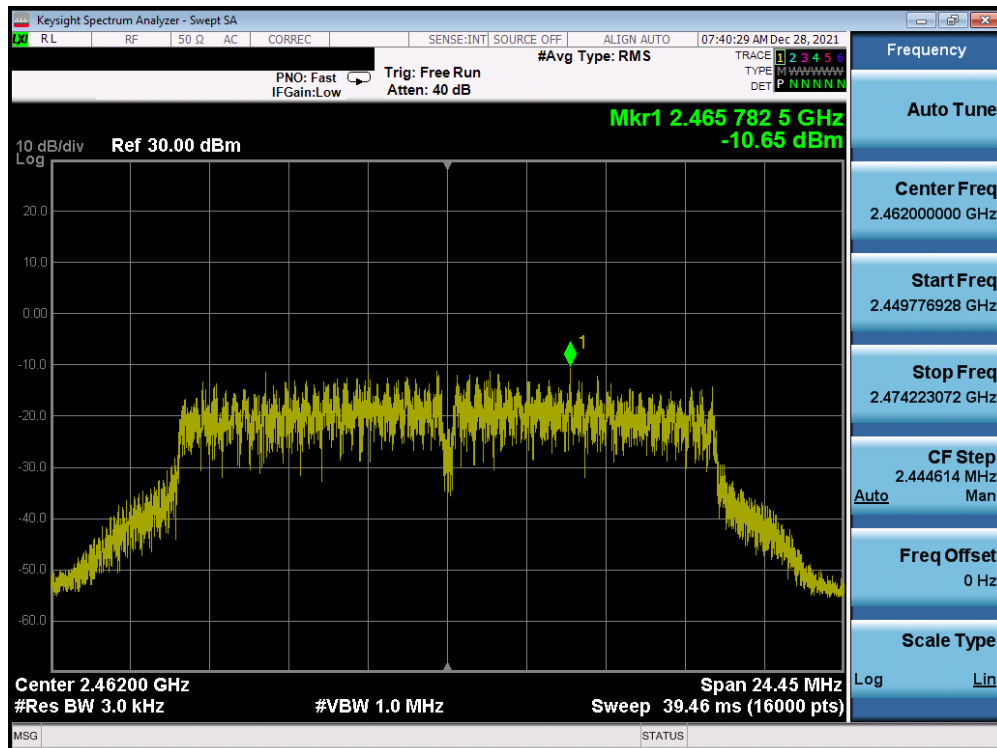
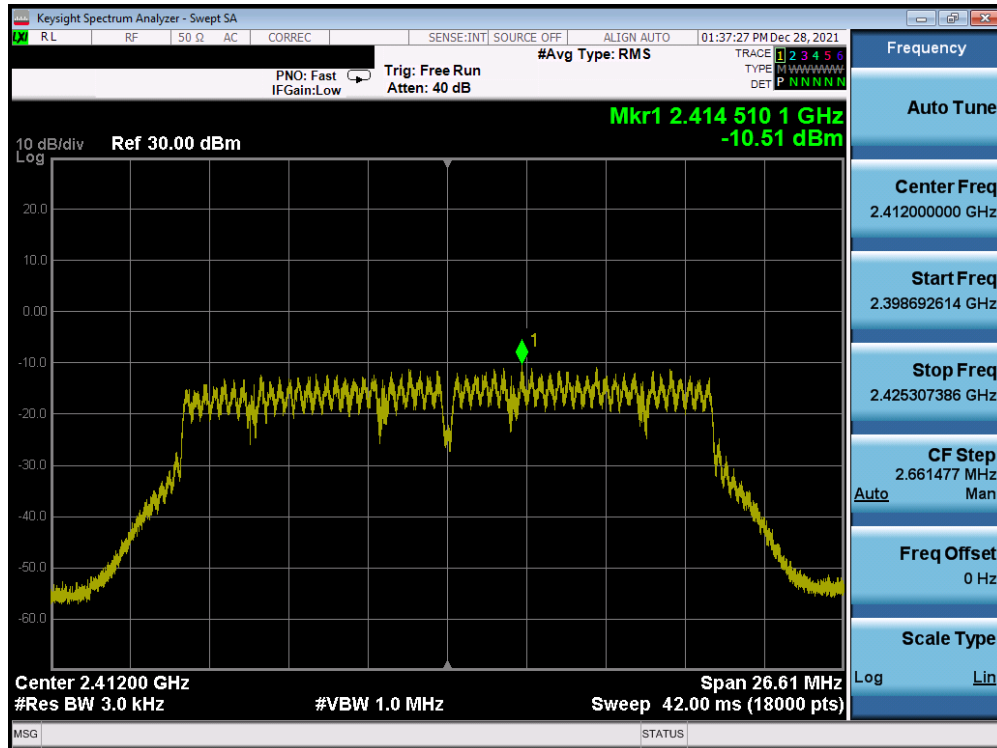


Plot 7-83. Power Spectral Density Plot Antenna 3a (802.11g – Ch. 6) – 36Mbps

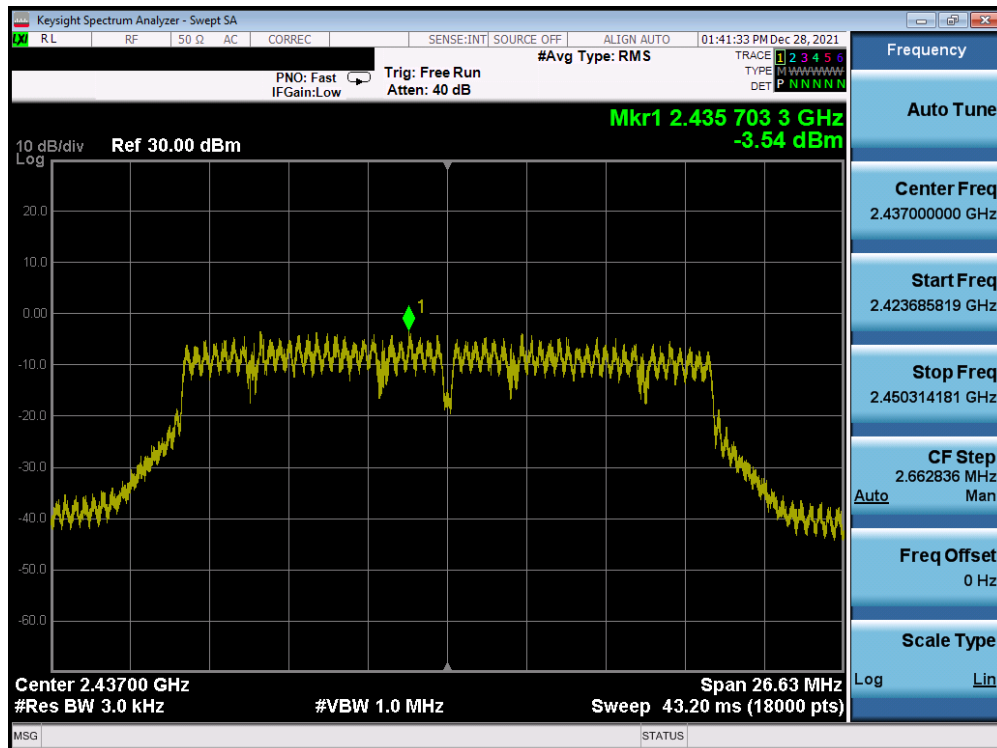


Plot 7-84. Power Spectral Density Plot Antenna 3a (802.11g – Ch. 11) – 36Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 83 of 419

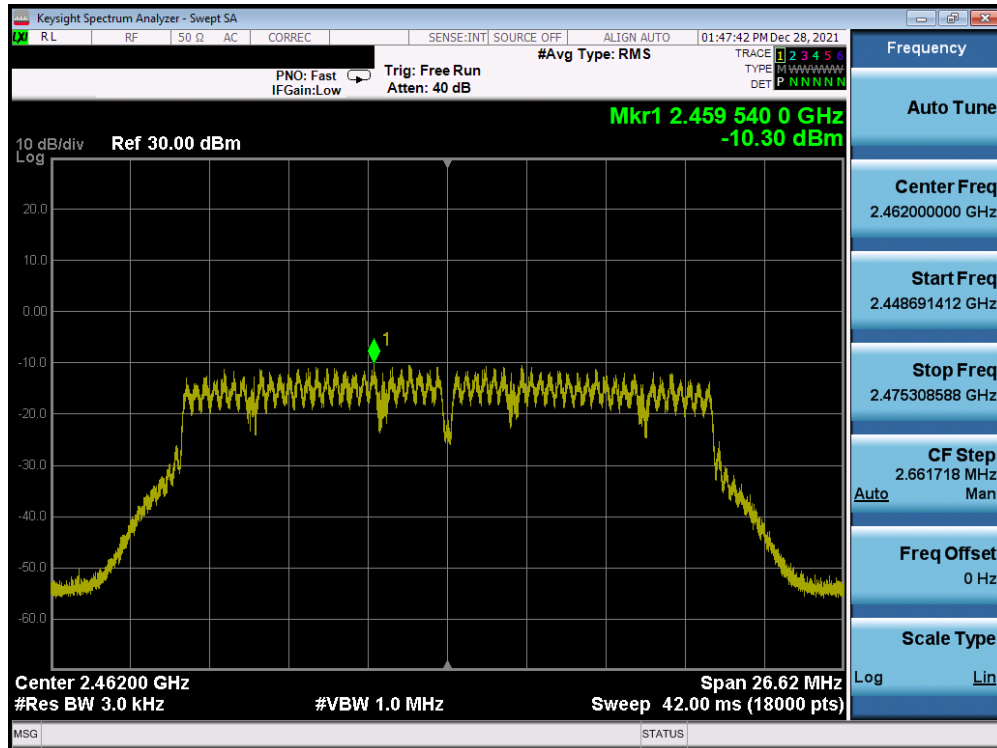


Plot 7-85. Power Spectral Density Plot Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS5

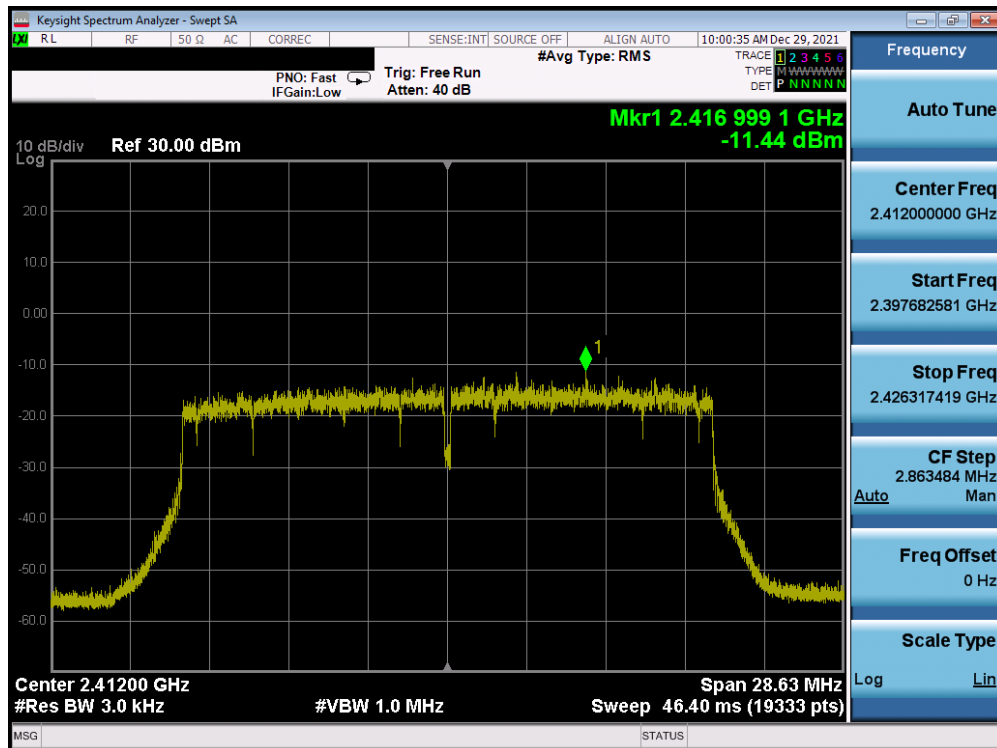


Plot 7-86. Power Spectral Density Plot Antenna 3a (802.11n (2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 84 of 419

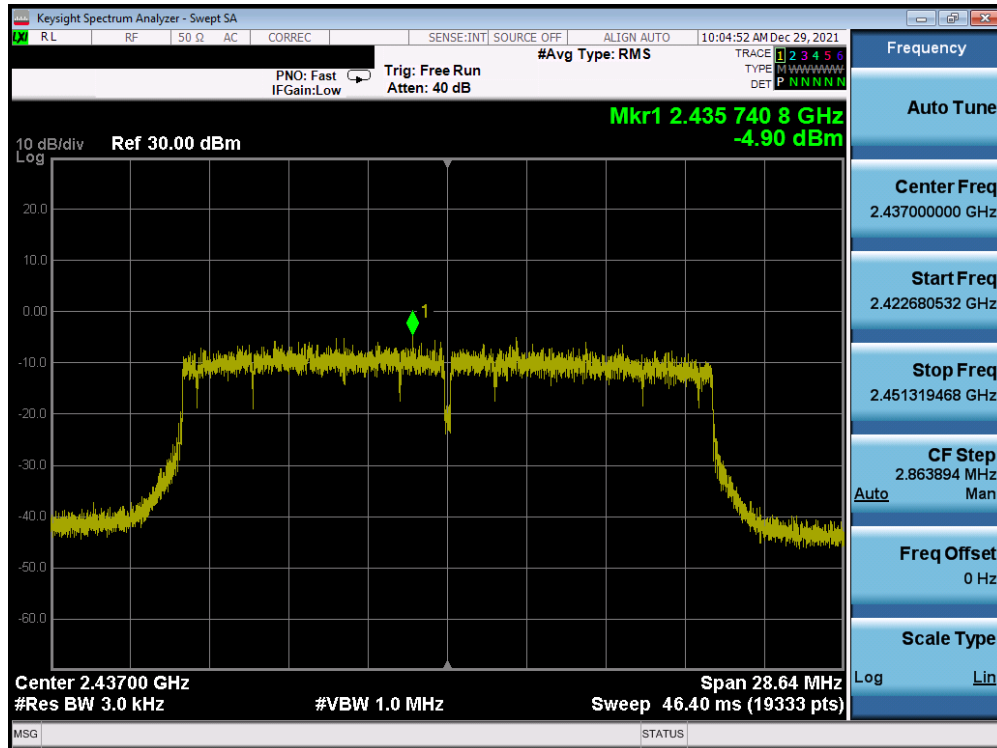


Plot 7-87. Power Spectral Density Plot Antenna 3a (802.11n (2.4GHz) – Ch. 11) – MCS5

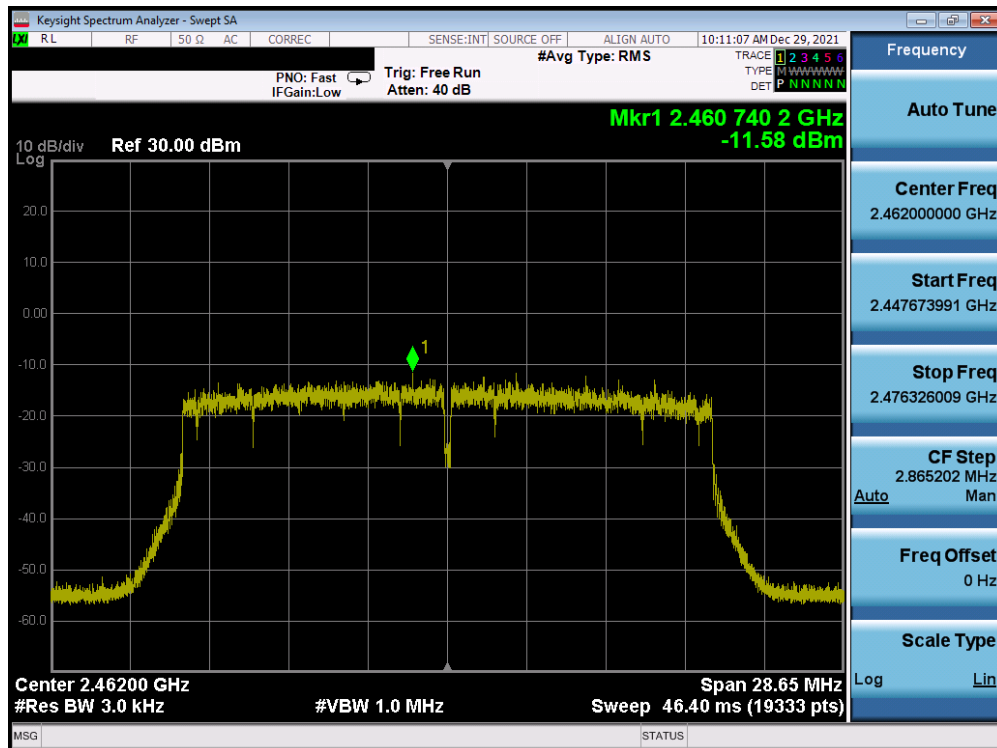


Plot 7-88. Power Spectral Density Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 85 of 419



Plot 7-89. Power Spectral Density Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5



Plot 7-90. Power Spectral Density Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 86 of 419

Antenna 1a 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	6	-10.72	8.00	-18.72	Pass
2437	6	g	6	-1.86	8.00	-9.86	Pass
2462	11	g	6	-9.24	8.00	-17.24	Pass
2412	1	n	6.5/7.2 (MCS0)	-10.28	8.00	-18.28	Pass
2437	6	n	6.5/7.2 (MCS0)	-2.41	8.00	-10.41	Pass
2462	11	n	6.5/7.2 (MCS0)	-8.83	8.00	-16.83	Pass
2412	1	ax (SU)	8/8.6 (MCS0)	-11.28	8.00	-19.28	Pass
2437	6	ax (SU)	8/8.6 (MCS0)	-3.61	8.00	-11.61	Pass
2462	11	ax (SU)	8/8.6 (MCS0)	-10.69	8.00	-18.69	Pass

Table 7-41. Conducted Power Density Measurements Antenna 1a (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	-11.93	8.00	-19.93	Pass
2437	6	g	18	-2.55	8.00	-10.55	Pass
2462	11	g	18	-10.56	8.00	-18.56	Pass
2412	1	n	26/28.9 (MCS3)	-10.49	8.00	-18.49	Pass
2437	6	n	26/28.9 (MCS3)	-3.51	8.00	-11.51	Pass
2462	11	n	26/28.9 (MCS3)	-8.85	8.00	-16.85	Pass
2412	1	ax (SU)	33/34.4 (MCS3)	-10.50	8.00	-18.50	Pass
2437	6	ax (SU)	33/34.4 (MCS3)	-4.28	8.00	-12.28	Pass
2462	11	ax (SU)	33/34.4 (MCS3)	-10.25	8.00	-18.25	Pass

Table 7-42. Conducted Power Density Measurements Antenna 1a (Mid Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 87 of 419

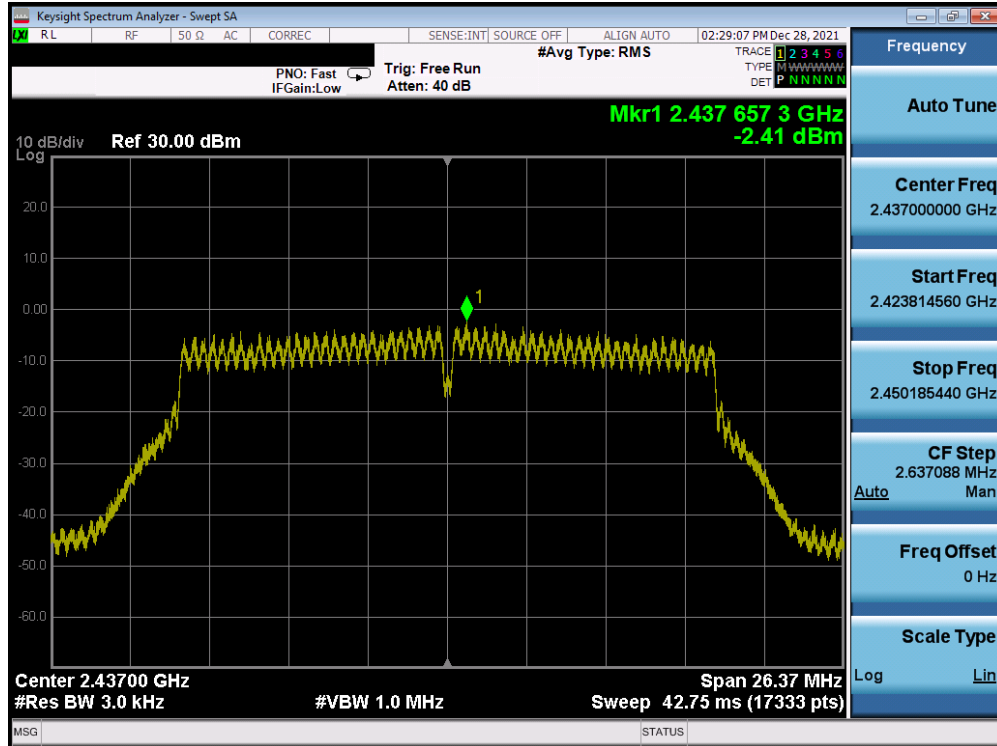
Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]	Measured Power Spectral Density [dBm / 3kHz]	Maximum Permissible Power Density [dBm / 3kHz]	Margin [dB]	Pass / Fail
2412	1	b	11	-1.29	8.00	-9.29	Pass
2437	6	b	11	0.05	8.00	-7.95	Pass
2462	11	b	11	-0.99	8.00	-8.99	Pass
2412	1	g	36	-11.12	8.00	-19.12	Pass
2437	6	g	36	-3.66	8.00	-11.66	Pass
2462	11	g	36	-10.98	8.00	-18.98	Pass
2412	1	n	52/57.8 (MCS5)	-10.95	8.00	-18.95	Pass
2437	6	n	52/57.8 (MCS5)	-3.24	8.00	-11.24	Pass
2462	11	n	52/57.8 (MCS5)	-9.45	8.00	-17.45	Pass
2412	1	ax (SU)	65/68.8 (MCS5)	-11.55	8.00	-19.55	Pass
2437	6	ax (SU)	65/68.8 (MCS5)	-4.50	8.00	-12.50	Pass
2462	11	ax (SU)	65/68.8 (MCS5)	-11.48	8.00	-19.48	Pass

Table 7-43. Conducted Power Density Measurements Antenna 1a (High Data Rate)

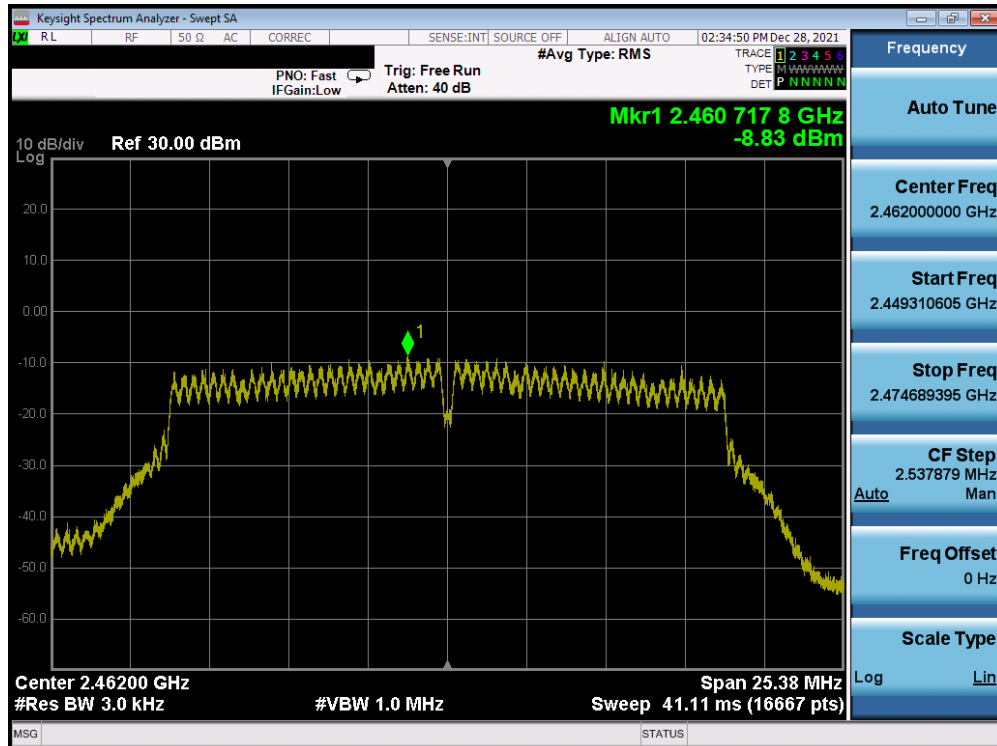
FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device



