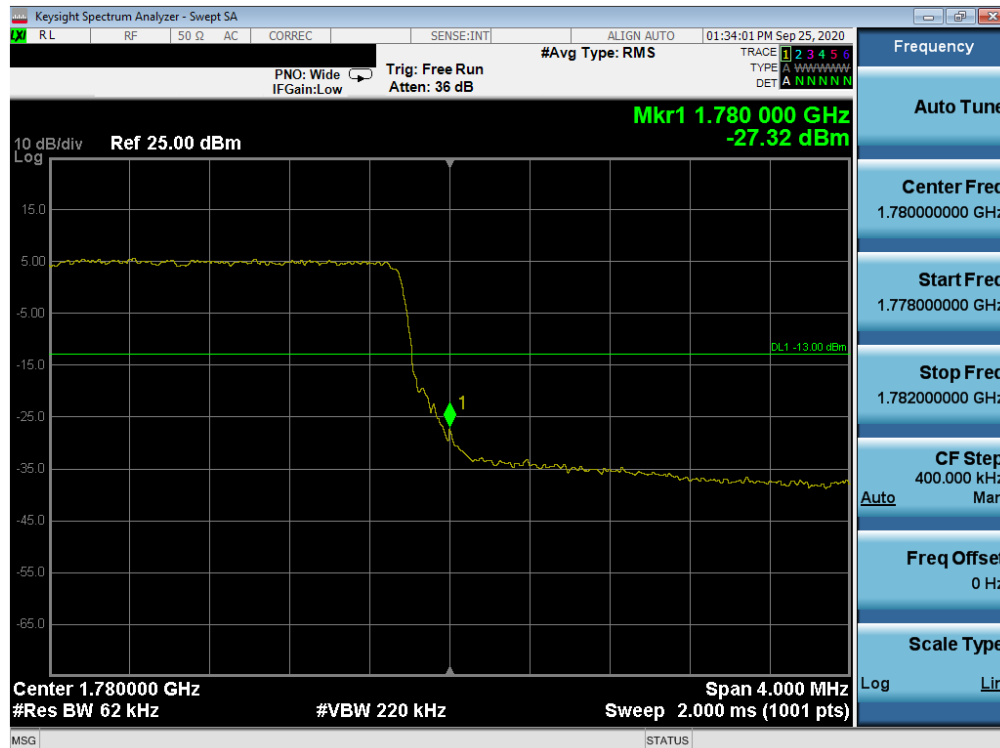
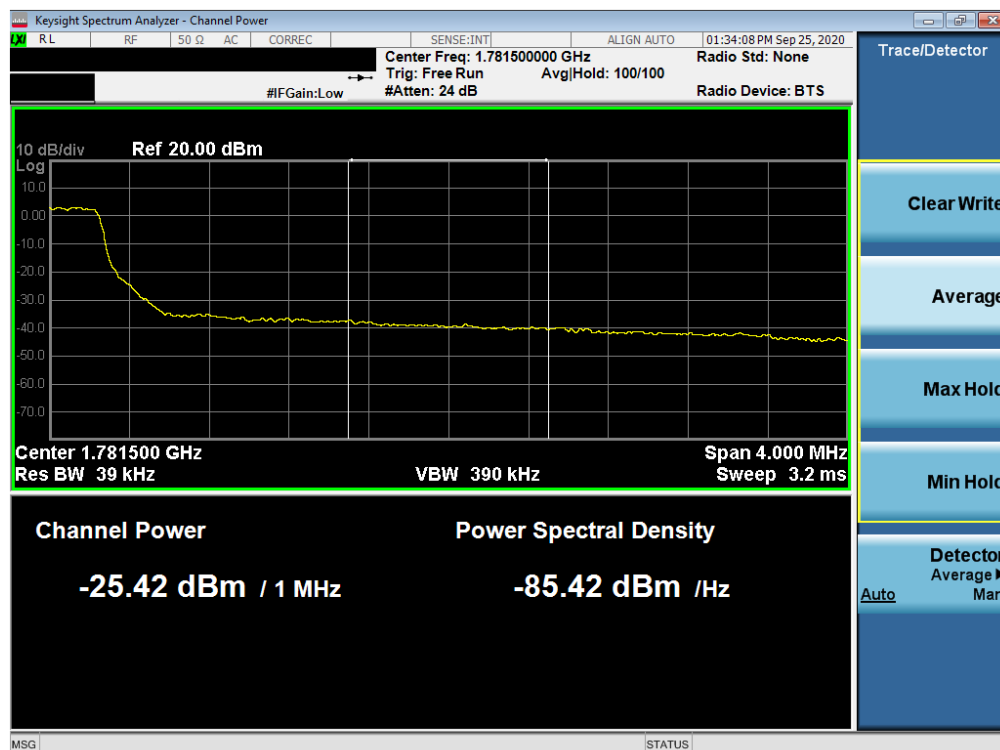


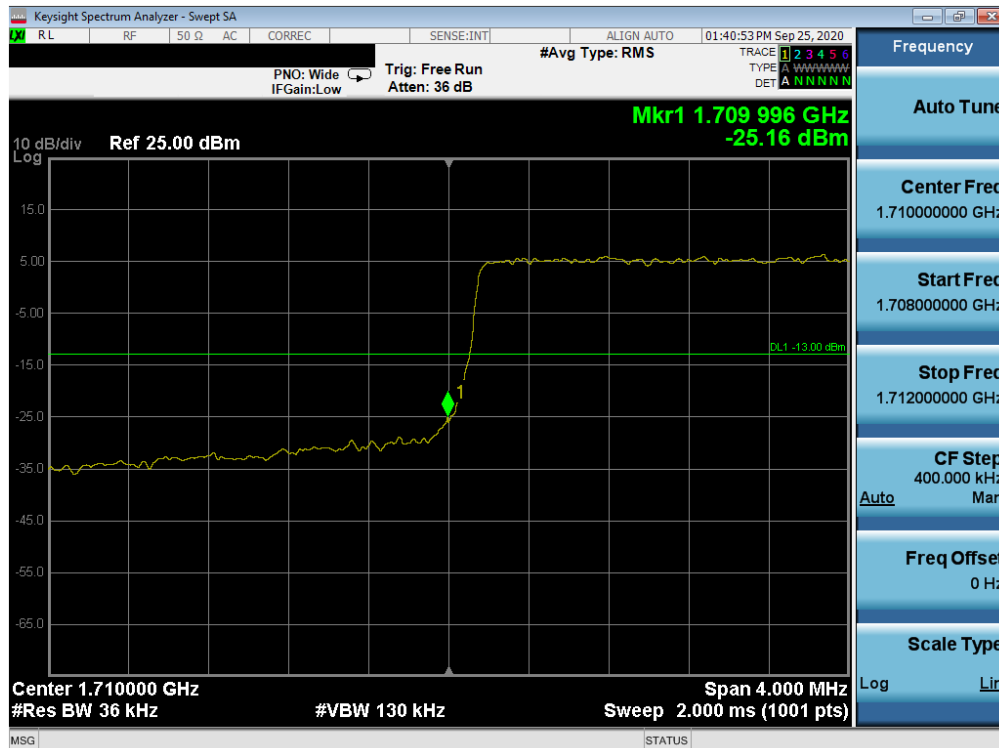


Plot 7-225. Upper Band Edge Plot (LTE Band 66 - 5MHz QPSK – Full RB Configuration)

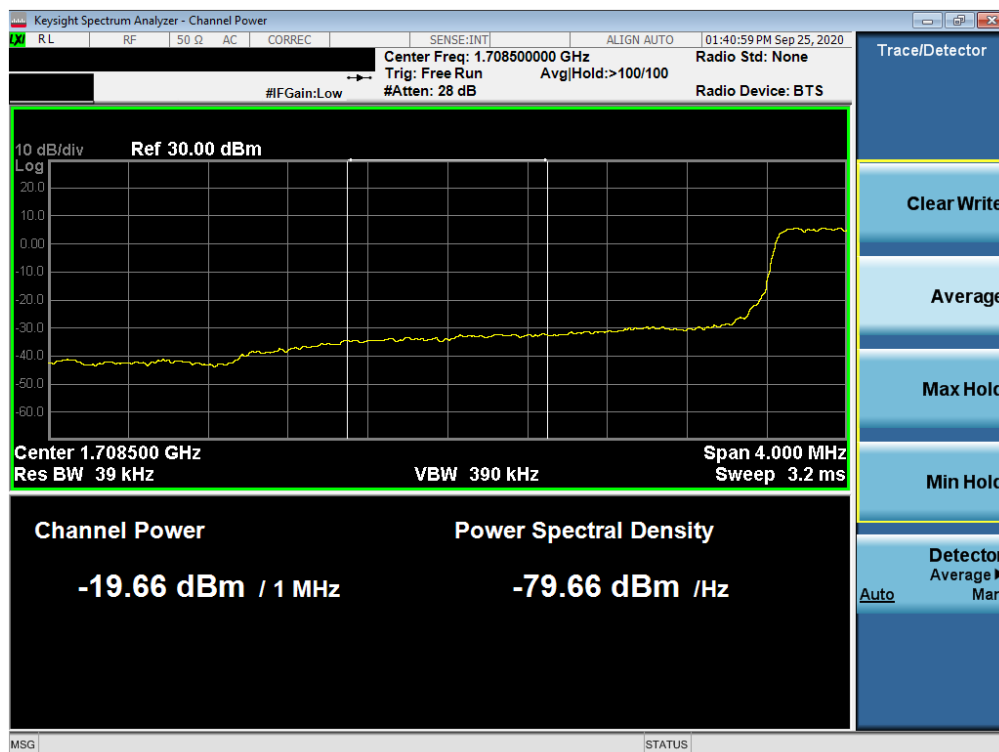


Plot 7-226. Upper Extended Band Edge Plot (LTE Band 66 - 5MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 127 of 297                 |



Plot 7-227. Lower Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB Configuration)

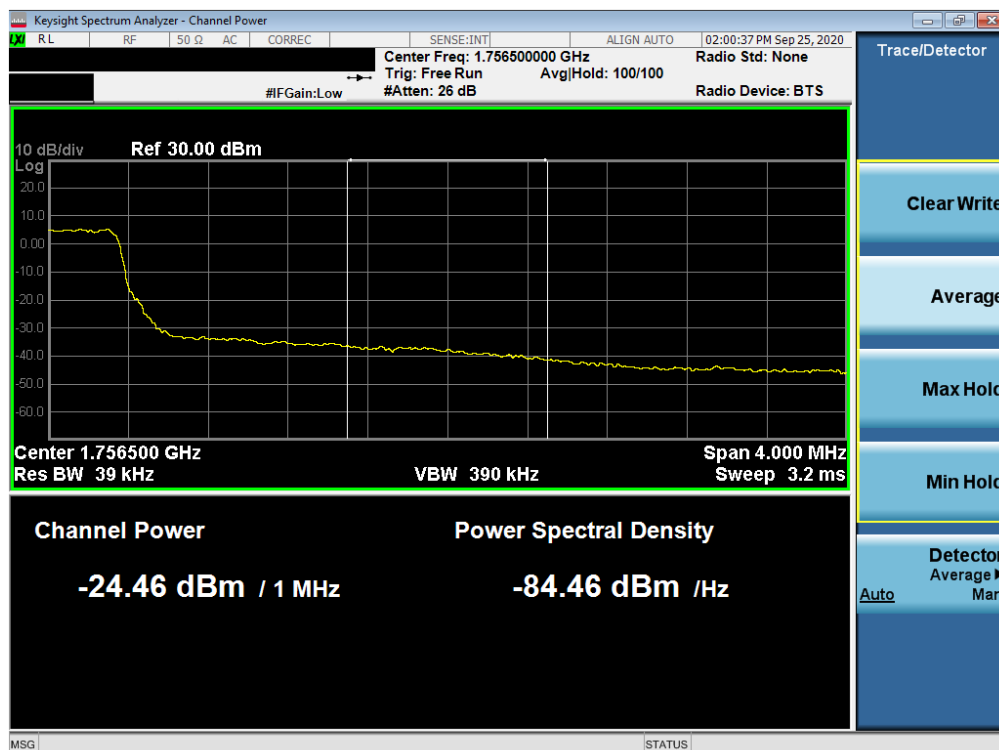


Plot 7-228. Lower Extended Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 128 of 297                 |

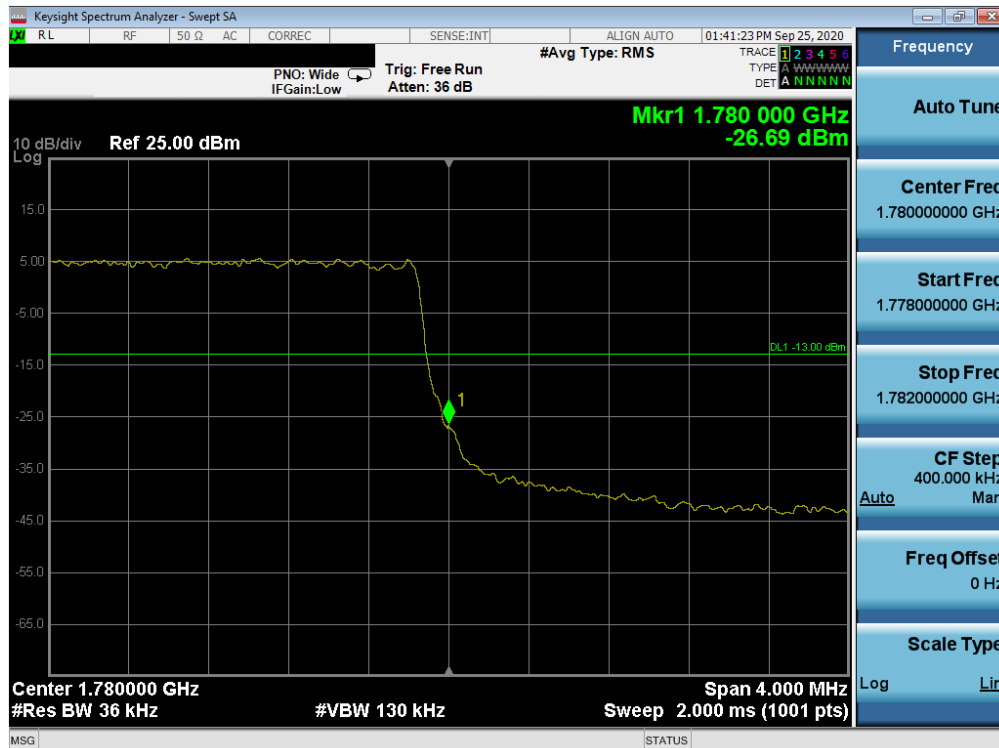


Plot 7-229. Upper Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB Configuration)

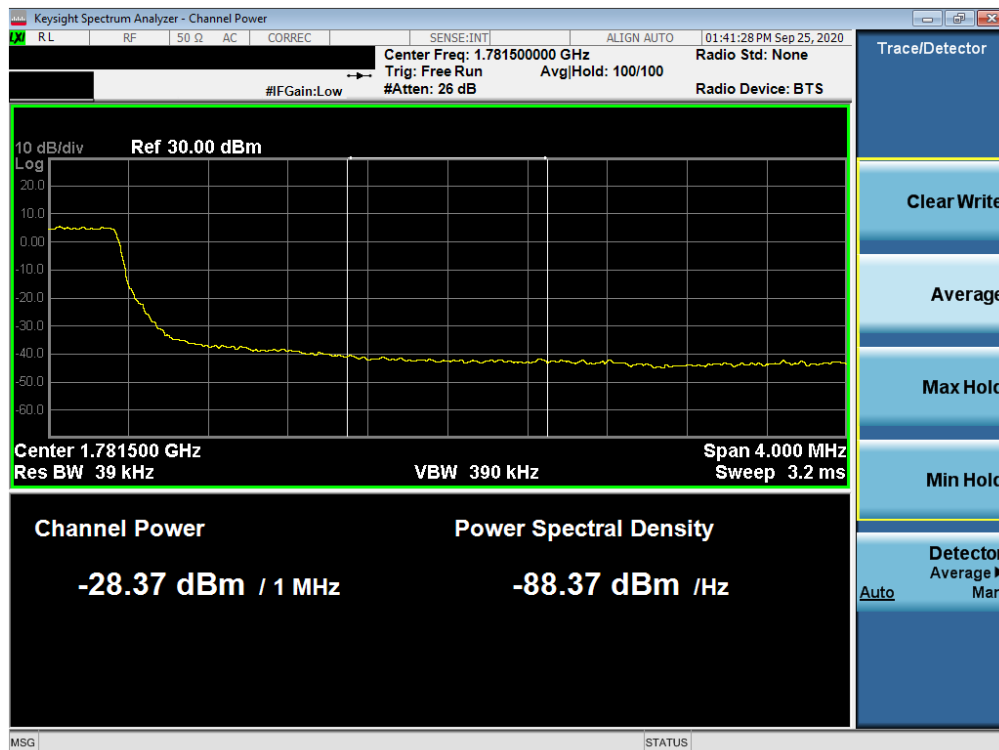


Plot 7-230. Upper Extended Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 129 of 297                 |

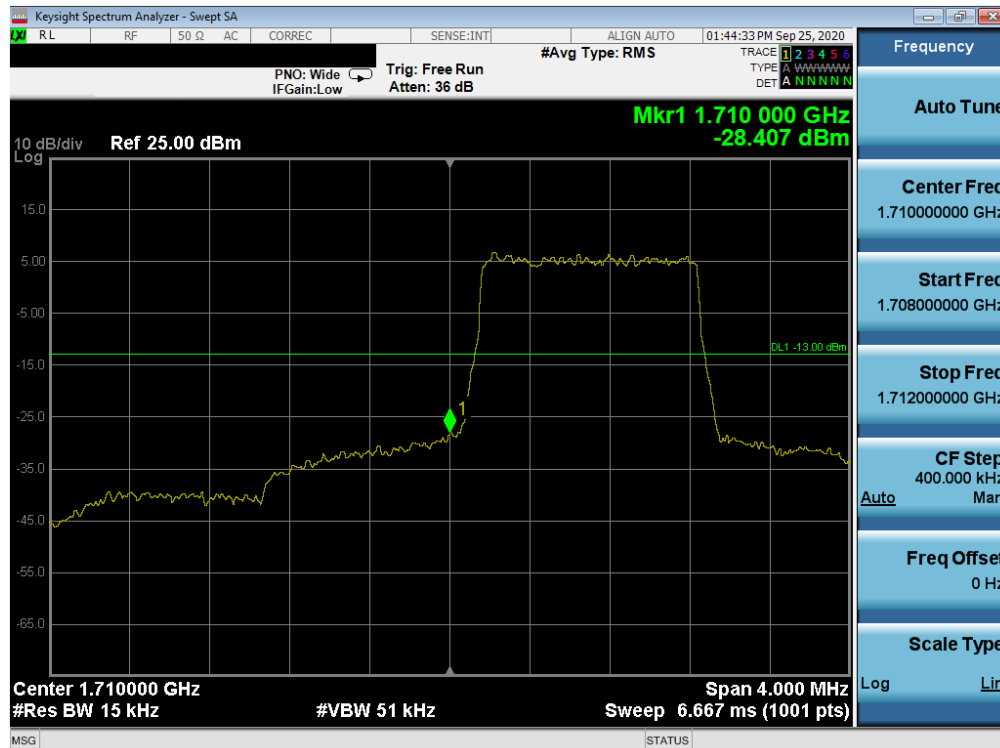


Plot 7-231. Upper Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB Configuration)

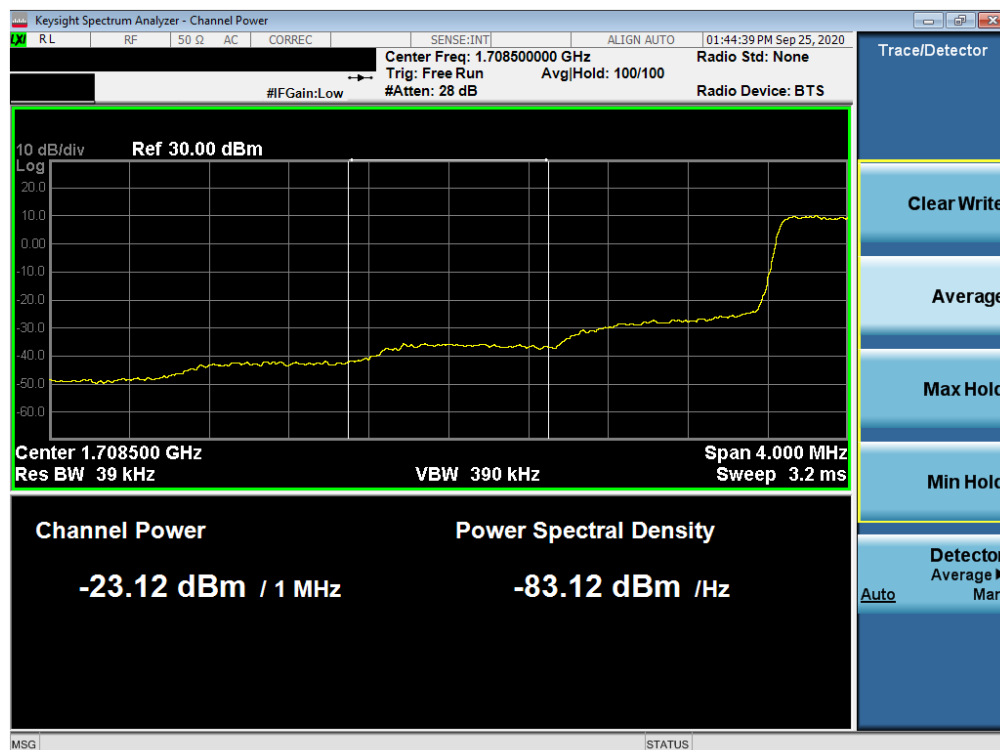


Plot 7-232. Upper Extended Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 130 of 297                 |

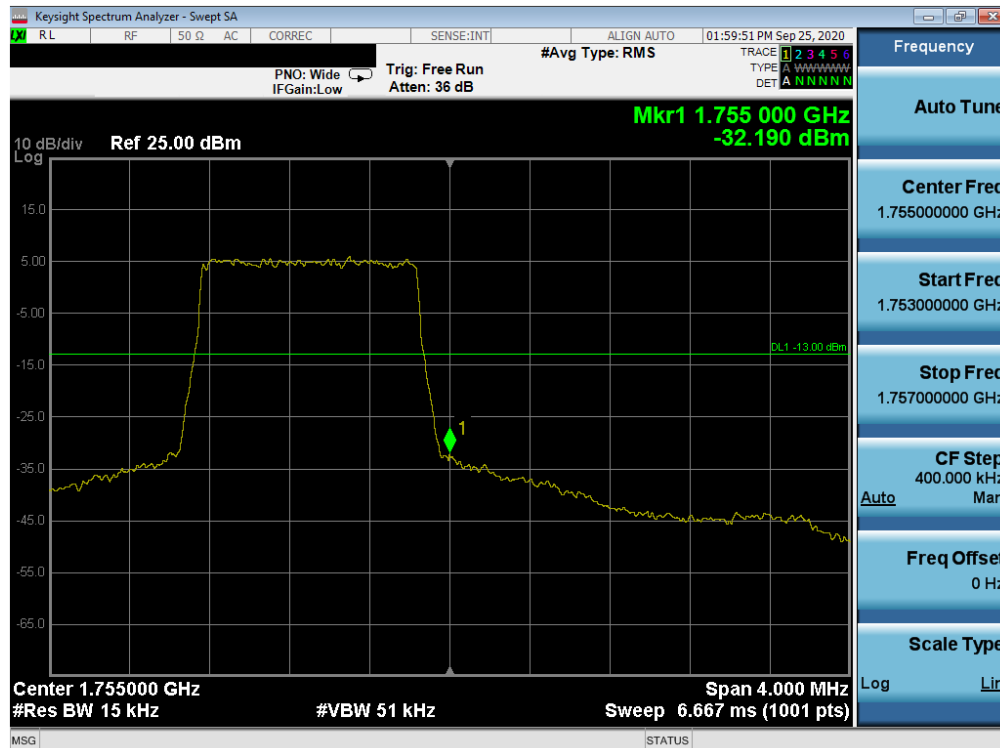


Plot 7-233. Lower Band Edge Plot (LTE Band 66/4 – 1.4MHz QPSK – Full RB Configuration)

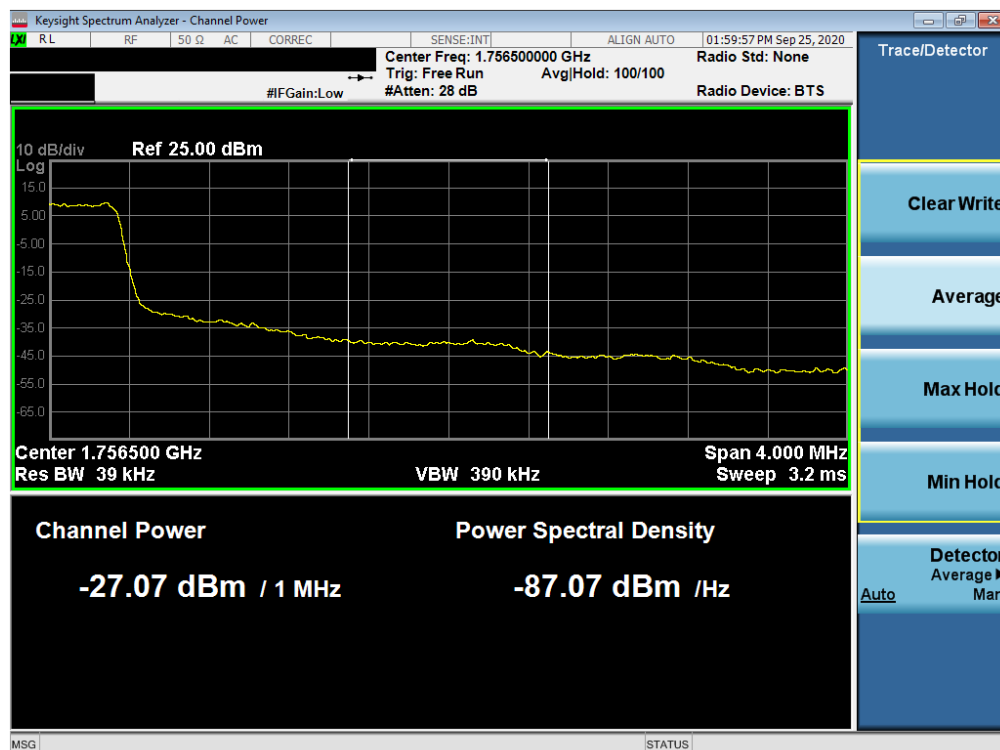


Plot 7-234. Lower Extended Band Edge Plot (LTE Band 66/4 – 1.4MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 131 of 297                 |

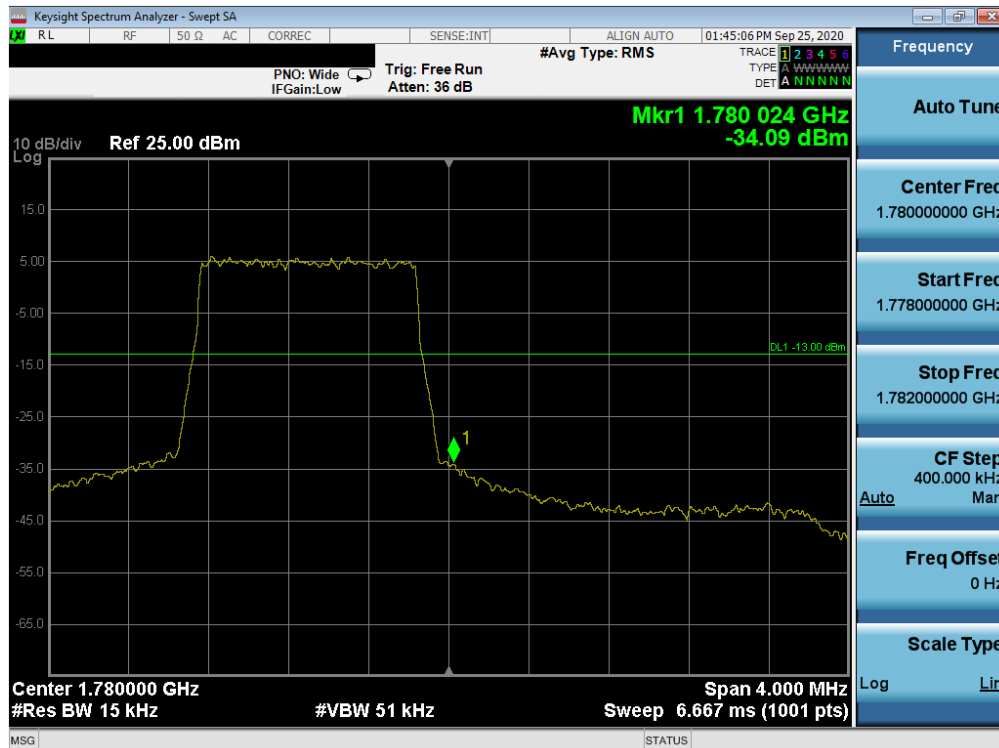


Plot 7-235. Upper Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB Configuration)

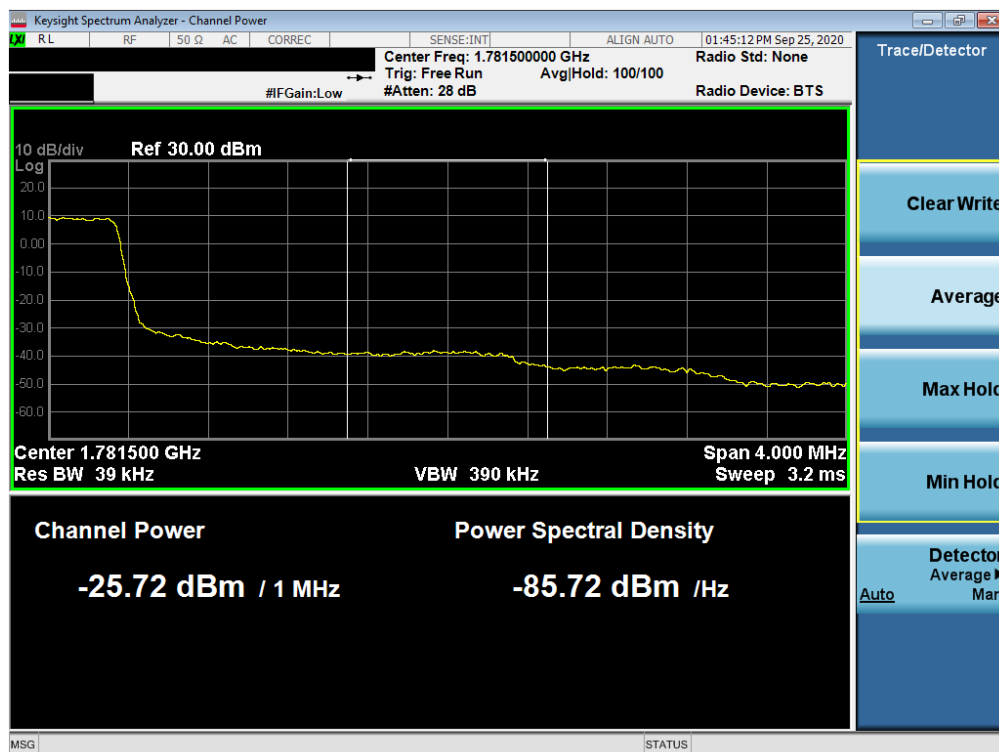


Plot 7-236. Upper Extended Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 132 of 297                 |



