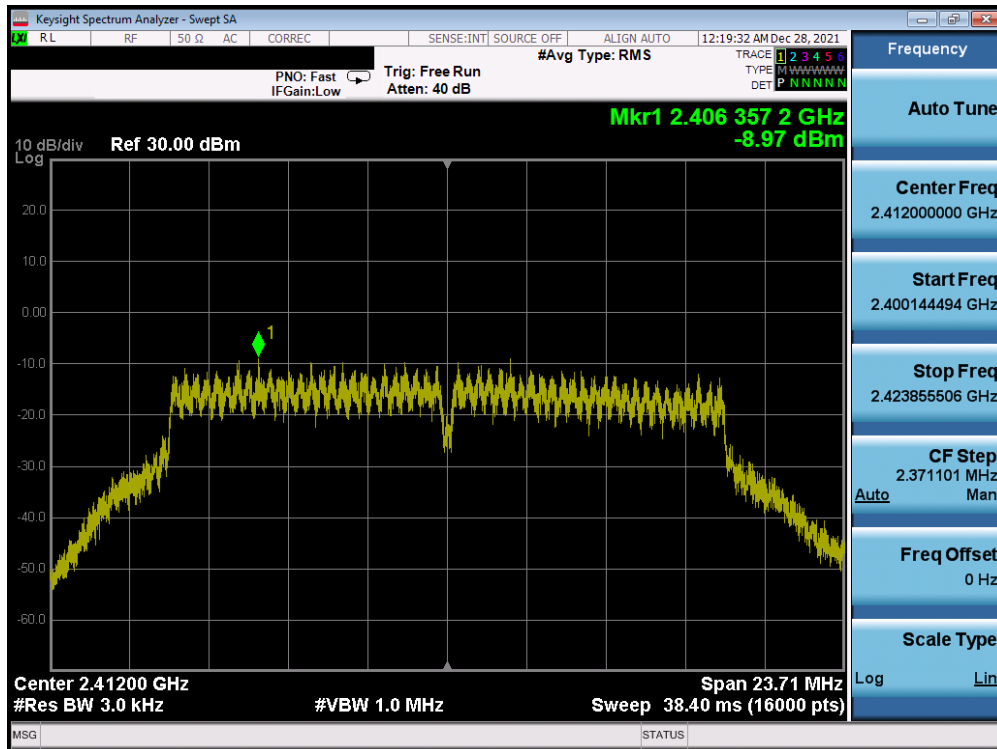
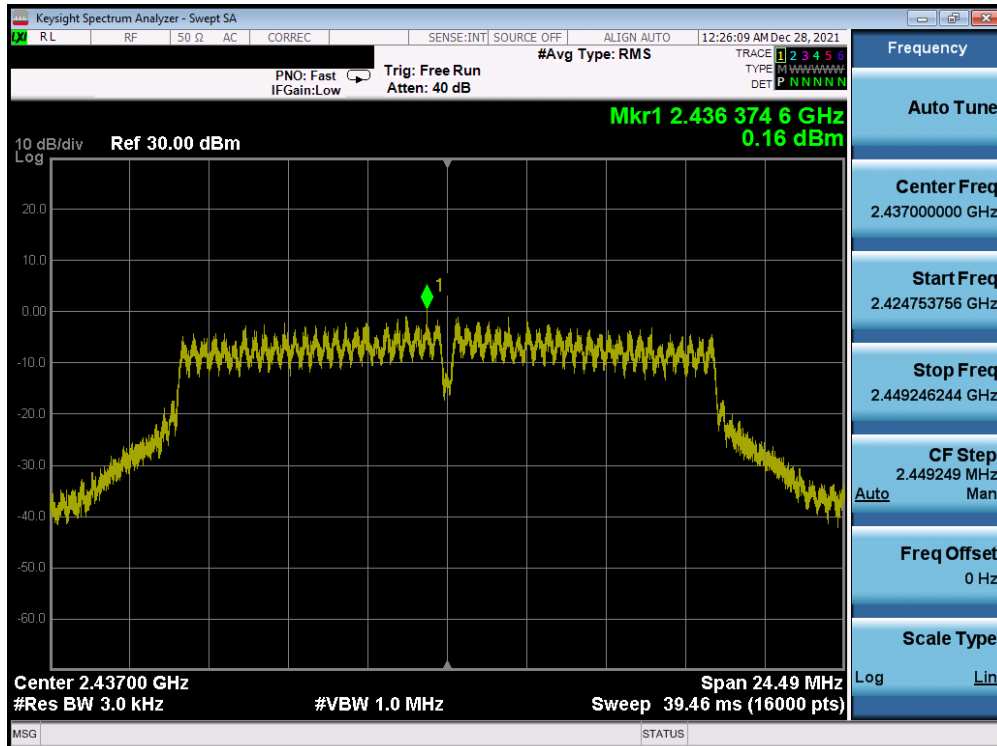


Low Data Rate

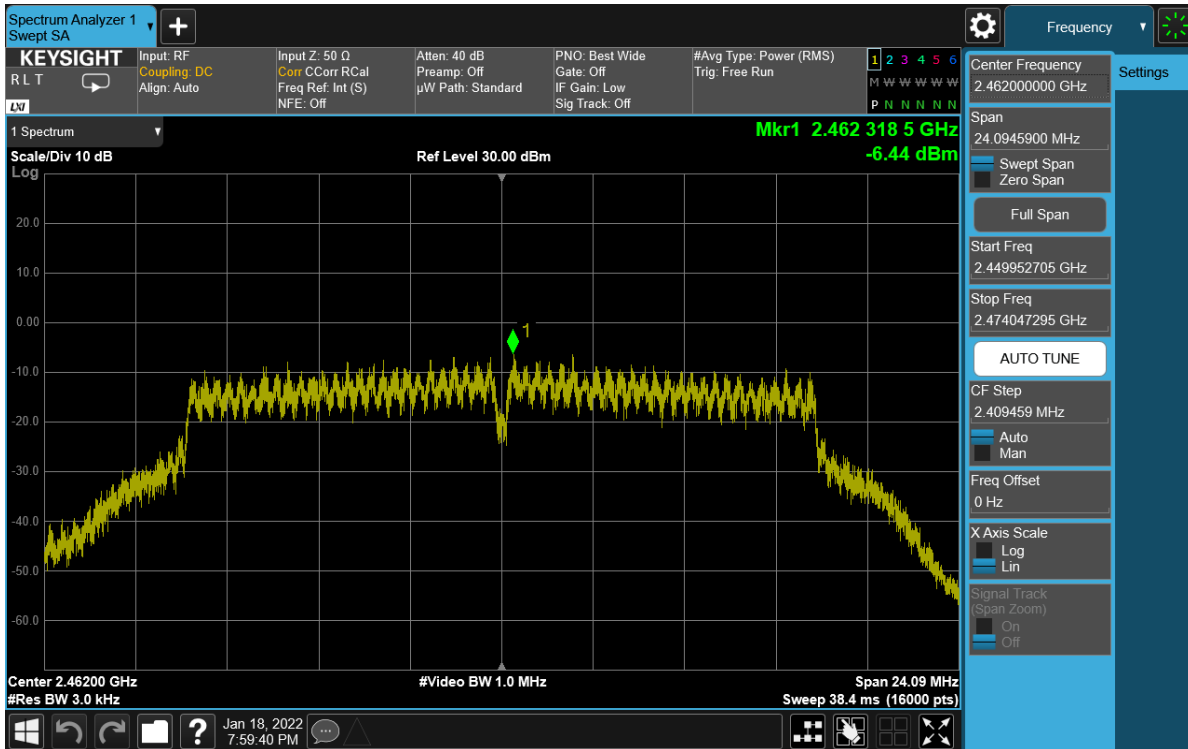


Plot 7-91. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 1) – 6Mbps

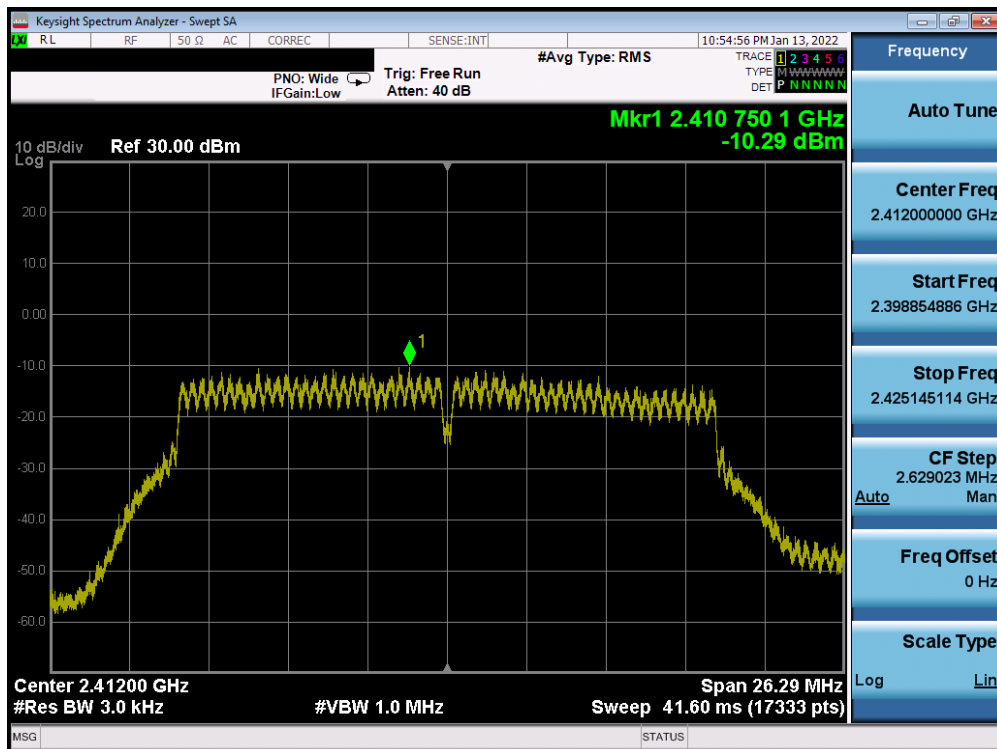


Plot 7-92. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 6) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 88 of 443

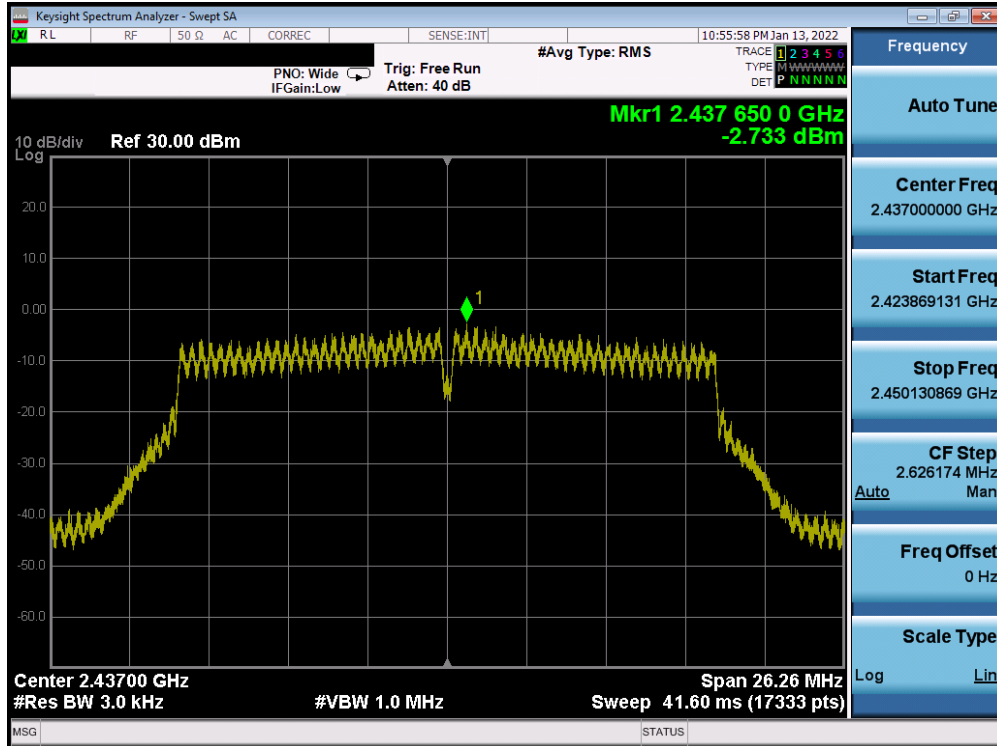


Plot 7-93. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 11) – 6Mbps

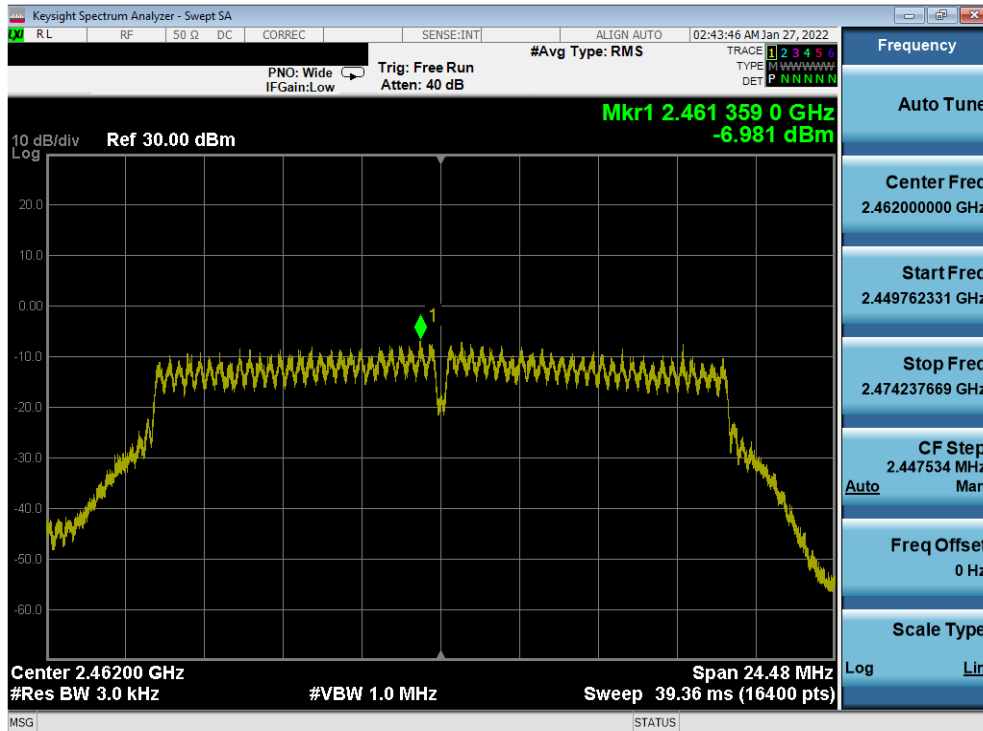


Plot 7-94. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 1) – MCS0

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 89 of 443

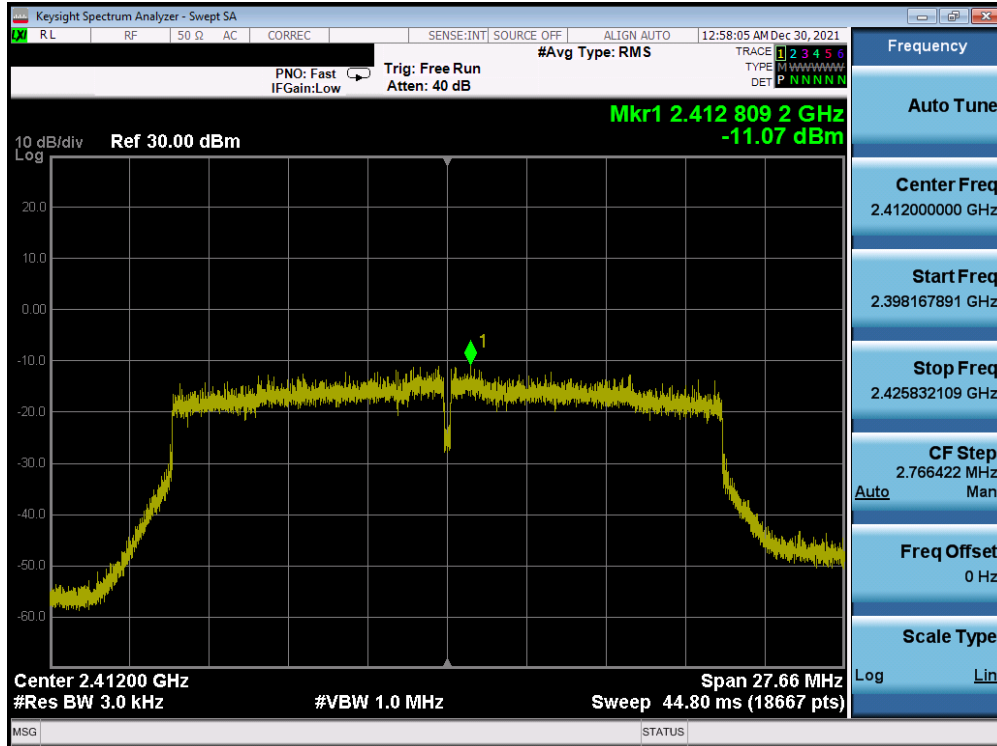


Plot 7-95. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 6) – MCS0

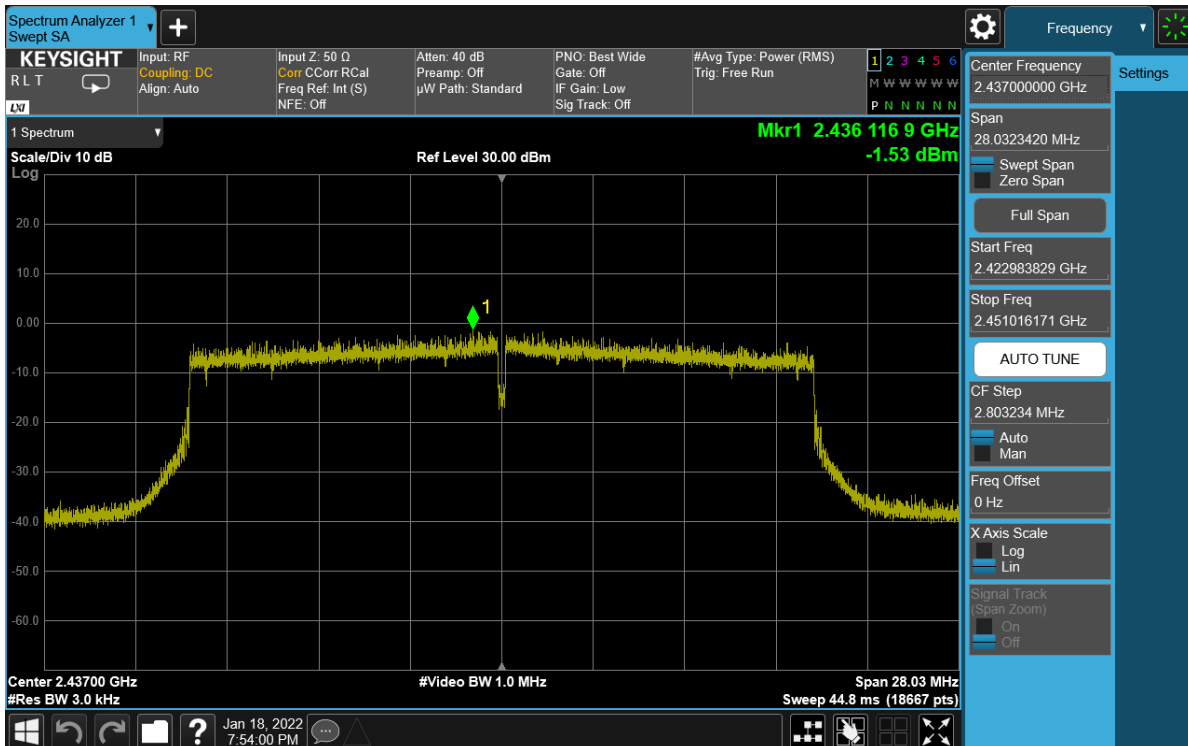


Plot 7-96. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 11) – MCS0

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 90 of 443

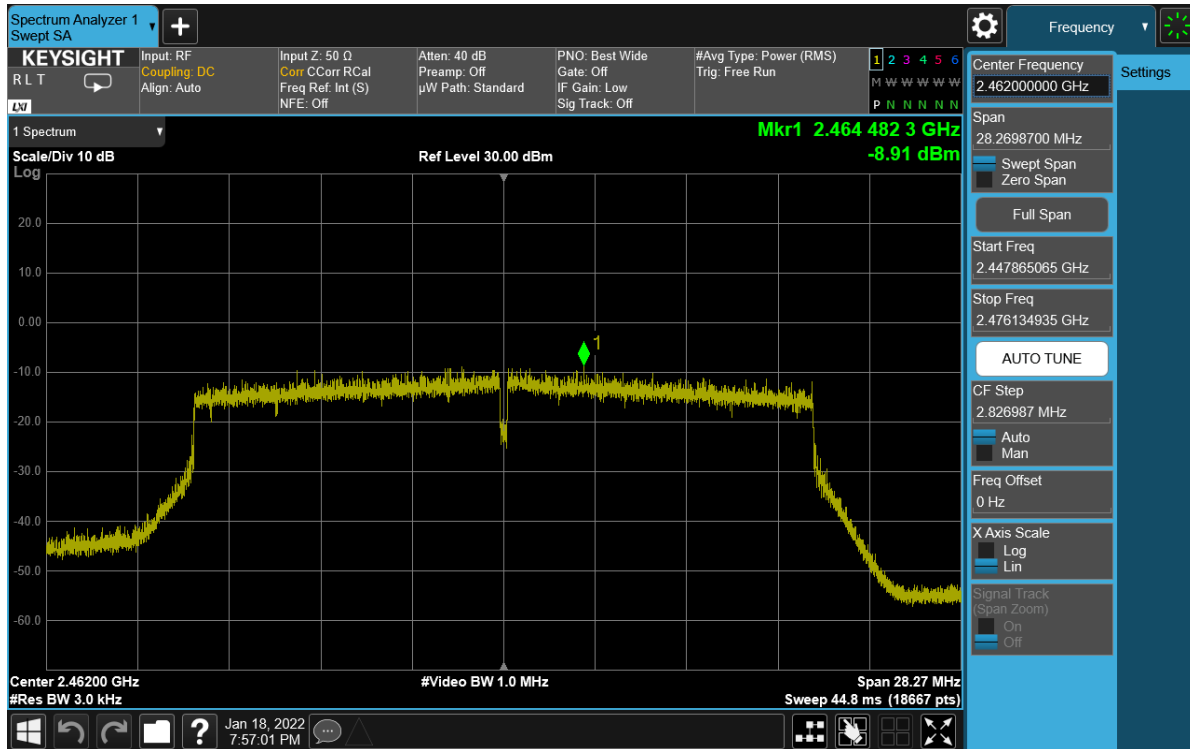


Plot 7-97. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0



Plot 7-98. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS0

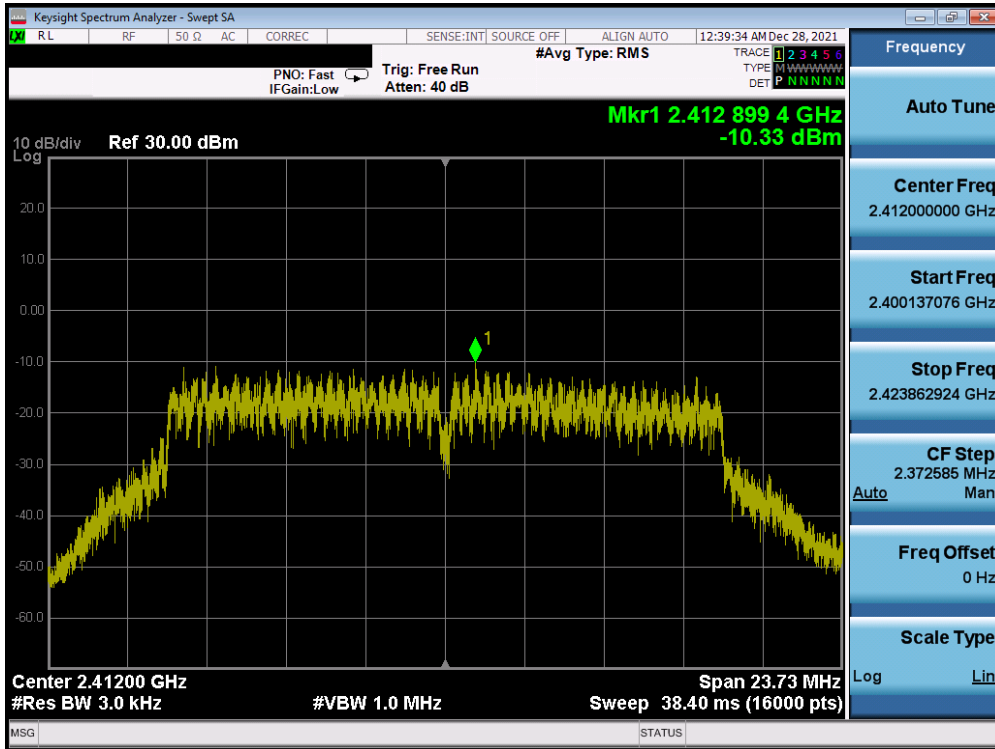
FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 91 of 443



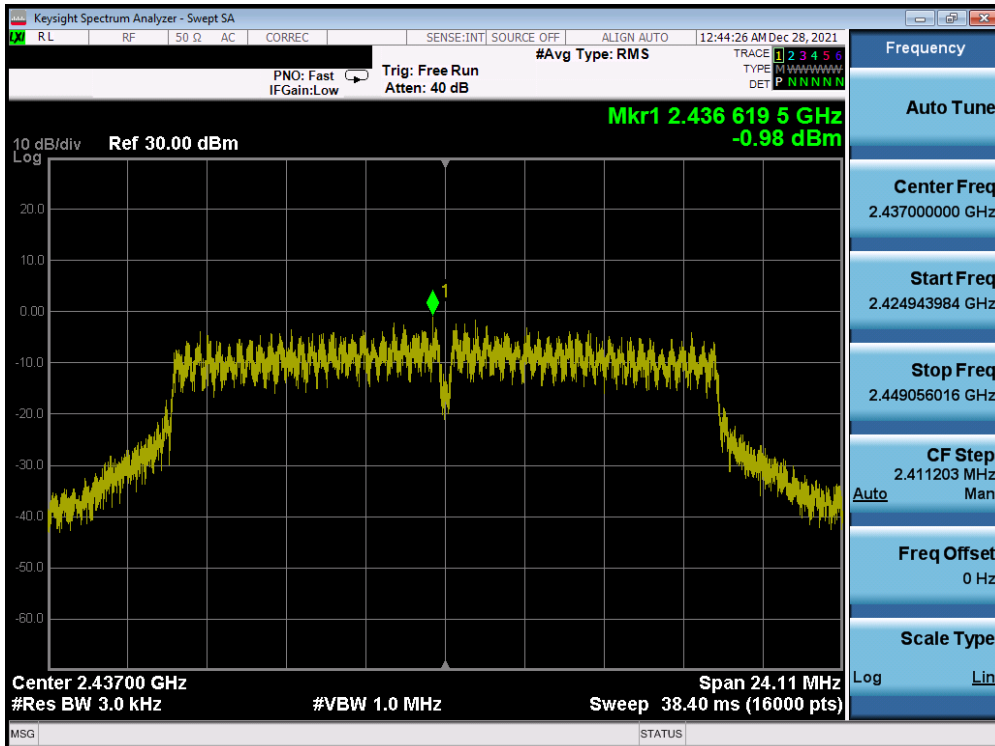
Plot 7-99. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 92 of 443

