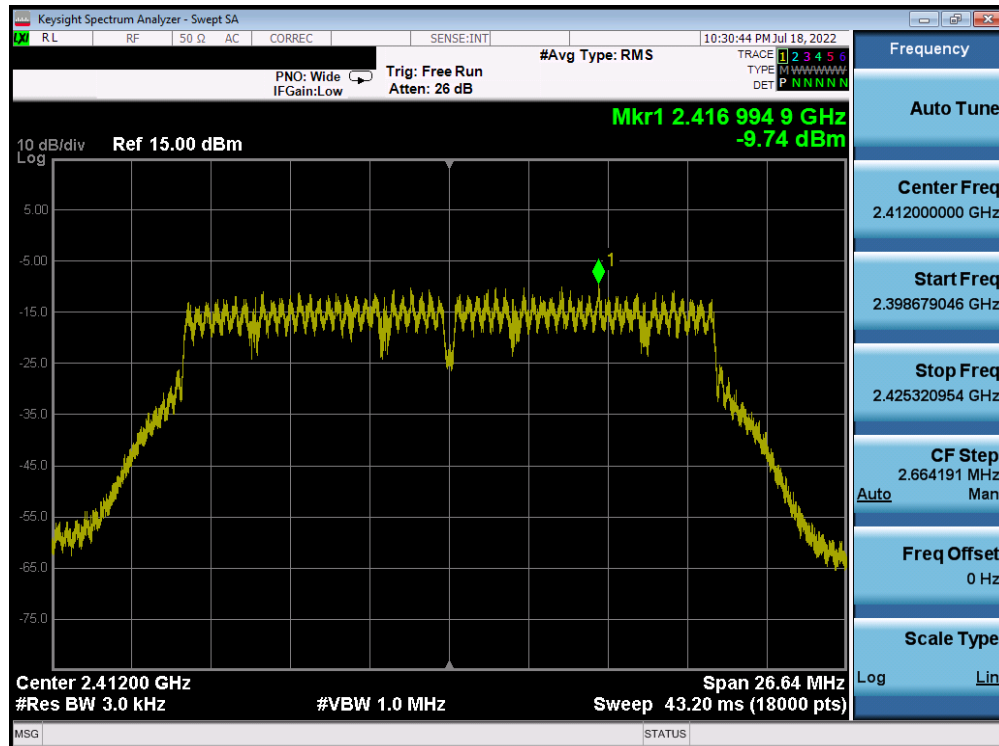
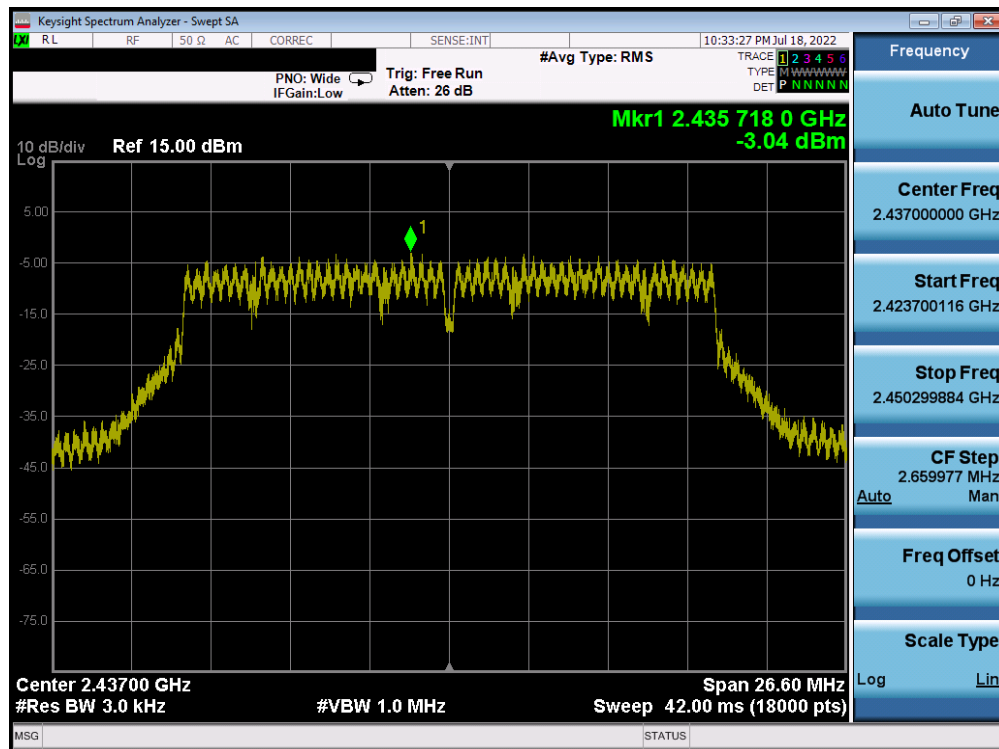


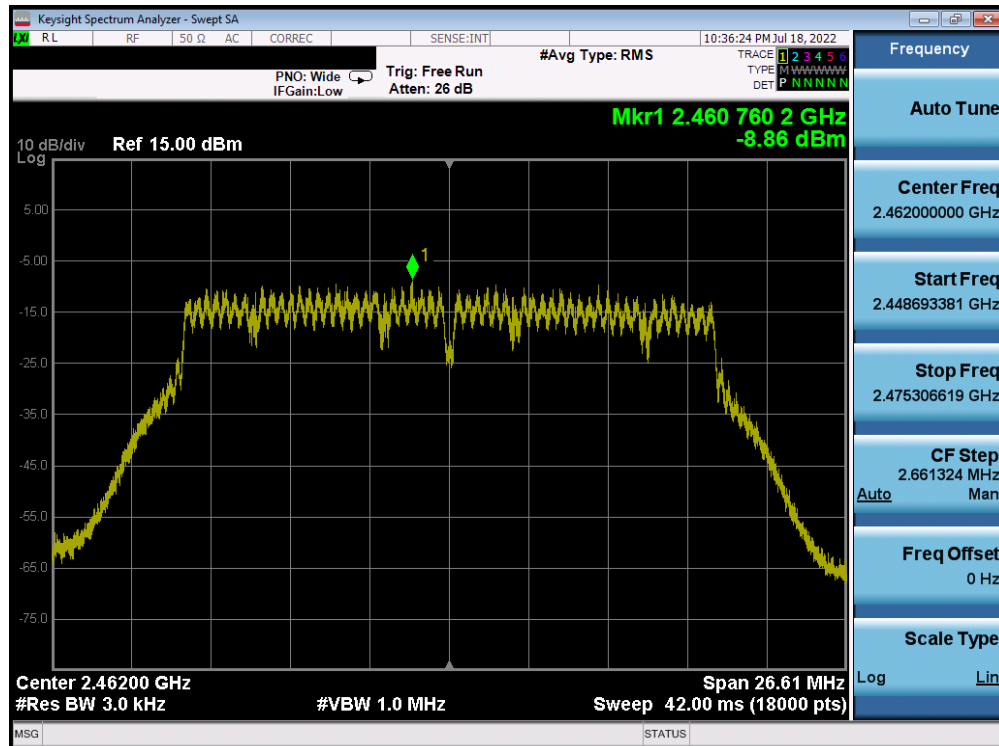


Plot 7-85. Power Spectral Density Plot Antenna 4a (802.11n (2.4GHz) – Ch. 1) – MCS5

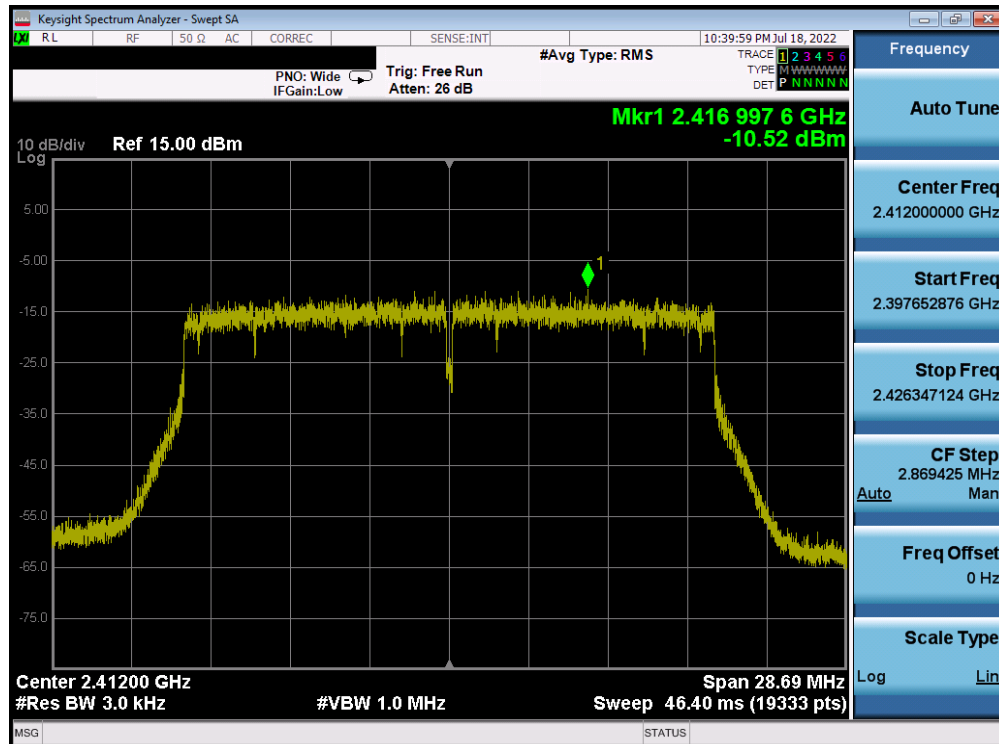


Plot 7-86. Power Spectral Density Plot Antenna 4a (802.11n (2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 84 of 434



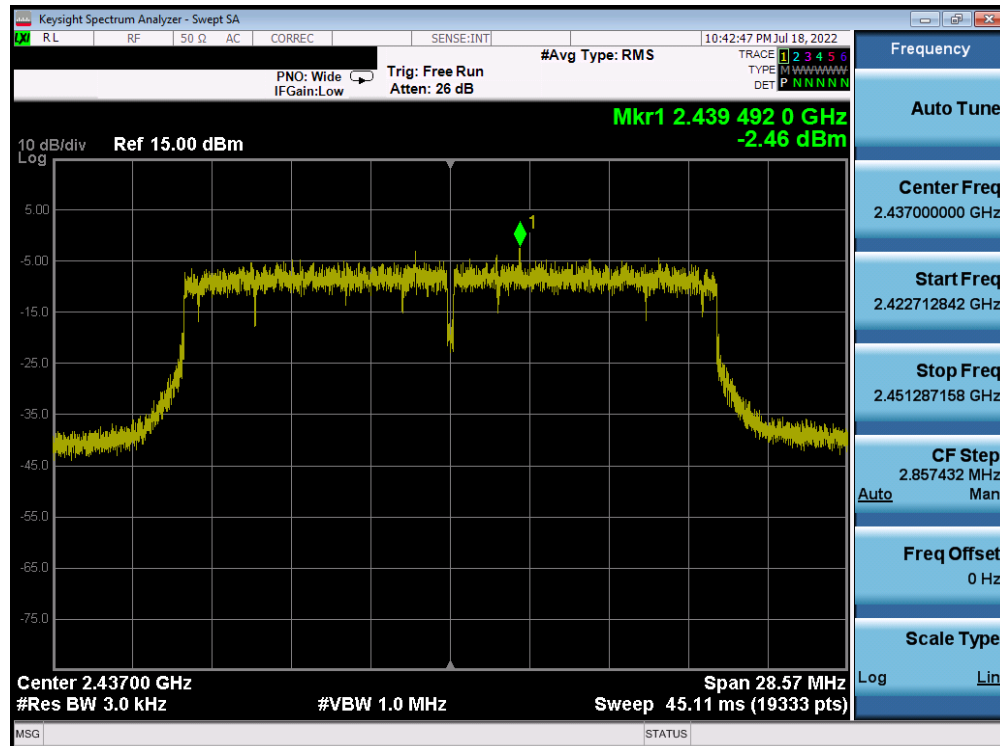
Plot 7-87. Power Spectral Density Plot Antenna 4a (802.11n (2.4GHz) – Ch. 11) – MCS5



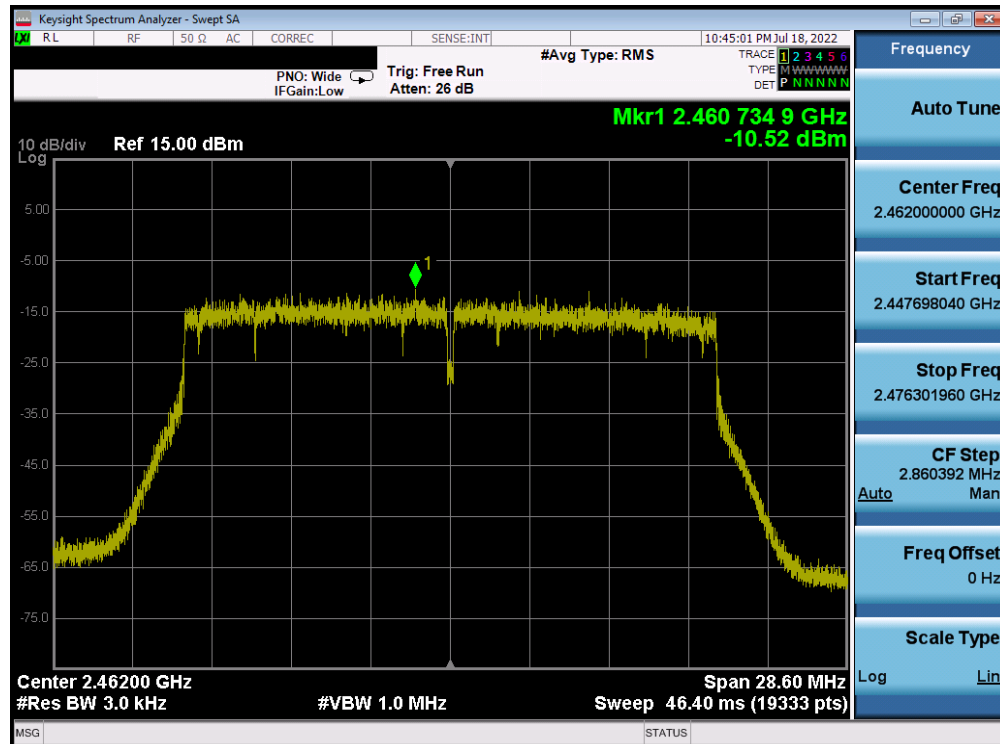
Plot 7-88. Power Spectral Density Plot Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 85 of 434

V 10.5 12/15/2021



Plot 7-89. Power Spectral Density Plot Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5



Plot 7-90. Power Spectral Density Plot Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 86 of 434

Antenna 2a Power Spectral Density Measurements

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	g	12	-8.32	8.00	-16.32	Pass
2437	6	g	12	-0.31	8.00	-8.31	Pass
2462	11	g	12	-6.73	8.00	-14.73	Pass
2412	1	n	19.5/21.7 (MCS2)	-10.10	8.00	-18.10	Pass
2437	6	n	19.5/21.7 (MCS2)	-4.19	8.00	-12.19	Pass
2462	11	n	19.5/21.7 (MCS2)	-8.52	8.00	-16.52	Pass
2412	1	ax (SU)	24/25.8 (MCS2)	-9.82	8.00	-17.82	Pass
2437	6	ax (SU)	24/25.8 (MCS2)	-4.95	8.00	-12.95	Pass
2462	11	ax (SU)	24/25.8 (MCS2)	-12.19	8.00	-20.19	Pass

Table 7-41. Conducted Power Density Measurements Antenna 2a (Low Data Rate)

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	g	18	-10.84	8.00	-18.84	Pass
2437	6	g	18	-2.17	8.00	-10.17	Pass
2462	11	g	18	-9.44	8.00	-17.44	Pass
2412	1	n	26/28.9 (MCS3)	-9.87	8.00	-17.87	Pass
2437	6	n	26/28.9 (MCS3)	-2.55	8.00	-10.55	Pass
2462	11	n	26/28.9 (MCS3)	-10.29	8.00	-18.29	Pass
2412	1	ax (SU)	33/34.4 (MCS3)	-11.08	8.00	-19.08	Pass
2437	6	ax (SU)	33/34.4 (MCS3)	-2.82	8.00	-10.82	Pass
2462	11	ax (SU)	33/34.4 (MCS3)	-10.90	8.00	-18.90	Pass

Table 7-42. Conducted Power Density Measurements Antenna 2a (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 87 of 434

V 10.5 12/15/2021

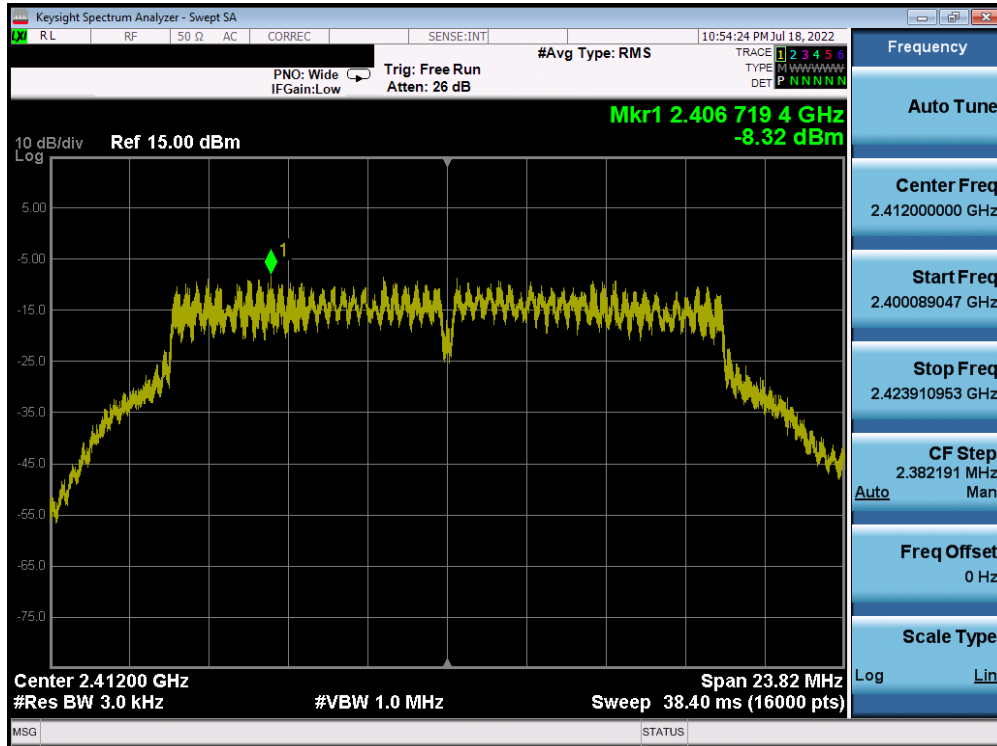
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	b	11	-1.50	8.00	-9.50	Pass
2437	6	b	11	0.55	8.00	-7.45	Pass
2462	11	b	11	0.16	8.00	-7.84	Pass
2412	1	g	36	-9.50	8.00	-17.50	Pass
2437	6	g	36	-3.06	8.00	-11.06	Pass
2462	11	g	36	-8.70	8.00	-16.70	Pass
2412	1	n	52/57.8 (MCS5)	-9.80	8.00	-17.80	Pass
2437	6	n	52/57.8 (MCS5)	-3.61	8.00	-11.61	Pass
2462	11	n	52/57.8 (MCS5)	-10.10	8.00	-18.10	Pass
2412	1	ax (SU)	65/68.8 (MCS5)	-9.40	8.00	-17.40	Pass
2437	6	ax (SU)	65/68.8 (MCS5)	-3.50	8.00	-11.50	Pass
2462	11	ax (SU)	65/68.8 (MCS5)	-11.00	8.00	-19.00	Pass

Table 7-43. Conducted Power Density Measurements Antenna 2a (High Data Rate)

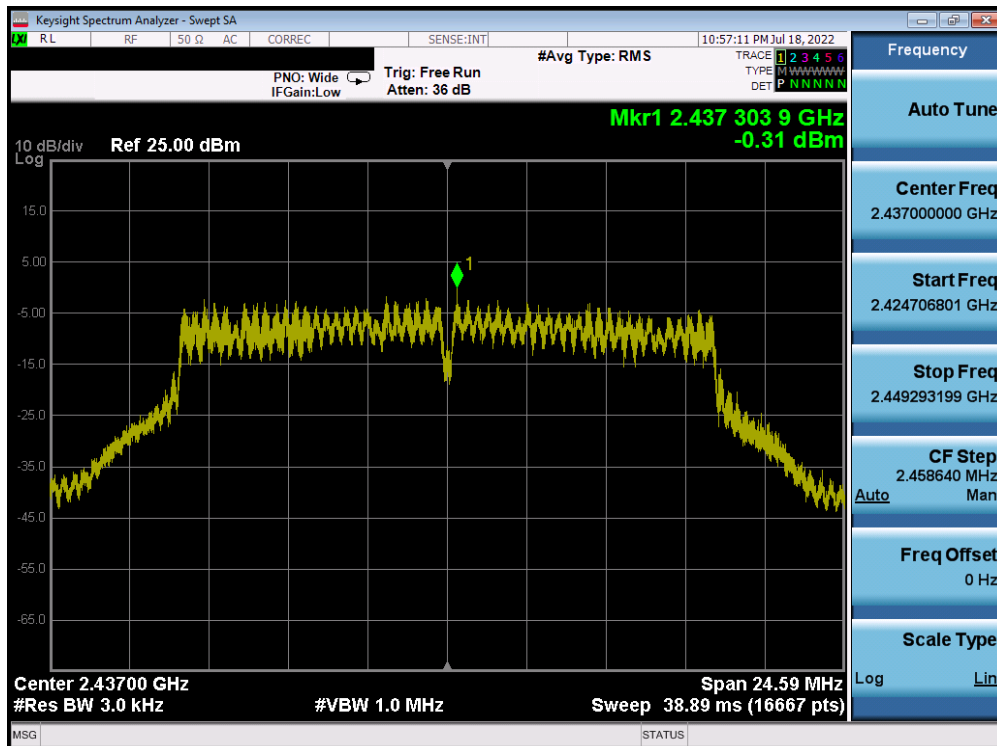
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 88 of 434

V 10.5 12/15/2021

Low Data Rate



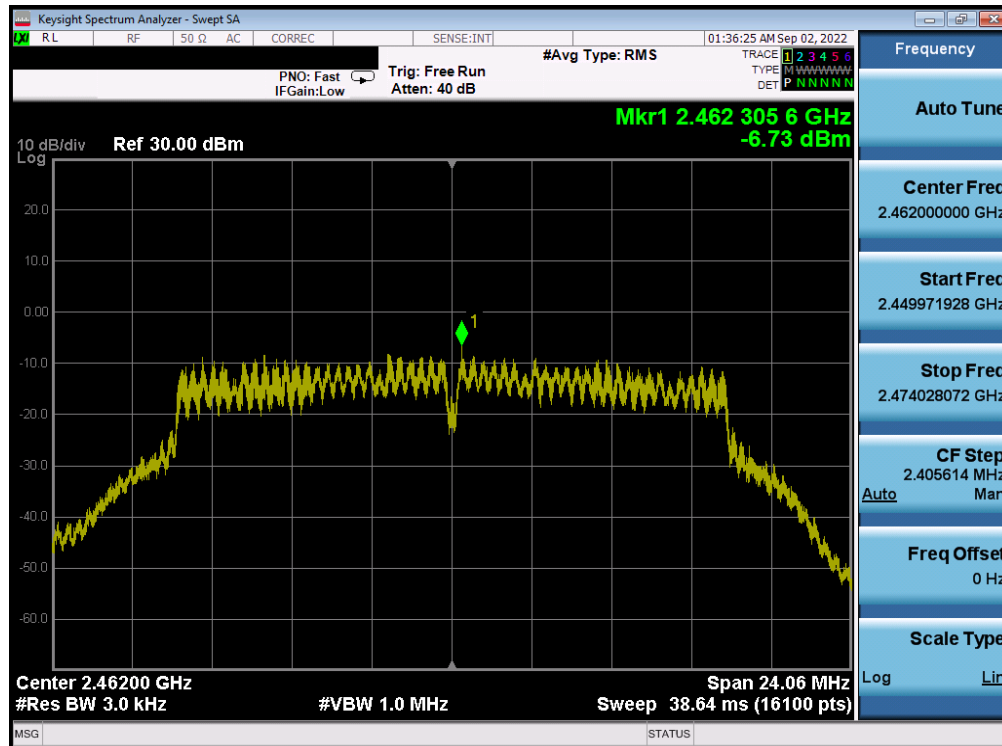
Plot 7-91. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 1) – 12Mbps



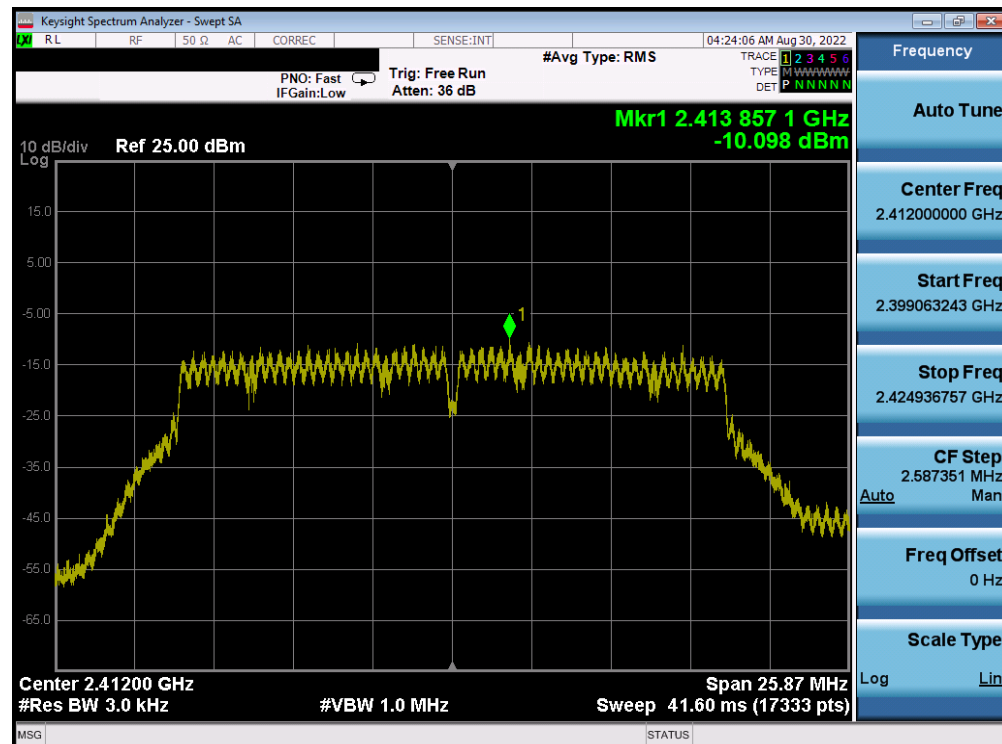
Plot 7-92. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 6) – 12Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 89 of 434

V 10.5 12/15/2021



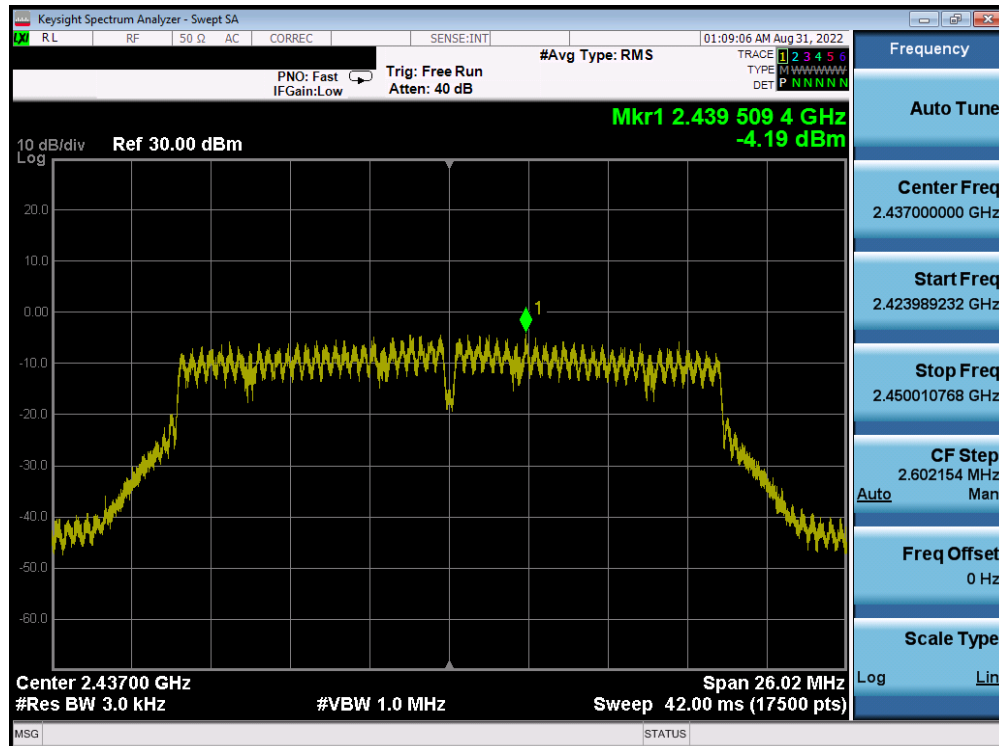
Plot 7-93. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 11) – 12Mbps



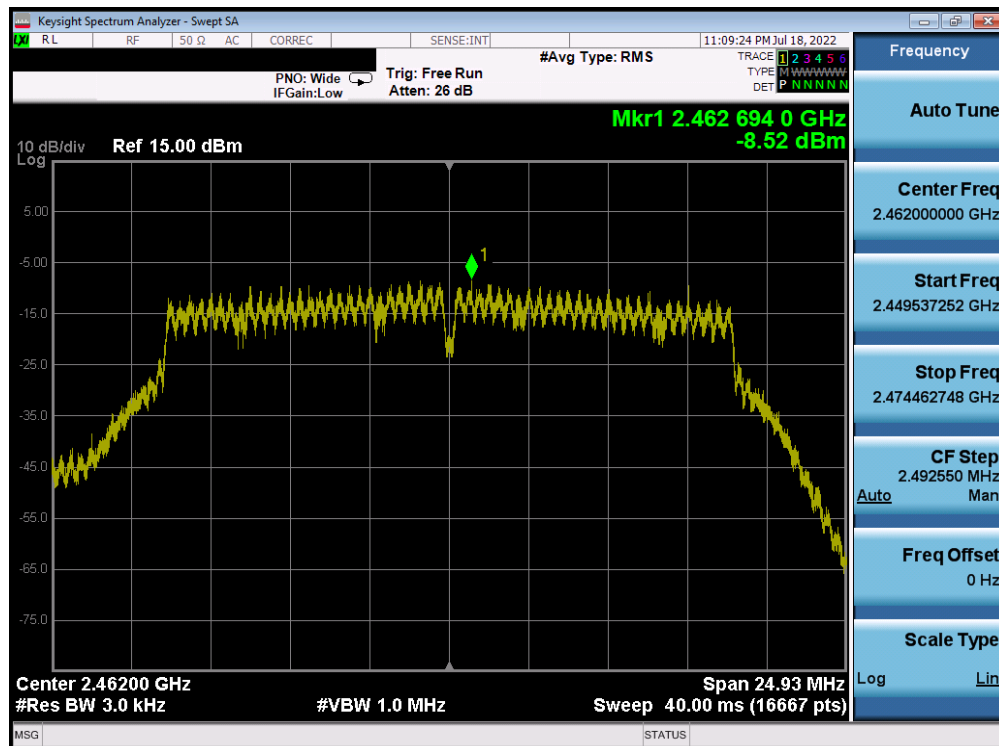
Plot 7-94. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 1) – MCS2