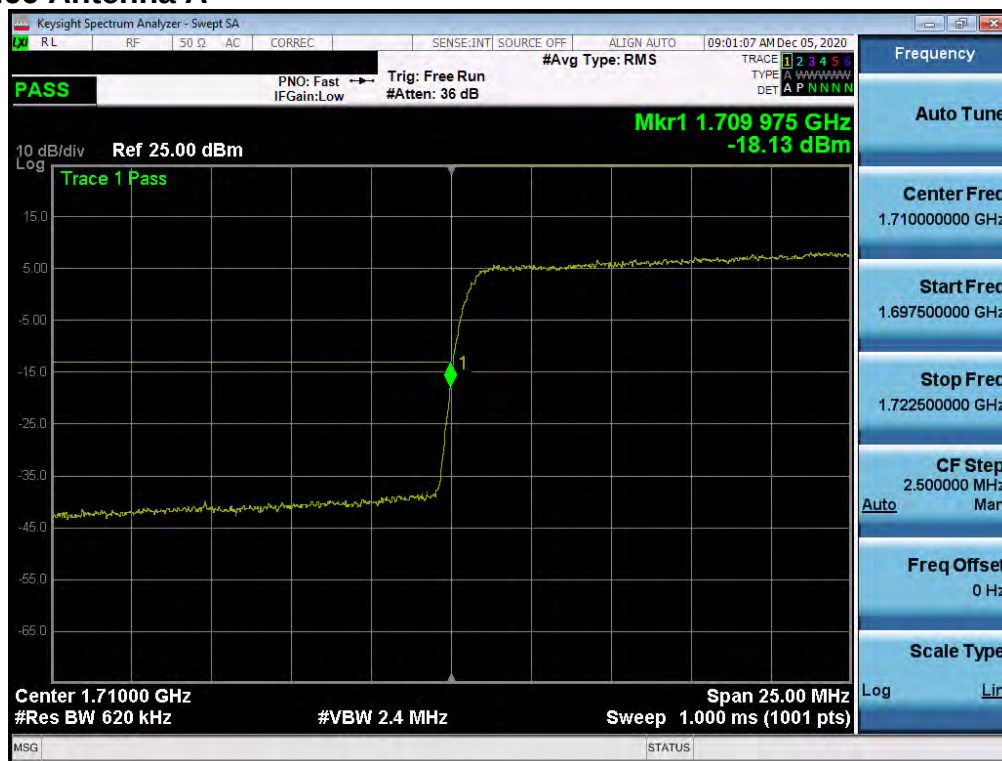
Plot 7-237. Upper Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB Configuration)



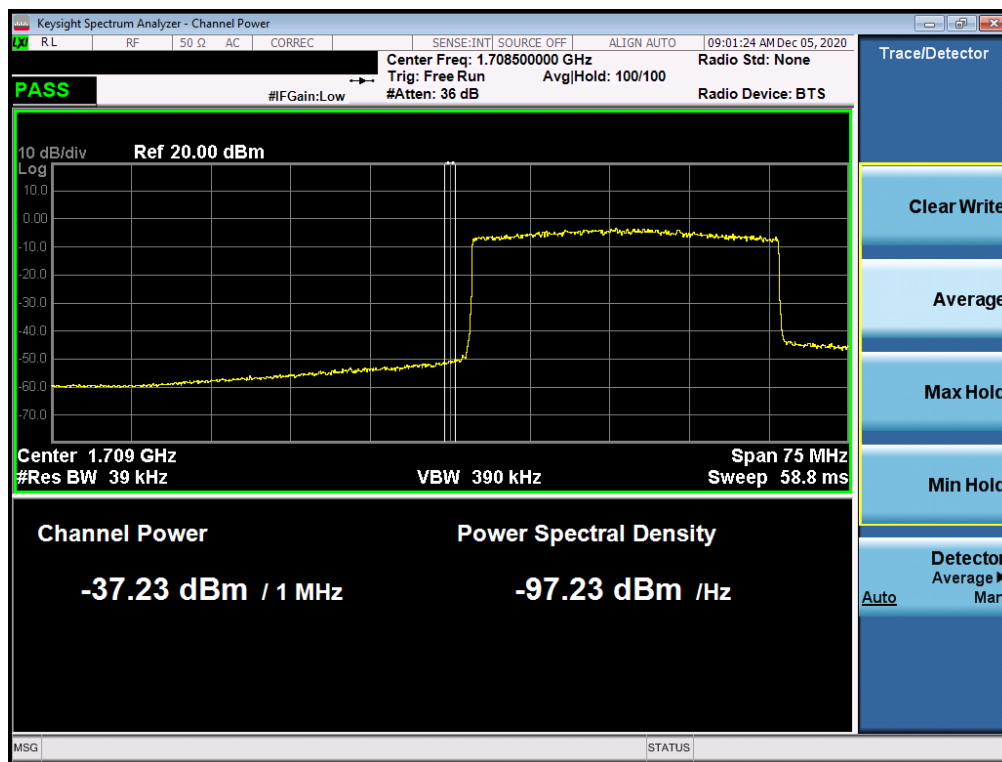
Plot 7-238. Upper Extended Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB Configuration)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 133 of 297                 |

## NR Band n66 Antenna A

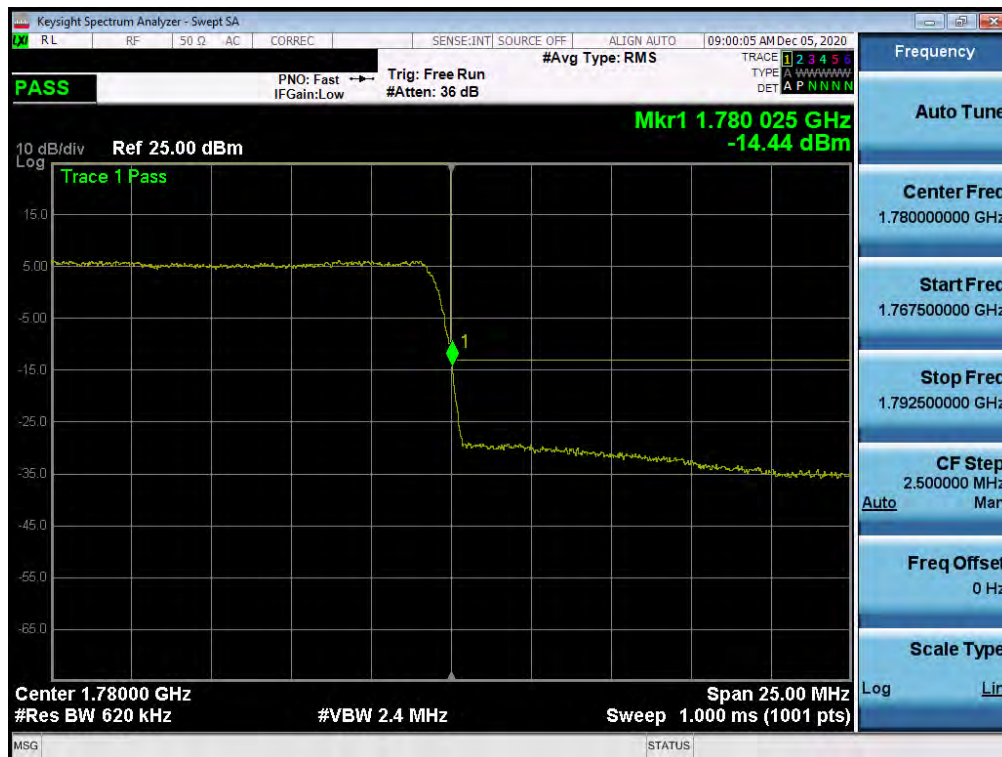


Plot 7-239. Lower Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

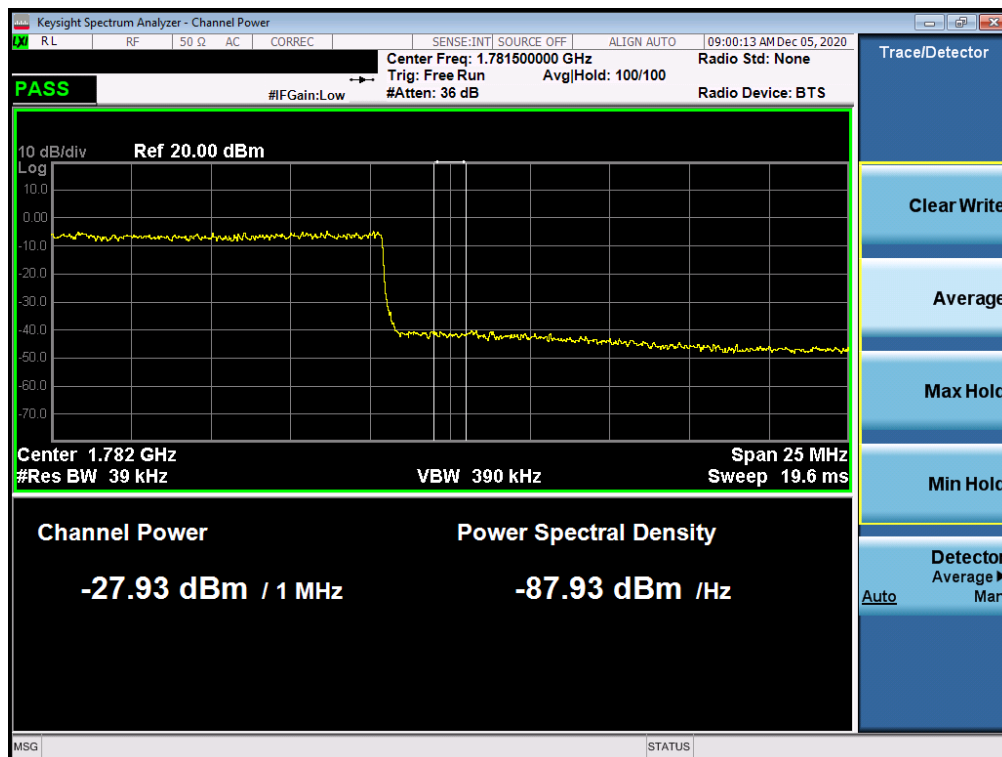


Plot 7-240. Lower Extended Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 134 of 297                 |

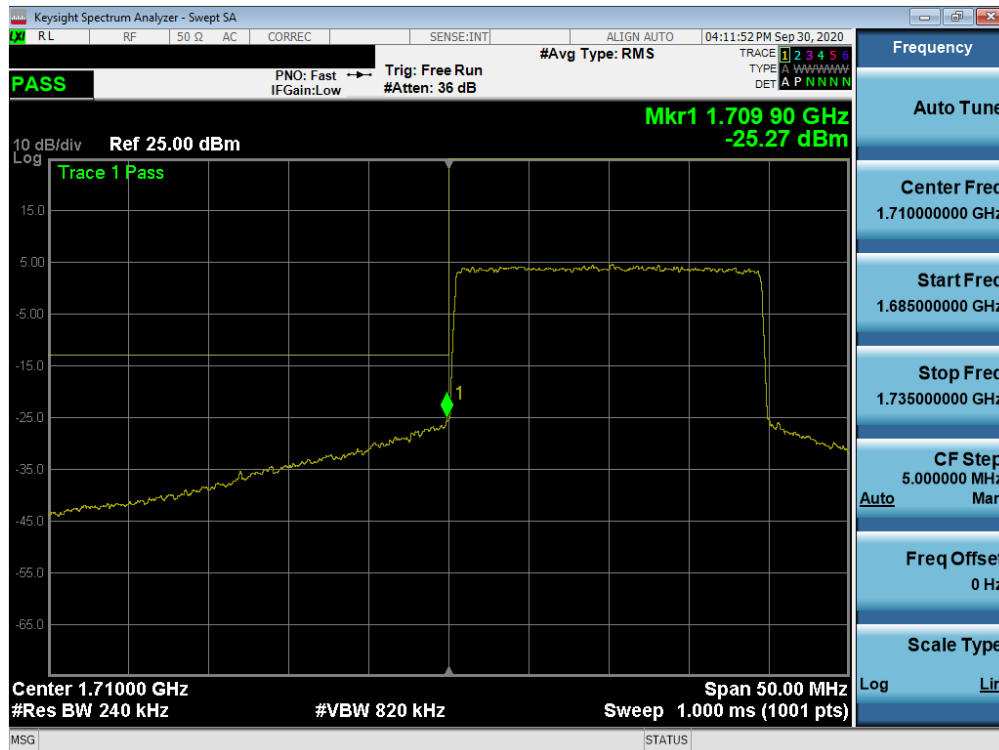


Plot 7-241. Upper Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

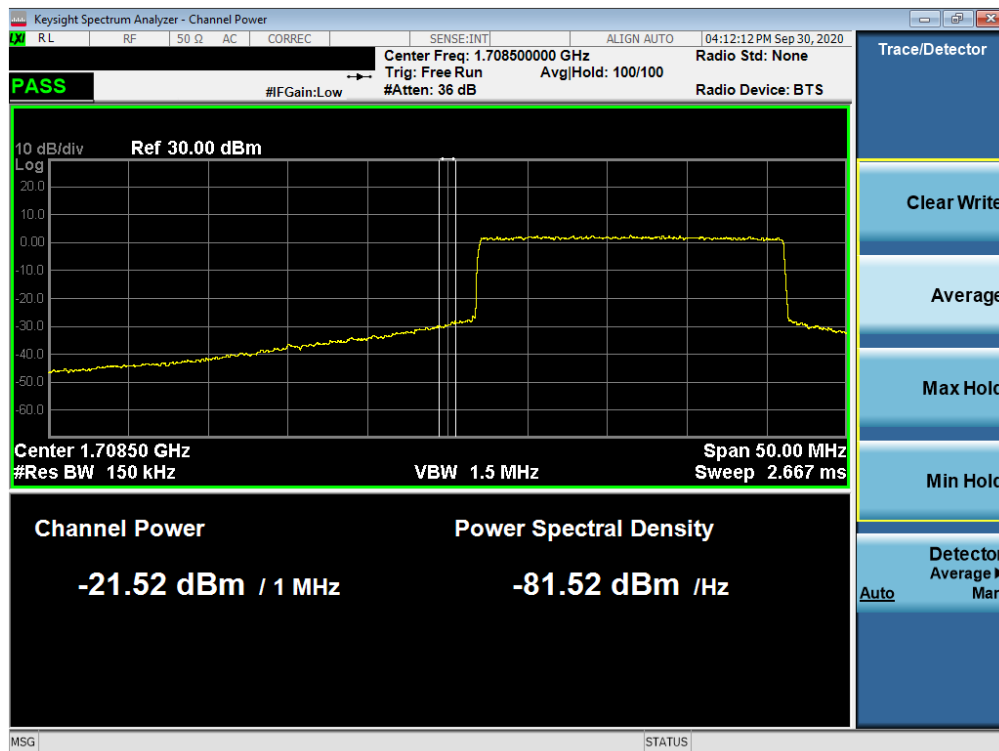


Plot 7-242. Upper Extended Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 135 of 297                 |

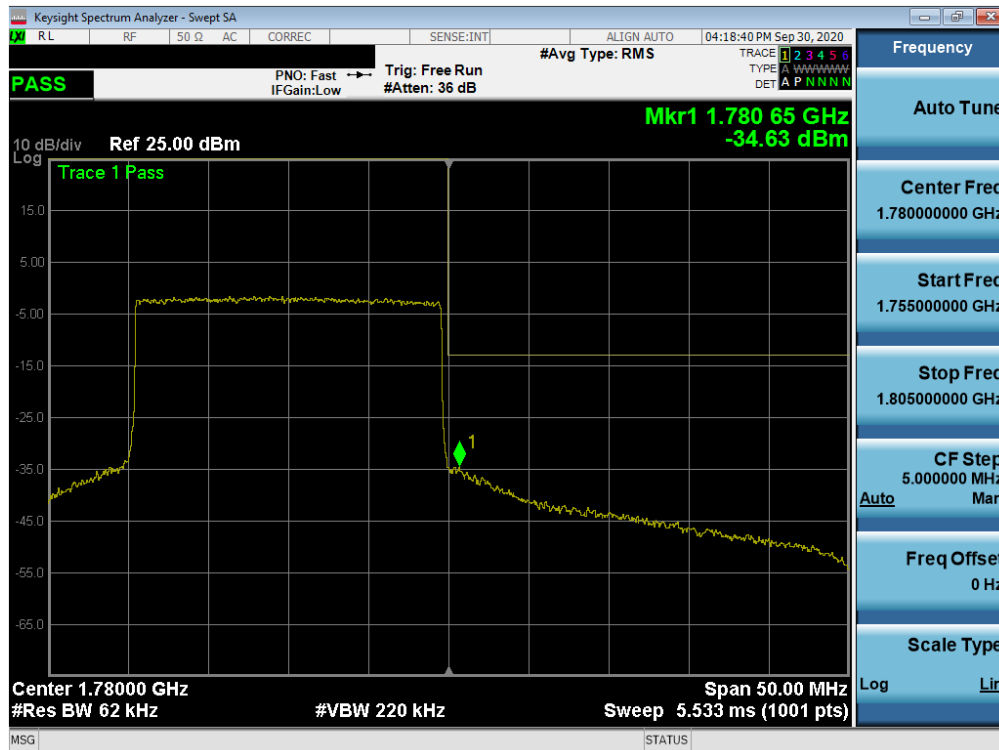


Plot 7-243. Lower Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

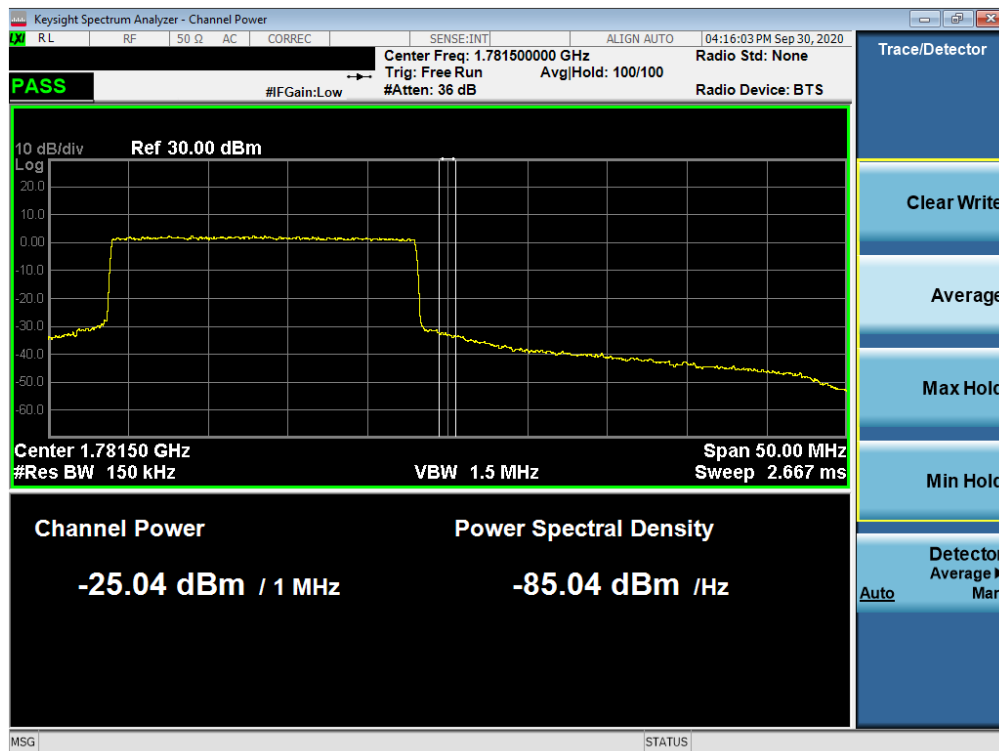


Plot 7-244. Lower Extended Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 136 of 297                 |

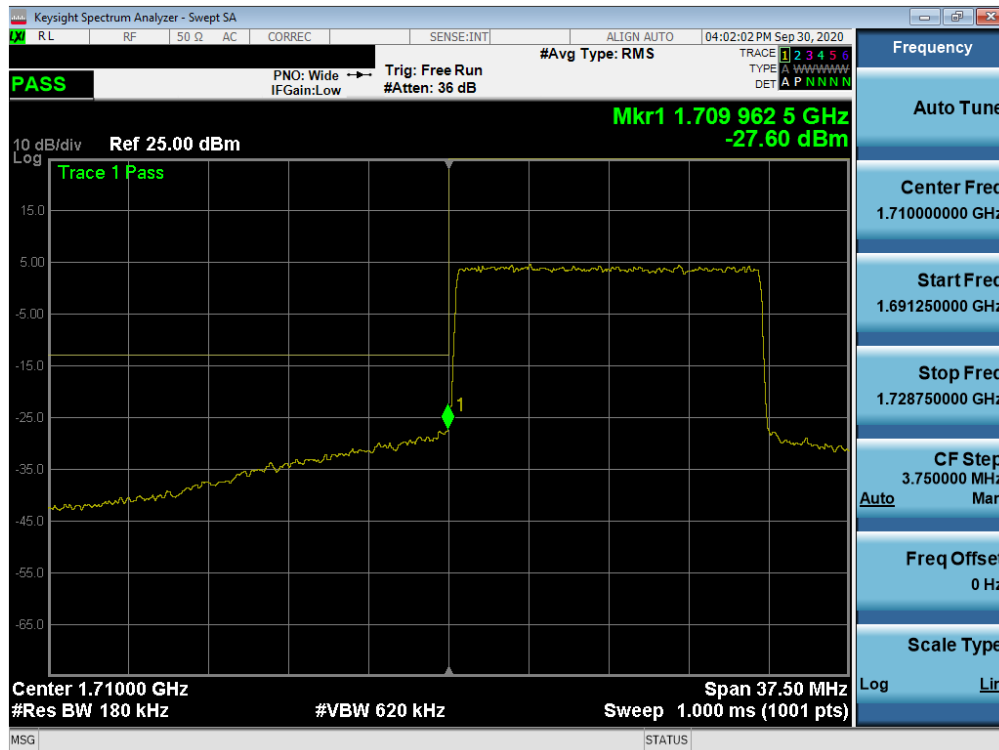


Plot 7-245. Upper Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

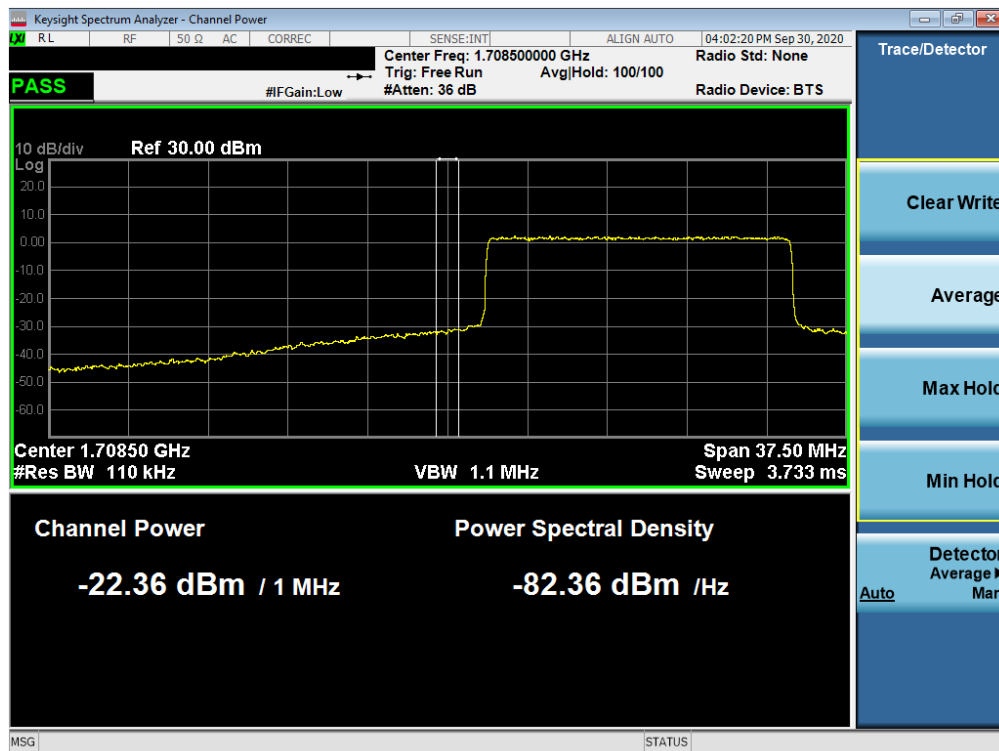


Plot 7-246. Upper Extended Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 137 of 297                 |

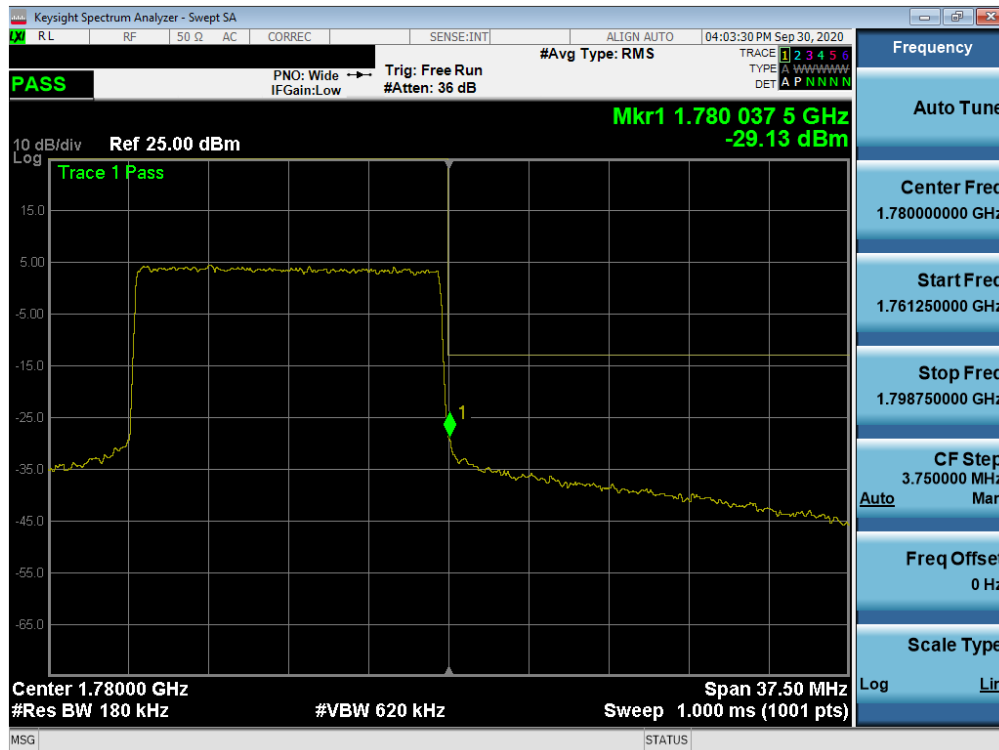


Plot 7-247. Lower Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

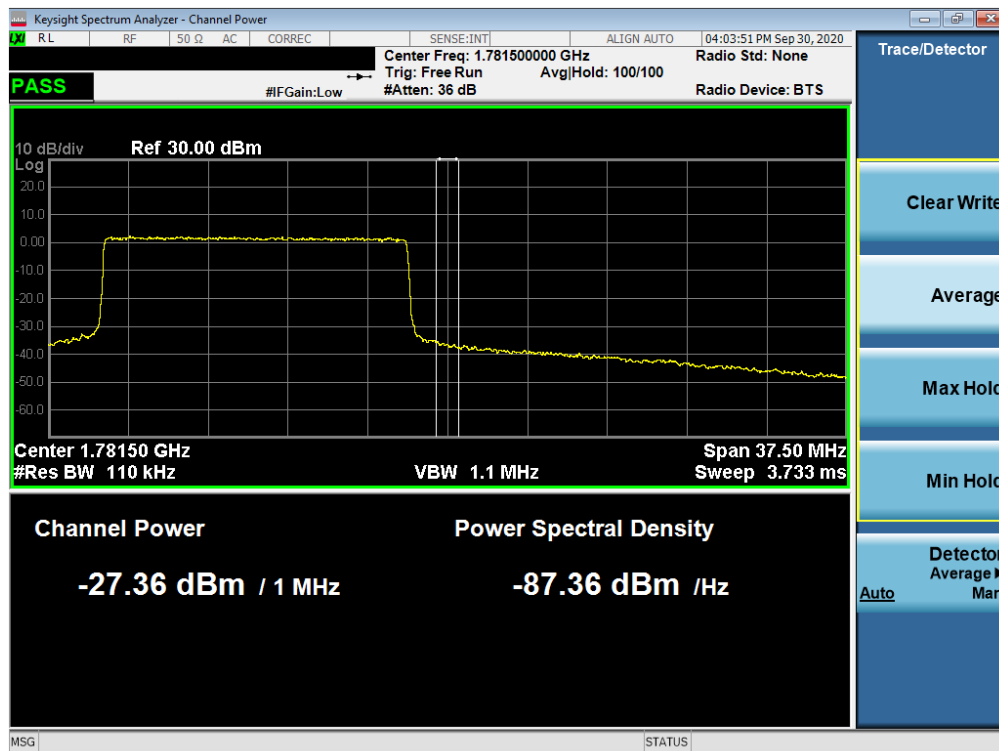


Plot 7-248. Lower Extended Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 138 of 297                 |



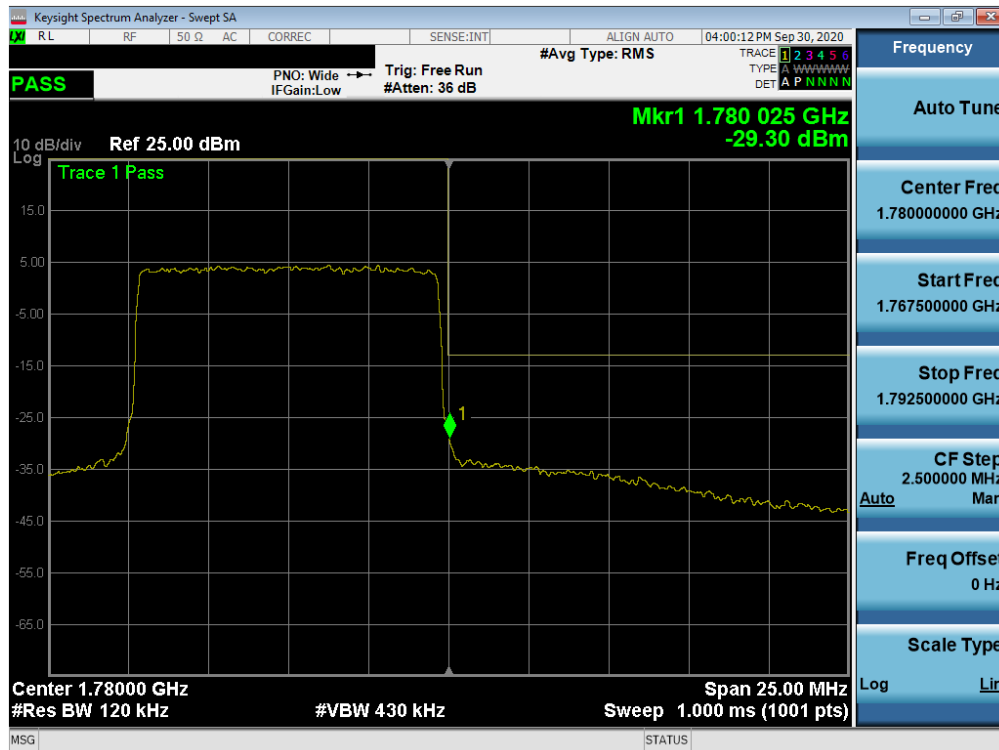
Plot 7-249. Upper Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)



