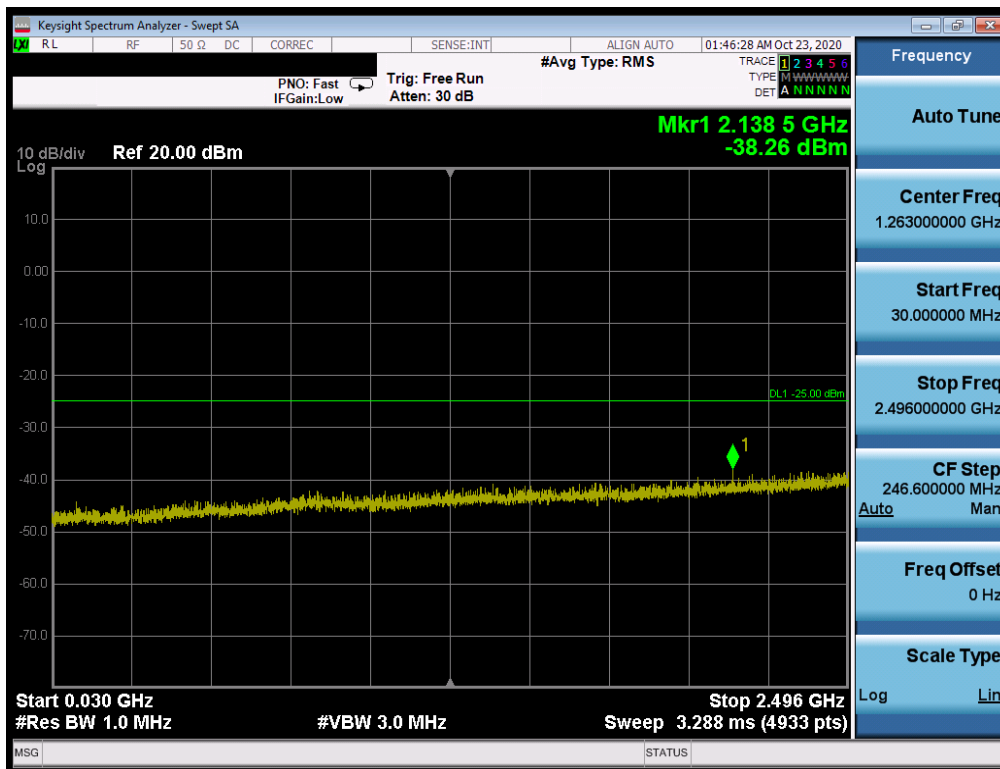
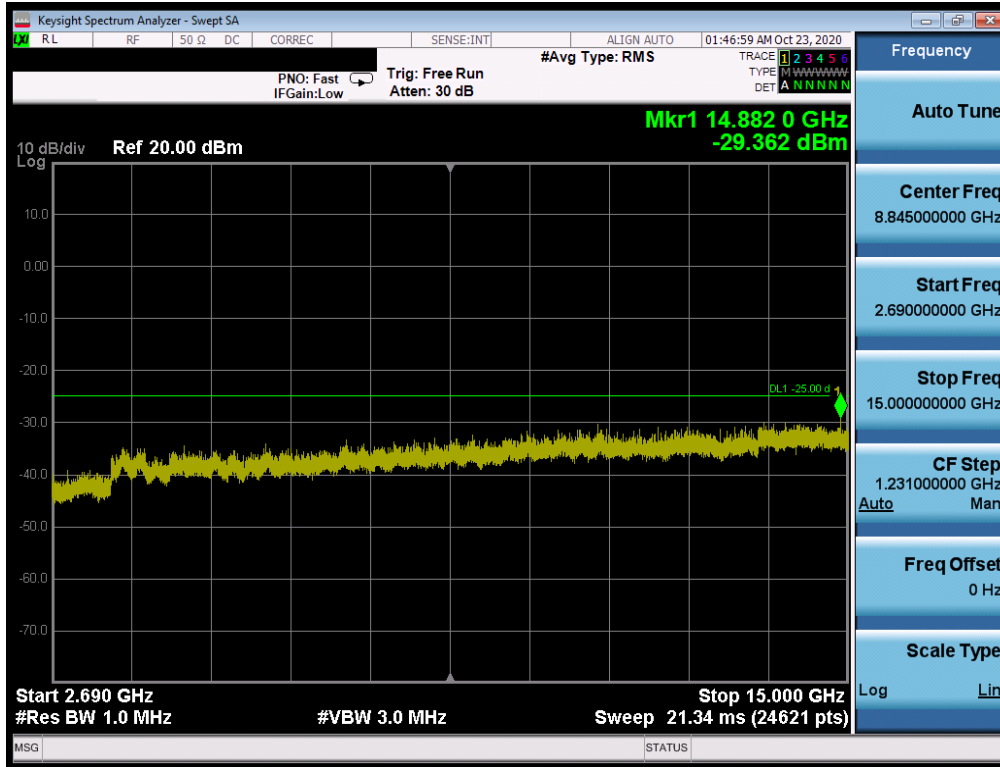


Plot 7-211. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

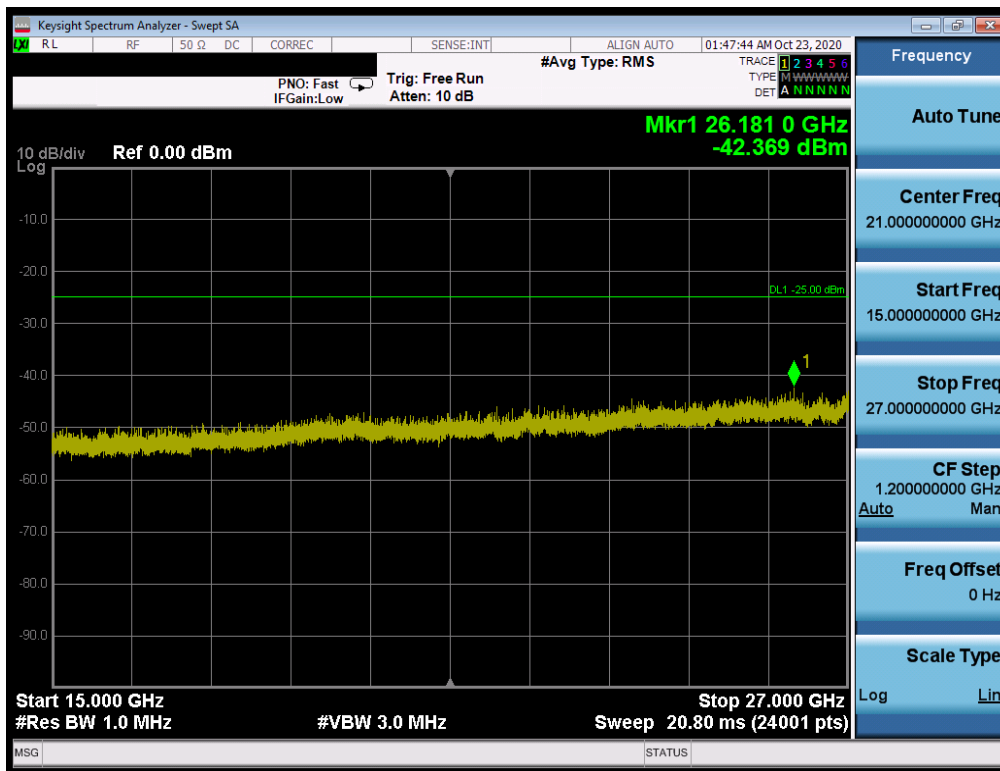


Plot 7-212. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 129 of 242

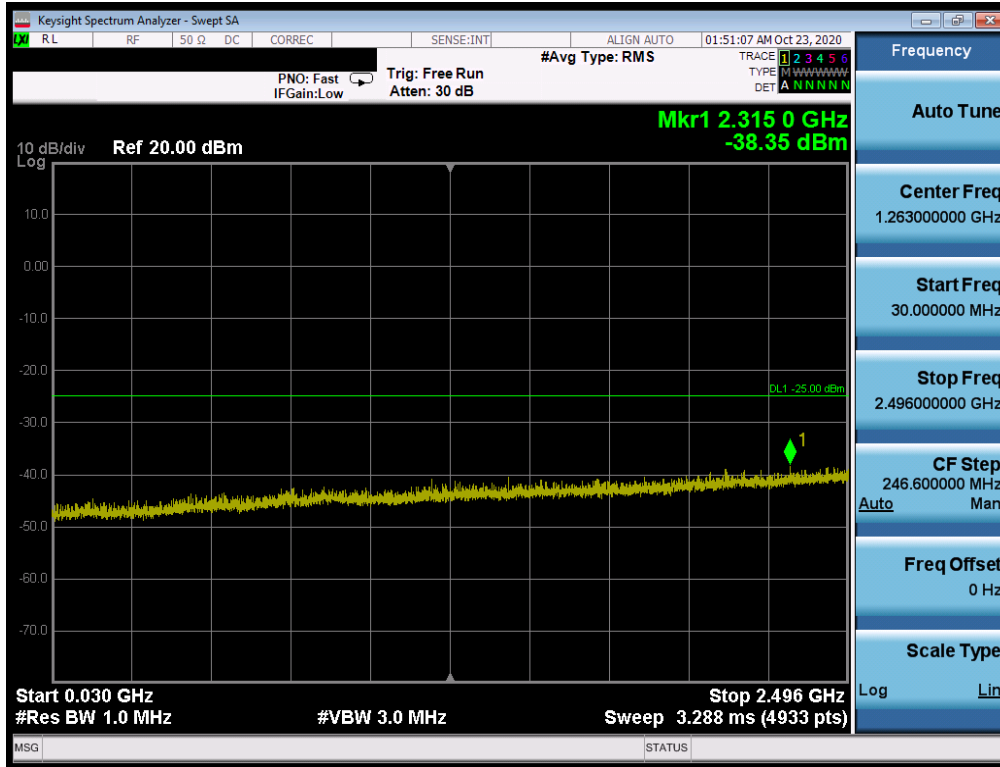


Plot 7-213. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

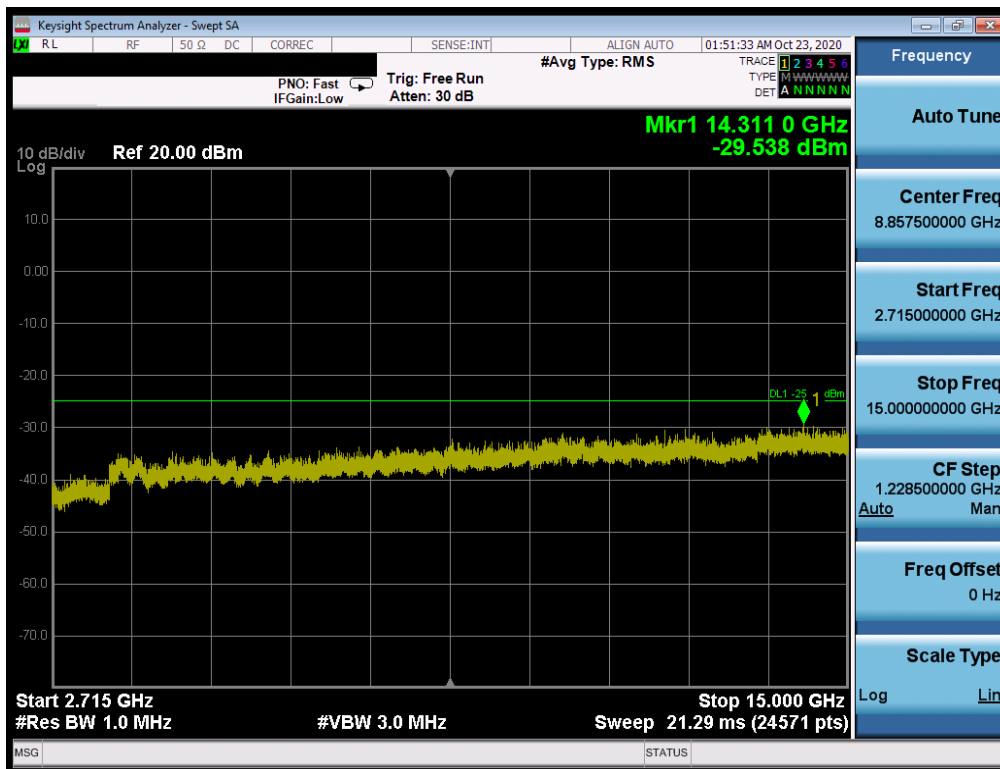


Plot 7-214. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 130 of 242

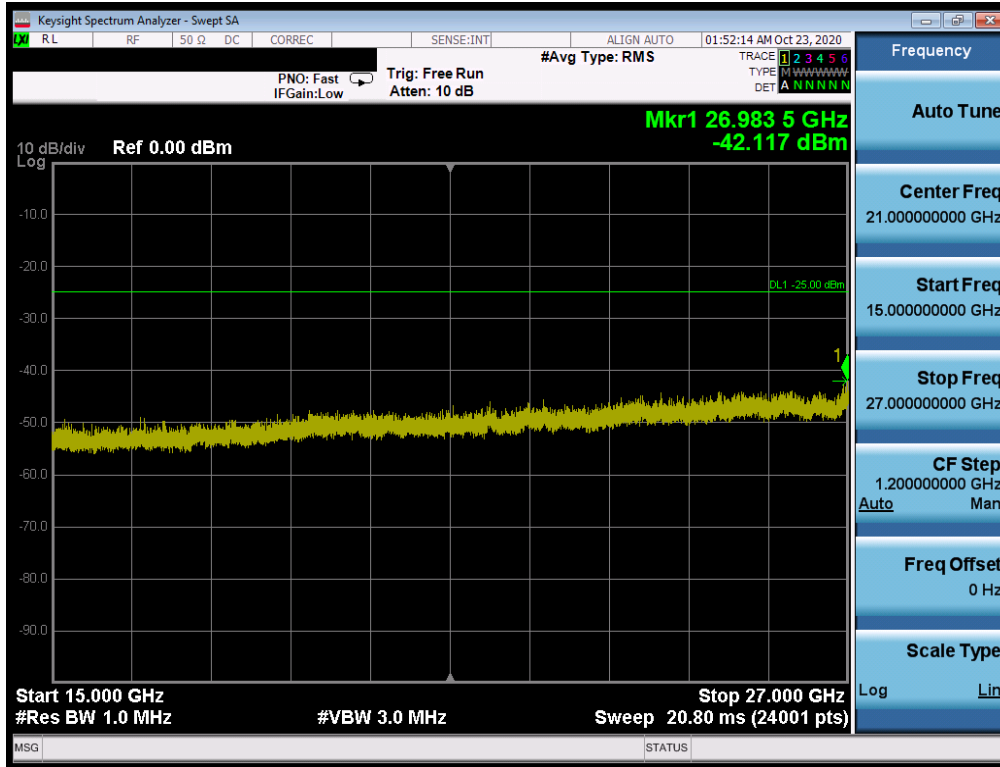


Plot 7-215. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-216. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

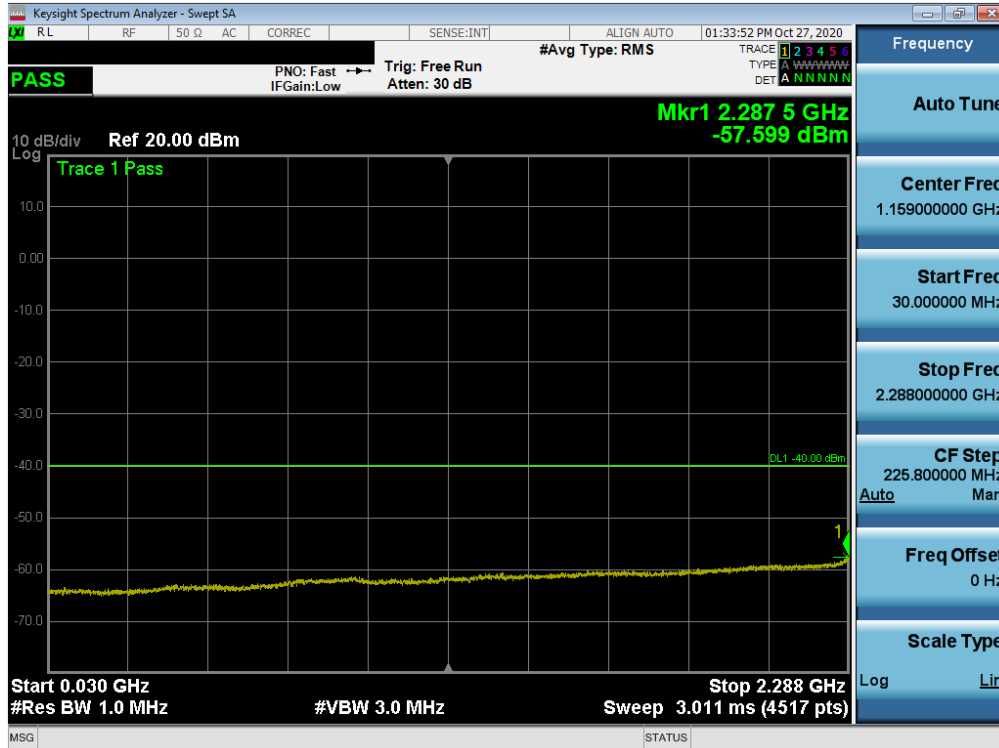
FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 131 of 242



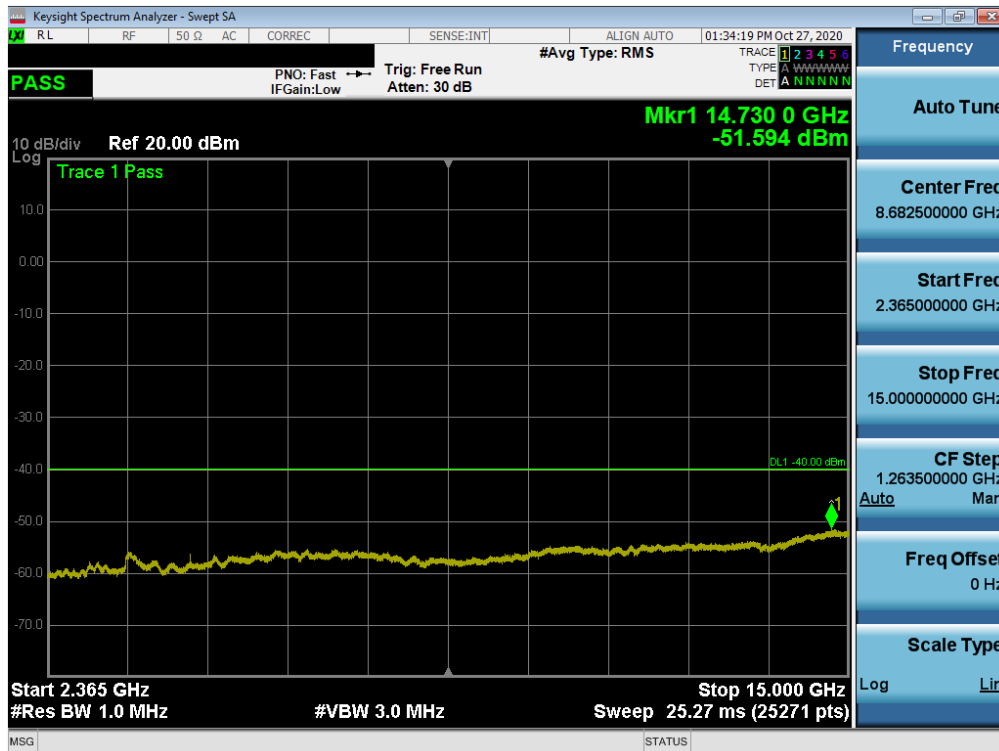
Plot 7-217. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 132 of 242

NR Band n30



Plot 7-218. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0)



Plot 7-219. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0)

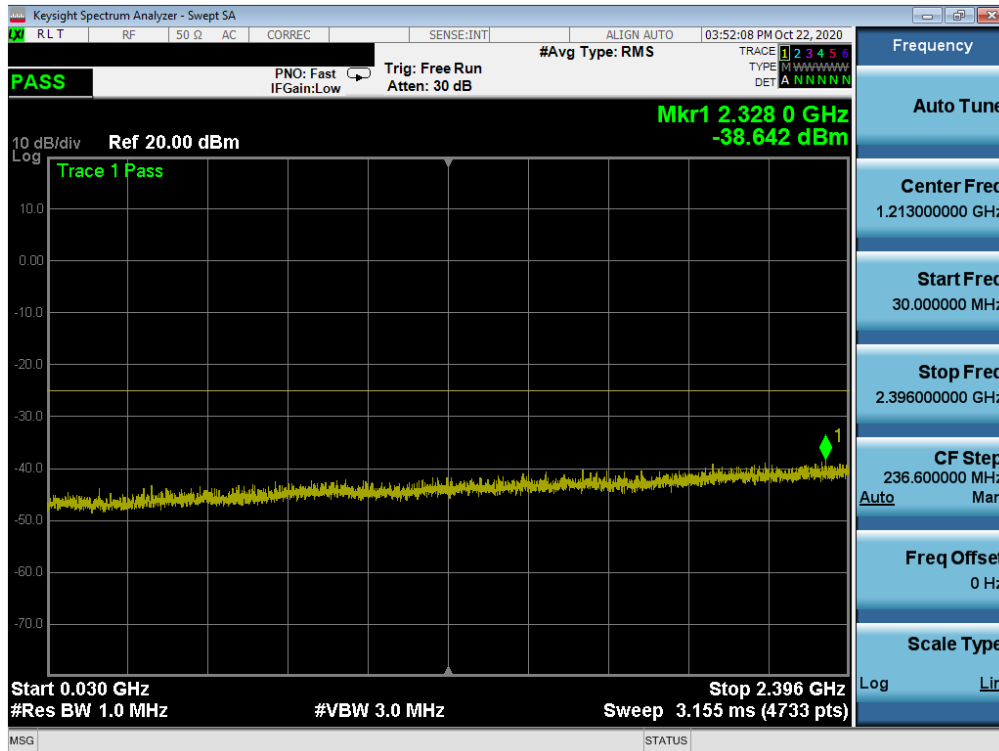
FCC ID: A3LSMG996U	PCTEST <small>Proud to be part of element</small>	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 133 of 242



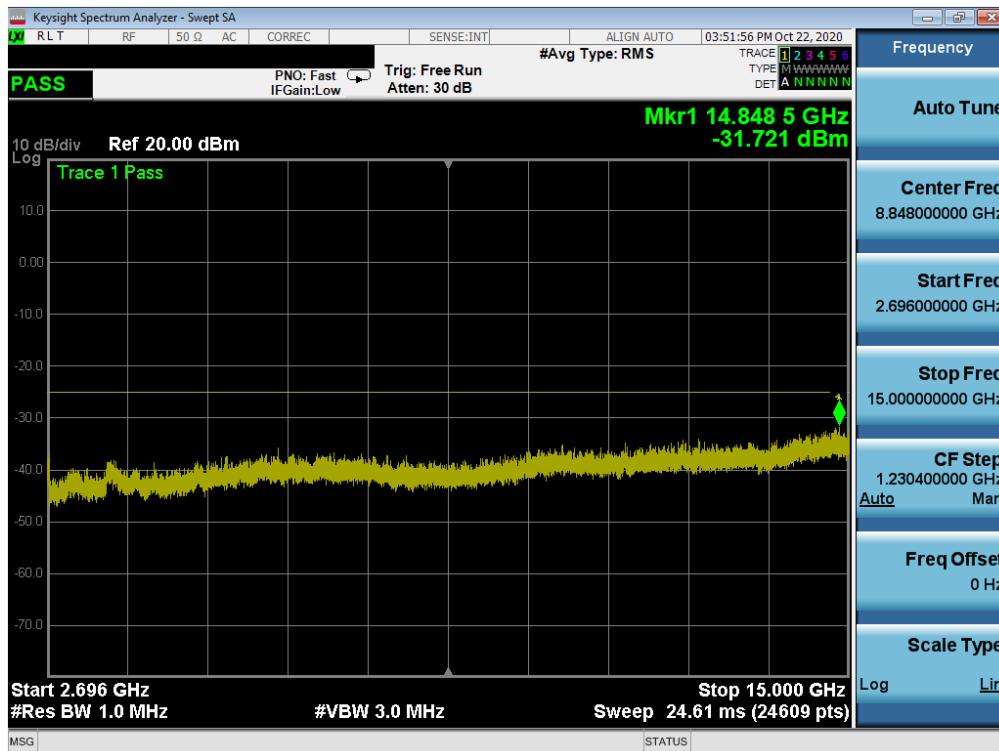
Plot 7-220. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 134 of 242

