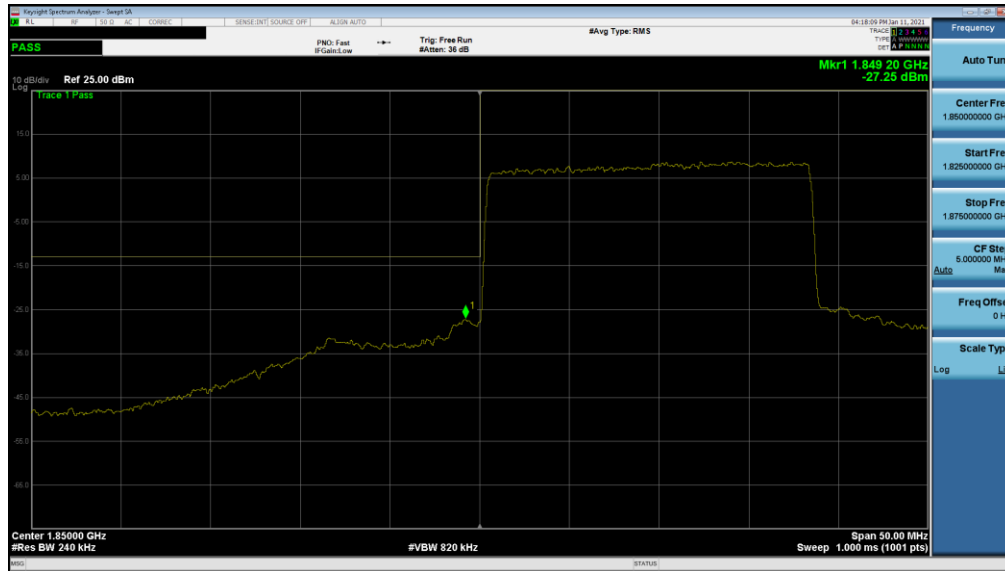
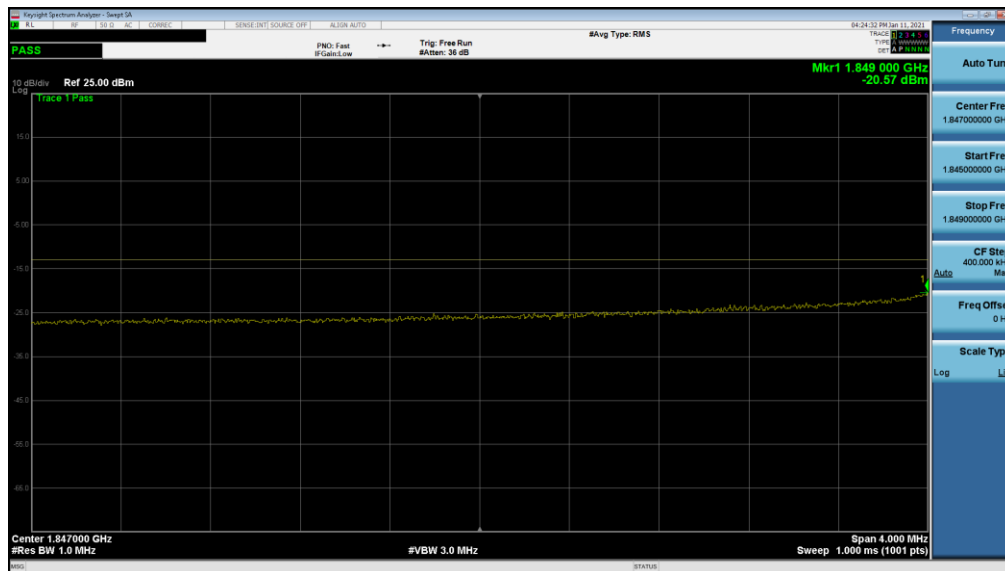


NR Band n2

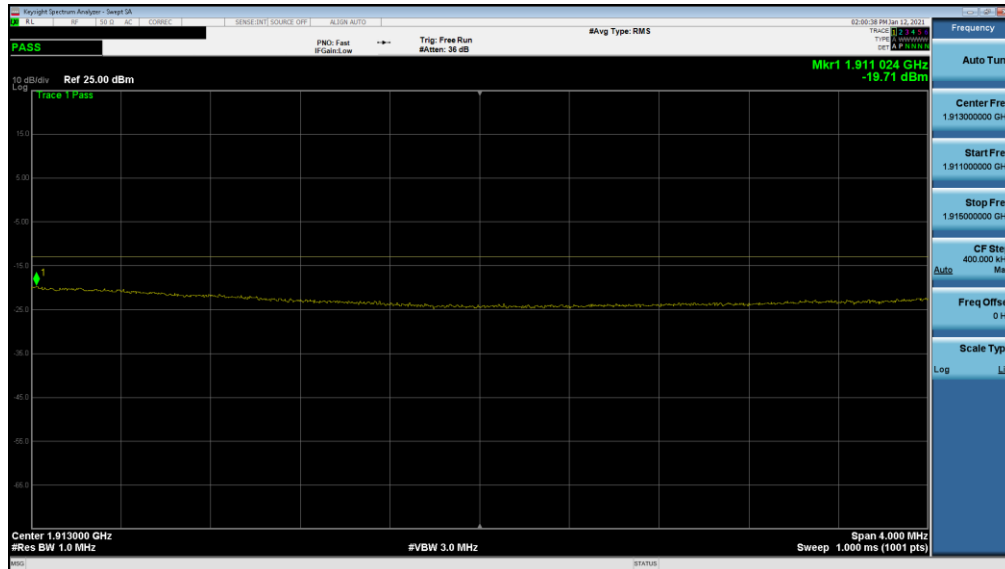
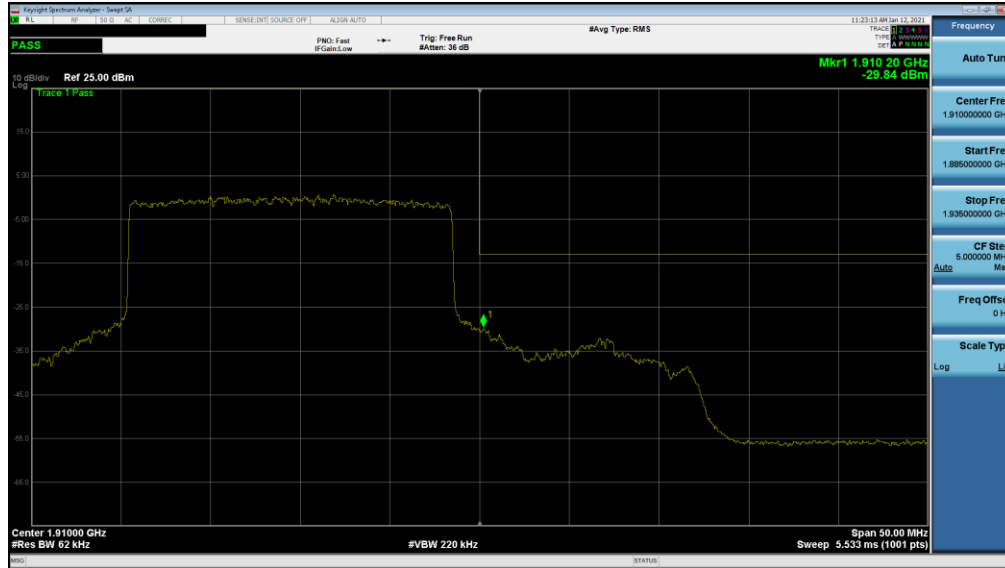


Plot 7-148. Lower Band Edge Plot (NR Band n2 – 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

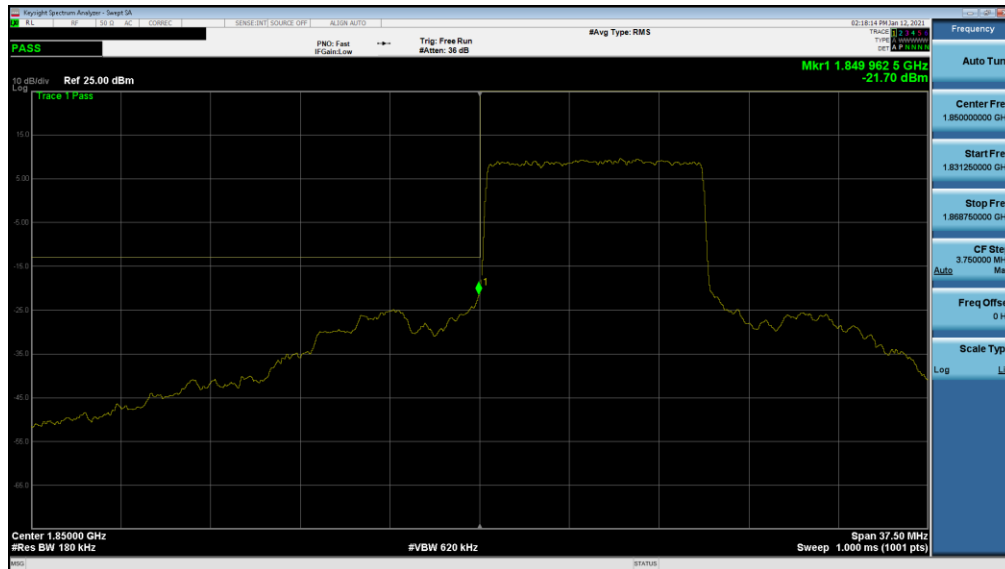


Plot 7-149. Lower Extended Band Edge Plot (NR Band n2 – 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

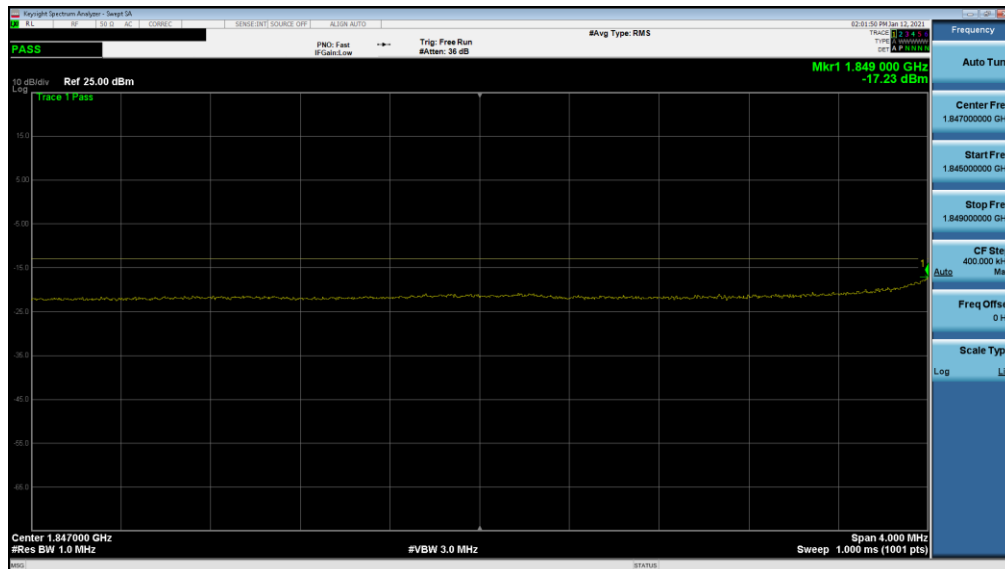
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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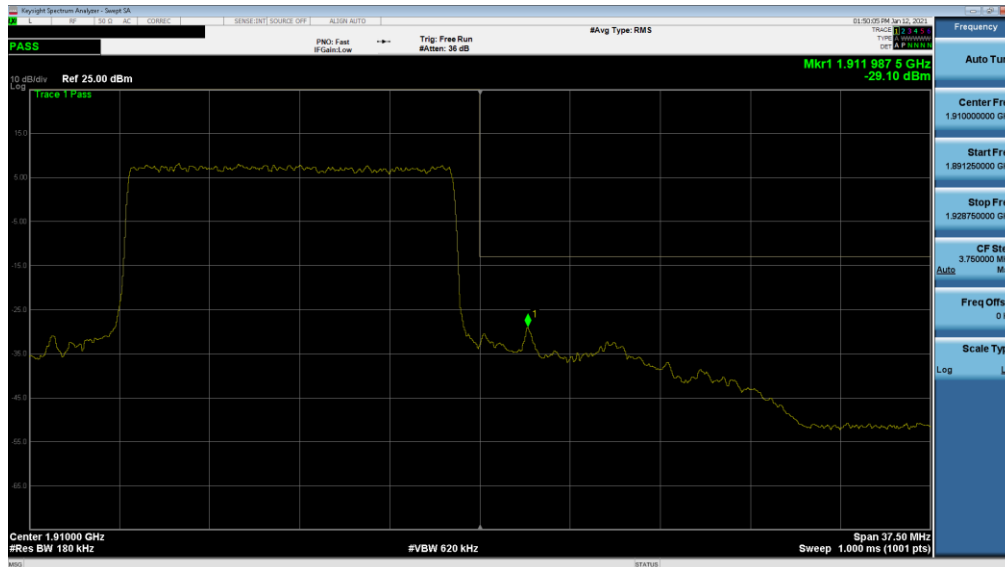


Plot 7-152. Lower Band Edge Plot (NR Band n2 – 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

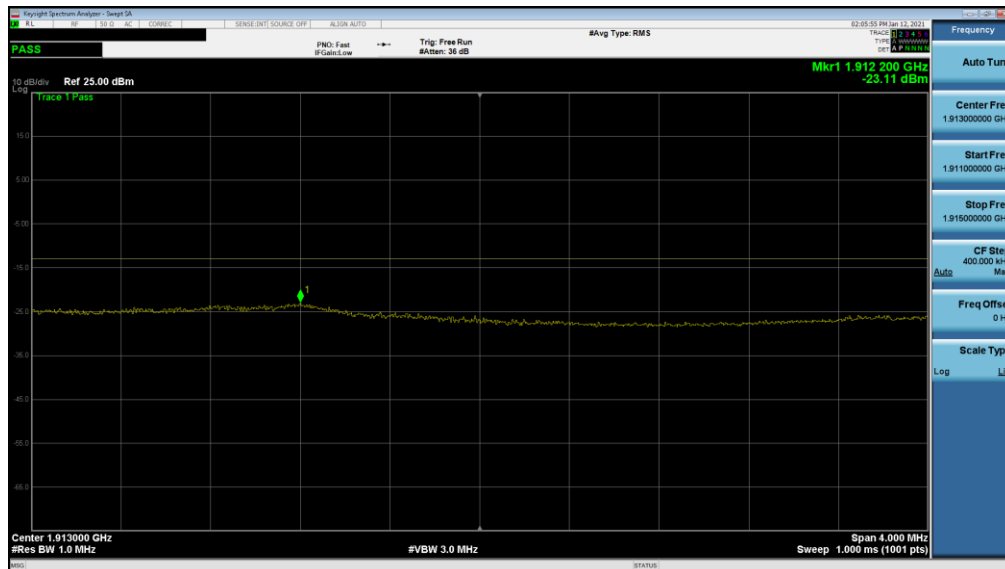


Plot 7-153. Lower Extended Band Edge Plot (NR Band n2 – 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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Plot 7-154. Upper Band Edge Plot (NR Band n2 – 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