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 90 of 434

V 10.5 12/15/2021



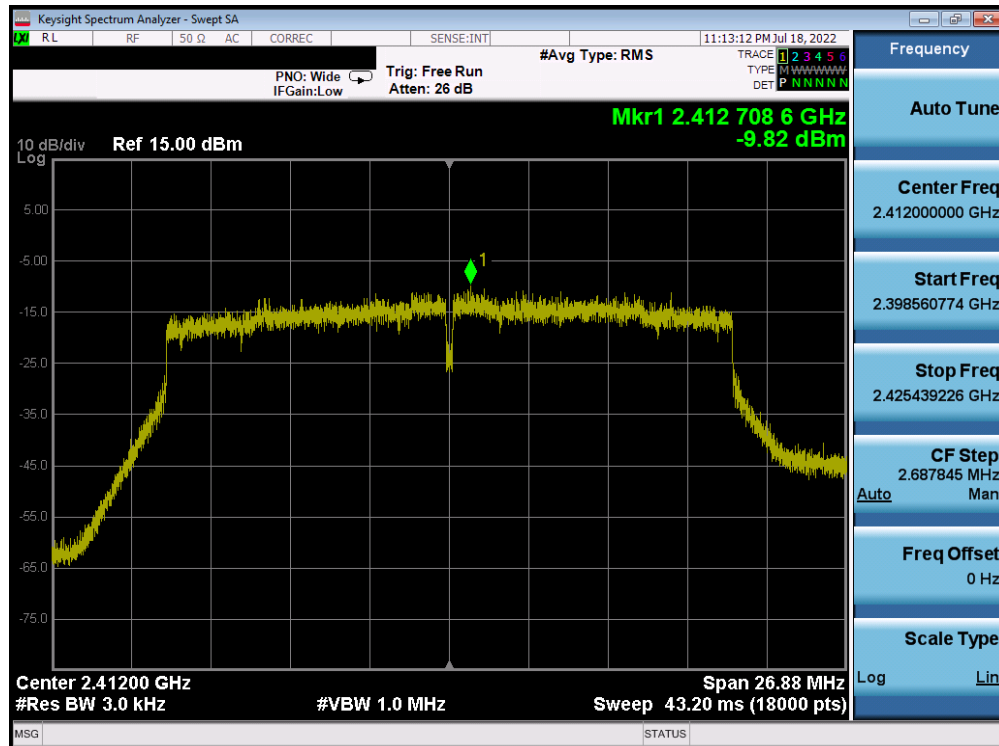
Plot 7-95. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 6) – MCS2



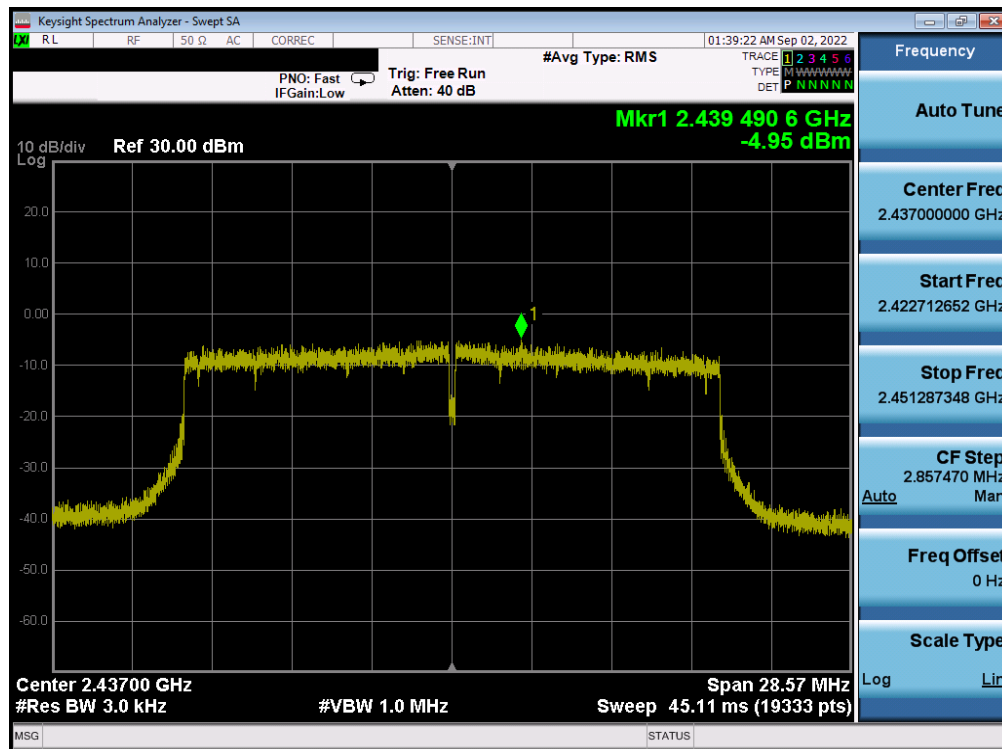
Plot 7-96. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 11) – MCS2

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 91 of 434

V 10.5 12/15/2021



Plot 7-97. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS2

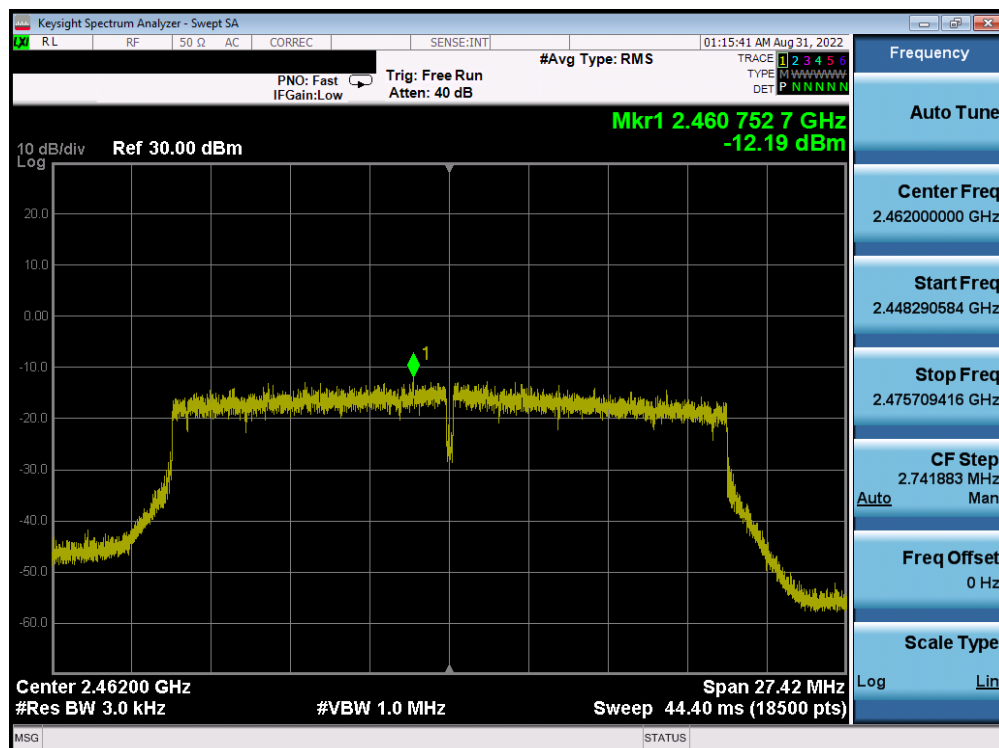


Plot 7-98. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS2

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 92 of 434

V 10.5 12/15/2021

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

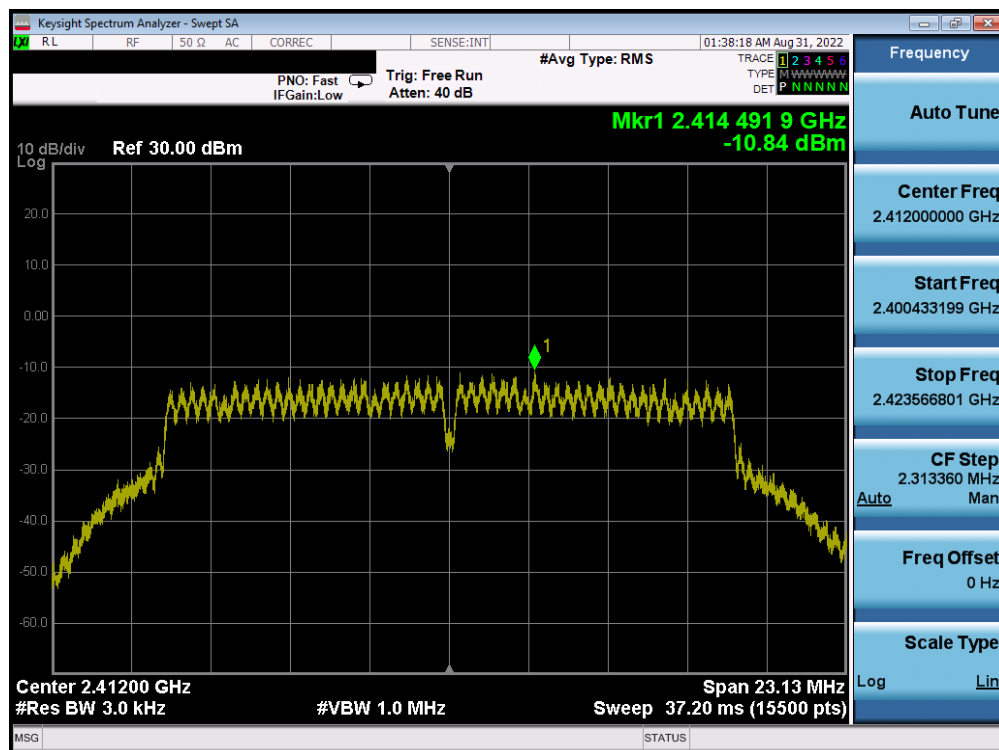


Plot 7-99. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS2

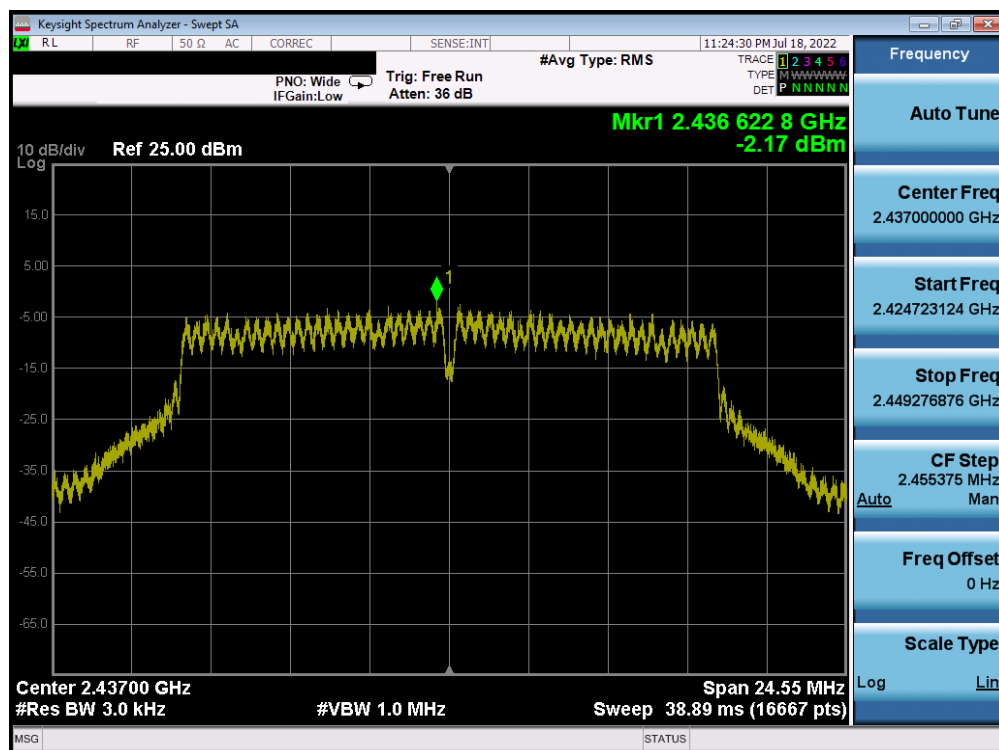
FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 93 of 434

V 10.5 12/15/2021

Mid Data Rate



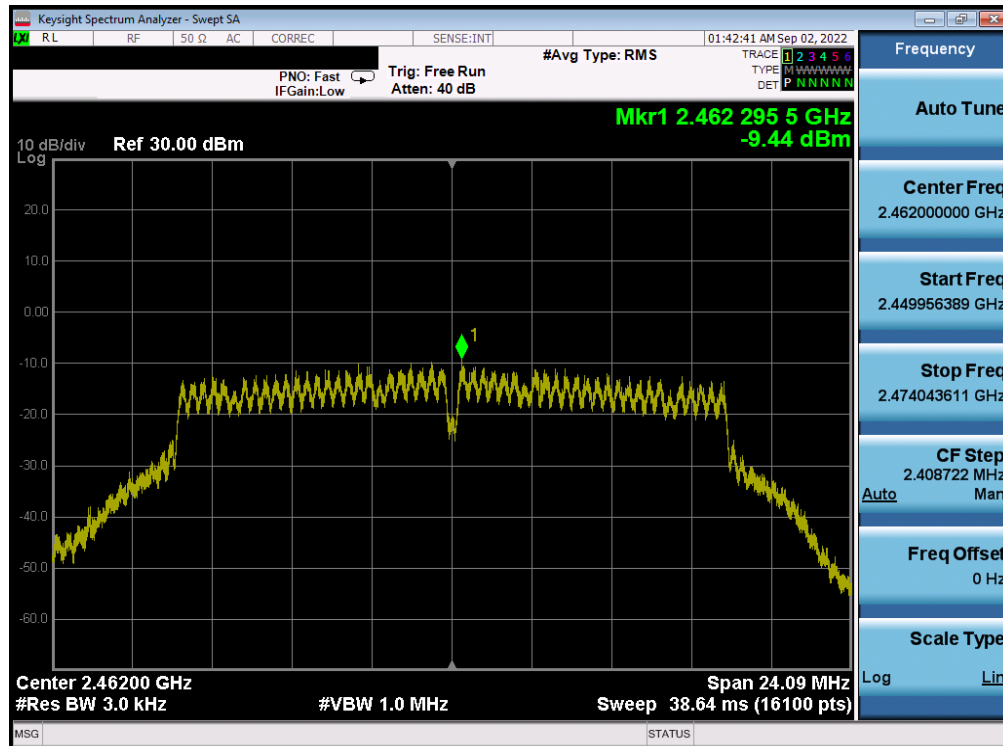
Plot 7-100. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 1) – 18Mbps



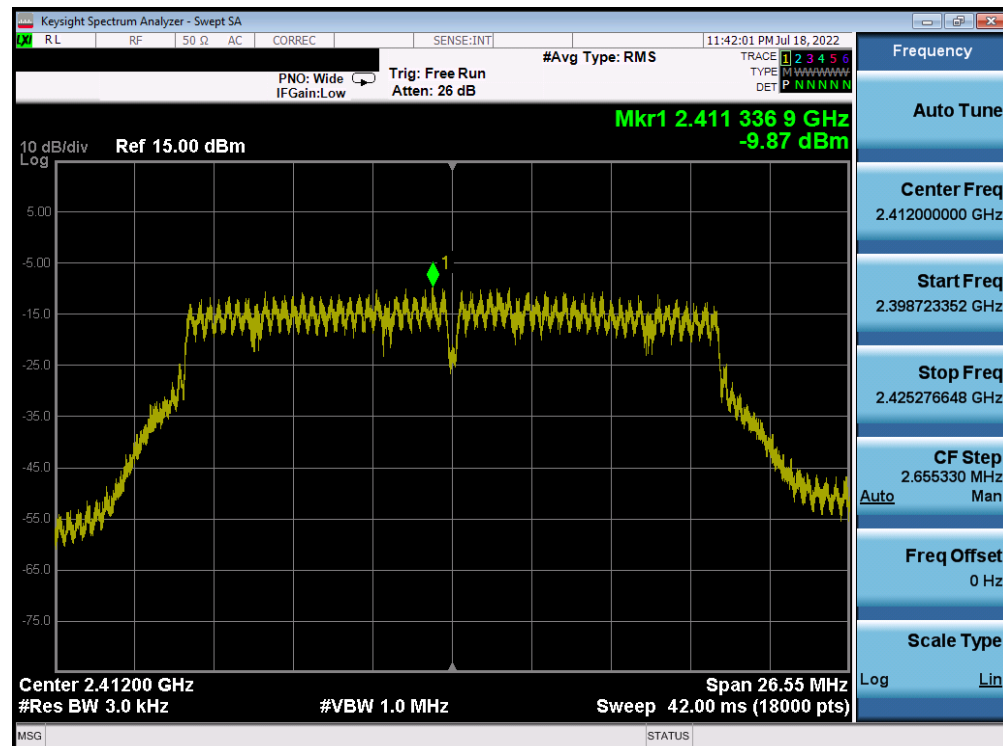
Plot 7-101. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 6) – 18Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 94 of 434

V 10.5 12/15/2021

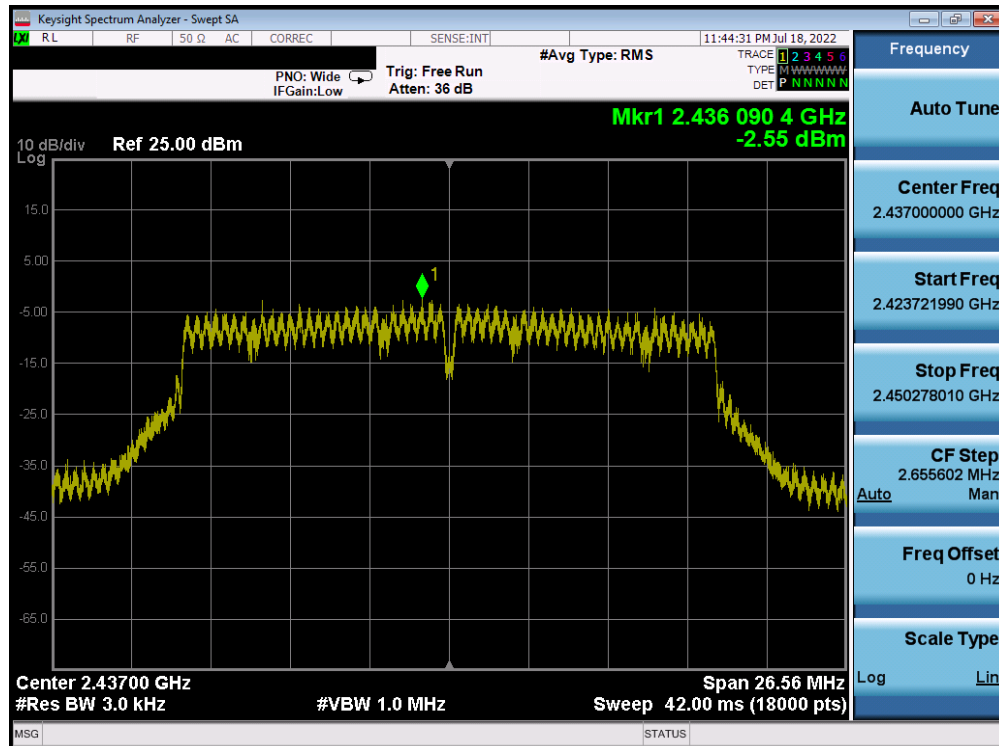


Plot 7-102. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 11) – 18Mbps

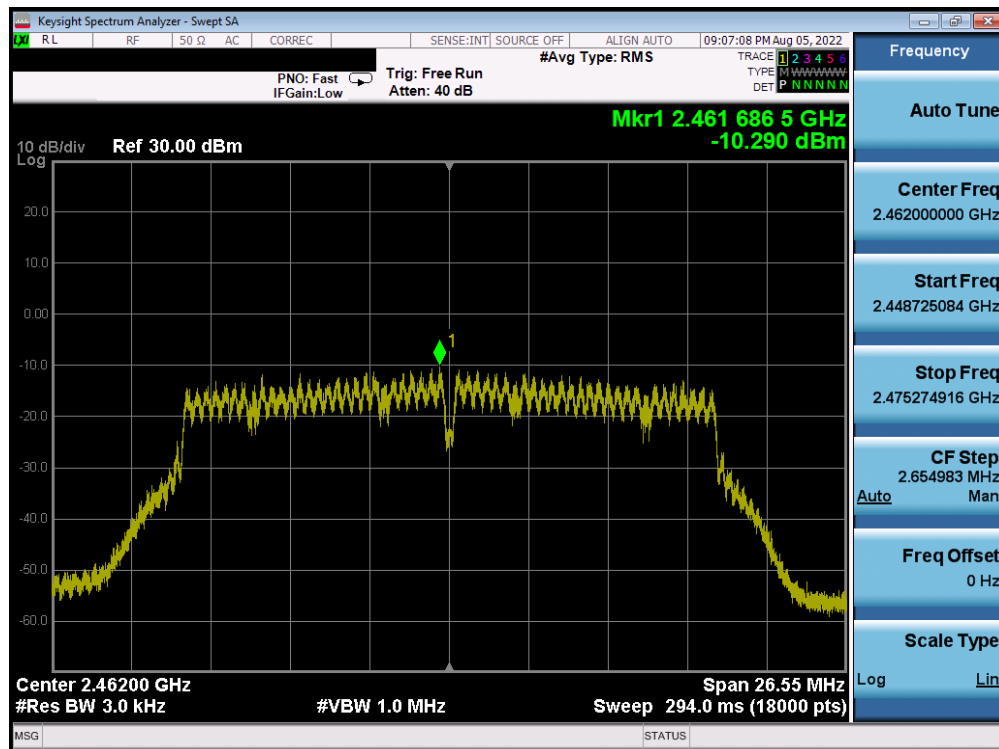


Plot 7-103. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 95 of 434



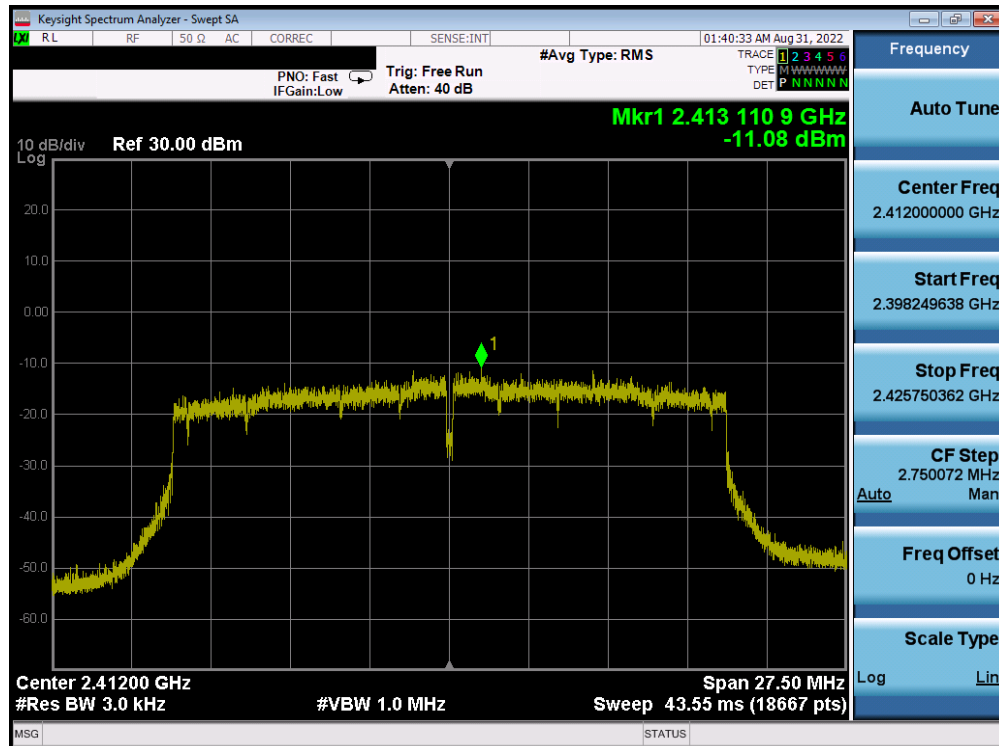
Plot 7-104. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 6) – MCS3



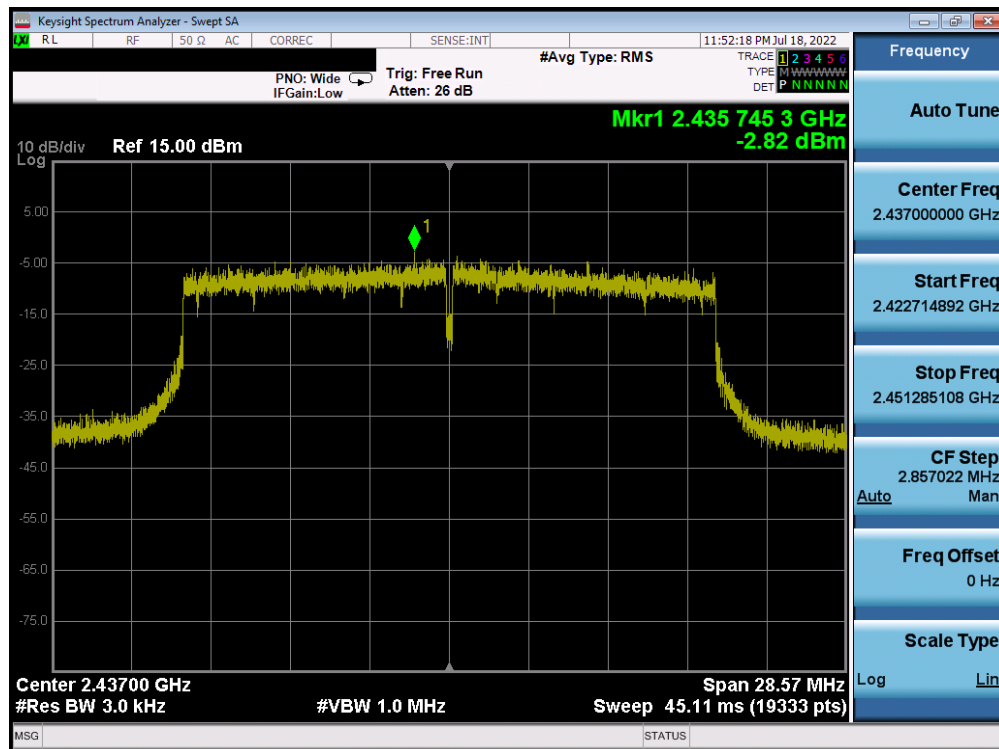
Plot 7-105. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 96 of 434

V 10.5 12/15/2021



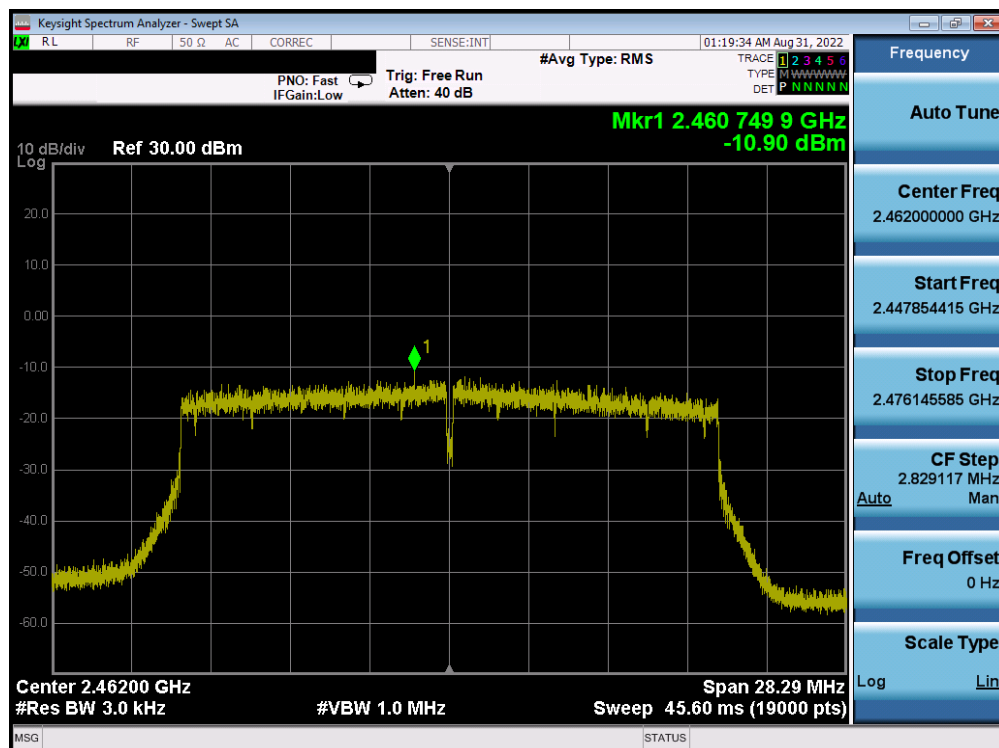
Plot 7-106. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3



