
Plot 7-169. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 484+242Tones (UNII Band 2A) - Ch. 58)



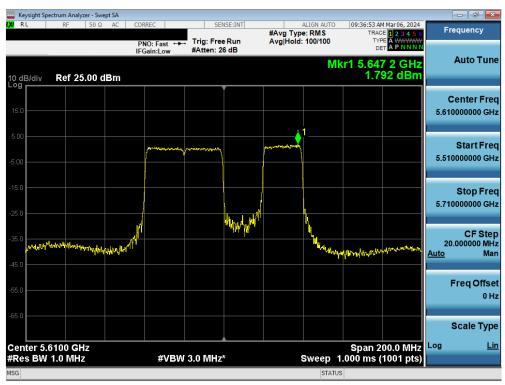
Plot 7-170. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 52+26 Tones (UNII Band 2C) - Ch. 120)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 112 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 112 of 161





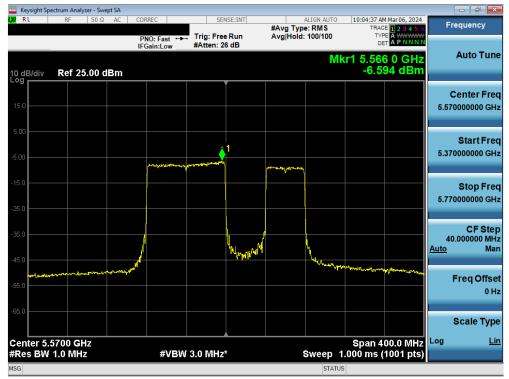
Plot 7-171. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 106+26 Tones (UNII Band 2C) - Ch. 120)



Plot 7-172. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 484+242Tones (UNII Band 2C) - Ch. 122)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 112 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 113 of 161





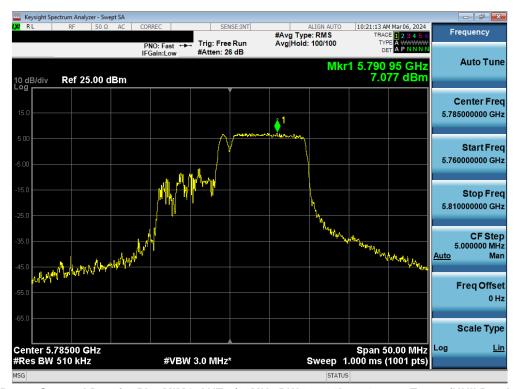
Plot 7-173. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 996+484 Tones (UNII Band 2C) - Ch. 114)



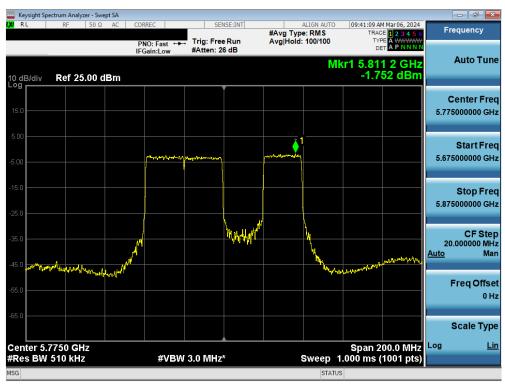
Plot 7-174. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 52+26 Tones (UNII Band 3) - Ch. 157)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Dogo 114 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 114 of 161





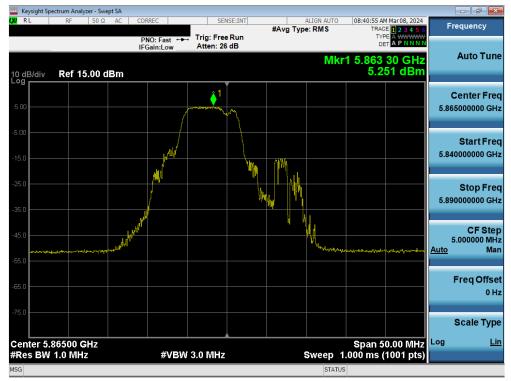
Plot 7-175. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 106+26 Tones (UNII Band 3) - Ch. 157)



Plot 7-176. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 484+242Tones (UNII Band 3) - Ch. 155)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 115 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 115 of 161





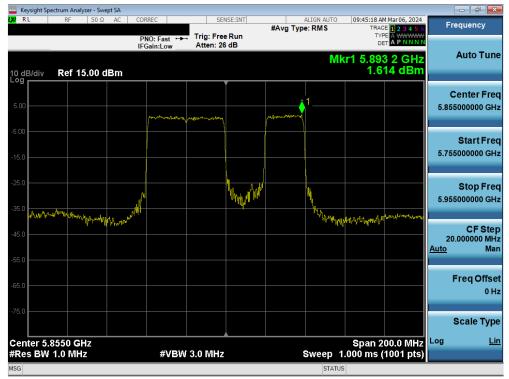
Plot 7-177. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 52+26 Tones (UNII Band 4) - Ch. 173)



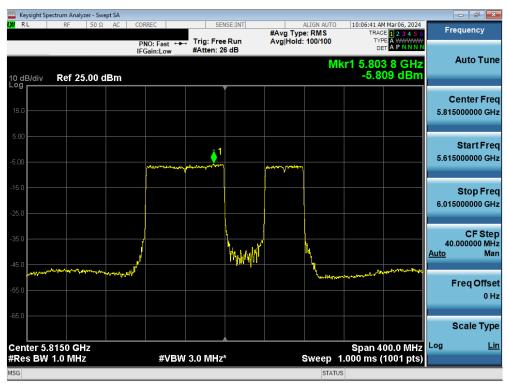
Plot 7-178. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11be - 106+26 Tones (UNII Band 4) - Ch. 173)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 116 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 110 01 101





Plot 7-179. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11be - 484+242Tones (UNII Band 3/4) - Ch. 171)



Plot 7-180. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11be - 996+484 Tones (UNII Band 3/4) - Ch. 163)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 117 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 117 01 161



Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna-1 and Antenna-2 were first measured separately with reduced Antenna-1 and Antenna-2 powers per manufacture's tune-up document. The measured values were then summed in linear power units then converted back to dBm.

