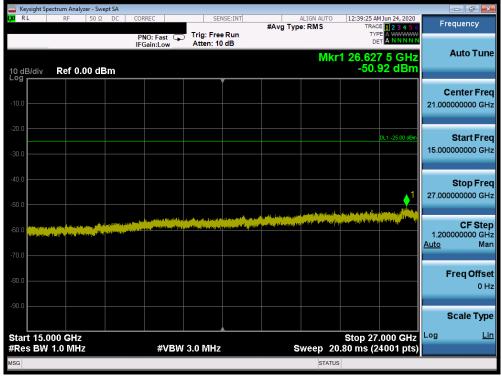




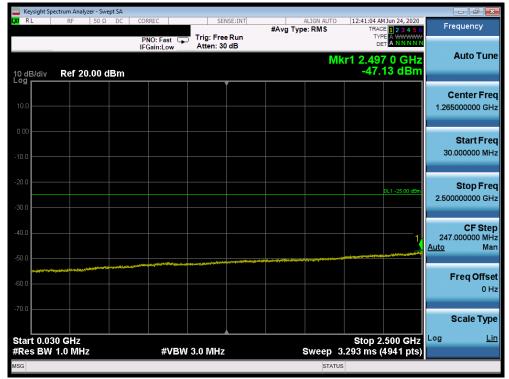
Plot 7-355. Conducted Spurious Plot (Band 7 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



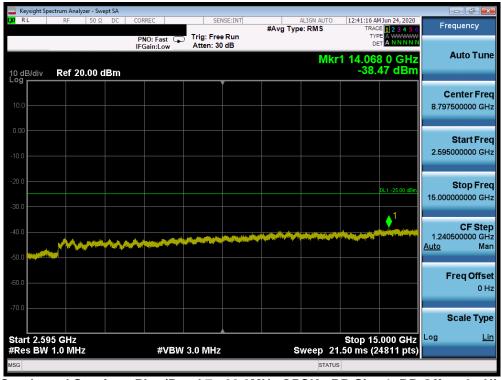
Plot 7-356. Conducted Spurious Plot (Band 7 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 202 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 202 of 466
© 2020 PCTEST				V 9.0 02/01/2019





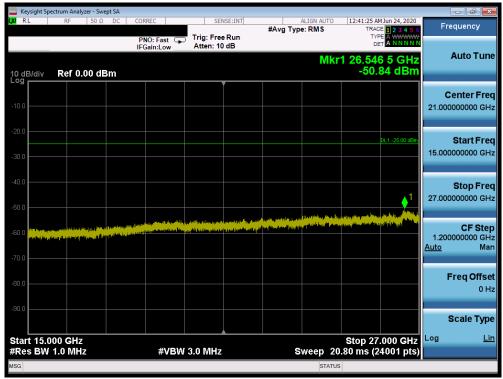
Plot 7-357. Conducted Spurious Plot (Band 7 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-358. Conducted Spurious Plot (Band 7 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 202 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 203 of 466
© 2020 PCTEST				V 9.0 02/01/2019



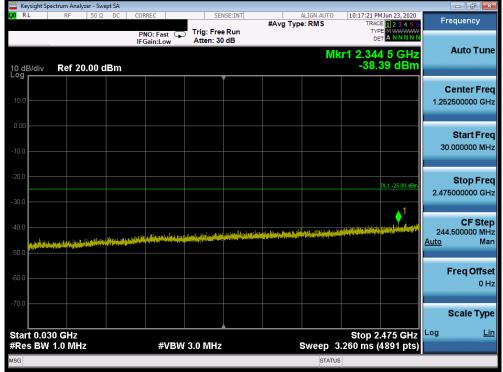


Plot 7-359. Conducted Spurious Plot (Band 7 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

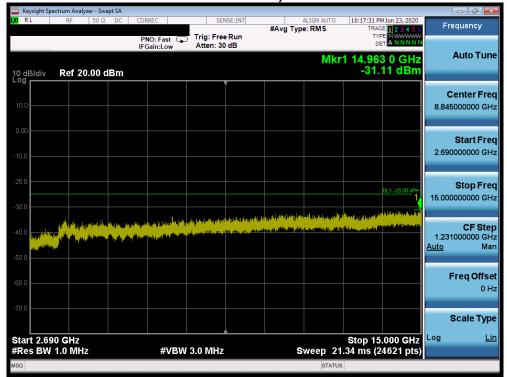
FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Domo 204 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 204 of 466
© 2020 PCTEST			V 9.0 02/01/2019



Band 41 PC2



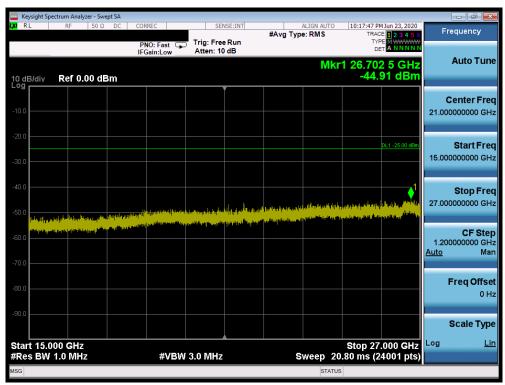
Plot 7-360. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



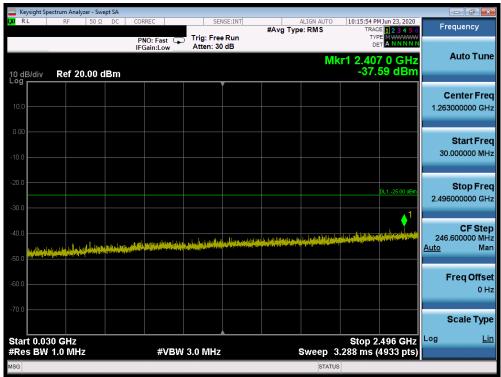
Plot 7-361. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dog 205 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 205 of 466
© 2020 PCTEST				V 9.0 02/01/2019