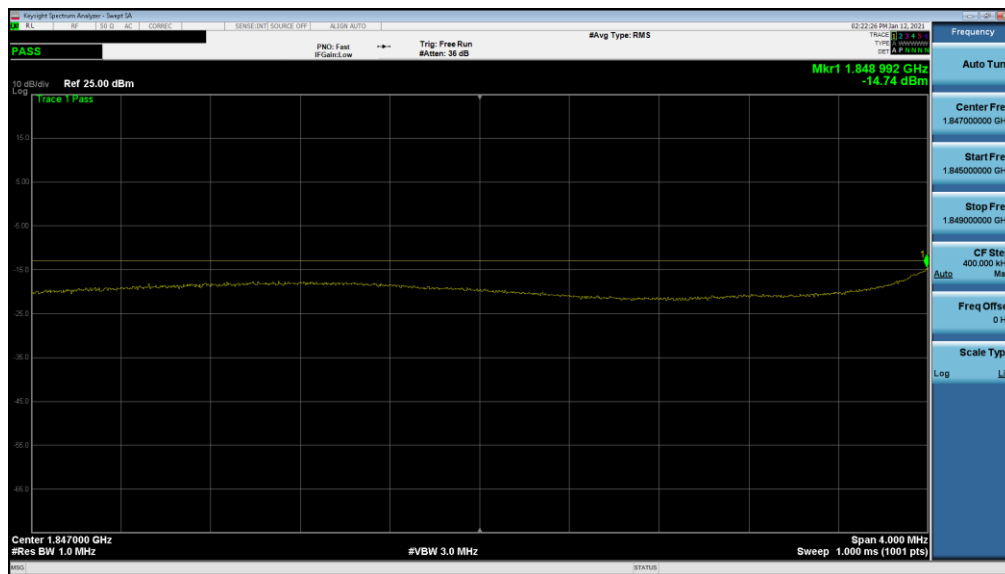


Plot 7-155. Upper Extended Band Edge Plot (NR Band n2 – 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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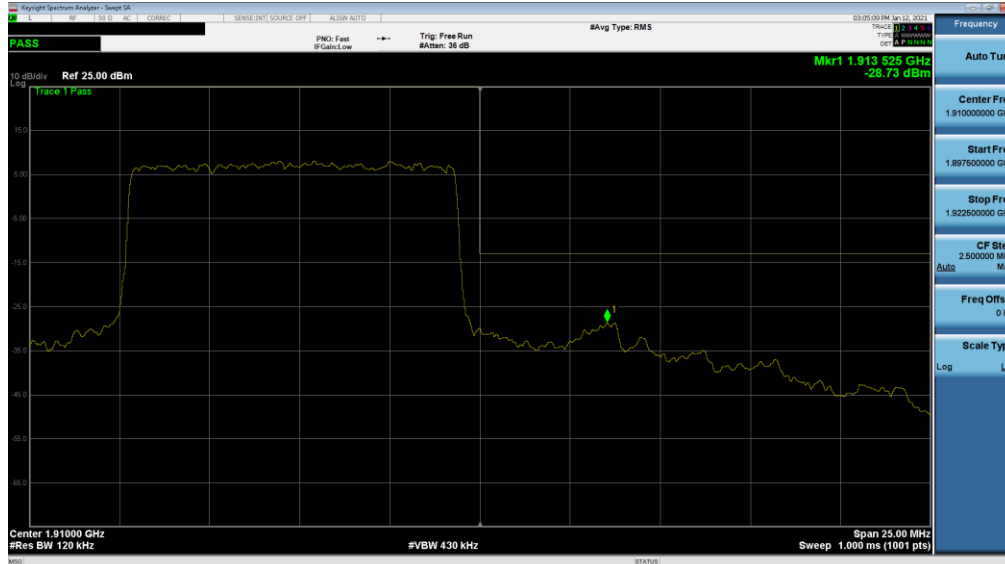


Plot 7-156. Lower Band Edge Plot (NR Band n2 – 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

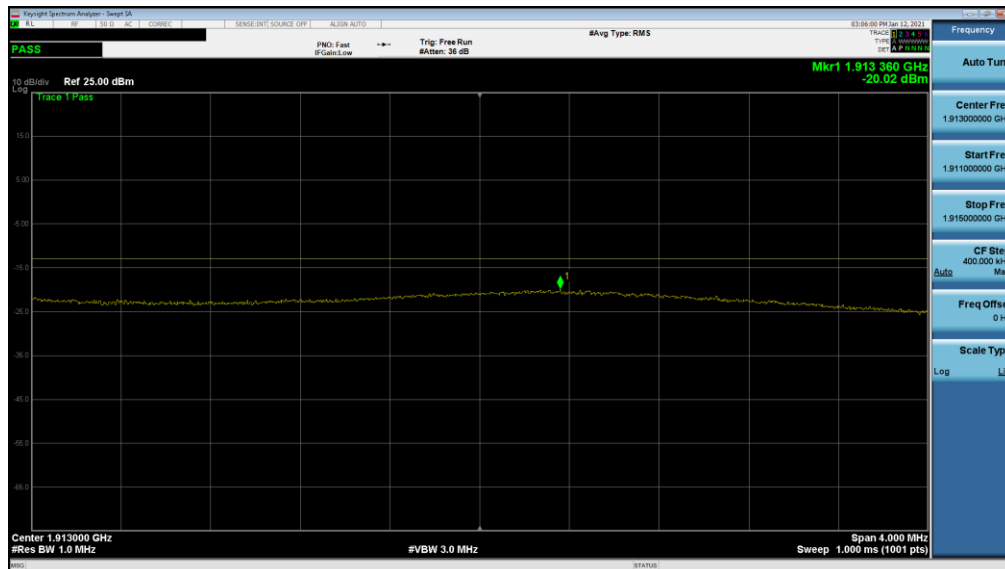


Plot 7-157. Lower Extended Band Edge Plot (NR Band n2 – 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 98 of 196

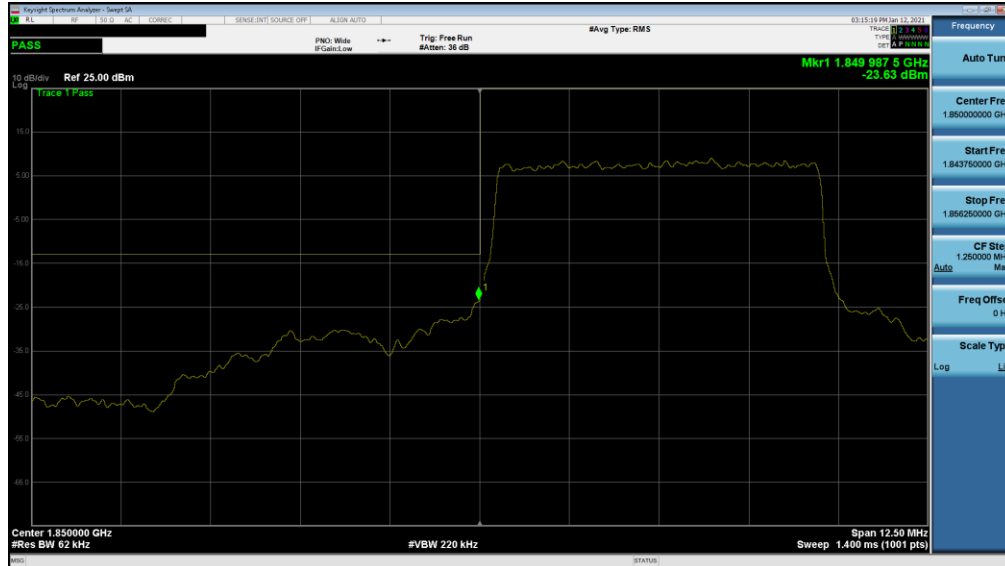


Plot 7-158. Upper Band Edge Plot (NR Band n2 – 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

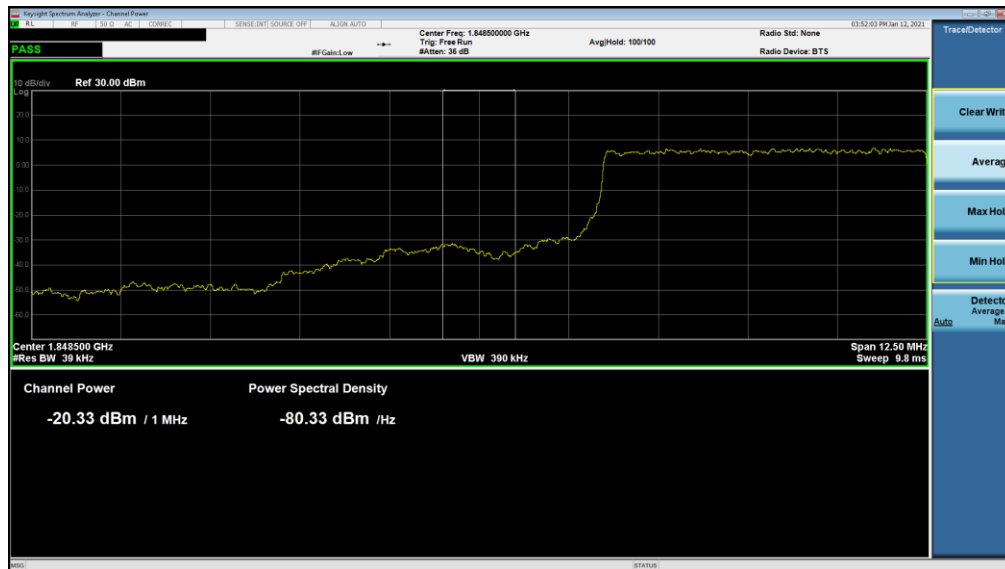


Plot 7-159. Upper Extended Band Edge Plot (NR Band n2 – 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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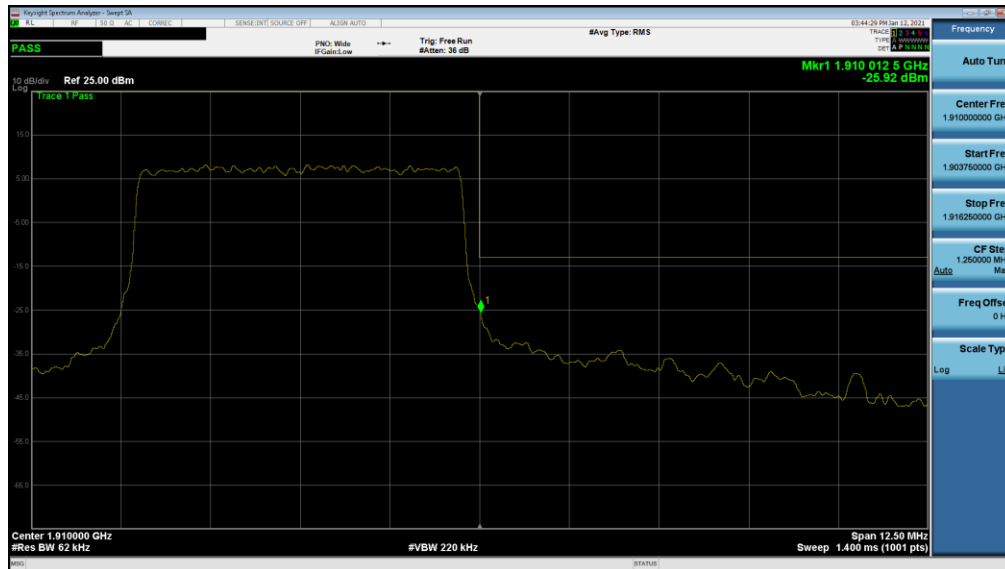


Plot 7-160. Lower Band Edge Plot (NR Band n2 – 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

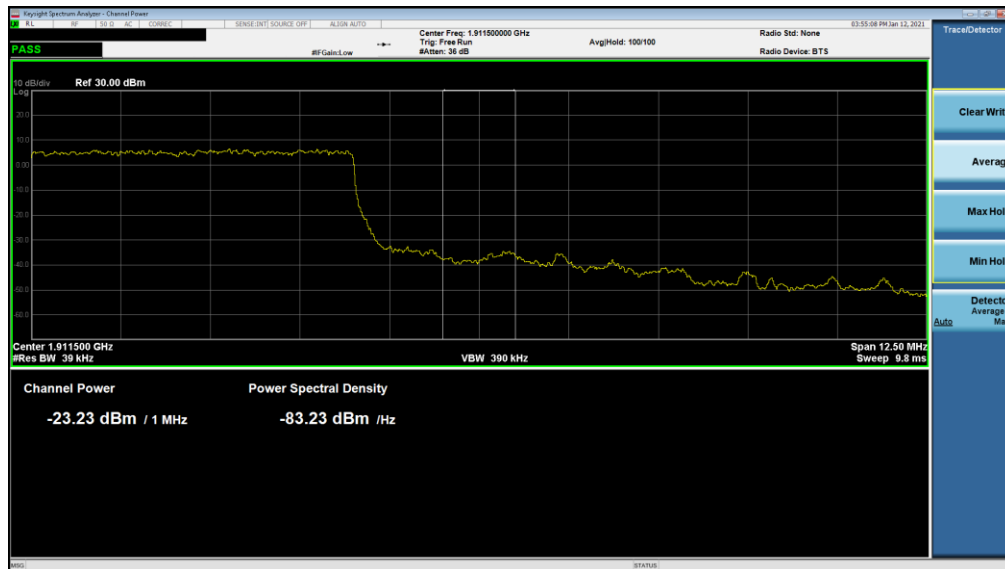


Plot 7-161. Lower Extended Band Edge Plot (NR Band n2 – 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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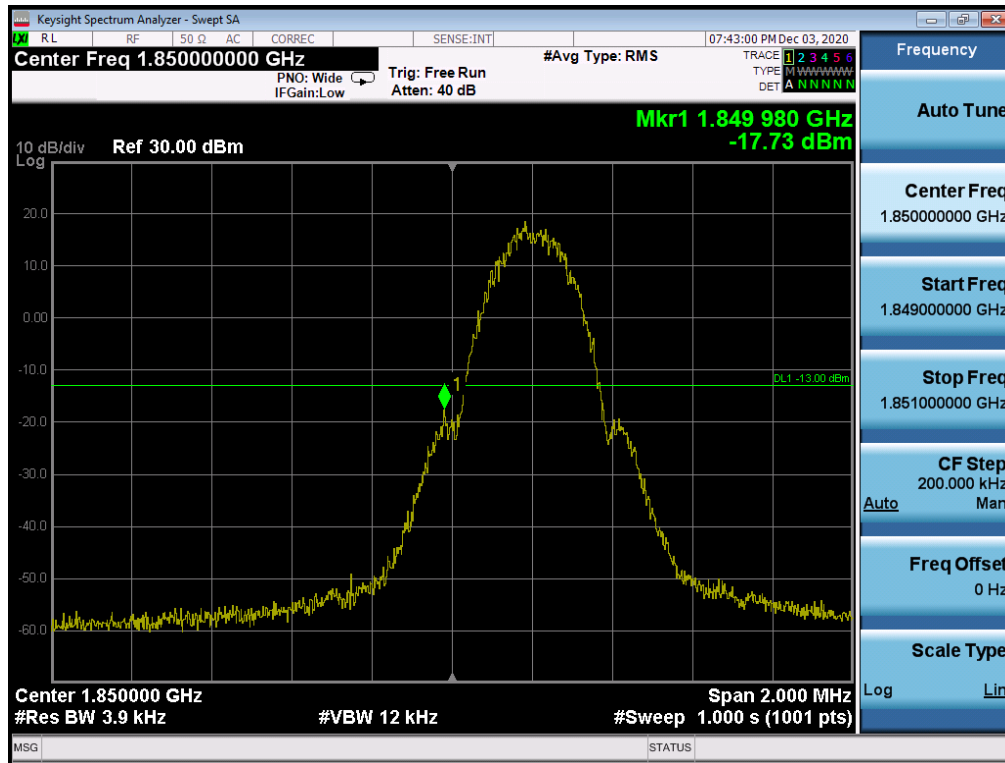
Plot 7-162. Upper Band Edge Plot (NR Band n2 – 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



