

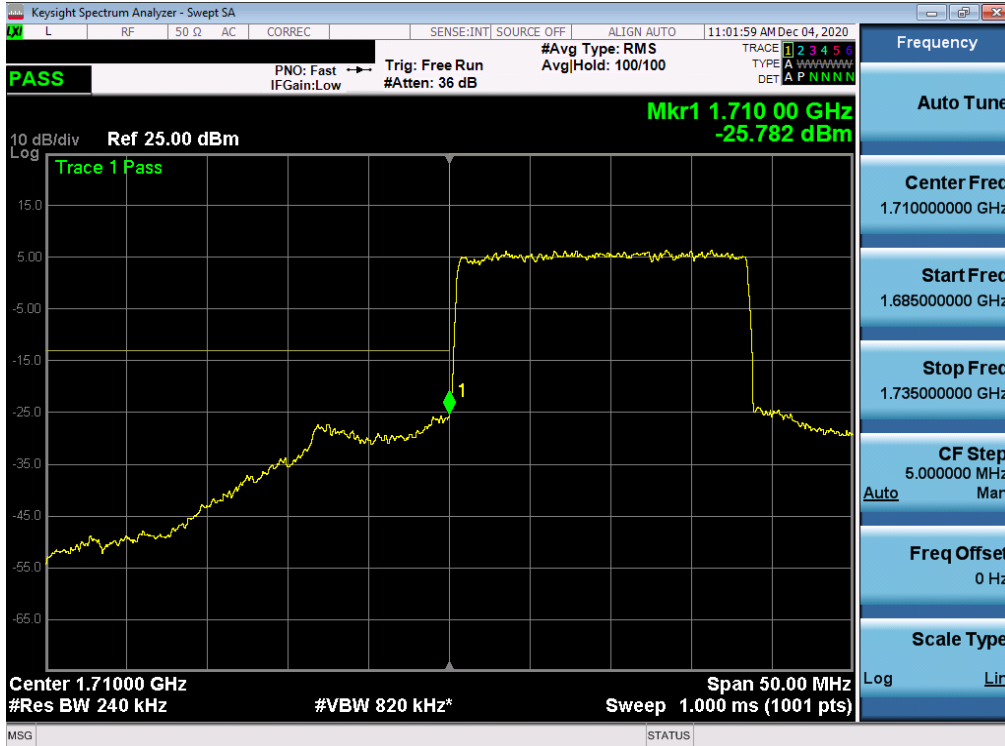


Plot 7-304. Lower Band Edge Plot (NR Band n66 Ant I – 30.0MHz - Full RB)

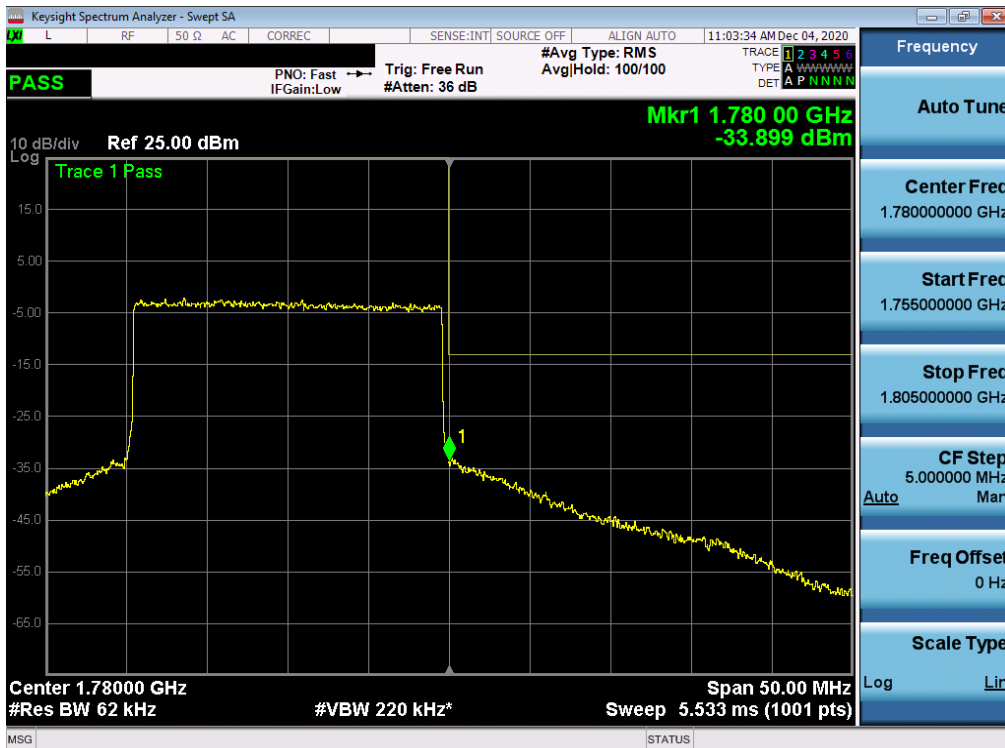


Plot 7-305. Upper Band Edge Plot (NR Band n66 Ant I – 30.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 179 of 332

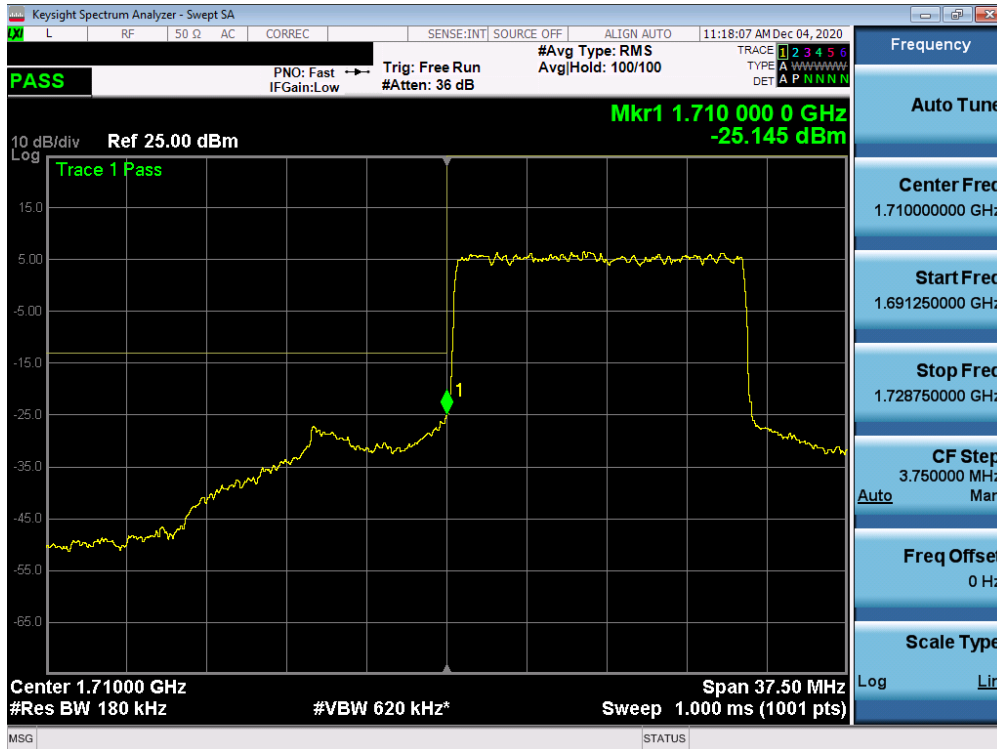


Plot 7-306. Lower Band Edge Plot (NR Band n66 Ant I – 20.0MHz - Full RB)



Plot 7-307. Upper Band Edge Plot (NR Band n66 Ant I – 20.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 180 of 332



Plot 7-308. Lower Band Edge Plot (NR Band n66 Ant I – 15.0MHz - Full RB)



Plot 7-309. Upper Band Edge Plot (NR Band n66 Ant I – 15.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 181 of 332



Plot 7-310. Lower Band Edge Plot (NR Band n66 Ant I – 10.0MHz - Full RB)



Plot 7-311. Upper Band Edge Plot (NR Band n66 Ant I – 10.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 182 of 332



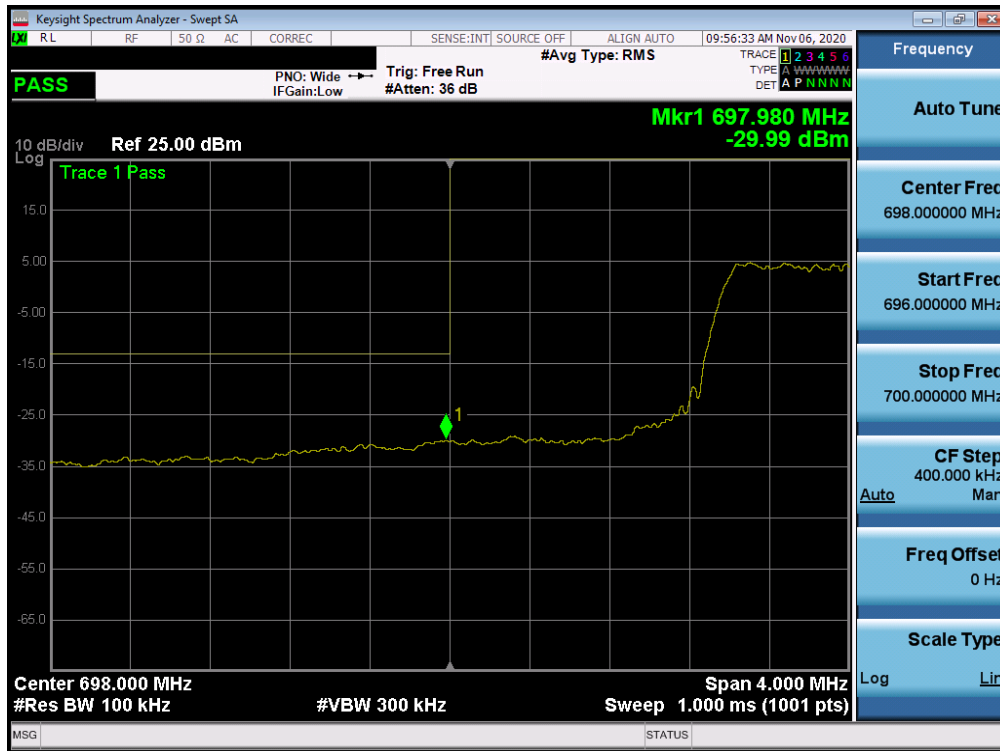
Plot 7-312. Lower Band Edge Plot (NR Band n66 Ant I – 5.0MHz - Full RB)



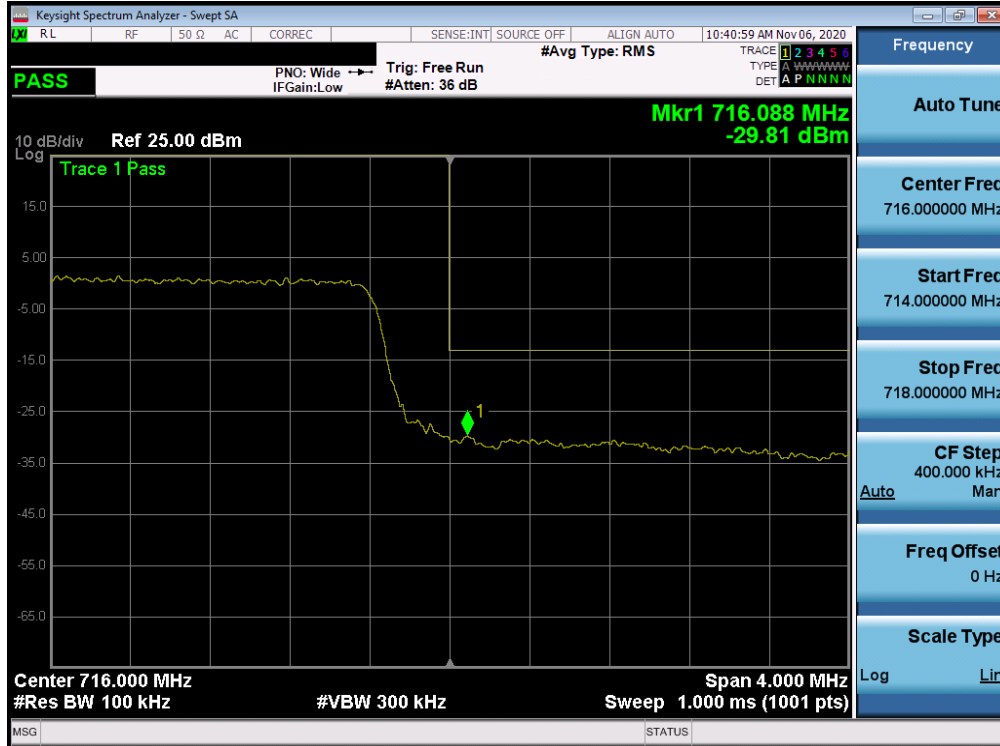
Plot 7-313. Upper Band Edge Plot (NR Band n66 Ant I – 5.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 183 of 332

NR Band n12

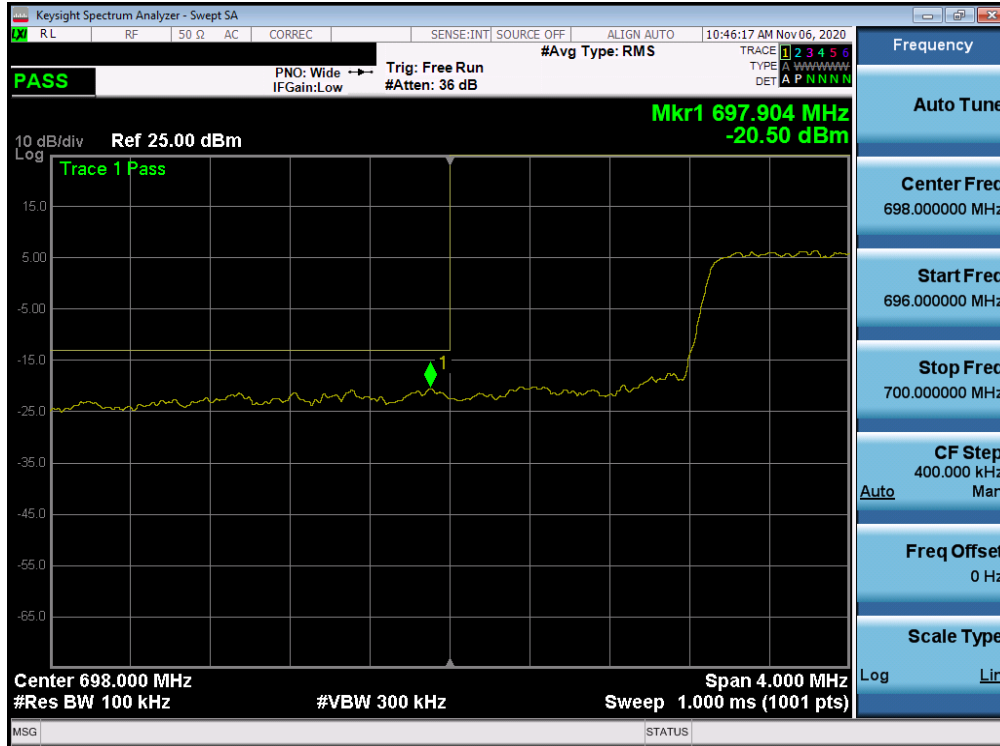


Plot 7-314. Lower Band Edge Plot (NR Band n12 – 15.0MHz - Full RB)

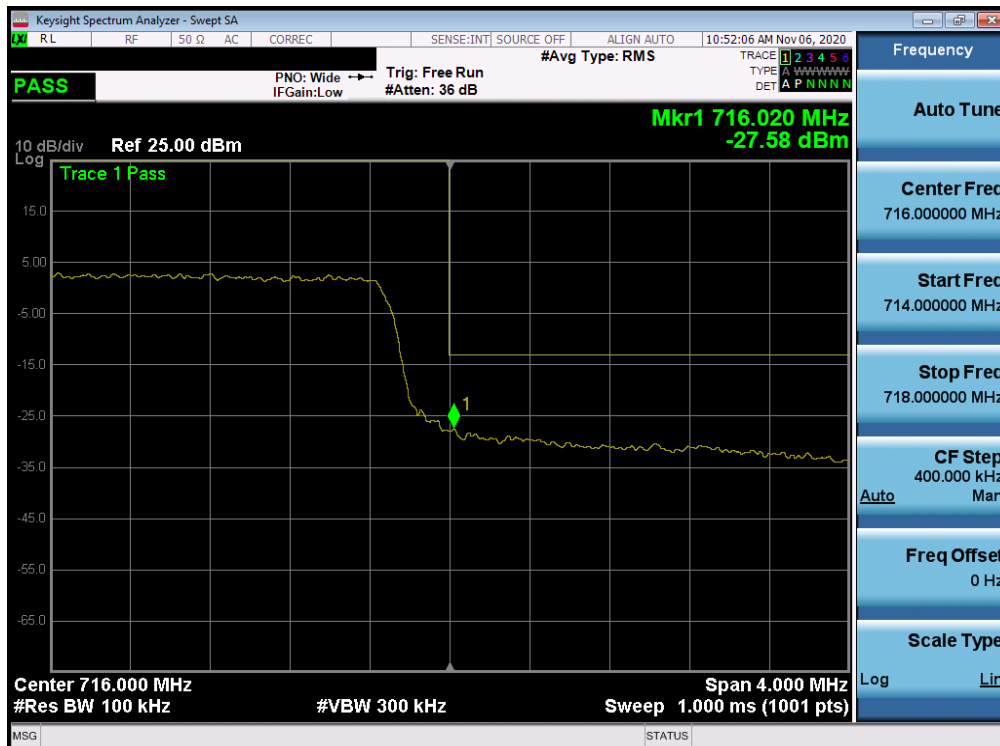


Plot 7-315. Upper Band Edge Plot (NR Band n12 – 15.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 184 of 332

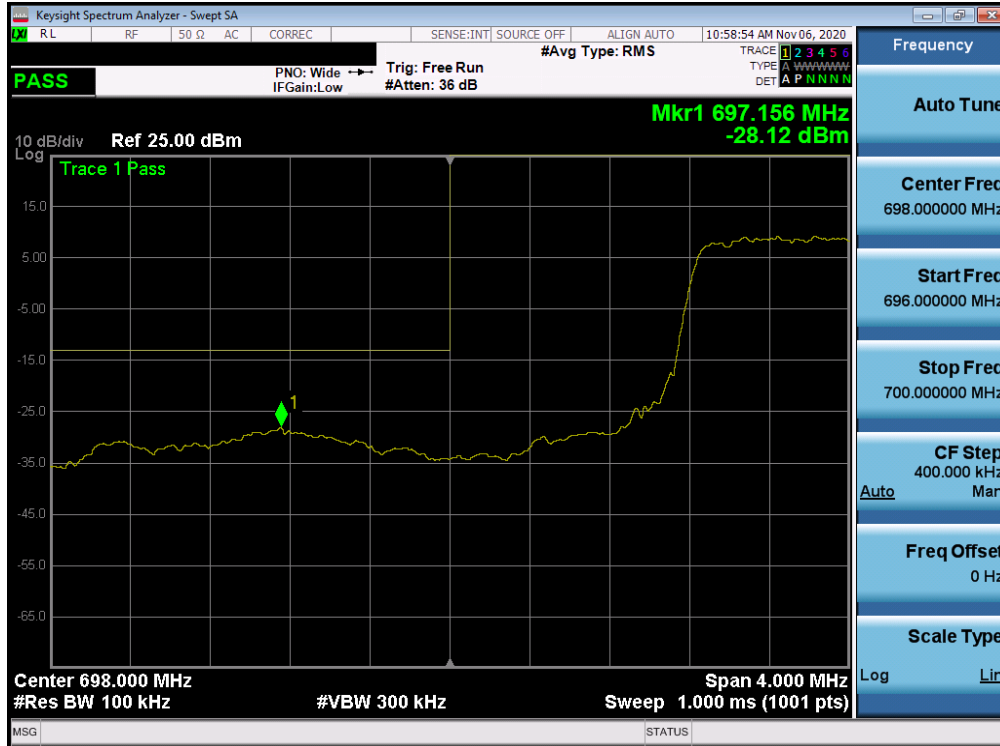


Plot 7-316. Lower Band Edge Plot (NR Band n12 – 10.0MHz - Full RB)



Plot 7-317. Upper Band Edge Plot (NR Band n12 – 10.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 185 of 332



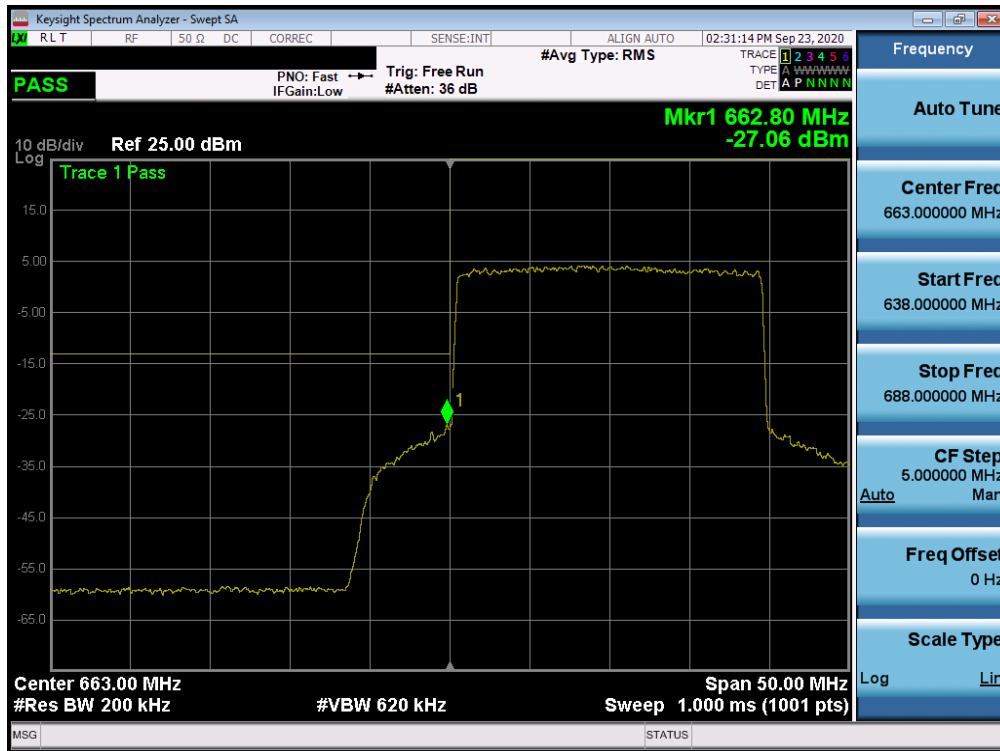
Plot 7-318. Lower Band Edge Plot (NR Band n12 – 5.0MHz - Full RB)



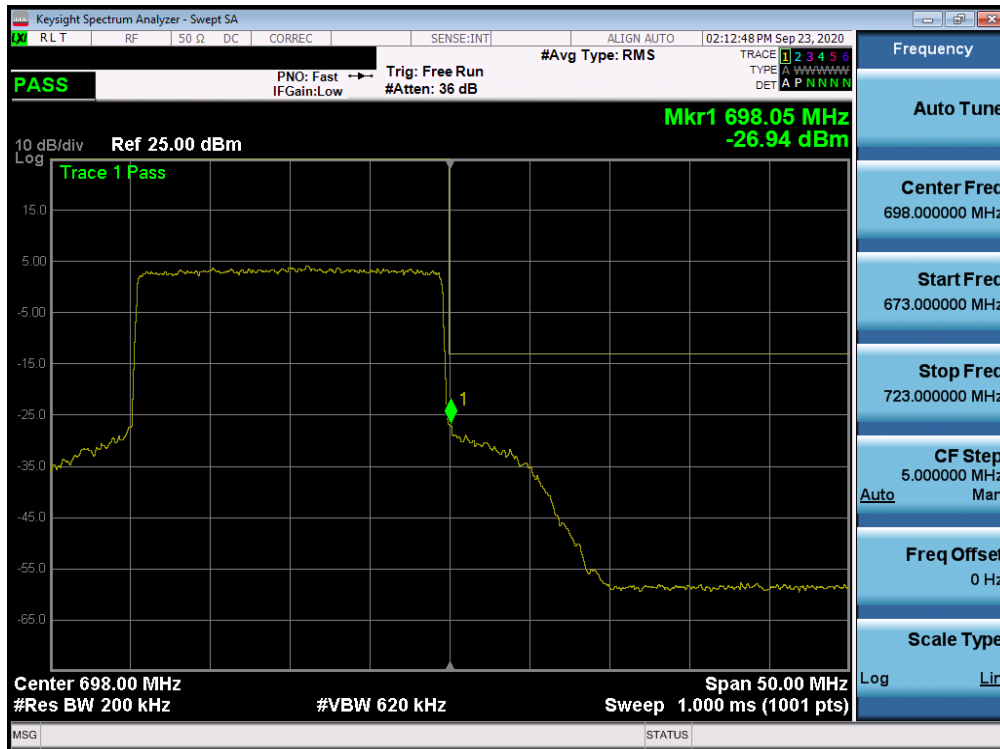
Plot 7-319. Upper Band Edge Plot (NR Band n12 – 5.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 186 of 332

NR Band n71

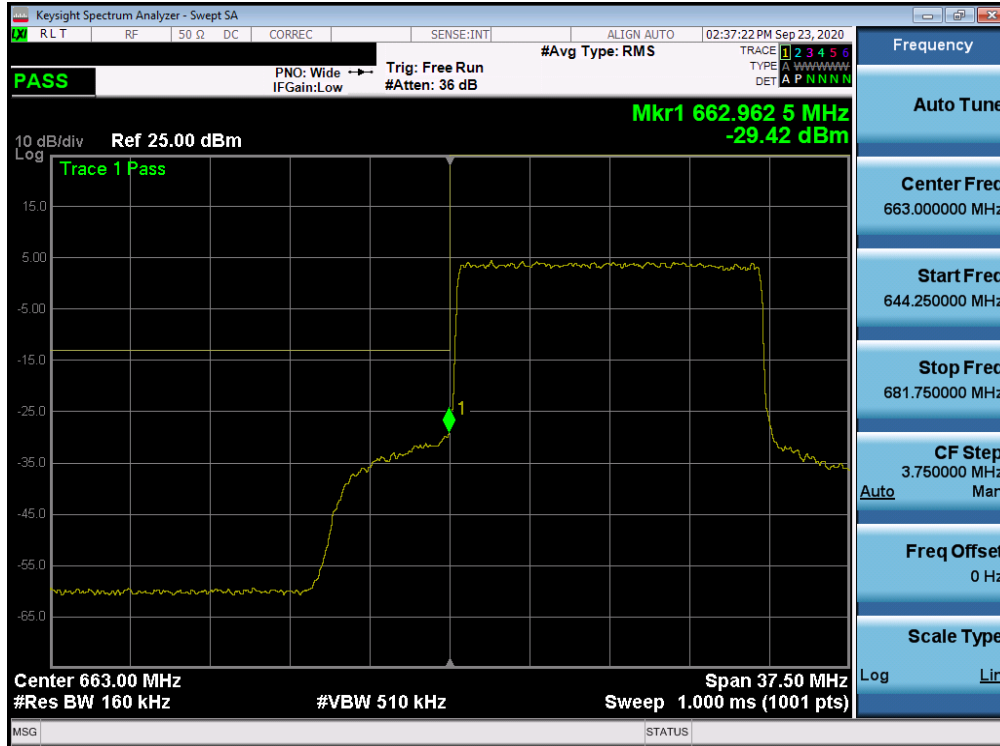


Plot 7-320. Lower Band Edge Plot (NR Band n71 – 20.0MHz - Full RB)



