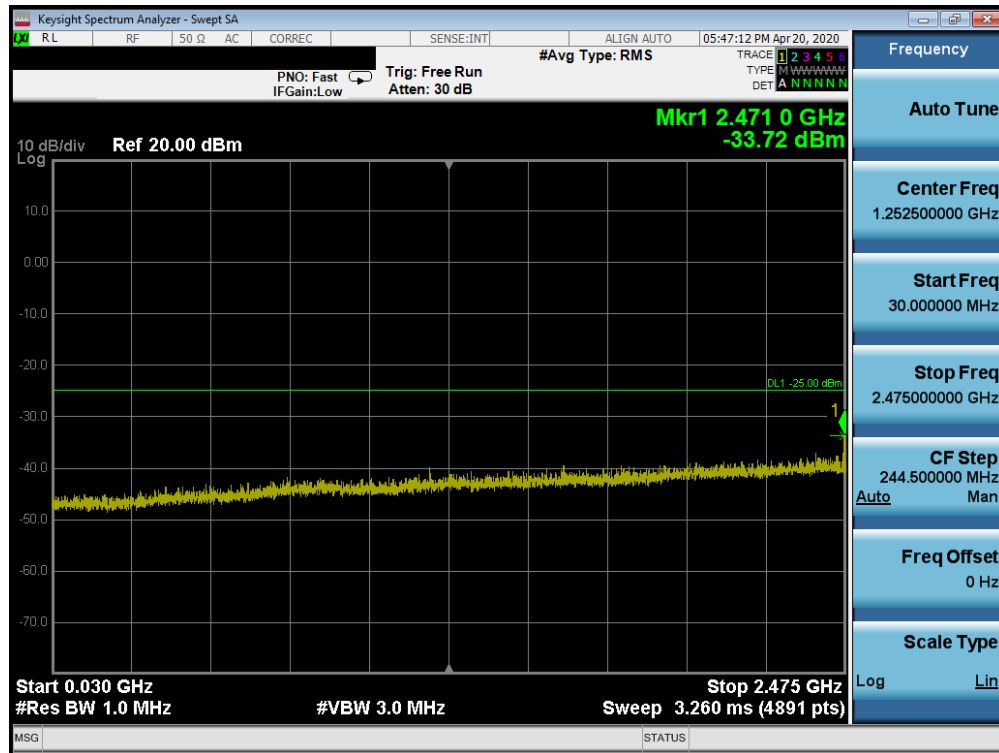
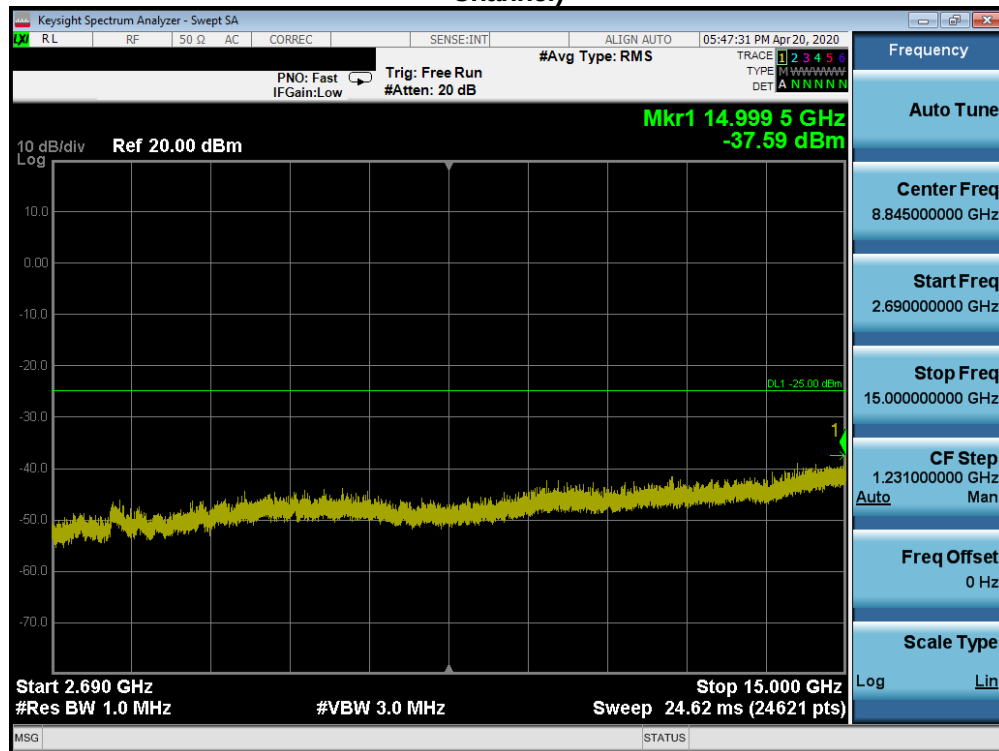


Band 41 PC2

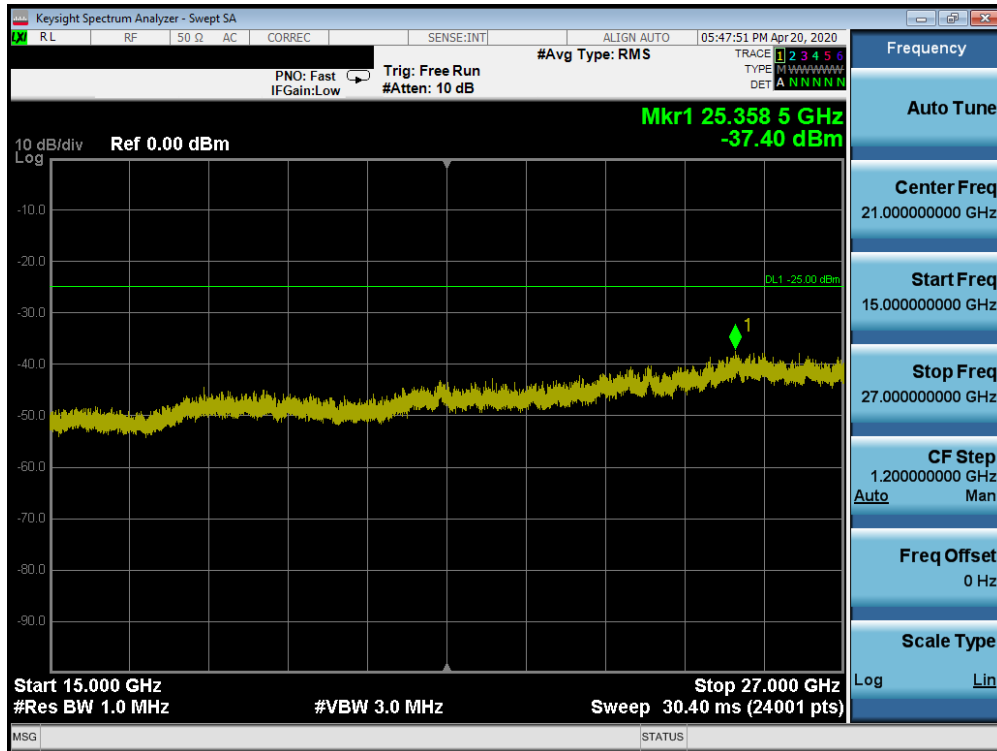


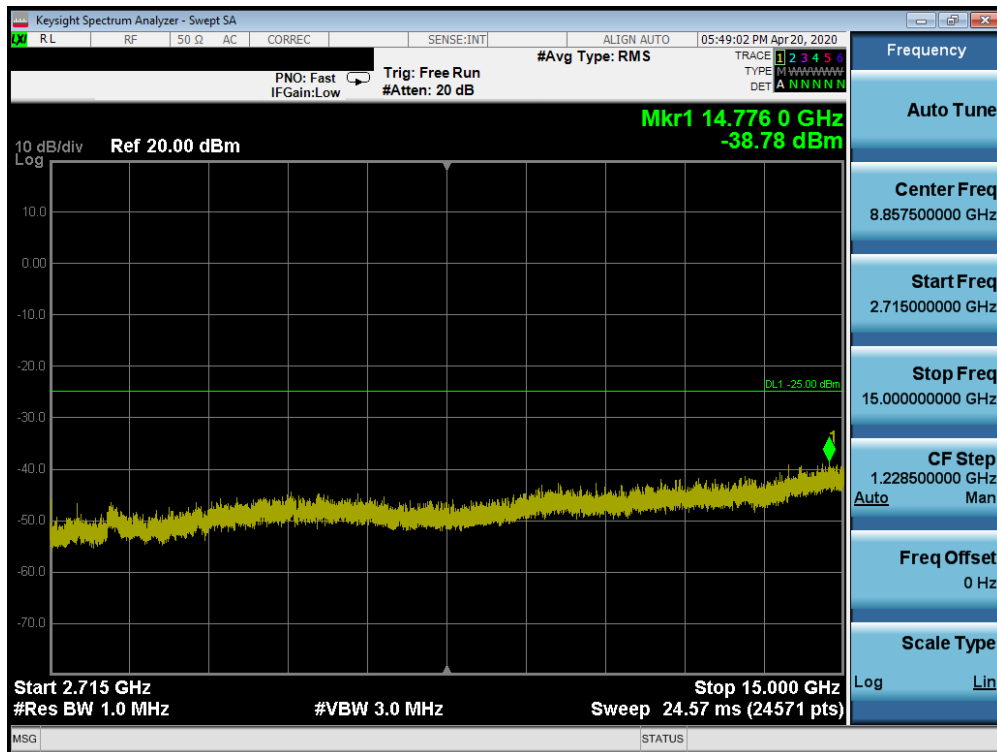
Plot 7-384. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

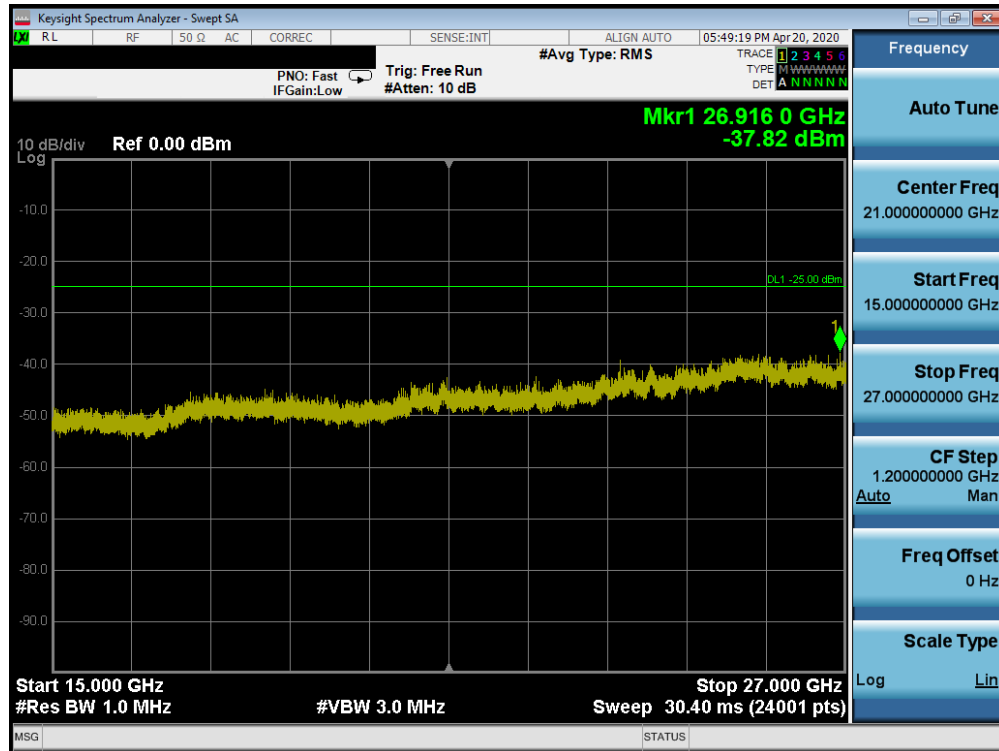


Plot 7-385. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 219 of 494



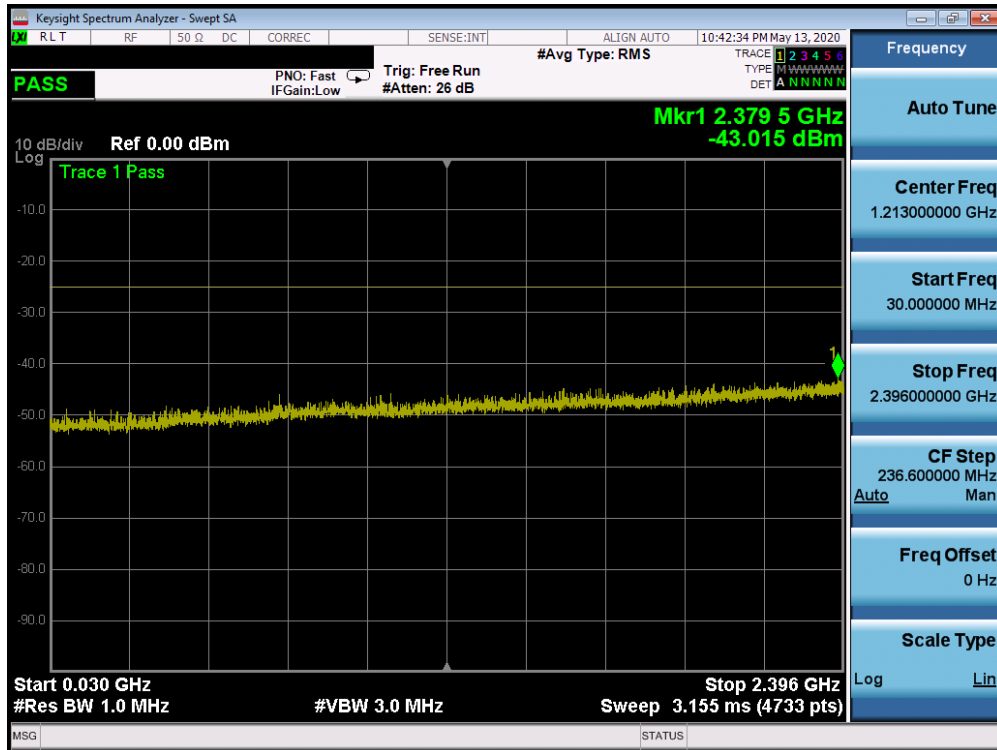




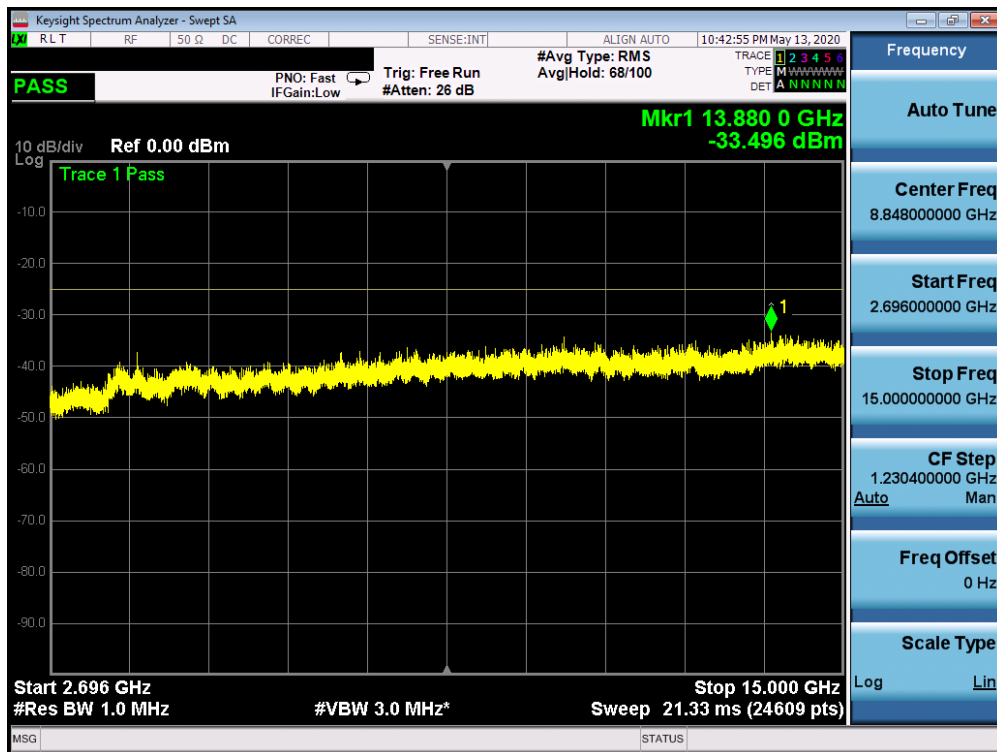
Plot 7-392. Conducted Spurious Plot (Band 41 PC2 - 20.0MHz QPSK - RB Size 1, RB Offset 99 - High Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 223 of 494