**Mid Data Rate**

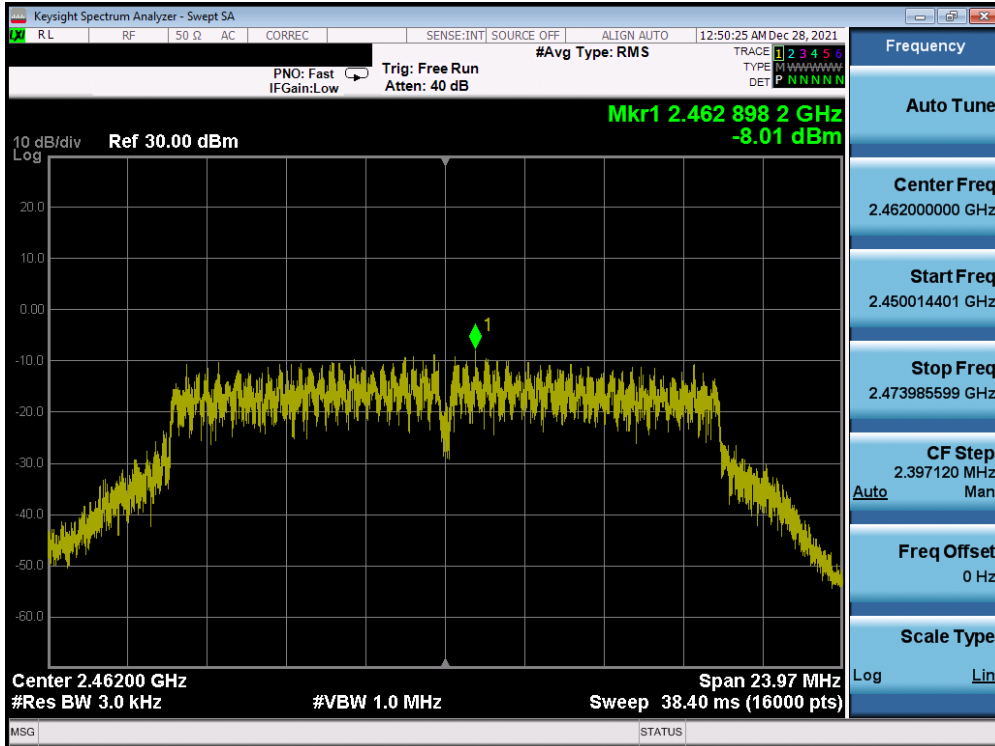


**Plot 7-100. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 1) – 18Mbps**

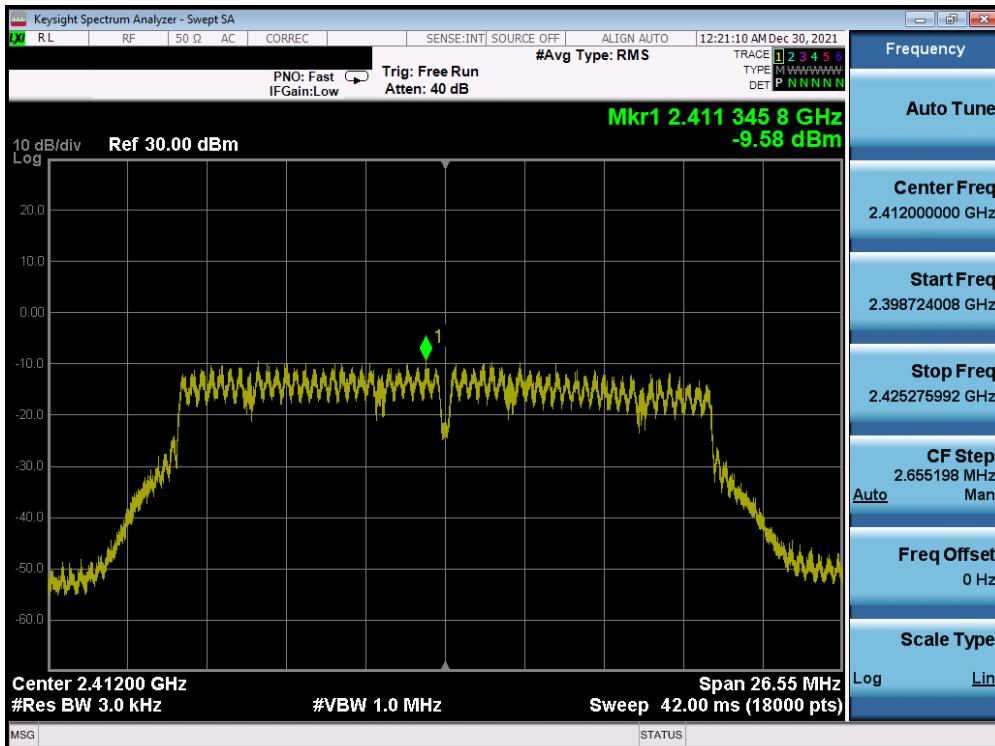


**Plot 7-101. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 6) – 18Mbps**

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 93 of 443

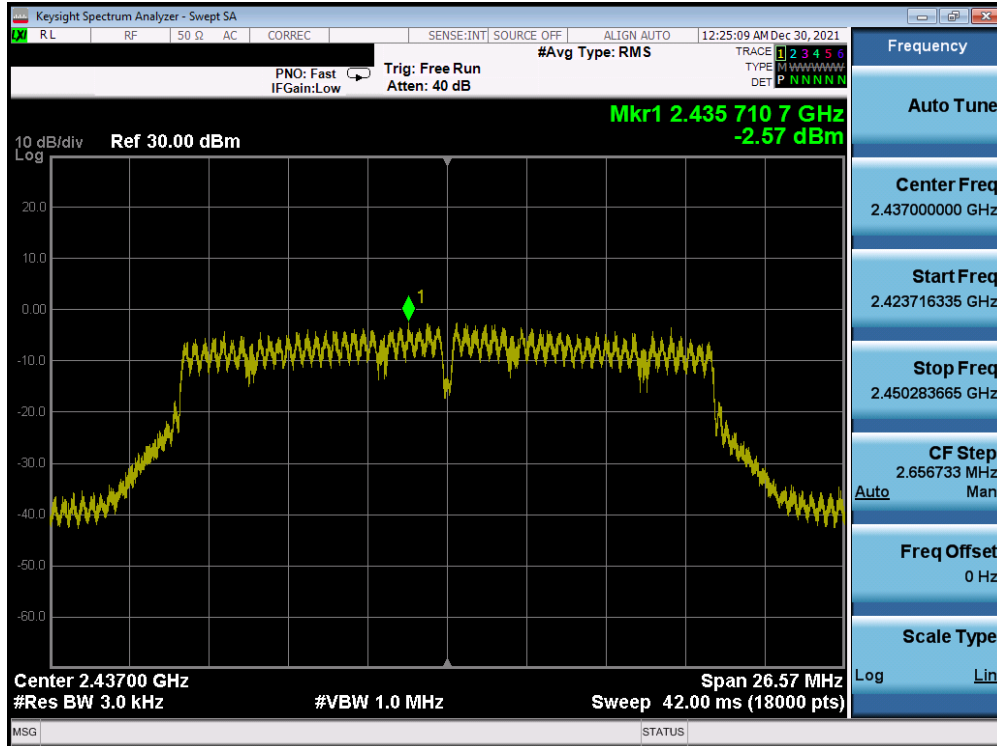


Plot 7-102. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 11) – 18Mbps

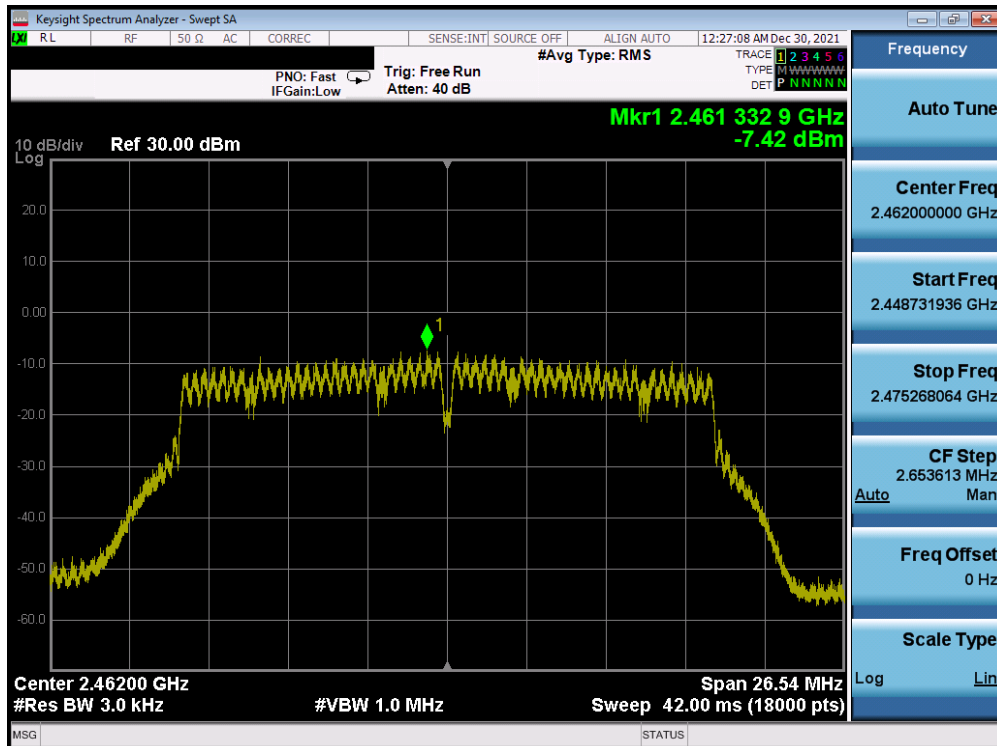


Plot 7-103. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 94 of 443



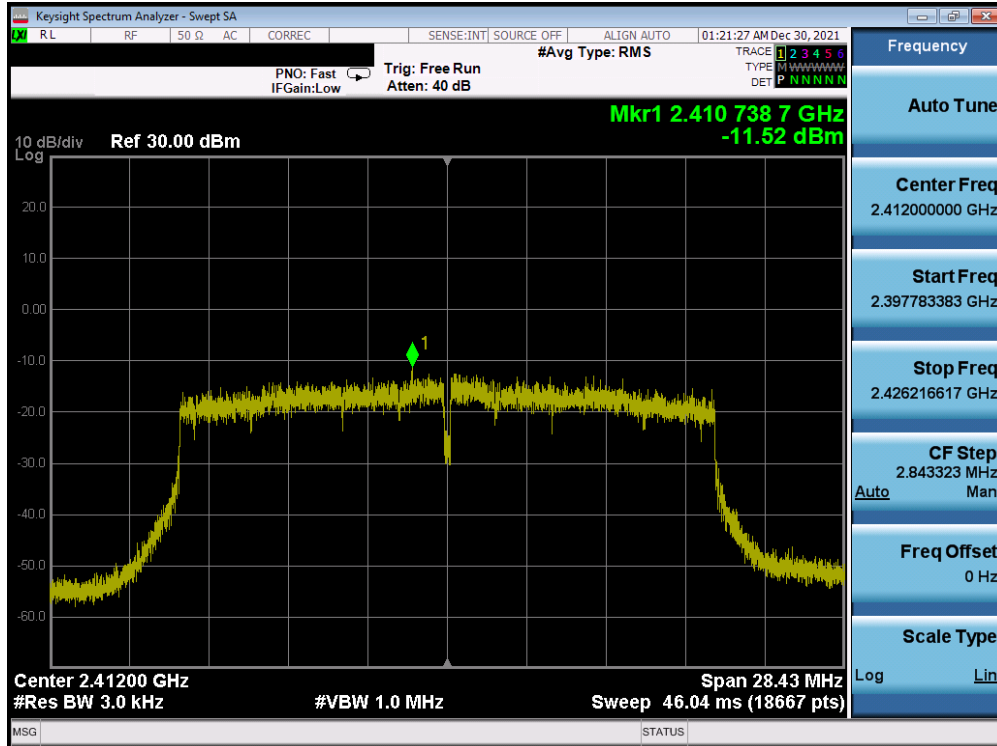
Plot 7-104. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 6) – MCS3



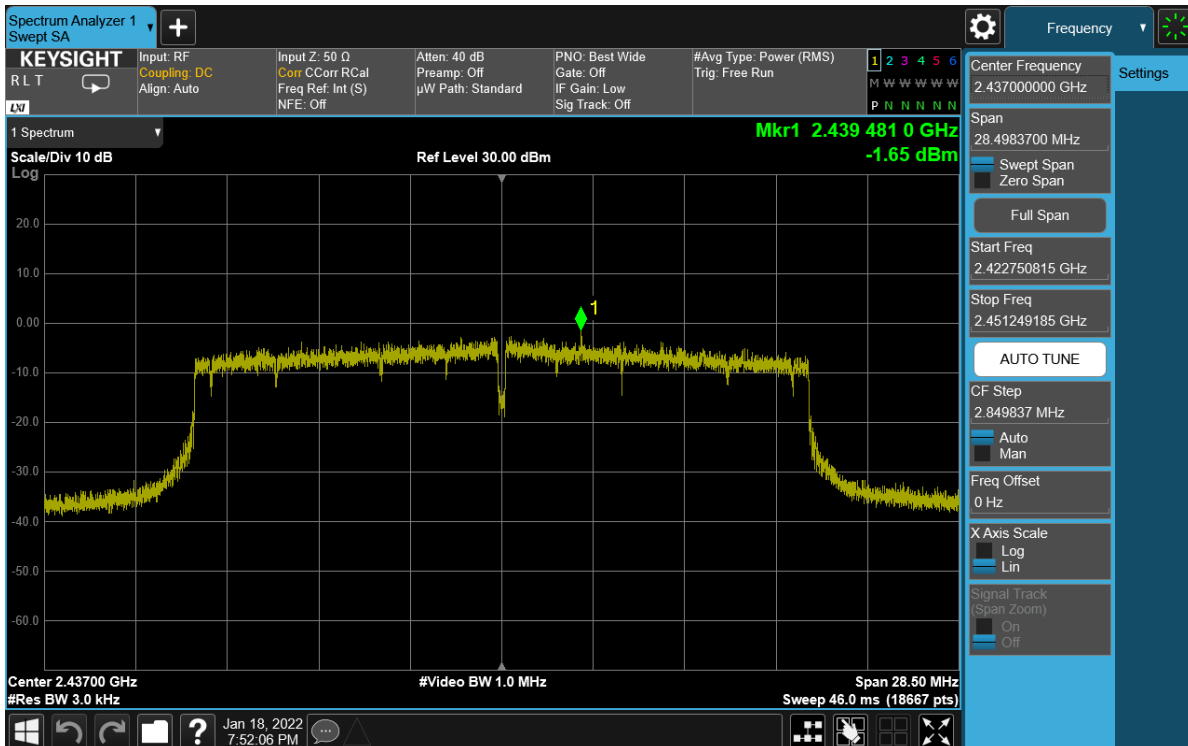
Plot 7-105. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 95 of 443



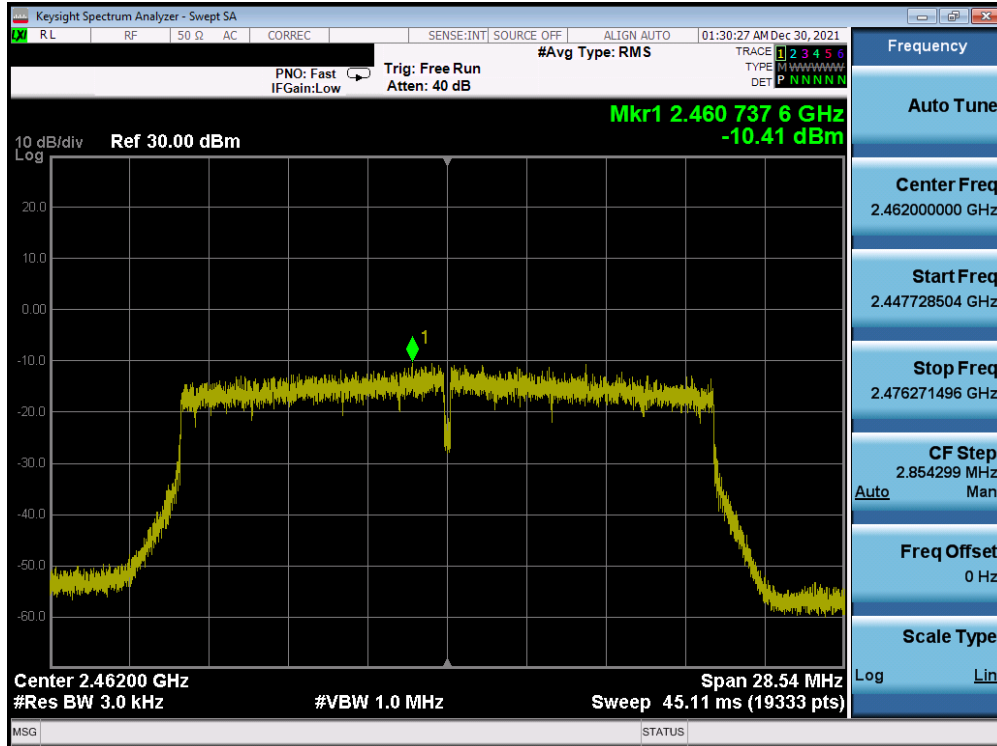


Plot 7-106. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3



Plot 7-107. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

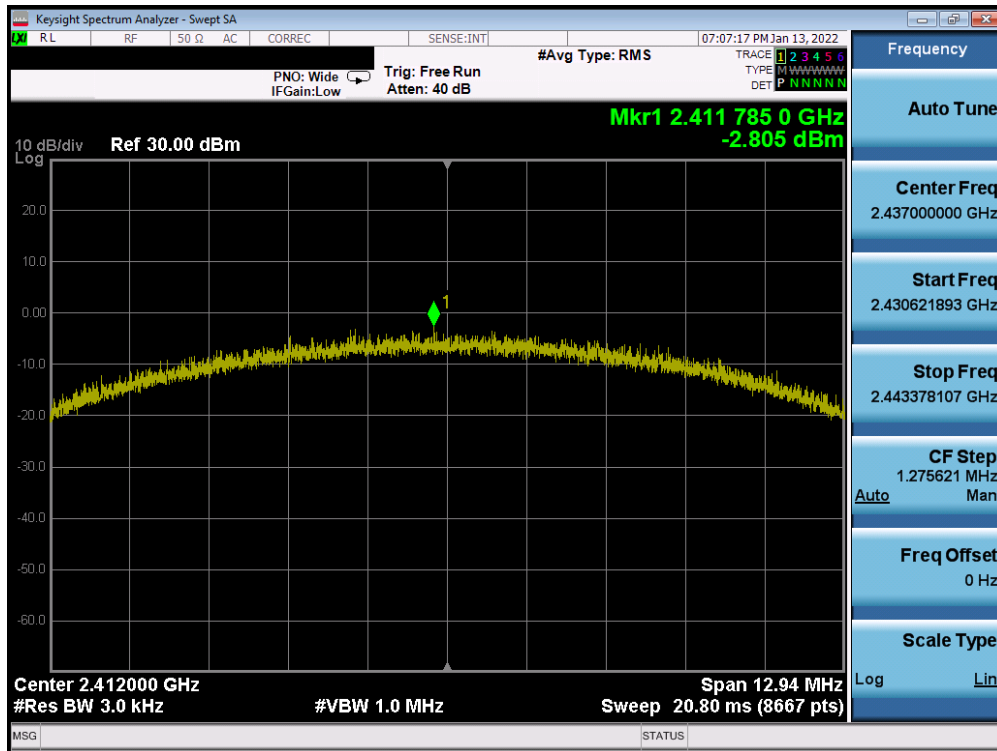
FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 96 of 443



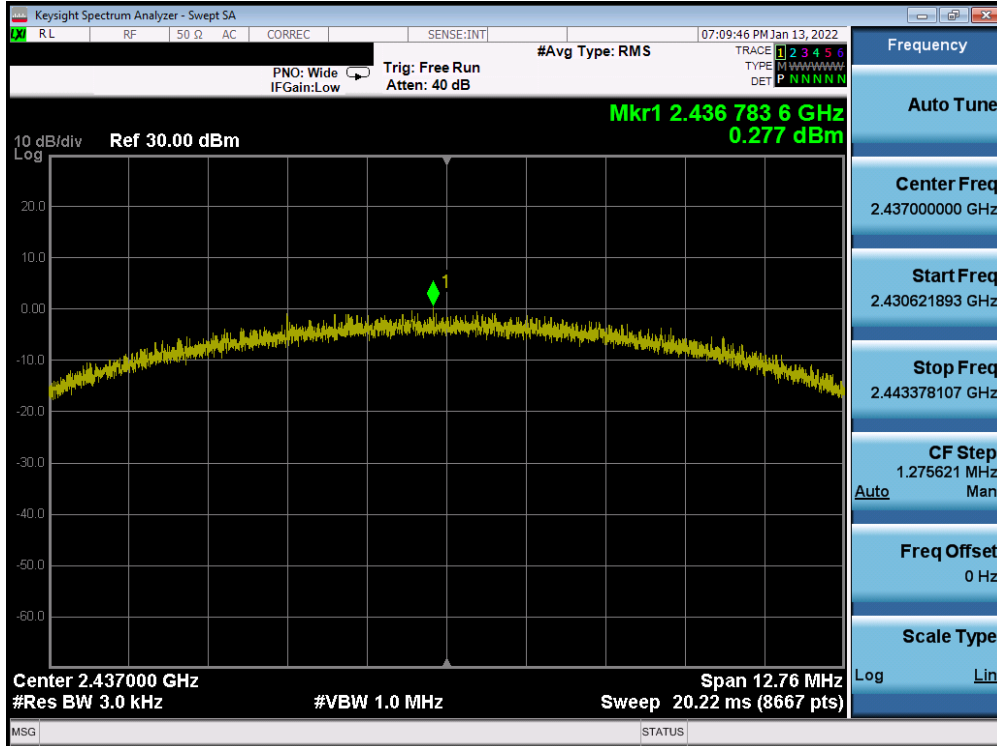
Plot 7-108. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3

<b>FCC ID:</b> BCGA2588 <b>IC:</b> 579C-A2588	 Proud to be part of element	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2111150078-01.BCG	<b>Test Dates:</b> 12/02/2021 - 02/04/2022	<b>EUT Type:</b> Tablet Device	Page 97 of 443

## High Data Rate

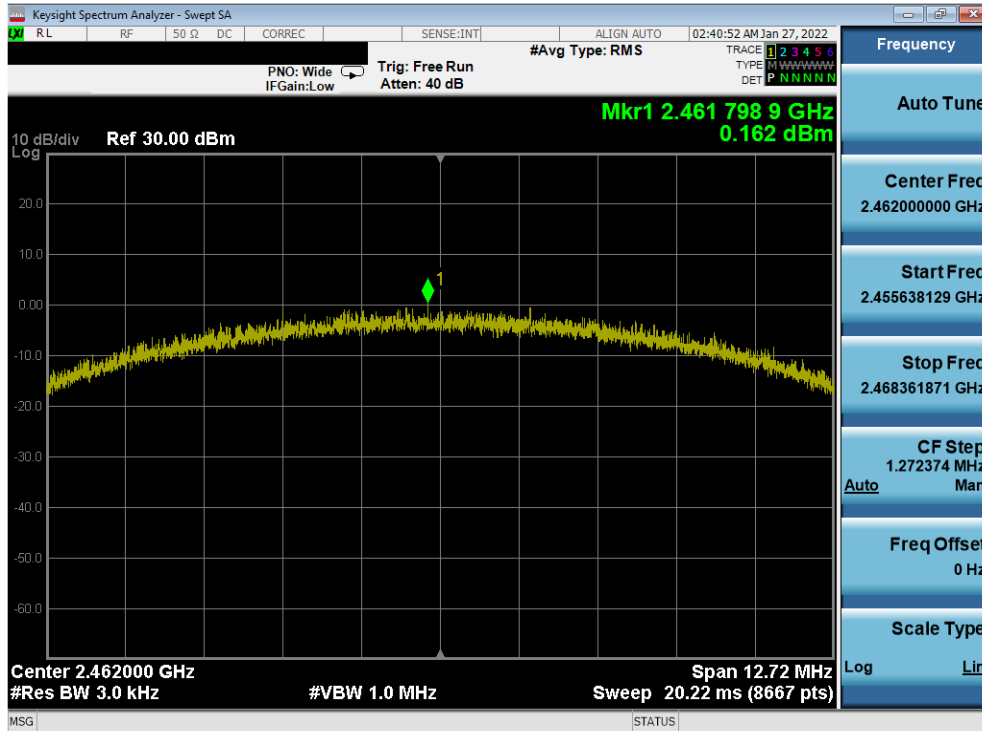


Plot 7-109. Power Spectral Density Plot Antenna WF7b (802.11b – Ch. 1) – 11Mbps

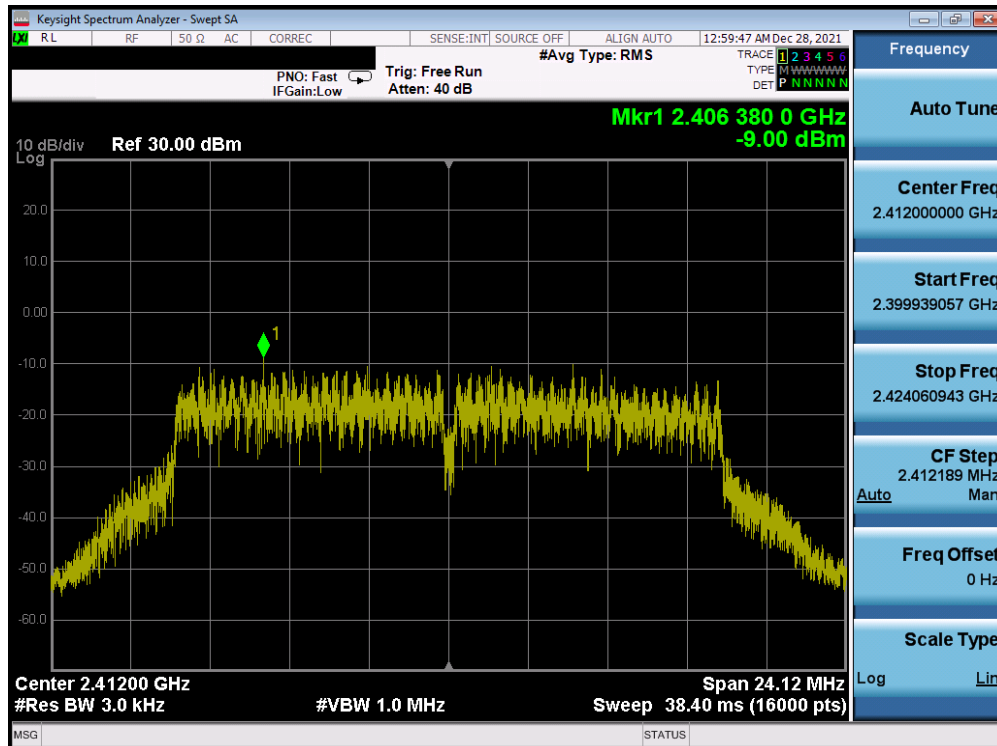


Plot 7-110. Power Spectral Density Plot Antenna WF7b (802.11b – Ch. 6) – 11Mbps

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 98 of 443

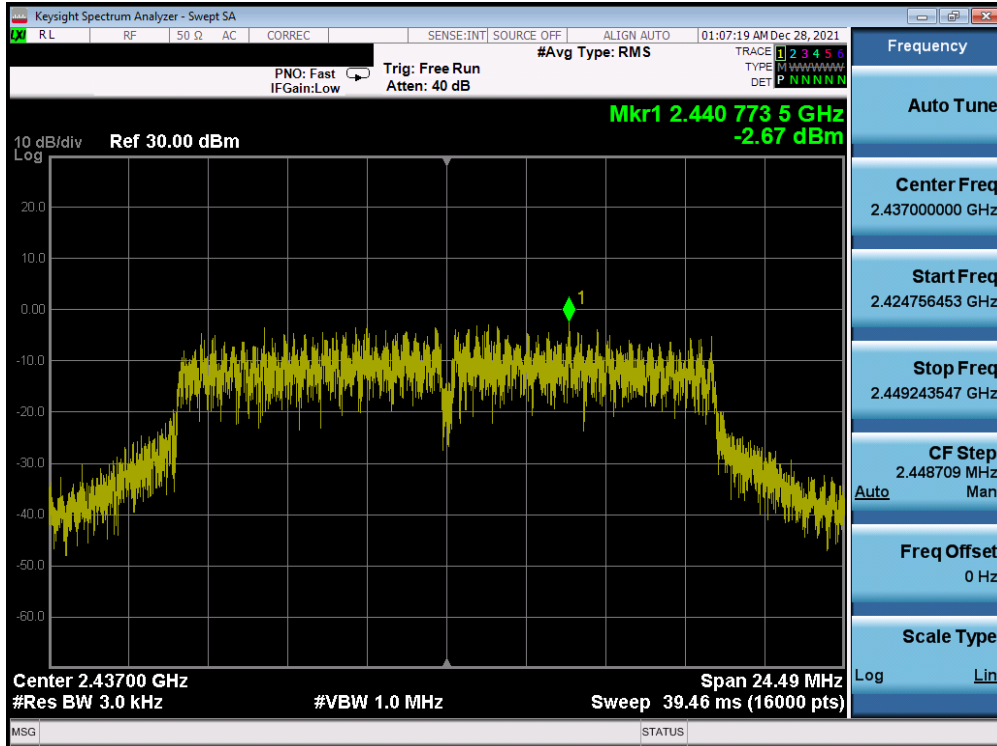


Plot 7-111. Power Spectral Density Plot Antenna WF7b (802.11b – Ch. 11) – 11Mbps

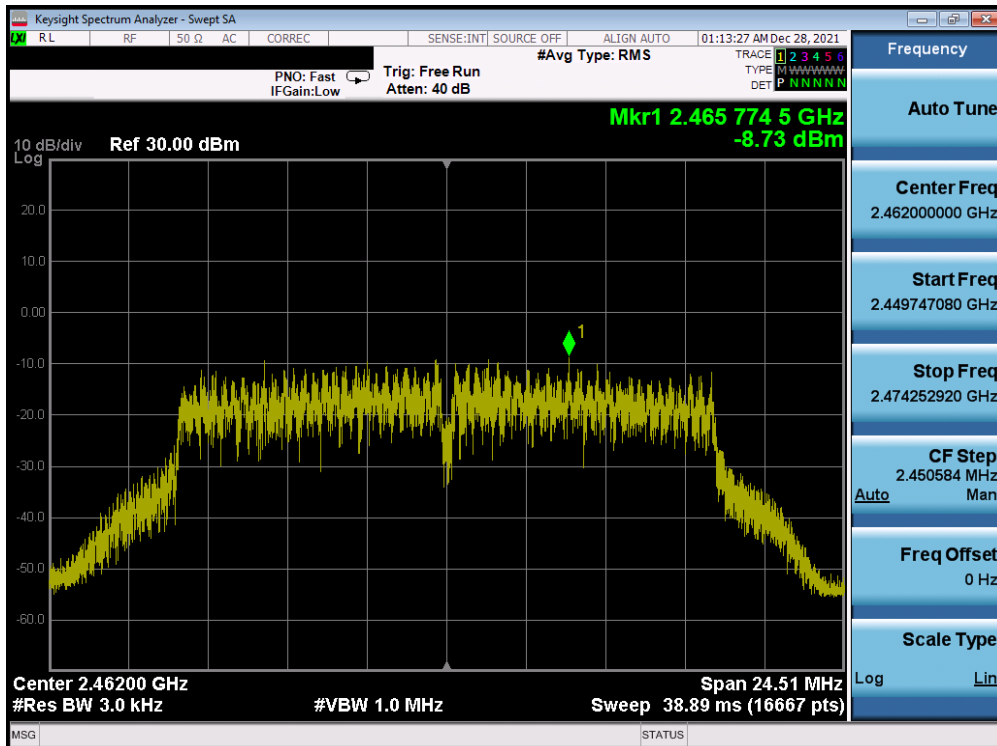


Plot 7-112. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 1) – 36Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 99 of 443