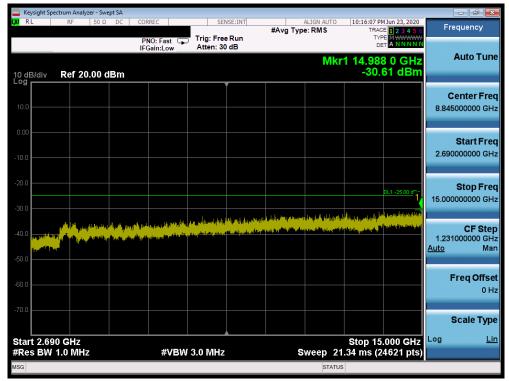
Plot 7-362. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



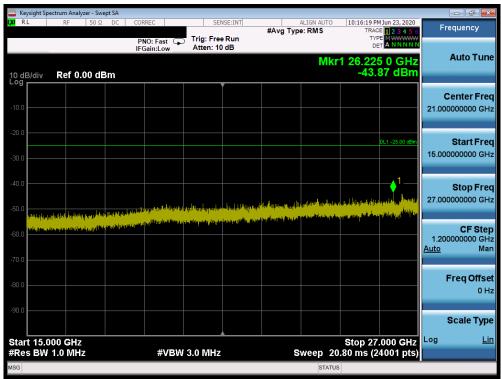
Plot 7-363. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 206 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	raye 200 01 400





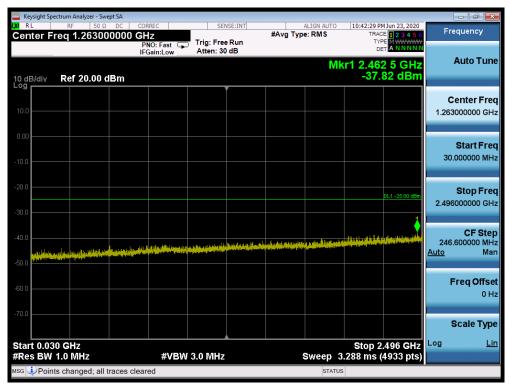
Plot 7-364. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



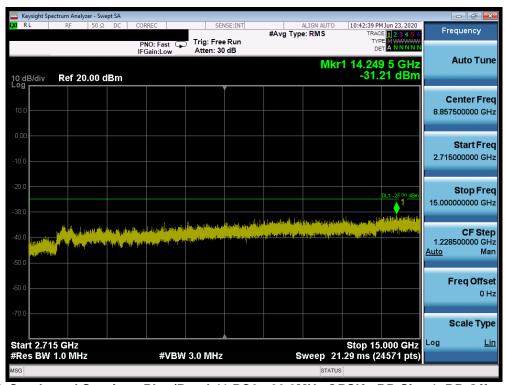
Plot 7-365. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 207 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 207 of 466
© 2020 PCTEST				V 9.0 02/01/2019





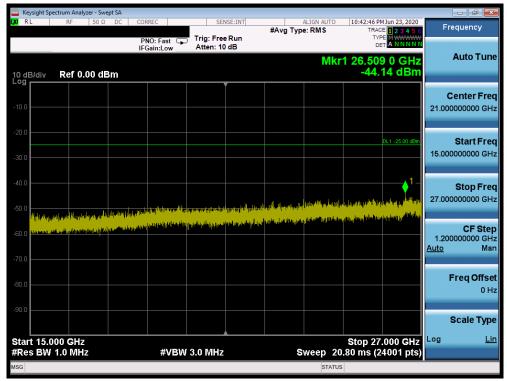
Plot 7-366. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 - High Channel)



Plot 7-367. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 – High Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 200 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 208 of 466
© 2020 PCTEST				V 9.0 02/01/2019



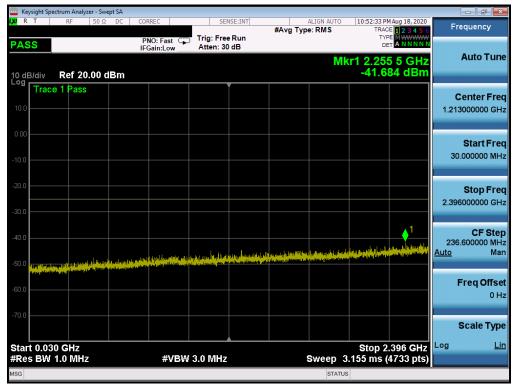


Plot 7-368. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 - High Channel)

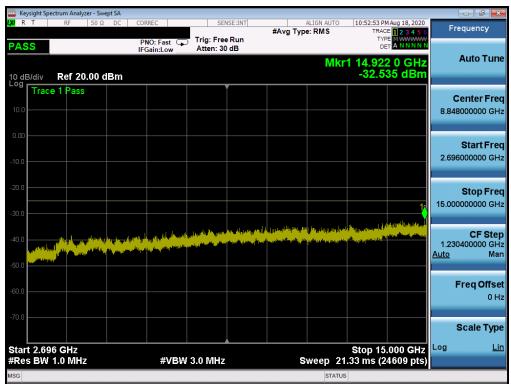
FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Down 200 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 209 of 466
© 2020 PCTEST			V 9.0 02/01/2019



NR Band n41



Plot 7-369. Conducted Spurious Plot (NR Band n41 -100.0MHz - RB Size 1, RB Offset 0 - Low Channel)

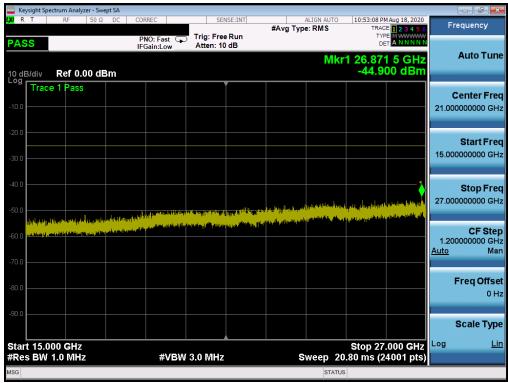


Plot 7-370. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Low Channel)

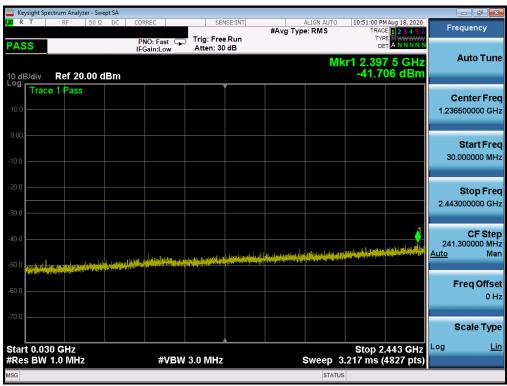
FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 210 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 210 01 400

