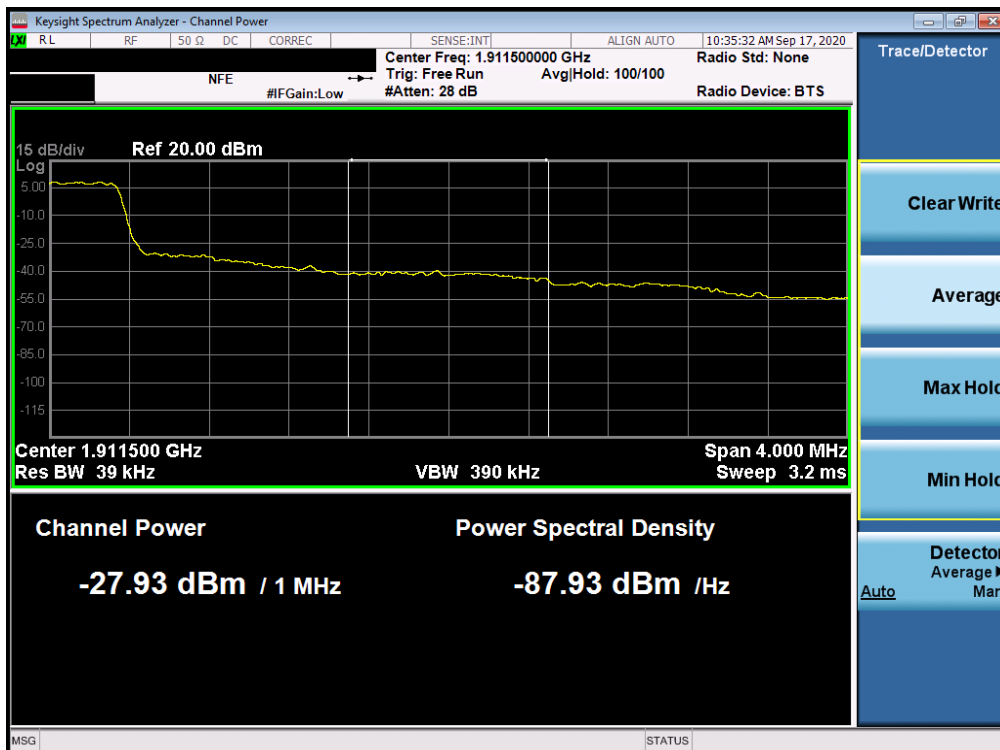
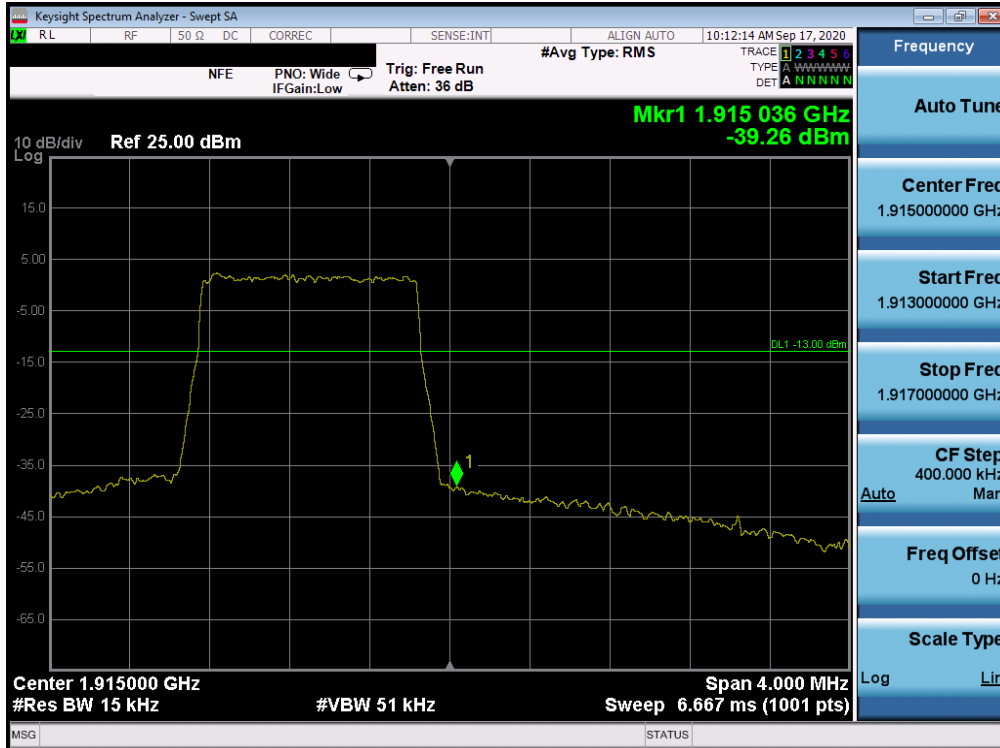


Plot 7-203. Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

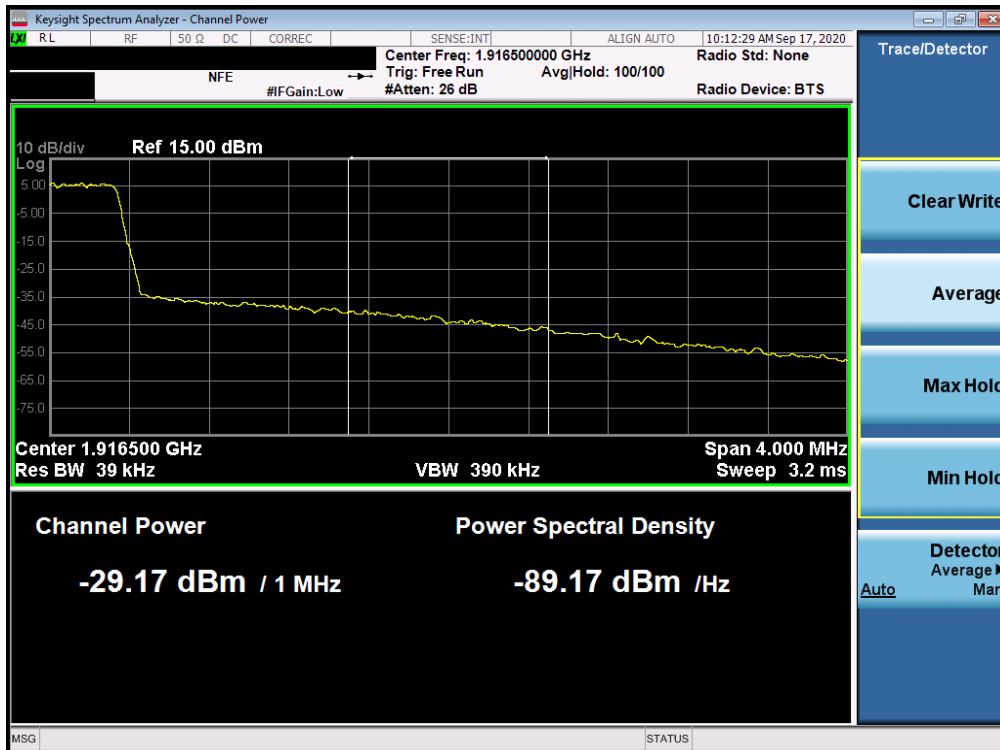


Plot 7-204. Extended Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 125 of 234



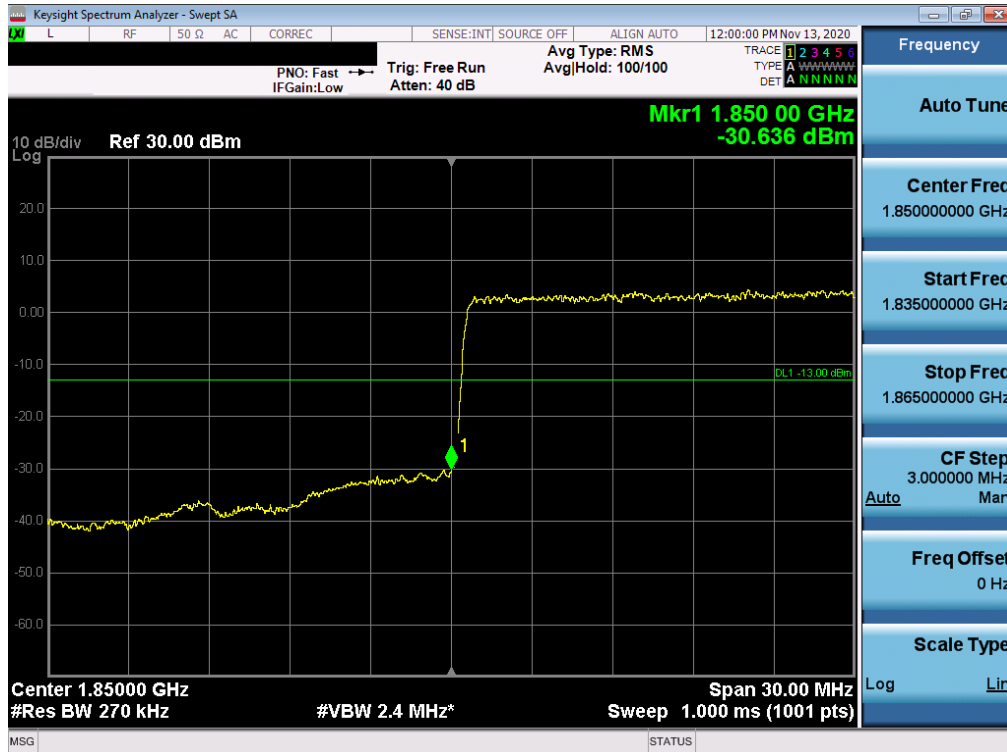
Plot 7-205. Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)



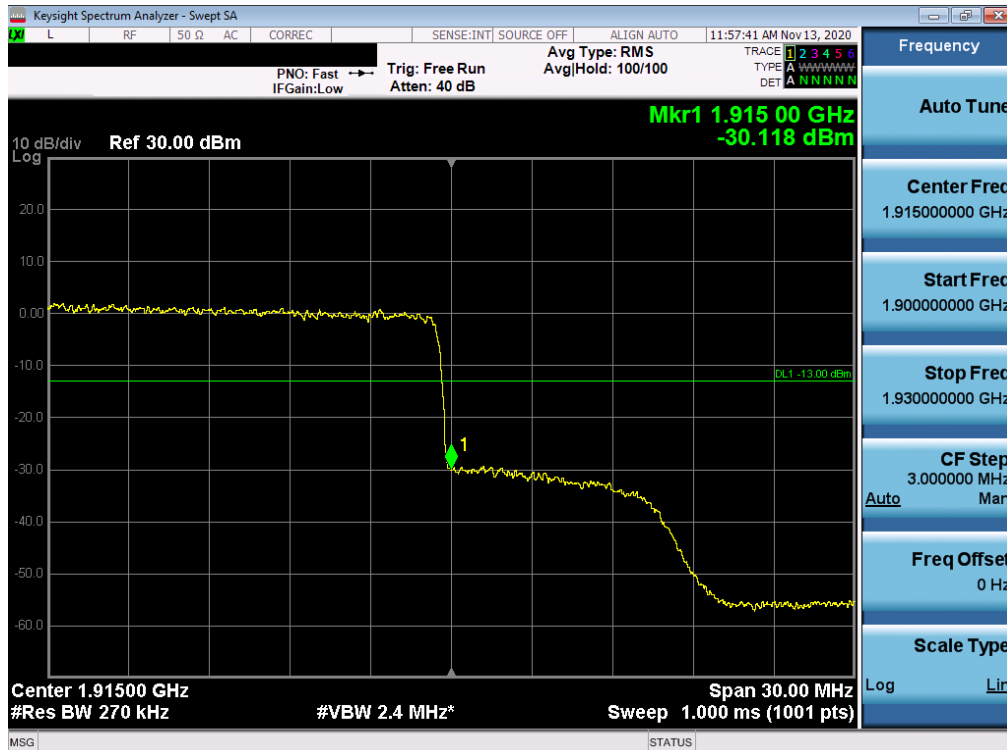
Plot 7-206. Extended Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 126 of 234

NR Band n25 Ant A

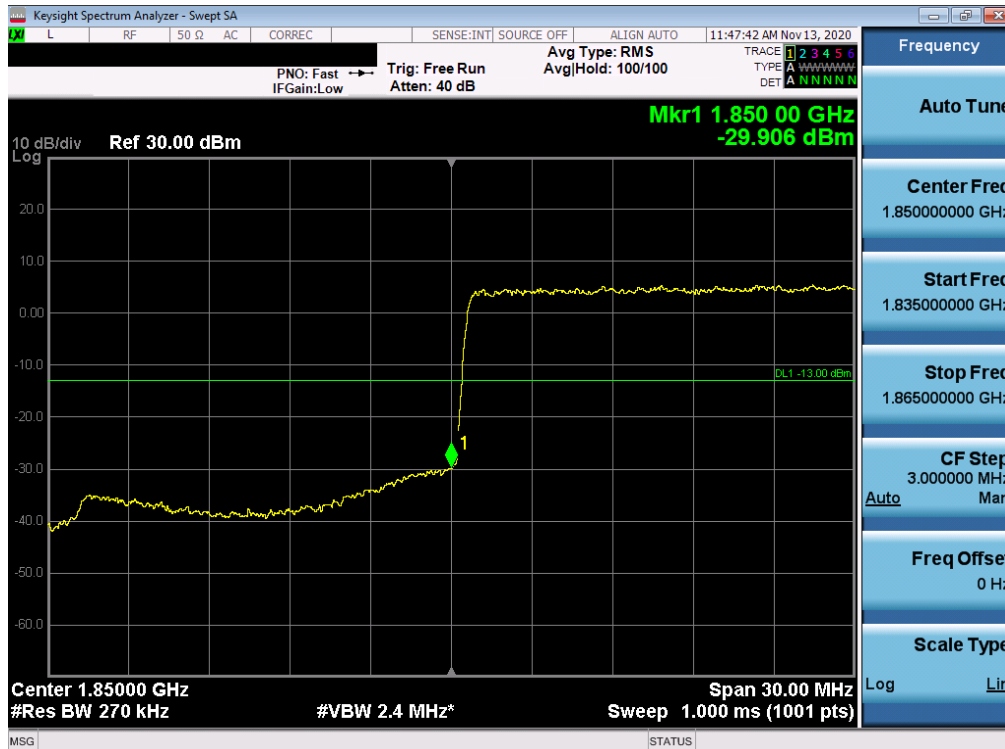


Plot 7-207. Lower Band Edge Plot (NR Band n25 Ant A – 40.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-208. Upper Band Edge Plot (NR Band n25 Ant A – 40.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 127 of 234



Plot 7-209. Lower Band Edge Plot (NR Band n25 Ant A – 30.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-210. Upper Band Edge Plot (NR Band n25 Ant A – 30.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 128 of 234



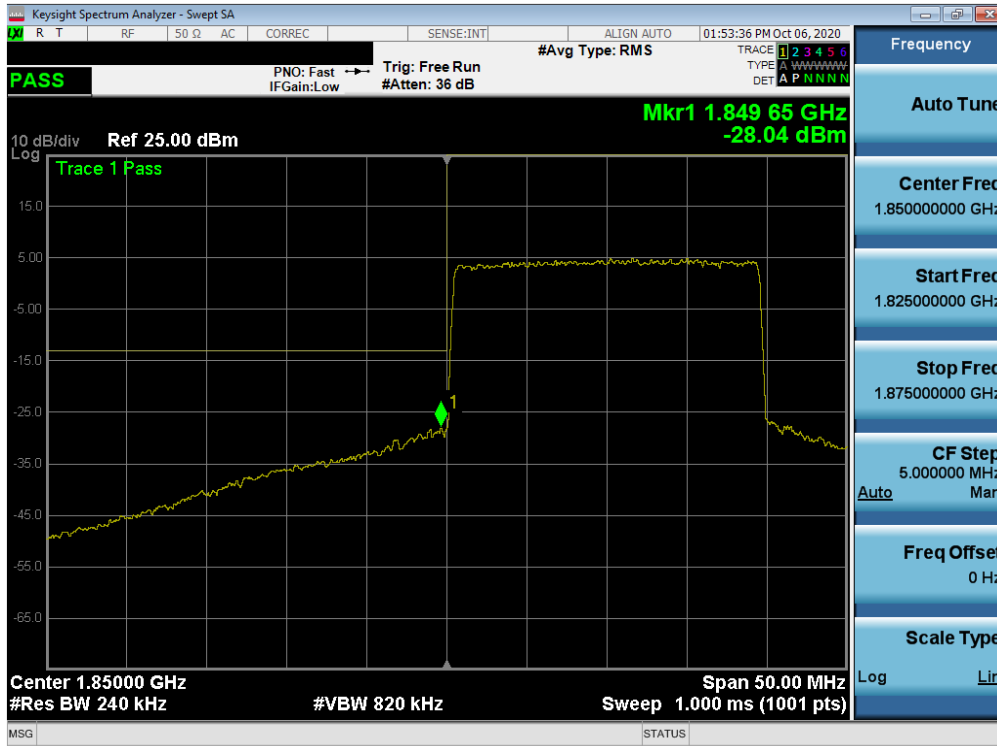
Plot 7-211. Lower Band Edge Plot (NR Band n25 Ant A – 25.0MHz DFT-s-OFDM-QPSK - Full RB)



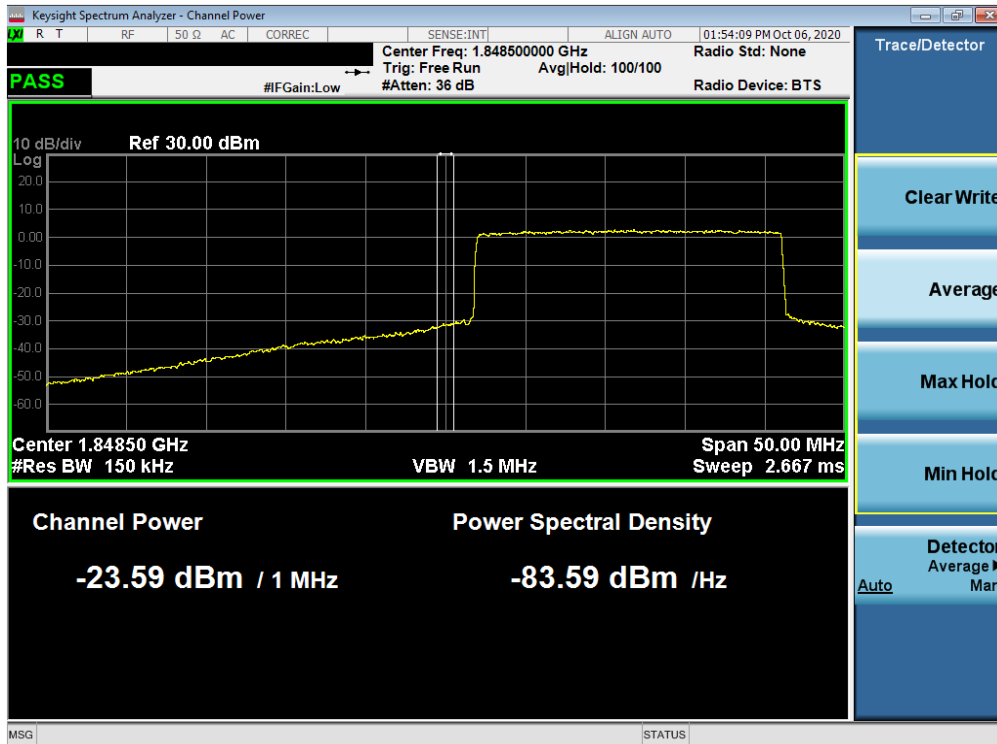
Plot 7-212. Upper Band Edge Plot (NR Band n25 Ant A – 25.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 129 of 234

NR Band n2/n25 Ant A



Plot 7-213. Lower Band Edge Plot (NR Band n2 Ant A – 20.0MHz DFT-s-OFDM-QPSK - Full RB)

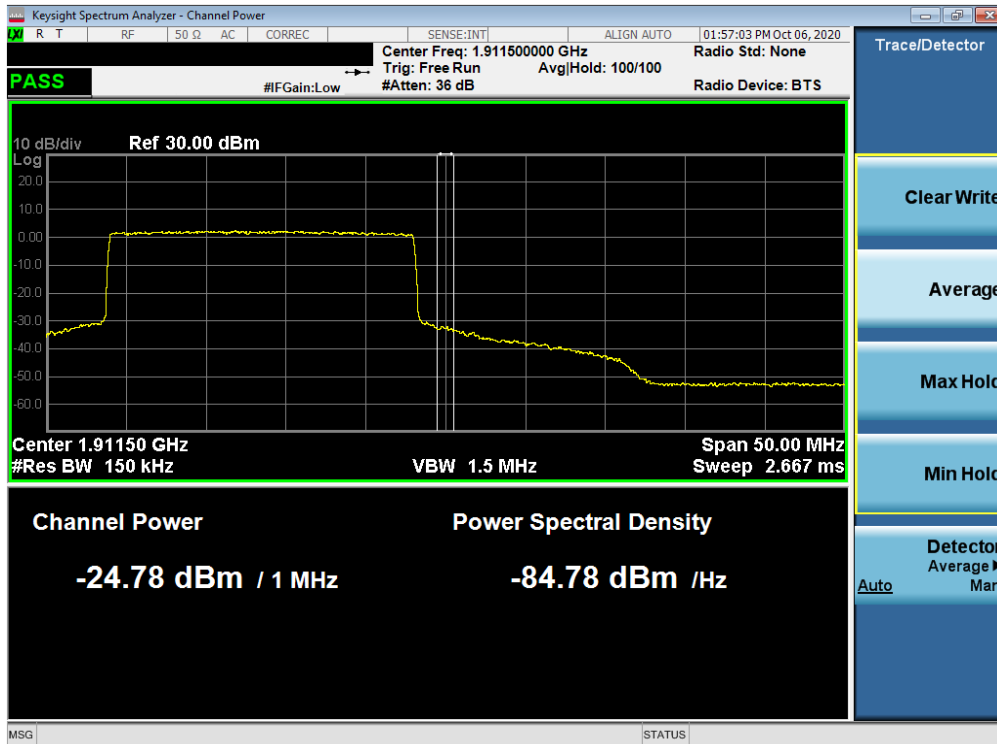


Plot 7-214. Lower Extended Band Edge Plot (NR Band n2 Ant A – 20.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 130 of 234

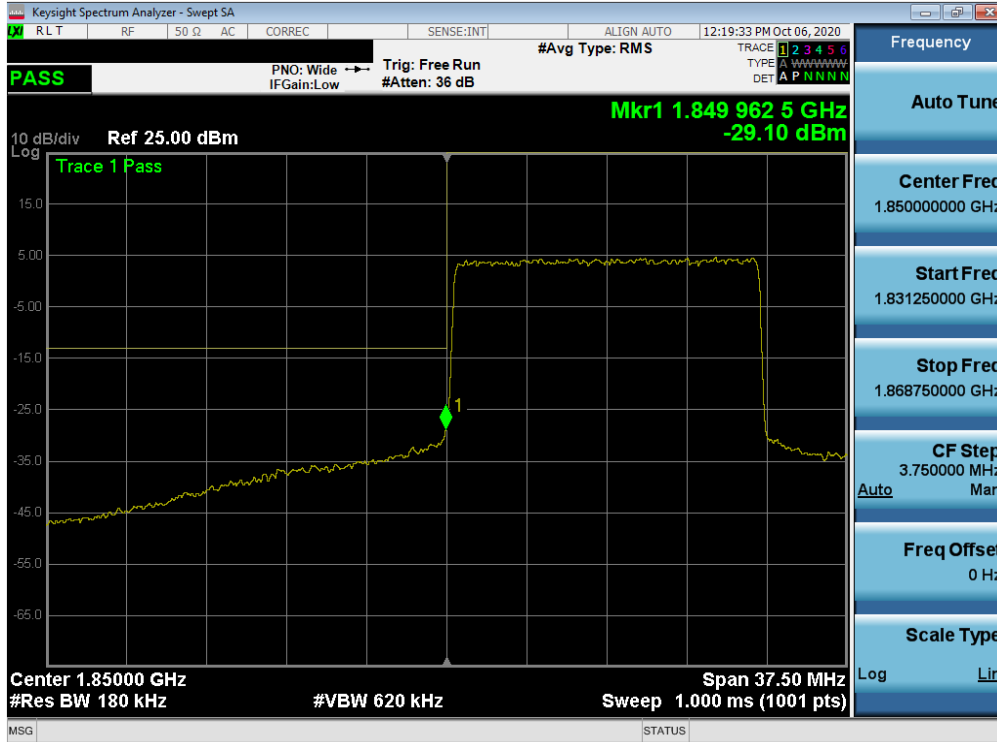


Plot 7-215. Upper Band Edge Plot (NR Band n2 Ant A – 20.0MHz DFT-s-OFDM-QPSK - Full RB)

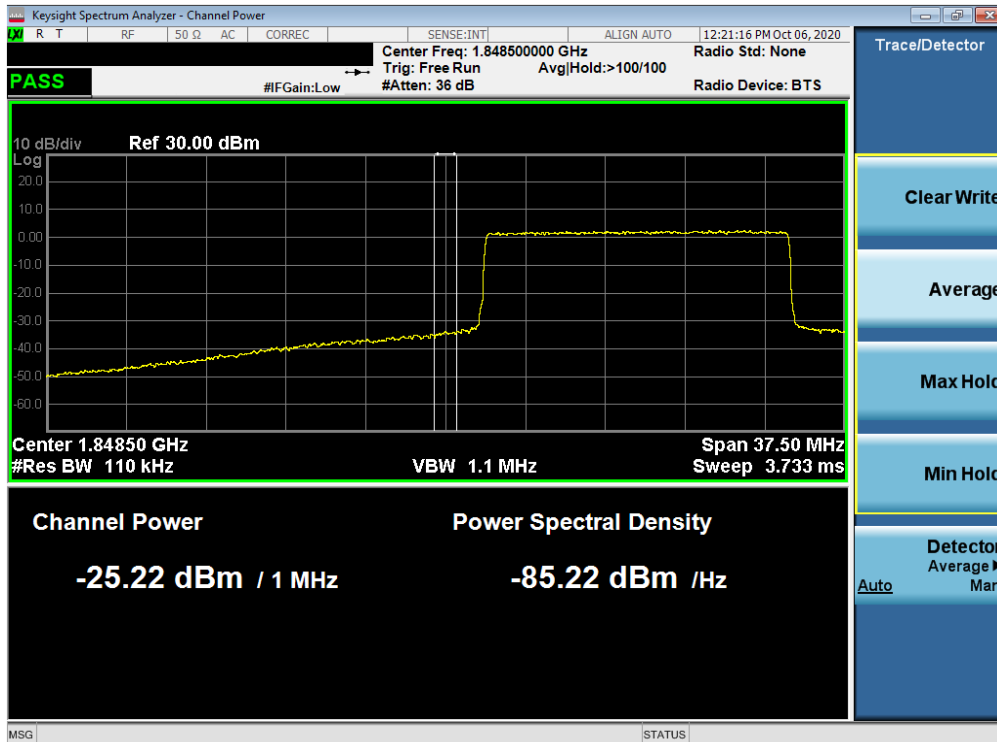


Plot 7-216. Upper Extended Band Edge Plot (NR Band n2 Ant A – 20.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 131 of 234