Sample Directional Gain Calculation:

Assuming the antenna gain is 2.58 dBi for Antenna-1 and 3.93 dBi for Antenna-2.

Directional gain =
$$10 \log[(10^{G_1/20} + 10^{G_2/20} + ... + 10^{G_N/20})^2 / N_{ANT}] dBi$$

= $10 \log[(10^{2.58/20} + 10^{2.52/20} / 2] dBi$
= $5.56 dBi$

Sample MIMO Calculation:

Assuming the average conducted power spectral density was measured to be 4.47 dBm for Antenna-1 and 4.28 dBm for Antenna-2.

Antenna-1 + Antenna-2 = MIMO
$$(4.47 \text{ dBm} + 4.28 \text{ dBm}) = (2.80 \text{ mW} + 2.68 \text{ mW}) = 5.48 \text{ mW} = 7.39 \text{ dBm}$$

Sample e.i.r.p Power Spectral Density Calculation:

Assuming the average MIMO power density was calculated to be 7.39 dBm with directional gain of 5.56 dBi.

$$e.i.r.p.\ Power\ Spectral\ Density(dBm) = Power\ Spectral\ Density\ (dBm) + directional\ gain\ (dBi)$$

$$7.39 \text{ dBm} + 5.56 \text{ dBi} = 12.95 \text{ dBm}$$

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 118 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 110 01 101



7.6 Radiated Emission Measurements

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes, and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst-case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

For transmitters operating in the 5.850 – 5.895 GHz band: all emissions at or above 5.895GHz shall not exceed an e.i.r.p. of -5dBm/MHz and shall decrease linearly up to an e.i.r.p. of -27dBm/MHz at or above 5.925GHz, and all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27dBm/MHz at 5.65 GHz increasing linearly to 10dBm/MHz at 5.7GHz and from 5.7GHz increasing linearly to a level of 15.6dMb/MHz at 5.72GHz, and from 5.72GHz increasing linearly to a level of 27dBm/MHz at 5.725GHz.

All out of band emissions appearing in a restricted band as specified in FCC §15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in the table below per FCC §15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400\F (kHz)	300
0.490 – 1.705 MHz	24000\F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-28. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5 (Radiated Spurious Emissions) ANSI C63.10-2013 – Section 12.7.4.4 (Band Edge Measurements)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 119 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 119 01 161

ELEMENT V 11.0 07/06/202:



Test Settings - Above 1GHz

<u>Average Field Strength Measurements (Method AD - Average Detection)</u>

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = power average (RMS)
- Number of measurement points = 1001 (Number of points must be > 2 x span\\RBW)
- 6. Sweep time = auto
- 7. Trace (RMS) averaging was performed over at least 100 traces.

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize.

Test Settings - Below 1GHz

Quasi-Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
- 2. RBW = 120kHz (for emissions from 30MHz 1GHz)
- 3. Detector = quasi-peak
- 4. Sweep time = auto couple
- 5. Trace mode = max hold
- 6. Trace was allowed to stabilize.

Test Setup

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

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 120 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 120 01 161



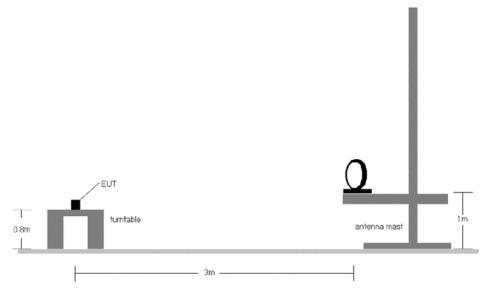


Figure 7-5. Radiated Test Setup < 30MHz

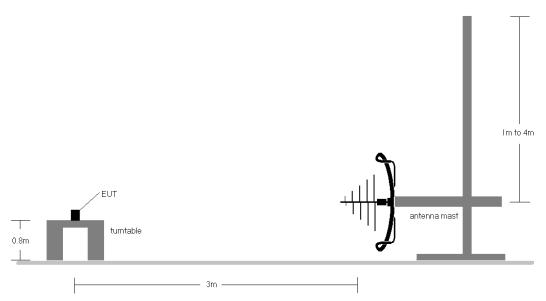


Figure 7-6. Radiated Test Setup < 1GHz

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 121 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 121 01 161

V 11.0 07/06/2023



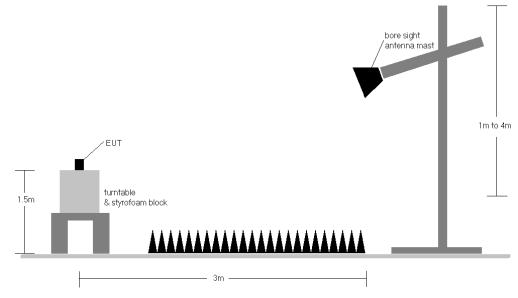


Figure 7-7. Radiated Test Setup > 1GHz

Test Notes

- 1. All spurious emissions lying in restricted bands specified in §15.205 are below the limit shown in §15.209. All spurious emissions that do not lie in a restricted band are subject to an average limit of -27dBm/MHz. At 3 meters, the field strength limit in dB_μV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
- 2. All spurious emissions that do not lie in a restricted band are subject to a peak limit not to exceed 20dB of the average limit [68.2dBuV/m]. If a peak measurement passes the average limit, it was determined no further investigation is necessary.
- 3. The antenna is manipulated through typical positions, polarity, and length during the tests. The EUT is manipulated through three orthogonal planes.
- 4. This unit was tested with its standard battery.
- 5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported, however emissions whose levels were not within 20dB of the respective limits were not reported.
- 6. 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.
- 7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
- 8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 122 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 122 01 101