NR Band n41

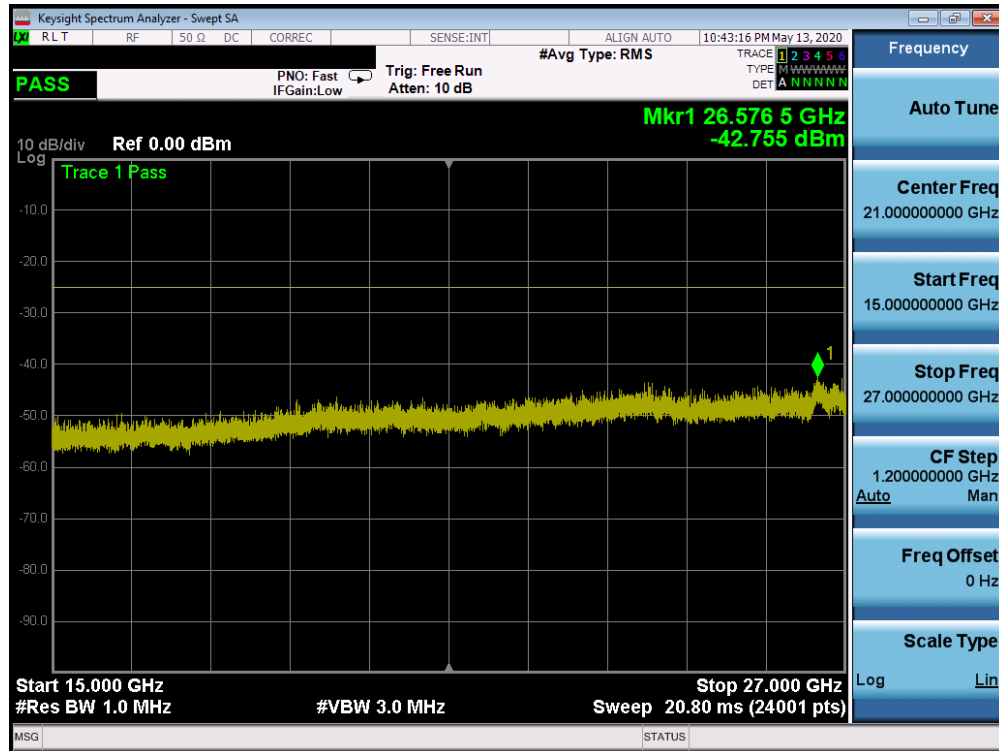


Plot 7-393. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

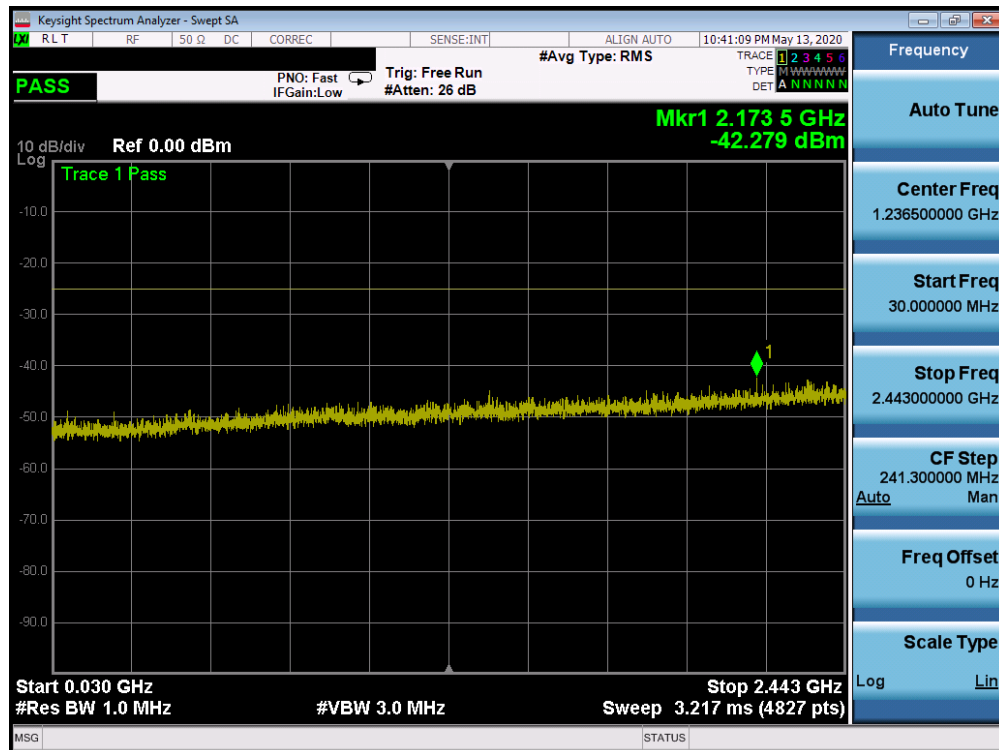


Plot 7-394. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 224 of 494

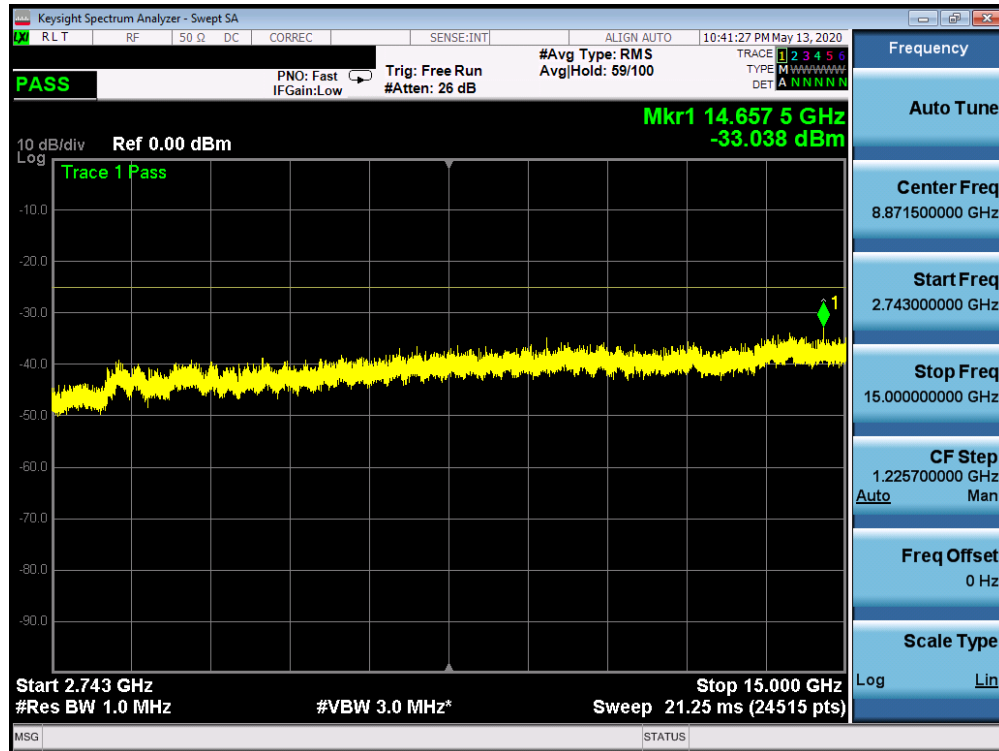


Plot 7-395. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

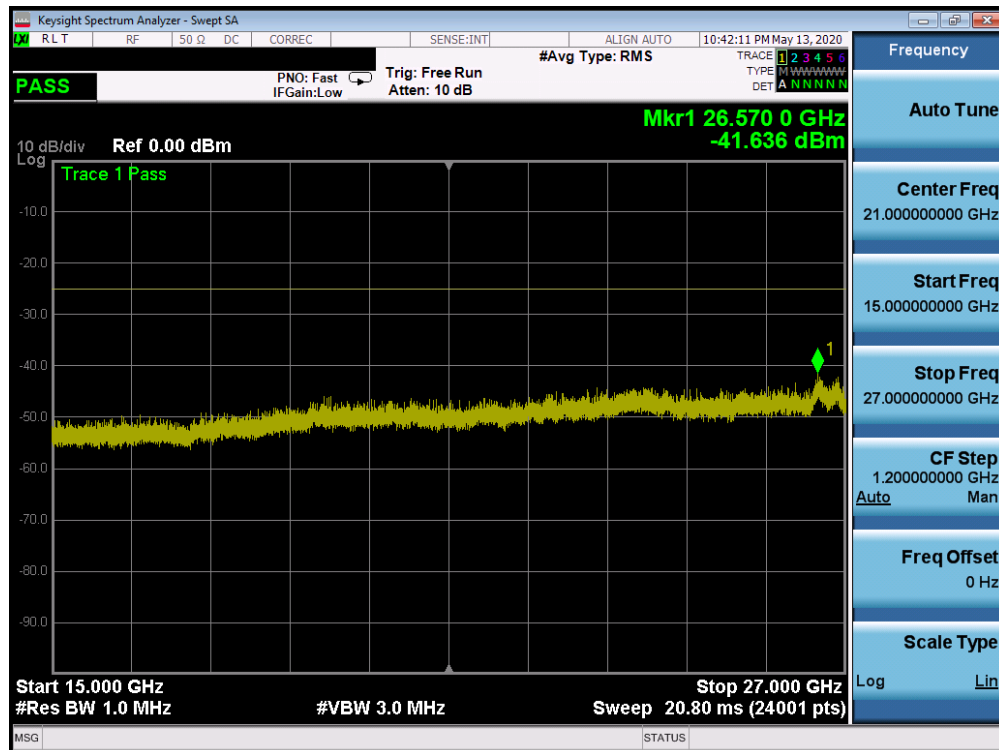


Plot 7-396. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 225 of 494

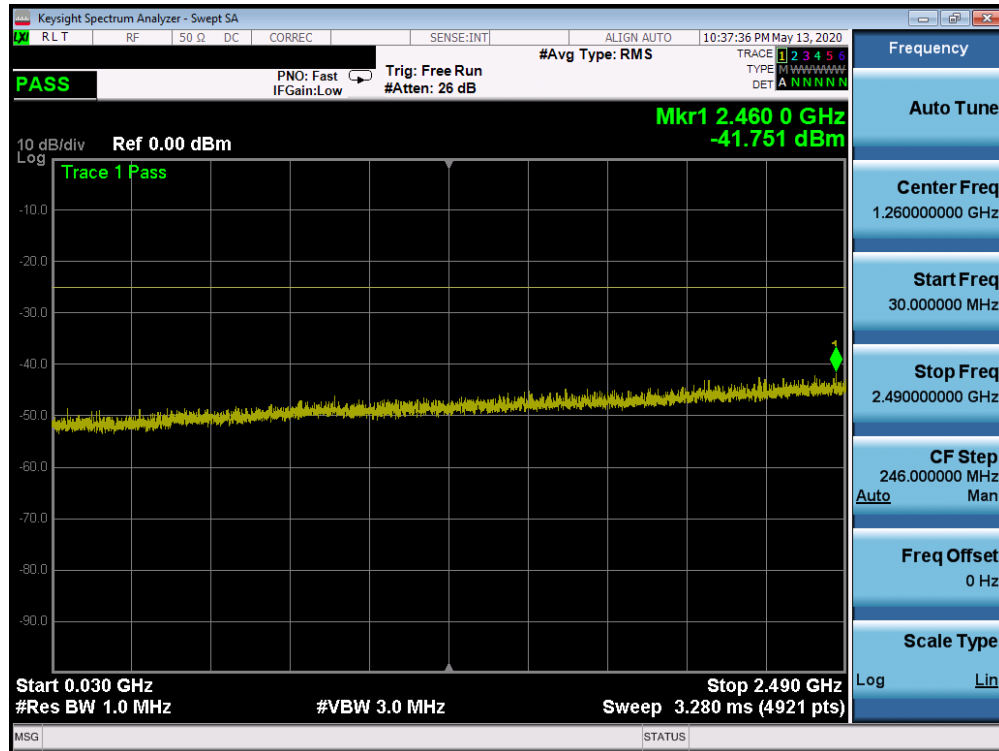


Plot 7-397. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

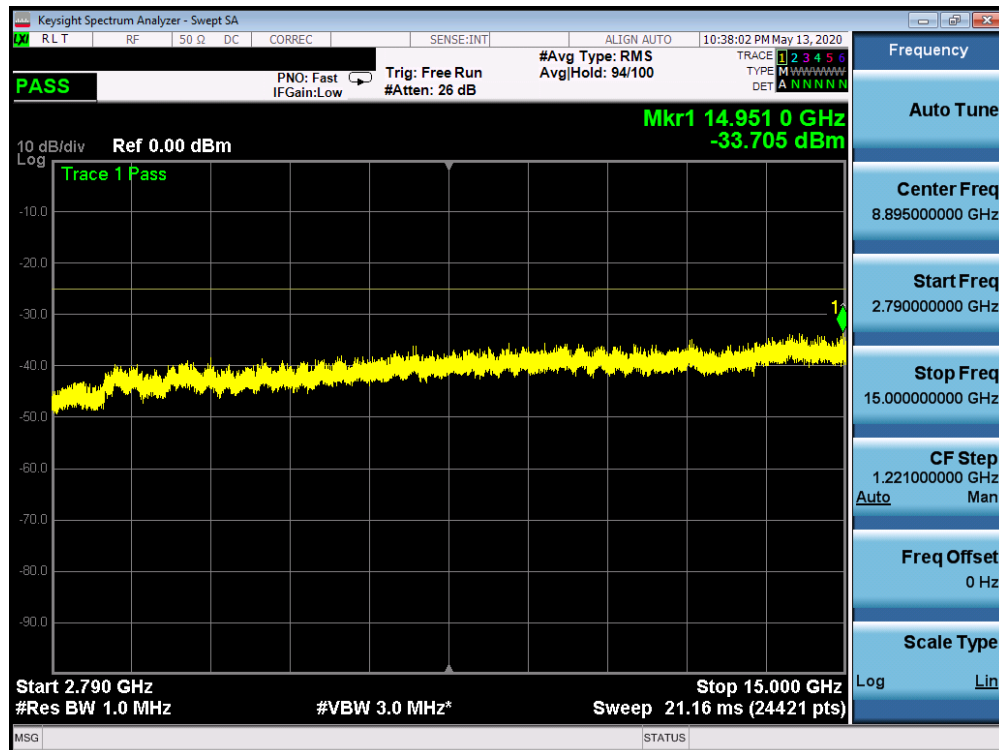


Plot 7-398. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 226 of 494

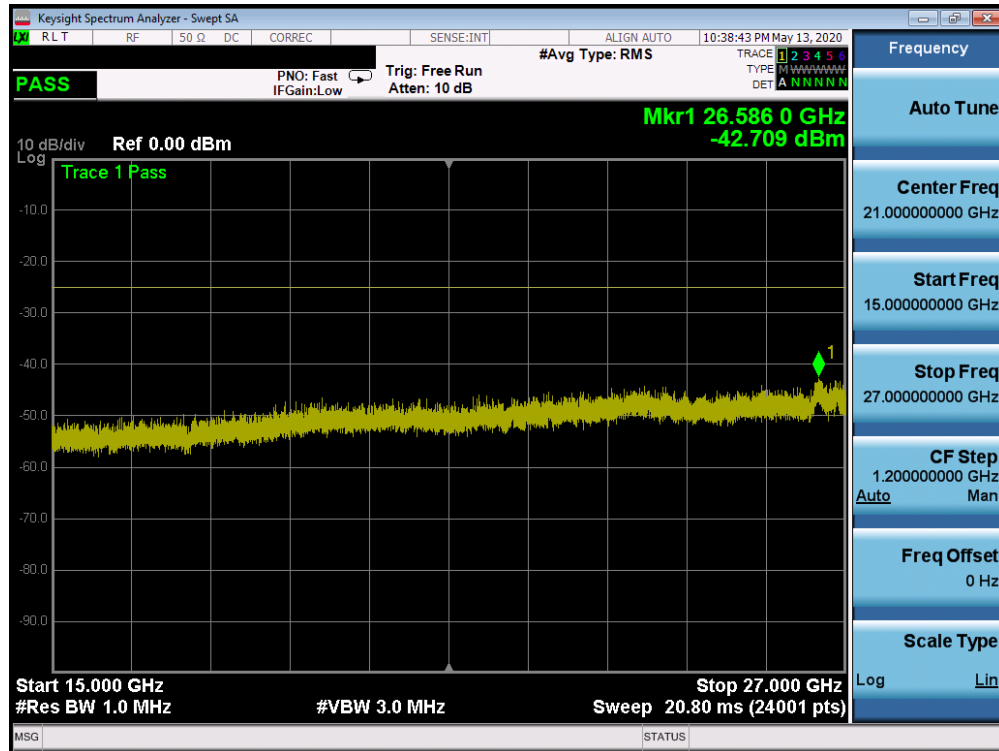


Plot 7-399. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



Plot 7-400. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 227 of 494



Plot 7-401. Conducted Spurious Plot (n41 - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 228 of 494

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

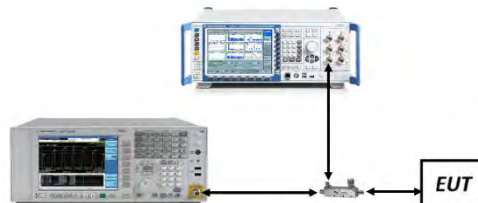


Figure 7-3. Test Instrument & Measurement Setup

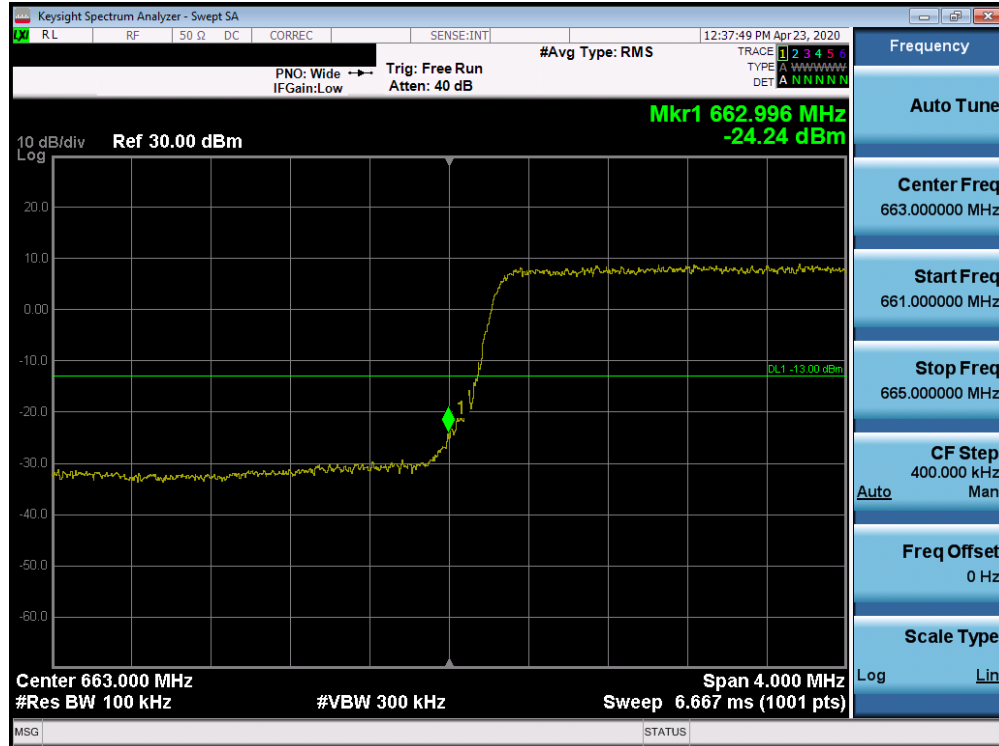
FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 229 of 494

Test Notes

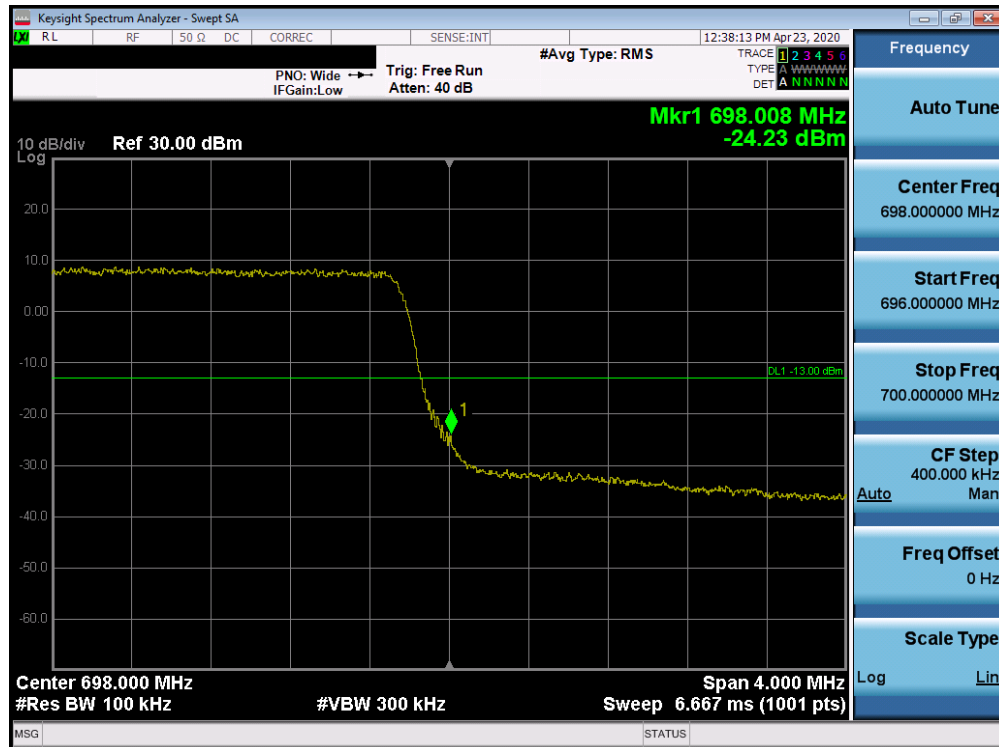
Per 22.917(b) in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission 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: A3LSMN986U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 230 of 494

Band 71

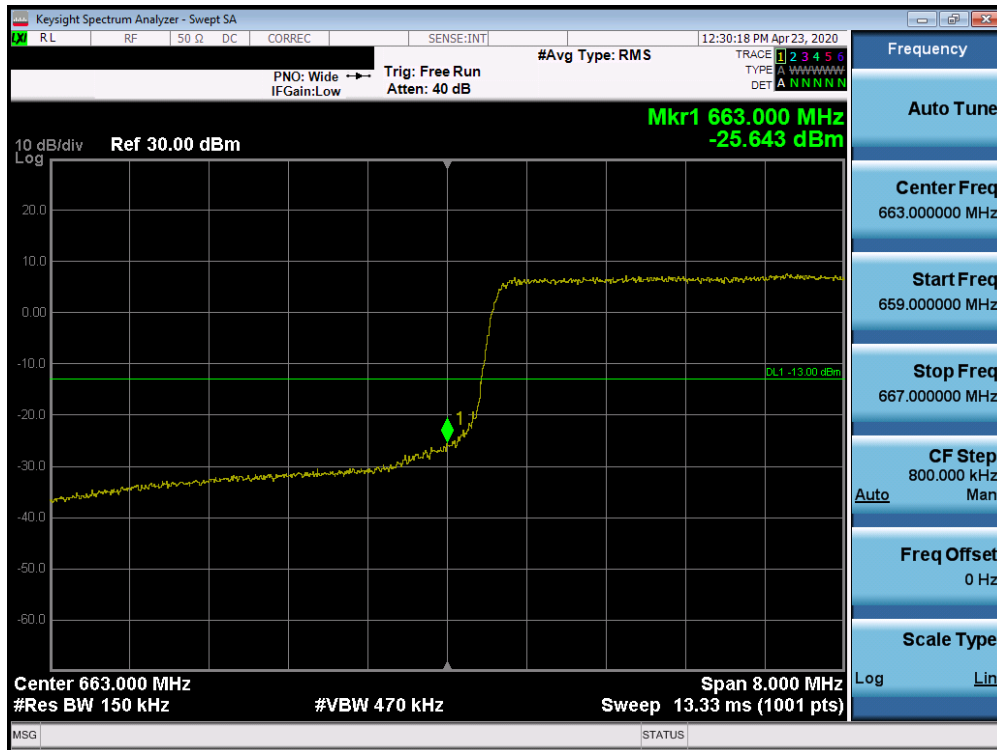


Plot 7-402. Lower Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-403. Upper Band Edge Plot (Band 71 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 231 of 494

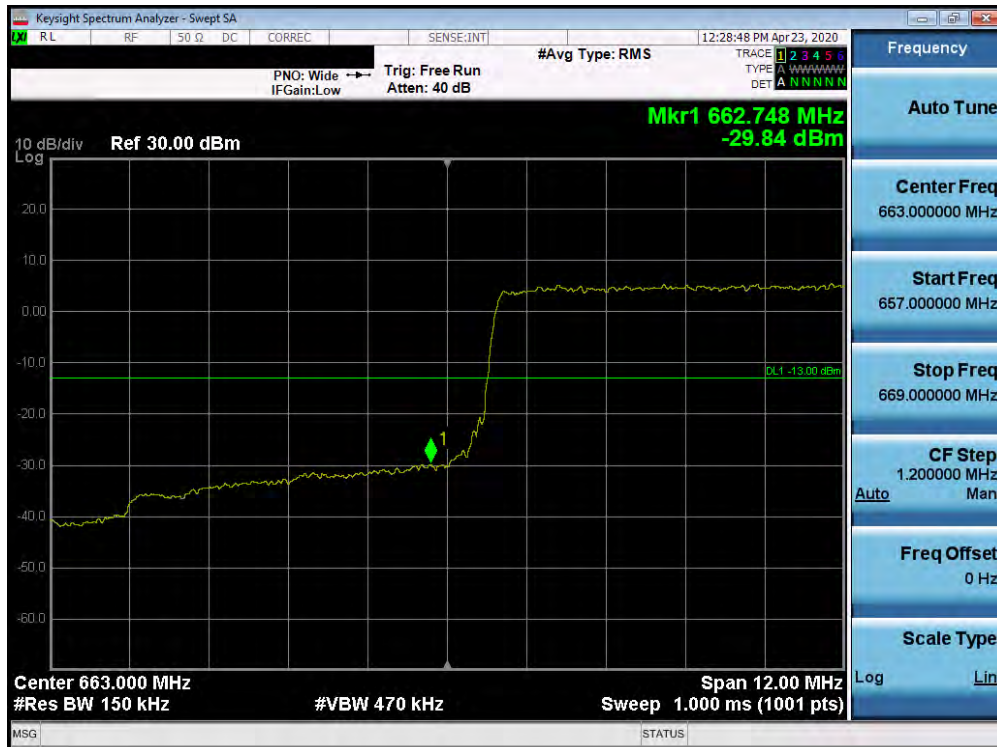


Plot 7-404. Lower Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-405. Upper Band Edge Plot (Band 71 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 232 of 494