Plot 7-321. Upper Band Edge Plot (NR Band n71 – 20.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 187 of 332

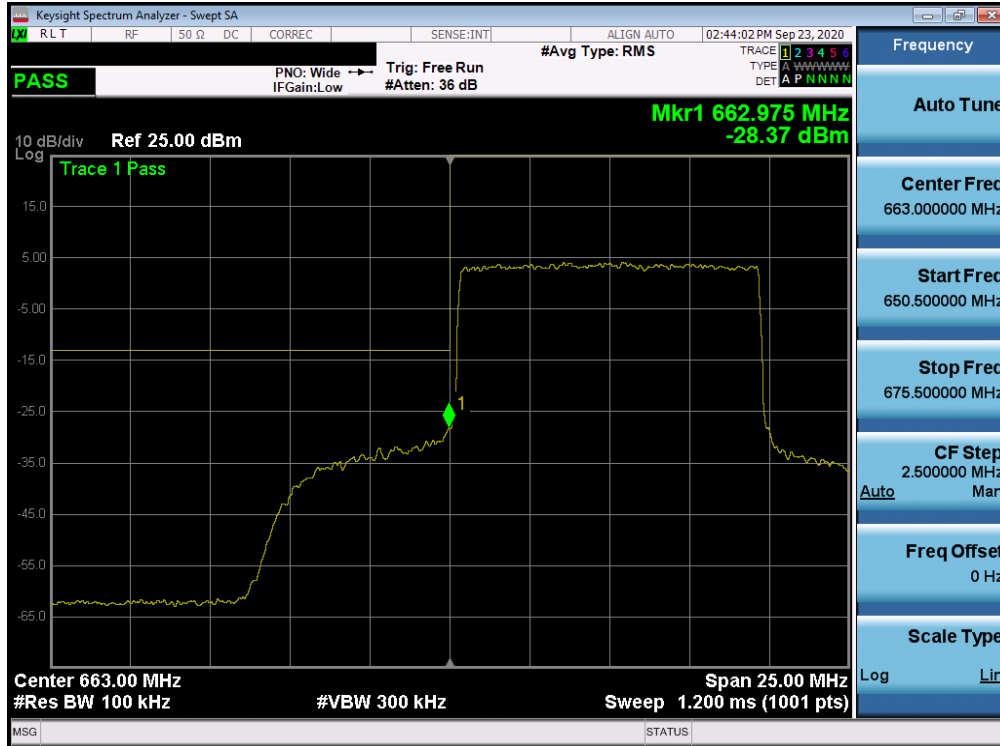


Plot 7-322. Lower Band Edge Plot (NR Band n71 – 15.0MHz - Full RB)

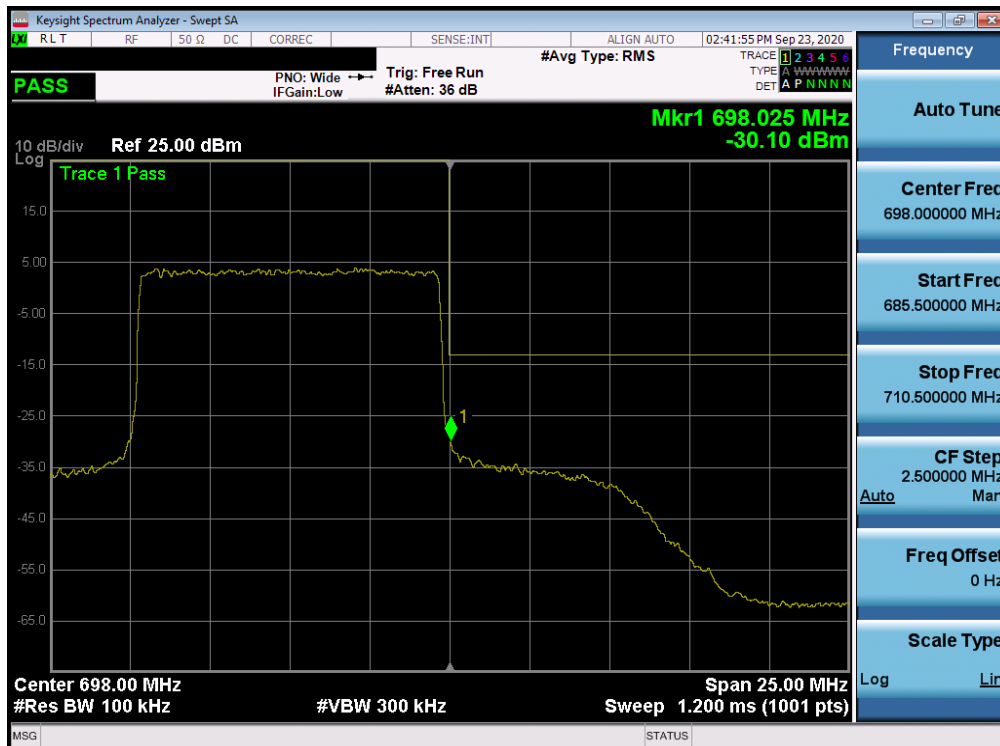


Plot 7-323. Upper Band Edge Plot (NR Band n71 – 15.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 188 of 332

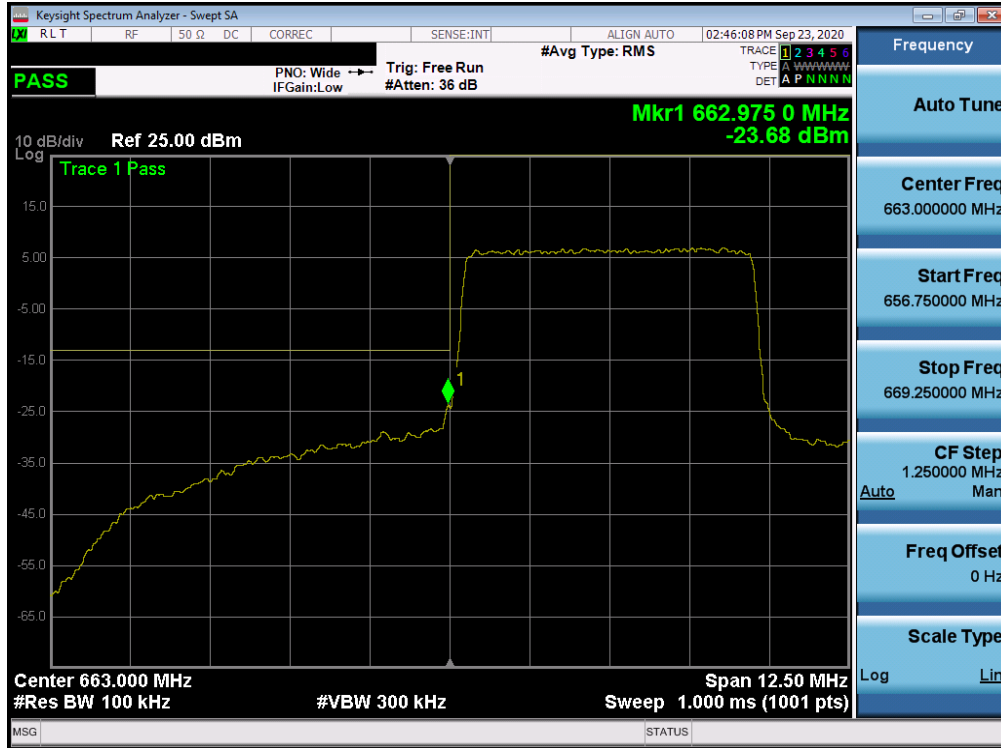


Plot 7-324. Lower Band Edge Plot (NR Band n71 – 10.0MHz - Full RB)



Plot 7-325. Upper Band Edge Plot (NR Band n71 – 10.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 189 of 332



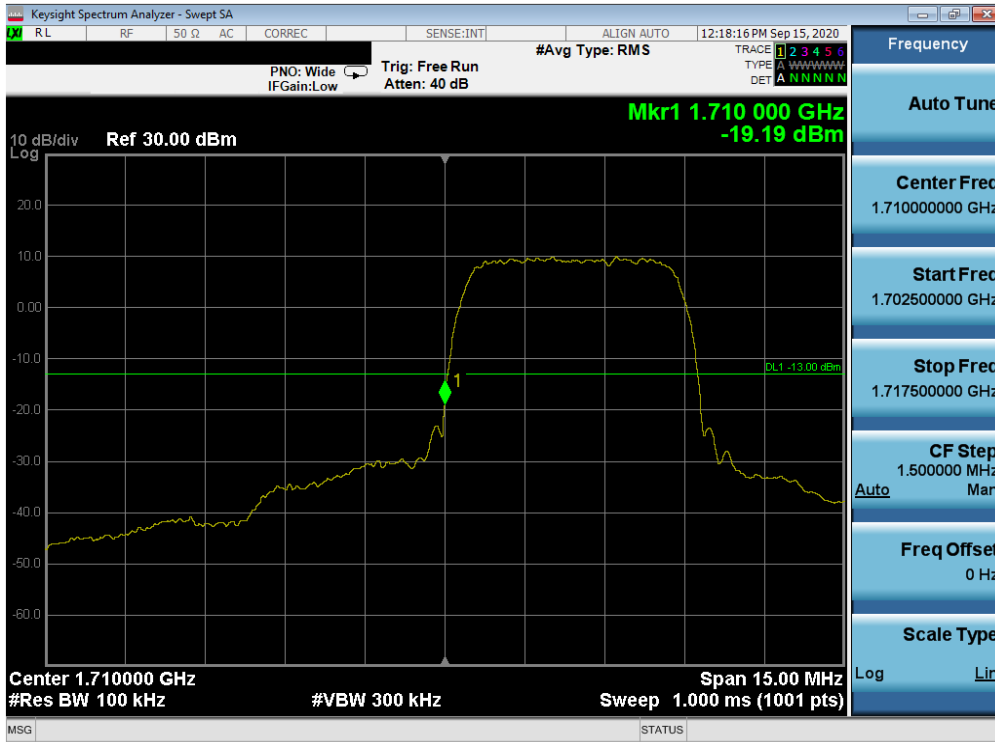
Plot 7-326. Lower Band Edge Plot (NR Band n71 – 5.0MHz - Full RB)



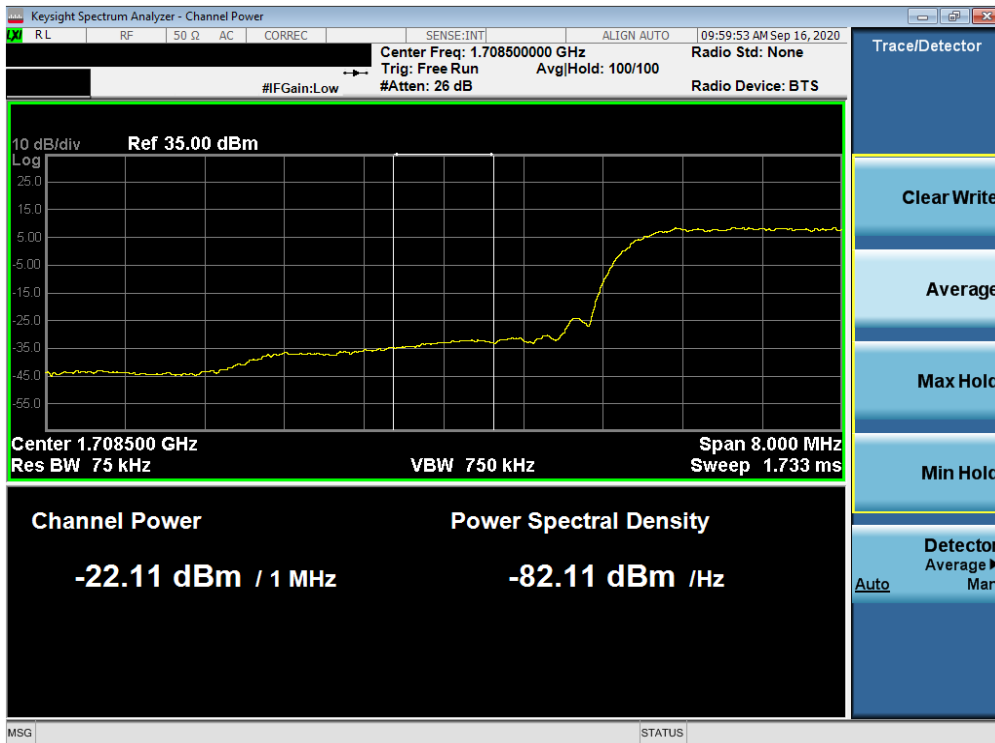
Plot 7-327. Upper Band Edge Plot (NR Band n71 – 5.0MHz - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 190 of 332

WCDMA AWS



Plot 7-328. Lower Band Edge Plot (WCDMA AWS – Ch. 1312)

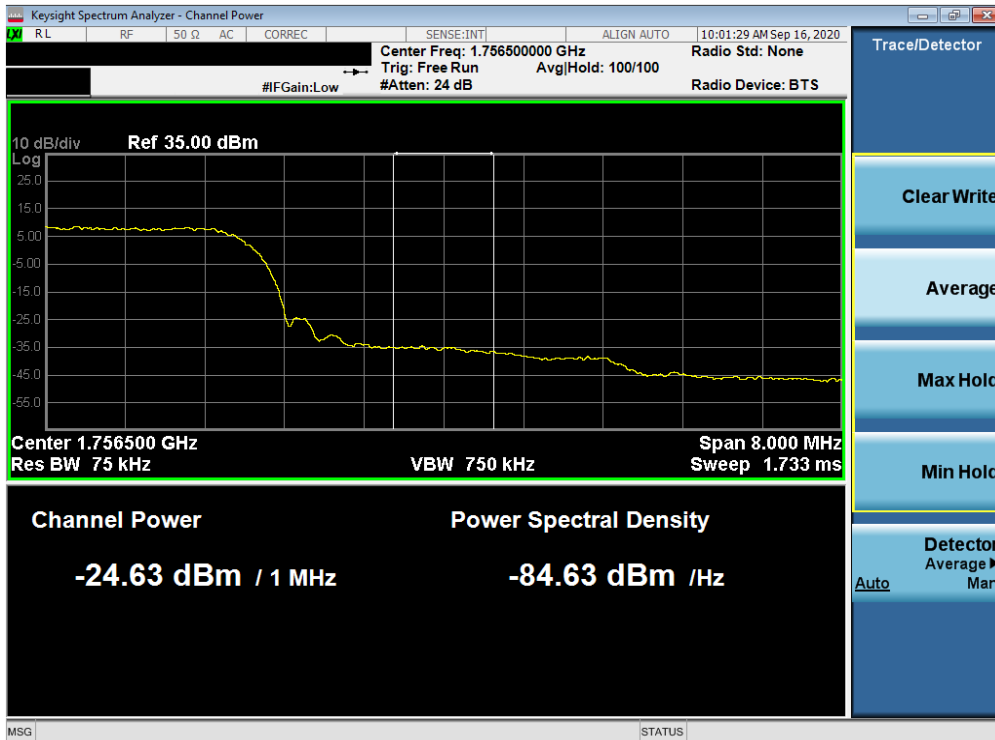


Plot 7-329. Lower Extended Band Edge Plot (WCDMA AWS – Ch. 1312)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 191 of 332



Plot 7-330. Upper Band Edge Plot (WCDMA AWS – Ch. 1513)



Plot 7-331. Upper Extended Band Edge Plot (WCDMA AWS – Ch. 1513)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 192 of 332

7.5 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

Test Settings

1. The signal analyzer’s CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW \geq OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal “RF Burst” trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the “on time” of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

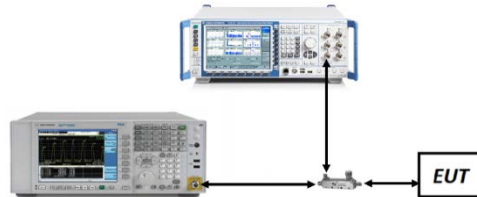


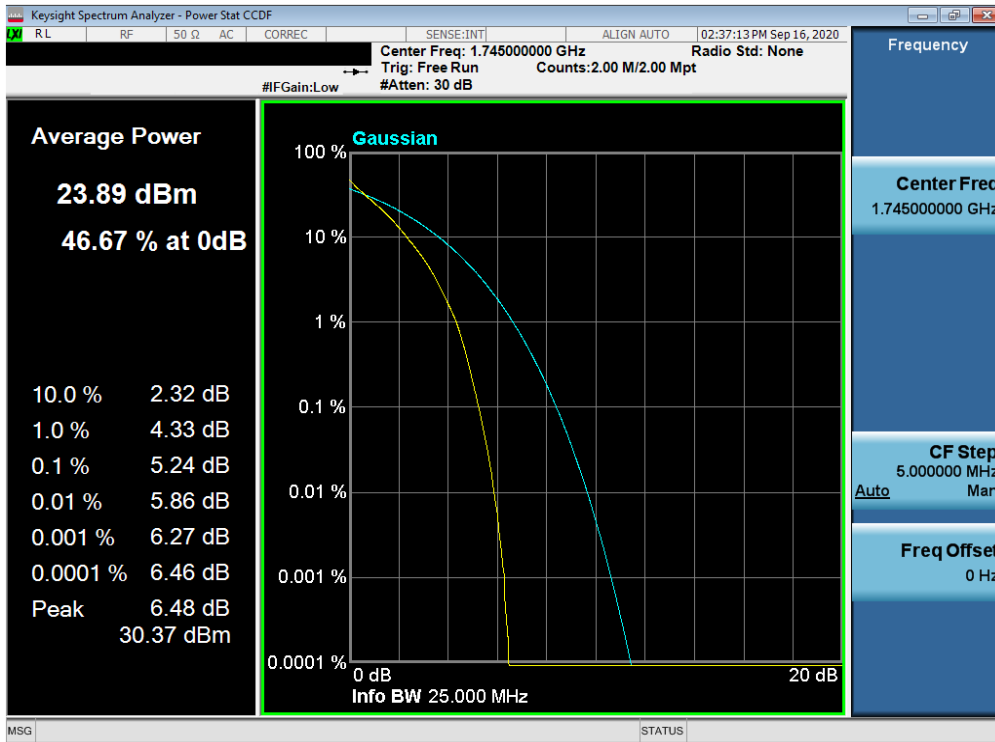
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

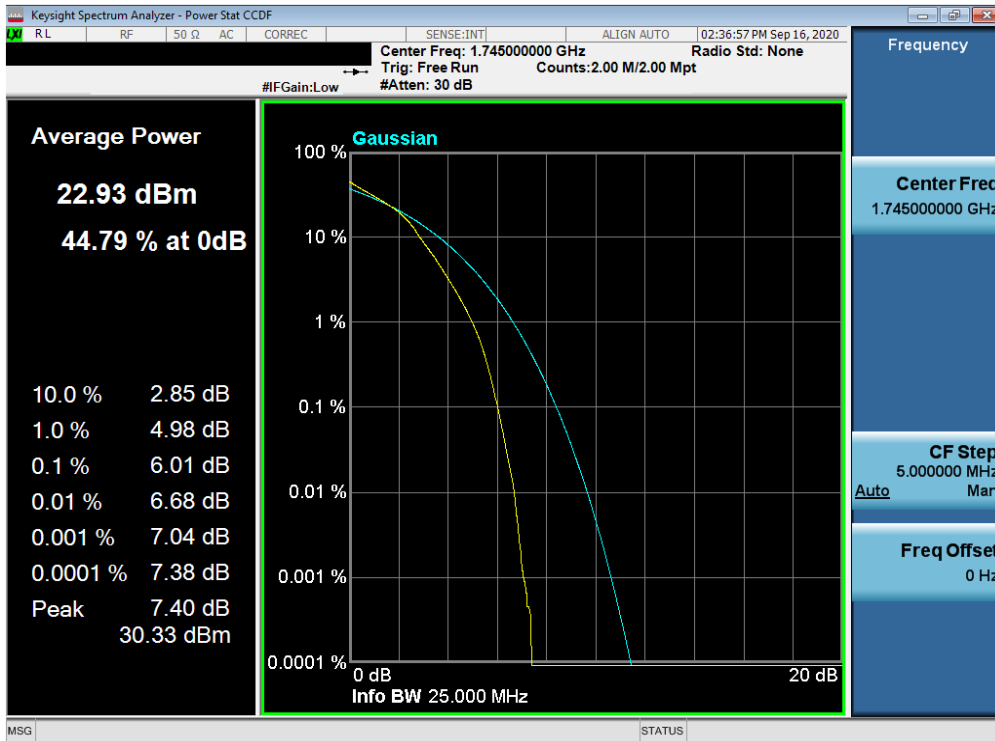
None.

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 193 of 332

LTE Band 66/4

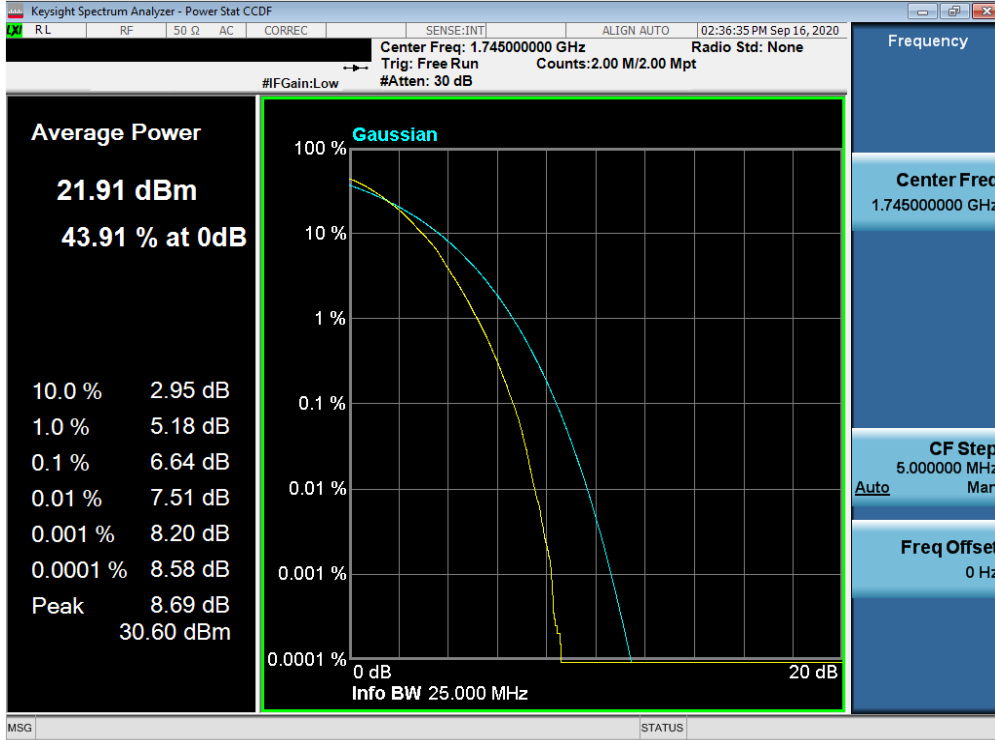


Plot 7-332. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB Configuration)

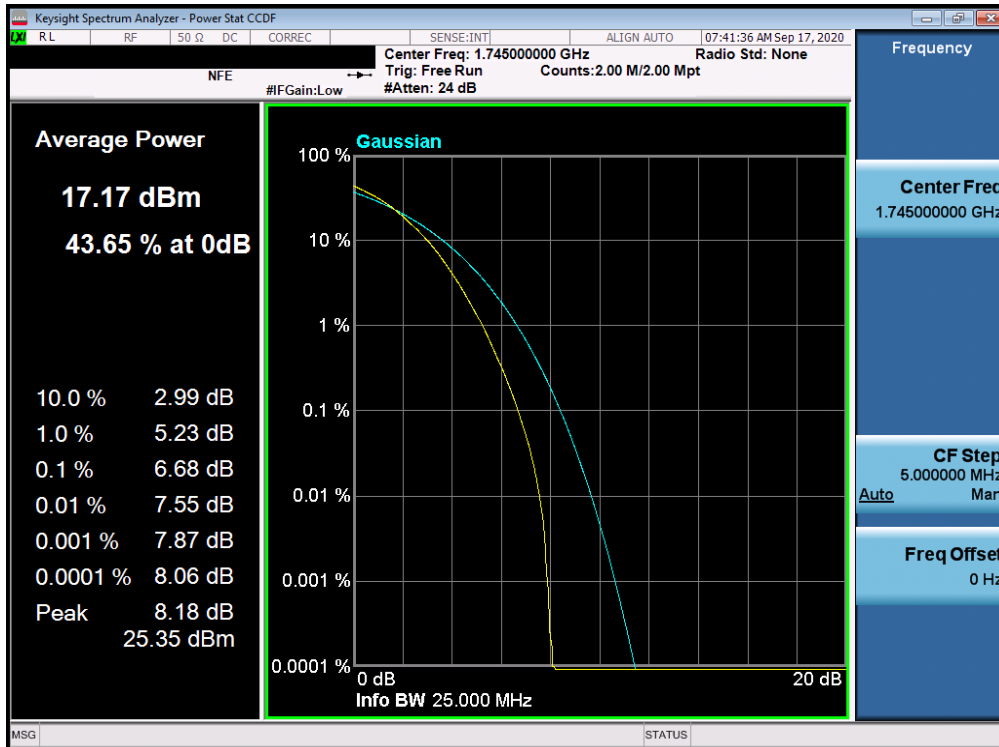


Plot 7-333. PAR Plot (LTE Band 66/4 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 194 of 332