- 9. In the case where a peak-detector measurement passed the given RMS limit it was determined sufficient to demonstrate compliance.
- 10. The results recorded using the broadband antenna are known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
- 11. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all of the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dBμV/m] Limit [dBμV/m]

Radiated Band Edge Measurement Offset

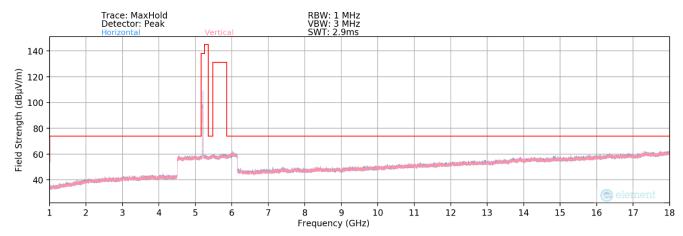
The amplitude offset shown in the radiated restricted band edge plots in Section Radiated Spurious
 Emission Measurements – Above 1GHz was calculated using the formula:

Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

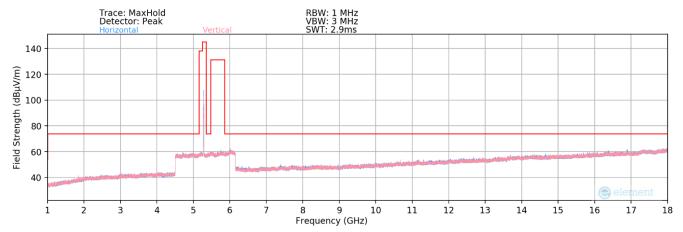
FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 123 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 123 01 161



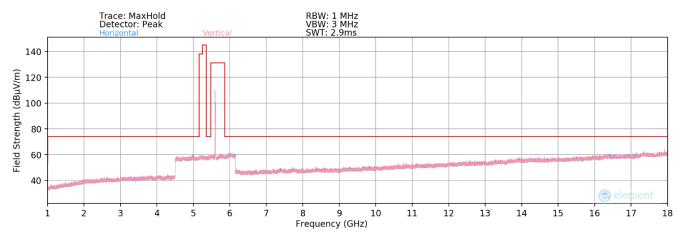
7.6.1 MIMO Radiated Spurious Emission Measurements (26 Tones)



Plot 7-181. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 1 Ch. 40)



Plot 7-182. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 2A Ch. 56)

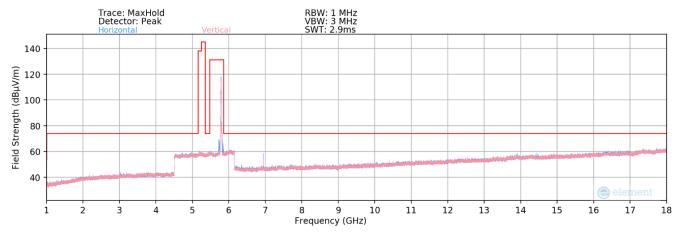


Plot 7-183. Radiated Spurious Plot above 1GHz MIMO (802.11be -UNII 2C Ch. 120)

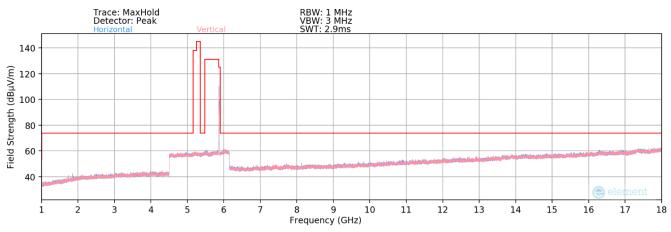
FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 124 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Fage 124 01 161

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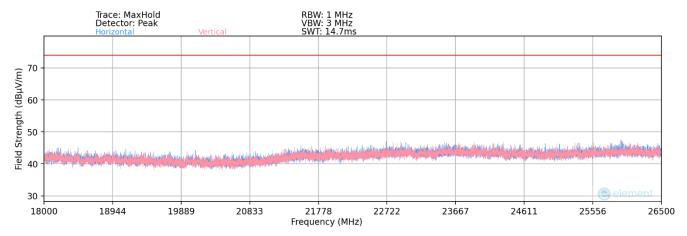




Plot 7-184. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 3 Ch. 157)



Plot 7-185. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 4 Ch. 173)

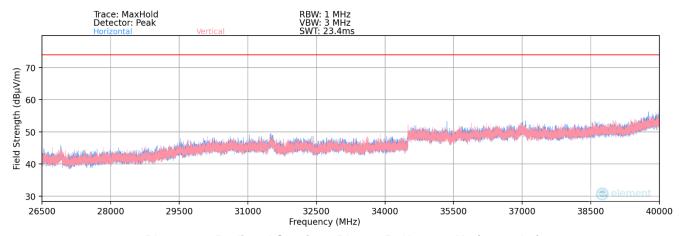


Plot 7-186. Radiated Spurious Plot 18GHz - 26.5GHz (802.11be)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates: EUT Type:		Page 125 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 125 01 161

© 2024 ELEMENT V 11.0 07/06/2023





Plot 7-187. Radiated Spurious Plot 26.5GHz - 40GHz (802.11be)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 126 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 126 of 161



