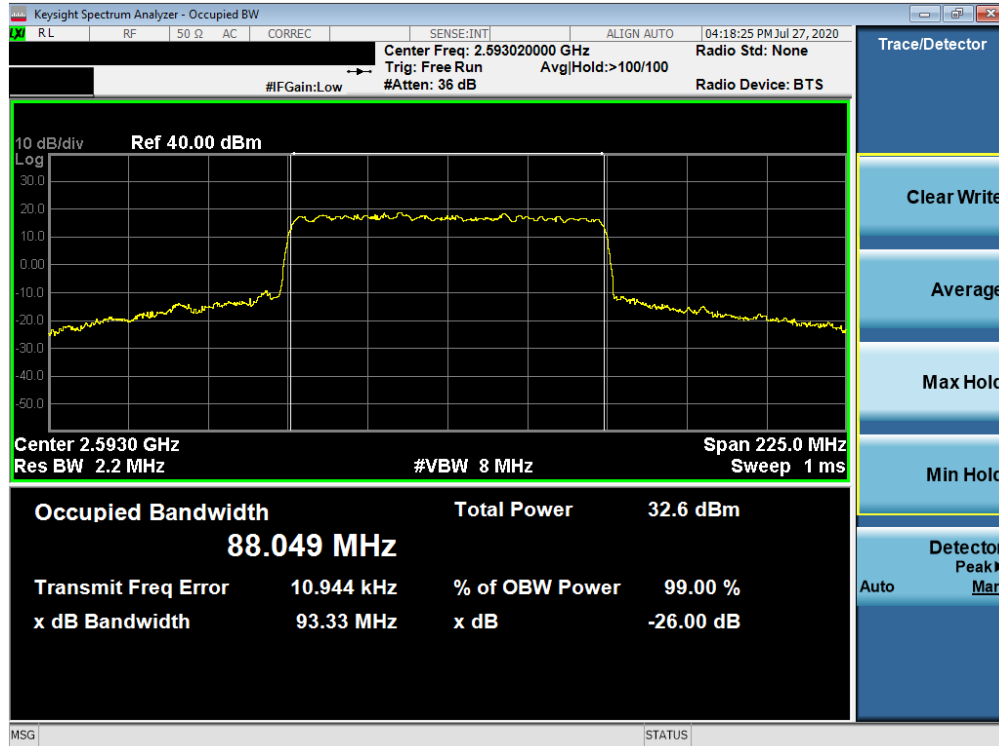
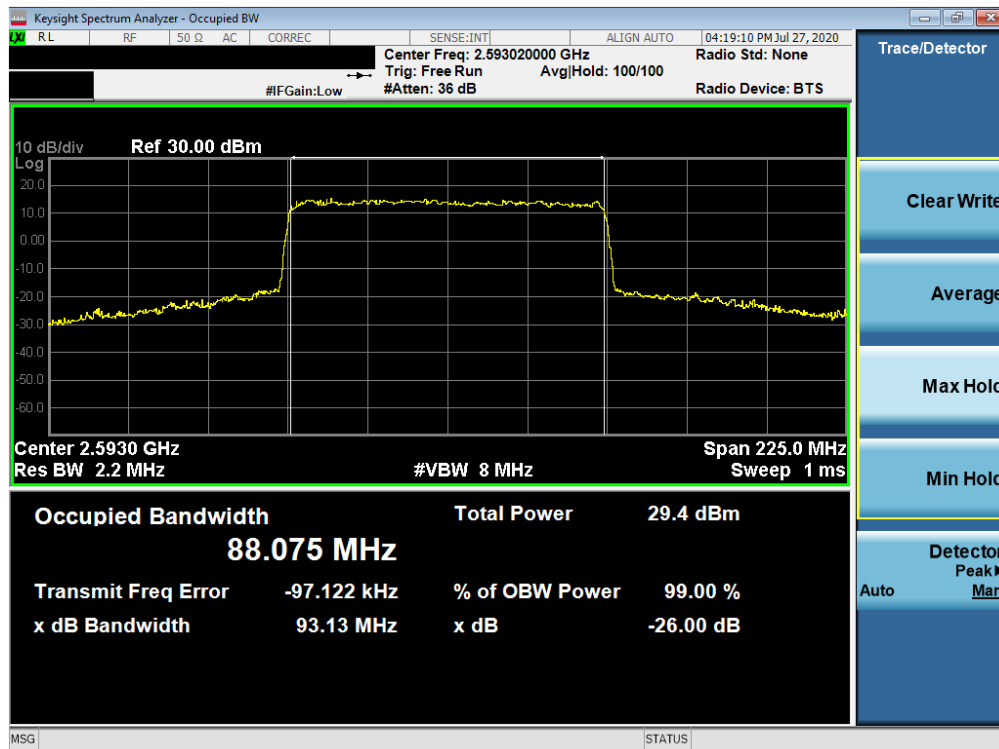


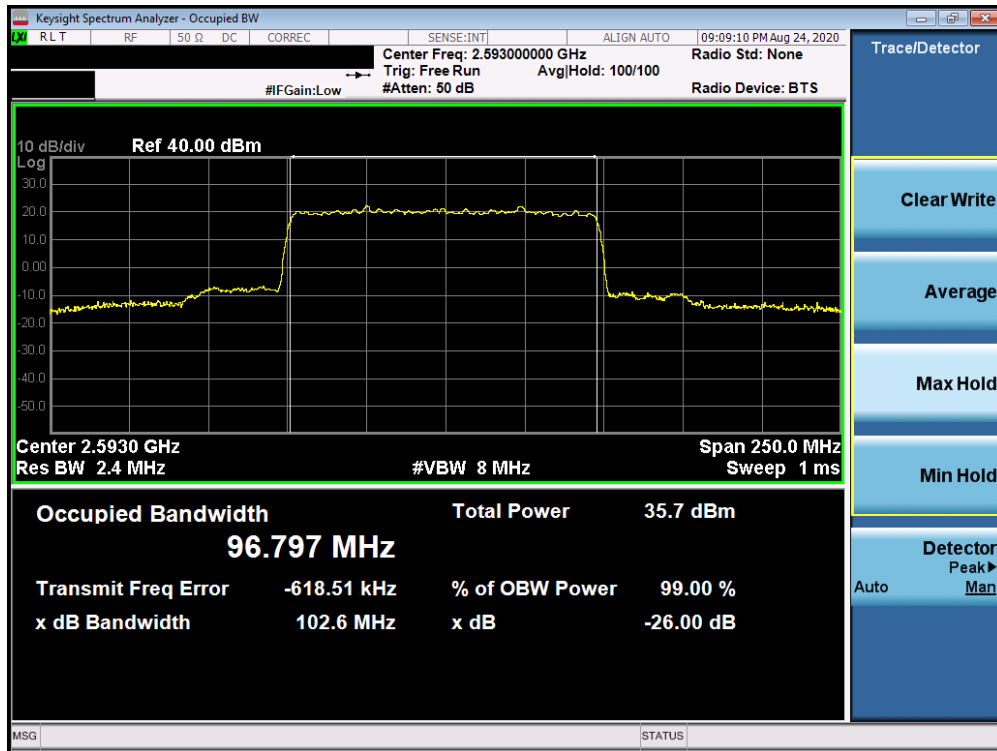


Plot 7-202. Occupied Bandwidth Plot (NR Band n41 - 90MHz CP-OFDM 64-QAM - Full RB)

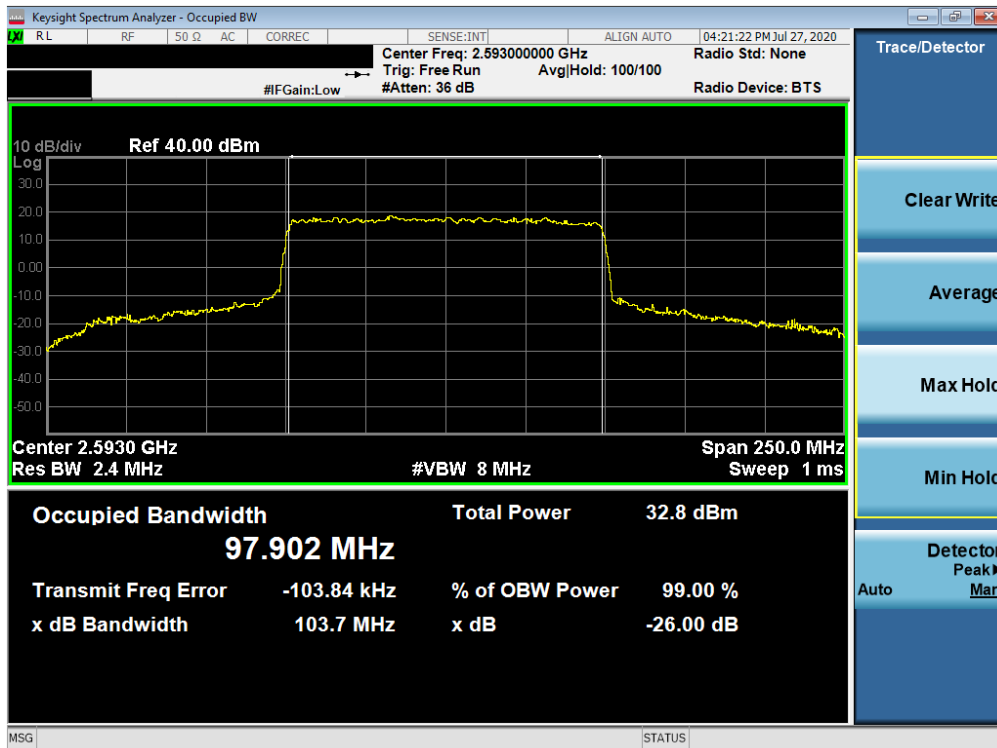


Plot 7-203. Occupied Bandwidth Plot (NR Band n41 - 90MHz CP-OFDM 256-QAM - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 119 of 386

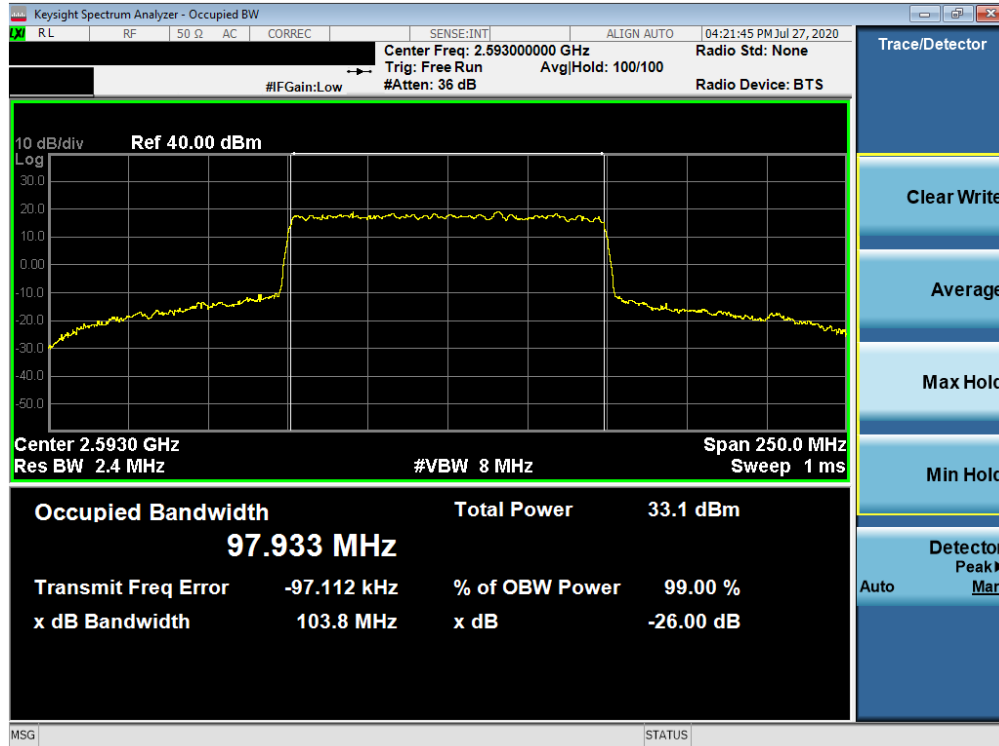


Plot 7-204. Occupied Bandwidth Plot (NR Band n41 - 100MHz DFT-s-OFDM BPSK - Full RB)

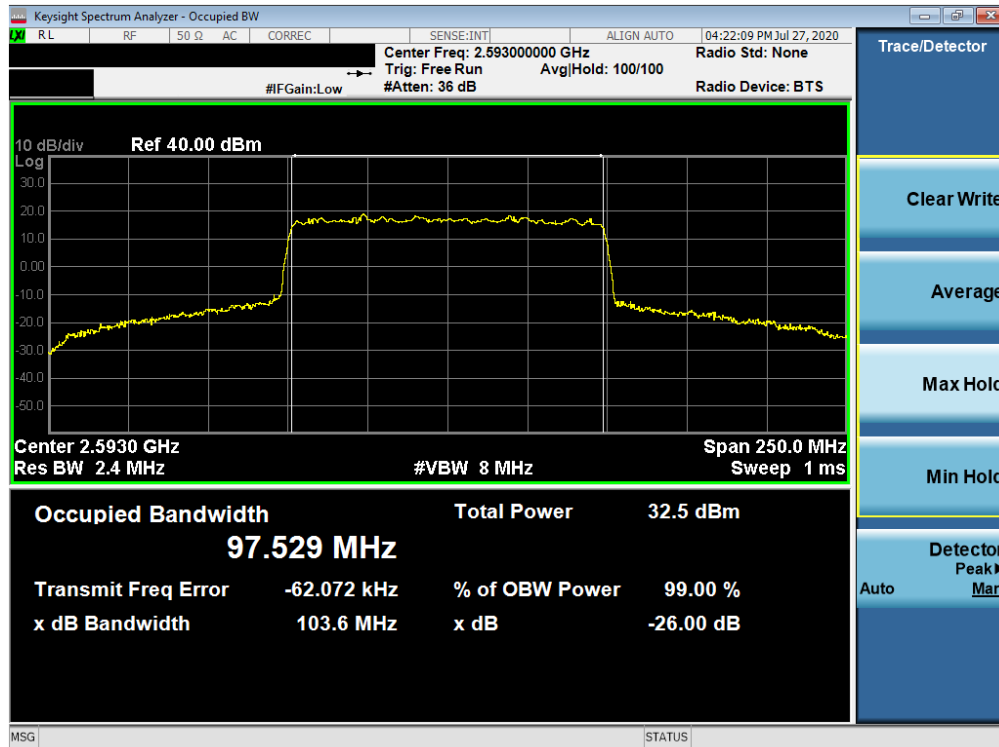


Plot 7-205. Occupied Bandwidth Plot (NR Band n41 - 100MHz CP-OFDM QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 120 of 386

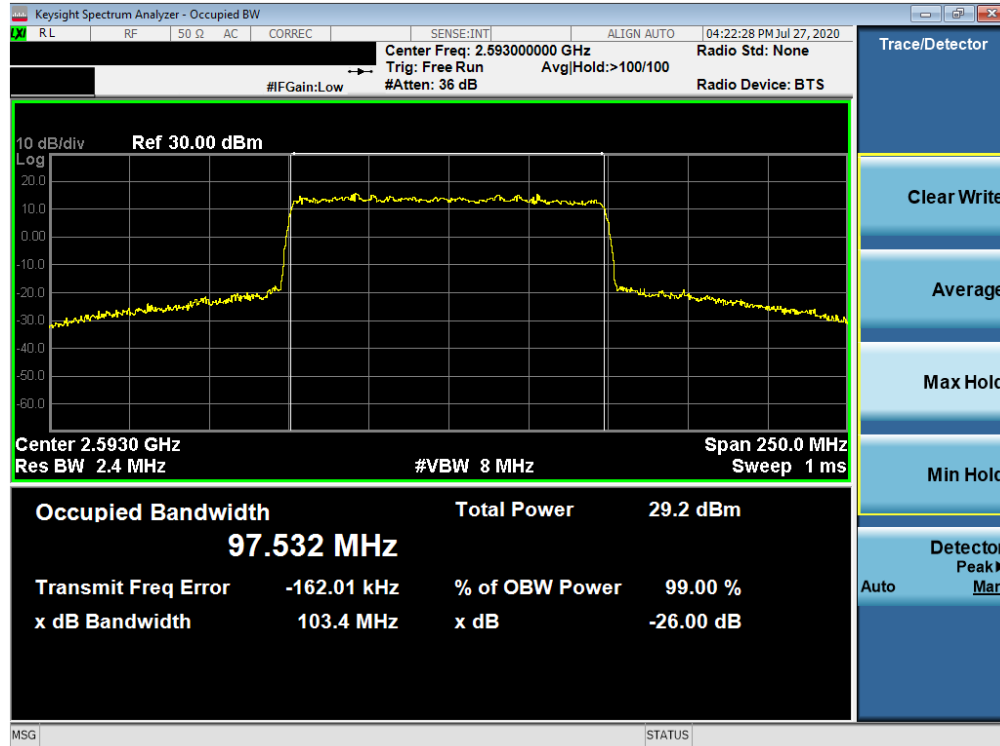


Plot 7-206. Occupied Bandwidth Plot (NR Band n41 - 100MHz CP-OFDM 16-QAM - Full RB)



Plot 7-207. Occupied Bandwidth Plot (NR Band n41 - 100MHz CP-OFDM 64-QAM - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 121 of 386



Plot 7-208. Occupied Bandwidth Plot (NR Band n41 - 100MHz CP-OFDM 256-QAM - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 122 of 386

7.3 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to at least 10 * the fundamental frequency (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

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

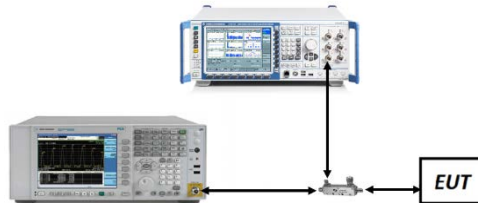


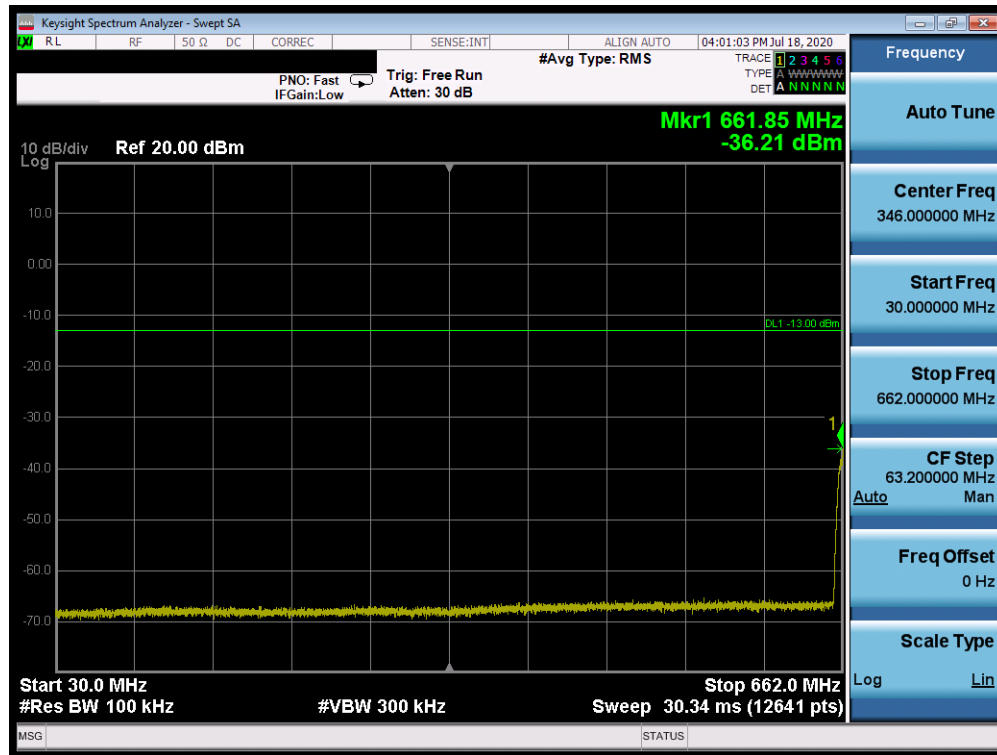
Figure 7-2. Test Instrument & Measurement Setup

Test Notes

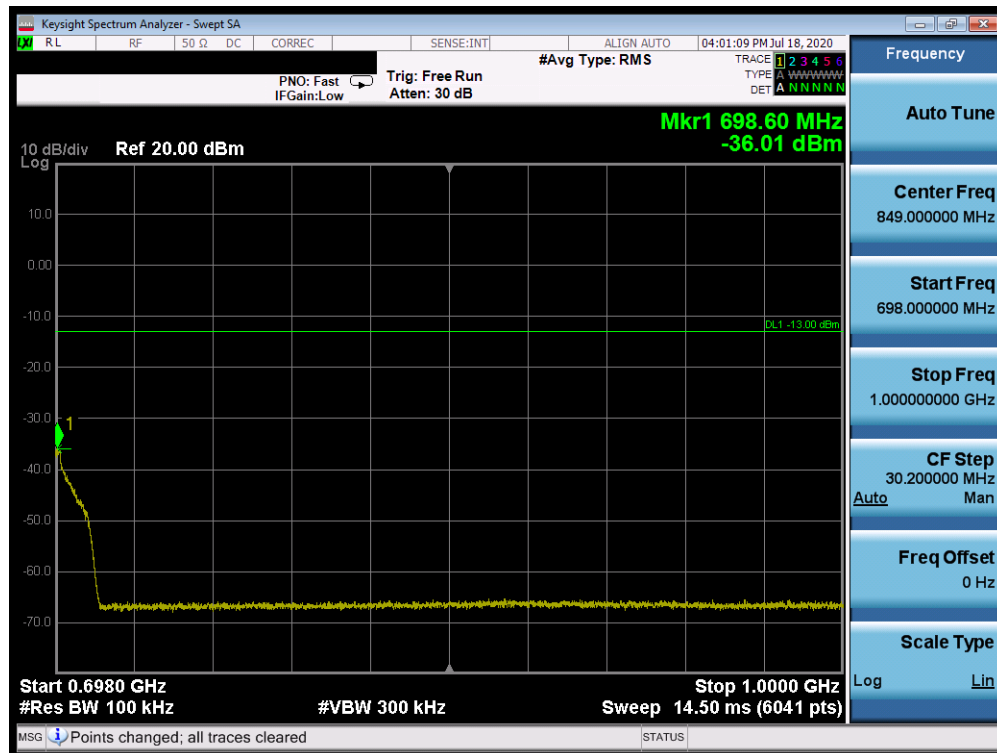
Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 123 of 386

