

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 $\geq 2 \times \text{Span}/\text{RBW}$
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

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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.

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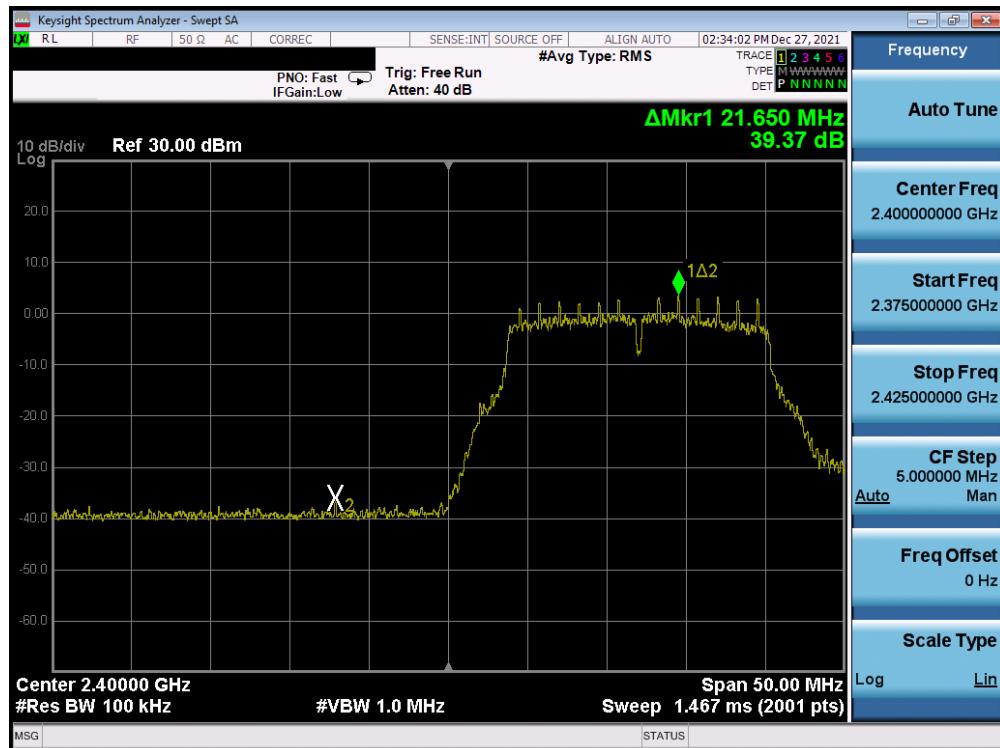
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V 10.5 12/15/2021

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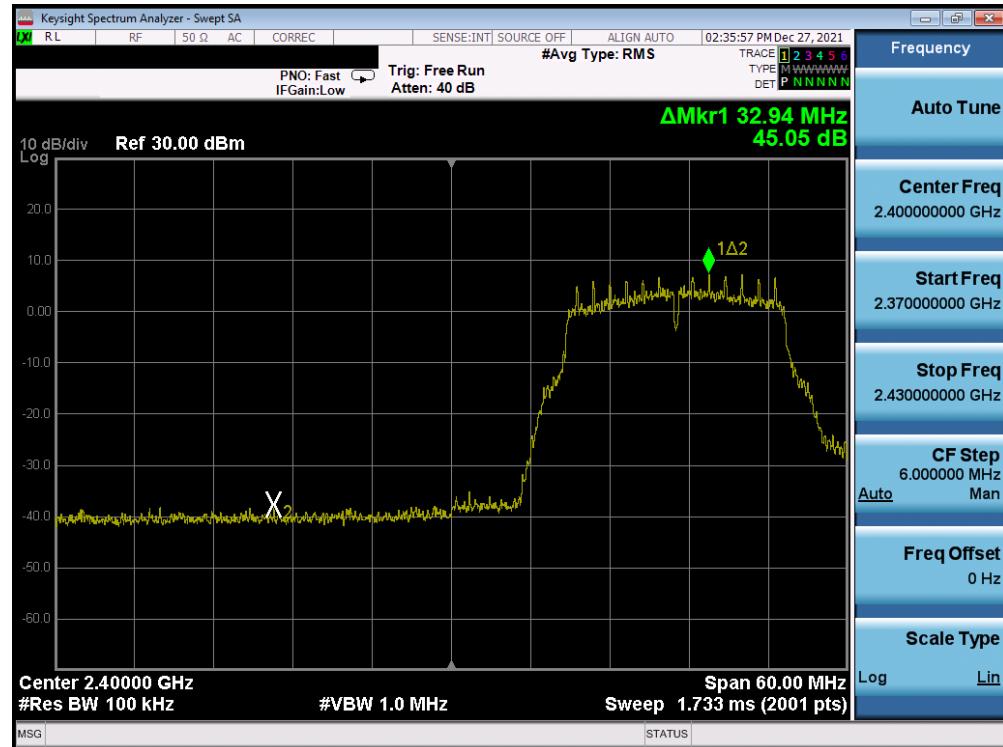
Antenna 3a Conducted Emissions at the Band Edge

Low Data Rate

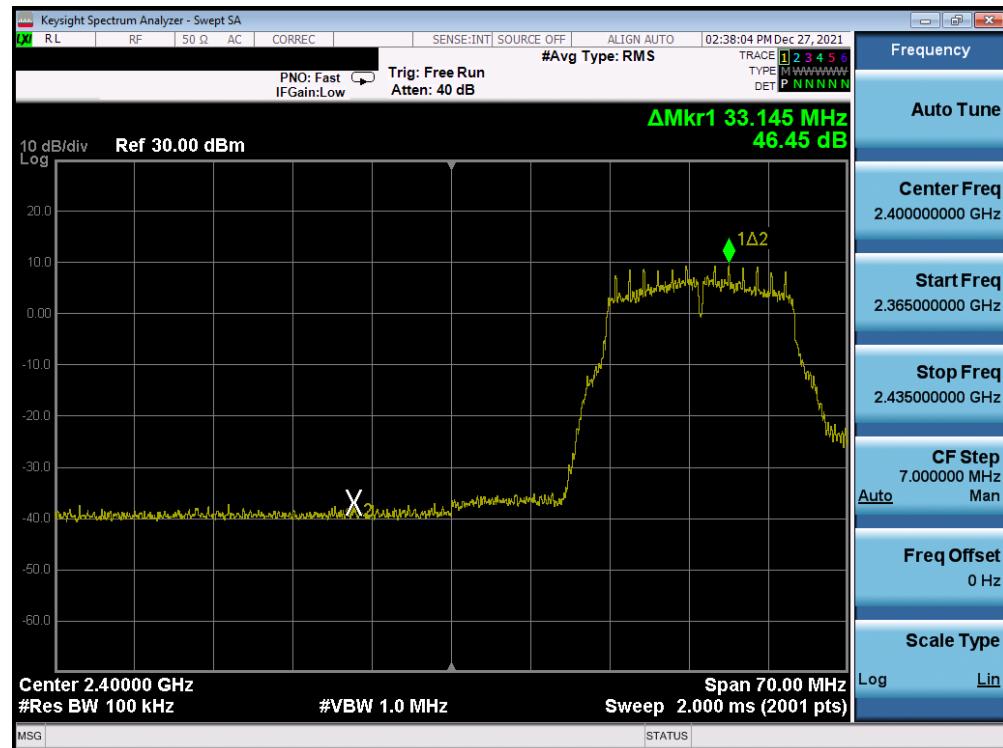


Plot 7-175. Band Edge Plot Antenna 3a (802.11g– Ch. 1) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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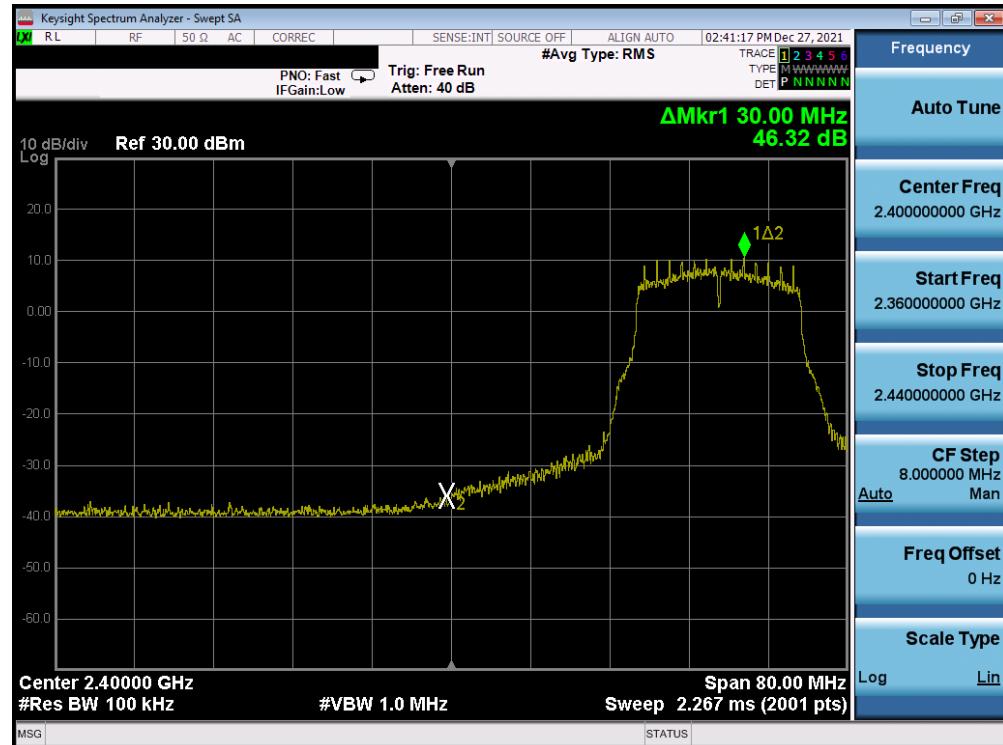


Plot 7-176. Band Edge Plot Antenna 3a (802.11g- Ch. 2) – 6Mbps

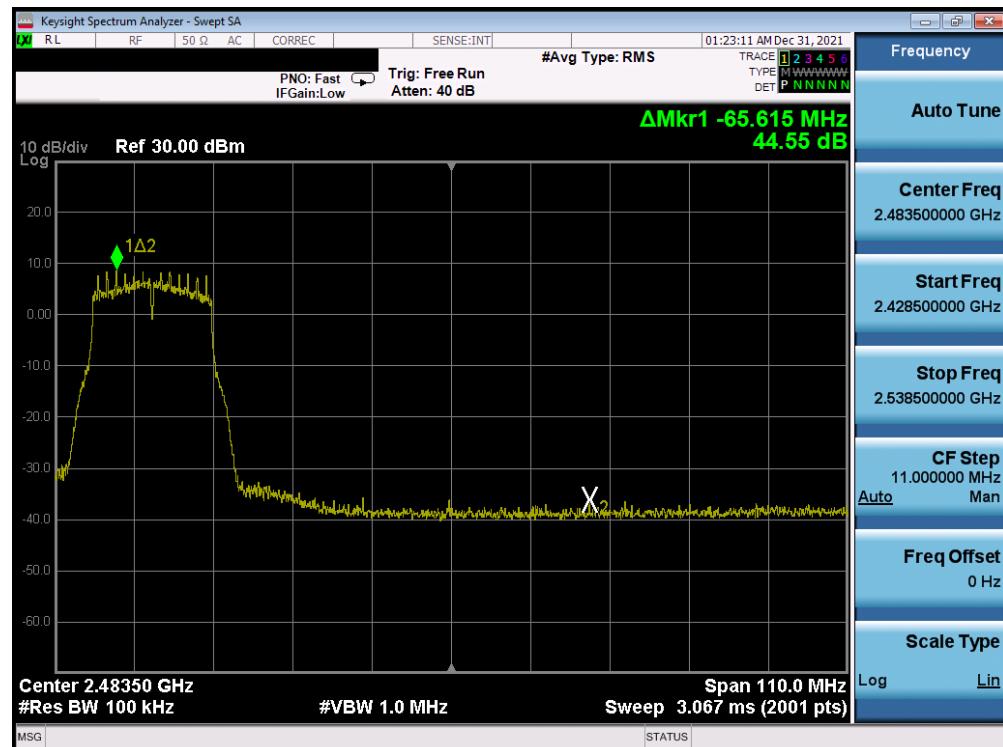


Plot 7-177. Band Edge Plot Antenna 3a (802.11g- Ch. 3) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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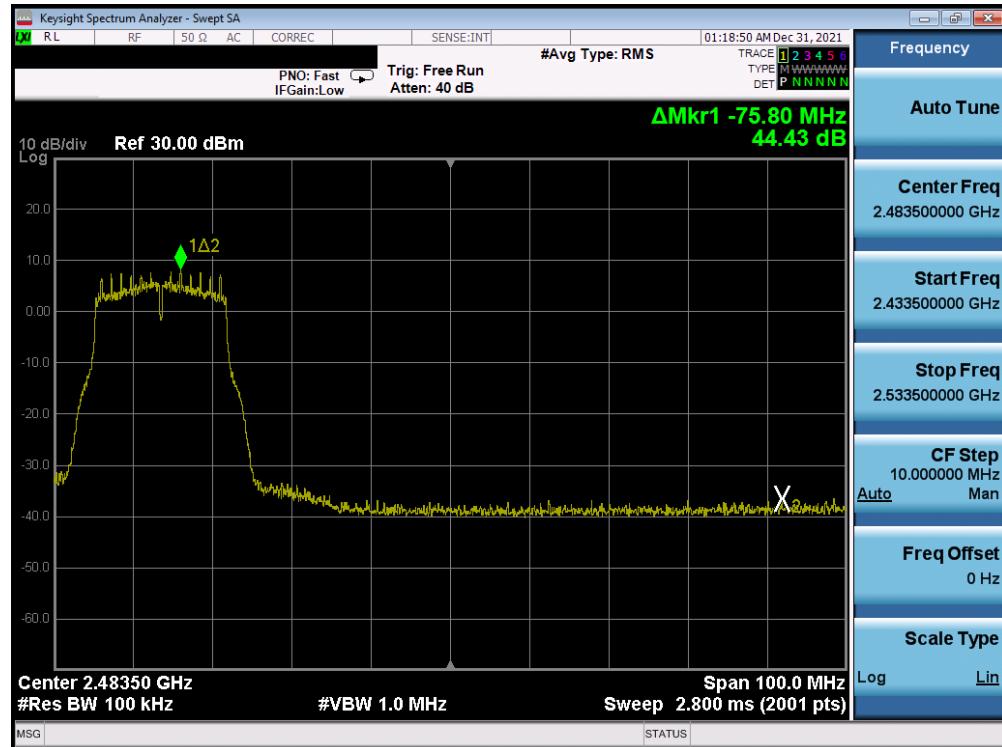


Plot 7-178. Band Edge Plot Antenna 3a (802.11g– Ch. 4) – 6Mbps

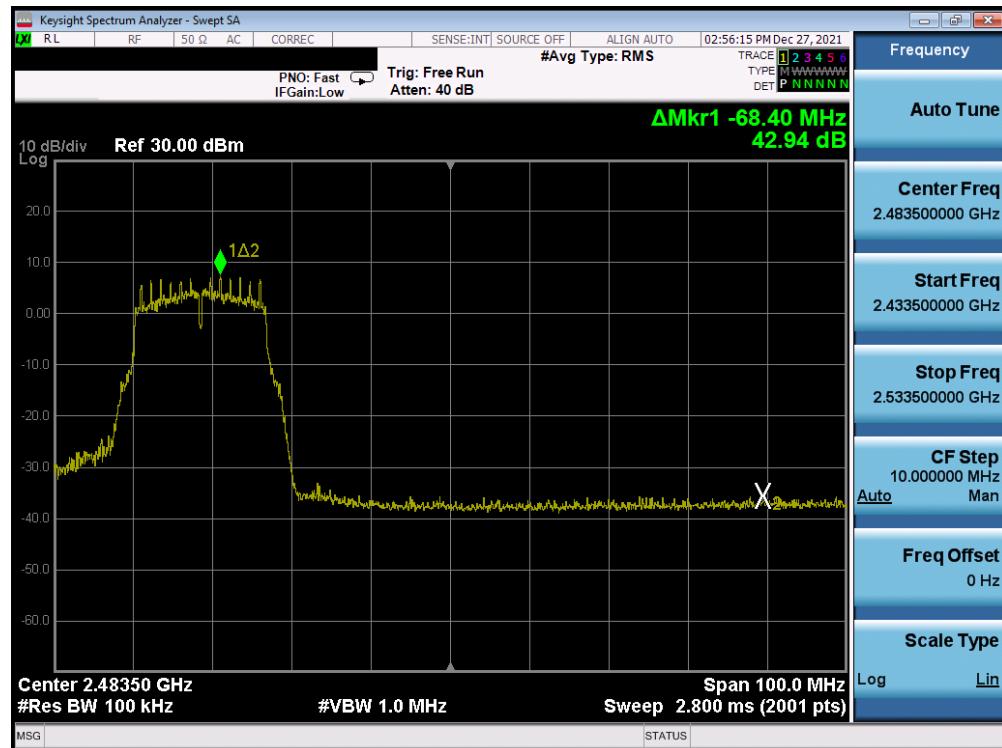


Plot 7-179. Band Edge Plot Antenna 3a (802.11g– Ch. 7) – 6Mbps

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 139 of 419

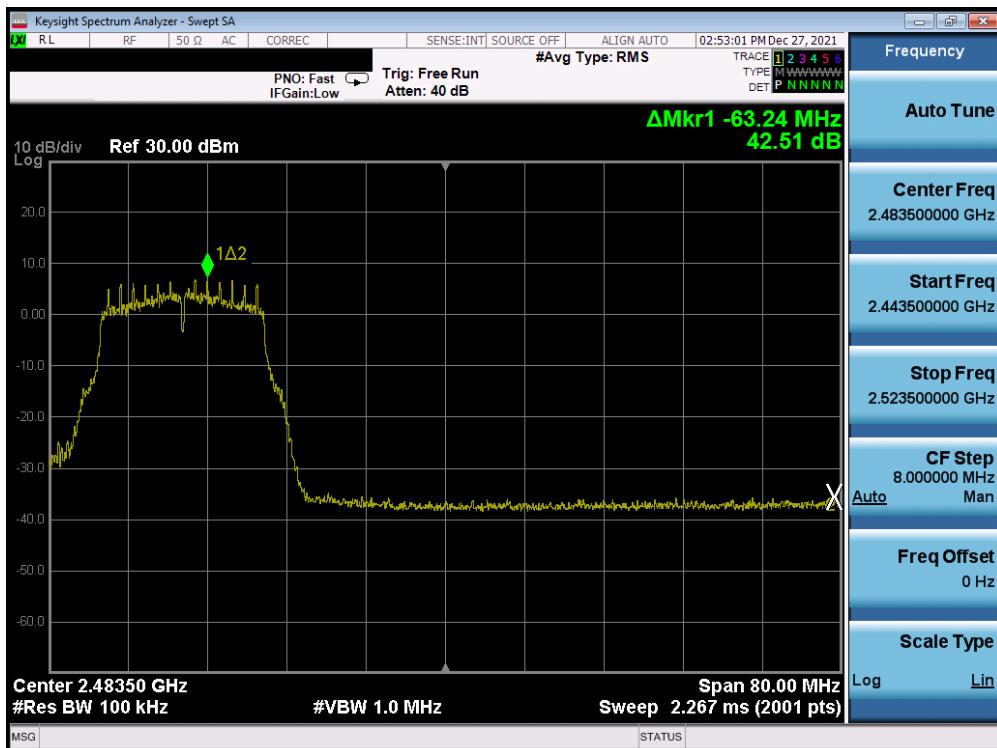


Plot 7-180. Band Edge Plot Antenna 3a (802.11g – Ch. 8) – 6Mbps

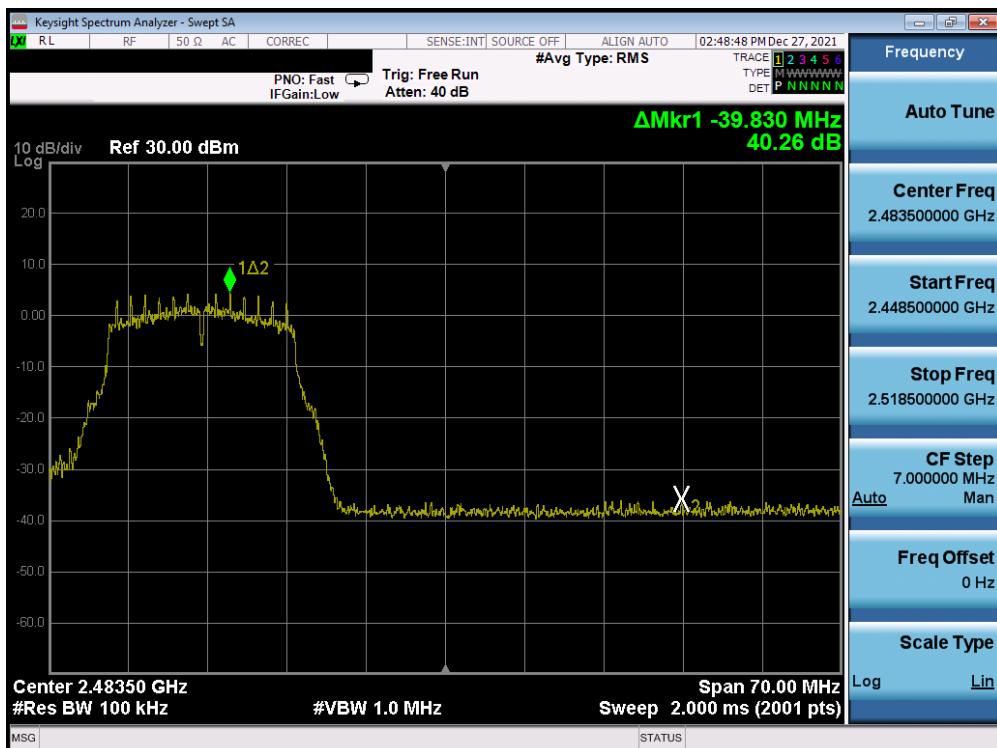


Plot 7-181. Band Edge Plot Antenna 3a (802.11g – Ch. 9) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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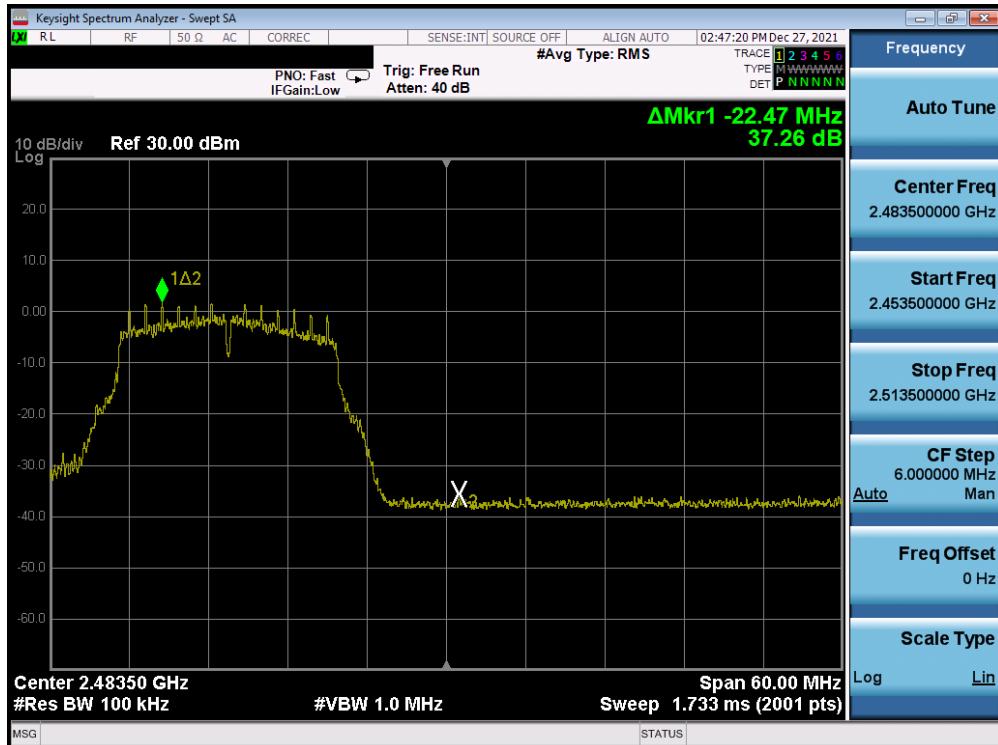


Plot 7-182. Band Edge Plot Antenna 3a (802.11g – Ch. 10) – 6Mbps

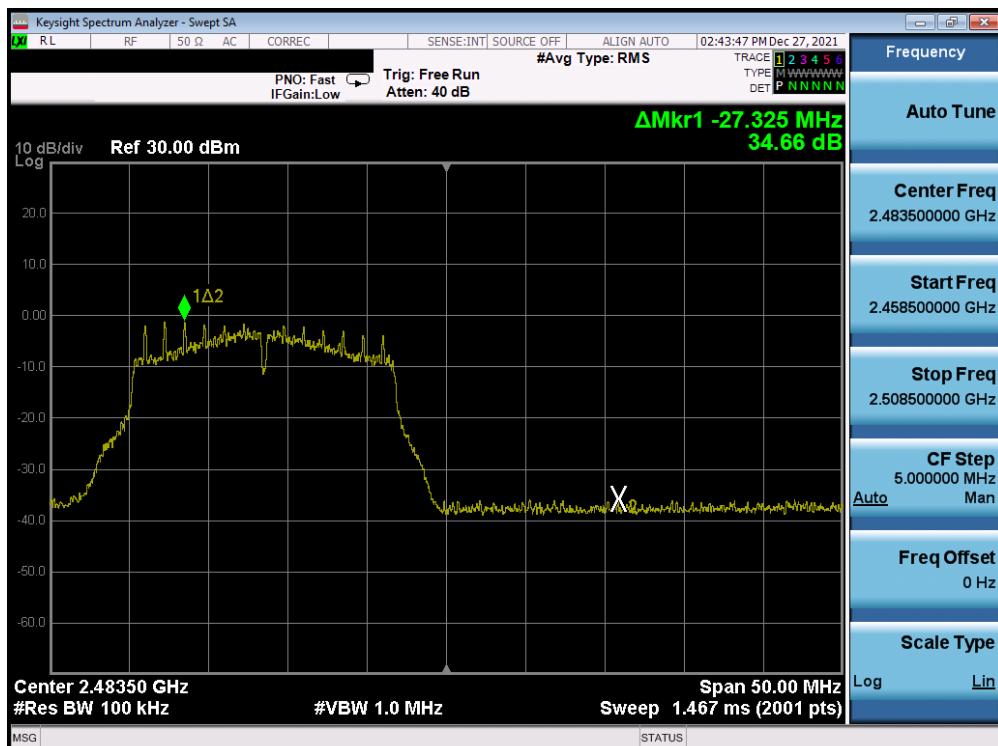


Plot 7-183. Band Edge Plot Antenna 3a (802.11g – Ch. 11) – 6Mbps

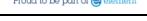
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 141 of 419