MIMO Radiated Spurious Emission Measurements (26 Tones) - UNII 1

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
							10360.00	Peak	Н	-	-	-71.35	12.12	0.00	47.77	68.20	-20.43
						*	15540.00	Average	Н	-	-	-82.61	14.11	0.00	38.50	53.98	-15.48
			36	5180	4	*	15540.00	Peak	Н	-	-	-72.62	14.11	0.00	48.49	73.98	-25.49
			30	3100	-	*	20720.00	Average	Н	-	-	-64.52	3.27	-9.54	36.21	53.98	-17.77
						*	20720.00	Peak	Н	-	-	-55.41	3.27	-9.54	45.32	73.98	-28.66
							25900.00	Peak	Н	-	-	-54.41	4.35	-9.54	47.40	68.20	-20.80
							10400.00	Peak	Н	-	-	-71.34	12.37	0.00	48.03	68.20	-20.17
						*	15600.00	Average	Н	-	-	-82.37	14.22	0.00	38.85	53.98	-15.13
802.11be RU 26T	MIMO	1	40	5200	4	*	15600.00	Peak	Н	-	-	-71.70	14.22	0.00	49.52	73.98	-24.46
			40	3200	-	*	20800.00	Average	Н	-	-	-64.48	3.40	-9.54	36.38	53.98	-17.60
						*	20800.00	Peak	Н	-	-	-54.81	3.40	-9.54	46.05	73.98	-27.93
							26000.00	Peak	Н	-	-	-54.23	4.39	-9.54	47.62	68.20	-20.58
							10480.00	Peak	Н	-	-	-71.41	13.08	0.00	48.67	68.20	-19.53
						*	15720.00	Average	Н	-	-	-82.18	14.65	0.00	39.47	53.98	-14.51
			48	5240	4	*	15720.00	Peak	Н	-	-	-71.05	14.65	0.00	50.60	73.98	-23.38
							20960.00	Peak	Н	-	-	-64.71	3.41	-9.54	36.16	68.20	-32.04
							26200.00	Peak	Н	-	-	-54.92	3.41	-9.54	45.96	68.20	-22.24

Table 7-29. Radiated Measurements MIMO (26 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 407 of 464
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Page 127 of 161	



MIMO Radiated Spurious Emission Measurements (26 Tones) - UNII 2A

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
							10520.00	Peak	Н	-	-	-71.36	12.95	0.00	48.59	68.20	-19.61
						*	15780.00	Average	Н	-	-	-82.12	14.23	0.00	39.11	53.98	-14.87
			52	5260	4	*	15780.00	Peak	Н	-	-	-71.53	14.23	0.00	49.70	73.98	-24.28
			52	5260	4	*	21040.00	Average	Н	-	-	-64.41	3.53	-9.54	36.58	53.98	-17.40
						*	21040.00	Peak	Н	-	-	-53.95	3.53	-9.54	47.04	73.98	-26.94
							26300.00	Peak	Н	-	-	-53.90	4.27	-9.54	47.83	68.20	-20.37
							10560.00	Peak	Н	-	-	-70.78	12.97	0.00	49.19	68.20	-19.01
						*	15840.00	Average	Н	-	-	-82.21	14.09	0.00	38.88	53.98	-15.10
			56	5280	4	*	15840.00	Peak	Н	-	-	-71.94	14.09	0.00	49.15	73.98	-24.83
802.11be RU 26T	MIMO	2A	56	3280	4	*	21120.00	Average	Н	-	-	-64.68	3.66	-9.54	36.43	53.98	-17.55
						*	21120.00	Peak	Н	-	-	-54.78	3.66	-9.54	46.34	73.98	-27.64
							26400.00	Peak	Н	-	-	-54.74	4.21	-9.54	46.92	68.20	-21.28
						*	10640.00	Average	Н	,	-	-81.66	12.51	0.00	37.85	53.98	-16.13
						*	10640.00	Peak	Н	-	-	-71.42	12.51	0.00	48.09	73.98	-25.89
						*	15960.00	Average	Н	-	-	-82.92	15.27	0.00	39.35	53.98	-14.63
			64	5320	4	*	15960.00	Peak	Н		-	-72.55	15.27	0.00	49.72	73.98	-24.26
						*	21280.00	Average	Н	-	-	-64.46	3.75	-9.54	36.75	53.98	-17.23
						*	21280.00	Peak	Н	-	-	-54.88	3.75	-9.54	46.33	73.98	-27.65
							26600.00	Peak	Н	-	-	-54.03	4.20	-9.54	47.64	68.20	-20.56

Table 7-30. Radiated Measurements MIMO (26 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 129 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 128 of 161



MIMO Radiated Spurious Emission Measurements (26 Tones) - UNII 2C

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
						*	11000.00	Average	Н	-	-	-82.22	12.66	0.00	37.45	53.98	-16.53
						*	11000.00	Peak	Н	-	-	-71.61	12.66	0.00	48.05	73.98	-25.93
			100	5500	4		16500.00	Peak	Н	-	-	-72.08	15.81	0.00	50.73	68.20	-17.47
							22000.00	Peak	Н	-	-	-54.41	3.75	-9.54	46.80	68.20	-21.40
							27500.00	Peak	Н	-	-	-54.82	4.29	-9.54	46.92	68.20	-21.28
						*	11200.00	Average	Н	-	-	-81.83	12.54	0.00	37.71	53.98	-16.27
						*	11200.00	Peak	H	-	-	-71.57	12.54	0.00	47.97	73.98	-26.01
			120	5600	4		16800.00	Peak	Н	-	-	-72.70	16.25	0.00	50.55	68.20	-17.65
802.11be RU 26T	MIMO	2C	120	3000	-	*	22400.00	Average	Н	-	-	-64.63	3.72	-9.54	36.55	53.98	-17.43
						*	22400.00	Peak	Н	-	-	-54.87	3.72	-9.54	46.31	73.98	-27.67
							28000.00	Peak	Н	-	-	-54.45	4.51	-9.54	47.52	68.20	-20.68
						*	11440.00	Average	Н	-	-	-72.10	13.54	0.00	48.44	53.98	-5.54
						*	11440.00	Peak	Н	-	-	-82.15	13.54	0.00	38.39	73.98	-35.59
			144	5720	4		17160.00	Peak	Н	-	-	-82.42	16.79	0.00	41.37	68.20	-26.83
			144	3720	*	*	22880.00	Average	Н	-	-	-64.63	3.87	-9.54	36.70	53.98	-17.28
						*	22880.00	Peak	Н	-	-	-54.33	3.87	-9.54	47.00	73.98	-26.98
							28600.00	Peak	Н	-	-	-54.76	5.03	-9.54	47.73	68.20	-20.47

