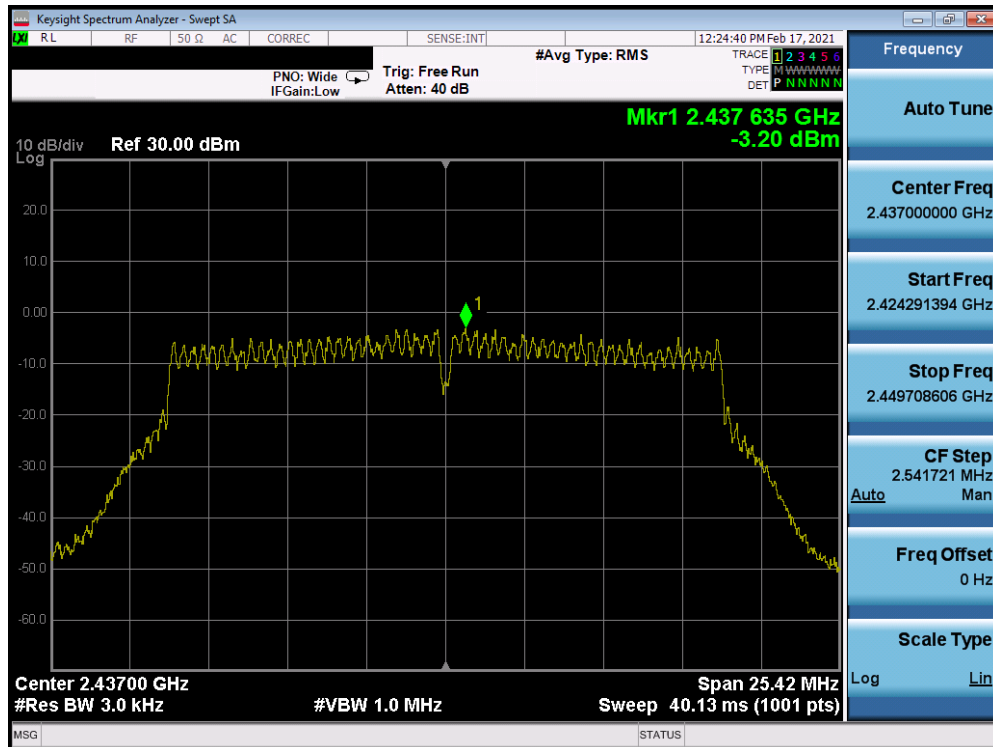
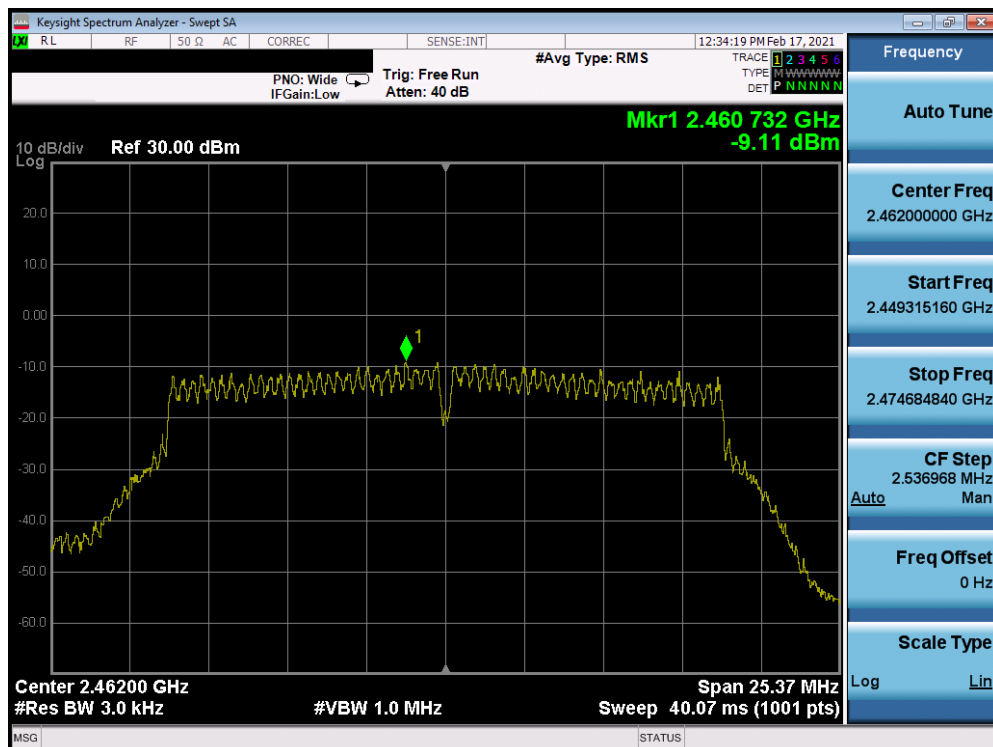


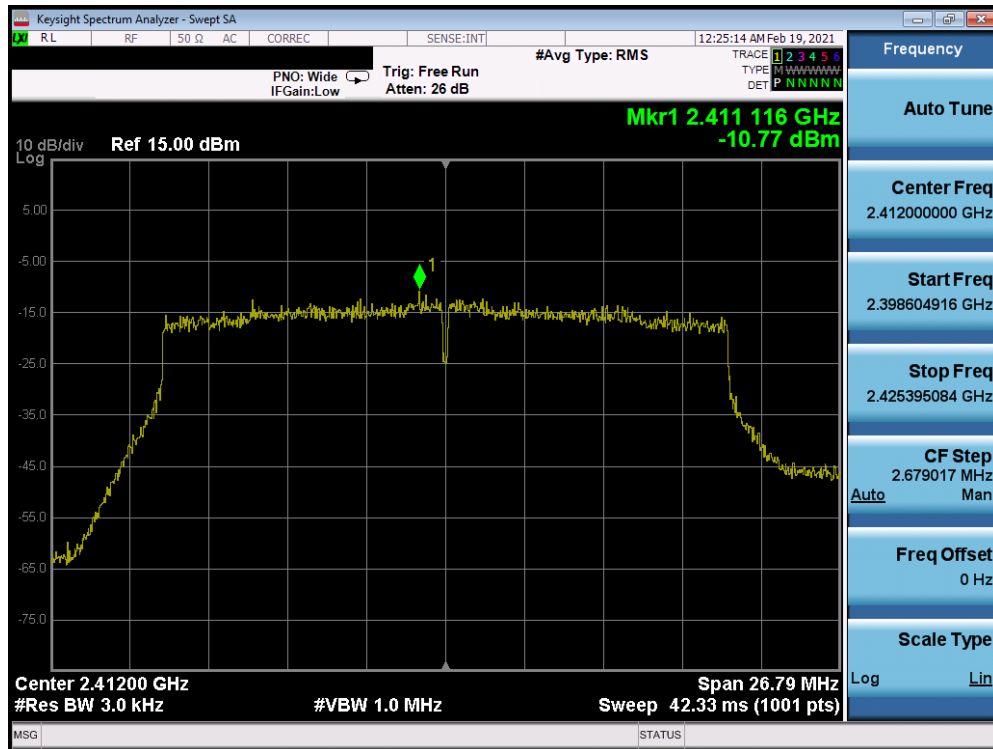


Plot 7-95. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 6) – MCS0

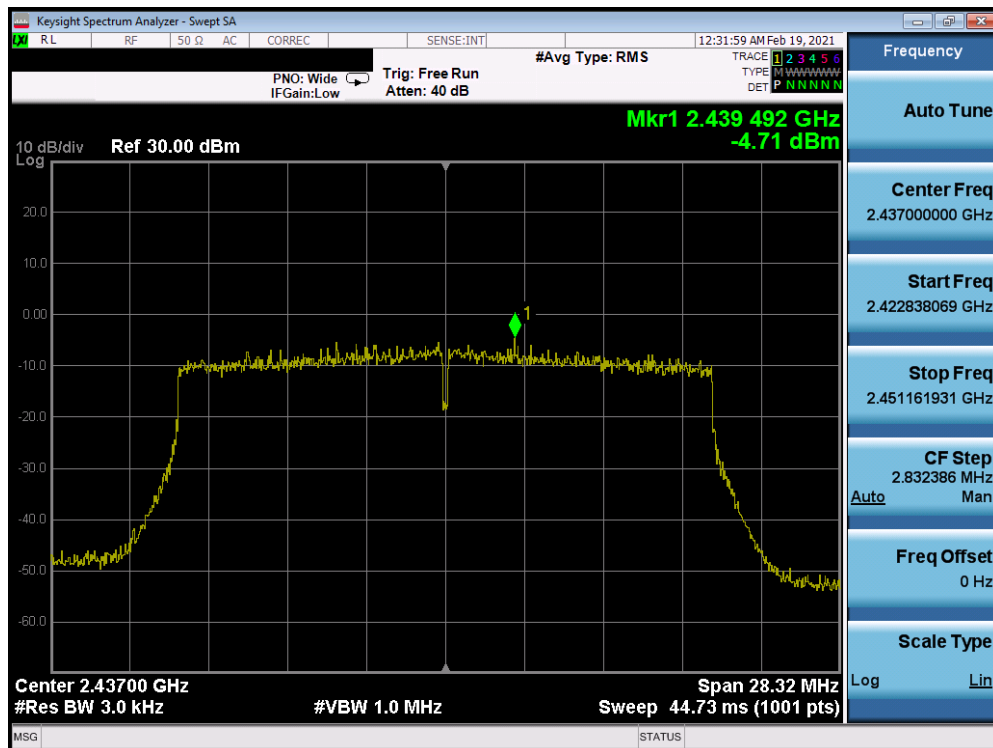


Plot 7-96. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 11) – MCS0

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 89 of 390

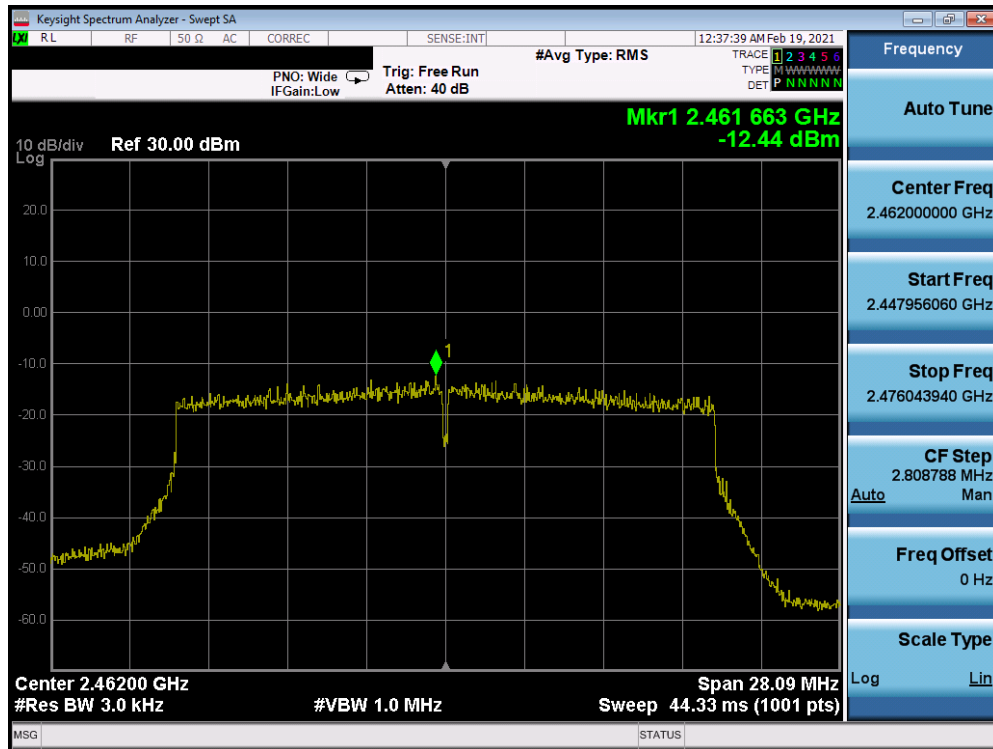


Plot 7-97. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS0

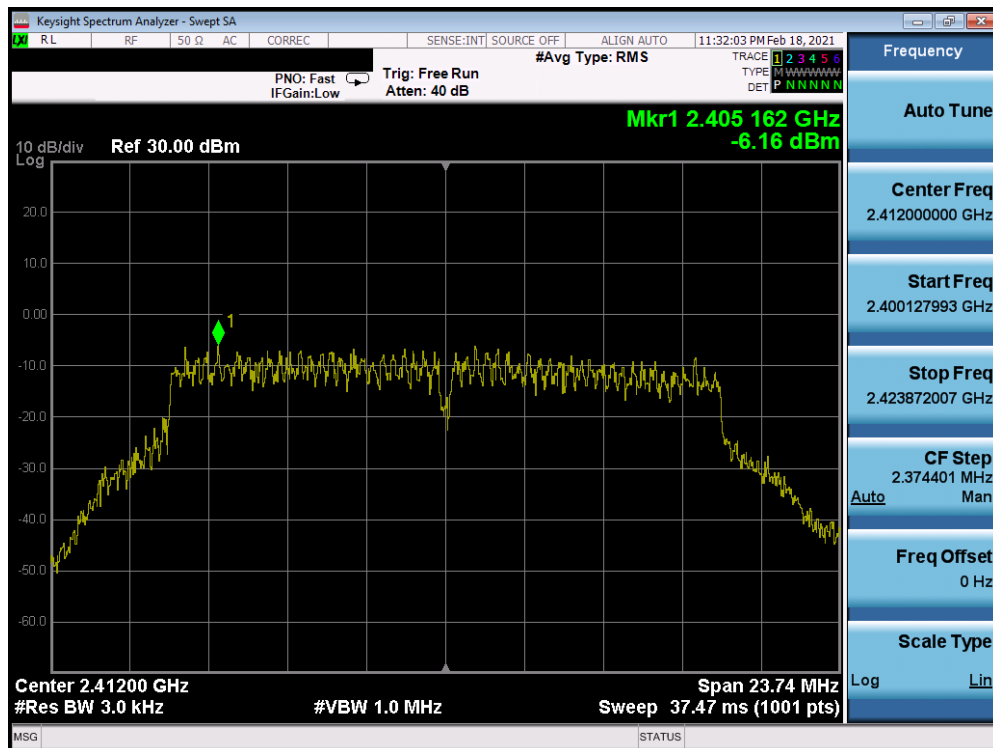


Plot 7-98. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS0

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 90 of 390

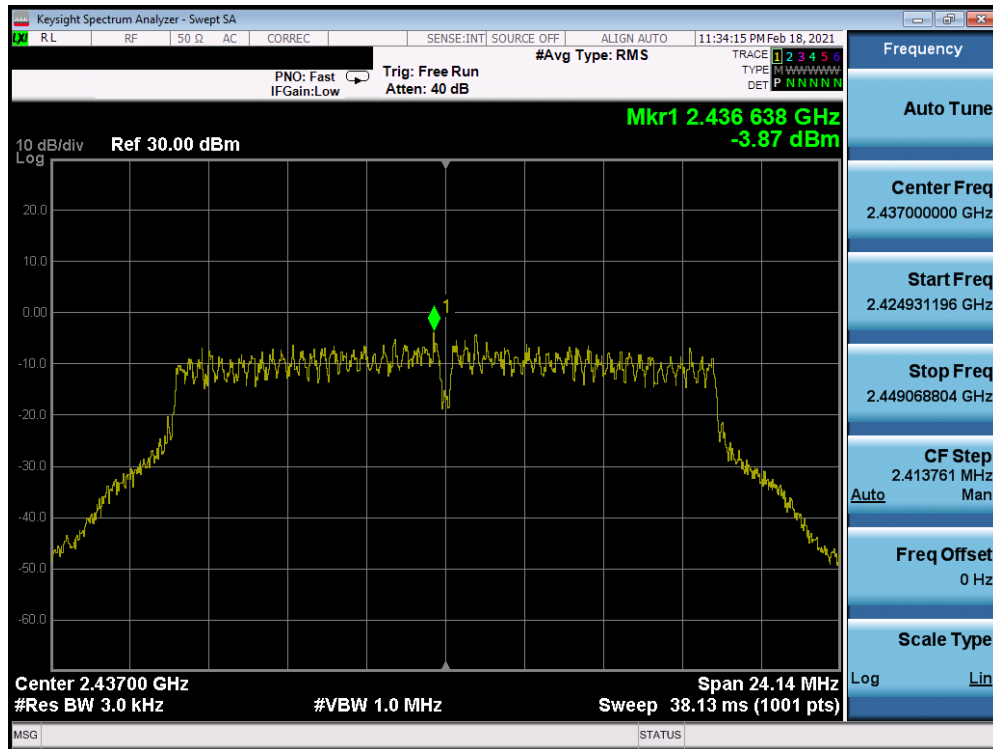


Plot 7-99. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS0

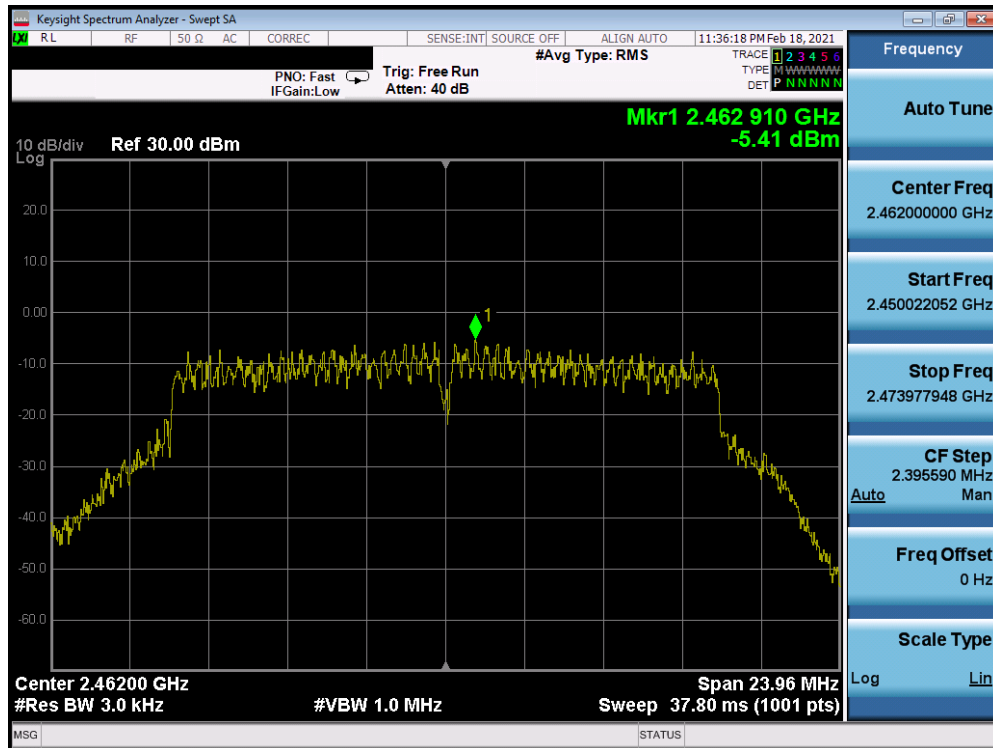


Plot 7-100. Power Spectral Density Plot Antenna 7 (802.11g – Ch. 1) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 91 of 390

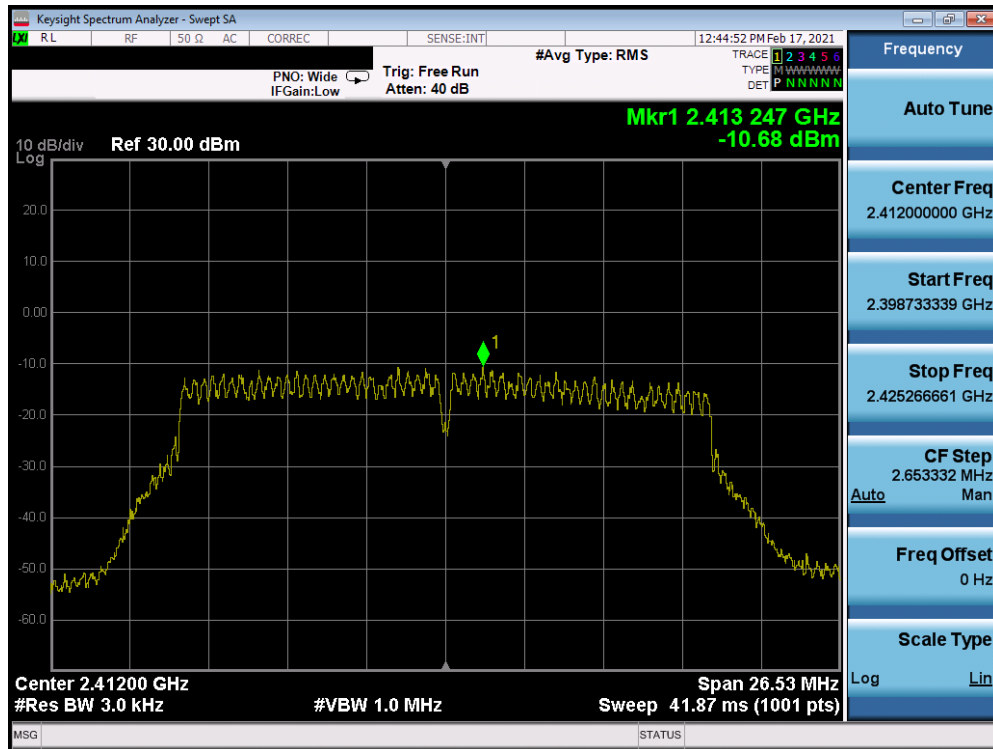


Plot 7-101. Power Spectral Density Plot Antenna 7 (802.11g – Ch. 6) – 18Mbps

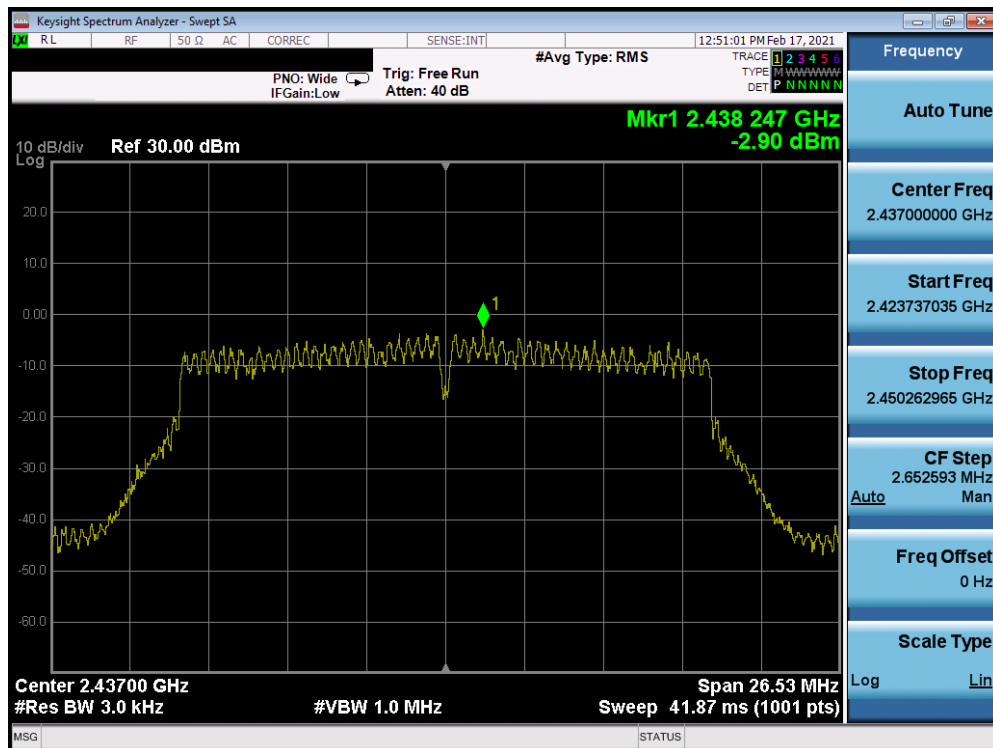


Plot 7-102. Power Spectral Density Plot Antenna 7 (802.11g – Ch. 11) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 92 of 390