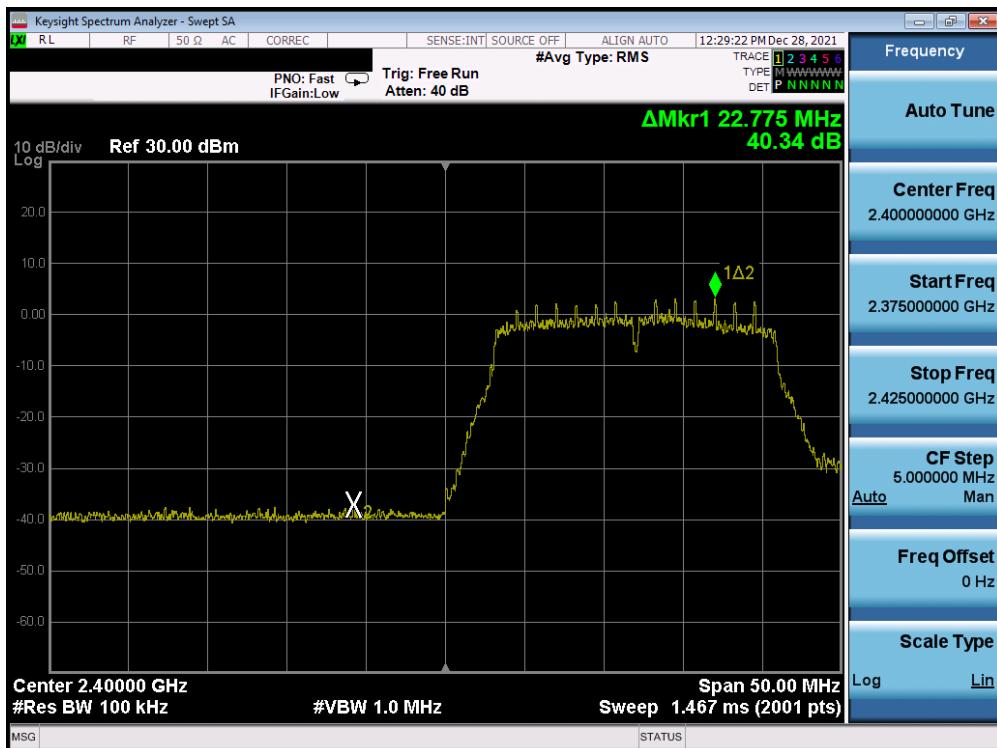


Plot 7-184. Band Edge Plot Antenna 3a (802.11g – Ch. 12) – 6Mbps

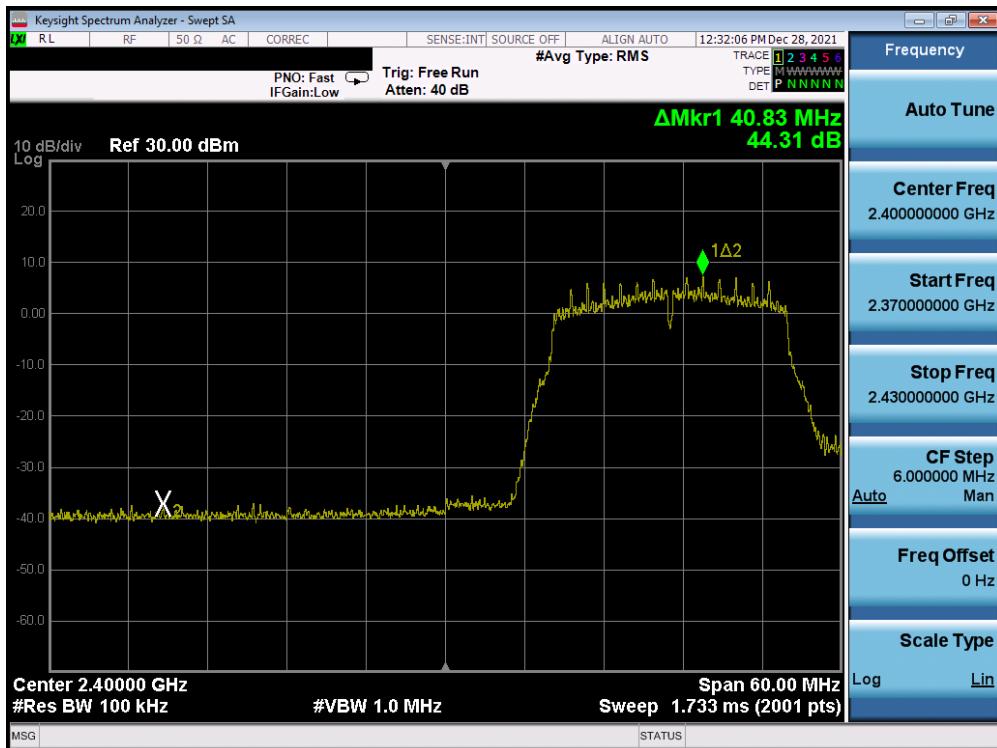


Plot 7-185. Band Edge Plot Antenna 3a (802.11g – Ch. 13) – 6Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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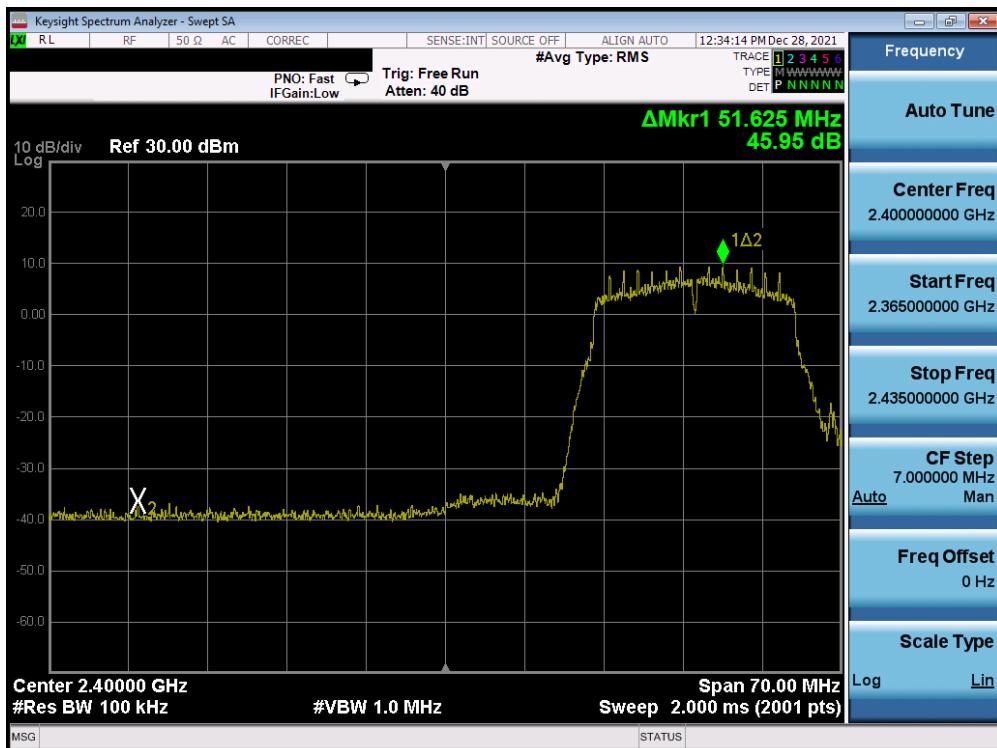


Plot 7-186. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS0

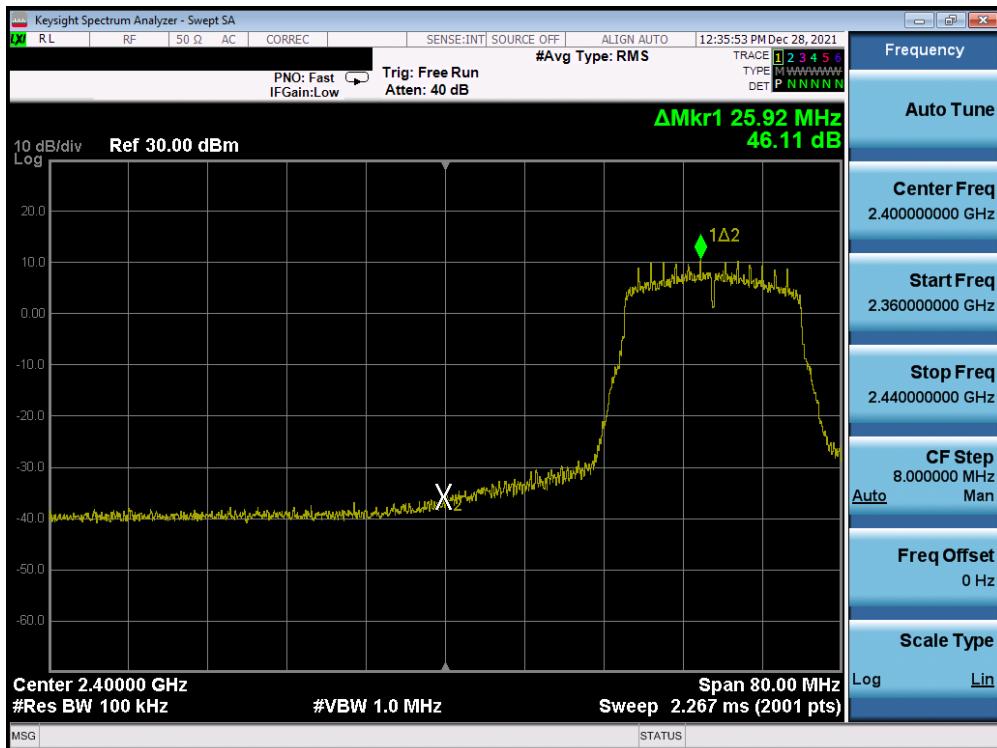


Plot 7-187. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 2) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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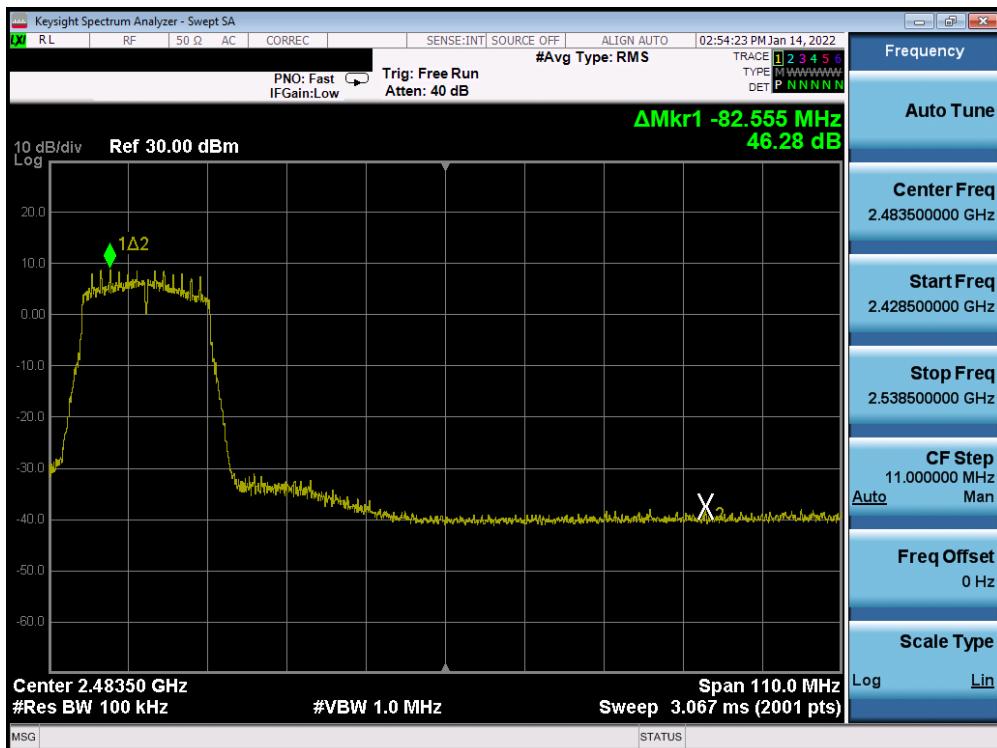


Plot 7-188. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 3) – MCS0

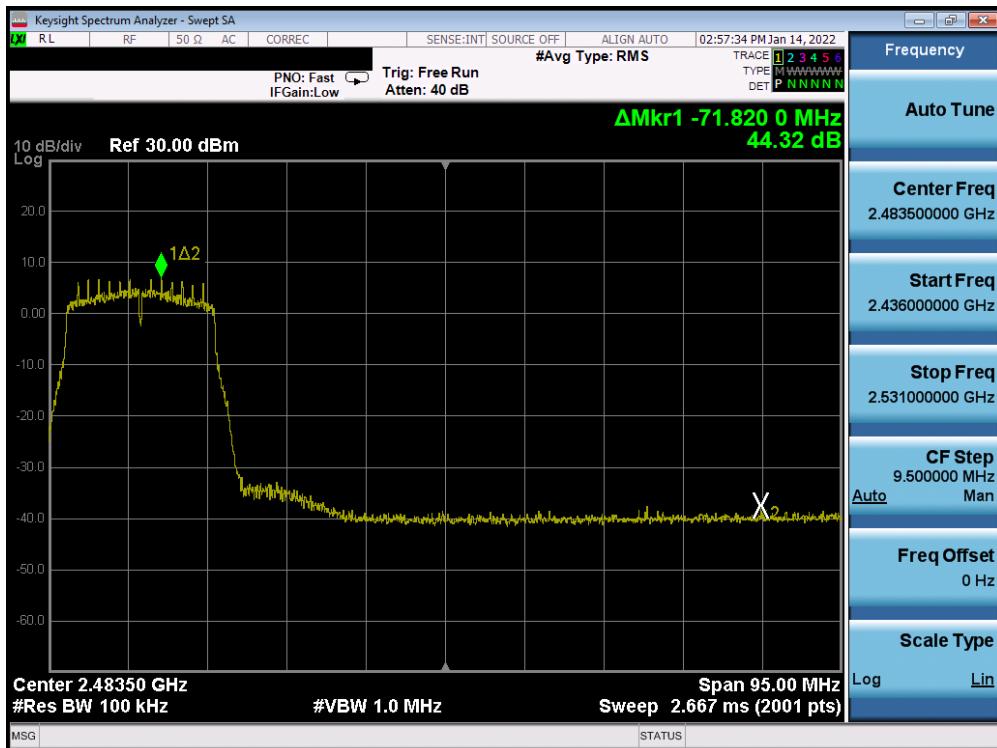


Plot 7-189. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 4) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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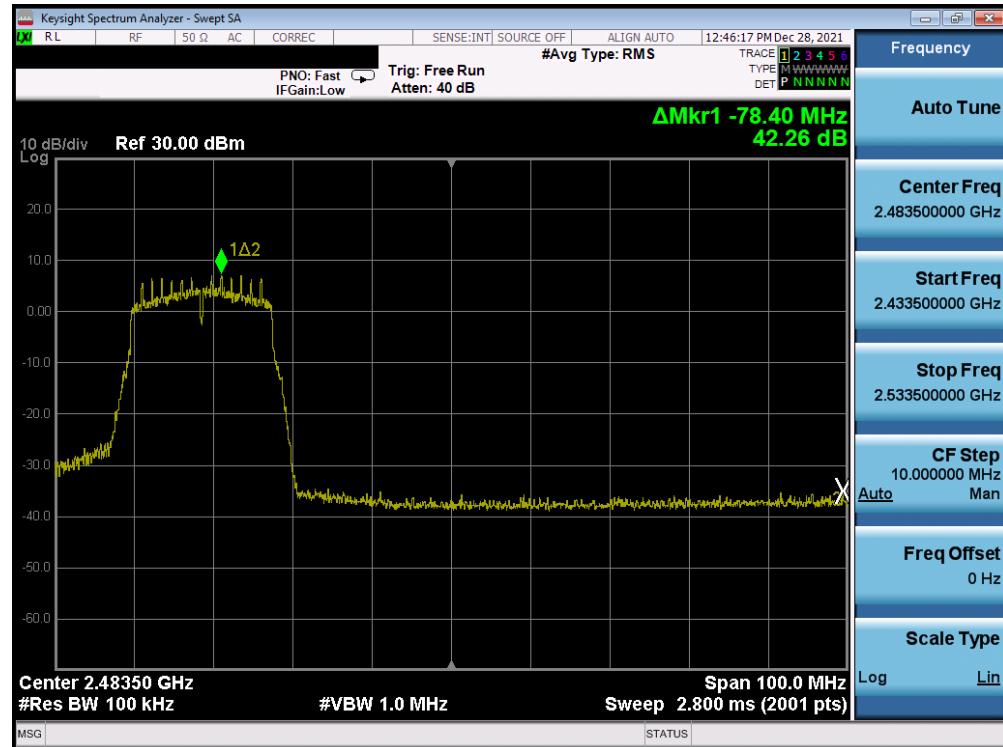


Plot 7-190. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 7) – MCS0

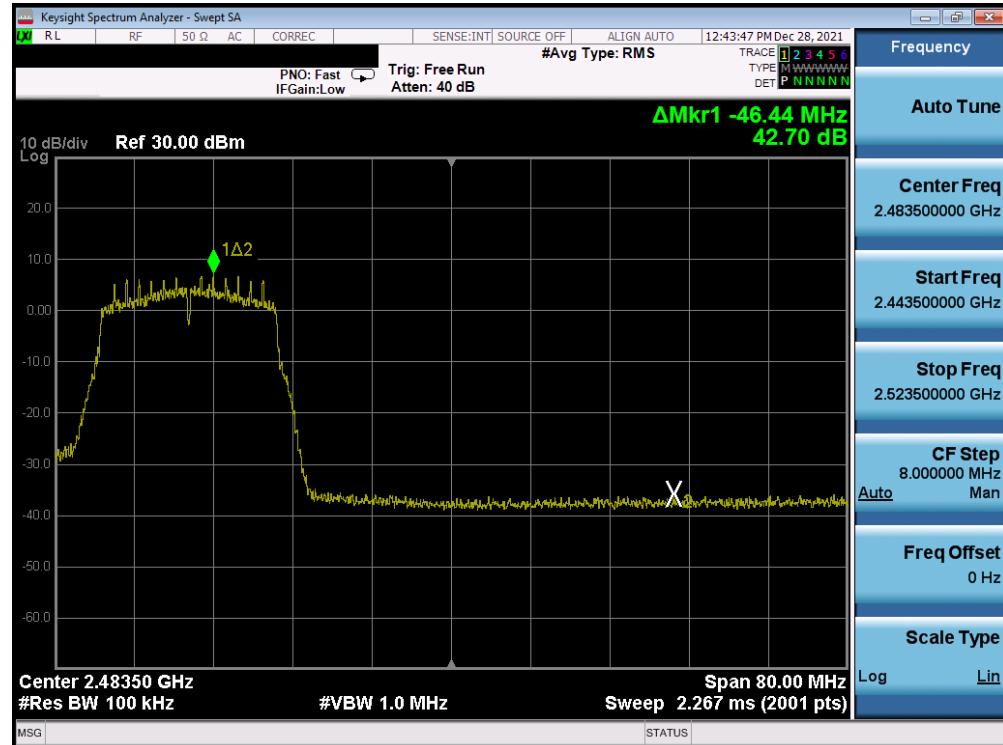


Plot 7-191. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 8) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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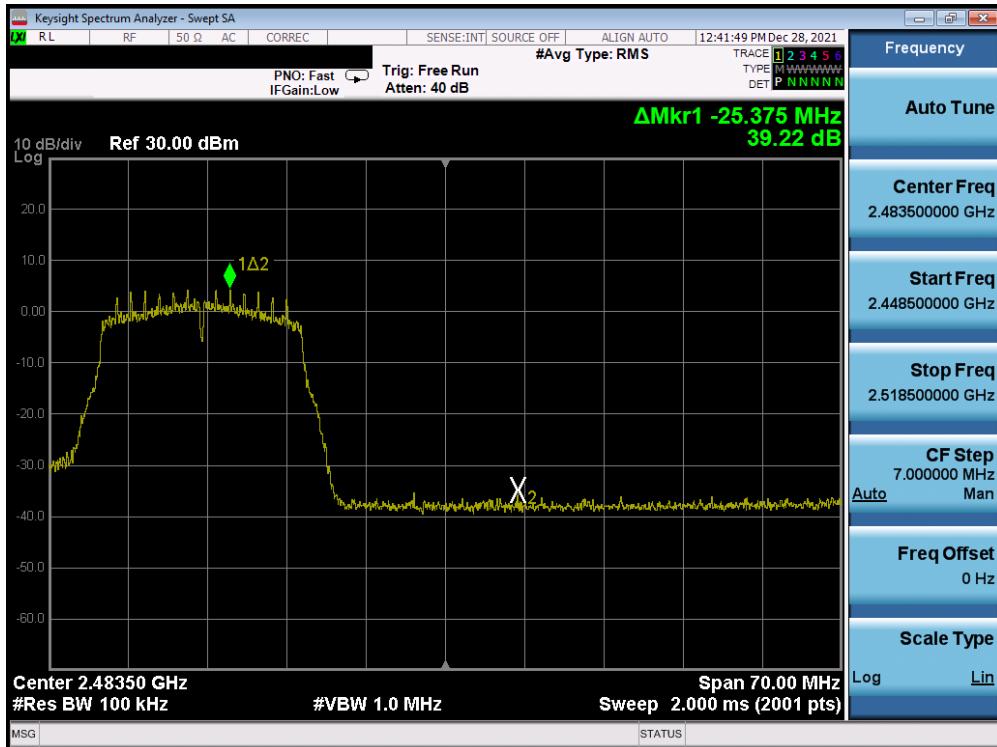


Plot 7-192. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 9) – MCS0

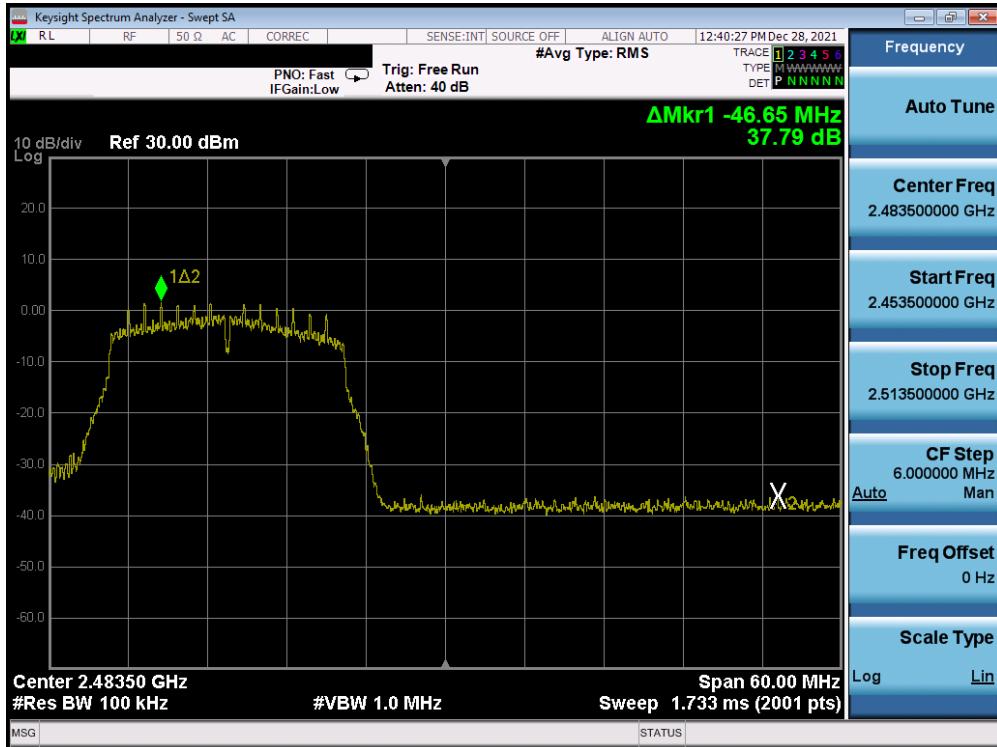


Plot 7-193. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 10) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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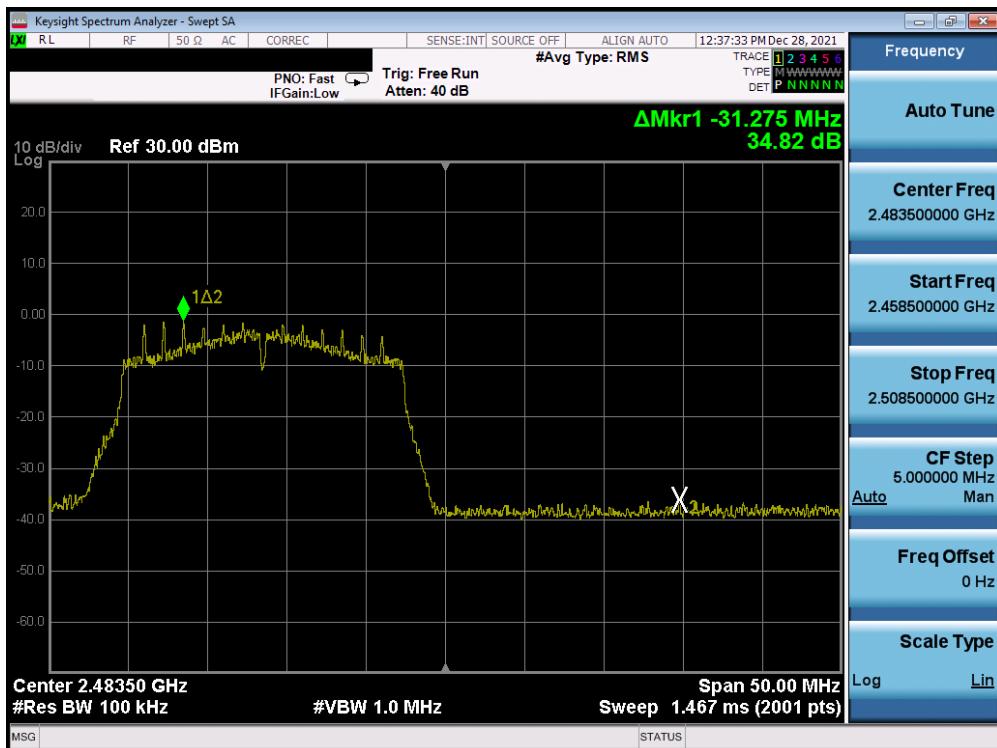


Plot 7-194. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 11) – MCS0

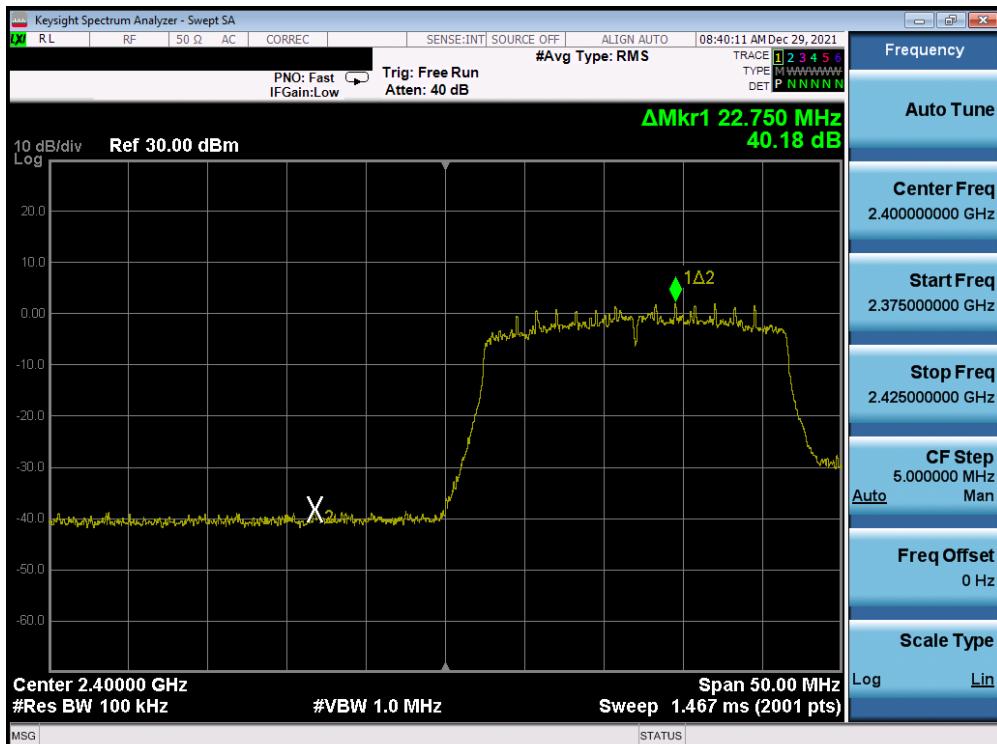


Plot 7-195. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 12) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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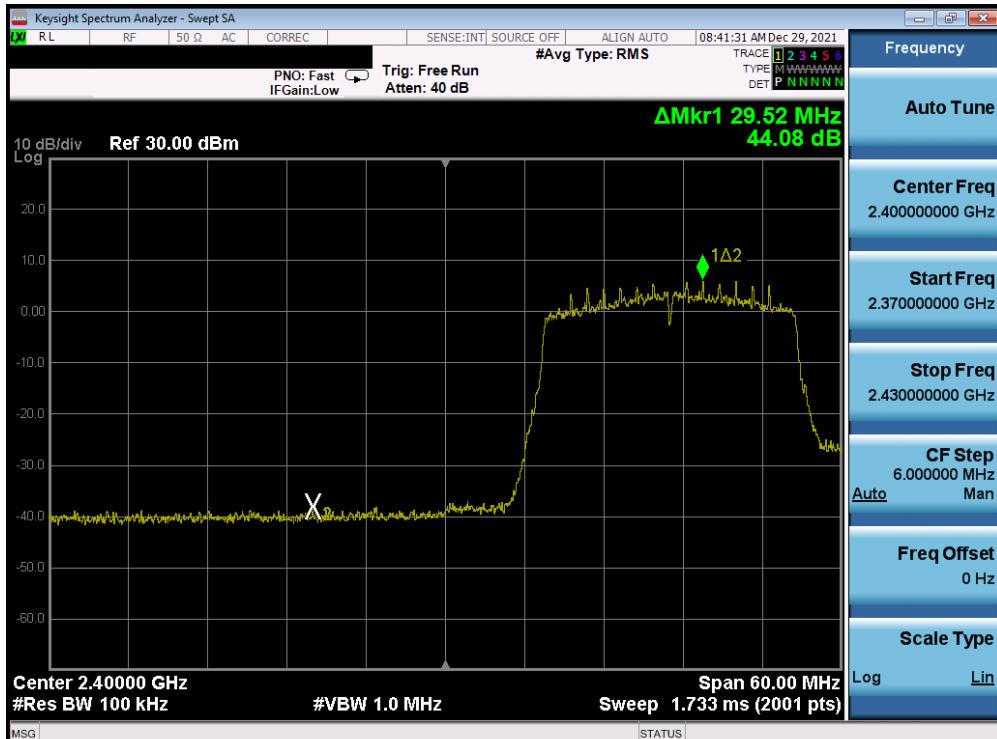