Band 71

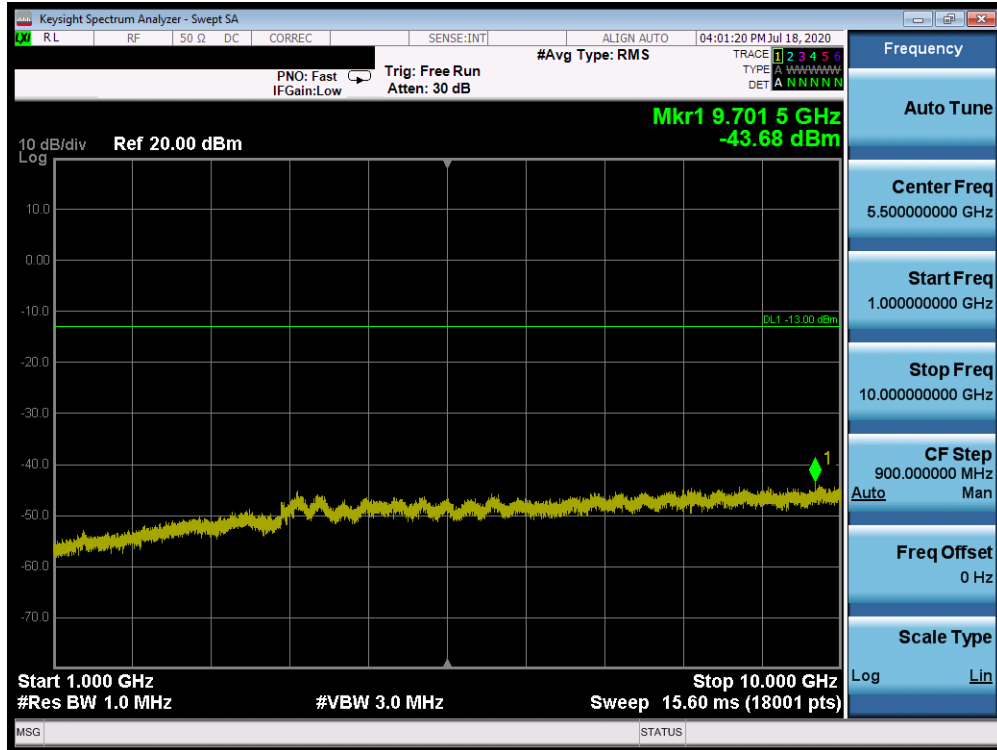


Plot 7-209. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

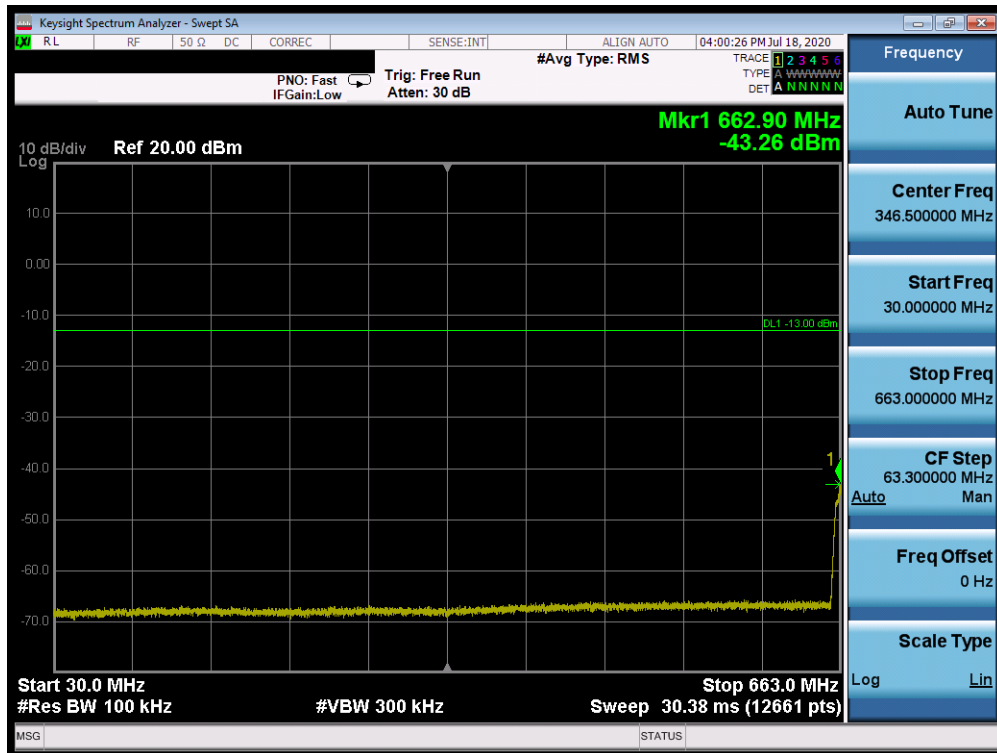


Plot 7-210. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 124 of 386

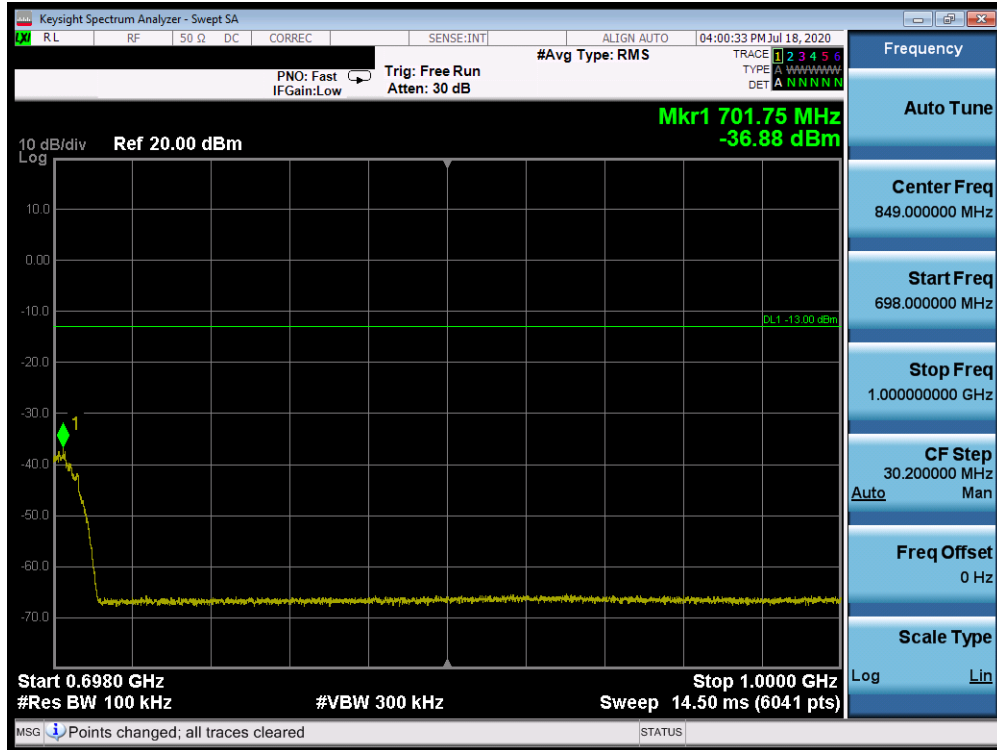


Plot 7-211. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

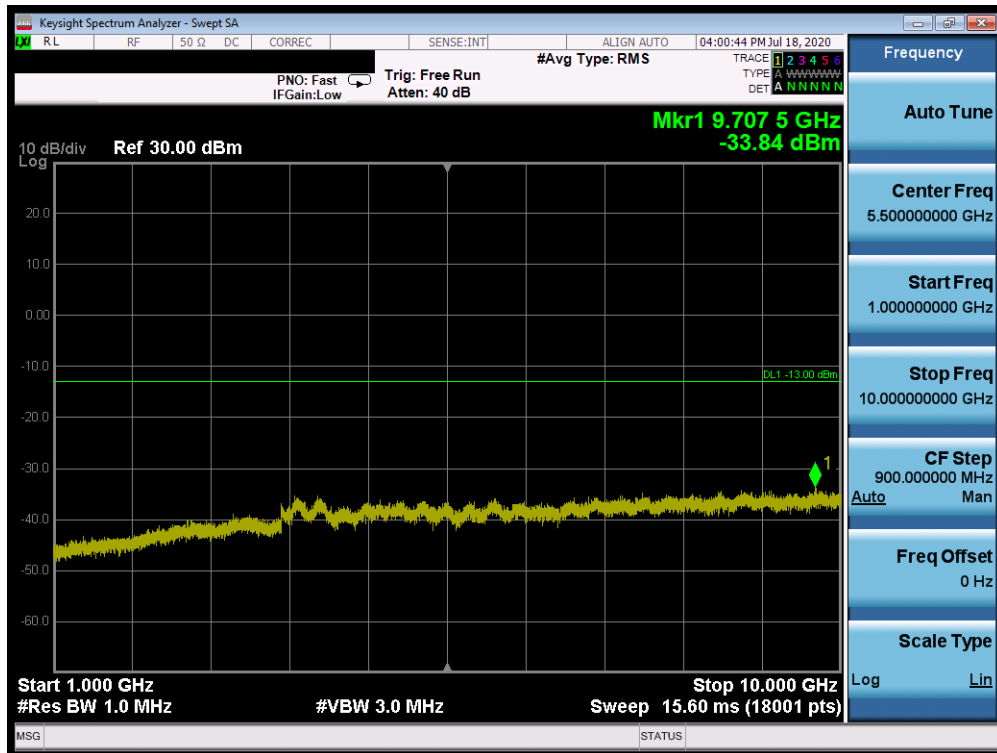


Plot 7-212. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 125 of 386

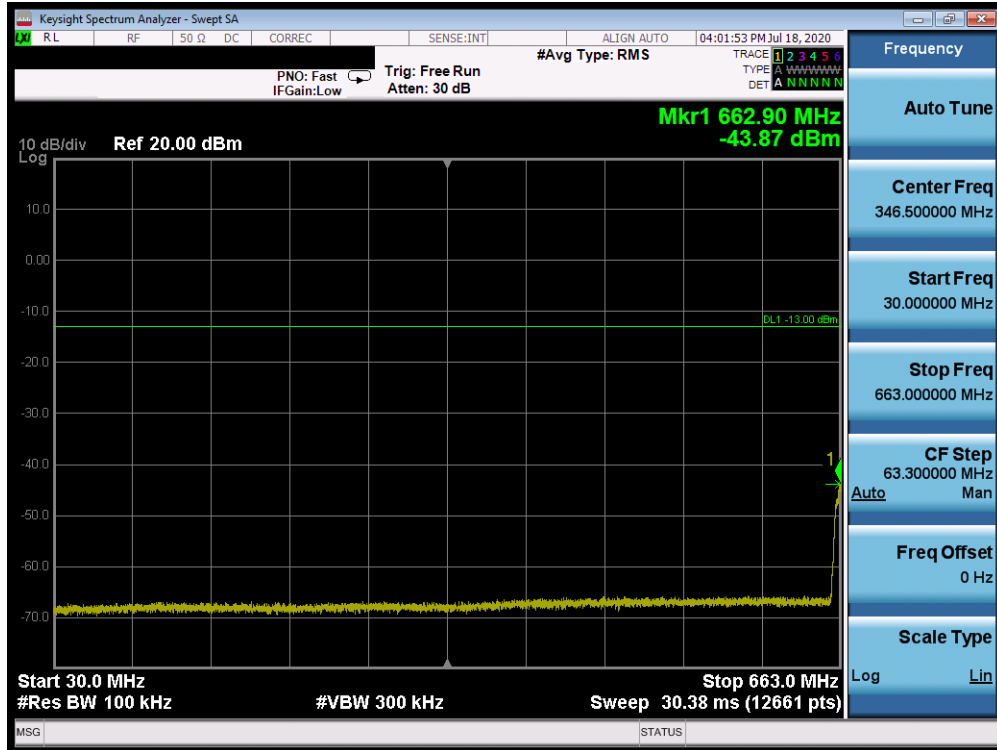


Plot 7-213. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

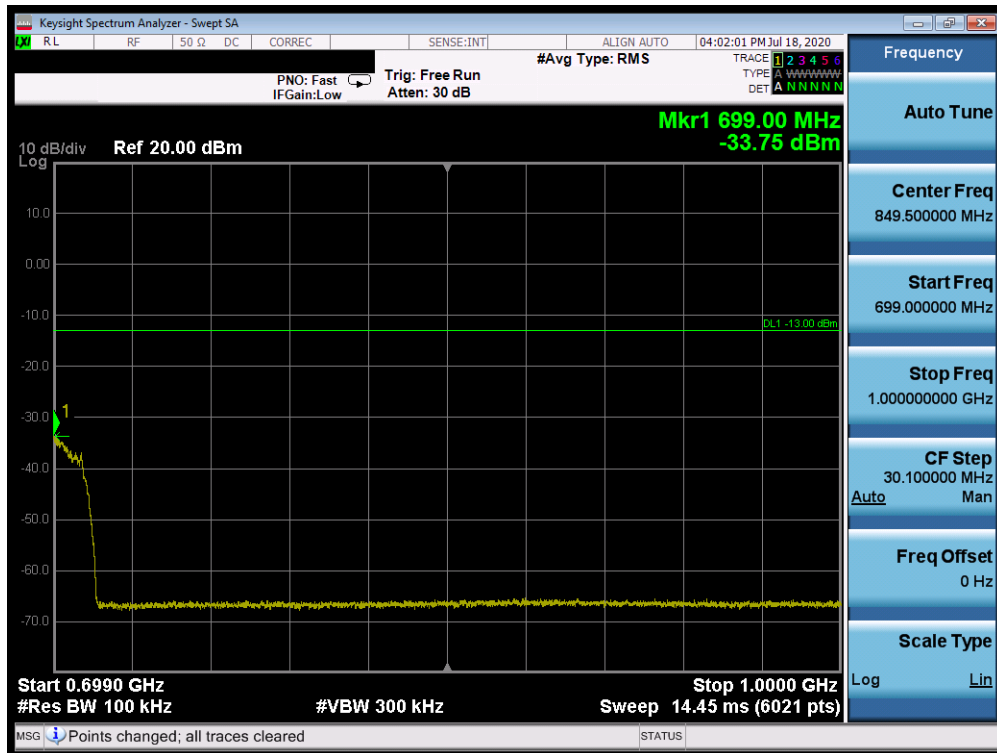


Plot 7-214. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 126 of 386

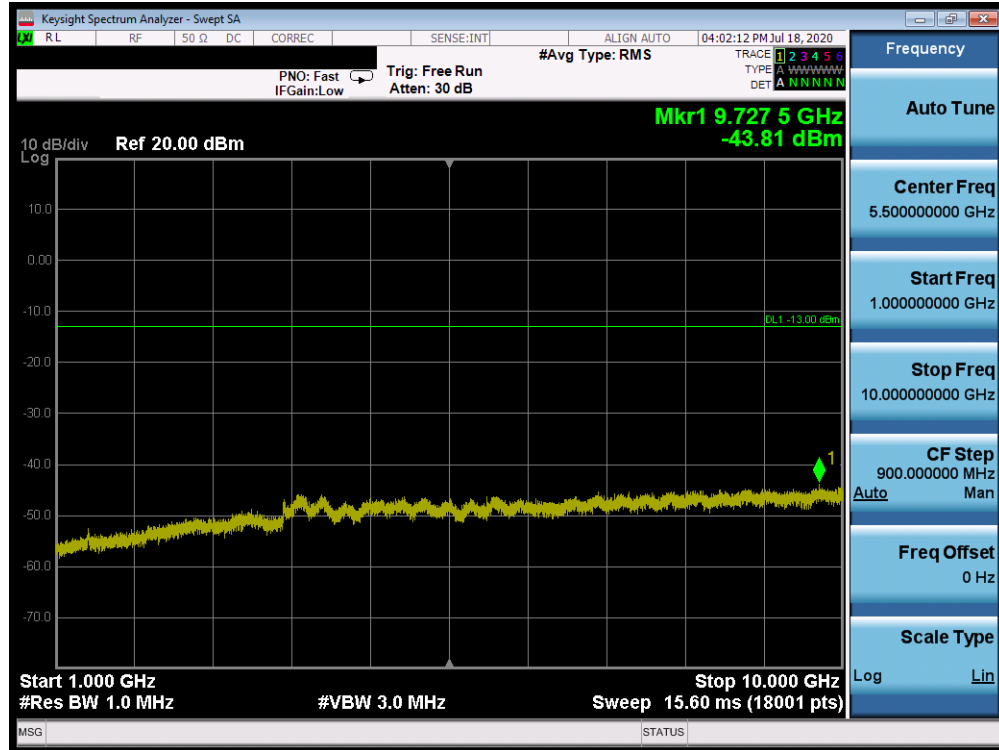


Plot 7-215. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-216. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

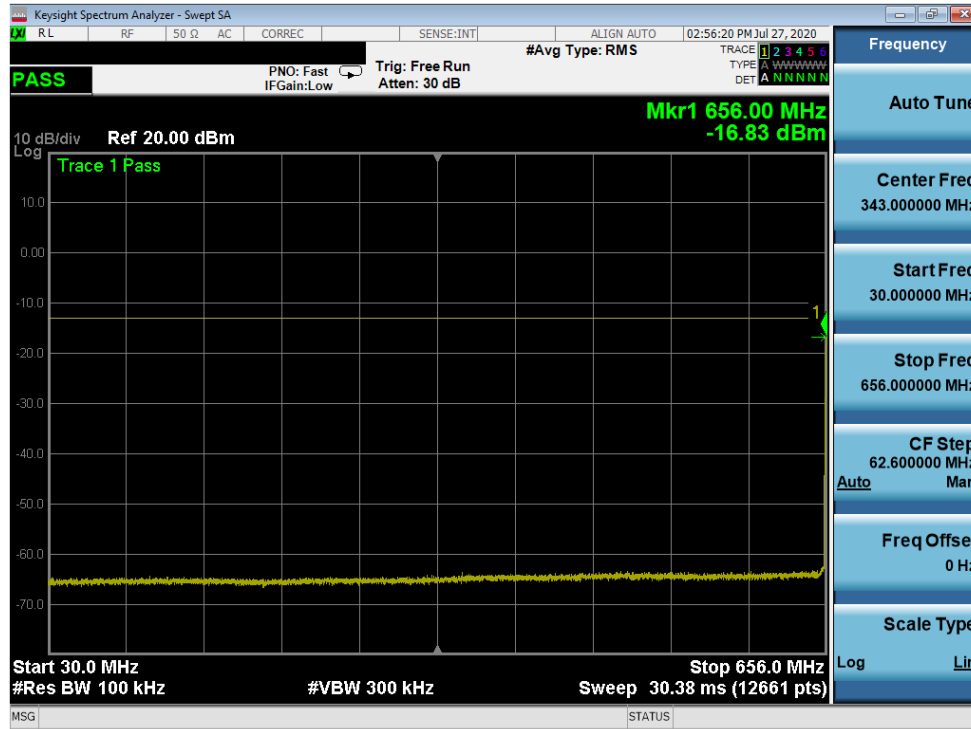
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 127 of 386



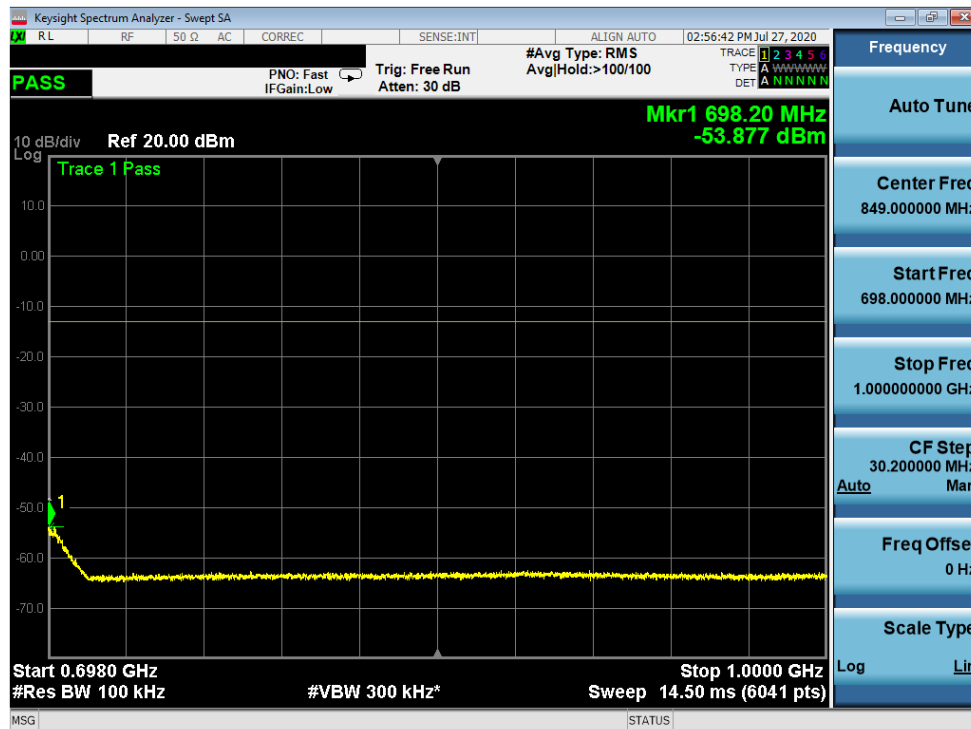
Plot 7-217. Conducted Spurious Plot (Band 71 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 128 of 386

NR Band n71

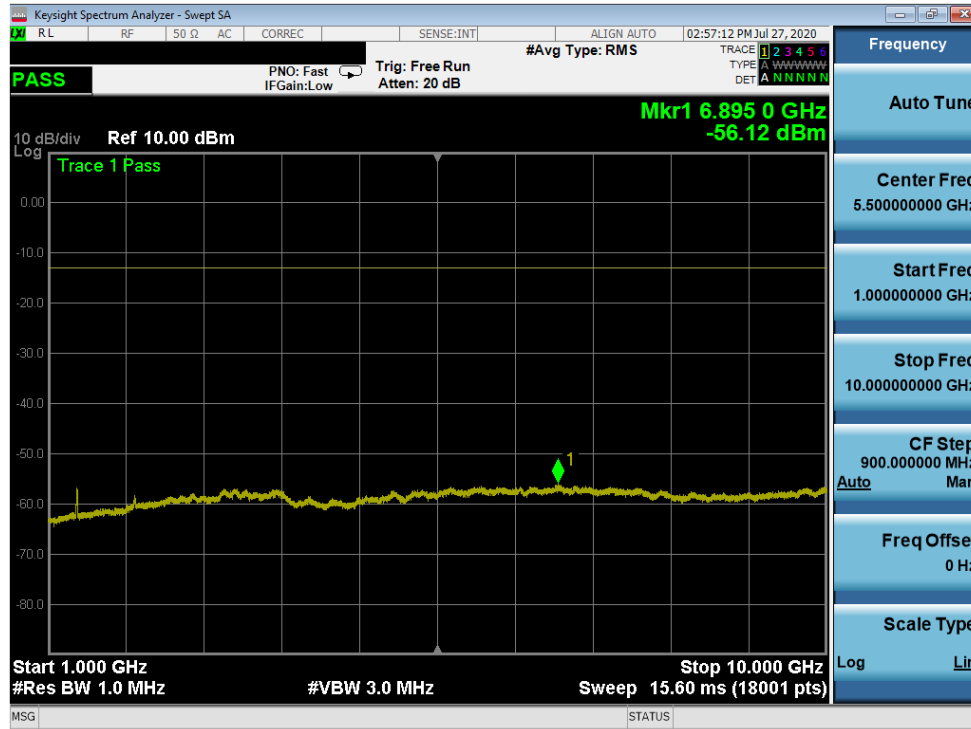


Plot 7-218. Conducted Spurious Plot (NR Band n71 -20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

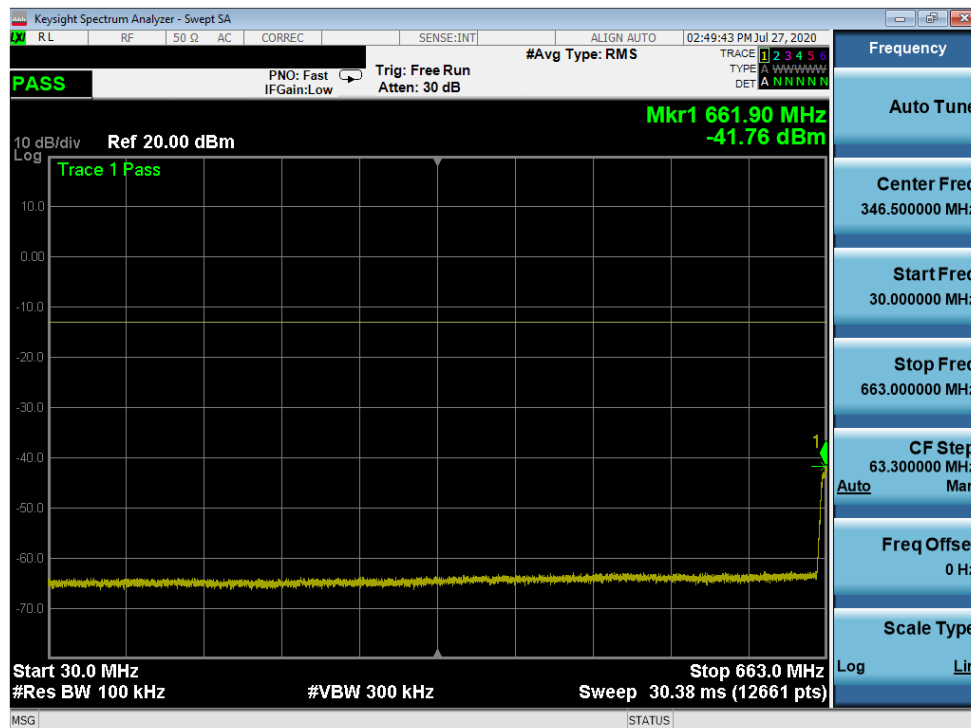


Plot 7-219. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 129 of 386

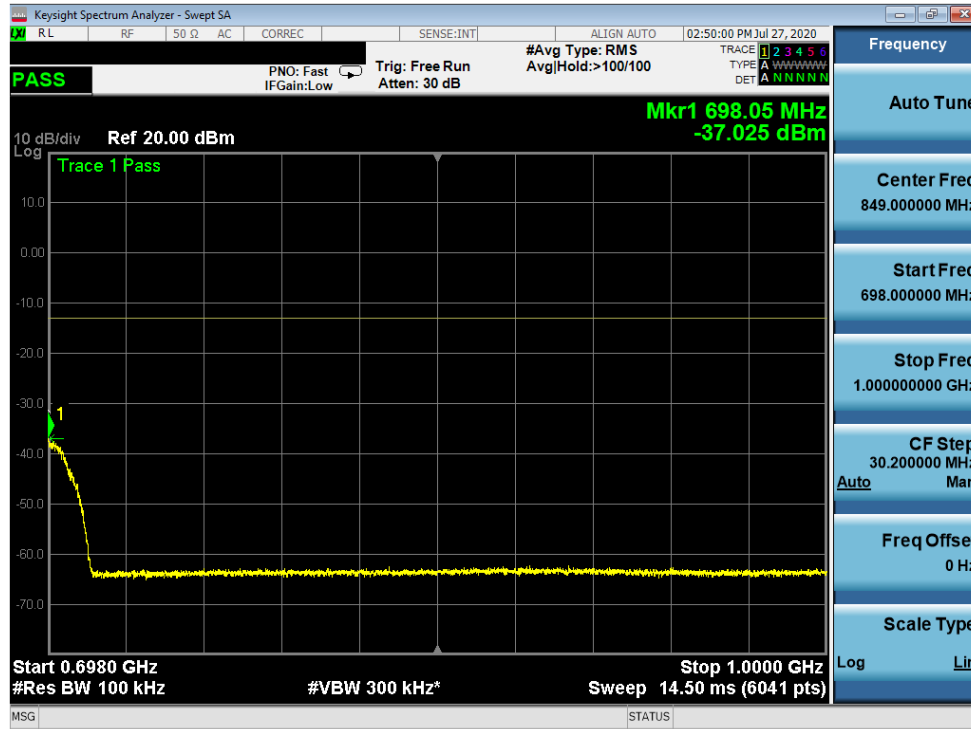


Plot 7-220. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

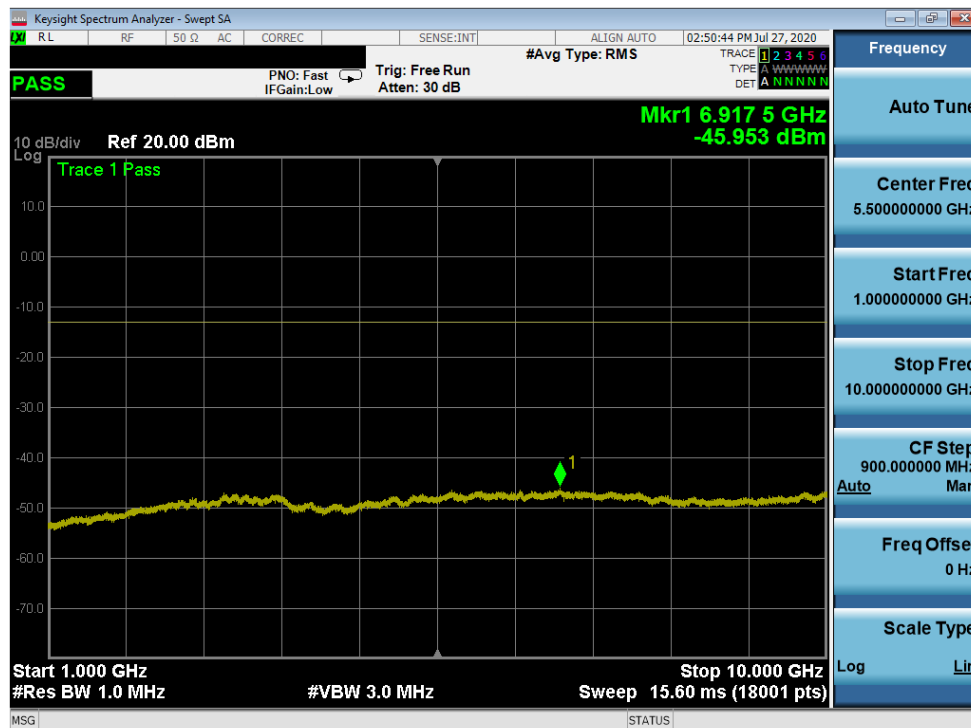


Plot 7-221. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 130 of 386

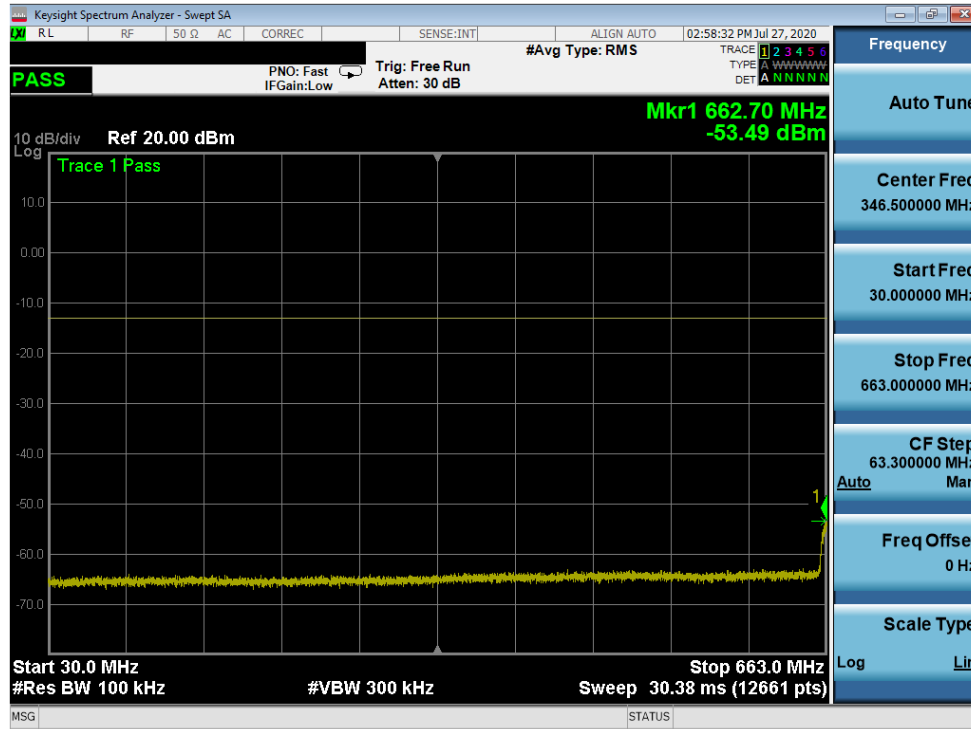


Plot 7-222. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

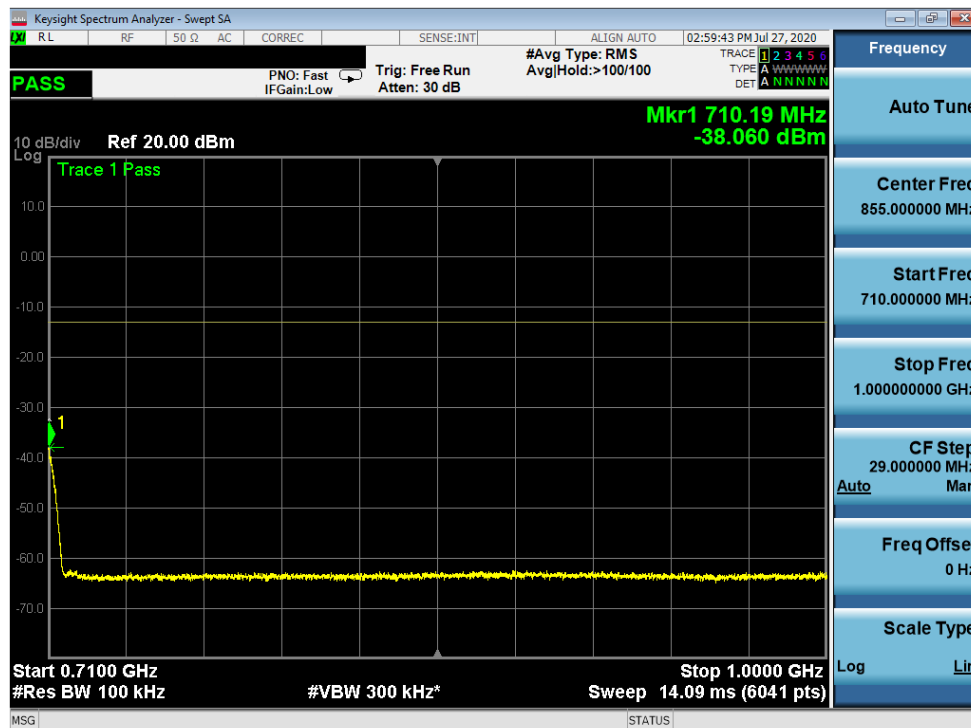


Plot 7-223. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 131 of 386

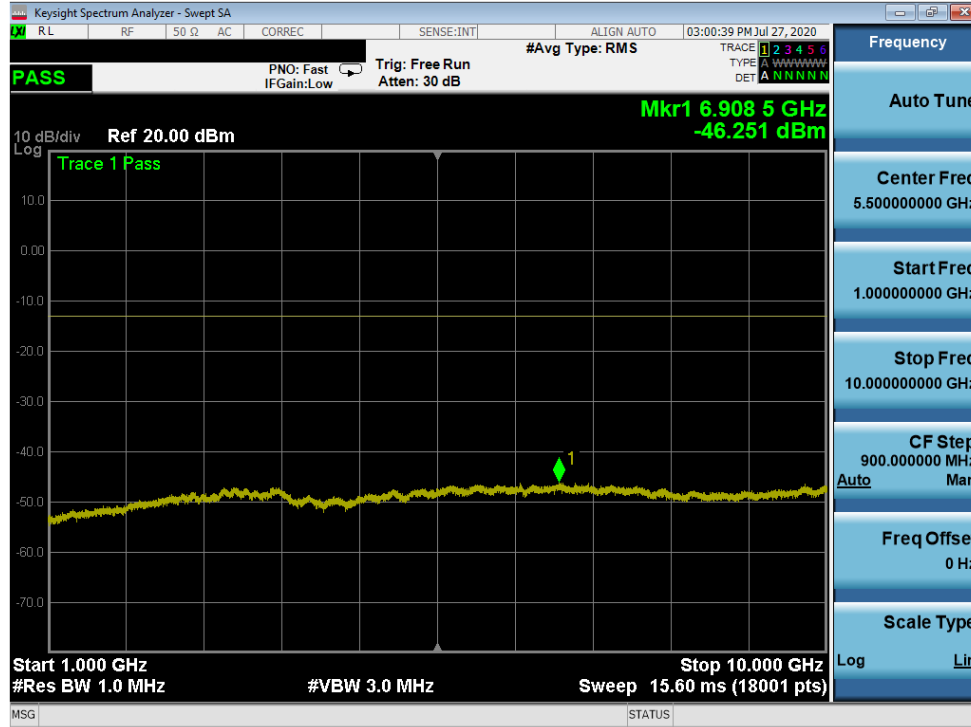


Plot 7-224. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-225. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

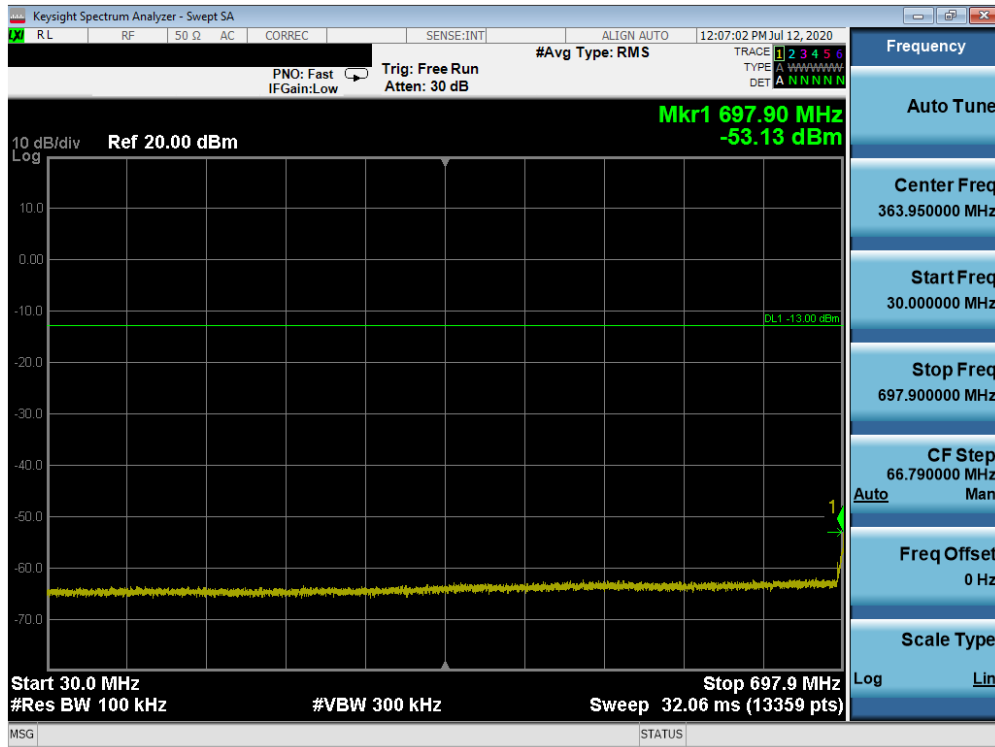
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 132 of 386



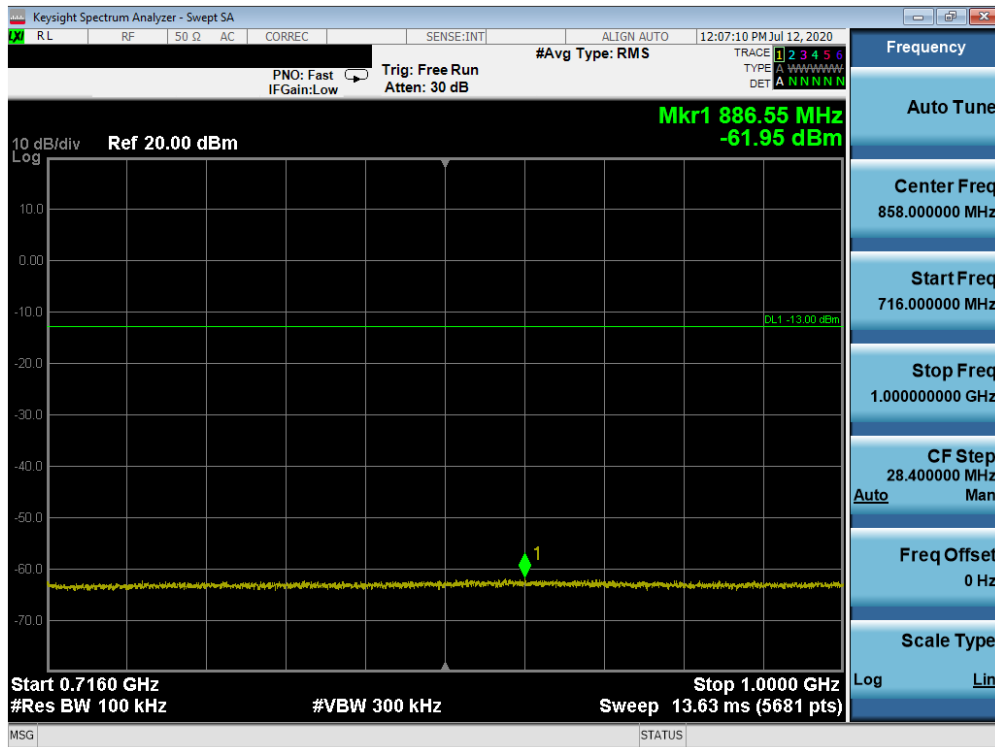
Plot 7-226. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 133 of 386