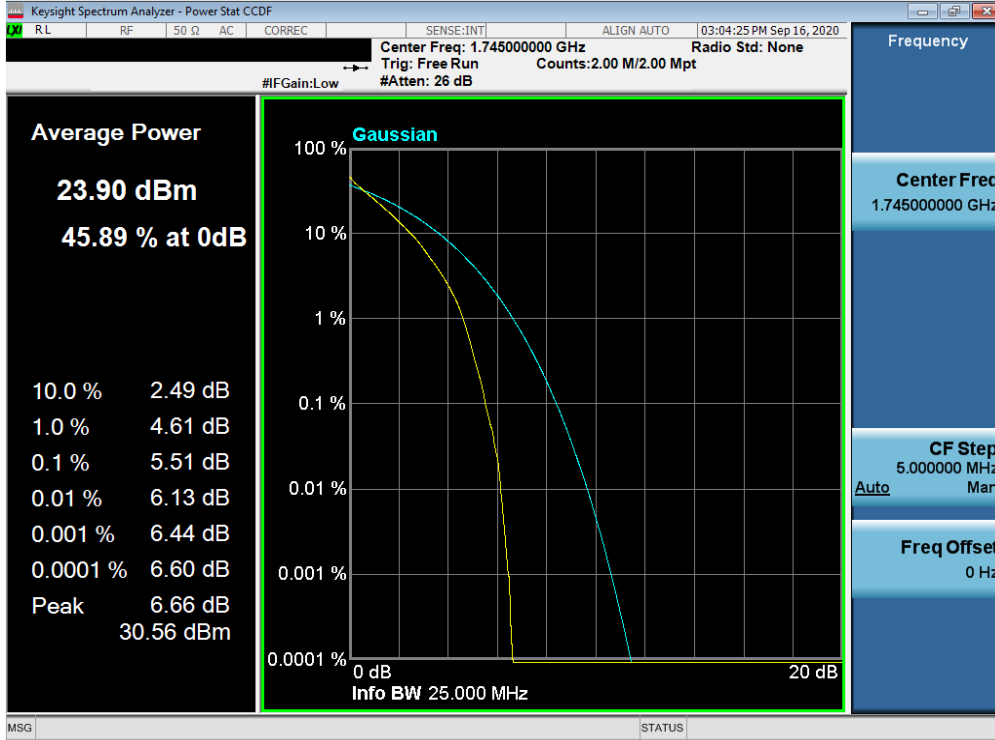


Plot 7-334. PAR Plot (LTE Band 66/4 - 20MHz 64-QAM - Full RB Configuration)

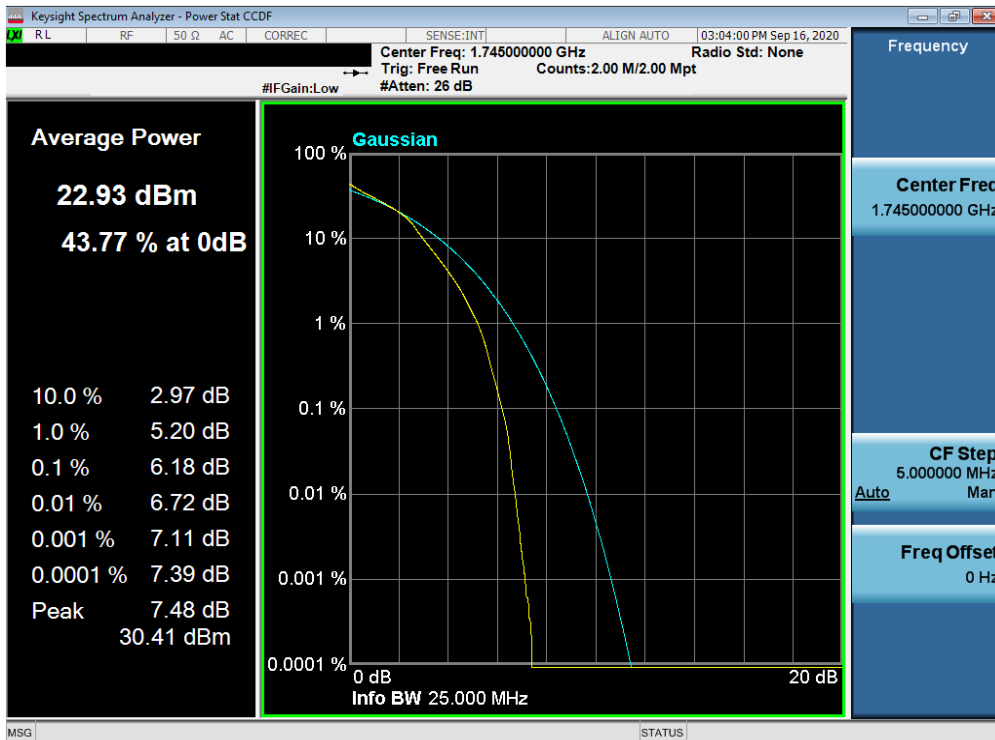


Plot 7-335. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 195 of 332

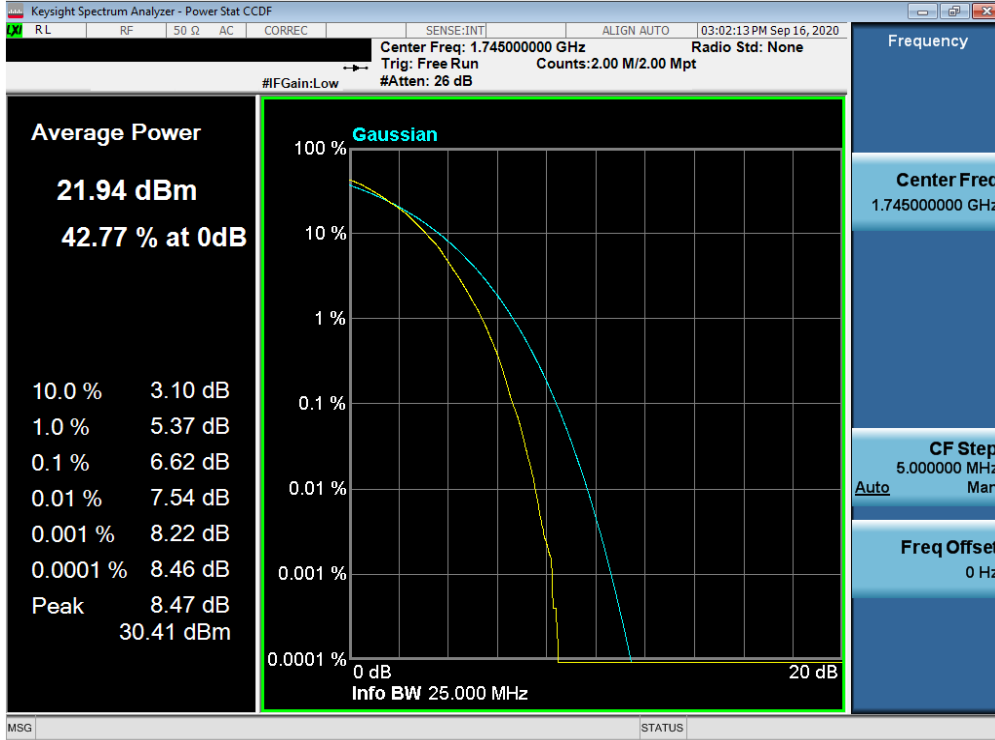


Plot 7-336. PAR Plot (LTE Band 66/4 - 15MHz QPSK - Full RB Configuration)

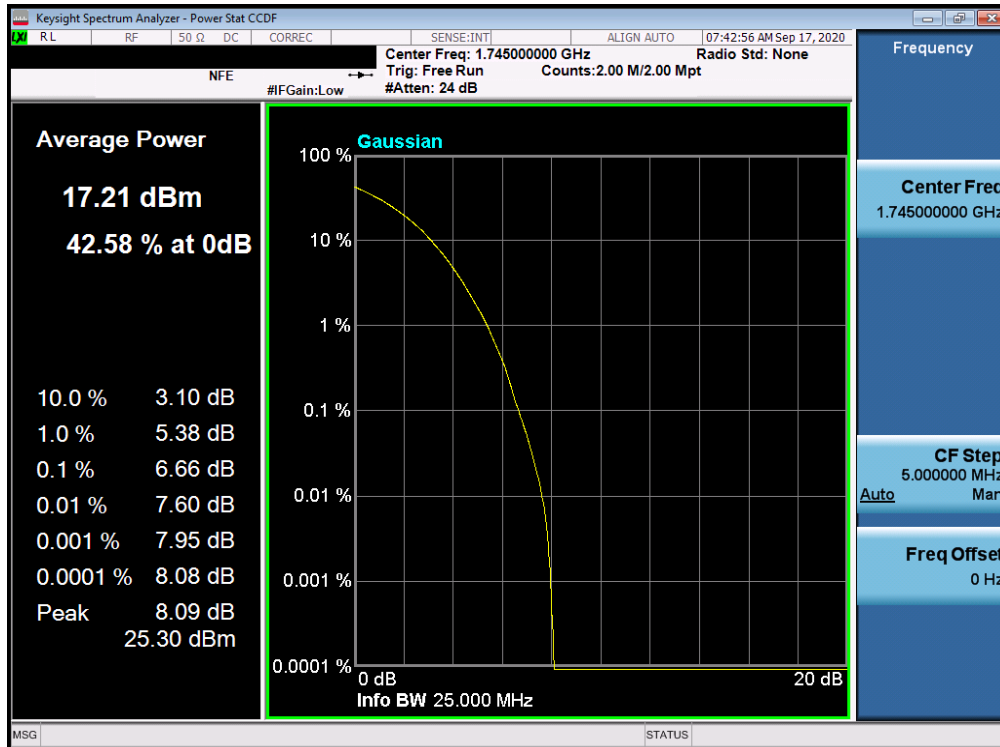


Plot 7-337. PAR Plot (LTE Band 66/4 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 196 of 332

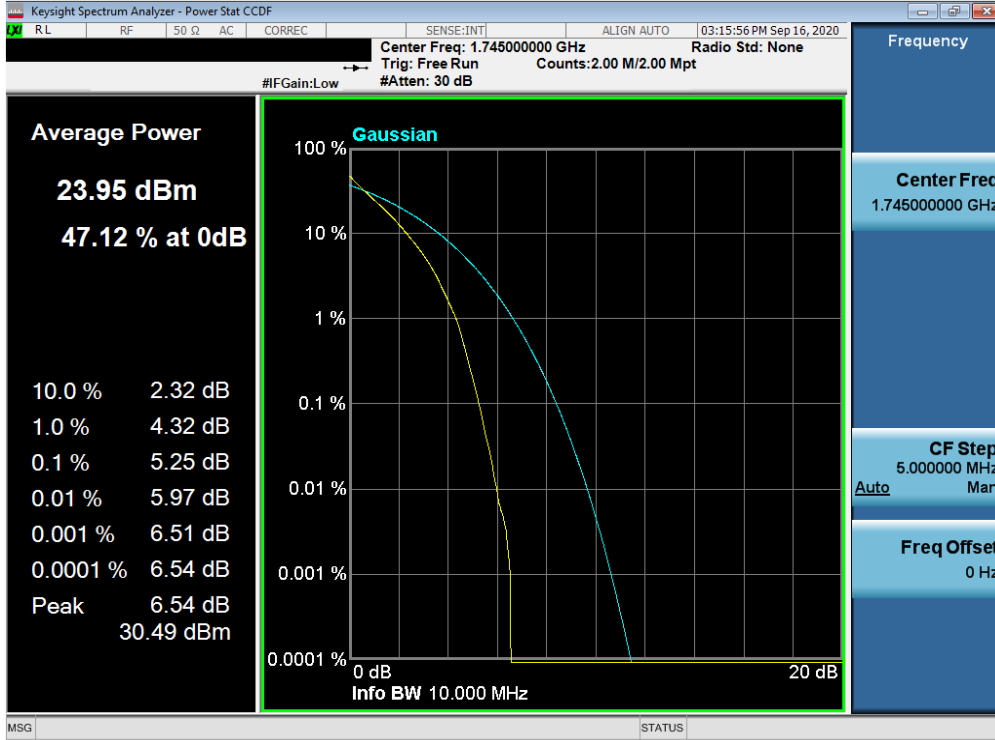


Plot 7-338. PAR Plot (LTE Band 66/4 - 15MHz 64-QAM - Full RB Configuration)

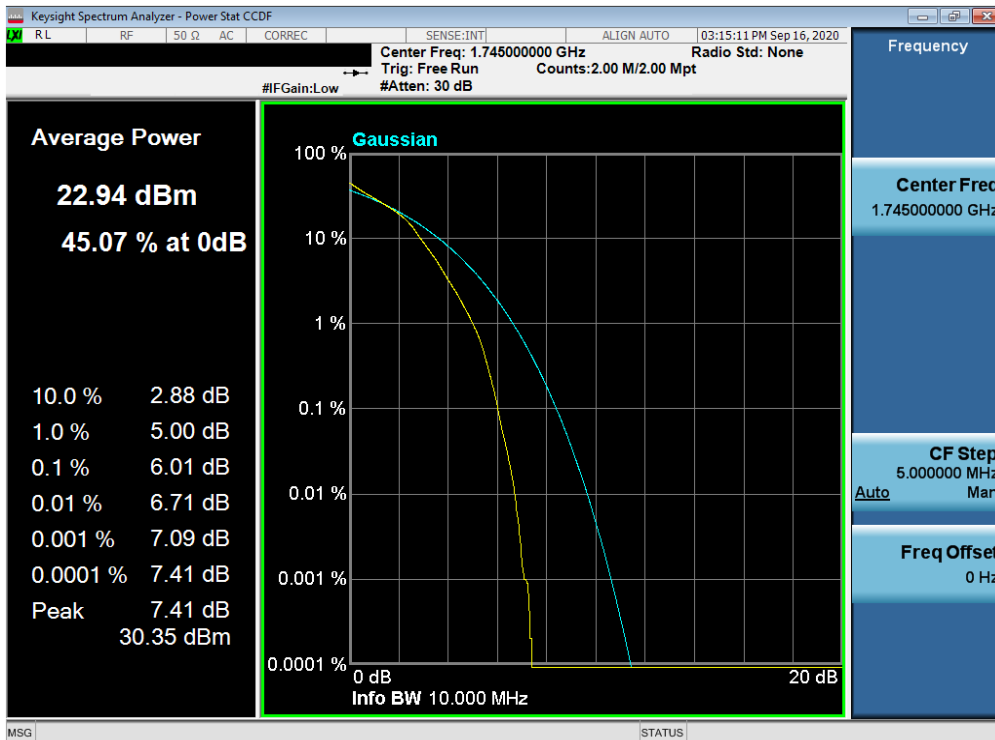


Plot 7-339. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 197 of 332

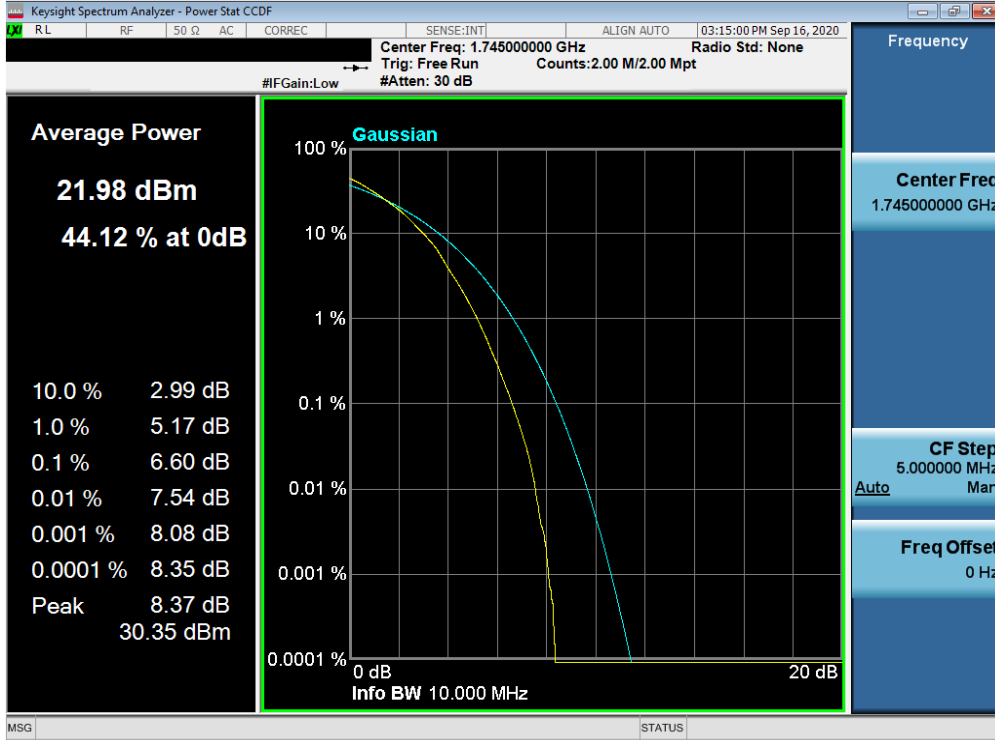


Plot 7-340. PAR Plot (LTE Band 66/4 - 10MHz QPSK - Full RB Configuration)

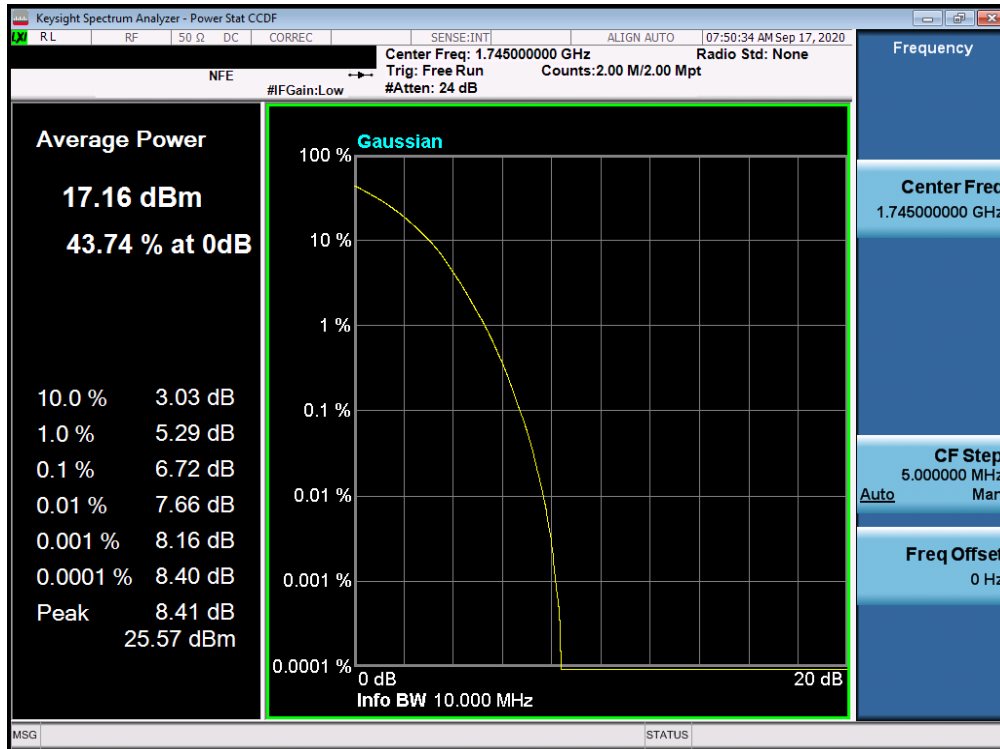


Plot 7-341. PAR Plot (LTE Band 66/4 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 198 of 332

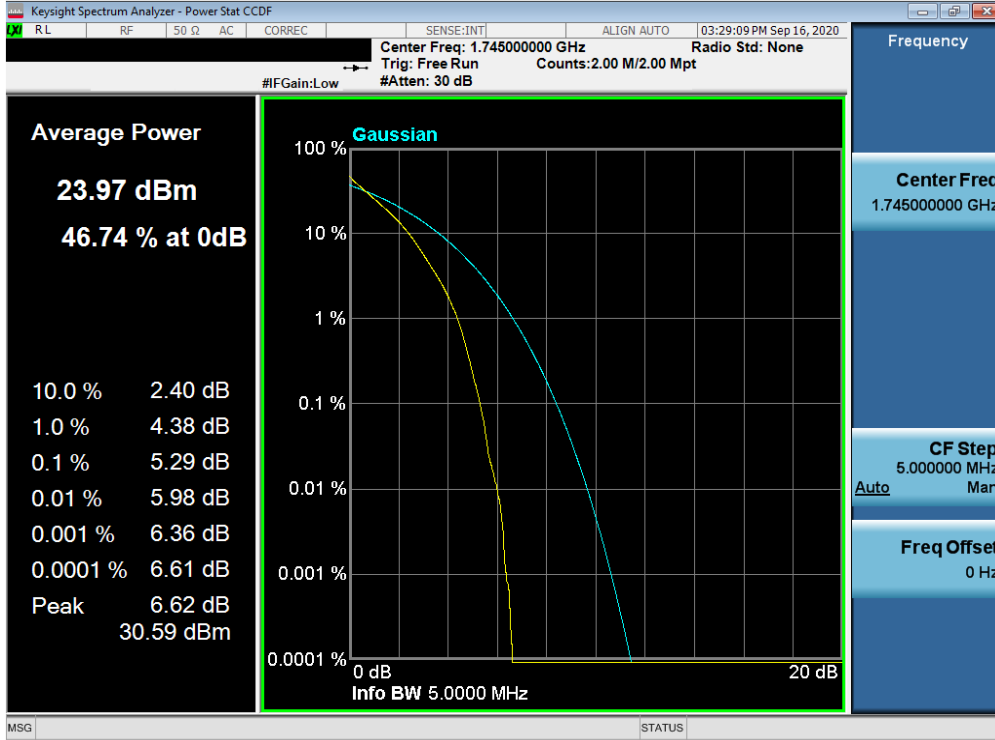


Plot 7-342. PAR Plot (LTE Band 66/4 - 10MHz 64-QAM - Full RB Configuration)

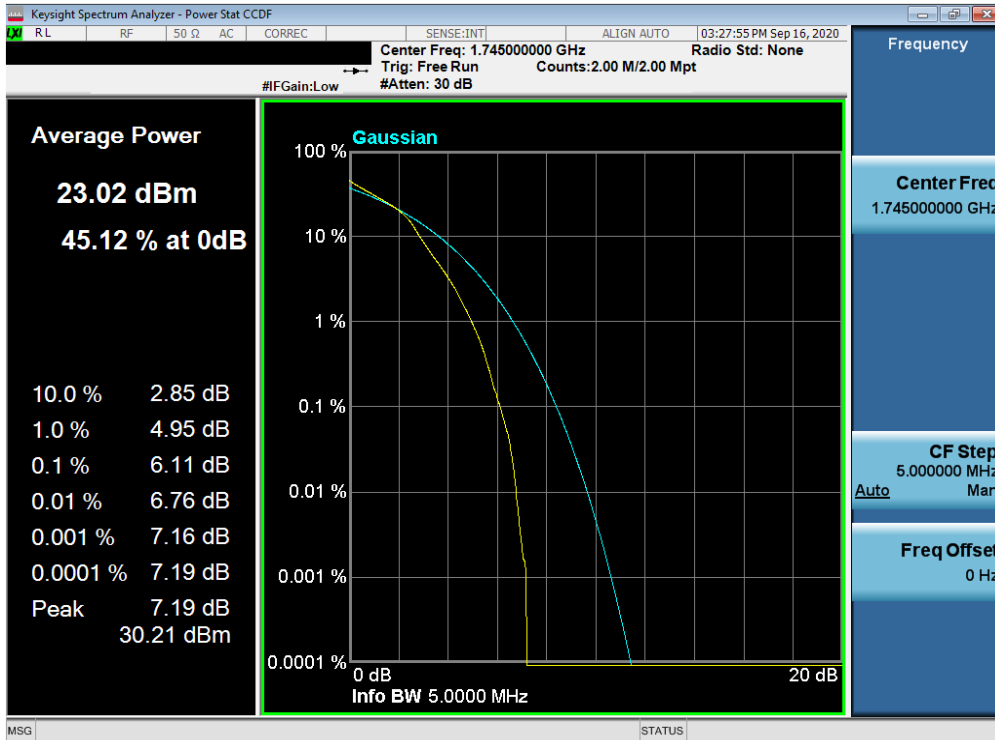


Plot 7-343. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 199 of 332

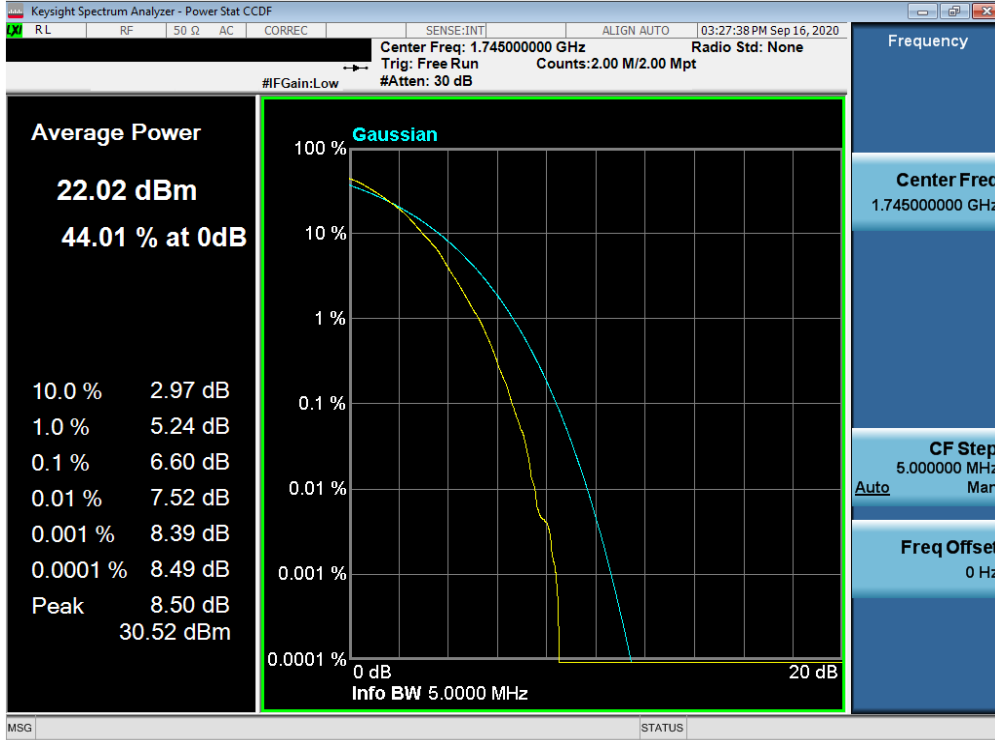


Plot 7-344. PAR Plot (LTE Band 66/4 - 5MHz QPSK - Full RB Configuration)

