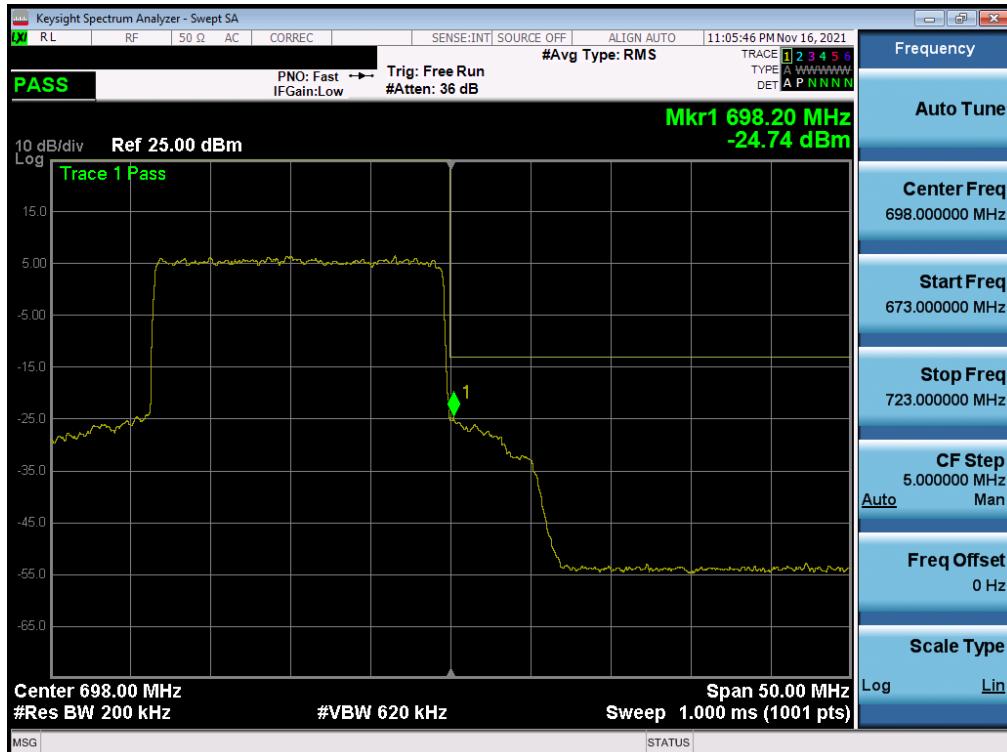


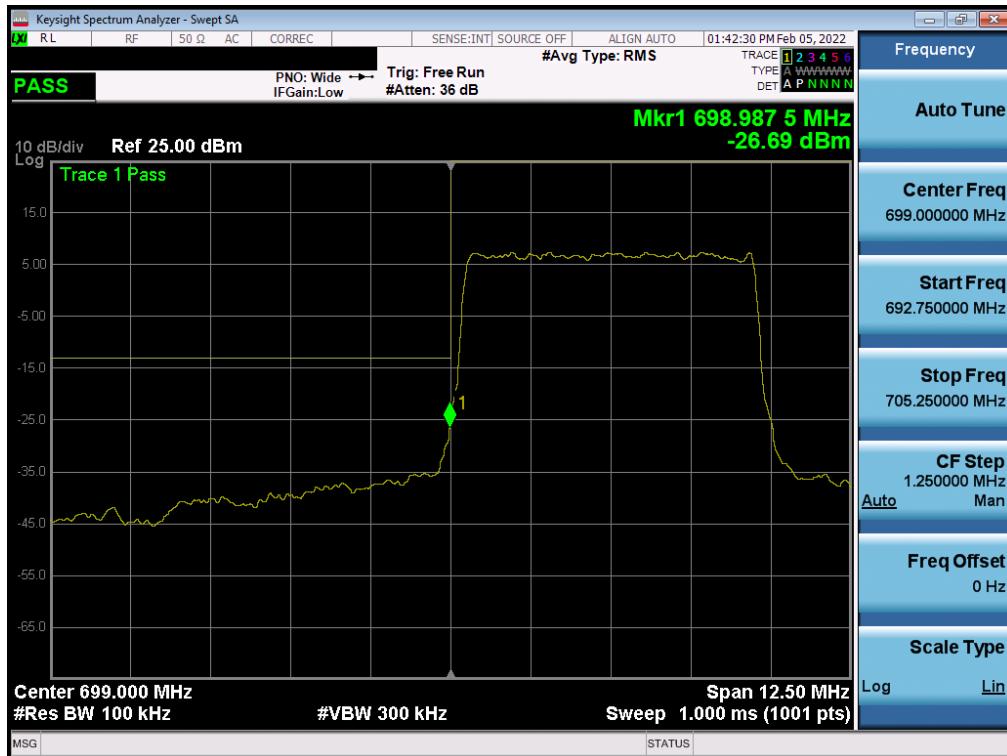
Plot 7-316. Lower Band Edge Plot (NR Band n71 – 20.0MHz DFT-s-OFDM QPSK - Full RB)



Plot 7-317. Upper Band Edge Plot (NR Band n71 – 20.0MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n12



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



Plot 7-319. Upper Band Edge Plot (NR Band n12 – 5.0MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2589	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C211150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 184 of 305



Plot 7-320. Lower Band Edge Plot (NR Band n12 – 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

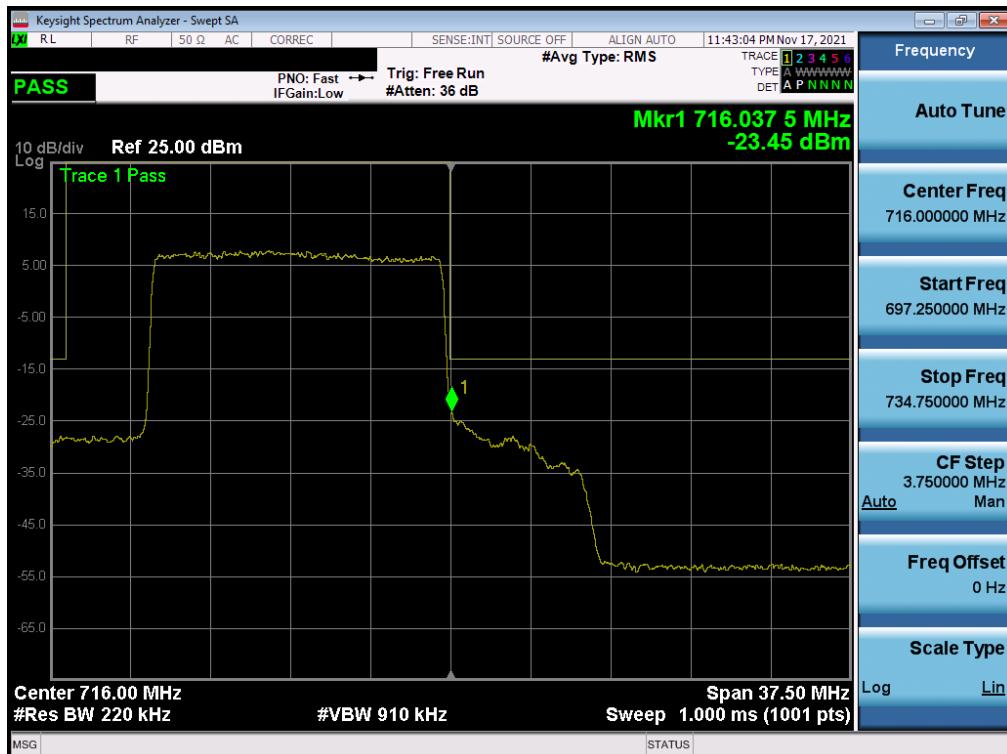


Plot 7-321. Upper Band Edge Plot (NR Band n12 – 10.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2589	 Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device	Page 185 of 305	



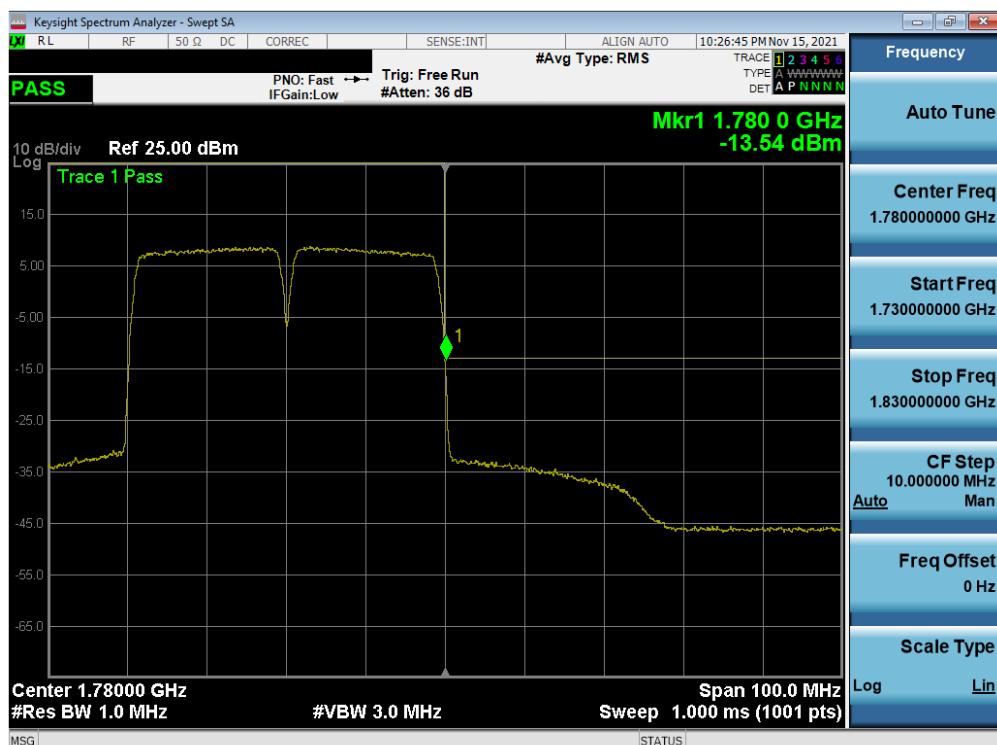
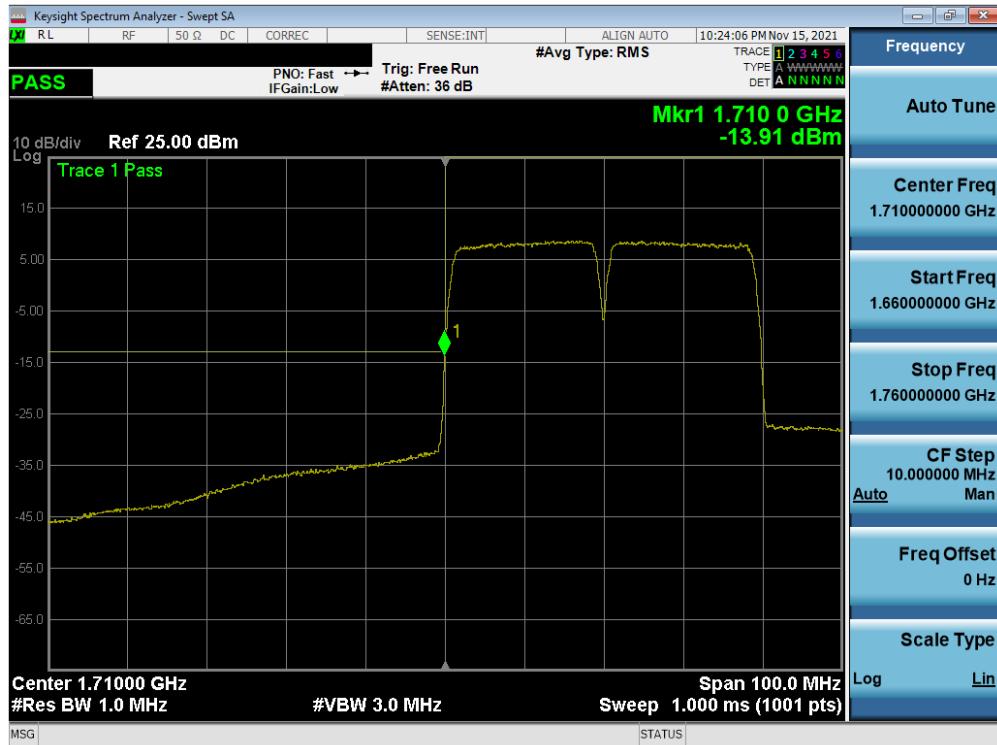
Plot 7-322. Lower Band Edge Plot (NR Band n12 – 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



Plot 7-323. Upper Band Edge Plot (NR Band n12 – 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Uplink CA LTE Band 66B/C



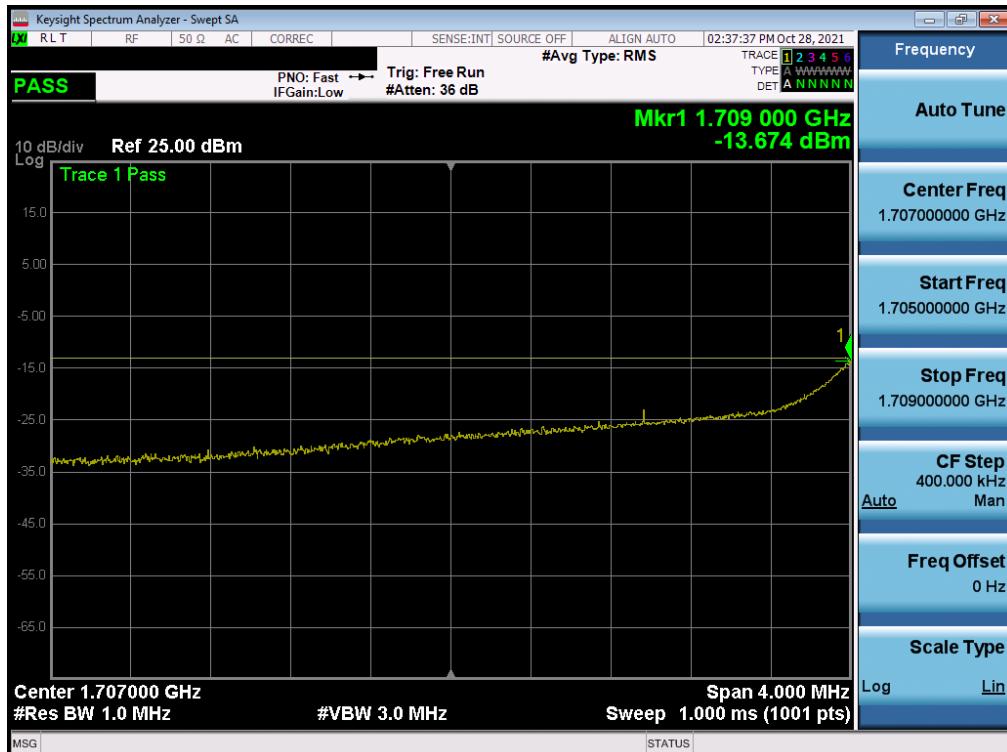
Plot 7-325. Upper Band Edge Plot (ULCA LTE Band 66 – (20+20)MHz QPSK – High Channel)

FCC ID: BCGA2589	 Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 187 of 305

WCDMA AWS



Plot 7-326. Lower Band Edge Plot (WCDMA AWS – Ch. 1312)

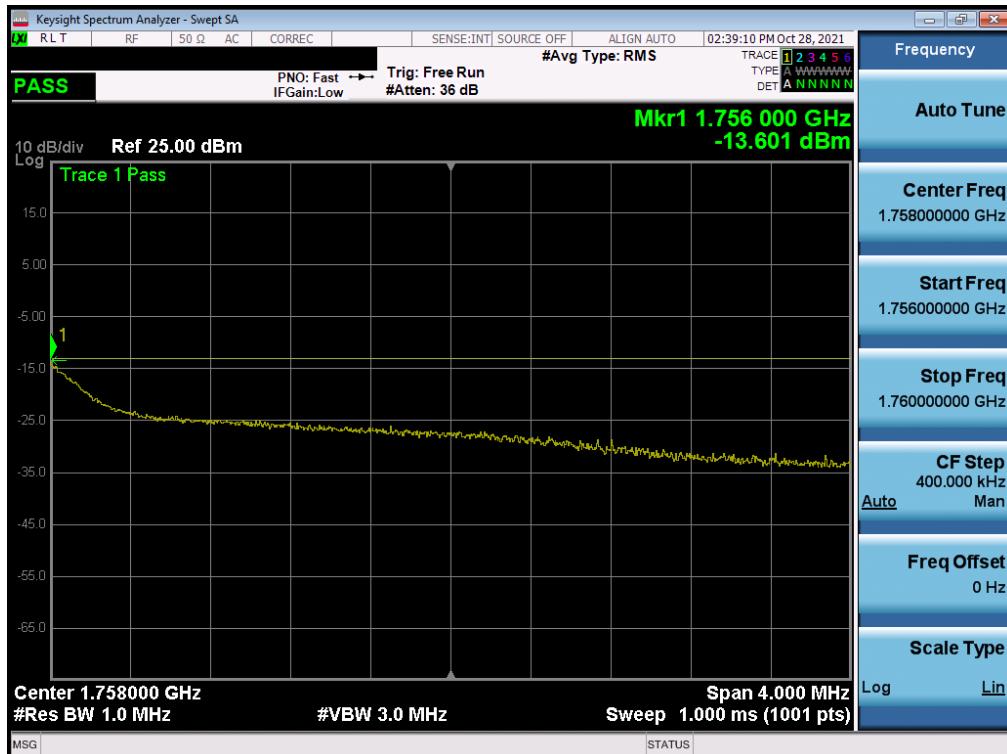


Plot 7-327. Lower Extended Band Edge Plot (WCDMA AWS – Ch. 1312)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 188 of 305



Plot 7-328. Upper Band Edge Plot (WCDMA AWS – Ch. 1513)



Plot 7-329. Upper Extended Band Edge Plot (WCDMA AWS – Ch. 1513)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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7.5 Peak-Average Ratio

§27.50(d)(5)

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. All ports were tested and only the worst case data were reported.

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.

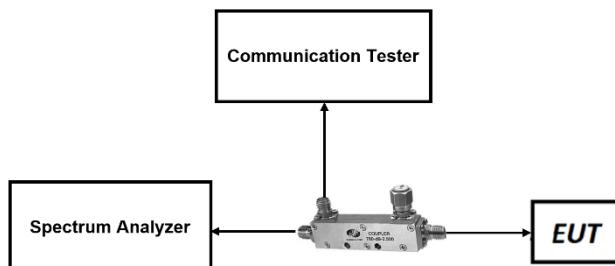


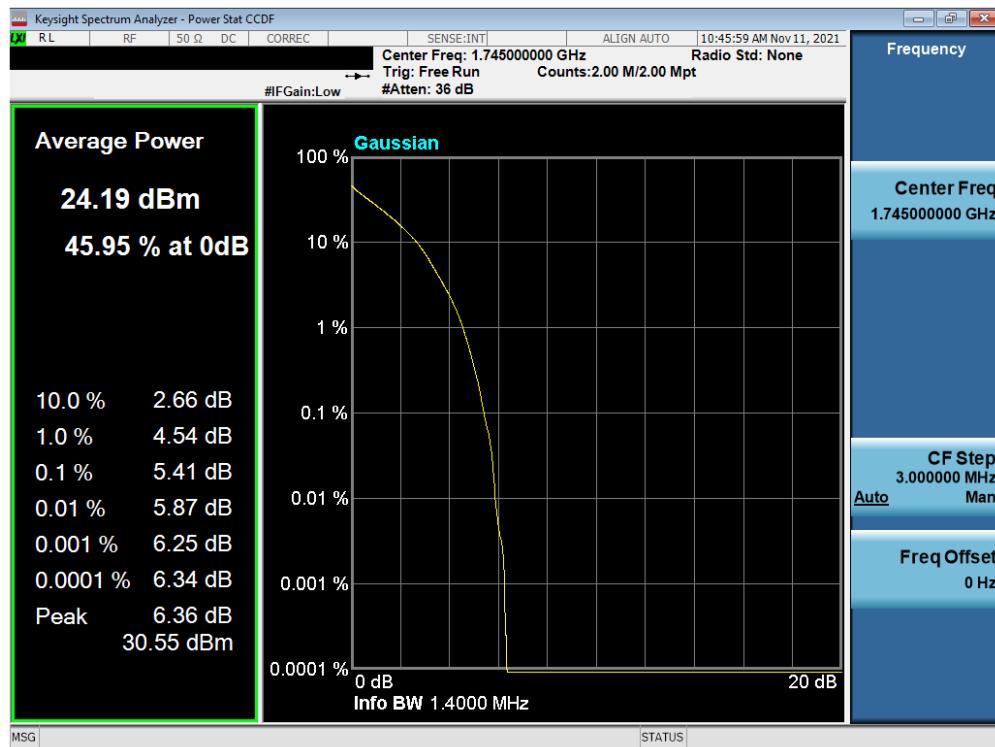
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

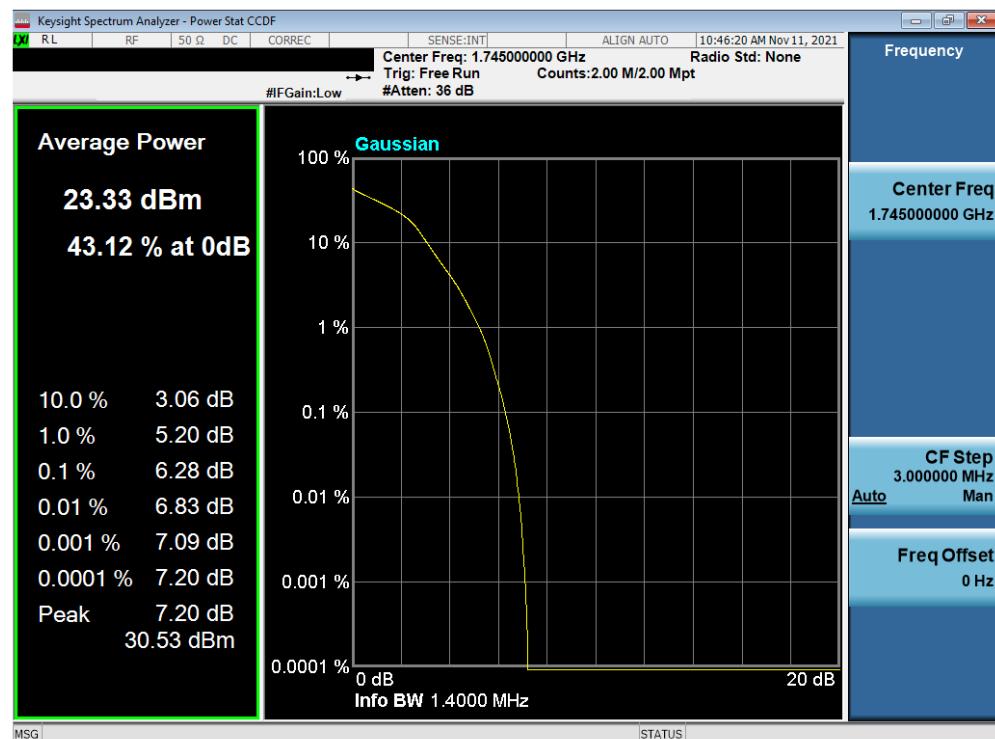
None.

