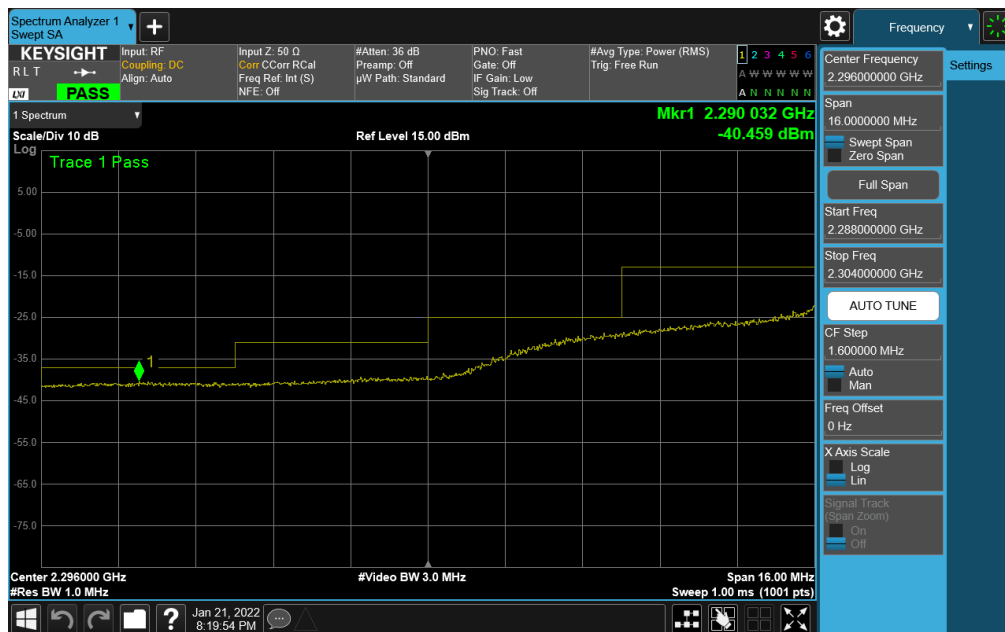
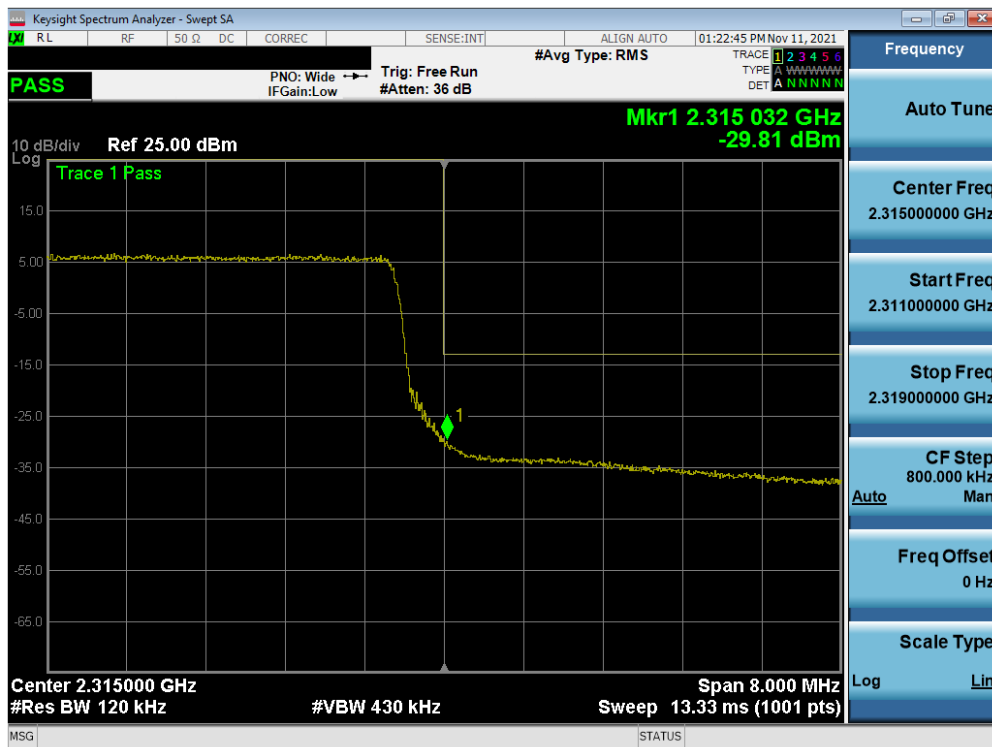


Plot 7-210. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)



Plot 7-211. Extended Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 130 of 266



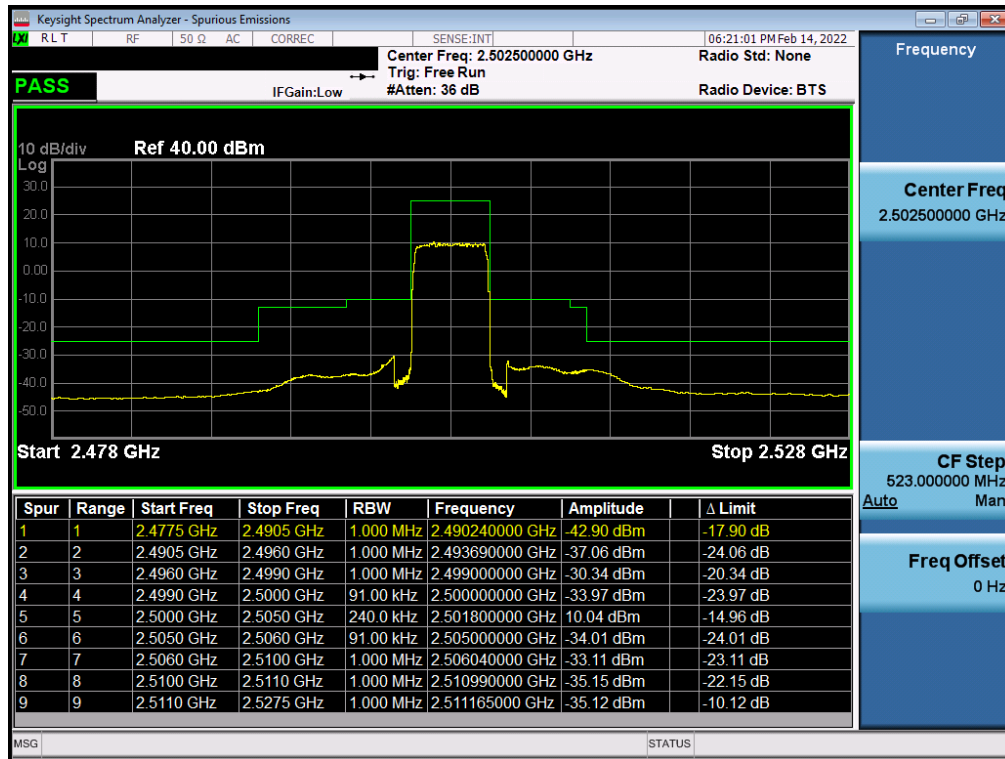
Plot 7-212. Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)



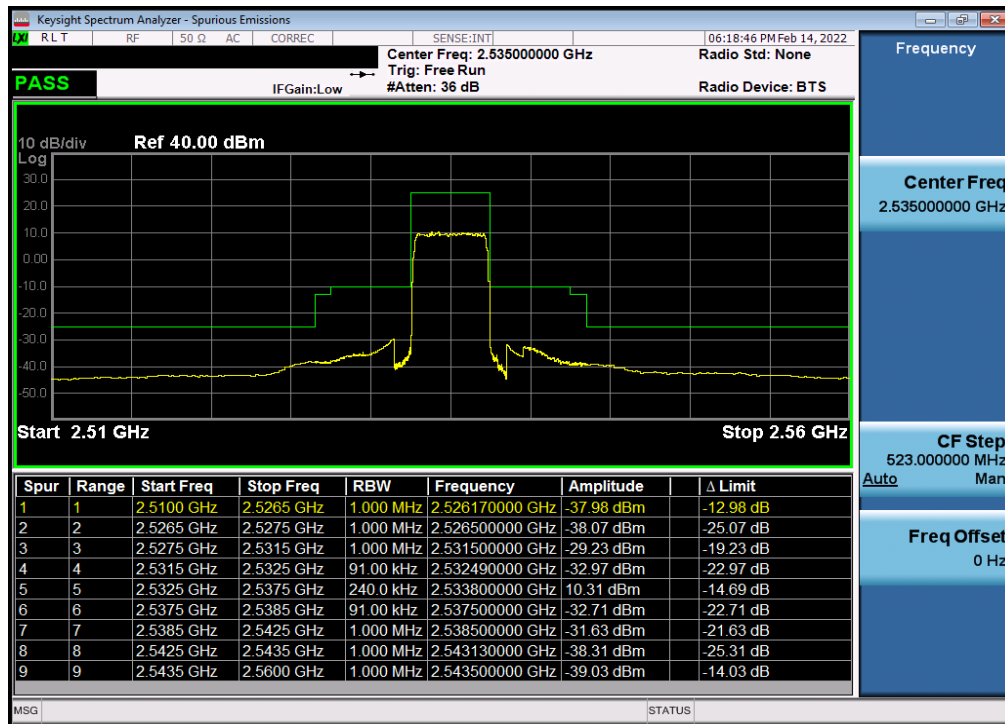
Plot 7-213. Extended Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 131 of 266

## LTE Band 7

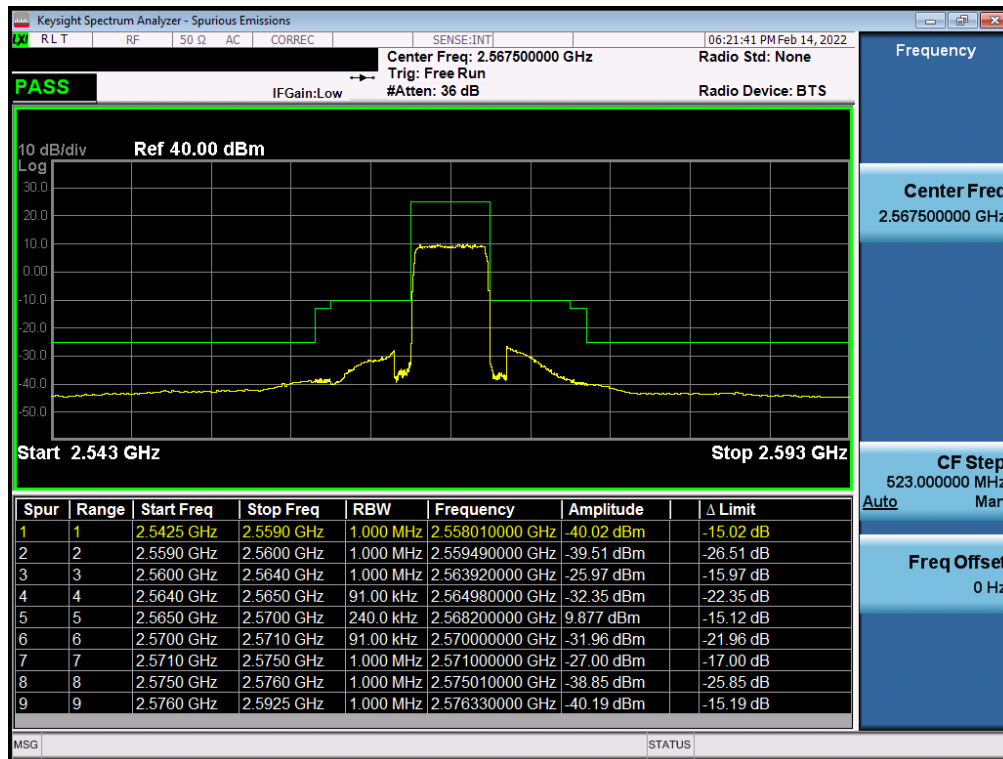


Plot 7-214. Lower ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

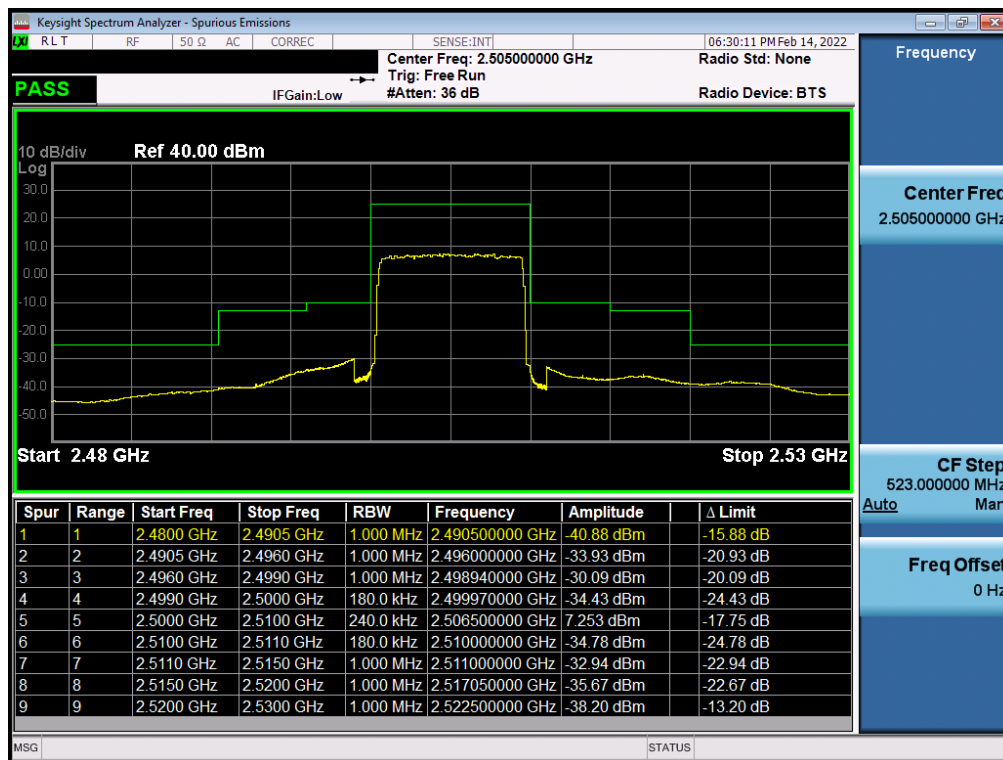


Plot 7-215. Middle ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 132 of 266

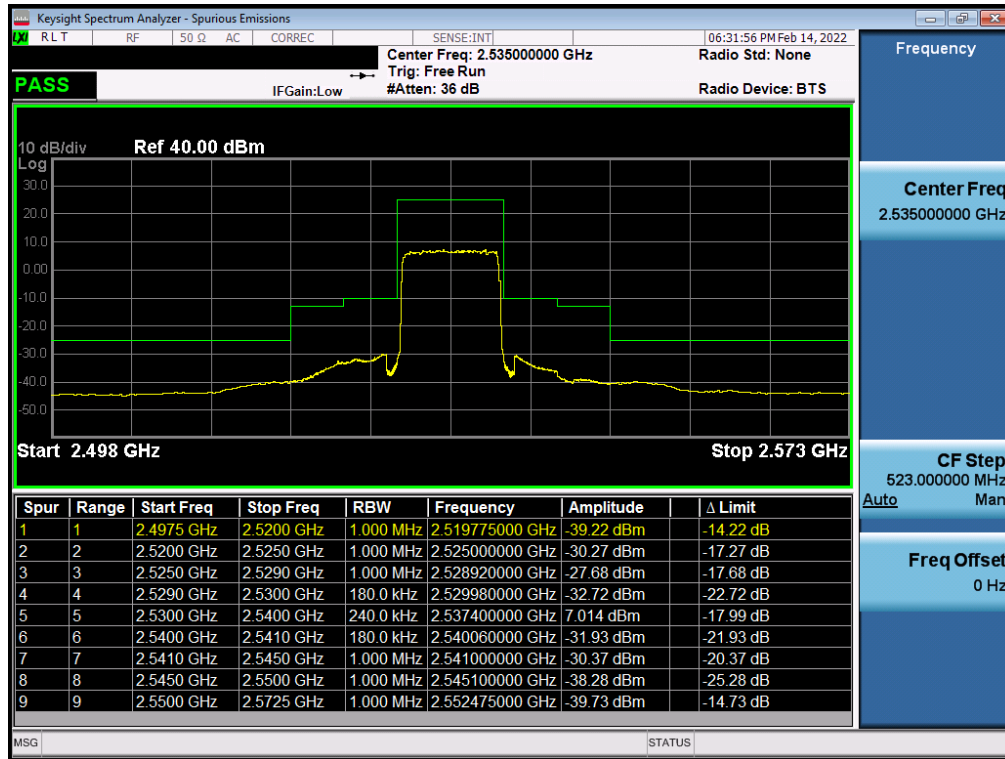


Plot 7-216. Upper ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

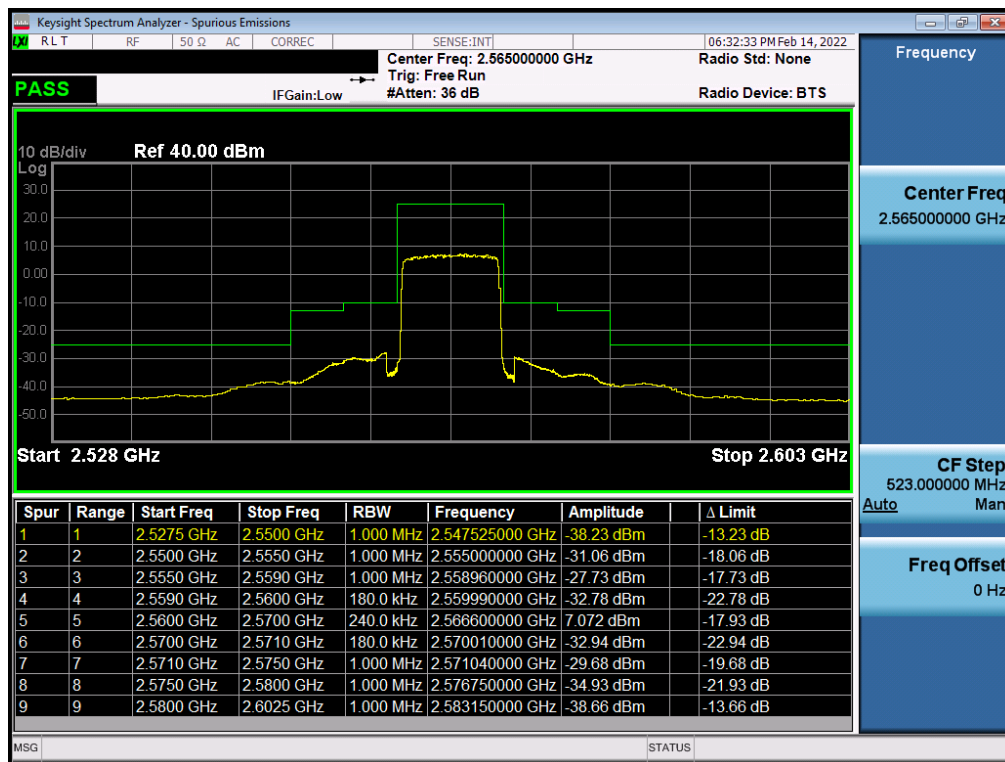


Plot 7-217. Lower ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 133 of 266

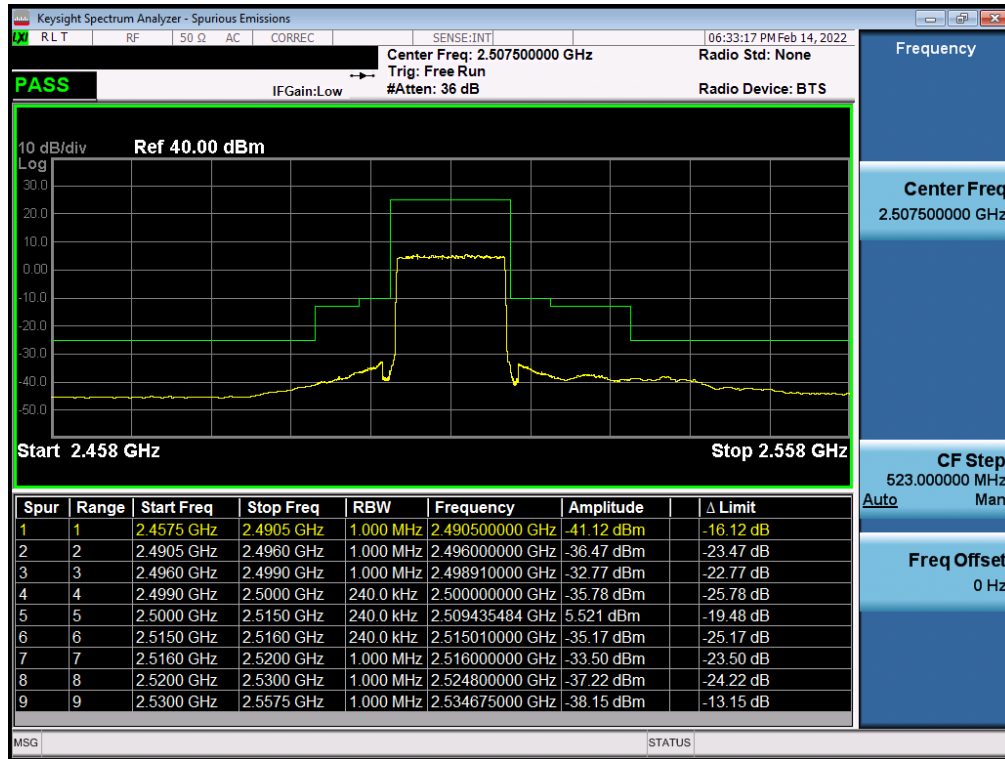


Plot 7-218. Middle ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

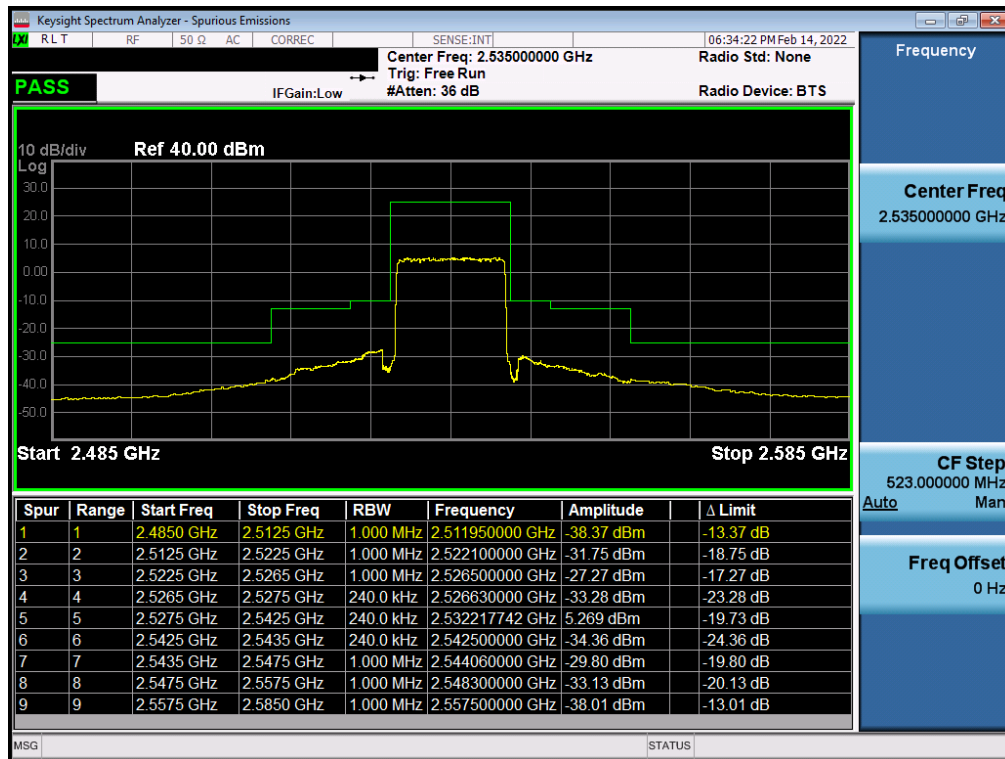


Plot 7-219. Upper ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 134 of 266