Plot 7-107. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 97 of 434

V 10.5 12/15/2021

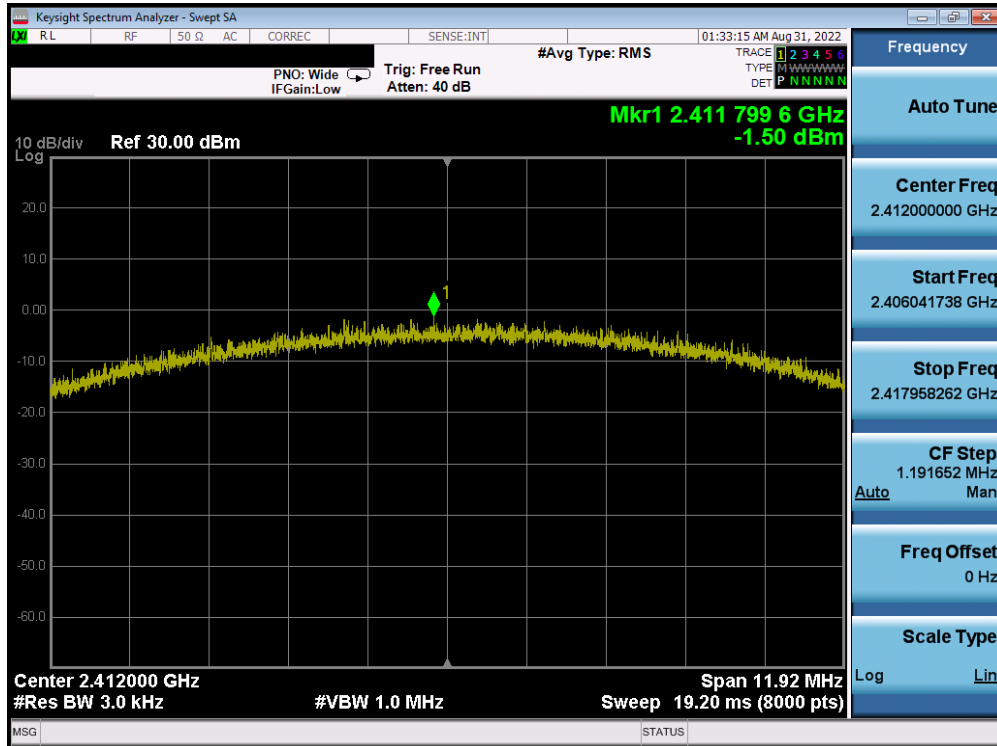


Plot 7-108. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3

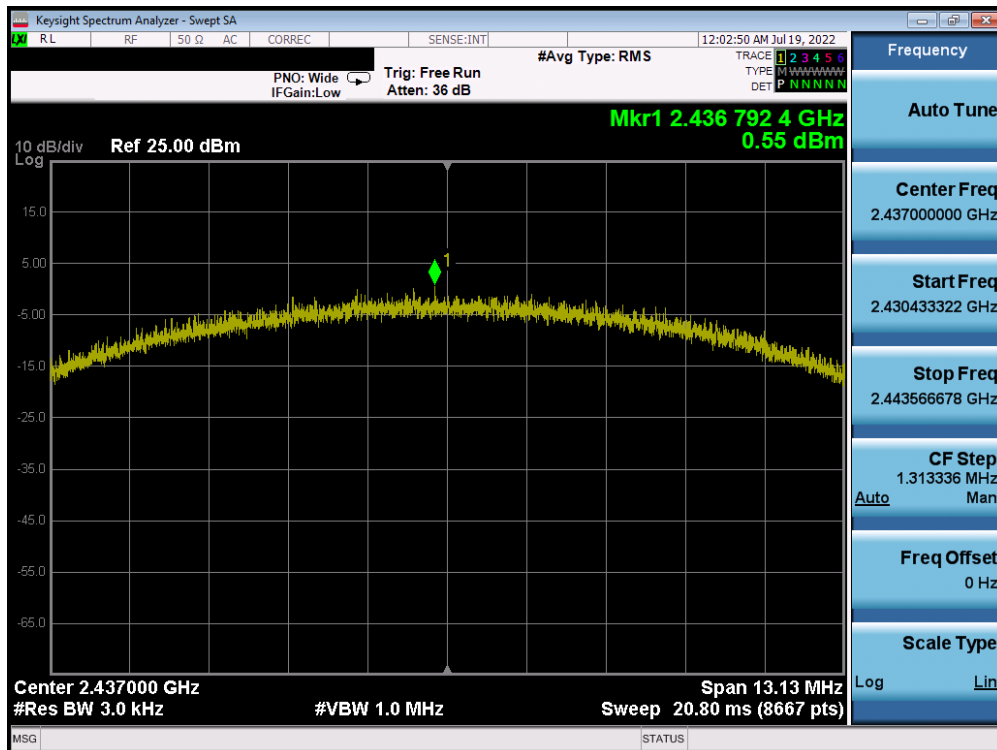
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 98 of 434

V 10.5 12/15/2021

High Data Rate



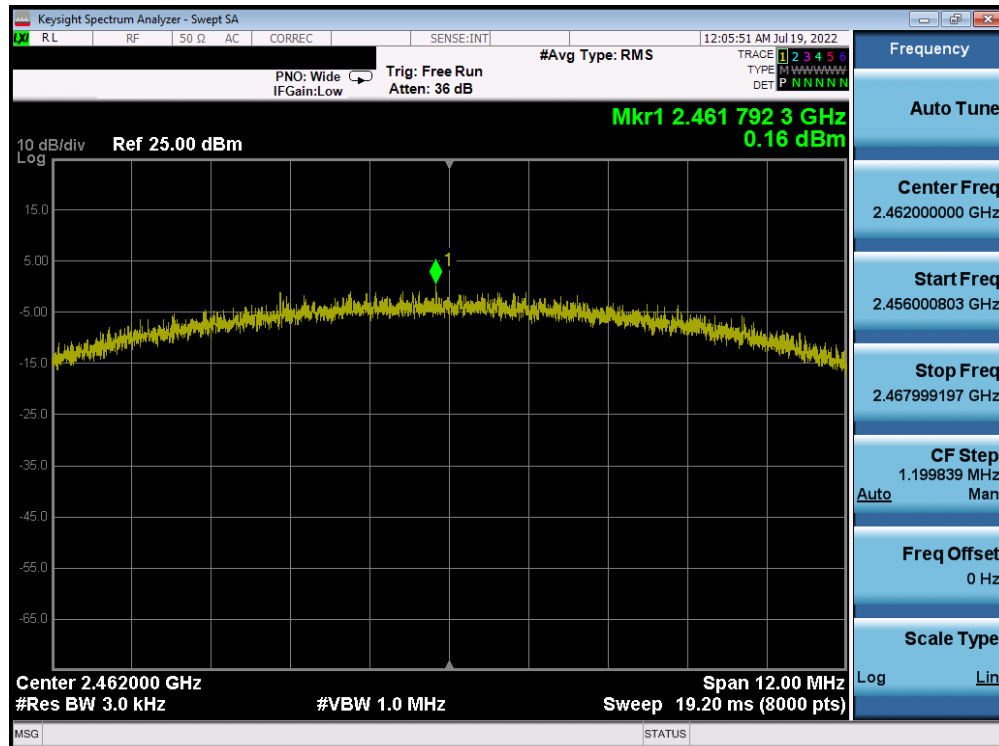
Plot 7-109. Power Spectral Density Plot Antenna 2a (802.11b – Ch. 1) – 11Mbps



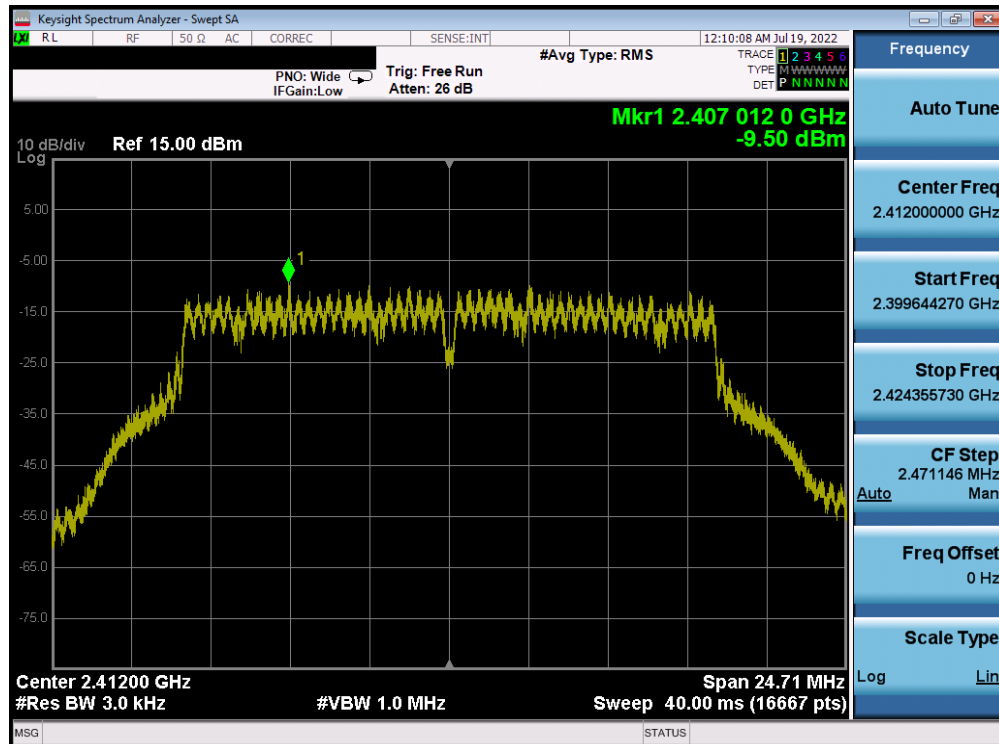
Plot 7-110. Power Spectral Density Plot Antenna 2a (802.11b – Ch. 6) – 11Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 99 of 434

V 10.5 12/15/2021



Plot 7-111. Power Spectral Density Plot Antenna 2a (802.11b – Ch. 11) – 11Mbps

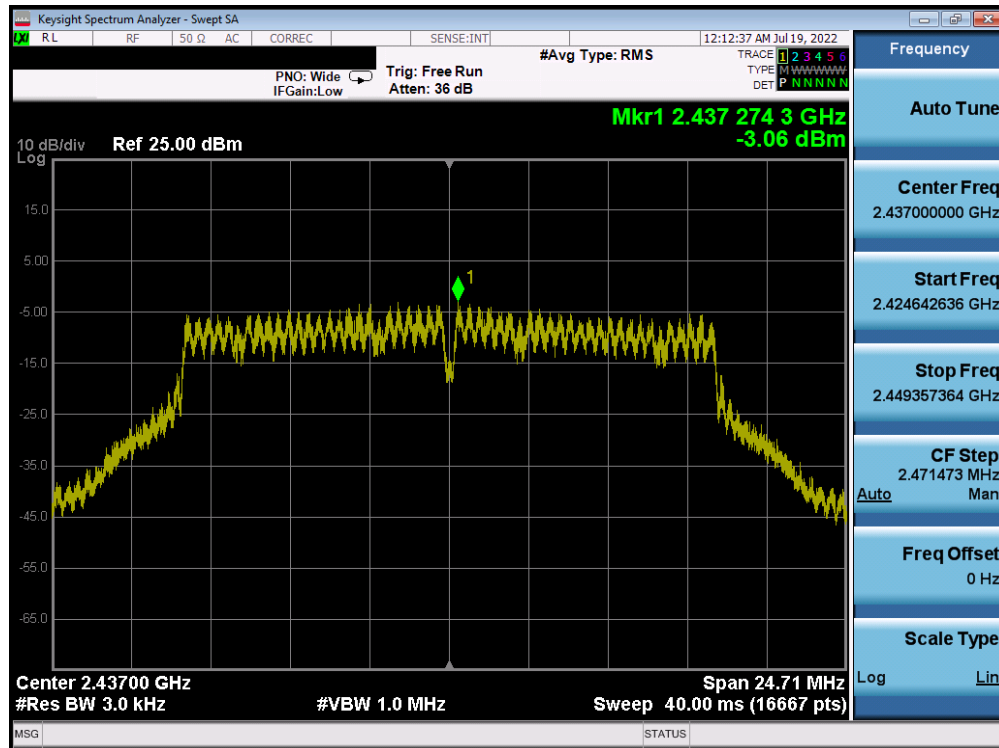


Plot 7-112. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 1) – 36Mbps

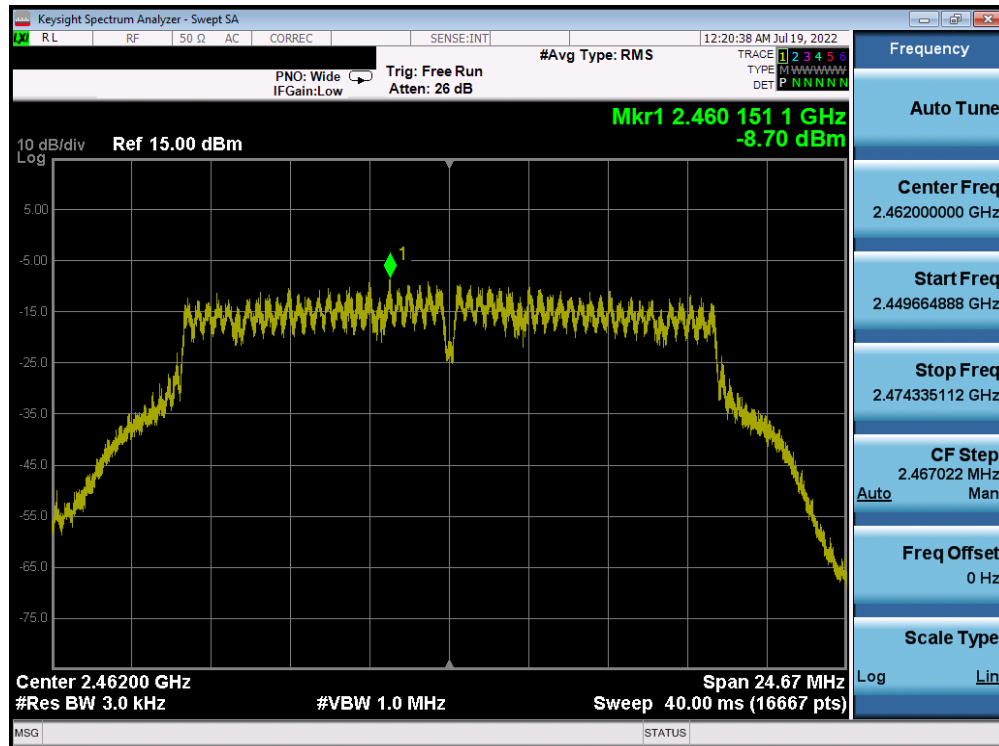
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 100 of 434

V 10.5 12/15/2021

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



Plot 7-113. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 6) – 36Mbps

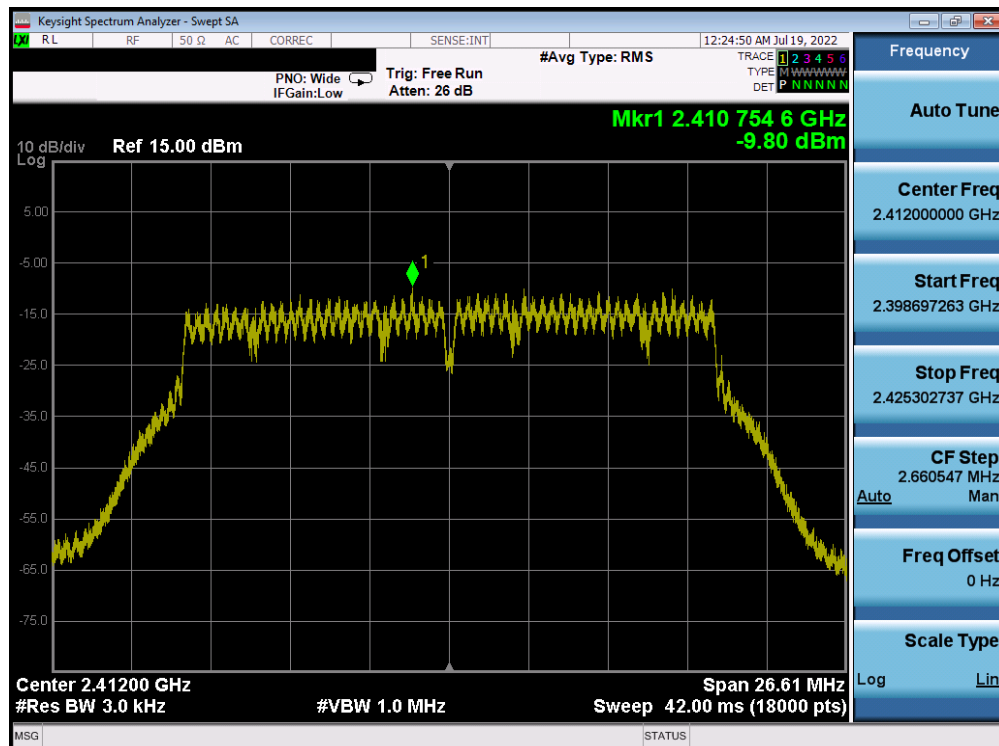


Plot 7-114. Power Spectral Density Plot Antenna 2a (802.11g – Ch. 11) – 36Mbps

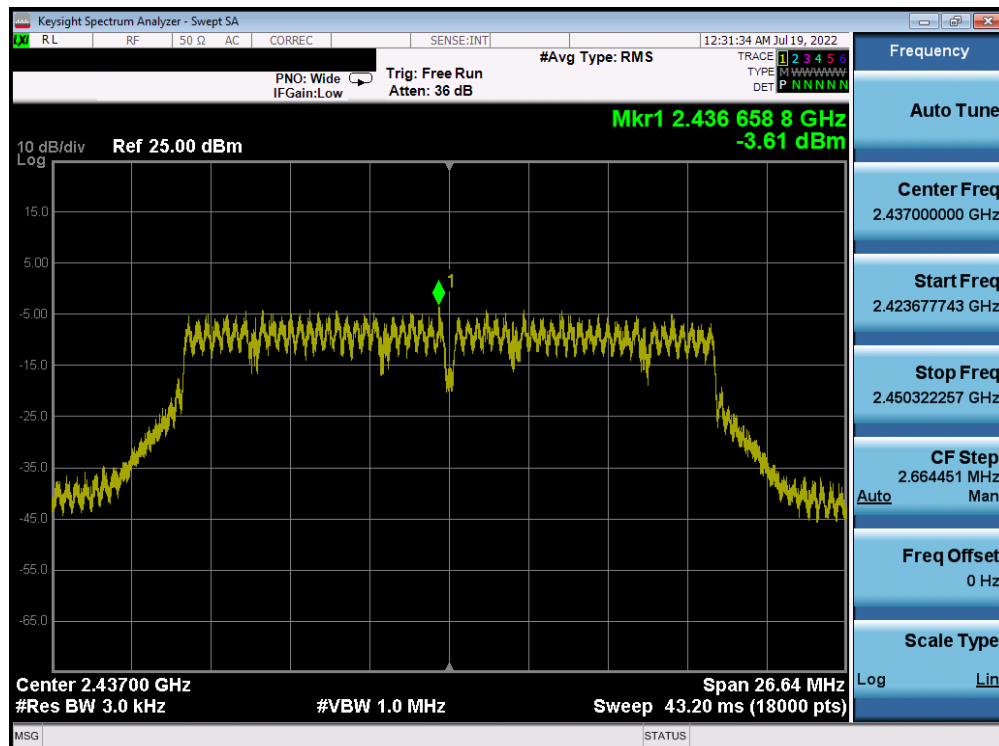
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 101 of 434

V 10.5 12/15/2021

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



Plot 7-115. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 1) – MCS5

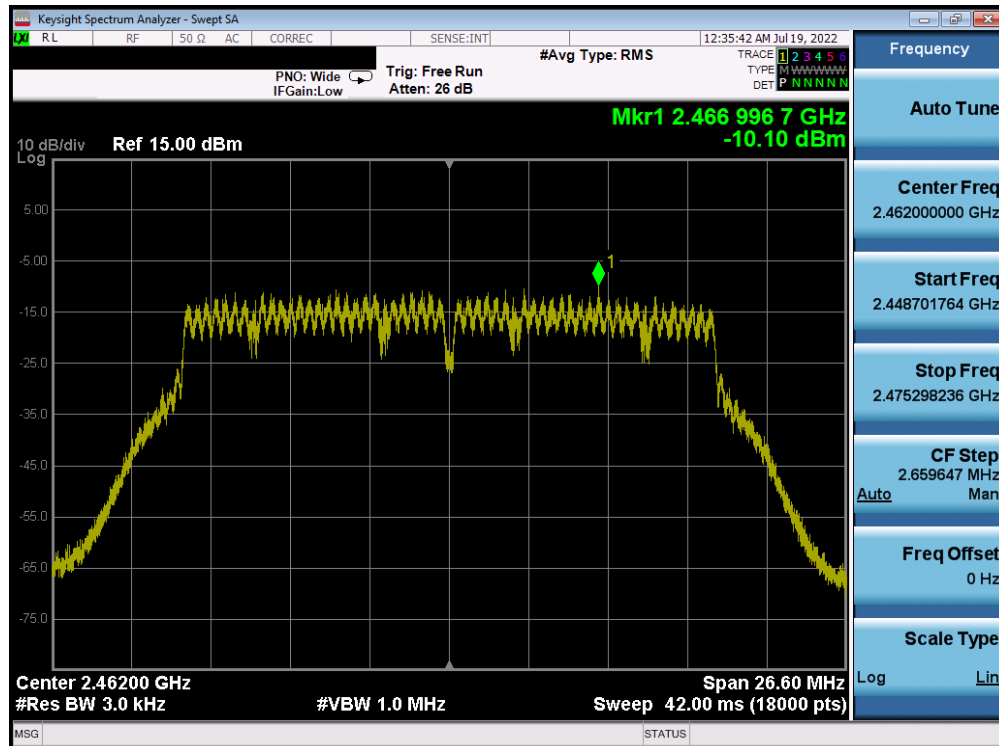


Plot 7-116. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 6) – MCS5

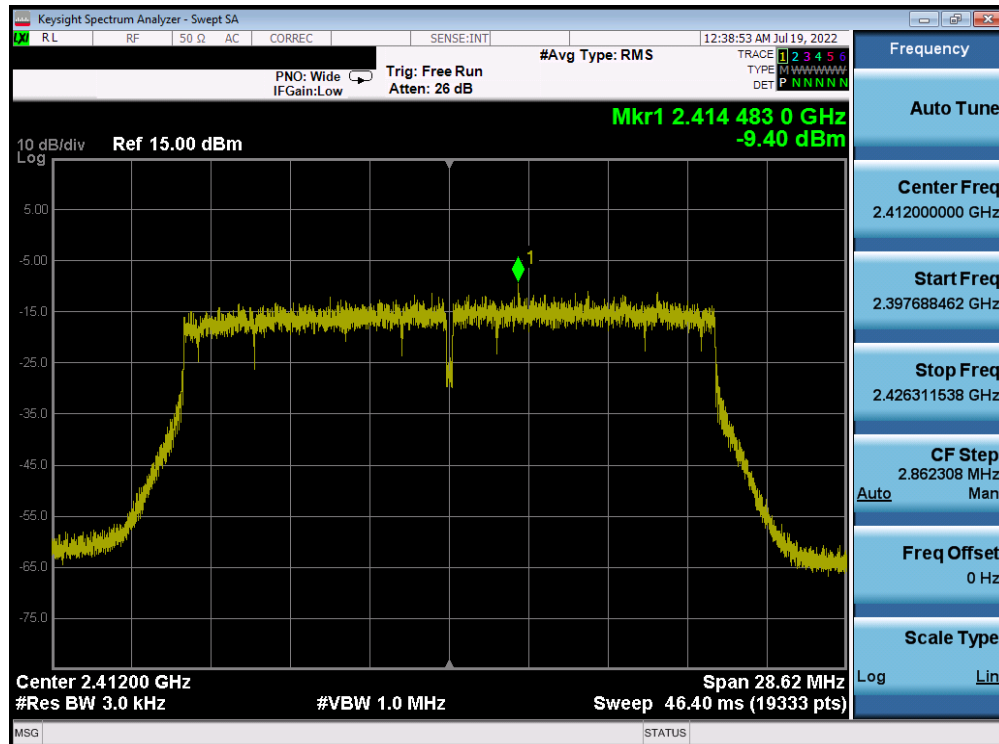
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 102 of 434

V 10.5 12/15/2021

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

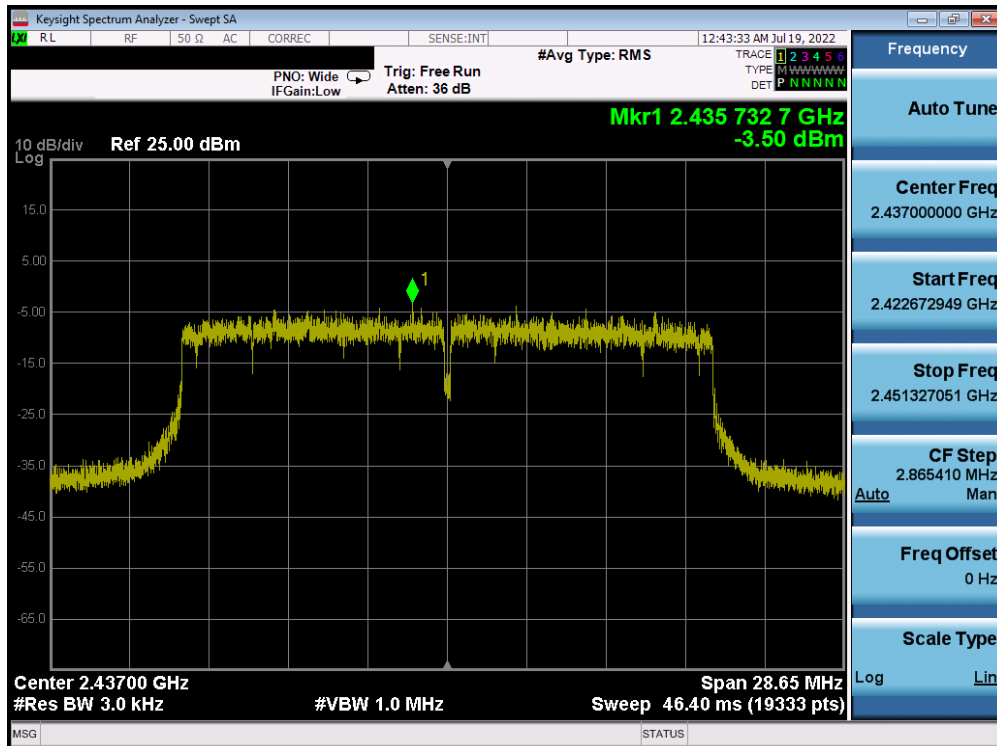


Plot 7-117. Power Spectral Density Plot Antenna 2a (802.11n (2.4GHz) – Ch. 11) – MCS5

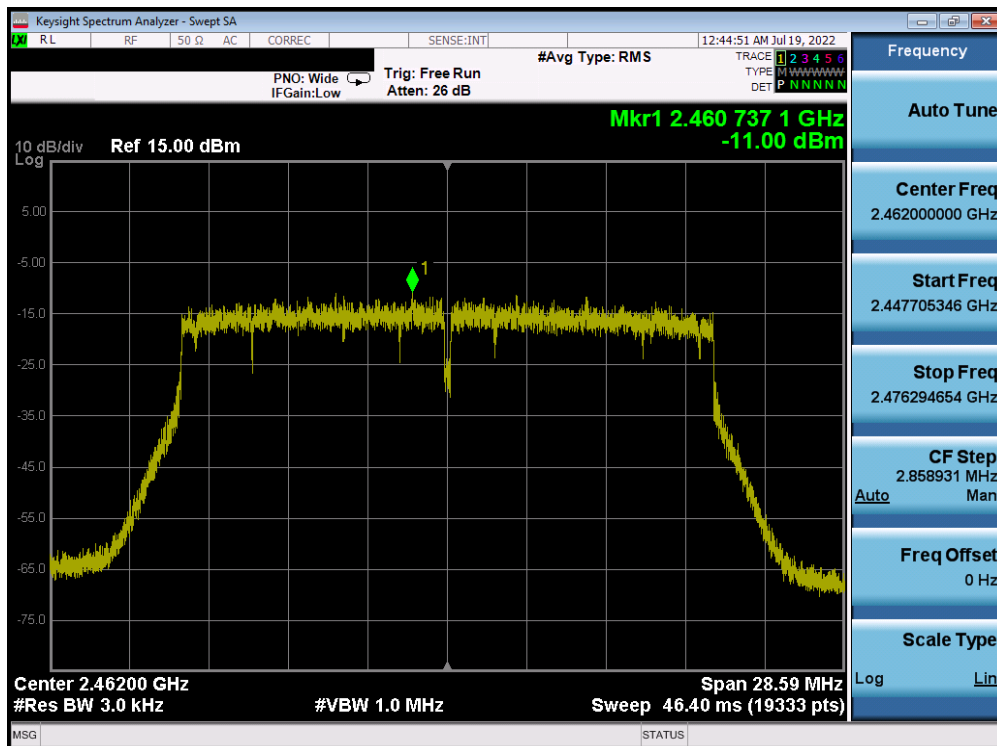


Plot 7-118. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 103 of 434



Plot 7-119. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5



Plot 7-120. Power Spectral Density Plot Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 104 of 434

CDD Power Spectral Density Measurements

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Power Spectral Density [dBm / 3kHz]			Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
				Antenna 4a	Antenna 2a	Summed CDD			
2412	1	g	12	-8.96	-9.69	-6.30	8.00	-14.30	Pass
2437	6	g	12	-1.06	0.30	2.68	8.00	-5.32	Pass
2462	11	g	12	-8.63	-8.51	-5.56	8.00	-13.56	Pass
2412	1	n	39/43.3 (MCS10)	-9.17	-8.37	-5.74	8.00	-13.74	Pass
2437	6	n	39/43.3 (MCS10)	-2.30	-2.87	0.43	8.00	-7.57	Pass
2462	11	n	39/43.3 (MCS10)	-7.33	-6.73	-4.01	8.00	-12.01	Pass
2412	1	ax (SU)	48/51.6 (MCS2)	-10.38	-10.92	-7.63	8.00	-15.63	Pass
2437	6	ax (SU)	48/51.6 (MCS2)	-2.55	-2.88	0.30	8.00	-7.70	Pass
2462	11	ax (SU)	48/51.6 (MCS2)	-10.09	-11.34	-7.66	8.00	-15.66	Pass

Table 7-44.CDD Conducted Power Density Measurements (Low Data Rate)

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Power Spectral Density [dBm / 3kHz]			Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
				Antenna 4a	Antenna 2a	Summed CDD			
2412	1	g	18	-9.99	-9.83	-6.90	8.00	-14.90	Pass
2437	6	g	18	-1.76	-2.69	0.81	8.00	-7.19	Pass
2462	11	g	18	-9.91	-9.29	-6.58	8.00	-14.58	Pass
2412	1	n	52/57.8 (MCS11)	-9.72	-9.23	-6.46	8.00	-14.46	Pass
2437	6	n	52/57.8 (MCS11)	-1.60	-1.39	1.52	8.00	-6.48	Pass
2462	11	n	52/57.8 (MCS11)	-8.02	-7.33	-4.65	8.00	-12.65	Pass
2412	1	ax (SU)	66/68.8 (MCS3)	-10.58	-10.44	-7.50	8.00	-15.50	Pass
2437	6	ax (SU)	66/68.8 (MCS3)	-3.65	-4.69	-1.13	8.00	-9.13	Pass
2462	11	ax (SU)	66/68.8 (MCS3)	-11.62	-11.80	-8.70	8.00	-16.70	Pass

Table 7-45.CDD Conducted Power Density Measurements (Mid Data Rate)