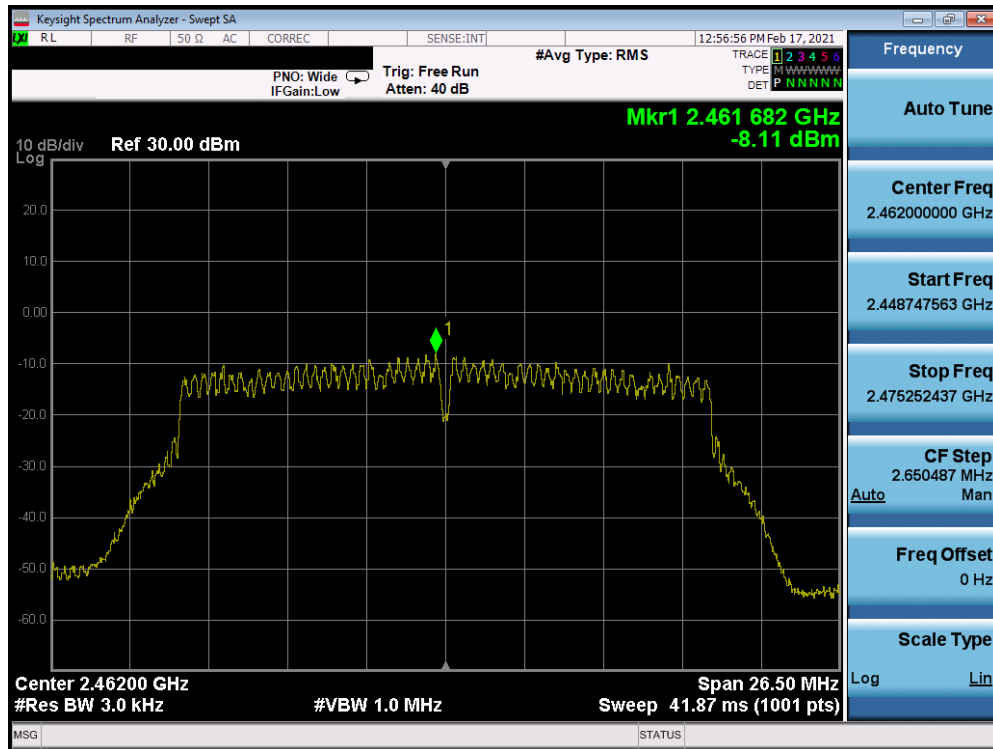


Plot 7-103. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 1) – MCS3

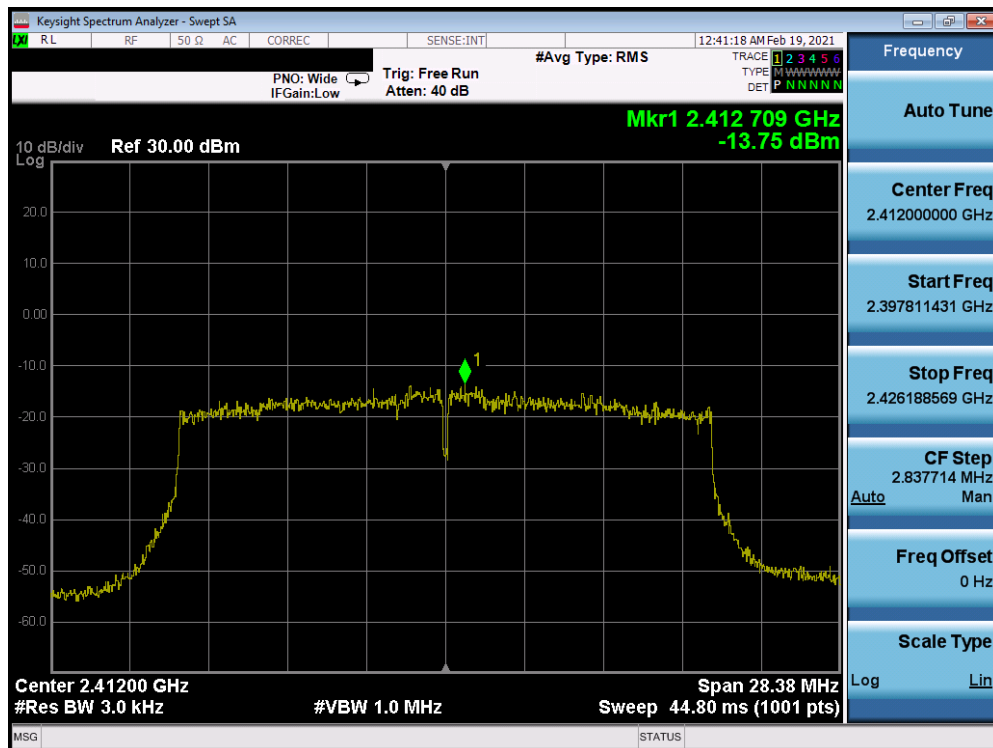


Plot 7-104. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 6) – MCS3

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 93 of 390

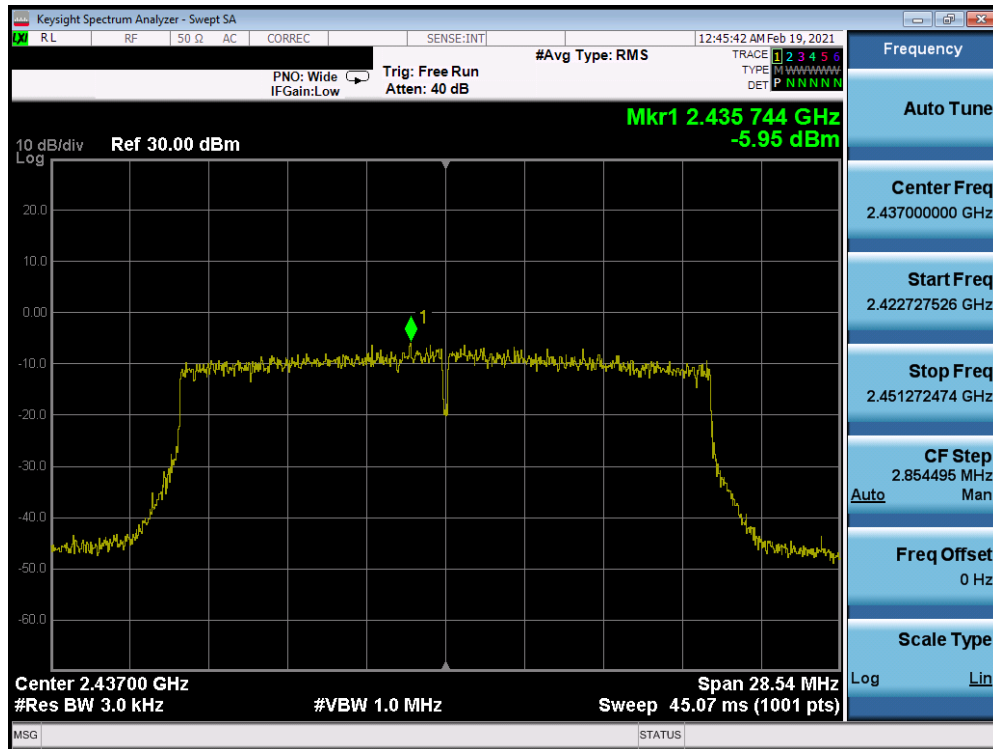


Plot 7-105. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 11) – MCS3

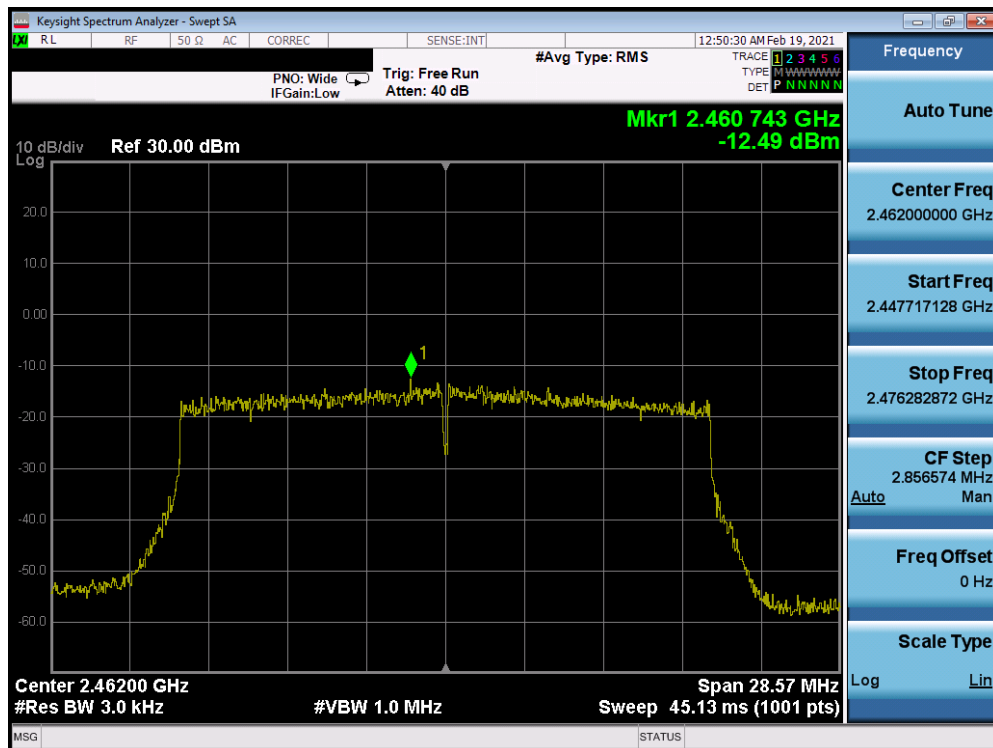


Plot 7-106. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 94 of 390

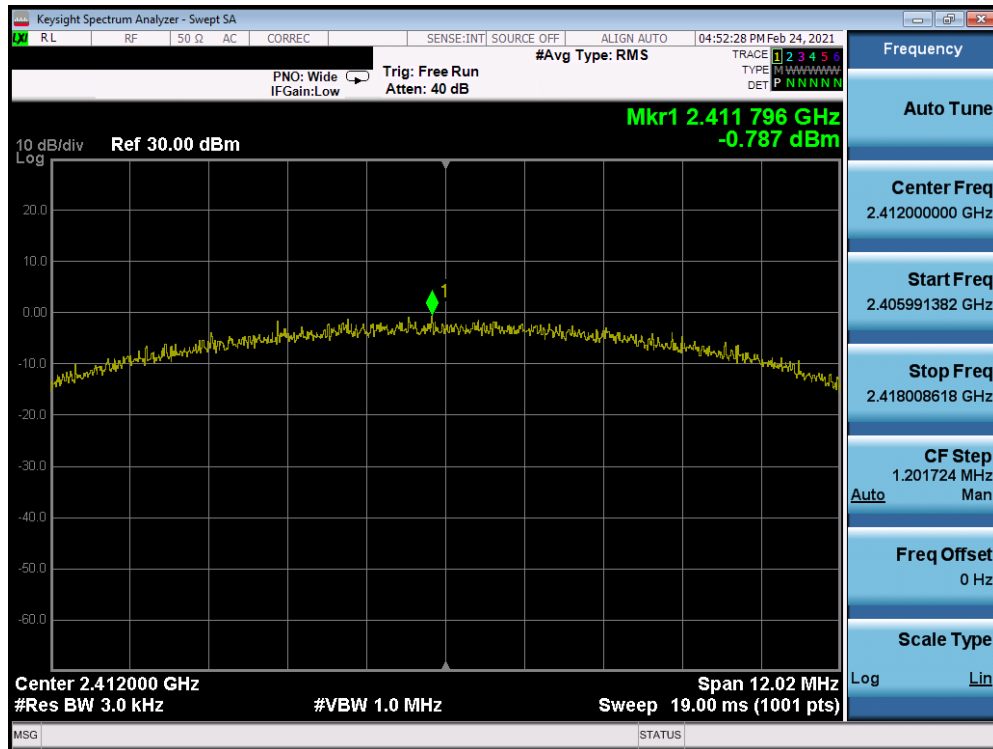


Plot 7-107. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS3

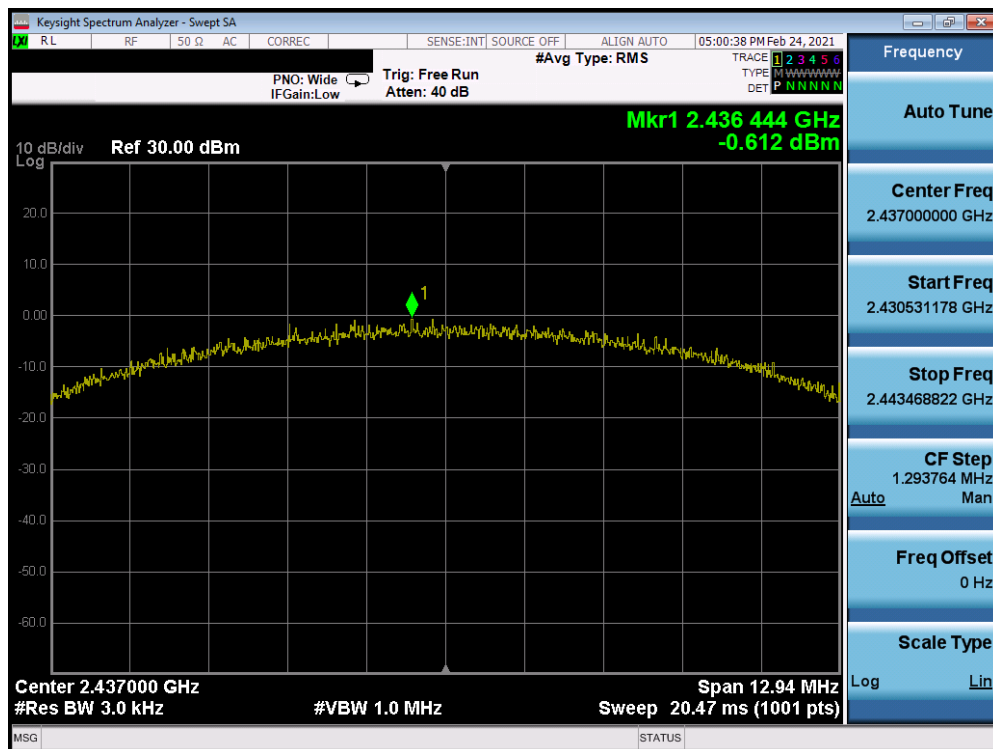


Plot 7-108. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 95 of 390

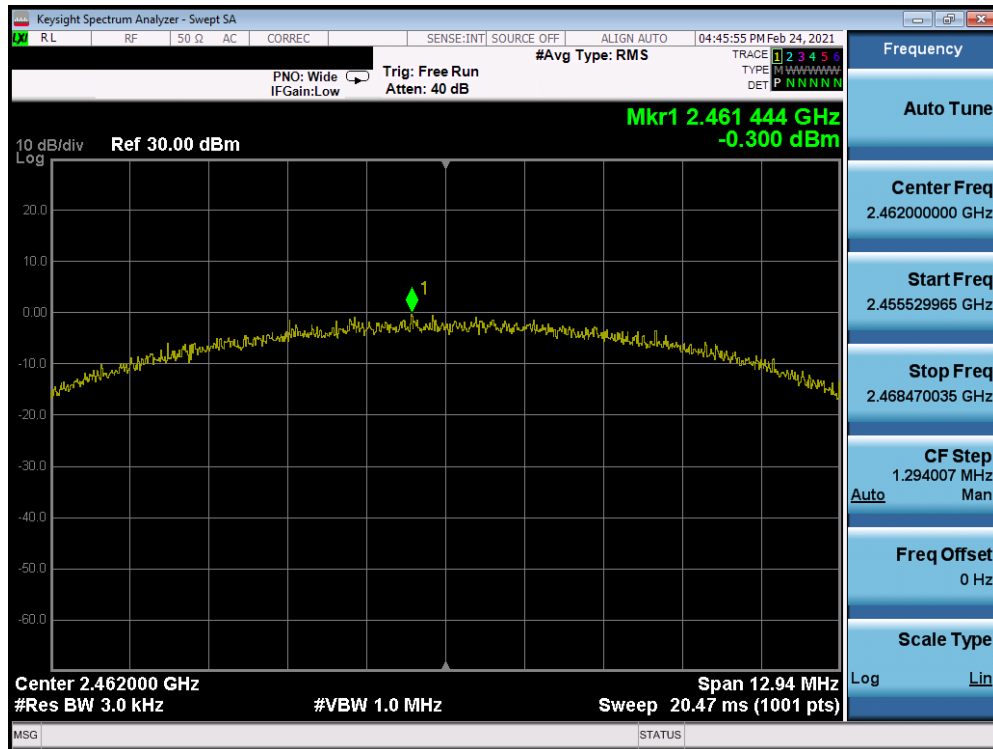


Plot 7-109. Power Spectral Density Plot Antenna 7 (802.11b – Ch. 1) – 11Mbps

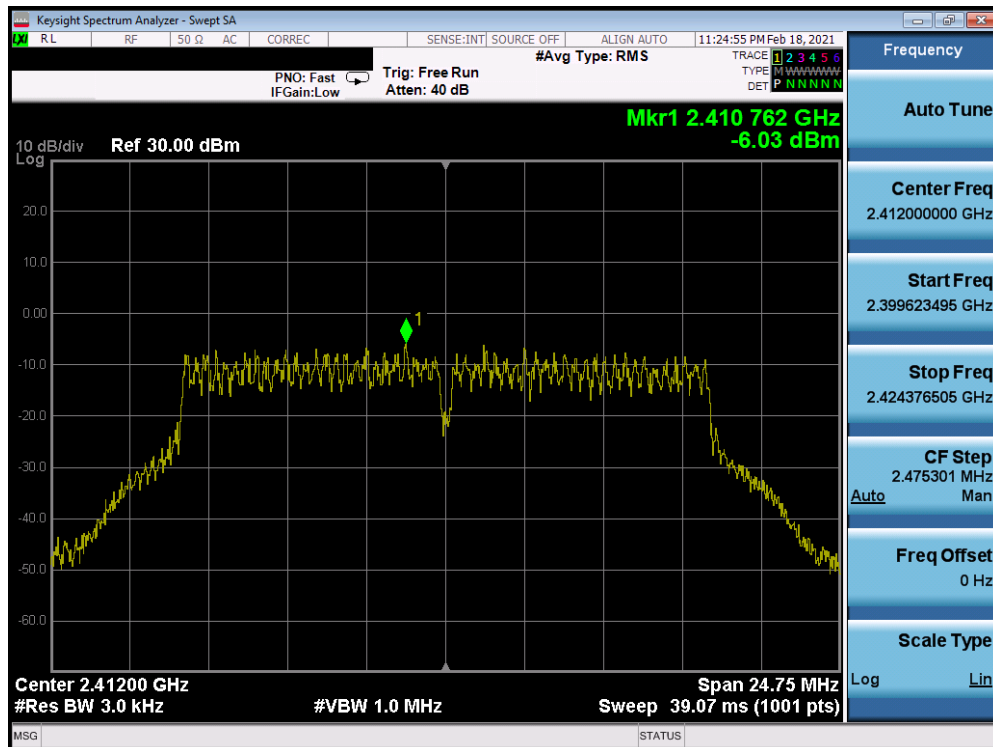


Plot 7-110. Power Spectral Density Plot Antenna 7 (802.11b – Ch. 6) – 11Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 96 of 390

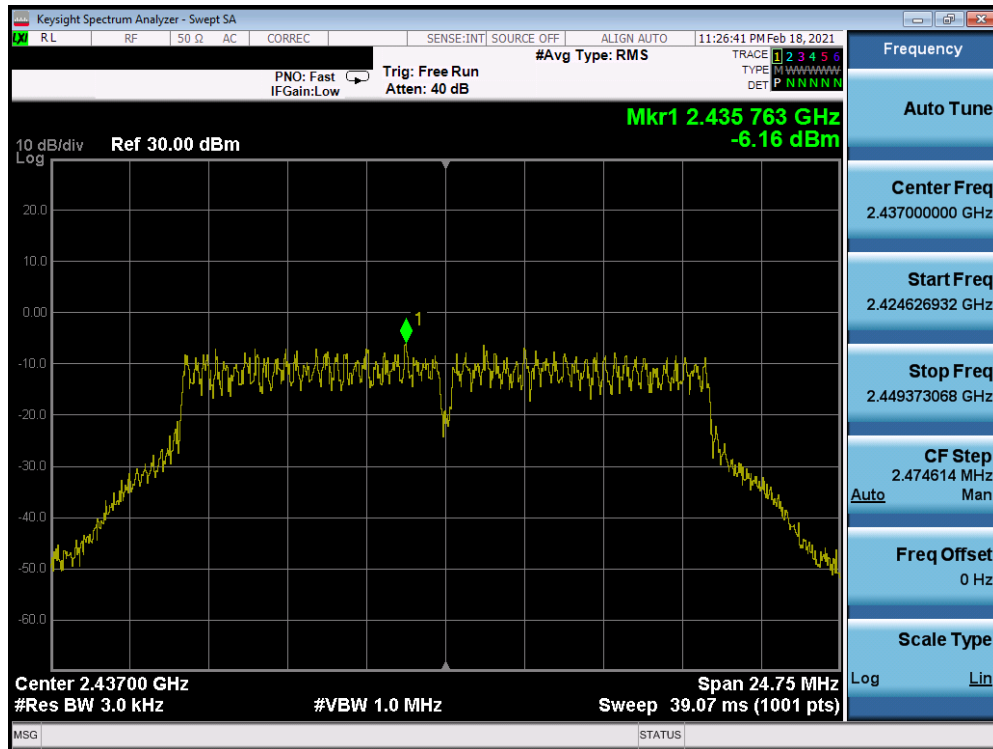


Plot 7-111. Power Spectral Density Plot Antenna 7 (802.11b – Ch. 11) – 11Mbps

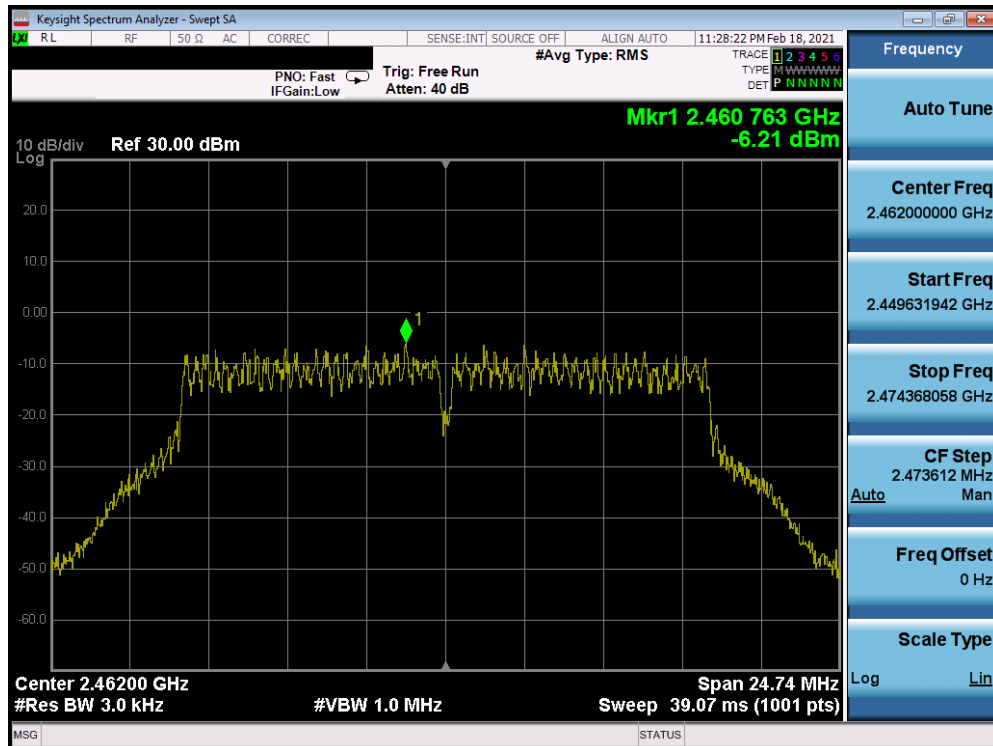


Plot 7-112. Power Spectral Density Plot Antenna 7 (802.11g – Ch. 1) – 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 97 of 390

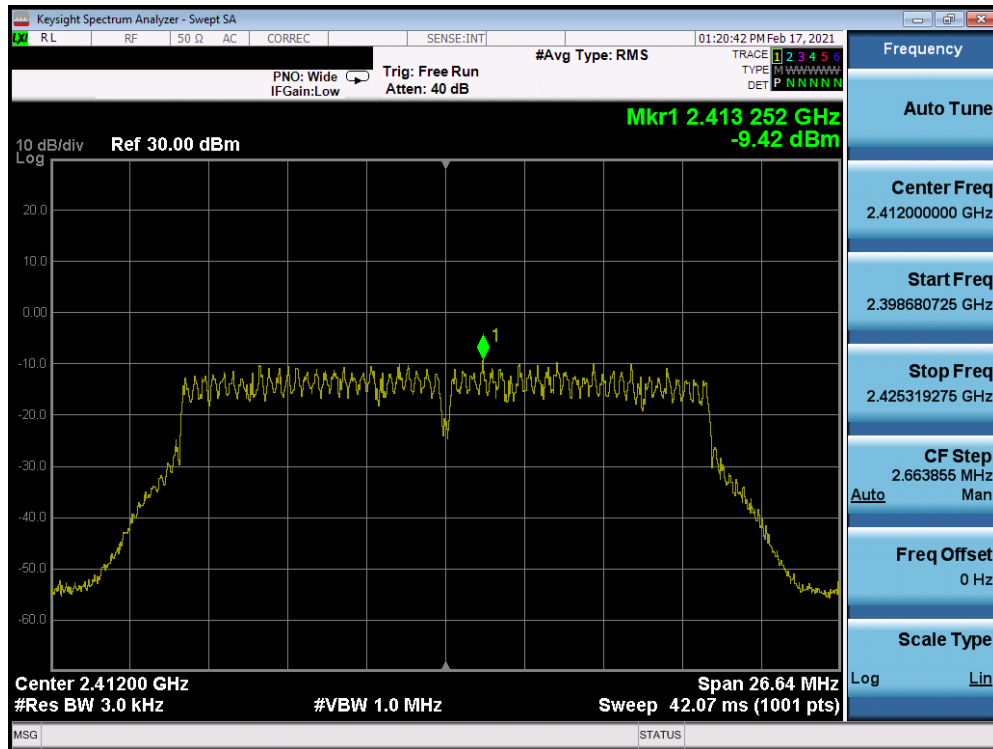


Plot 7-113. Power Spectral Density Plot Antenna 7 (802.11g - Ch. 6) - 54Mbps

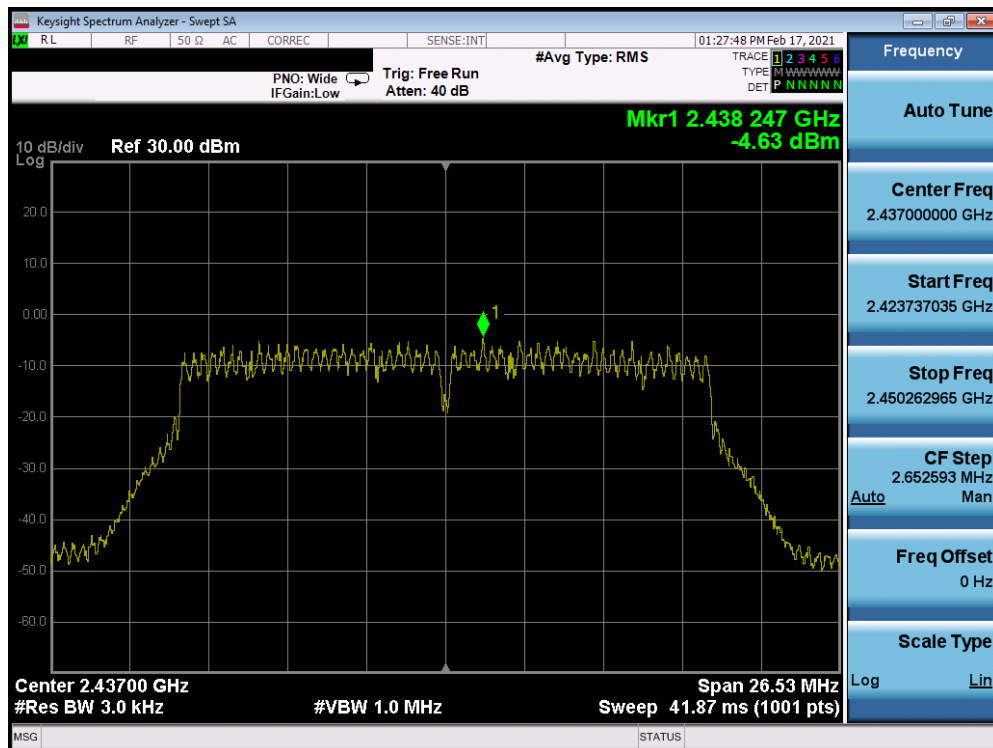


Plot 7-114: Power Spectral Density Plot Antenna 7 (802.11g - Ch. 11) - 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 98 of 390

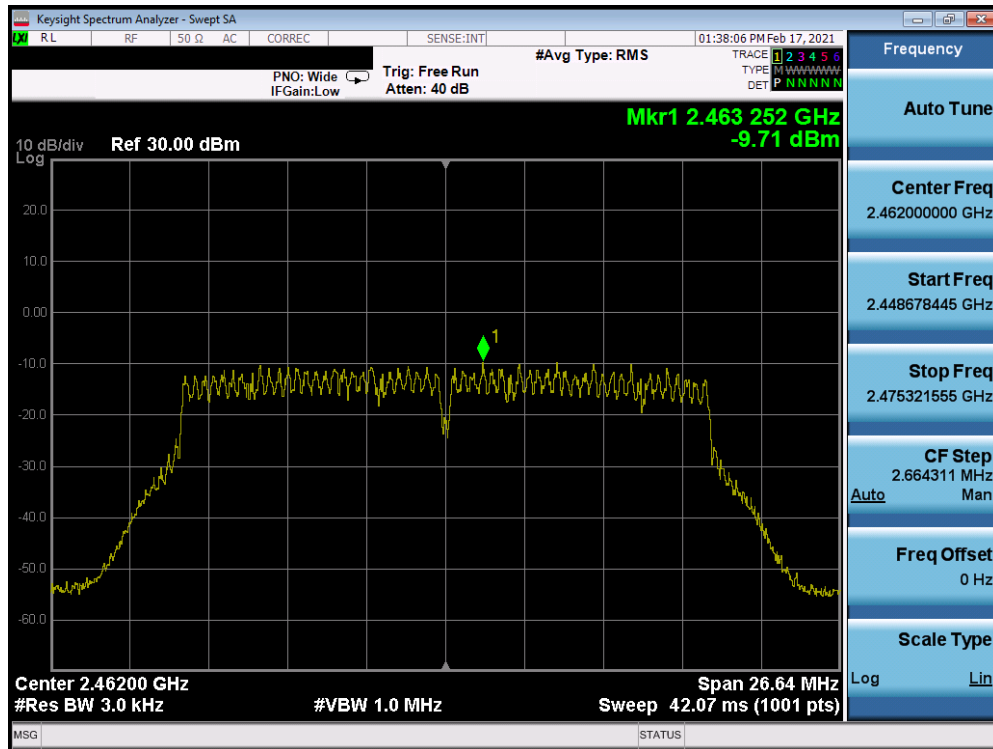


Plot 7-115. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 1) – MCS7

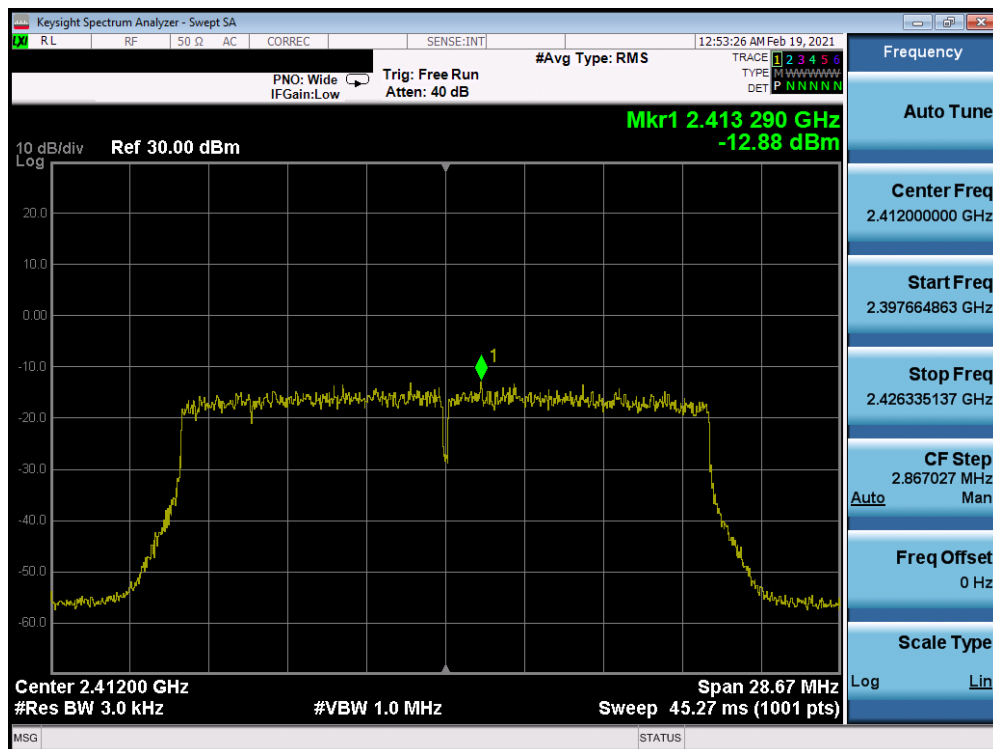


Plot 7-116. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 6) – MCS7

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 99 of 390

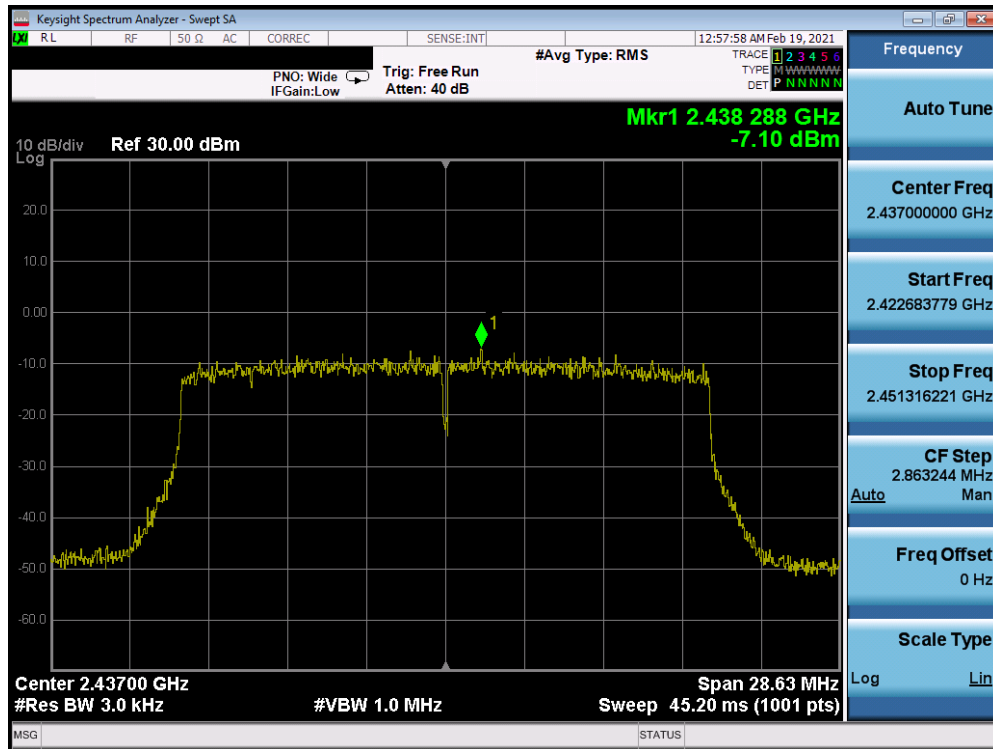


Plot 7-117. Power Spectral Density Plot Antenna 7 (802.11n (2.4GHz) – Ch. 11) – MCS7

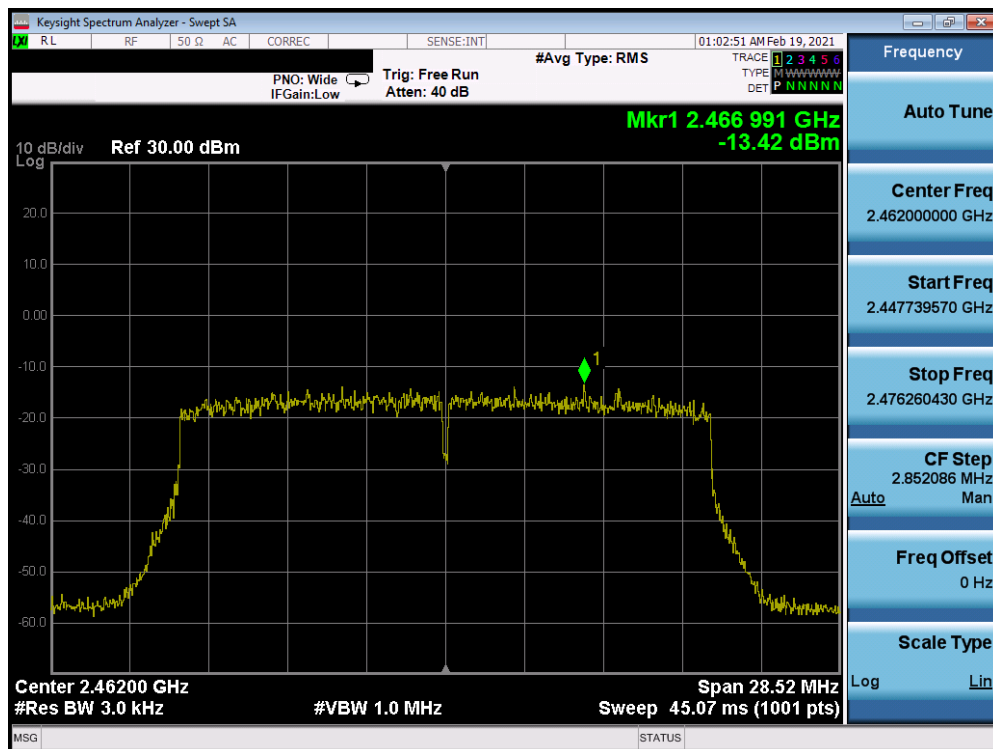


Plot 7-118. Power Spectral Density Plot Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 100 of 390



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



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

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 101 of 390

CDD Power Spectral Density Measurements

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Antenna 8 Power Spectral Density [dBm / 3kHz]	Antenna 7 Power Spectral Density [dBm / 3kHz]	Summed CDD Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	g	6	-11.79	-11.97	-8.87	8.00	-16.87	Pass
2437	6	g	6	-5.79	-5.26	-2.51	8.00	-10.51	Pass
2462	11	g	6	-11.69	-11.79	-8.73	8.00	-16.73	Pass
2412	1	n	6.5/7.2 (MCS0)	-10.92	-11.16	-8.03	8.00	-16.03	Pass
2437	6	n	6.5/7.2 (MCS0)	-4.54	-5.66	-2.05	8.00	-10.05	Pass
2462	11	n	6.5/7.2 (MCS0)	-11.10	-11.54	-8.30	8.00	-16.30	Pass
2412	1	ax-SU	8/8.6 (MCS0)	-13.10	-13.35	-10.21	8.00	-18.21	Pass
2437	6	ax-SU	8/8.6 (MCS0)	-7.69	-7.31	-4.49	8.00	-12.49	Pass
2462	11	ax-SU	8/8.6 (MCS0)	-13.95	-12.00	-9.86	8.00	-17.86	Pass

