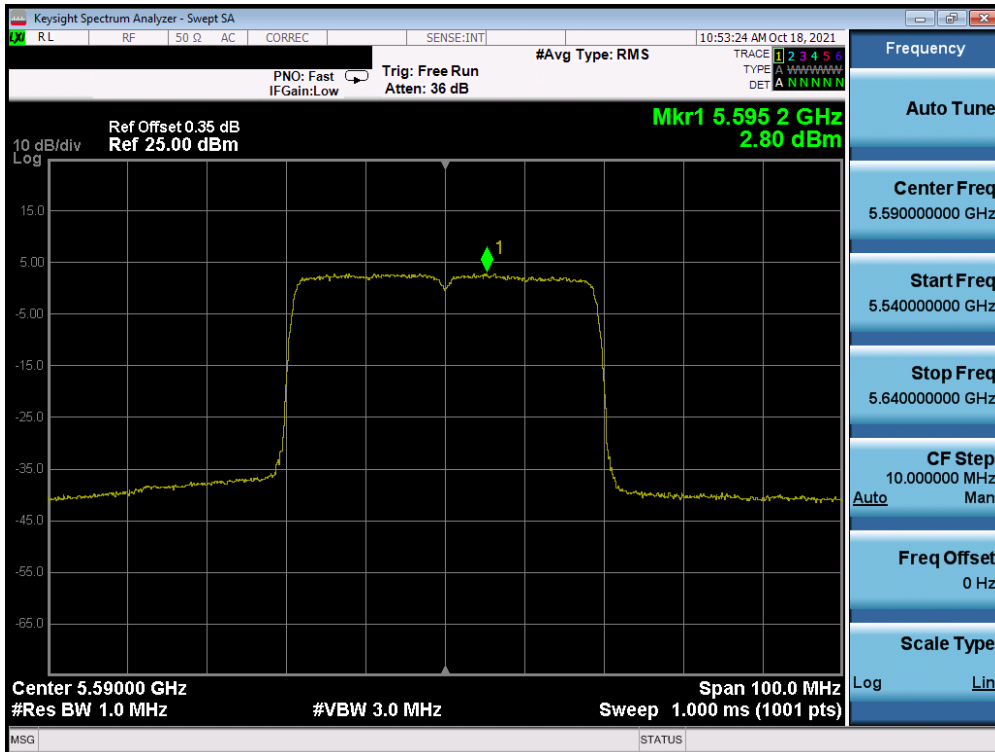
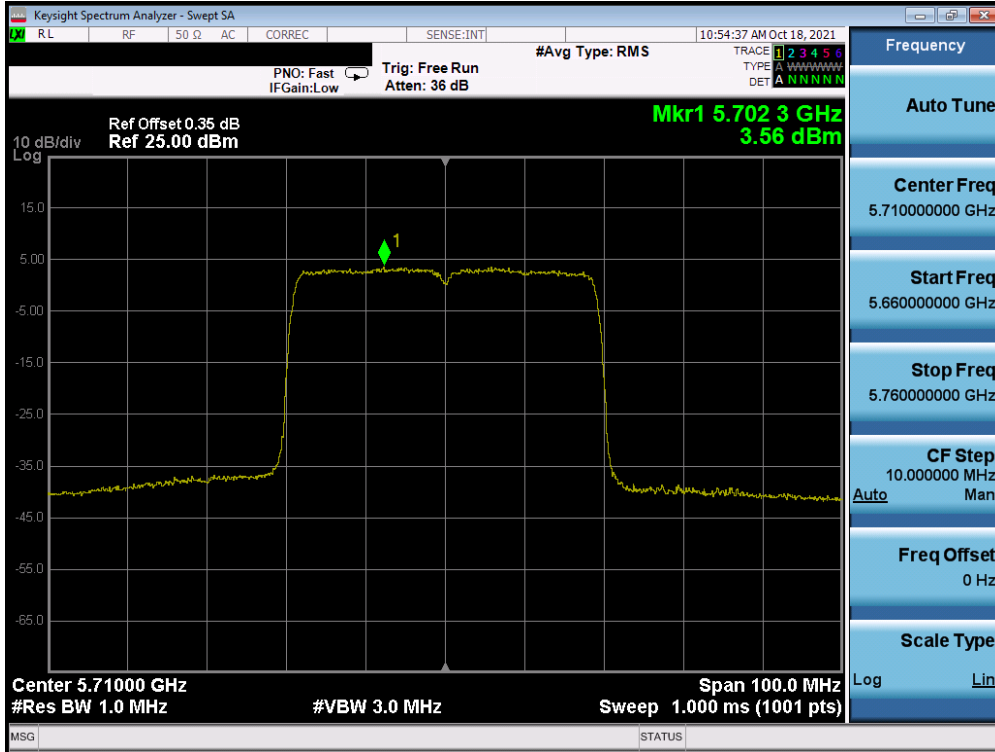


Plot 7-219. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 102)

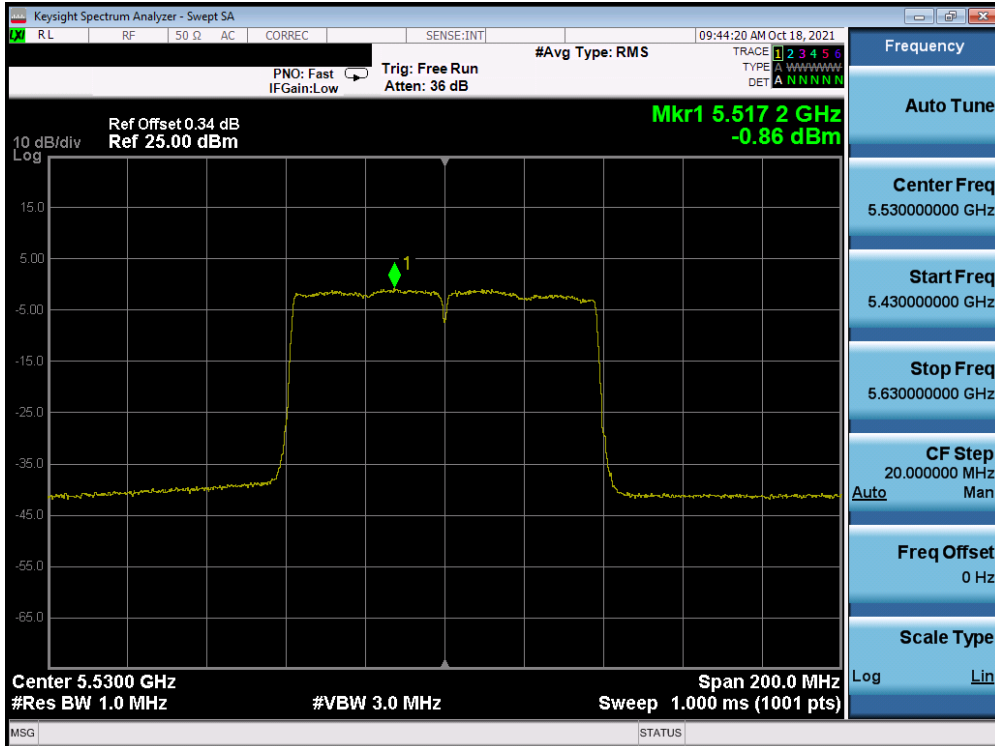


Plot 7-220. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 118)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 141 of 257

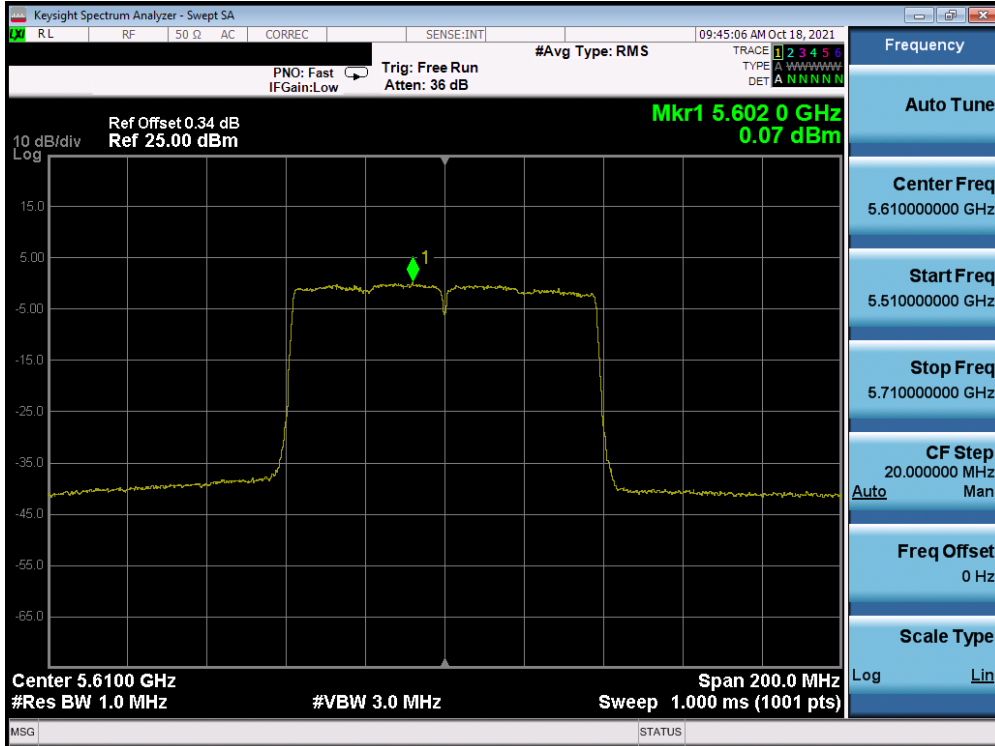


Plot 7-221. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 142)

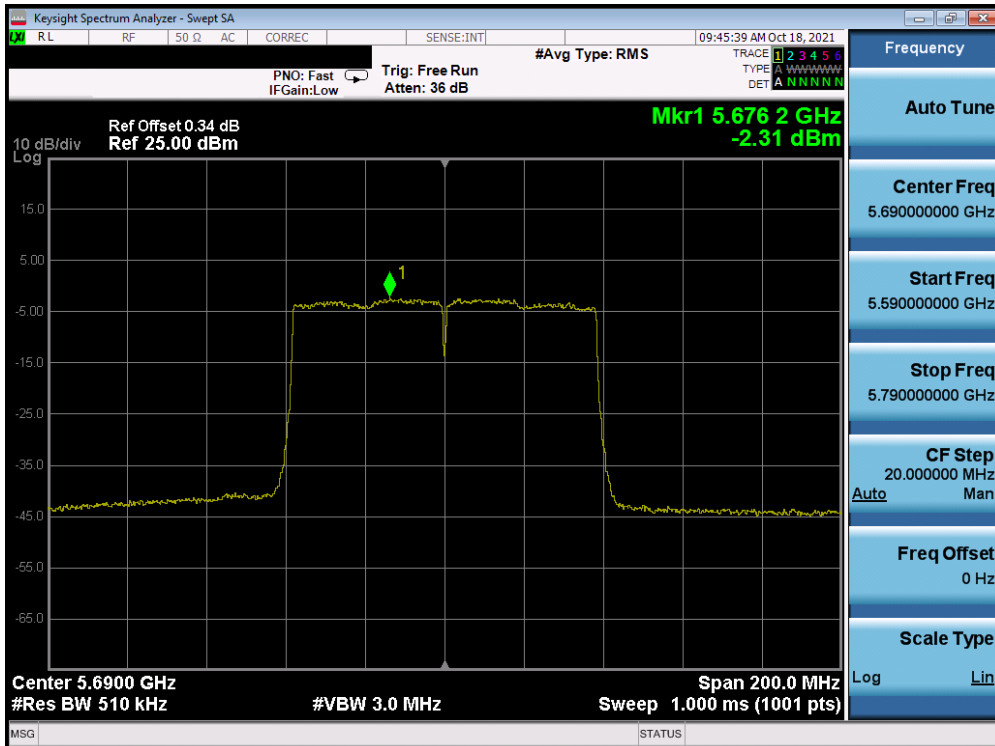


Plot 7-222. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 142 of 257

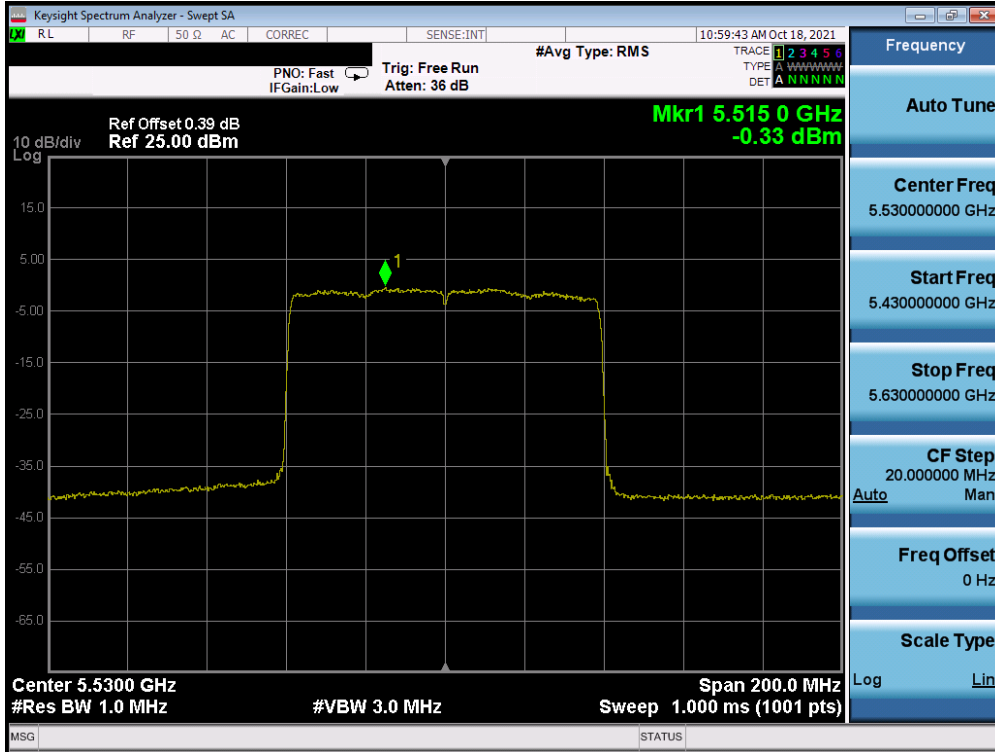


Plot 7-223. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

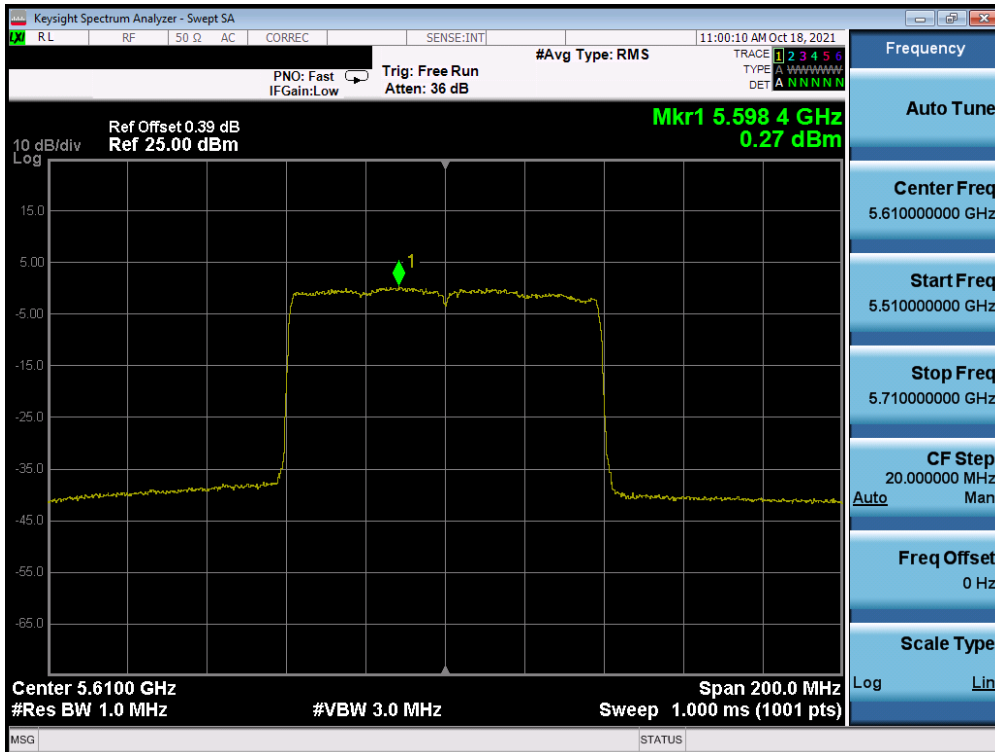


Plot 7-224. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 143 of 257

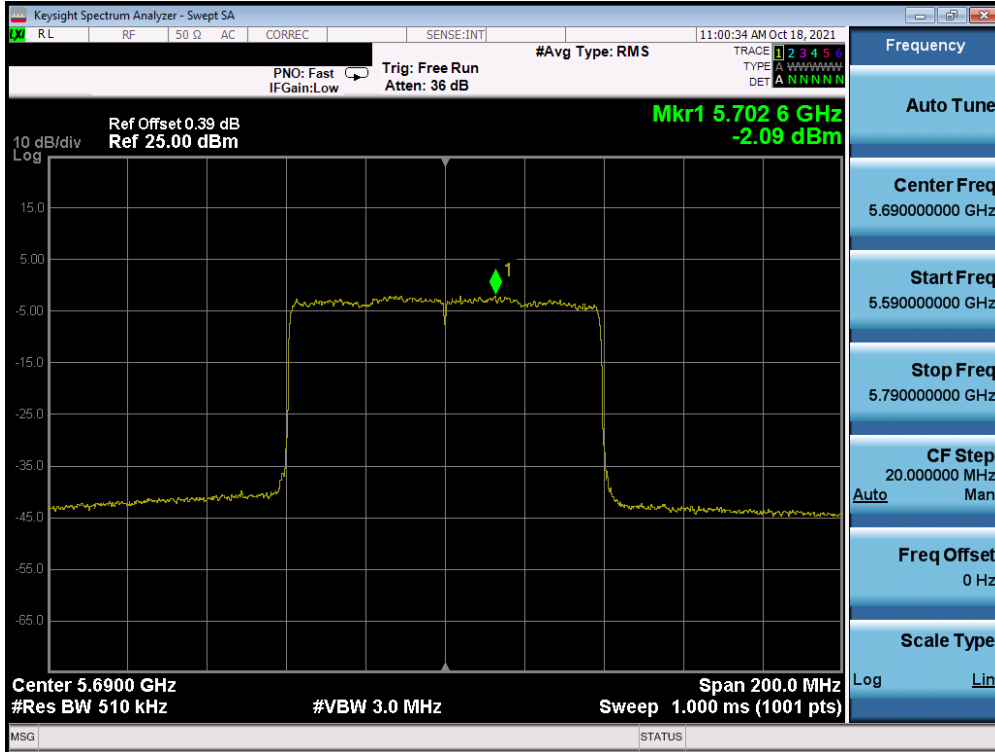


Plot 7-225. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 106)

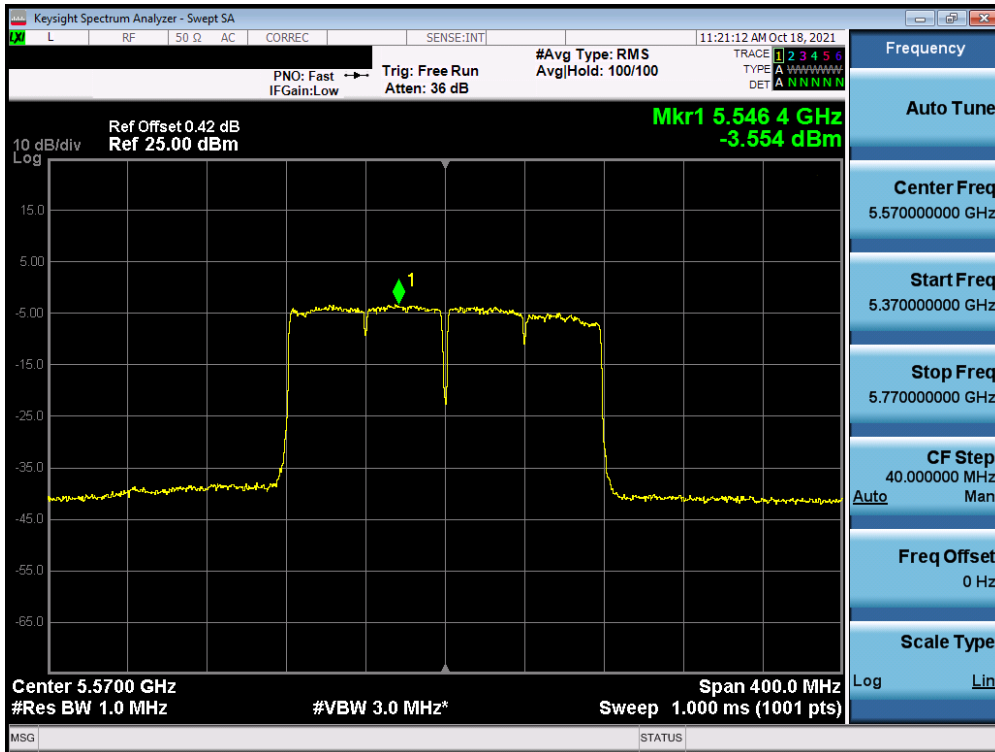


Plot 7-226. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 144 of 257

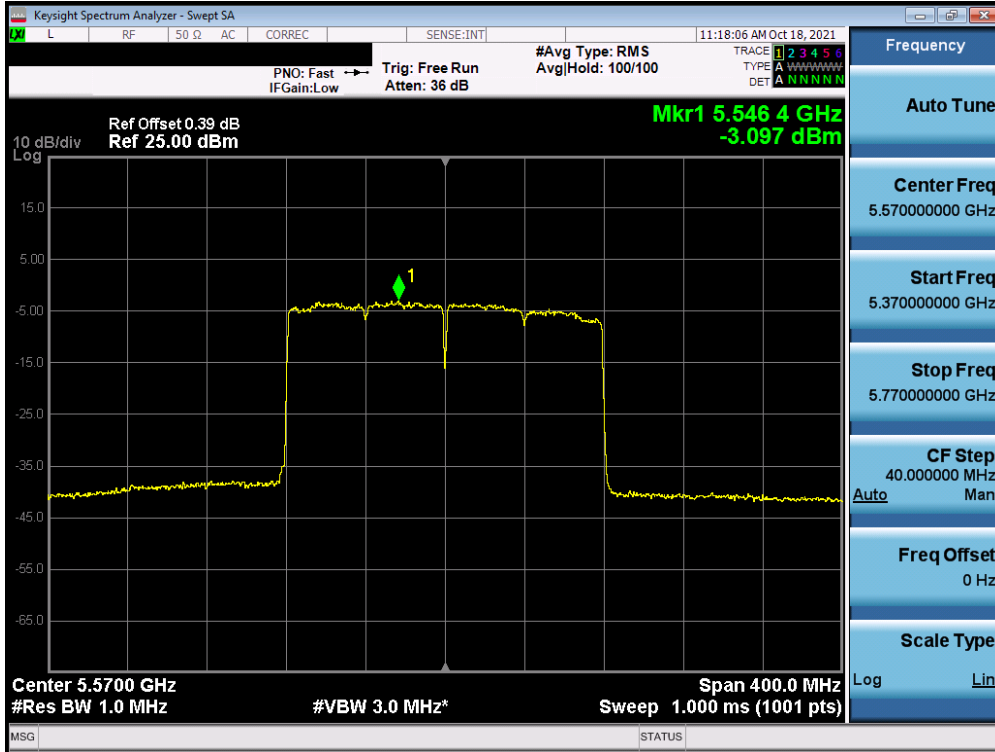


Plot 7-227. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 138)

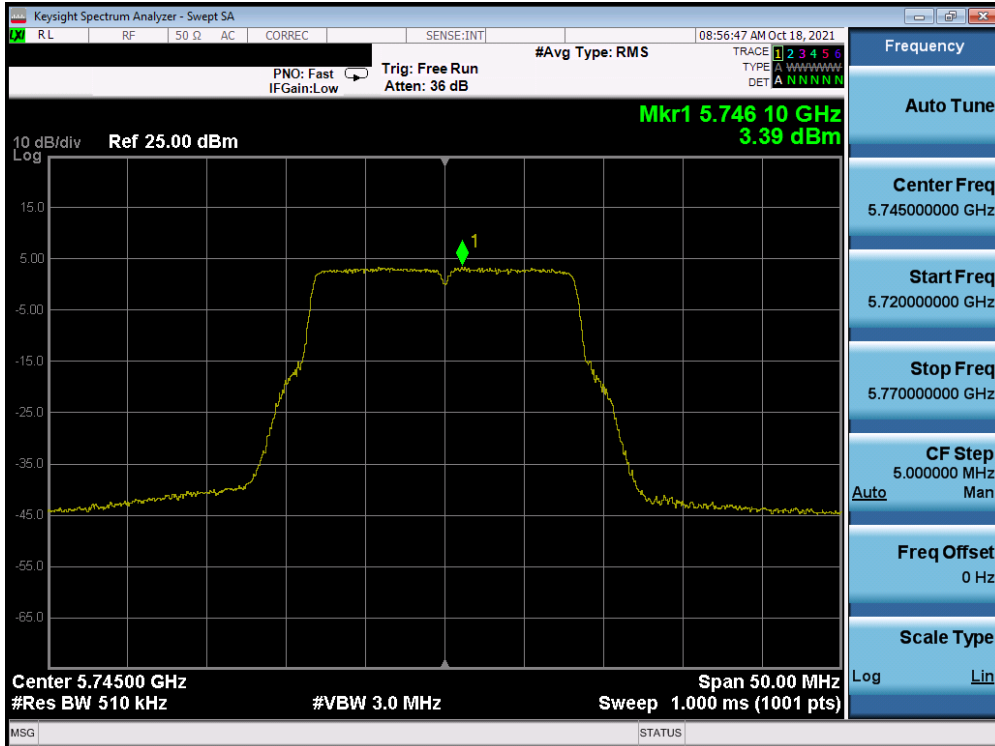


Plot 7-228. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 145 of 257

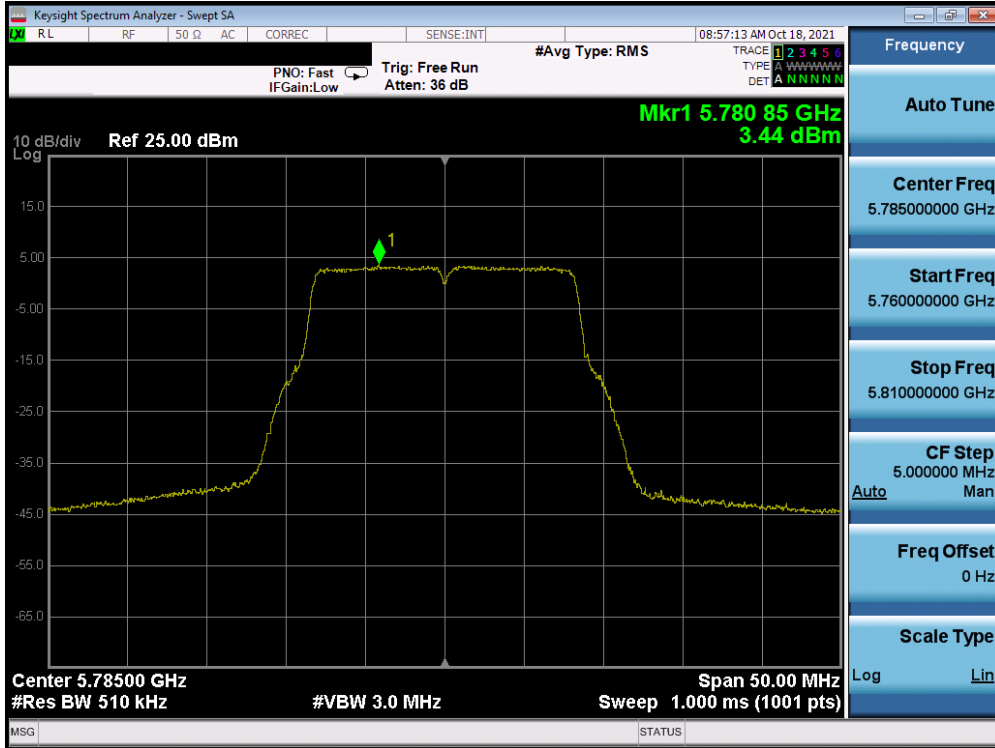


Plot 7-229. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (UNII Band 2C) – Ch. 114)

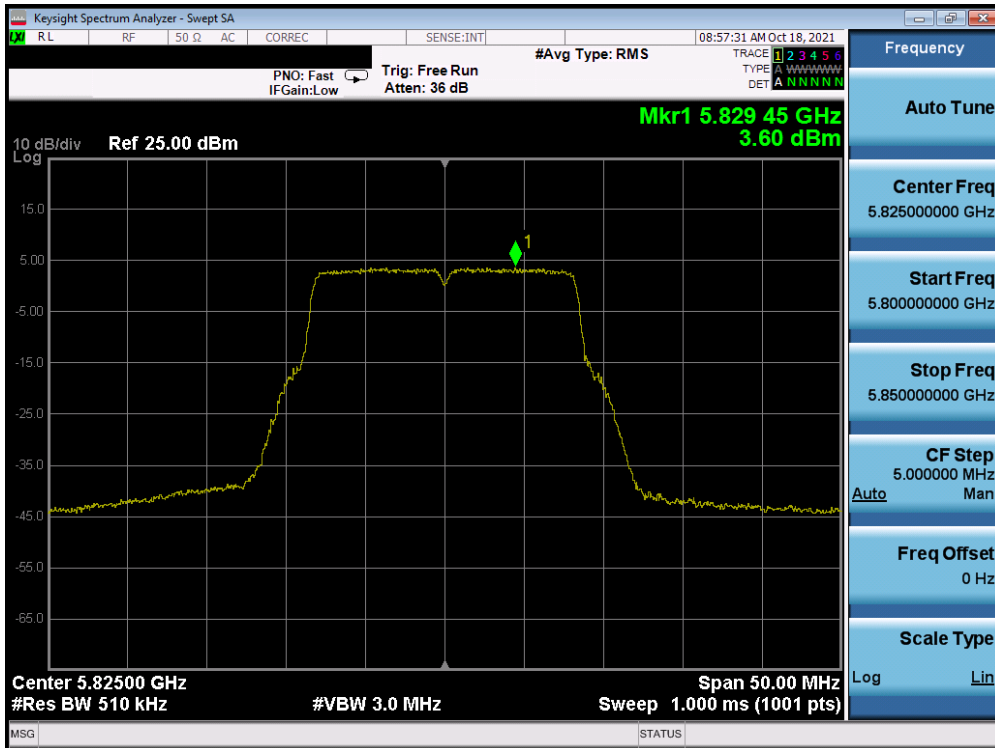


Plot 7-230. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) – Ch. 149)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 146 of 257

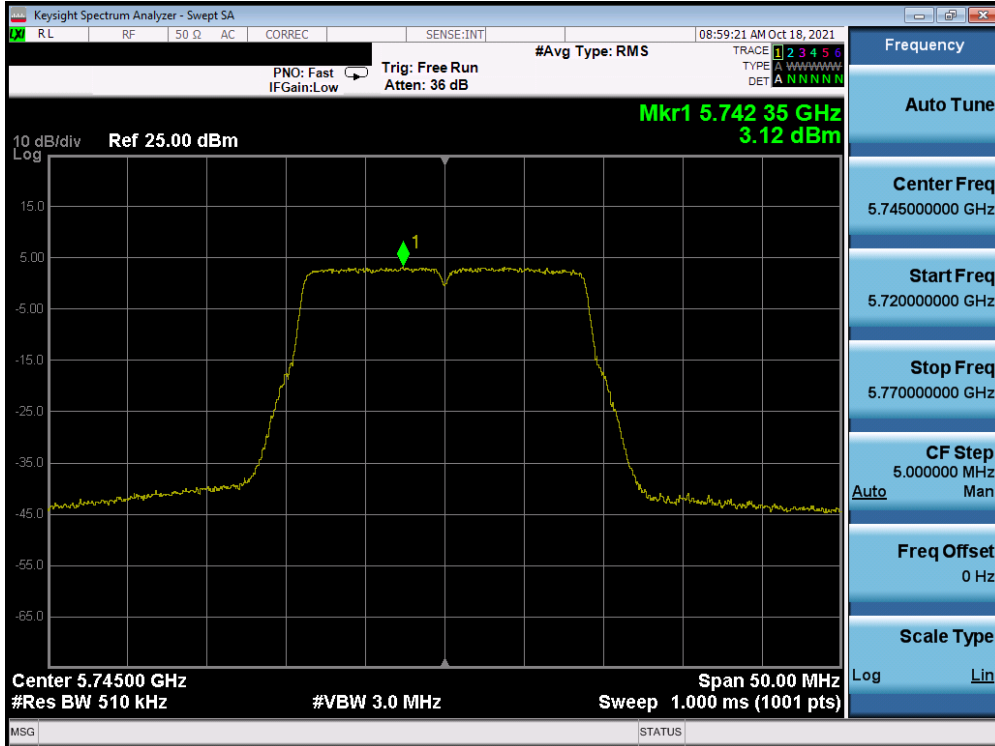


Plot 7-231. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) – Ch. 157)