FCC ID: BCGA2589	 PCTEST® Proud to be part of 		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 66

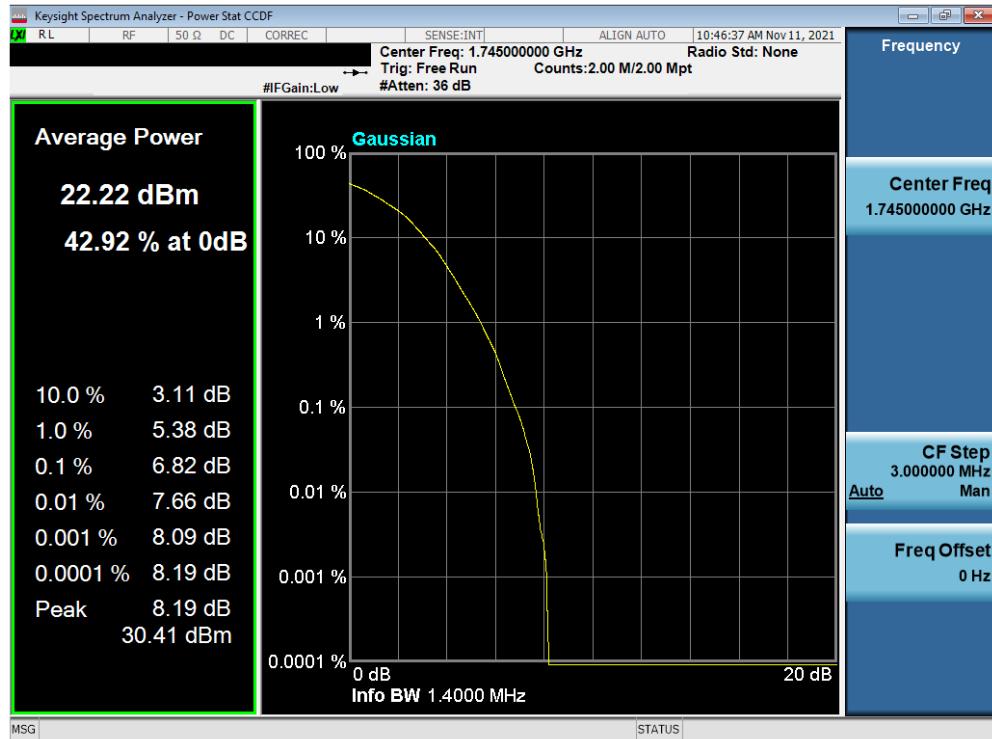


Plot 7-330. PAR Plot (LTE Band 66 - 1.4MHz QPSK - Full RB)

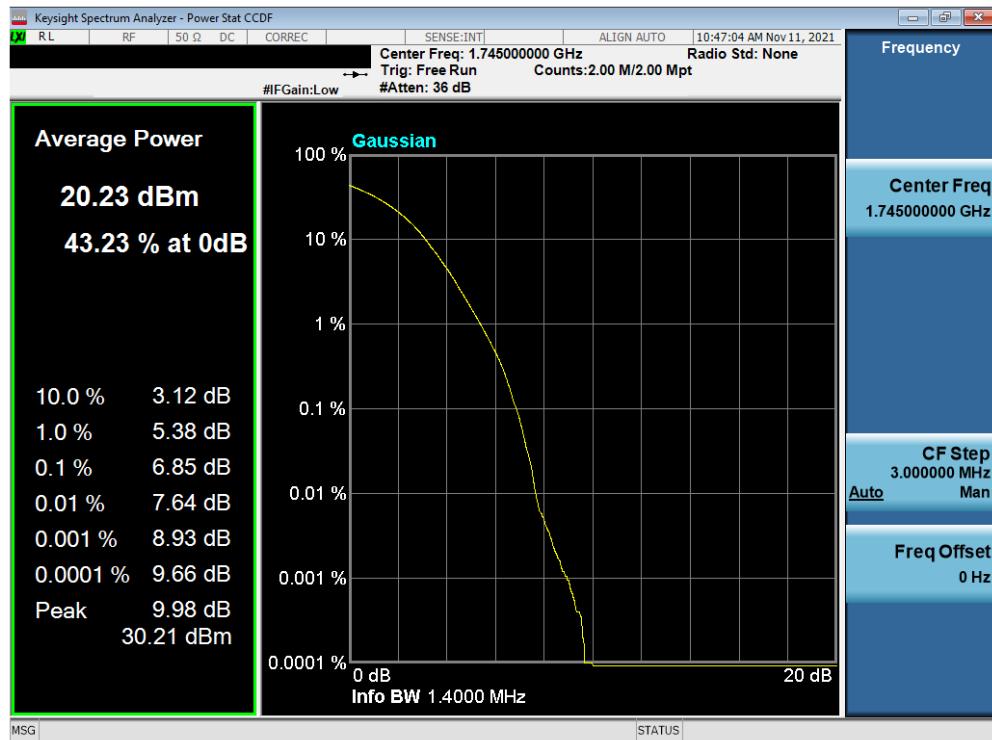


Plot 7-331. PAR Plot (LTE Band 66 - 1.4MHz 16-QAM - Full RB)

FCC ID: BCGA2589	 Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 191 of 305

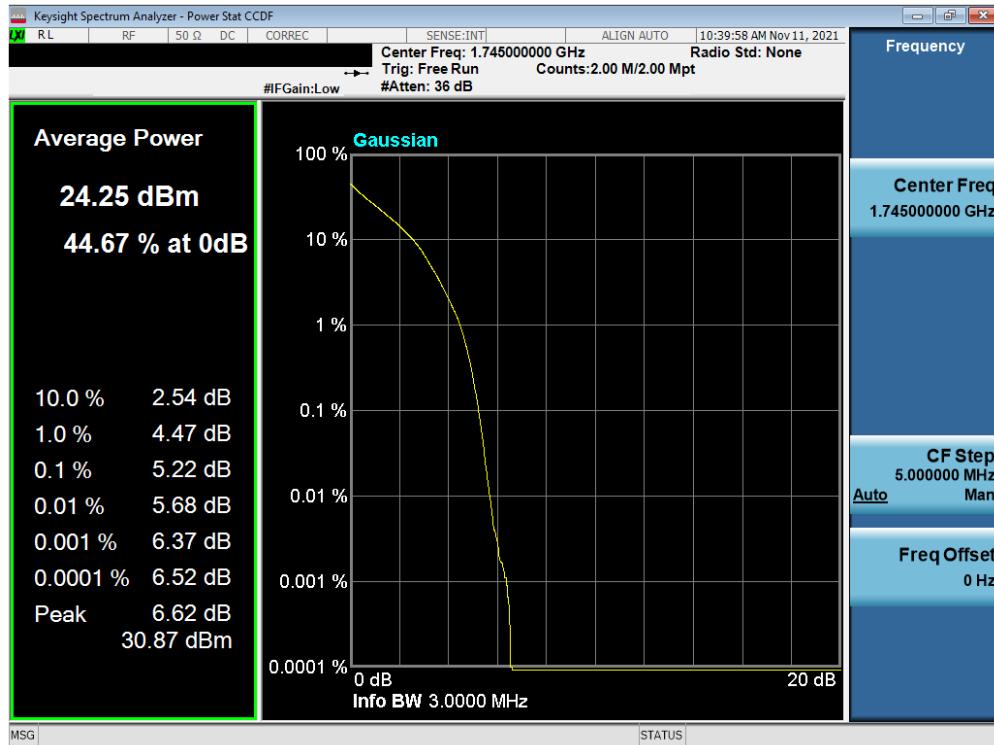


Plot 7-332. PAR Plot (LTE Band 66 - 1.4MHz 64-QAM - Full RB)

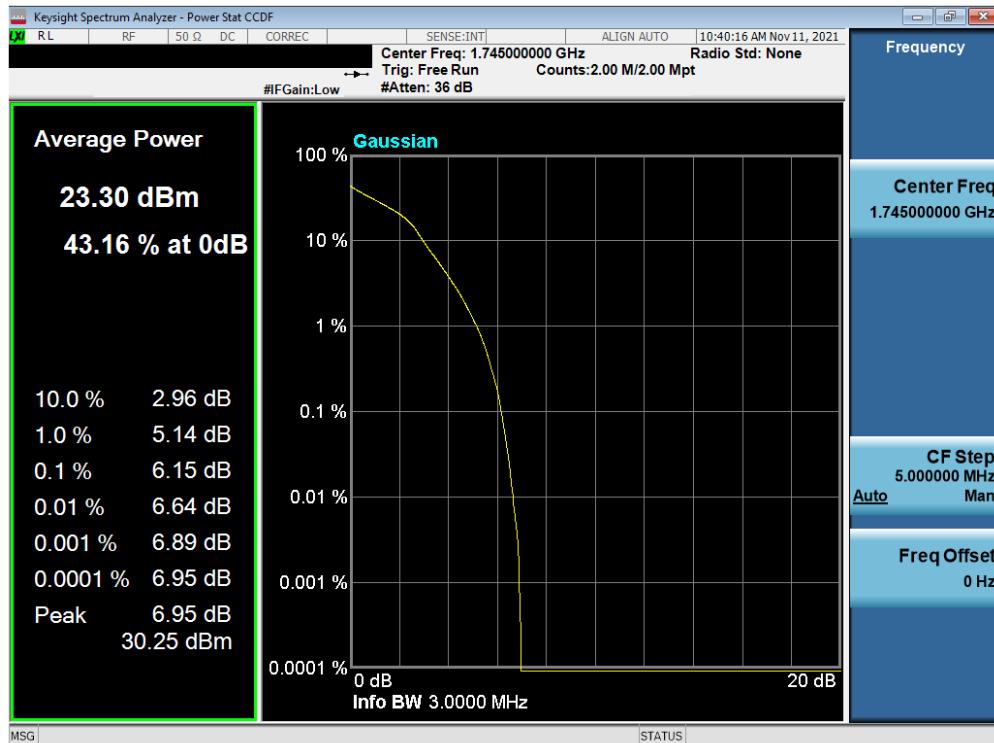


Plot 7-333. PAR Plot (LTE Band 66 - 1.4MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 192 of 305

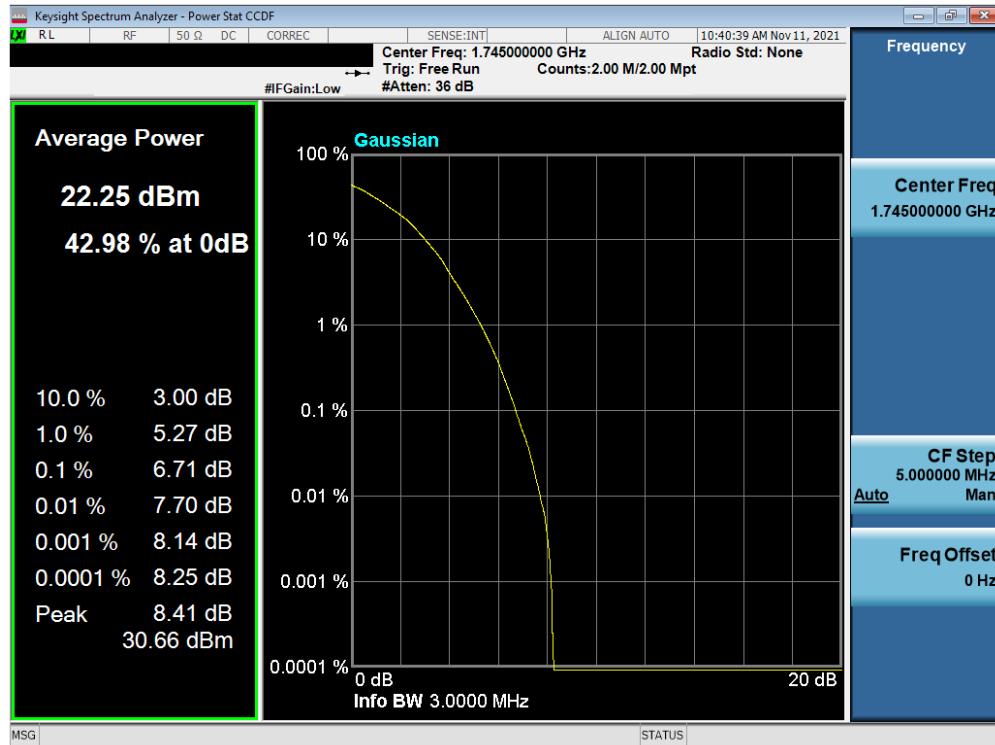


Plot 7-334. PAR Plot (LTE Band 66 - 3MHz QPSK - Full RB)

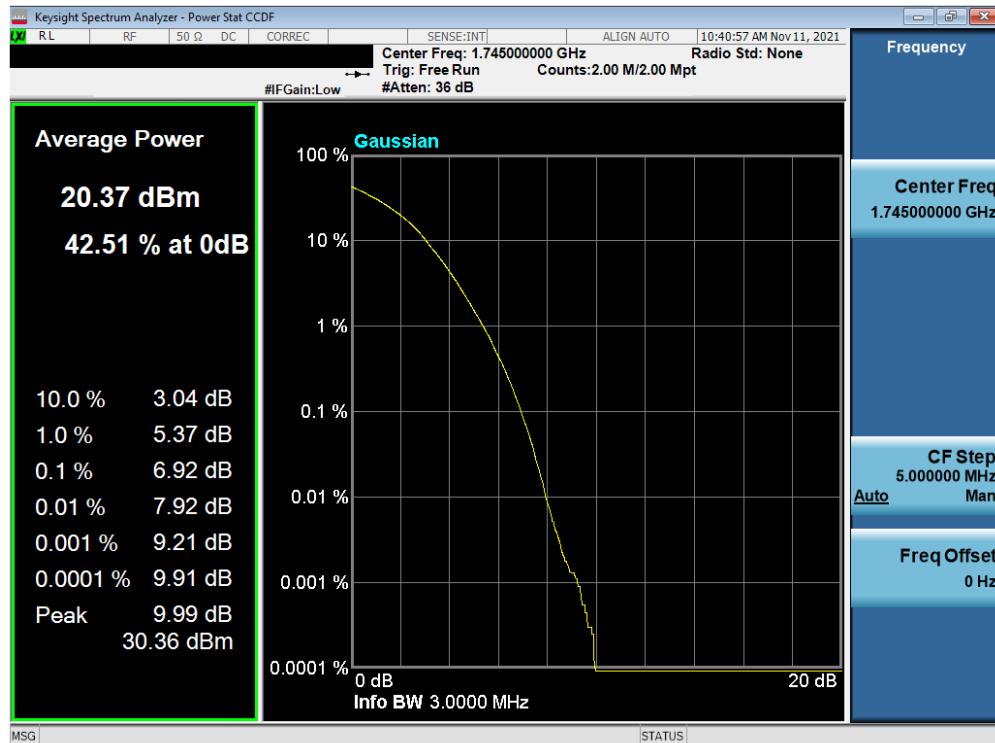


Plot 7-335. PAR Plot (LTE Band 66 - 3MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 193 of 305

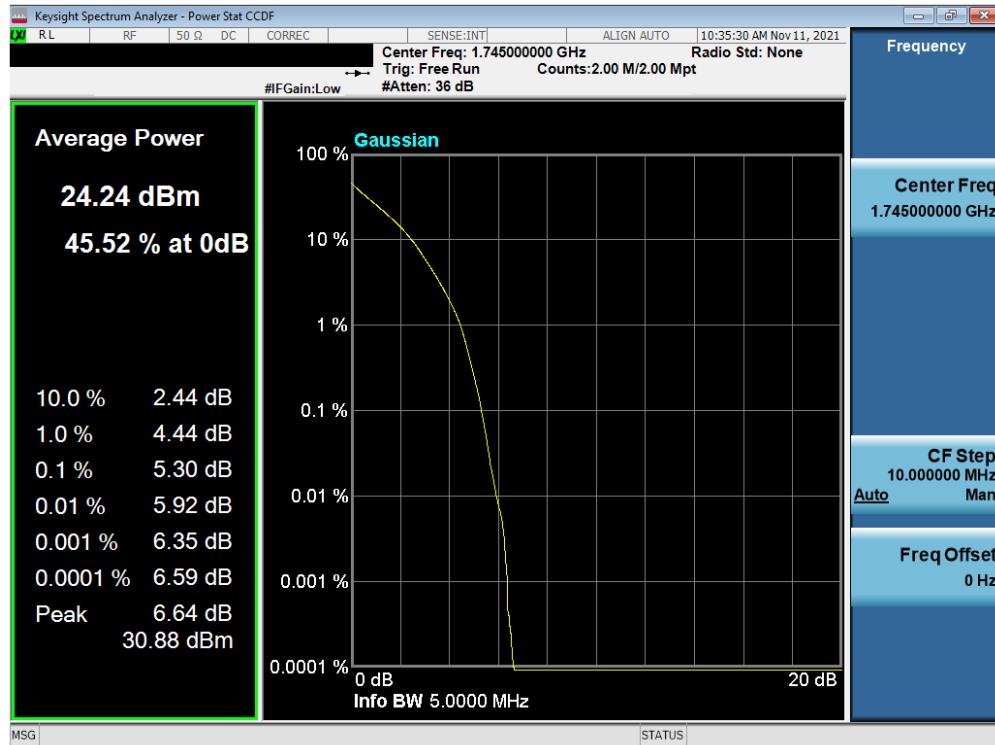


Plot 7-336. PAR Plot (LTE Band 66 - 3MHz 64-QAM - Full RB)

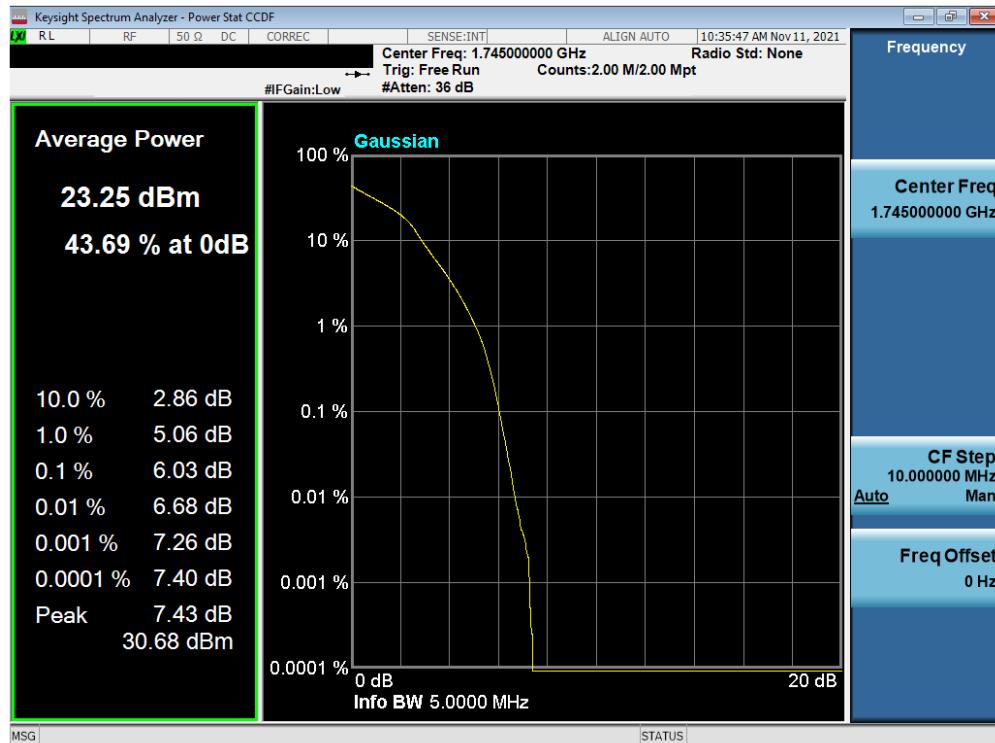


Plot 7-337. PAR Plot (LTE Band 66 - 3MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 194 of 305

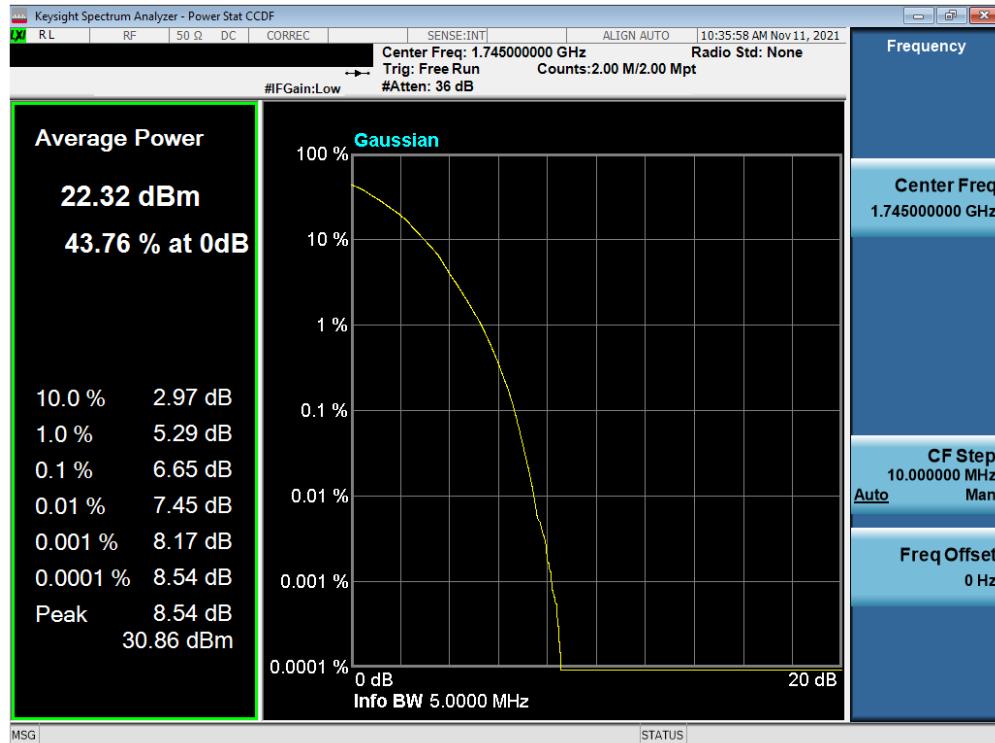


Plot 7-338. PAR Plot (LTE Band 66 - 5MHz QPSK - Full RB)

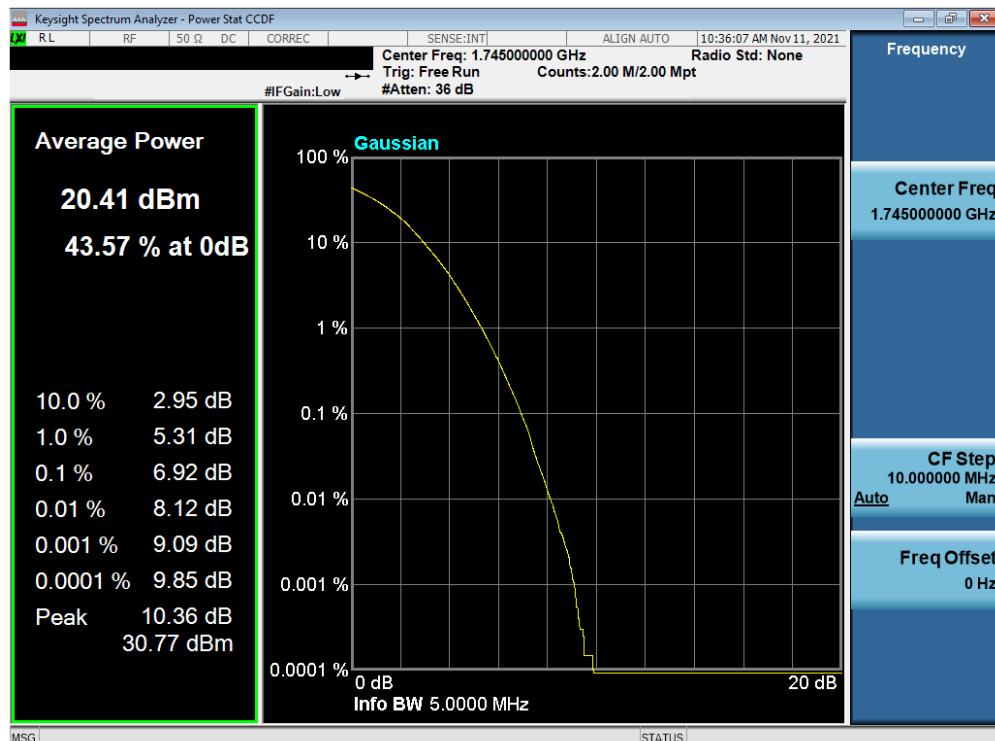


Plot 7-339. PAR Plot (LTE Band 66 - 5MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			

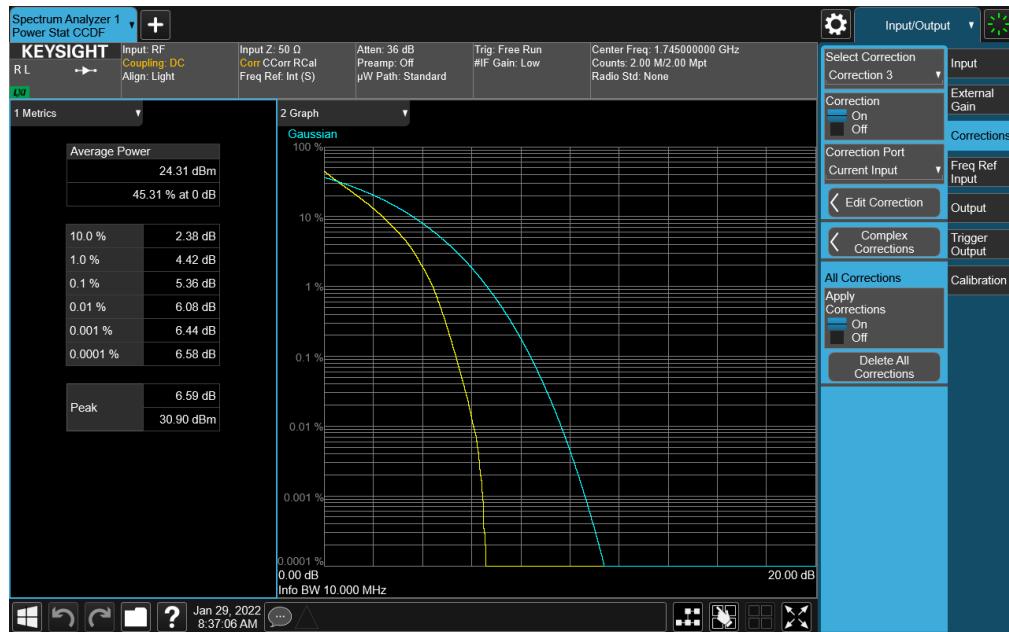


Plot 7-340. PAR Plot (LTE Band 66 - 5MHz 64-QAM - Full RB)

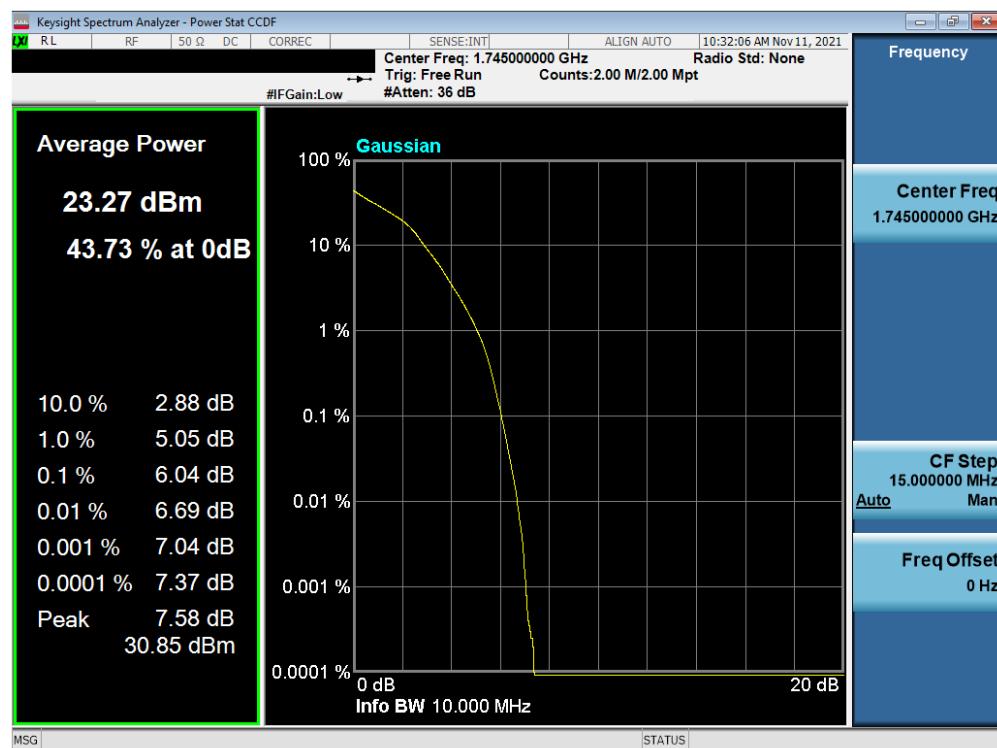


Plot 7-341. PAR Plot (LTE Band 66 - 5MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 196 of 305