© 2020 PCTEST V 9.0 02/01/2019





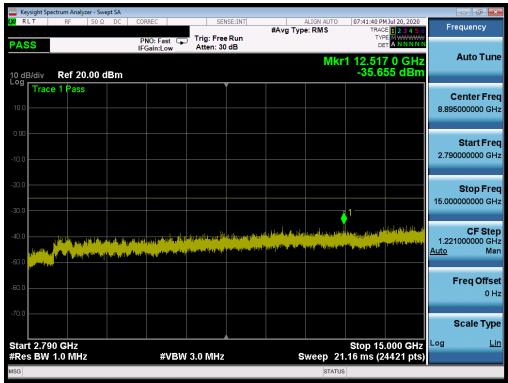
Plot 7-371. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Low Channel)



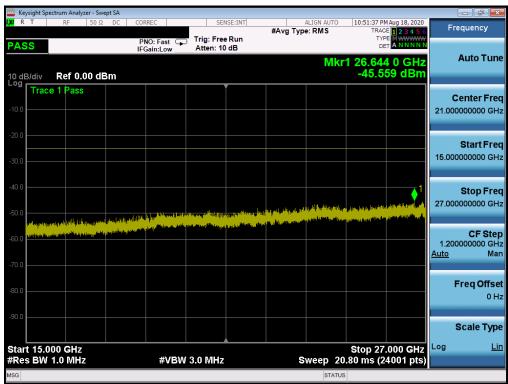
Plot 7-372. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 244 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 211 of 466
© 2020 PCTEST				V 9.0 02/01/2019





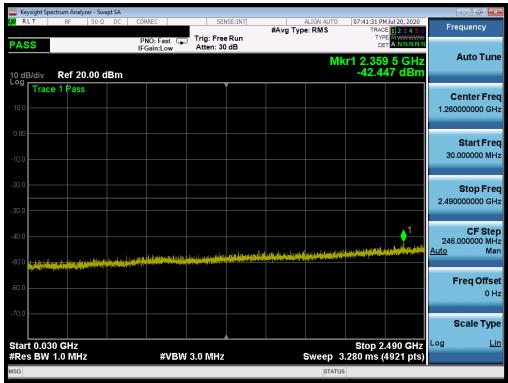
Plot 7-373. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Mid Channel)



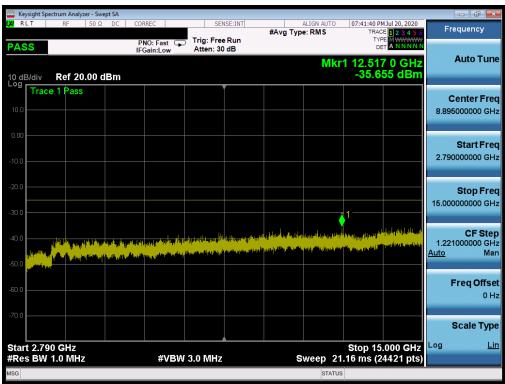
Plot 7-374. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 242 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 212 of 466
© 2020 PCTEST				V 9.0 02/01/2019





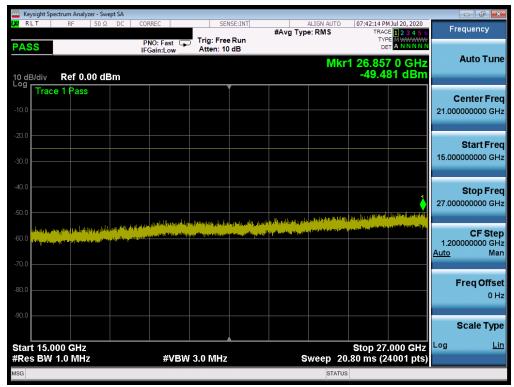
Plot 7-375. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - High Channel)



Plot 7-376. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF916U	PCTEST'	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 242 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 213 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-377. Conducted Spurious Plot (NR Band n41 - 100.0MHz - RB Size 1, RB Offset 0 - High Channel)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 24.4 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 214 of 466
© 2020 PCTEST			V 9.0 02/01/2019



7.4 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 its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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

Test Procedure Used

KDB 971168 D01 v03r01 - Section 6.0

Test Settings

- 1. Start 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 > 1% of the emission bandwidth
- 4. $VBW > 3 \times RBW$
- 5. Detector = RMS
- 6. Number of sweep points ≥ 2 x Span/RBW
- 7. Trace mode = trace average

assembly of contents thereof, please contact INFO@PCTEST.COM

- 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 7-3. Test Instrument & Measurement Setup

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 215 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Fage 215 01 400



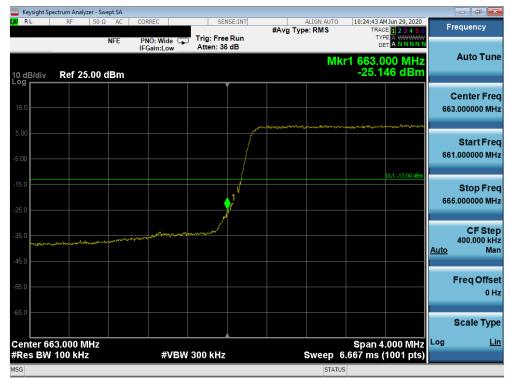
Test Notes

Per 22.917(b) 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.