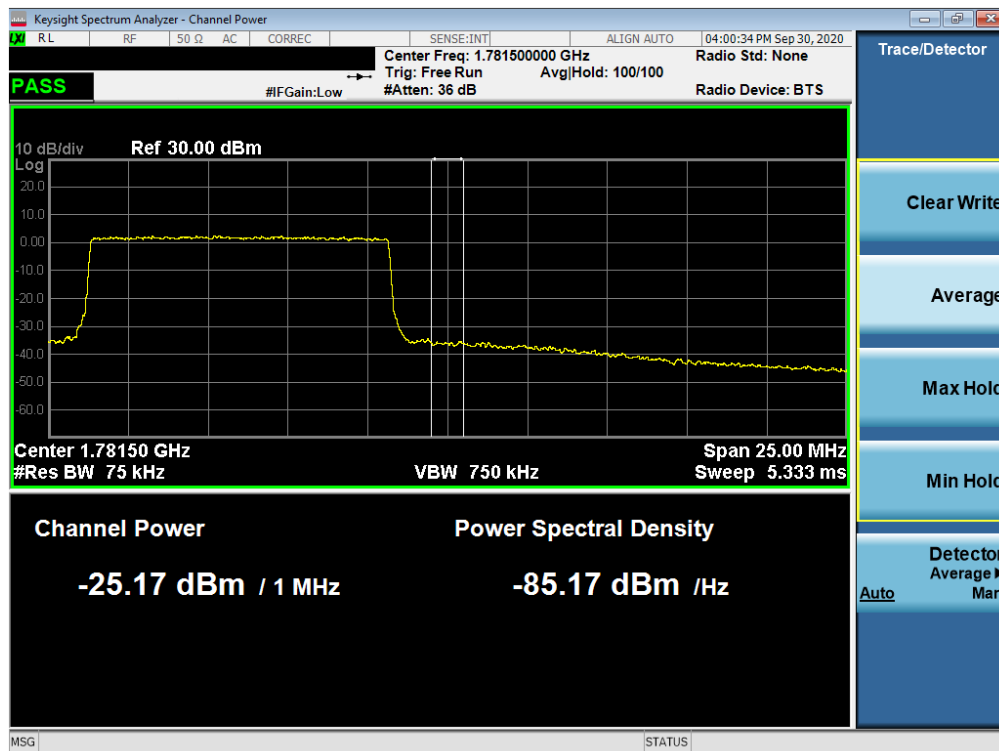
Plot 7-250. Upper Extended Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 139 of 297                 |



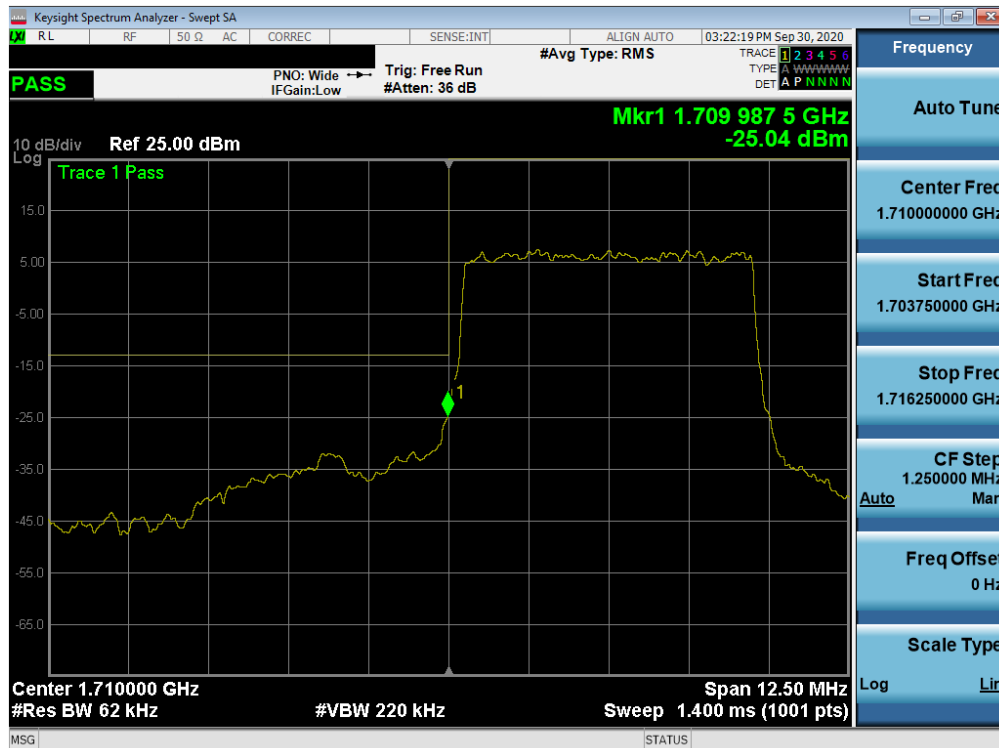


Plot 7-253. Upper Band Edge Plot (NR Band n66 – 10.0MHz - Full RB)

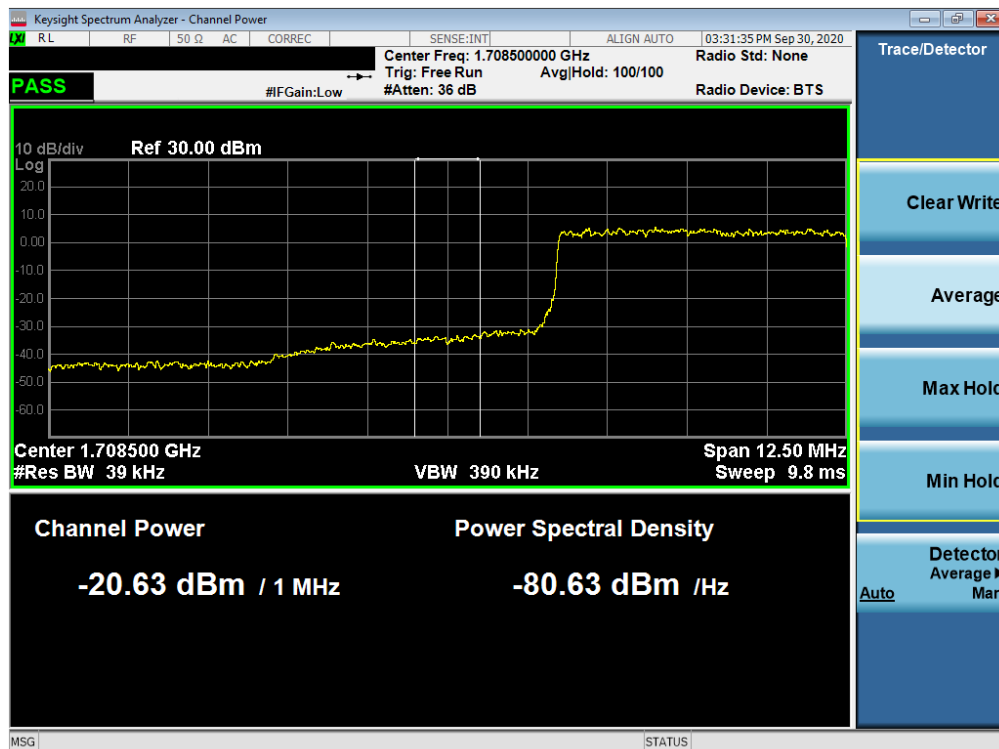


Plot 7-254. Upper Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 141 of 297                 |



Plot 7-255. Lower Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)

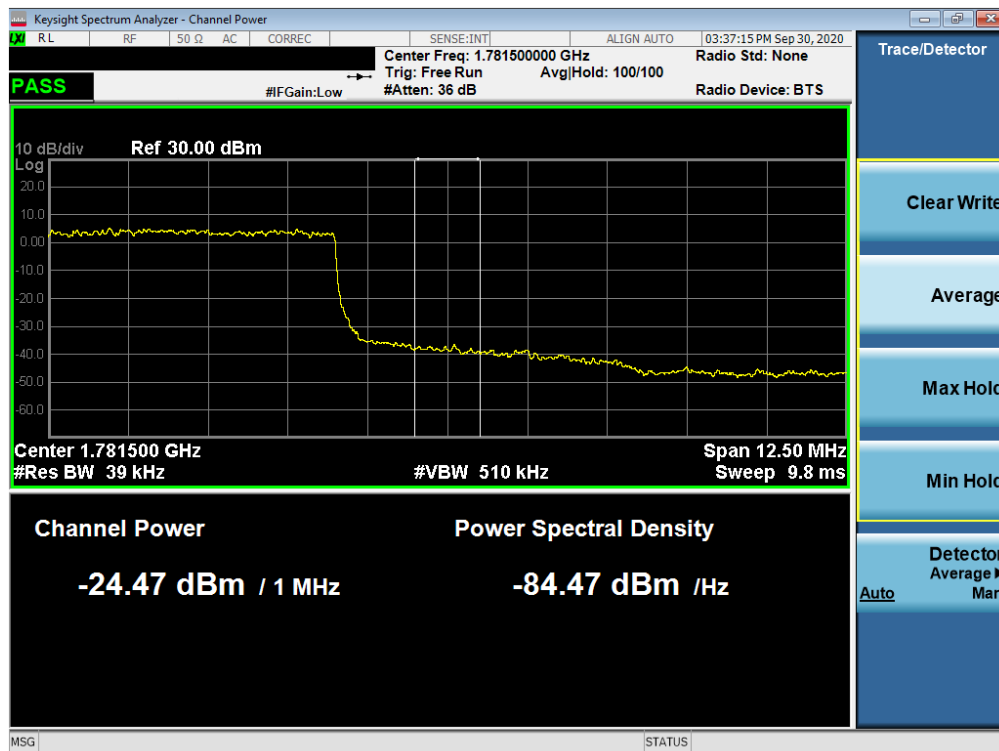


Plot 7-256. Lower Extended Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 142 of 297                 |



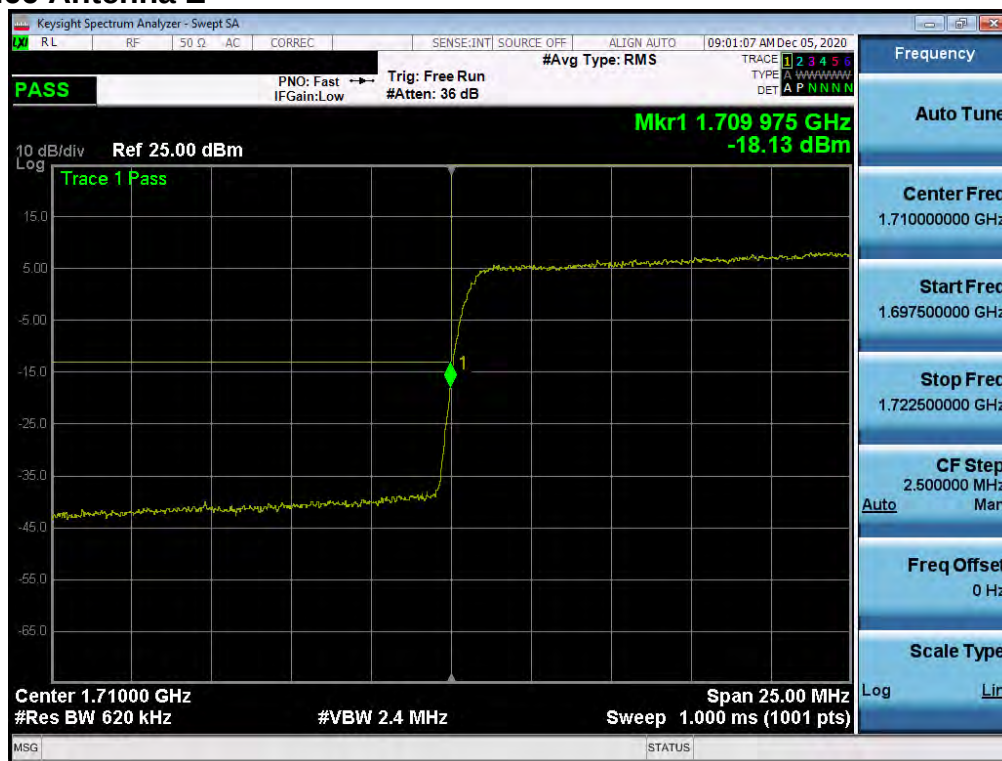
Plot 7-257. Upper Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)



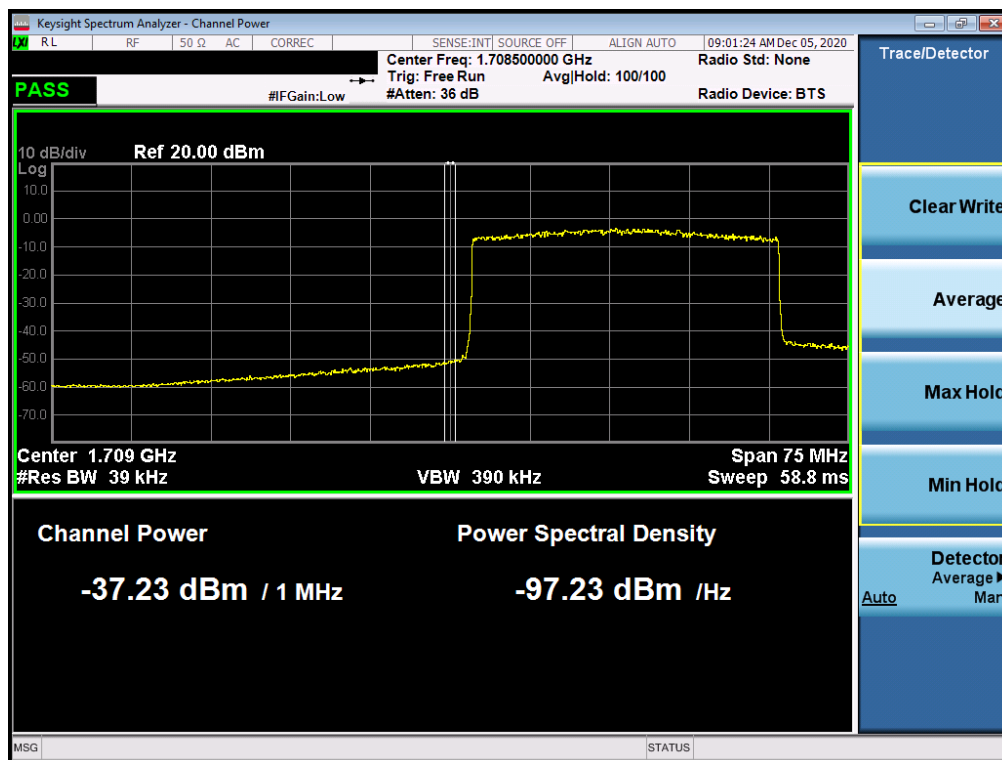
Plot 7-258. Upper Extended Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 143 of 297                 |

## NR Band n66 Antenna E

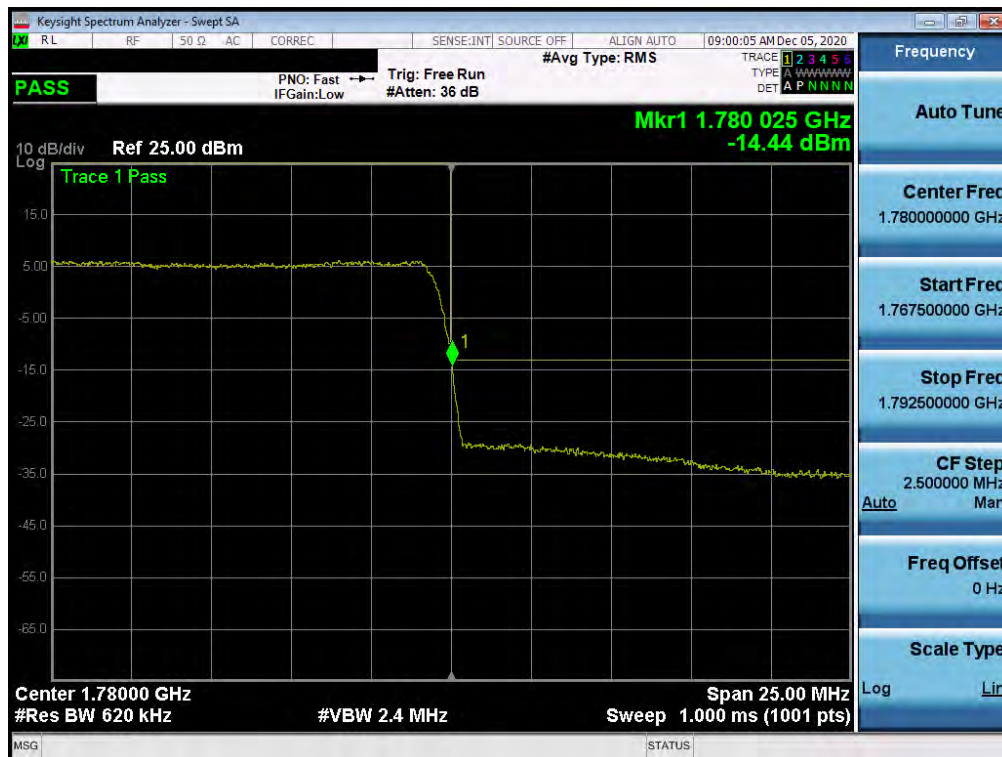


Plot 7-259. Lower Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

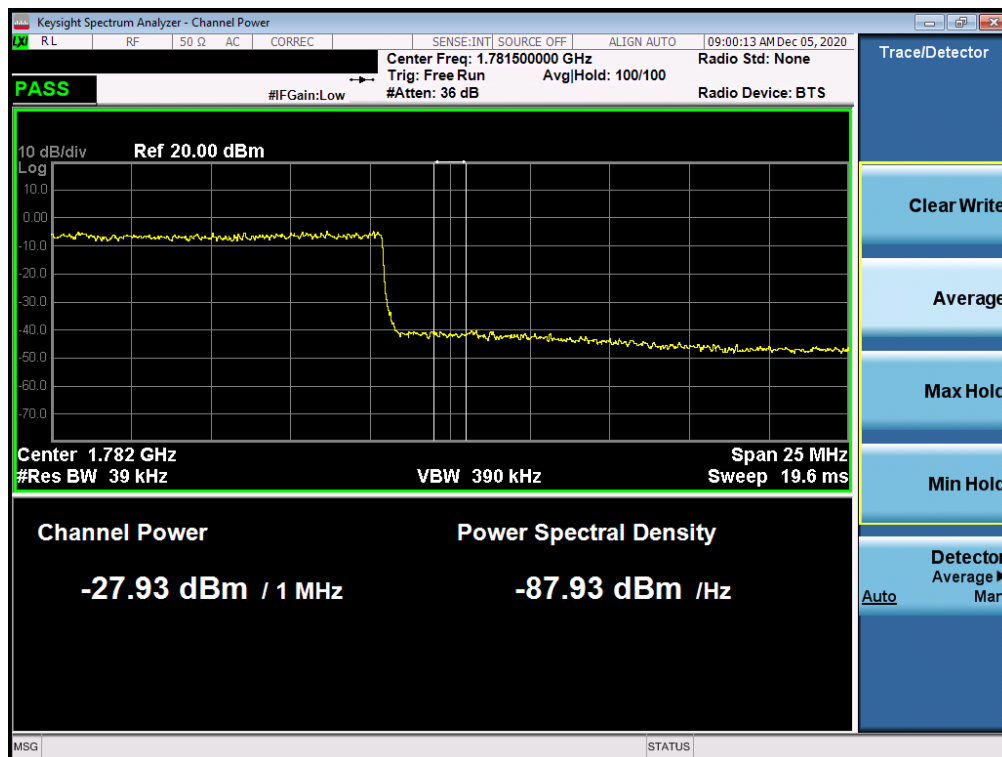


Plot 7-260. Lower Extended Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 144 of 297                 |



Plot 7-261. Upper Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

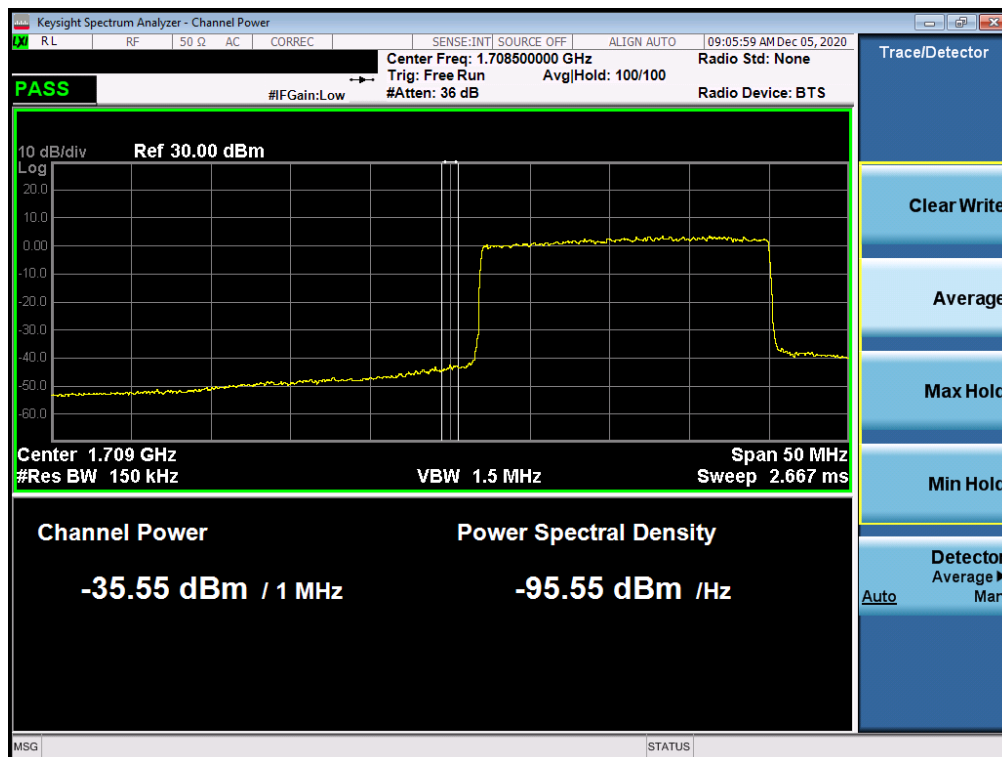


Plot 7-262. Upper Extended Band Edge Plot (NR Band n66 – 30.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 145 of 297                 |



Plot 7-263. Lower Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

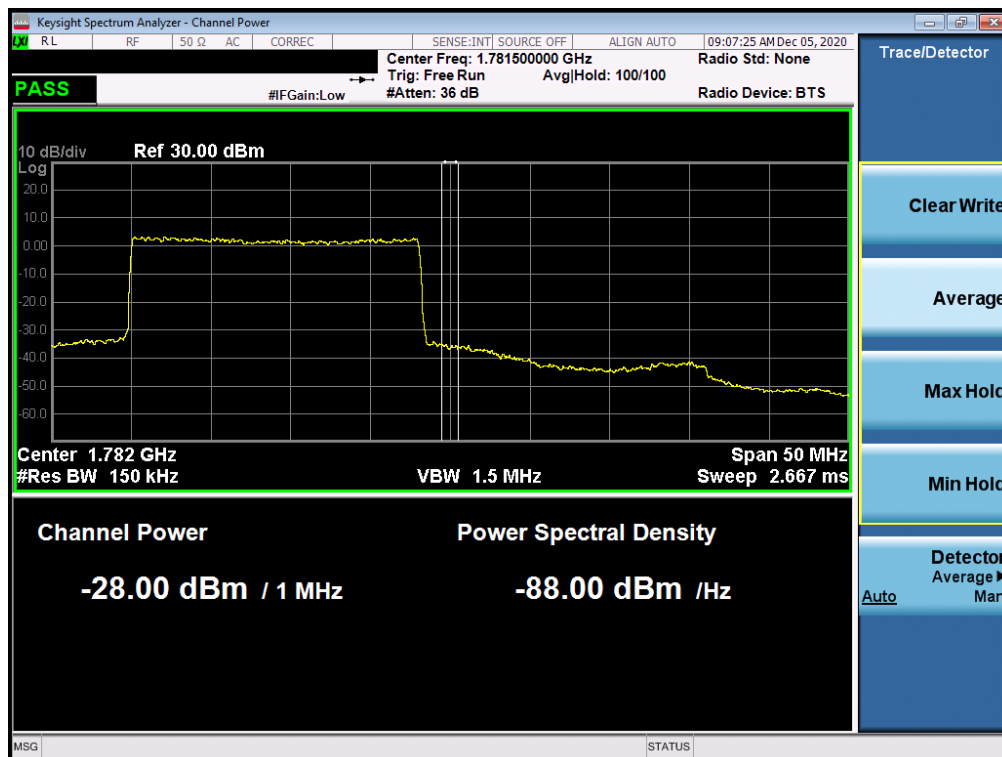


Plot 7-264. Lower Extended Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 146 of 297                 |

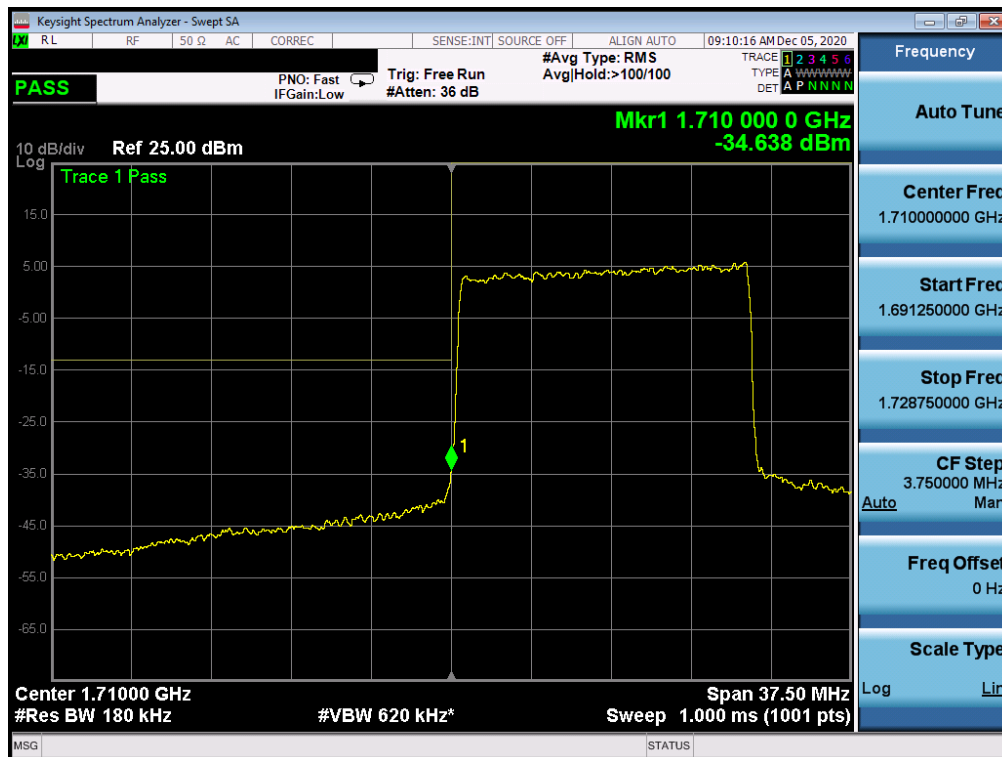


Plot 7-265. Upper Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

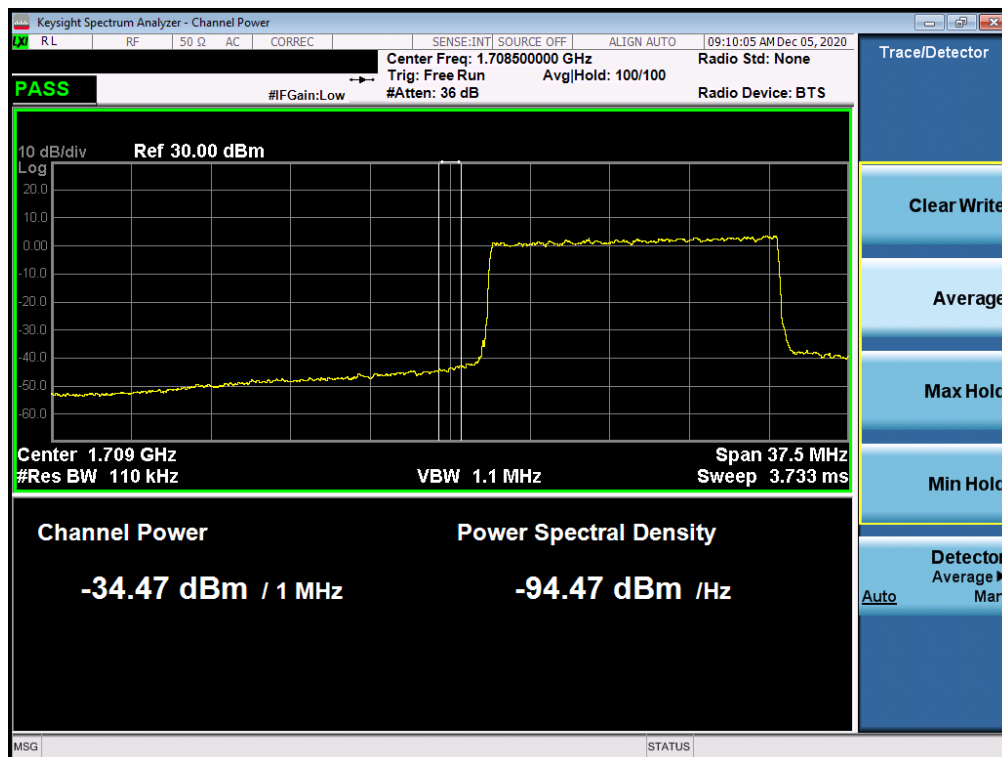


Plot 7-266. Upper Extended Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 147 of 297                 |

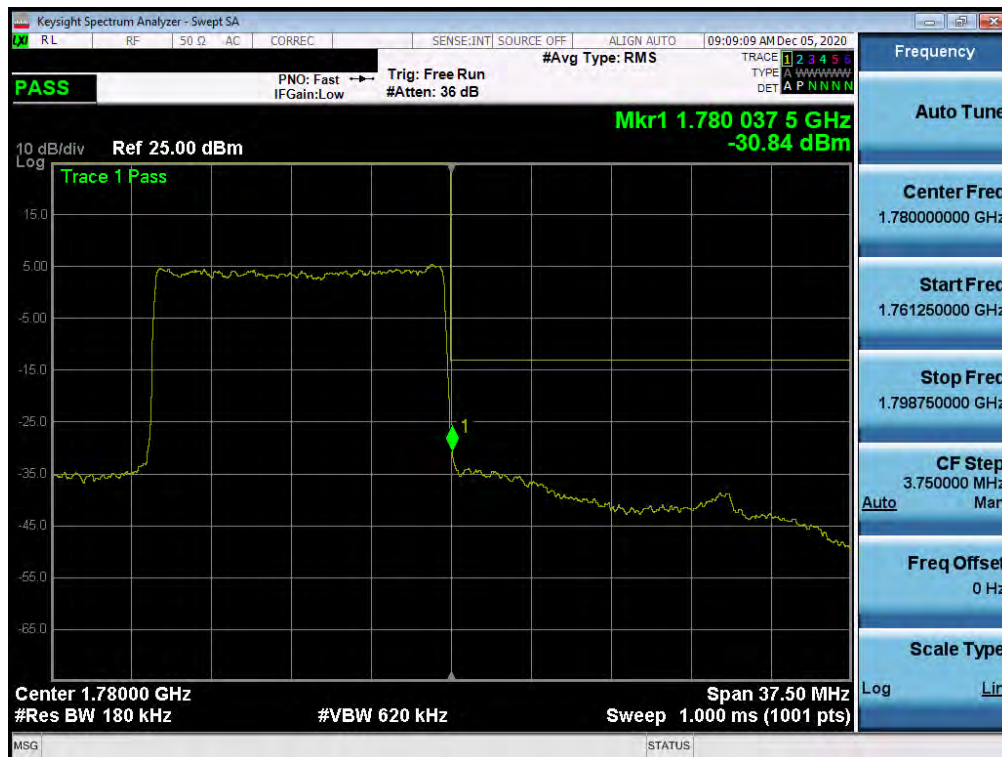


Plot 7-267. Lower Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

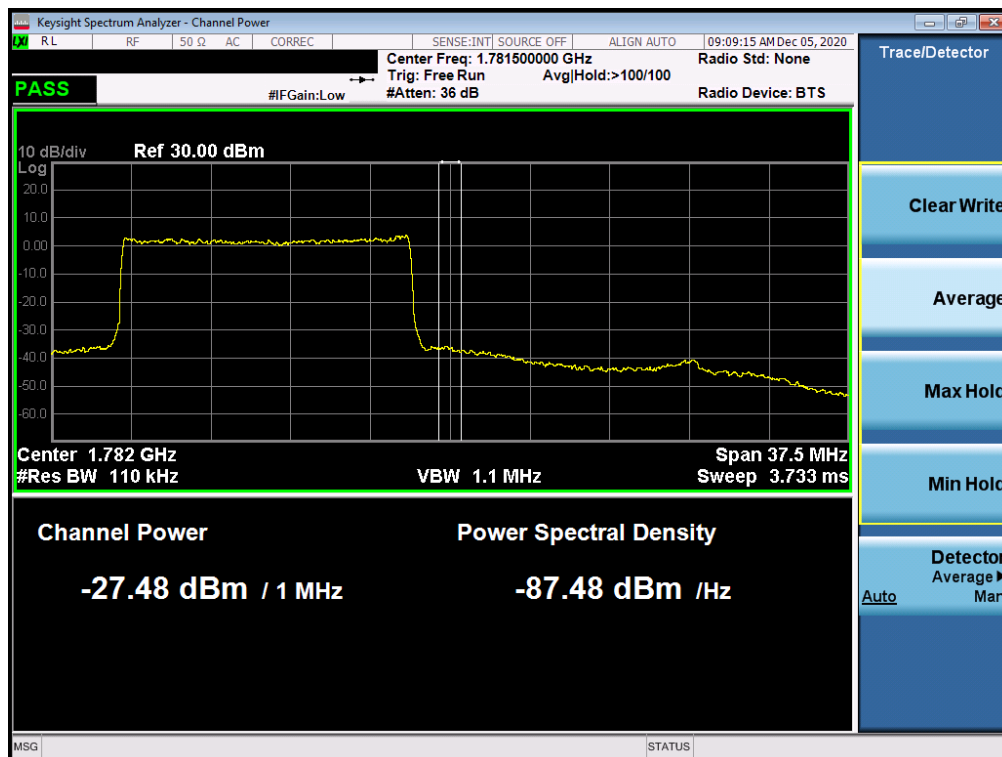


Plot 7-268. Lower Extended Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 148 of 297                 |