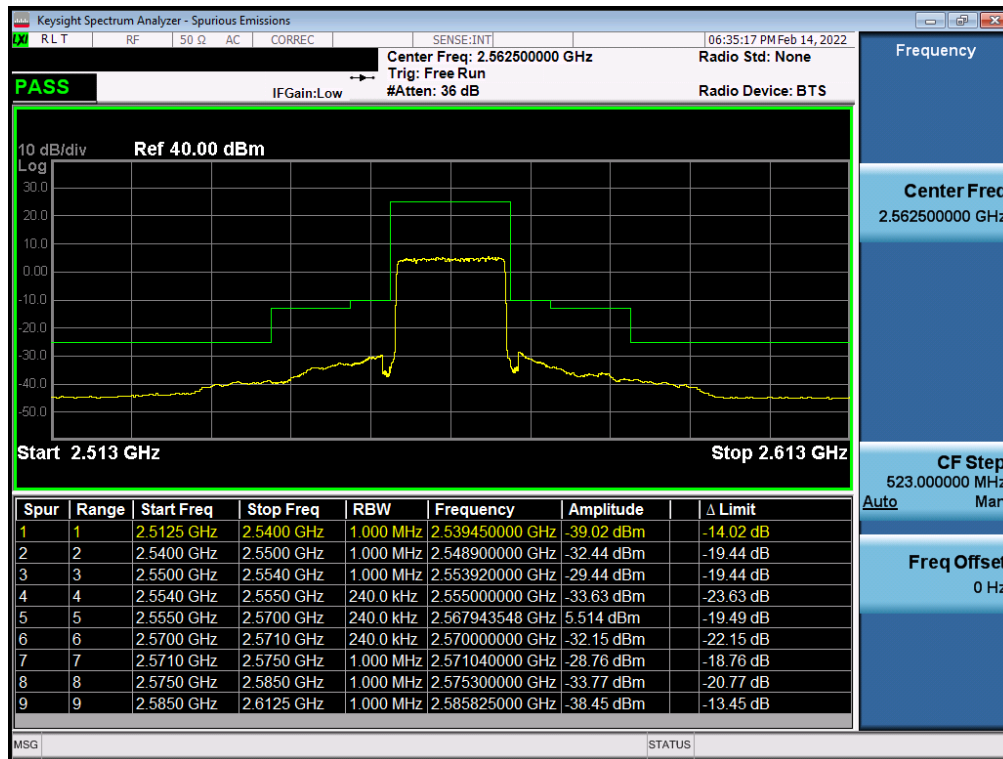
Plot 7-220. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)



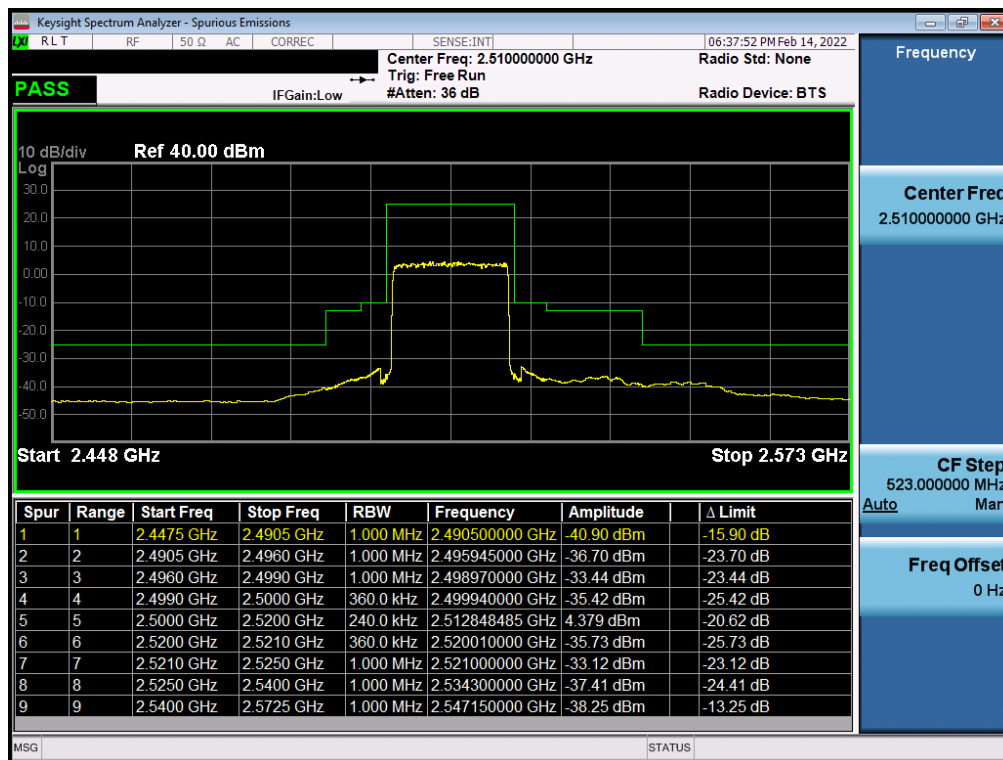
Plot 7-221. Middle ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 135 of 266



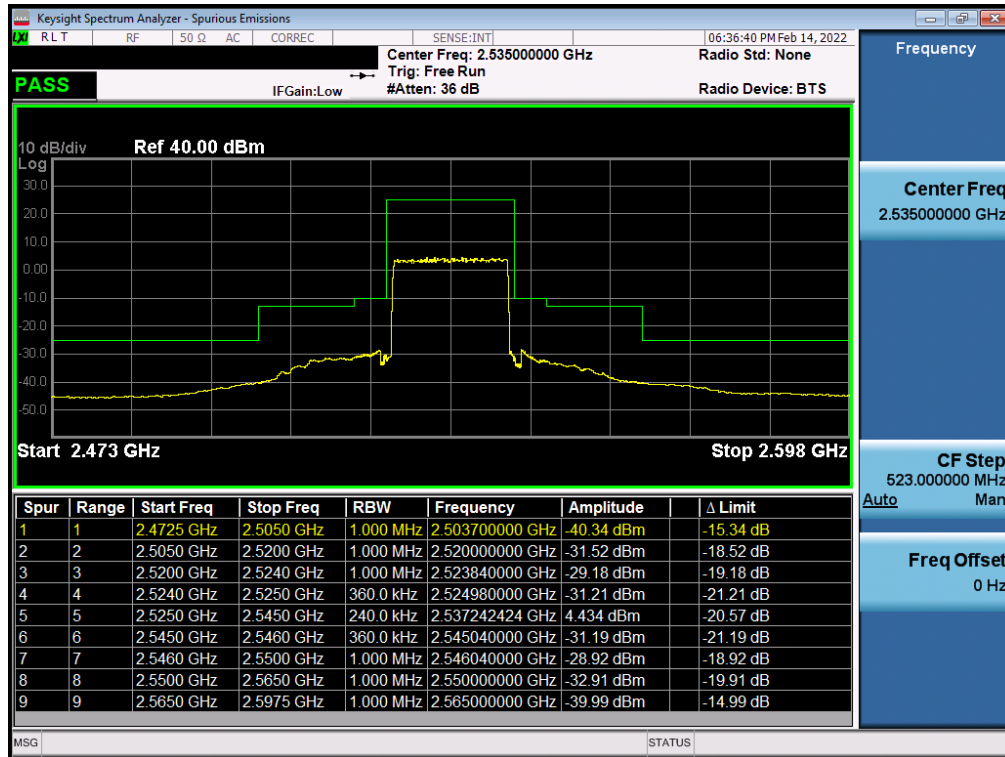


Plot 7-222. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

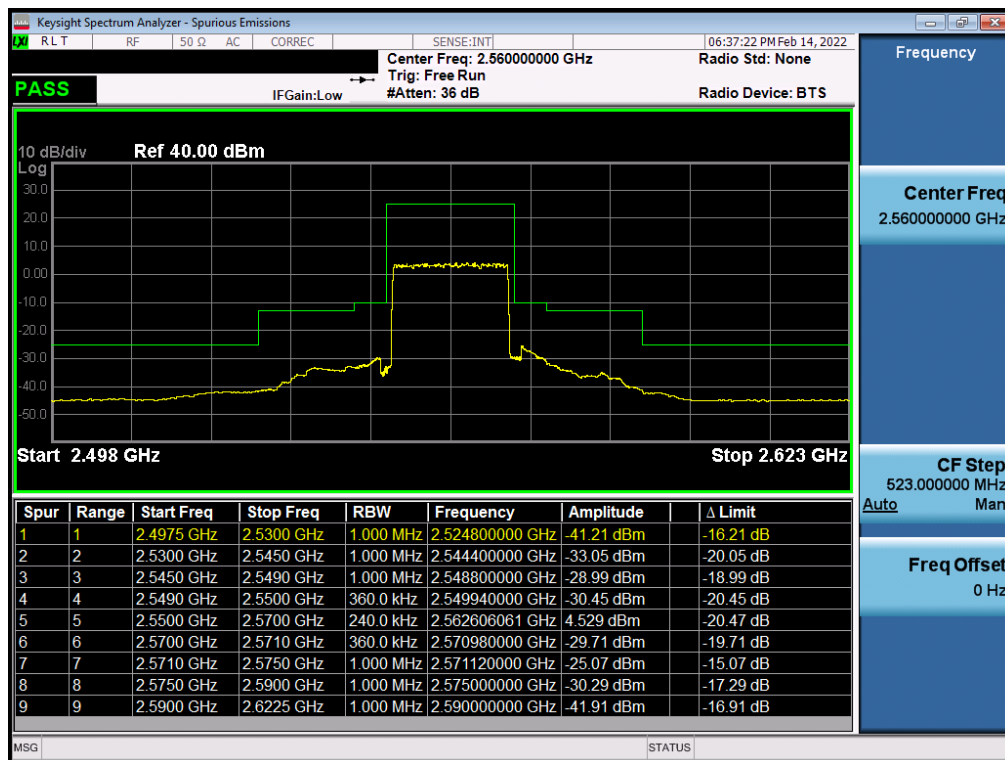


Plot 7-223. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 136 of 266



Plot 7-224. Middle ACP Plot (LTE Band 7 - 10MHz QPSK - Full RB)

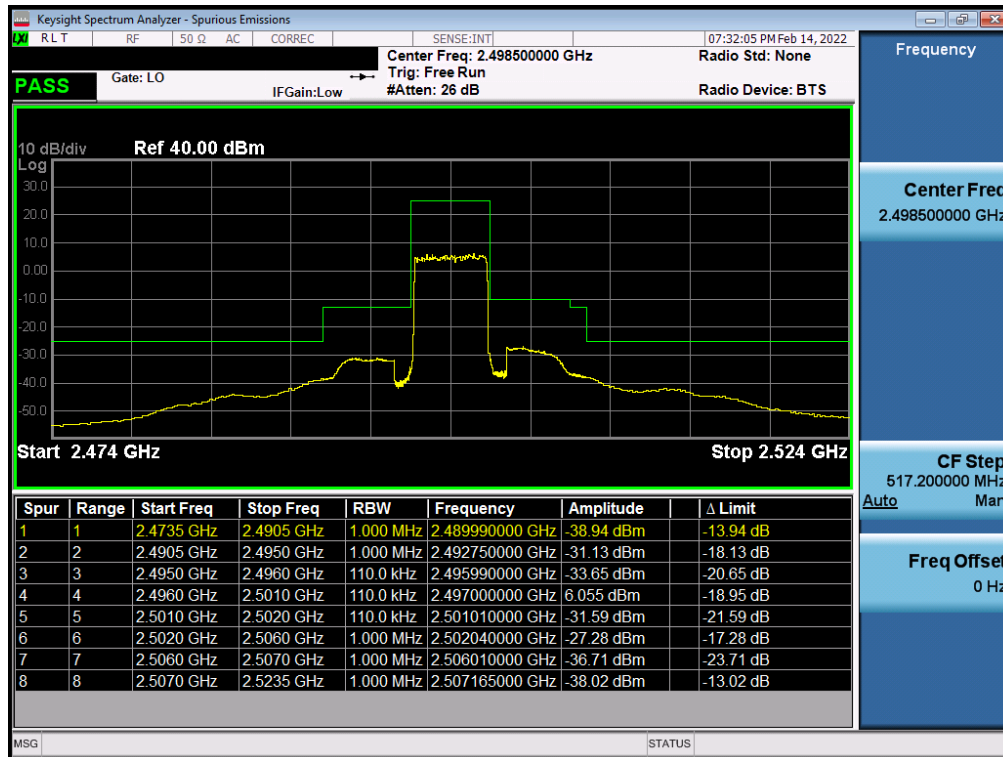


Plot 7-225. Upper ACP Plot (LTE Band 7 - 20MHz QPSK - Full RB)

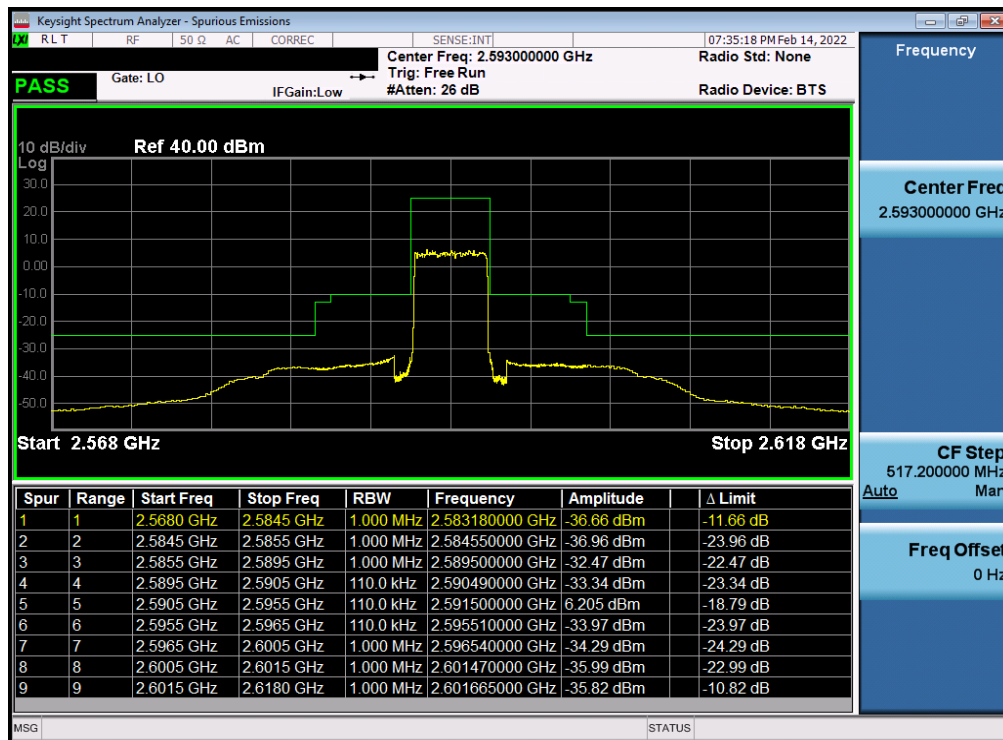
FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 137 of 266



## LTE Band 41

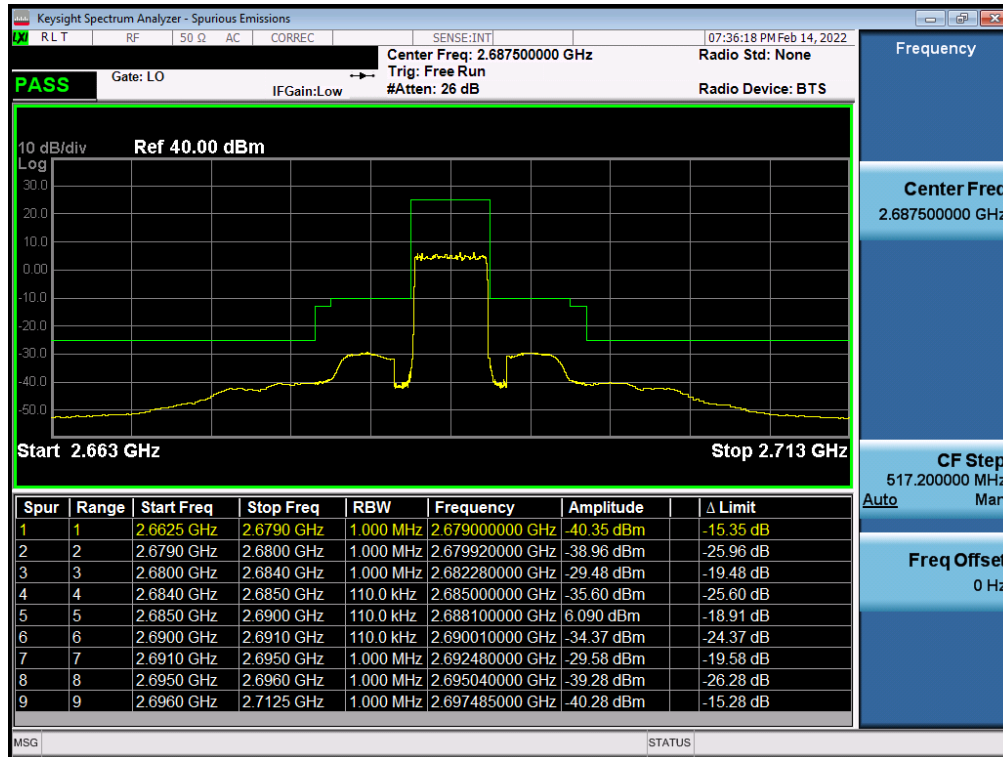


Plot 7-226. Lower ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

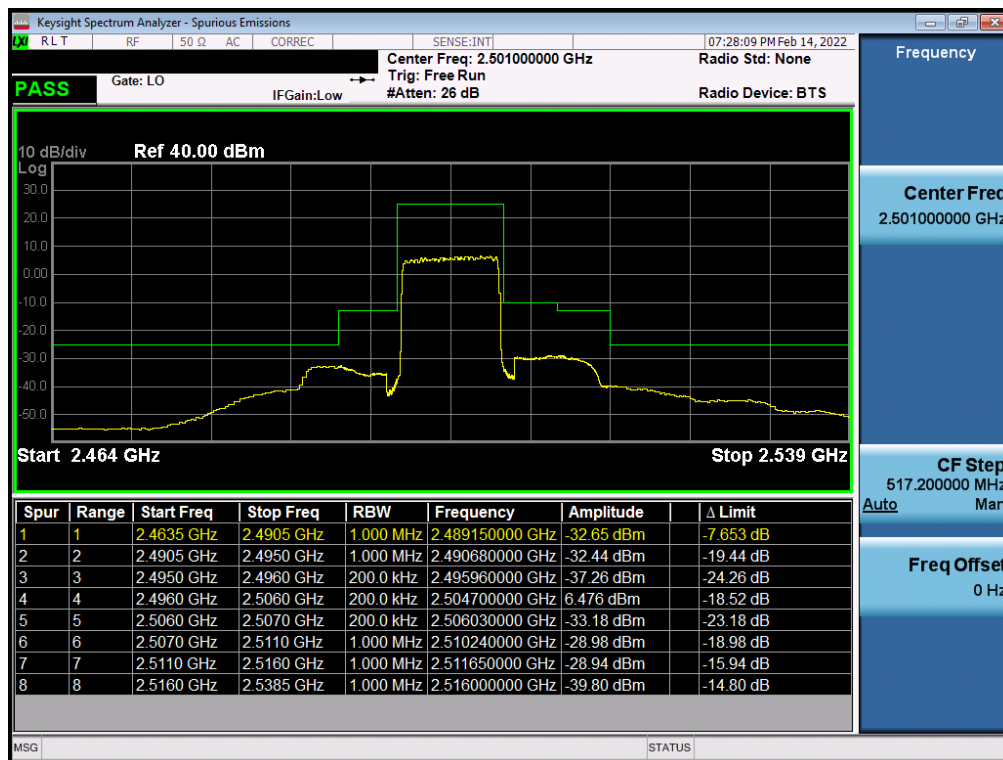


Plot 7-227. Middle ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 138 of 266

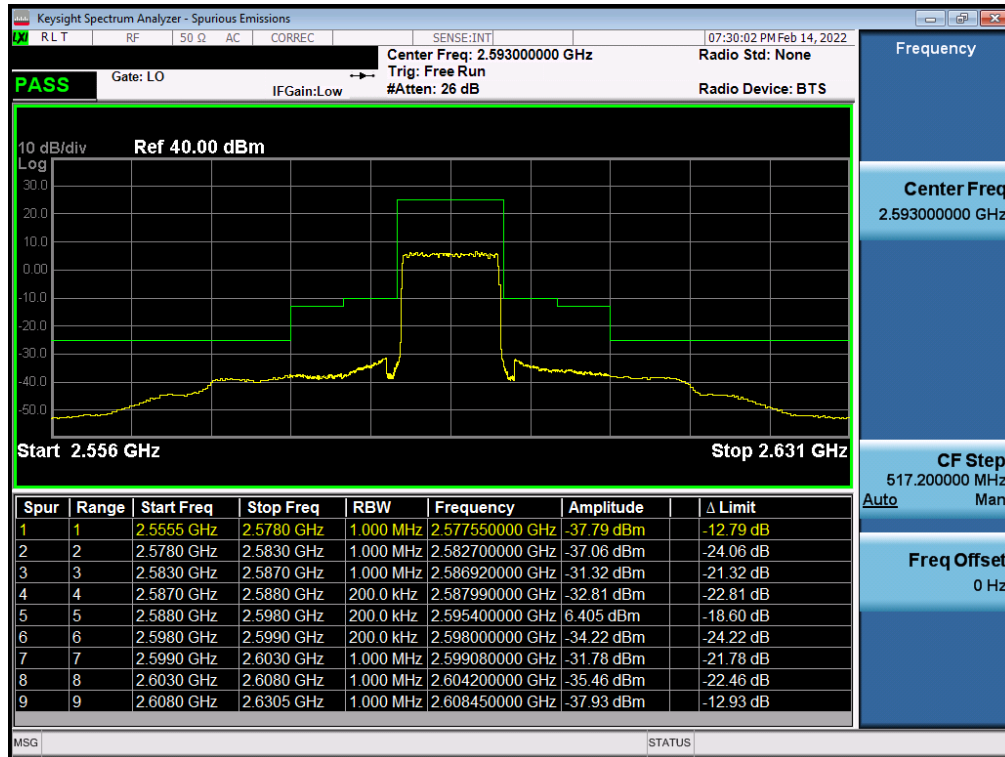


Plot 7-228. Upper ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

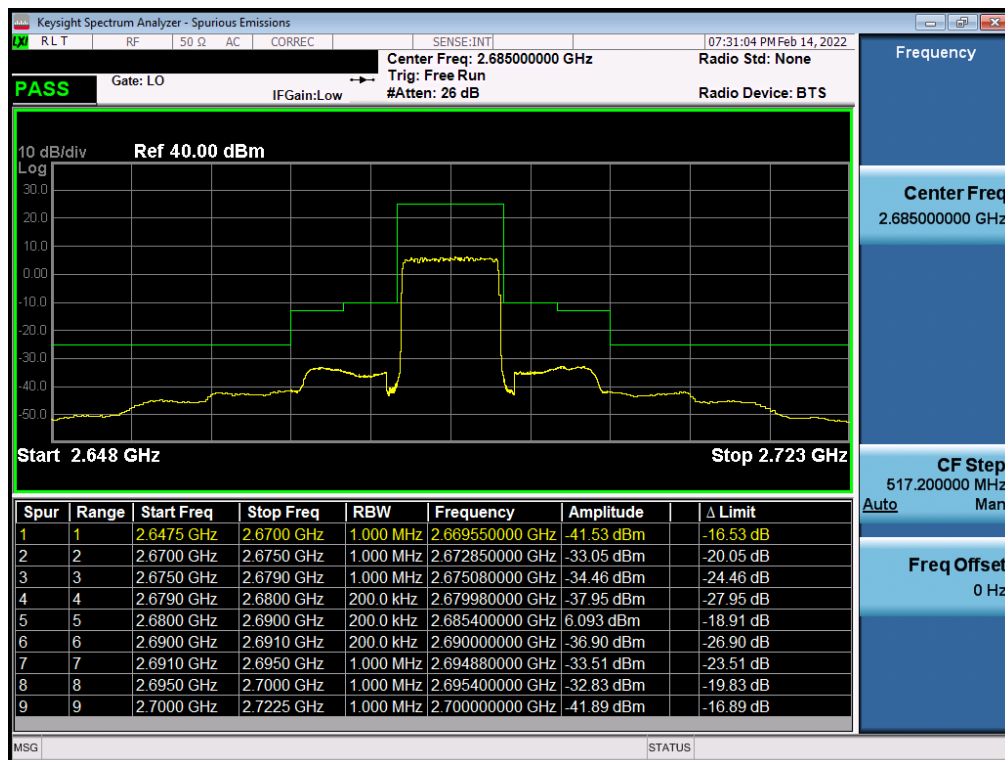


Plot 7-229. Lower ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 139 of 266

