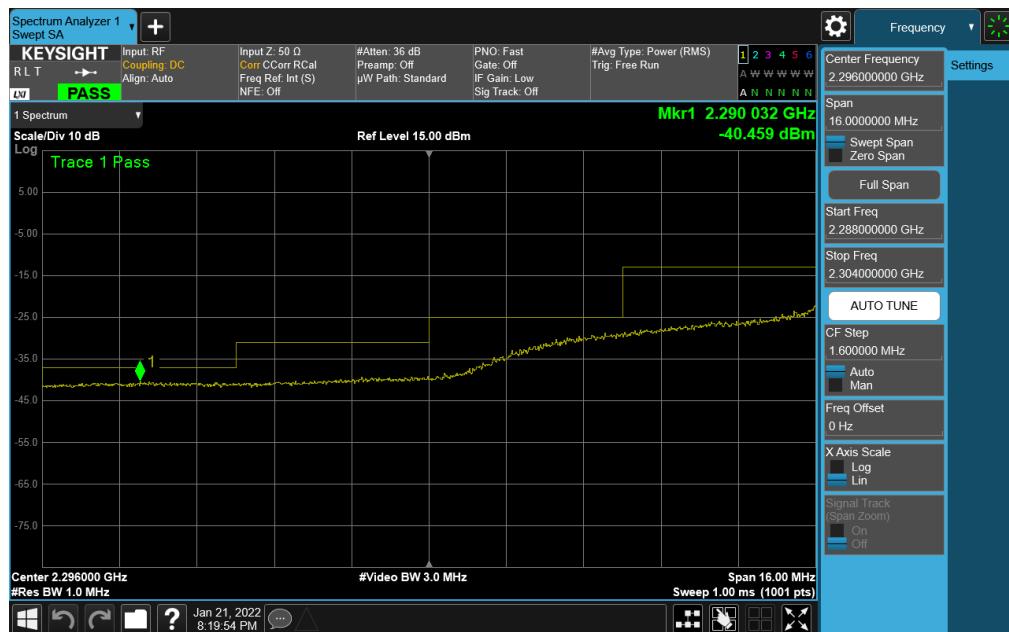


Plot 7-210. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			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 130 of 266



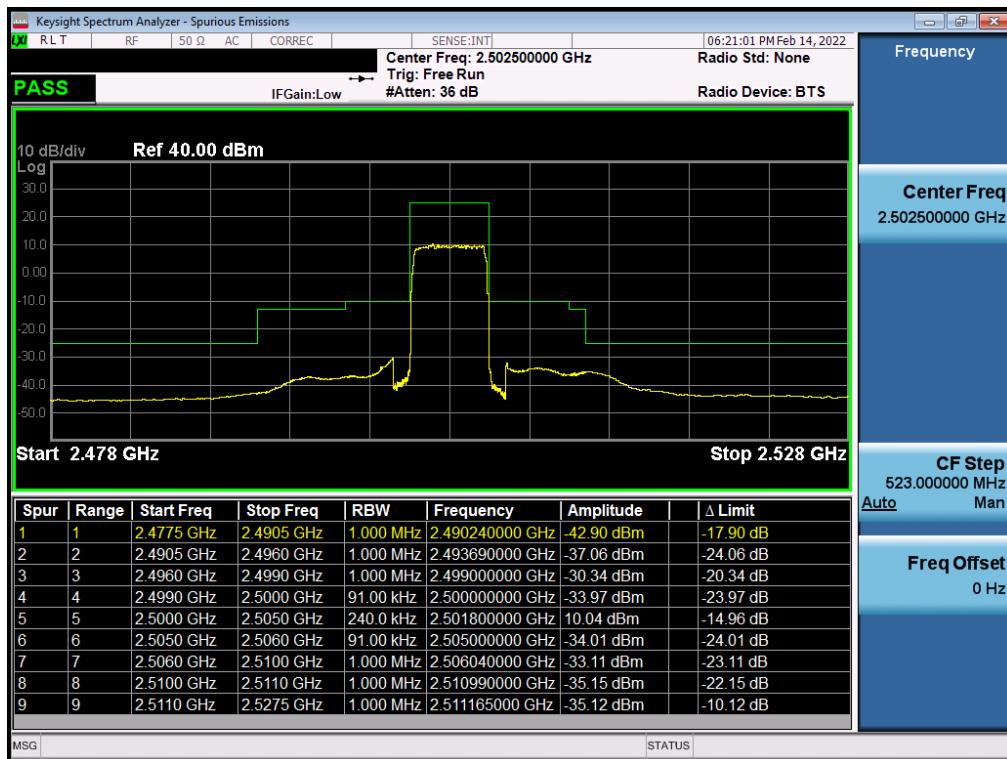
Plot 7-212. Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)



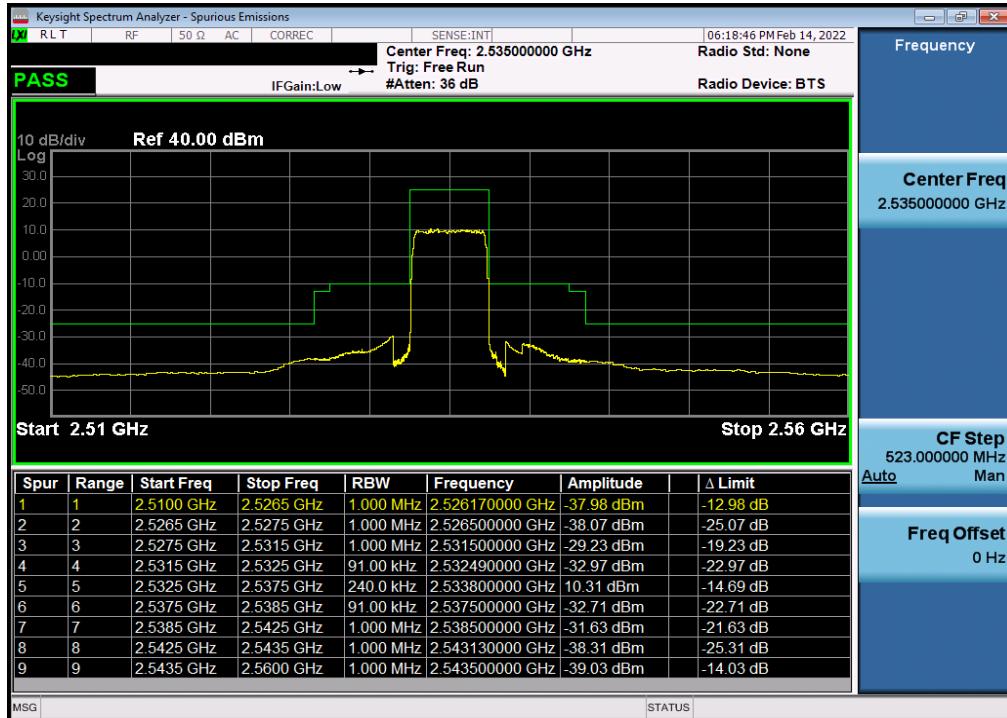
Plot 7-213. Extended Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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

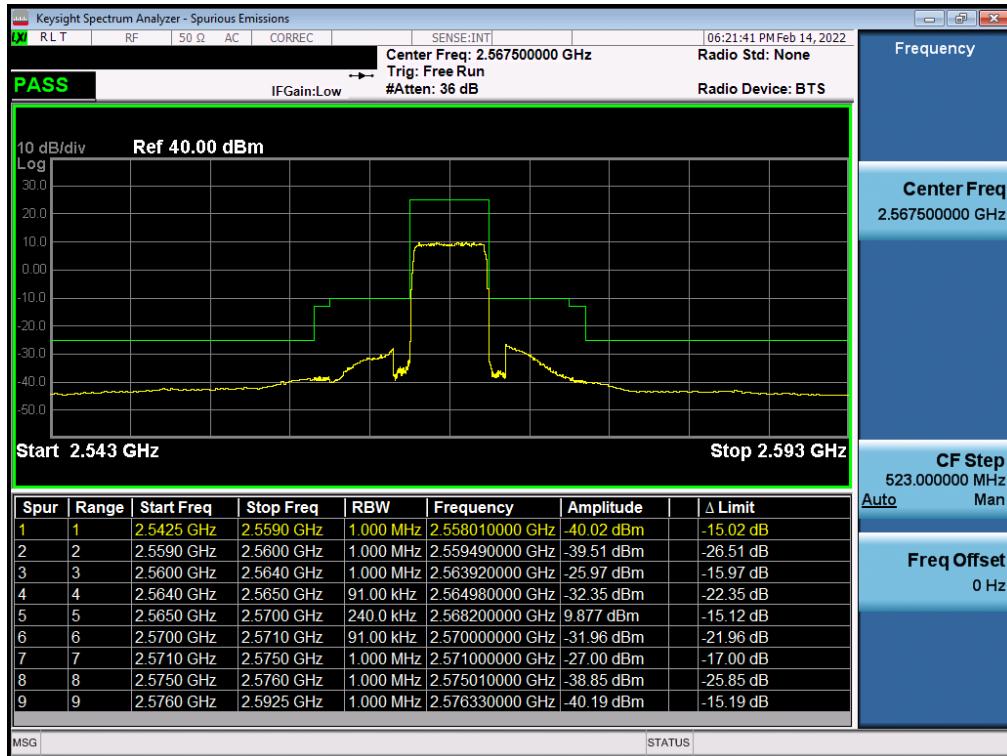


Plot 7-214. Lower ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

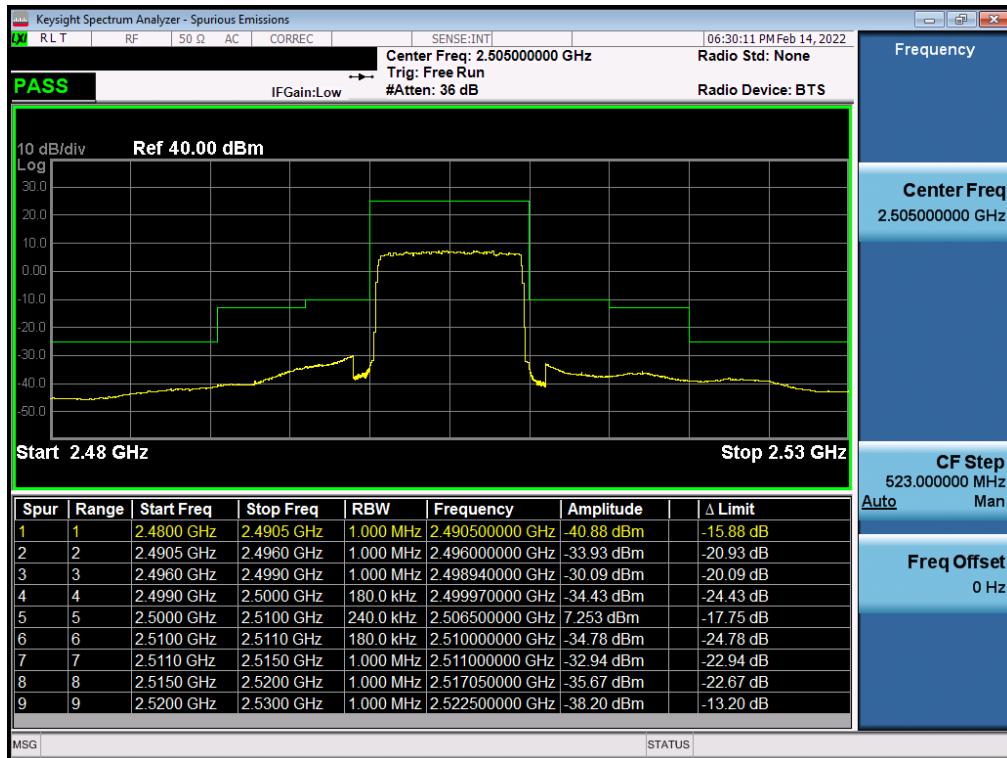


Plot 7-215. Middle ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

FCC ID: BCGA2589	 PCTEST® Proud to be part of 			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

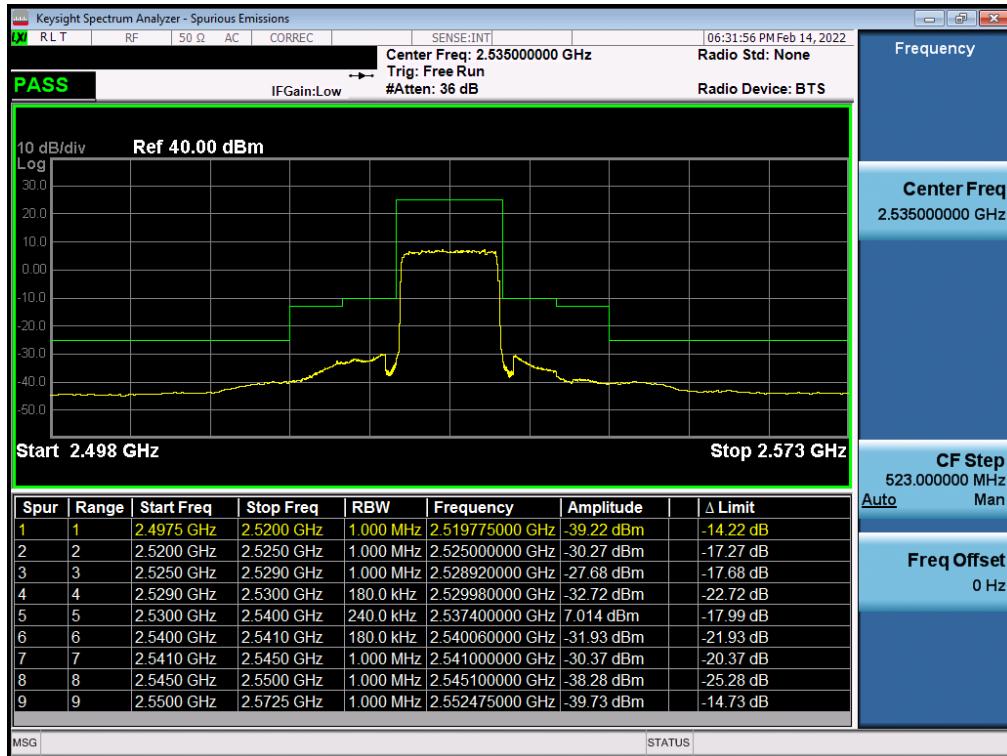


Plot 7-216. Upper ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB)

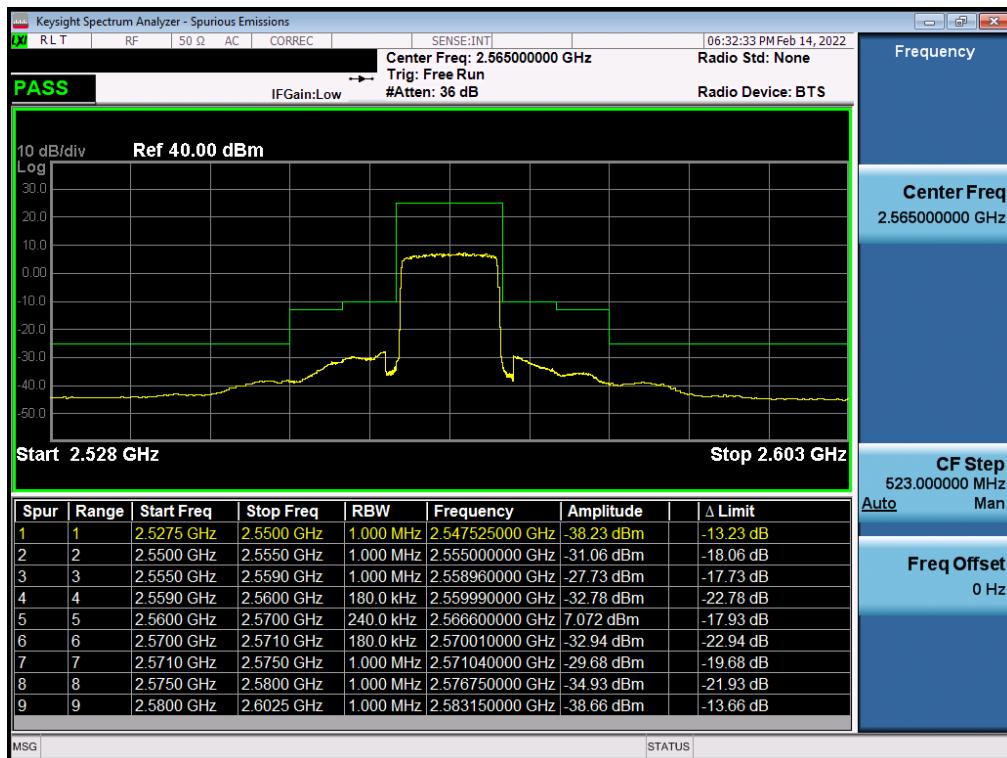


Plot 7-217. Lower ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			

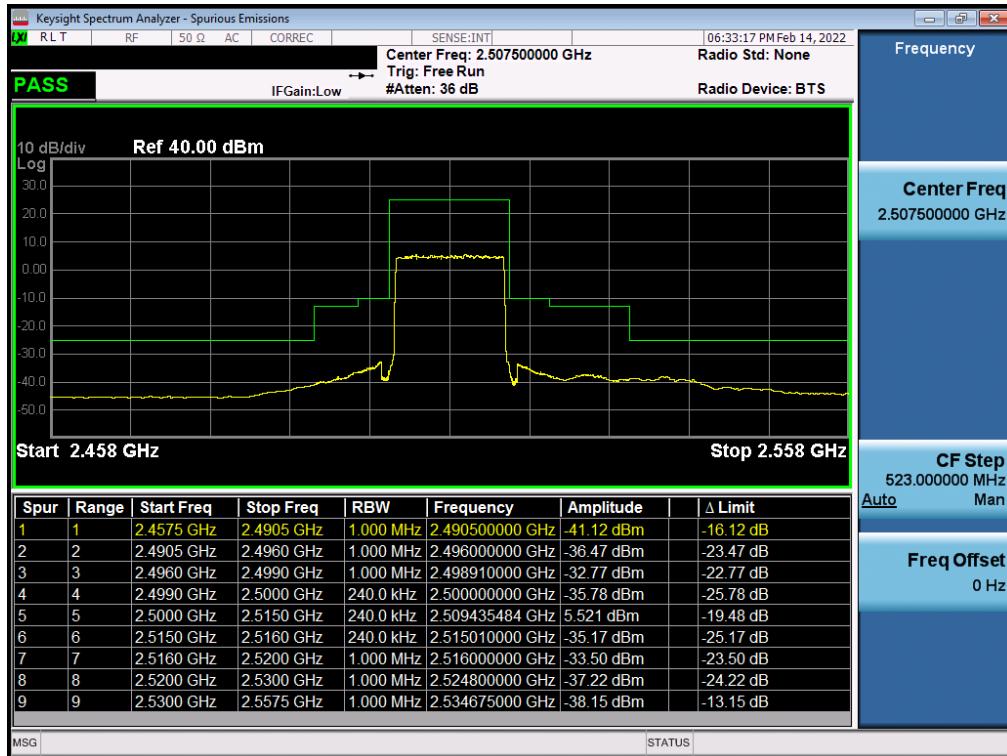


Plot 7-218. Middle ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

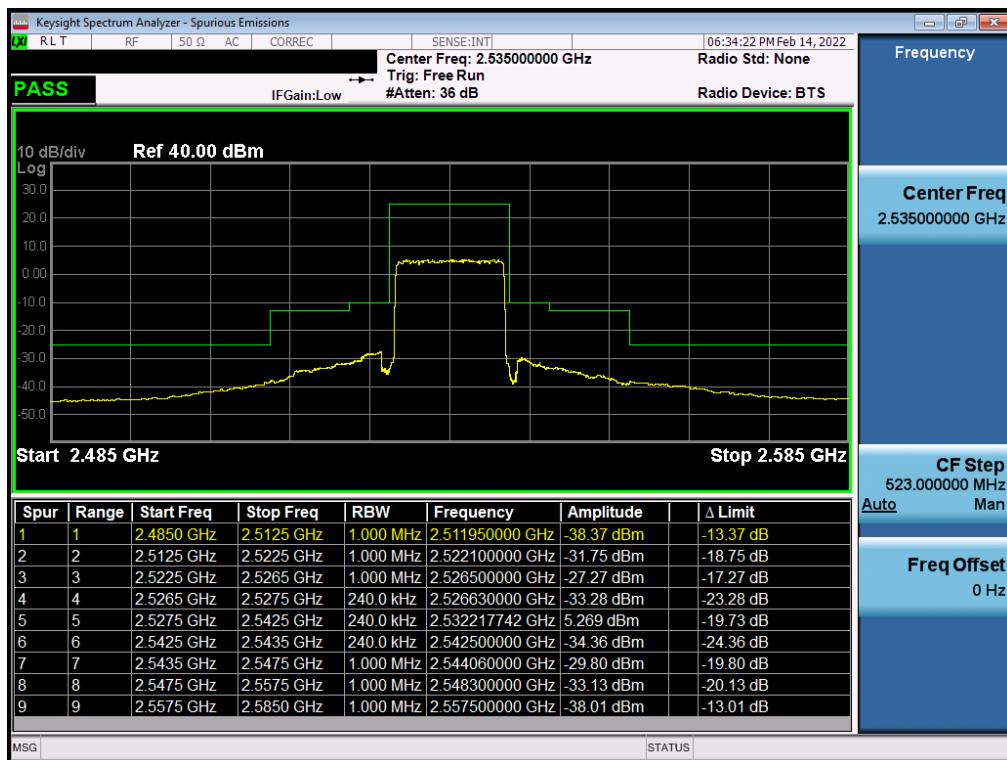


Plot 7-219. Upper ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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