Table 7-31. Radiated Measurements MIMO (26 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 120 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 129 of 161



MIMO Radiated Spurious Emission Measurements (26 Tones) - UNII 3

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
						*	11490.00	Average	Н	-	-	-82.25	13.10	0.00	37.85	53.98	-16.13
						*	11490.00	Peak	Н	-	-	-72.43	13.10	0.00	47.67	73.98	-26.31
			149	5745	4		17235.00	Peak	Н	-	-	-72.75	16.91	0.00	51.16	68.20	-17.04
			145	3743	-	*	22980.00	Average	Н	-	-	-64.78	3.75	-9.54	36.44	53.98	-17.54
						*	22980.00	Peak	Н	-	-	-54.50	3.75	-9.54	46.72	73.98	-27.26
							28725.00	Peak	Н	-	-	-55.26	5.10	-9.54	47.31	68.20	-20.89
						*	11570.00	Average	Н	-	-	-82.34	12.96	0.00	37.62	53.98	-16.36
802.11be	мімо	3				*	11570.00	Peak	Н	-	-	-70.35	12.96	0.00	49.61	73.98	-24.37
RU 26T	WIIWIO	,	157	5785	4		17355.00	Peak	Н	-	-	-71.74	17.83	0.00	53.09	68.20	-15.11
							23140.00	Peak	Н	-	-	-54.88	3.70	-9.54	46.28	68.20	-21.92
							28925.00	Peak	Н	-	-	-55.19	5.00	-9.54	47.27	68.20	-20.93
						*	11650.00	Average	Н	-	-	-82.31	13.39	0.00	38.08	53.98	-15.90
						*	11650.00	Peak	Н	-	-	-71.61	13.39	0.00	48.78	73.98	-25.20
			165	5825	4		17475.00	Peak	Н	-	-	-72.64	17.09	0.00	51.45	68.20	-16.75
							23300.00	Peak	Н	-	-	-54.55	3.73	-9.54	46.64	68.20	-21.56
							29125.00	Peak	Н	-	-	-54.70	5.04	-9.54	47.80	68.20	-20.40

Table 7-32. Radiated Measurements MIMO (26 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 120 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 130 of 161



MIMO Radiated Spurious Emission Measurements (26 Tones) - UNII 4

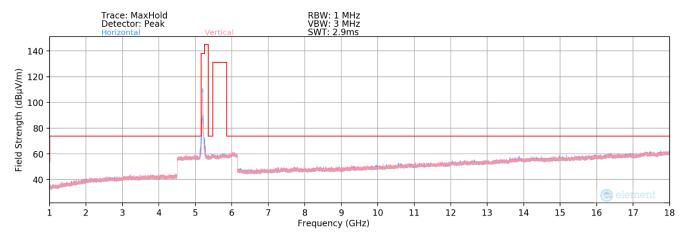
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
						*	11690.00	Average	Н	-	-	-82.33	18.57	0.00	43.24	53.98	-10.74
						*	11690.00	Peak	Н		-	-71.71	18.57	0.00	53.86	73.98	-20.12
			169	5845	4		17535.00	Peak	Н	-	-	-72.46	26.80	0.00	61.34	68.20	-6.86
			169	3845	4		23380.00	Peak	Н	-	-	-54.69	3.63	-9.54	46.41	68.20	-21.79
							29225.00	Peak	Н	-	-	-55.40	5.18	-9.54	47.23	68.20	-20.97
							35070.00	Peak	Н	-	-	-53.38	7.59	-9.54	51.68	68.20	-16.52
						*	11730.00	Average	Н	-	-	-81.83	18.47	0.00	43.64	53.98	-10.34
						*	11730.00	Peak	Н	-	-	-70.89	18.47	0.00	54.58	73.98	-19.40
802.11be	MIMO	4	173	5865	4		17595.00	Peak	Н	-	-	-72.71	26.61	0.00	60.90	68.20	-7.30
RU 26T	IVIIIVIO	4	1/3	3603	4		23460.00	Peak	Н	-	-	-55.13	3.73	-9.54	46.06	68.20	-22.14
							29325.00	Peak	Н		-	-55.46	5.43	-9.54	47.44	68.20	-20.76
							35190.00	Peak	Н	-	-	-53.91	7.73	-9.54	51.28	68.20	-16.92
						*	11770.00	Average	Н	-	-	-82.39	18.45	0.00	43.06	53.98	-10.92
						*	11770.00	Peak	Н	-	-	-71.24	18.45	0.00	54.21	73.98	-19.77
			177	5885	4		17655.00	Peak	Н	-	-	-72.21	26.38	0.00	61.17	68.20	-7.03
			1//	3685	4		23540.00	Peak	Н	-	-	-53.44	3.78	-9.54	47.80	68.20	-20.40
							29425.00	Peak	Н	-	-	-54.22	5.46	-9.54	48.70	68.20	-19.50
							35310.00	Peak	Н		-	-53.25	7.92	-9.54	52.13	68.20	-16.07