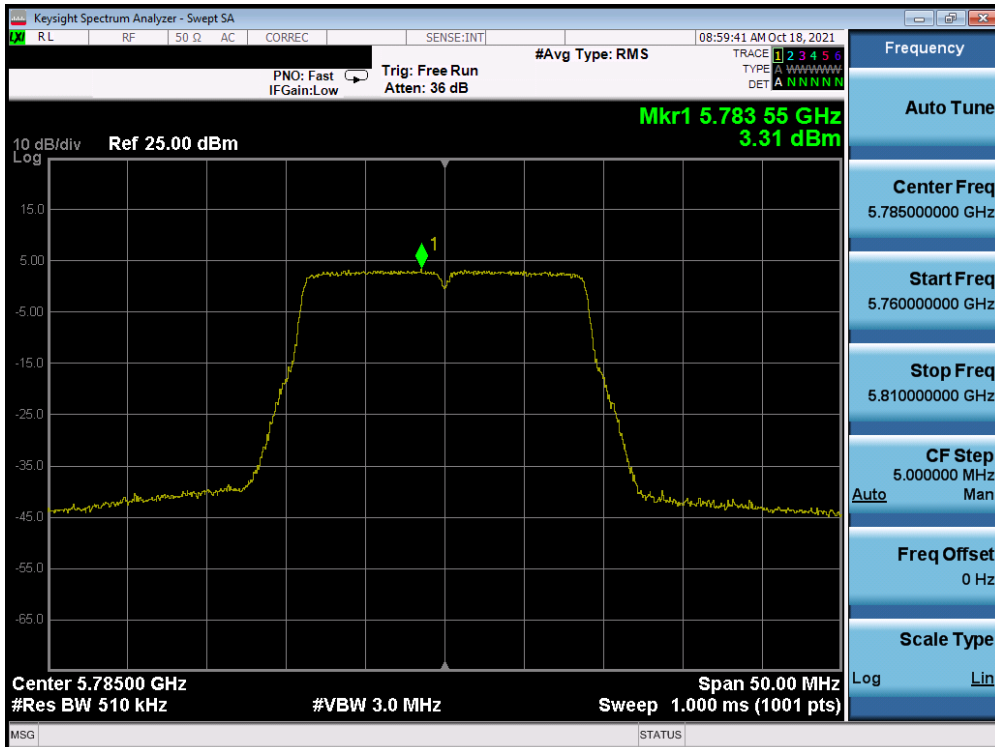


Plot 7-232. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3) – Ch. 165)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 147 of 257



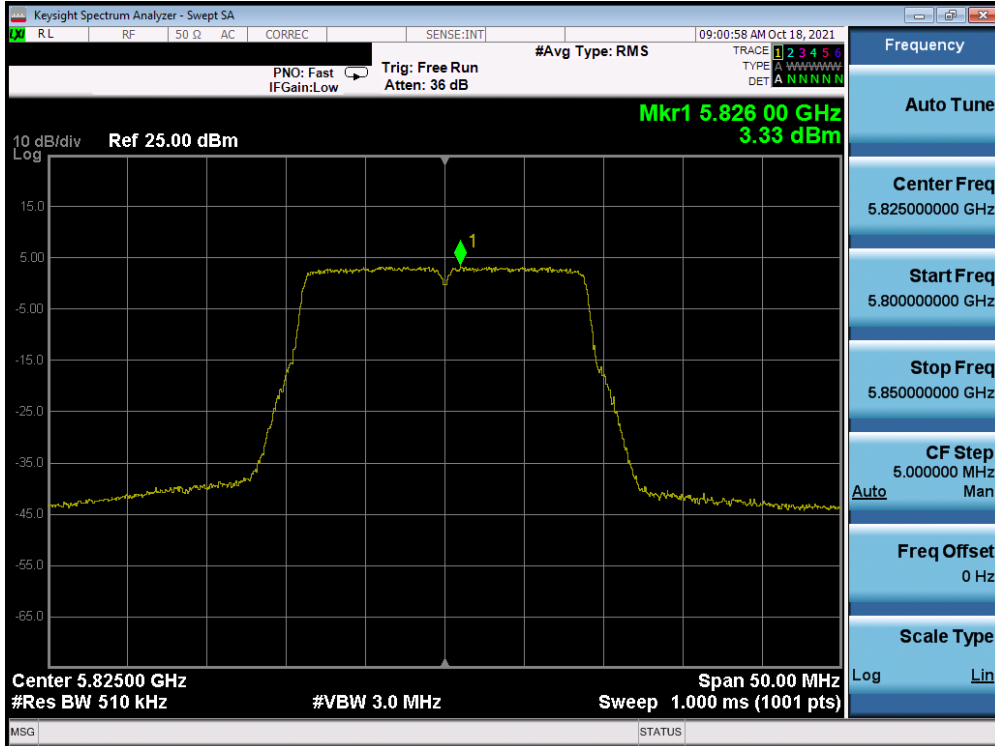
Plot 7-233. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)



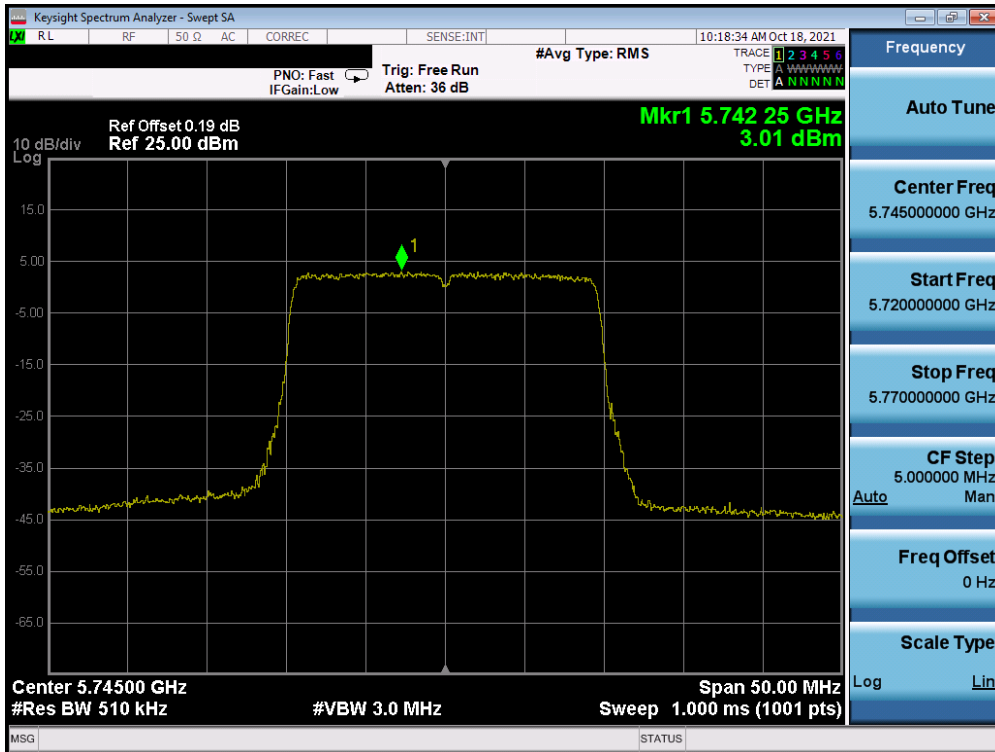
Plot 7-234. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 148 of 257



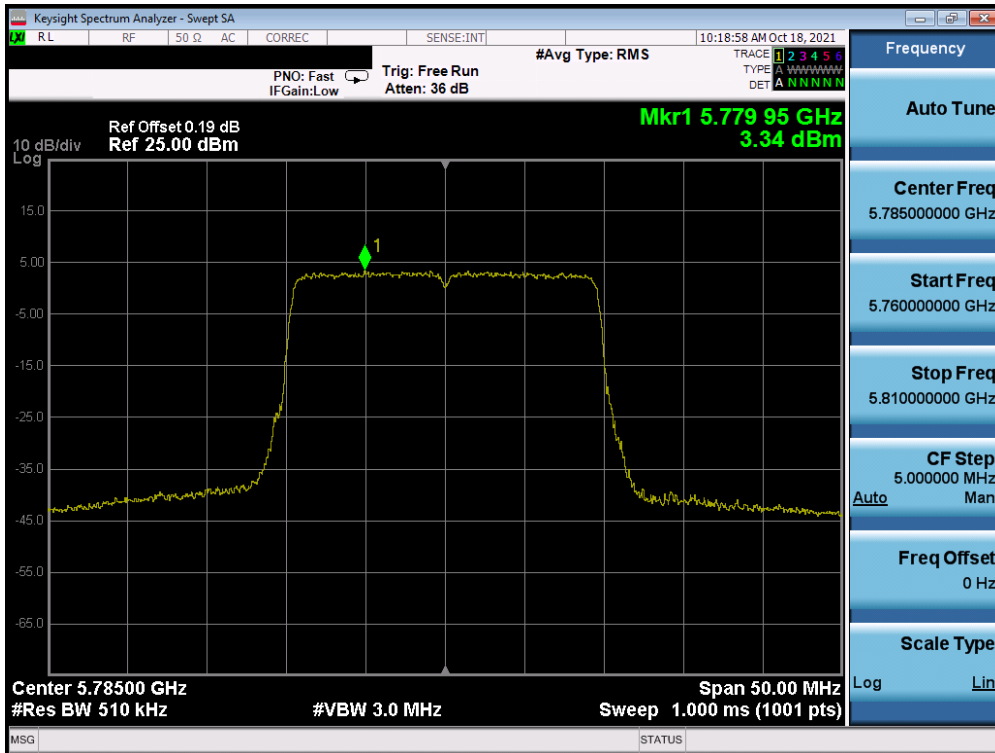


Plot 7-235. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

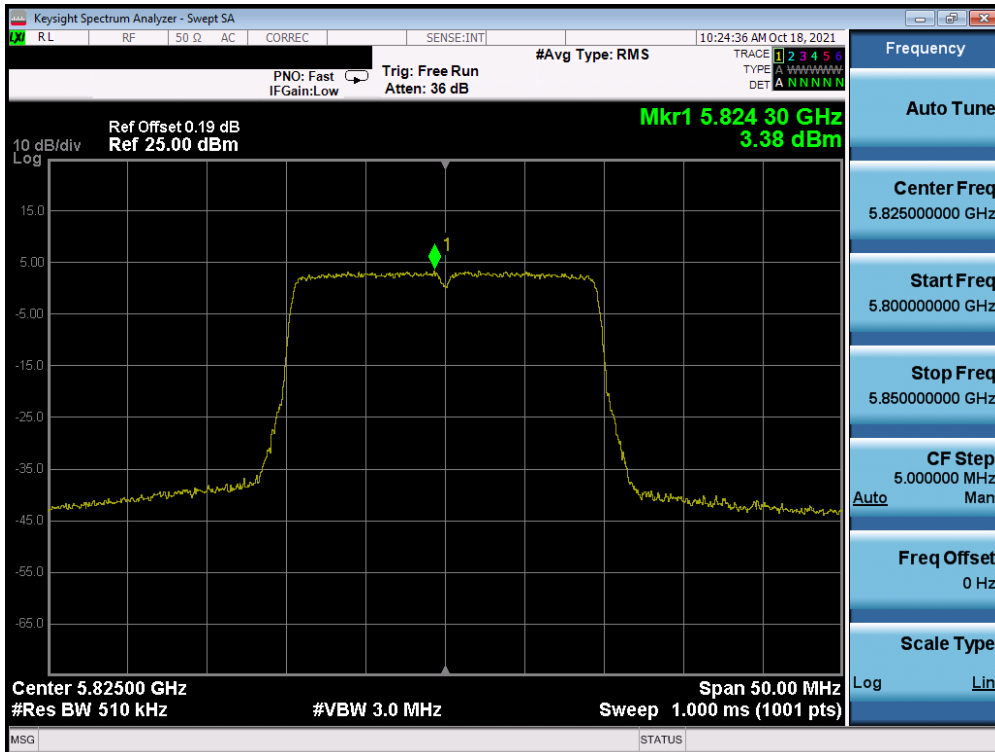


Plot 7-236. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) – Ch. 149)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 149 of 257

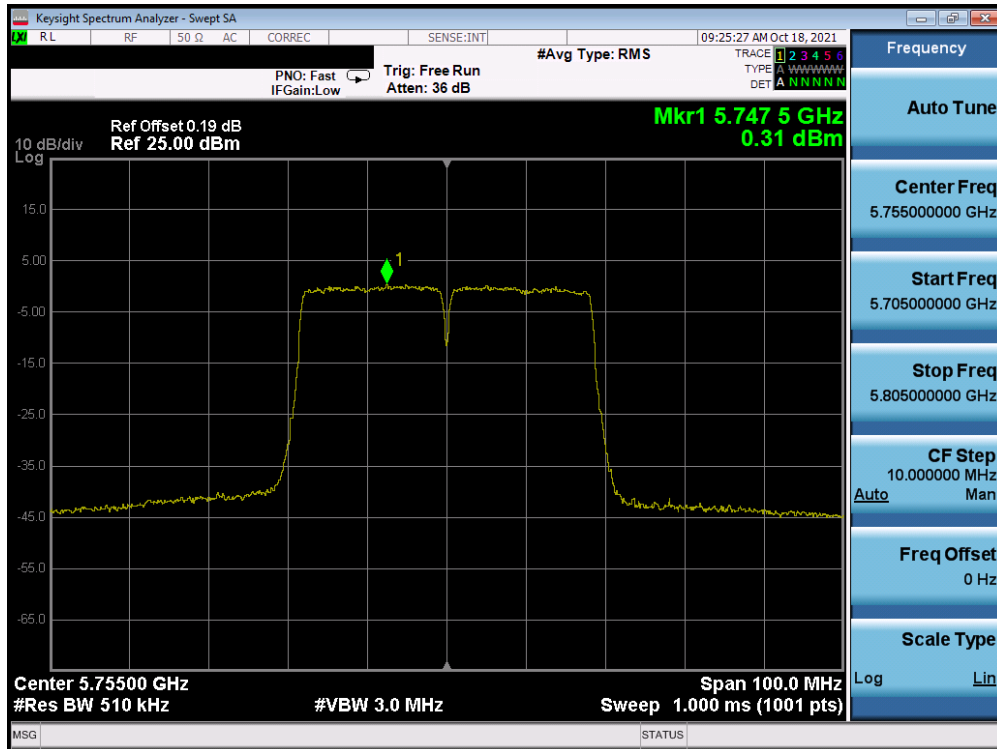


Plot 7-237. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) – Ch. 157)

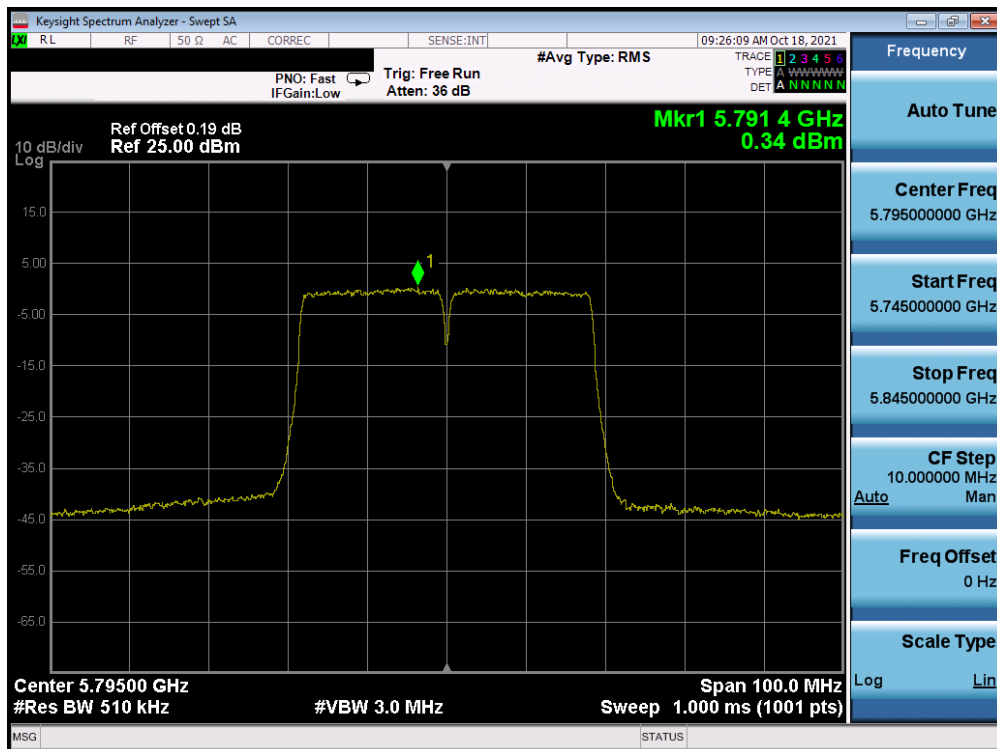


Plot 7-238. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) – Ch. 165)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 150 of 257

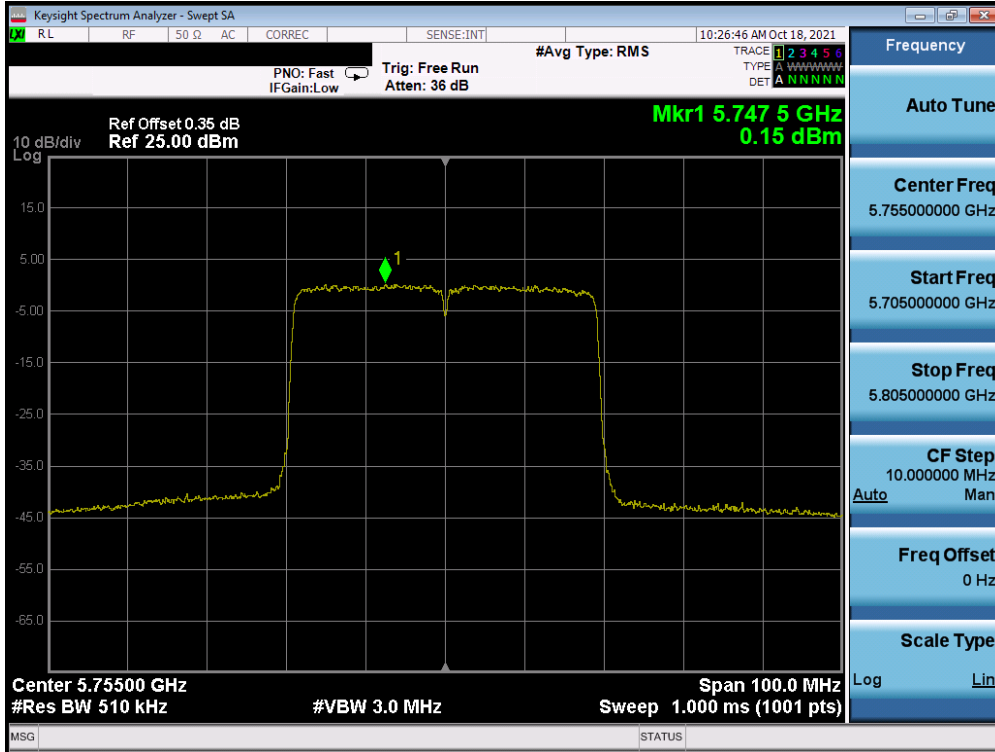


Plot 7-239. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

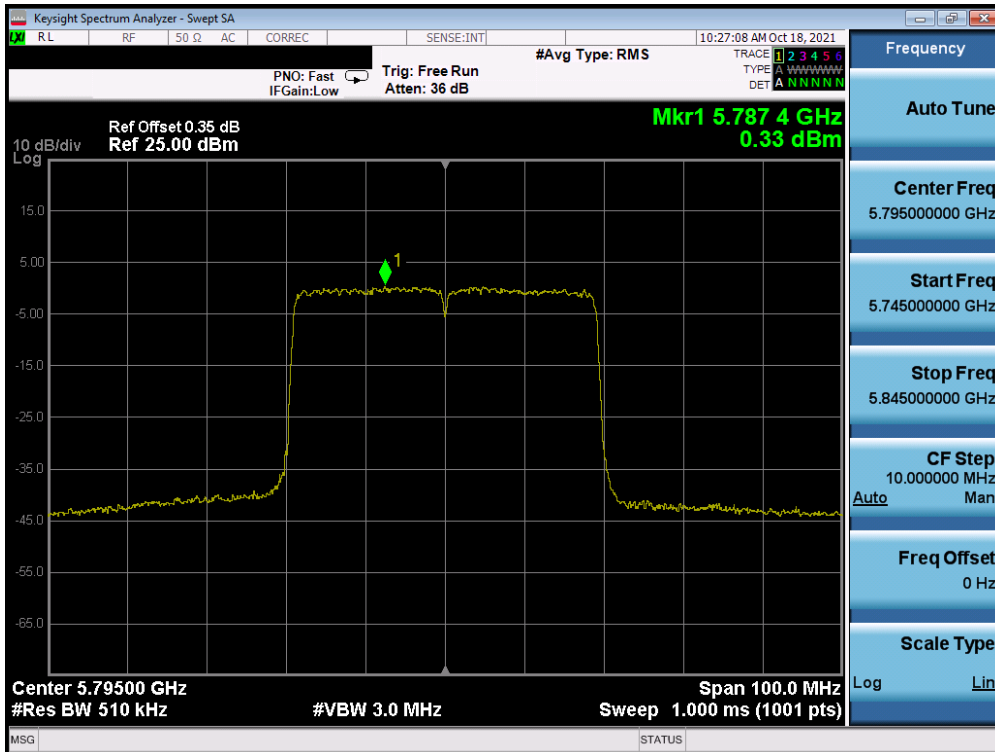


Plot 7-240. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 151 of 257

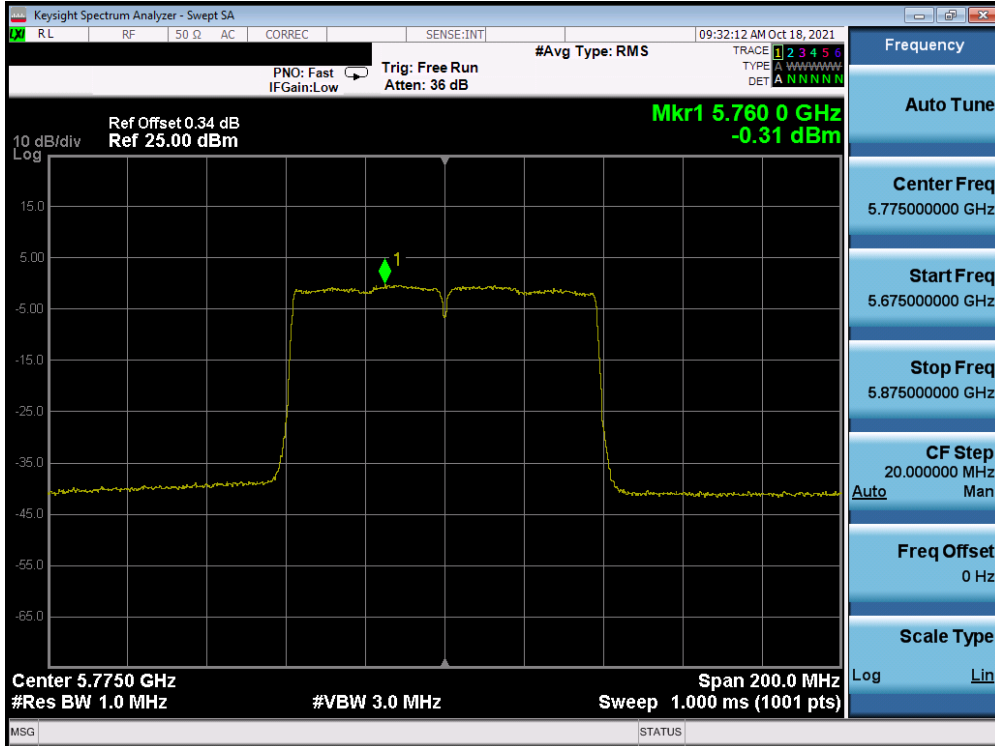


Plot 7-241. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3) – Ch. 151)

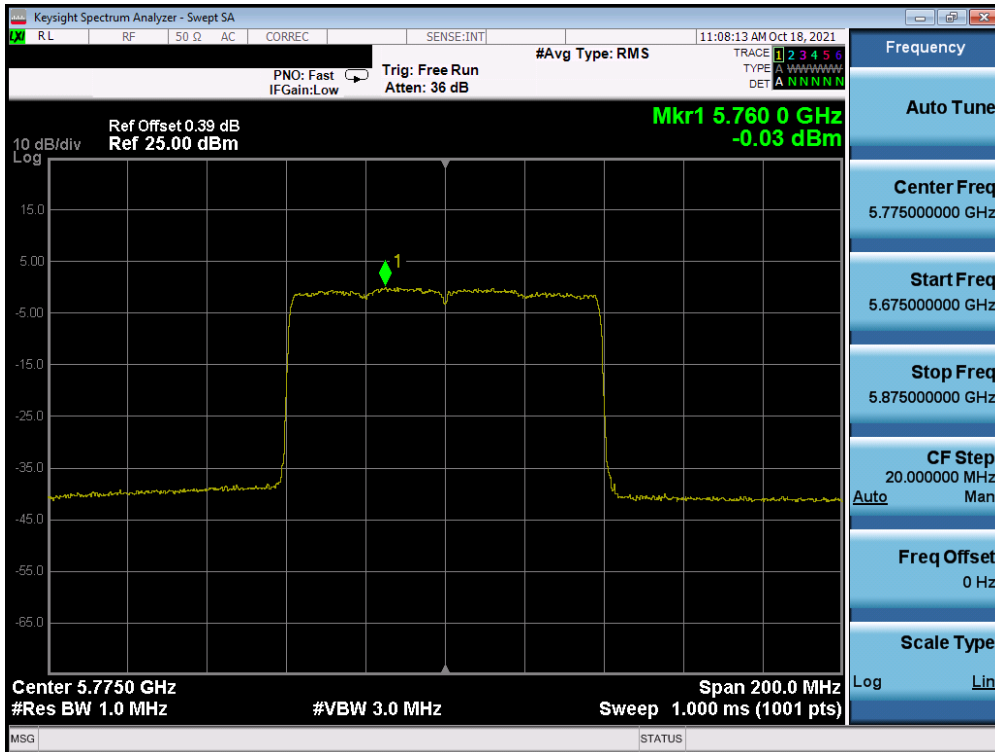


Plot 7-242. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3) – Ch. 159)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 152 of 257

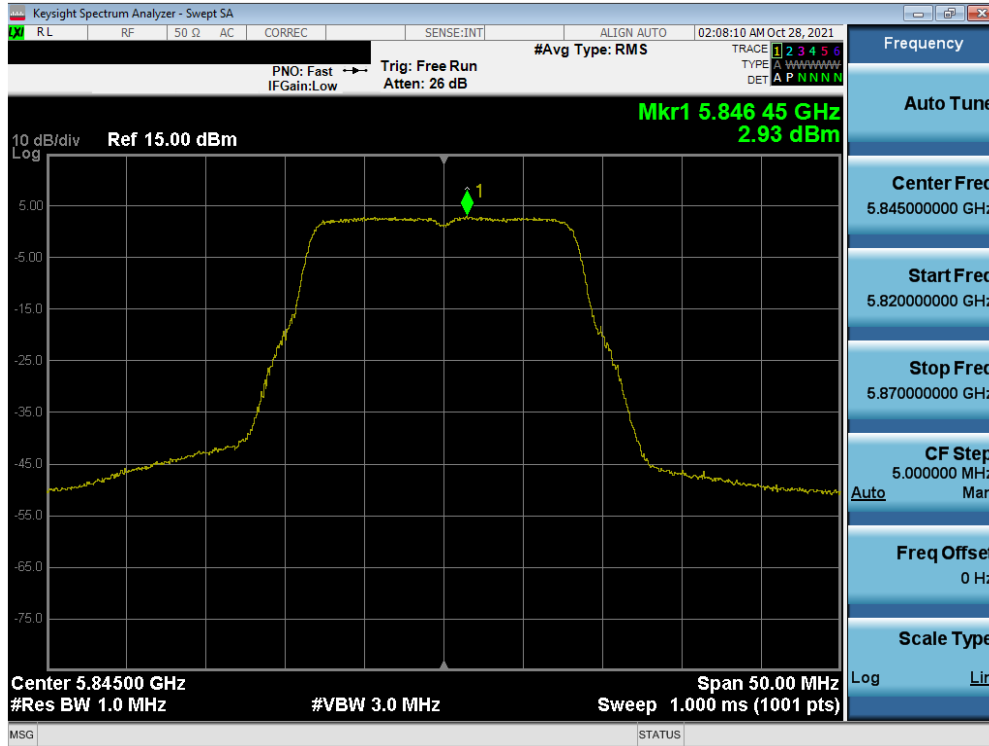


Plot 7-243. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

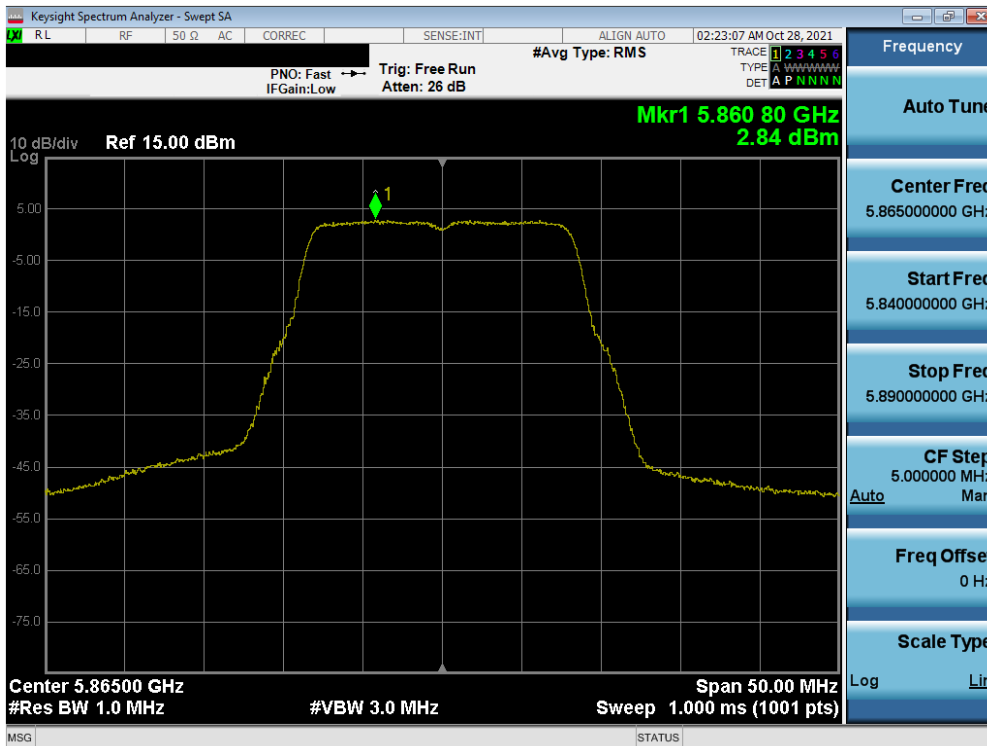


Plot 7-244. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 3) – Ch. 155)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 153 of 257

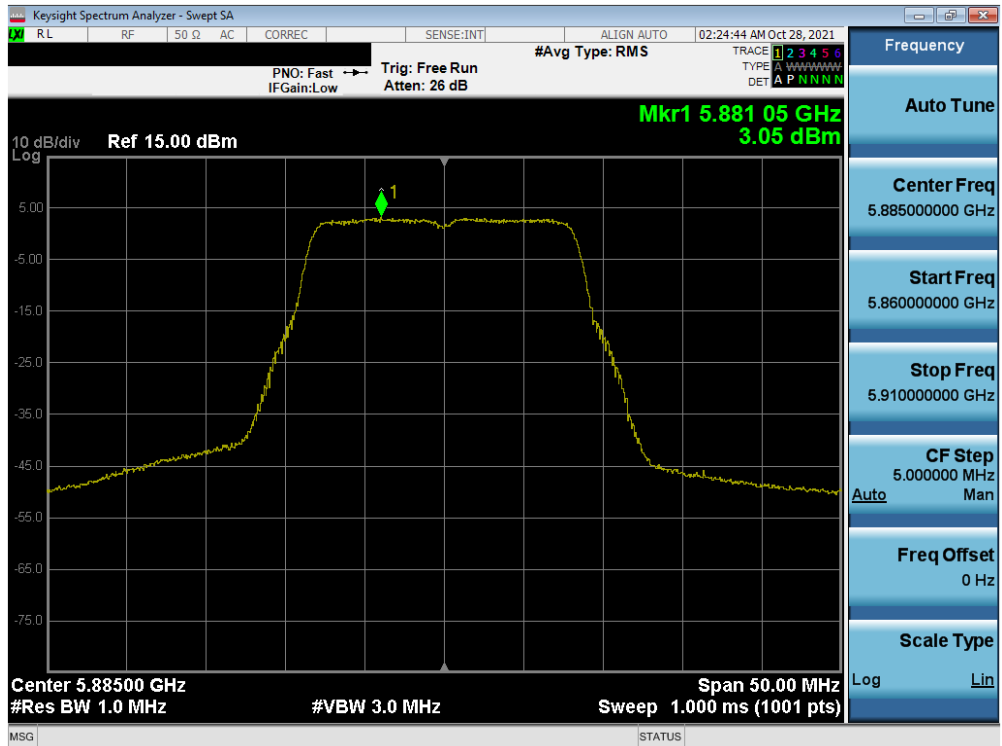


Plot 7-245. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 3/4) – Ch. 169)

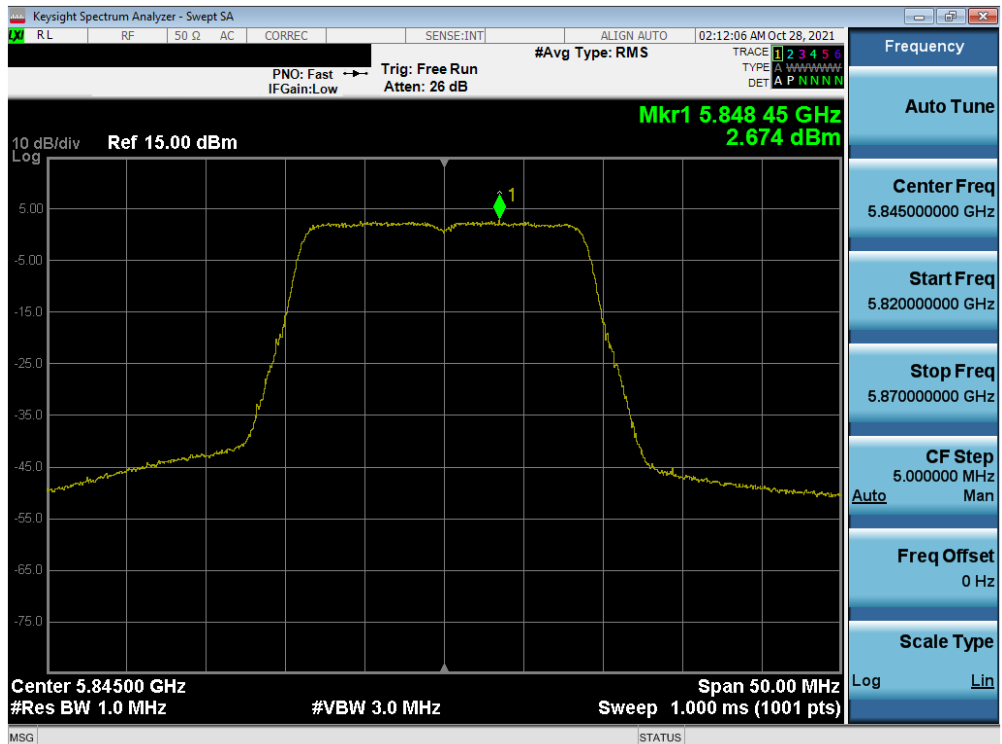


Plot 7-246. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 4) – Ch. 173)