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

Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Antenna 8 Power Spectral Density [dBm / 3kHz]	Antenna 7 Power Spectral Density [dBm / 3kHz]	Summed CDD Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	g	18	-15.24	-15.42	-12.32	8.00	-20.32	Pass
2437	6	g	18	-5.42	-5.48	-2.44	8.00	-10.44	Pass
2462	11	g	18	-12.58	-12.63	-9.59	8.00	-17.59	Pass
2412	1	n	52/57.8 (MCS11)	-13.33	-12.90	-10.10	8.00	-18.10	Pass
2437	6	n	52/57.8 (MCS11)	-5.52	-5.17	-2.33	8.00	-10.33	Pass
2462	11	n	52/57.8 (MCS11)	-10.67	-10.86	-7.75	8.00	-15.75	Pass
2412	1	ax-SU	33/34.4 (MCS3)	-14.72	-14.66	-11.68	8.00	-19.68	Pass
2437	6	ax-SU	33/34.4 (MCS3)	-7.02	-7.57	-4.28	8.00	-12.28	Pass
2462	11	ax-SU	33/34.4 (MCS3)	-12.13	-13.07	-9.56	8.00	-17.56	Pass

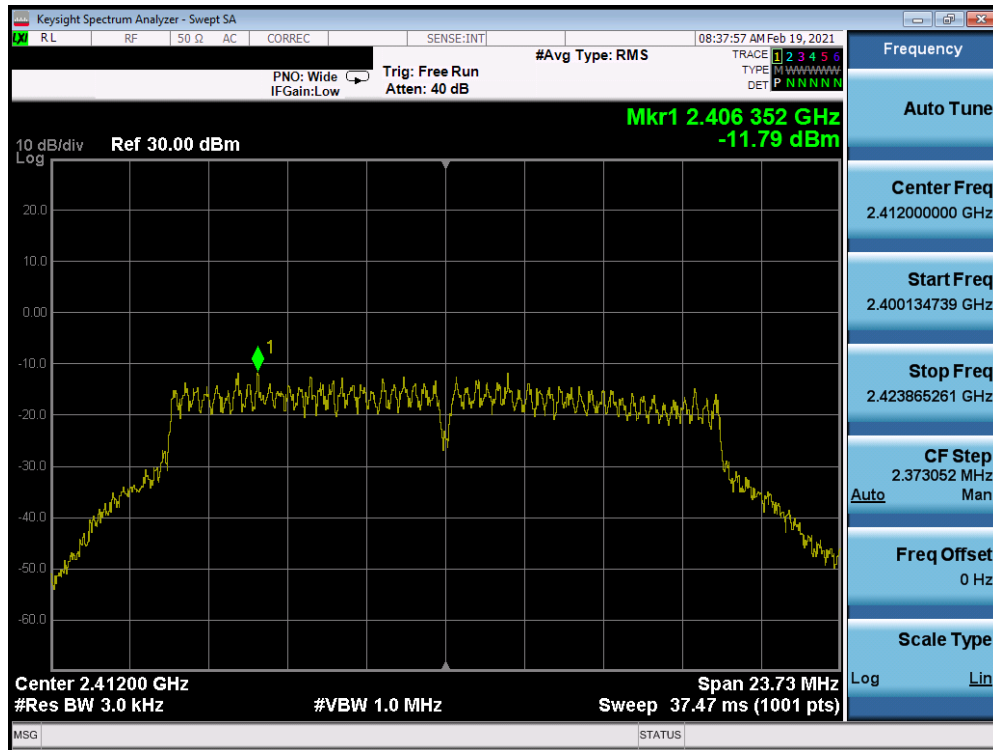
Table 7-45.CDD Conducted Power Density Measurements (Mid Data Rate)

FCC ID: BCGA2378 IC: 579C-A2378	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 102 of 390

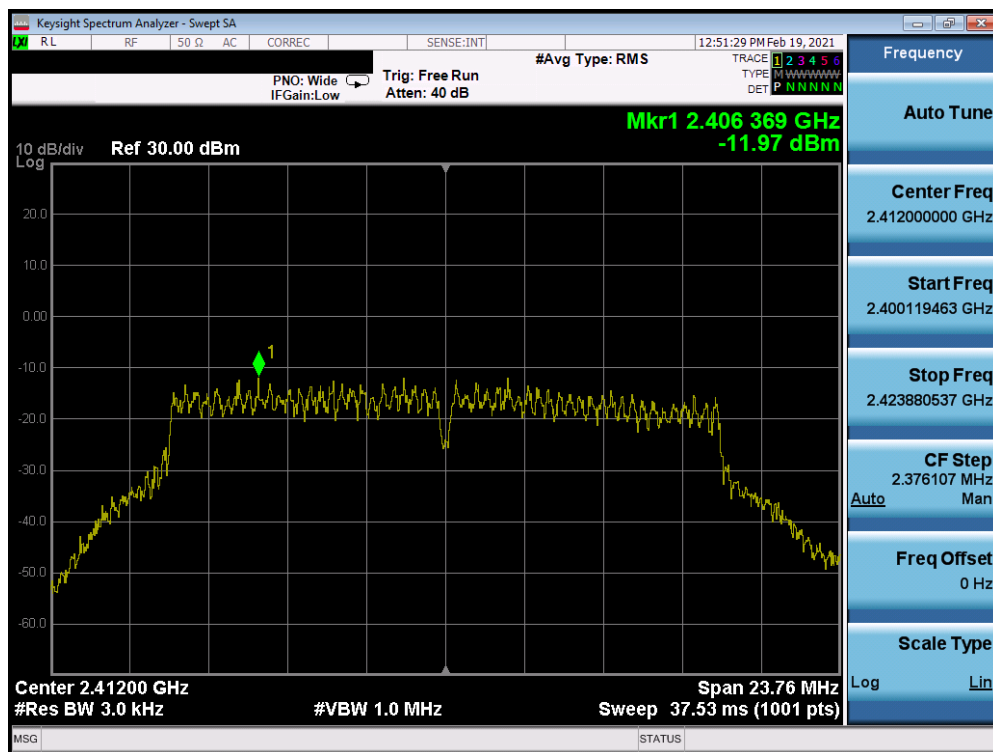
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Antenna 8 Power Spectral Density [dBm / 3kHz]	Antenna 7 Power Spectral Density [dBm / 3kHz]	Summed CDD Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	g	54	-12.65	-12.03	-9.32	8.00	-17.32	Pass
2437	6	g	54	-6.93	-7.20	-4.05	8.00	-12.05	Pass
2462	11	g	54	-12.54	-12.41	-9.46	8.00	-17.46	Pass
2412	1	n	130/144.4 (MCS15)	-11.31	-10.04	-7.62	8.00	-15.62	Pass
2437	6	n	130/144.4 (MCS15)	-5.45	-4.46	-1.92	8.00	-9.92	Pass
2462	11	n	130/144.4 (MCS15)	-11.50	-10.42	-7.92	8.00	-15.92	Pass
2412	1	ax-SU	65/68.8 (MCS5)	-14.26	-14.55	-11.39	8.00	-19.39	Pass
2437	6	ax-SU	65/68.8 (MCS5)	-7.90	-8.54	-5.20	8.00	-13.20	Pass
2462	11	ax-SU	65/68.8 (MCS5)	-13.64	-12.81	-10.19	8.00	-18.19	Pass

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

FCC ID: BCGA2378 IC: 579C-A2378	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device
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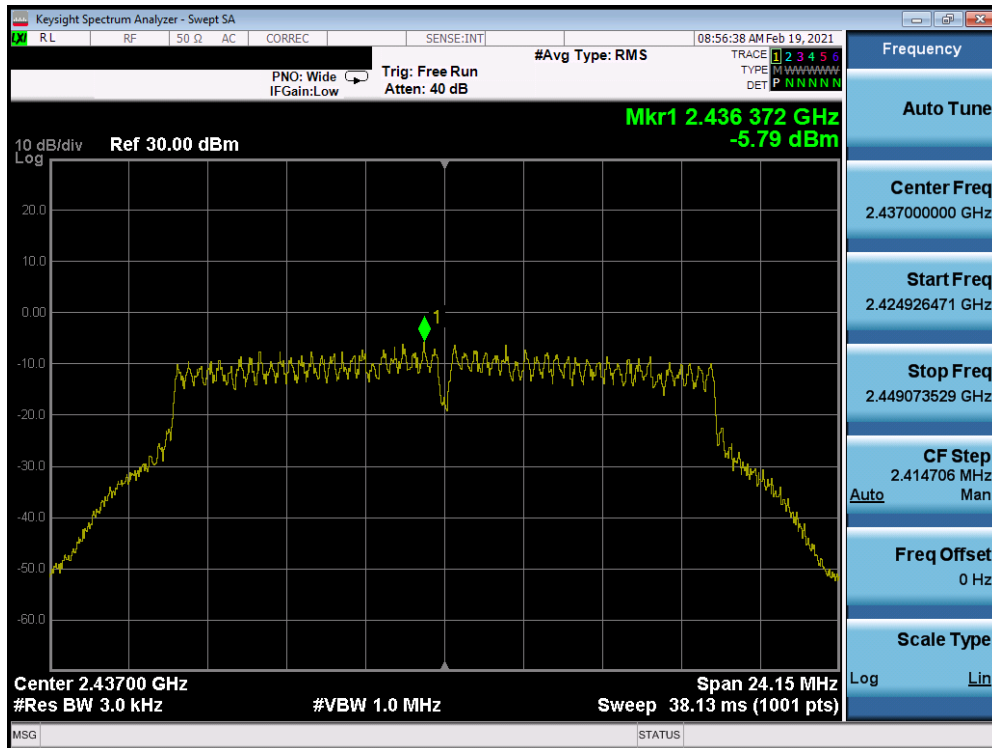


Plot 7-121. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 1) – 6Mbps

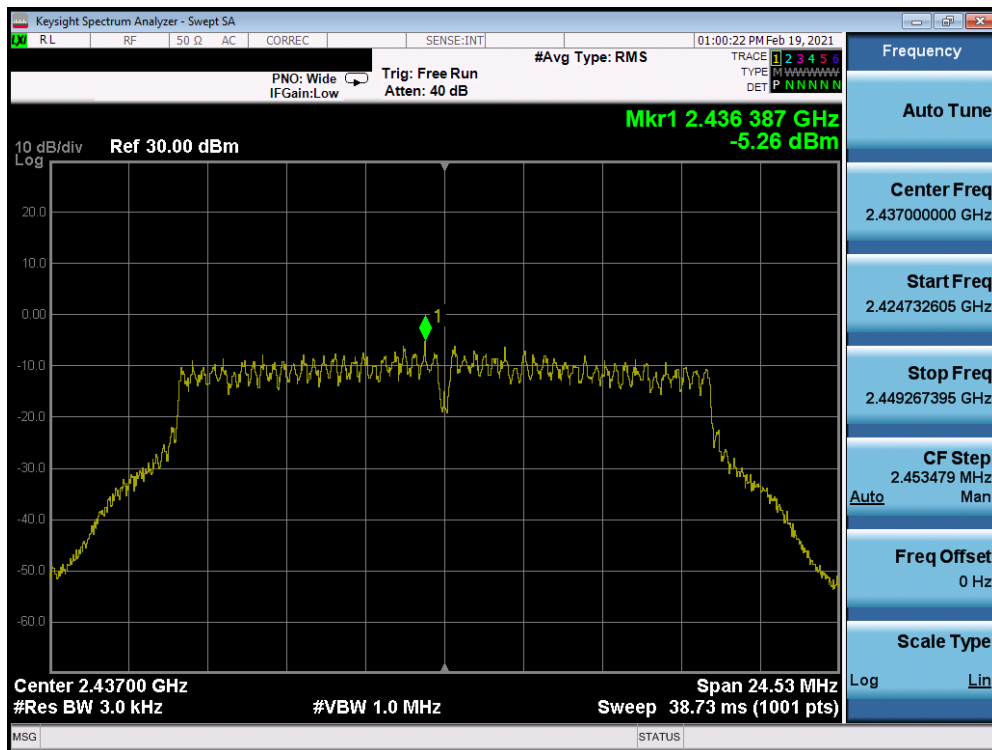


Plot 7-122. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 1) – 6Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 104 of 390

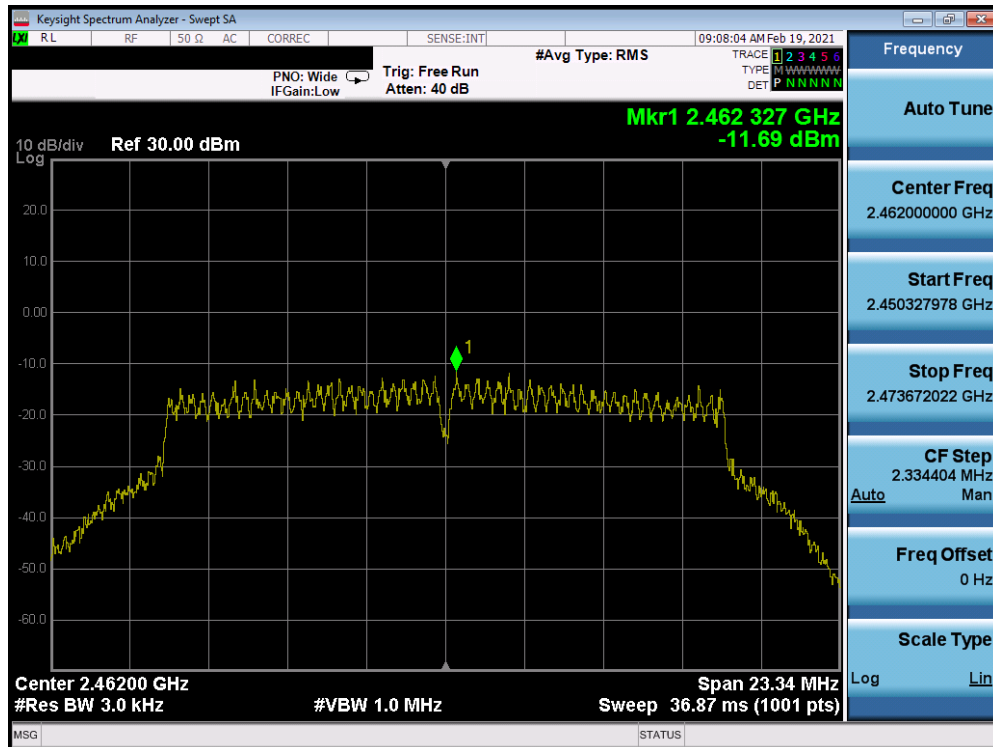


Plot 7-123. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 6) – 6Mbps

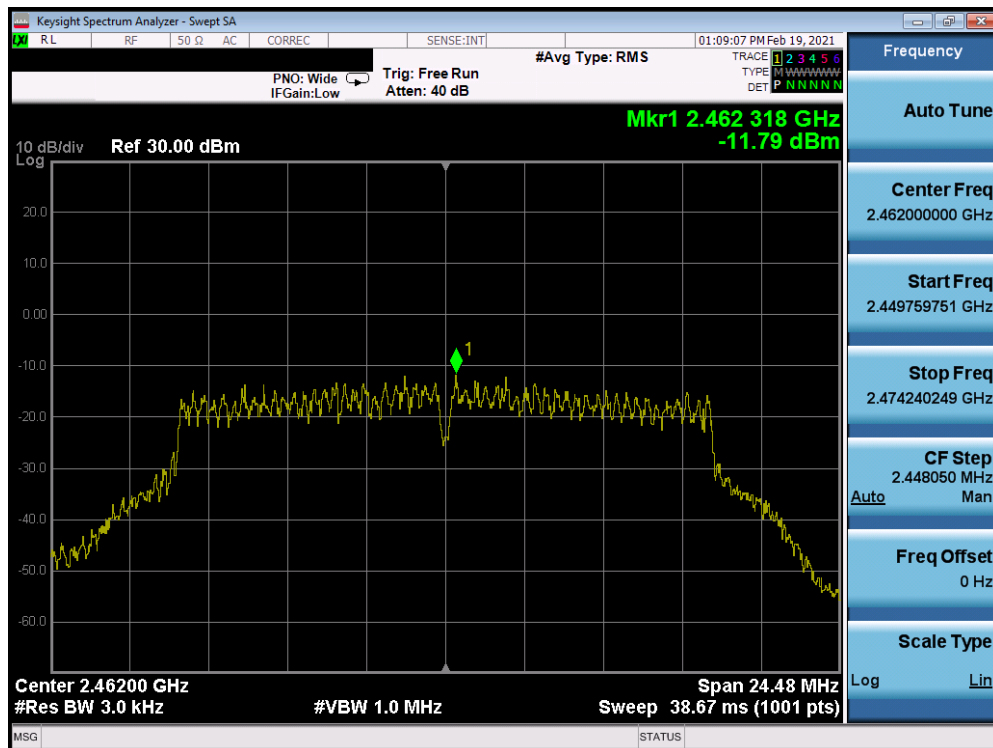


Plot 7-124. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 6) – 6Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 105 of 390

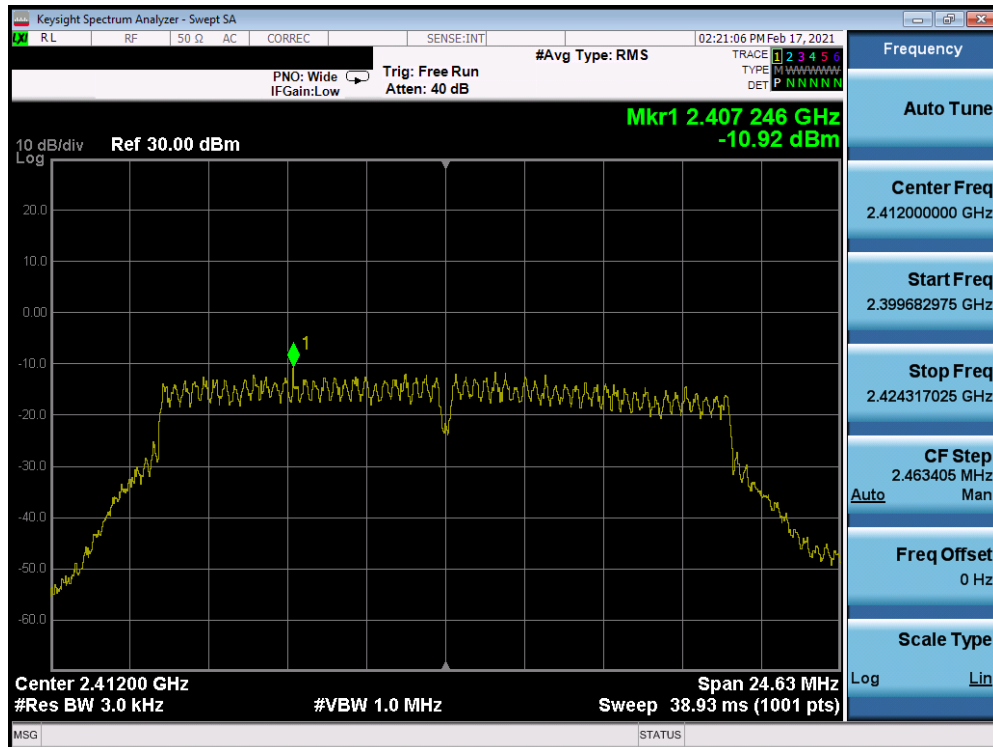


Plot 7-125. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 11) – 6Mbps

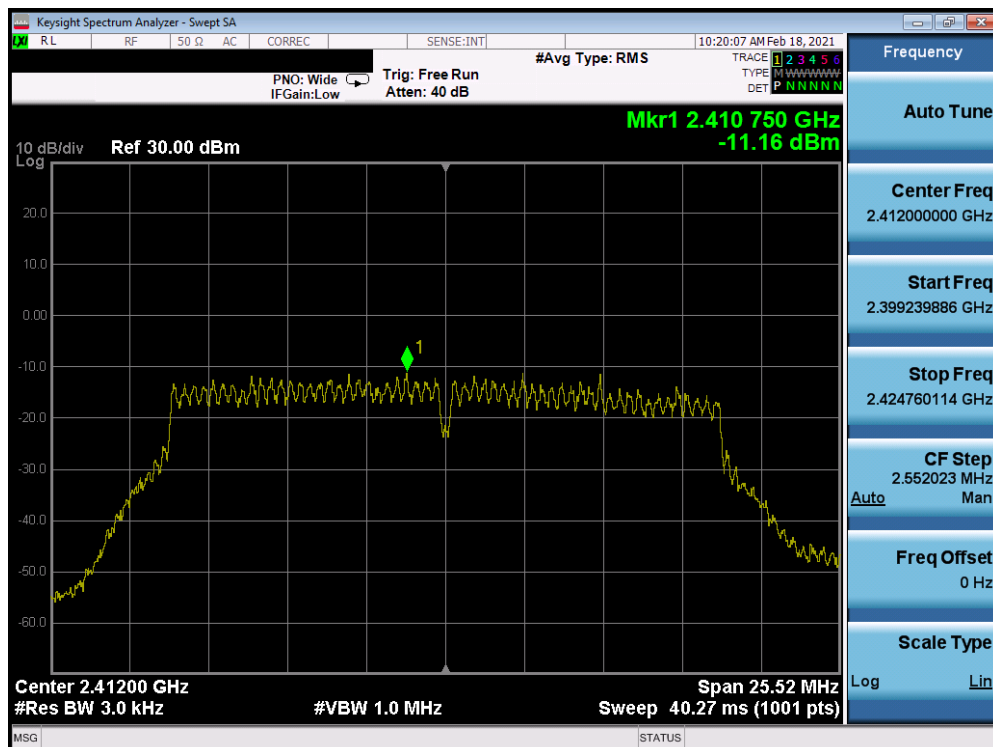


Plot 7-126. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 11) – 6Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 106 of 390