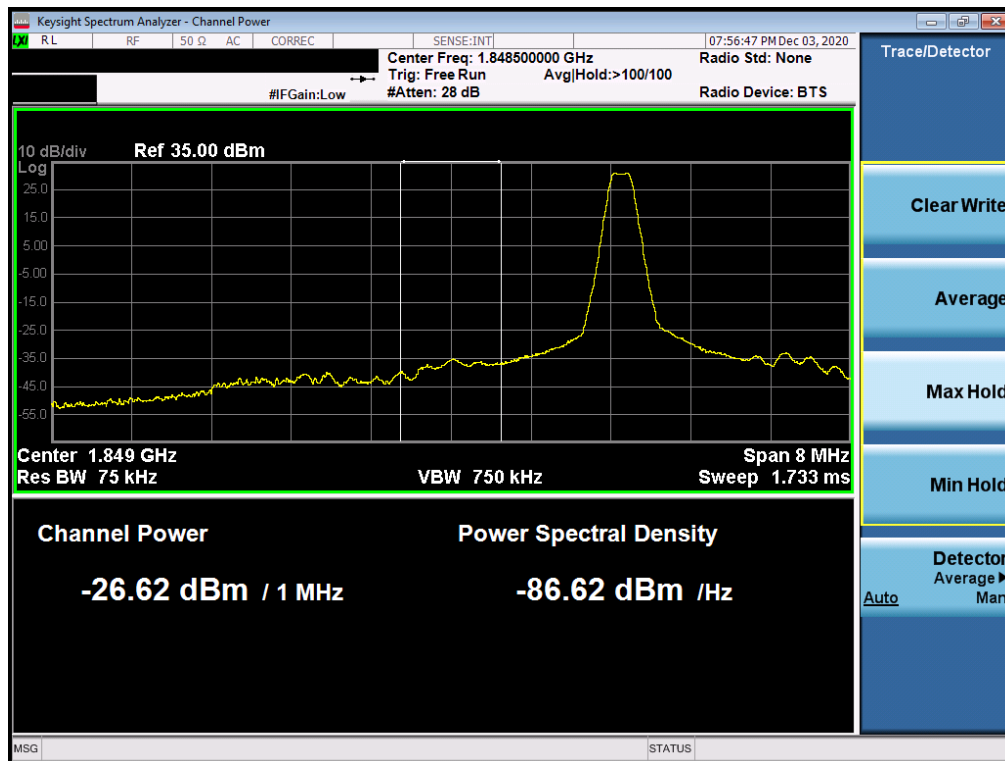
Plot 7-163. Upper Extended Band Edge Plot (NR Band n2 – 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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GSM/GPRS PCS



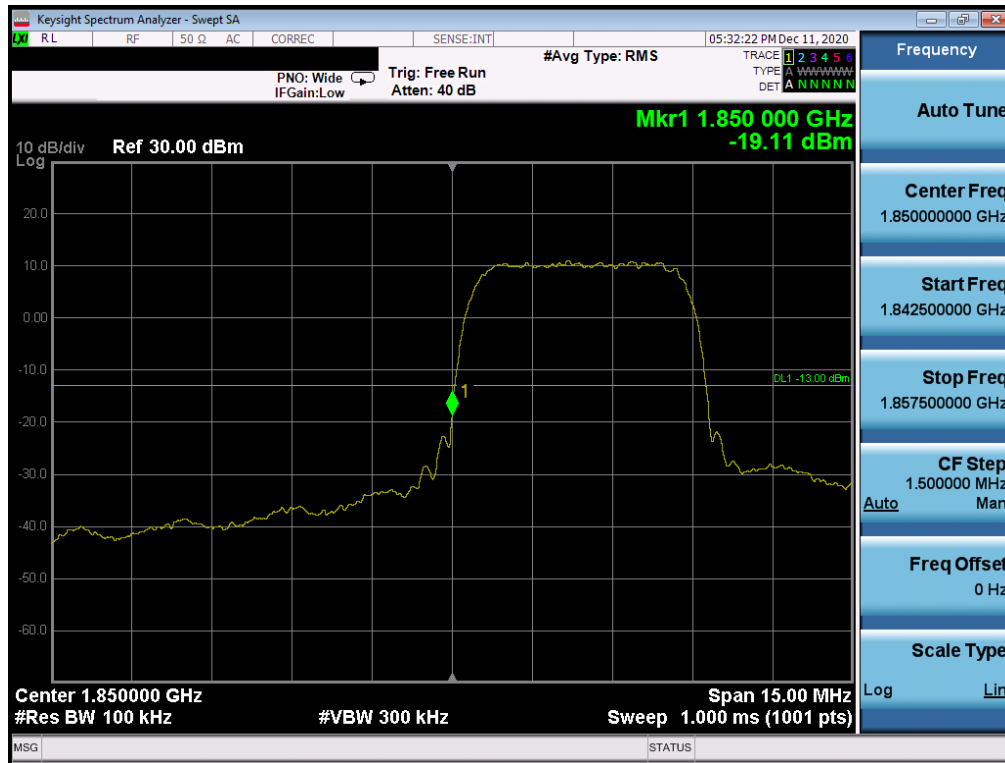
Plot 7-164. Lower Band Edge Plot (GPRS PCS – Ch. 512)



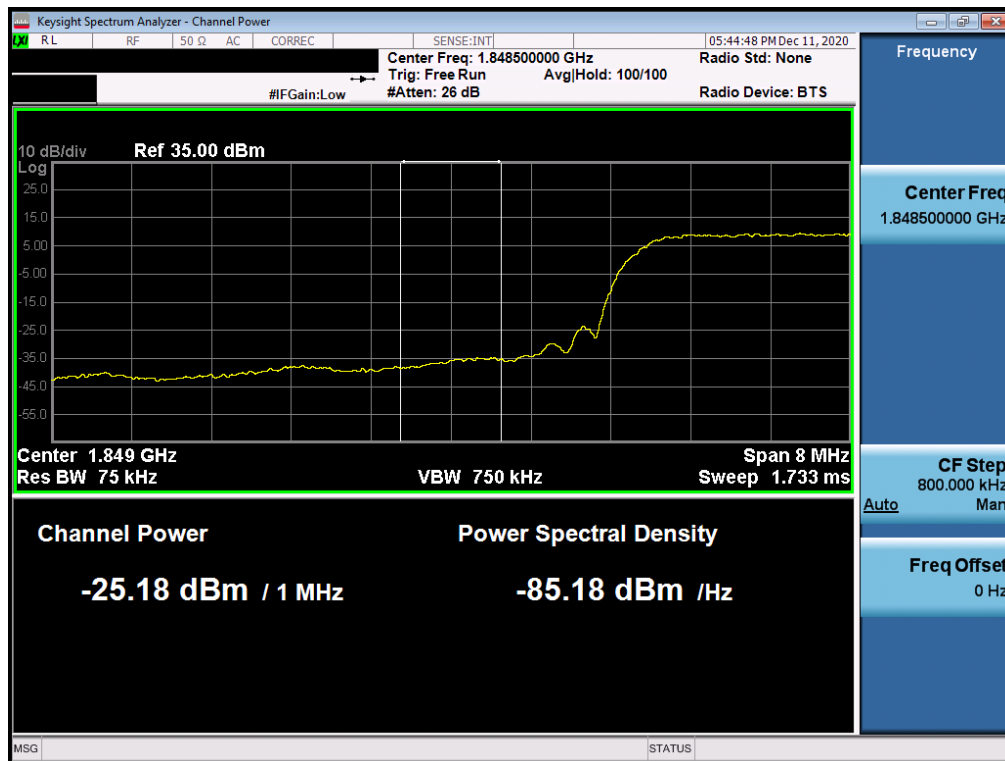
Plot 7-165. Extended Lower Band Edge Plot (GPRS PCS – Ch. 512)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 102 of 196

WCDMA PCS



Plot 7-168. Lower Band Edge Plot (WCDMA PCS – Ch. 9262)

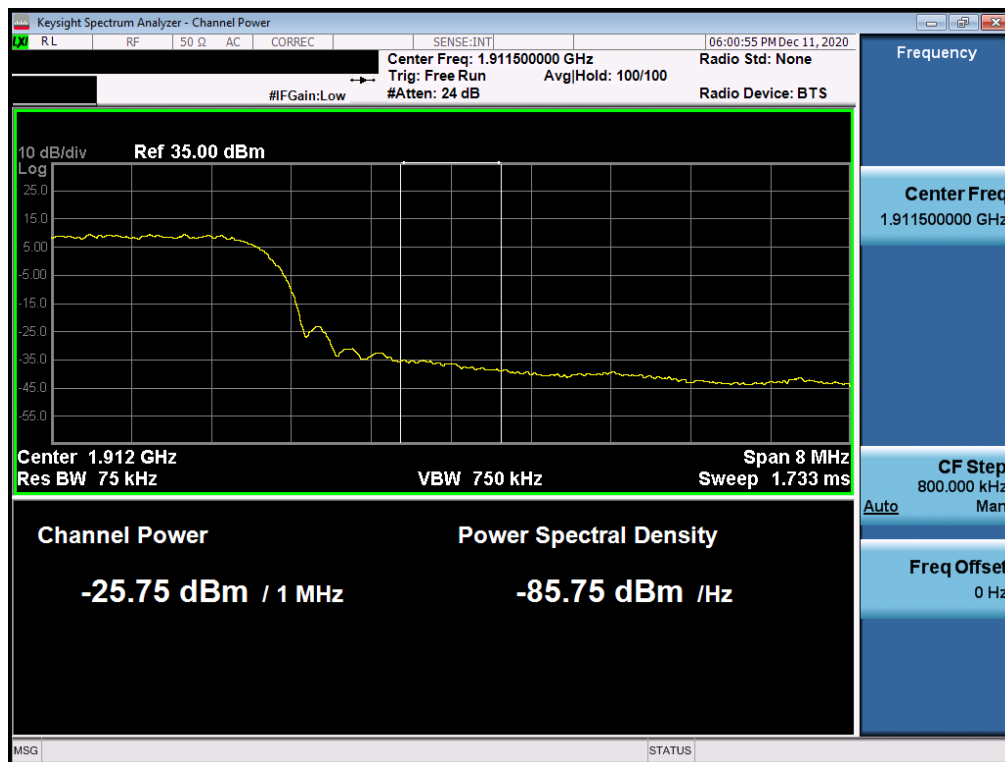


Plot 7-169. Extended Lower Band Edge Plot (WCDMA PCS – Ch. 9262)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 104 of 196



Plot 7-170. Upper Band Edge Plot (WCDMA PCS – Ch. 9538)



Plot 7-171. Extended Upper Band Edge Plot (WCDMA PCS – Ch. 9538)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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7.5 Peak-Average Ratio §24.232(d)

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.