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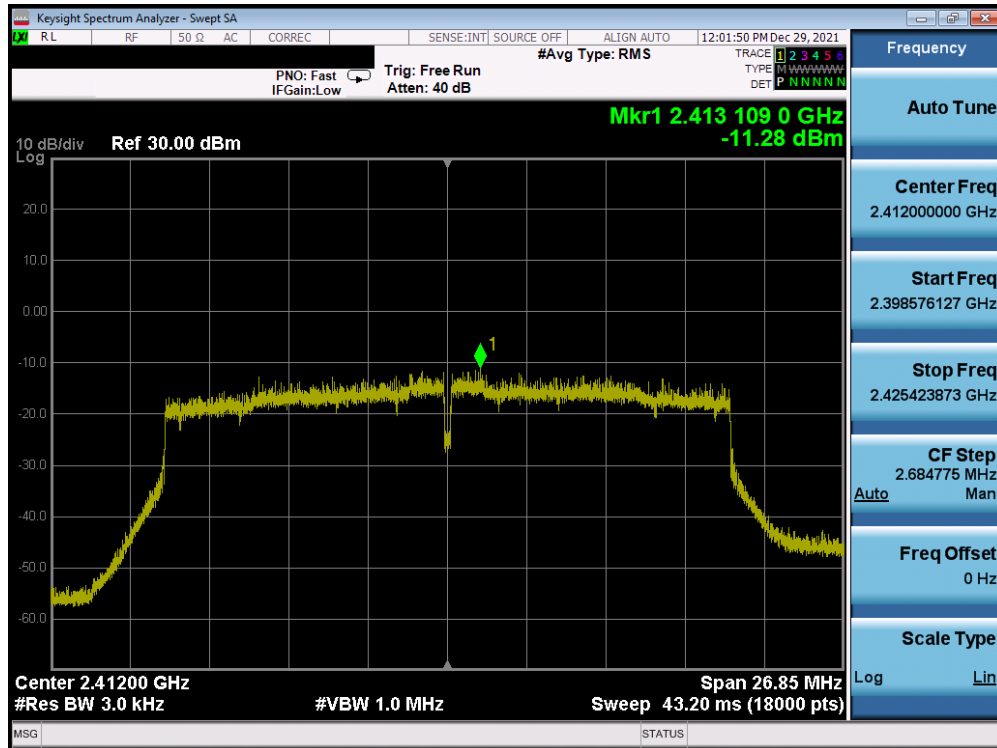


Plot 7-95. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 6) – MCS0

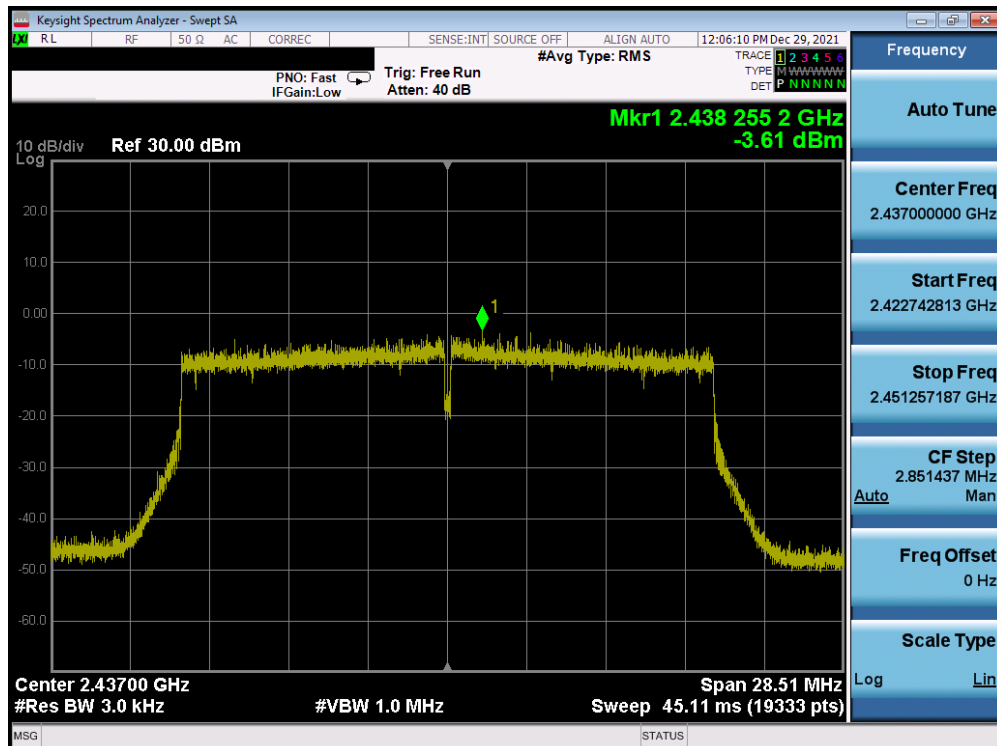


Plot 7-96. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 11) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 91 of 419

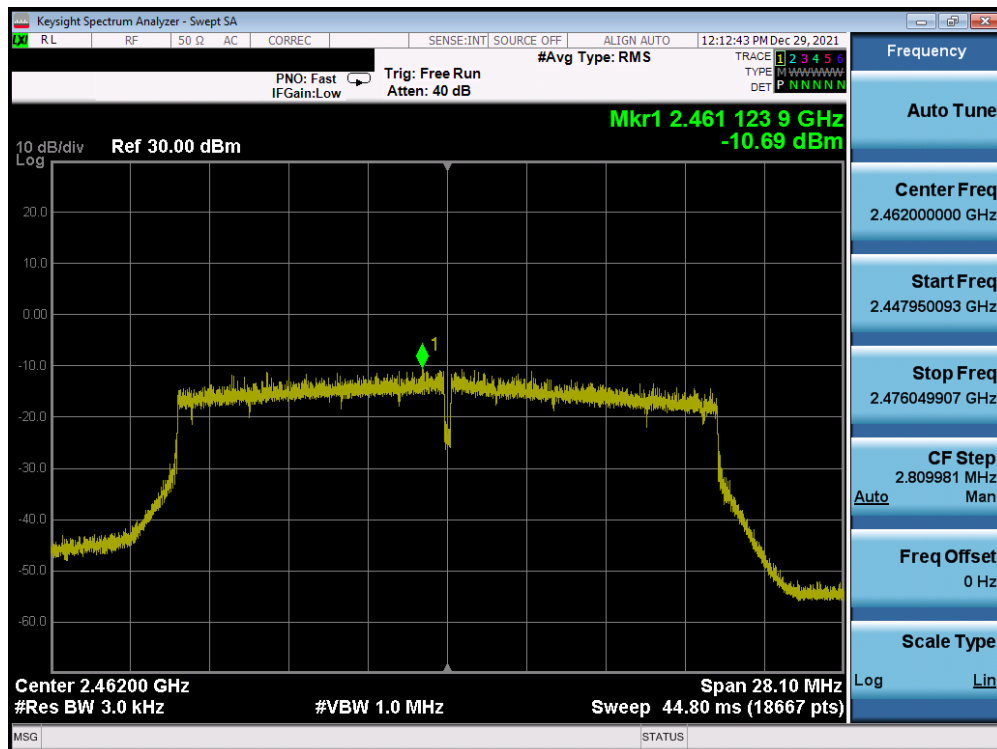


Plot 7-97. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0



Plot 7-98. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 92 of 419

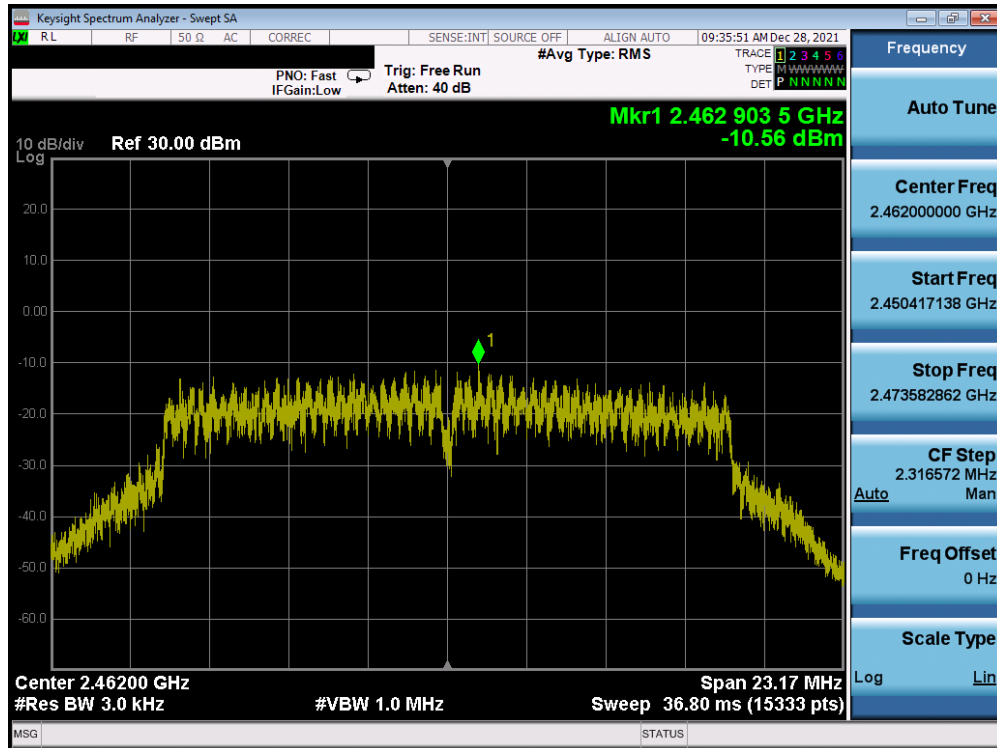


Plot 7-99. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0

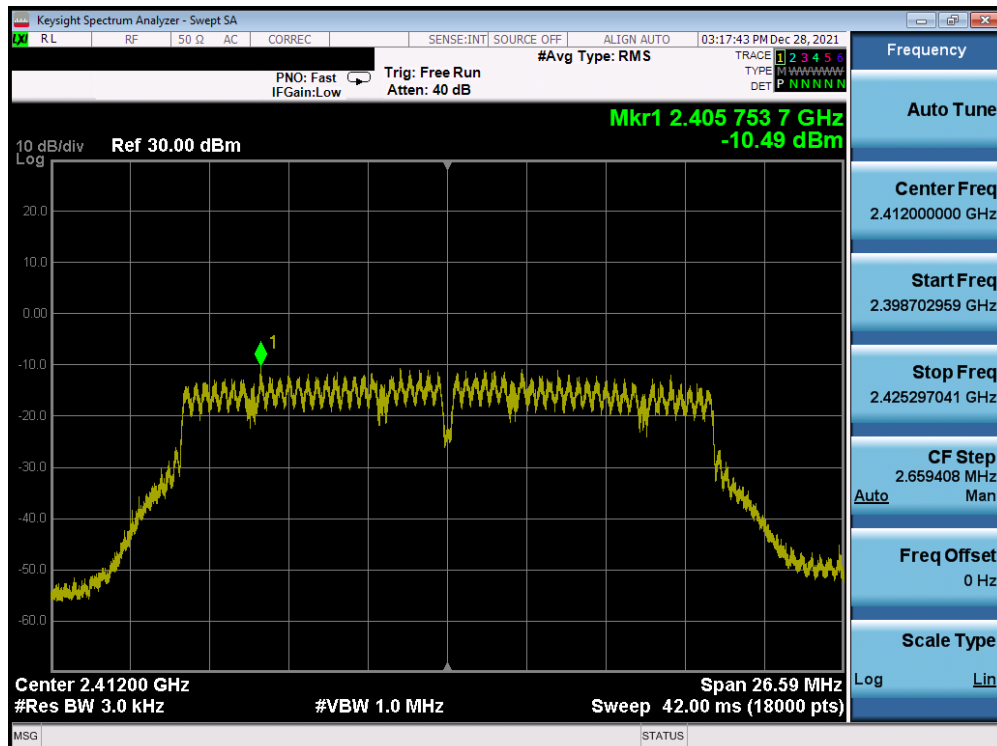
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 93 of 419



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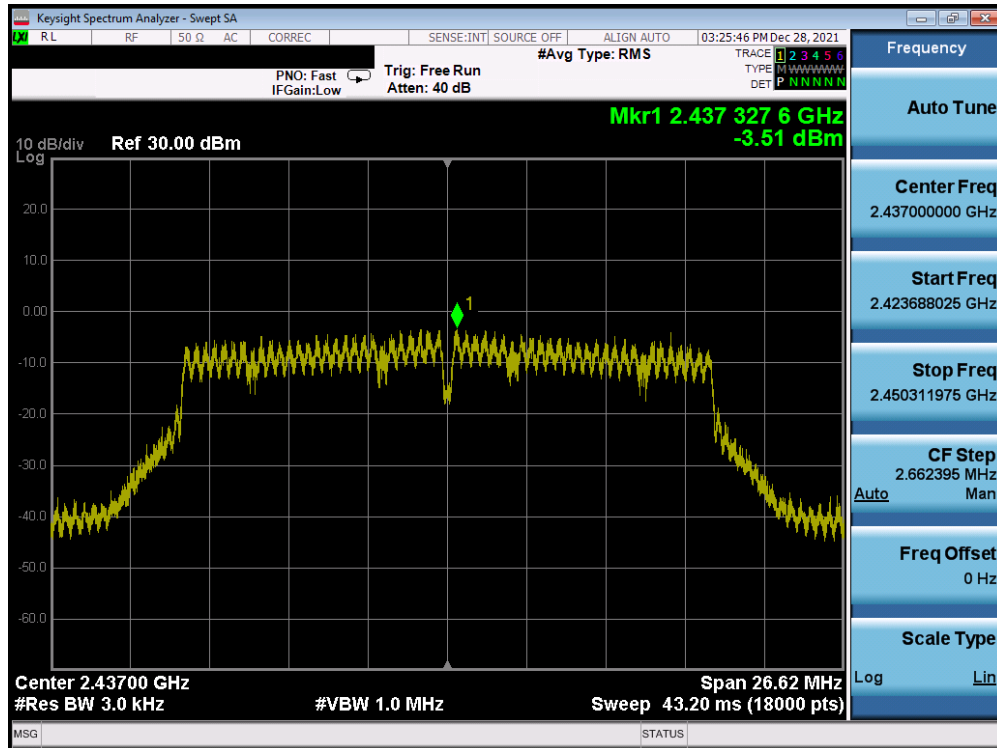


Plot 7-102. Power Spectral Density Plot Antenna 1a (802.11g – Ch. 11) – 18Mbps

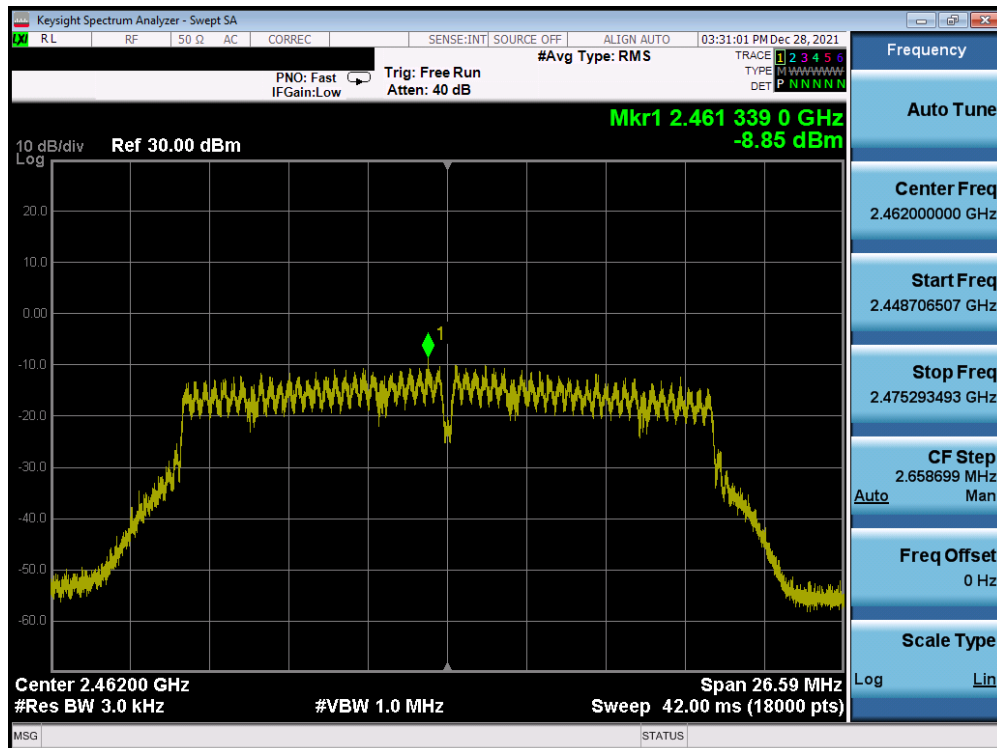


Plot 7-103. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 95 of 419

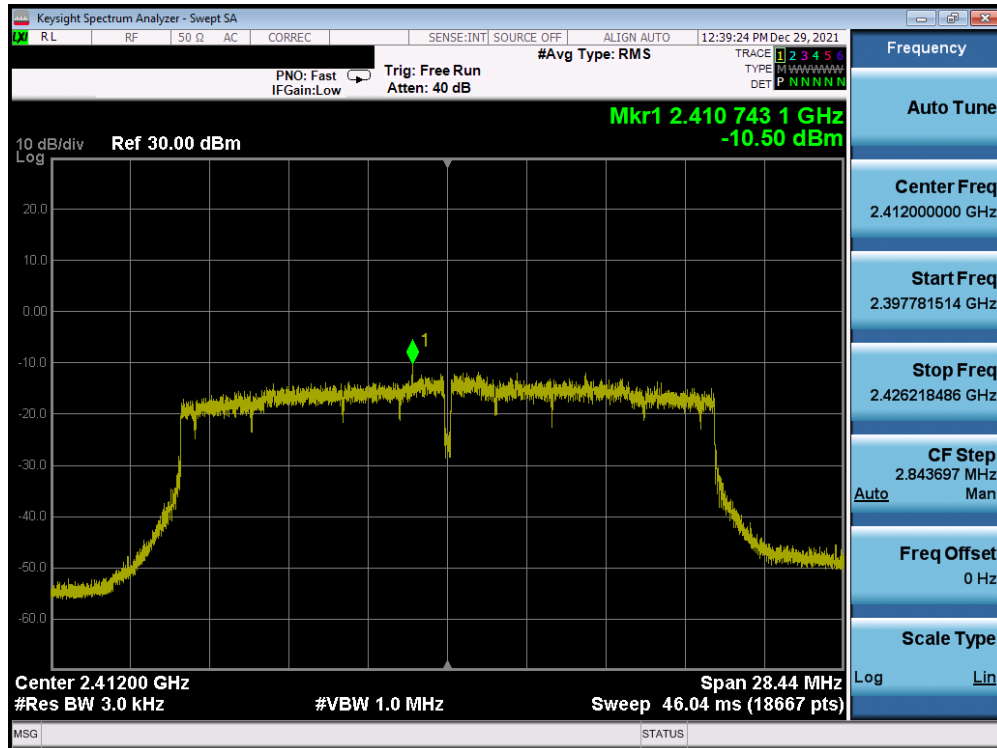


Plot 7-104. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 6) – MCS3

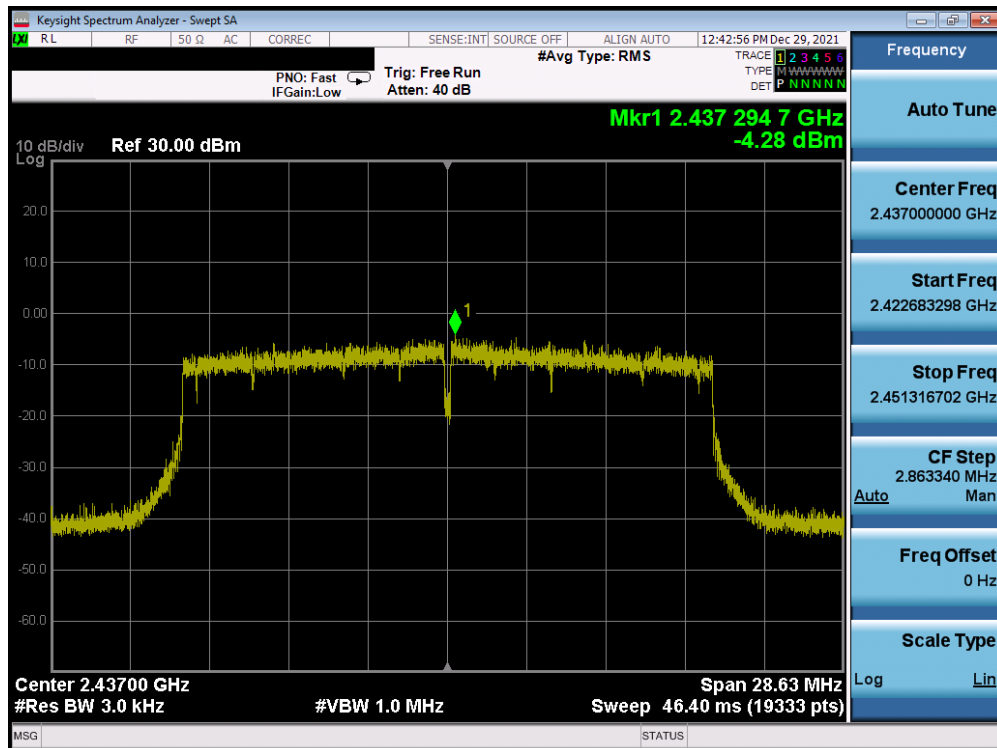


Plot 7-105. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 96 of 419

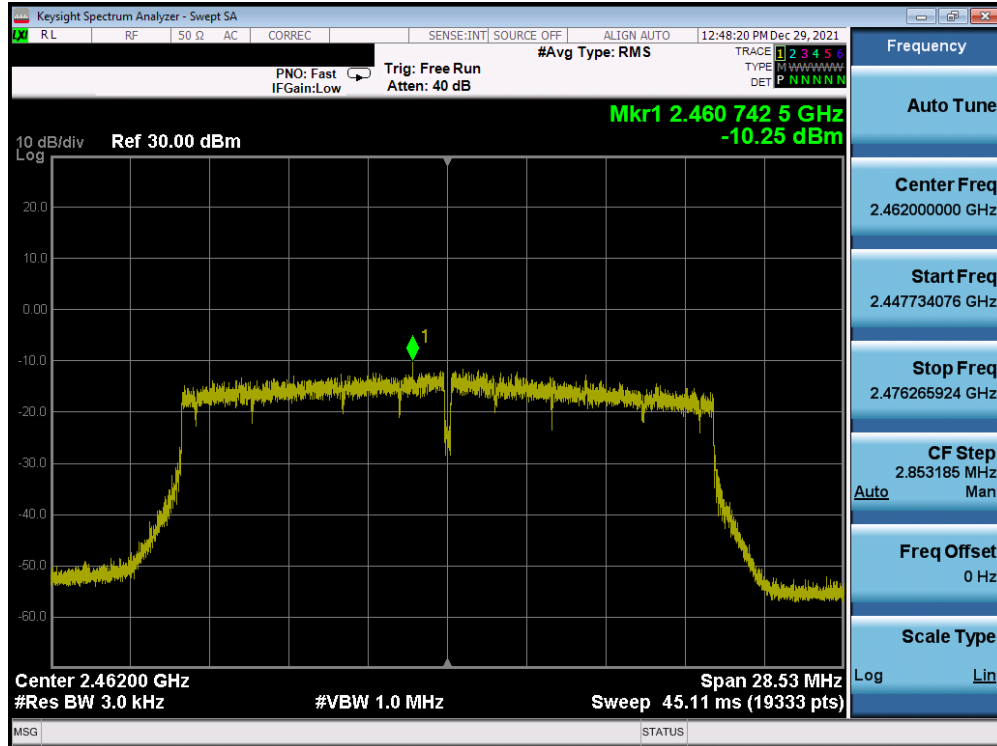


Plot 7-106. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3



Plot 7-107. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

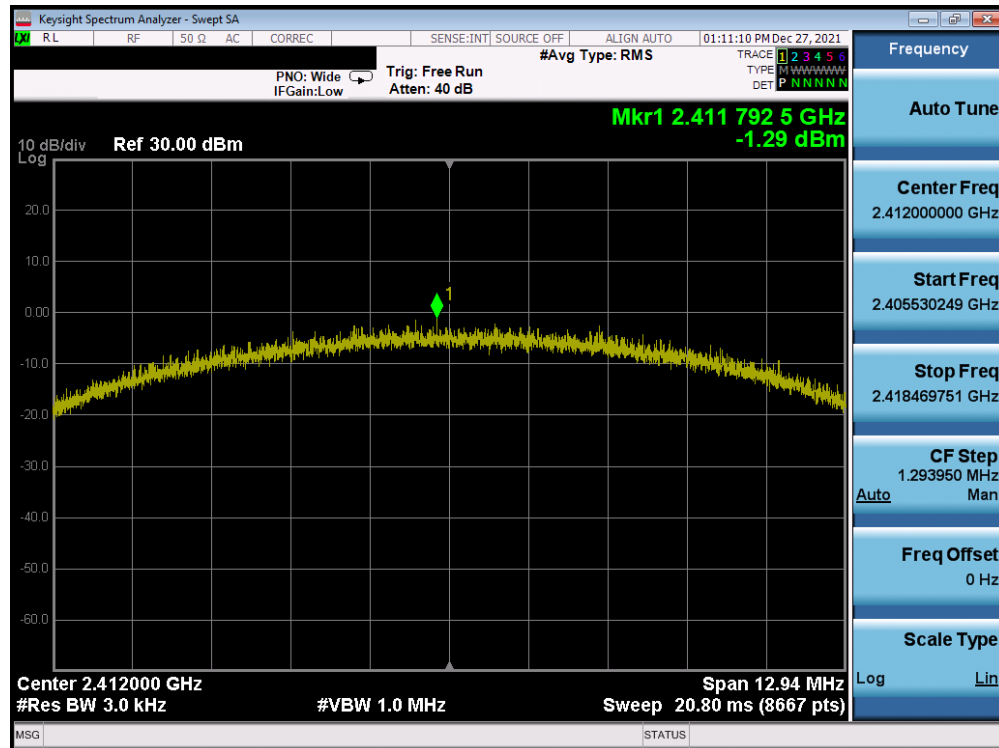
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 97 of 419