FCC ID: A3LSMF916U	PCTEST"	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 216 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 216 of 466



Band 71



Plot 7-378. Lower Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)

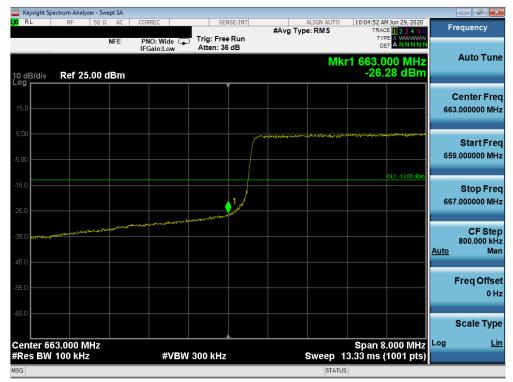


Plot 7-379. Upper Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)

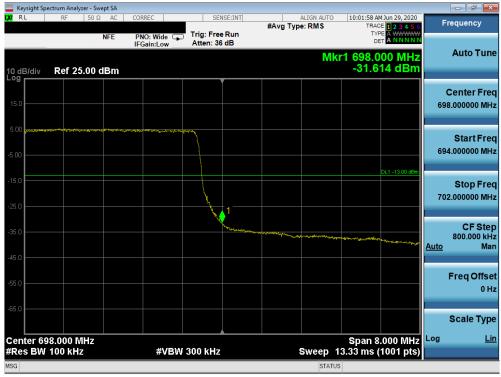
FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 217 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 217 of 466

© 2020 PCTEST V 9.0 02/01/2019





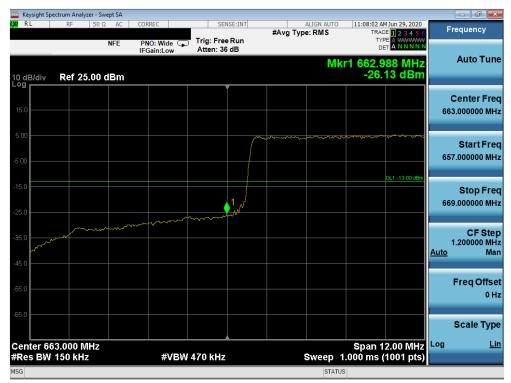
Plot 7-380. Lower Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-381. Upper Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 218 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	raye 210 01 400





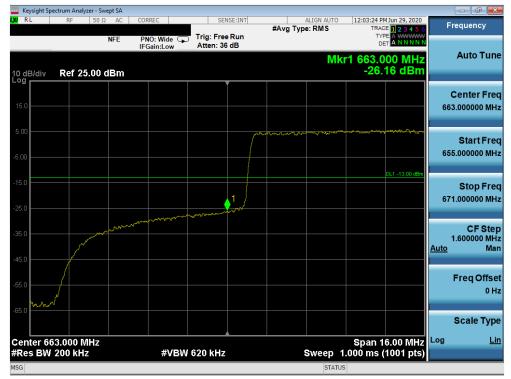
Plot 7-382. Lower Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)



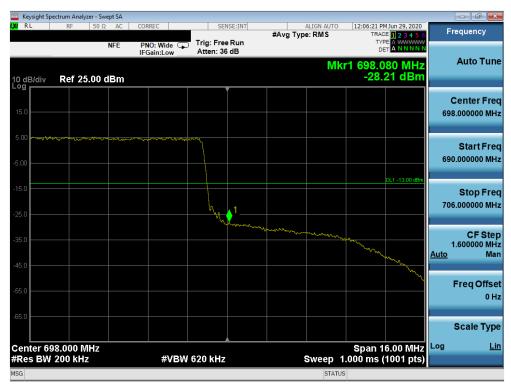
Plot 7-383. Upper Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 240 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 219 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-384. Lower Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-385. Upper Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 220 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 220 of 466
© 2020 PCTEST				V 9.0 02/01/2019



NR Band n71



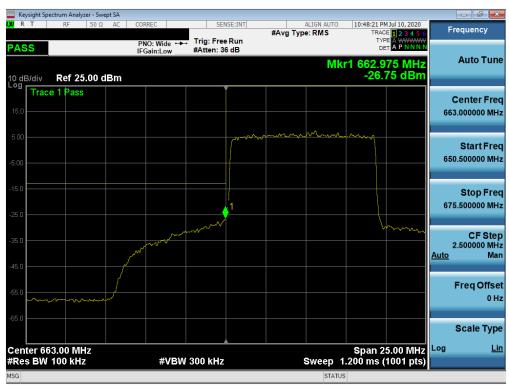
Plot 7-386. Lower Band Edge Plot (NR Band n71 - 5.0MHz - Full RB)



Plot 7-387. Upper Band Edge Plot (NR Band n71 - 5.0MHz - Full RB)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 224 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 221 of 466
© 2020 PCTEST				V 9.0 02/01/2019





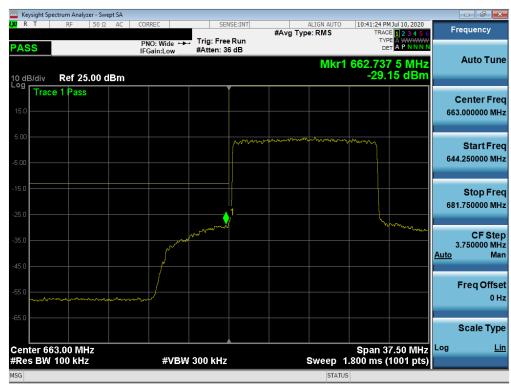
Plot 7-388. Lower Band Edge Plot (NR Band n71 - 10.0MHz - Full RB)



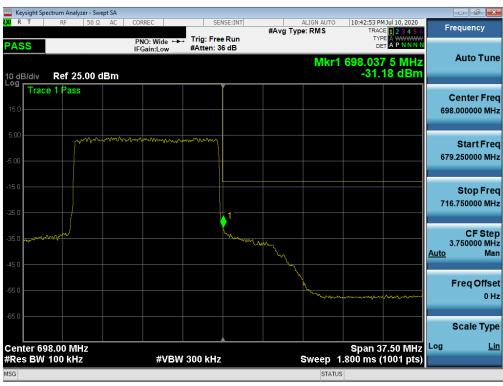
Plot 7-389. Upper Band Edge Plot (NR Band n71 - 10.0MHz - Full RB)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 222 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 222 of 466
© 2020 PCTEST				V 9.0 02/01/2019





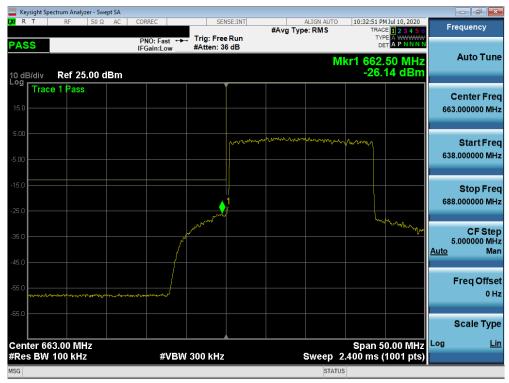
Plot 7-390. Lower Band Edge Plot (NR Band n71 - 15.0MHz - Full RB)