Plot 7-196. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 13) – MCS0

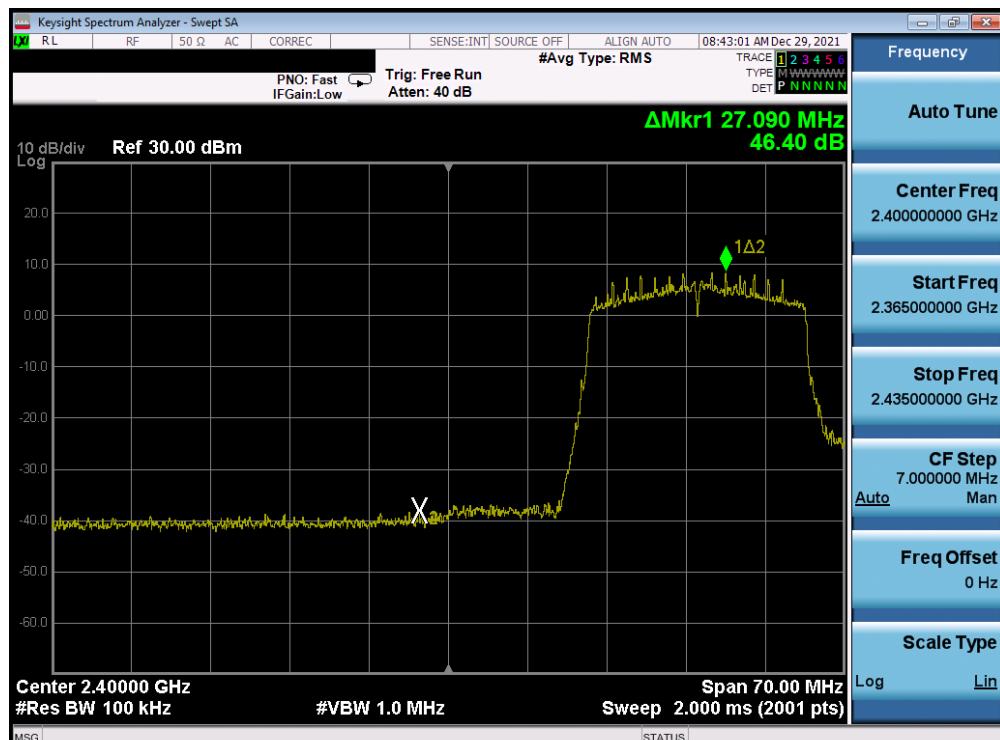


Plot 7-197. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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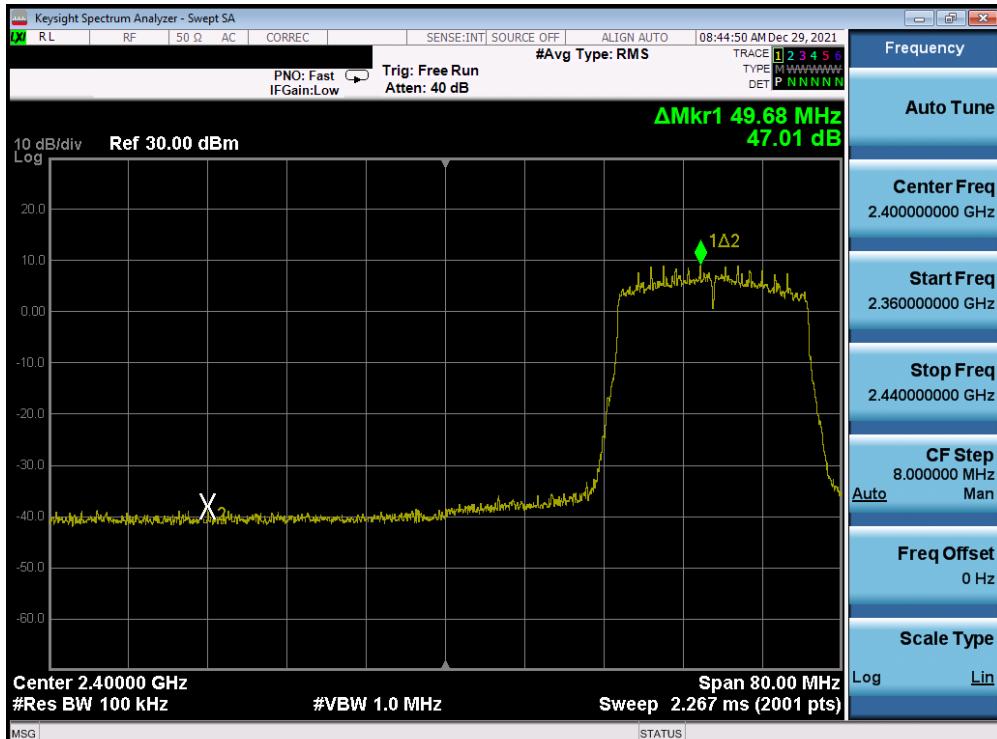


Plot 7-198. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 2) – MCS0

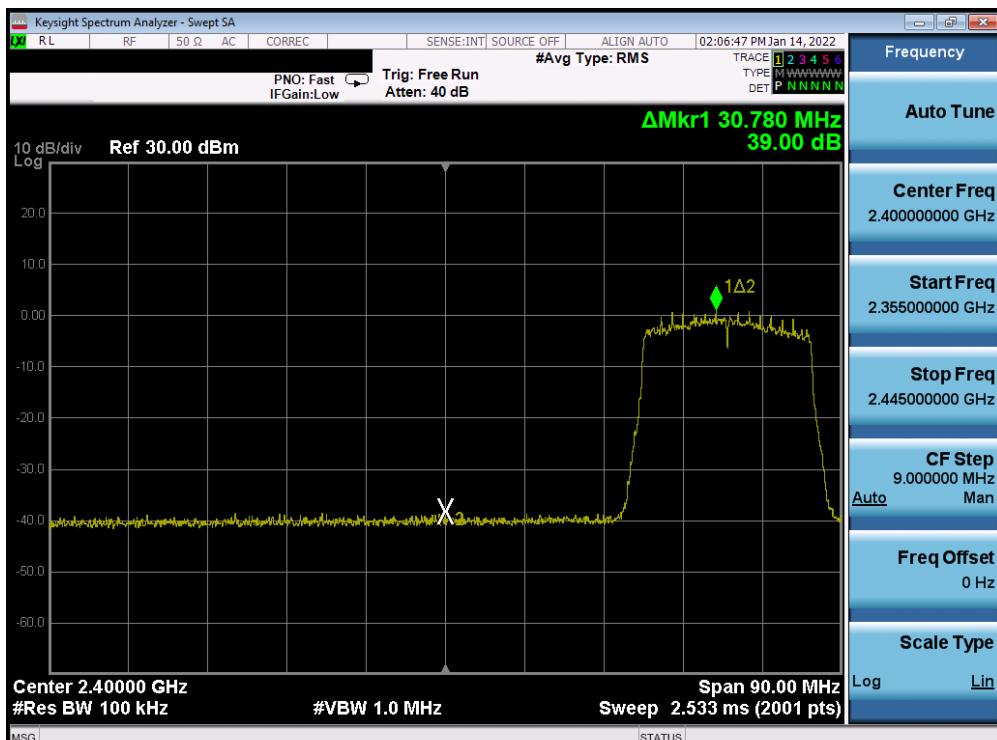


Plot 7-199. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 3) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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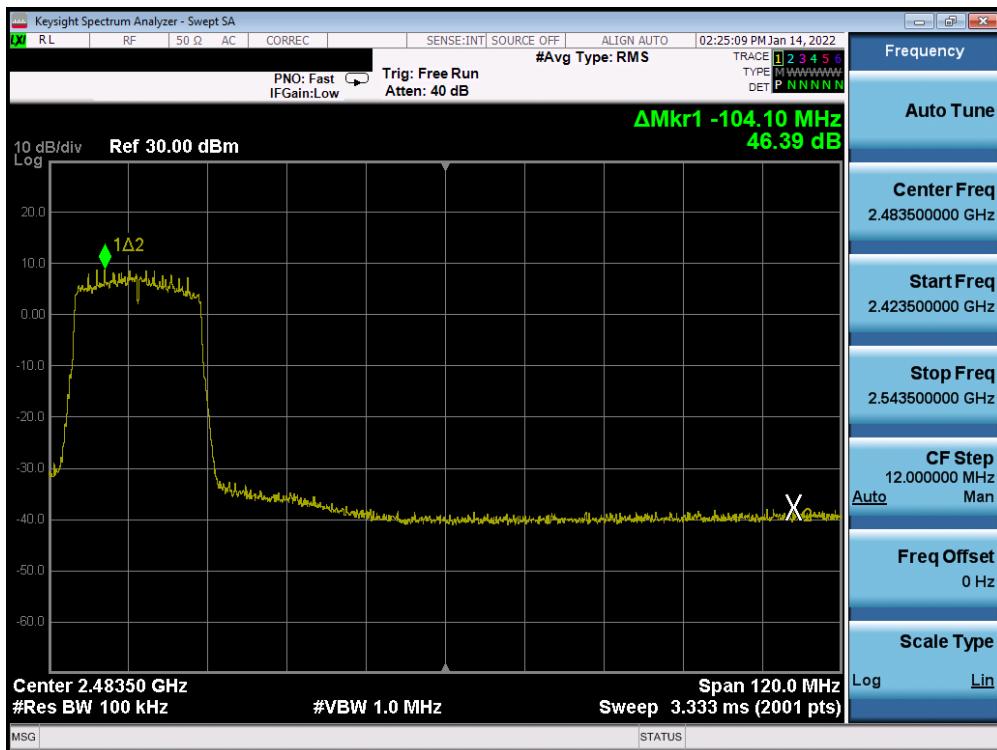


Plot 7-200. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 4) – MCS0

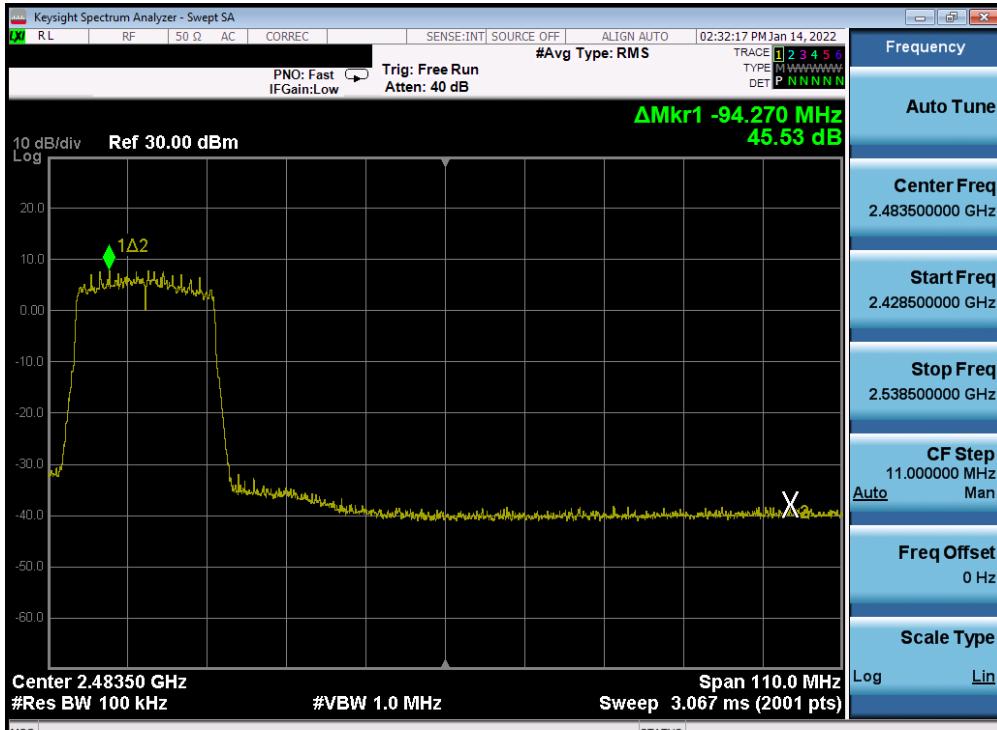


Plot 7-201. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 5) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-202. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6(High)) – MCS0

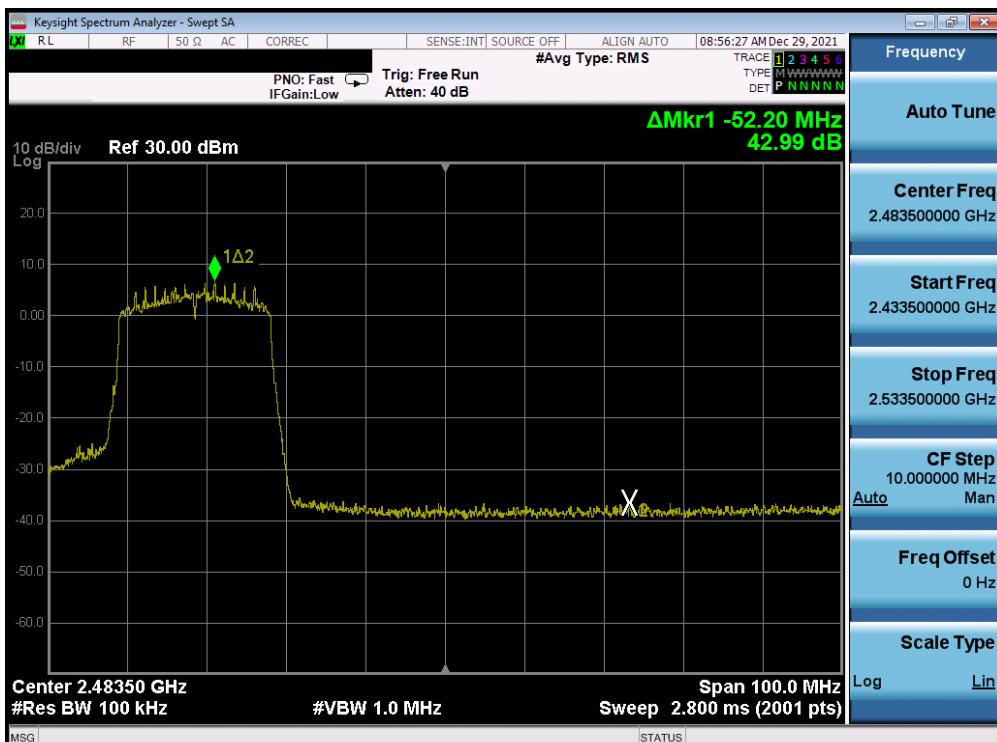


Plot 7-203. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 7) – MCS0

FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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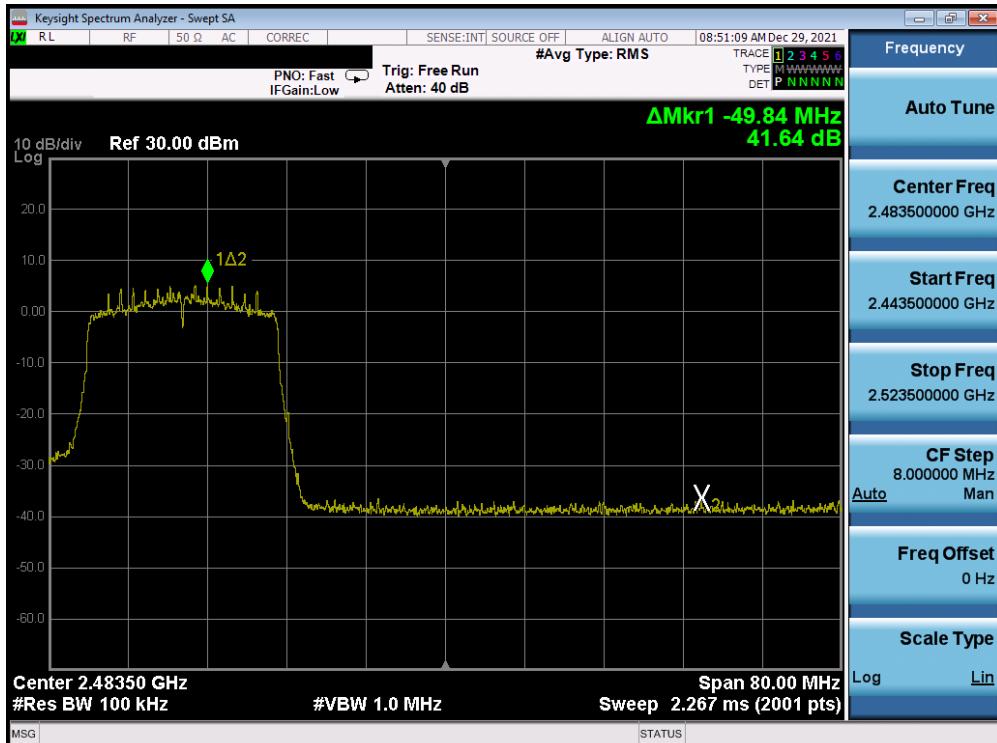


Plot 7-204. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 8) – MCS0

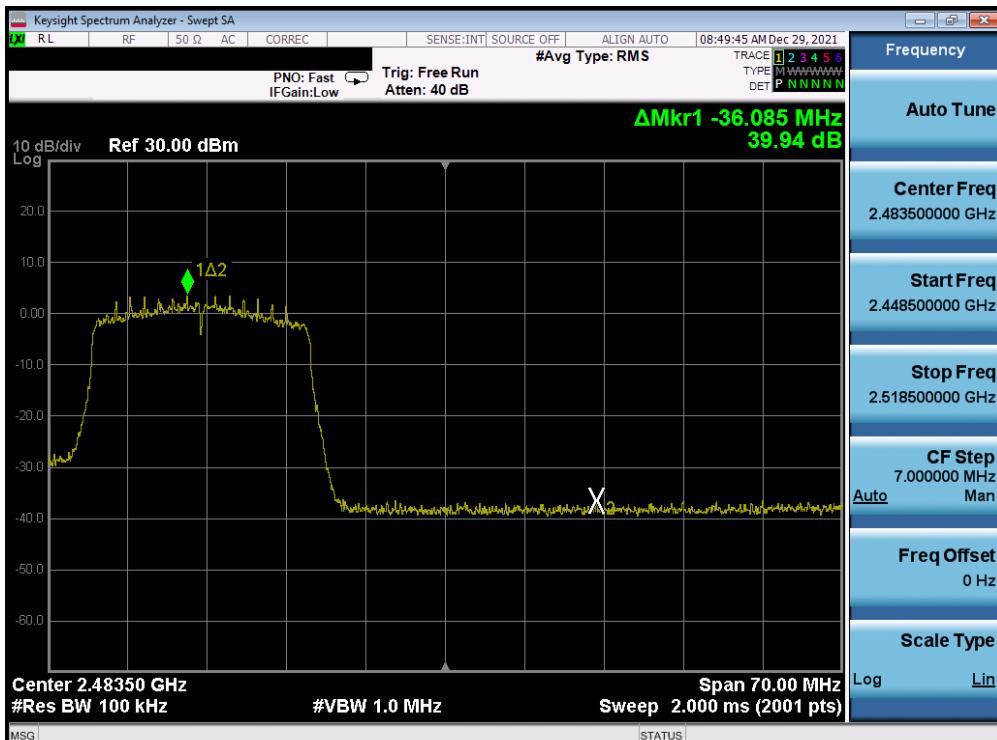


Plot 7-205. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 9) – MCS0

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 152 of 419

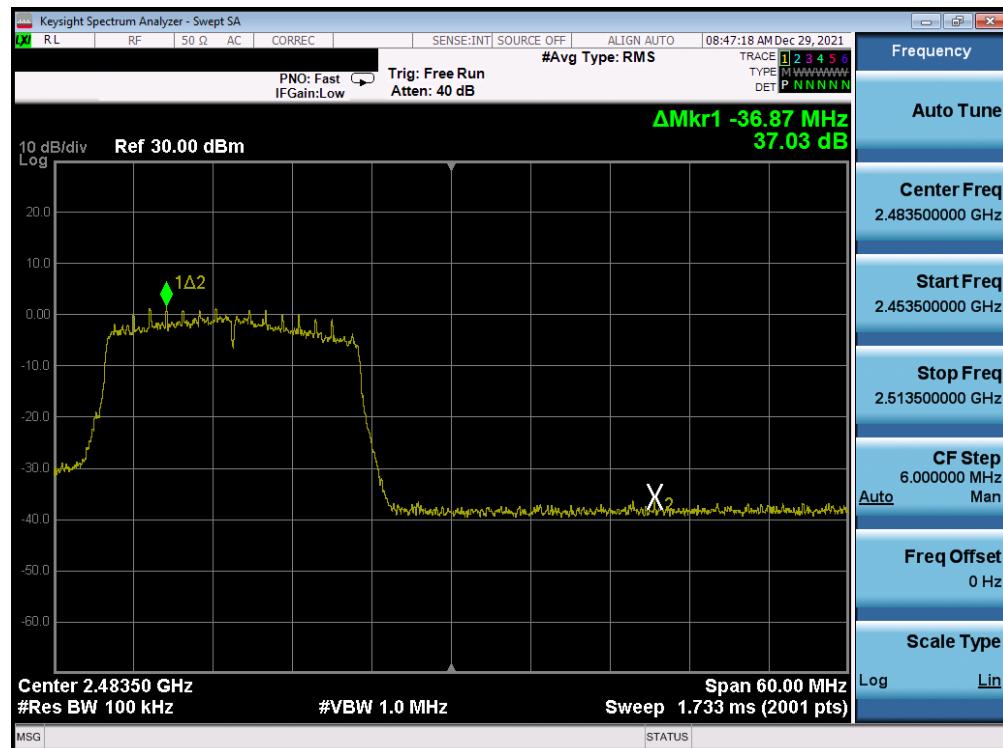


Plot 7-206. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 10) – MCS0

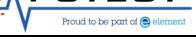


Plot 7-207. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS0

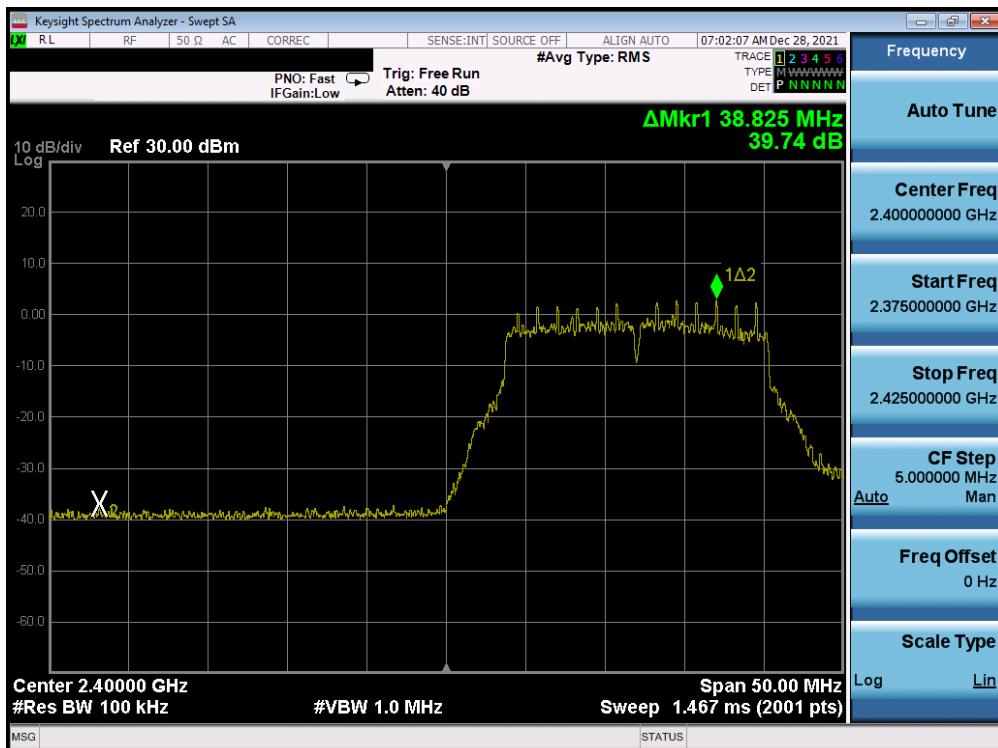
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 153 of 419



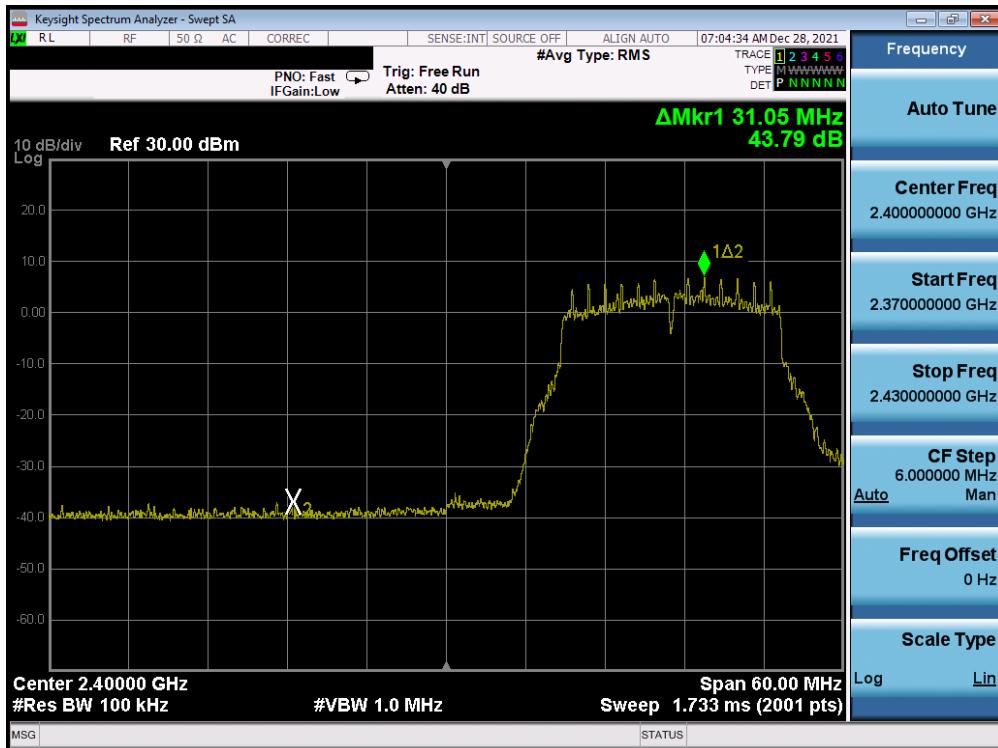
Plot 7-208. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 12) – MCS0