Plot 7-217. Lower Band Edge Plot (NR Band n2 Ant A – 15.0MHz DFT-s-OFDM-QPSK - Full RB)

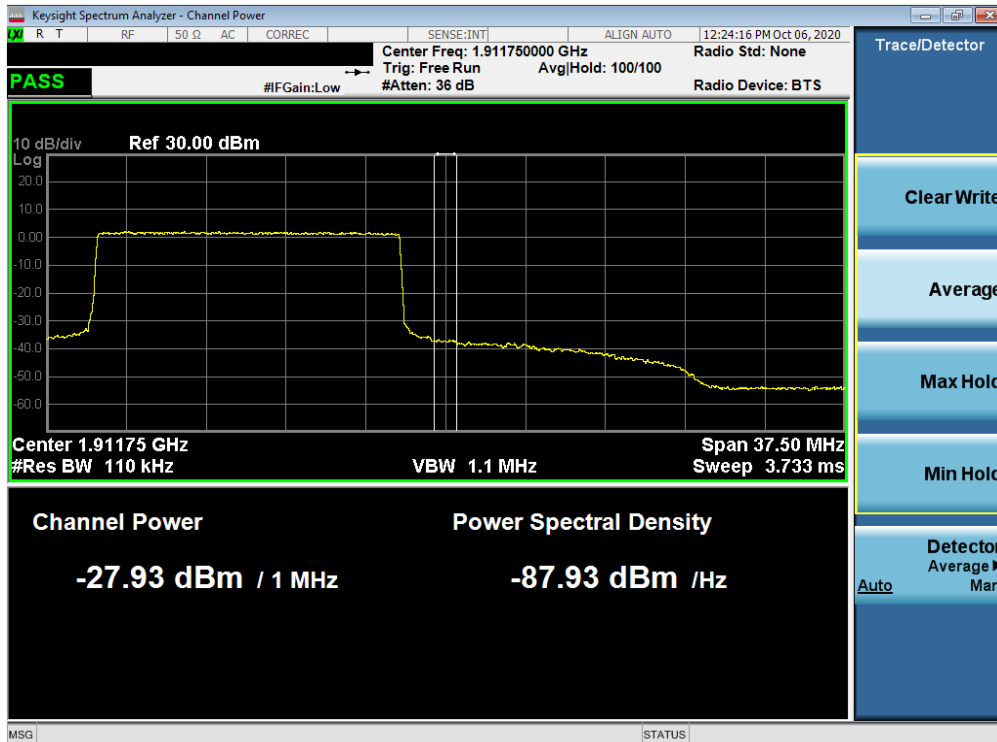


Plot 7-218. Lower Extended Band Edge Plot (NR Band n2 Ant A – 15.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 132 of 234



Plot 7-219. Upper Band Edge Plot (NR Band n2 Ant A – 15.0MHz DFT-s-OFDM-QPSK - Full RB)

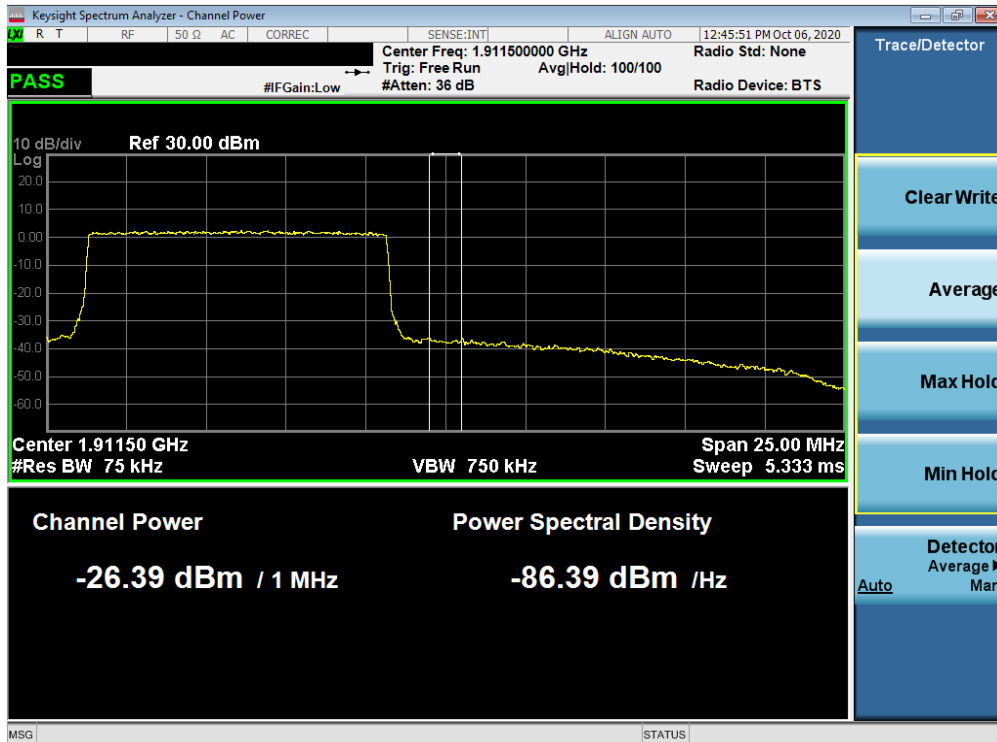


Plot 7-220. Upper Extended Band Edge Plot (NR Band n2 Ant A – 15.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 133 of 234

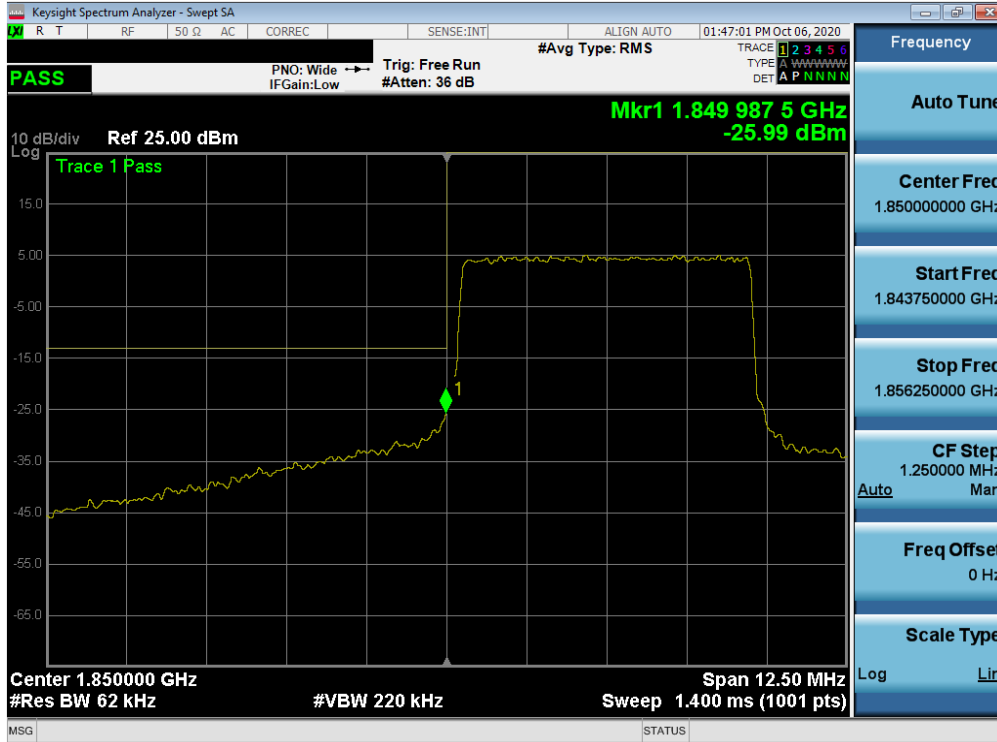


Plot 7-223. Upper Band Edge Plot (NR Band n2 Ant A – 10.0MHz DFT-s-OFDM-QPSK - Full RB)

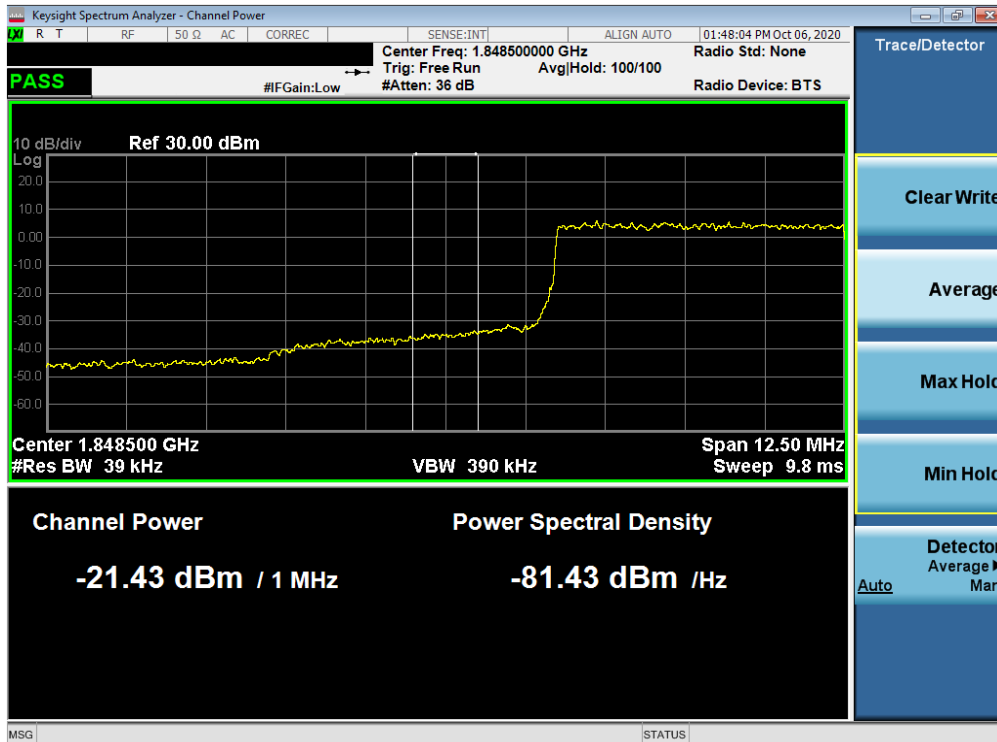


Plot 7-224. Upper Extended Band Edge Plot (NR Band n2 Ant A – 10.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 135 of 234



Plot 7-225. Lower Band Edge Plot (NR Band n2 Ant A – 5.0MHz DFT-s-OFDM-QPSK - Full RB)

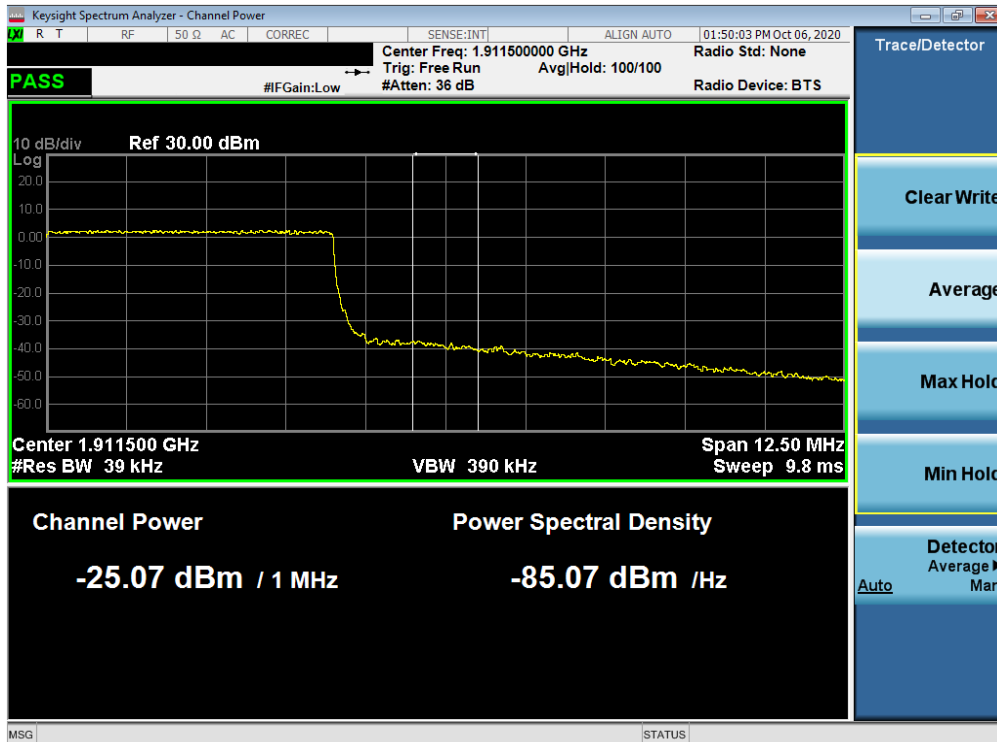


Plot 7-226. Lower Extended Band Edge Plot (NR Band n2 Ant A – 5.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 136 of 234



Plot 7-227. Upper Band Edge Plot (NR Band n2 Ant A – 5.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-228. Upper Extended Band Edge Plot (NR Band n2 Ant A – 5.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 137 of 234

NR Band n25 Ant I



Plot 7-229. Lower Band Edge Plot (NR Band n25 Ant I– 40.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-230. Upper Band Edge Plot (NR Band n25 Ant I– 40.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 138 of 234

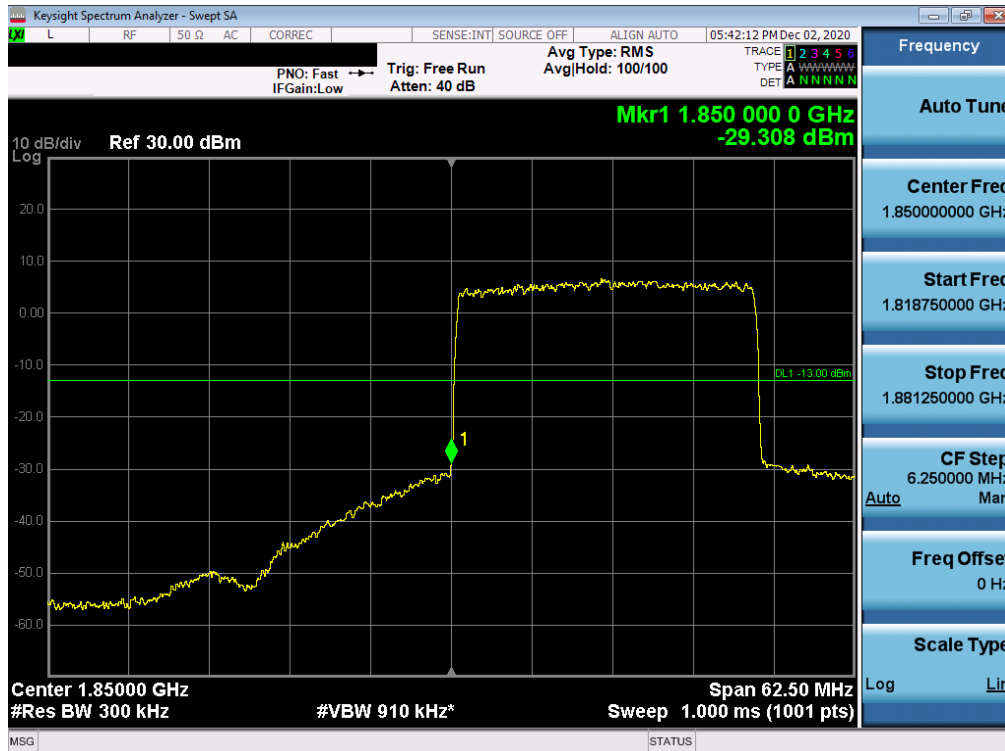


Plot 7-231. Lower Band Edge Plot (NR Band n25 Ant I– 30.0MHz DFT-s-OFDM-QPSK - Full RB)

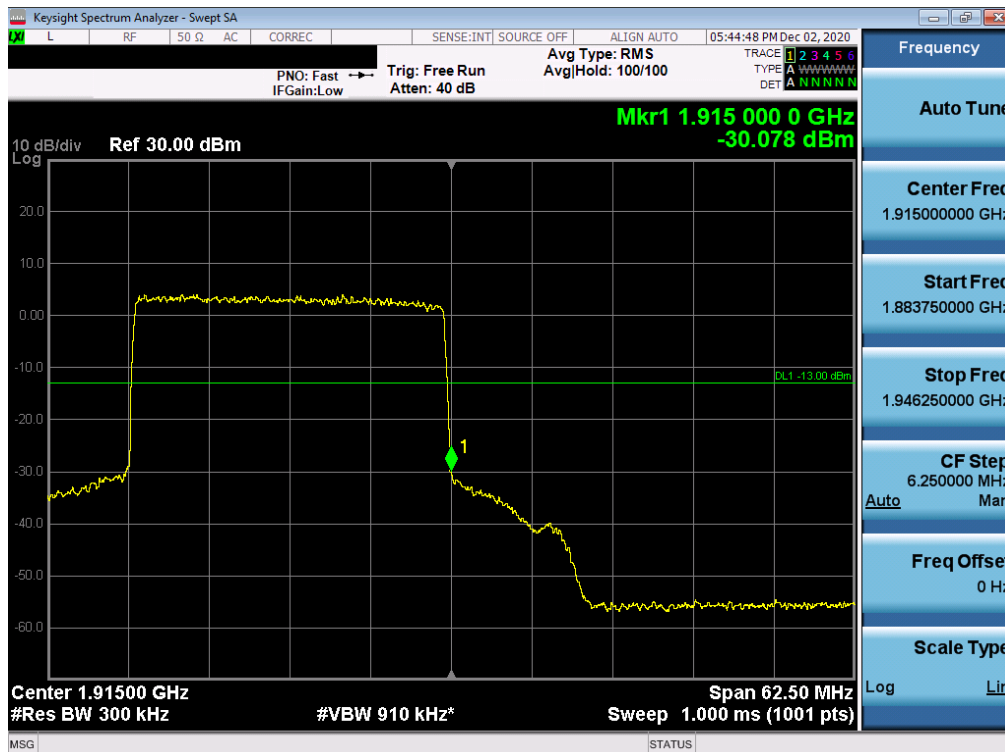


Plot 7-232. Upper Band Edge Plot (NR Band n25 Ant I– 30.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Product to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 139 of 234



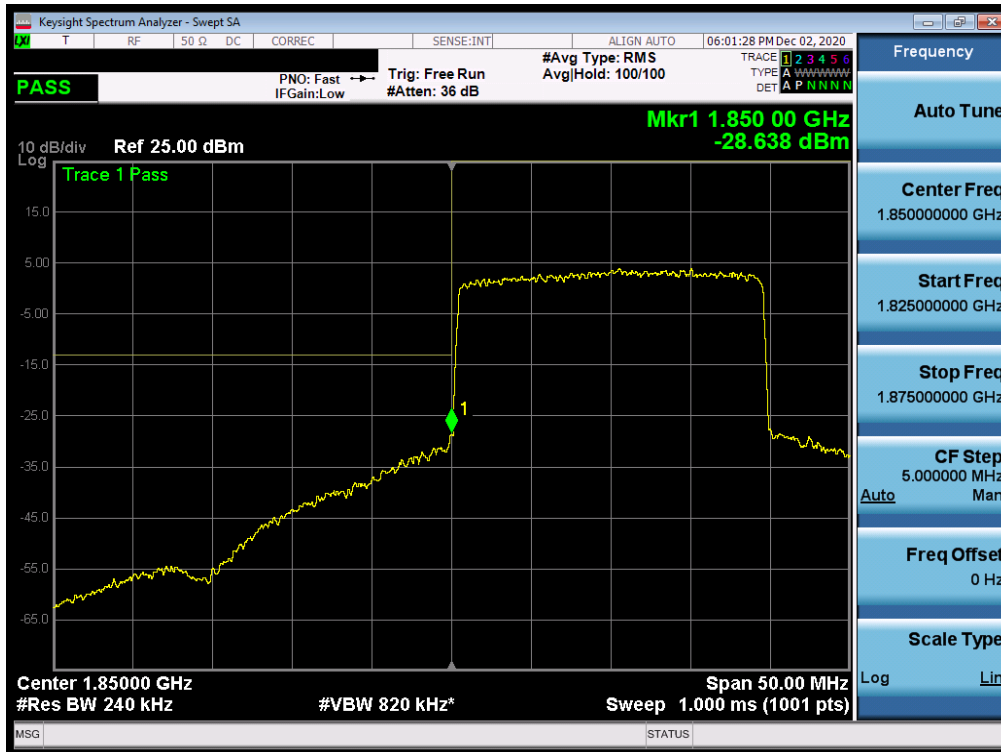
Plot 7-233. Lower Band Edge Plot (NR Band n25 Ant I– 25.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-234. Upper Band Edge Plot (NR Band n25 Ant I– 25.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Product to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 140 of 234

NR Band n2 Ant I

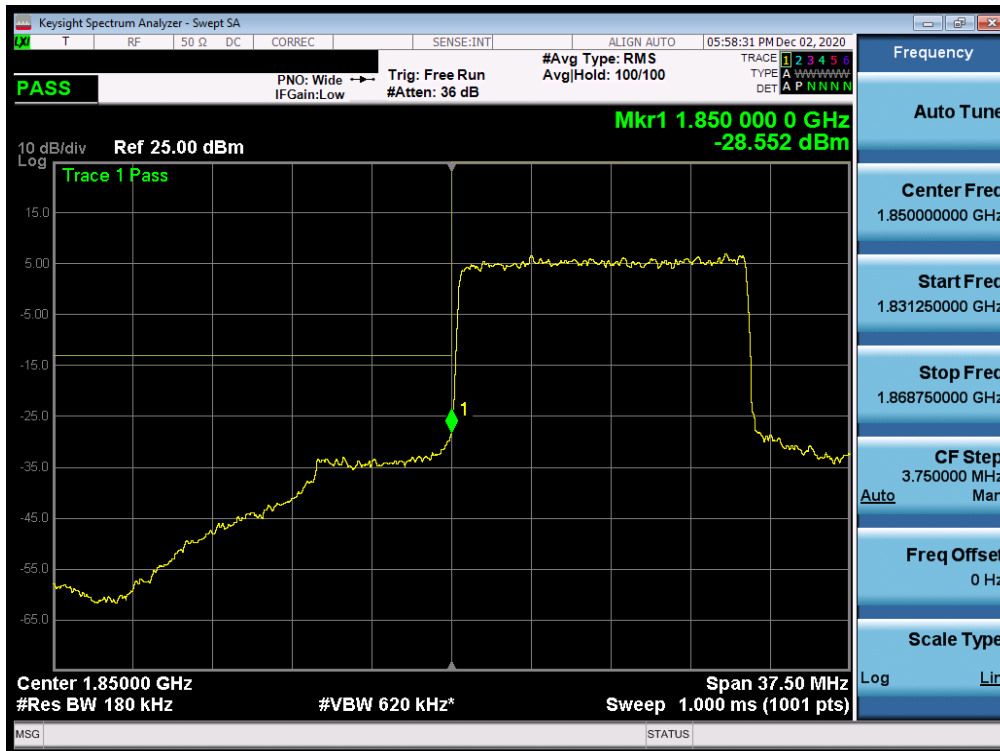


Plot 7-235. Lower Band Edge Plot (NR Band n2 Ant I- 20.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-236. Upper Band Edge Plot (NR Band n2 Ant I- 20.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 141 of 234

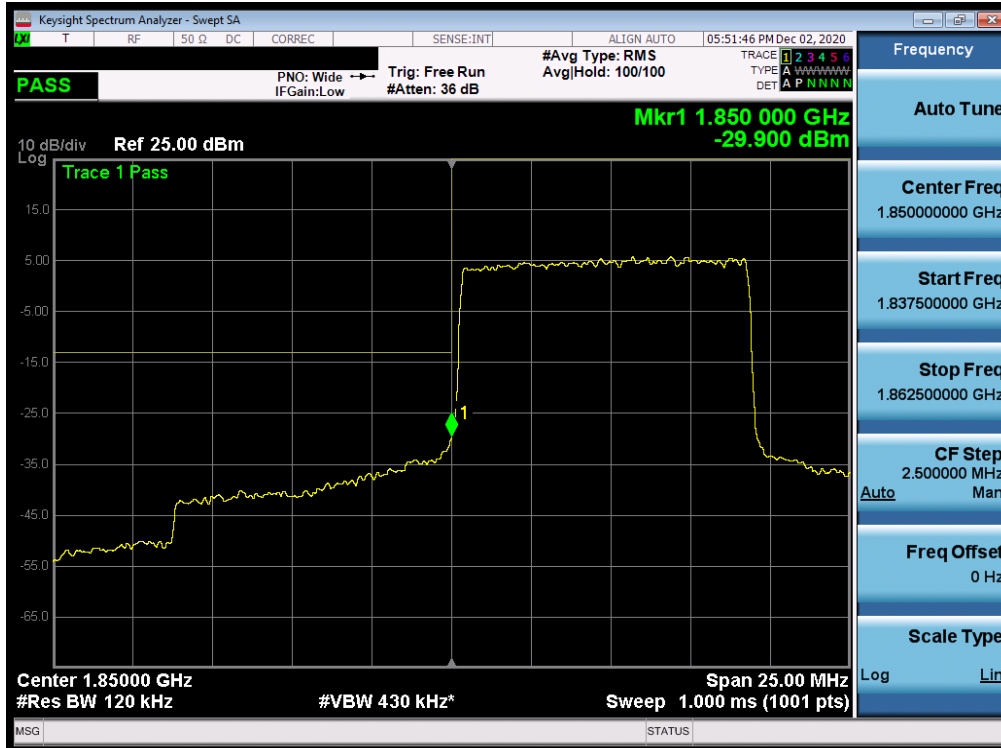


Plot 7-237. Lower Band Edge Plot (NR Band n2 Ant I- 15.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-238. Upper Band Edge Plot (NR Band n2 Ant I- 15.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 142 of 234