FCC ID: A3LSMS908JPN	Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 154 of 257

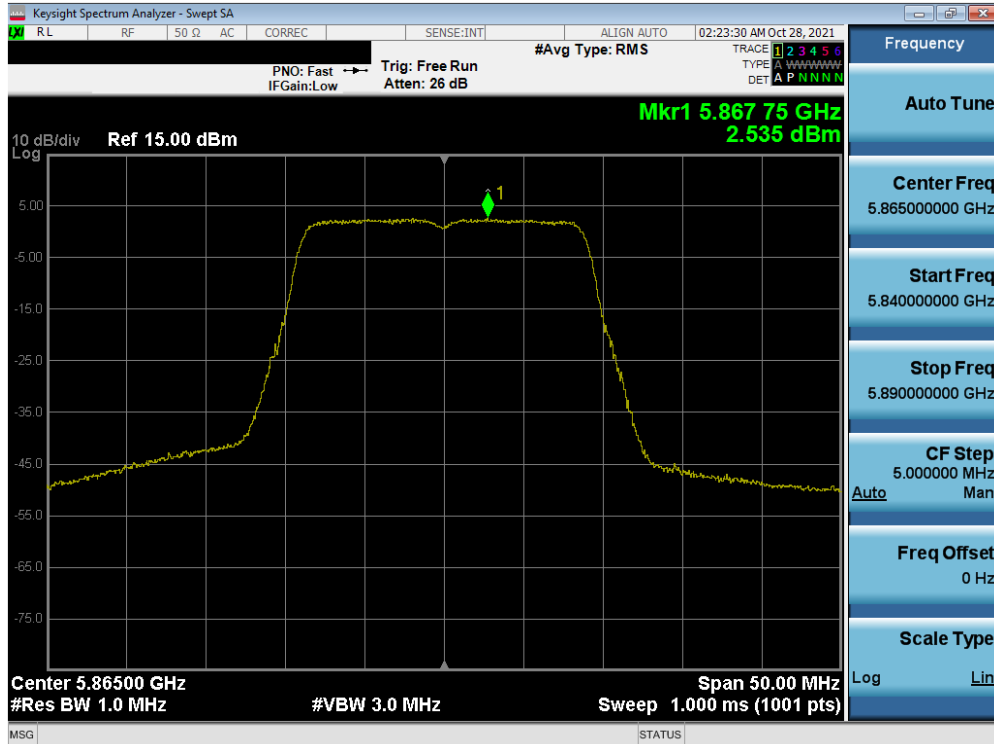


Plot 7-247. Power Spectral Density Plot MIMO ANT1 (802.11a (UNII Band 4) – Ch. 177)

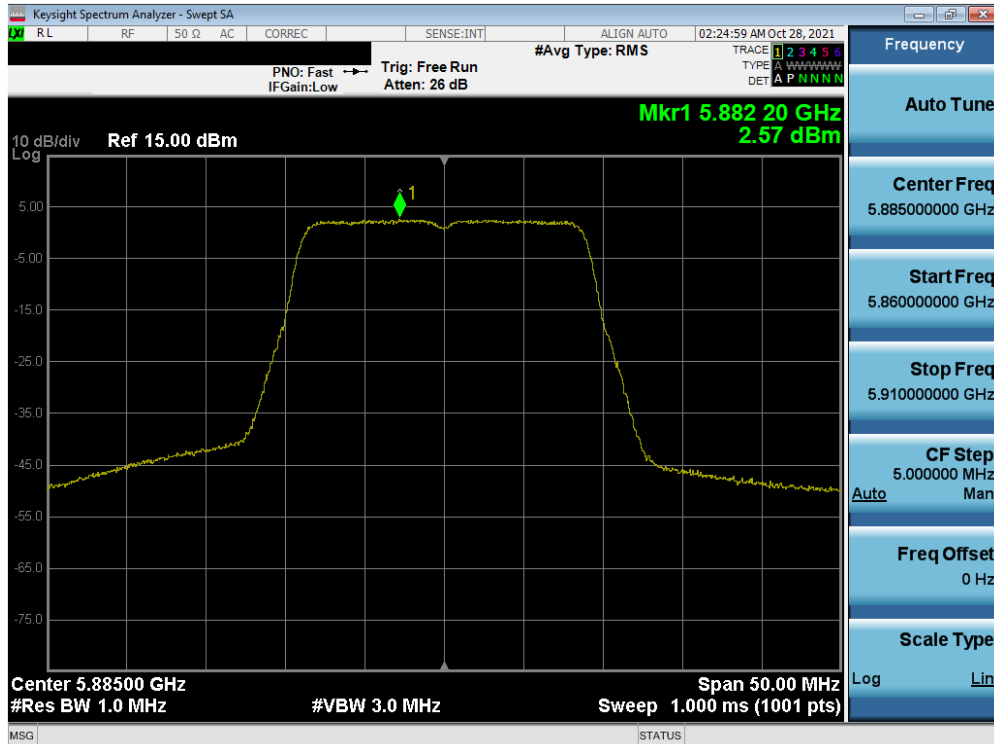


Plot 7-248. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3/4) – Ch. 169)

FCC ID: A3LSMS908JPN	Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 155 of 257



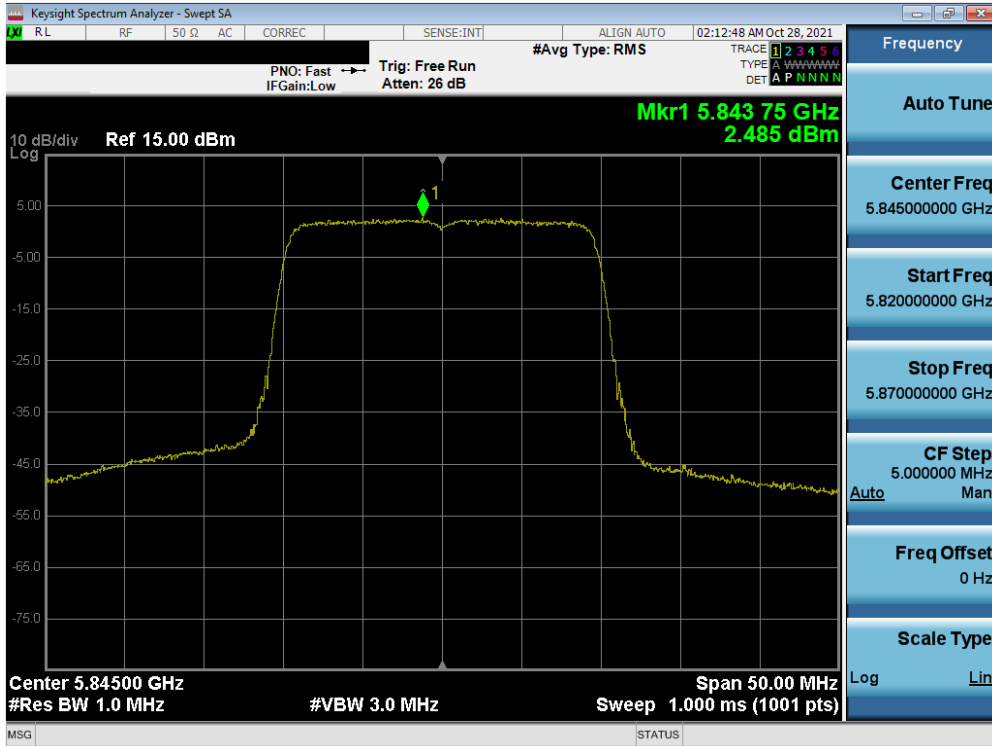
Plot 7-249. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 4) – Ch. 173)



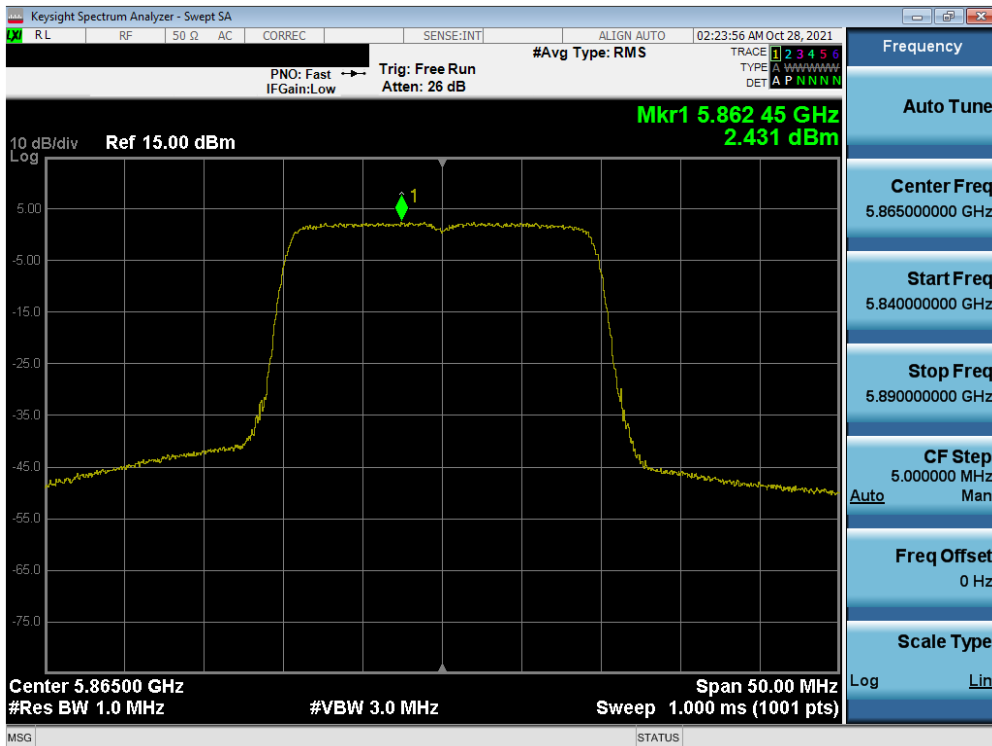
Plot 7-250. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 4) – Ch. 177)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 156 of 257



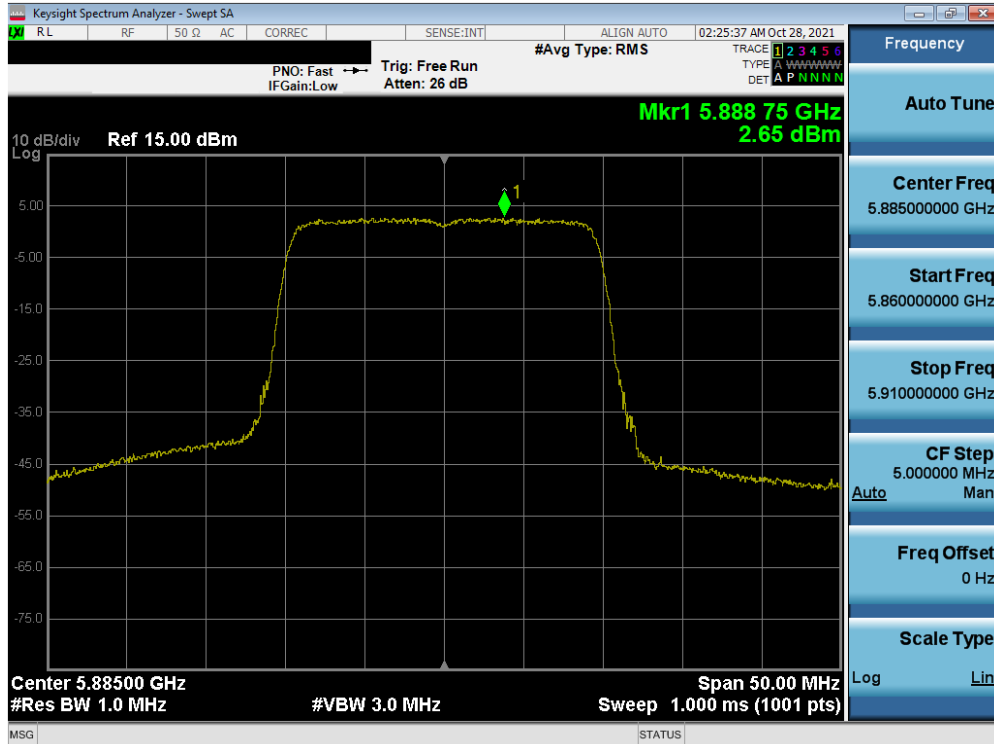


Plot 7-251. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3/4) – Ch. 169)

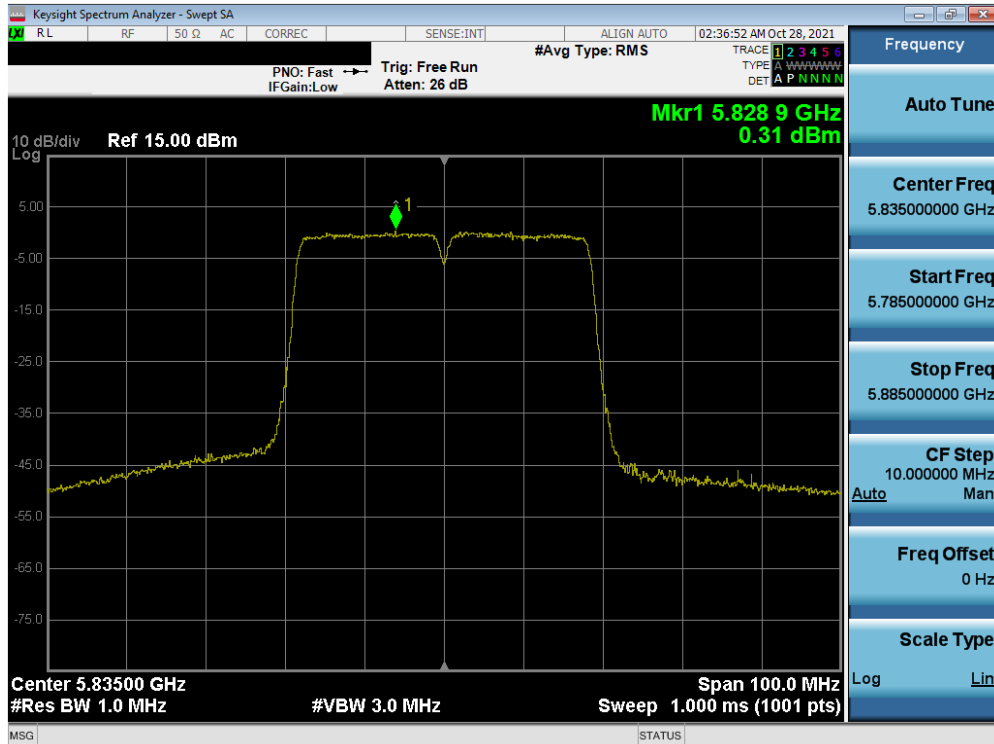


Plot 7-252. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 4) – Ch. 173)

FCC ID: A3LSMS908JPN		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 157 of 257

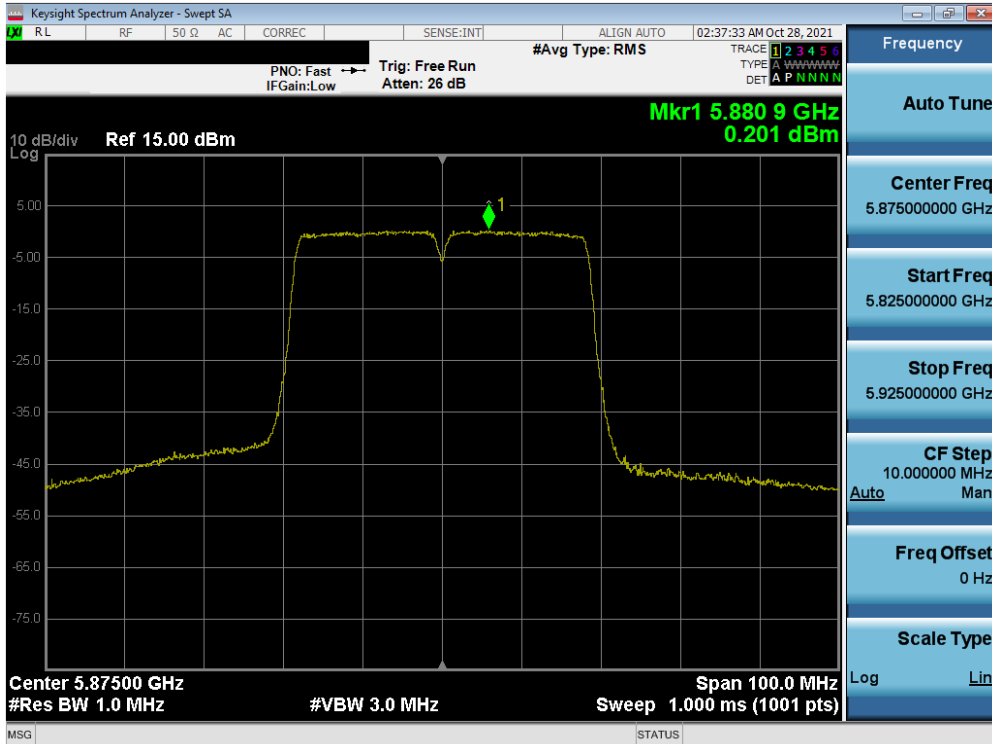


Plot 7-253. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 4) – Ch. 177)

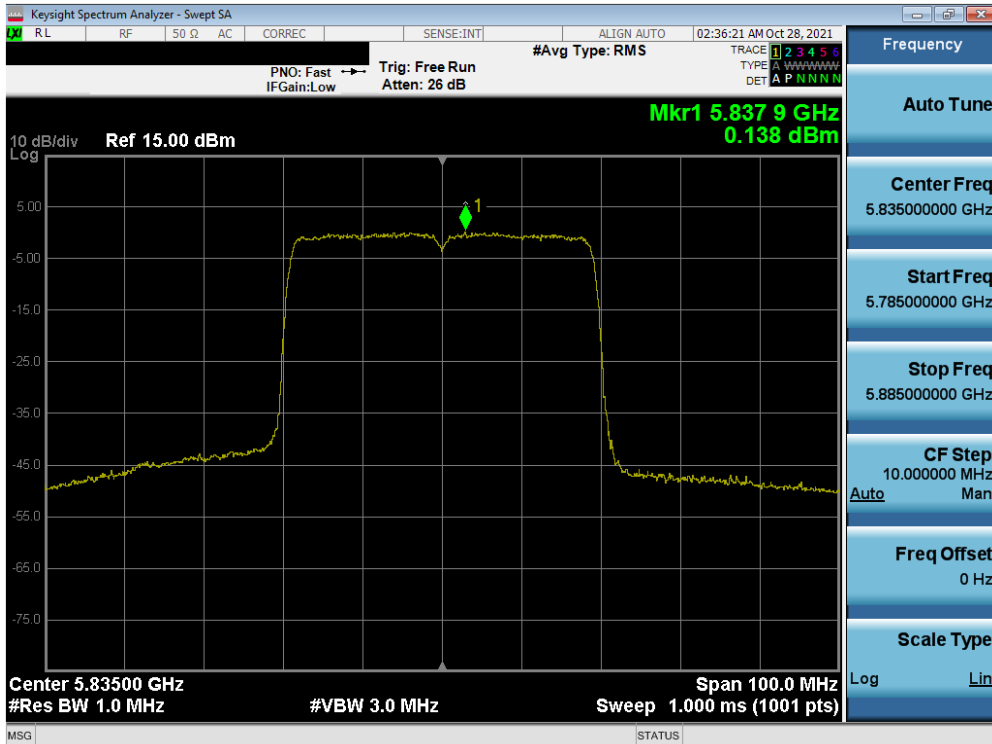


Plot 7-254. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3/4) – Ch. 167)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 158 of 257

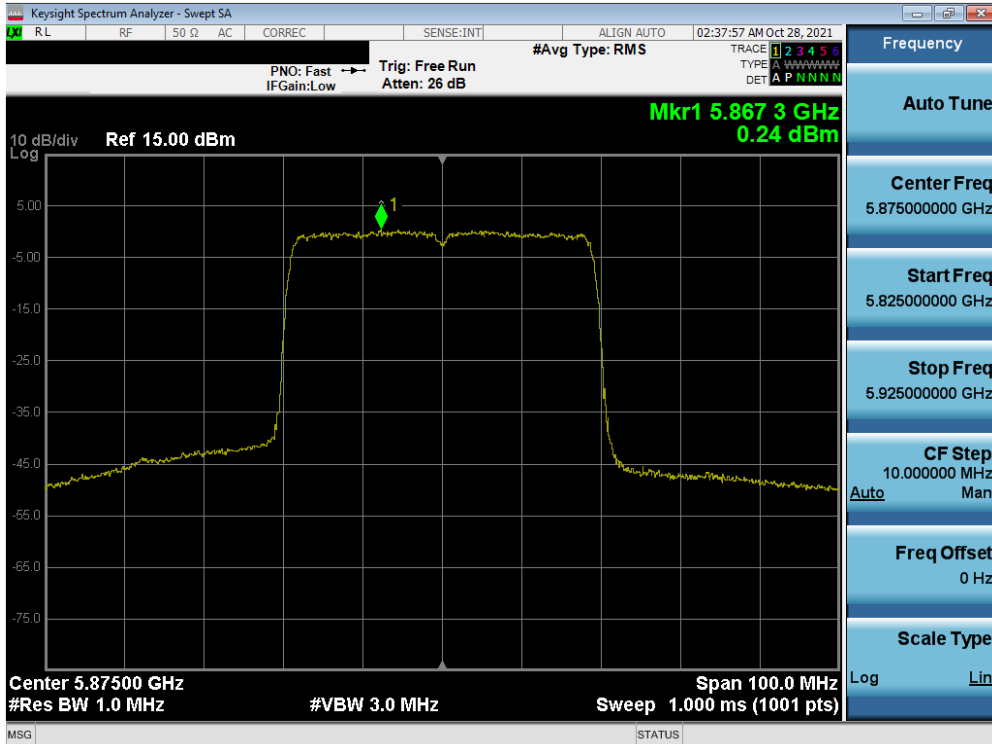


Plot 7-255. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 4) – Ch. 175)

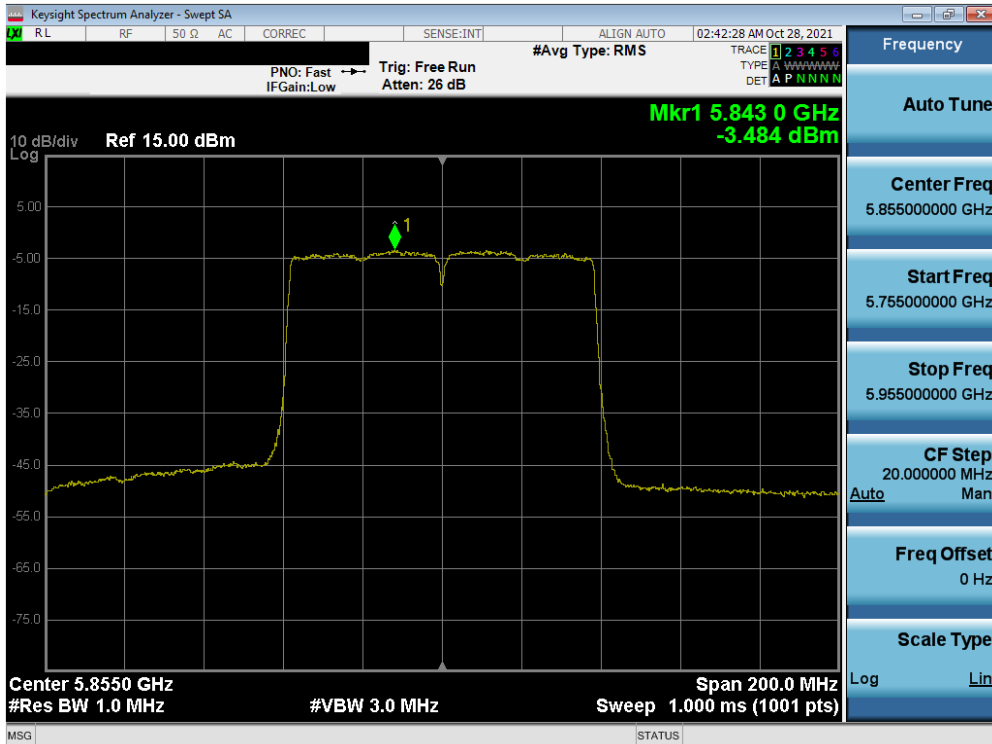


Plot 7-256. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3/4) – Ch. 167)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 159 of 257

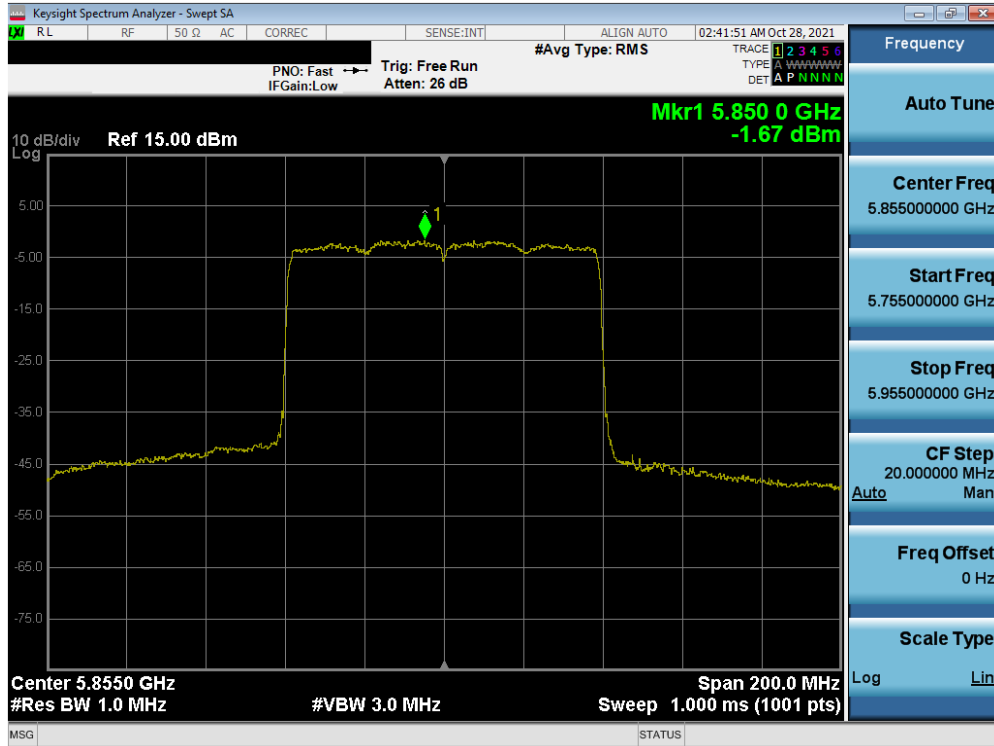


Plot 7-257. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 4) – Ch. 175)

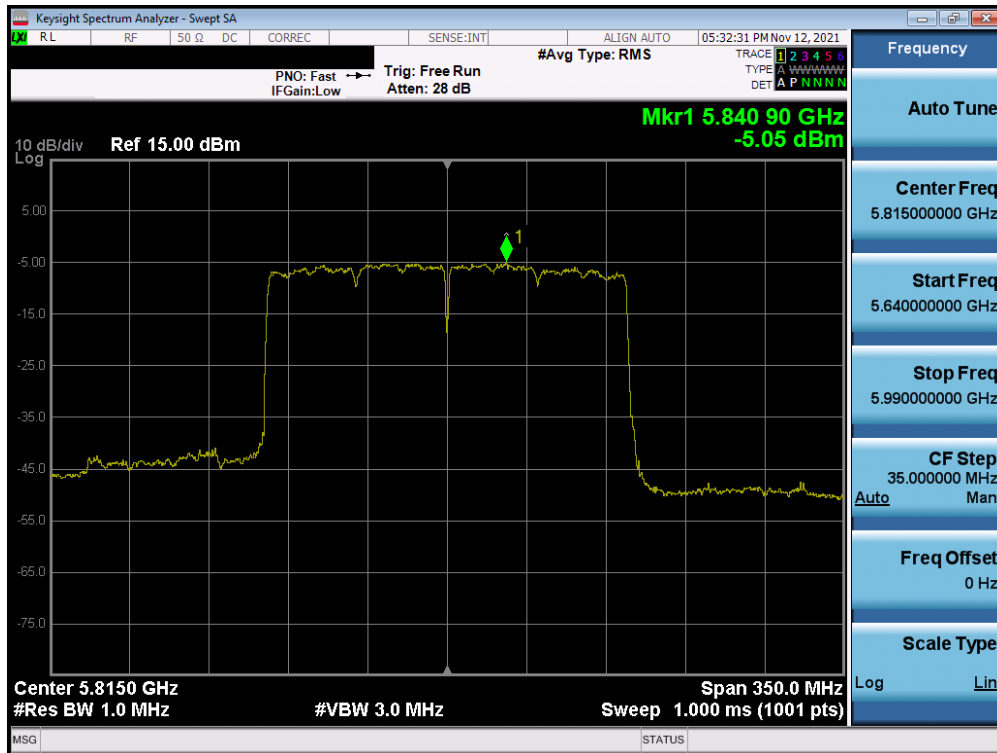


Plot 7-258. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3/4) – Ch. 171)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 160 of 257



Plot 7-259. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 3/4) – Ch. 171)



Plot 7-260. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ac (UNII Band 3/4) – Ch. 163)

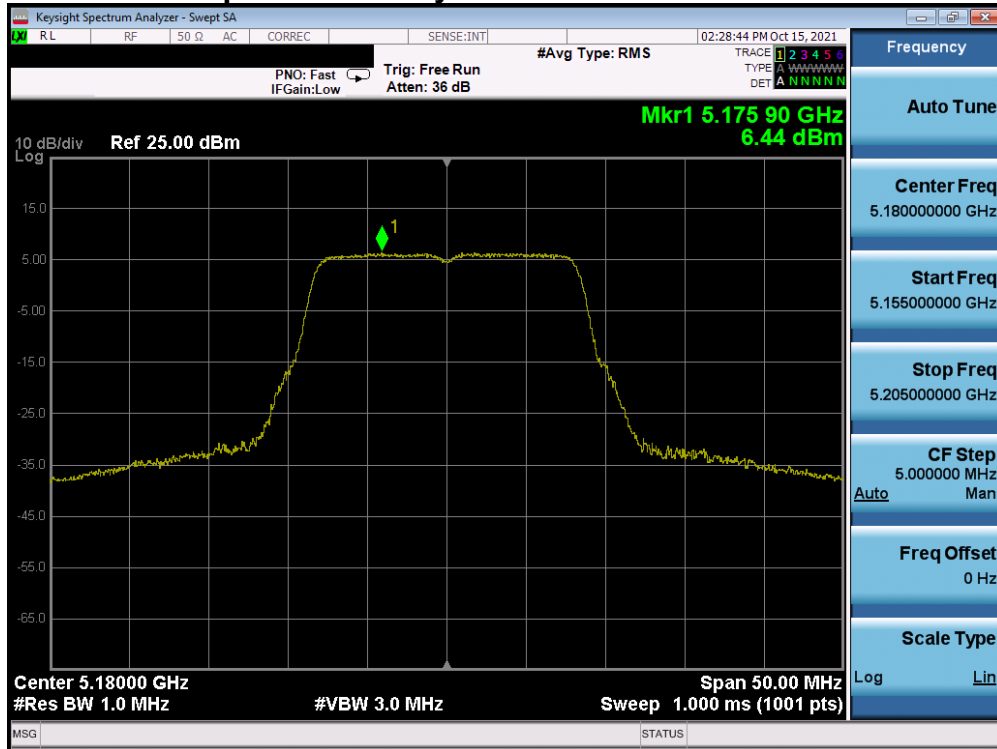
FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 161 of 257



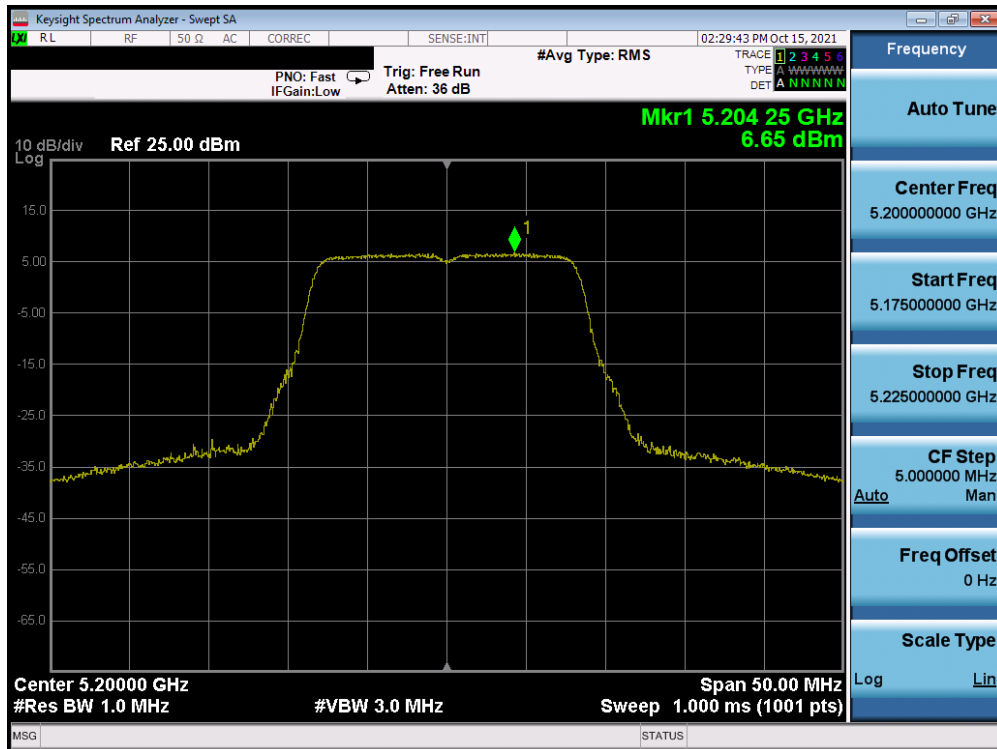
Plot 7-261. Power Spectral Density Plot MIMO ANT1 (160MHz BW 802.11ax (UNII Band 3/4) – Ch. 163)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 162 of 257