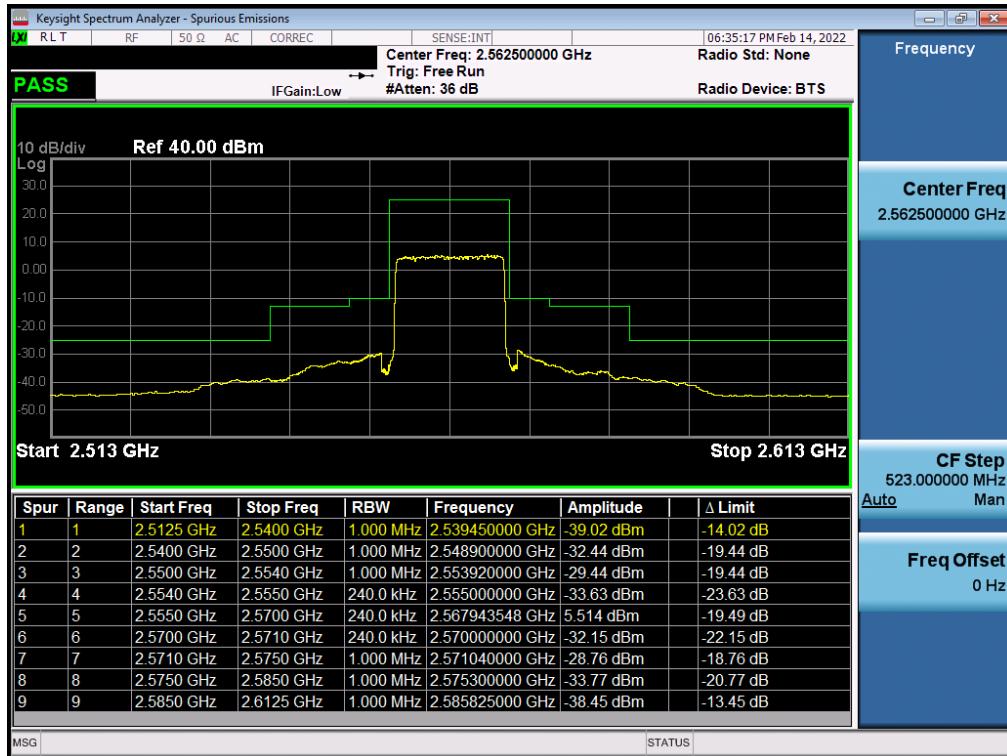


Plot 7-220. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

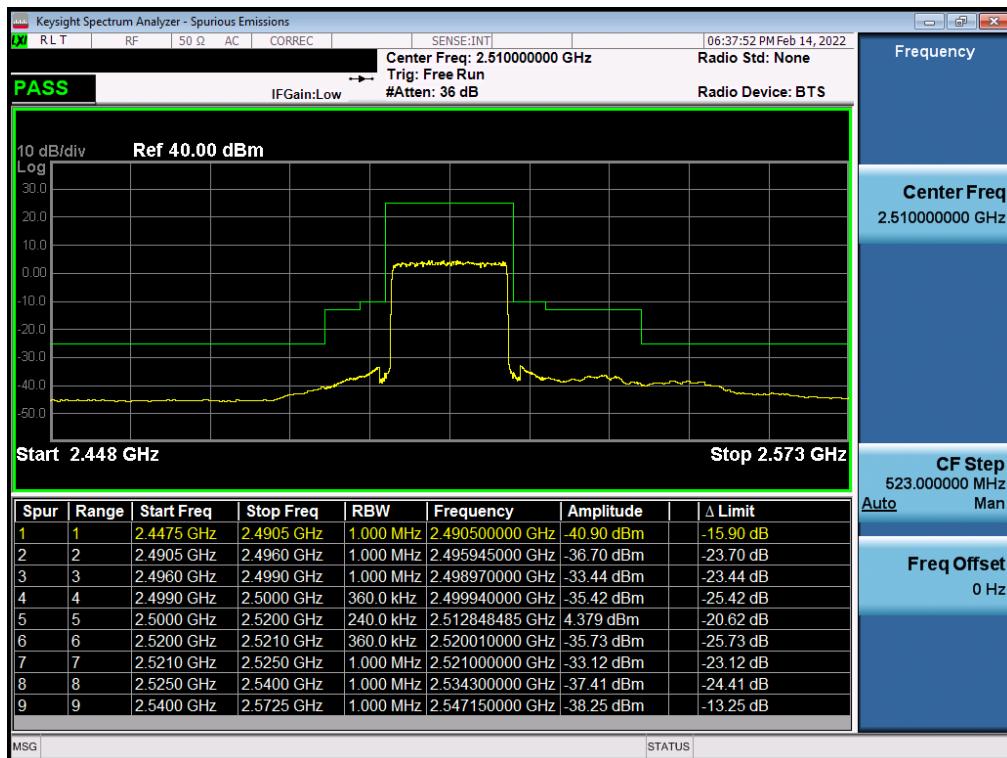


Plot 7-221. Middle ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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

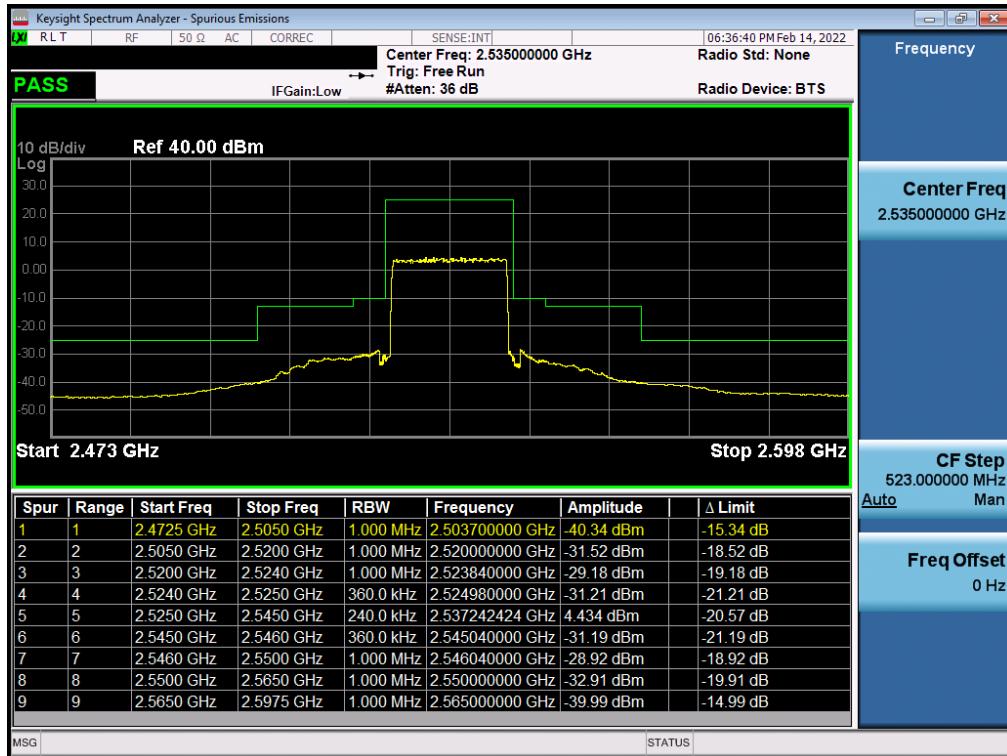


Plot 7-222. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB)

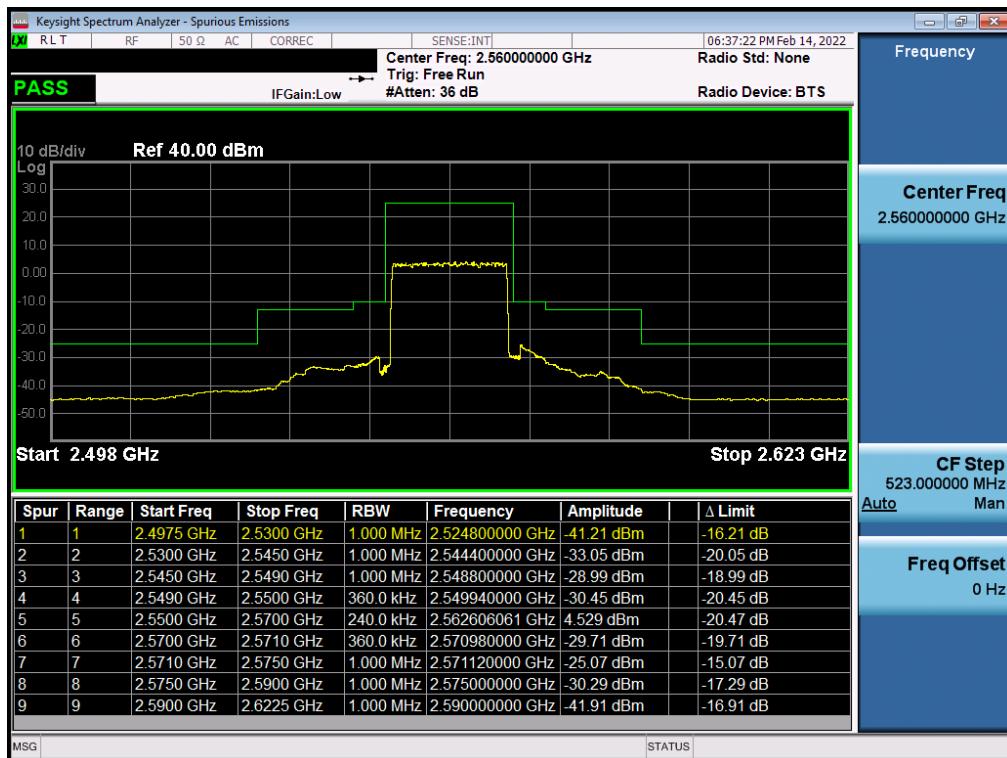


Plot 7-223. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			



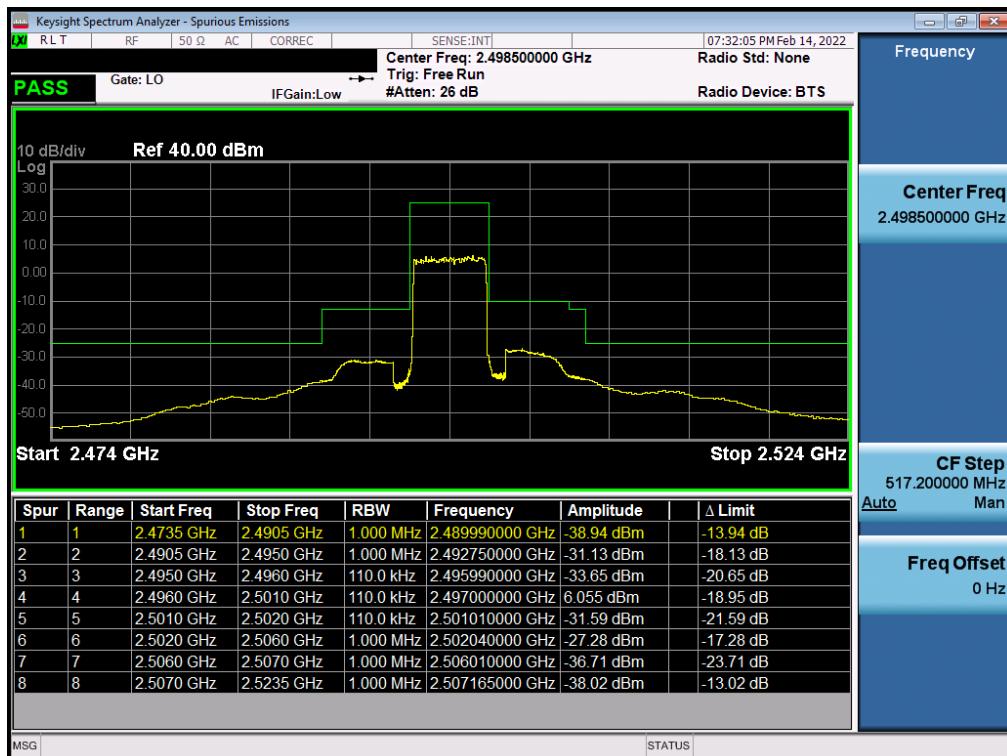
Plot 7-224. Middle ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB)



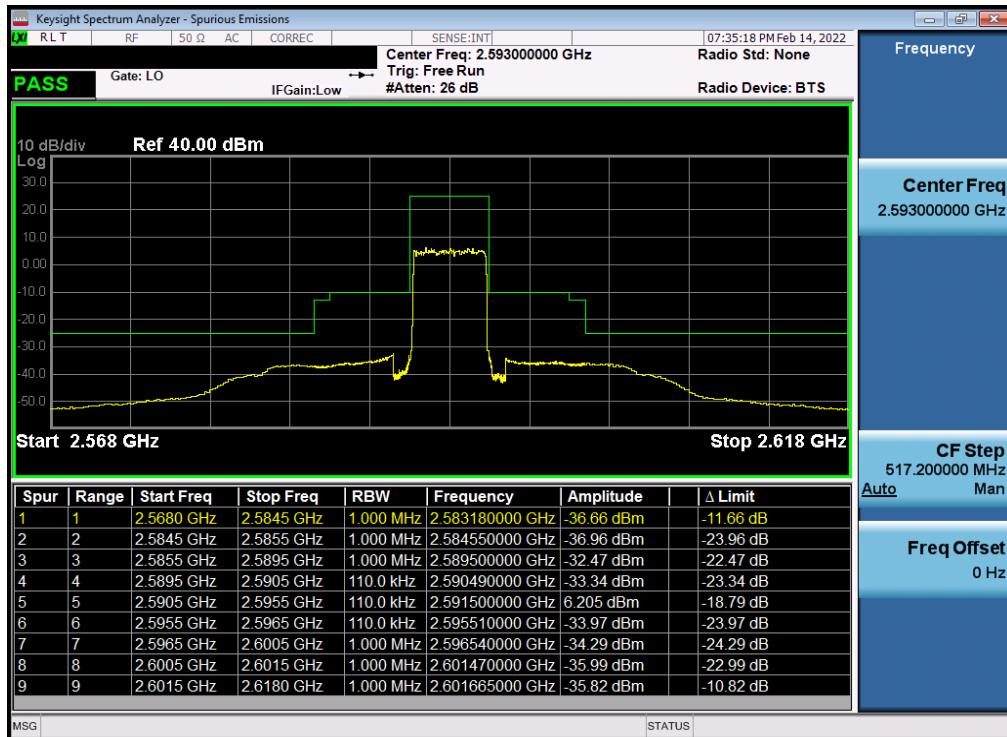
Plot 7-225. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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

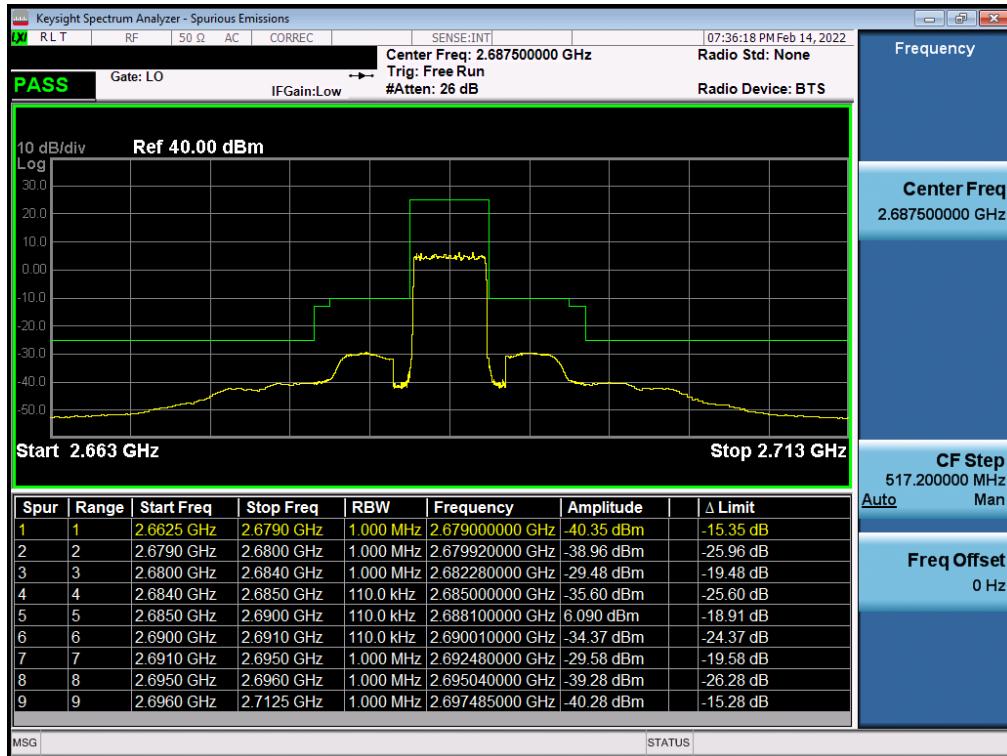


Plot 7-226. Lower ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

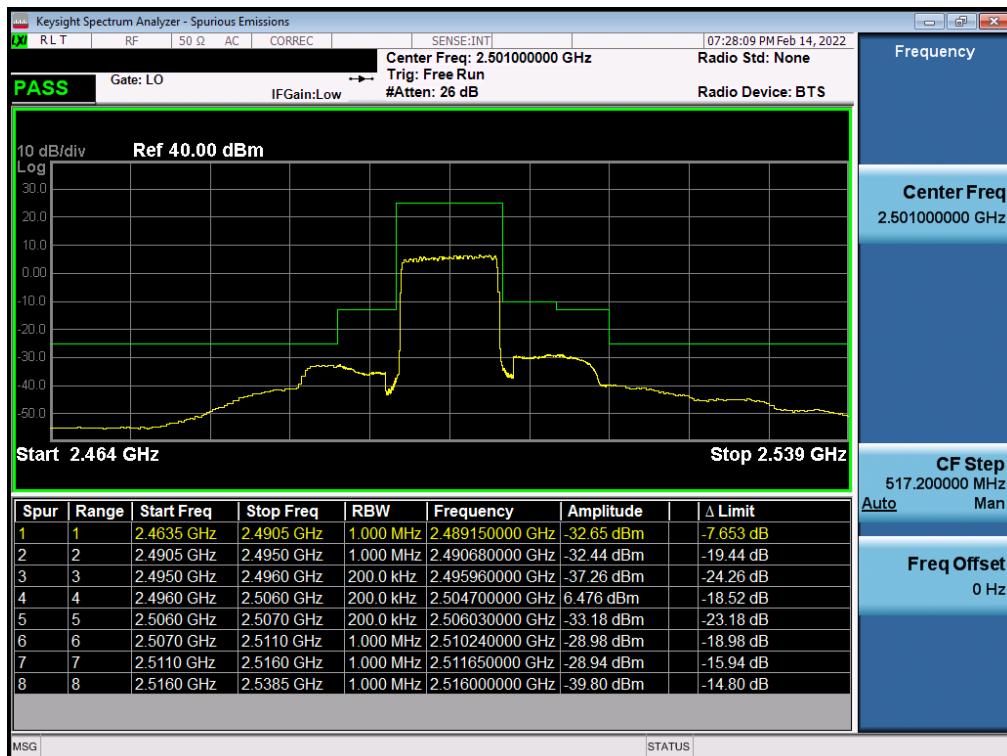


Plot 7-227. Middle ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

FCC ID: BCGA2589	 PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			Page 138 of 266