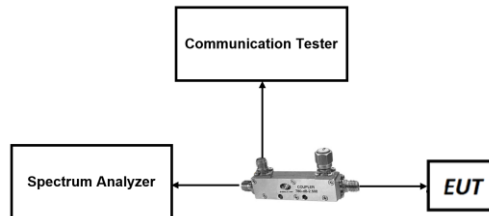


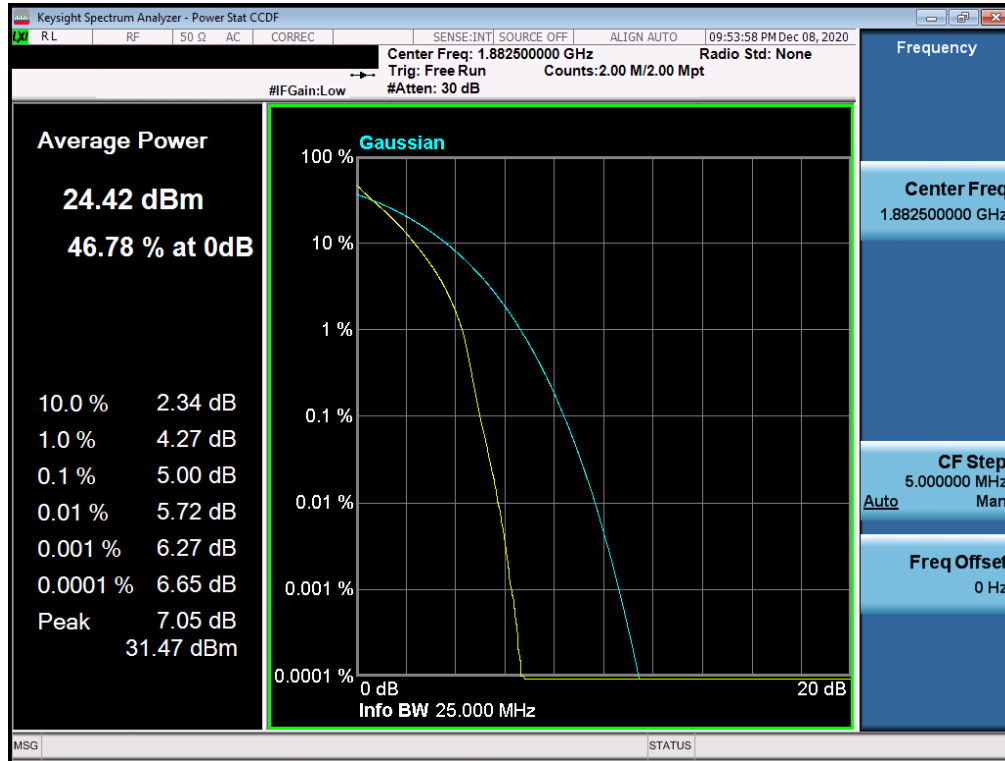
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

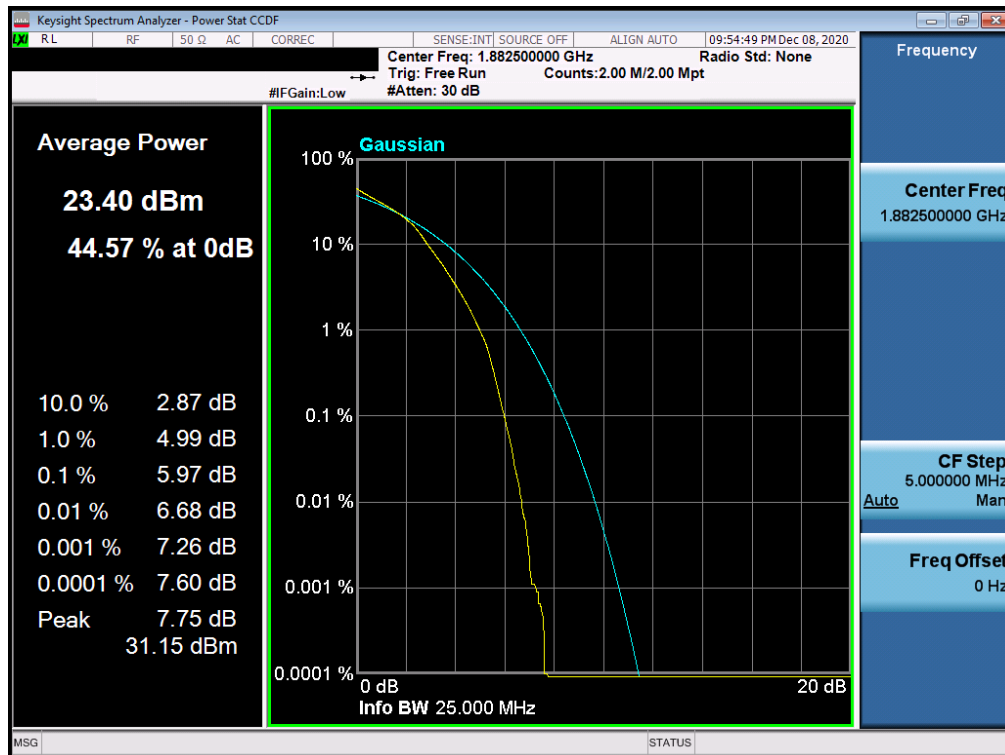
None.

FCC ID: BCGA2301	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 106 of 196

LTE Band 25

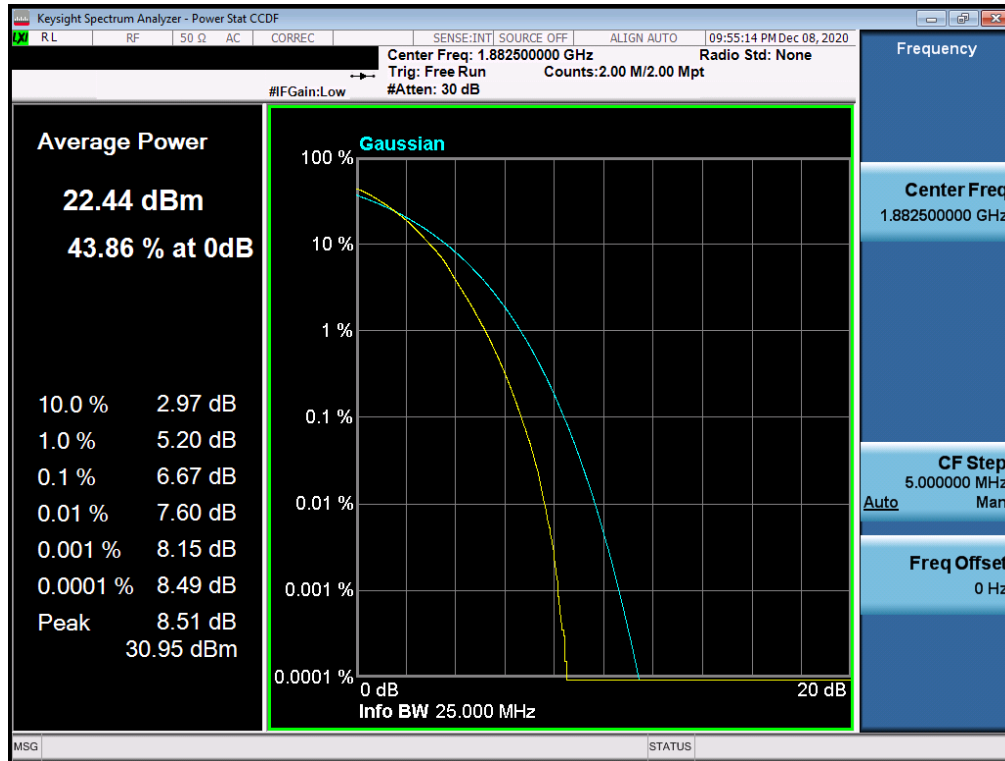


Plot 7-172. PAR Plot (LTE Band 25 - 20MHz QPSK - Full RB Configuration)

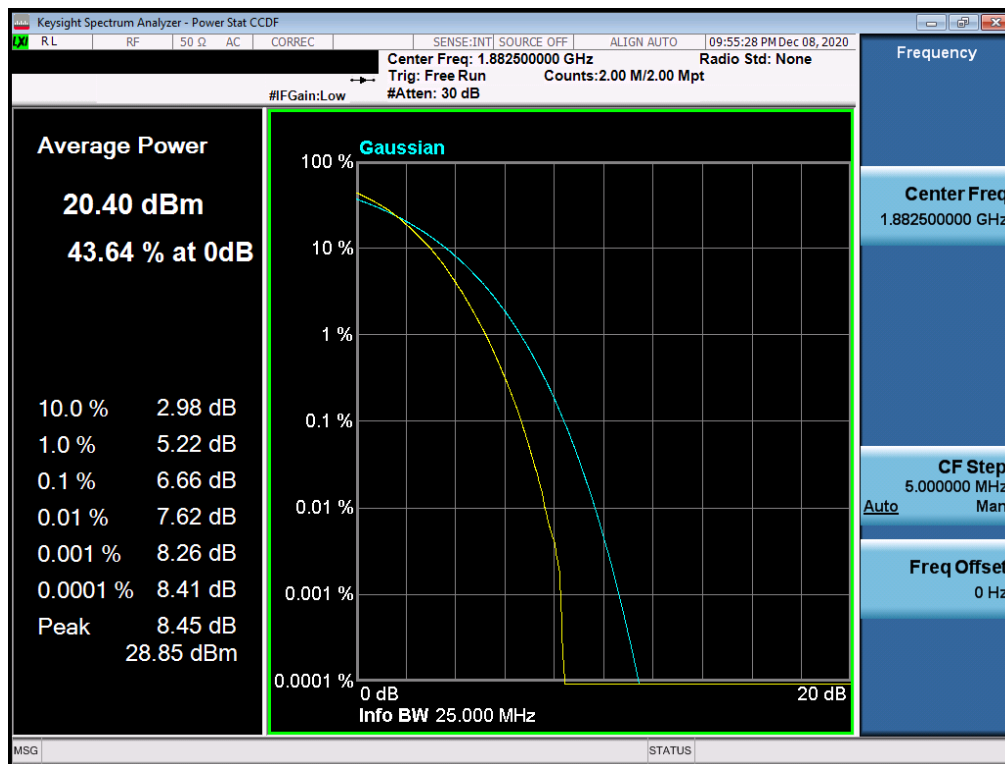


Plot 7-173. PAR Plot (LTE Band 25 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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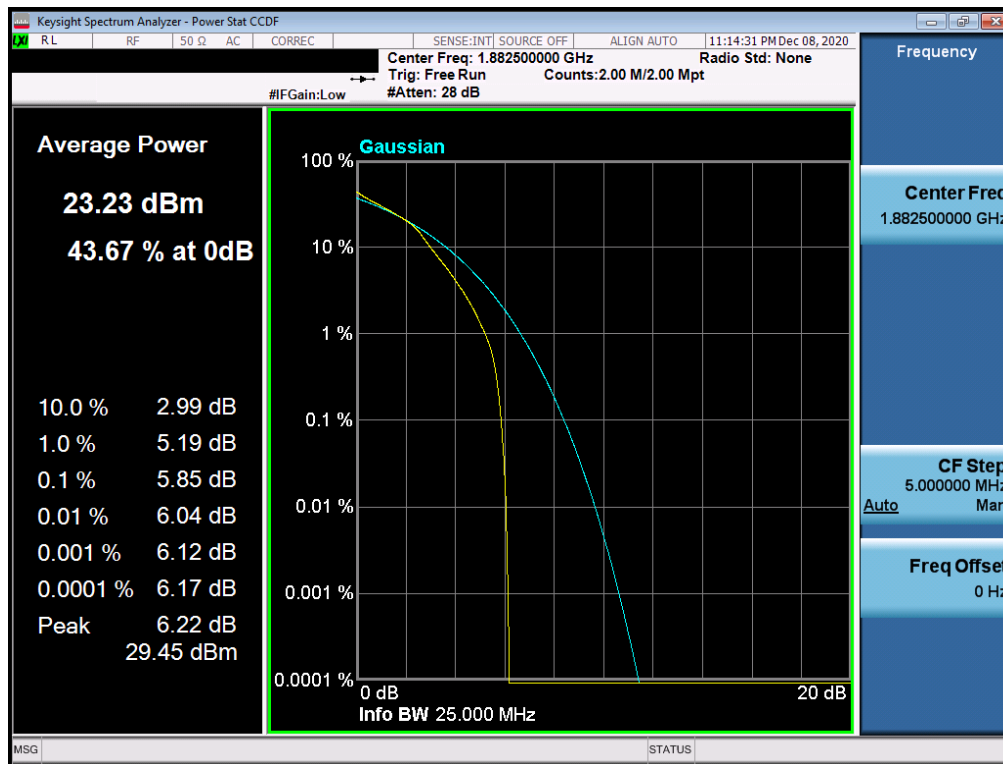
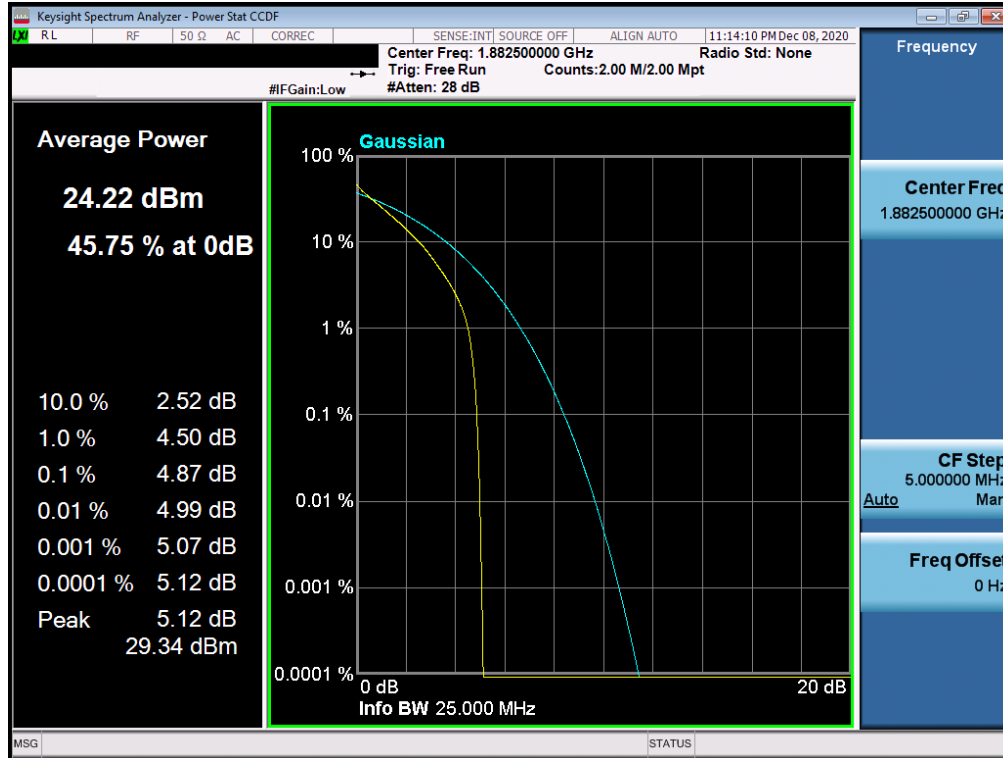


Plot 7-174. PAR Plot (LTE Band 25 - 20MHz 64-QAM - Full RB Configuration)