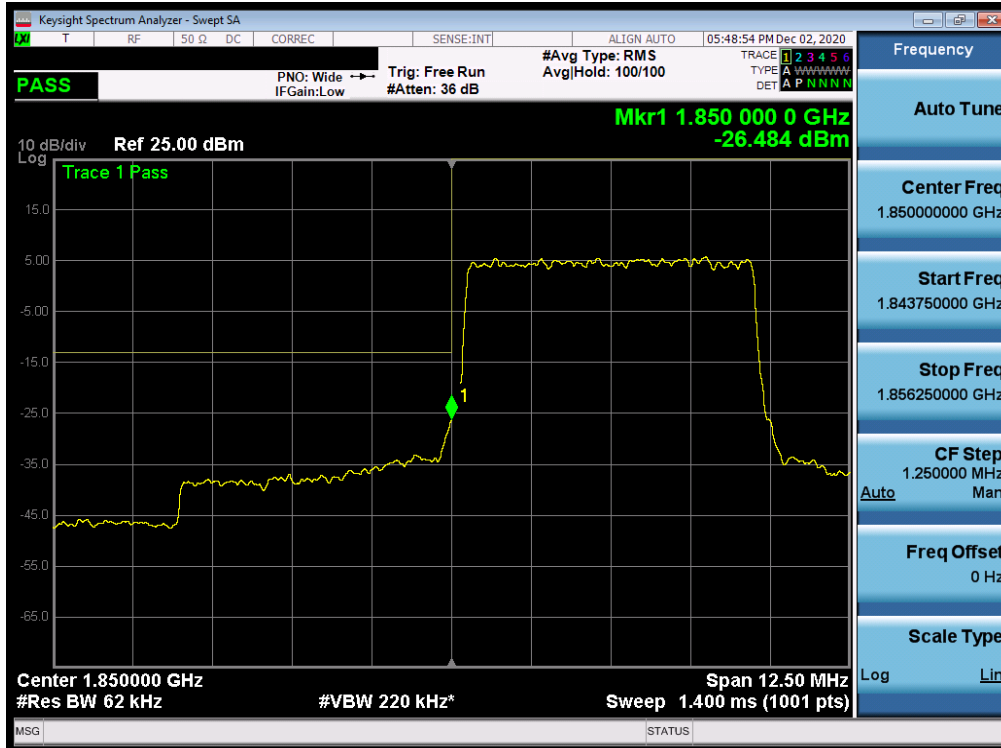


Plot 7-239. Lower Band Edge Plot (NR Band n2 Ant I- 10.0MHz DFT-s-OFDM-QPSK - Full RB)



Plot 7-240. Upper Band Edge Plot (NR Band n2 Ant I- 10.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 143 of 234



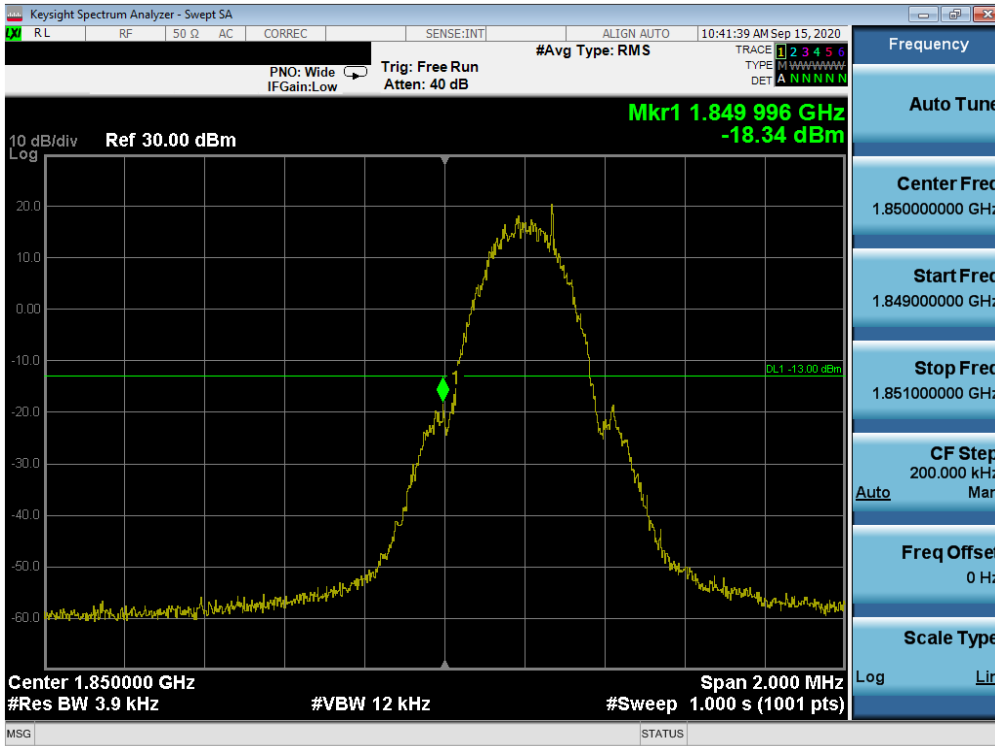
Plot 7-241. Lower Band Edge Plot (NR Band n2 Ant I– 5.0MHz DFT-s-OFDM-QPSK - Full RB)



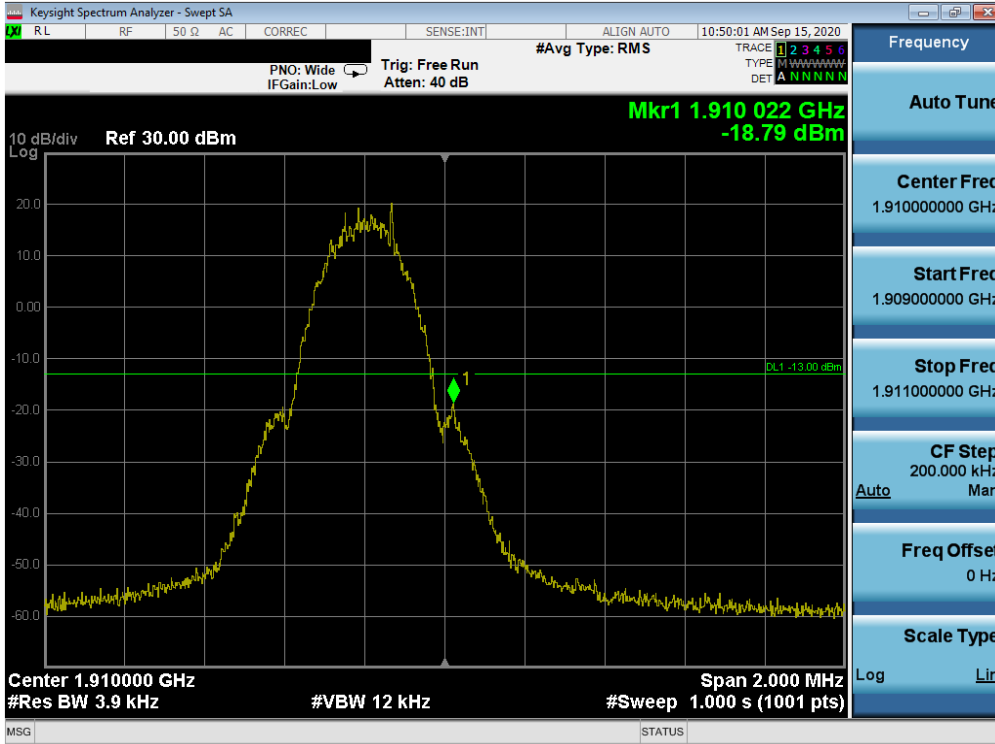
Plot 7-242. Upper Band Edge Plot (NR Band n2 Ant I– 5.0MHz DFT-s-OFDM-QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 144 of 234

GSM/GPRS PCS



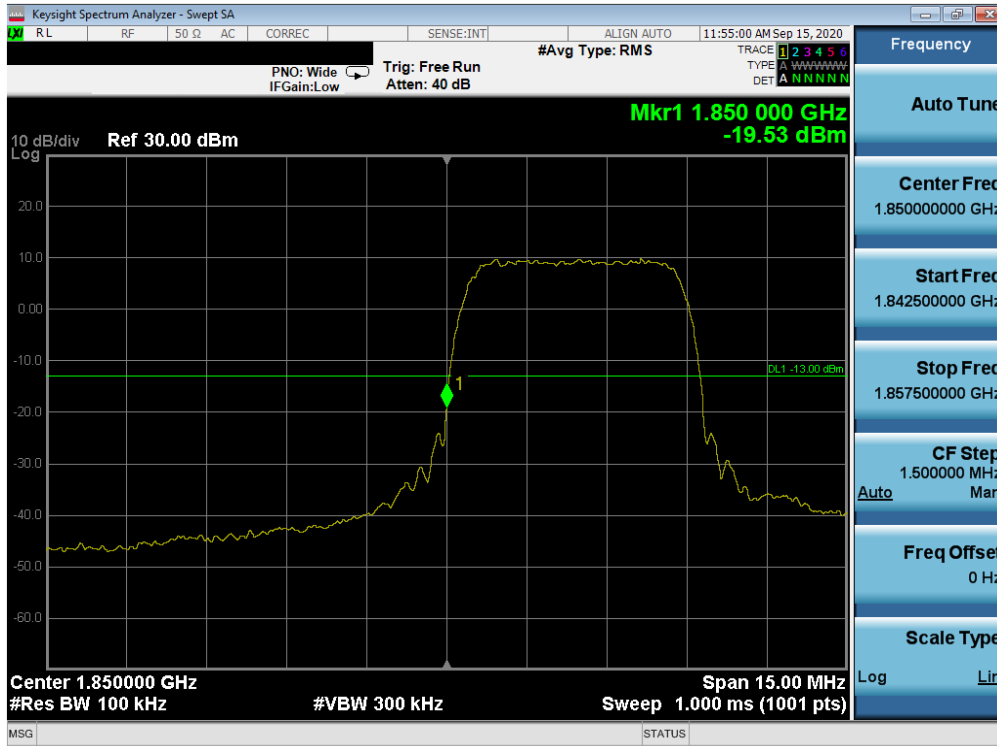
Plot 7-243. Lower Band Edge Plot (GPRS PCS – Ch. 512)



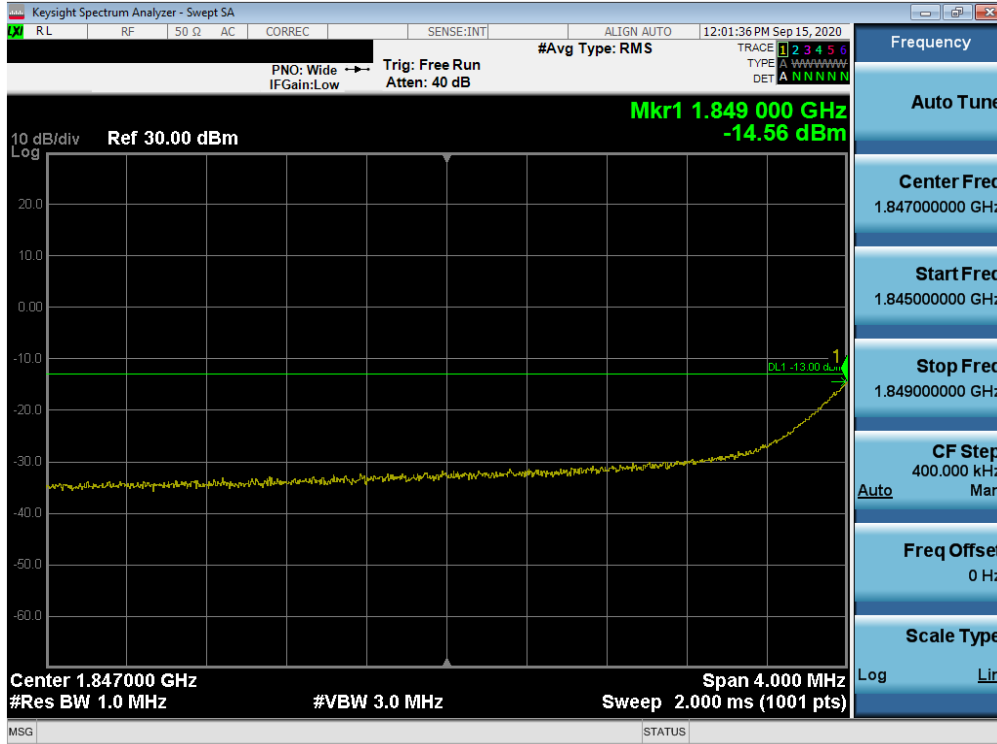
Plot 7-244. Upper Band Edge Plot (GPRS PCS – Ch. 810)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 145 of 234

WCDMA PCS



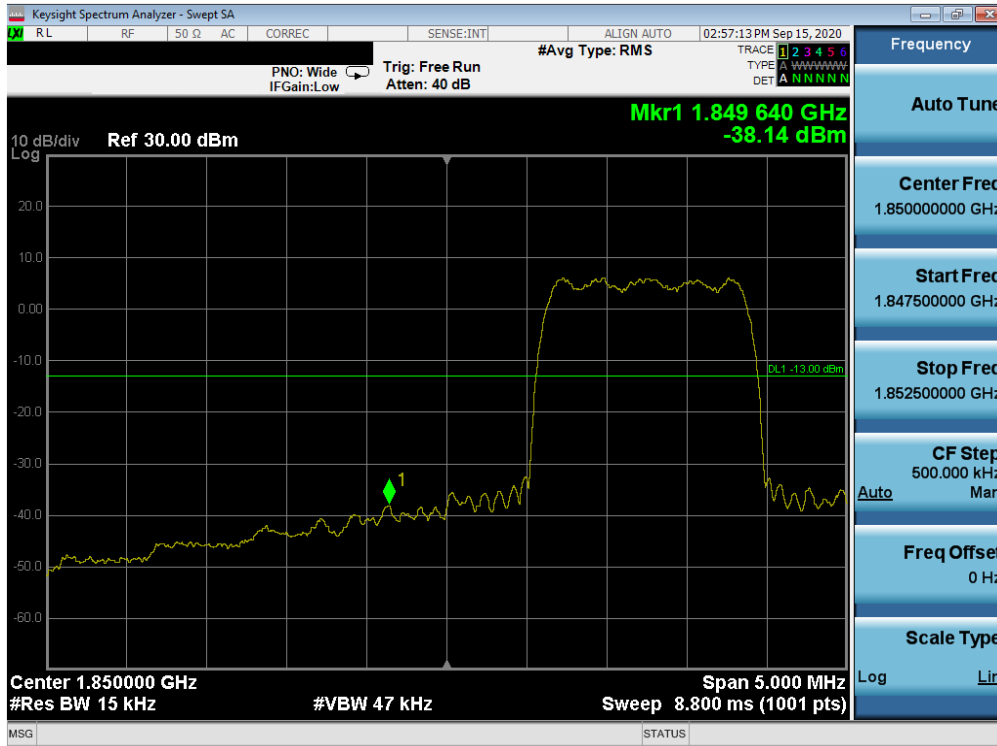
Plot 7-245. Lower Band Edge Plot (WCDMA PCS – Ch. 9262)



Plot 7-246. Extended Lower Band Edge Plot (WCDMA PCS – Ch. 9262)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 146 of 234

CDMA PCS

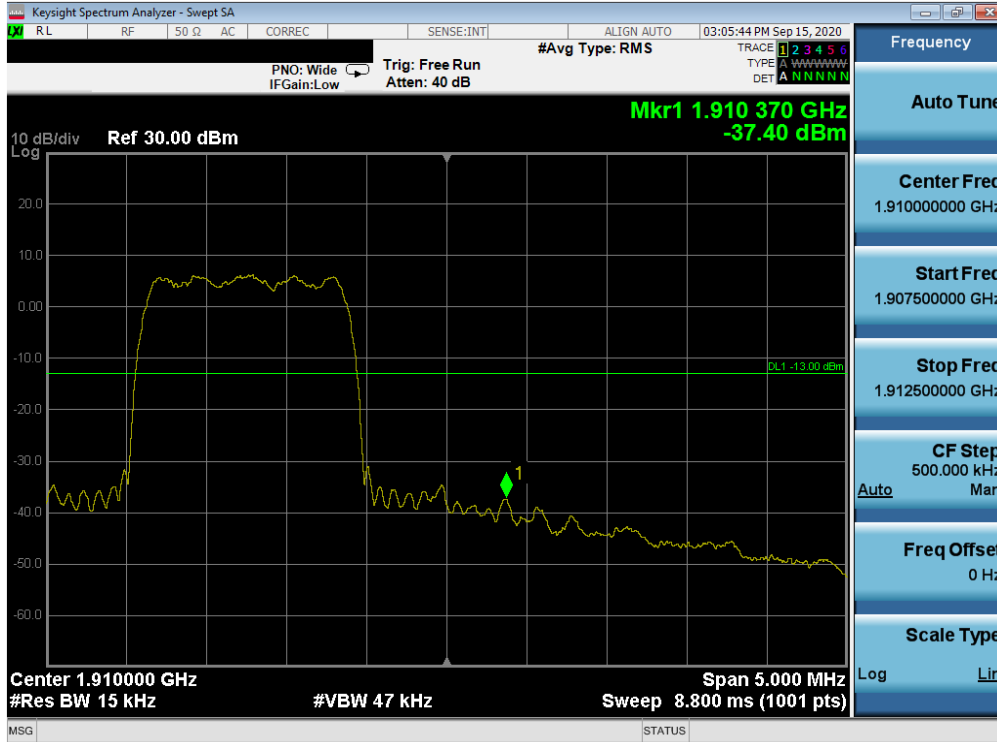


Plot 7-249. Lower Band Edge Plot (CDMA PCS – Ch. 25)



Plot 7-250. Extended Lower Band Edge Plot (CDMA PCS – Ch. 25)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 148 of 234



Plot 7-251. Upper Band Edge Plot (CDMA PCS – Ch. 1175)



Plot 7-252. Extended Upper Band Edge Plot (CDMA PCS – Ch. 1175)

FCC ID: A3LSMG996U	PCTEST Product to be part of @element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
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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.

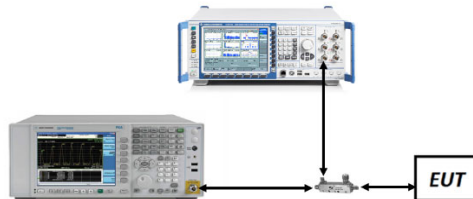


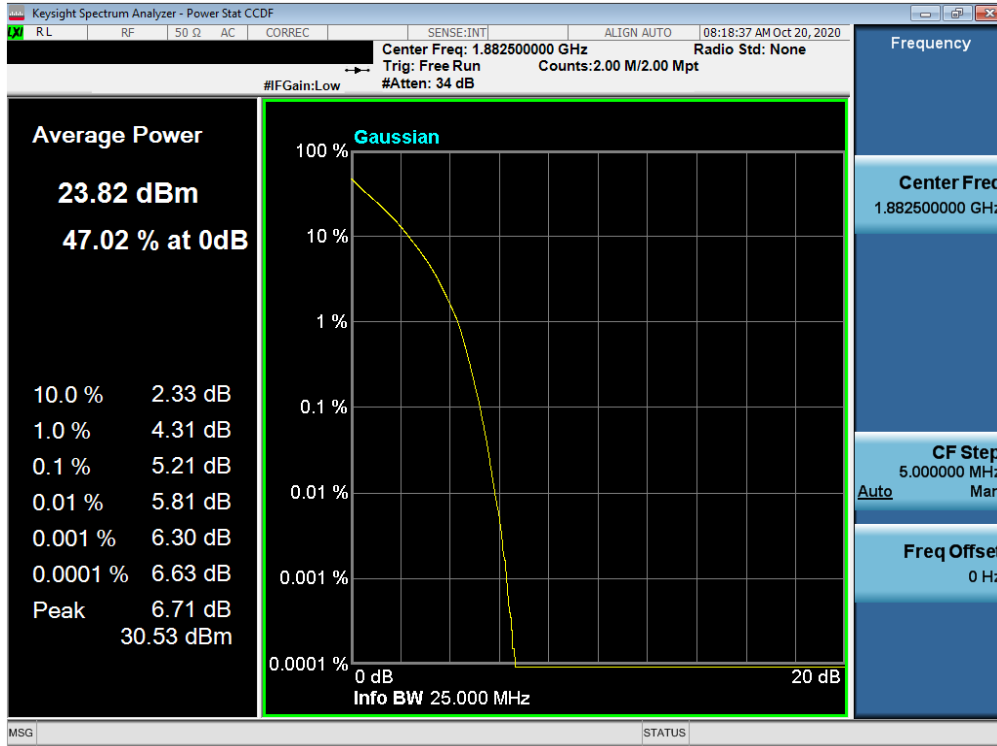
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

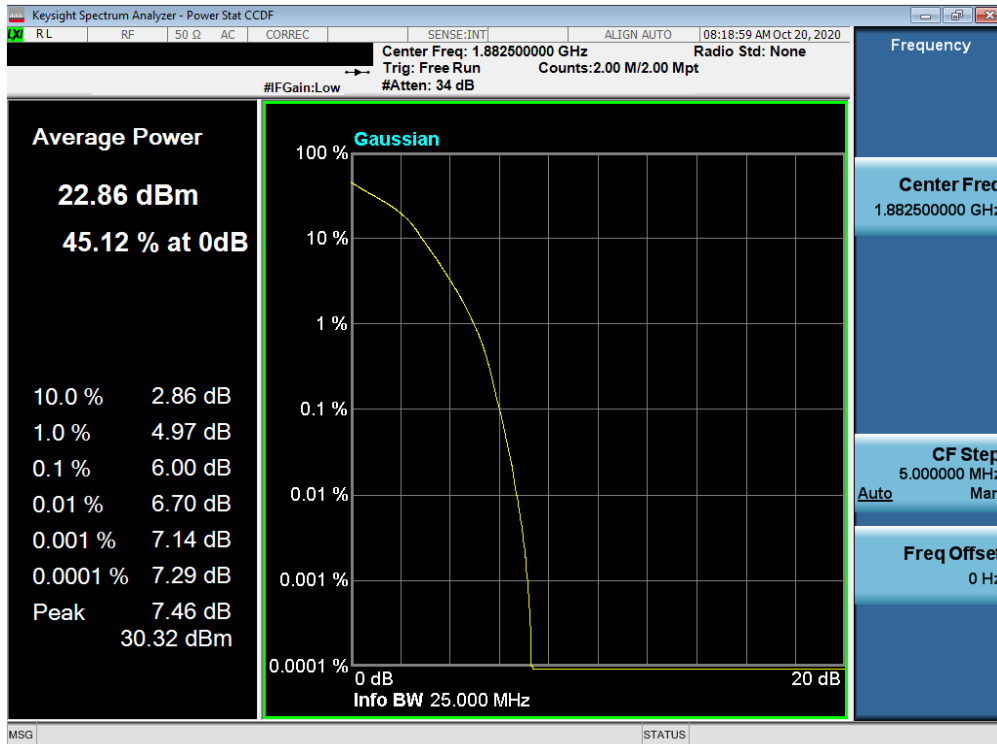
None.

FCC ID: A3LSMG996U	PCTEST Product to be part of @element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 150 of 234



LTE Band 25/2

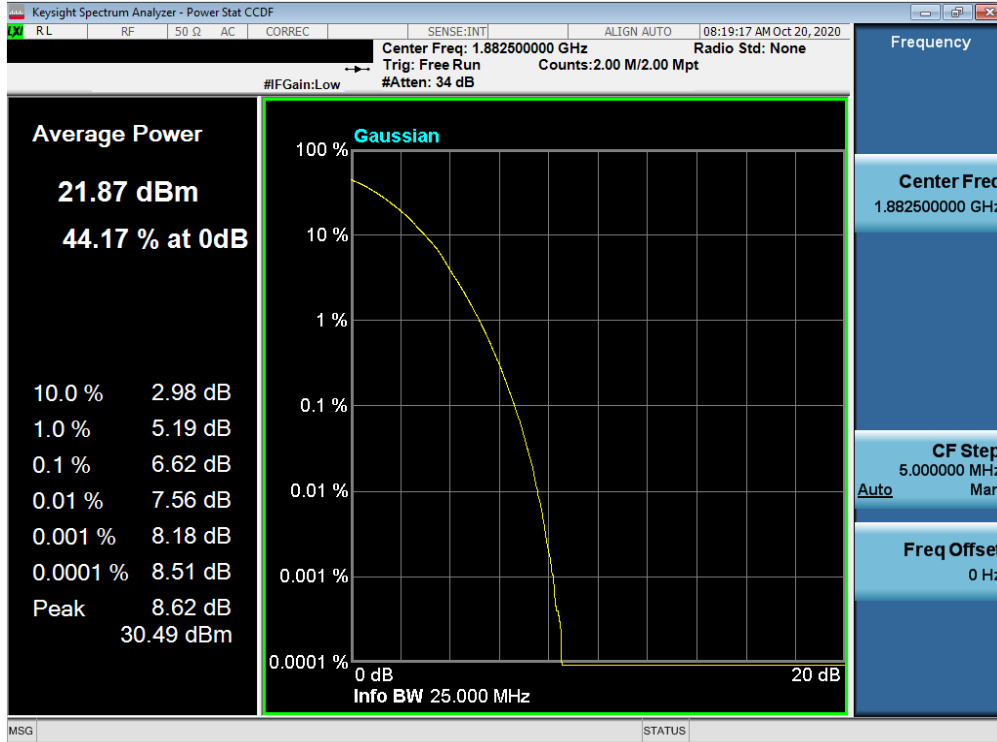


Plot 7-253. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB Configuration)

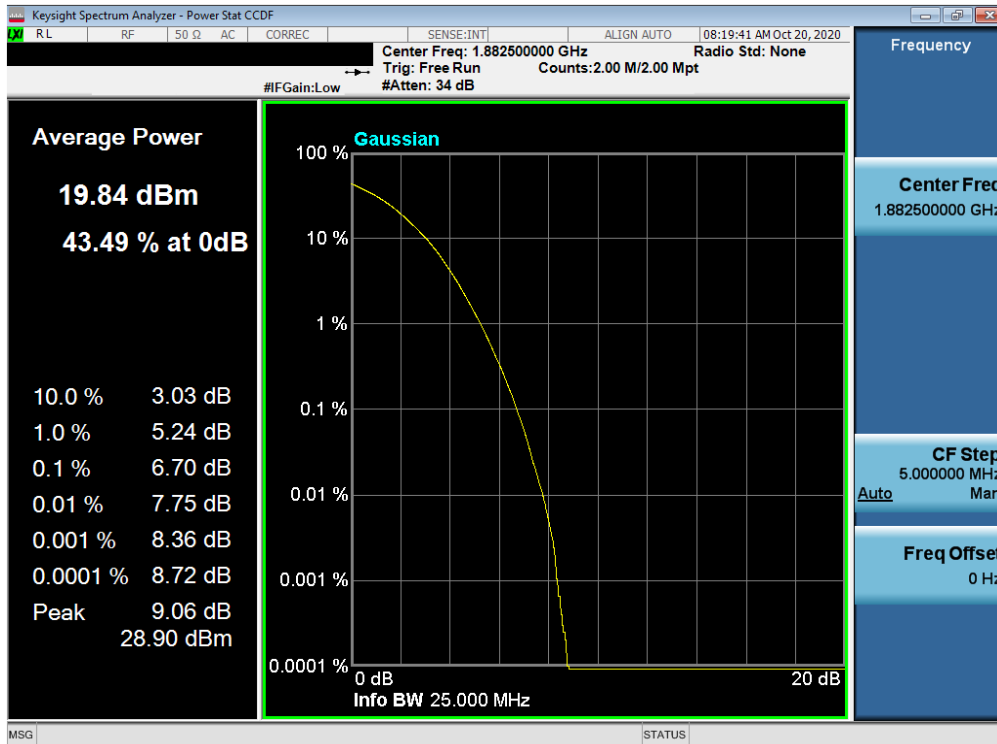


Plot 7-254. PAR Plot (LTE Band 25/2 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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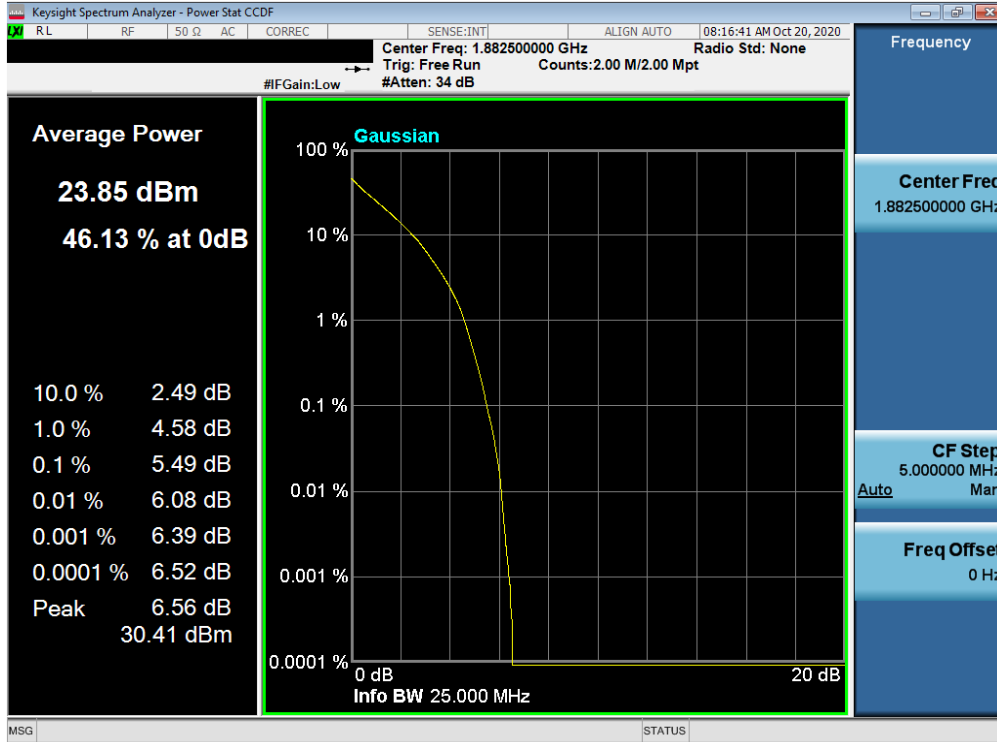