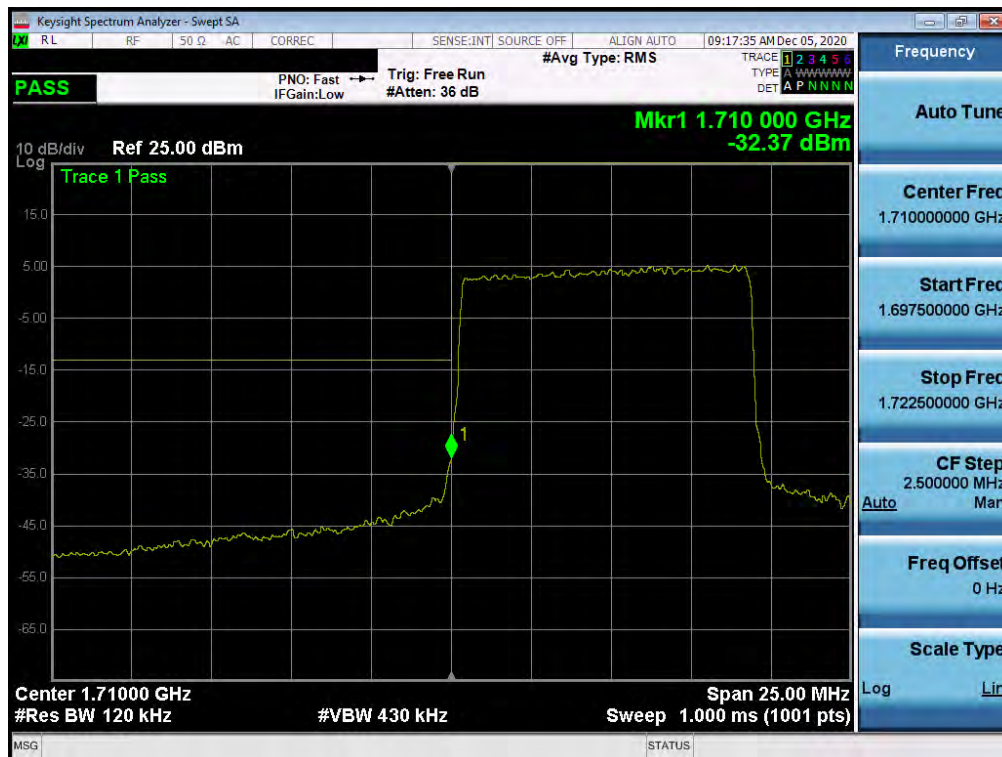


Plot 7-269. Upper Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

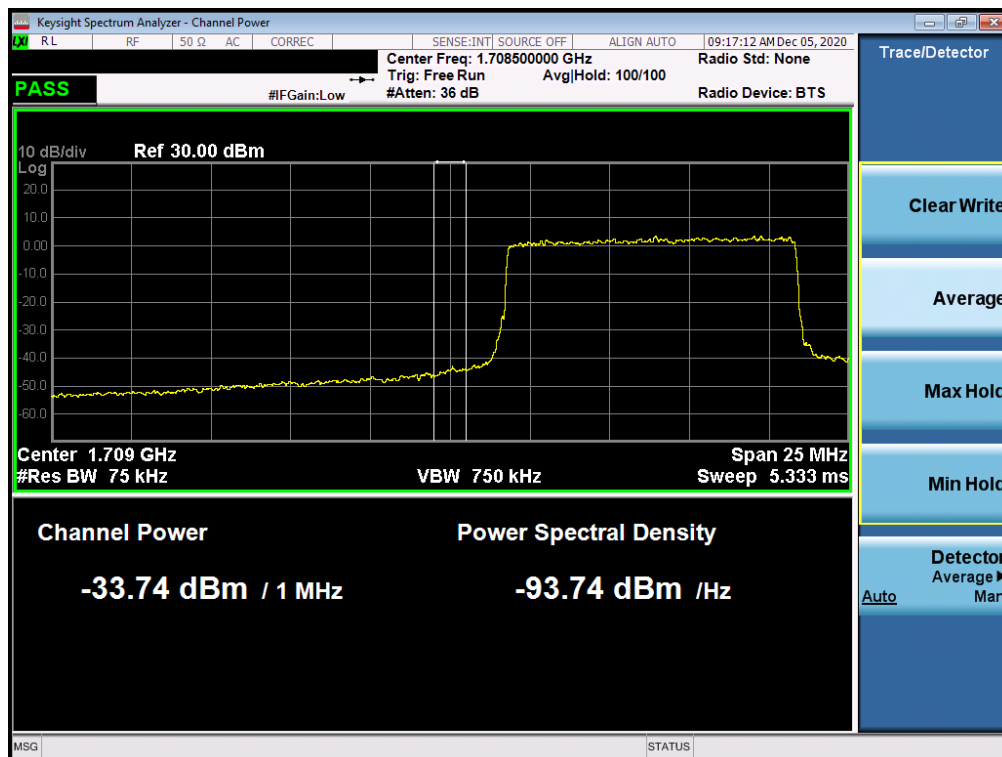


Plot 7-270. Upper Extended Band Edge Plot (NR Band n66 – 15.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 149 of 297                 |



Plot 7-271. Lower Band Edge Plot (NR Band n66 – 10.0MHz - Full RB)

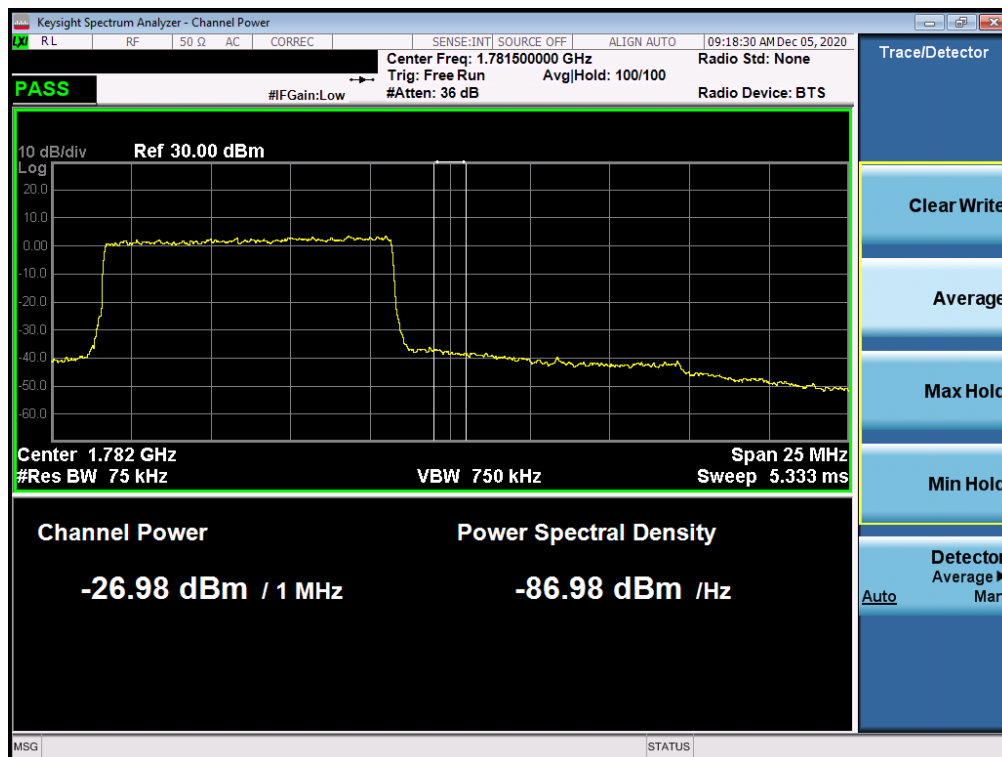


Plot 7-272. Lower Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 150 of 297                 |

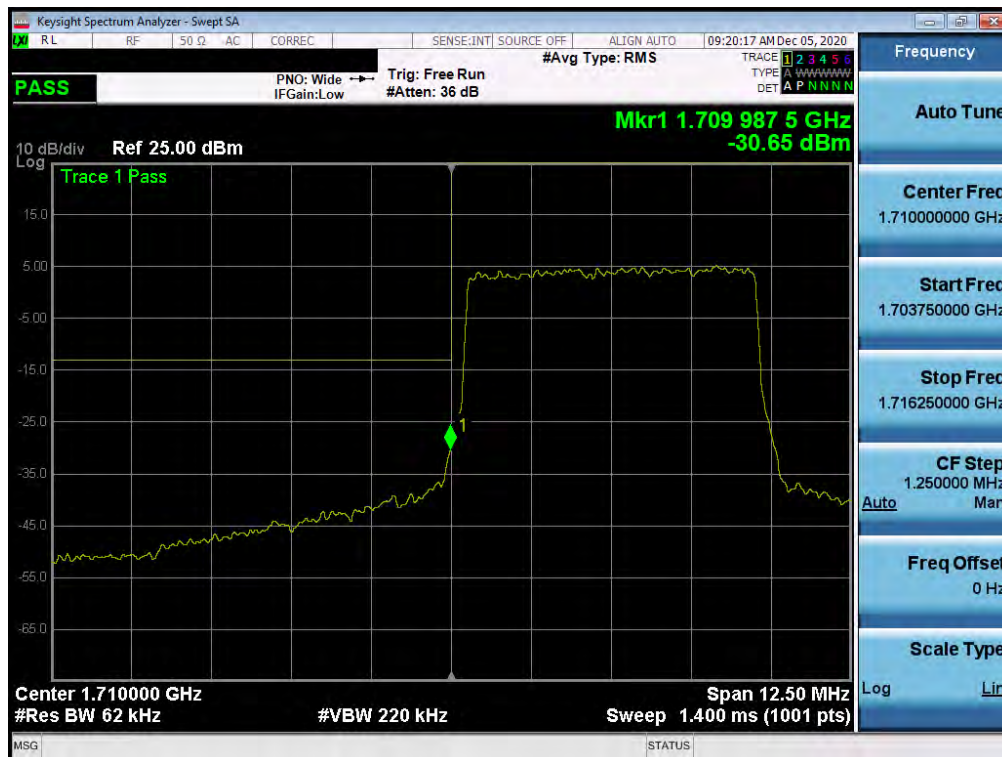


Plot 7-273. Upper Band Edge Plot (NR Band n66 – 10.0MHz - Full RB)

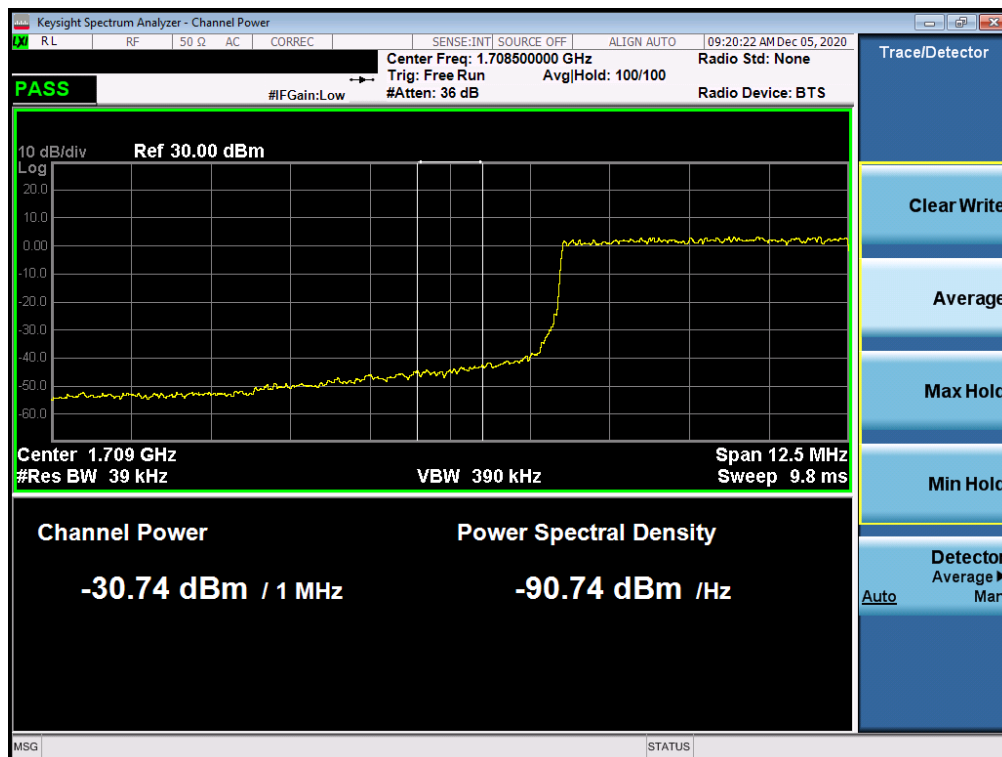


Plot 7-274. Upper Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 151 of 297                 |



Plot 7-275. Lower Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)

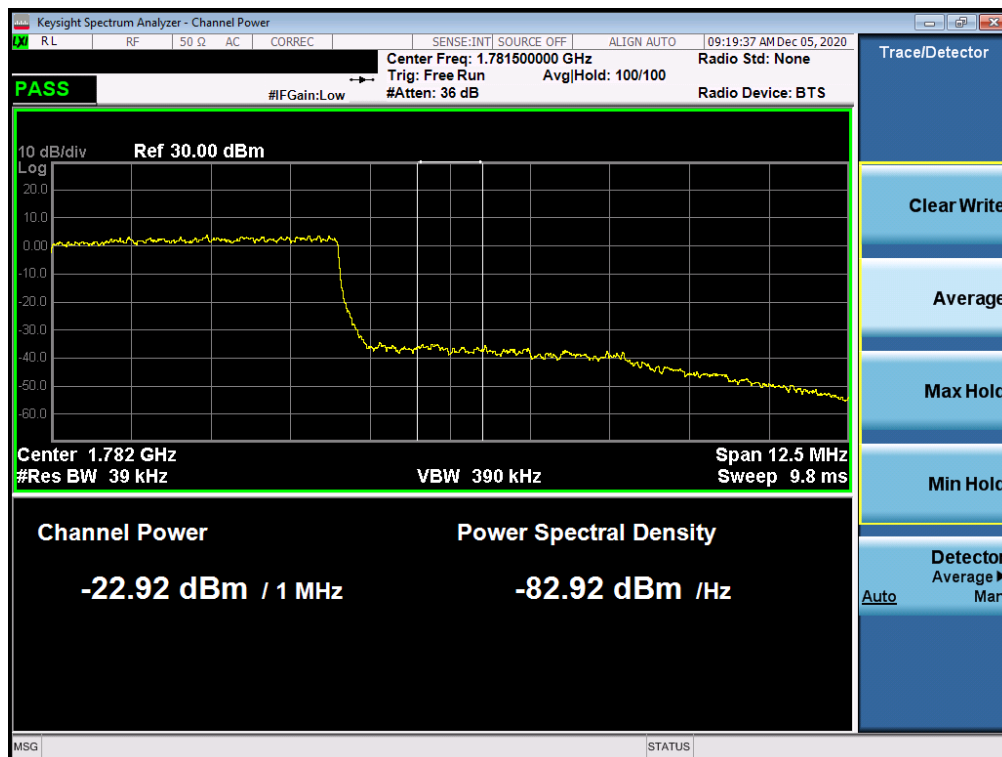


Plot 7-276. Lower Extended Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 152 of 297                 |



Plot 7-277. Upper Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)



Plot 7-278. Upper Extended Band Edge Plot (NR Band n66 – 5.0MHz - Full RB)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 153 of 297                 |

## 7.4 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 10<sup>th</sup> 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 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.**

### Test Procedure Used

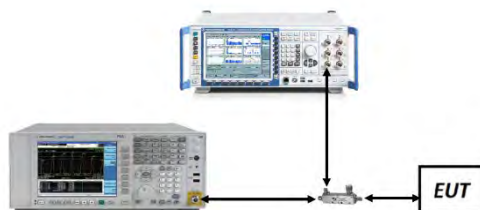
KDB 971168 D01 v03r01 – Section 6.0

### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 18GHz (separated into at least two plots per channel)
2. RBW  $\geq$  100kHz
3. VBW  $\geq$  3 x RBW
4. Detector = RMS
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

### Test Setup

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



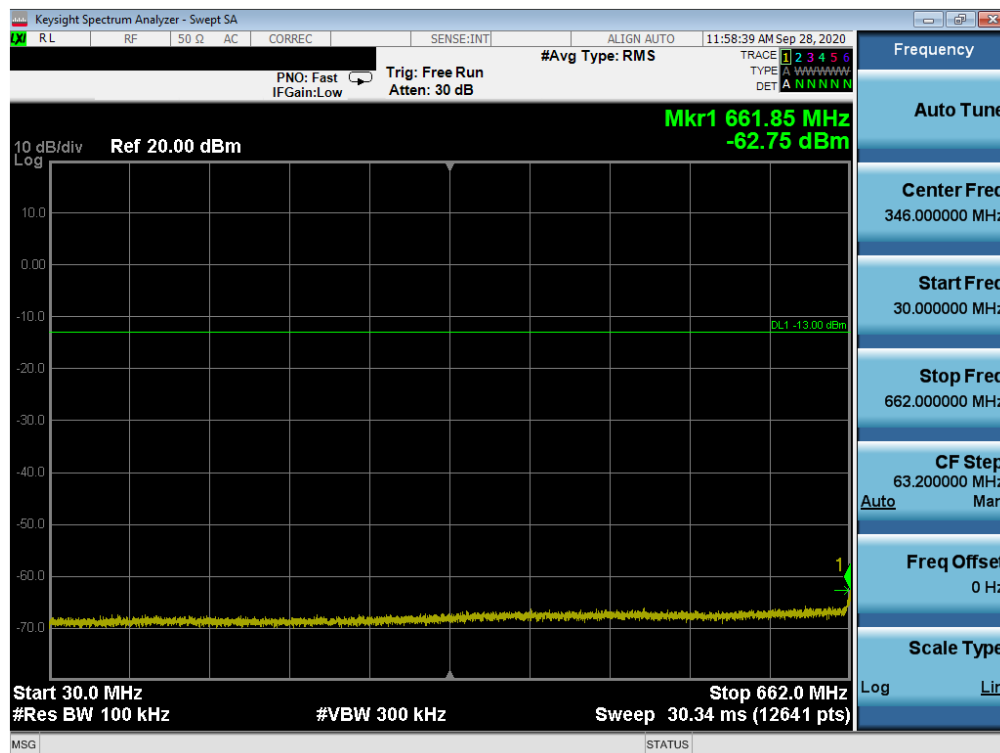
**Figure 7-3. Test Instrument & Measurement Setup**

### Test Notes

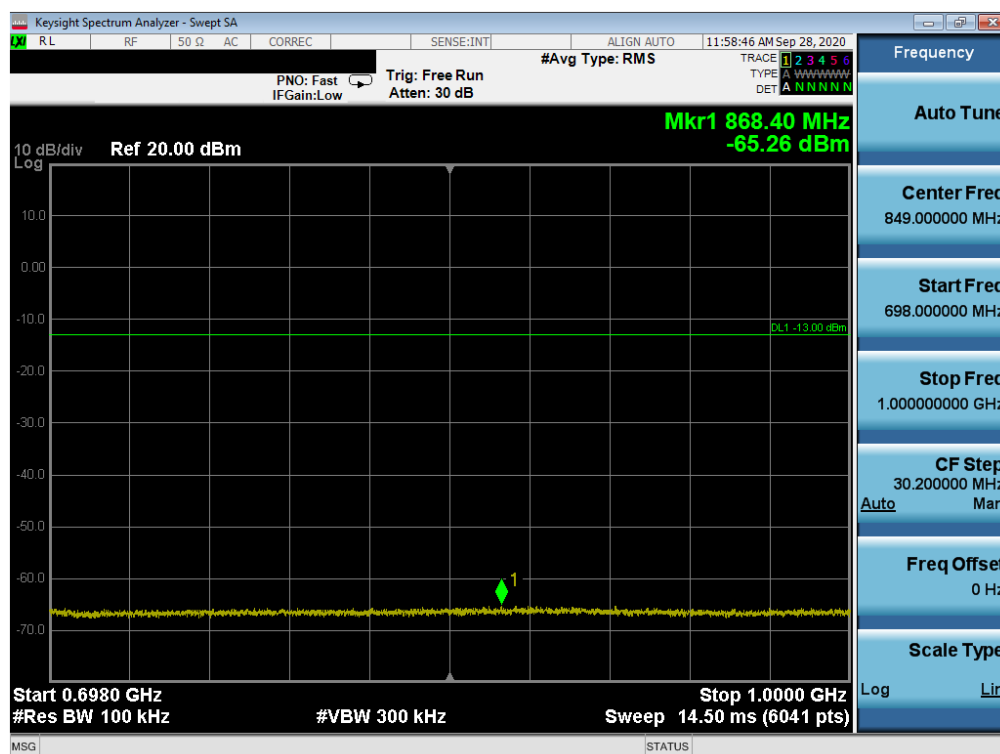
1. Per Part 27 and RSS-139, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth 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.
2. 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: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | <b>PART 27 MEASUREMENT REPORT</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset     |                | Page 154 of 297                 |

## LTE Band 71

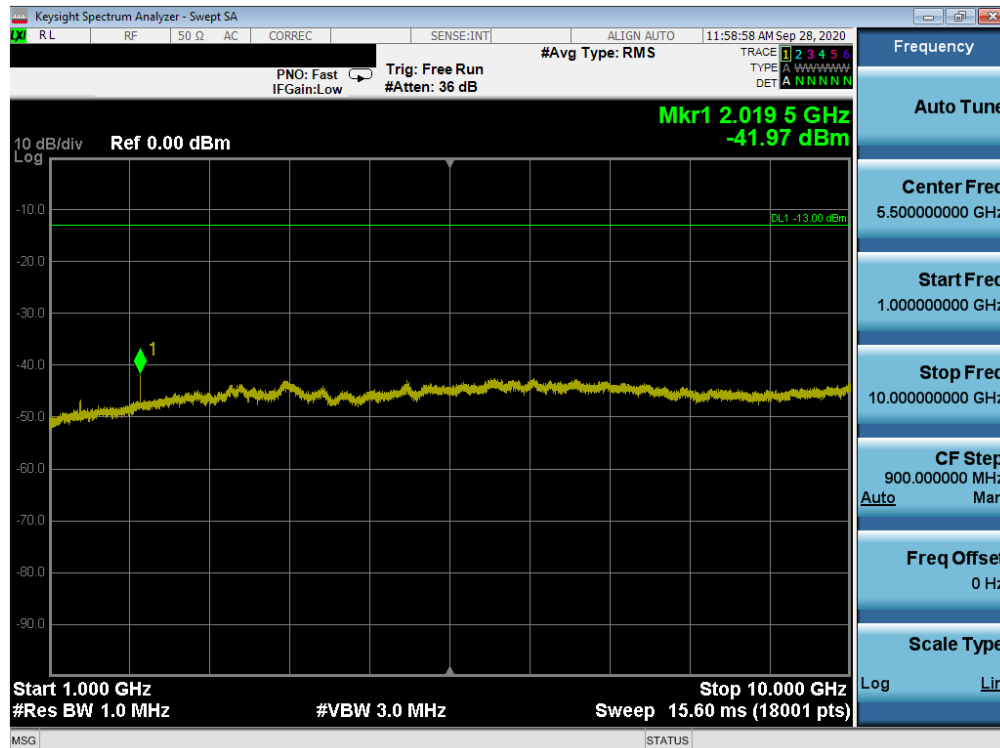


Plot 7-279. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

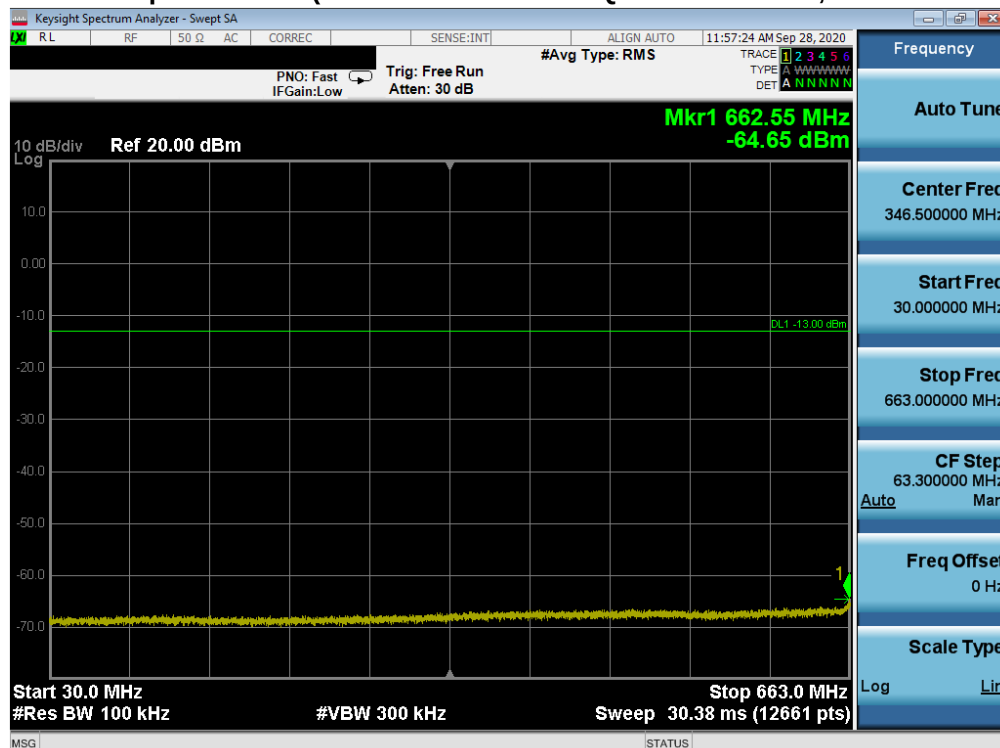


Plot 7-280. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 155 of 297                 |

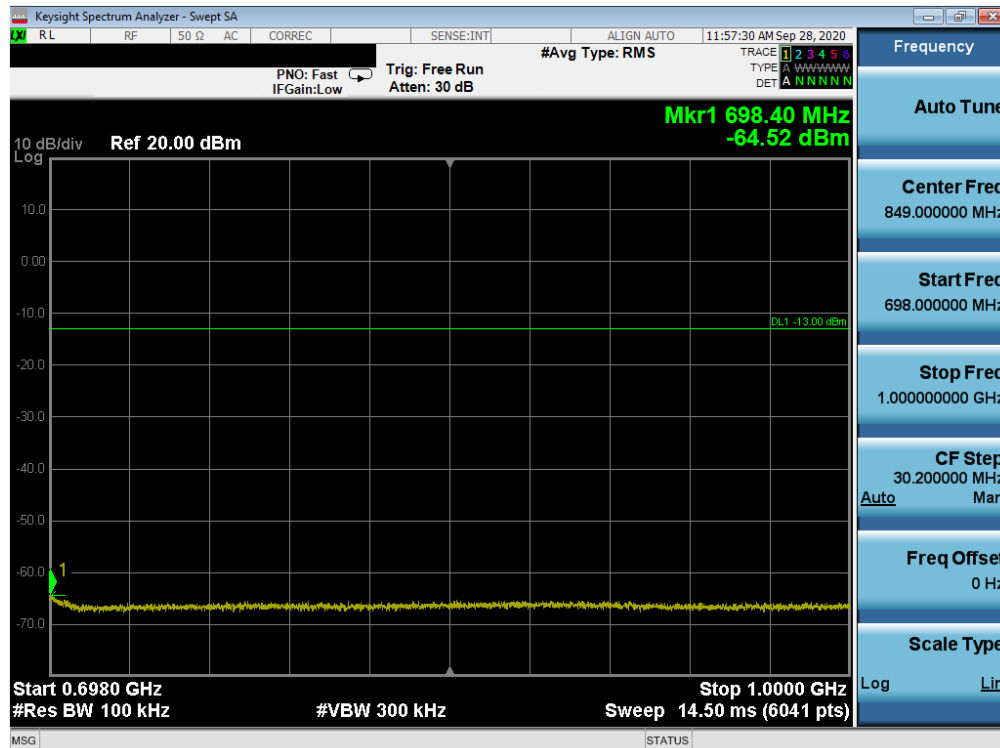


Plot 7-281. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

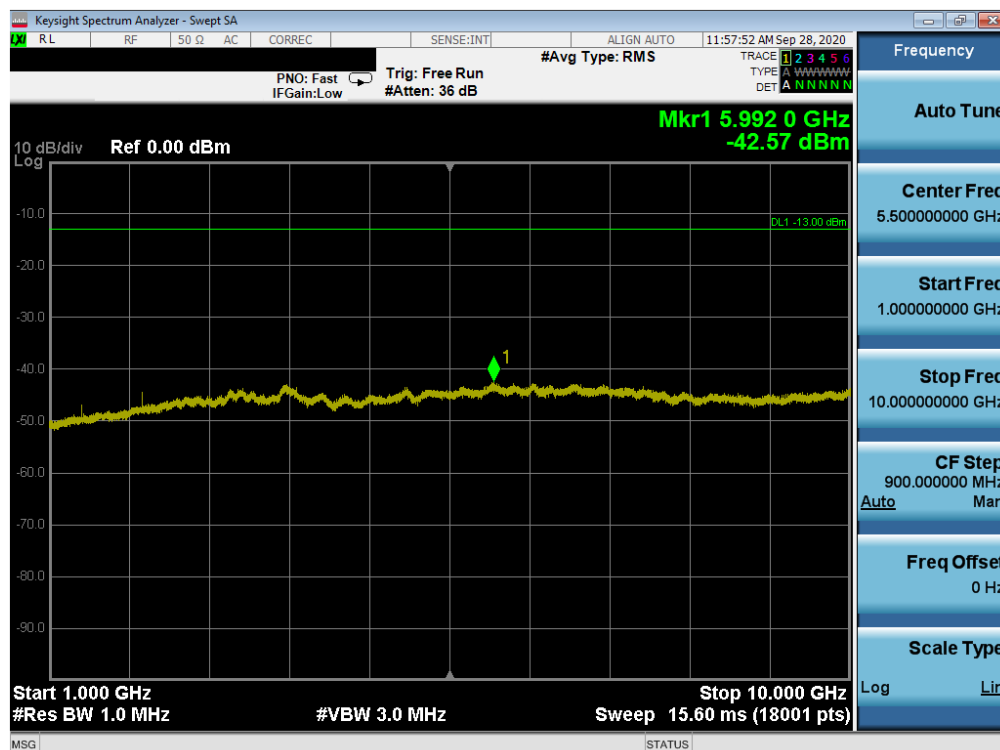


Plot 7-282. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 156 of 297                 |