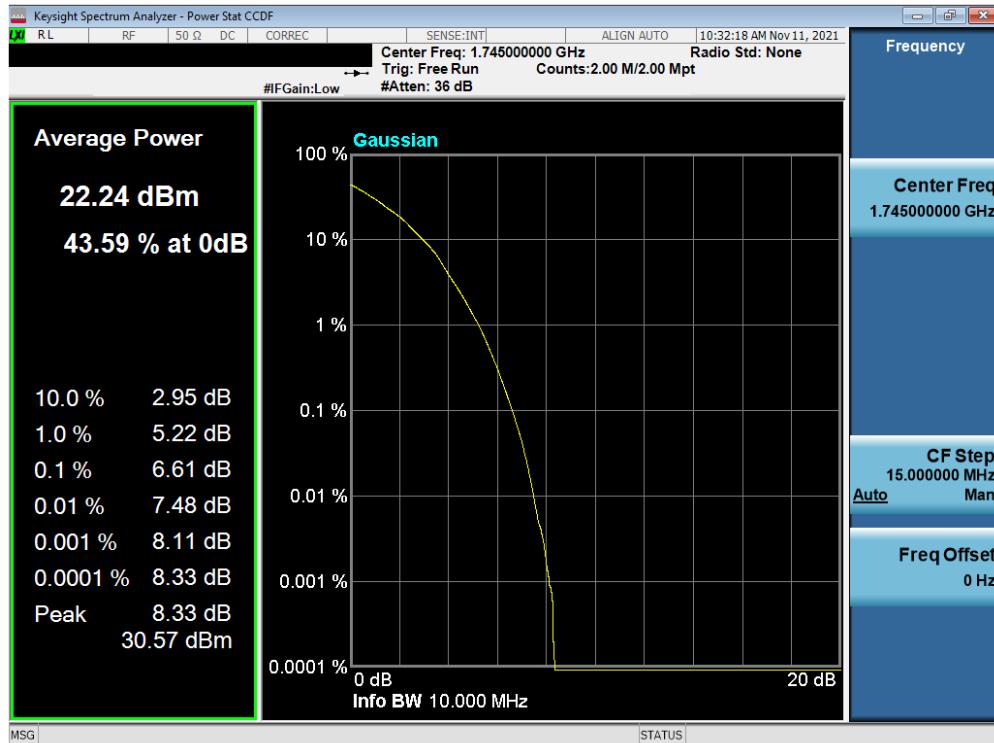


Plot 7-342. PAR Plot (LTE Band 66 - 10MHz QPSK - Full RB)

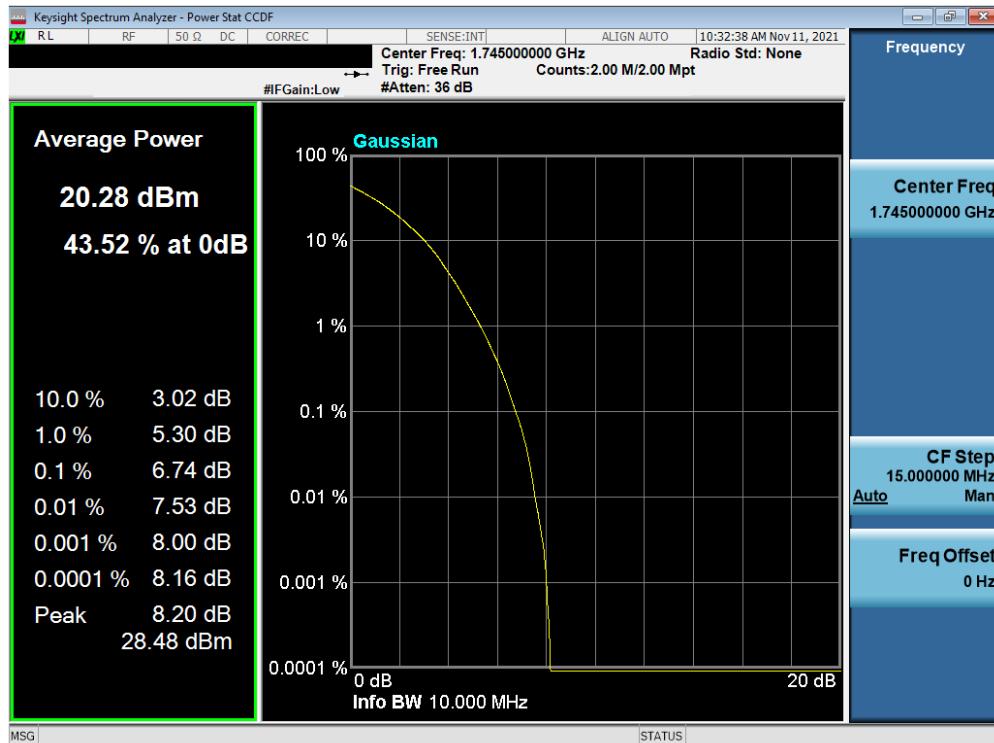


Plot 7-343. PAR Plot (LTE Band 66 - 10MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 197 of 305

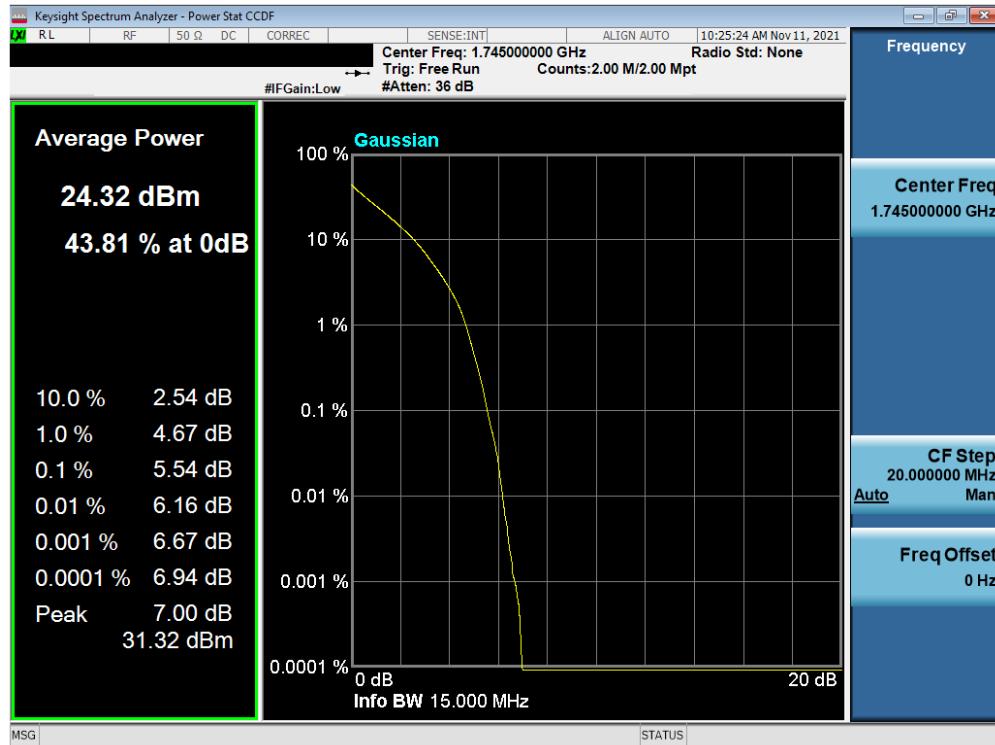


Plot 7-344. PAR Plot (LTE Band 66 - 10MHz 64-QAM - Full RB)

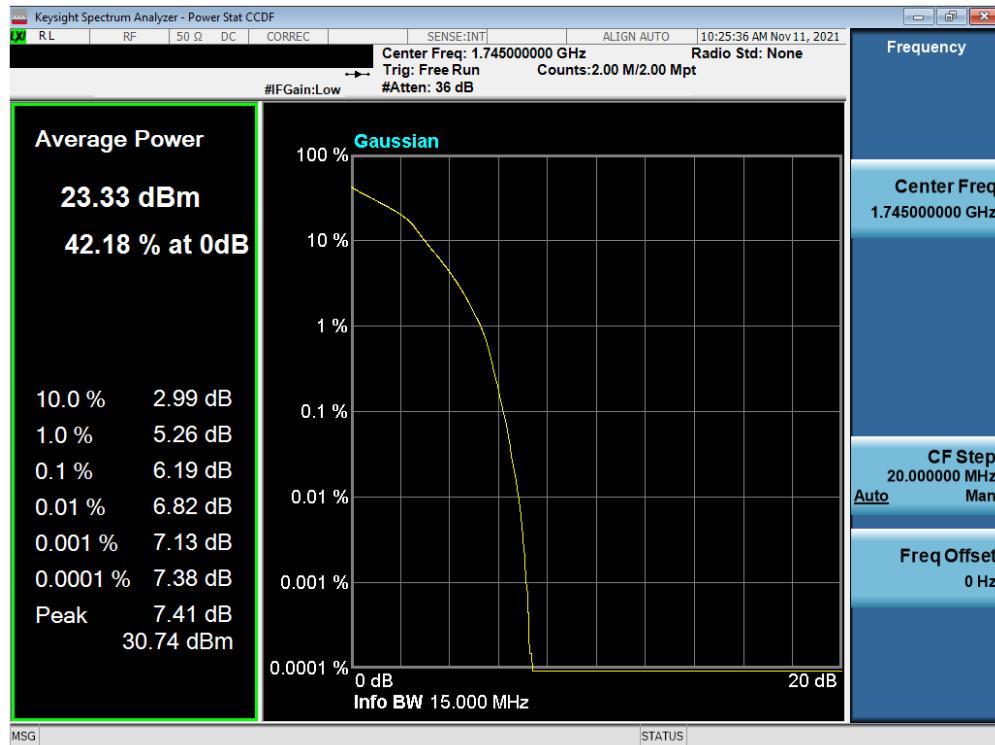


Plot 7-345. PAR Plot (LTE Band 66 - 10MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 198 of 305

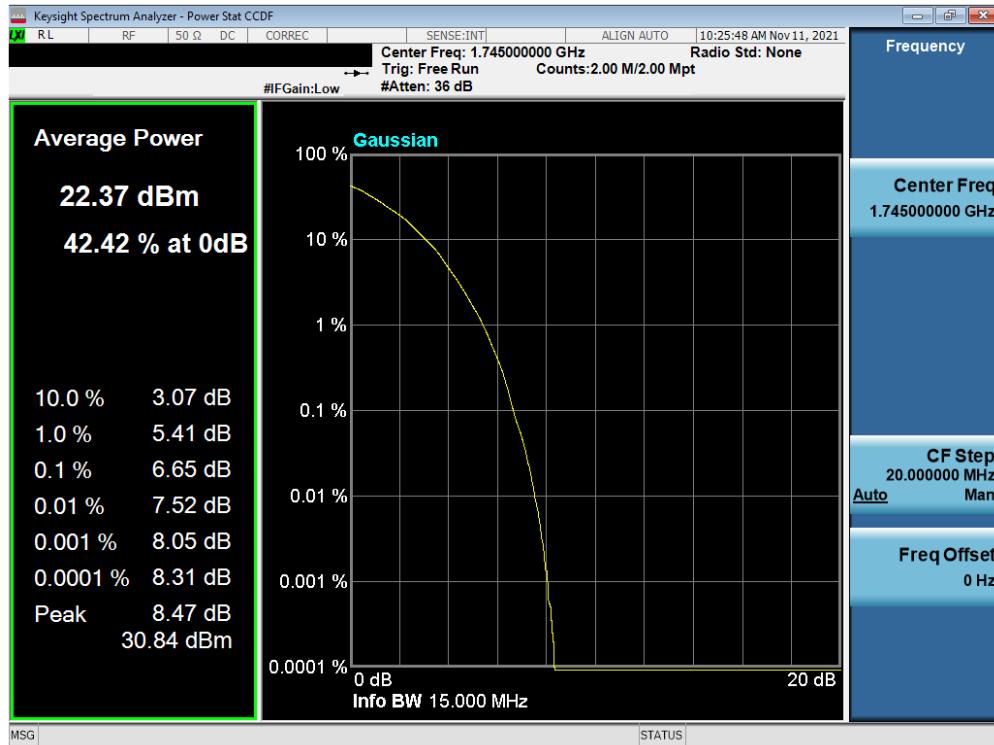


Plot 7-346. PAR Plot (LTE Band 66 - 15MHz QPSK - Full RB)

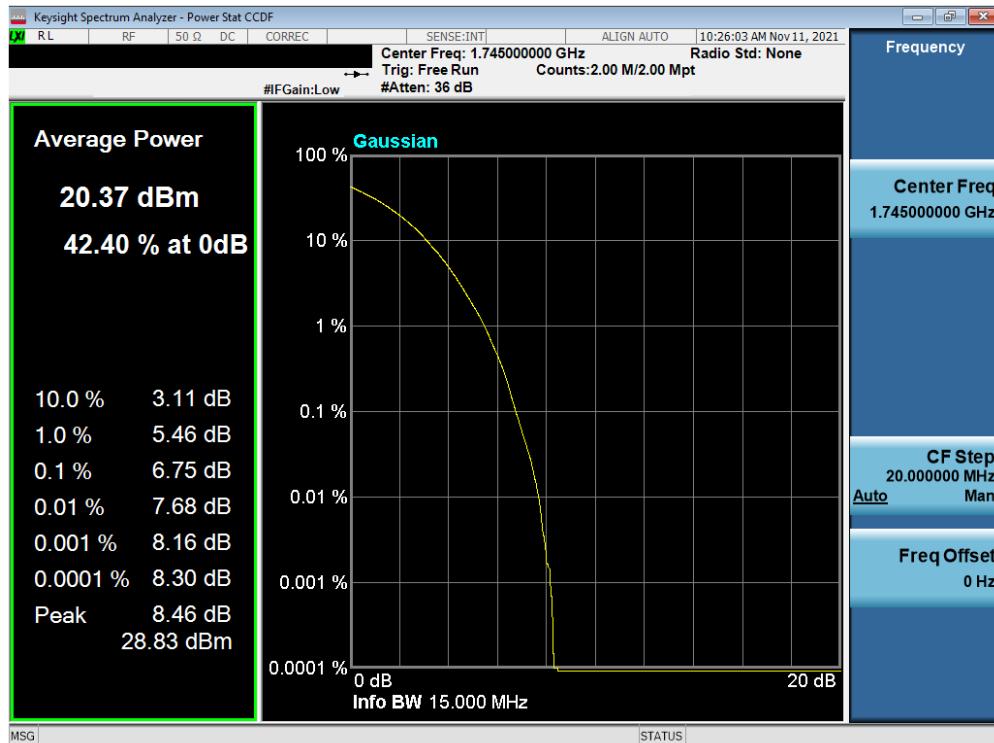


Plot 7-347. PAR Plot (LTE Band 66 - 15MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			

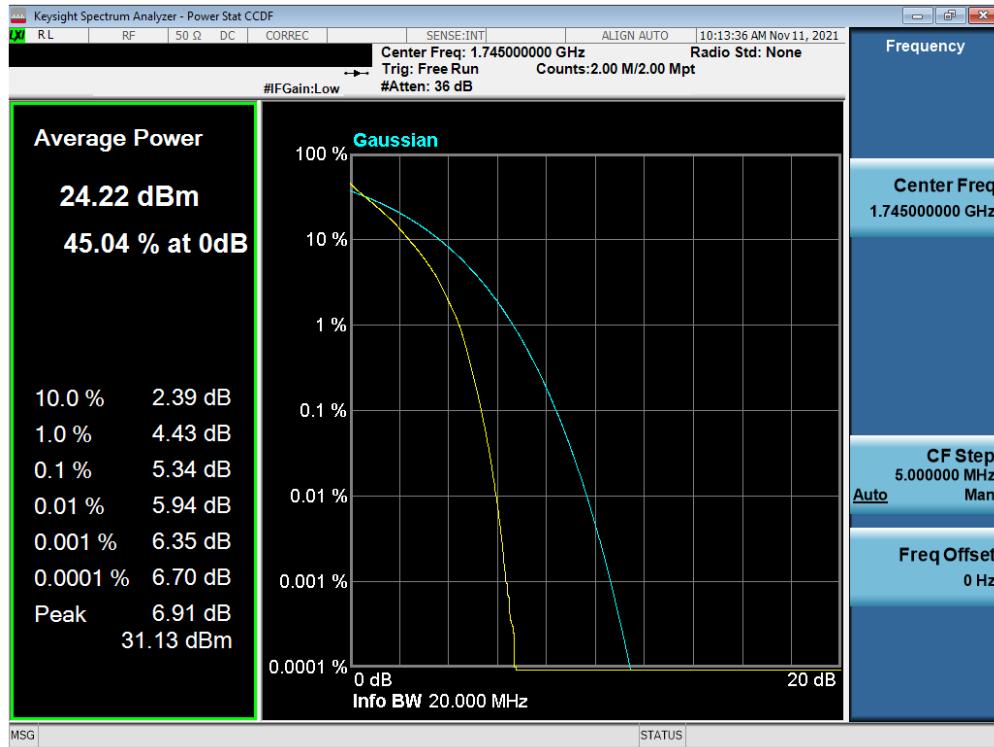


Plot 7-348. PAR Plot (LTE Band 66 - 15MHz 64-QAM - Full RB)

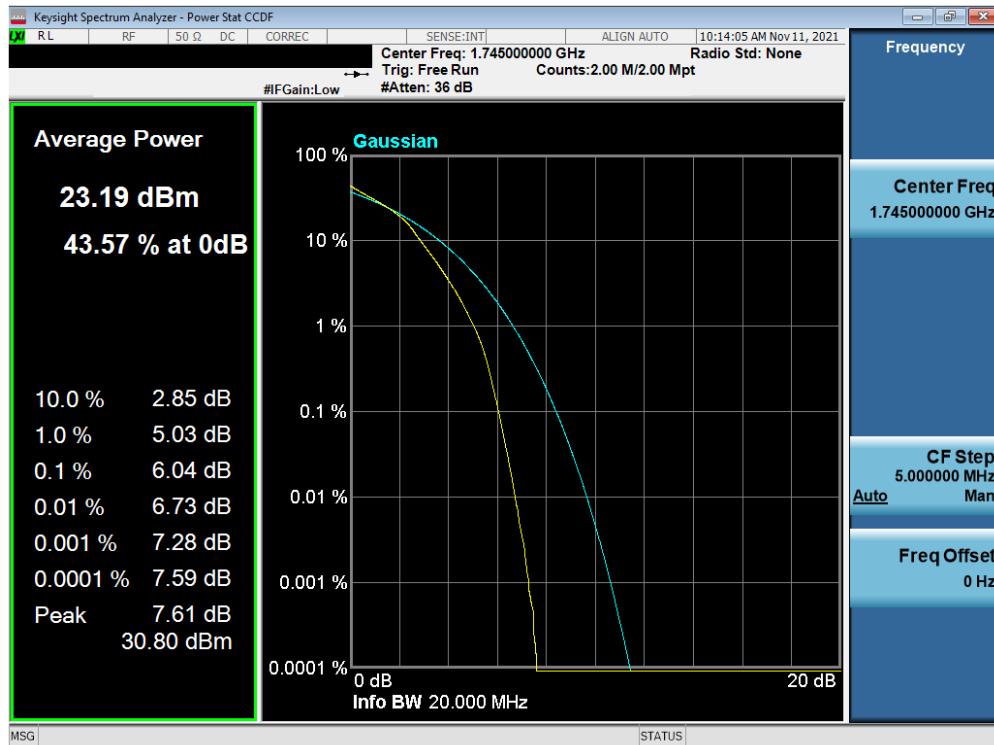


Plot 7-349. PAR Plot (LTE Band 66 - 15MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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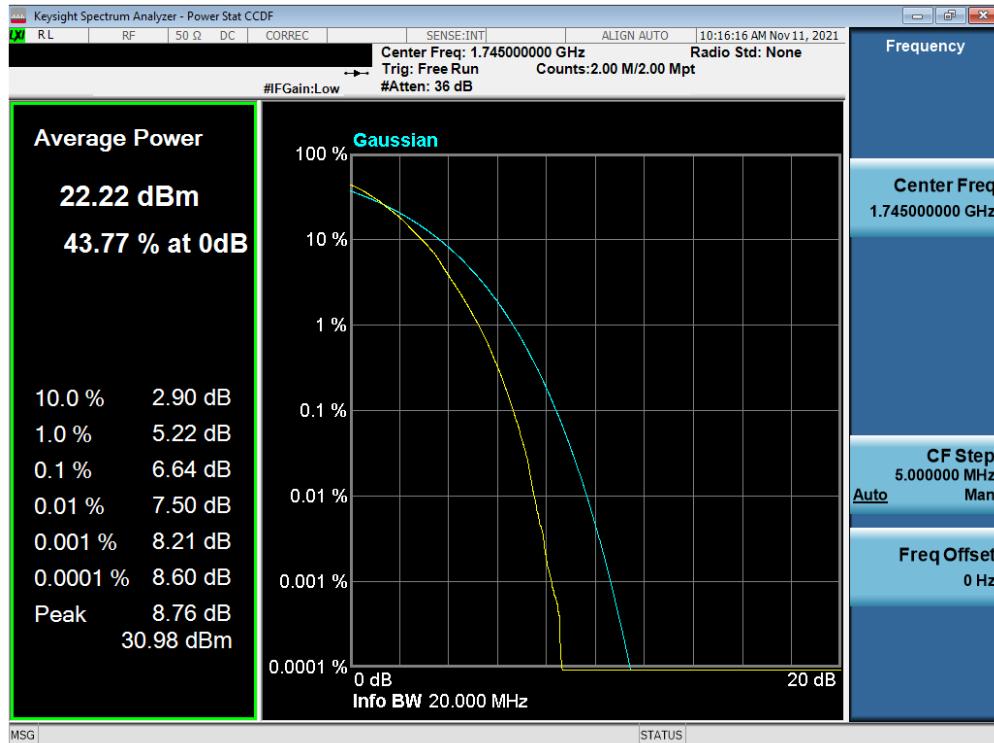


Plot 7-350. PAR Plot (LTE Band 66 - 20MHz QPSK - Full RB)

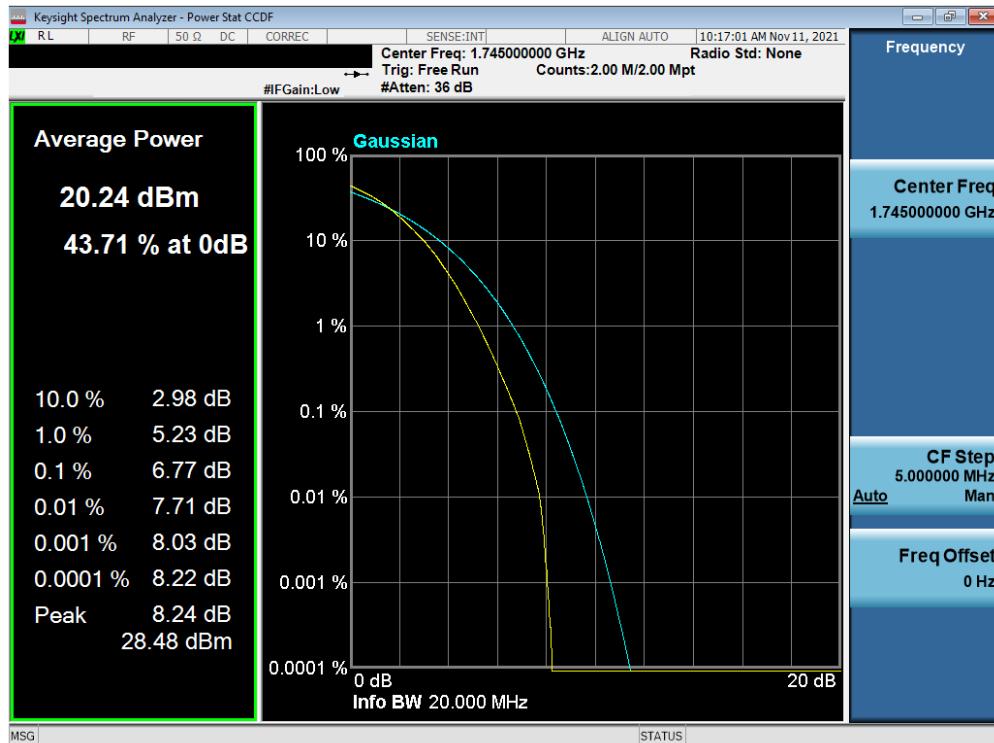


Plot 7-351. PAR Plot (LTE Band 66 - 20MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 201 of 305



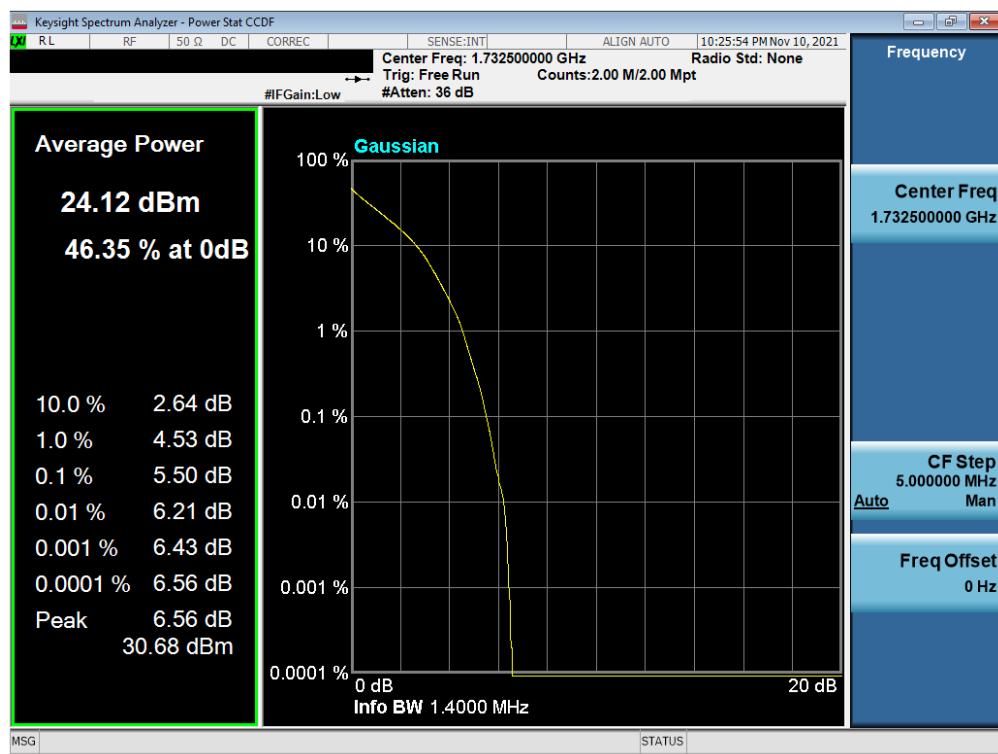
Plot 7-352. PAR Plot (LTE Band 66 - 20MHz 64-QAM - Full RB)