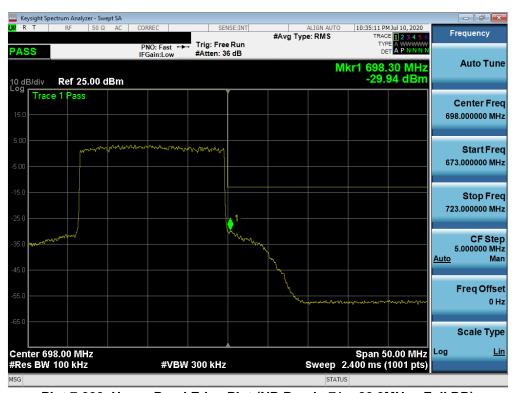
Plot 7-391. Upper Band Edge Plot (NR Band n71 - 15.0MHz - Full RB)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 222 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 223 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-392. Lower Band Edge Plot (NR Band n71 - 20.0MHz - Full RB)

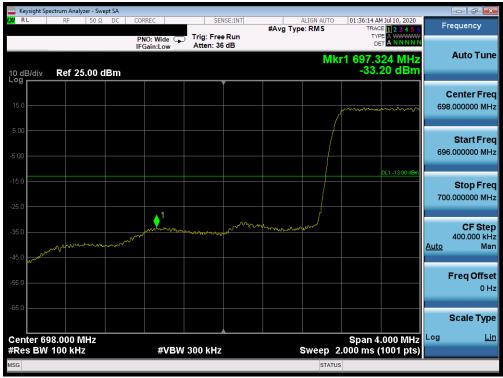


Plot 7-393. Upper Band Edge Plot (NR Band n71 - 20.0MHz - Full RB)

Band 12

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 224 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 224 of 466





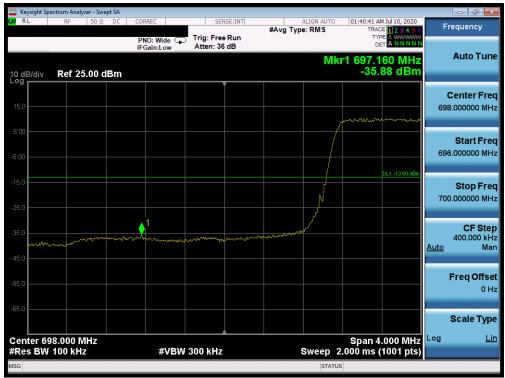
Plot 7-394. Lower Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-395. Upper Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 225 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 225 of 466
© 2020 PCTEST				V 9.0 02/01/2019





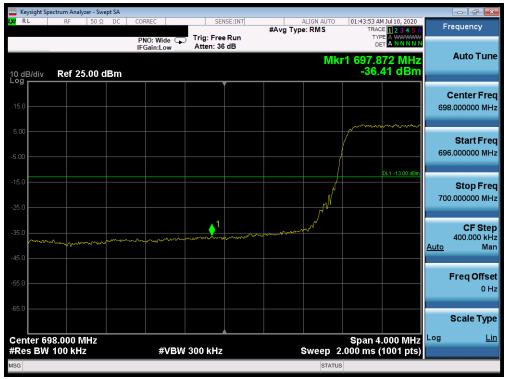
Plot 7-396. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-397. Upper Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 220 of 400
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 226 of 466
© 2020 PCTEST				V 9.0 02/01/2019





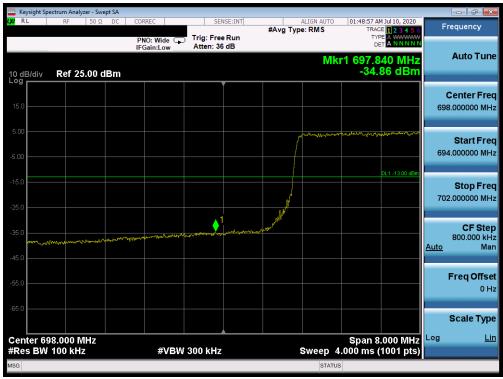
Plot 7-398. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-399. Upper Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 227 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 227 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-400. Lower Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)

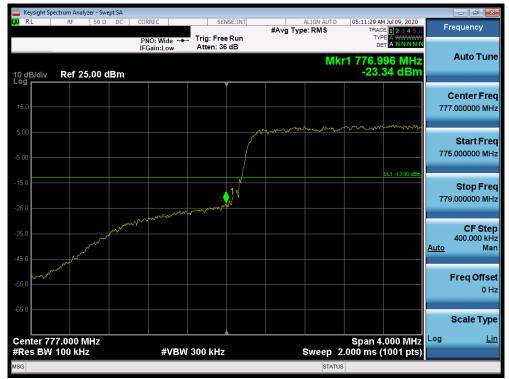


Plot 7-401. Upper Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST TO STAND FOR ALL STANDS	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 220 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 228 of 466
© 2020 PCTEST				V 9.0 02/01/2019



Band 13



Plot 7-402. Lower Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

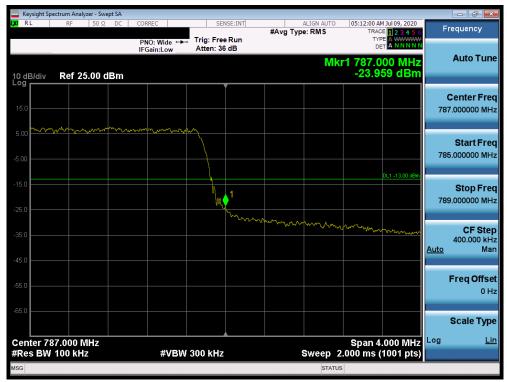


Plot 7-403. Lower Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 229 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 229 01 400

© 2020 PCTEST V 9.0 02/01/2019





Plot 7-404. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)