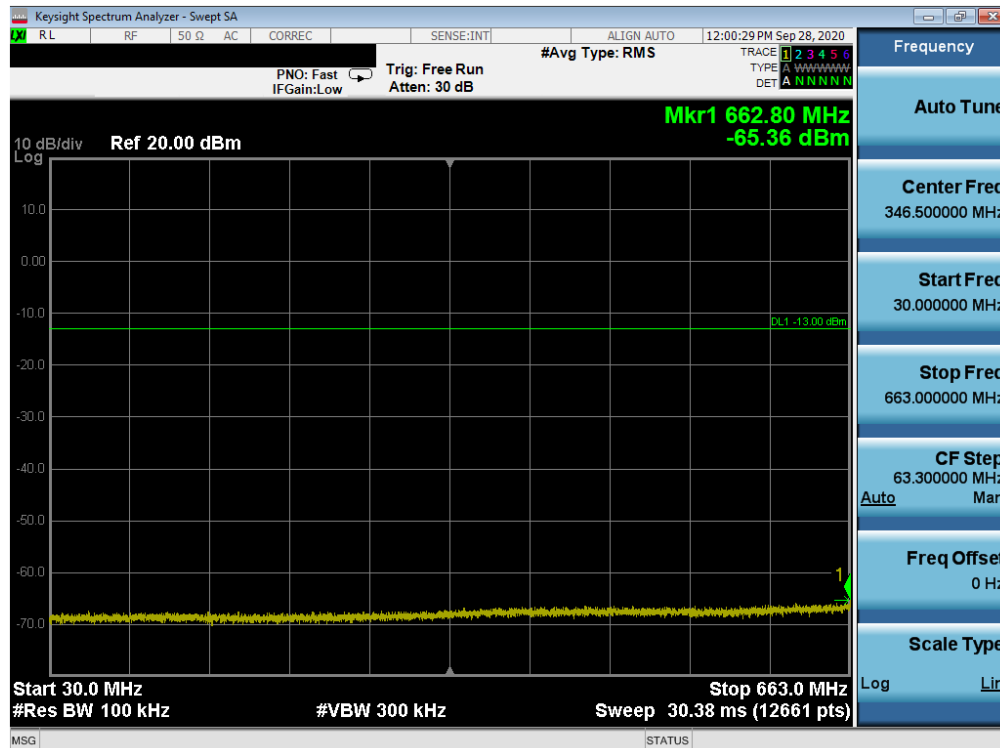


Plot 7-283. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

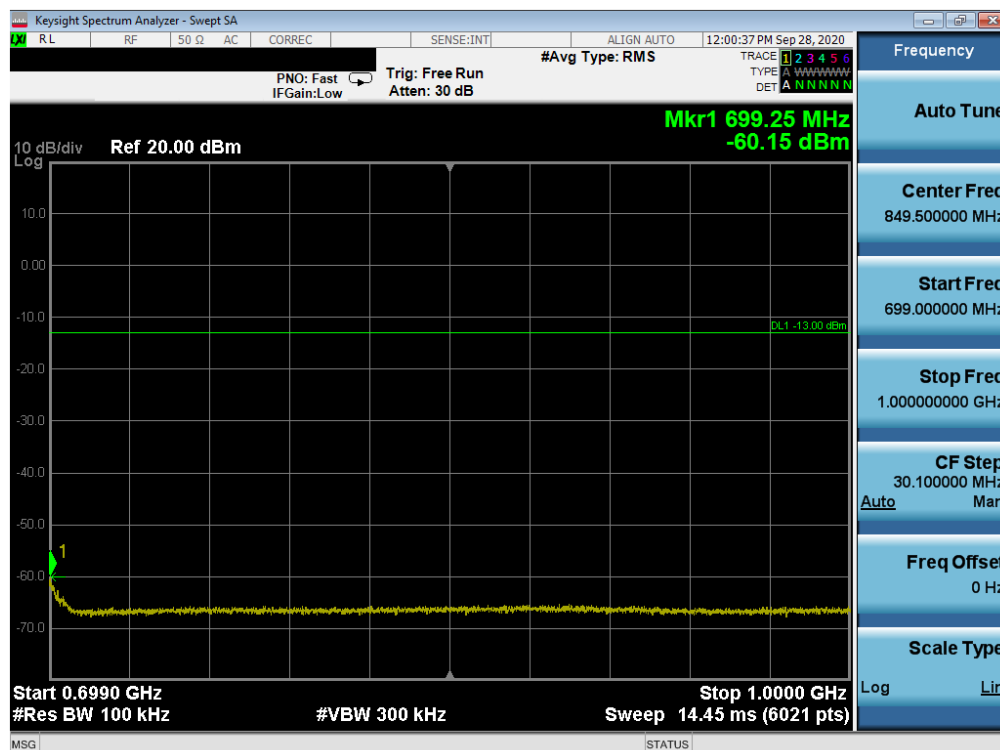


Plot 7-284. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 157 of 297                 |

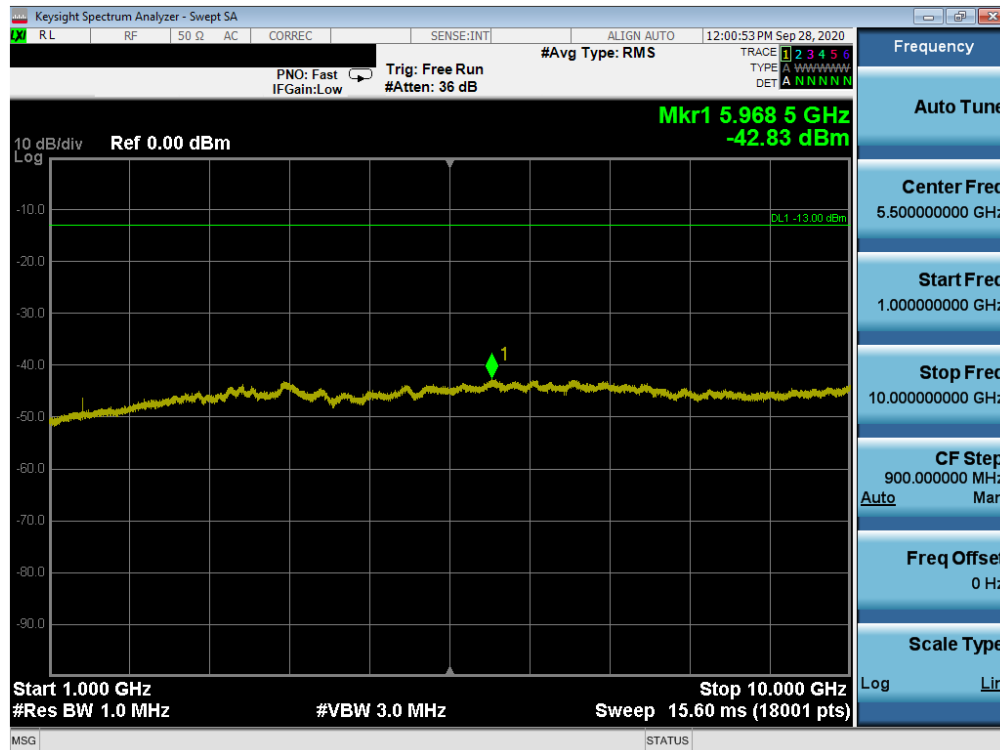


Plot 7-285. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-286. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

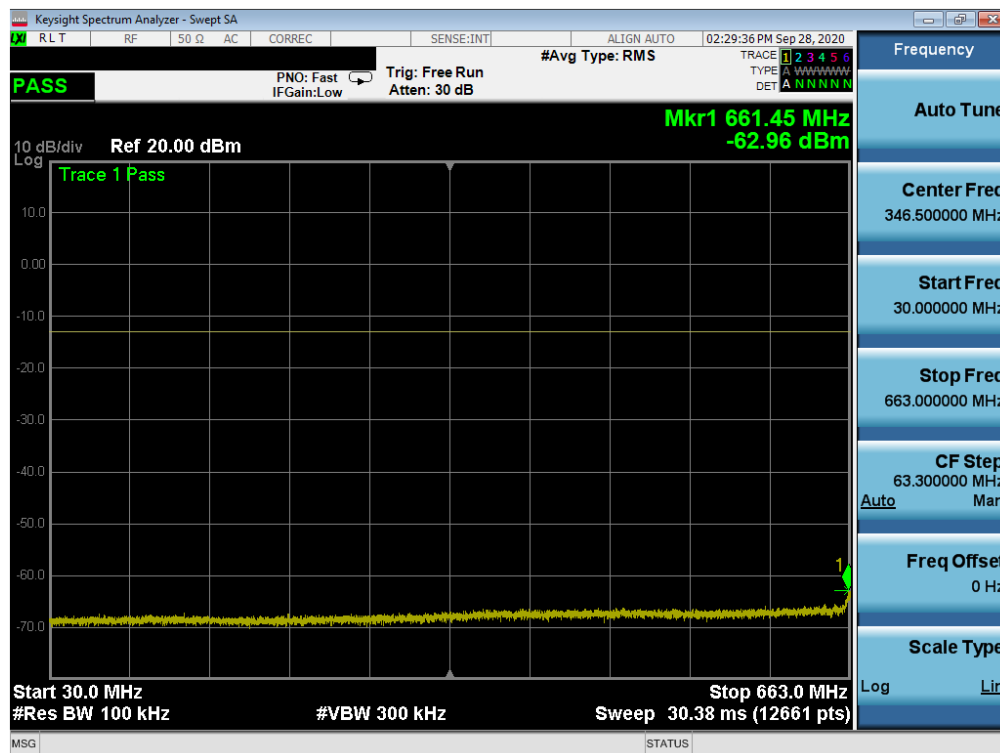
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 158 of 297                 |



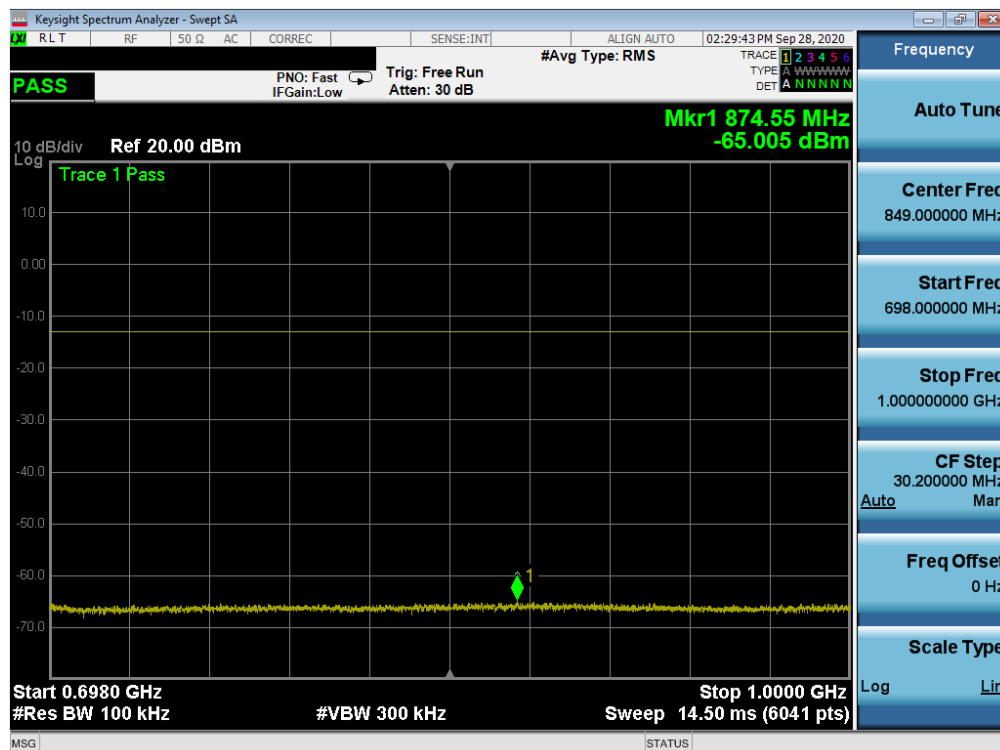
Plot 7-287. Conducted Spurious Plot (LTE Band 71 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 159 of 297                 |

## NR Band n71

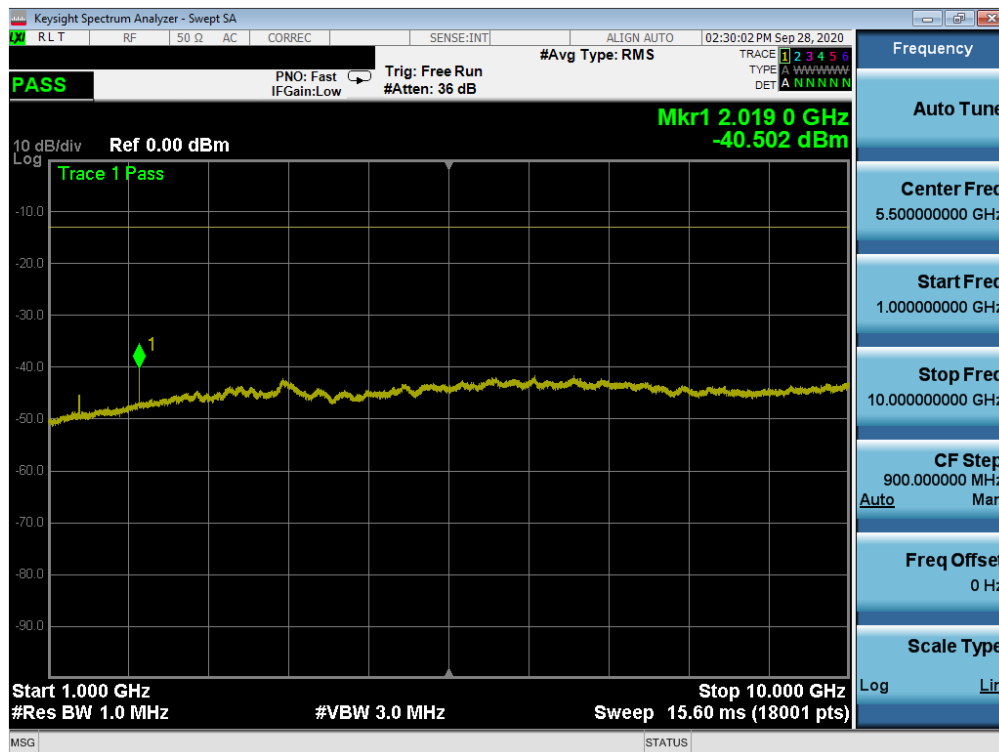


Plot 7-288. Conducted Spurious Plot (NR Band n71 -20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

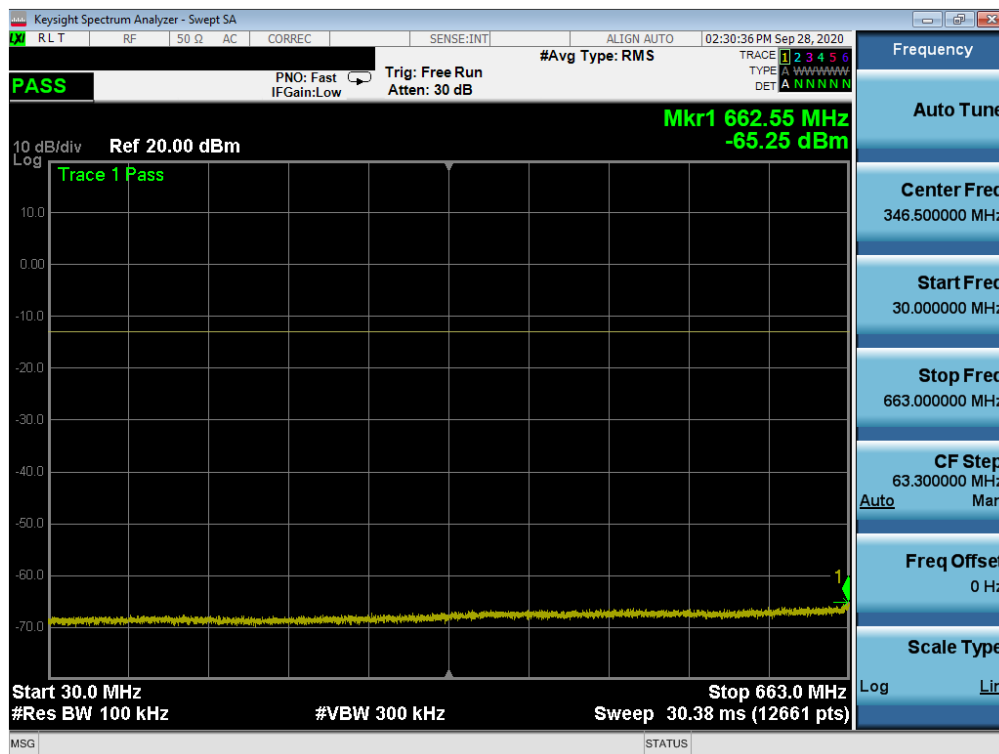


Plot 7-289. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 160 of 297                 |

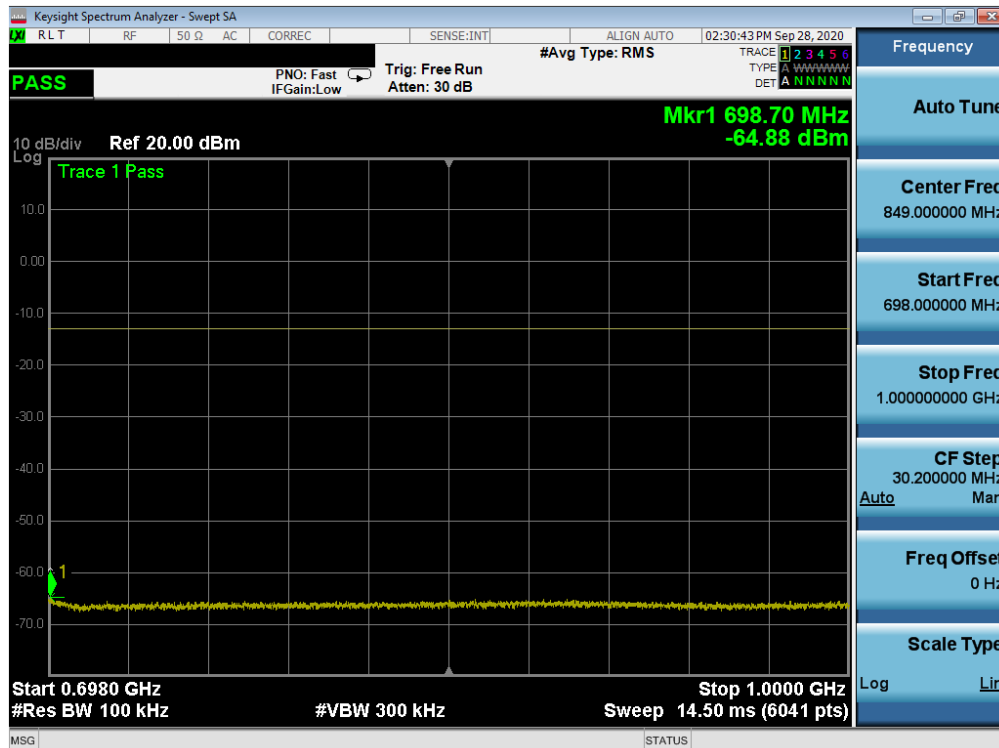


Plot 7-290. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

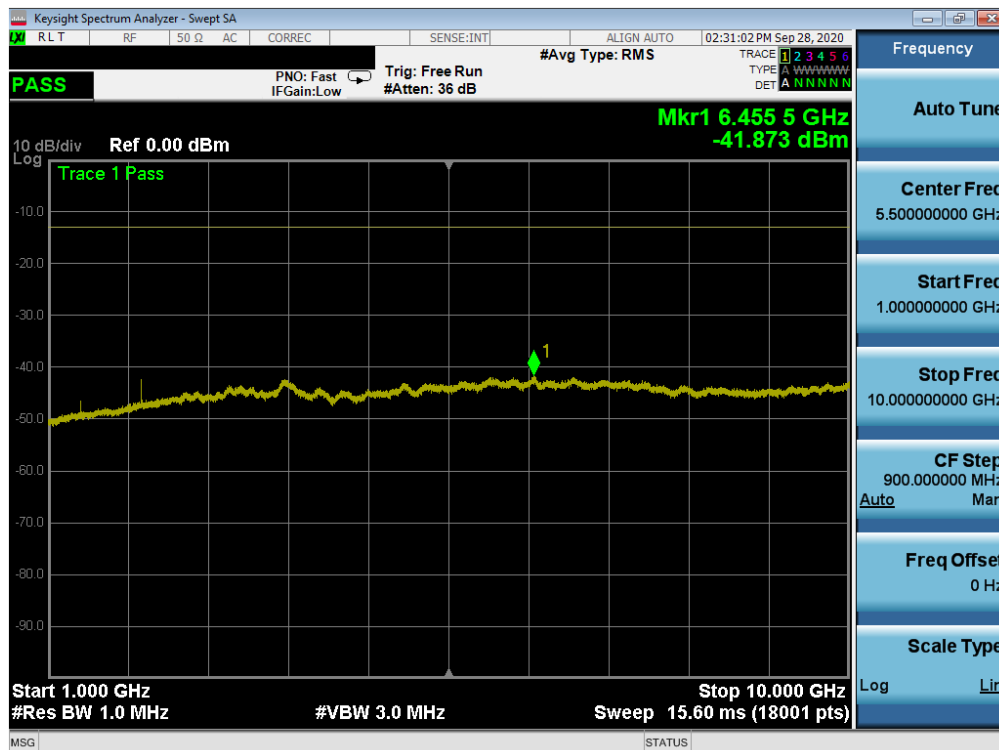


Plot 7-291. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 161 of 297                 |

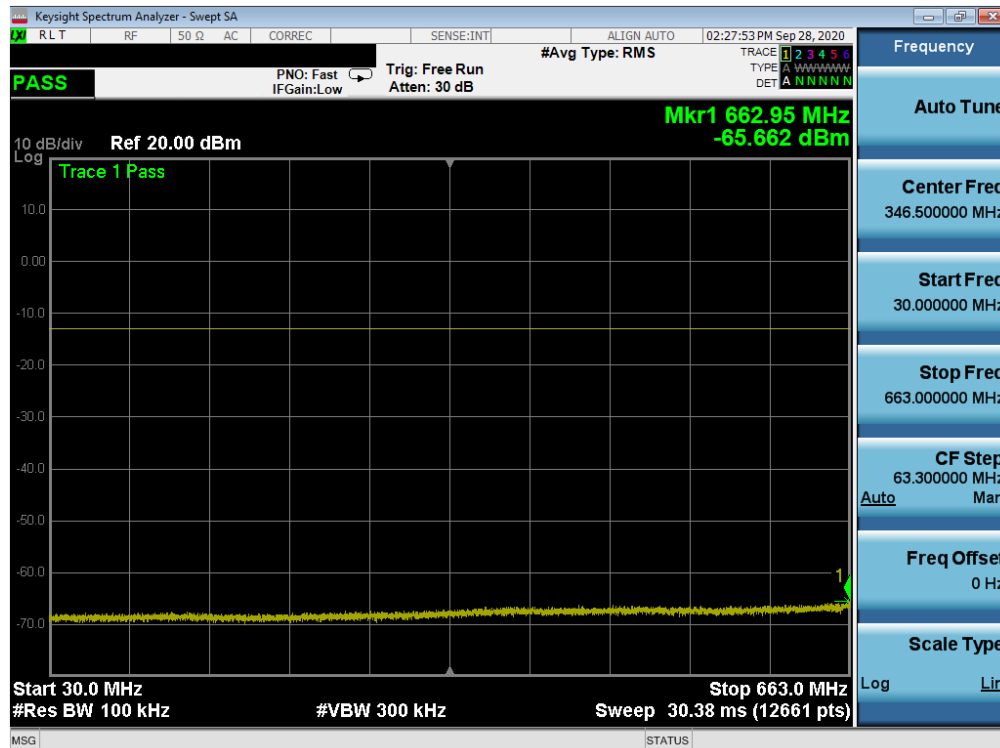


Plot 7-292. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

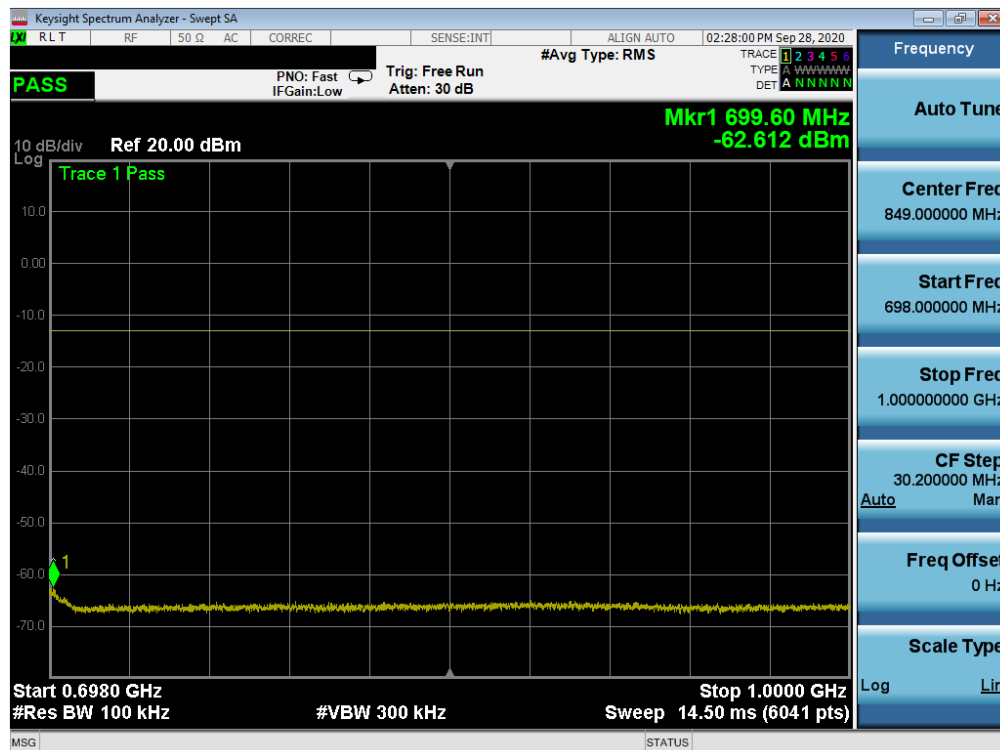


Plot 7-293. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 162 of 297                 |

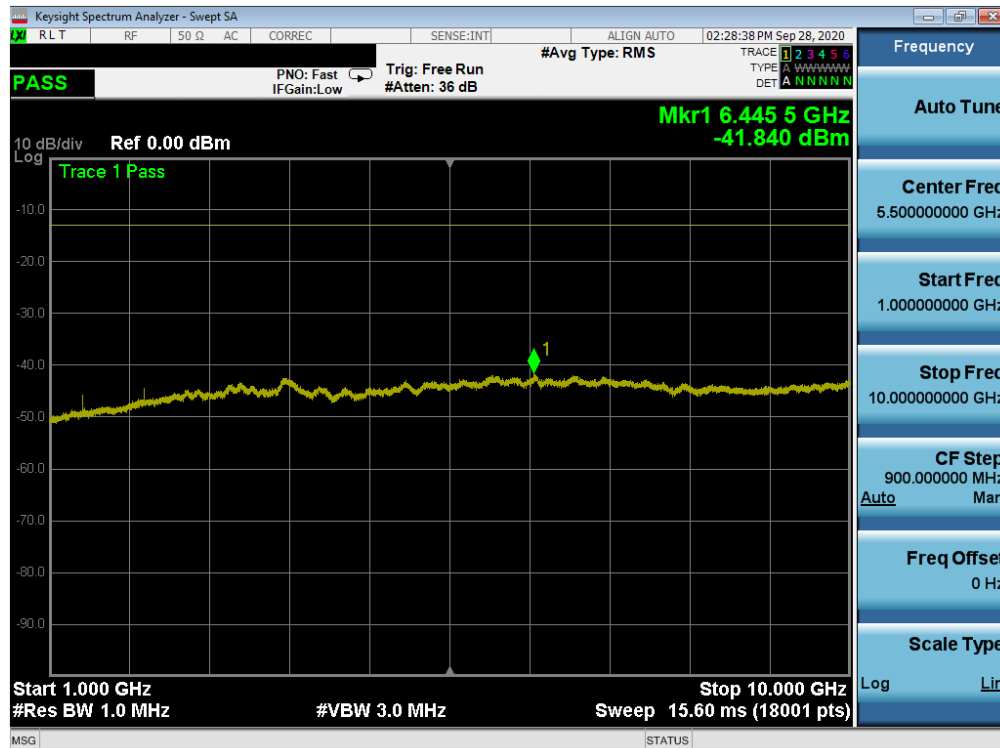


Plot 7-294. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-295. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

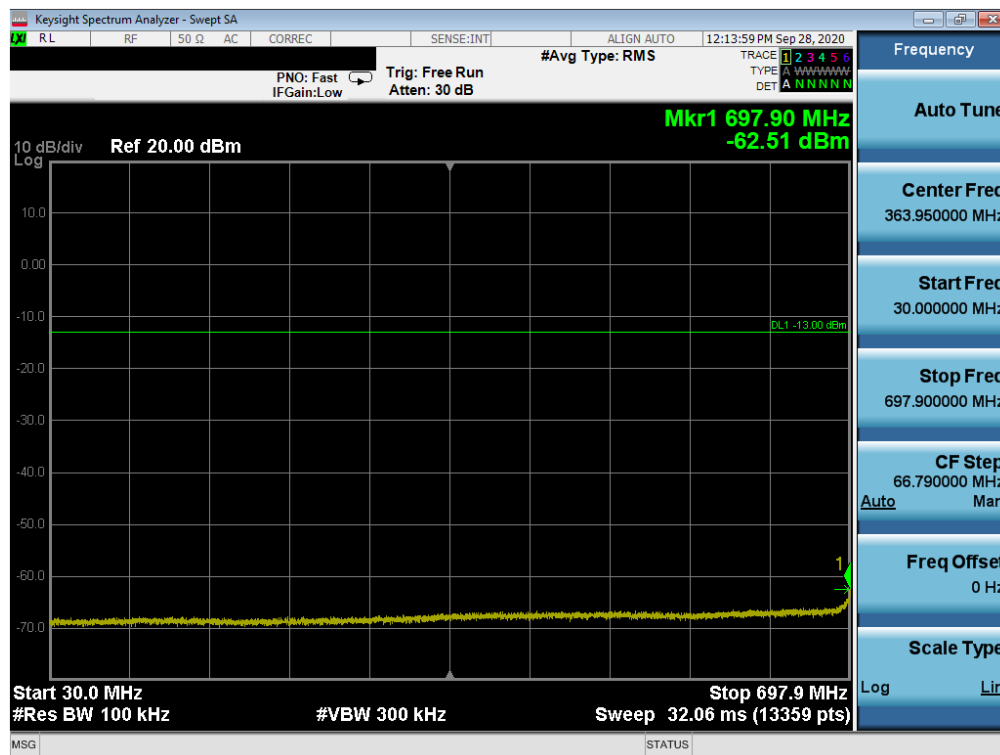
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 163 of 297                 |