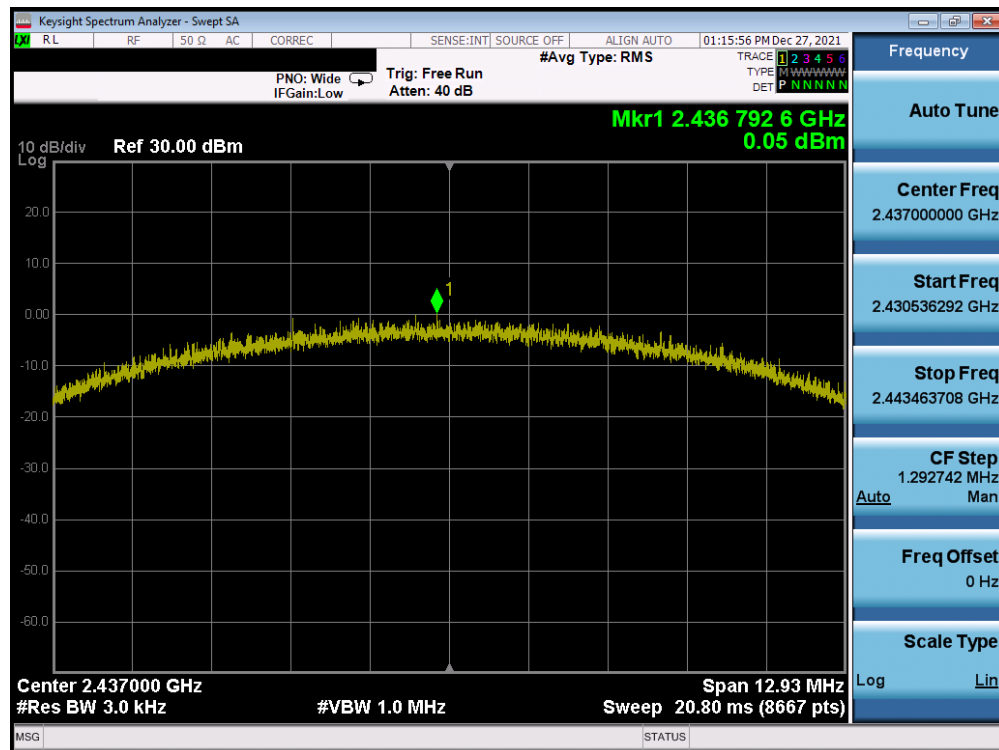
Plot 7-108. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 98 of 419

High Data Rate

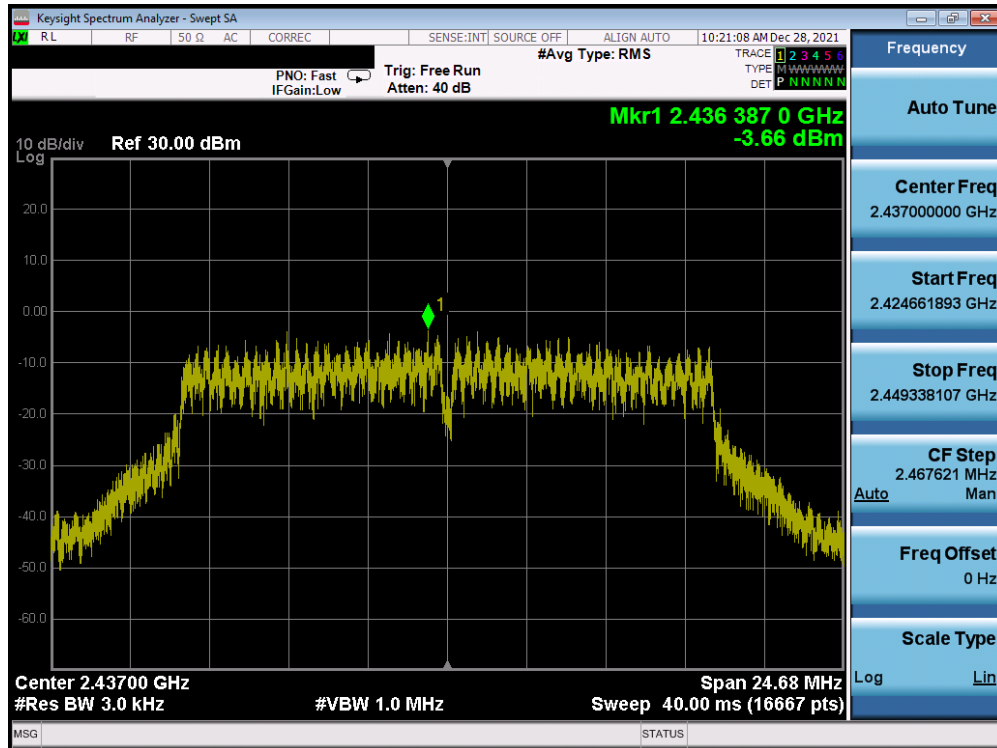


Plot 7-109. Power Spectral Density Plot Antenna 1a (802.11b – Ch. 1) – 11Mbps

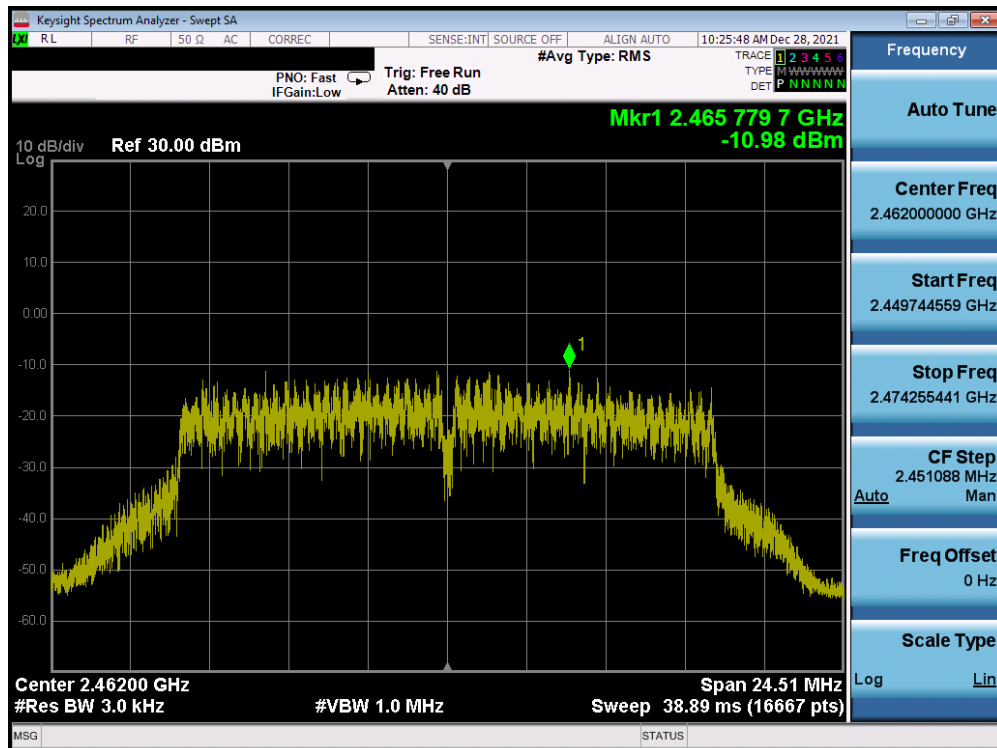


Plot 7-110. Power Spectral Density Plot Antenna 1a (802.11b – Ch. 6) – 11Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 99 of 419

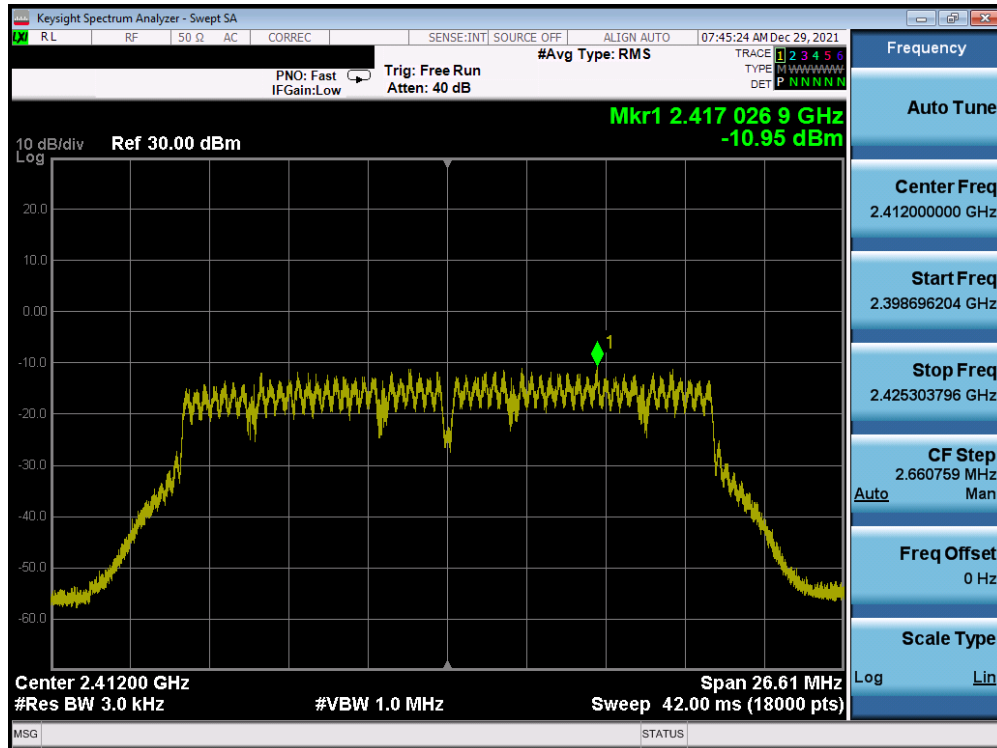


Plot 7-113. Power Spectral Density Plot Antenna 1a (802.11g – Ch. 6) – 36Mbps

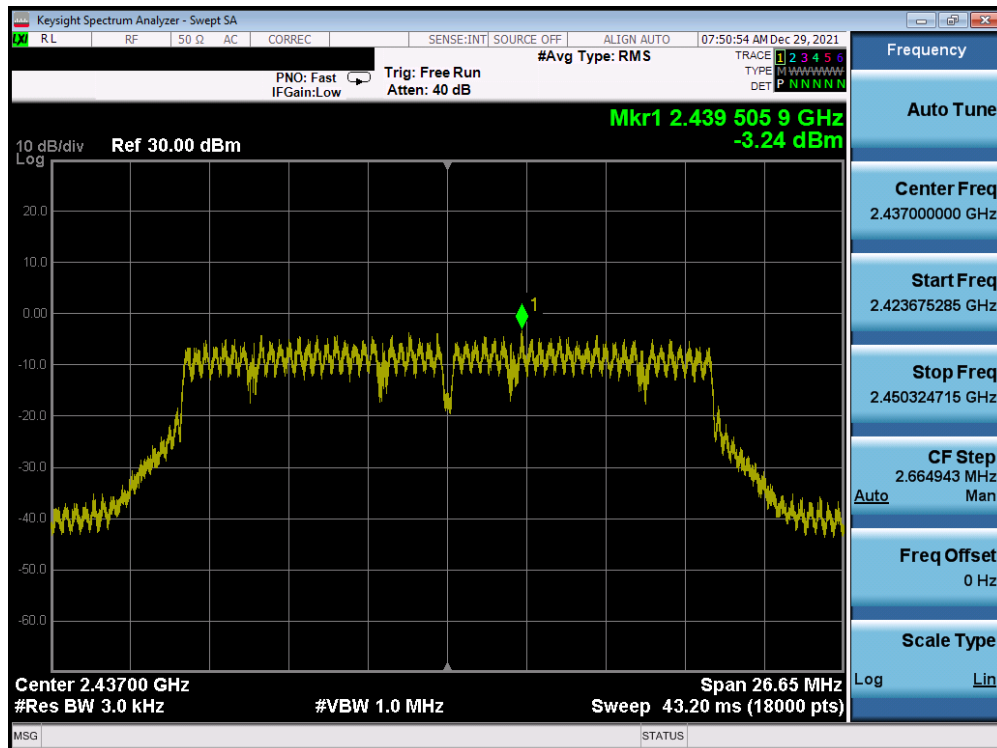


Plot 7-114. Power Spectral Density Plot Antenna 1a (802.11g – Ch. 11) – 36Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 101 of 419

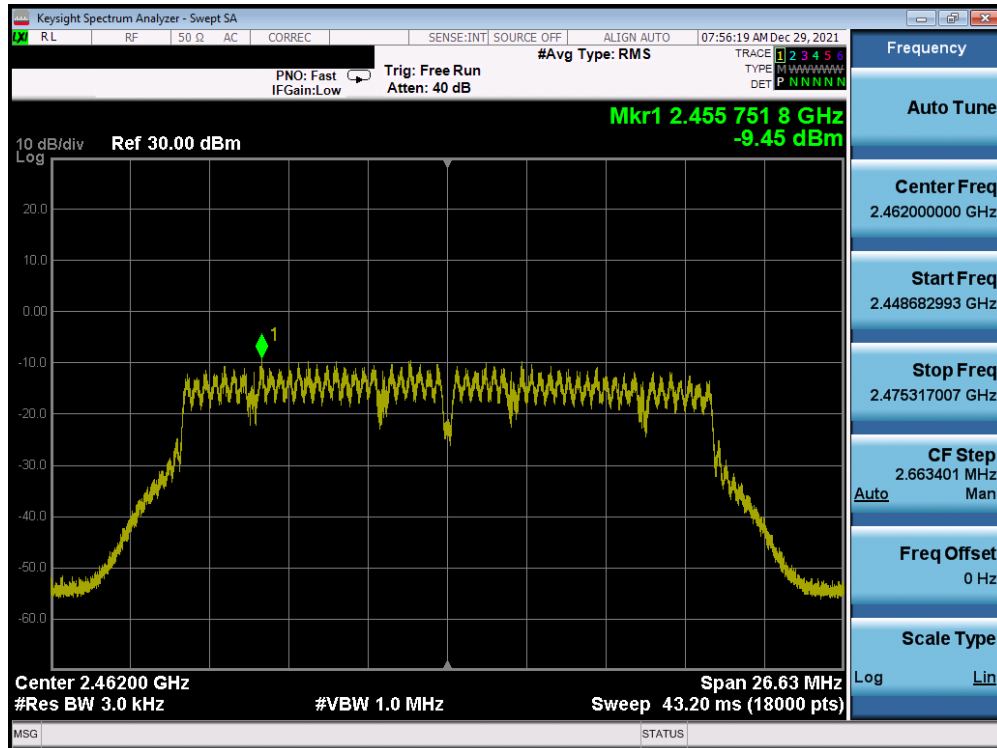


Plot 7-115. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 1) – MCS5

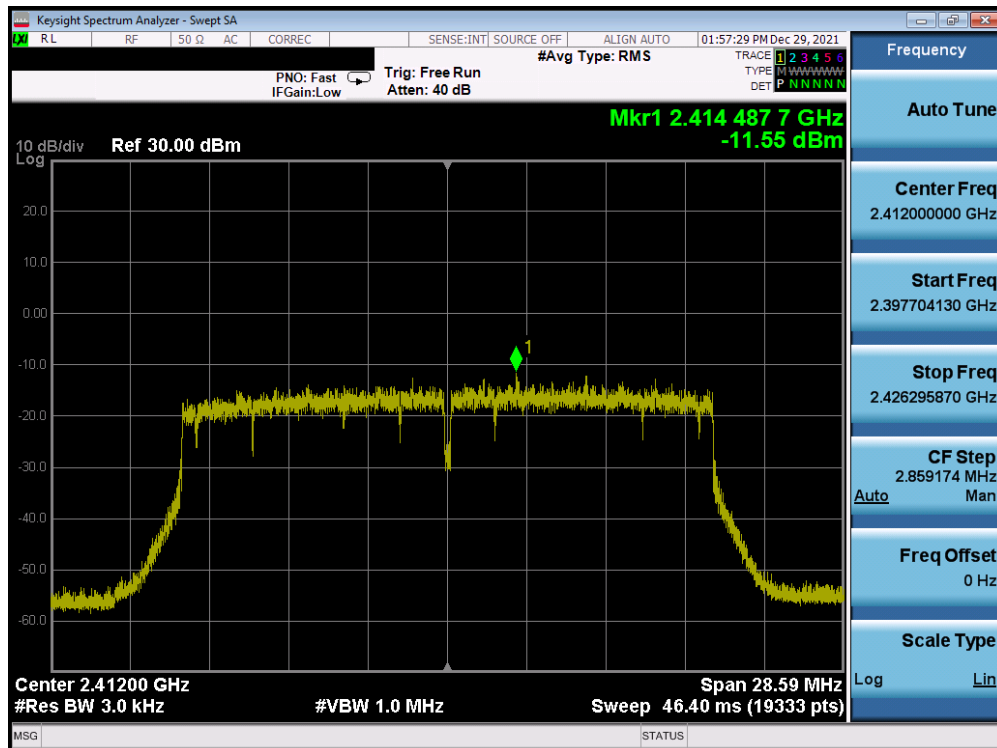


Plot 7-116. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 102 of 419

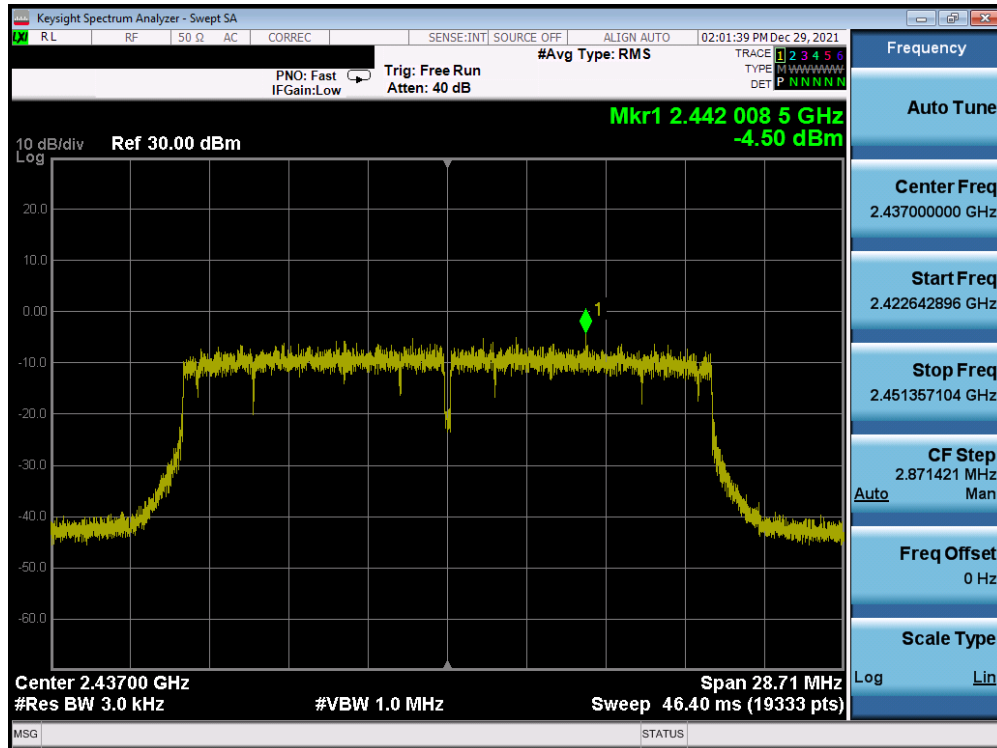


Plot 7-117. Power Spectral Density Plot Antenna 1a (802.11n (2.4GHz) – Ch. 11) – MCS5

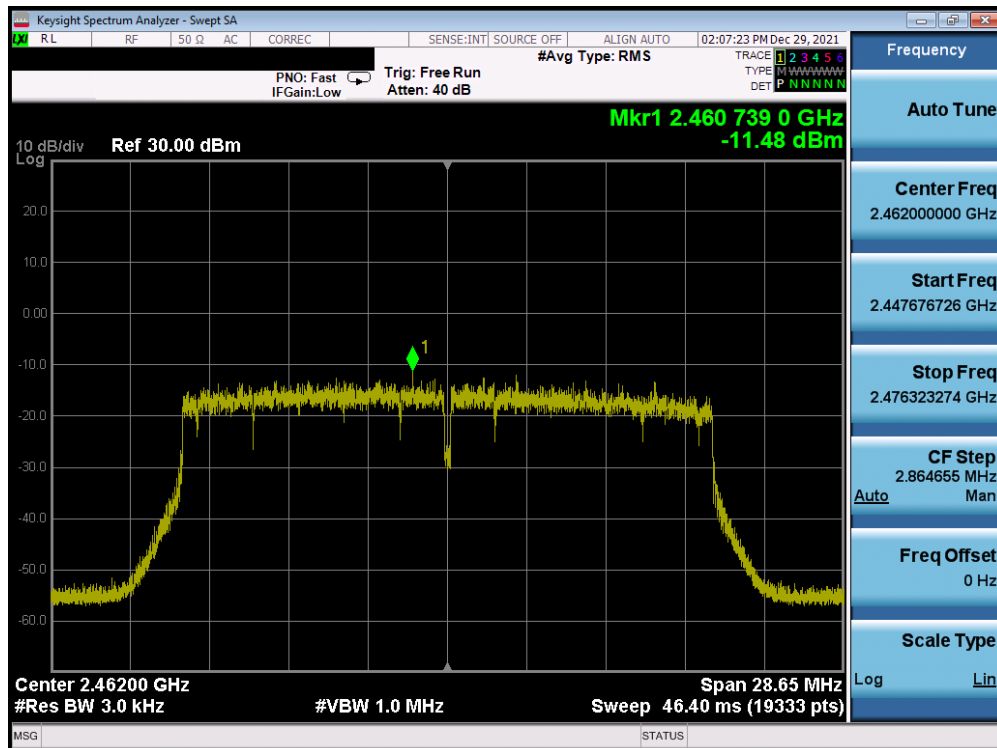


Plot 7-118. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 103 of 419



Plot 7-119. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5



Plot 7-120. Power Spectral Density Plot Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 104 of 419

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 3a	Antenna 1a	Summed CDD			
2412	1	g	6	-10.61	-10.75	-7.67	8.00	-15.67	Pass
2437	6	g	6	-4.61	-4.80	-1.69	8.00	-9.69	Pass
2462	11	g	6	-8.89	-8.96	-5.92	8.00	-13.92	Pass
2412	1	n	13/14.4 (MCS8)	-9.16	-10.56	-6.79	8.00	-14.79	Pass
2437	6	n	13/14.4 (MCS8)	-2.40	-3.00	0.32	8.00	-7.68	Pass
2462	11	n	13/14.4 (MCS8)	-8.01	-9.18	-5.55	8.00	-13.55	Pass
2412	1	ax (SU)	16/17.2 (MCS0)	-11.40	-11.54	-8.46	8.00	-16.46	Pass
2437	6	ax (SU)	16/17.2 (MCS0)	-3.15	-3.11	-0.12	8.00	-8.12	Pass
2462	11	ax (SU)	16/17.2 (MCS0)	-10.37	-10.84	-7.59	8.00	-15.59	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 3a	Antenna 1a	Summed CDD			
2412	1	g	18	-13.78	-13.88	-10.82	8.00	-18.82	Pass
2437	6	g	18	-4.25	-4.32	-1.28	8.00	-9.28	Pass
2462	11	g	18	-5.86	-5.70	-2.77	8.00	-10.77	Pass
2412	1	n	52/57.8 (MCS11)	-10.33	-10.39	-7.35	8.00	-15.35	Pass
2437	6	n	52/57.8 (MCS11)	-3.65	-4.23	-0.07	8.00	-8.07	Pass
2462	11	n	52/57.8 (MCS11)	-8.58	-8.89	-5.72	8.00	-13.72	Pass
2412	1	ax (SU)	66/68.8 (MCS3)	-11.14	-12.19	-8.62	8.00	-16.62	Pass
2437	6	ax (SU)	66/68.8 (MCS3)	-2.27	-4.26	-0.14	8.00	-8.14	Pass
2462	11	ax (SU)	66/68.8 (MCS3)	-11.31	-10.59	-7.92	8.00	-15.92	Pass