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 154 of 419	

Middle Data Rate

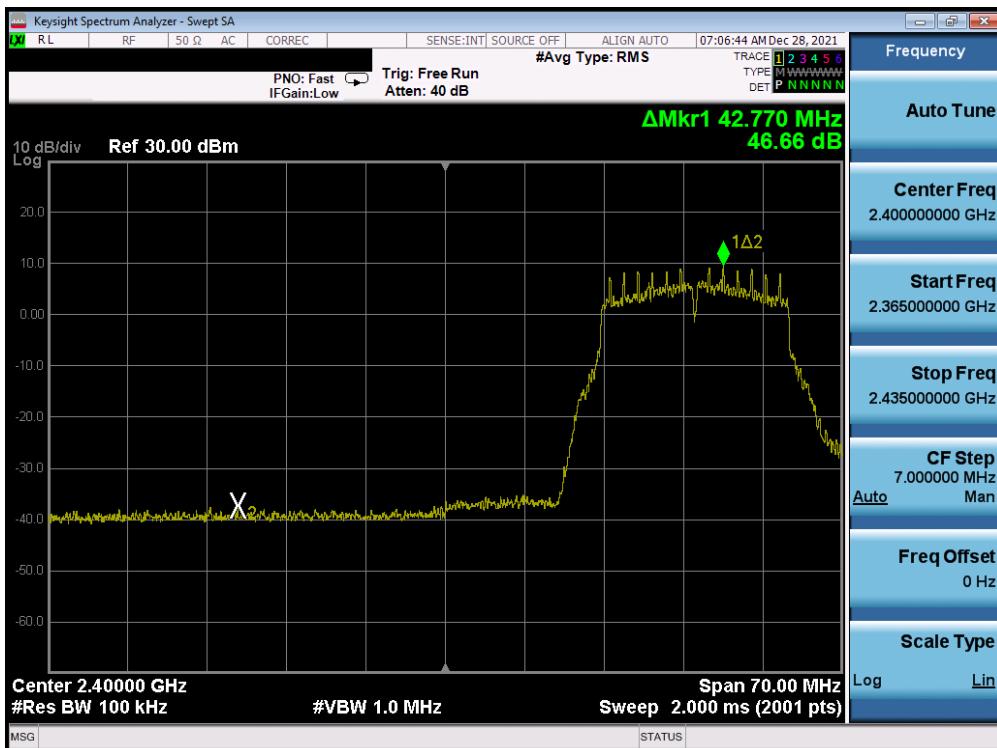


Plot 7-209. Band Edge Plot Antenna 3a (802.11g - Ch. 1) – 18Mbps

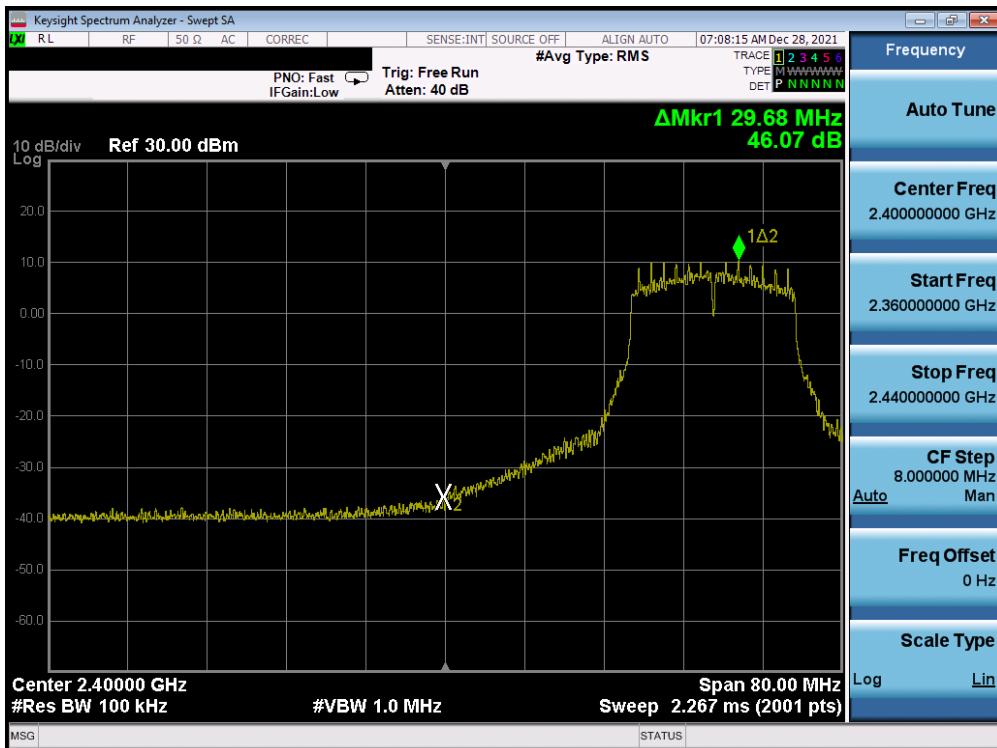


Plot 7-210. Band Edge Plot Antenna 3a (802.11g - Ch. 2) – 18Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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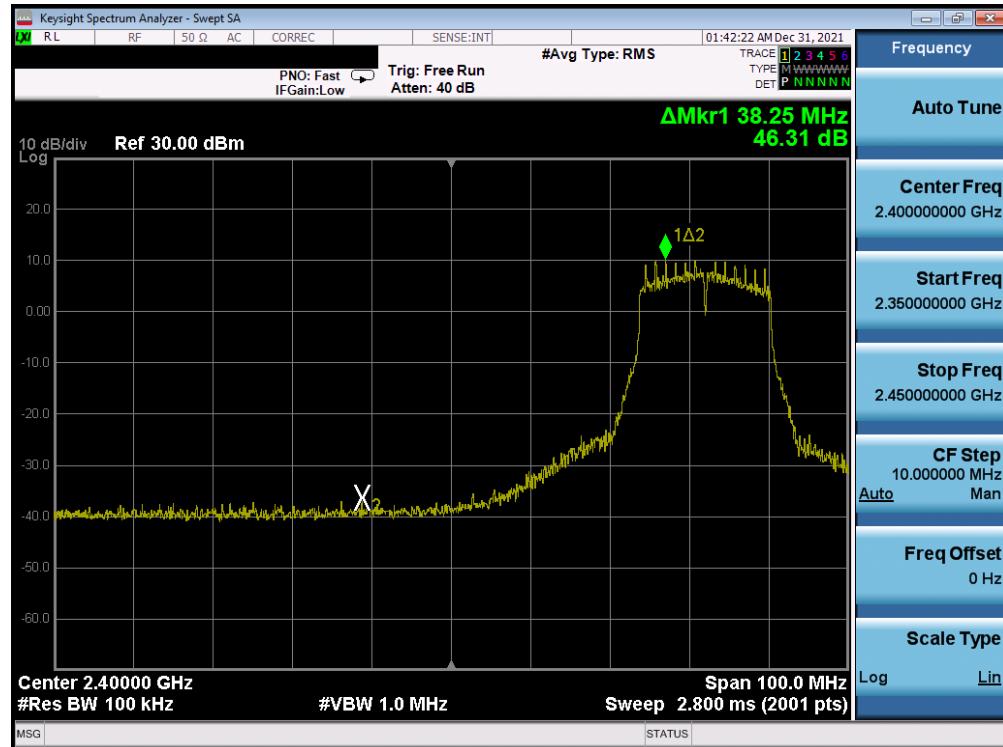