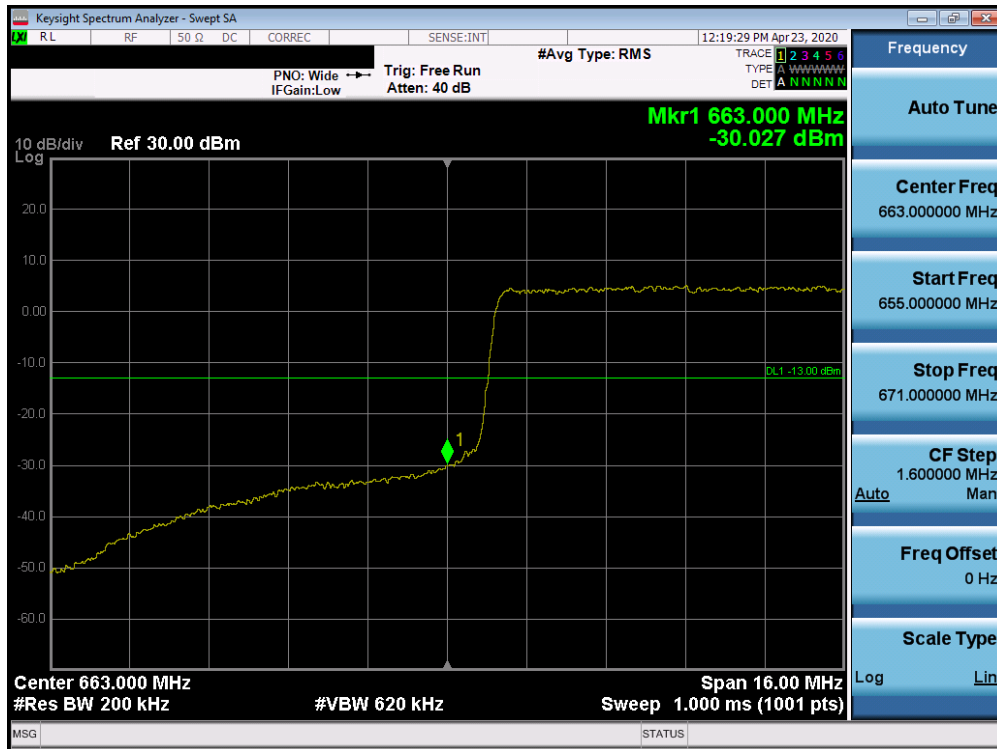


Plot 7-406. Lower Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)

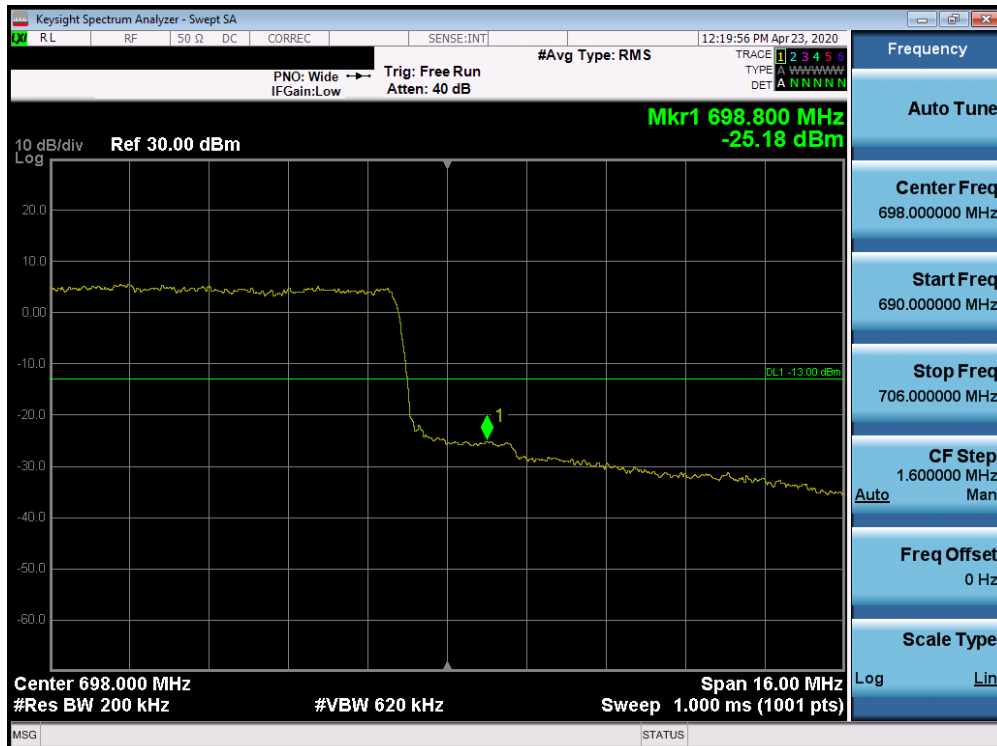


Plot 7-407. Upper Band Edge Plot (Band 71 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 233 of 494



Plot 7-408. Lower Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-409. Upper Band Edge Plot (Band 71 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 234 of 494

NR Band n71

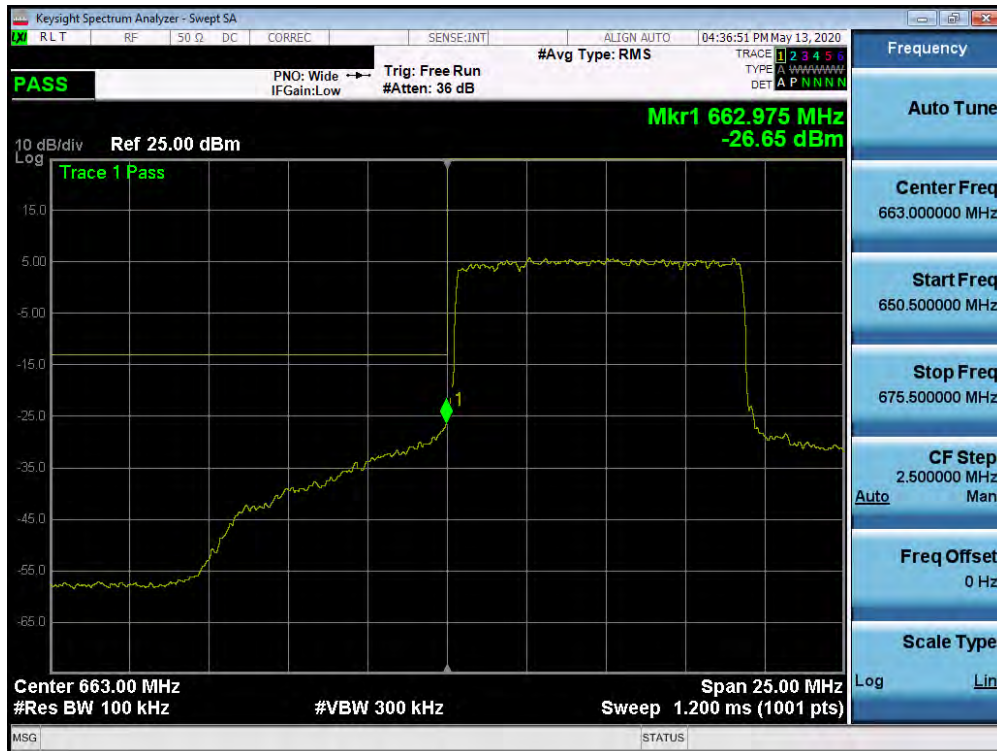


Plot 7-410. Lower Band Edge Plot (n71 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-411. Upper Band Edge Plot (n71 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 235 of 494

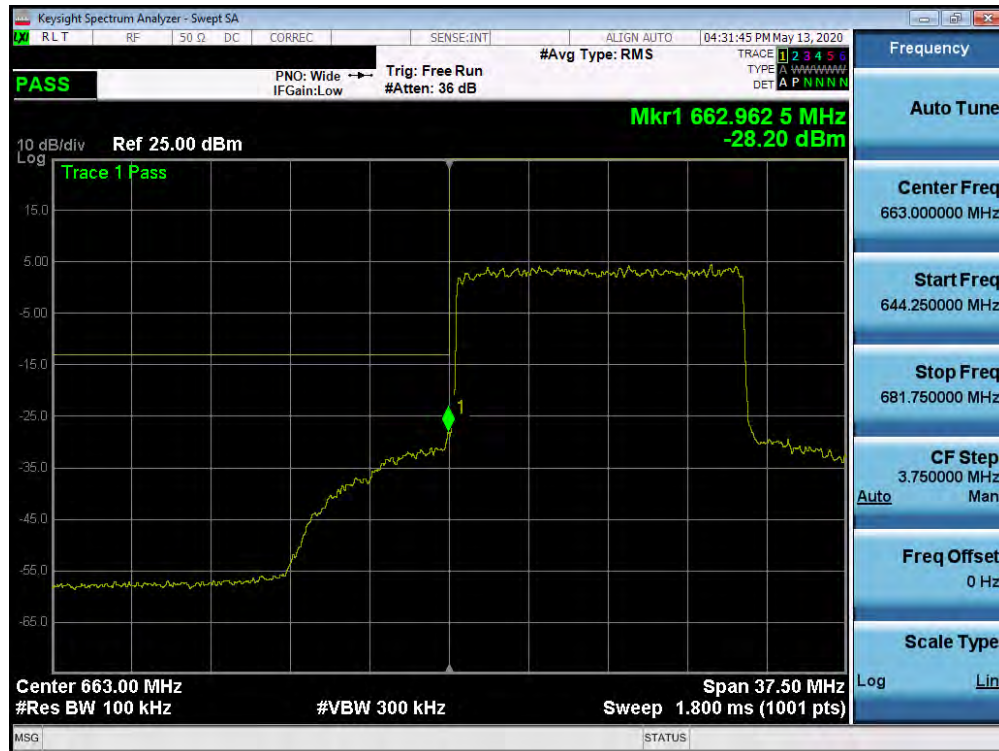


Plot 7-412. Lower Band Edge Plot (n71 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-413. Upper Band Edge Plot (n71 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 236 of 494

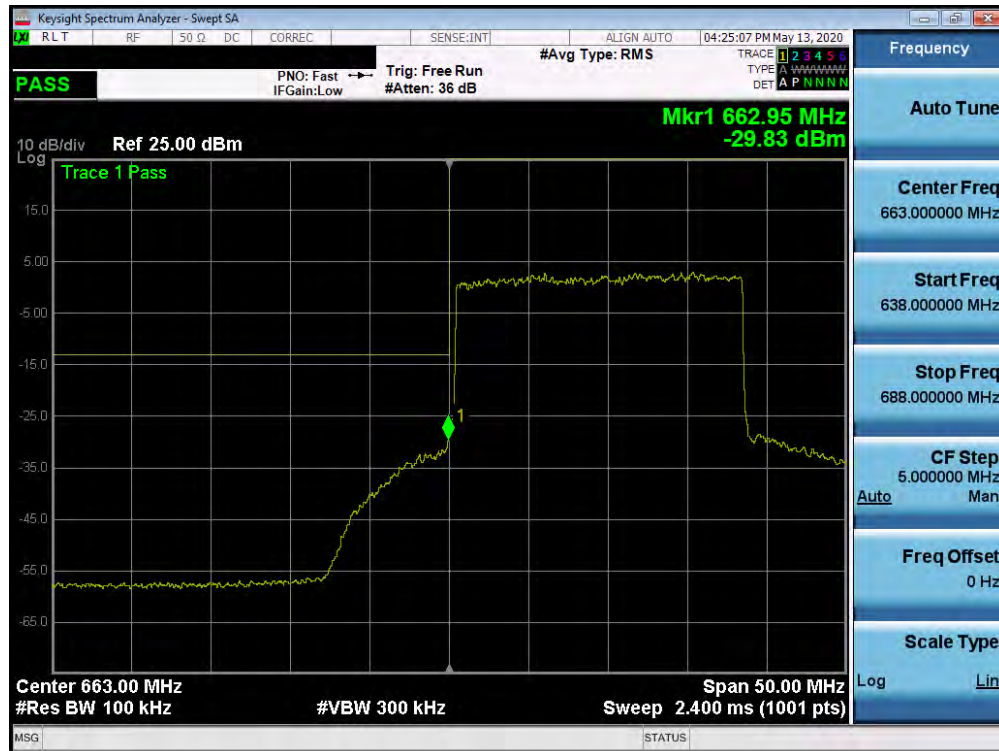


Plot 7-414. Lower Band Edge Plot (n71 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-415. Upper Band Edge Plot (n71 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 237 of 494



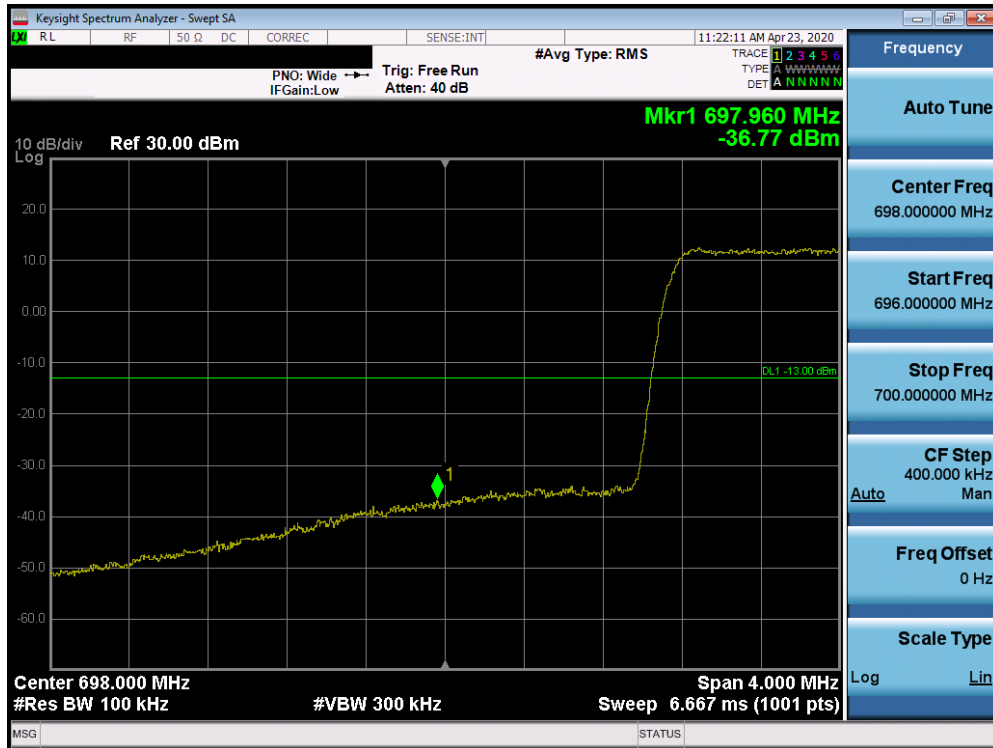
Plot 7-416. Lower Band Edge Plot (n71 - 20MHz DFT-s -OFDM-QPSK - Full RB Configuration)



Plot 7-417. Upper Band Edge Plot (n71- 20MHz DFT-s -OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 238 of 494

Band 12

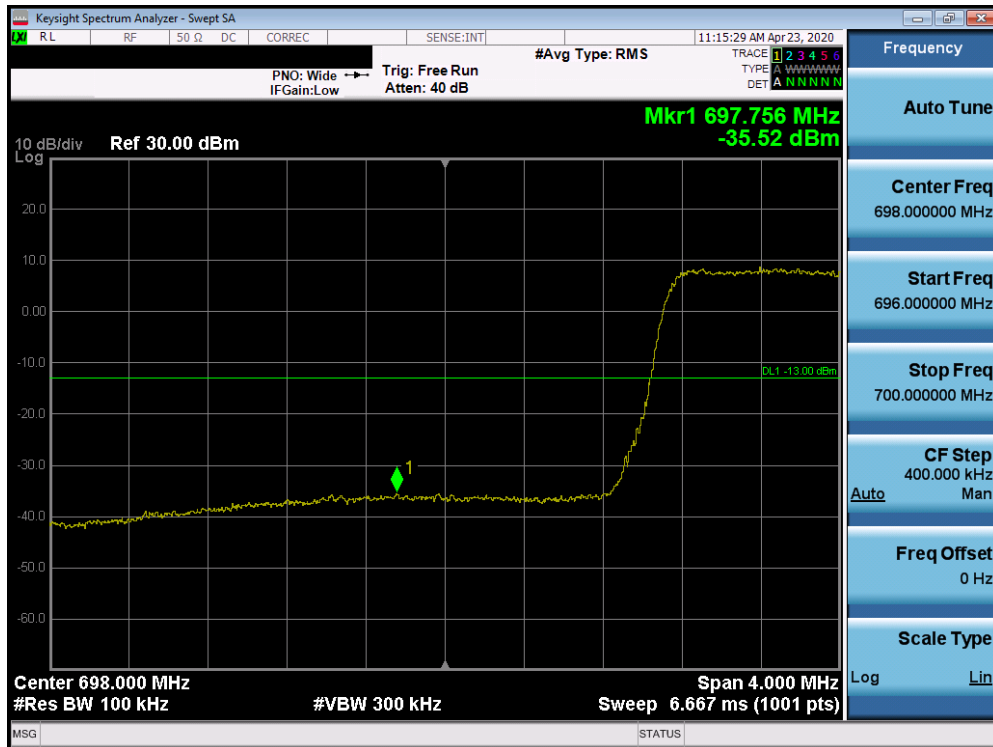


Plot 7-418. Lower Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-419. Upper Band Edge Plot (Band 12 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 239 of 494

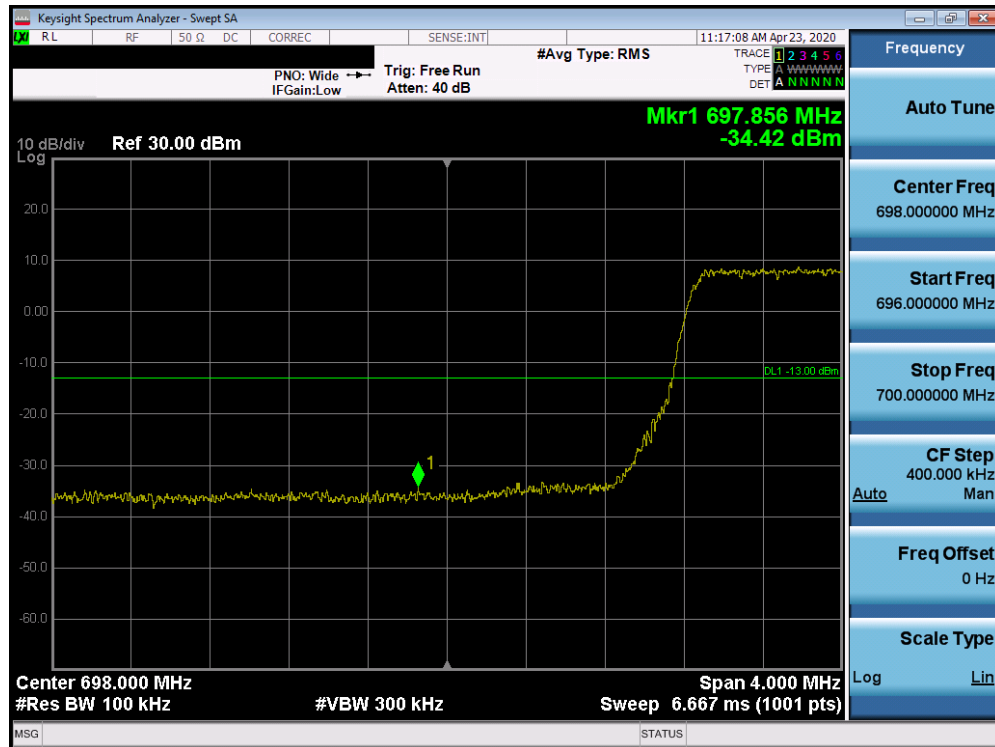


Plot 7-420. Lower Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-421. Upper Band Edge Plot (Band 12 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 240 of 494

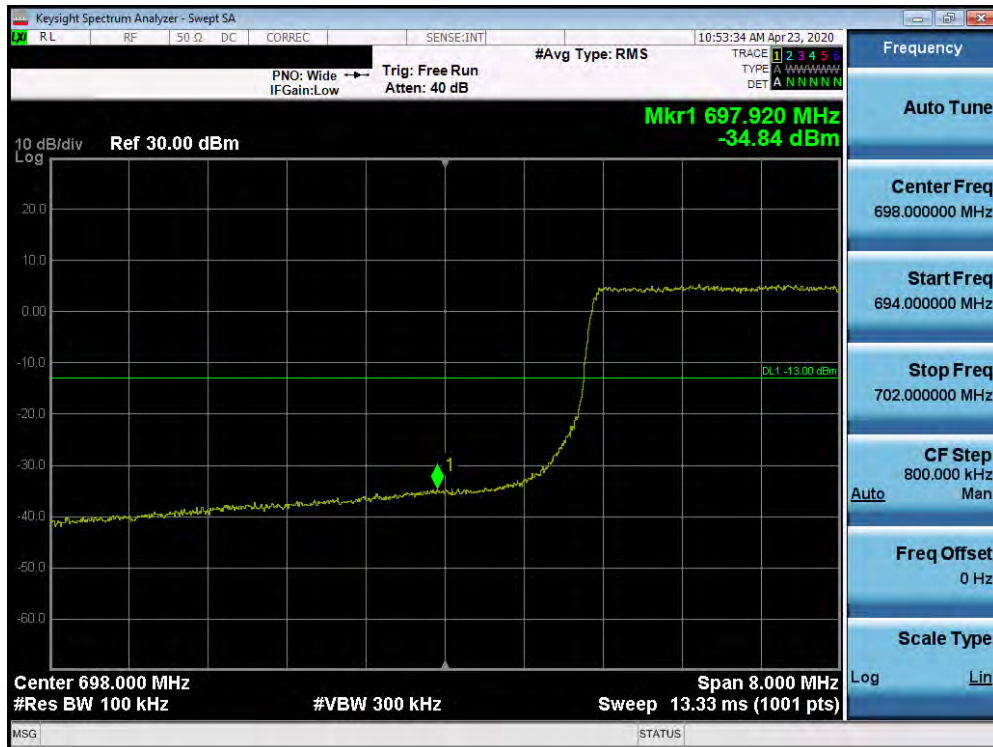


Plot 7-422. Lower Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-423. Upper Band Edge Plot (Band 12 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset	Page 241 of 494