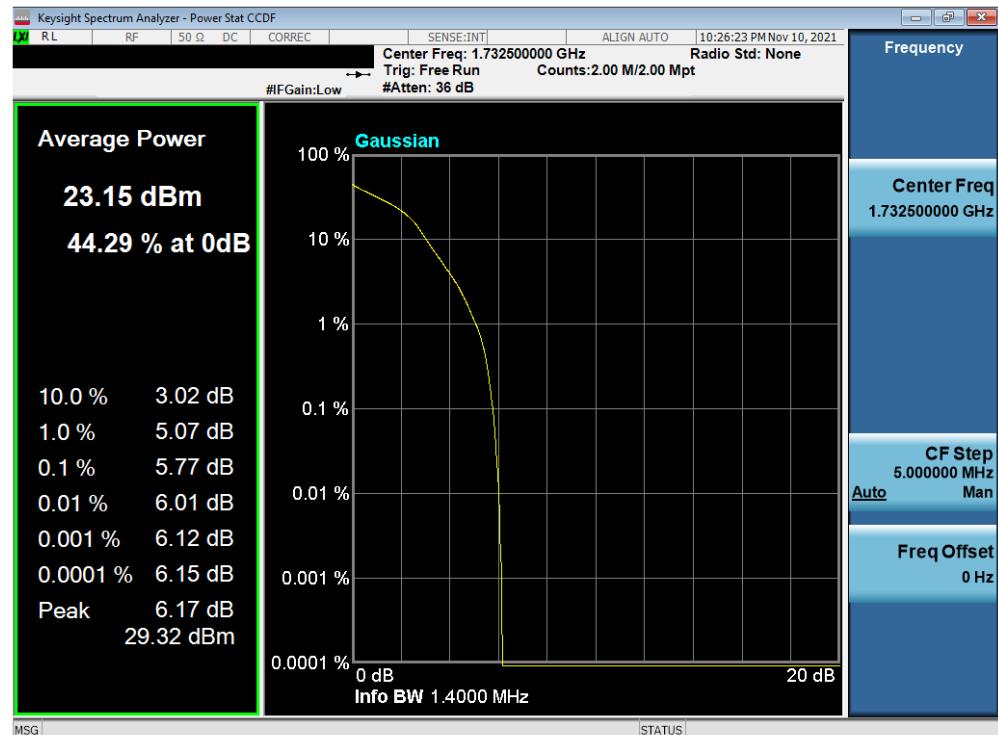
Plot 7-353. PAR Plot (LTE Band 66 - 20MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 202 of 305

LTE Band 4

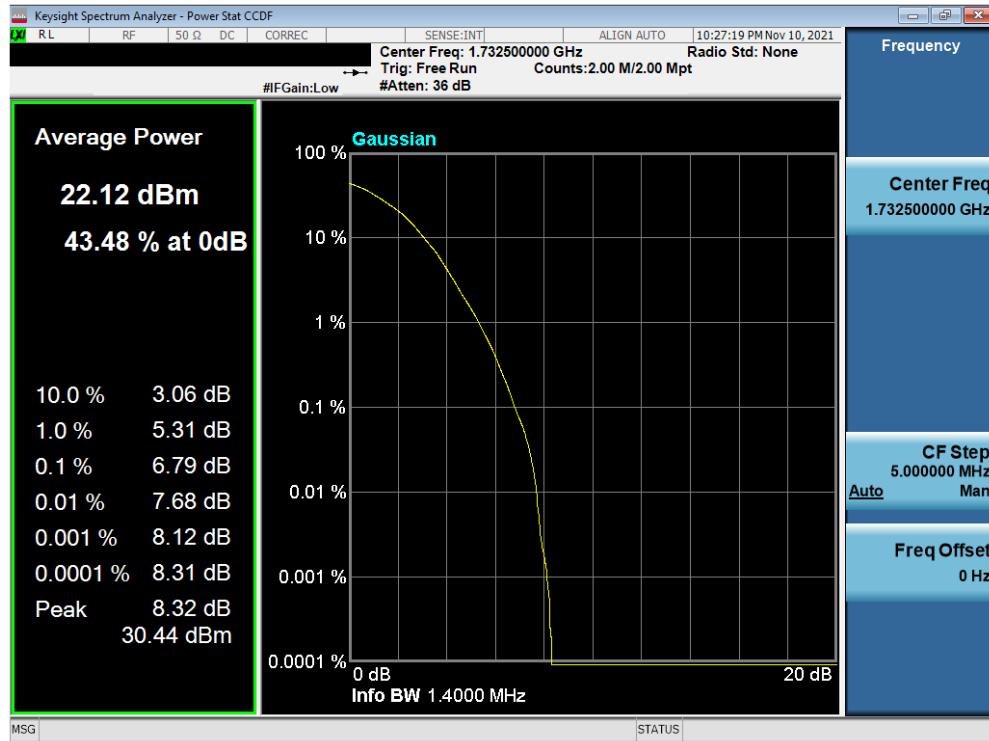


Plot 7-354. PAR Plot (LTE Band 4 - 1.4MHz QPSK - Full RB)

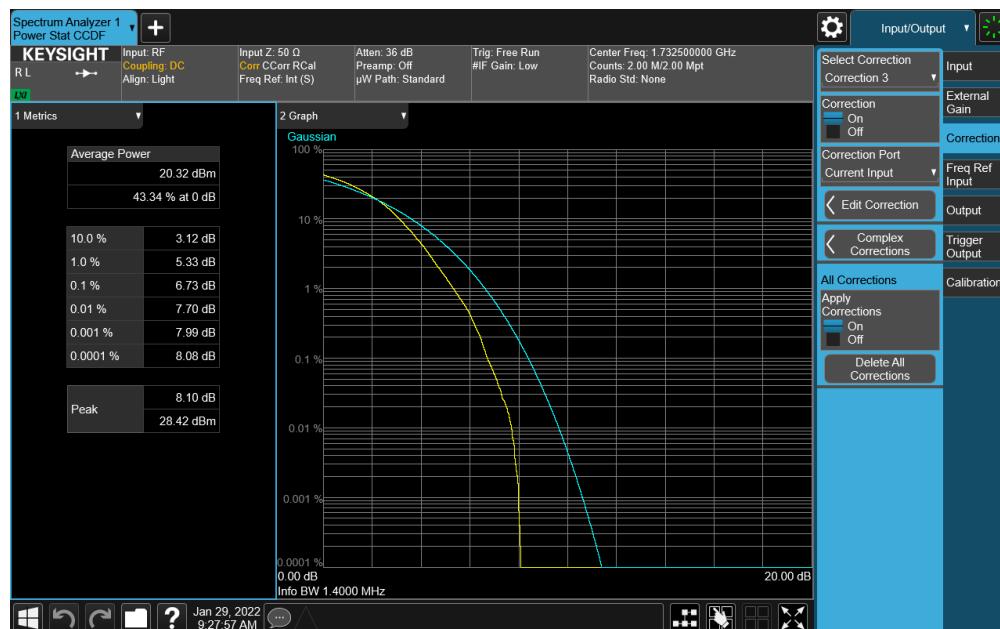


Plot 7-355. PAR Plot (LTE Band 4 - 1.4MHz 16-QAM - Full RB)

FCC ID: BCGA2589	 PCTEST® Proud to be part of  PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 203 of 305

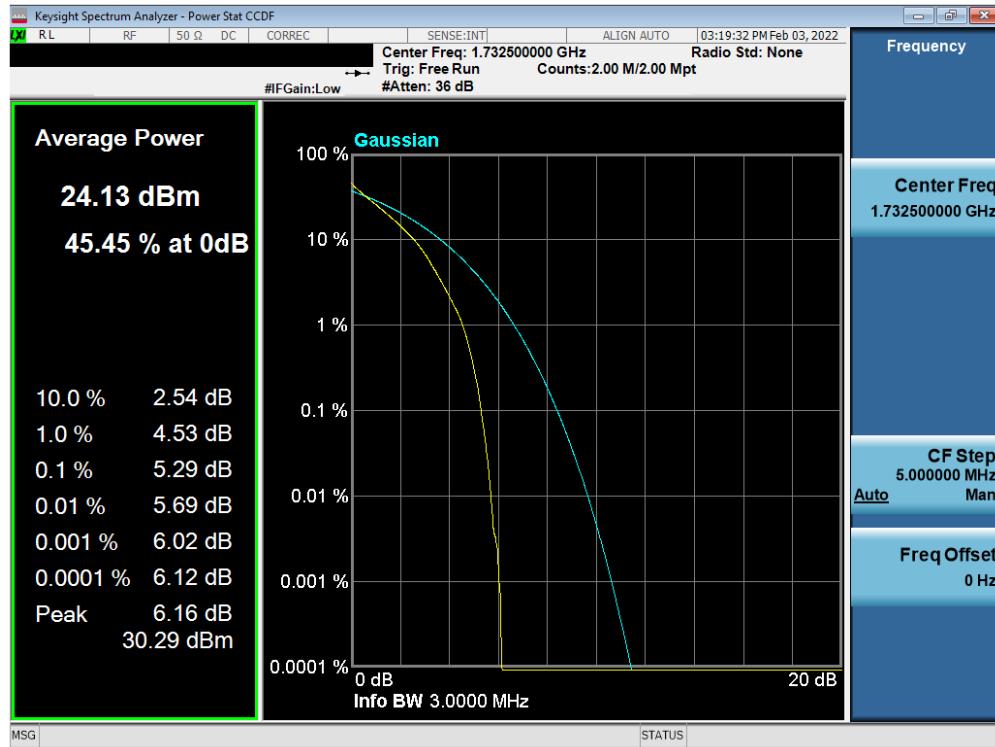


Plot 7-356. PAR Plot (LTE Band 4 - 1.4MHz 64-QAM - Full RB)

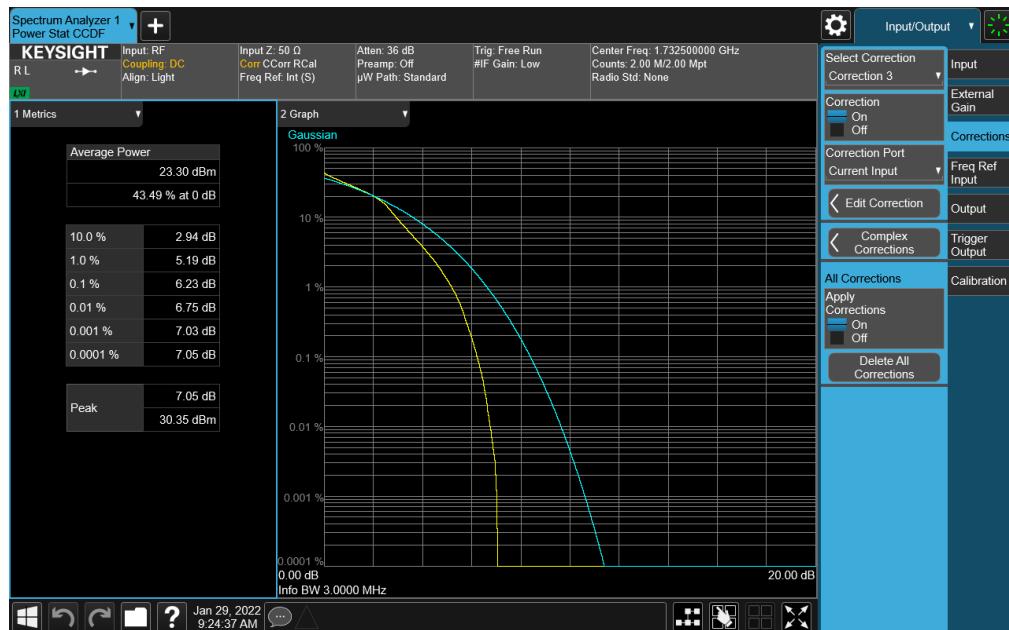


Plot 7-357. PAR Plot (LTE Band 4 - 1.4MHz 256-QAM - Full RB)

FCC ID: BCGA2589	 PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 204 of 305

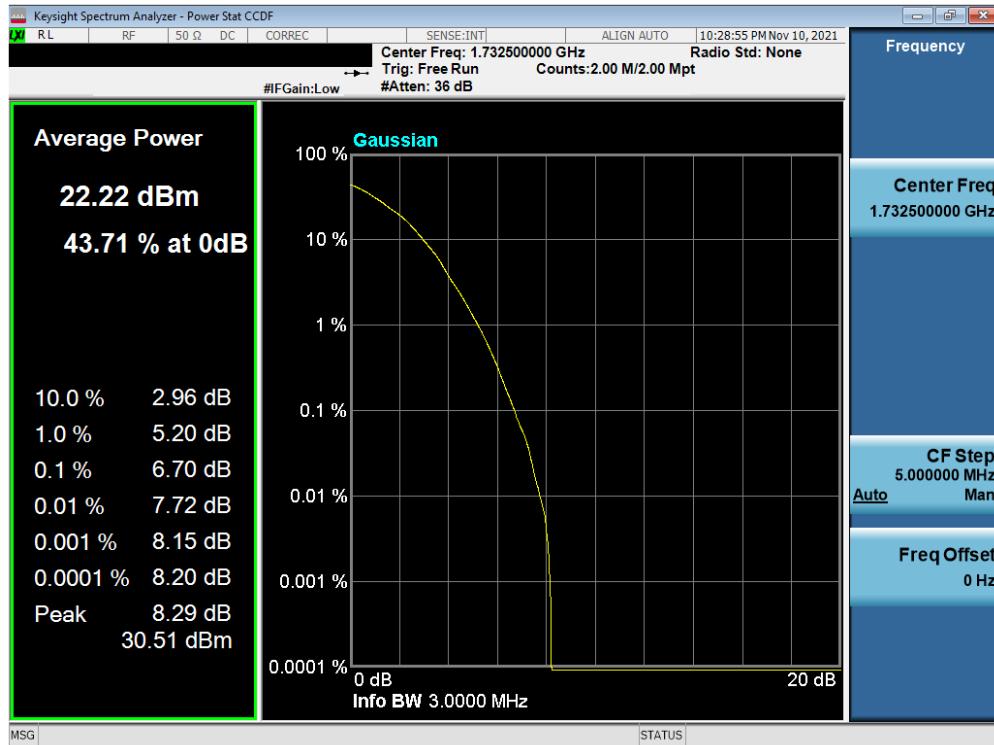


Plot 7-358. PAR Plot (LTE Band 4 - 3MHz QPSK - Full RB)

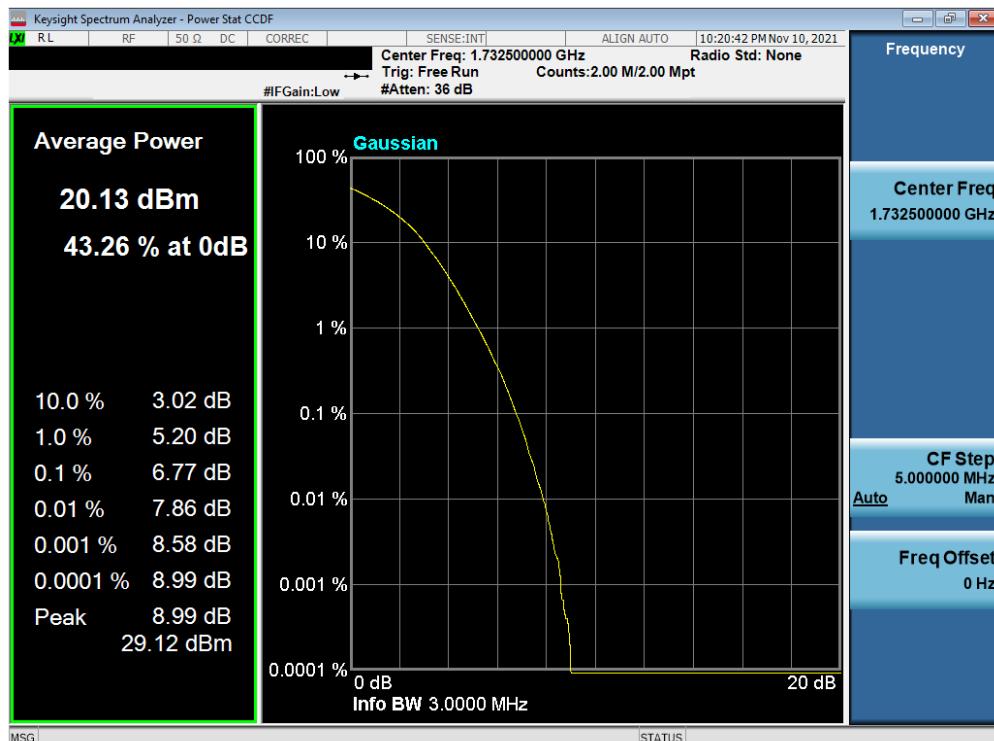


Plot 7-359. PAR Plot (LTE Band 4 - 3MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 205 of 305

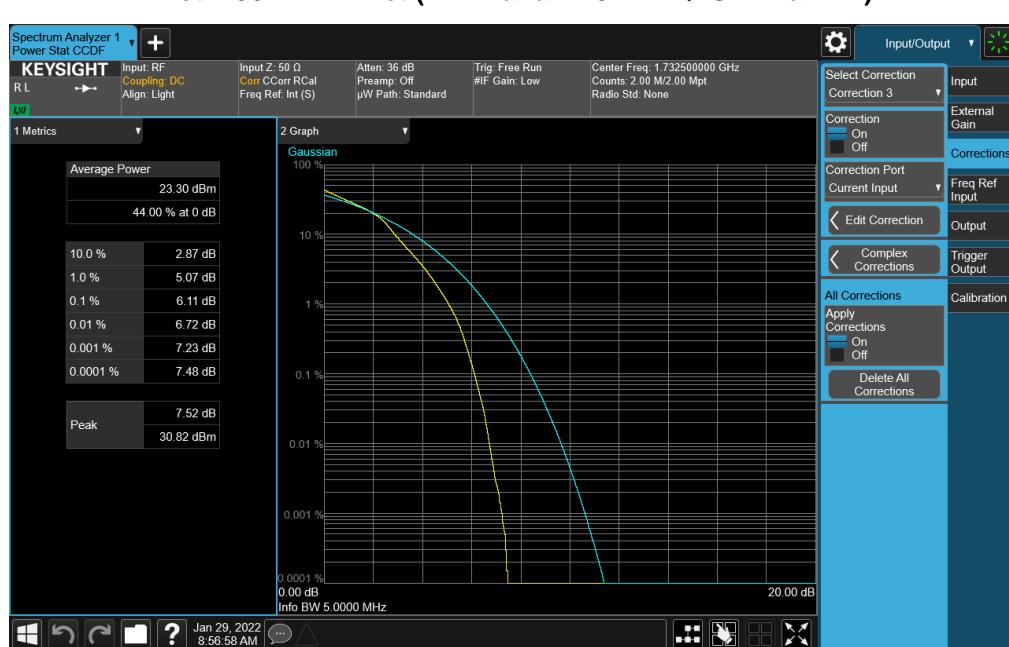
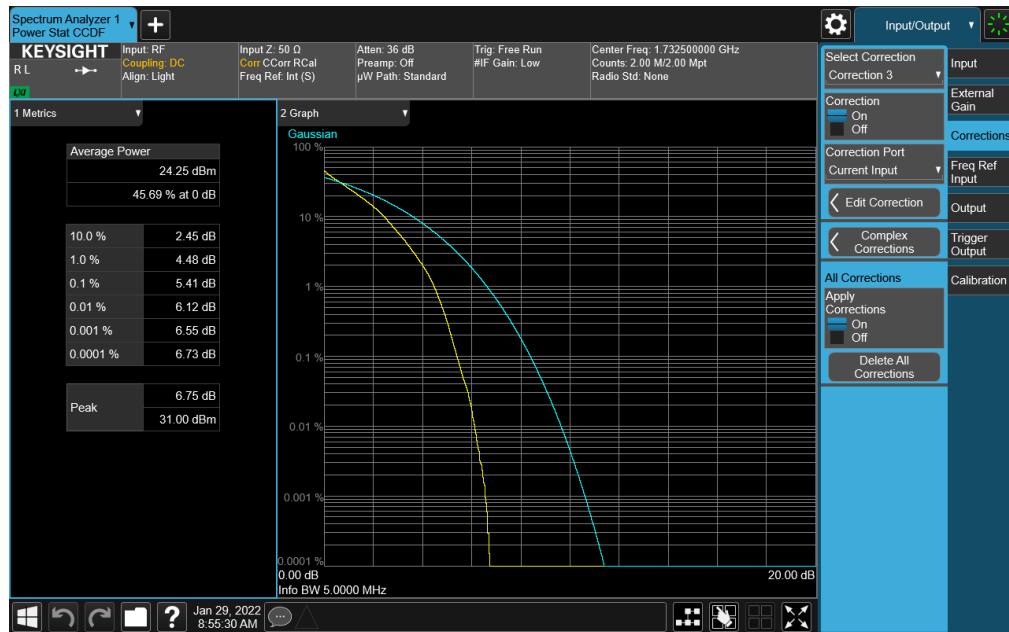


Plot 7-360. PAR Plot (LTE Band 4 - 3MHz 64-QAM - Full RB)

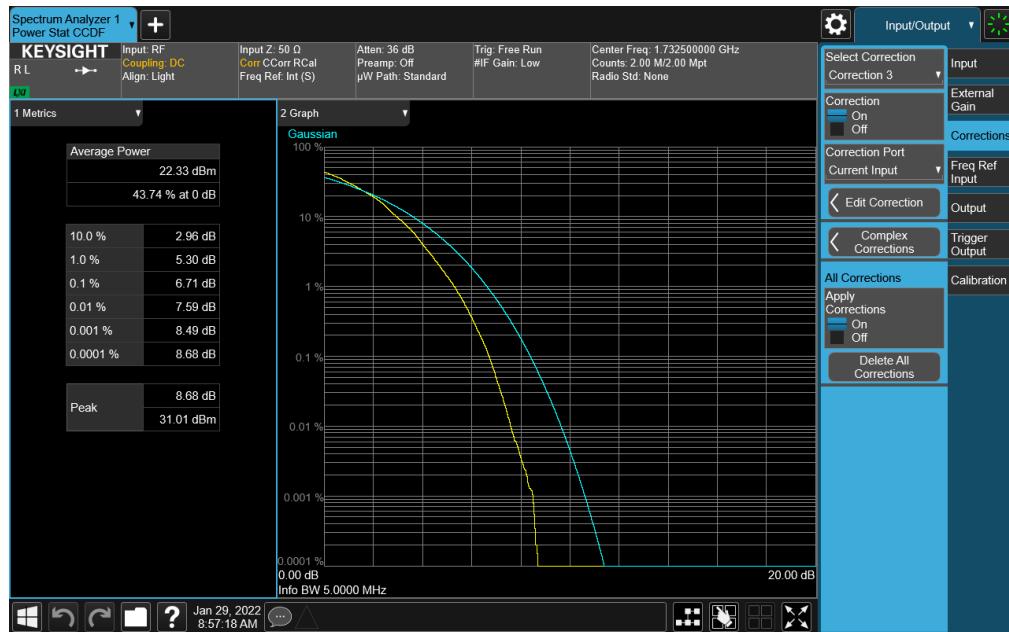


Plot 7-361. PAR Plot (LTE Band 4 - 3MHz 256-QAM - Full RB)

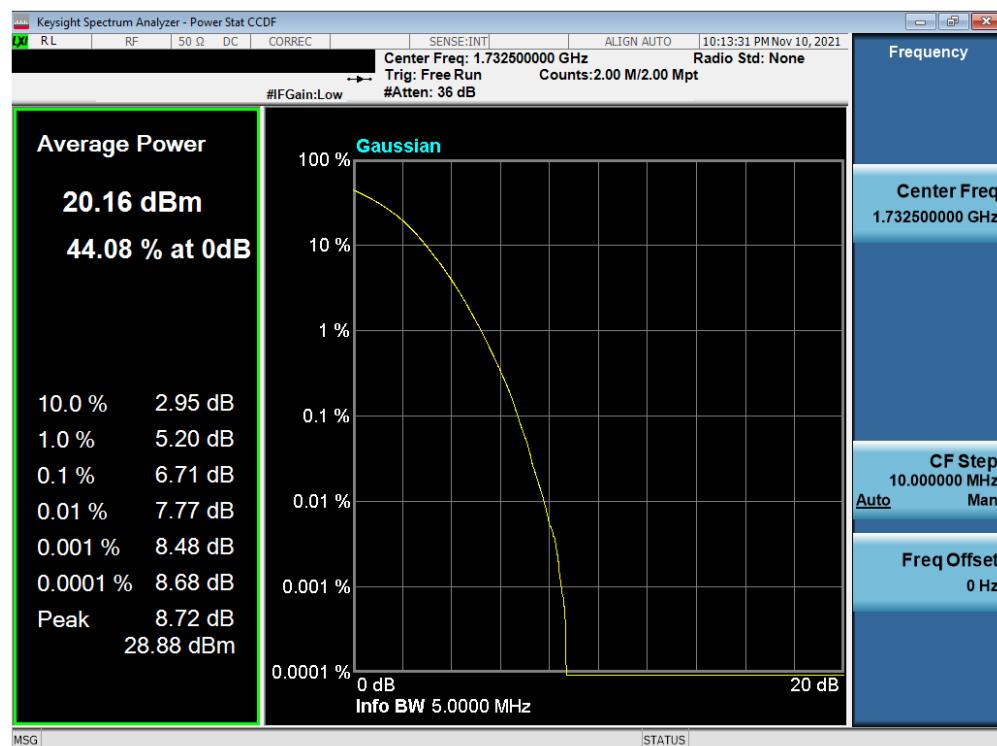
FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 206 of 305