Plot 7-255. PAR Plot (LTE Band 25/2 - 20MHz 64-QAM - Full RB Configuration)

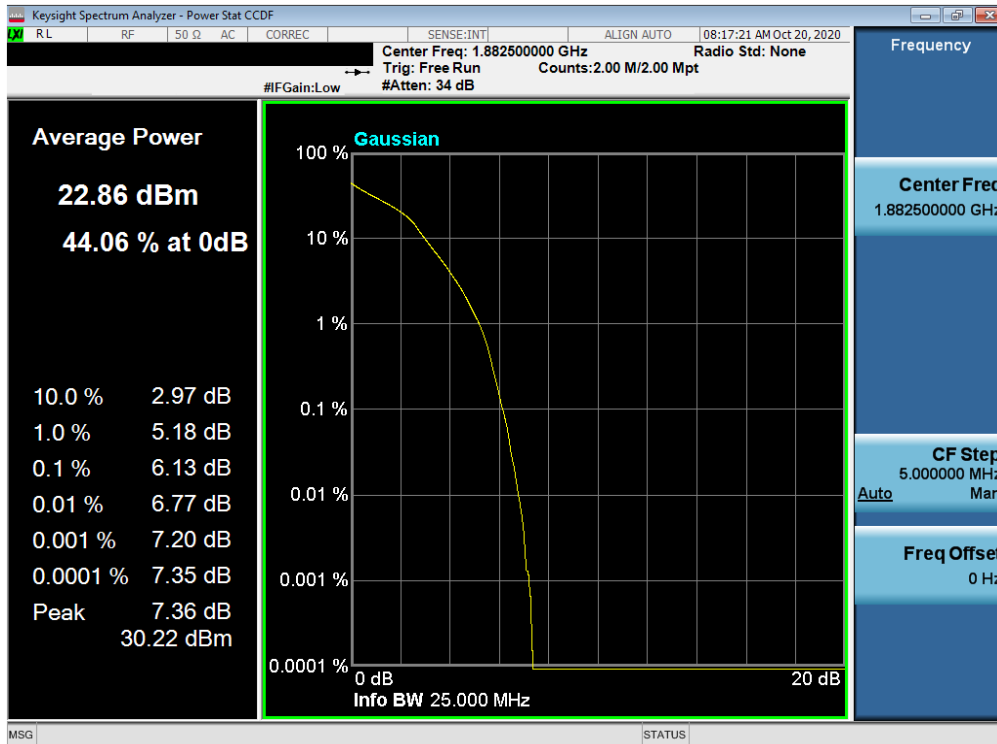


Plot 7-256. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Product to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 152 of 234

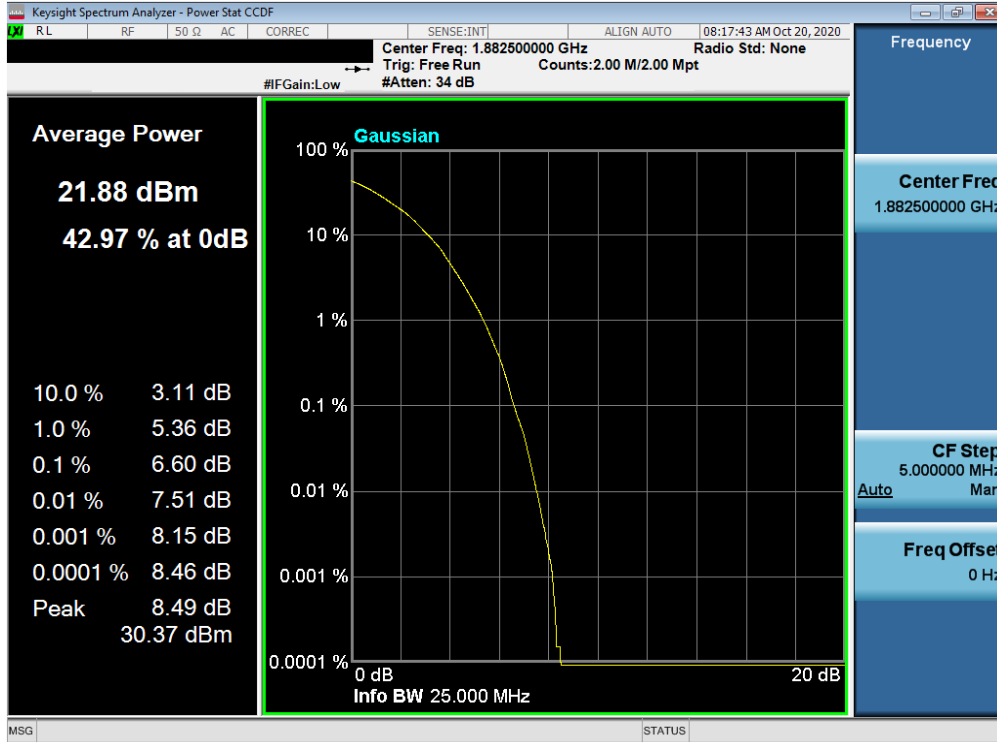


Plot 7-257. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB Configuration)

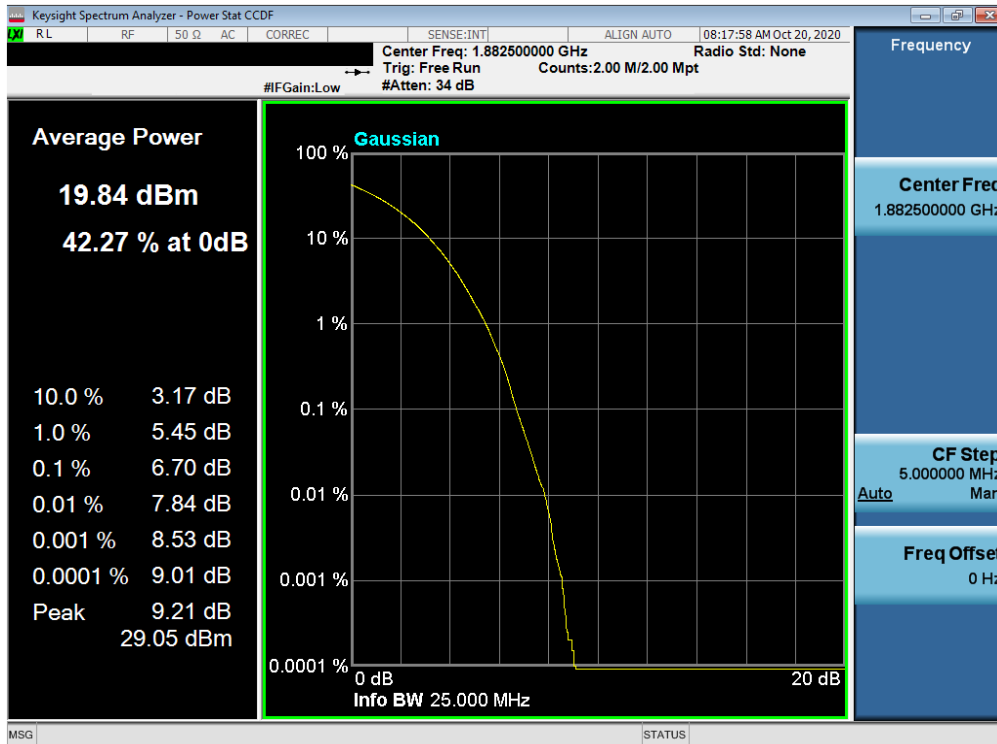


Plot 7-258. PAR Plot (LTE Band 25/2 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 153 of 234

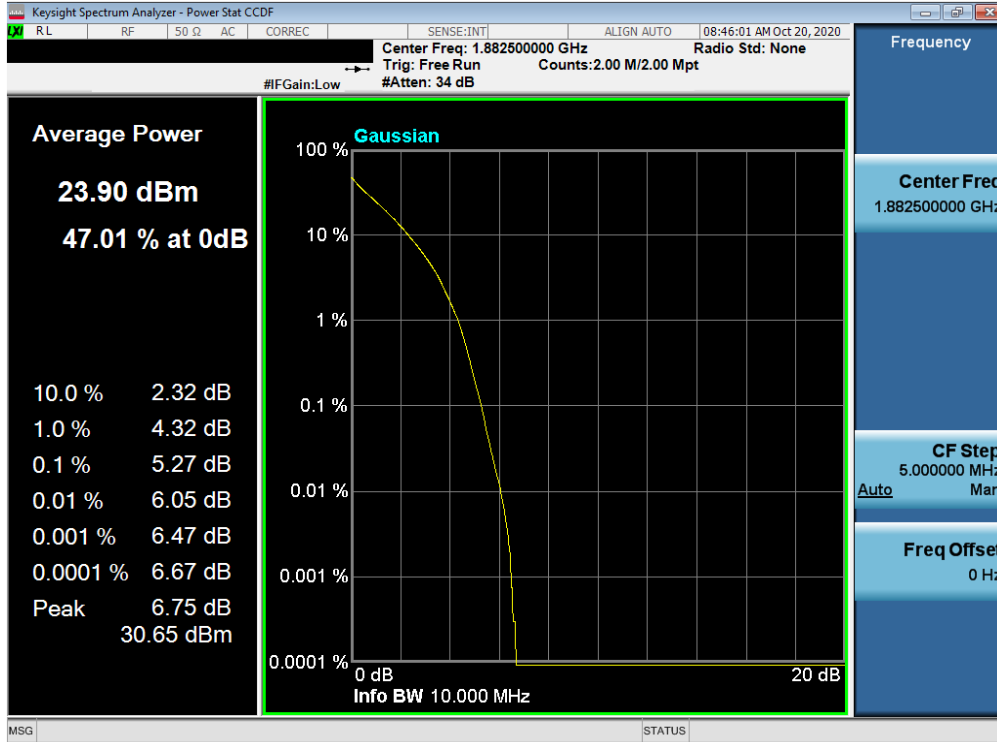


Plot 7-259. PAR Plot (LTE Band 25/2 - 15MHz 64-QAM - Full RB Configuration)

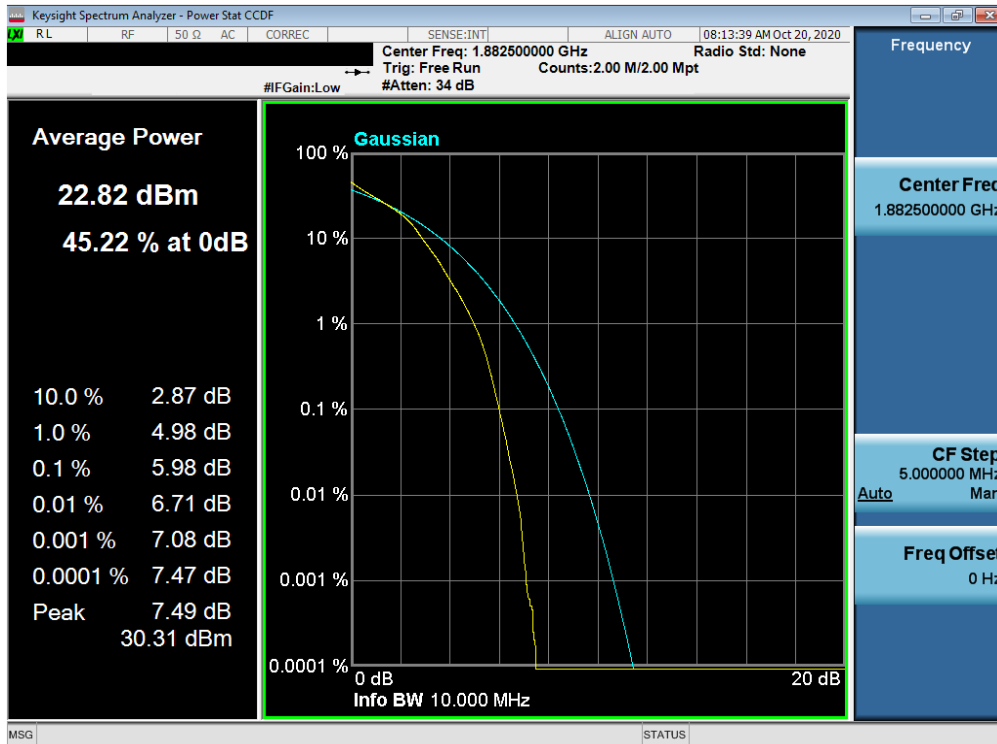


Plot 7-260. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 154 of 234

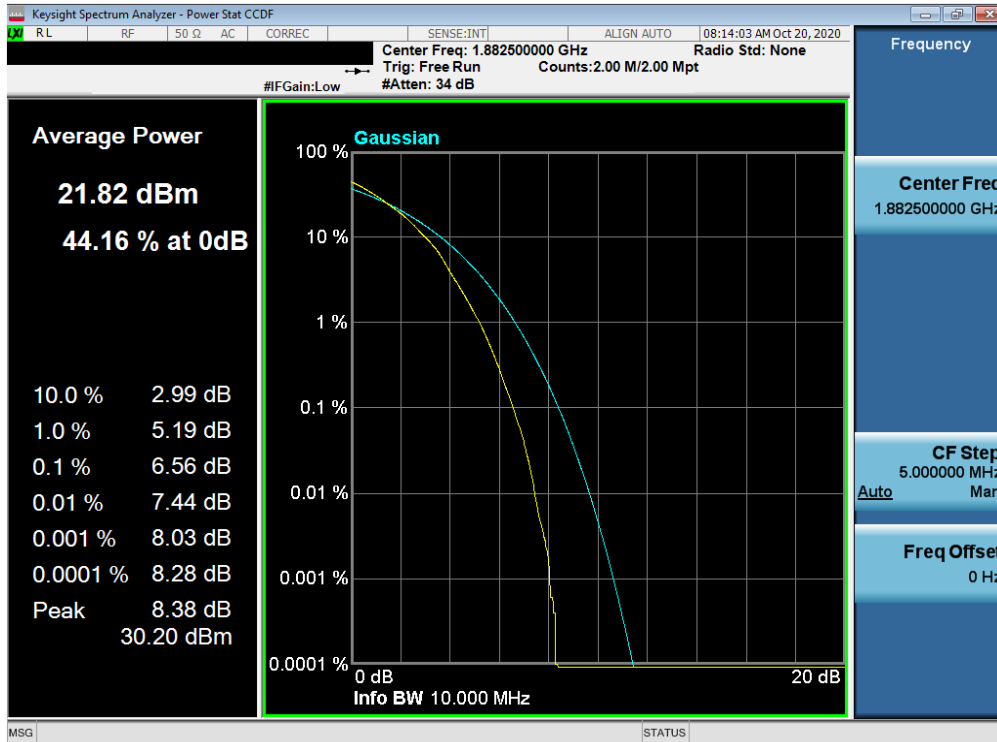


Plot 7-261. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB Configuration)

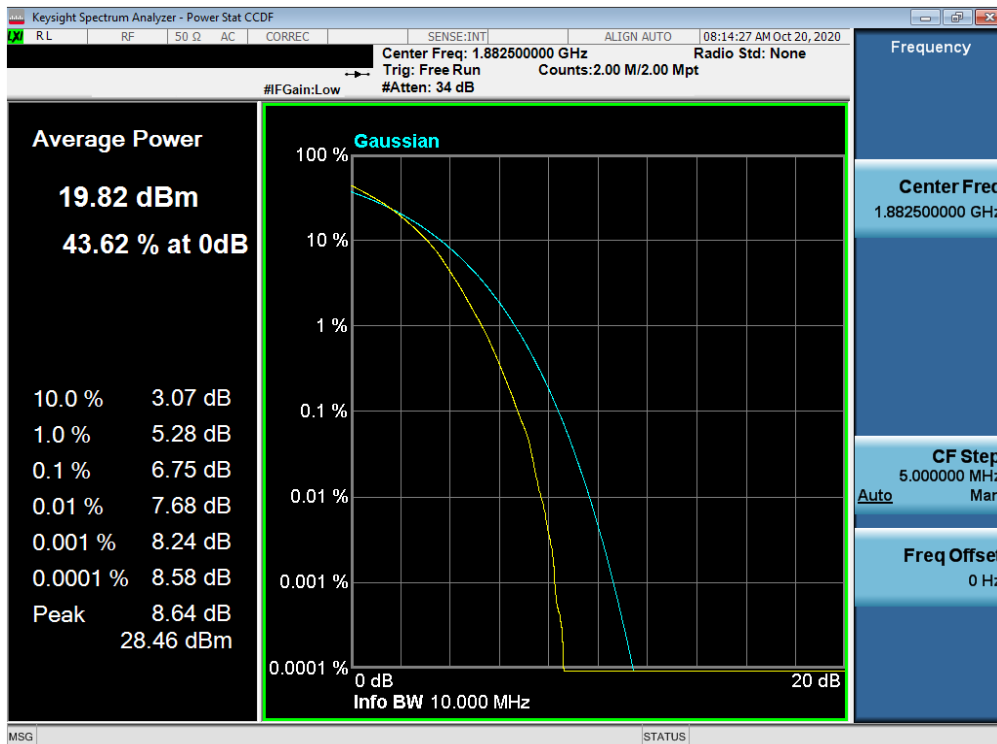


Plot 7-262. PAR Plot (LTE Band 25/2 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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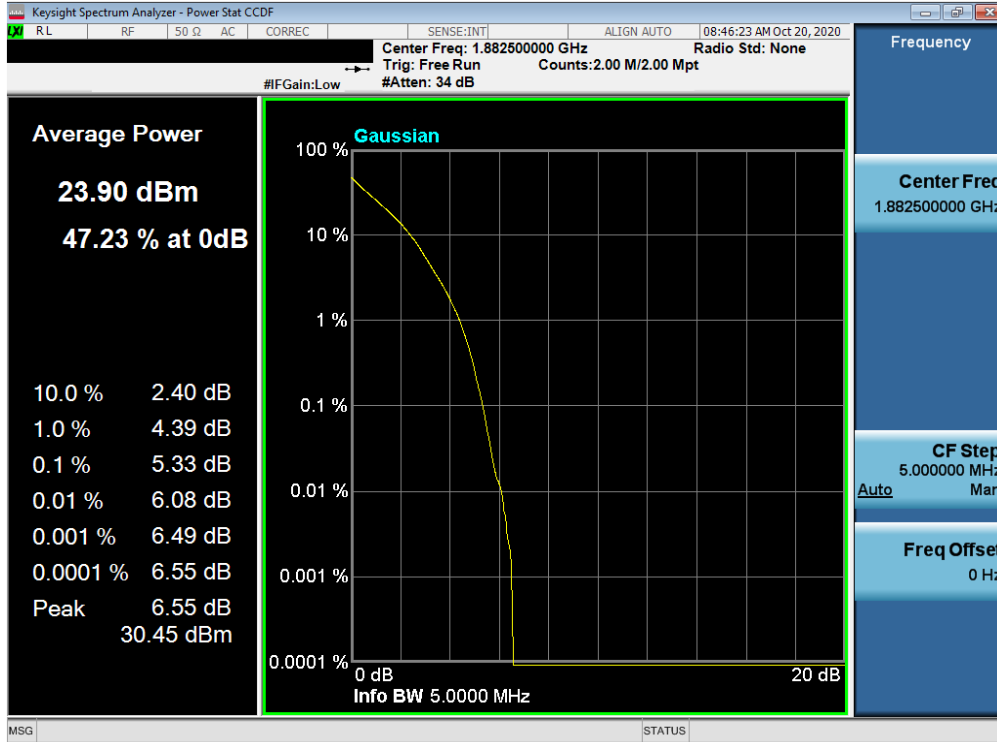


Plot 7-263. PAR Plot (LTE Band 25/2 - 10MHz 64-QAM - Full RB Configuration)

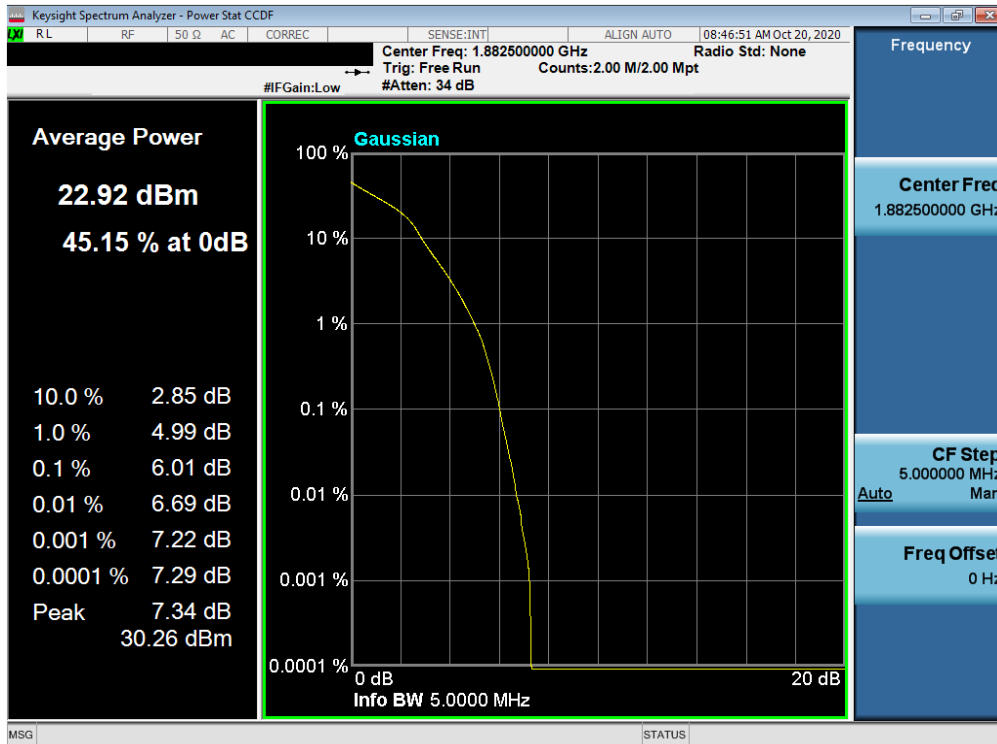


Plot 7-264. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset	Page 156 of 234

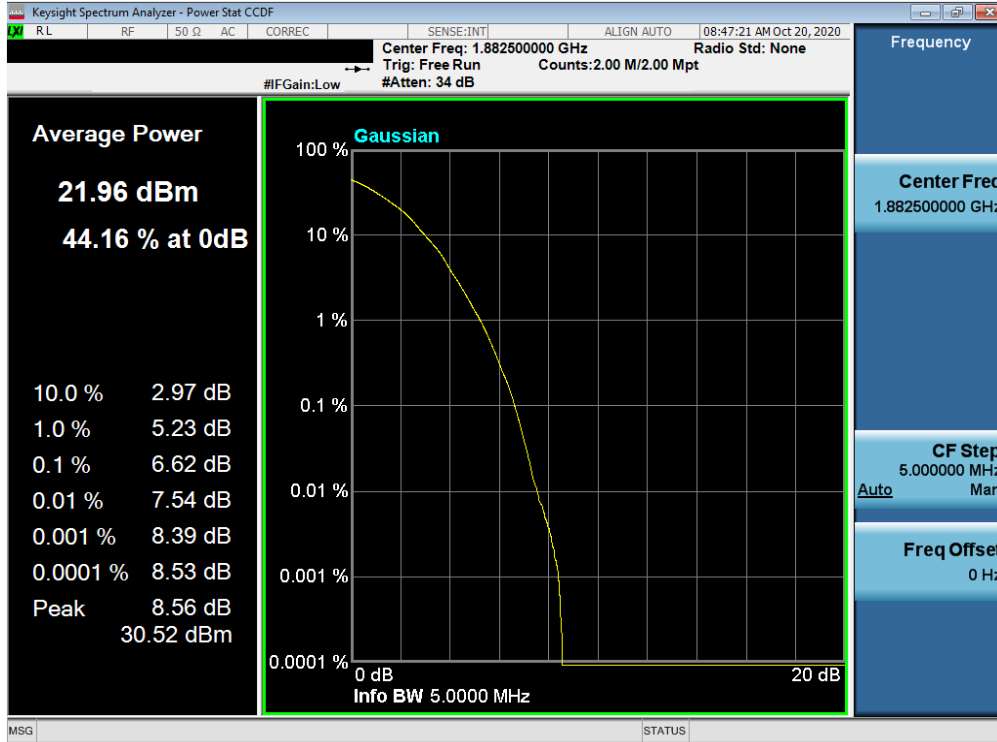


Plot 7-265. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB Configuration)