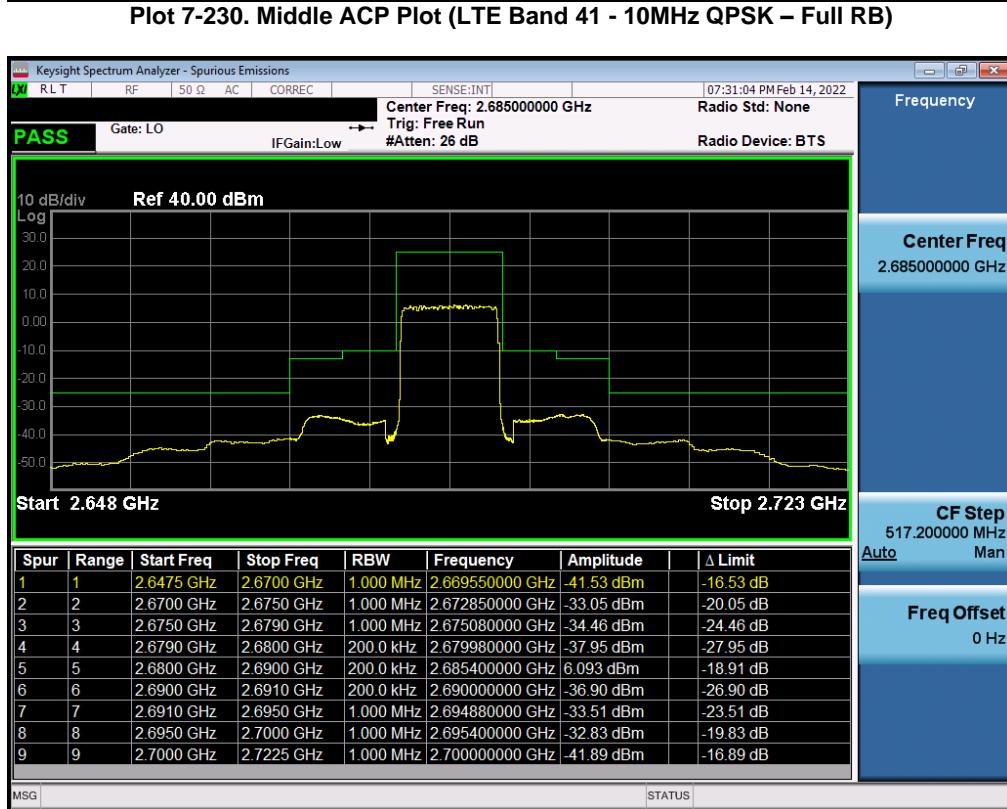
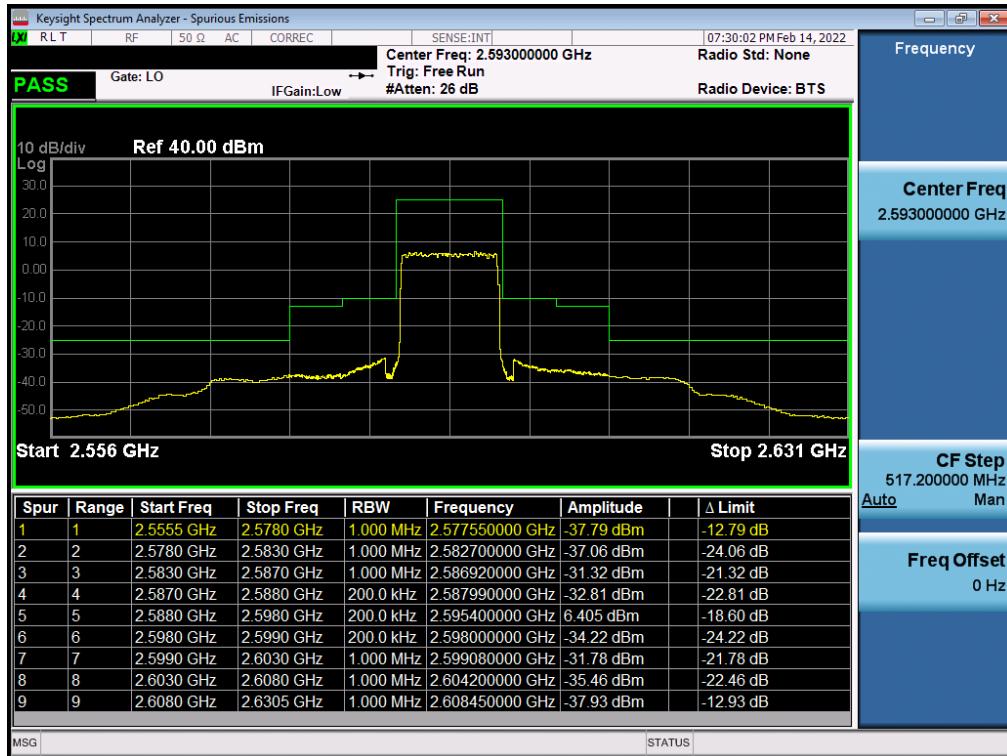


Plot 7-228. Upper ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB)

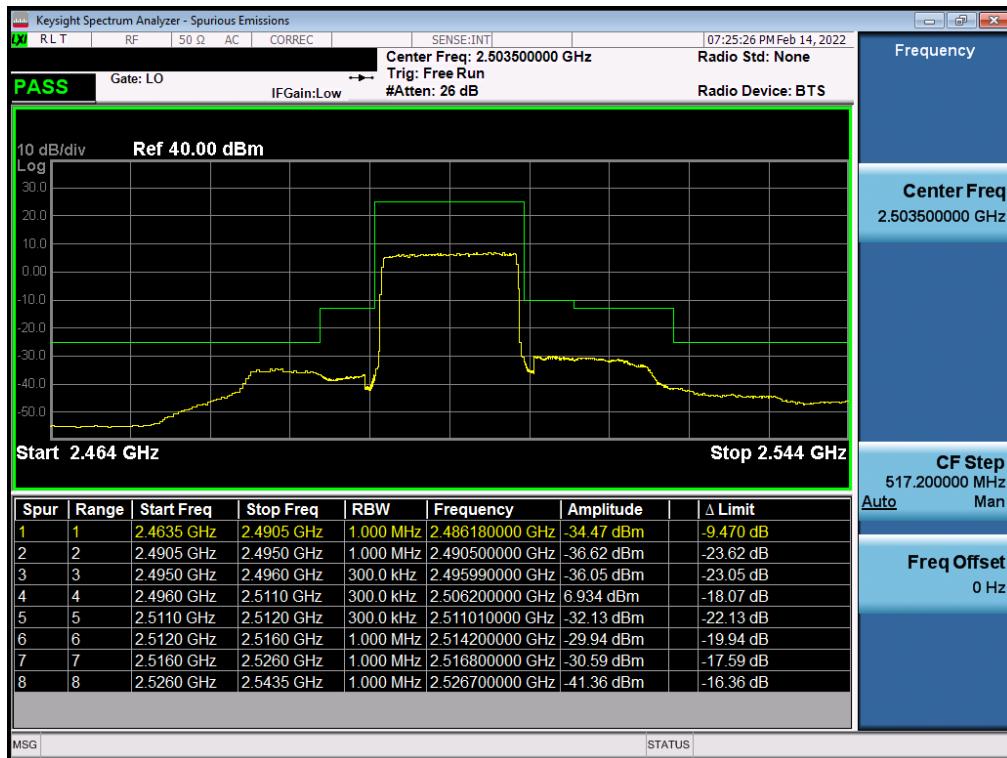


Plot 7-229. Lower ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB)

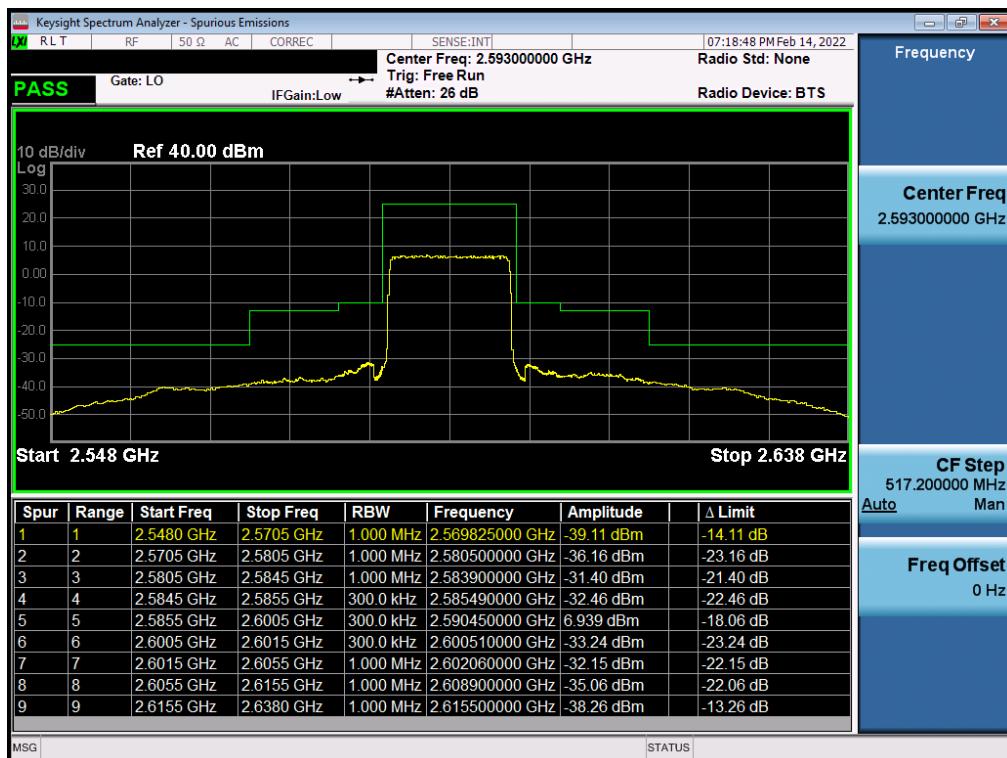
FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			



FCC ID: BCGA2589	PCTEST Proud to be part of 			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

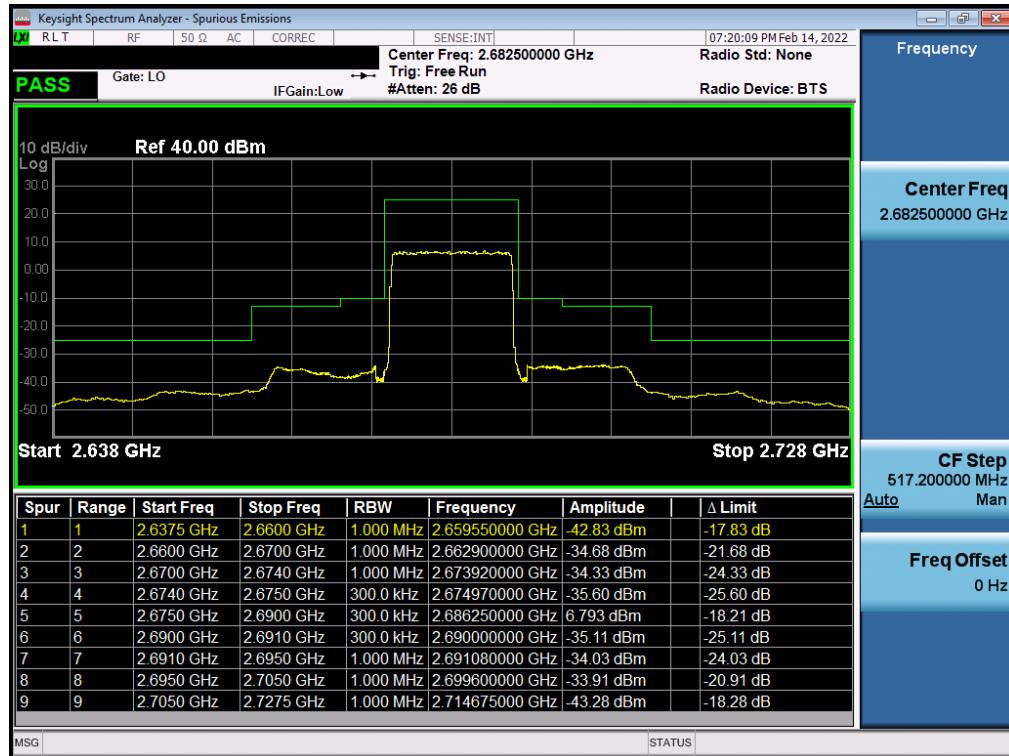


Plot 7-232. Lower ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			

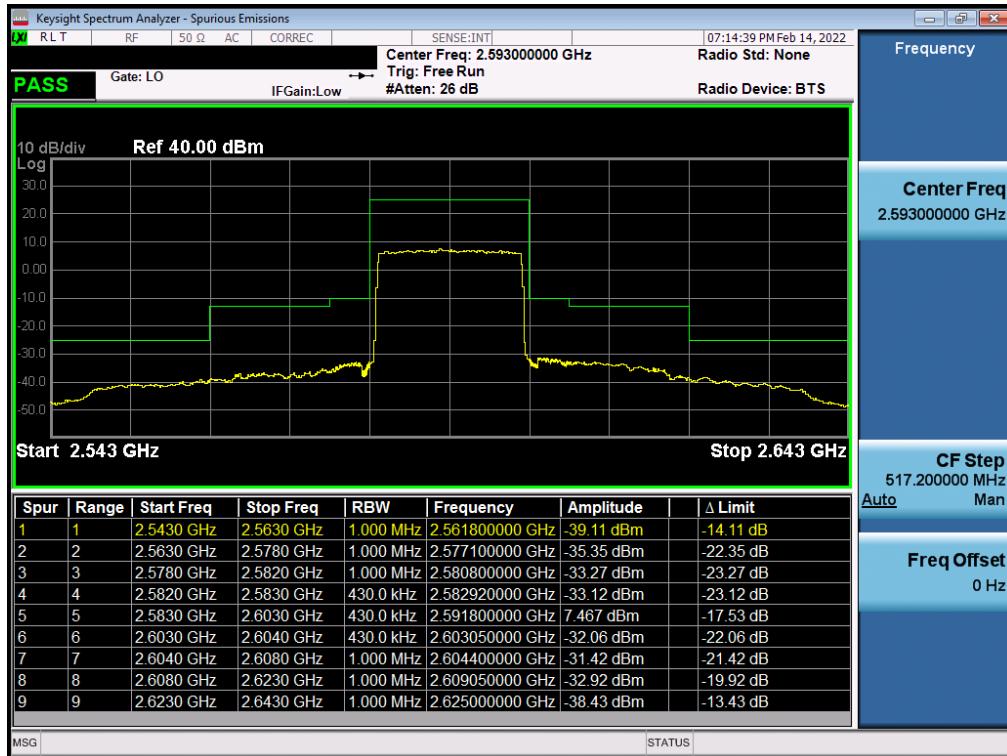


Plot 7-234. Upper ACP Plot (LTE Band 41 - 15MHz QPSK – Full RB)

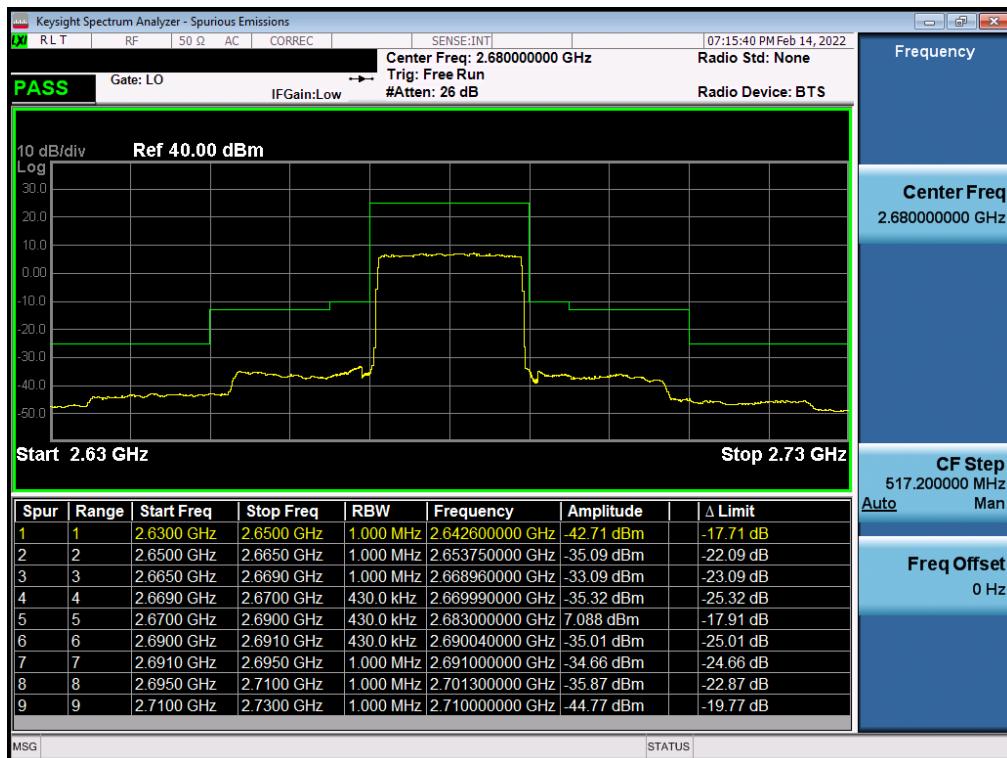


Plot 7-235. Lower ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			



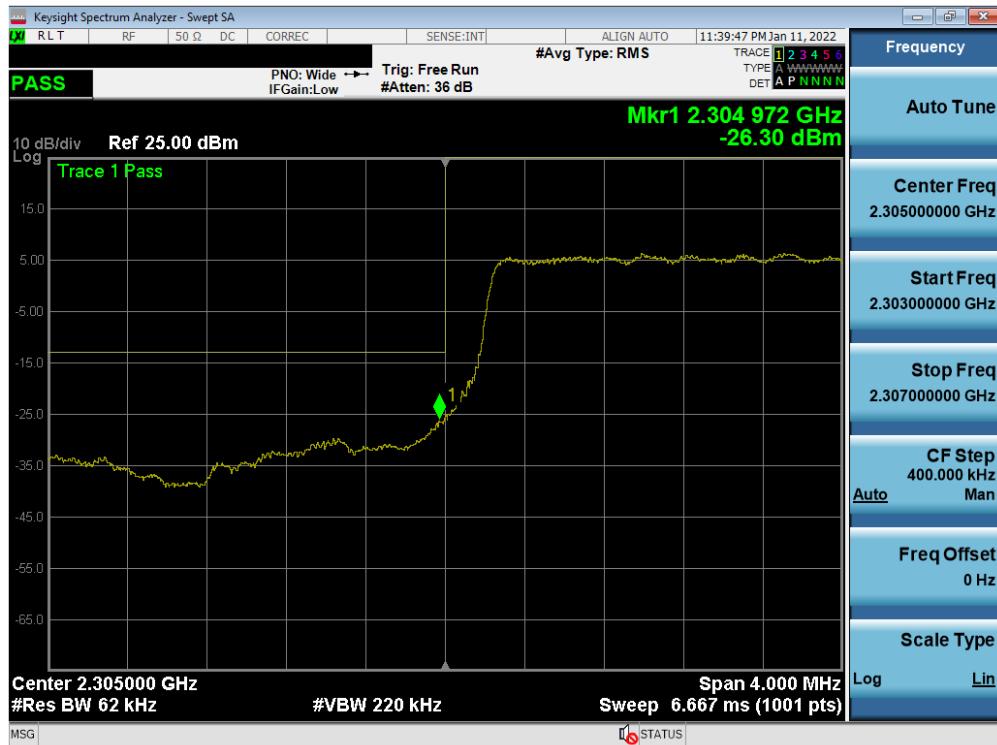
Plot 7-236. Middle ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)