FCC ID: BCGA2589	 PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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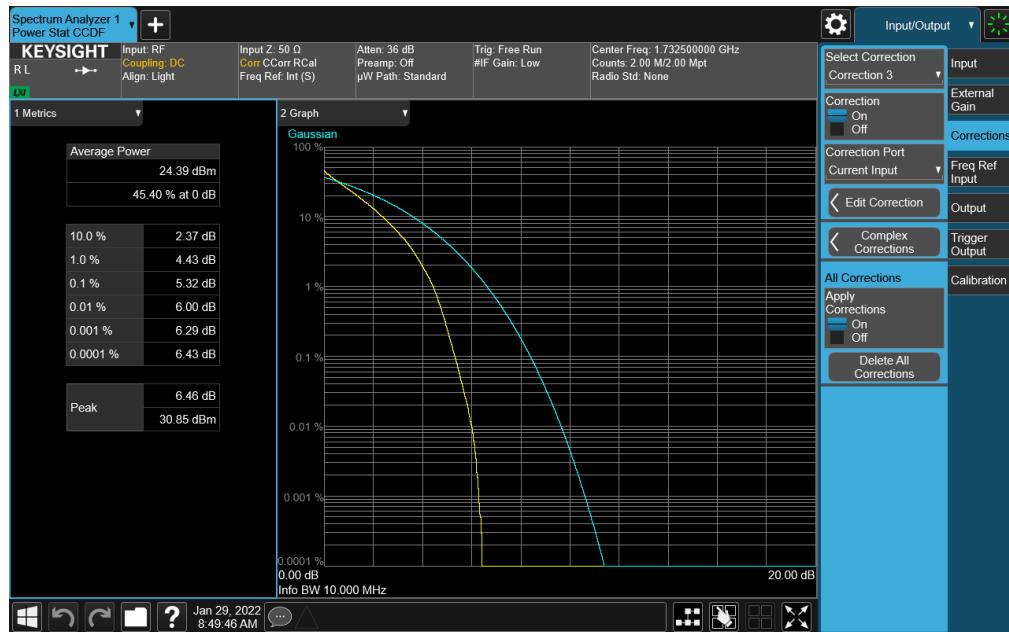


Plot 7-364. PAR Plot (LTE Band 4 - 5MHz 64-QAM - Full RB)

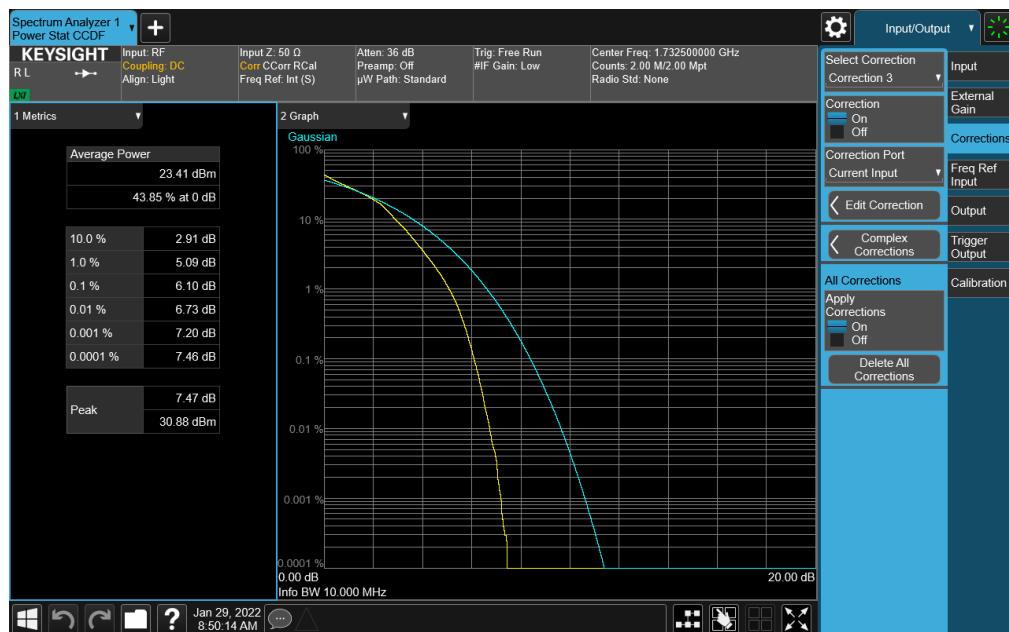


Plot 7-365. PAR Plot (LTE Band 4 - 5MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 208 of 305

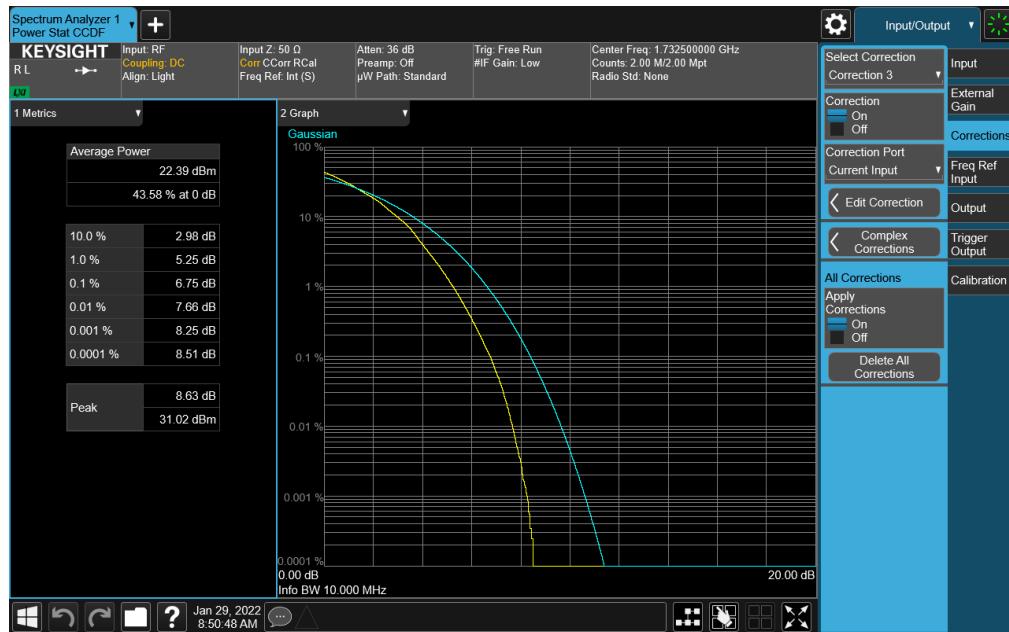


Plot 7-366. PAR Plot (LTE Band 4 - 10MHz QPSK - Full RB)

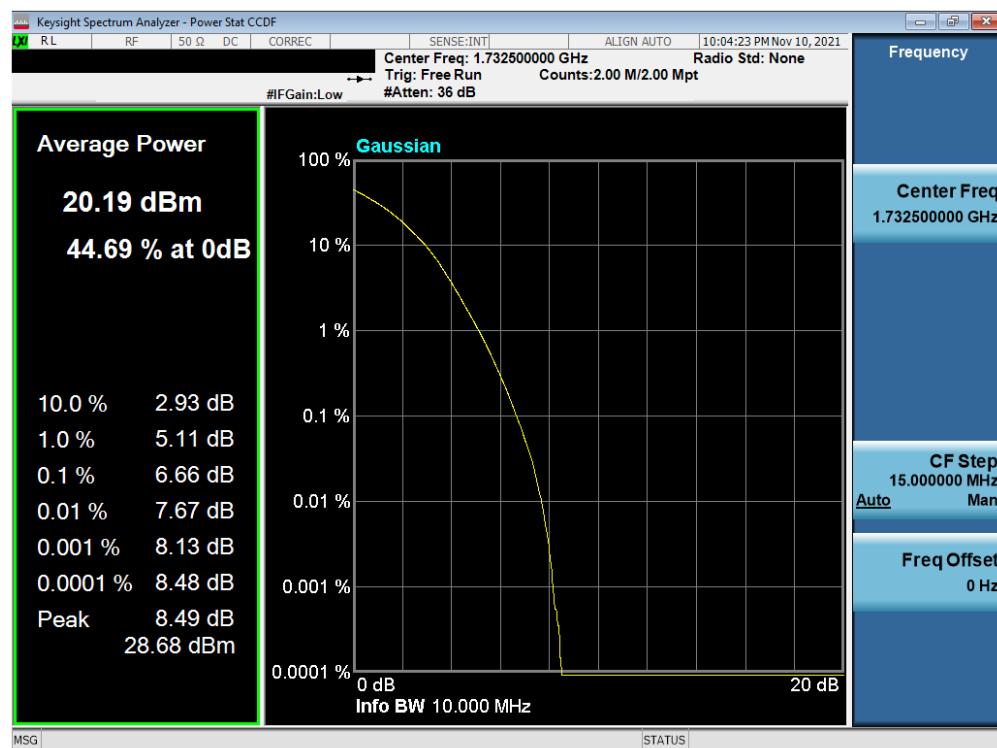


Plot 7-367. PAR Plot (LTE Band 4 - 10MHz 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			

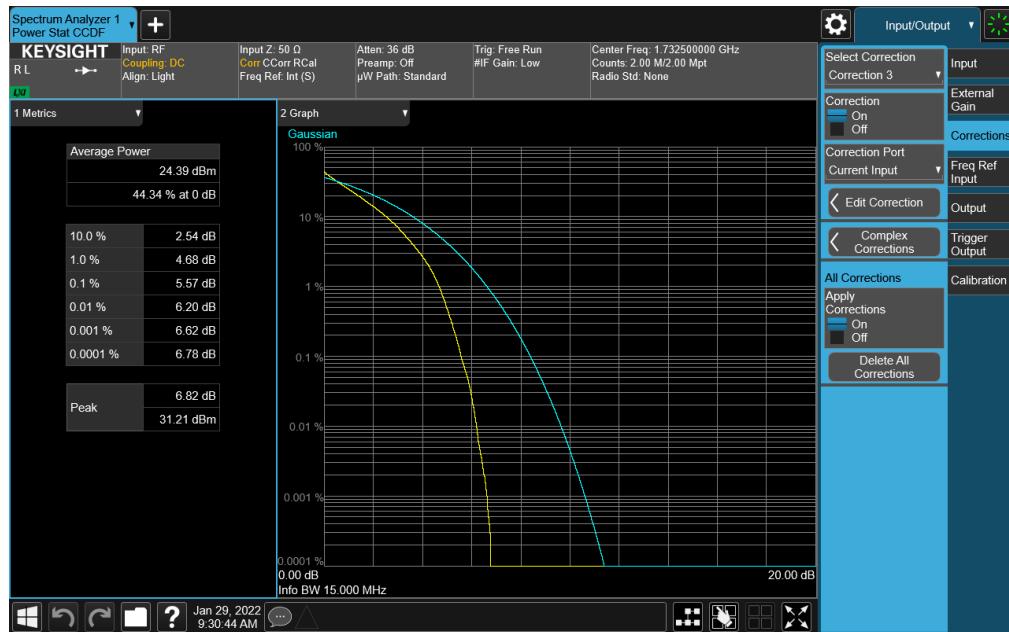


Plot 7-368. PAR Plot (LTE Band 4 - 10MHz 64-QAM - Full RB)

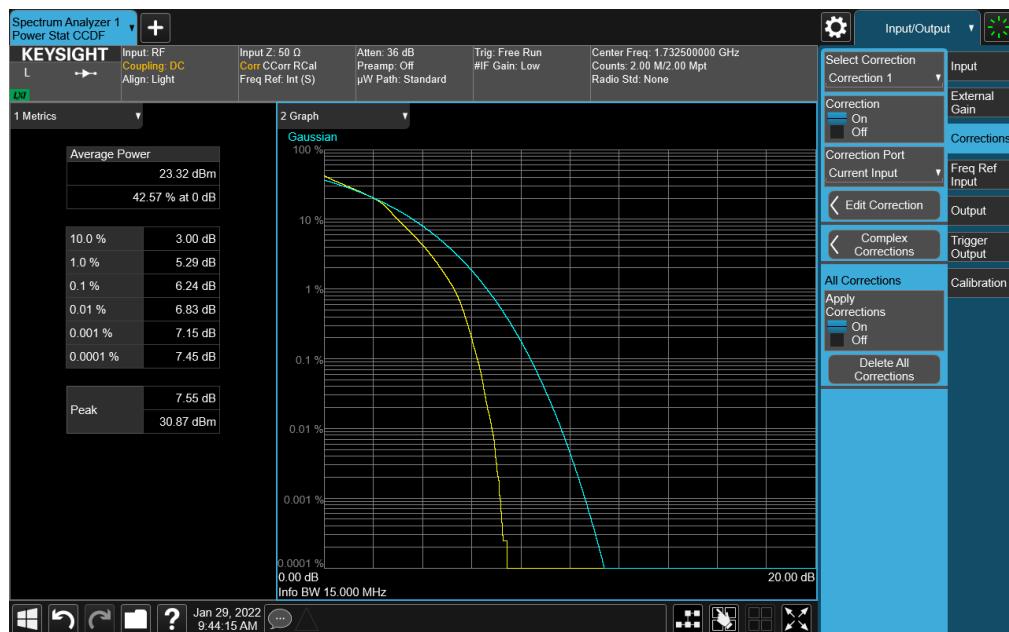


Plot 7-369. PAR Plot (LTE Band 4 - 10MHz 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 210 of 305

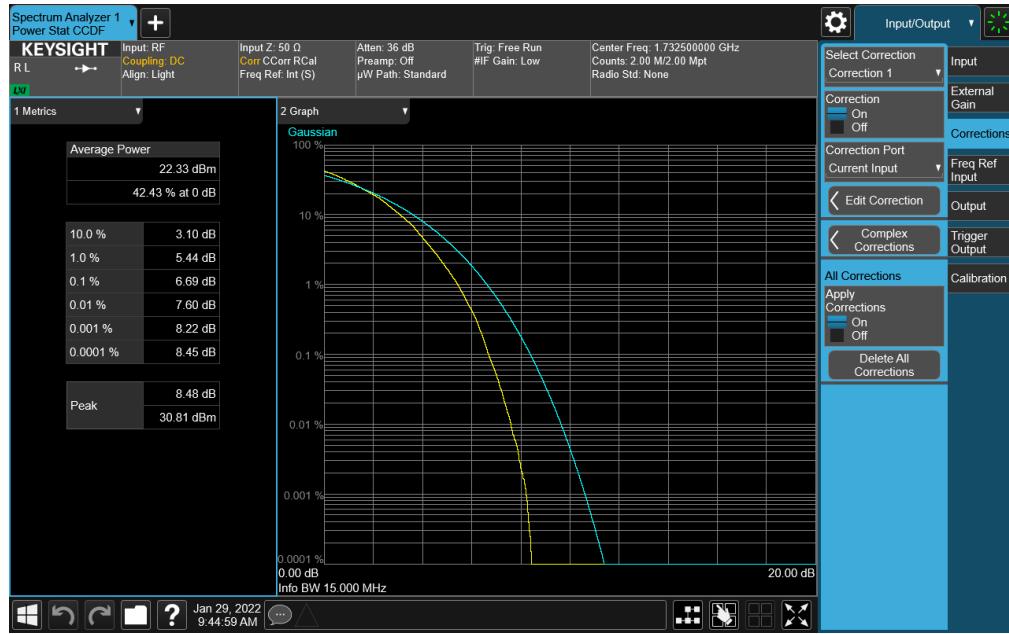
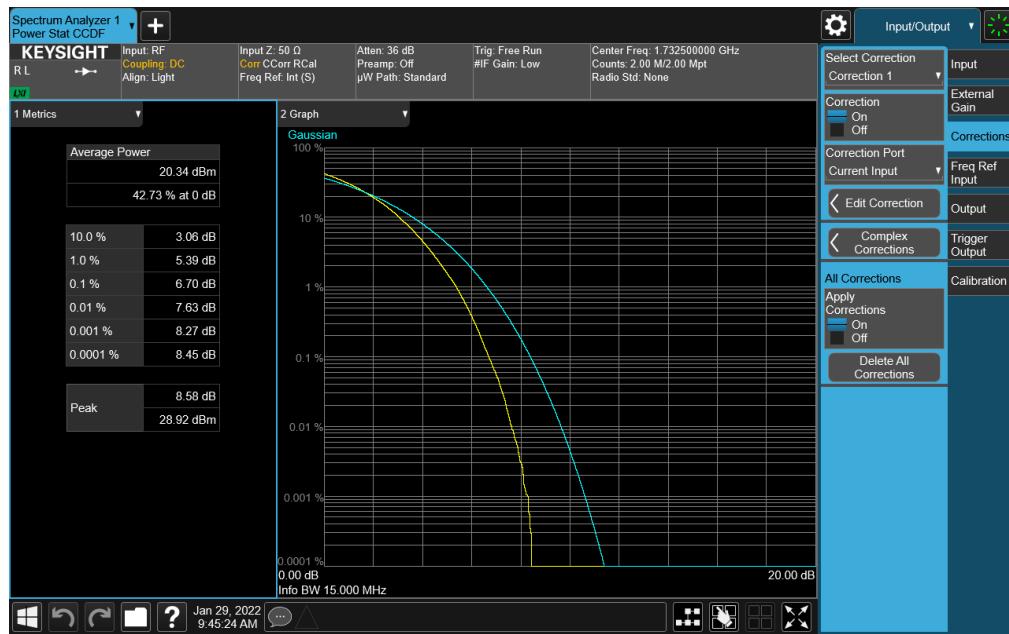


Plot 7-370. PAR Plot (LTE Band 4 - 15MHz QPSK - Full RB)

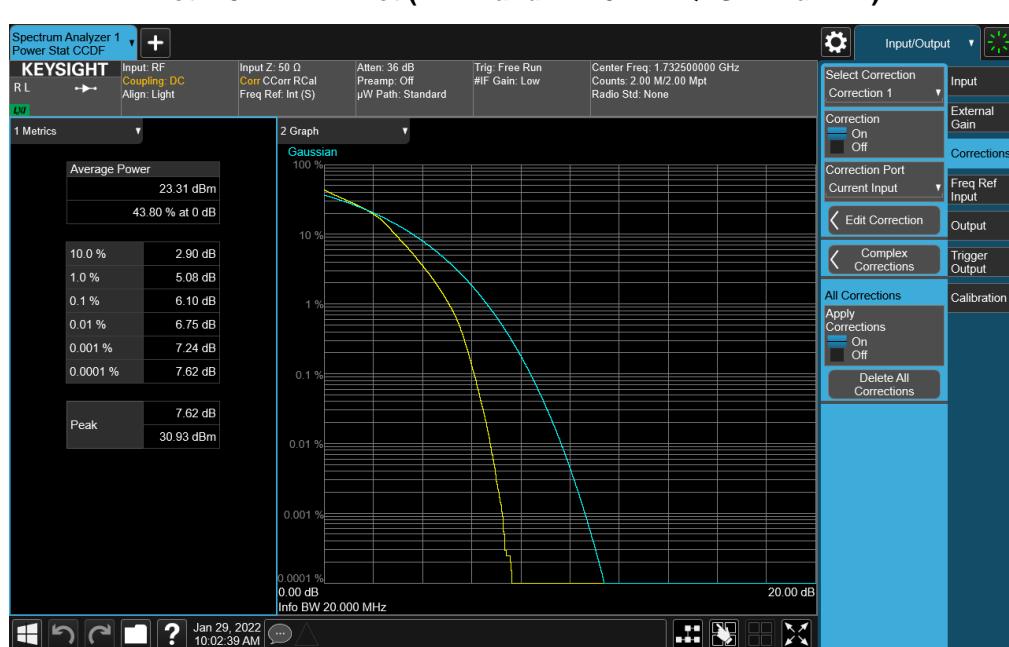
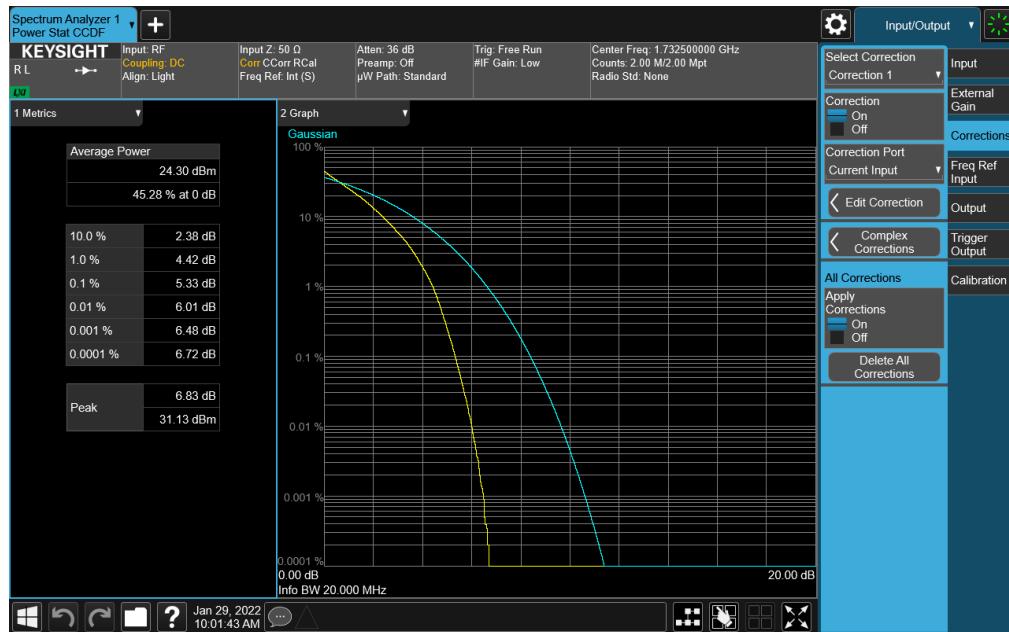


Plot 7-371. PAR Plot (LTE Band 4 - 15MHz 16-QAM - Full RB)

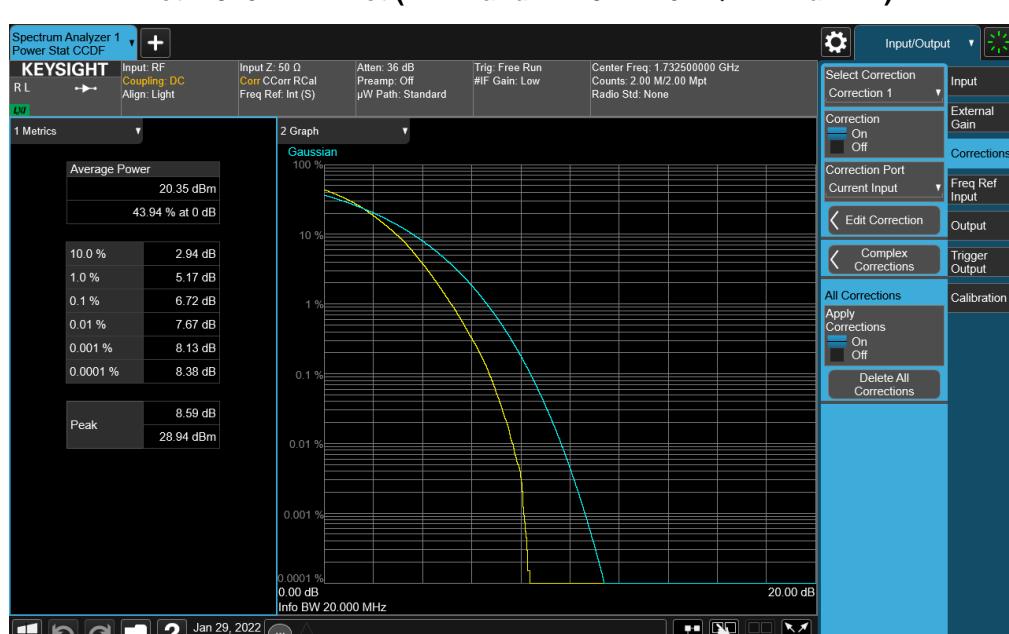
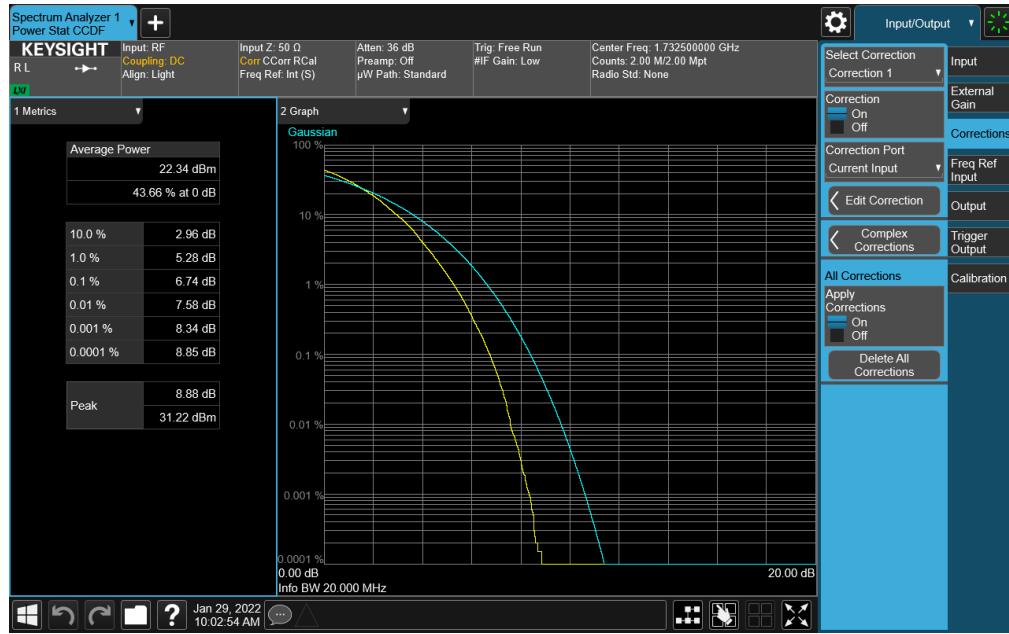
FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			


Plot 7-372. PAR Plot (LTE Band 4 - 15MHz 64-QAM - Full RB)