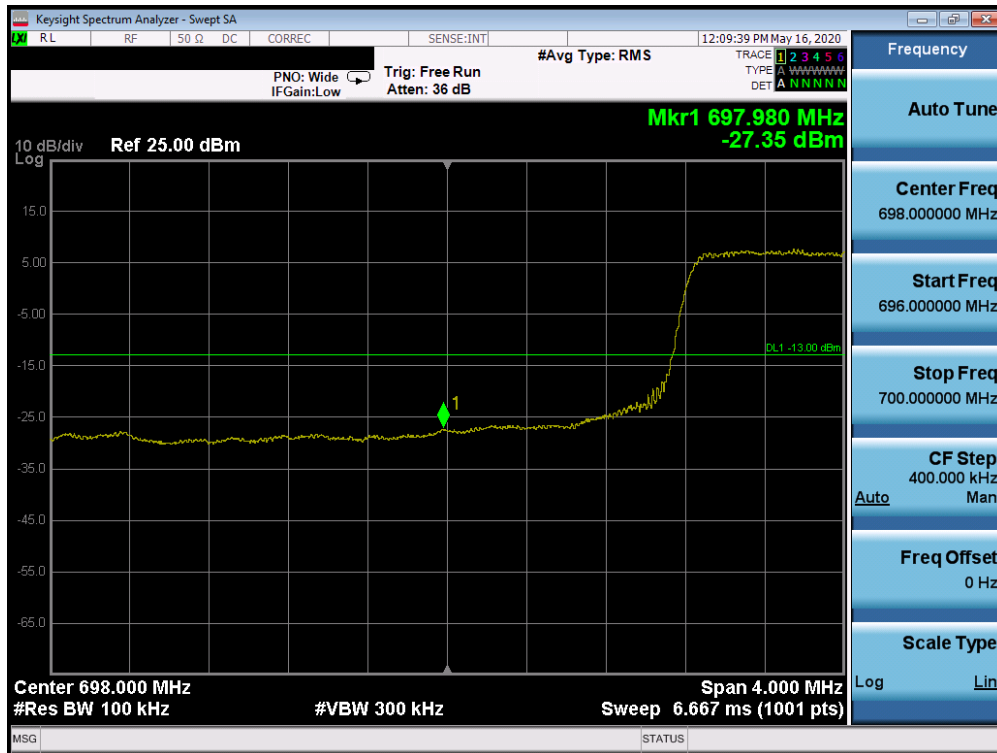
Plot 7-424. Lower Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-425. Upper Band Edge Plot (Band 12 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 242 of 494

NR Band n12

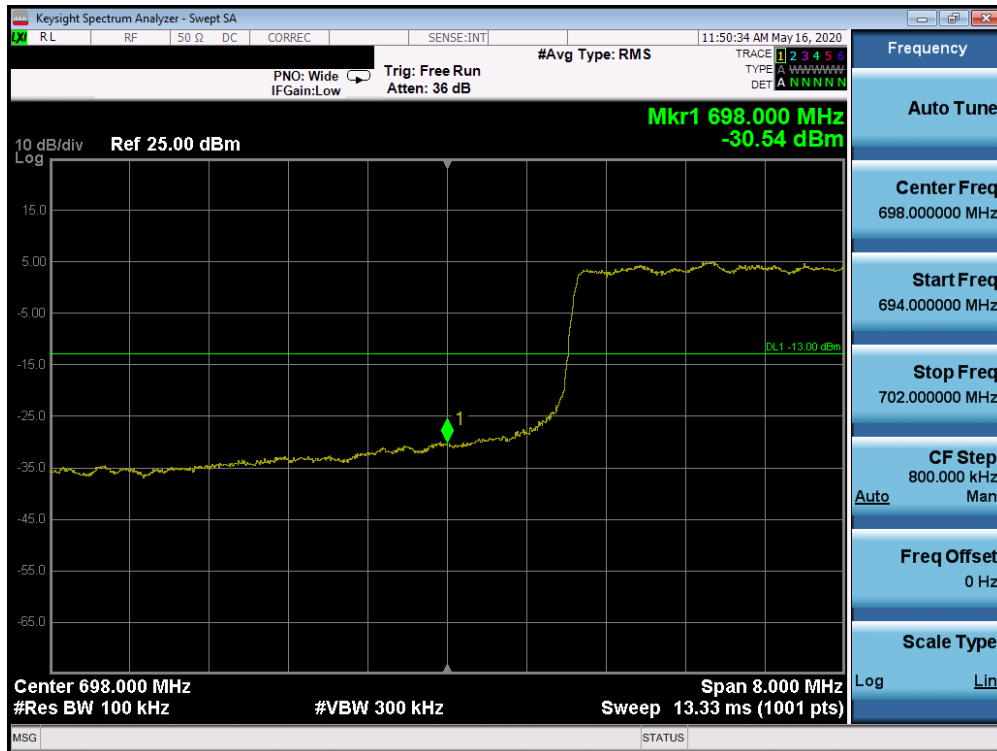


Plot 7-426. Lower Band Edge Plot (n12 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-427. Upper Band Edge Plot (n12 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 243 of 494

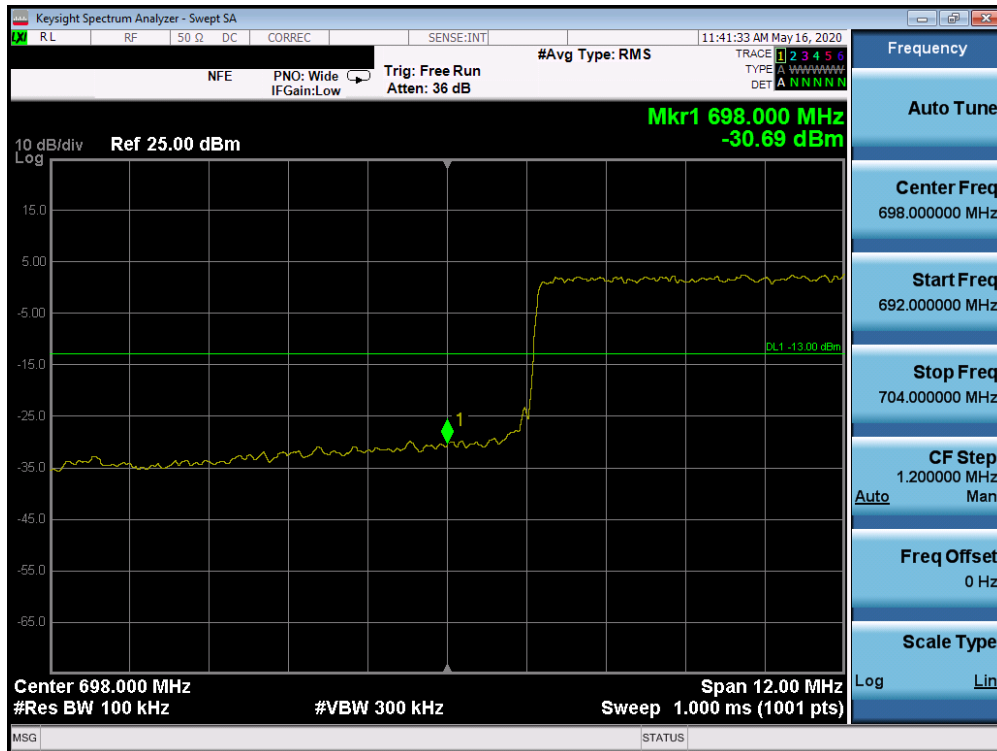


Plot 7-428. Lower Band Edge Plot (n12 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

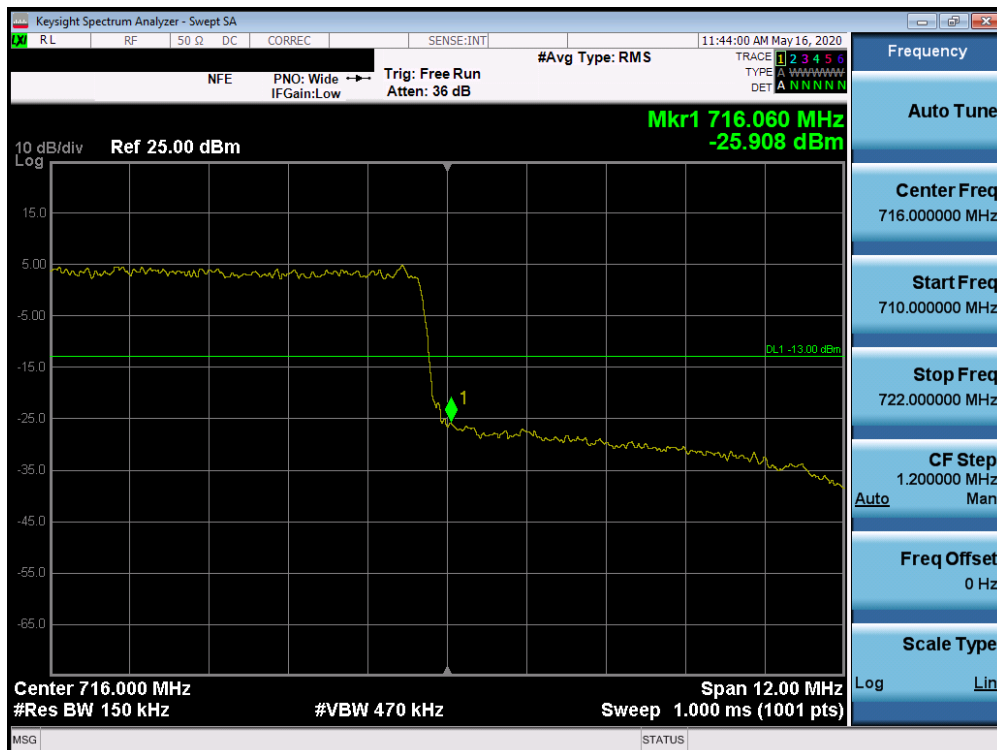


Plot 7-429. Upper Band Edge Plot (n12 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 244 of 494



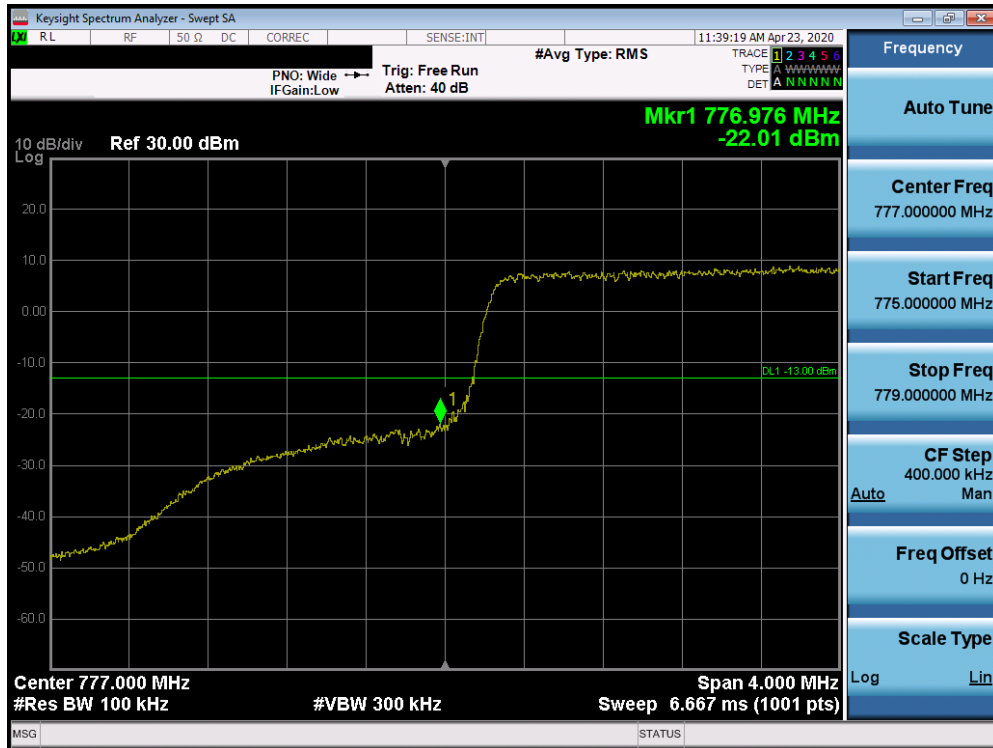
Plot 7-430. Lower Band Edge Plot (n12 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-431. Upper Band Edge Plot (n12 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 245 of 494

Band 13



Plot 7-432. Lower Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

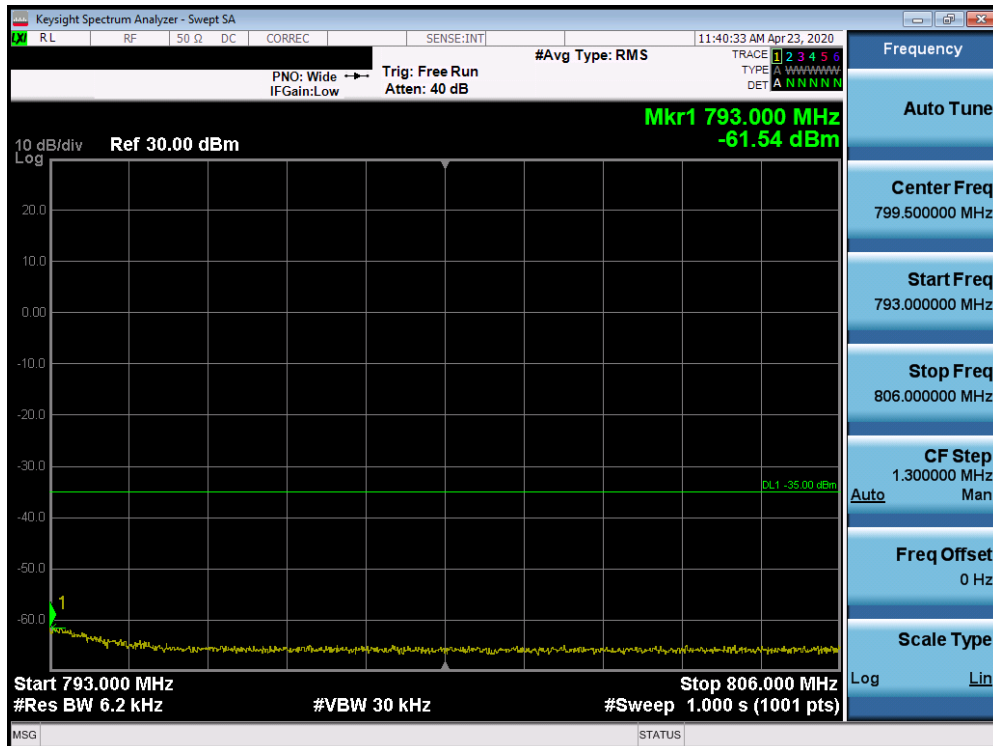


Plot 7-433. Lower Extended Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 246 of 494

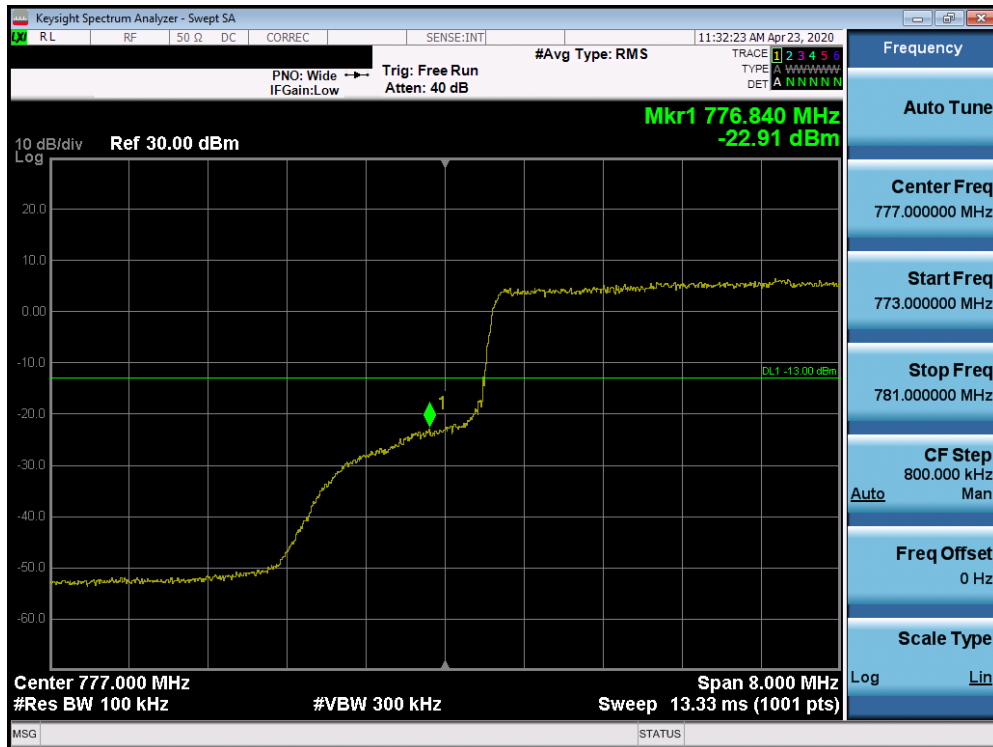


Plot 7-434. Upper Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

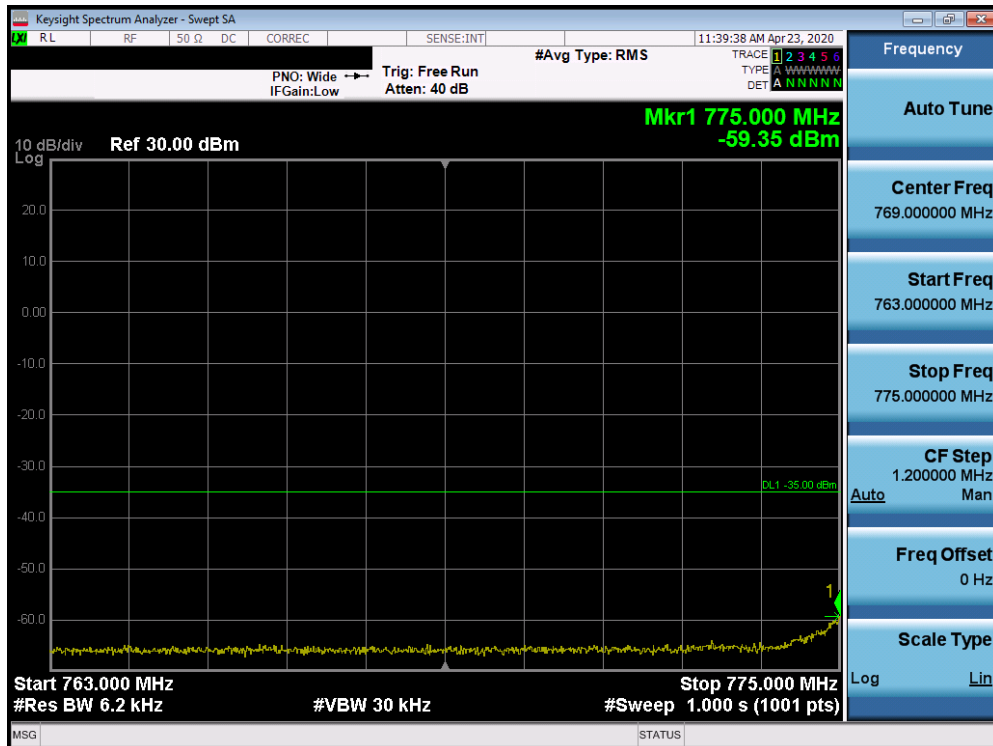


Plot 7-435. Upper Extended Band Edge Plot (Band 13 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 247 of 494



Plot 7-436. Lower Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

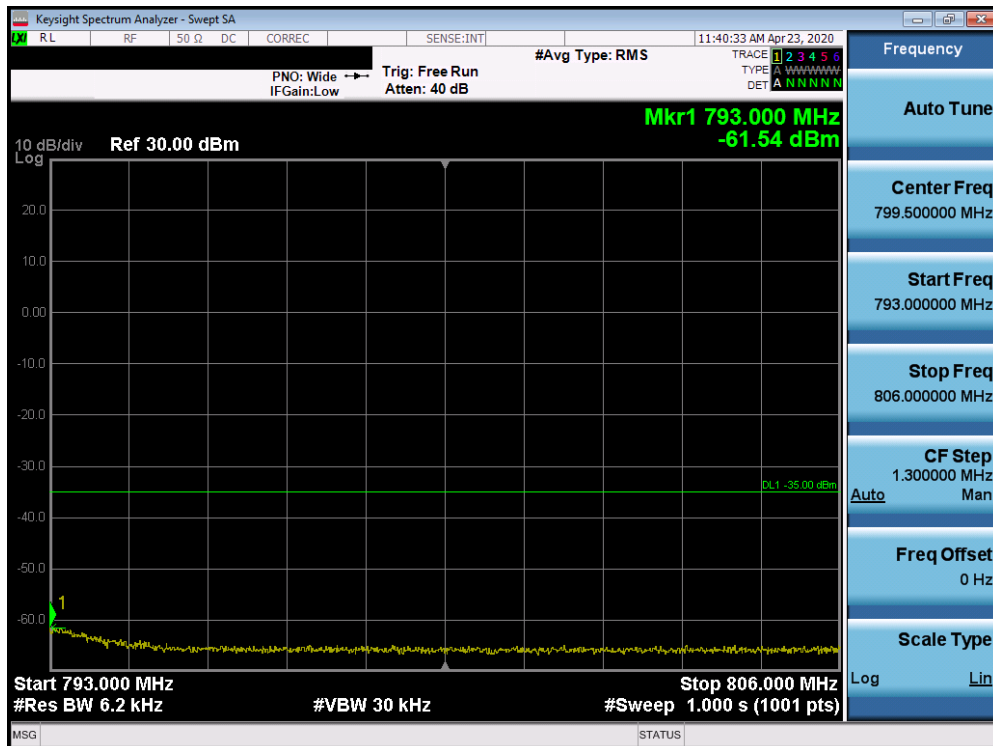


Plot 7-437. Lower Extended Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 248 of 494