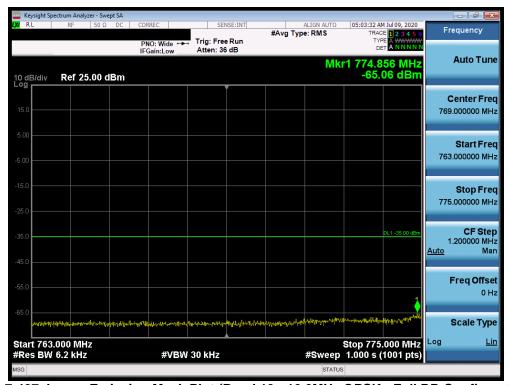
Plot 7-405. Upper Emission Mask Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 220 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 230 of 466
© 2020 PCTEST				V 9.0 02/01/2019





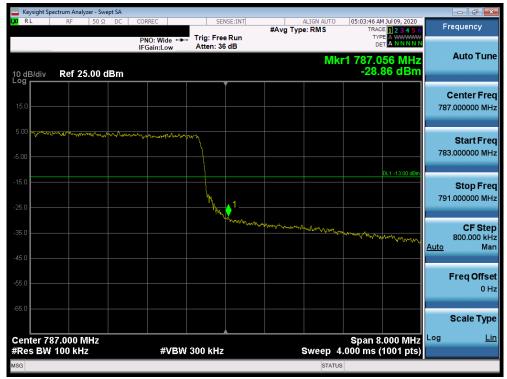
Plot 7-406. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-407. Lower Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 224 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 231 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-408. Upper Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

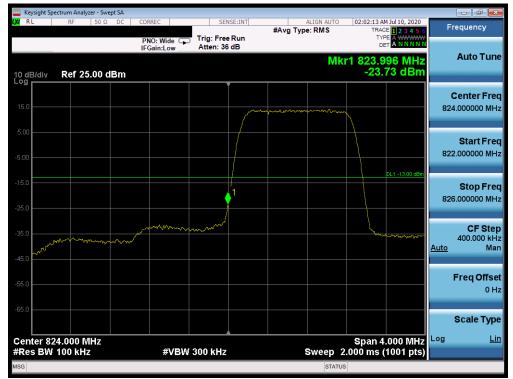


Plot 7-409. Upper Emission Mask Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 222 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 232 of 466
© 2020 PCTEST				V 9.0 02/01/2019



Band 26/5



Plot 7-410. Lower Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)



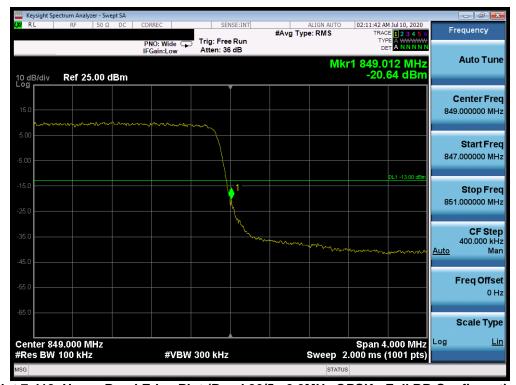
Plot 7-411. Upper Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Done 222 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 233 of 466
© 2020 PCTEST				V 9.0 02/01/2019





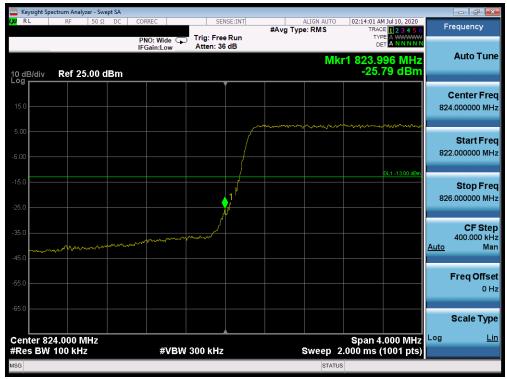
Plot 7-412. Lower Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-413. Upper Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 224 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 234 of 466
© 2020 PCTEST	<u> </u>			V 9.0 02/01/2019





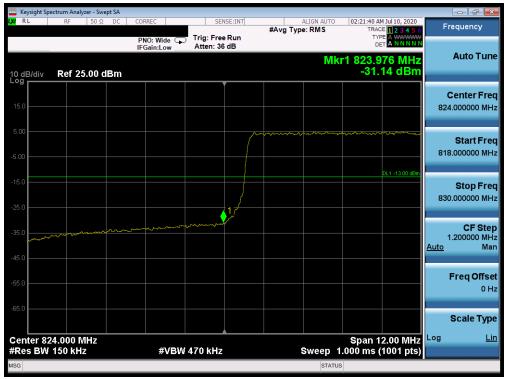
Plot 7-414. Lower Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-415. Upper Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 225 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 235 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-416. Lower Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-417. Upper Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 220 of 400
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 236 of 466
© 2020 PCTEST				V 9.0 02/01/2019



NR Band n5



Plot 7-418. Lower Band Edge Plot (NR Band n5 - 5.0MHz - Full RB)



Plot 7-419. Upper Band Edge Plot (NR Band n5 - 5.0MHz - Full RB)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 227 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 237 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-420. Lower Band Edge Plot (NR Band n5 - 10.0MHz - Full RB)



Plot 7-421. Upper Band Edge Plot (NR Band n5 - 10.0MHz - Full RB)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 220 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 238 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-422. Lower Band Edge Plot (NR Band n5 – 15.0MHz - Full RB)



Plot 7-423. Upper Band Edge Plot (NR Band n5 - 15.0MHz - Full RB)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 220 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 239 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-424. Lower Band Edge Plot (NR Band n5 – 20.0MHz - Full RB)

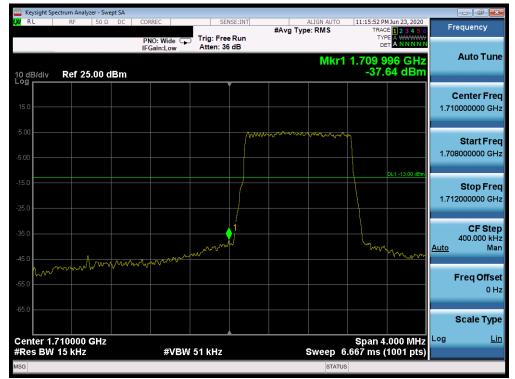


Plot 7-425. Upper Band Edge Plot (NR Band n5 – 20.0MHz - Full RB)