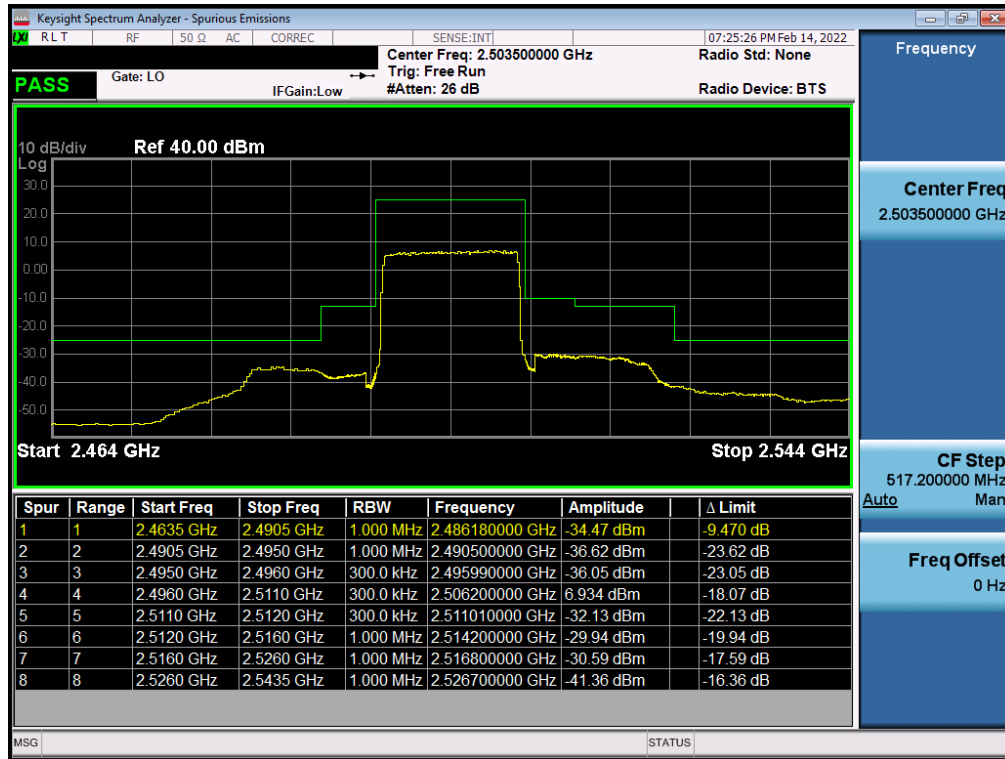


Plot 7-230. Middle ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)

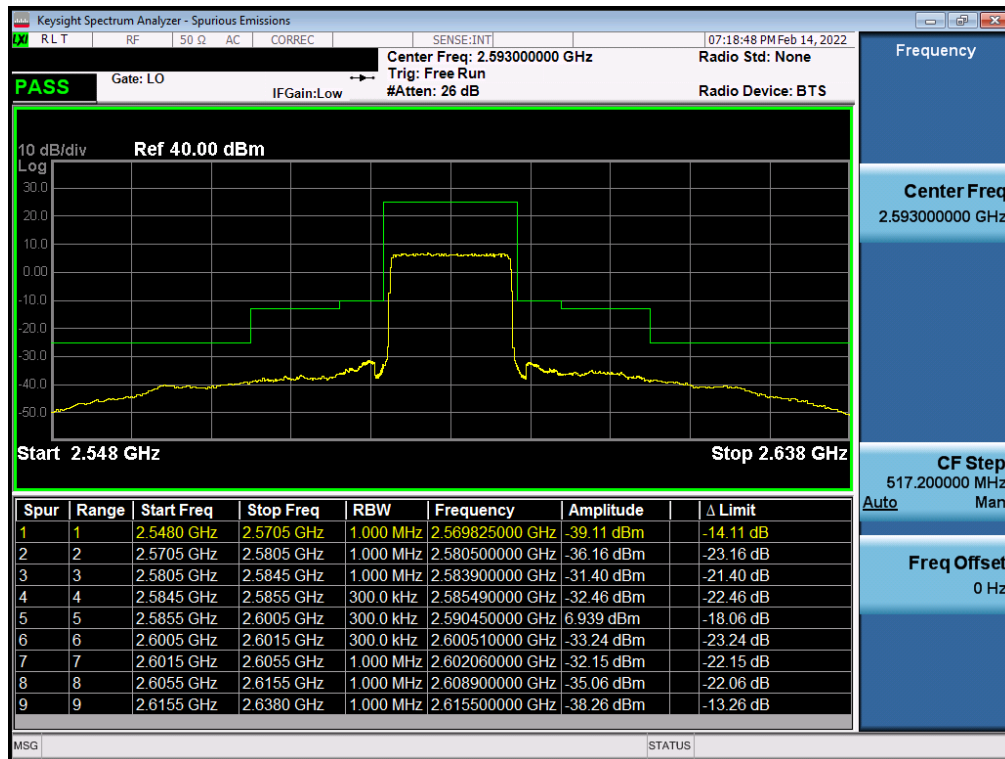


Plot 7-231. Upper ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 140 of 266

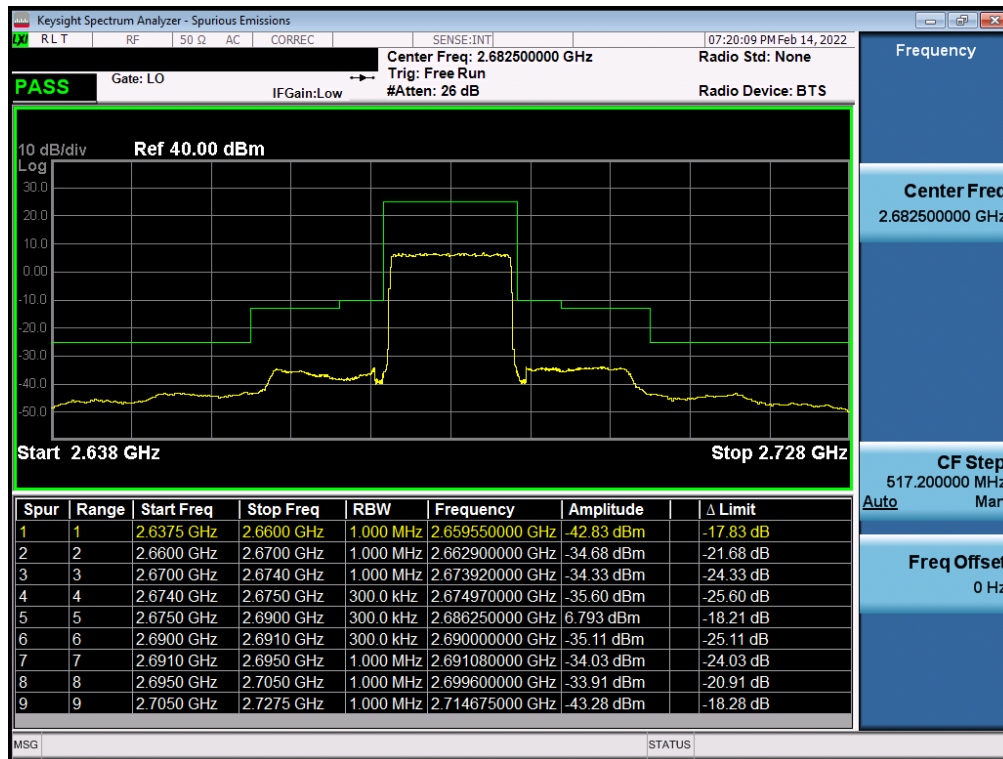


Plot 7-232. Lower ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)

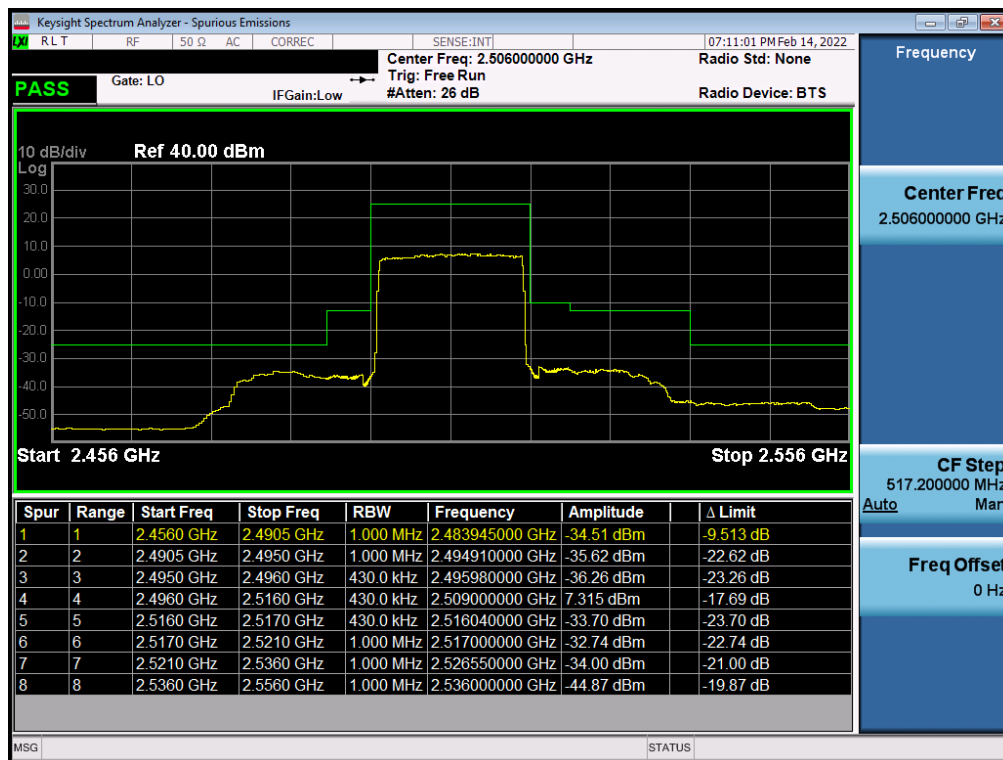


Plot 7-233. Middle ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 141 of 266

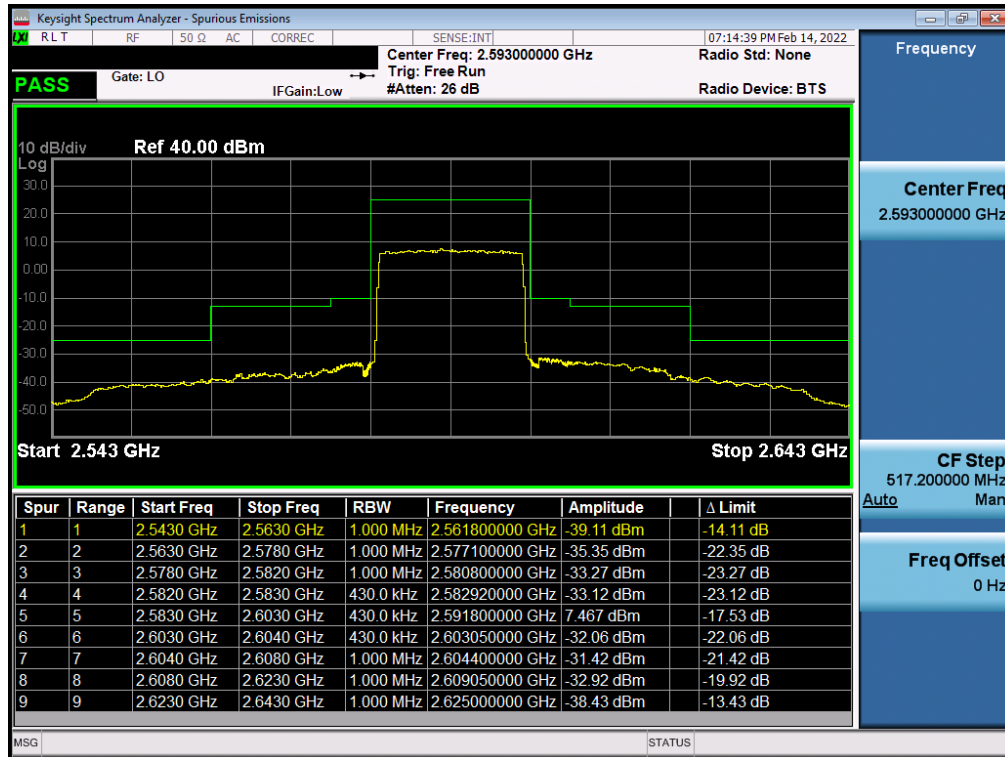


Plot 7-234. Upper ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)

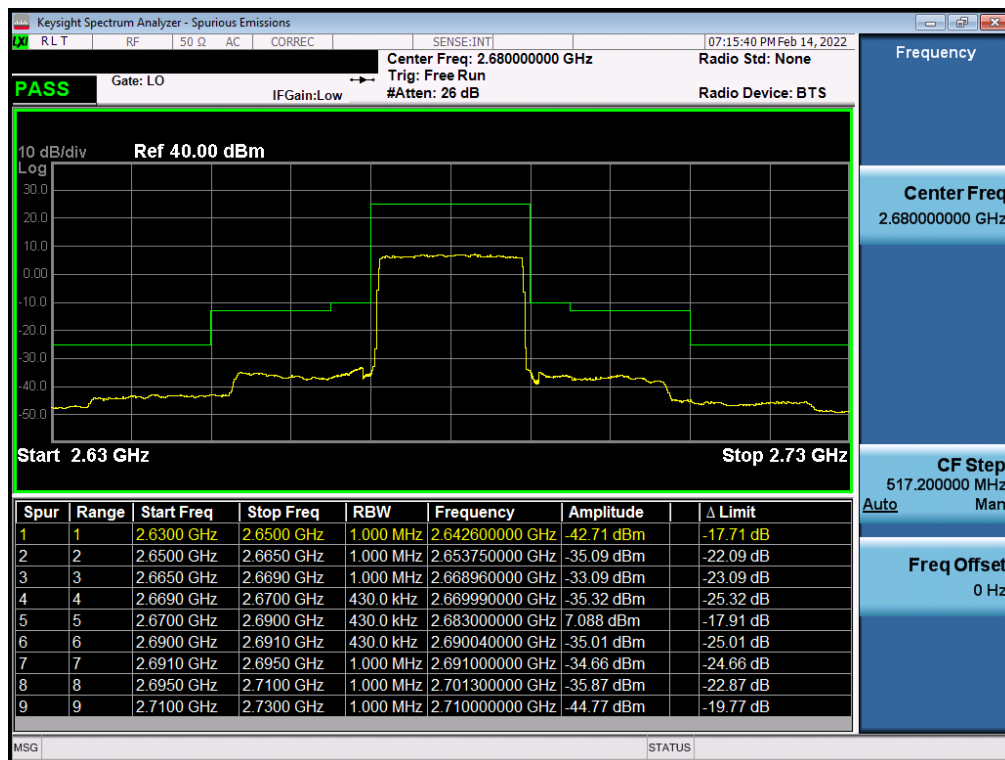


Plot 7-235. Lower ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device		Page 142 of 266



Plot 7-236. Middle ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)

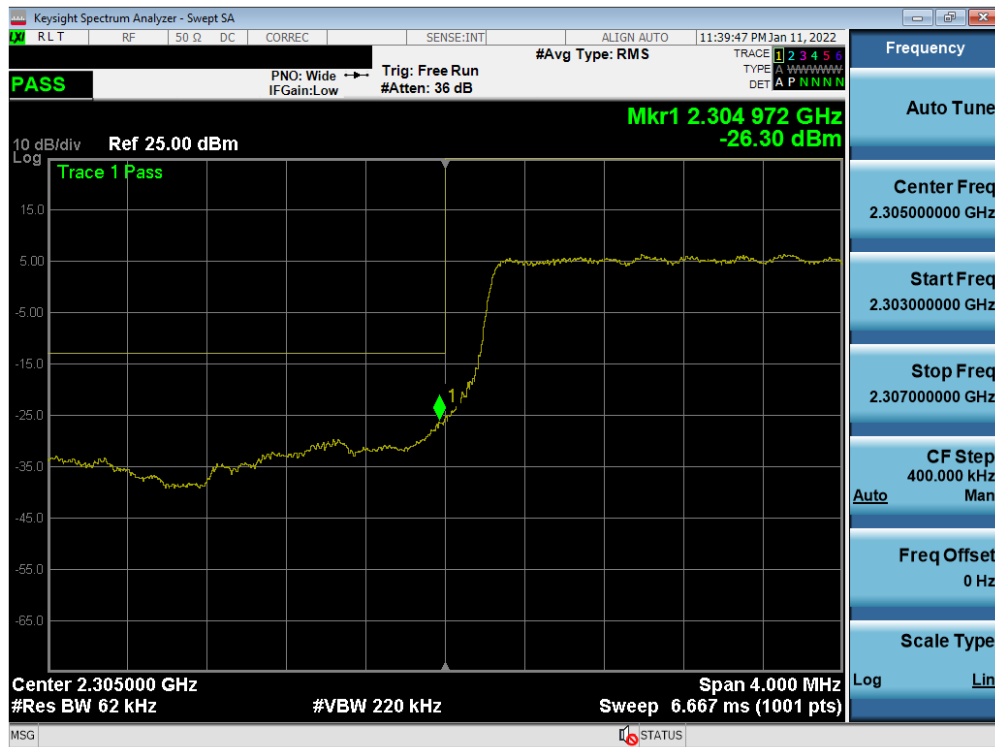


Plot 7-237. Upper ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)

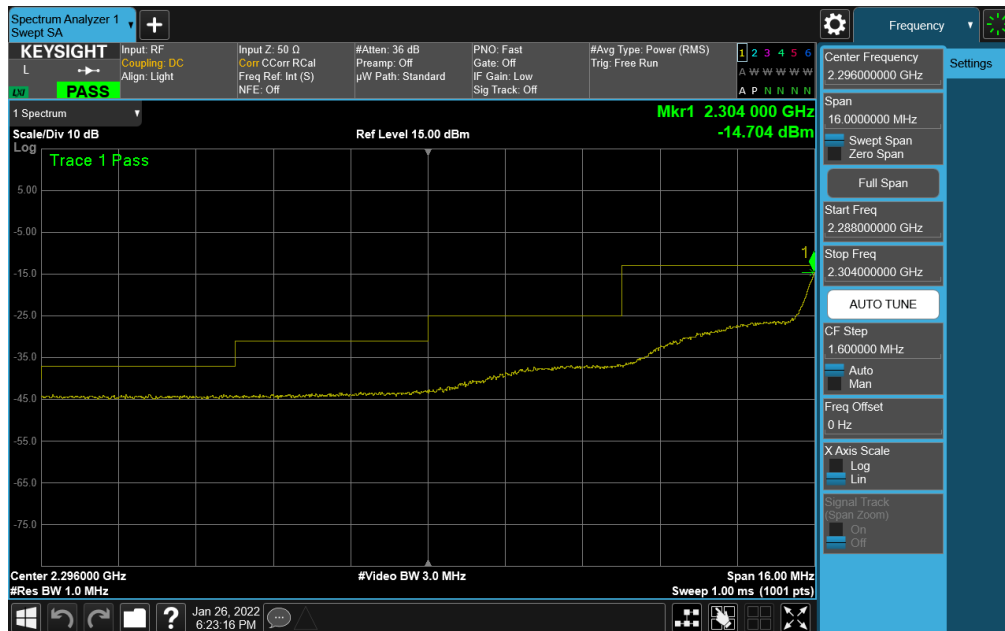
FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 143 of 266



## NR Band n30



Plot 7-238. Lower Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



Plot 7-239. Extended Lower Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 144 of 266

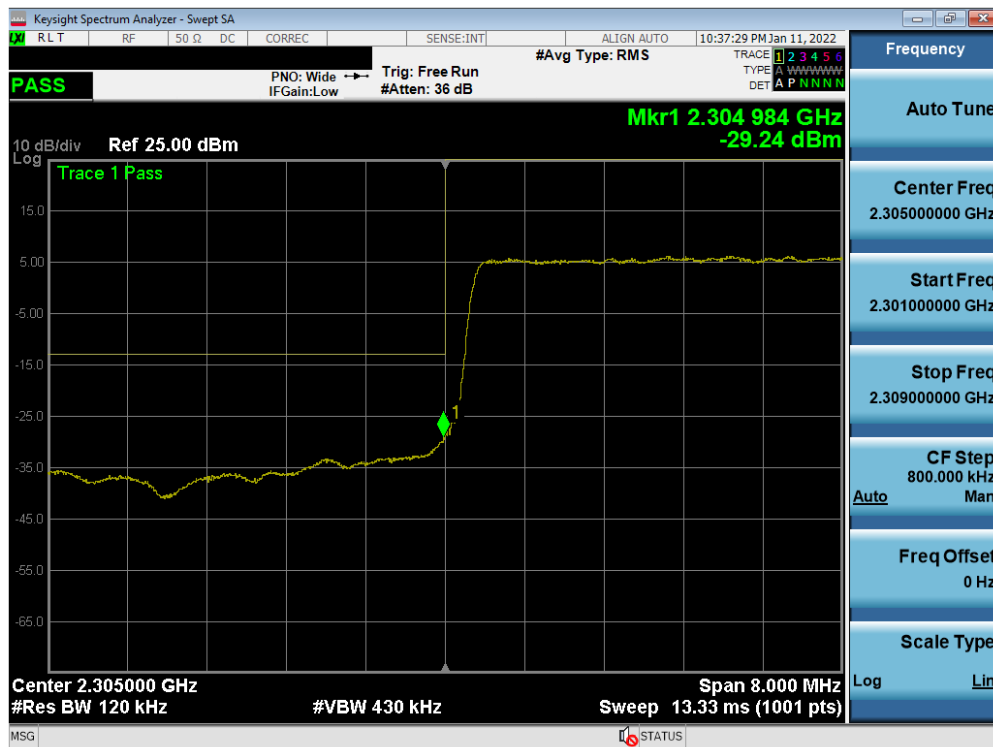


Plot 7-240. Upper Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM QPSK – Full RB)



Plot 7-241. Extended Upper Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 145 of 266



Plot 7-242. Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



Plot 7-243. Extended Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 146 of 266



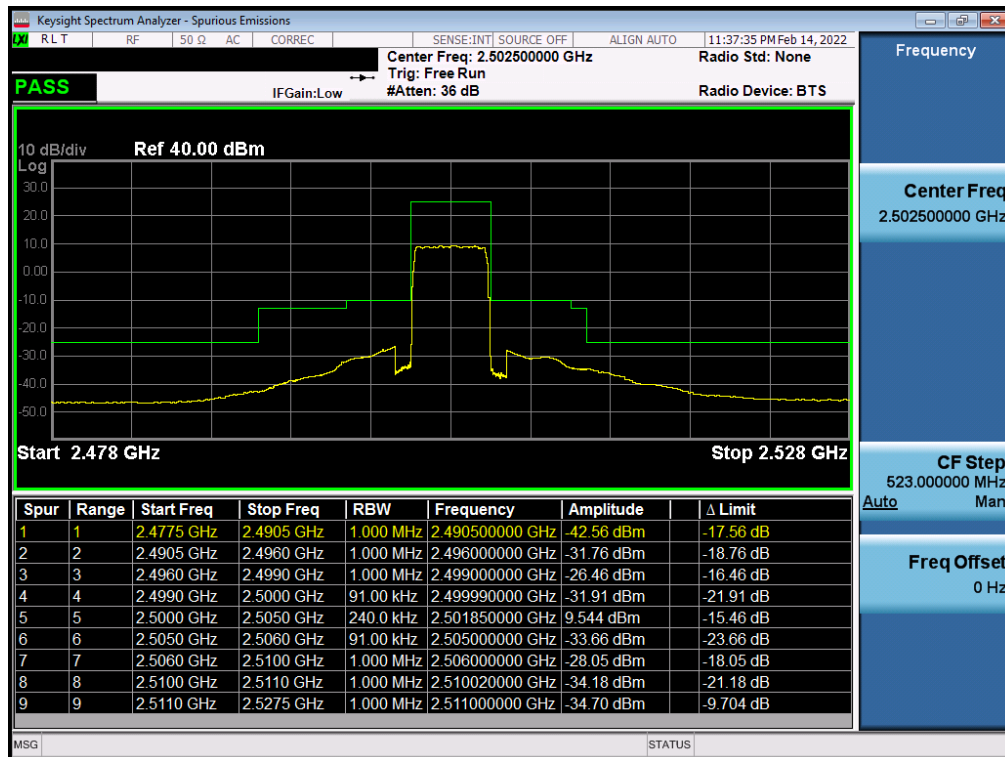
Plot 7-244. Upper Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