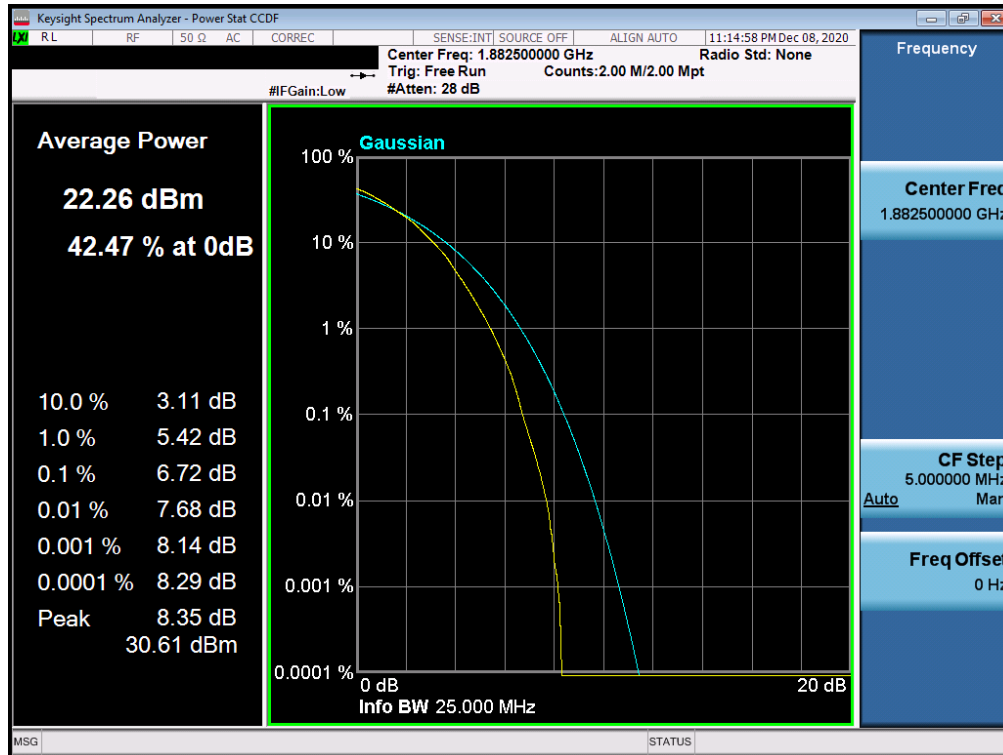


Plot 7-175. PAR Plot (LTE Band 25 - 20MHz 256-QAM - Full RB Configuration)

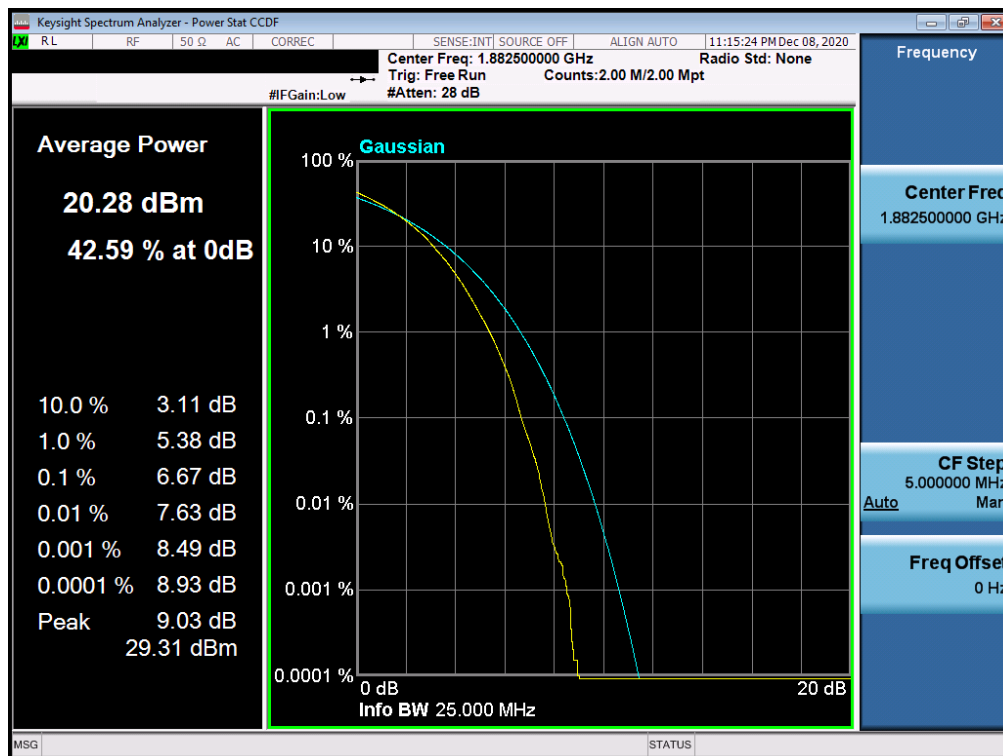
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 108 of 196



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 109 of 196

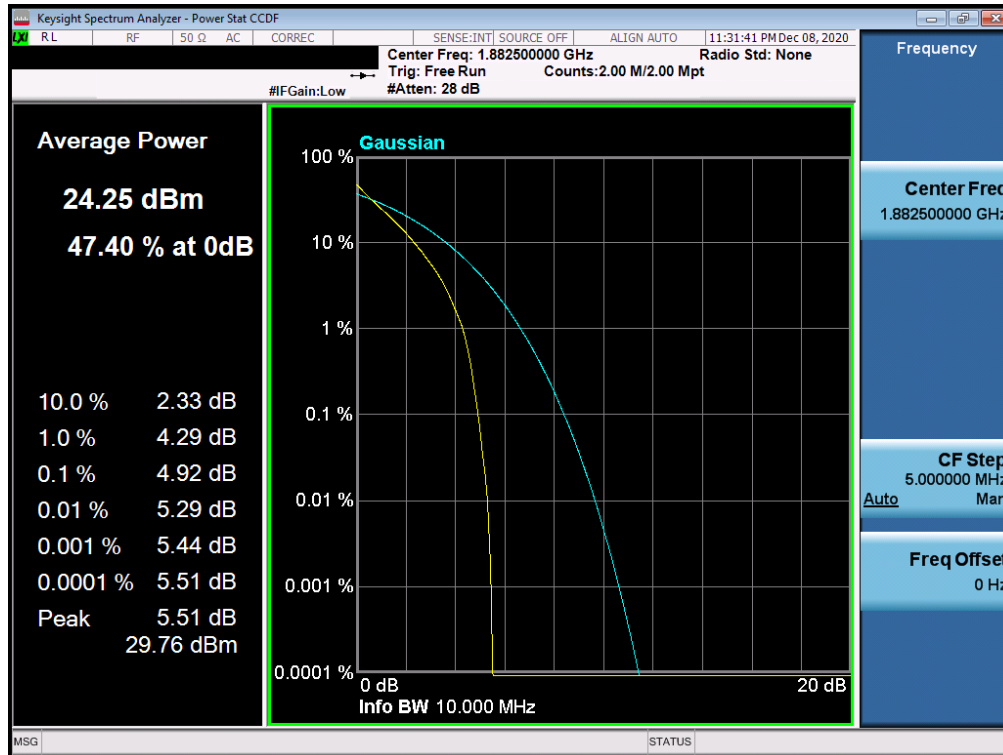


Plot 7-178. PAR Plot (LTE Band 25 - 15MHz 64-QAM - Full RB Configuration)

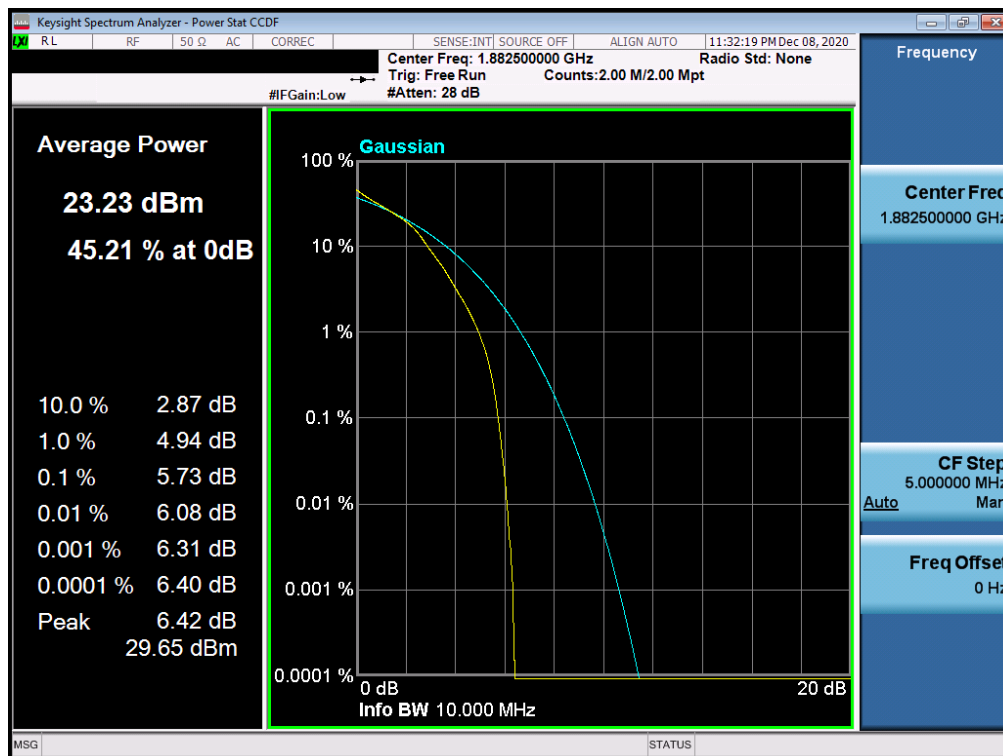


Plot 7-179. PAR Plot (LTE Band 25 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 110 of 196

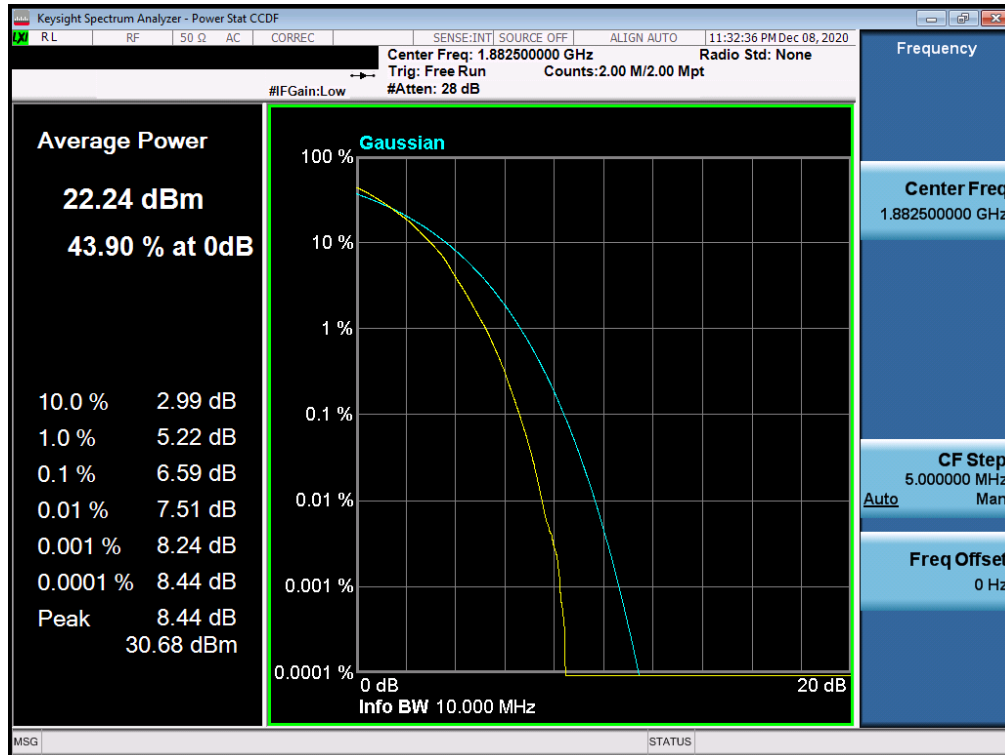


Plot 7-180. PAR Plot (LTE Band 25 - 10MHz QPSK - Full RB Configuration)

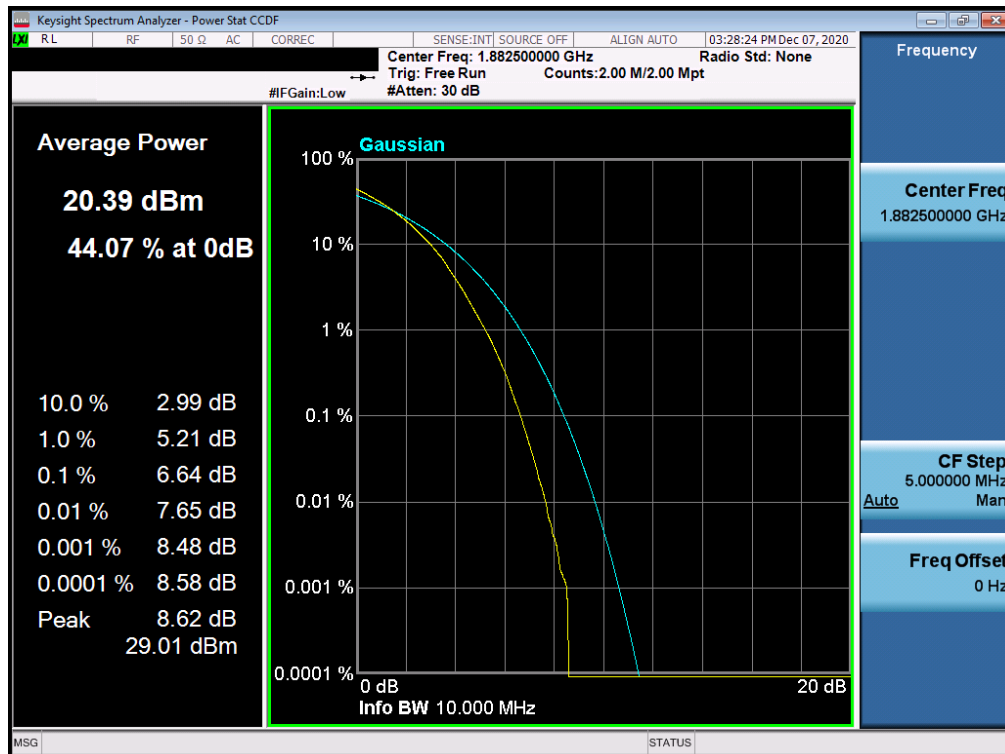


Plot 7-181. PAR Plot (LTE Band 25 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 111 of 196