Plot 7-373. PAR Plot (LTE Band 4 - 15MHz 256-QAM - Full RB)

FCC ID: BCGA2589	 PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device	Page 212 of 305	

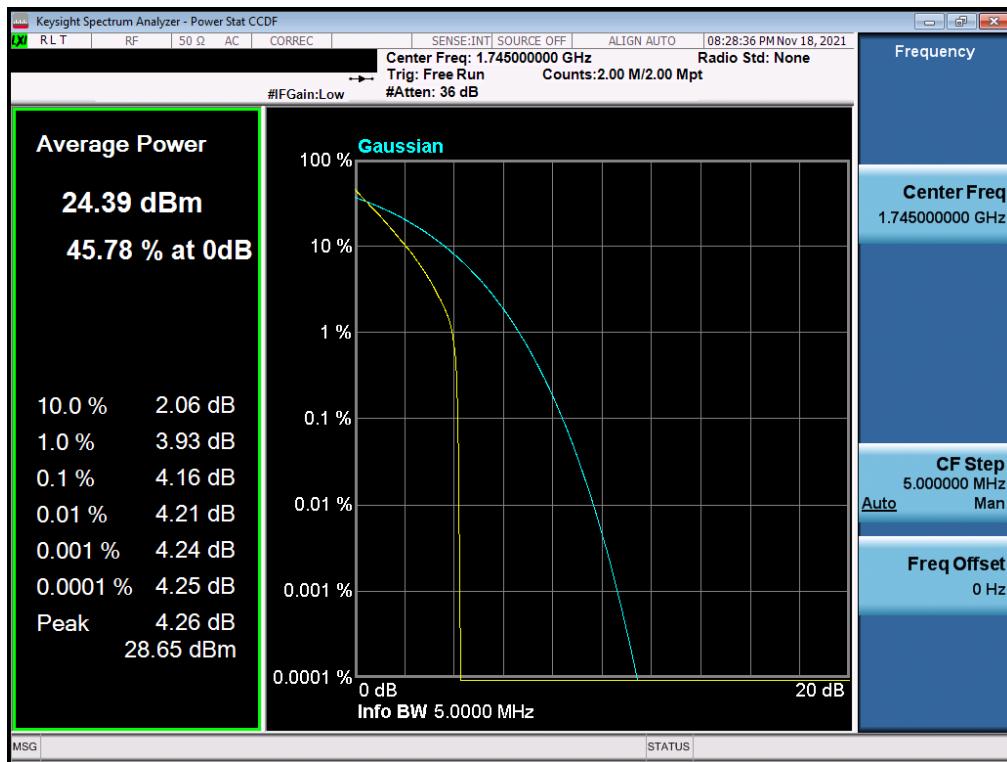


FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			

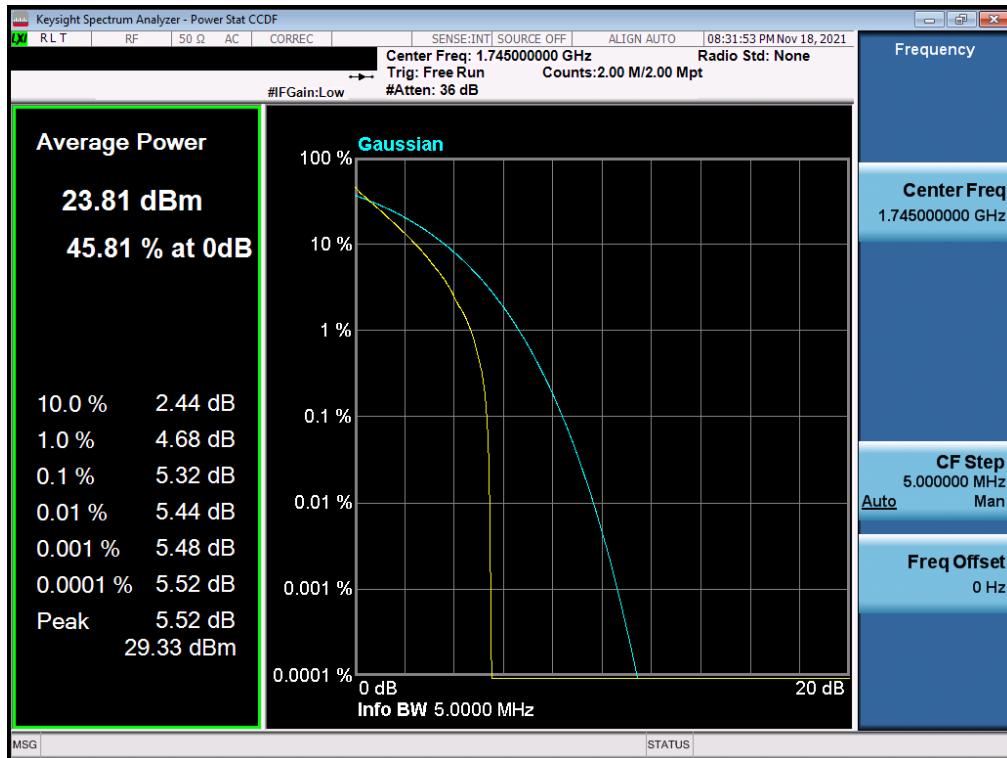


FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			

NR Band n66

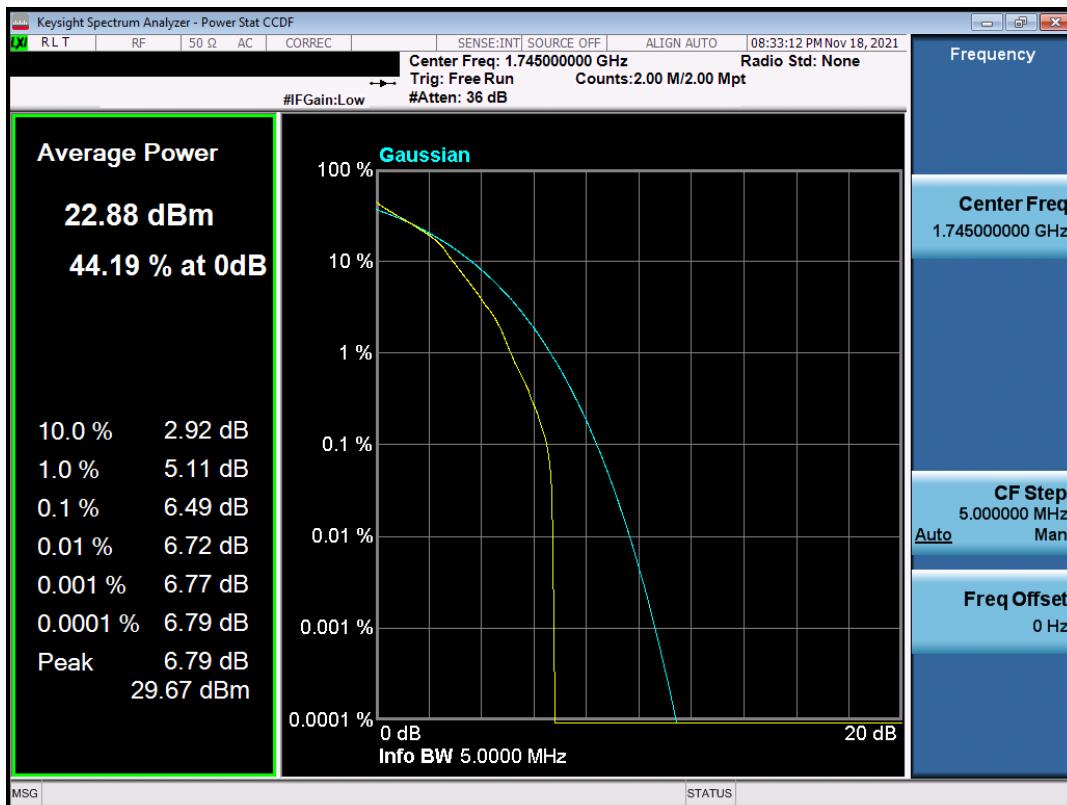


Plot 7-378. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



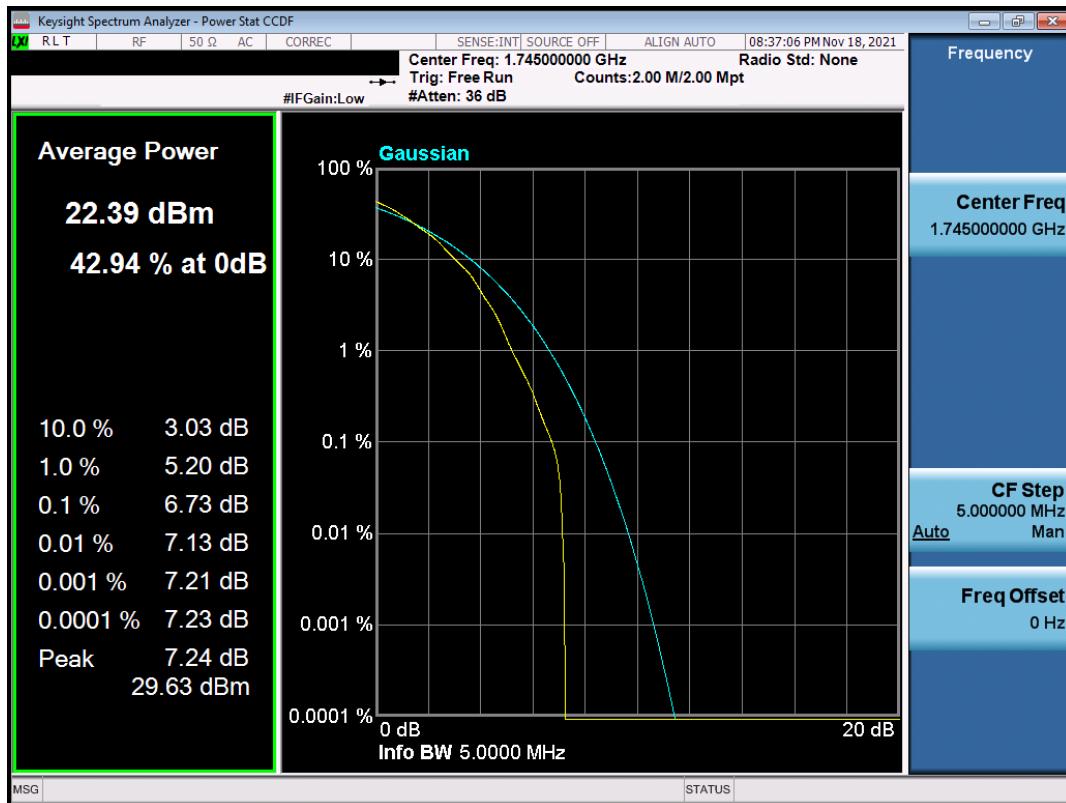
Plot 7-379. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C211150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 215 of 305

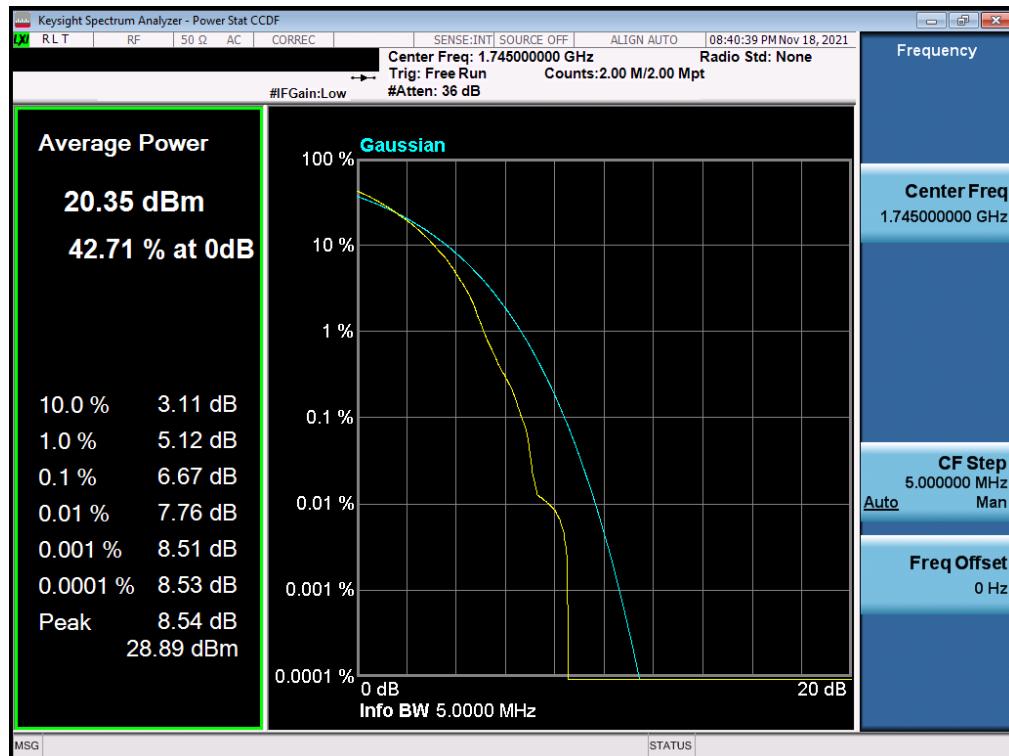


Plot 7-380. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 216 of 305

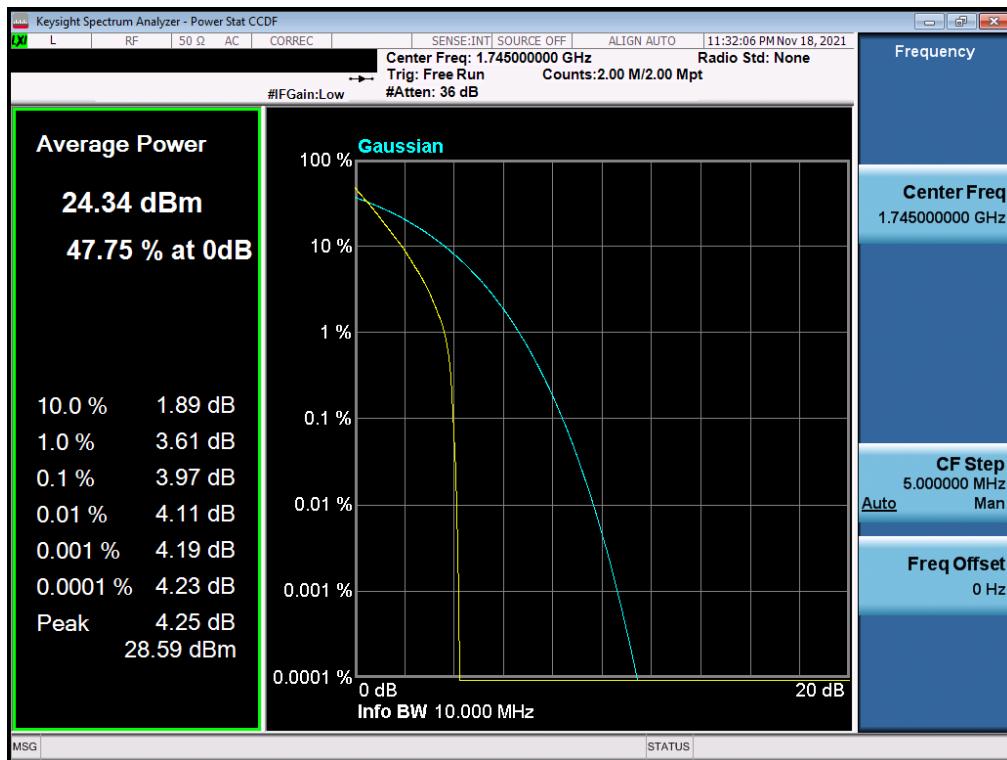


Plot 7-381. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 64-QAM - Full RB)

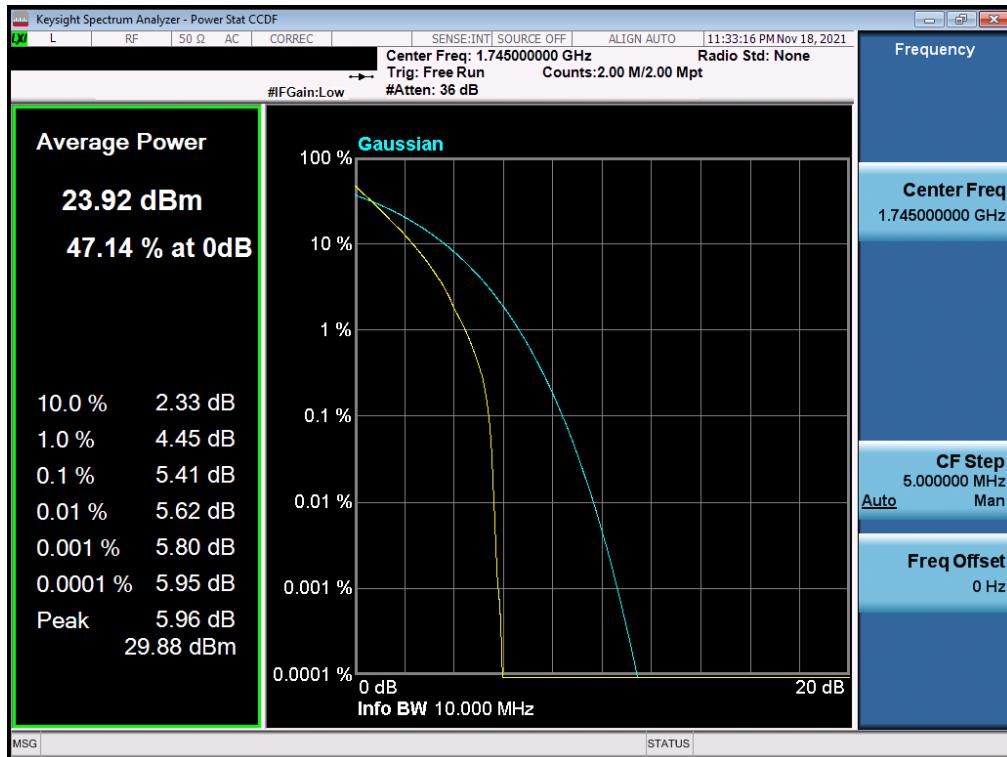


Plot 7-382. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 217 of 305

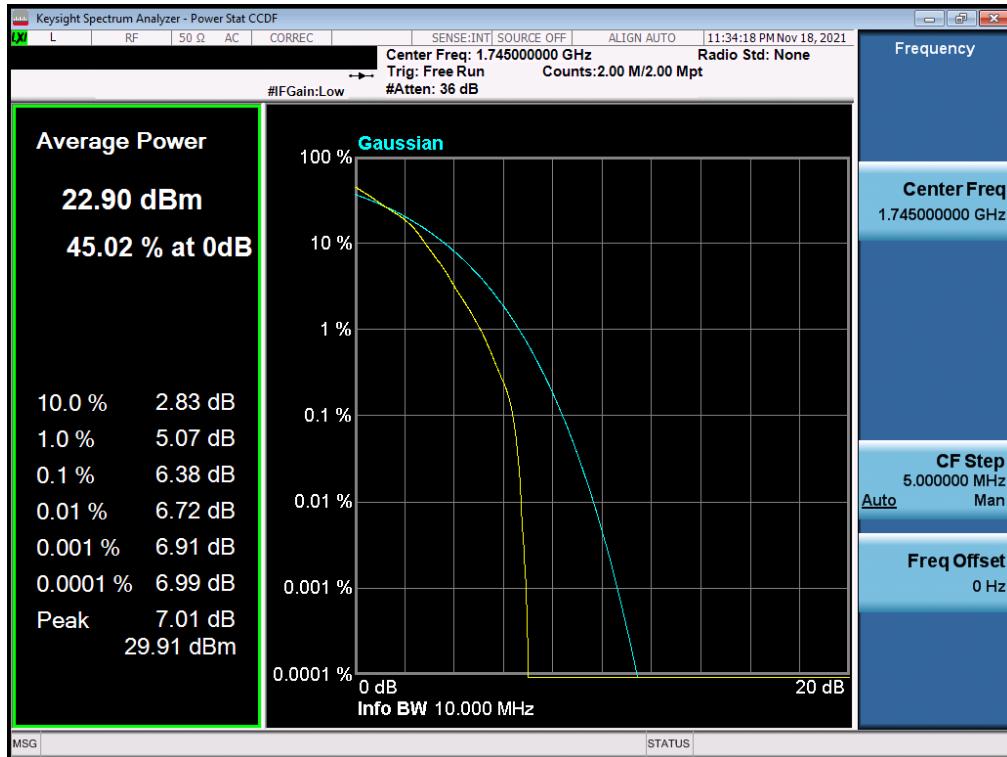


Plot 7-383. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

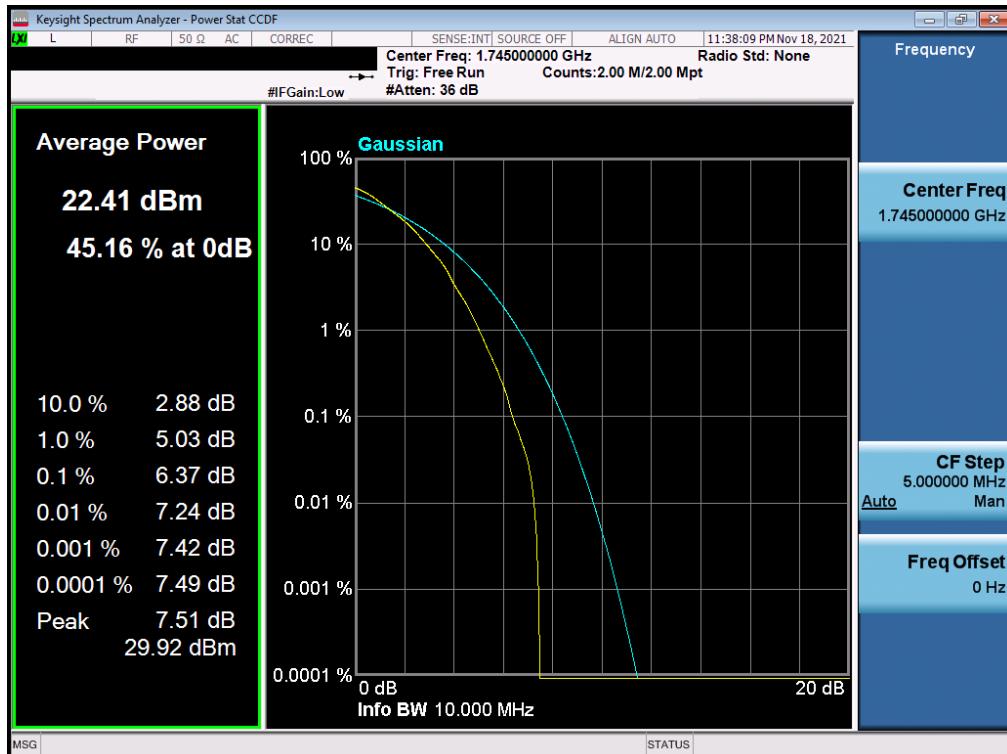


Plot 7-384. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 218 of 305

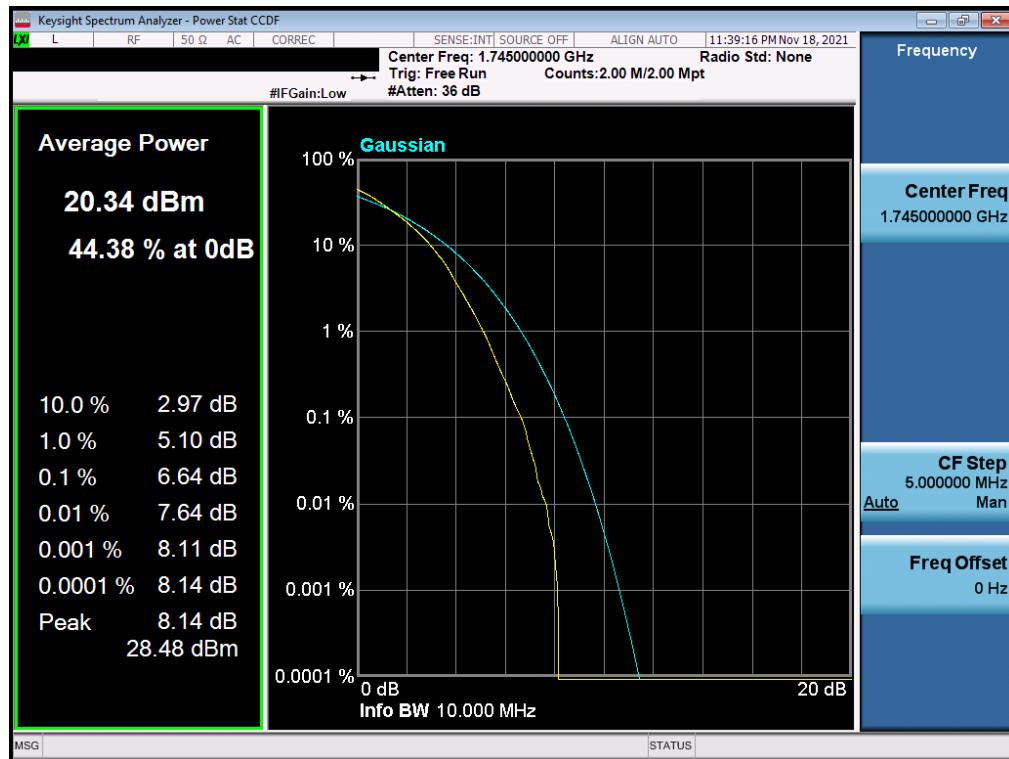


Plot 7-385. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 16-QAM - Full RB)