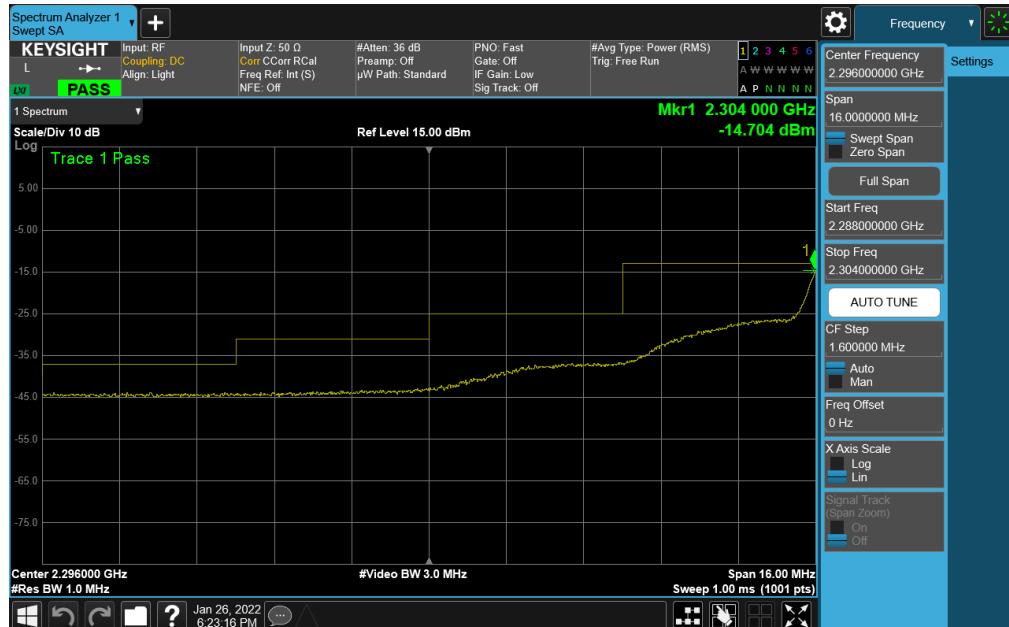
Plot 7-237. Upper ACP Plot (LTE Band 41 - 20MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			

NR Band n30



Plot 7-238. Lower Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM π/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	PCTEST Proud to be part of 			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

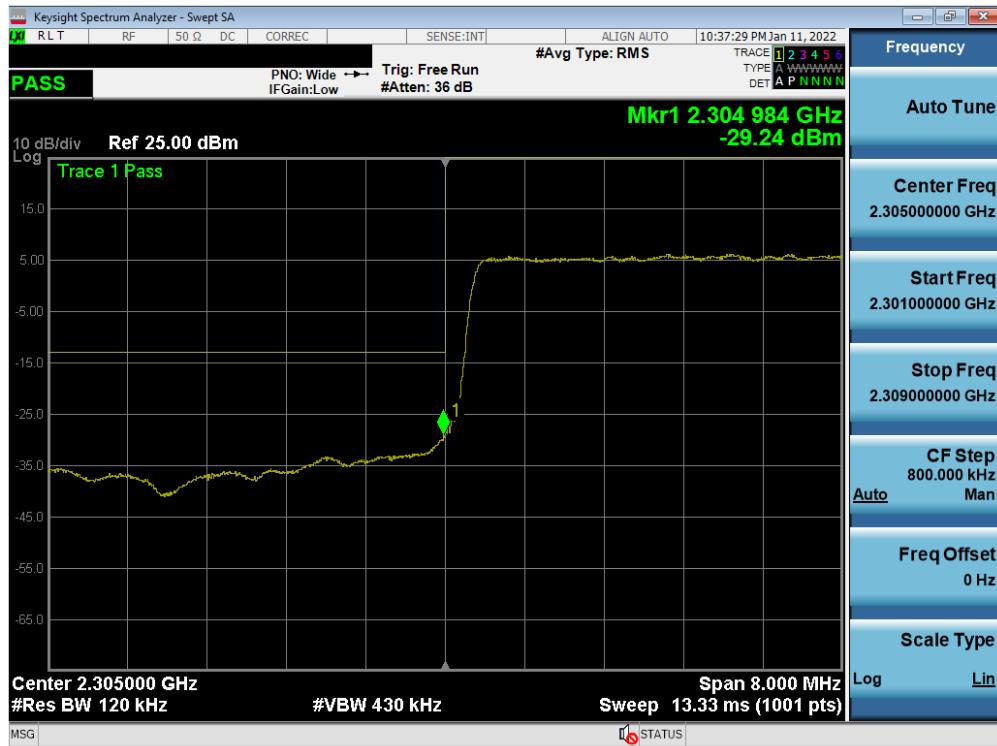


Plot 7-240. Upper Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM QPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			

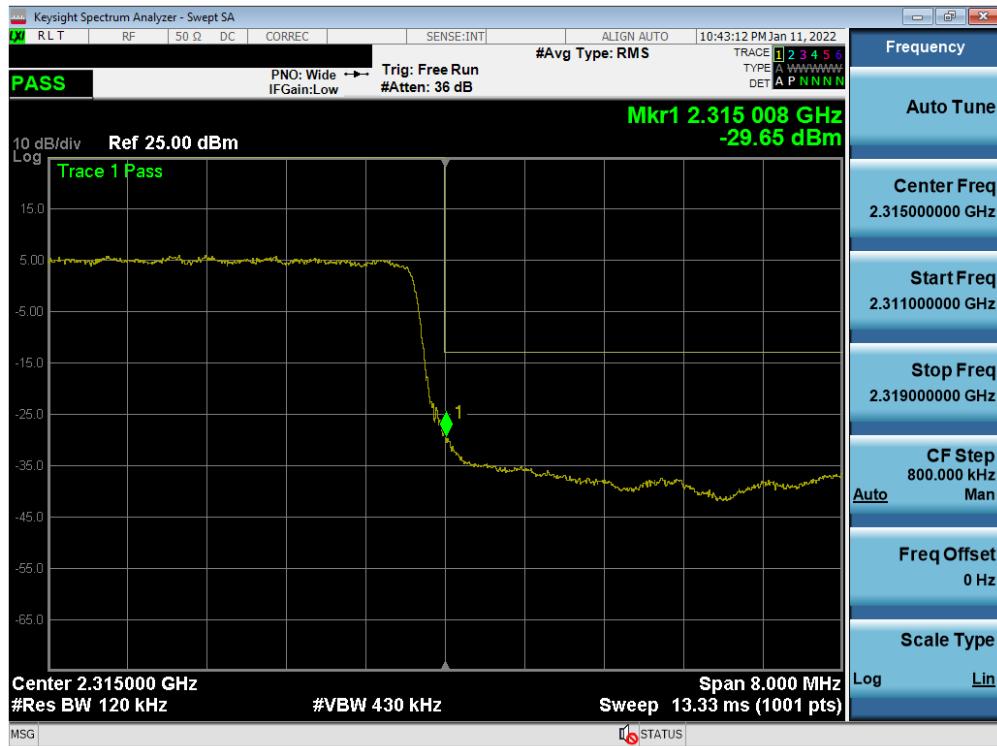


Plot 7-242. Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			Page 146 of 266



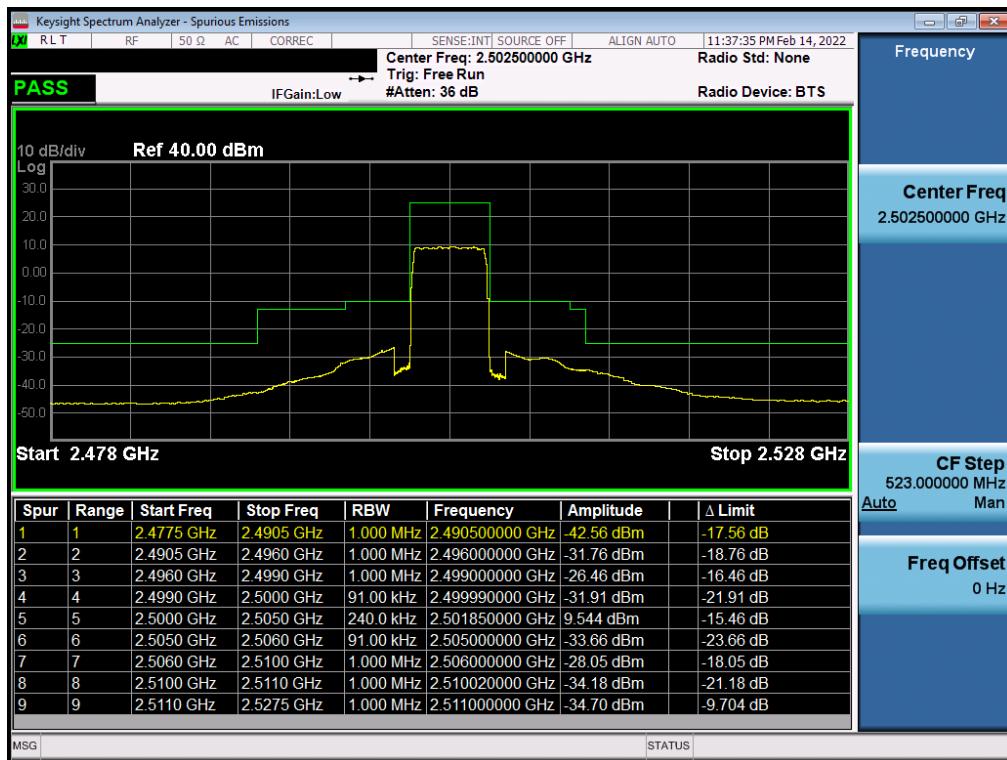
Plot 7-244. Upper Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)



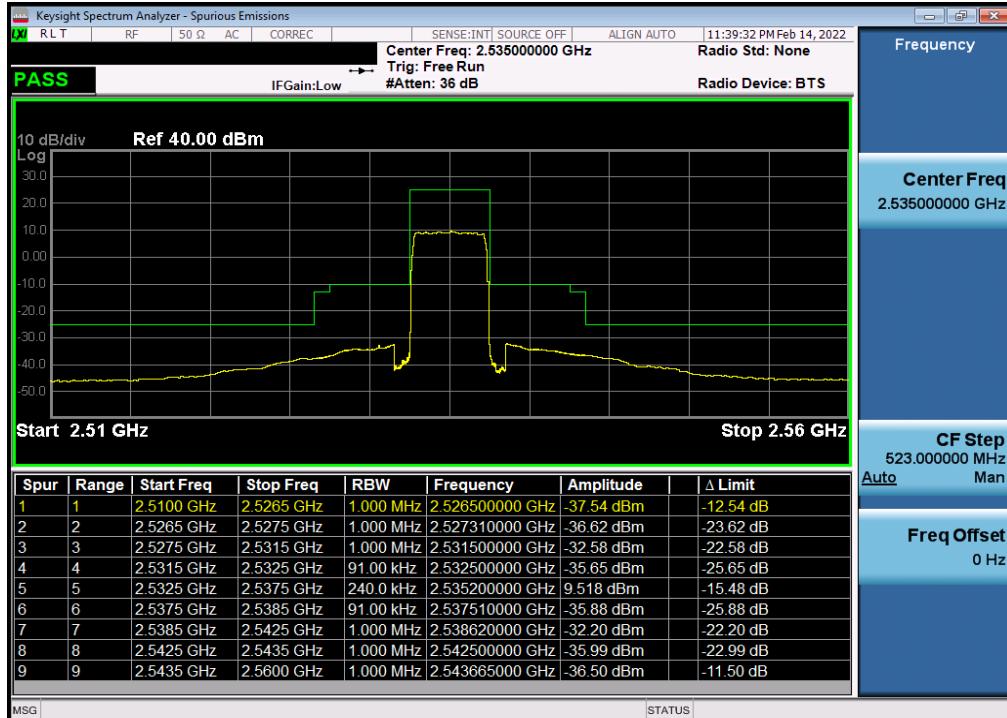
Plot 7-245. Extended Upper Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			Page 147 of 266

NR Band n7

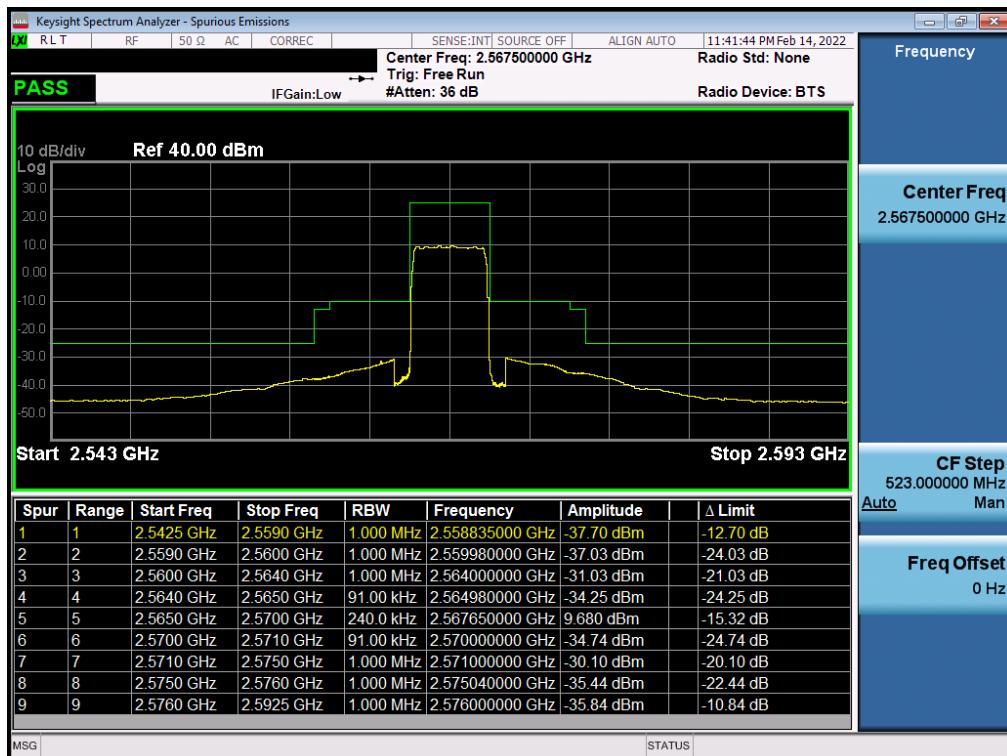


Plot 7-246. Lower Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)

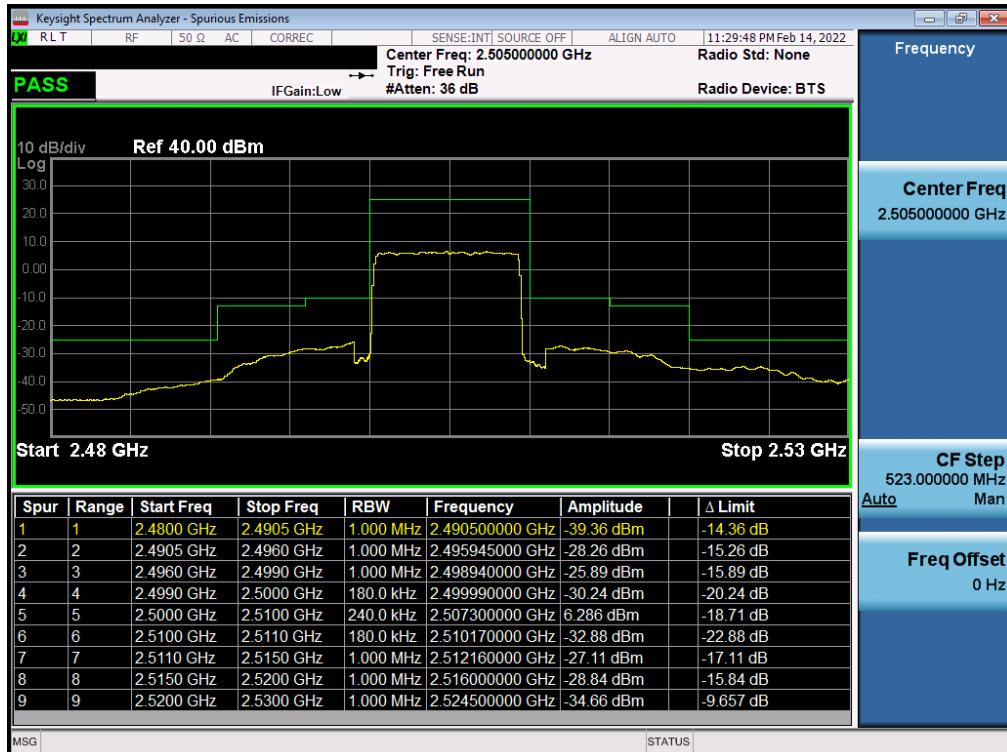


Plot 7-247. Middle Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA2589	 PCTEST® Proud to be part of 	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