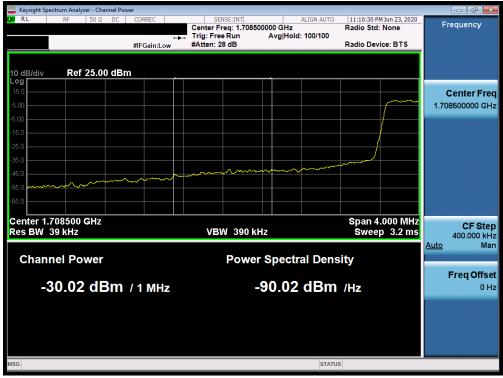
FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 240 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 240 of 466
© 2020 PCTEST				V 9.0 02/01/2019



Band 66/4



Plot 7-426. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)



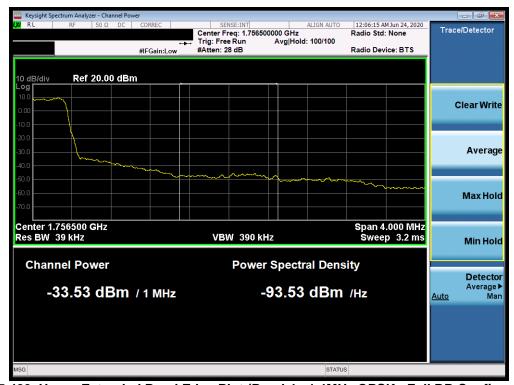
Plot 7-427. Lower Extended Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dog 244 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset	Page 241 of 466
© 2020 PCTEST			V 9.0 02/01/2019





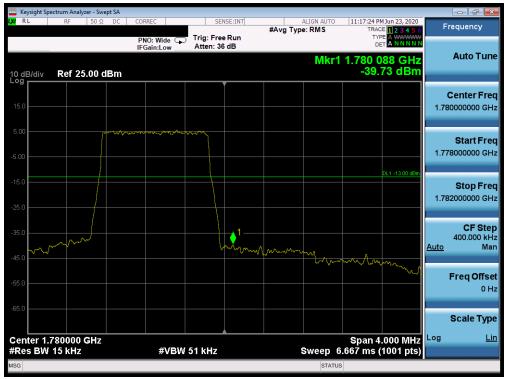
Plot 7-428. Upper Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)



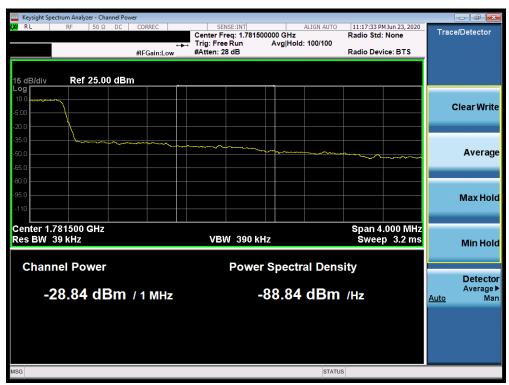
Plot 7-429. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 242 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 242 of 466
© 2020 PCTEST				V 9.0 02/01/2019





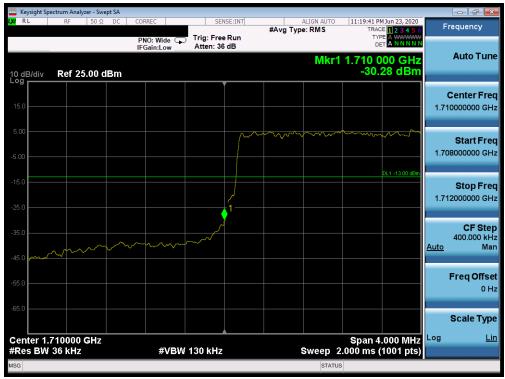
Plot 7-430. Upper Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)



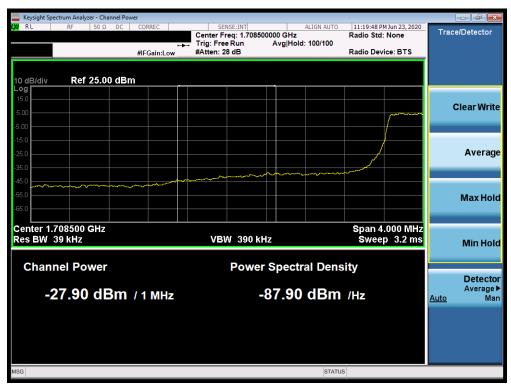
Plot 7-431. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Domo 242 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 243 of 466
© 2020 PCTEST				V 9.0 02/01/2019





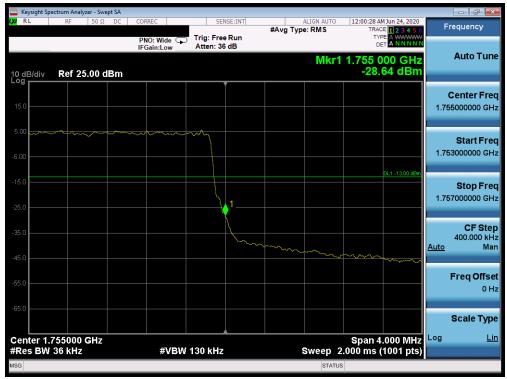
Plot 7-432. Lower Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)



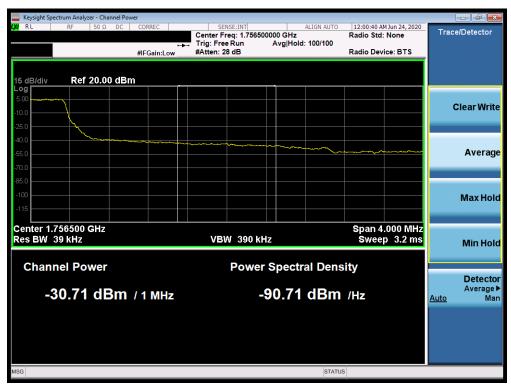
Plot 7-433. Lower Extended Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Domo 244 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 244 of 466
© 2020 PCTEST				V 9.0 02/01/2019