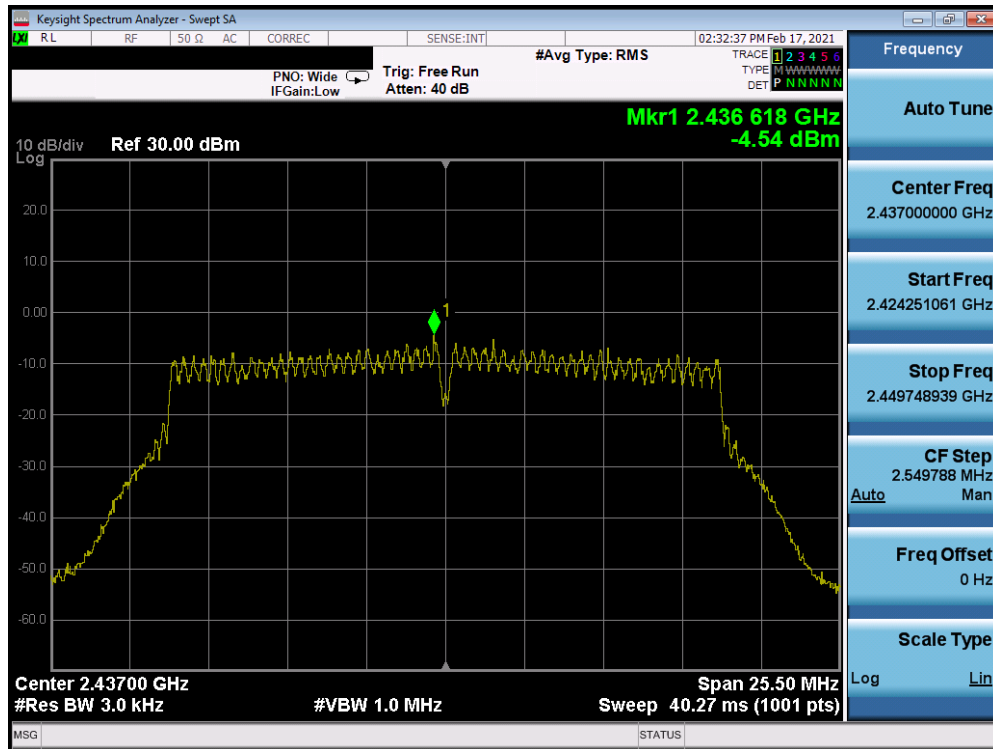


Plot 7-127. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 1) – MCS8

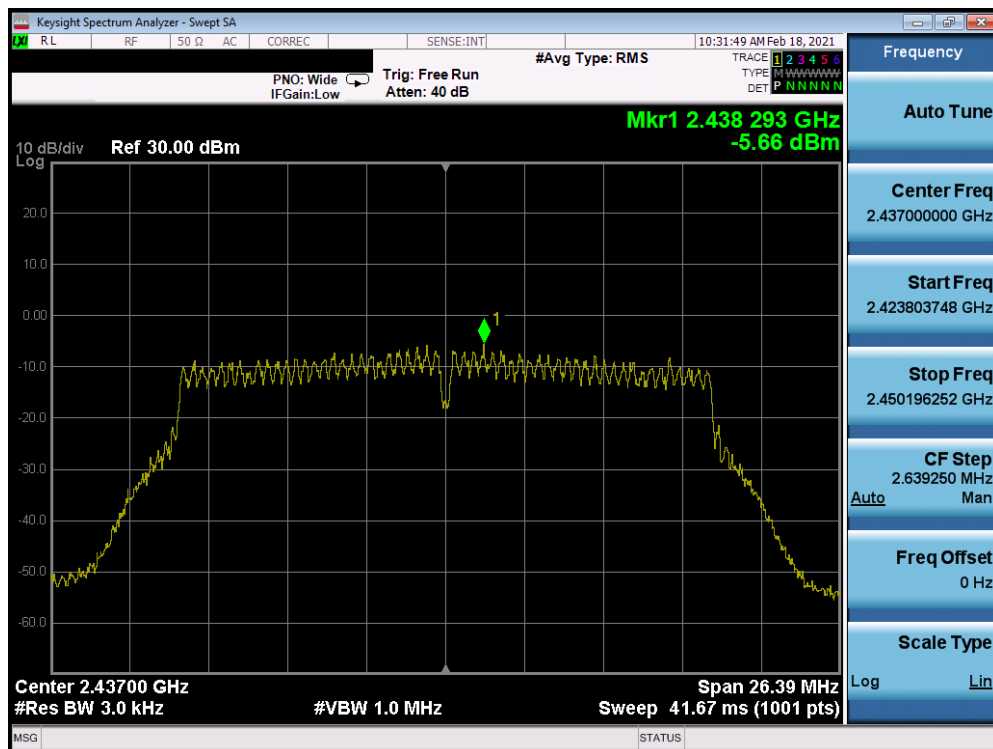


Plot 7-128. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 1) – MCS8

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 107 of 390

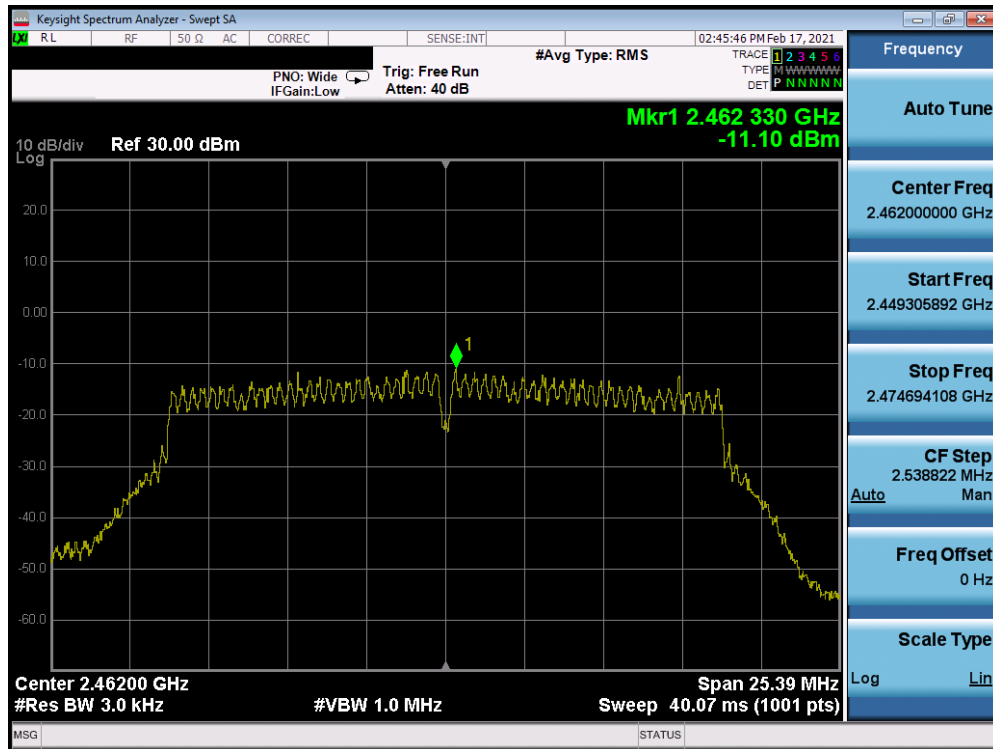


Plot 7-129. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 6) – MCS8

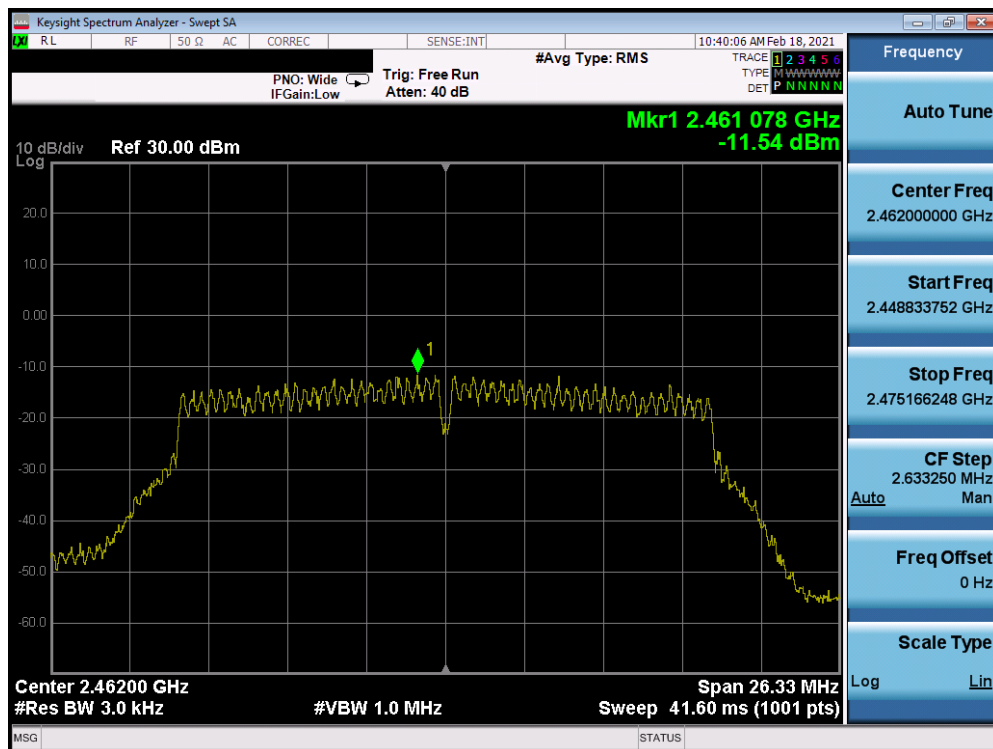


Plot 7-130. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 6) – MCS8

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 108 of 390

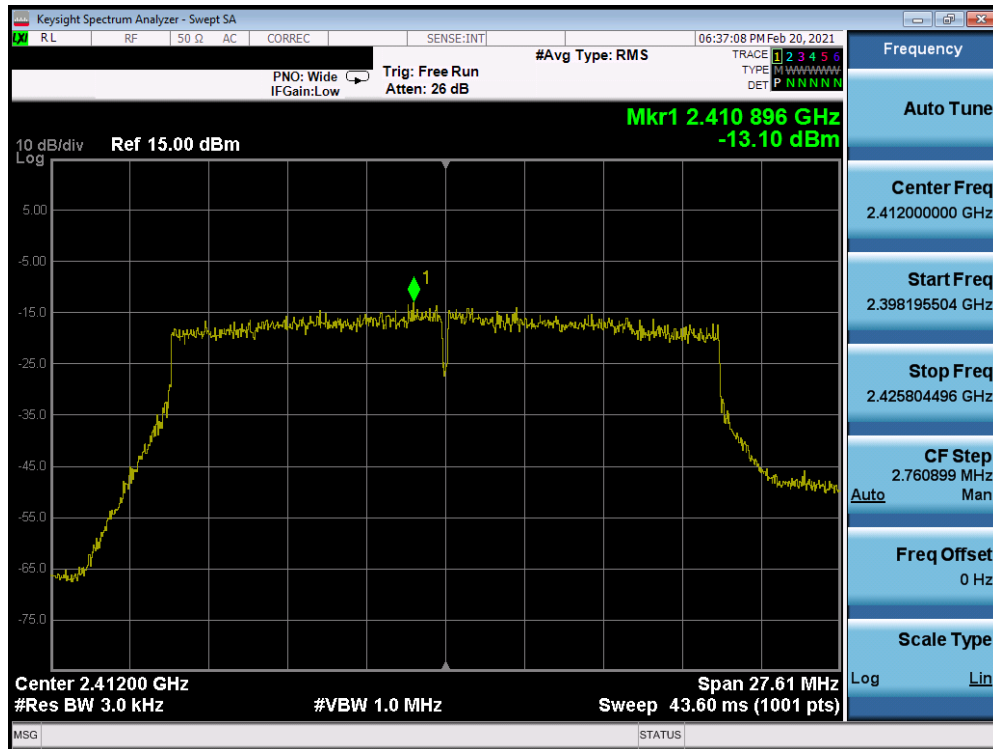


Plot 7-131. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 11) – MCS8

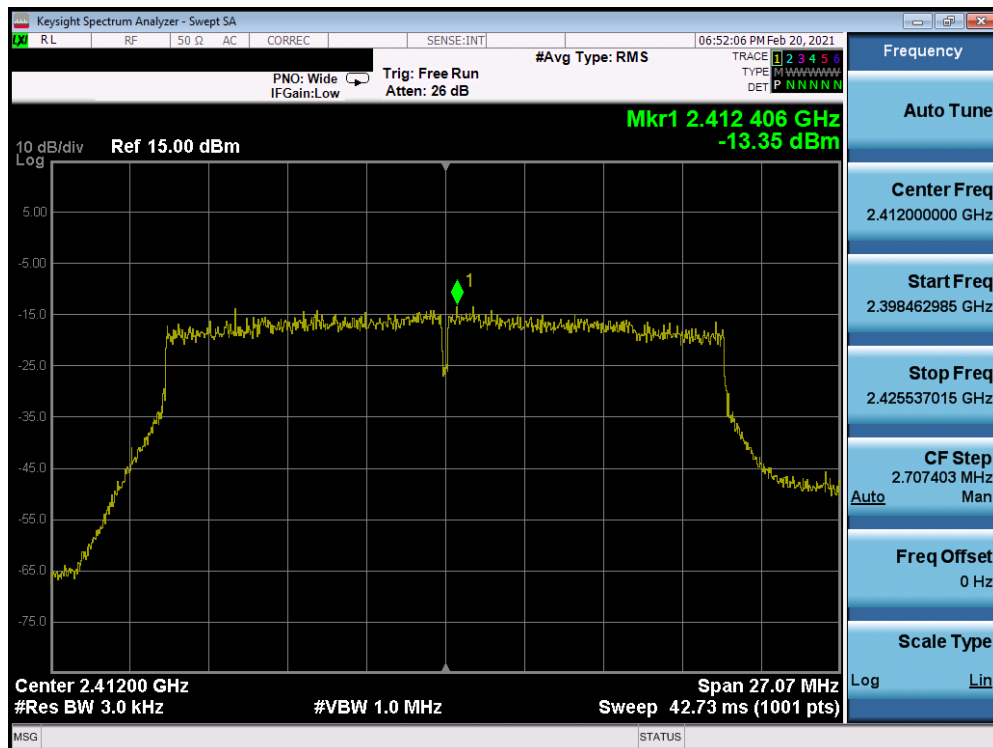


Plot 7-132. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 11) – MCS8

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 109 of 390

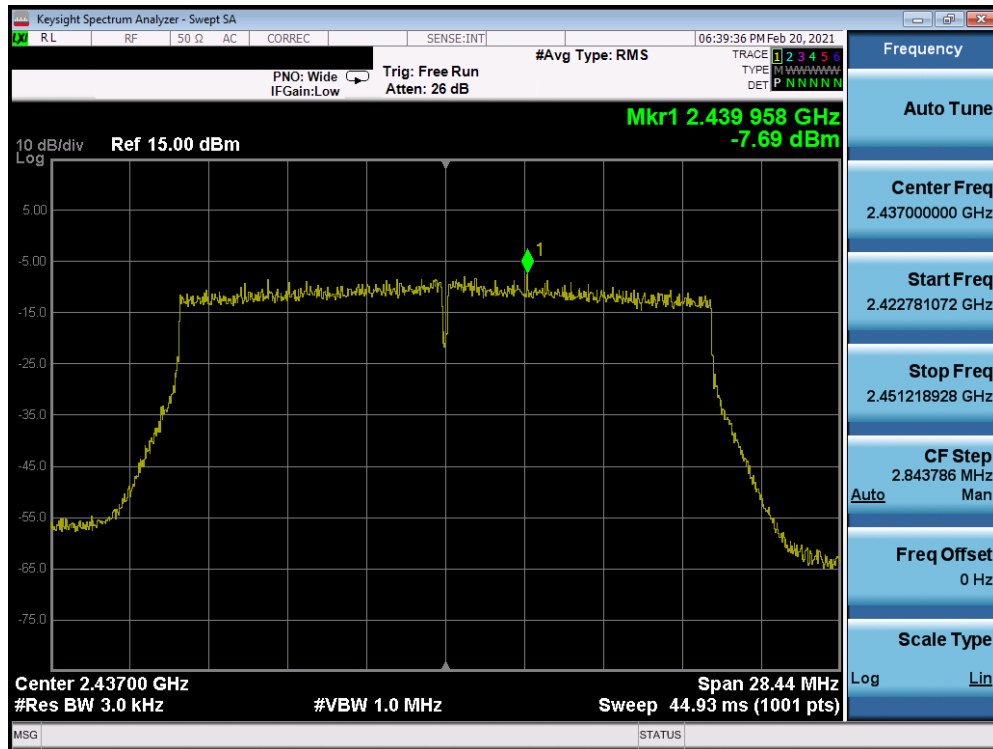


Plot 7-133. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS0

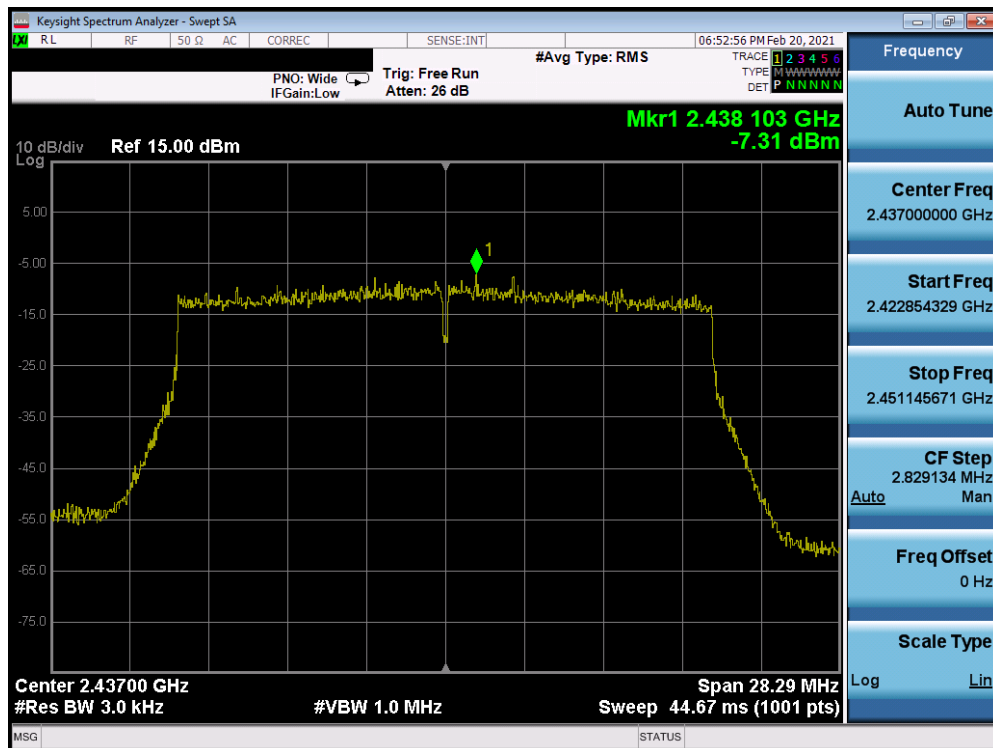


Plot 7-134. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS0

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 110 of 390



Plot 7-135. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS0

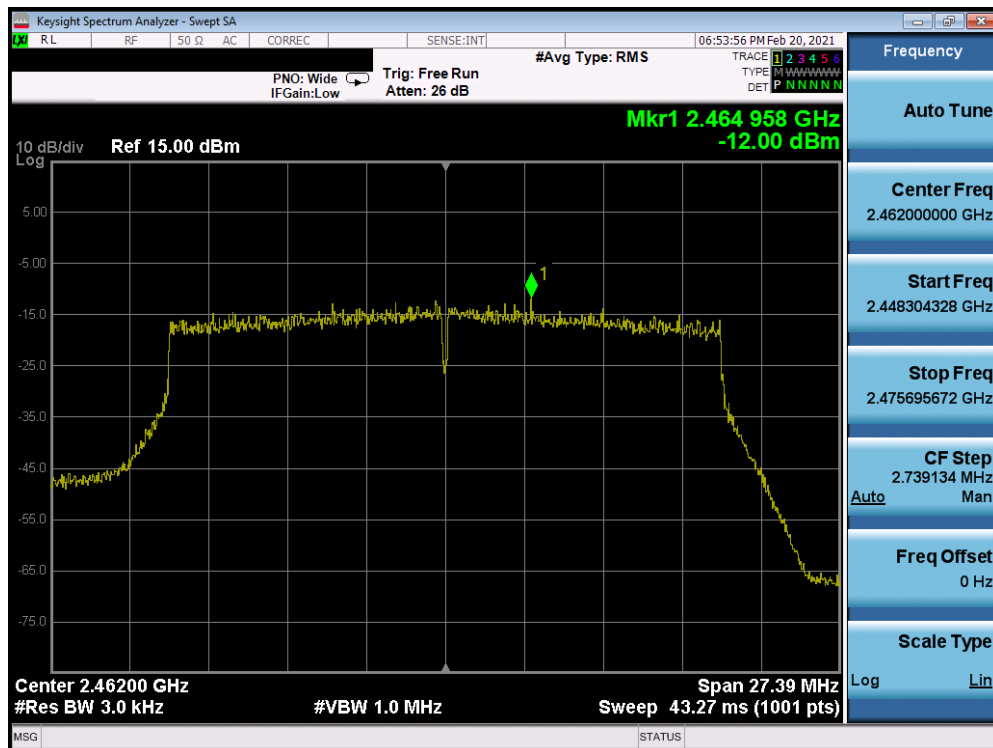


Plot 7-136. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS0

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 111 of 390

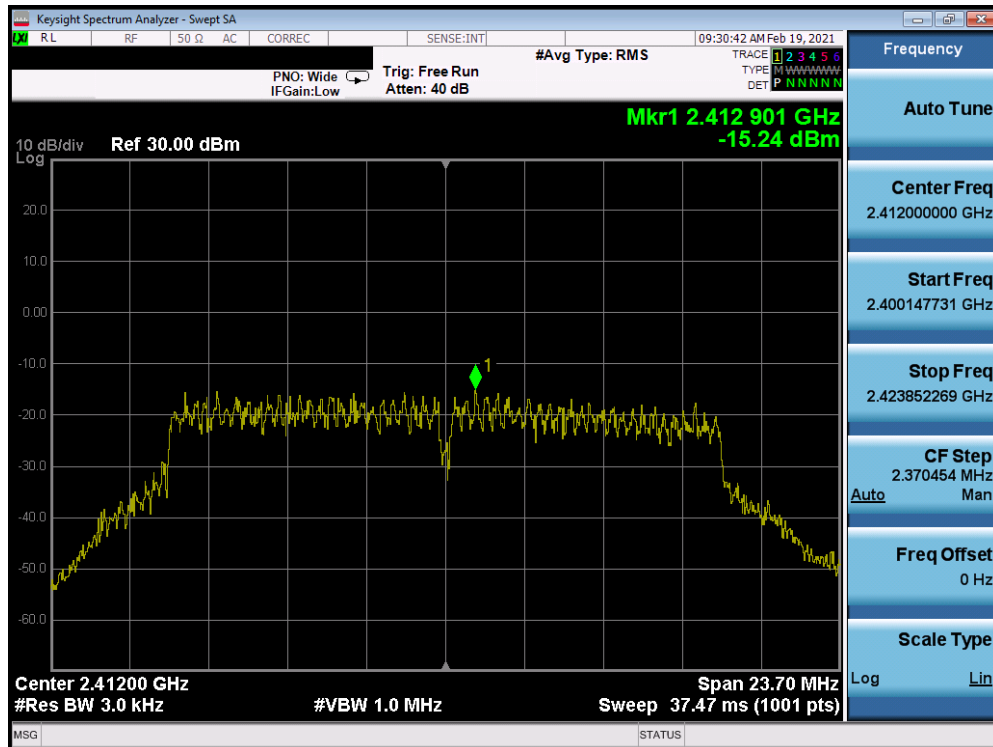


Plot 7-137. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS0

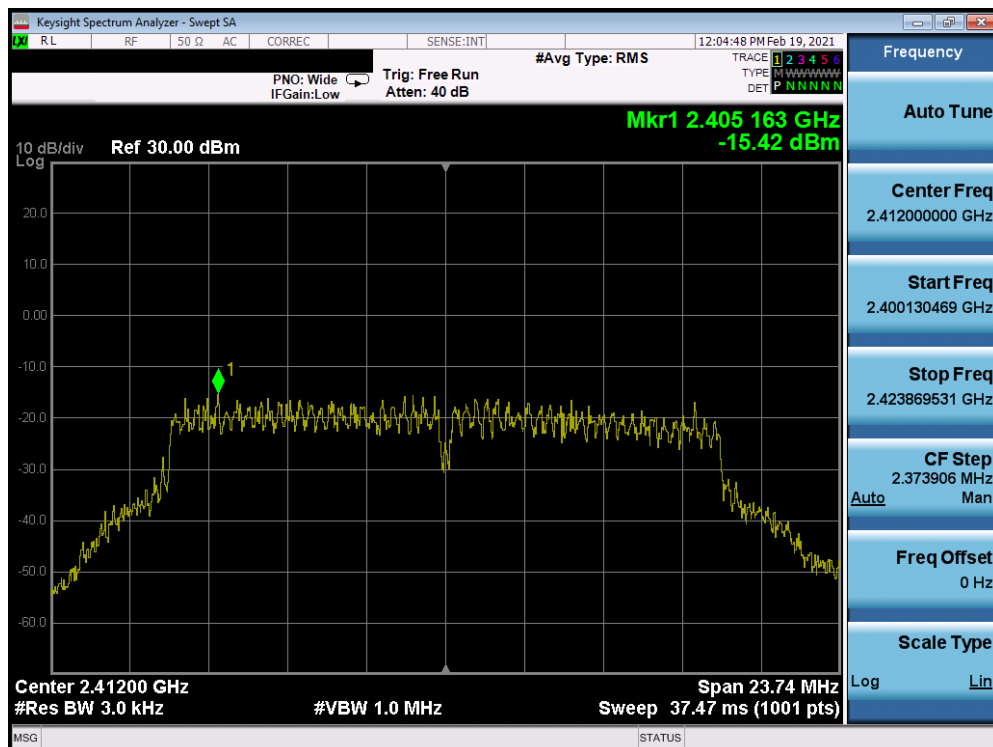


Plot 7-138. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS0

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 112 of 390

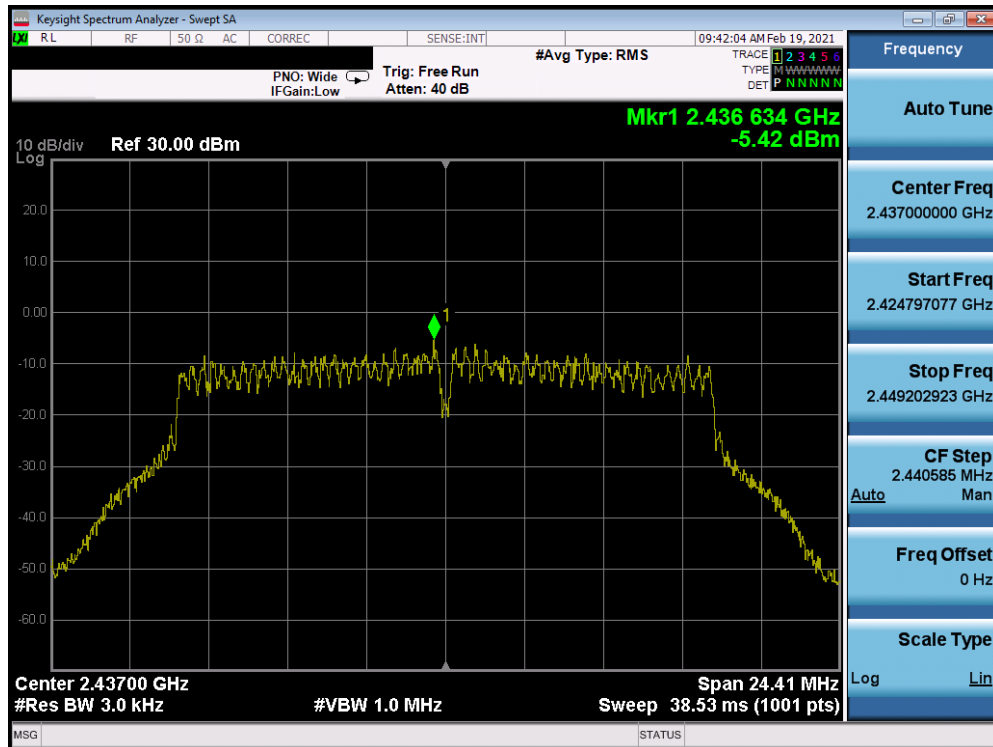


Plot 7-139. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 1) – 18Mbps

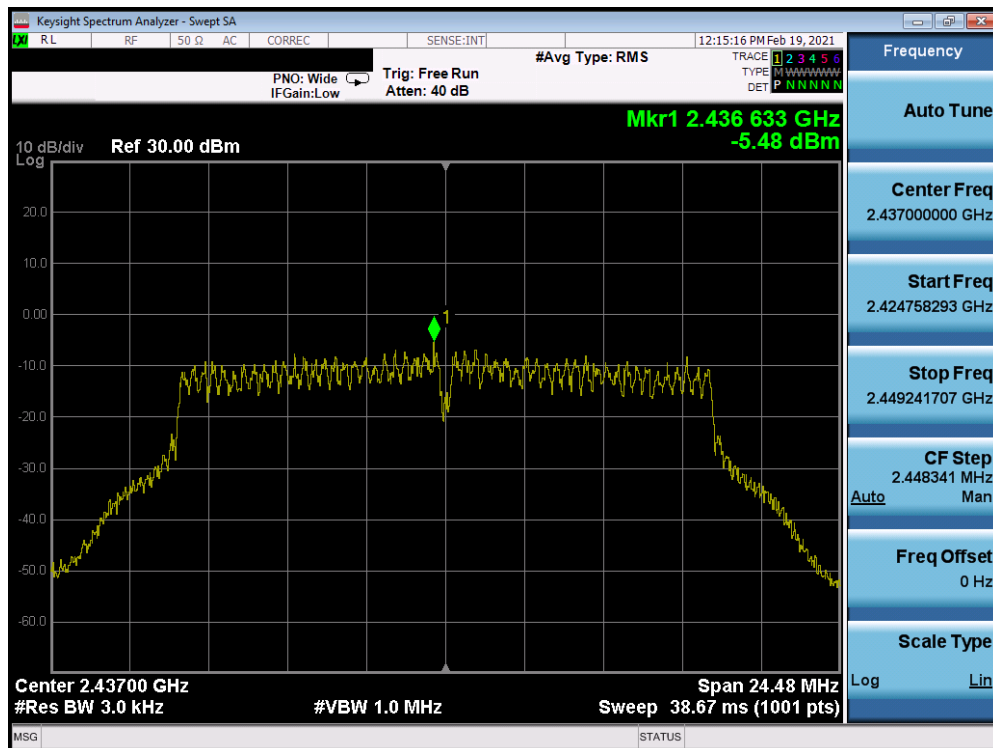


Plot 7-140. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 1) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 113 of 390

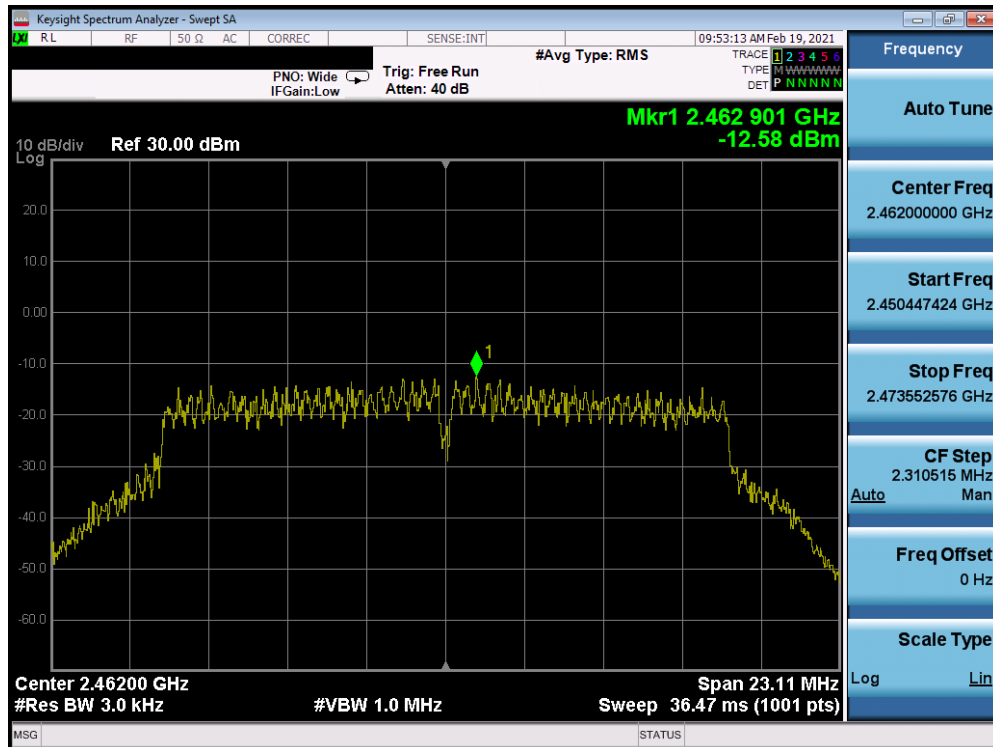


Plot 7-141. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 6) – 18Mbps

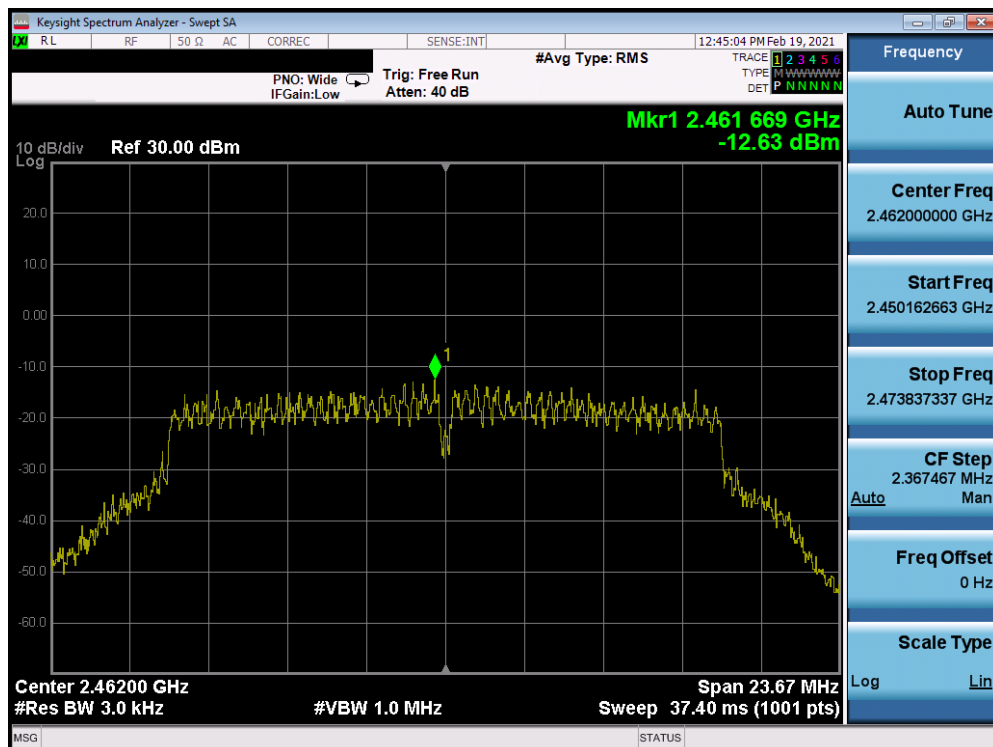


Plot 7-142. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 6) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 114 of 390

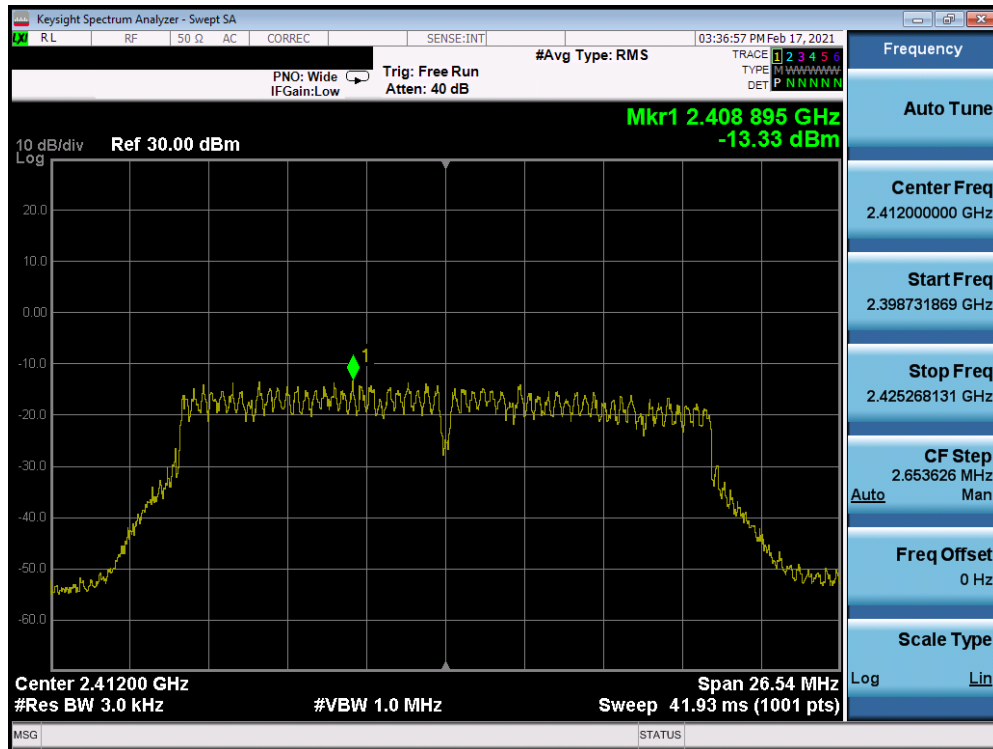


Plot 7-143. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 11) – 18Mbps

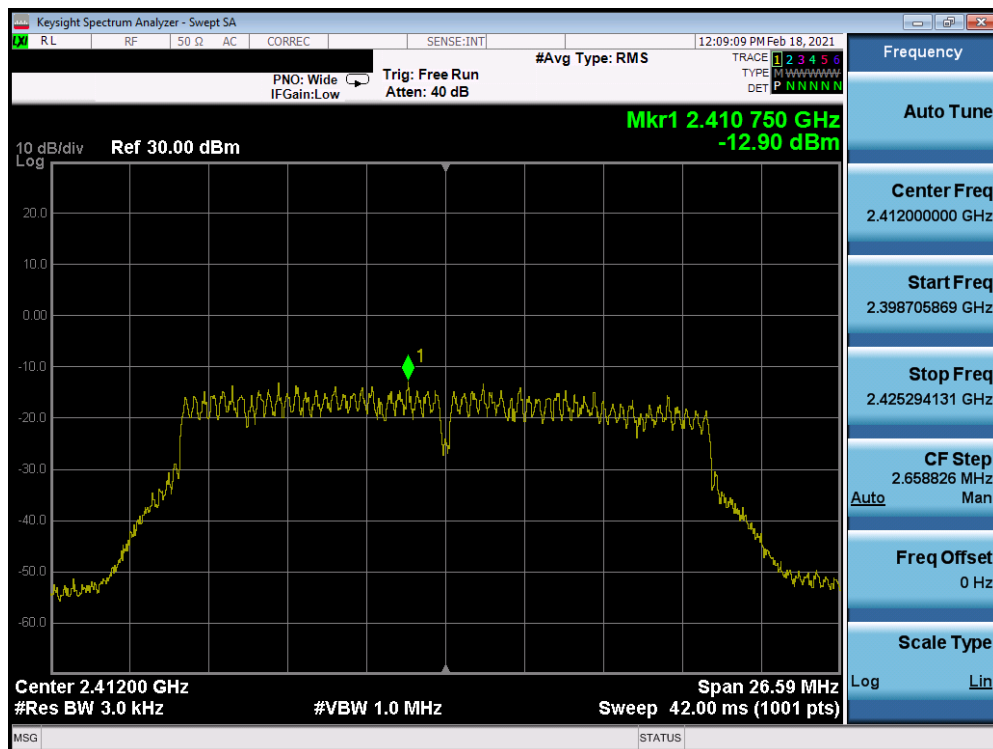


Plot 7-144. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 11) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 115 of 390