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 105 of 434

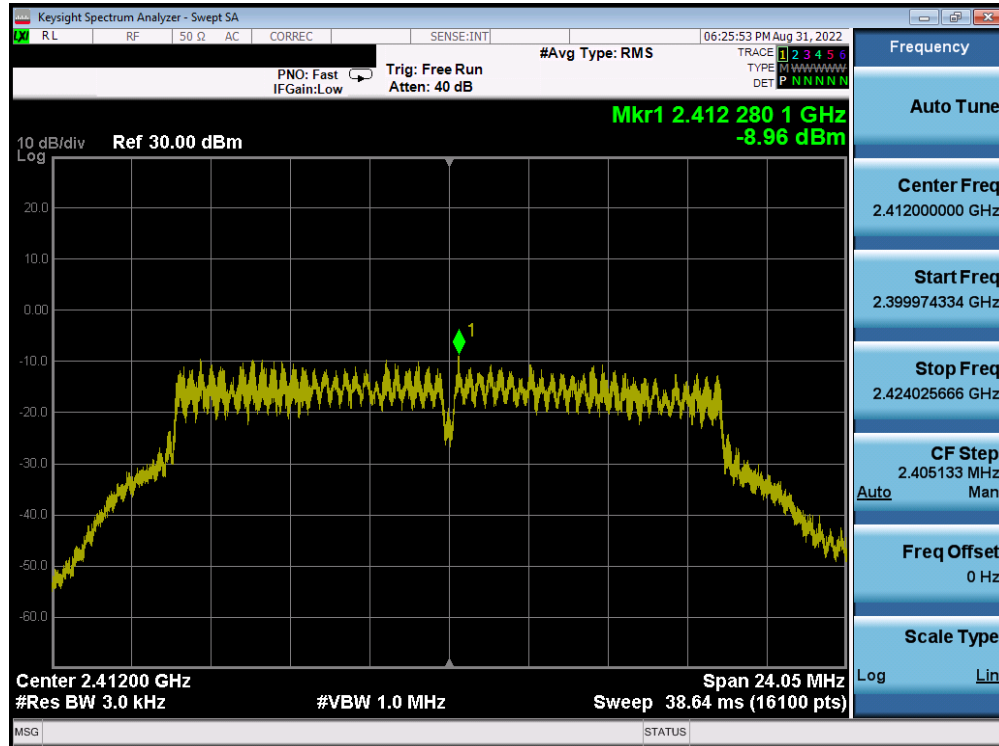
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Power Spectral Density [dBm / 3kHz]			Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
				Antenna 4a	Antenna 2a	Summed CDD			
2412	1	g	36	-9.63	-8.76	-6.16	8.00	-14.16	Pass
2437	6	g	36	-2.06	-2.78	0.60	8.00	-7.40	Pass
2462	11	g	36	-8.96	-8.69	-5.81	8.00	-13.81	Pass
2412	1	n	104/115.6 (MCS13)	-9.42	-9.91	-6.64	8.00	-14.64	Pass
2437	6	n	104/115.6 (MCS13)	-3.14	-2.58	0.16	8.00	-7.84	Pass
2462	11	n	104/115.6 (MCS13)	-9.30	-9.07	-6.17	8.00	-14.17	Pass
2412	1	ax (SU)	130/137.6 (MCS5)	-11.19	-9.86	-7.46	8.00	-15.46	Pass
2437	6	ax (SU)	130/137.6 (MCS5)	-5.66	-6.17	-2.90	8.00	-10.90	Pass
2462	11	ax (SU)	130/137.6 (MCS5)	-11.45	-11.67	-8.55	8.00	-16.55	Pass

Table 7-46.CDD Conducted Power Density Measurements (High Data Rate)

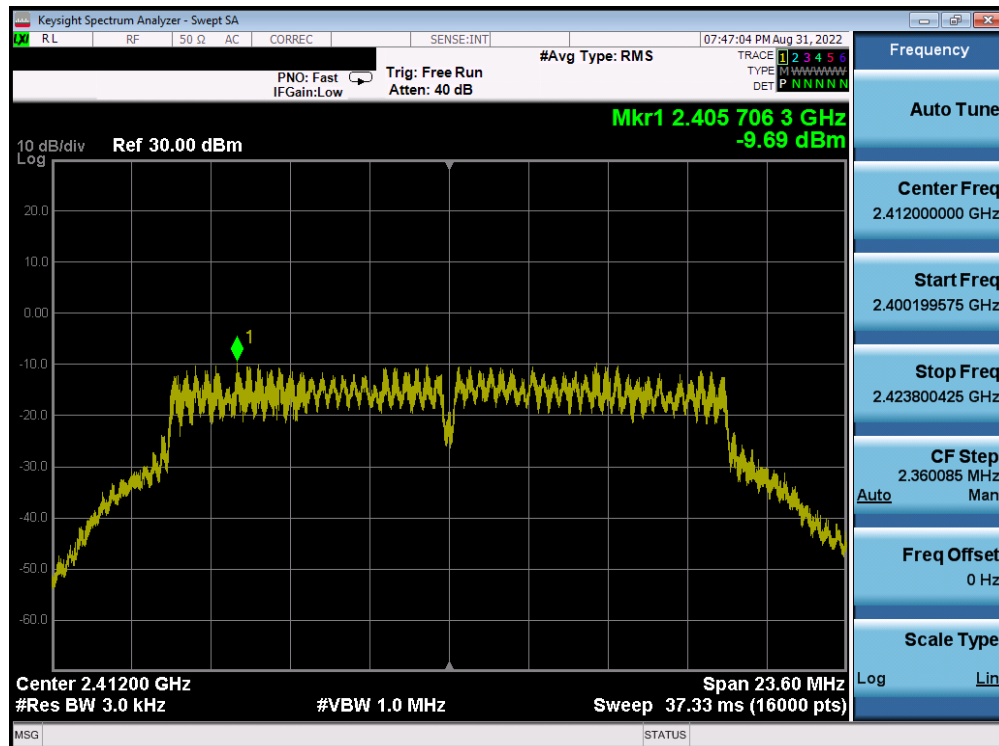
FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 106 of 434

V 10.5 12/15/2021

Low Data Rate



Plot 7-121. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 1) – 12Mbps

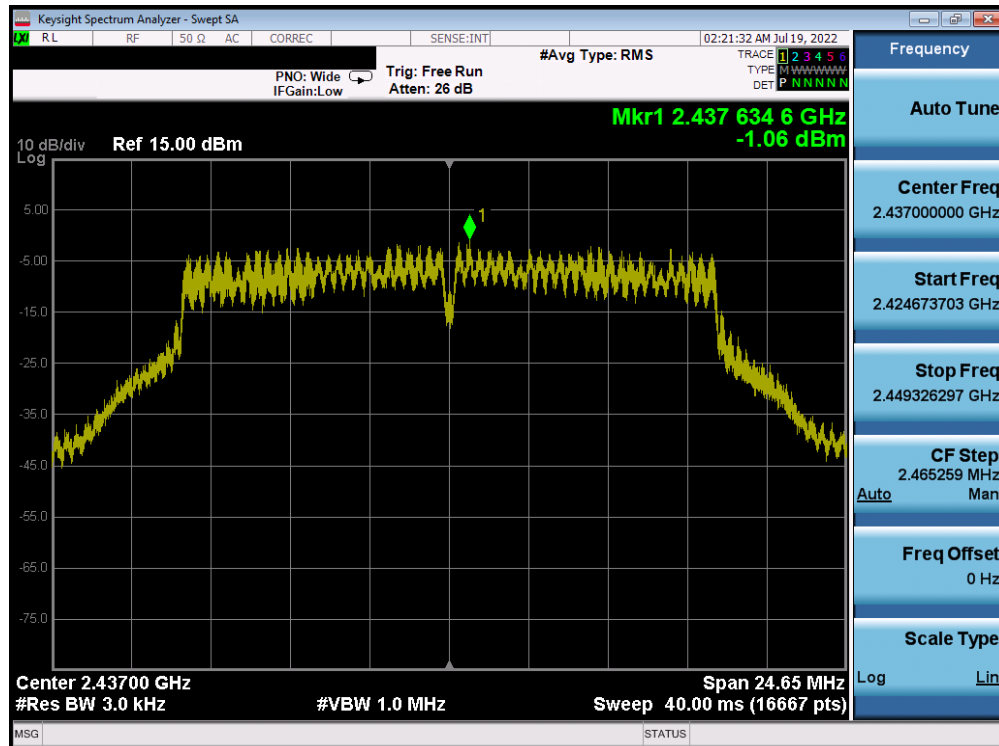


Plot 7-122. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 1) – 12Mbps

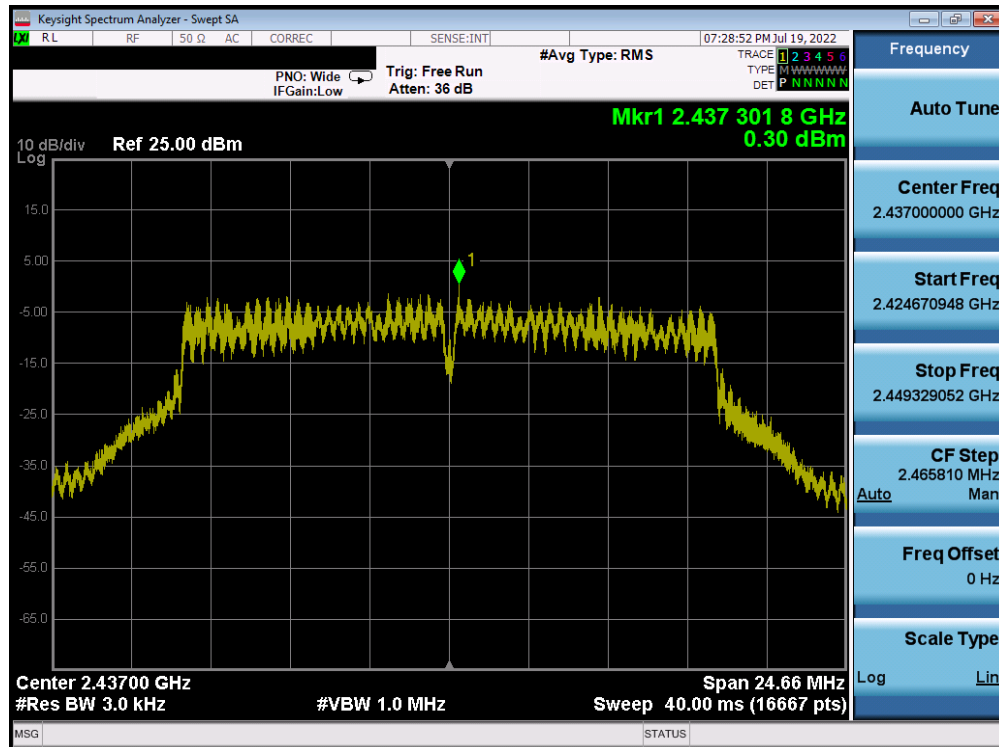
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 107 of 434

V 10.5 12/15/2021

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

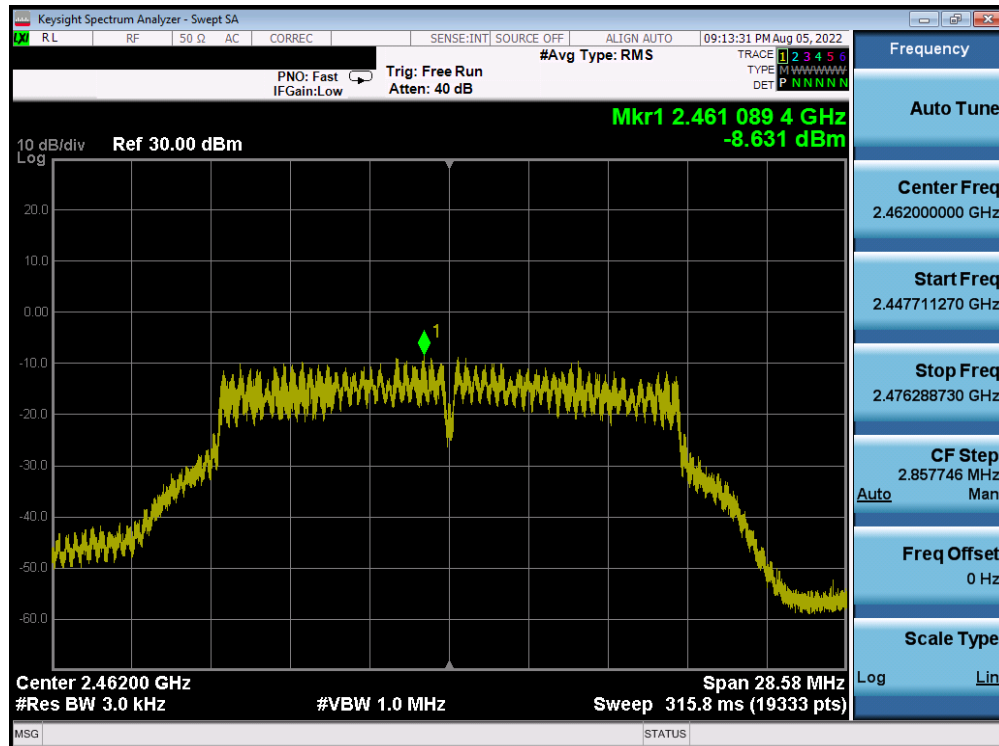


Plot 7-123. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 6) – 12Mbps

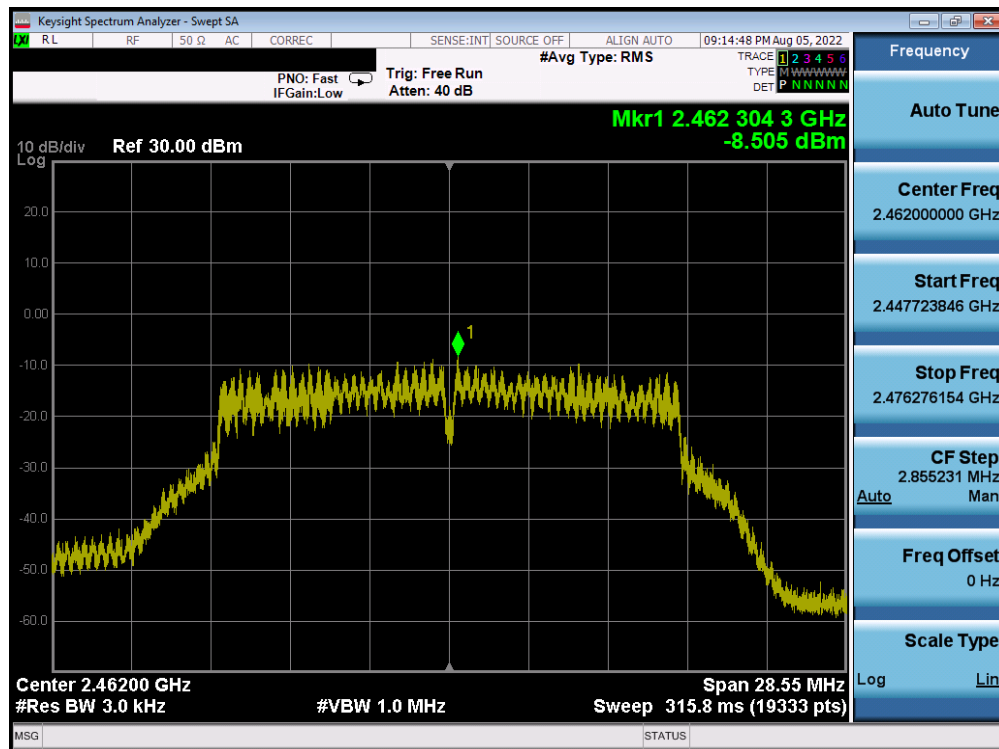


Plot 7-124. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 6) – 12Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 108 of 434

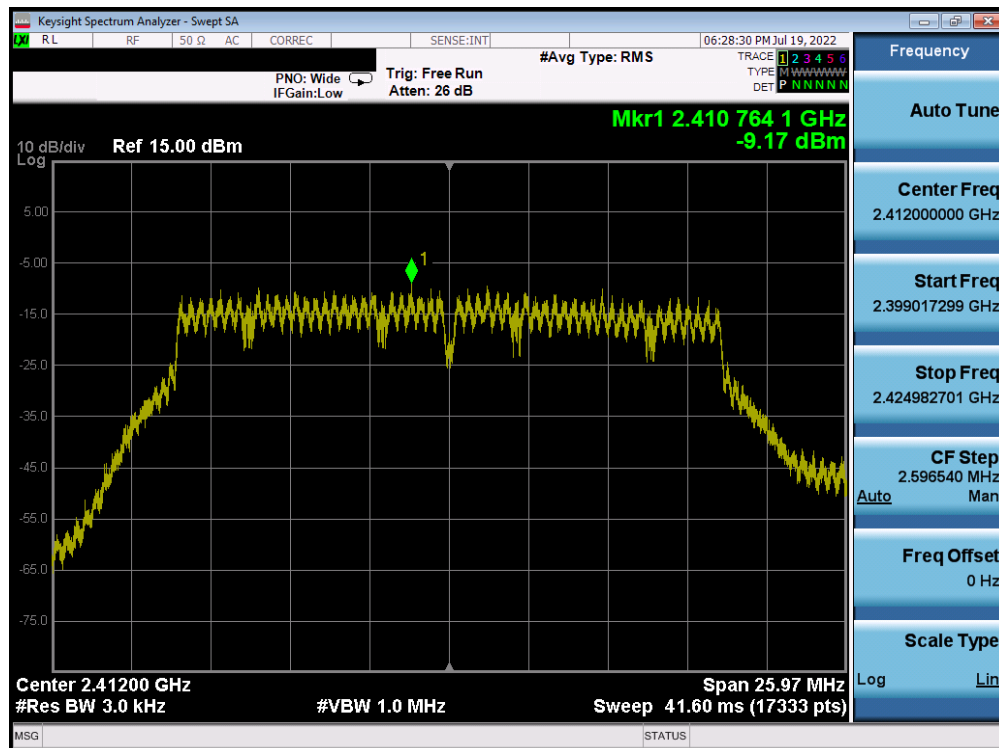


Plot 7-125. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 11) – 12Mbps

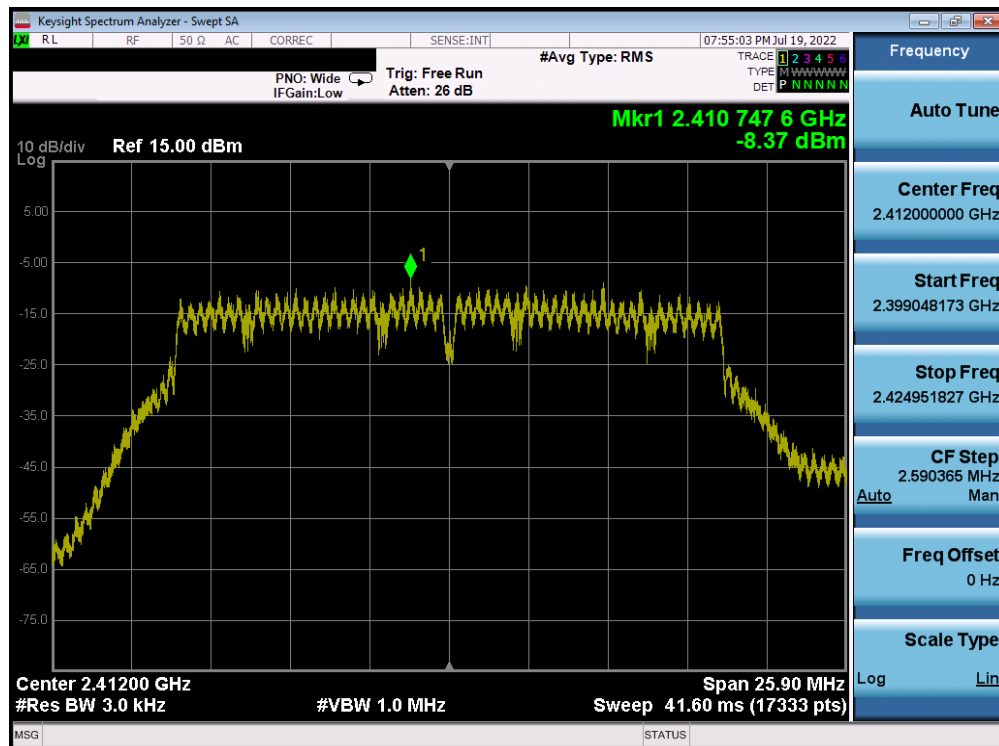


Plot 7-126. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 11) – 12Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 109 of 434