Band 12/17

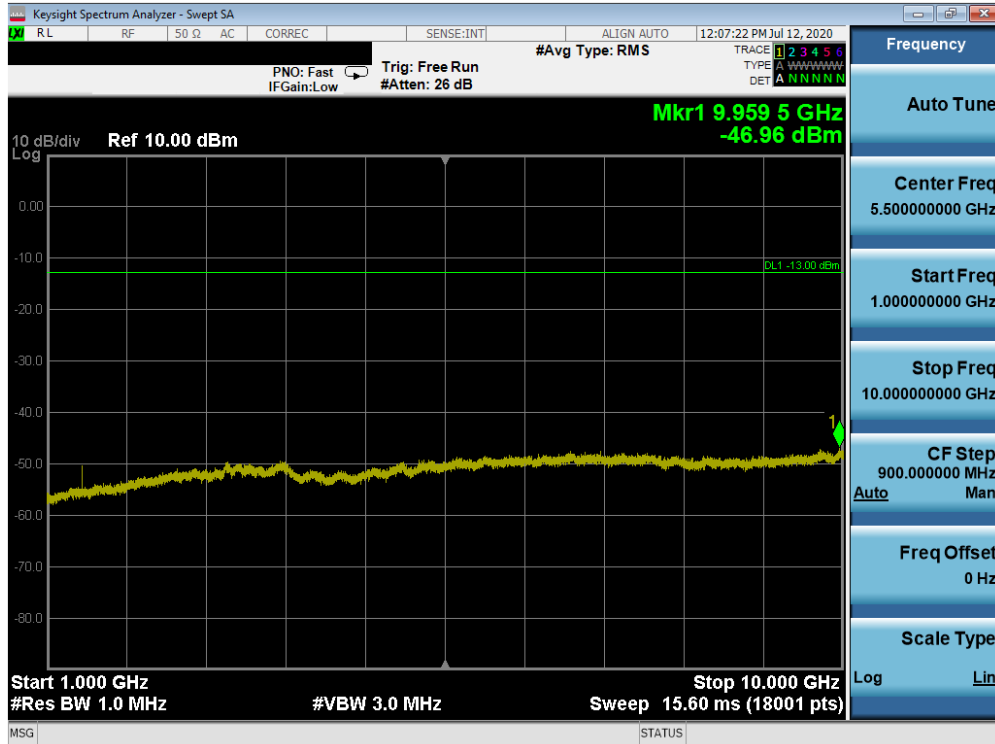


Plot 7-227. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

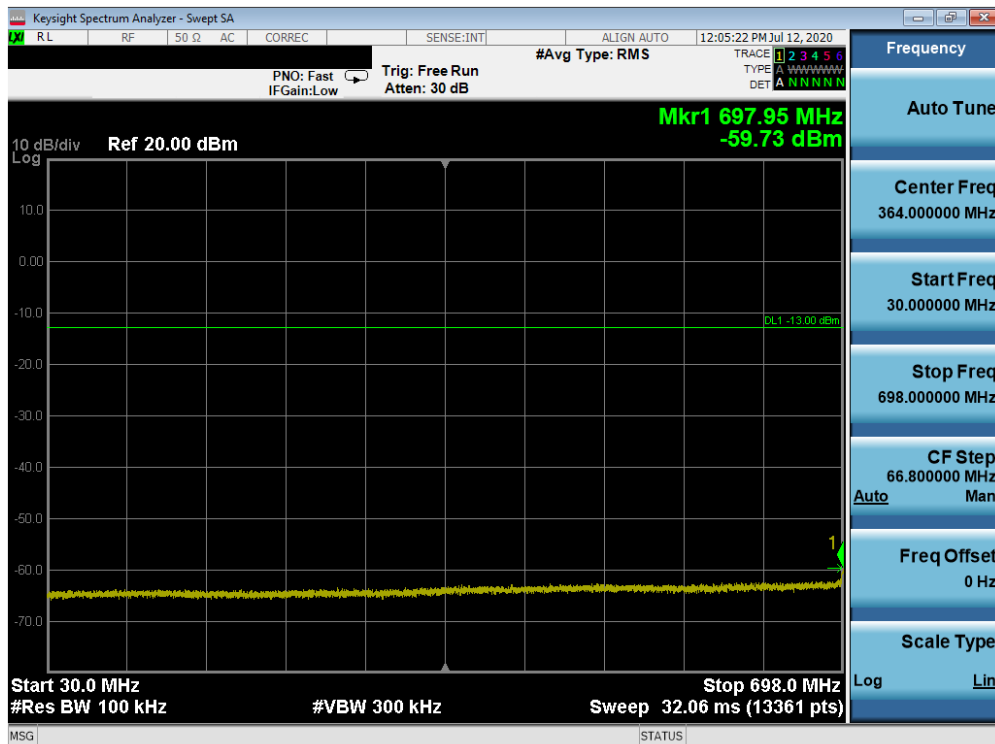


Plot 7-228. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 134 of 386

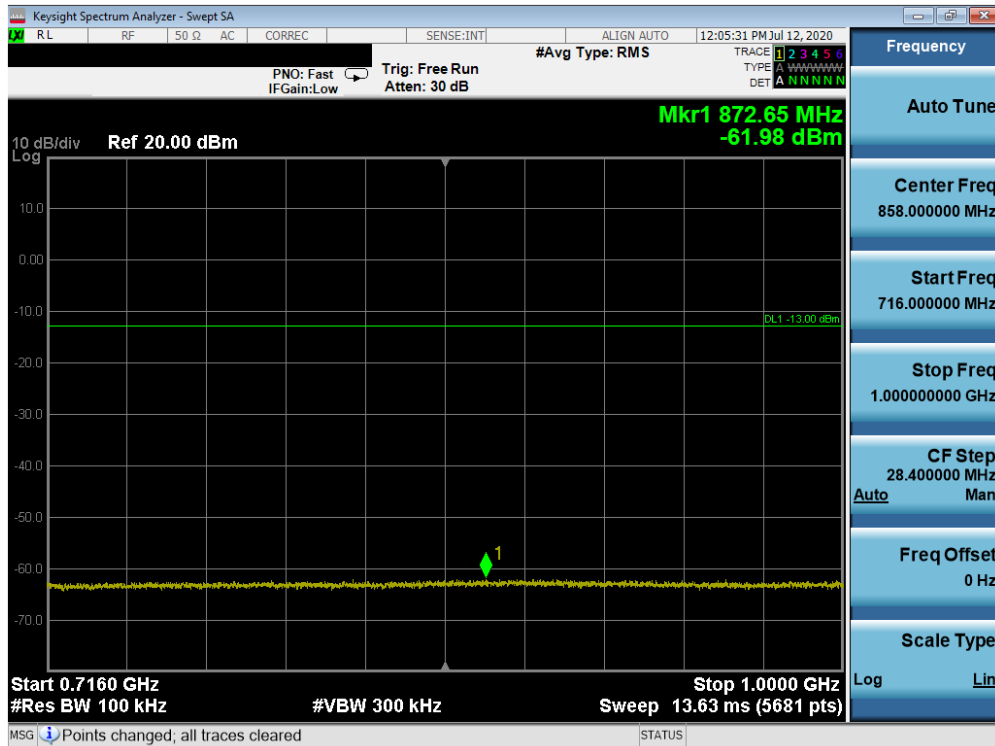


Plot 7-229. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

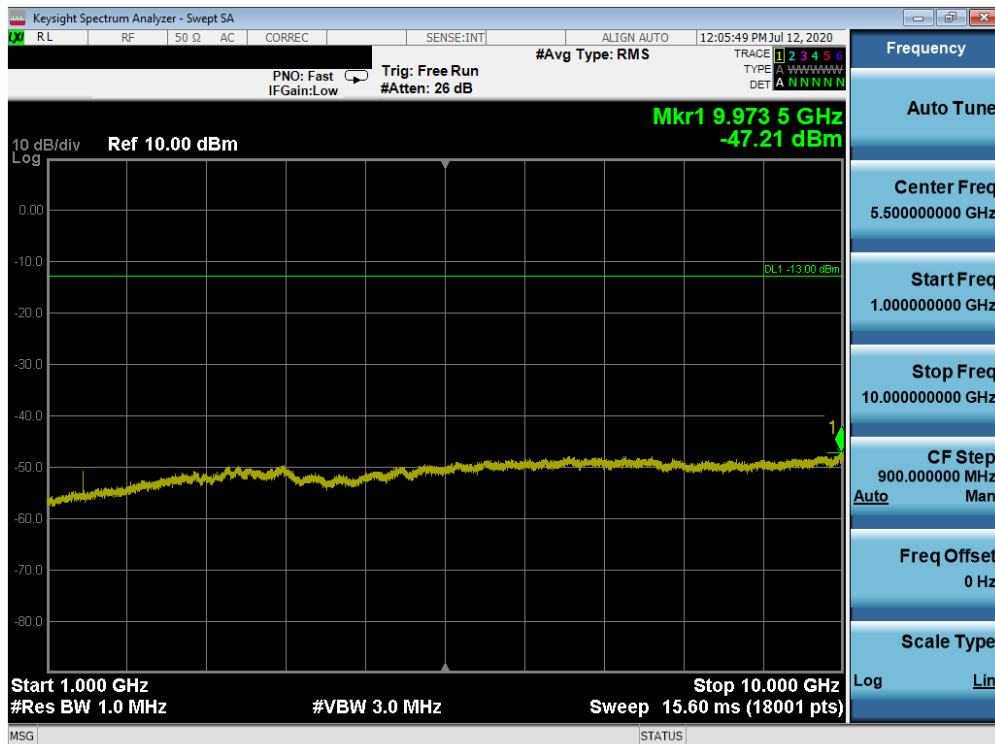


Plot 7-230. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 135 of 386

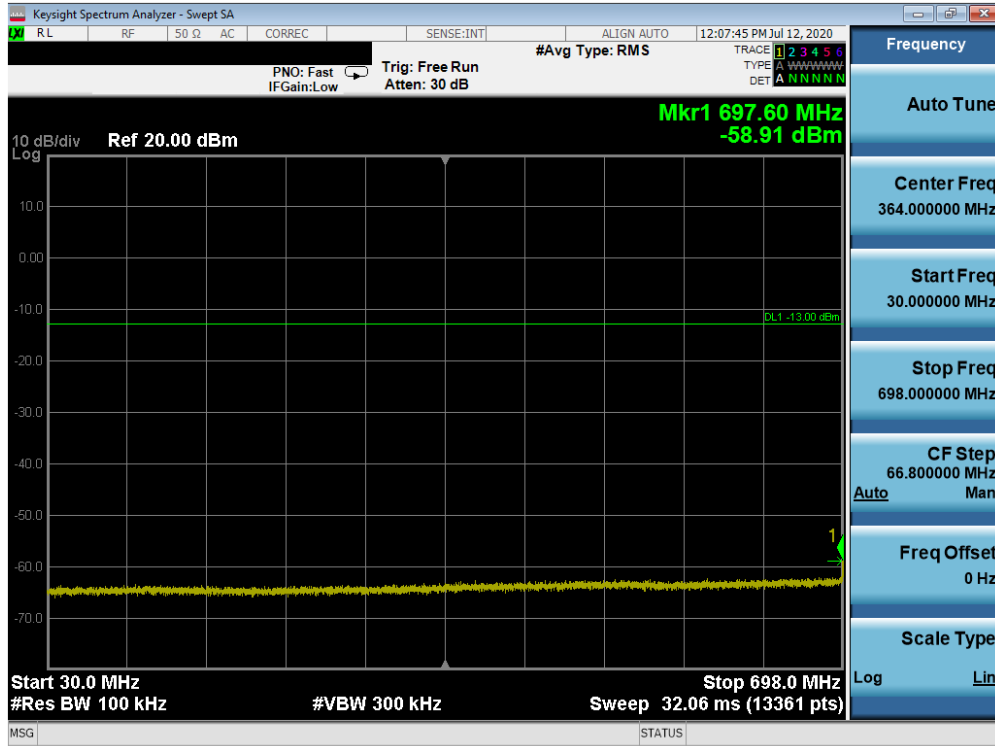


Plot 7-231. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

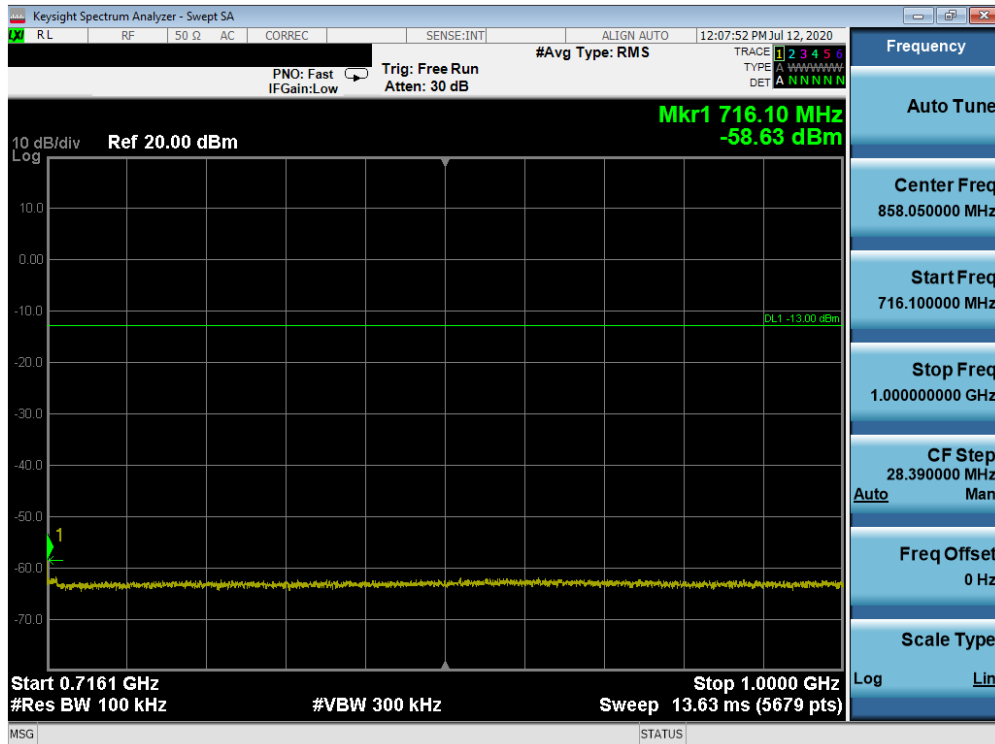


Plot 7-232. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 136 of 386

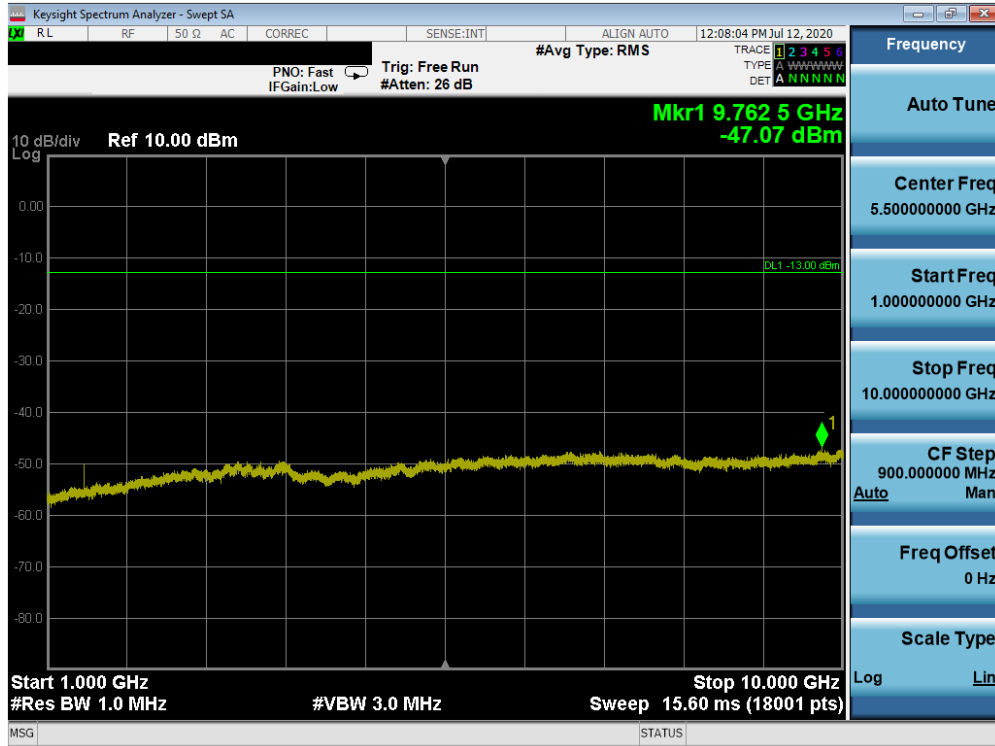


Plot 7-233. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-234. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

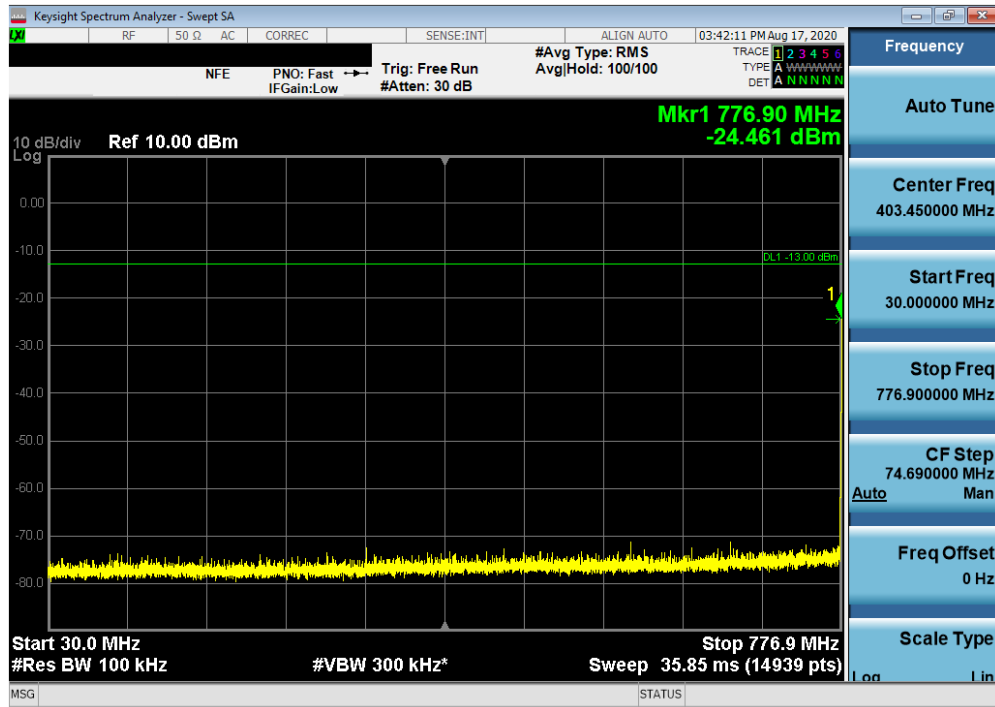
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 137 of 386



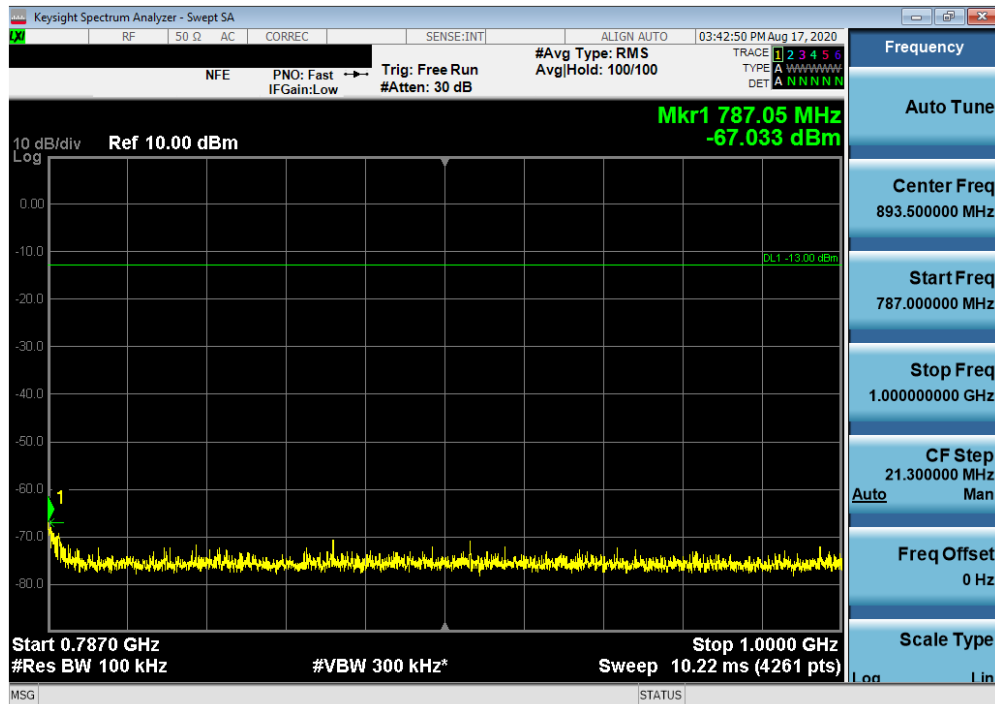
Plot 7-235. Conducted Spurious Plot (Band 12/17 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 138 of 386

Band 13

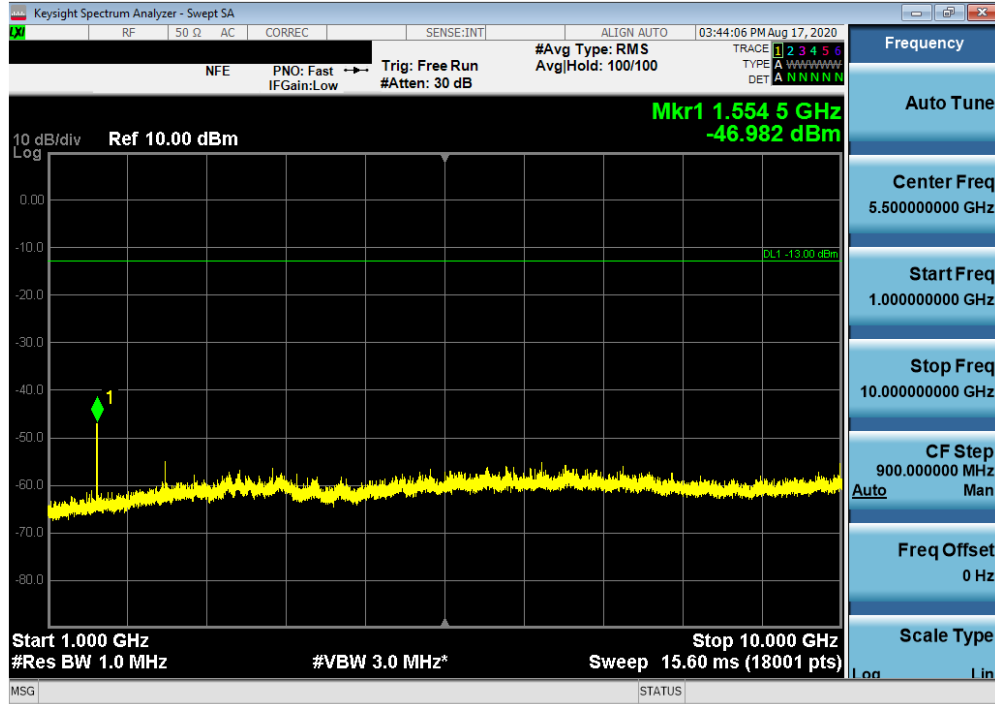


Plot 7-236. Conducted Spurious Plot (Band 26/5 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

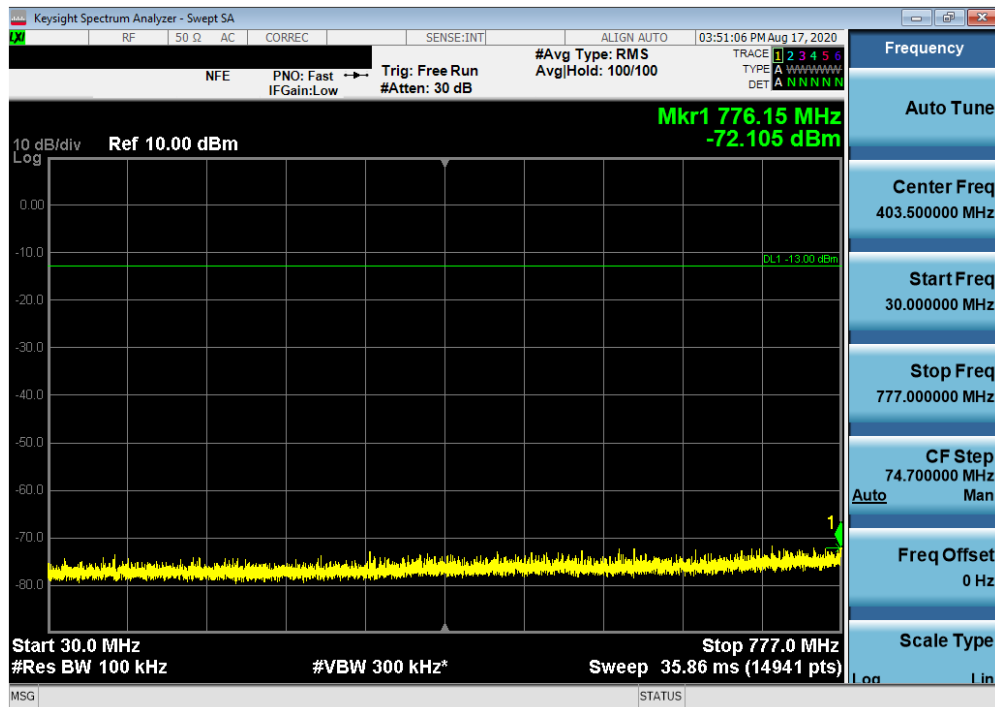


Plot 7-237. Conducted Spurious Plot (Band 13 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 139 of 386

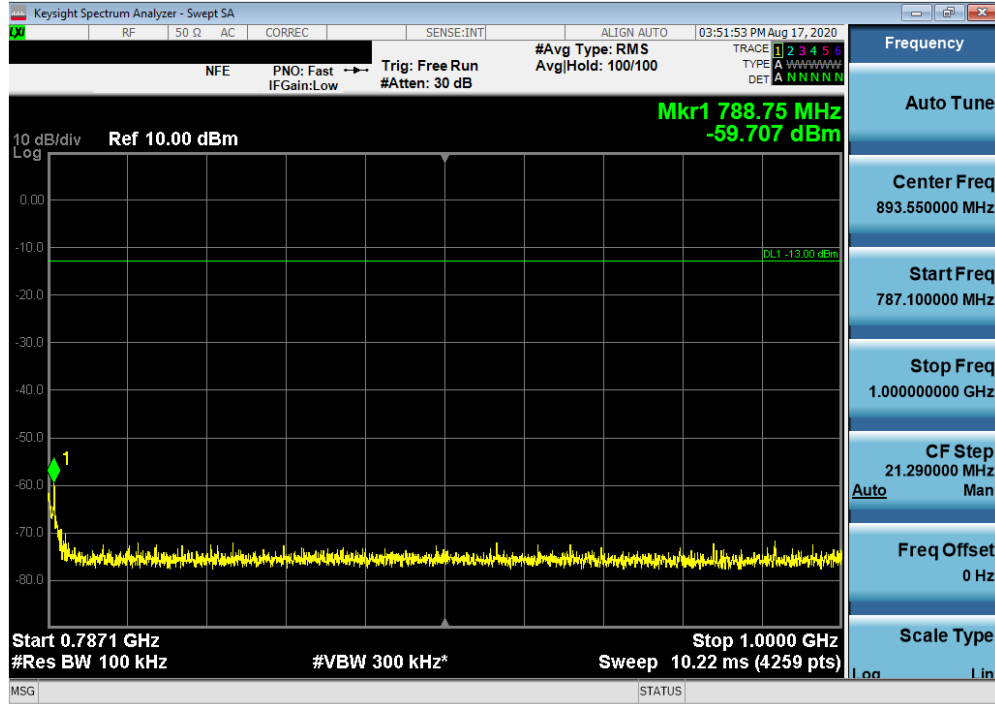


Plot 7-238. Conducted Spurious Plot (Band 13 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

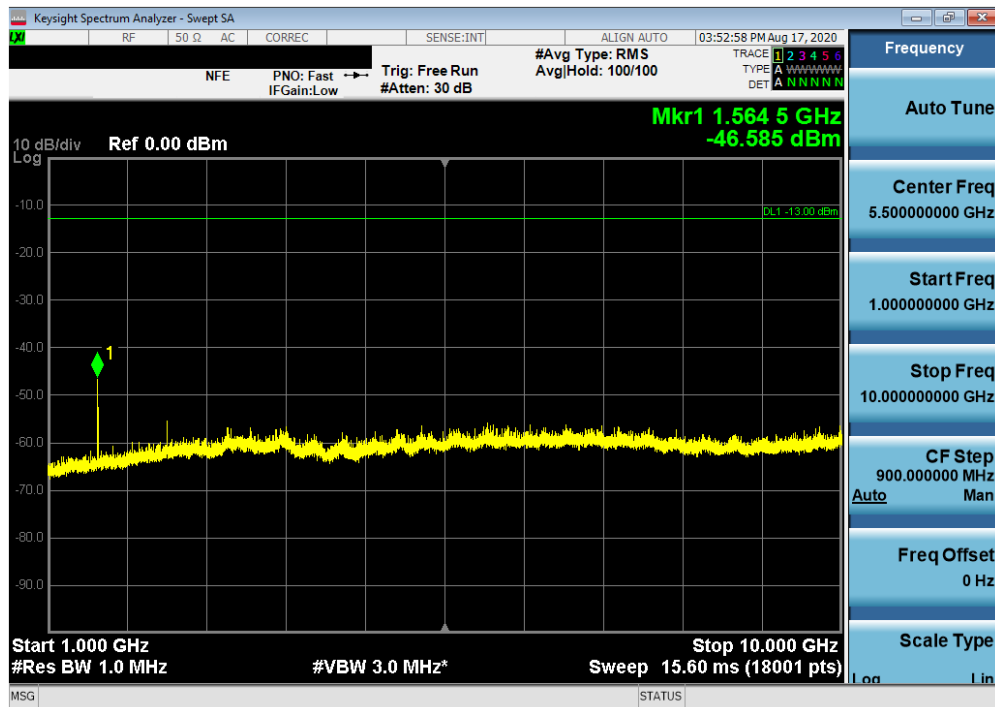


Plot 7-239. Conducted Spurious Plot (Band 13 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 140 of 386