## MIMO Antenna-2 Power Spectral Density Measurements

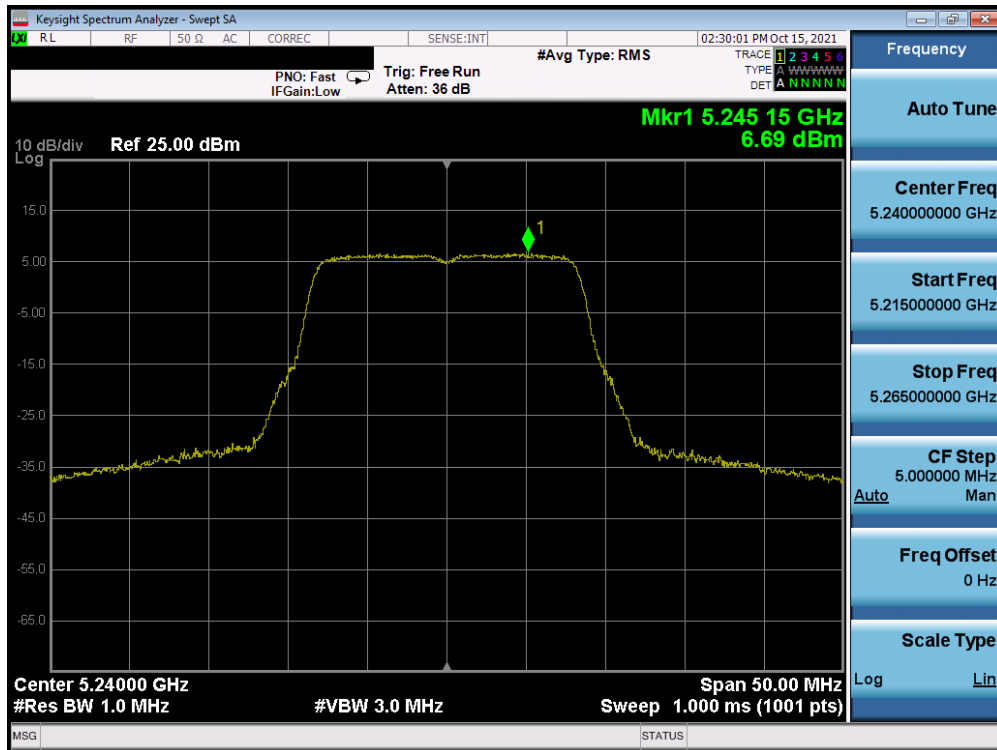


Plot 7-262. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 36)

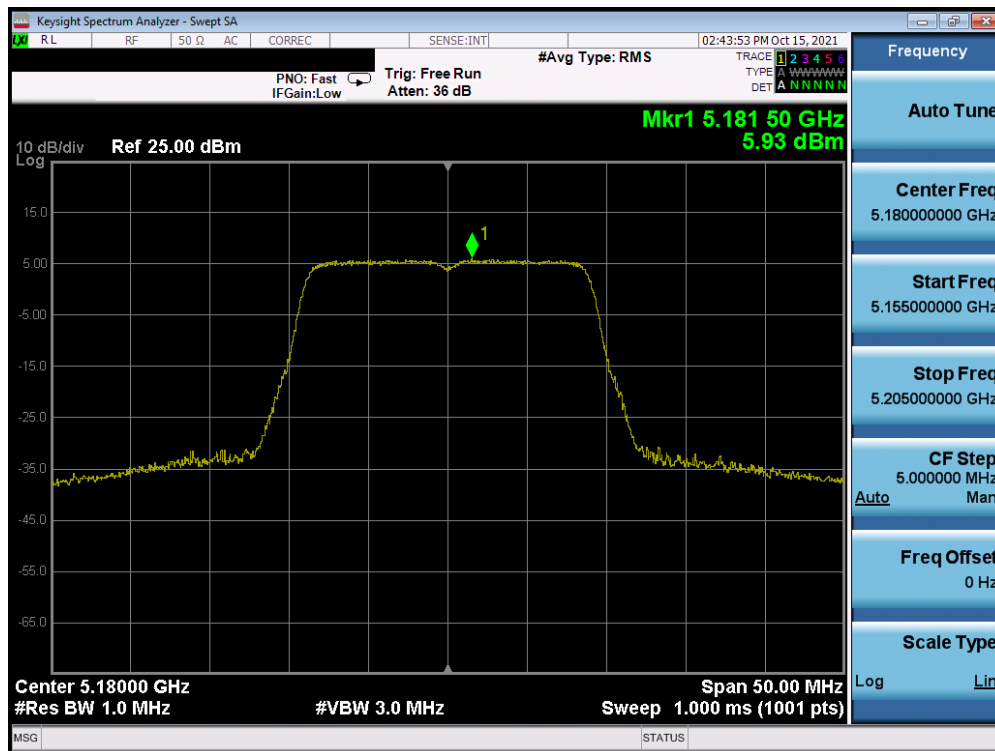


Plot 7-263. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 40)

FCC ID: A3LSMS908JPN	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 163 of 257



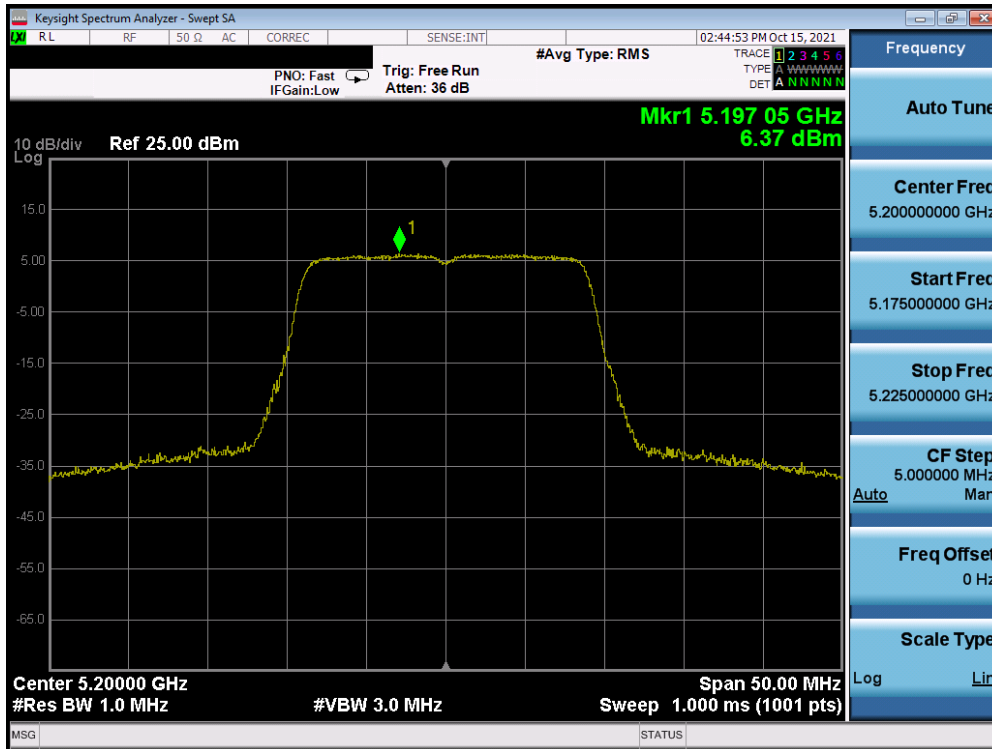
Plot 7-264. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 1) – Ch. 48)



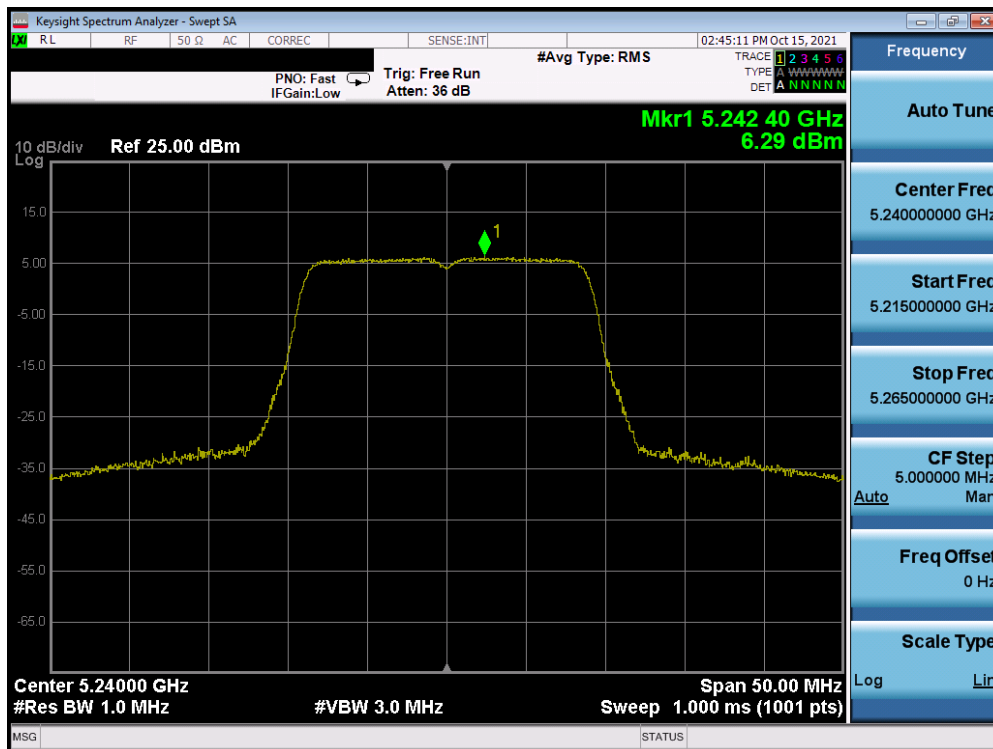
Plot 7-265. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 36)

FCC ID: A3LSMS908JPN	PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 164 of 257



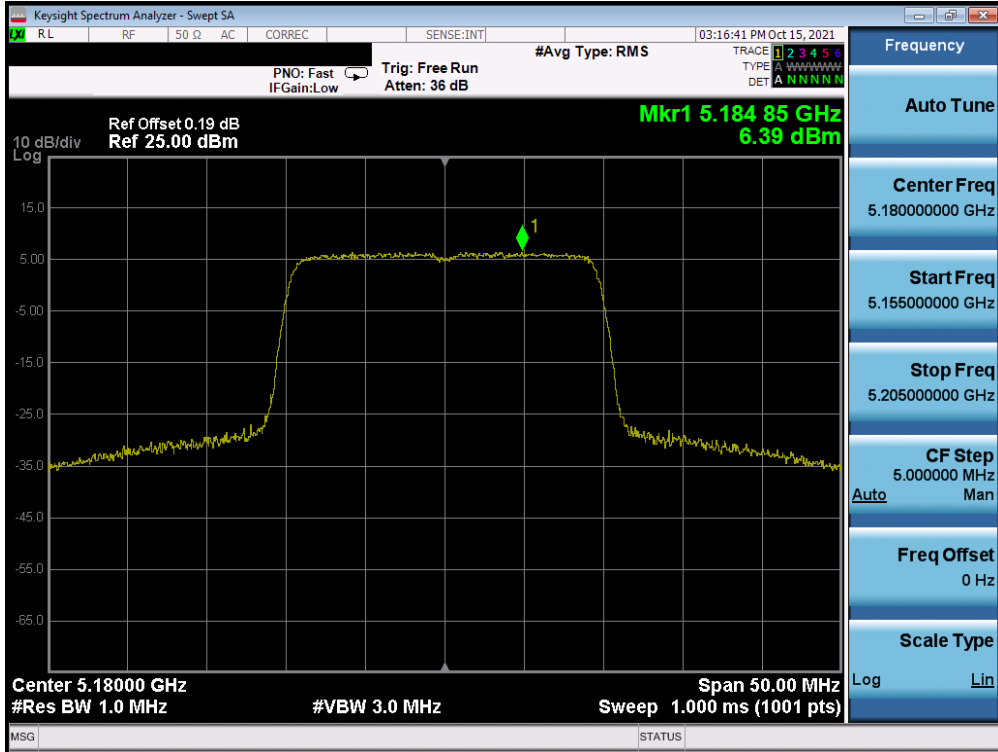


Plot 7-266. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 40)

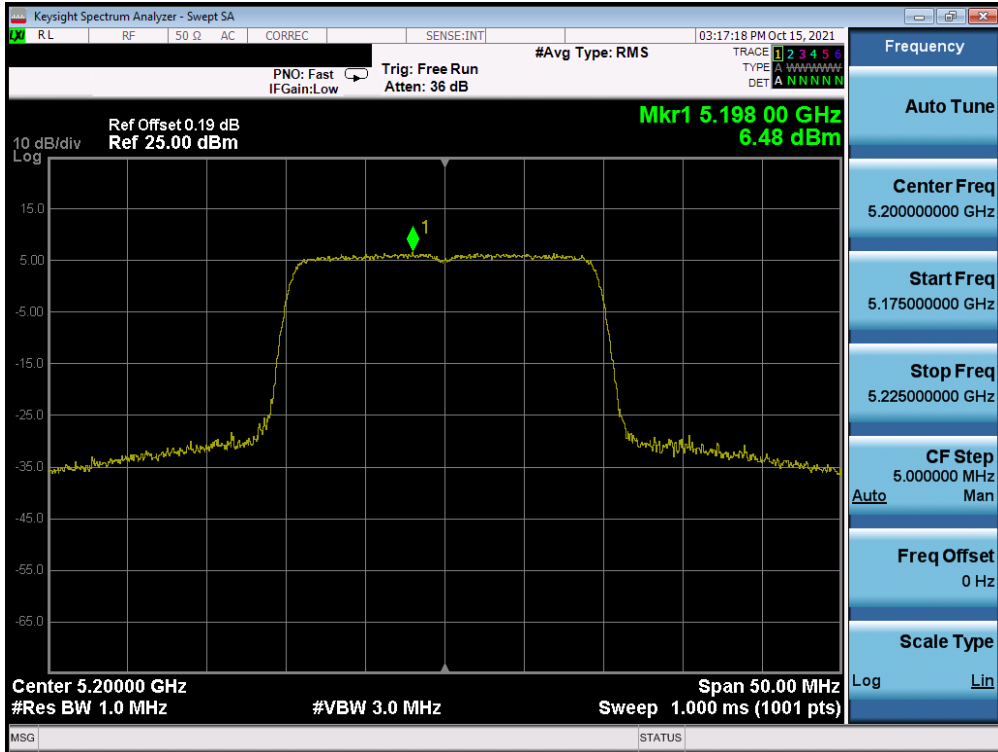


Plot 7-267. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 1) – Ch. 48)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 165 of 257

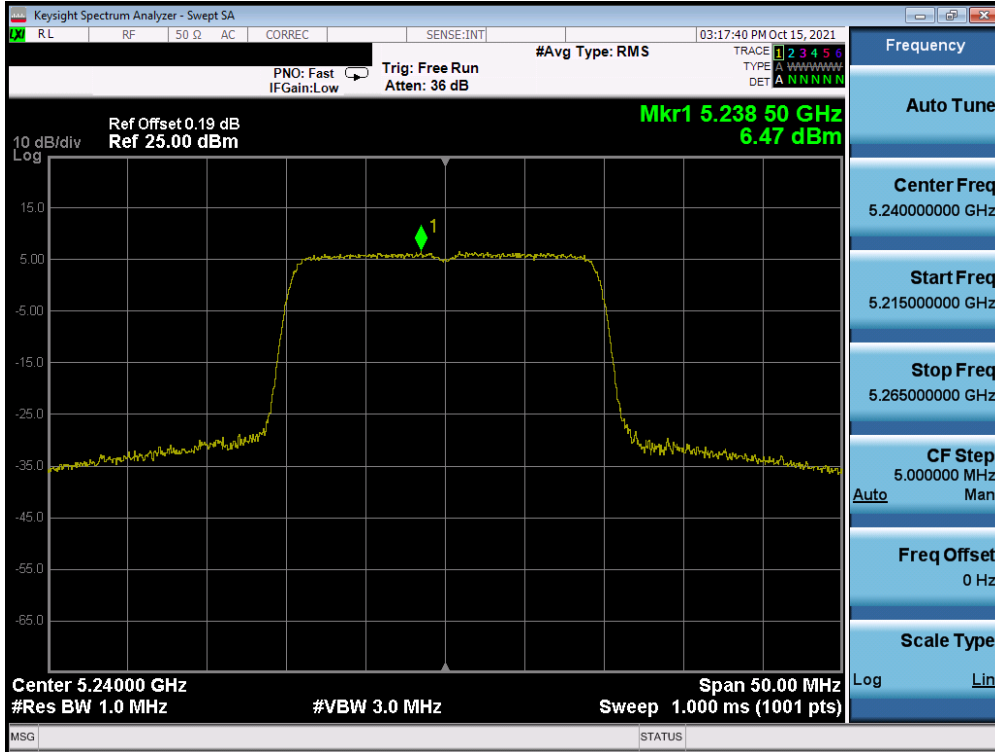


Plot 7-268. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) – Ch. 36)

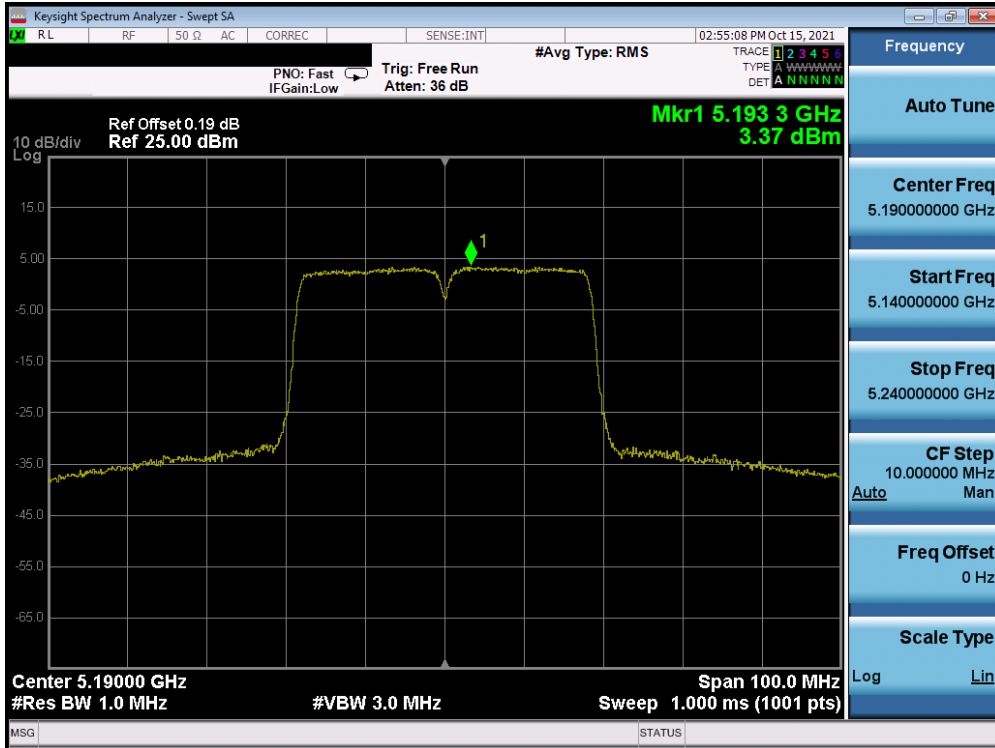


Plot 7-269. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) – Ch. 40)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 166 of 257

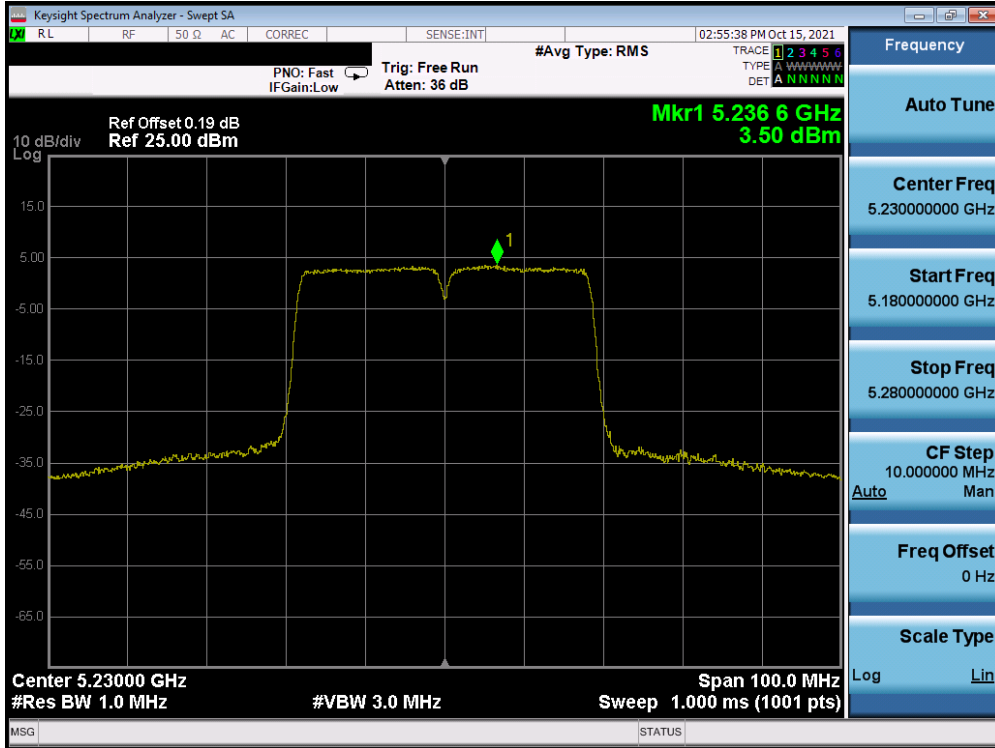


Plot 7-270. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 1) – Ch. 48)

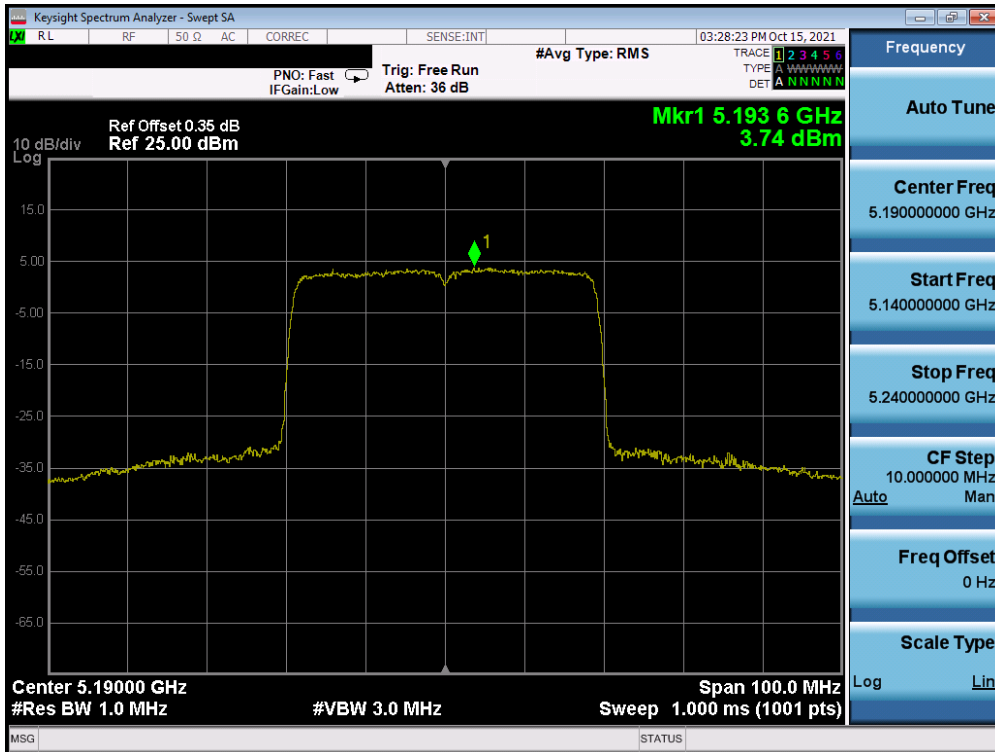


Plot 7-271. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 38)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 167 of 257

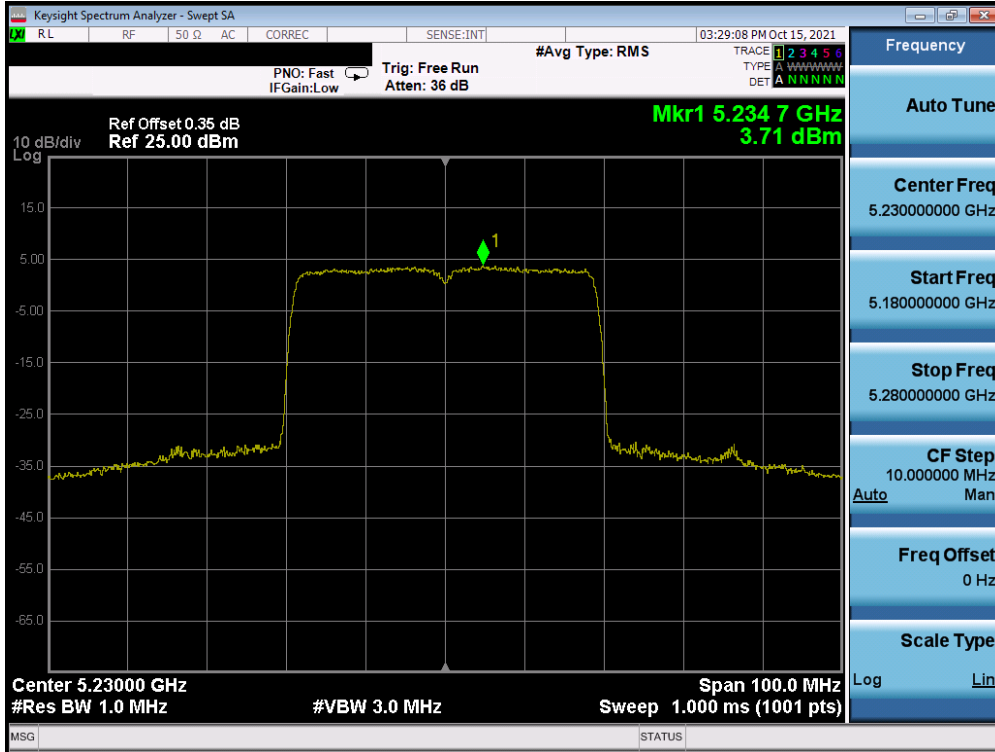


Plot 7-272. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 1) – Ch. 46)

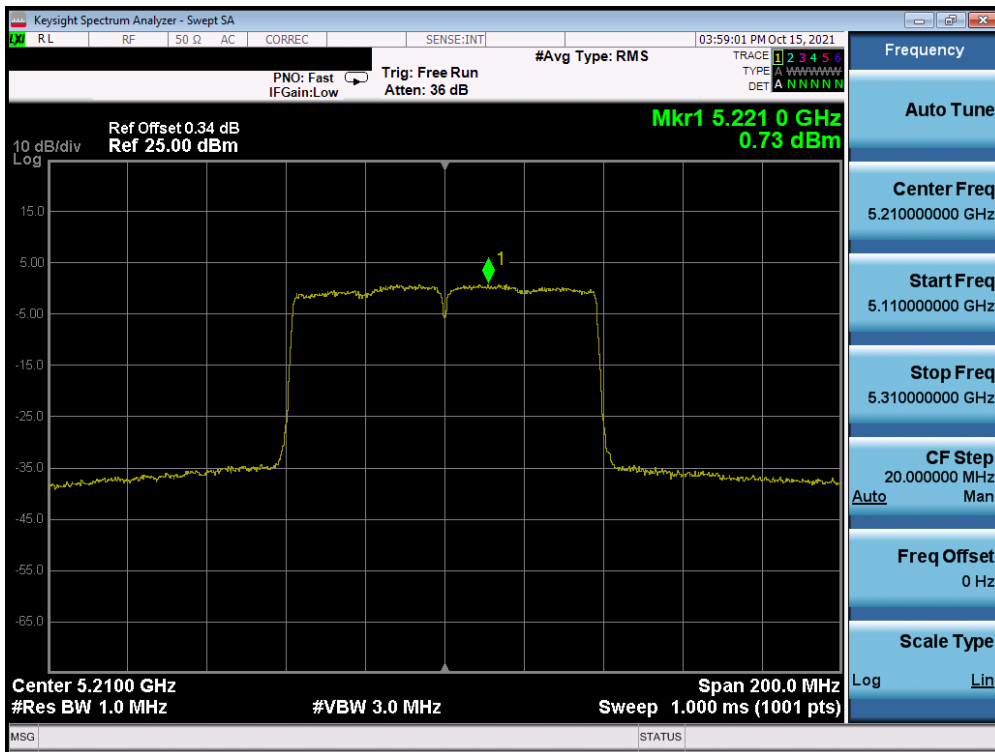


Plot 7-273. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 1) – Ch. 38)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 168 of 257

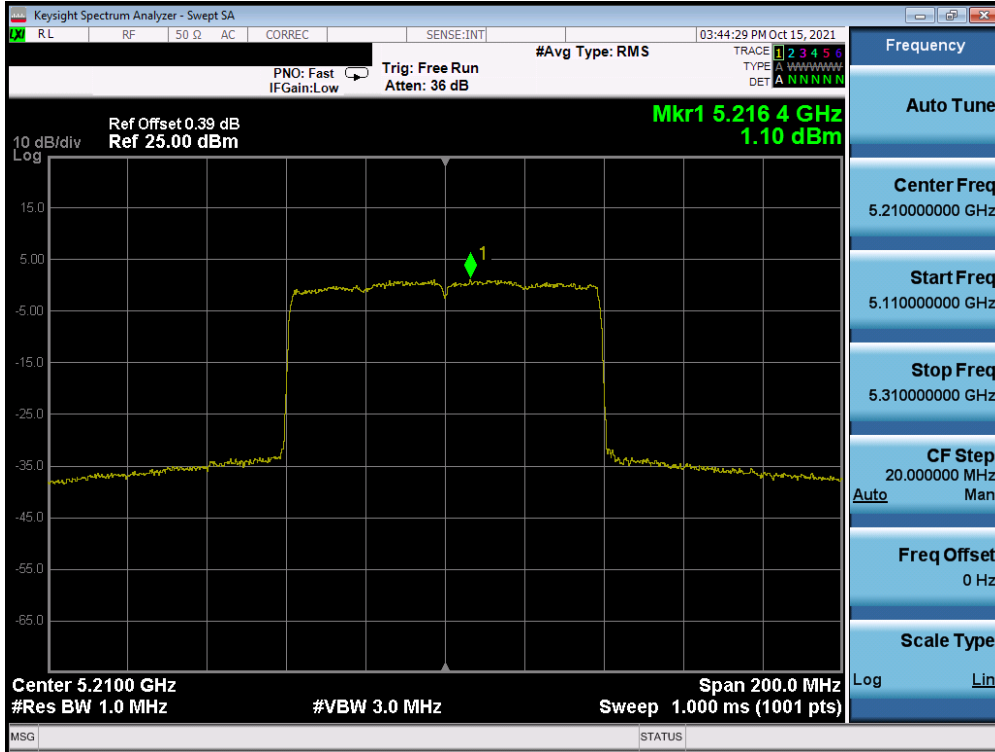


Plot 7-274. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 1) – Ch. 46)

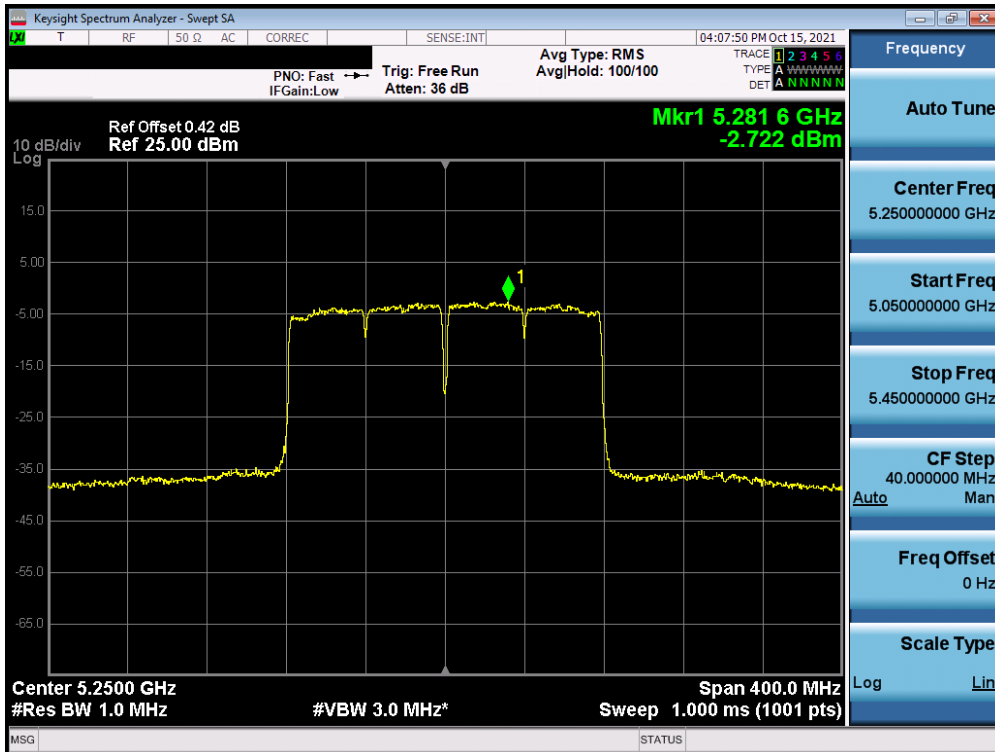


Plot 7-275. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 1) – Ch. 42)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 169 of 257

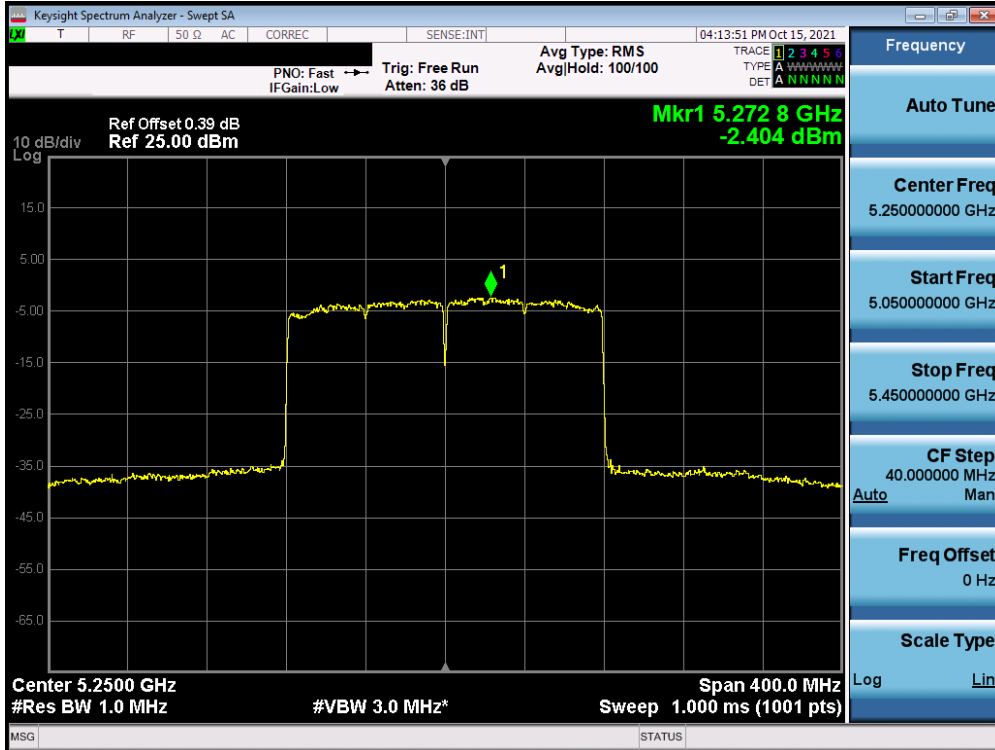


Plot 7-276. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 1) – Ch. 42)