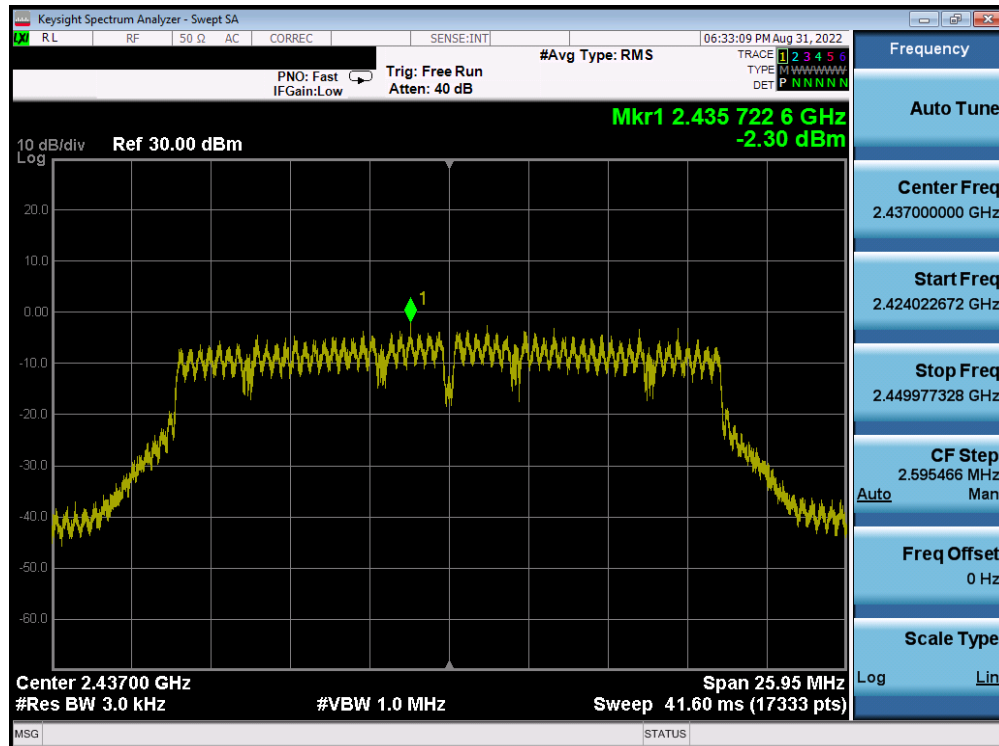


Plot 7-127. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 1) – MCS10

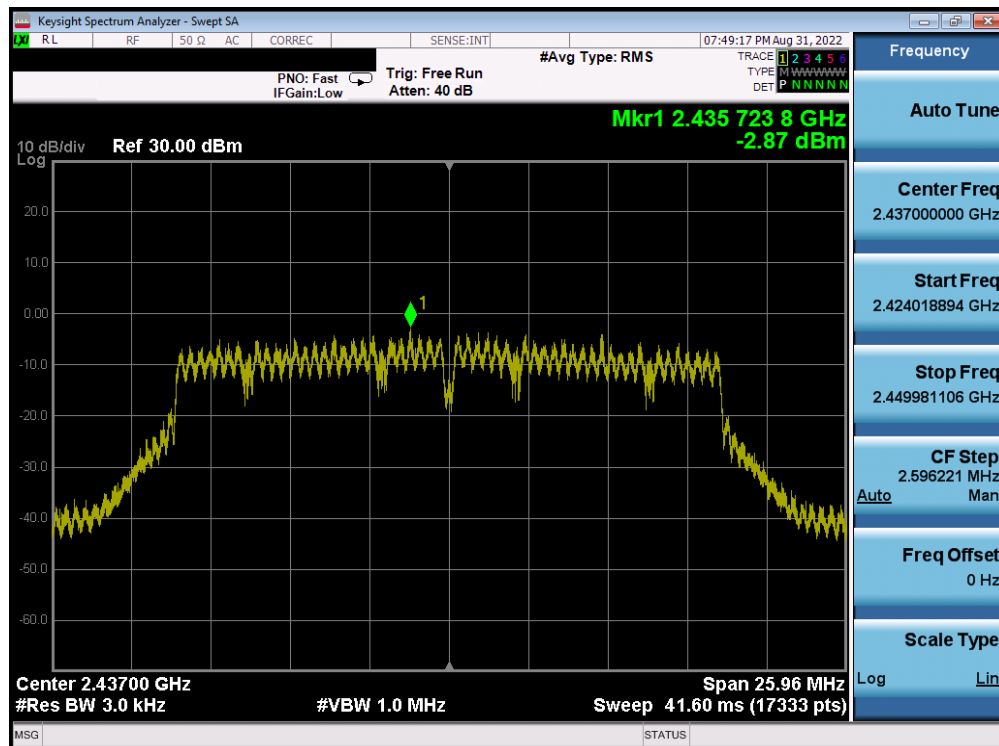


Plot 7-128. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 1) – MCS10

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 110 of 434

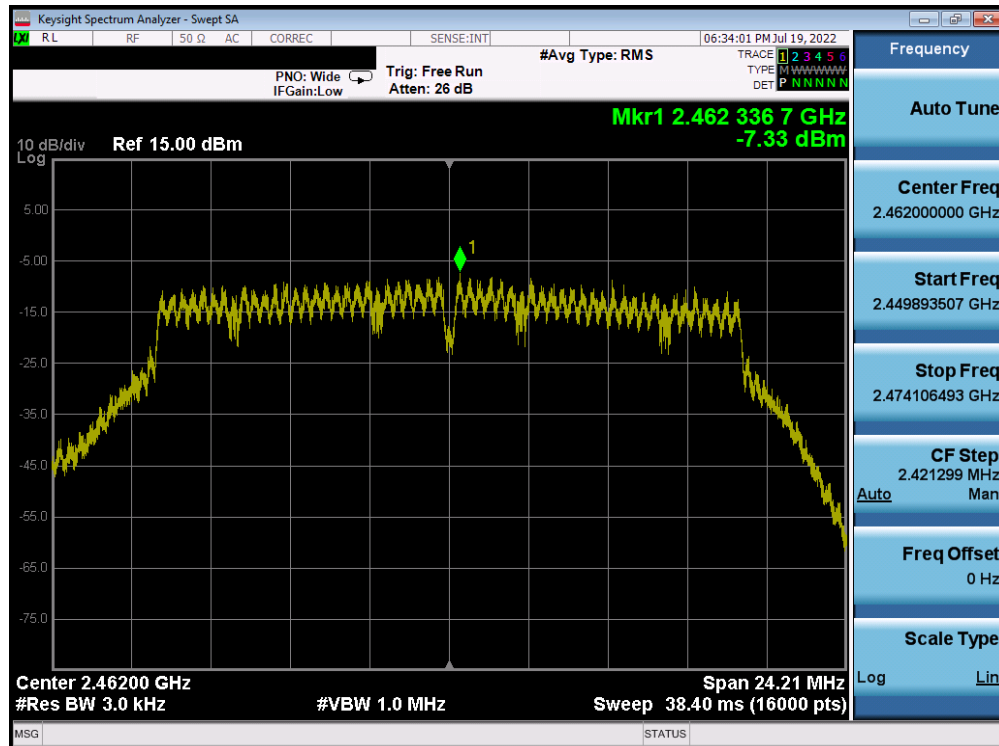


Plot 7-129. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 6) – MCS10

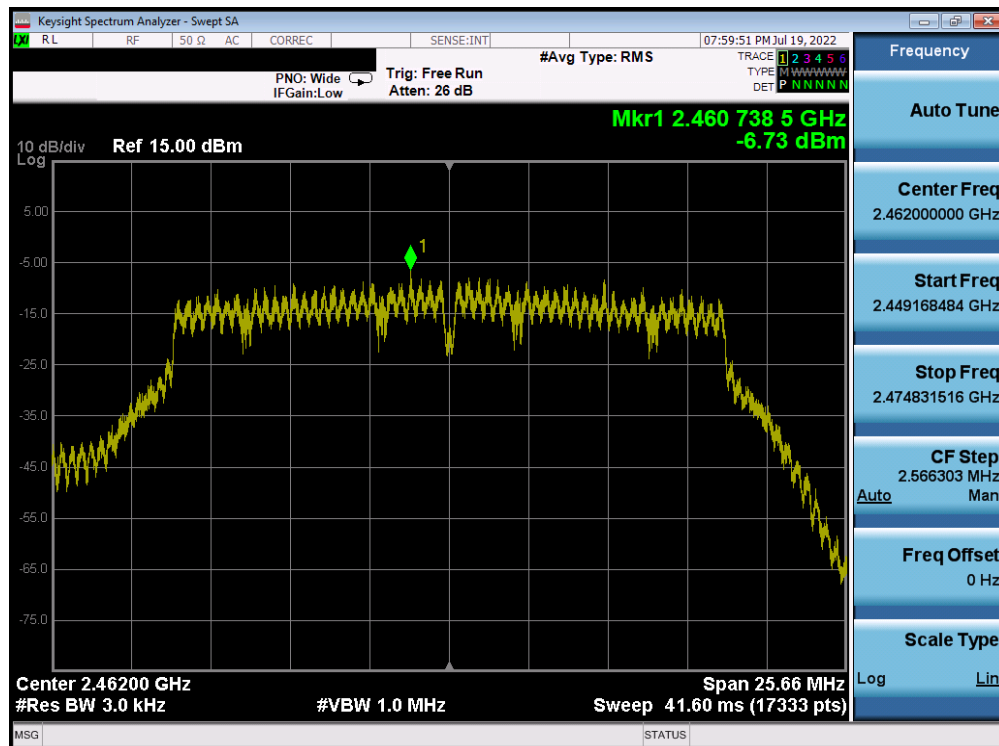


Plot 7-130. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 6) – MCS10

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 111 of 434

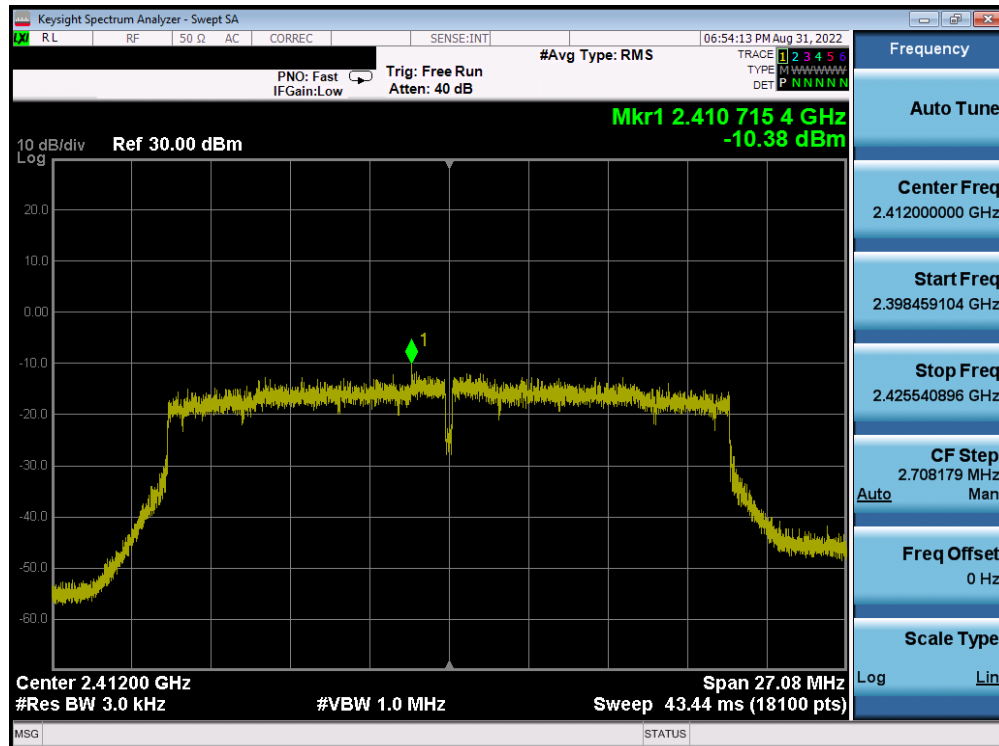


Plot 7-131. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 11) – MCS10

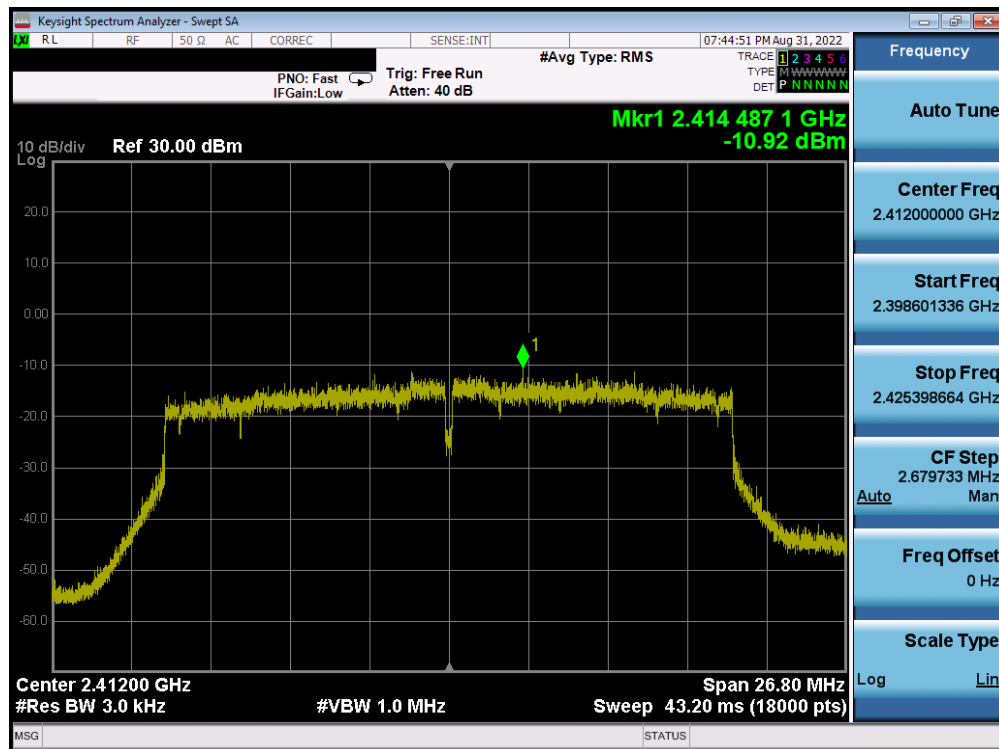


Plot 7-132. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 11) – MCS10

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 112 of 434



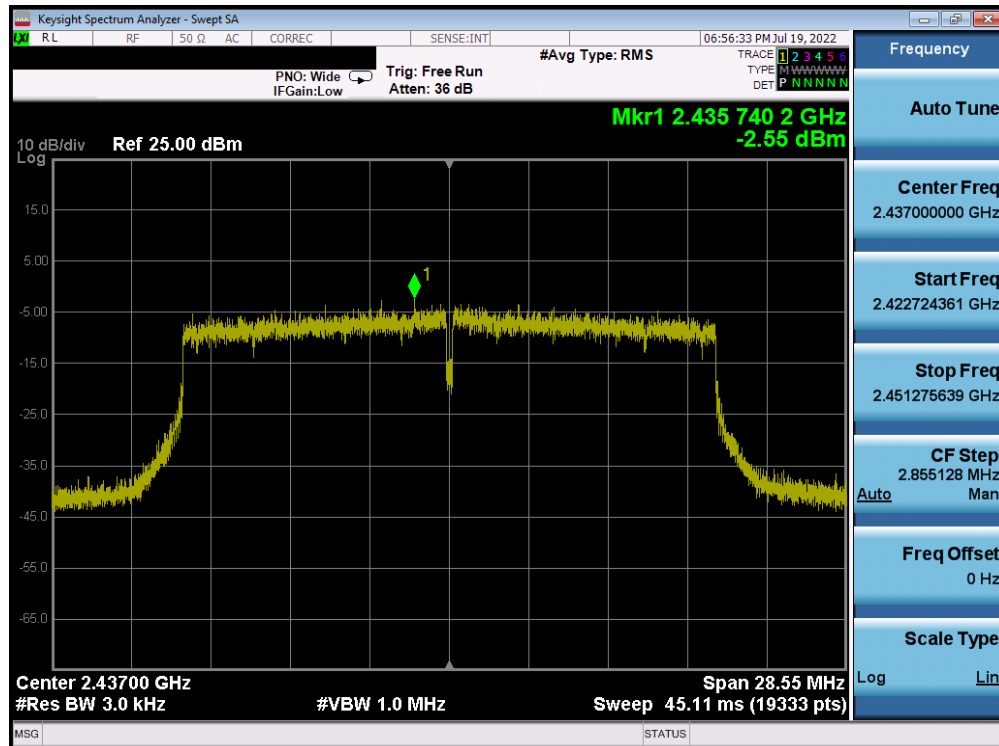
Plot 7-133. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS2



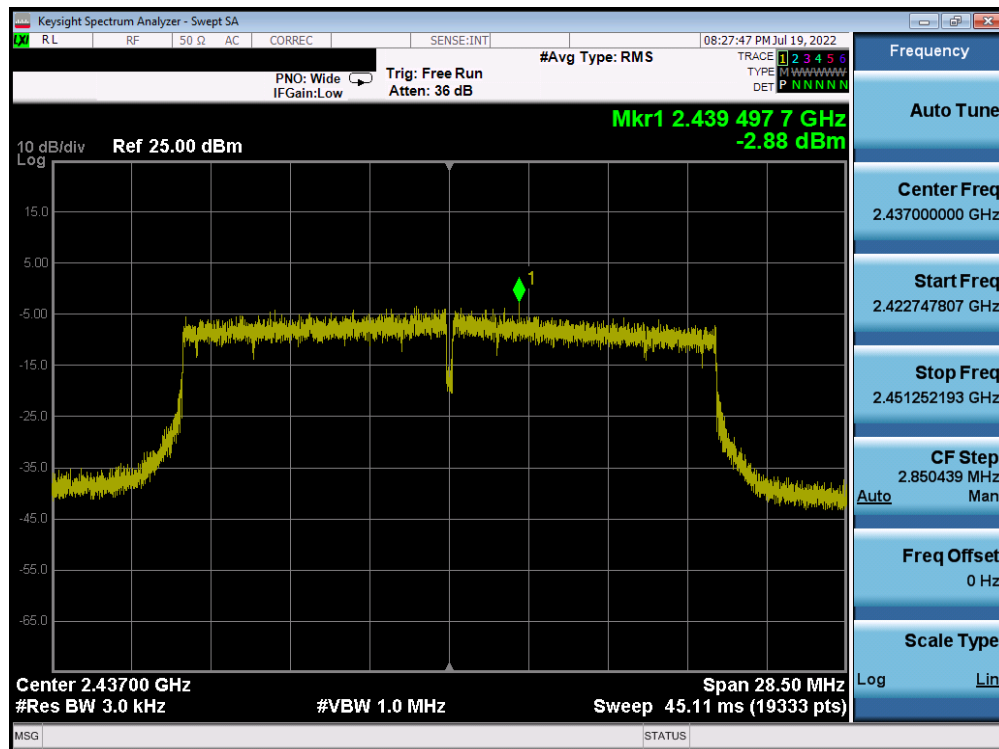
Plot 7-134. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS2

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 113 of 434

V 10.5 12/15/2021



Plot 7-135. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS2

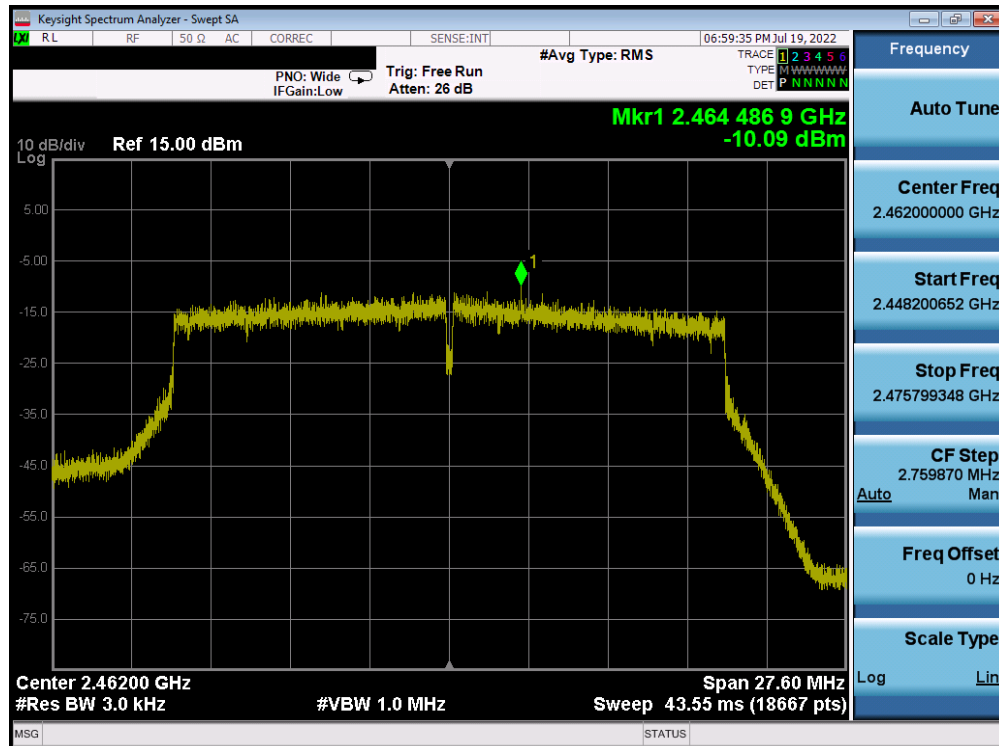


Plot 7-136. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS2

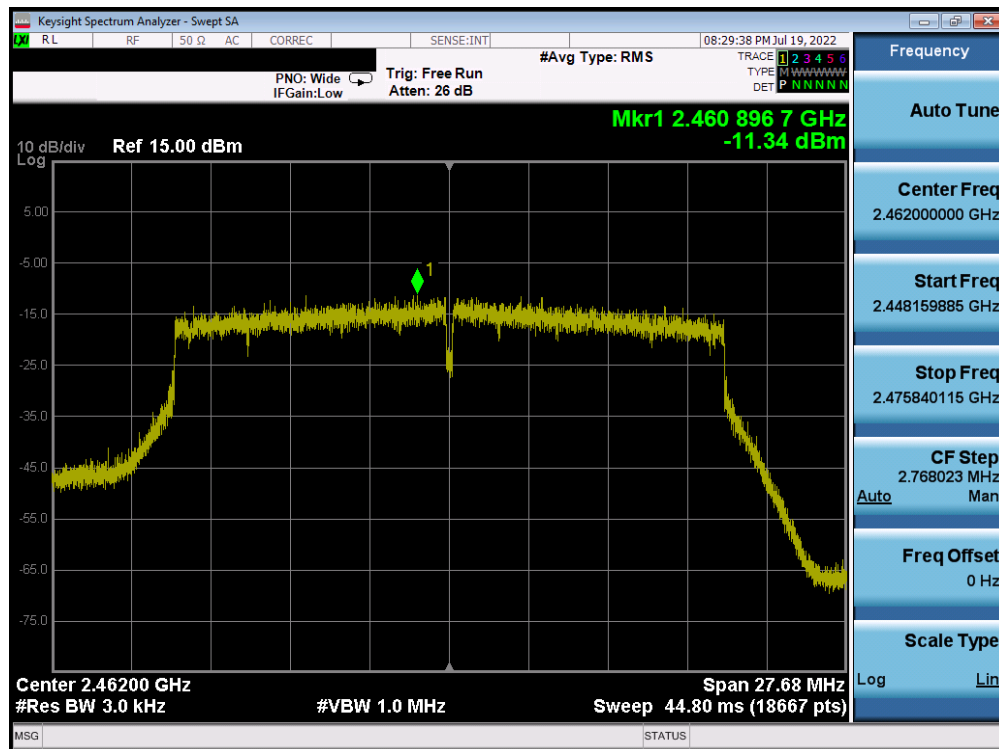
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 114 of 434

V 10.5 12/15/2021

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



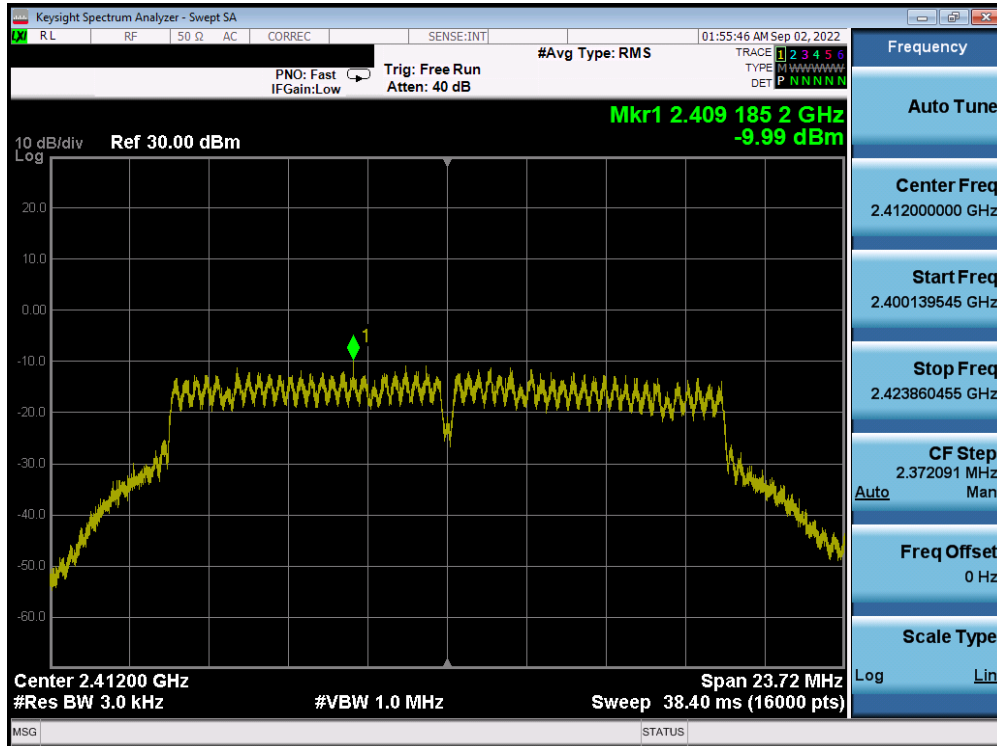
Plot 7-137. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS2



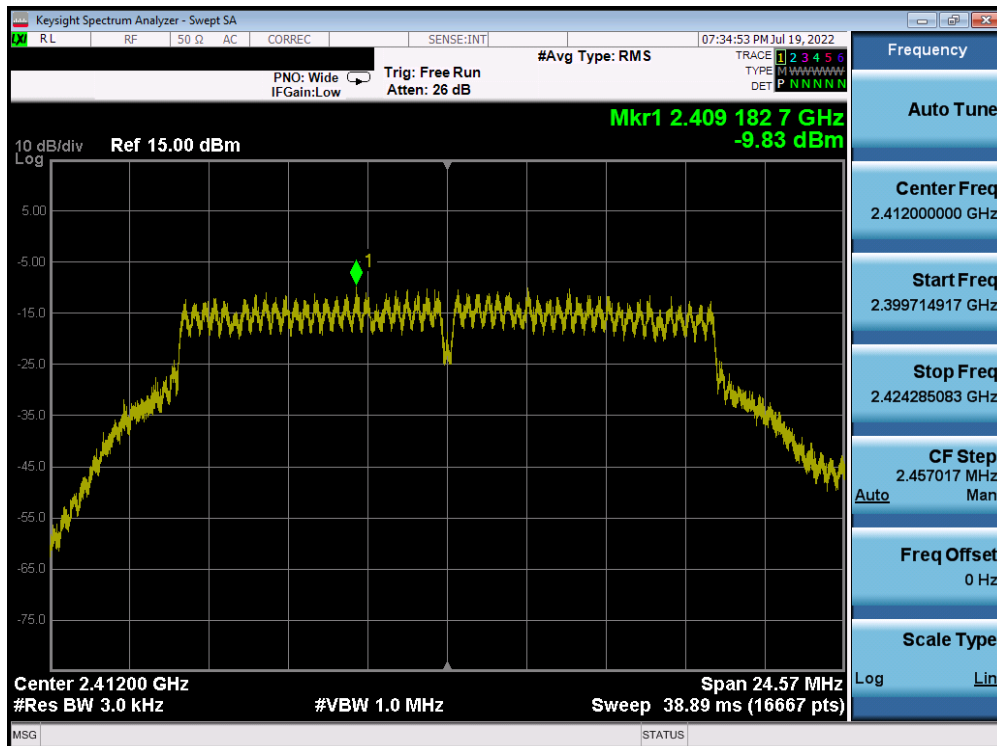
Plot 7-138. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS2

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 115 of 434

Mid Data Rate



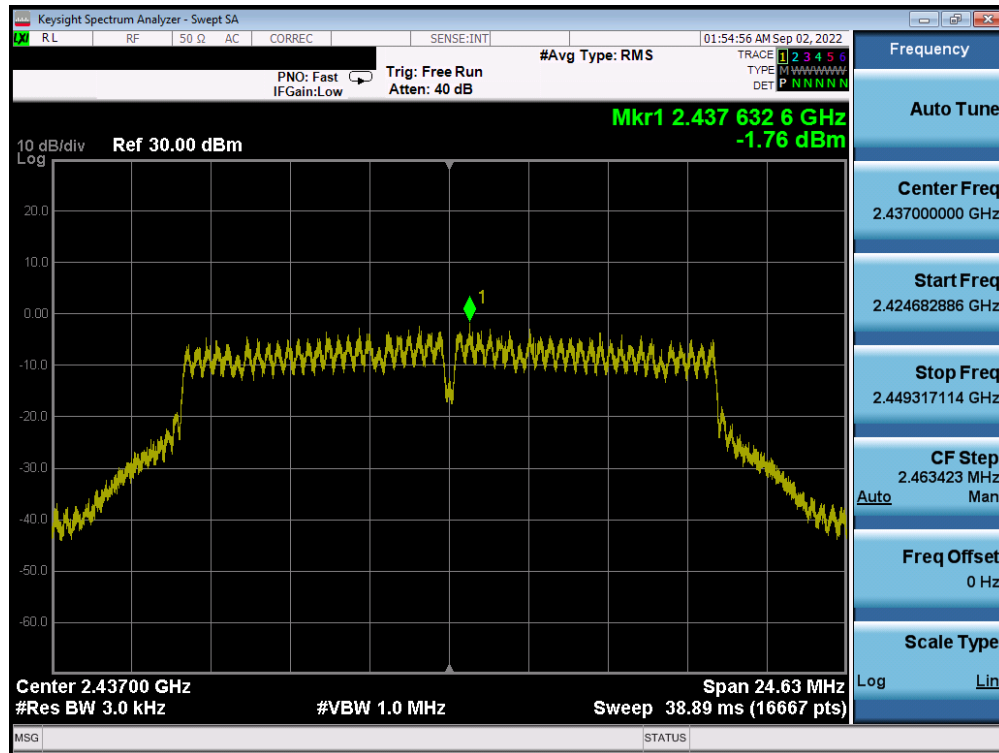
Plot 7-139. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 1) – 18Mbps



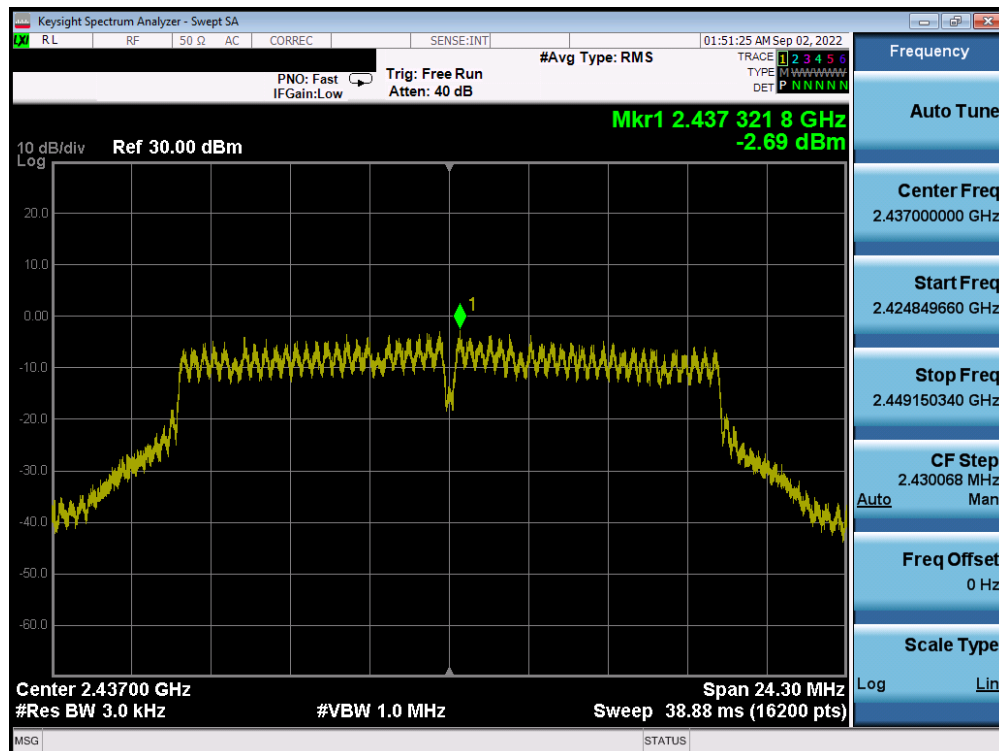
Plot 7-140. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 1) – 18Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 116 of 434

V 10.5 12/15/2021

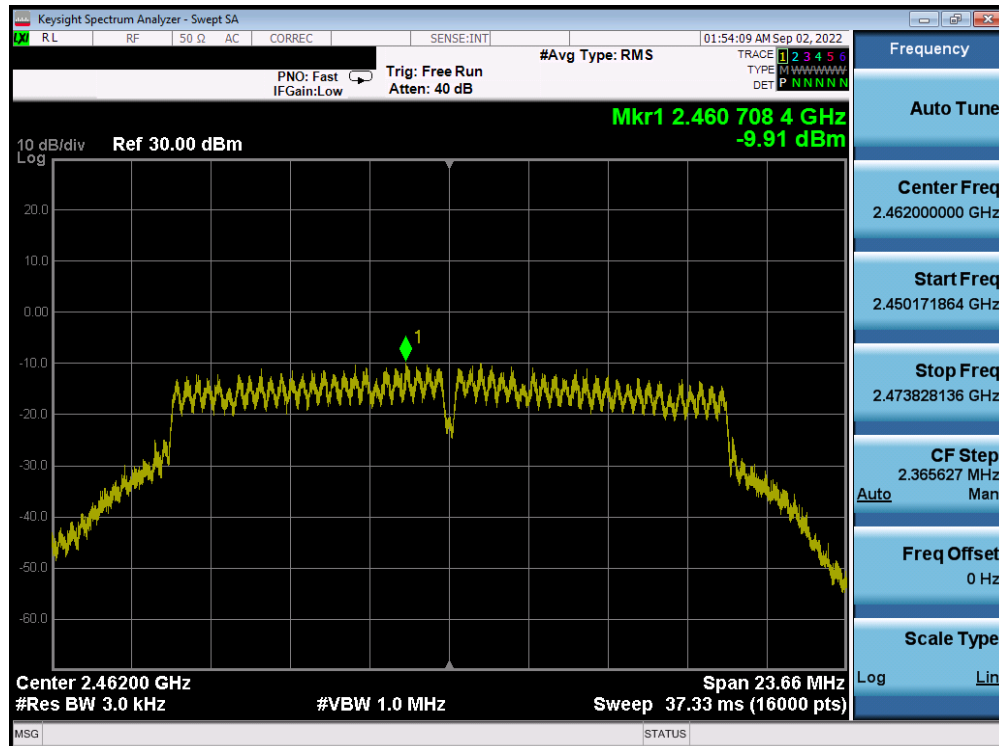


Plot 7-141. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 6) – 18Mbps

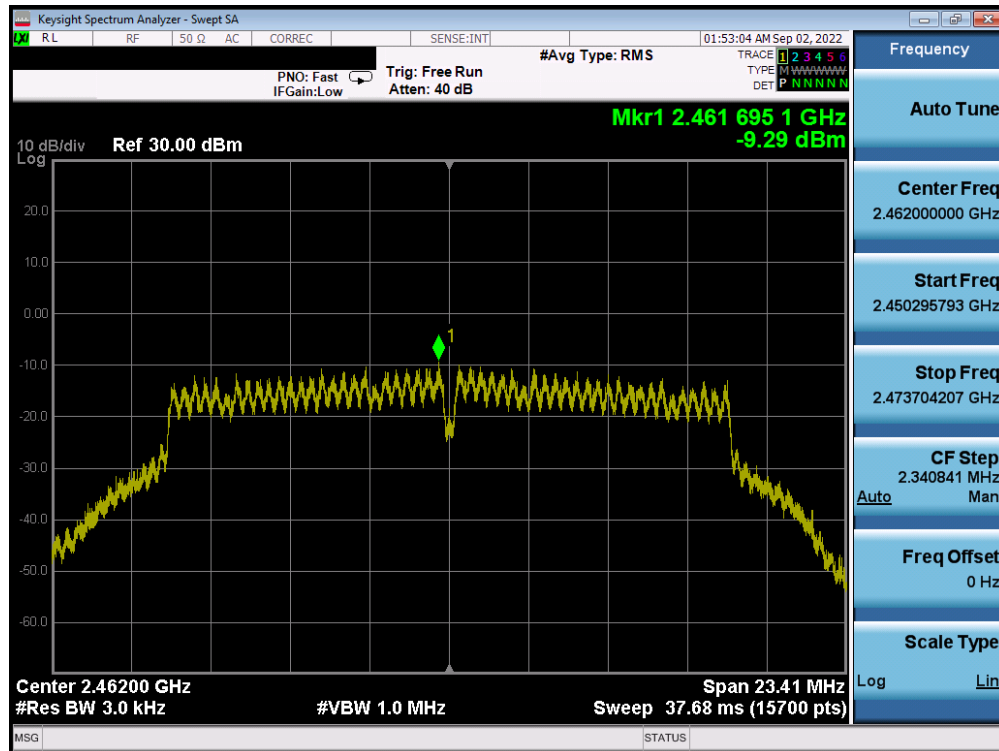


Plot 7-142. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 6) – 18Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 117 of 434

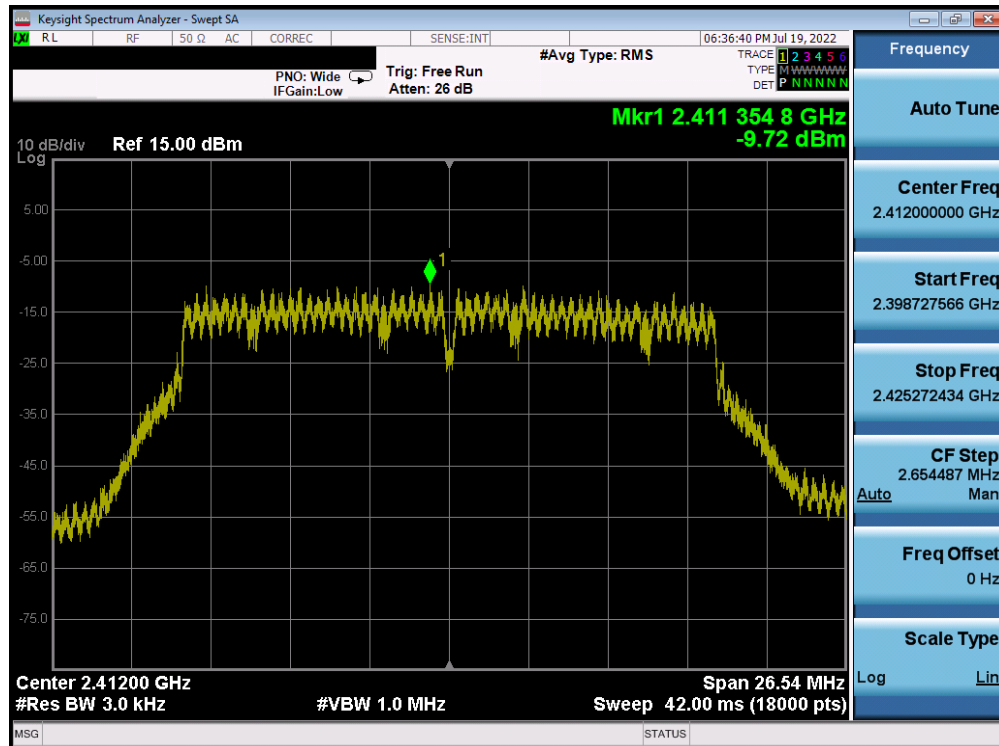


Plot 7-143. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 11) – 18Mbps

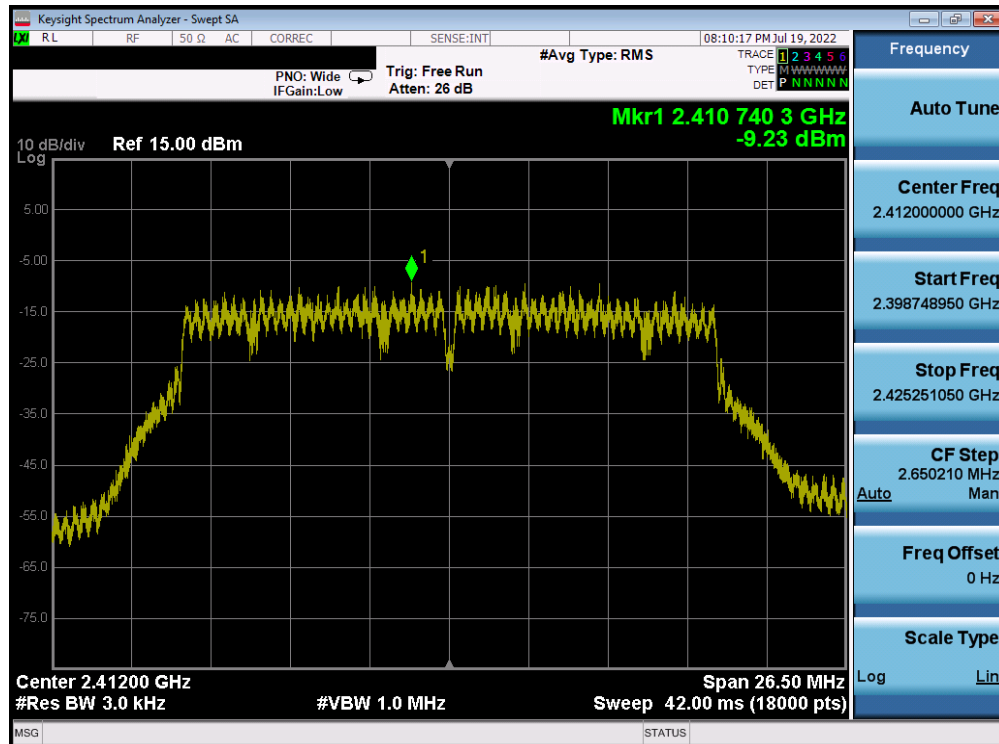


Plot 7-144. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 11) – 18Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 118 of 434