NR Band n41

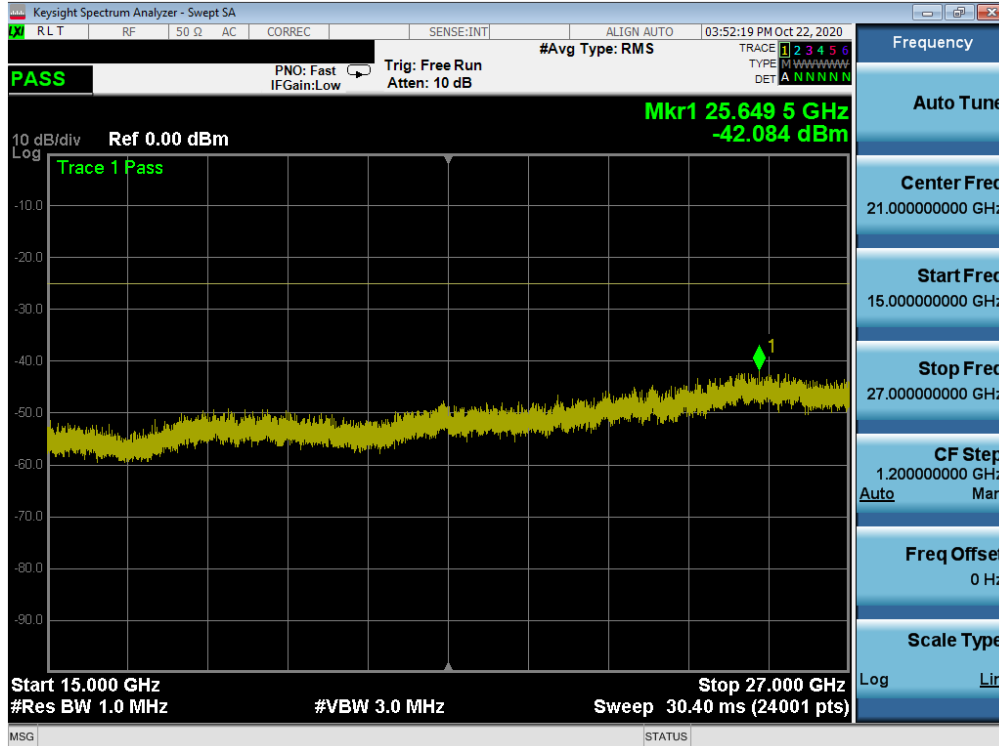


Plot 7-221. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

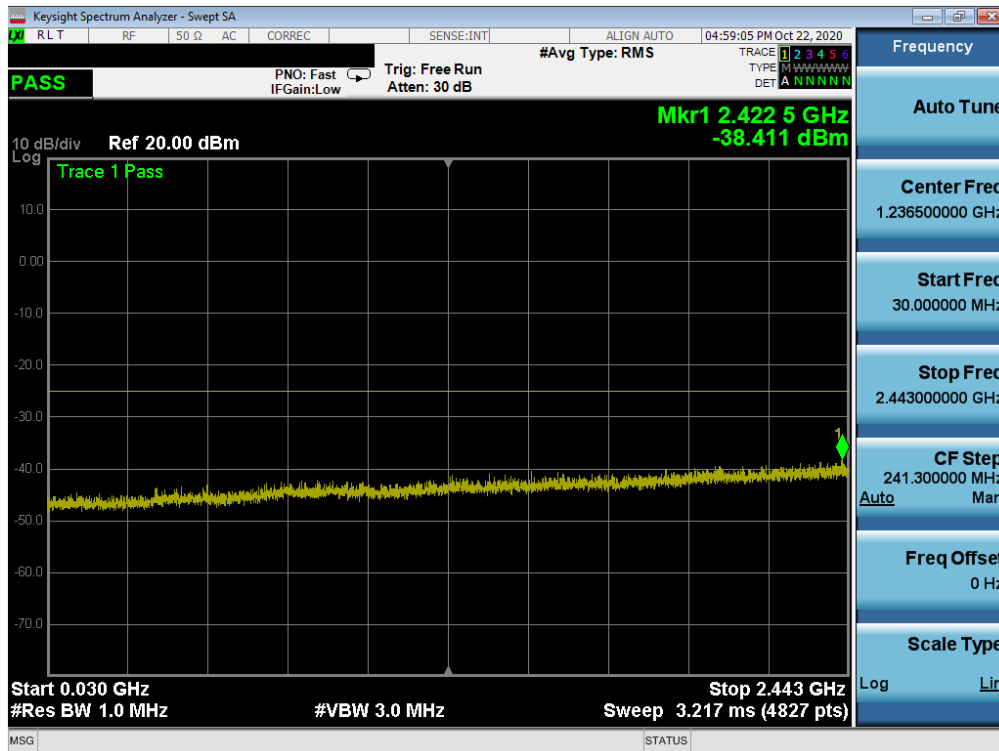


Plot 7-222. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMG996U	PCTEST <small>Proud to be part of element</small>	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 135 of 242

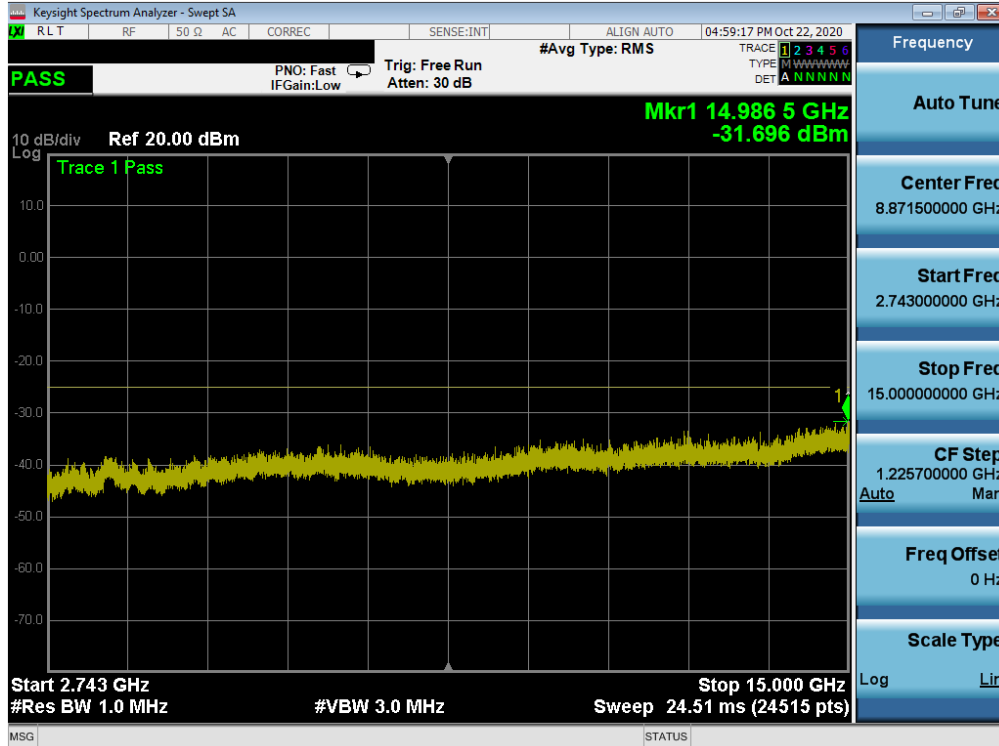


Plot 7-223. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

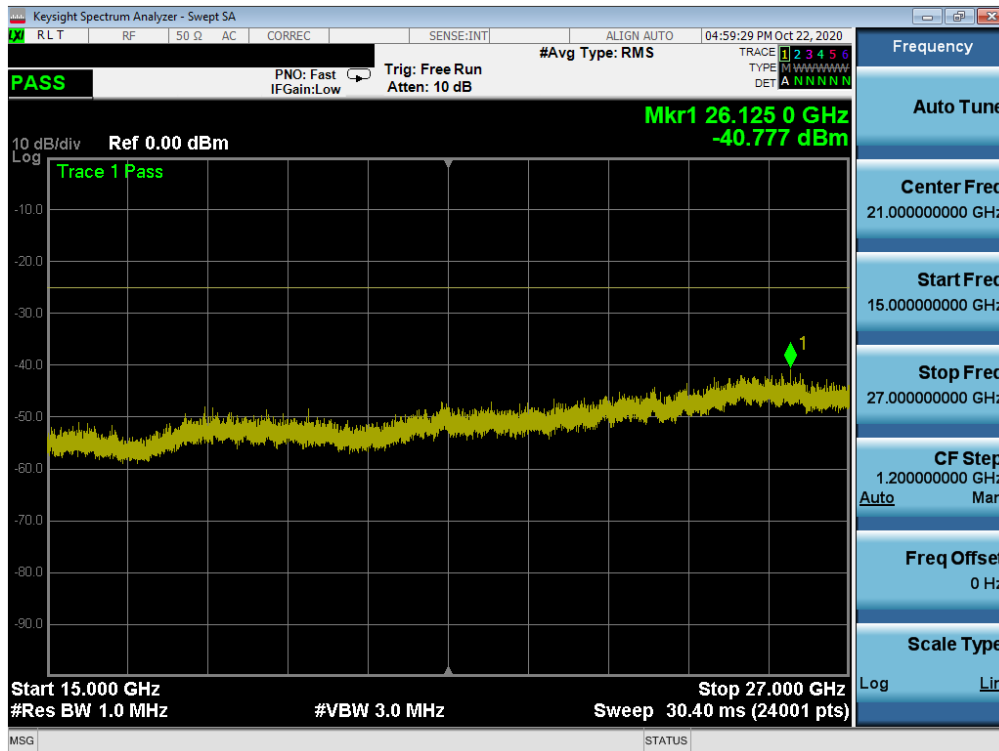


Plot 7-224. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 136 of 242

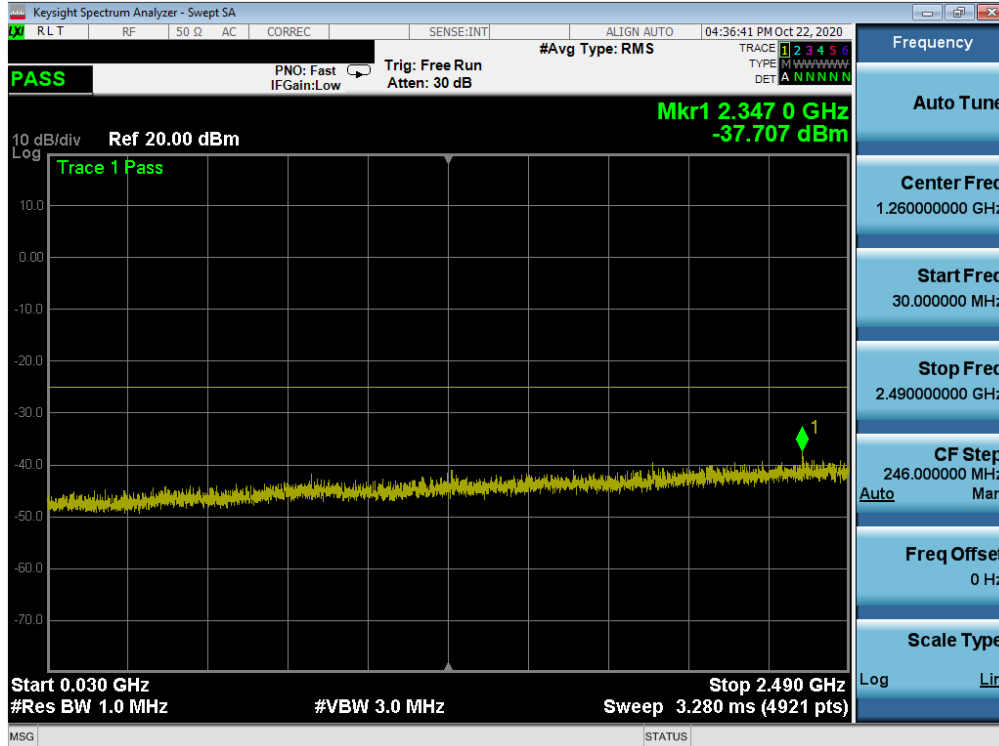


Plot 7-225. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

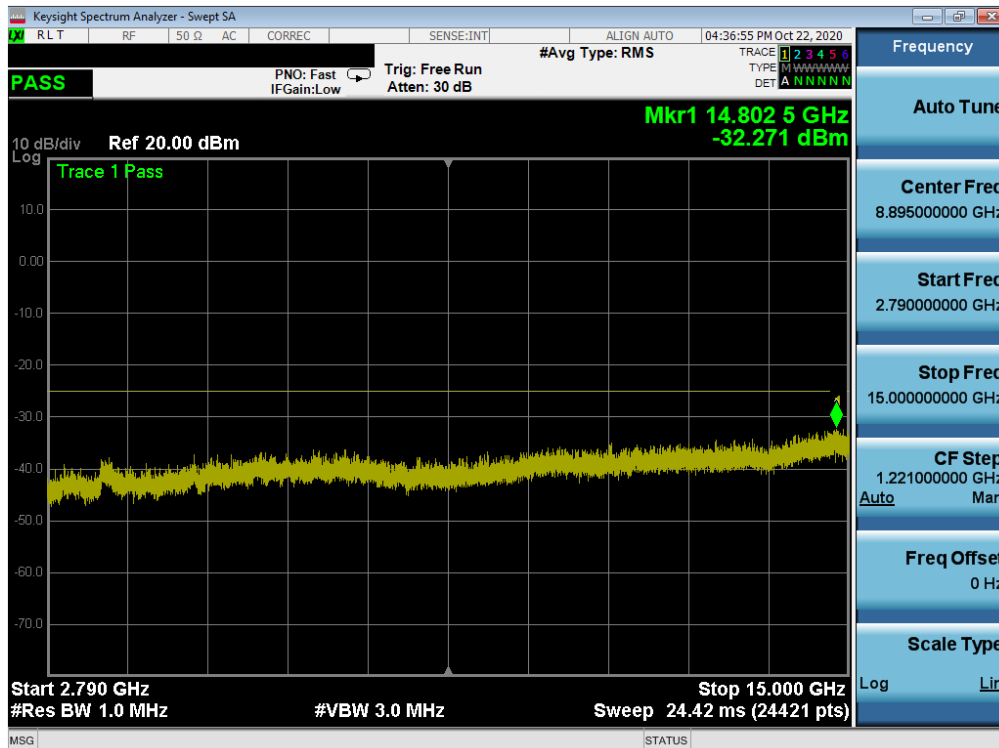


Plot 7-226. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 137 of 242

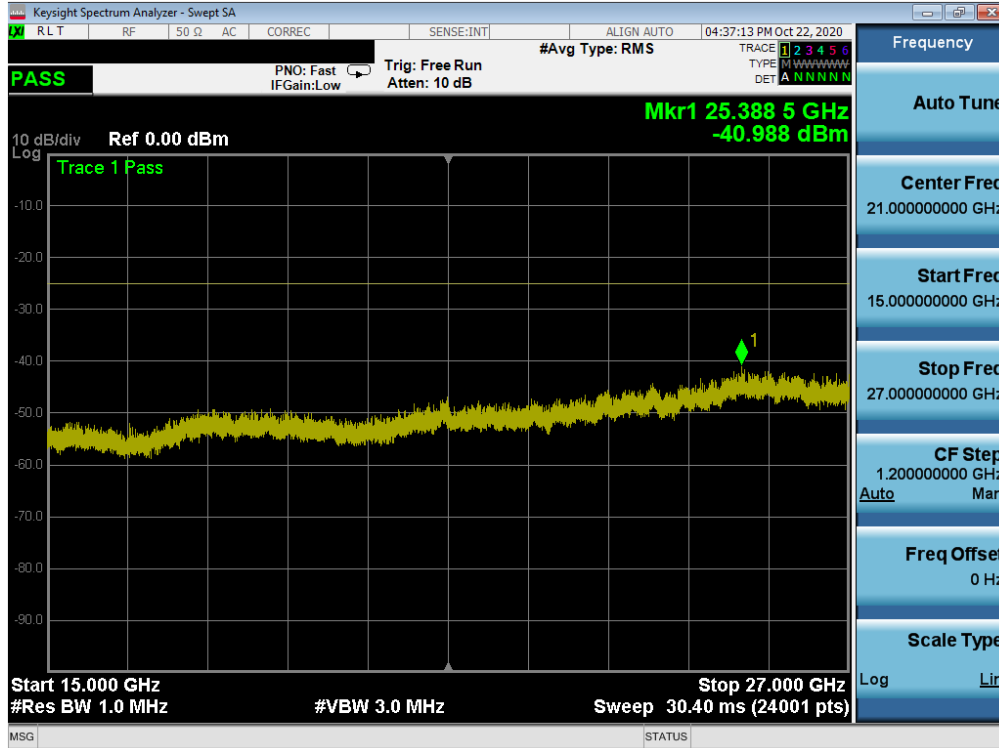


Plot 7-227. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-228. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

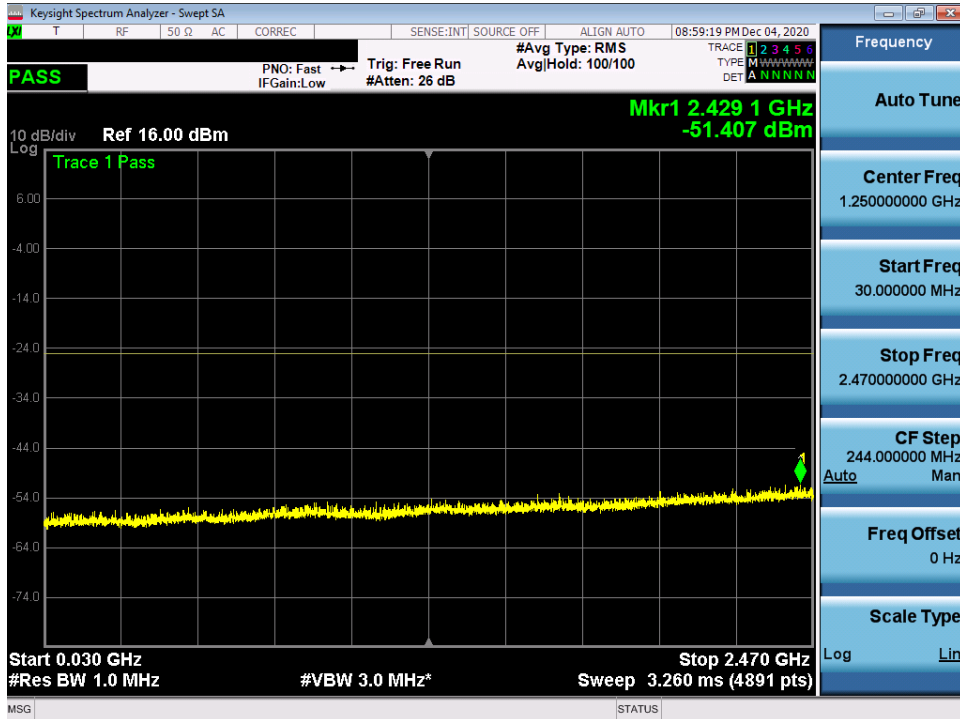
FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 138 of 242



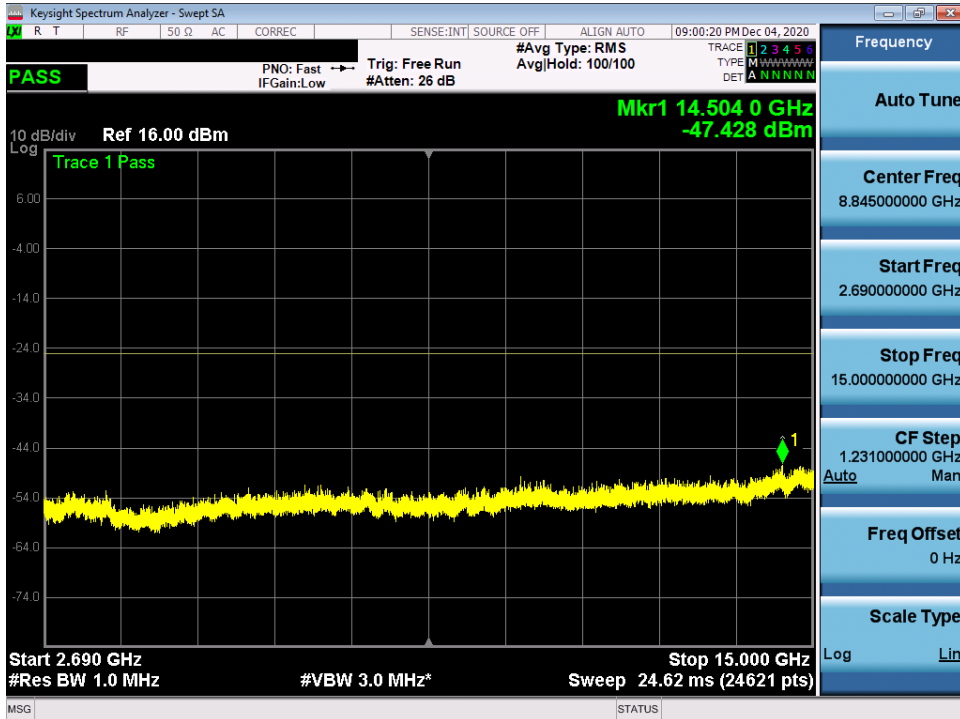
Plot 7-229. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 139 of 242

NR Band n41 PC3 – Antenna B

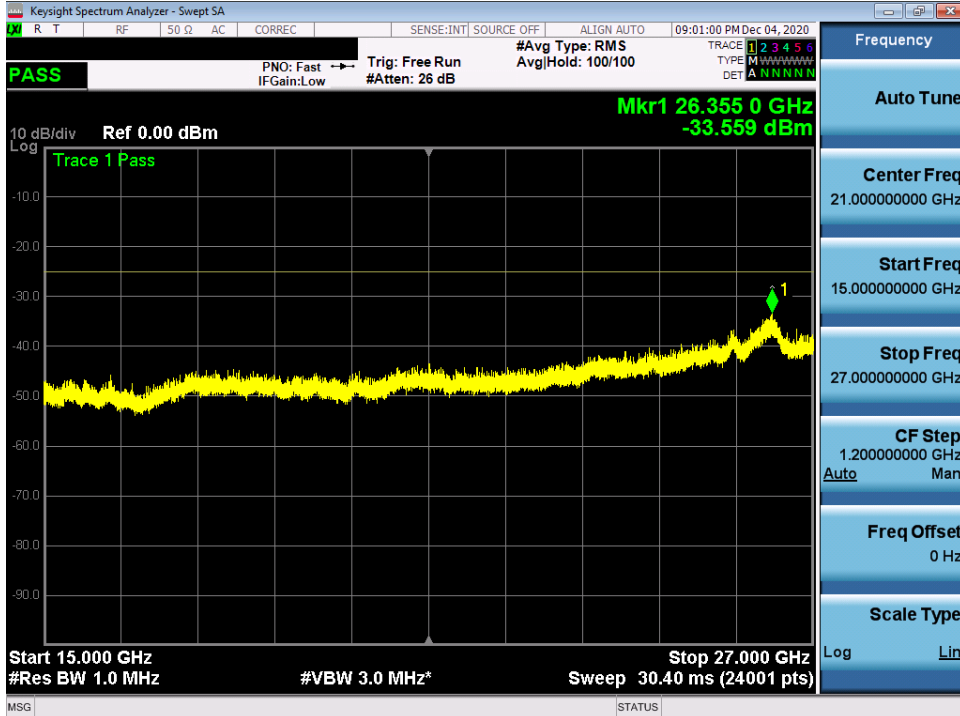


Plot 7-230. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

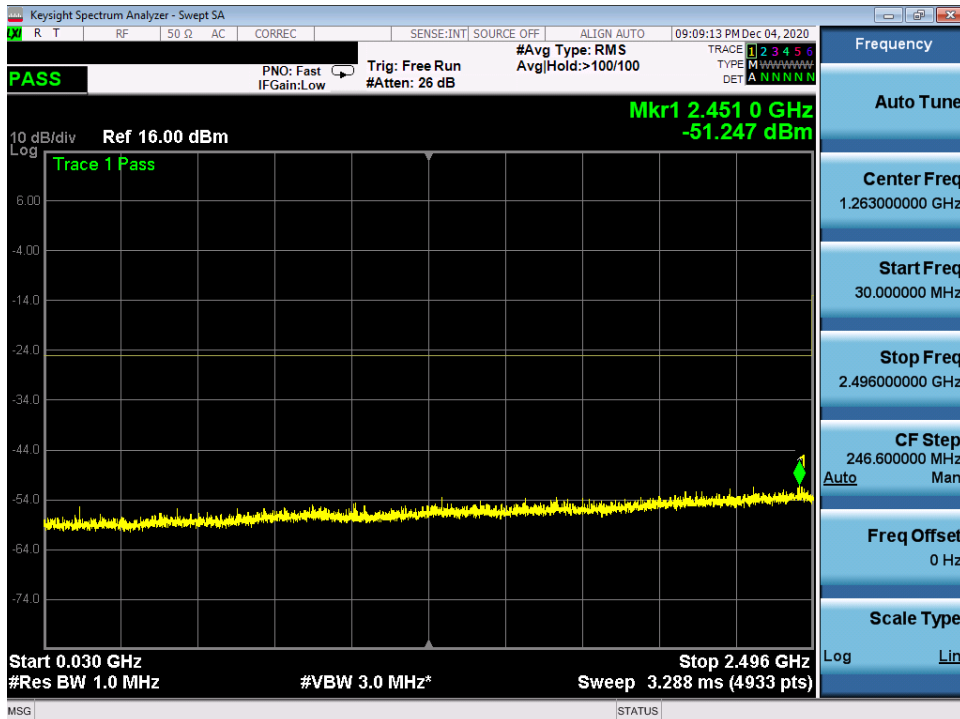


Plot 7-231. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 140 of 242

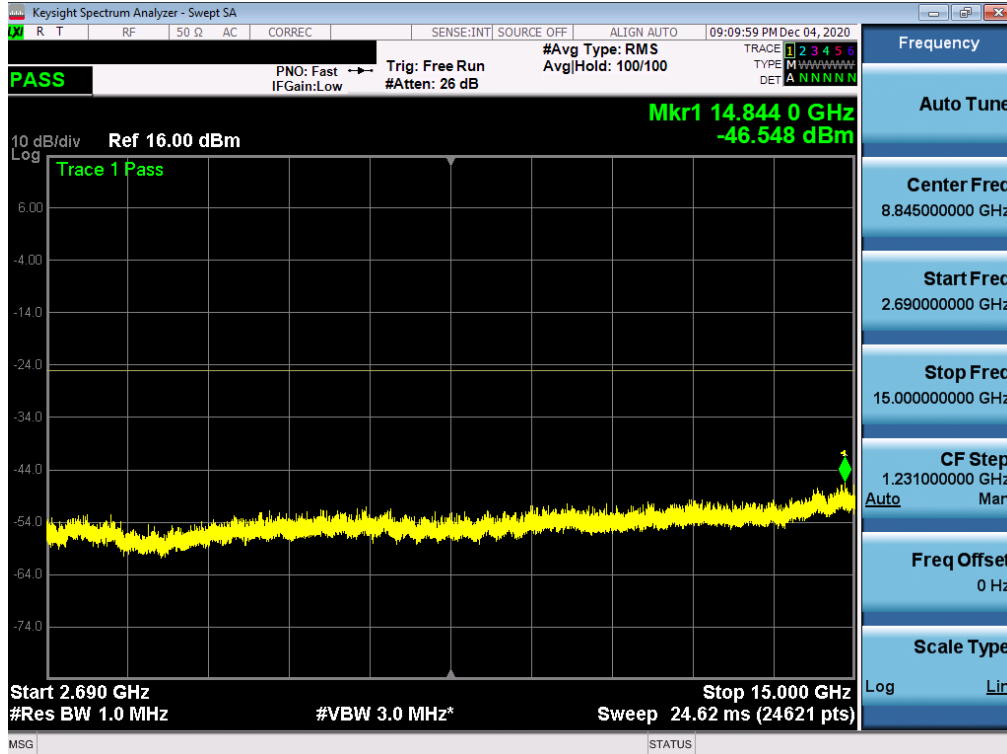


Plot 7-232. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

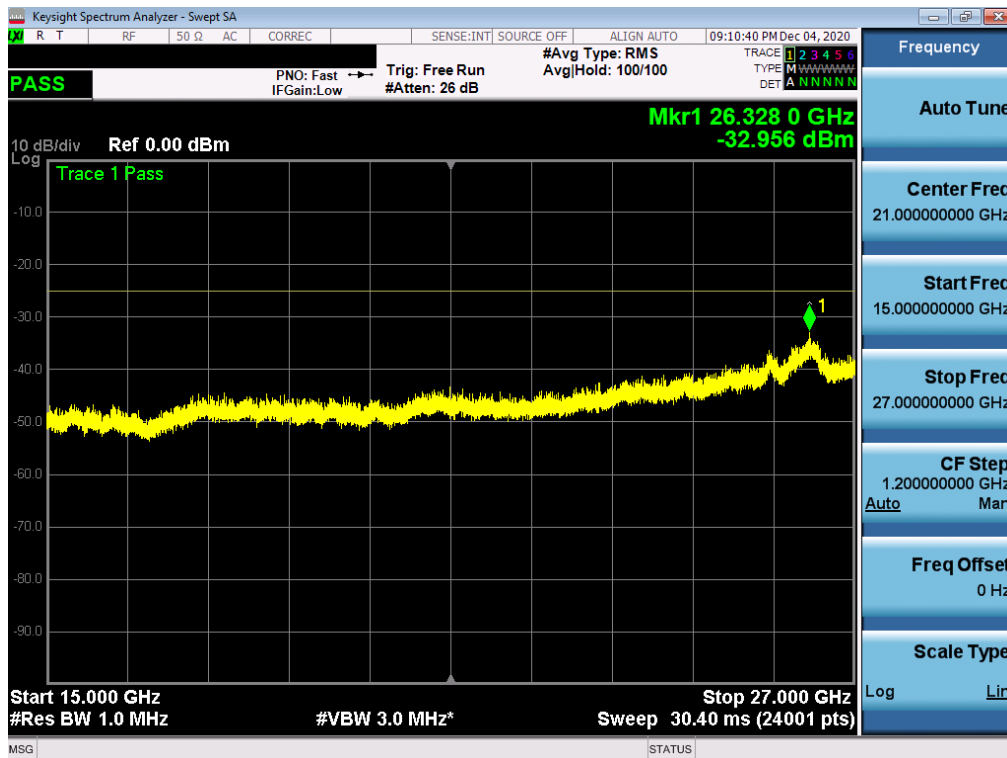


Plot 7-233. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)




FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 141 of 242

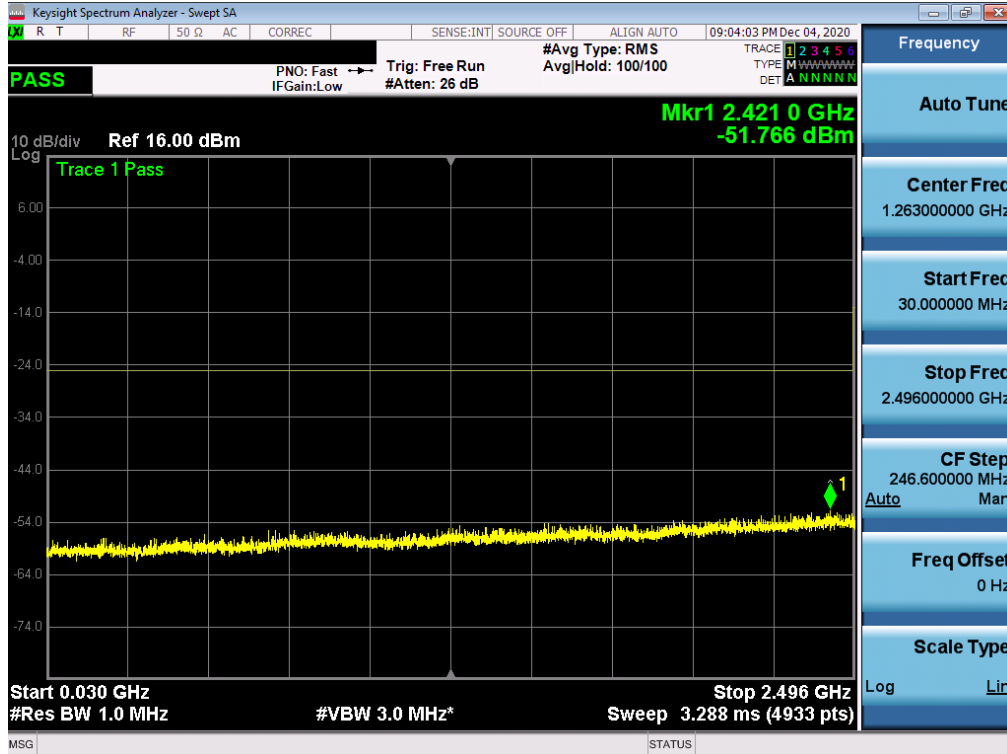


Plot 7-234. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

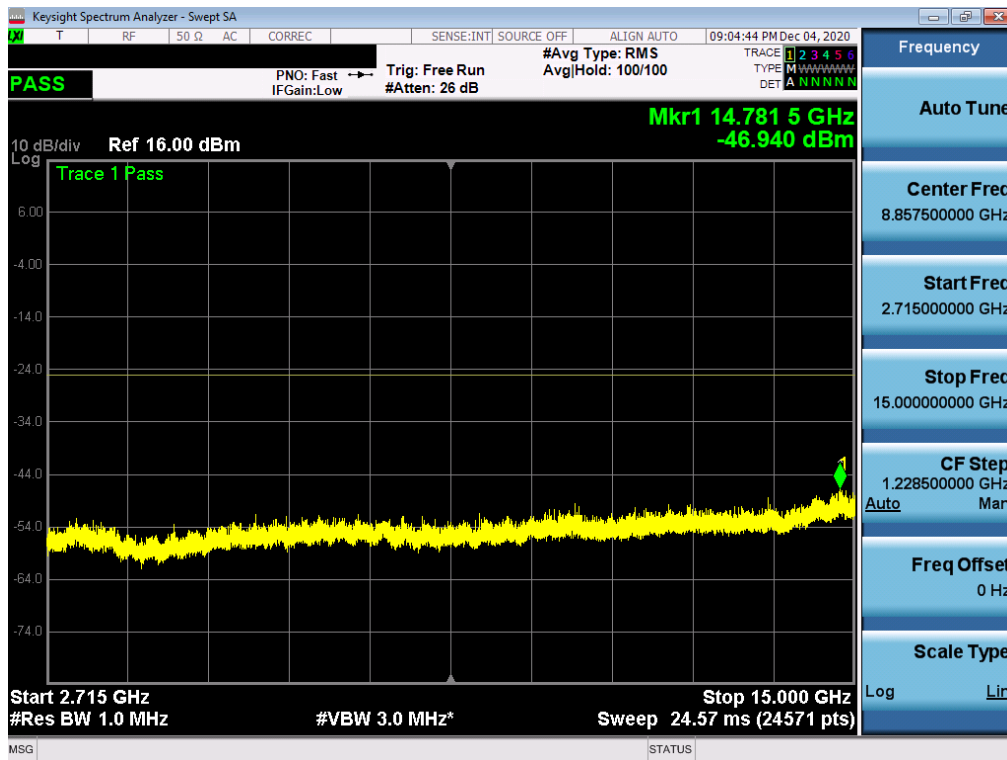


Plot 7-235. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMG996U	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 142 of 242

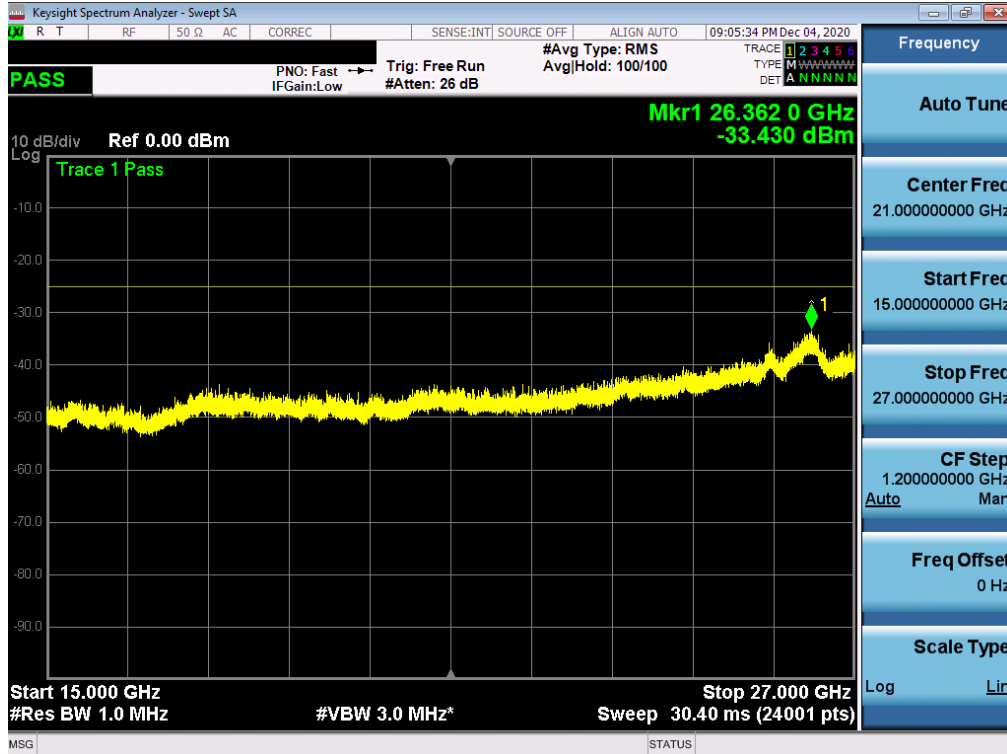


Plot 7-236. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

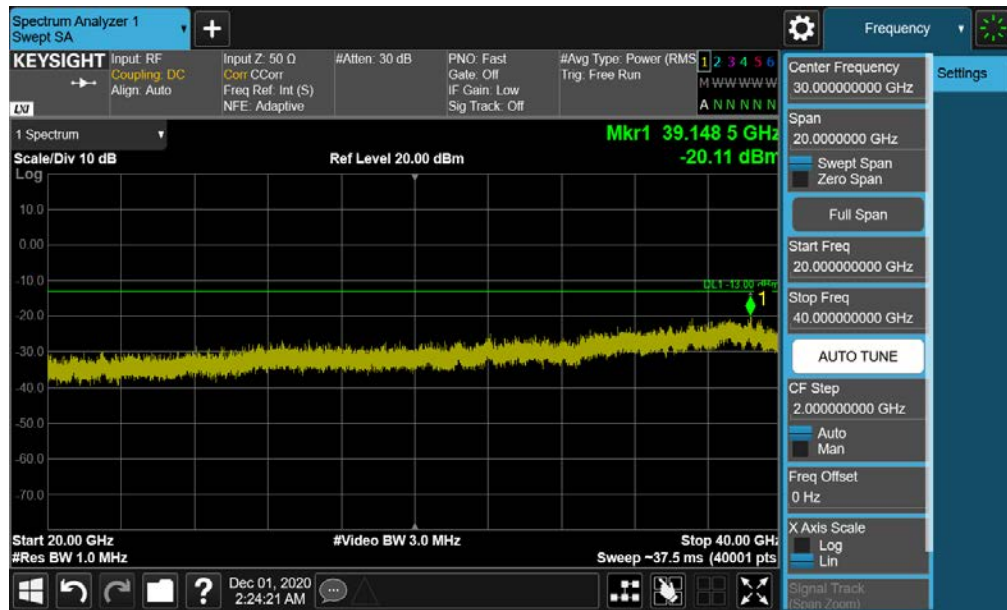


Plot 7-237. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 143 of 242

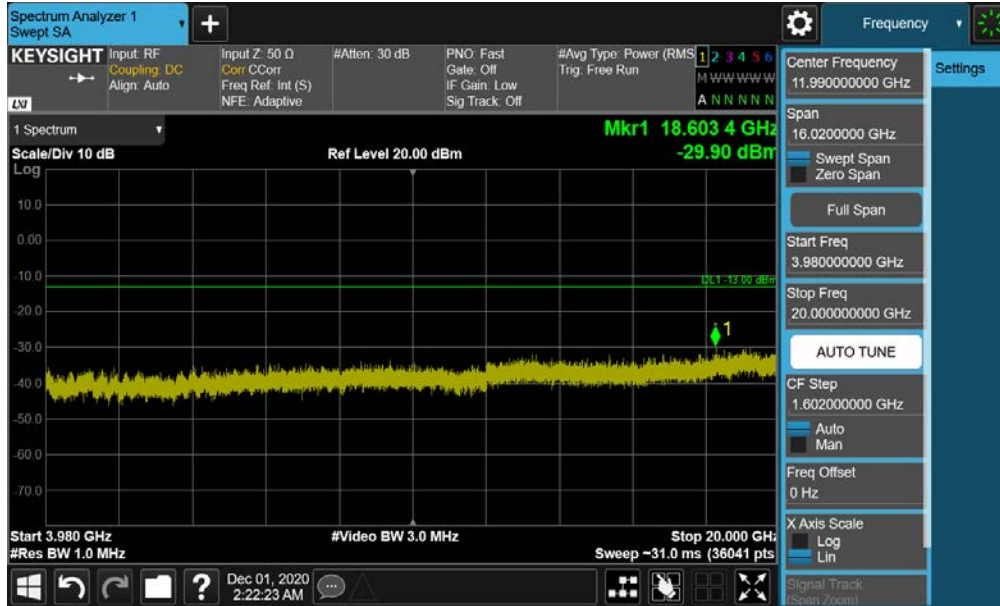


Plot 7-238. Conducted Spurious Plot (NR Band n41 PC3 – Antenna B - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)NR Band n77

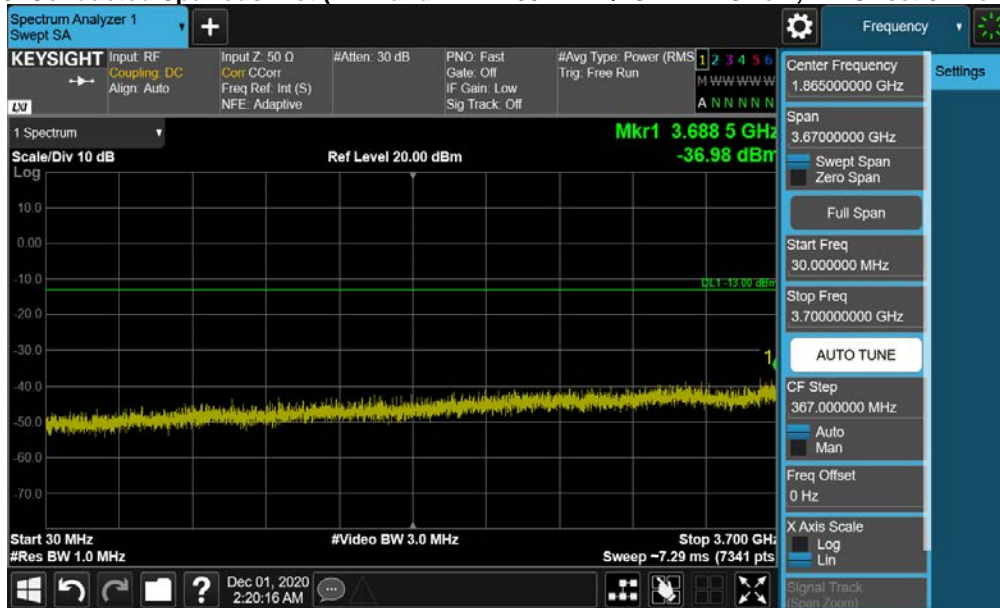


Plot 7-239. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 144 of 242

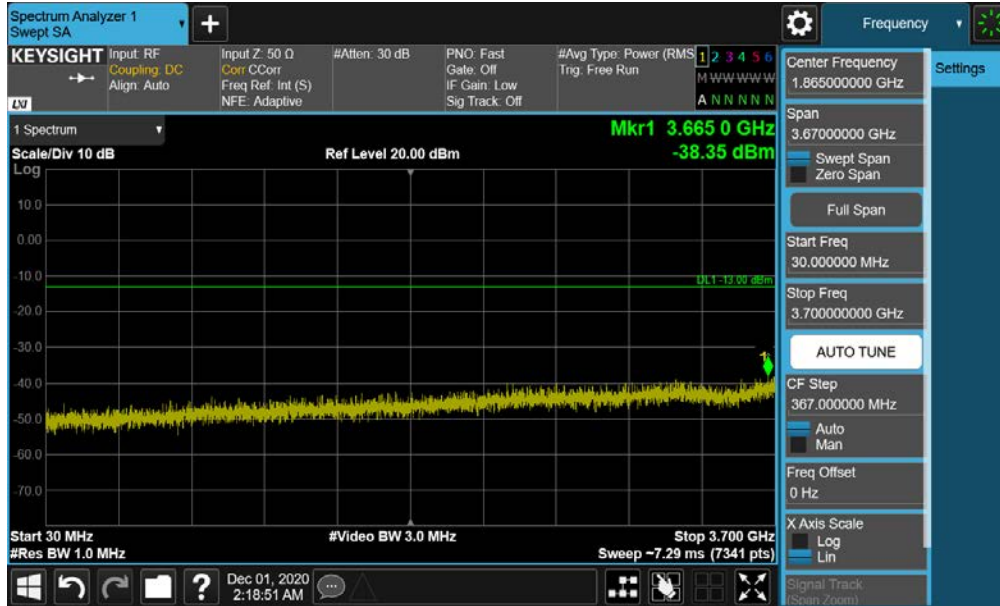


Plot 7-240. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

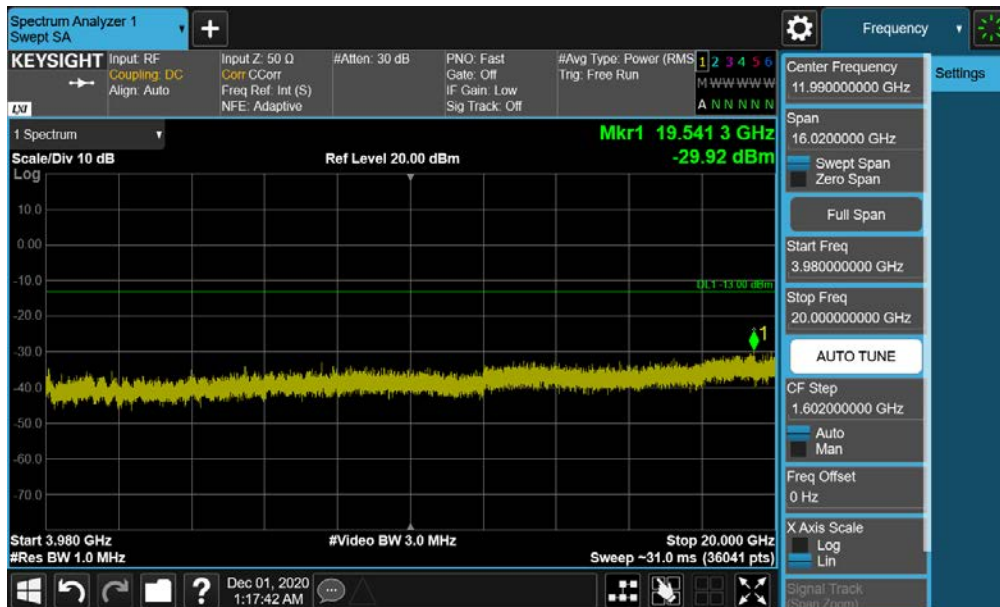


Plot 7-241. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 145 of 242

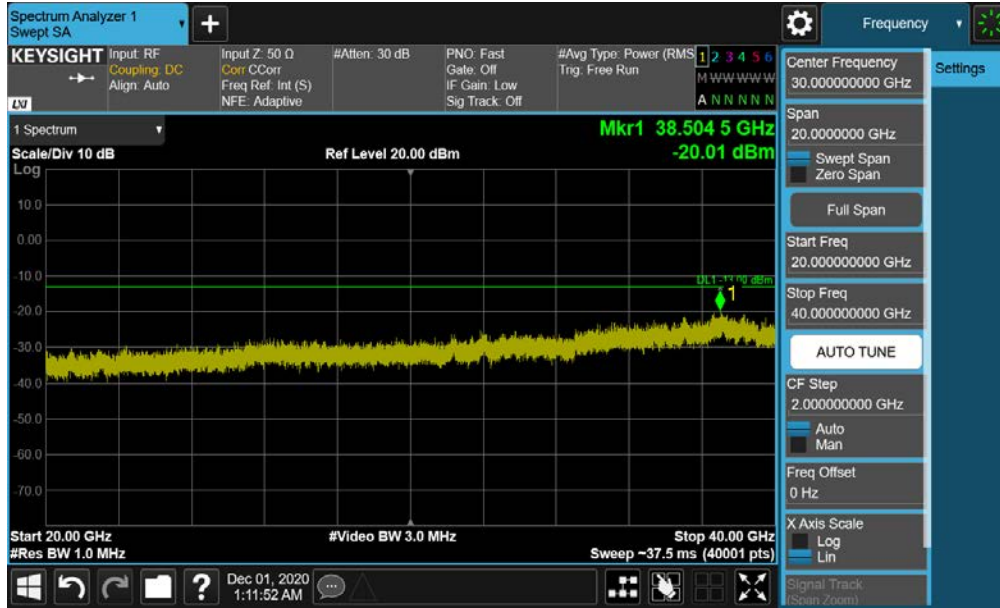


Plot 7-242. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

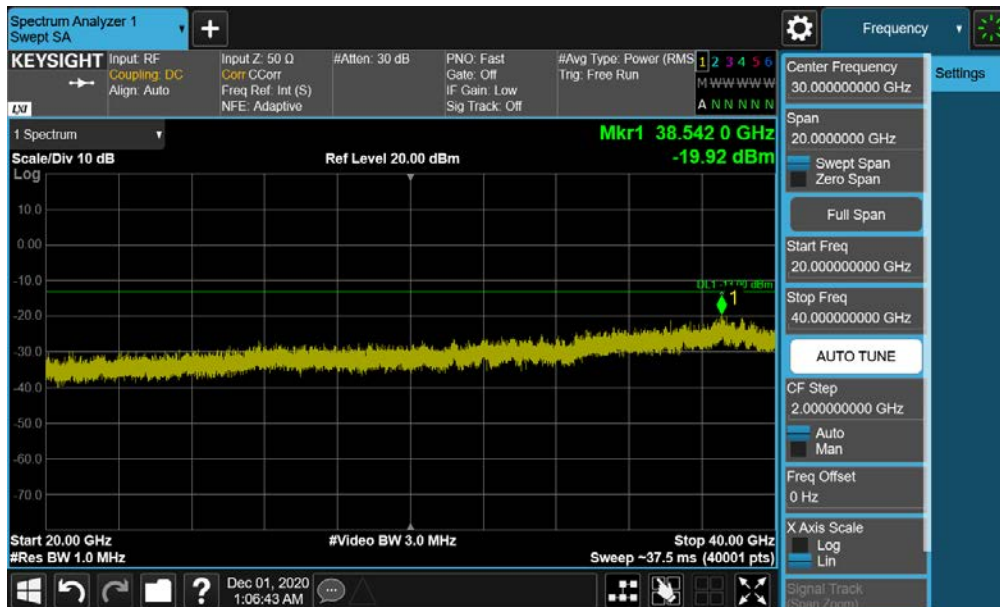


Plot 7-243. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 146 of 242

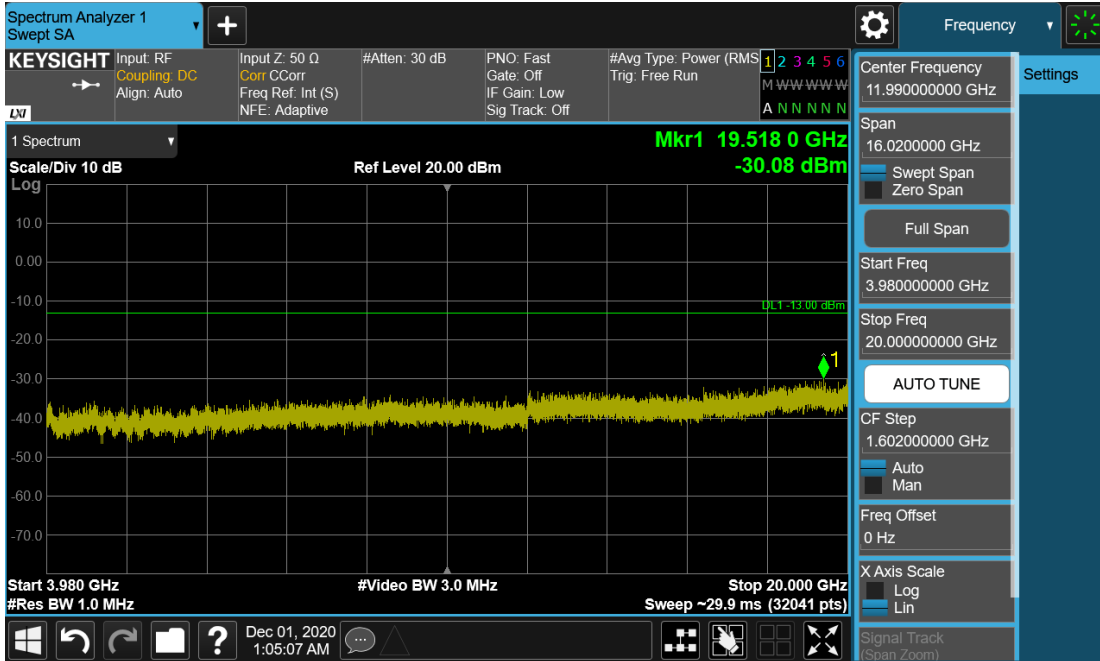


Plot 7-244. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

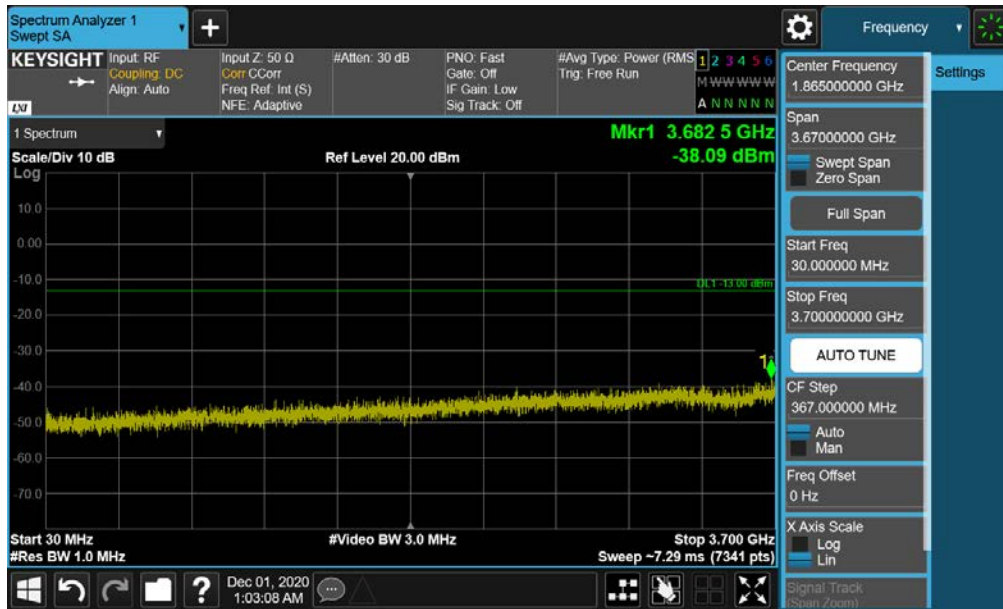


Plot 7-245. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 147 of 242



Plot 7-246. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-247. Conducted Spurious Plot (NR Band n77 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 148 of 242