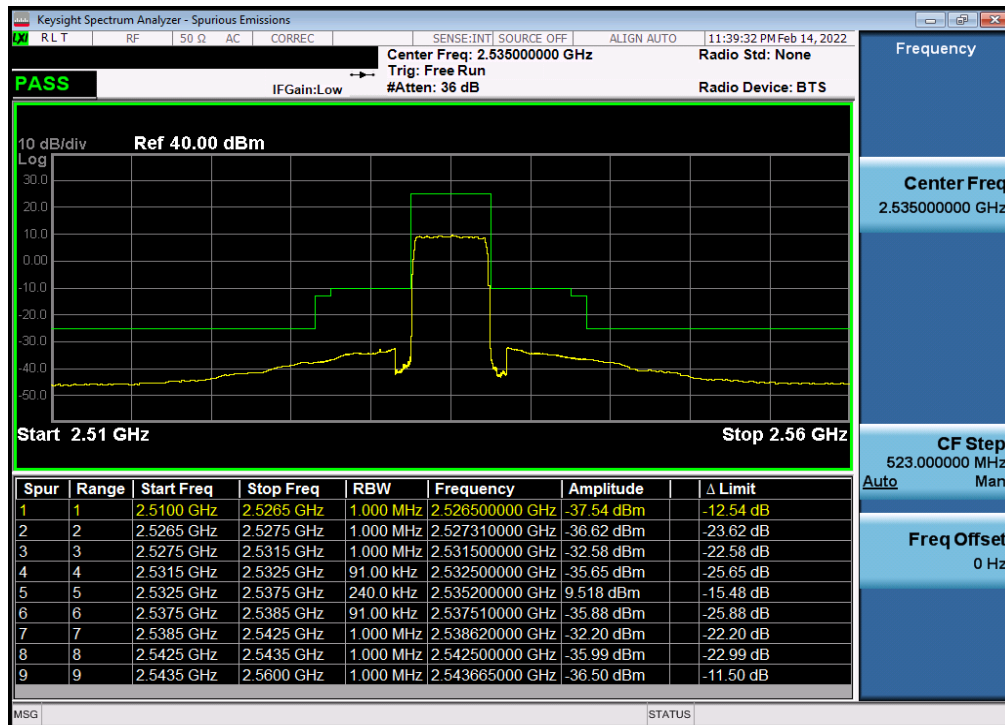
Plot 7-245. Extended Upper Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 147 of 266

## NR Band n7

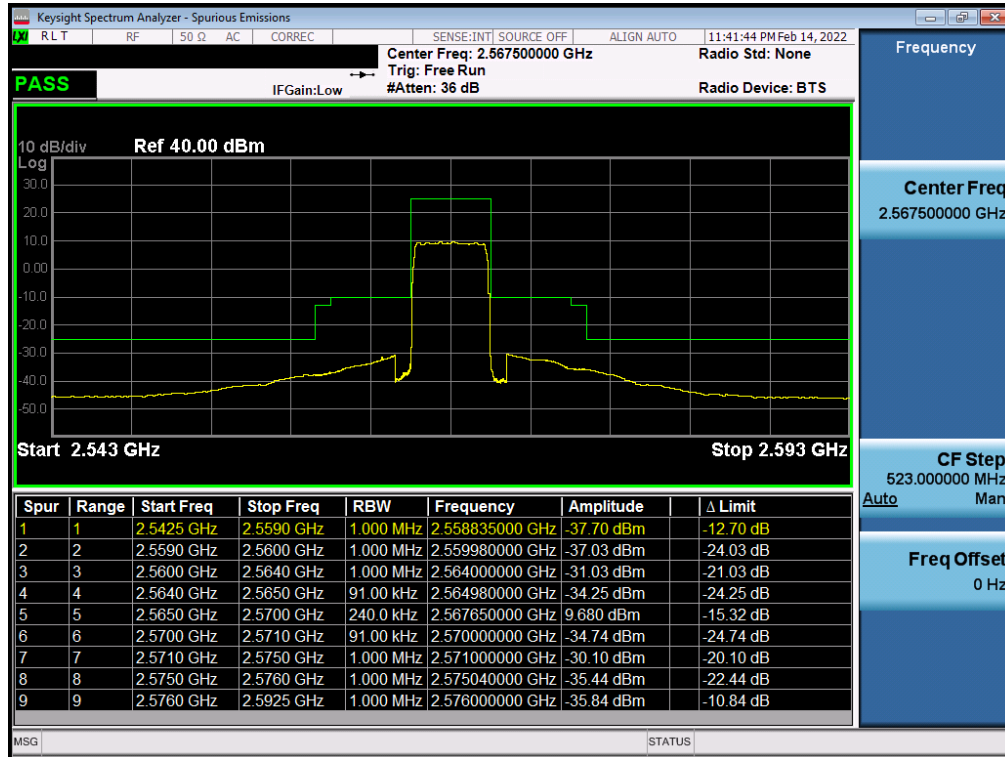


Plot 7-246. Lower Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

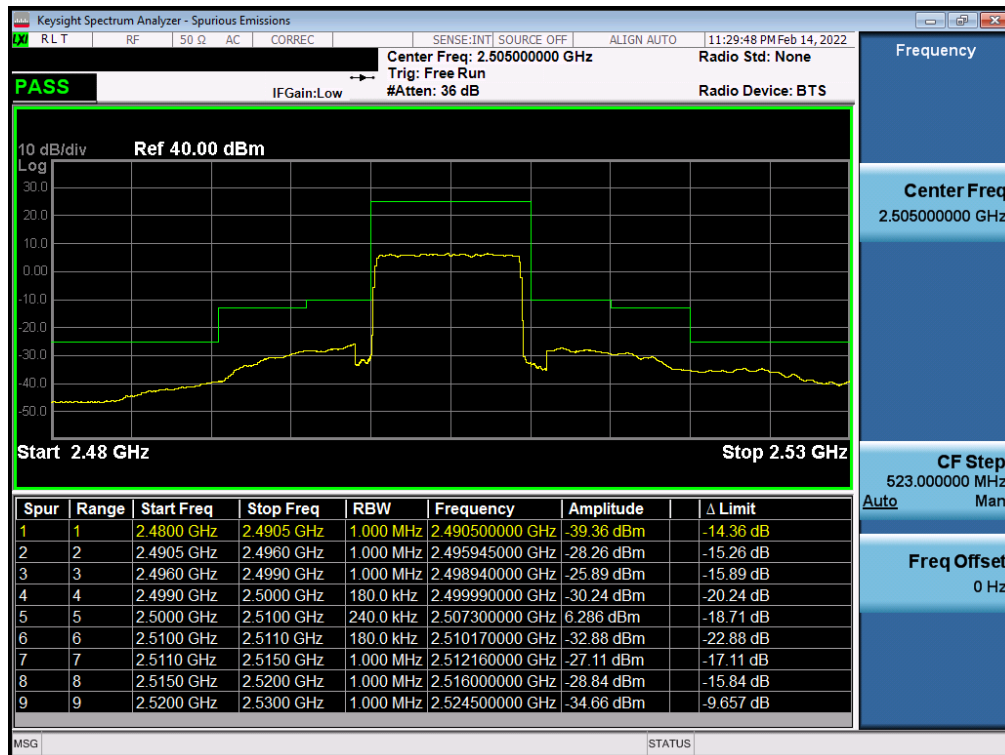


Plot 7-247. Middle Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 148 of 266



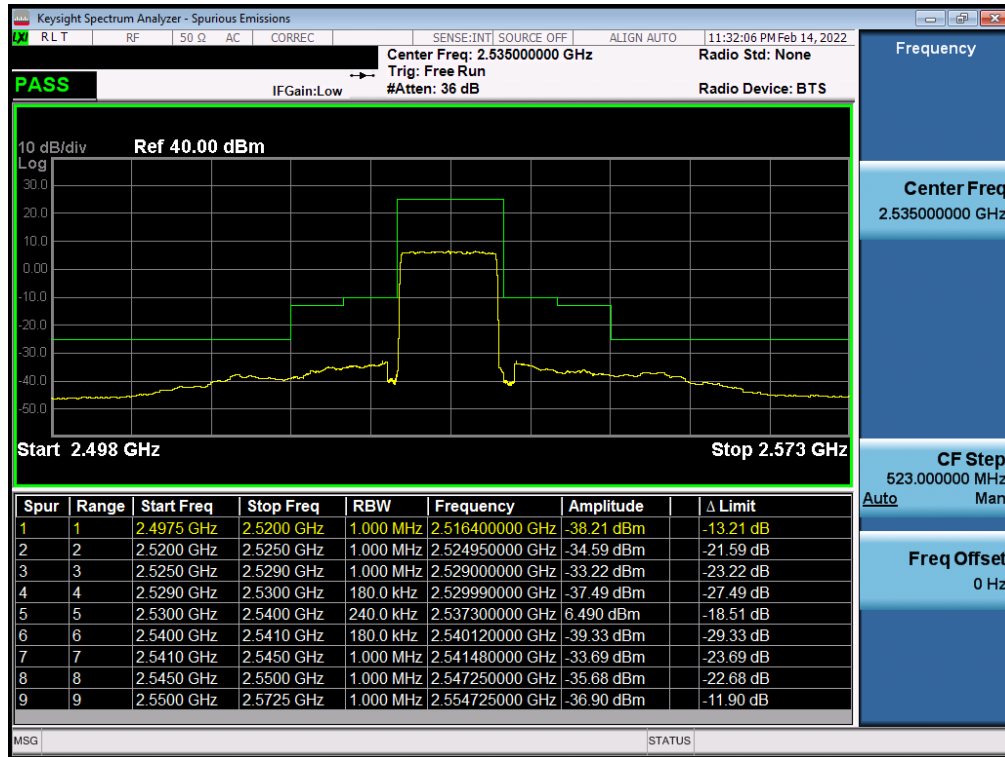
Plot 7-248. Upper Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



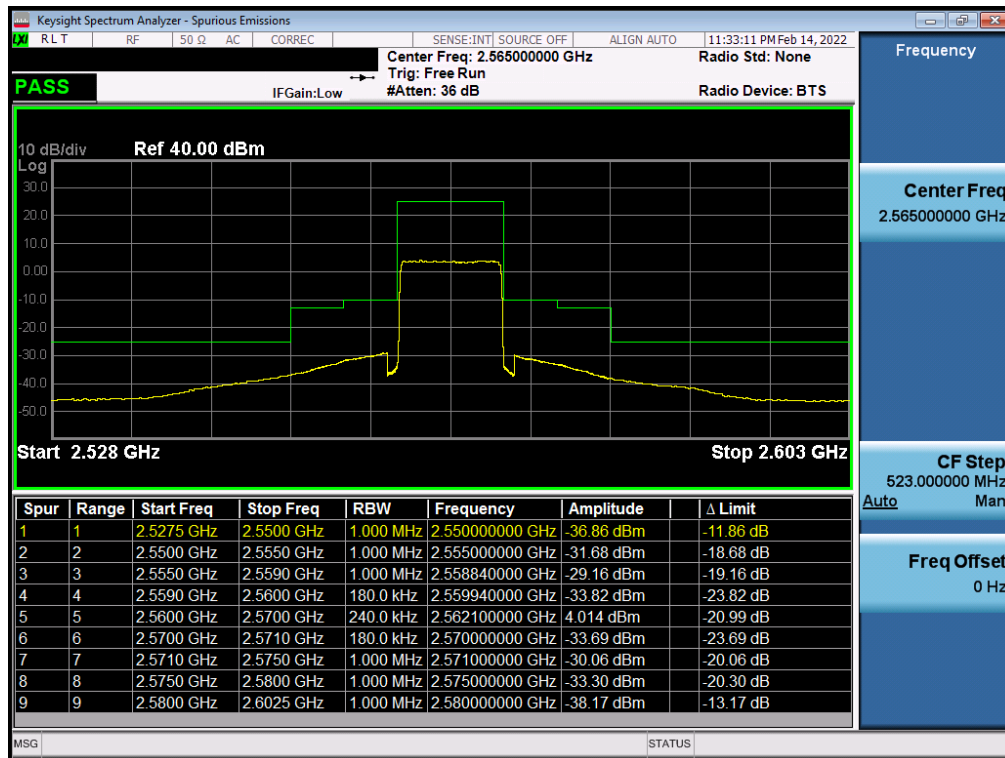
Plot 7-249. Lower Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 149 of 266



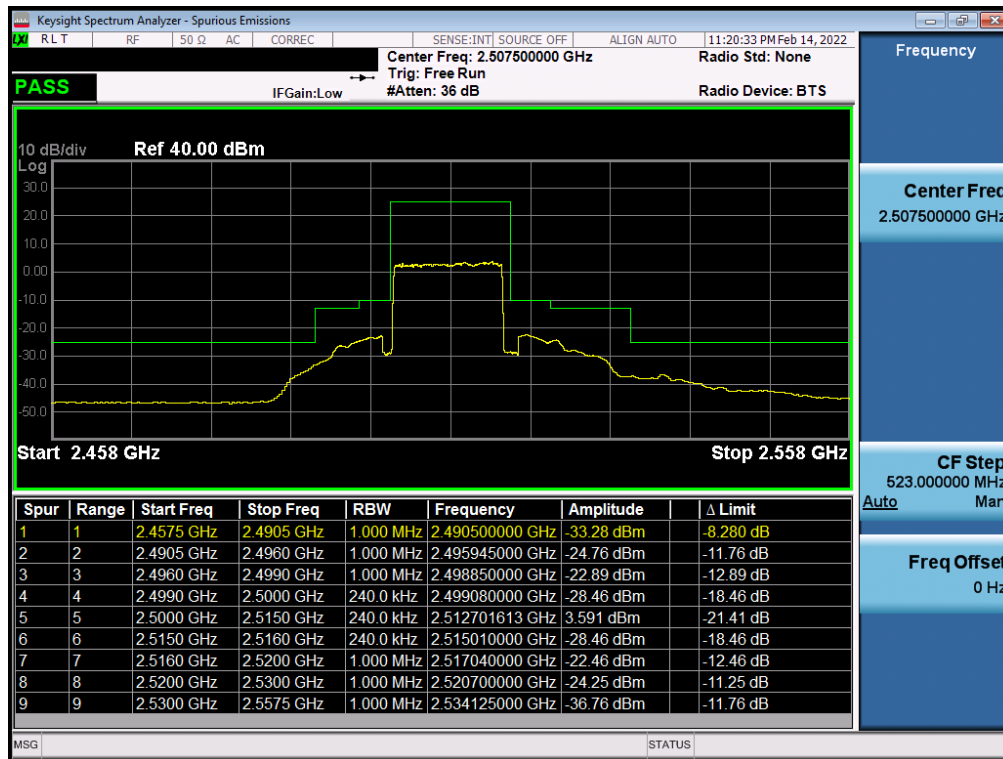


Plot 7-250. Middle Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

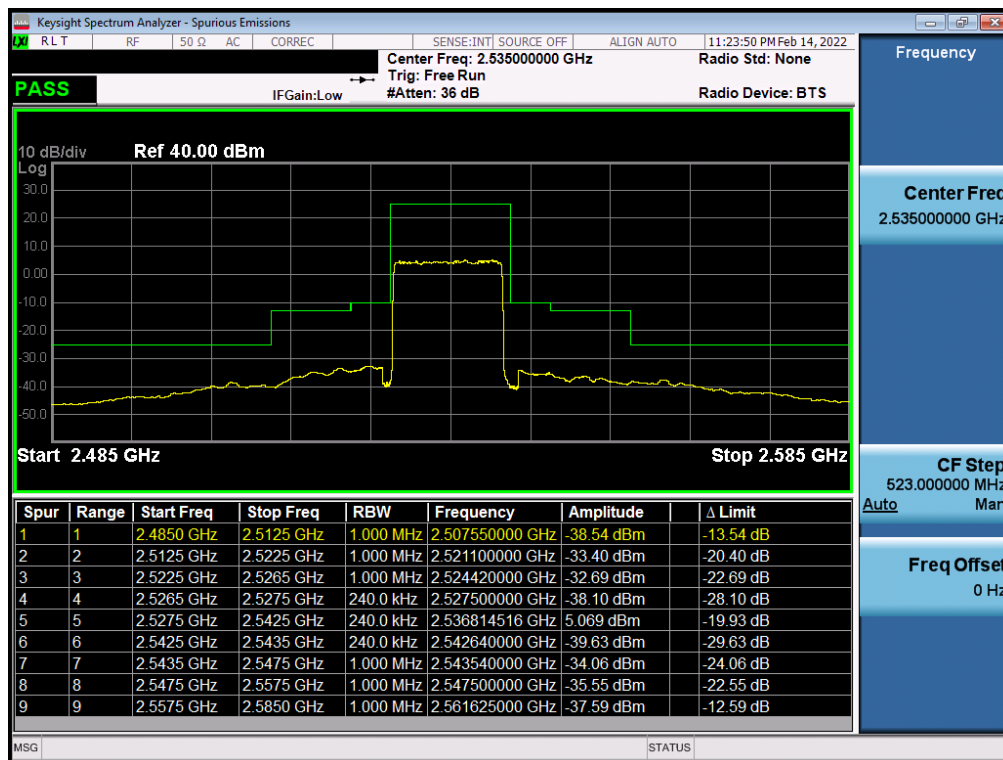


Plot 7-251. Upper Band Edge Plot (NR Band n7 - 10MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 150 of 266

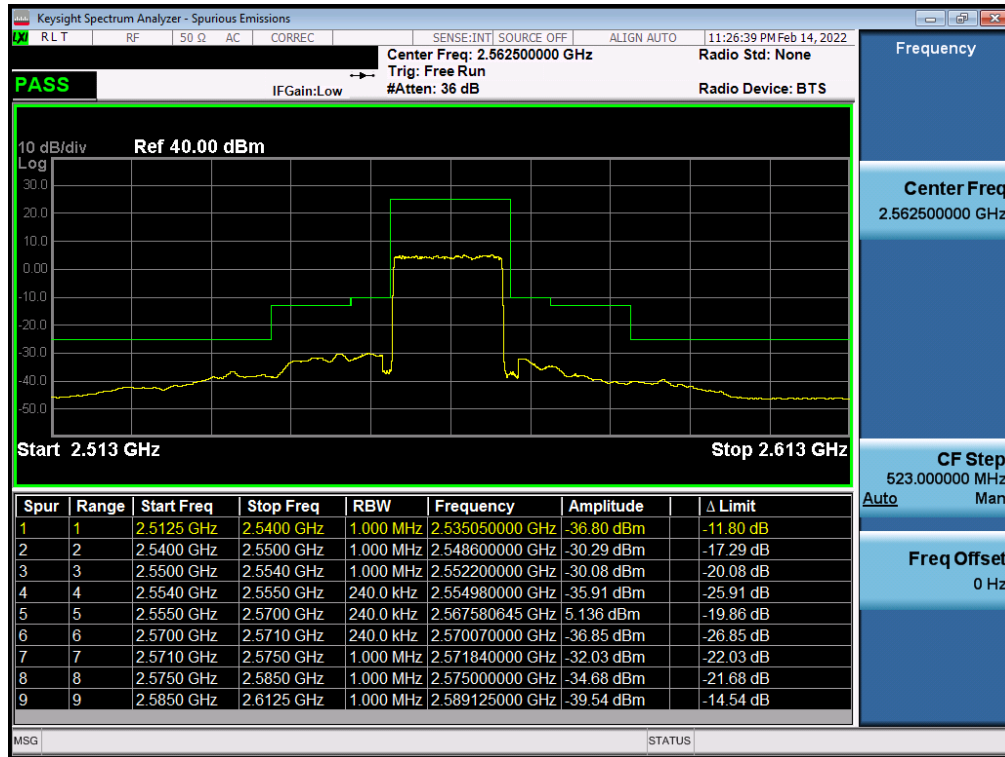


Plot 7-252. Lower Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK - Full RB)

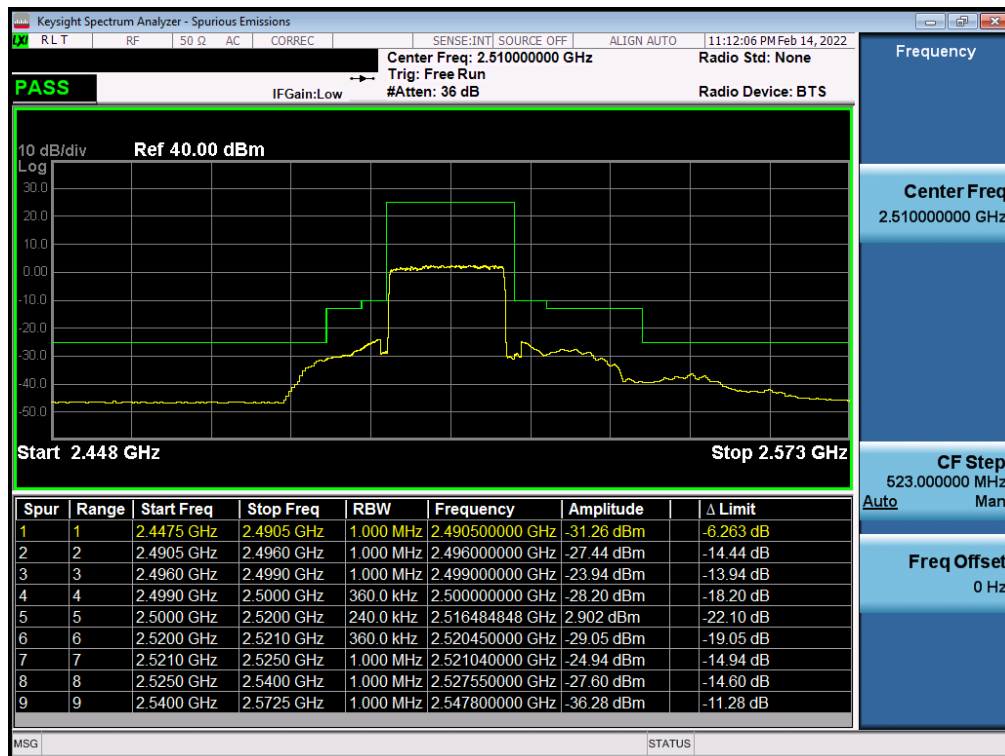


Plot 7-253. Middle Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 151 of 266

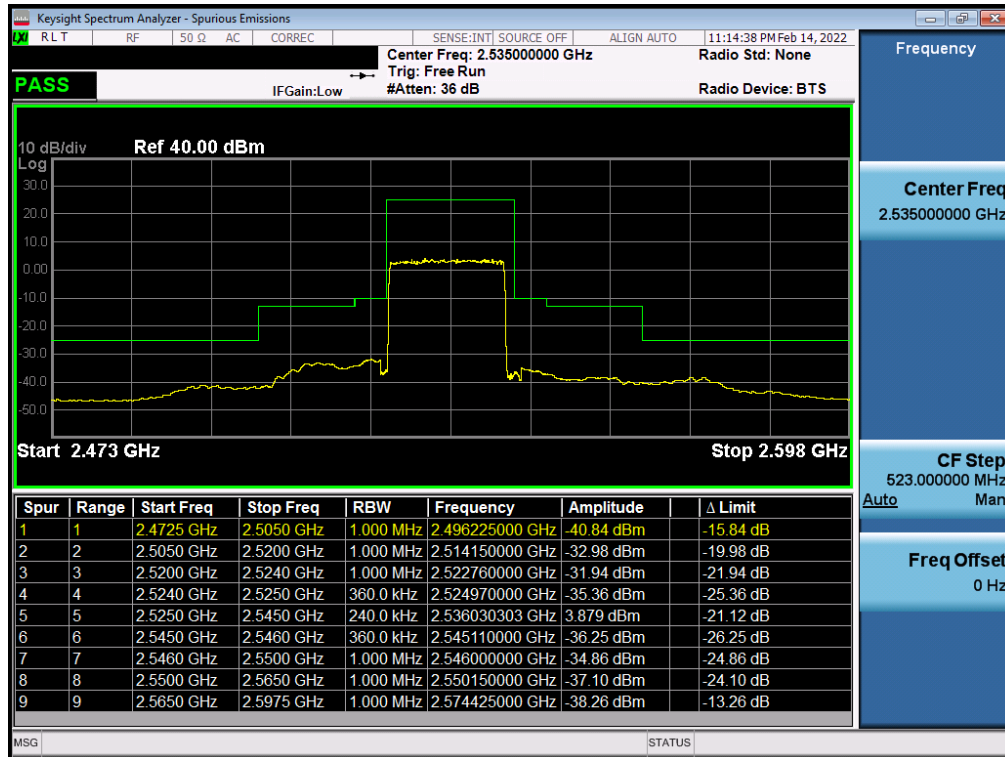


Plot 7-254. Upper Band Edge Plot (NR Band n7 - 15MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