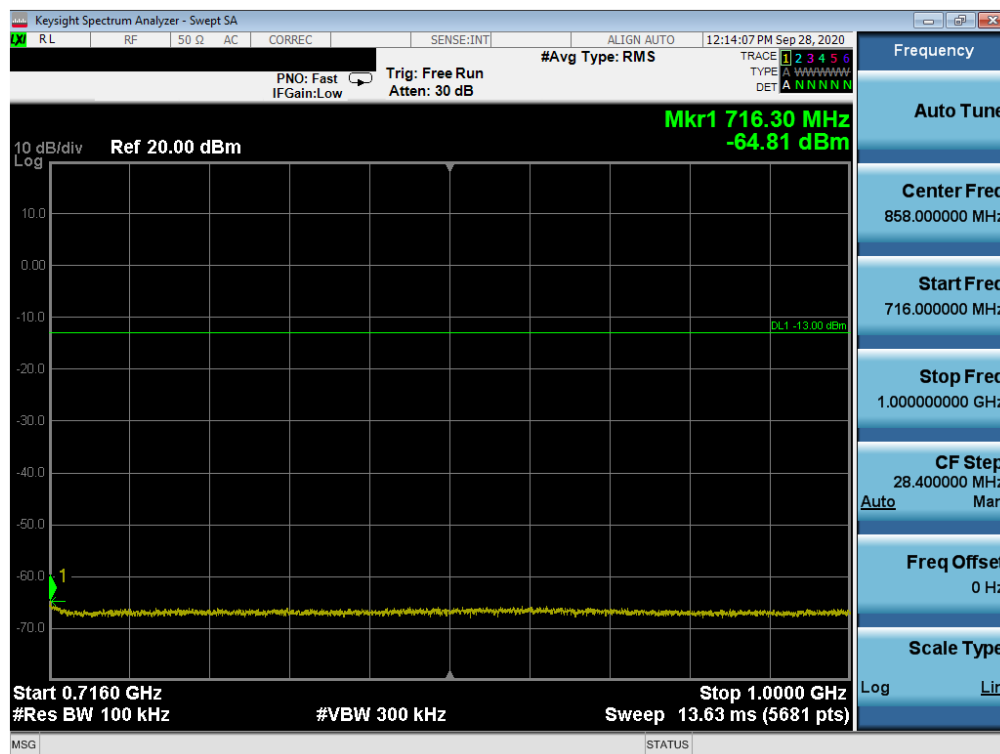
Plot 7-296. Conducted Spurious Plot (NR Band n71 - 20.0MHz - RB Size 1, RB Offset 0 - High Channel)

|                                         |                                              |                                   |                |                                 |
|-----------------------------------------|----------------------------------------------|-----------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | <b>PART 27 MEASUREMENT REPORT</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset     |                | Page 164 of 297                 |

## LTE Band 12

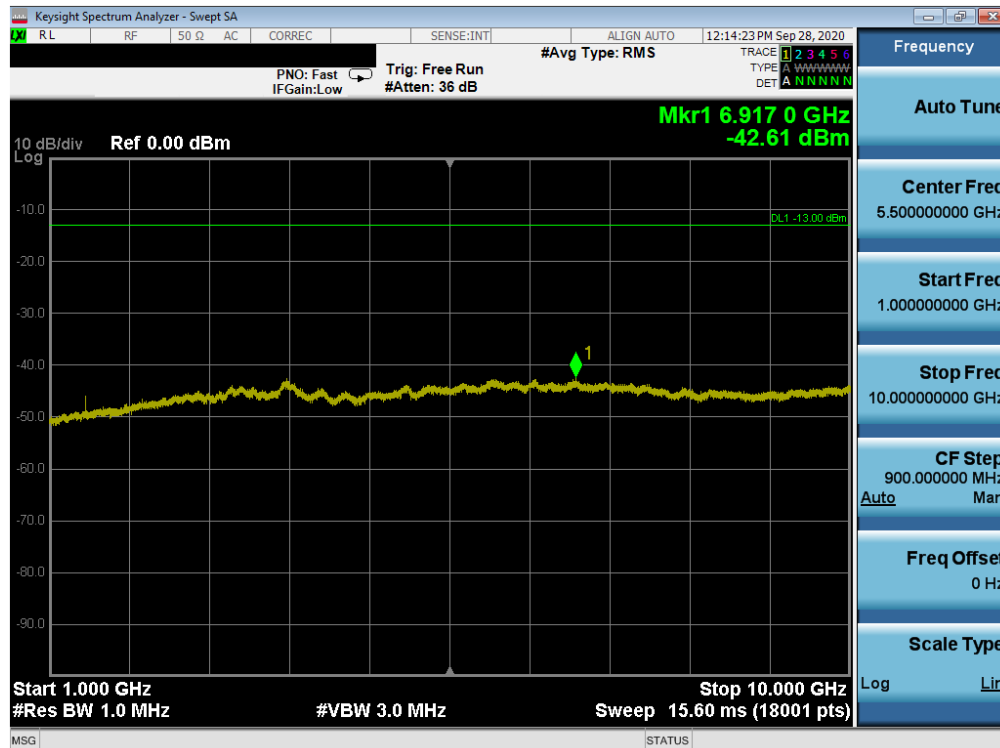


Plot 7-297. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

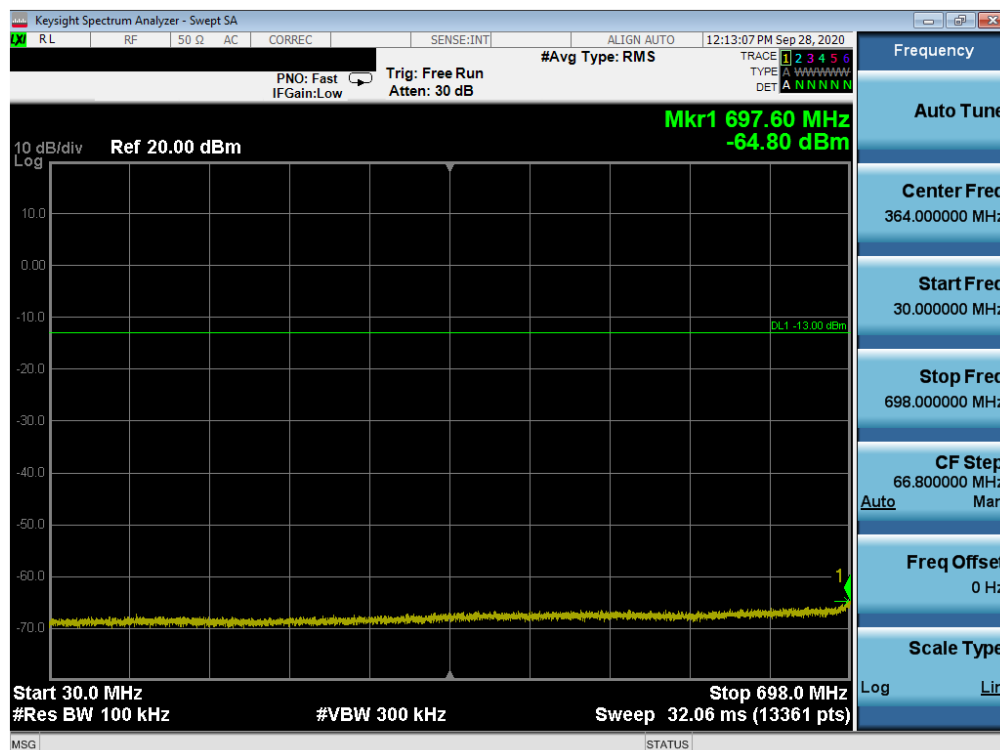


Plot 7-298. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 165 of 297                 |

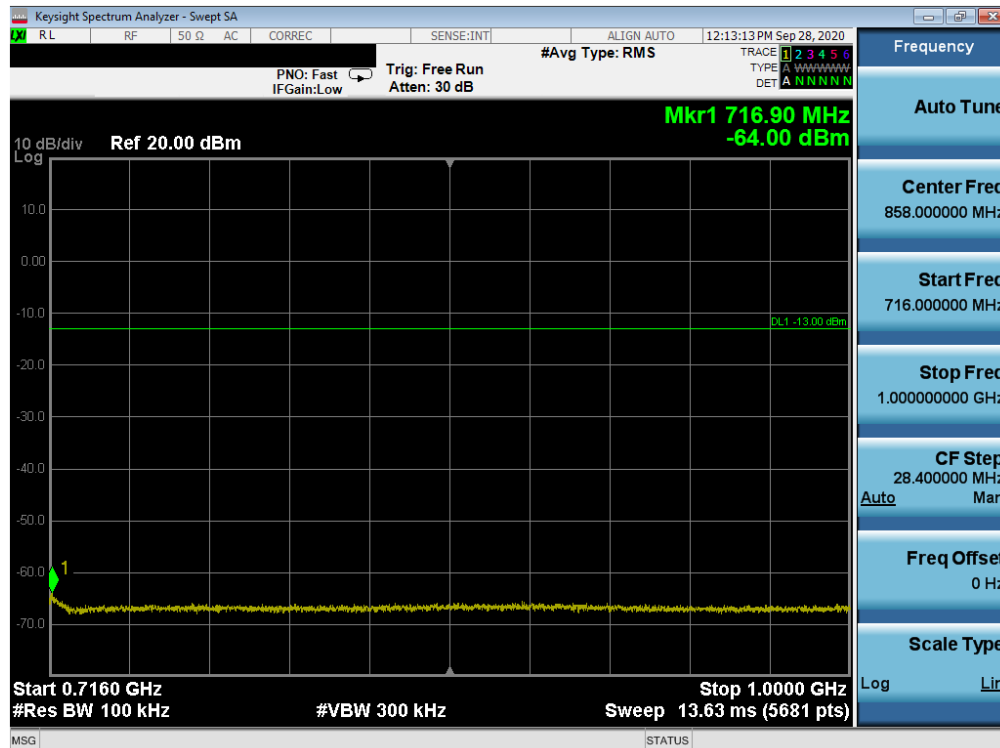


Plot 7-299. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

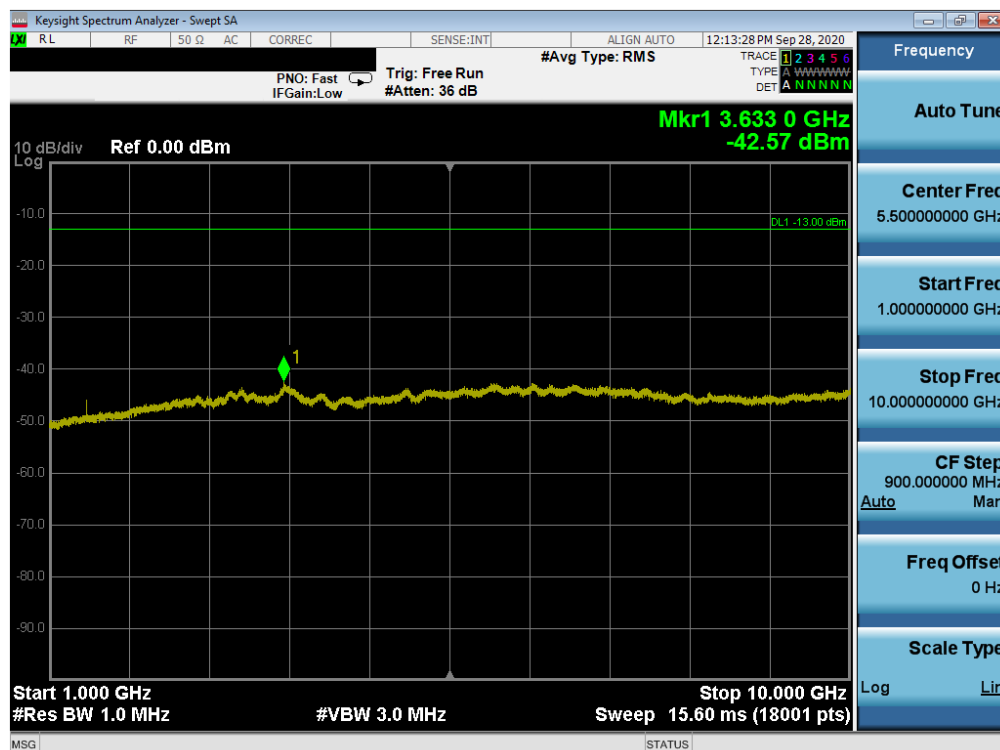


Plot 7-300. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 166 of 297                 |

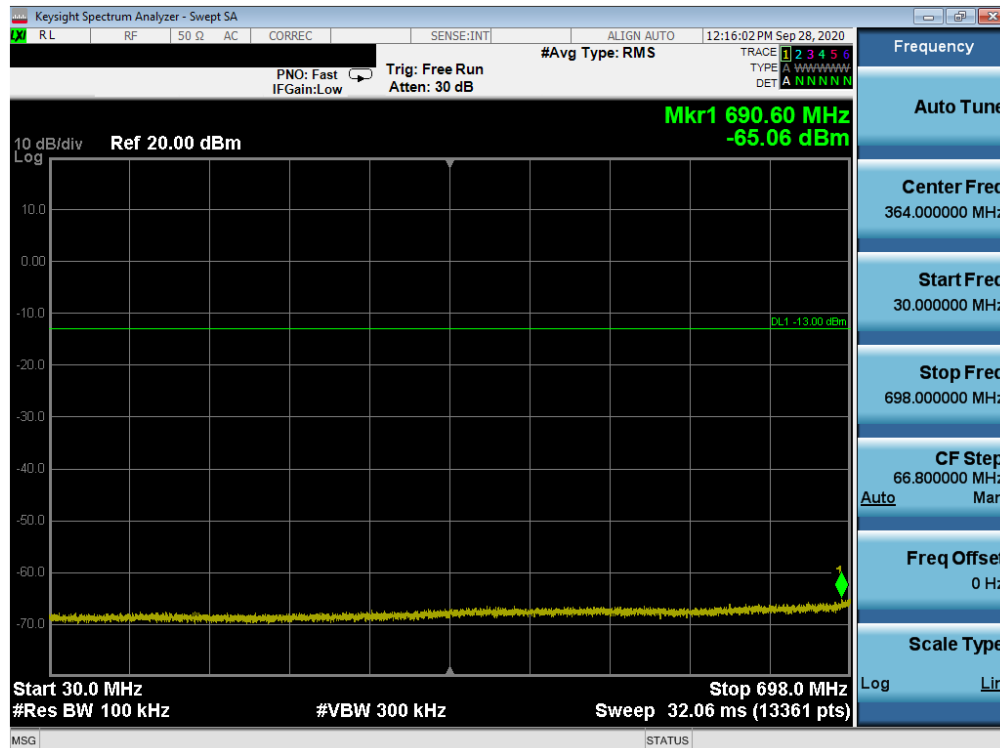


Plot 7-301. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

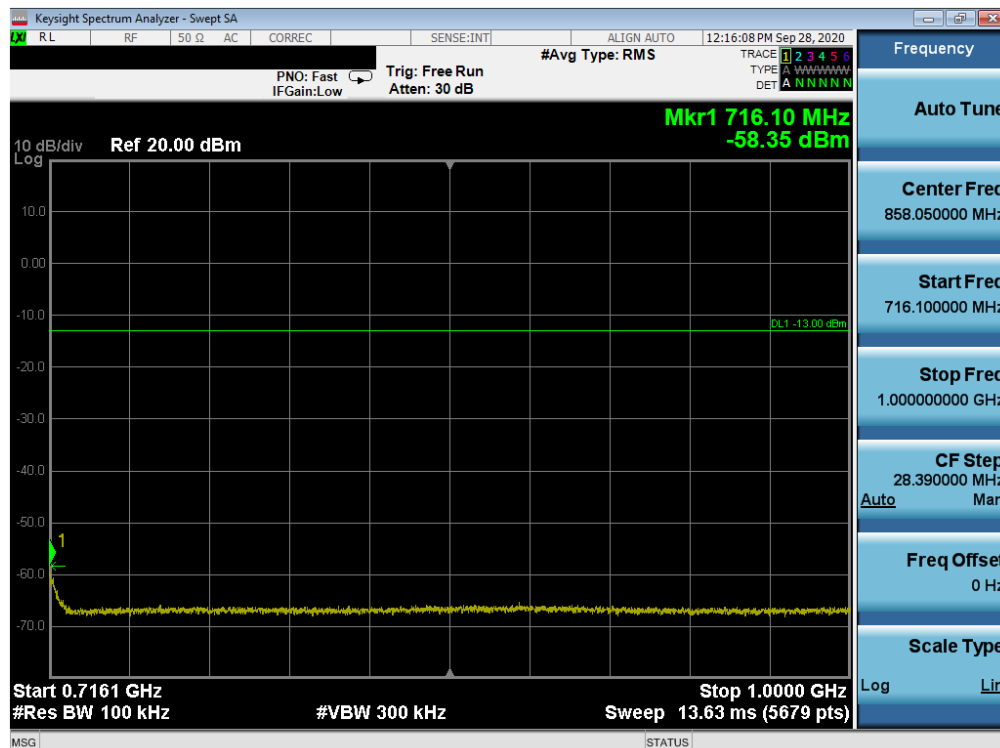


Plot 7-302. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 167 of 297                 |

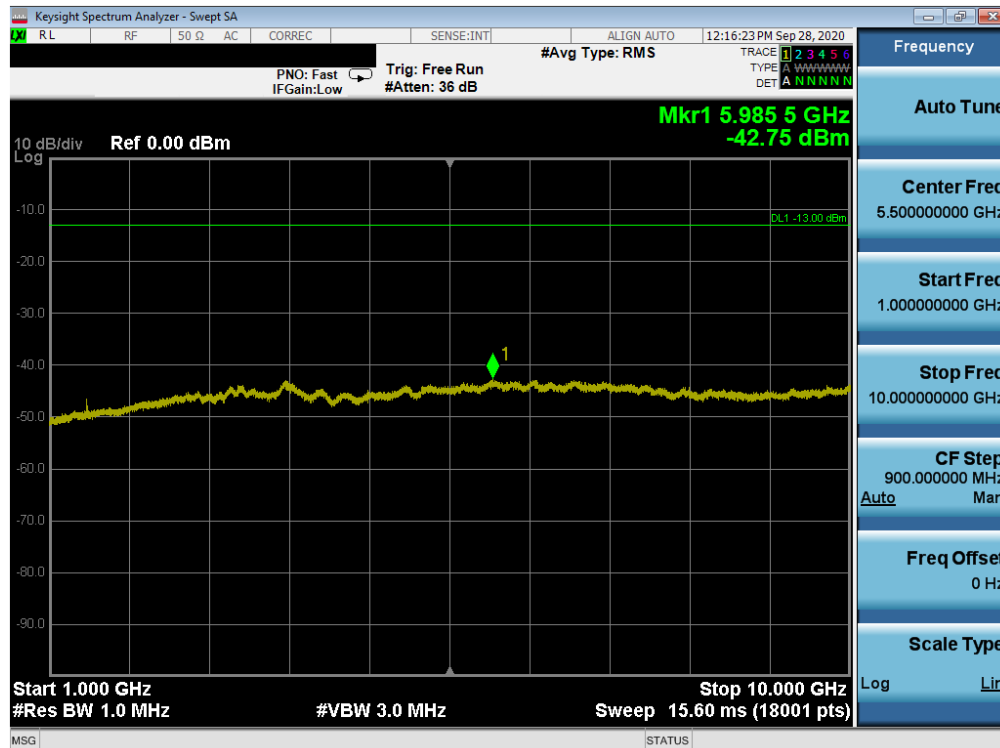


Plot 7-303. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-304. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

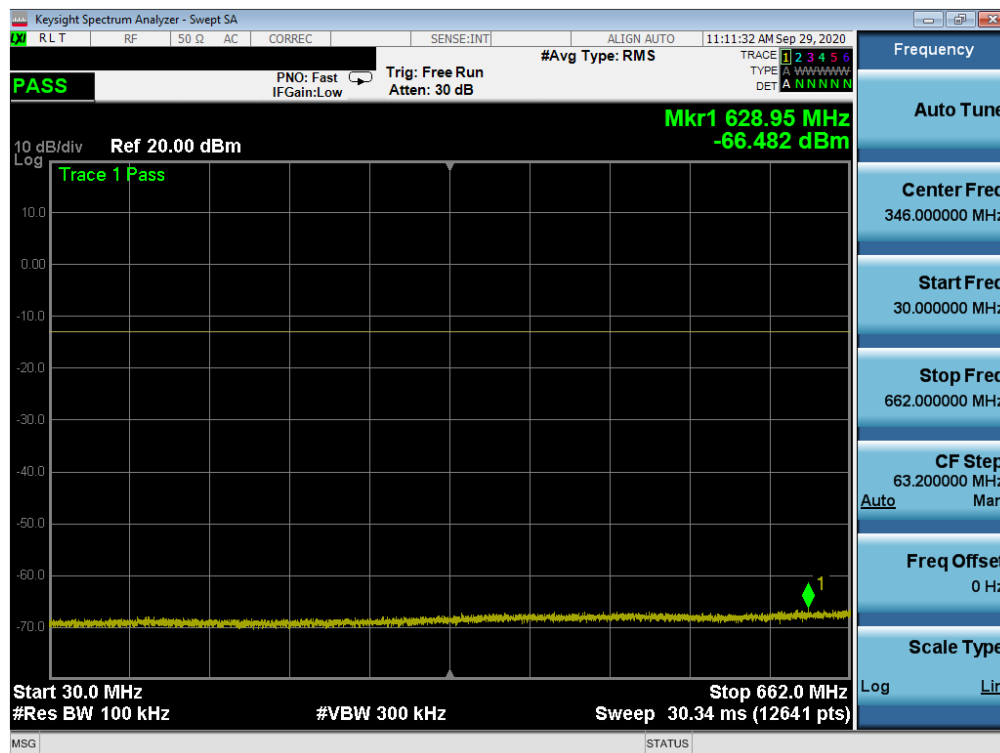
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 168 of 297                 |



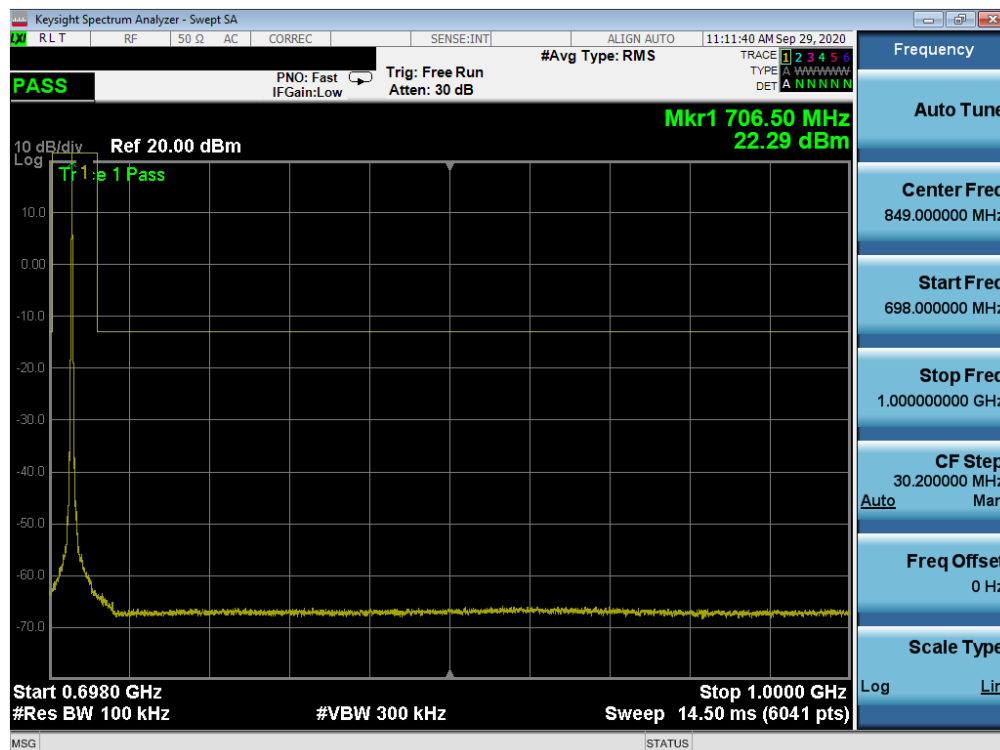
Plot 7-305. Conducted Spurious Plot (LTE Band 12 - 10MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 169 of 297                 |

## NR Band n12

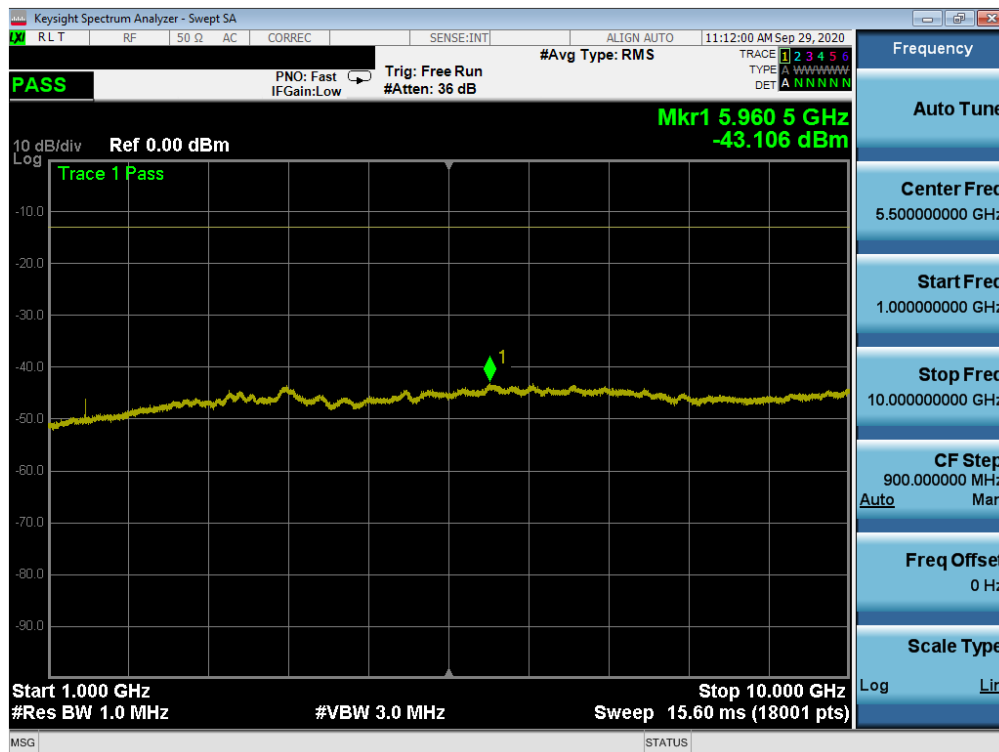


Plot 7-306. Conducted Spurious Plot (NR Band n12 -15.0MHz - RB Size 1, RB Offset 0 - Low Channel)

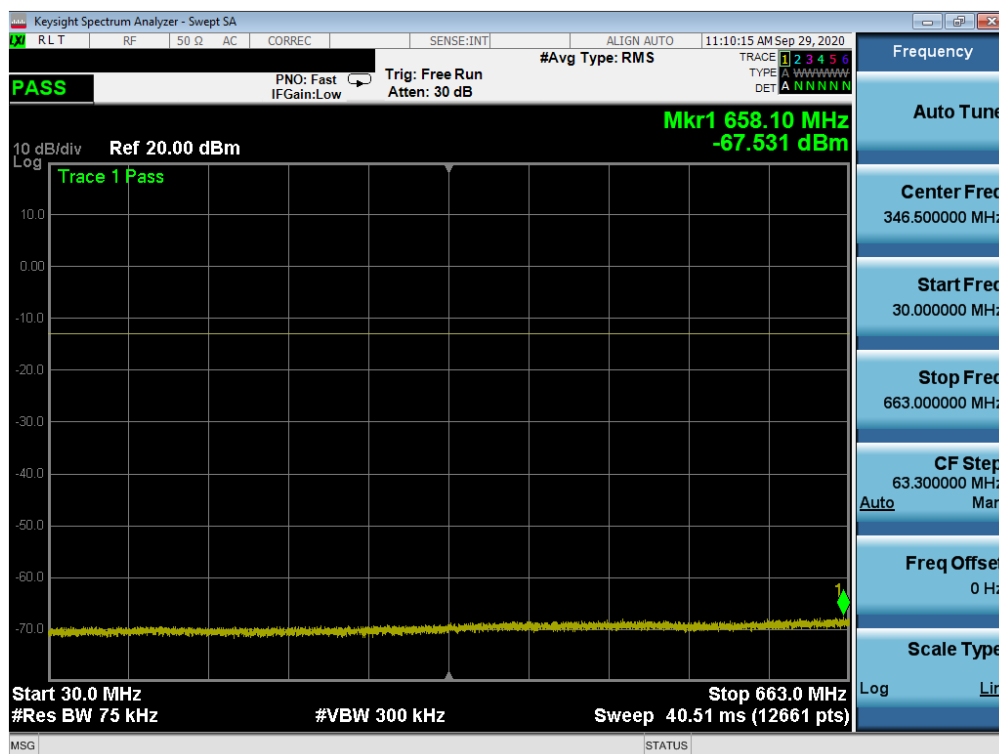


Plot 7-307. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 170 of 297                 |

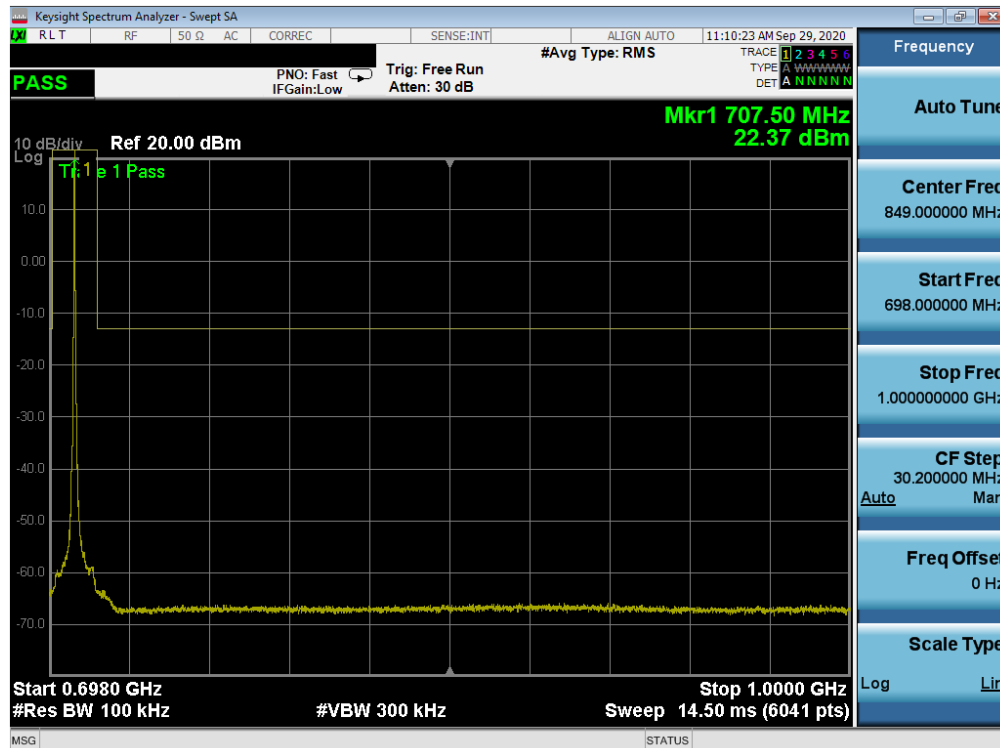


Plot 7-308. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - Low Channel)