7.5 Band Edge Emissions at Antenna Terminal

Test Overview

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 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 $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

The minimum permissible attenuation level for Band 30 is $> 43 + 10 \log_{10}(P_{\text{Watts}})$ at 2300-2305MHz & 2345-2360MHz, $> 55 + 10 \log_{10}(P_{\text{Watts}})$ at 2320-2324MHz & 2341-2345MHz, $> 61 + 10 \log_{10}(P_{\text{Watts}})$ at 2324-2328MHz & 2337-2341MHz, $> 67 + 10 \log_{10}(P_{\text{Watts}})$ at 2288-2292MHz & 2328-2337MHz, and $> 70 + 10 \log_{10}(P_{\text{Watts}})$ at frequencies $< 2288\text{MHz}$ & $> 2365\text{MHz}$.

The minimum permissible attenuation level for Band 7 and 41 is as noted in the Test Notes on the following page.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW \geq 1% of the emission bandwidth
4. VBW \geq 3 x RBW
5. Detector = RMS
6. Number of sweep points \geq 2 x Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

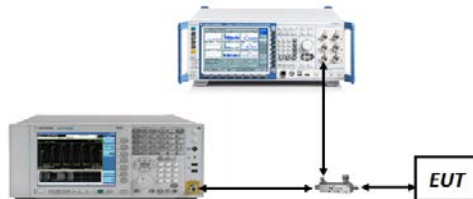






Figure 7-4. Test Instrument & Measurement Setup

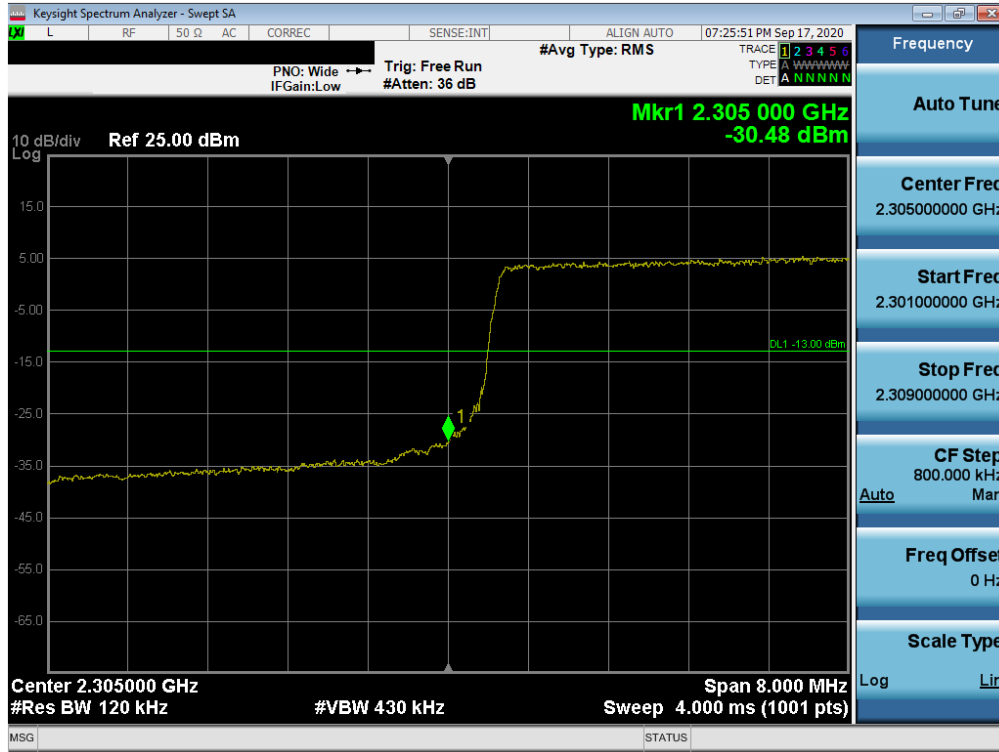
FCC ID: A3LSMG996U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 149 of 242

Test Notes

1. Per 27.53(h), 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 to demonstrate compliance with the out-of-band emissions limit. 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.
2. Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e., 1 MHz). 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 emissions are attenuated at least 26 dB below the transmitter power.
3. Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz.
4. Per 27.53(l) for operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz.
5. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) 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.

FCC ID: A3LSMG996U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 150 of 242

LTE Band 30



Plot 7-248. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB Configuration)

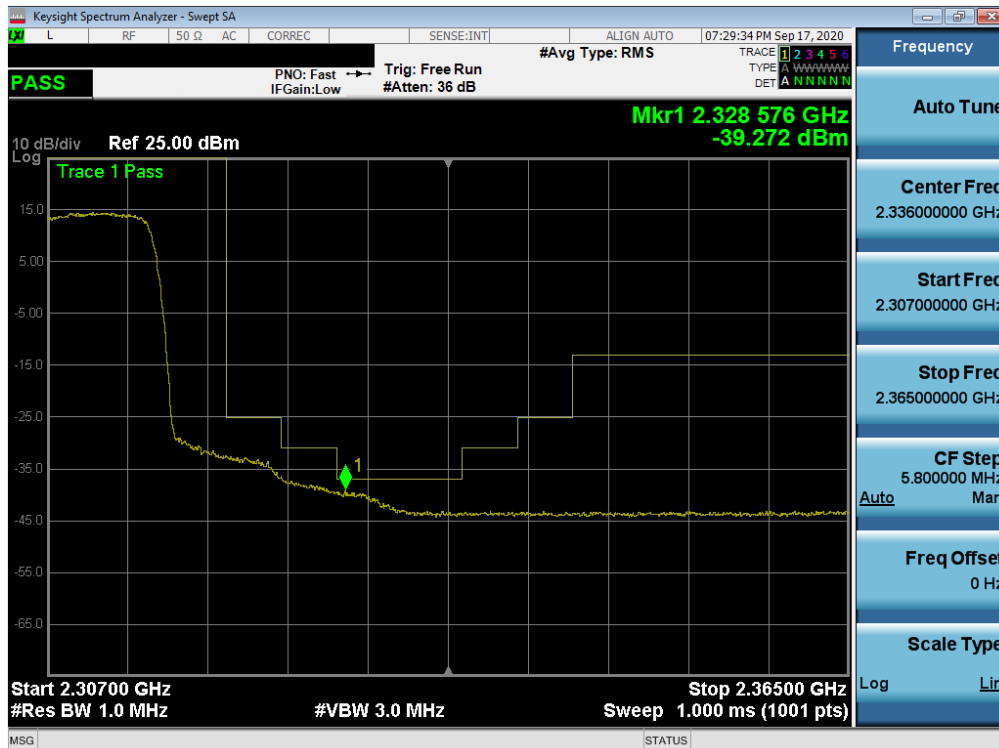


Plot 7-249. Extended Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 151 of 242

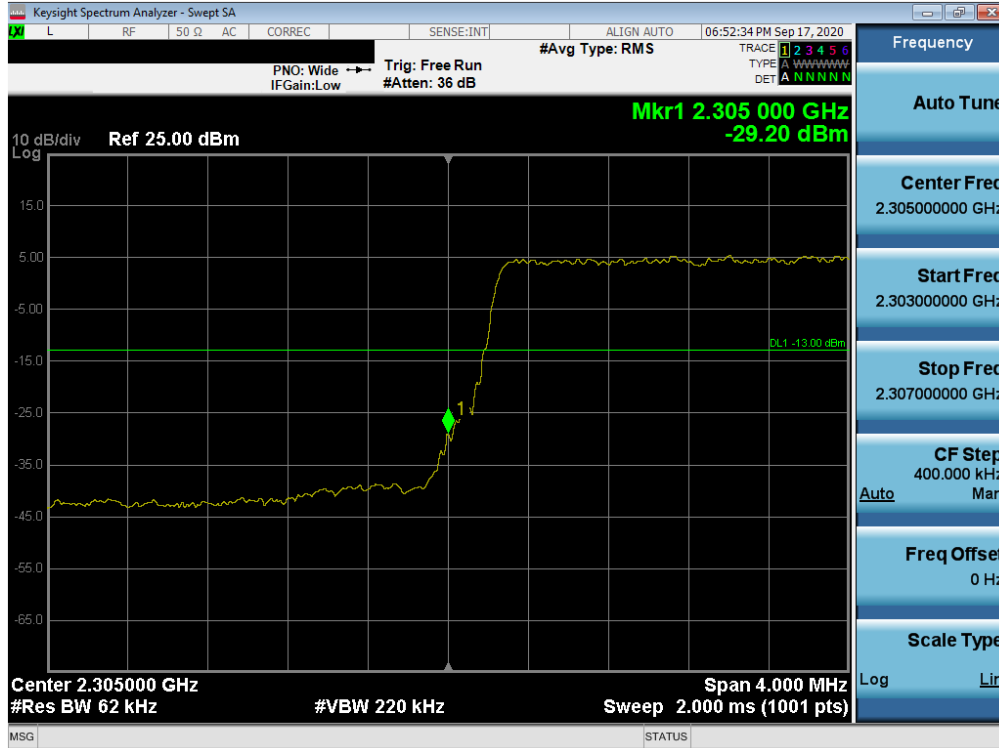


Plot 7-250. Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB Configuration)

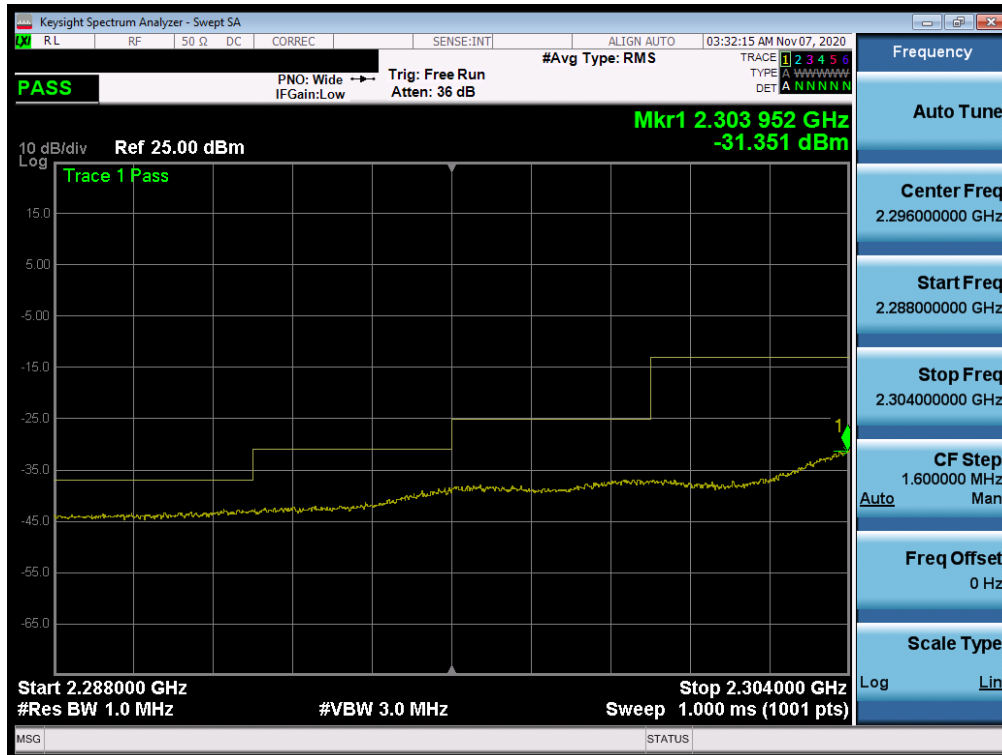


Plot 7-251. Extended Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 152 of 242



Plot 7-252. Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB Configuration)

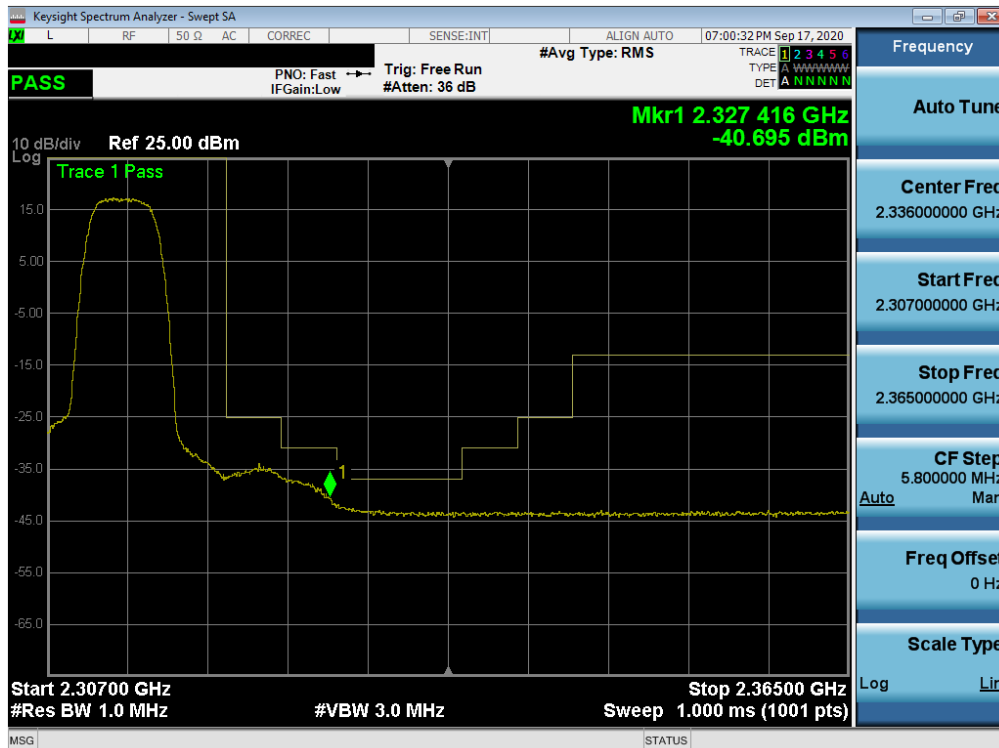


Plot 7-253. Extended Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 153 of 242



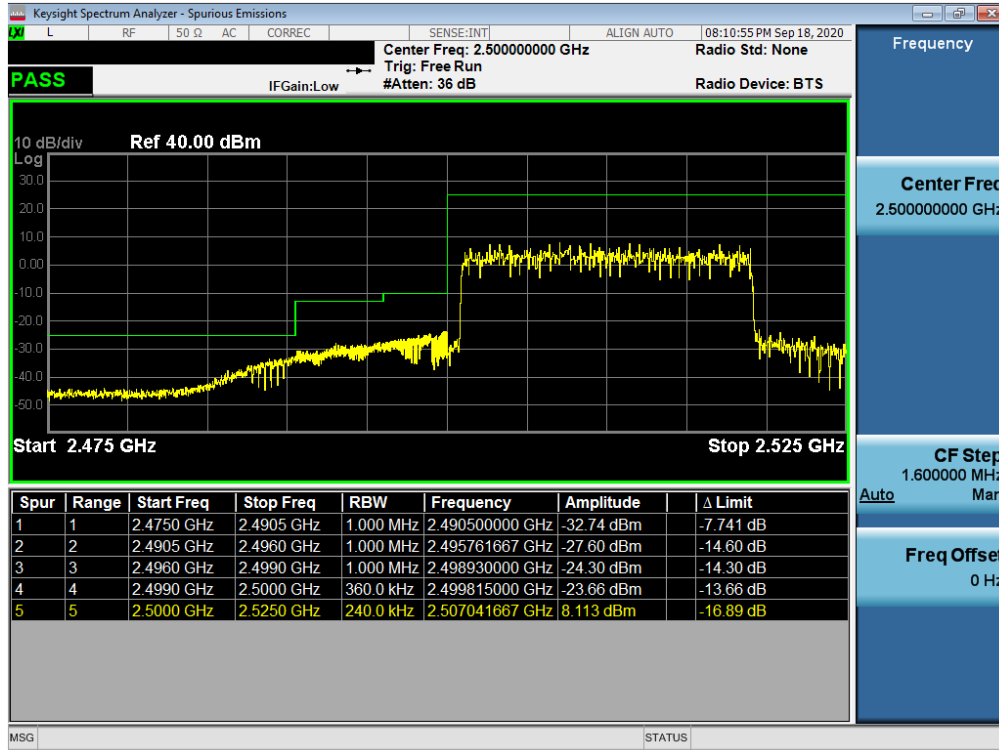
Plot 7-254. Upper Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB Configuration)



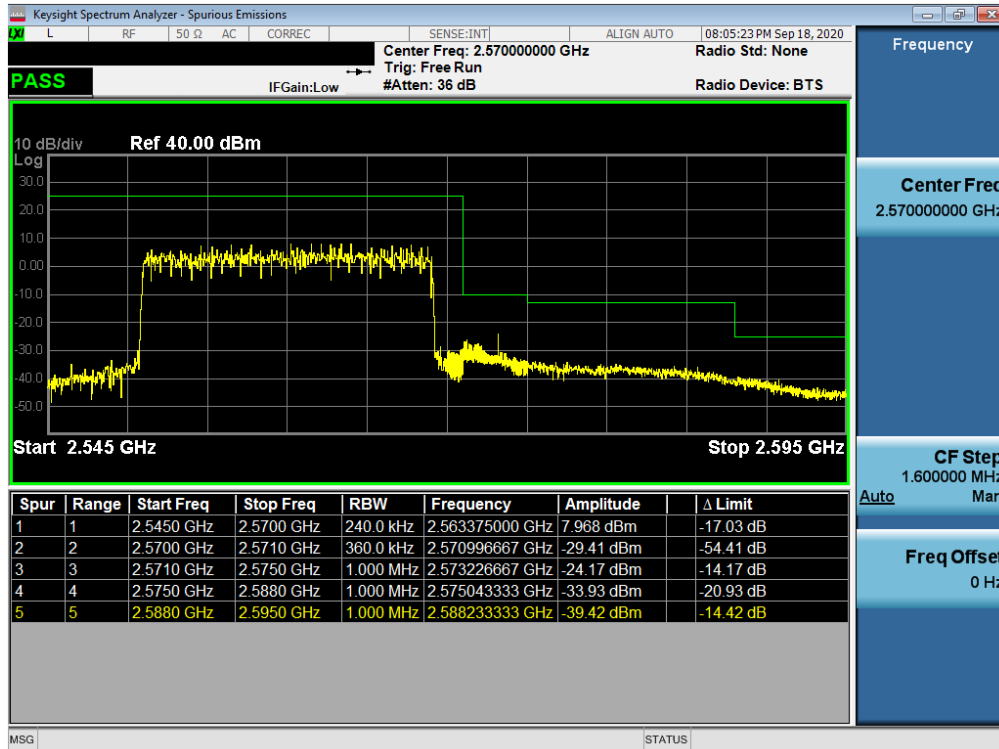
Plot 7-255. Extended Upper Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 154 of 242

LTE Band 7

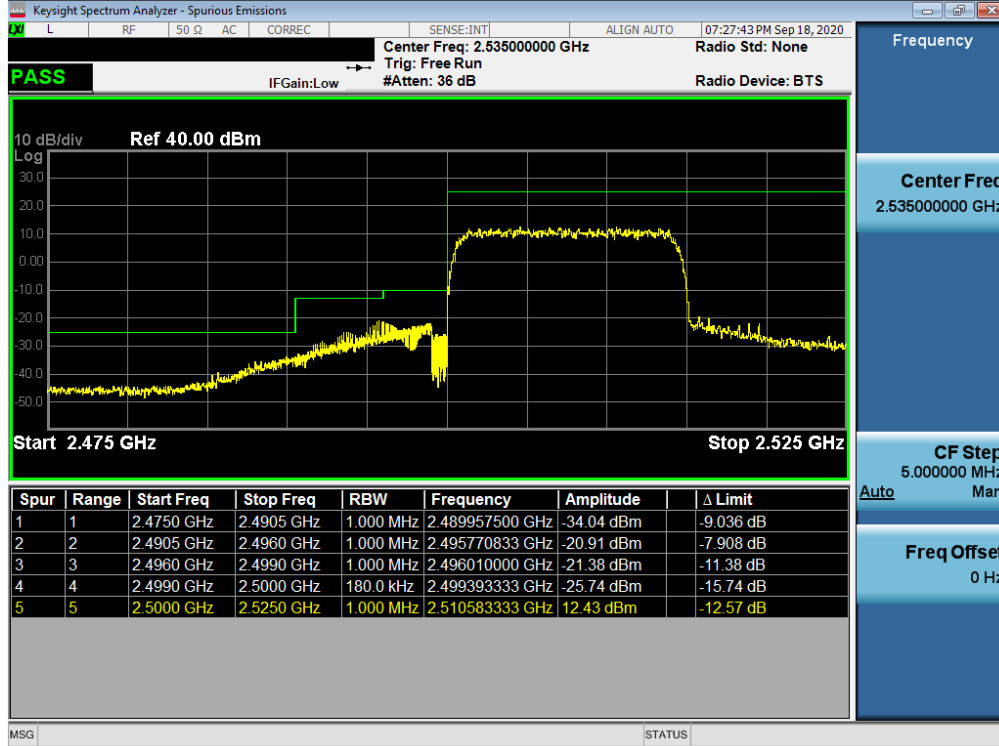


Plot 7-256. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB Configuration)