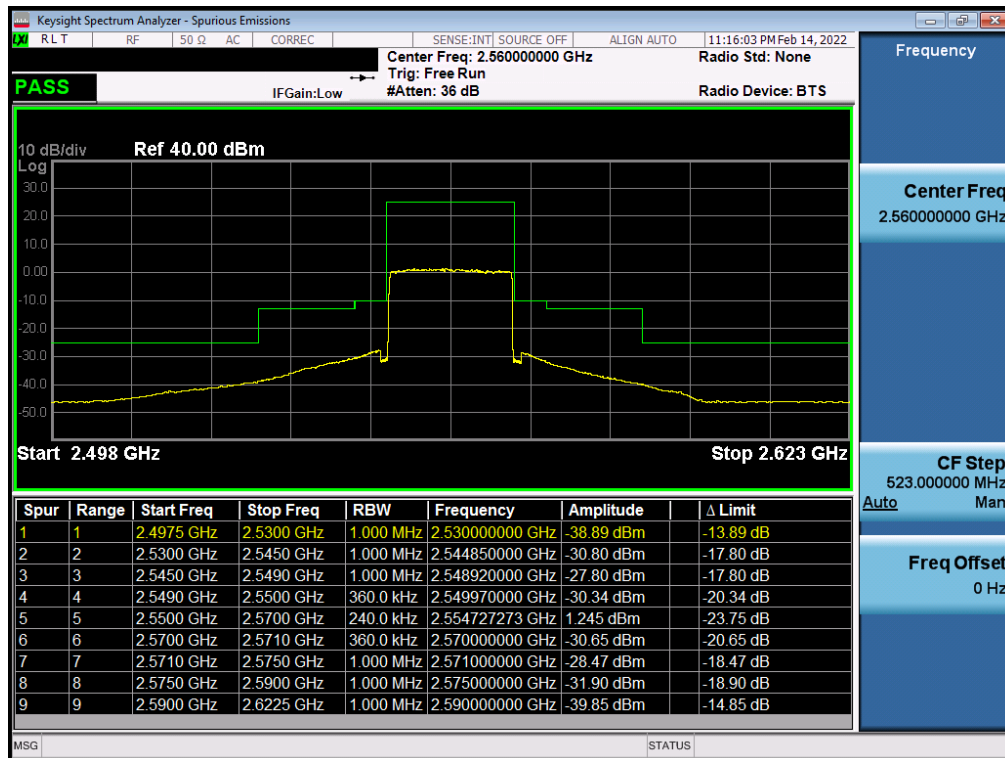


Plot 7-255. Lower Band Edge Plot (NR Band n7 - 20MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 152 of 266

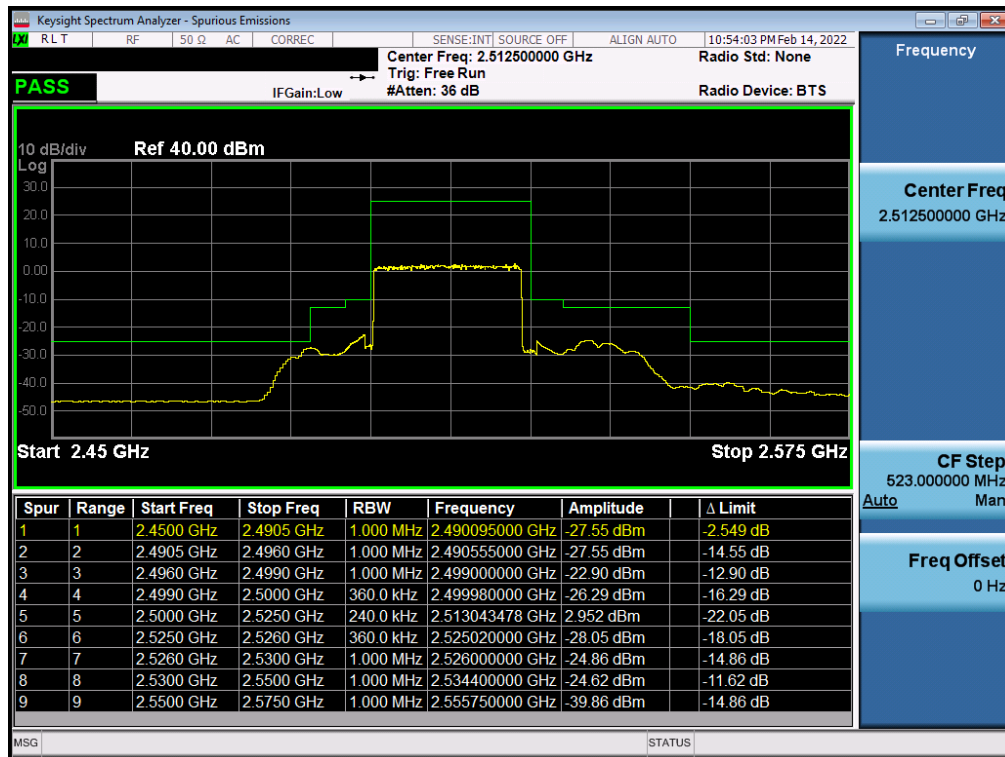


Plot 7-256. Middle Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

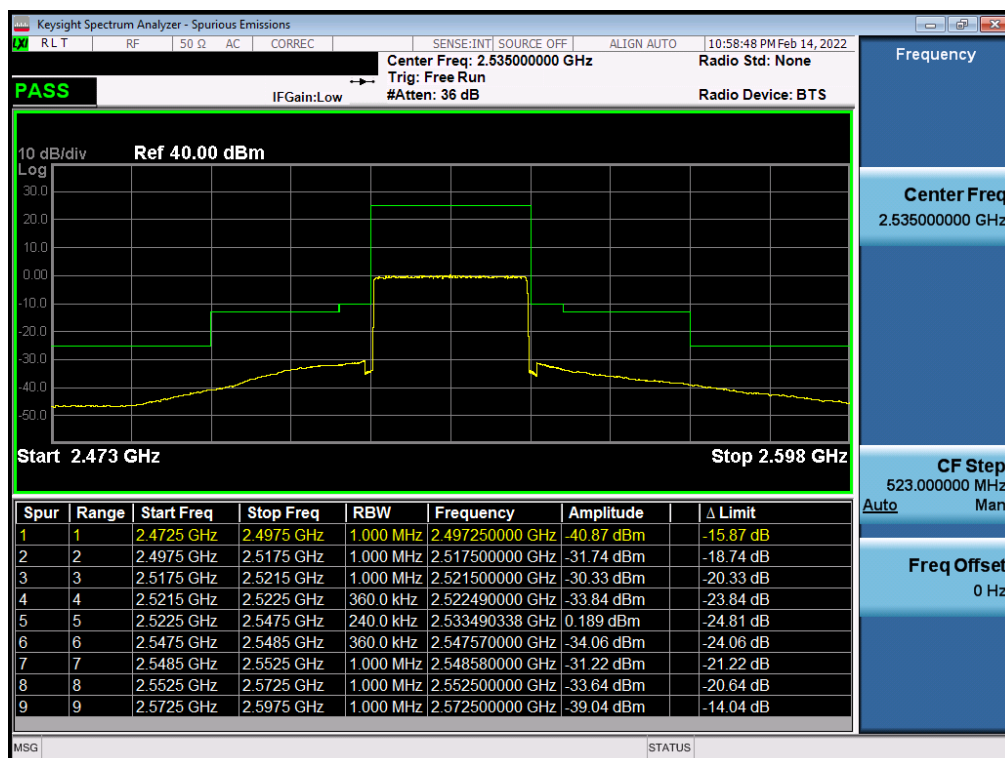


Plot 7-257. Upper Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 153 of 266



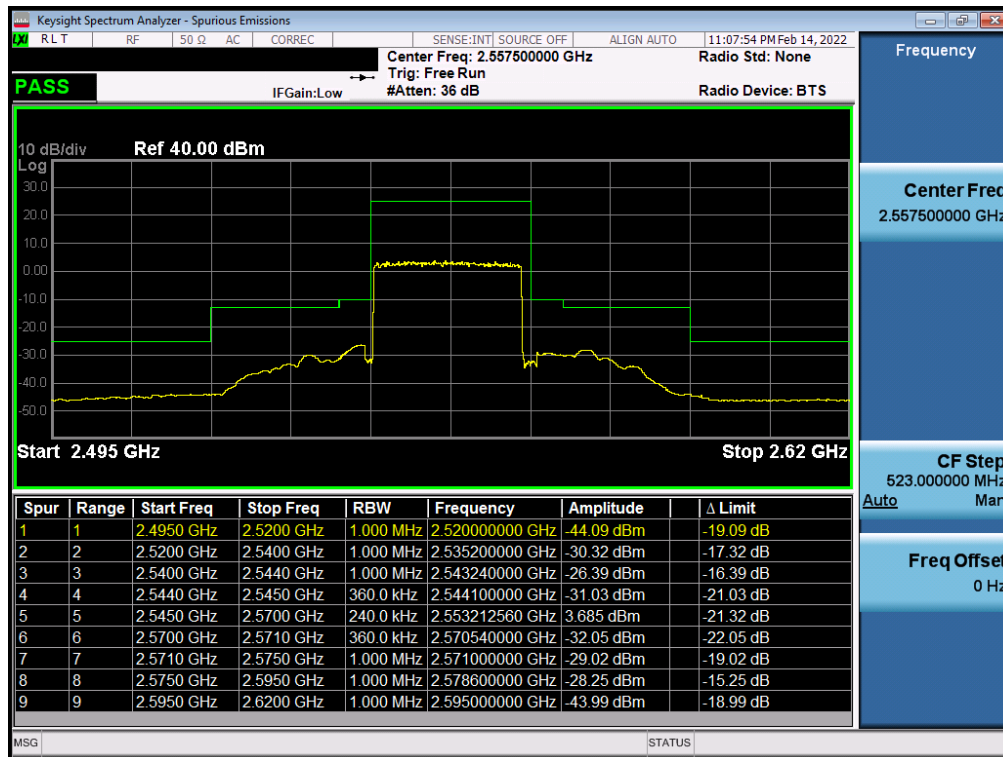
Plot 7-258. Lower Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



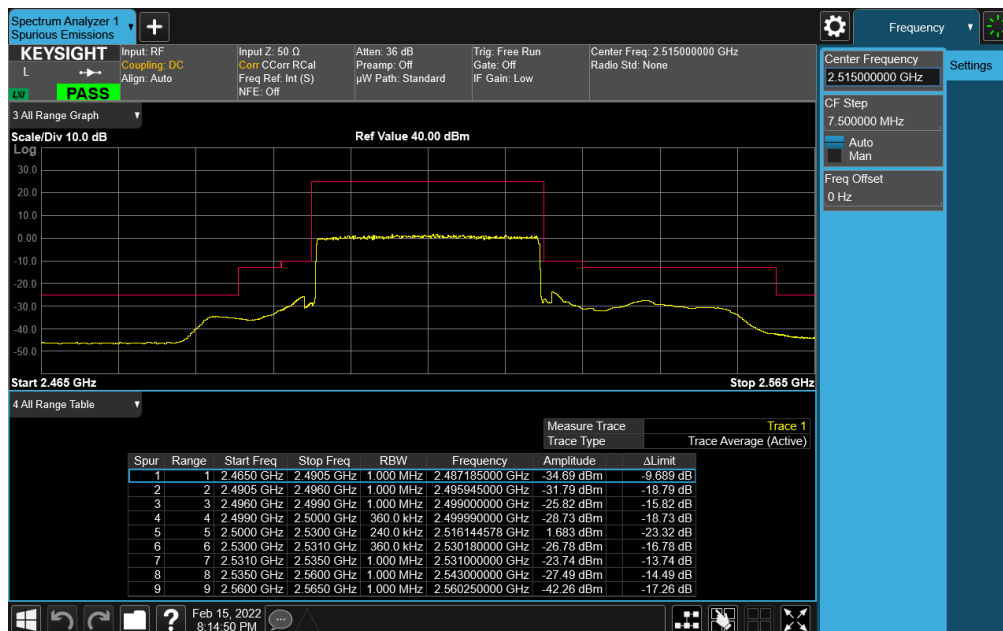
Plot 7-259. Middle Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 154 of 266





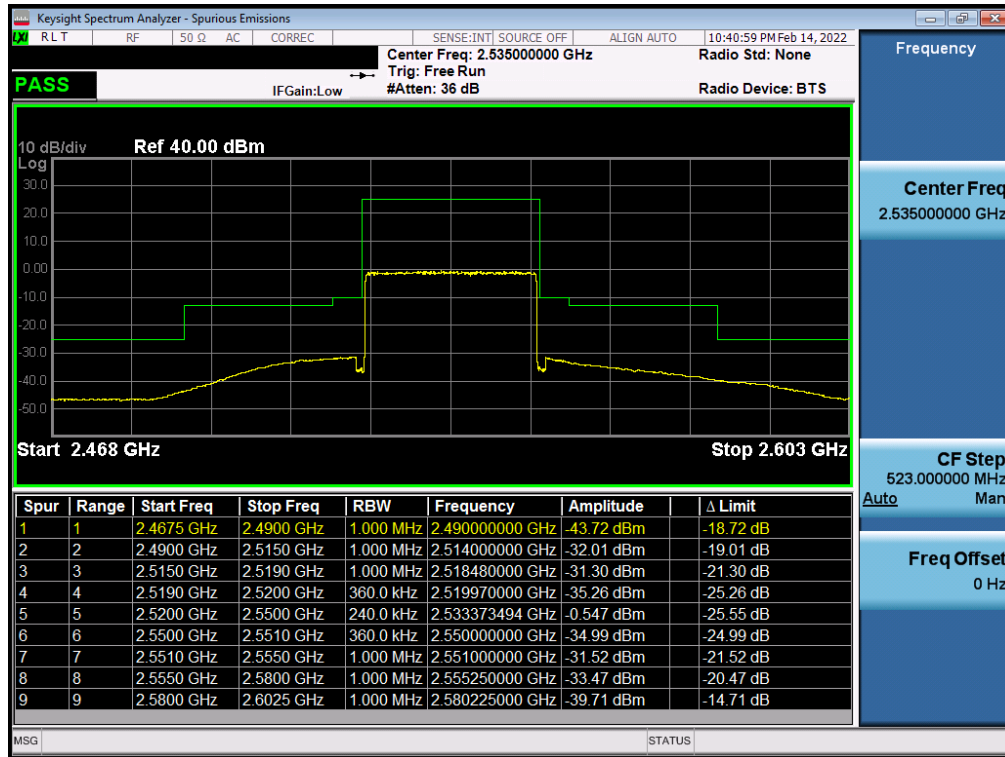
Plot 7-260. Upper Band Edge Plot (NR Band n7 - 25MHz CP-OFDM QPSK – Full RB)



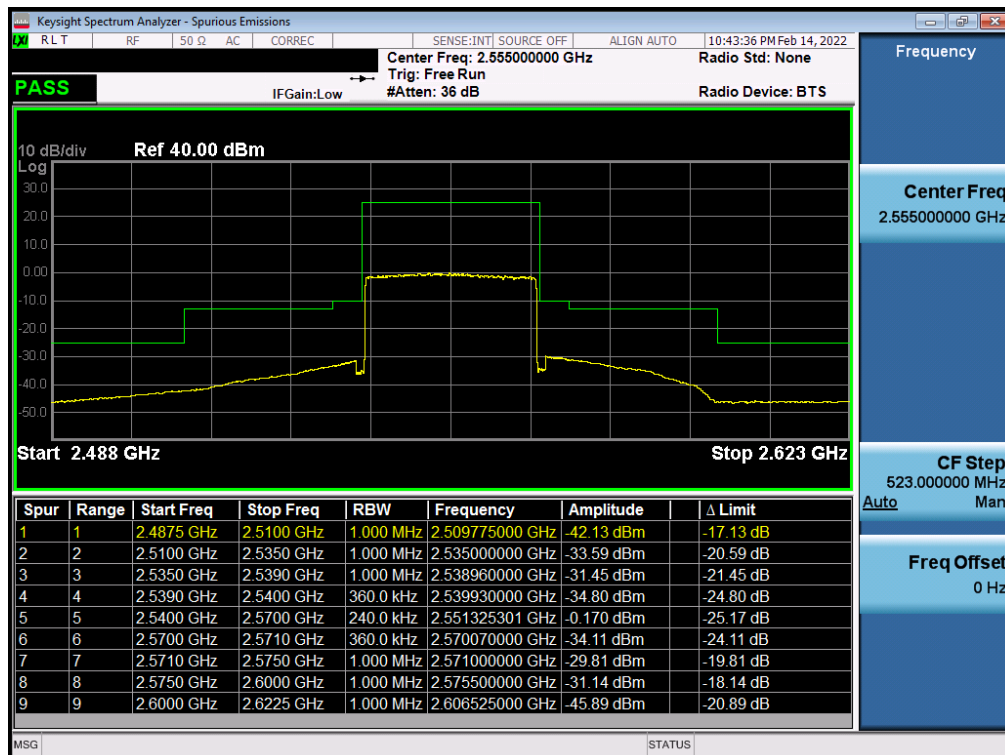
Plot 7-261. Lower Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 155 of 266



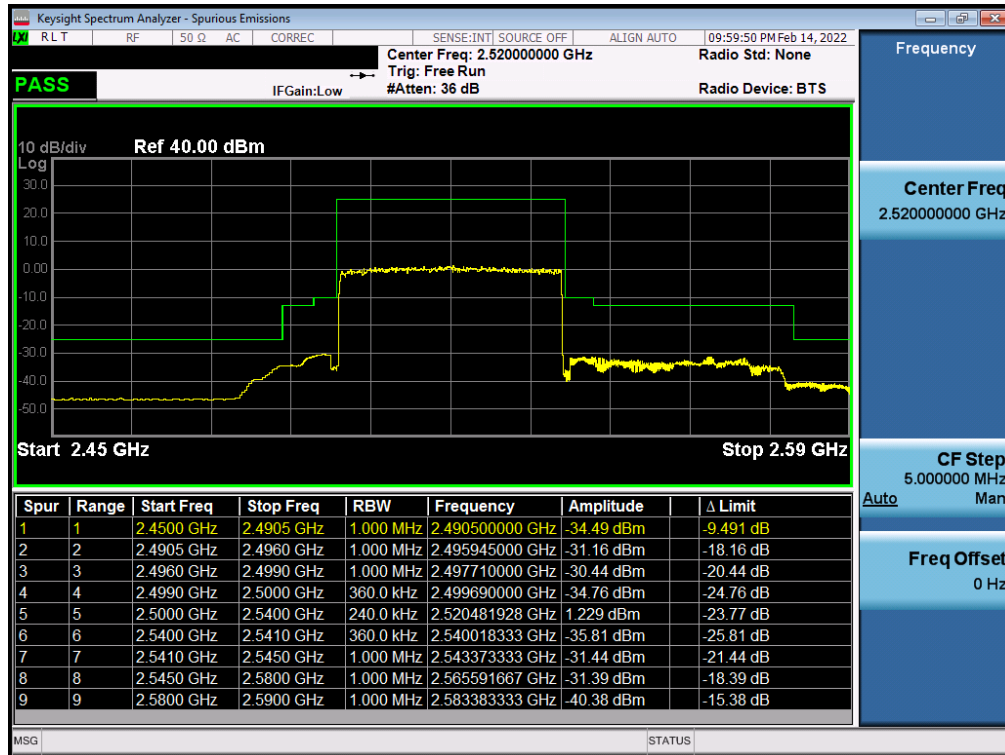


Plot 7-262. Middle Band Edge Plot (NR Band n7 - 30MHz CP-OFDM QPSK – Full RB)

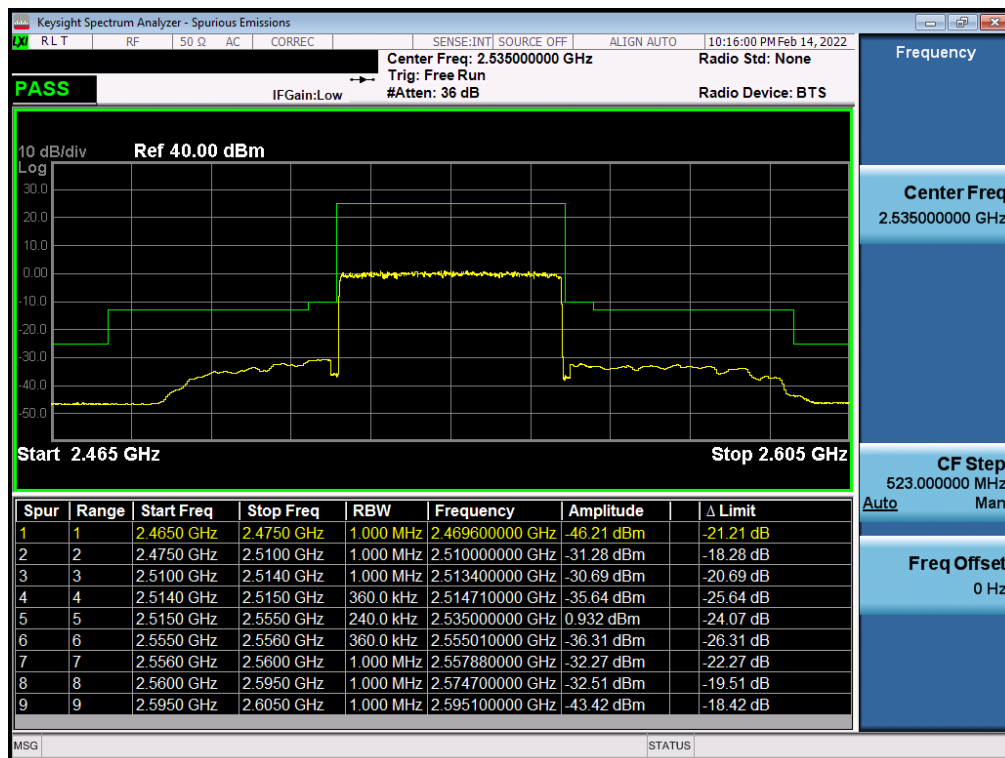


Plot 7-263. Upper Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 156 of 266

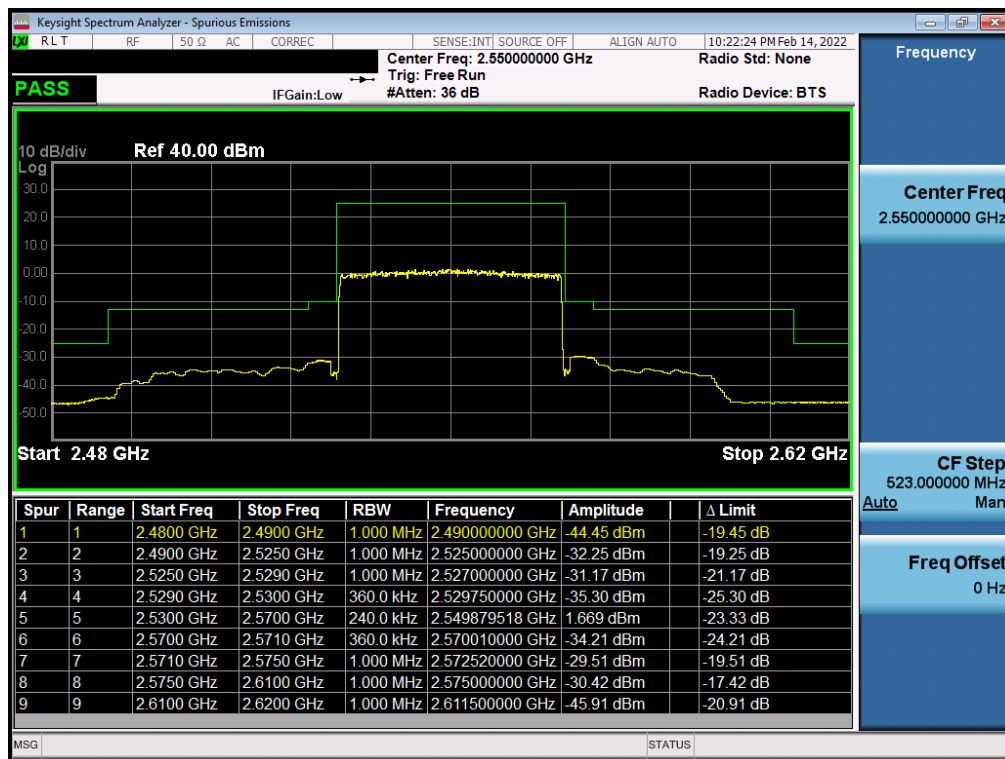


Plot 7-264. Lower Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



Plot 7-265. Middle Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

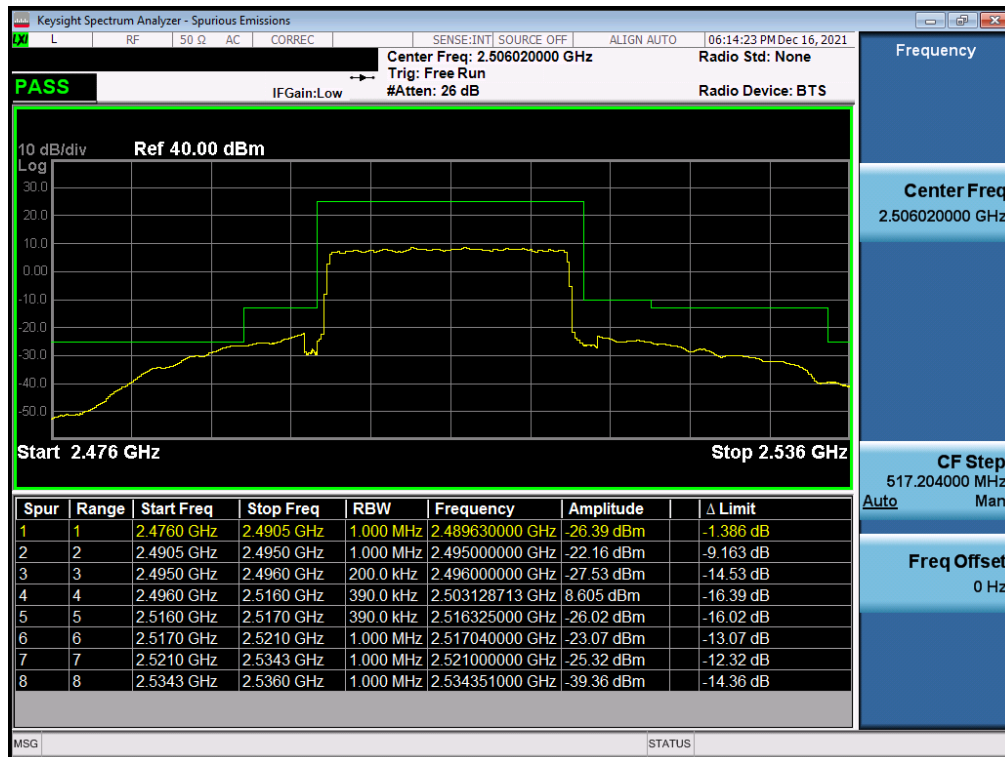
FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 157 of 266