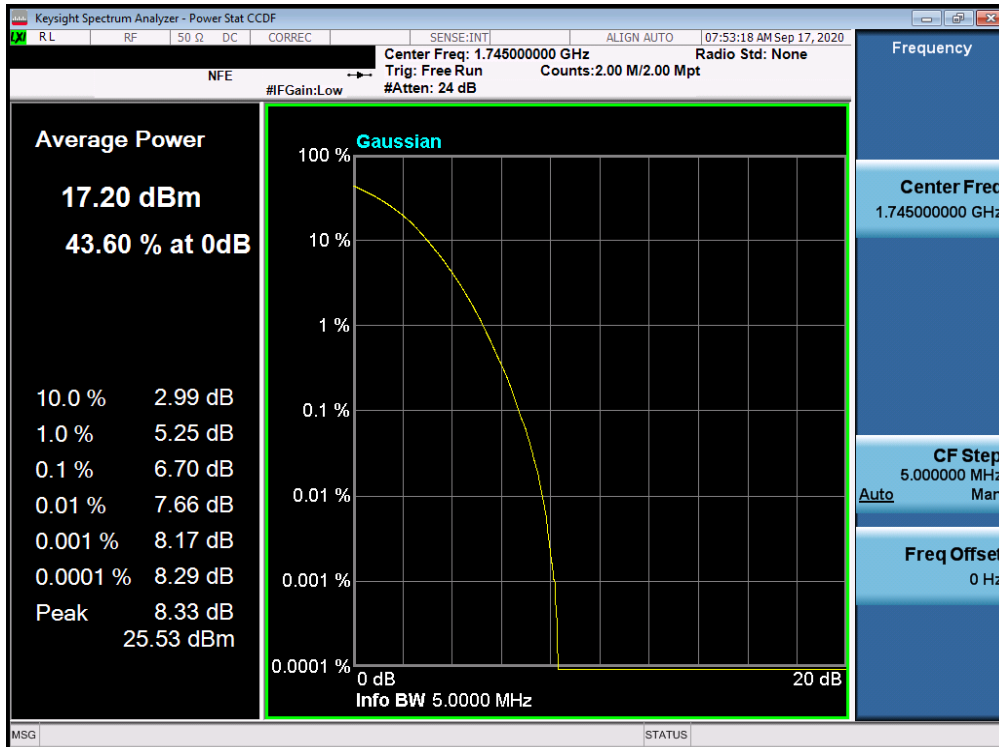


Plot 7-345. PAR Plot (LTE Band 66/4 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 200 of 332

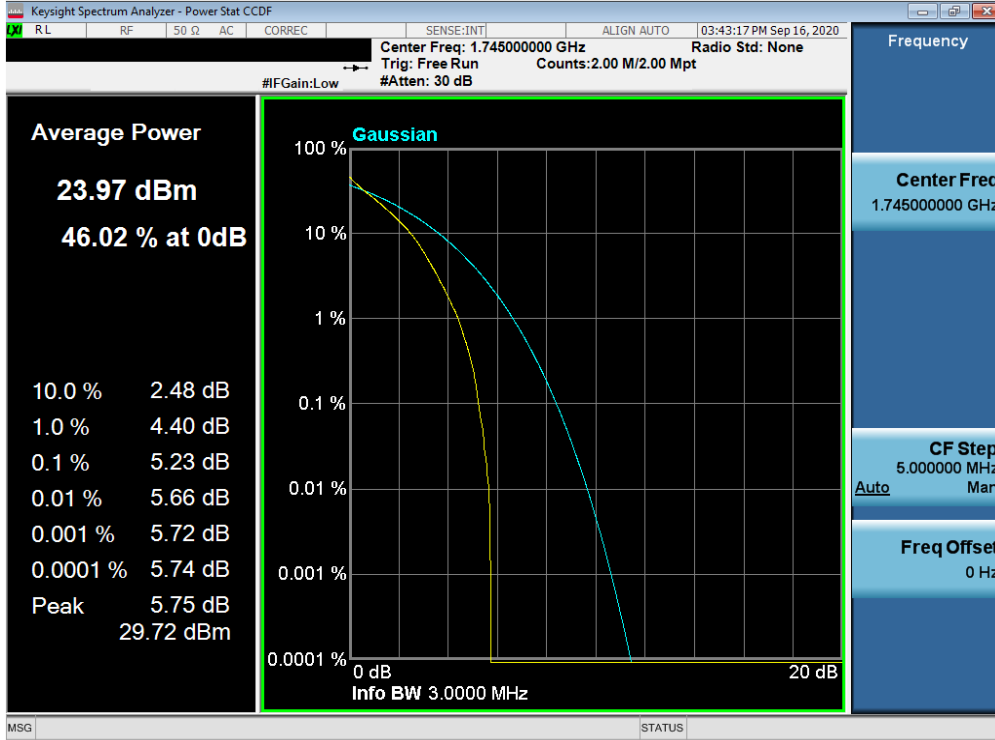


Plot 7-346. PAR Plot (LTE Band 66/4 - 5MHz 64-QAM - Full RB Configuration)

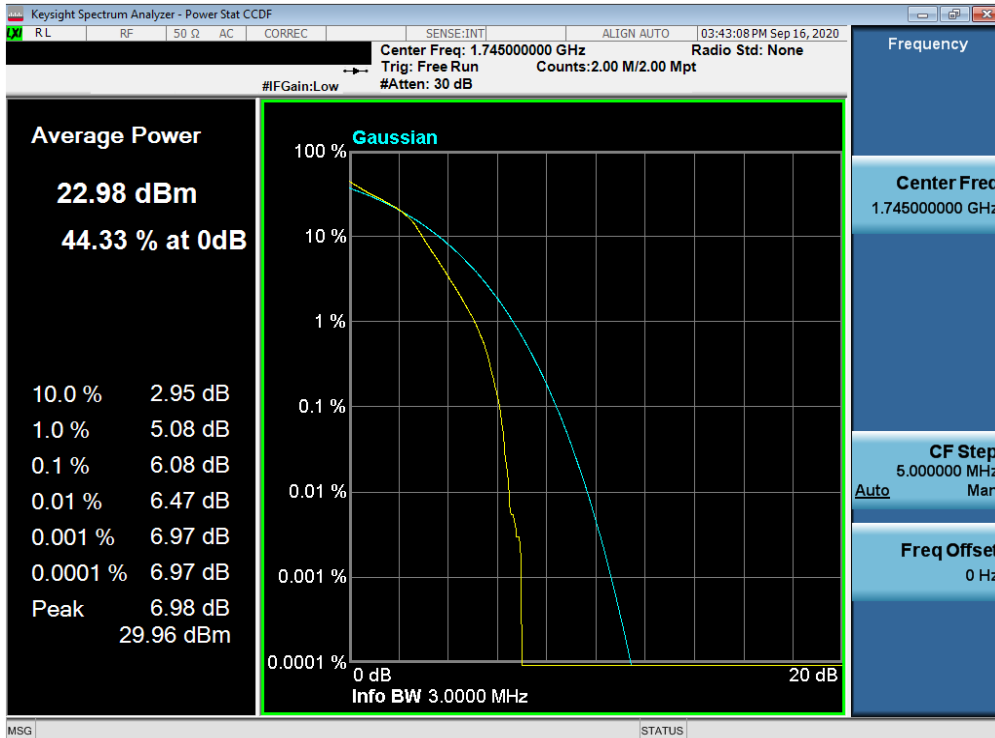


Plot 7-347. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 201 of 332

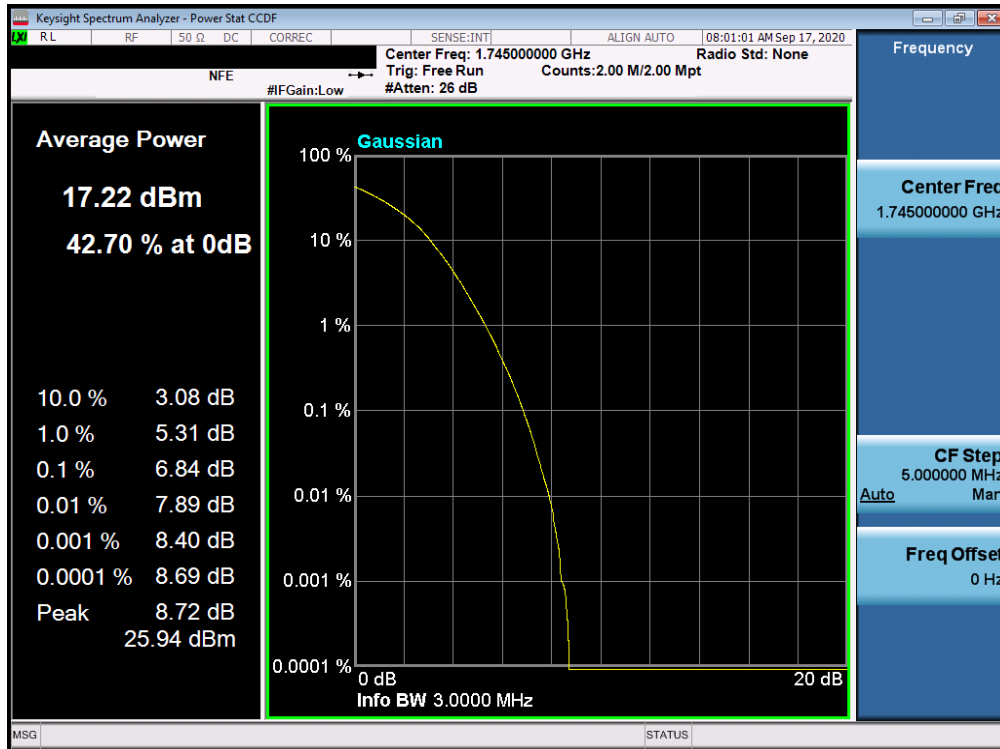
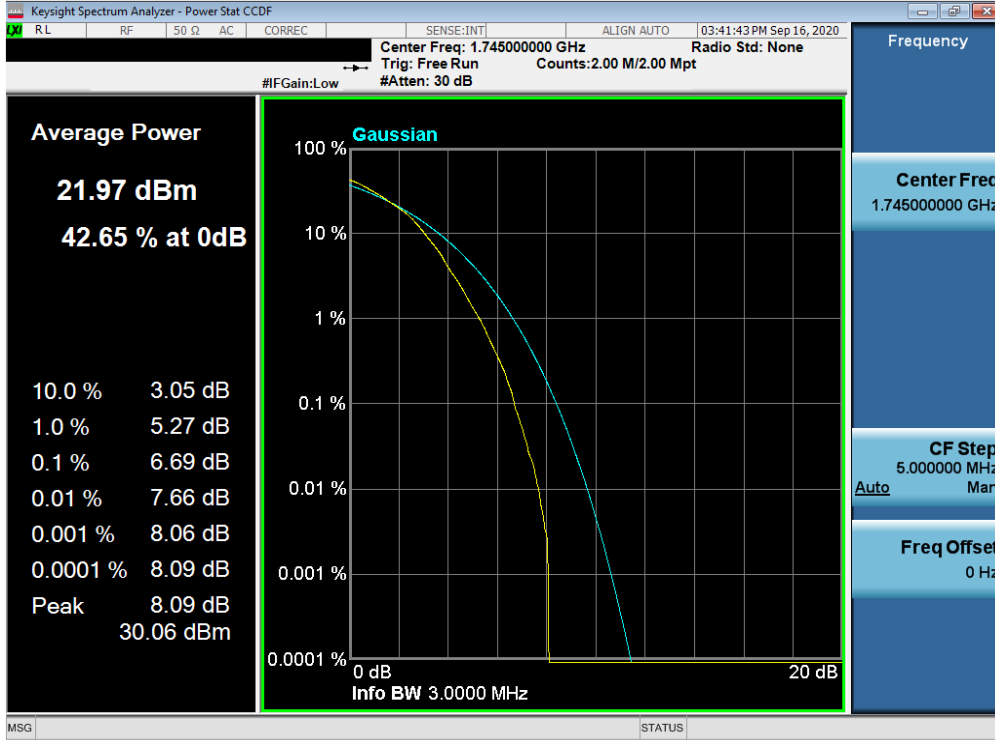


Plot 7-348. PAR Plot (LTE Band 66/4 - 3MHz QPSK - Full RB Configuration)

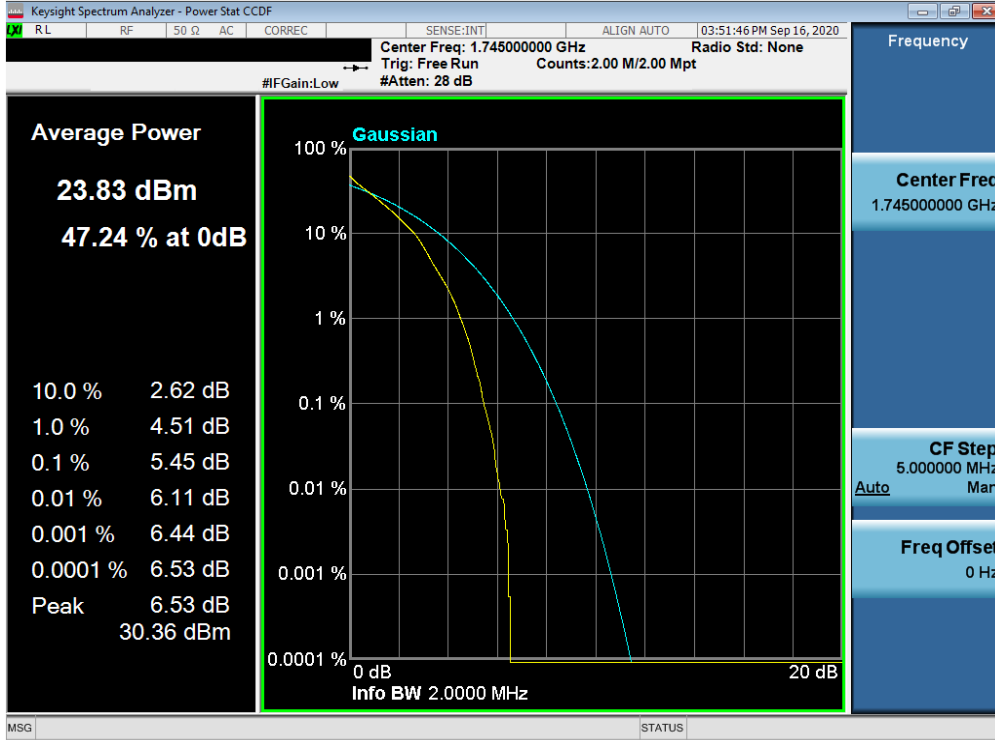


Plot 7-349. PAR Plot (LTE Band 66/4 - 3MHz 16-QAM - Full RB Configuration)

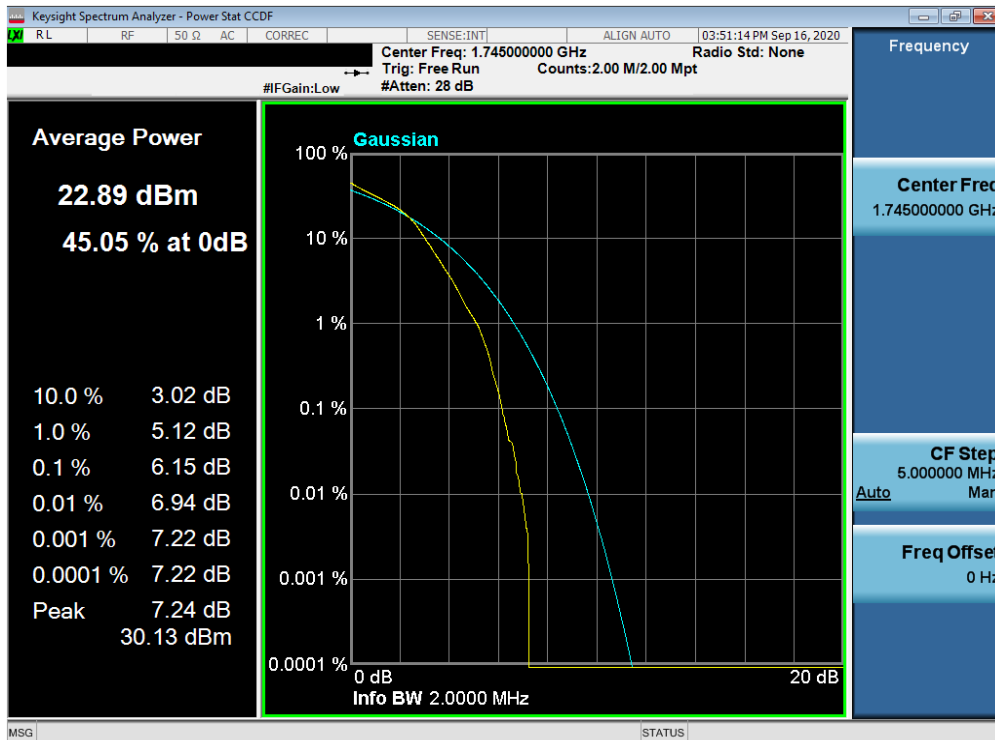
FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 202 of 332



FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 203 of 332

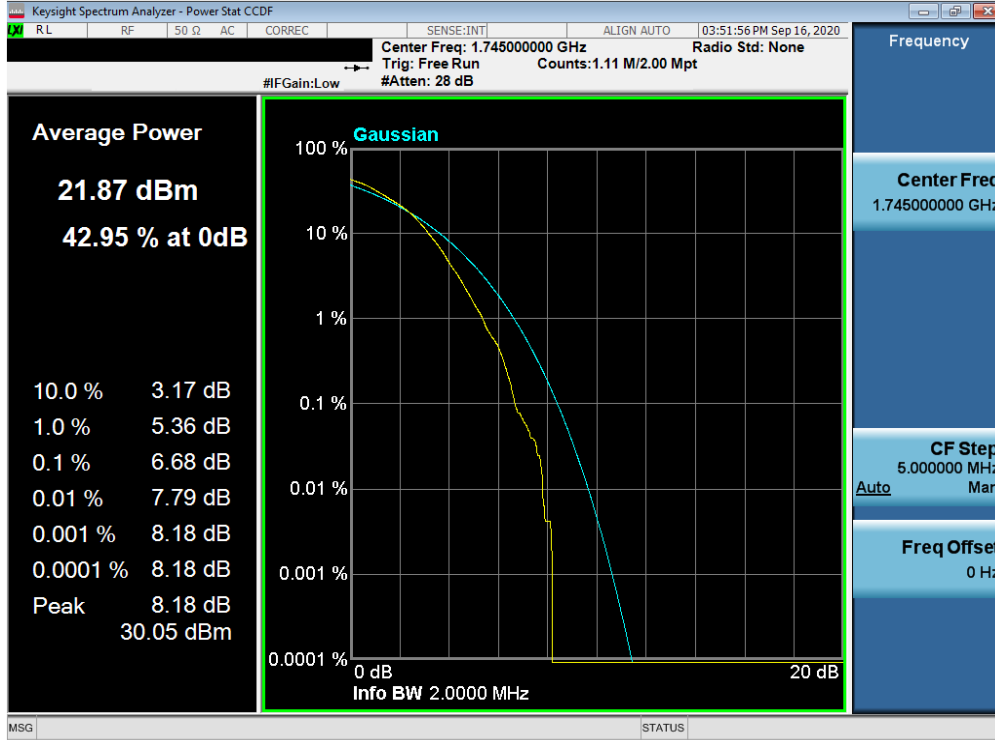


Plot 7-352. PAR Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

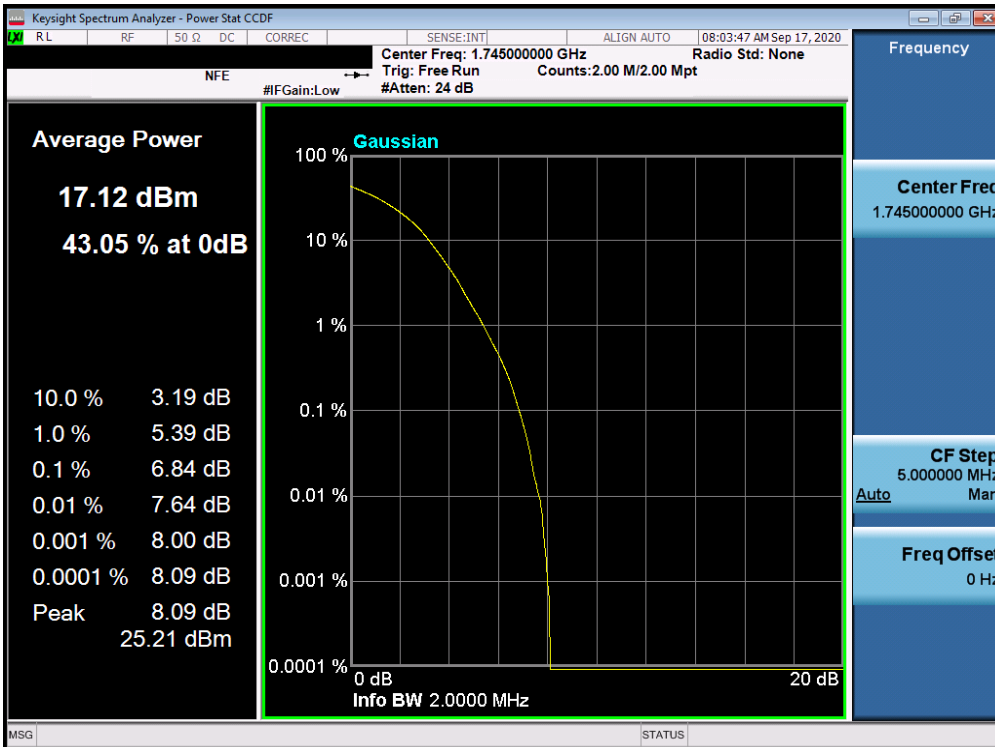


Plot 7-353. PAR Plot (LTE Band 66/4 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 204 of 332



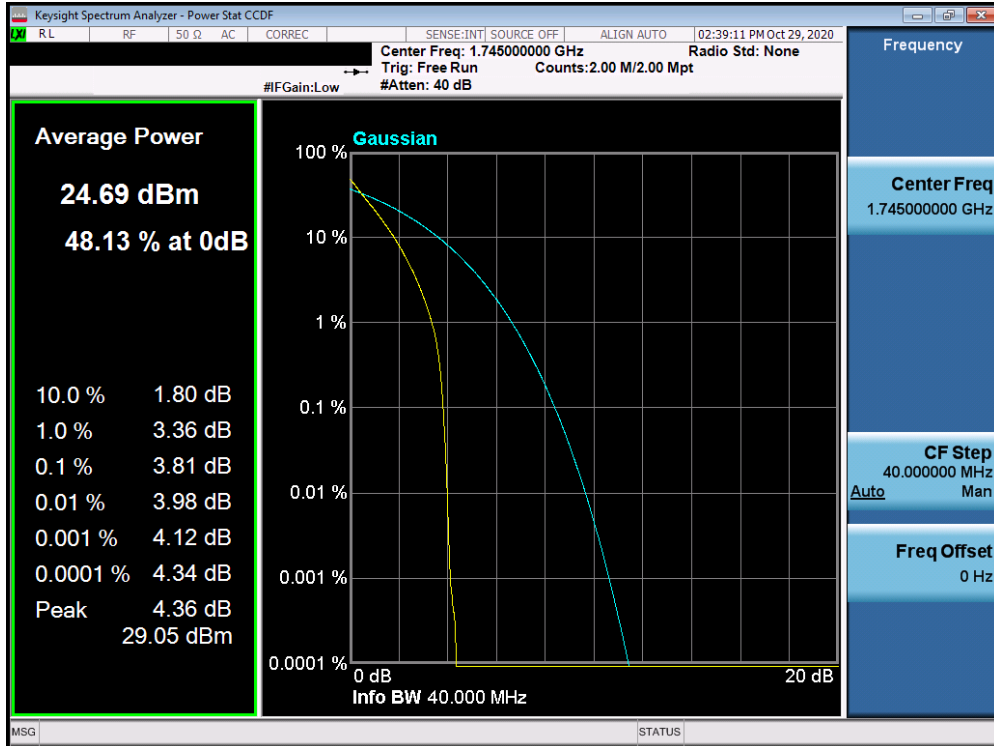
Plot 7-354. PAR Plot (LTE Band 66/4 - 1.4MHz 64-QAM - Full RB Configuration)



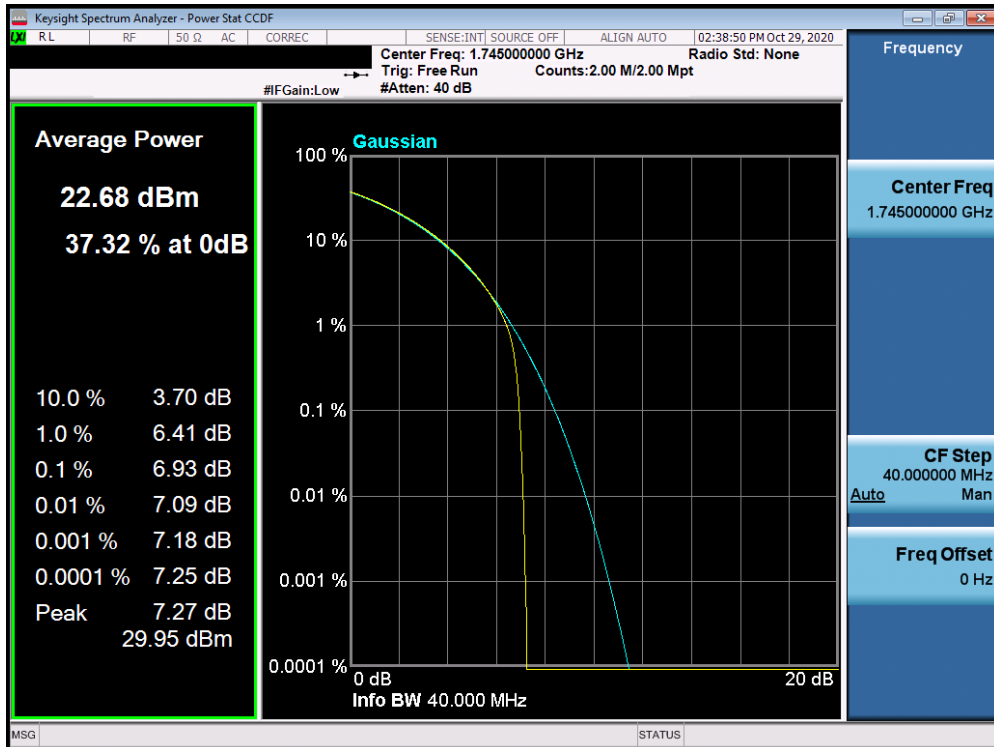
Plot 7-355. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB Configuration)