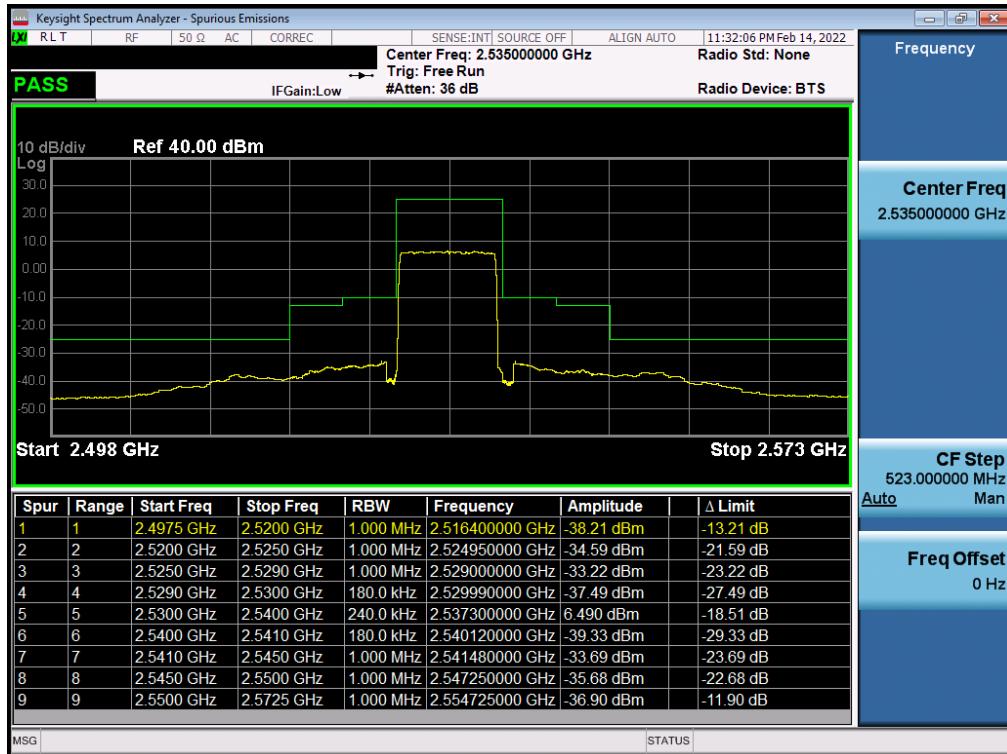


Plot 7-248. Upper Band Edge Plot (NR Band n7 - 5MHz DFT-s-OFDM π/2 BPSK – Full RB)

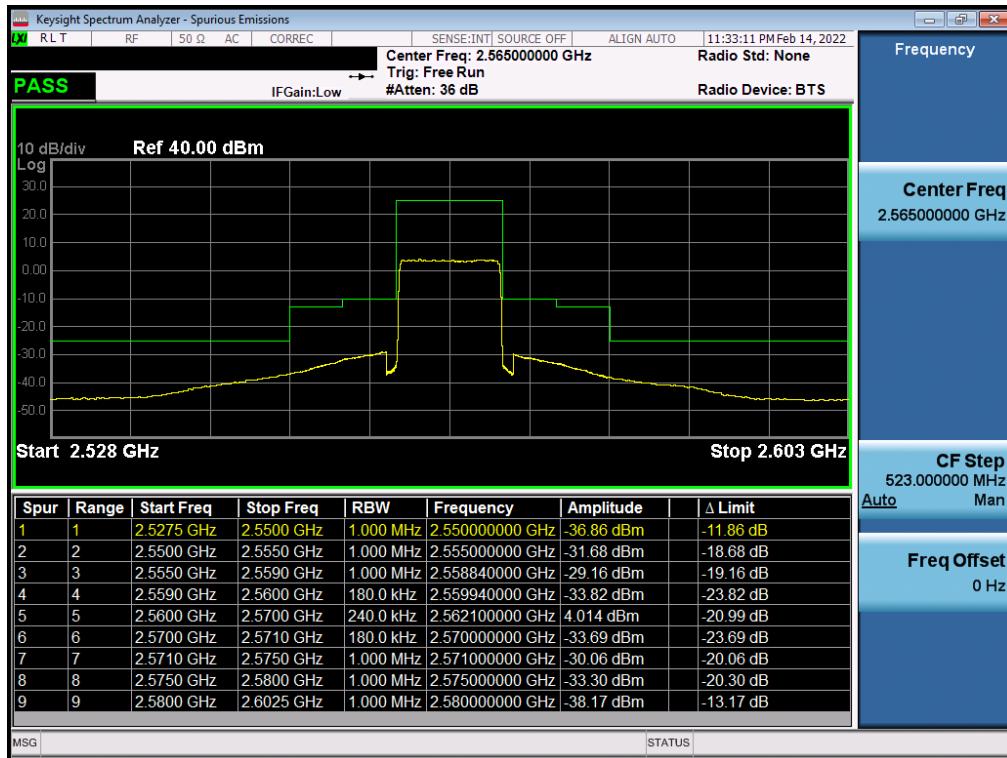


Plot 7-249. Lower Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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

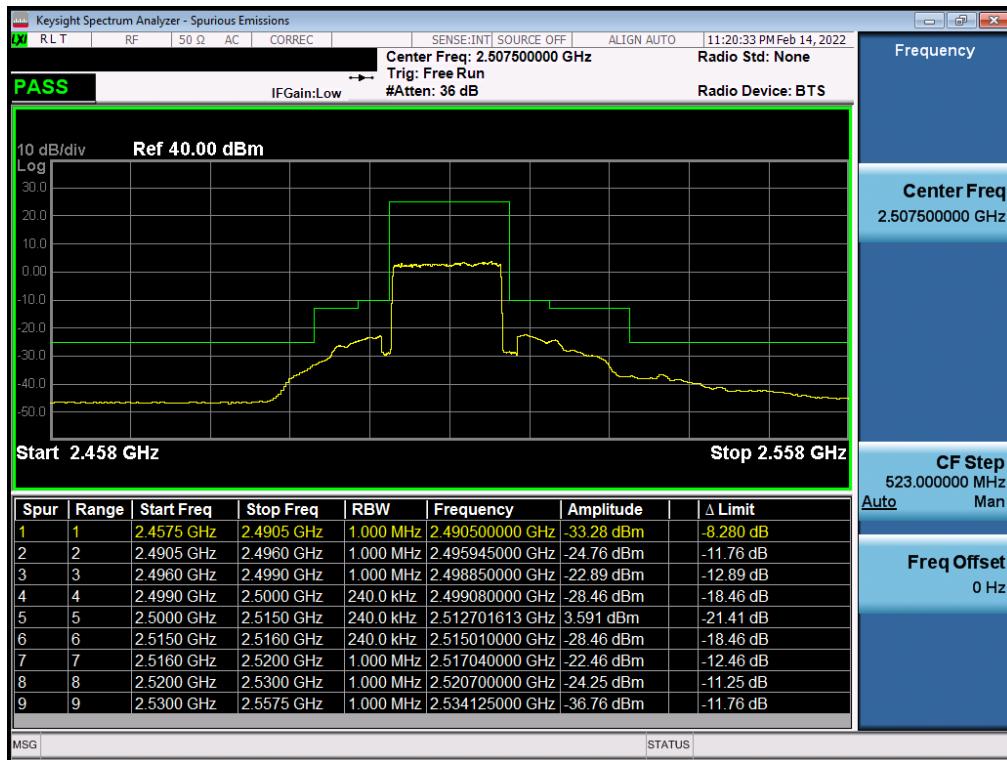


Plot 7-250. Middle Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM π/2 BPSK – Full RB)

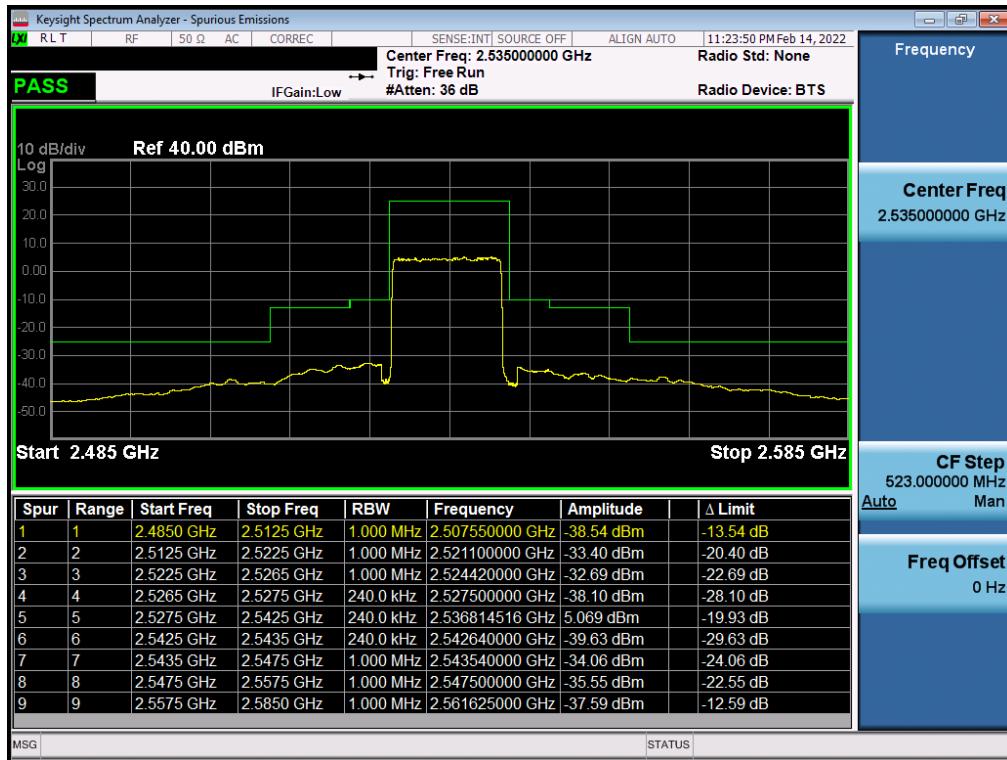


Plot 7-251. Upper Band Edge Plot (NR Band n7 - 10MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			

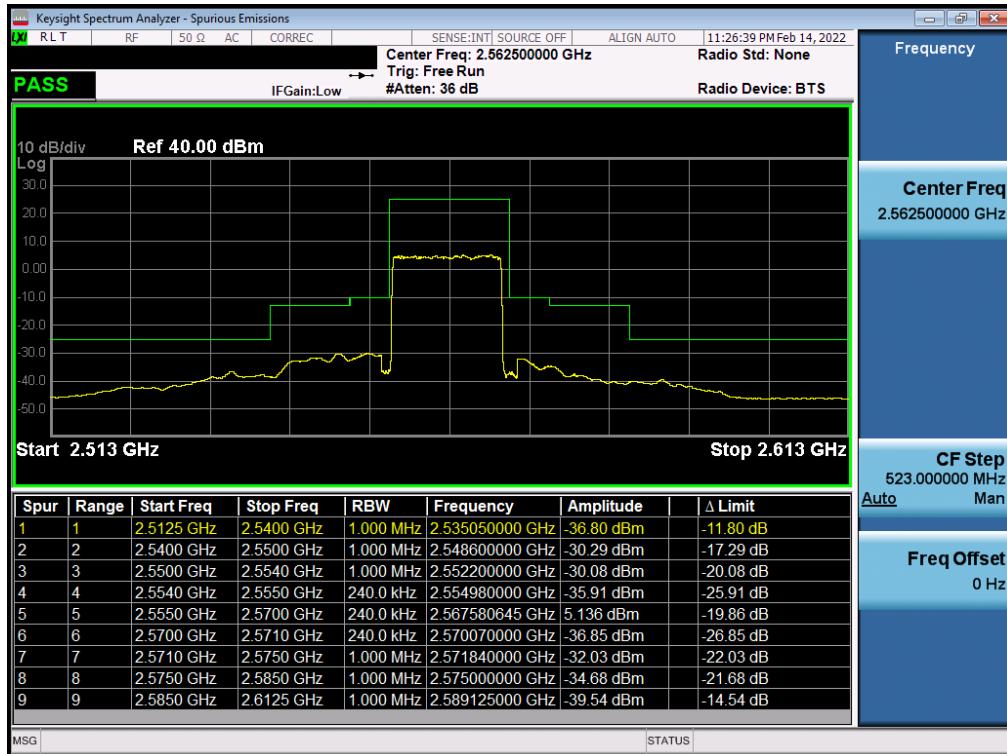


Plot 7-252. Lower Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK – Full RB)

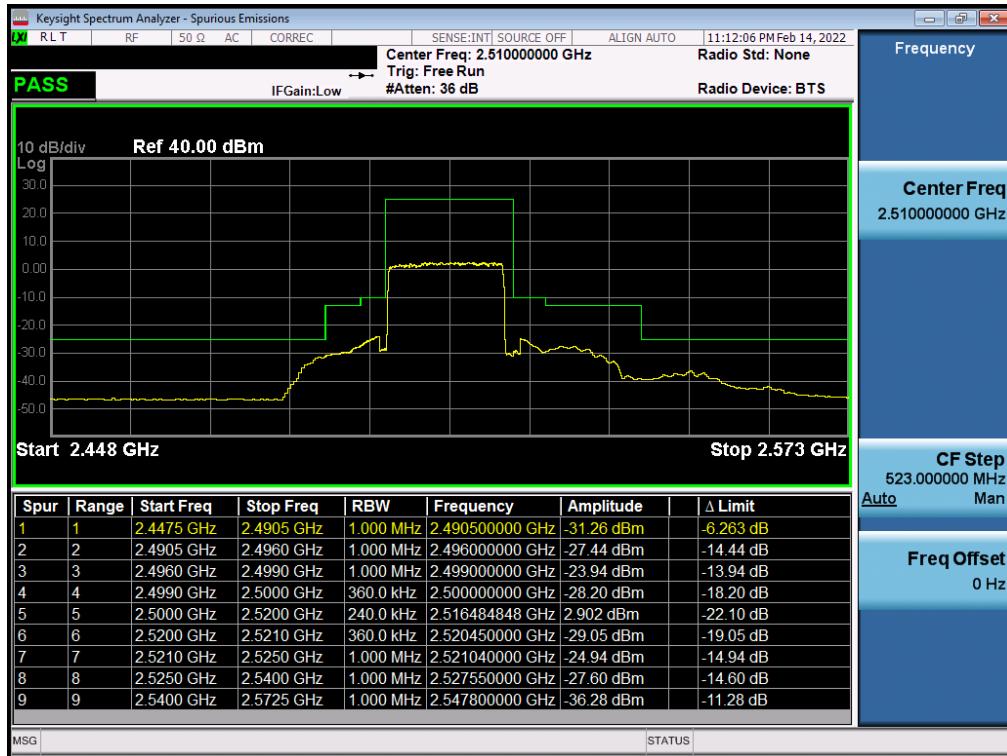


Plot 7-253. Middle Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			Page 151 of 266

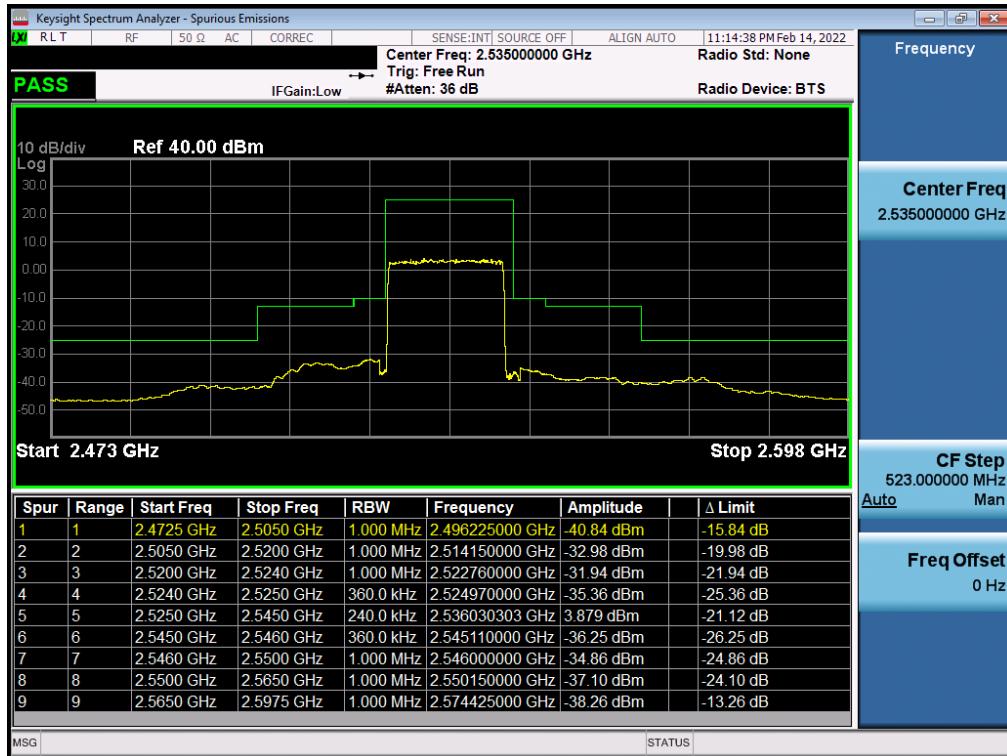


Plot 7-254. Upper Band Edge Plot (NR Band n7 - 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

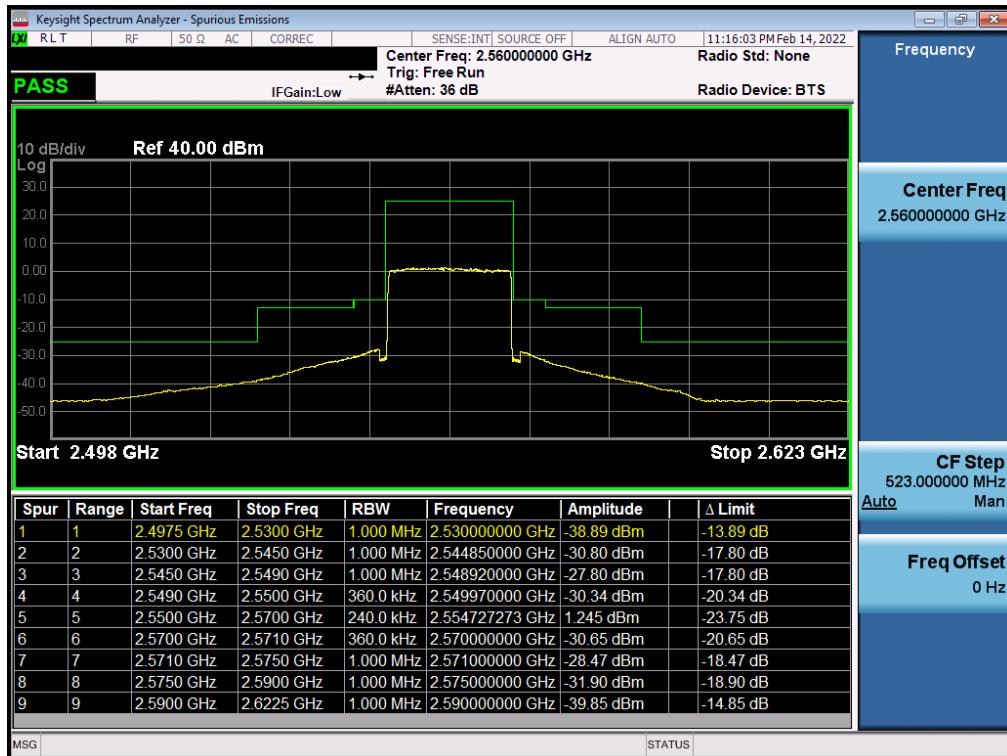


Plot 7-255. Lower Band Edge Plot (NR Band n7 - 20MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			