Plot 7-211. Band Edge Plot Antenna 3a (802.11g – Ch. 3) – 18Mbps

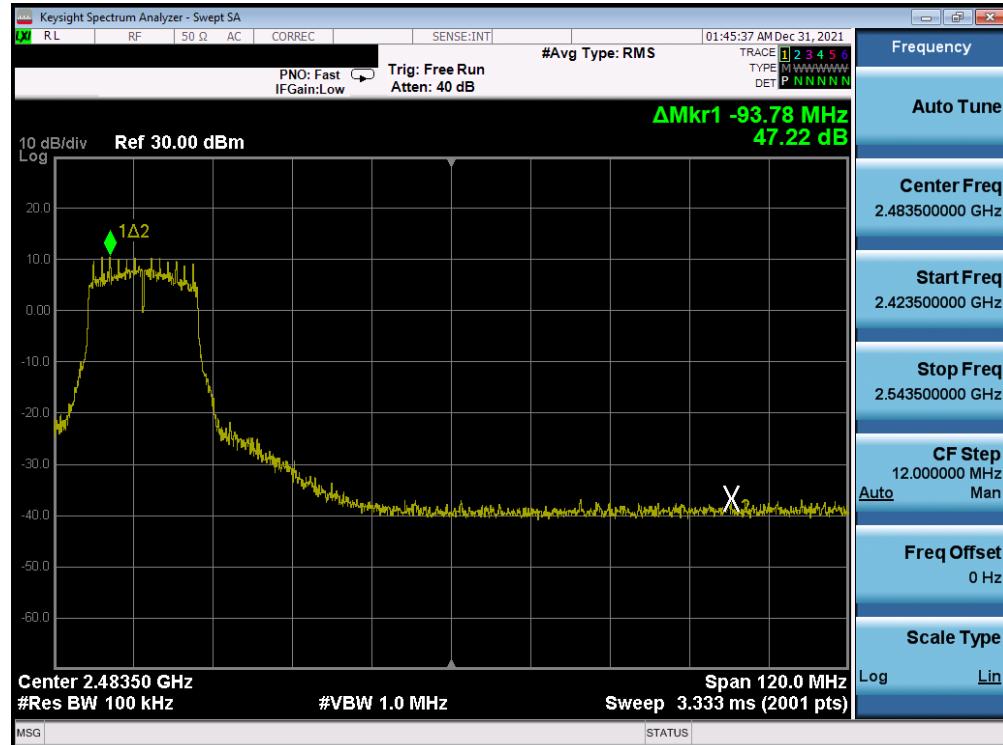


Plot 7-212. Band Edge Plot Antenna 3a (802.11g – Ch. 4) – 18Mbps

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 156 of 419

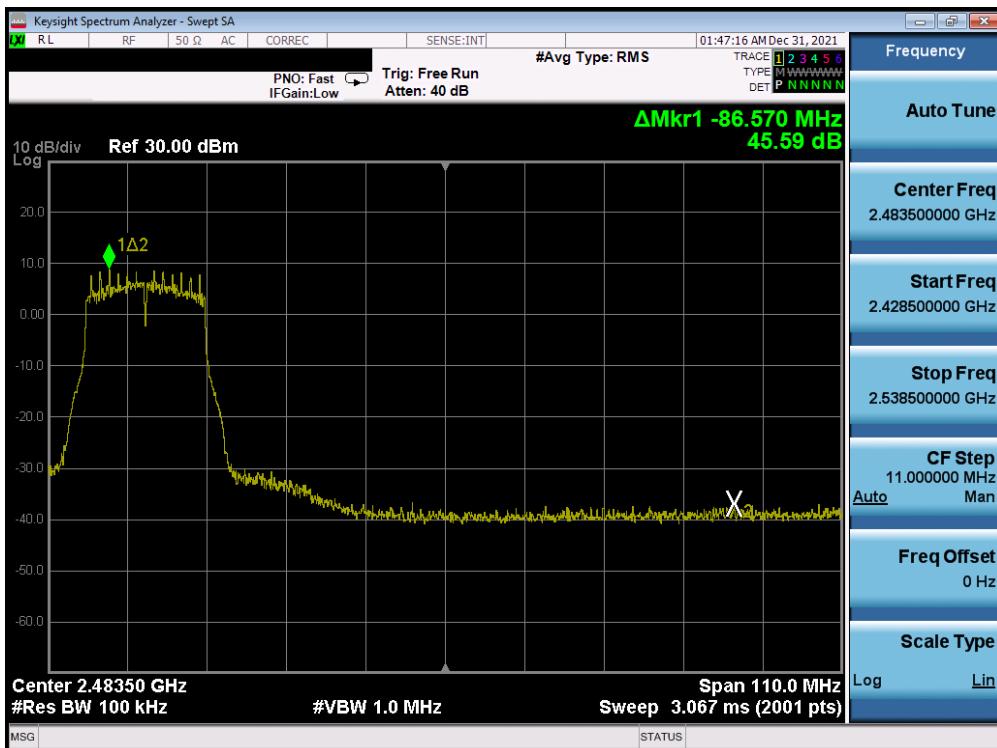


Plot 7-213. Band Edge Plot Antenna 3a (802.11g– Ch. 5) – 18Mbps

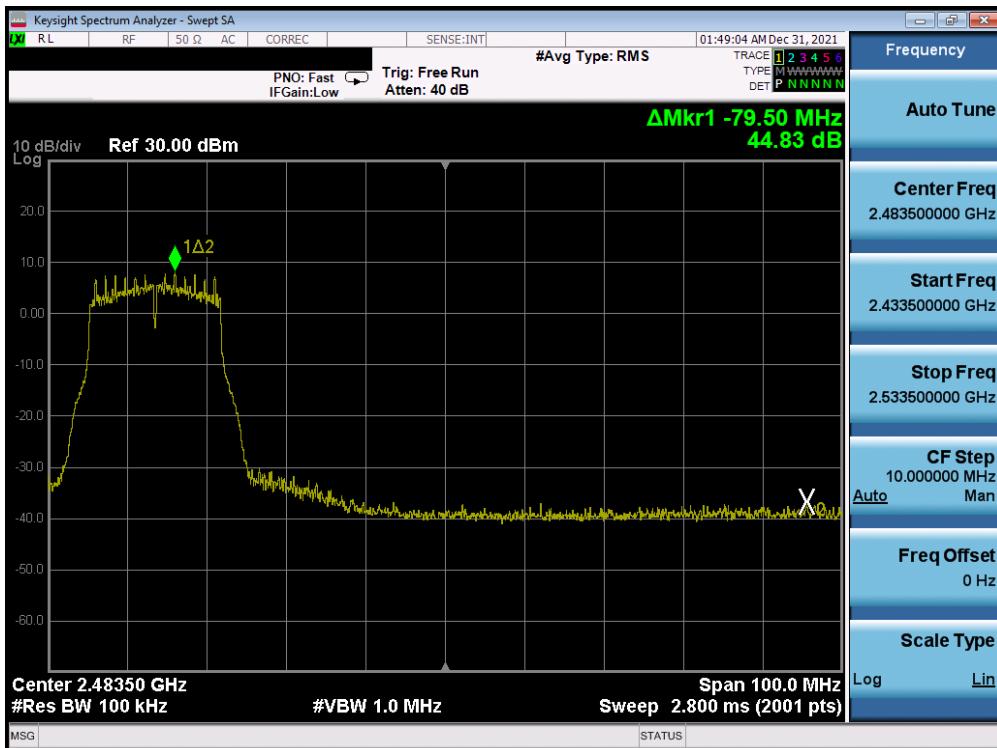


Plot 7-214. Band Edge Plot Antenna 3a (802.11g– Ch. 6 (High)) – 18Mbps

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 157 of 419

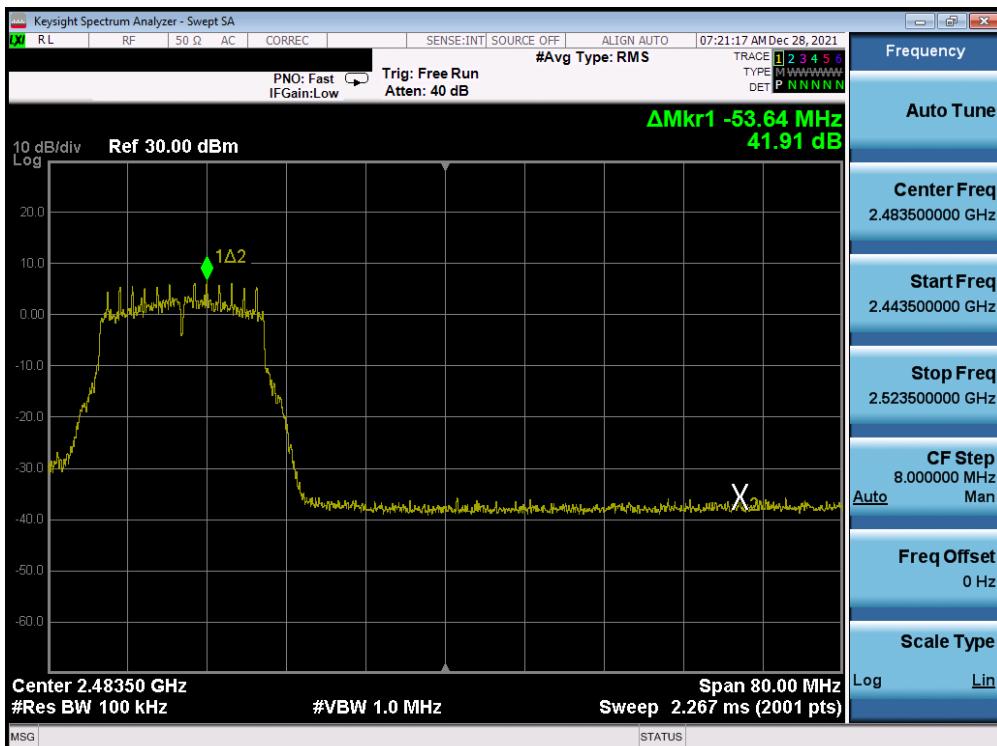


Plot 7-215. Band Edge Plot Antenna 3a (802.11g– Ch. 7) – 18Mbps

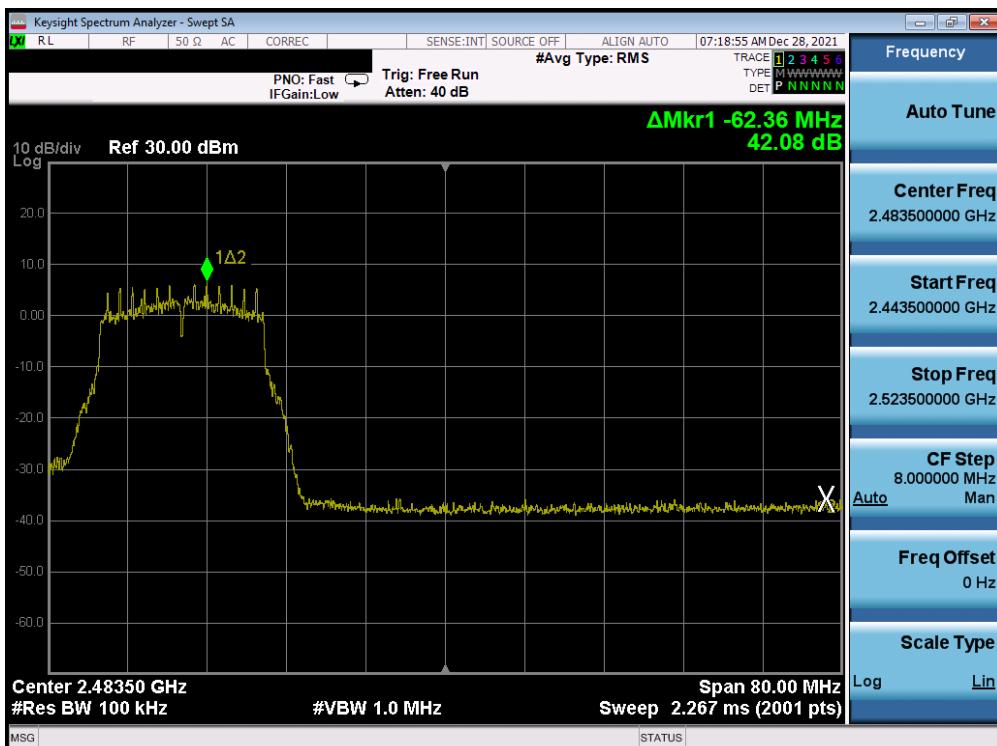


Plot 7-216. Band Edge Plot Antenna 3a (802.11g– Ch. 8) – 18Mbps

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 158 of 419

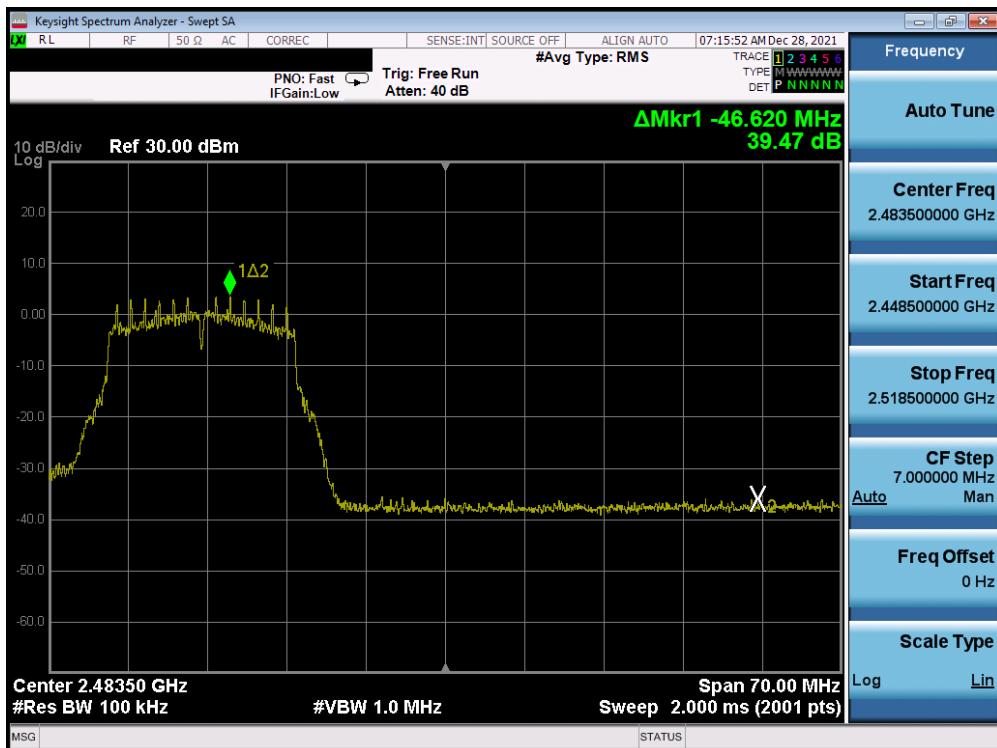


Plot 7-217. Band Edge Plot Antenna 3a (802.11g – Ch. 9) – 18Mbps

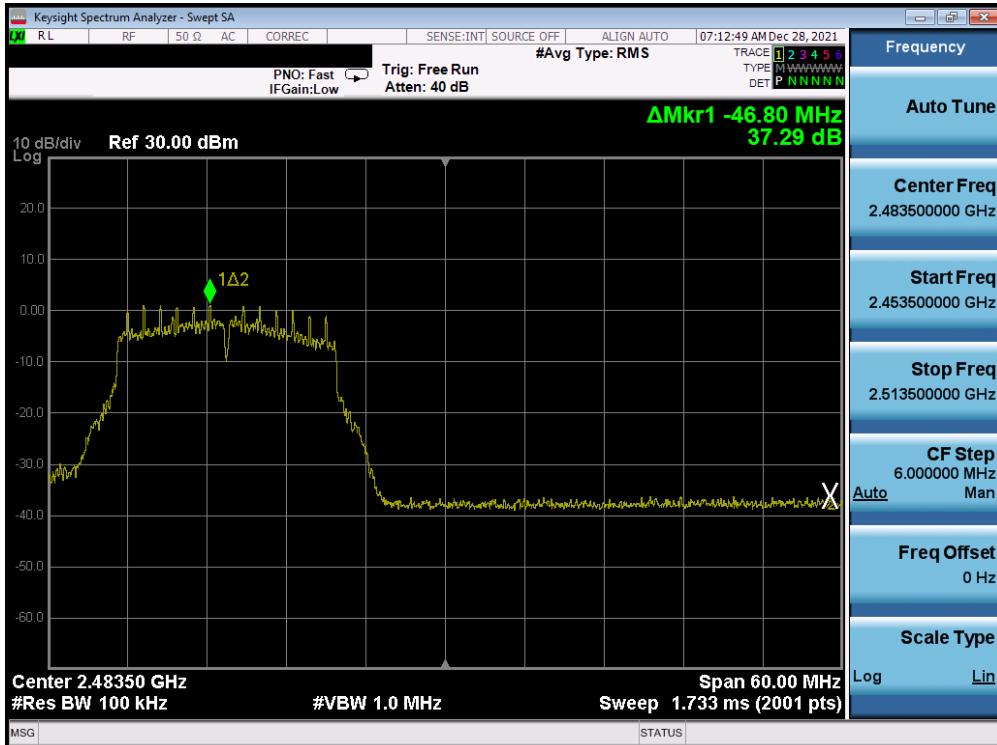


Plot 7-218. Band Edge Plot Antenna 3a (802.11g – Ch. 10) – 18Mbps

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 159 of 419

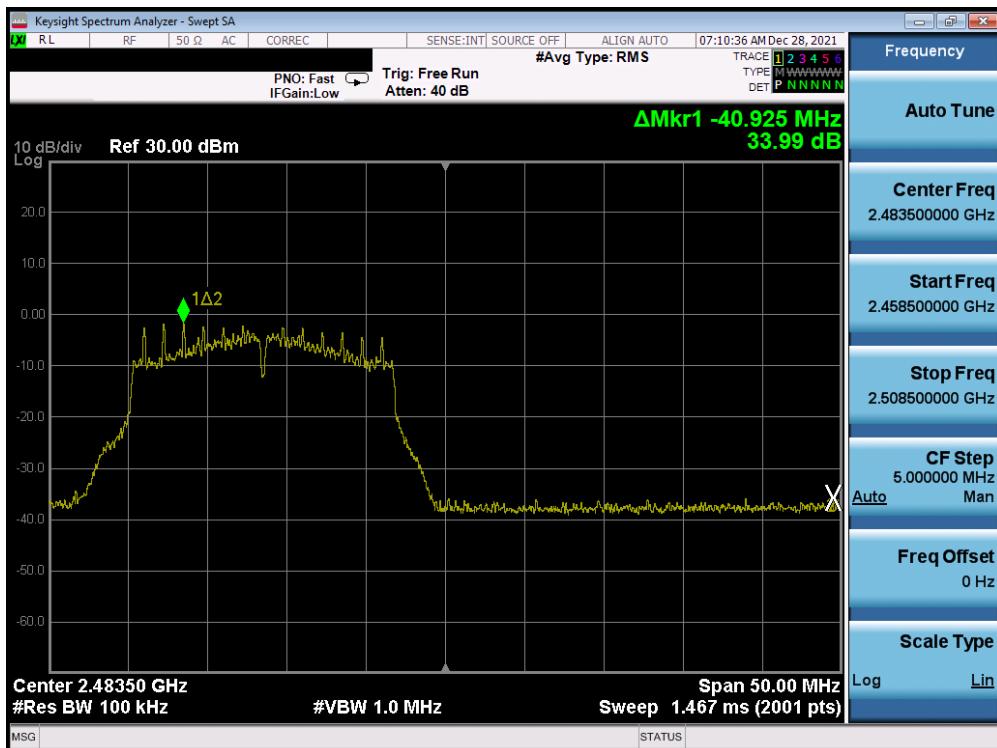


Plot 7-219. Band Edge Plot Antenna 3a (802.11g – Ch. 11) – 18Mbps

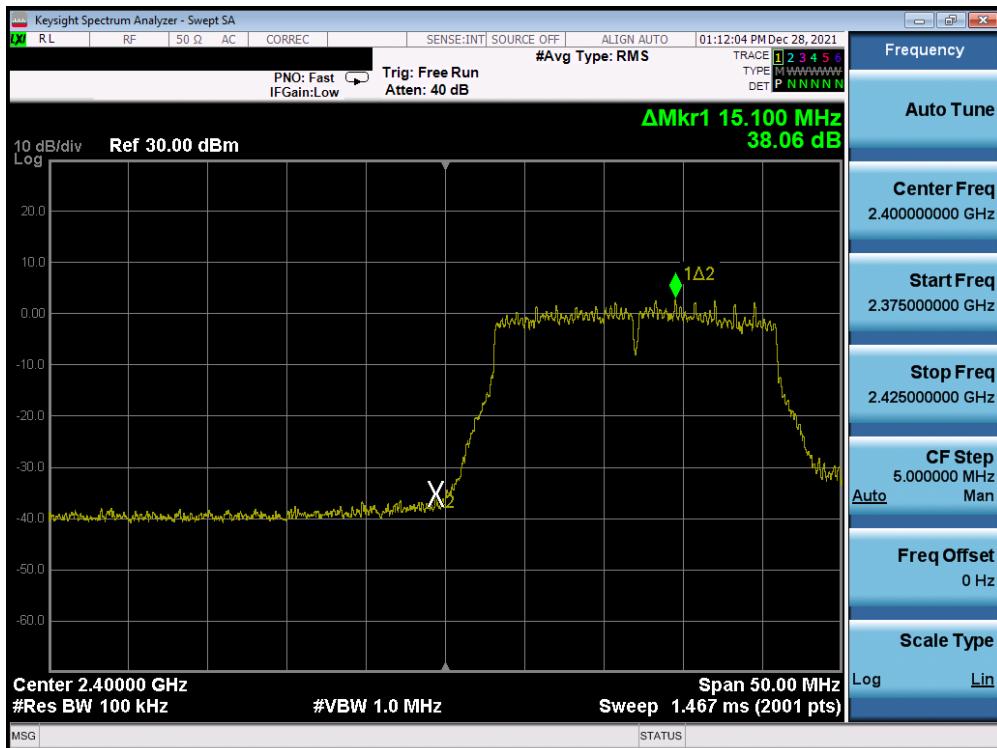


Plot 7-220. Band Edge Plot Antenna 3a (802.11g – Ch. 12) – 18Mbps

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 160 of 419

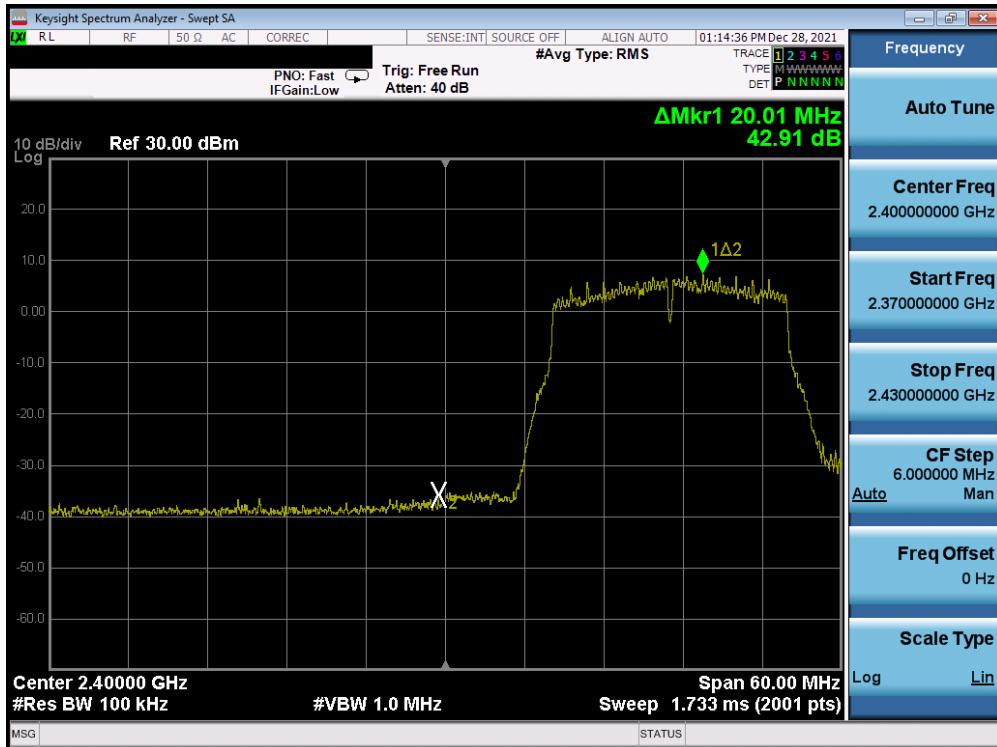


Plot 7-221. Band Edge Plot Antenna 3a (802.11g – Ch. 13) – 18Mbps

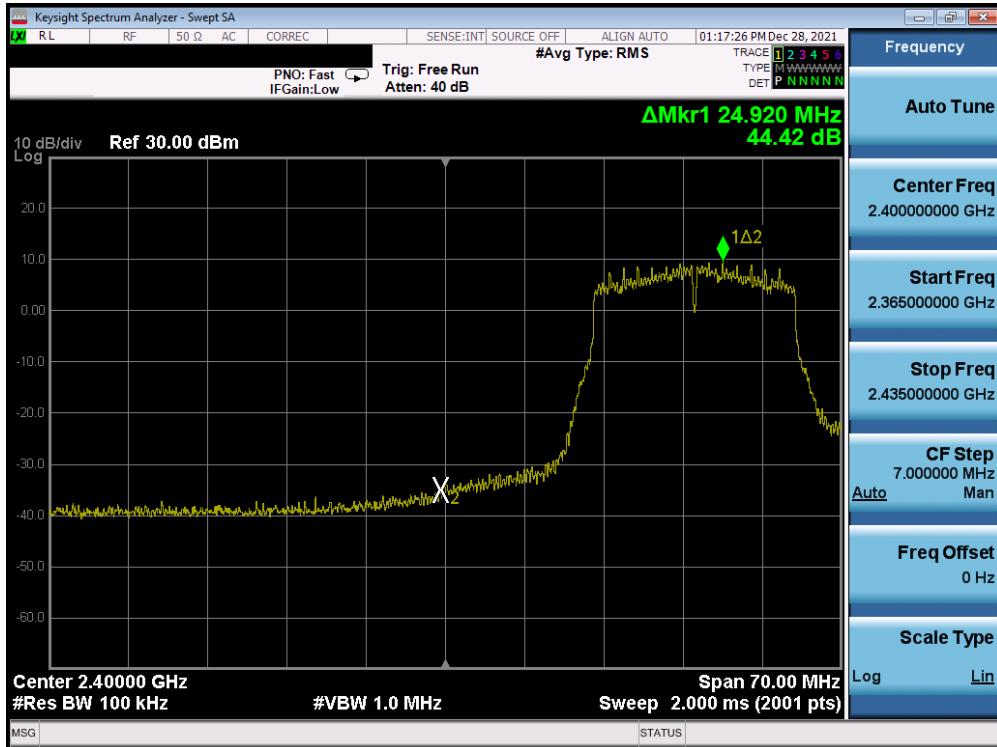


Plot 7-222. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS3

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 161 of 419

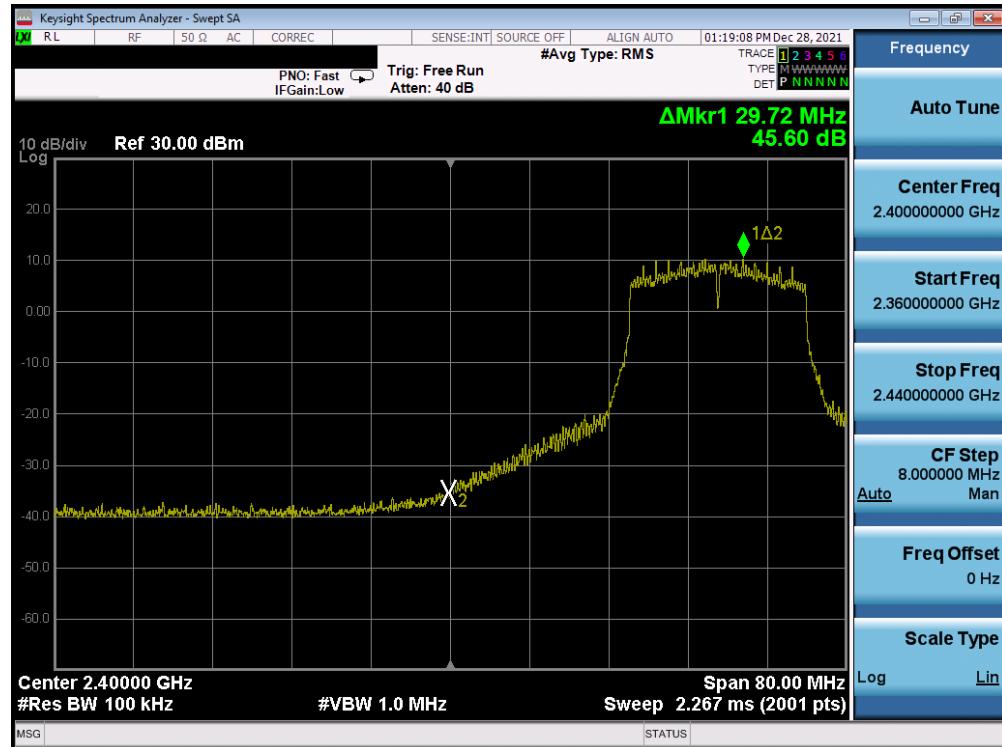


Plot 7-223. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 2) – MCS3

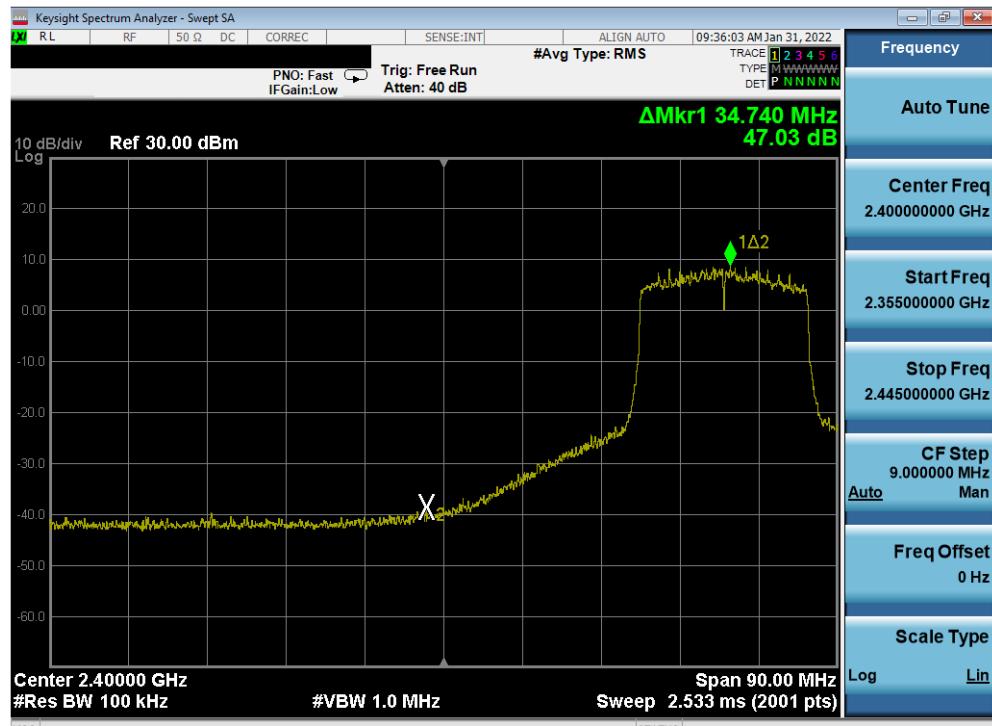


Plot 7-224. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 3) – MCS3

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 162 of 419

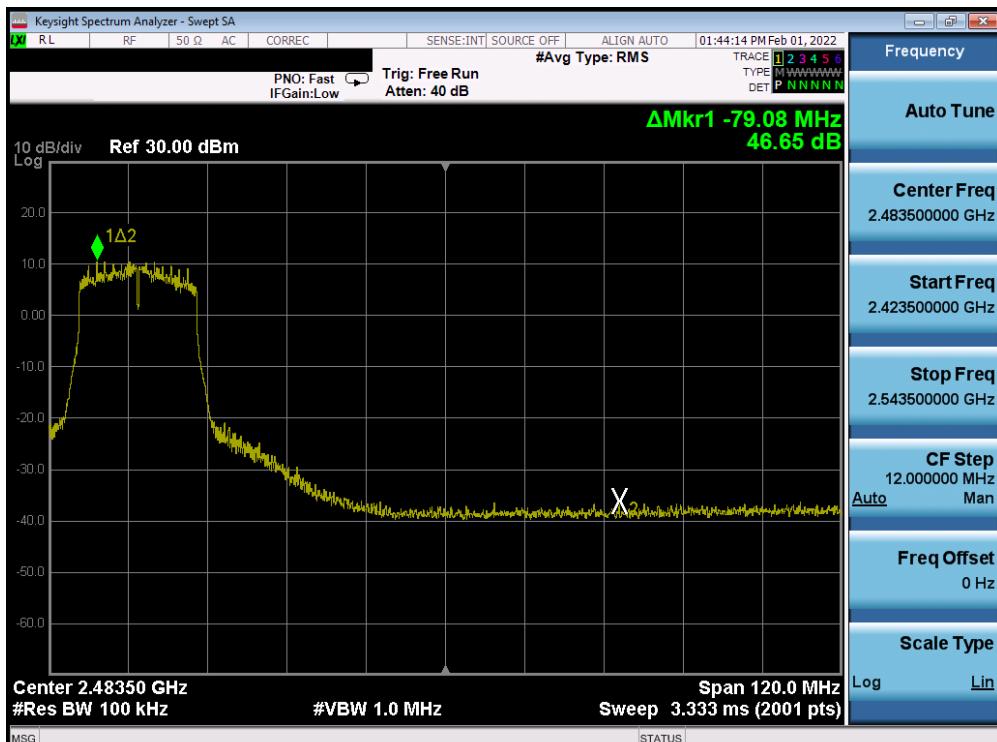


Plot 7-225. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 4) – MCS3

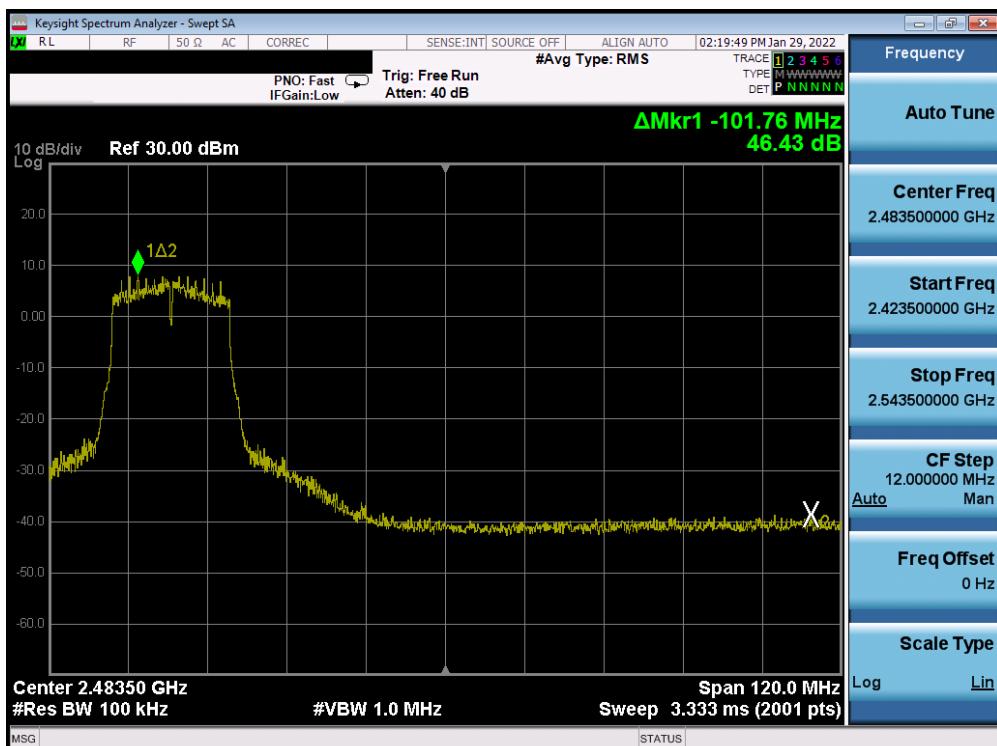


Plot 7-226. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 5) – MCS3

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 163 of 419

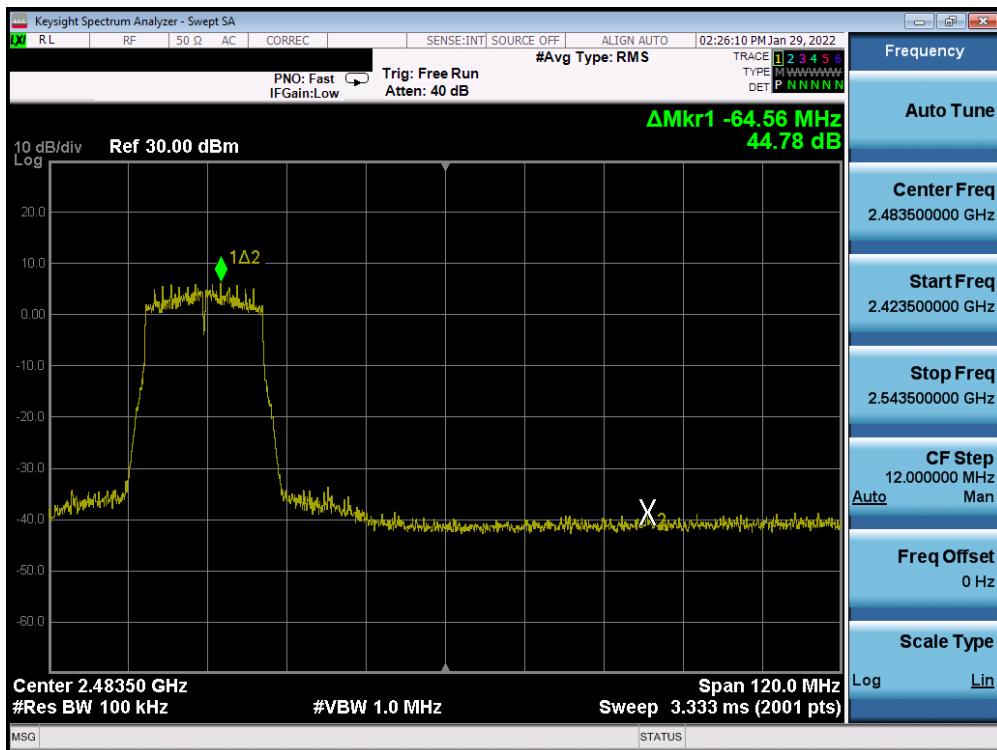


Plot 7-227. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 6 (High)) – MCS3