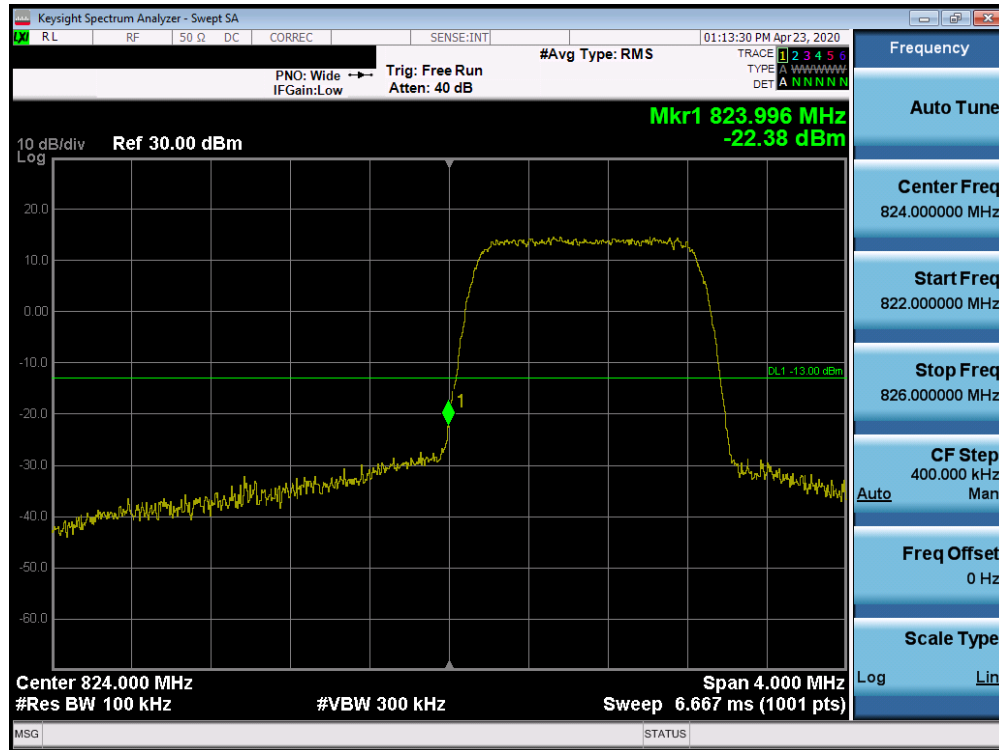
Plot 7-438. Upper Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-439. Upper Extended Band Edge Plot (Band 13 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 249 of 494

Band 26/5

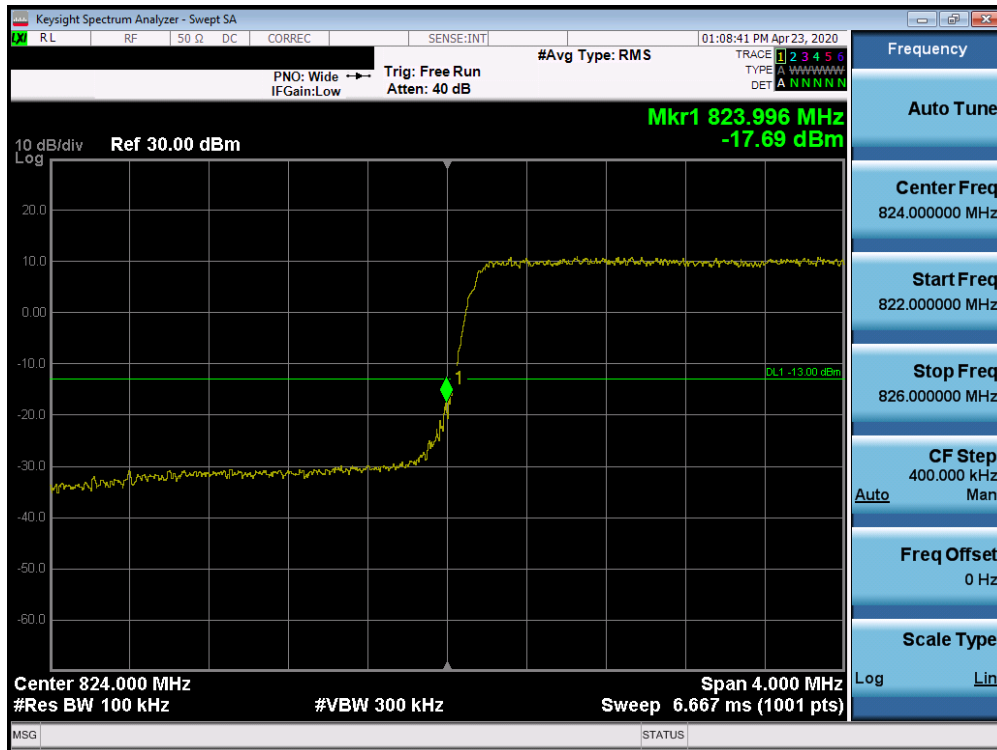


Plot 7-440. Lower Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)

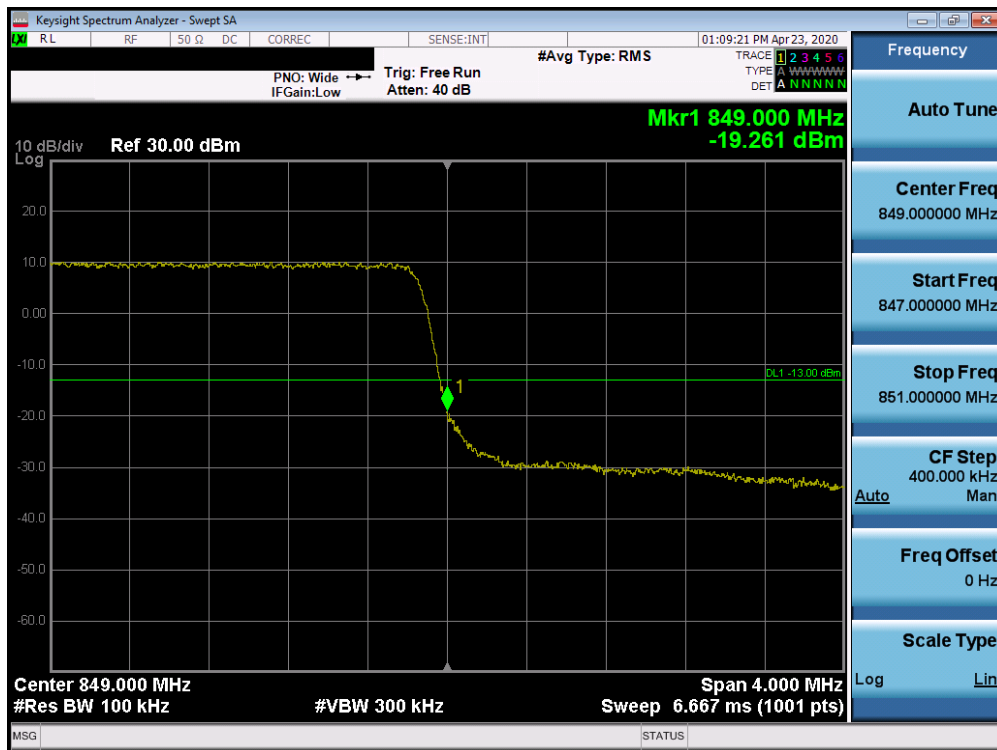


Plot 7-441. Upper Band Edge Plot (Band 26/5 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 250 of 494

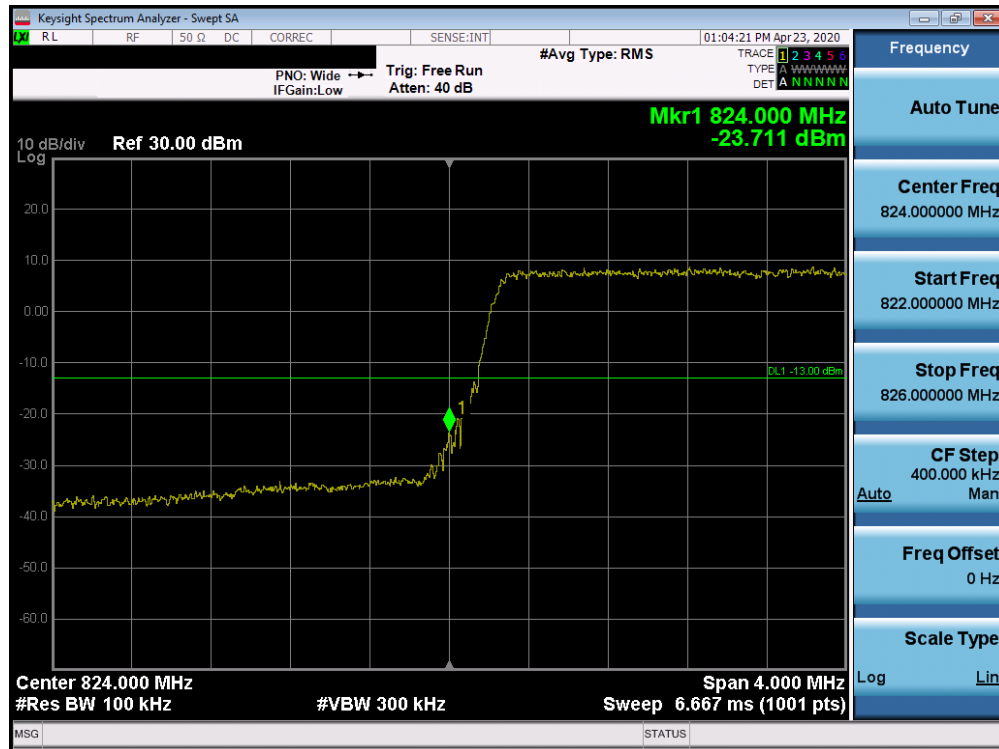


Plot 7-442. Lower Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

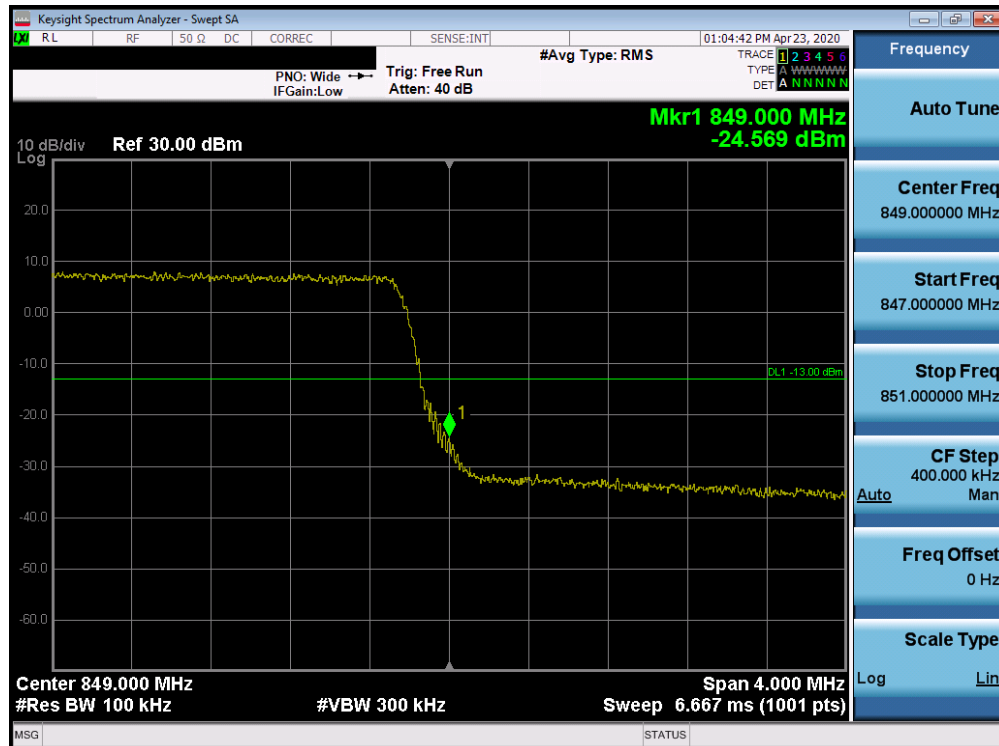


Plot 7-443. Upper Band Edge Plot (Band 26/5 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 251 of 494

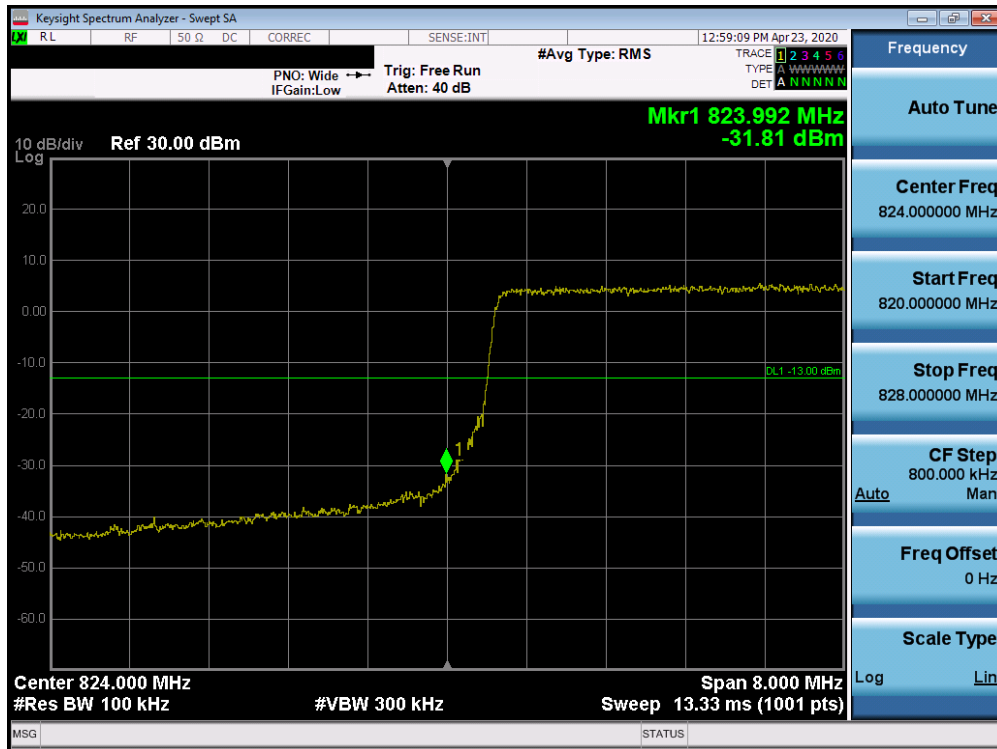


Plot 7-444. Lower Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-445. Upper Band Edge Plot (Band 26/5 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 252 of 494

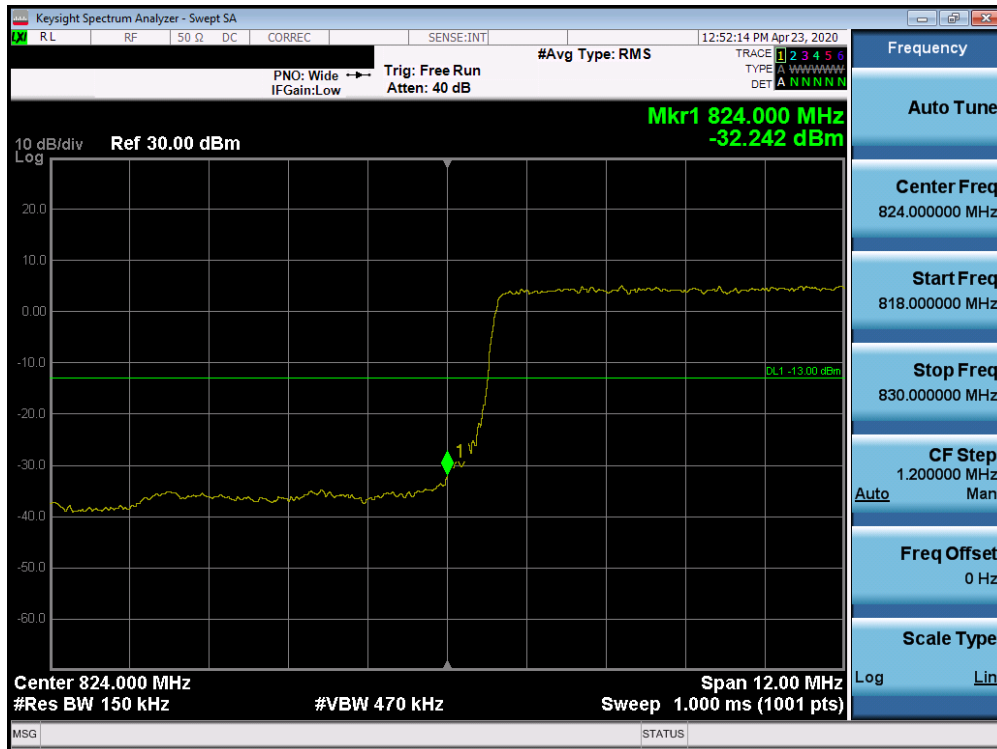


Plot 7-446. Lower Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)



Plot 7-447. Upper Band Edge Plot (Band 26/5 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 253 of 494



Plot 7-448. Lower Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-449. Upper Band Edge Plot (Band 26 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 254 of 494

NR Band n5

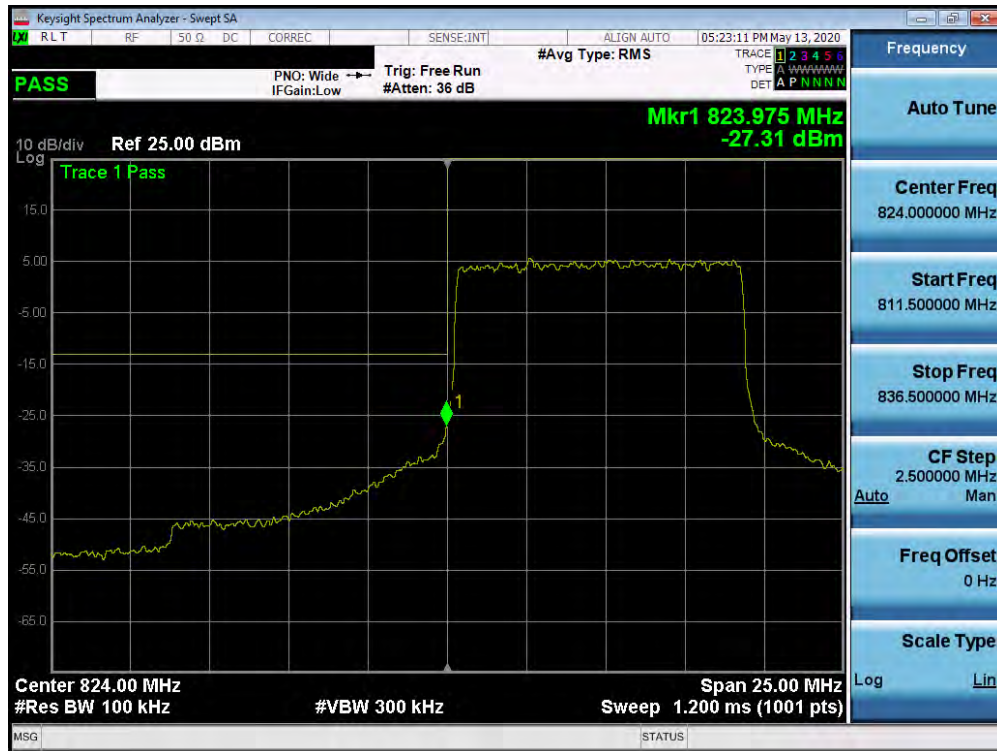


Plot 7-450. Lower Band Edge Plot (n5 – 5.0MHz DFT-s-OFDM BPSK - Full RB Configuration)



Plot 7-451. Upper Band Edge Plot (n5 – 5.0MHz DFT-s-OFDM BPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 255 of 494