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

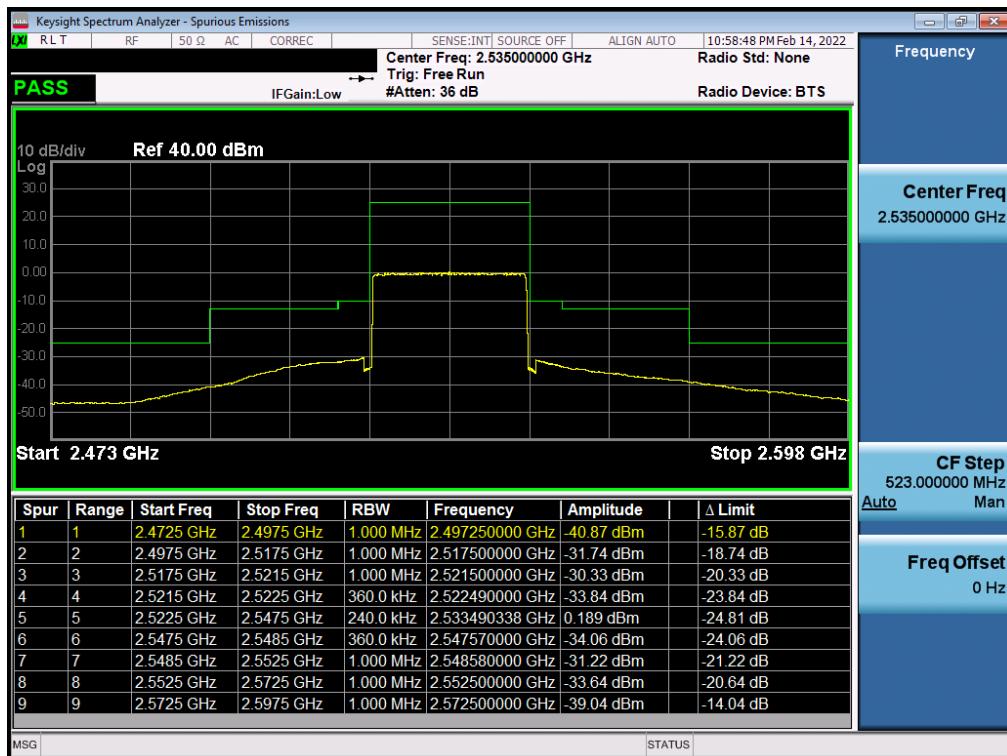


Plot 7-257. Upper Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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	

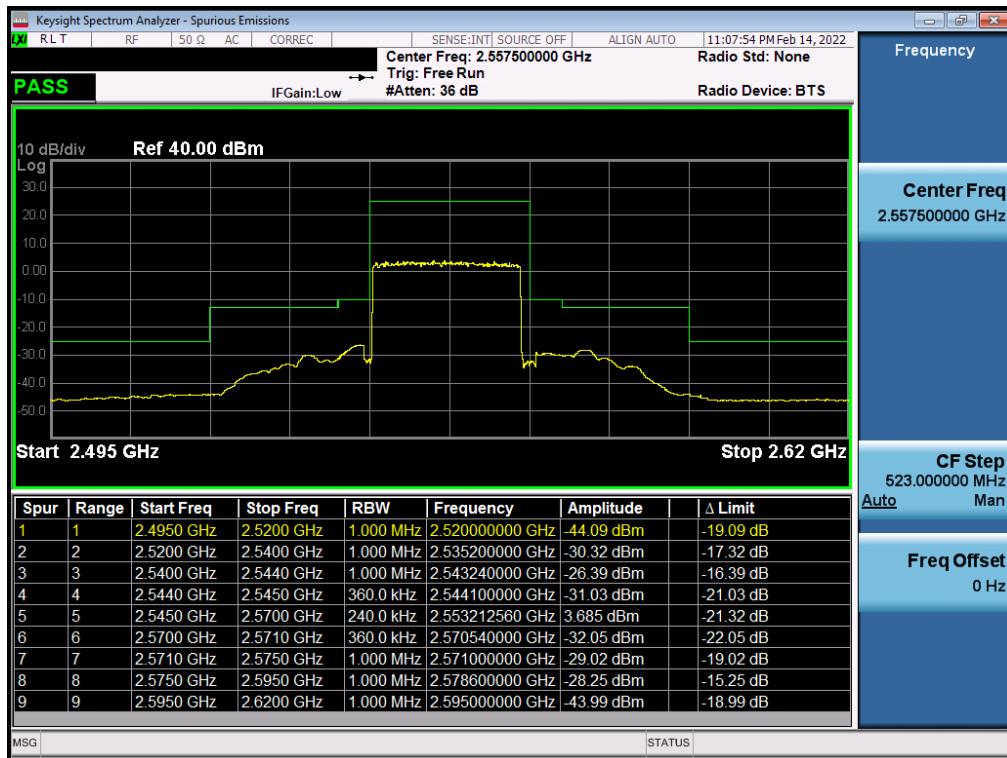


Plot 7-258. Lower Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM π/2 BPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			

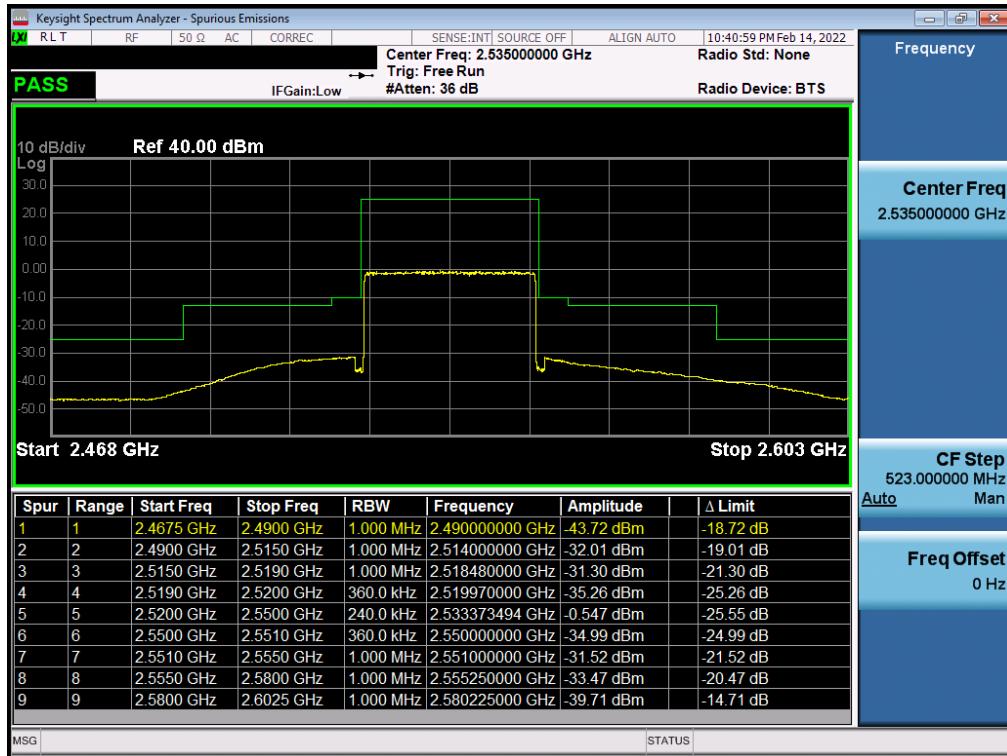


Plot 7-260. Upper Band Edge Plot (NR Band n7 - 25MHz CP-OFDM QPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			

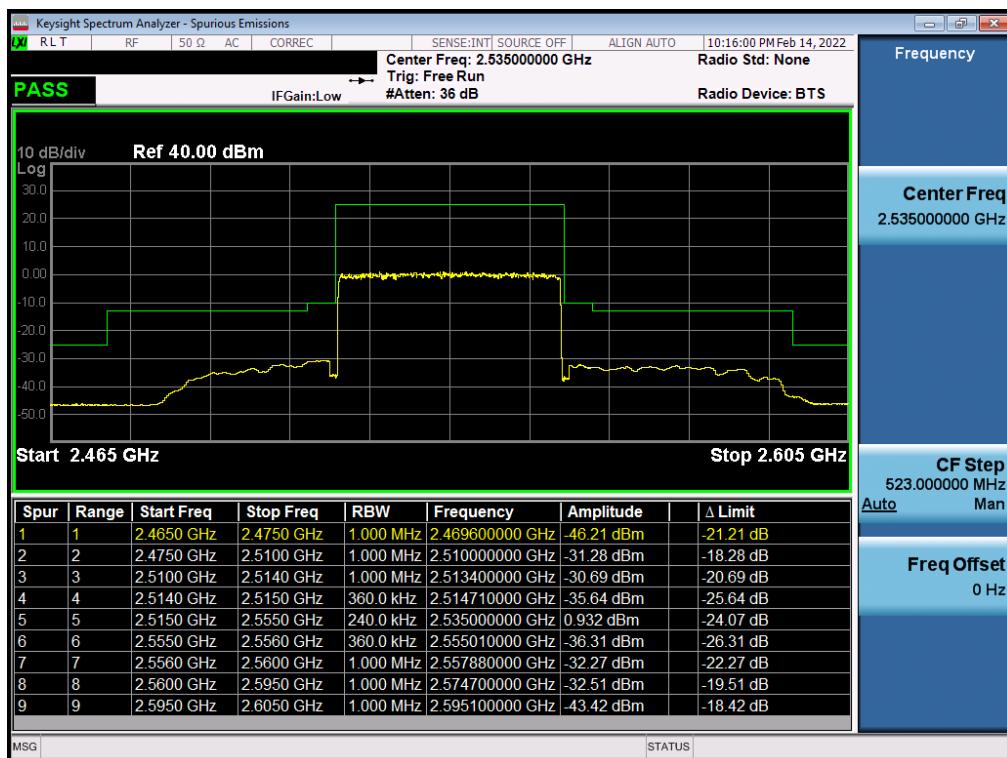


Plot 7-262. Middle Band Edge Plot (NR Band n7 - 30MHz CP-OFDM QPSK – Full RB)

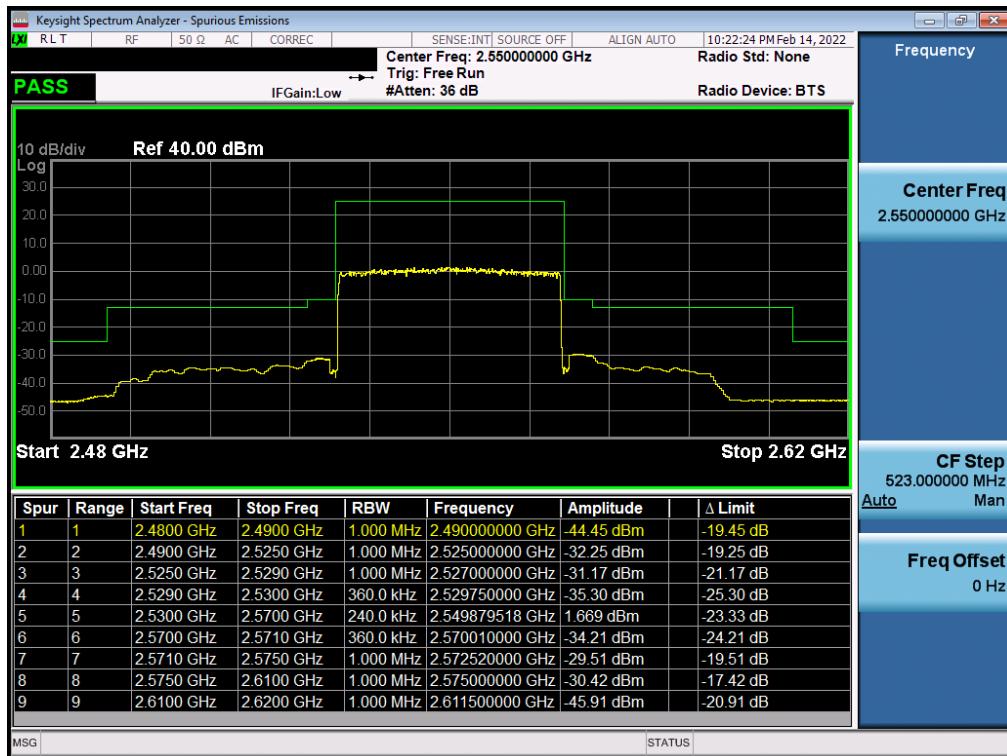


Plot 7-263. Upper Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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



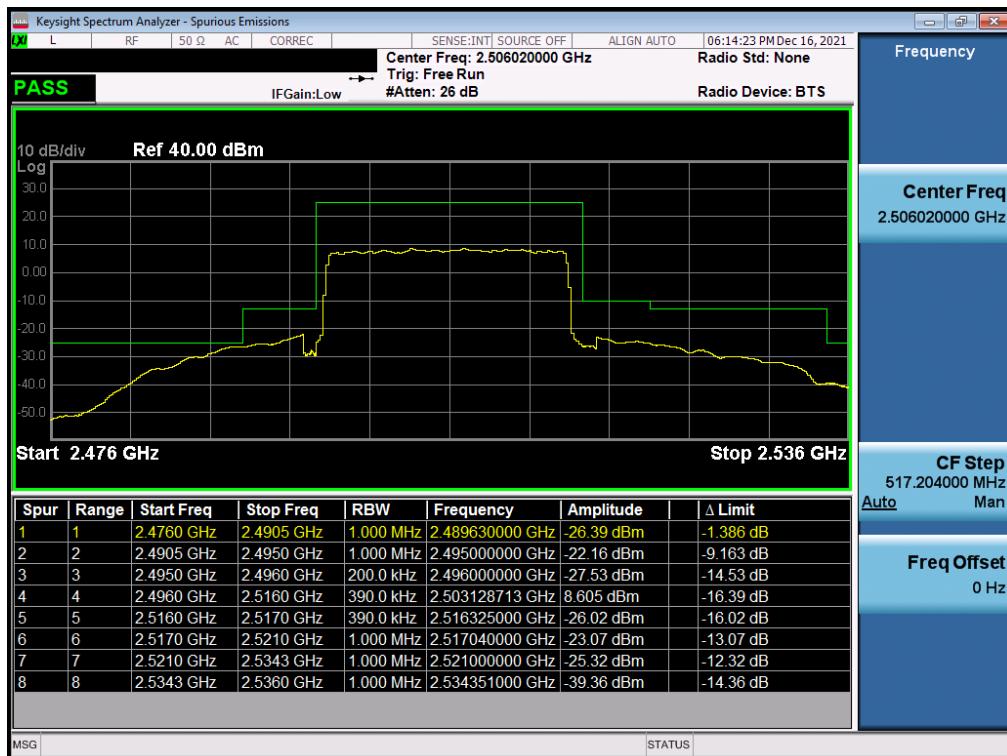
FCC ID: BCGA2589	 PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device		Page 157 of 266



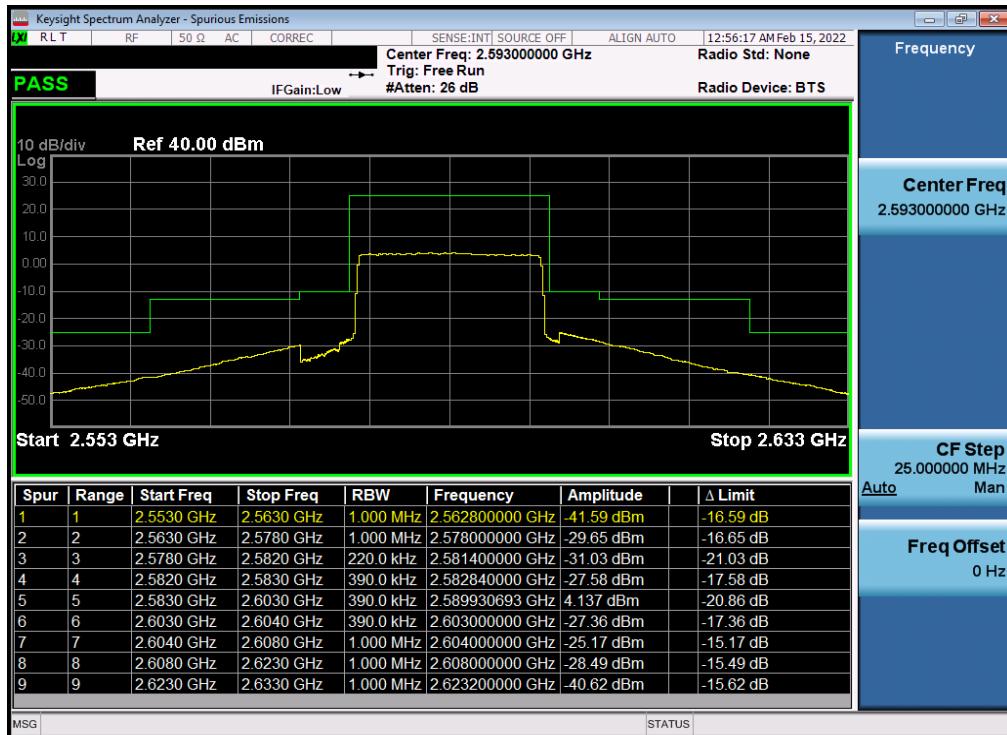
Plot 7-266. Upper Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA2589	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)

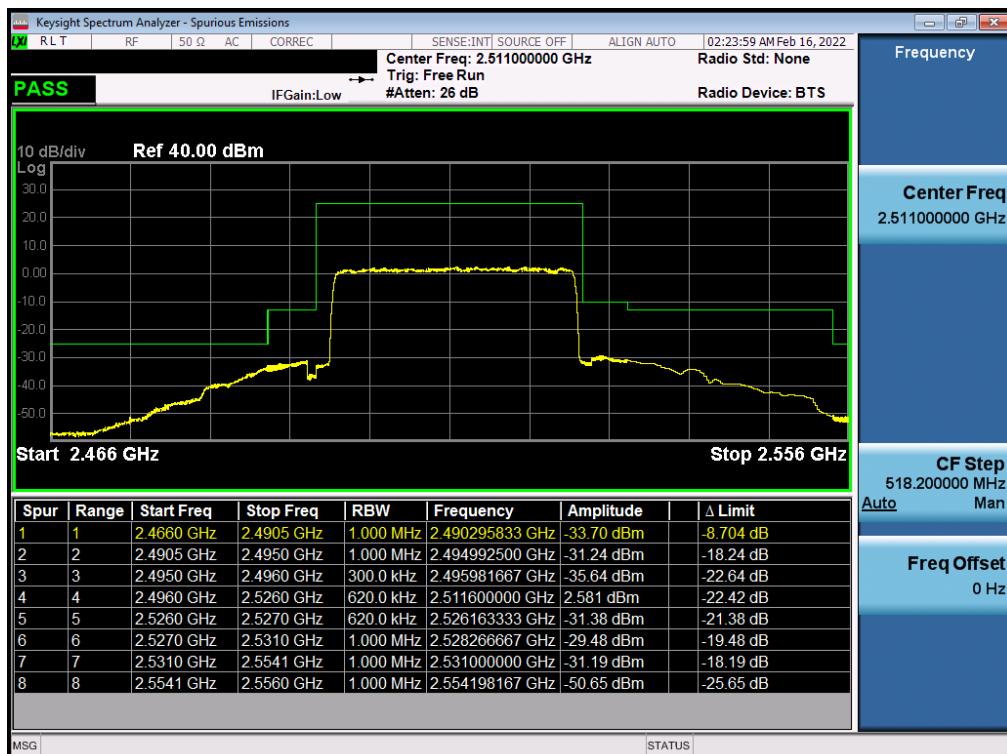


Plot 7-268. Middle ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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)