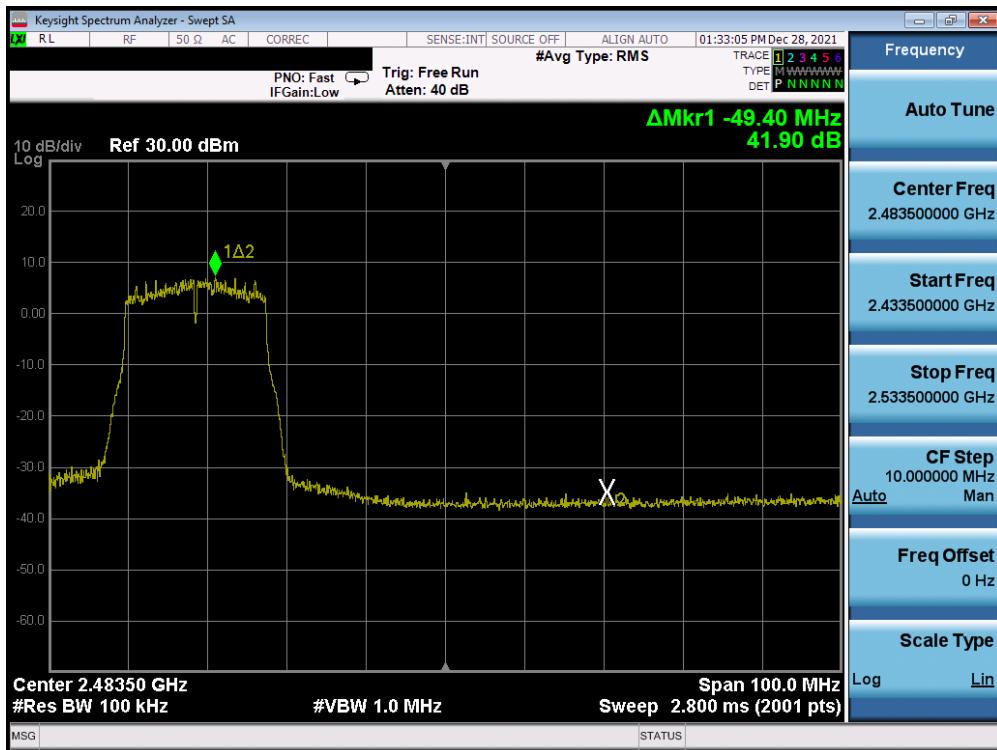


Plot 7-228. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 7) – MCS3

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 164 of 419

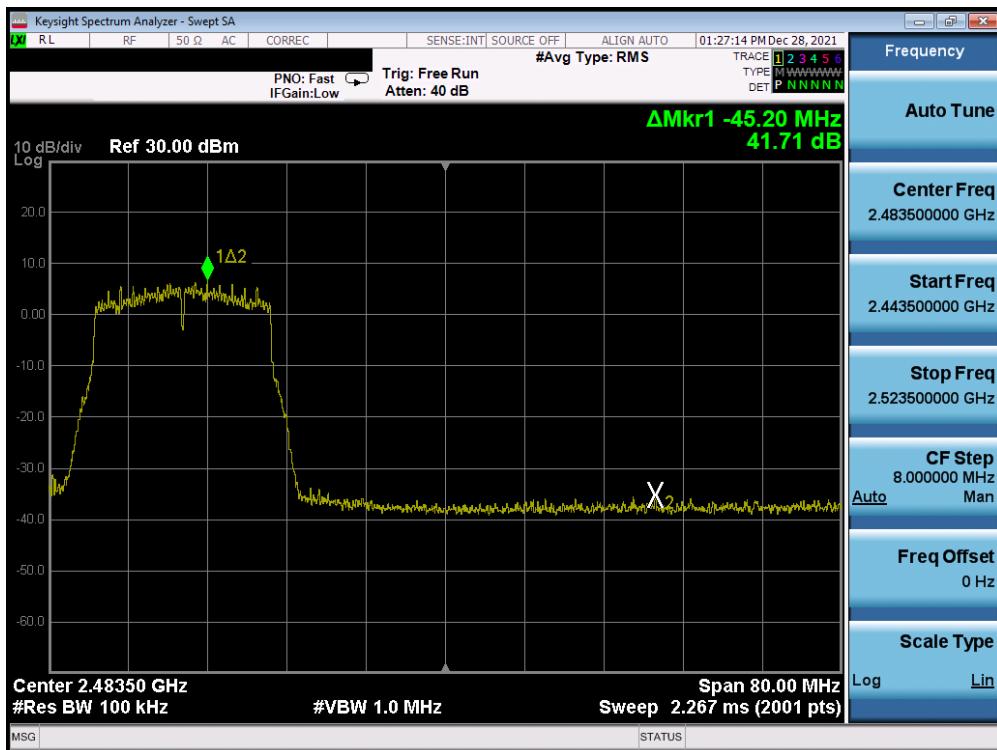


Plot 7-229. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 8) – MCS3

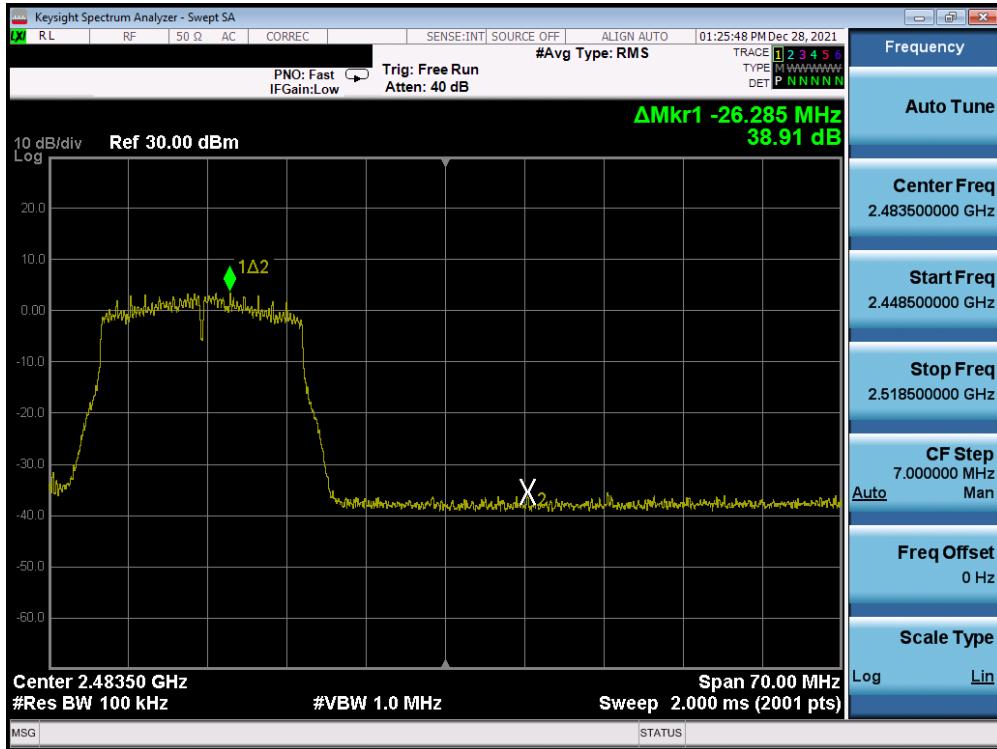


Plot 7-230. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 9) – MCS3

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 165 of 419

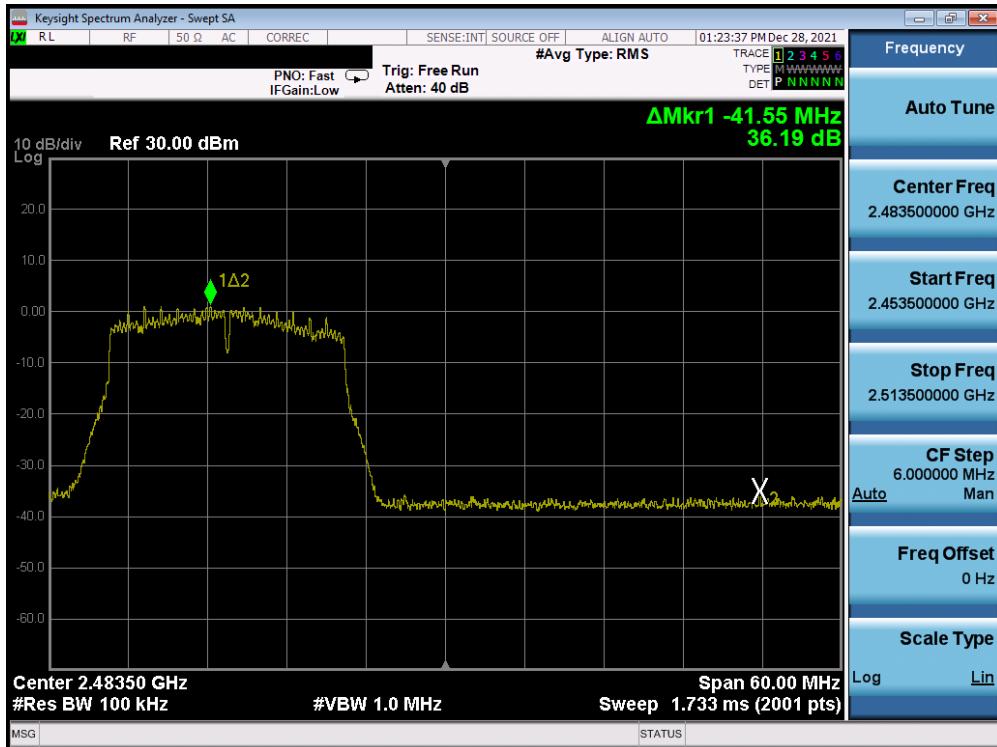


Plot 7-231. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 10) – MCS3

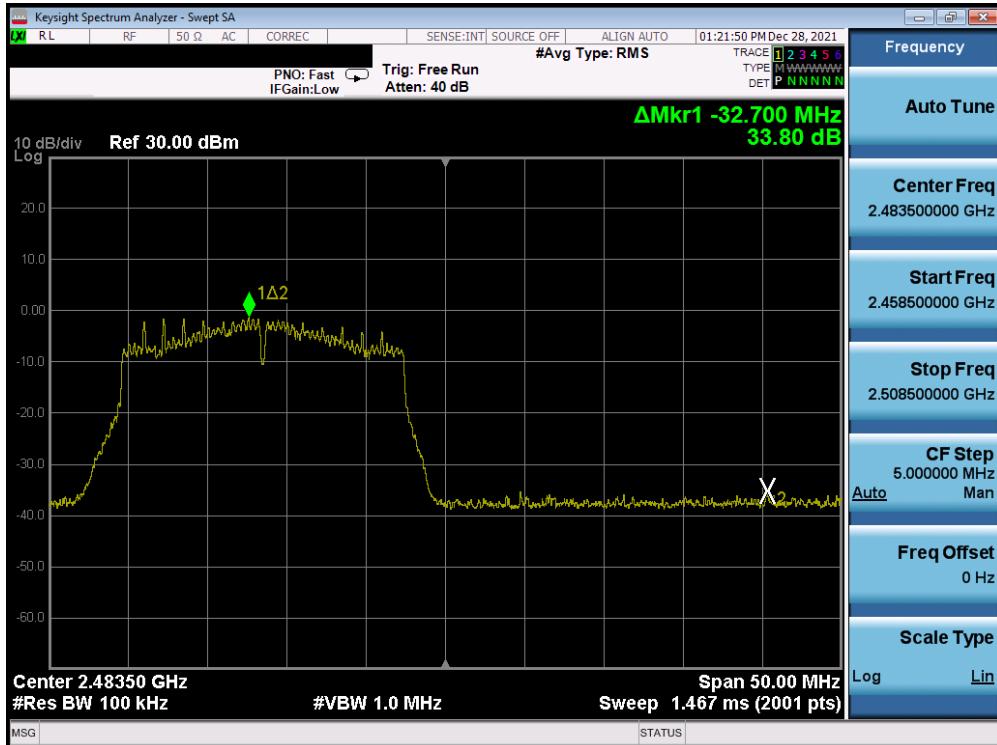


Plot 7-232. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 11) – MCS3

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 166 of 419

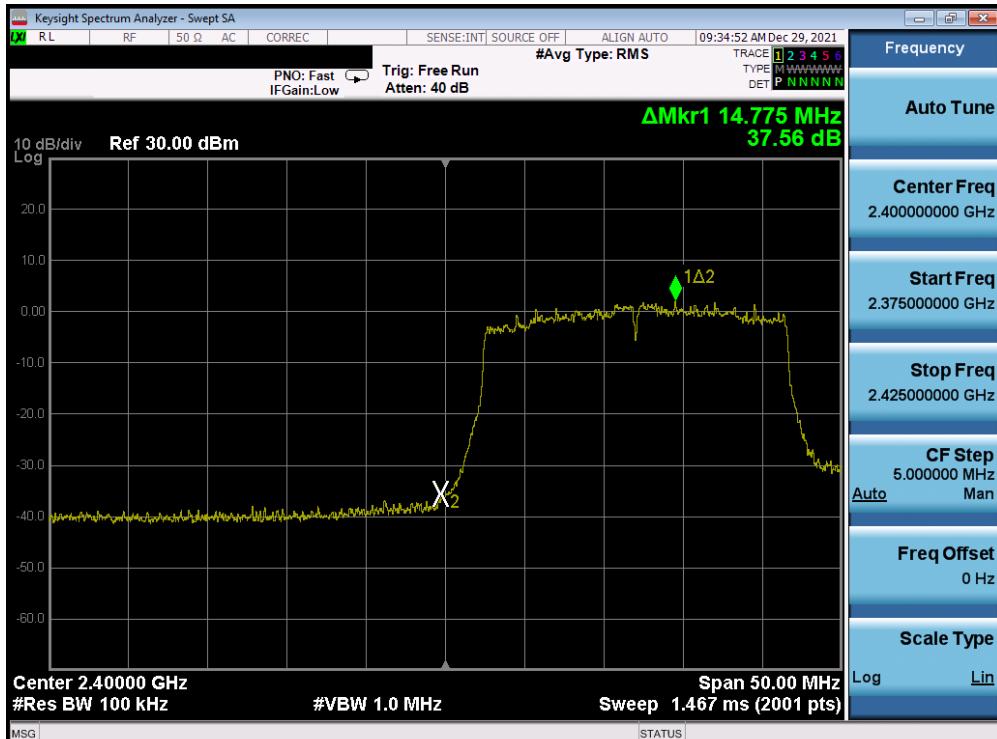


Plot 7-233. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 12) – MCS3

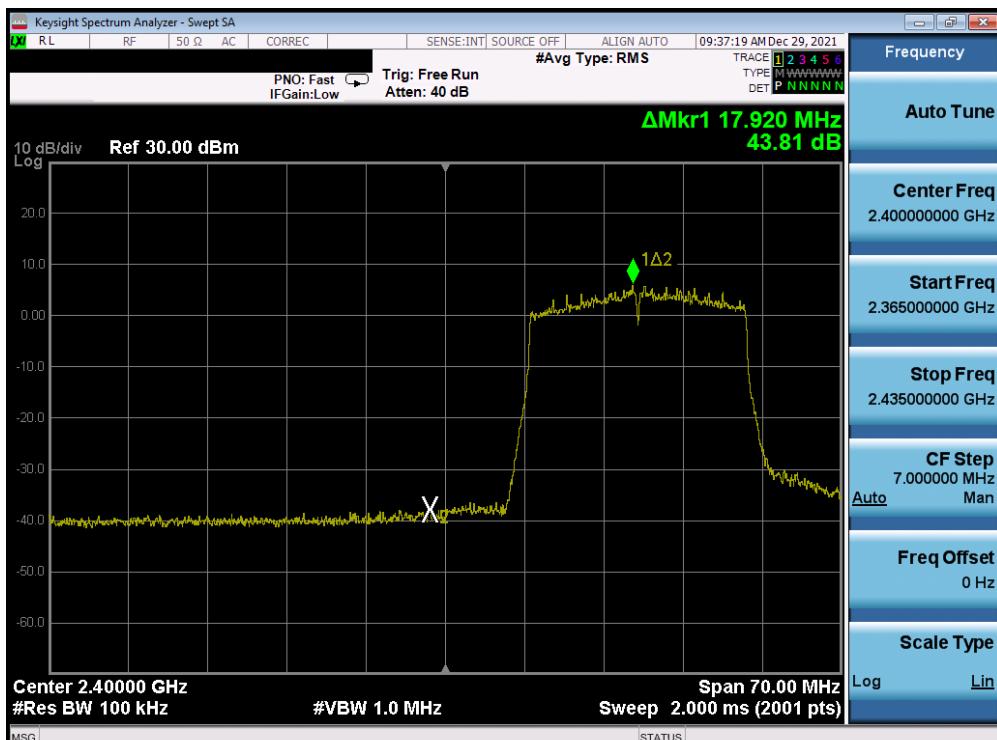


Plot 7-234. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 13) – MCS3

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 167 of 419

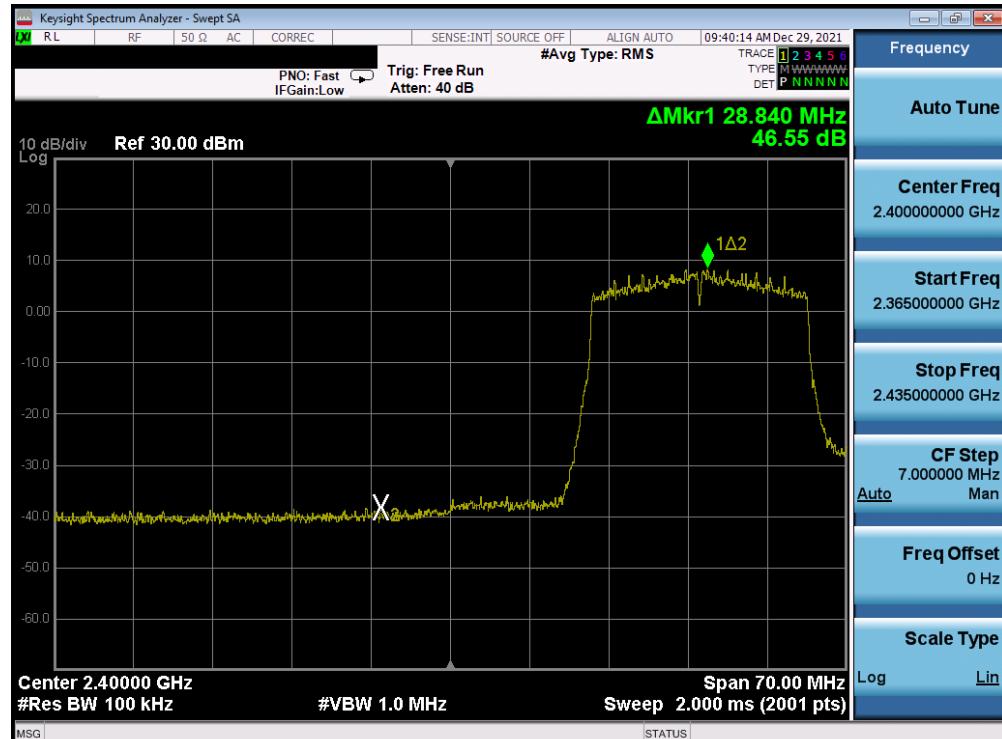


Plot 7-235. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 1) – MCS3

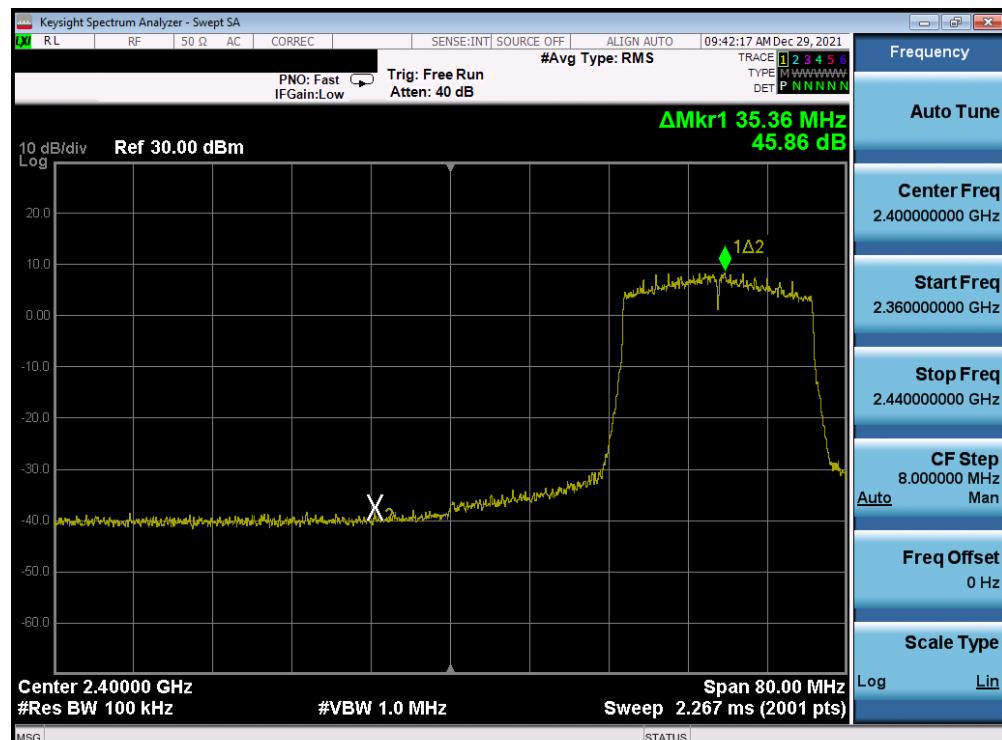


Plot 7-236. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 2) – MCS3

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 168 of 419

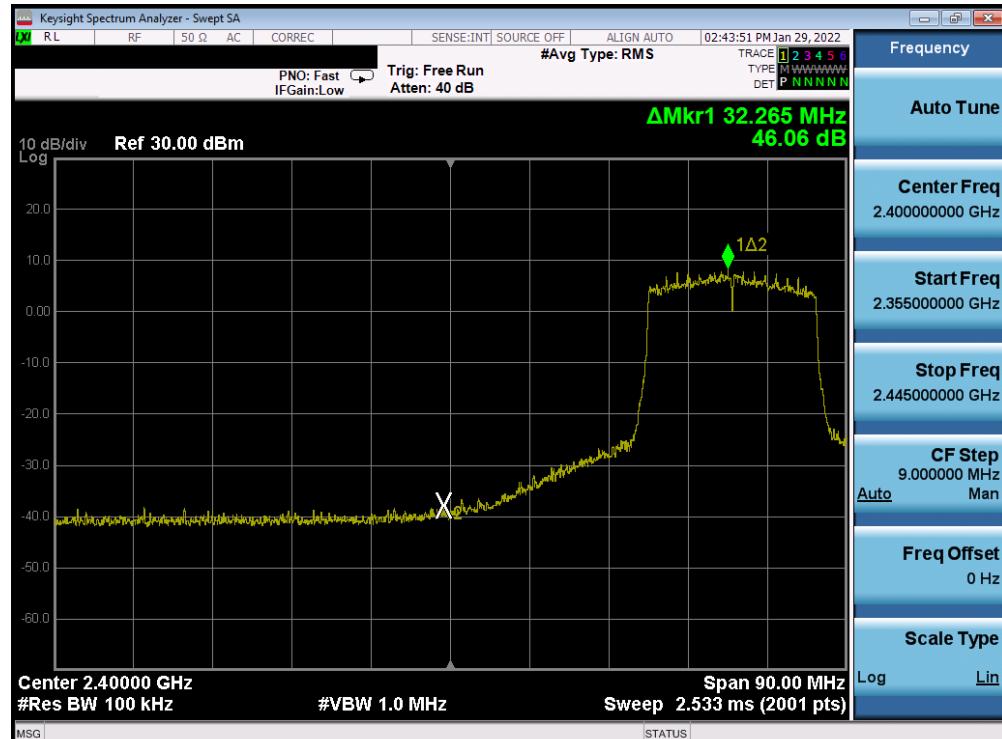


Plot 7-237. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 3) – MCS3

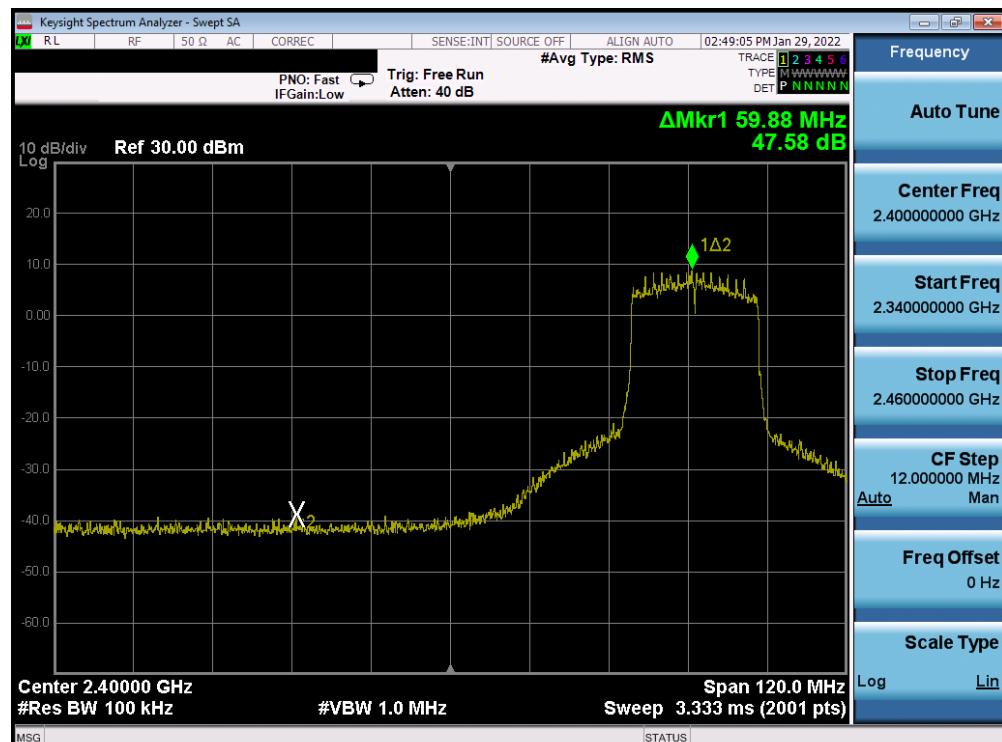


Plot 7-238. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 4) – MCS3

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 169 of 419

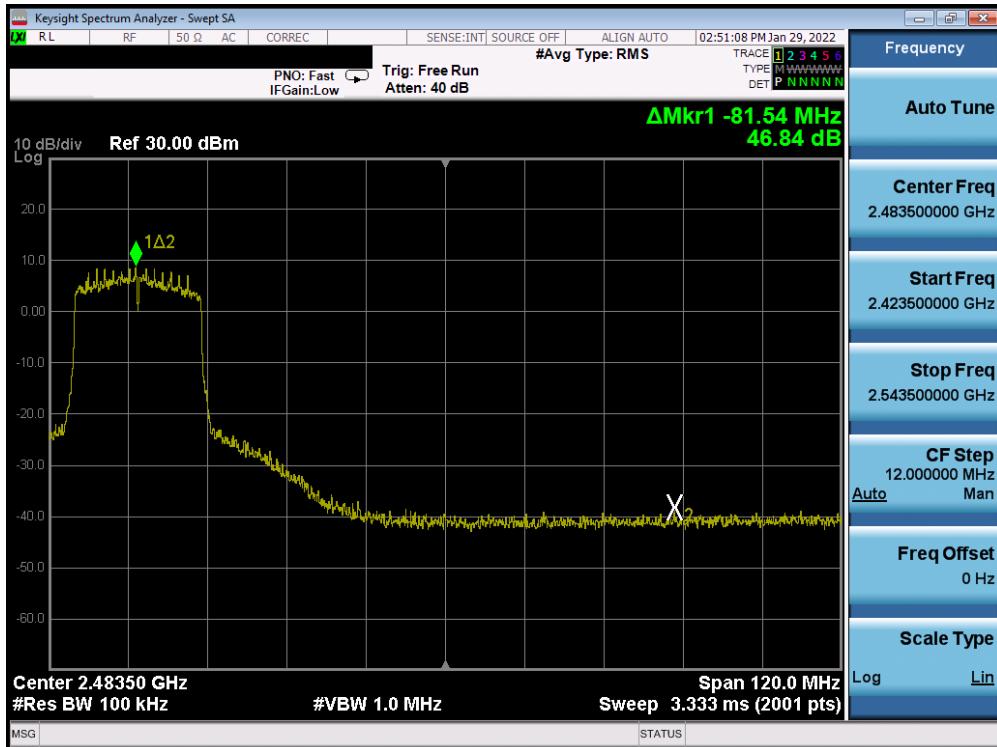


Plot 7-239. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 5) – MCS3

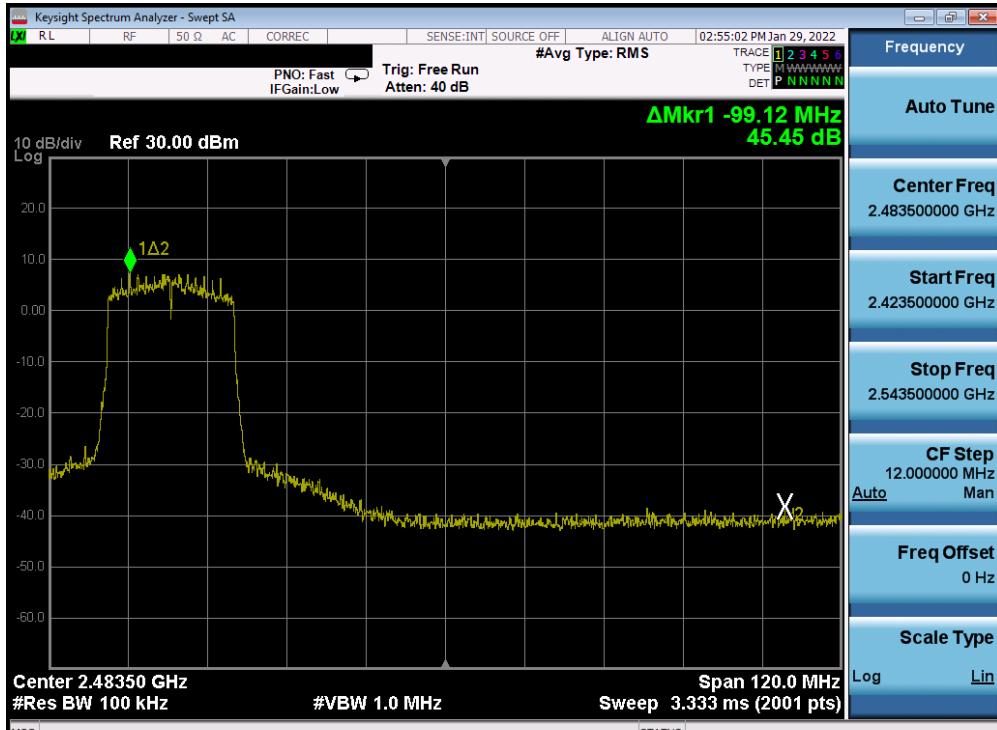


Plot 7-240. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6(Low)) – MCS3

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 170 of 419

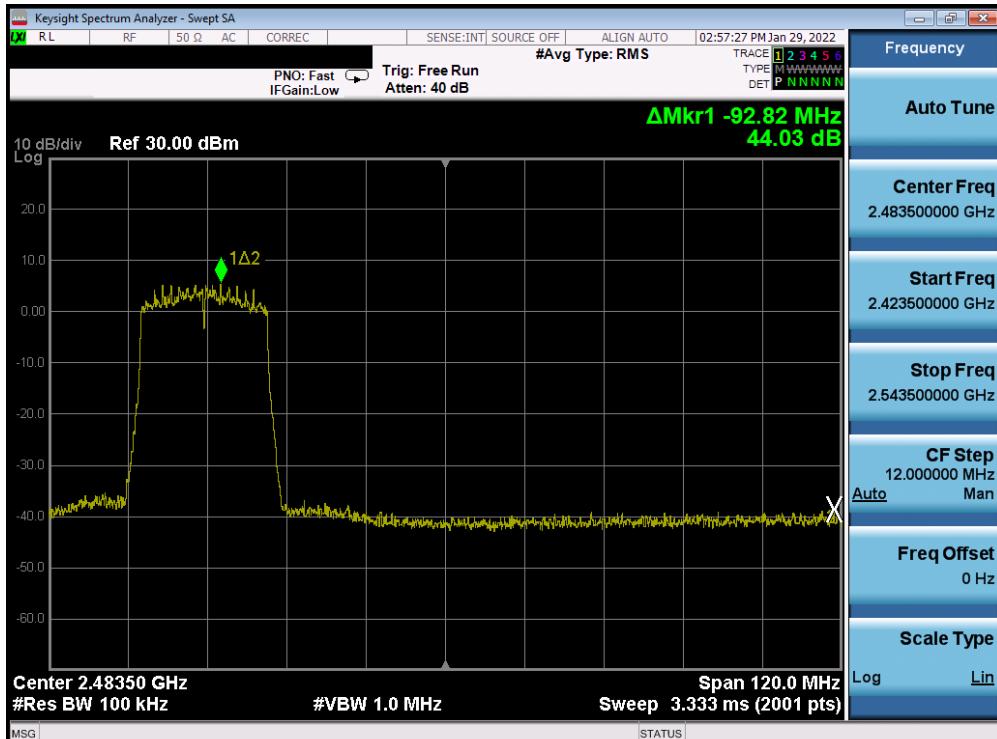


Plot 7-241. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 6(High)) – MCS3

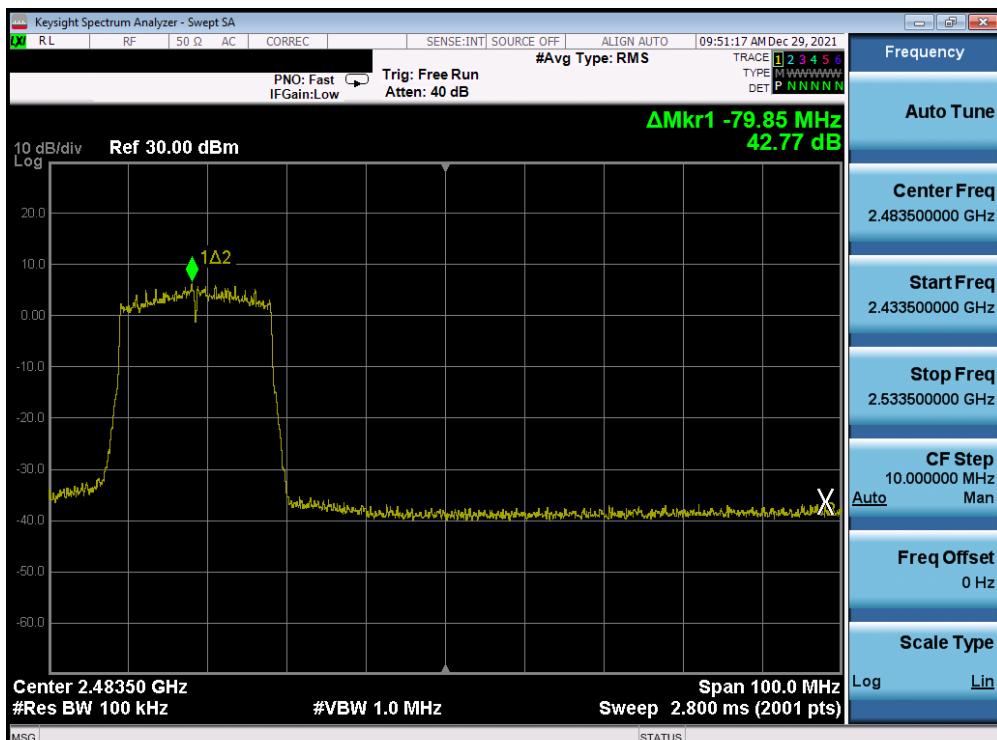


Plot 7-242. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 7) – MCS3

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 171 of 419

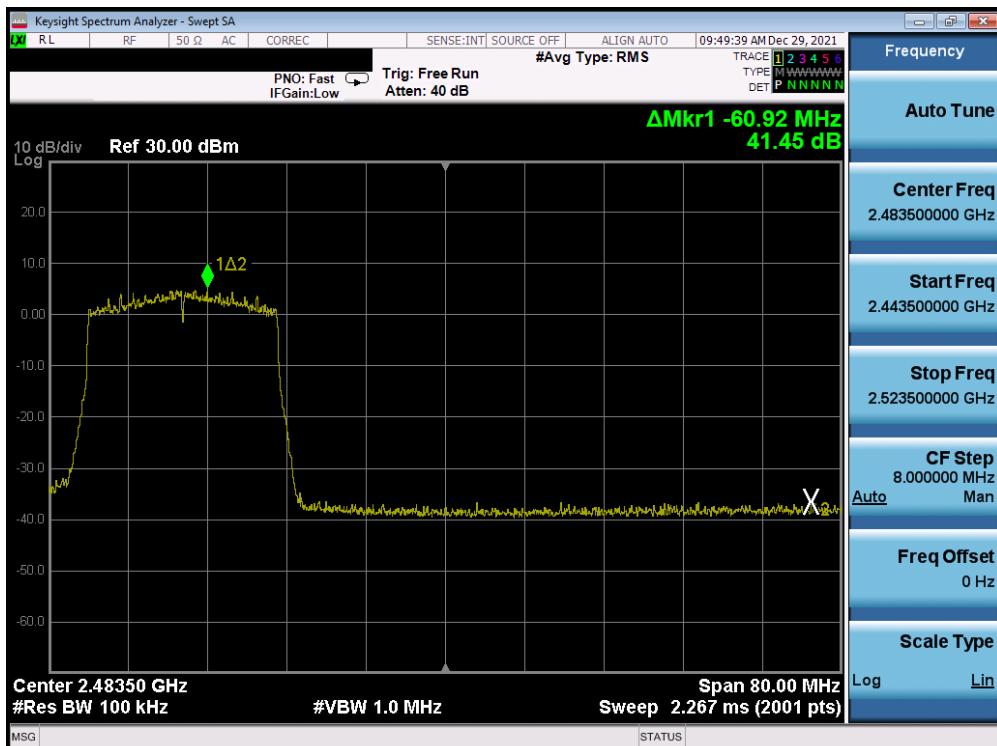


Plot 7-243. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 8) – MCS3

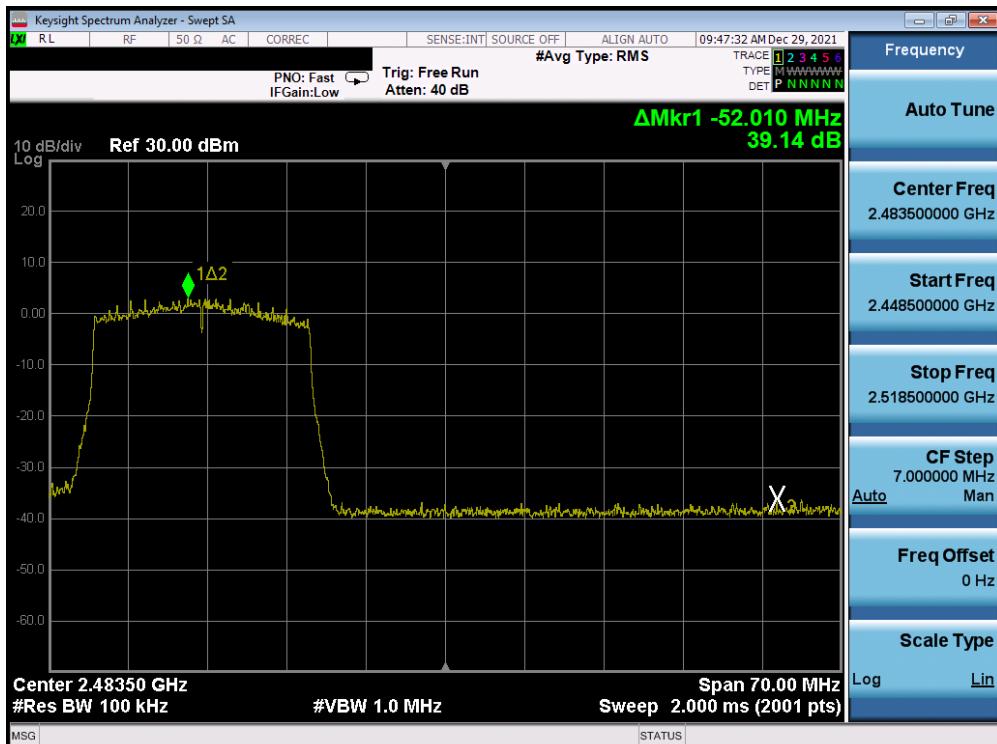


Plot 7-244. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 9) – MCS3

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 172 of 419

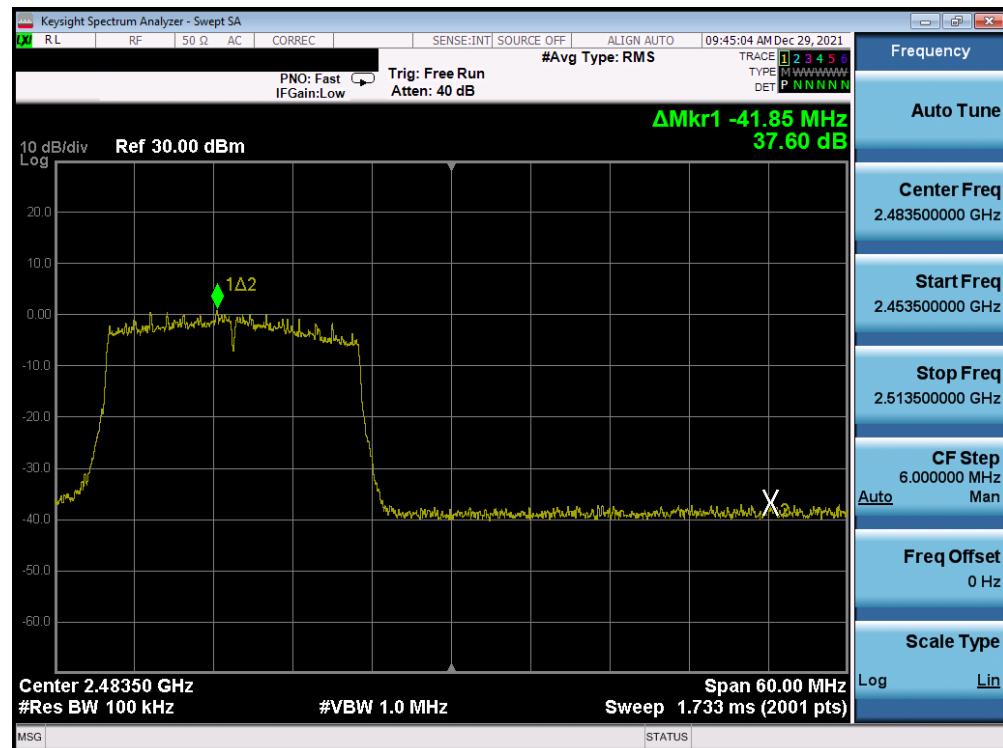


Plot 7-245. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 10) – MCS3



Plot 7-246. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 11) – MCS3

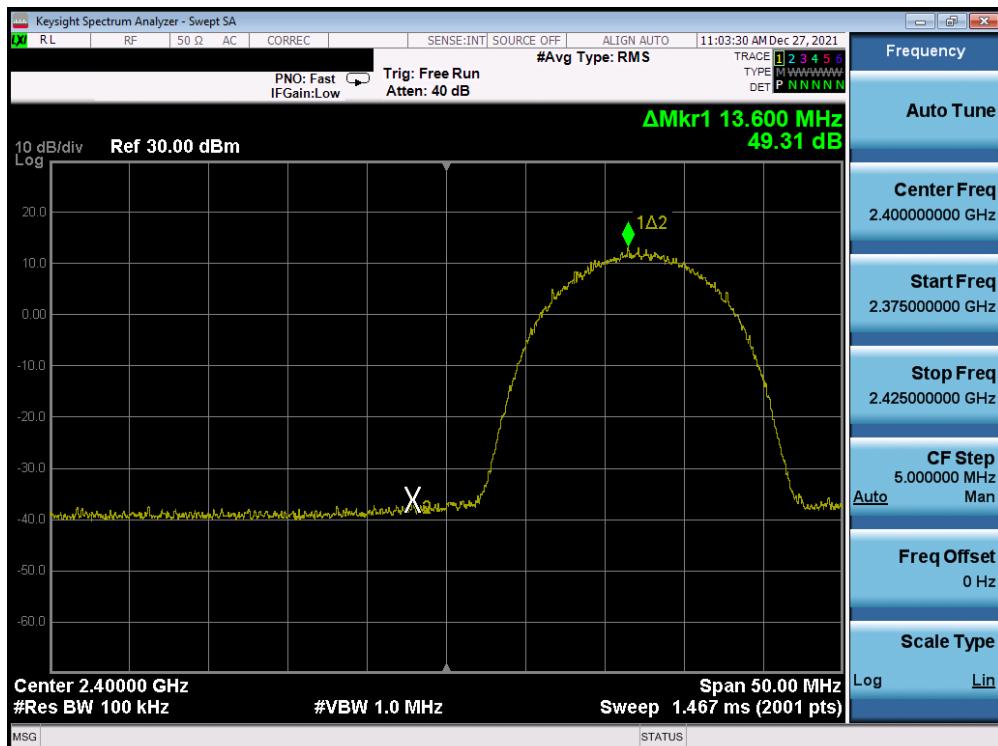
FCC ID: BCGA2589 IC: 579C-A2589	PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-08.BCG	Test Dates: 12/02/2021 - 02/02/2022	EUT Type: Tablet Device	Page 173 of 419