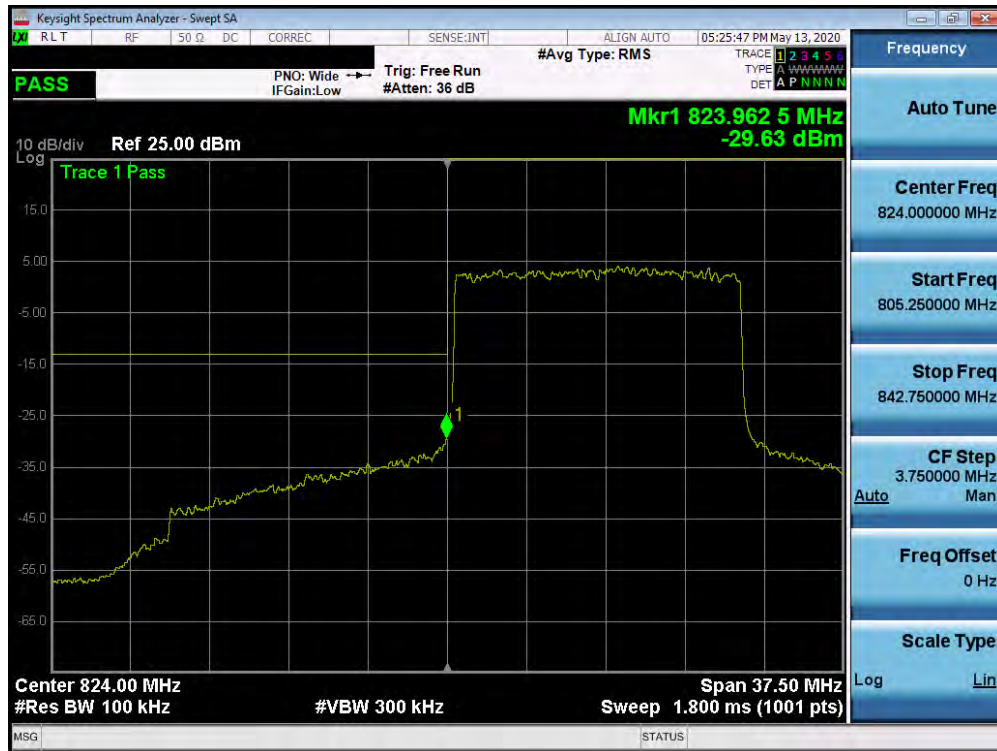


Plot 7-452. Lower Band Edge Plot (n5 – 10.0MHz DFT-s-OFDM BPSK - Full RB Configuration)

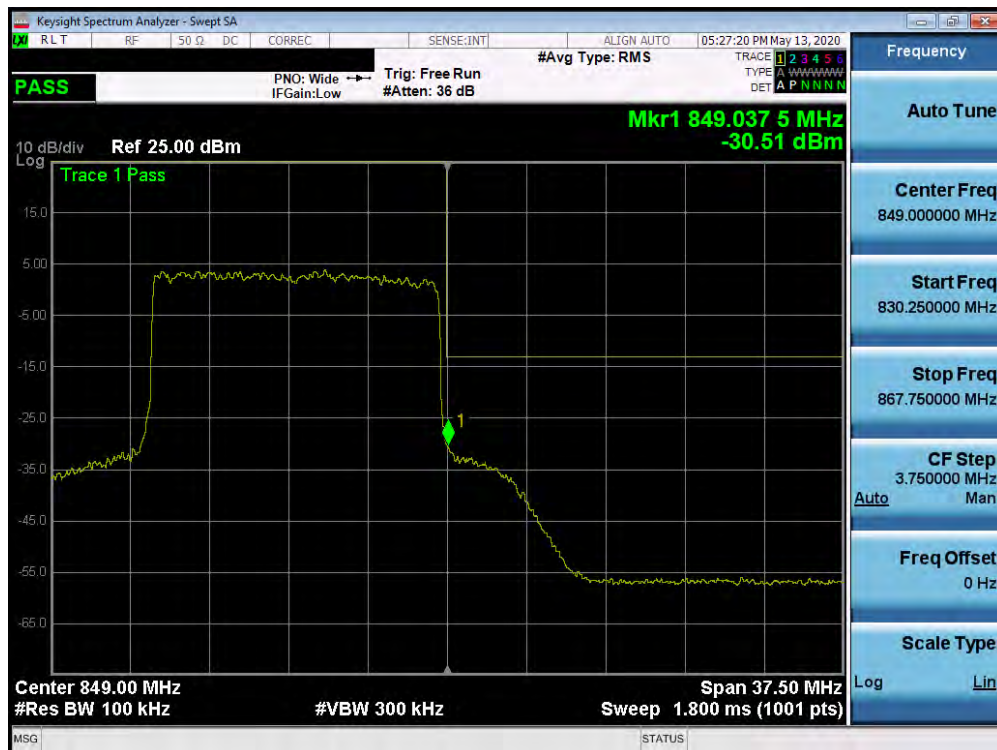


Plot 7-453. Upper Band Edge Plot (n5 – 10.0MHz DFT-s-OFDM BPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 256 of 494

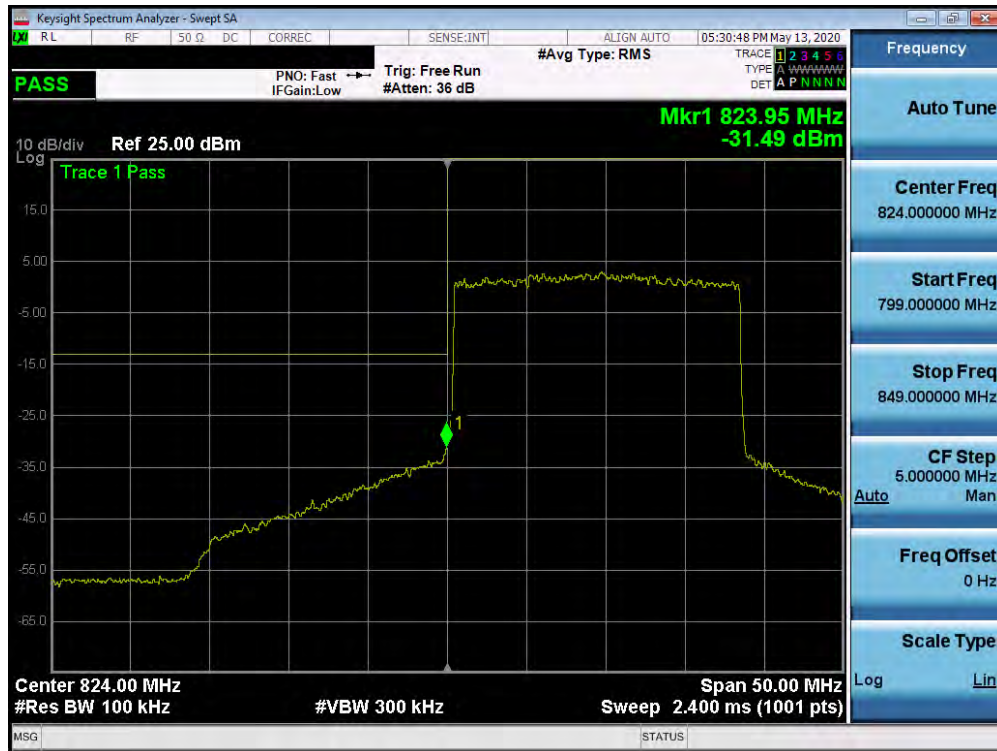


Plot 7-454. Lower Band Edge Plot (n5 – 15.0MHz DFT-s-OFDM BPSK - Full RB Configuration)

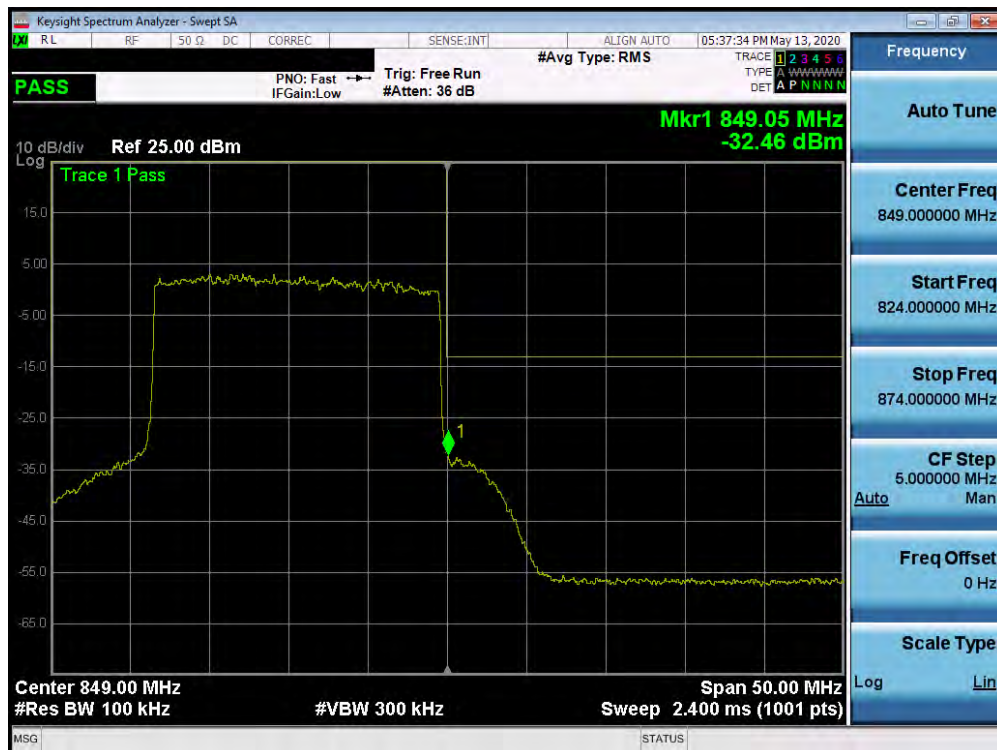


Plot 7-455. Upper Band Edge Plot (n5 – 15.0MHz DFT-s-OFDM BPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 257 of 494



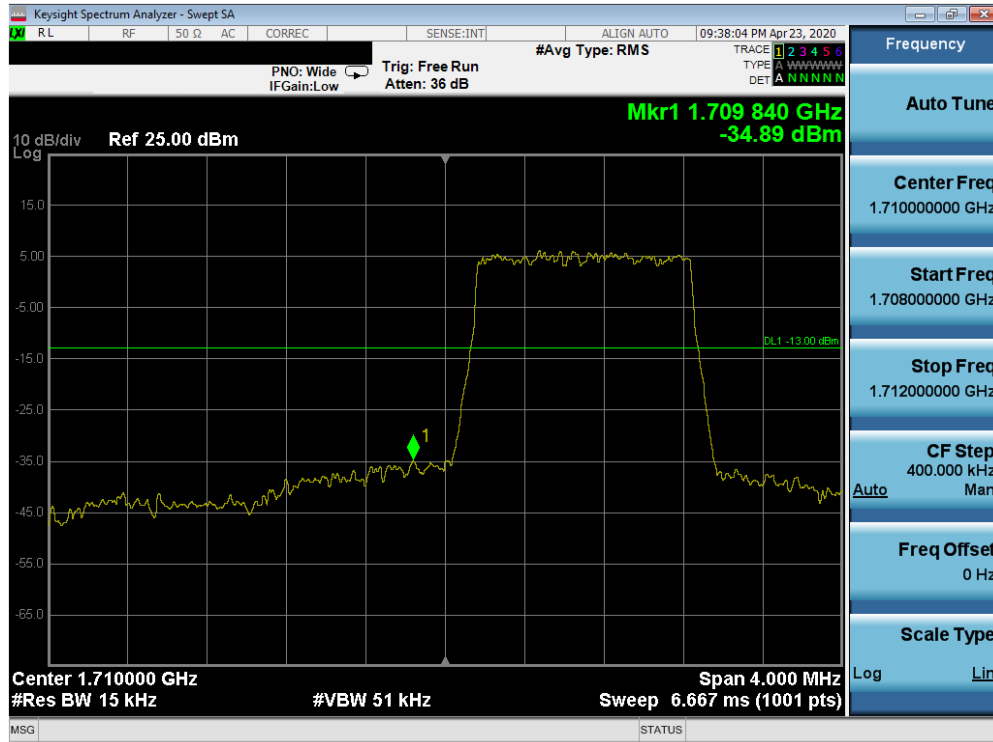
Plot 7-456. Lower Band Edge Plot (n5 – 20.0MHz DFT-s-OFDM BPSK - Full RB Configuration)



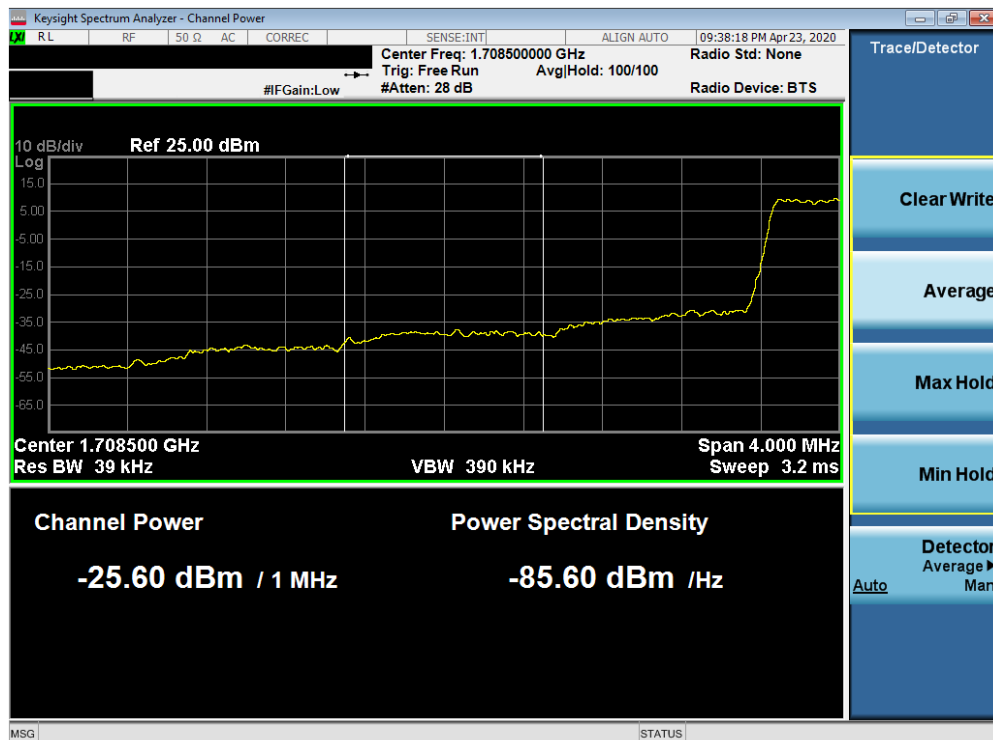
Plot 7-457. Upper Band Edge Plot (n5 – 20.0MHz DFT-s-OFDM BPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 258 of 494

Band 66/4

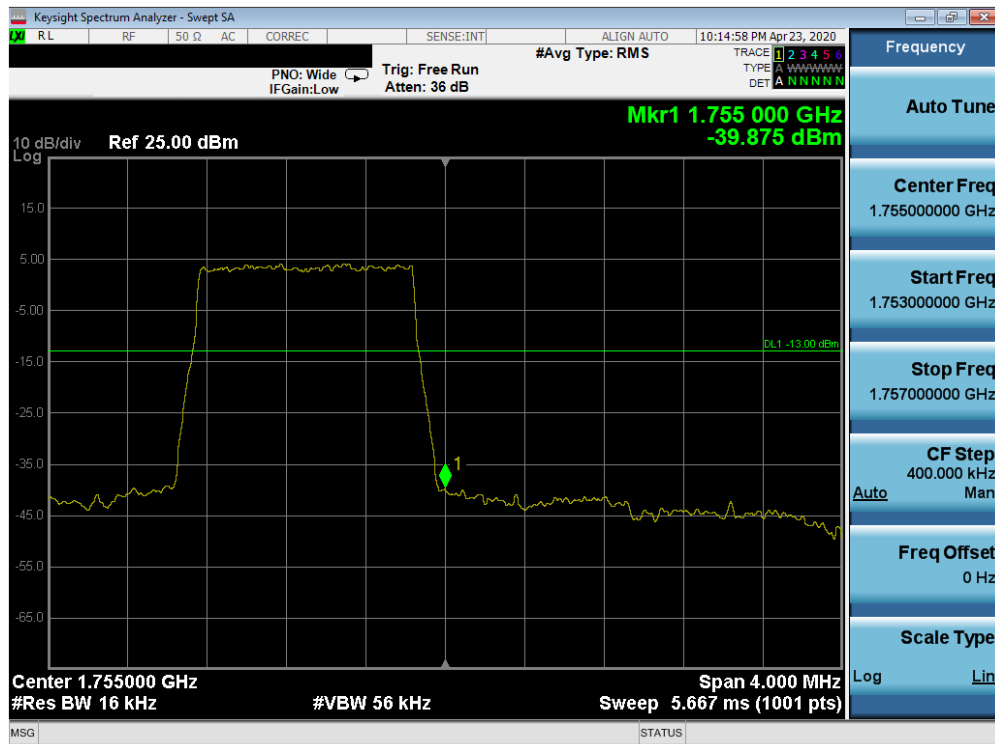


Plot 7-458. Lower Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

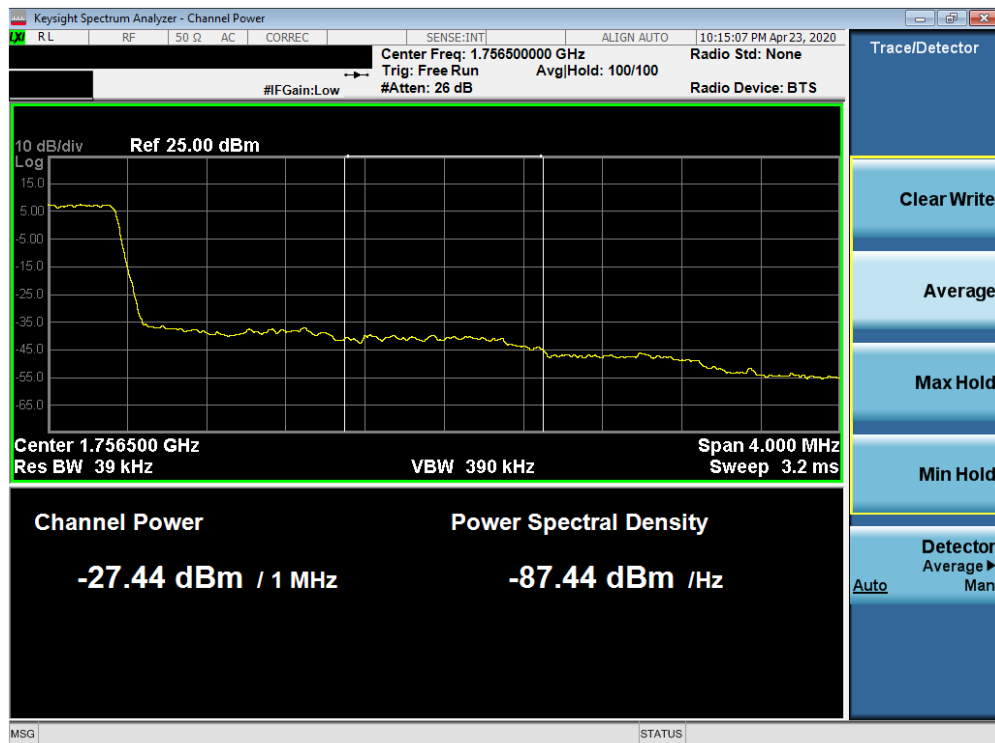


Plot 7-459. Lower Extended Band Edge Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 259 of 494

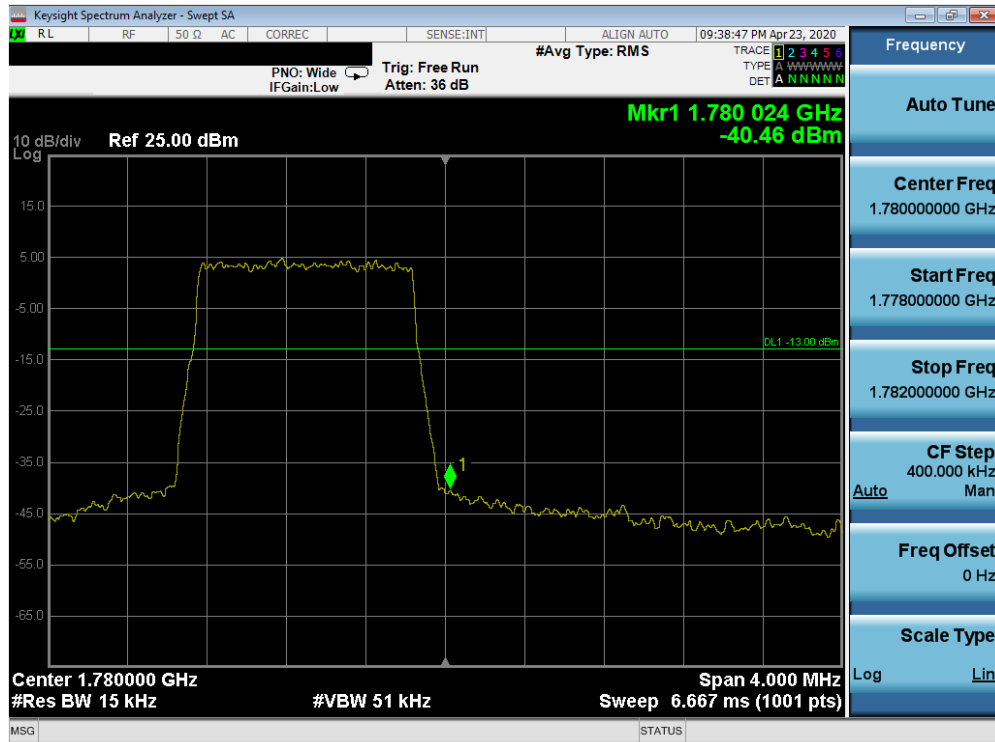


Plot 7-460. Upper Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

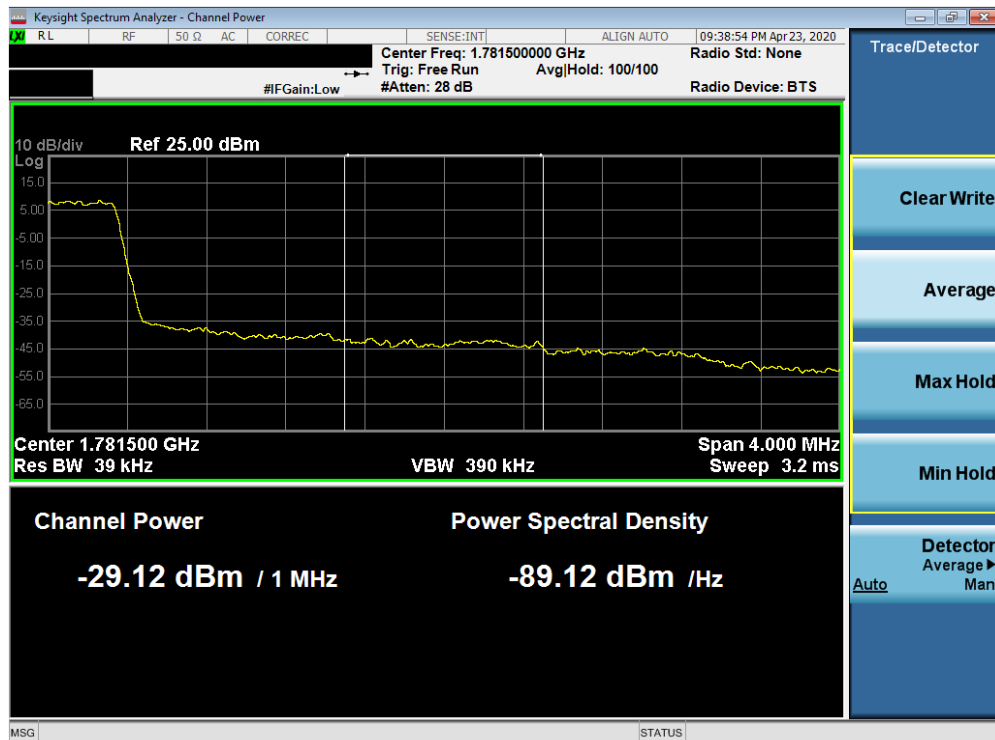


Plot 7-461. Upper Extended Band Edge Plot (Band 4 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3-A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 260 of 494