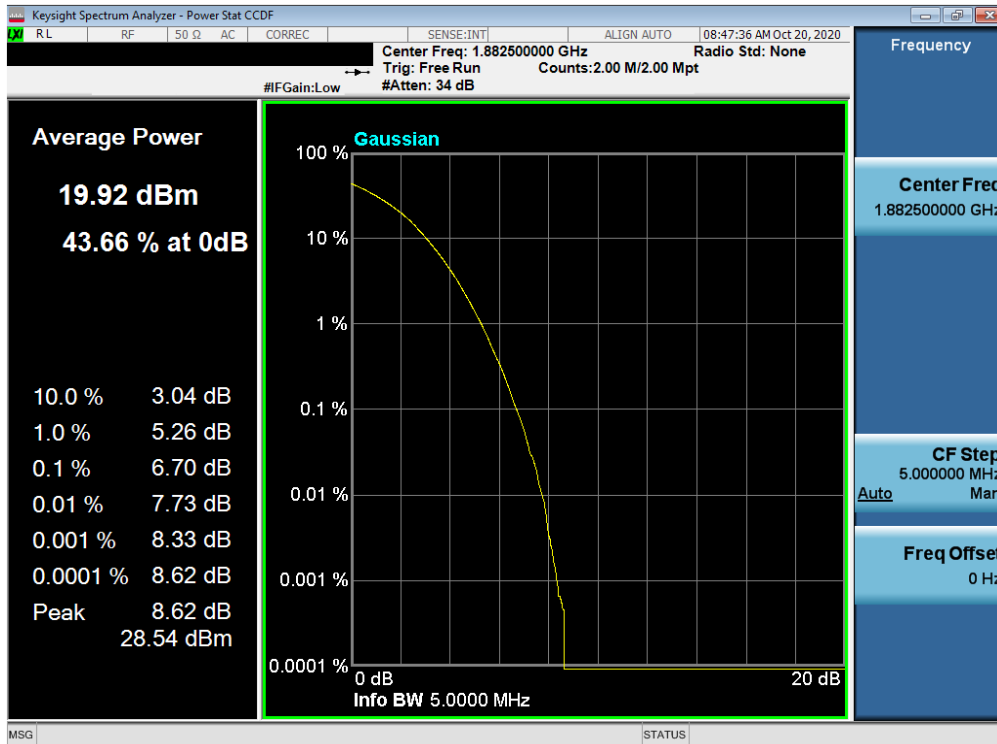


Plot 7-266. PAR Plot (LTE Band 25/2 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Product to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 157 of 234

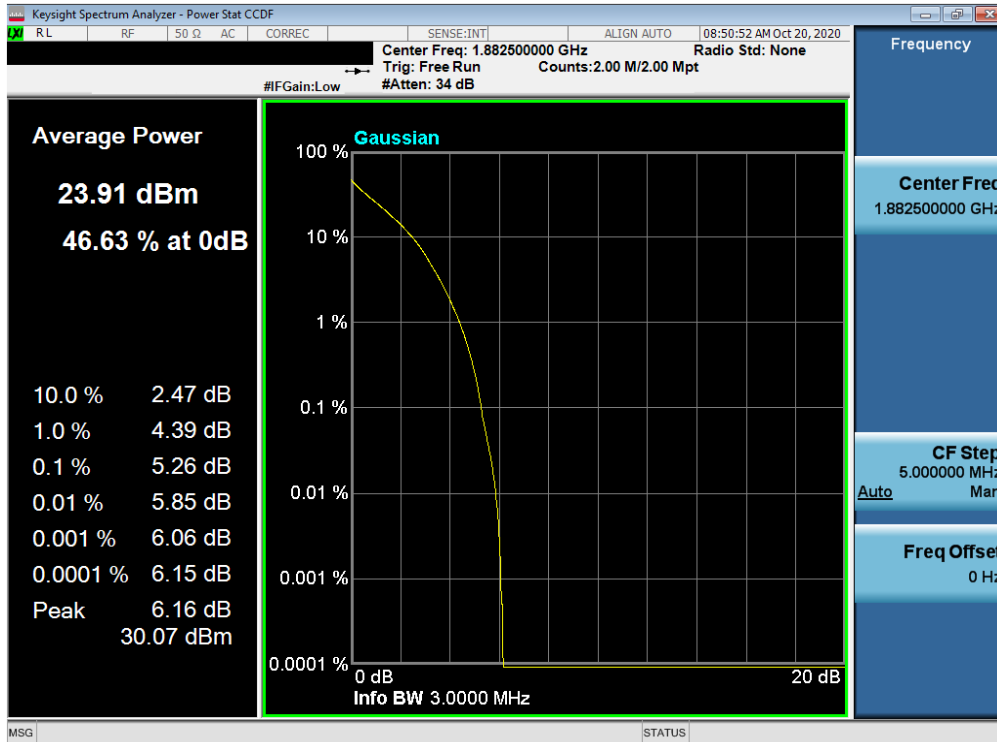


Plot 7-267. PAR Plot (LTE Band 25/2 - 5MHz 64-QAM - Full RB Configuration)

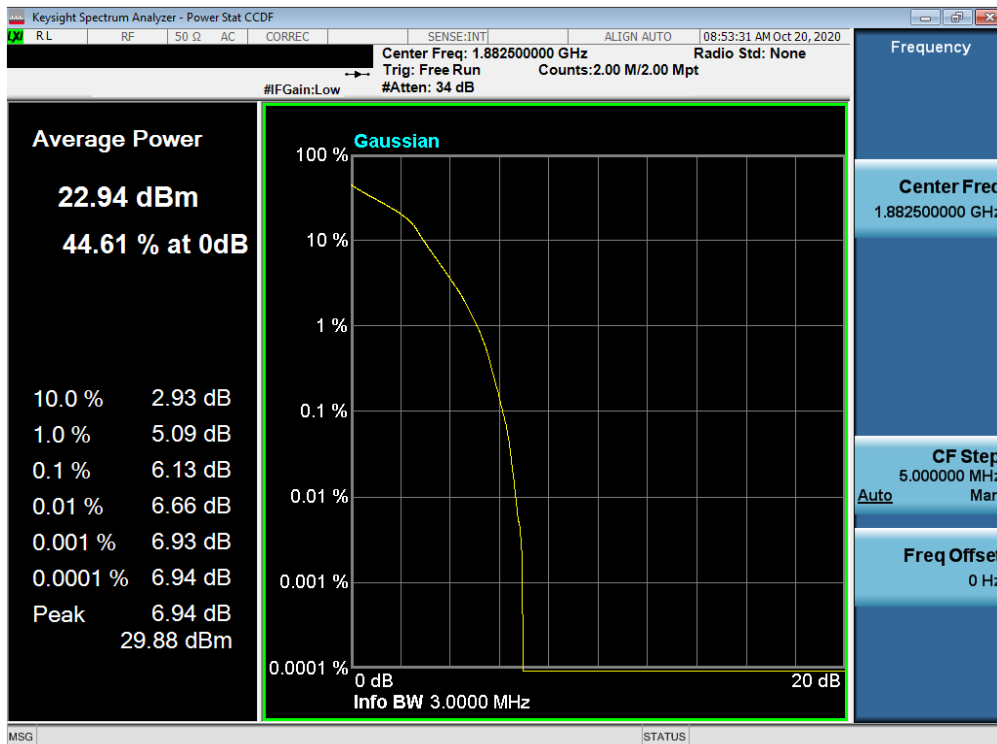


Plot 7-268. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Product to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 158 of 234

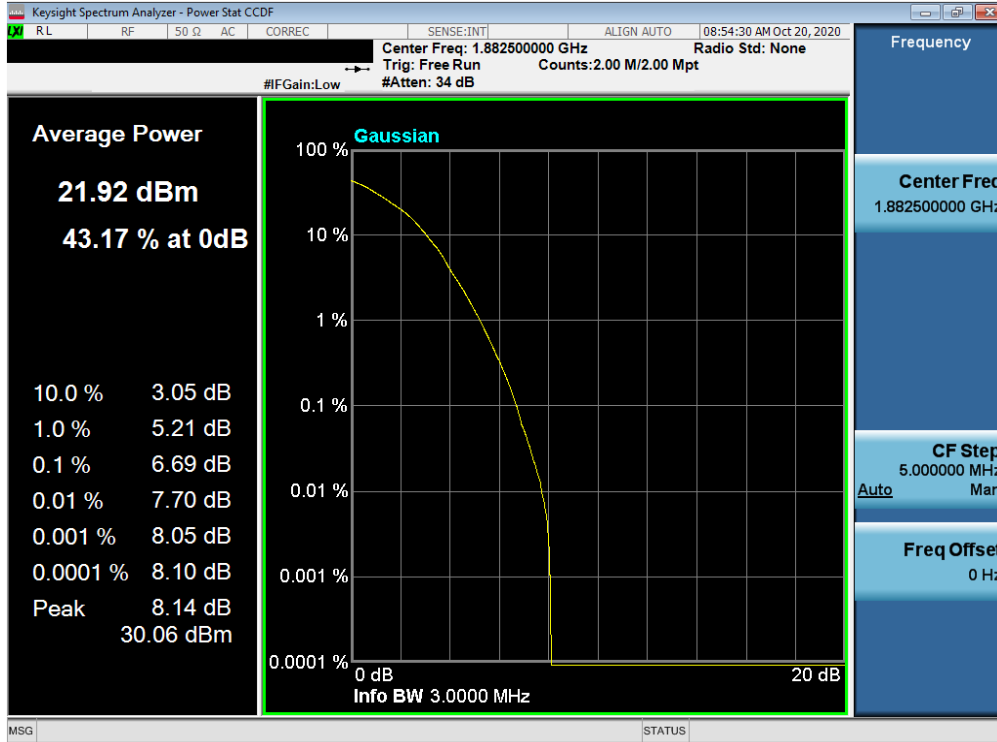


Plot 7-269. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB Configuration)

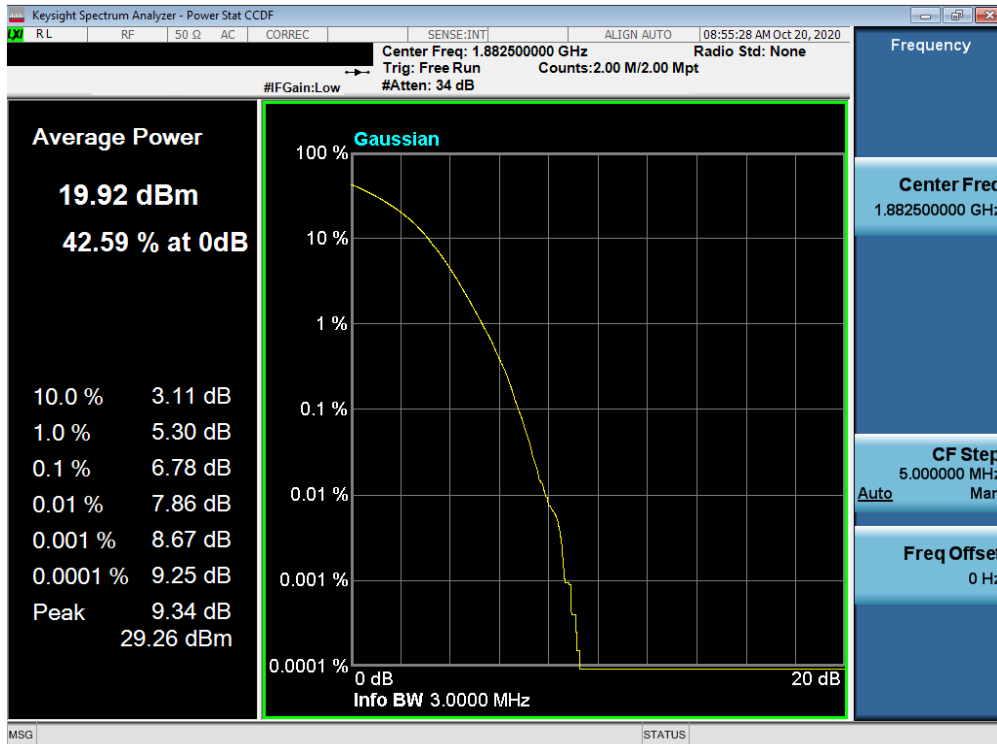


Plot 7-270. PAR Plot (LTE Band 25/2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 159 of 234

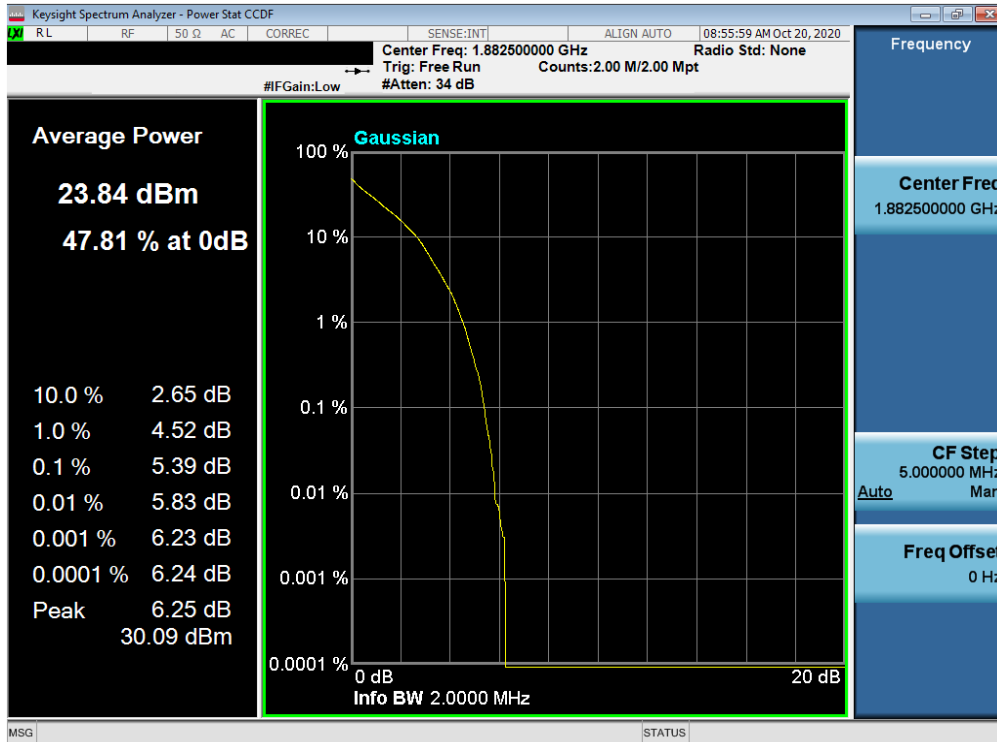


Plot 7-271. PAR Plot (LTE Band 25/2 - 3MHz 64-QAM - Full RB Configuration)

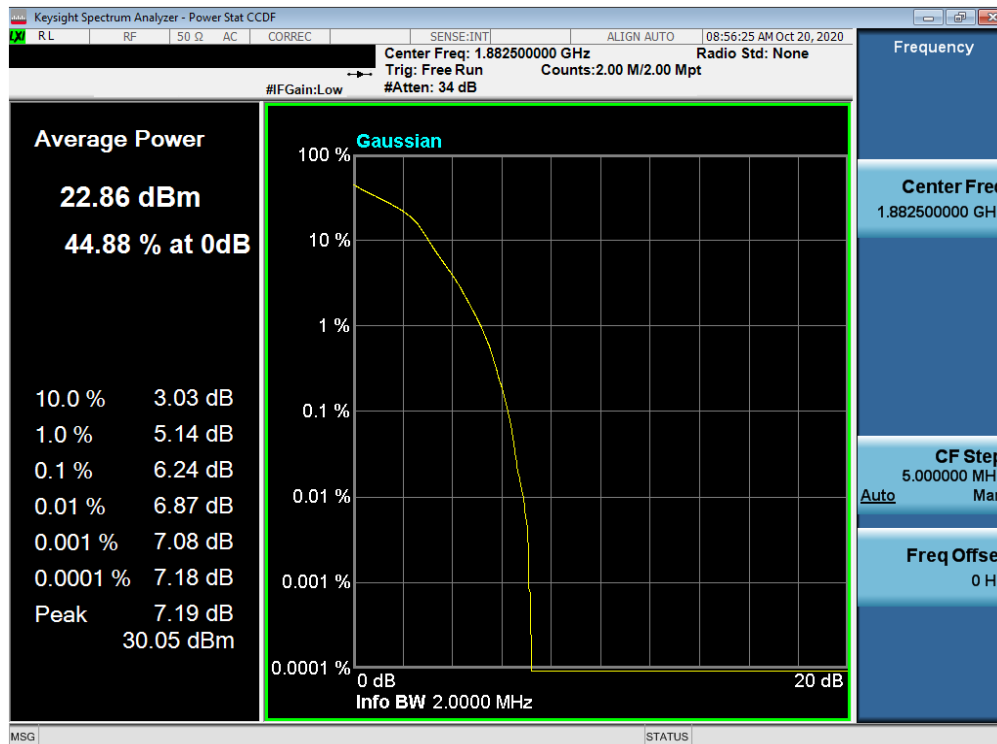


Plot 7-272. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 160 of 234

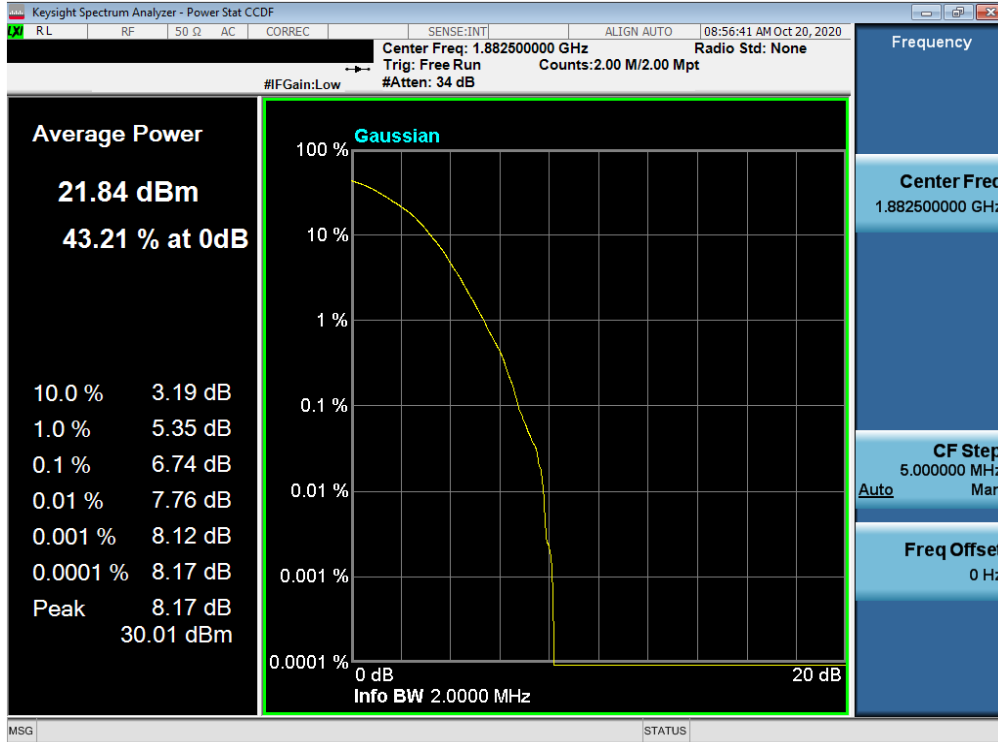


Plot 7-273. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

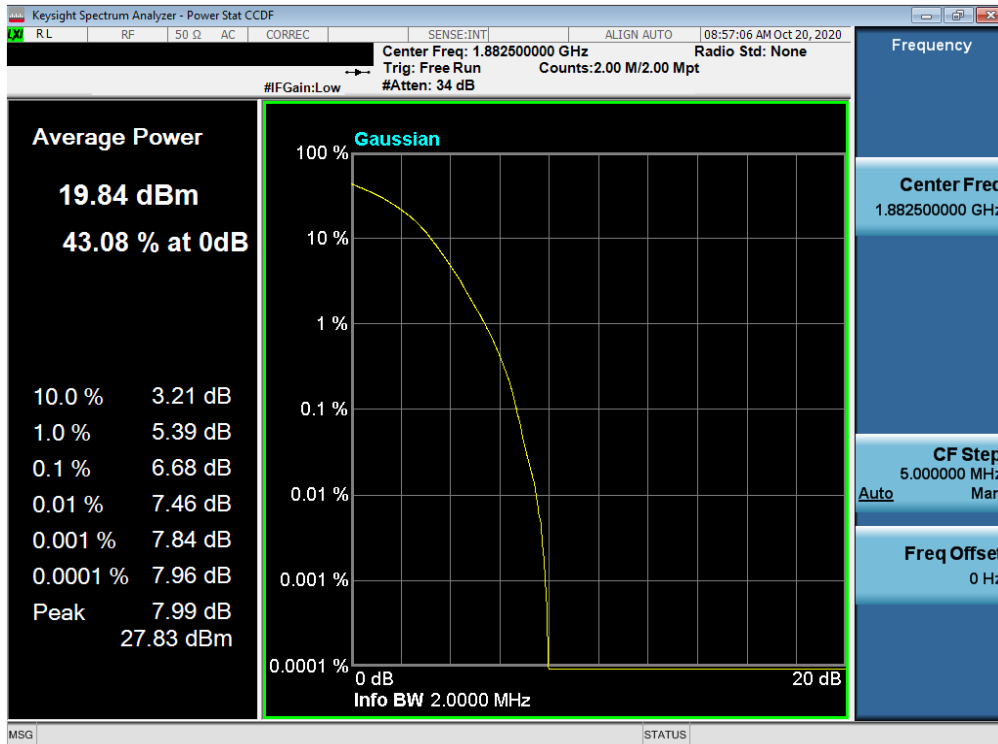


Plot 7-274. PAR Plot (LTE Band 25/2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	Product to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 161 of 234



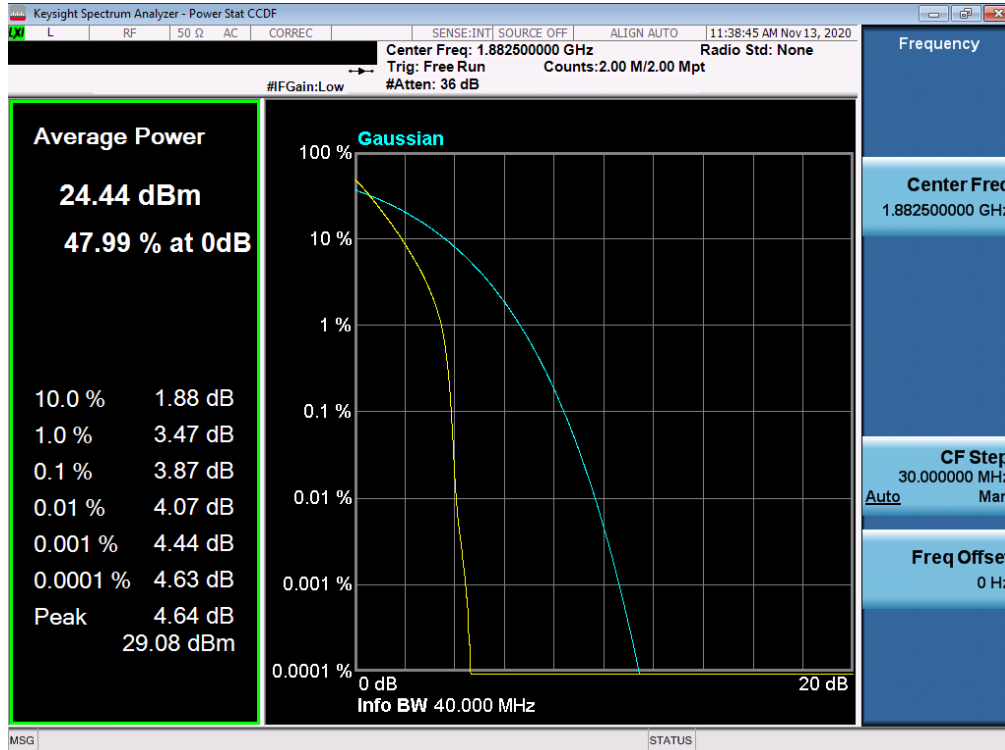
Plot 7-275. PAR Plot (LTE Band 25/2 - 1.4MHz 64-QAM - Full RB Configuration)



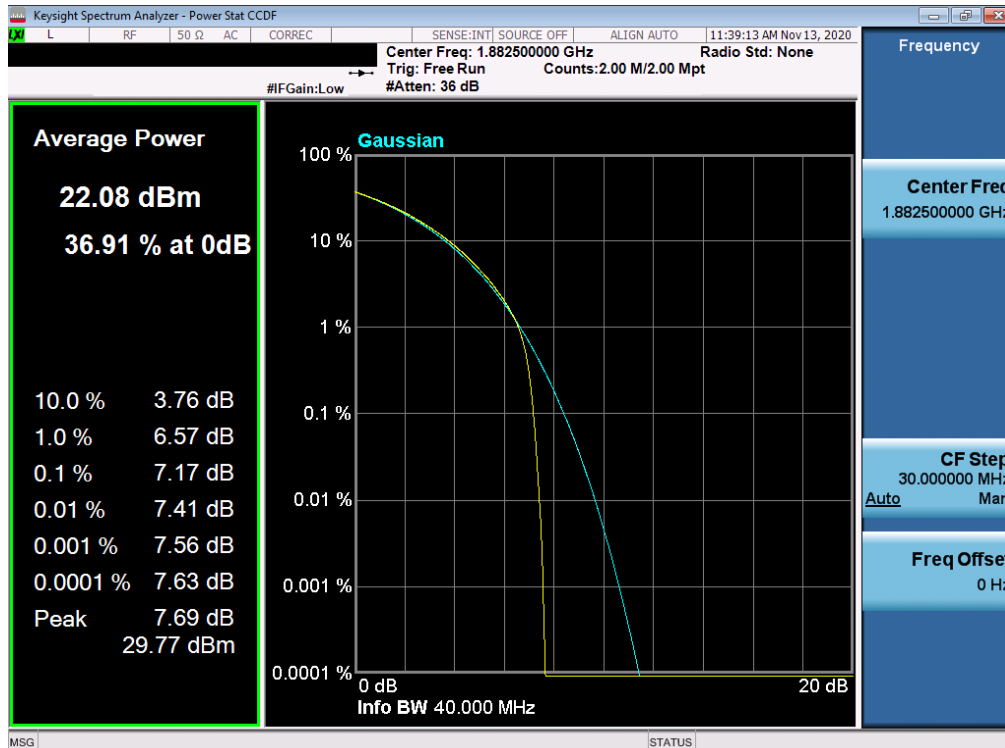
Plot 7-276. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 162 of 234