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

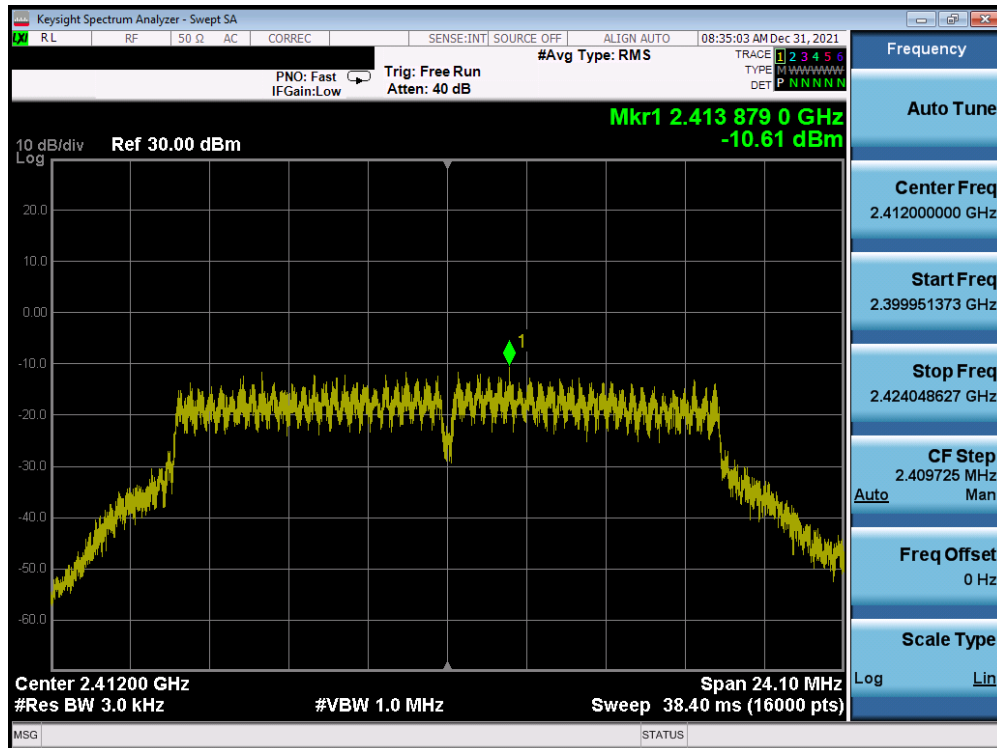
FCC ID: BCGA2589 IC: 579C-A2589	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 105 of 419

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 3a	Antenna 1a	Summed CDD			
2412	1	g	36	-13.51	-12.71	-10.08	8.00	-18.08	Pass
2437	6	g	36	-6.03	-6.64	-3.31	8.00	-11.31	Pass
2462	11	g	36	-13.50	-13.41	-10.44	8.00	-18.44	Pass
2412	1	n	104/115.6 (MCS13)	-10.18	-9.94	-7.05	8.00	-15.05	Pass
2437	6	n	104/115.6 (MCS13)	-2.80	-3.08	0.07	8.00	-7.93	Pass
2462	11	n	104/115.6 (MCS13)	-9.50	-8.93	-6.20	8.00	-14.20	Pass
2412	1	ax (SU)	130/137.6 (MCS5)	-11.59	-13.01	-9.23	8.00	-17.23	Pass
2437	6	ax (SU)	130/137.6 (MCS5)	-4.89	-5.35	-2.10	8.00	-10.10	Pass
2462	11	ax (SU)	130/137.6 (MCS5)	-11.79	-12.32	-9.04	8.00	-17.04	Pass

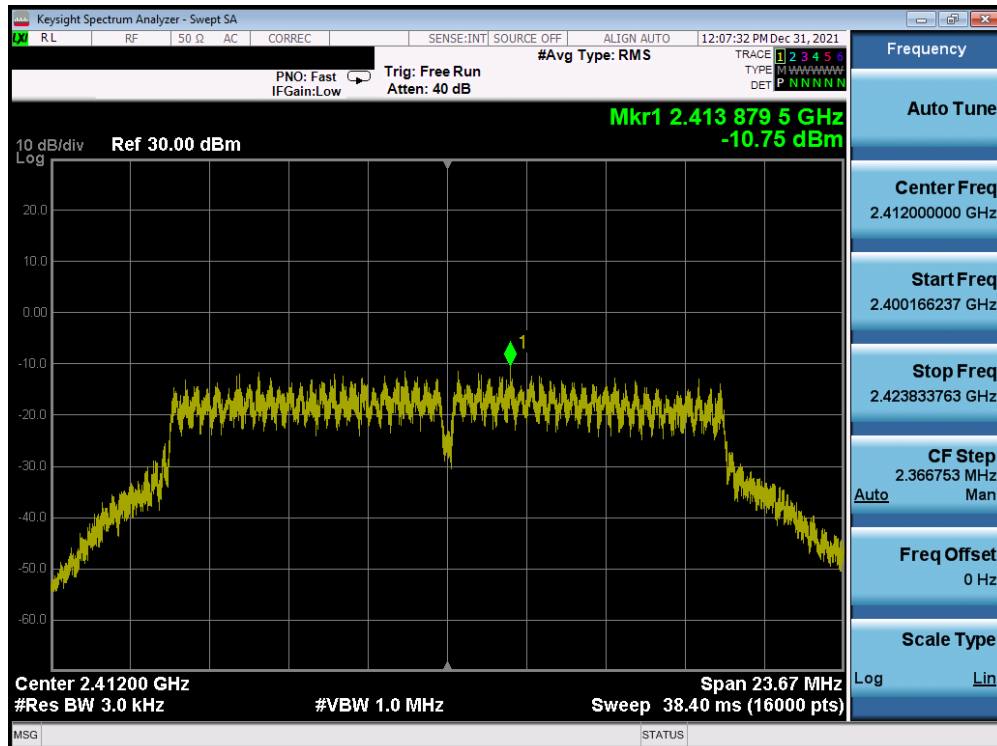
Table 7-46.CDD Conducted Power Density Measurements (High Data Rate)

FCC ID: BCGA2589 IC: 579C-A2589		 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device		Page 106 of 419

Low Data Rate

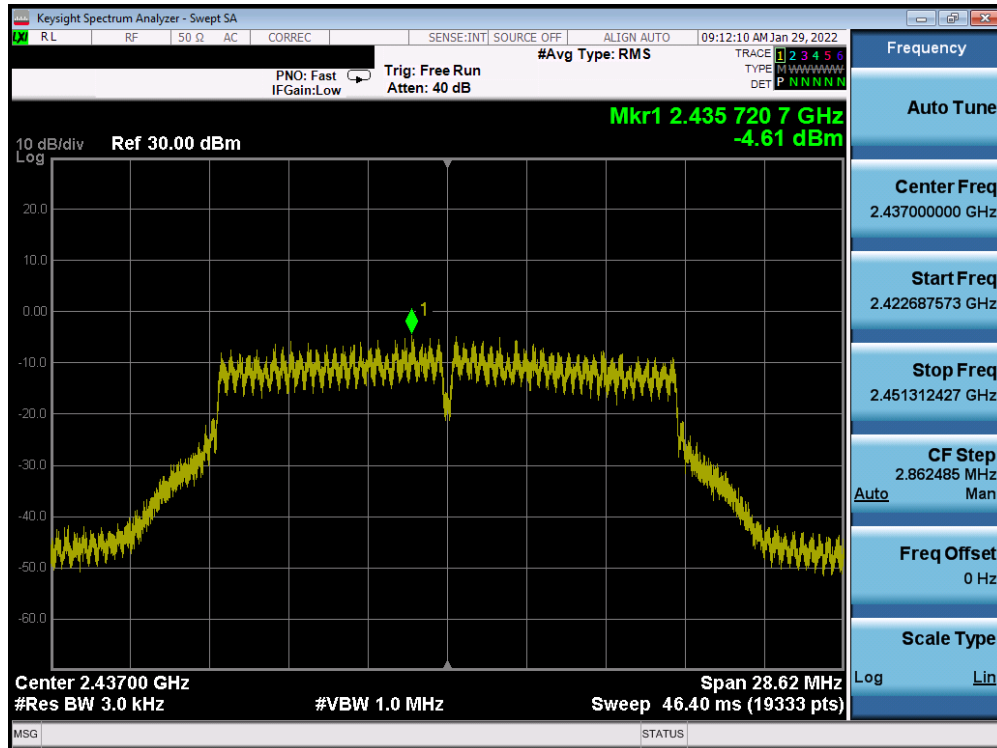


Plot 7-121. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 1) – 6Mbps

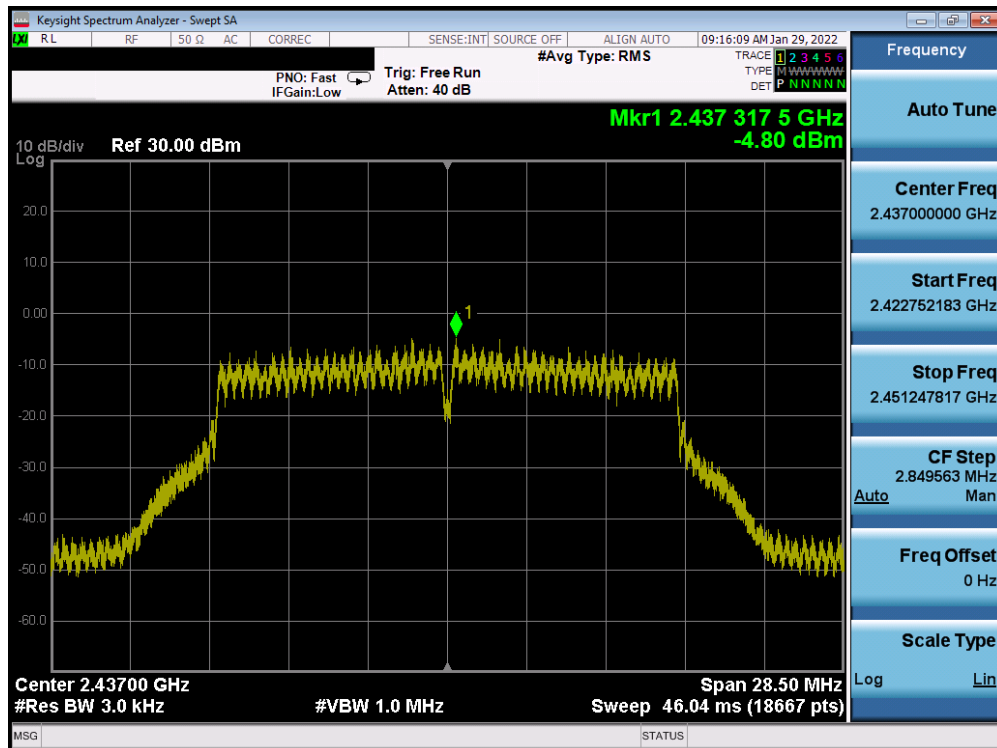


Plot 7-122. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 1) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 107 of 419

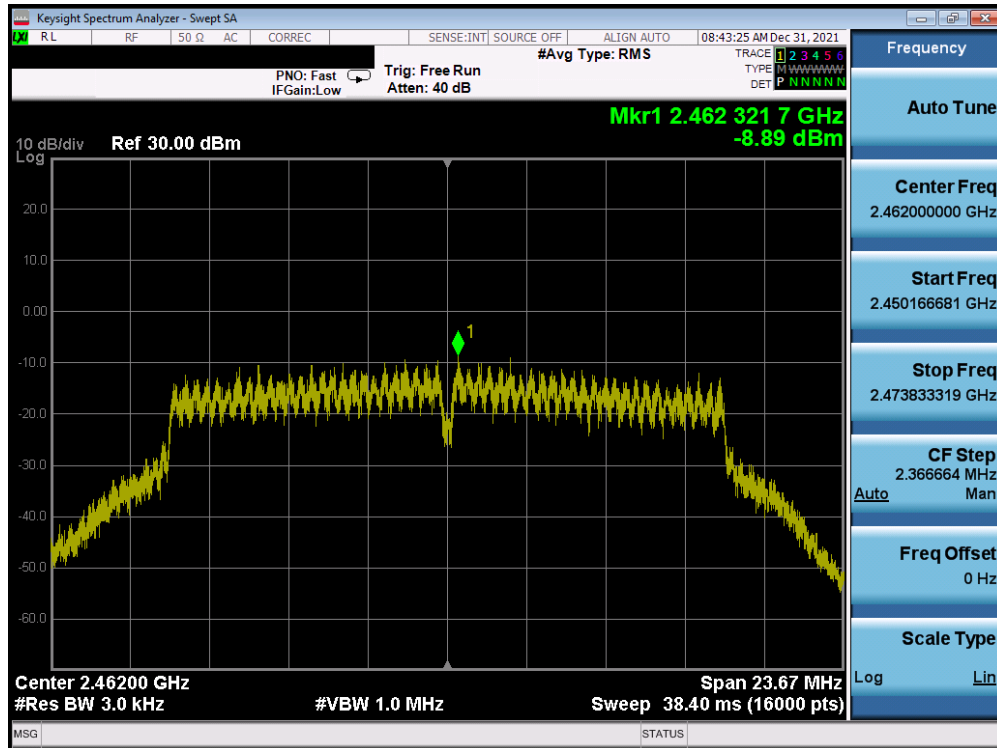


Plot 7-123. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 6) – 6Mbps

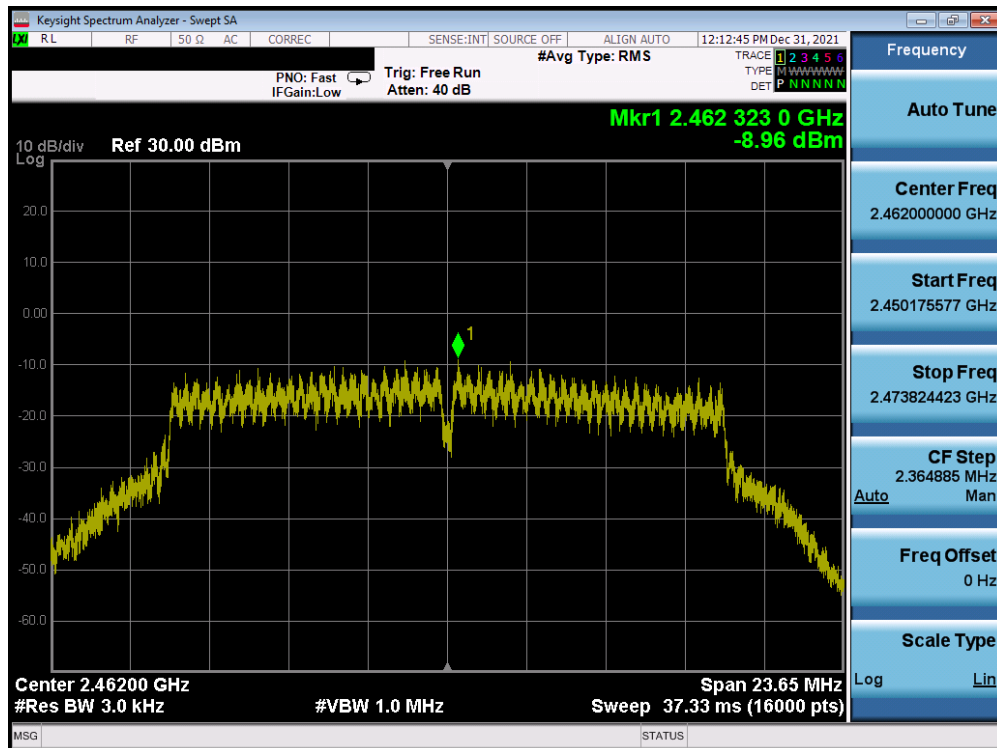


Plot 7-124. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 6) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 108 of 419

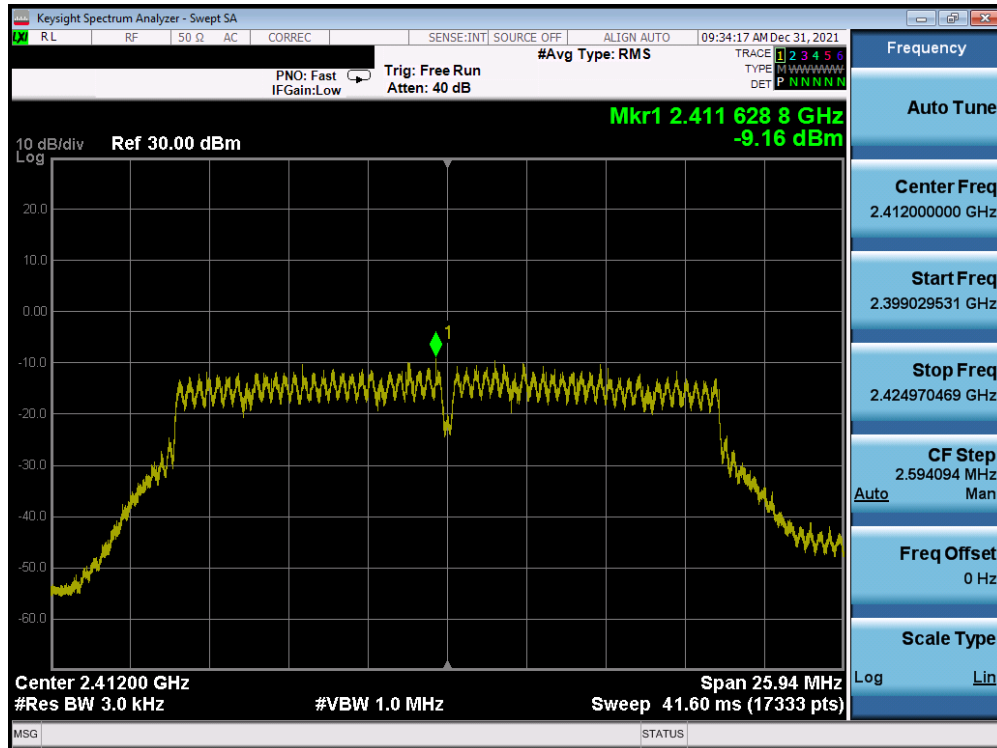


Plot 7-125. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 11) – 6Mbps

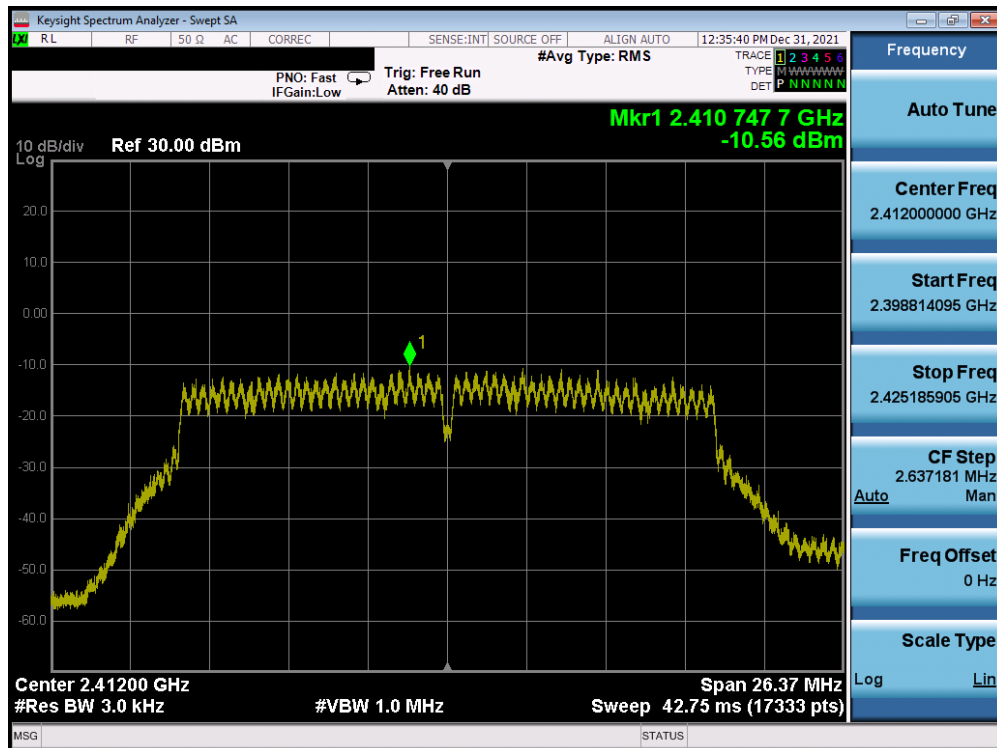


Plot 7-126. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 11) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 109 of 419