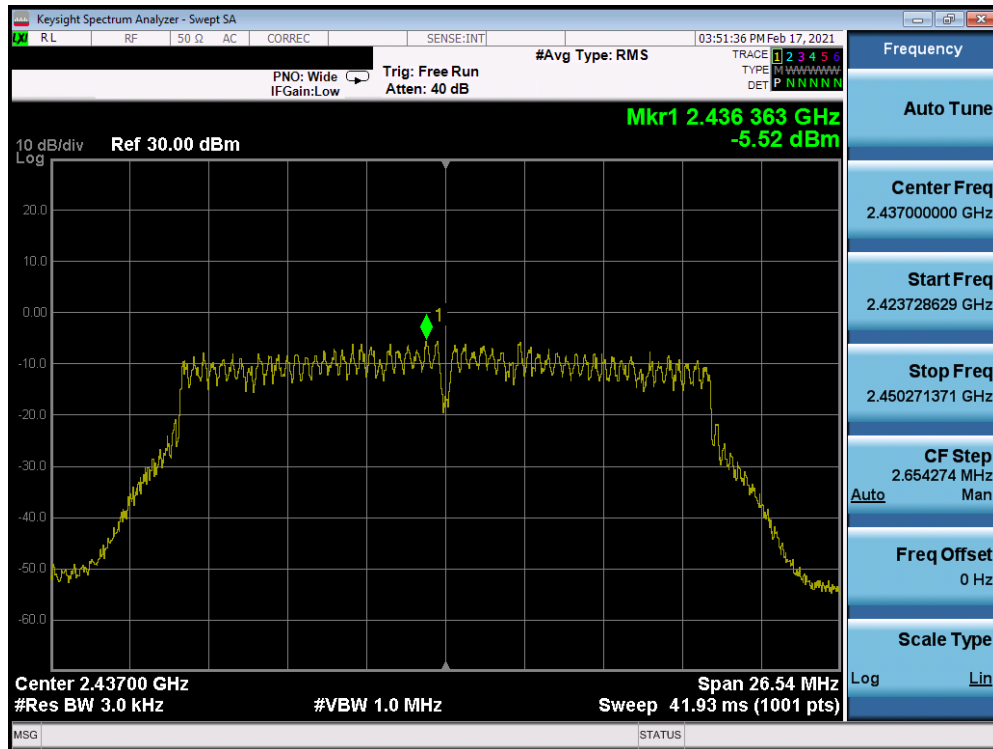


Plot 7-145. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 1) – MCS11

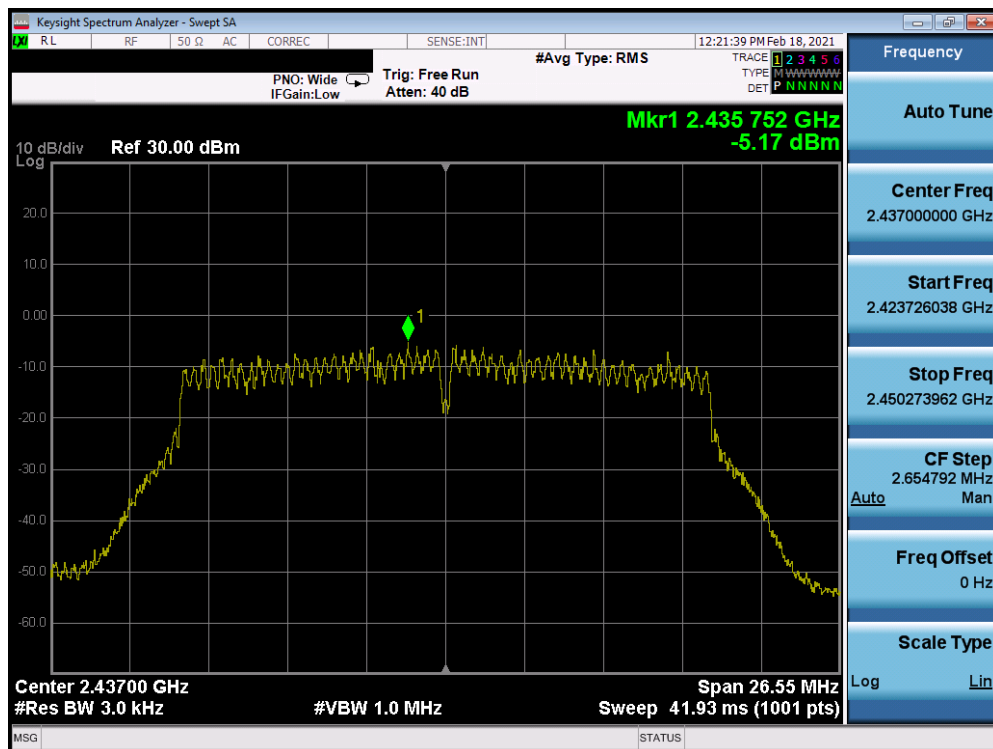


Plot 7-146. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 1) – MCS11

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 116 of 390

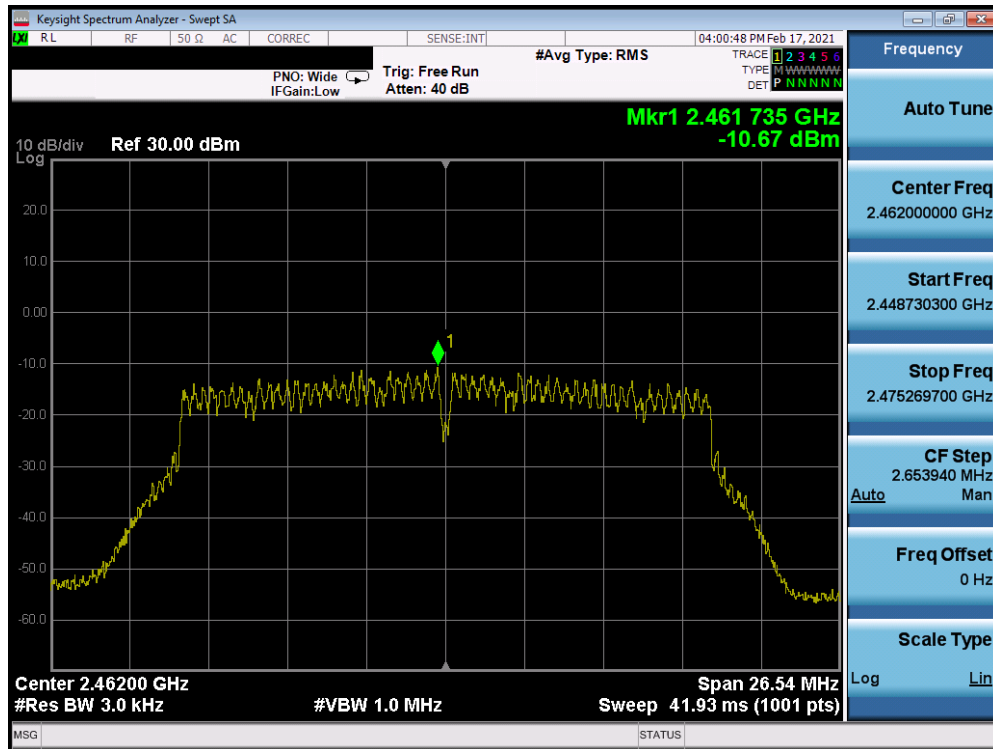


Plot 7-147. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 6) – MCS11

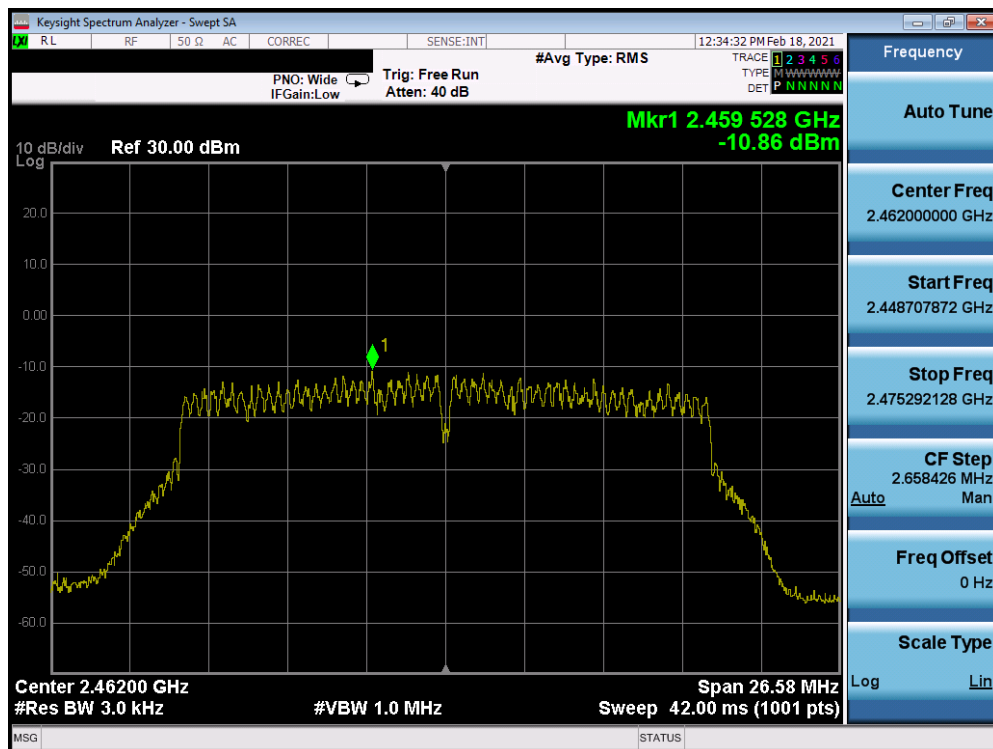


Plot 7-148. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 6) – MCS11

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 117 of 390

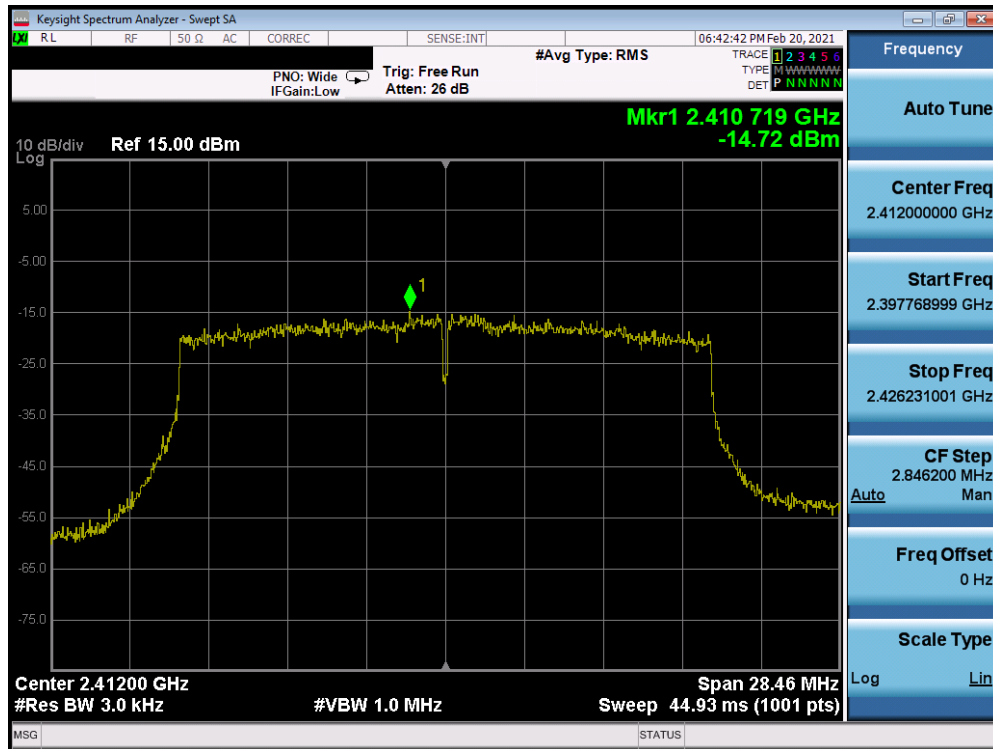


Plot 7-149. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 11) – MCS11

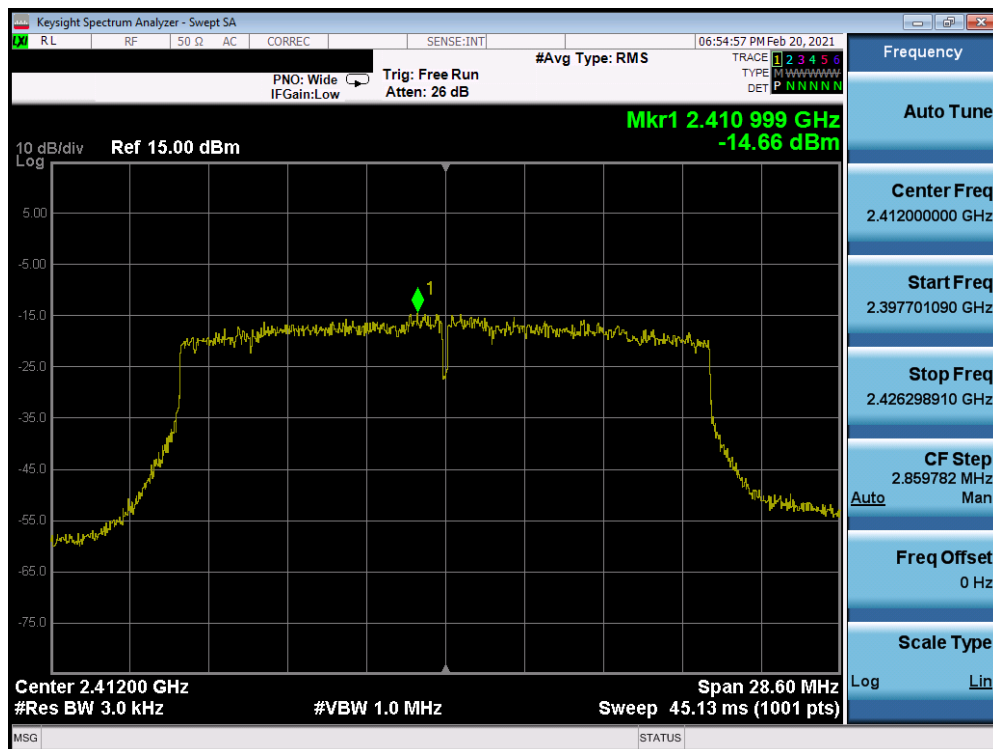


Plot 7-150. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 11) – MCS11

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 118 of 390

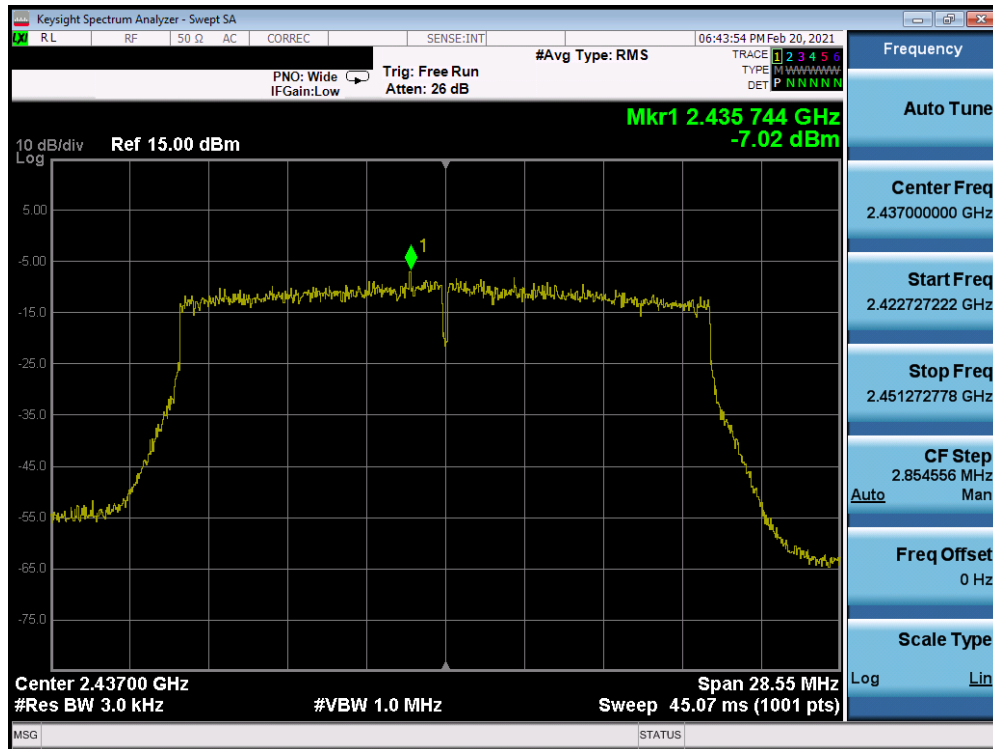


Plot 7-151. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU - 2.4GHz) - Ch. 1) - MCS3

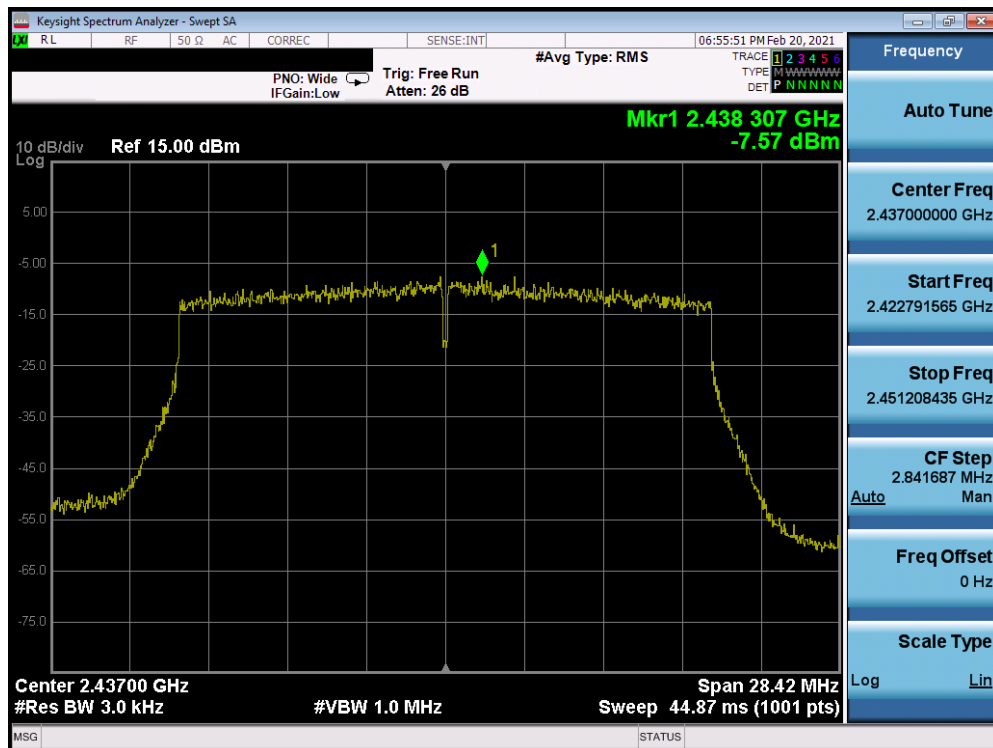


Plot 7-152. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU - 2.4GHz) - Ch. 1) - MCS3

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 119 of 390

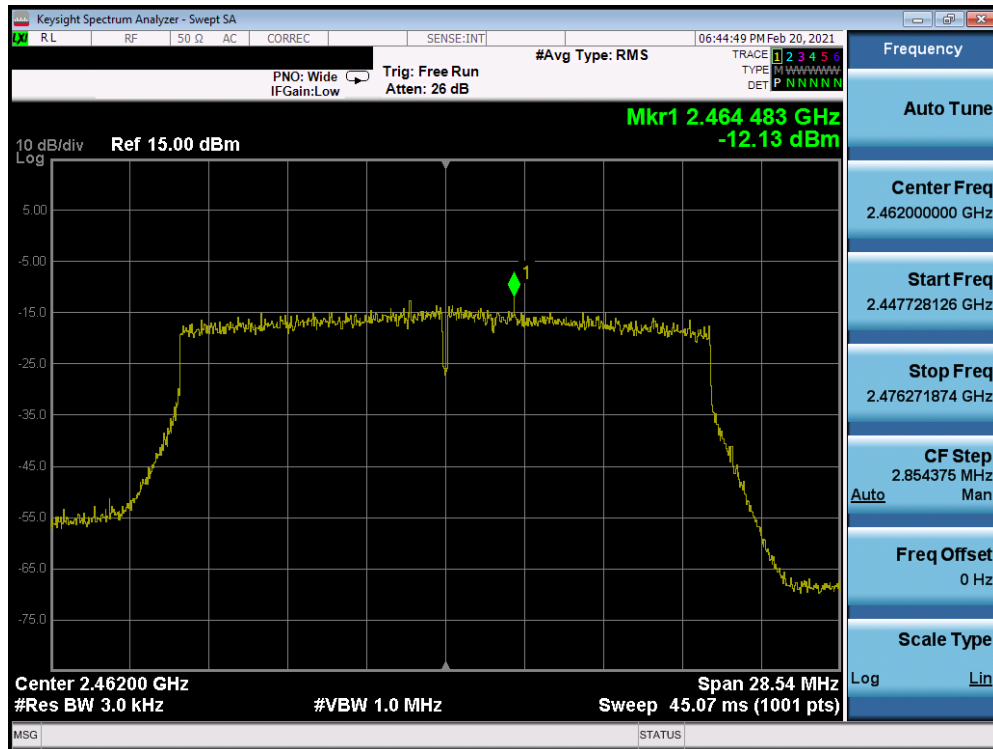


Plot 7-153. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS3

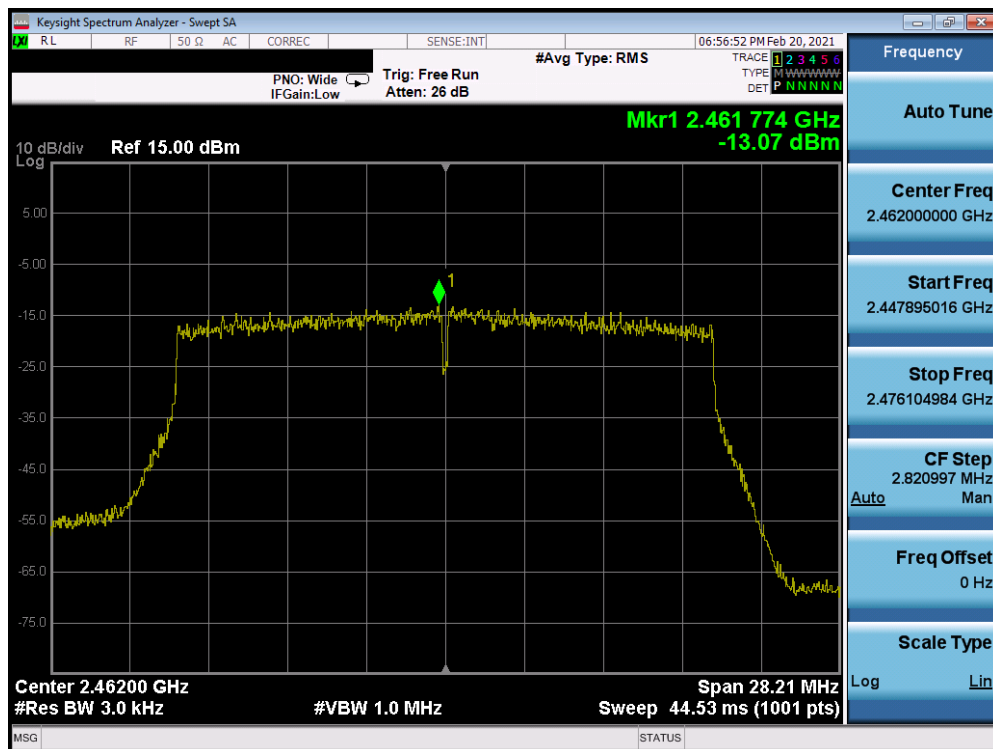


Plot 7-154. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS3

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 120 of 390

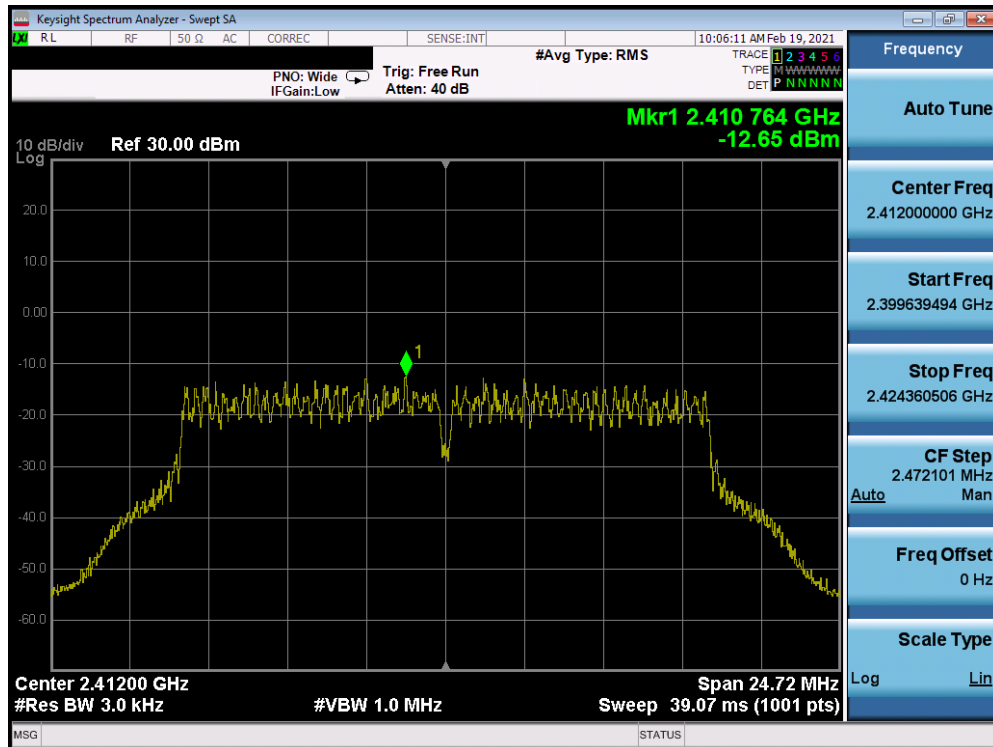


Plot 7-155. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS3

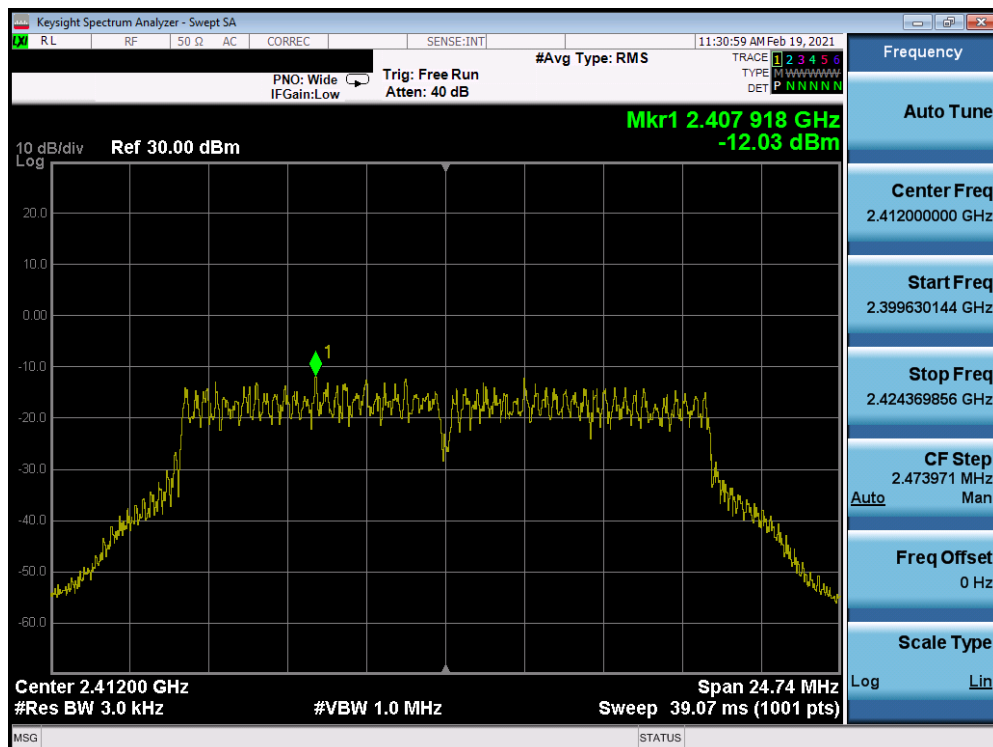


Plot 7-156. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 121 of 390

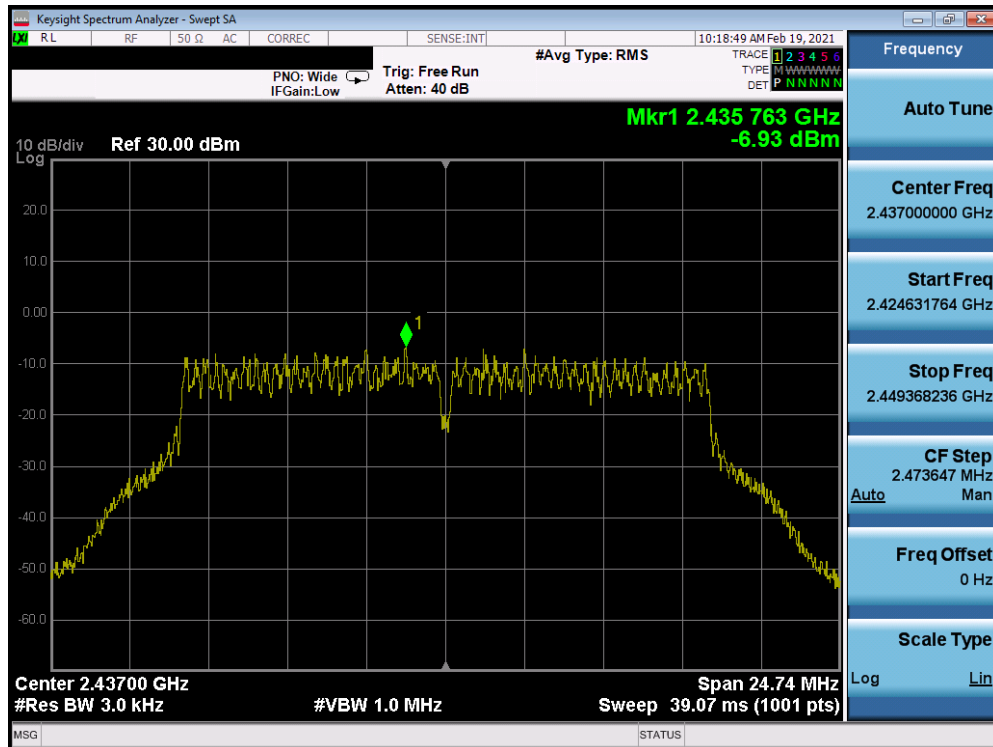


Plot 7-157. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 1) – 54Mbps

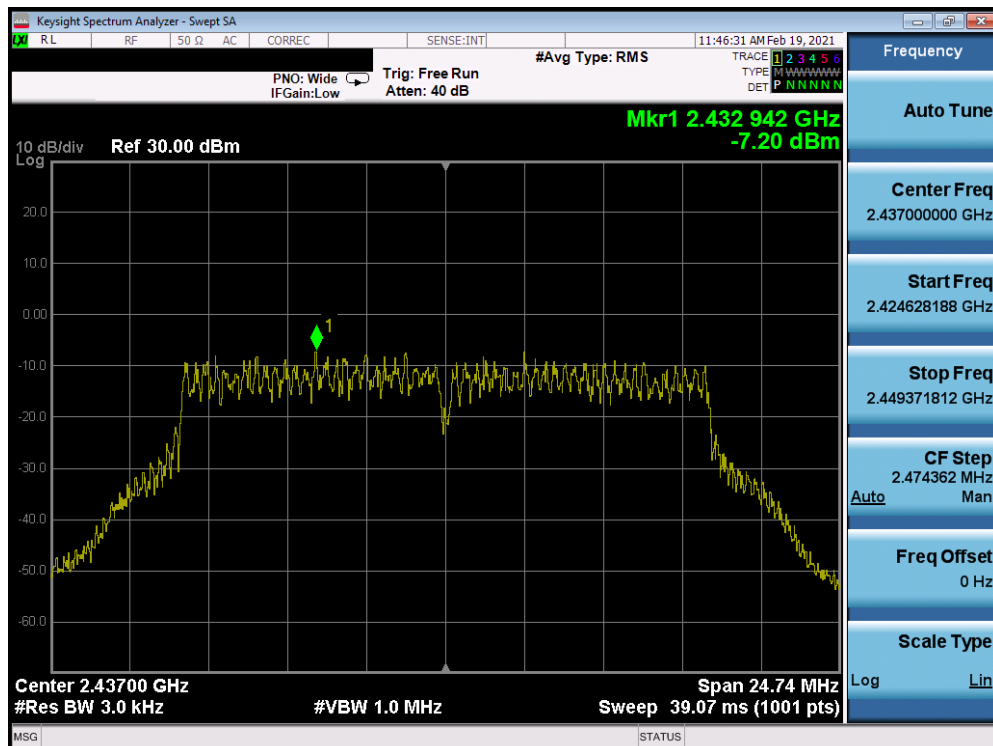


Plot 7-158. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 1) – 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 122 of 390