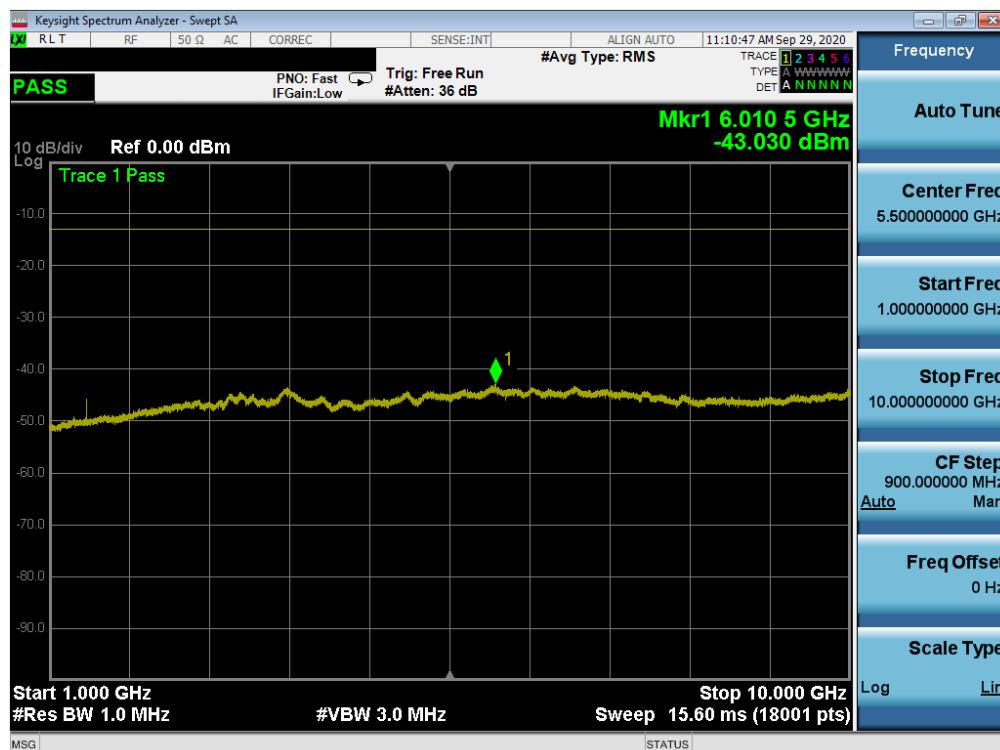


Plot 7-309. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 171 of 297                 |

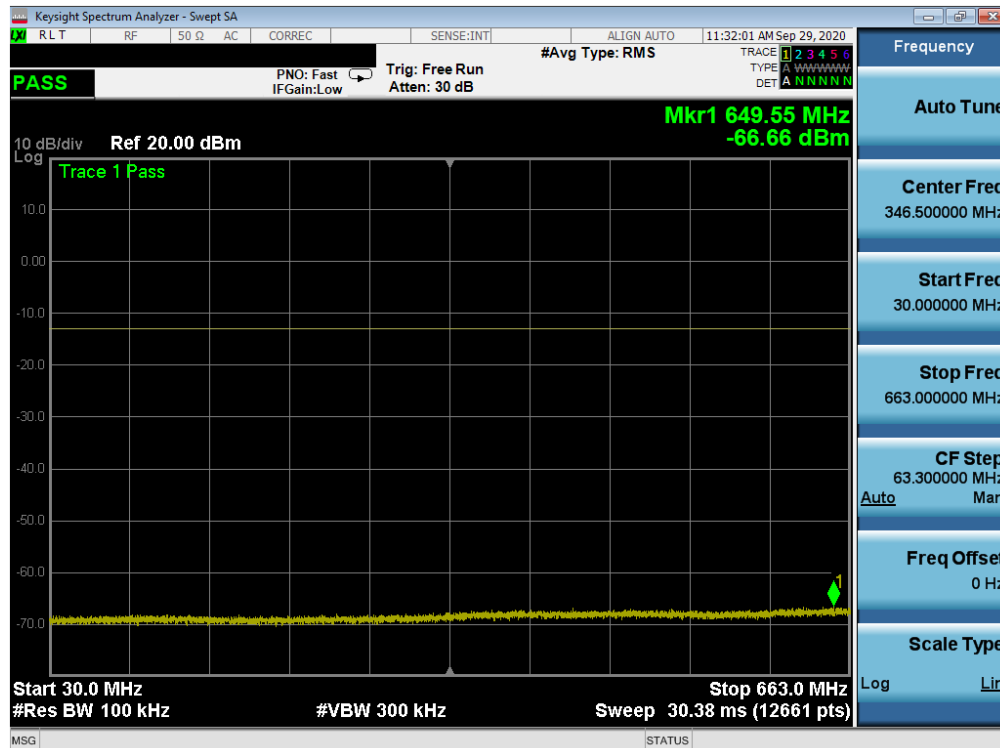


Plot 7-310. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

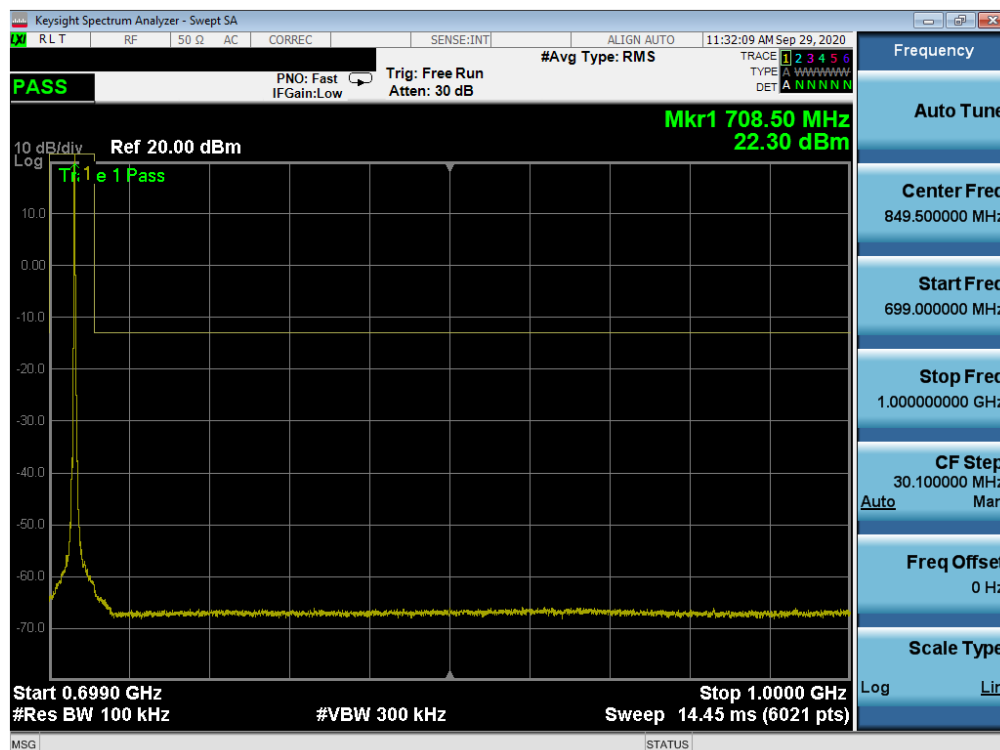


Plot 7-311. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 172 of 297                 |

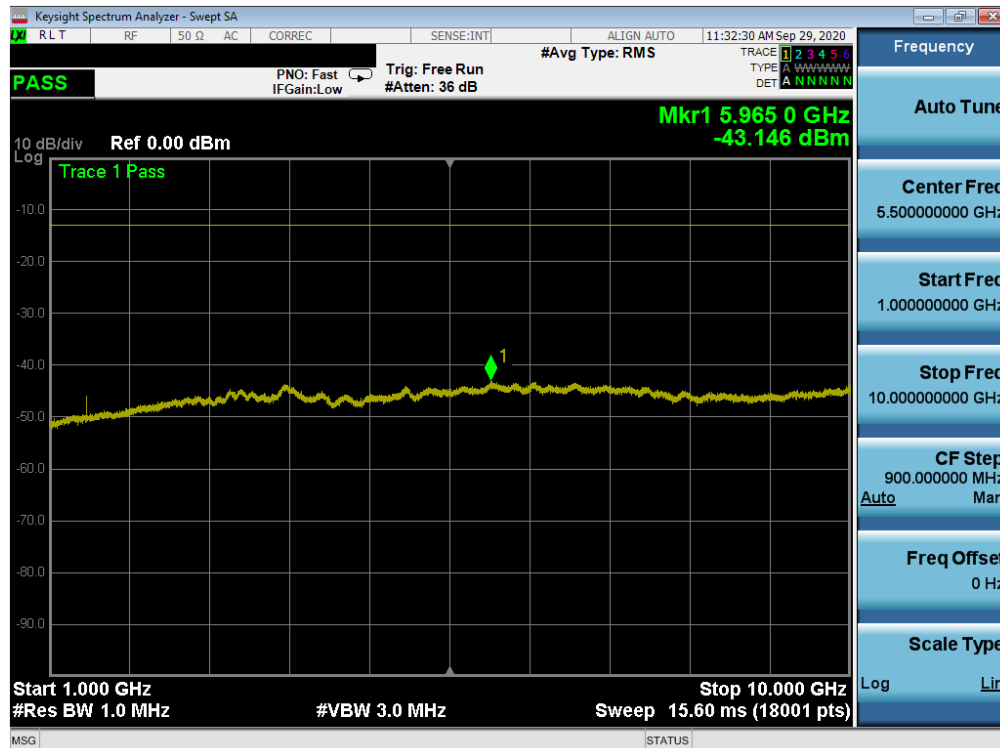


Plot 7-312. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-313. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - High Channel)

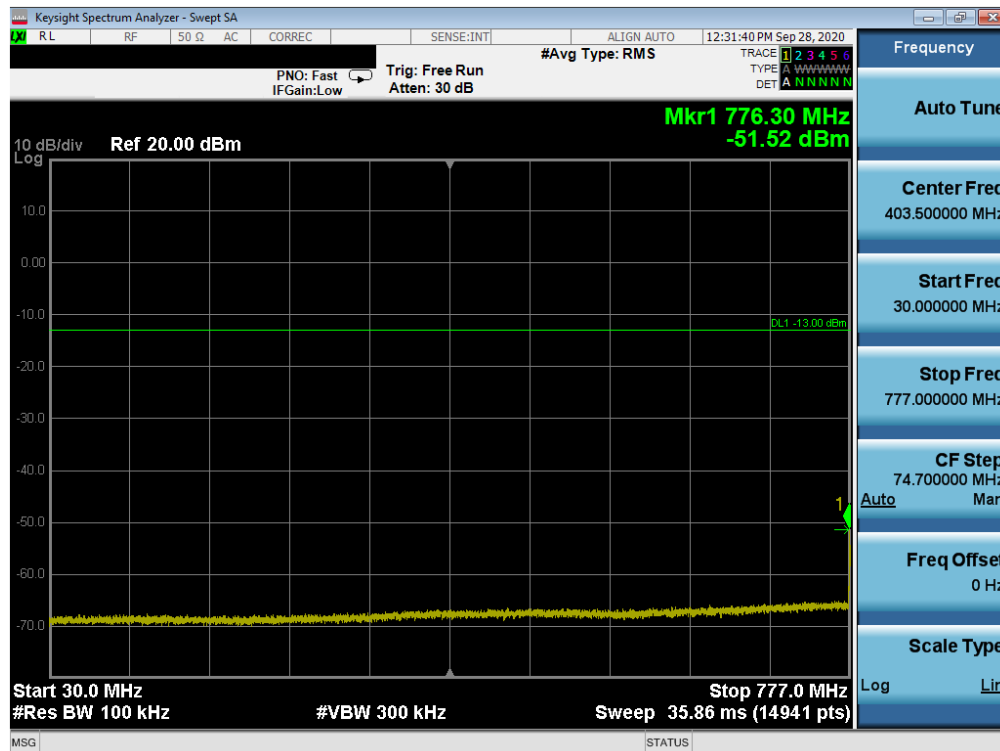
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 173 of 297                 |



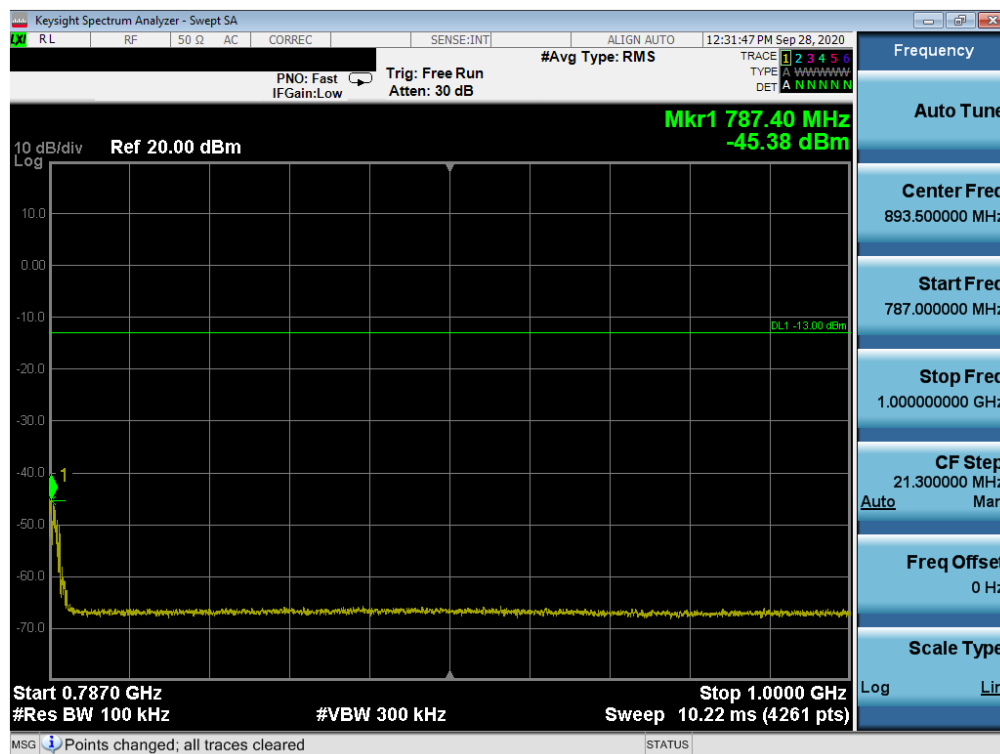
Plot 7-314. Conducted Spurious Plot (NR Band n12 - 15.0MHz - RB Size 1, RB Offset 0 - High Channel)

|                                         |                                              |                                   |                |                                 |
|-----------------------------------------|----------------------------------------------|-----------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | <b>PART 27 MEASUREMENT REPORT</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset     |                | Page 174 of 297                 |

## LTE Band 13

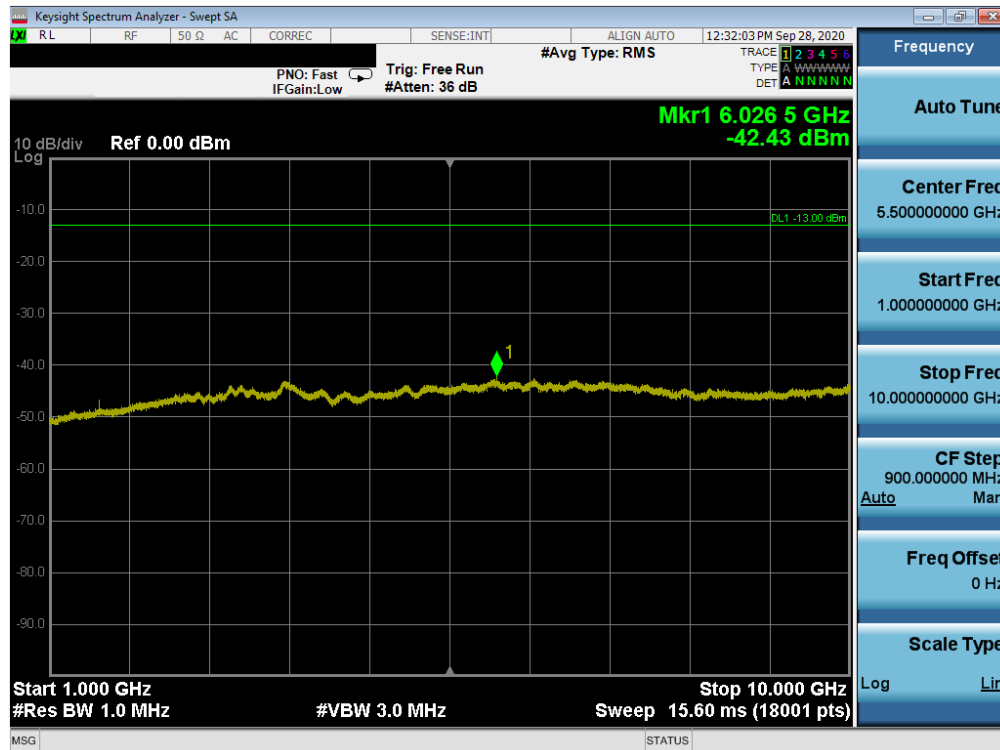


Plot 7-315. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - RB Size 1, RB Offset 0)



Plot 7-316. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - RB Size 1, RB Offset 0)

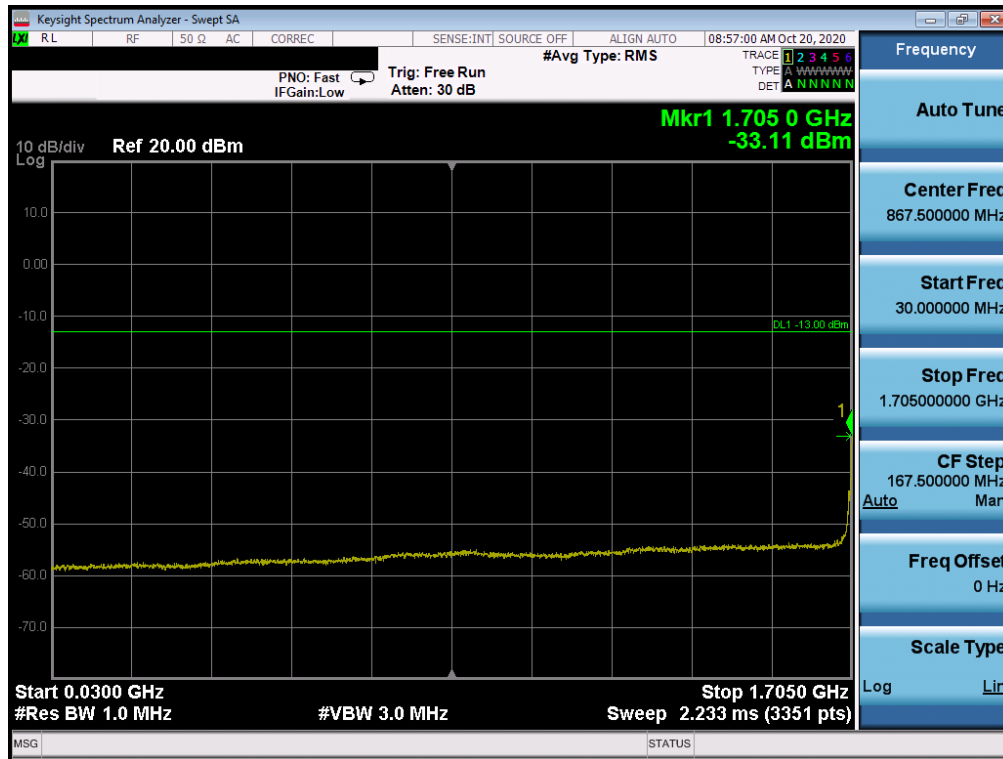
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 175 of 297                 |



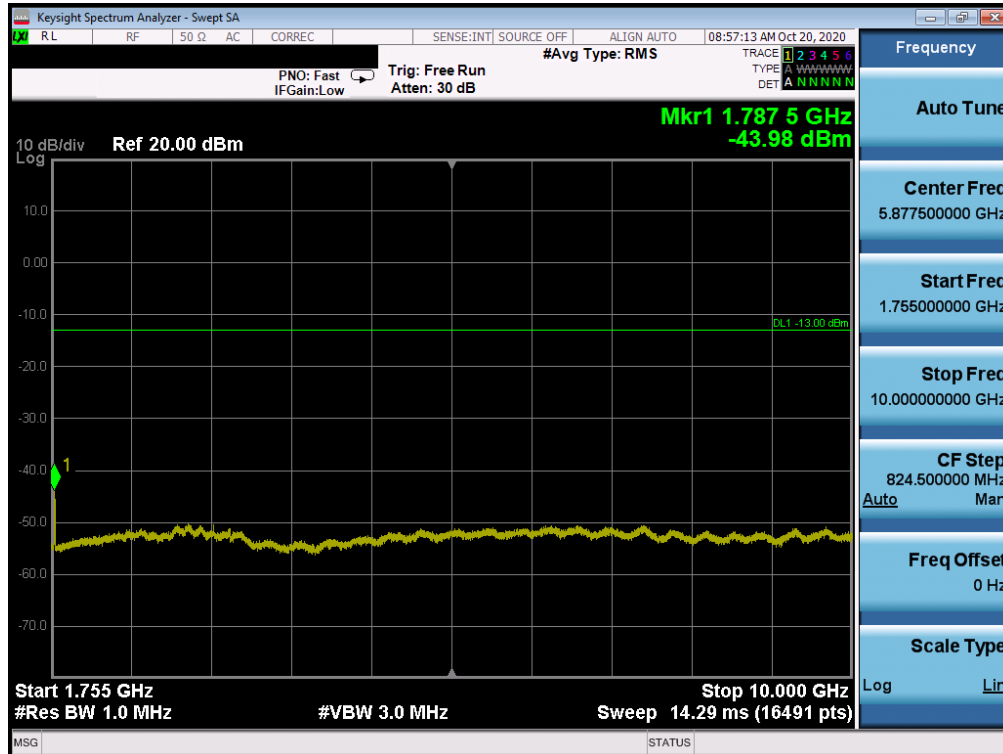
Plot 7-317. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - RB Size 1, RB Offset 0)

|                                         |                                              |                                   |                |                                 |
|-----------------------------------------|----------------------------------------------|-----------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | <b>PART 27 MEASUREMENT REPORT</b> | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset     |                | Page 176 of 297                 |

## WCDMA AWS

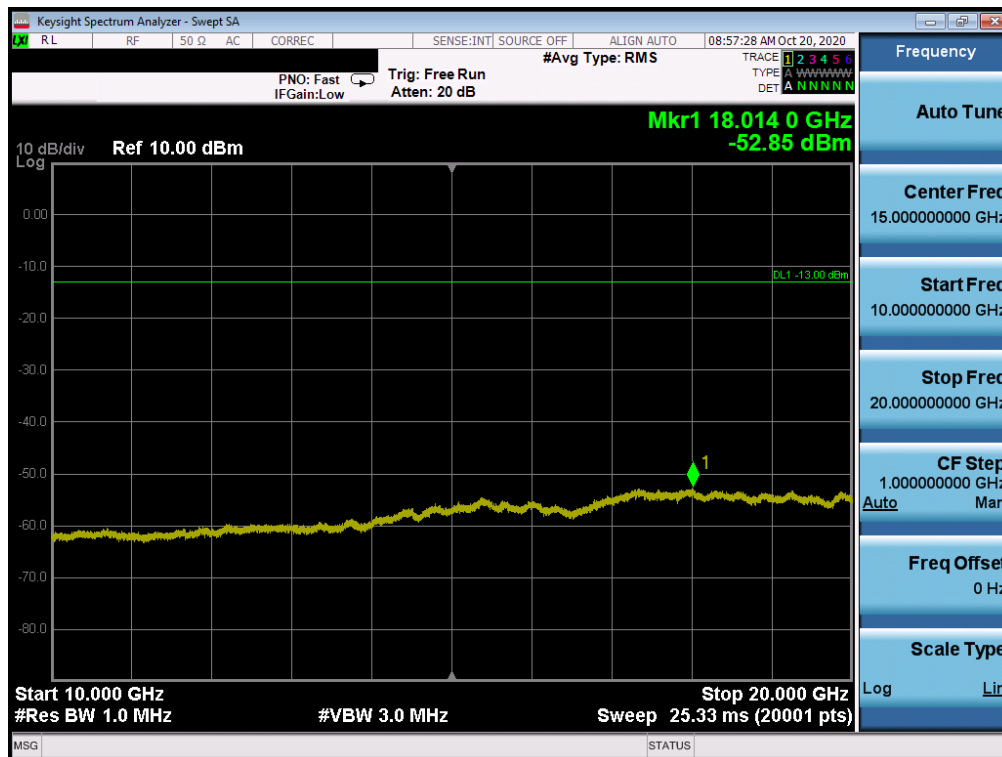


Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel)

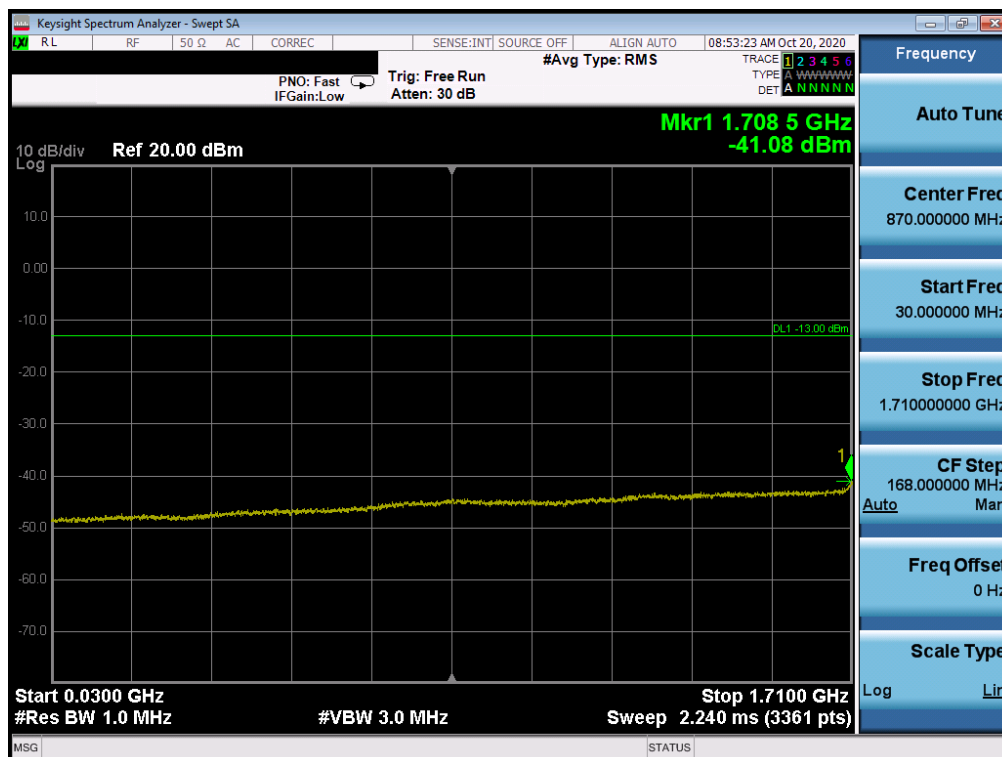


Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 177 of 297                 |

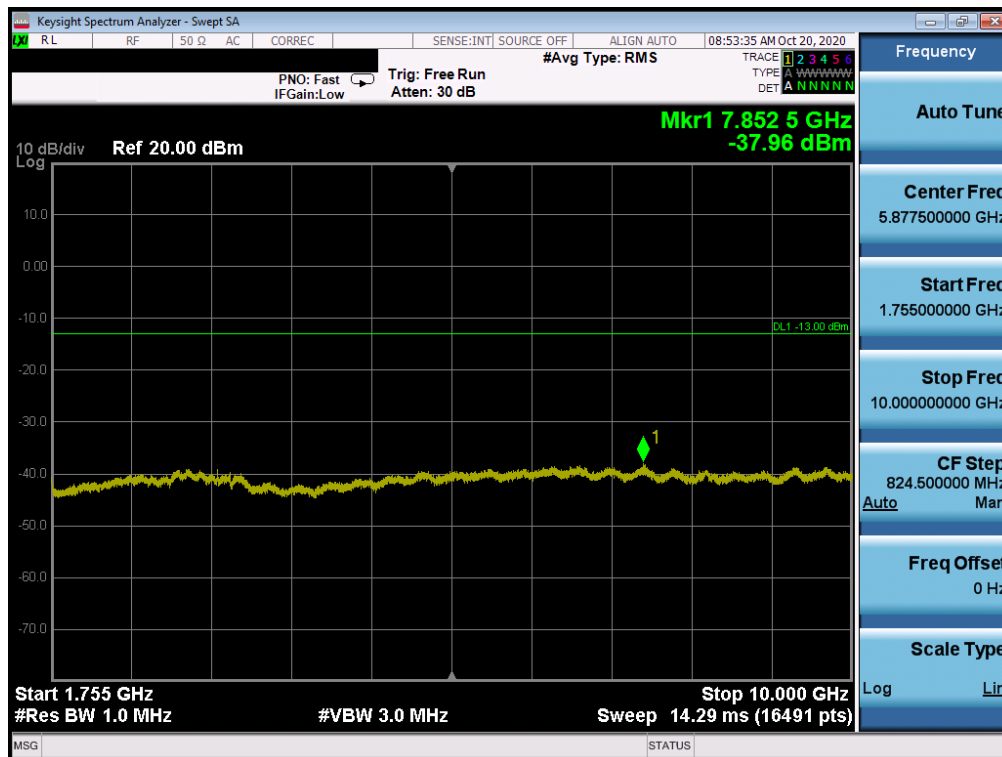


Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1312- Low Channel)



Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 178 of 297                 |

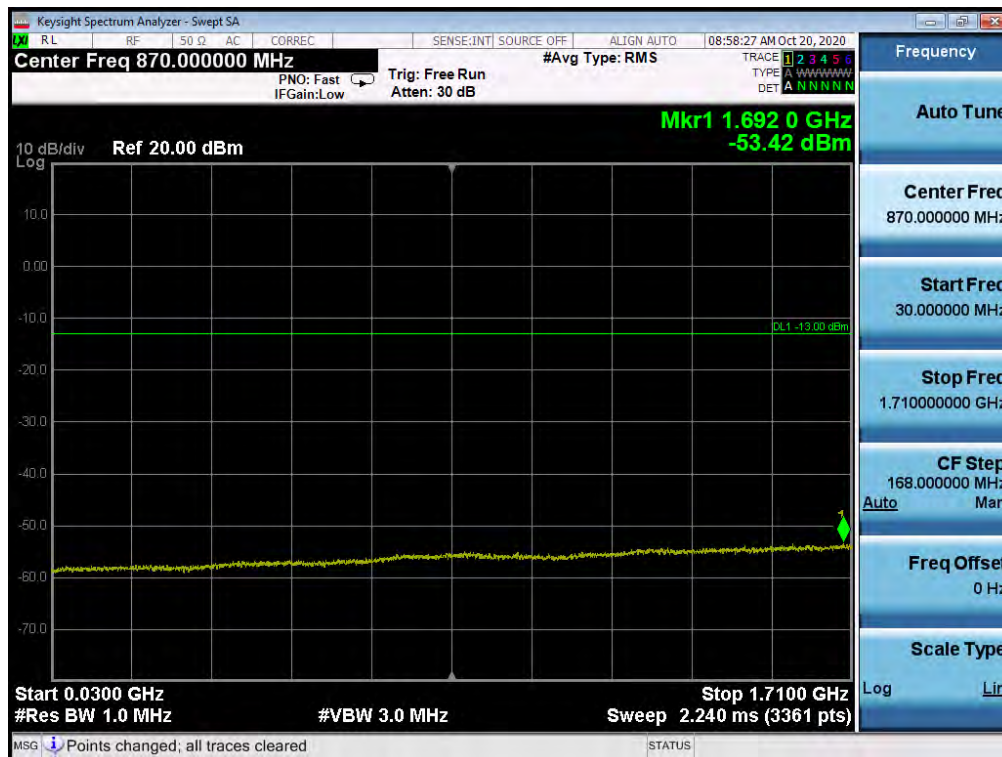


Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

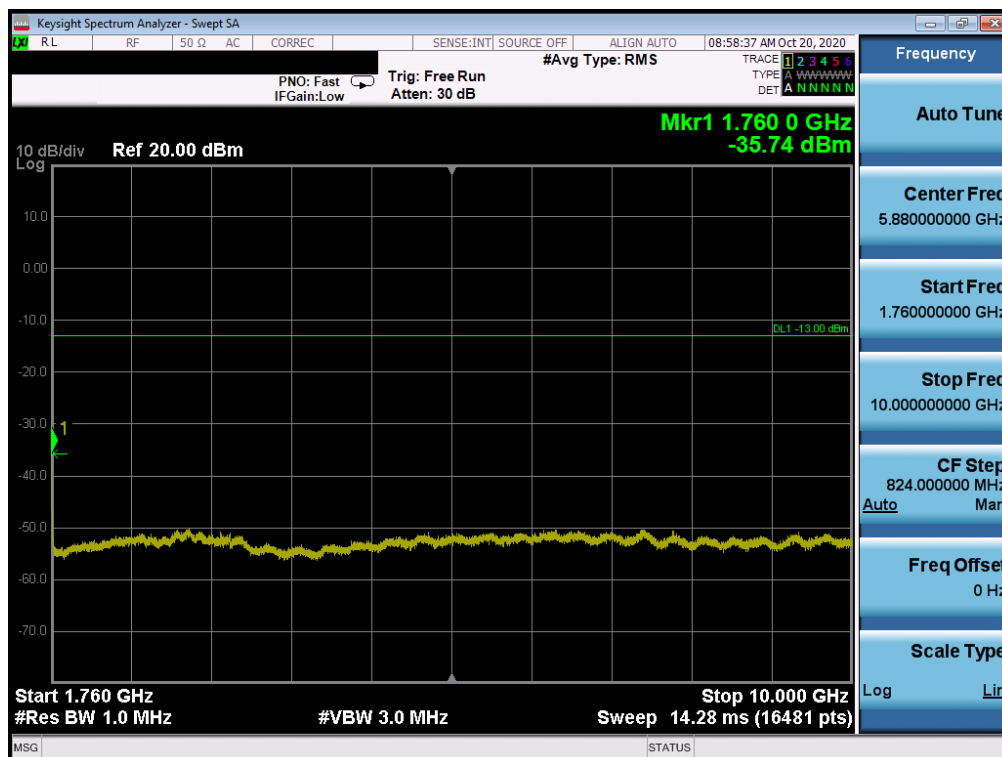


Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1413- Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 179 of 297                 |