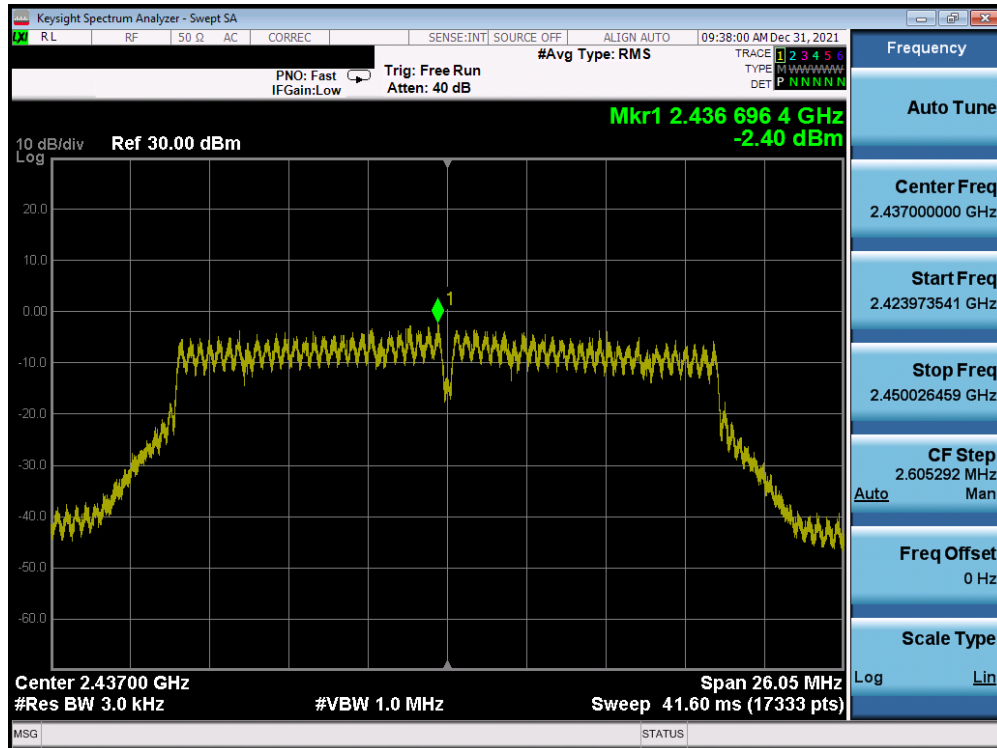


Plot 7-127. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS8

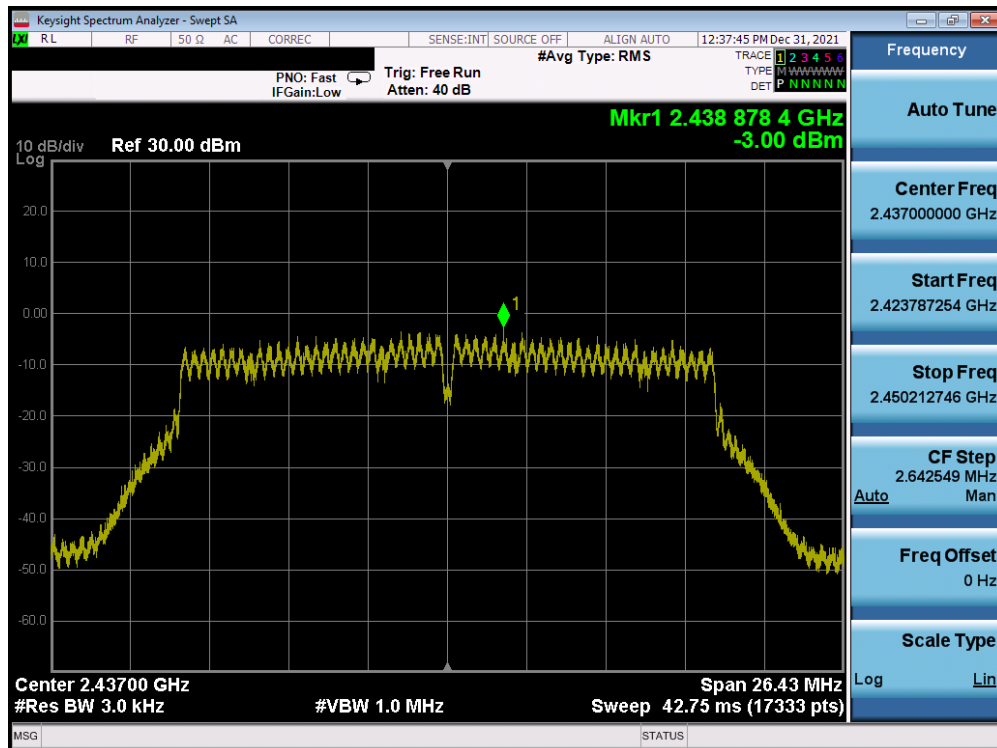


Plot 7-128. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 1) – MCS8

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 110 of 419

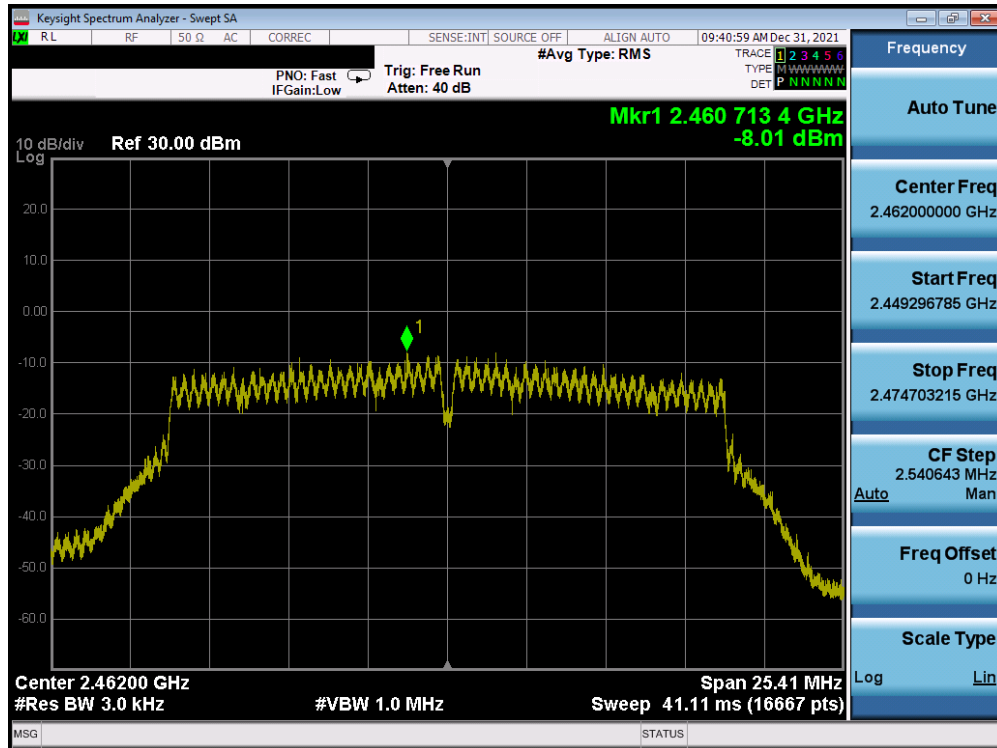


Plot 7-129. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 6) – MCS8

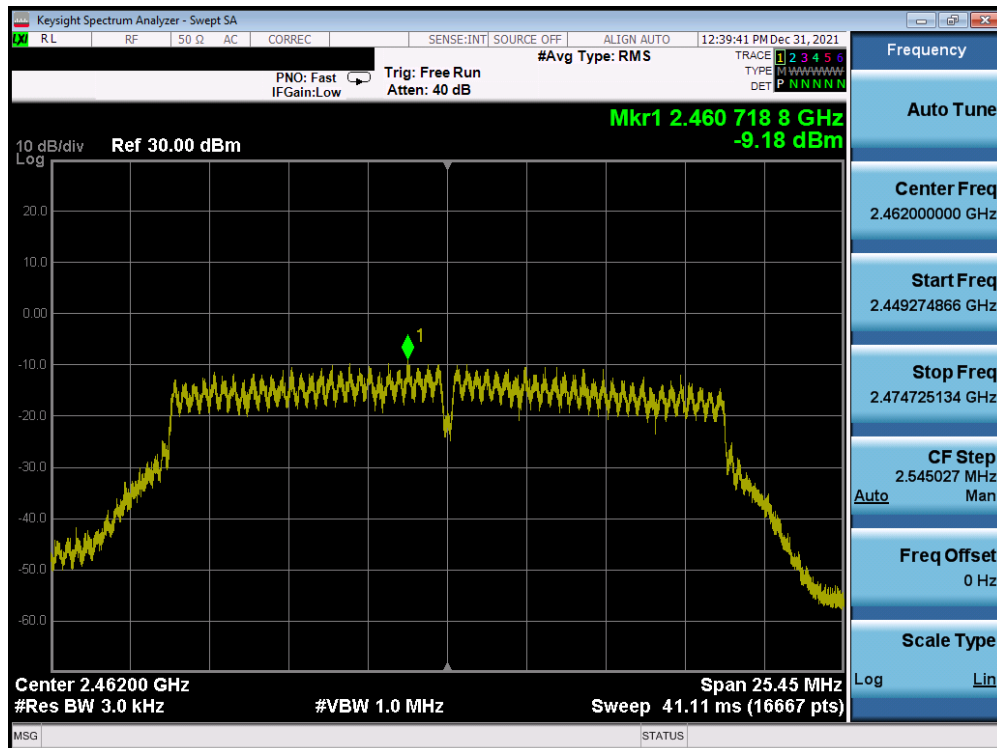


Plot 7-130. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 6) – MCS8

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 111 of 419

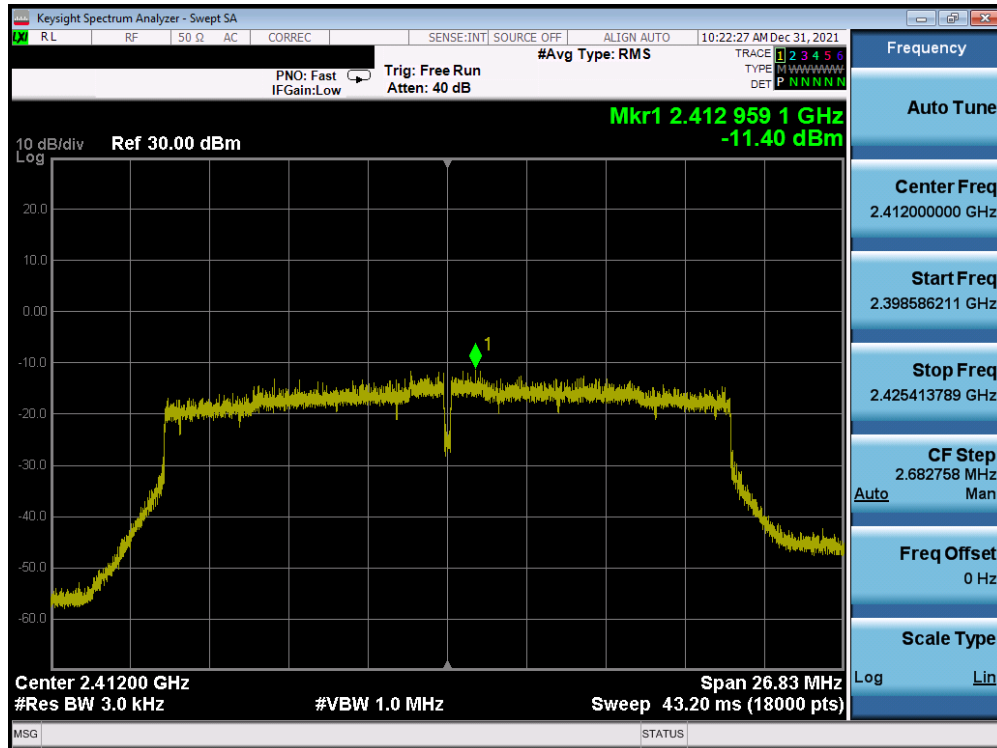


Plot 7-131. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 11) – MCS8

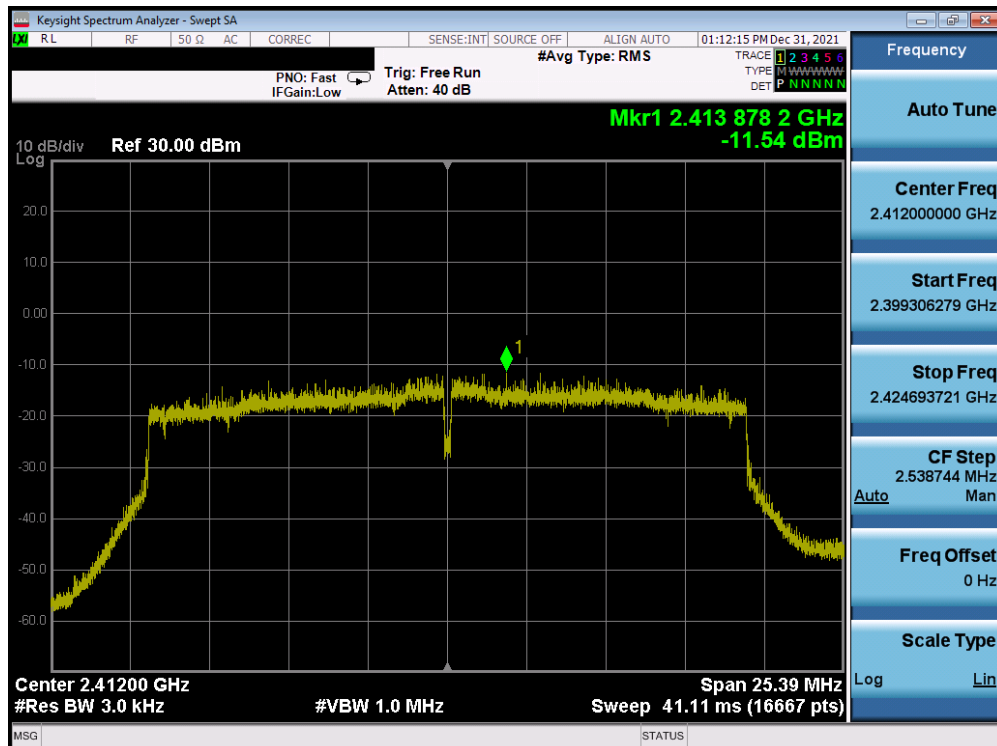


Plot 7-132. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 11) – MCS8

FCC ID: BCGA2589 IC: 579C-A2589		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 112 of 419

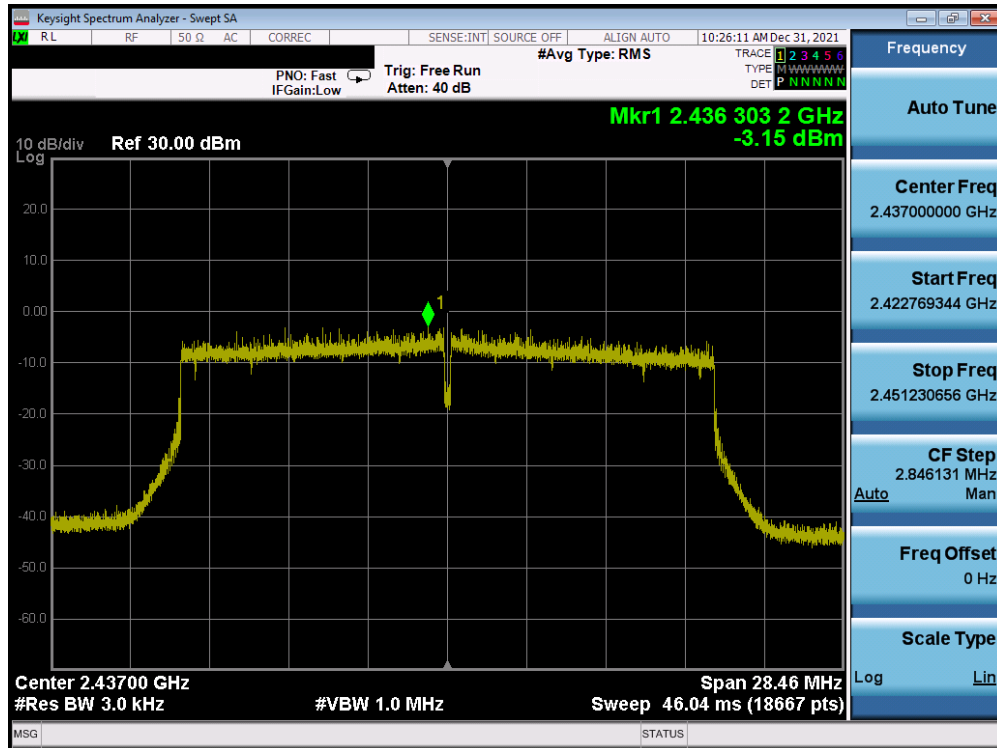


Plot 7-133. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0

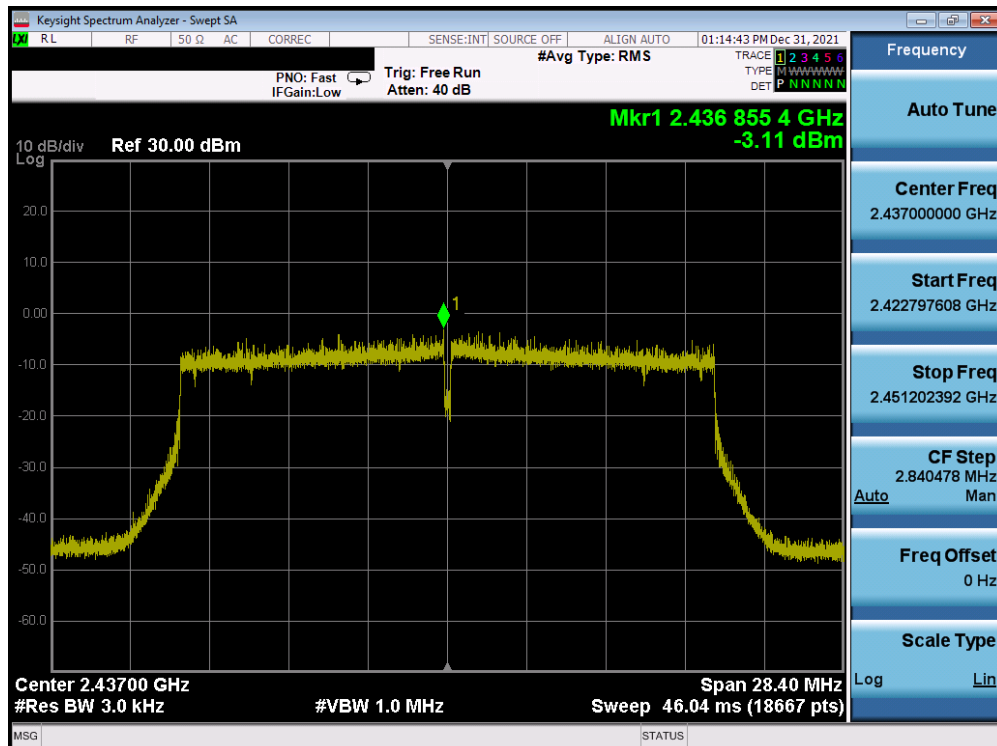


Plot 7-134. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 113 of 419

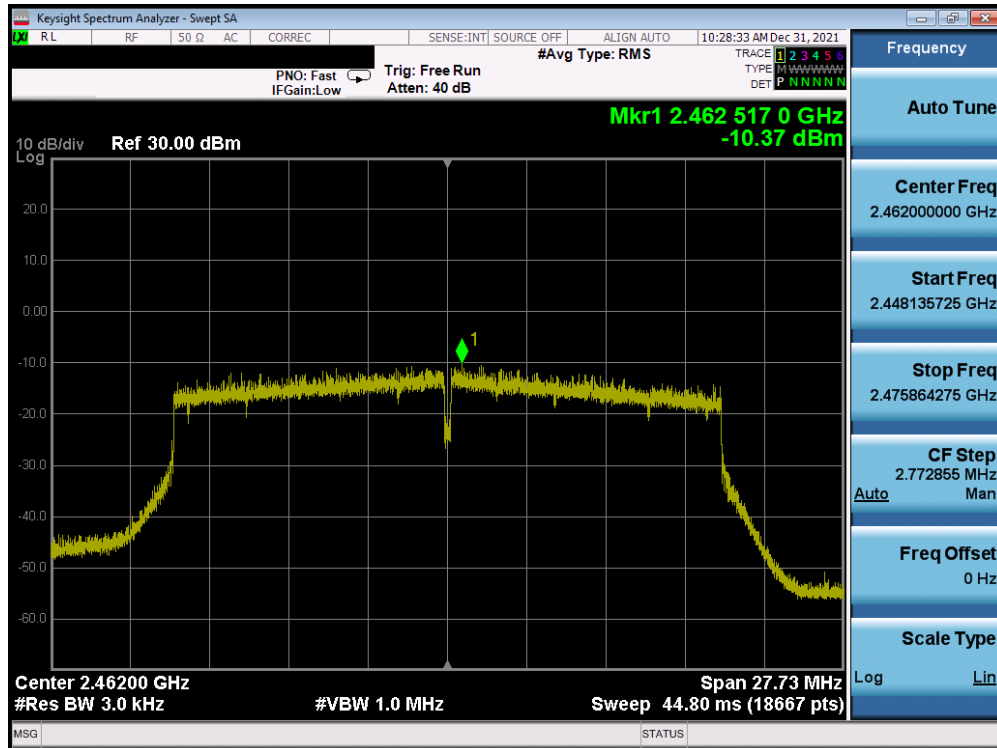


Plot 7-135. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS0

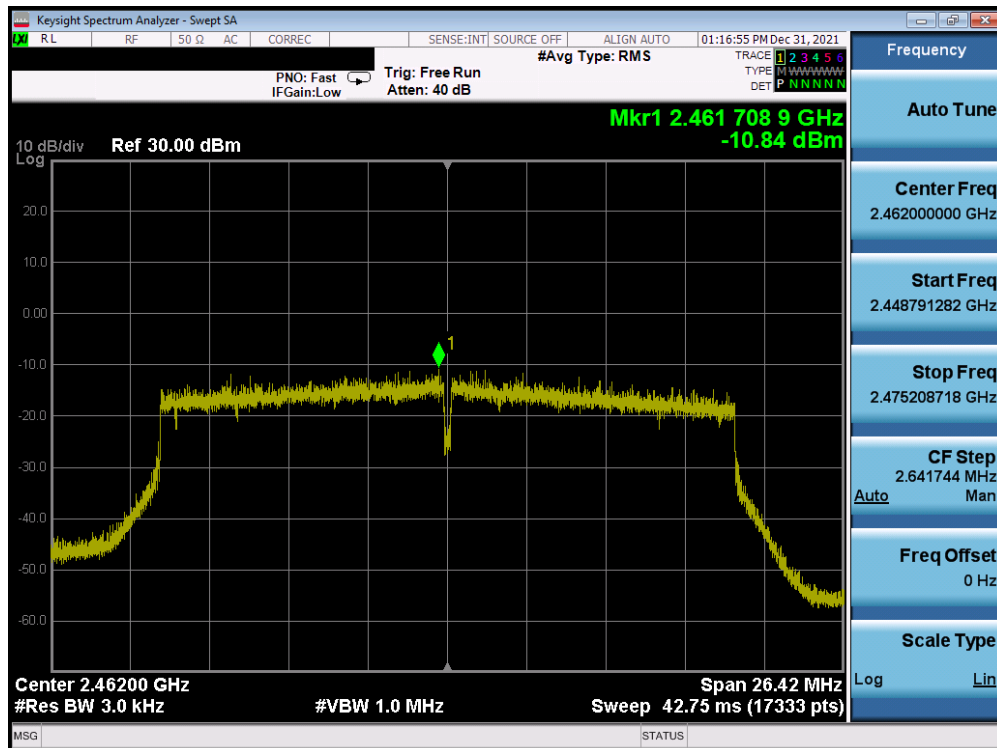


Plot 7-136. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 114 of 419



Plot 7-137. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0

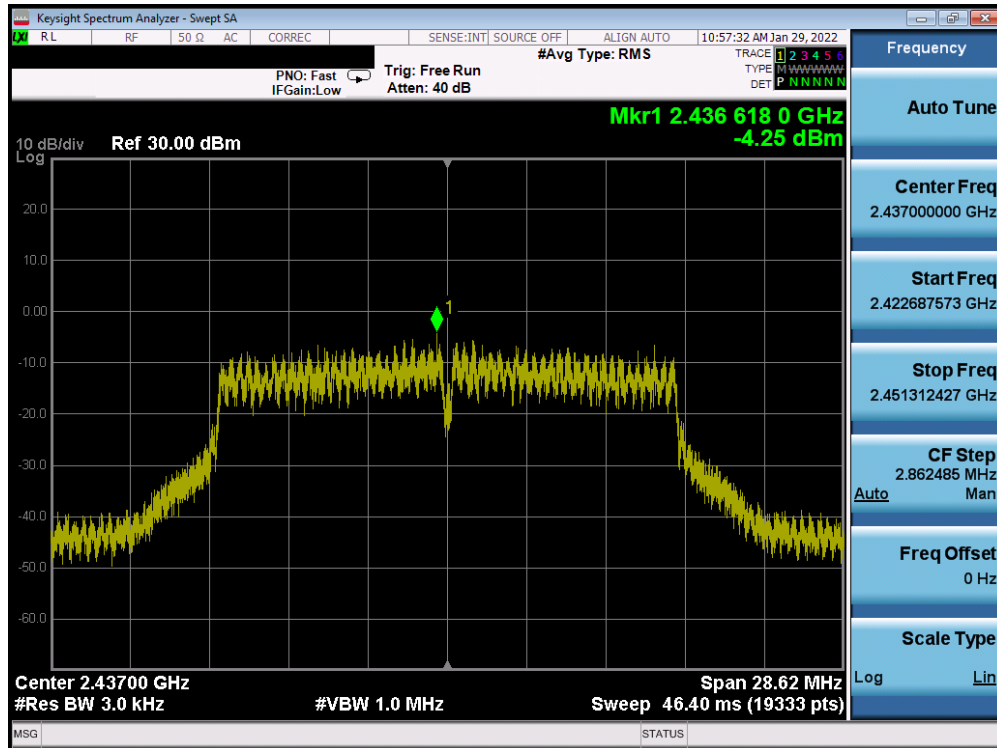


Plot 7-138. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0

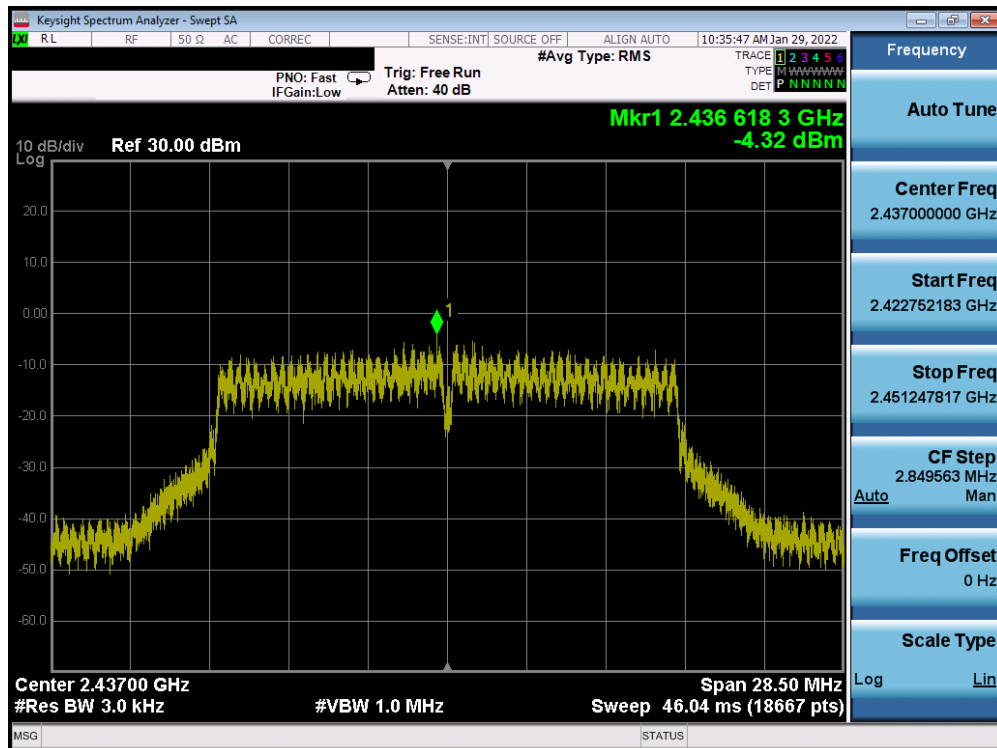
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 115 of 419



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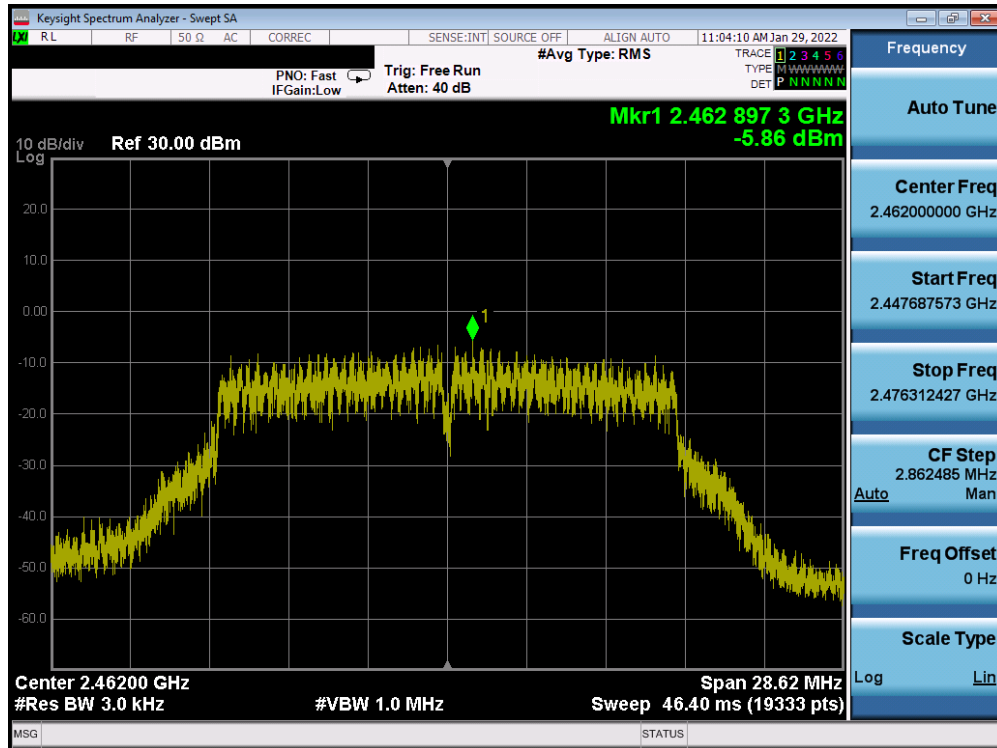