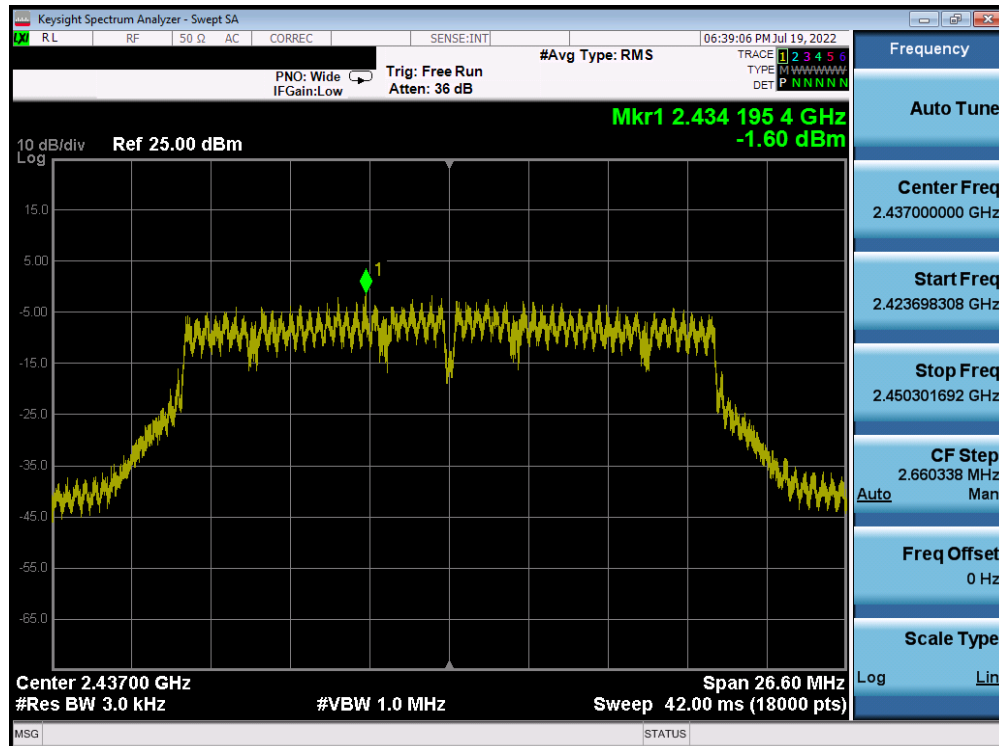


Plot 7-145. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 1) – MCS11

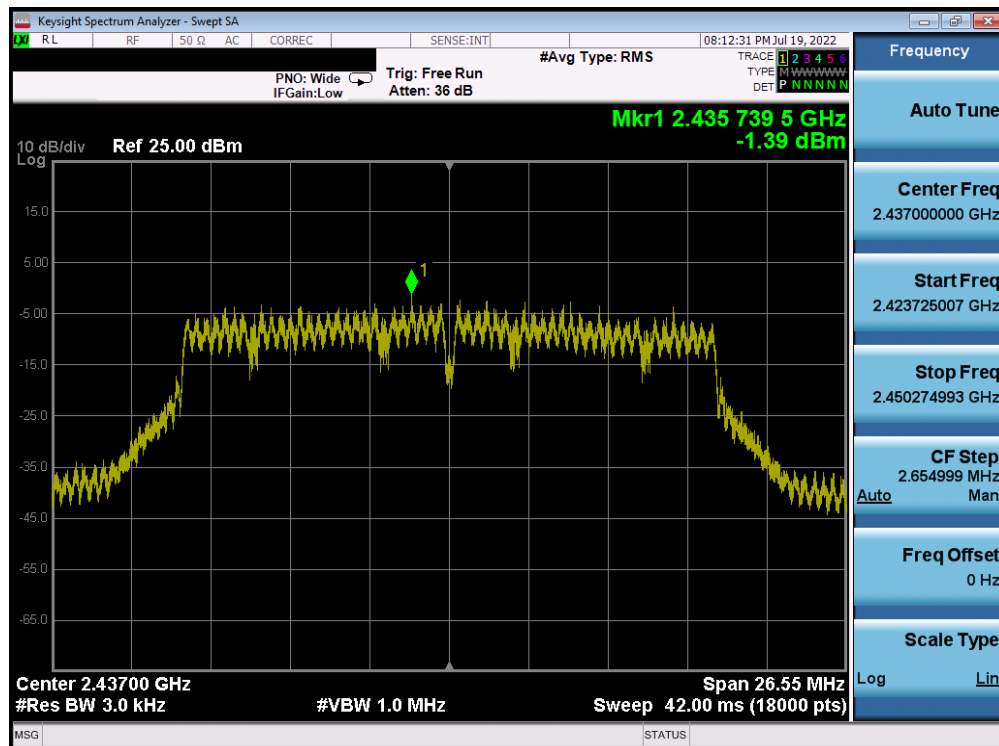


Plot 7-146. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 1) – MC11

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 119 of 434

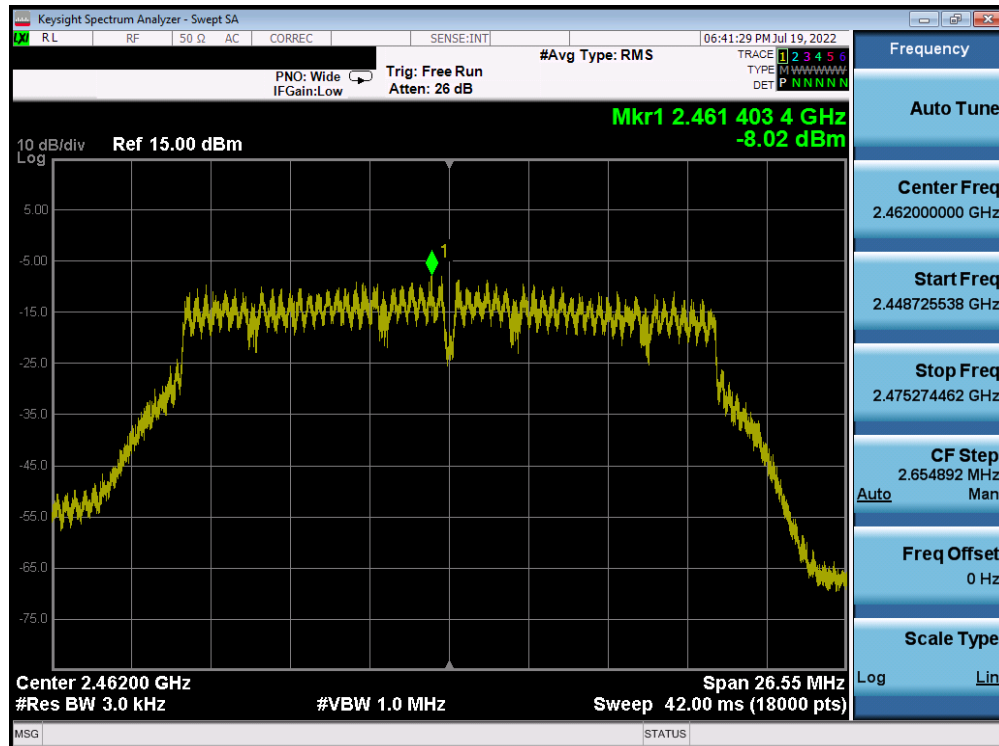


Plot 7-147. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 6) – MCS11

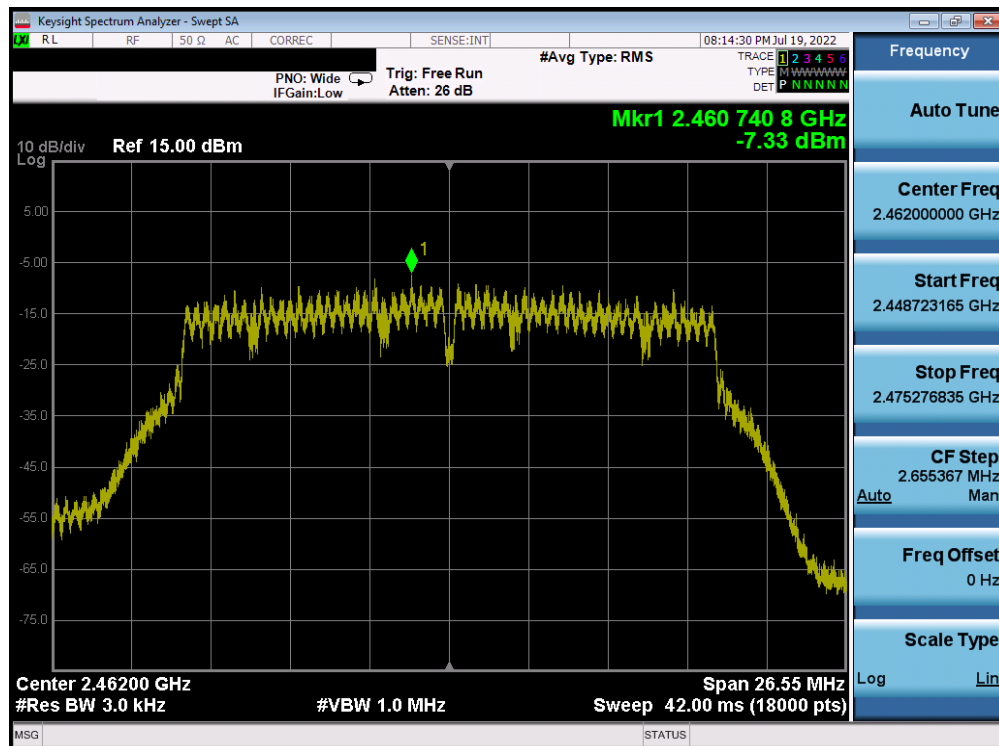


Plot 7-148. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 6) – MCS11

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 120 of 434

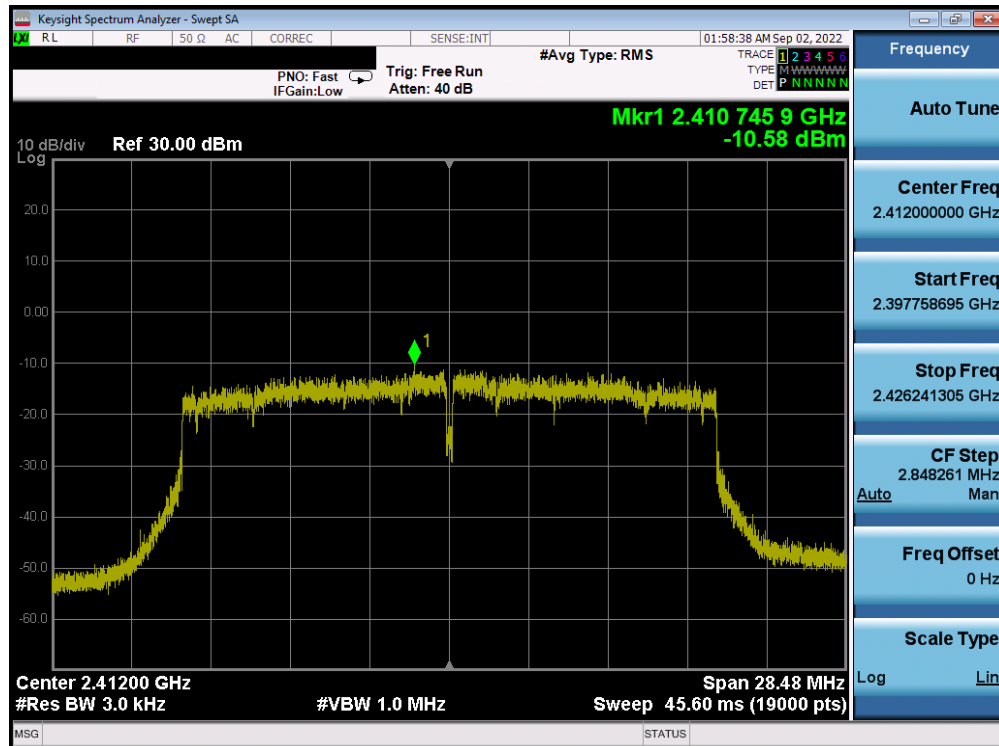


Plot 7-149. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 11) – MCS11

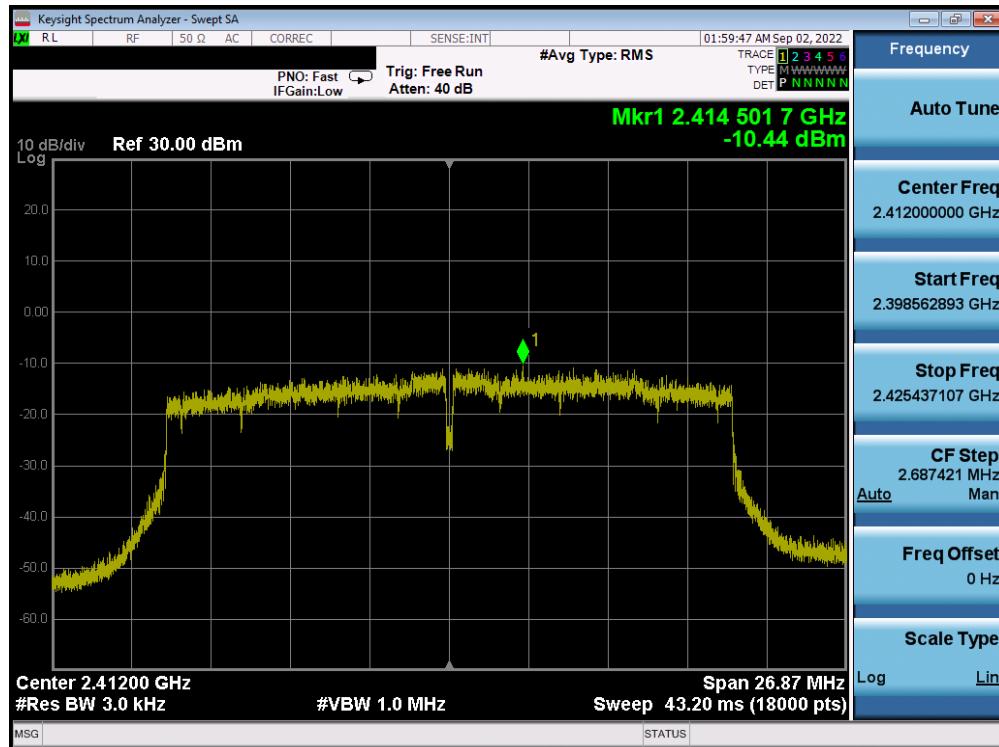


Plot 7-150. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 11) – MCS11

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 121 of 434

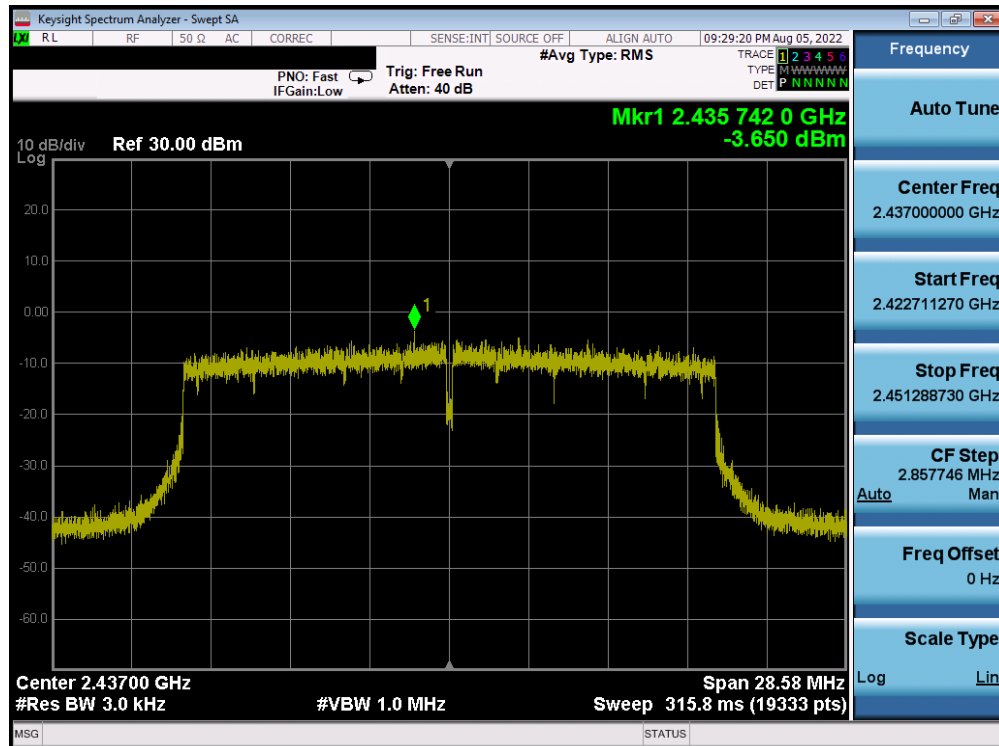


Plot 7-151. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

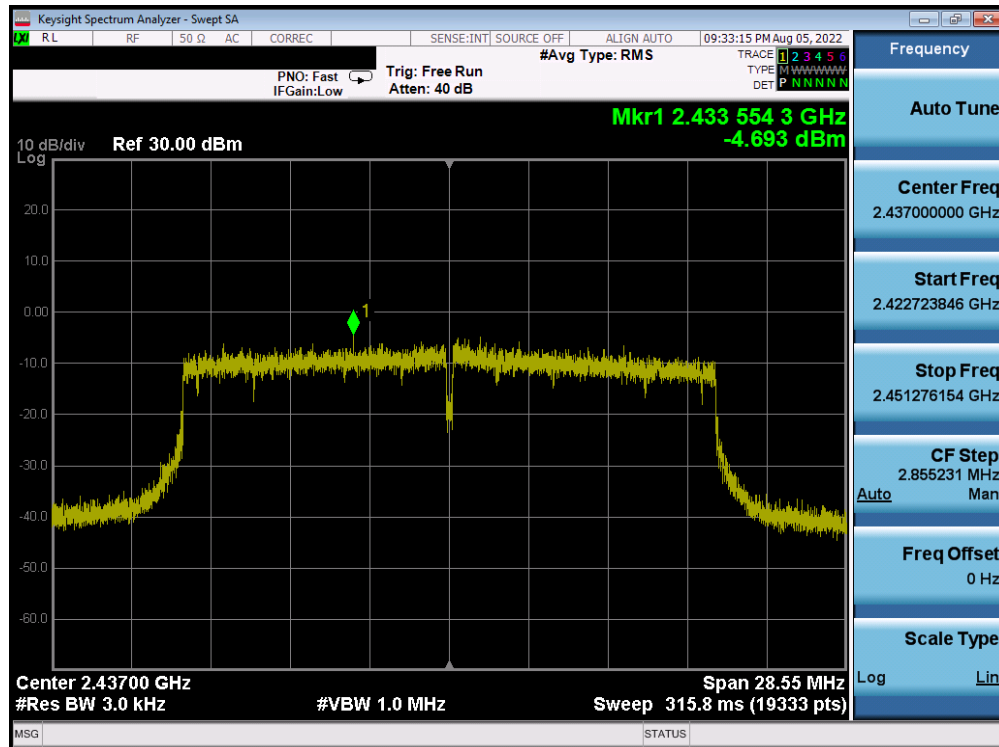


Plot 7-152. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 122 of 434

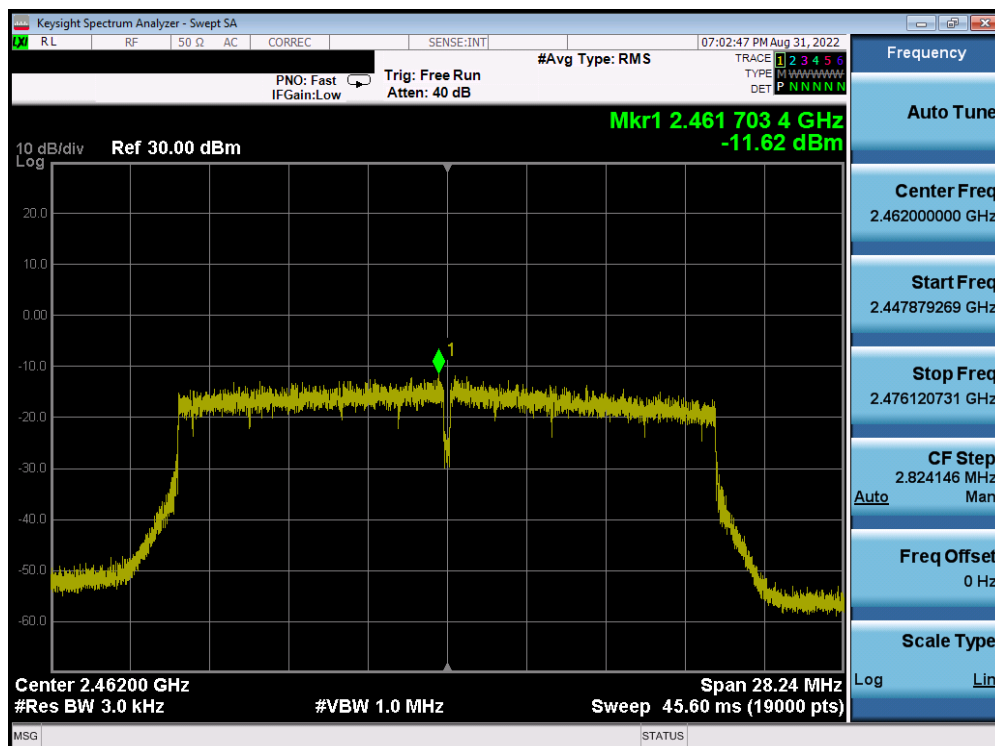


Plot 7-153. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

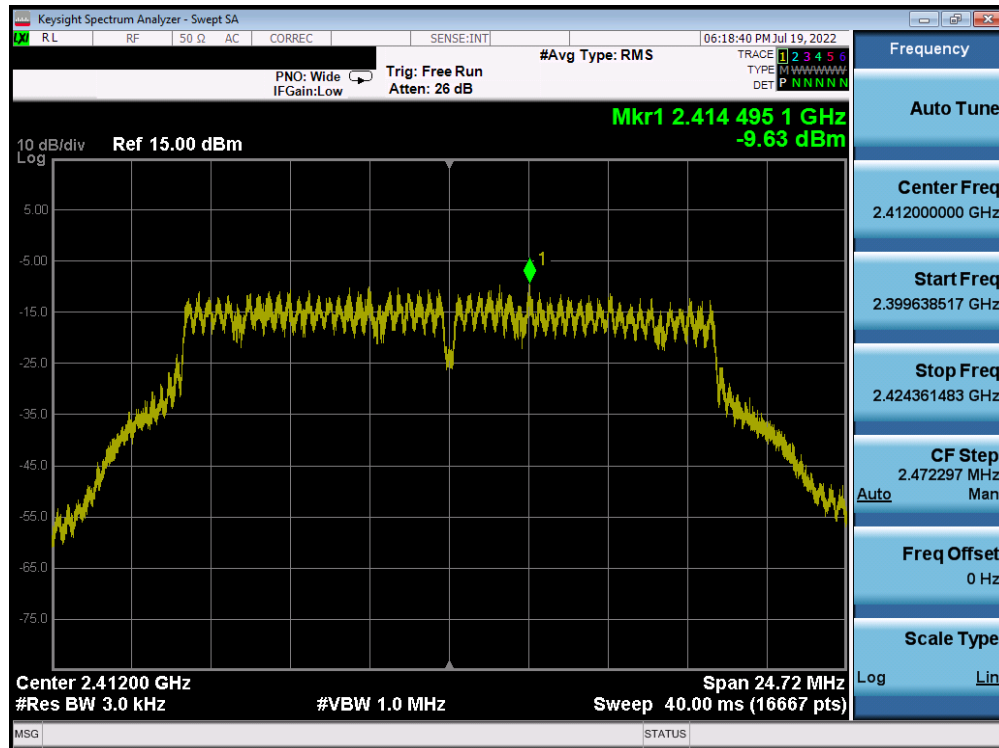


Plot 7-154. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

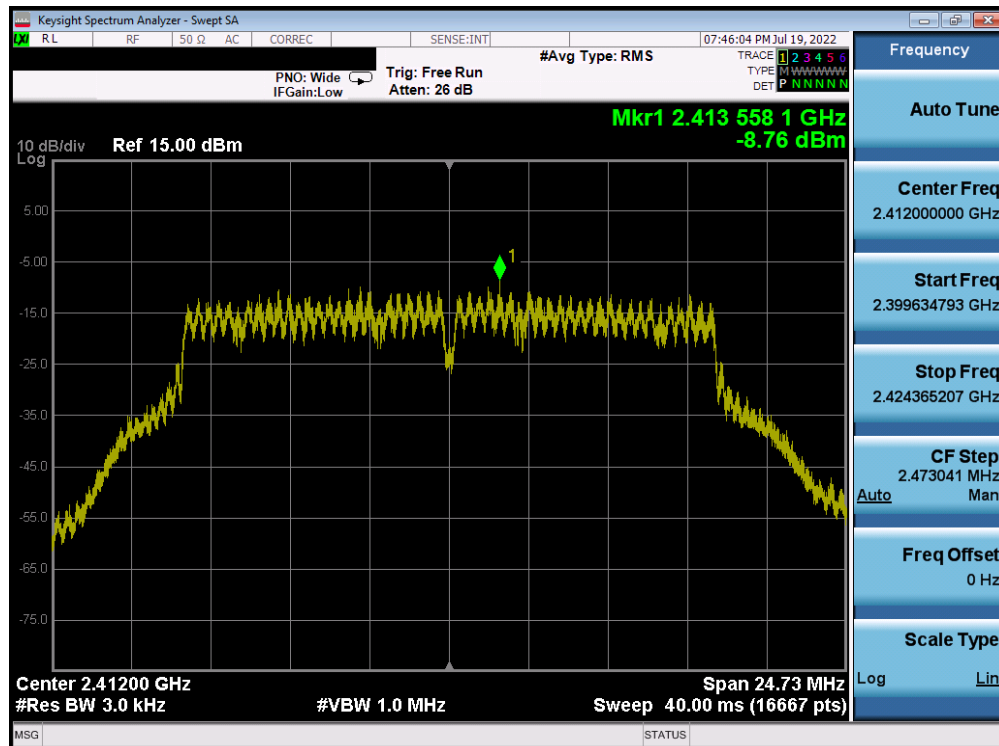
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 123 of 434



High Data Rate



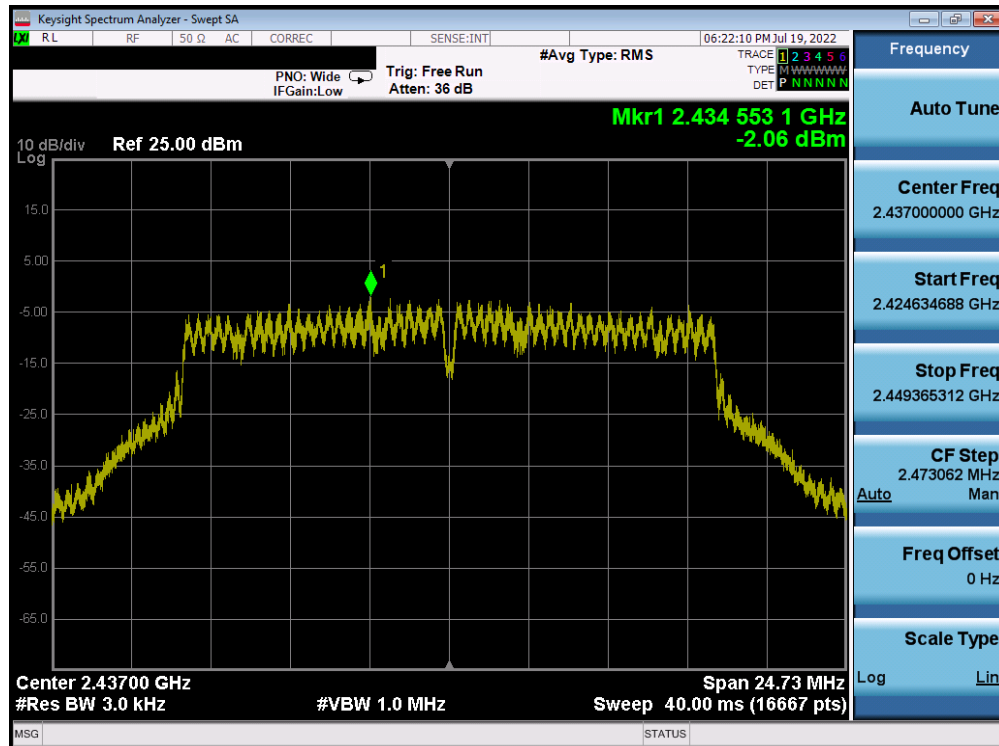
Plot 7-157. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 1) – 36Mbps