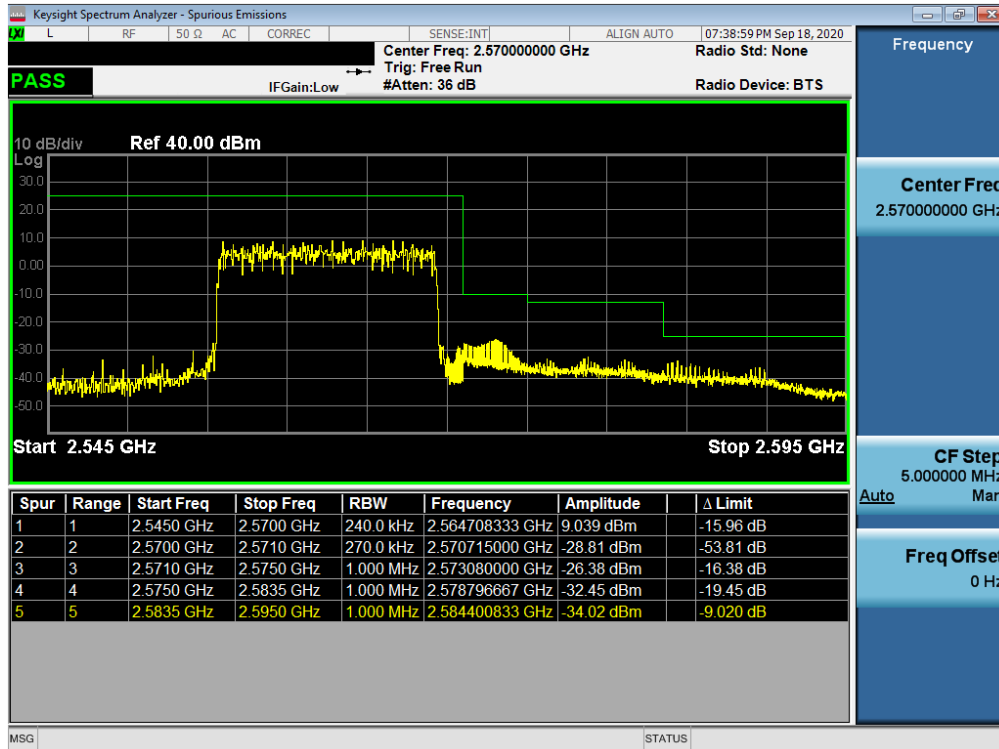


Plot 7-257. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST <small>Proud to be part of element</small>	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 155 of 242

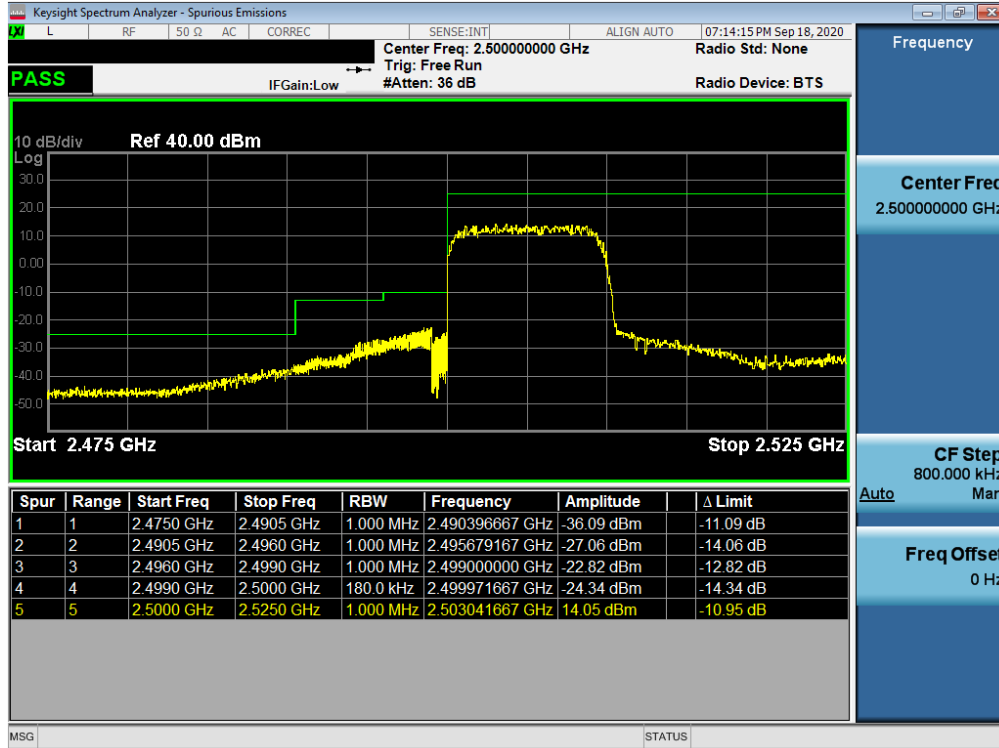


Plot 7-258. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB Configuration)

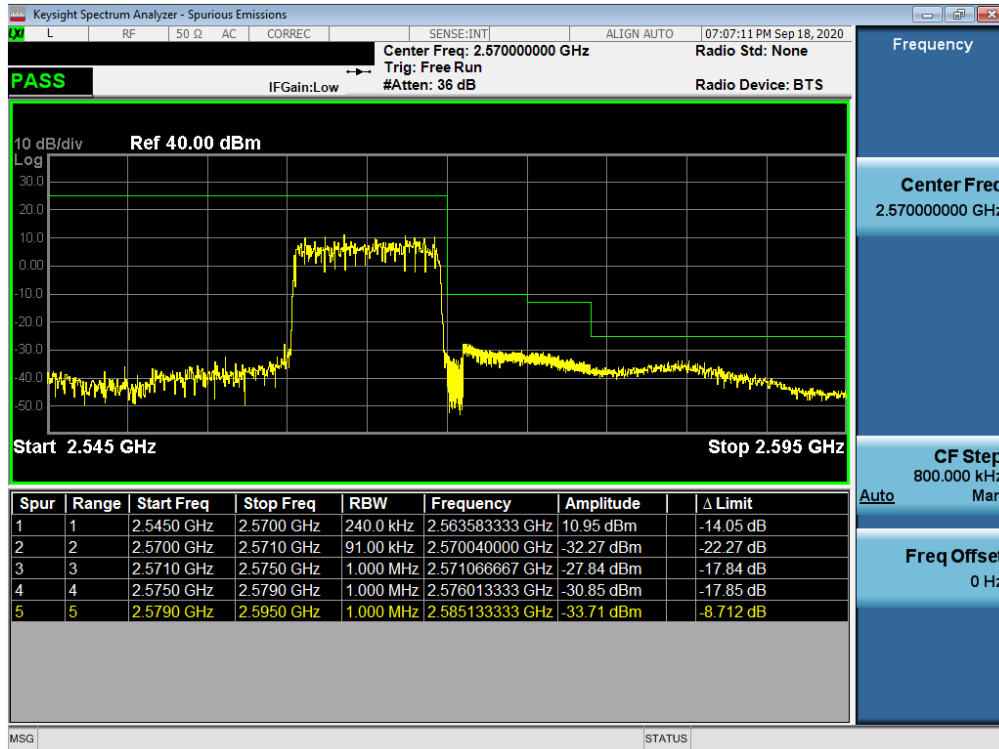


Plot 7-259. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 156 of 242

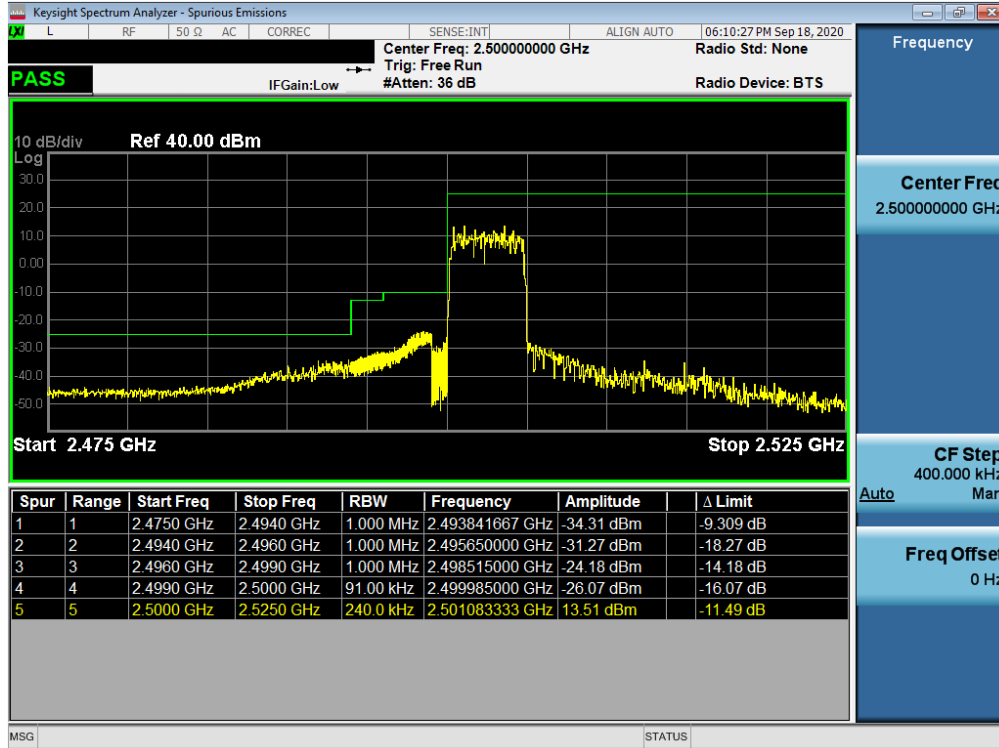


Plot 7-260. Lower ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB Configuration)

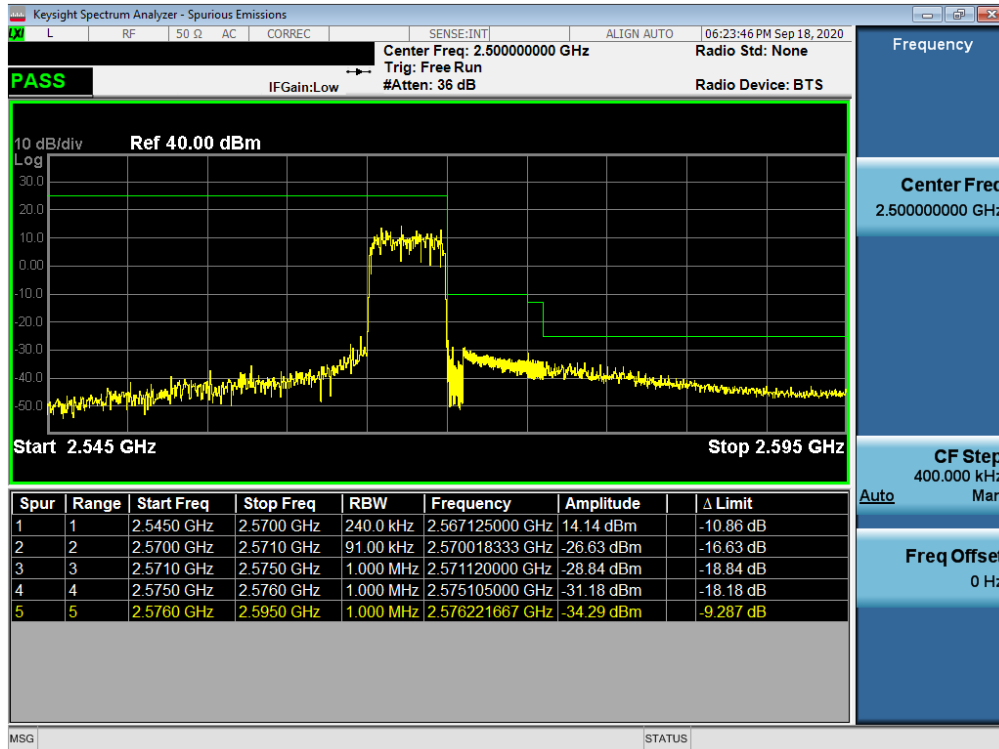


Plot 7-261. Upper ACP Plot (LTE Band 7 - 10MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 157 of 242



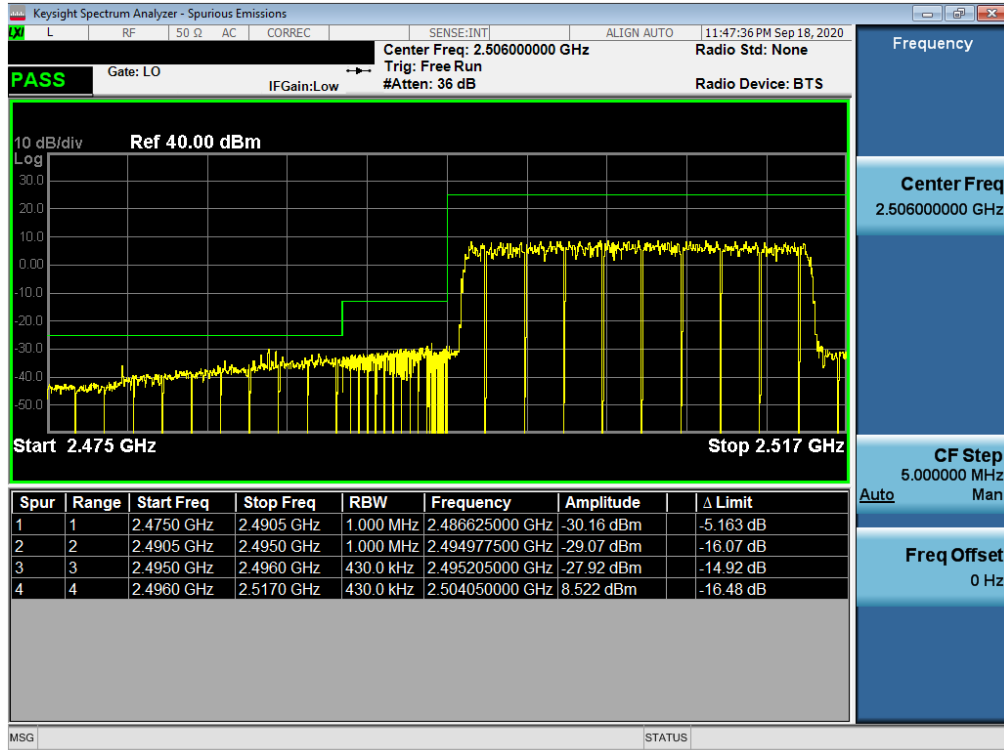
Plot 7-262. Lower ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB Configuration)



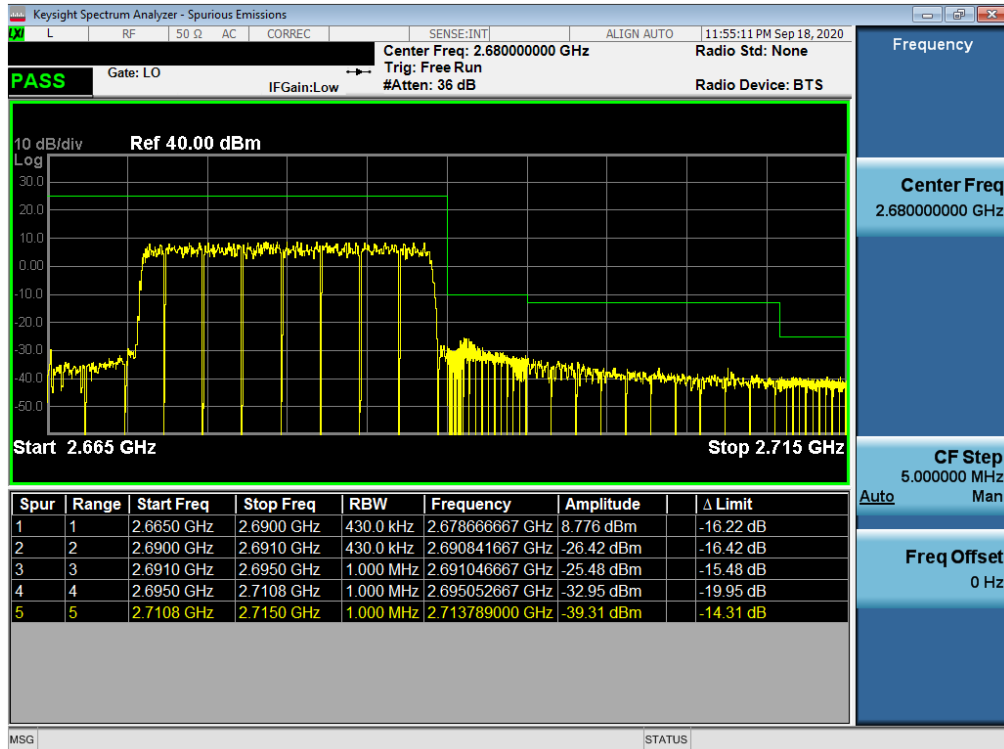
Plot 7-263. Upper ACP Plot (LTE Band 7 - 5MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 158 of 242

LTE Band 41(PC2)

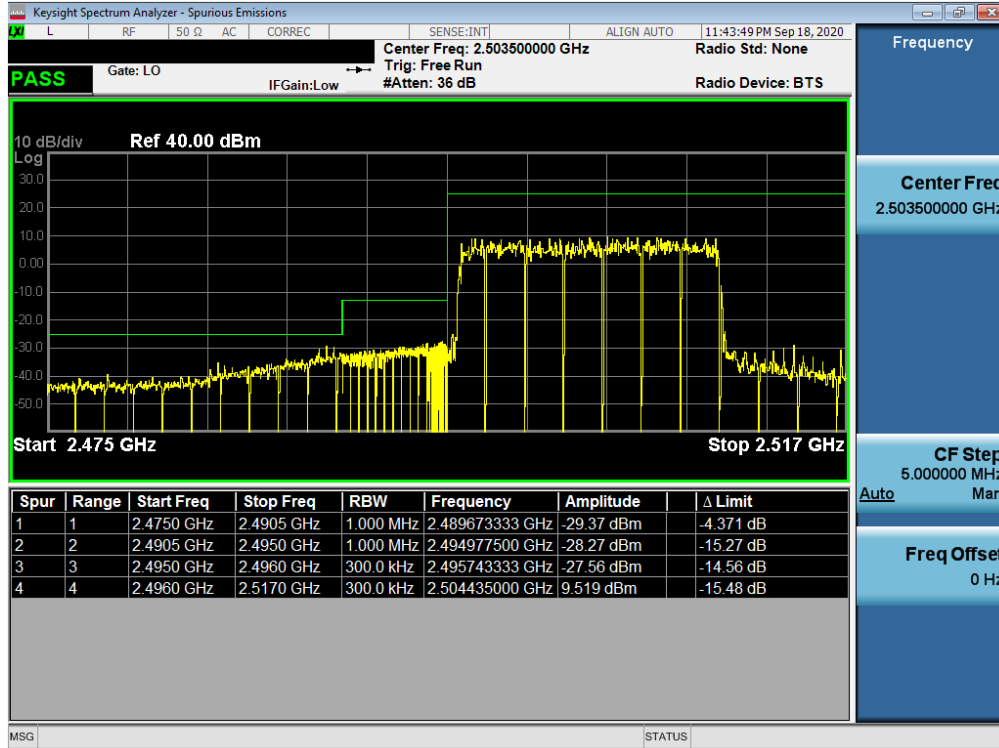


Plot 7-264. Lower ACP Plot (LTE Band 41(PC2) - 20MHz QPSK – Full RB Configuration)

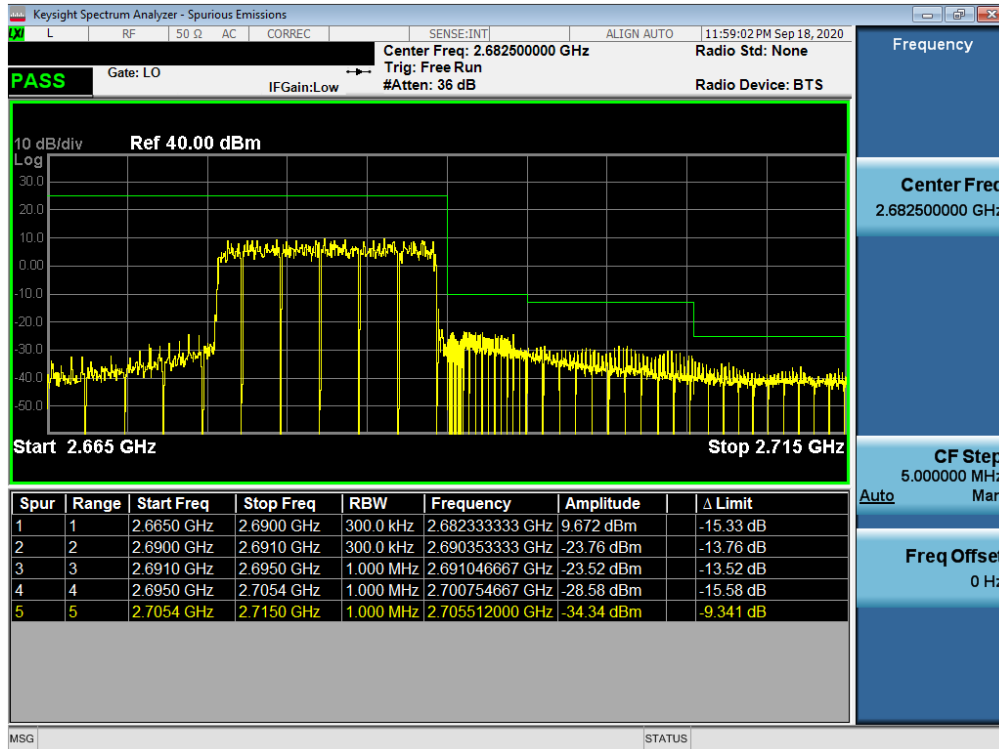


Plot 7-265. Upper ACP Plot (LTE Band 41(PC2) - 20MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 159 of 242

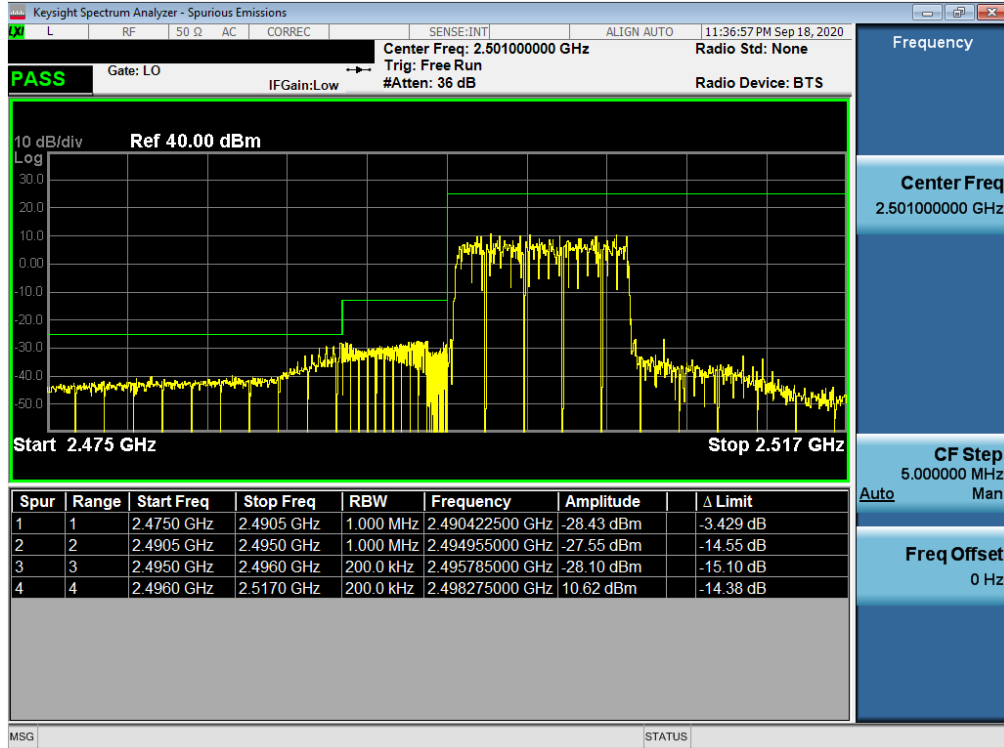


Plot 7-266. Lower ACP Plot (LTE Band 41(PC2) - 15MHz QPSK – Full RB Configuration)

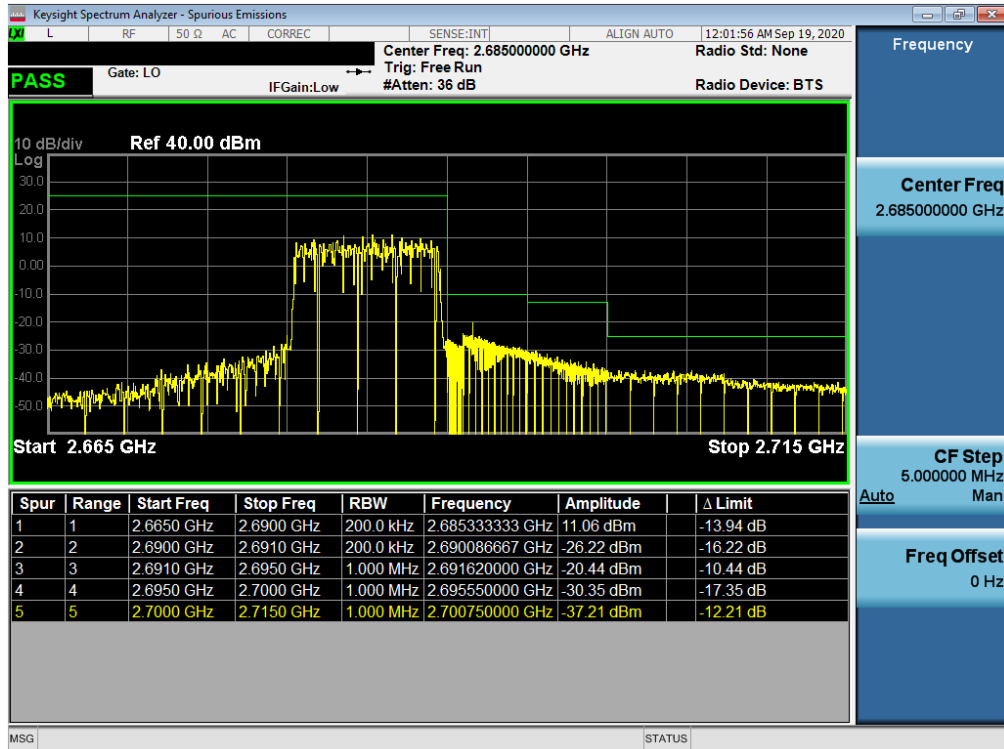


Plot 7-267. Upper ACP Plot (LTE Band 41(PC2) - 15MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 160 of 242