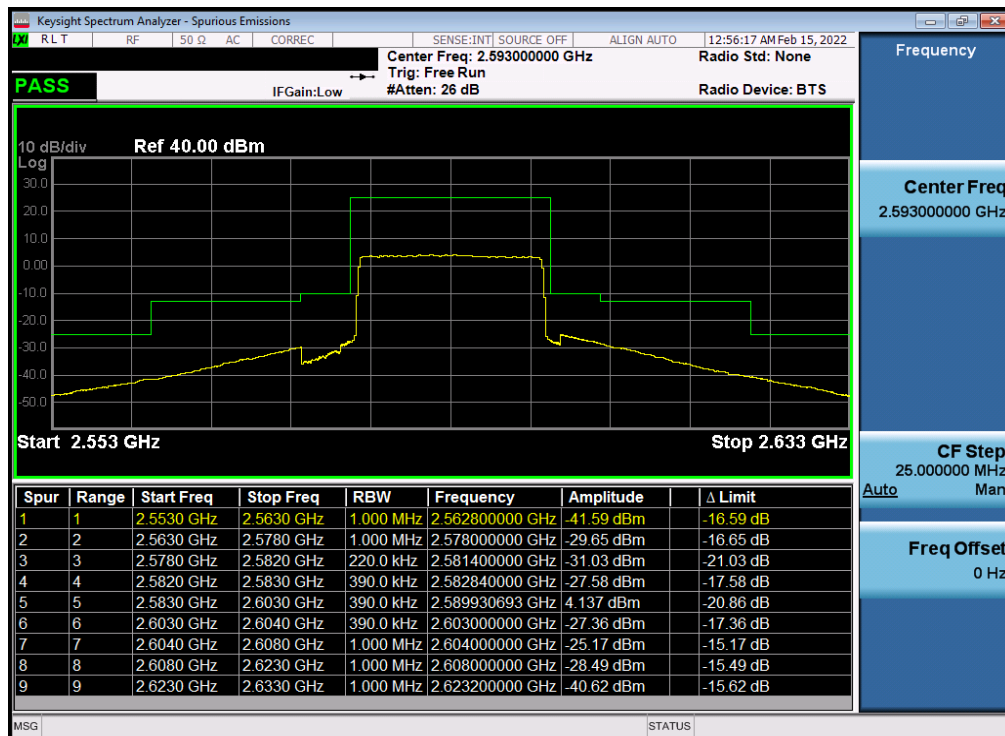
Plot 7-266. Upper Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device		Page 158 of 266

## NR Band n41

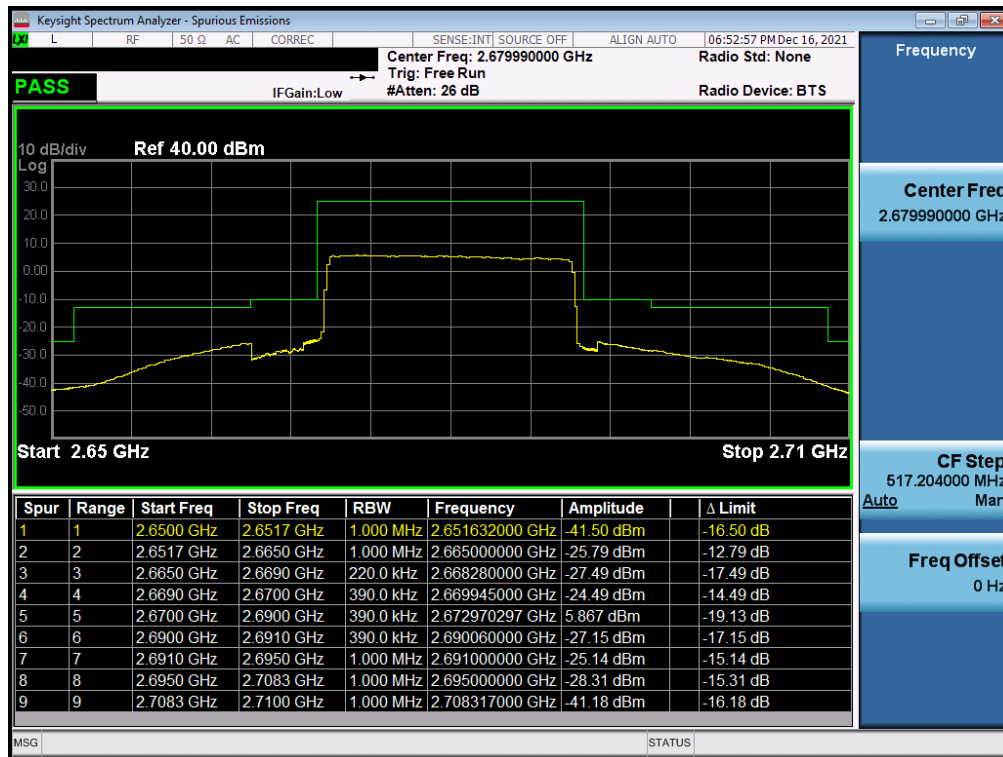


Plot 7-267. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

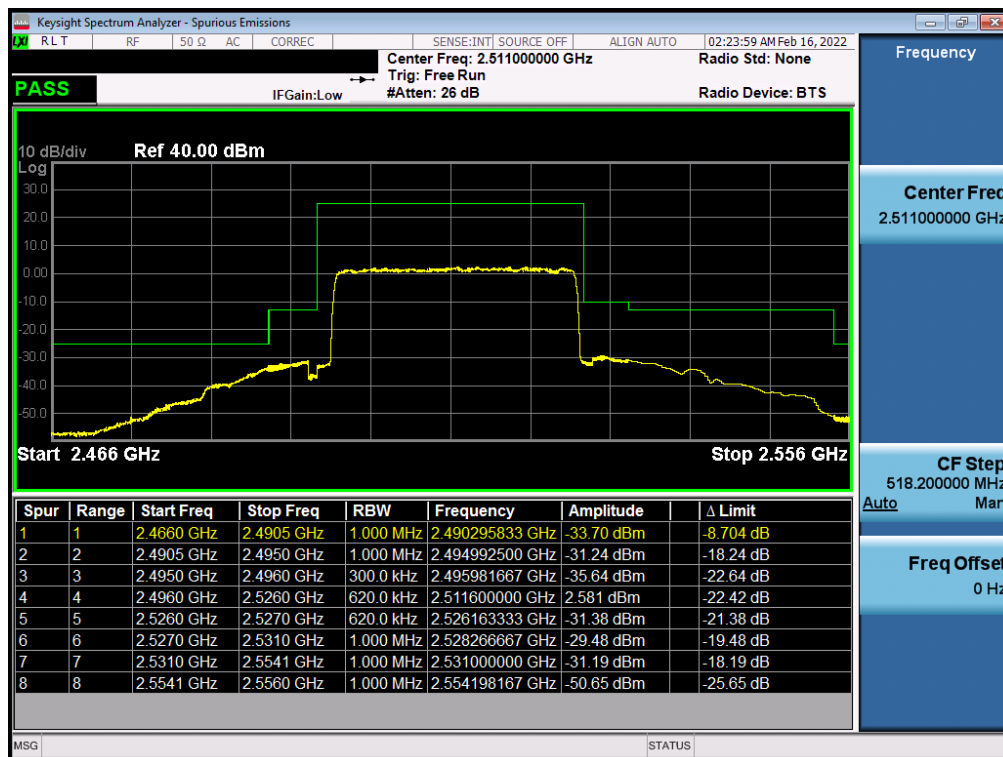


Plot 7-268. Middle ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 159 of 266

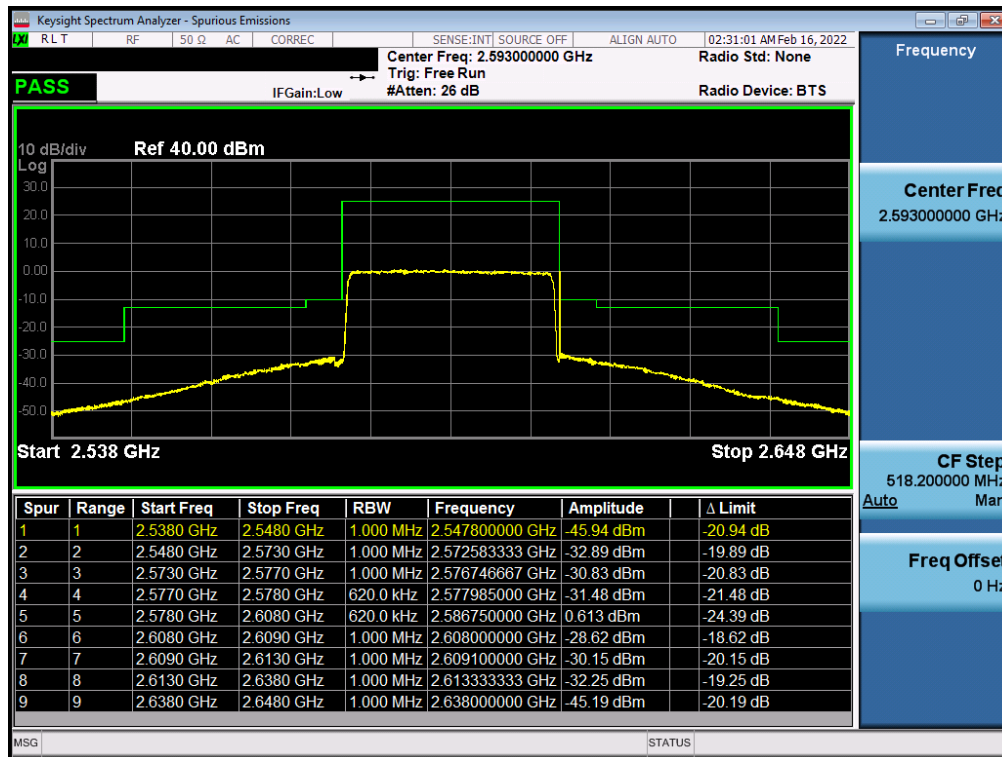


Plot 7-269. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

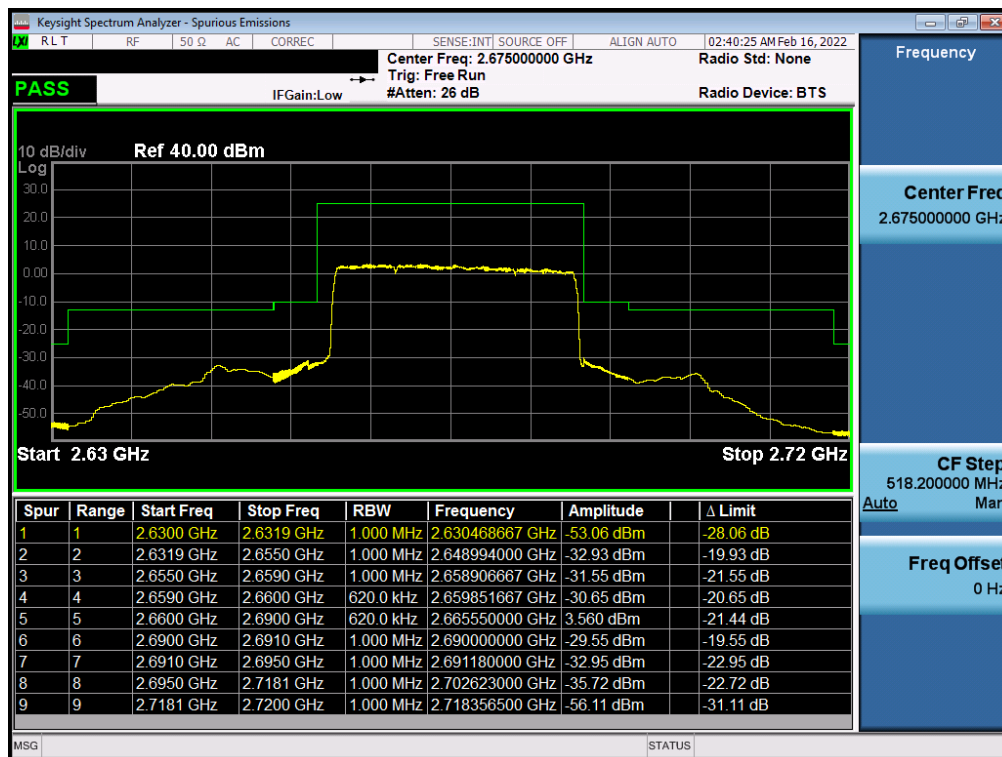


Plot 7-270. Lower ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 160 of 266



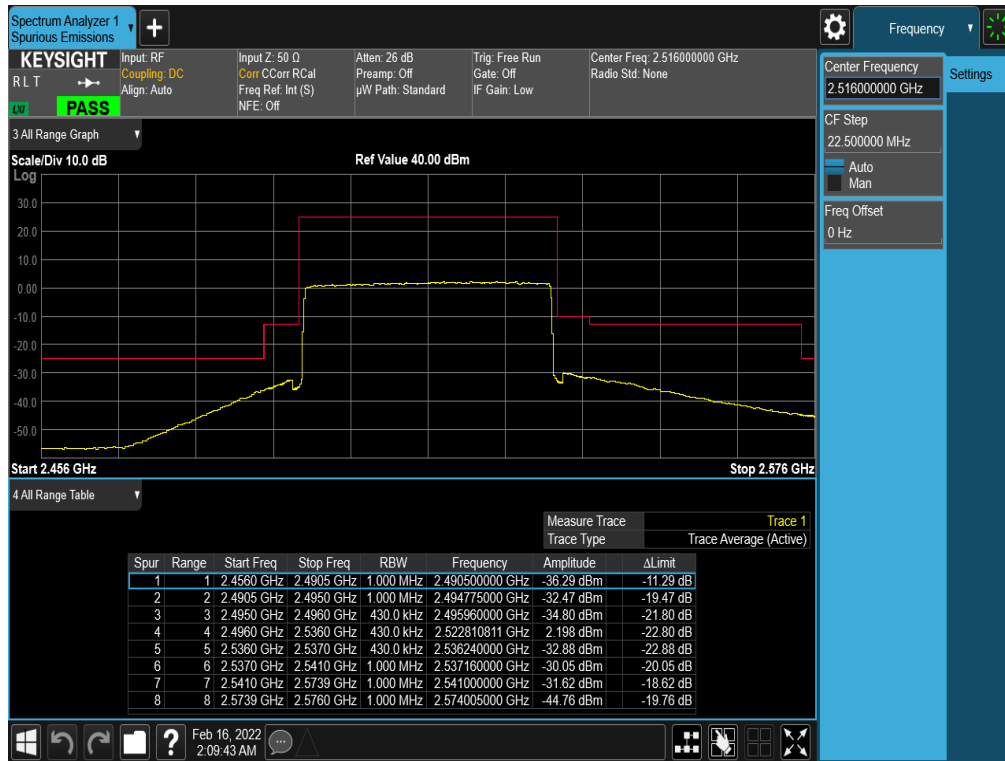
Plot 7-271. Middle ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)



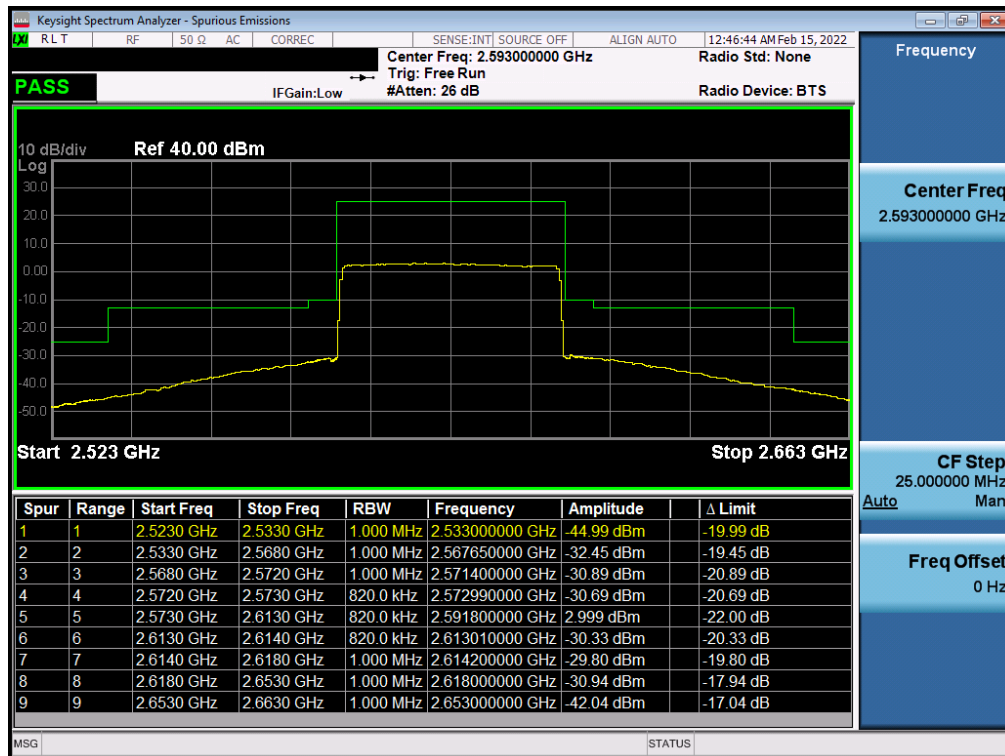
Plot 7-272. Upper ACP Plot (NR Band n41 - 30MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 161 of 266



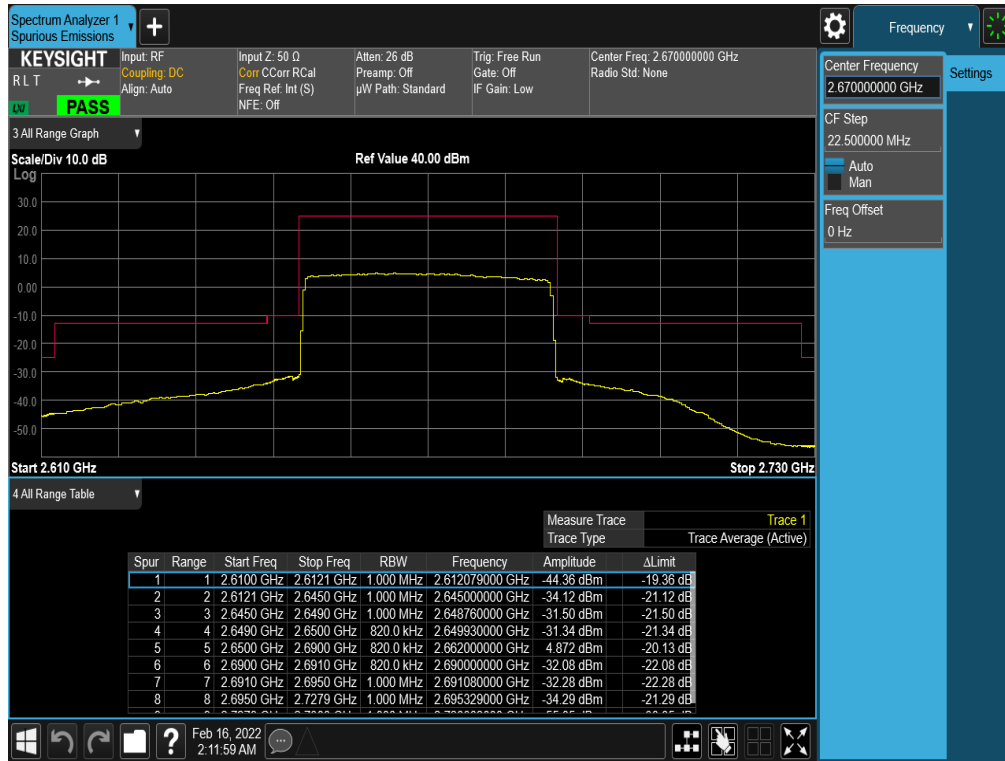


Plot 7-273. Lower ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

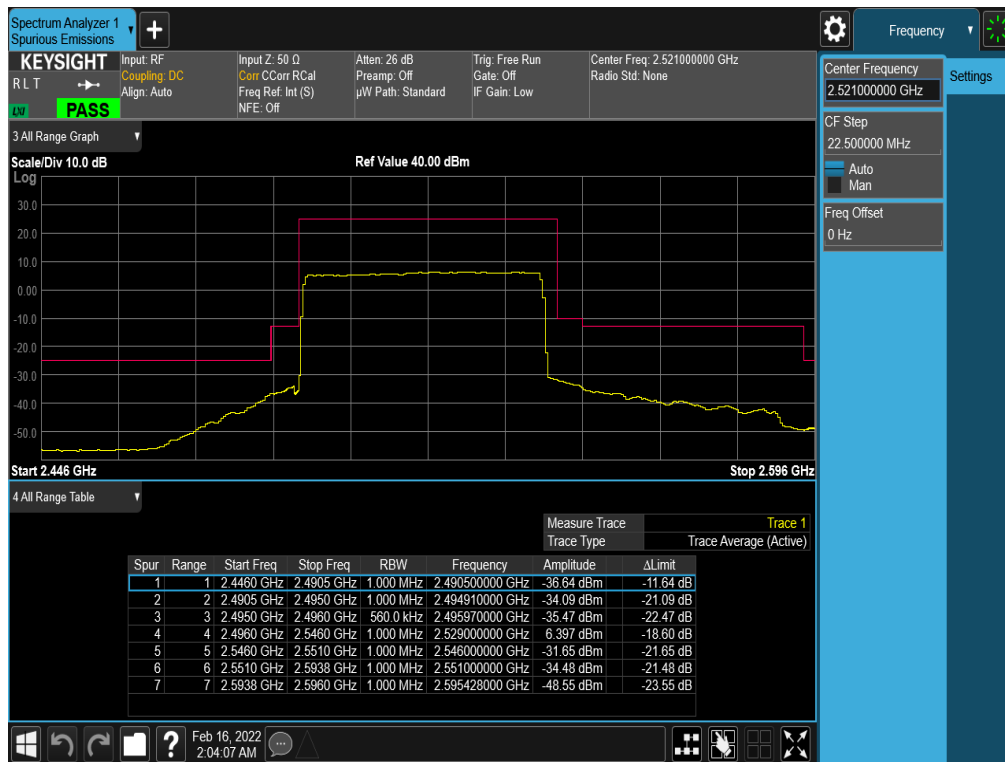


Plot 7-274. Middle ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 162 of 266