Table 7-33. Radiated Measurements MIMO (26 Tones)

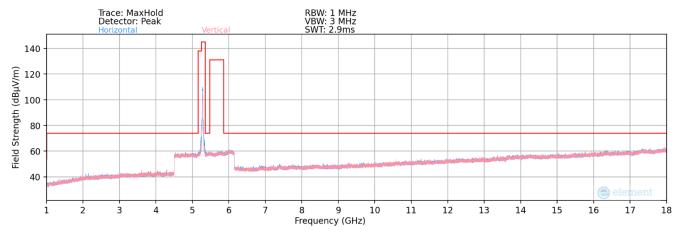
FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 121 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024 Portable Computing Device		Page 131 of 161



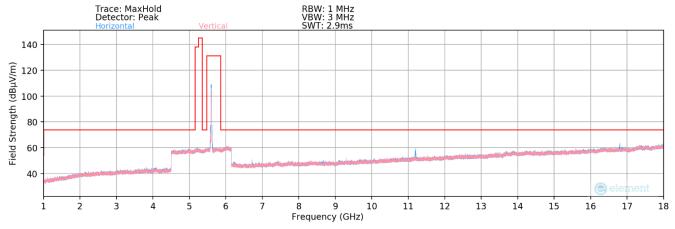
7.6.2 MIMO Radiated Spurious Emission Measurements (242 Tones)



Plot 7-188. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 1 Ch. 40)



Plot 7-189. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 2A Ch. 56)

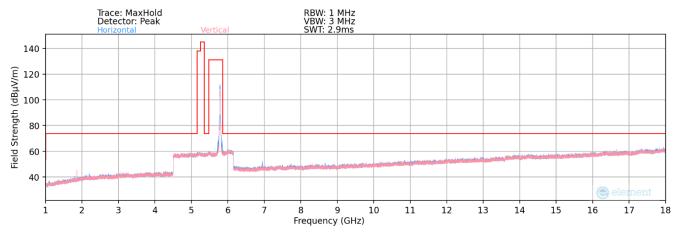


Plot 7-190. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 2C Ch. 120)

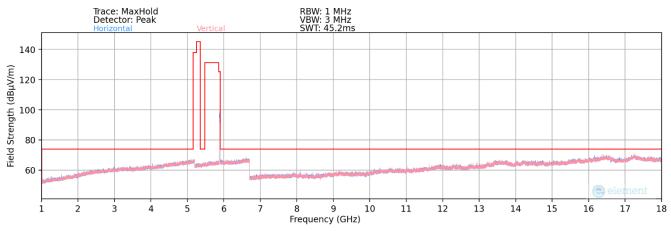
FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 132 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	rage 132 01 101

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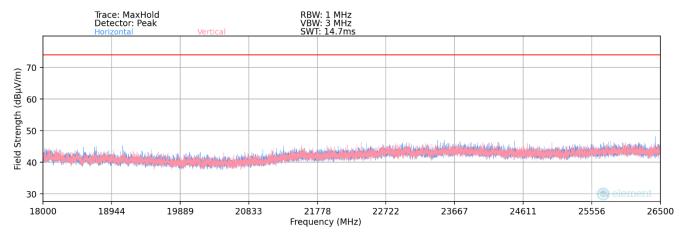




Plot 7-191. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 3 Ch. 157)



Plot 7-192. Radiated Spurious Plot above 1GHz MIMO (802.11be - UNII 4 Ch. 173)

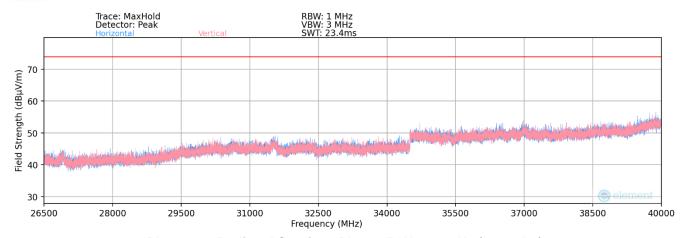


Plot 7-193. Radiated Spurious Plot 18GHz - 26.5GHz (802.11be)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 122 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 133 of 161

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Plot 7-194. Radiated Spurious Plot 26.5GHz - 40GHz (802.11be)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 124 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 134 of 161



MIMO Radiated Spurious Emission Measurements (242 Tones) - UNII 1

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
							10360.00	Peak	Н	-	-	-68.03	12.12	0.00	51.09	68.20	-17.11
						*	15540.00	Average	Н	-	-	-79.60	14.11	0.00	41.51	53.98	-12.47
			36	5180	61	*	15540.00	Peak	Н	-	-	-67.31	14.11	0.00	53.80	73.98	-20.18
			30	3100	01	*	20720.00	Average	Н	-	-	-64.40	3.27	-9.54	36.33	53.98	-17.65
						*	20720.00	Peak	Н	-	-	-54.10	3.27	-9.54	46.62	73.98	-27.36
							25900.00	Peak	Н	-	-	-52.13	4.35	-9.54	49.68	68.20	-18.52
							10400.00	Peak	Н	-	-	-68.06	12.37	0.00	51.31	68.20	-16.89
						*	15600.00	Average	Н	-	-	-79.86	14.22	0.00	41.36	53.98	-12.62
802.11be RU 242T	MIMO	1	40	5200	61	*	15600.00	Peak	Н	-	-	-68.34	14.22	0.00	52.88	73.98	-21.10
110 2 121			40	5200	01	*	20800.00	Average	Н	-	-	-64.56	3.40	-9.54	36.30	53.98	-17.68
						*	20800.00	Peak	Н	-	-	-54.15	3.40	-9.54	46.71	73.98	-27.27
							26000.00	Peak	Н	-	-	-54.25	4.39	-9.54	47.60	68.20	-20.60
							10480.00	Peak	Н	-	-	-71.50	13.08	0.00	48.58	68.20	-19.62
						*	15720.00	Average	Н	-	-	-82.36	14.65	0.00	39.29	53.98	-14.69
			48	5240	61	*	15720.00	Peak	Н	-	-	-71.14	14.65	0.00	50.51	73.98	-23.47
							20960.00	Peak	Н	-	-	-64.75	3.41	-9.54	36.12	68.20	-32.08
							26200.00	Peak	Н	-	-	-54.93	3.41	-9.54	45.94	68.20	-22.26