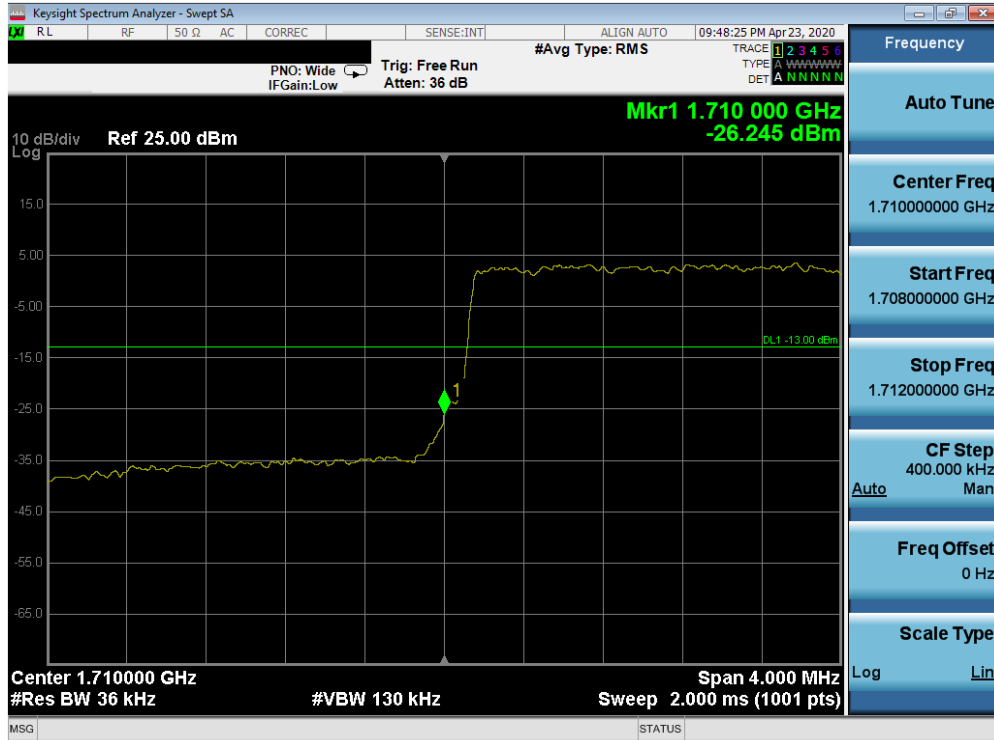


Plot 7-462. Upper Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

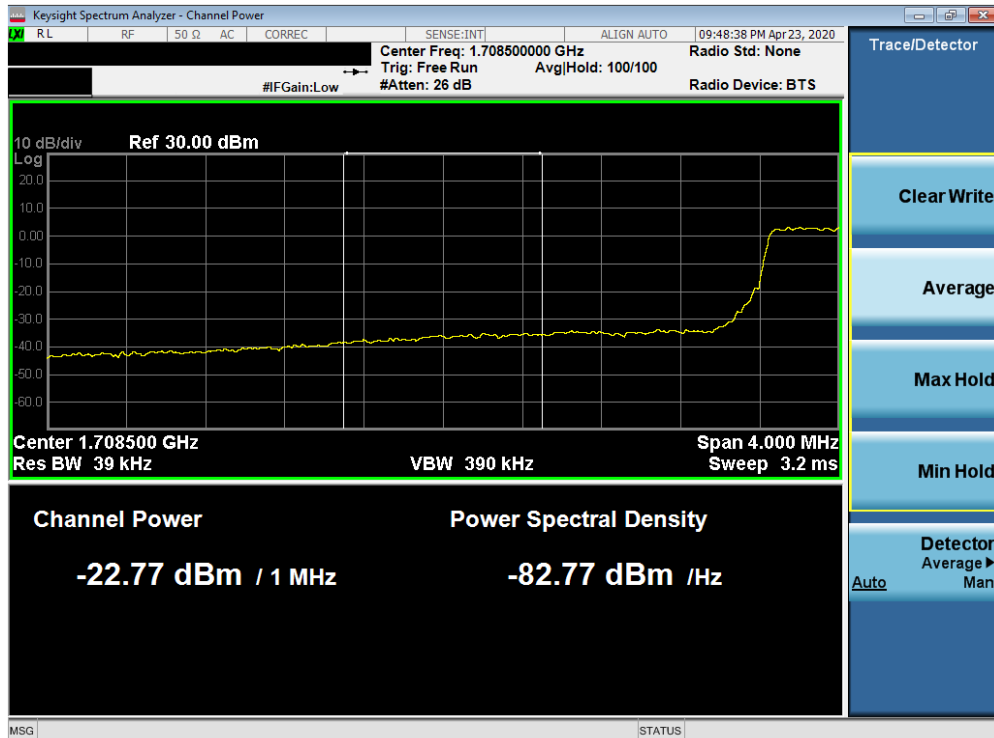


Plot 7-463. Upper Extended Band Edge Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 261 of 494

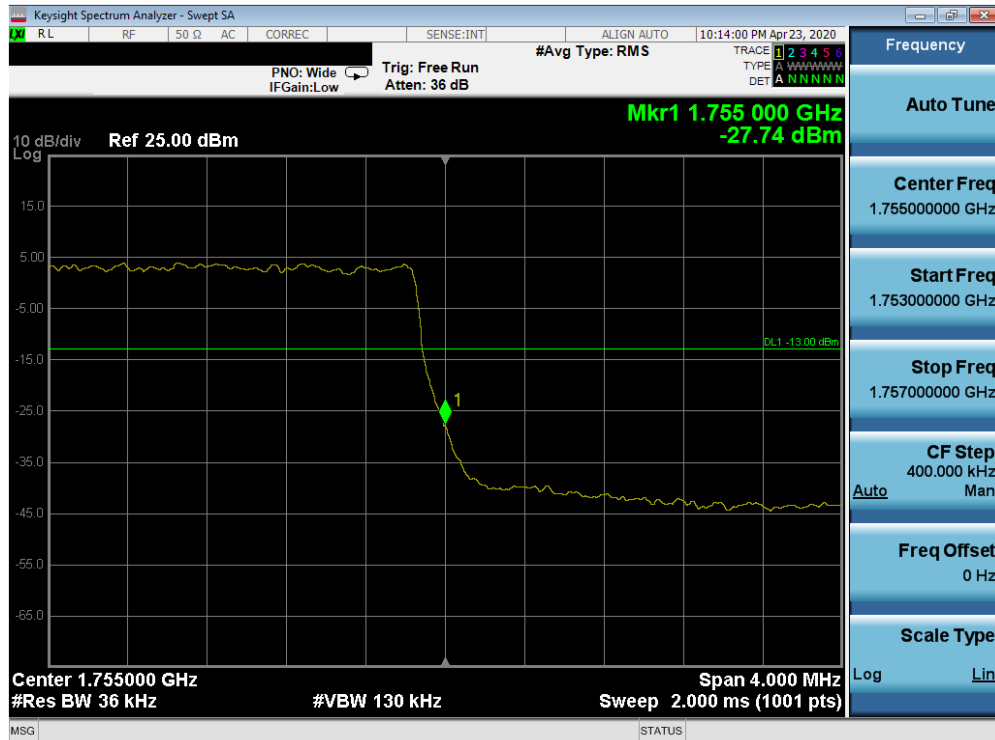


Plot 7-464. Lower Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

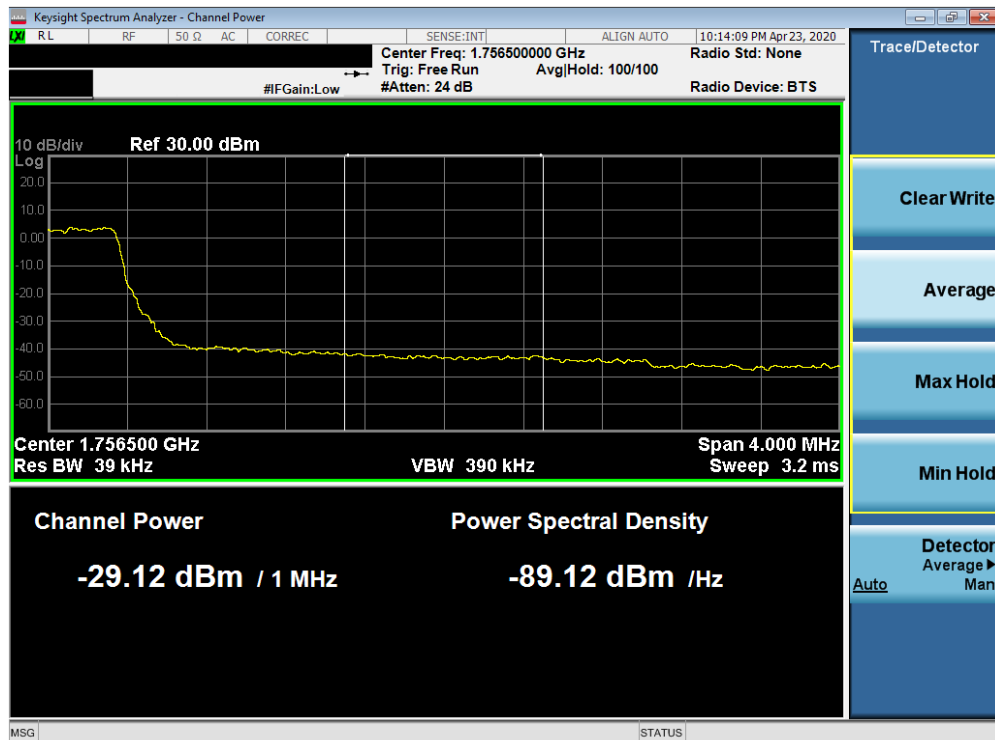


Plot 7-465. Lower Extended Band Edge Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 262 of 494

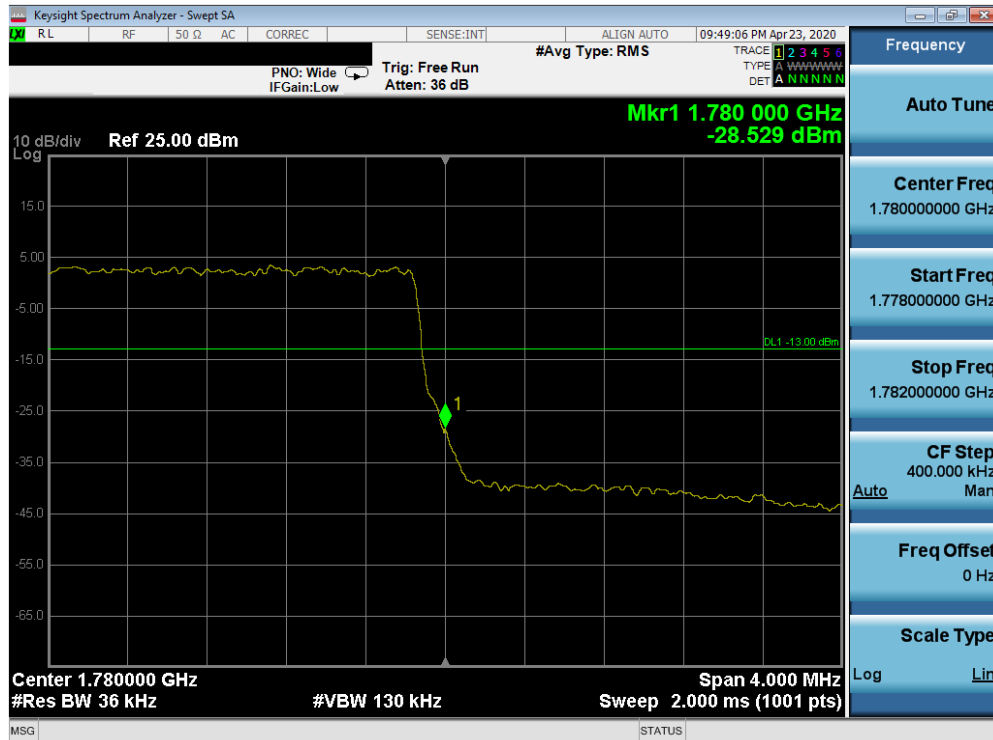


Plot 7-466. Upper Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

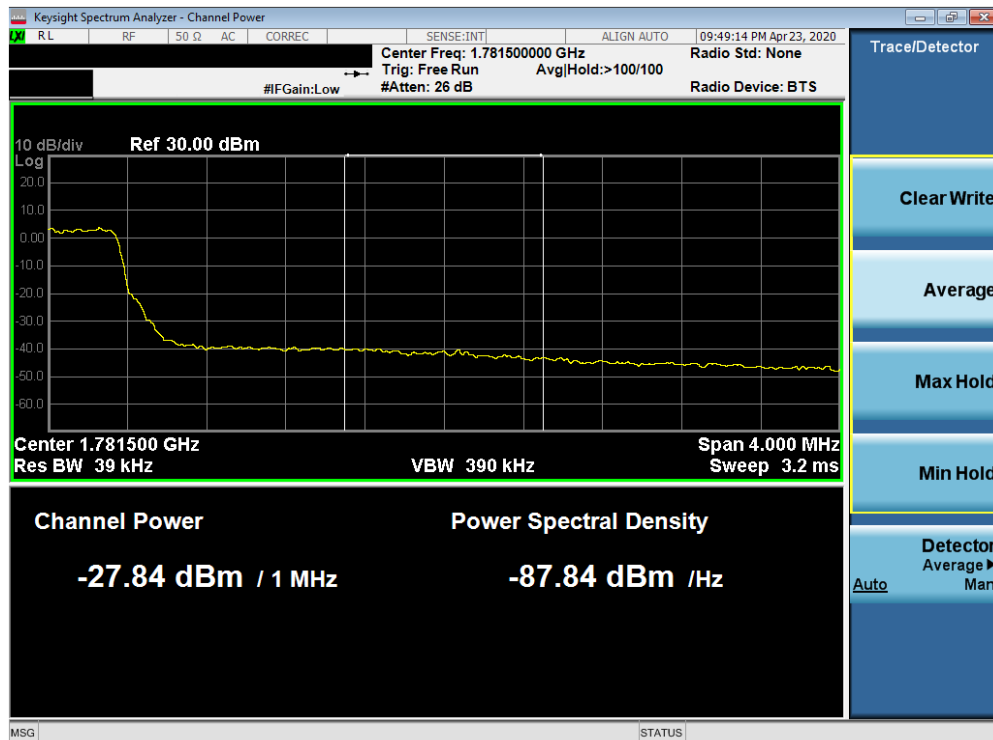


Plot 7-467. Upper Extended Band Edge Plot (Band 4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 263 of 494

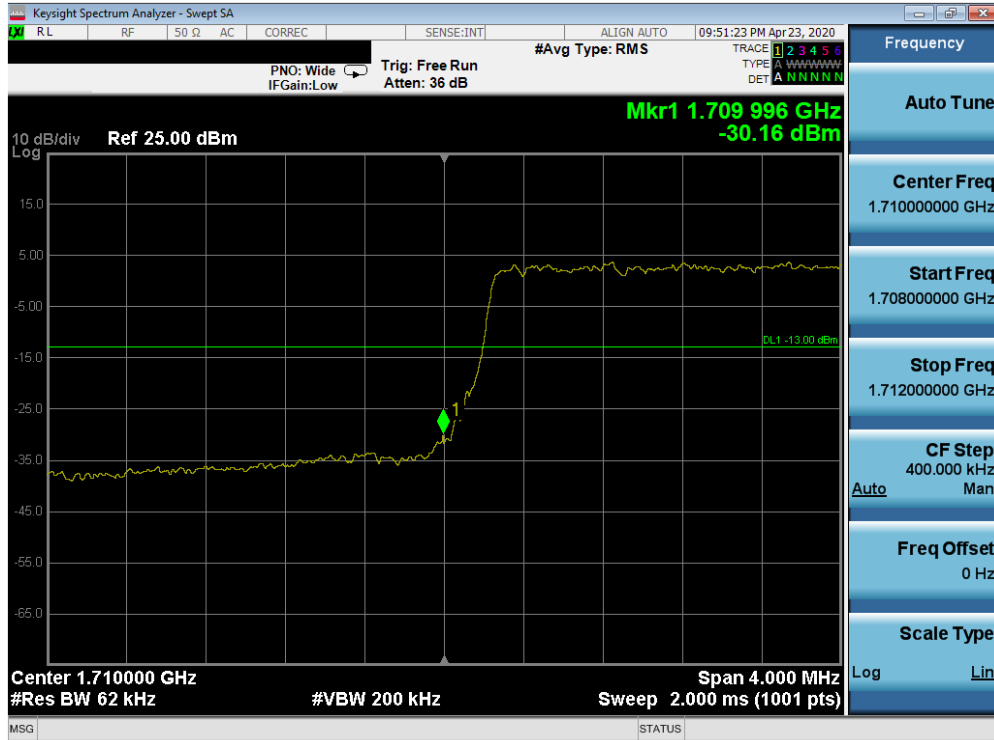


Plot 7-468. Upper Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

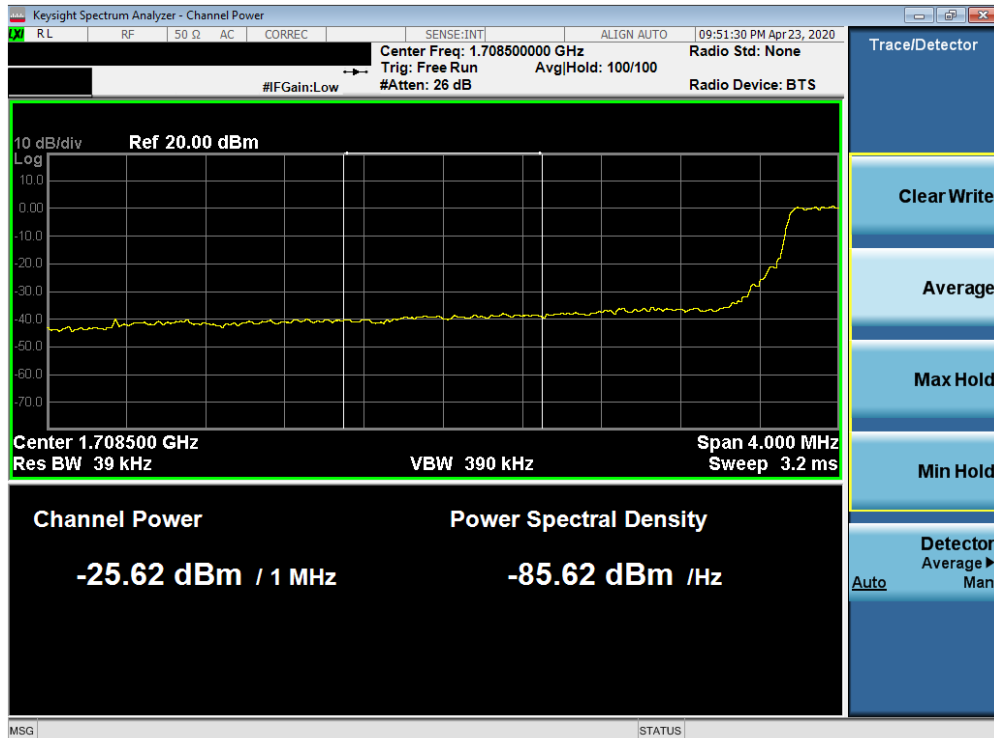


Plot 7-469. Upper Extended Band Edge Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 264 of 494