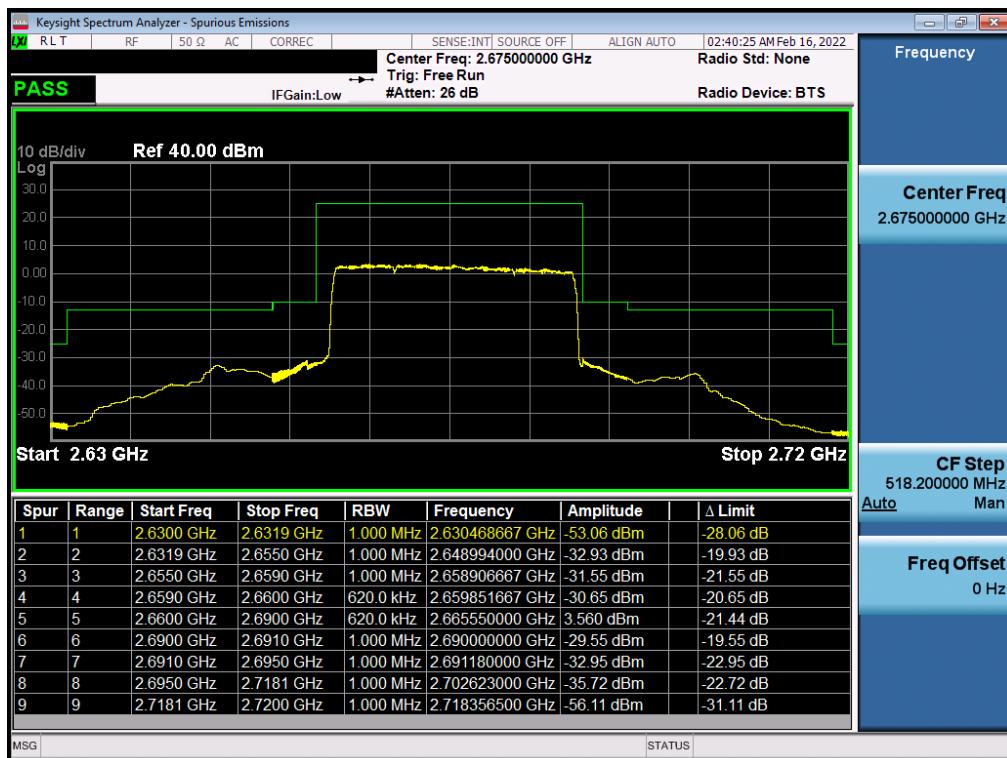


Plot 7-270. Lower ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM π/2 BPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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 π/2 BPSK – Full RB)

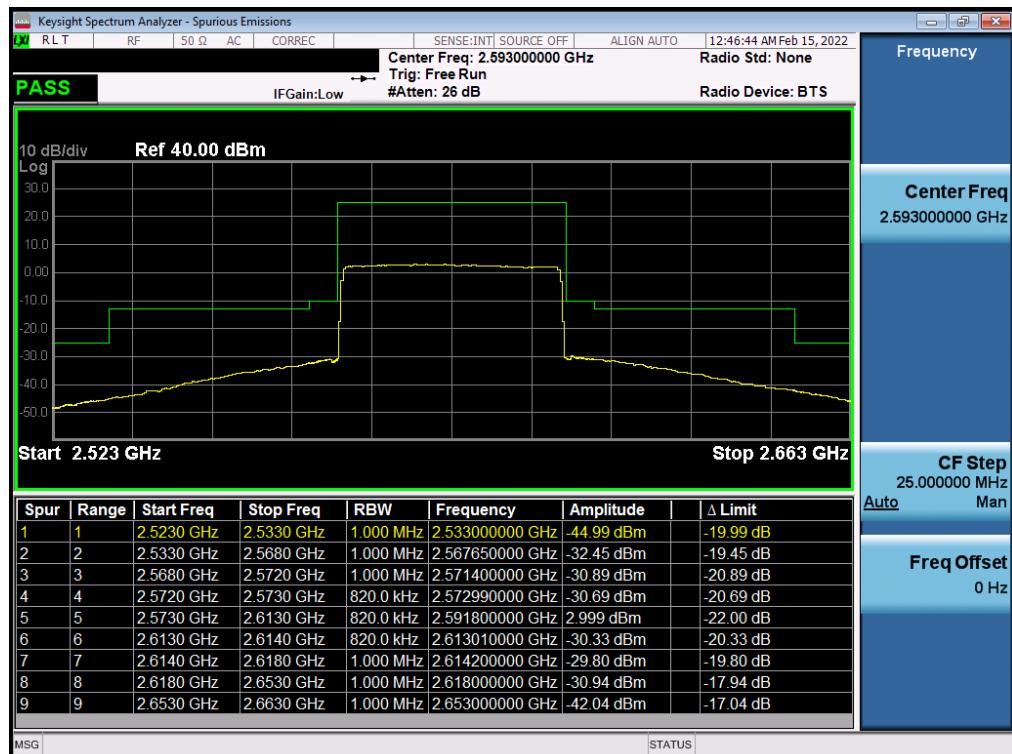


Plot 7-272. Upper ACP Plot (NR Band n41 - 30MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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)

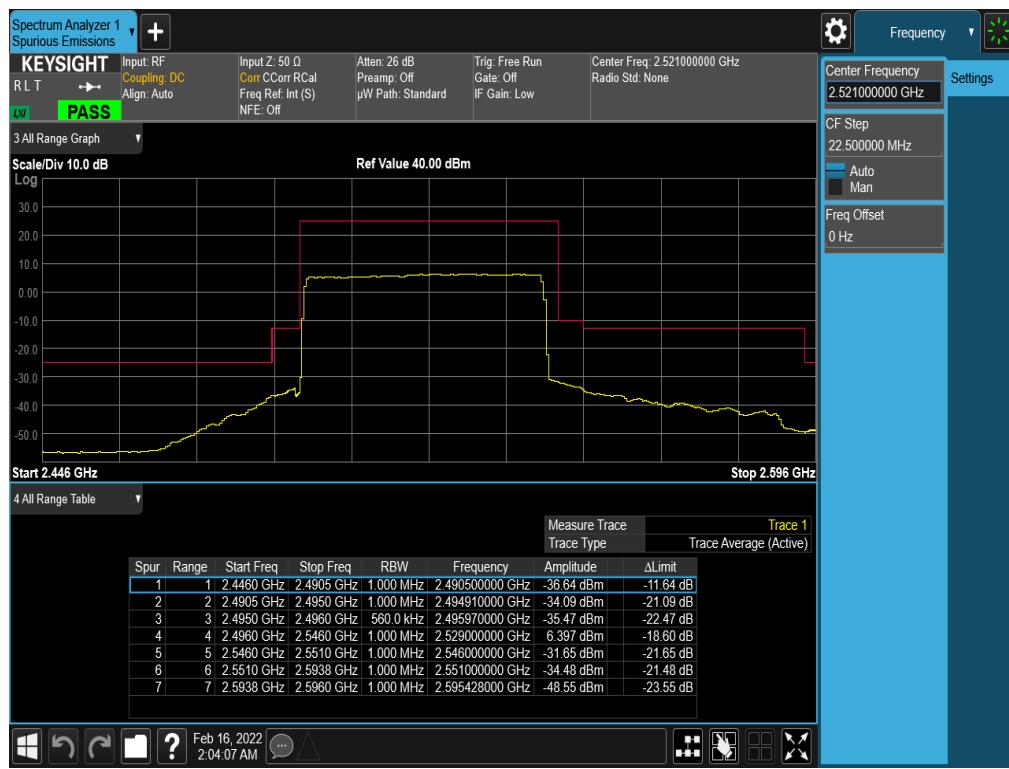


Plot 7-274. Middle ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			Page 162 of 266

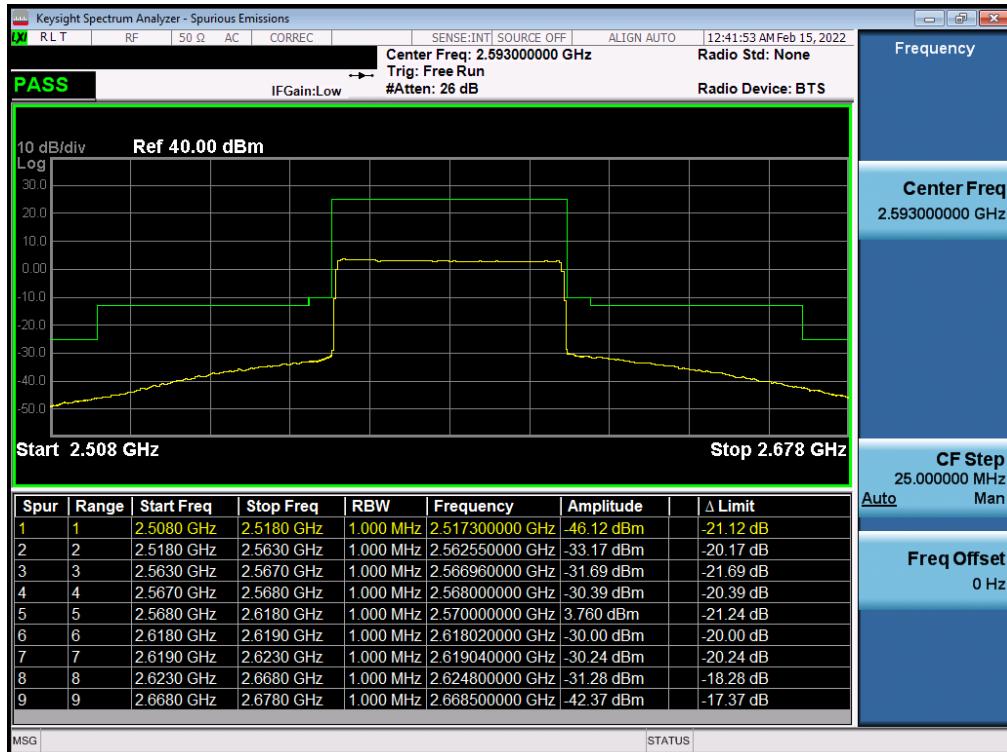


Plot 7-275. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

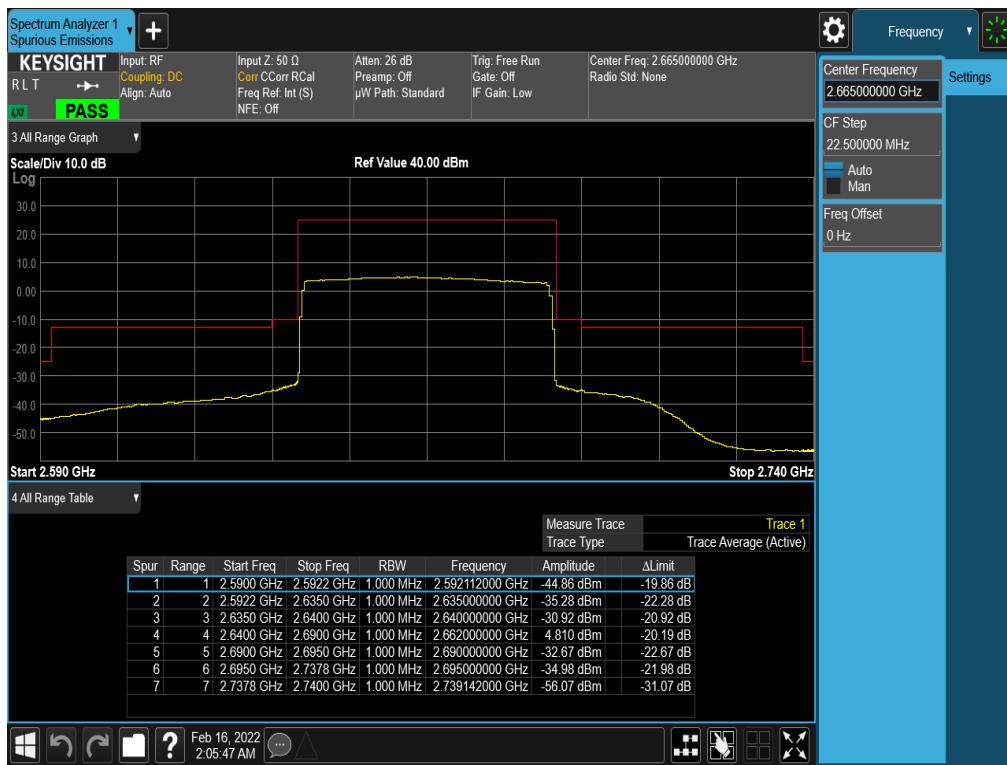


Plot 7-276. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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	PCTEST Proud to be part of 	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

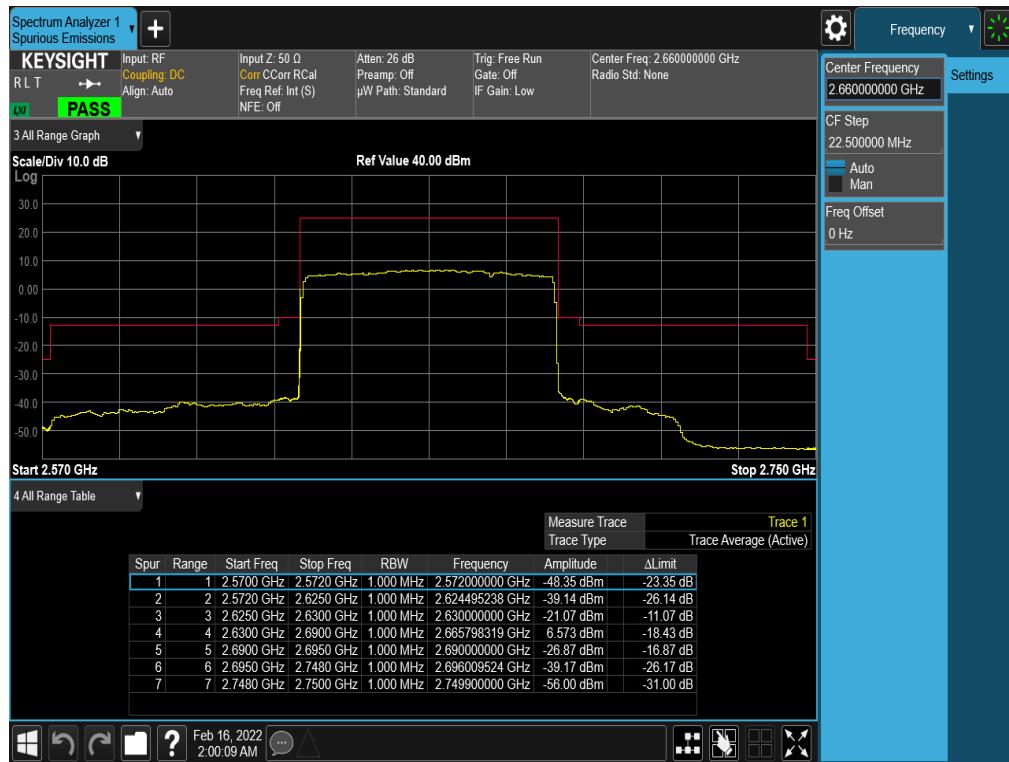


Plot 7-279. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

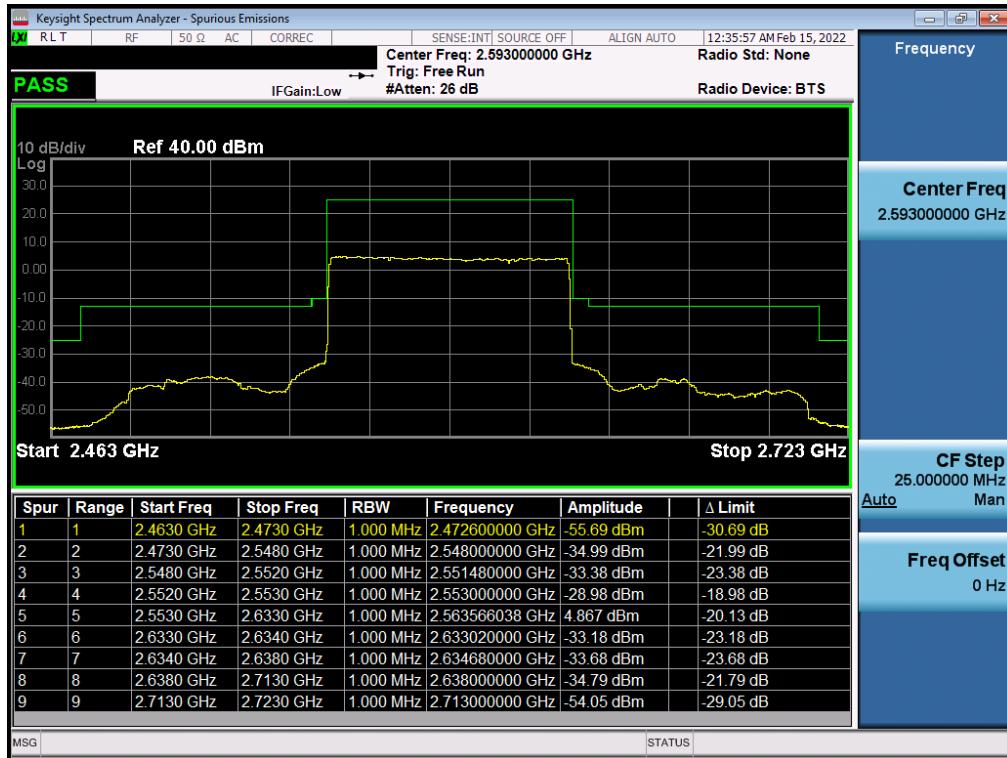


Plot 7-280. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

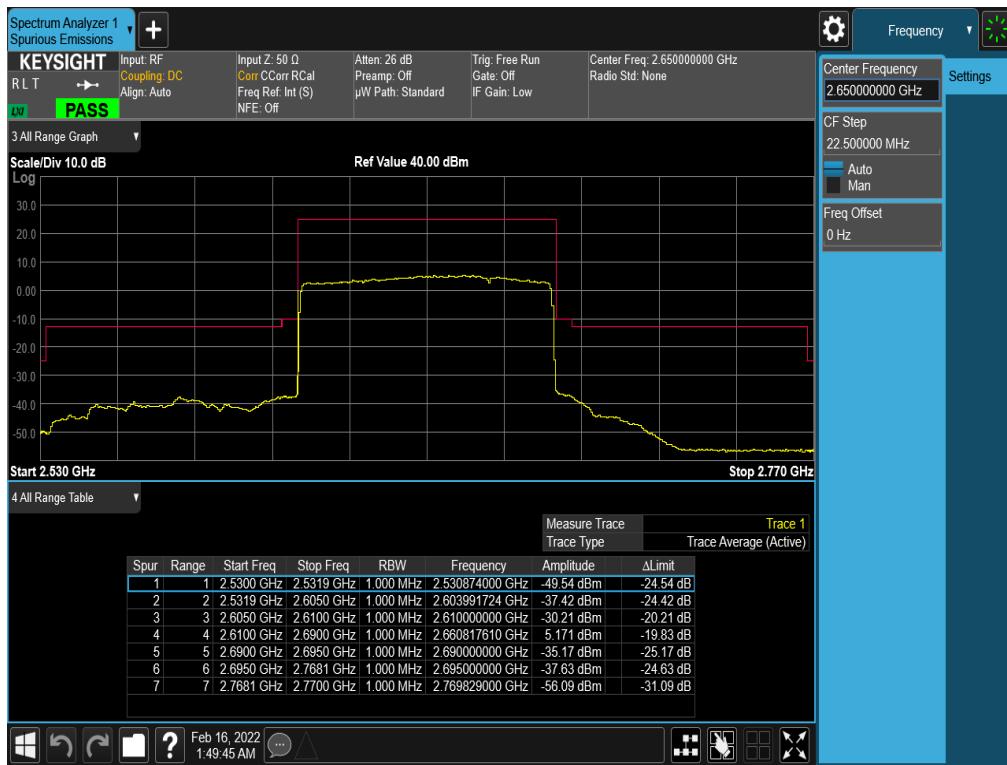
FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			



FCC ID: BCGA2589	PCTEST Proud to be part of 			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