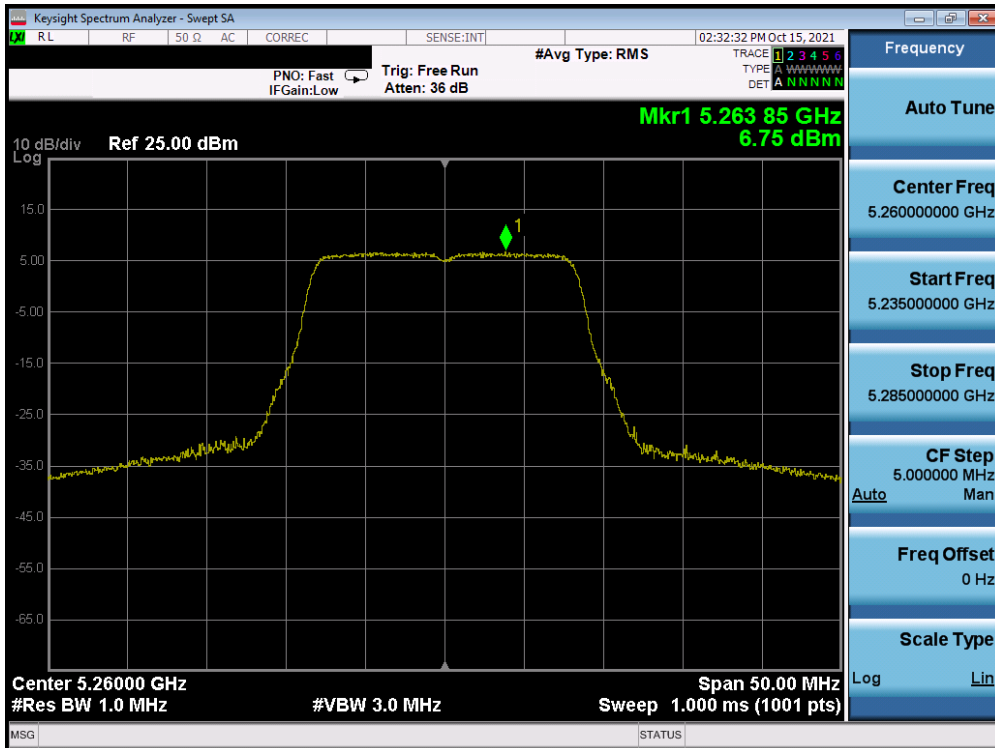


Plot 7-277. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 1/2A) – Ch. 50)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 170 of 257

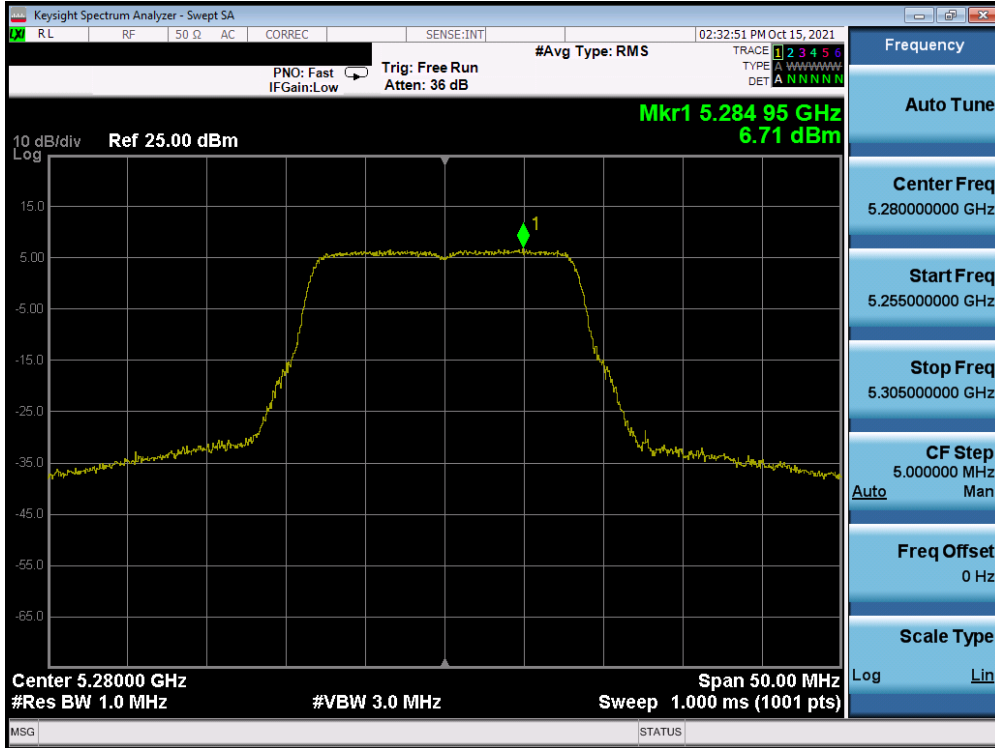


Plot 7-278. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 1/2A) – Ch. 50)

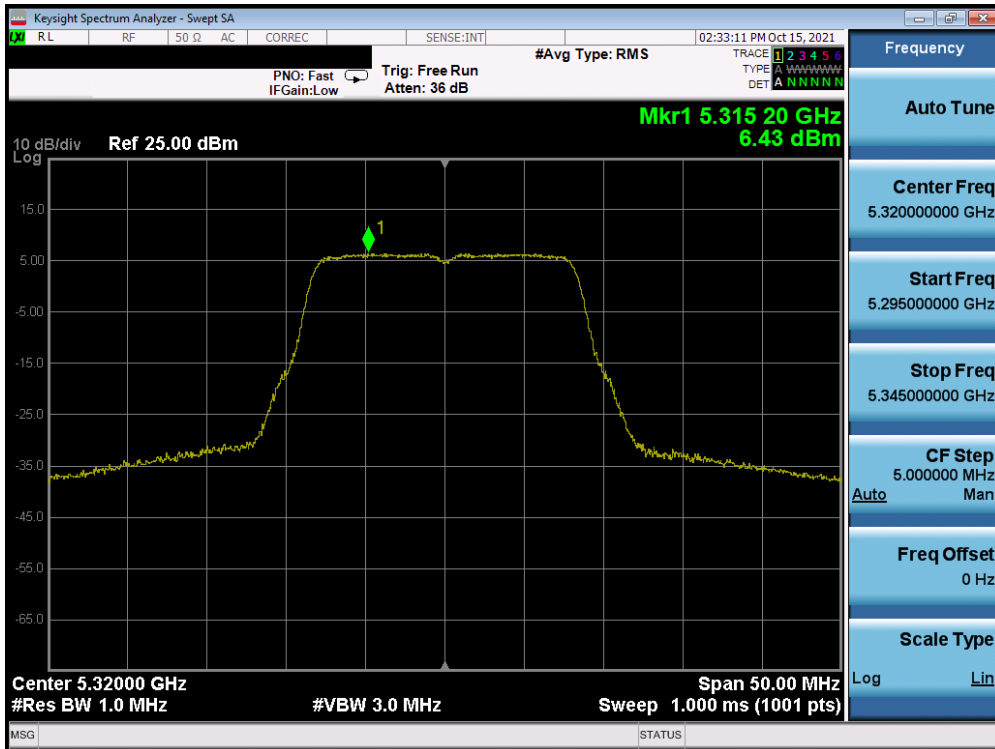


Plot 7-279. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) – Ch. 52)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 171 of 257



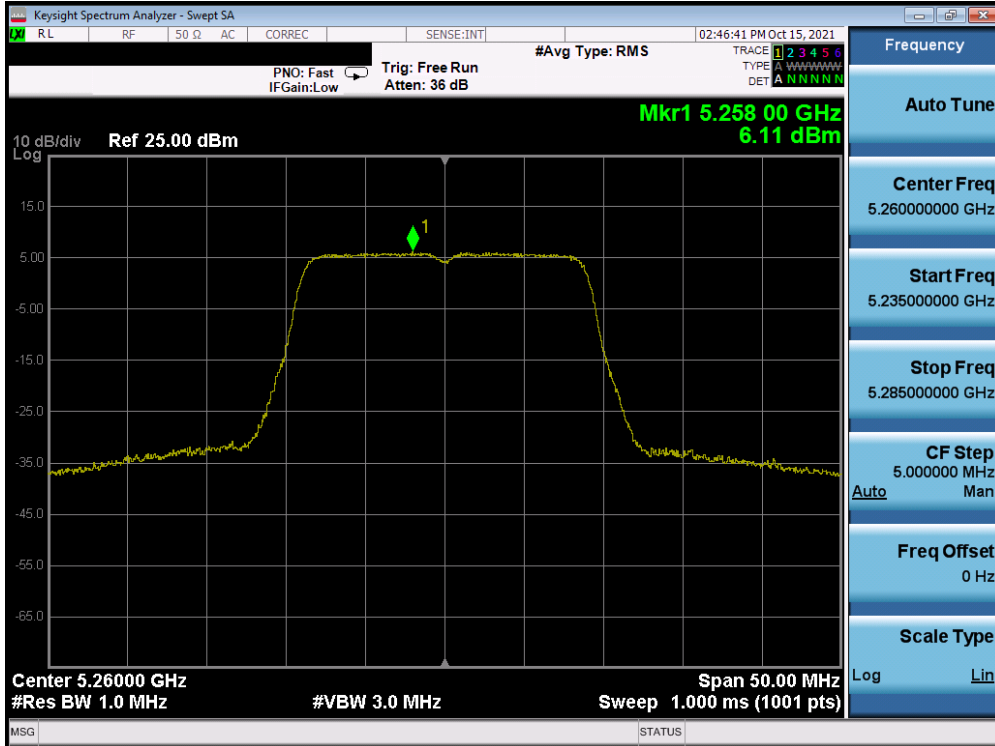
Plot 7-280. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) – Ch. 56)



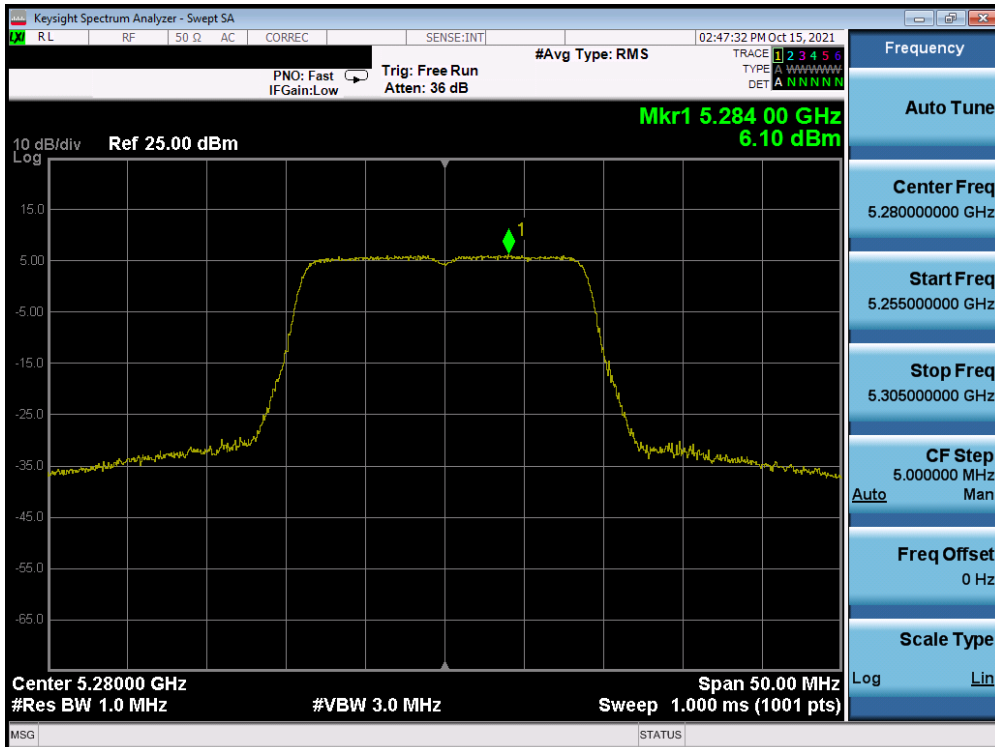
Plot 7-281. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2A) – Ch. 64)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 172 of 257



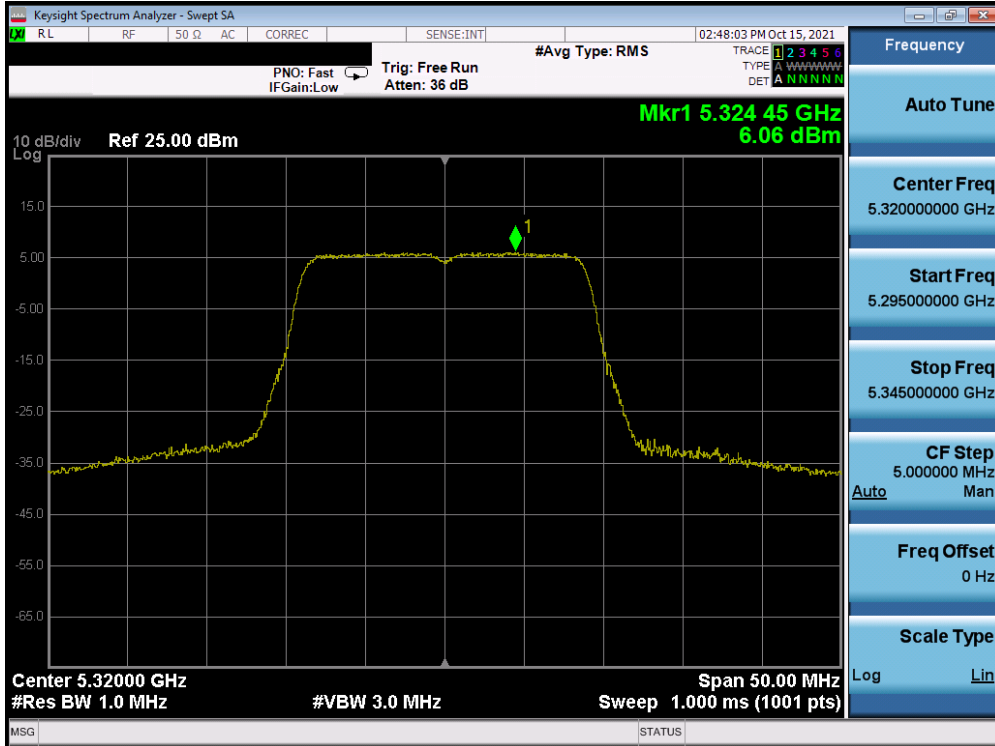


Plot 7-282. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 52)

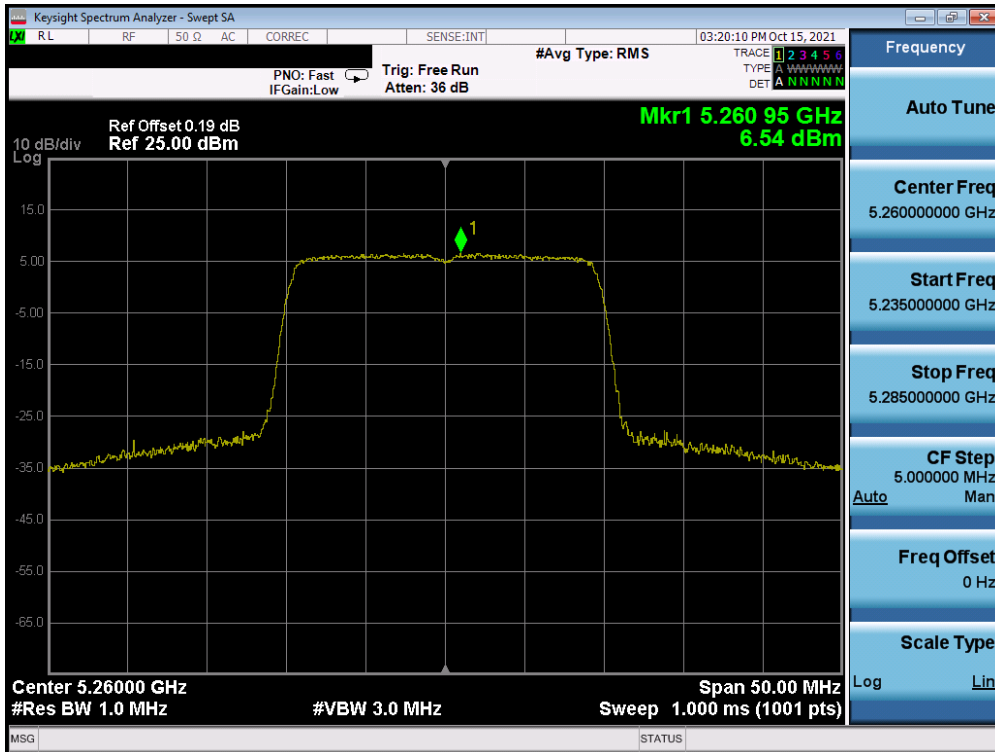


Plot 7-283. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 56)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 173 of 257

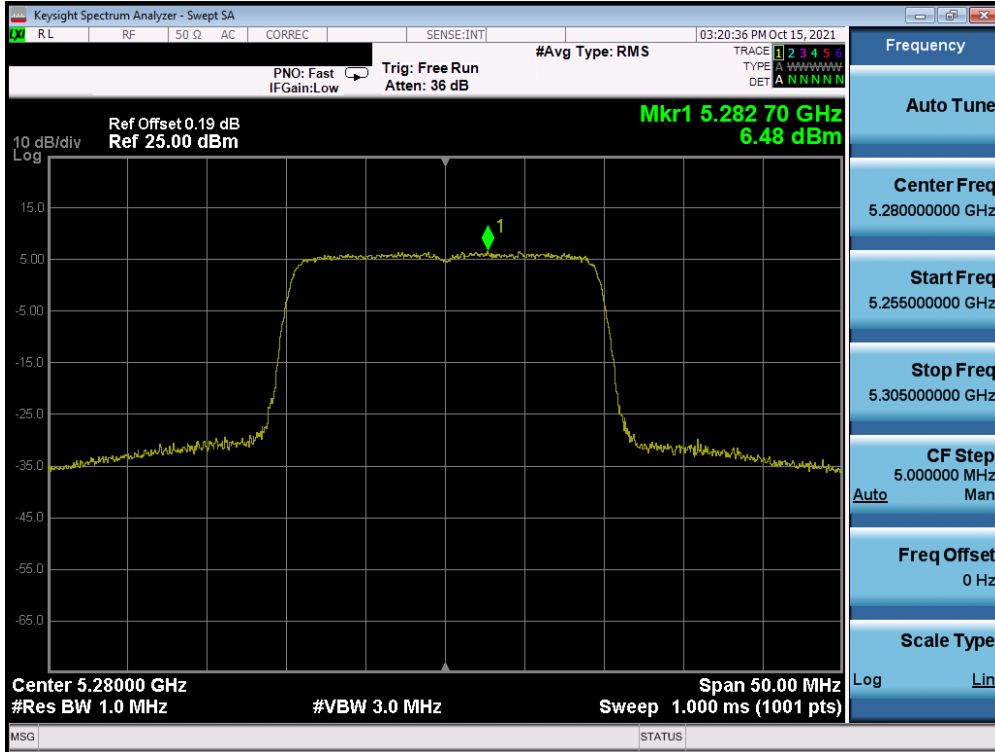


Plot 7-284. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2A) – Ch. 64)

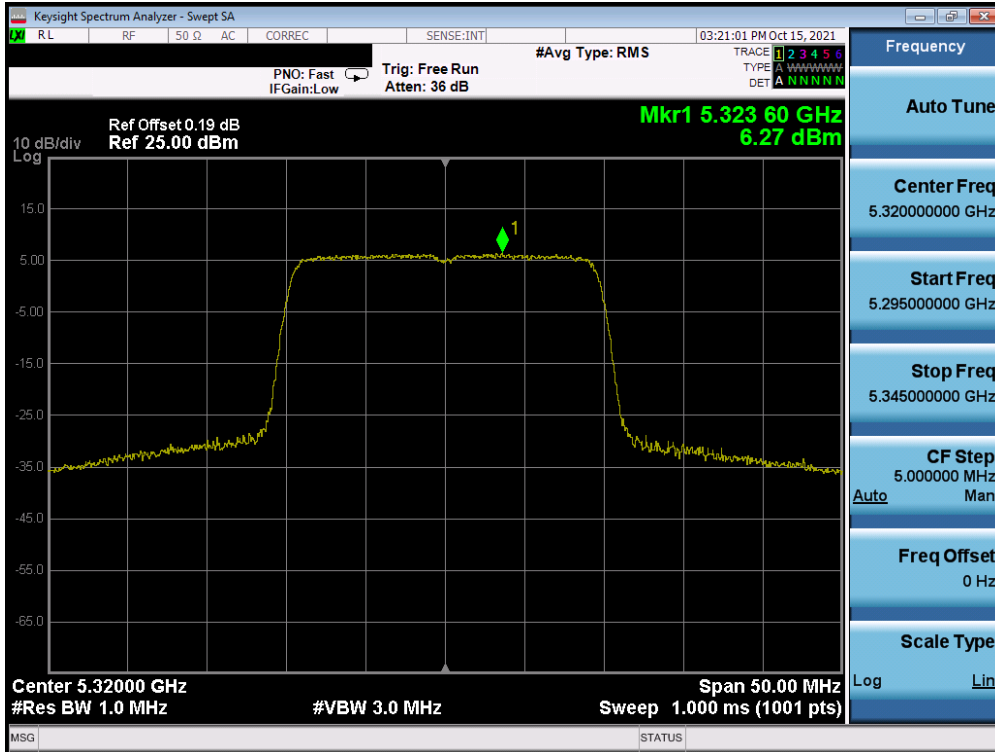


Plot 7-285. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) – Ch. 52)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 174 of 257

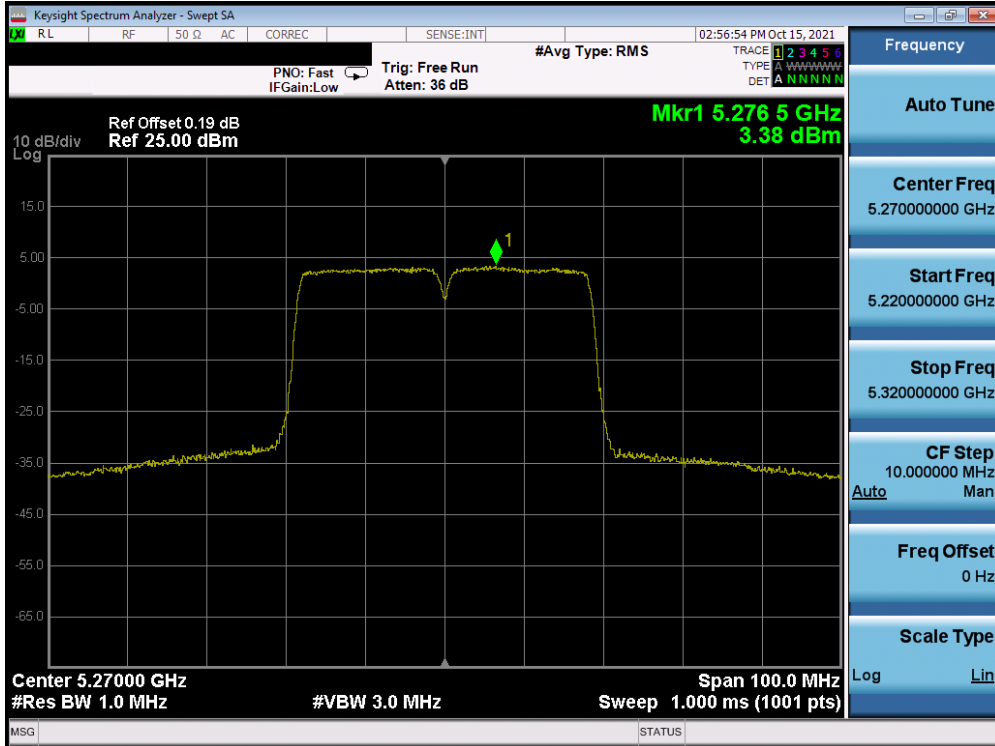


Plot 7-286. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) – Ch. 56)

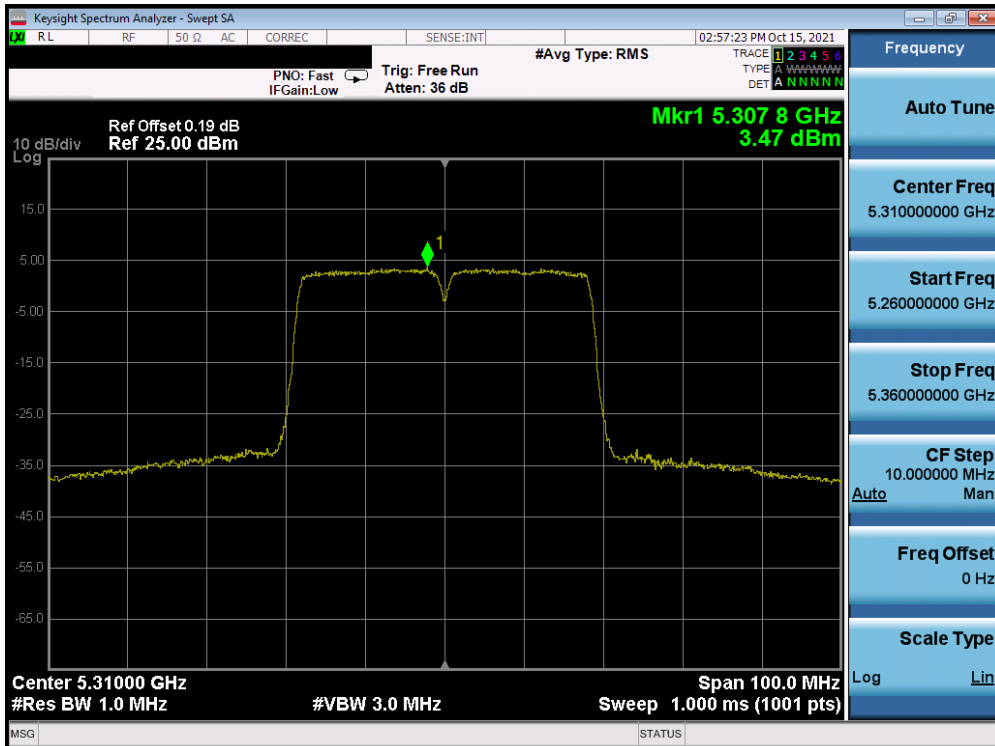


Plot 7-287. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2A) – Ch. 64)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 175 of 257

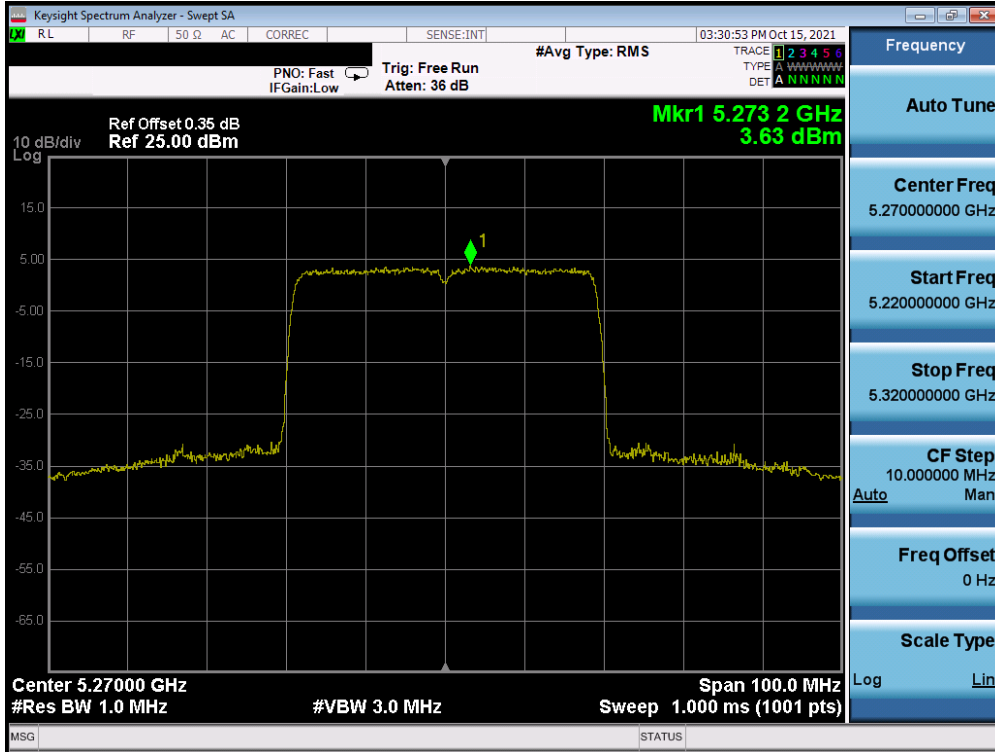


Plot 7-288. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 54)

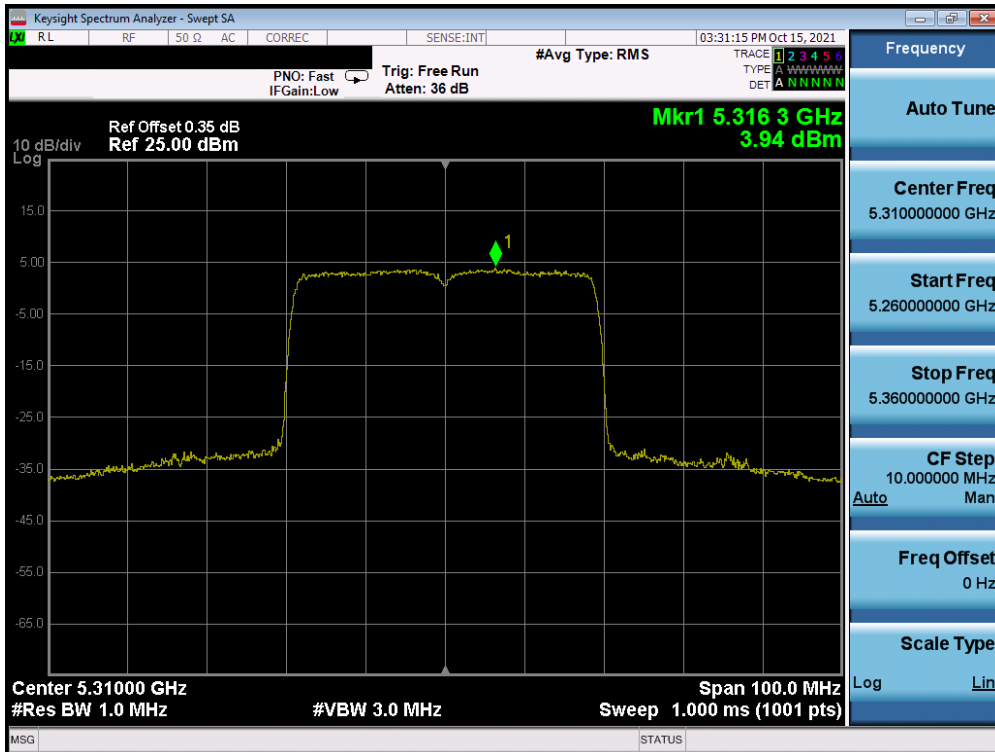


Plot 7-289. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2A) – Ch. 62)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 176 of 257

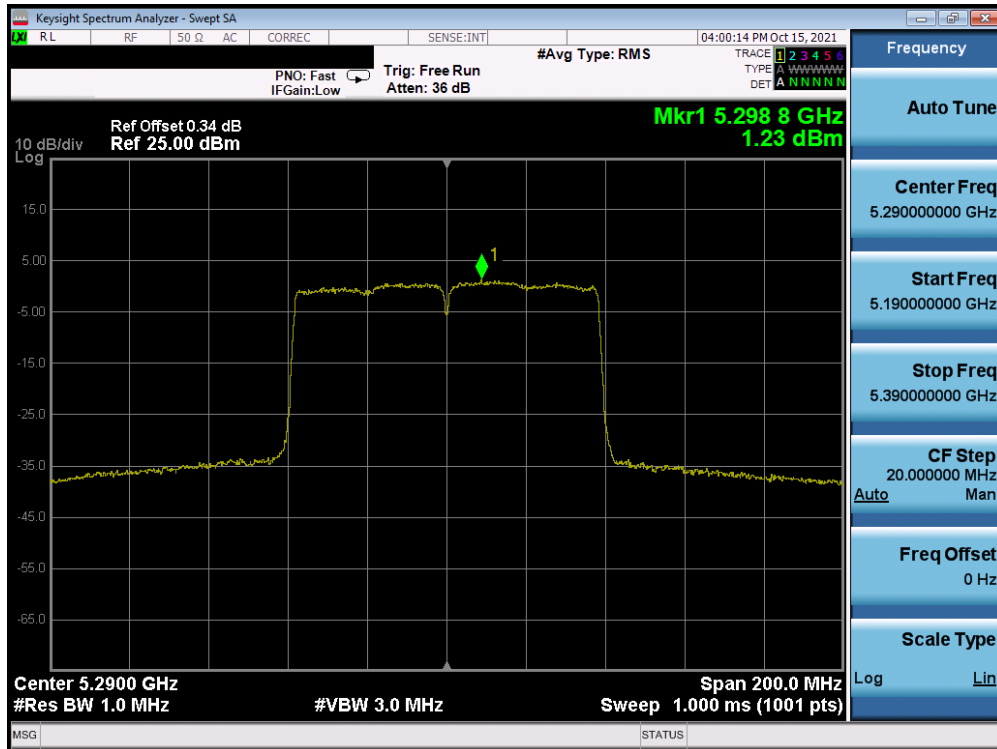


Plot 7-290. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2A) – Ch. 54)