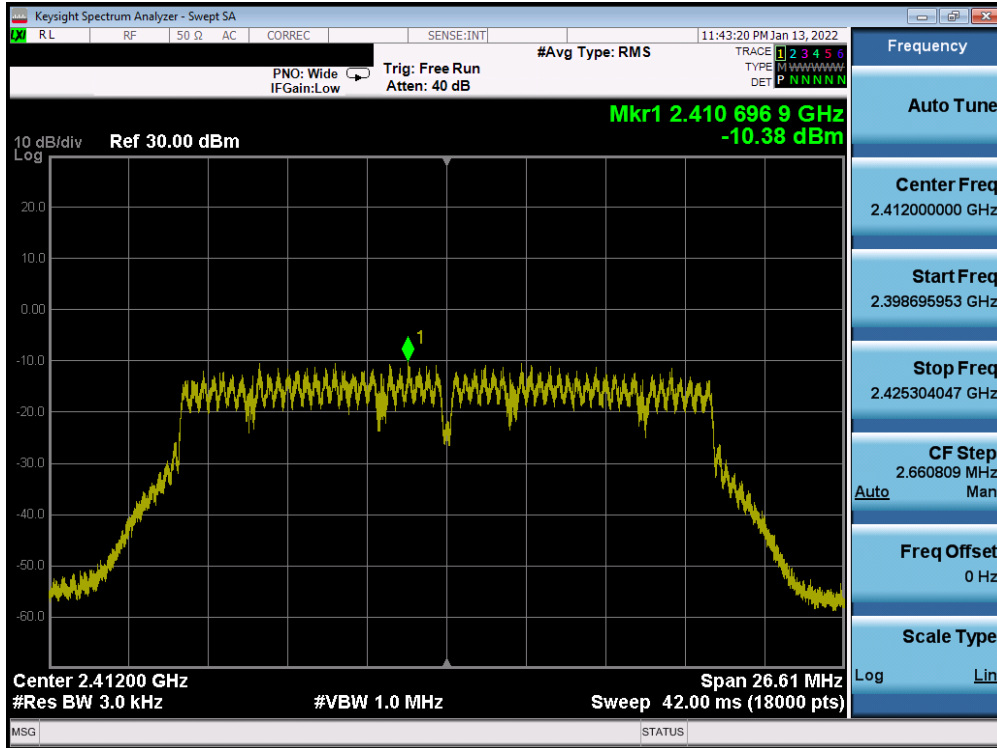


Plot 7-113. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 6) – 36Mbps

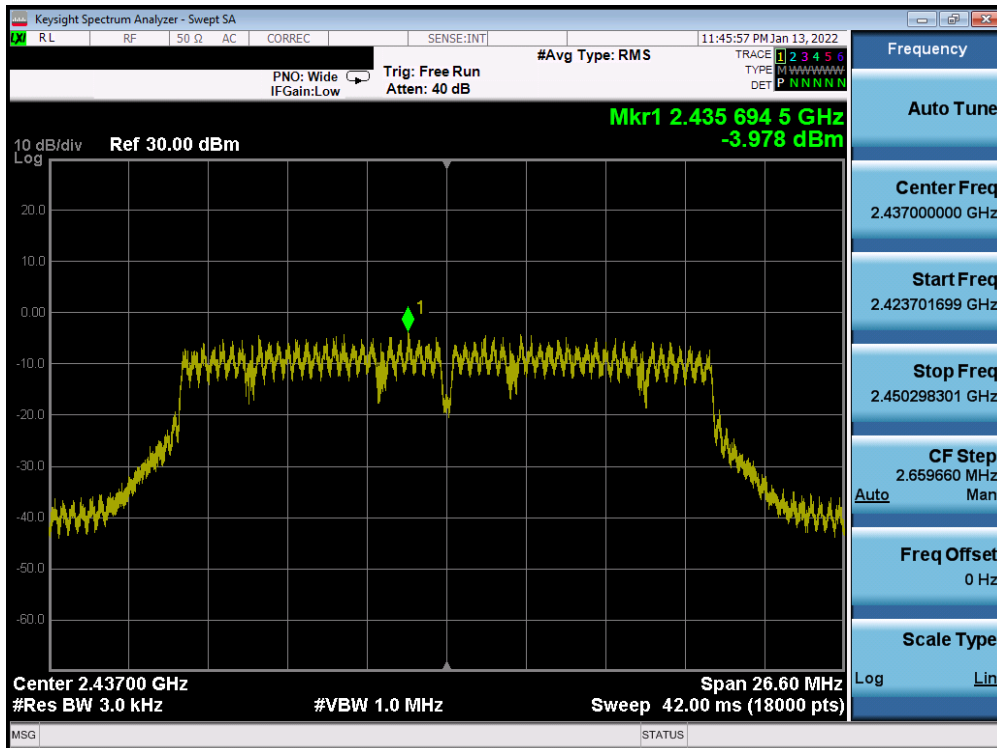


Plot 7-114. Power Spectral Density Plot Antenna WF7b (802.11g – Ch. 11) – 36Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 100 of 443

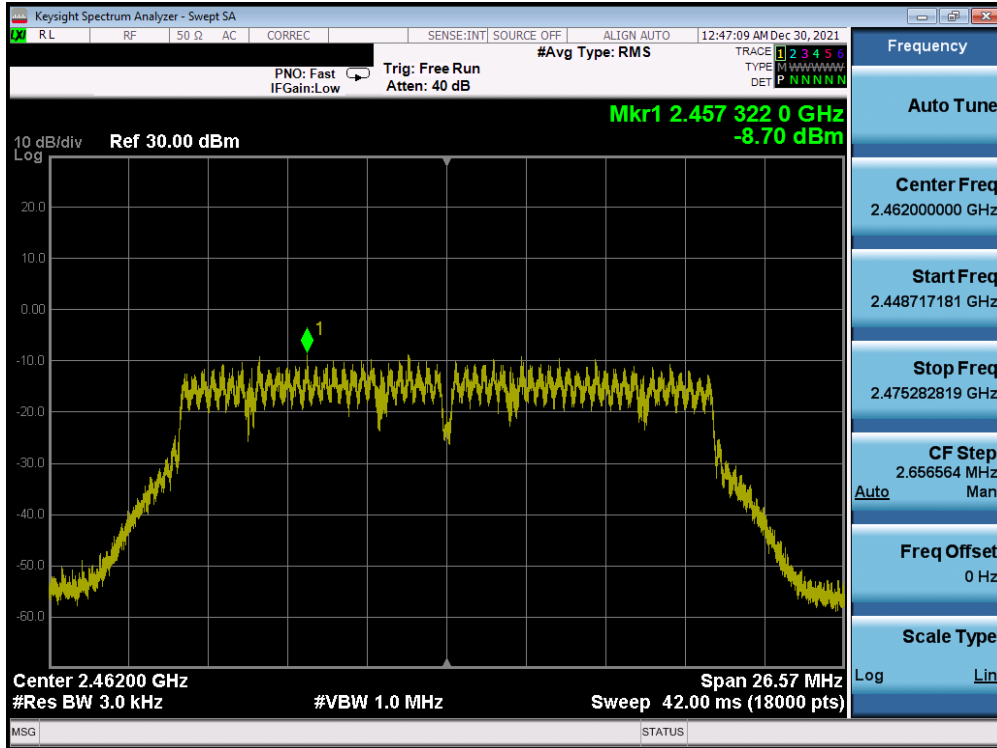


Plot 7-115. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 1) – MCS5

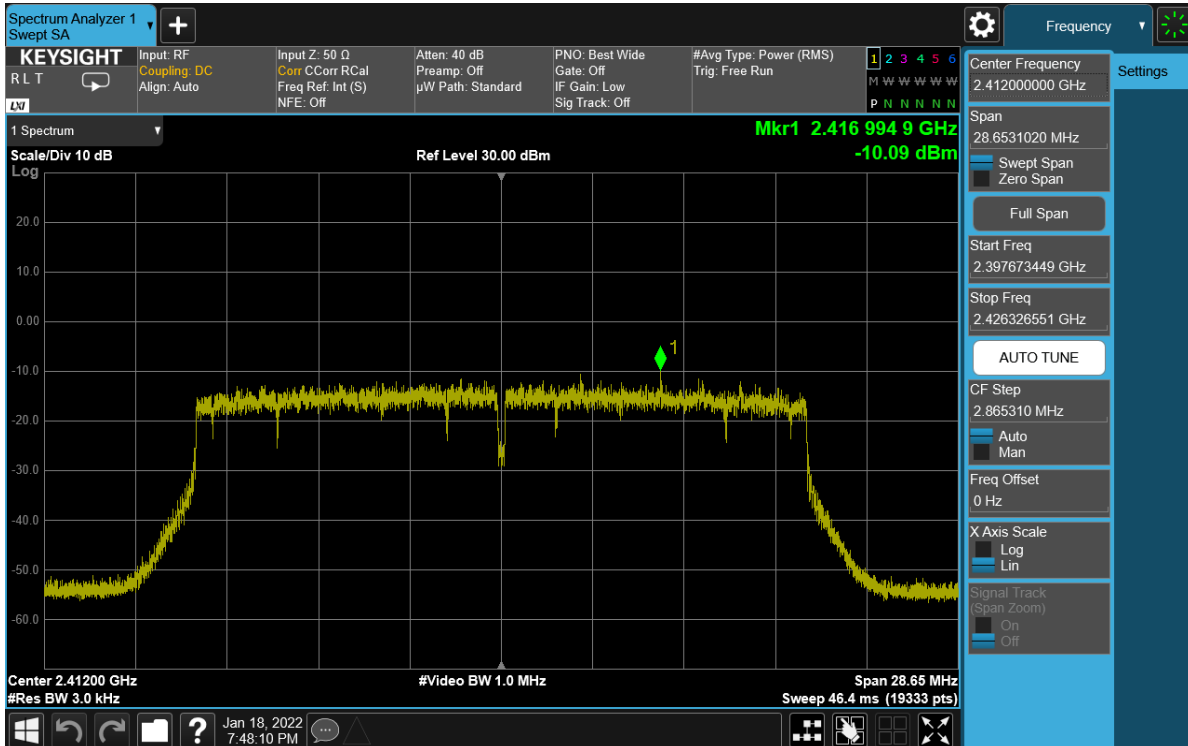


Plot 7-116. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 101 of 443

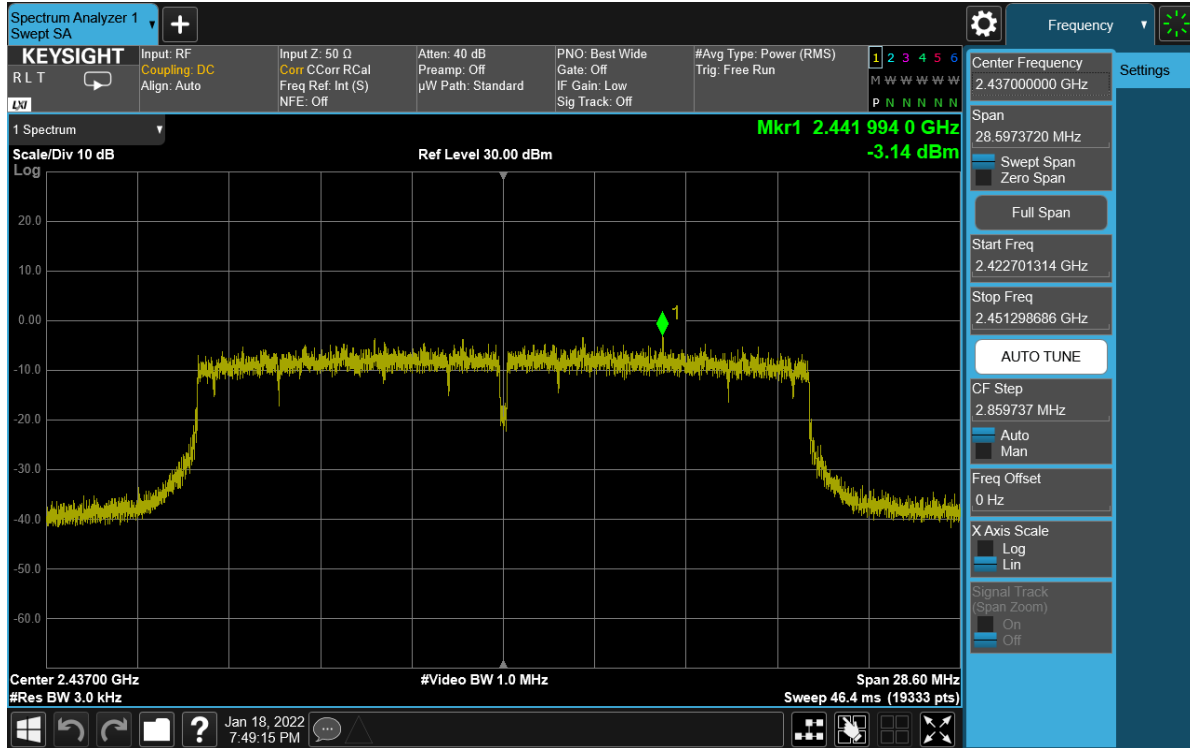


Plot 7-117. Power Spectral Density Plot Antenna WF7b (802.11n (2.4GHz) – Ch. 11) – MCS5

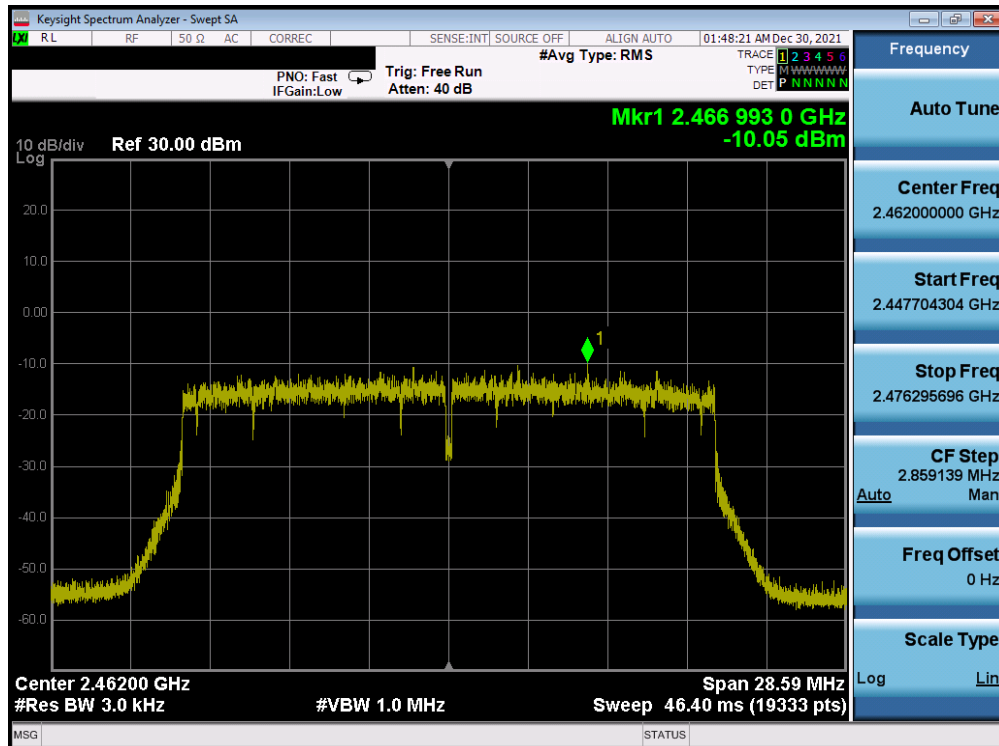


Plot 7-118. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 102 of 443



Plot 7-119. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5



Plot 7-120. Power Spectral Density Plot Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 103 of 443



## 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 WF8	Antenna WF7b	Summed CDD			
2412	1	g	6	-9.43	-9.22	-6.31	8.00	-14.31	Pass
2437	6	g	6	-1.14	-1.11	1.88	8.00	-6.12	Pass
2462	11	g	6	-7.31	-8.51	-4.86	8.00	-12.86	Pass
2412	1	n	13/14.4 (MCS8)	-8.55	-9.32	-5.91	8.00	-13.91	Pass
2437	6	n	13/14.4 (MCS8)	-1.37	-1.79	1.44	8.00	-6.56	Pass
2462	11	n	13/14.4 (MCS8)	-6.46	-8.28	-4.27	8.00	-12.27	Pass
2412	1	ax (SU)	16/17.2 (MCS0)	-10.66	-10.59	-7.61	8.00	-15.61	Pass
2437	6	ax (SU)	16/17.2 (MCS0)	-2.25	-2.66	0.56	8.00	-7.44	Pass
2462	11	ax (SU)	16/17.2 (MCS0)	-9.35	-9.13	-6.23	8.00	-14.23	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 WF8	Antenna WF7b	Summed CDD			
2412	1	g	18	-10.44	-10.47	-7.44	8.00	-15.44	Pass
2437	6	g	18	-1.96	-1.42	1.33	8.00	-6.67	Pass
2462	11	g	18	-8.78	-8.77	-5.76	8.00	-13.76	Pass
2412	1	n	52/57.8 (MCS11)	-9.15	-8.49	-5.80	8.00	-13.80	Pass
2437	6	n	52/57.8 (MCS11)	-1.77	-1.52	1.36	8.00	-6.64	Pass
2462	11	n	52/57.8 (MCS11)	-7.84	-7.27	-4.54	8.00	-12.54	Pass
2412	1	ax (SU)	66/68.8 (MCS3)	-11.84	-11.11	-8.45	8.00	-16.45	Pass
2437	6	ax (SU)	66/68.8 (MCS3)	-2.96	-4.10	-0.48	8.00	-8.48	Pass
2462	11	ax (SU)	66/68.8 (MCS3)	-10.27	-10.62	-7.43	8.00	-15.43	Pass

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

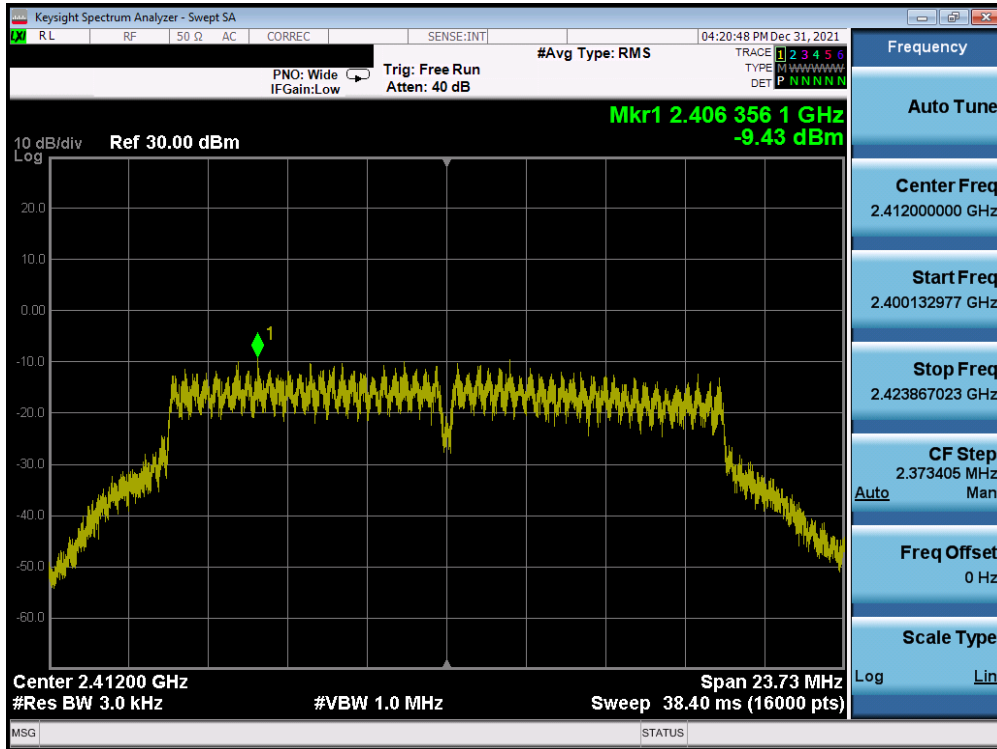
FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 104 of 443

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 WF8	Antenna WF7b	Summed CDD			
2412	1	g	36	-9.36	-8.59	-5.95	8.00	-13.95	Pass
2437	6	g	36	-3.40	-2.81	-0.08	8.00	-8.08	Pass
2462	11	g	36	-9.12	-8.97	-6.03	8.00	-14.03	Pass
2412	1	n	104/115.6 (MCS13)	-9.23	-9.11	-6.16	8.00	-14.16	Pass
2437	6	n	104/115.6 (MCS13)	-3.42	-2.86	-0.12	8.00	-8.12	Pass
2462	11	n	104/115.6 (MCS13)	-9.21	-8.86	-6.02	8.00	-14.02	Pass
2412	1	ax (SU)	130/137.6 (MCS5)	-11.82	-11.53	-8.66	8.00	-16.66	Pass
2437	6	ax (SU)	130/137.6 (MCS5)	-5.20	-4.48	-1.82	8.00	-9.82	Pass
2462	11	ax (SU)	130/137.6 (MCS5)	-11.65	-11.56	-8.59	8.00	-16.59	Pass

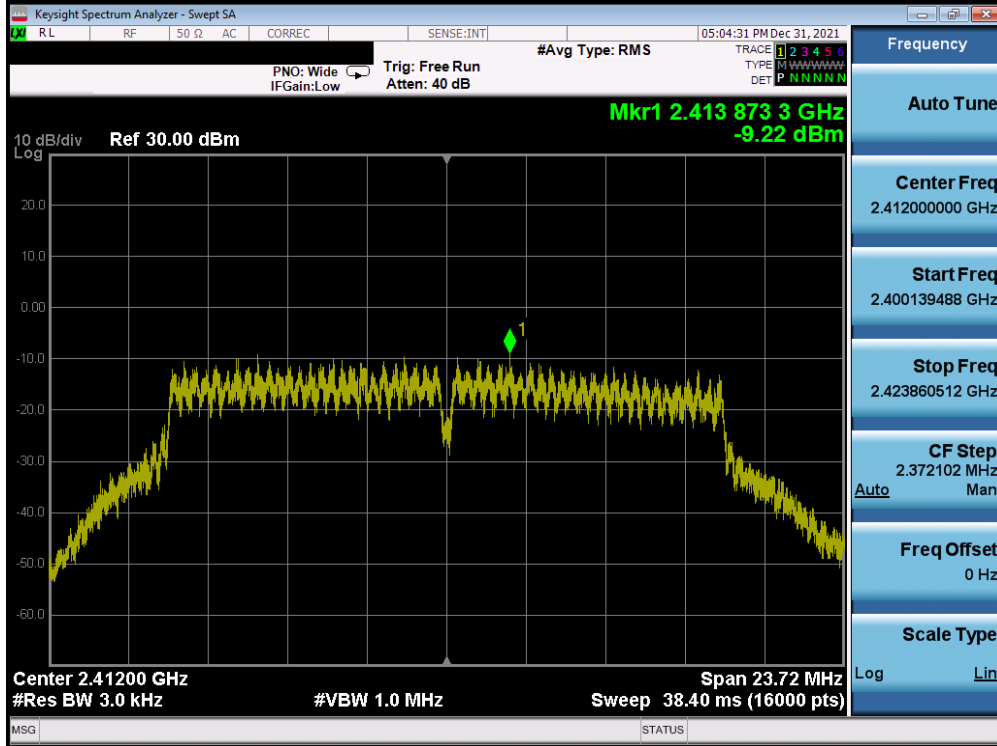
**Table 7-46.CDD Conducted Power Density Measurements (High Data Rate)**

<b>FCC ID:</b> BCGA2588 <b>IC:</b> 579C-A2588	 <b>PCTEST</b> Proud to be part of 	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2111150078-01.BCG	<b>Test Dates:</b> 12/02/2021 - 02/04/2022	<b>EUT Type:</b> Tablet Device	Page 105 of 443

### Low Data Rate

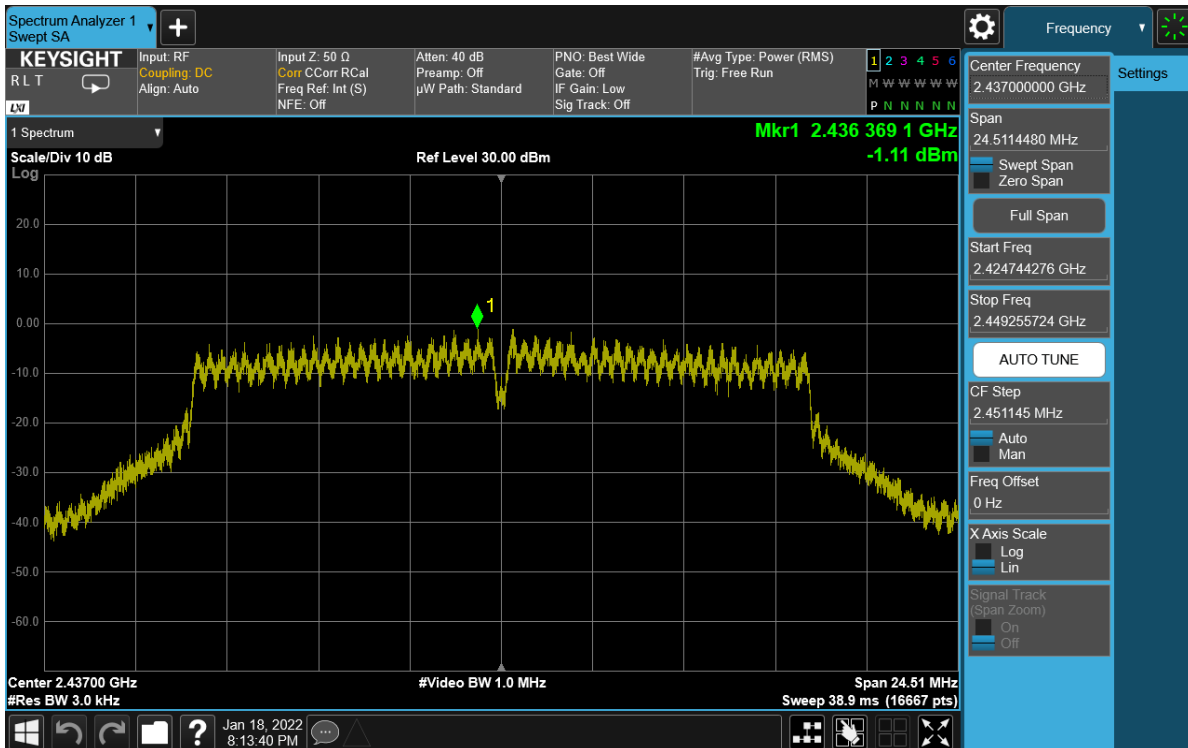
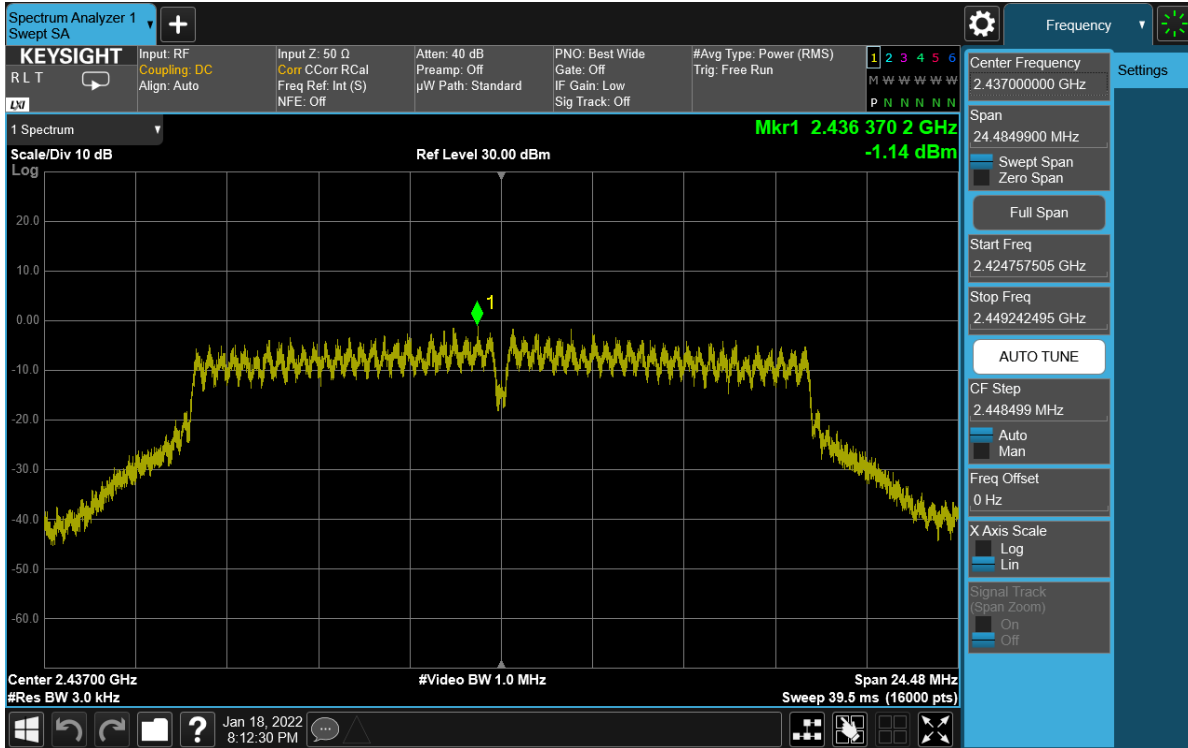