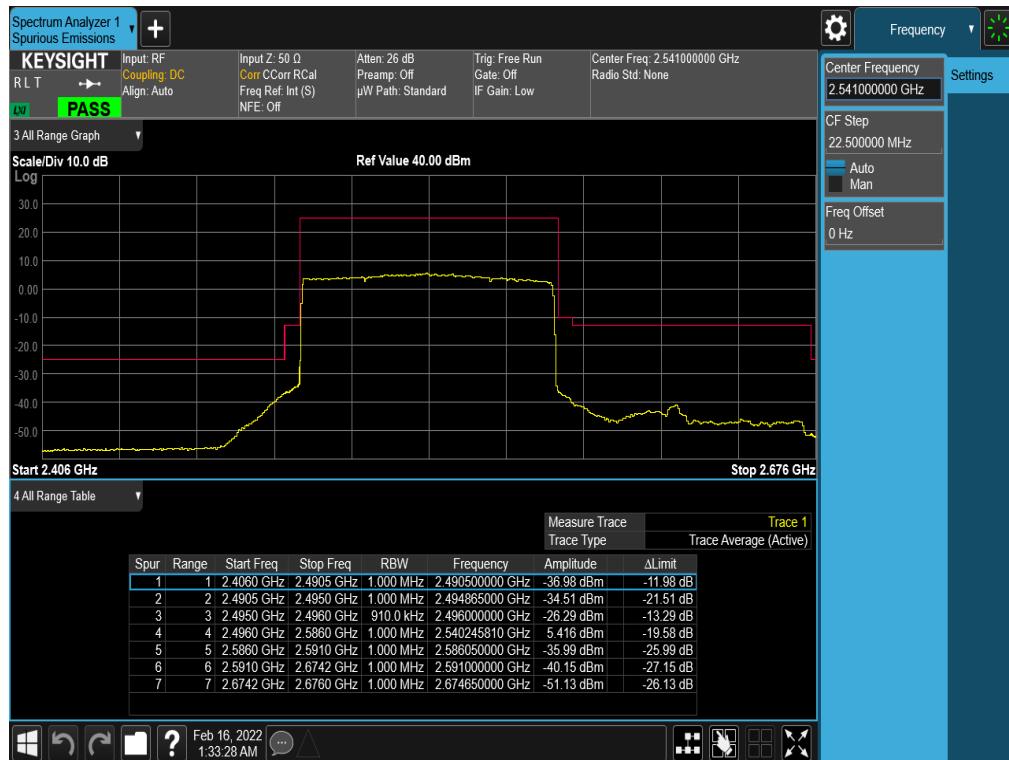


Plot 7-283. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

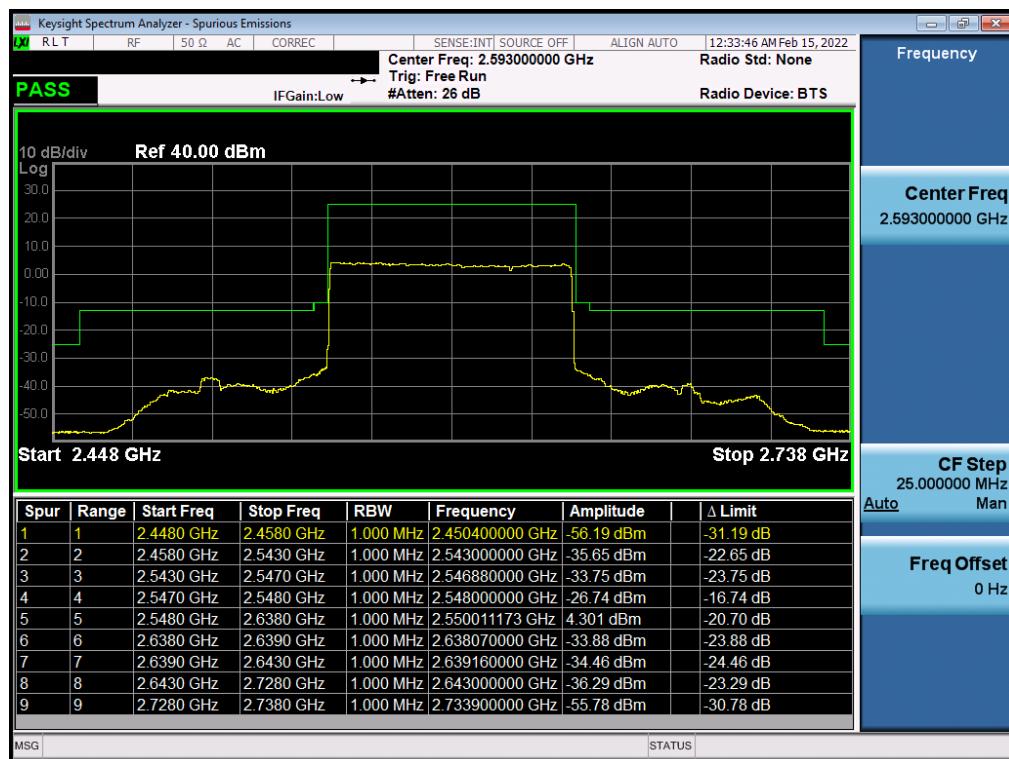


Plot 7-284. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 	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	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			

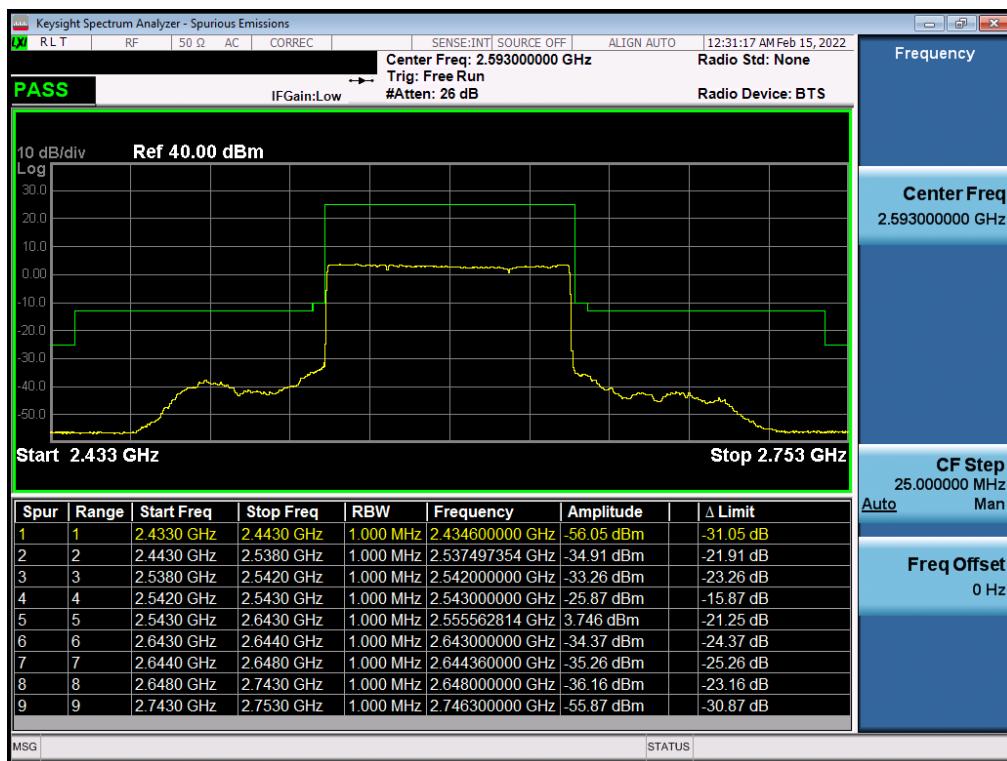


Plot 7-287. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)



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

FCC ID: BCGA2589	PCTEST Proud to be part of 			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



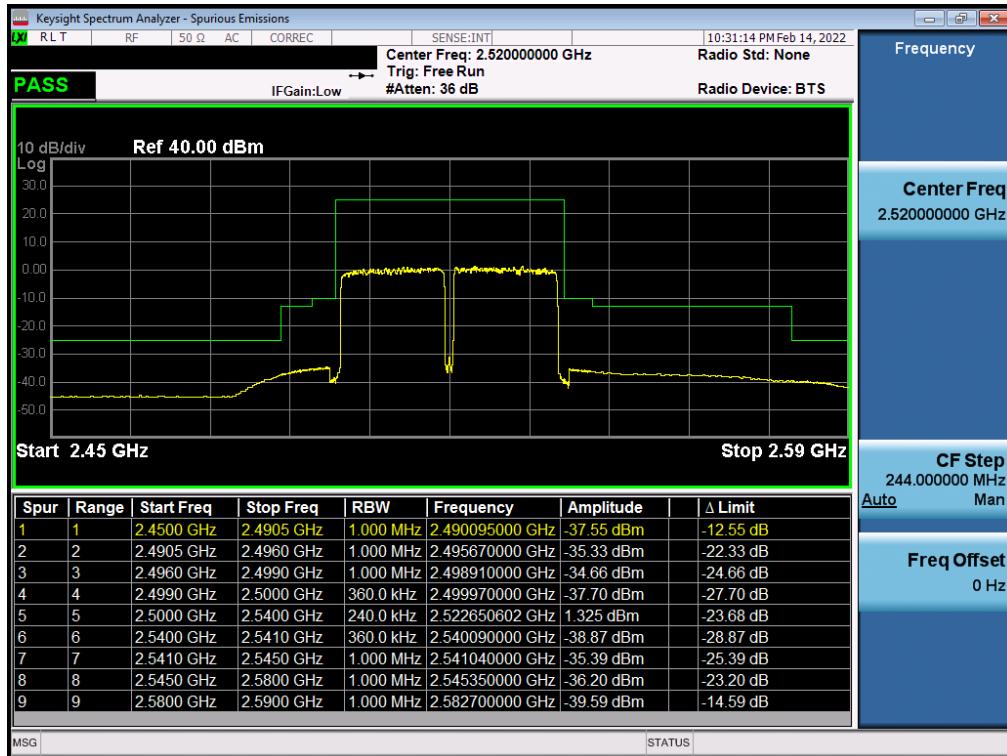
Plot 7-289. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)



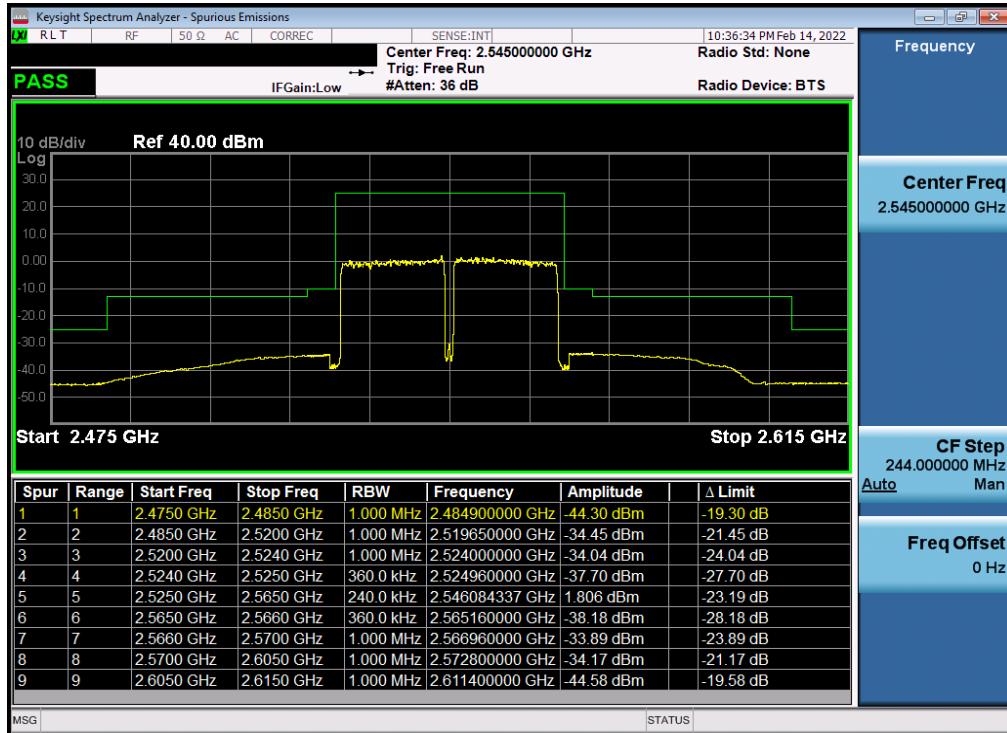
Plot 7-290. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C211150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			Page 170 of 266

ULCA - LTE Band 7

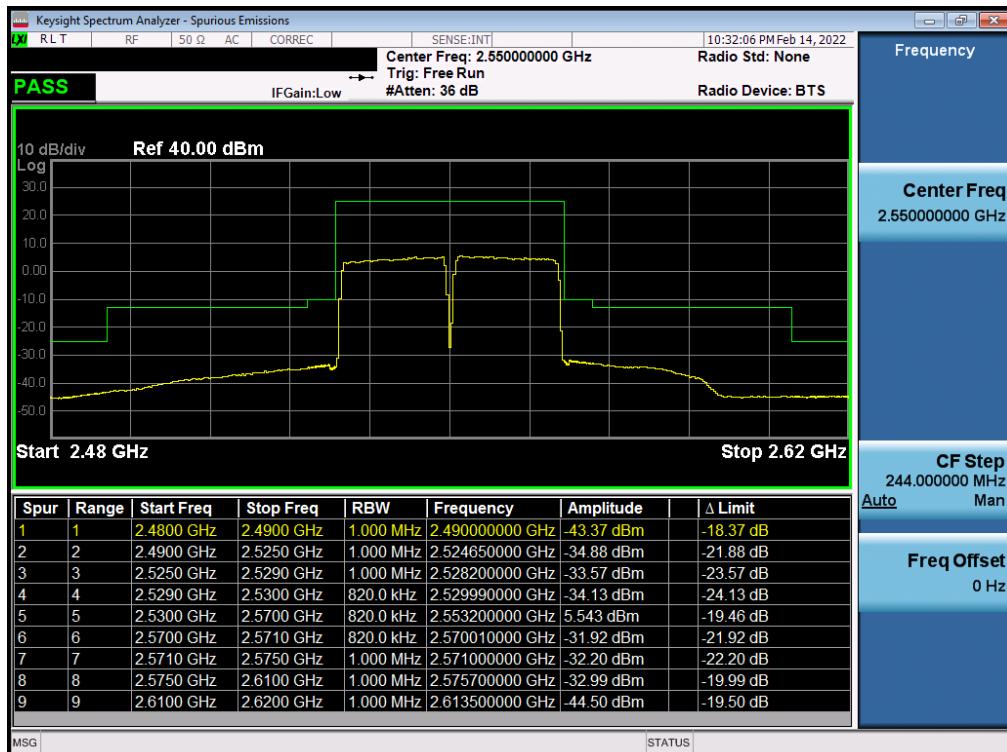


Plot 7-291. Lower ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)



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

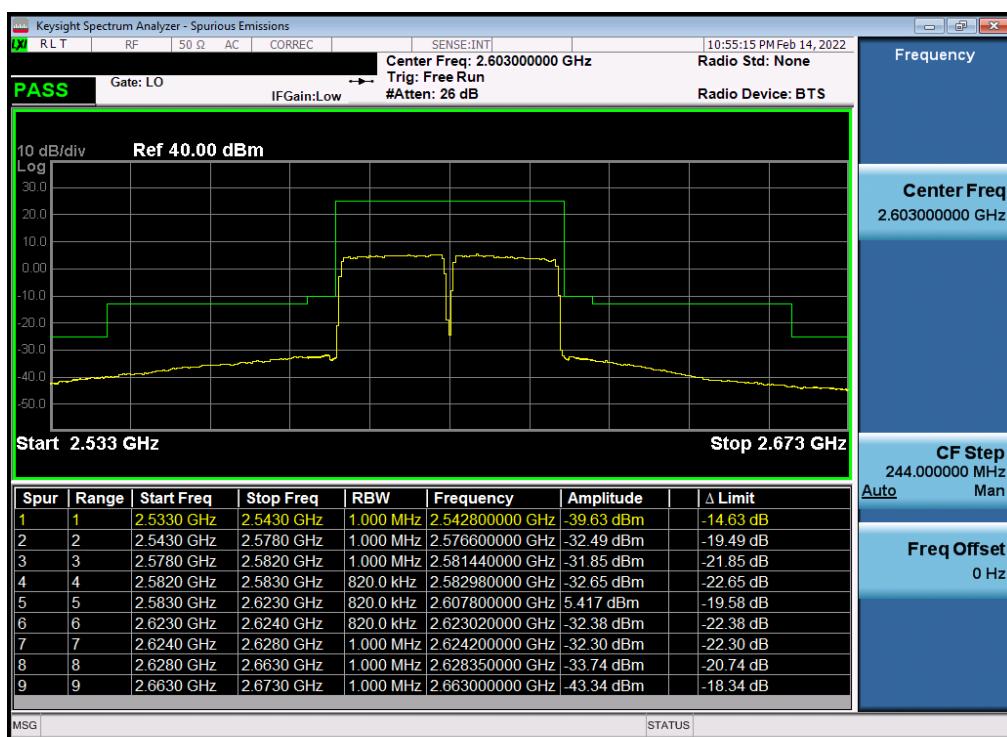
FCC ID: BCGA2589	 PCTEST® Proud to be part of 	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2111150079-04-R1.BCG	Test Dates: 12/2/2021 - 2/16/2022	EUT Type: Tablet Device			



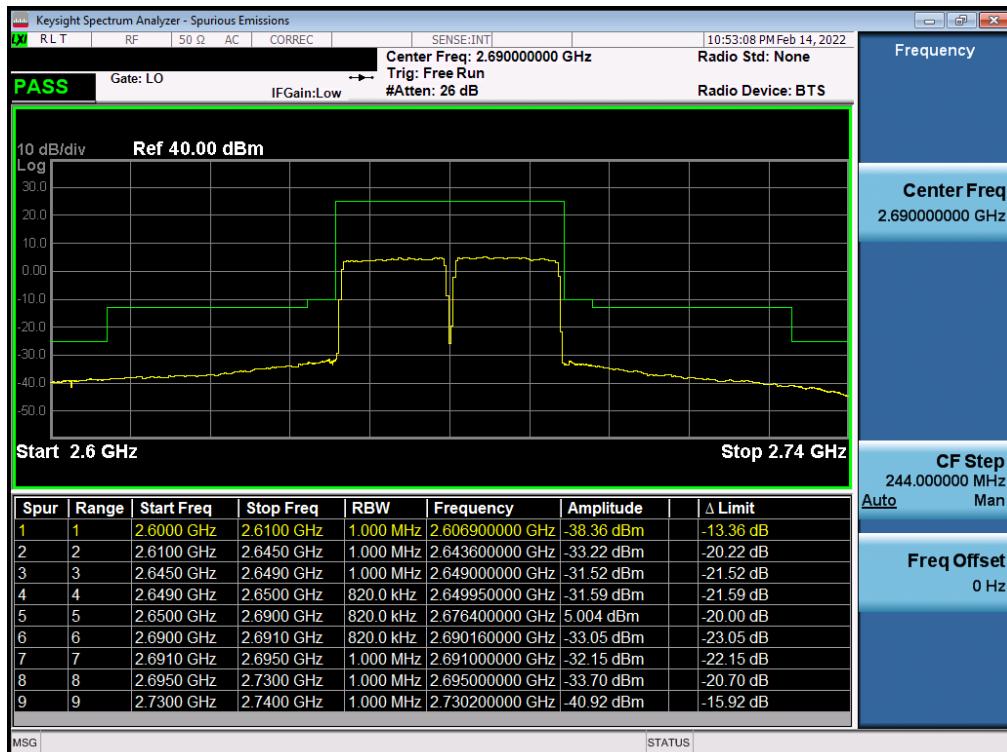
Plot 7-293. Upper ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			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			

ULCA - LTE Band 41



FCC ID: BCGA2589	 PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C211150079-04-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	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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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:

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

Where:

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

PMes = 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.

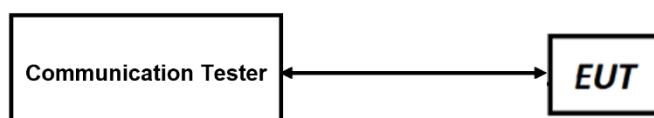


Figure 7-4. EIRP Measurement Setup

FCC ID: BCGA2589	 PCTEST [®] Proud to be part of 		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 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	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	23.00	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	23.00	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	PCTEST® <small>Proud to be part of element</small>			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			