Table 7-34. Radiated Measurements MIMO (242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 125 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 135 of 161



MIMO Radiated Spurious Emission Measurements (242 Tones) - UNII 2A

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
							10520.00	Peak	Н	-	-	-68.74	12.95	0.00	51.21	68.20	-16.99
						*	15780.00	Average	Н	-	-	-80.54	14.23	0.00	40.69	53.98	-13.29
			52	5260	61	*	15780.00	Peak	Н	-	-	-69.16	14.23	0.00	52.07	73.98	-21.91
			52	5260	01	*	21040.00	Average	Н	-	-	-64.54	3.53	-9.54	36.45	53.98	-17.53
						*	21040.00	Peak	Н	-	-	-54.16	3.53	-9.54	46.84	73.98	-27.14
							26300.00	Peak	Н	-	-	-54.22	4.27	-9.54	47.51	68.20	-20.69
							10560.00	Peak	Н	-	-	-68.79	12.97	0.00	51.18	68.20	-17.02
						*	15840.00	Average	Н		-	-80.09	14.09	0.00	41.00	53.98	-12.98
			56	5280	61	*	15840.00	Peak	Н	-	-	-68.46	14.09	0.00	52.63	73.98	-21.35
802.11be RU 242T	MIMO	2A	56	3280	01	*	21120.00	Average	Н	-	-	-64.55	3.66	-9.54	36.57	53.98	-17.41
						*	21120.00	Peak	Н		-	-55.13	3.66	-9.54	45.99	73.98	-27.99
							26400.00	Peak	Н		-	-53.48	4.21	-9.54	48.19	68.20	-20.01
						*	10640.00	Average	Н	-	-	-79.82	12.51	0.00	39.69	53.98	-14.29
						*	10640.00	Peak	Н	-	-	-68.57	12.51	0.00	50.94	73.98	-23.04
						*	15960.00	Average	Н	-	-	-80.65	15.27	0.00	41.62	53.98	-12.36
			64	5320	61	*	15960.00	Peak	Н		-	-69.40	15.27	0.00	52.87	73.98	-21.11
						*	21280.00	Average	Н		-	-64.61	3.75	-9.54	36.60	53.98	-17.38
						*	21280.00	Peak	Н	-	-	-53.27	3.75	-9.54	47.94	73.98	-26.04
							26600.00	Peak	Н	-	-	-54.46	4.20	-9.54	47.21	68.20	-20.99

Table 7-35. Radiated Measurements MIMO (242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT					
Test Report S/N:	Test Dates:	EUT Type:	Dogo 126 of 161				
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 136 of 161				



MIMO Radiated Spurious Emission Measurements (242 Tones) - UNII 2C

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
						*	11000.00	Average	H	-	÷	-78.82	12.66	0.00	40.84	53.98	-13.14
						*	11000.00	Peak	Н	-	-	-66.77	12.66	0.00	52.89	73.98	-21.09
			100	5500	61		16500.00	Peak	Н	-	-	-68.44	15.81	0.00	54.37	68.20	-13.83
							22000.00	Peak	Н	-	-	-55.17	3.75	-9.54	46.04	68.20	-22.16
							27500.00	Peak	Н	-	-	-54.63	4.29	-9.54	47.12	68.20	-21.08
						*	11200.00	Average	Н	-	-	-79.46	12.54	0.00	40.08	53.98	-13.90
						*	11200.00	Peak	Н	-	-	-67.53	12.54	0.00	52.01	73.98	-21.97
			120	5600	61		16800.00	Peak	Н	-	-	-68.03	16.25	0.00	55.22	68.20	-12.98
802.11be RU 242T	MIMO	2C	120	3600	01	*	22400.00	Average	Н	-	-	-64.90	3.72	-9.54	36.28	53.98	-17.70
110 2 121						*	22400.00	Peak	Н	-	-	-55.20	3.72	-9.54	45.97	73.98	-28.01
							28000.00	Peak	Н	-	-	-54.67	4.51	-9.54	47.31	68.20	-20.89
						*	11440.00	Average	Н	-	-	-80.14	13.54	0.00	40.40	53.98	-13.58
						*	11440.00	Peak	Н	-	-	-68.75	13.54	0.00	51.79	73.98	-22.19
			144	5720			17160.00	Peak	Н	-	-	-68.07	16.79	0.00	55.72	68.20	-12.48
			144	5/20	61	*	22880.00	Average	Н	-	-	-64.75	3.87	-9.54	36.58	53.98	-17.40
						*	22880.00	Peak	Н	-	-	-55.09	3.87	-9.54	46.25	73.98	-27.73
							28600.00	Peak	Н	-		-55.49	5.03	-9.54	47.00	68.20	-21.20

Table 7-36. Radiated Measurements MIMO (242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 127 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 137 of 161