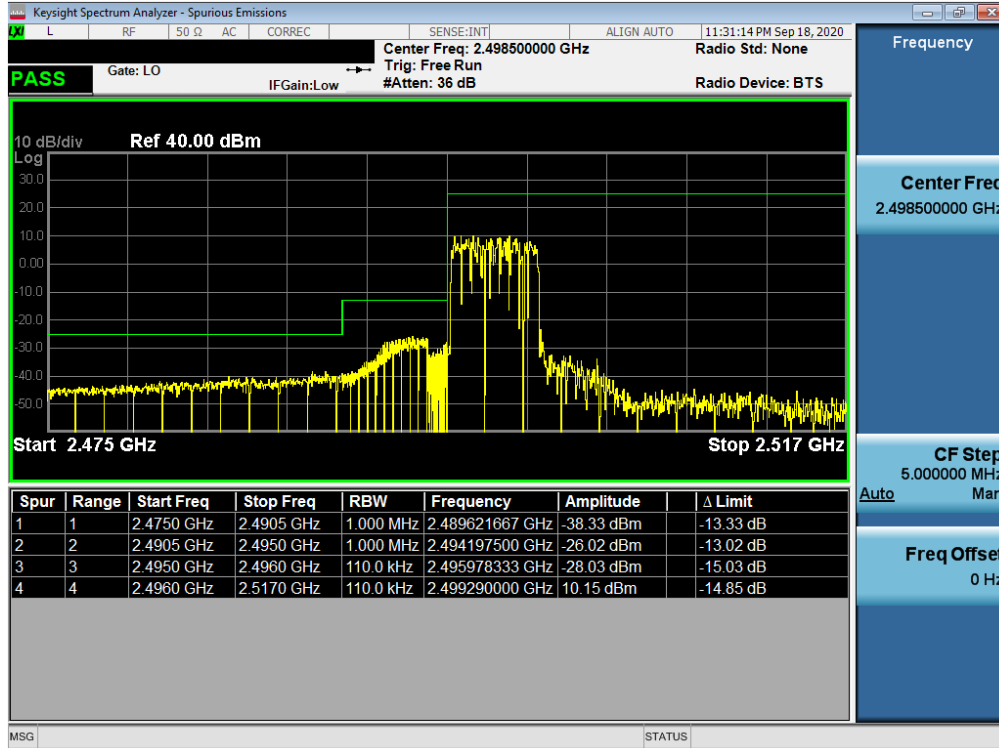


Plot 7-268. Lower ACP Plot (LTE Band 41(PC2) - 10MHz QPSK – Full RB Configuration)

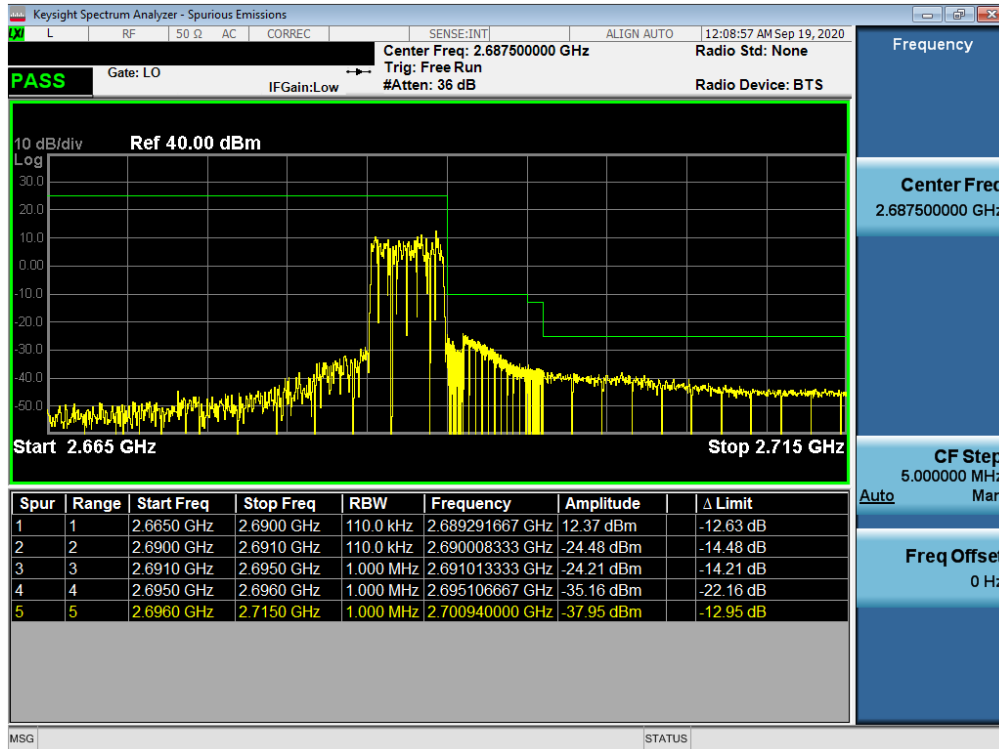


Plot 7-269. Upper ACP Plot (LTE Band 41(PC2) - 10MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 161 of 242



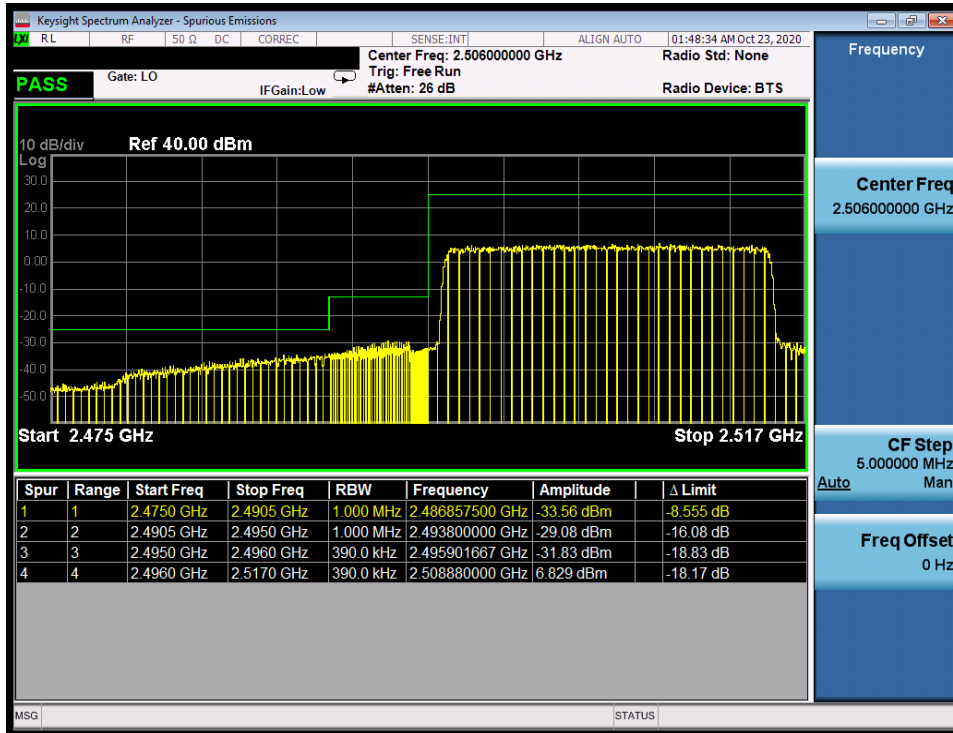
Plot 7-270. Lower ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB Configuration)



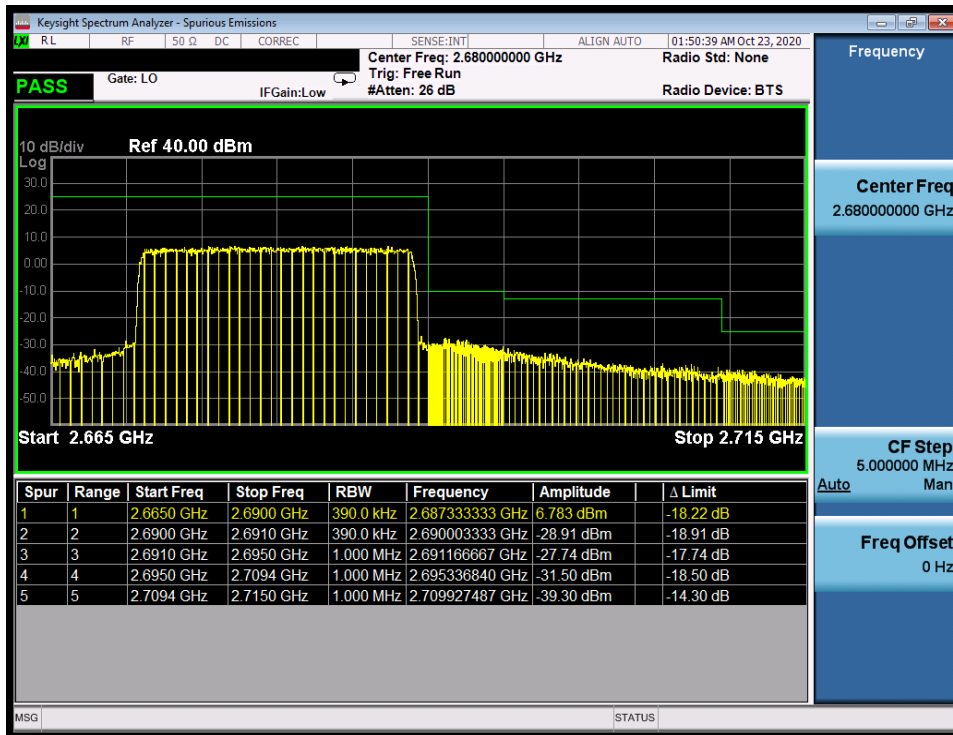
Plot 7-271. Upper ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 162 of 242

LTE Band 41(PC3)

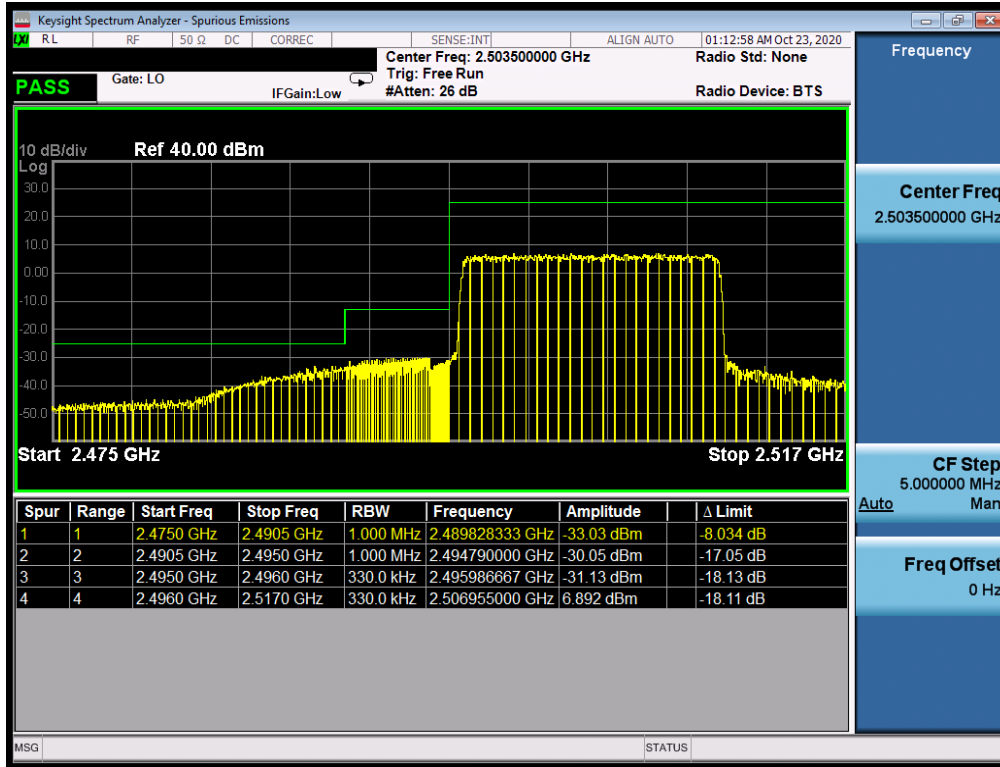


Plot 7-272. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB Configuration)

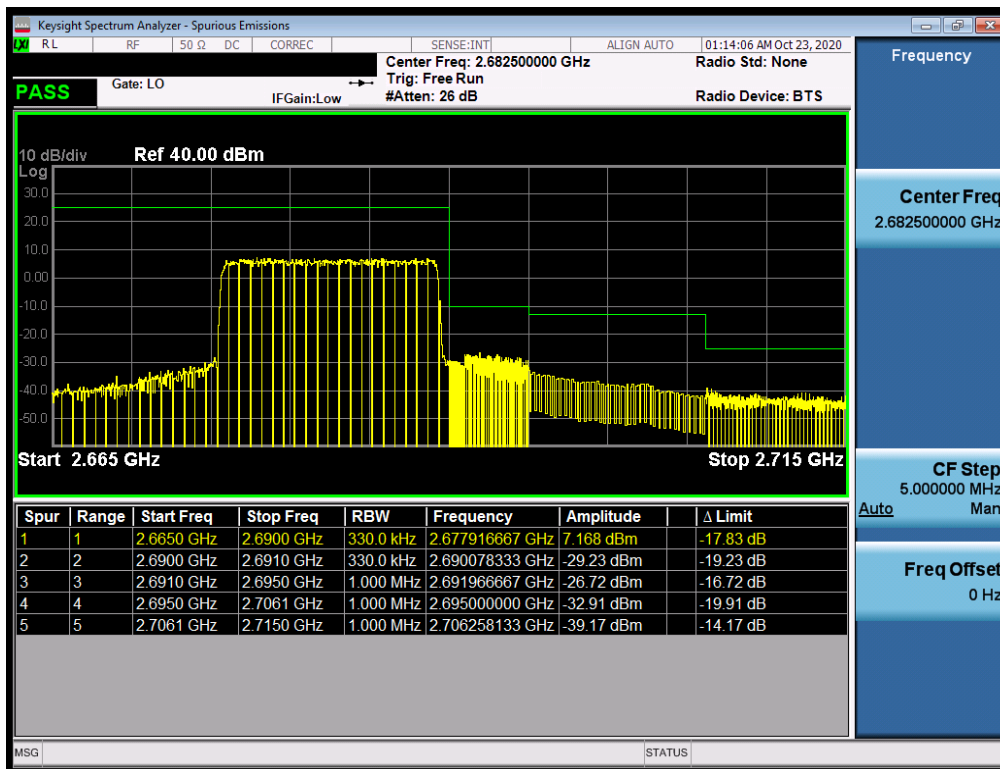


Plot 7-273. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 163 of 242

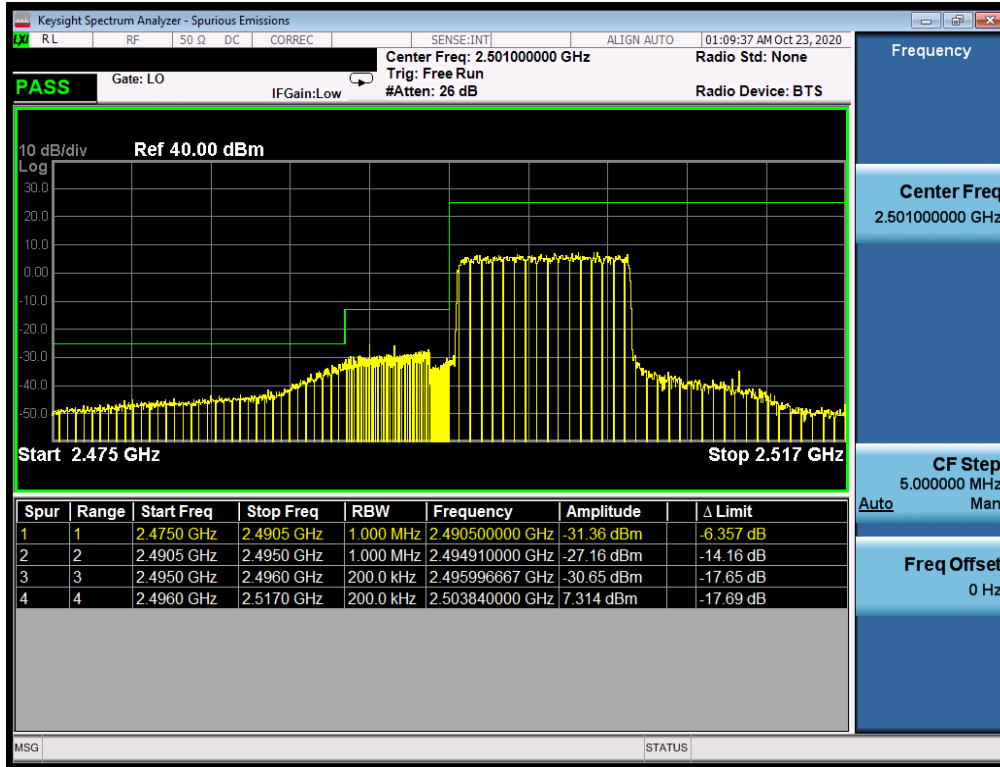


Plot 7-274. Lower ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB Configuration)

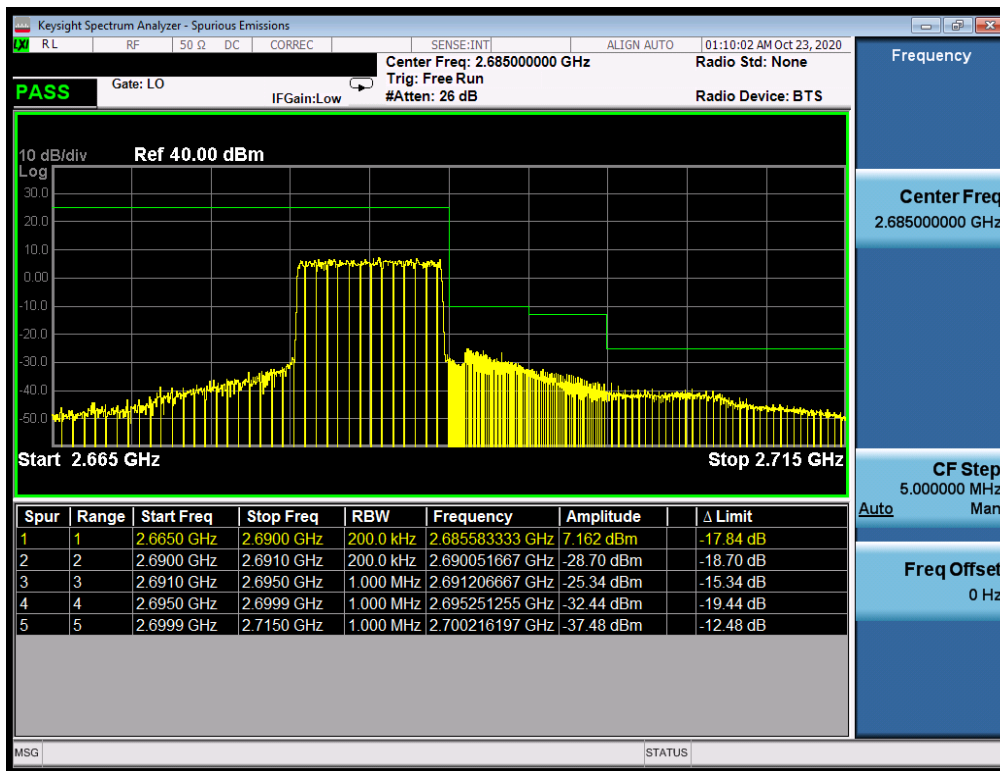


Plot 7-275. Upper ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 164 of 242

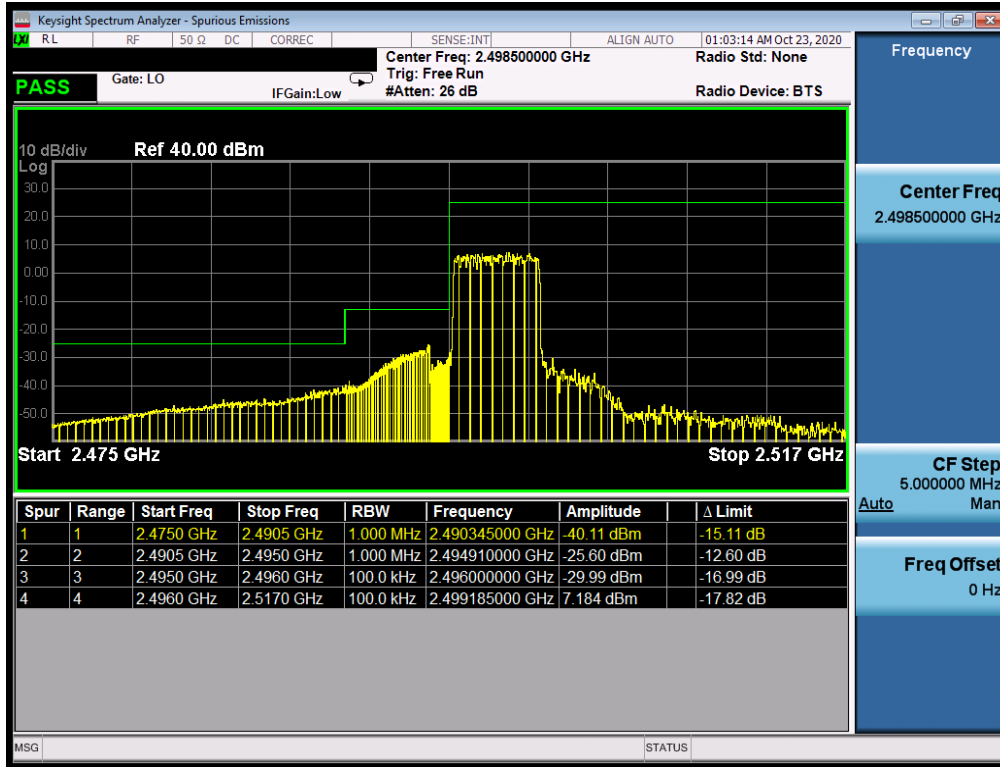


Plot 7-276. Lower ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB Configuration)

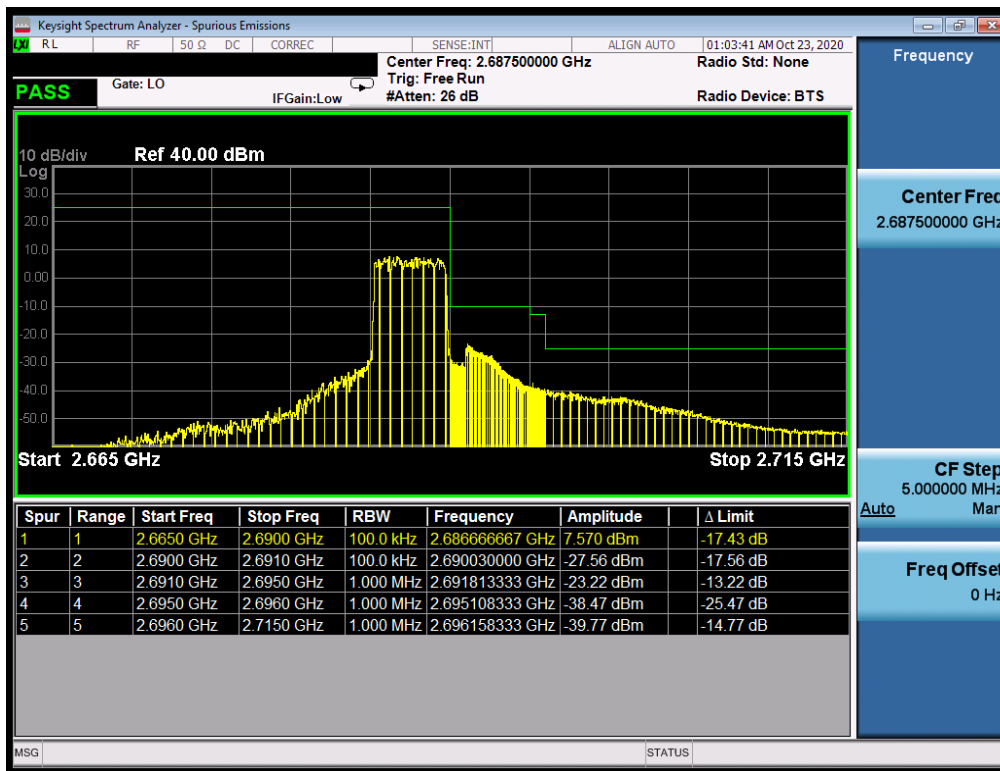


Plot 7-277. Upper ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 165 of 242



Plot 7-278. Lower ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB Configuration)



Plot 7-279. Upper ACP Plot (LTE Band 41(PC3) - 5MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 166 of 242

NR Band n30



Plot 7-280. Lower ACP Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB Configuration)



Plot 7-281. Lower ACP Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 167 of 242