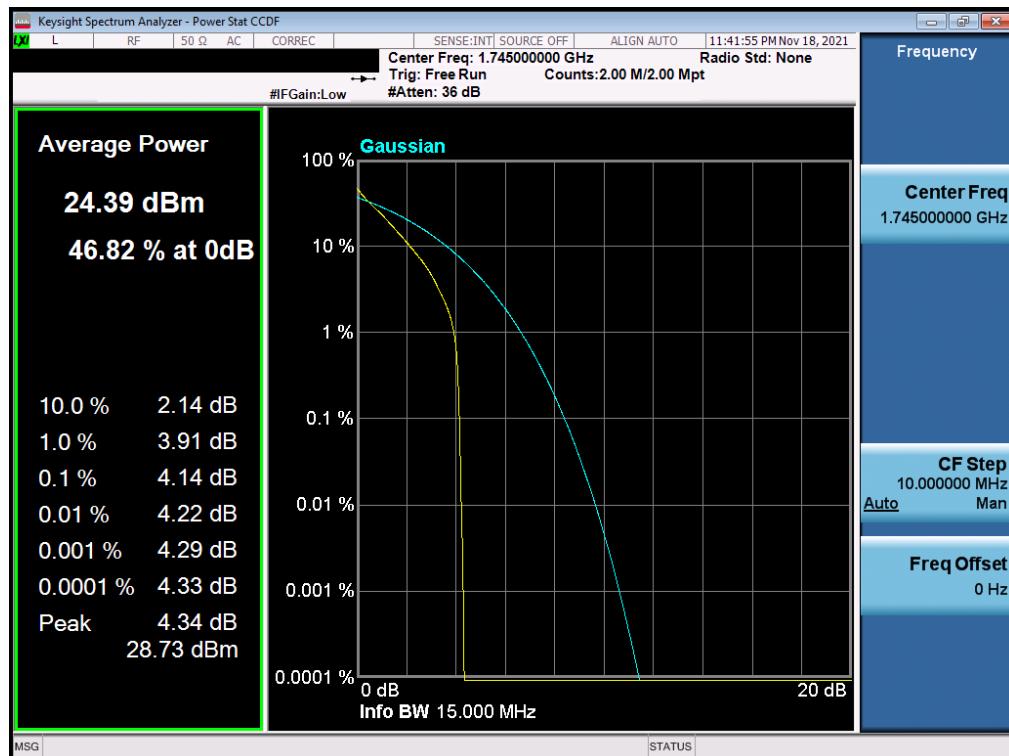


Plot 7-386. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 219 of 305

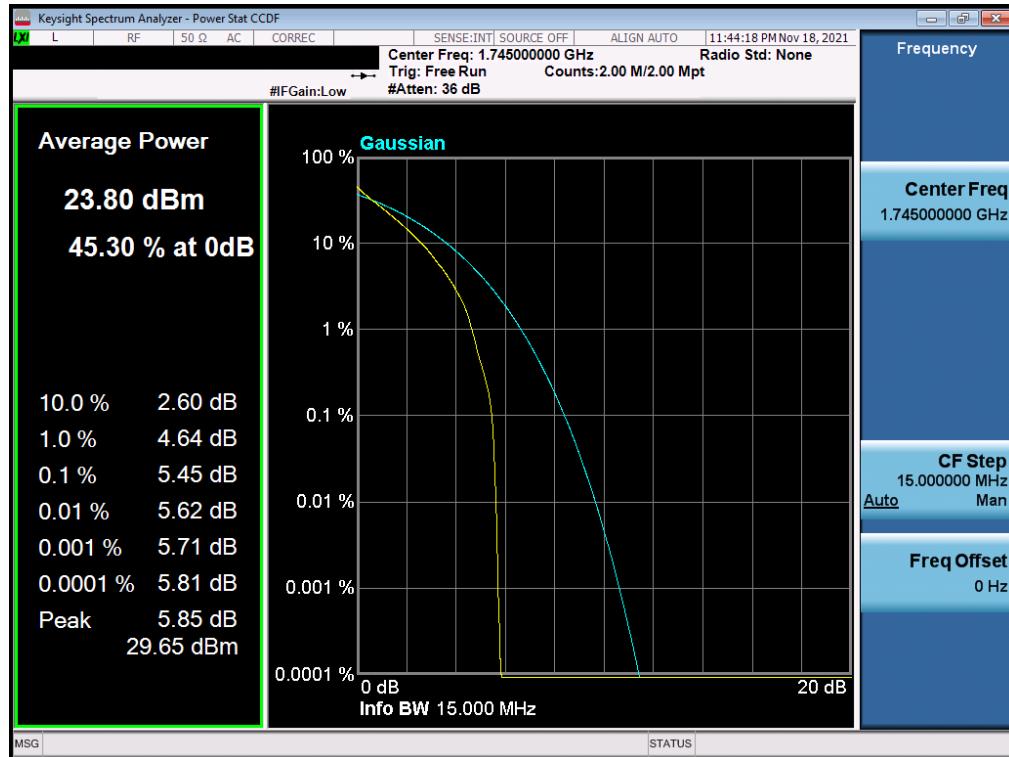


Plot 7-387. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB)

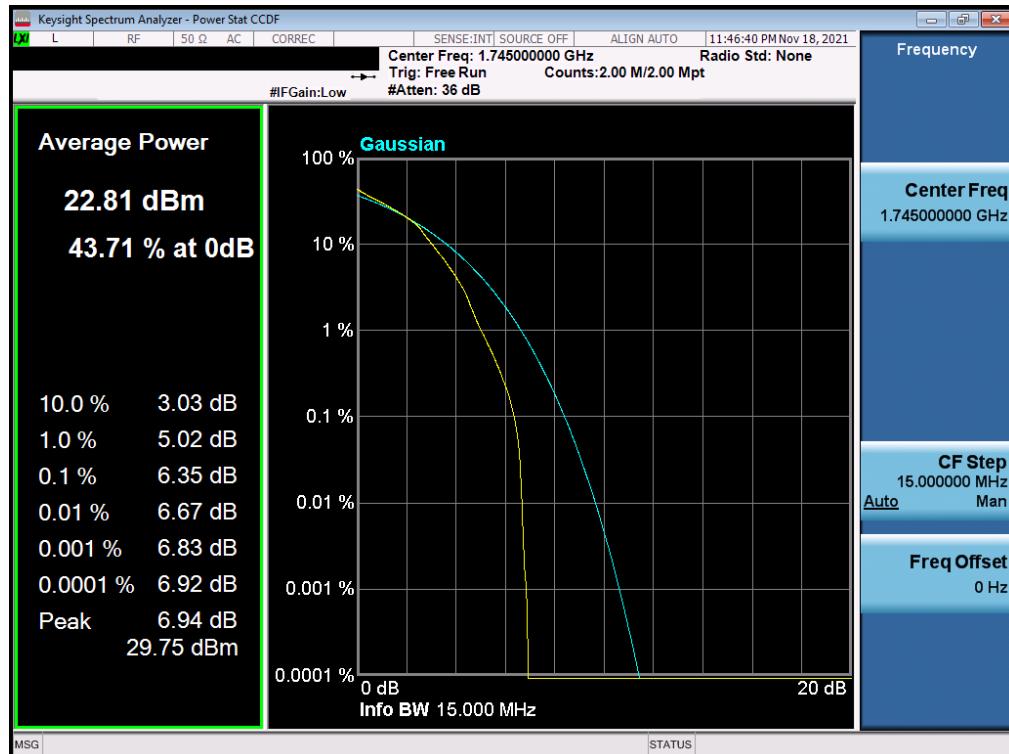


Plot 7-388. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 220 of 305

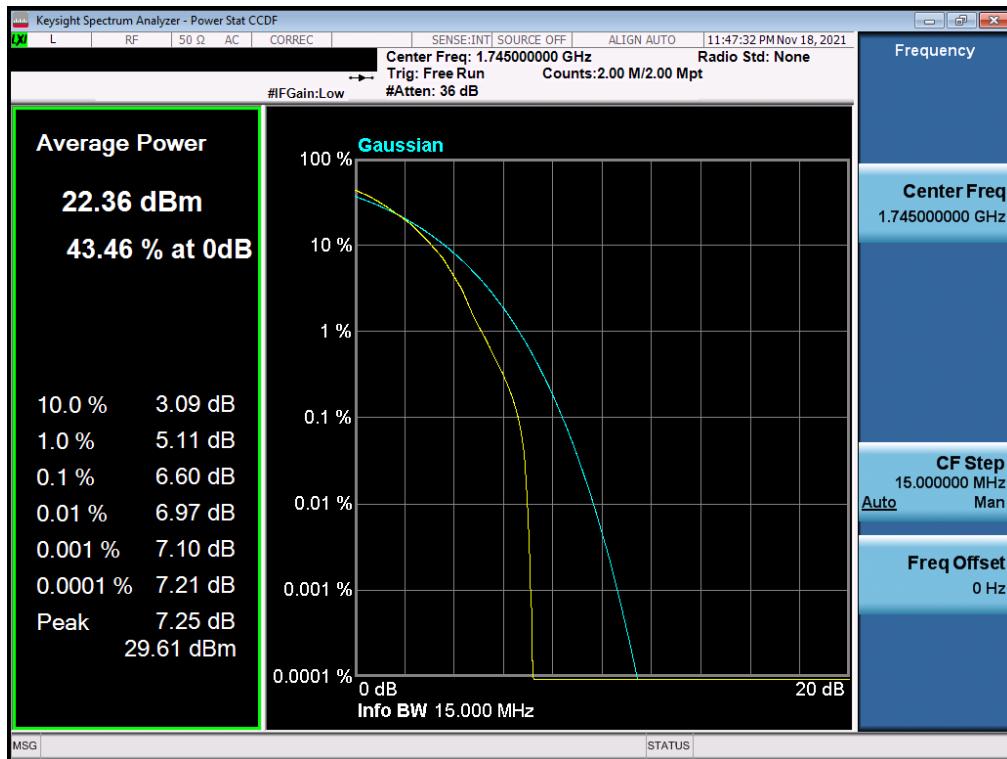


Plot 7-389. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM QPSK - Full RB)

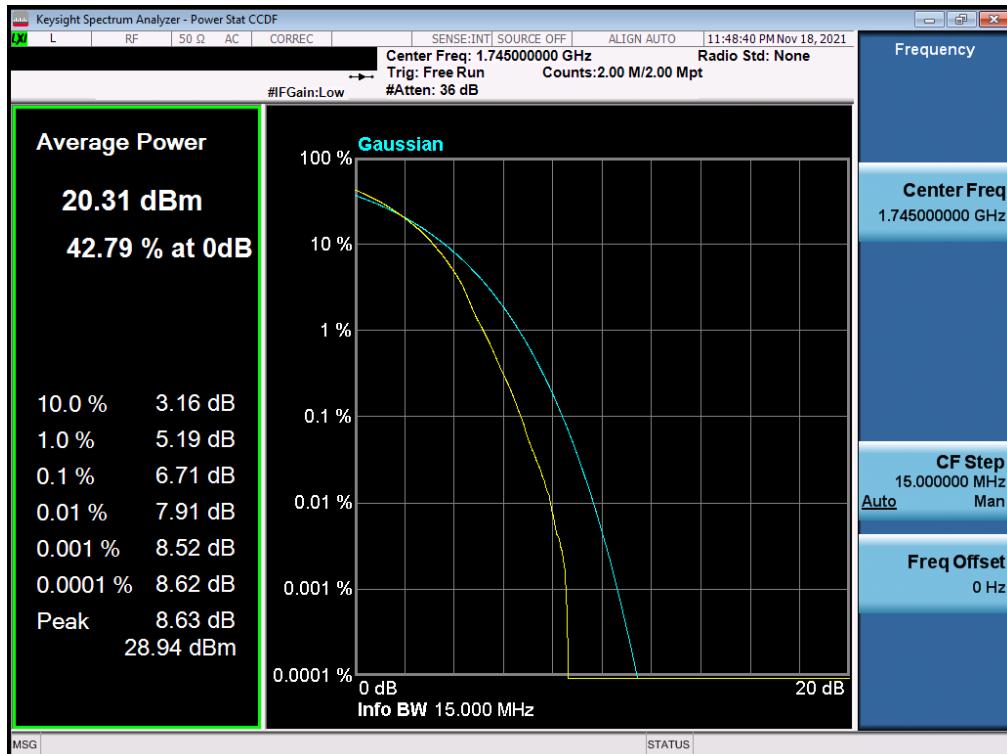


Plot 7-390. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 221 of 305

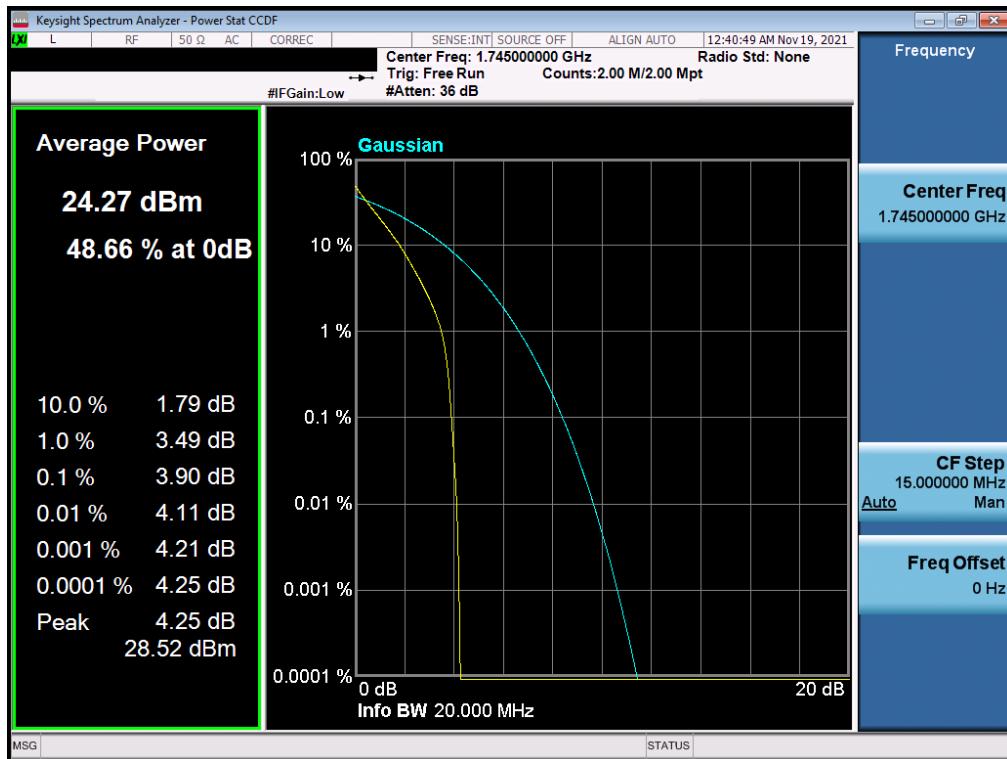


Plot 7-391. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 64-QAM - Full RB)

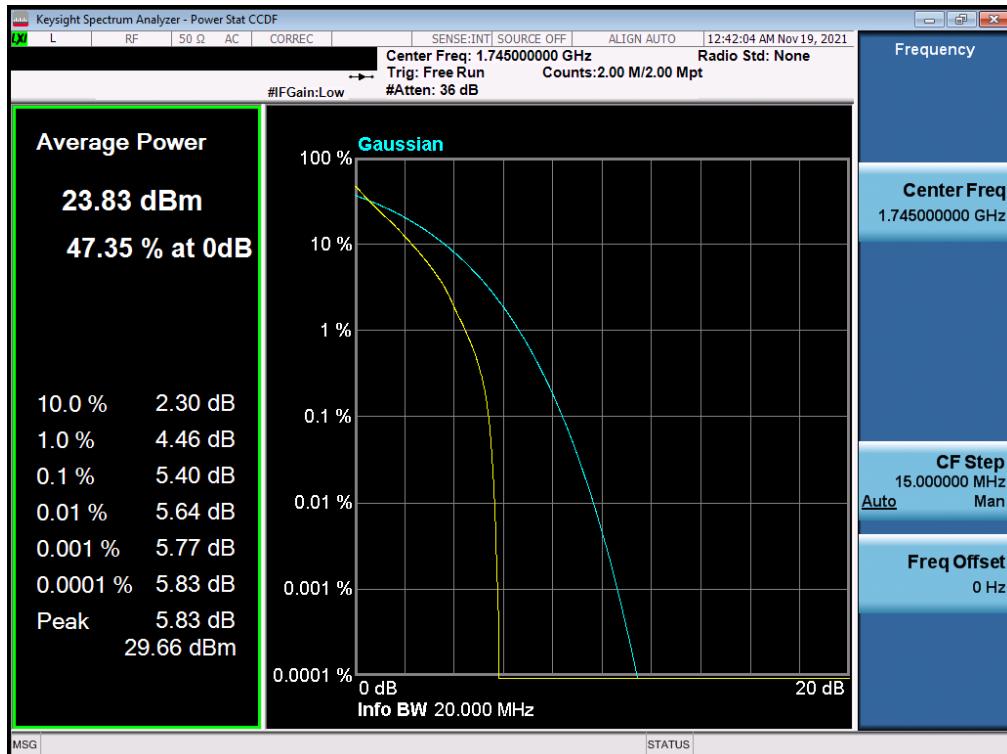


Plot 7-392. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 222 of 305

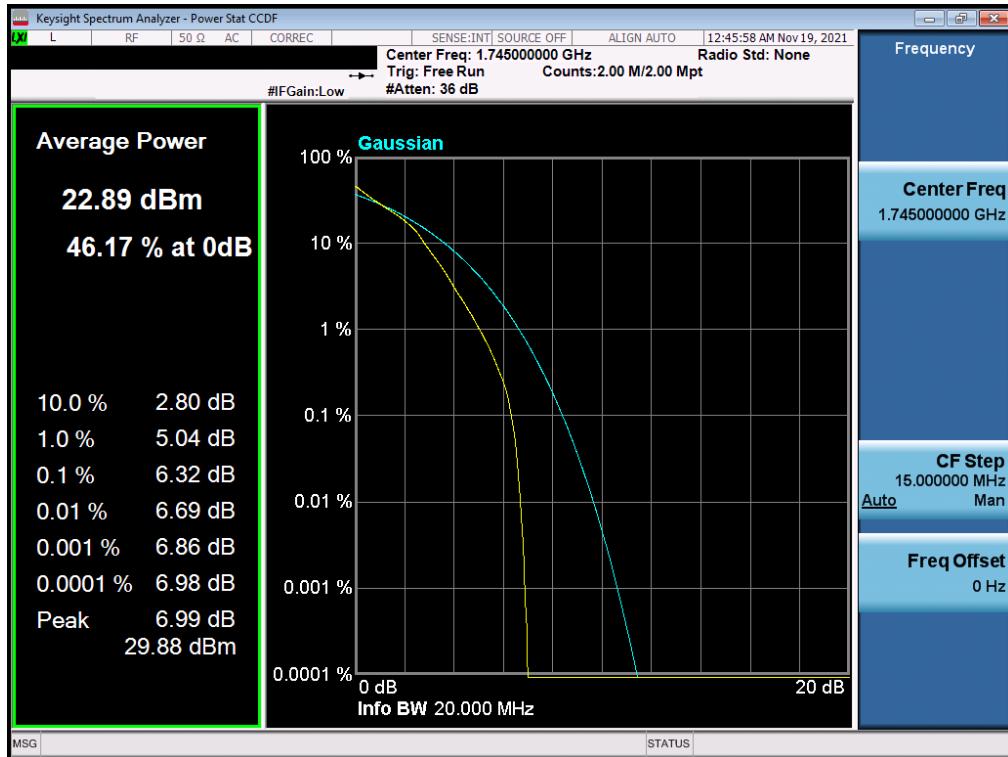


Plot 7-393. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM π/2 BPSK - Full RB)

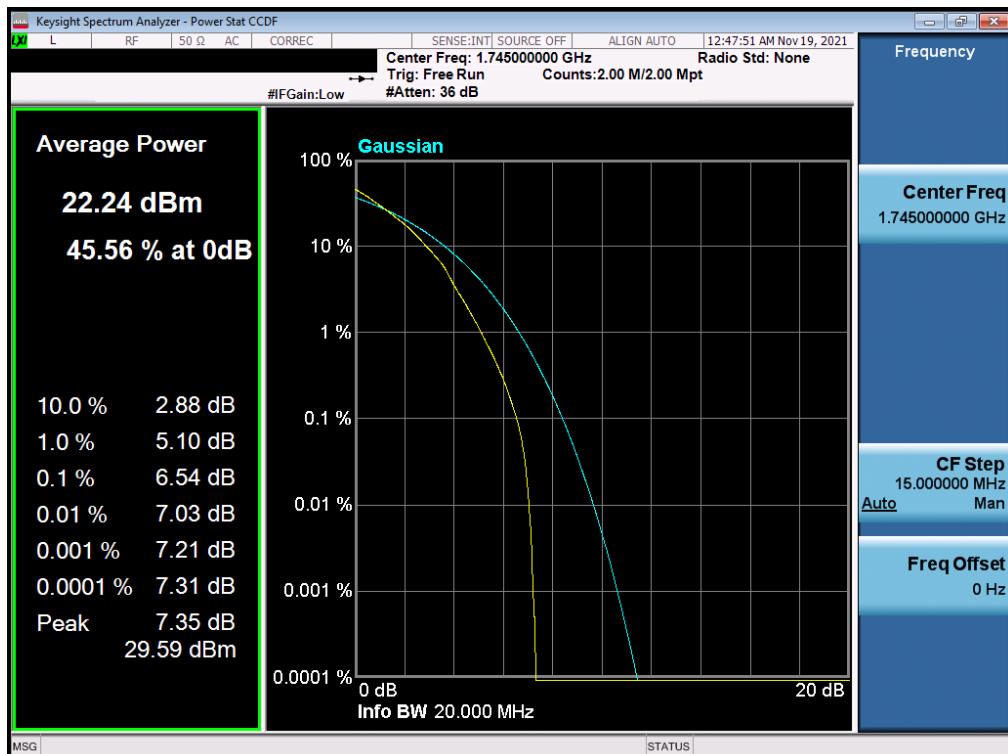


Plot 7-394. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 223 of 305

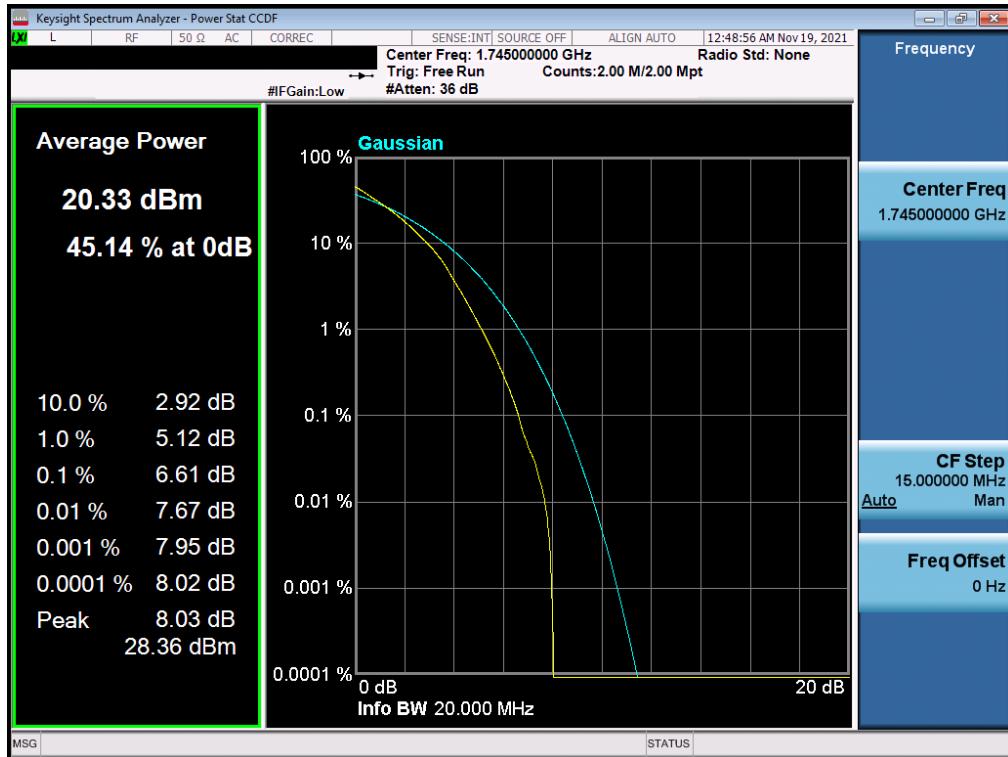


Plot 7-395. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 16-QAM - Full RB)

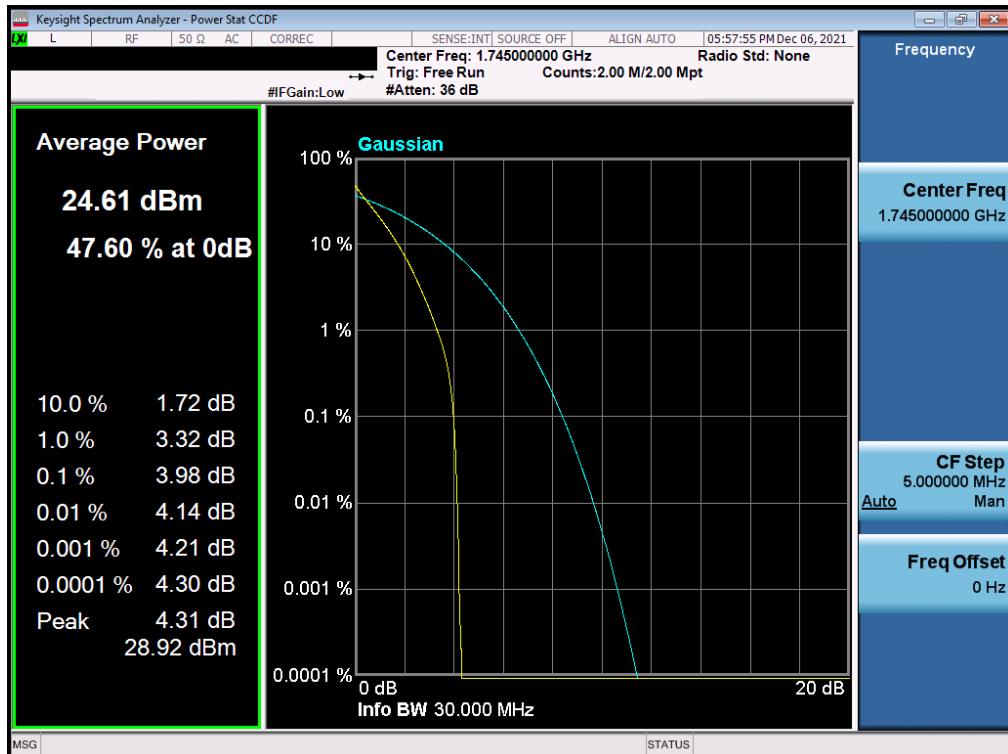


Plot 7-396. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 64-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 224 of 305