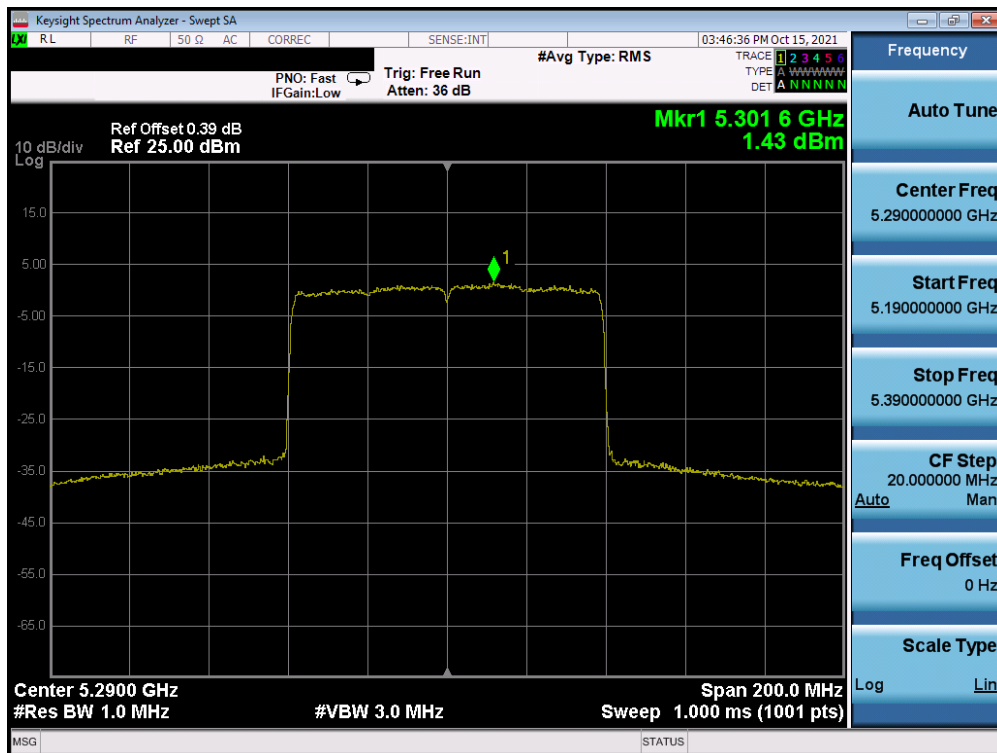


Plot 7-291. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2A) – Ch. 62)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 177 of 257

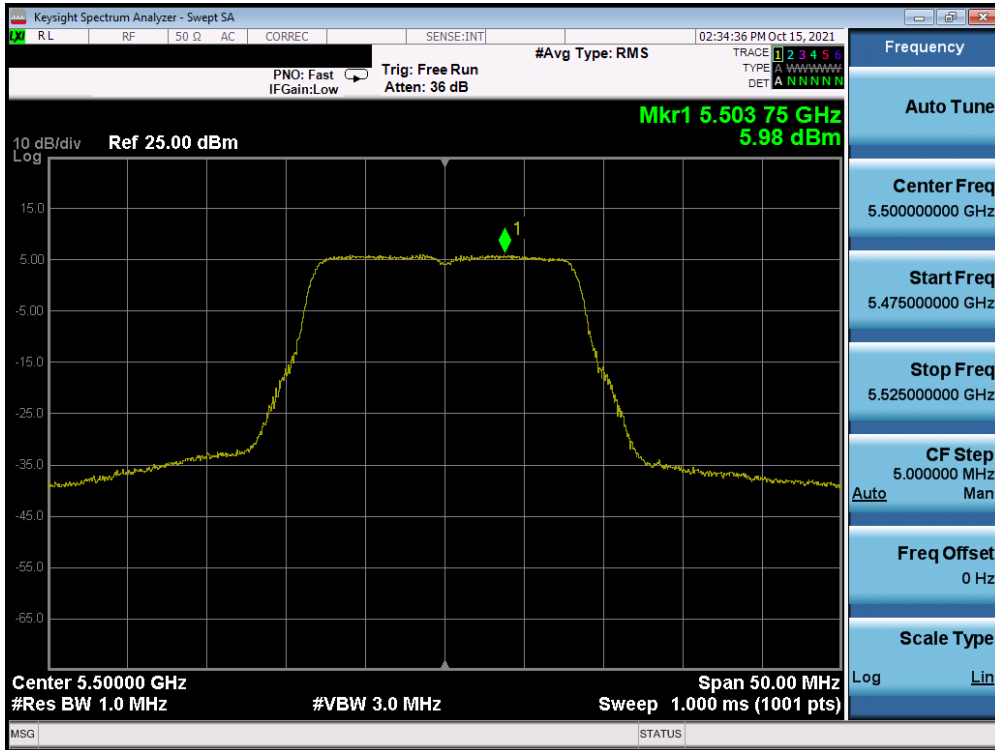


Plot 7-292. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2A) – Ch. 58)

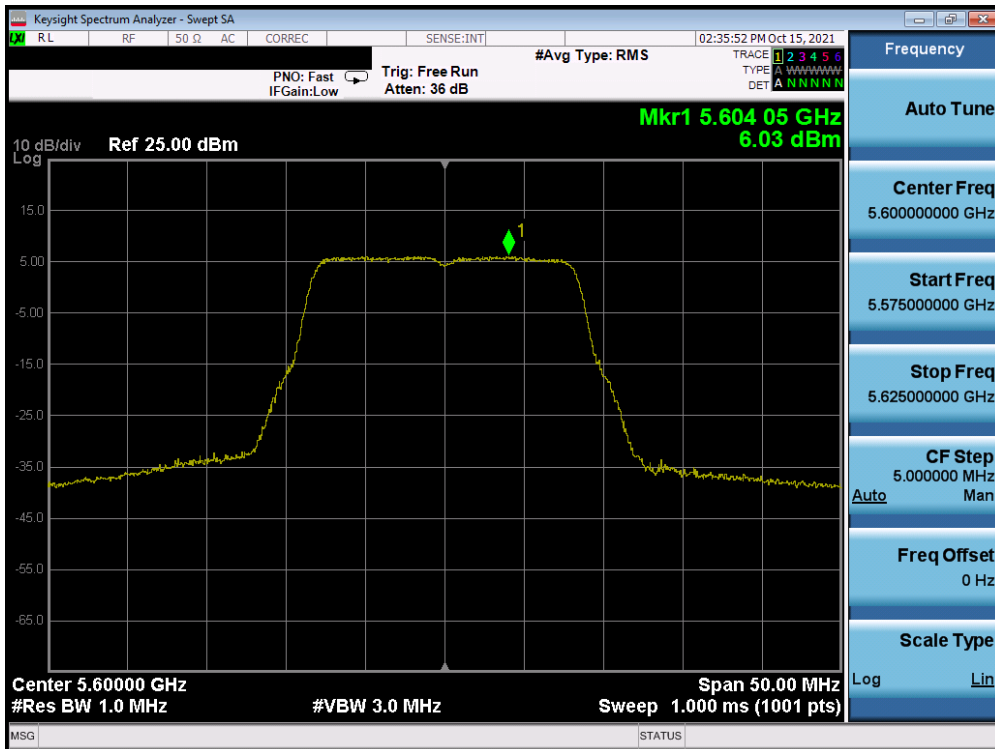


Plot 7-293. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2A) – Ch. 58)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 178 of 257

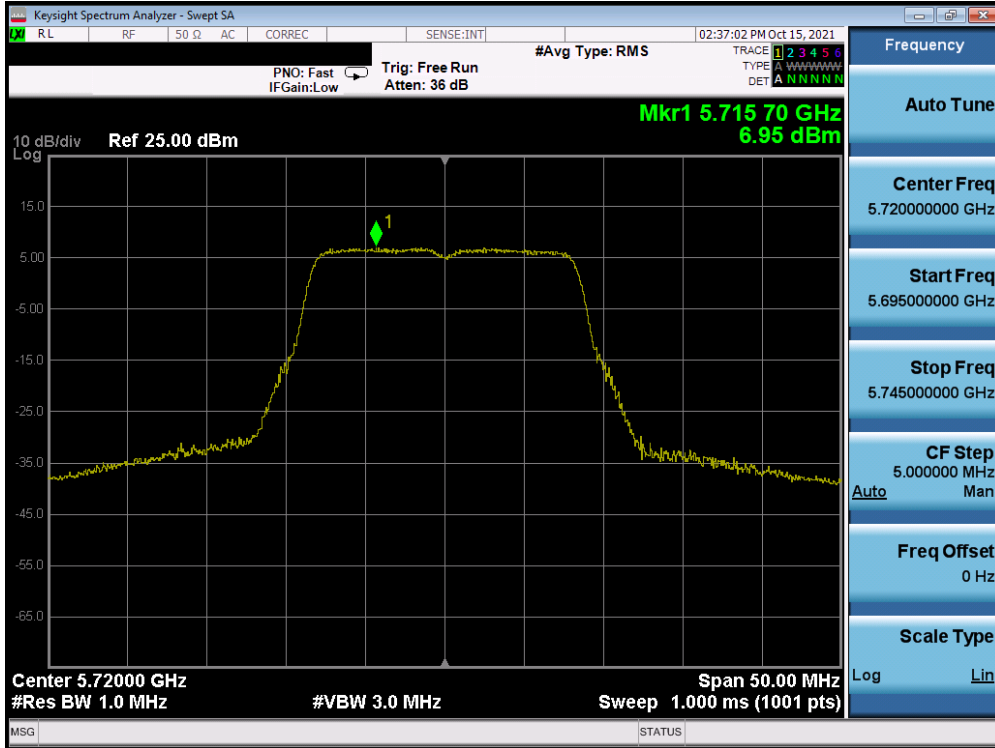


Plot 7-294. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 100)

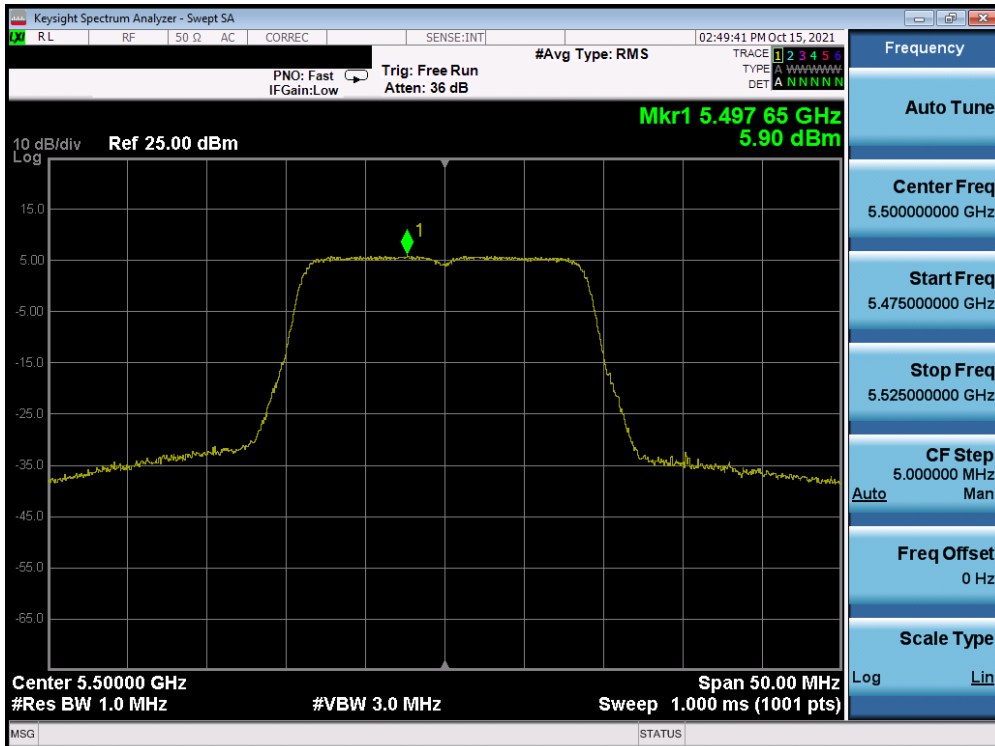


Plot 7-295. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMS908JPN	Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 179 of 257



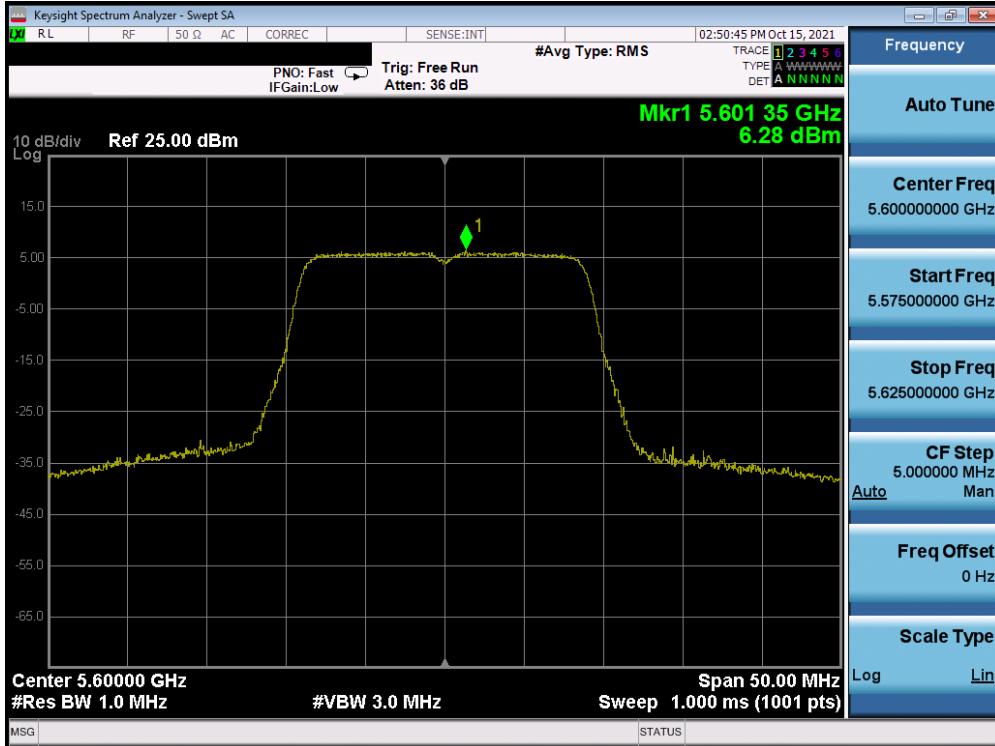
Plot 7-296. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 2C) – Ch. 144)



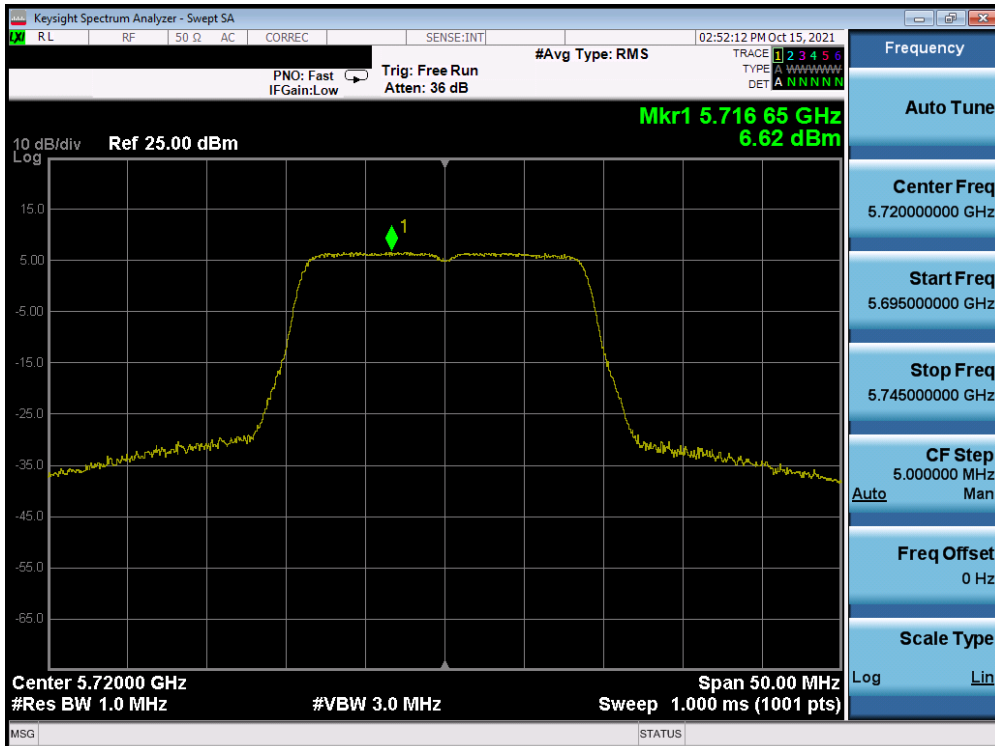
Plot 7-297. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 100)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 180 of 257



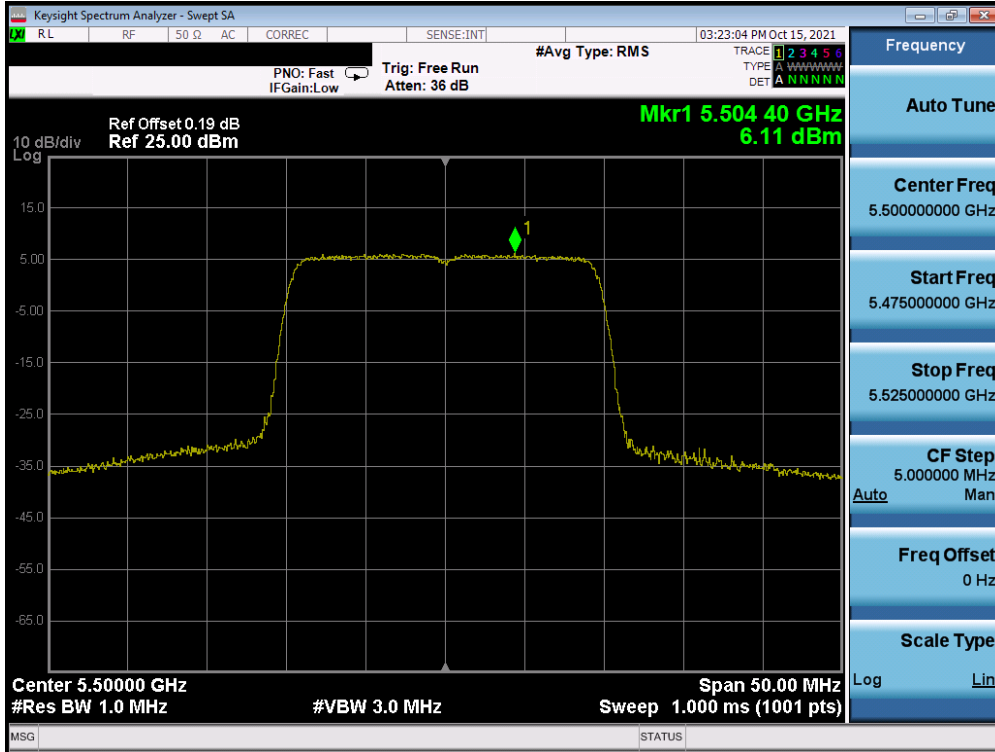


Plot 7-298. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 120)

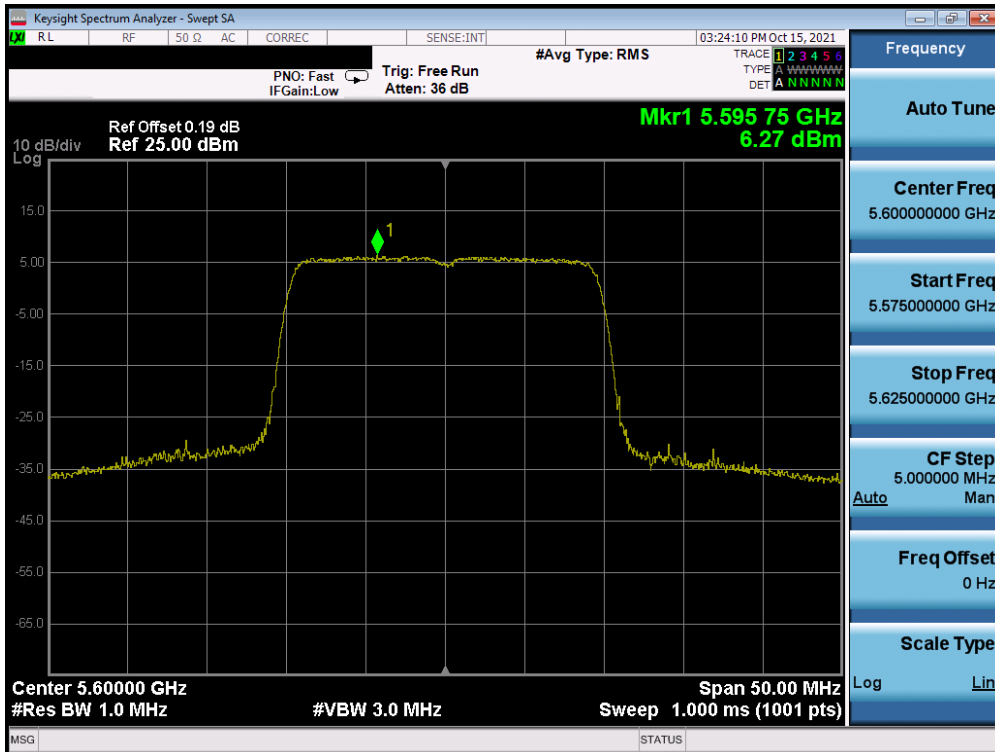


Plot 7-299. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 2C) – Ch. 144)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 181 of 257

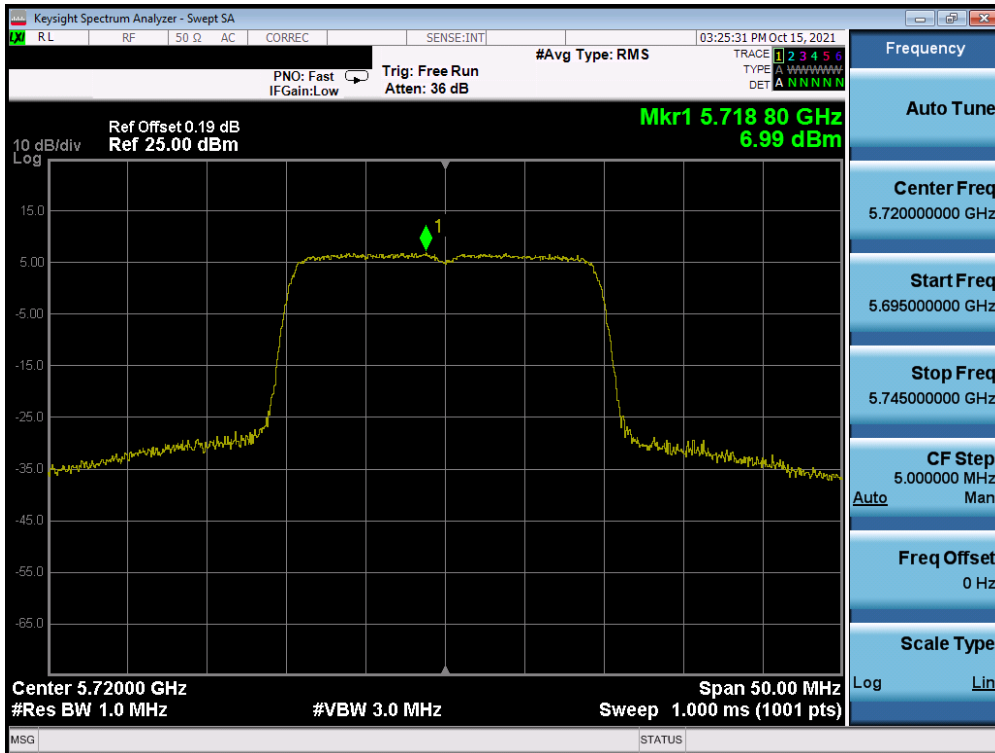


Plot 7-300. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 100)

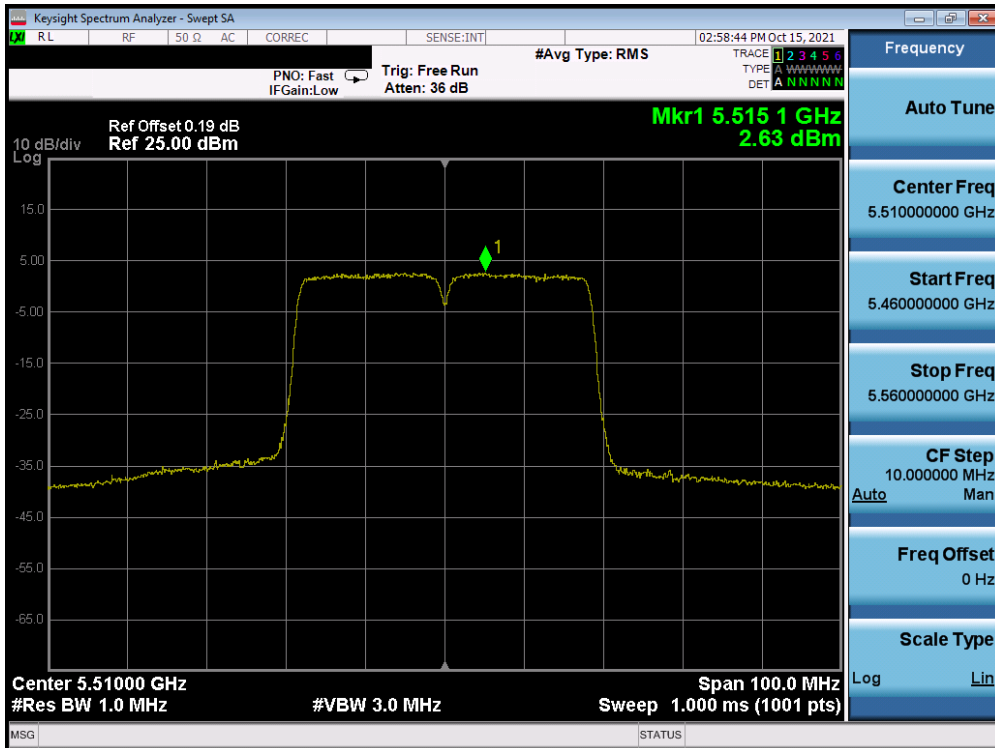


Plot 7-301. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 120)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 182 of 257

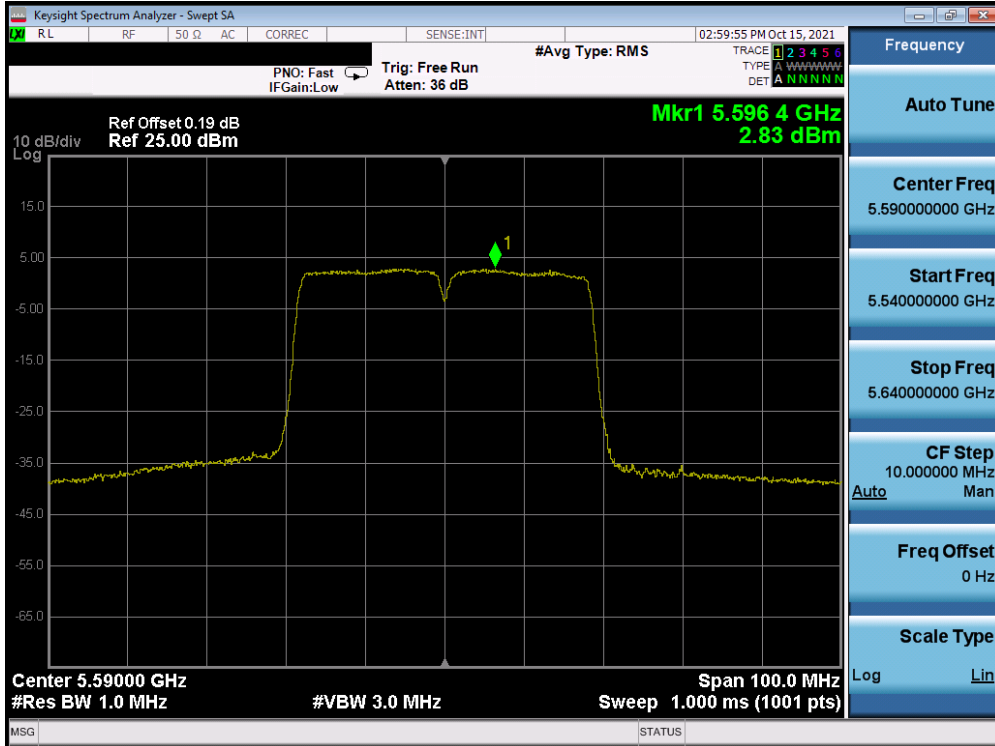


Plot 7-302. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 2C) – Ch. 144)

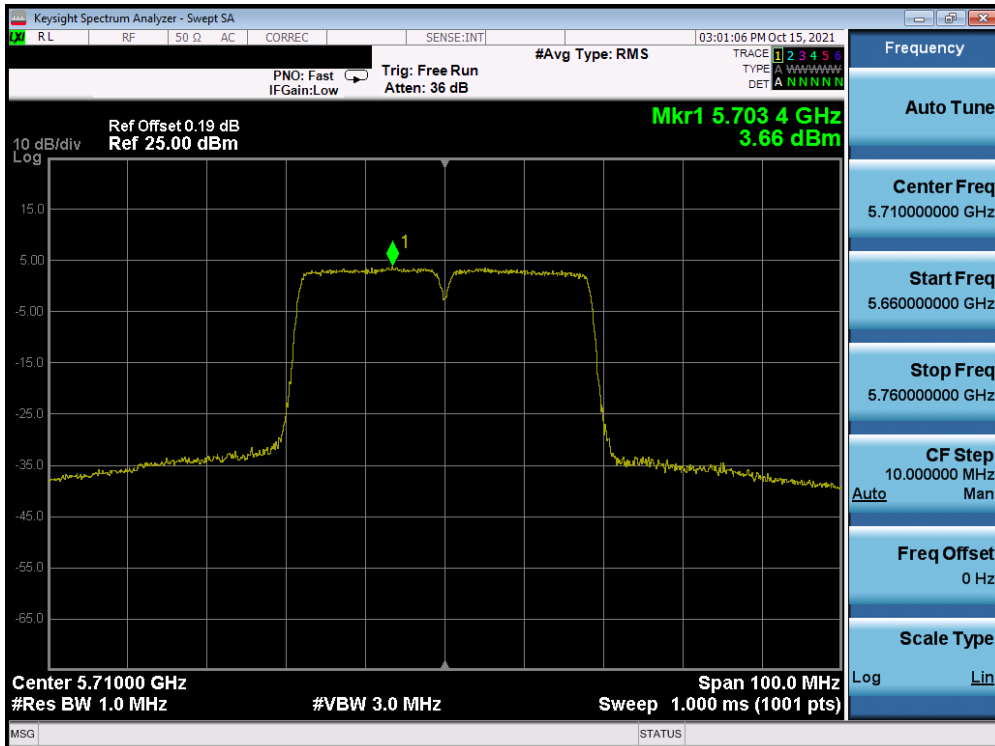


Plot 7-303. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 102)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 183 of 257

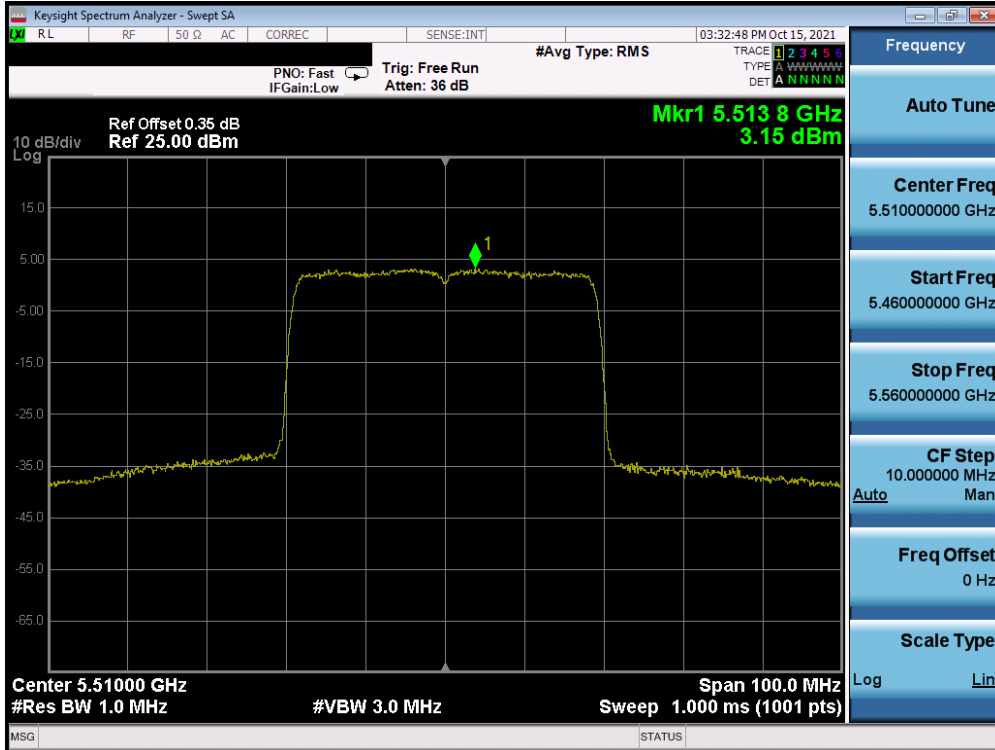


Plot 7-304. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 118)