Plot 7-141. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 6) – 18Mbps

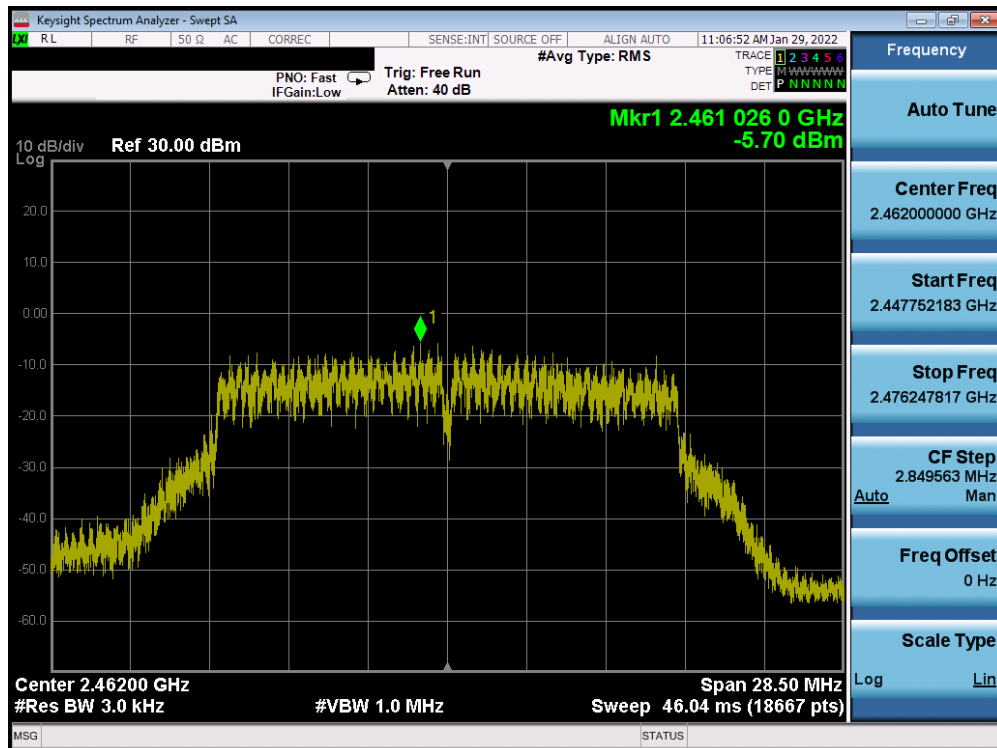


Plot 7-142. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 6) – 18Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 117 of 419

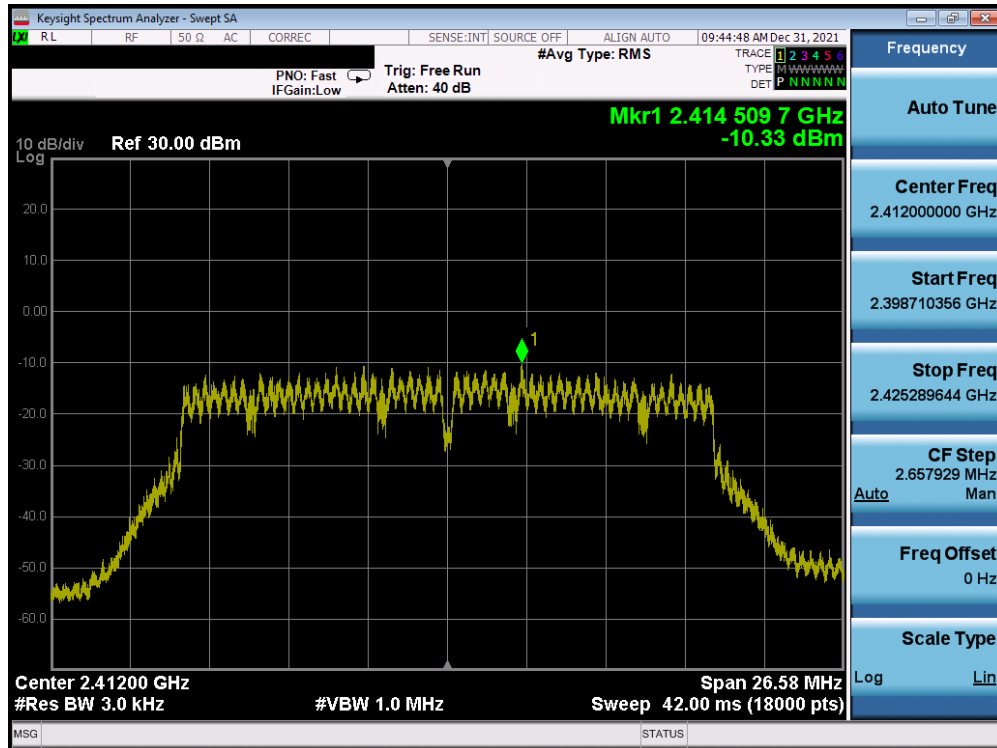


Plot 7-143. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 11) – 18Mbps

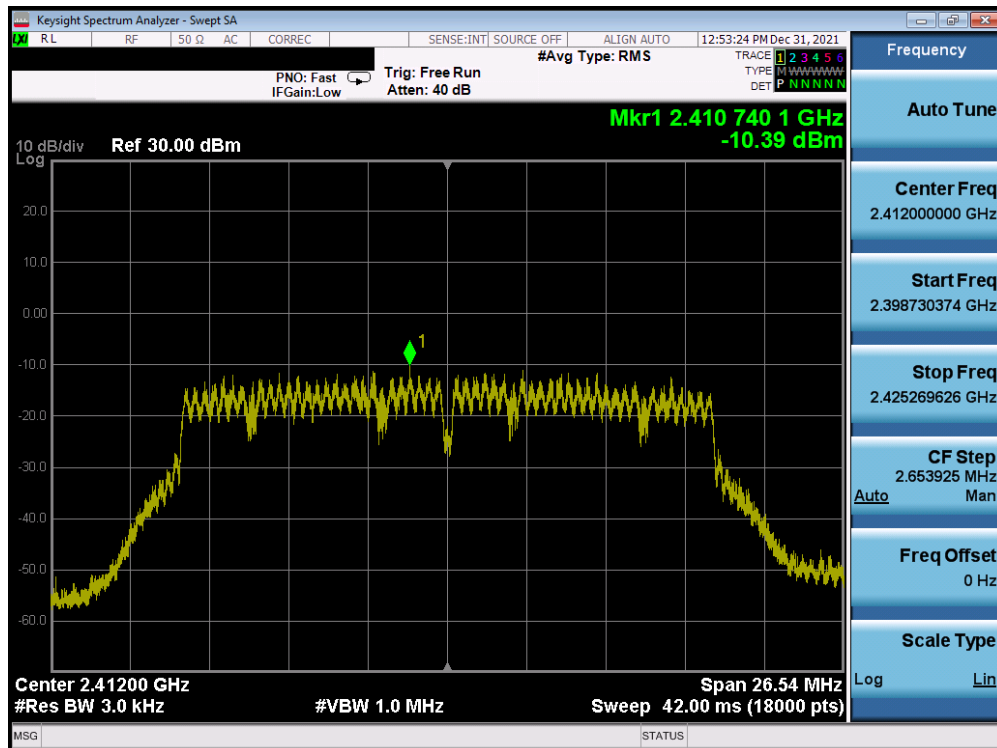


Plot 7-144. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 11) – 18Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 118 of 419