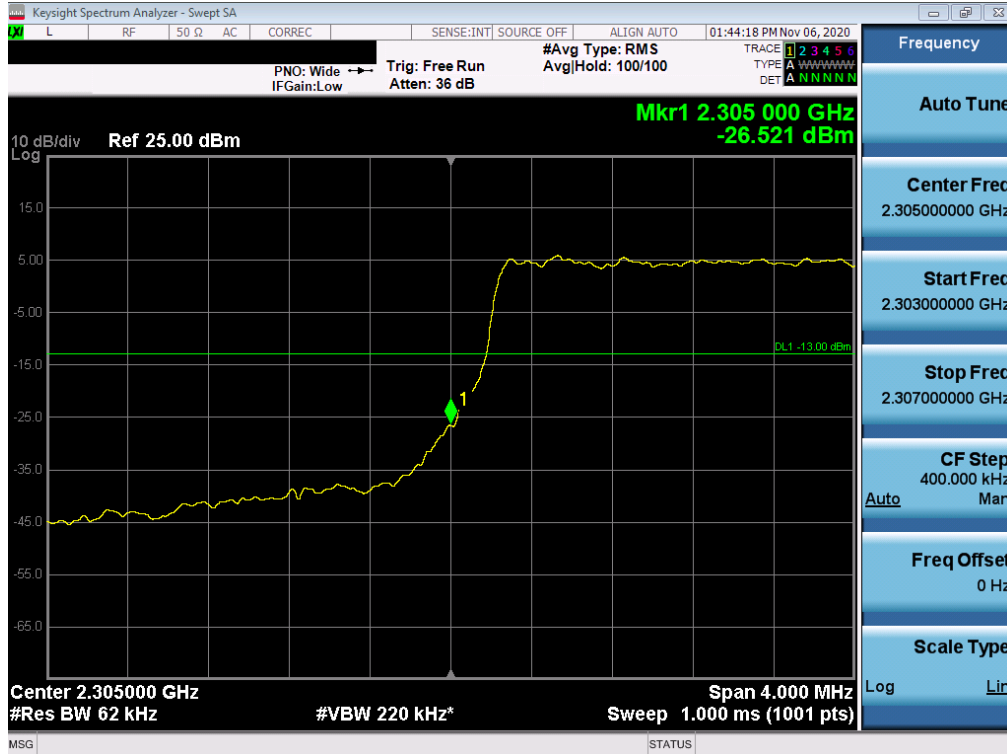


Plot 7-282. Upper ACP Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB Configuration)

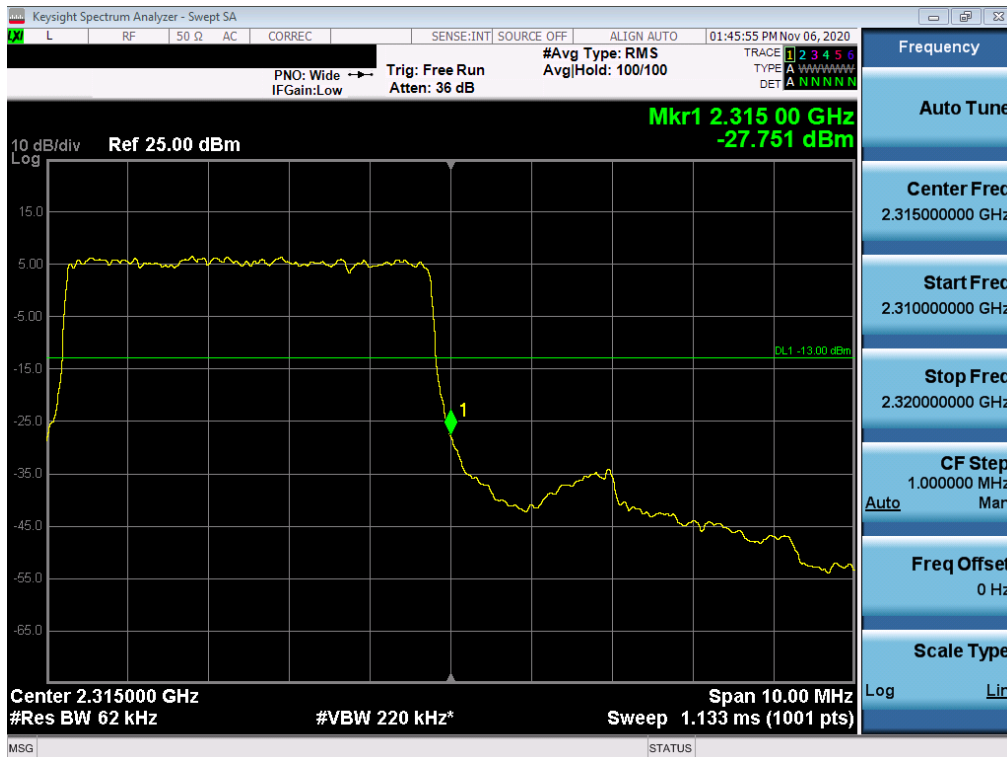


Plot 7-283. Upper ACP Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 168 of 242



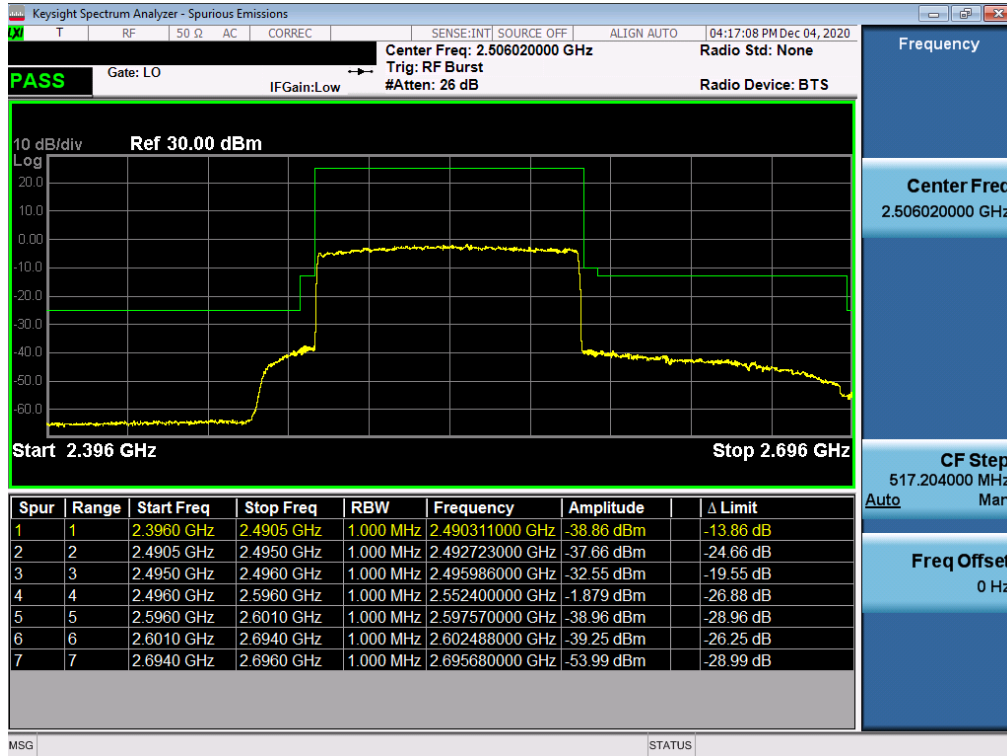
Plot 7-284. Lower ACP Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB Configuration)



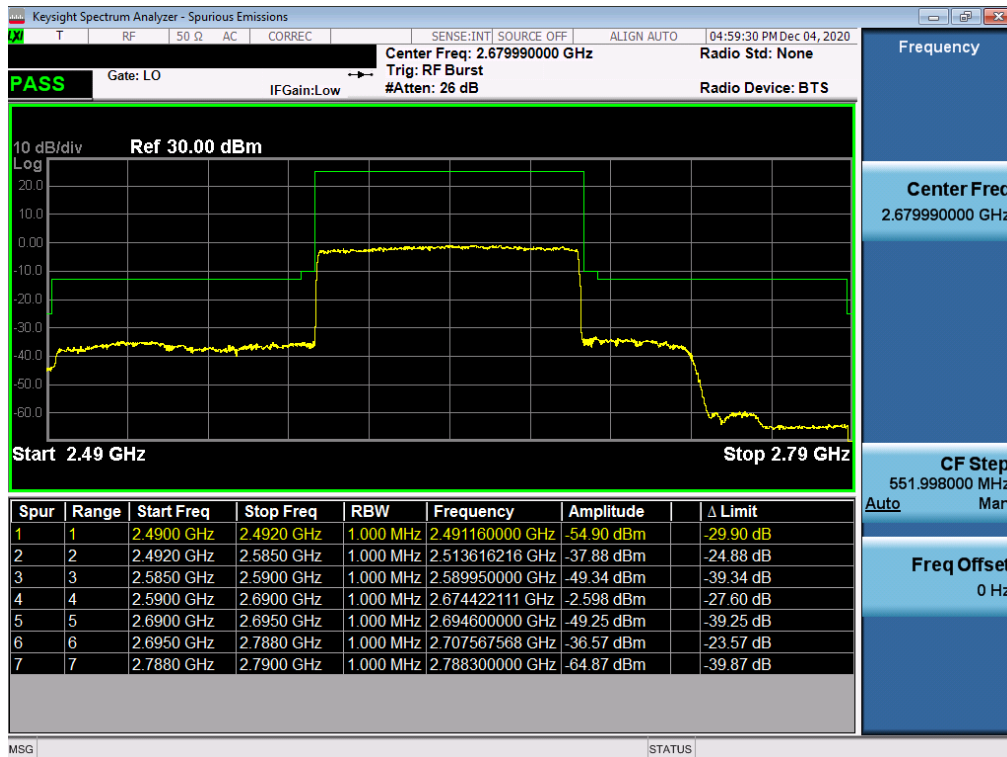
Plot 7-285. Upper ACP Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 169 of 242

NR Band n41

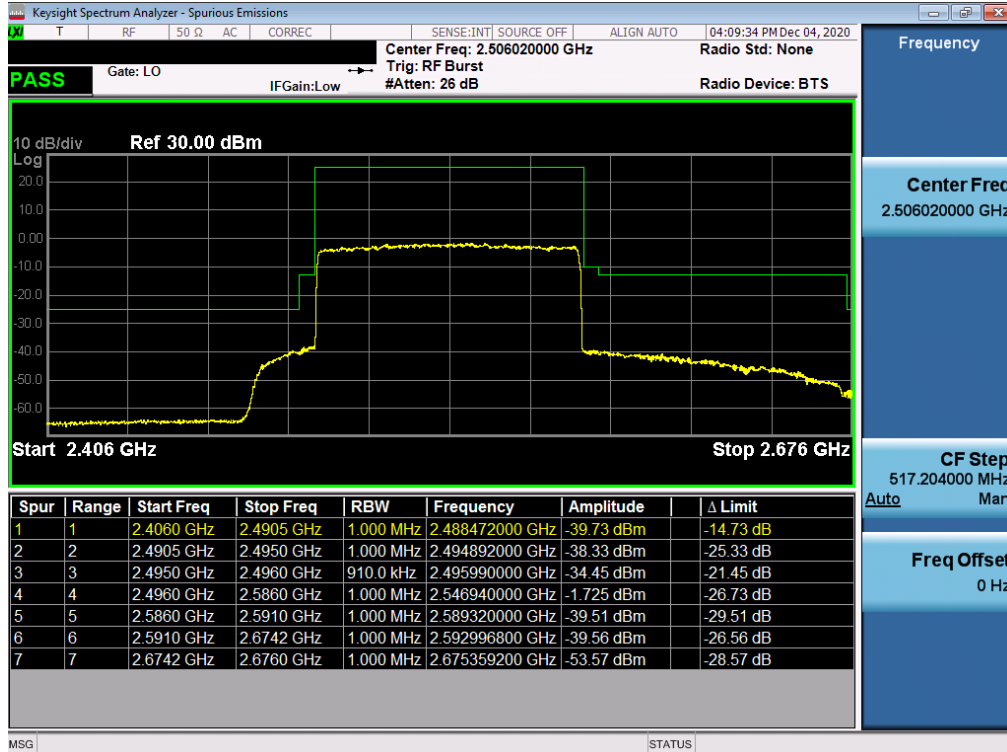


Plot 7-286. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB Configuration)

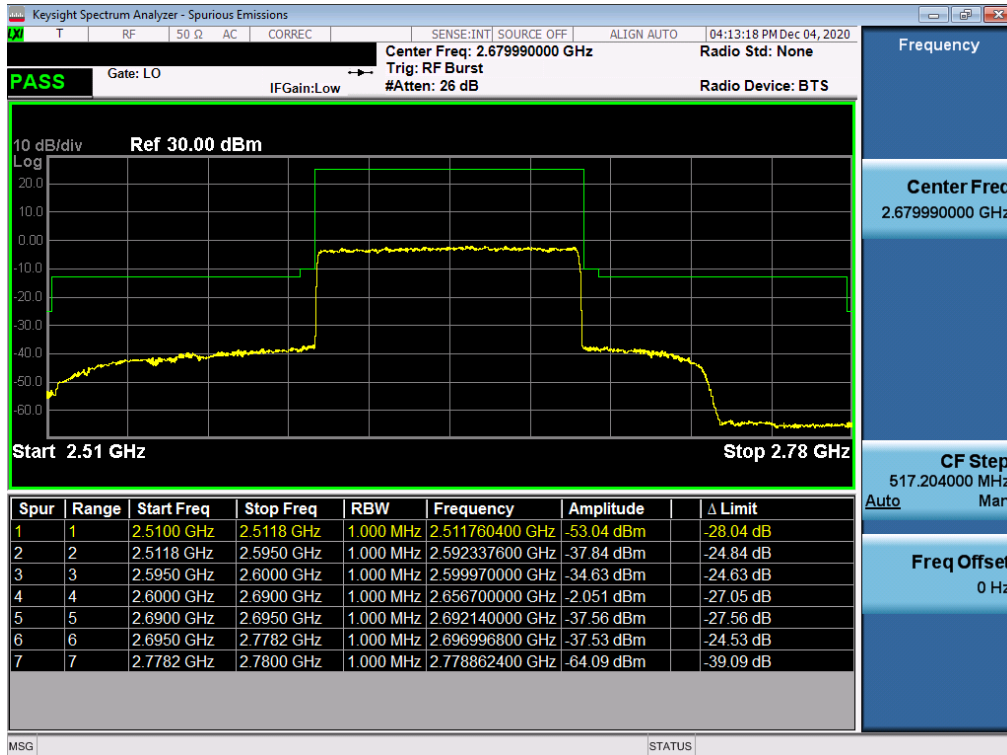


Plot 7-287. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 170 of 242

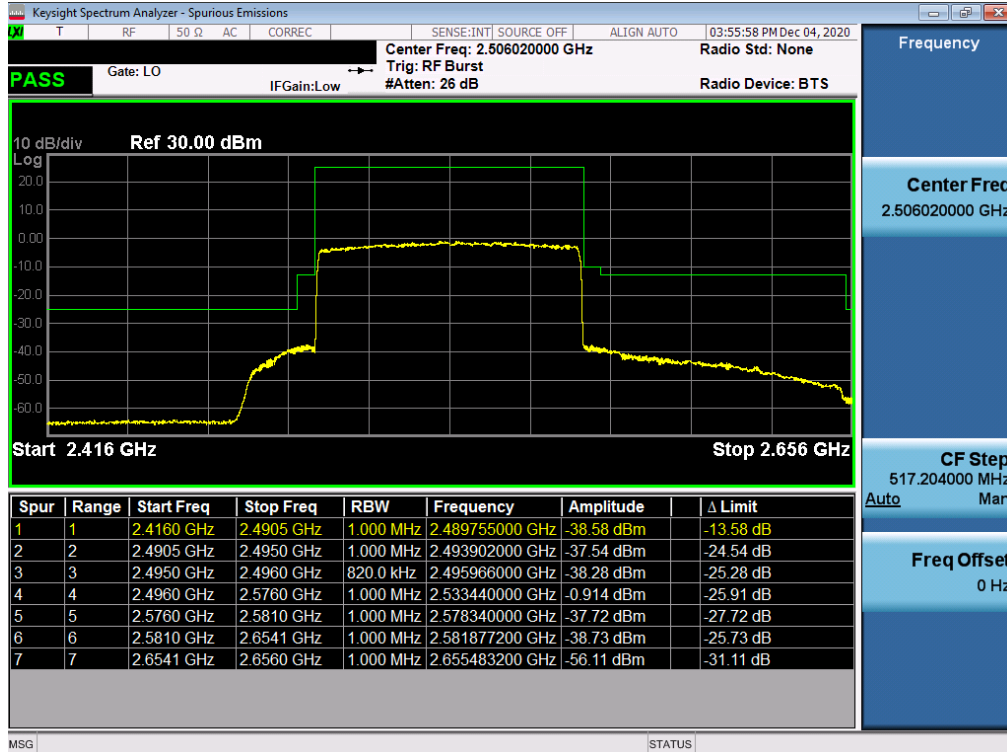


Plot 7-288. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK – Full RB Configuration)

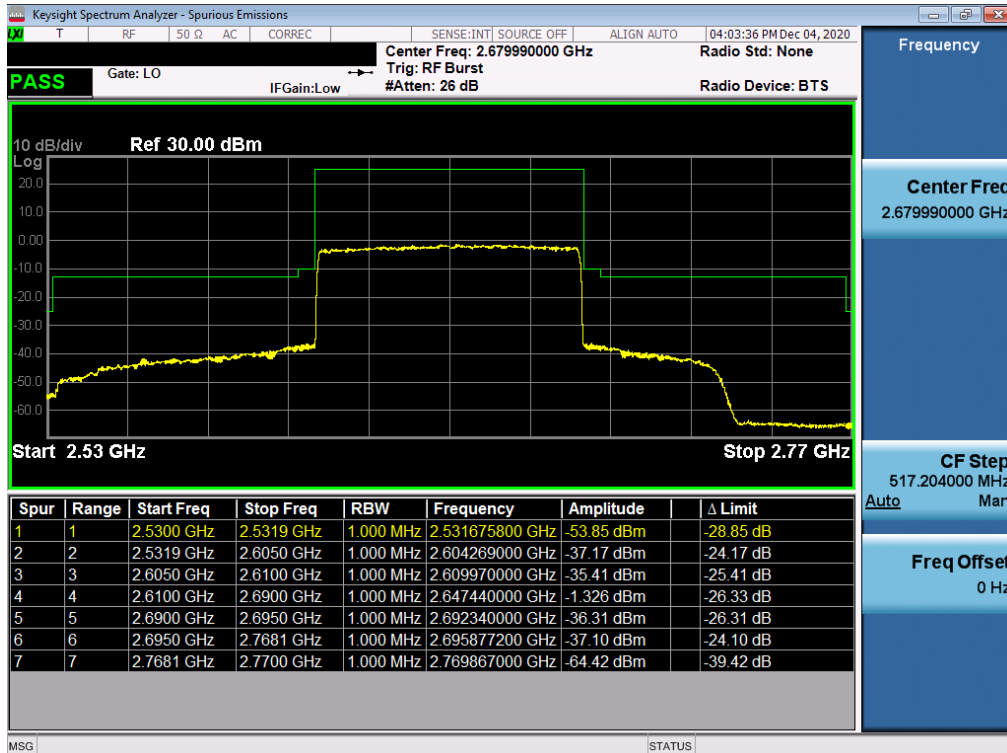


Plot 7-289. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 171 of 242

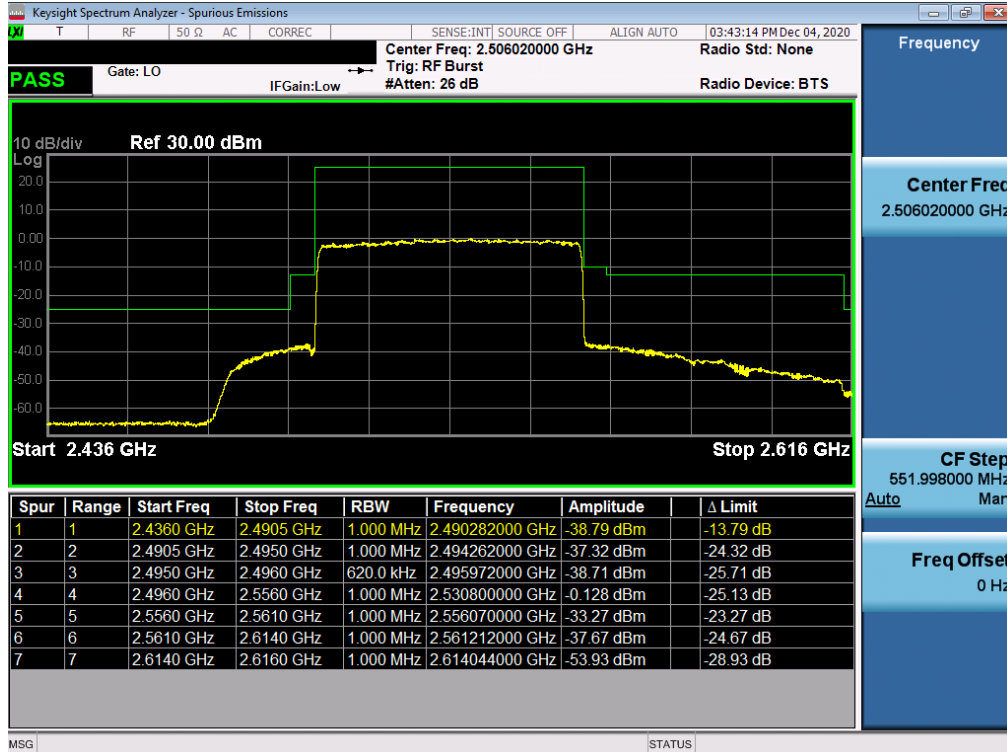


Plot 7-290. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK – Full RB Configuration)

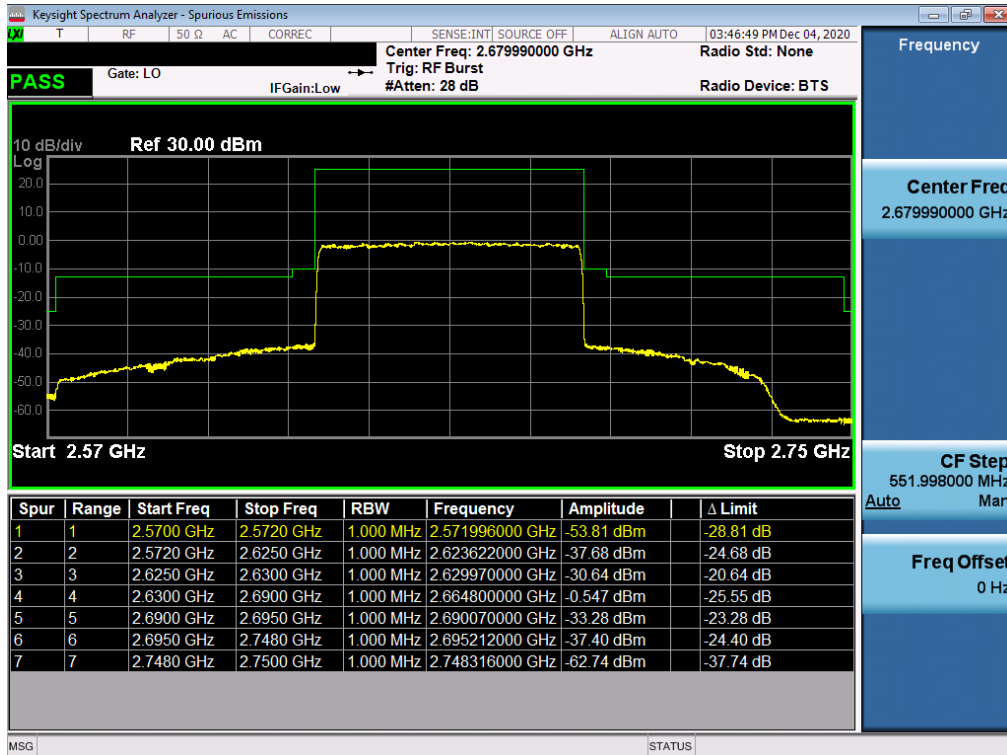


Plot 7-291. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 172 of 242

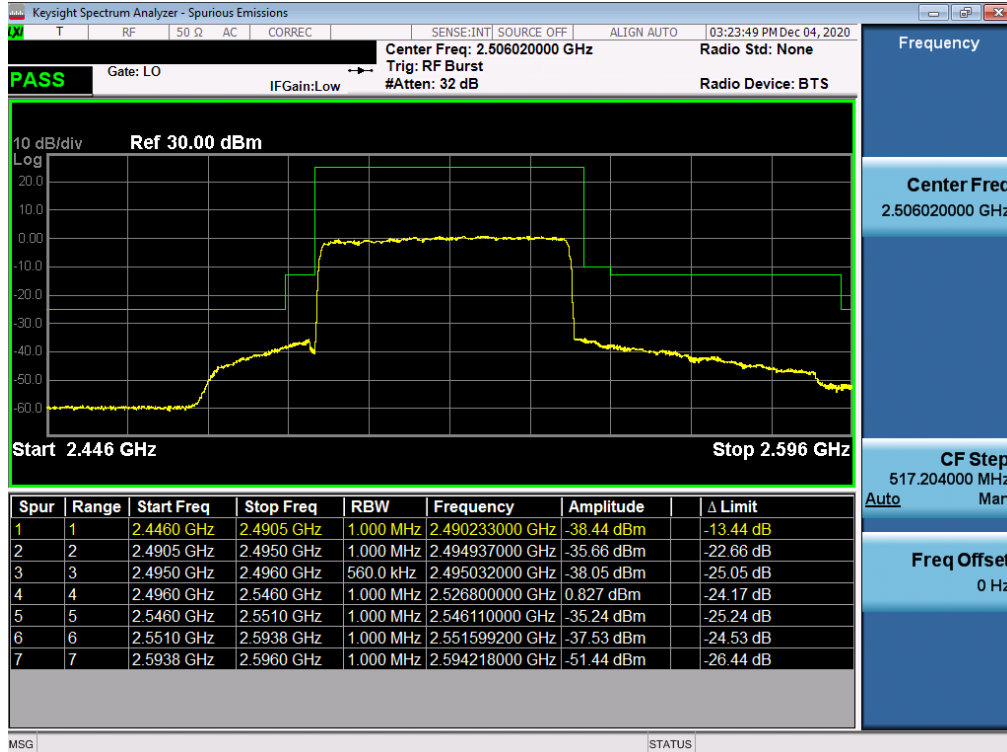


Plot 7-292. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK – Full RB Configuration)