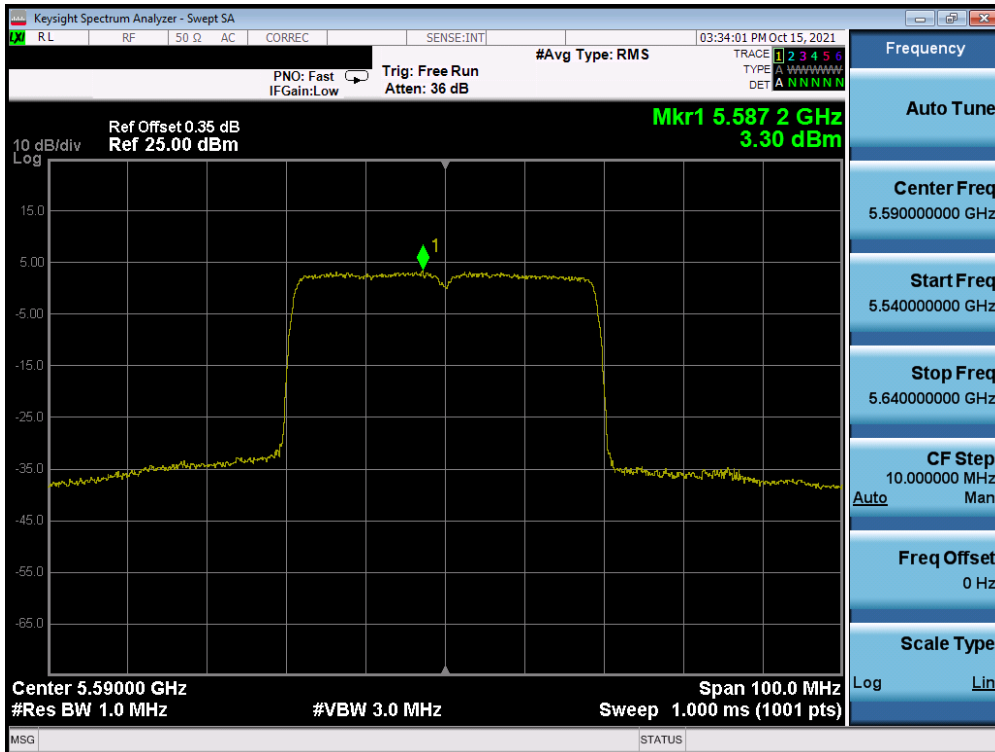


Plot 7-305. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 2C) – Ch. 142)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 184 of 257

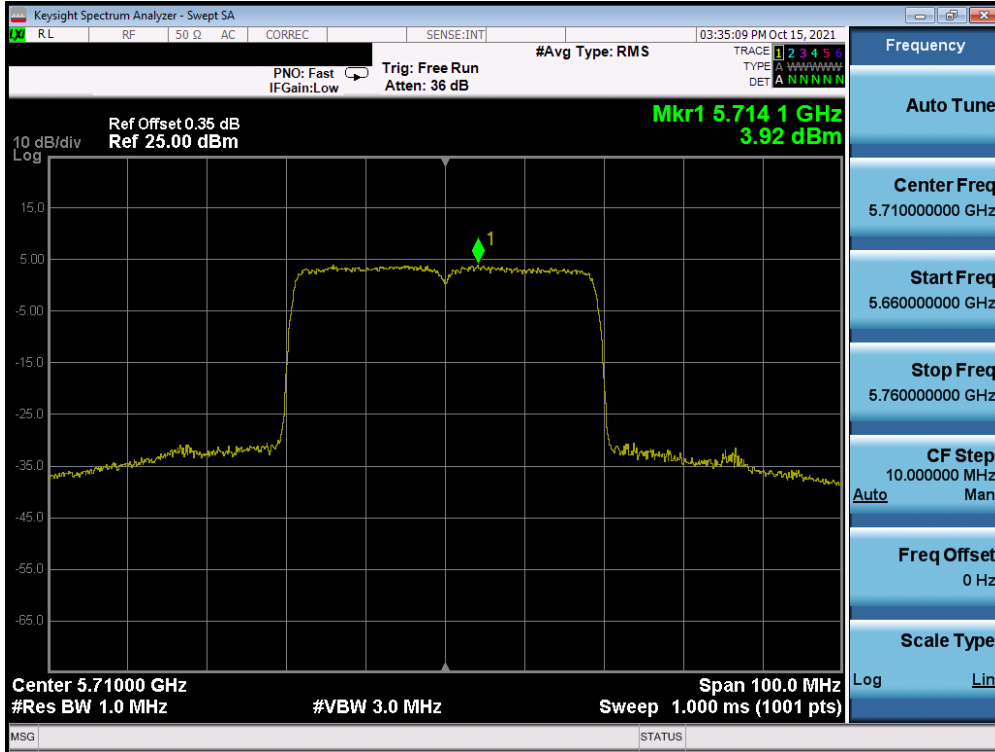


Plot 7-306. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 102)

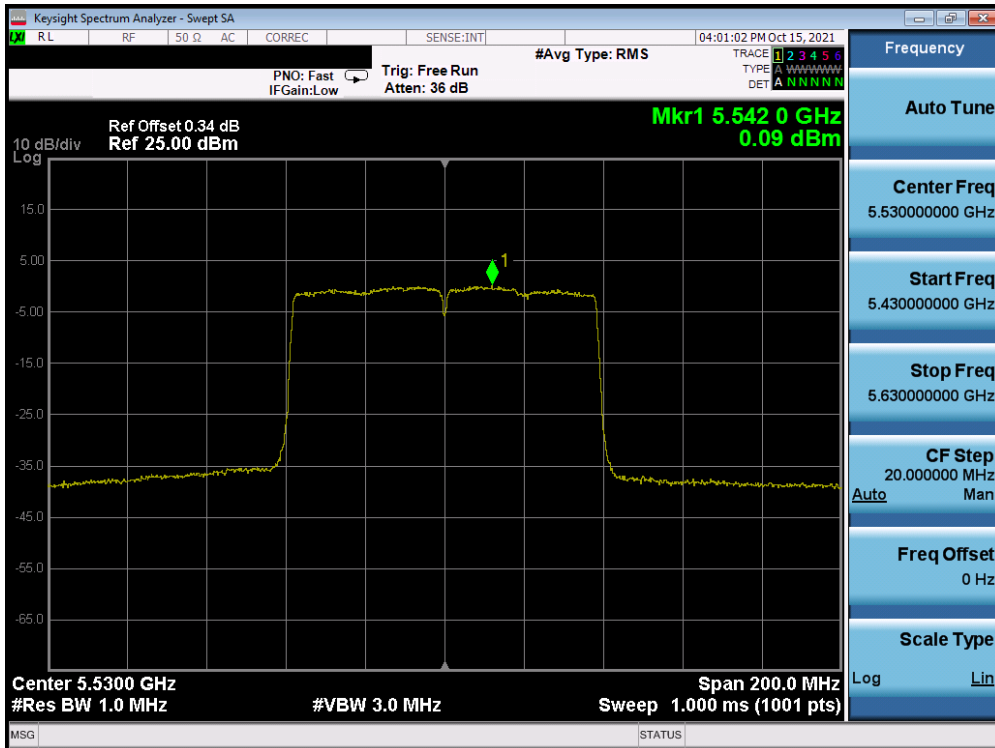


Plot 7-307. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 118)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 185 of 257

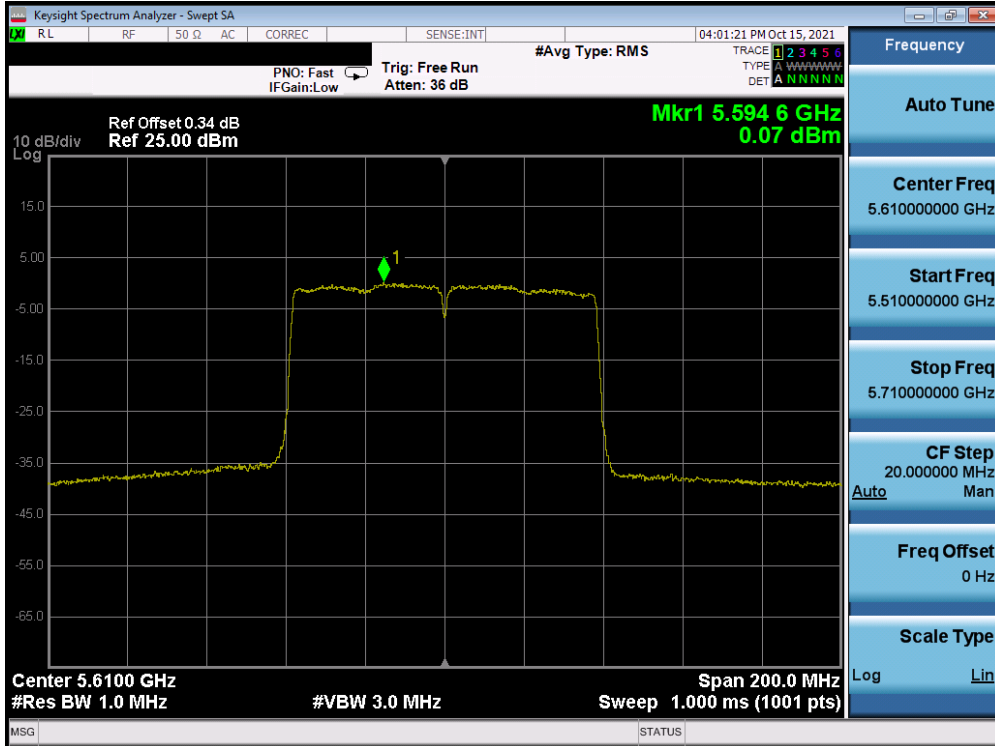


Plot 7-308. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) – Ch. 142)

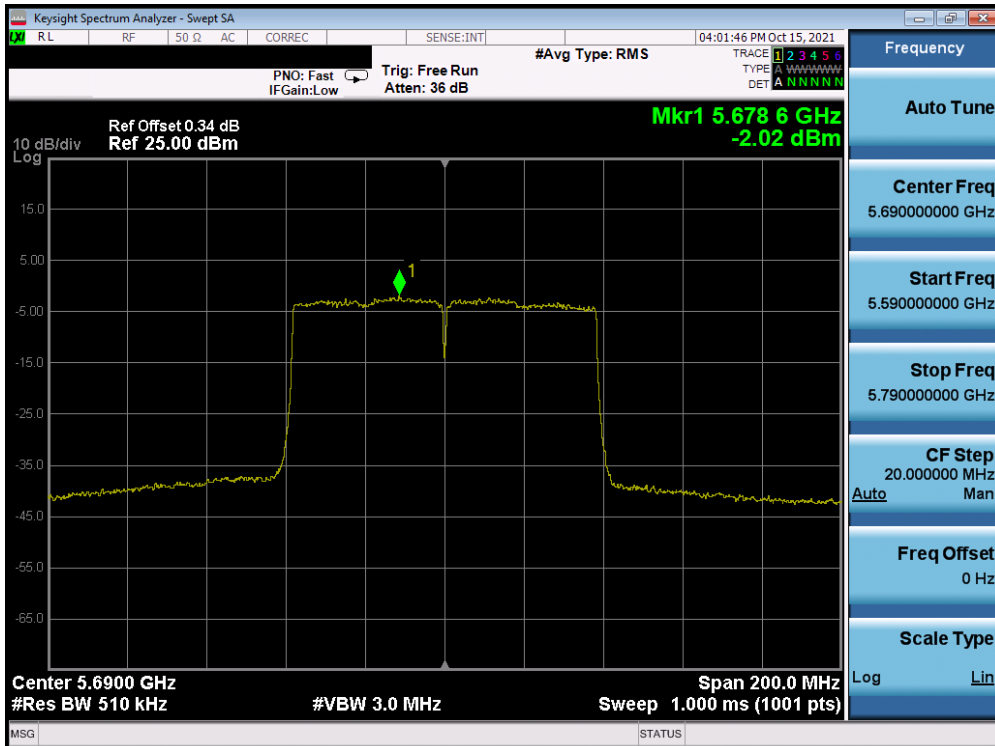


Plot 7-309. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 106)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 186 of 257

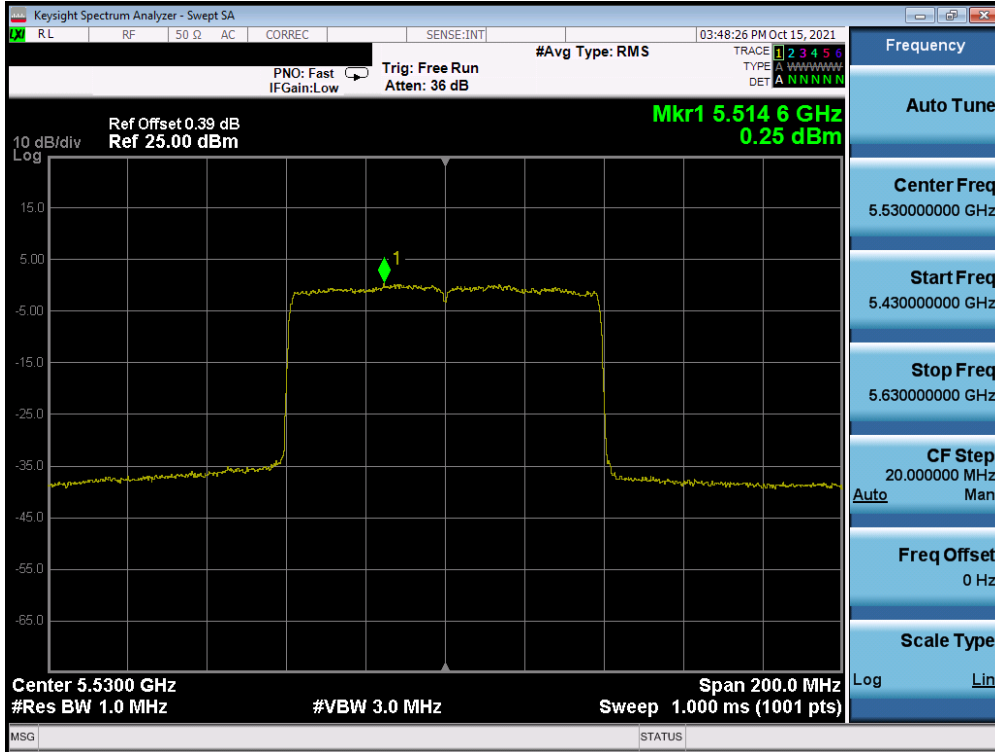


Plot 7-310. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 122)

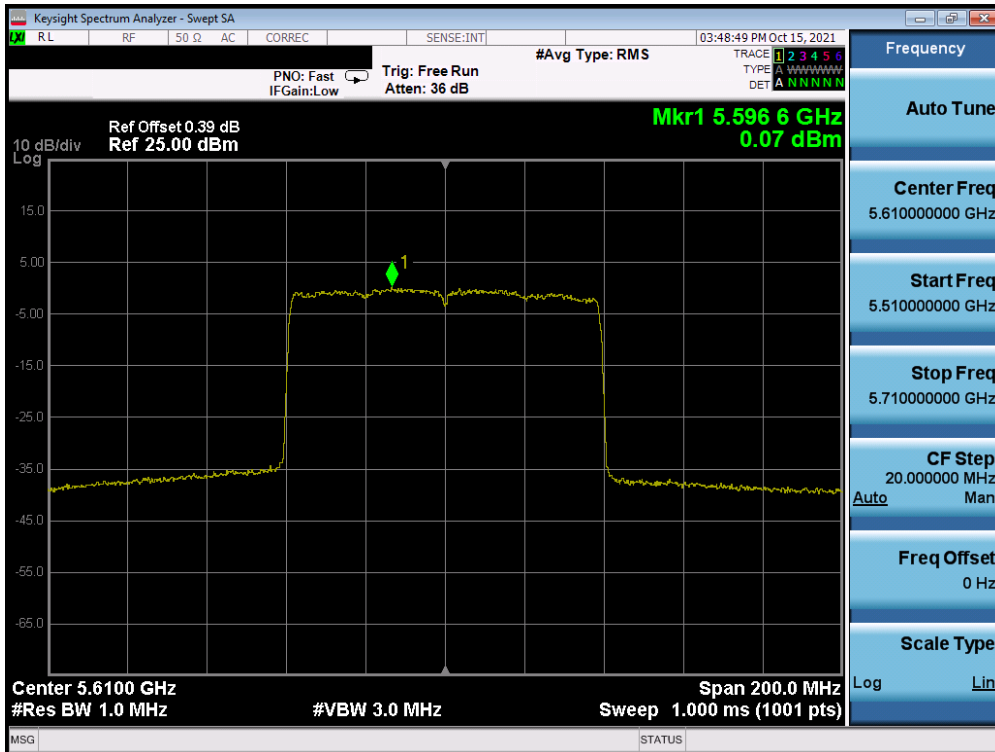


Plot 7-311. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) – Ch. 138)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 187 of 257



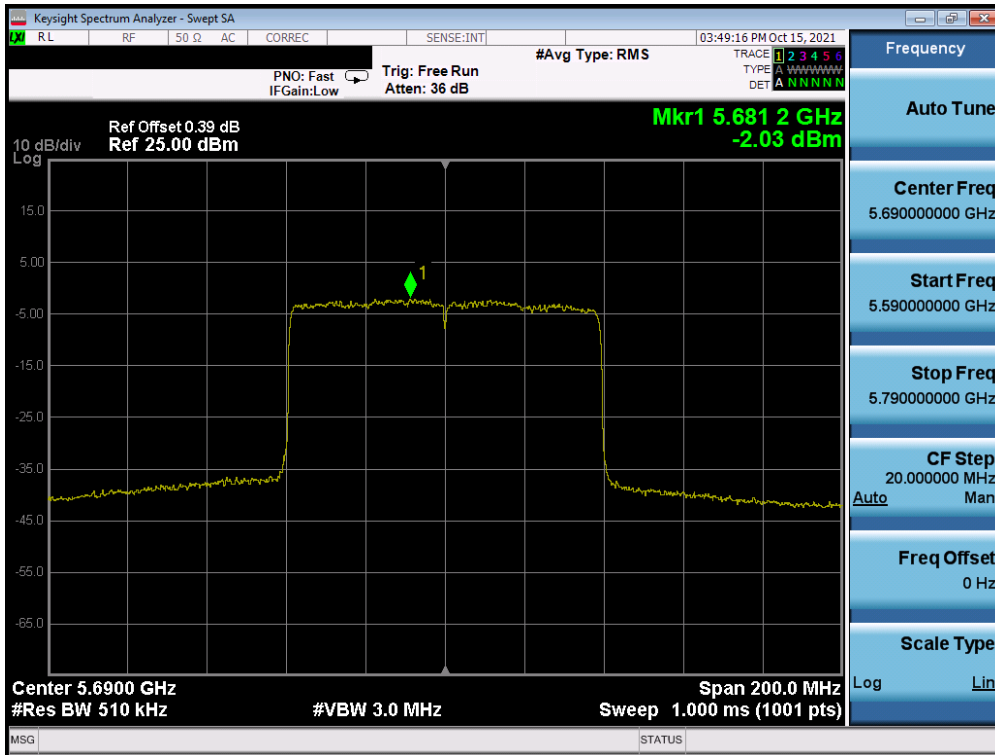
Plot 7-312. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 106)



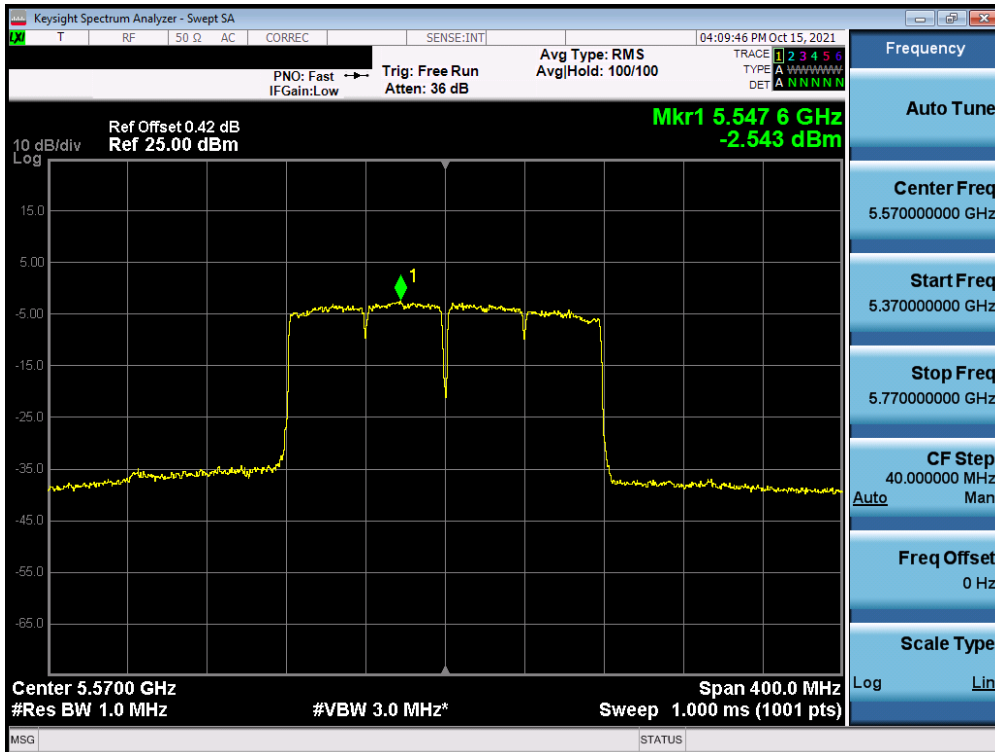
Plot 7-313. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 122)

FCC ID: A3LSMS908JPN	Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 188 of 257



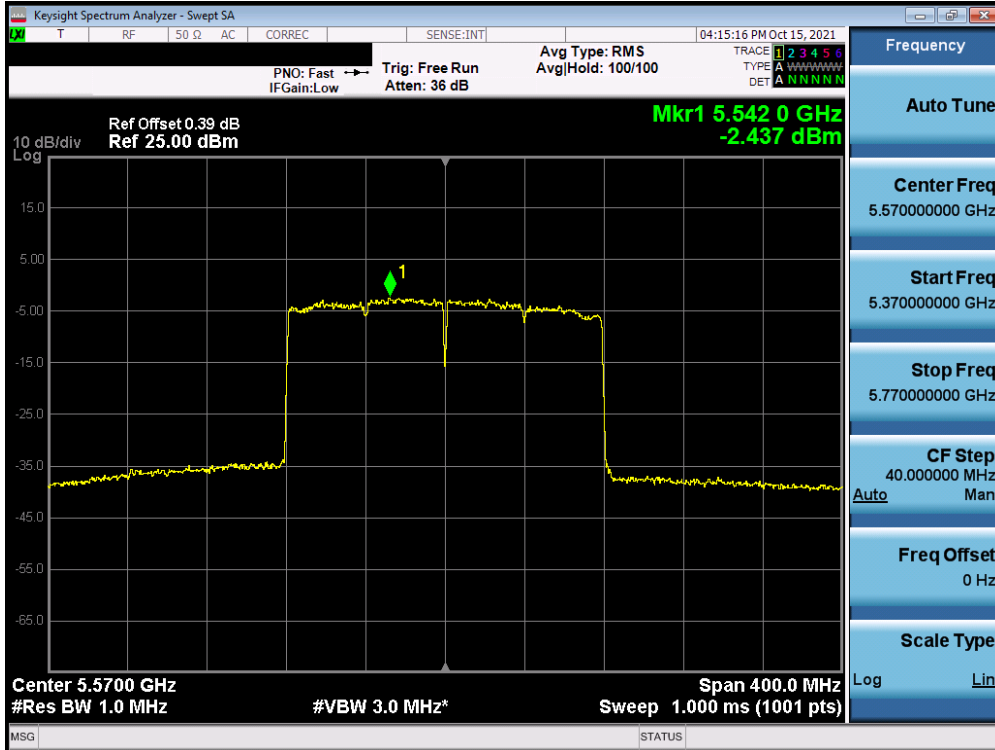


Plot 7-314. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 2C) – Ch. 138)

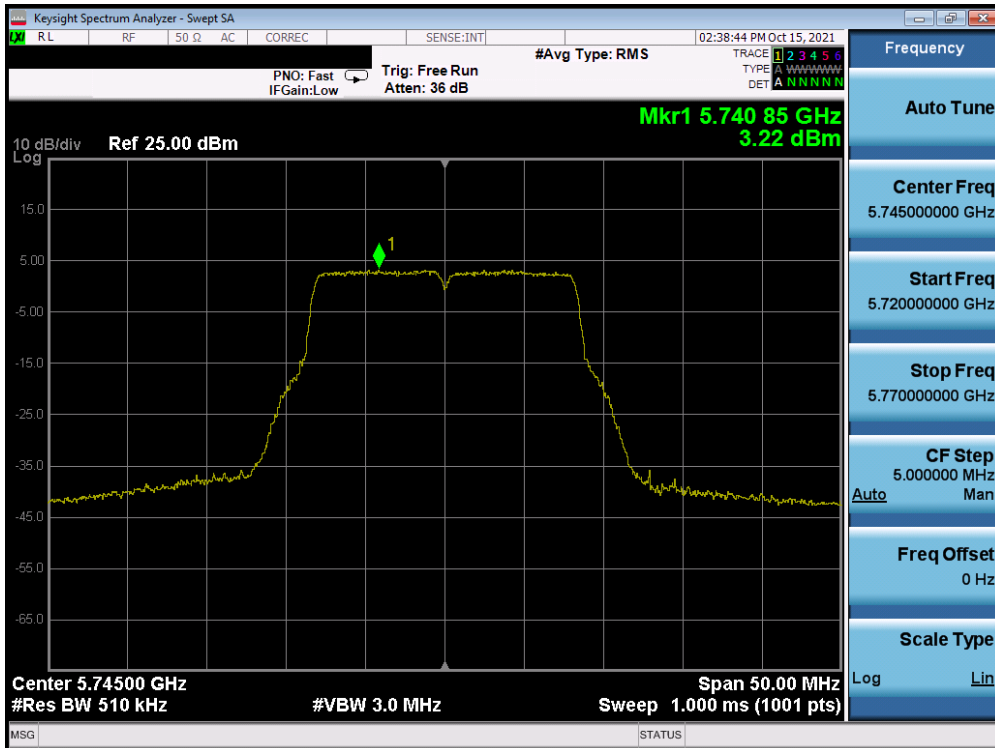


Plot 7-315. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 2C) – Ch. 114)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 189 of 257

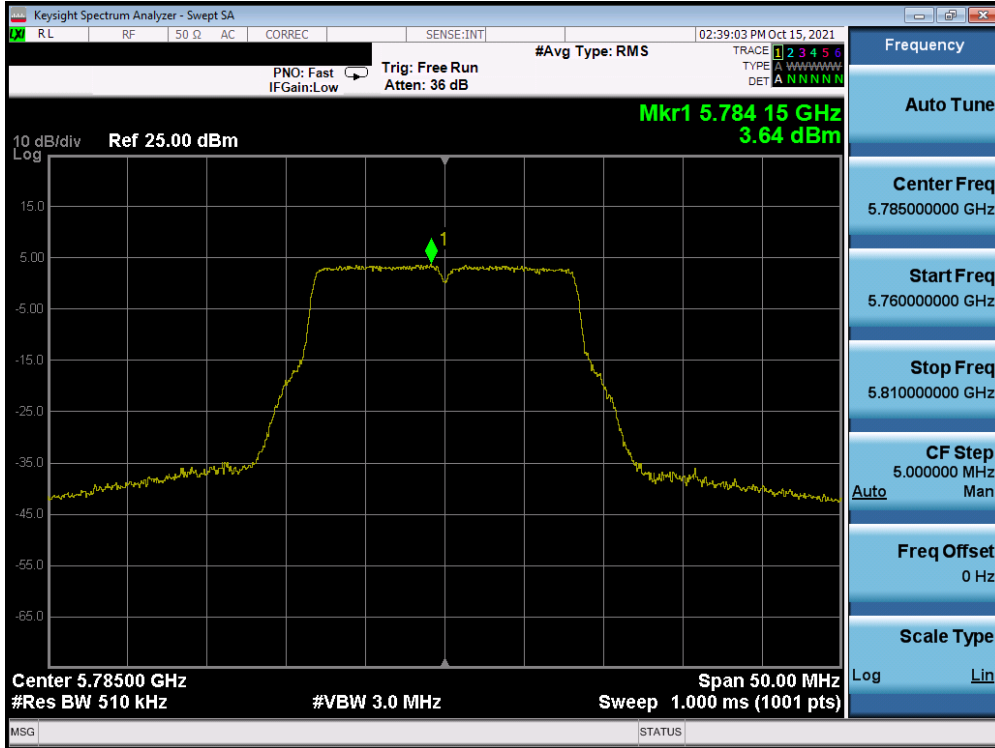


Plot 7-316. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 2C) – Ch. 114)

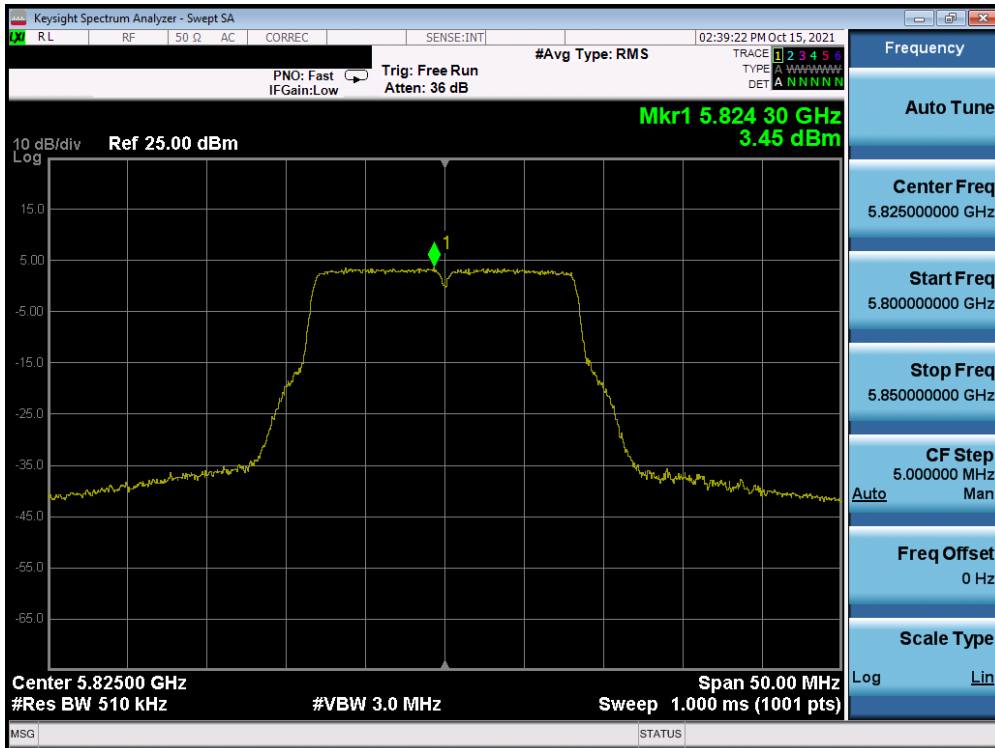


Plot 7-317. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) – Ch. 149)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 190 of 257

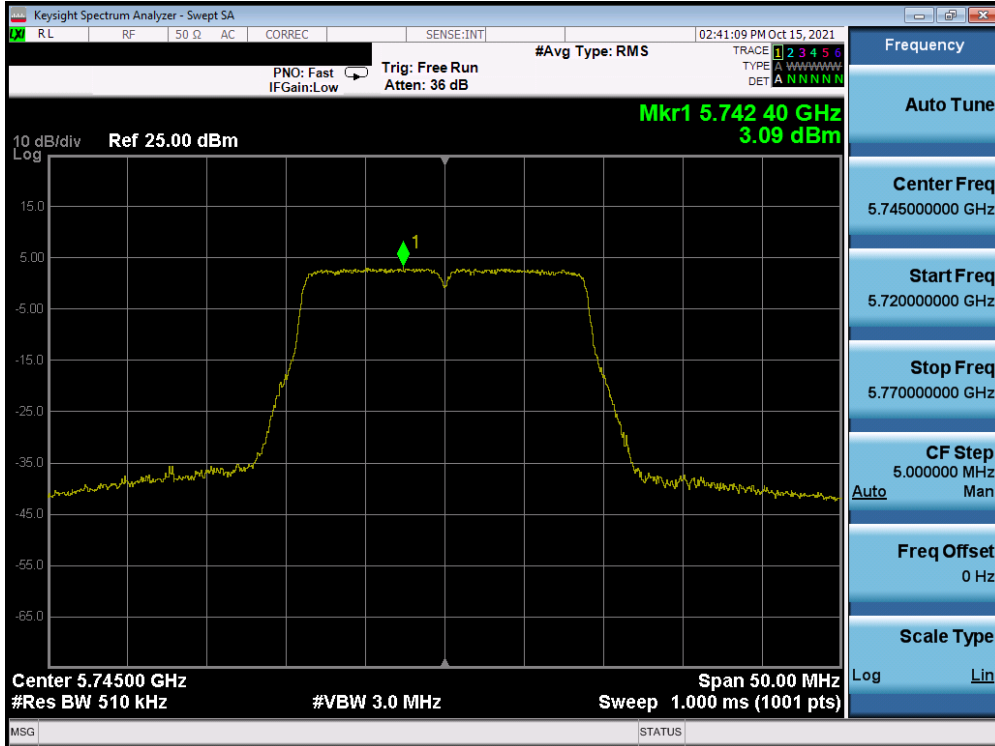


Plot 7-318. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) – Ch. 157)

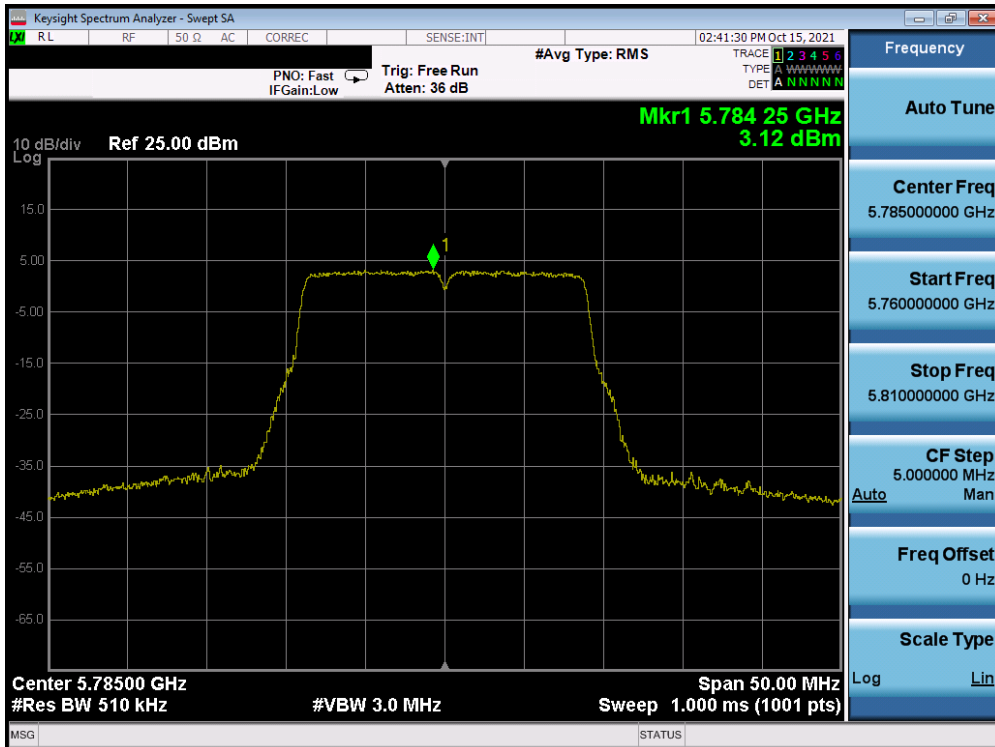


Plot 7-319. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3) – Ch. 165)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 191 of 257