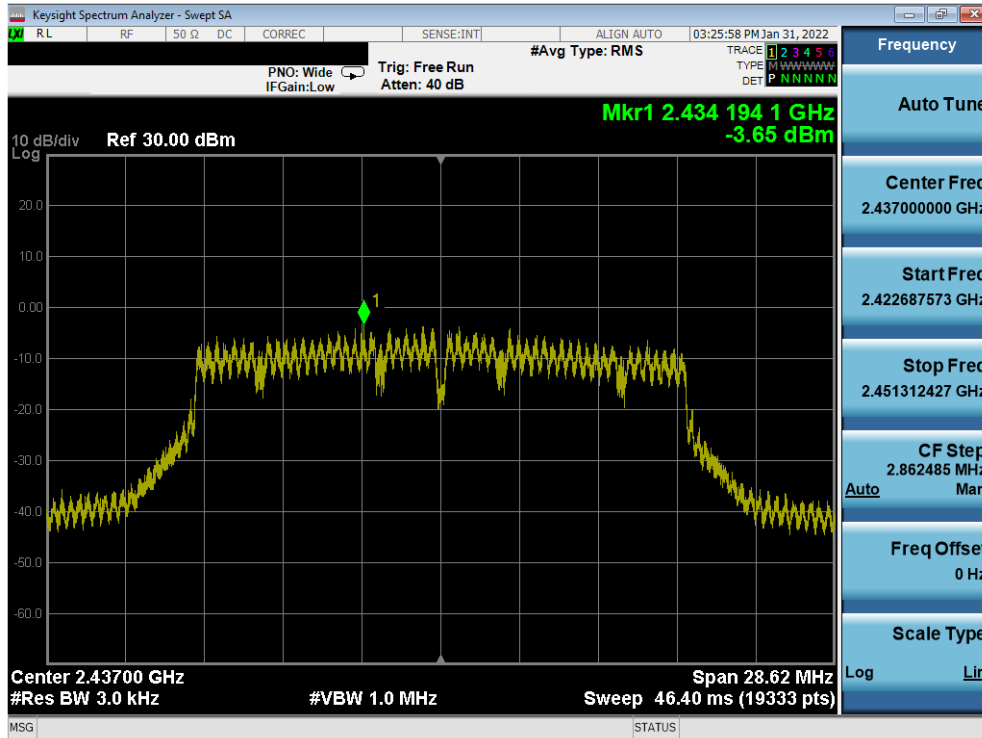


Plot 7-145. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS11

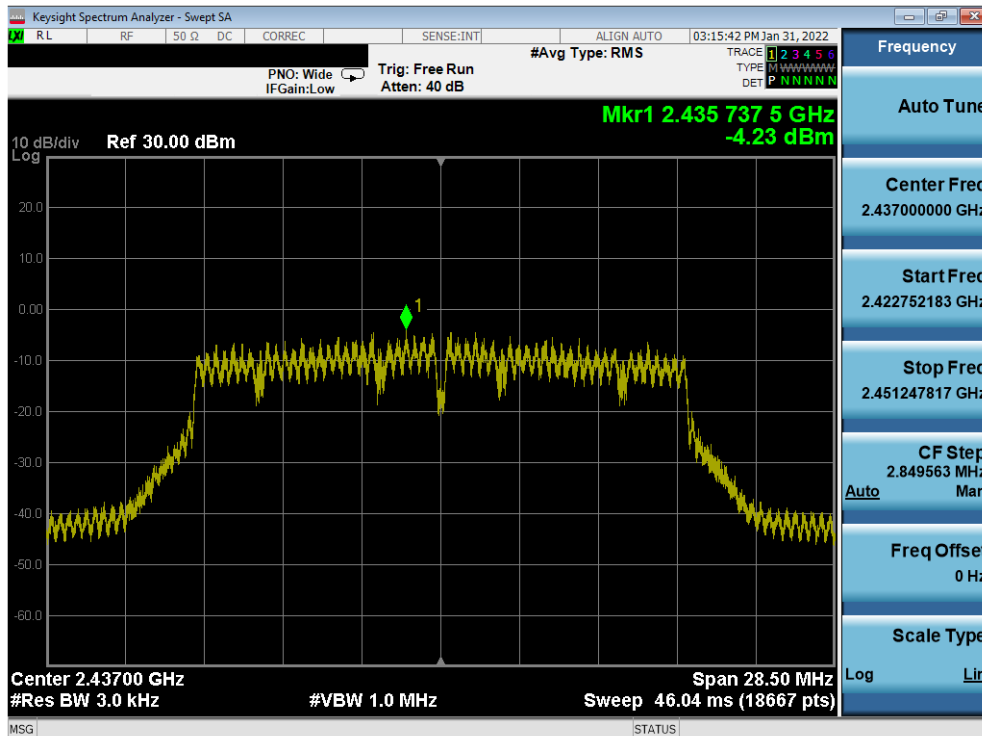


Plot 7-146. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 1) – MC11

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 119 of 419

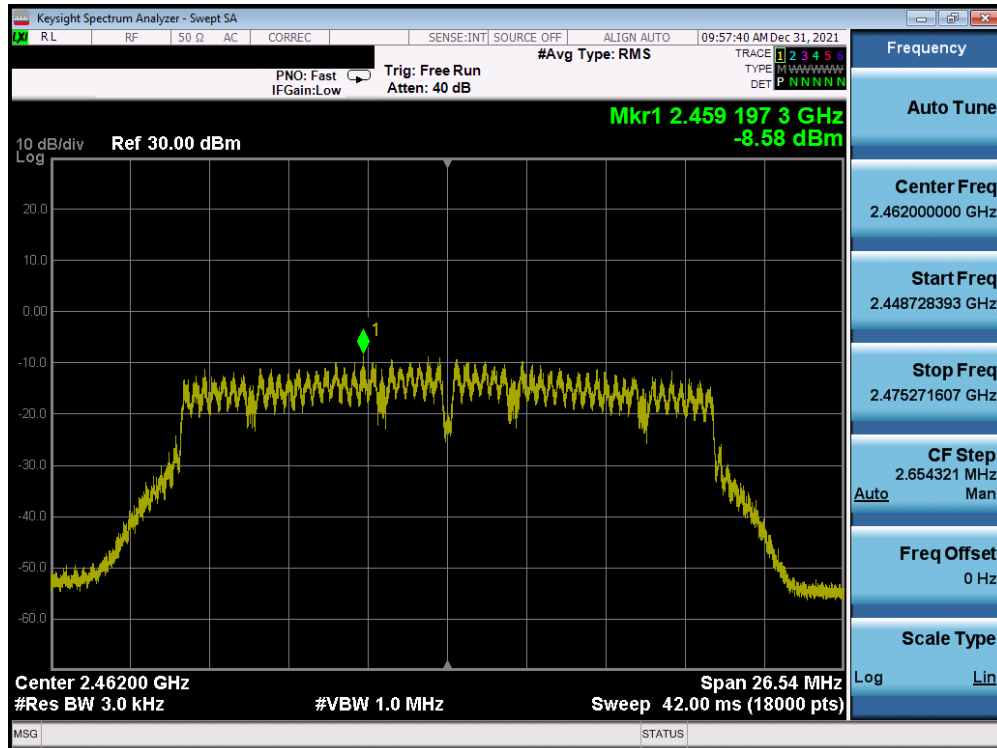


Plot 7-147. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 6) – MCS11

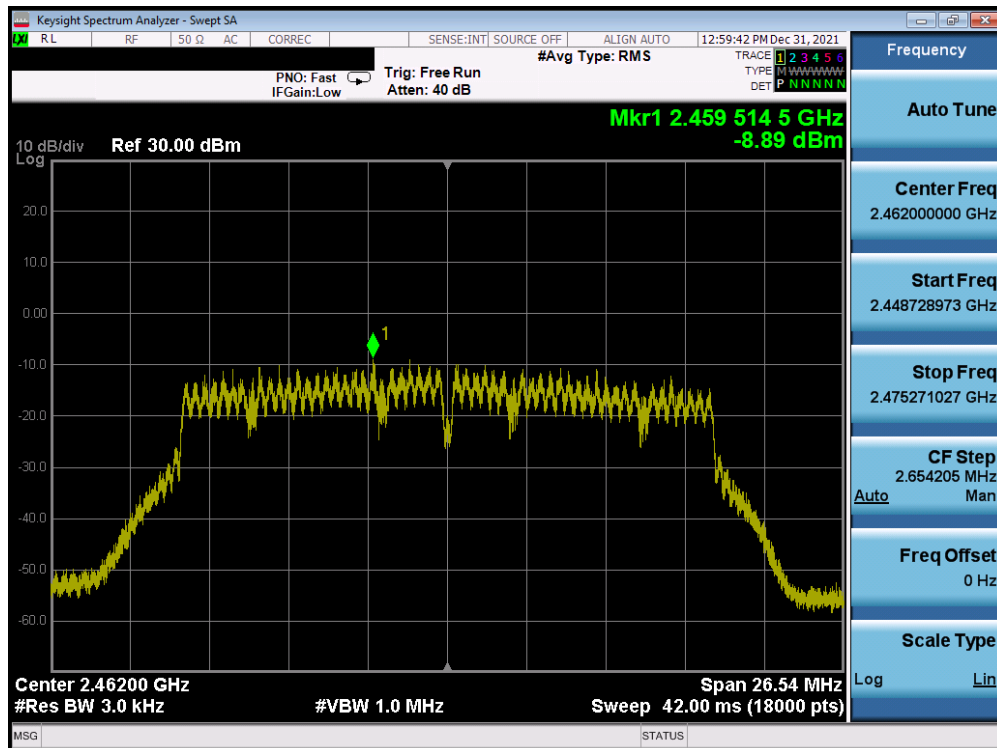


Plot 7-148. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 6) – MCS11

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 120 of 419

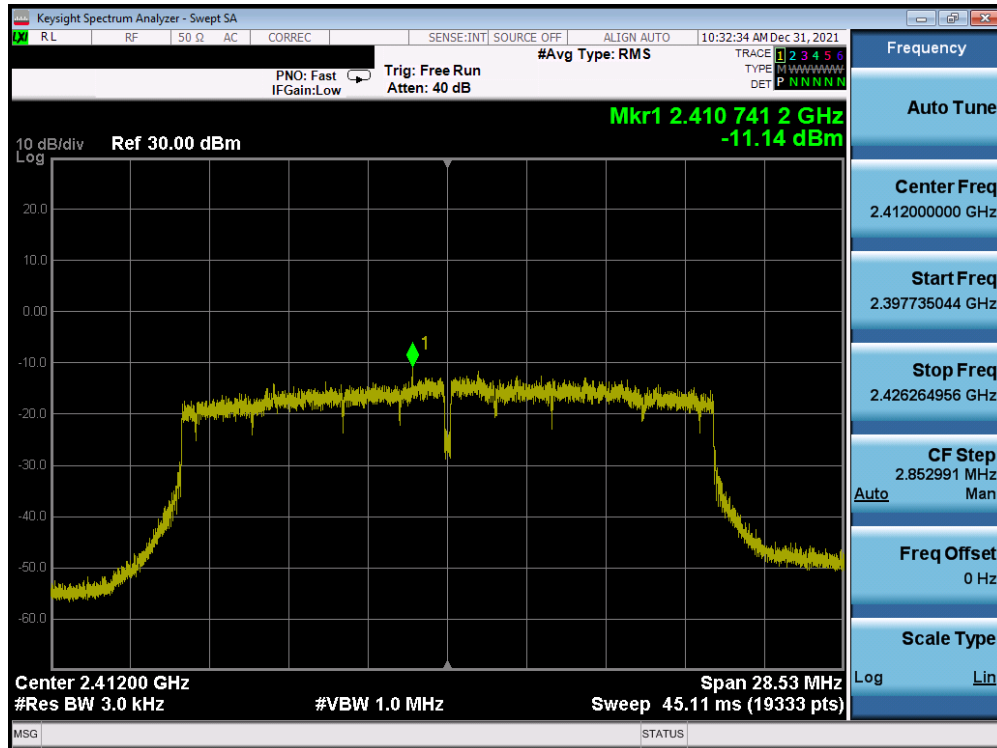


Plot 7-149. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 11) – MCS11

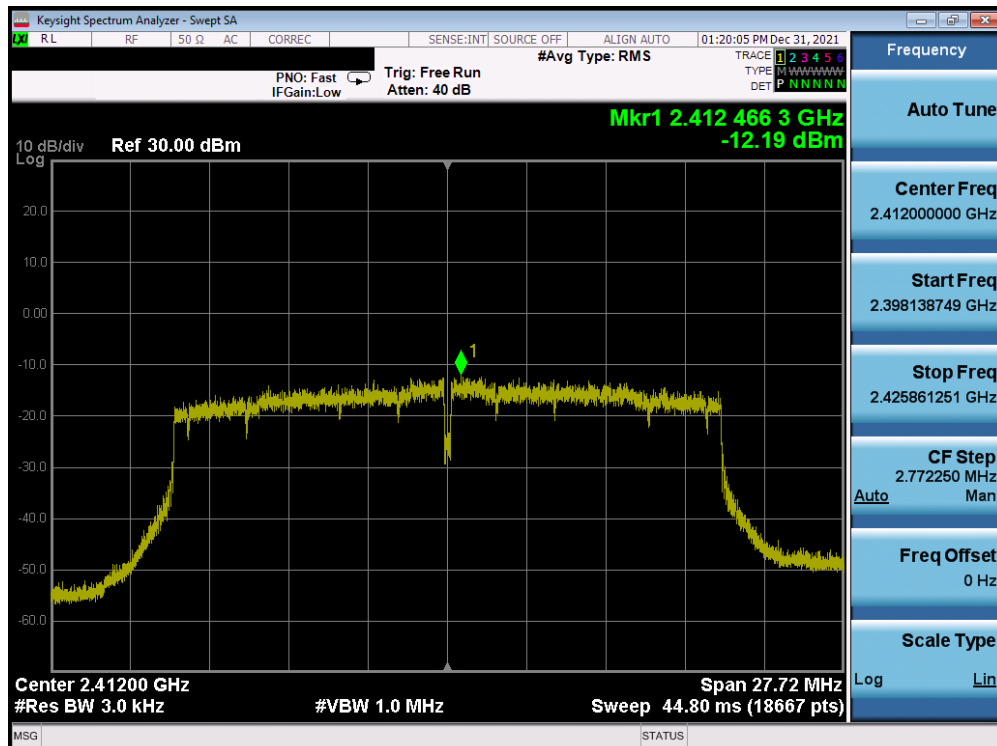


Plot 7-150. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 11) – MCS11

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 121 of 419

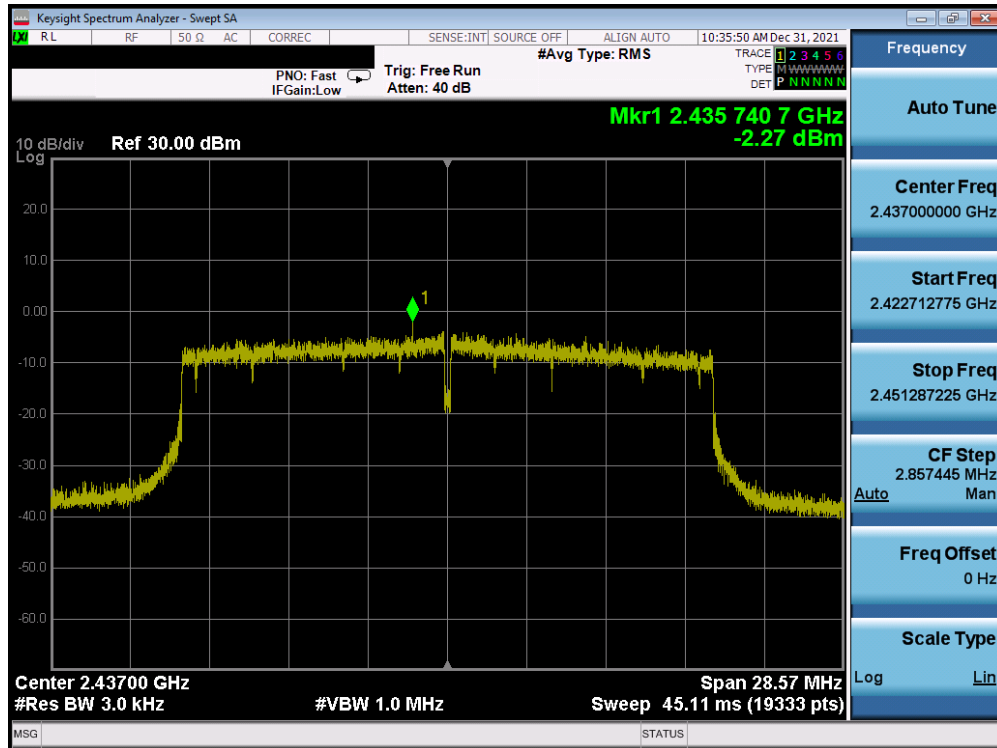


Plot 7-151. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

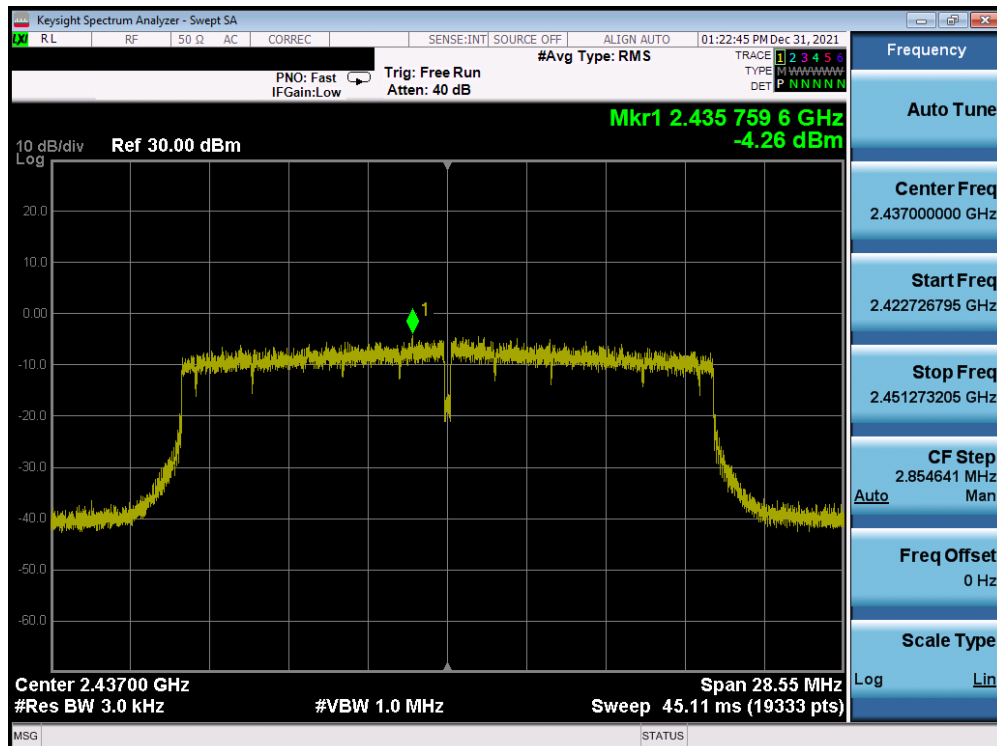


Plot 7-152. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 122 of 419

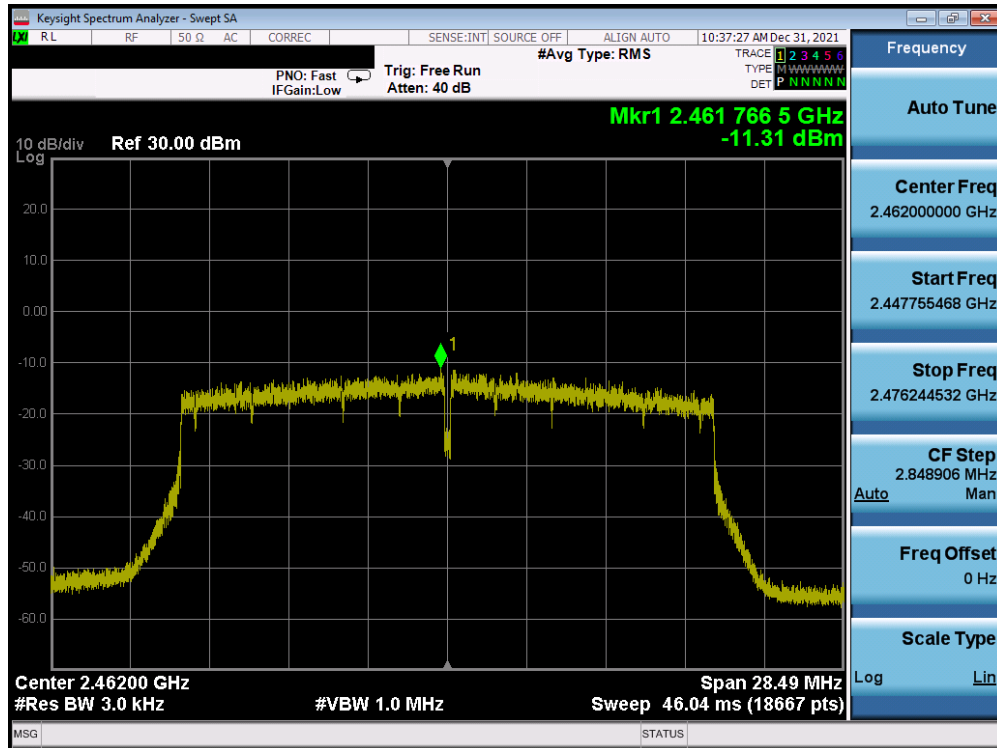


Plot 7-153. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

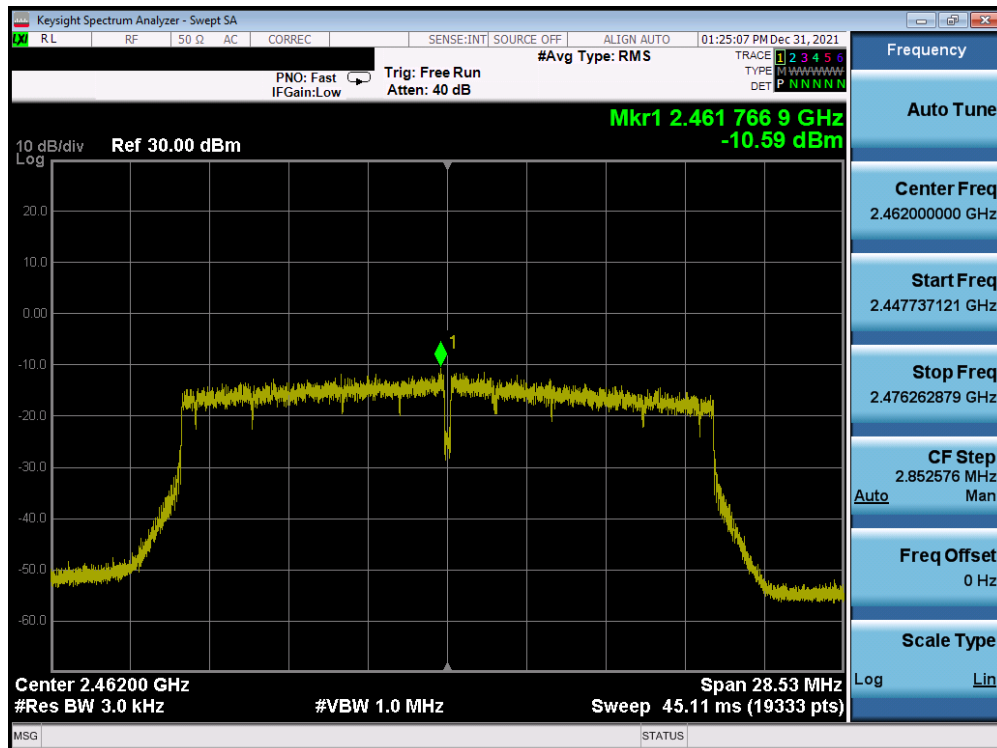


Plot 7-154. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS3

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 123 of 419



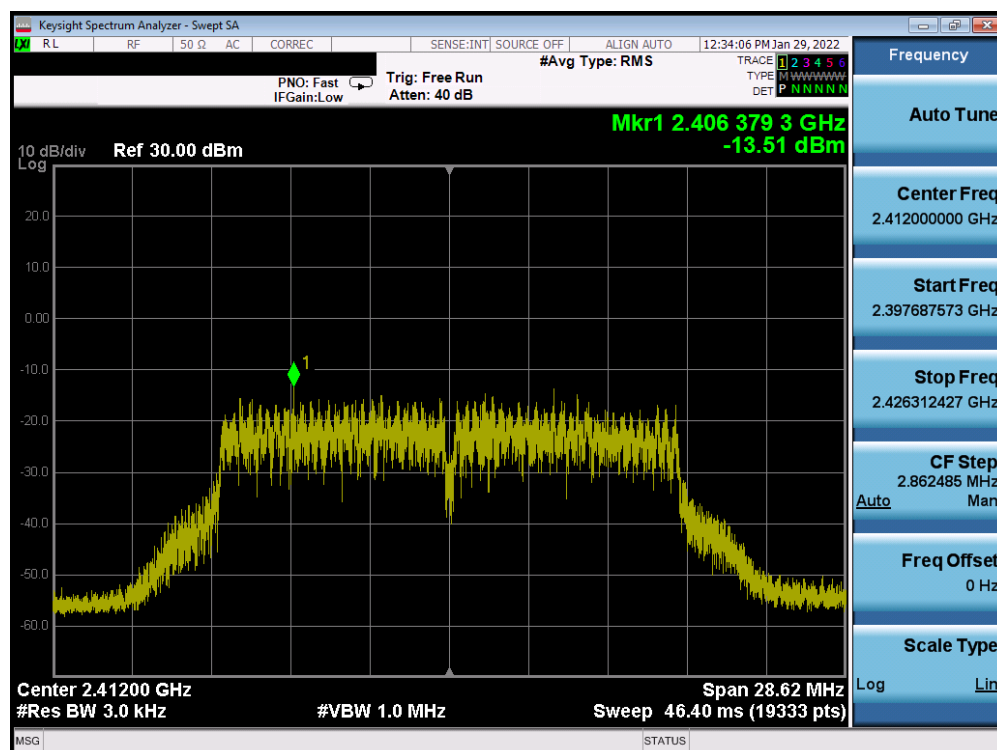
Plot 7-155. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3



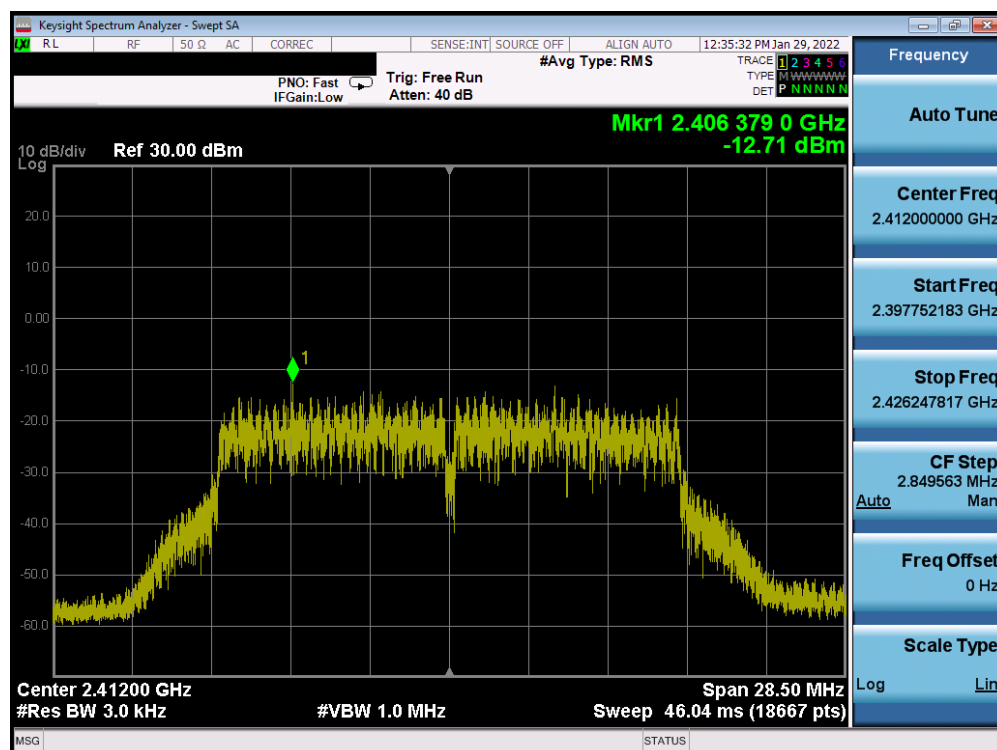
Plot 7-156. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 124 of 419

High Data Rate

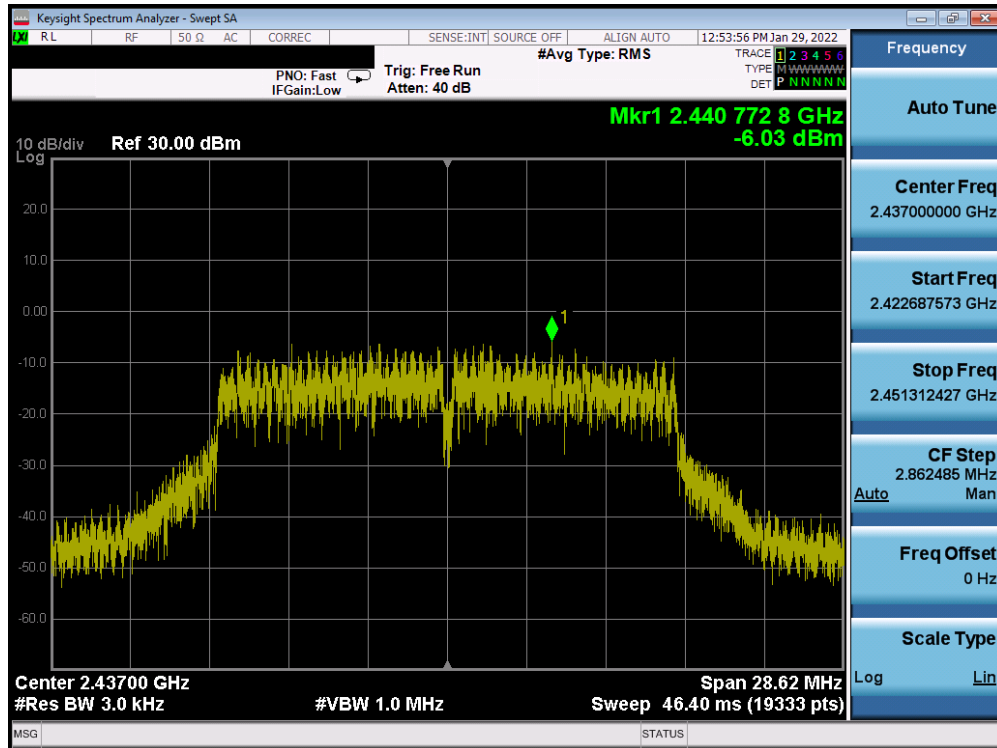


Plot 7-157. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 1) – 36Mbps

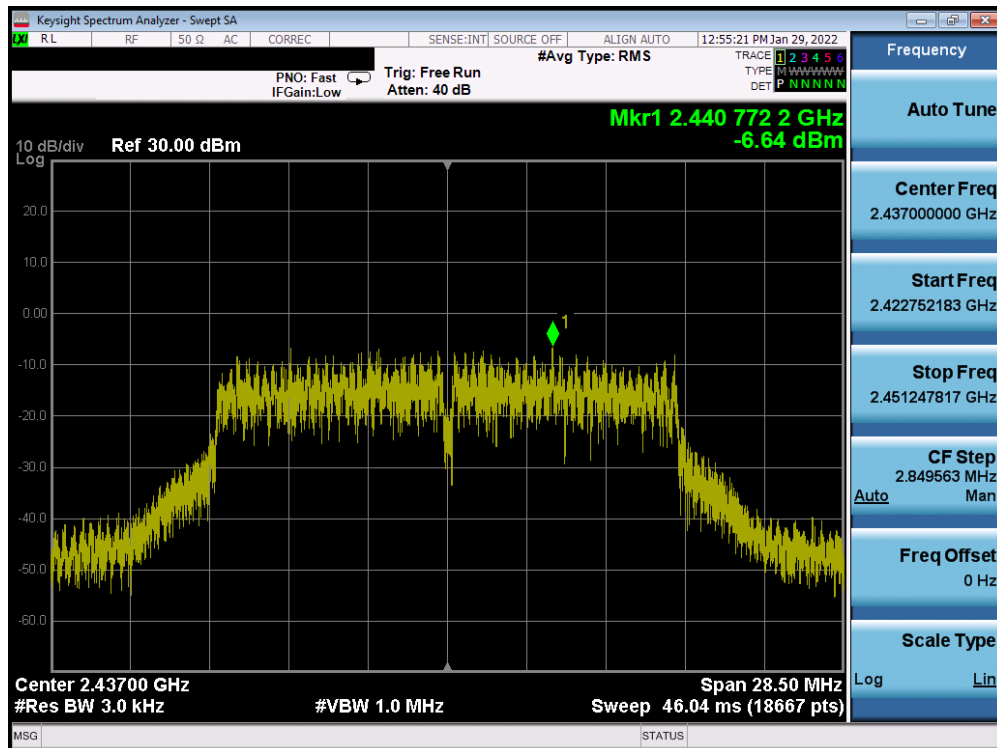


Plot 7-158. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 1) – 36Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST [®] <small>Proud to be part of element</small>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device		Page 125 of 419

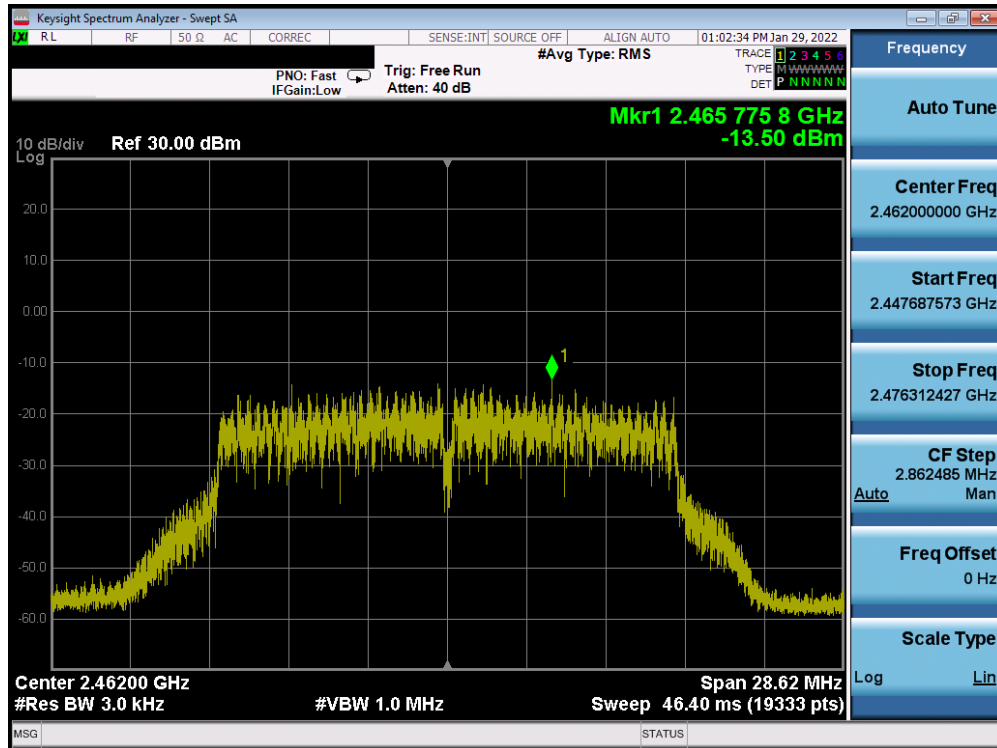


Plot 7-159. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 6) – 36Mbps

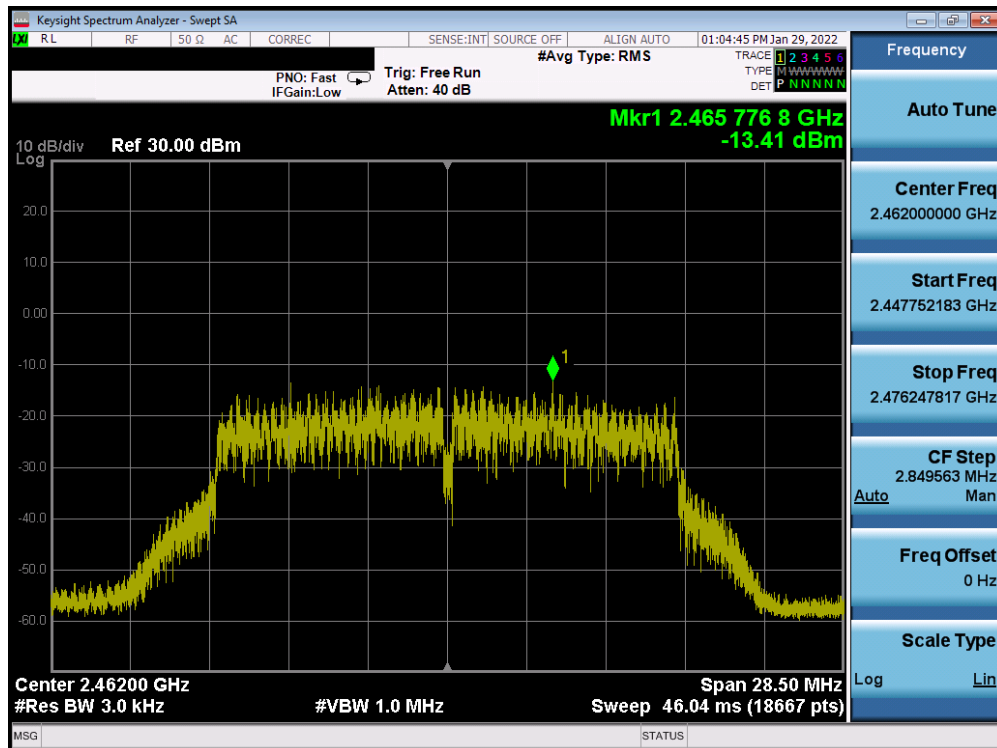


Plot 7-160. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 6) – 36Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 126 of 419

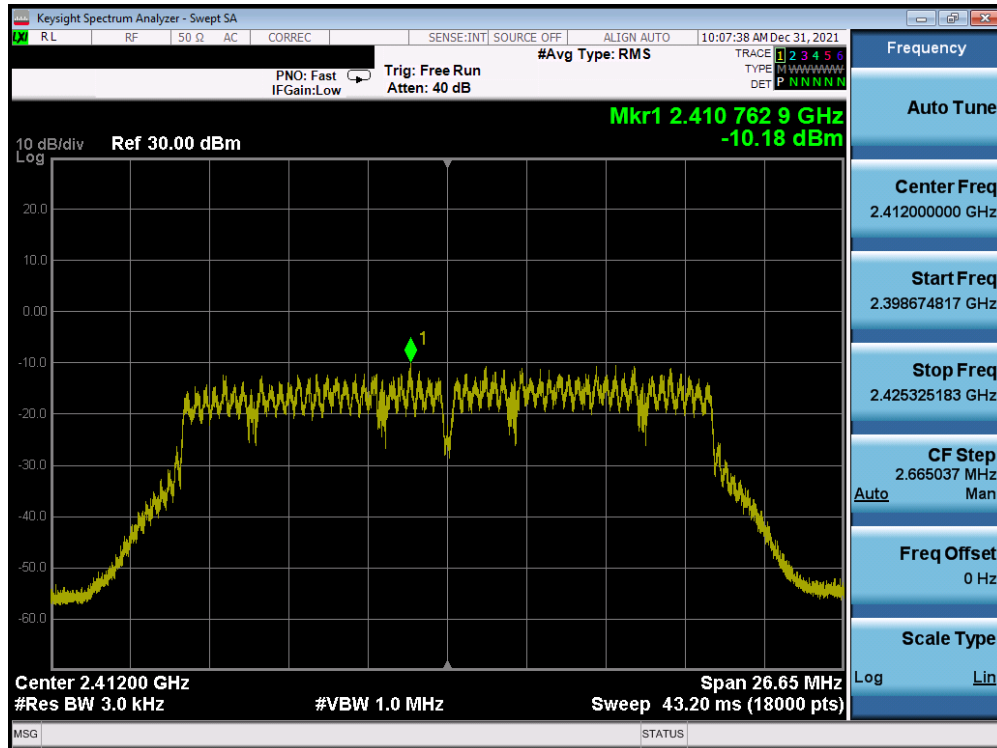


Plot 7-161. Power Spectral Density Plot CDD Antenna 3a (802.11g – Ch. 11) – 36Mbps

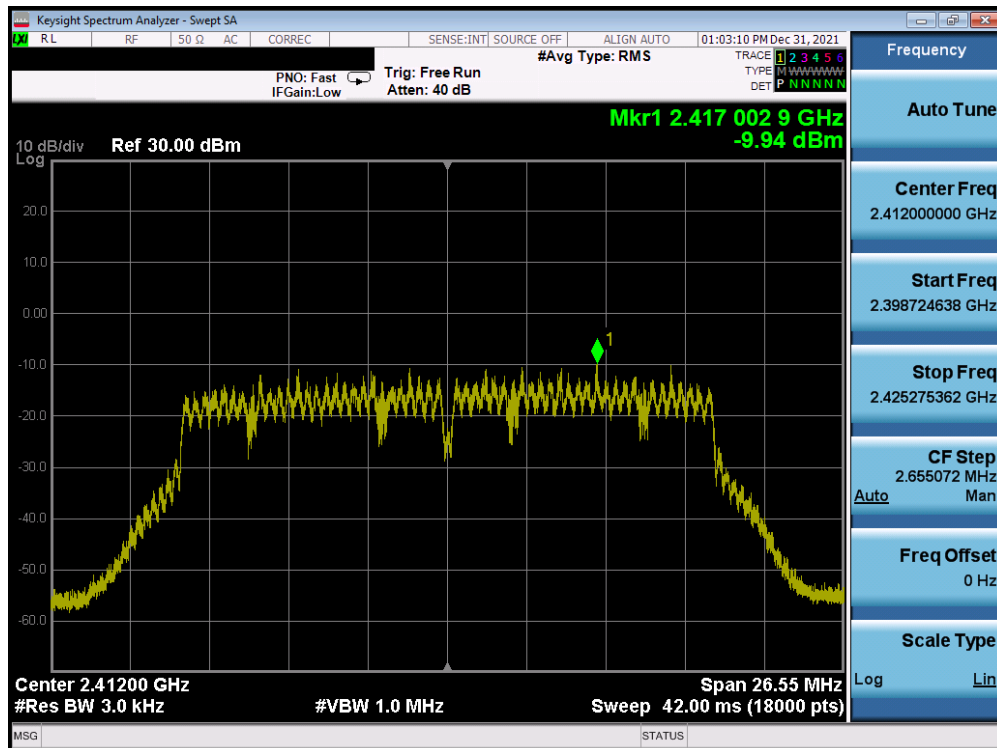


Plot 7-162. Power Spectral Density Plot CDD Antenna 1a (802.11g – Ch. 11) – 36Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 127 of 419