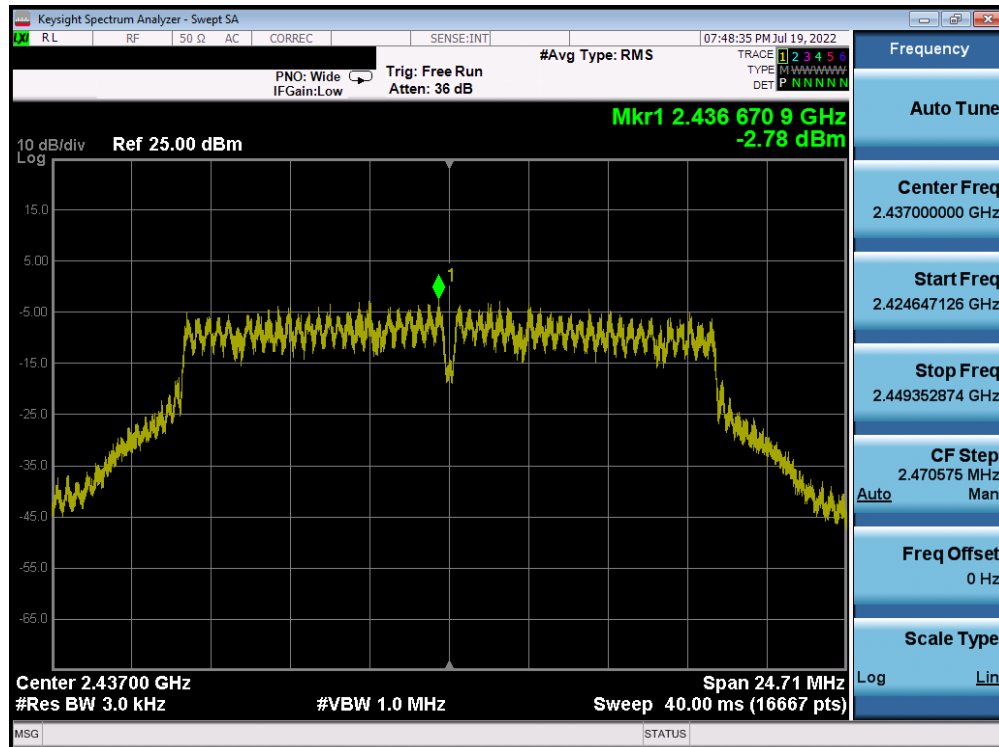
Plot 7-158. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 1) – 36Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 125 of 434

V 10.5 12/15/2021



Plot 7-159. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 6) – 36Mbps

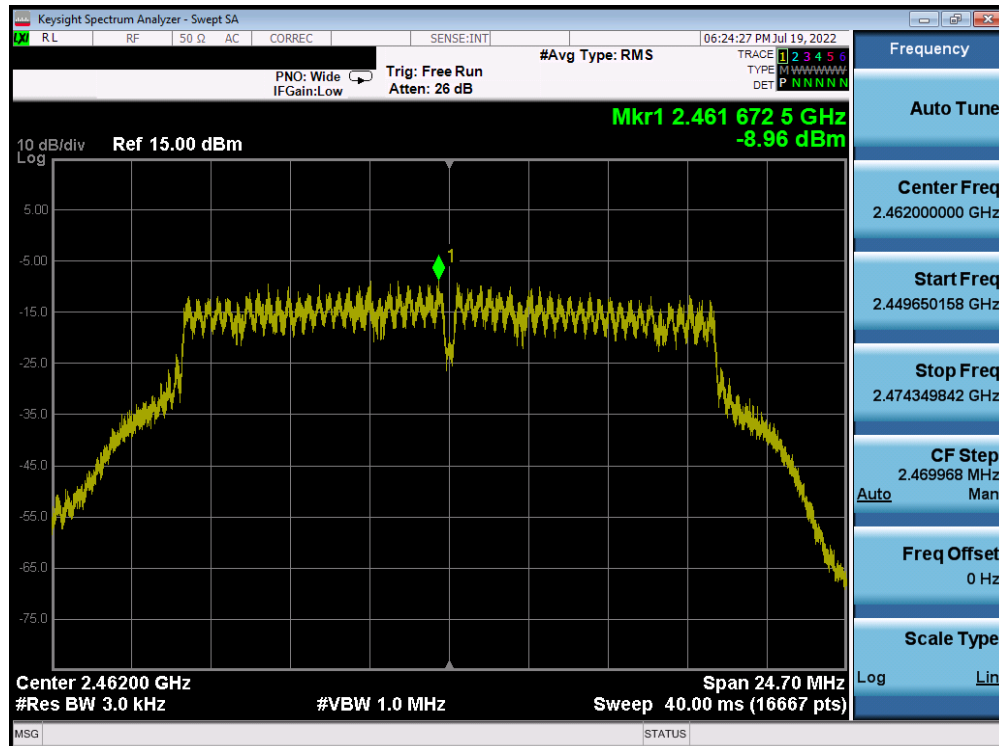


Plot 7-160. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 6) – 36Mbps

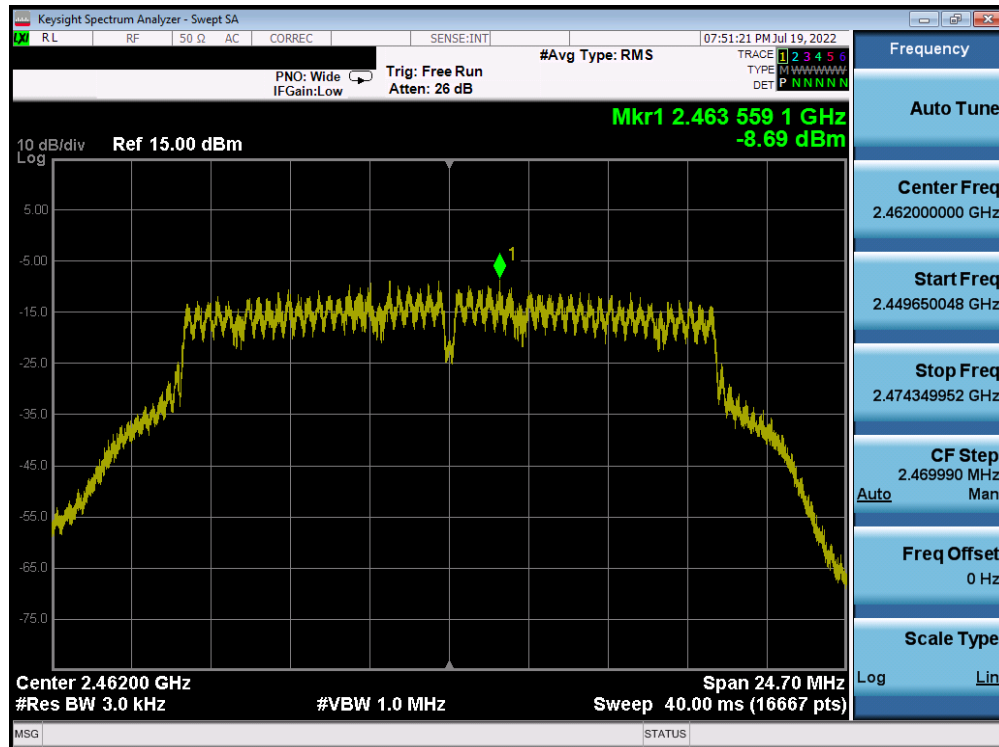
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 126 of 434

V 10.5 12/15/2021

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



Plot 7-161. Power Spectral Density Plot CDD Antenna 4a (802.11g – Ch. 11) – 36Mbps

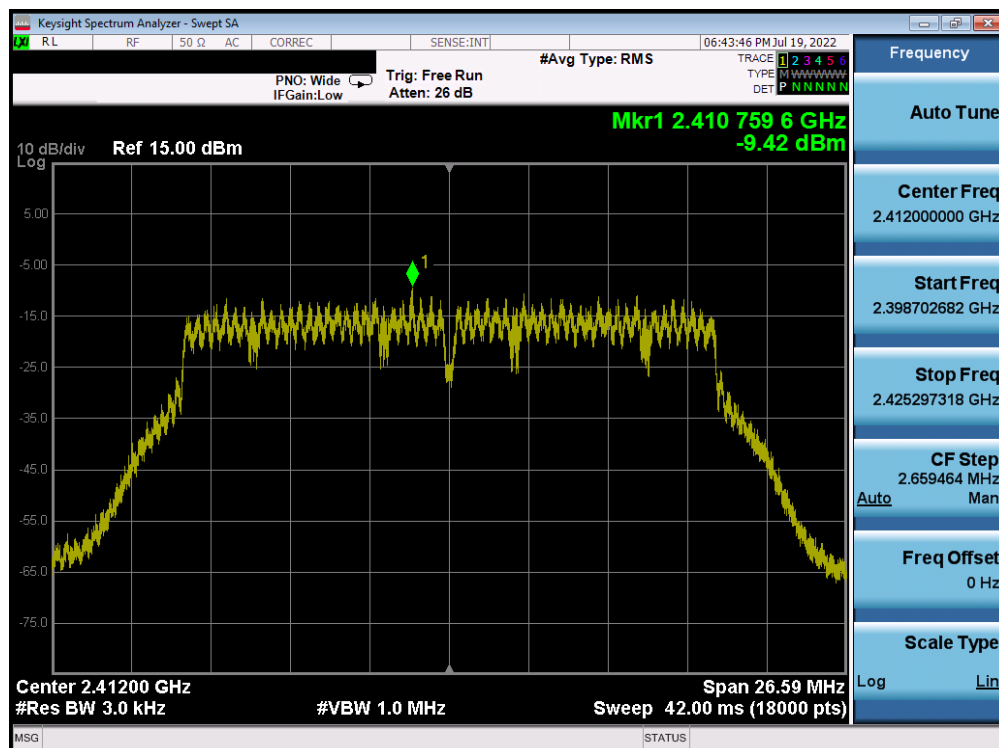


Plot 7-162. Power Spectral Density Plot CDD Antenna 2a (802.11g – Ch. 11) – 36Mbps

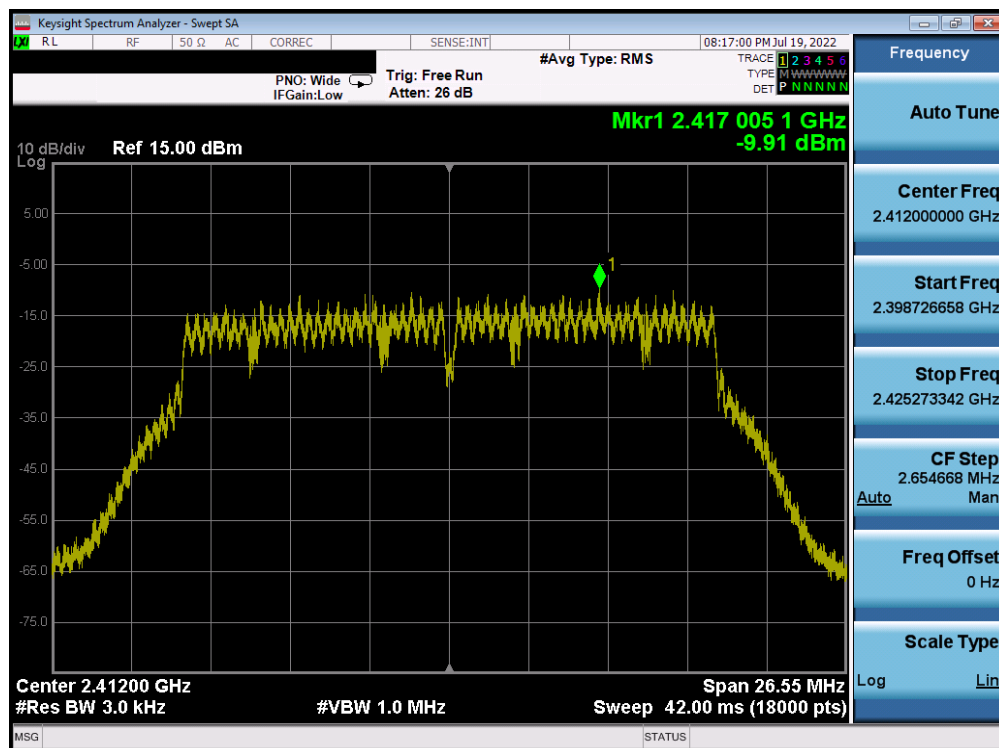
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 127 of 434

V 10.5 12/15/2021

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



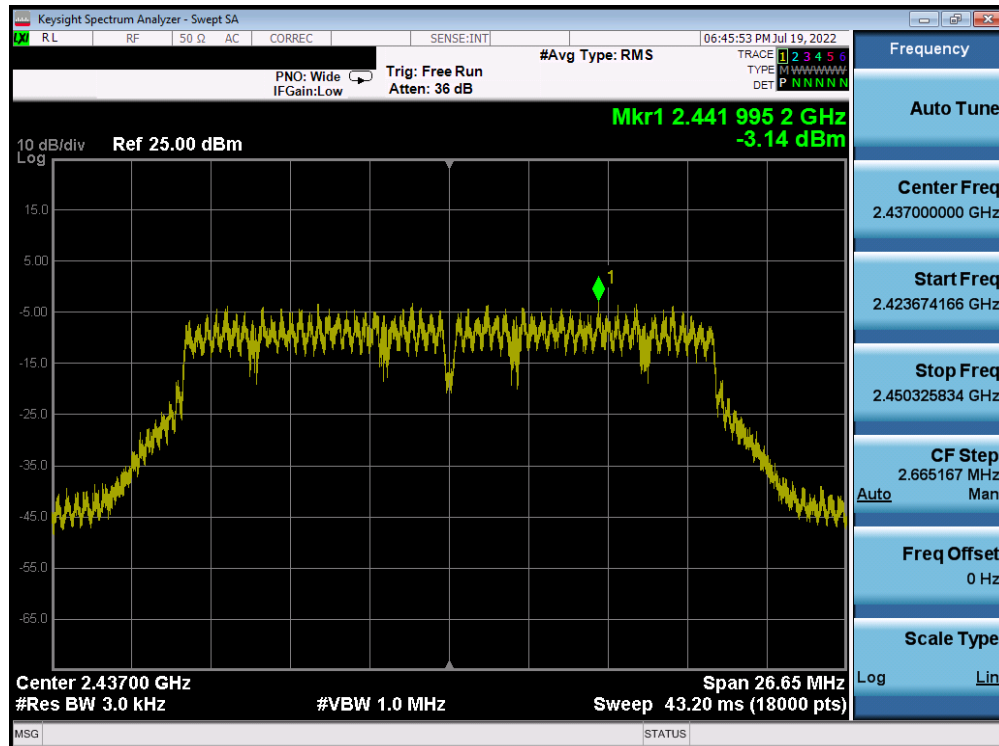
Plot 7-163. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 1) – MCS13



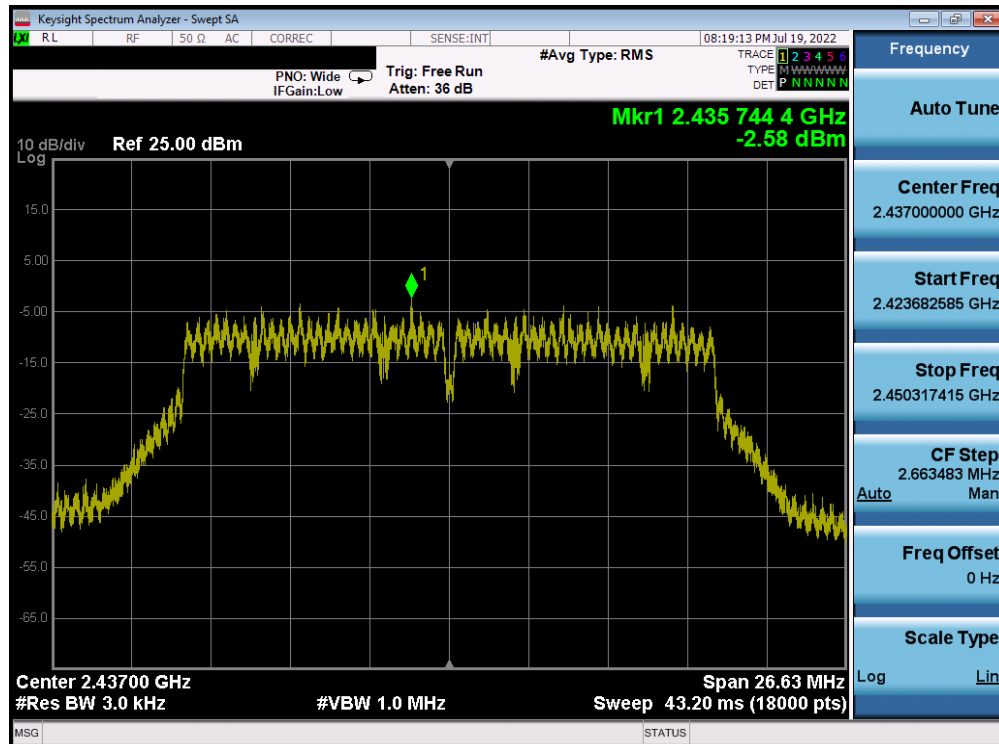
Plot 7-164. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 1) – MCS13

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 128 of 434

V 10.5 12/15/2021

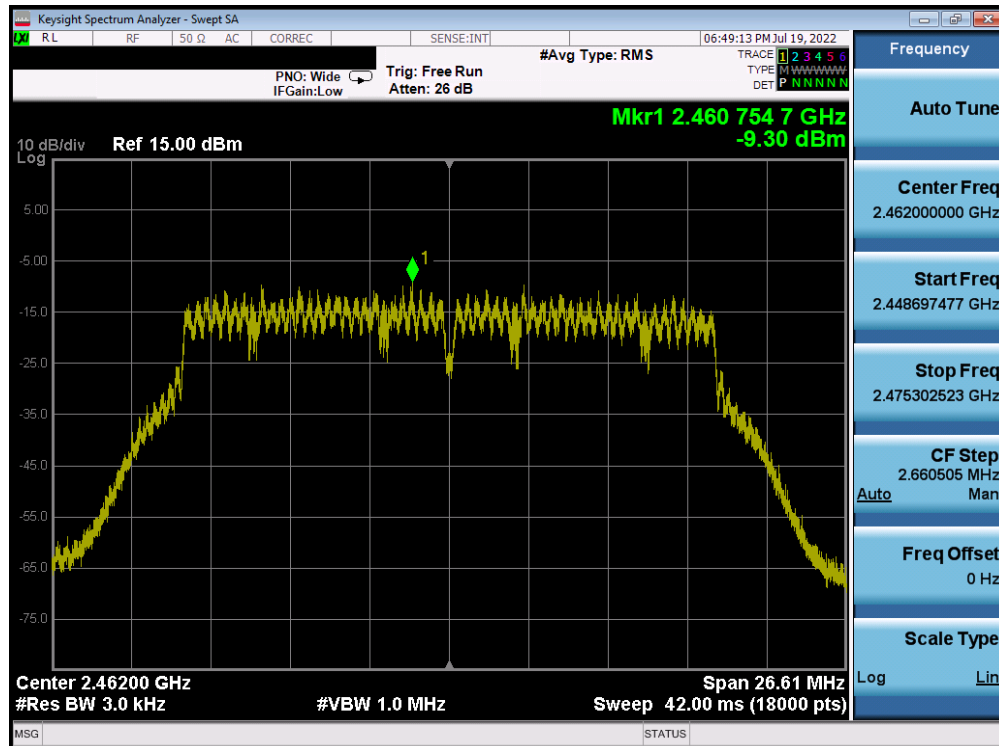


Plot 7-165. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 6) – MCS13

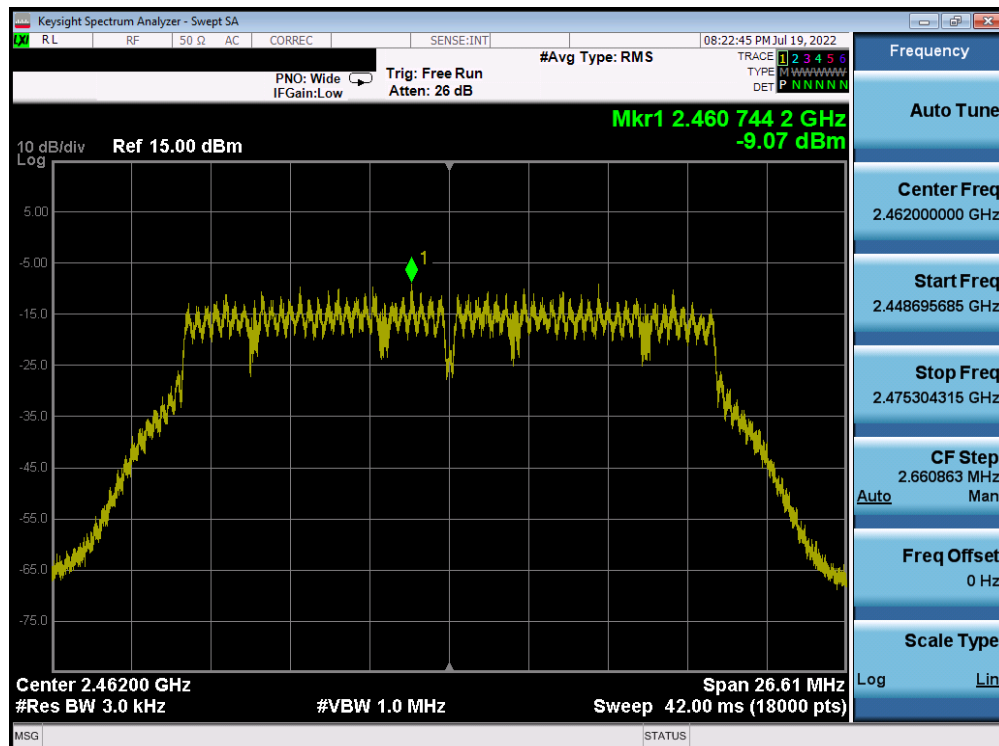


Plot 7-166. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 6) – MCS13

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 129 of 434

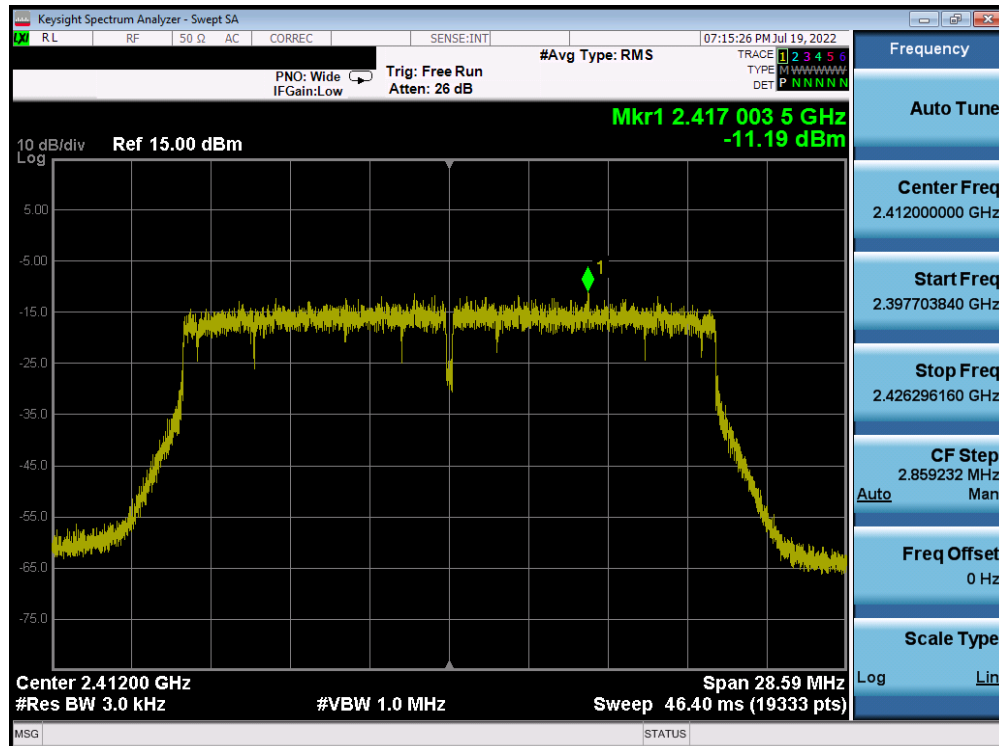


Plot 7-167. Power Spectral Density Plot CDD Antenna 4a (802.11n (2.4GHz) – Ch. 11) – MCS13

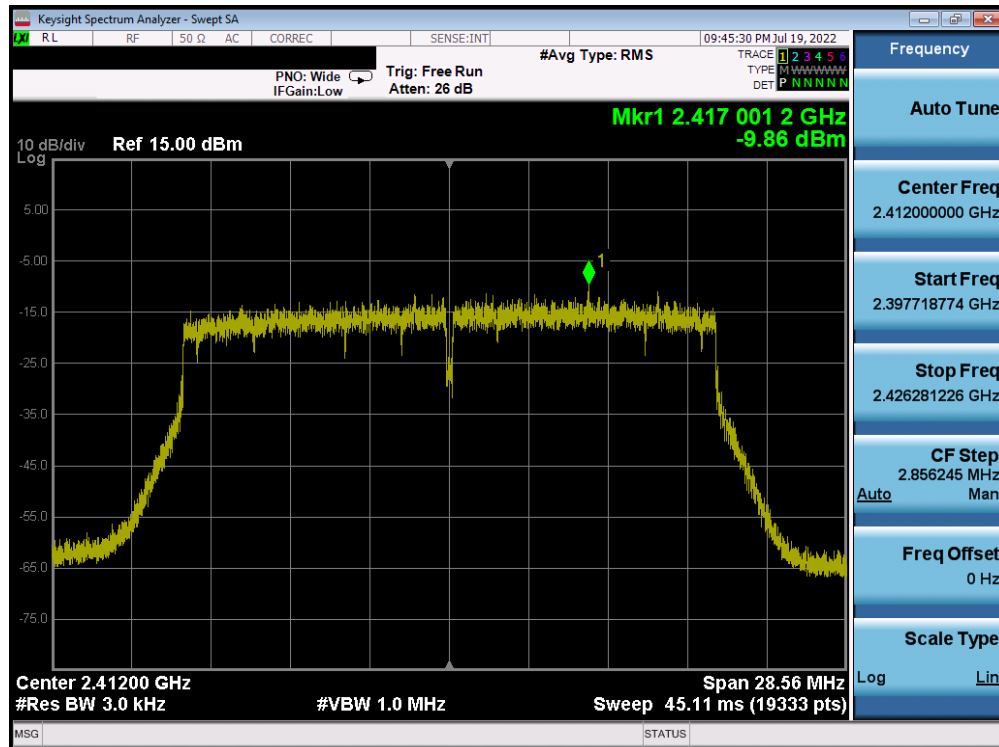


Plot 7-168. Power Spectral Density Plot CDD Antenna 2a (802.11n (2.4GHz) – Ch. 11) – MCS13

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 130 of 434



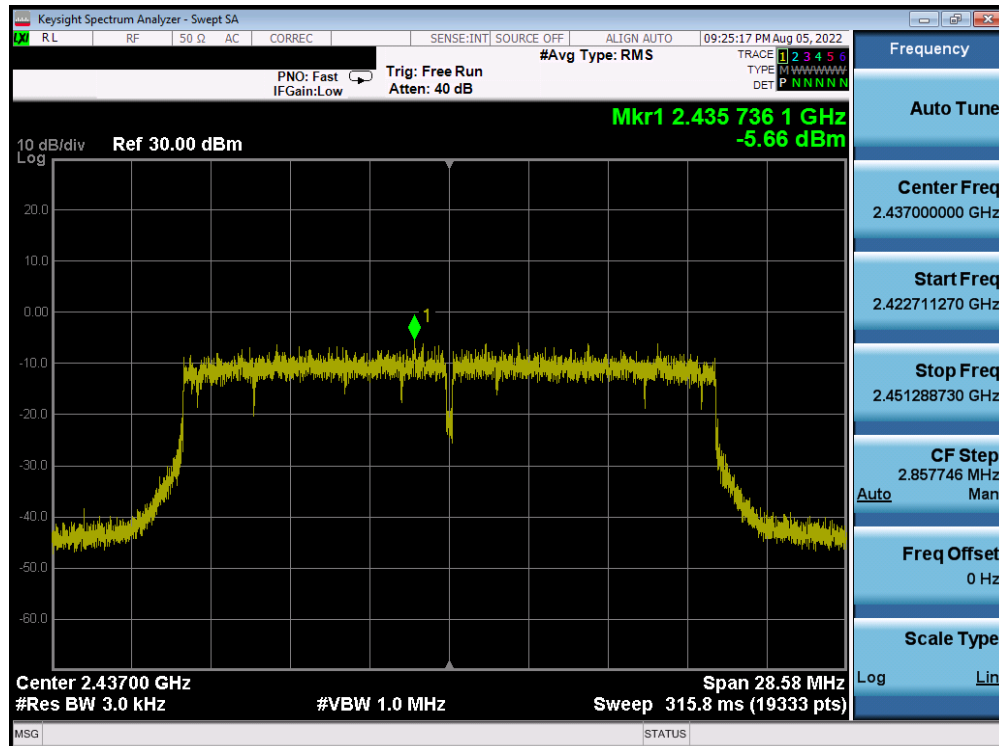
Plot 7-169. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5



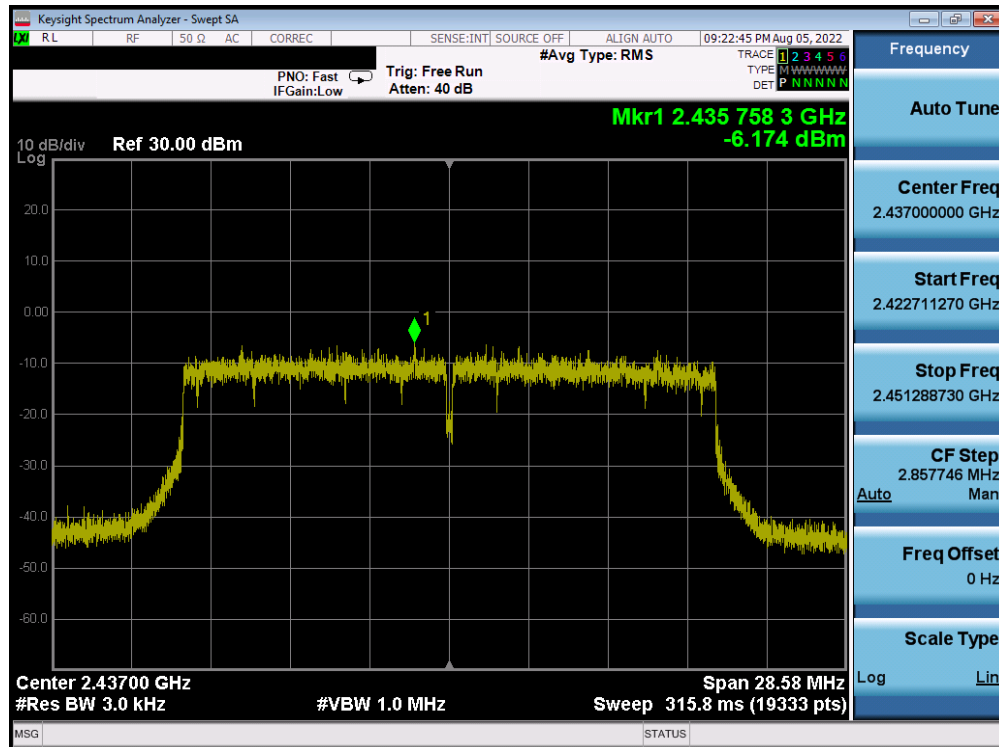
Plot 7-170. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 131 of 434