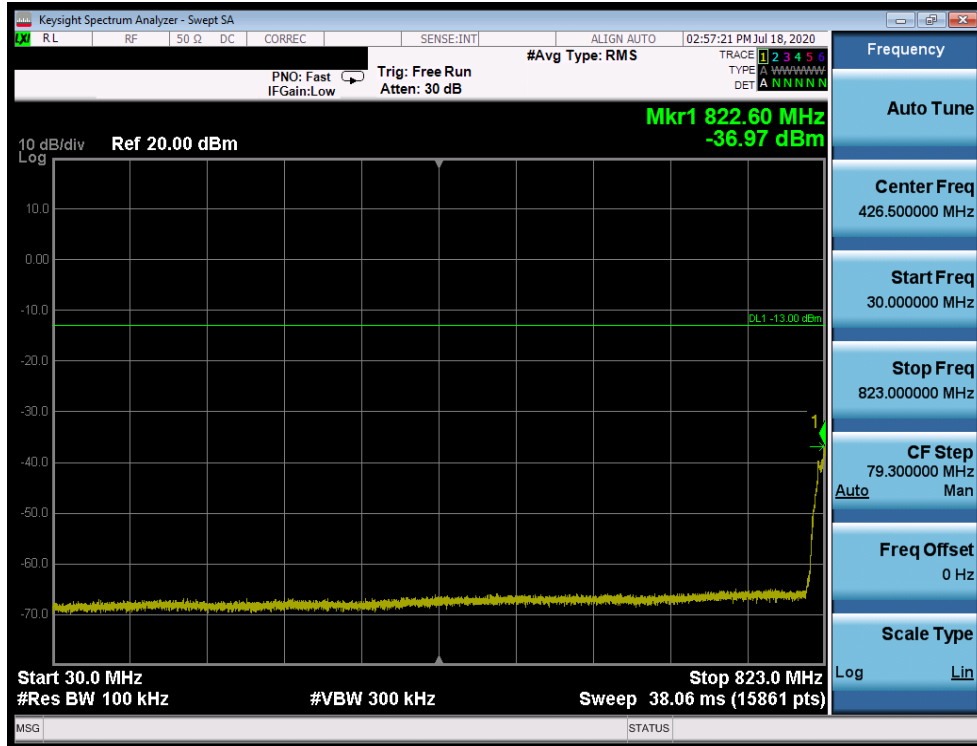
Plot 7-240. Conducted Spurious Plot (Band 13 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



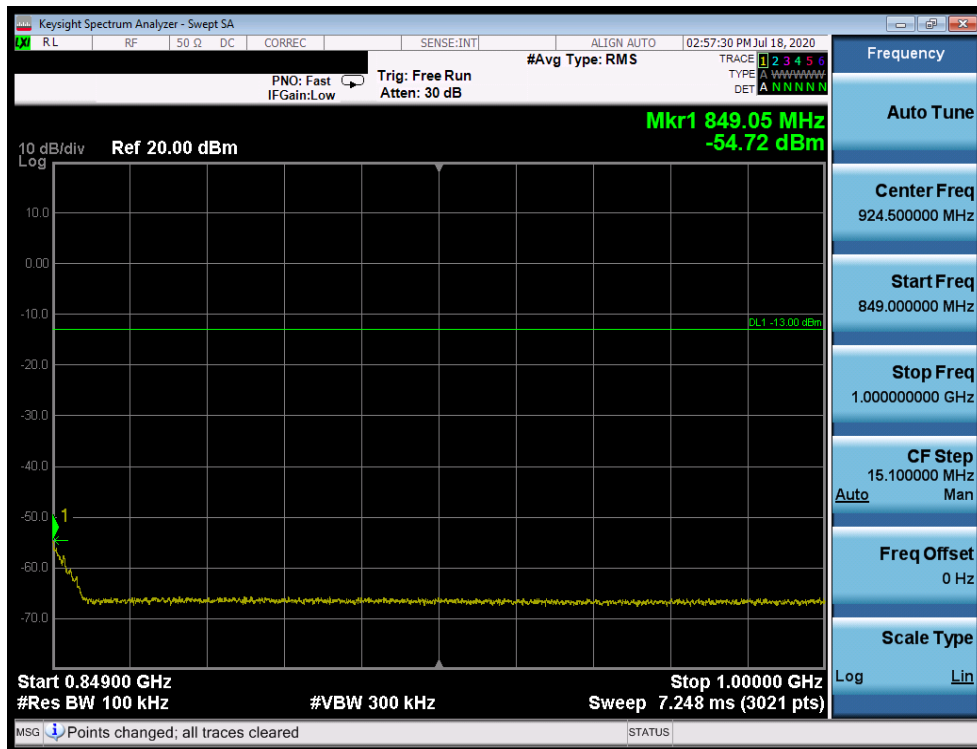
Plot 7-241. Conducted Spurious Plot (Band 13 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 141 of 386

Band 26/5

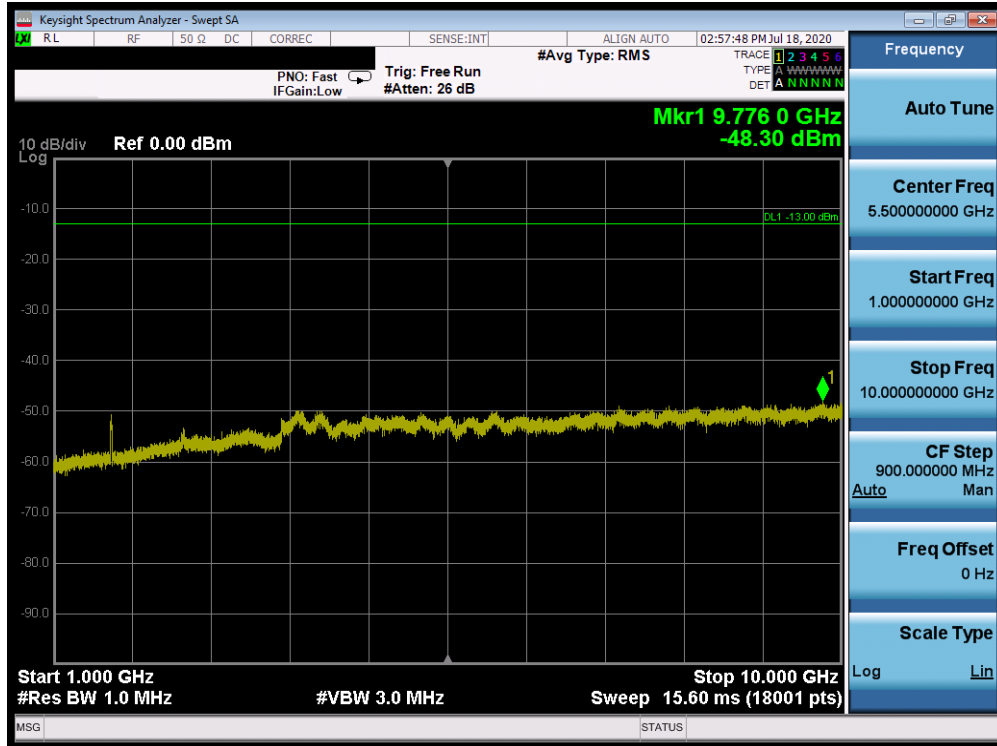


Plot 7-242. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

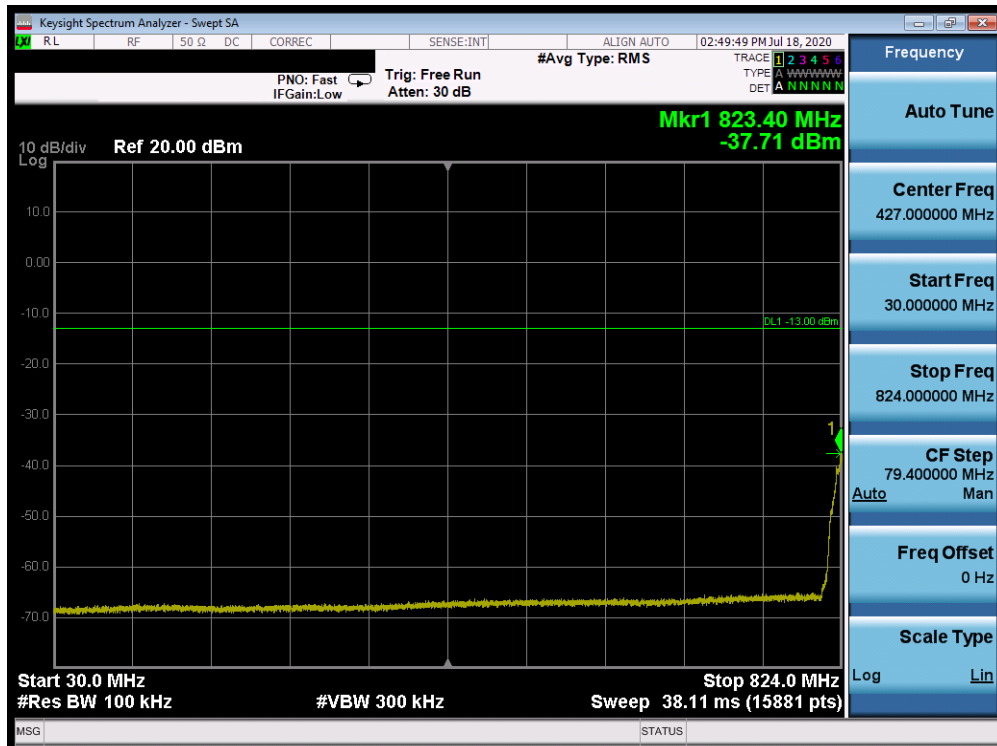


Plot 7-243. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 142 of 386

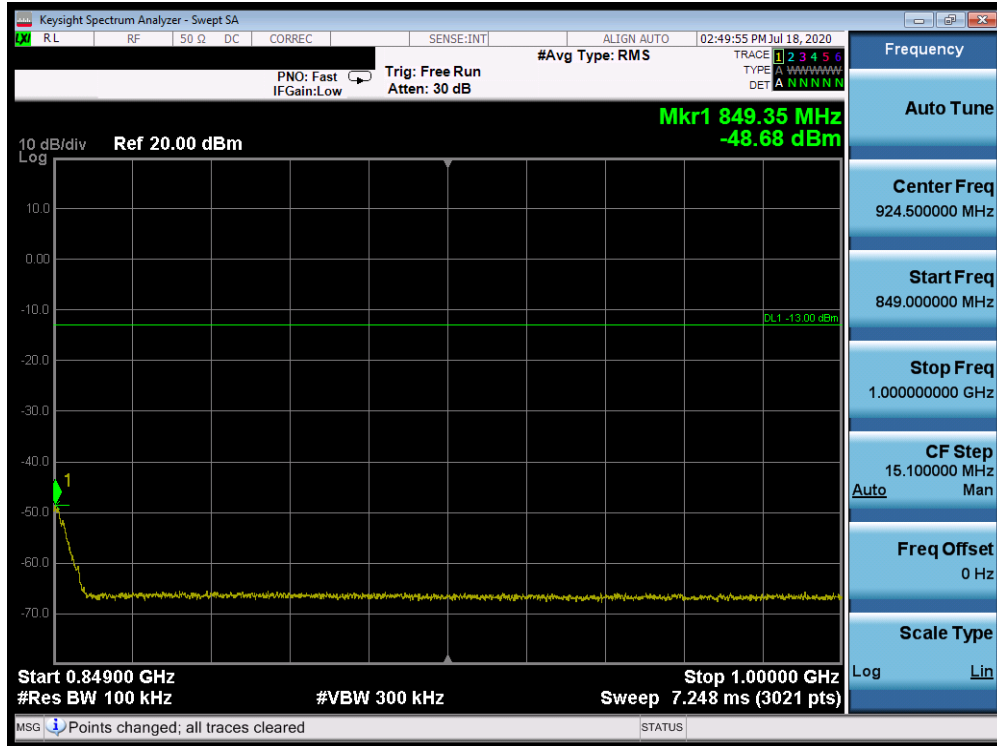


Plot 7-244. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

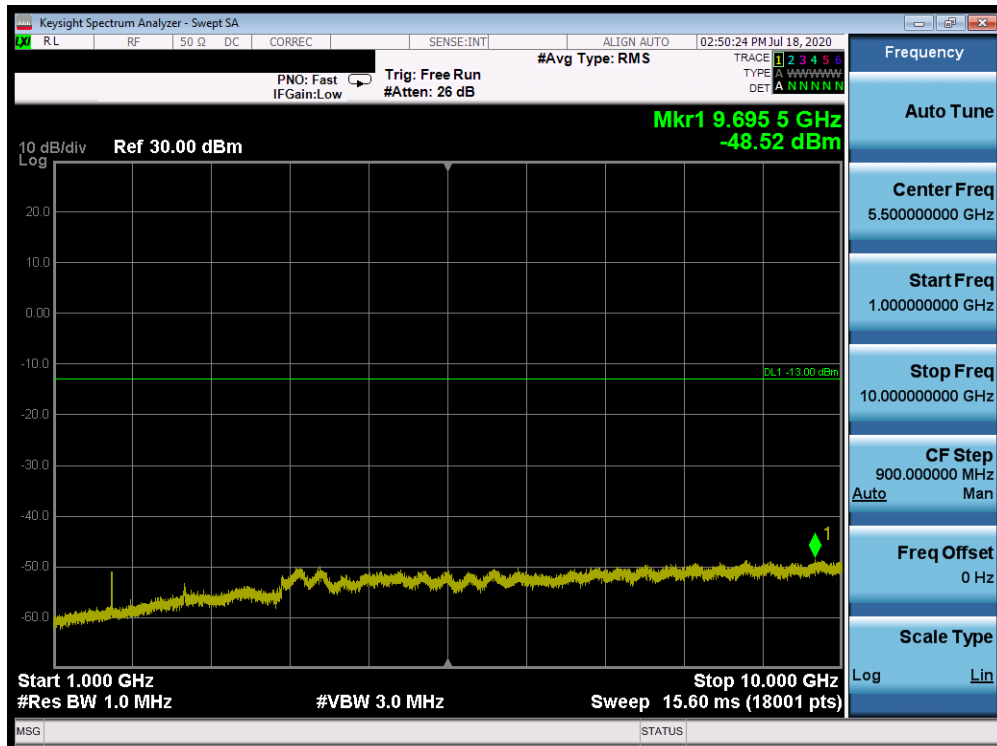


Plot 7-245. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 143 of 386

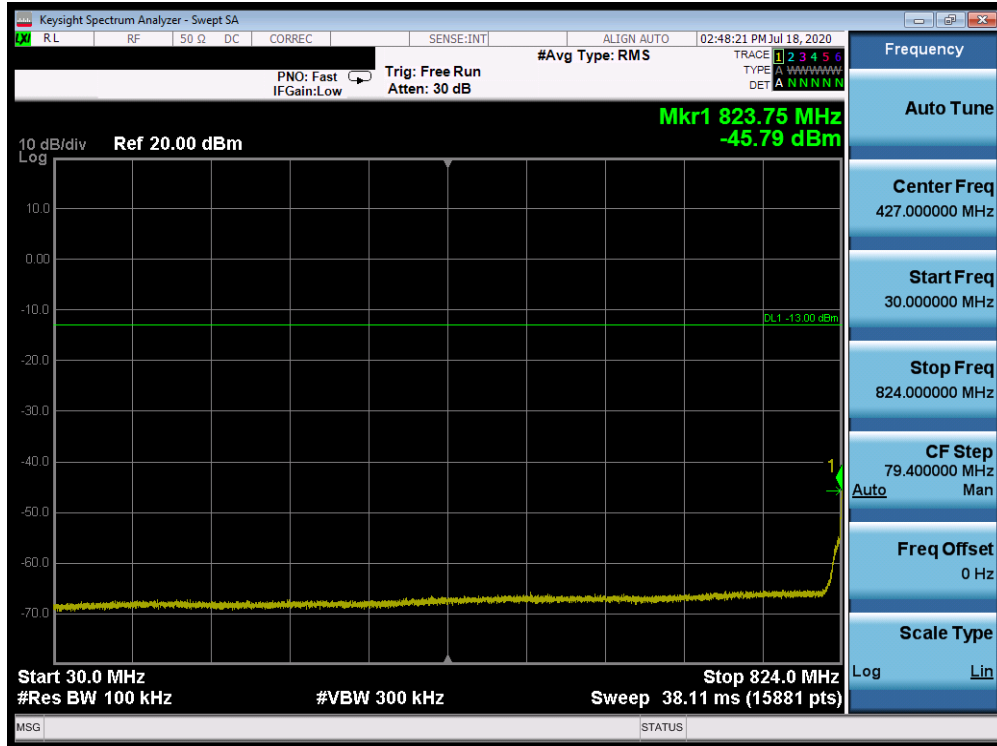


Plot 7-246. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

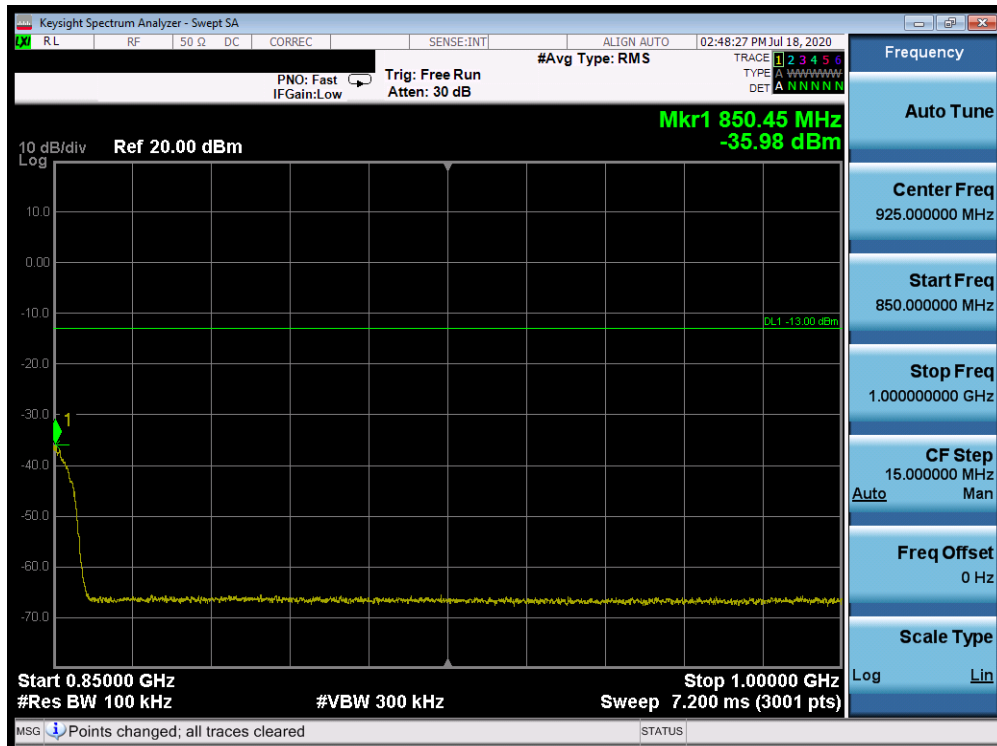


Plot 7-247. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 144 of 386

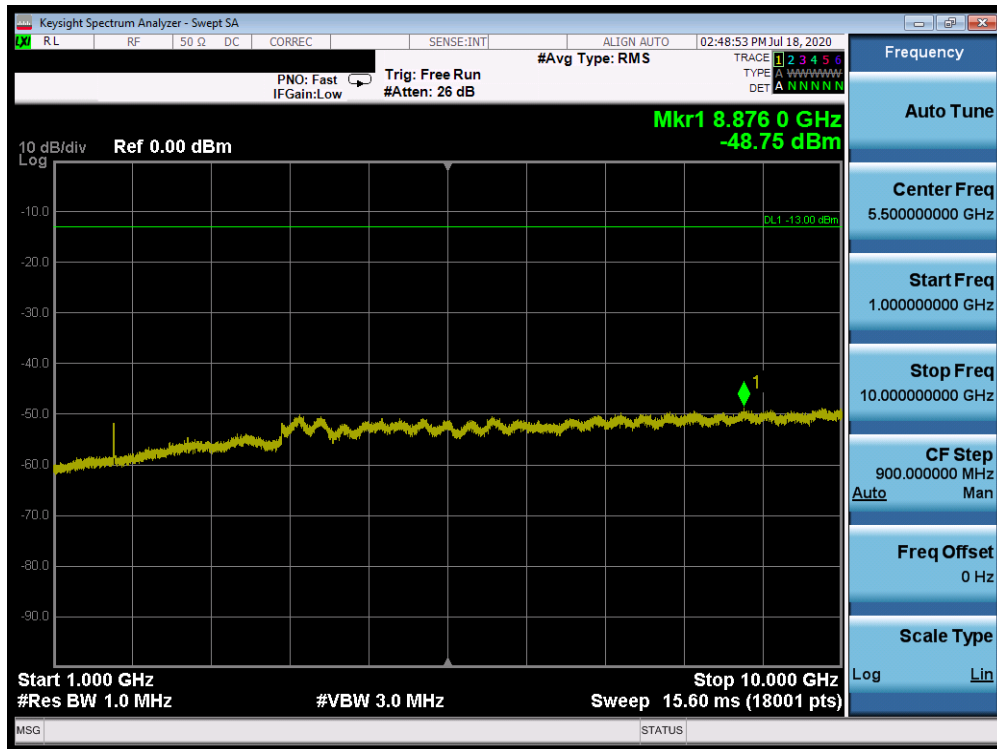


Plot 7-248. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-249. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

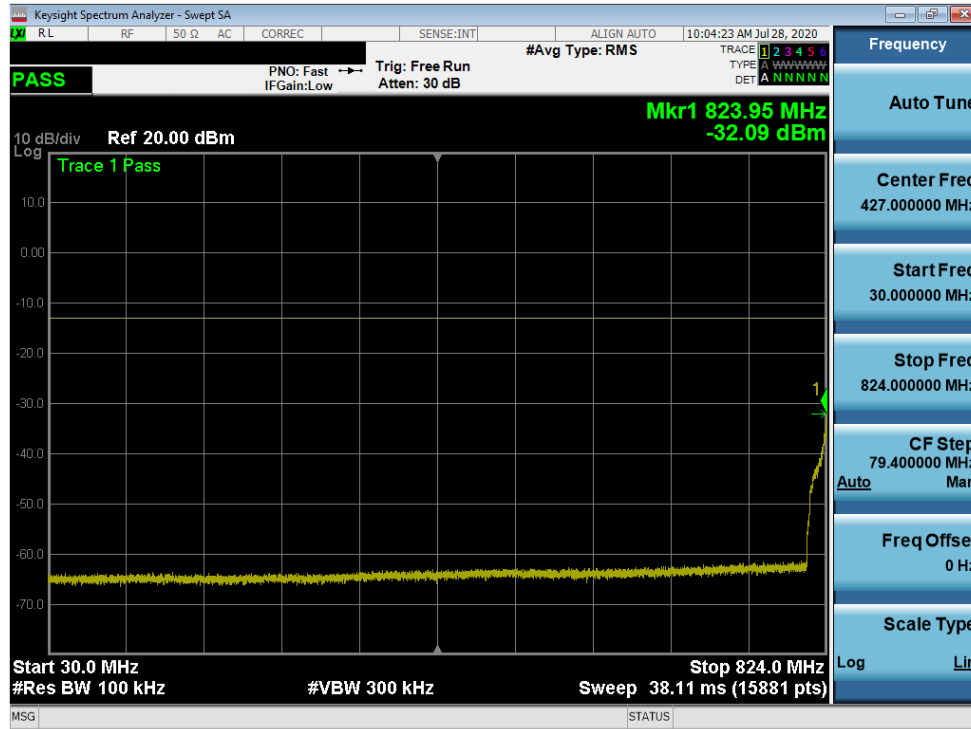
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 145 of 386



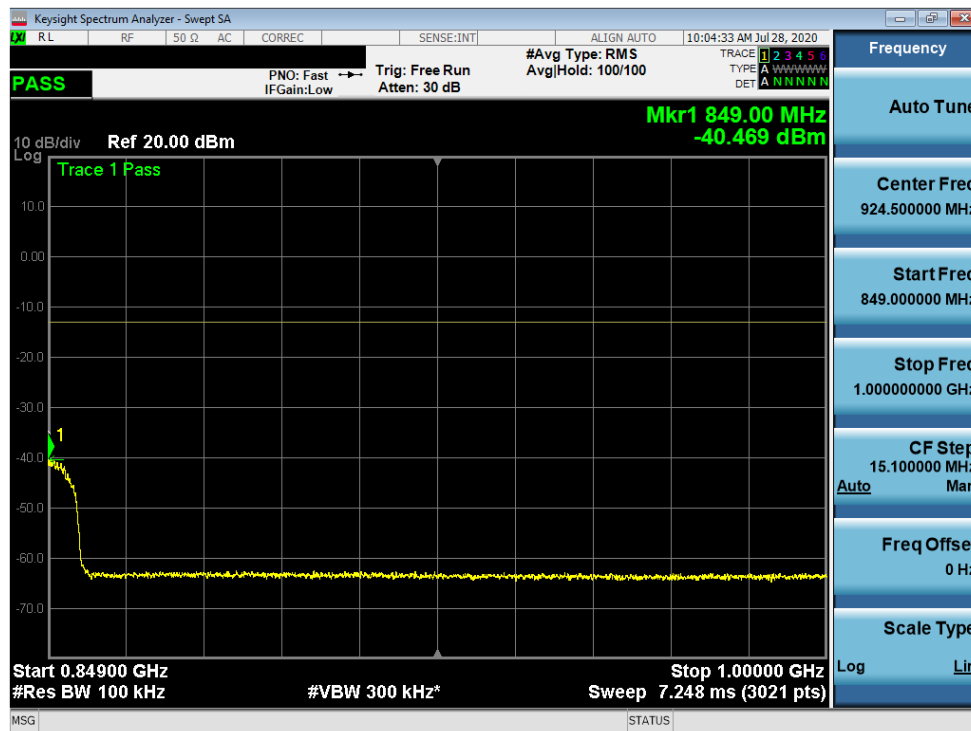
Plot 7-250. Conducted Spurious Plot (Band 26/5 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 146 of 386

NR Band n5

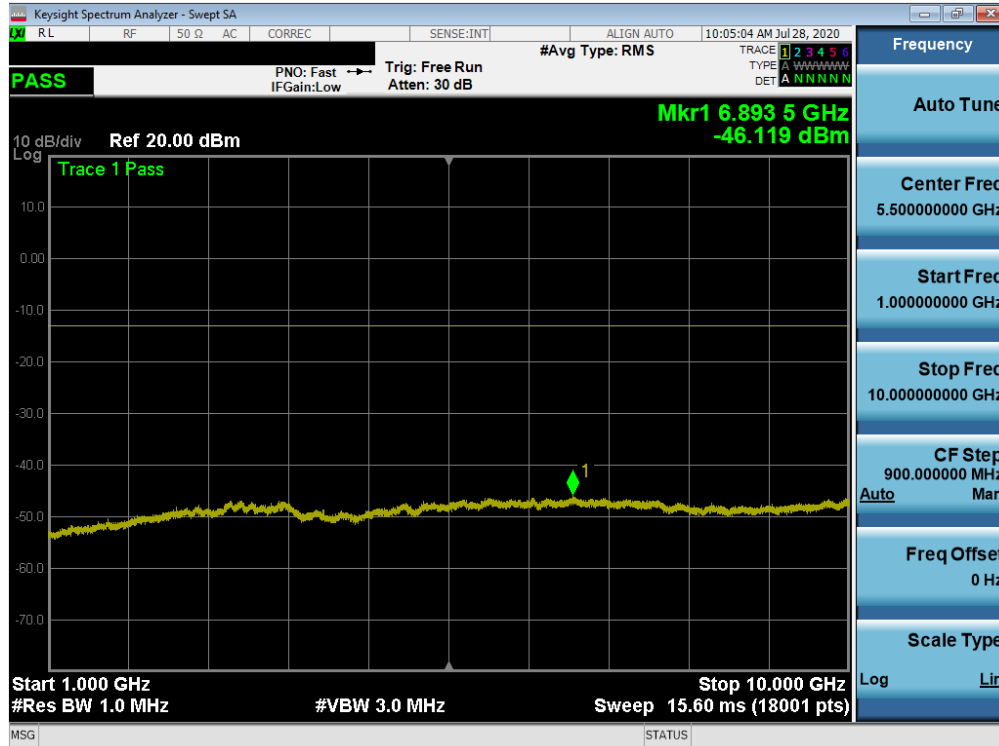


Plot 7-251. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

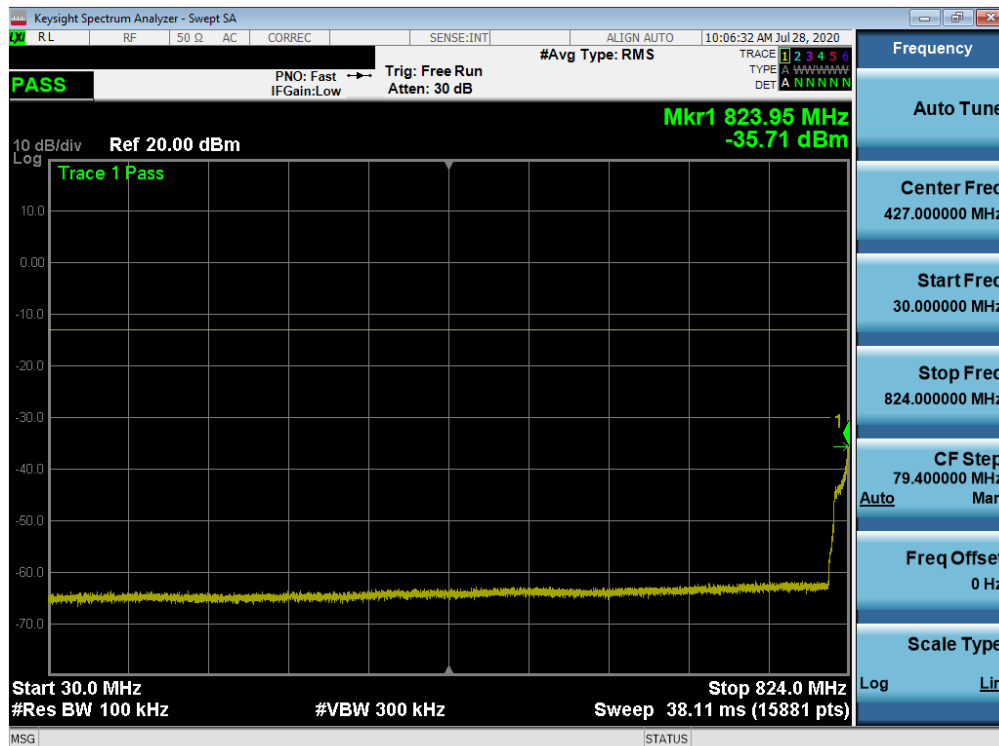


Plot 7-252. Conducted Spurious Plot (NR Band n5 - 20.0MHz DFT-s-OFDM BPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 147 of 386