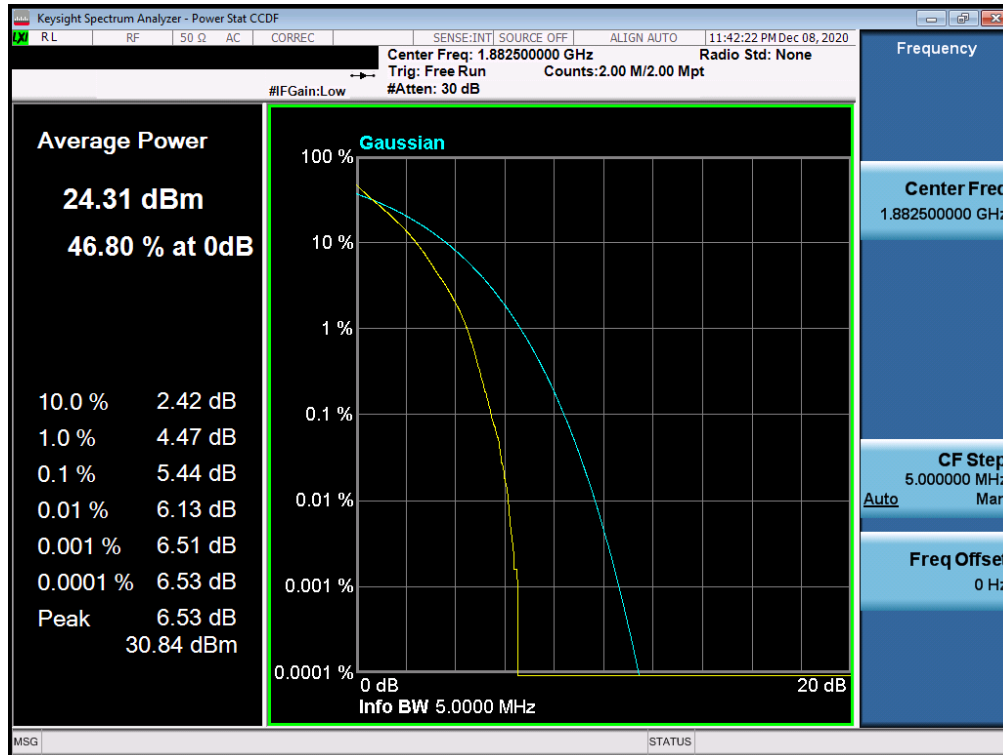


Plot 7-182. PAR Plot (LTE Band 25 - 10MHz 64-QAM - Full RB Configuration)

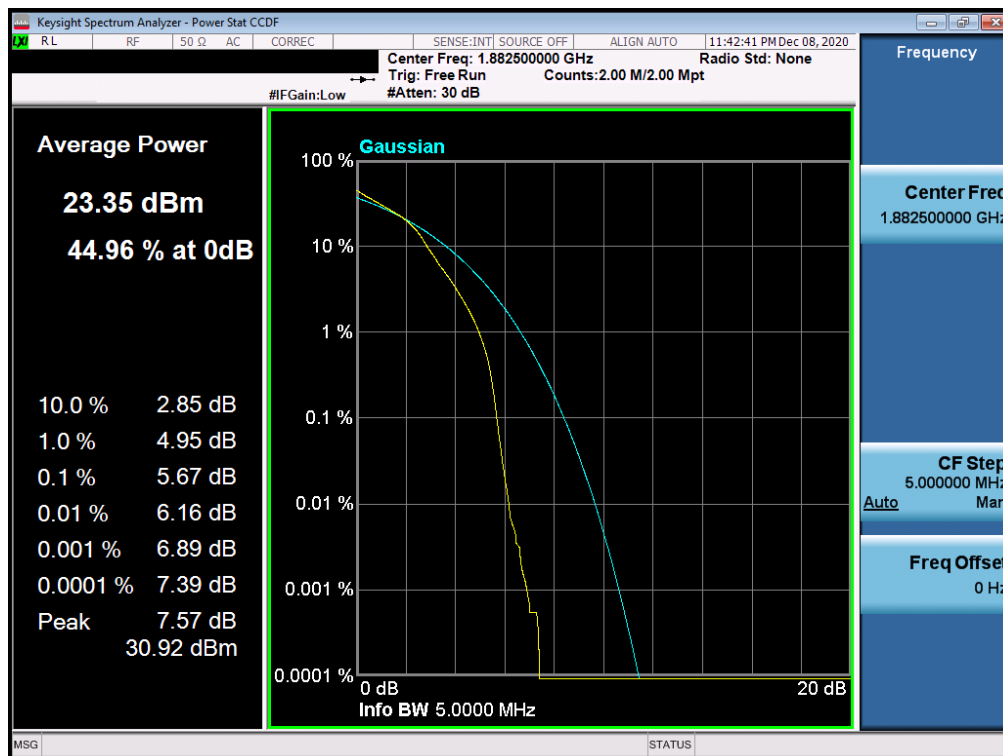


Plot 7-183. PAR Plot (LTE Band 25 - 10MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 112 of 196

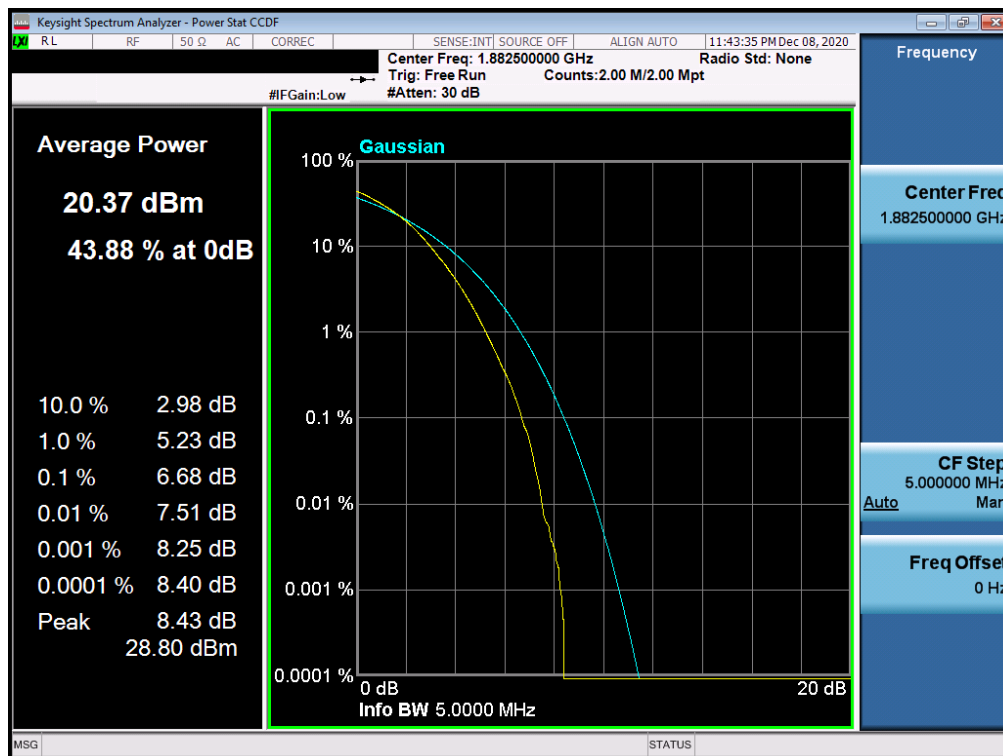
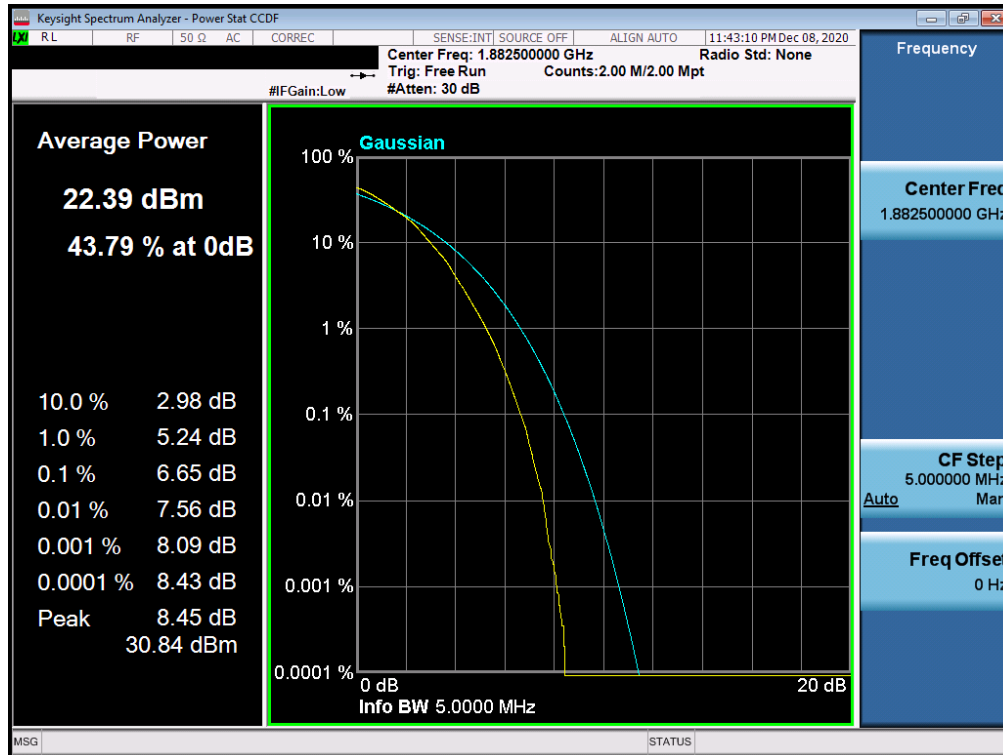


Plot 7-184. PAR Plot (LTE Band 25 - 5MHz QPSK - Full RB Configuration)

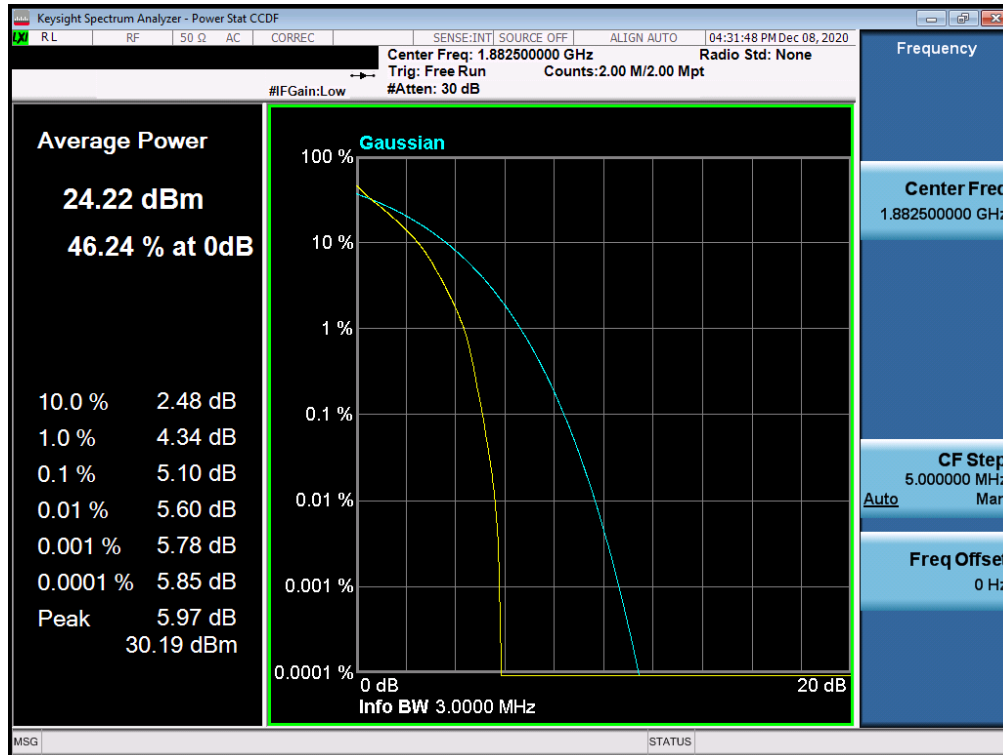


Plot 7-185. PAR Plot (LTE Band 25 - 5MHz 16-QAM - Full RB Configuration)

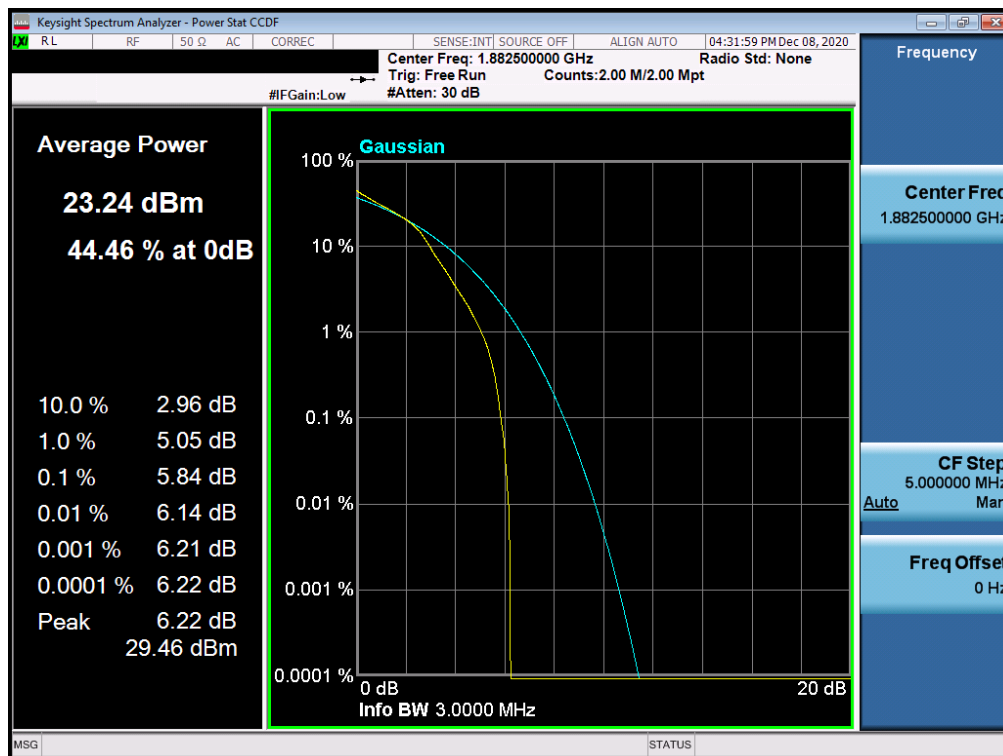
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 113 of 196