NR Band n25 Ant A

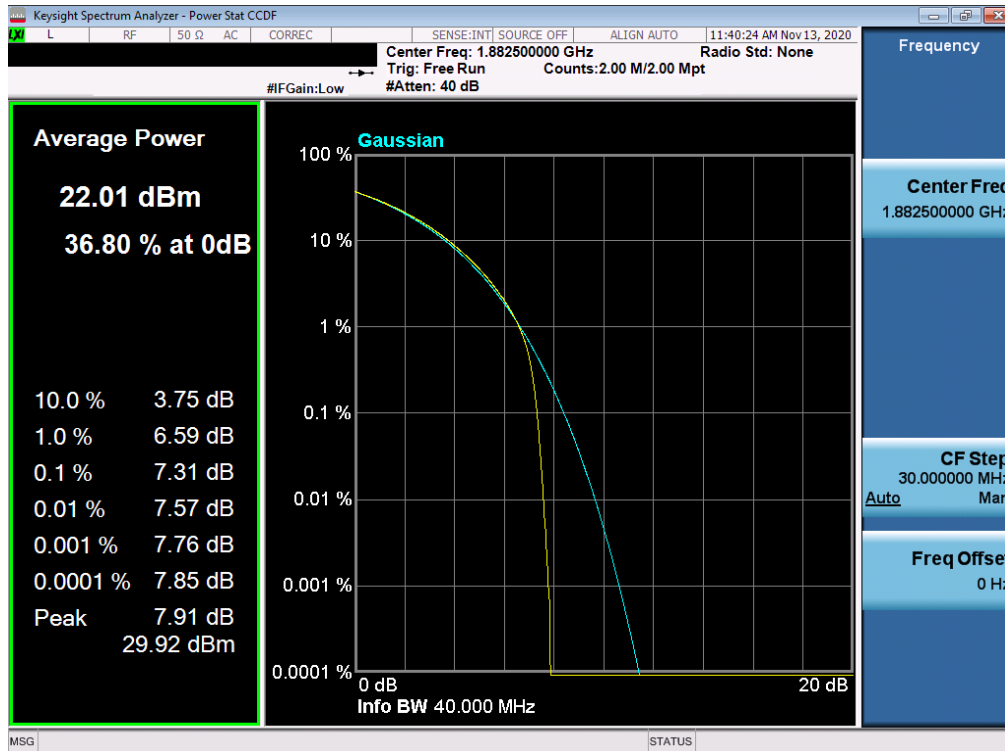


Plot 7-277. PAR Plot (NR Band n25 Ant A - 40.0MHz DFT-s-OFDM BPSK - Full RB)

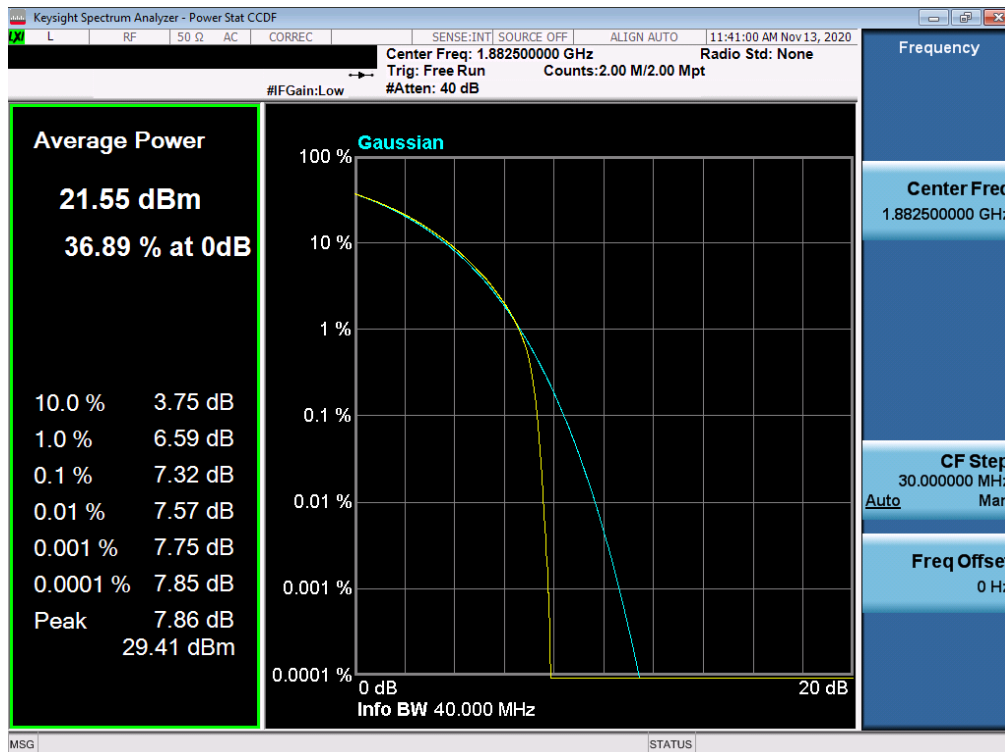


Plot 7-278. PAR Plot (NR Band n25 Ant A - 40.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 163 of 234

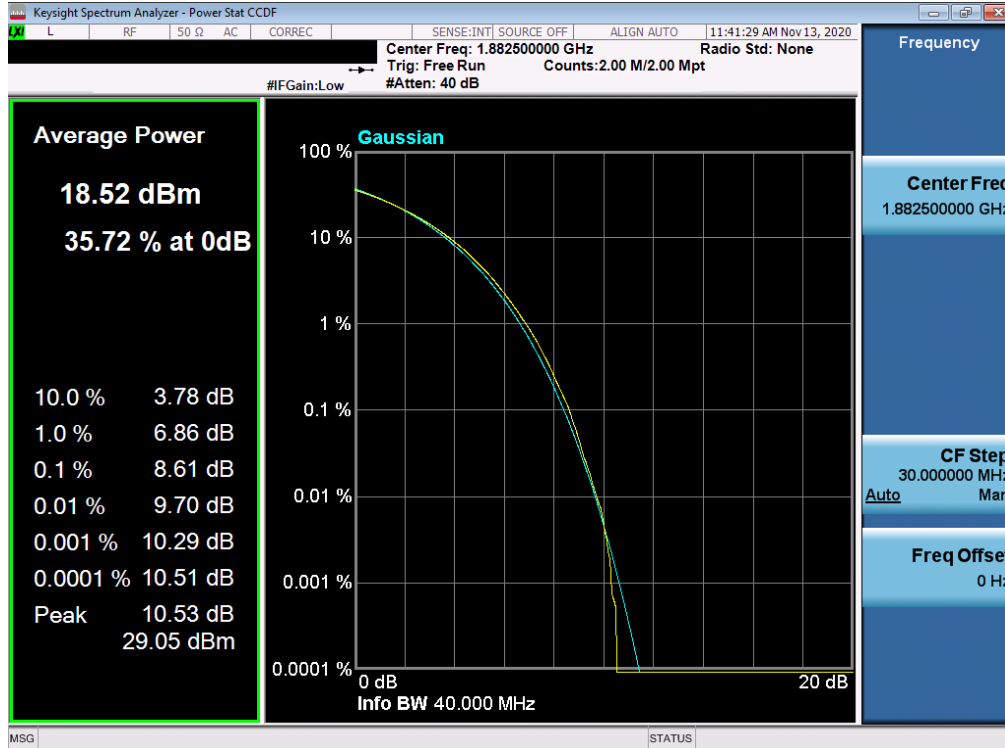


Plot 7-279. PAR Plot (NR Band n25 Ant A - 40.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

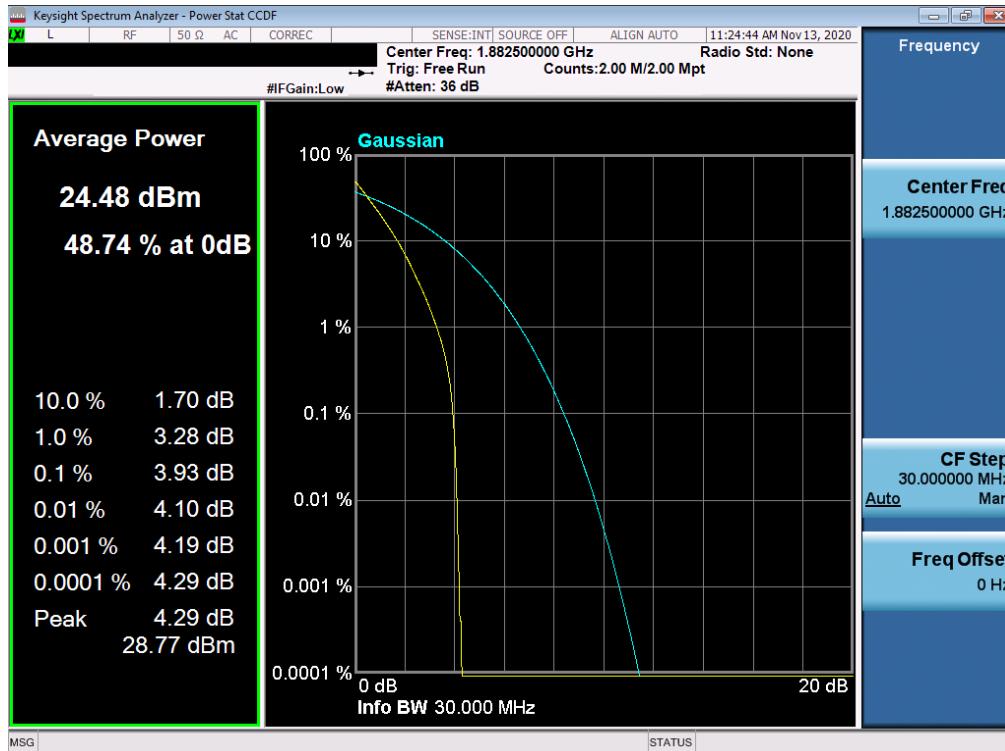


Plot 7-280. PAR Plot (NR Band n25 Ant A - 40.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 164 of 234

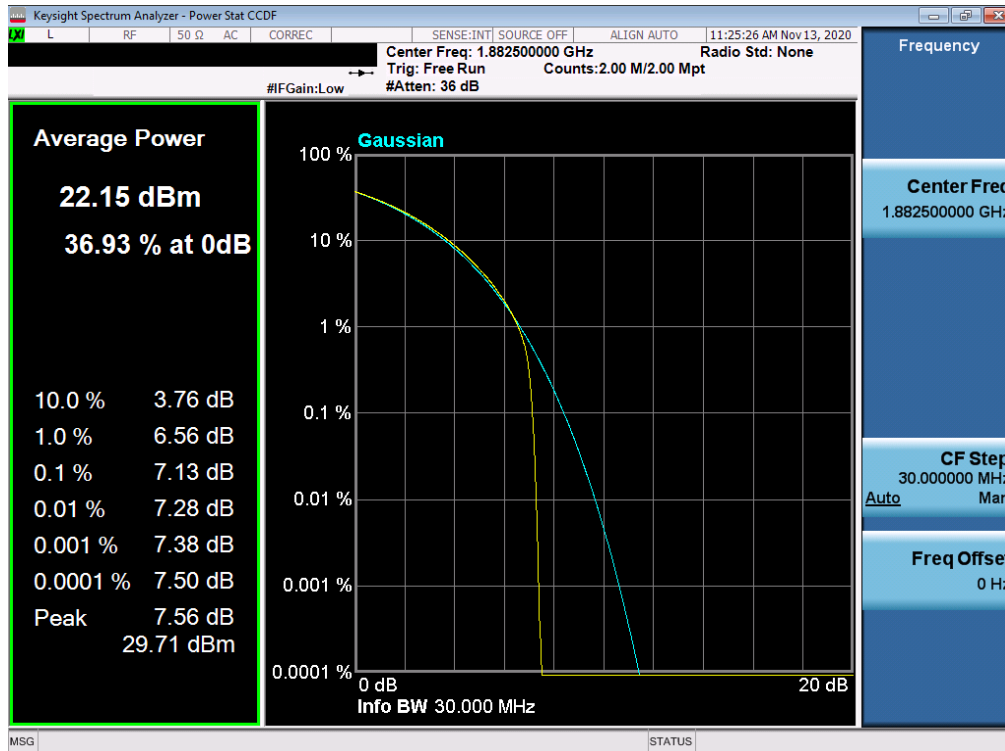


Plot 7-281. PAR Plot (NR Band n25 Ant A - 40.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

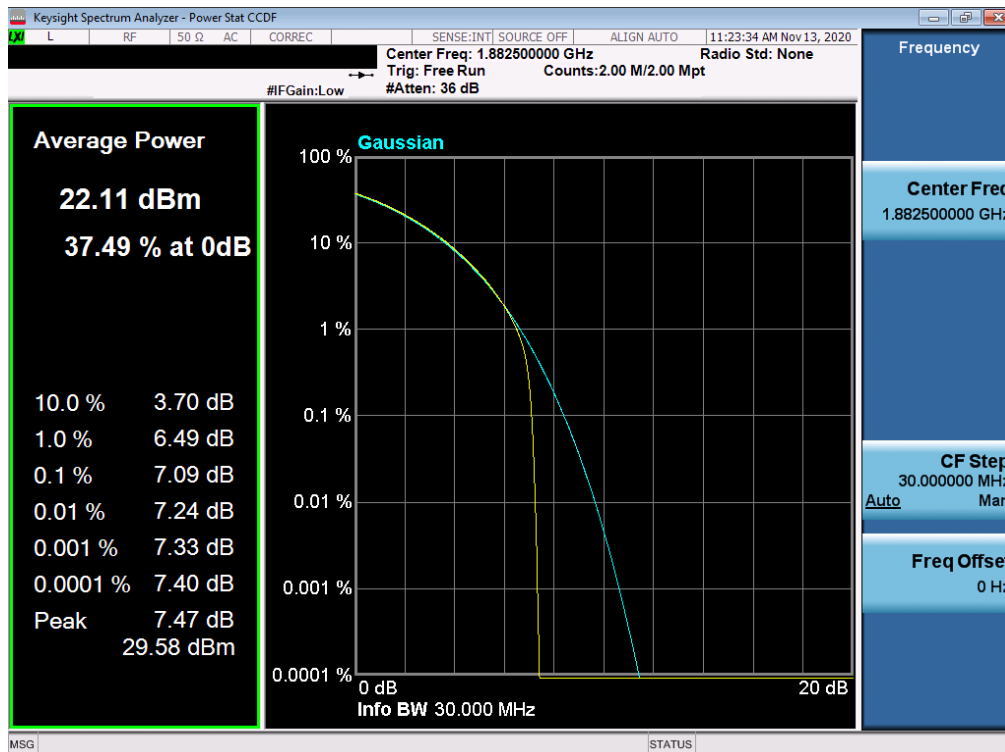


Plot 7-282. PAR Plot (NR Band n25 Ant A - 30.0MHz DFT-s-OFDM BPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 165 of 234

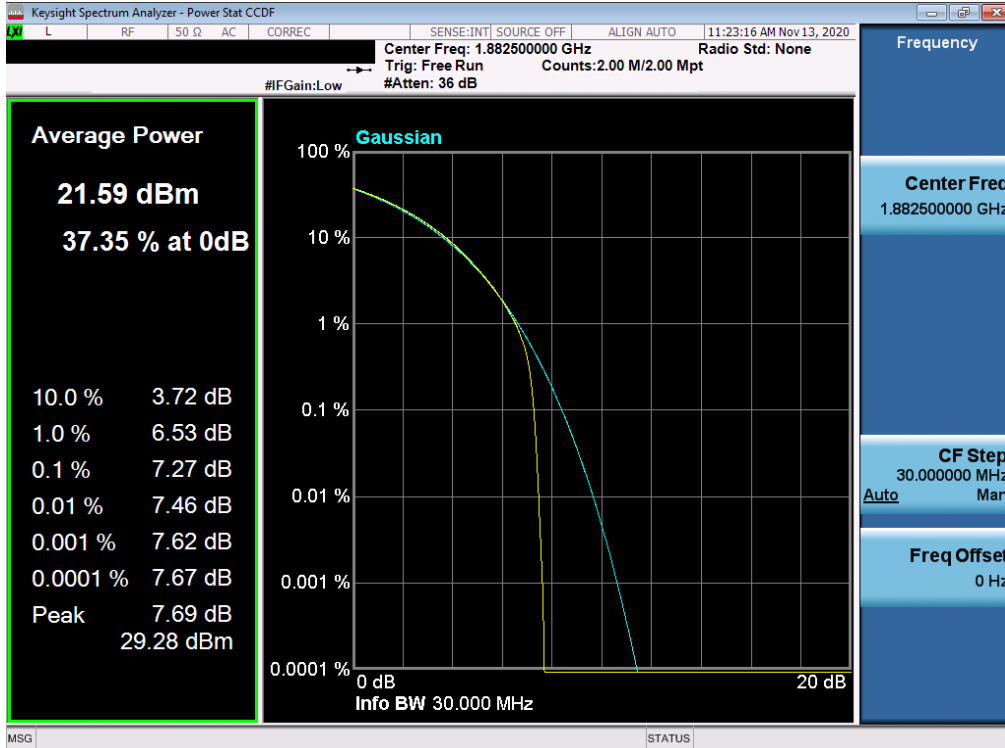


Plot 7-283. PAR Plot (NR Band n25 Ant A - 30.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

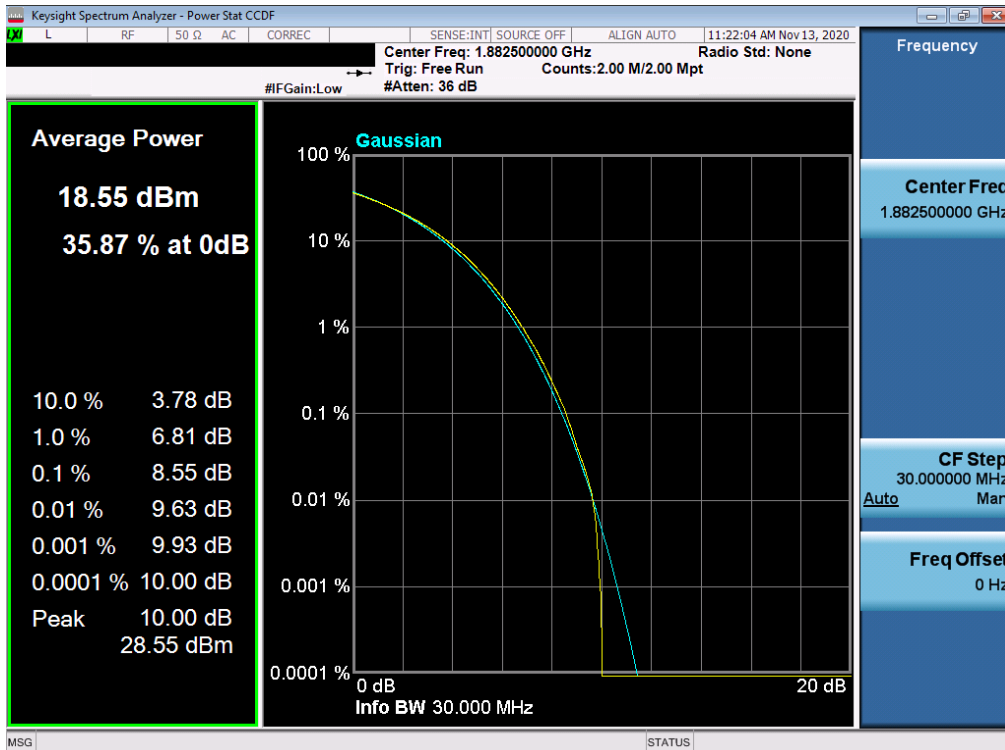


Plot 7-284. PAR Plot (NR Band n25 Ant A - 30.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 166 of 234

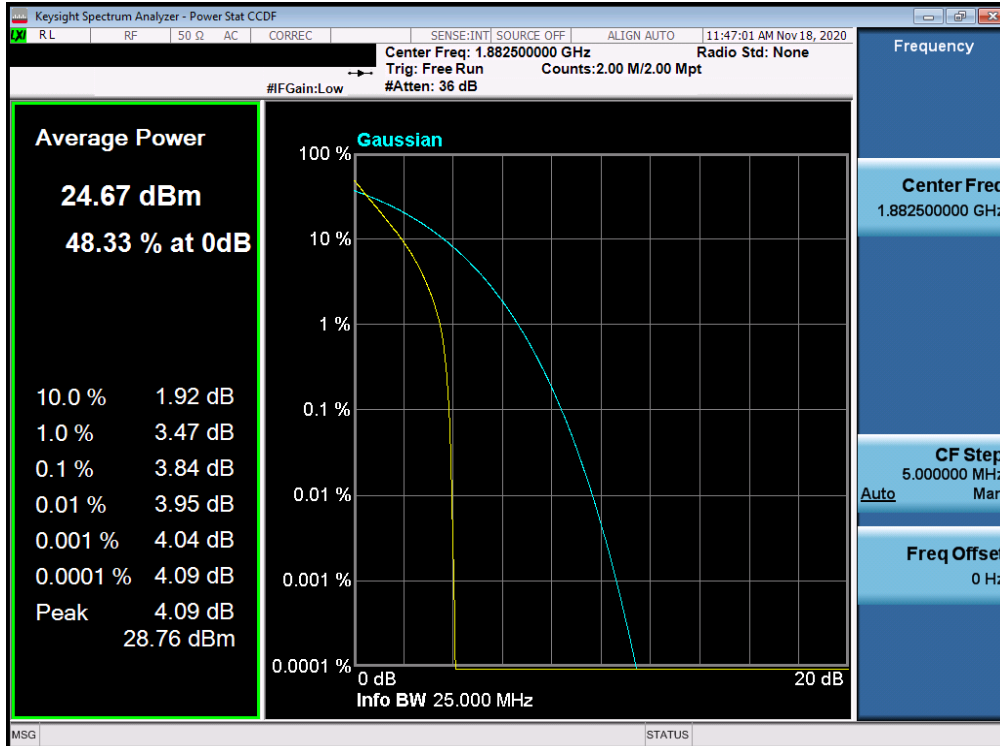


Plot 7-285. PAR Plot (NR Band n25 Ant A - 30.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

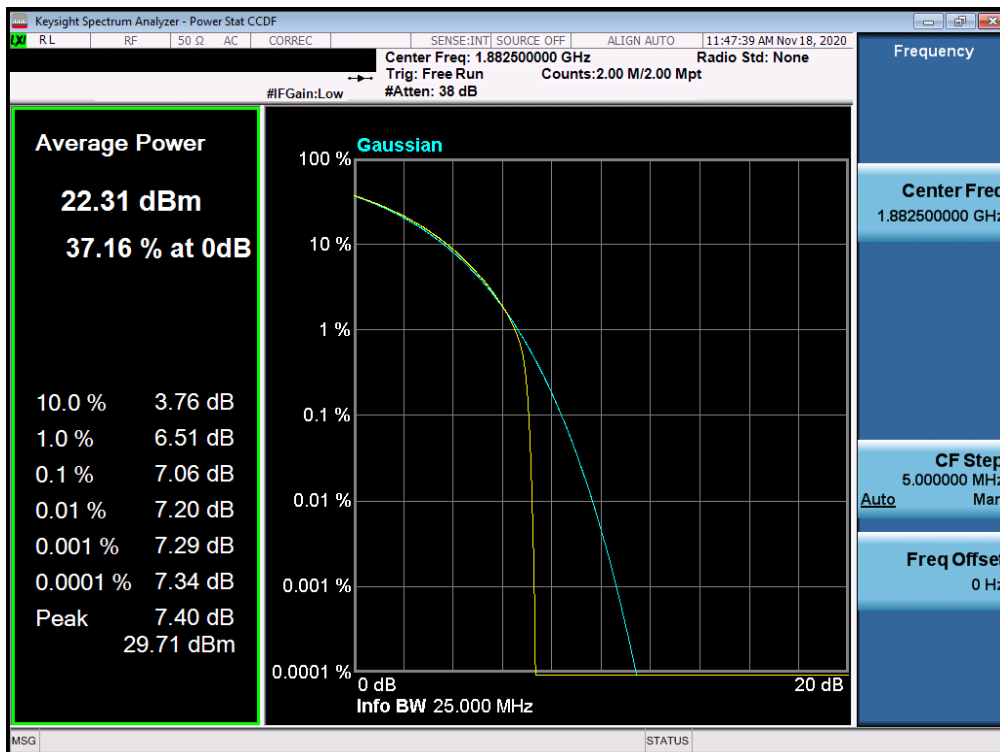


Plot 7-286. PAR Plot (NR Band n25 Ant A - 30.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 167 of 234

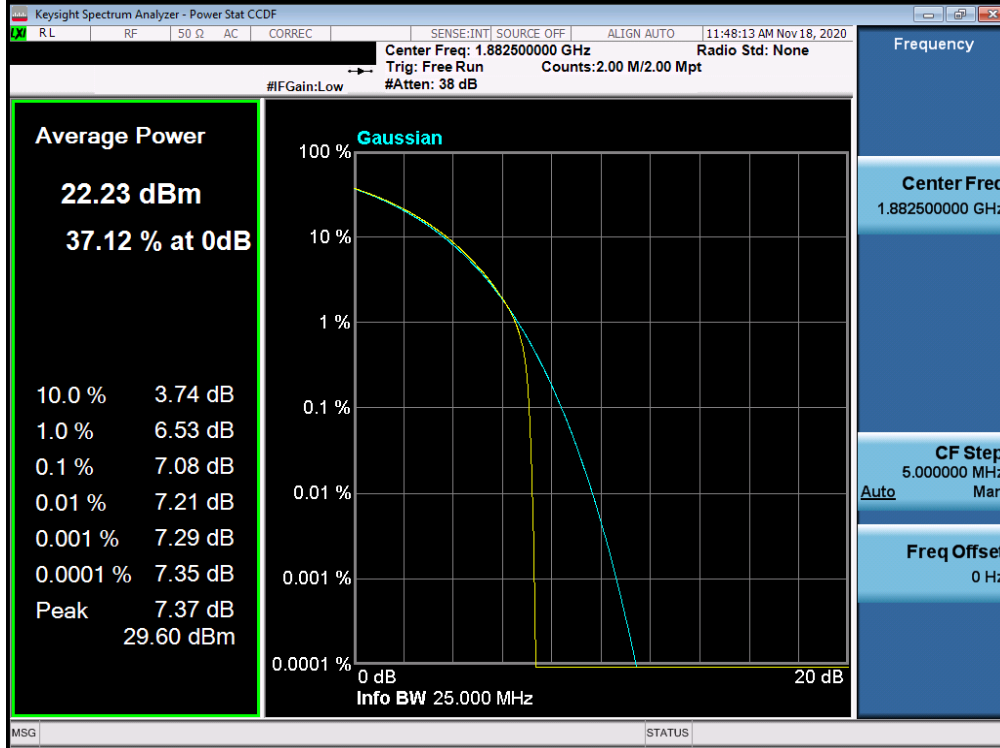


Plot 7-287. PAR Plot (NR Band n25 Ant A - 25.0MHz DFT-s-OFDM BPSK - Full RB)