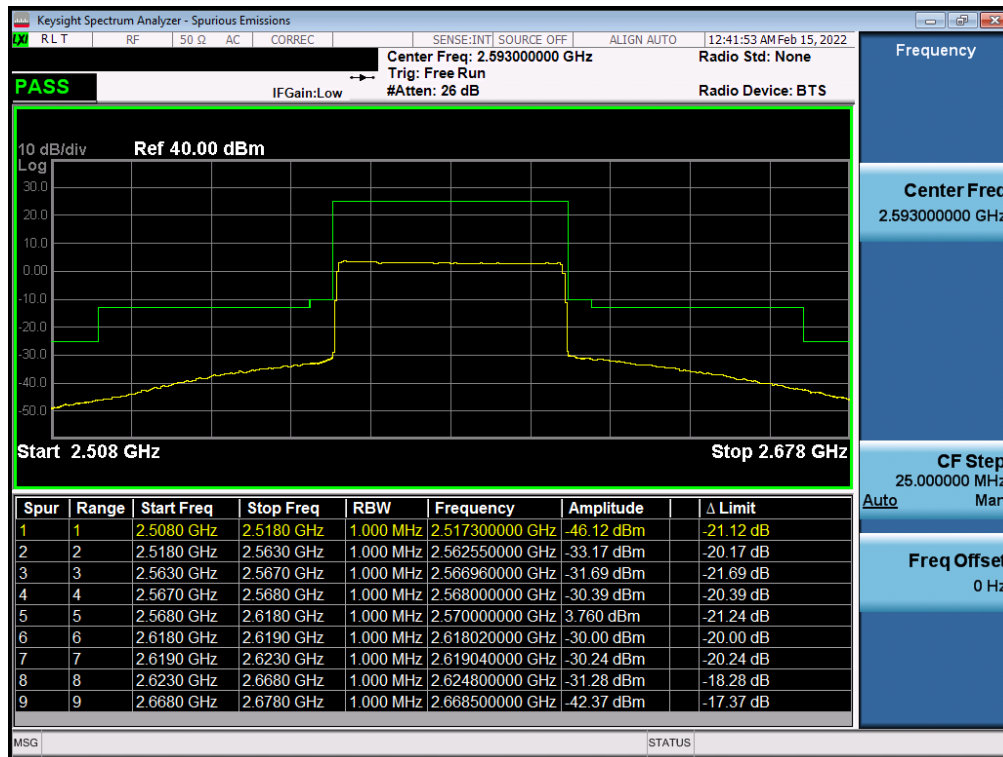


Plot 7-275. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

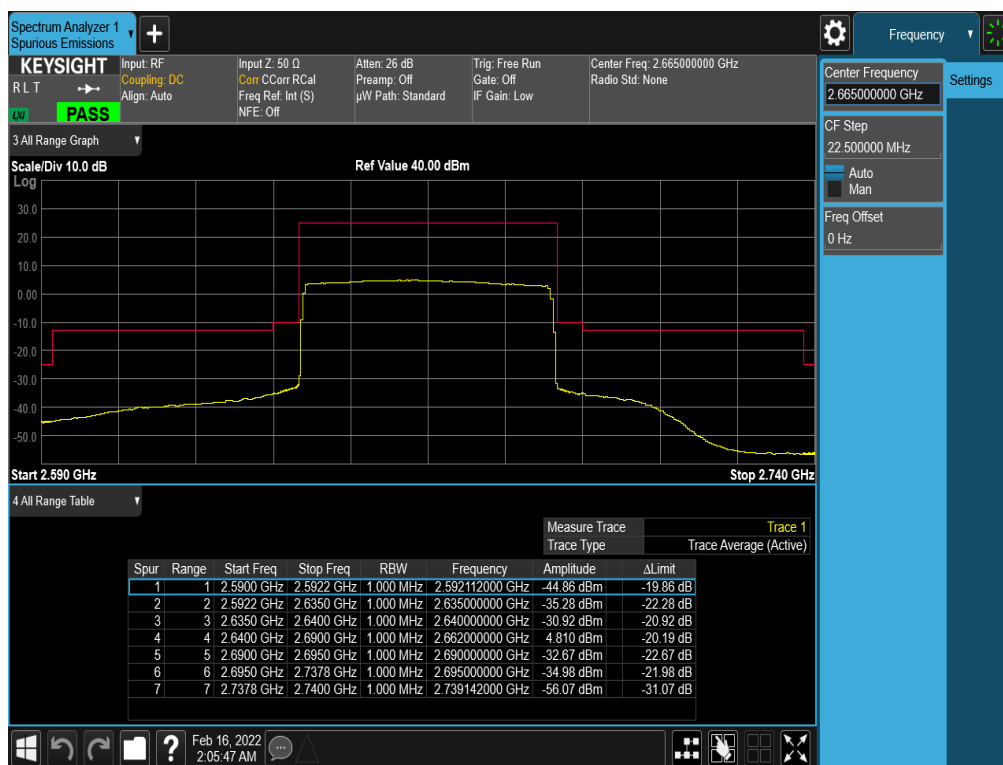


Plot 7-276. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 163 of 266



Plot 7-277. Middle ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

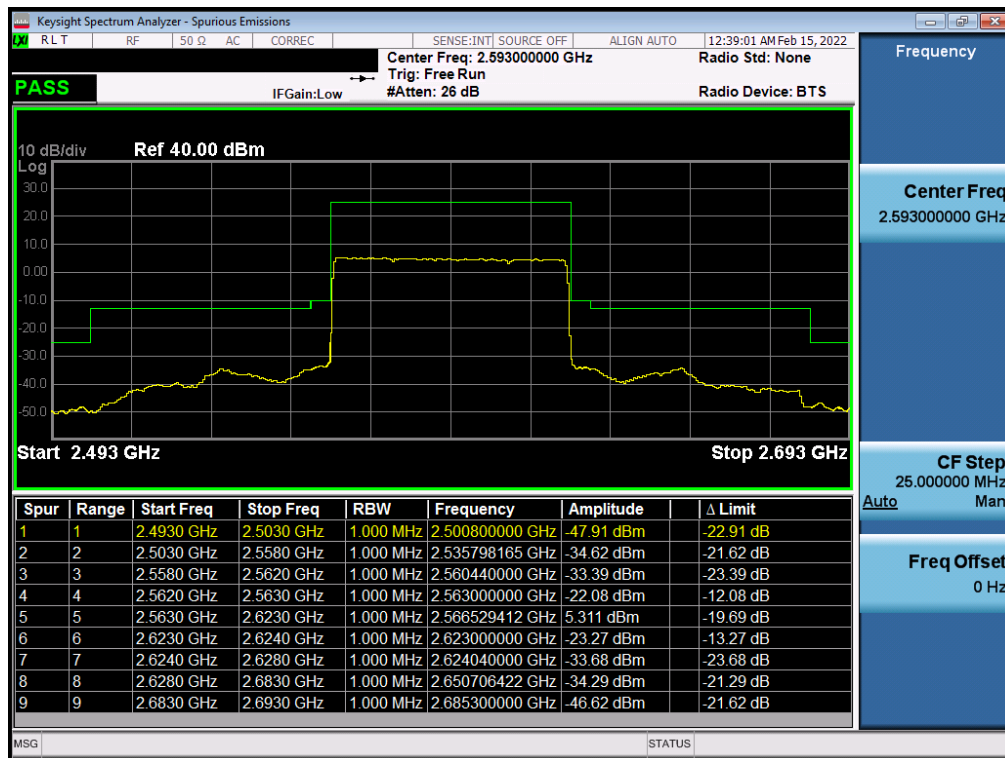


Plot 7-278. Upper ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM  $\pi/2$  BPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 164 of 266

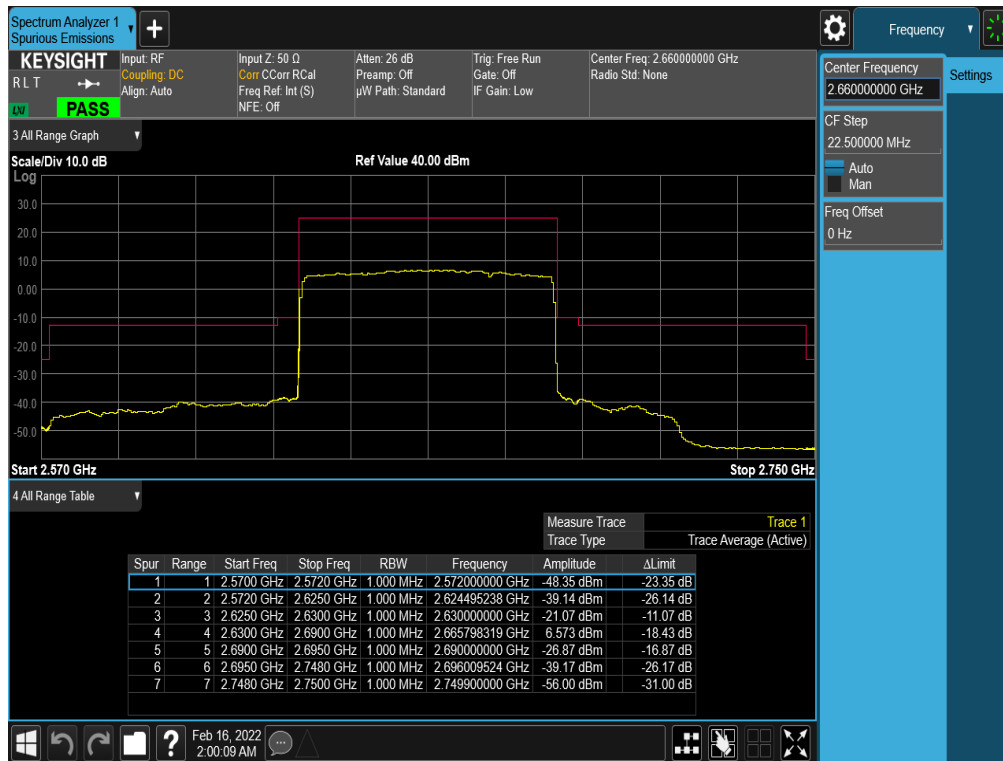


Plot 7-279. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

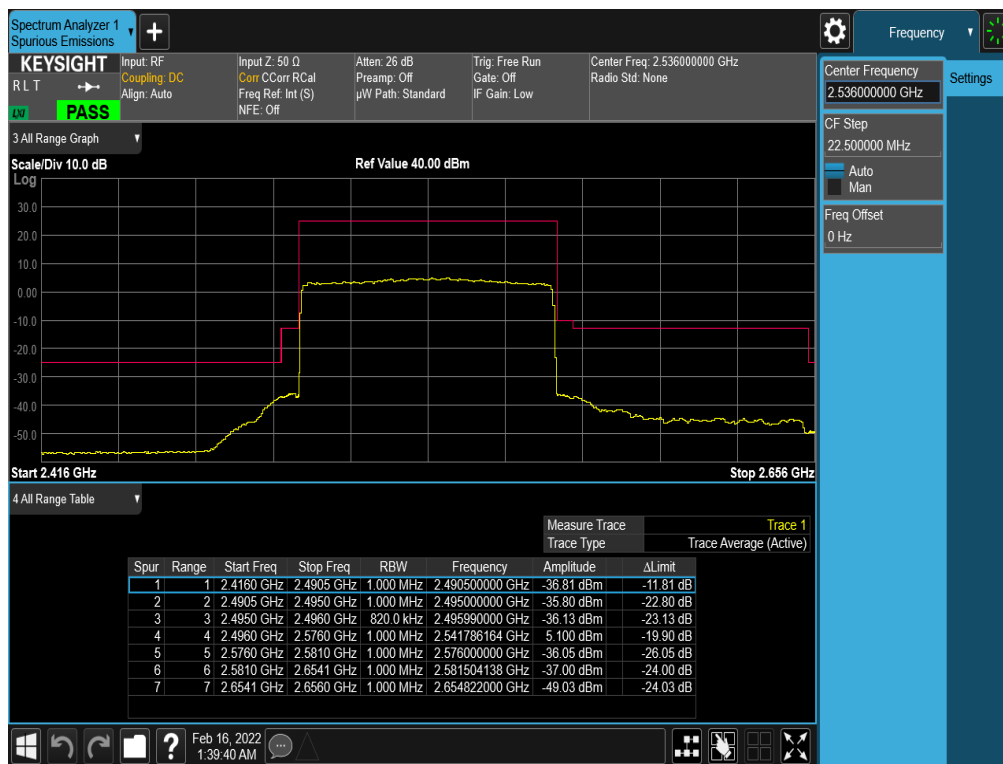


Plot 7-280. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 165 of 266

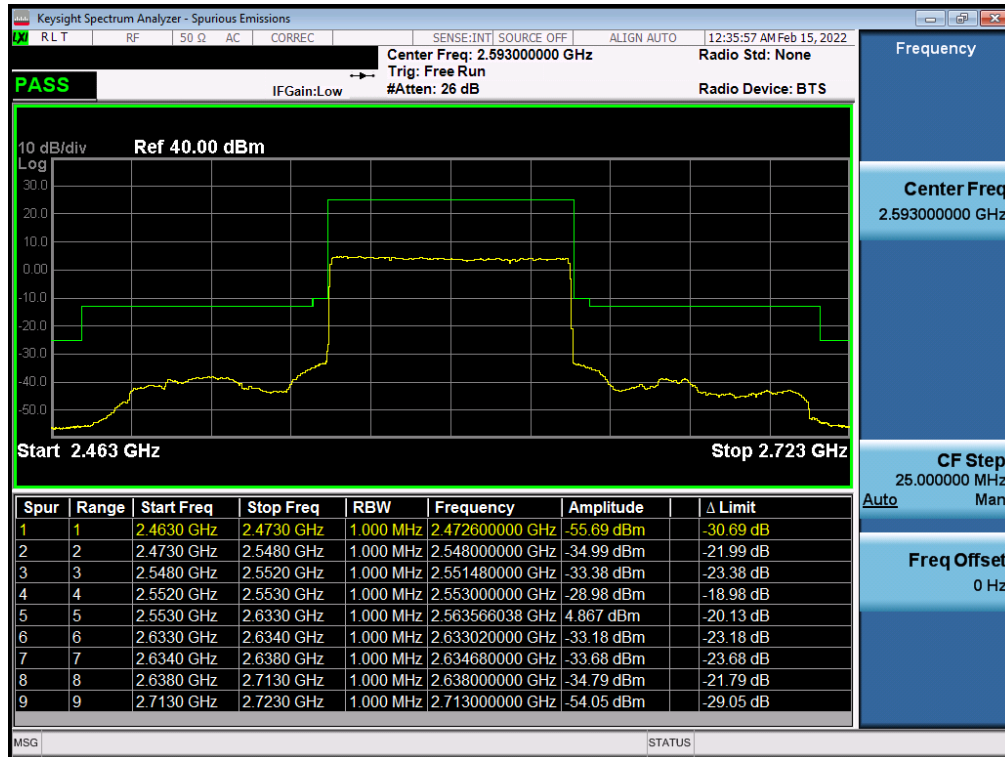


Plot 7-281. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

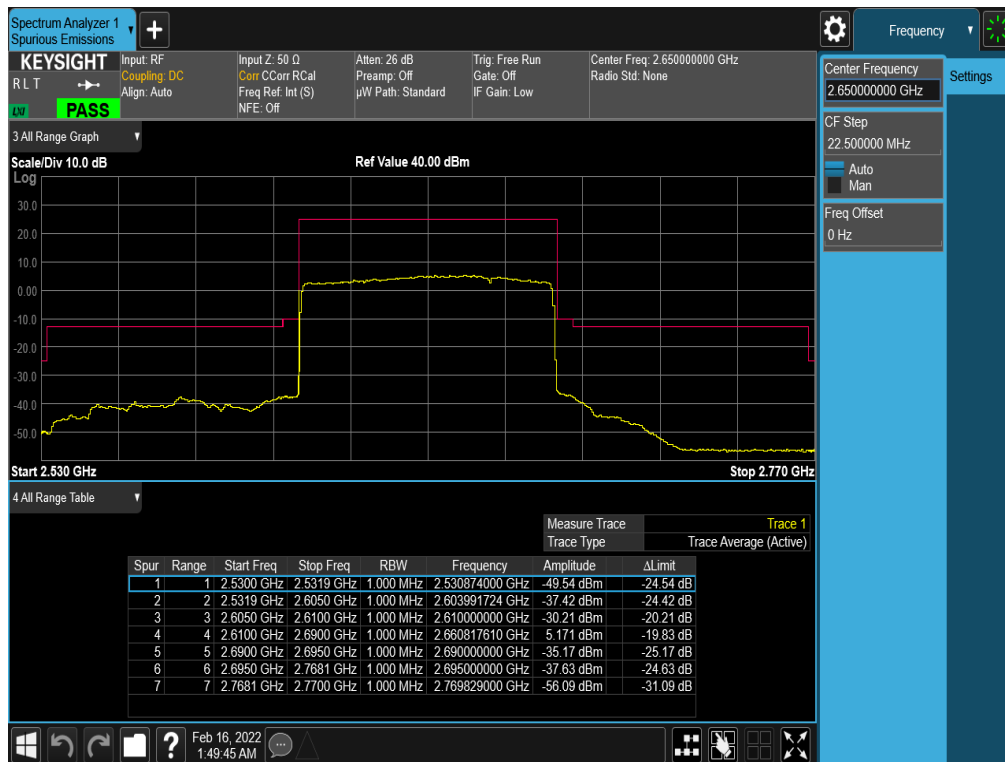


Plot 7-282. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 166 of 266



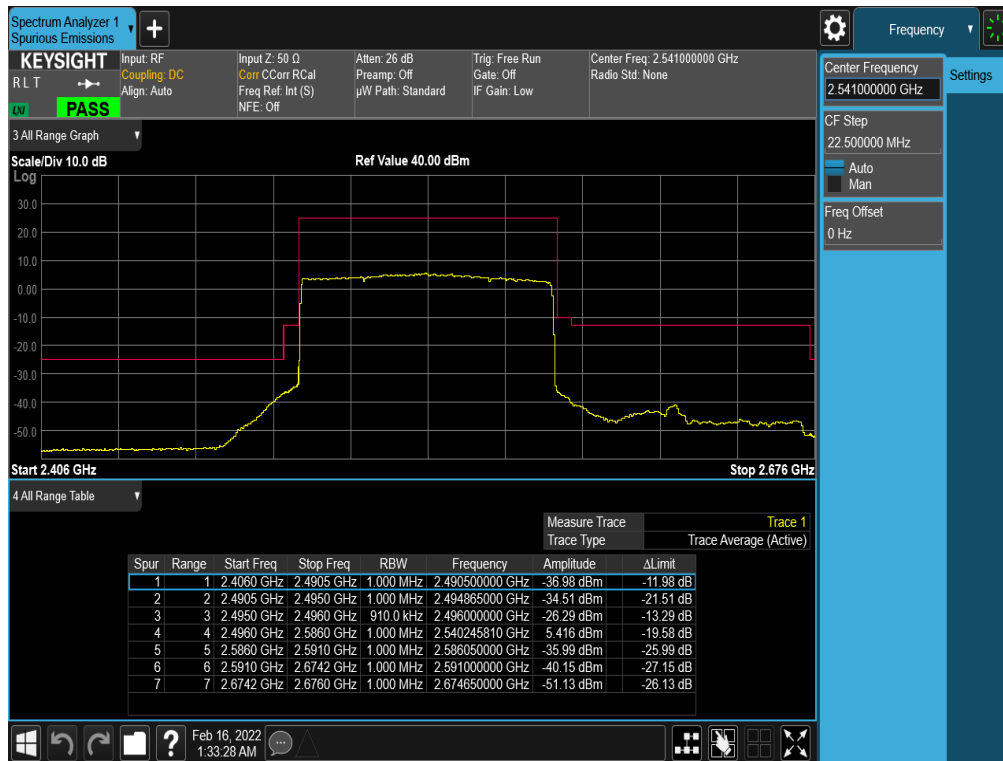
Plot 7-283. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)



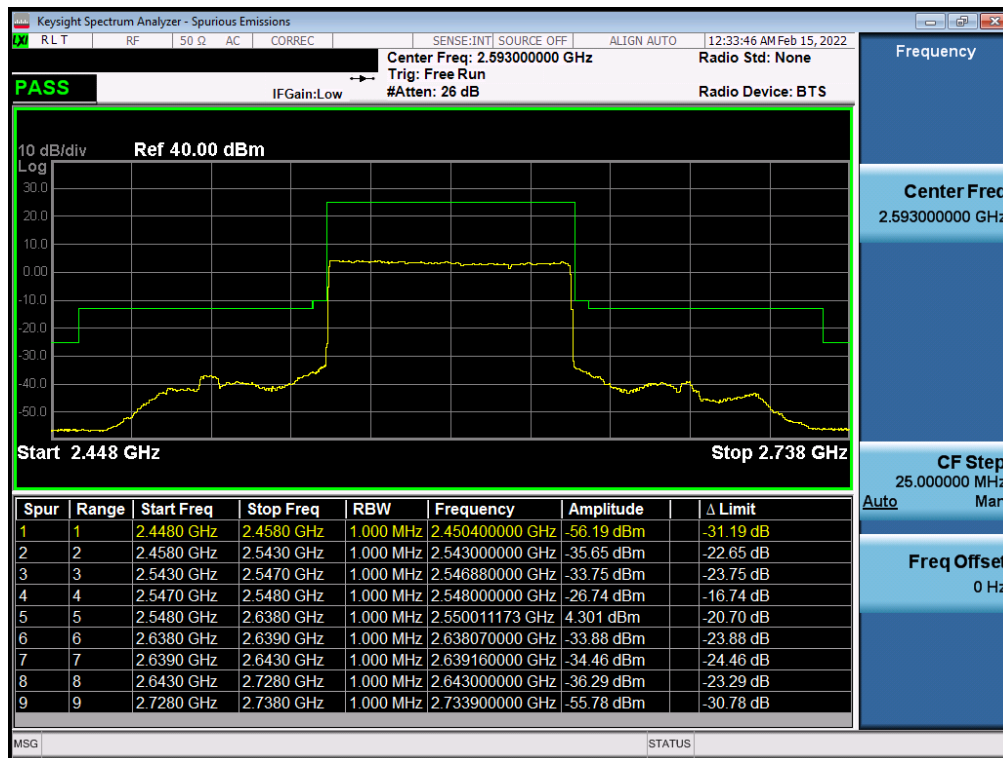
Plot 7-284. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 167 of 266