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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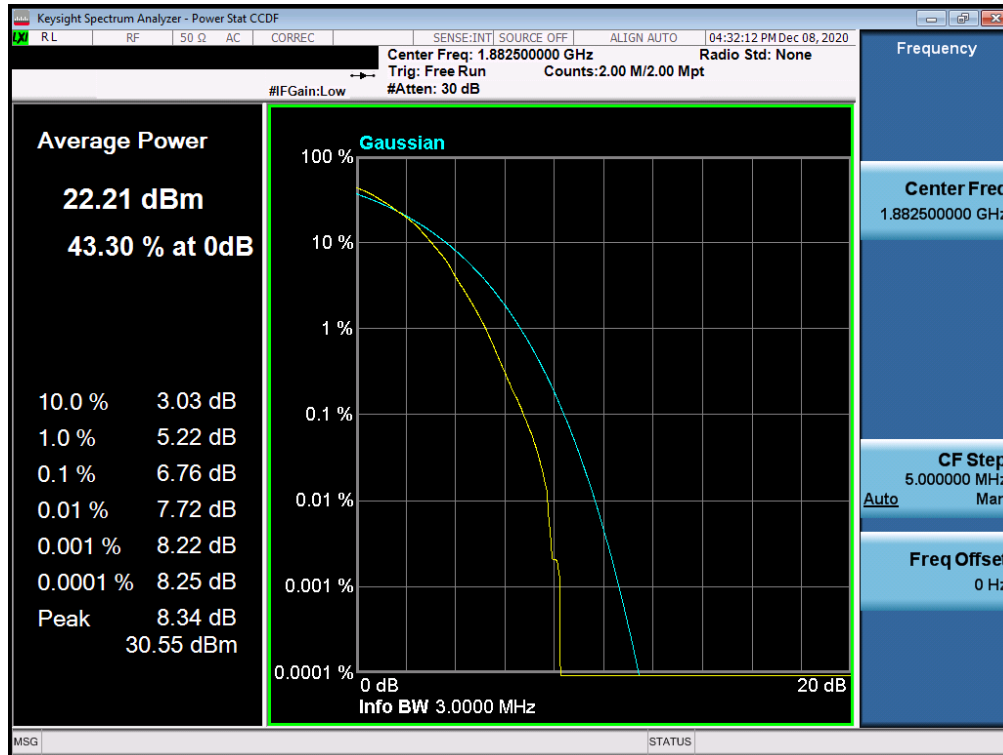


Plot 7-188. PAR Plot (LTE Band 25 - 3MHz QPSK - Full RB Configuration)

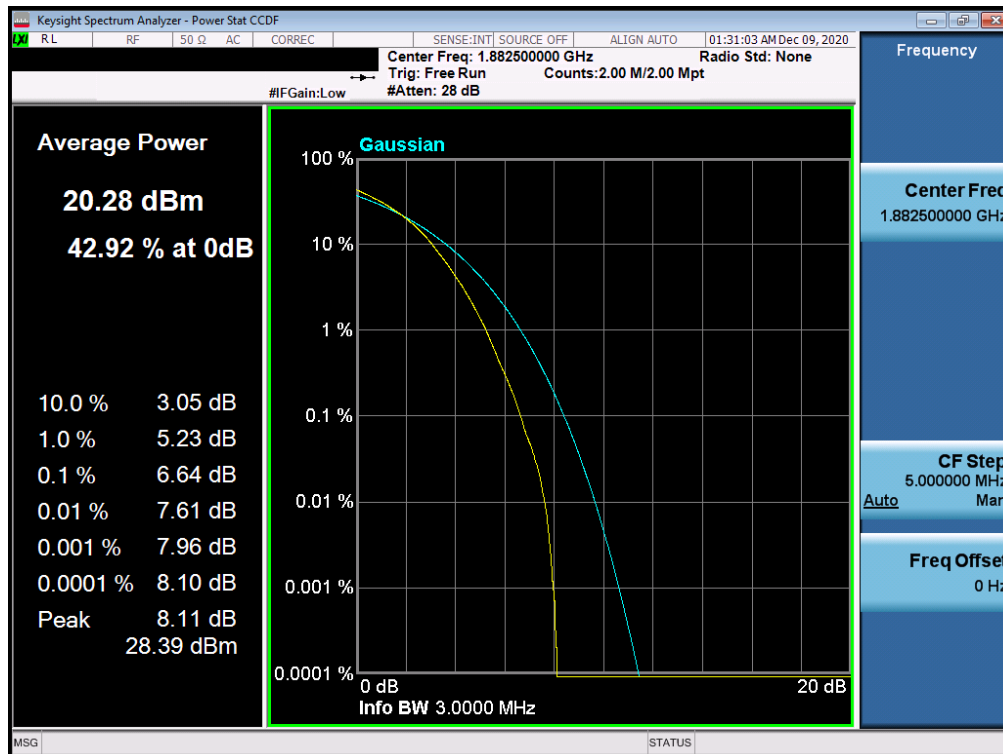


Plot 7-189. PAR Plot (LTE Band 25 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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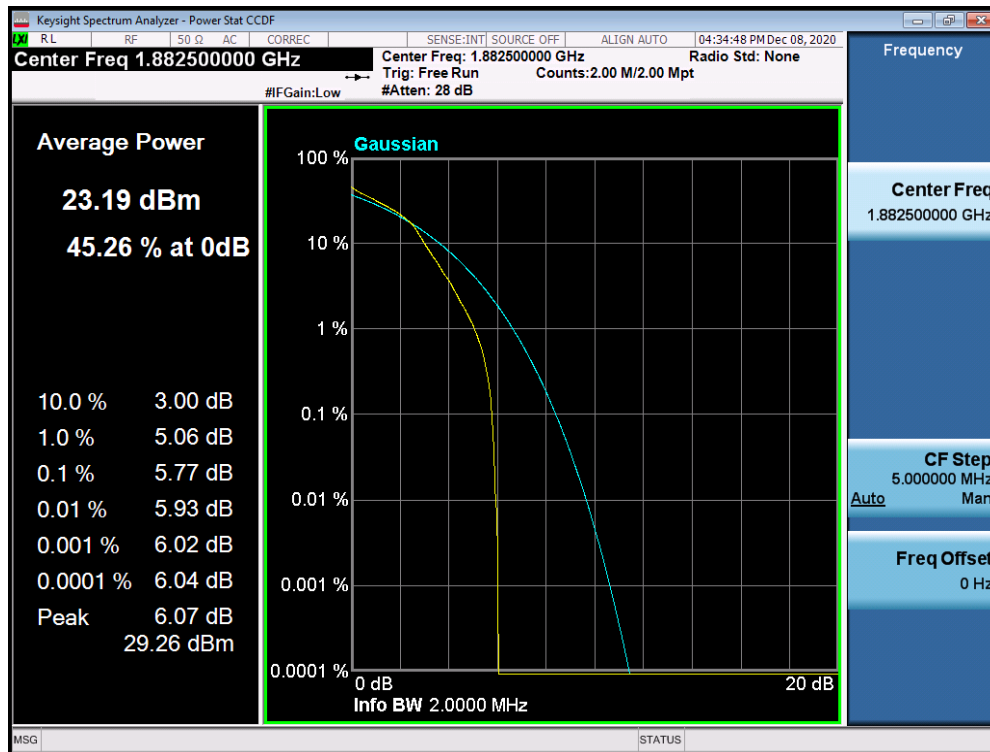
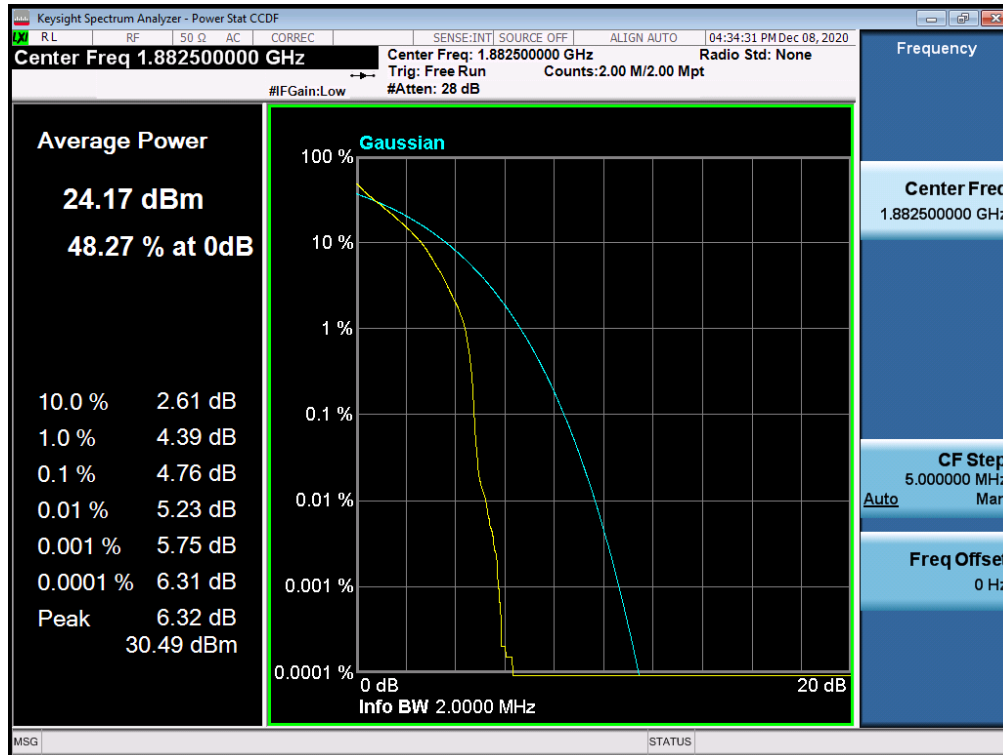


Plot 7-190. PAR Plot (LTE Band 25 - 3MHz 64-QAM - Full RB Configuration)

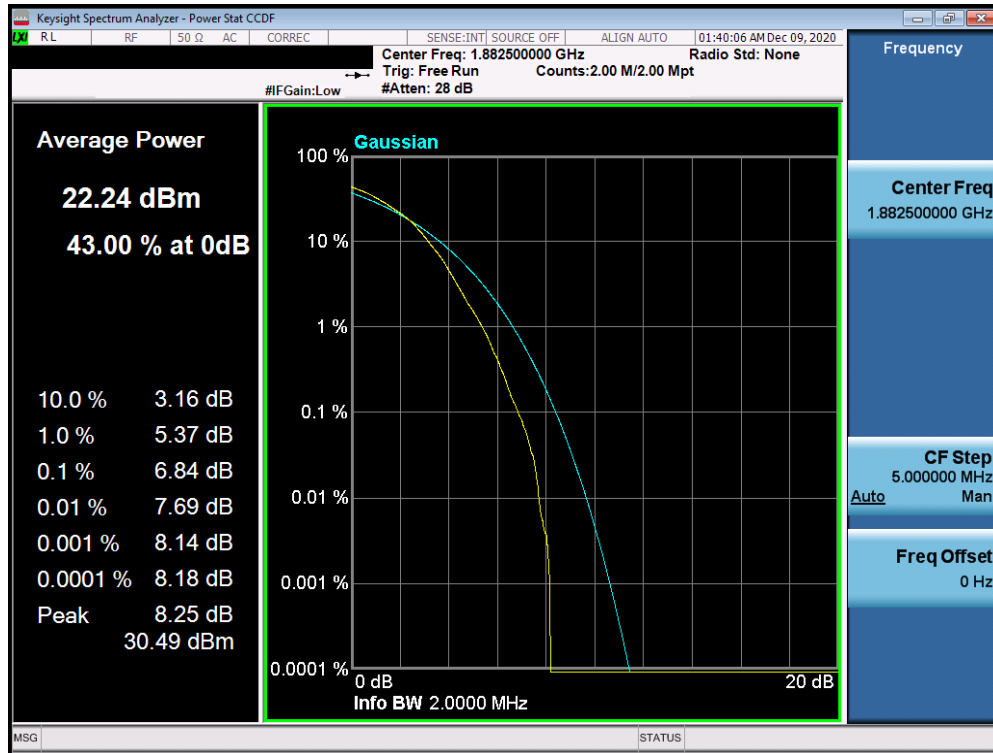


Plot 7-191. PAR Plot (LTE Band 25 - 3MHz 256-QAM - Full RB Configuration)

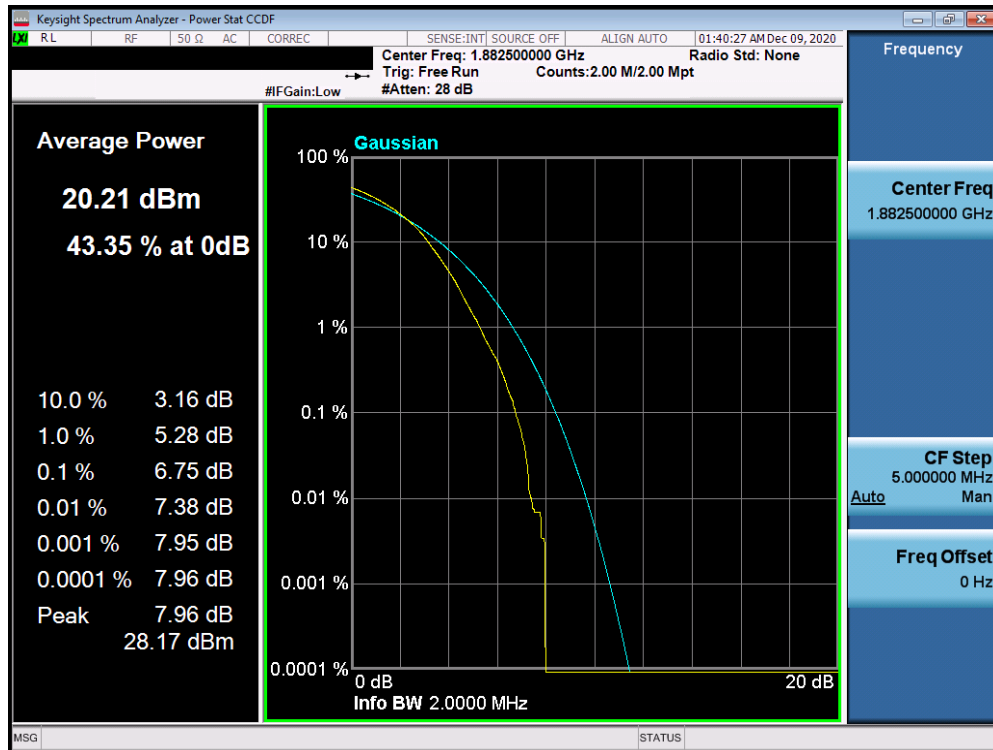
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 116 of 196