NR Band n66 - Antenna A



FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 205 of 332

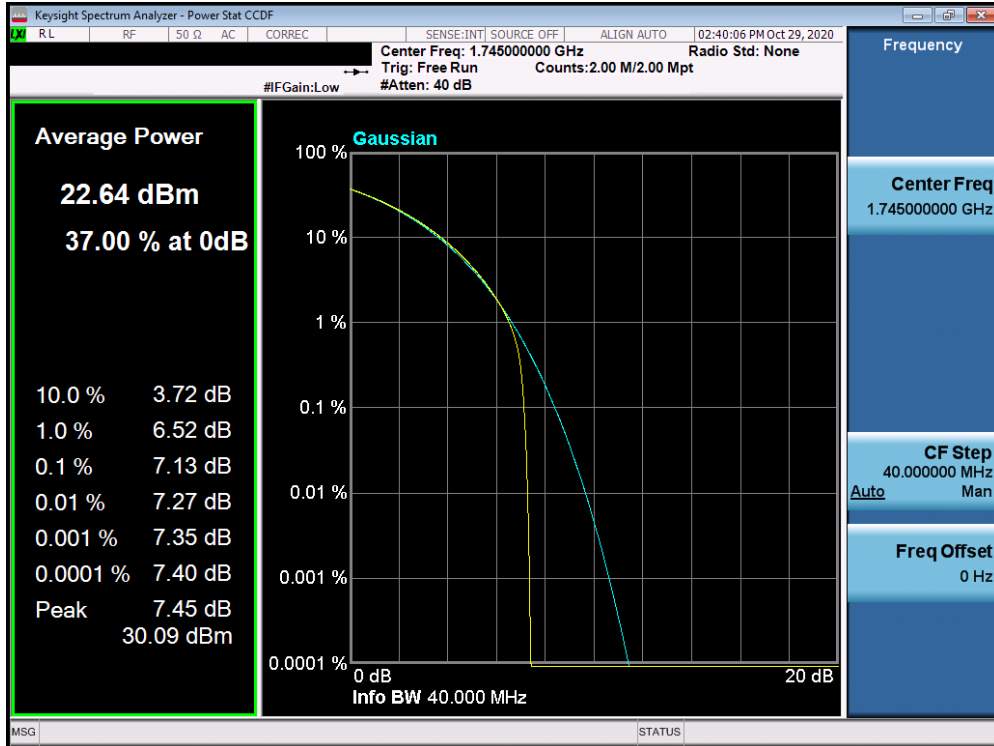


Plot 7-356. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM BPSK - Full RB - Antenna A)

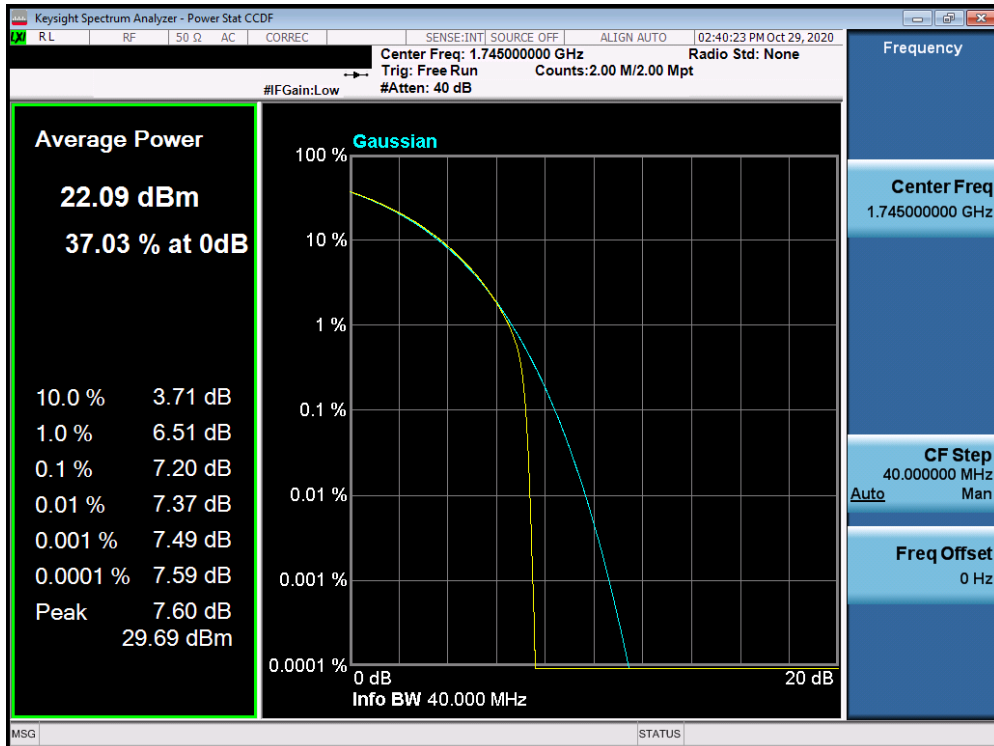


Plot 7-357. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM QPSK - Full RB - Antenna A)

FCC ID: A3LSMG996U		PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 206 of 332

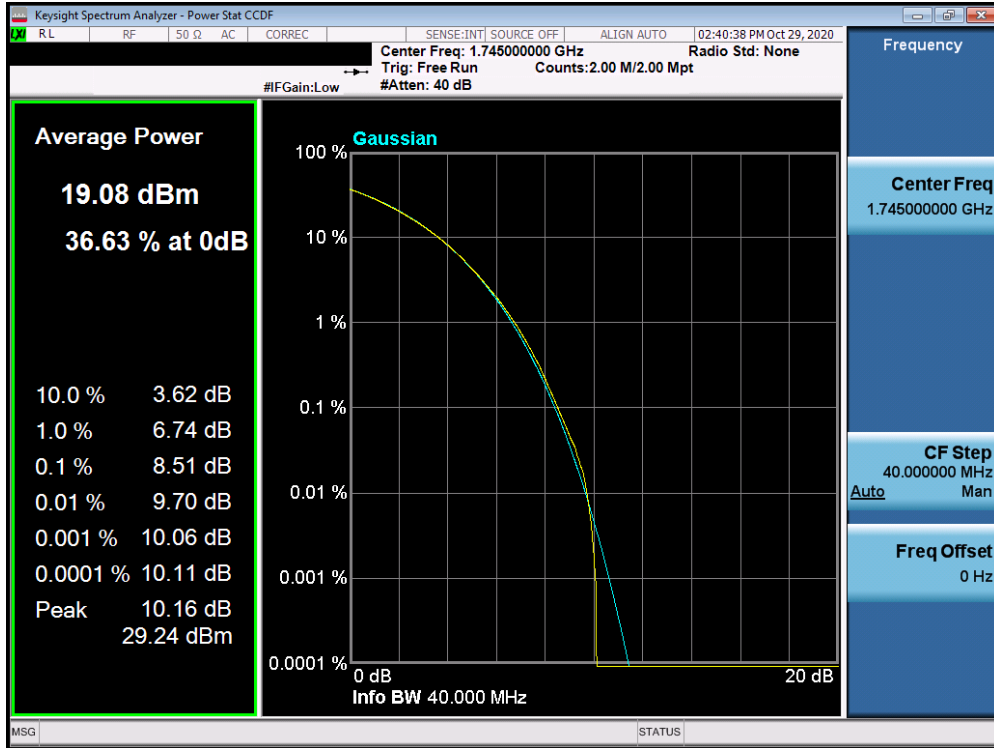


Plot 7-358. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 16-QAM - Full RB - Antenna A)

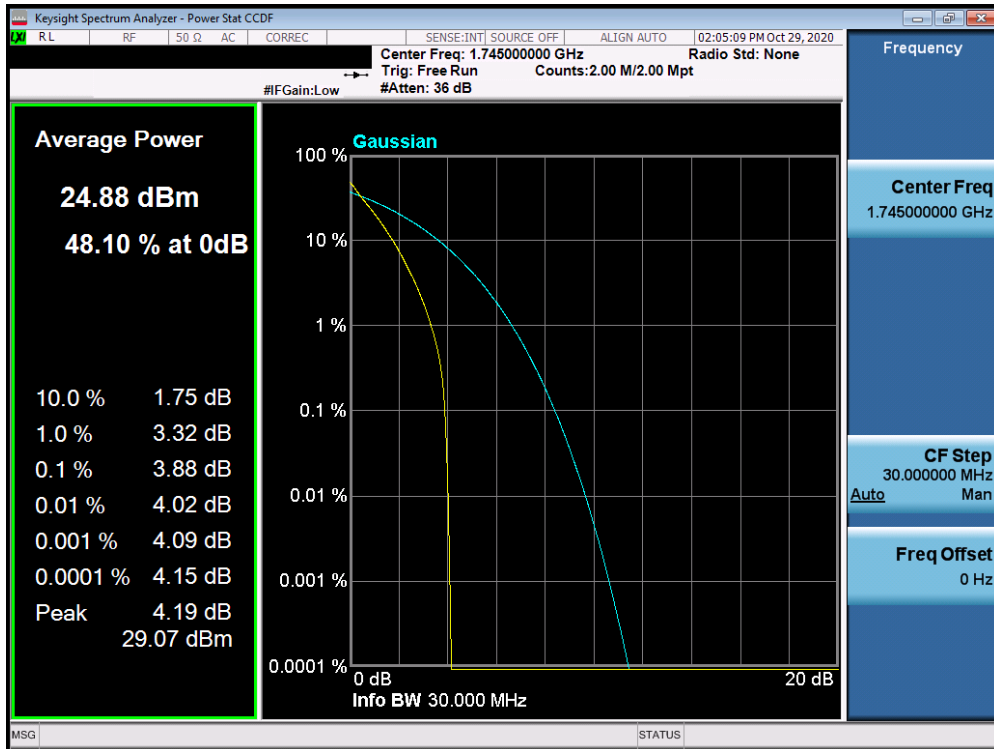


Plot 7-359. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 64-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 207 of 332

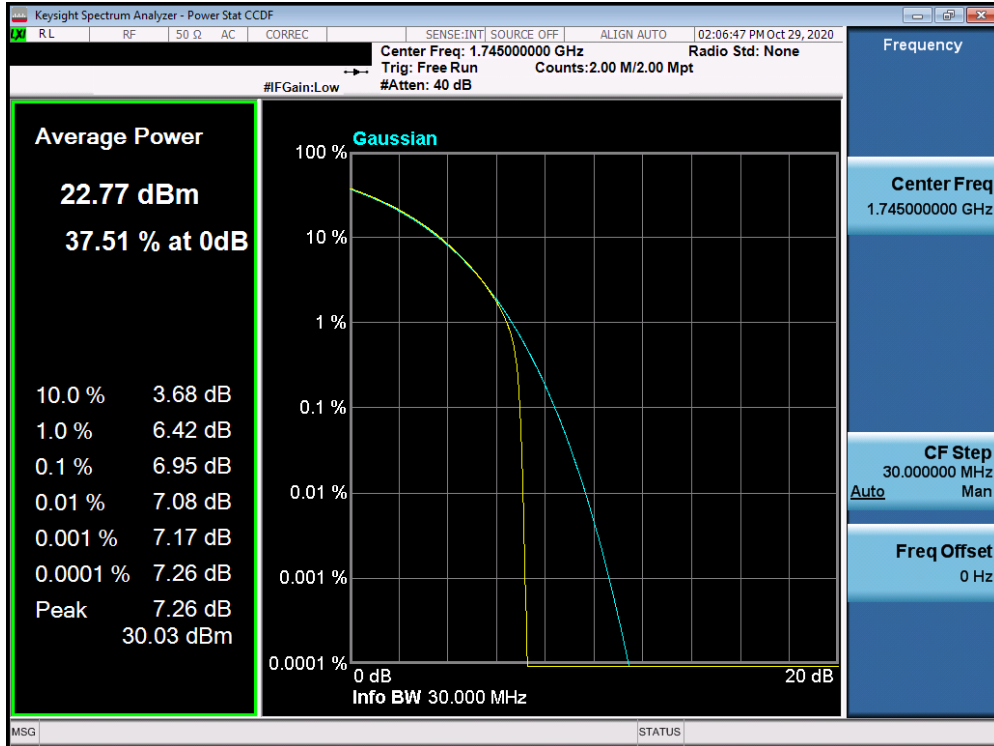


Plot 7-360. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - Antenna A)

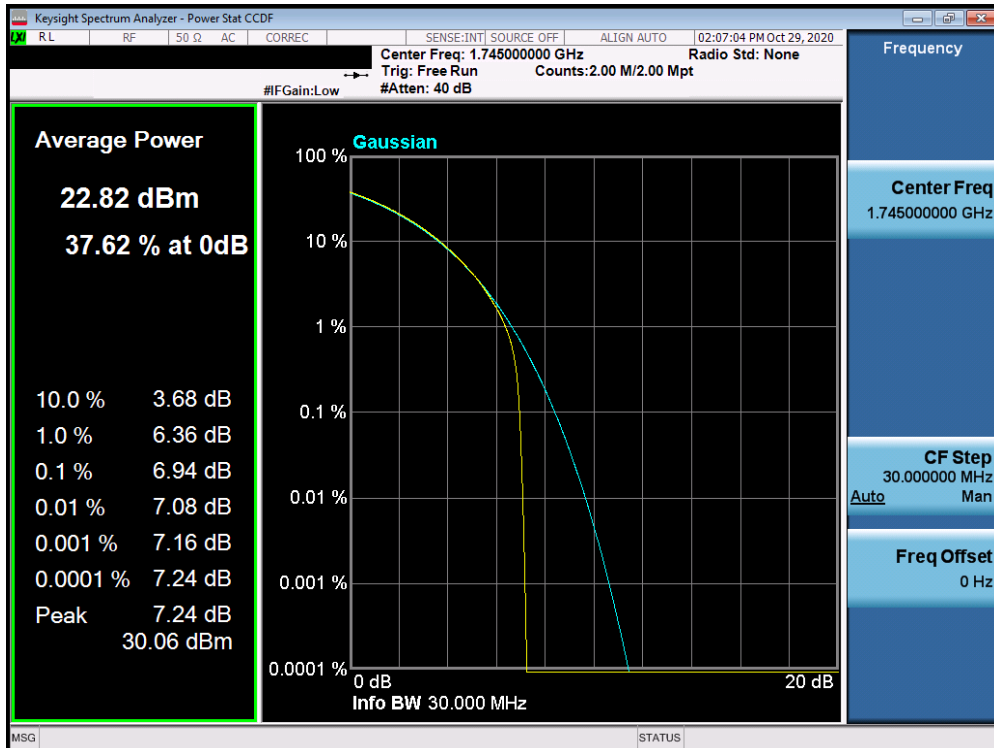


Plot 7-361. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM BPSK - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 208 of 332

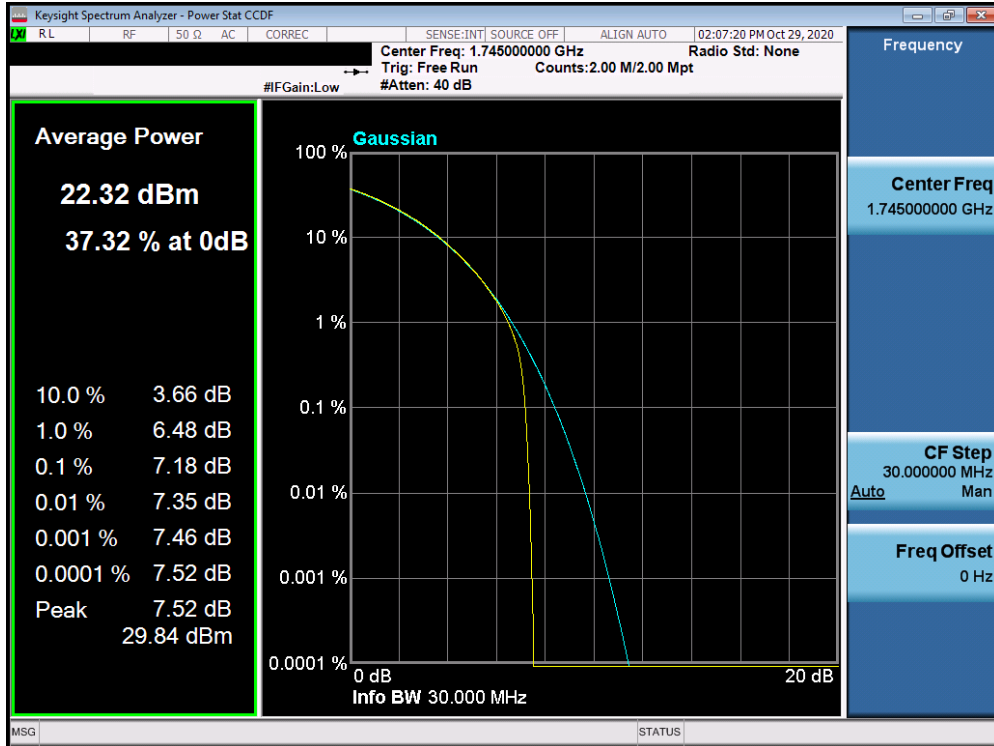


Plot 7-362. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM QPSK - Full RB - Antenna A)

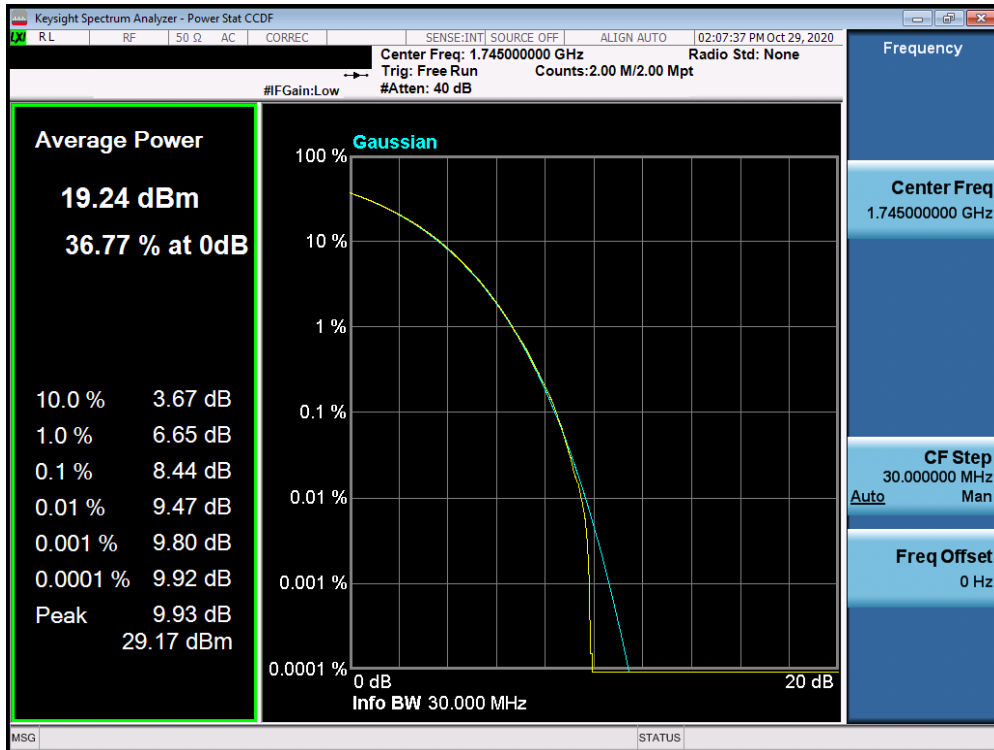


Plot 7-363. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 16-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 209 of 332

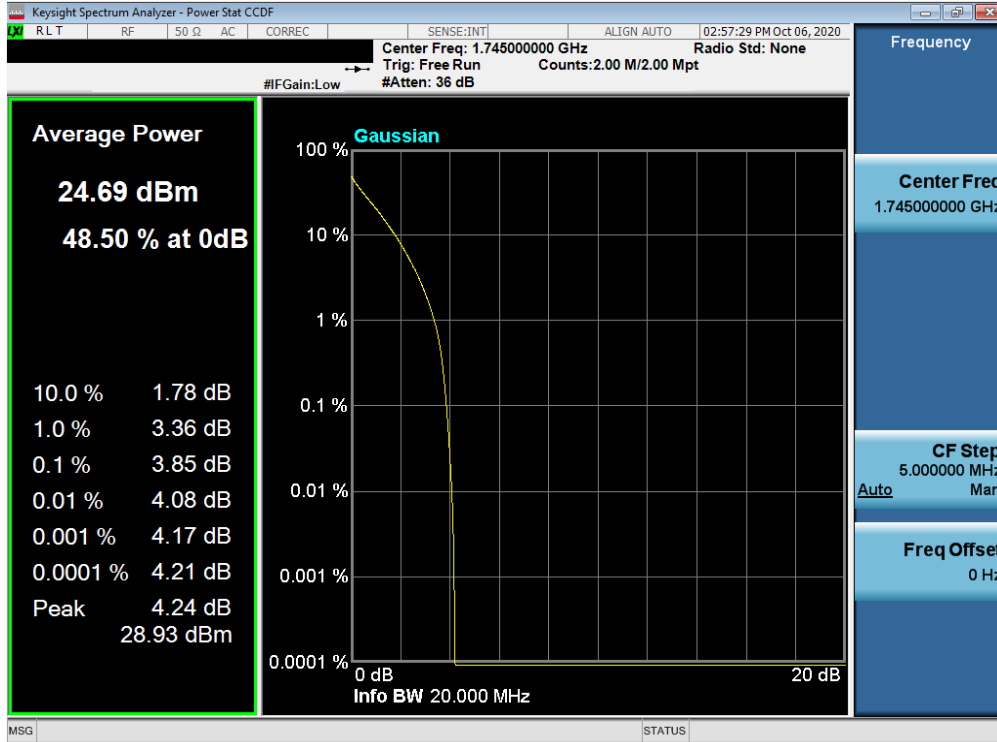


Plot 7-364. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 64-QAM - Full RB - Antenna A)

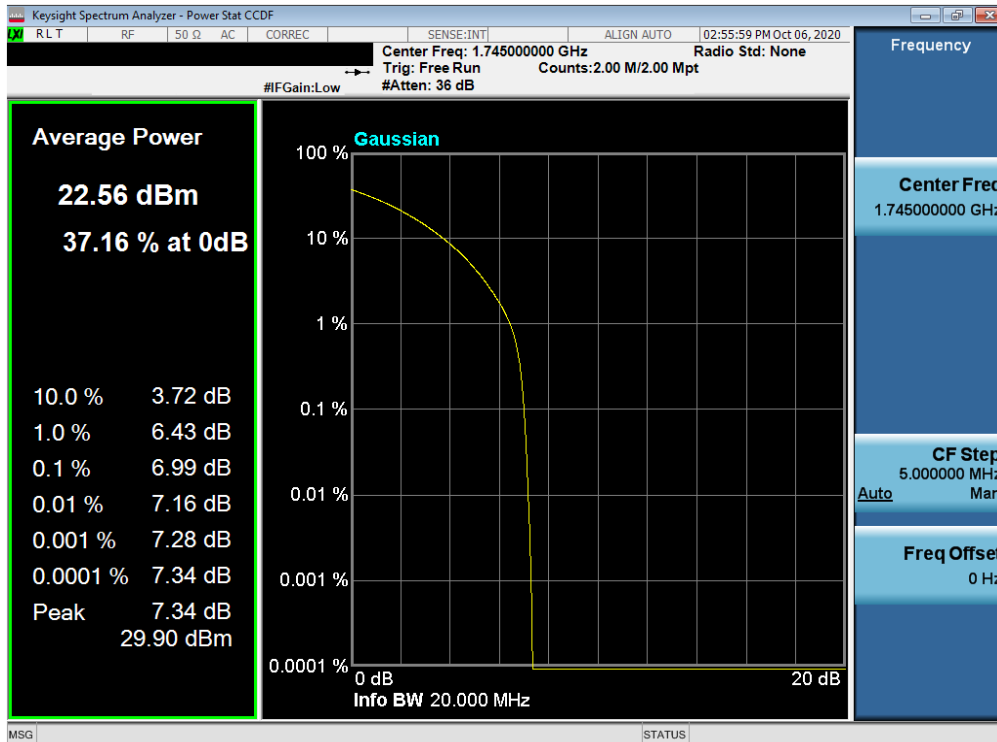


Plot 7-365. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 210 of 332

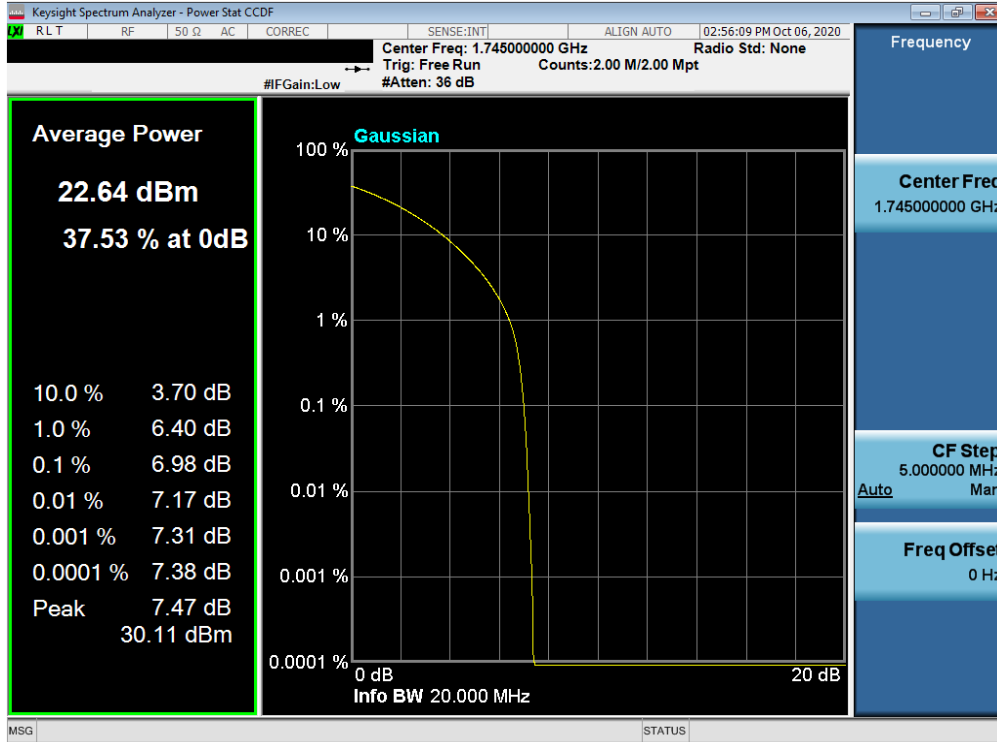


Plot 7-366. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM BPSK - Full RB - Antenna A)