Plot 7-121. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 1) – 6Mbps

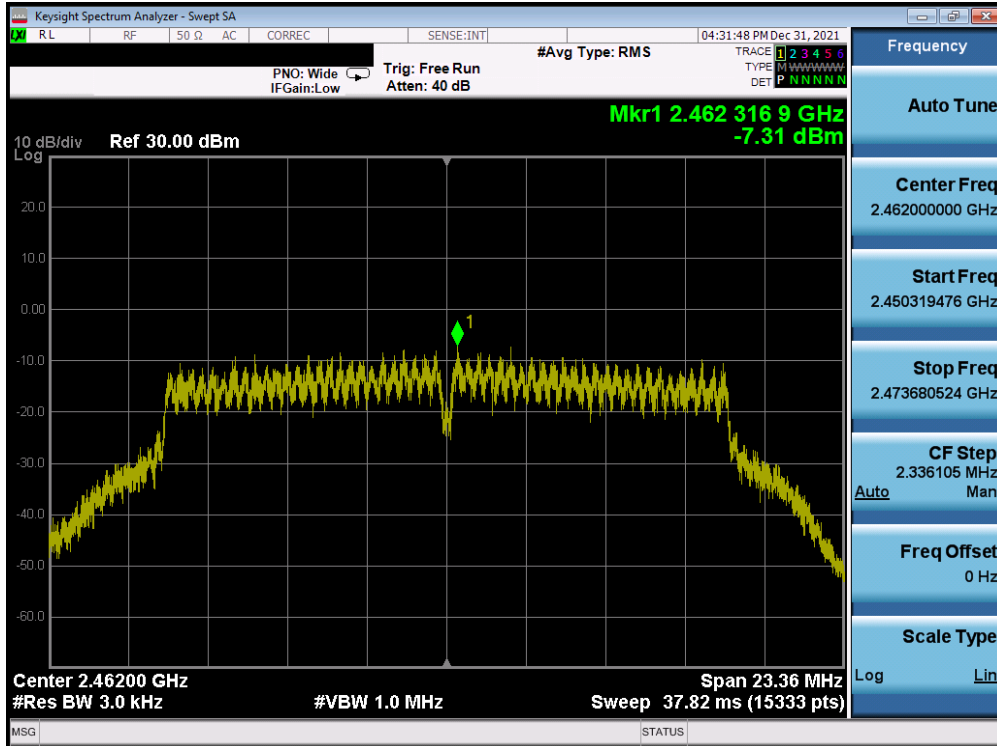


Plot 7-122. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 1) – 6Mbps

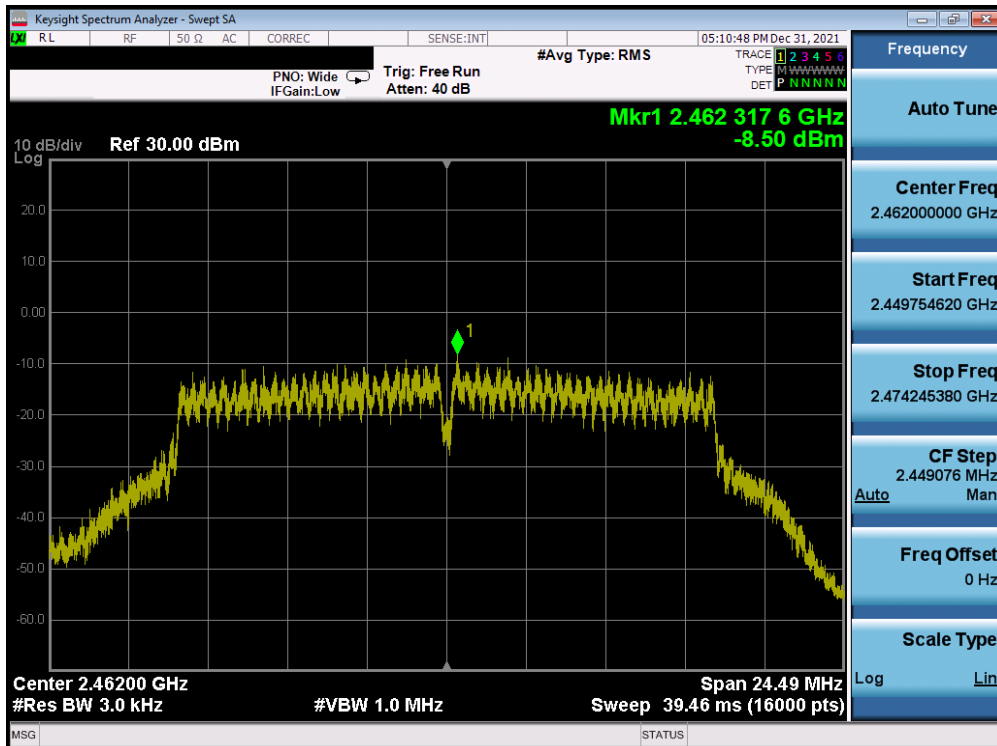
FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 106 of 443



FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2111150078-01.BCG	<b>Test Dates:</b> 12/02/2021 - 02/04/2022	<b>EUT Type:</b> Tablet Device	Page 107 of 443

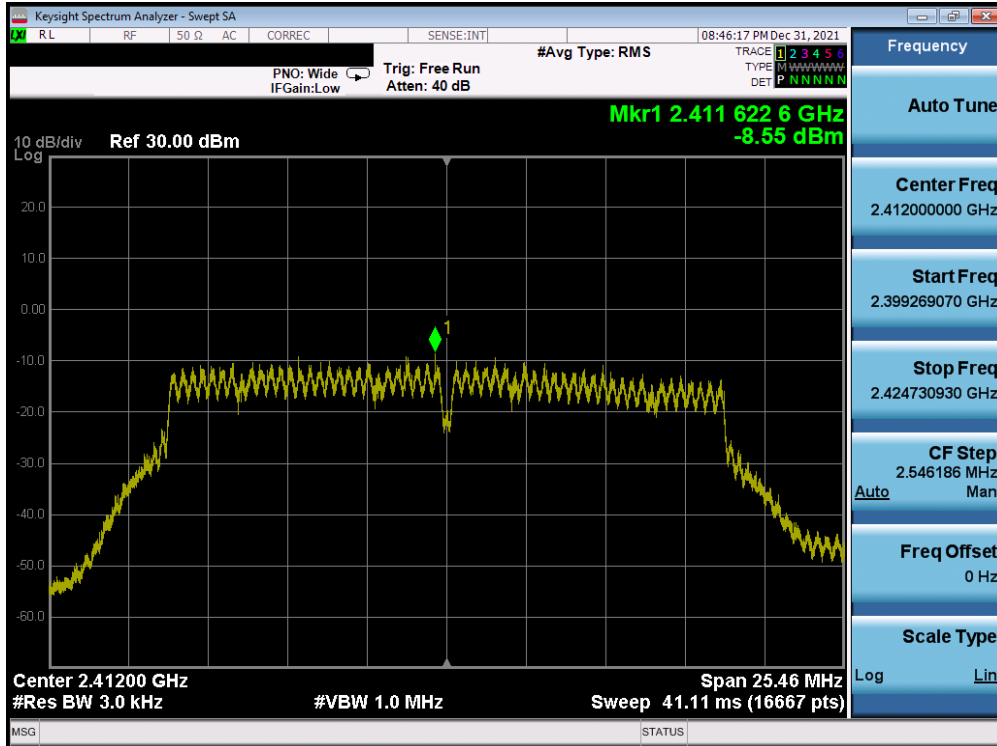


Plot 7-125. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 11) – 6Mbps

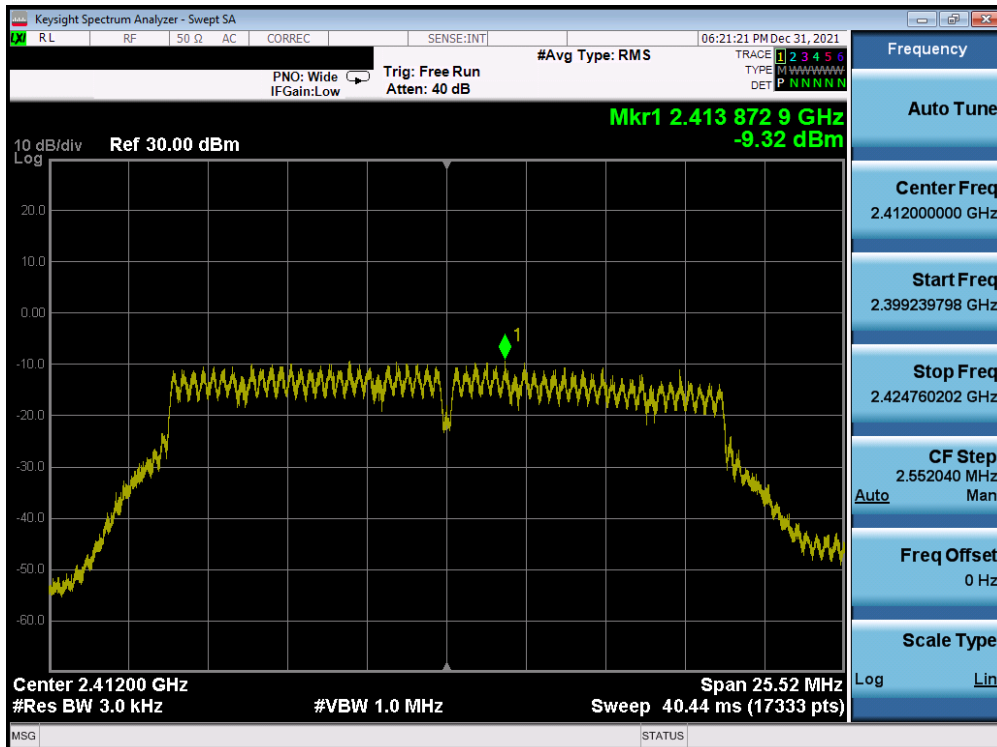


Plot 7-126. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 11) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 108 of 443

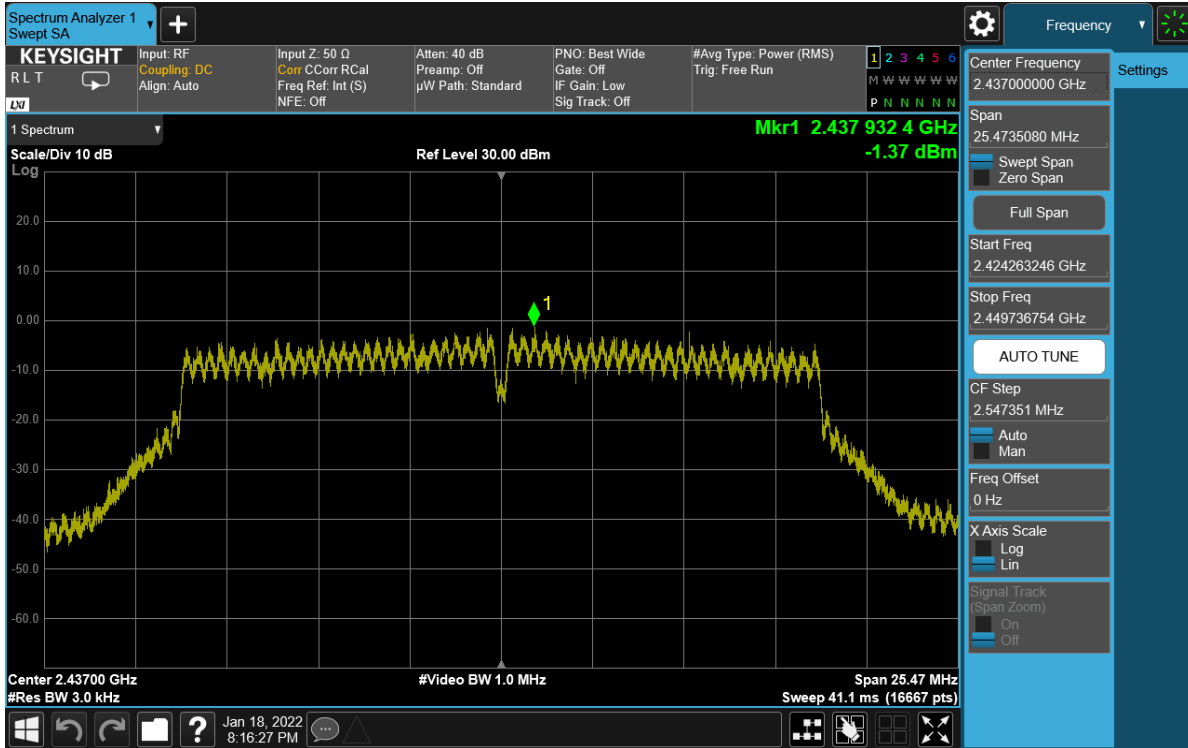


Plot 7-127. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 1) – MCS8

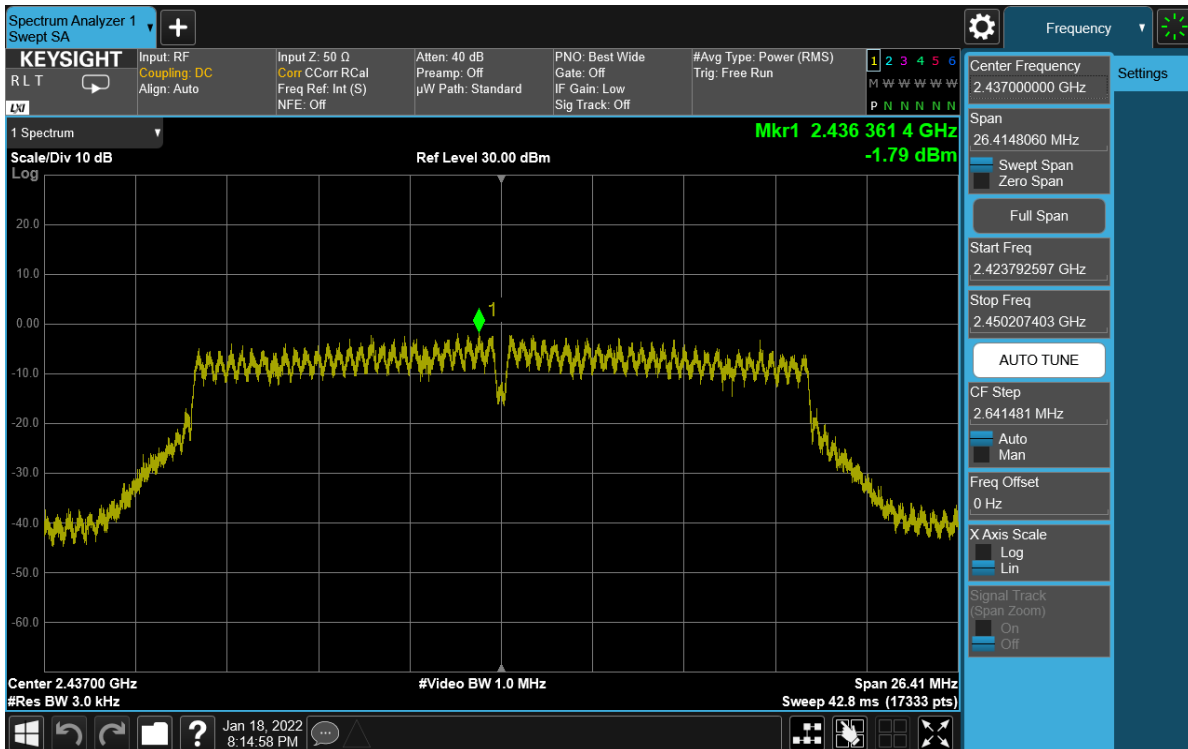


Plot 7-128. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 1) – MCS8

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 109 of 443

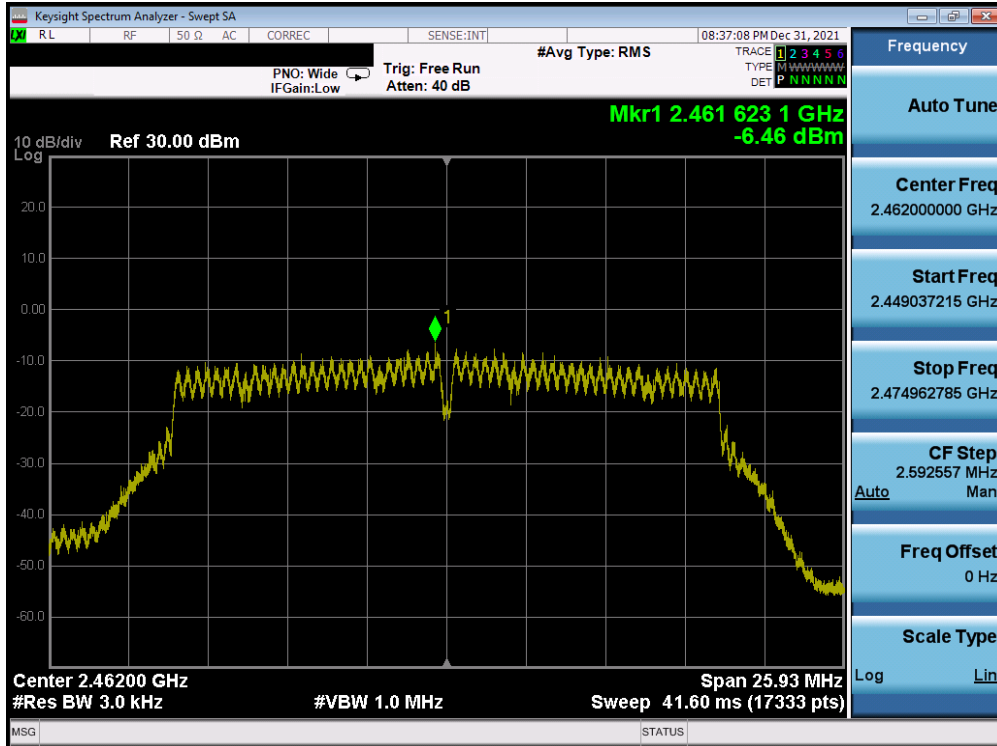


Plot 7-129. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 6) – MCS8

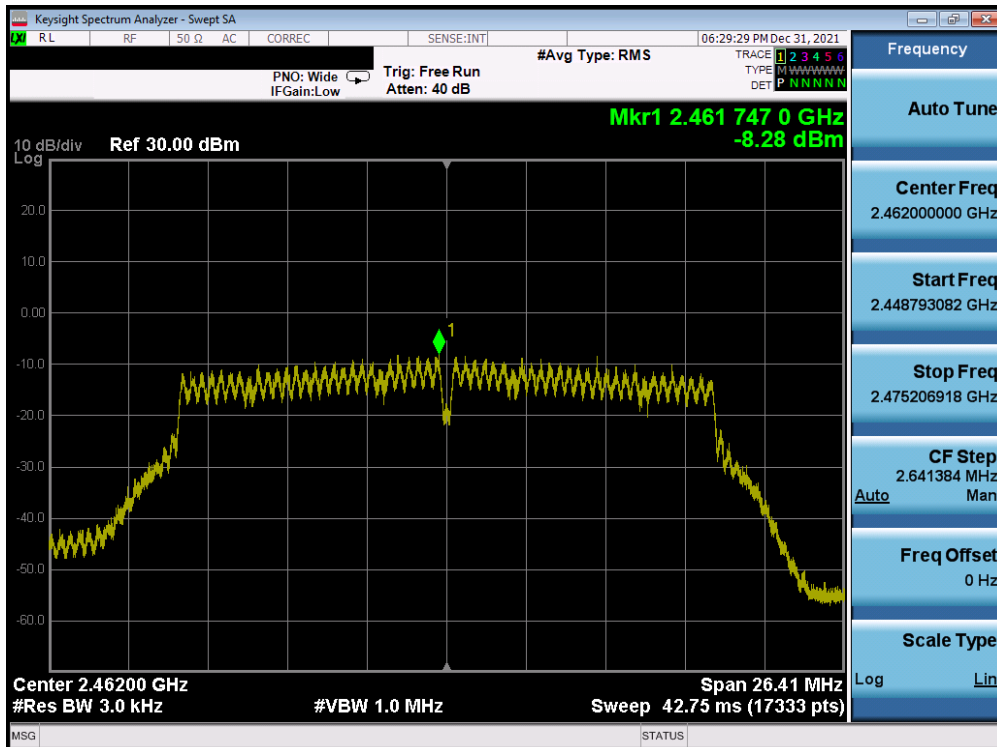


Plot 7-130. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 6) – MCS8

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 110 of 443



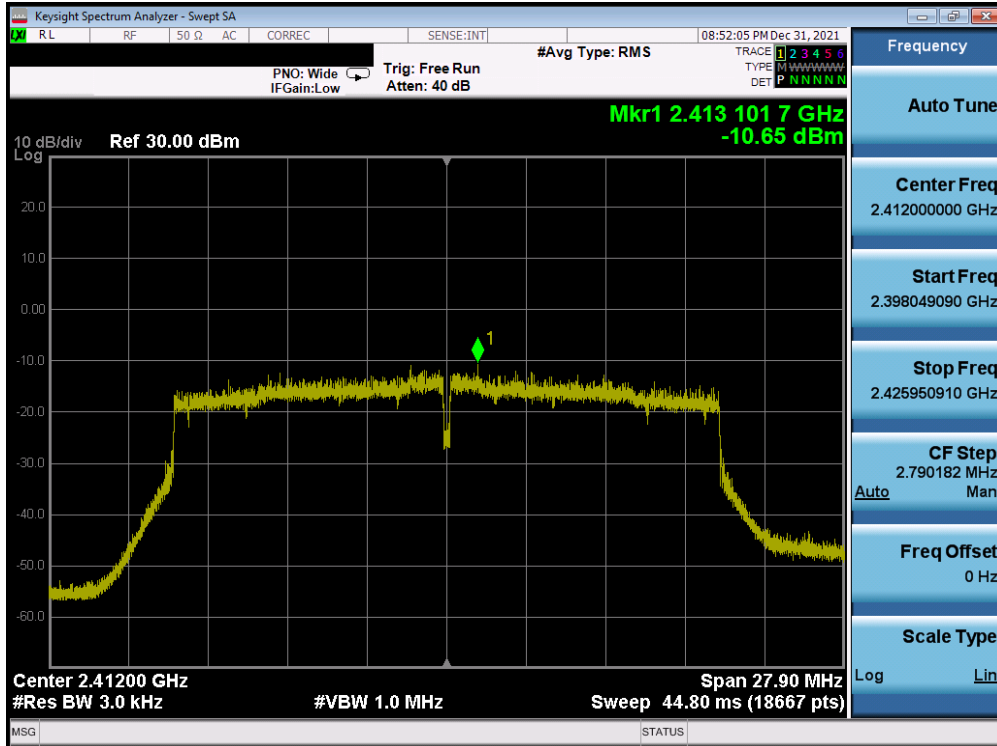
Plot 7-131. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 11) – MCS8



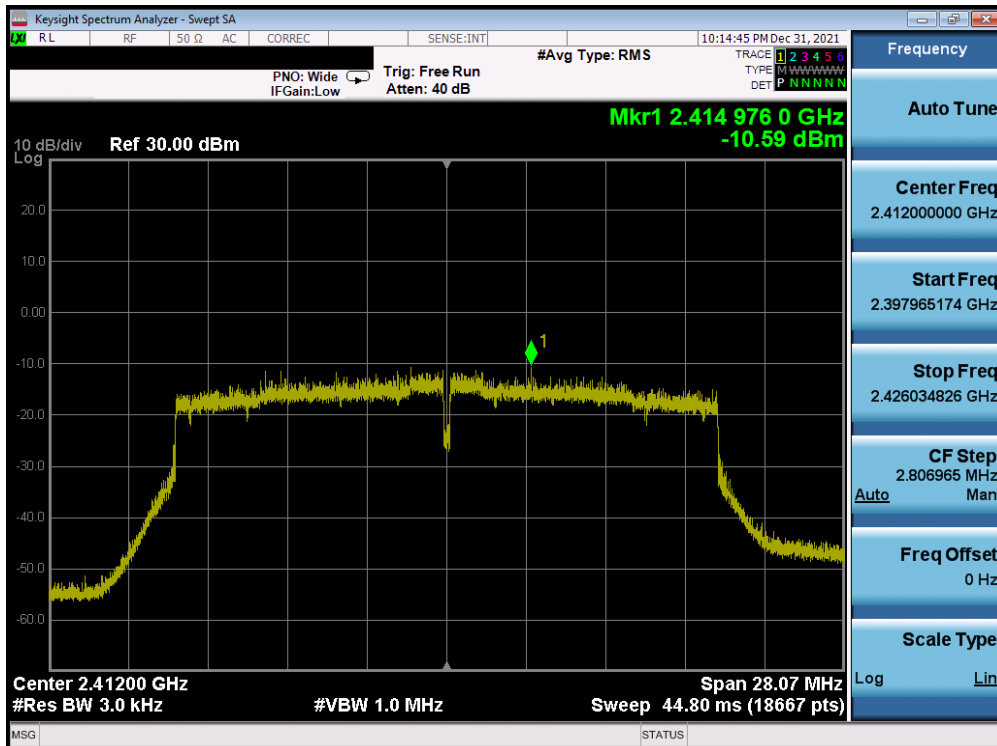
Plot 7-132. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 11) – MCS8