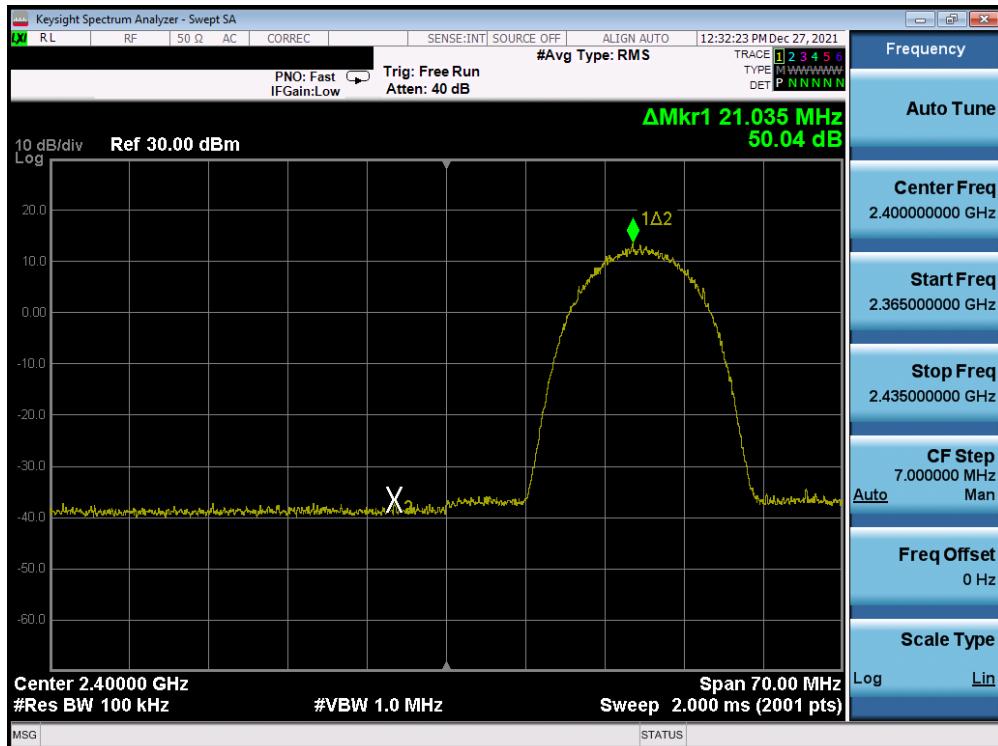
Plot 7-247. Band Edge Plot Antenna 3a (802.11ax (SU - 2.4GHz) – Ch. 12) – MCS3

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 174 of 419

High Data Rate

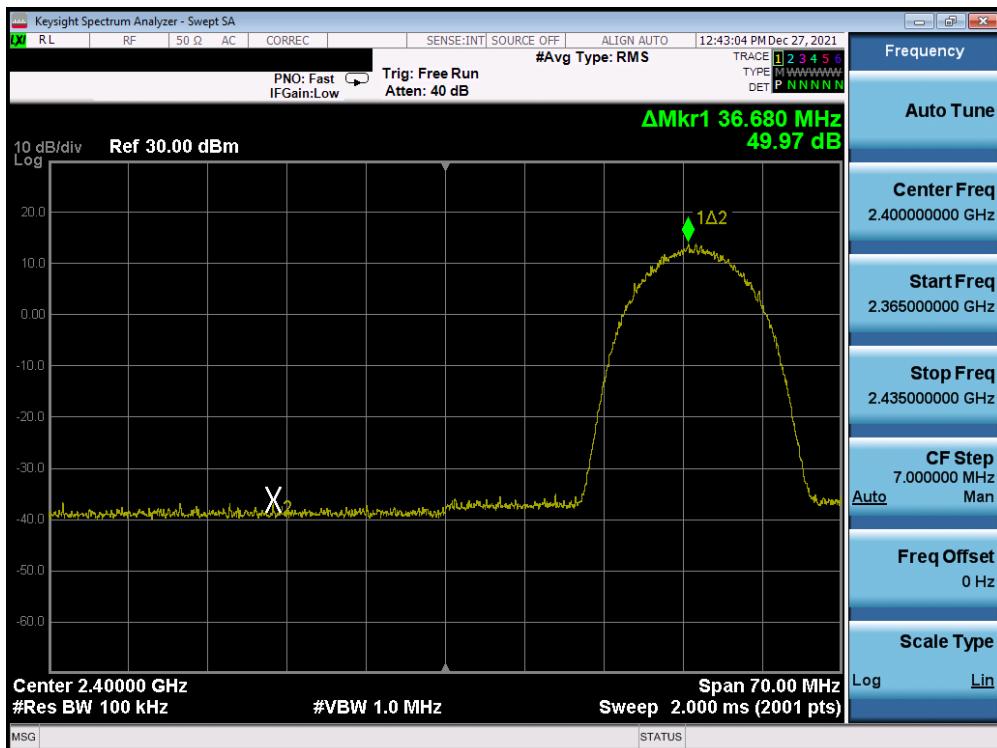


Plot 7-248. Band Edge Plot Antenna 3a (802.11b – Ch. 1) – 11Mbps

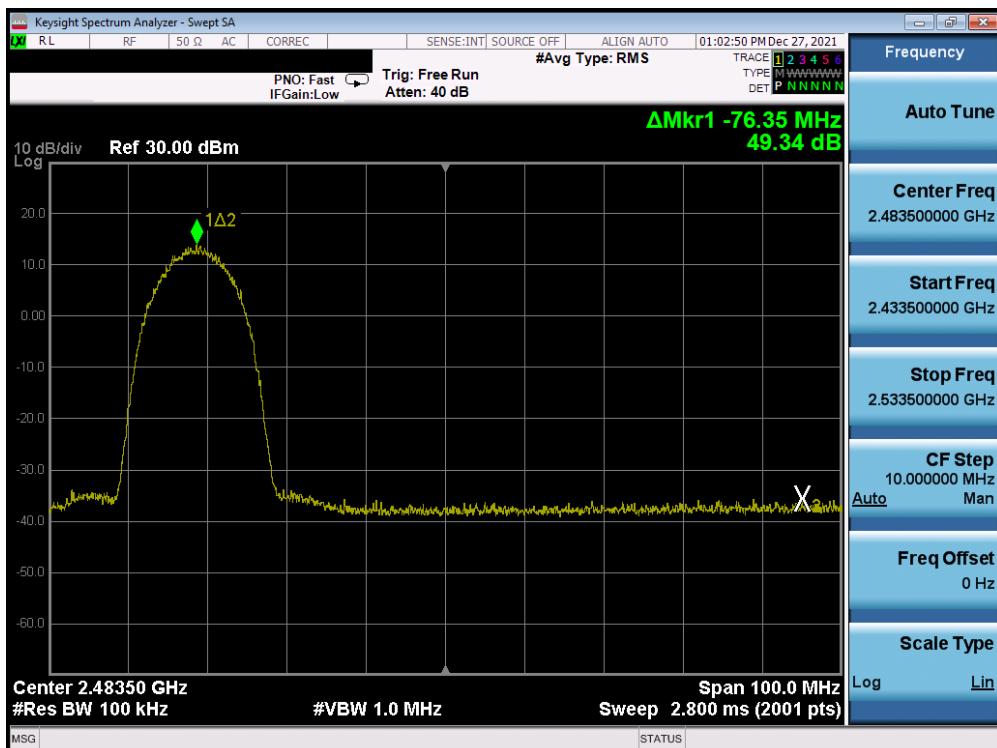


Plot 7-249. Band Edge Plot Antenna 3a (802.11b – Ch. 2) – 11Mbps

FCC ID: BCGA2589 IC: 579C-A2589	 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 175 of 419