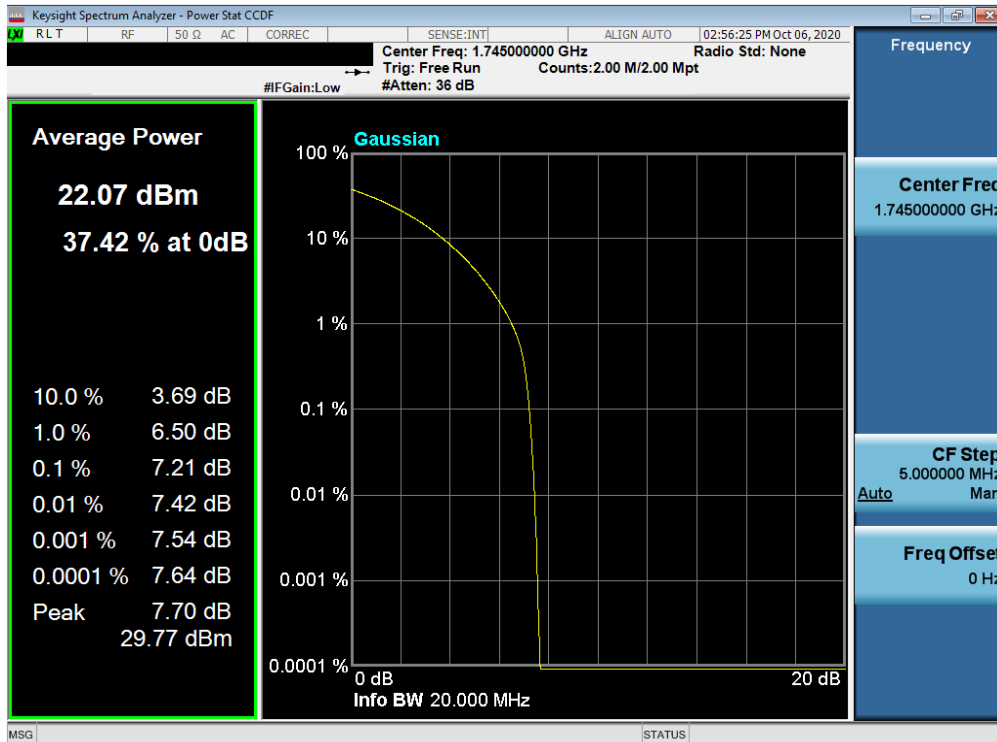


Plot 7-367. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM QPSK - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 211 of 332

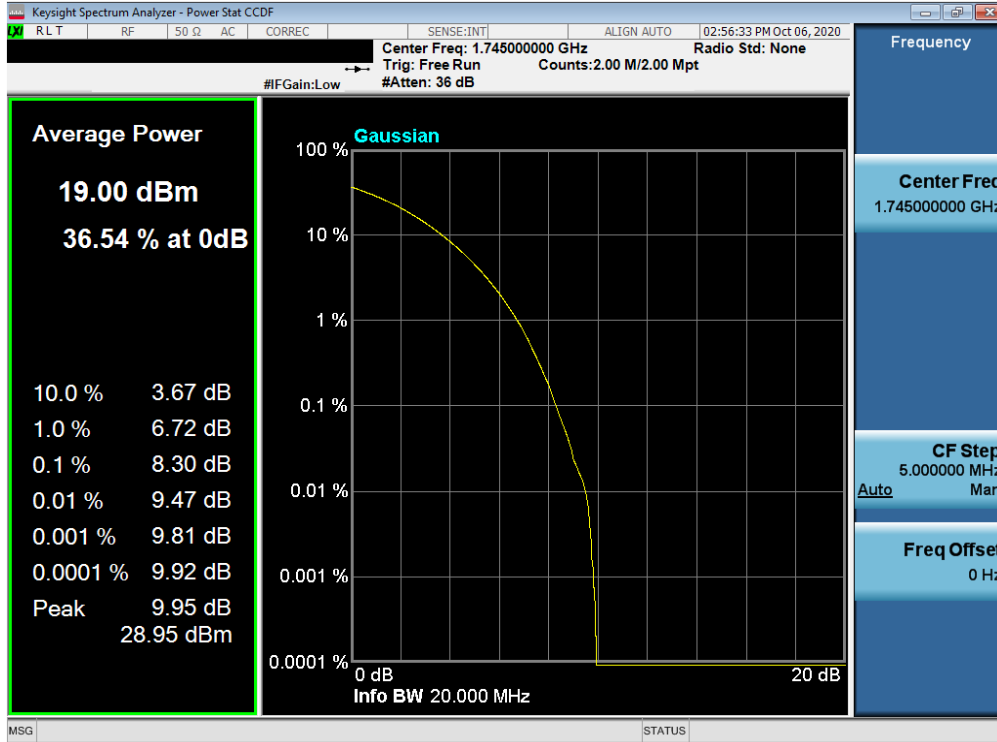


Plot 7-368. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 16-QAM - Full RB - Antenna A)

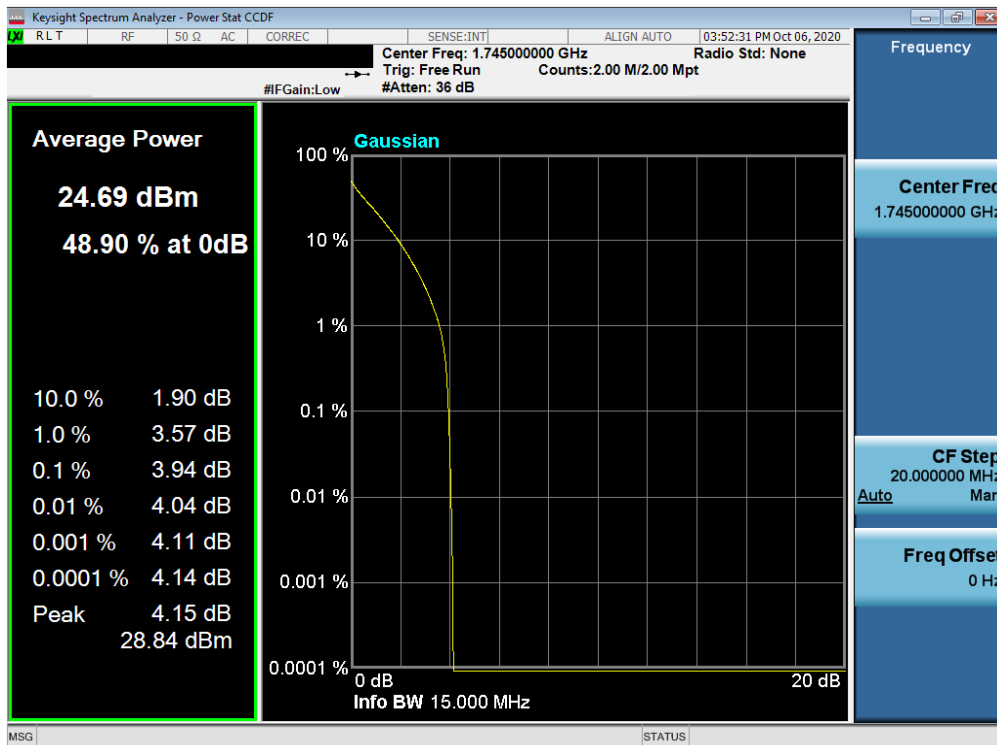


Plot 7-369. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 64-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 212 of 332

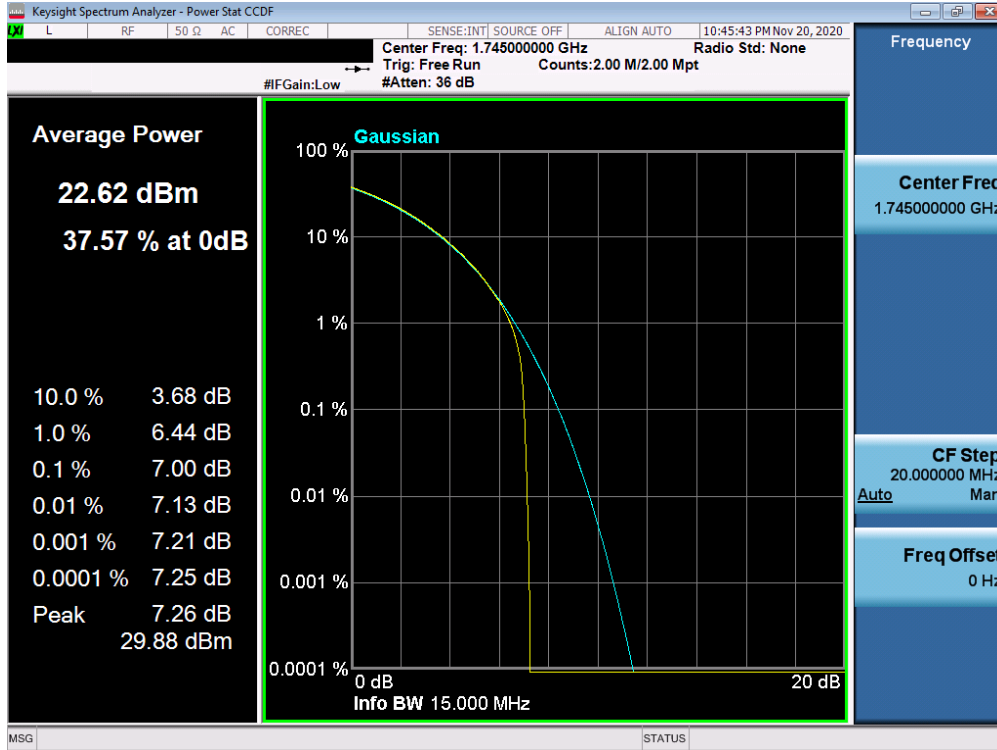


Plot 7-370. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB - Antenna A)

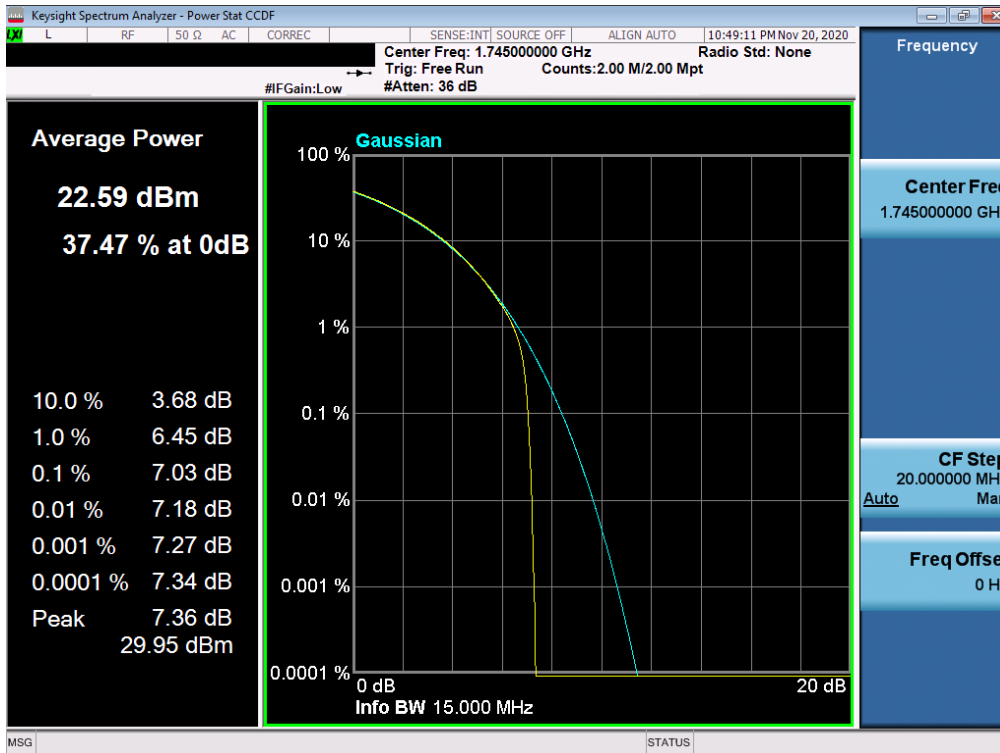


Plot 7-371. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM BPSK - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 213 of 332

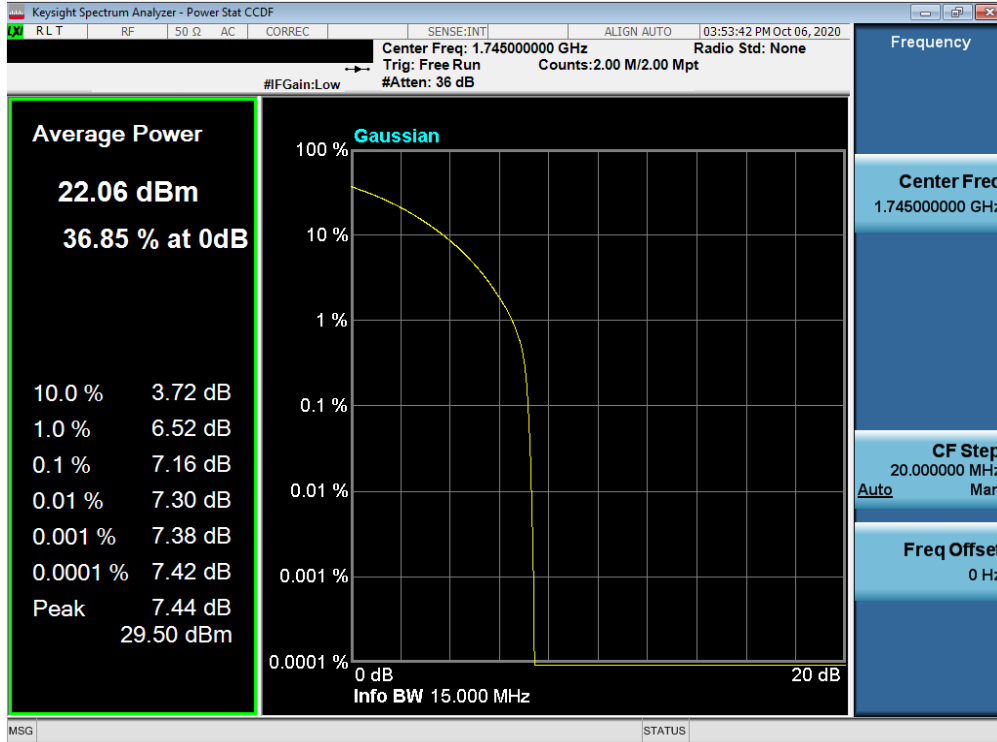


Plot 7-372. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM QPSK - Full RB - Antenna A)

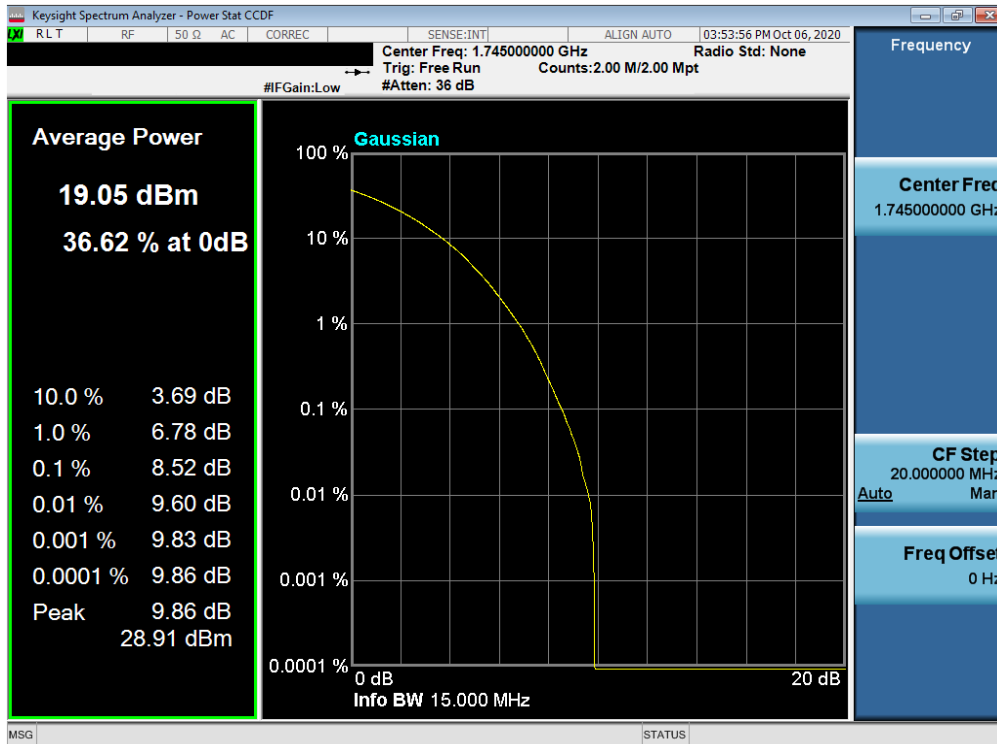


Plot 7-373. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 16-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 214 of 332

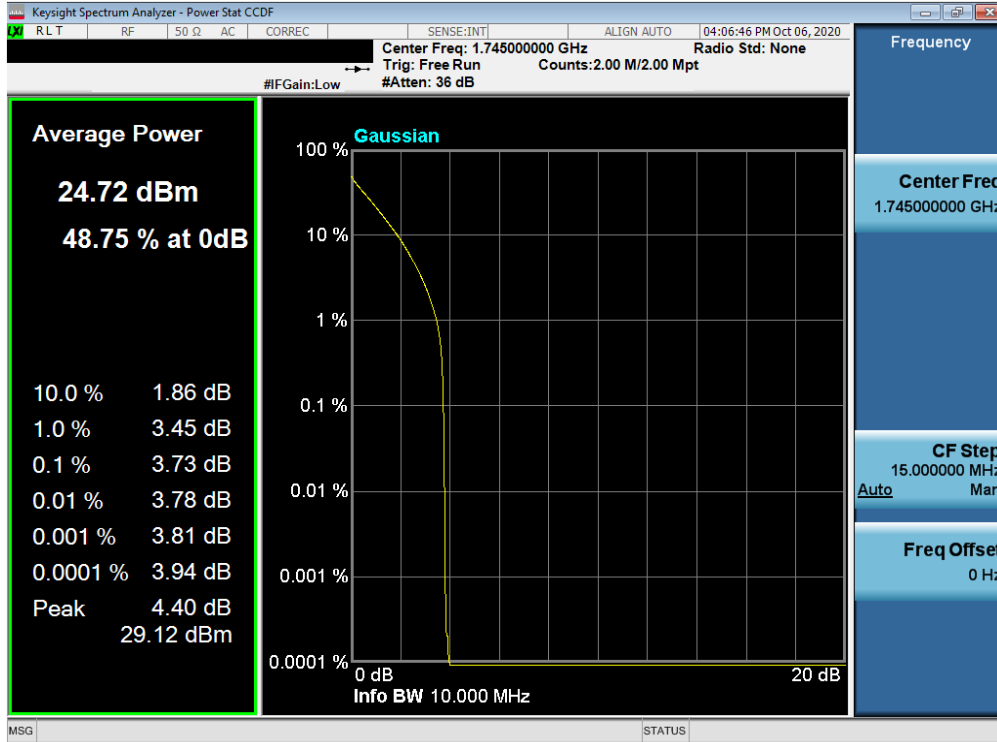


Plot 7-374. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 64-QAM - Full RB - Antenna A)

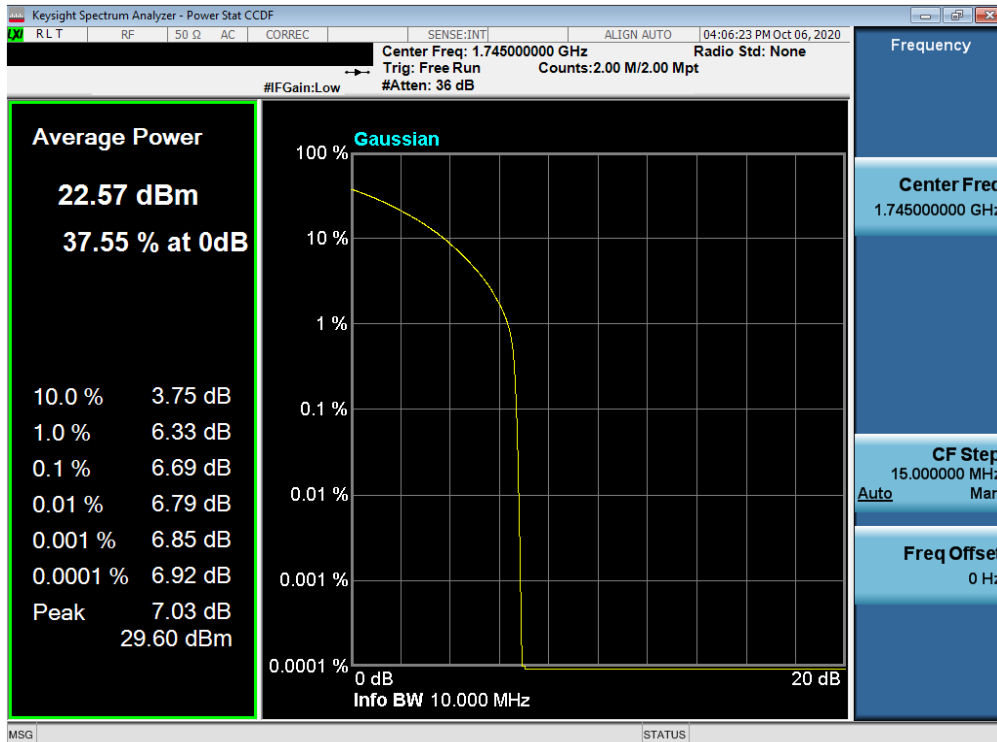


Plot 7-375. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 215 of 332

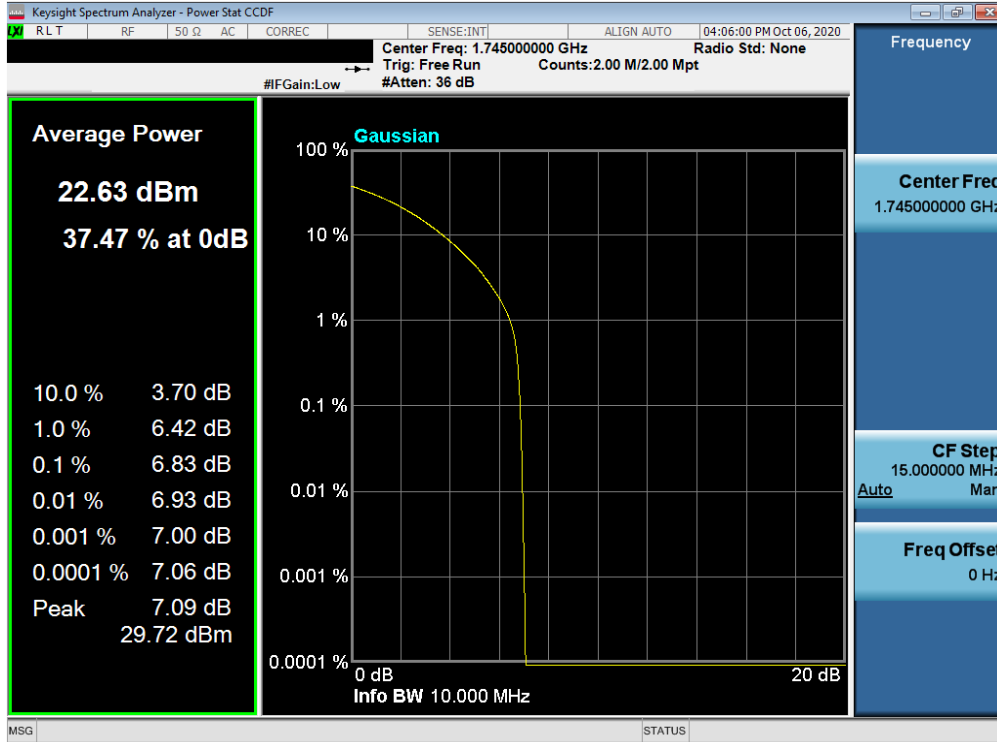


Plot 7-376. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM BPSK - Full RB - Antenna A)

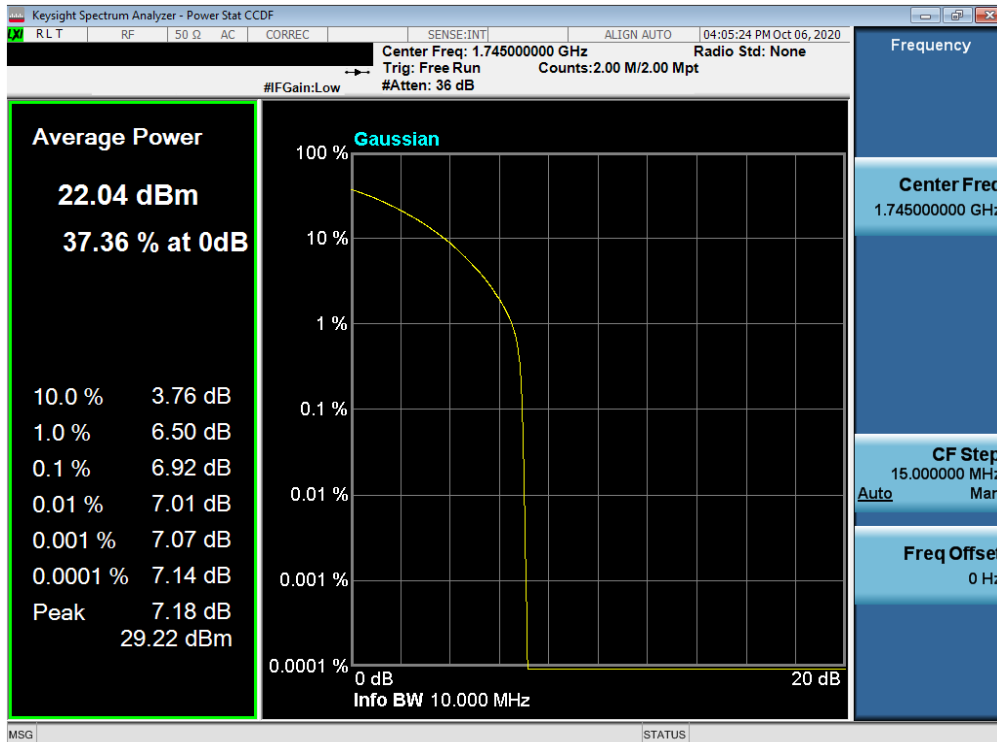


Plot 7-377. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 216 of 332

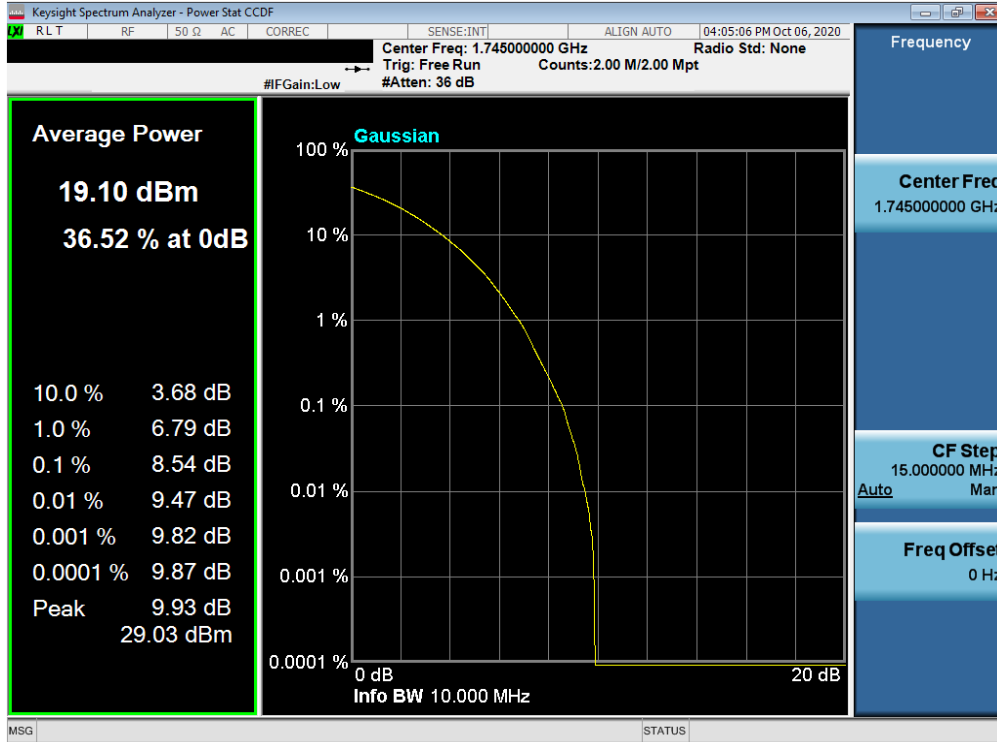


Plot 7-378. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 16-QAM - Full RB - Antenna A)