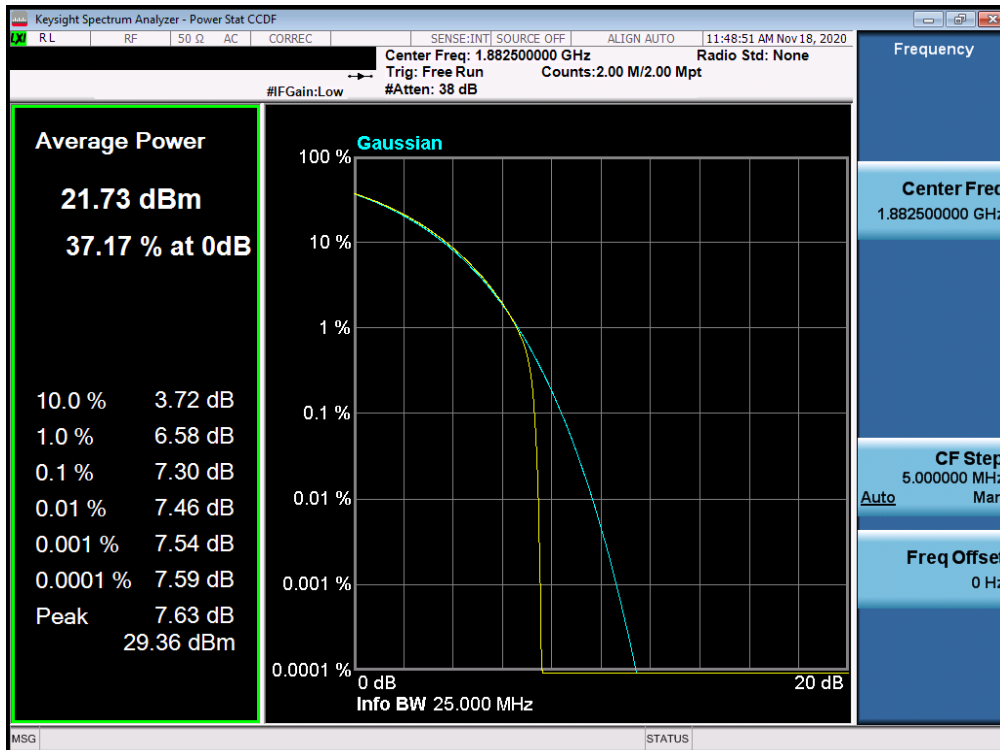


Plot 7-288. PAR Plot (NR Band n25 Ant A - 25.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)



FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 168 of 234

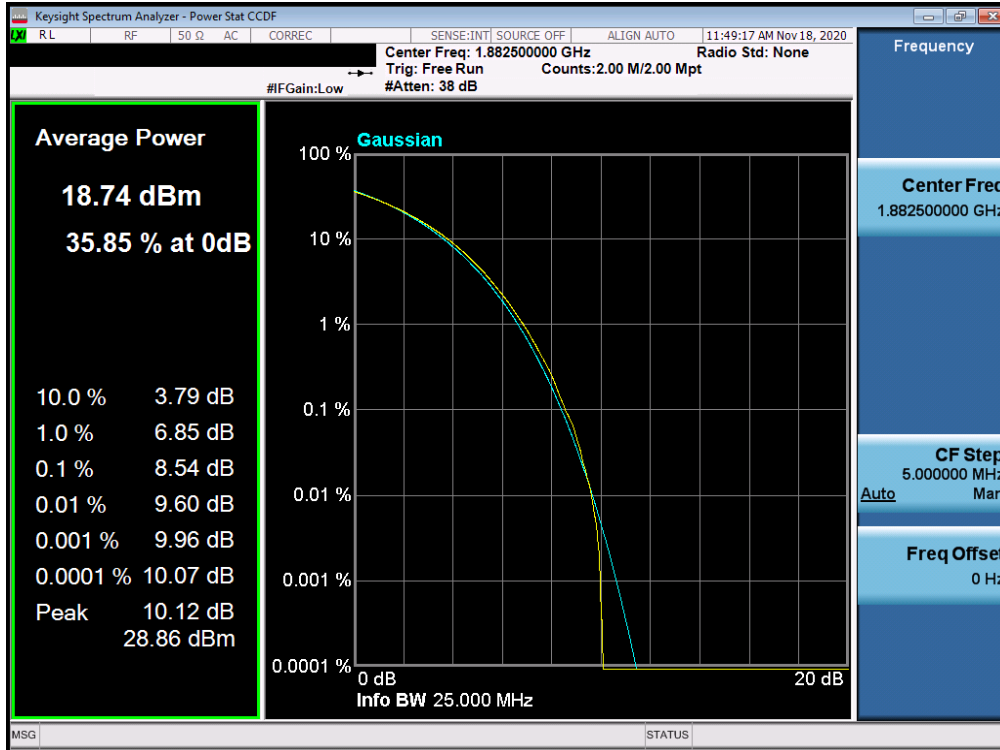


Plot 7-289. PAR Plot (NR Band n25 Ant A - 25.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)






Plot 7-290. PAR Plot (NR Band n25 Ant A - 25.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

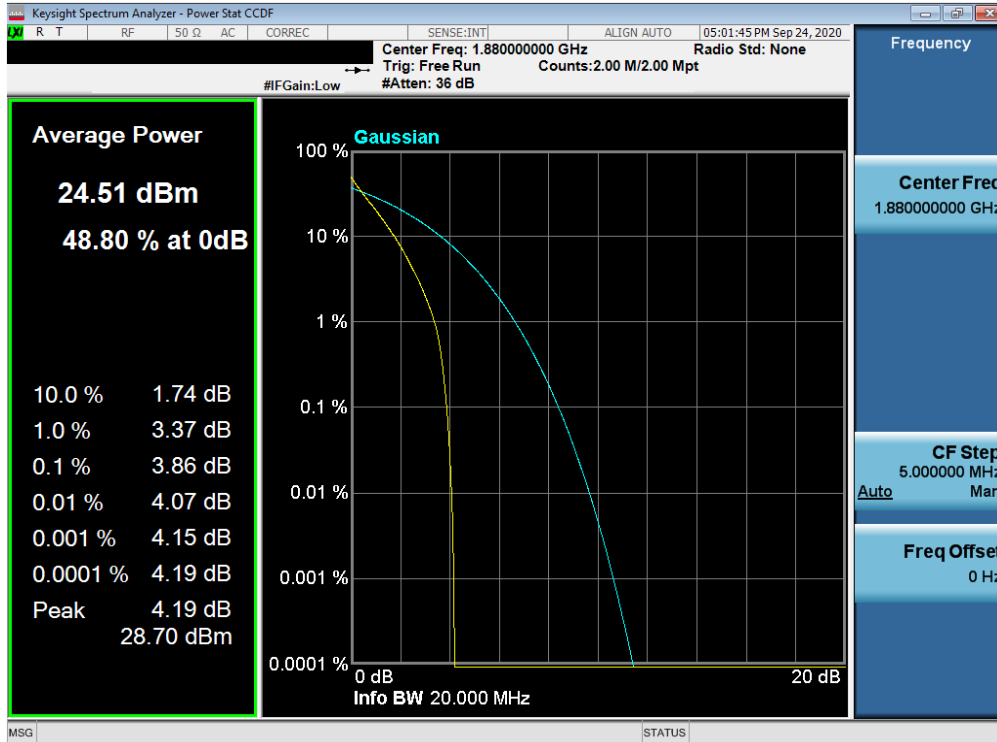
FCC ID: A3LSMG996U	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset	Page 169 of 234



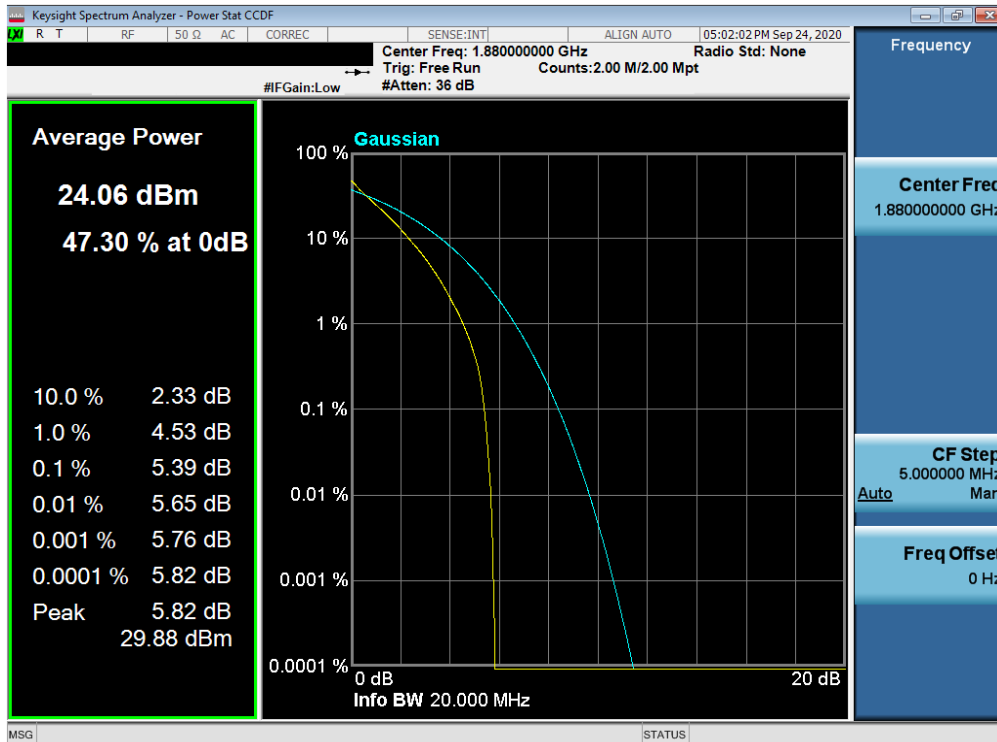
Plot 7-291. PAR Plot (NR Band n25 Ant A - 25.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

FCC ID: A3LSMG996U	 PCTEST Proud to be part of 	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 170 of 234

NR Band n2/n25 Ant A

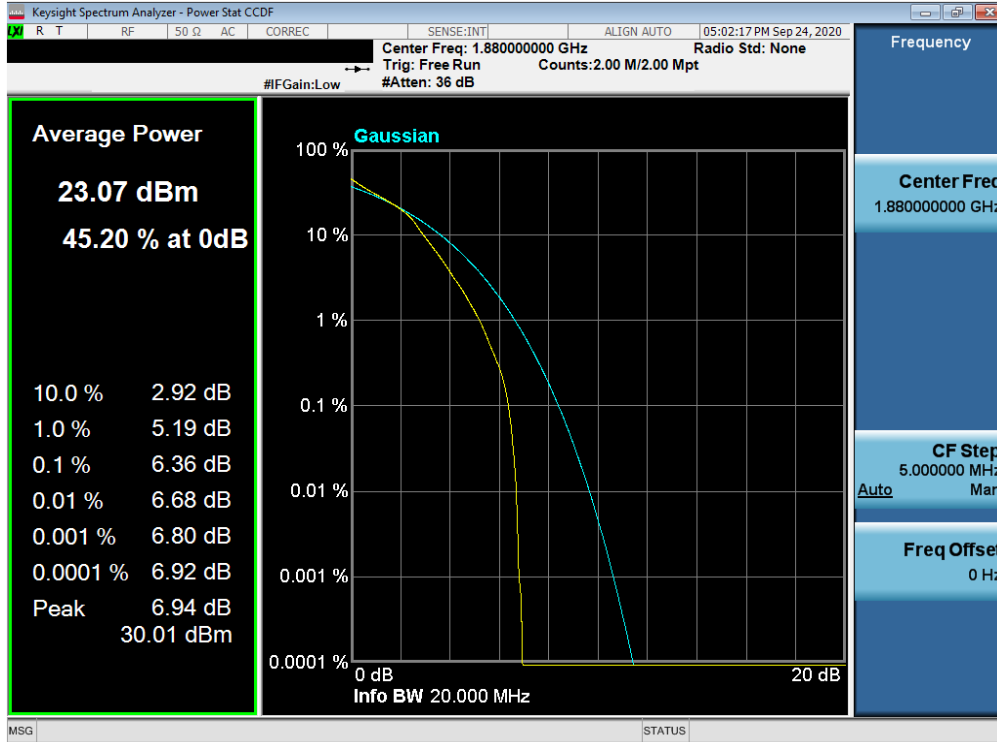


Plot 7-292. PAR Plot (NR Band n2 Ant A - 20.0MHz DFT-s-OFDM BPSK - Full RB)

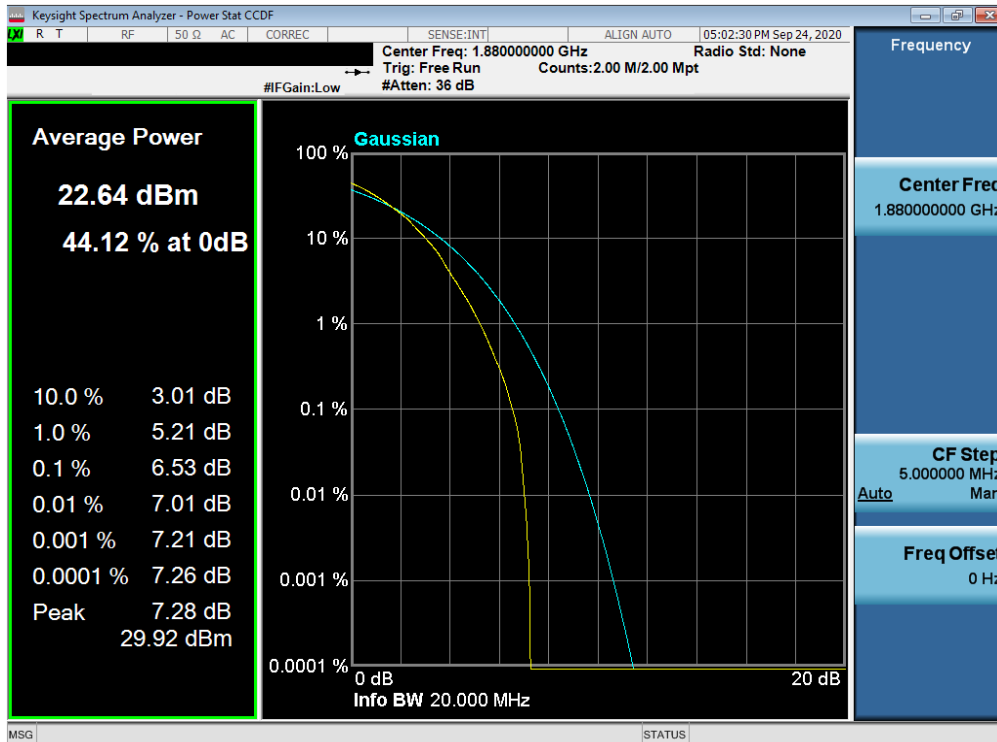


Plot 7-293. PAR Plot (NR Band n2 Ant A - 20.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 171 of 234

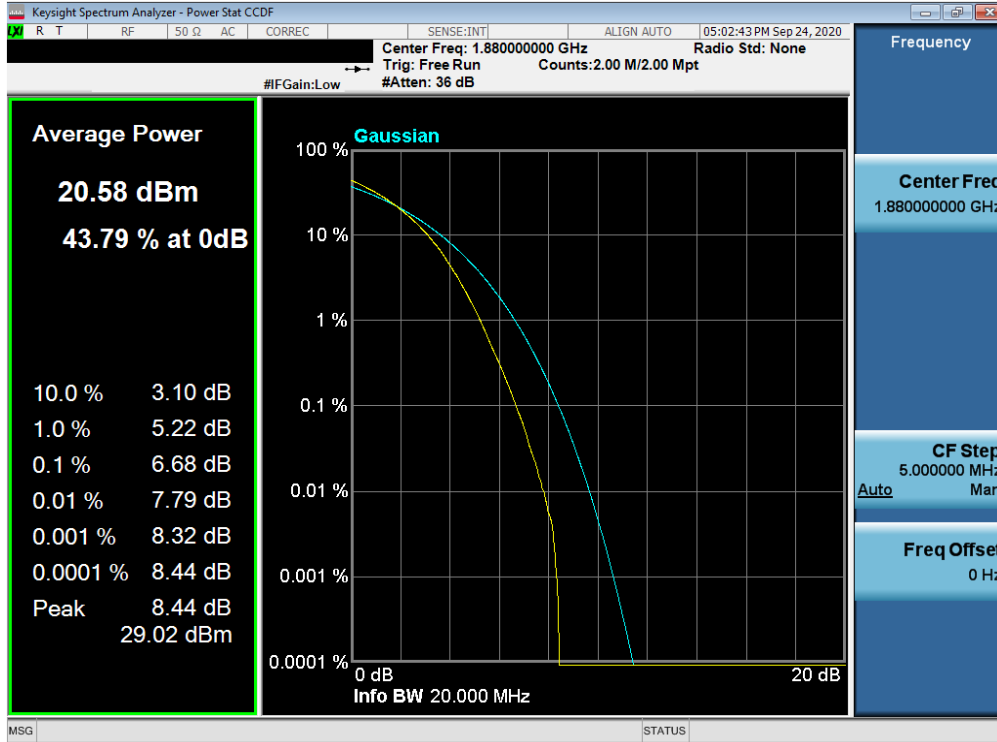


Plot 7-294. PAR Plot (NR Band n2 Ant A - 20.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

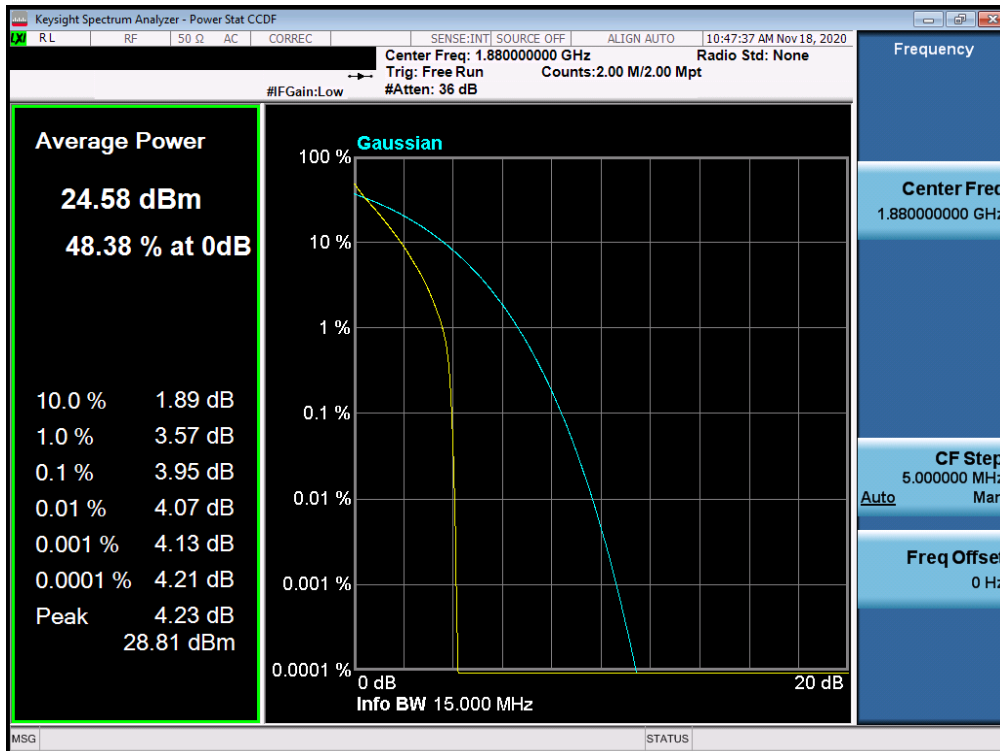


Plot 7-295. PAR Plot (NR Band n2 Ant A - 20.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Product to be part of Samsung	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 172 of 234

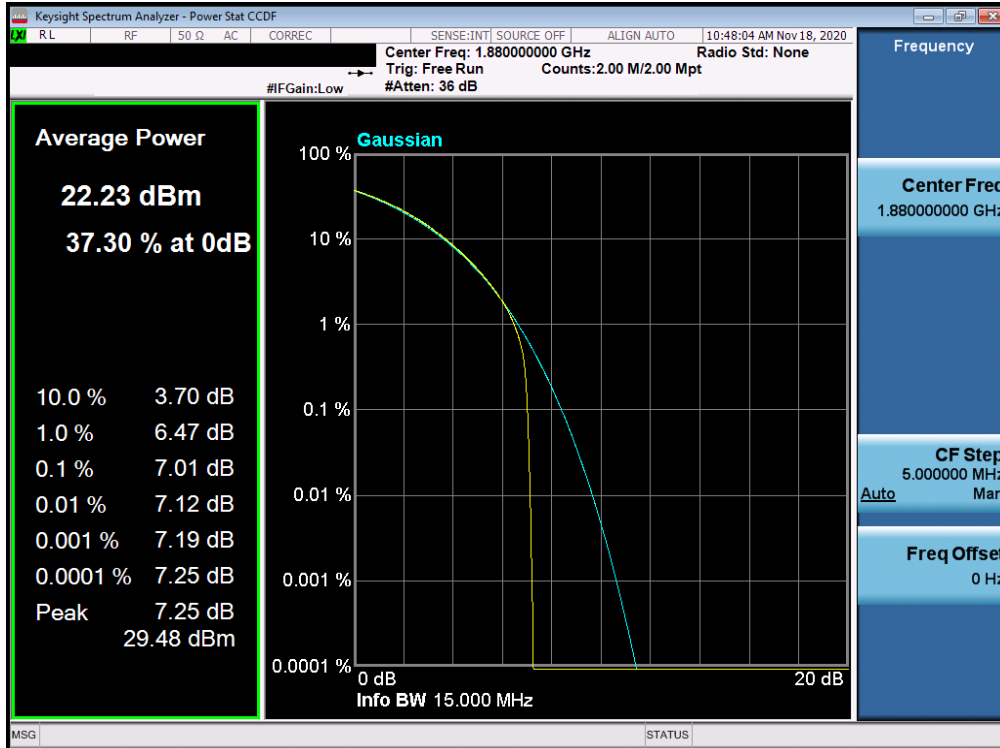


Plot 7-296. PAR Plot (NR Band n2 Ant A - 20.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

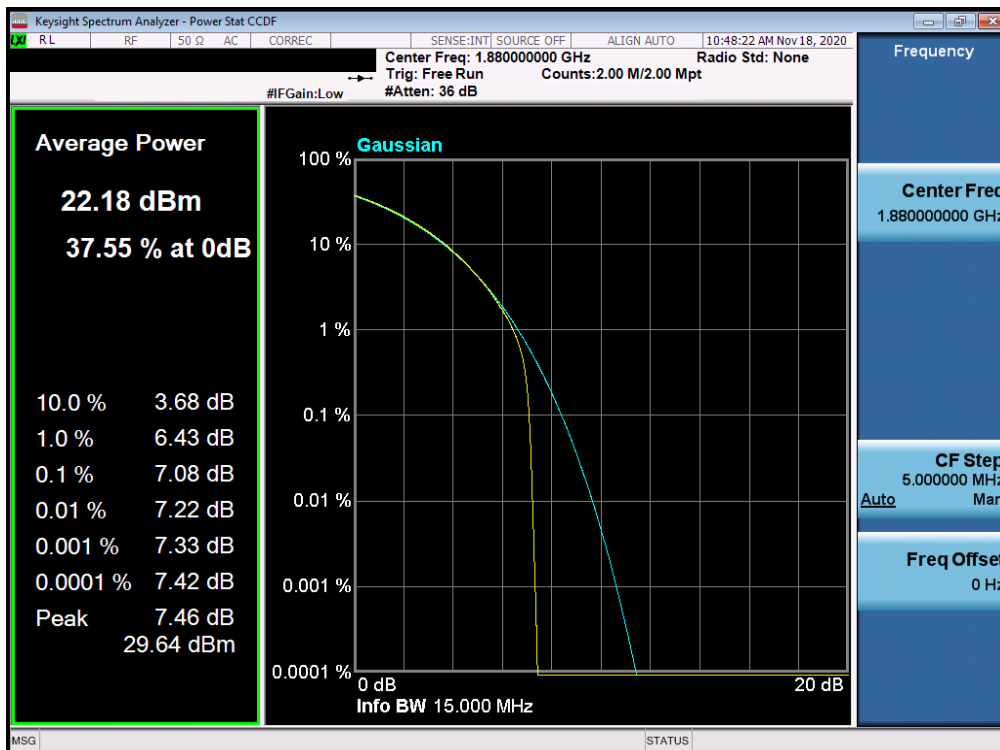


Plot 7-297. PAR Plot (NR Band n2 Ant A - 15.0MHz DFT-s-OFDM BPSK - Full RB)




FCC ID: A3LSMG996U	PCTEST Product to be part of Samsung	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 173 of 234

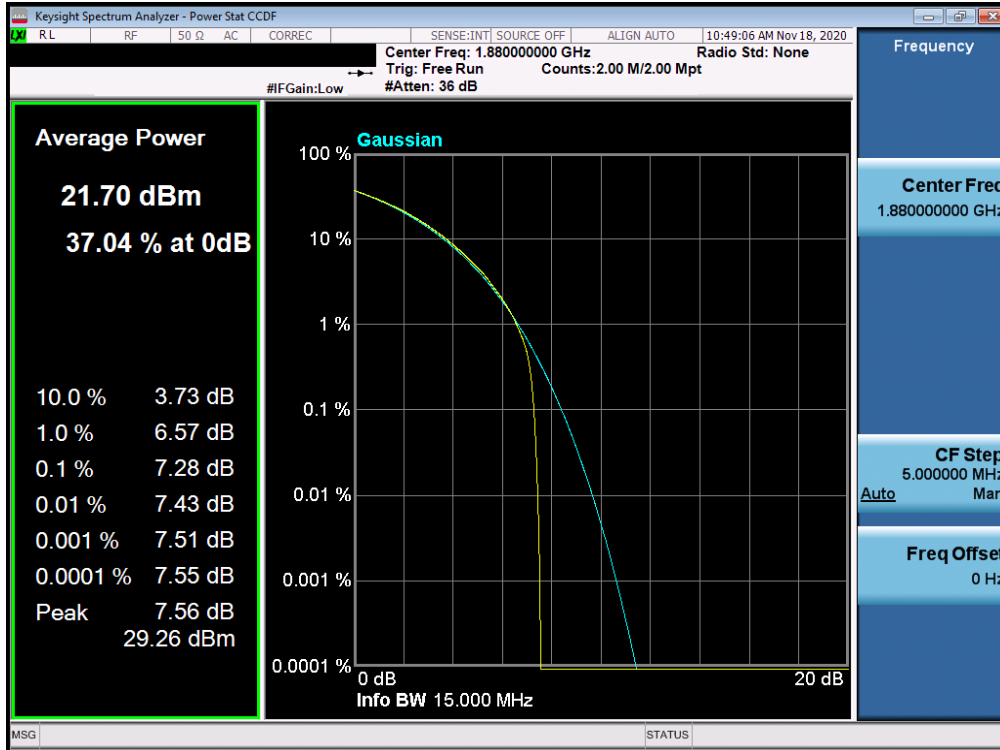


Plot 7-298. PAR Plot (NR Band n2 Ant A - 15.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