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 111 of 443



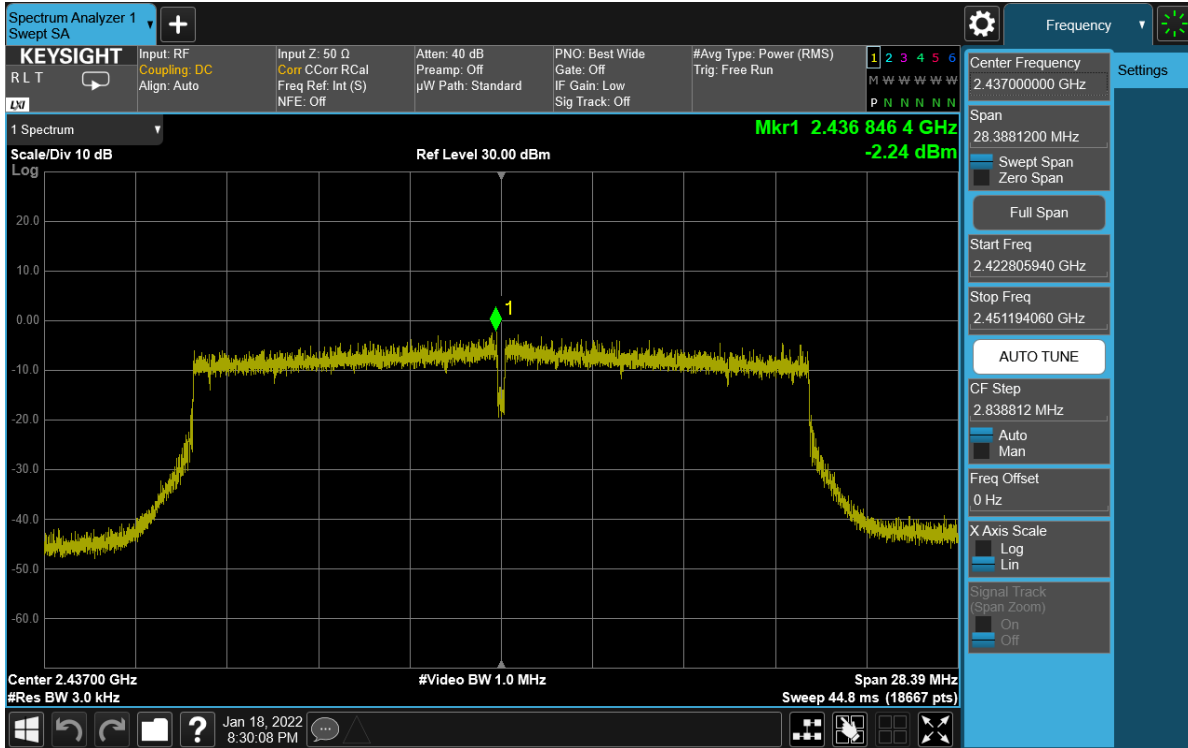


Plot 7-133. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0

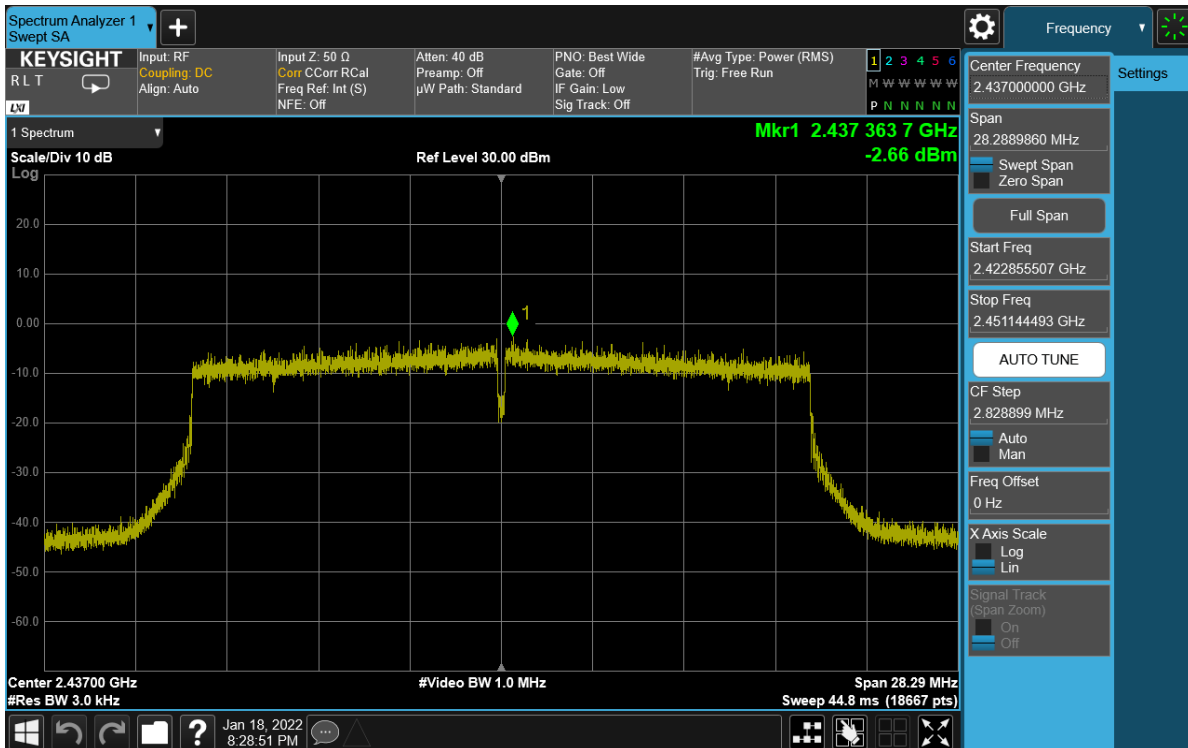


Plot 7-134. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 112 of 443

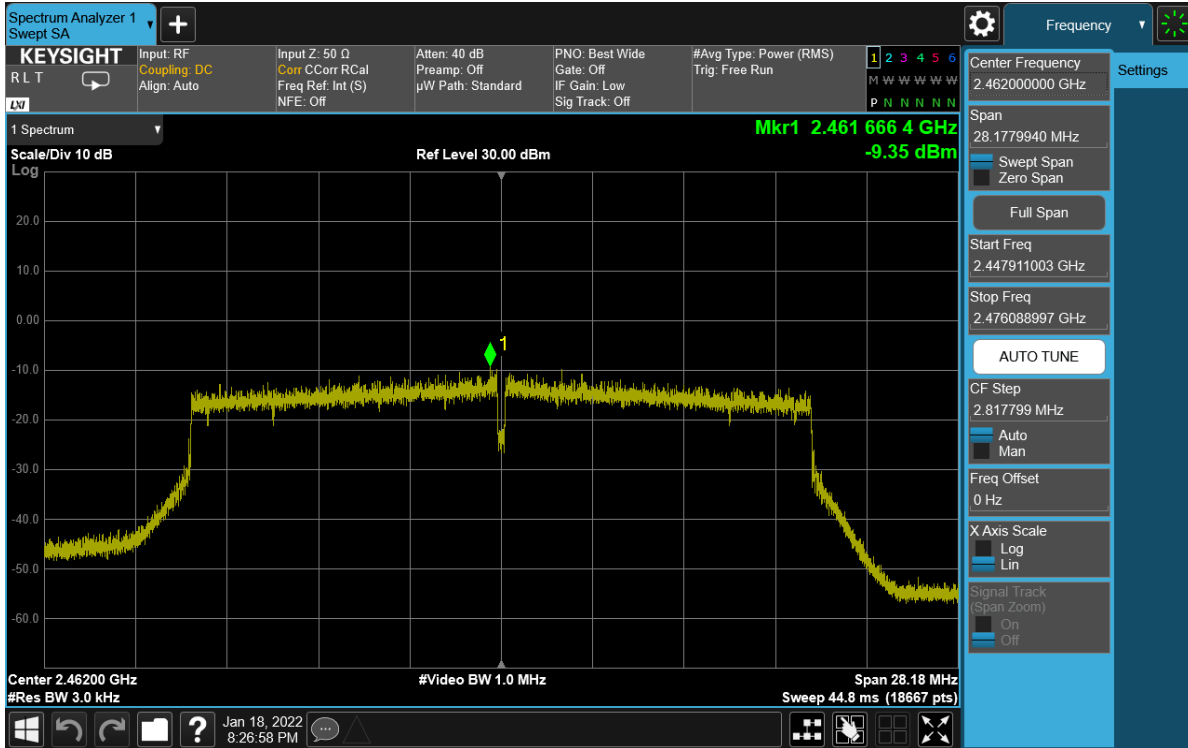


Plot 7-135. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS0

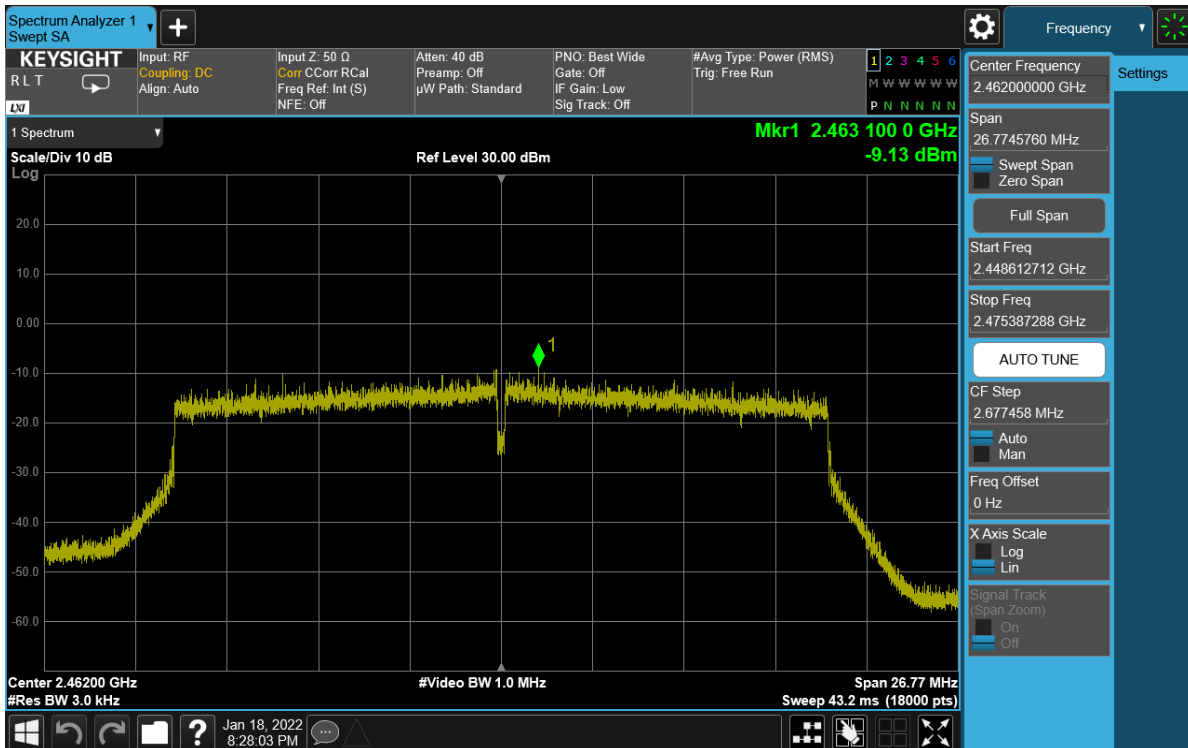


Plot 7-136. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS0

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 113 of 443



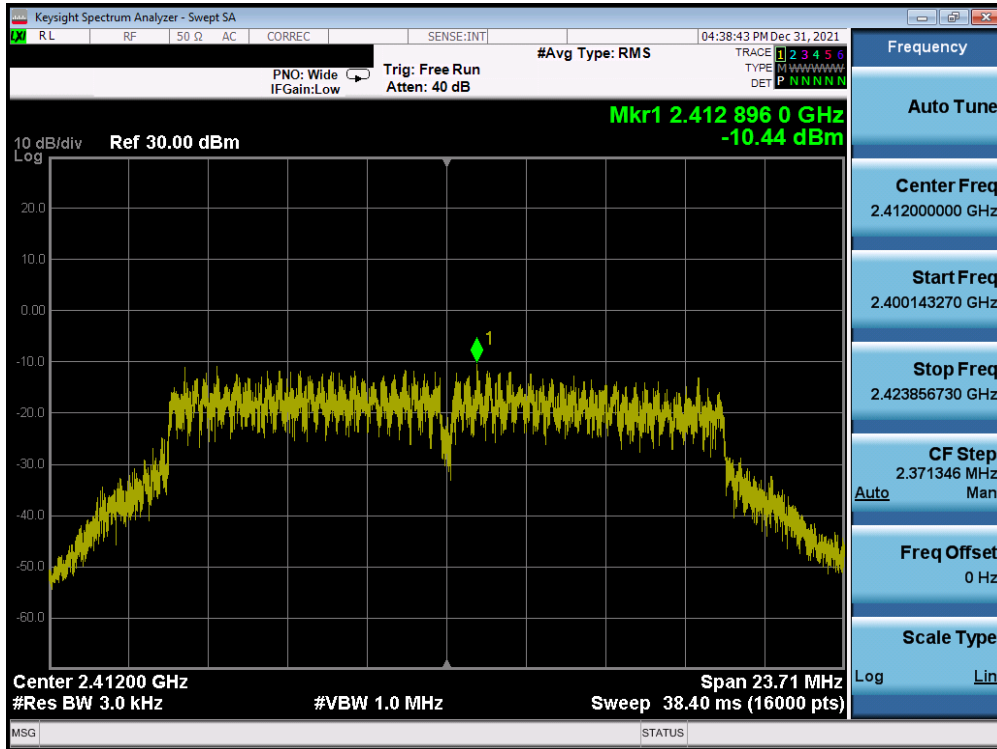
Plot 7-137. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0



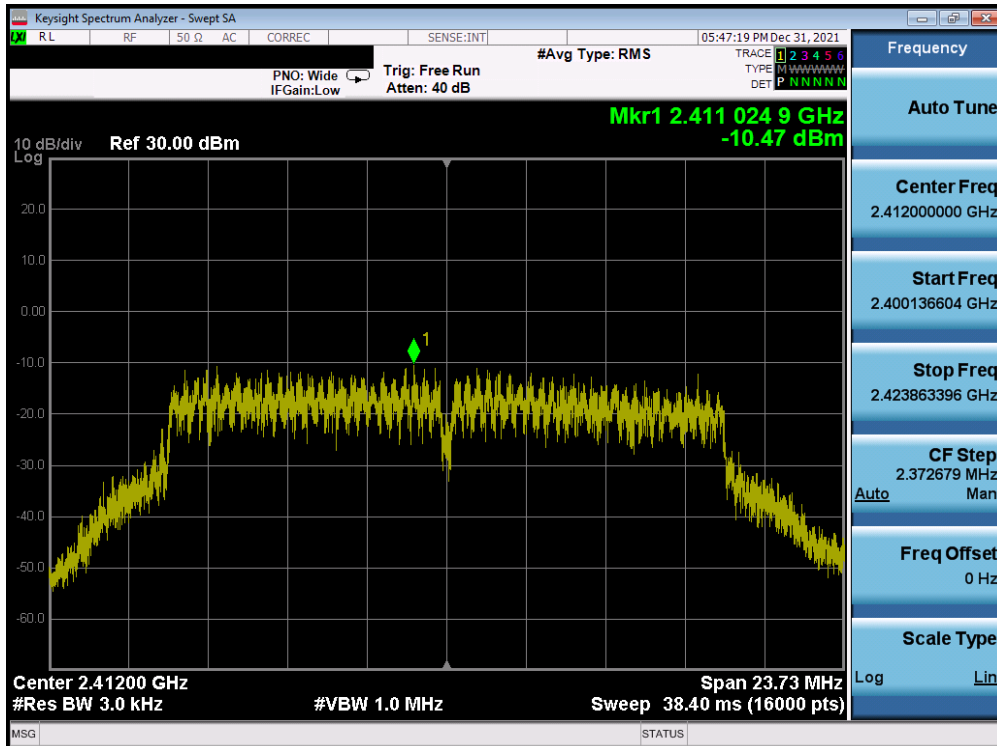
Plot 7-138. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 114 of 443

Mid Data Rate

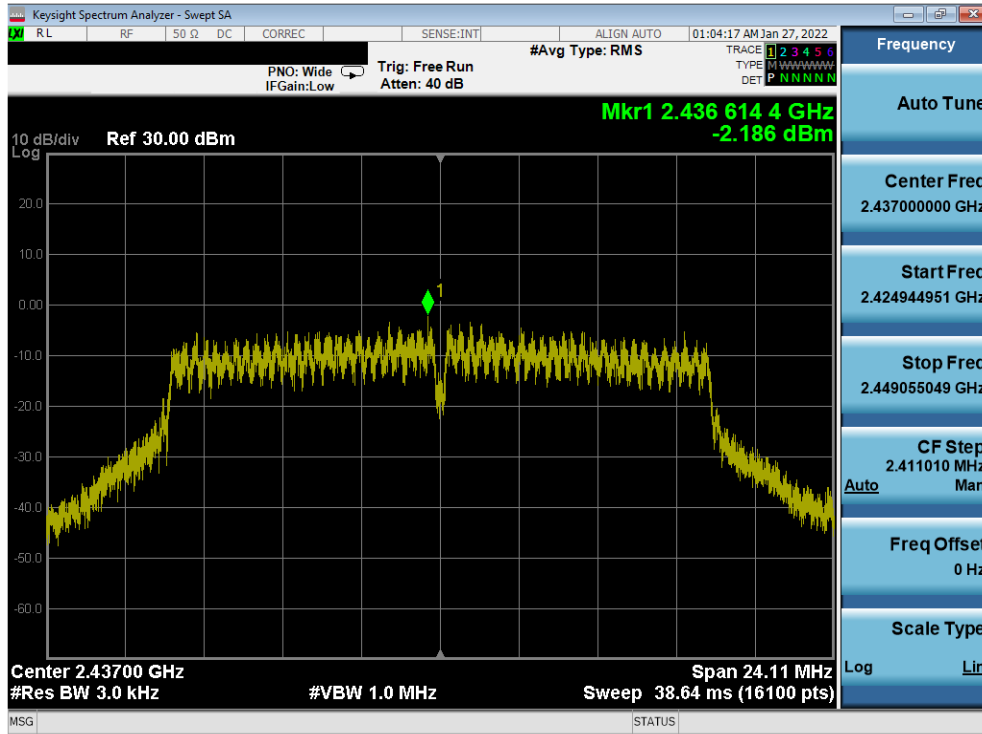


Plot 7-139. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 1) –18Mbps

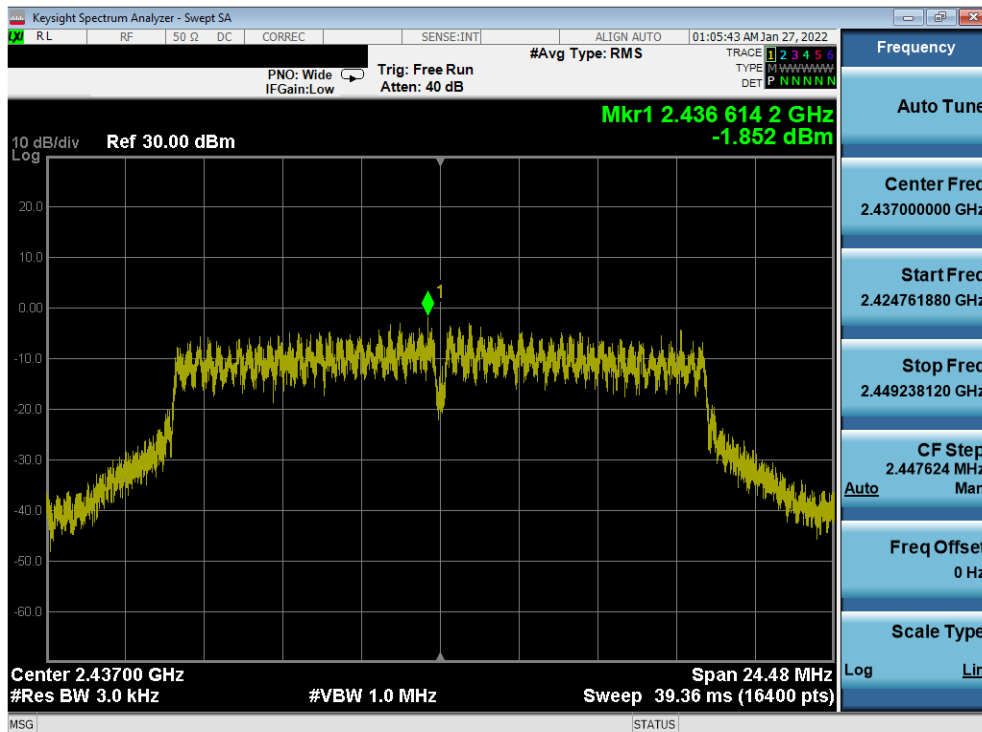


Plot 7-140. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 1) – 18Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 115 of 443

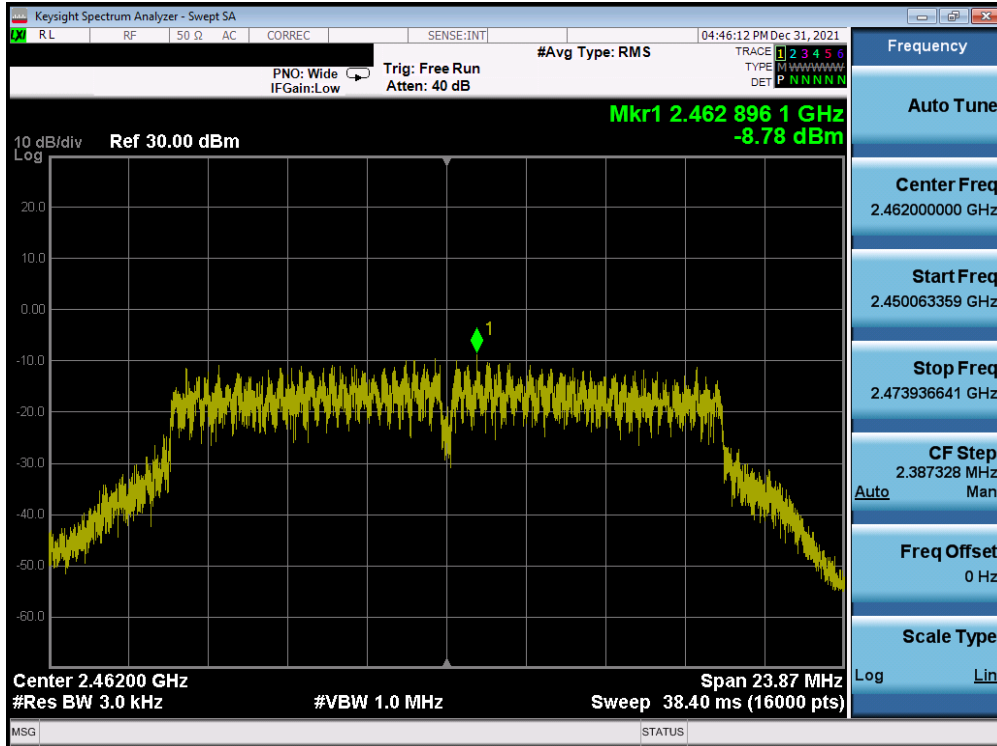


Plot 7-141. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 6) – 18Mbps

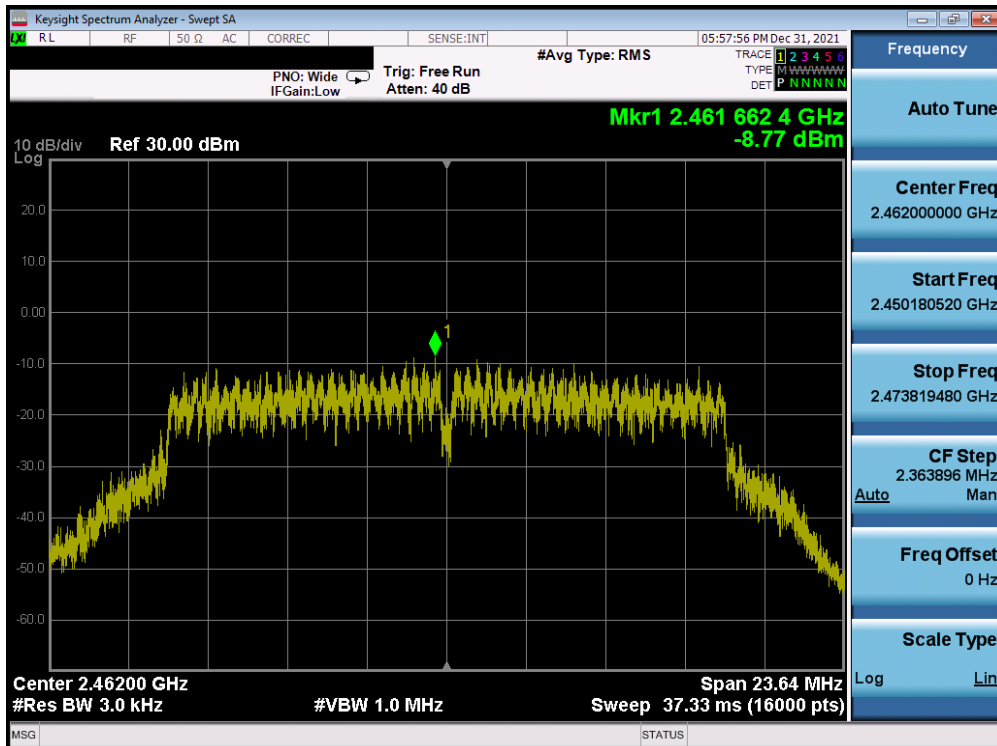


Plot 7-142. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 6) – 18Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 116 of 443

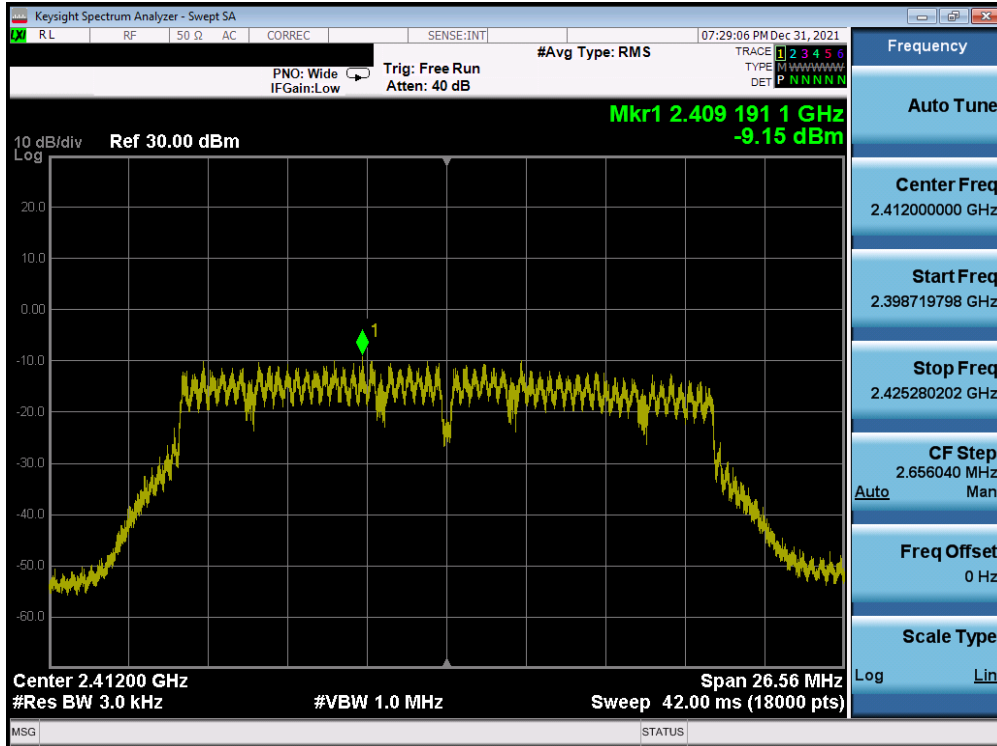


Plot 7-143. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 11) – 18Mbps

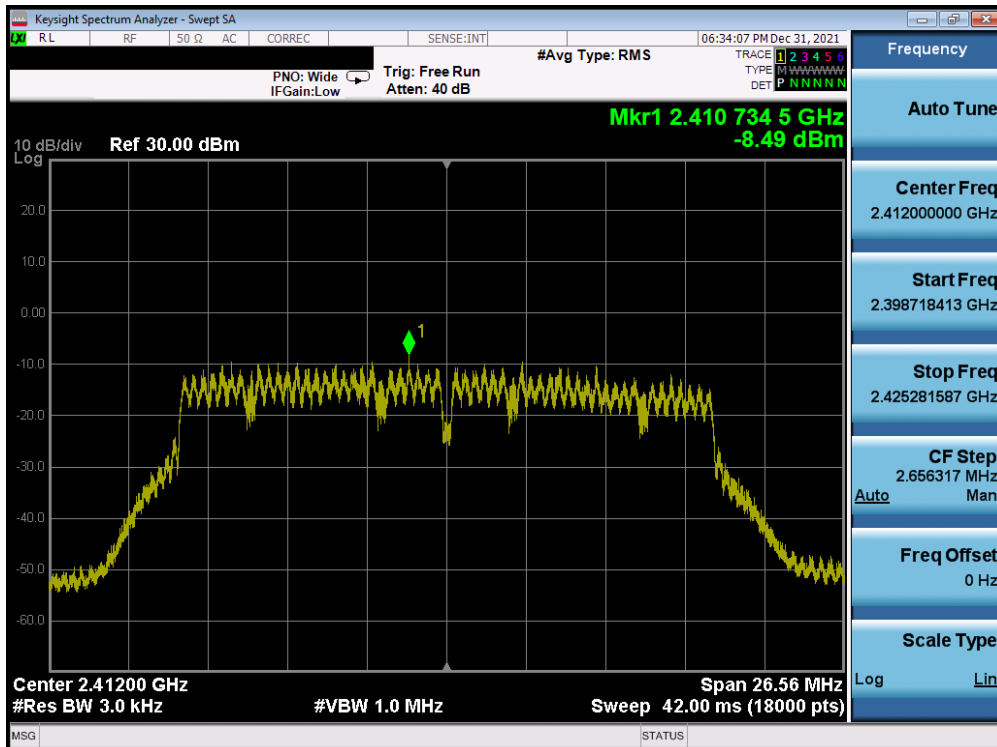


Plot 7-144. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 11) – 18Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 117 of 443

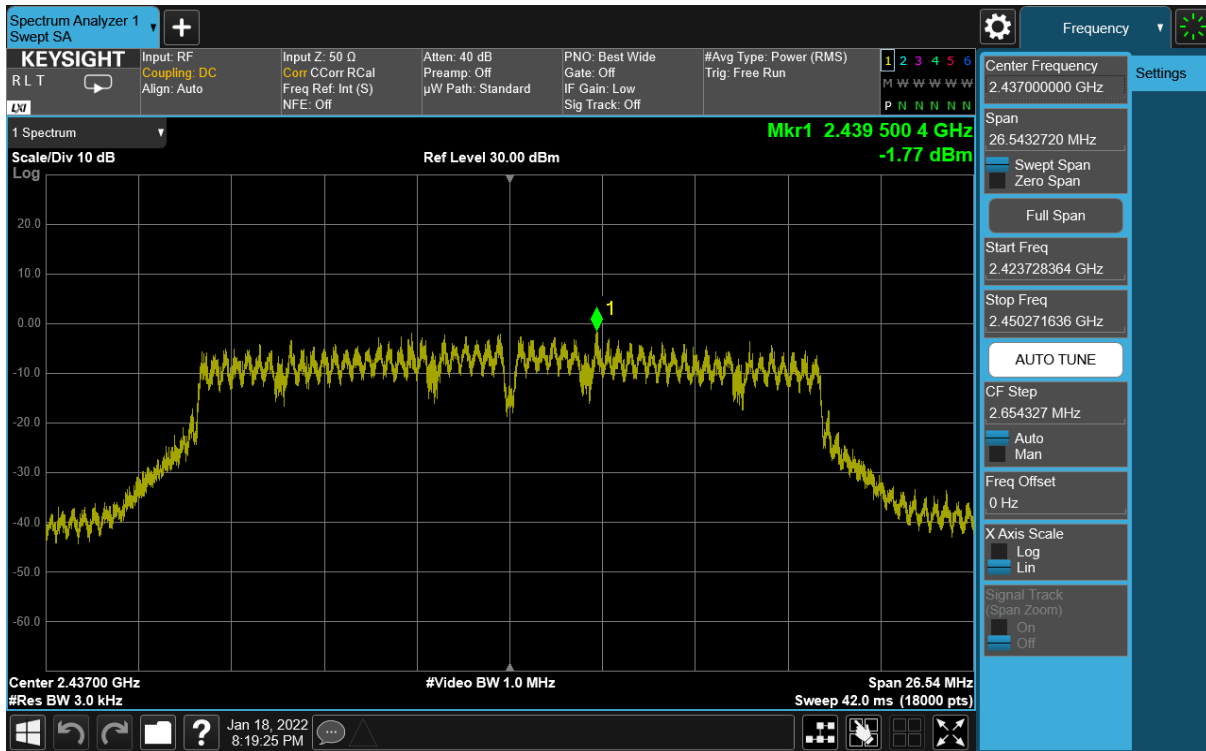


Plot 7-145. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 1) – MCS11

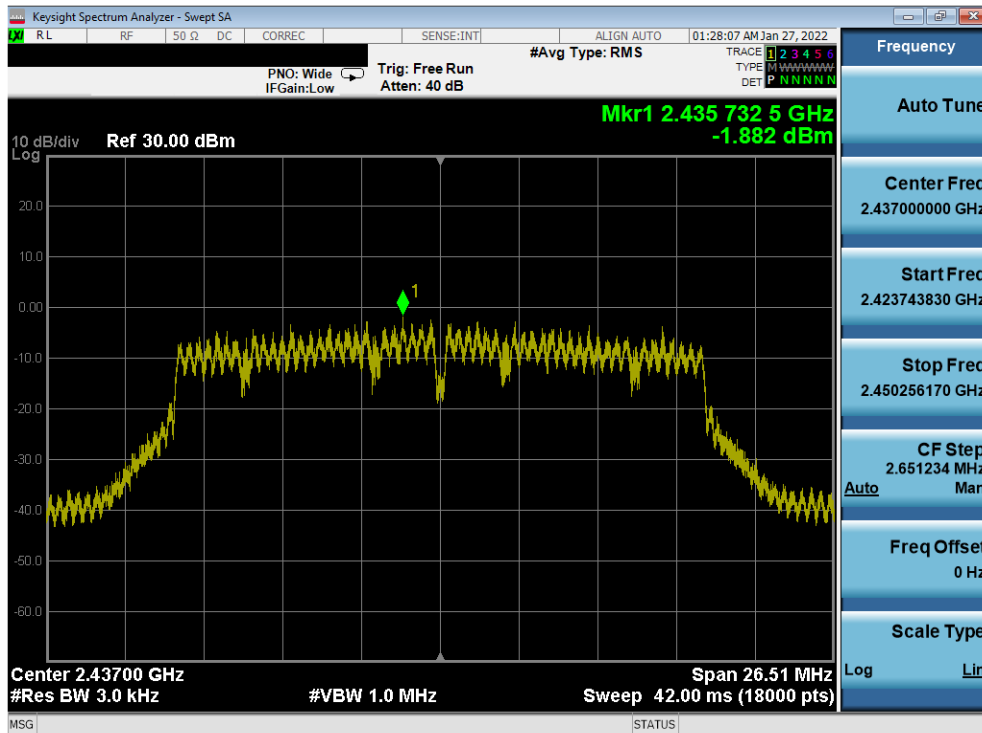


Plot 7-146. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 1) – MC11

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 118 of 443



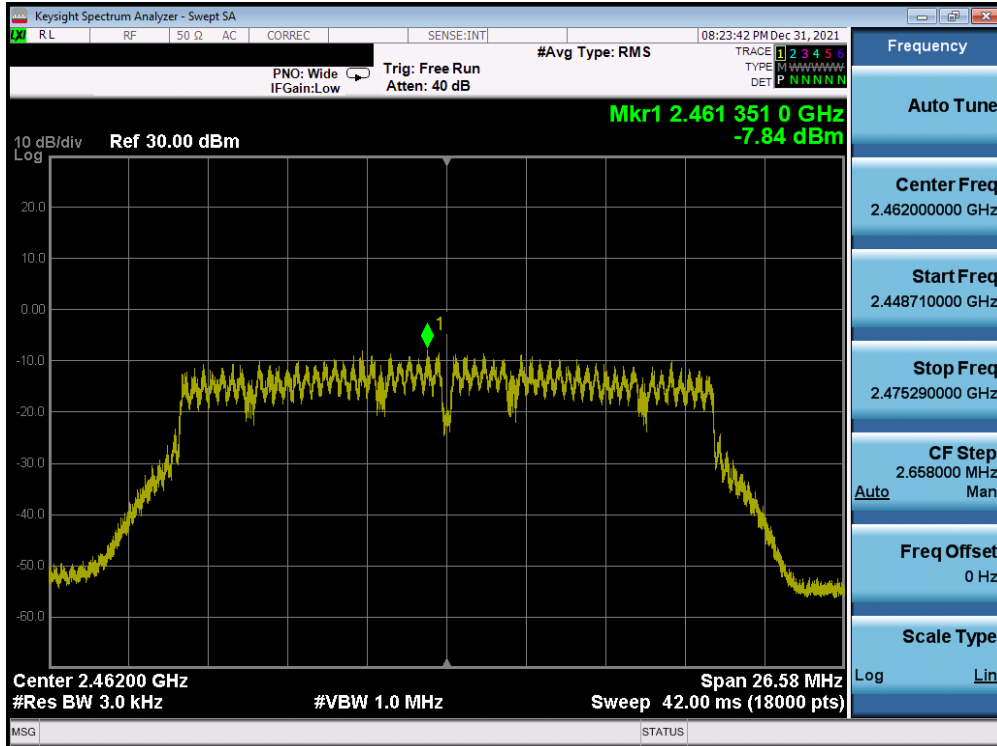
Plot 7-147. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 6) – MCS11