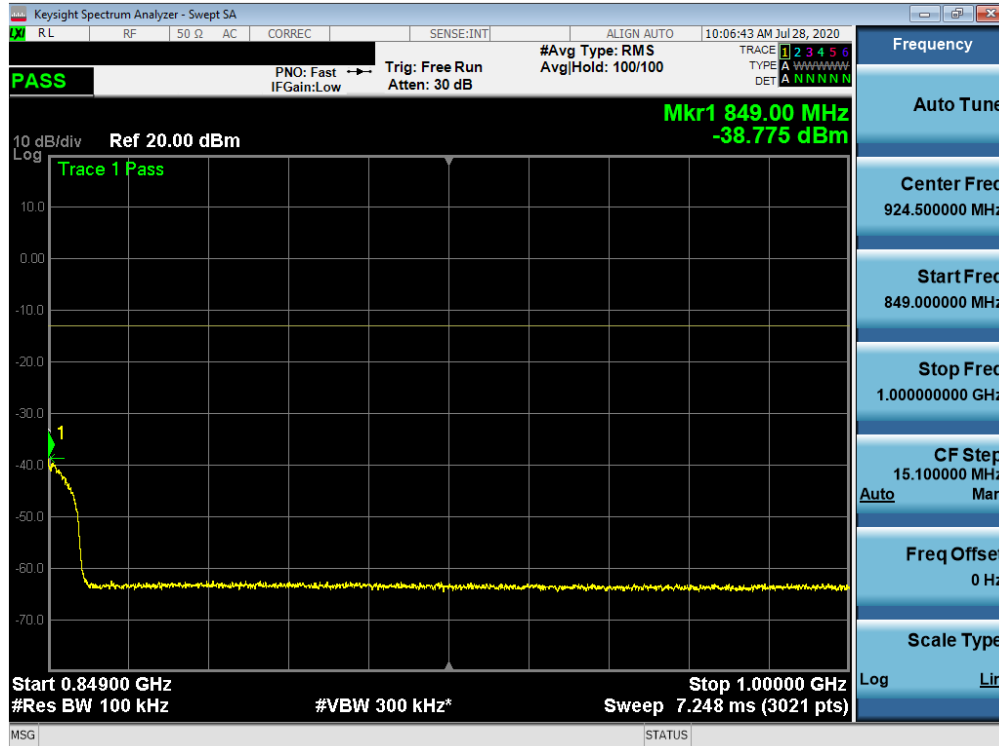


Plot 7-253. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

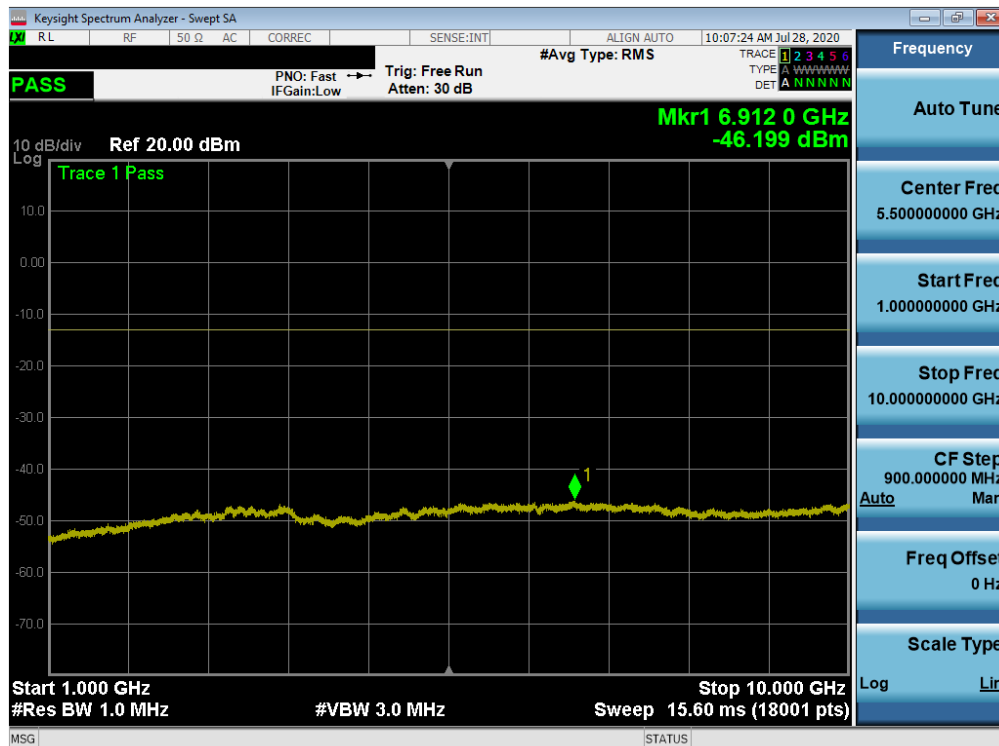


Plot 7-254. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 148 of 386

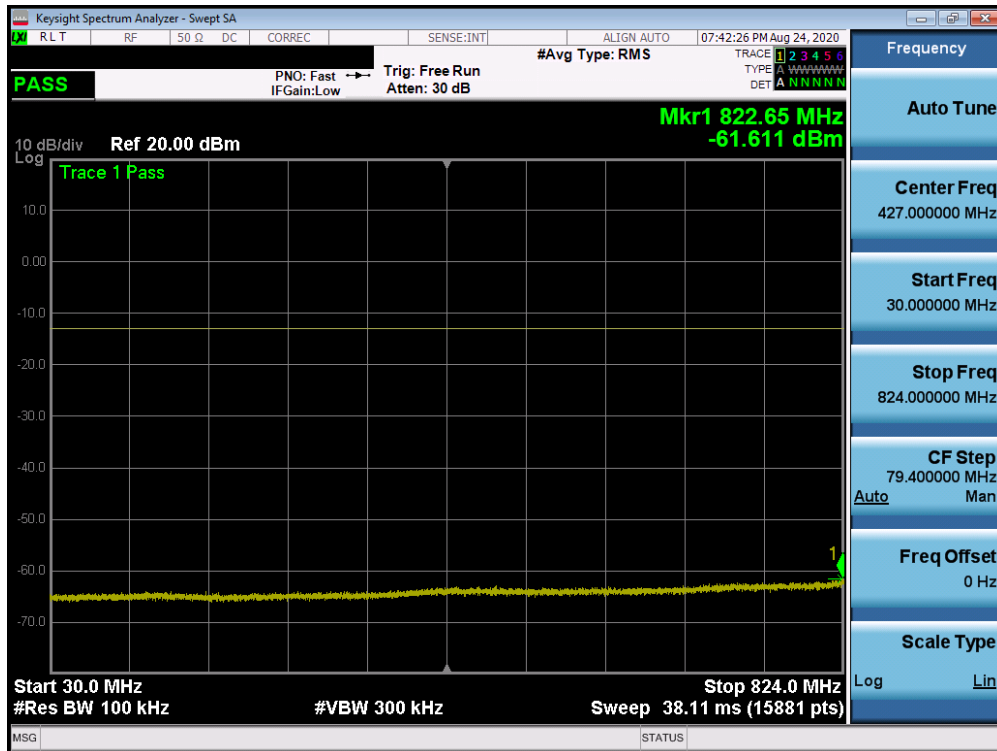


Plot 7-255. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

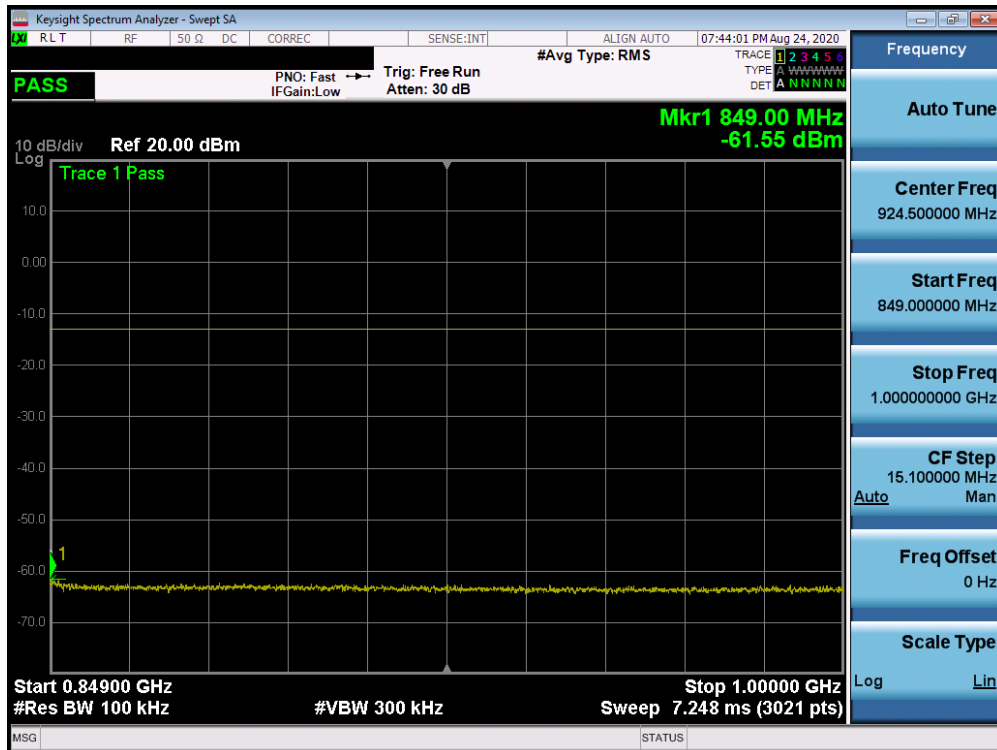


Plot 7-256. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 149 of 386



Plot 7-257. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-258. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

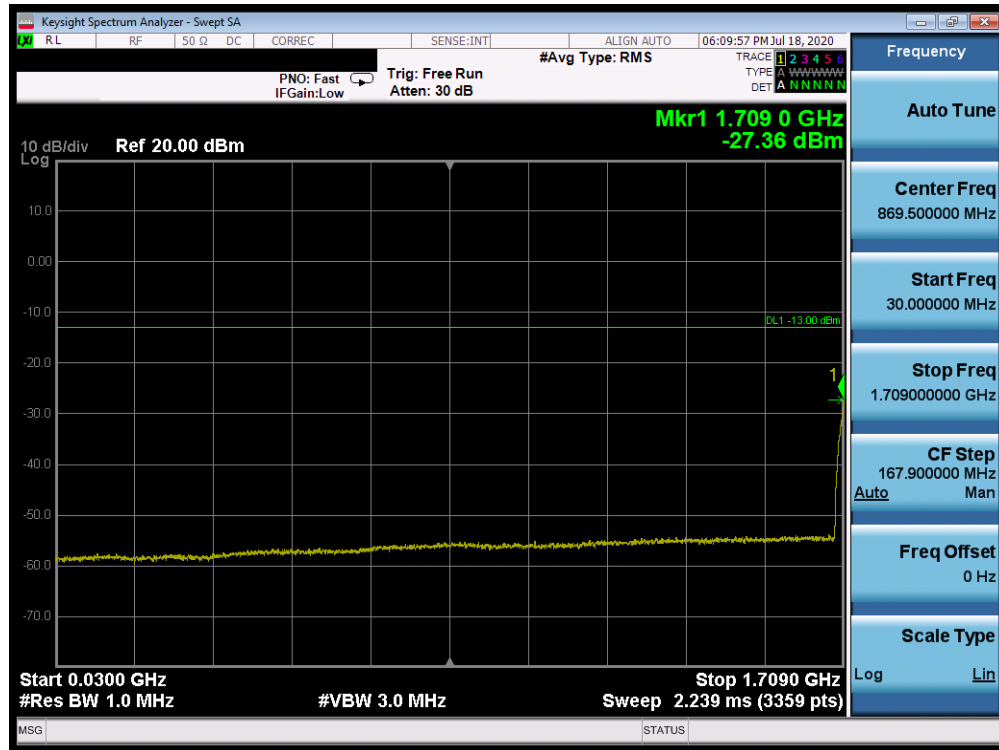
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 150 of 386



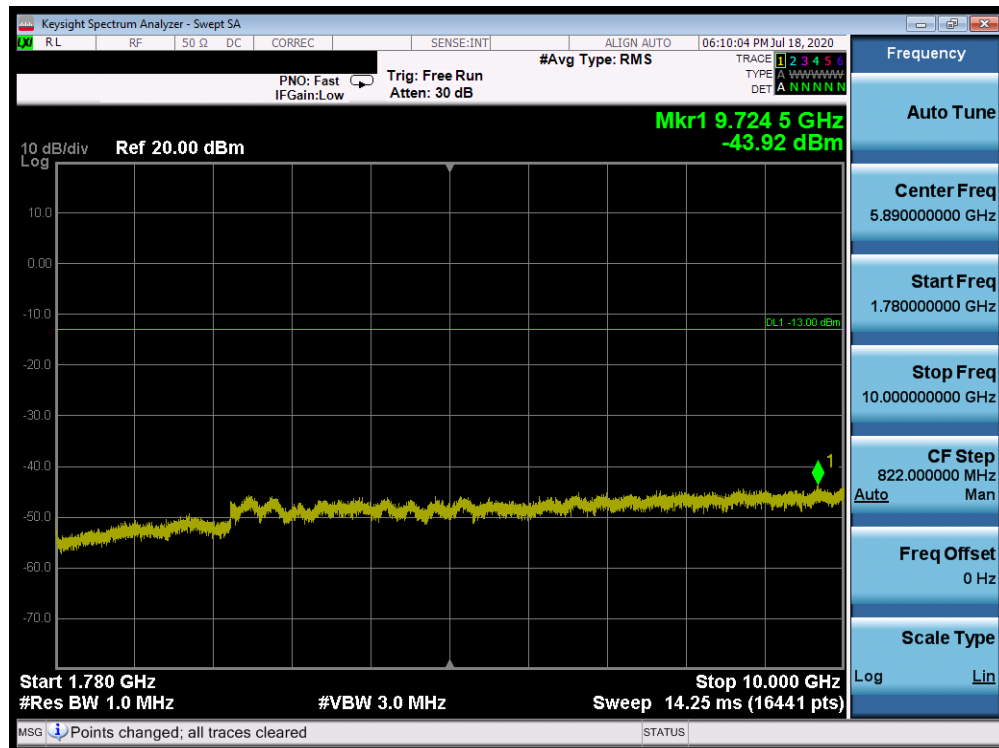
Plot 7-259. Conducted Spurious Plot (NR Band n5 - 20.0MHz - RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 151 of 386

Band 66/4

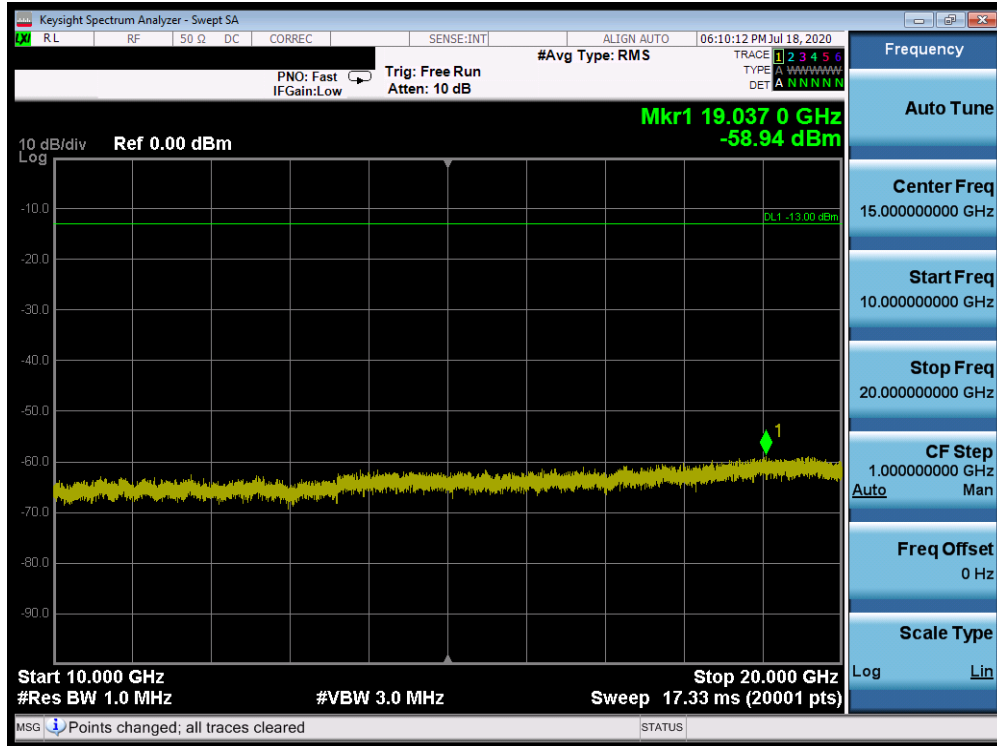


Plot 7-260. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

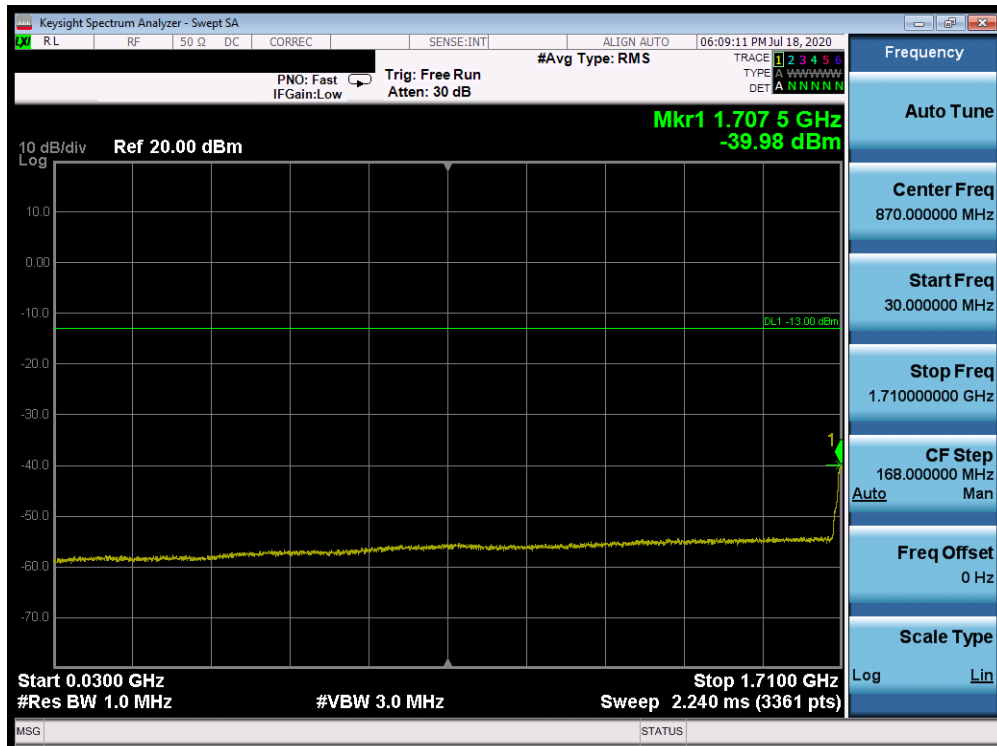


Plot 7-261. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 152 of 386

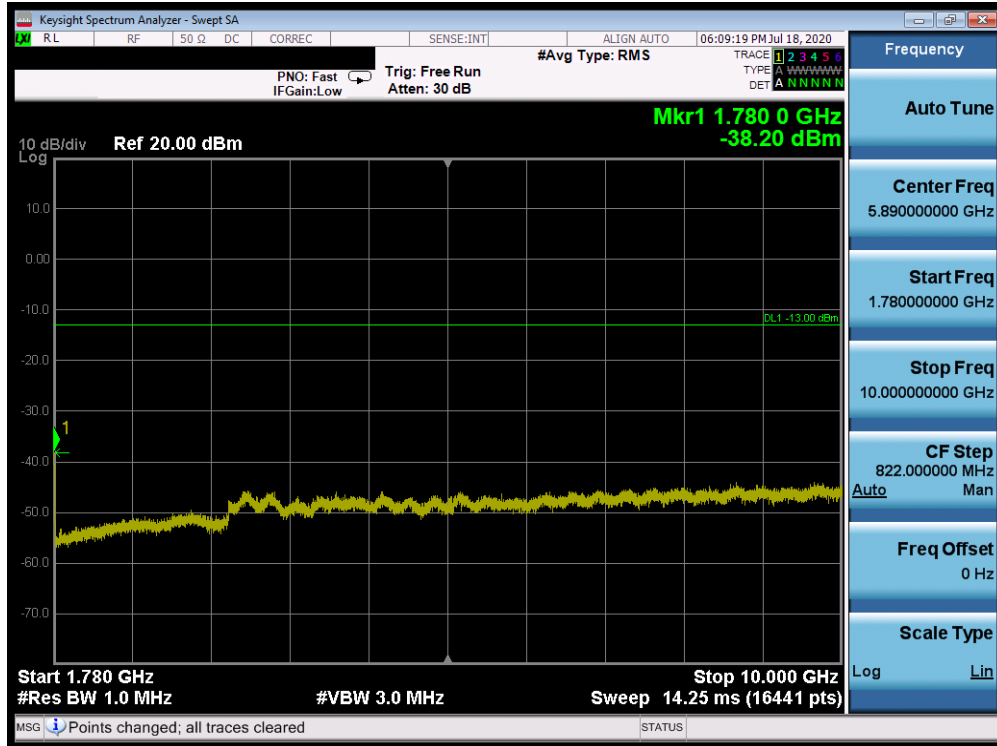


Plot 7-262. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

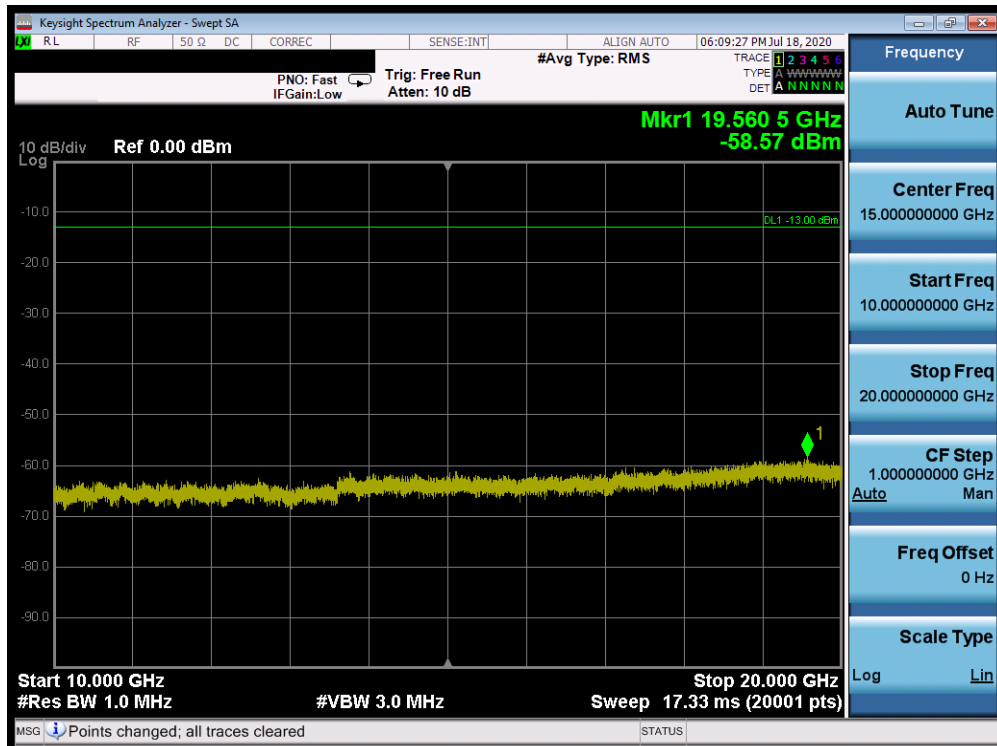


Plot 7-263. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 153 of 386

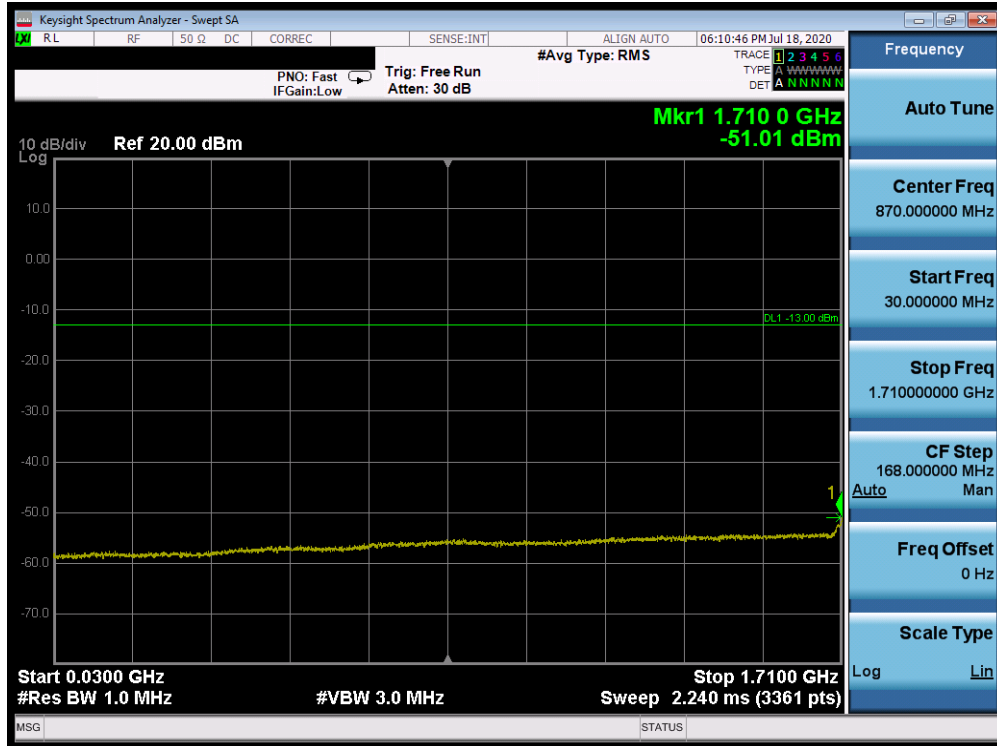


Plot 7-264. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

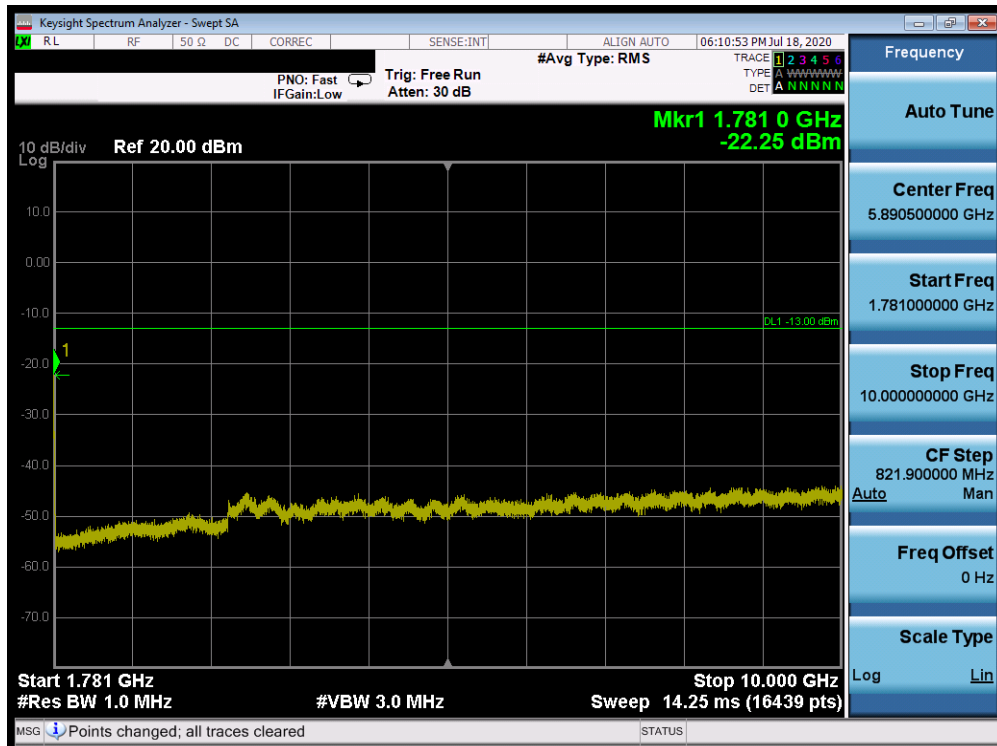


Plot 7-265. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 154 of 386

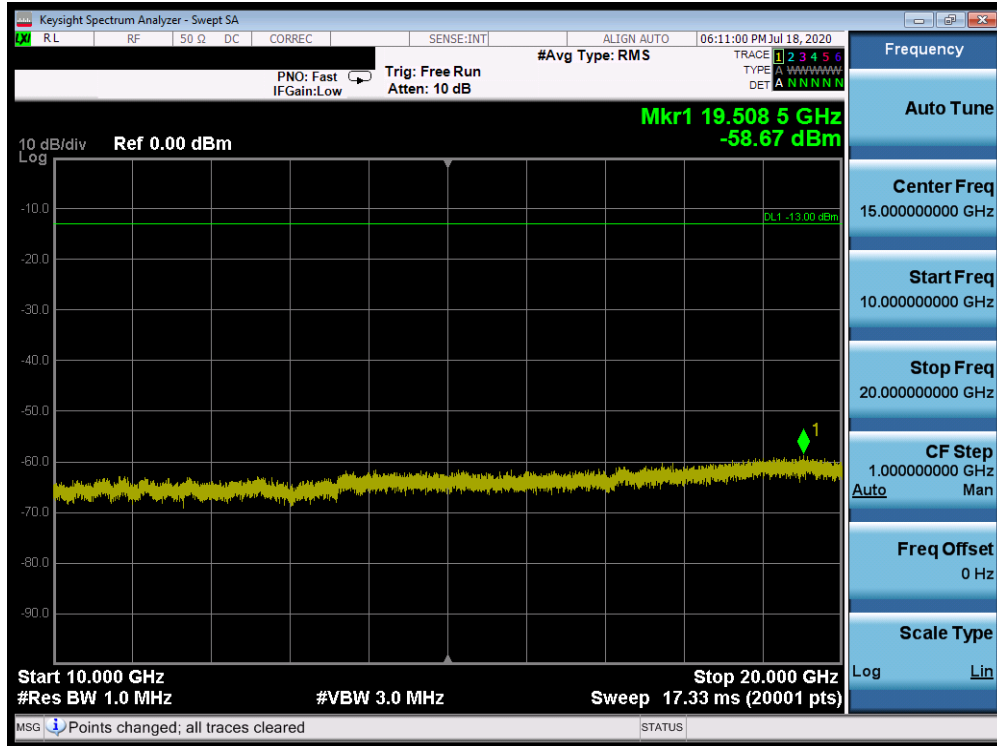


Plot 7-266. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-267. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

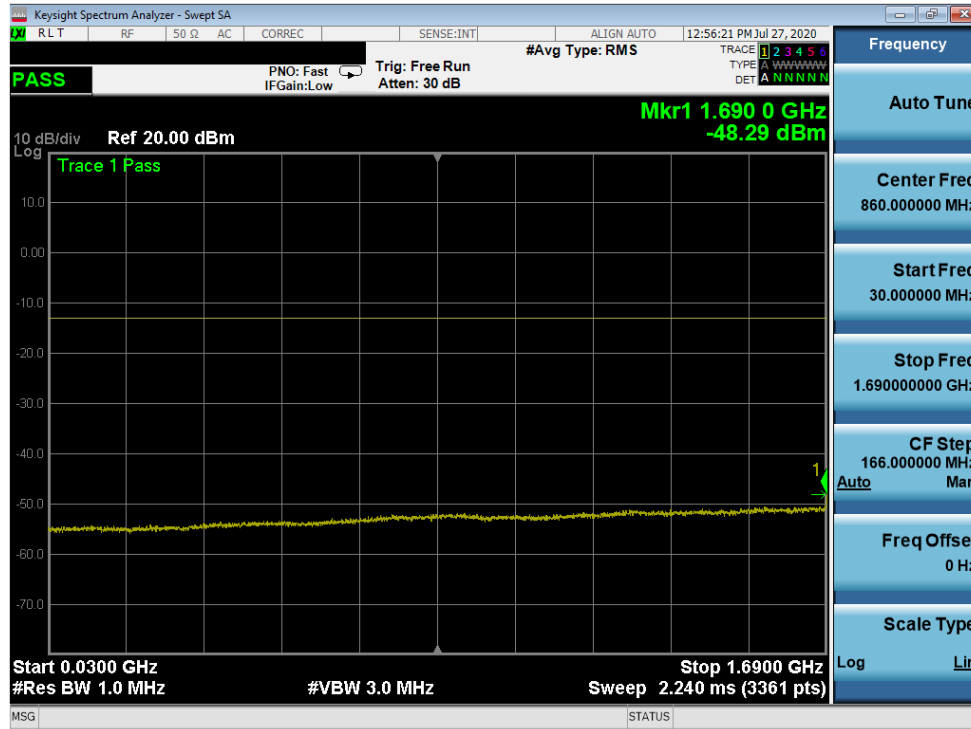
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 155 of 386