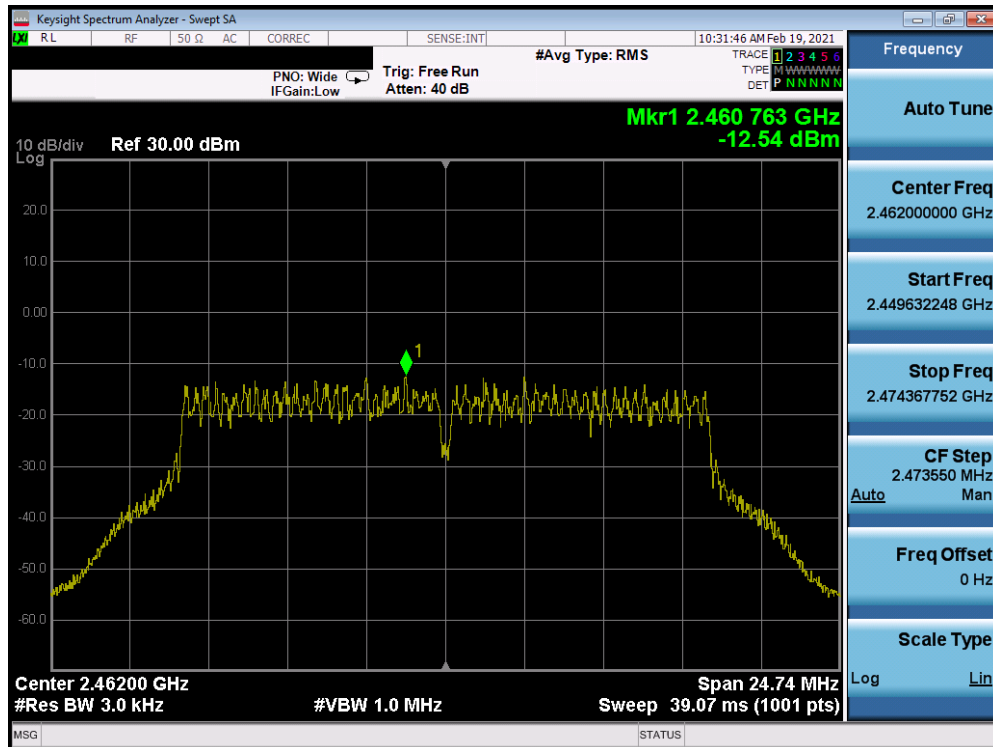


Plot 7-159. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 6) – 54Mbps

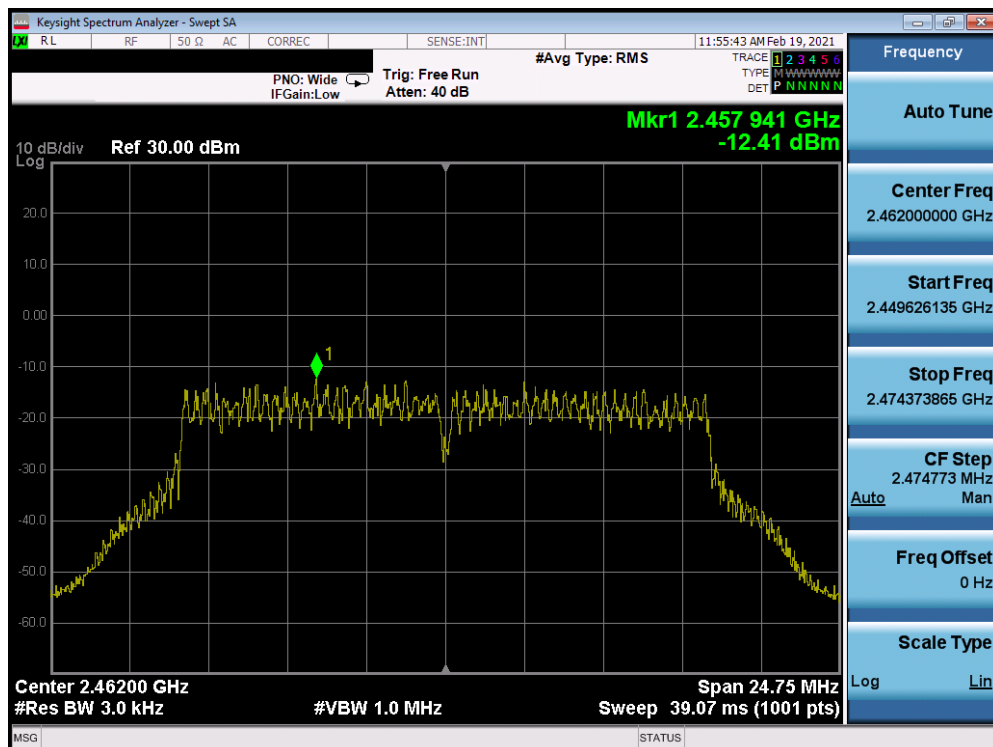


Plot 7-160. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 6) – 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 123 of 390

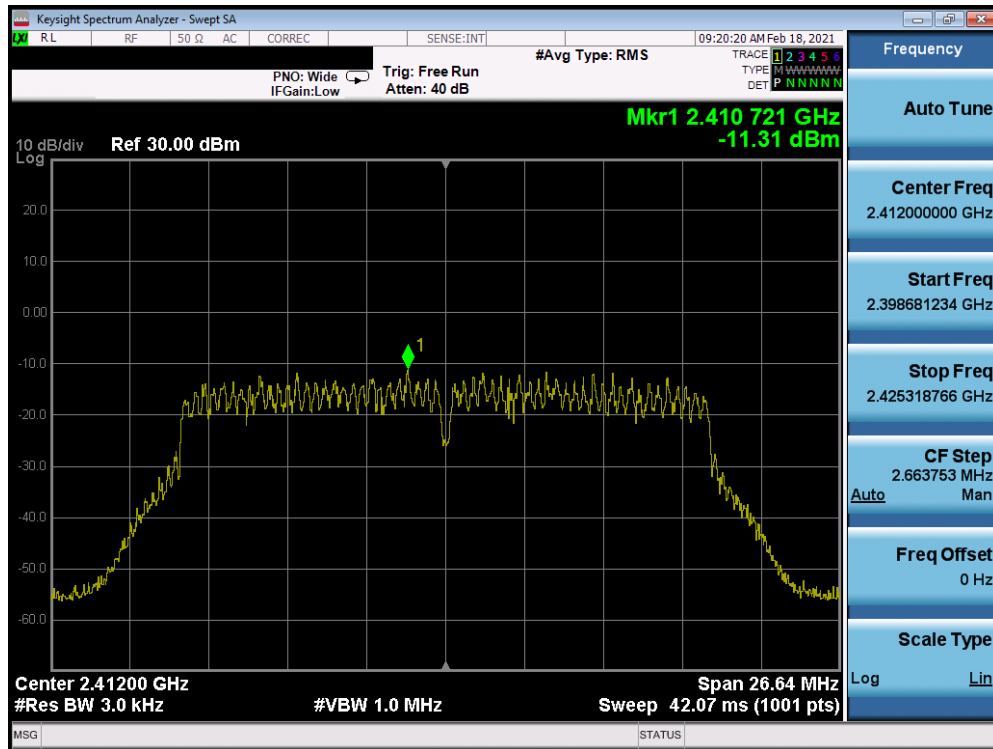


Plot 7-161. Power Spectral Density Plot CDD Antenna 8 (802.11g – Ch. 11) – 54Mbps

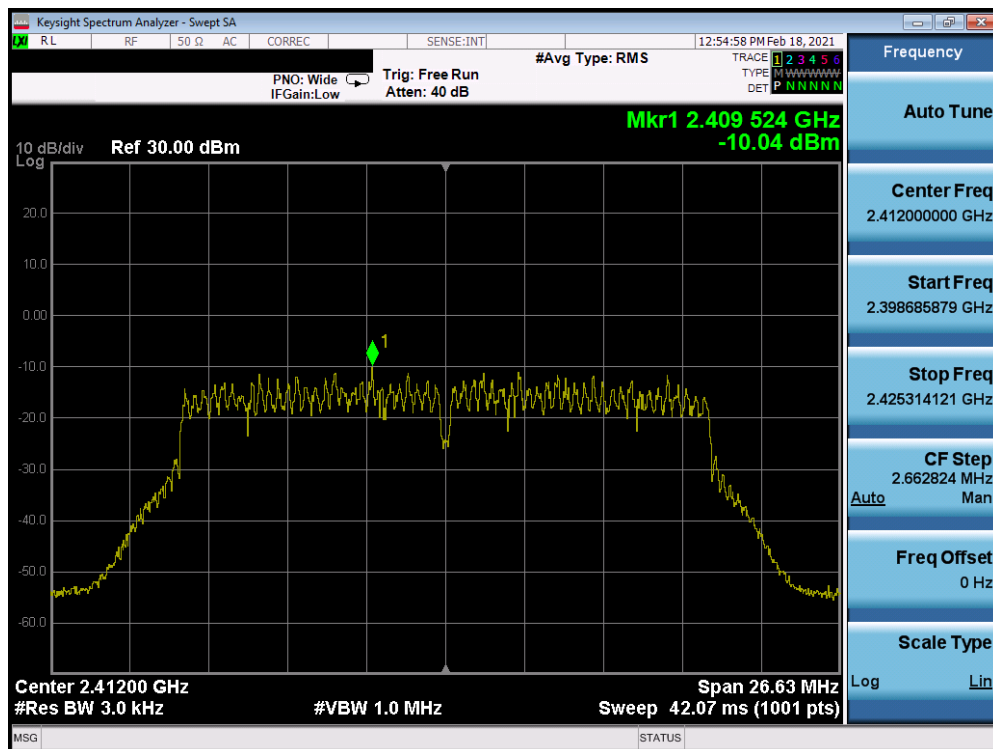


Plot 7-162. Power Spectral Density Plot CDD Antenna 7 (802.11g – Ch. 11) – 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 124 of 390

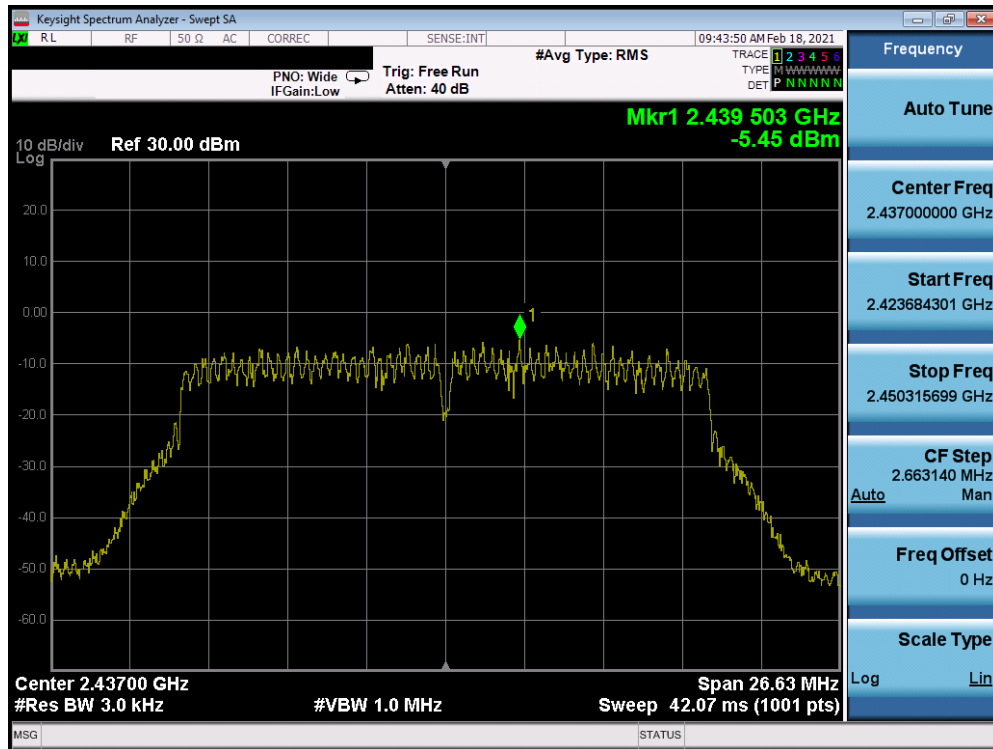


Plot 7-163. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 1) – MCS15

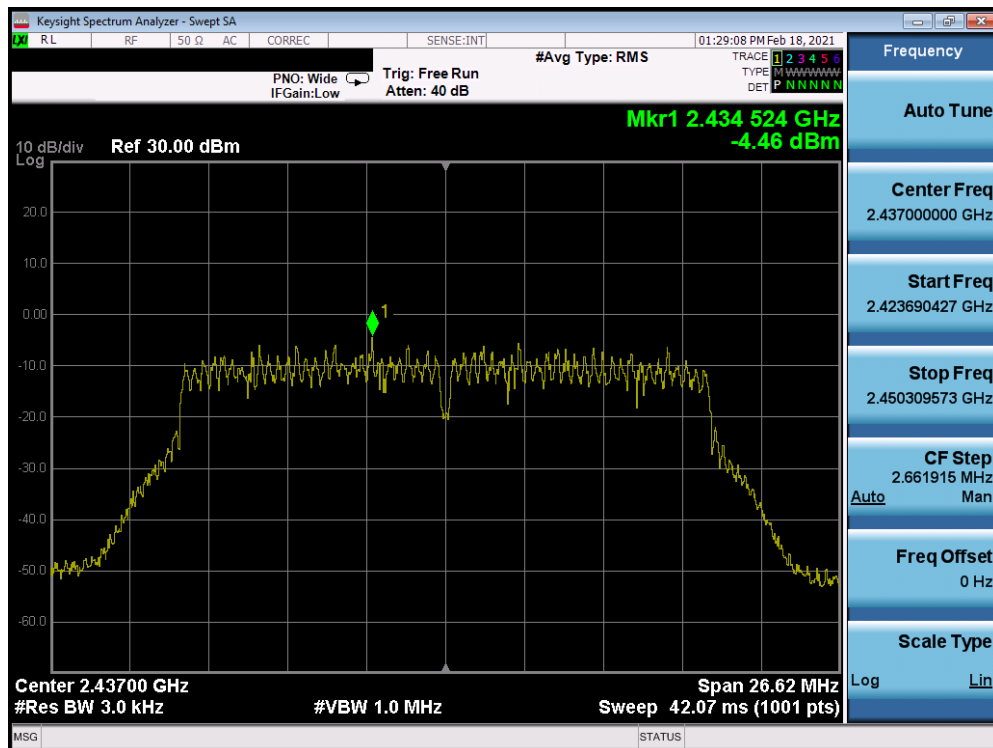


Plot 7-164. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 1) – MCS15

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 125 of 390

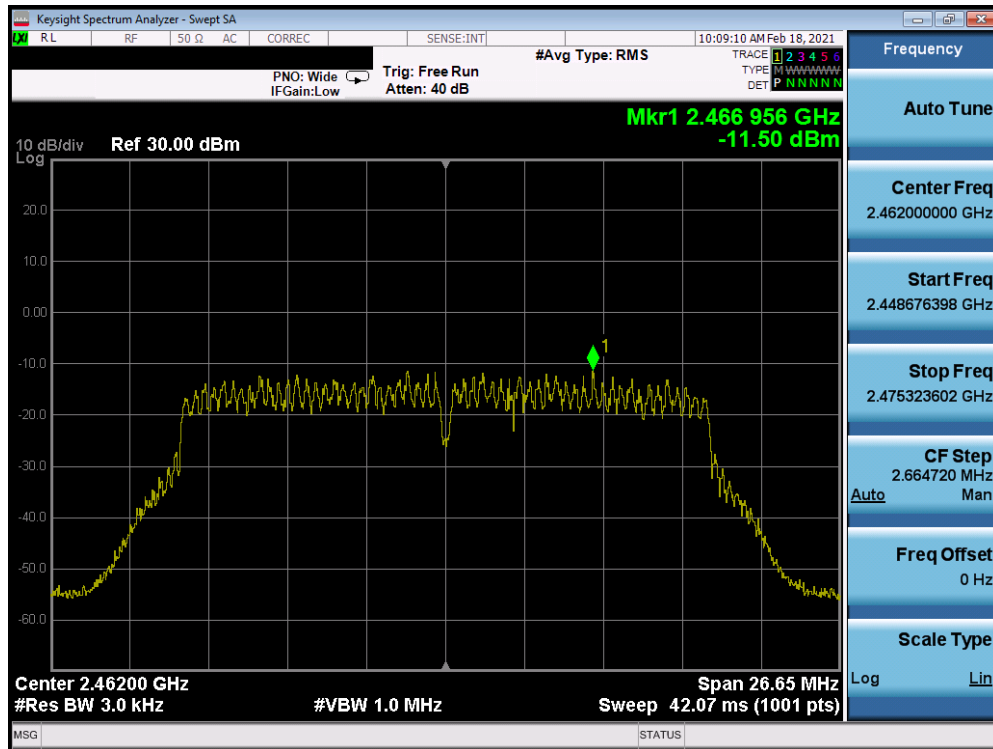


Plot 7-165. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 6) – MCS15

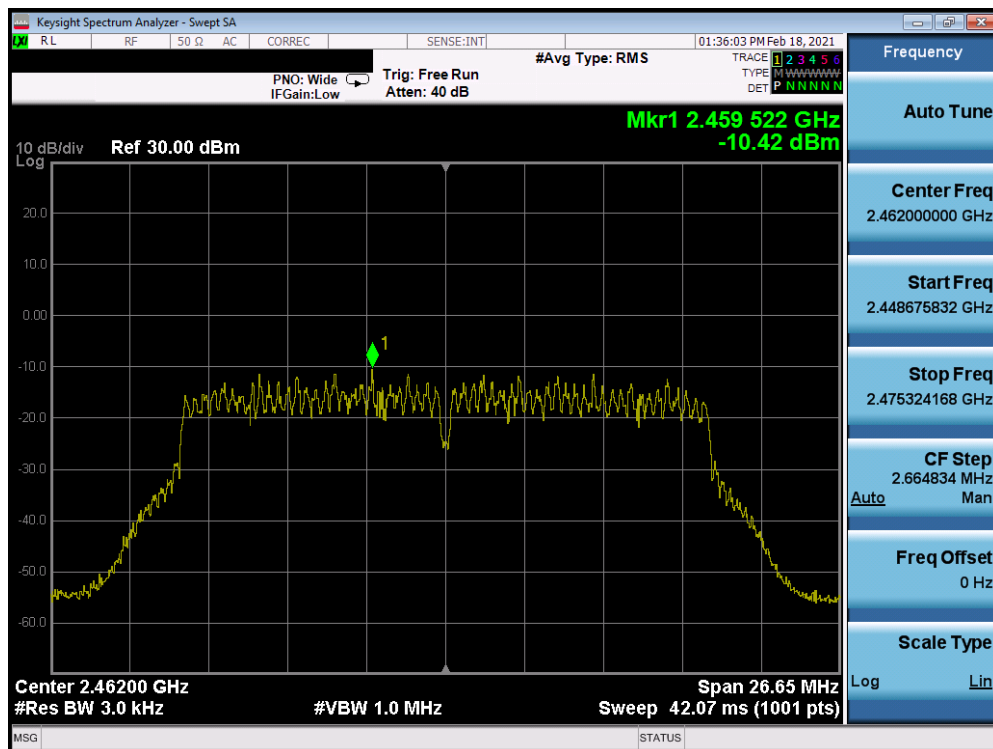


Plot 7-166. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 6) – MCS15

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 126 of 390

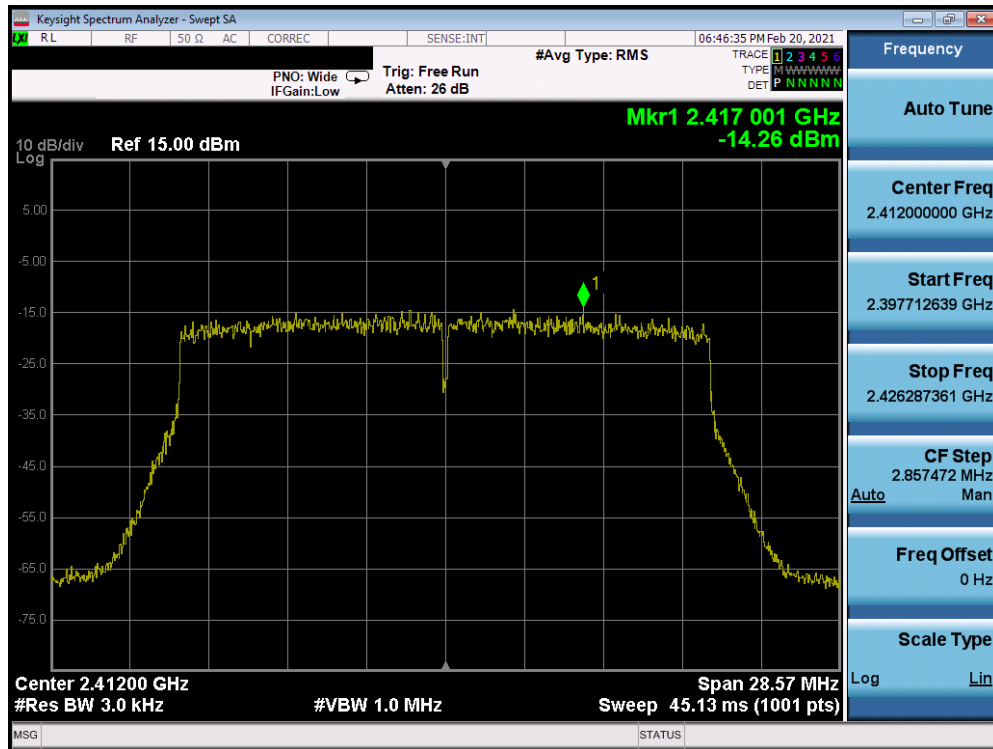


Plot 7-167. Power Spectral Density Plot CDD Antenna 8 (802.11n (2.4GHz) – Ch. 11) – MCS15

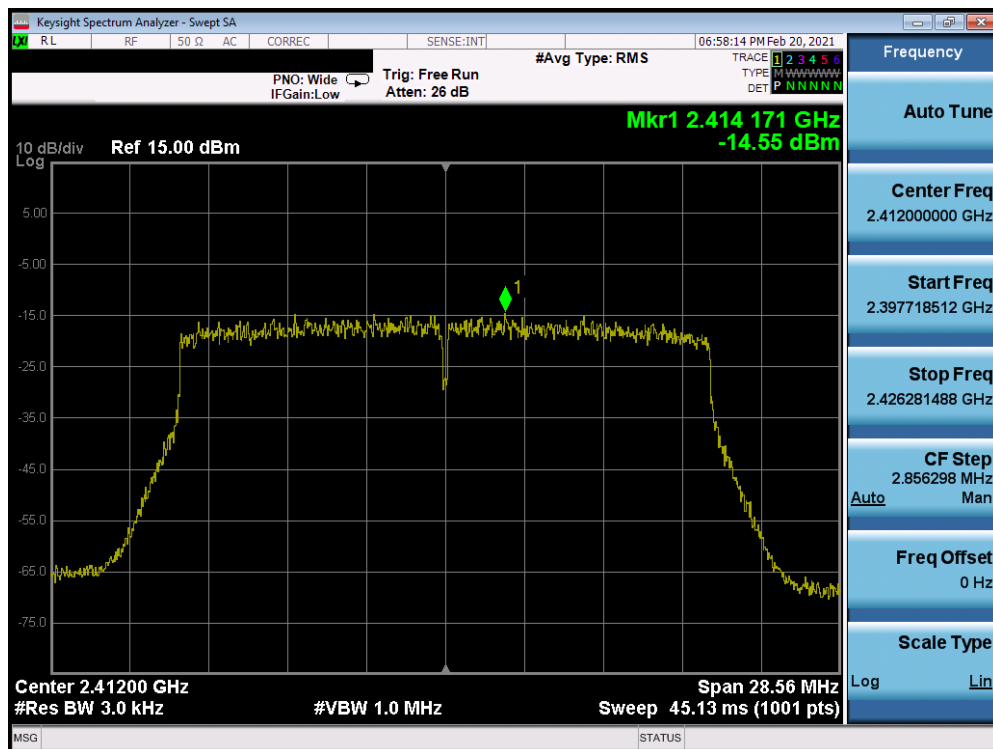


Plot 7-168. Power Spectral Density Plot CDD Antenna 7 (802.11n (2.4GHz) – Ch. 11) – MCS15

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 127 of 390

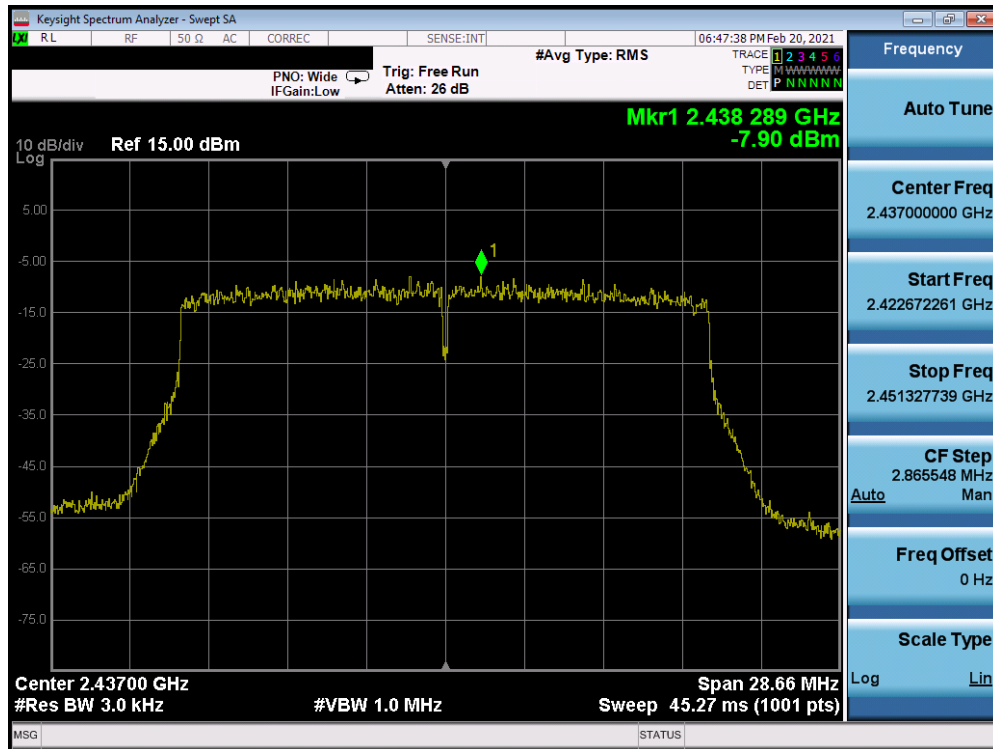


Plot 7-169. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS5

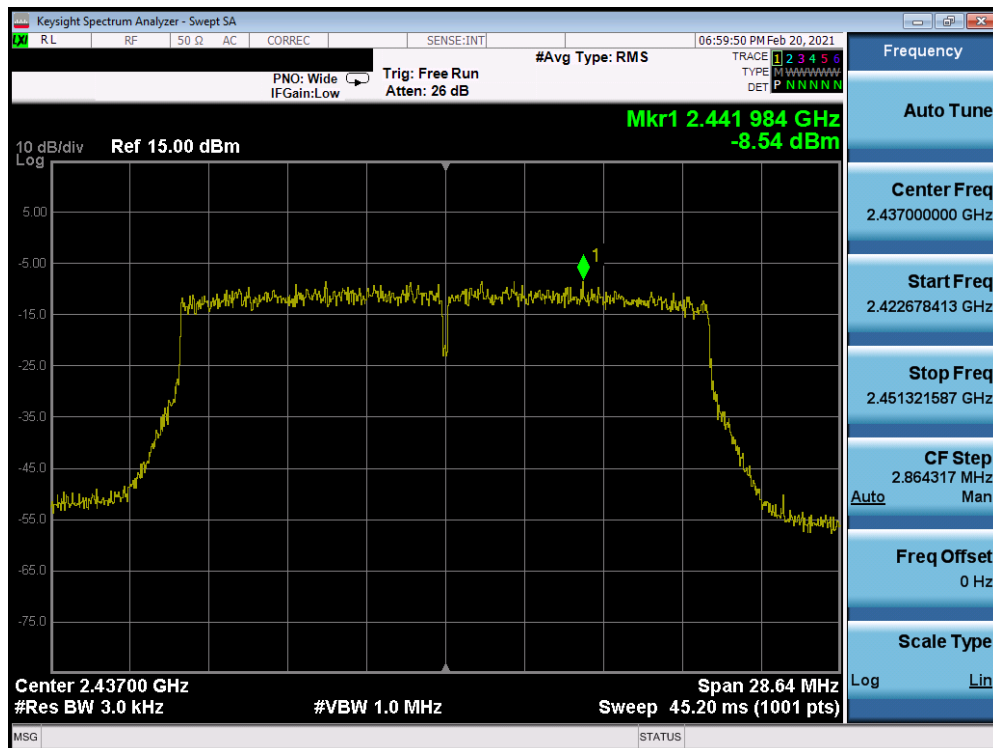


Plot 7-170. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 128 of 390

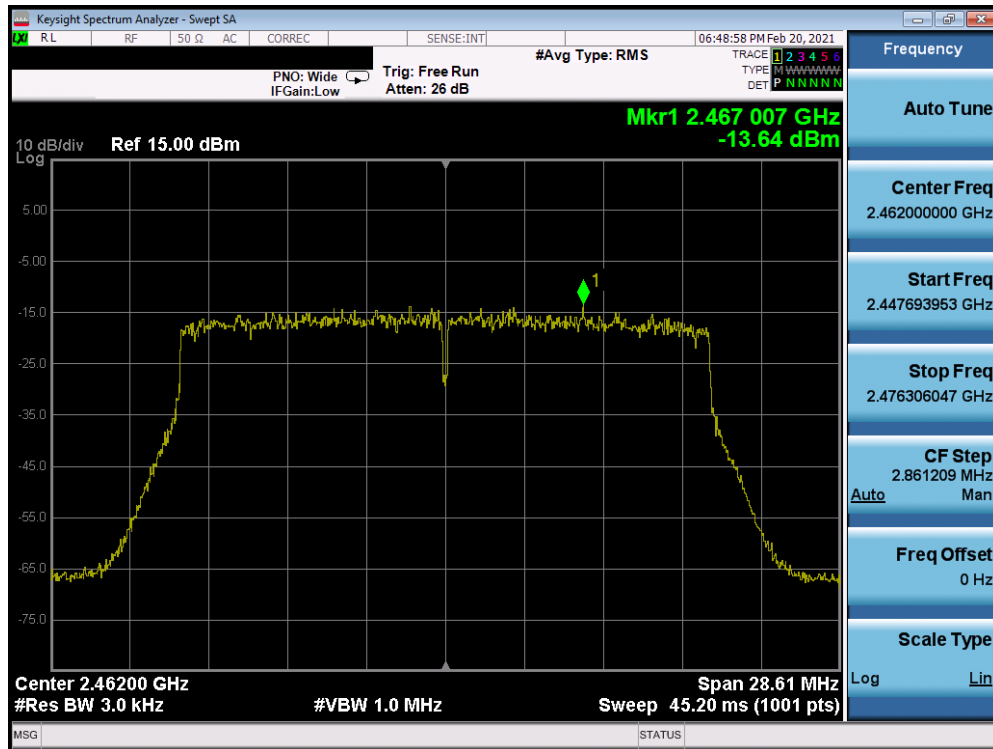


Plot 7-171. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS5

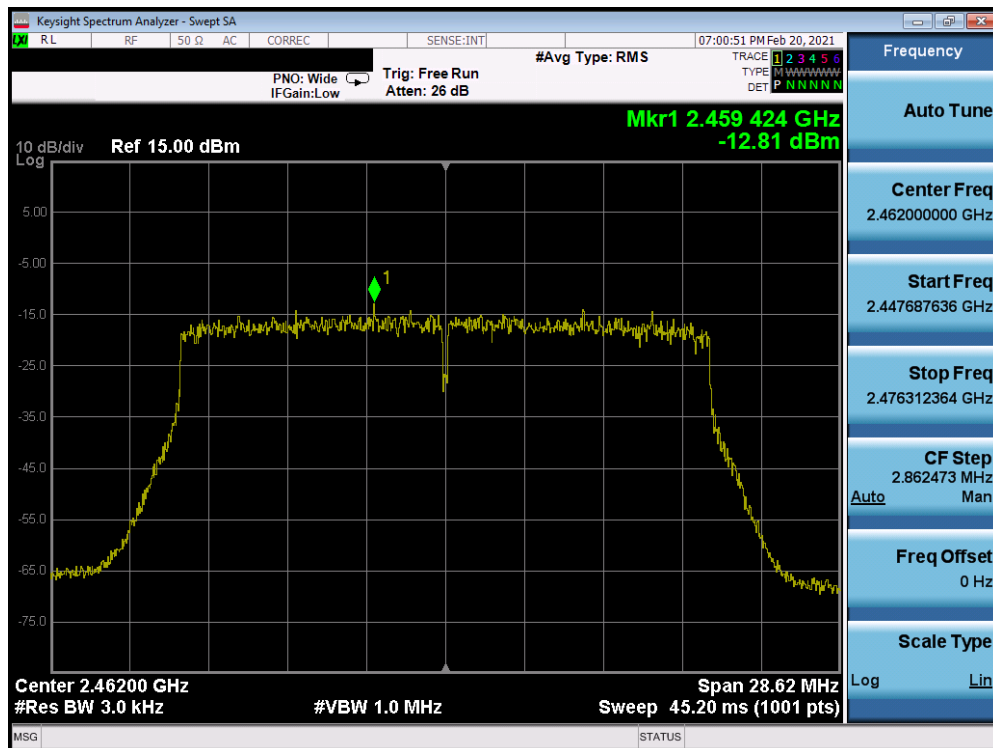


Plot 7-172. Power Spectral Density Plot CDD Antenna 7 (802.11ax (SU – 2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 129 of 390