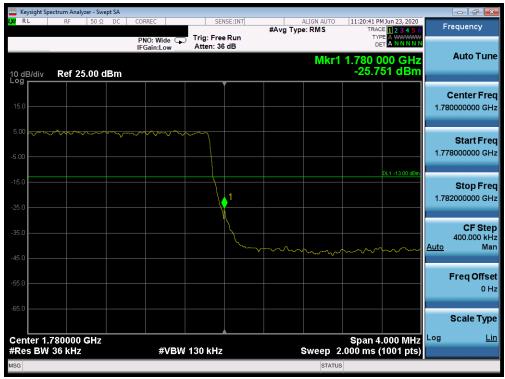
Plot 7-434. Upper Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)



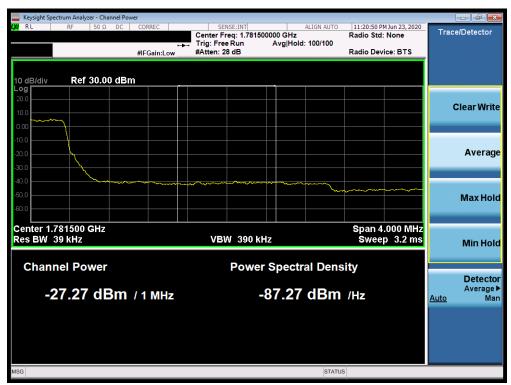
Plot 7-435. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 245 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 245 of 466
© 2020 PCTEST				V 9.0 02/01/2019





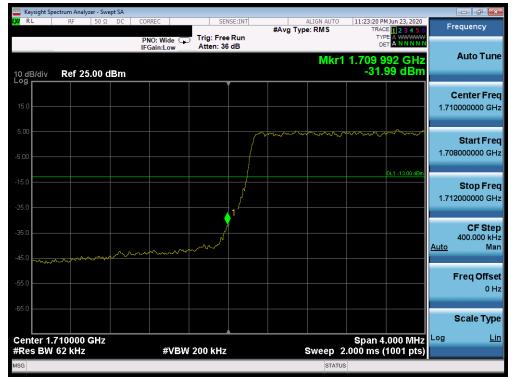
Plot 7-436. Upper Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)



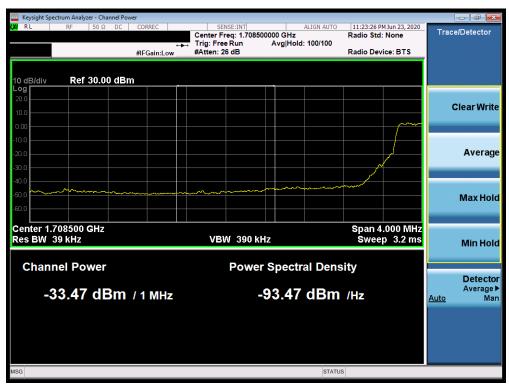
Plot 7-437. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 246 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 246 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-438. Lower Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)



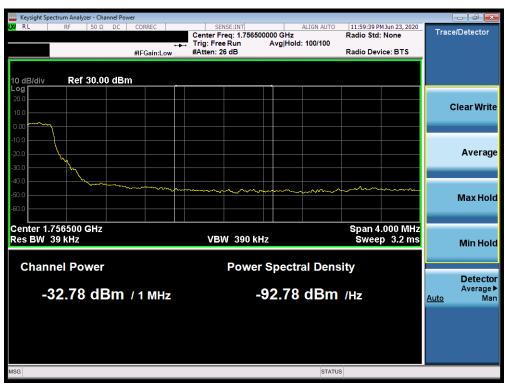
Plot 7-439. Lower Extended Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 247 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 247 of 466
© 2020 PCTEST				V 9.0 02/01/2019





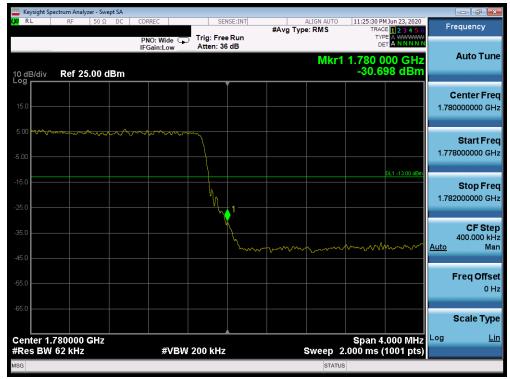
Plot 7-440. Upper Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-441. Upper Extended Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 240 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 248 of 466
© 2020 PCTEST				V 9.0 02/01/2019





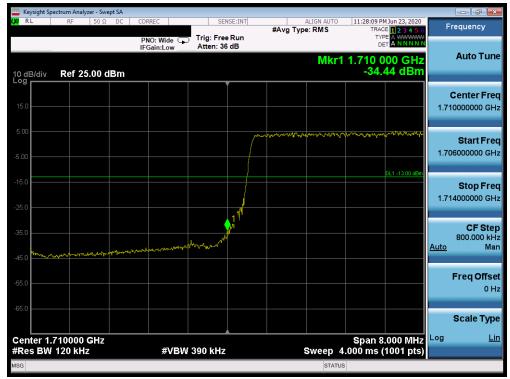
Plot 7-442. Upper Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)



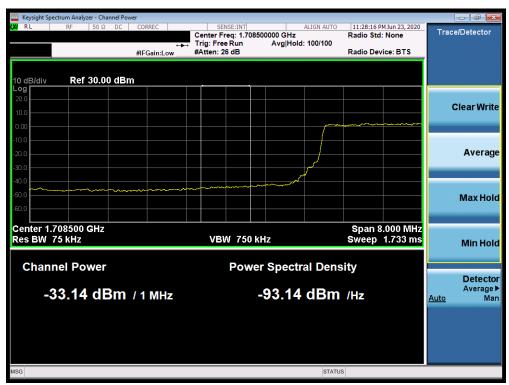
Plot 7-443. Upper Extended Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dags 240 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		Page 249 of 466
© 2020 PCTEST				V 9.0 02/01/2019





Plot 7-444. Lower Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-445. Lower Extended Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF916U	PCTEST TO STAND FOR ALL STANDS	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 250 of 466
1M2005200087-03.A3L	6/11 - 8/19/2020	Portable Handset		
© 2020 PCTEST				V 9.0 02/01/2019