Plot 7-470. Lower Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

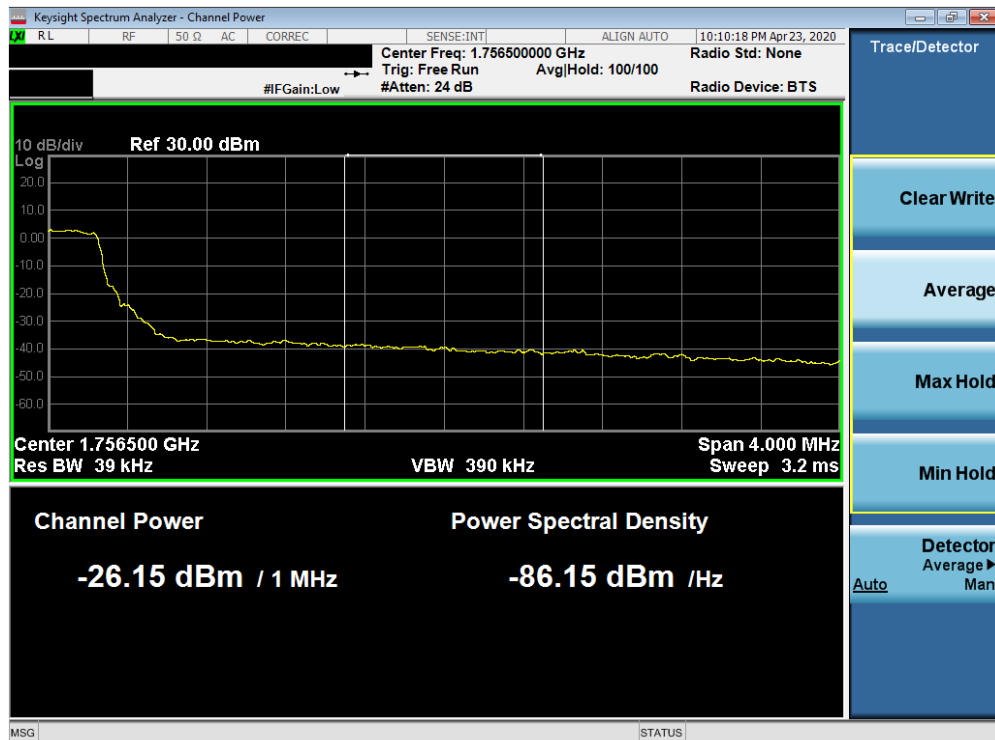


Plot 7-471. Lower Extended Band Edge Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 265 of 494



Plot 7-472. Upper Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

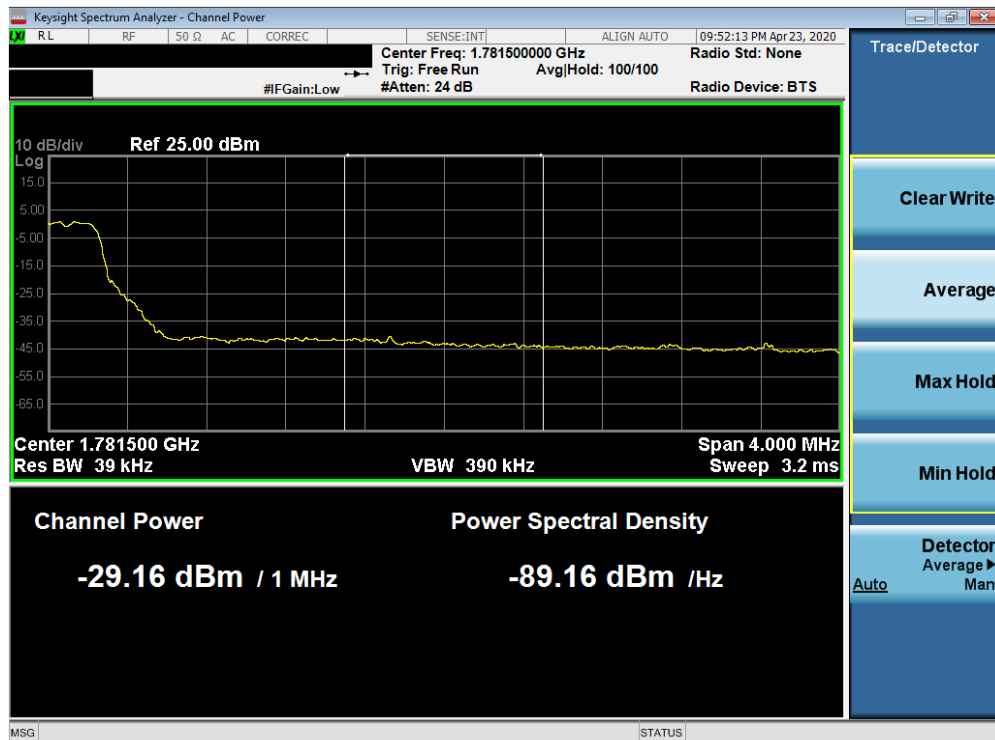


Plot 7-473. Upper Extended Band Edge Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 266 of 494

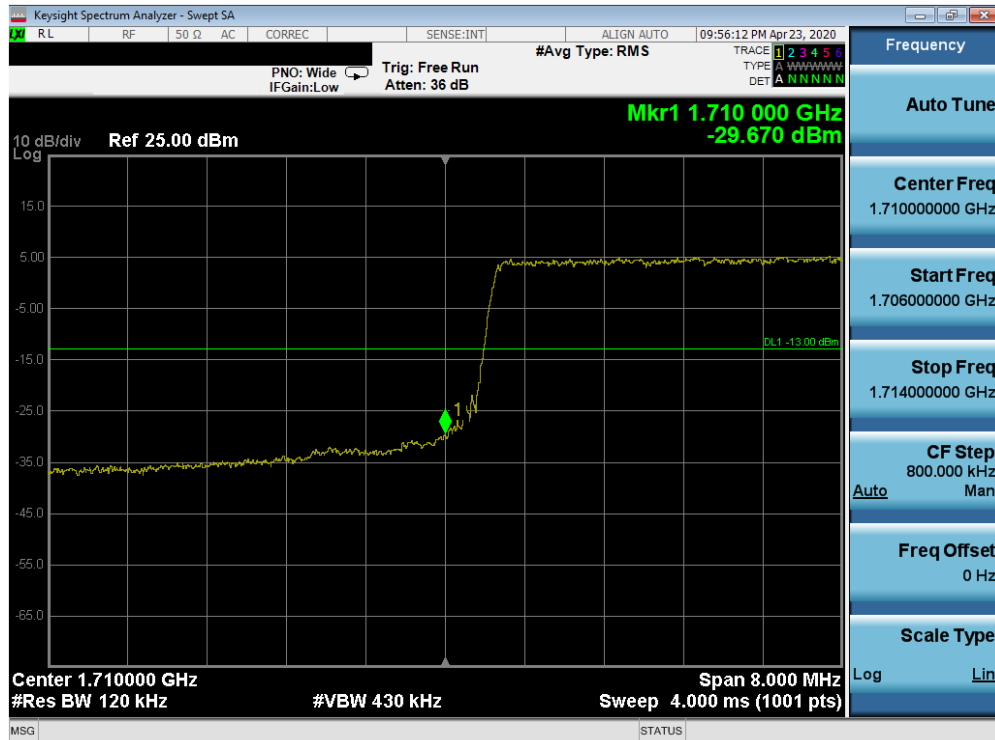


Plot 7-474. Upper Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

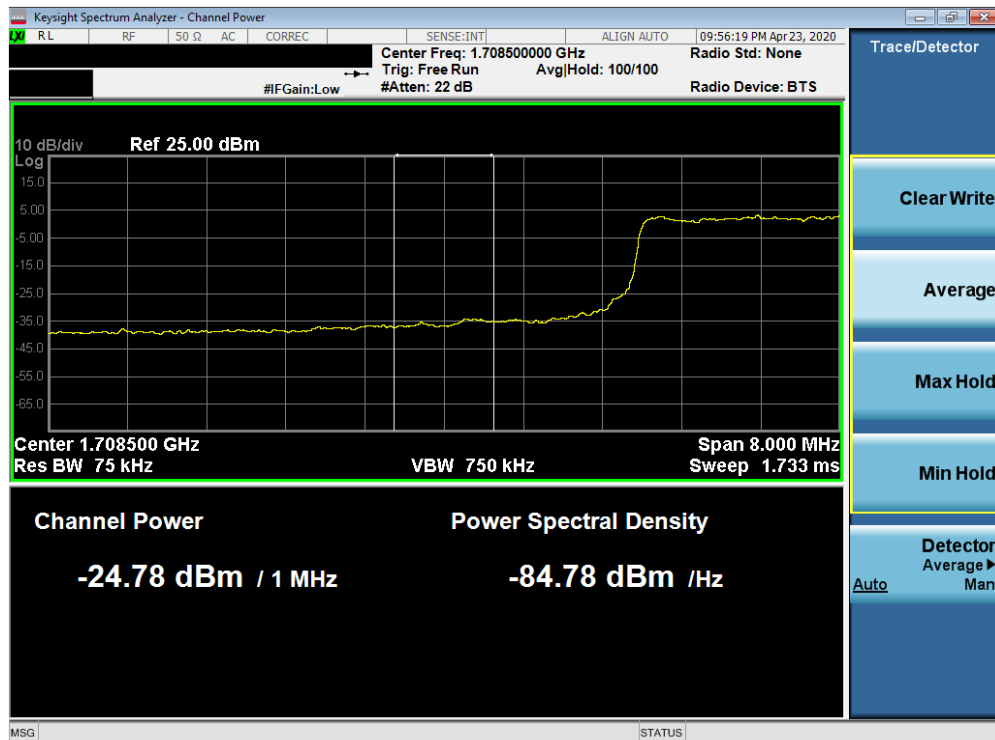


Plot 7-475. Upper Extended Band Edge Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 267 of 494



Plot 7-476. Lower Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

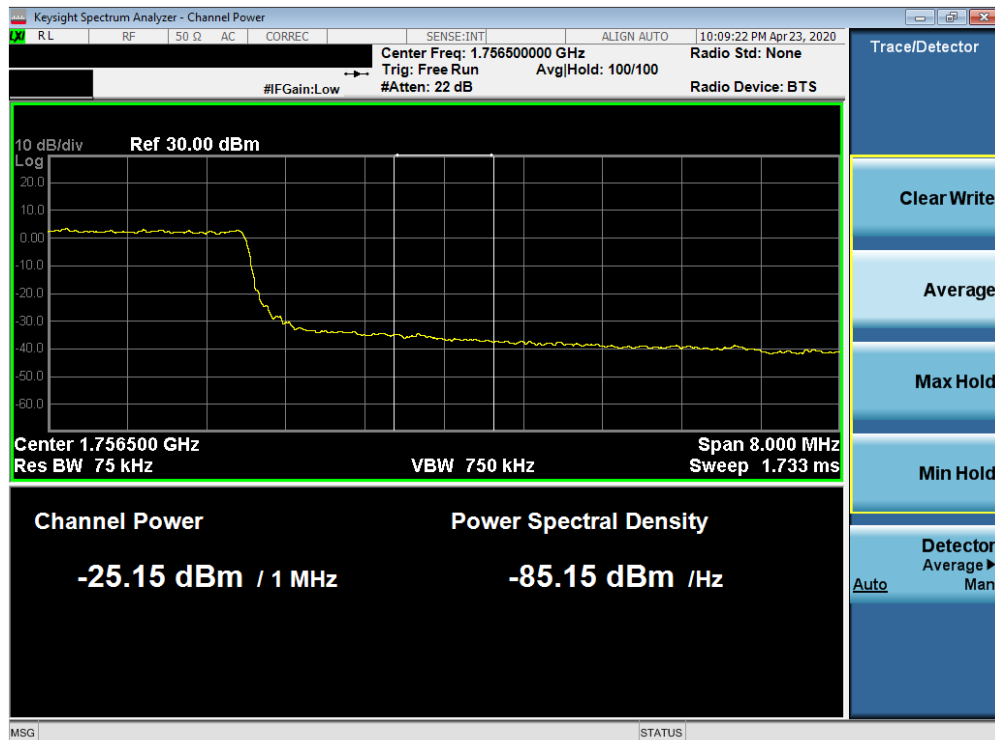


Plot 7-477. Lower Extended Band Edge Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 268 of 494

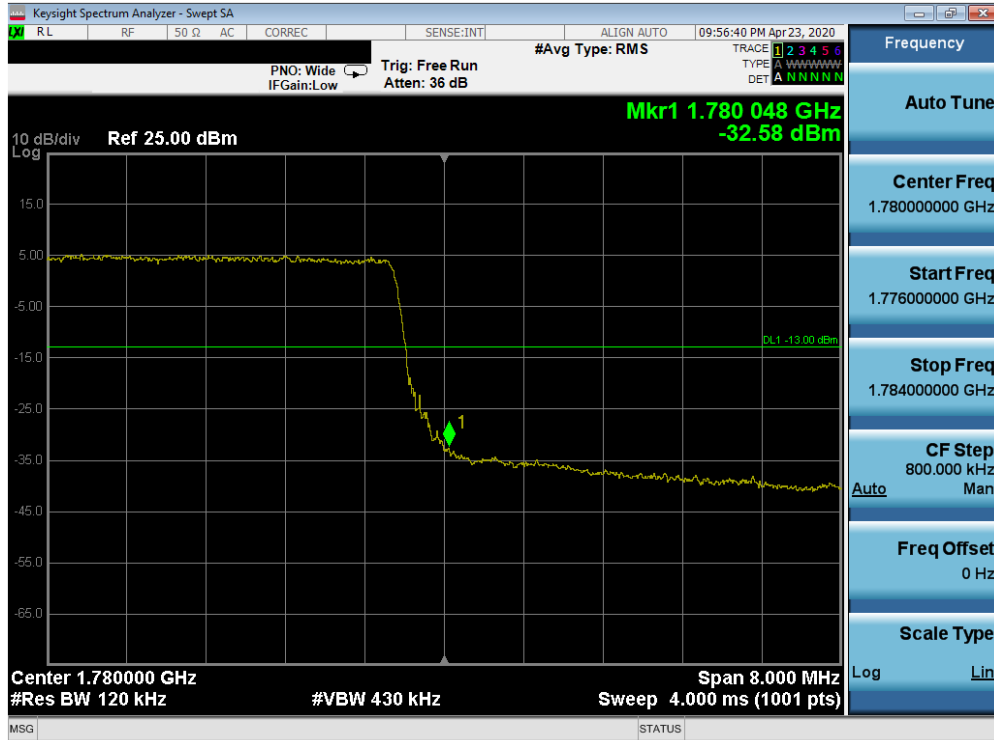


Plot 7-478. Upper Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

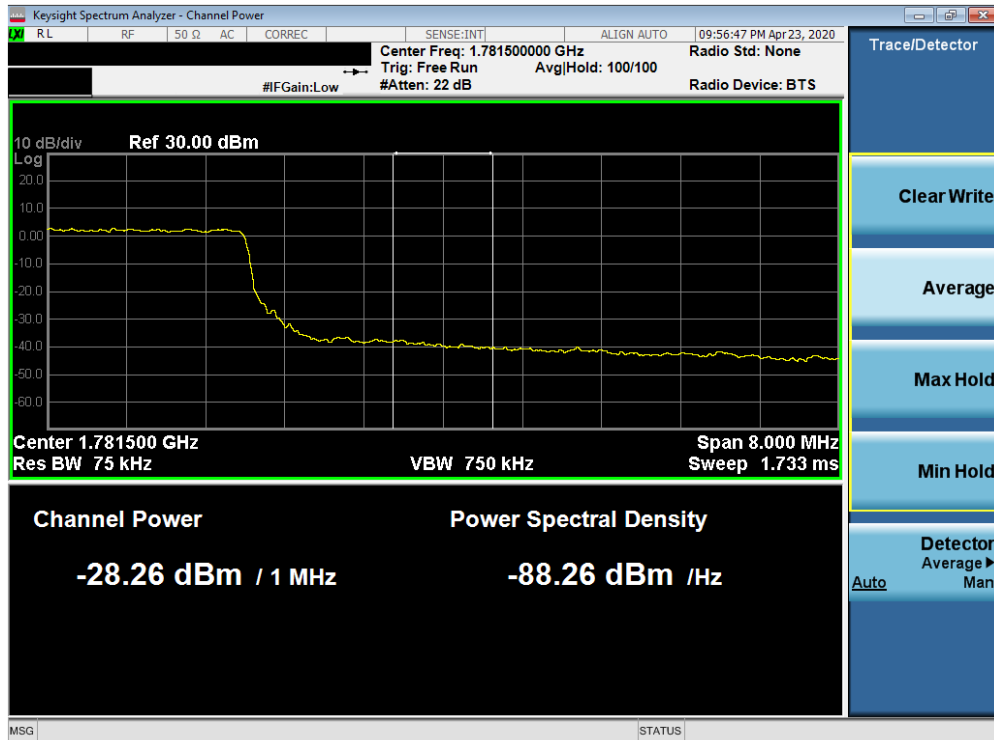


Plot 7-479. Upper Extended Band Edge Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 269 of 494

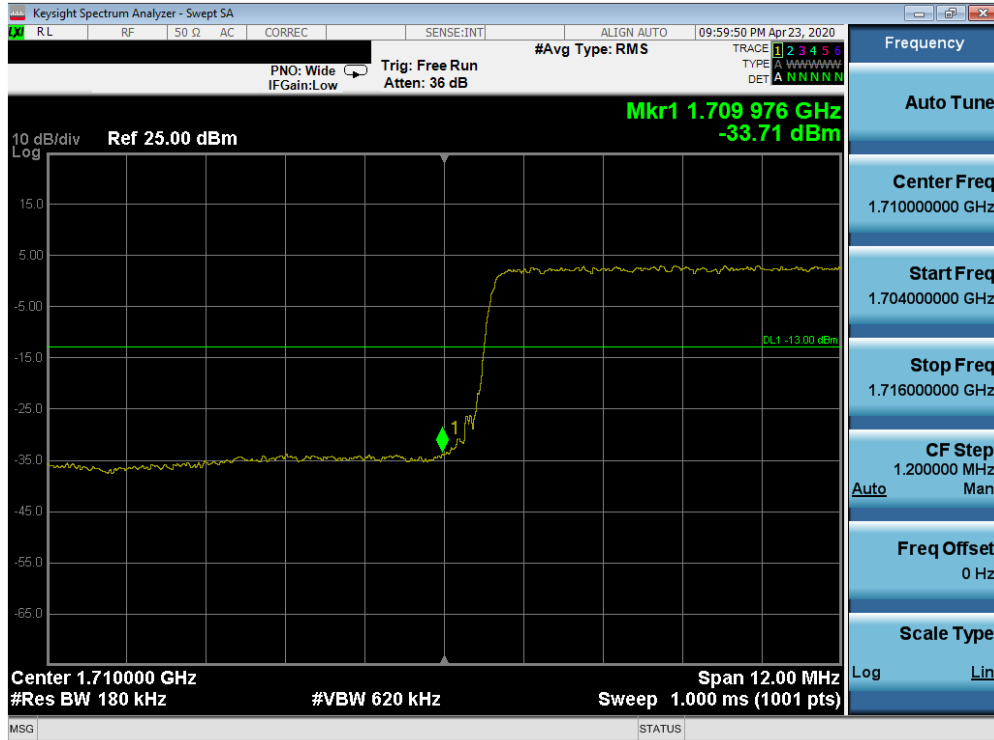


Plot 7-480. Upper Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

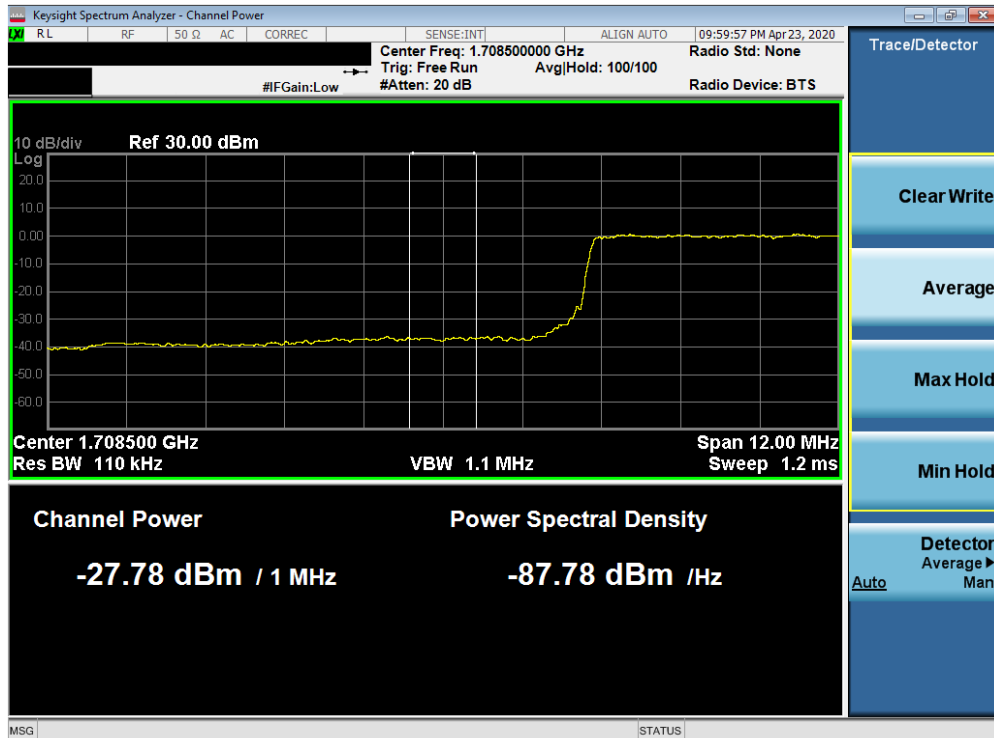


Plot 7-481. Upper Extended Band Edge Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 270 of 494



Plot 7-482. Lower Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)



Plot 7-483. Lower Extended Band Edge Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMN986U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2004170065-03-R3.A3L	Test Dates: 4/17 - 6/22/2020	EUT Type: Portable Handset		Page 271 of 494