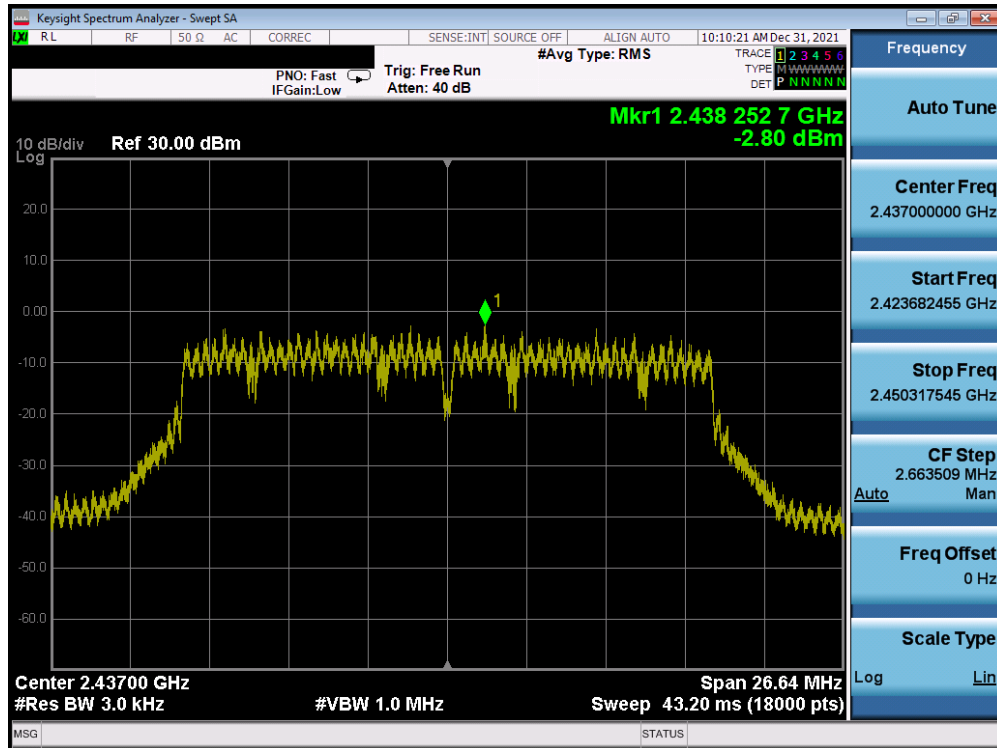


Plot 7-163. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS13

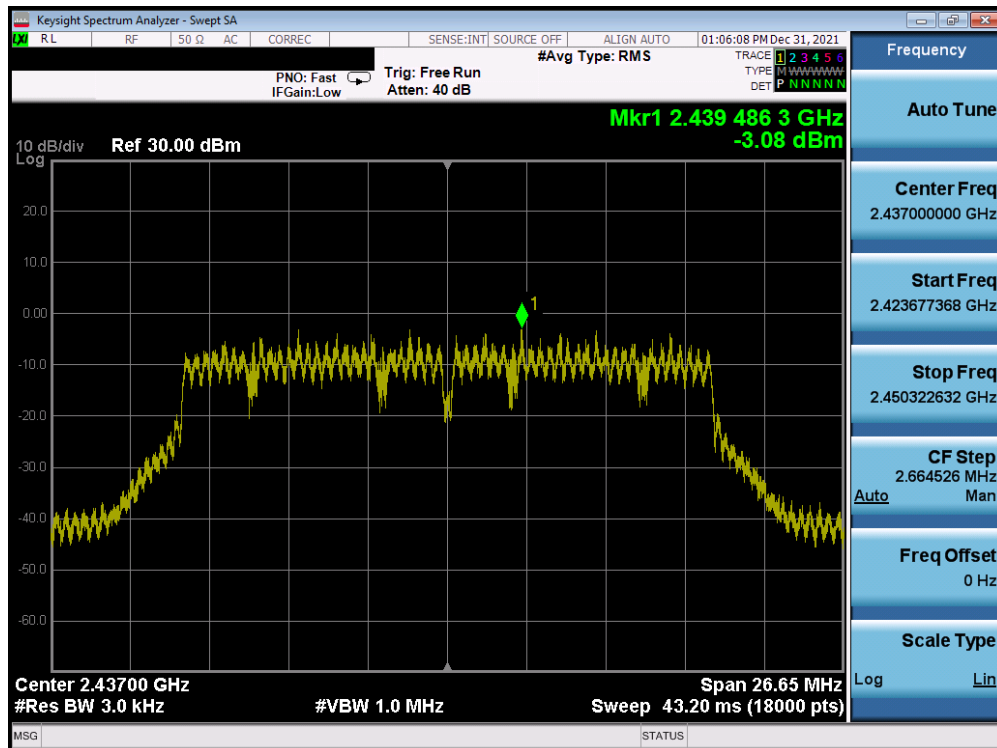


Plot 7-164. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 1) – MCS13

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 128 of 419

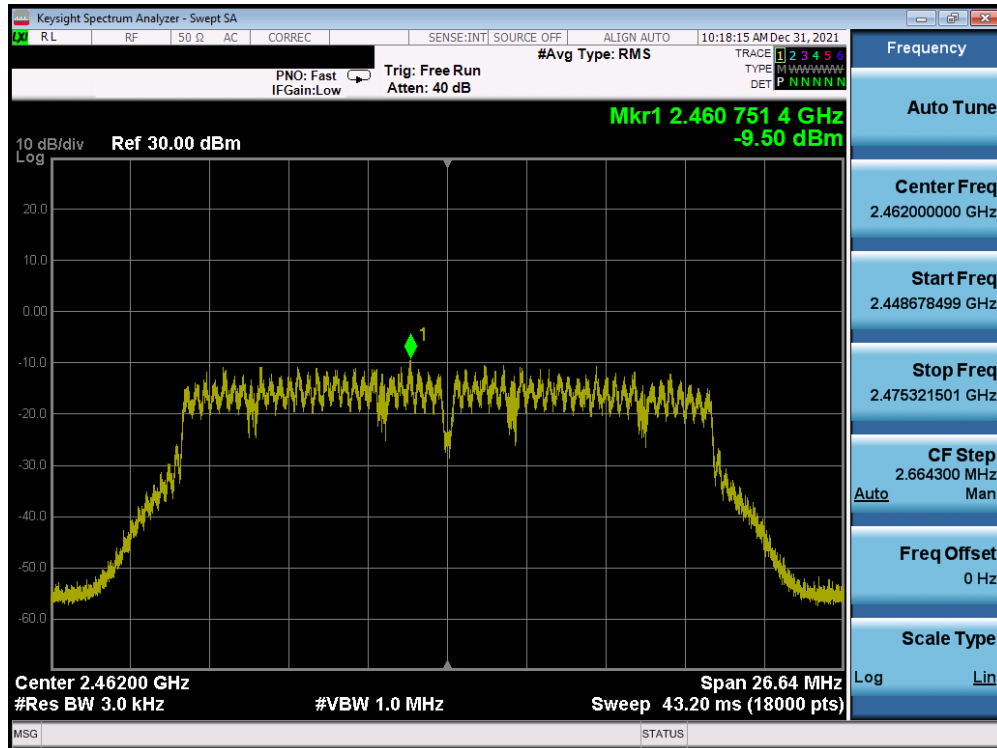


Plot 7-165. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 6) – MCS13

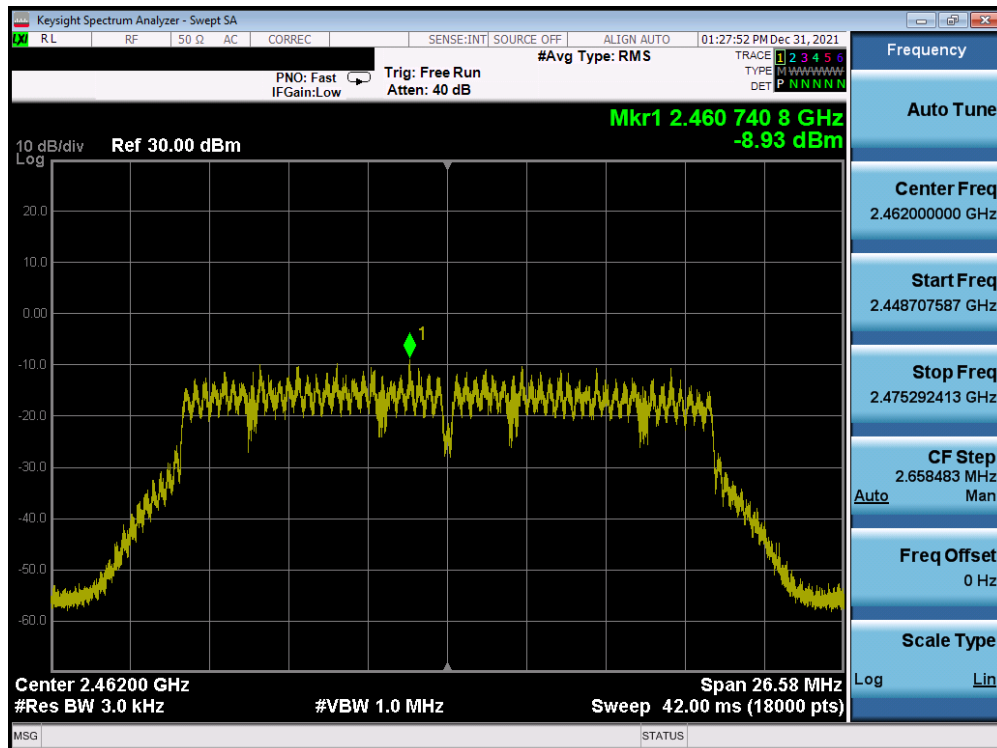


Plot 7-166. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 6) – MCS13

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 129 of 419

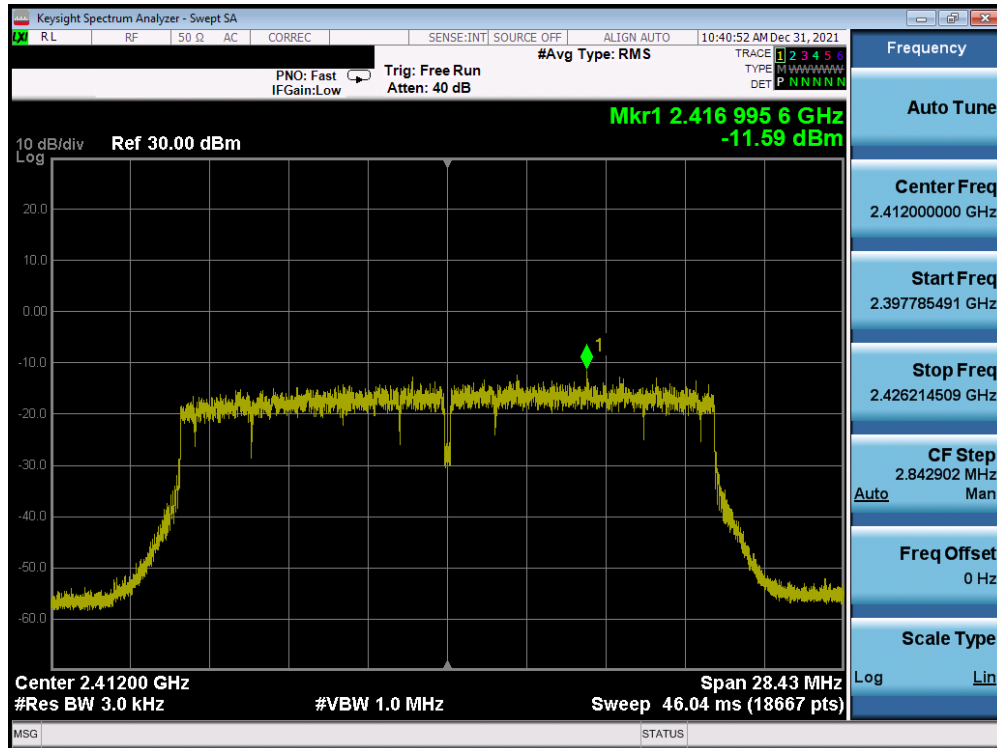


Plot 7-167. Power Spectral Density Plot CDD Antenna 3a (802.11n (2.4GHz) – Ch. 11) – MCS13

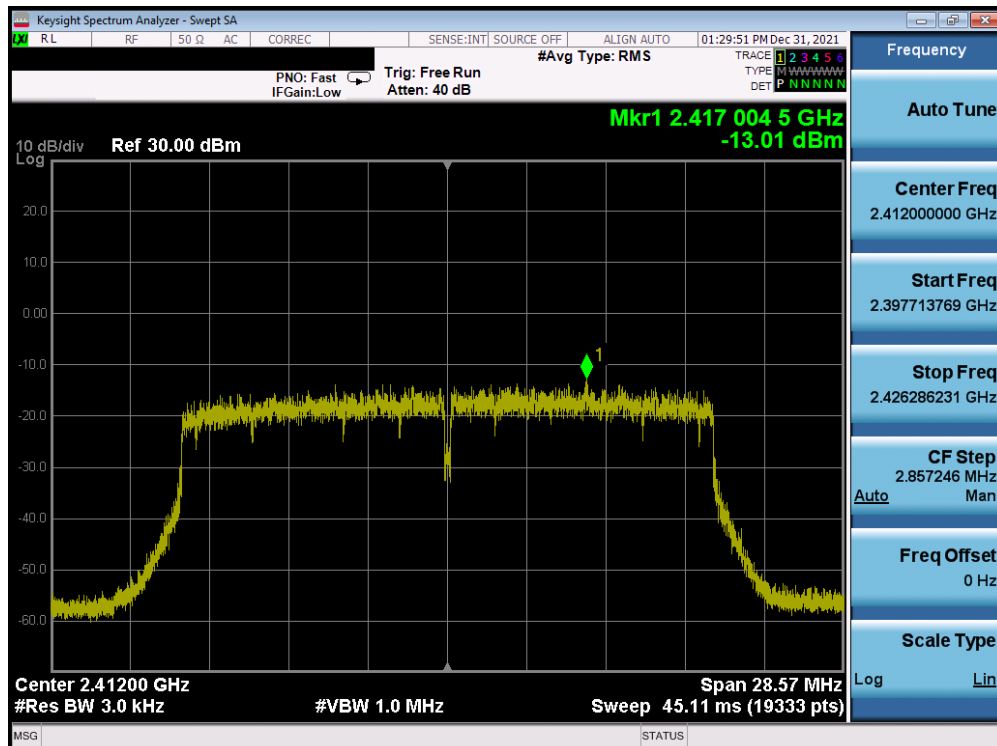


Plot 7-168. Power Spectral Density Plot CDD Antenna 1a (802.11n (2.4GHz) – Ch. 11) – MCS13

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 130 of 419

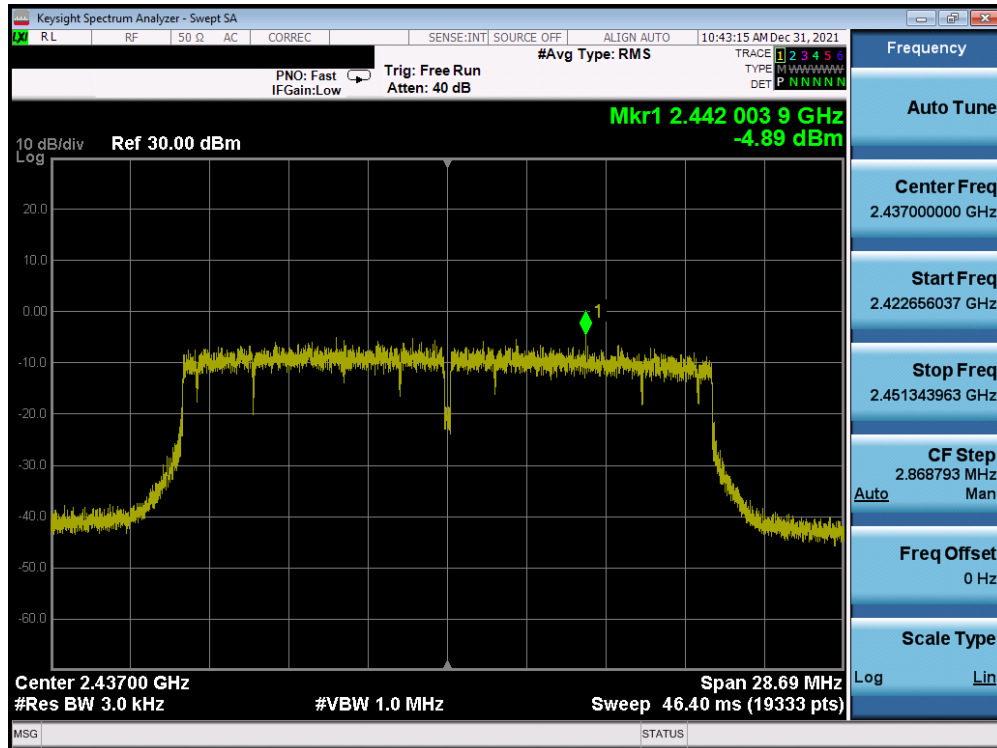


Plot 7-169. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

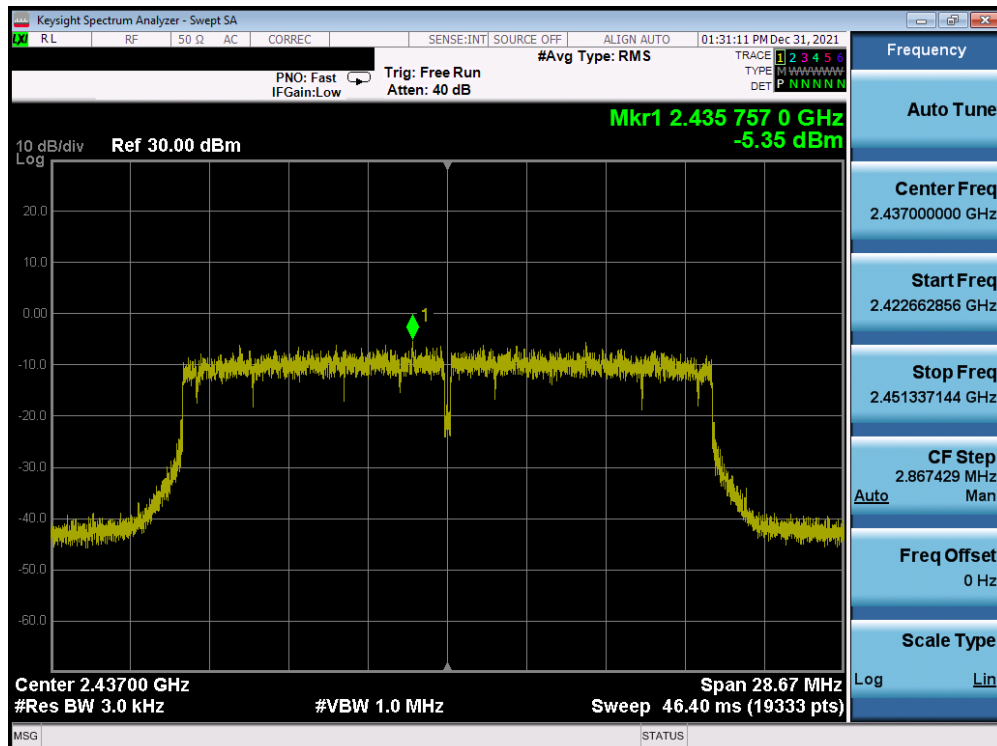


Plot 7-170. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 131 of 419

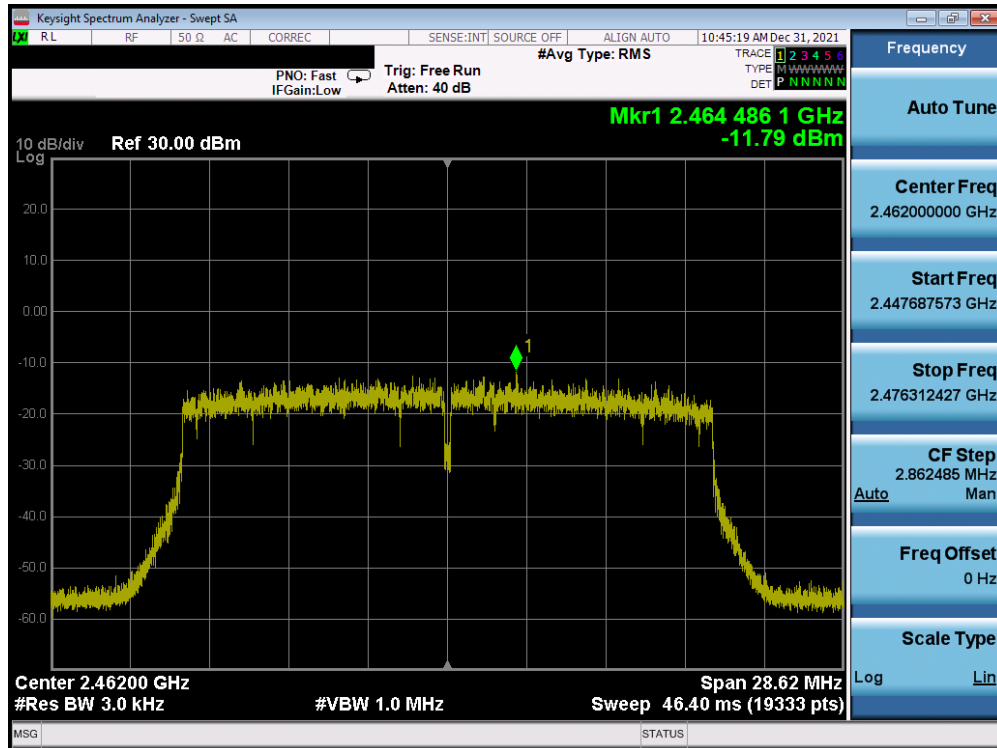


Plot 7-171. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5

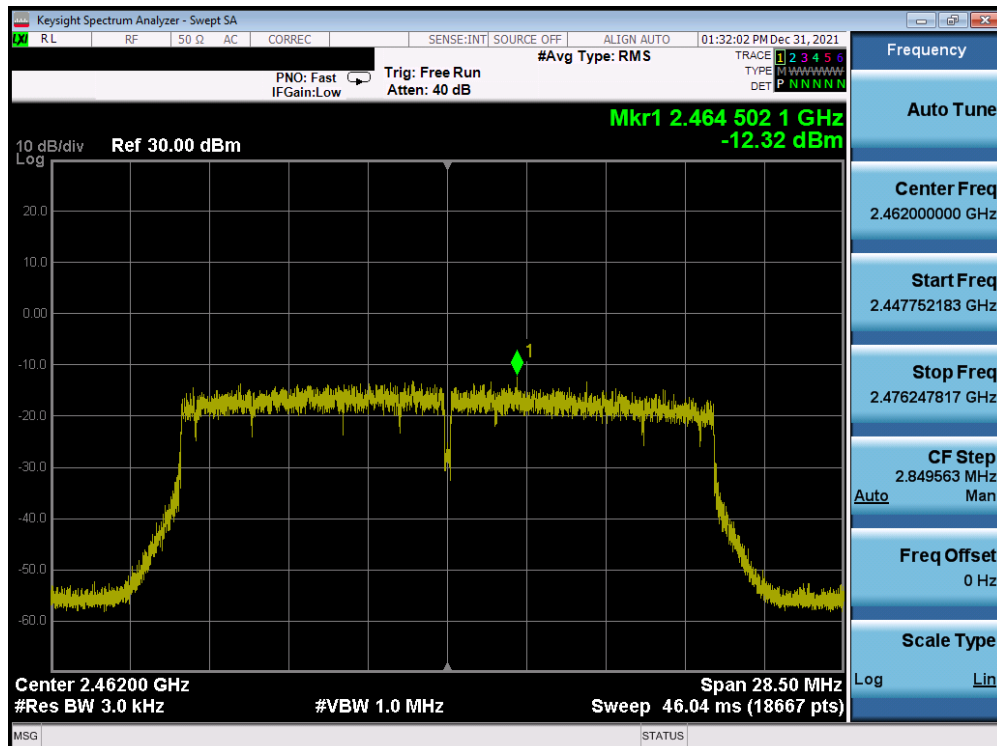


Plot 7-172. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 6) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 132 of 419



Plot 7-173. Power Spectral Density Plot CDD Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5



Plot 7-174. Power Spectral Density Plot CDD Antenna 1a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS5

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 133 of 419

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 3a and Antenna 1a 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 -2.96 dBm for Antenna 3a and -3.20 dBm for Antenna 1a.

$$\text{Antenna 3a} + \text{Antenna 1a} = \text{CDD}$$

$$(-2.96 \text{ dBm} + -3.20 \text{ dBm}) = (0.506 \text{ mW} + 0.479 \text{ mW}) = 0.985 \text{ mW} = -0.07 \text{ dBm}$$

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device		Page 134 of 419