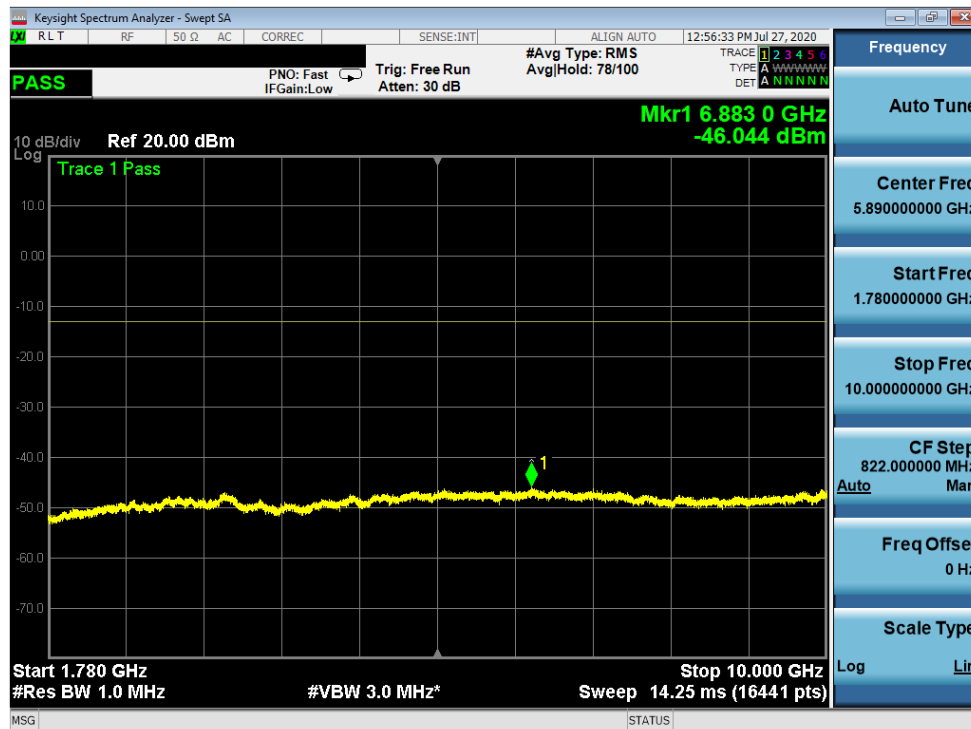
Plot 7-268. Conducted Spurious Plot (Band 66/4 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 156 of 386

NR Band n66

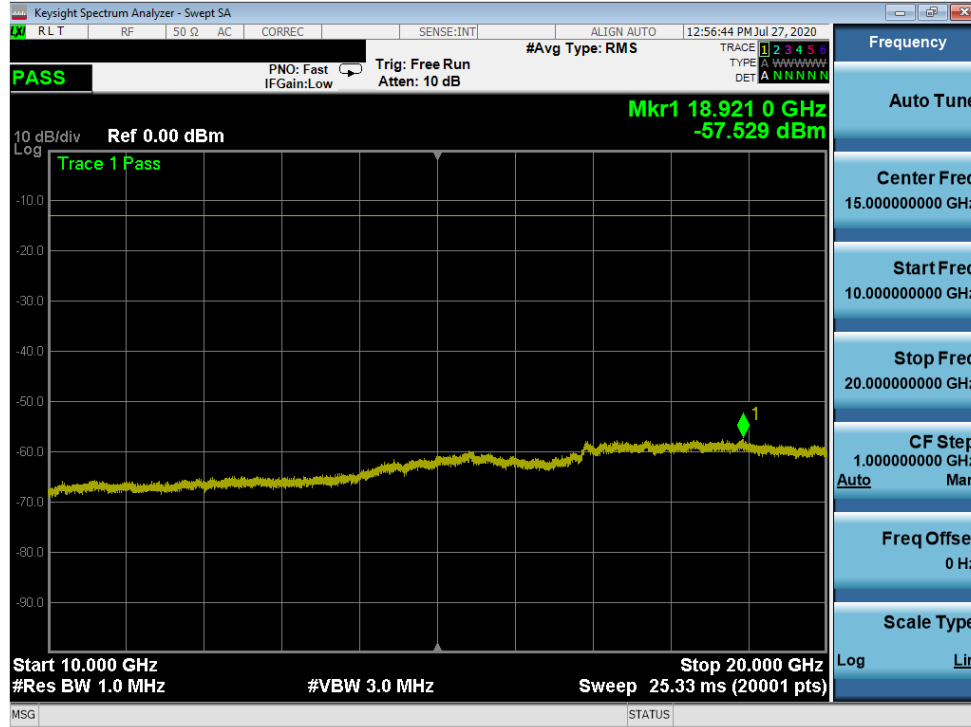


Plot 7-269. Conducted Spurious Plot (NR Band n66 -20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

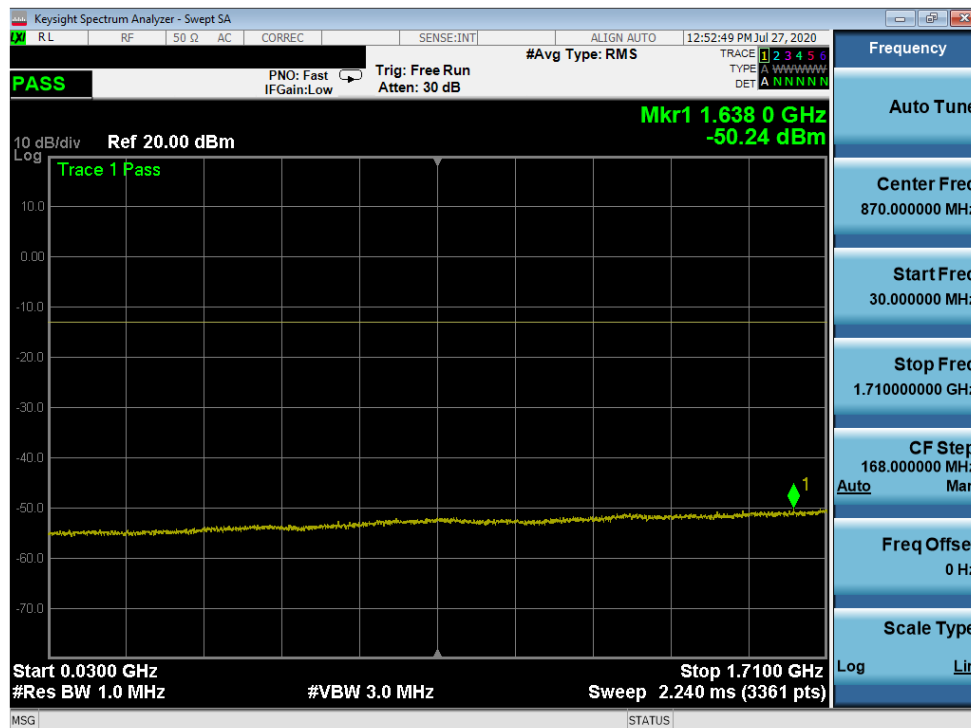


Plot 7-270. Conducted Spurious Plot (NR Band n66 -20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 157 of 386

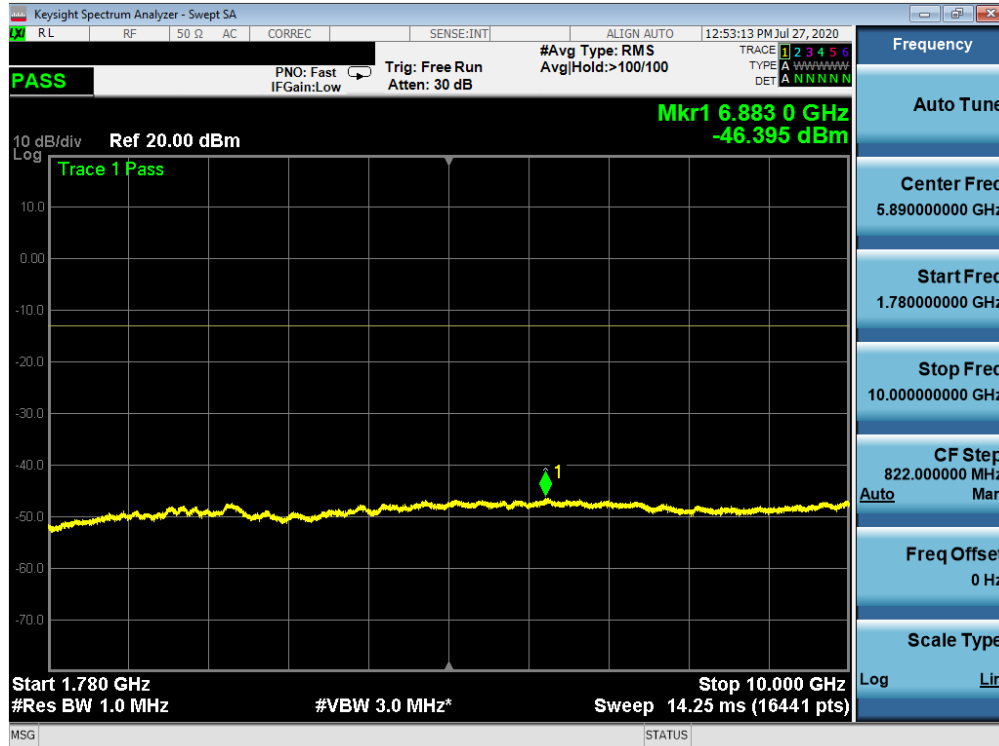


Plot 7-271. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

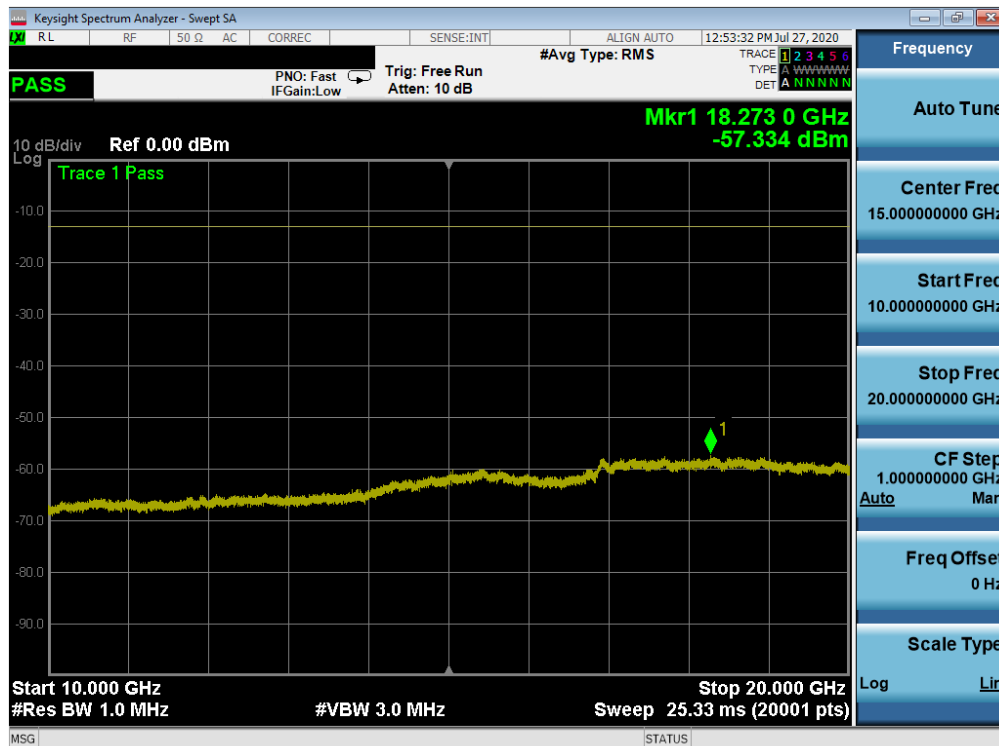


Plot 7-272. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 158 of 386

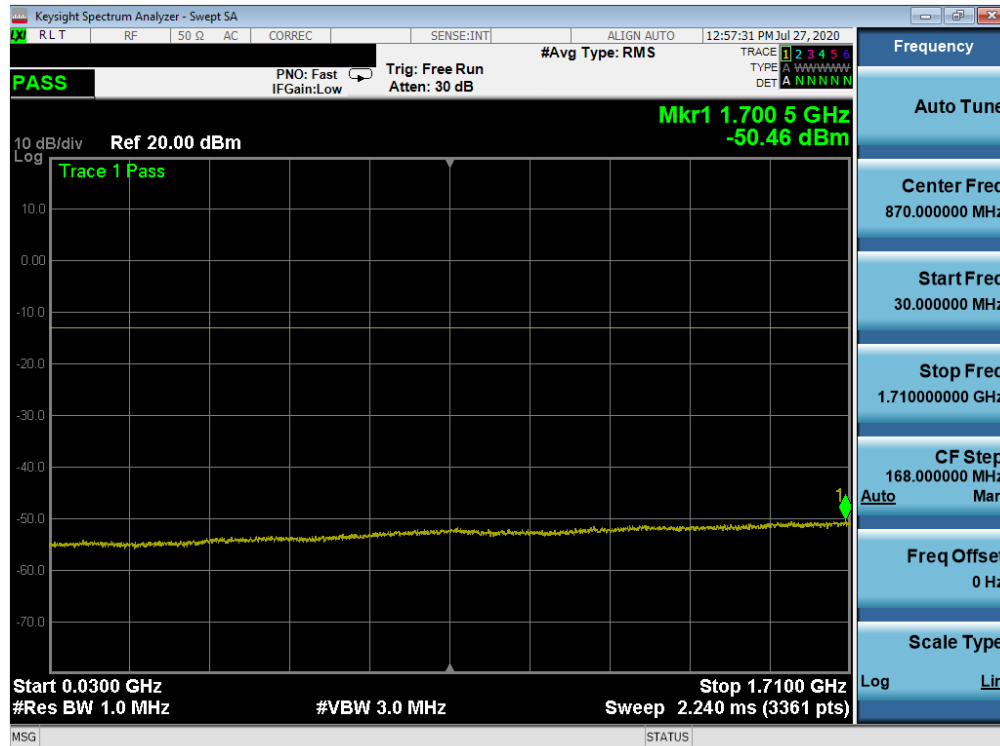


Plot 7-273. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

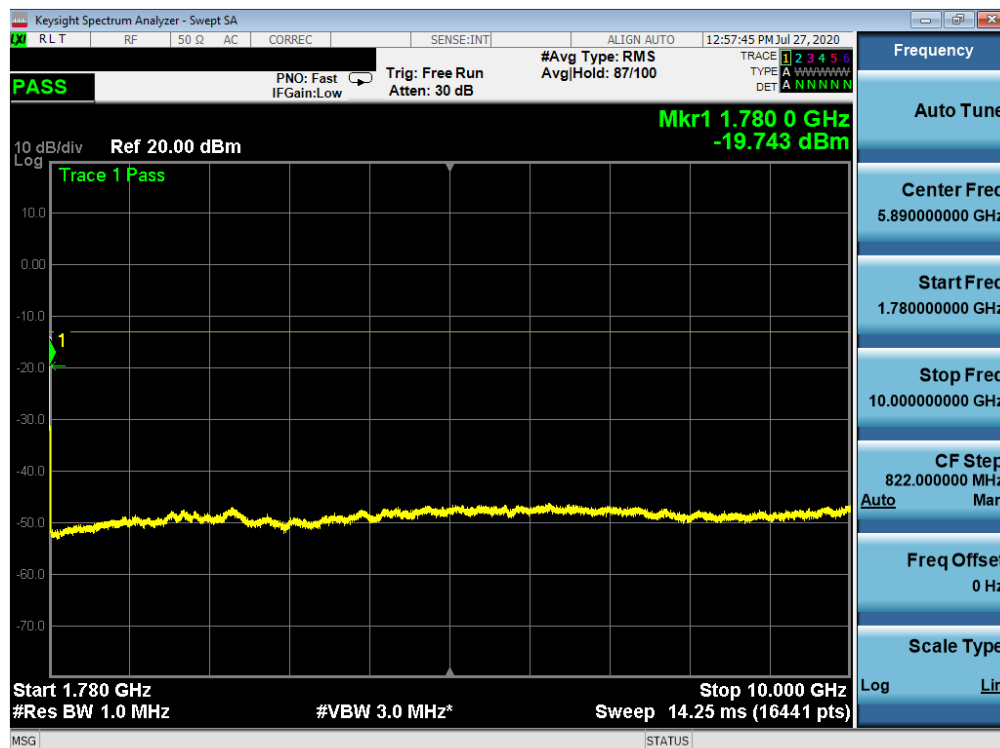


Plot 7-274. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 159 of 386

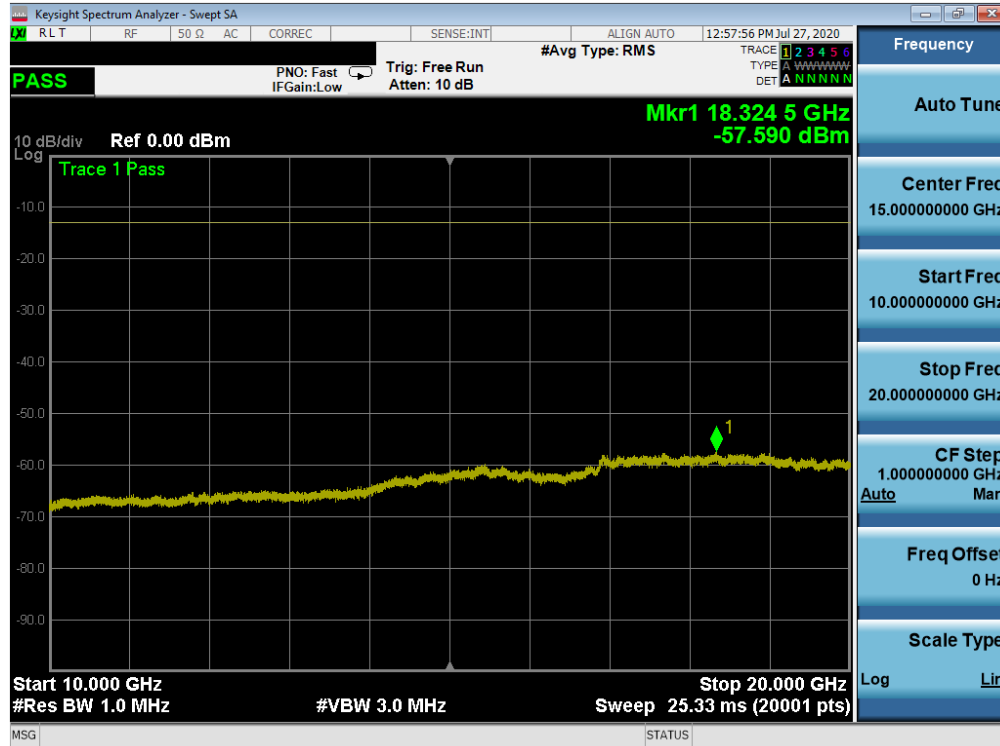


Plot 7-275. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-276. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

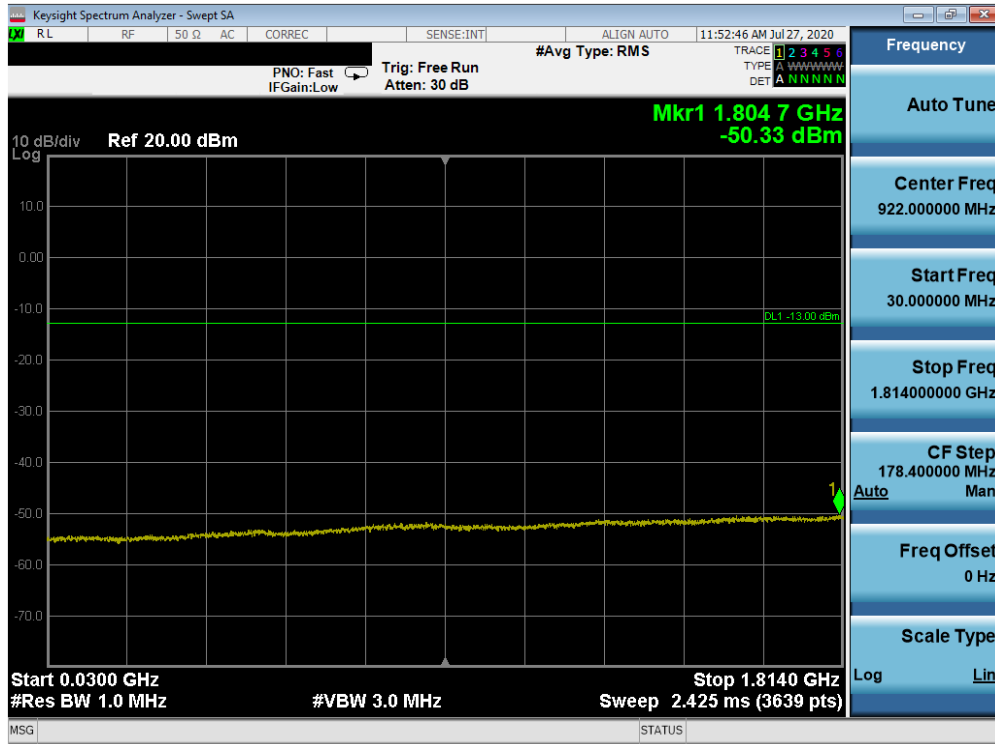
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 160 of 386



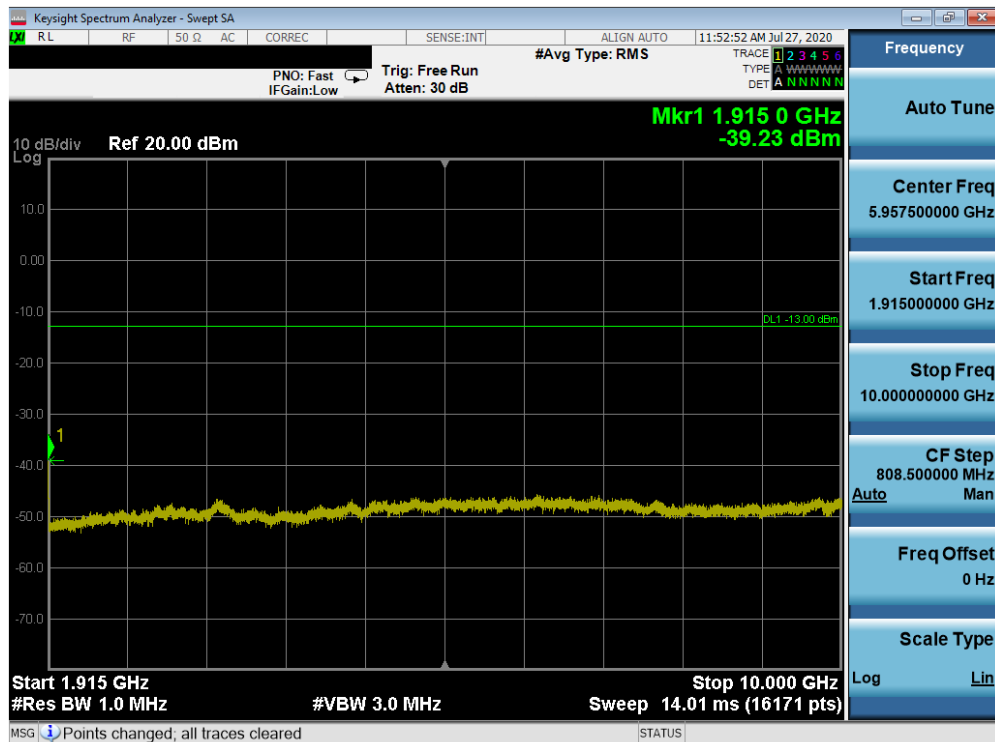
Plot 7-277. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 161 of 386