Plot 7-173. Power Spectral Density Plot CDD Antenna 8 (802.11ax (SU – 2.4GHz) – Ch. 11) – MCS5



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

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 130 of 390

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 8 and Antenna 7 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 -11.08 dBm for Antenna 8 and -10.55 dBm for Antenna 7.

$$\text{Antenna 8} + \text{Antenna 7} = \text{CDD}$$

$$(-11.79 \text{ dBm} + -11.97 \text{ dBm}) = (0.066 \text{ mW} + 0.064 \text{ mW}) = 0.130 \text{ mW} = -8.87 \text{ dBm}$$

FCC ID: BCGA2378 IC: 579C-A2378	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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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, 6, 18, 54 Mbps for “g” mode, 6.5/7.2, 26/28.9, 65/72.2Mbps for “n” mode, and 8/8.6, 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 – Section 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

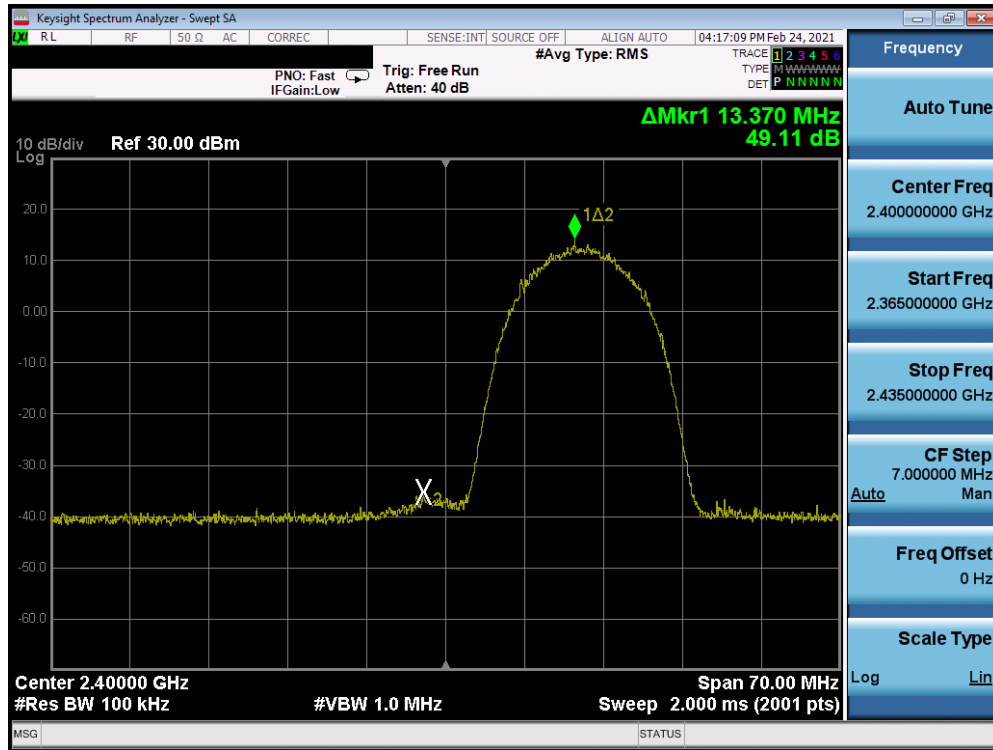
FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 132 of 390

Test Notes

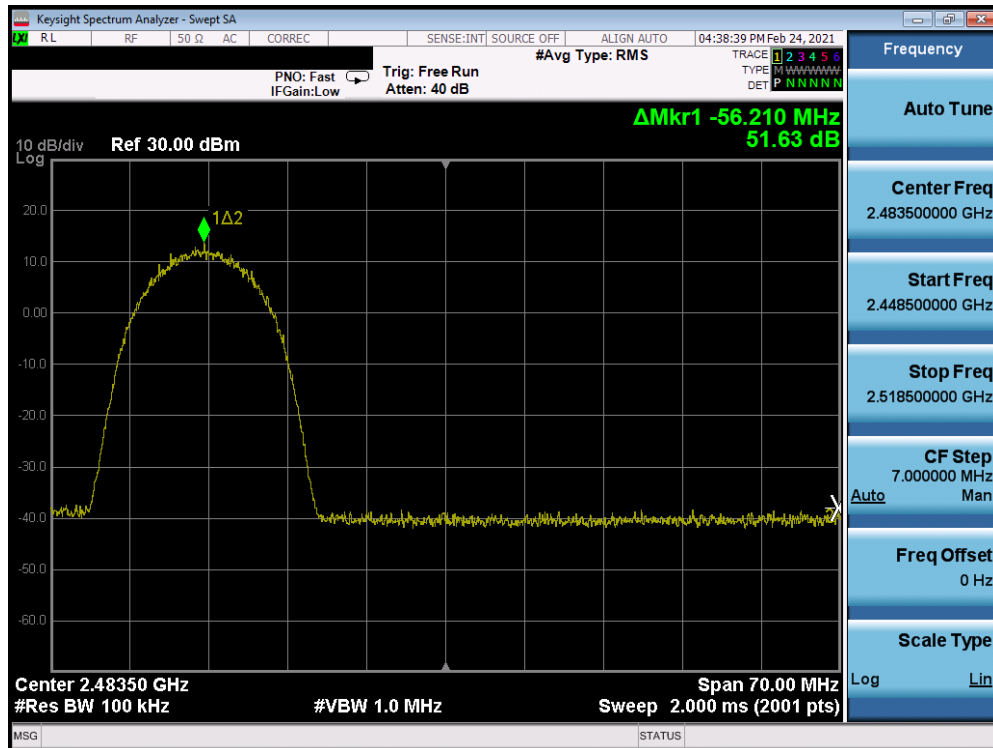
1. All antenna configurations were investigated and only the worst case is reported.
2. The data rates have been classified into three different groups; low data rate, middle data rate, and high data rate. All three data rate groups of data rate have been investigated and only the worst case data rate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

FCC ID: BCGA2378 IC: 579C-A2378	 PCTEST Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 133 of 390

Antenna 8 Conducted Emissions at the Band Edge

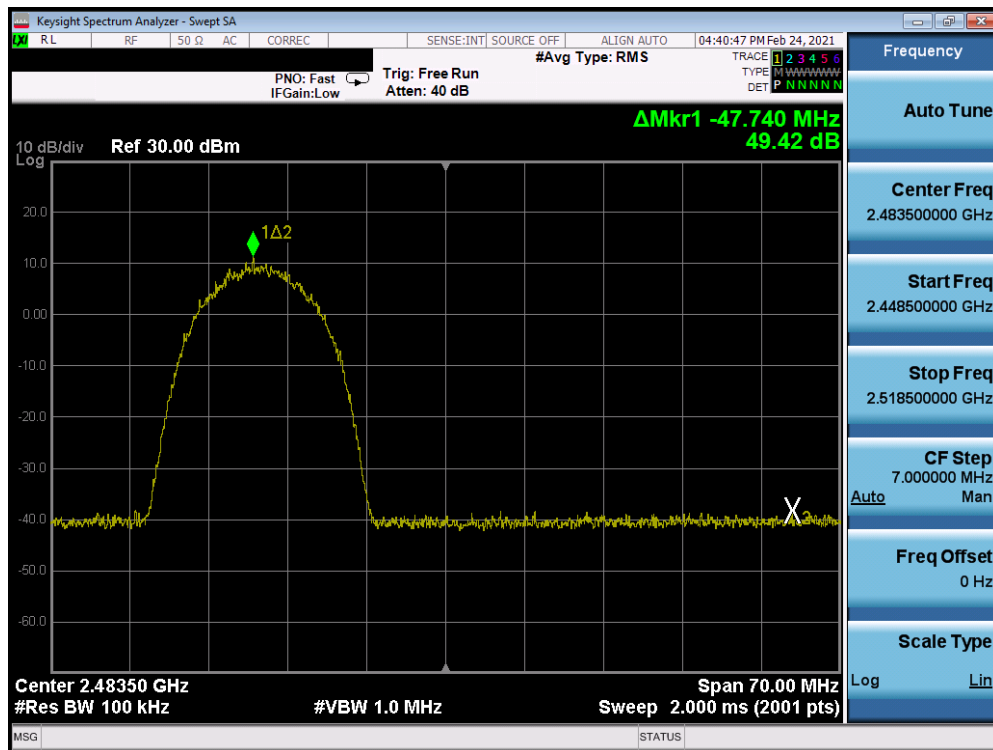


Plot 7-175. Band Edge Plot Antenna 8 (802.11b – Ch. 1) – 11Mbps

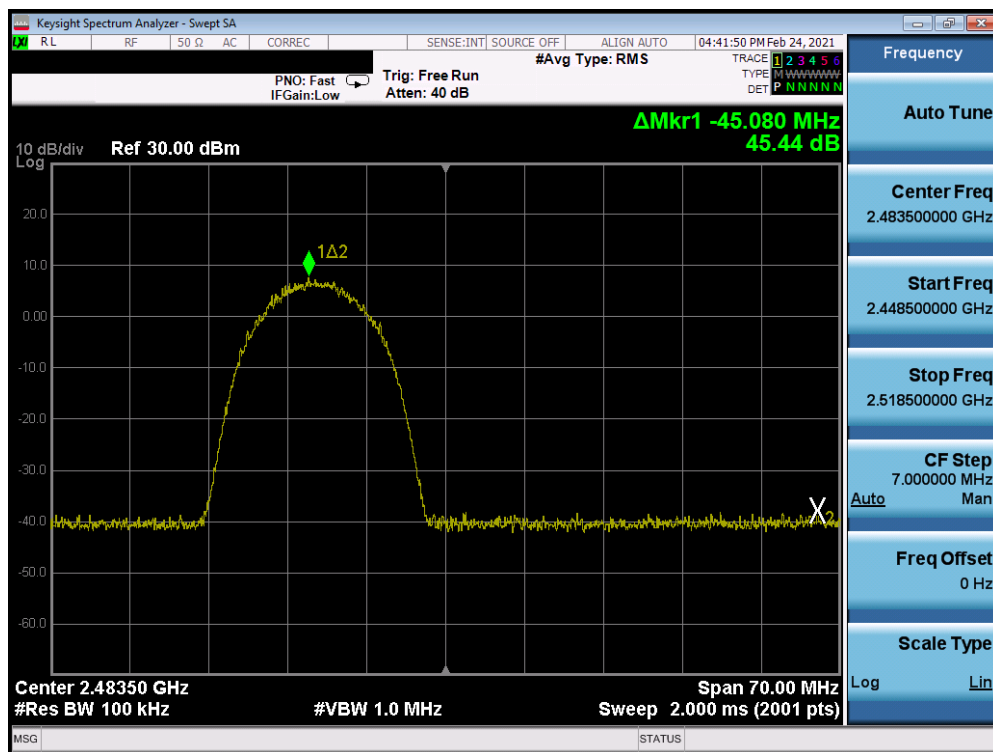


Plot 7-176. Band Edge Plot Antenna 8 (802.11b – Ch. 11) – 11Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 134 of 390

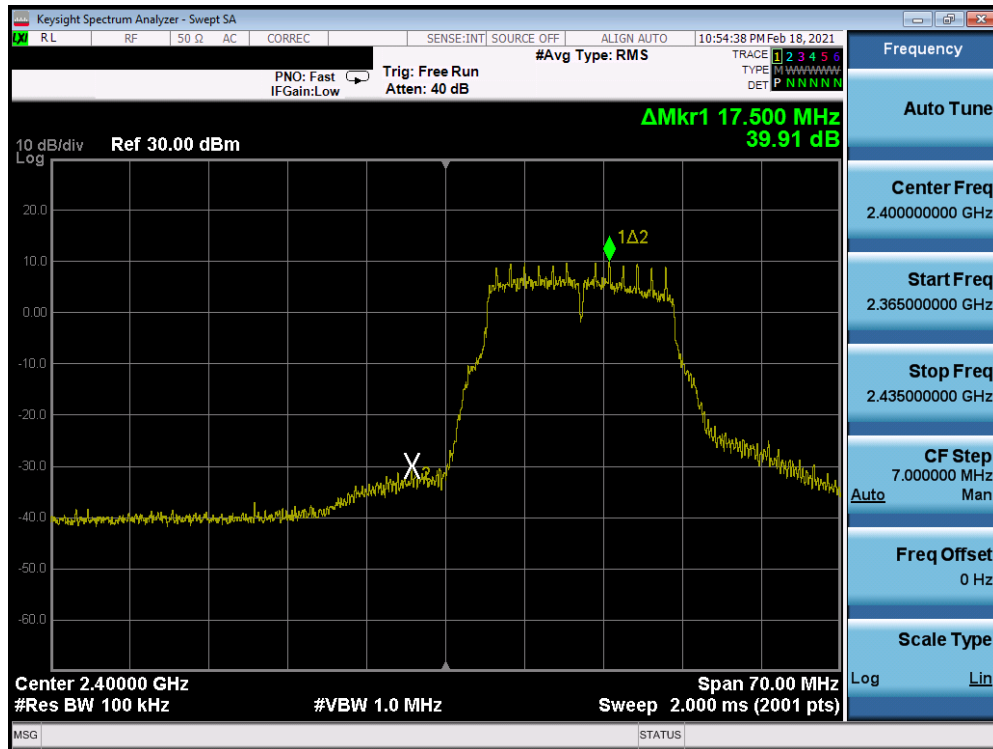


Plot 7-177. Band Edge Plot Antenna 8 (802.11b – Ch. 12) – 11Mbps

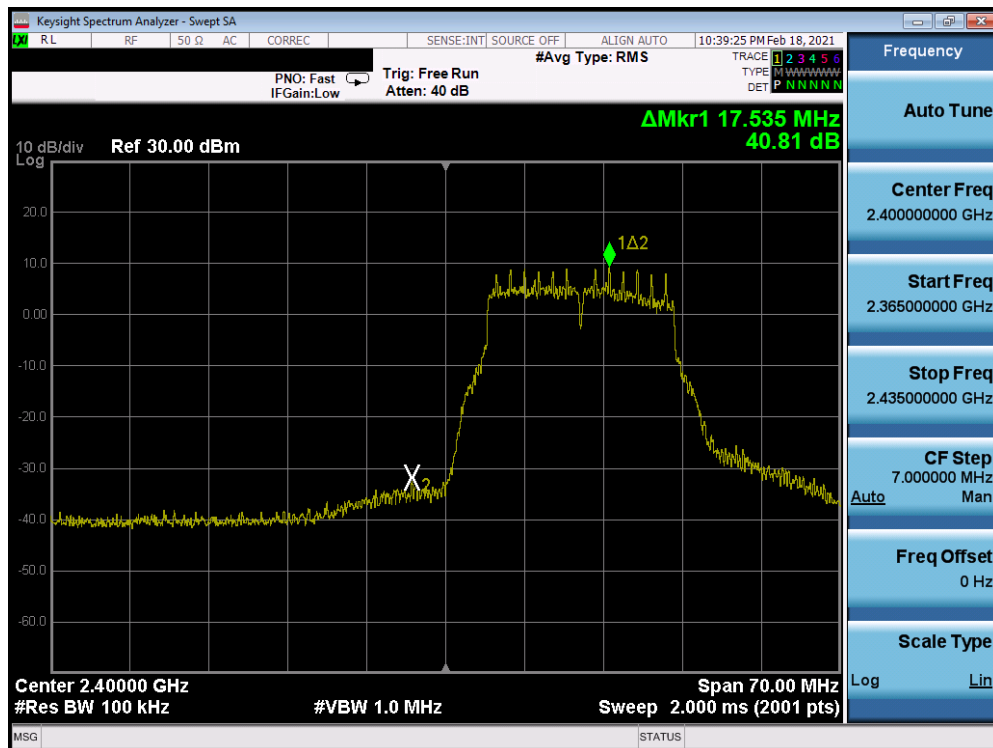


Plot 7-178. Band Edge Plot Antenna 8 (802.11b – Ch. 13) – 11Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 135 of 390

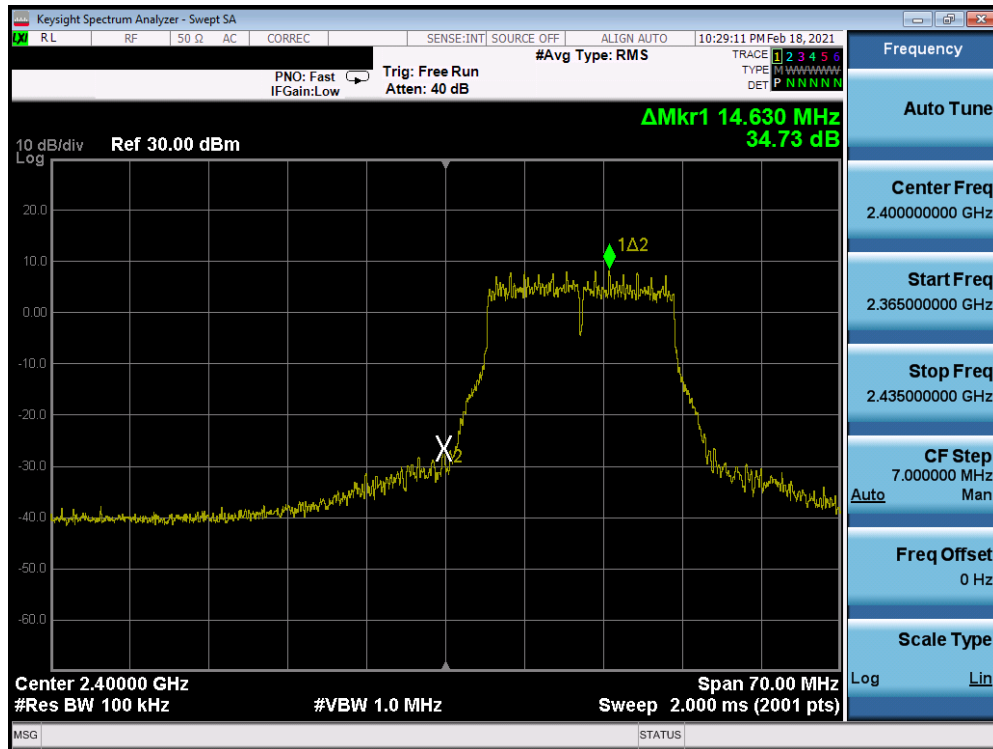


Plot 7-179. Band Edge Plot Antenna 8 (802.11g- Ch. 1) – 6Mbps

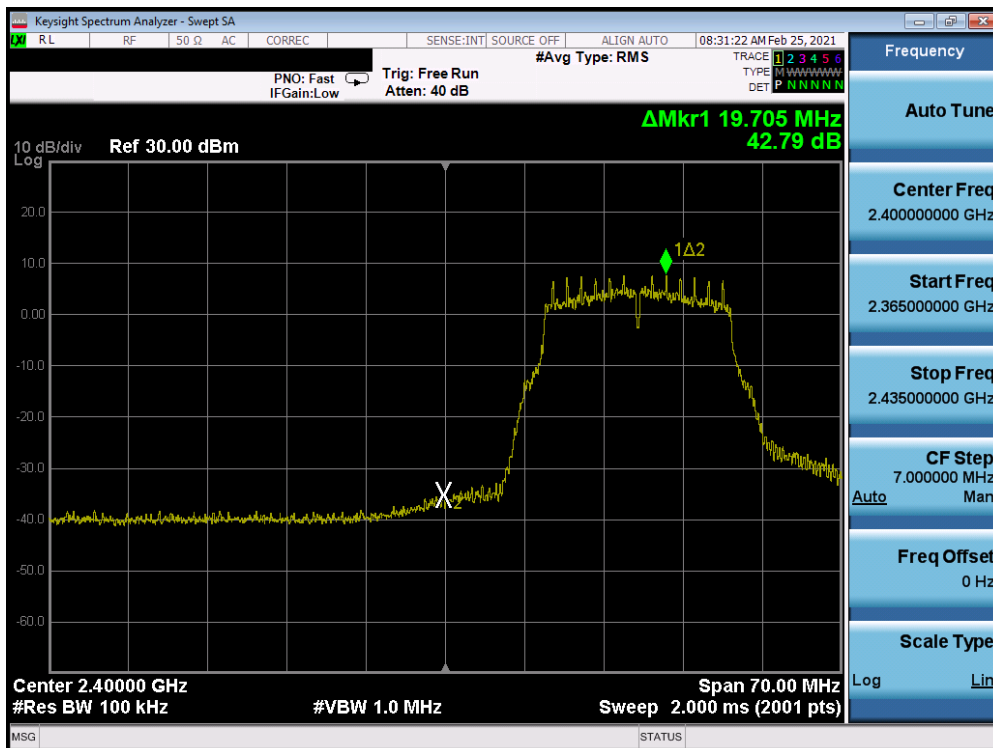


Plot 7-180. Band Edge Plot Antenna 8 (802.11g- Ch. 1) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 136 of 390

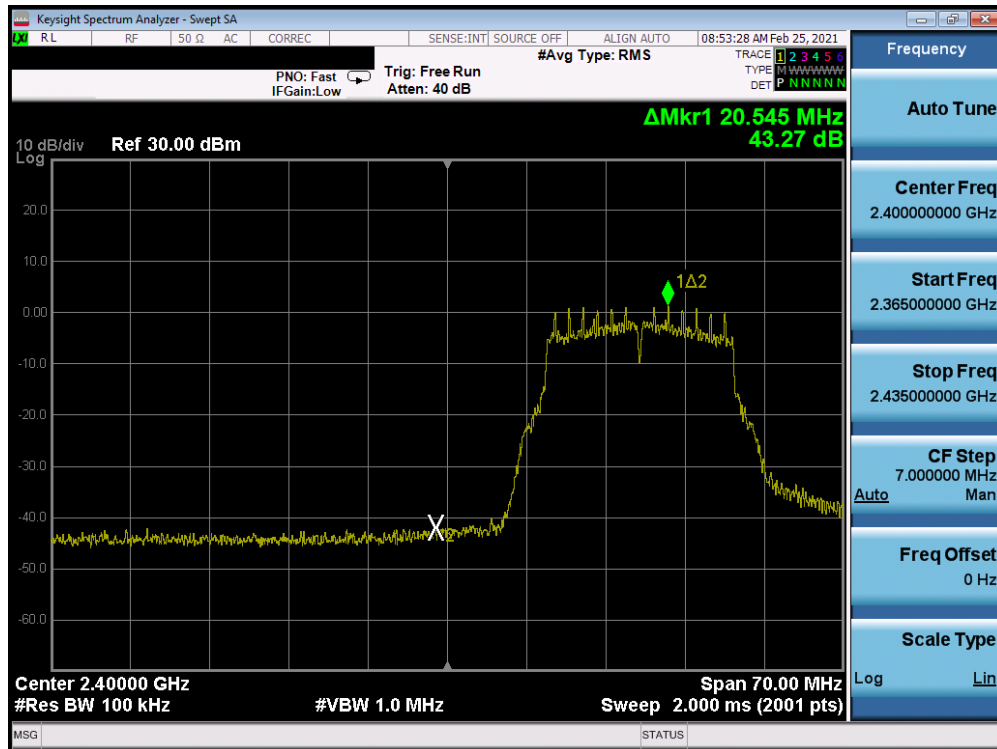


Plot 7-181. Band Edge Plot Antenna 8 (802.11g- Ch. 1) – 54Mbps

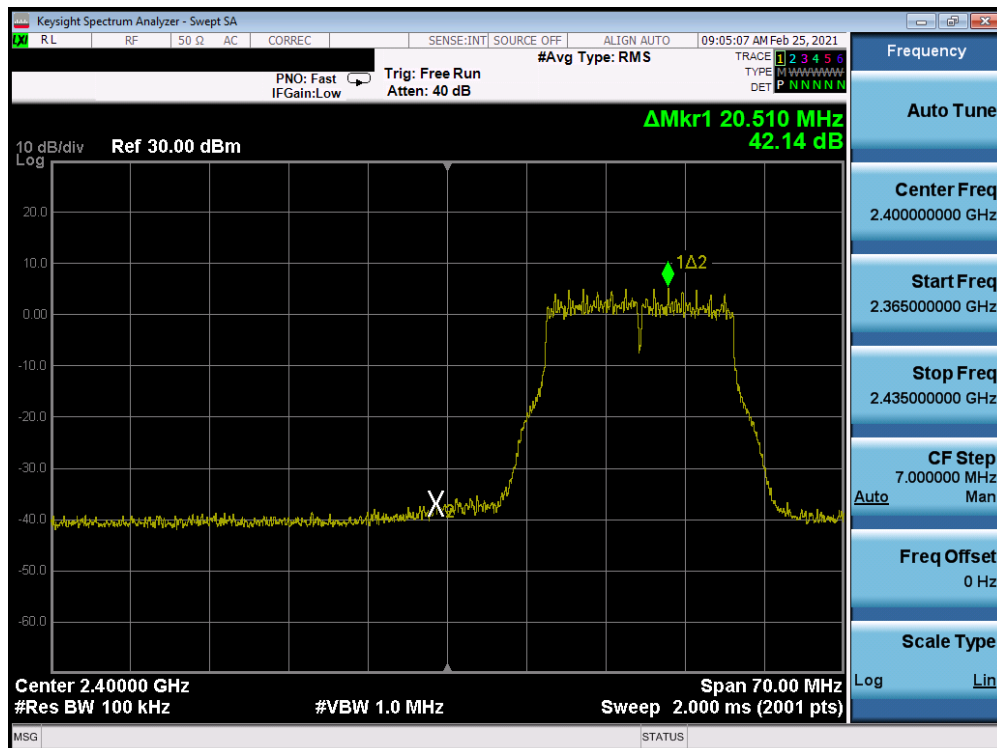


Plot 7-182. Band Edge Plot Antenna 8 (802.11g- Ch. 2) – 6Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 137 of 390

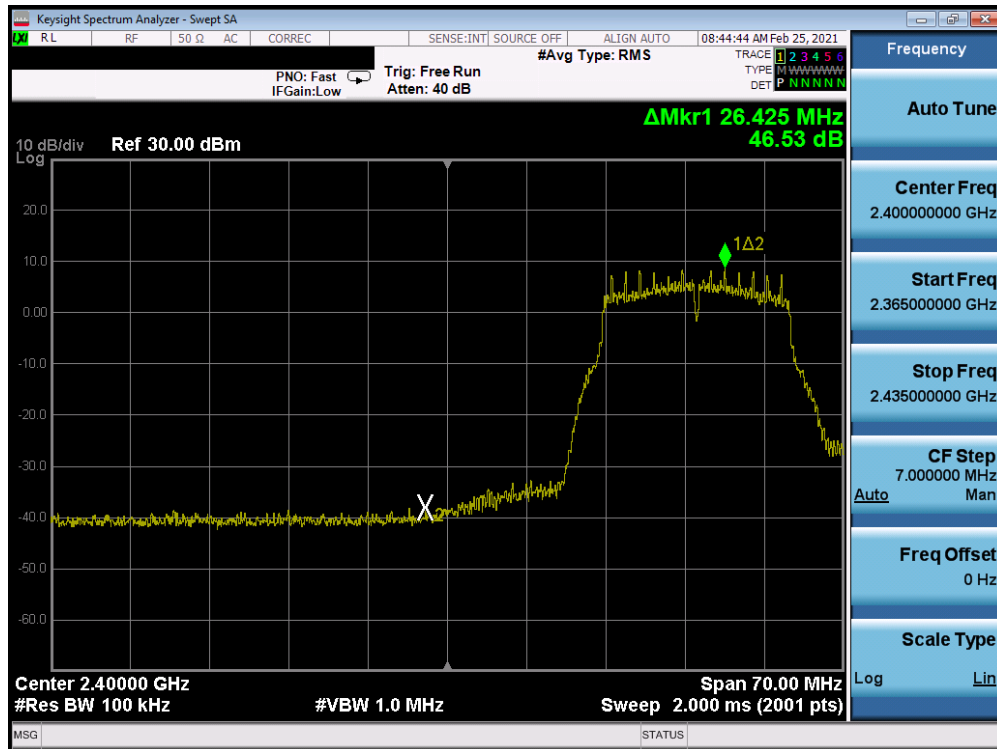


Plot 7-183. Band Edge Plot Antenna 8 (802.11g- Ch. 2) – 18Mbps

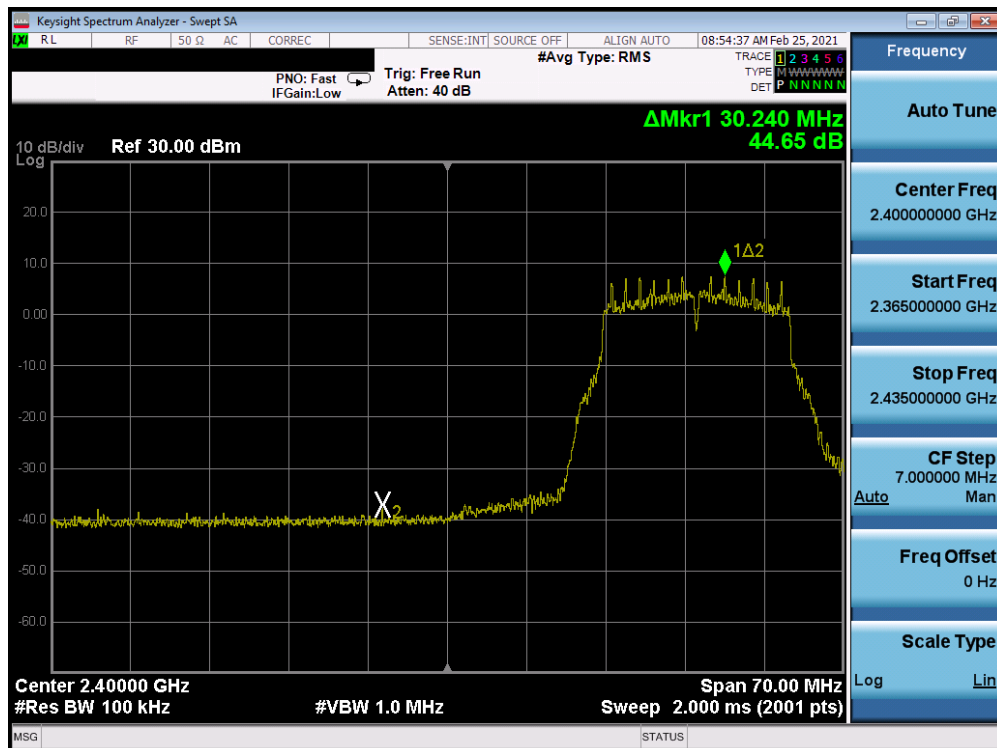


Plot 7-184. Band Edge Plot Antenna 8 (802.11g- Ch. 2) – 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 138 of 390