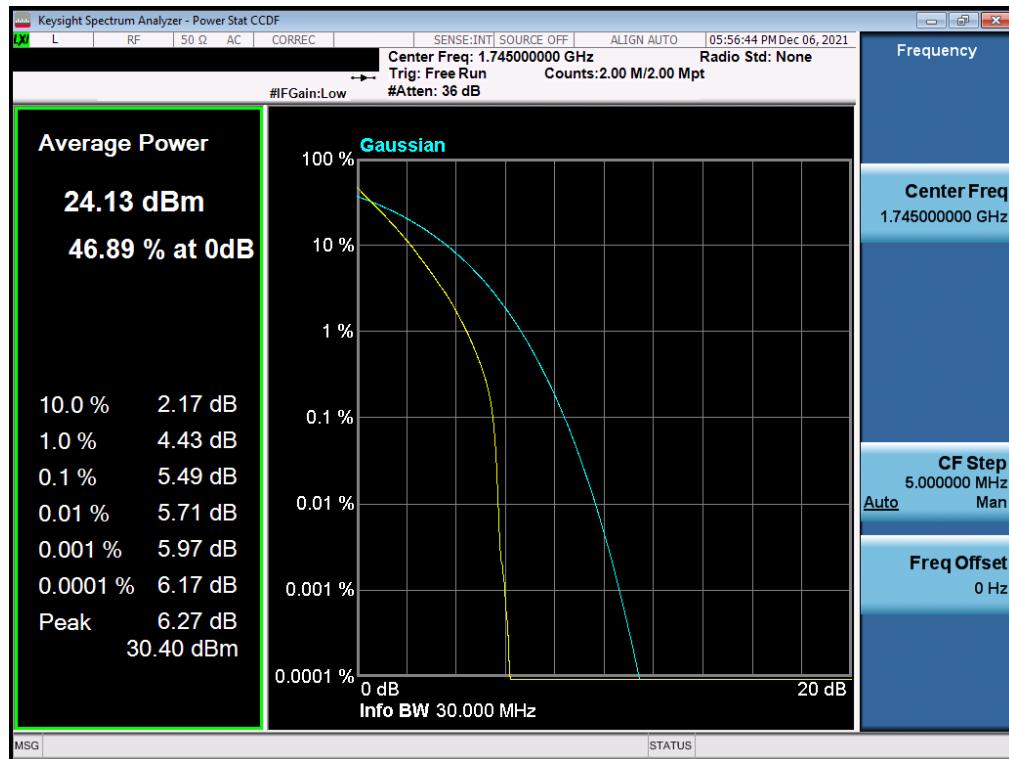


Plot 7-397. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB)

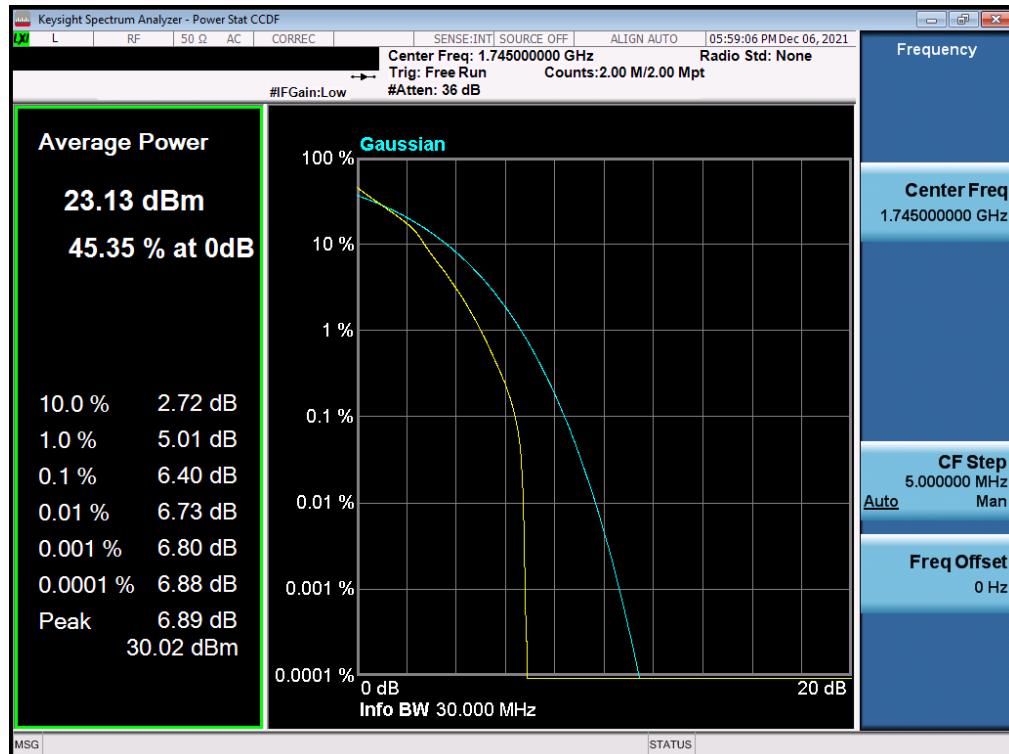


Plot 7-398. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM π/2 BPSK - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 225 of 305

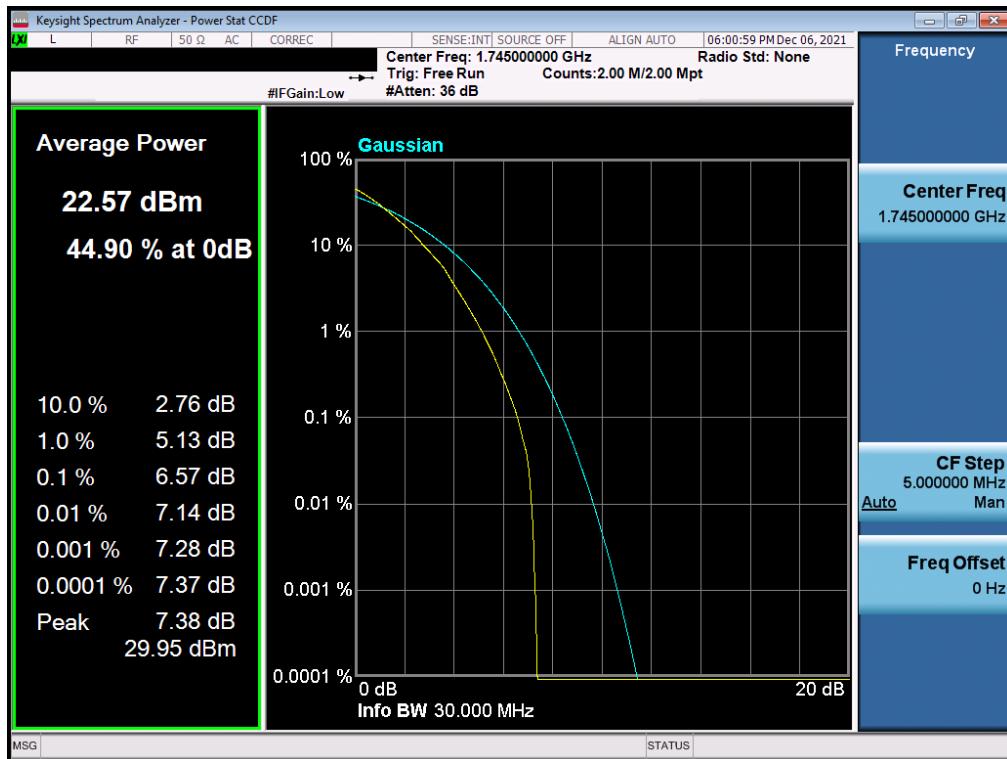


Plot 7-399. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM QPSK - Full RB)

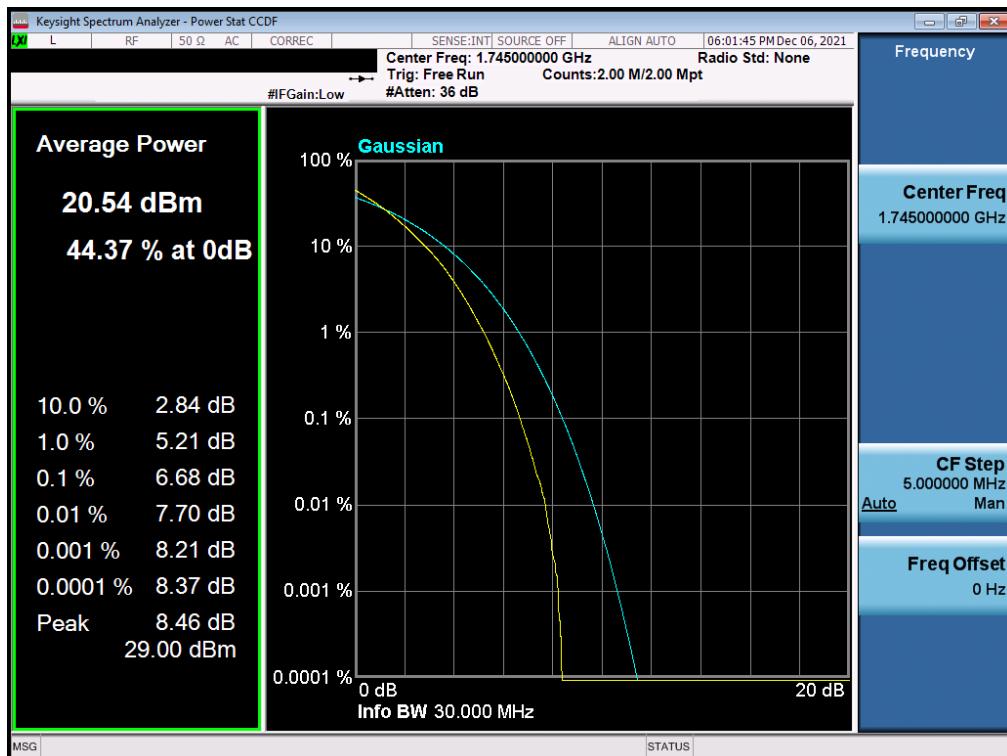


Plot 7-400. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 226 of 305

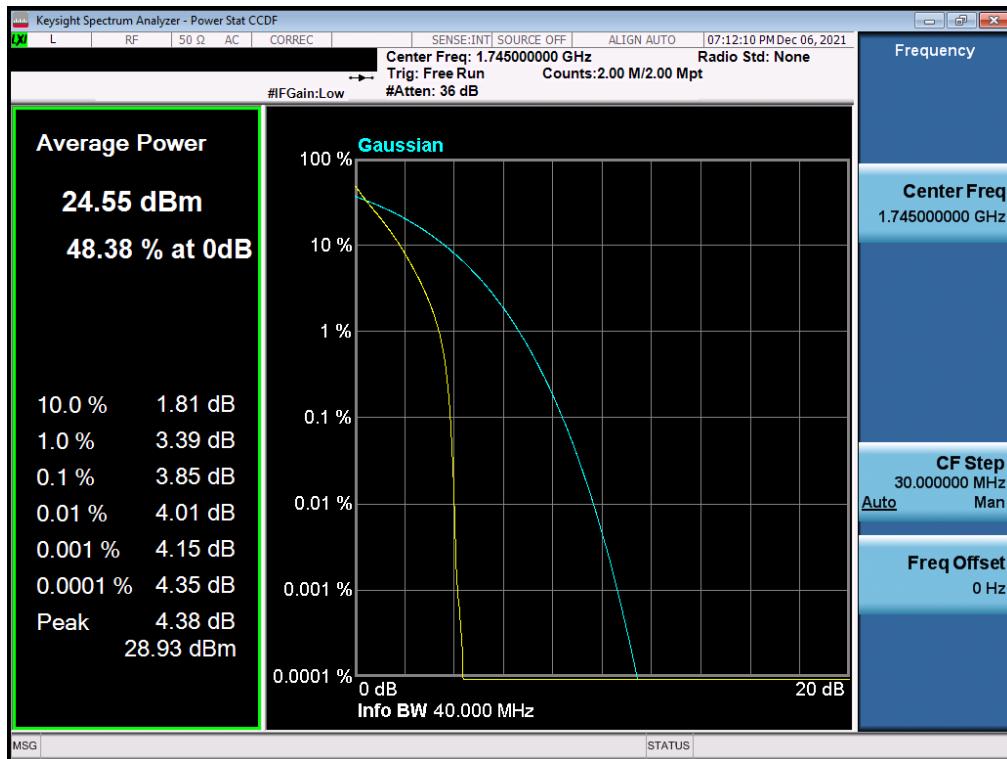


Plot 7-401. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 64-QAM - Full RB)

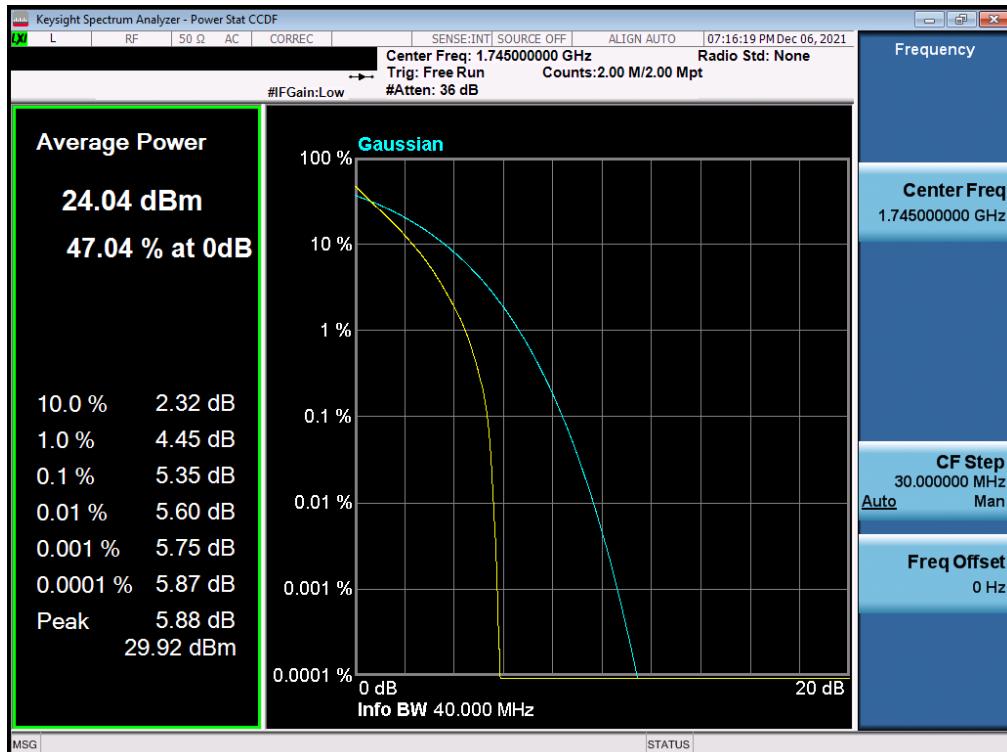


Plot 7-402. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 227 of 305

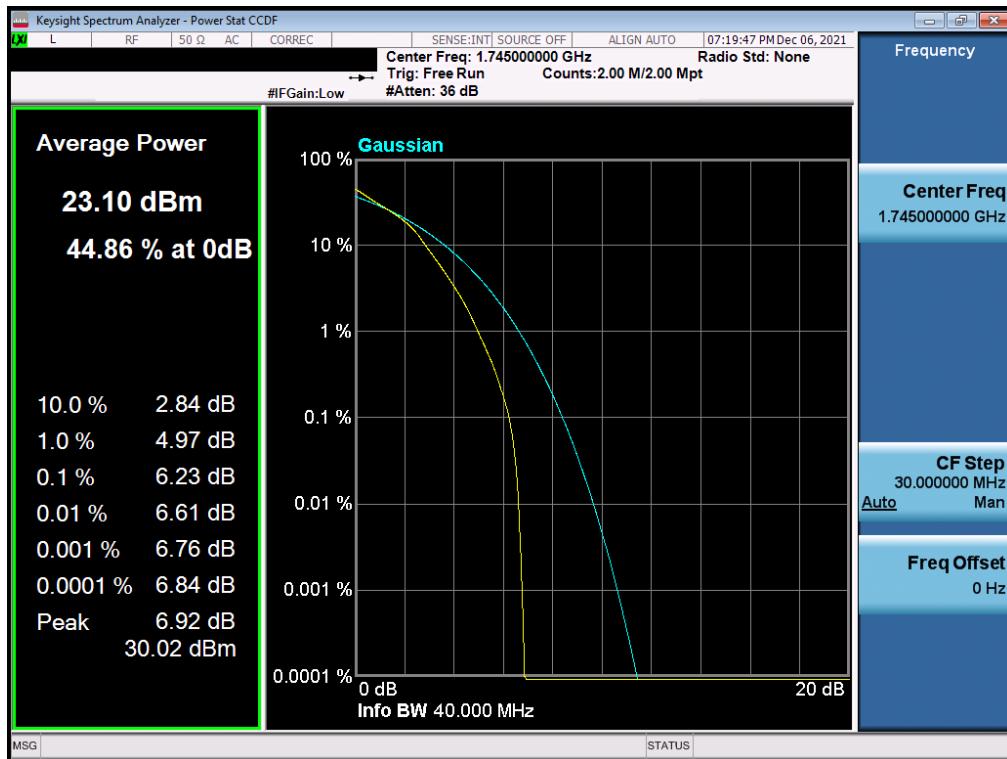


Plot 7-403. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

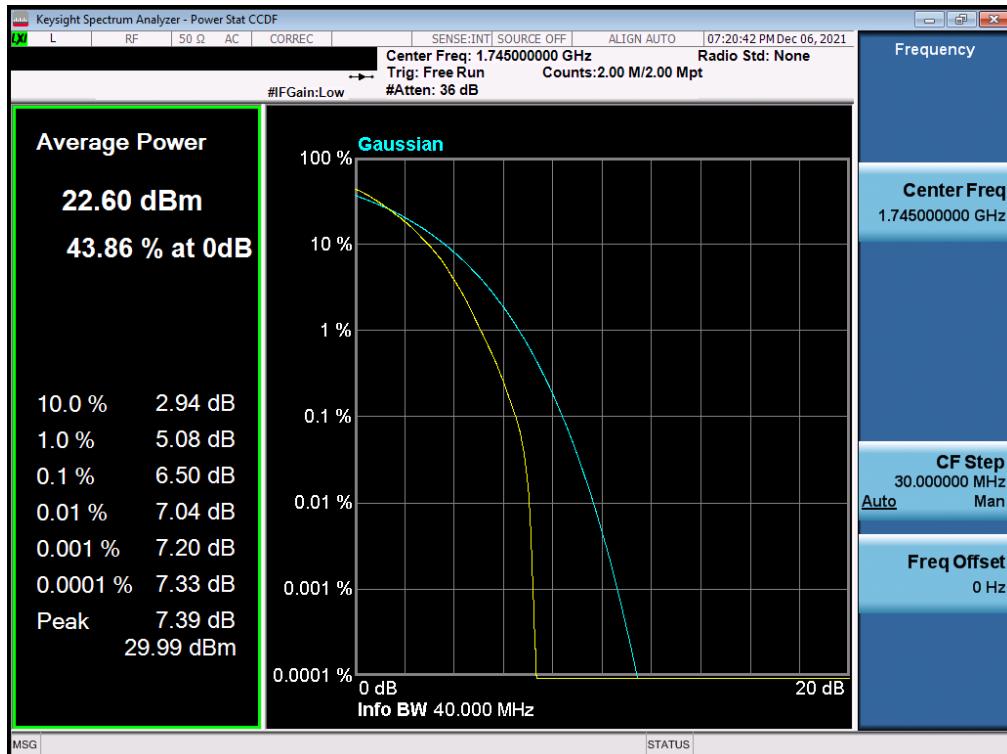


Plot 7-404. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 228 of 305

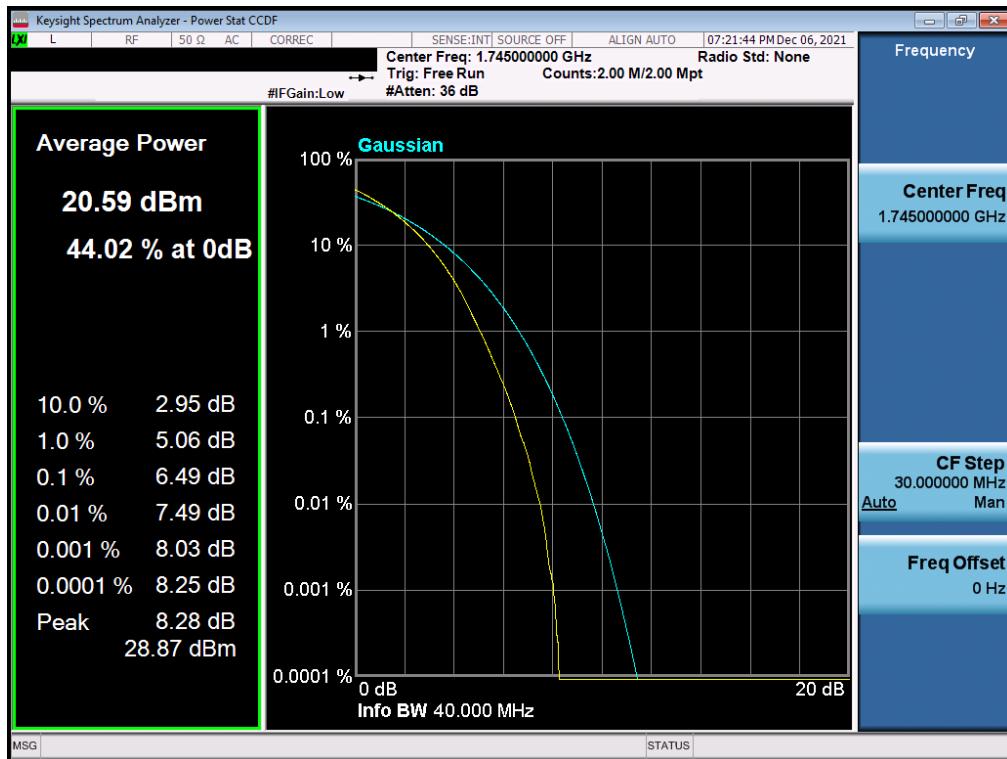


Plot 7-405. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 16-QAM - Full RB)



Plot 7-406. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 64-QAM - Full RB)

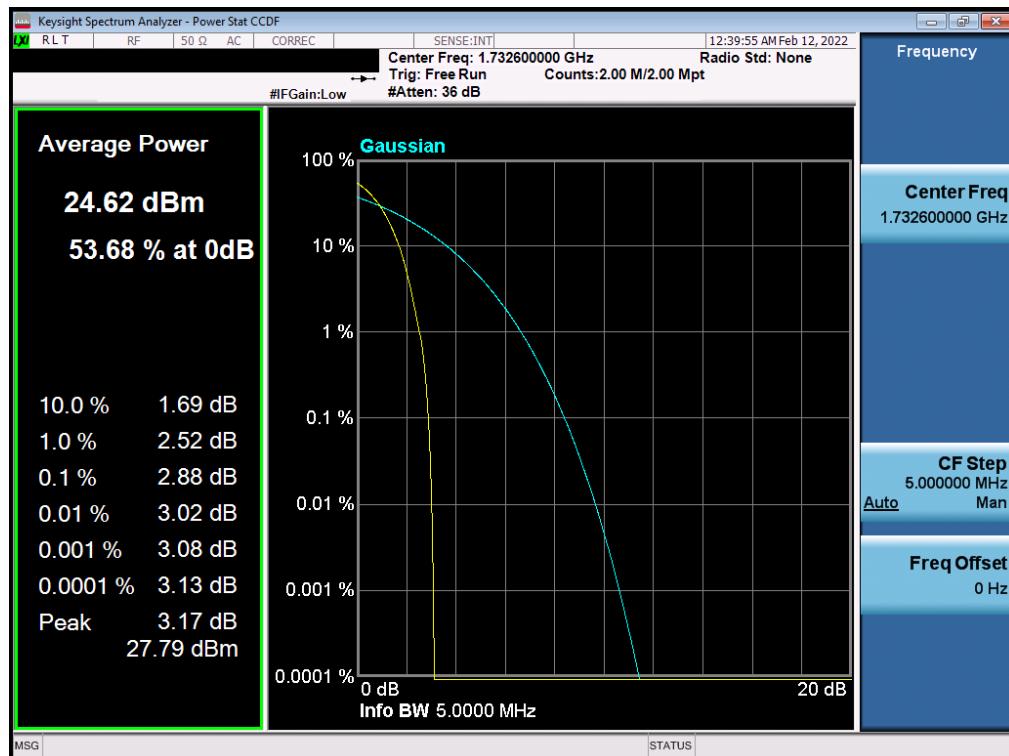
FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-407. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2589	PCTEST® Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			

WCDMA AWS



Plot 7-408. PAR Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2589	PCTEST Proud to be part of 			PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device			Page 231 of 305

7.6 Radiated Power (ERP/EIRP)

§27.50(b)(10), §27.50(c)(10), §27.50(d)(4)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$\text{ERP/EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

ERP/EIRP = Effective or Equivalent Isotropic Radiated Power, respectively (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

Test Setup

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

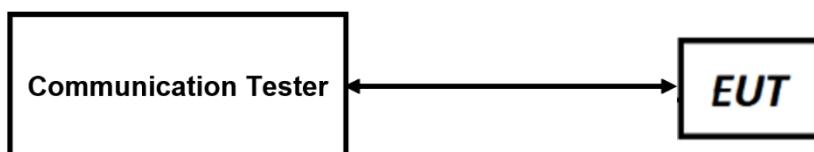


Figure 7-5. ERP/EIRP Measurement Setup

FCC ID: BCGA2589	 PCTEST® Proud to be part of 		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1."
5. The Ant. Gains (GT) are listed in dBi.
6. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
7. Uplink carrier aggregation for LTE B66 is only supported in this EUT while operating in Power Class 3.
8. Uplink carrier aggregation conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.

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Test Report S/N: 1C2111150079-03.BCG	Test Dates: 11/29/2021 – 2/5/2022	EUT Type: Tablet Device		Page 233 of 305