Band 25/2

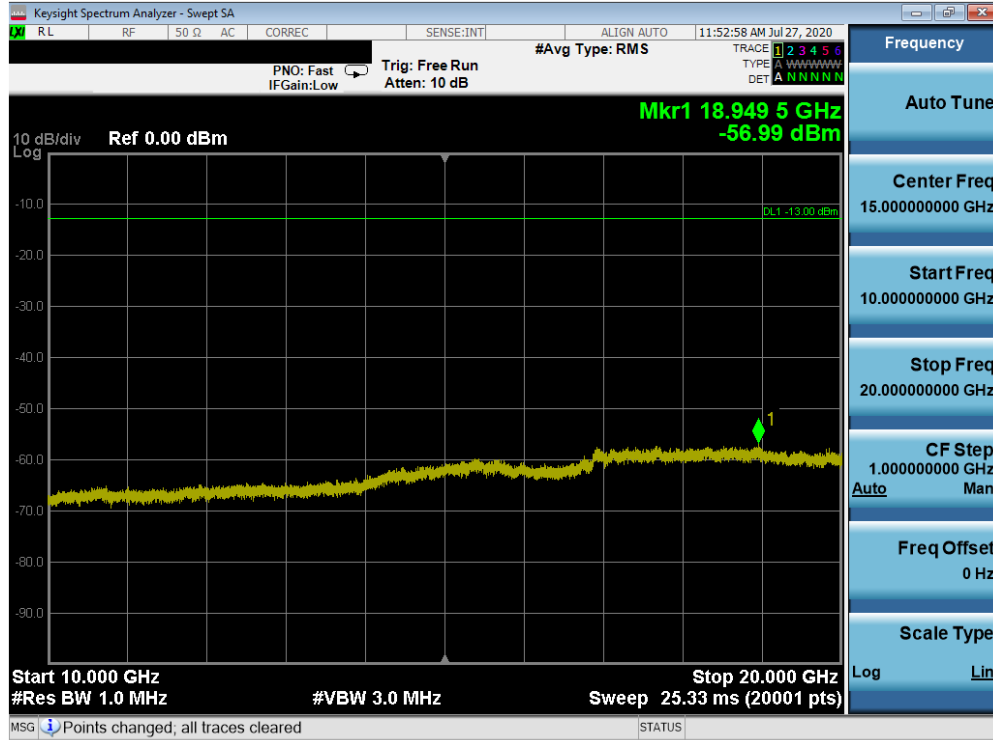


Plot 7-278. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

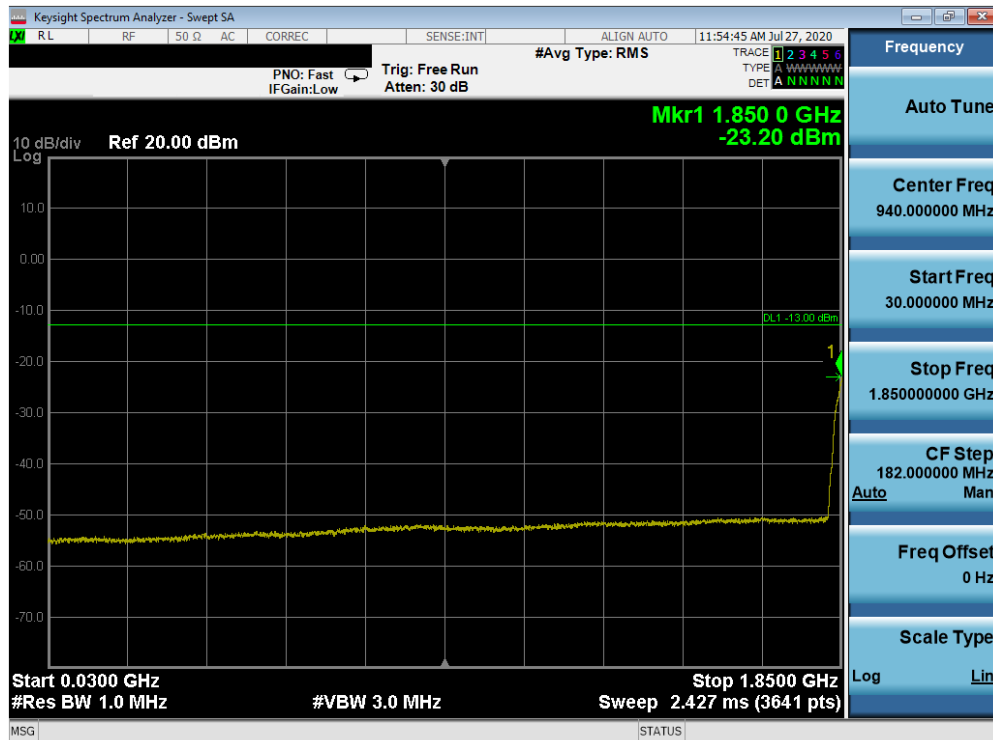


Plot 7-279. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 162 of 386

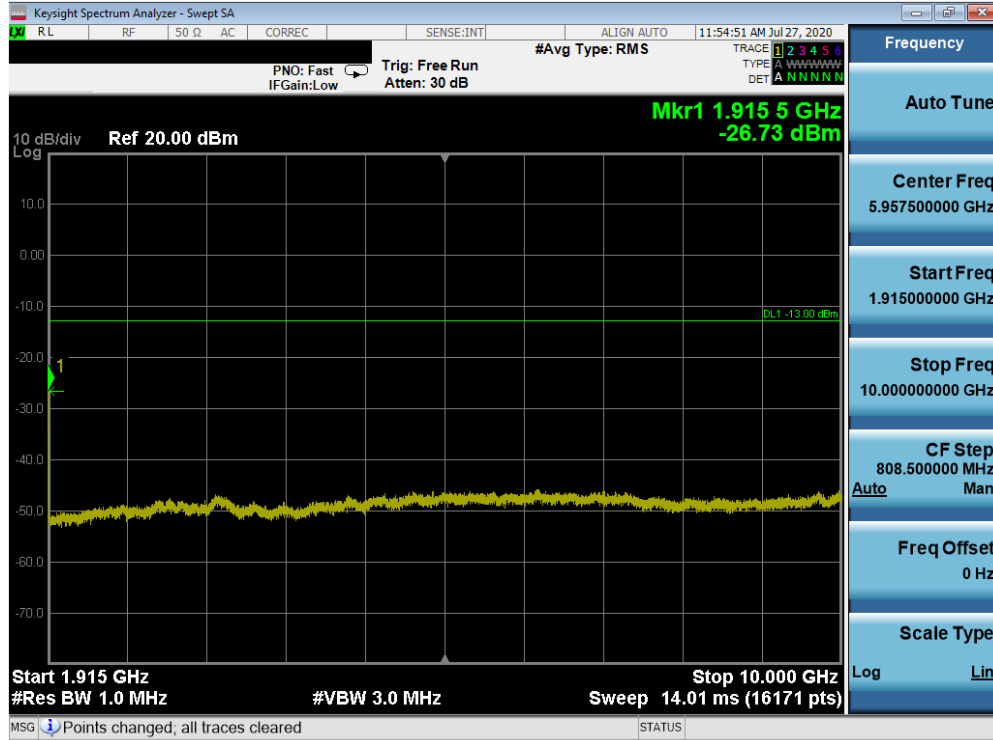


Plot 7-280. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

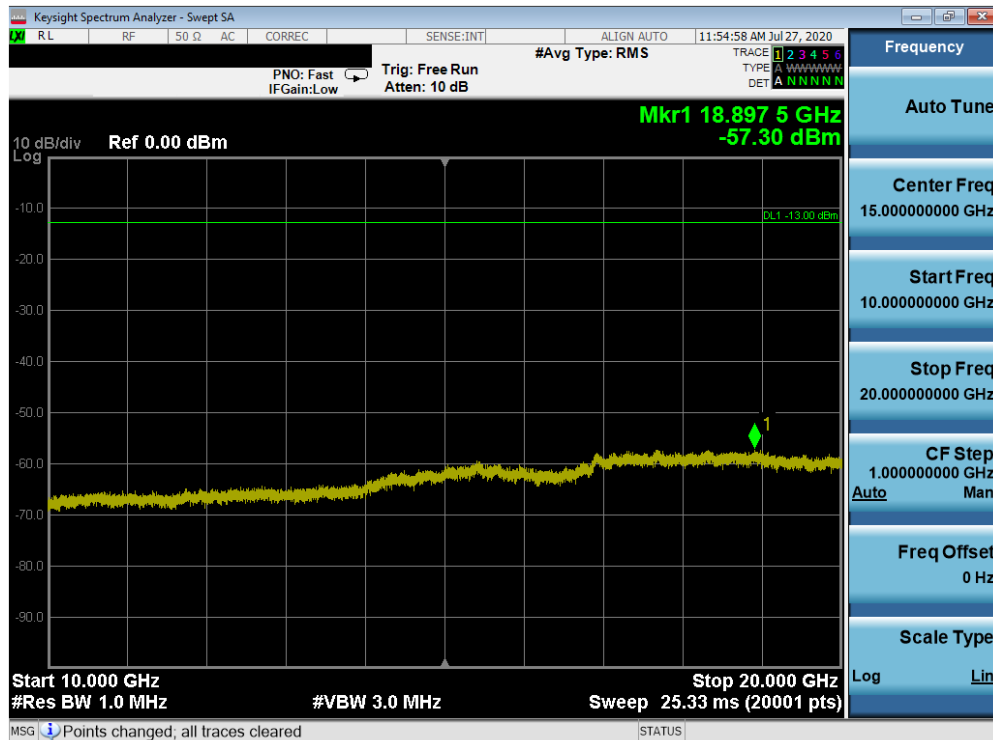


Plot 7-281. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 163 of 386



Plot 7-282. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

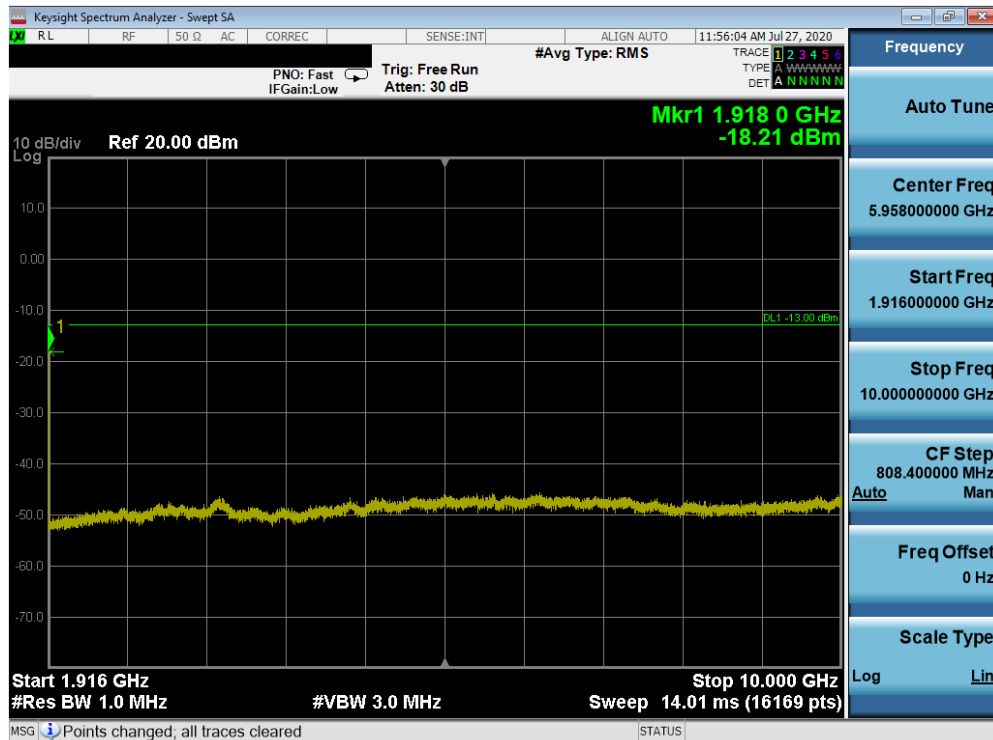


Plot 7-283. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 164 of 386

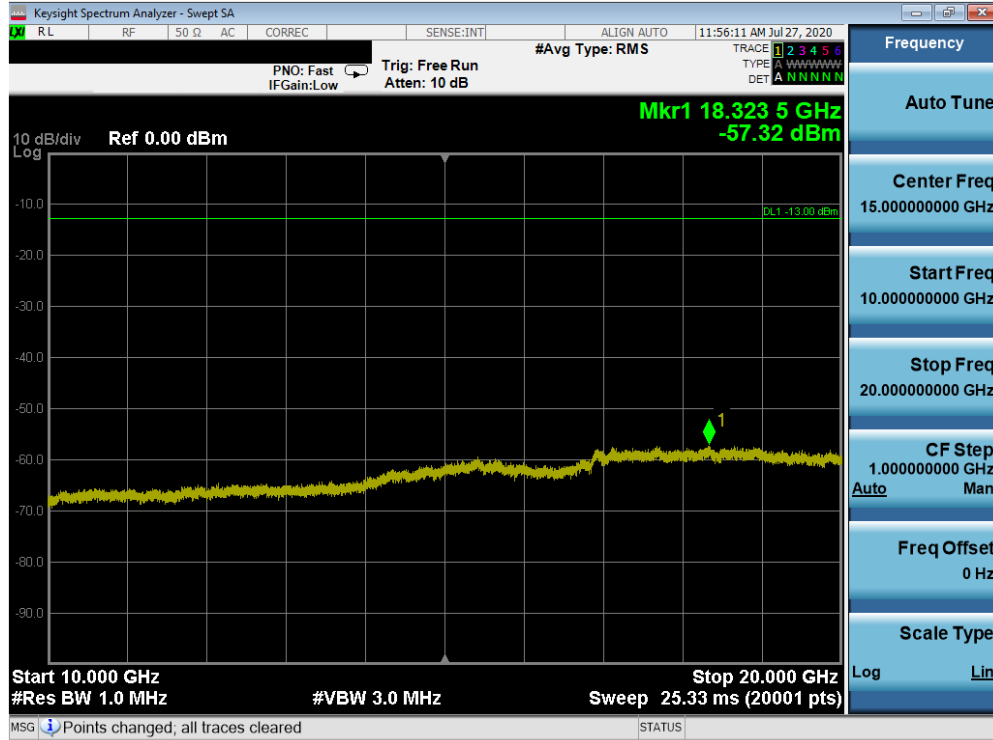


Plot 7-284. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-285. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

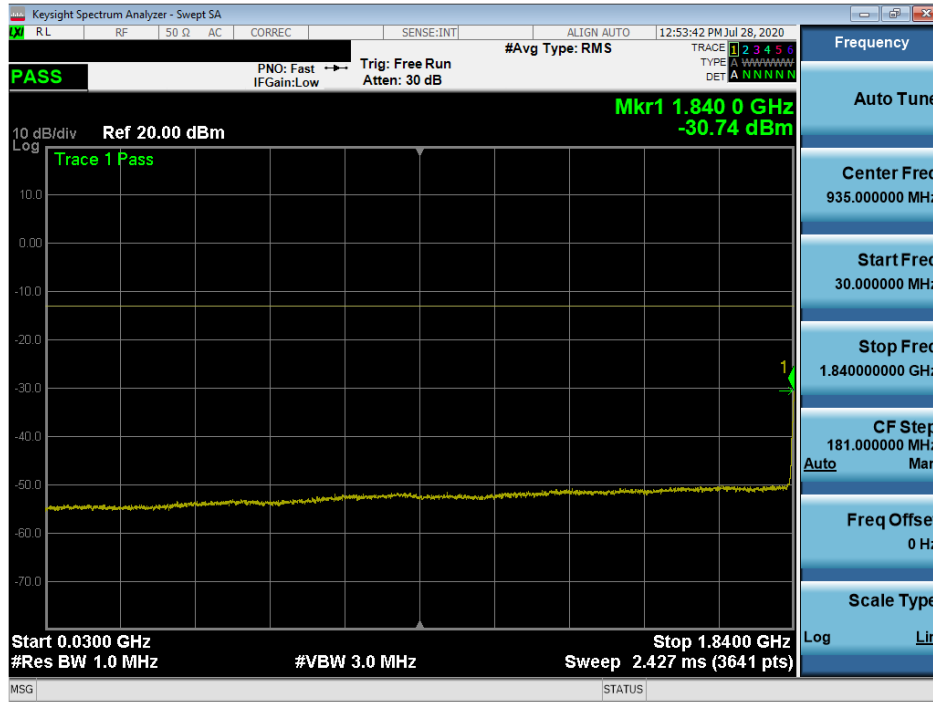
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 165 of 386



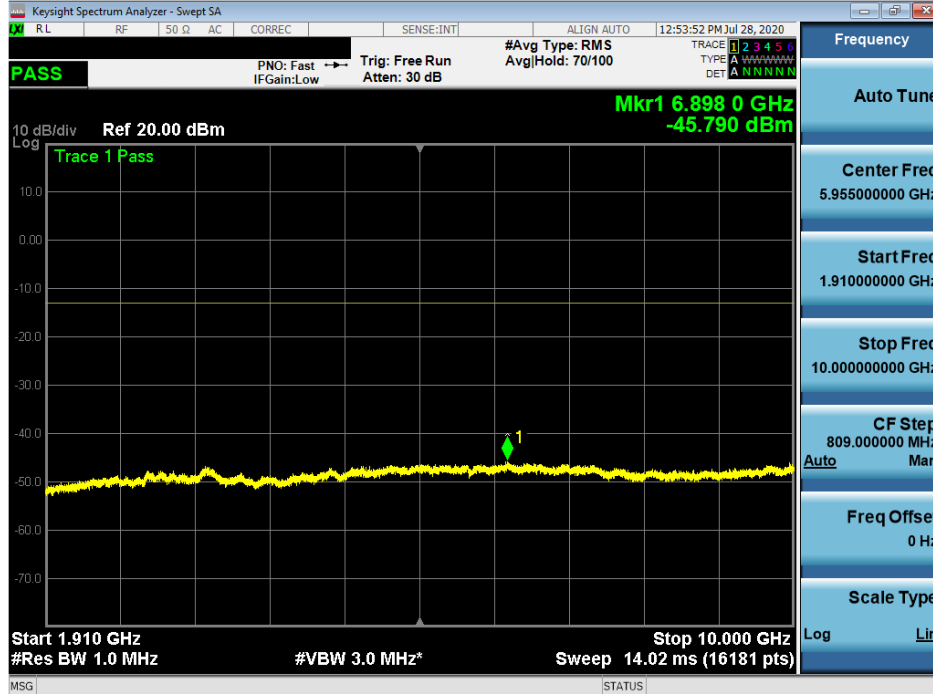
Plot 7-286. Conducted Spurious Plot (Band 25/2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 166 of 386

NR Band n25/2

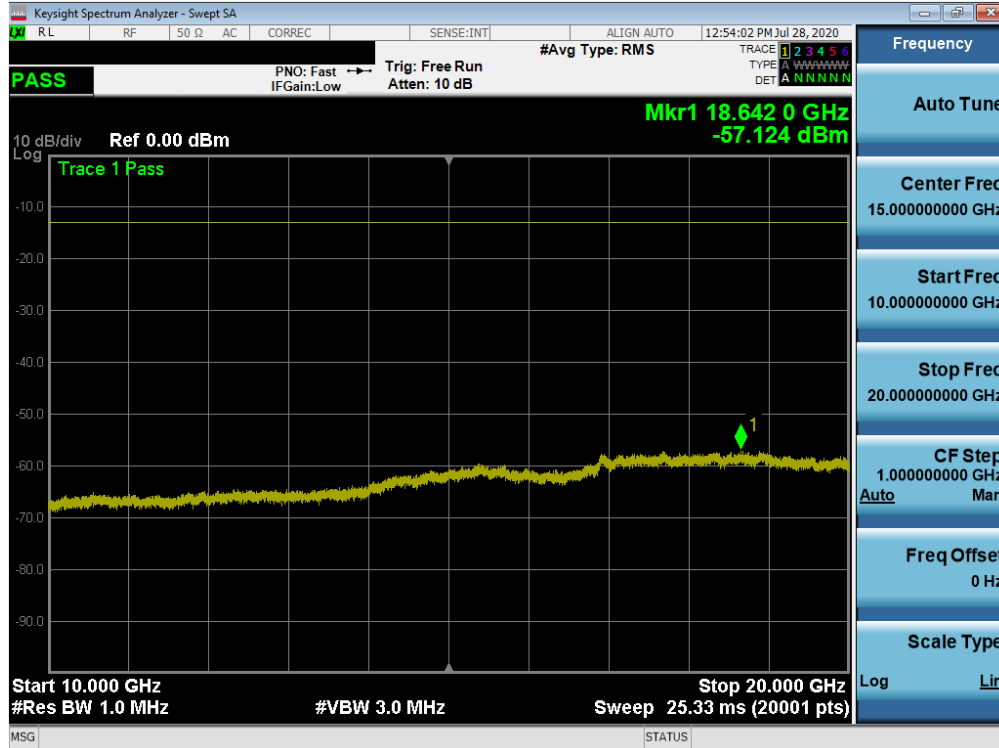


Plot 7-287. Conducted Spurious Plot (NR Band n25/2 -20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

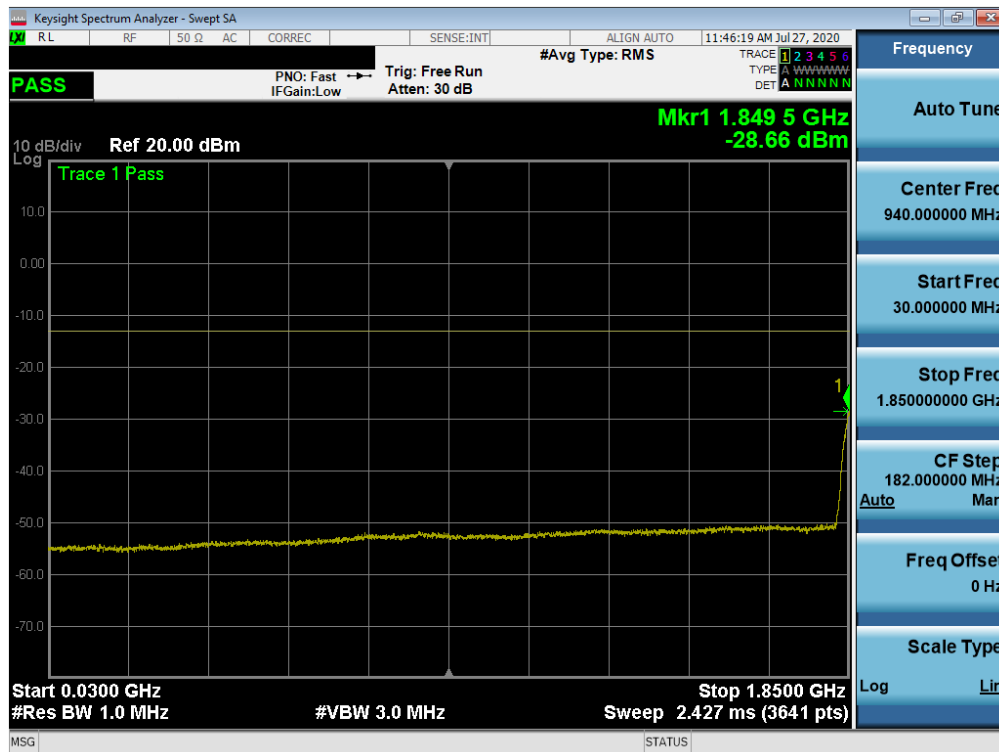


Plot 7-288. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 167 of 386

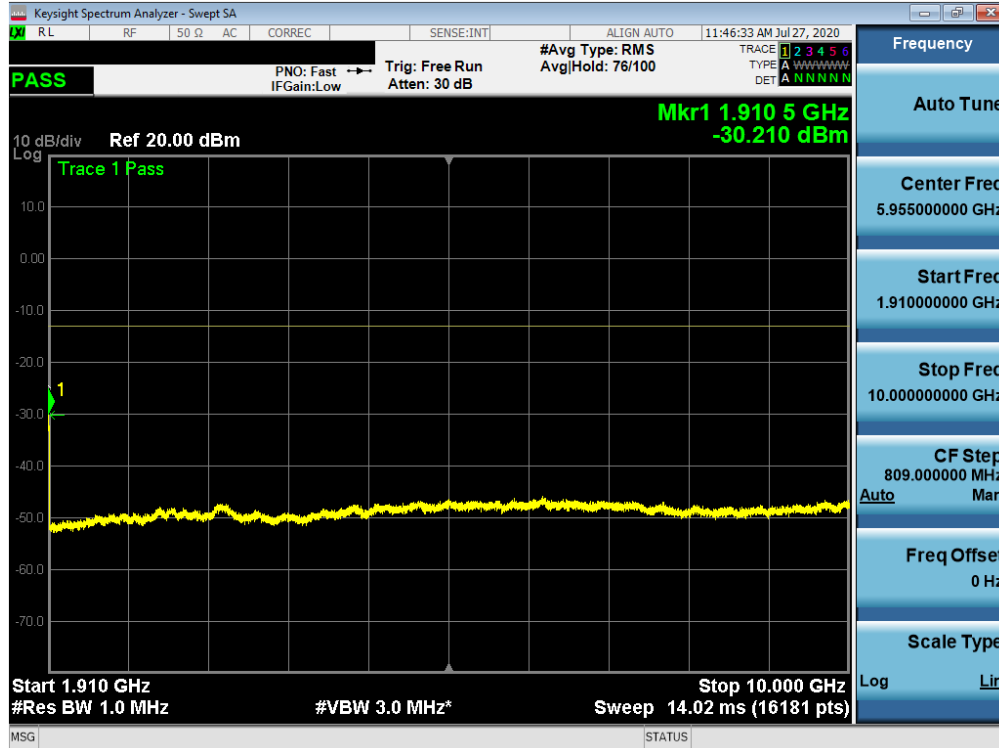


Plot 7-289. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

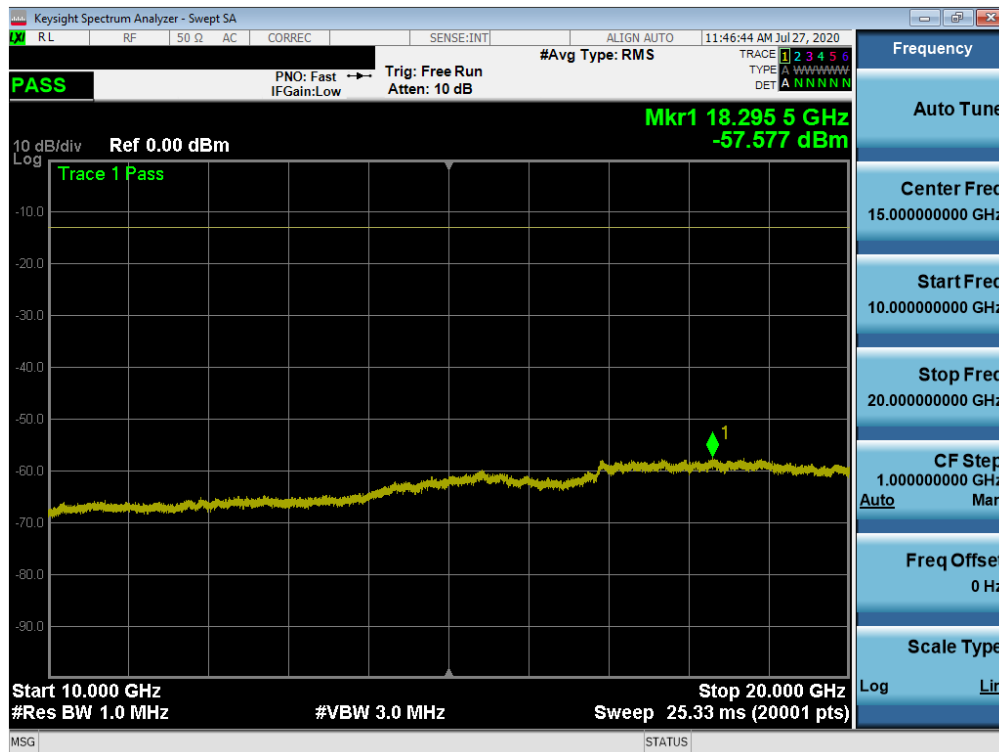


Plot 7-290. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 168 of 386

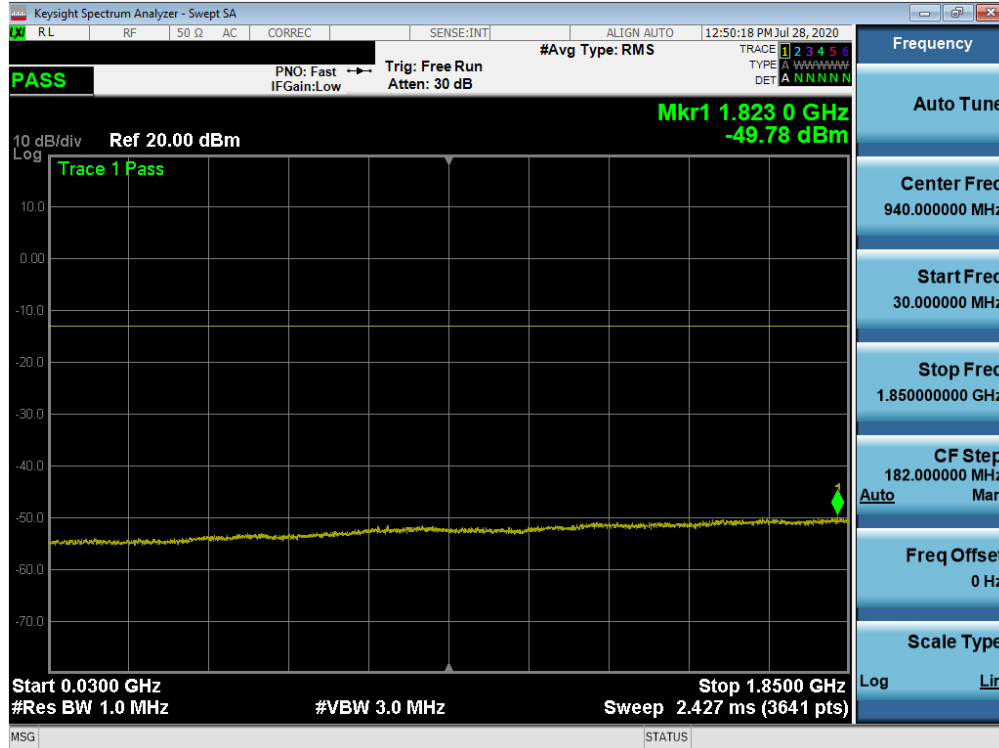


Plot 7-291. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

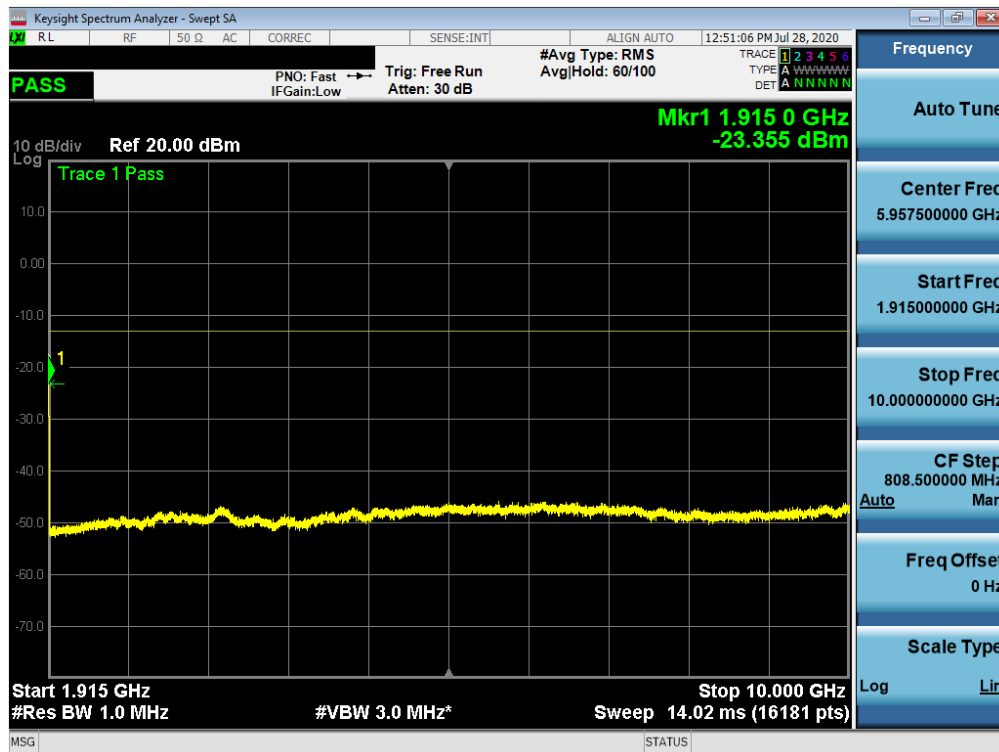


Plot 7-292. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 169 of 386

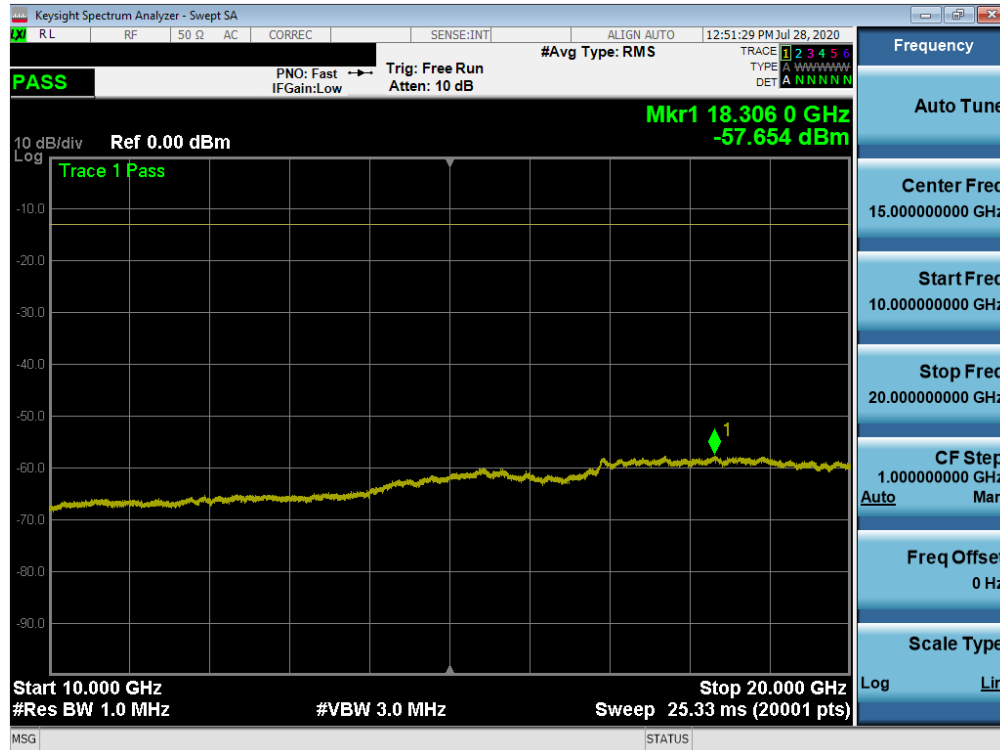


Plot 7-293. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)



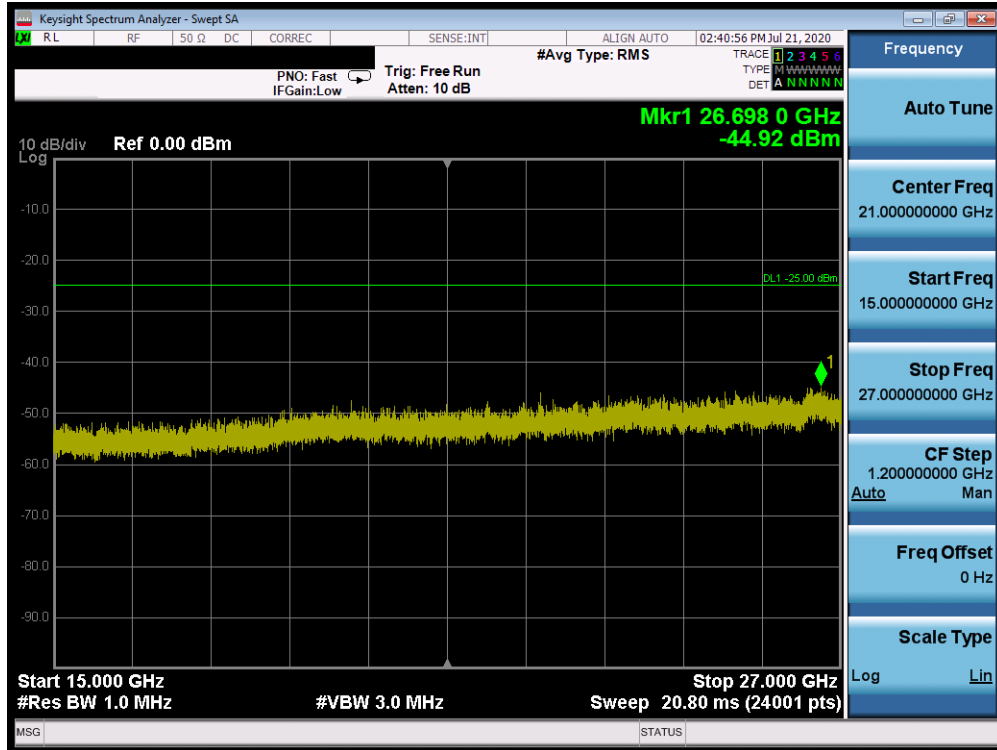
Plot 7-294. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 170 of 386

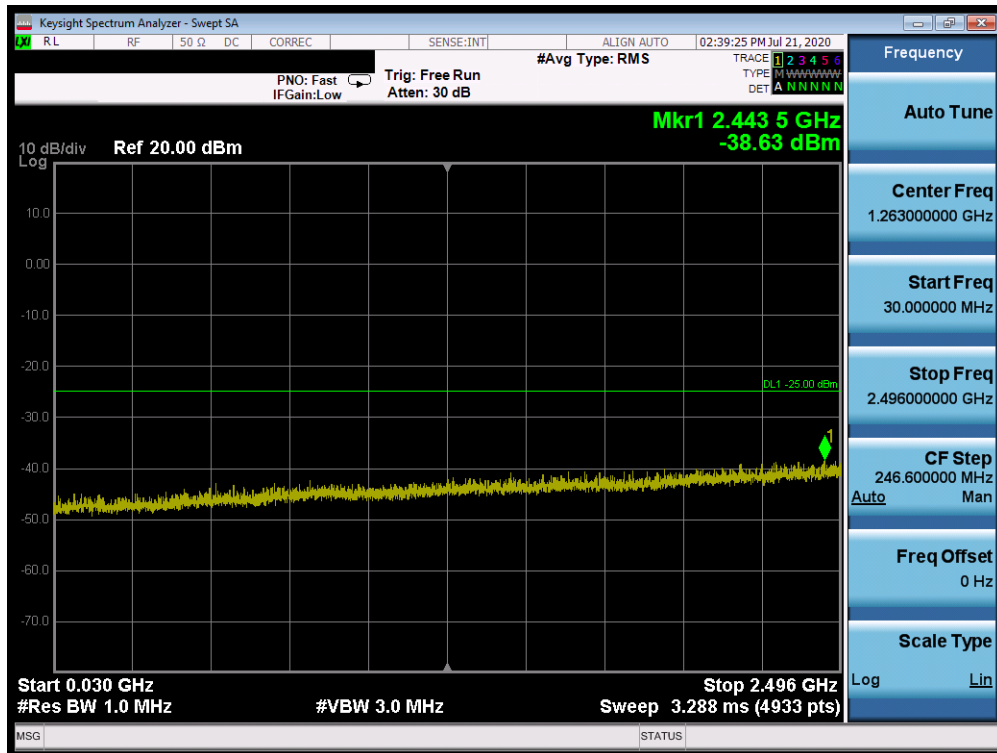


Plot 7-295. Conducted Spurious Plot (NR Band n25/2 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 171 of 386