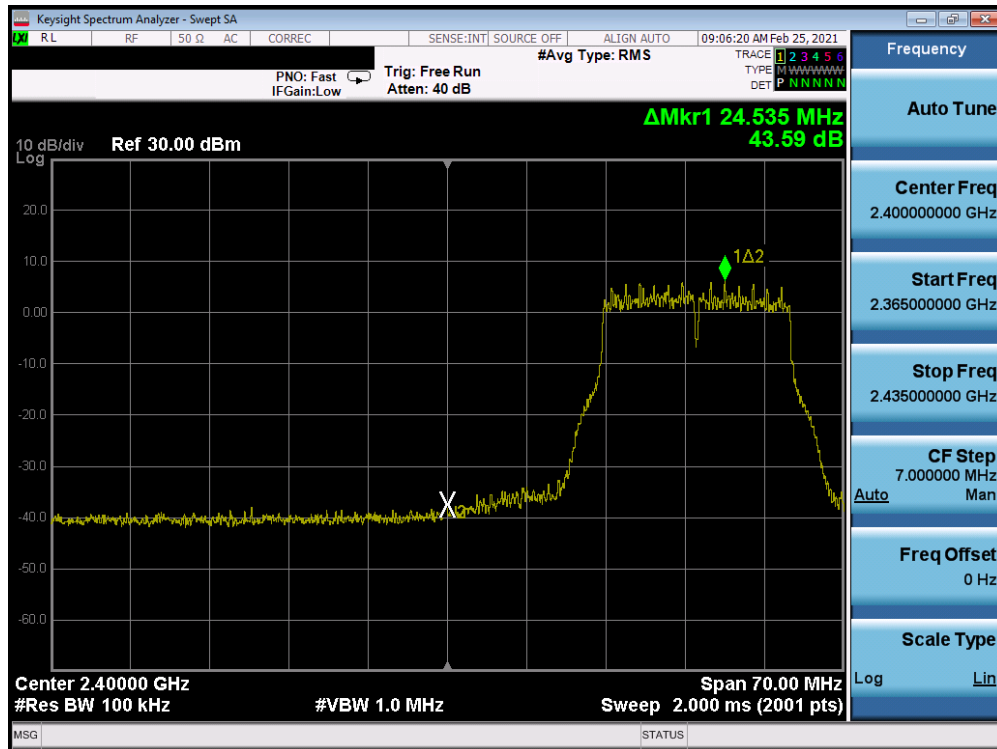


Plot 7-185. Band Edge Plot Antenna 8 (802.11g- Ch. 3) – 6Mbps

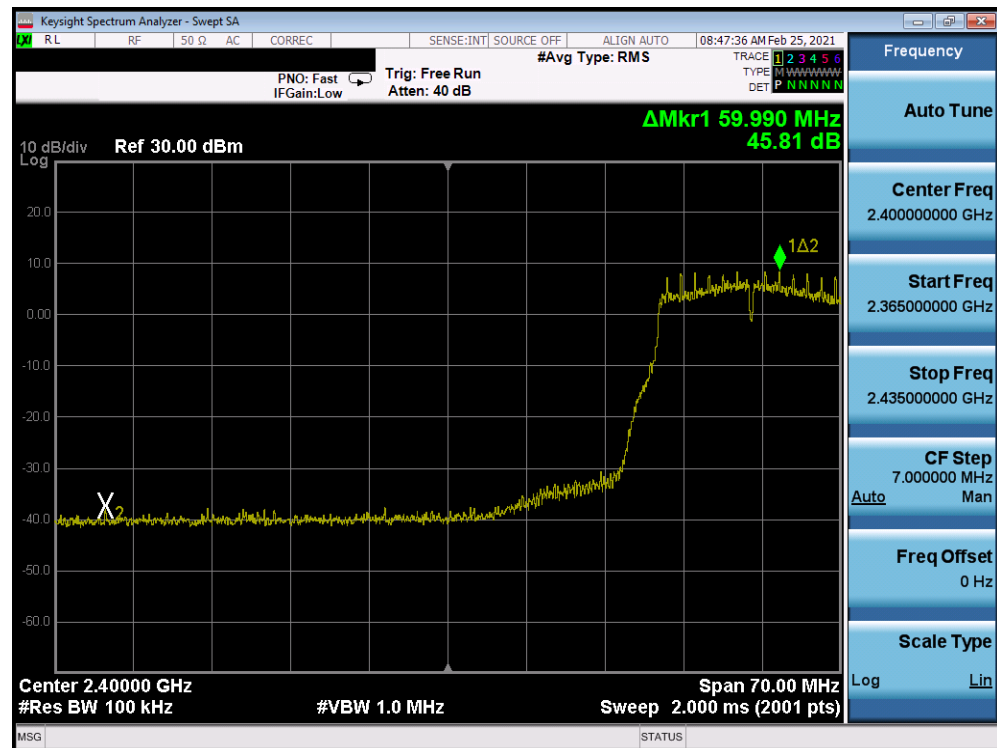


Plot 7-186. Band Edge Plot Antenna 8 (802.11g- Ch. 3) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 139 of 390

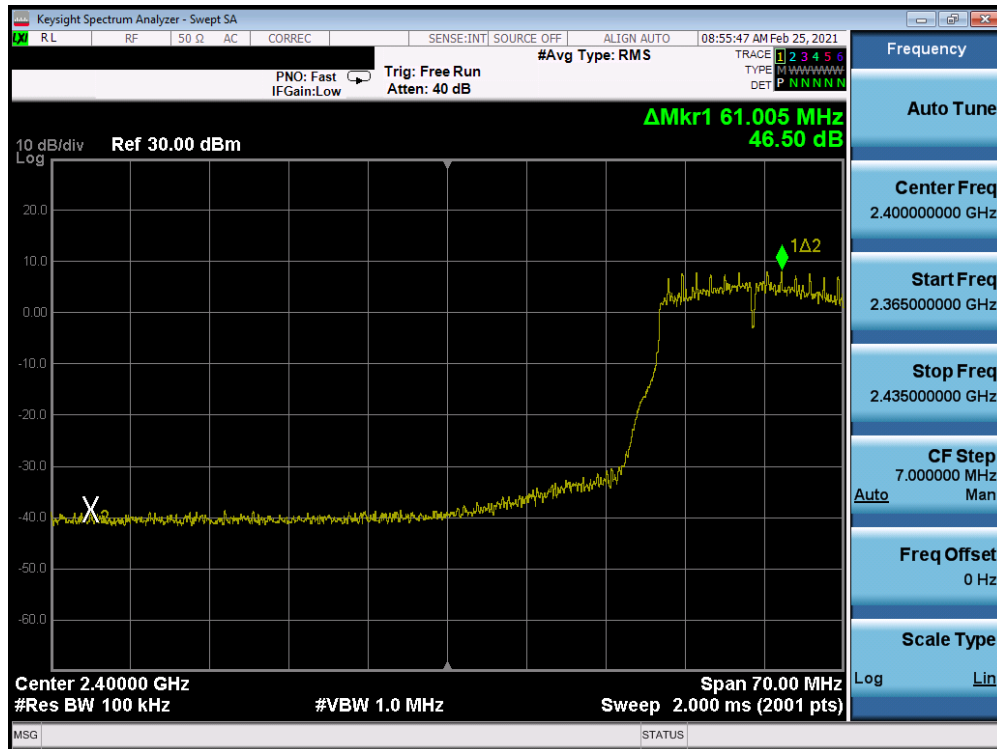


Plot 7-187. Band Edge Plot Antenna 8 (802.11g- Ch. 3) – 54Mbps

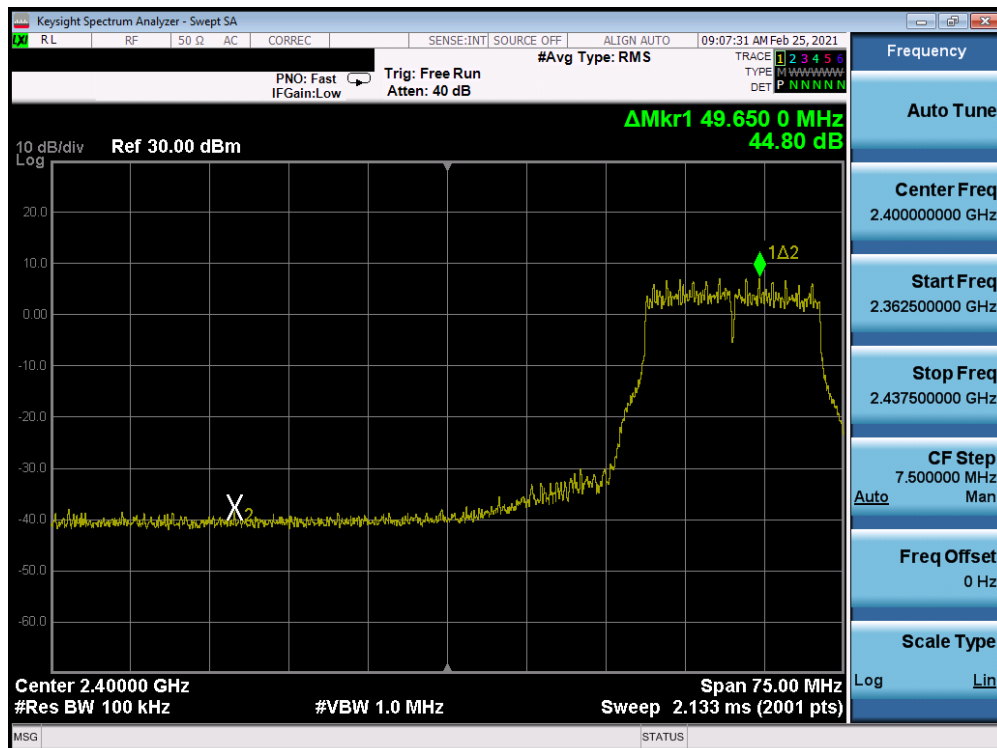


Plot 7-188: Band Edge Plot Antenna 8 (802.11g- Ch. 4) – 6Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 140 of 390

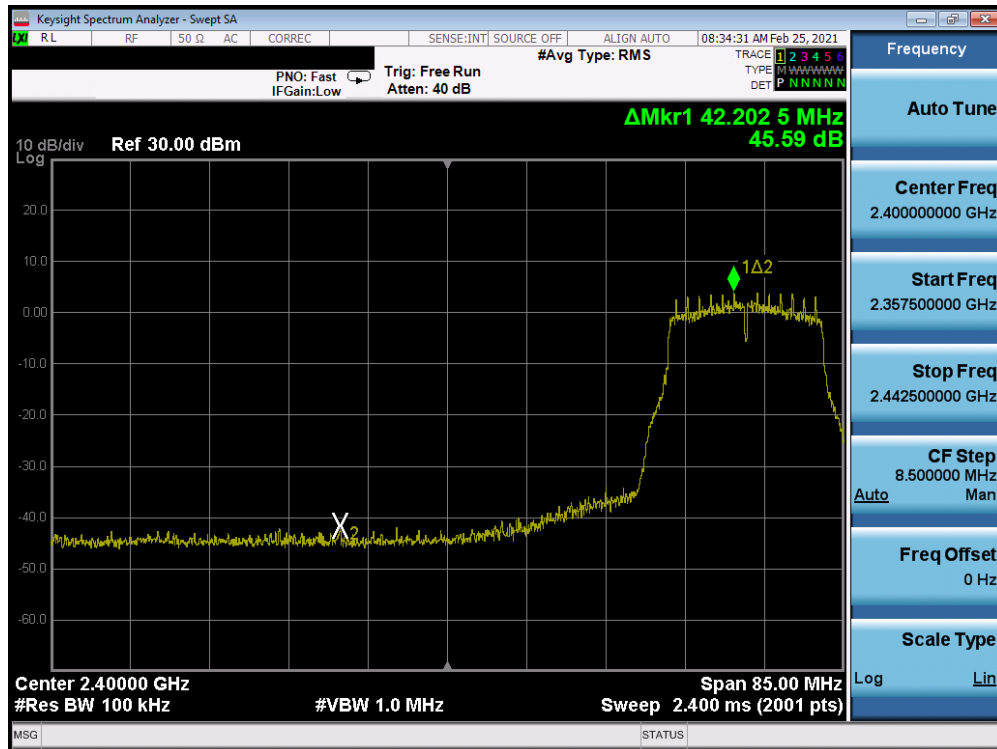


Plot 7-189. Band Edge Plot Antenna 8 (802.11g- Ch. 4) – 18Mbps

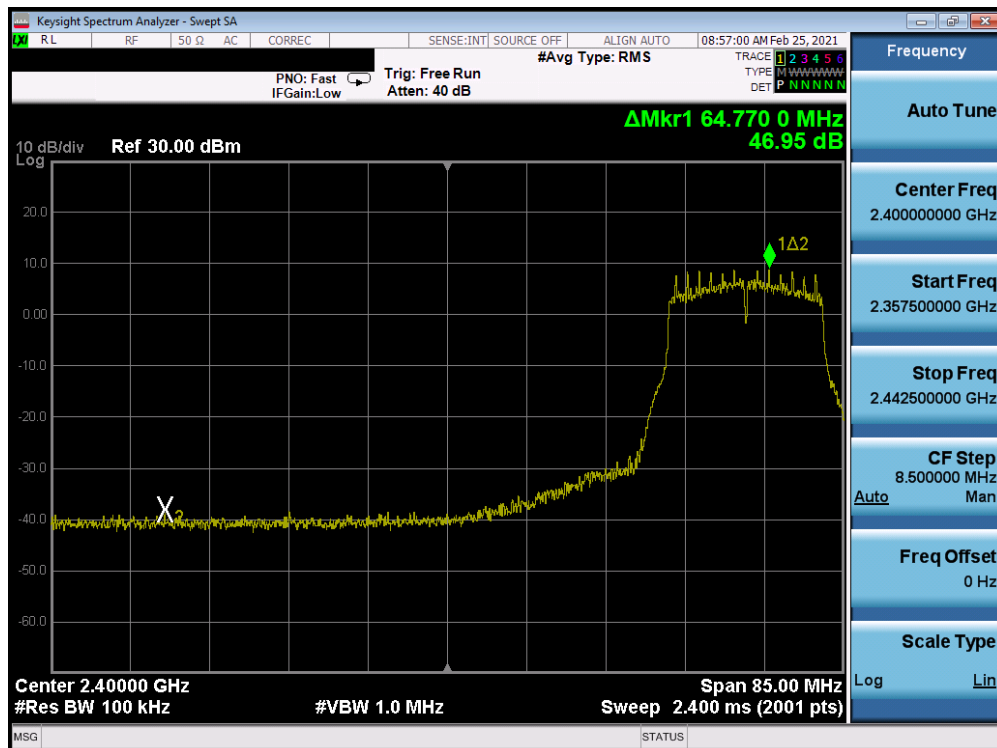


Plot 7-190. Band Edge Plot Antenna 8 (802.11g- Ch. 4) – 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 141 of 390

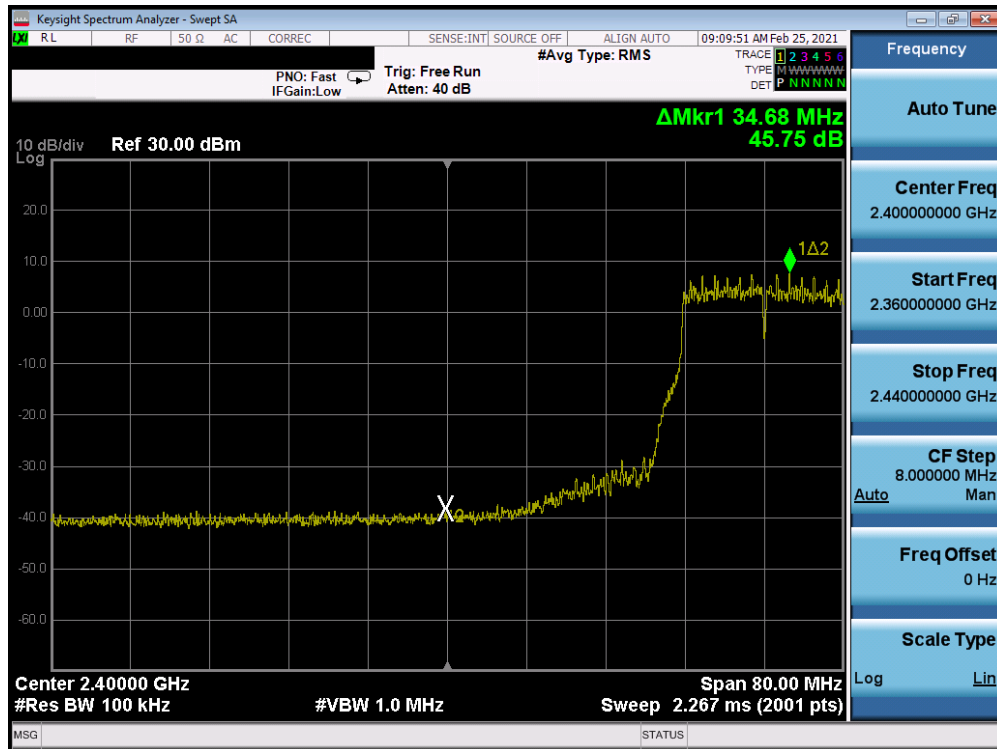


Plot 7-191. Band Edge Plot Antenna 8 (802.11g- Ch. 5) – 6Mbps

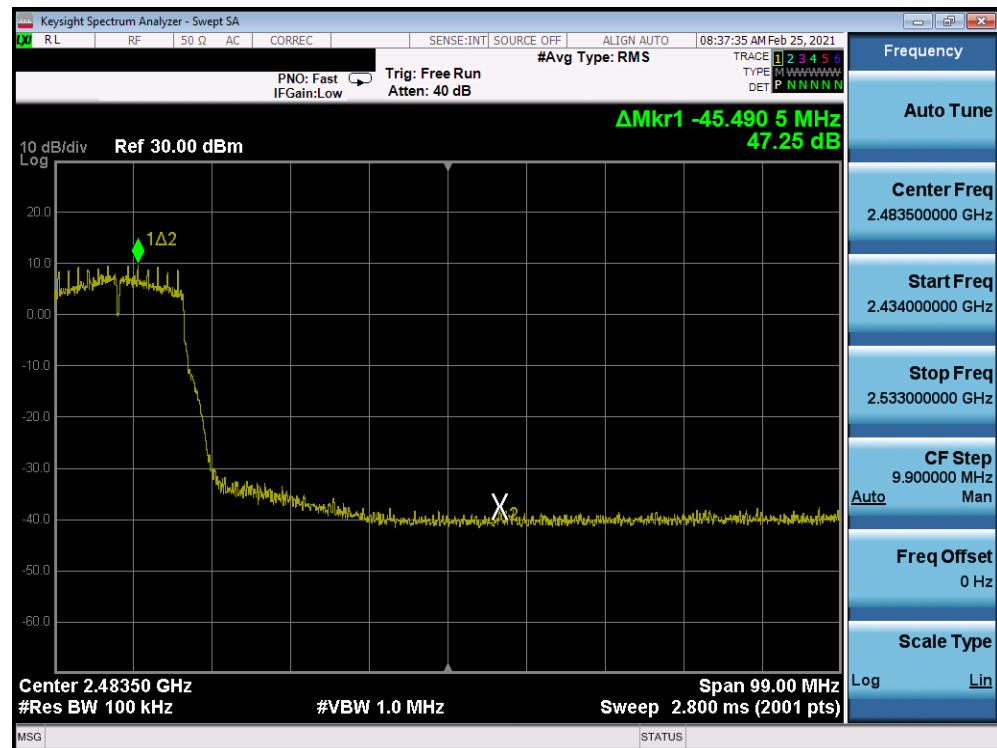


Plot 7-192. Band Edge Plot Antenna 8 (802.11g- Ch. 5) – 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 142 of 390

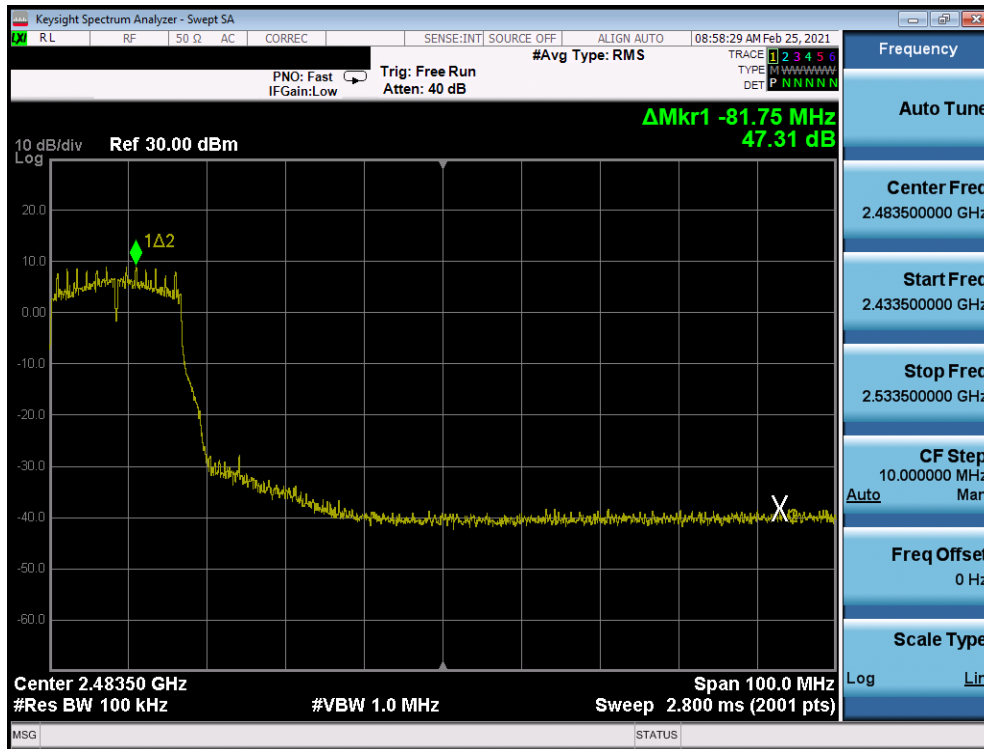


Plot 7-193. Band Edge Plot Antenna 8 (802.11g– Ch. 5) – 54Mbps

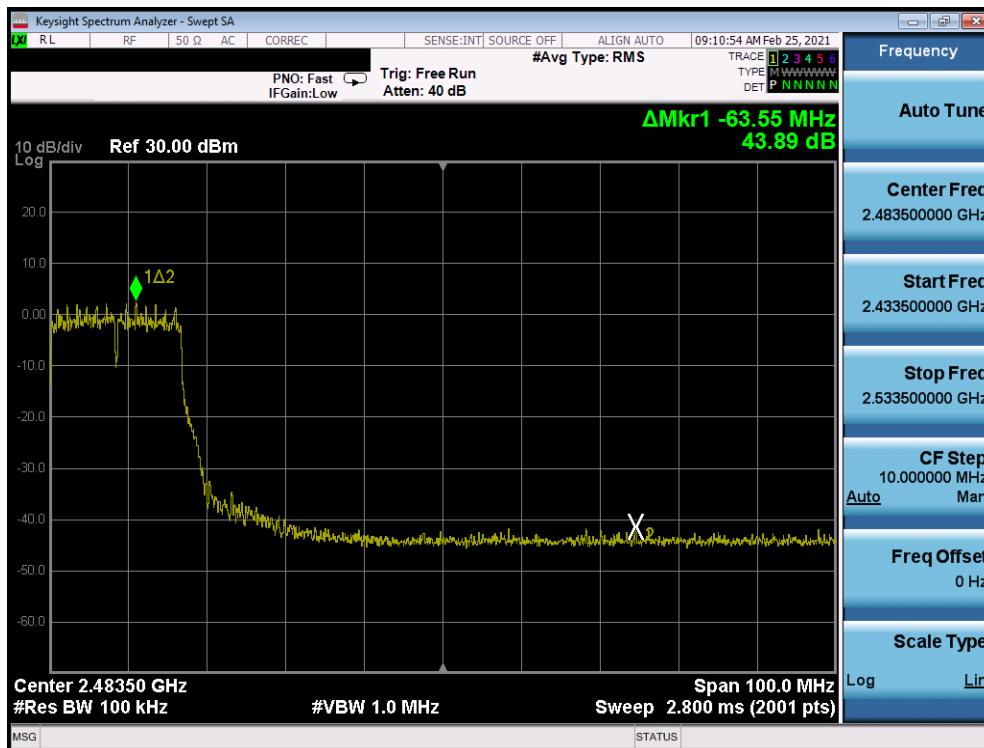


Plot 7-194: Band Edge Plot Antenna 8 (802.11g – Ch. 7) – 6Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 143 of 390

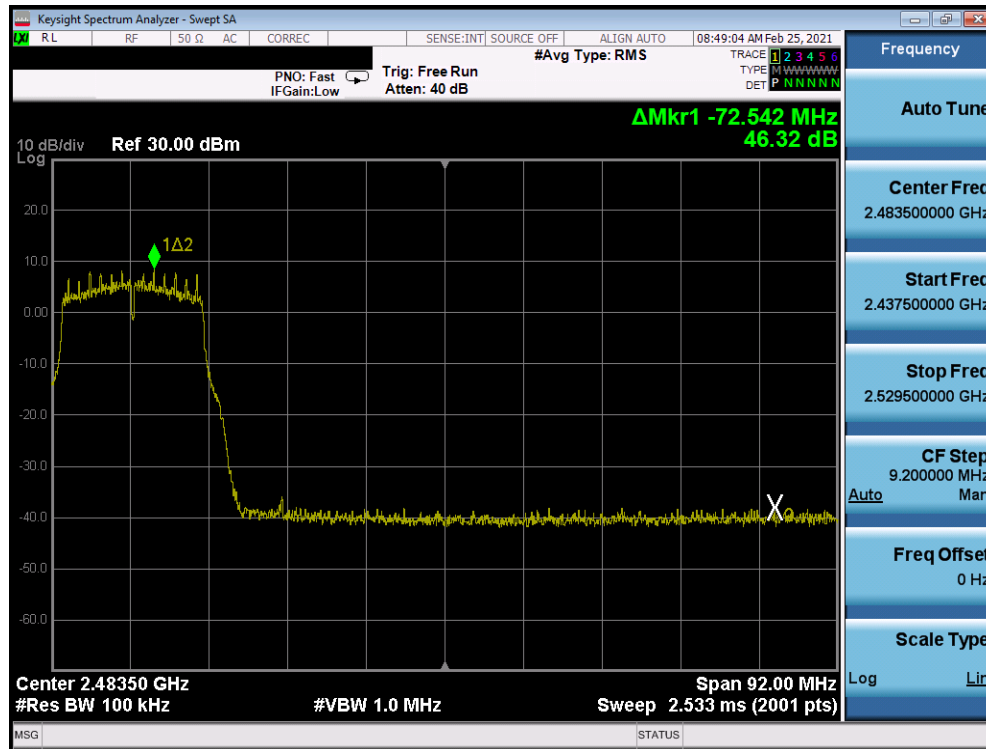


Plot 7-195: Band Edge Plot Antenna 8 (802.11g - Ch. 7) - 18Mbps

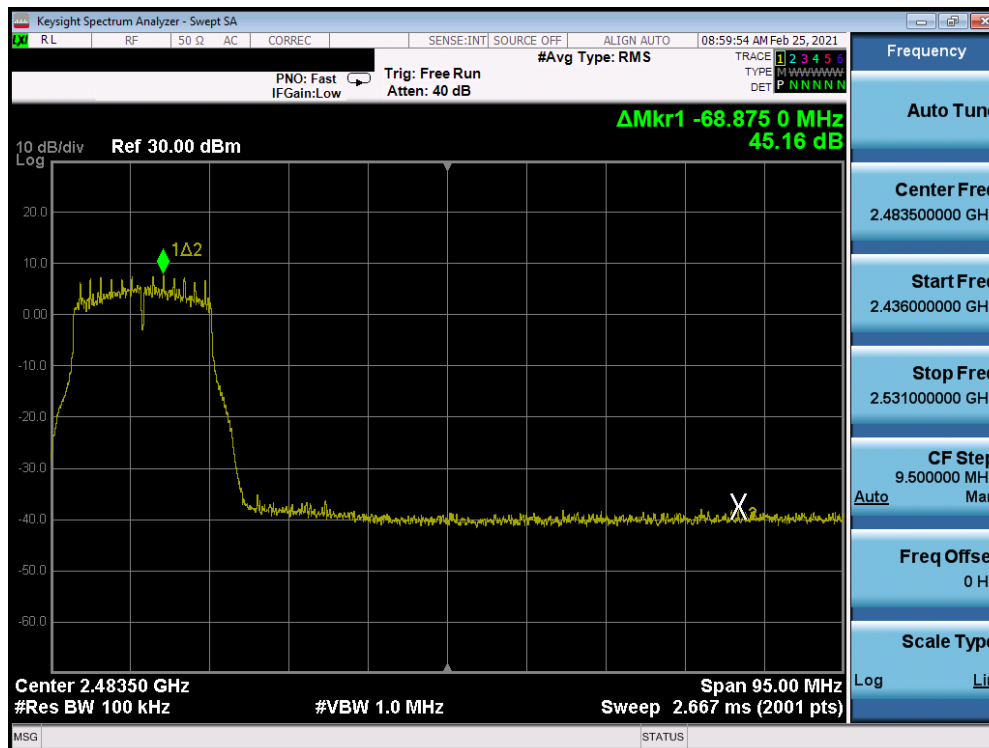


Plot 7-196: Band Edge Plot Antenna 8 (802.11g - Ch. 7) - 54Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 144 of 390



Plot 7-197: Band Edge Plot Antenna 8 (802.11g - Ch. 8) - 6Mbps



Plot 7-198: Band Edge Plot Antenna 8 (802.11g - Ch. 8) - 18Mbps

FCC ID: BCGA2378 IC: 579C-A2378	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2101020004-02-R1.BCG	Test Dates: 12/15/2020 - 3/18/2021	EUT Type: Tablet Device	Page 145 of 390