V 10.5 12/15/2021



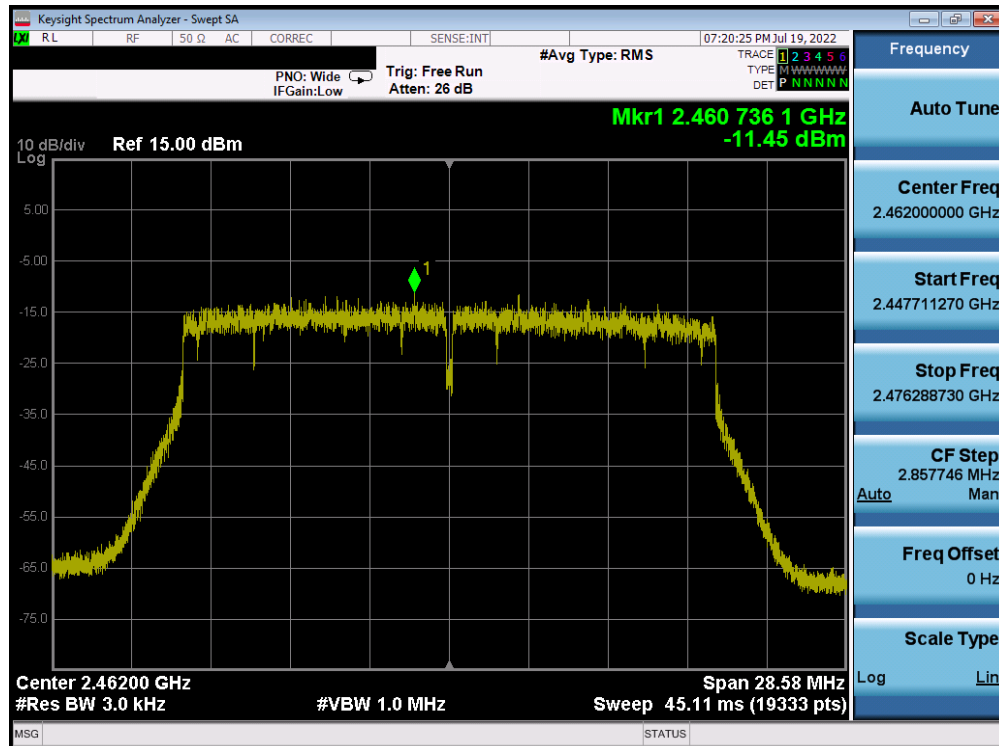
Plot 7-171. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5



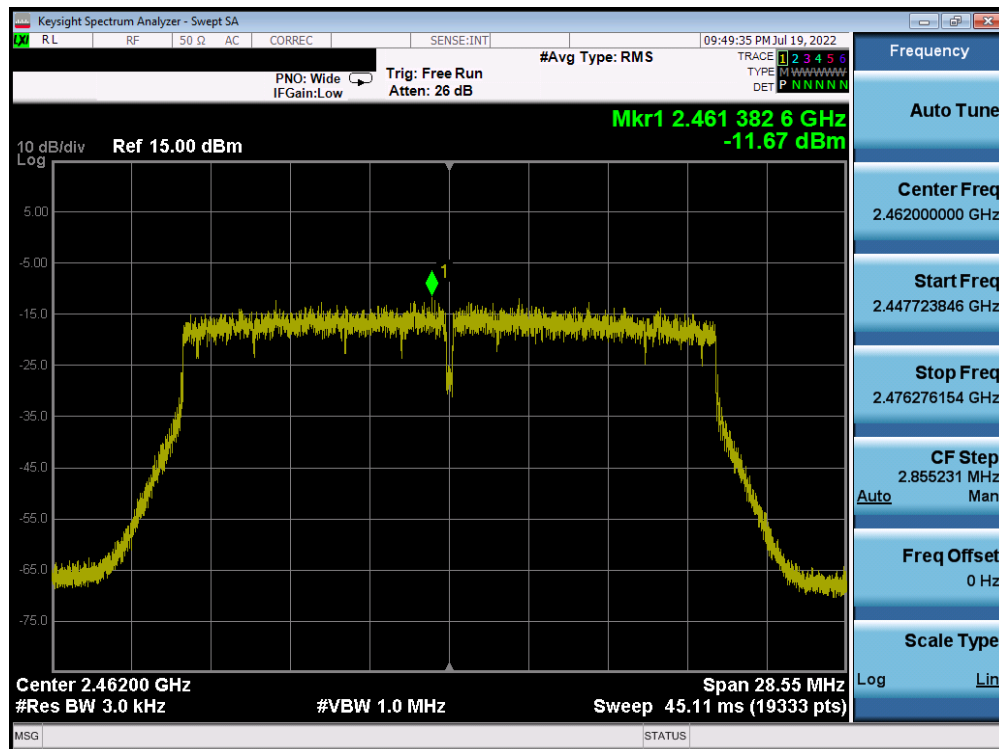
Plot 7-172. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 132 of 434

V 10.5 12/15/2021



Plot 7-173. Power Spectral Density Plot CDD Antenna 4a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5



Plot 7-174. Power Spectral Density Plot CDD Antenna 2a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 133 of 434

V 10.5 12/15/2021

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

Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 D01 v02r01 Section E)2), the power spectral density at Antenna 4a and Antenna 2a were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample CDD Calculation:

At 2412MHz the average conducted power spectral density was measured to be -8.96 dBm for Antenna 4a and -9.69 dBm for Antenna 2a.

$$\text{Antenna 4a} + \text{Antenna 2a} = \text{CDD}$$

$$(-8.96 \text{ dBm} + -9.69 \text{ dBm}) = (0.127 \text{ mW} + 0.107 \text{ mW}) = 0.234 \text{ mW} = -6.30 \text{ dBm}$$

FCC ID: BCGA2435 IC: 579C-A2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 134 of 434

V 10.5 12/15/2021

7.5 Conducted Authorized Band Edge

§15.247(d); RSS-247 [5.5]

Test Overview and Limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. For the following out of band conducted spurious emissions plots at the band edge, the EUT was set at a data rate of 11Mbps for “b” mode, 12, 18, 36 Mbps for “g” mode, 19.5/21.7, 26/28.9, 52/57.8Mbps for “n” mode, and 24/25.8, 33/34.4, 65/68.8 for “ax-SU” mode as these settings produced the worst-case emissions.

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the PSD procedure (Section 7.4).

Test Procedure Used

ANSI C63.10-2013 – Subclause 11.11.3
KDB 558074 D01 v05r02 – Section 8.7.2

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW = 100kHz
4. VBW = 1MHz
5. Detector = Peak
6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
7. Trace mode = max hold
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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



Figure 7-4. Test Instrument & Measurement Setup

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 135 of 434

V 10.5 12/15/2021

Test Notes

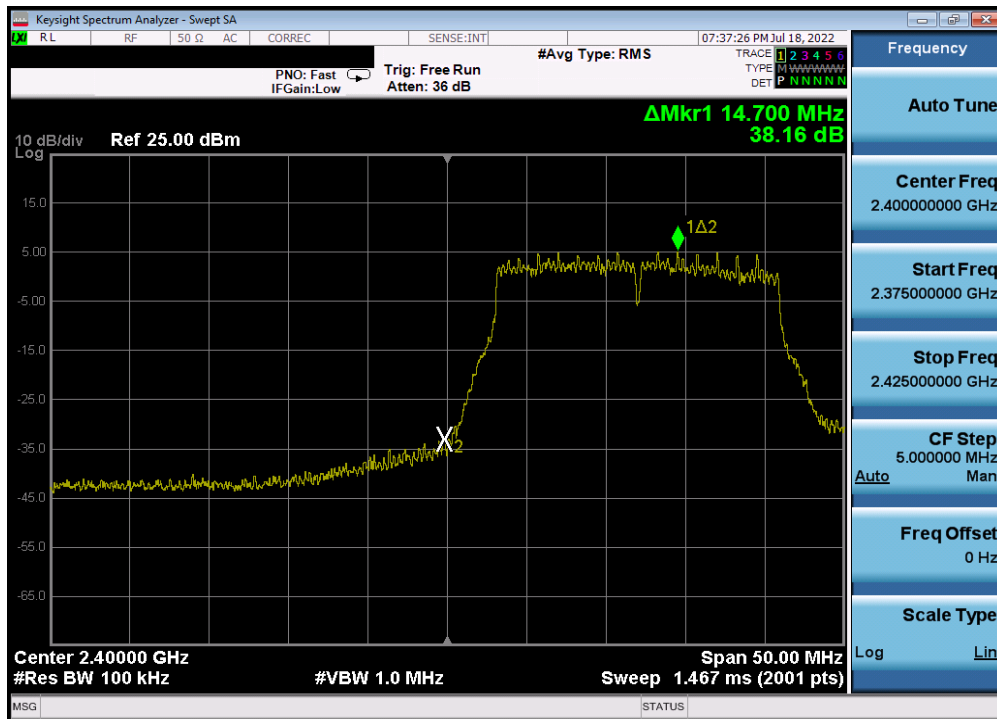
1. All antenna configurations were investigated and only the worst case is reported.
2. The data rates have been classified into three different groups: low data rate, middle data rate, and high data rate. All three data rate groups have been investigated and only the worst case data rate per group is reported.

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 136 of 434

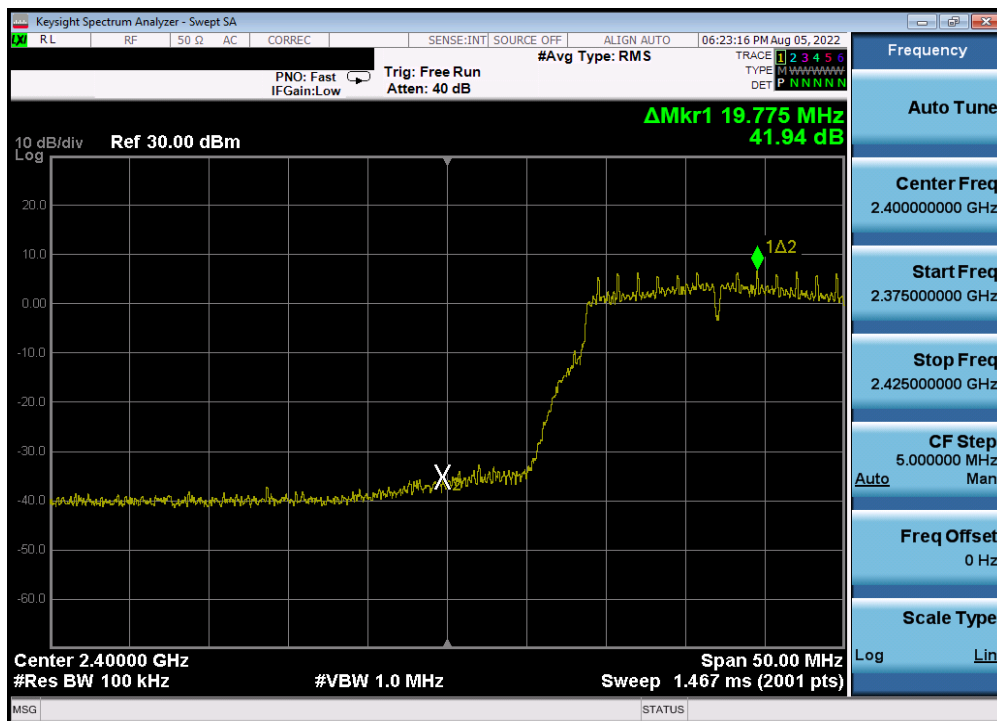
V 10.5 12/15/2021

Antenna 4a Conducted Emissions at the Band Edge

Low Data Rate



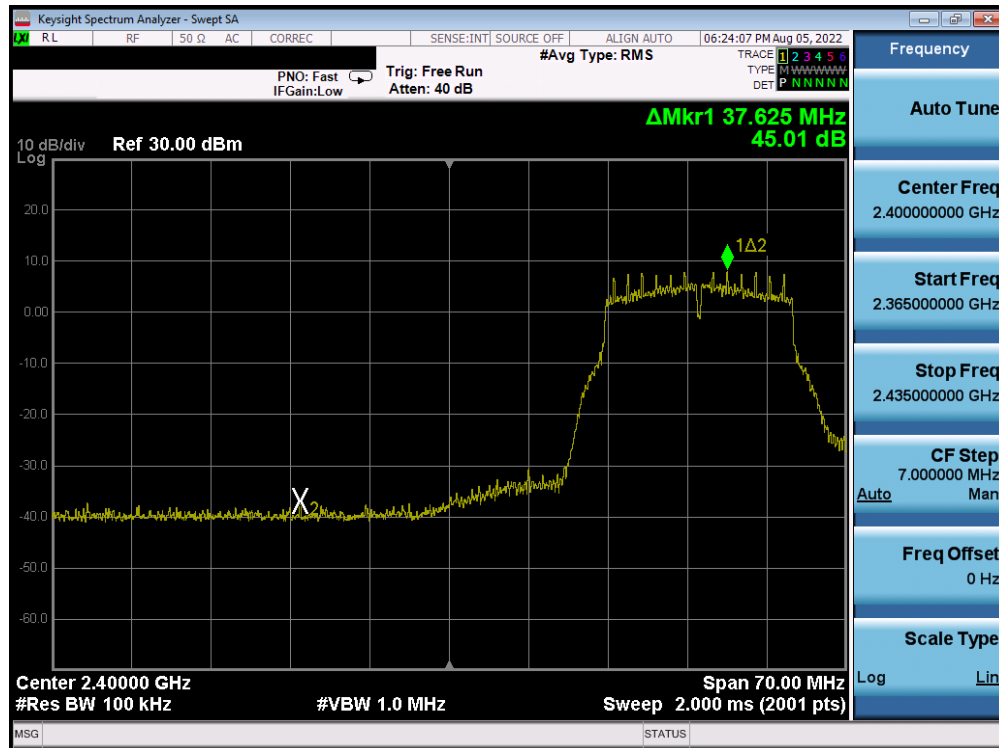
Plot 7-175. Band Edge Plot Antenna 4a (802.11g- Ch. 1) – 12Mbps



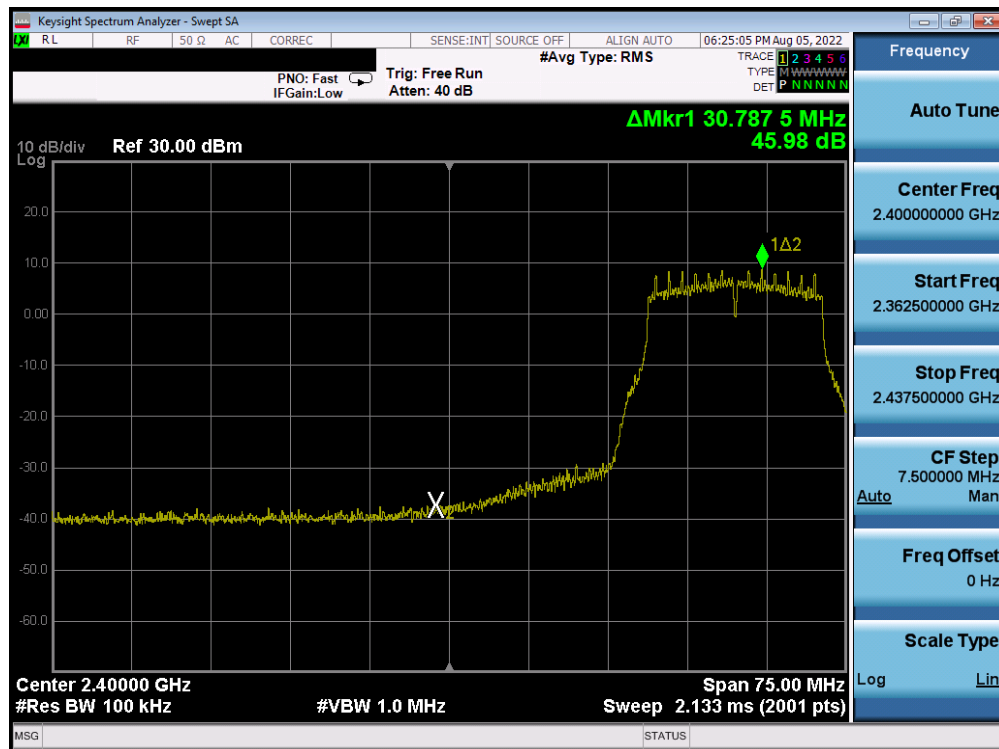
Plot 7-176. Band Edge Plot Antenna 4a (802.11g- Ch. 2) – 12Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 137 of 434

V 10.5 12/15/2021

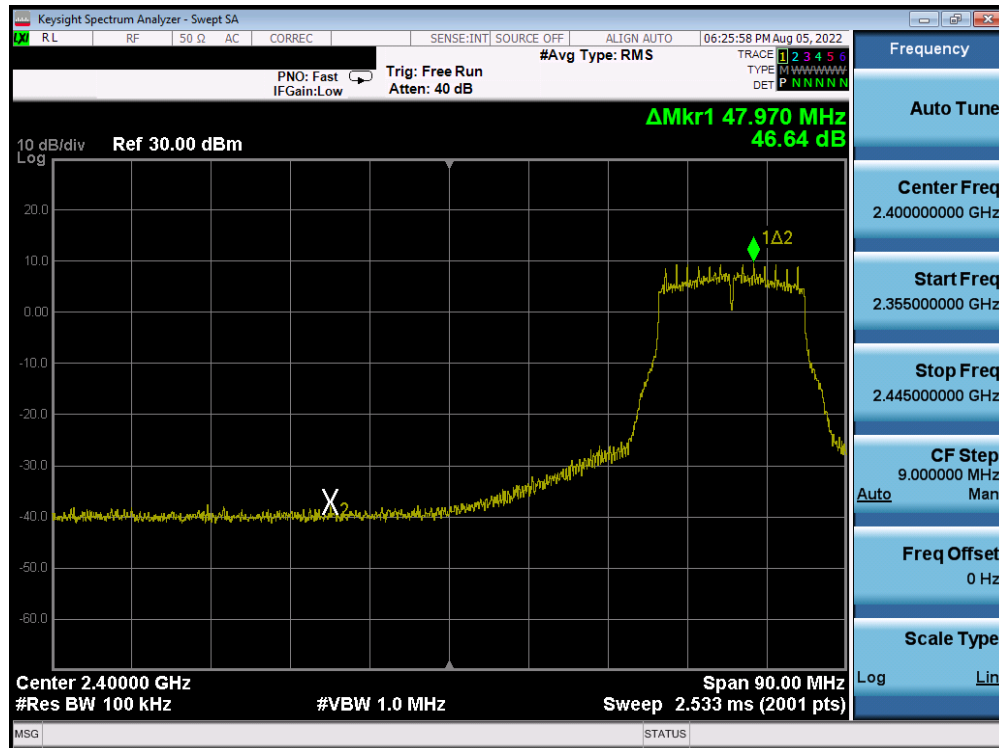


Plot 7-177. Band Edge Plot Antenna 4a (802.11g- Ch. 3) – 12Mbps

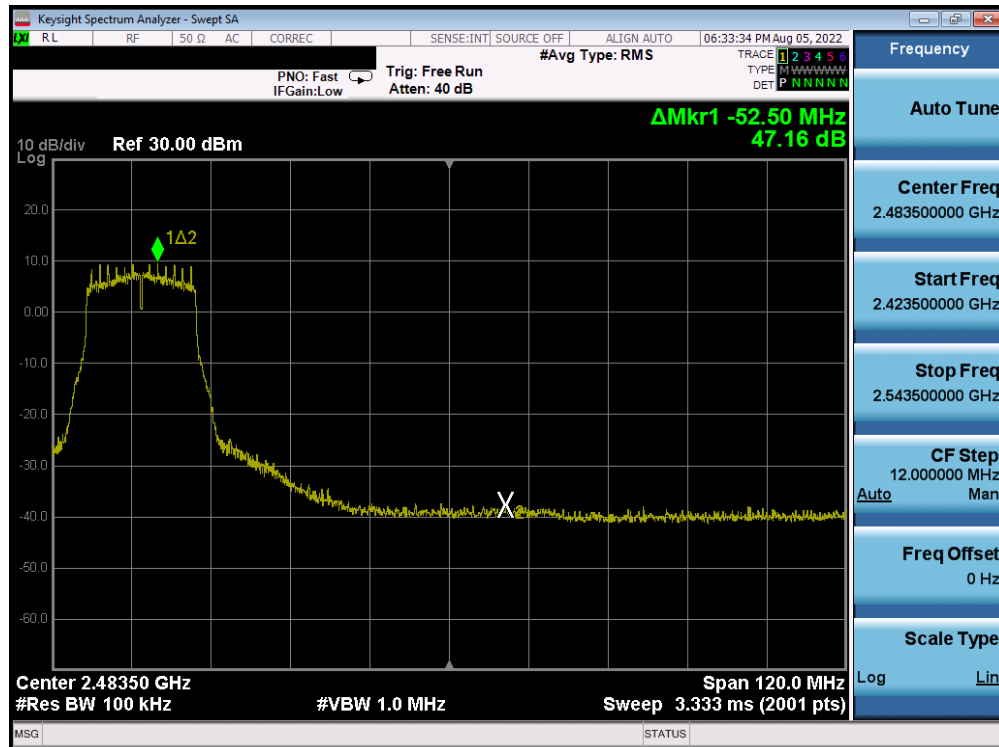


Plot 7-178. Band Edge Plot Antenna 4a (802.11g- Ch. 4) – 12Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 138 of 434



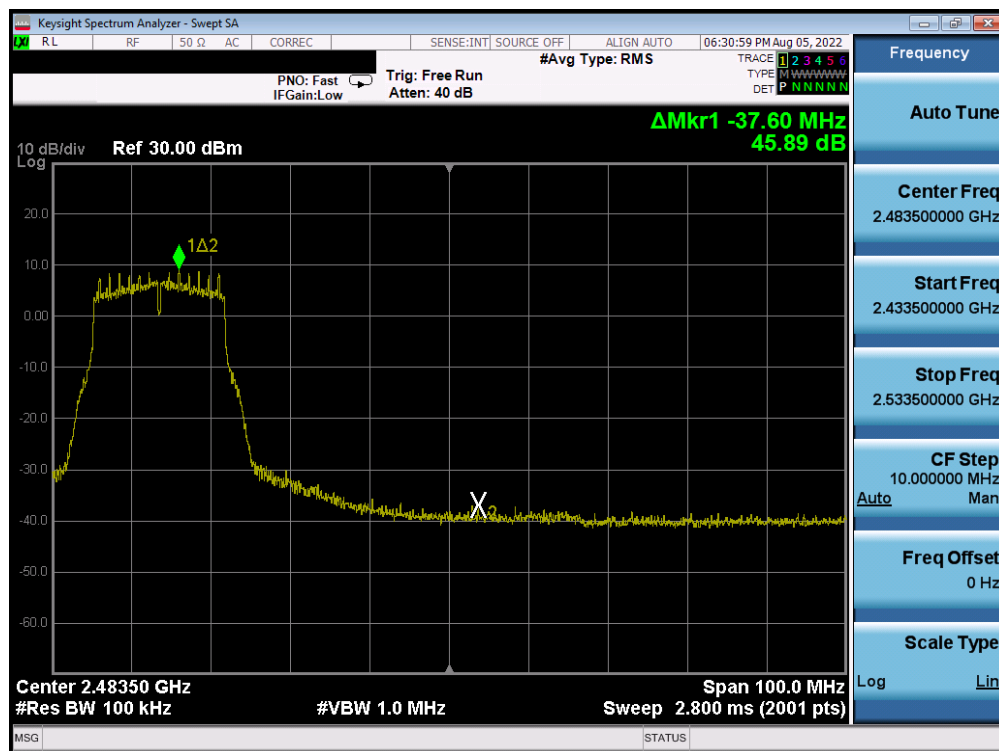
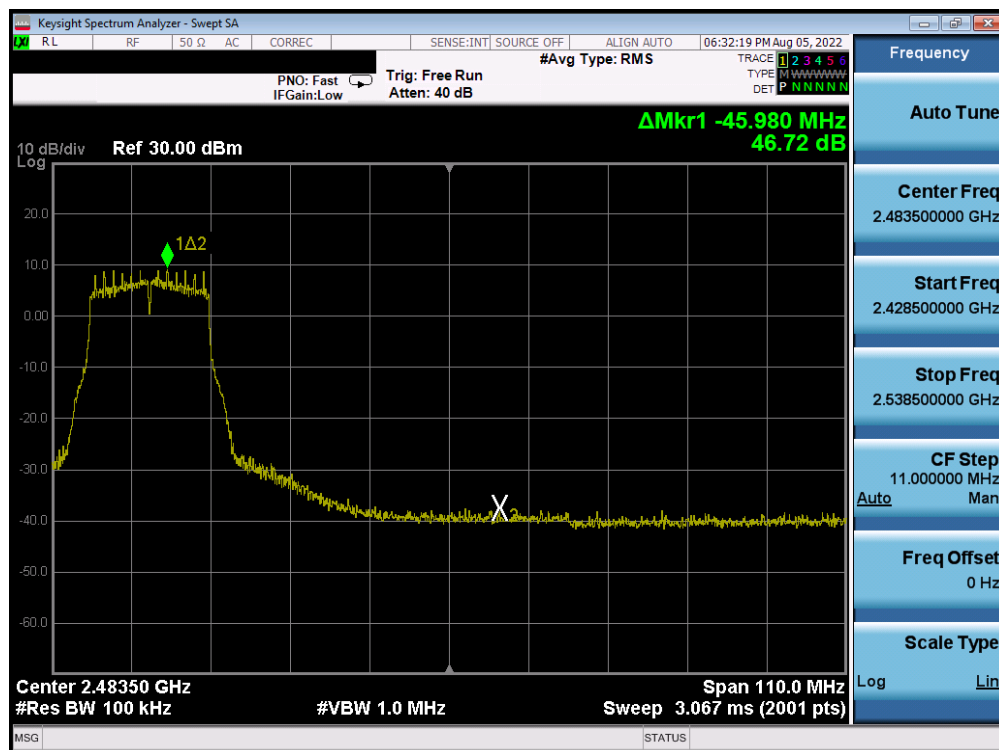
Plot 7-179. Band Edge Plot Antenna 4a (802.11g- Ch. 5) – 12Mbps

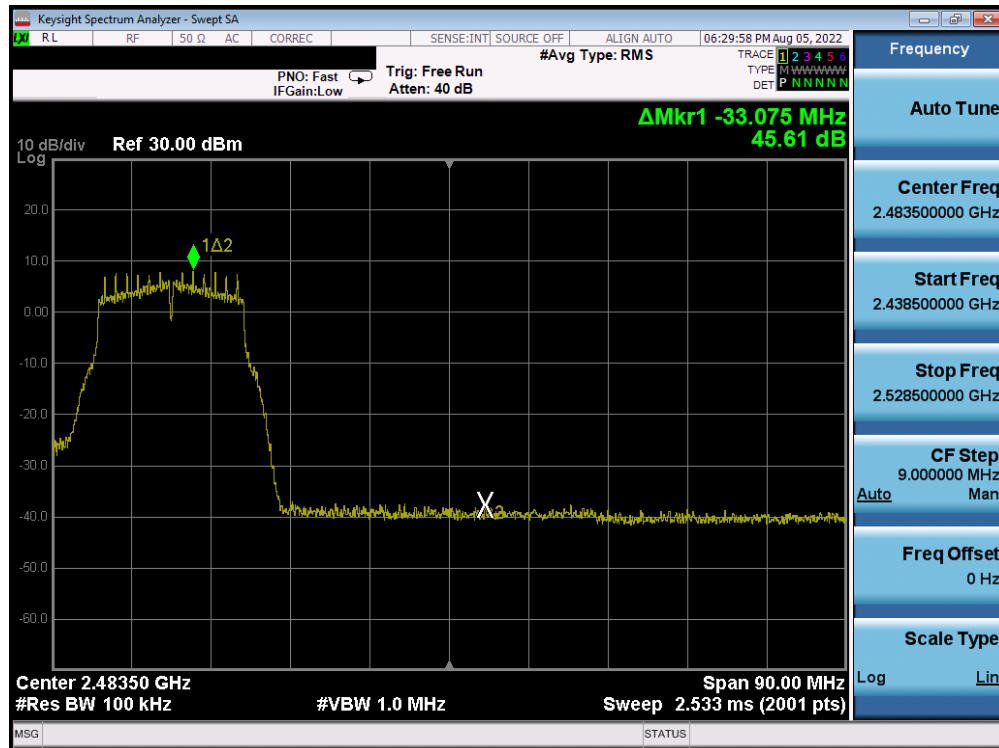


Plot 7-180. Band Edge Plot Antenna 4a (802.11g- Ch. 6 (high)) – 12Mbps

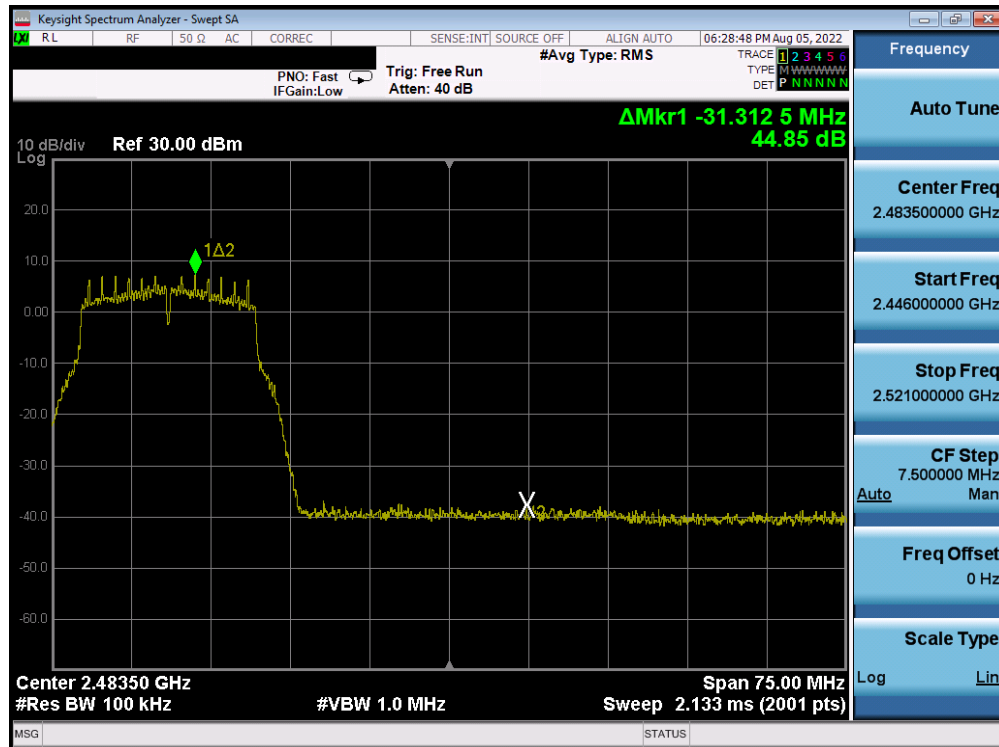
FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 139 of 434

V 10.5 12/15/2021





Plot 7-183. Band Edge Plot Antenna 4a (802.11g – Ch. 9) – 12Mbps



Plot 7-184. Band Edge Plot Antenna 4a (802.11g – Ch. 10) – 12Mbps

FCC ID: BCGA2435 IC: 579C-A2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-11.BCG	Test Dates: 05/30/2022 - 09/03/2022	EUT Type: Tablet Device	Page 141 of 434

V 10.5 12/15/2021