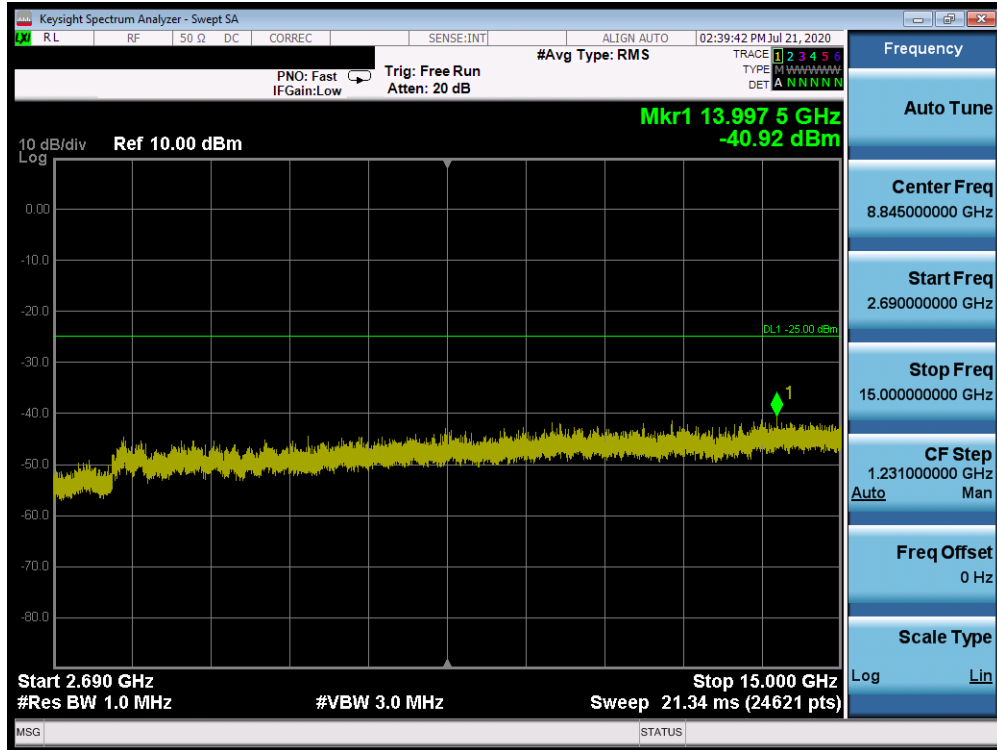


Plot 7-298. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

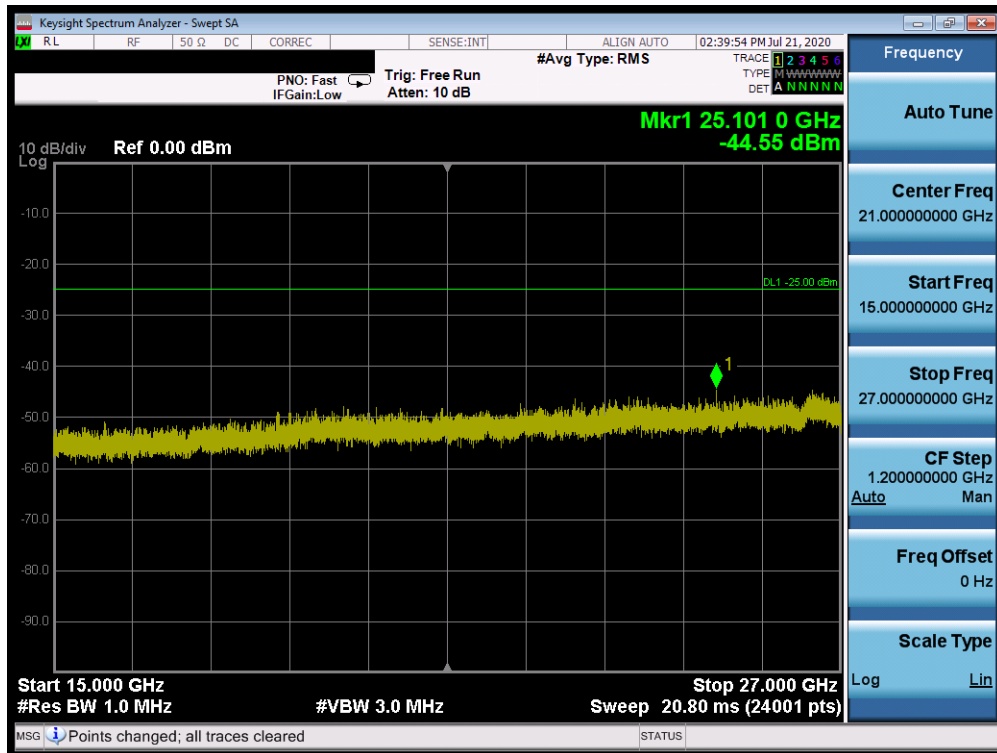


Plot 7-299. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 173 of 386

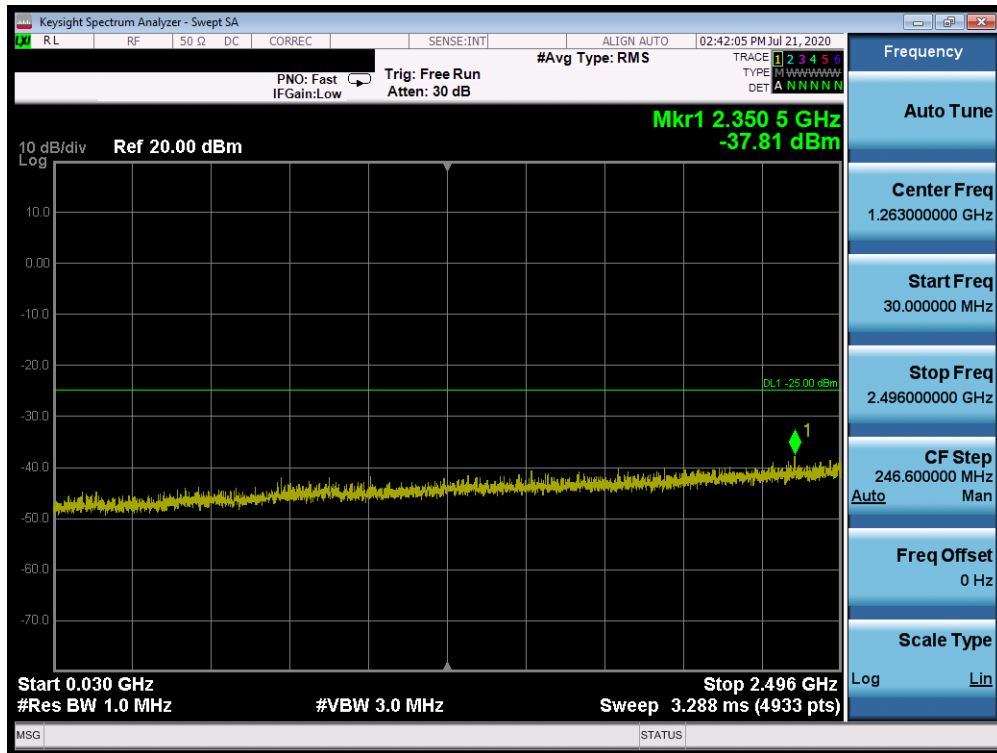


Plot 7-300. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

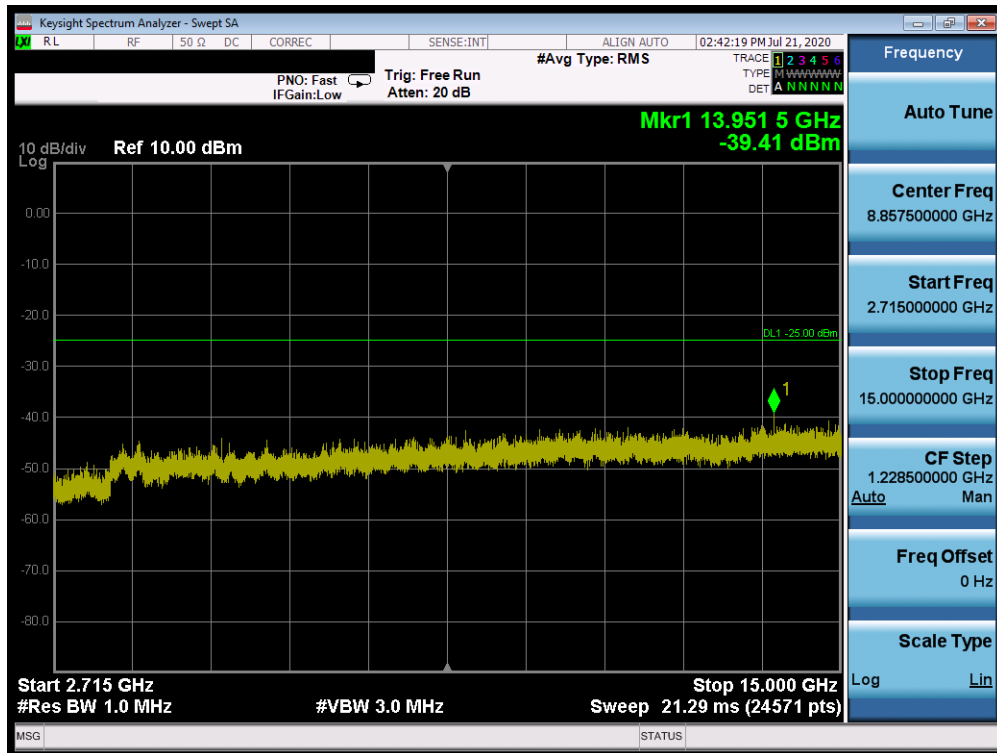


Plot 7-301. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 174 of 386

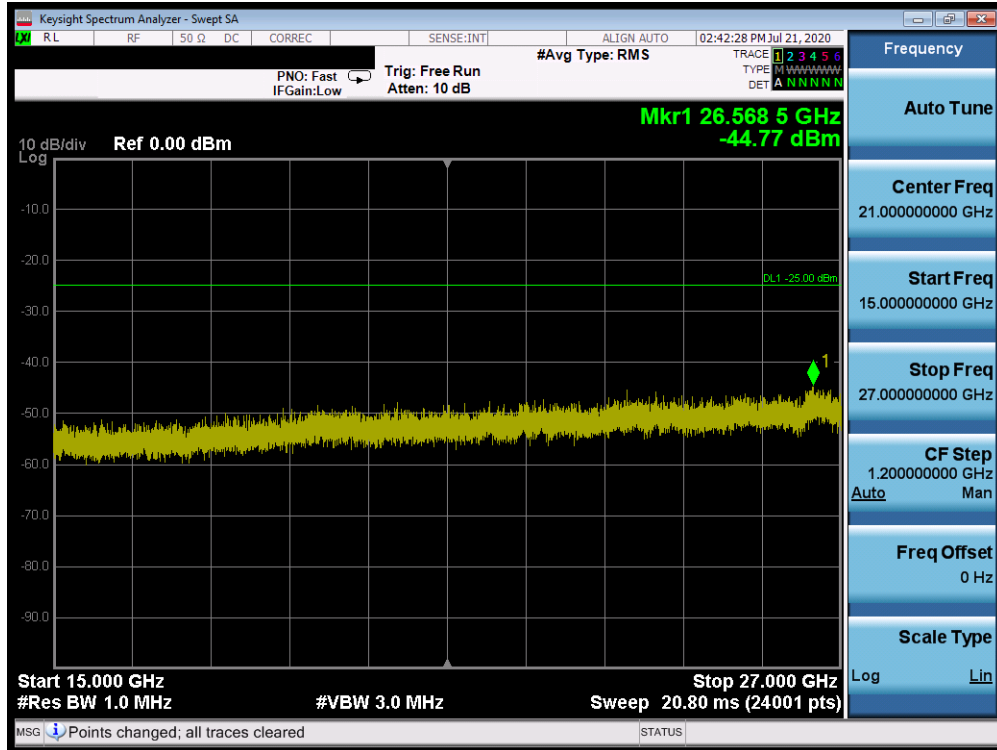


Plot 7-302. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

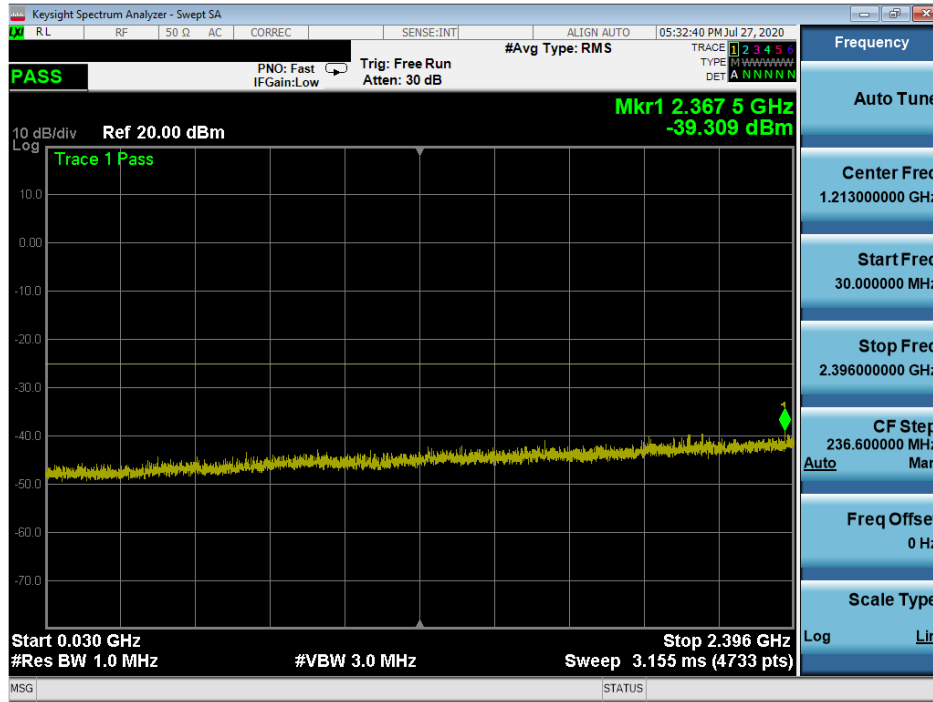


Plot 7-303. Conducted Spurious Plot (Band 41 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

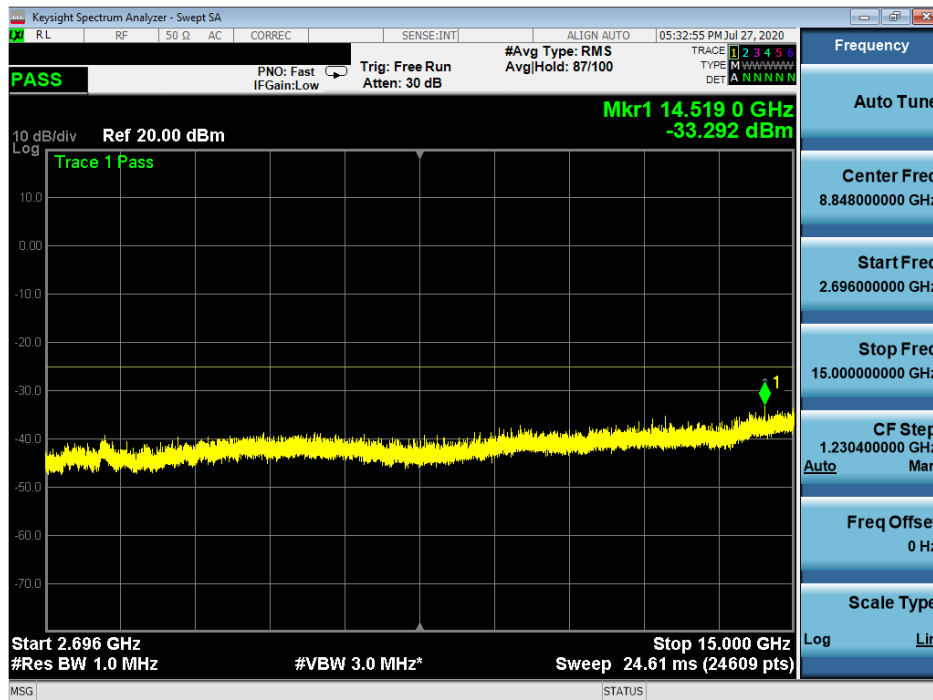
FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 175 of 386



NR Band n41

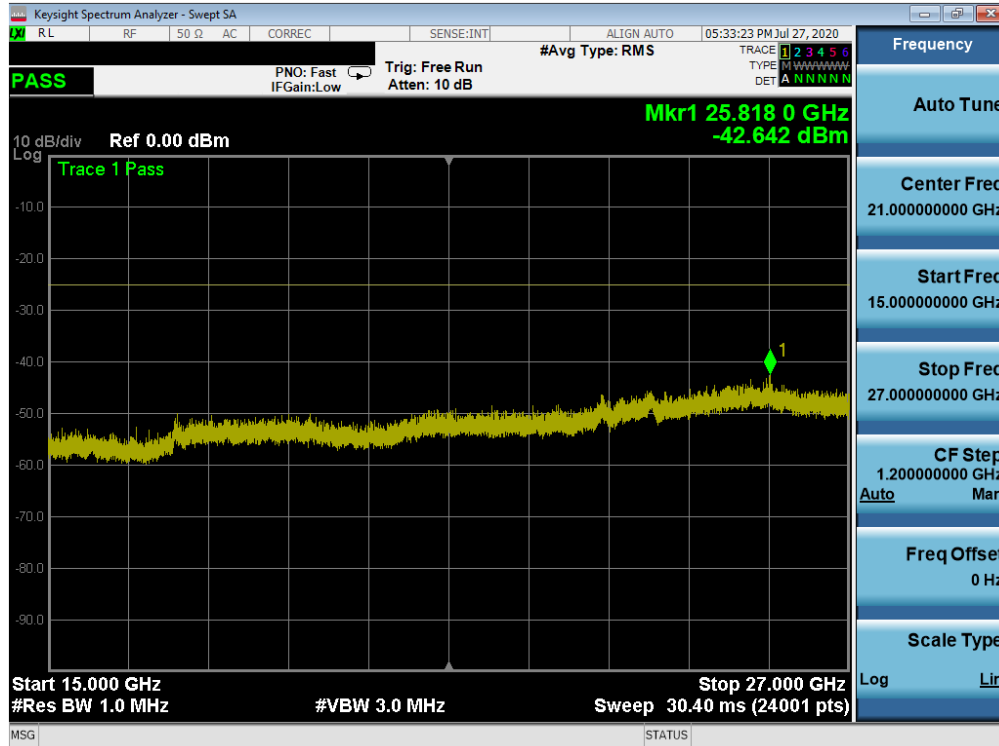


Plot 7-305. Conducted Spurious Plot (NR Band n41 -100.0MHz - RB Size 1, RB Offset 0 - Low Channel)

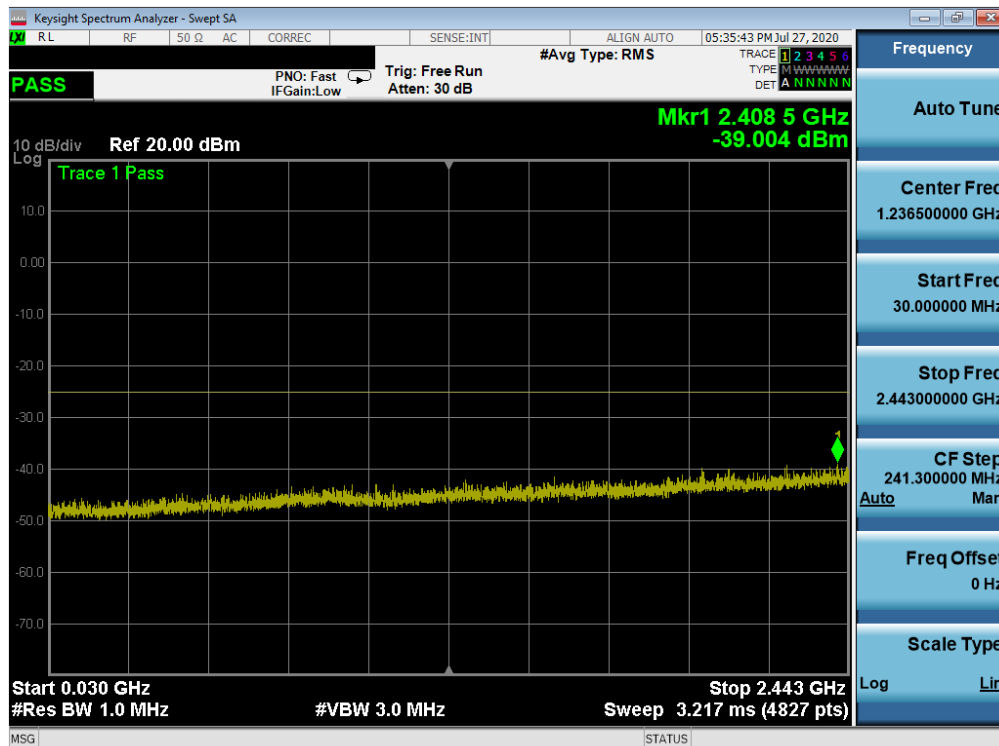


Plot 7-306. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 177 of 386

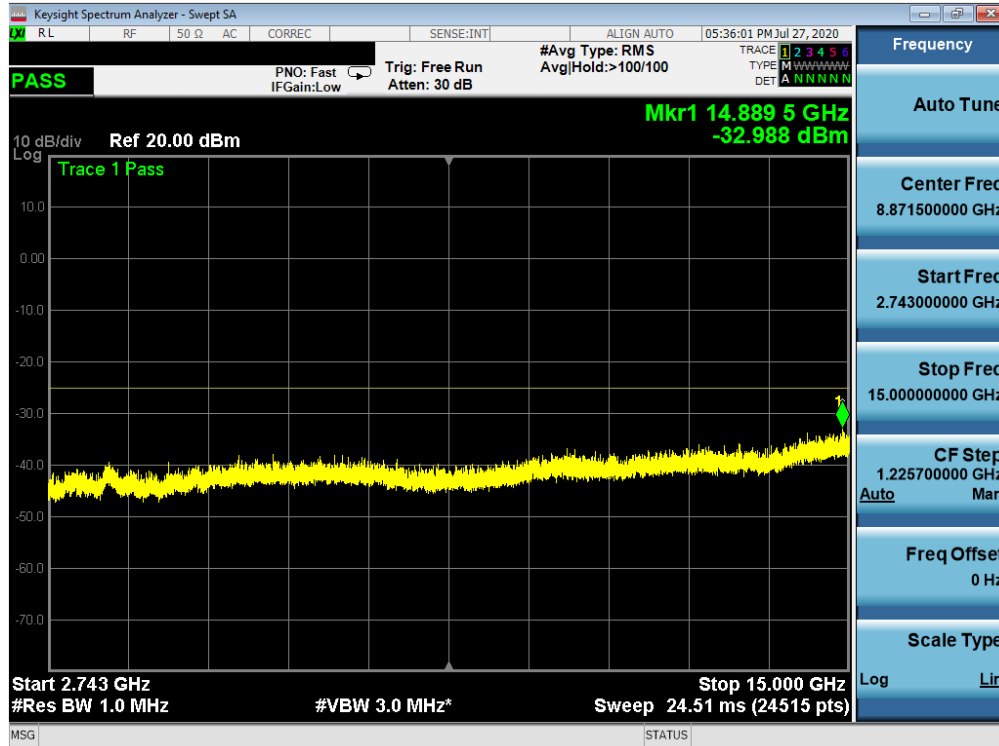


Plot 7-307. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Low Channel)

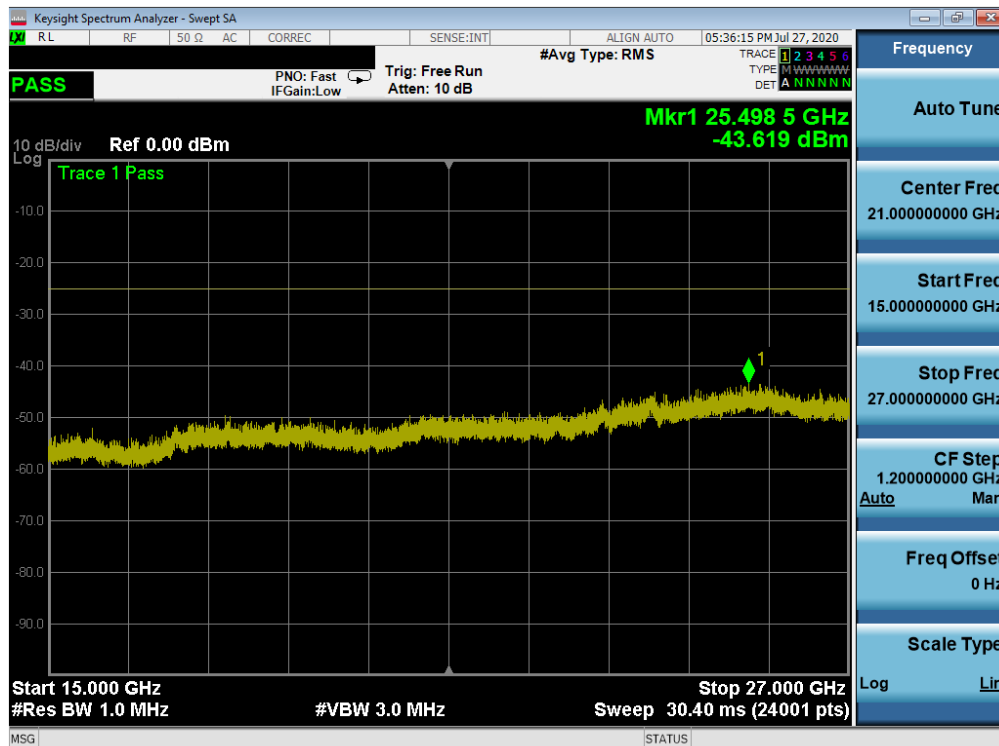


Plot 7-308. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 178 of 386

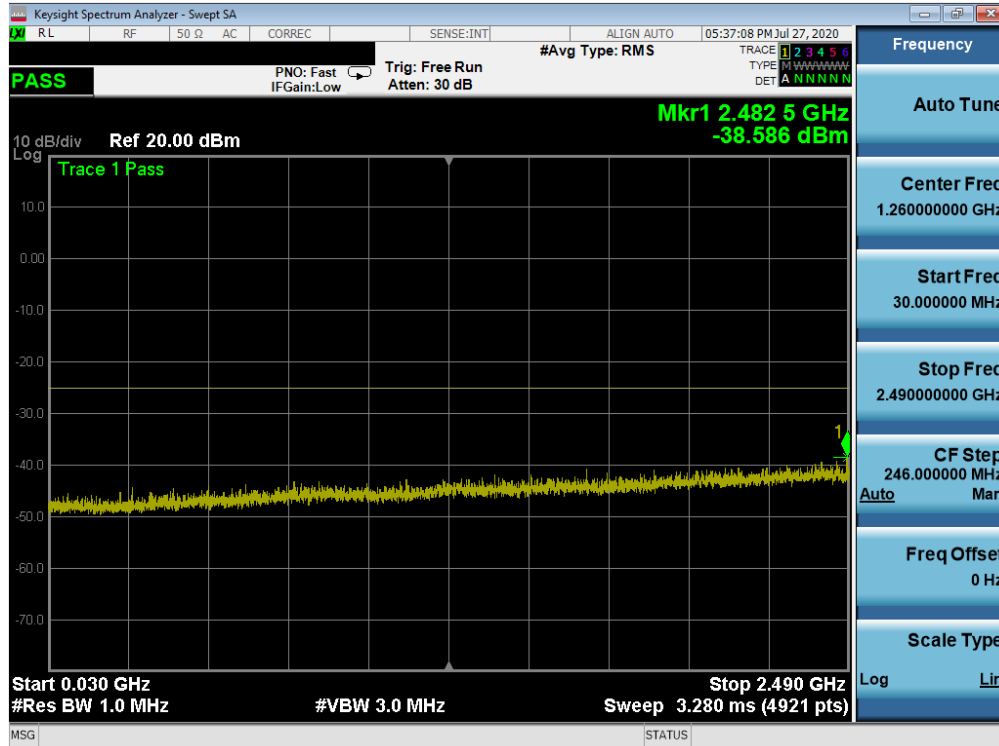


Plot 7-309. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

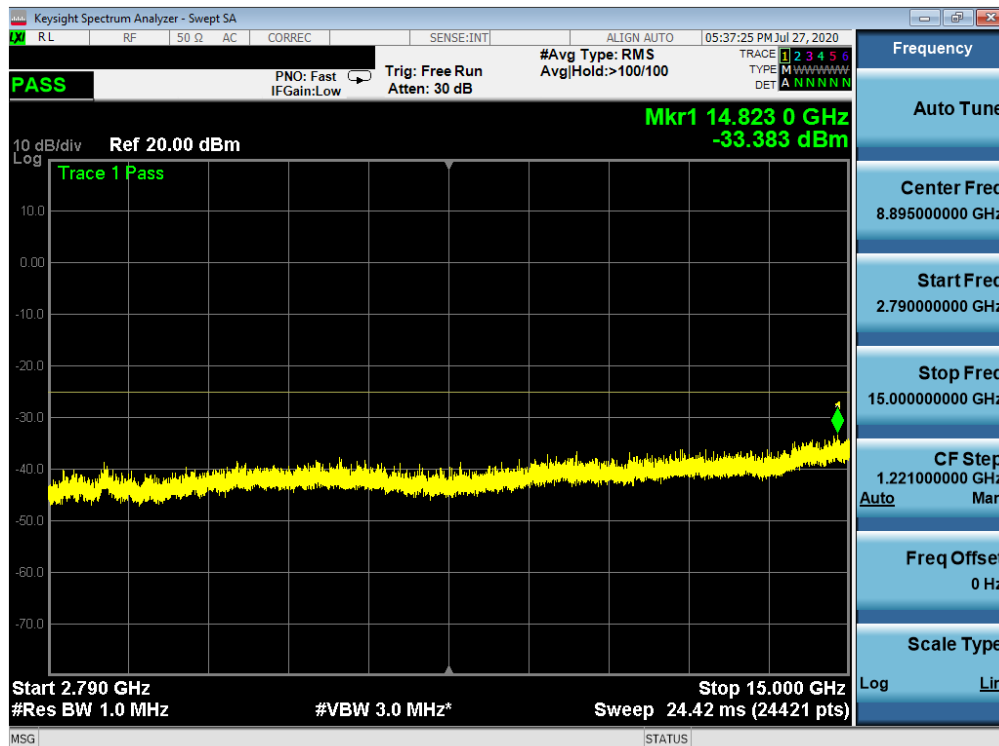


Plot 7-310. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 179 of 386

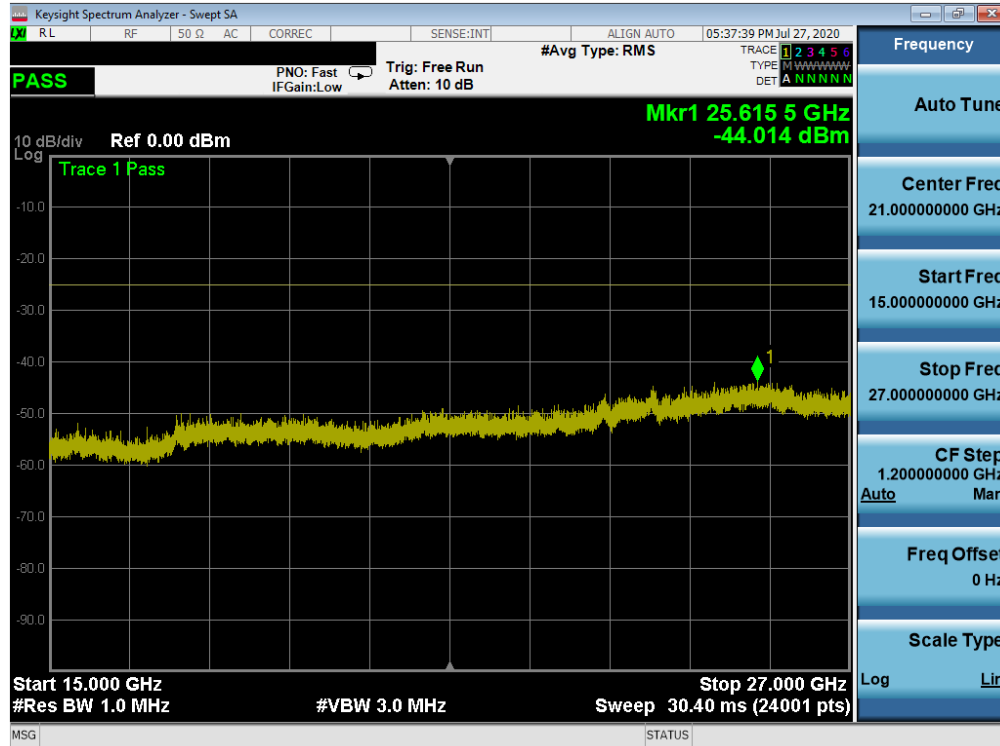


Plot 7-311. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-312. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 180 of 386



Plot 7-313. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 181 of 386