Plot 7-293. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 173 of 242

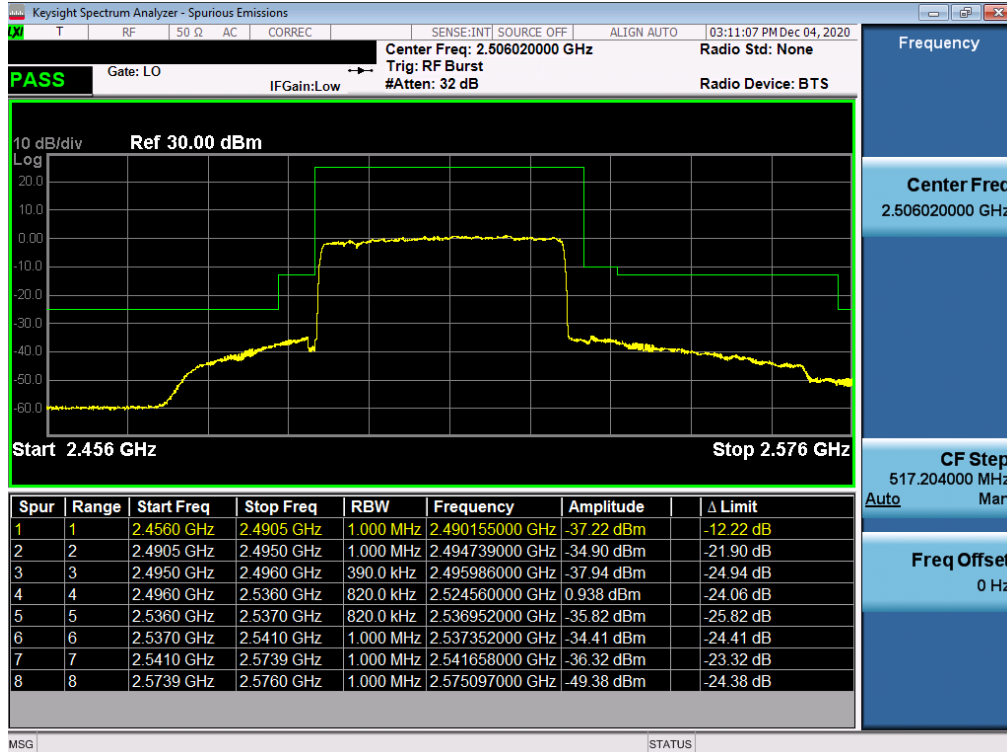


Plot 7-294. Lower ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK – Full RB Configuration)



Plot 7-295. Upper ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 174 of 242

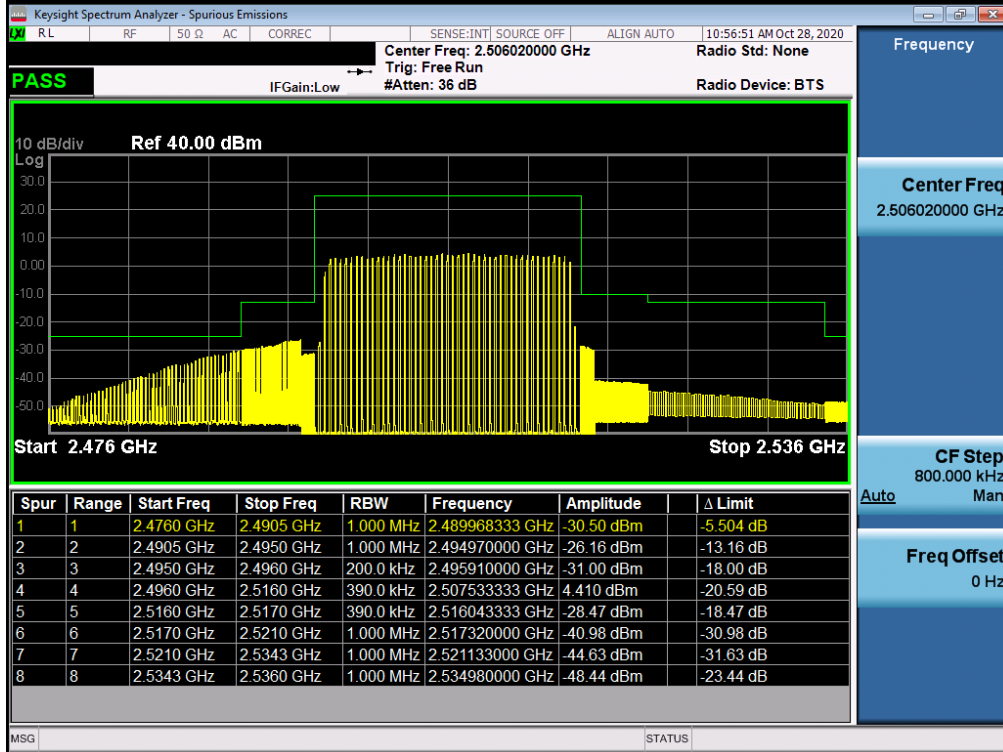


Plot 7-296. Lower ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK – Full RB Configuration)

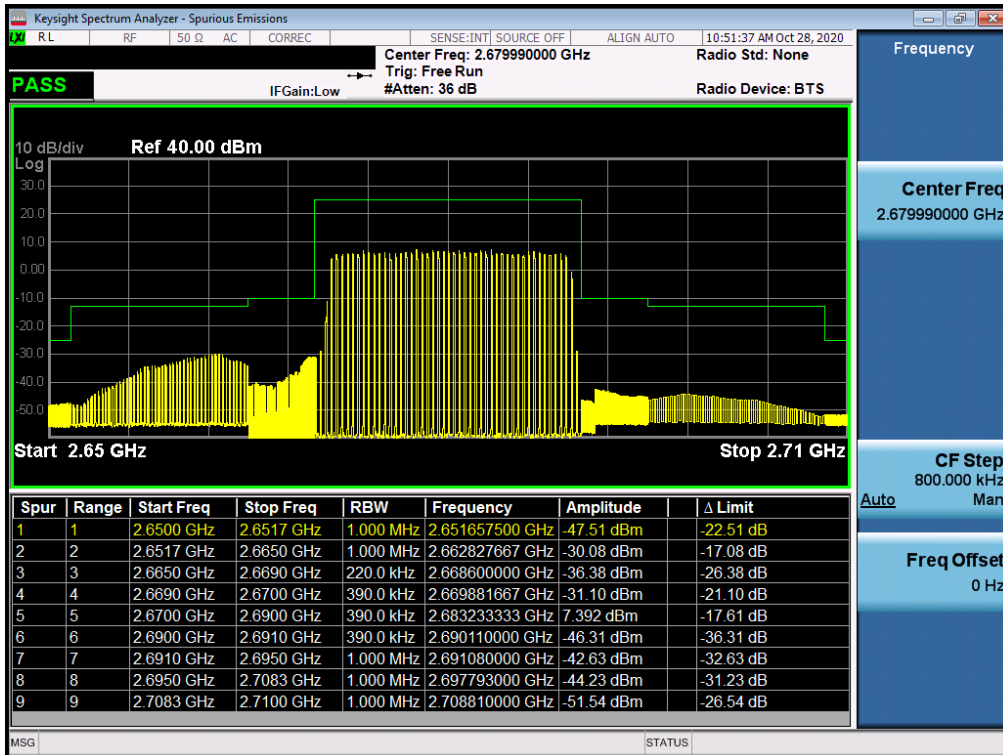


Plot 7-297. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 175 of 242



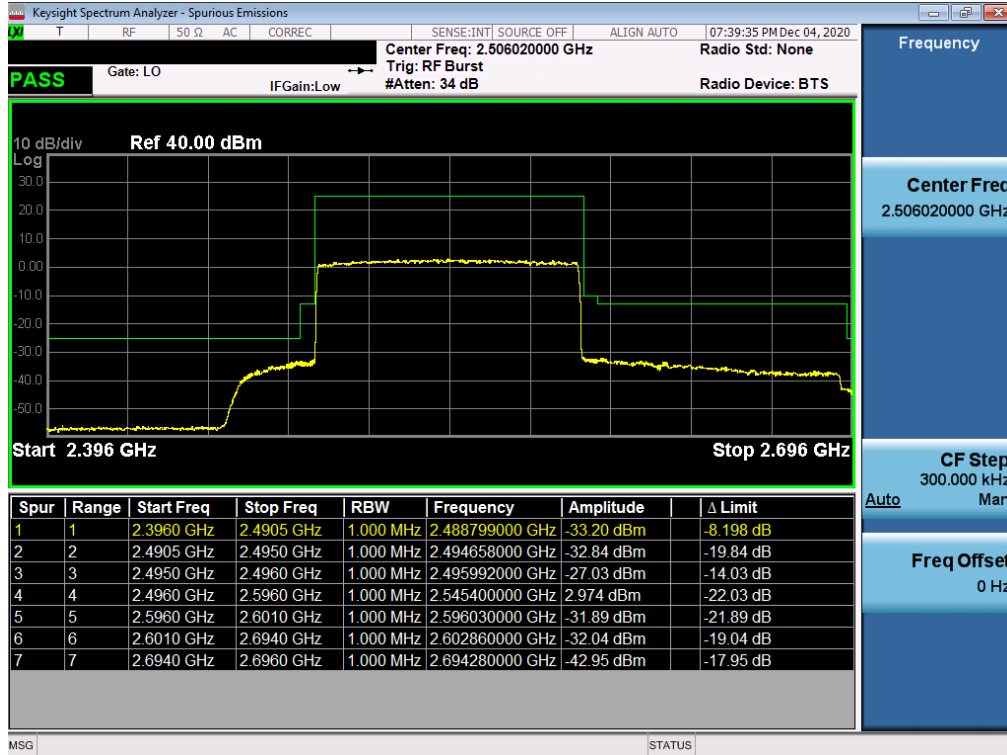
Plot 7-298. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB Configuration)



Plot 7-299. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 176 of 242

NR Band n41 PC3 – Antenna B



Plot 7-300. Lower ACP Plot (NR Band n41 PC3 – Antenna B - 100MHz CP-OFDM-QPSK – Full RB Configuration)

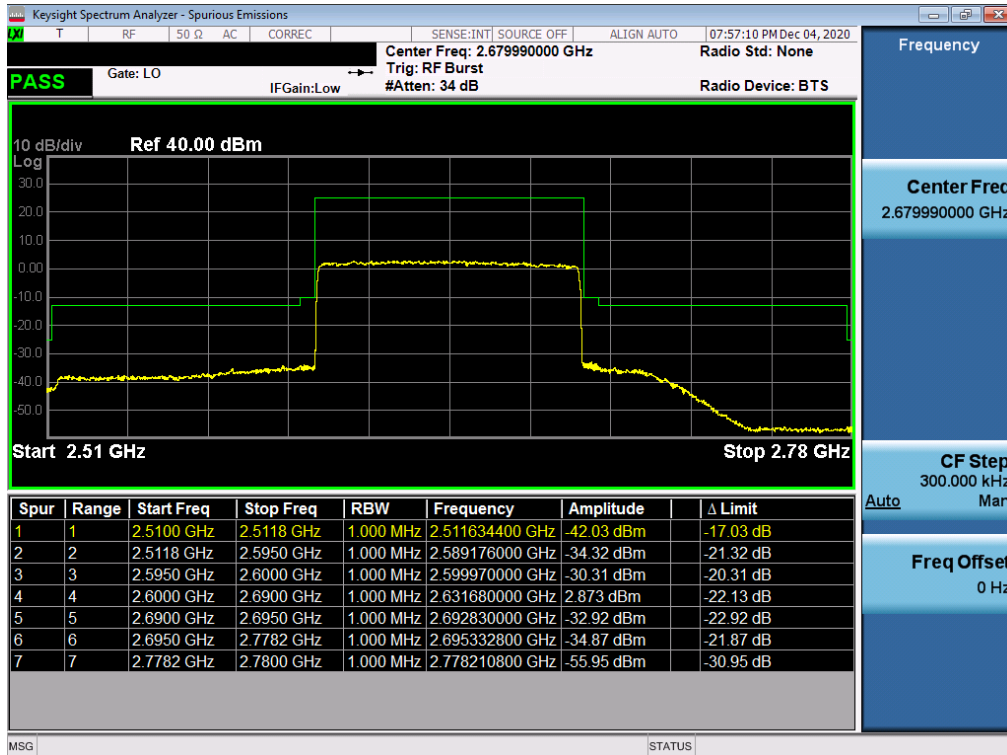


Plot 7-301. Upper ACP Plot (NR Band n41 PC3 – Antenna B - 100MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 177 of 242

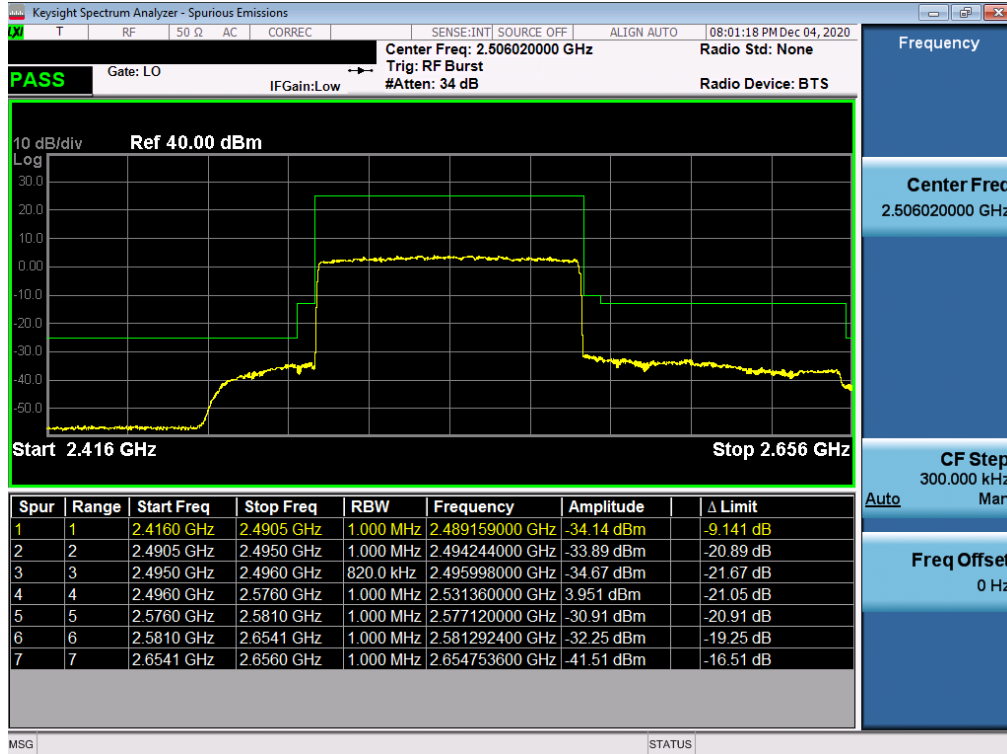


Plot 7-302. Lower ACP Plot (NR Band n41 PC3 – Antenna B - 90MHz CP-OFDM-QPSK – Full RB Configuration)

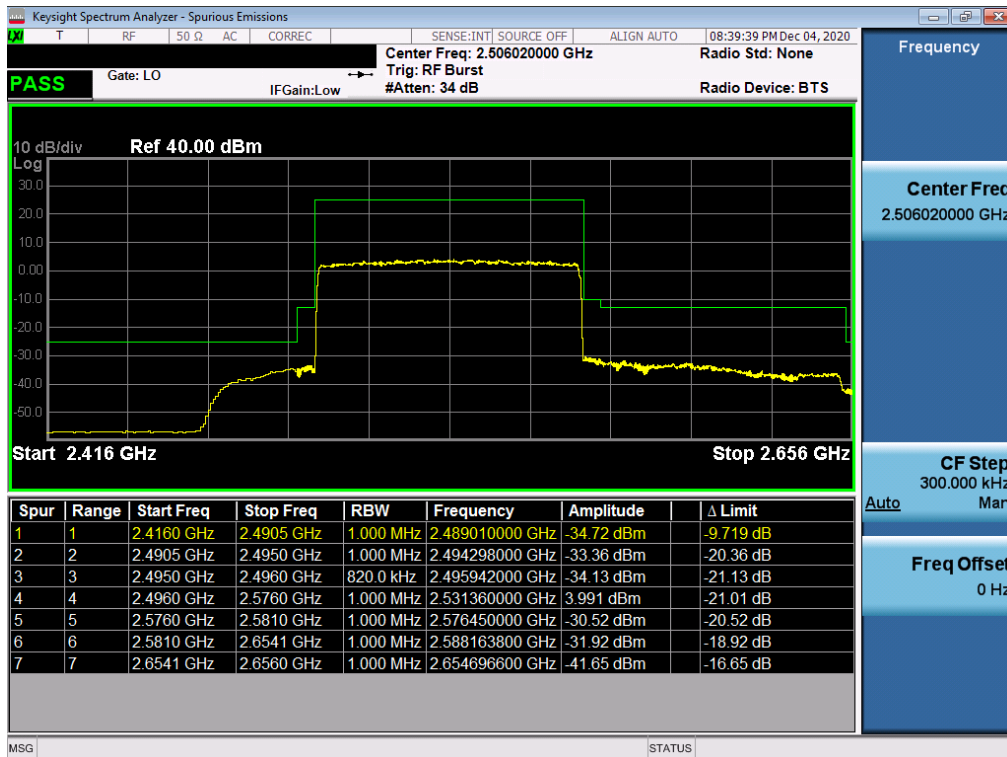


Plot 7-303. Upper ACP Plot (NR Band n41 PC3 – Antenna B - 90MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 178 of 242



Plot 7-304. Lower ACP Plot (NR Band n41 PC3 – Antenna B - 80MHz CP-OFDM-QPSK – Full RB Configuration)

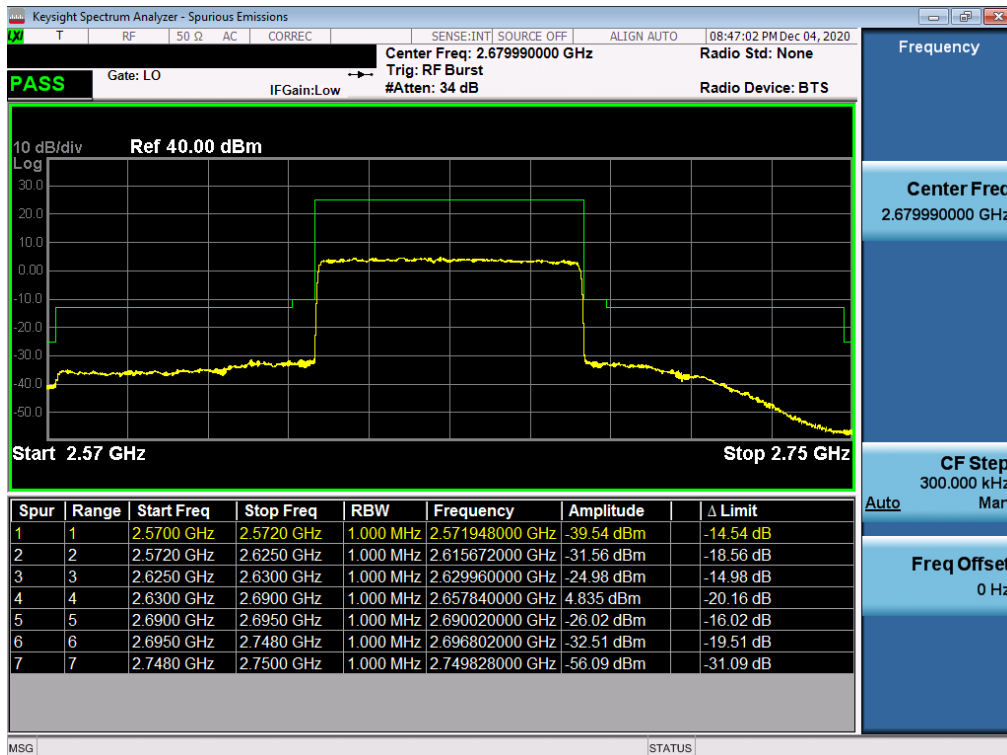


Plot 7-305. Upper ACP Plot (NR Band n41 PC3 – Antenna B - 80MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 179 of 242

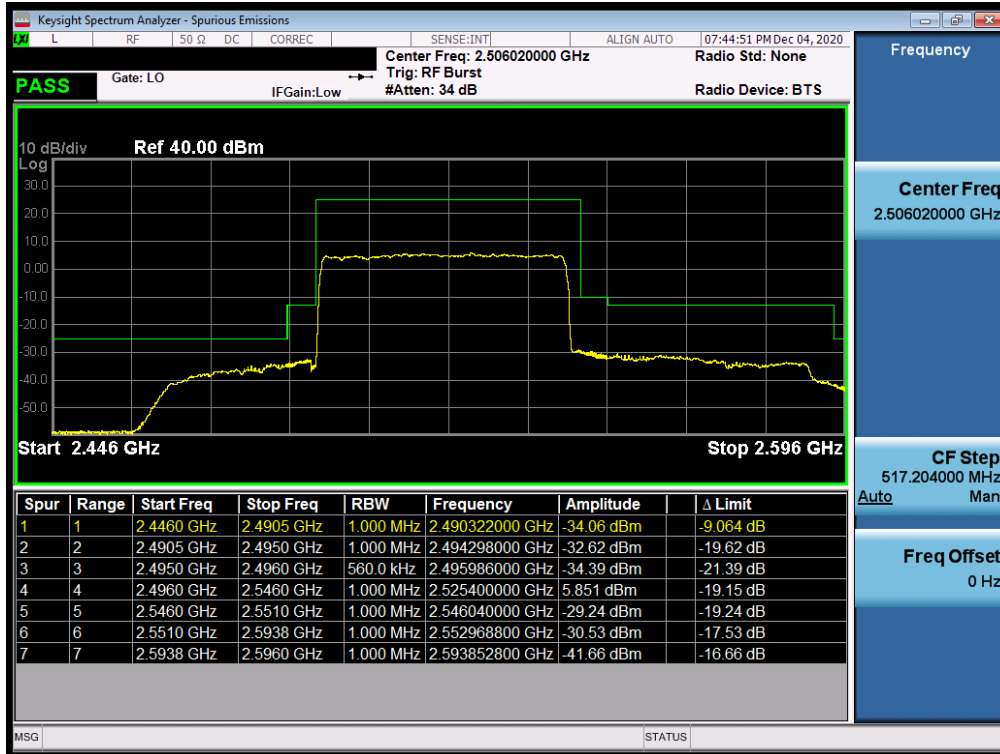


Plot 7-306. Lower ACP Plot (NR Band n41 PC3 – Antenna B - 60MHz CP-OFDM-QPSK – Full RB Configuration)

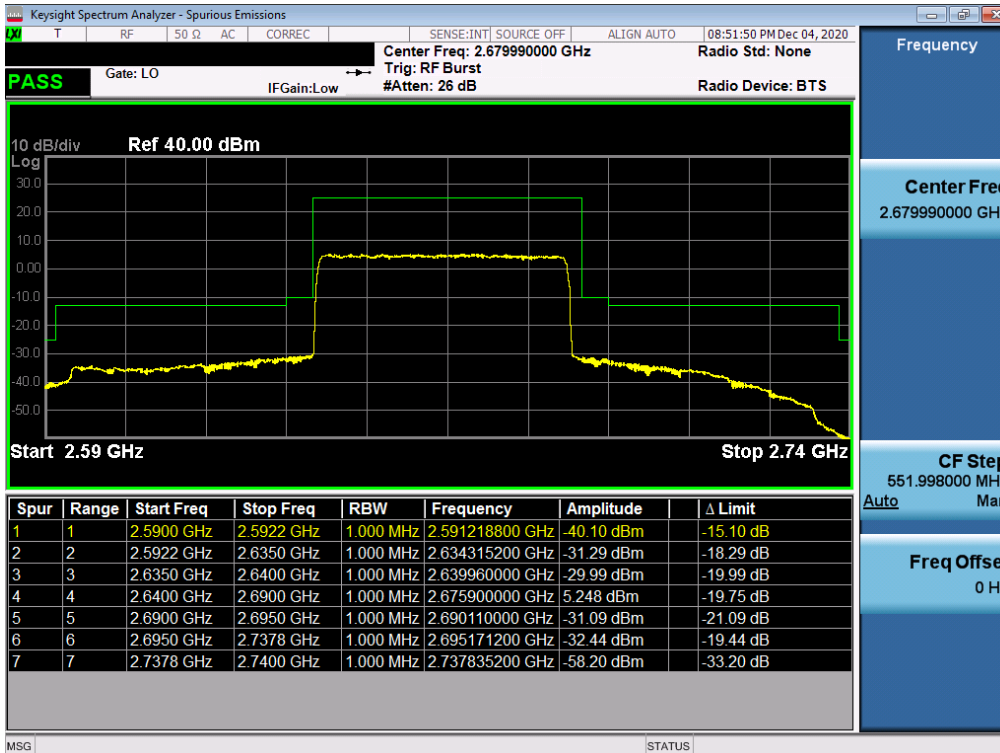


Plot 7-307. Upper ACP Plot (NR Band n41 PC3 – Antenna B - 60MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 180 of 242



Plot 7-308. Lower ACP Plot (NR Band n41 PC3 – Antenna B - 50MHz CP-OFDM-QPSK – Full RB Configuration)



Plot 7-309. Upper ACP Plot (NR Band n41 PC3 – Antenna B - 50MHz CP-OFDM-QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-21-R1.A3L	Test Dates: 09/15/2020 – 12/10/2020	EUT Type: Portable Handset		Page 181 of 242