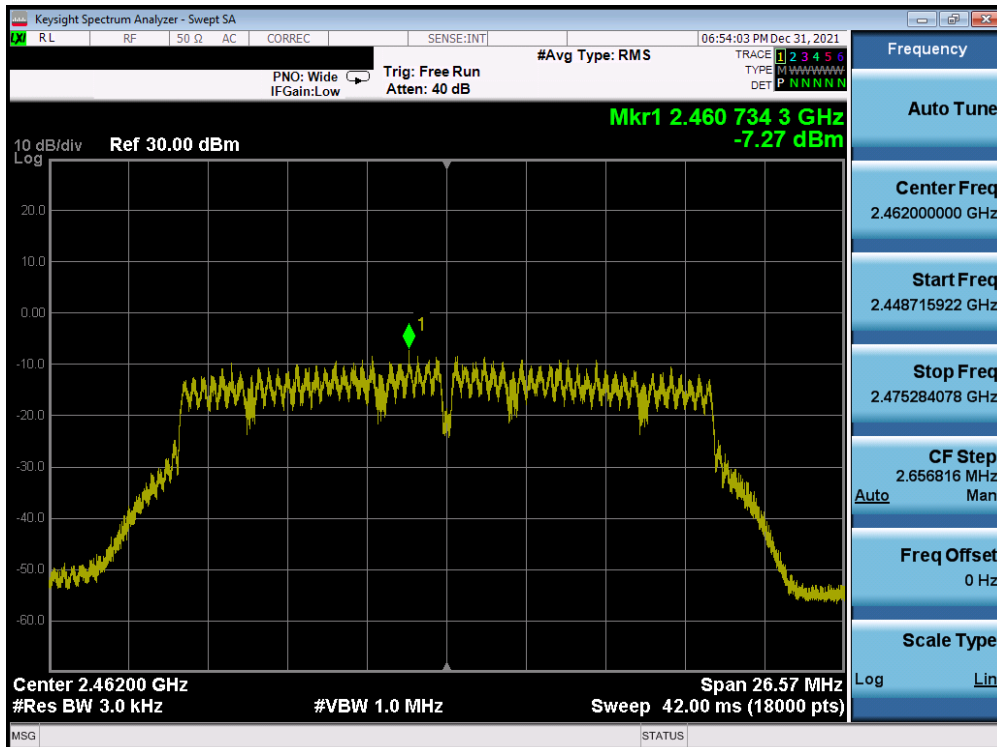
Plot 7-148. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 6) – MCS11

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 119 of 443



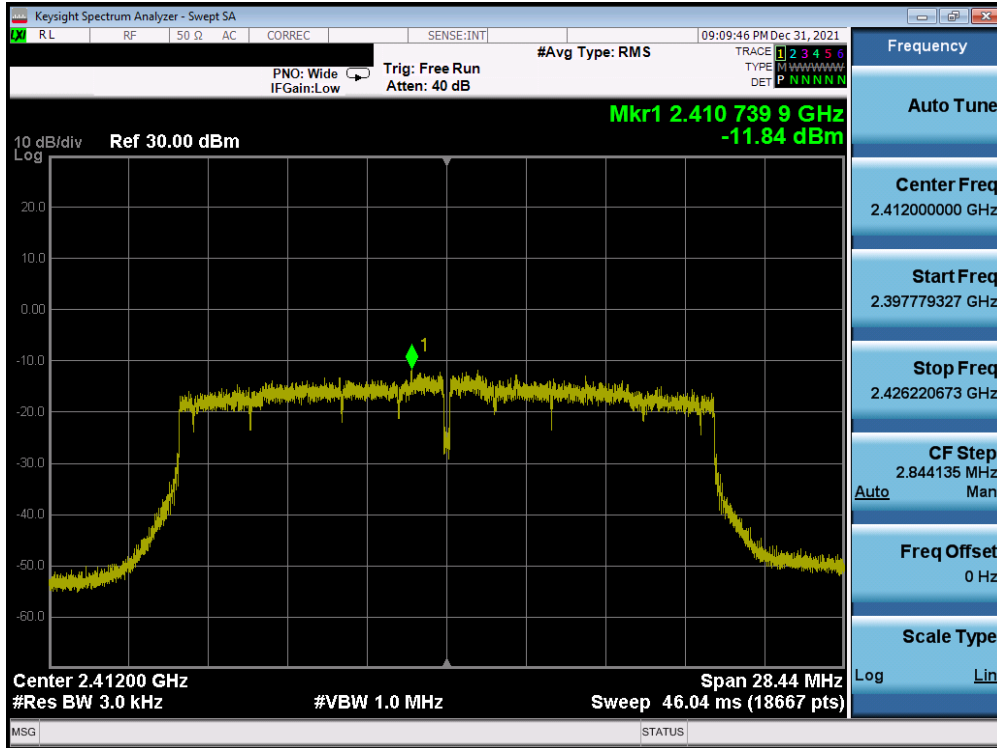


Plot 7-149. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 11) – MCS11

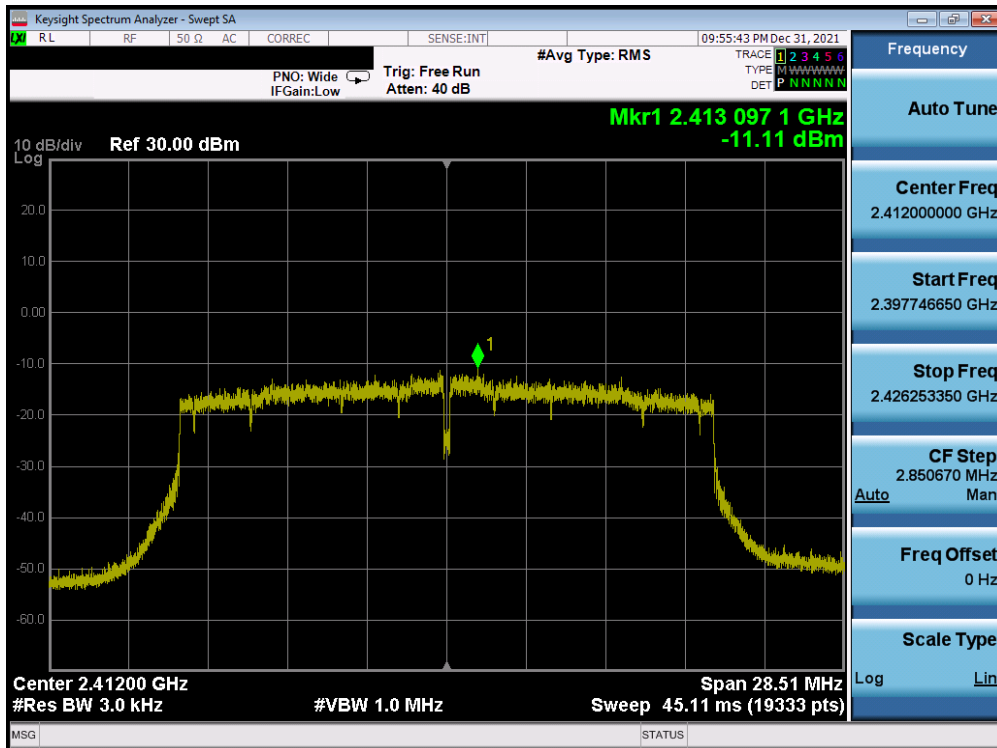


Plot 7-150. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 11) – MCS11

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 120 of 443

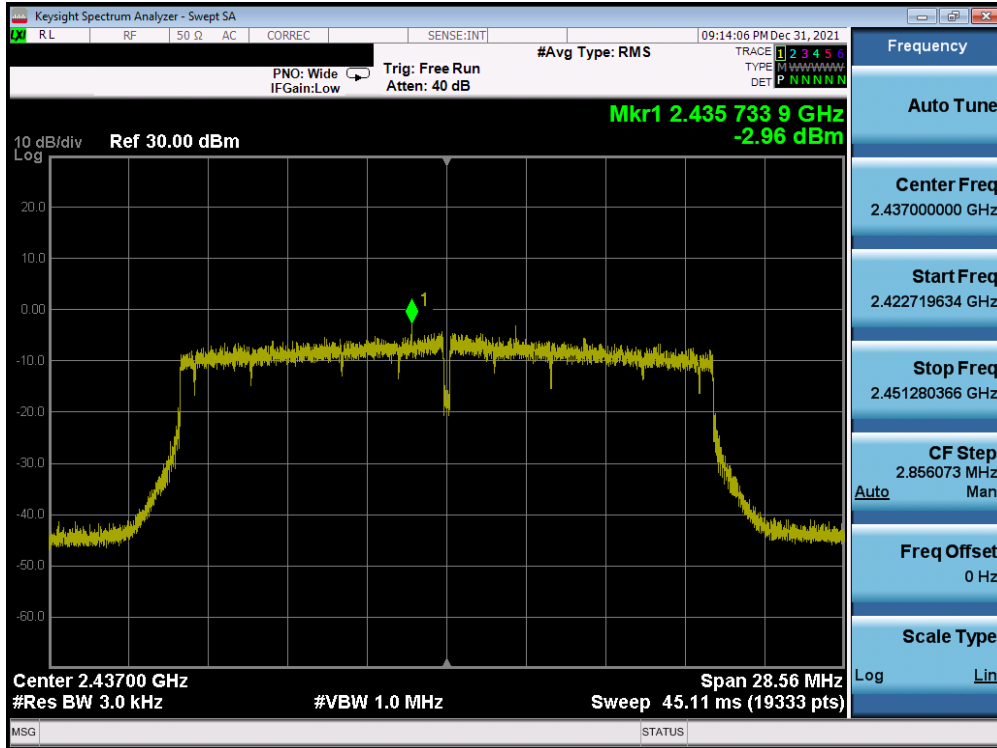


Plot 7-151. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

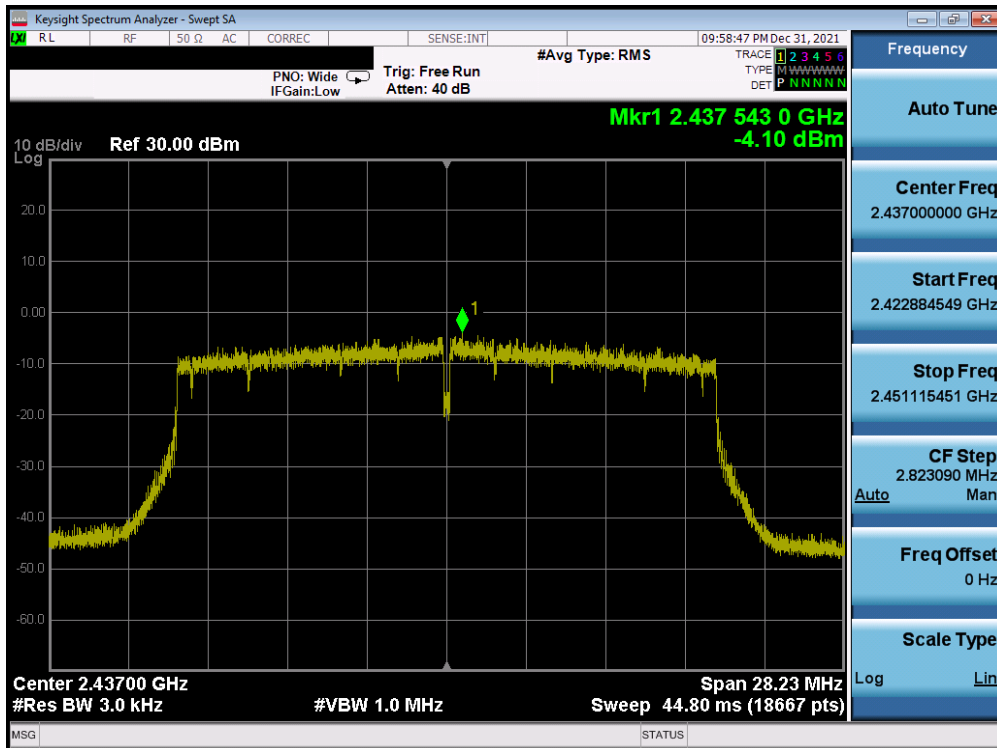


Plot 7-152. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 121 of 443

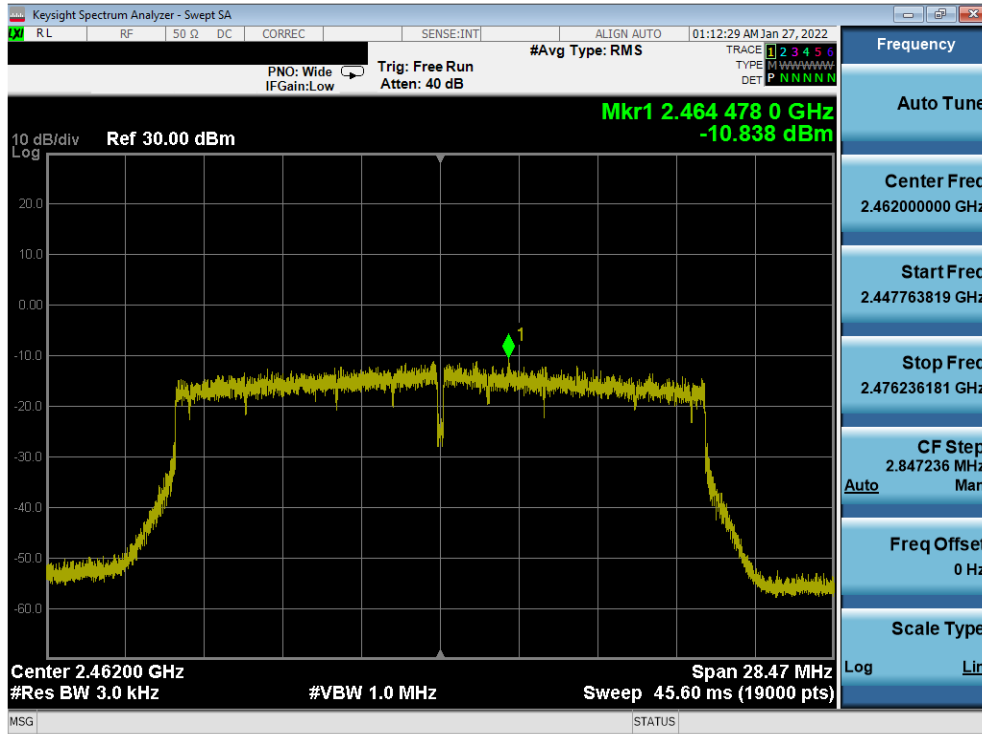


Plot 7-153. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

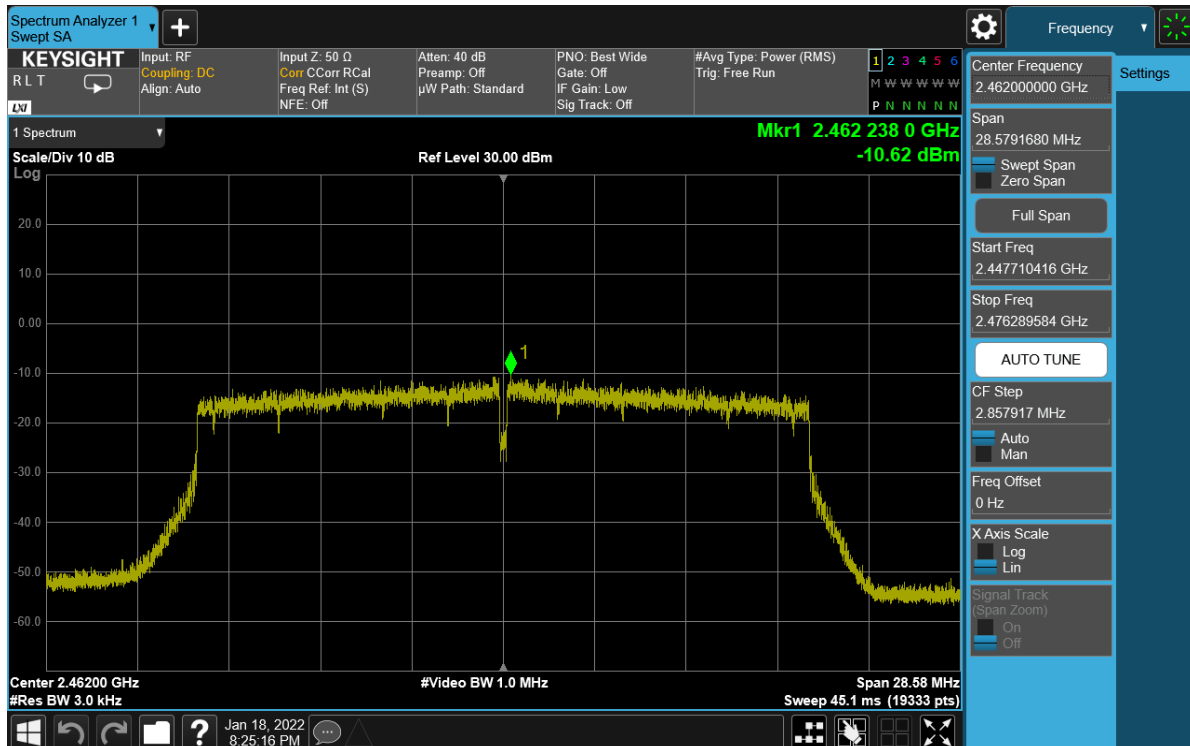


Plot 7-154. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 122 of 443



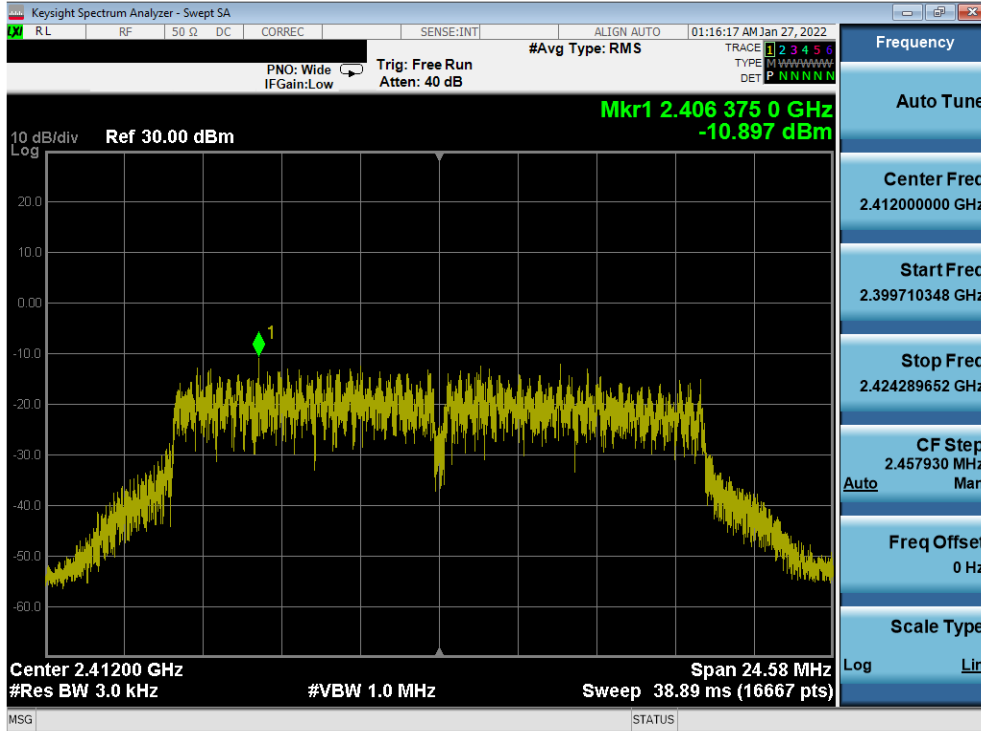
Plot 7-155. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3



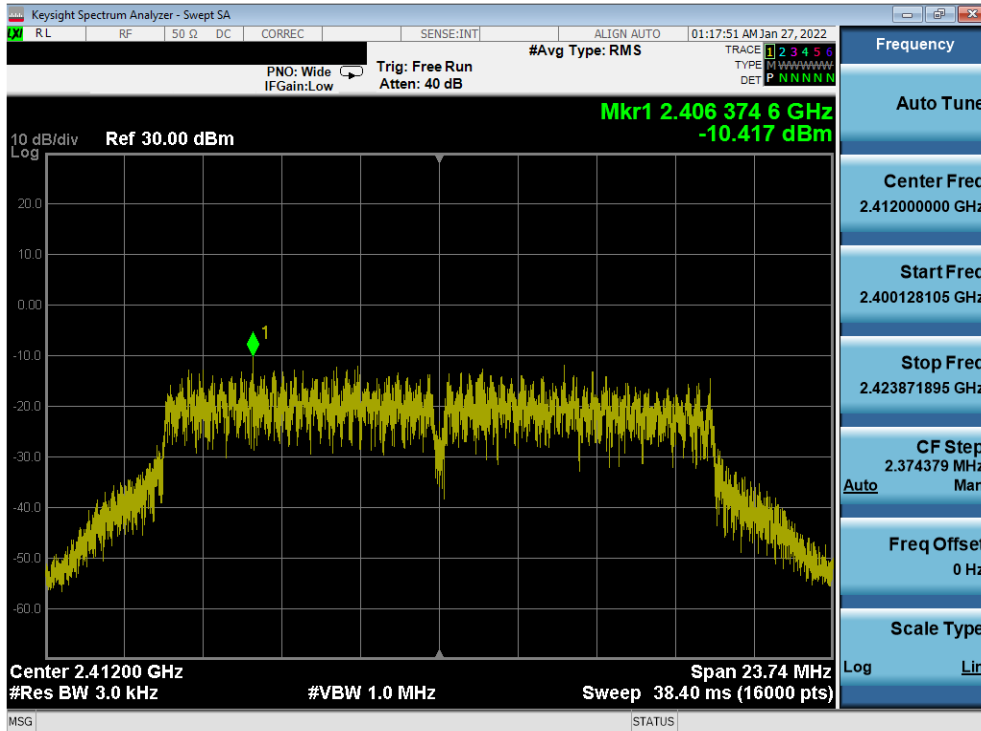
Plot 7-156. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 123 of 443

## High Data Rate



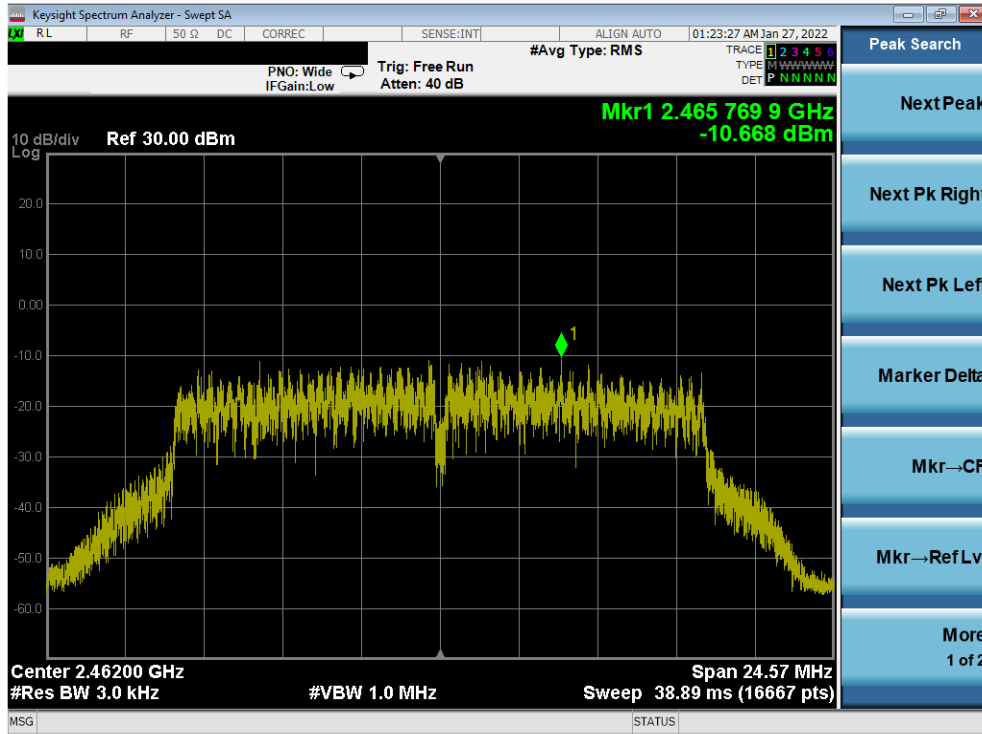
Plot 7-157. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 1) – 36Mbps



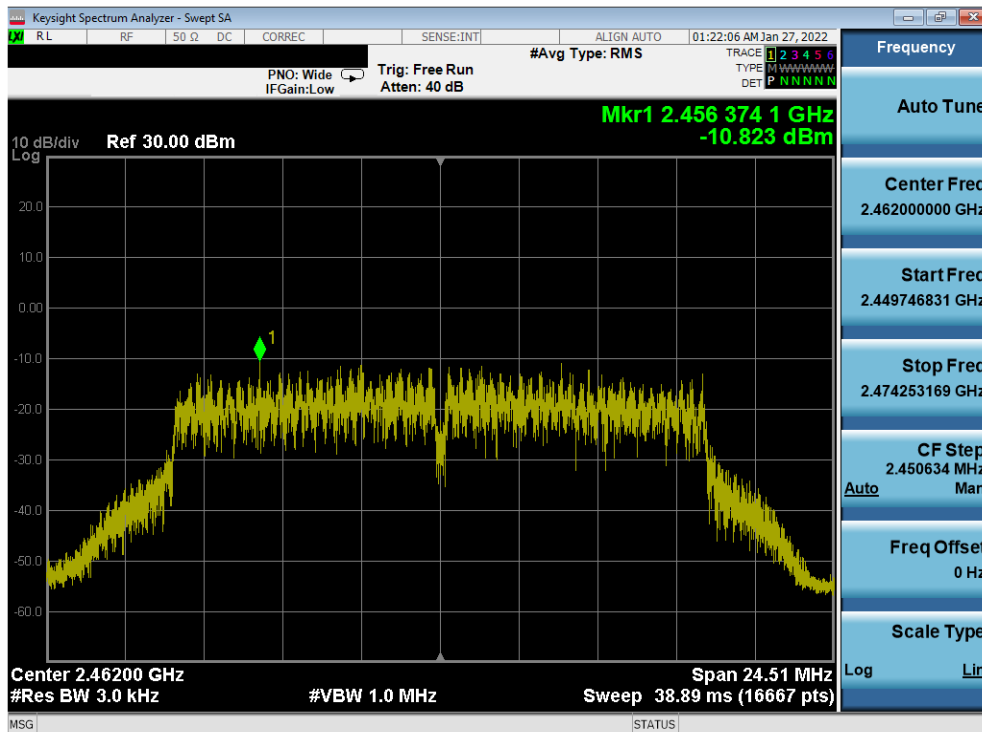
Plot 7-158. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 1) – 36Mbps

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 124 of 443



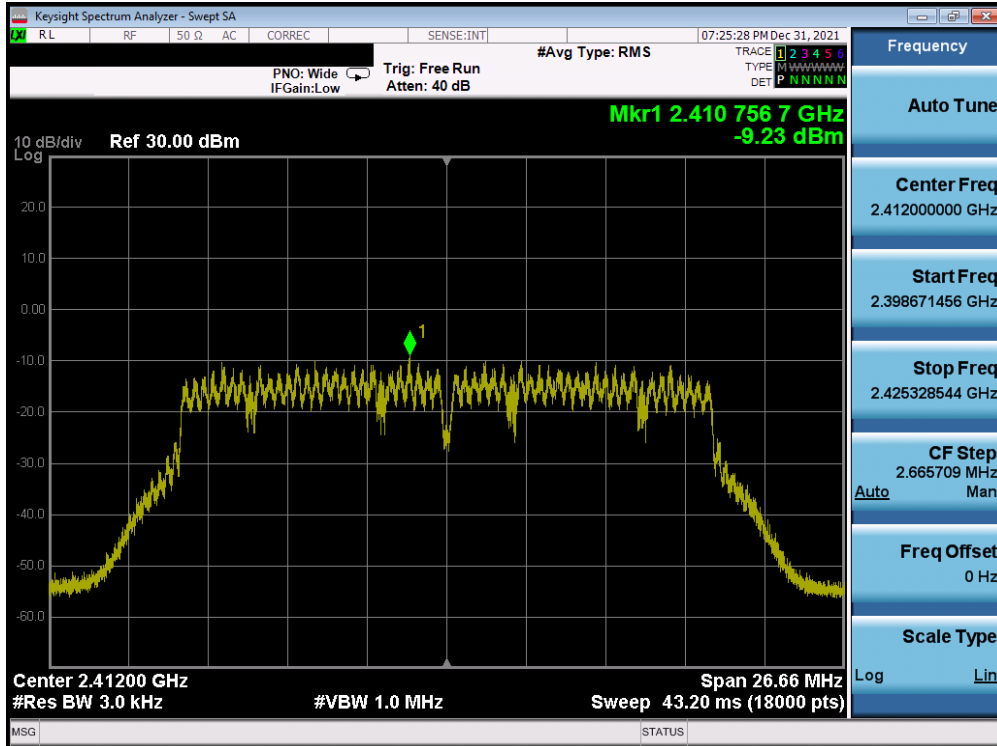


Plot 7-161. Power Spectral Density Plot CDD Antenna WF8 (802.11g – Ch. 11) – 36Mbps