MIMO Radiated Spurious Emission Measurements (242 Tones) - UNII 3

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
						*	11490.00	Average	H	-	-	-80.02	13.10	0.00	40.08	53.98	-13.90
						*	11490.00	Peak	H	-	-	-68.09	13.10	0.00	52.01	73.98	-21.97
			149	5745	61		17235.00	Peak	Н	-	-	-68.10	16.91	0.00	55.81	68.20	-12.39
			142	3743	01	*	22980.00	Average	Н	-	-	-64.96	3.75	-9.54	36.25	53.98	-17.73
						*	22980.00	Peak	Н	-	-	-54.90	3.75	-9.54	46.31	73.98	-27.67
							28725.00	Peak	H	-	-	-55.26	5.10	-9.54	47.31	68.20	-20.89
						*	11570.00	Average	Н	-	-	-79.51	12.96	0.00	40.45	53.98	-13.53
802.11be	MIMO	3				*	11570.00	Peak	H	-	-	-67.93	12.96	0.00	52.03	73.98	-21.95
RU 242T	WIIWIO	3	157	5785	61		17355.00	Peak	Н	-	-	-68.88	17.83	0.00	55.95	68.20	-12.25
							23140.00	Peak	Н	-	-	-54.69	3.70	-9.54	46.46	68.20	-21.74
							28925.00	Peak	H	-	-	-55.22	5.00	-9.54	47.24	68.20	-20.96
						*	11650.00	Average	Н	-	-	-80.22	13.39	0.00	40.17	53.98	-13.81
						*	11650.00	Peak	Н	-	-	-68.65	13.39	0.00	51.74	73.98	-22.24
			165	5825	61		17475.00	Peak	H	-	-	-67.98	17.09	0.00	56.11	68.20	-12.09
							23300.00	Peak	Н	-	-	-54.82	3.73	-9.54	46.37	68.20	-21.83
							29125.00	Peak	Н	-	-	-55.02	5.04	-9.54	47.48	68.20	-20.72

Table 7-37. Radiated Measurements MIMO (242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 138 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 130 01 101



MIMO Radiated Spurious Emission Measurements (242 Tones) - UNII 4

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
						*	11690.00	Average	Н	-	-	-82.47	18.57	0.00	43.10	53.98	-10.88
						*	11690.00	Peak	Н	-	-	-71.69	18.57	0.00	53.88	73.98	-20.10
			169	5845	61		17535.00	Peak	Н	-	-	-72.68	26.80	0.00	61.12	68.20	-7.08
			109	3643	01		23380.00	Peak	Н	-	-	-54.91	3.63	-9.54	46.18	68.20	-22.02
							29225.00	Peak	Н	-	-	-54.39	5.18	-9.54	48.25	68.20	-19.95
							35070.00	Peak	Н	-	-	-53.72	7.59	-9.54	51.34	68.20	-16.86
						*	11730.00	Average	Н	-	-	-82.08	18.47	0.00	43.39	53.98	-10.59
						*	11730.00	Peak	Н	-	-	-71.94	18.47	0.00	53.53	73.98	-20.45
802.11be	MIMO	4	173	5865	61		17595.00	Peak	Н	-	-	-72.56	26.61	0.00	61.05	68.20	-7.15
RU 242T	IVIIIVIO	4	1/3	3663	01		23460.00	Peak	Н	-	-	-55.49	3.73	-9.54	45.71	68.20	-22.49
							29325.00	Peak	Н	-	-	-54.97	5.43	-9.54	47.93	68.20	-20.27
							35190.00	Peak	Н	-	-	-54.15	7.73	-9.54	51.05	68.20	-17.15
						*	11770.00	Average	Н	-	-	-82.18	18.45	0.00	43.27	53.98	-10.71
						*	11770.00	Peak	Н	-	-	-71.72	18.45	0.00	53.73	73.98	-20.25
			177	5885	61		17655.00	Peak	Н	-	-	-72.63	26.38	0.00	60.75	68.20	-7.45
			1//	3685	01		23540.00	Peak	Н	-	-	-53.97	3.78	-9.54	47.27	68.20	-20.93
							29425.00	Peak	Н	-	-	-54.81	5.46	-9.54	48.11	68.20	-20.09
							35310.00	Peak	Н	-	-	-53.09	7.92	-9.54	52.29	68.20	-15.91

Table 7-38. Radiated Measurements MIMO (242 Tones)

FCC ID: C3K2077		MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 120 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	Page 139 of 161



7.6.3 MIMO Radiated Band Edge Measurements (20MHz BW - Partial Tone - 106T)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11be

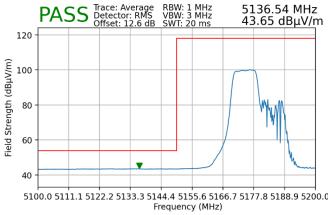
MCS0

53

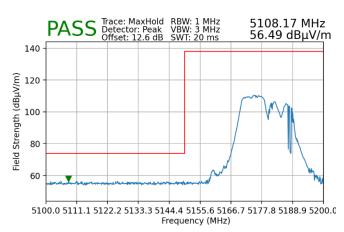
3 Meters

5180MHz

36



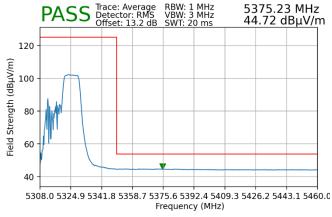
Plot 7-195. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 106 Tones)



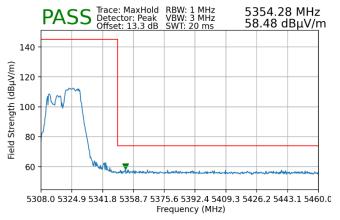
Plot 7-196. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 106 Tones)

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

802.11be
MCS0
54
3 Meters
5320MHz
64



Plot 7-197. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 106 Tones)



Plot 7-198. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 106 Tones)

FCC ID: C3K2077	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 140 of 161
1M2312040120-20.C3K	12/14/2023 - 04/11/2024	Portable Computing Device	