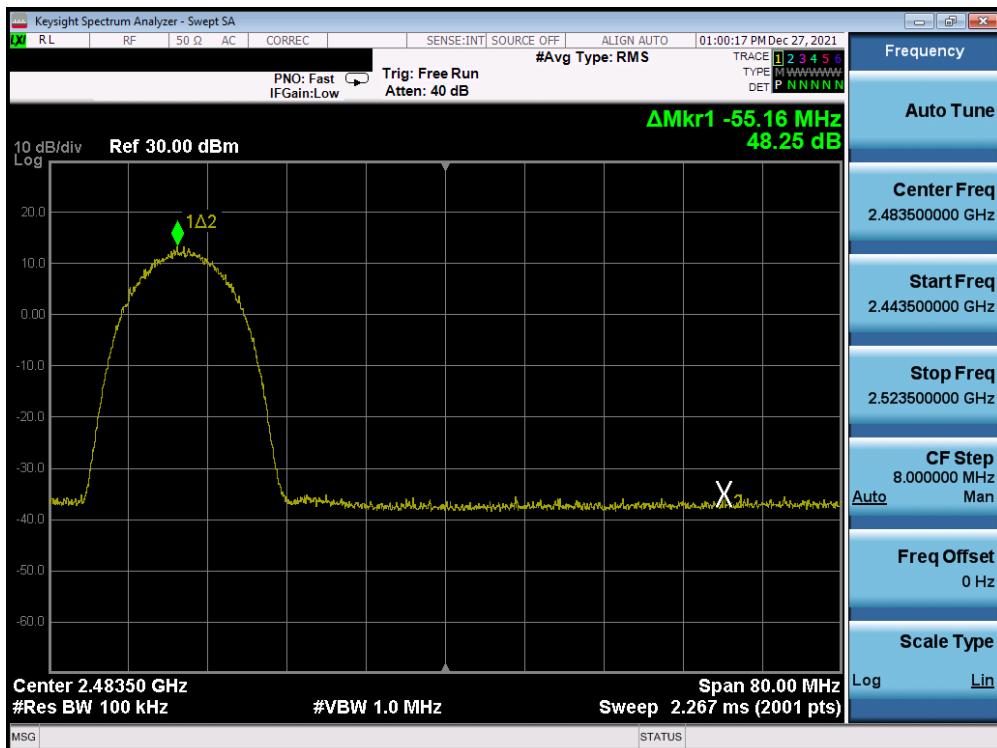


Plot 7-250. Band Edge Plot Antenna 3a (802.11b – Ch. 3) – 11Mbps

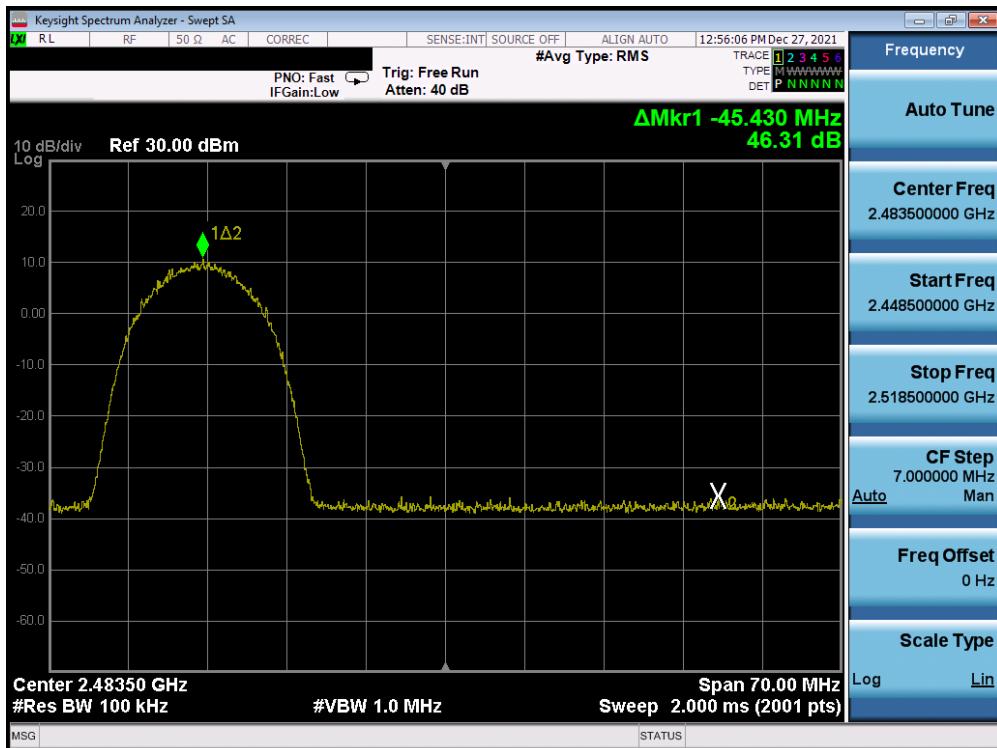


Plot 7-251. Band Edge Plot Antenna 3a (802.11b – Ch. 9) – 11Mbps

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 176 of 419

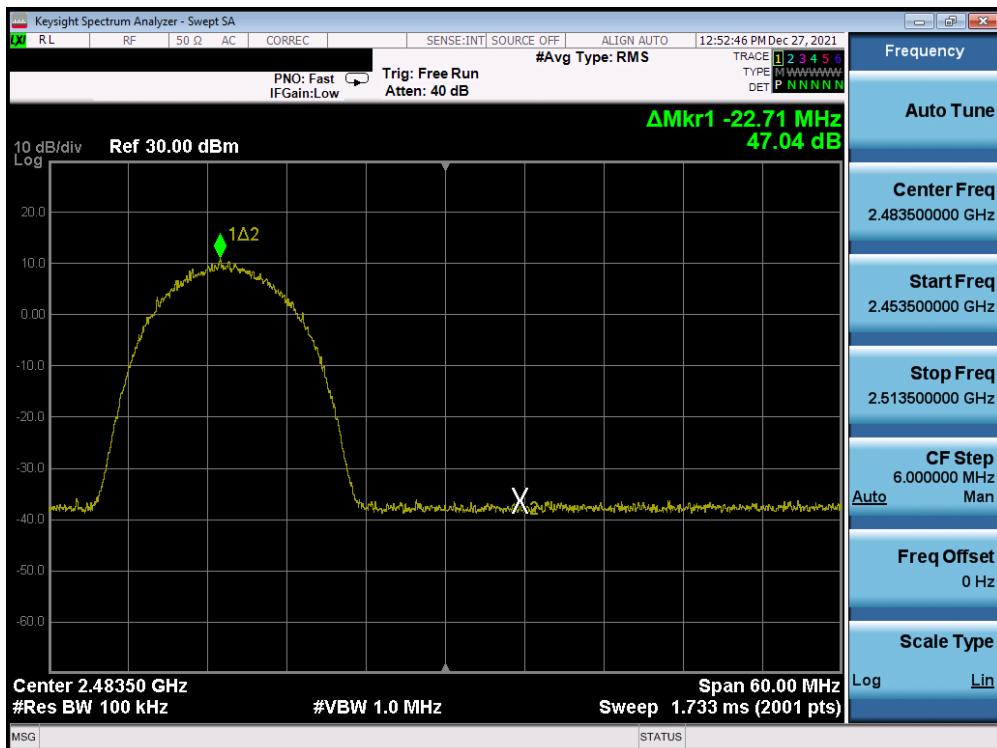


Plot 7-252. Band Edge Plot Antenna 3a (802.11b – Ch. 10) – 11Mbps

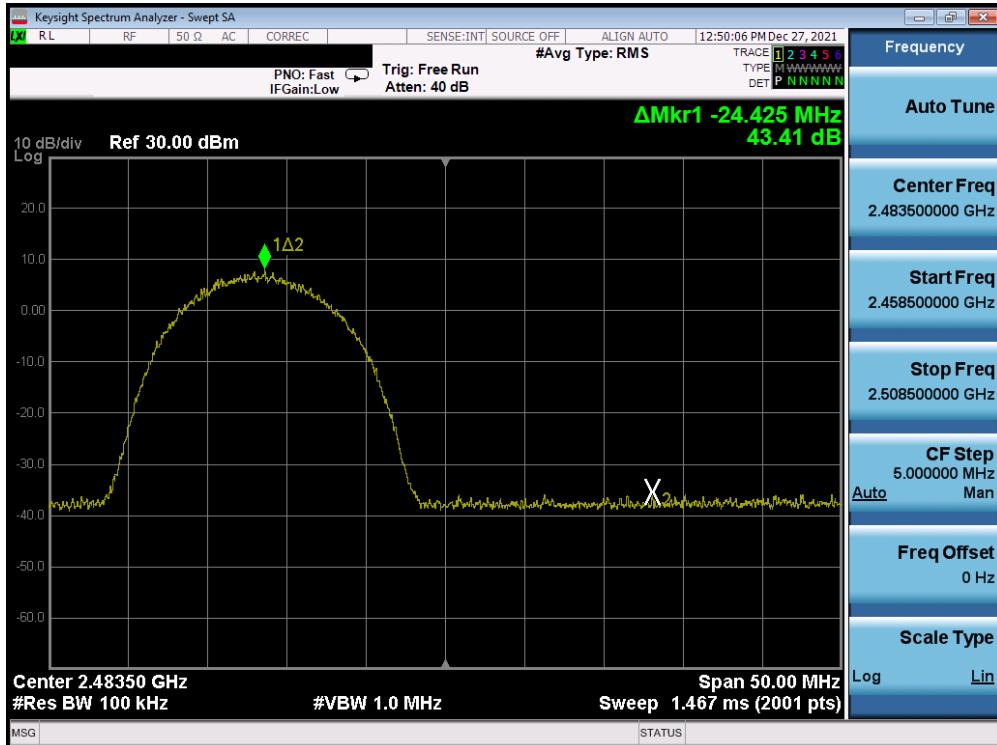


Plot 7-253. Band Edge Plot Antenna 3a (802.11b – Ch. 11) – 11Mbps

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 177 of 419

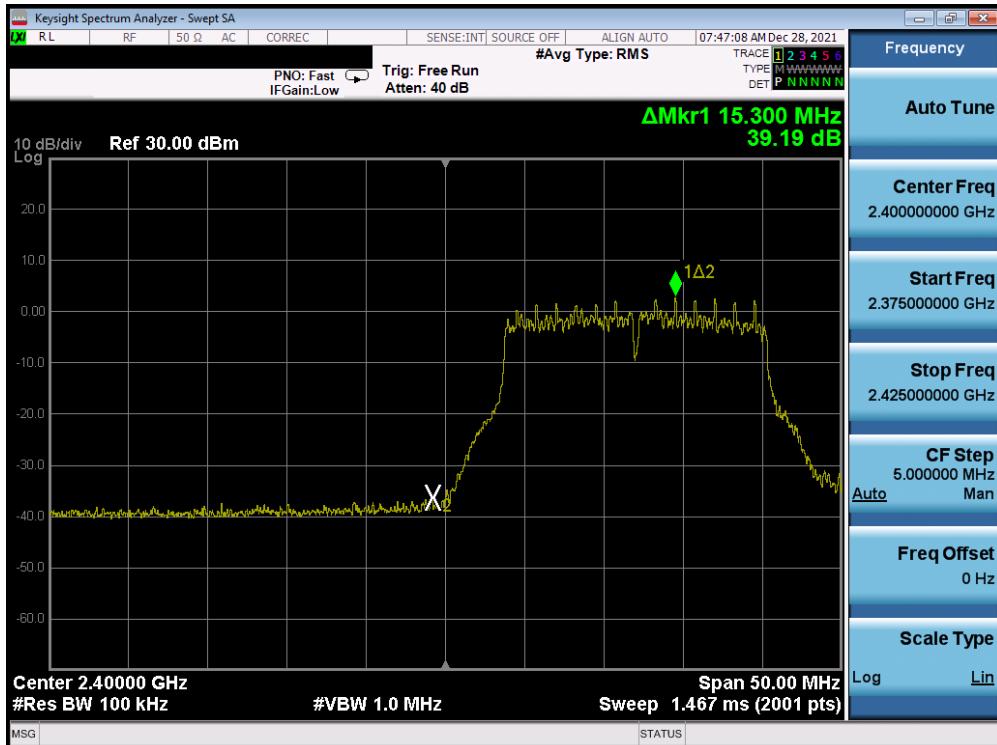


Plot 7-254. Band Edge Plot Antenna 3a (802.11b – Ch. 12) – 11Mbps

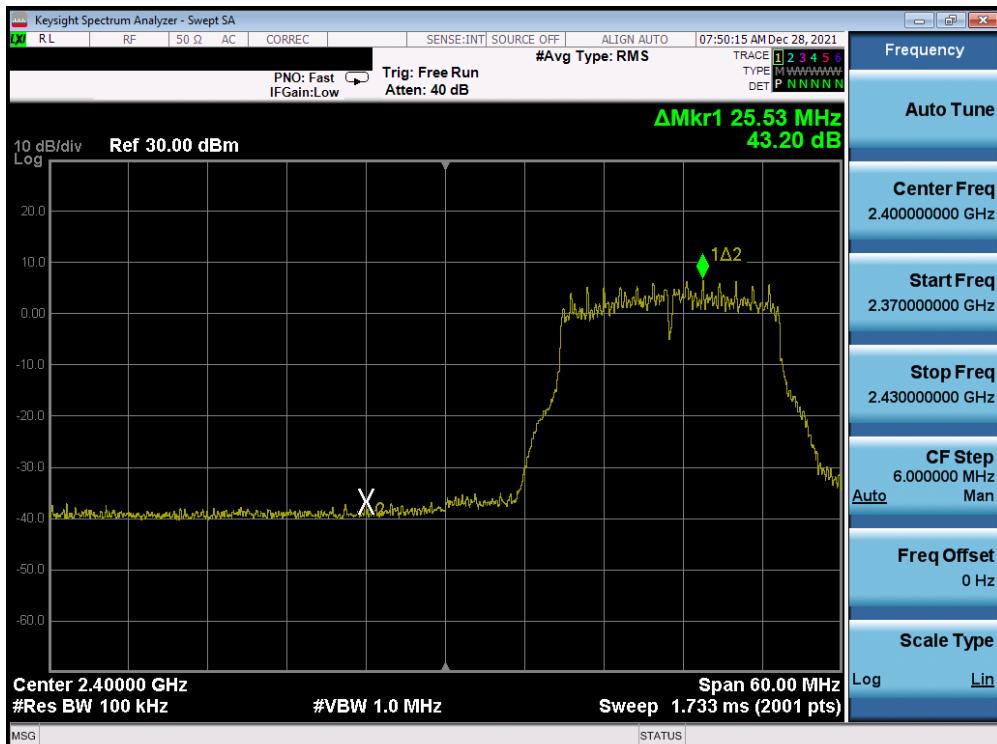


Plot 7-255. Band Edge Plot Antenna 3a (802.11b – Ch. 13) – 11Mbps

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 178 of 419

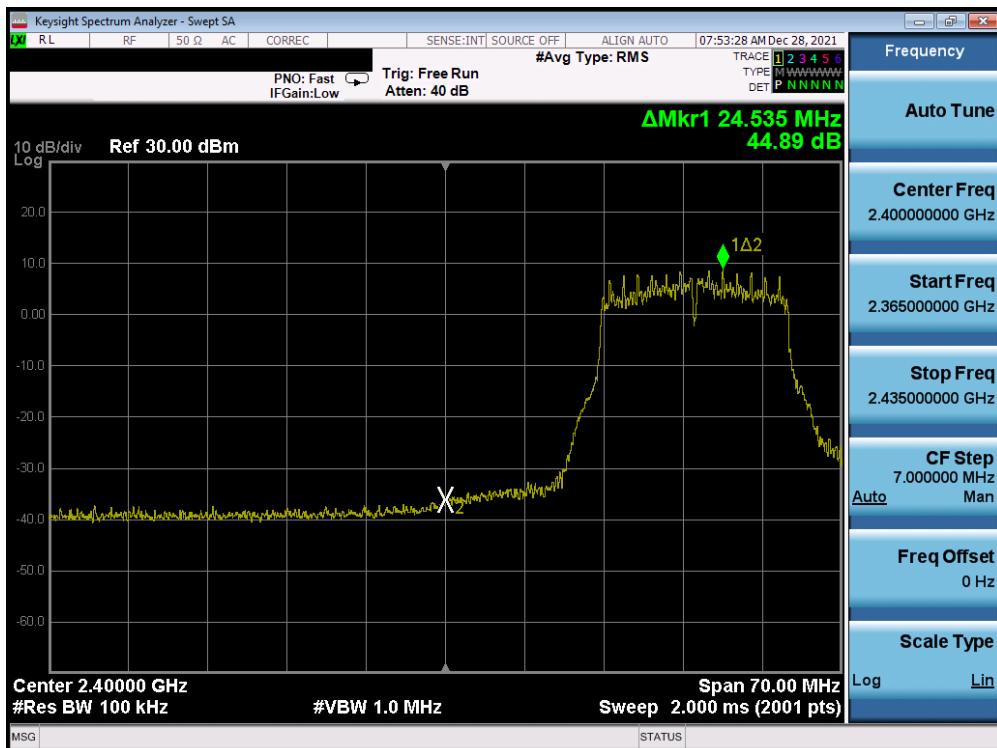


Plot 7-256. Band Edge Plot Antenna 3a (802.11g– Ch. 1) – 36Mbps

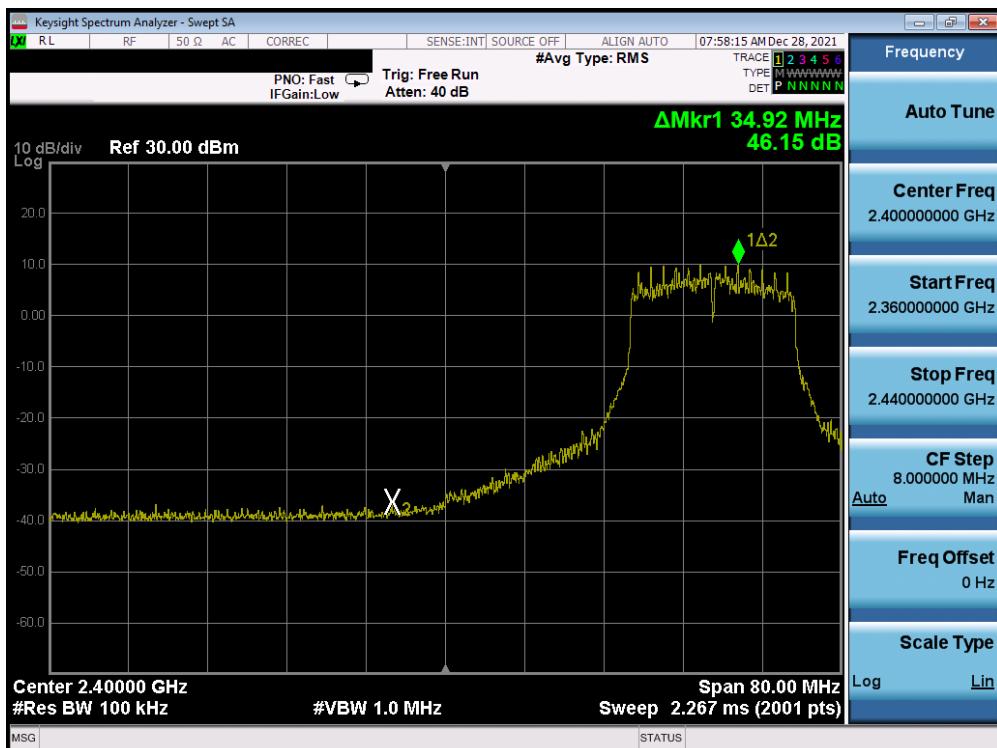


Plot 7-257. Band Edge Plot Antenna 3a (802.11g– Ch. 2) – 36Mbps

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 179 of 419

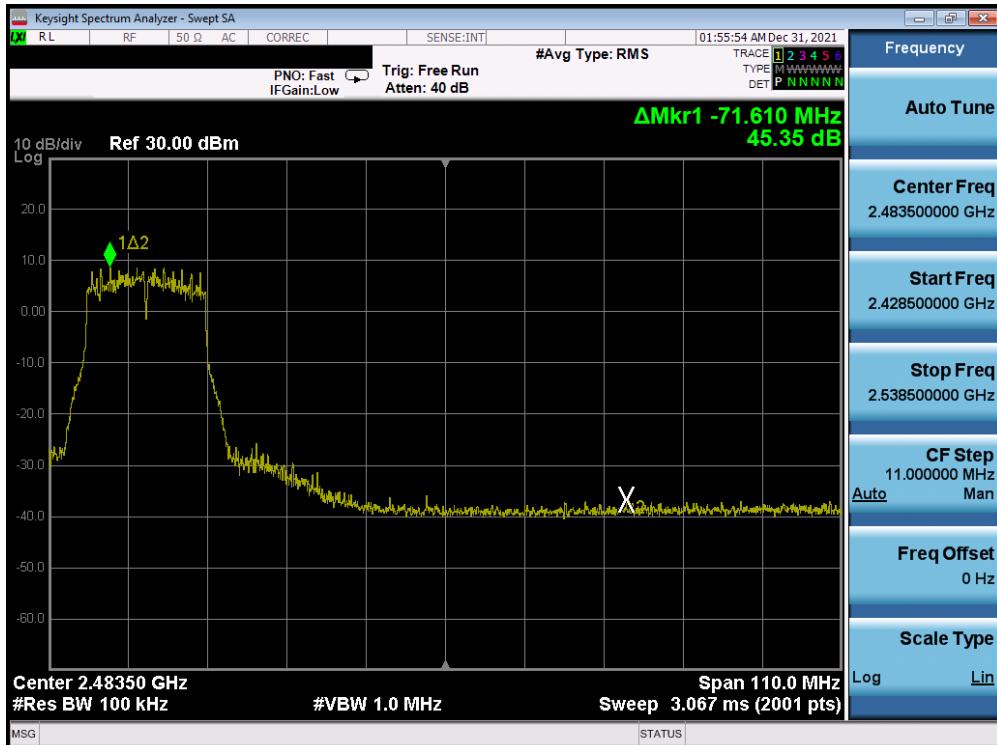


Plot 7-258. Band Edge Plot Antenna 3a (802.11g– Ch. 3) – 36Mbps

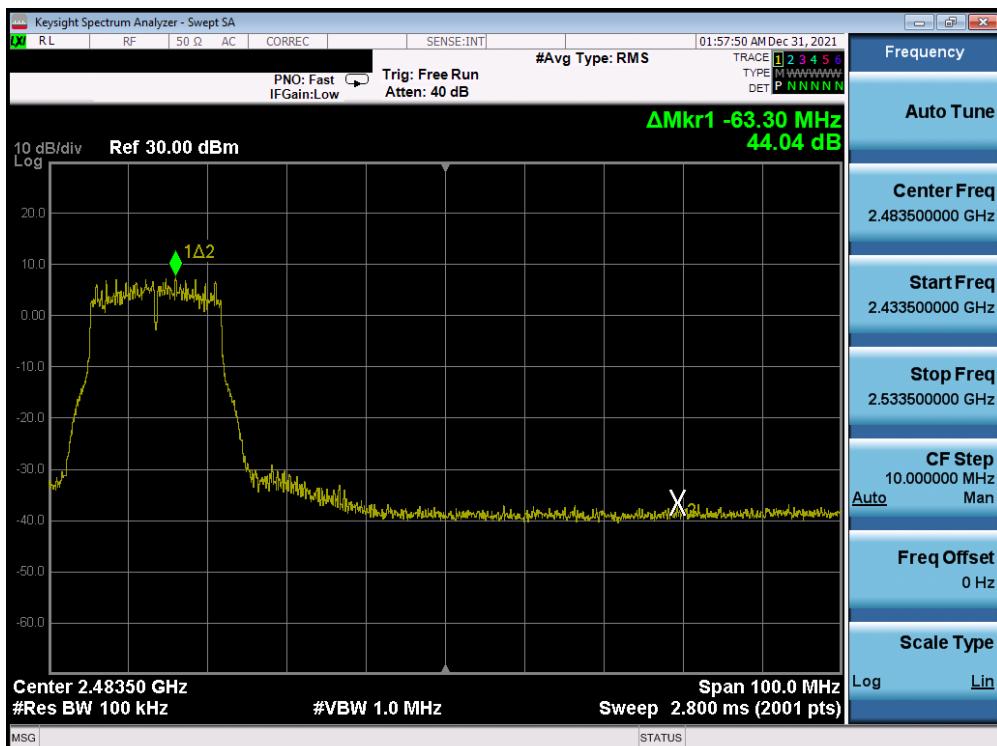


Plot 7-259. Band Edge Plot Antenna 3a (802.11g– Ch. 4) – 36Mbps

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 180 of 419

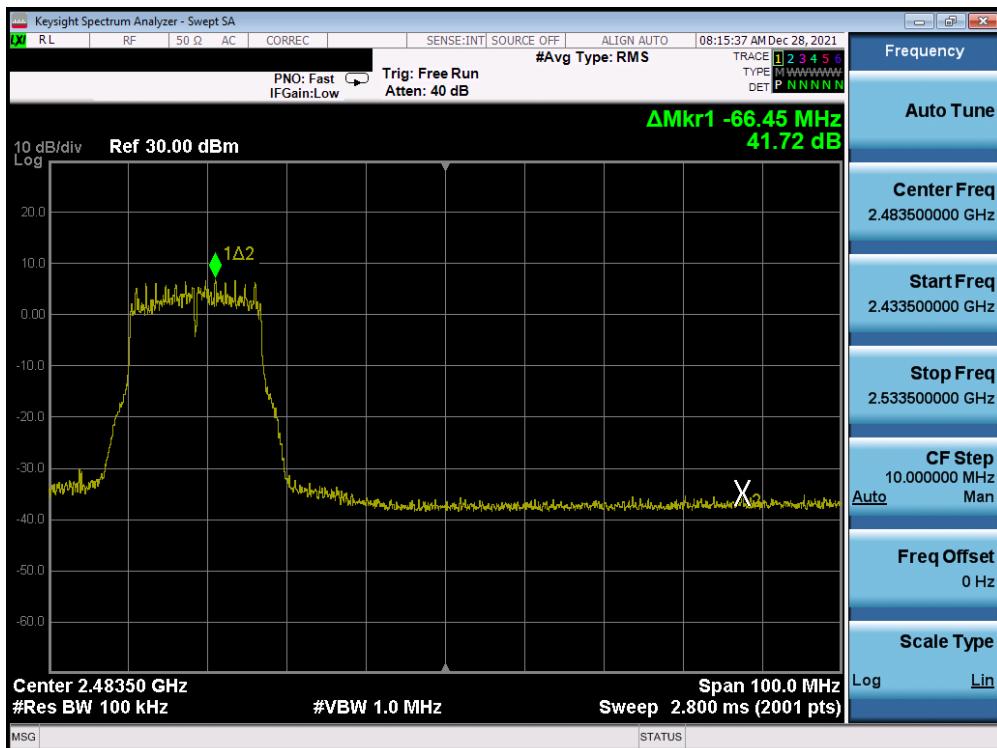


Plot 7-260. Band Edge Plot Antenna 3a (802.11g – Ch. 7) – 36Mbps

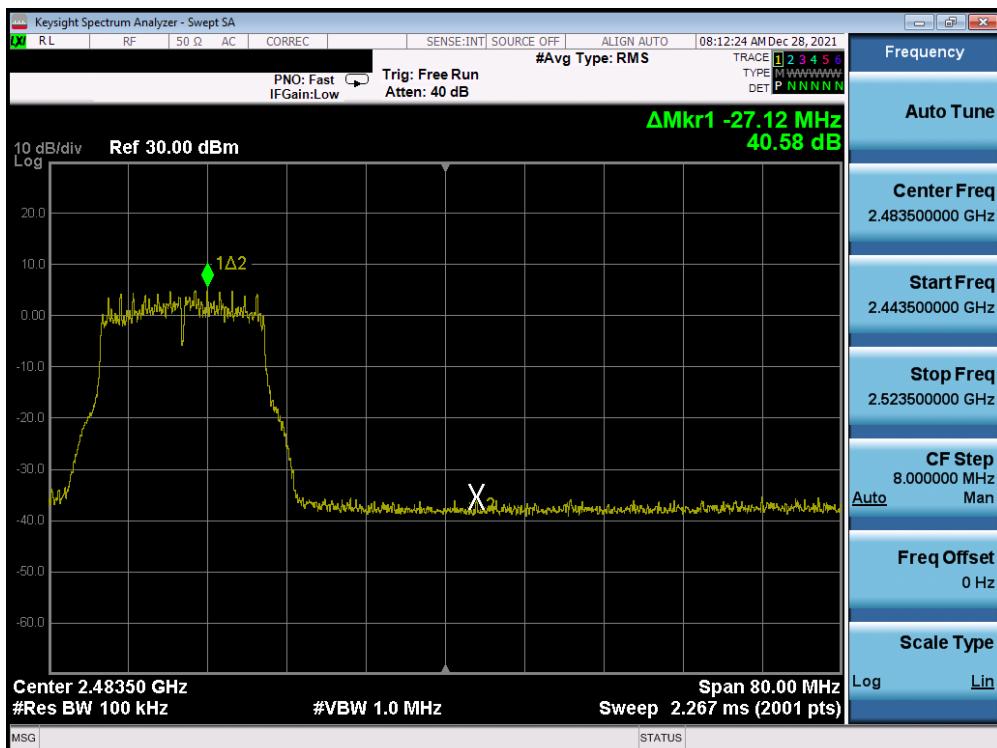


Plot 7-261. Band Edge Plot Antenna 3a (802.11g – Ch. 8) – 36Mbps

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 181 of 419

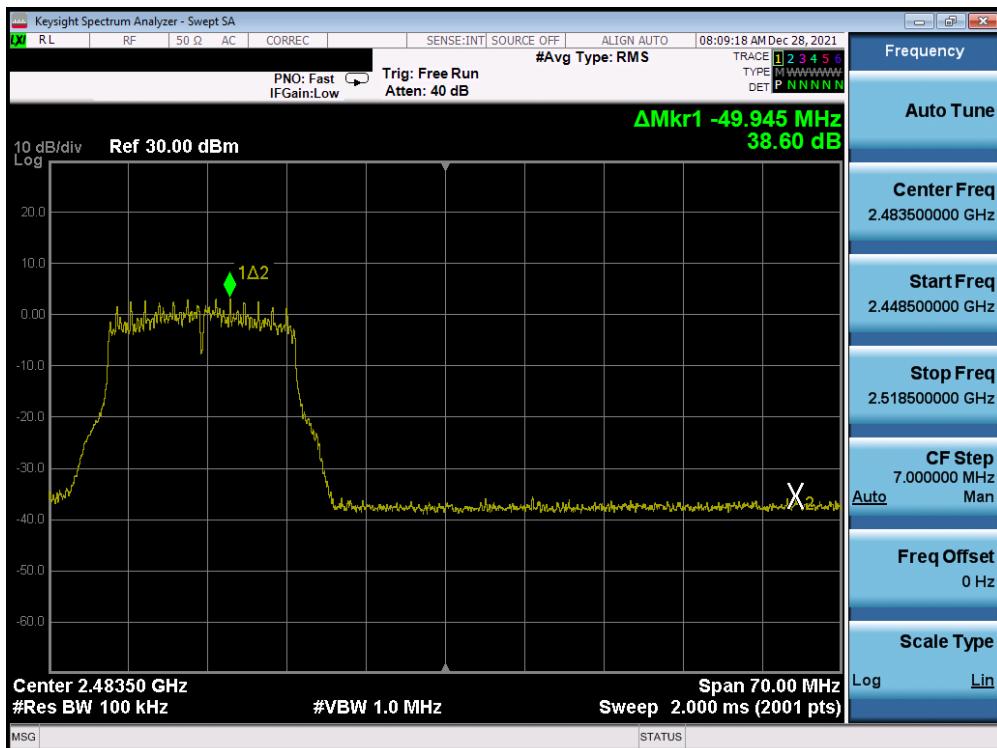


Plot 7-262. Band Edge Plot Antenna 3a (802.11g – Ch. 9) – 36Mbps

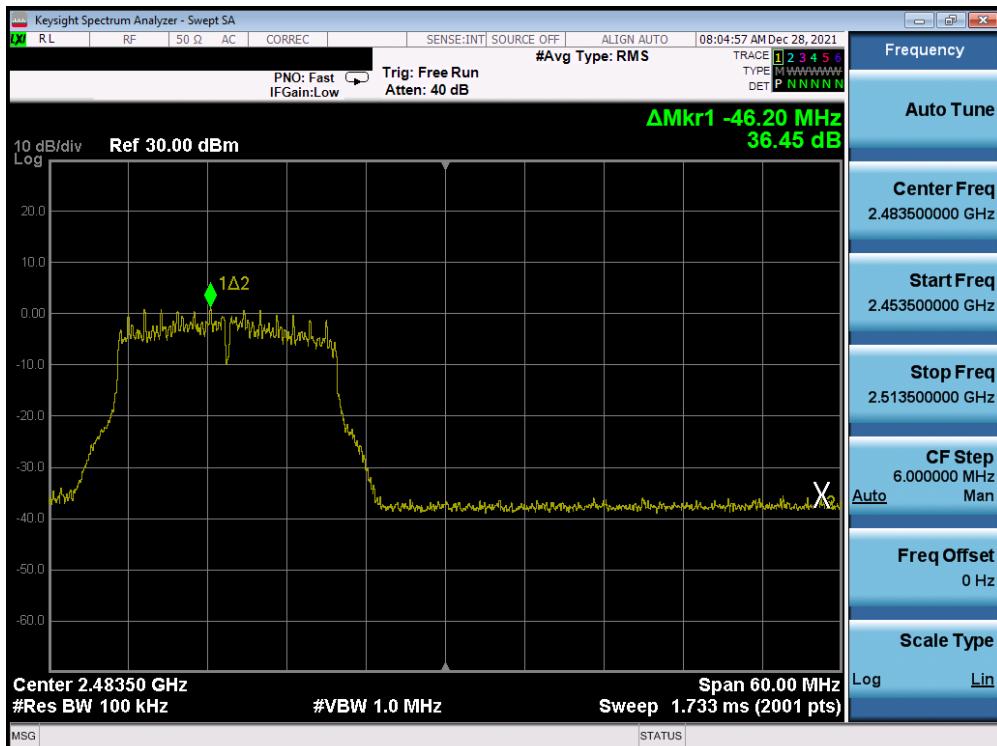


Plot 7-263. Band Edge Plot Antenna 3a (802.11g – Ch. 10) – 36Mbps

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 182 of 419

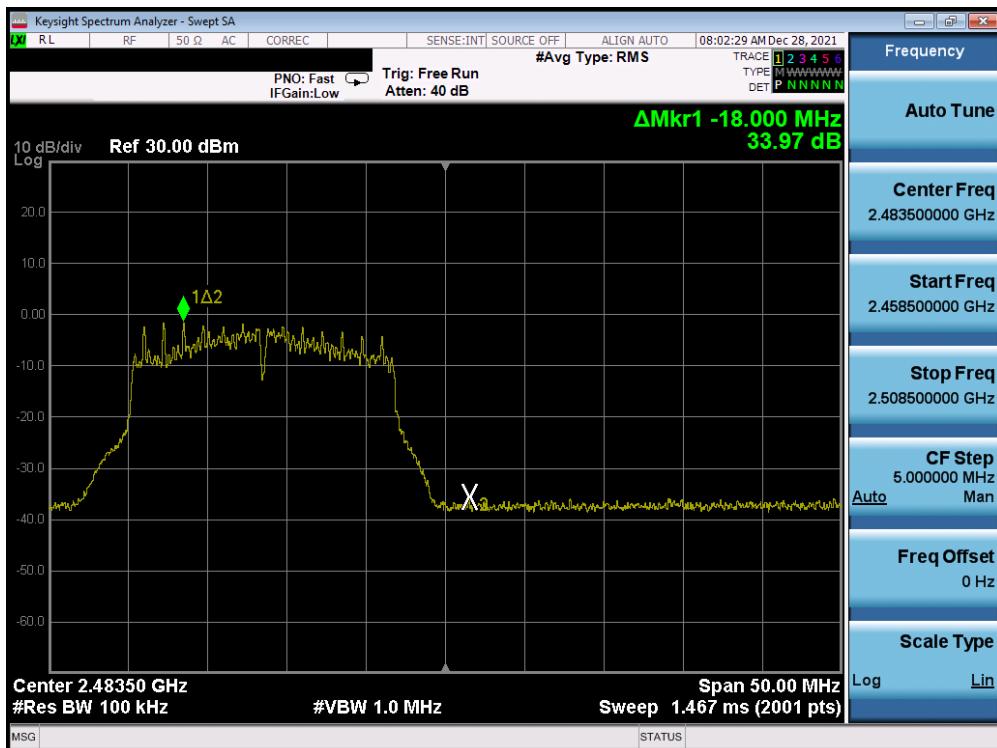


Plot 7-264. Band Edge Plot Antenna 3a (802.11g – Ch. 11) – 36Mbps

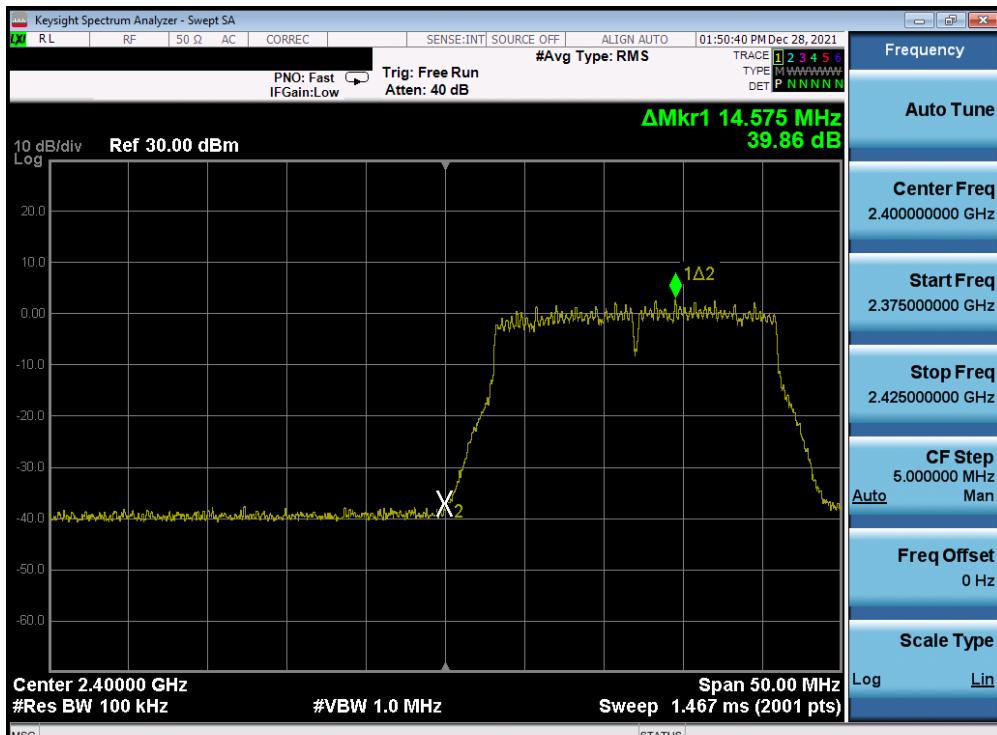


Plot 7-265. Band Edge Plot Antenna 3a (802.11g – Ch. 12) – 36Mbps

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 183 of 419

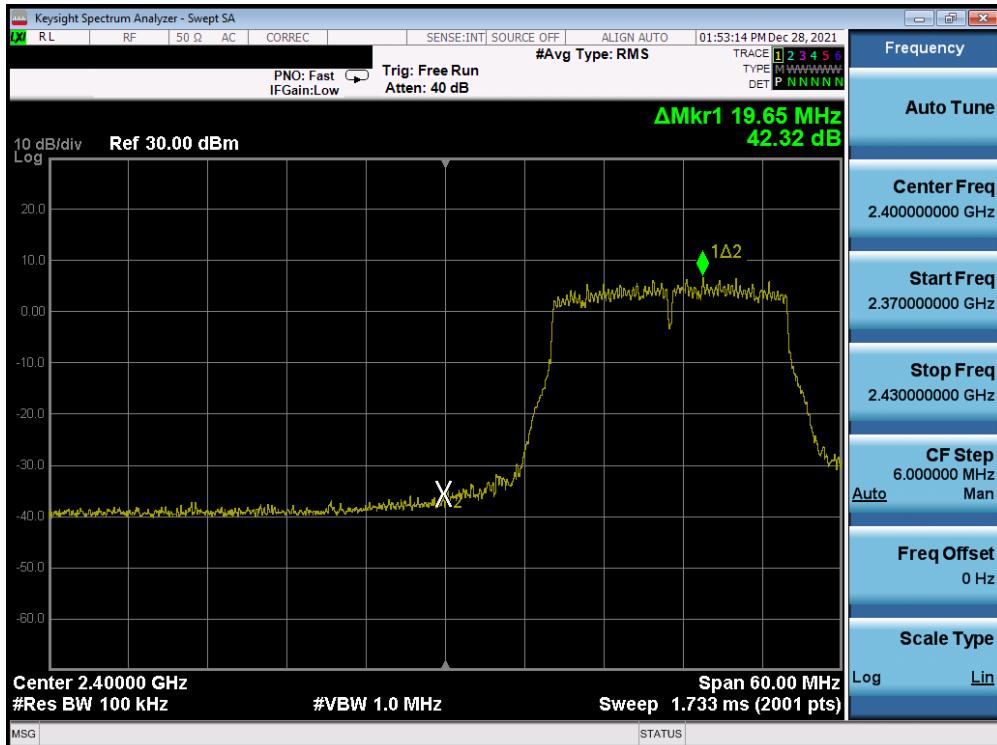


Plot 7-266. Band Edge Plot Antenna 3a (802.11g – Ch. 13) – 36Mbps

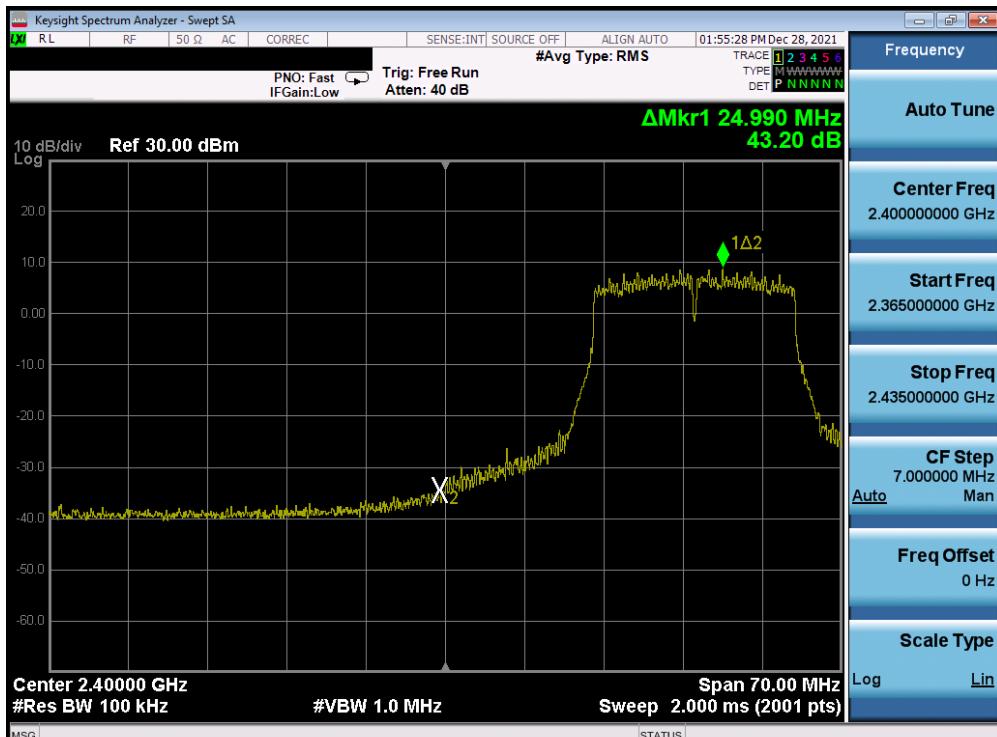


Plot 7-267. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 1) – MCS5

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 184 of 419

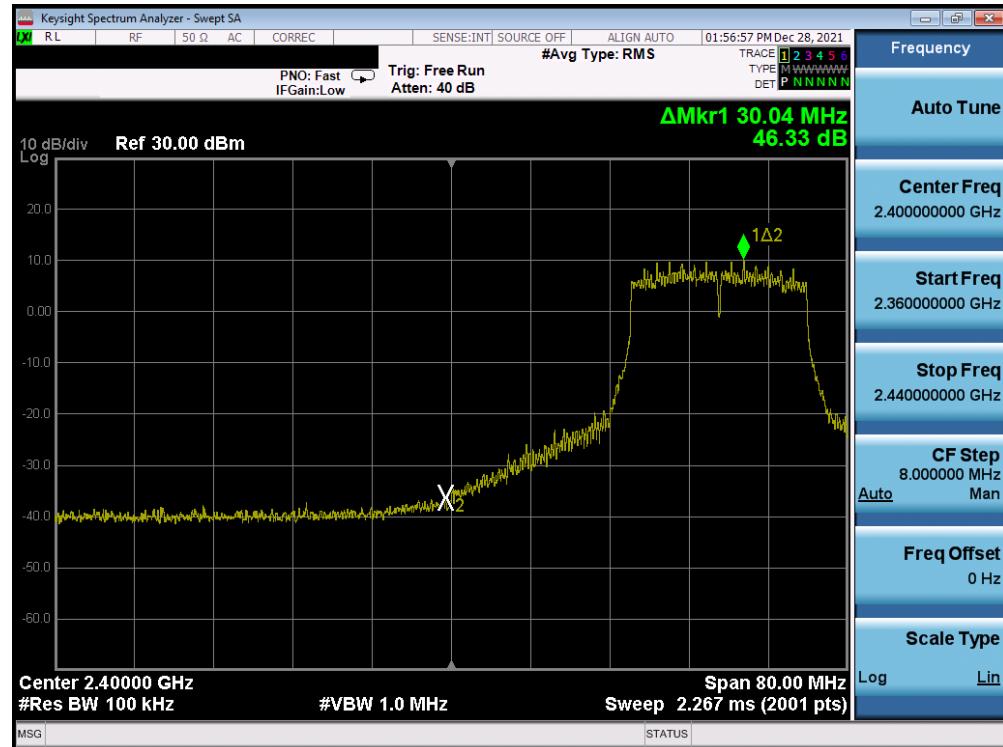


Plot 7-268. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 2) – MCS5

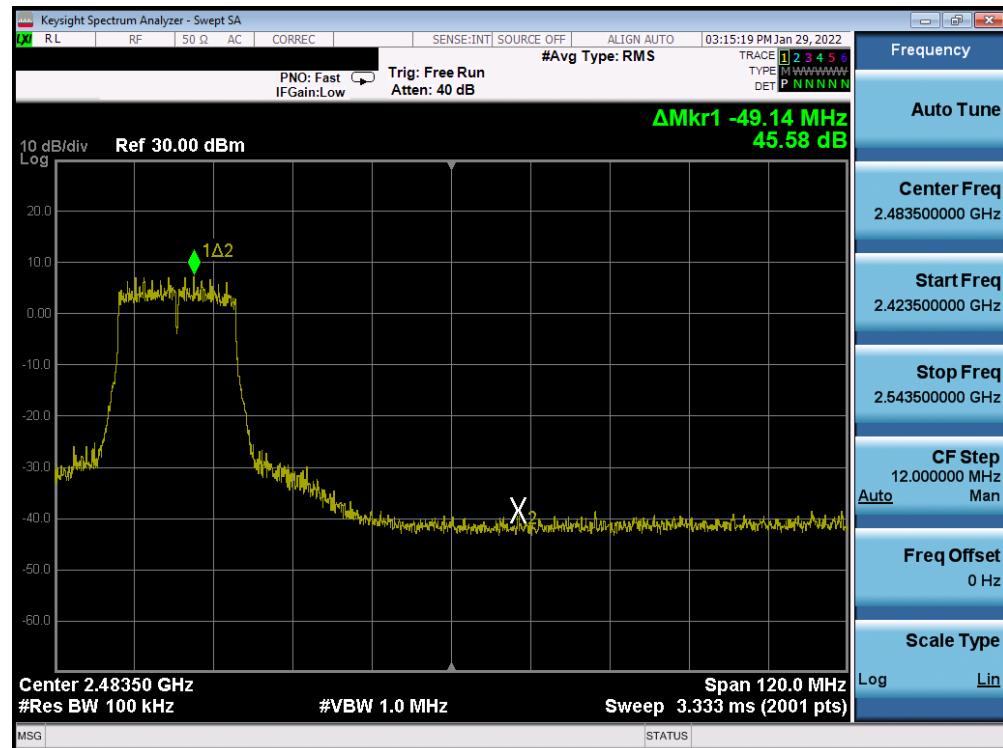


Plot 7-269. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 3) – MCS5

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 185 of 419



Plot 7-270. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 4) – MCS5



Plot 7-271. Band Edge Plot Antenna 3a (802.11n (2.4GHz) – Ch. 7) – MCS5

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 186 of 419