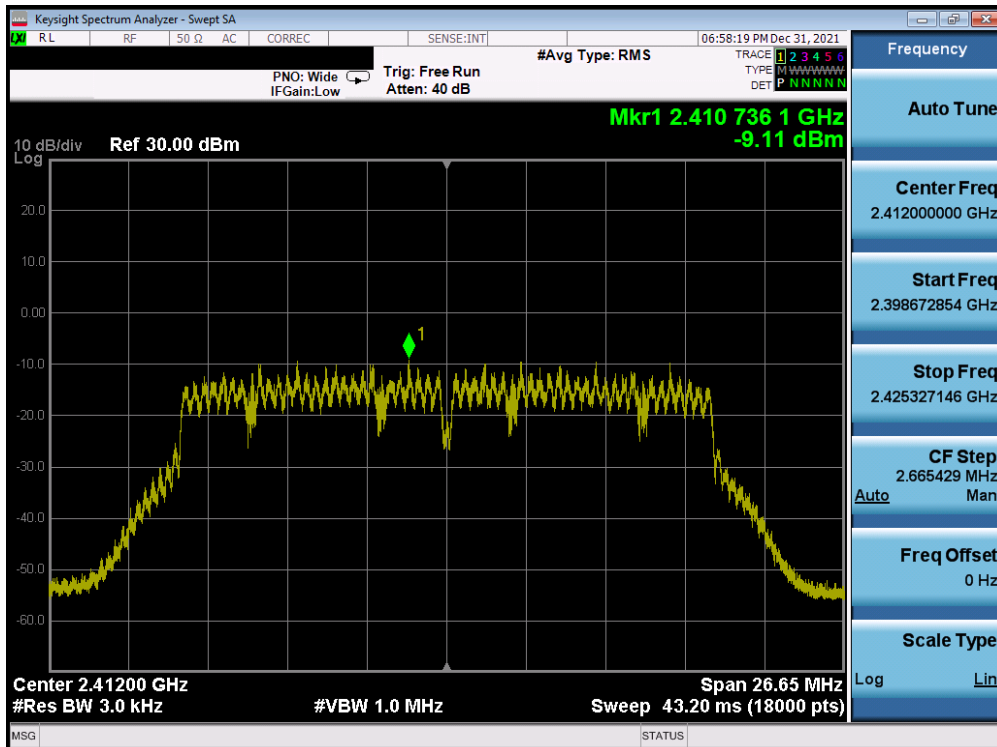


Plot 7-162. Power Spectral Density Plot CDD Antenna WF7b (802.11g – Ch. 11) – 36Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 126 of 443



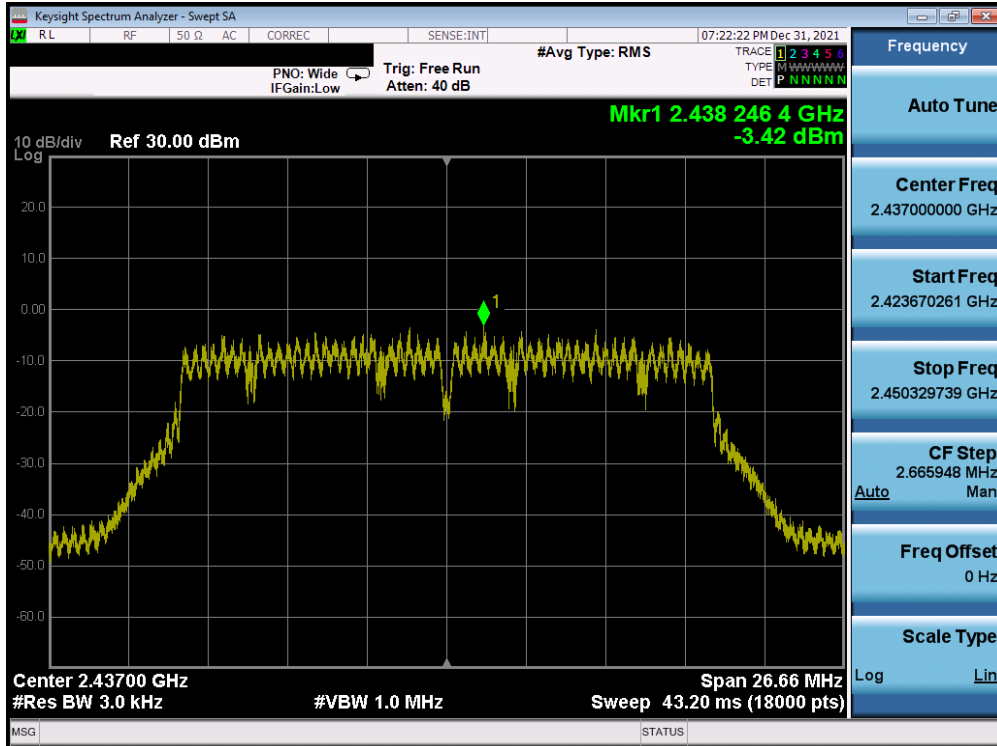
Plot 7-163. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 1) – MCS13



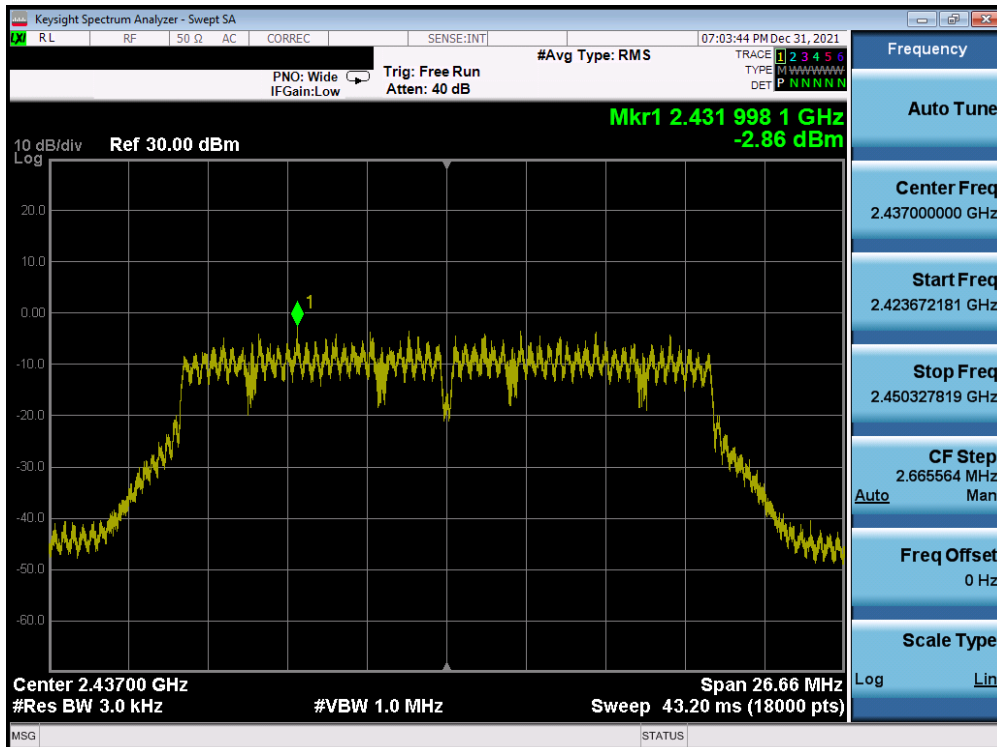
Plot 7-164. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 1) – MCS13

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 127 of 443



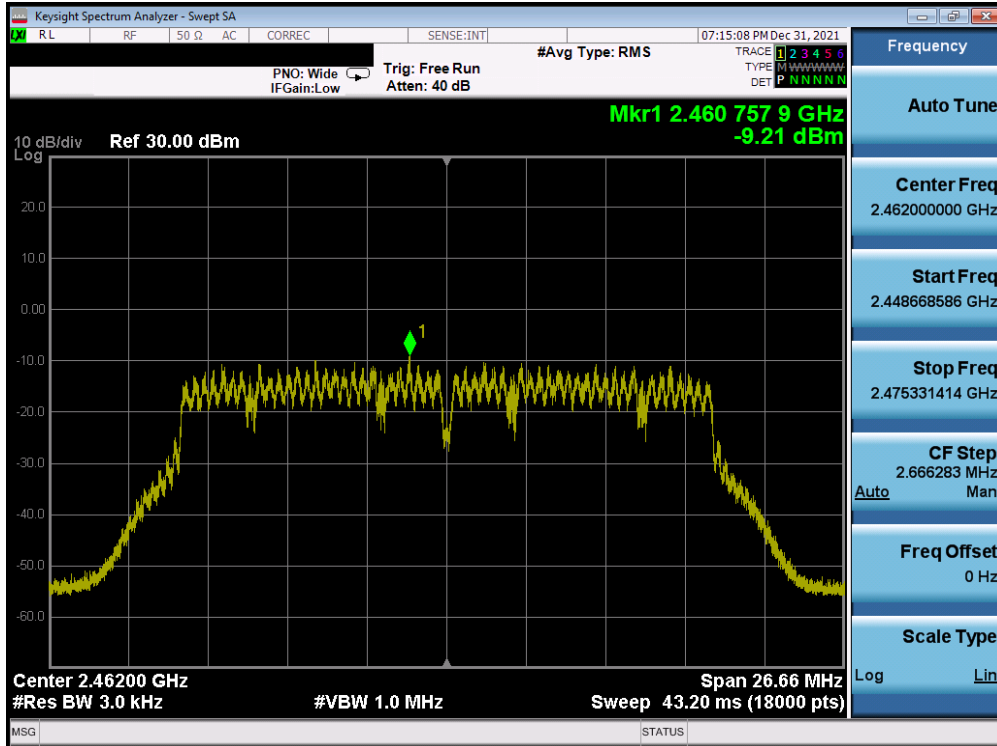


Plot 7-165. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 6) – MCS13

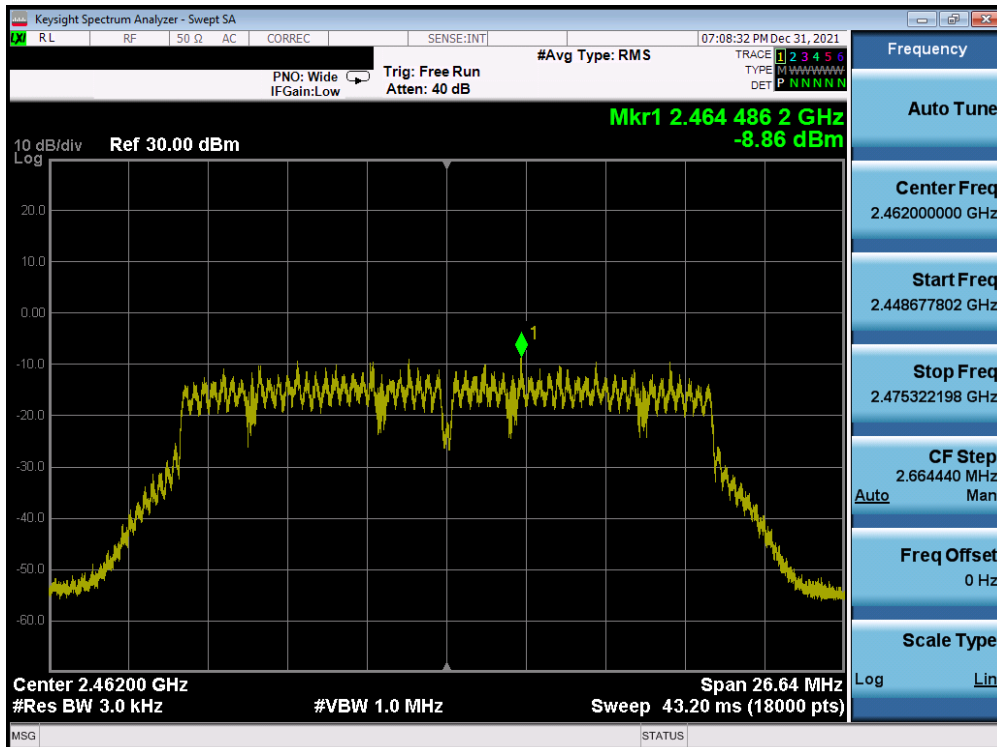


Plot 7-166. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 6) – MCS13

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 128 of 443

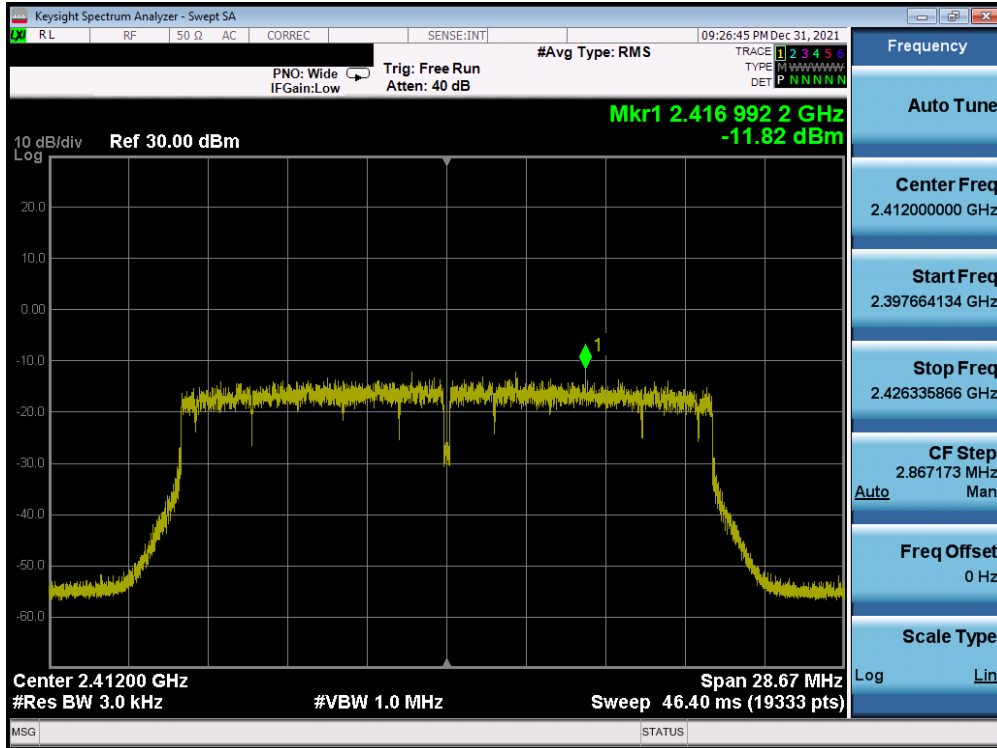


Plot 7-167. Power Spectral Density Plot CDD Antenna WF8 (802.11n (2.4GHz) – Ch. 11) – MCS13

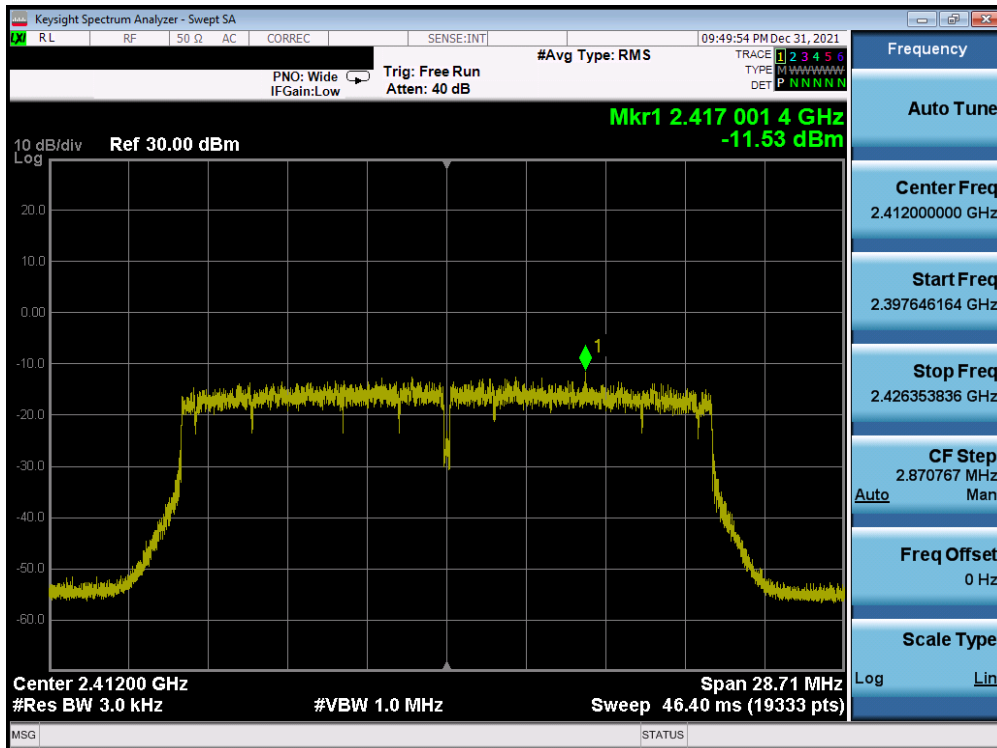


Plot 7-168. Power Spectral Density Plot CDD Antenna WF7b (802.11n (2.4GHz) – Ch. 11) – MCS13

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 129 of 443

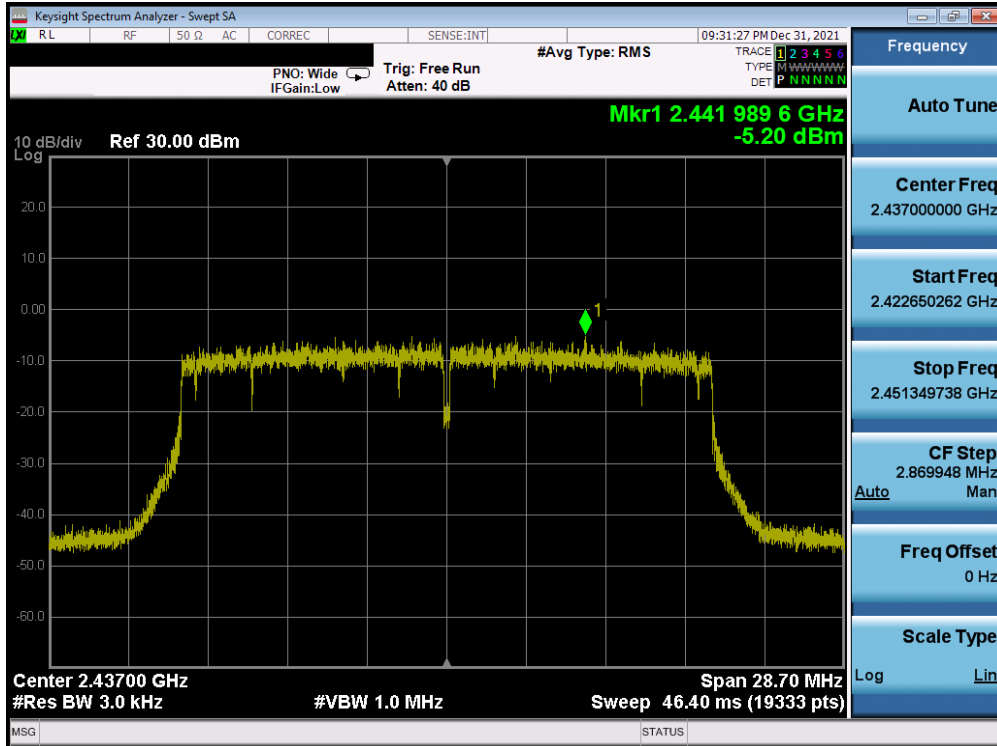


Plot 7-169. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

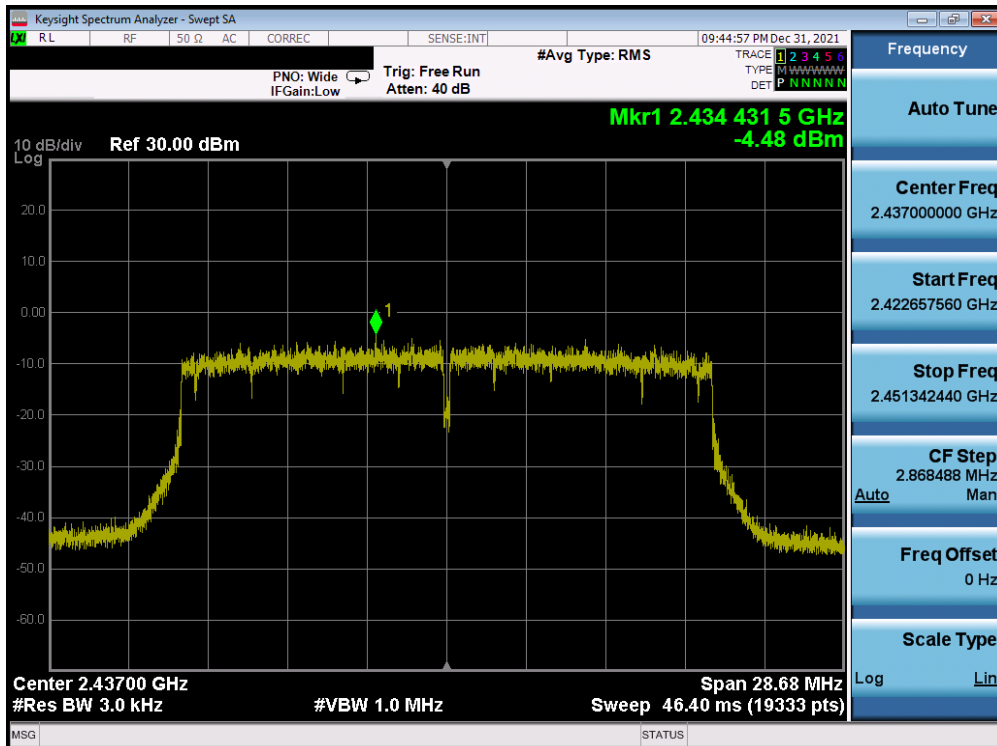


Plot 7-170. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 130 of 443

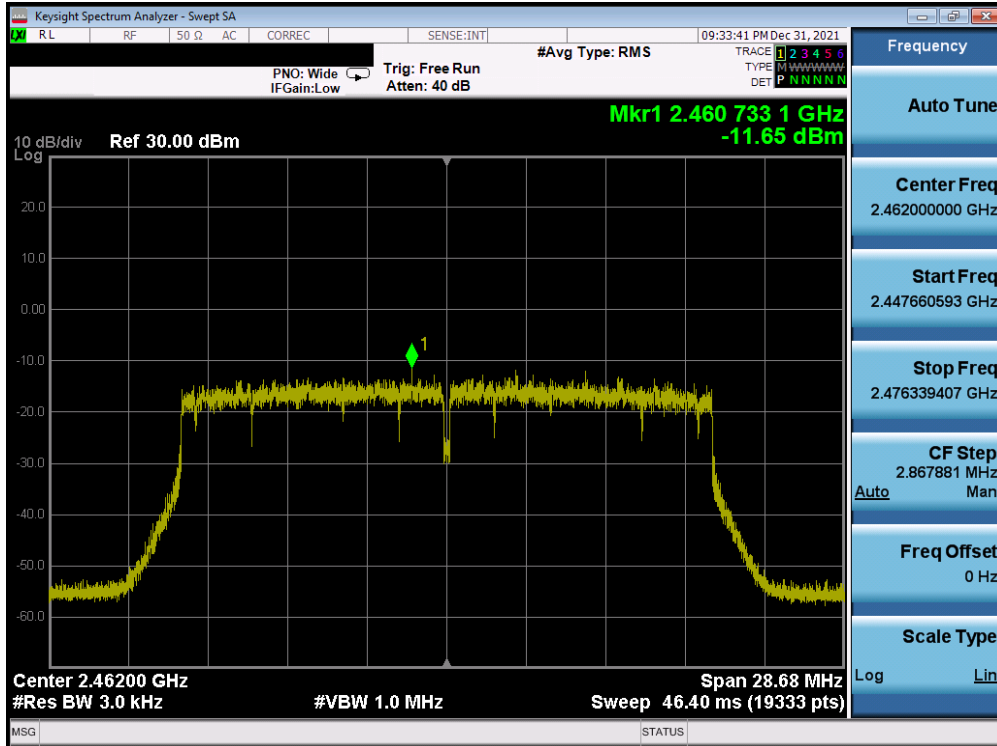


Plot 7-171. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5

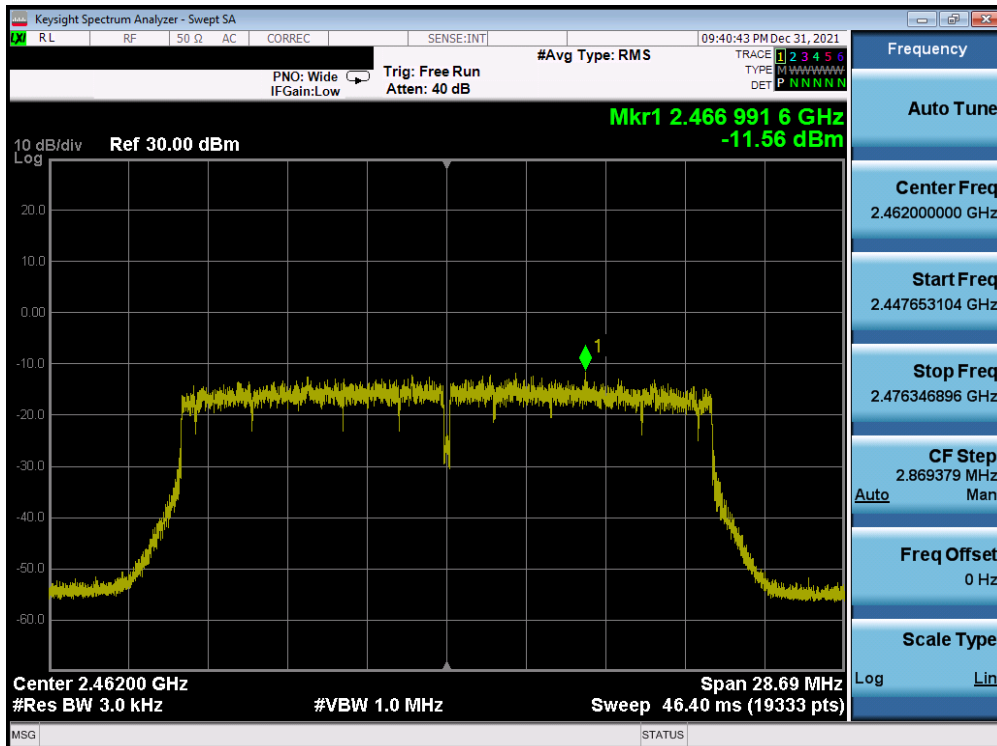


Plot 7-172. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 131 of 443



Plot 7-173. Power Spectral Density Plot CDD Antenna WF8 (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5



Plot 7-174. Power Spectral Density Plot CDD Antenna WF7b (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 132 of 443

**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 WF8 and Antenna WF7b 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 2437MHz the average conducted power spectral density was measured to be -1.37 dBm for Antenna WF8 and -1.79 dBm for Antenna WF7b.

$$\text{Antenna WF8} + \text{Antenna WF7b} = \text{CDD}$$

$$(-1.37 \text{ dBm} + -1.79 \text{ dBm}) = (0.729 \text{ mW} + 0.663 \text{ mW}) = 1.392 \text{ mW} = 1.44 \text{ dBm}$$

<b>FCC ID:</b> BCGA2588 <b>IC:</b> 579C-A2588	 <b>MEASUREMENT REPORT</b> <b>(CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2111150078-01.BCG	<b>Test Dates:</b> 12/02/2021 - 02/04/2022	<b>EUT Type:</b> Tablet Device

## 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, 36 Mbps for “g” mode, 6.5/7.2, 26/28.9, 52/57.8Mbps 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 – 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: BCGA2588 IC: 579C-A2588	 Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 134 of 443

### Test Notes

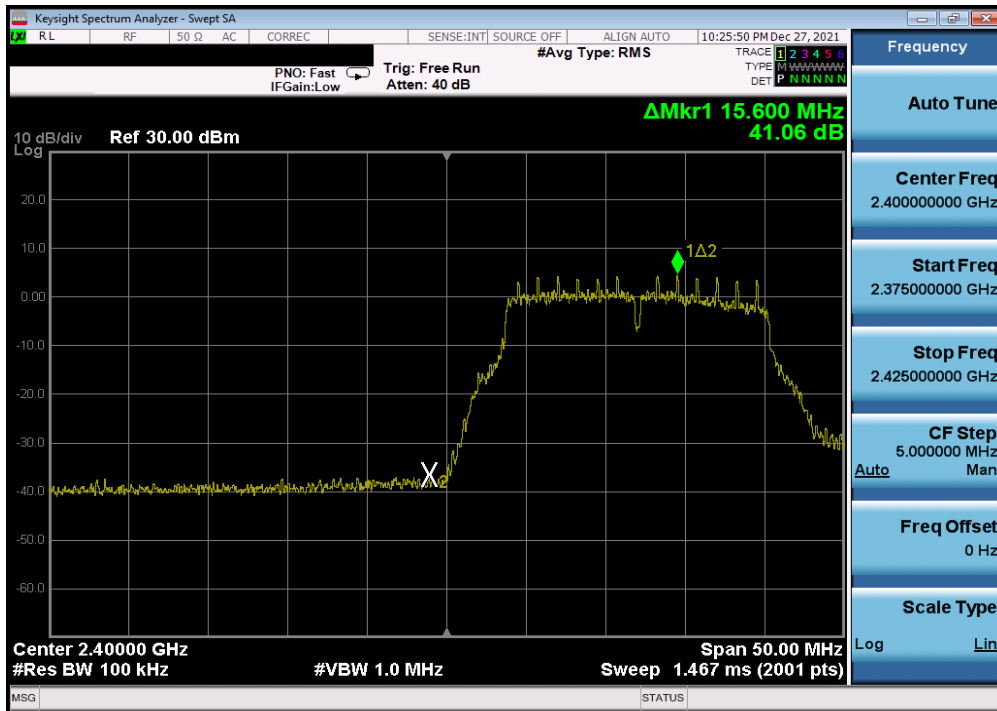
1. All antenna configurations were investigated and only the worst case is reported.
2. The data rates have been classified into three different groups; low data rate, middle data rate, and high data rate. All three data rate groups have been investigated and only the worst case data rate per group is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