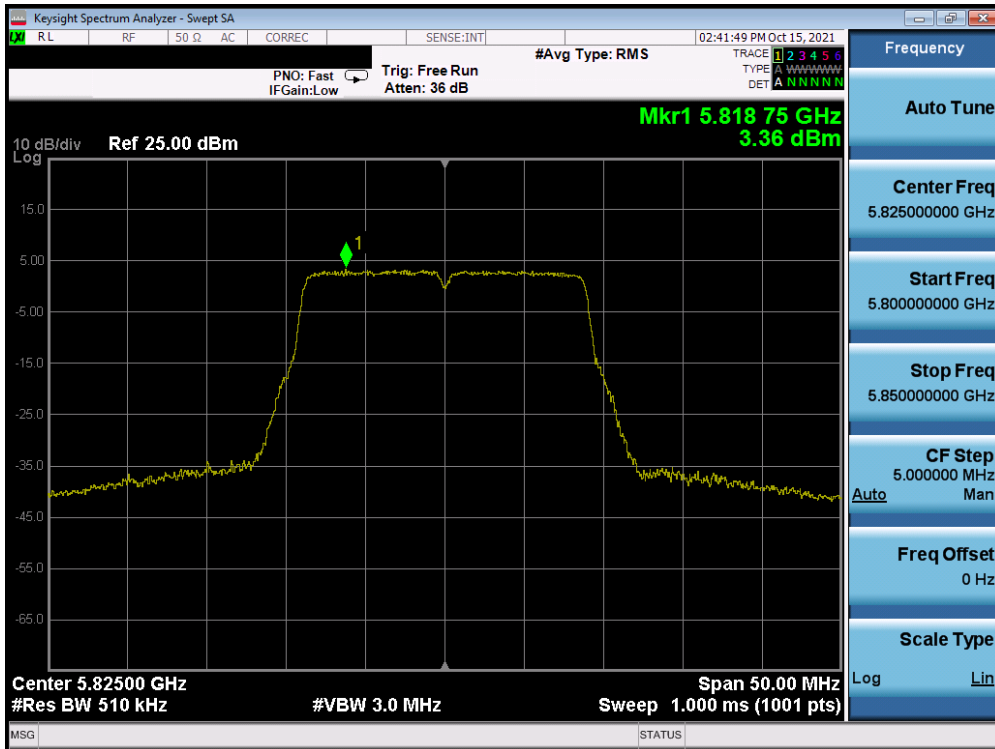


Plot 7-320. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 149)

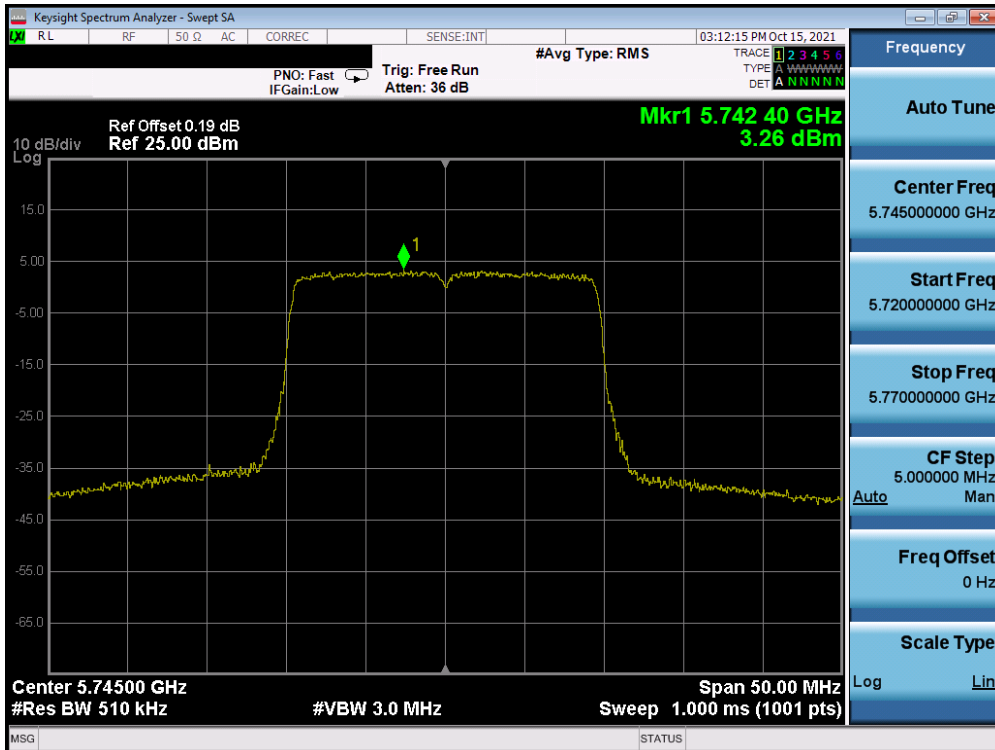


Plot 7-321. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 157)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 192 of 257

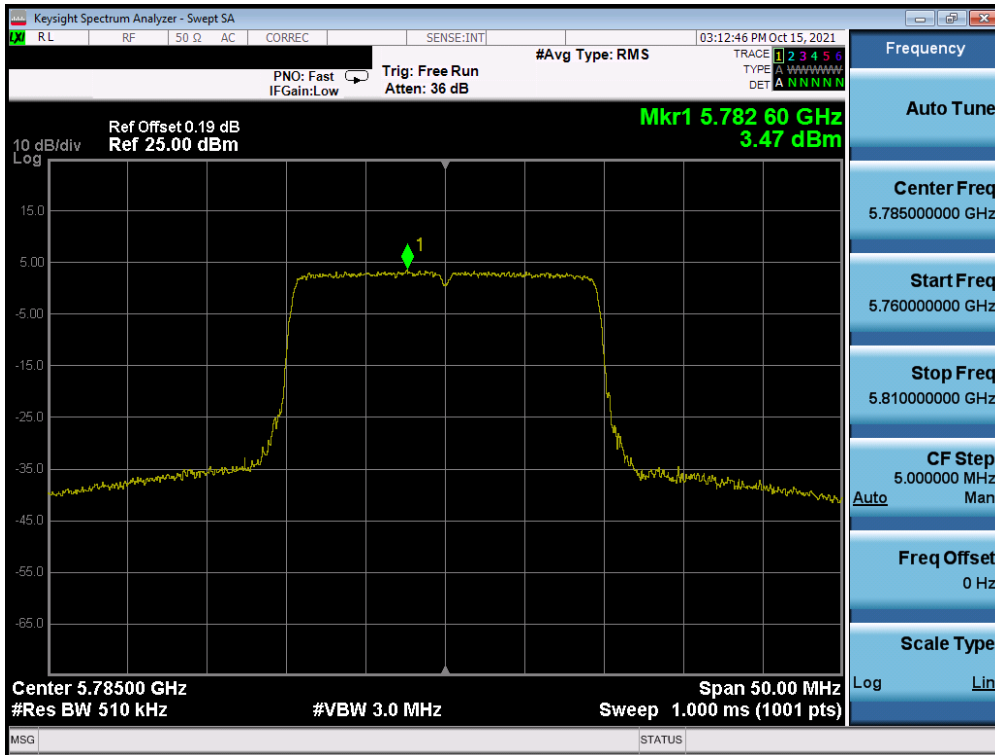


Plot 7-322. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) – Ch. 165)

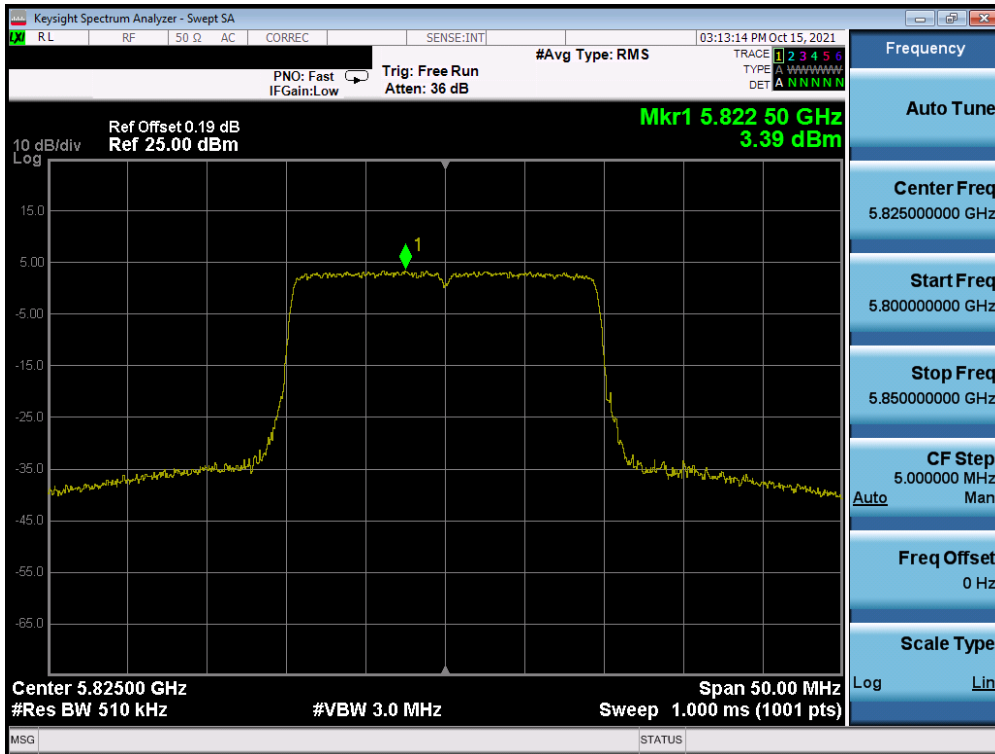


Plot 7-323. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) – Ch. 149)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 193 of 257

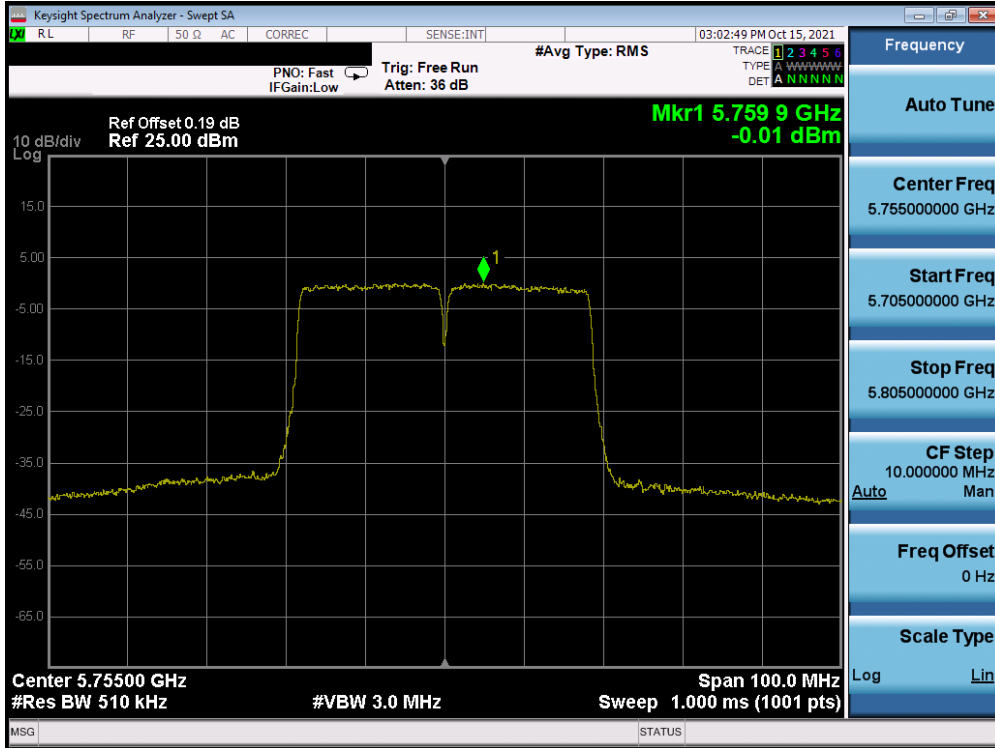


Plot 7-324. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) – Ch. 157)

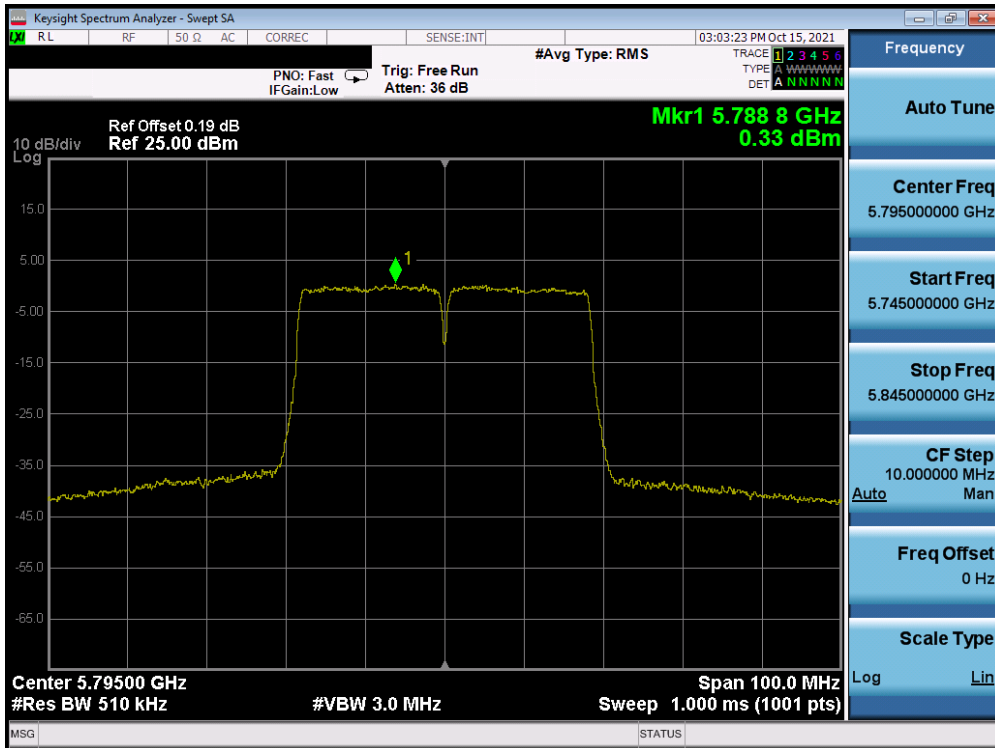


Plot 7-325. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) – Ch. 165)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 194 of 257

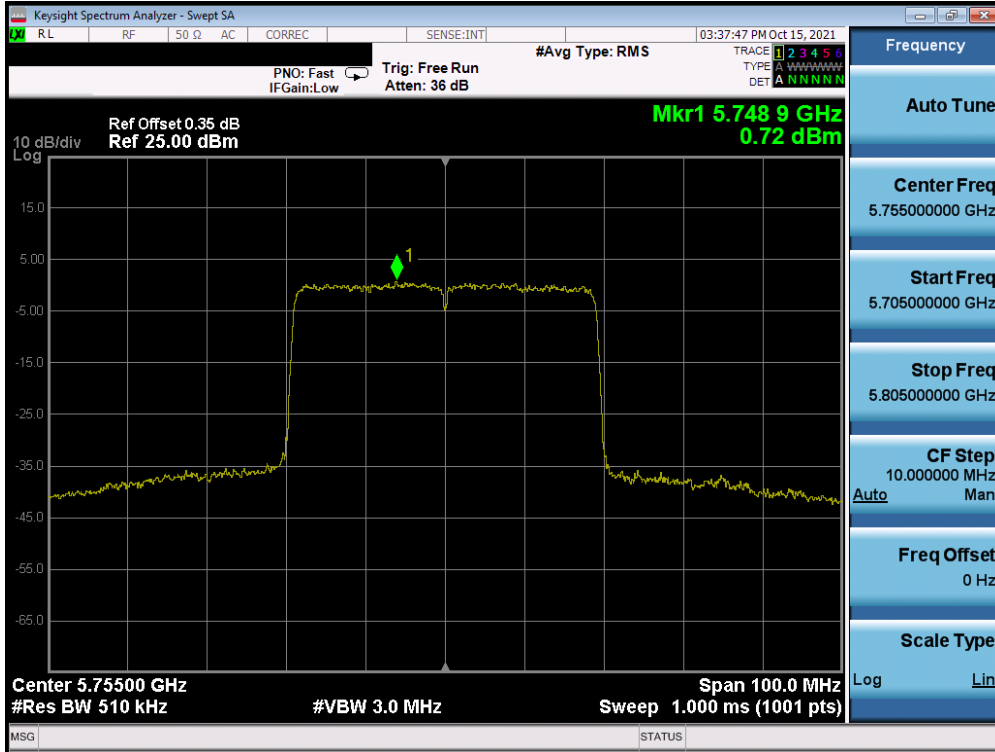


Plot 7-326. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 151)

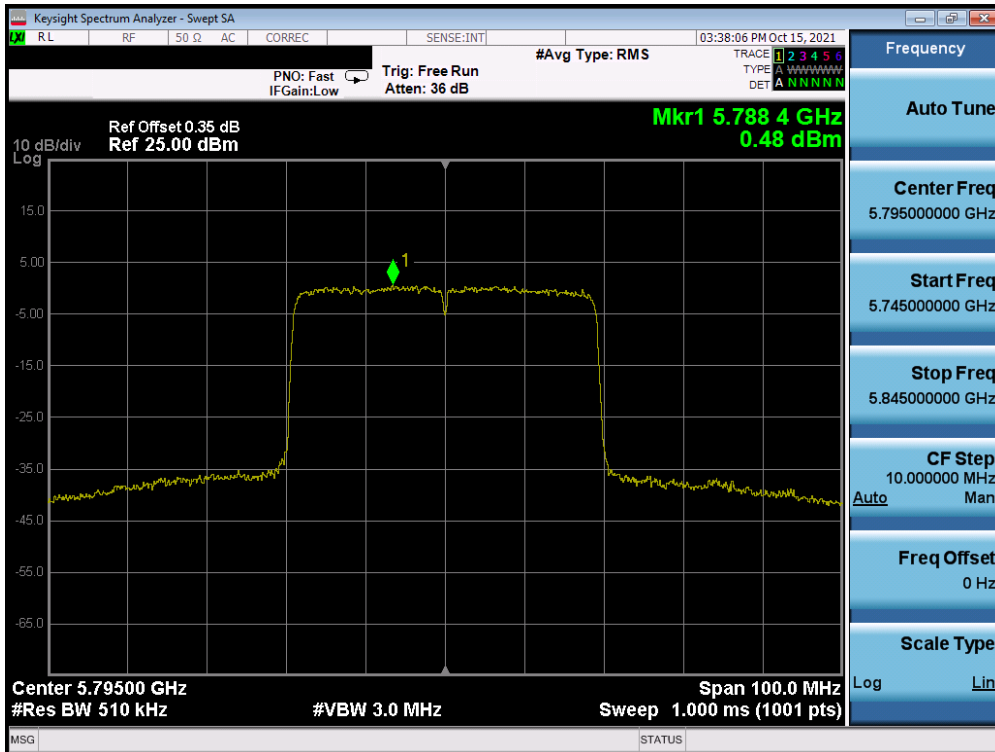


Plot 7-327. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) – Ch. 159)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 195 of 257



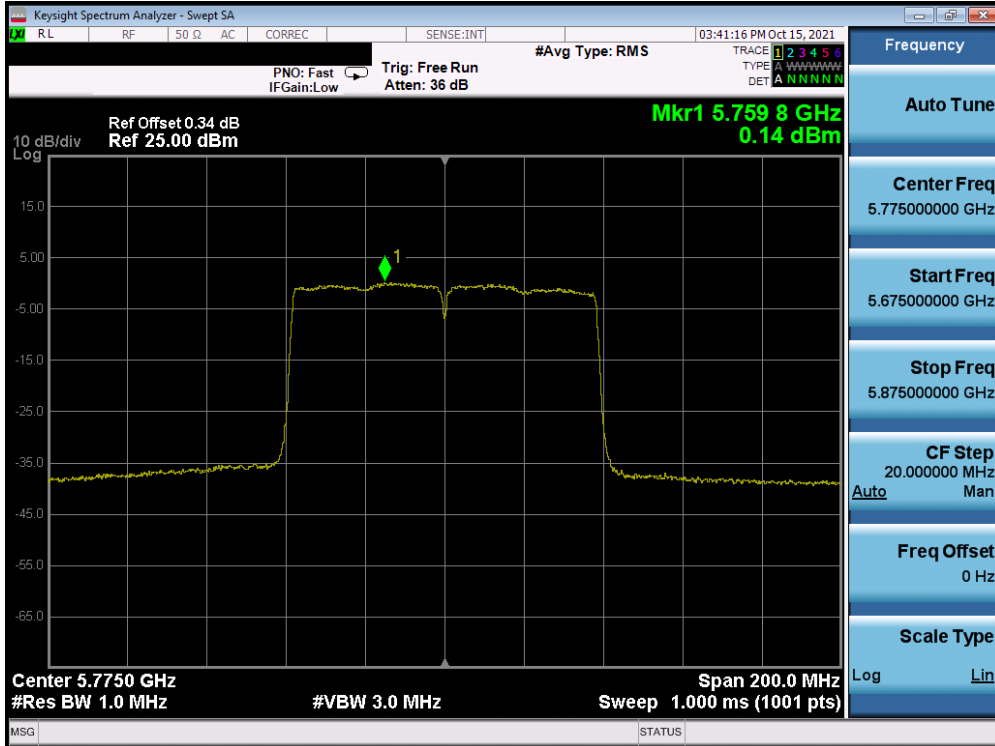
Plot 7-328. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3) – Ch. 151)



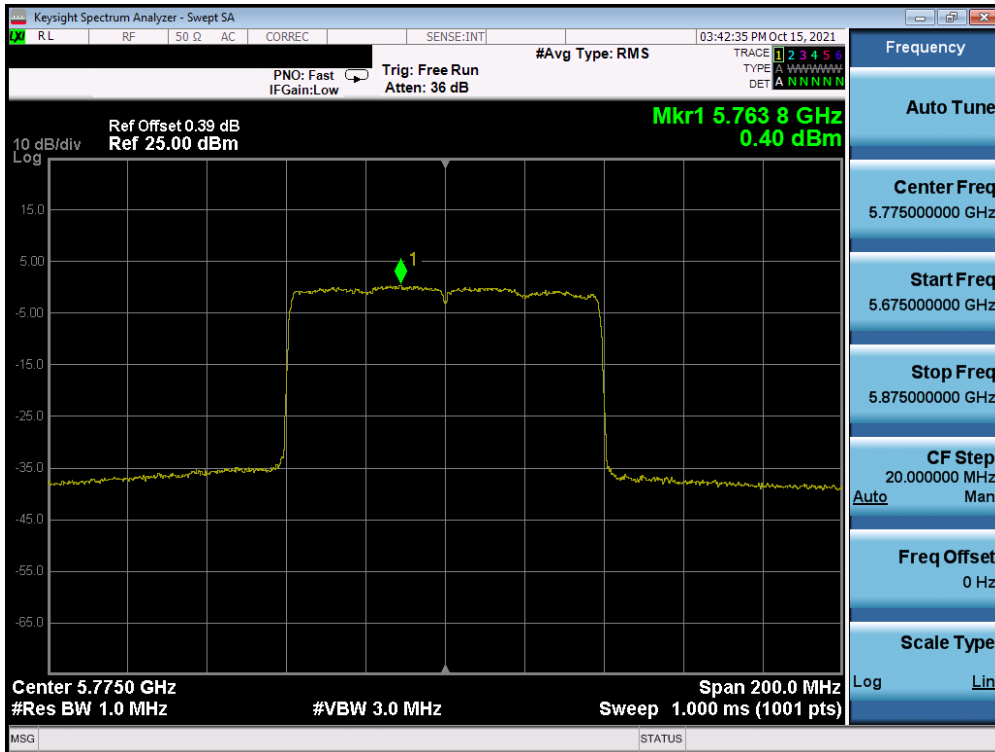
Plot 7-329. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3) – Ch. 159)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 196 of 257



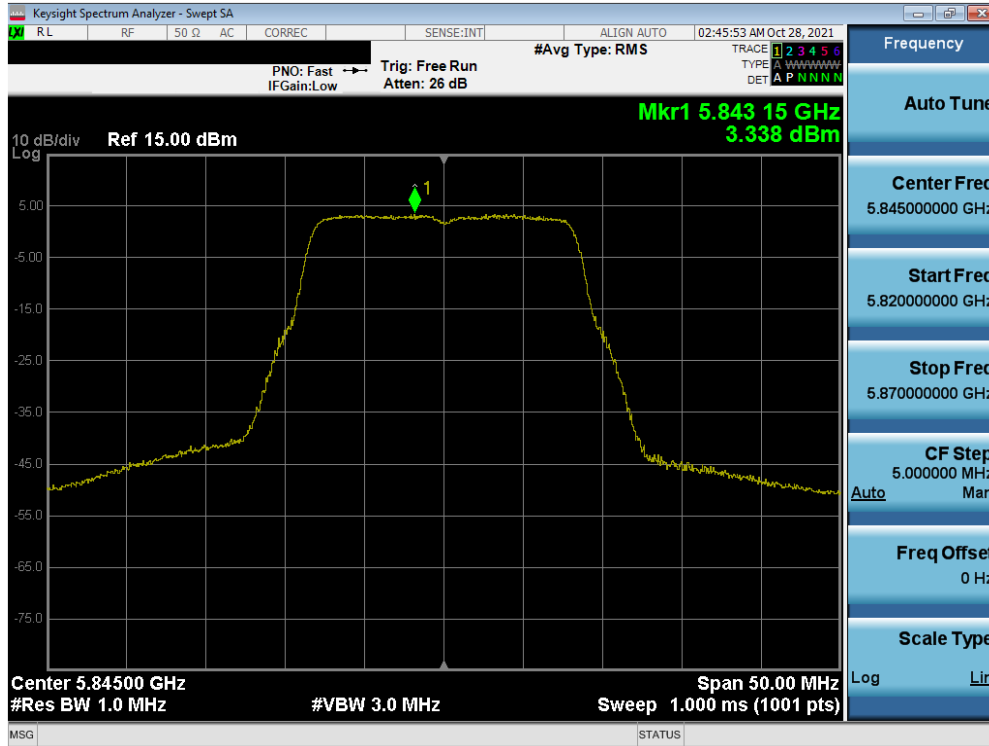


Plot 7-330. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) – Ch. 155)

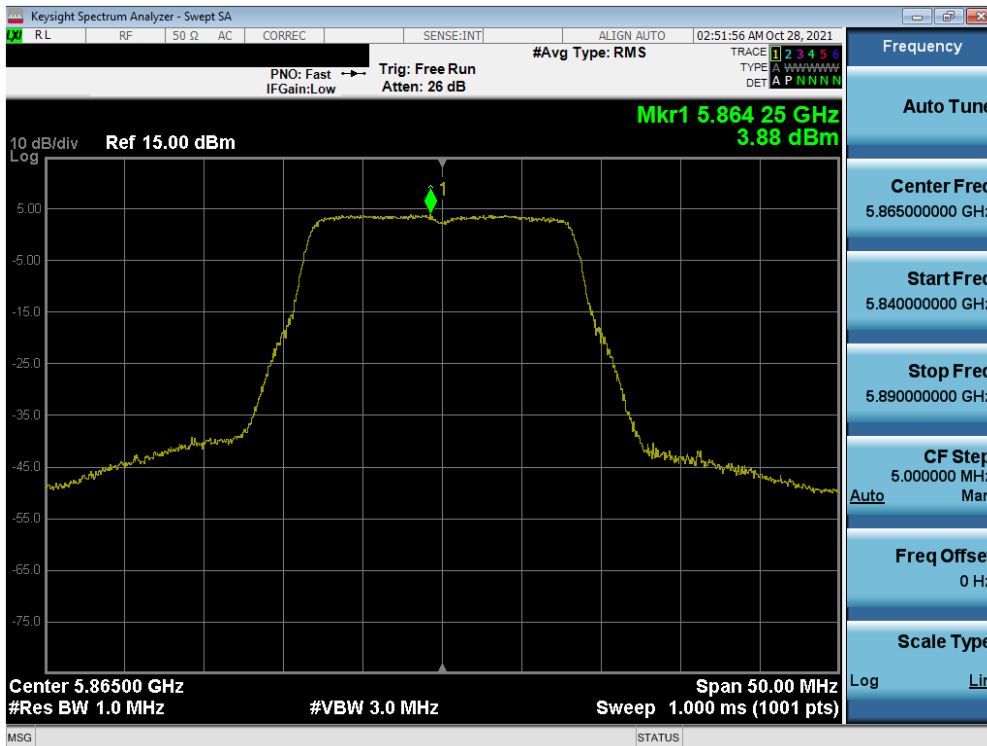


Plot 7-331. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 3) – Ch. 155)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of  element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 197 of 257

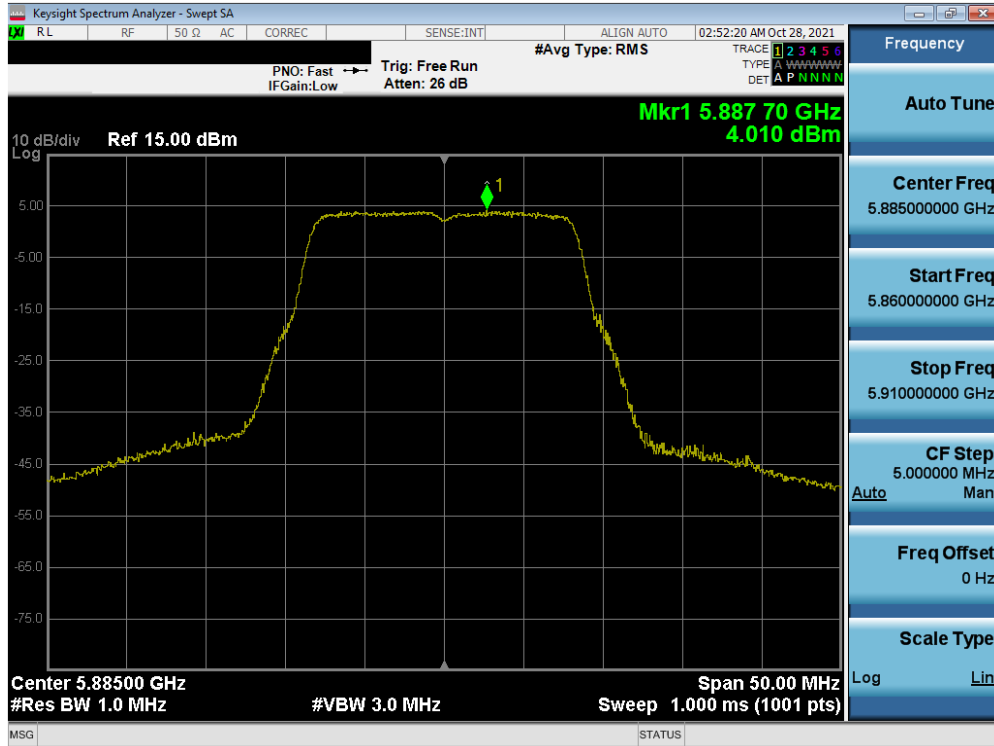


Plot 7-332. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 3/4) – Ch. 169)

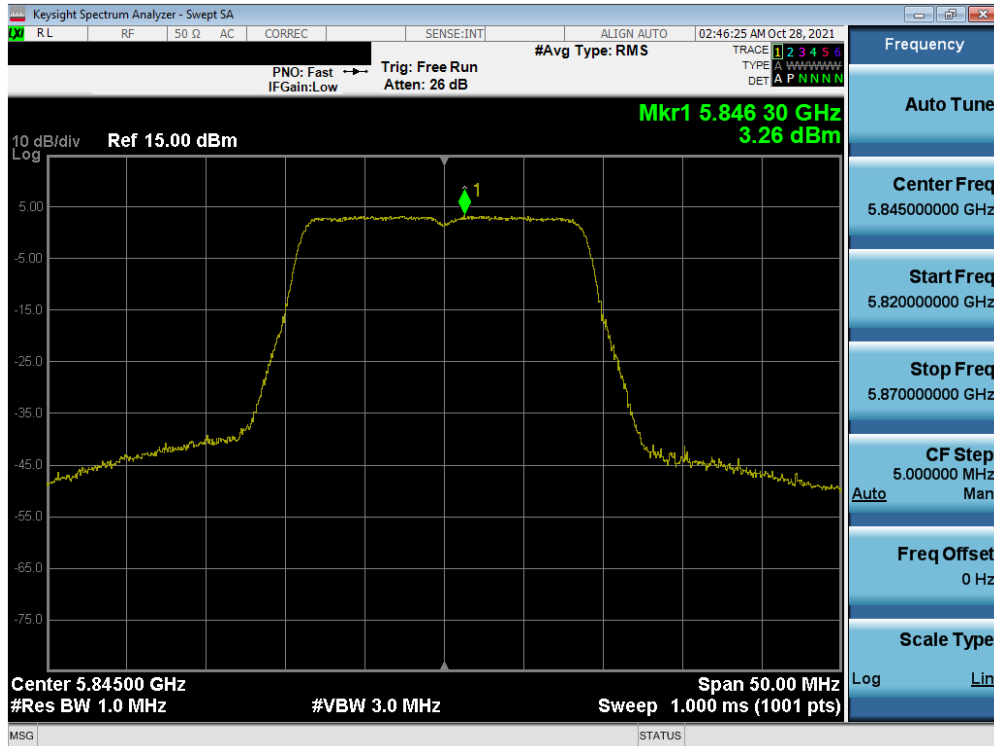


Plot 7-333. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 4) – Ch. 173)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 198 of 257



Plot 7-334. Power Spectral Density Plot MIMO ANT2 (802.11a (UNII Band 4) – Ch. 177)



Plot 7-335. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3/4) – Ch. 169)

FCC ID: A3LSMS908JPN	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2112100159-07.A3L	Test Dates: 9/14/2021 - 11/12/2021	EUT Type: Portable Handset		Page 199 of 257