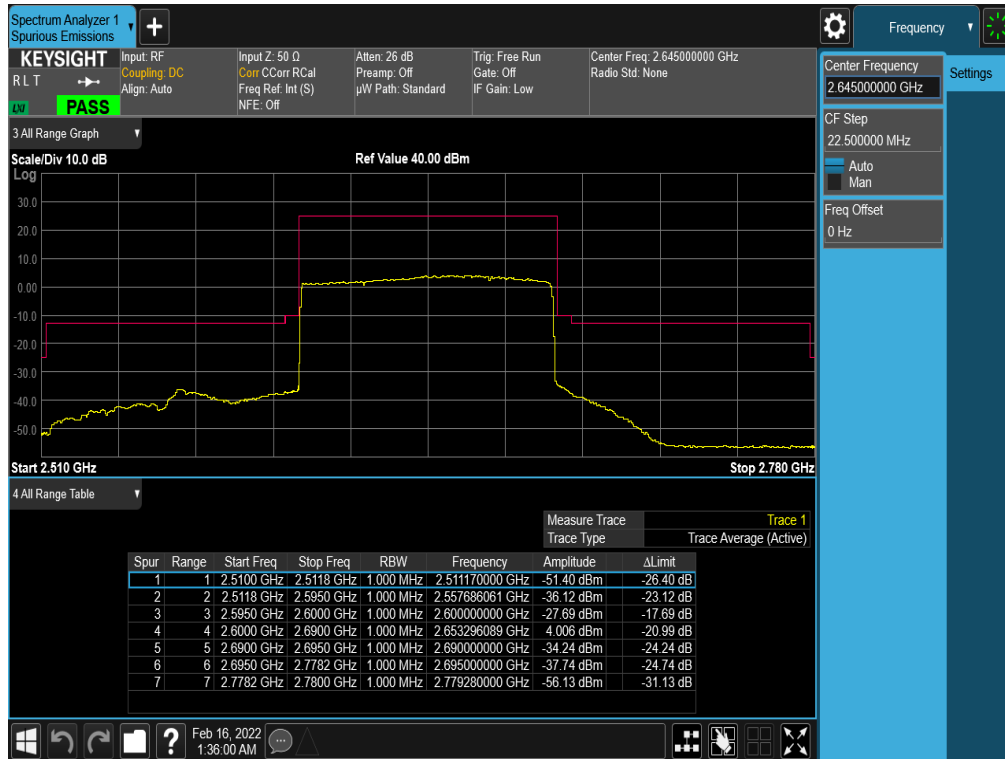


Plot 7-285. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

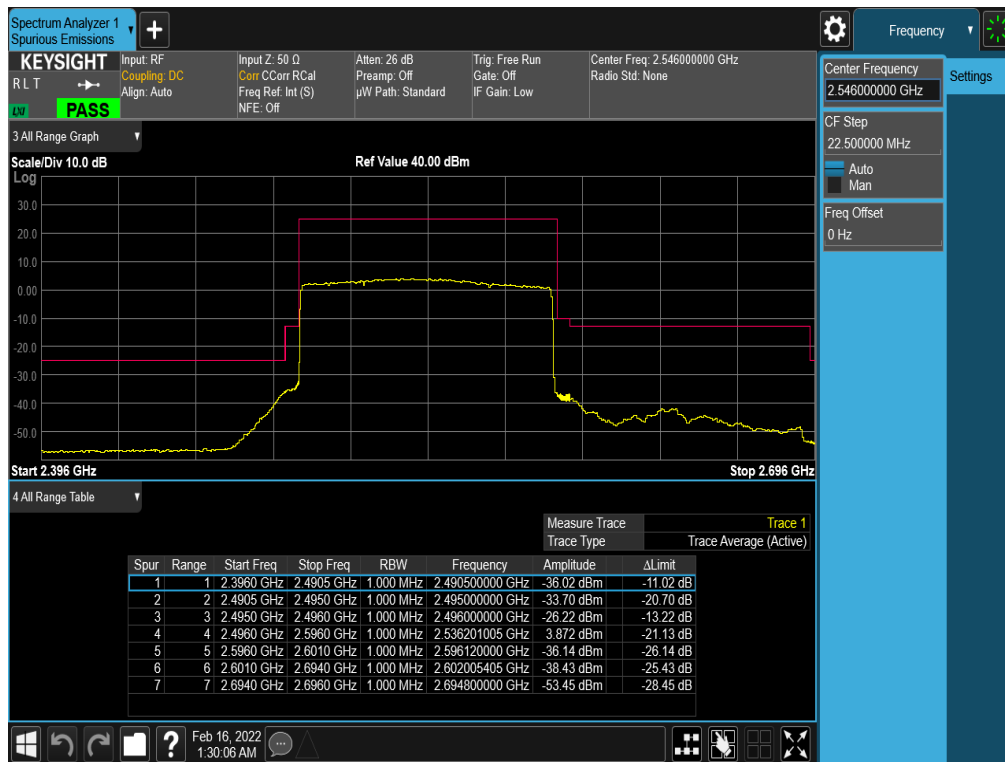


Plot 7-286. Middle ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 168 of 266

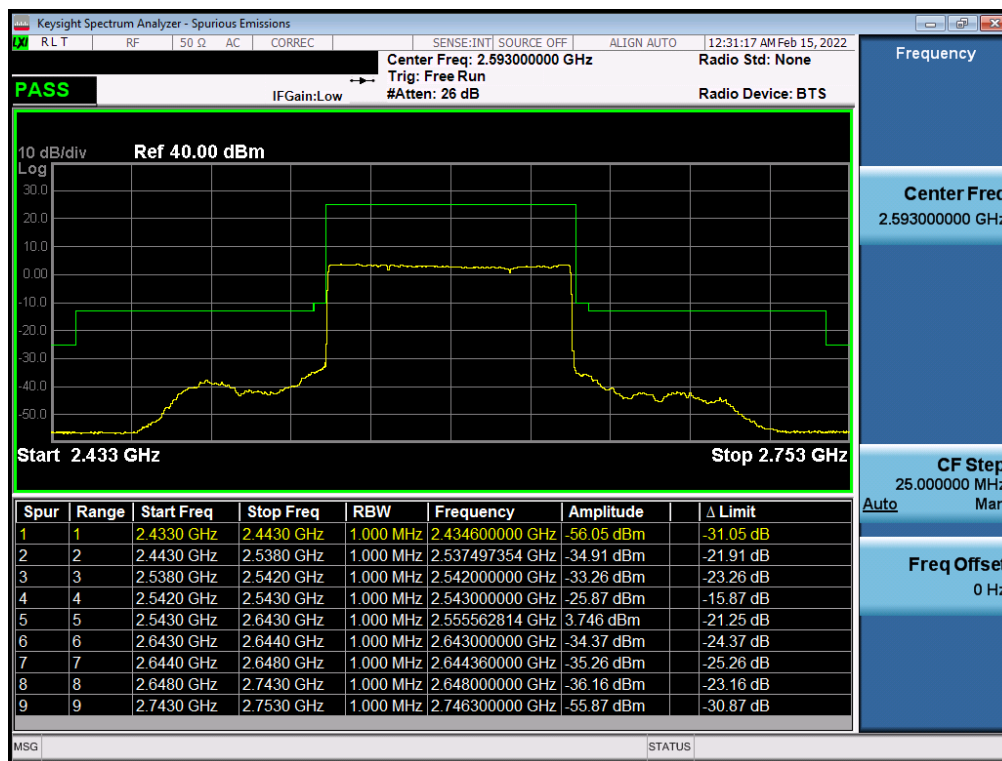


Plot 7-287. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

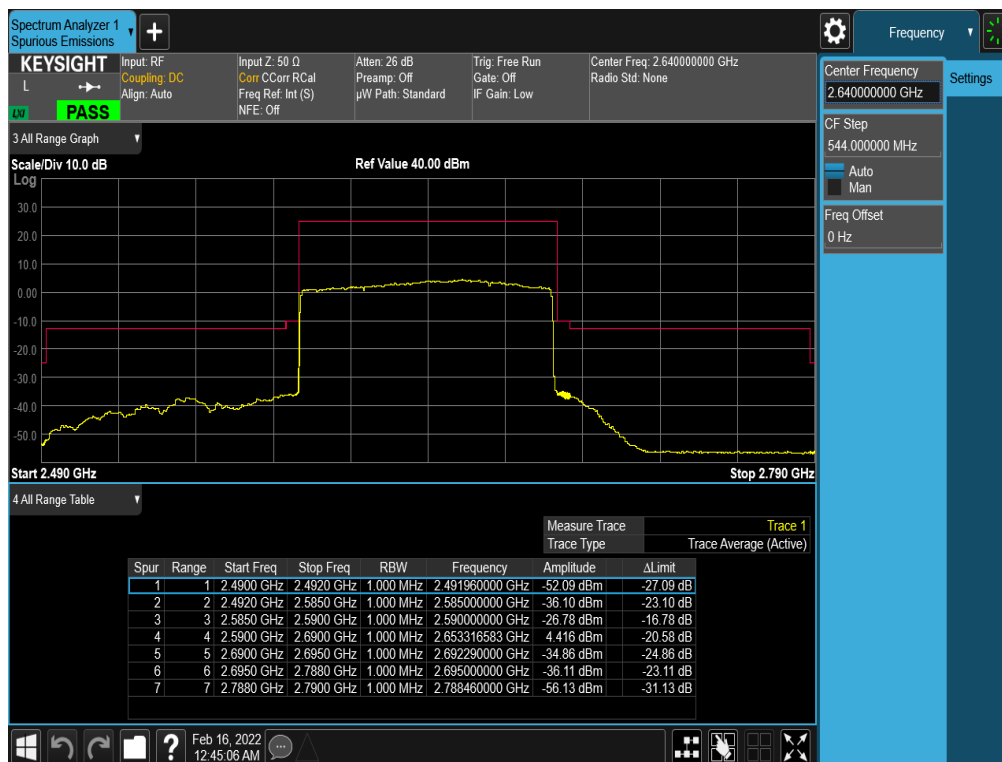


Plot 7-288. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 169 of 266



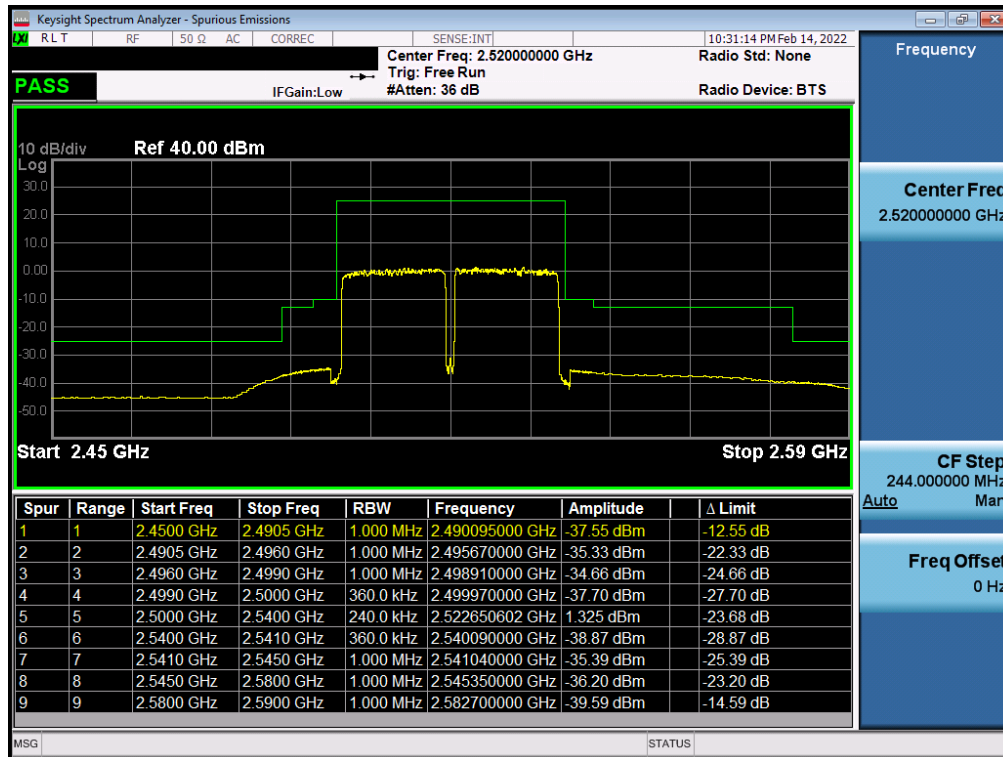
Plot 7-289. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)



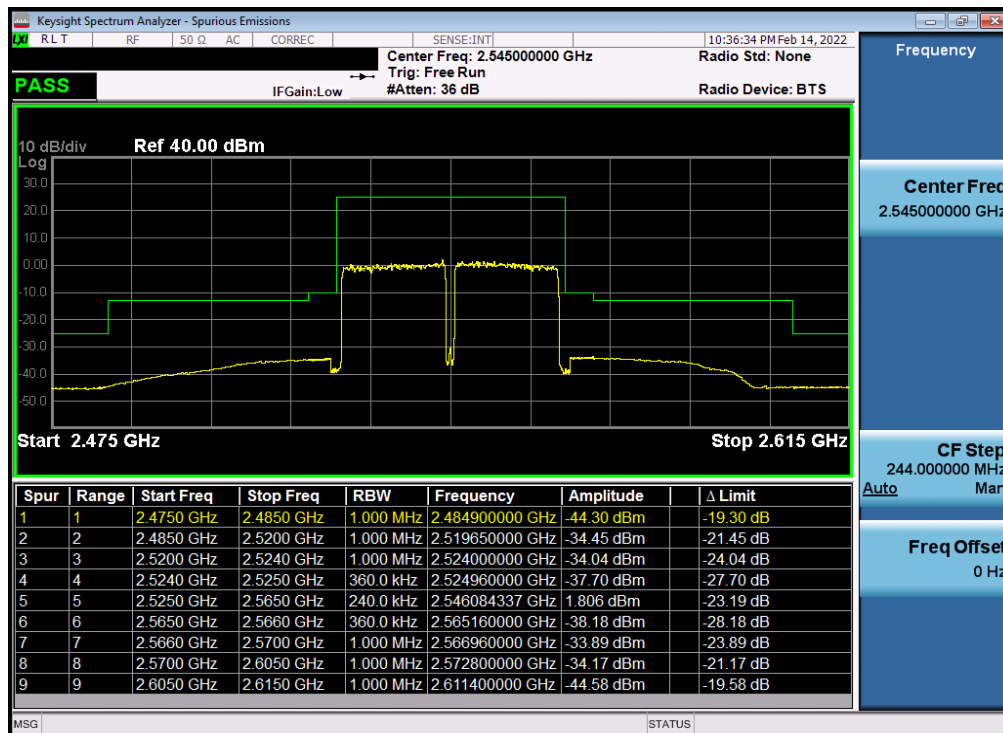
Plot 7-290. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 170 of 266

## ULCA - LTE Band 7

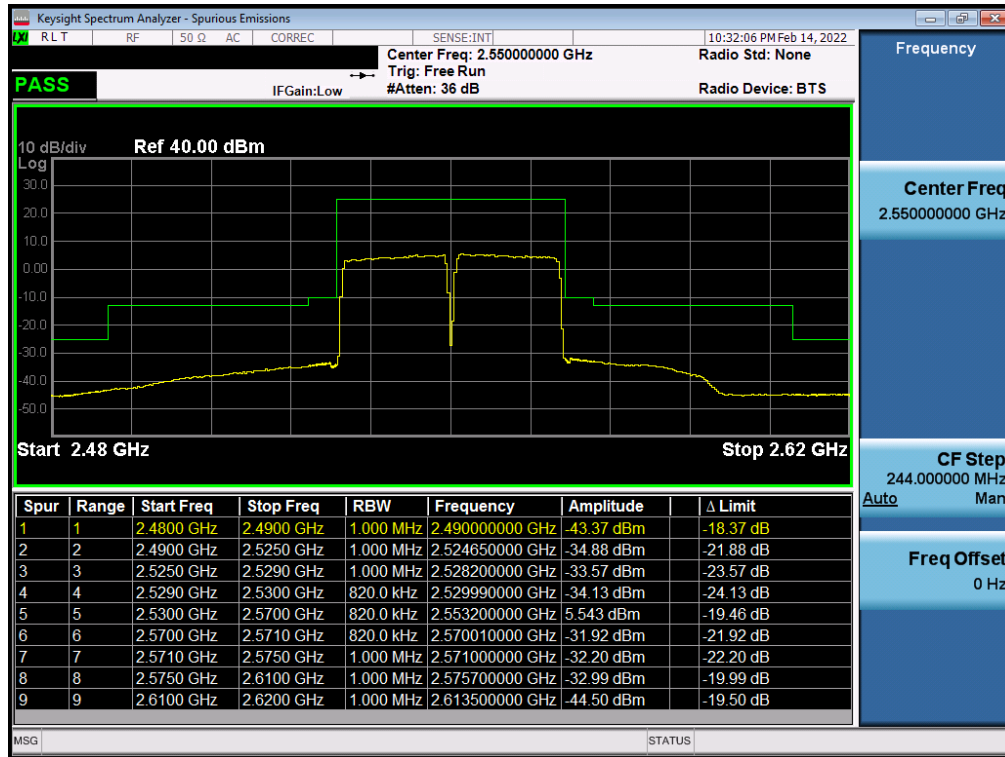


Plot 7-291. Lower ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)



Plot 7-292. Middle ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

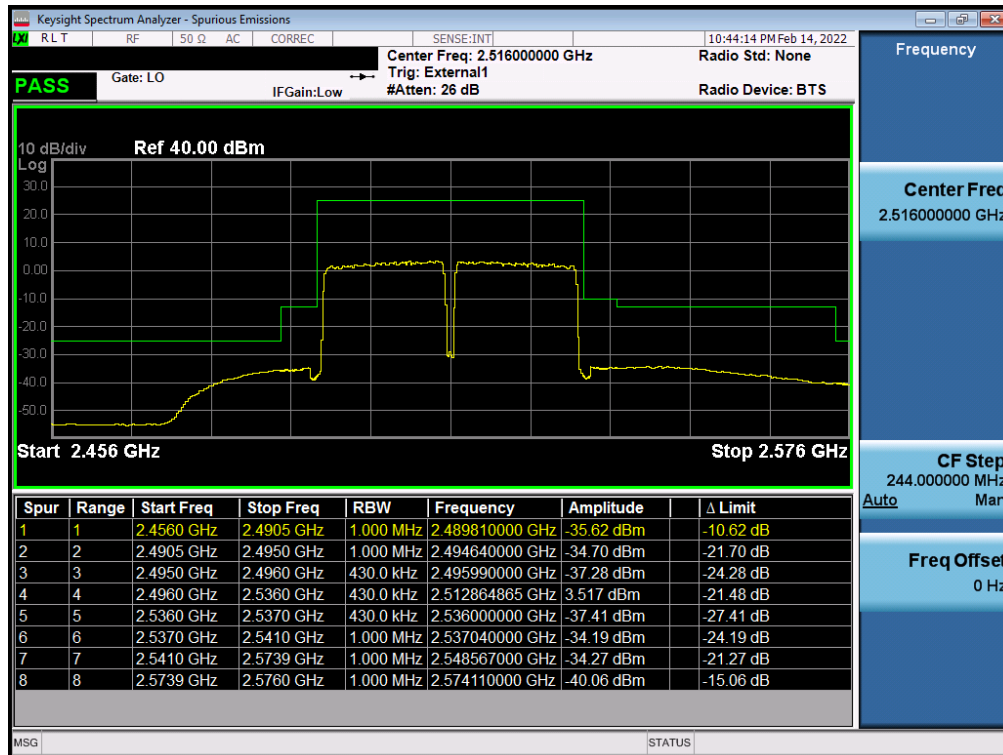
FCC ID: BCGA2589	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 171 of 266



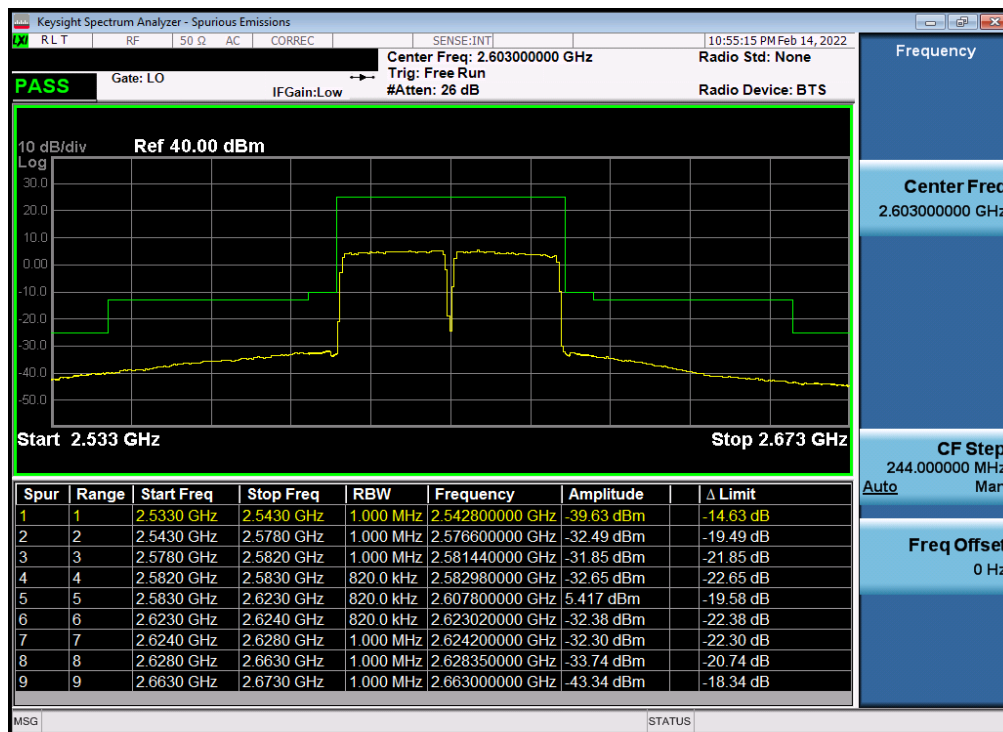
Plot 7-293. Upper ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 172 of 266

## ULCA - LTE Band 41



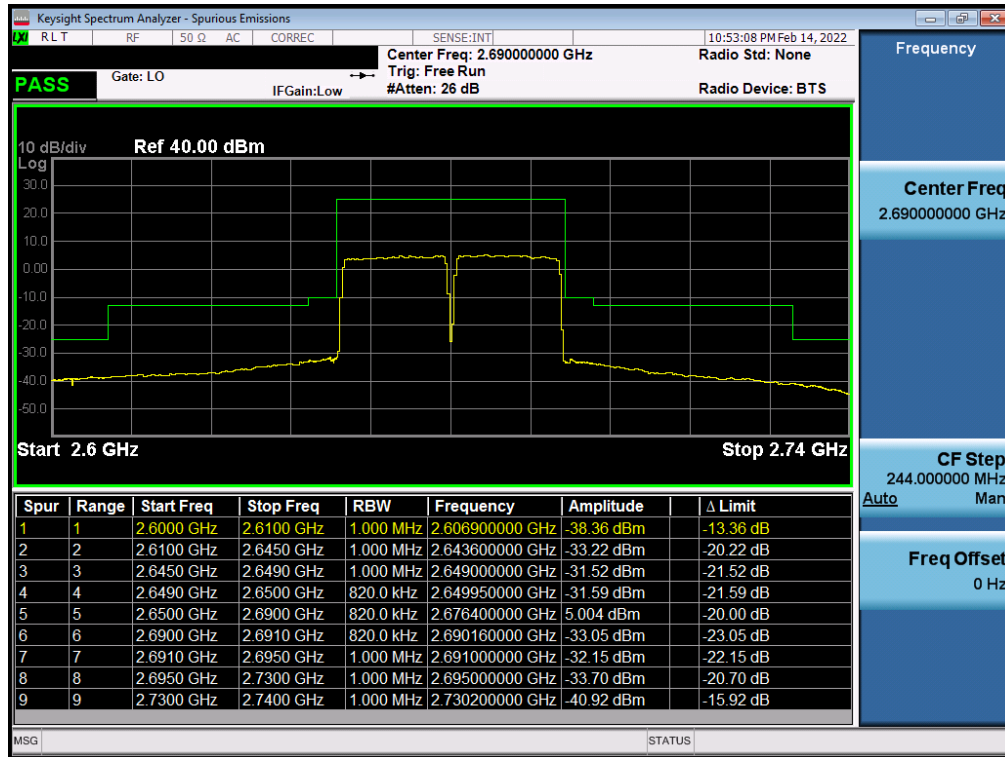
Plot 7-294. Lower ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)



Plot 7-295. Middle ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 173 of 266





Plot 7-296. Upper ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device		Page 174 of 266

## 7.5 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

### Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

### Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

### Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMeas, typically dBW or dBm)

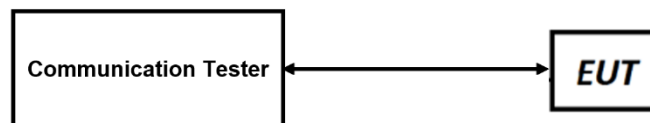
PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

### Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.




**Figure 7-4. EIRP Measurement Setup**

FCC ID: BCGA2589	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2111150079-04-R1.BCG	<b>Test Dates:</b> 12/2/2021 - 2/16/2022	<b>EUT Type:</b> Tablet Device	Page 175 of 266

## Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
5. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
6. For ULCA, conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
7. For ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.


FCC ID: BCGA2589	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 176 of 266

## 7.5.1 Antenna 4 – EIRP

### LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	1.50	1 / 24	21.47	22.97	0.198	23.98	-1.01
		2310.0	1.50	1 / 24	21.50	<b>23.00</b>	0.200	23.98	-0.98
		2312.5	1.50	1 / 24	21.46	22.96	0.198	23.98	-1.02
	16-QAM	2307.5	1.50	1 / 12	21.03	22.53	0.179	23.98	-1.45
	64-QAM	2307.5	1.50	1 / 12	19.97	21.47	0.140	23.98	-2.51
	256-QAM	2312.5	1.50	1 / 12	16.99	18.49	0.071	23.98	-5.49
10 MHz	QPSK	2310.0	1.50	1 / 25	21.50	<b>23.00</b>	0.200	23.98	-0.98
	16-QAM	2310.0	1.50	1 / 0	20.75	22.25	0.168	23.98	-1.73
	64-QAM	2310.0	1.50	1 / 0	19.59	21.09	0.128	23.98	-2.89
	256-QAM	2310.0	1.50	1 / 25	16.82	18.32	0.068	23.98	-5.66

Table 7-2. Antenna 4 EIRP Data (LTE Band 30)

FCC ID: BCGA2589	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device	Page 177 of 266