<b>FCC ID:</b> BCGA2588 <b>IC:</b> 579C-A2588	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2111150078-01.BCG	<b>Test Dates:</b> 12/02/2021 - 02/04/2022	<b>EUT Type:</b> Tablet Device  Page 135 of 443

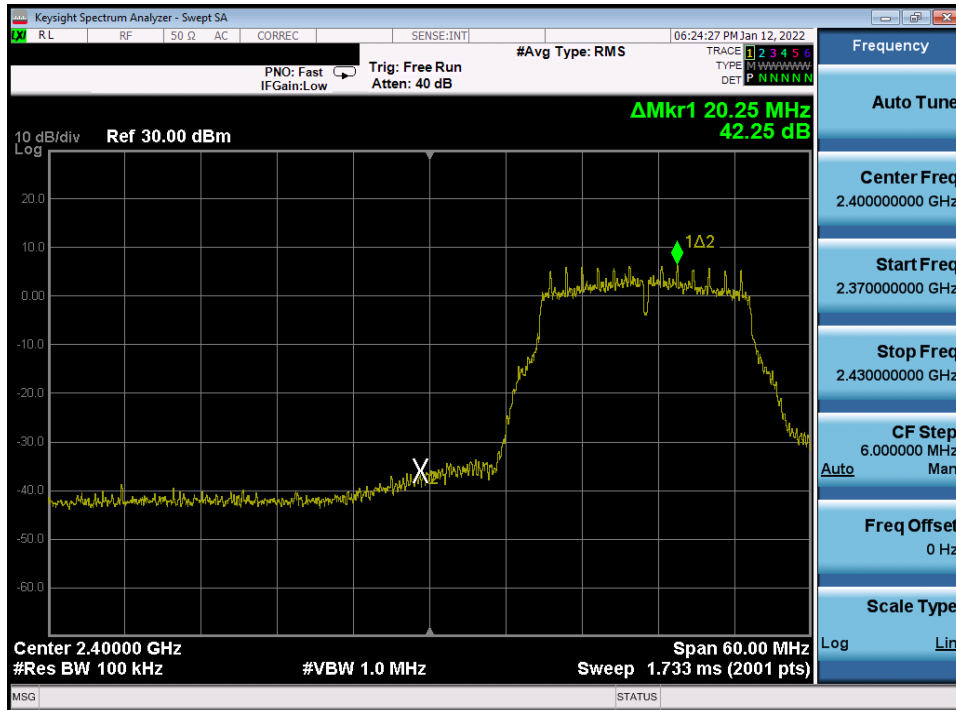


## Antenna WF8 Conducted Emissions at the Band Edge

### Low Data Rate

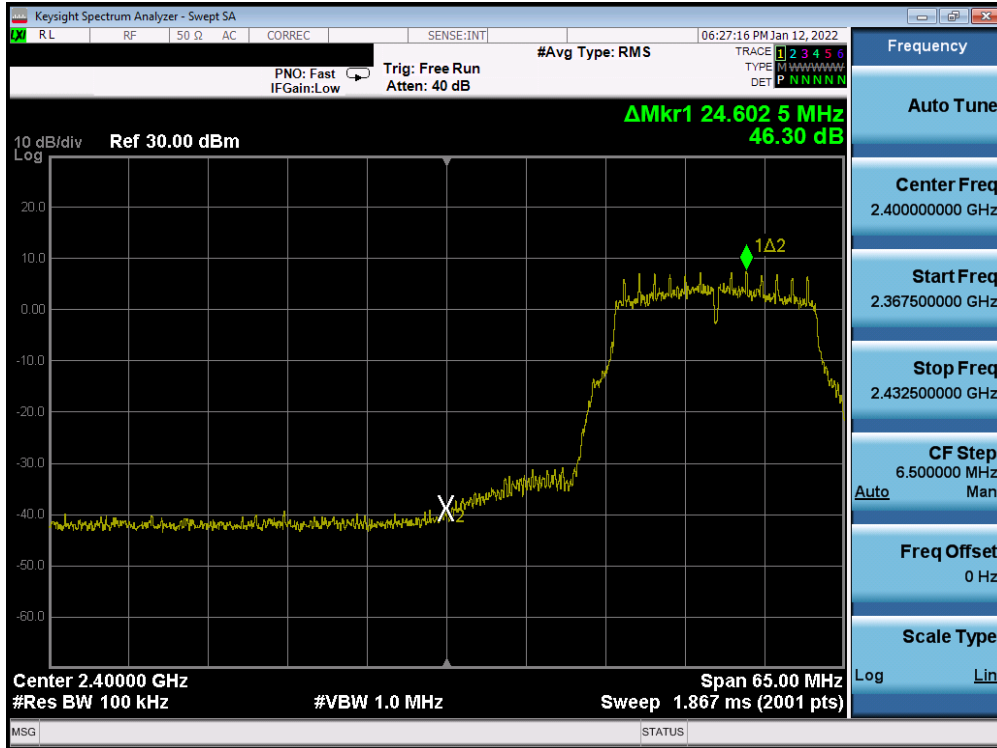


Plot 7-175. Band Edge Plot Antenna WF8 (802.11g – Ch. 1) – 6Mbps

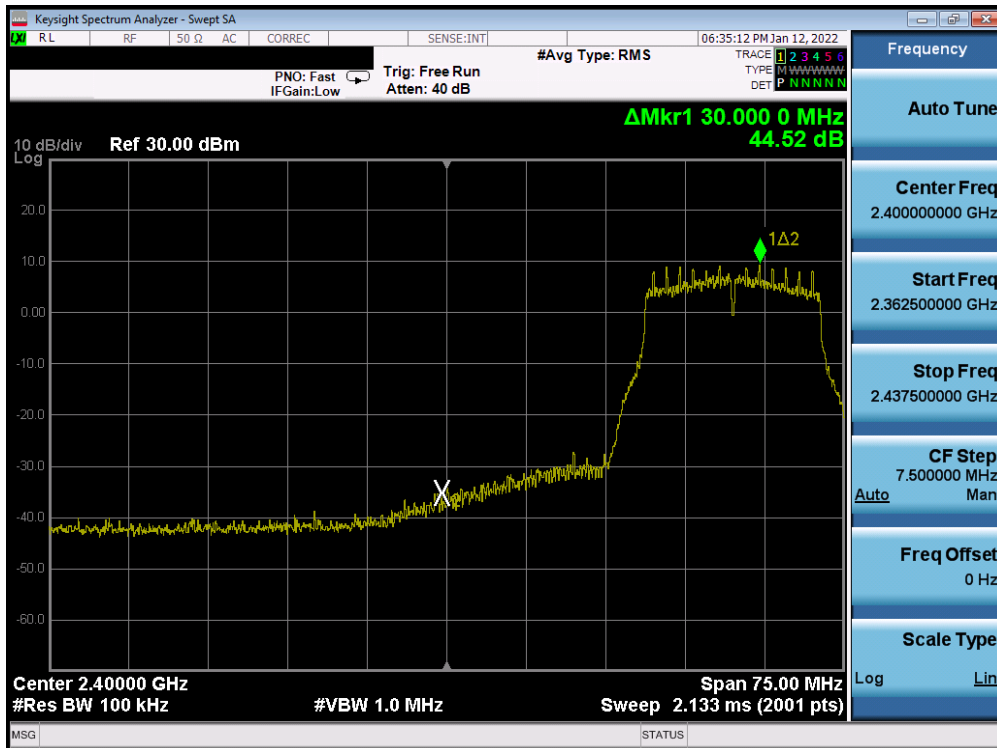


Plot 7-176. Band Edge Plot Antenna WF8 (802.11g – Ch. 2) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 136 of 443

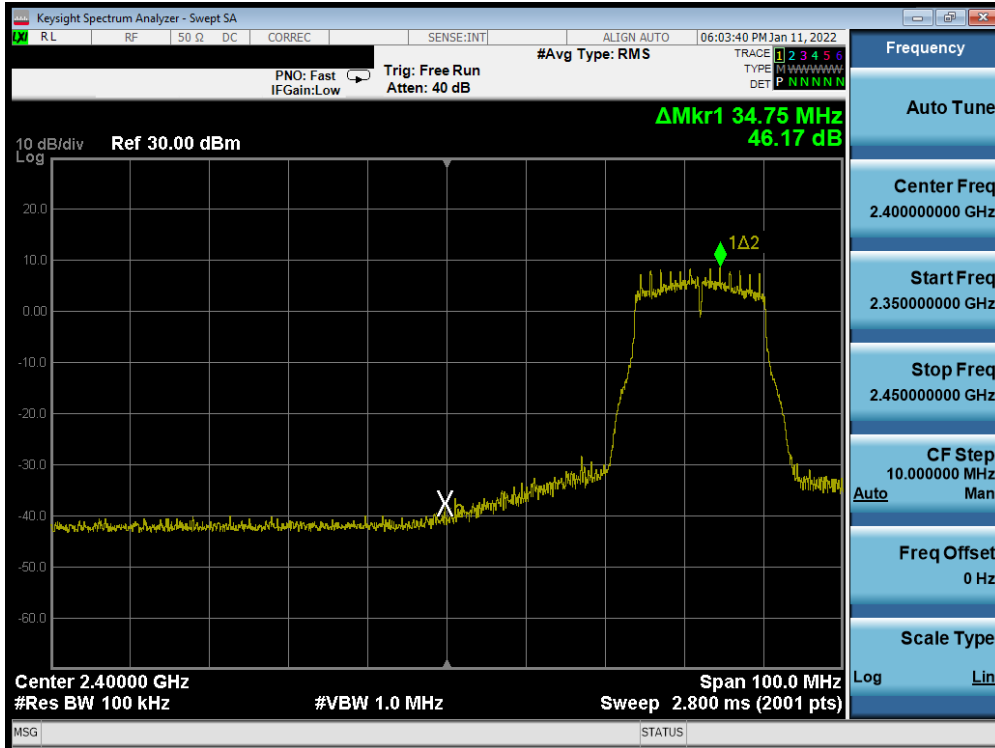


Plot 7-177. Band Edge Plot Antenna WF8 (802.11g – Ch. 3) – 6Mbps

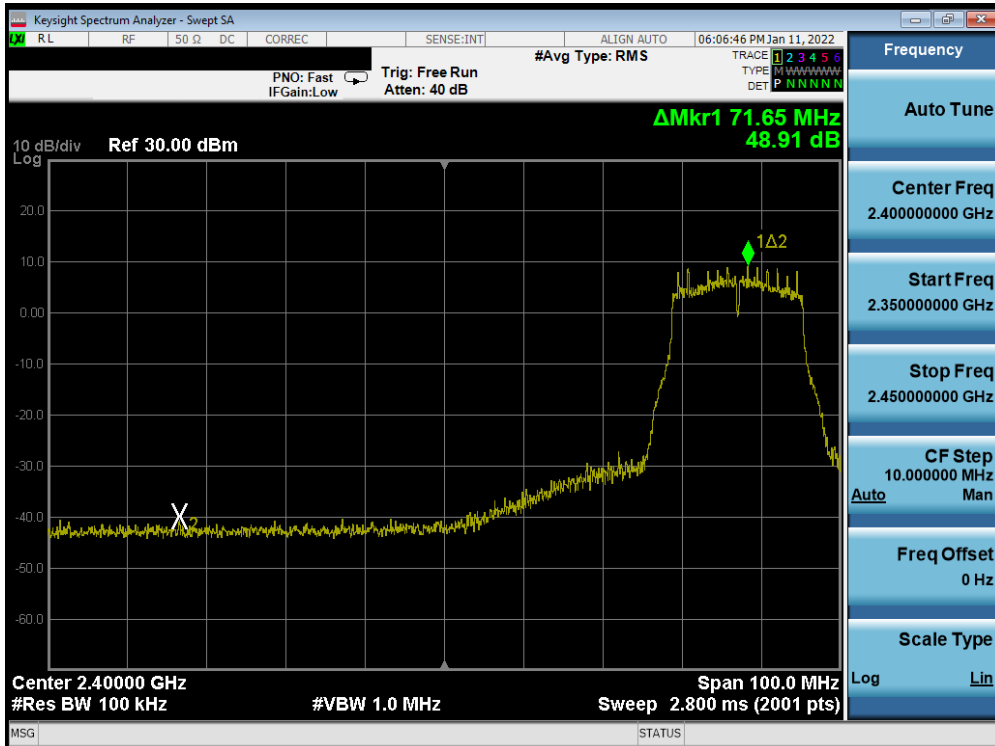


Plot 7-178. Band Edge Plot Antenna WF8 (802.11g – Ch. 4) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 137 of 443

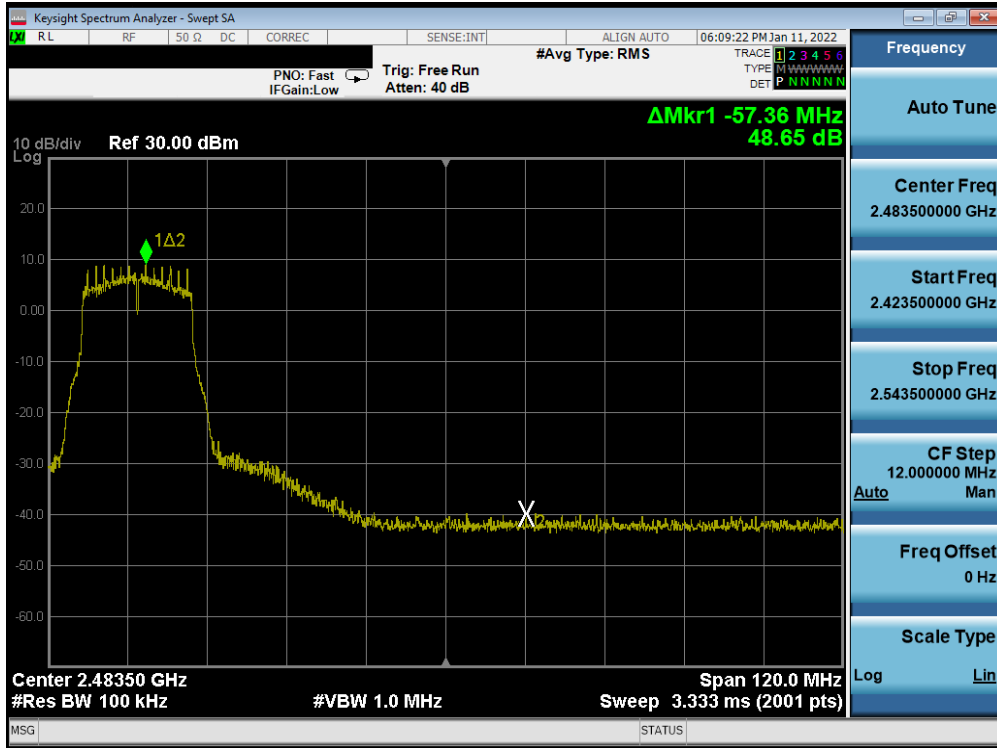


Plot 7-179. Band Edge Plot Antenna WF8 (802.11g – Ch. 5) – 6Mbps

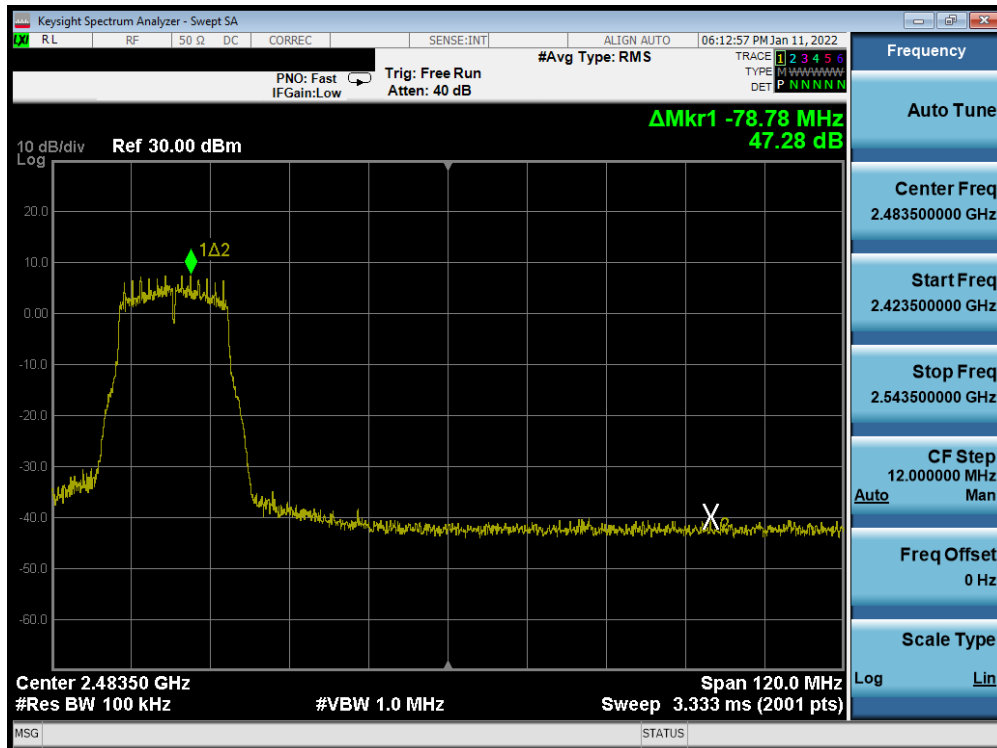


Plot 7-180. Band Edge Plot Antenna WF8 (802.11g – Ch. 6 (low)) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 138 of 443

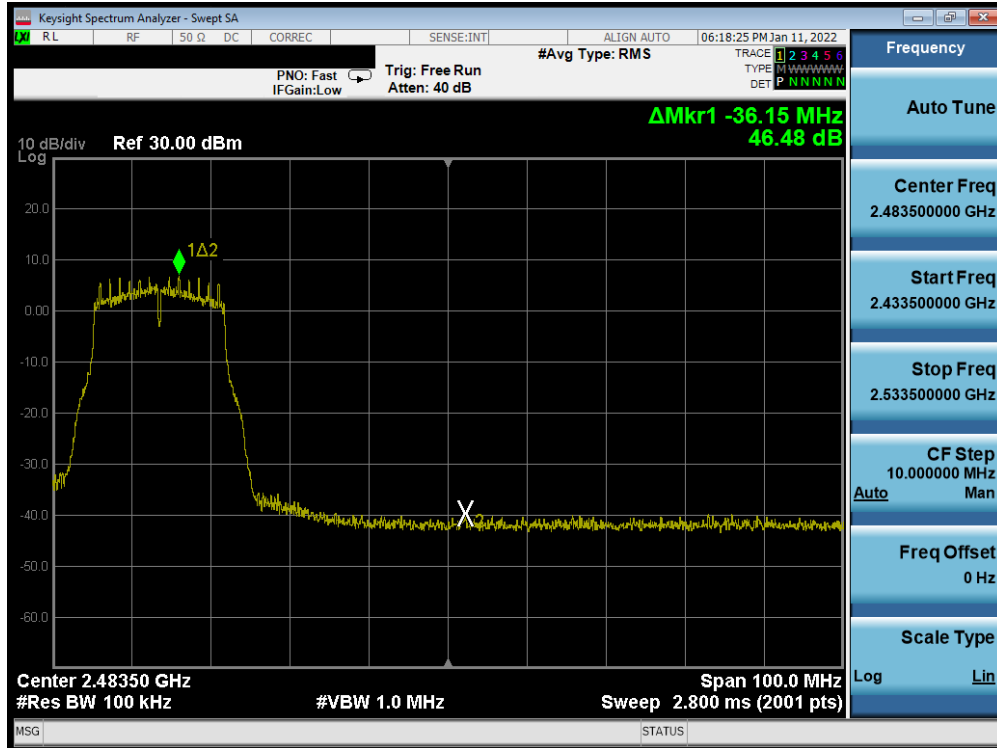


Plot 7-181. Band Edge Plot Antenna WF8 (802.11g – Ch. 6 (high)) – 6Mbps

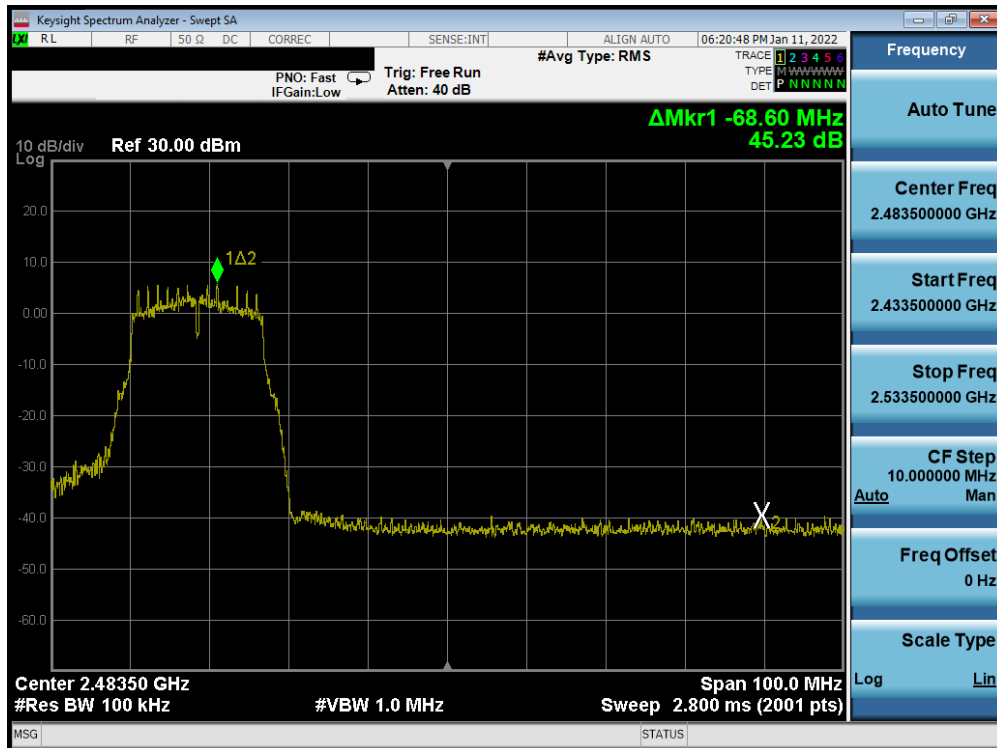


Plot 7-182. Band Edge Plot Antenna WF8 (802.11g – Ch. 7) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 139 of 443



Plot 7-183. Band Edge Plot Antenna WF8 (802.11g – Ch. 8) – 6Mbps

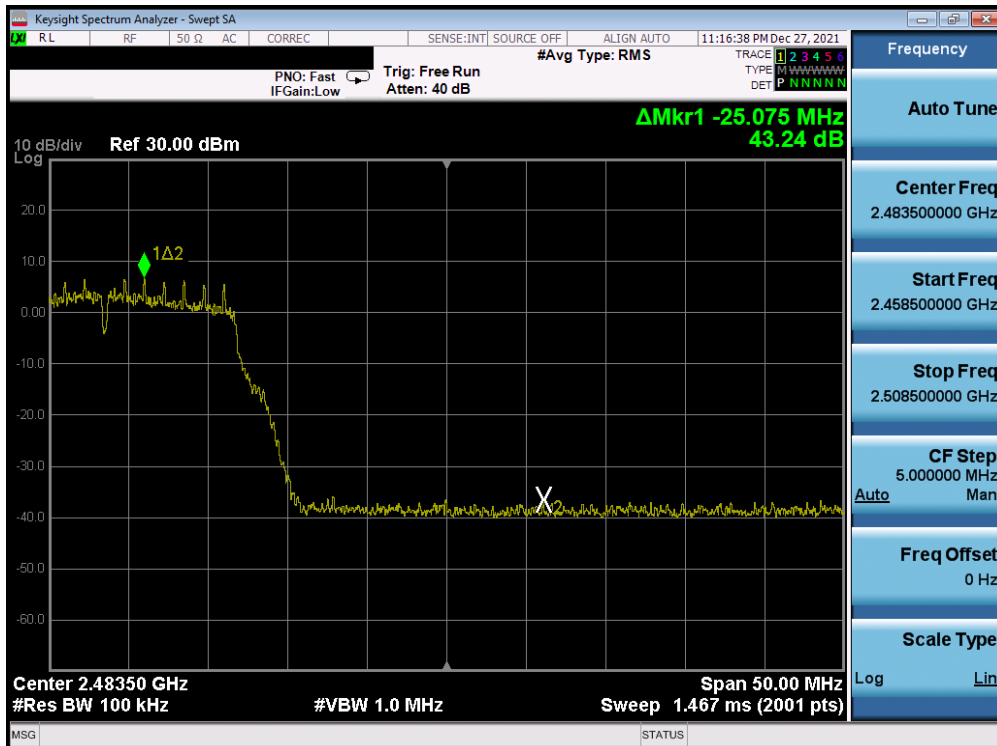


Plot 7-184. Band Edge Plot Antenna WF8 (802.11g – Ch. 9) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device
Page 140 of 443		

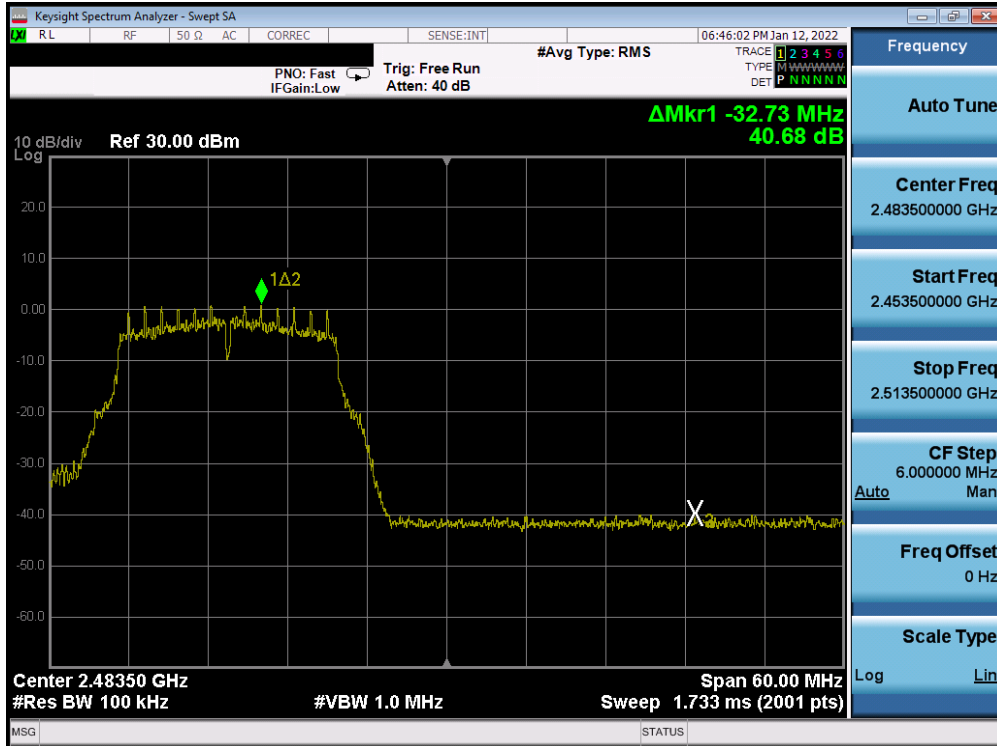


Plot 7-185. Band Edge Plot Antenna WF8 (802.11g – Ch. 10) – 6Mbps

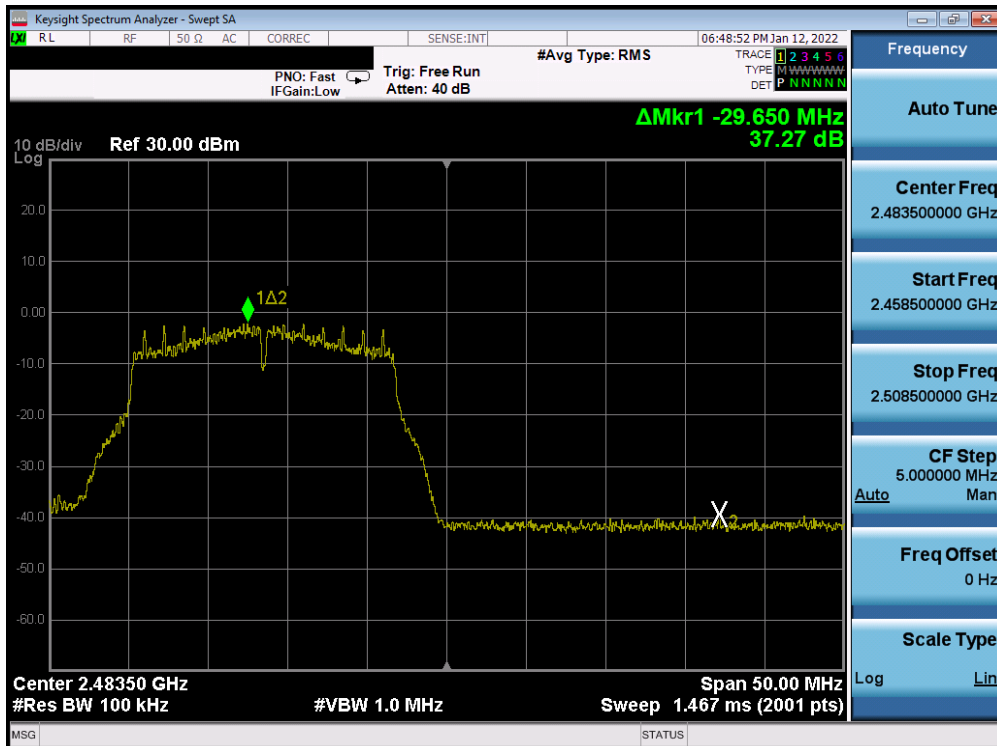


Plot 7-186. Band Edge Plot Antenna WF8 (802.11g – Ch. 11) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 141 of 443



Plot 7-187. Band Edge Plot Antenna WF8 (802.11g – Ch. 12) – 6Mbps



Plot 7-188. Band Edge Plot Antenna WF8 (802.11g – Ch. 13) – 6Mbps

FCC ID: BCGA2588 IC: 579C-A2588	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150078-01.BCG	Test Dates: 12/02/2021 - 02/04/2022	EUT Type: Tablet Device	Page 142 of 443