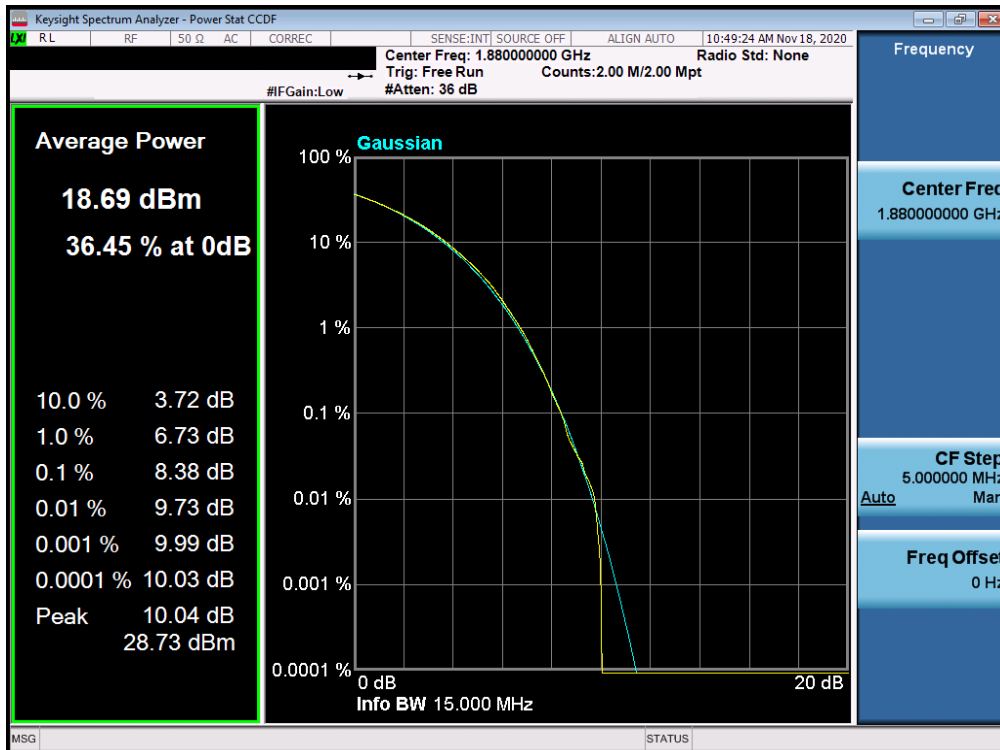


Plot 7-299. PAR Plot (NR Band n2 Ant A - 15.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)




FCC ID: A3LSMG996U	 PCTEST Proud to be part of 	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 174 of 234

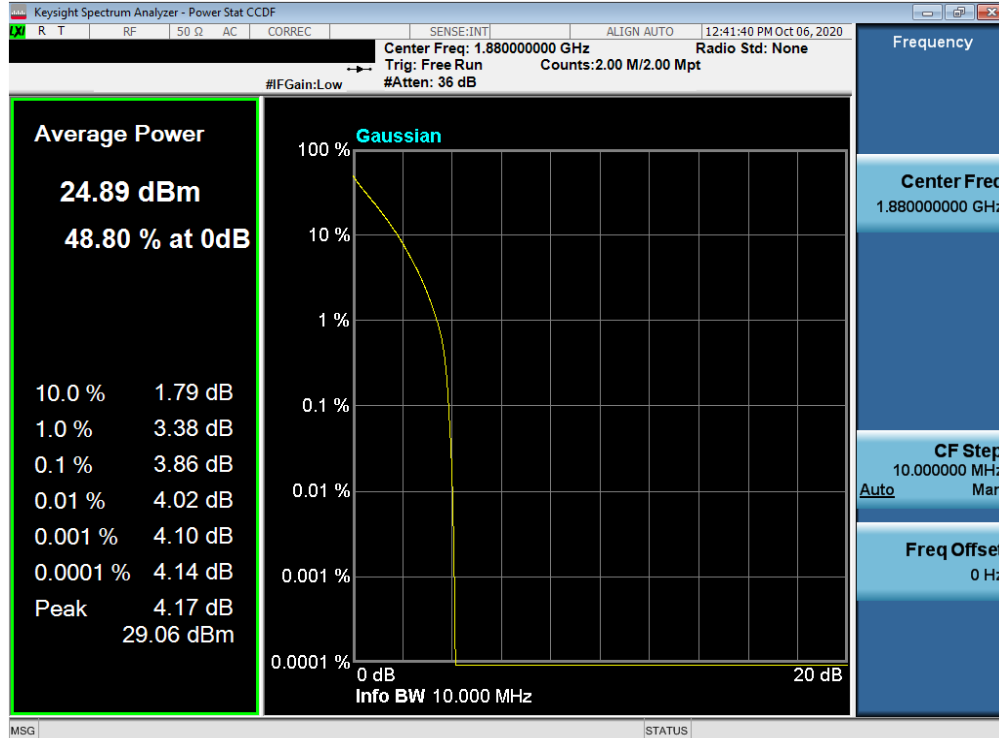


Plot 7-300. PAR Plot (NR Band n2 Ant A - 15.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

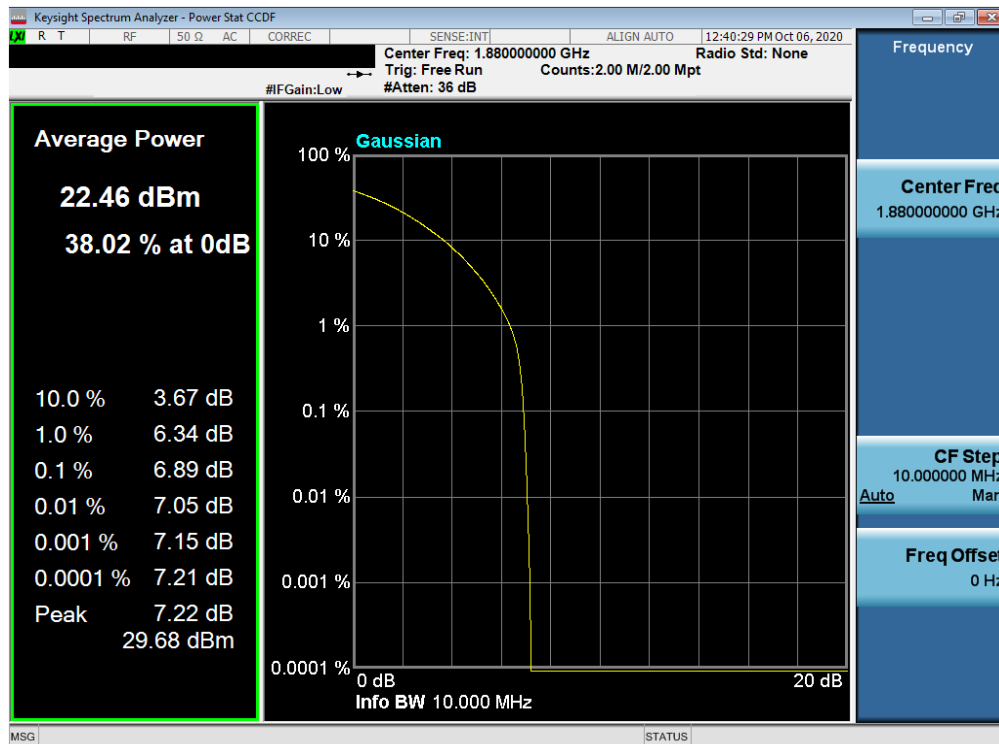


Plot 7-301. PAR Plot (NR Band n2 Ant A - 15.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)



FCC ID: A3LSMG996U	 PCTEST Proud to be part of 	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 175 of 234

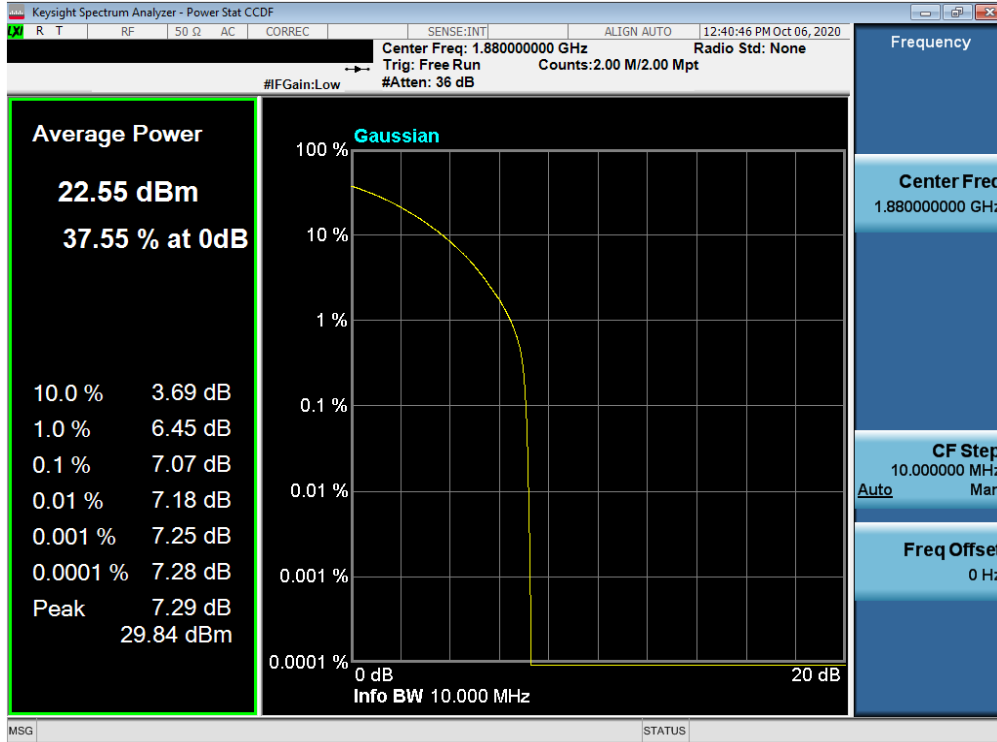


Plot 7-302. PAR Plot (NR Band n2 Ant A - 10.0MHz DFT-s-OFDM BPSK - Full RB)

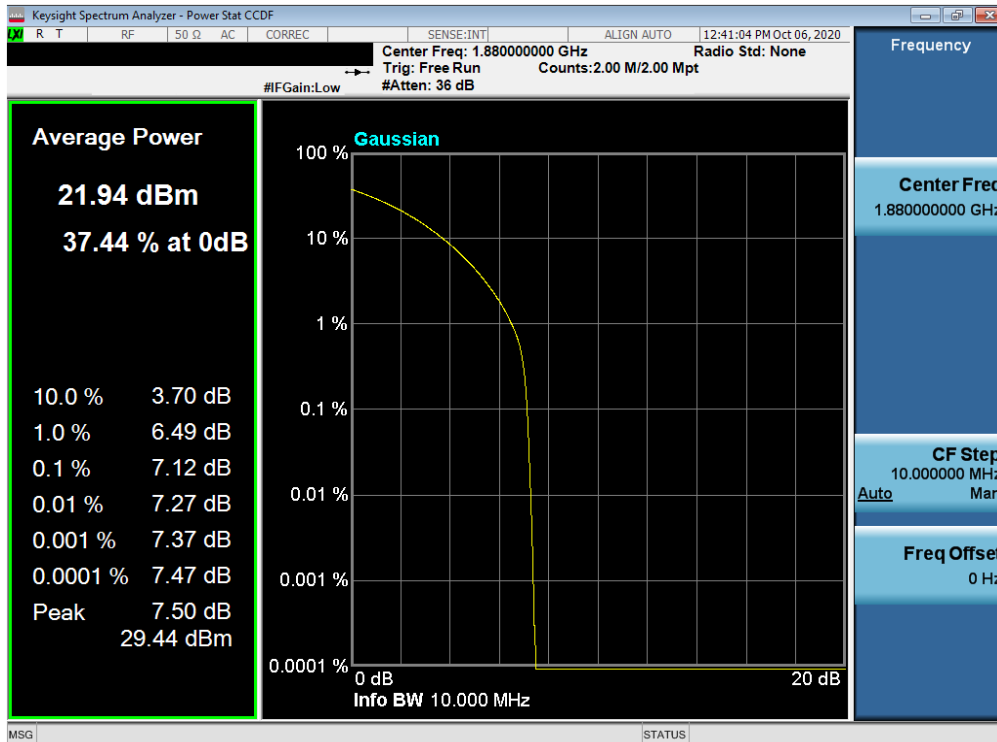


Plot 7-303. PAR Plot (NR Band n2 Ant A - 10.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

FCC ID: A3LSMG996U	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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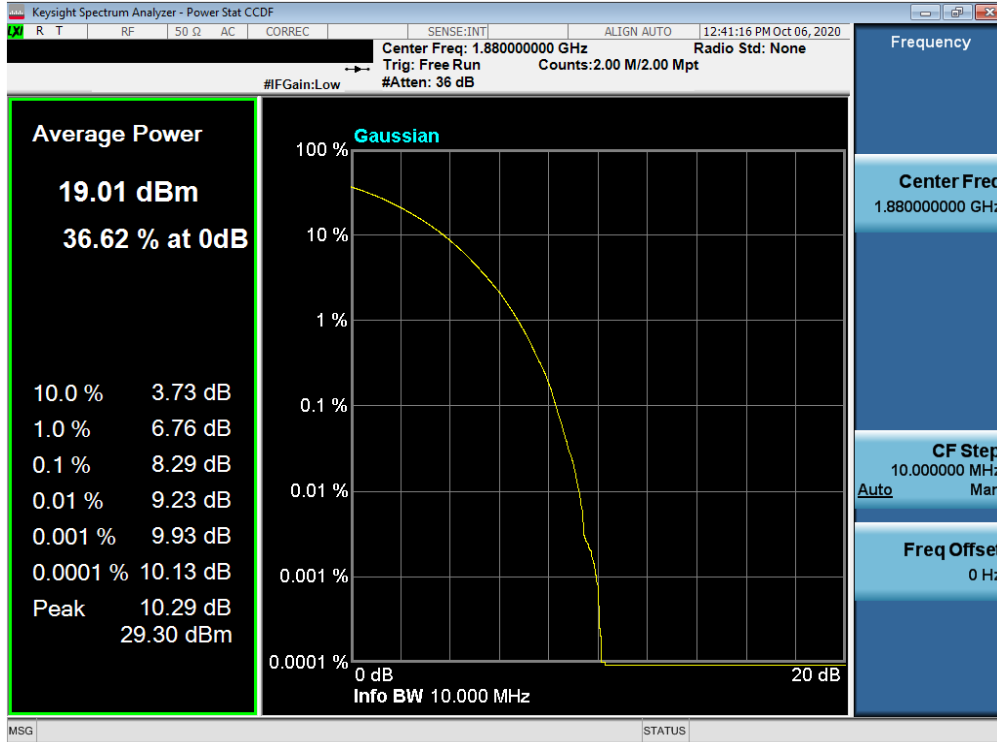


Plot 7-304. PAR Plot (NR Band n2 Ant A - 10.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)

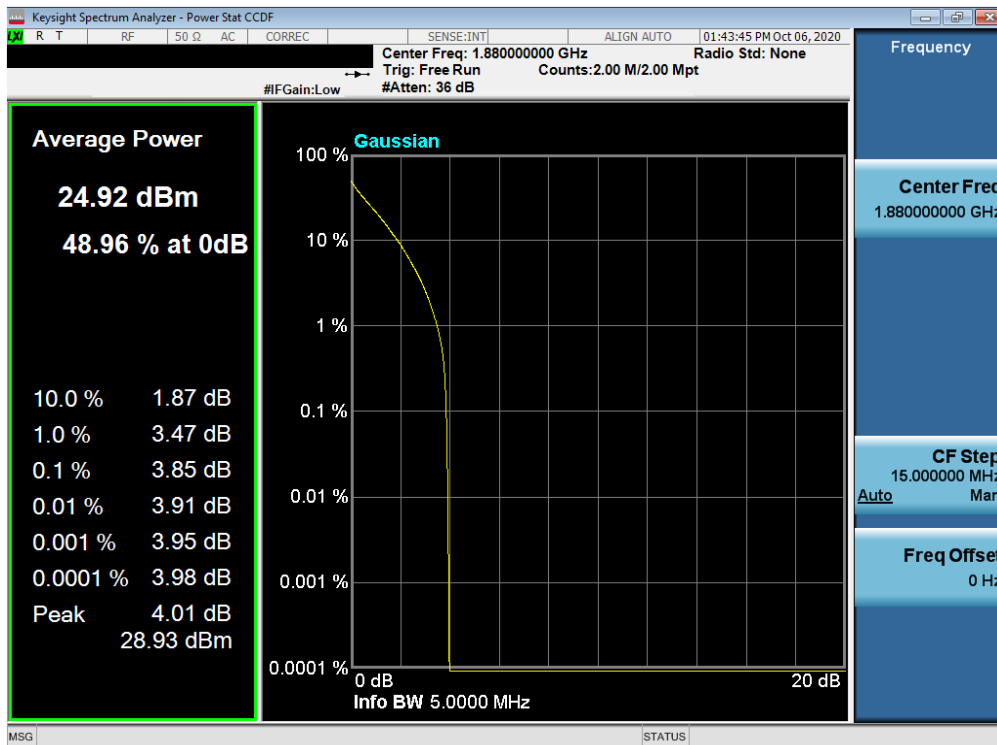


Plot 7-305. PAR Plot (NR Band n2 Ant A - 10.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)

FCC ID: A3LSMG996U	PCTEST Product to be part of Samsung	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
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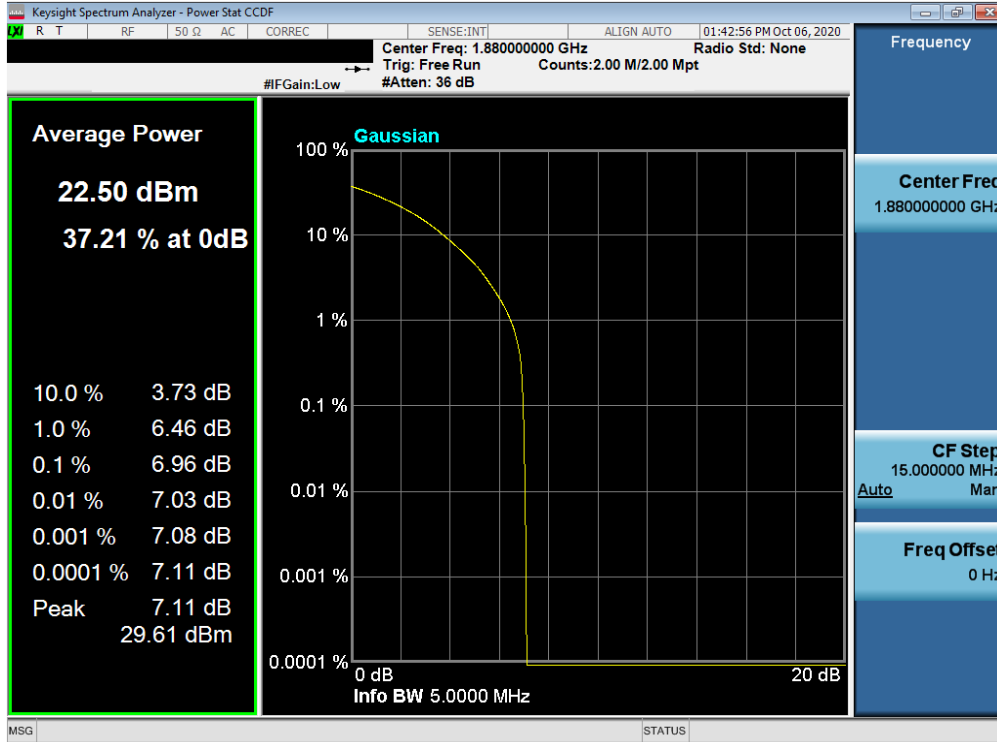


Plot 7-306. PAR Plot (NR Band n2 Ant A - 10.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

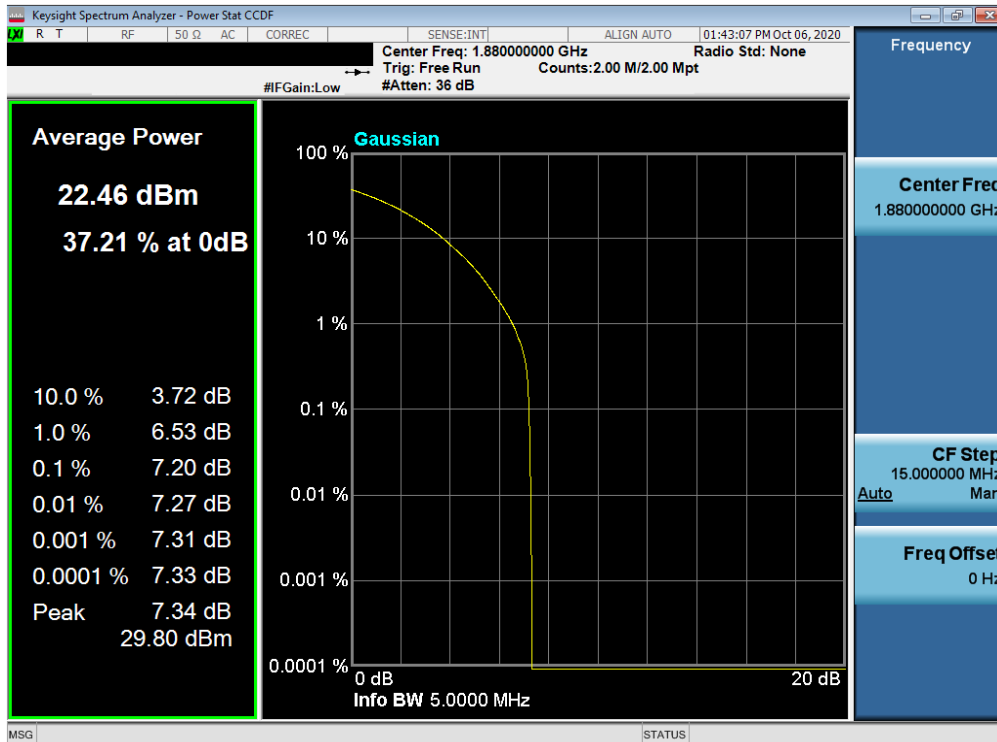


Plot 7-307. PAR Plot (NR Band n2 Ant A - 5.0MHz DFT-s-OFDM BPSK - Full RB)

FCC ID: A3LSMG996U	PCTEST Product to be part of Samsung	PART 24 MEASUREMENT REPORT	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset		Page 178 of 234

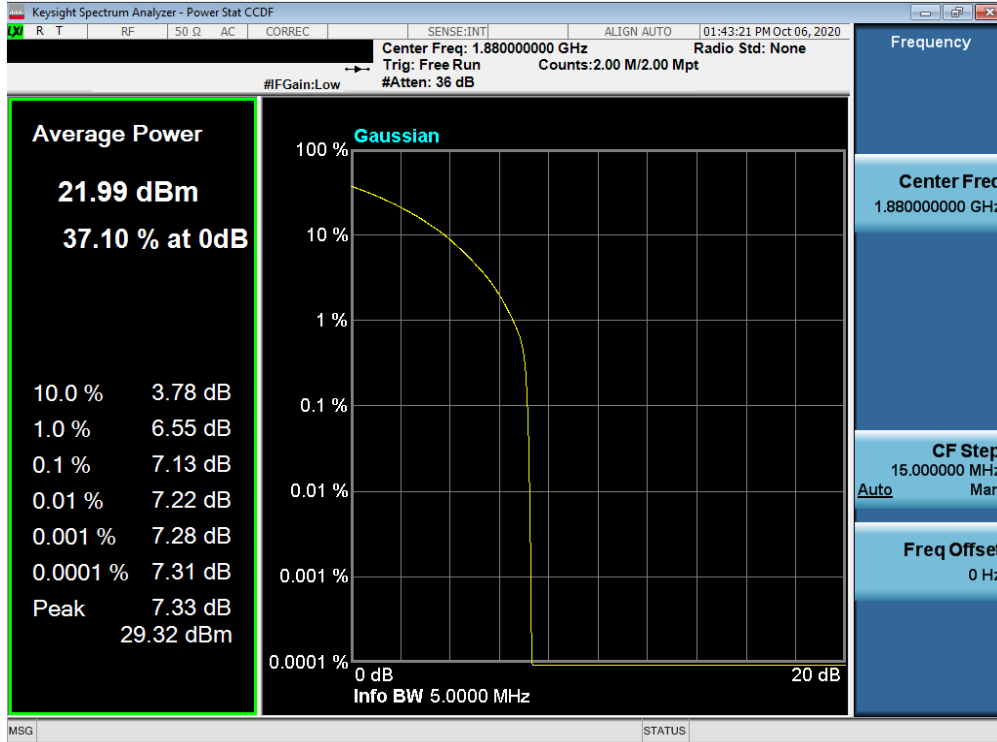


Plot 7-308. PAR Plot (NR Band n2 Ant A - 5.0MHz CP-OFDM-CP-OFDM QPSK - Full RB)

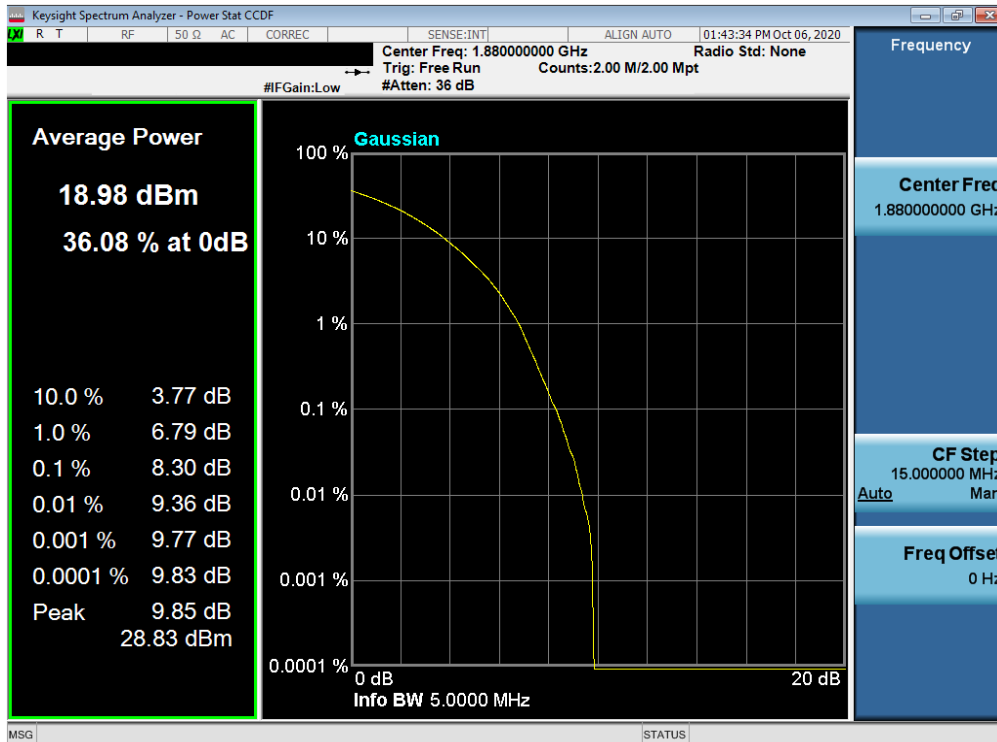


Plot 7-309. PAR Plot (NR Band n2 Ant A - 5.0MHz CP-OFDM-CP-OFDM 16-QAM - Full RB)



FCC ID: A3LSMG996U	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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Plot 7-310. PAR Plot (NR Band n2 Ant A - 5.0MHz CP-OFDM-CP-OFDM 64-QAM - Full RB)



Plot 7-311. PAR Plot (NR Band n2 Ant A - 5.0MHz CP-OFDM-CP-OFDM 256-QAM - Full RB)

FCC ID: A3LSMG996U	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1M2009140143-19.A3L	Test Dates: 09/15 - 11/10/2020	EUT Type: Portable Handset	Page 180 of 234