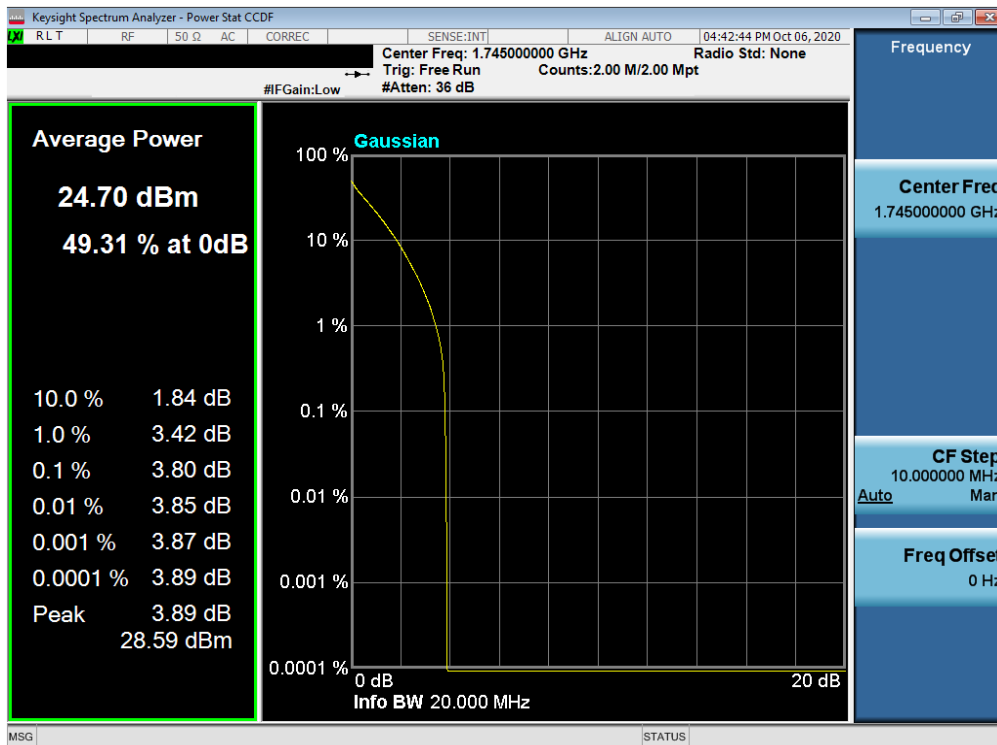


Plot 7-379. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 64-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 217 of 332

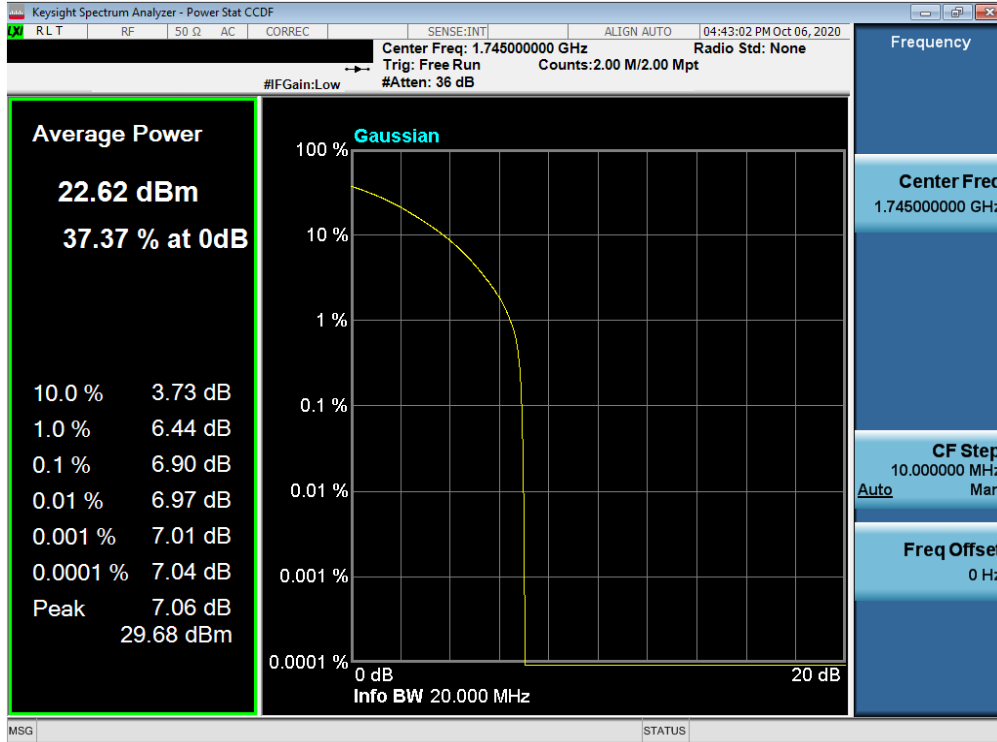


Plot 7-380. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - Antenna A)

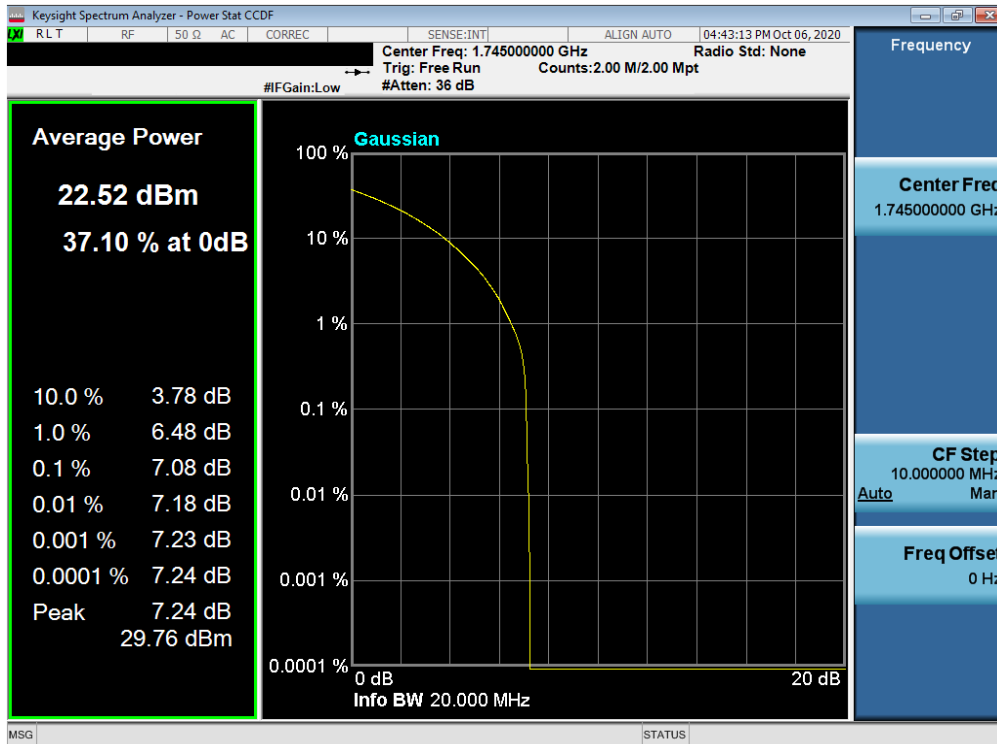


Plot 7-381. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM BPSK - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 218 of 332

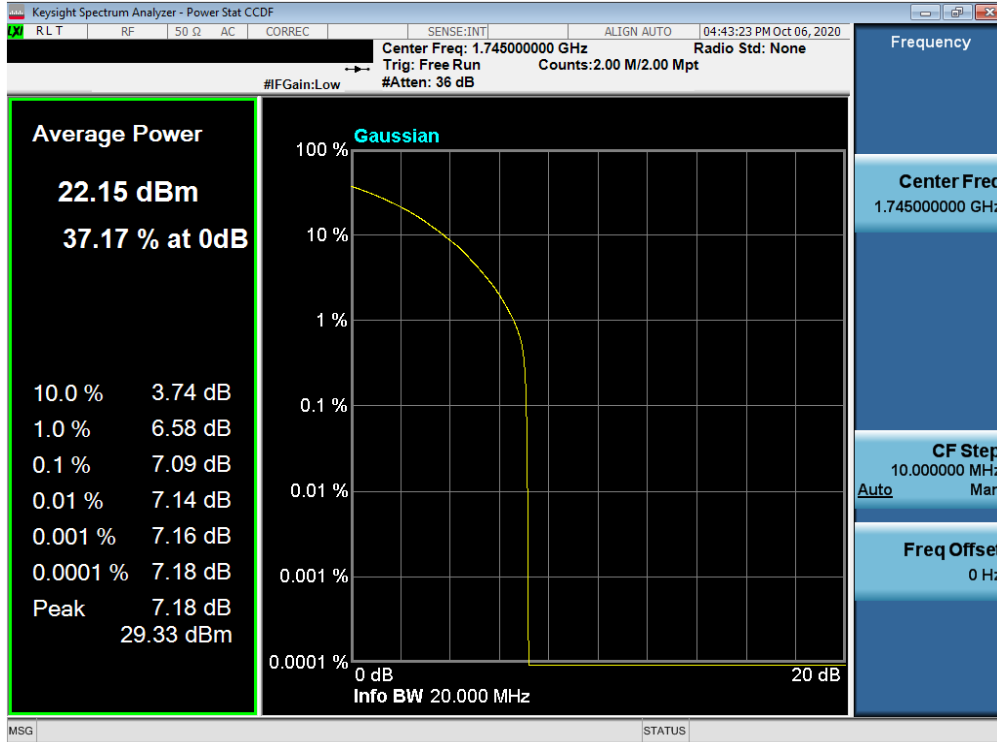


Plot 7-382. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM QPSK - Full RB - Antenna A)

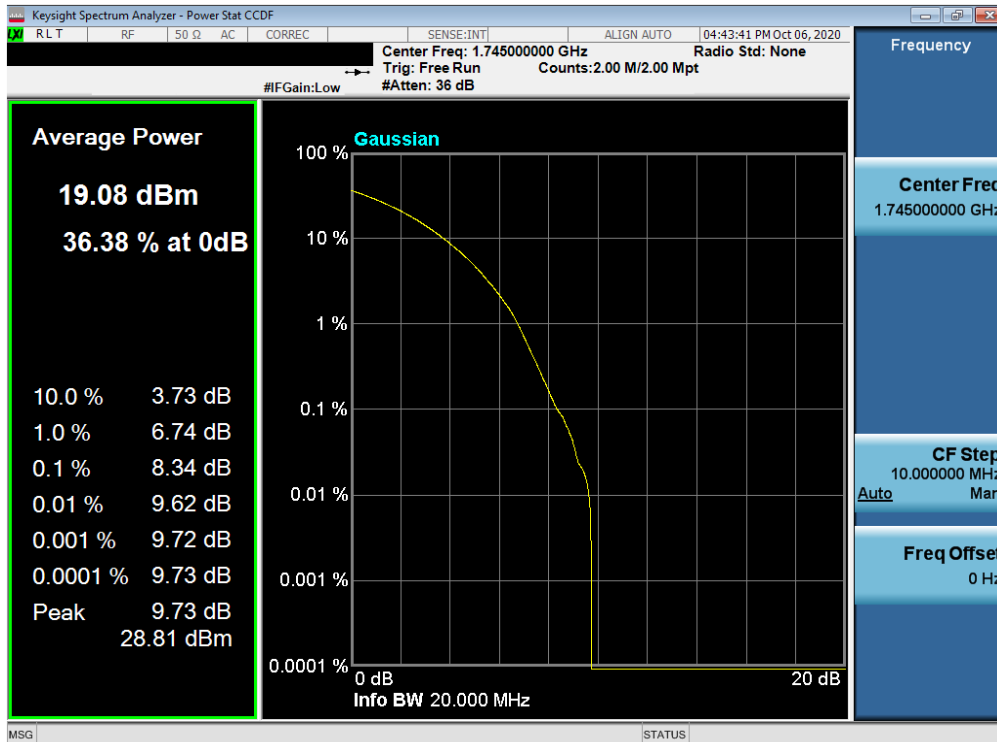


Plot 7-383. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 16-QAM - Full RB - Antenna A)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 - 12/05/2020	EUT Type: Portable Handset		Page 219 of 332



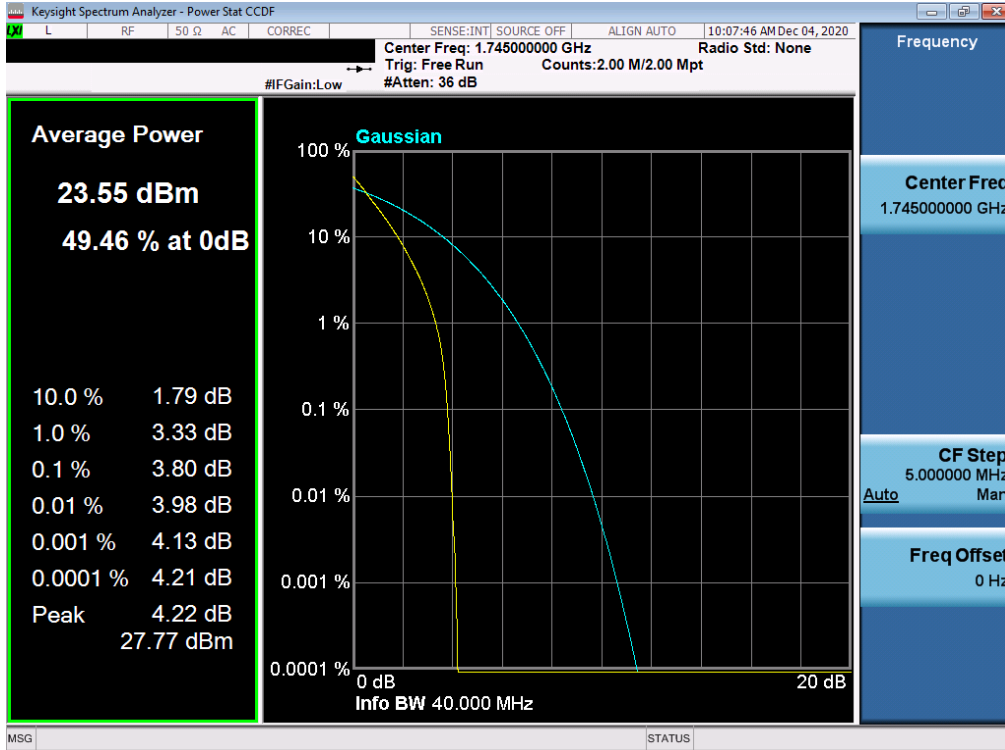
Plot 7-384. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 64-QAM - Full RB - Antenna A)



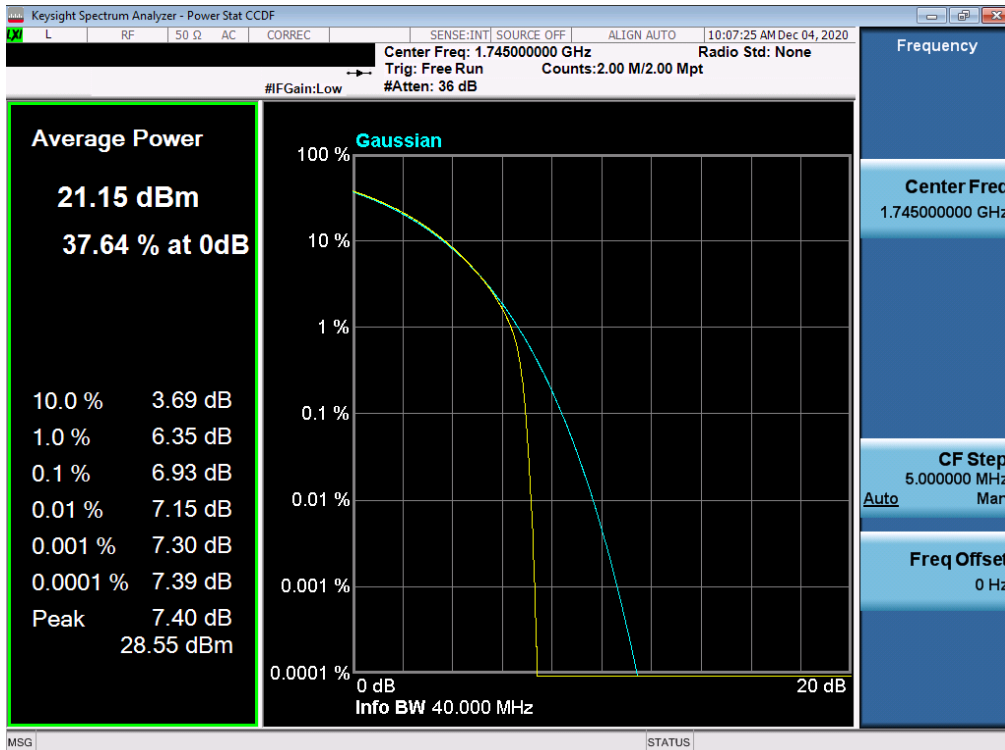
Plot 7-385. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - Antenna A)

NR Band n66 – Antenna I

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 220 of 332

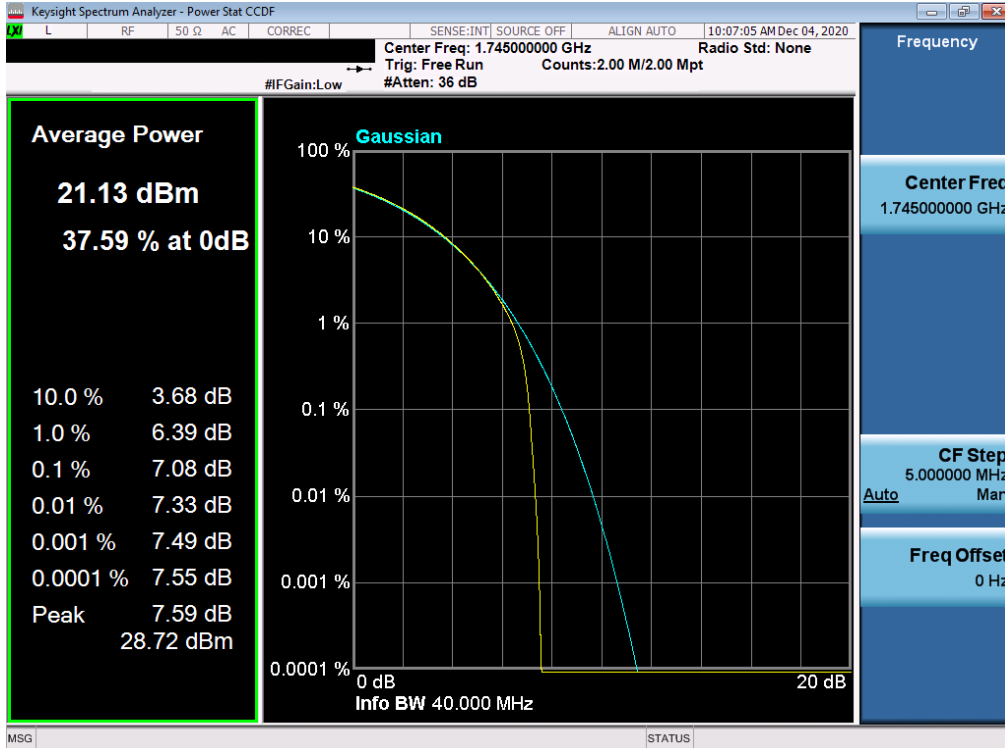


Plot 7-386. PAR Plot (NR Band n66 – Antenna I - 40.0MHz DFT-s-OFDM BPSK - Full RB)

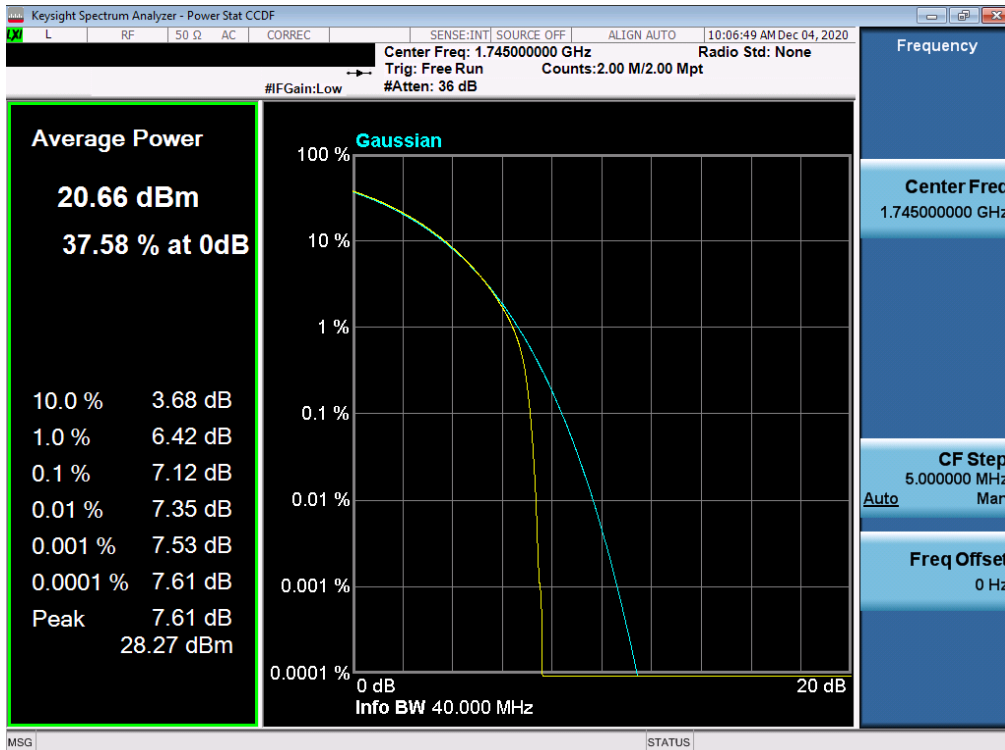


Plot 7-387. PAR Plot (NR Band n66 – Antenna I - 40.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 221 of 332

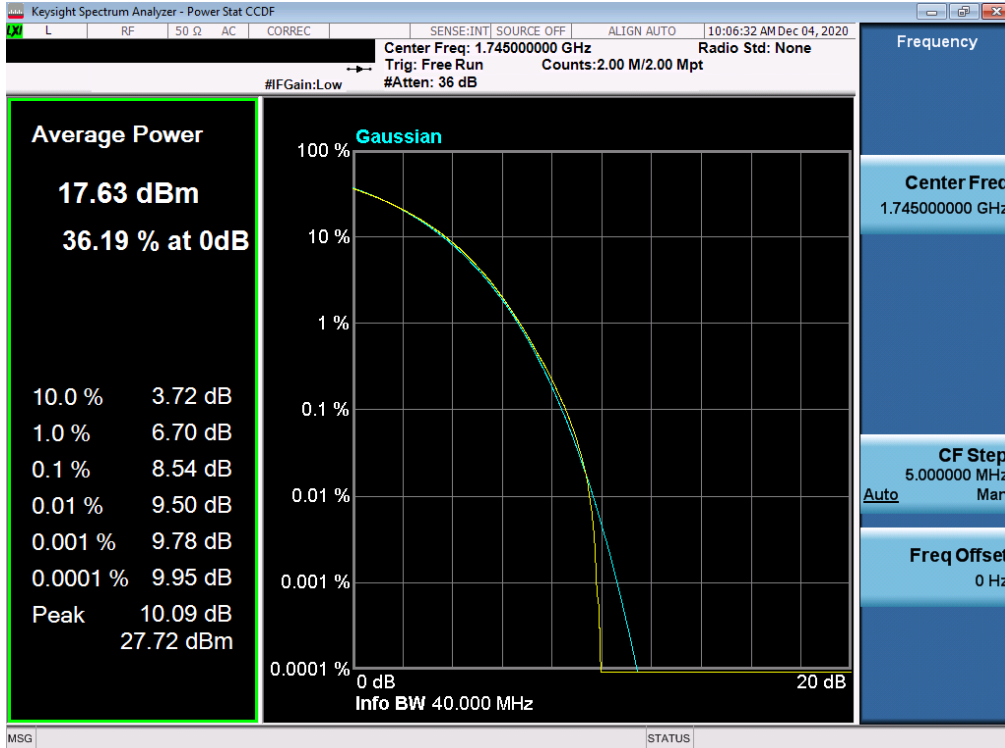


Plot 7-388. PAR Plot (NR Band n66 – Antenna I - 40.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