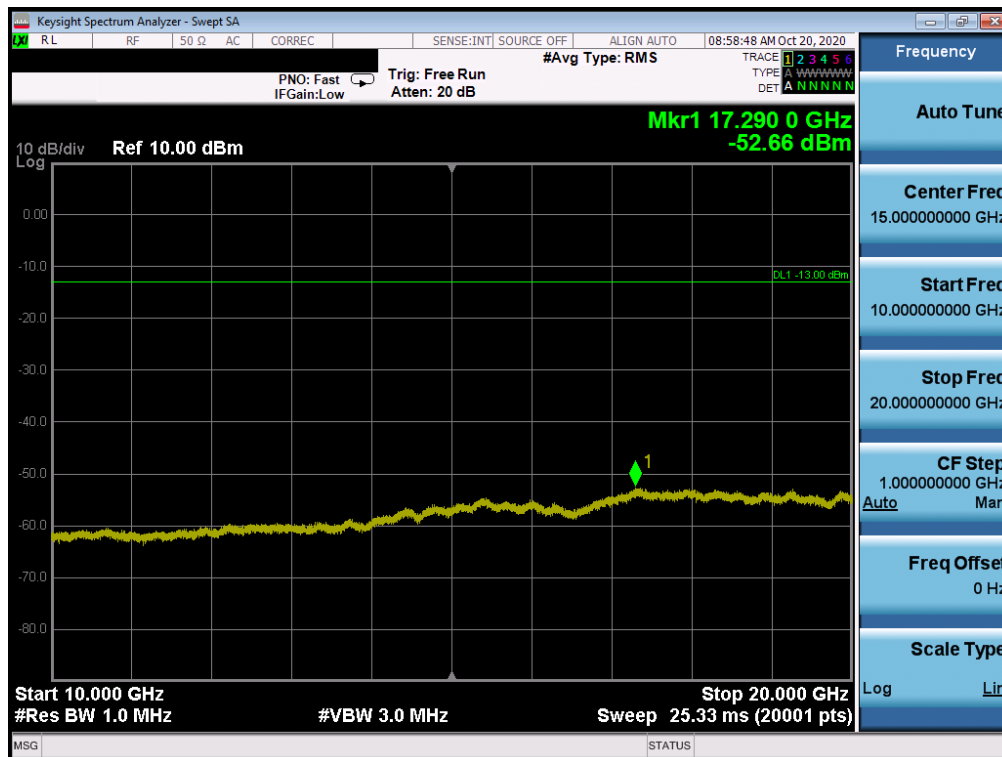


Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)



Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)

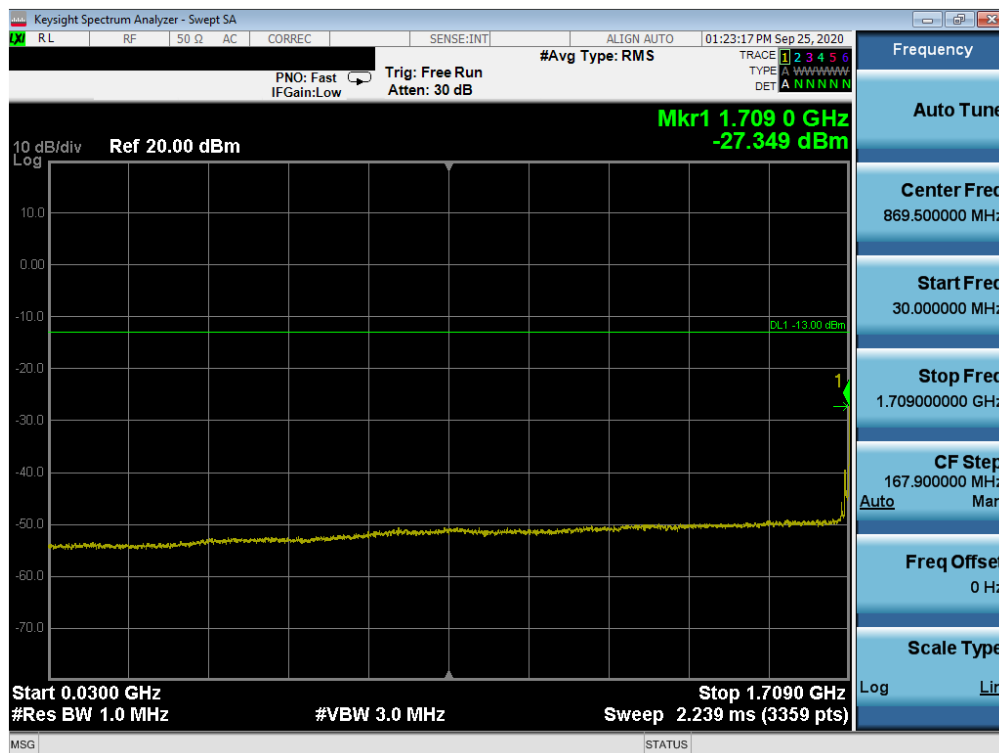
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 180 of 297                 |



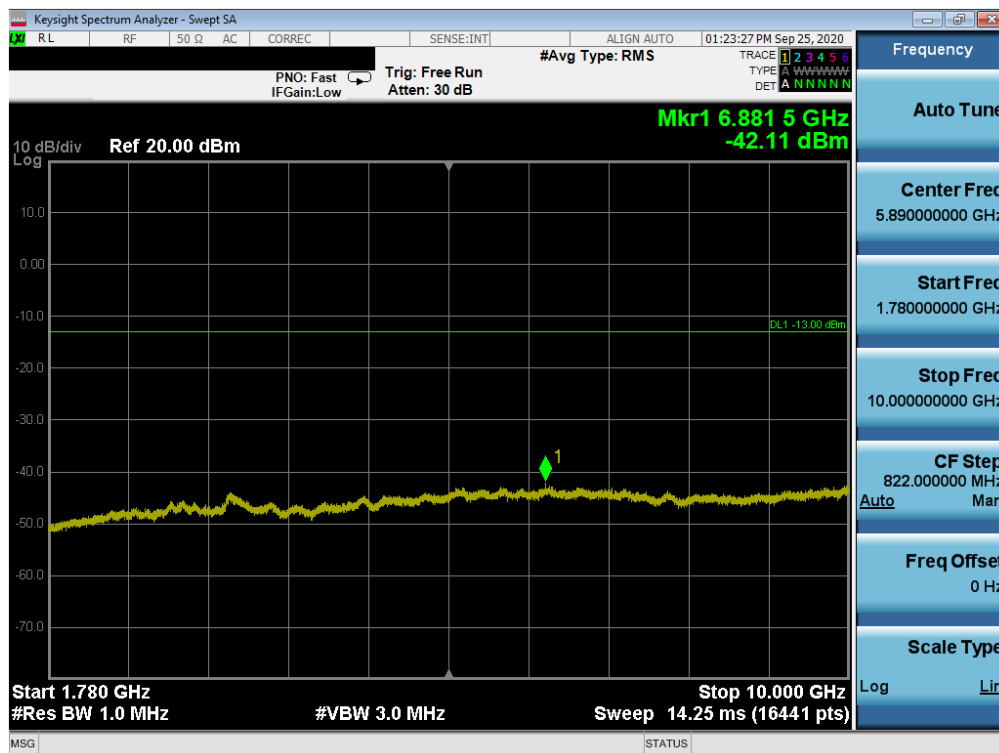
Plot 7-31. Conducted Spurious Plot (WCDMA Ch. 1513- High Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 – 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 181 of 297                 |

## LTE Band 66/4

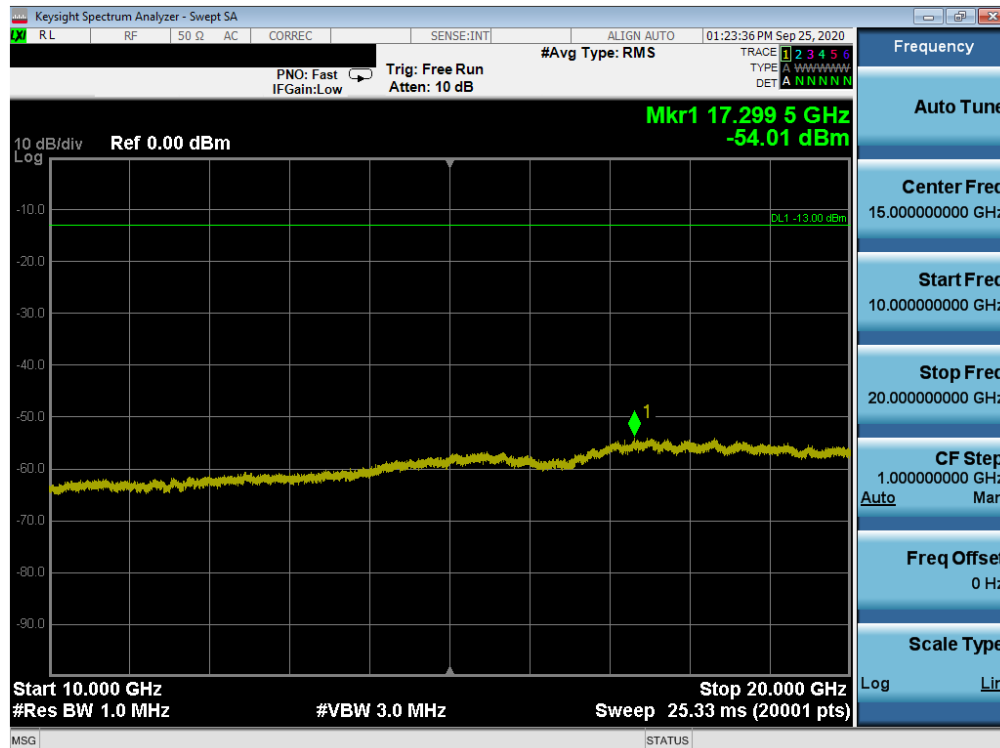


Plot 7-318. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

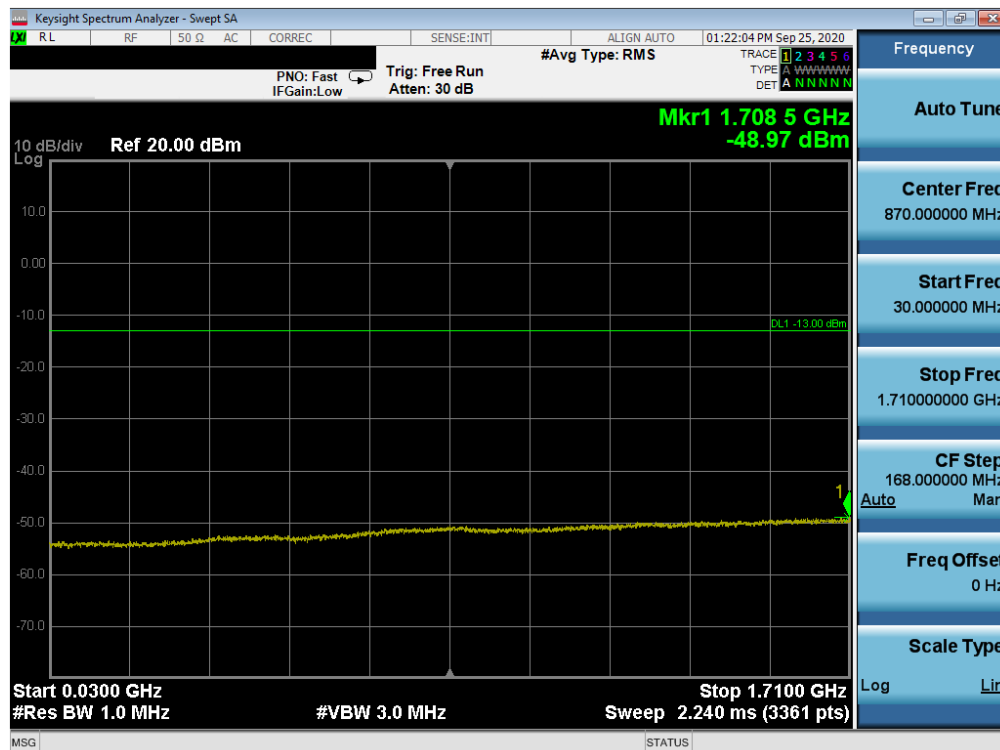


Plot 7-319. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 182 of 297                 |

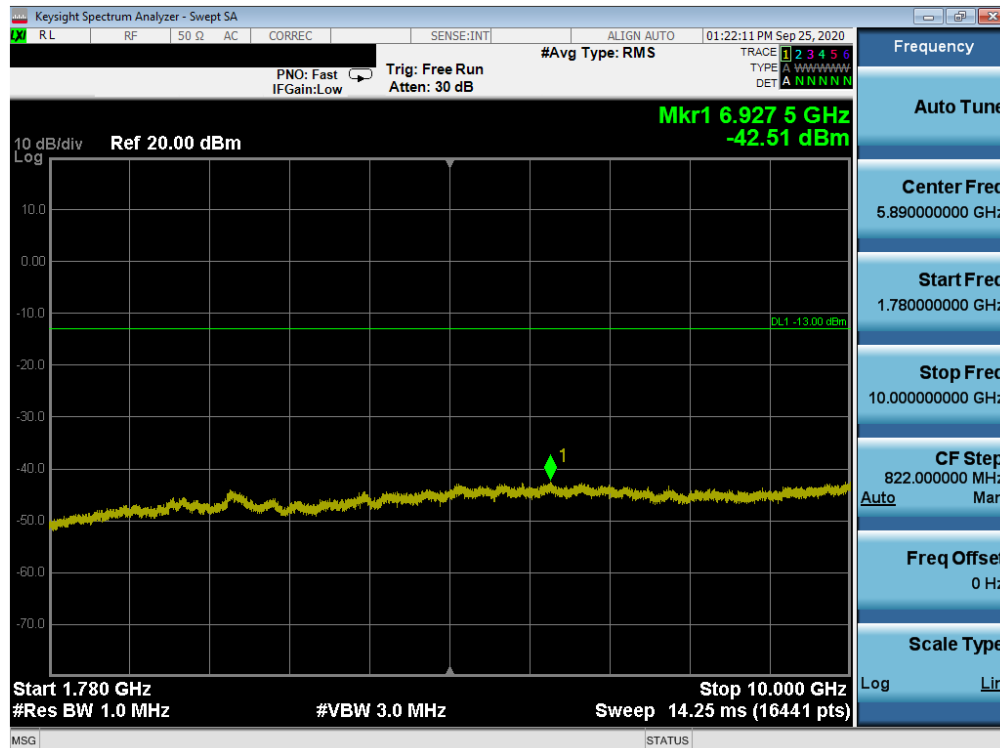


Plot 7-320. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

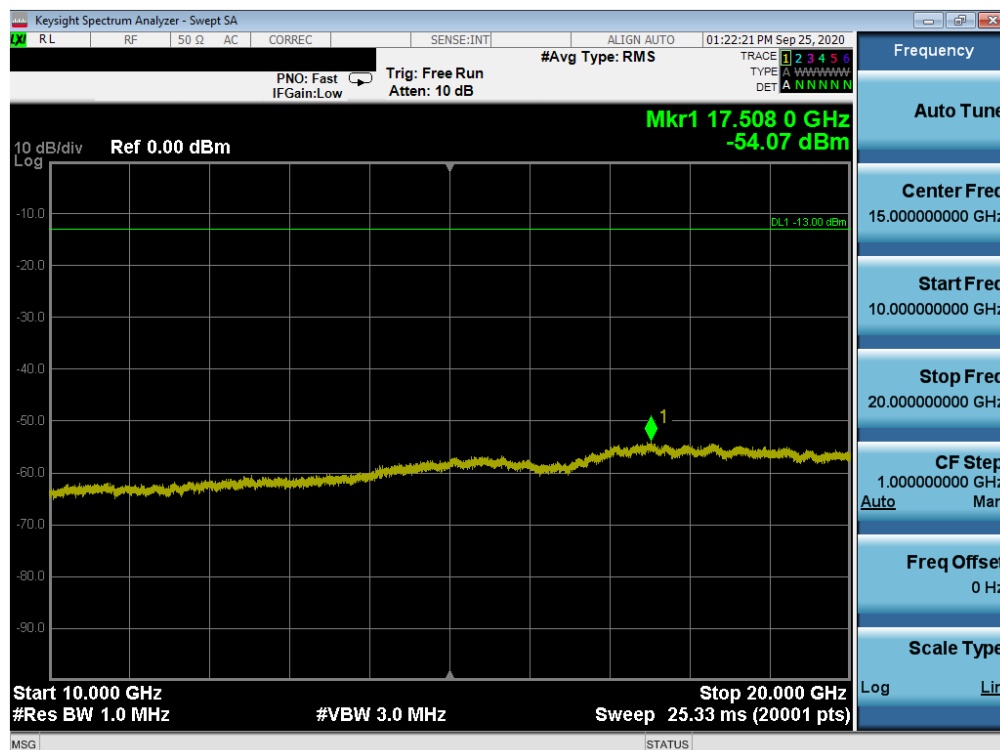


Plot 7-321. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 183 of 297                 |

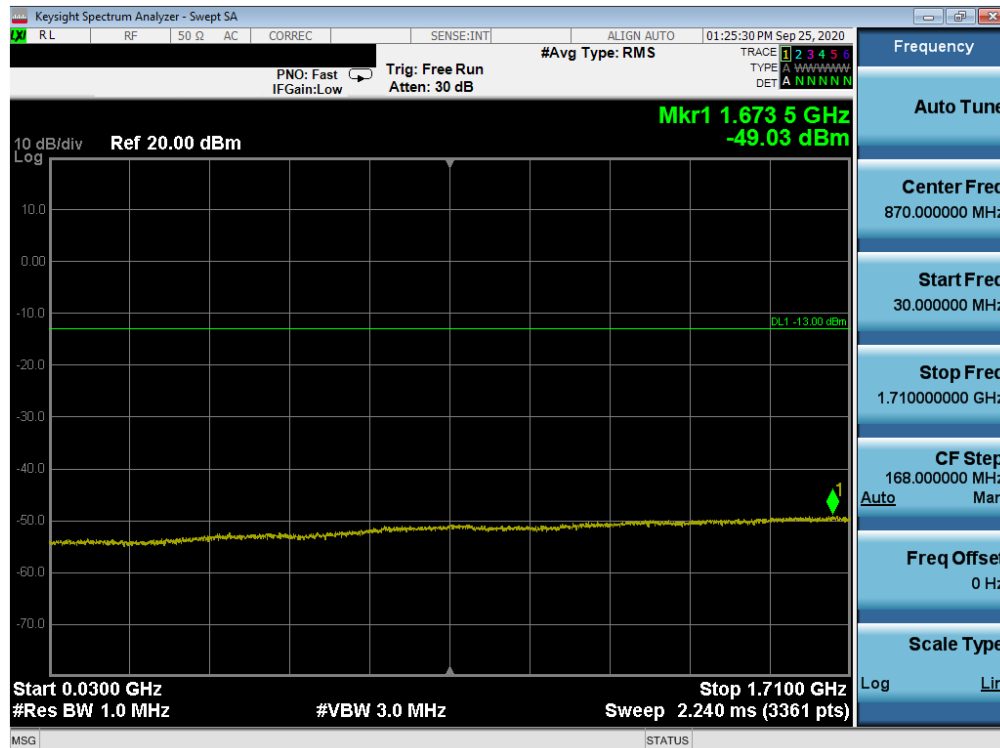


Plot 7-322. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

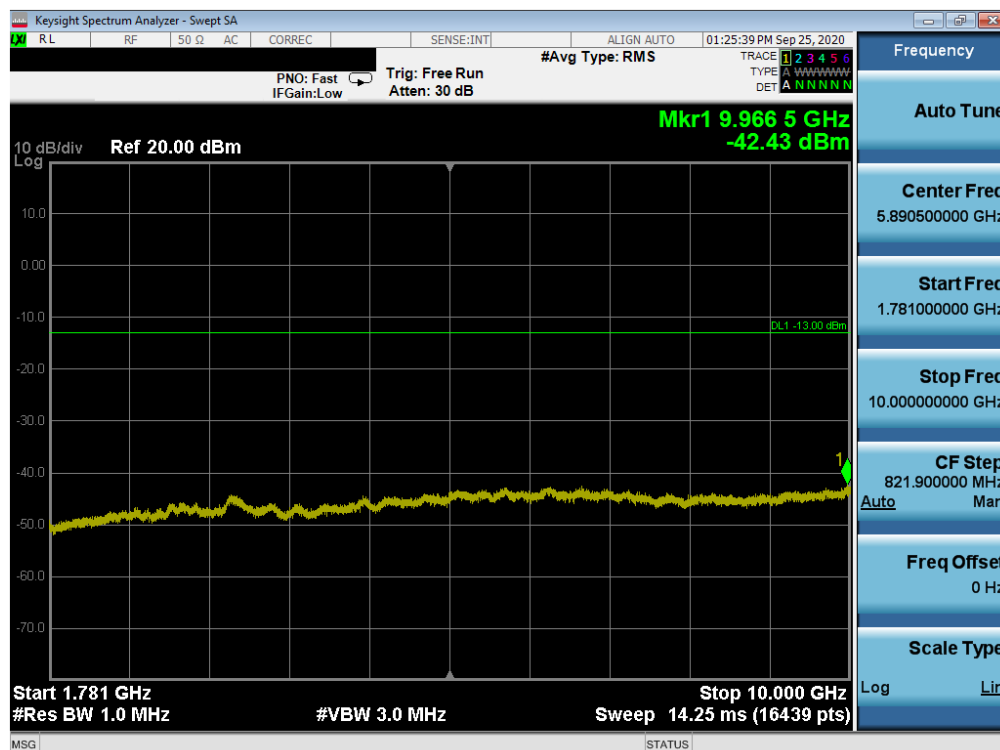


Plot 7-323. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 184 of 297                 |

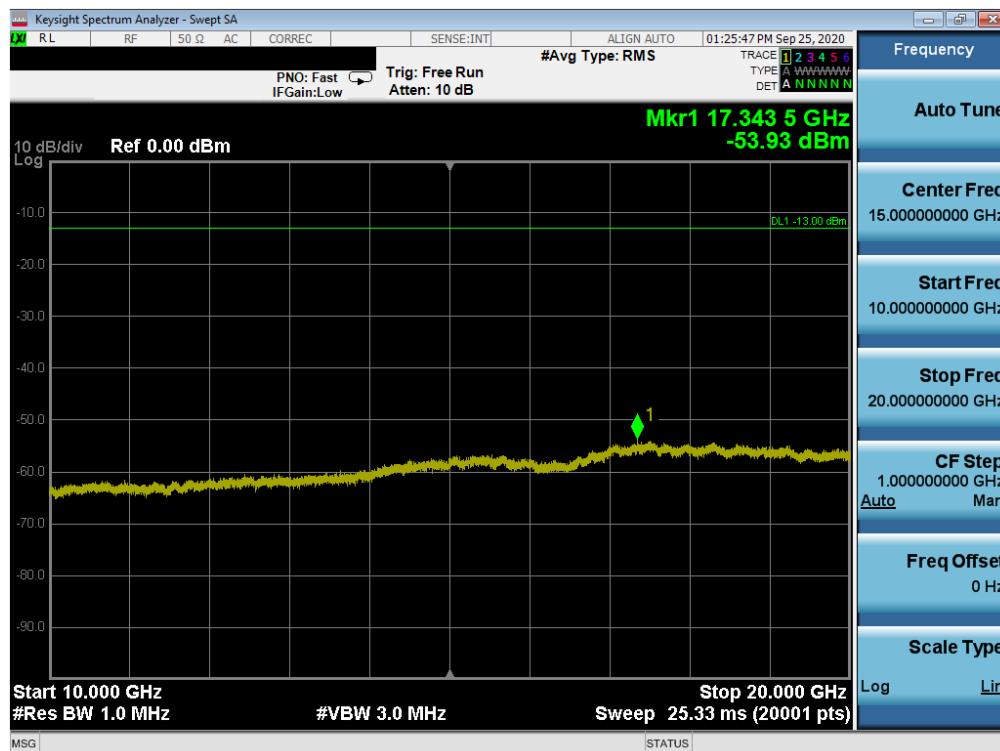


Plot 7-324. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-325. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

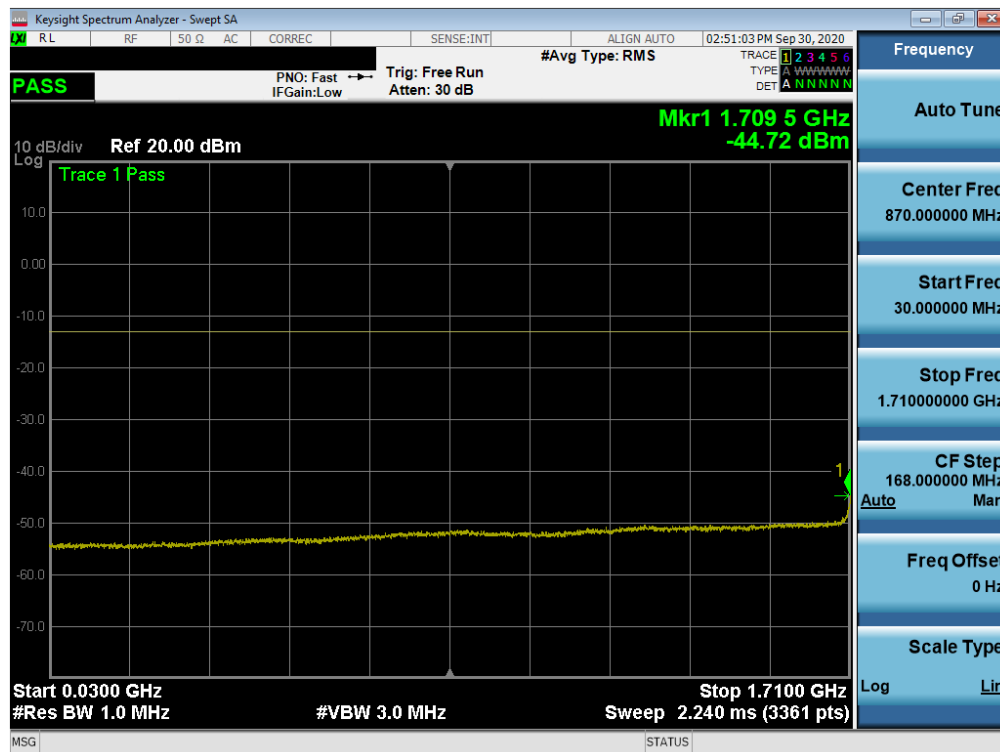
|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27-A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 185 of 297                 |



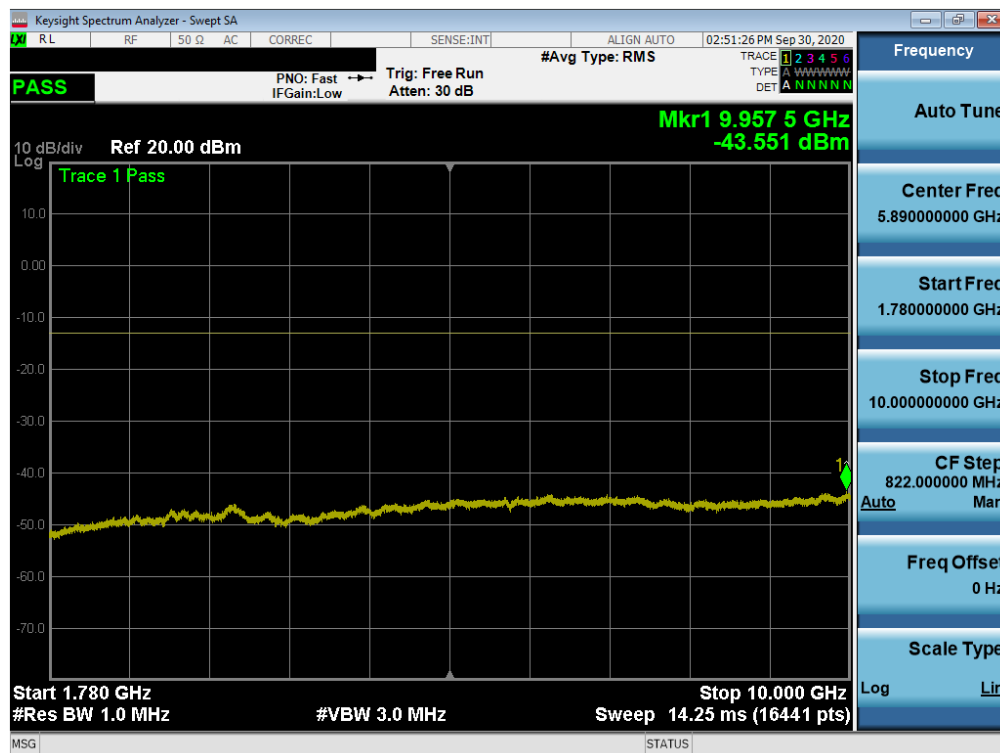
Plot 7-326. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

|                                                |                                              |                                      |                                        |
|------------------------------------------------|----------------------------------------------|--------------------------------------|----------------------------------------|
| FCC ID: A3LSMG998U                             | <b>PCTEST</b><br>Proud to be part of element | <b>PART 27 MEASUREMENT REPORT</b>    | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1M2009230152-27.A3L | <b>Test Dates:</b><br>9/23 – 12/10/2020      | <b>EUT Type:</b><br>Portable Handset | Page 186 of 297                        |

## NR Band n66



Plot 7-327. Conducted Spurious Plot (NR Band n66 -20.0MHz - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-328. Conducted Spurious Plot (NR Band n66 - 20.0MHz - RB Size 1, RB Offset 0 - Low Channel)

|                                         |                                              |                               |                |                                 |
|-----------------------------------------|----------------------------------------------|-------------------------------|----------------|---------------------------------|
| FCC ID: A3LSMG998U                      | <b>PCTEST</b><br>Proud to be part of element | PART 27 MEASUREMENT REPORT    | <b>SAMSUNG</b> | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1M2009230152-27.A3L | Test Dates:<br>9/23 - 12/10/2020             | EUT Type:<br>Portable Handset |                | Page 187 of 297                 |