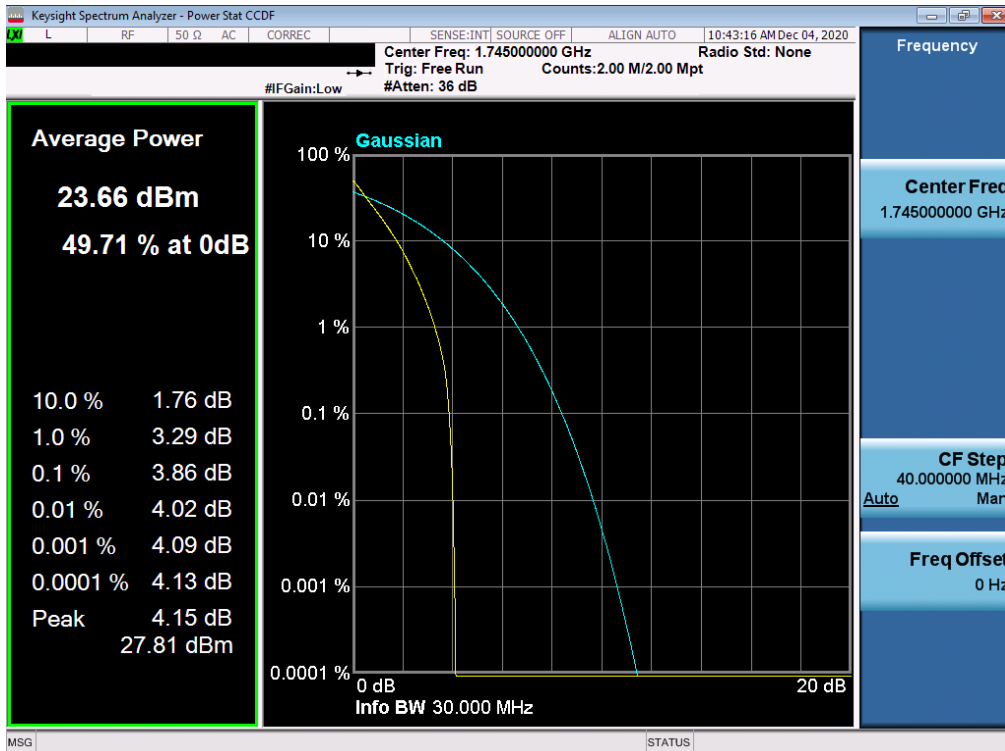


Plot 7-389. PAR Plot (NR Band n66 – Antenna I - 40.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 222 of 332

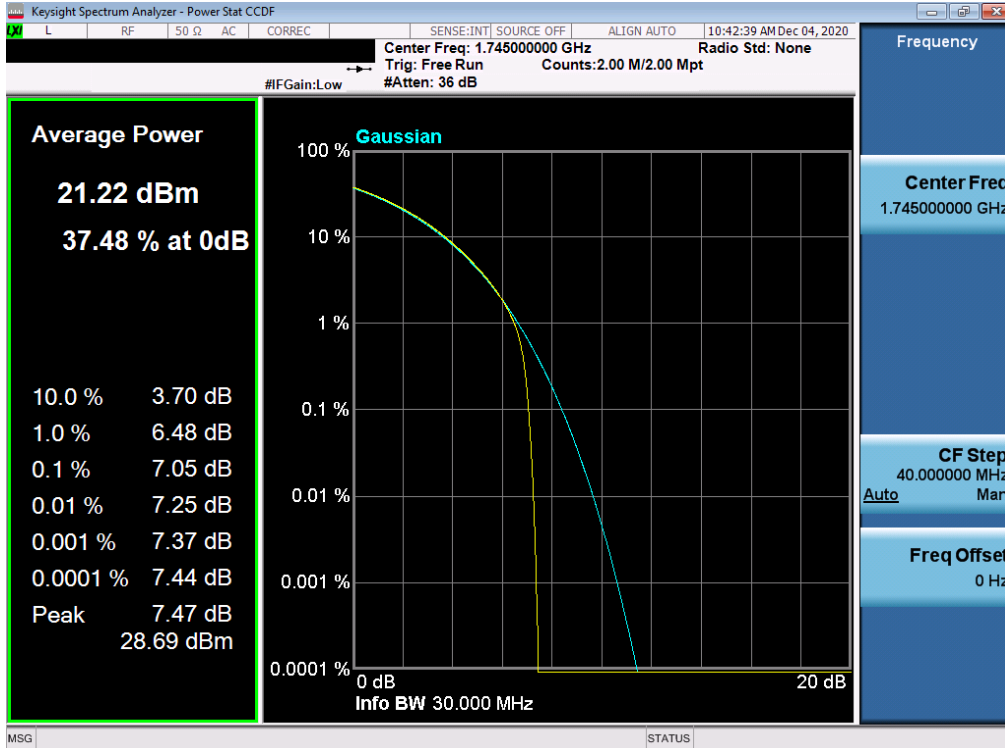


Plot 7-390. PAR Plot (NR Band n66 – Antenna I - 40.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

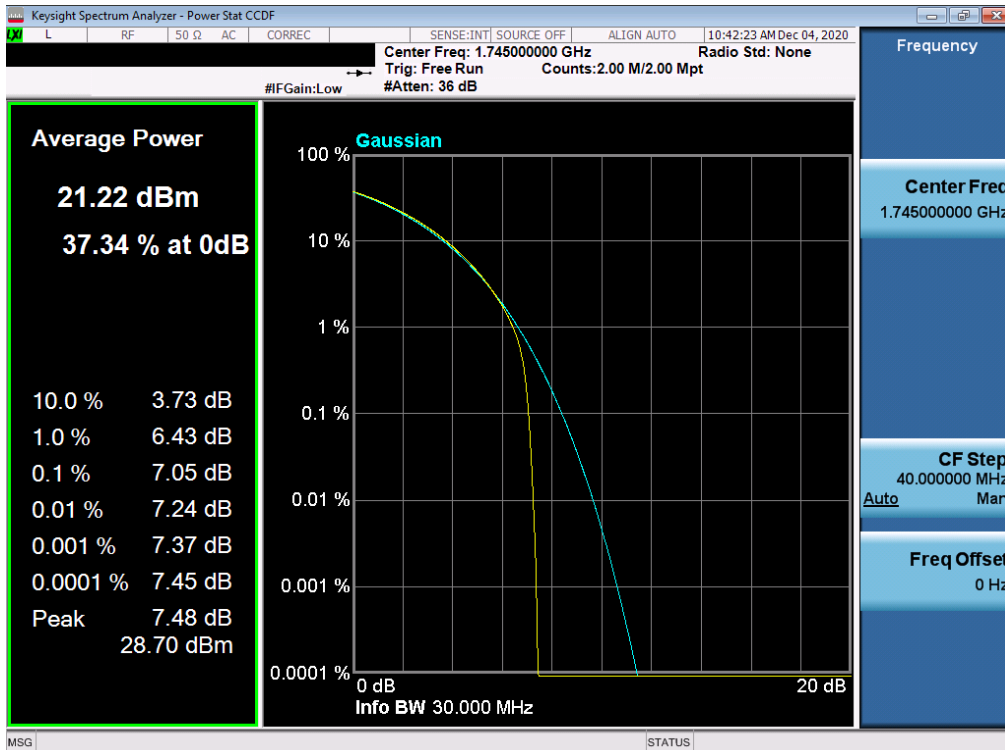


Plot 7-391. PAR Plot (NR Band n66 – Antenna I - 30.0MHz DFT-s-OFDM BPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 223 of 332

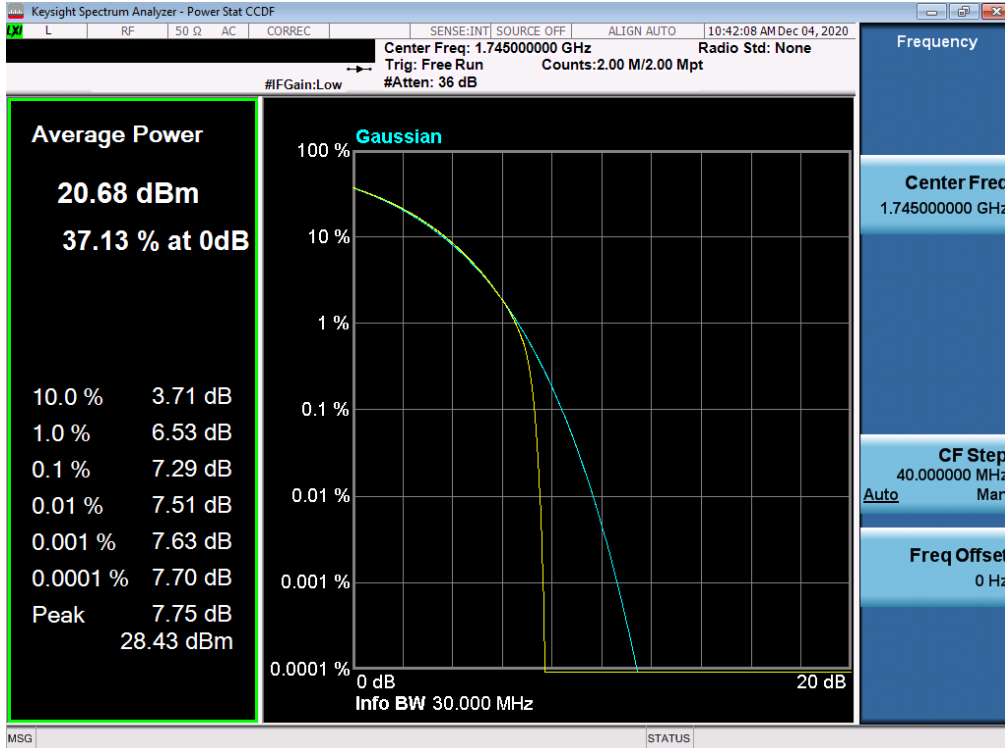


Plot 7-392. PAR Plot (NR Band n66 – Antenna I - 30.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

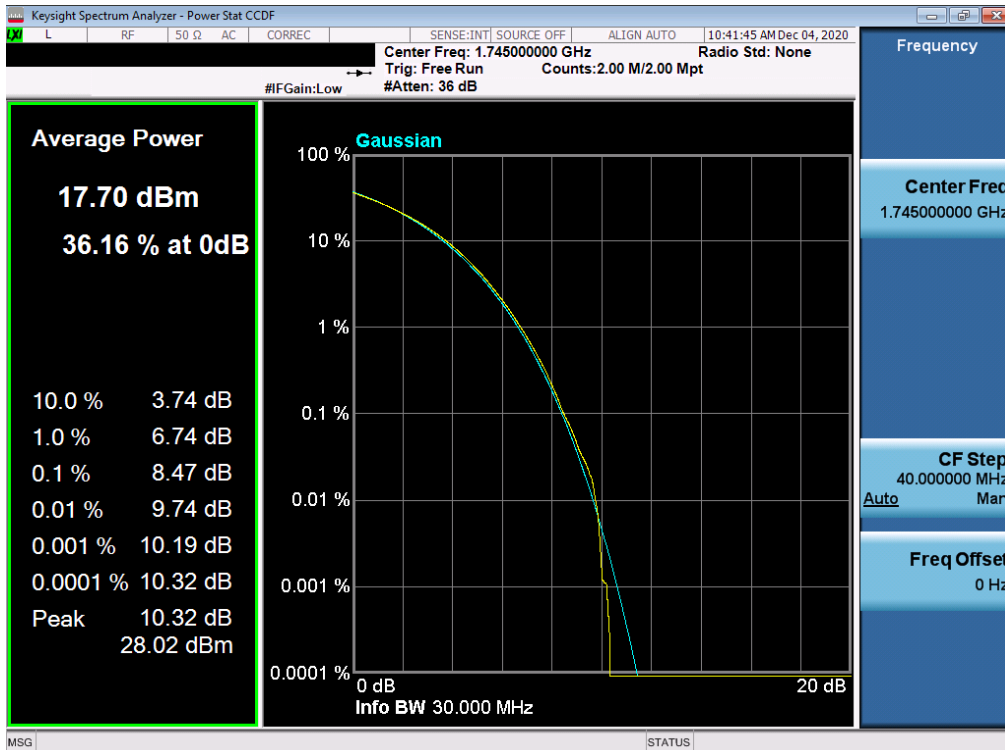


Plot 7-393. PAR Plot (NR Band n66 – Antenna I - 30.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 224 of 332

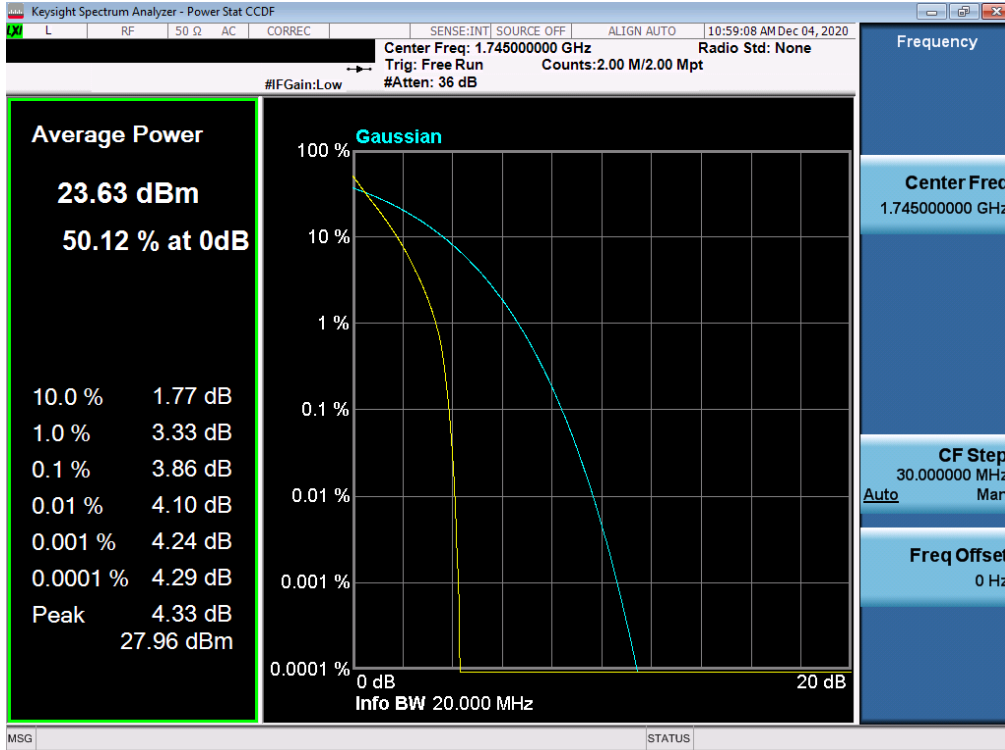


Plot 7-394. PAR Plot (NR Band n66 – Antenna I - 30.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

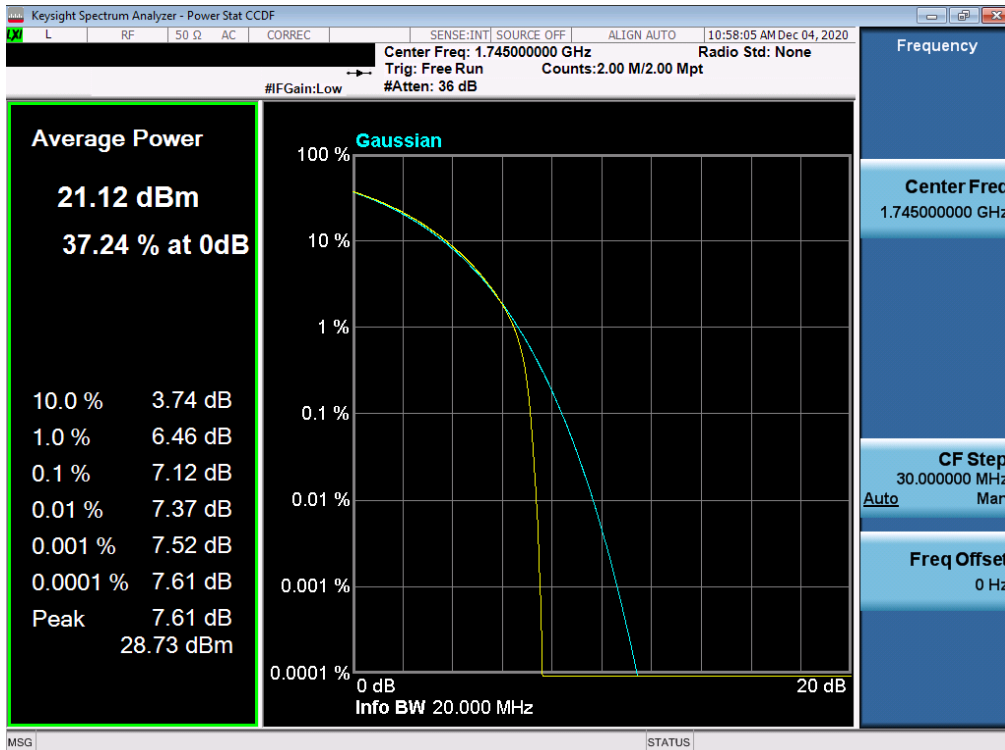


Plot 7-395. PAR Plot (NR Band n66 – Antenna I - 30.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 225 of 332

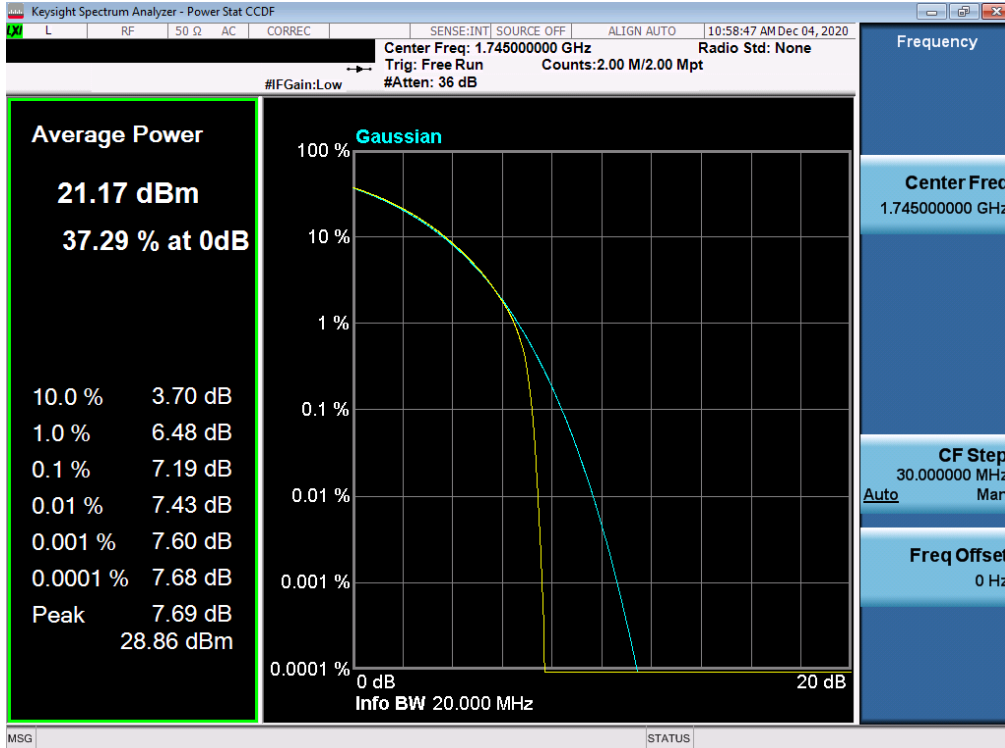


Plot 7-396. PAR Plot (NR Band n66 – Antenna I - 20.0MHz DFT-s-OFDM BPSK - Full RB)

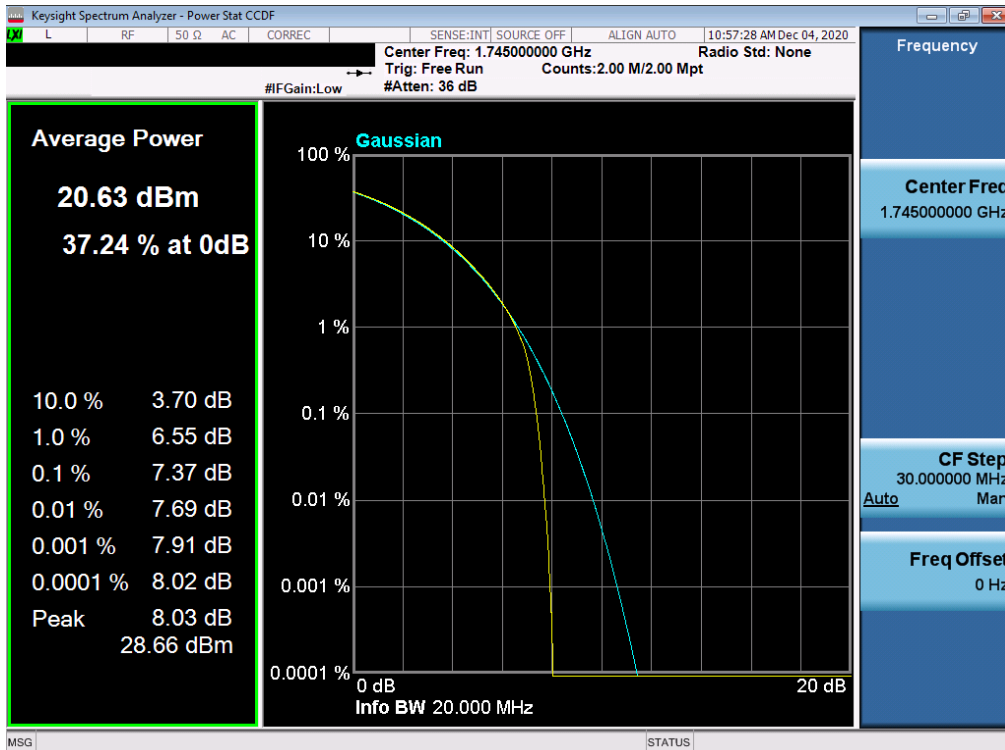


Plot 7-397. PAR Plot (NR Band n66 – Antenna I - 20.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 226 of 332

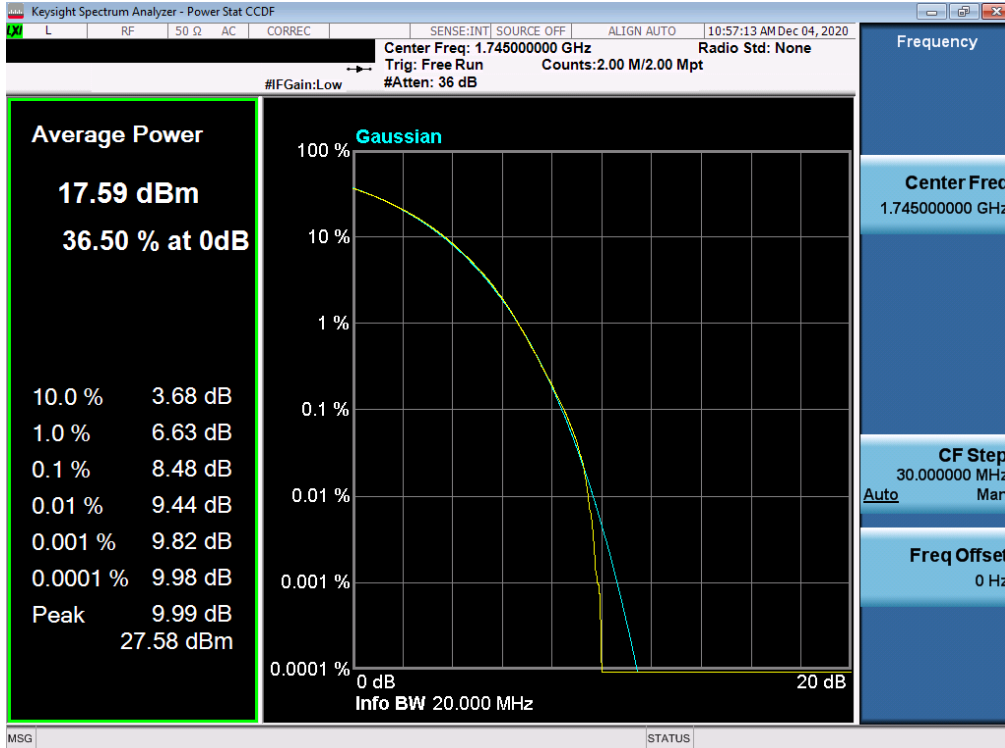


Plot 7-398. PAR Plot (NR Band n66 – Antenna I - 20.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

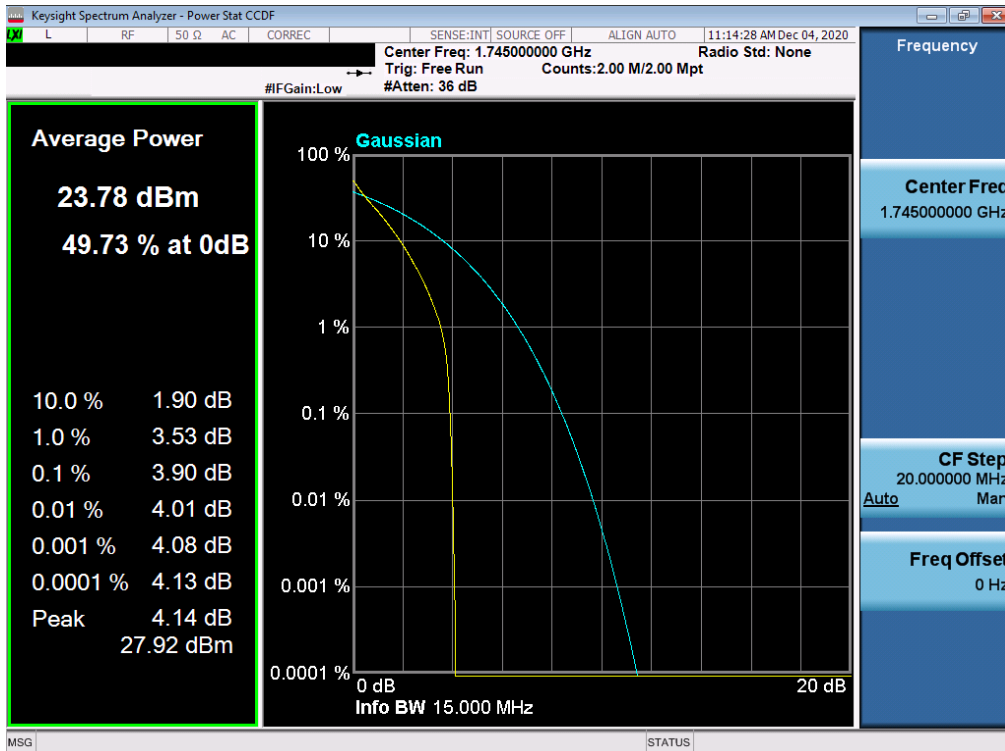


Plot 7-399. PAR Plot (NR Band n66 – Antenna I - 20.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 227 of 332



Plot 7-400. PAR Plot (NR Band n66 – Antenna I - 20.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)



Plot 7-401. PAR Plot (NR Band n66 – Antenna I - 15.0MHz DFT-s-OFDM BPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-20-R1.A3L	Test Dates: 09/15/2020 – 12/05/2020	EUT Type: Portable Handset		Page 228 of 332