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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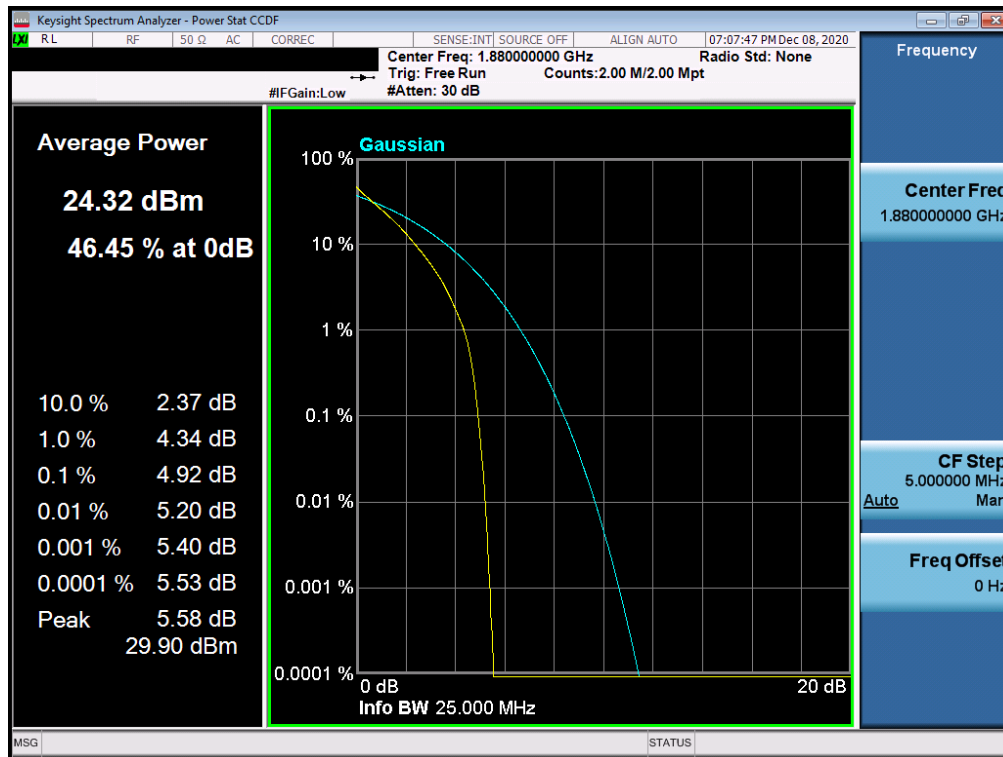
Plot 7-194. PAR Plot (LTE Band 25 - 1.4MHz 64-QAM - Full RB Configuration)



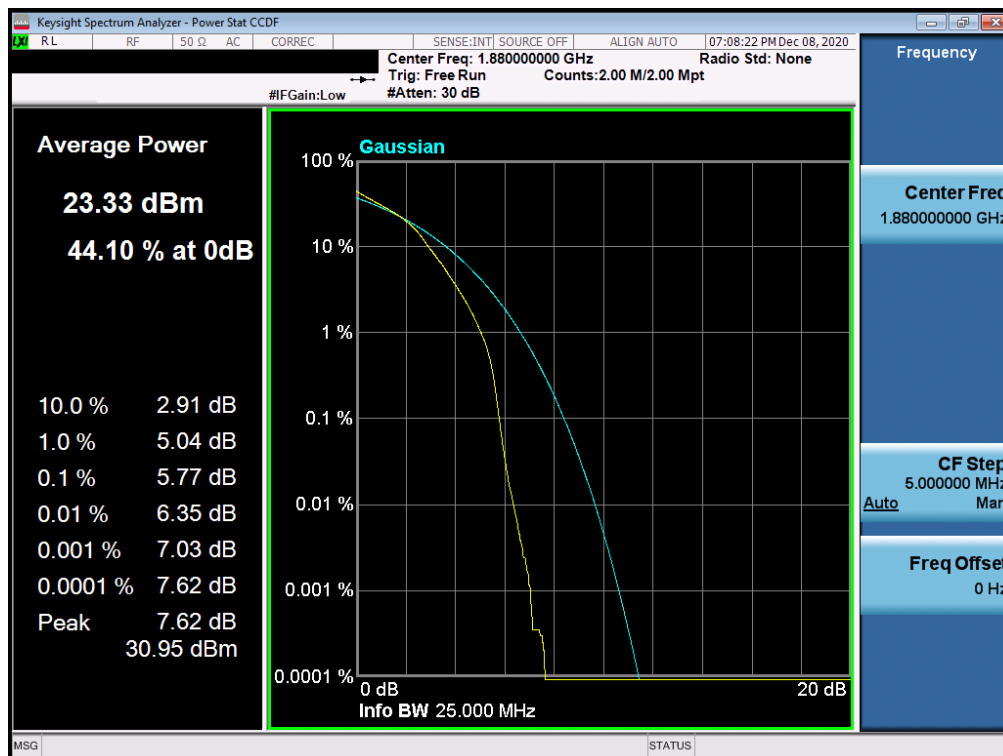
Plot 7-195. PAR Plot (LTE Band 25 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 118 of 196

LTE Band 2

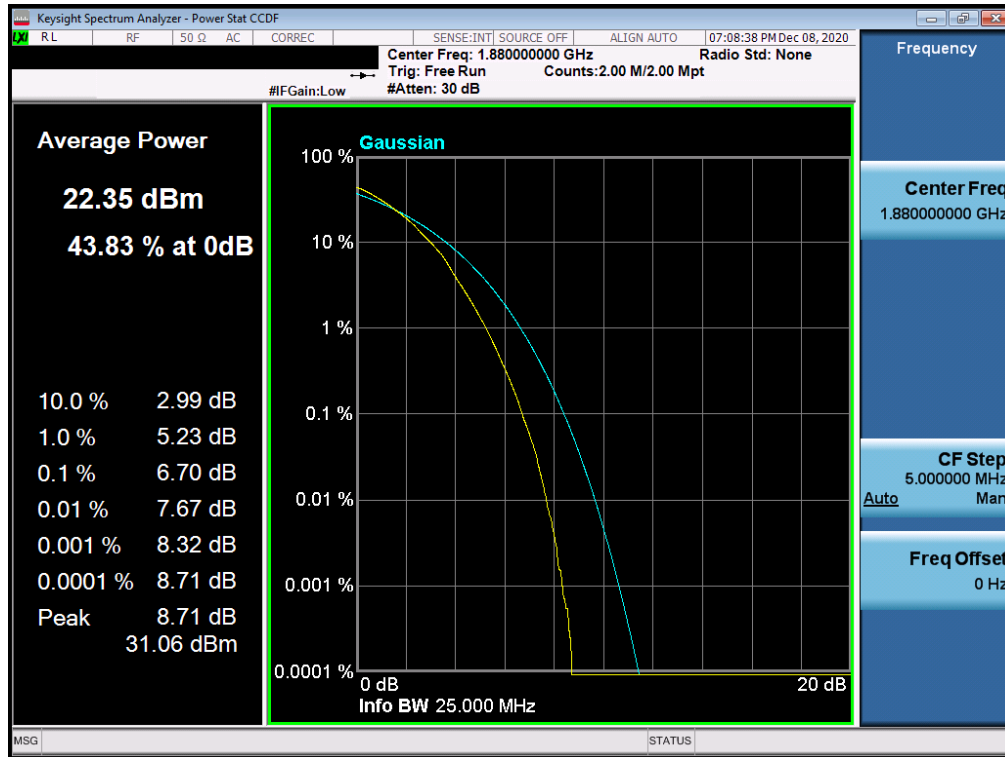


Plot 7-196. PAR Plot (LTE Band 2 - 20MHz QPSK - Full RB Configuration)

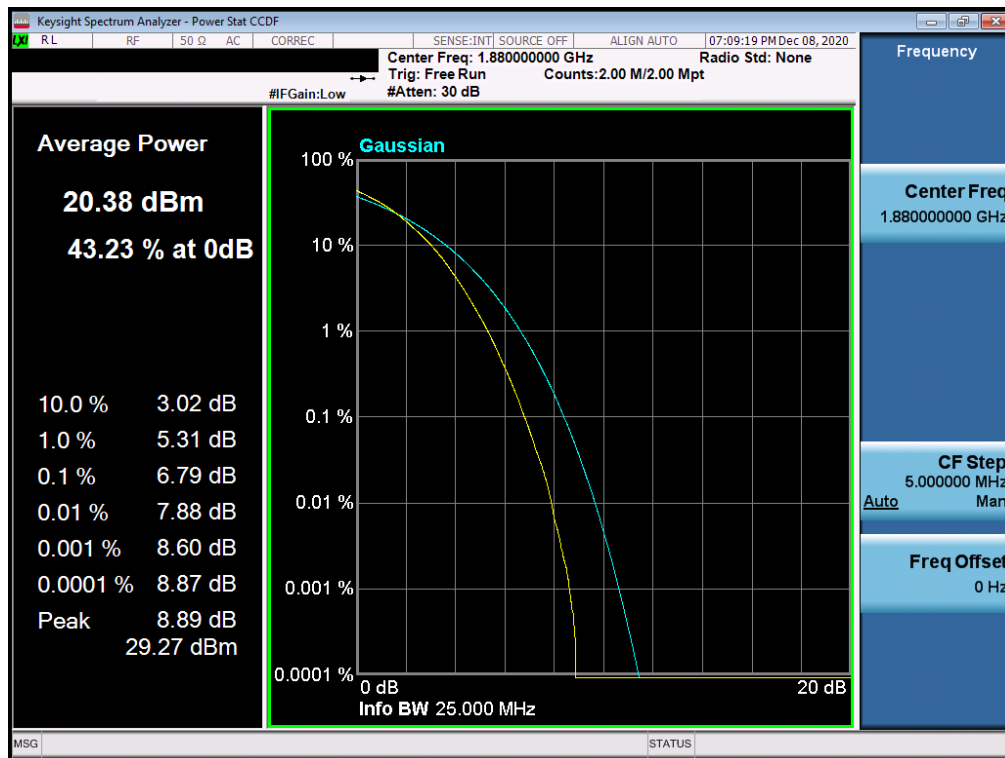


Plot 7-197. PAR Plot (LTE Band 2 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 119 of 196

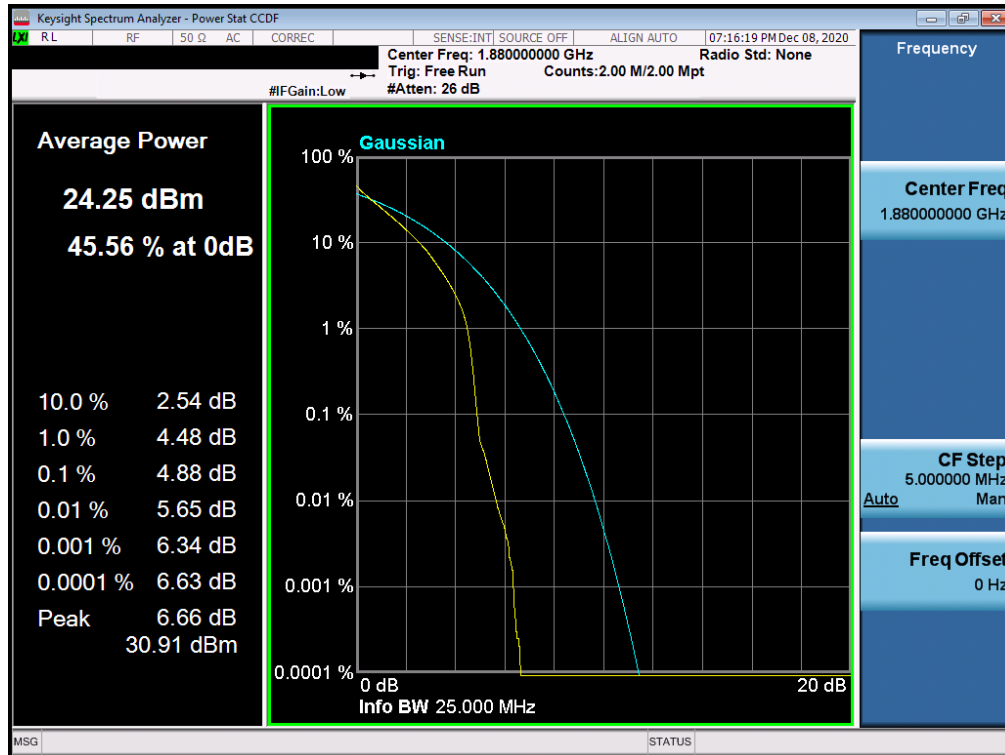


Plot 7-198. PAR Plot (LTE Band 2 - 20MHz 64-QAM - Full RB Configuration)

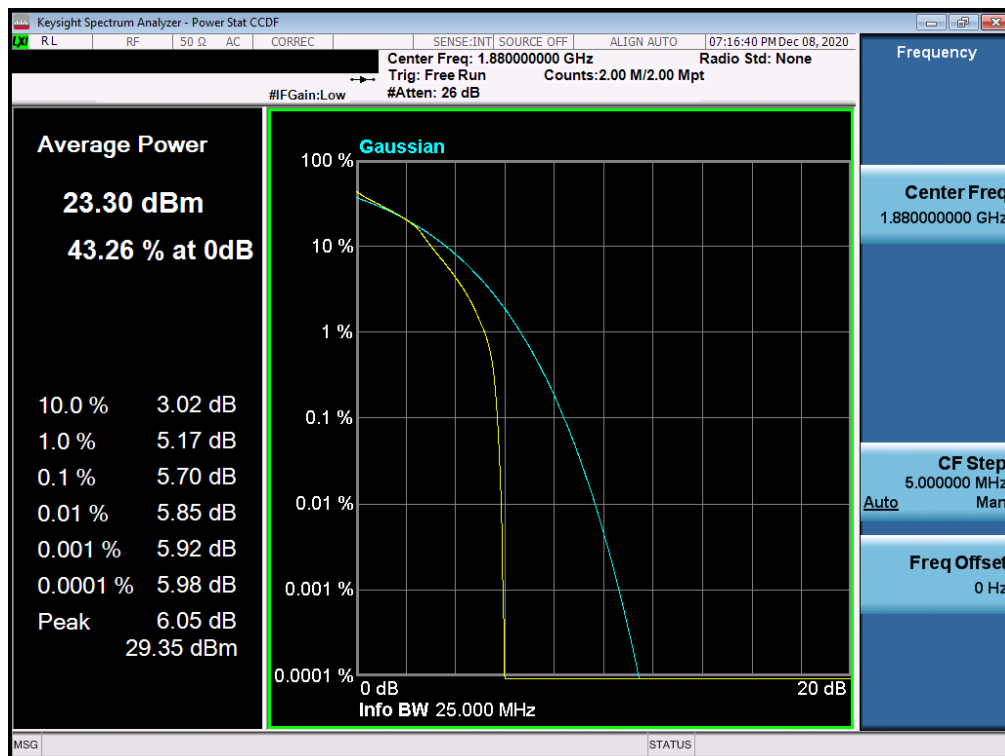


Plot 7-199. PAR Plot (LTE Band 2 - 20MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 120 of 196

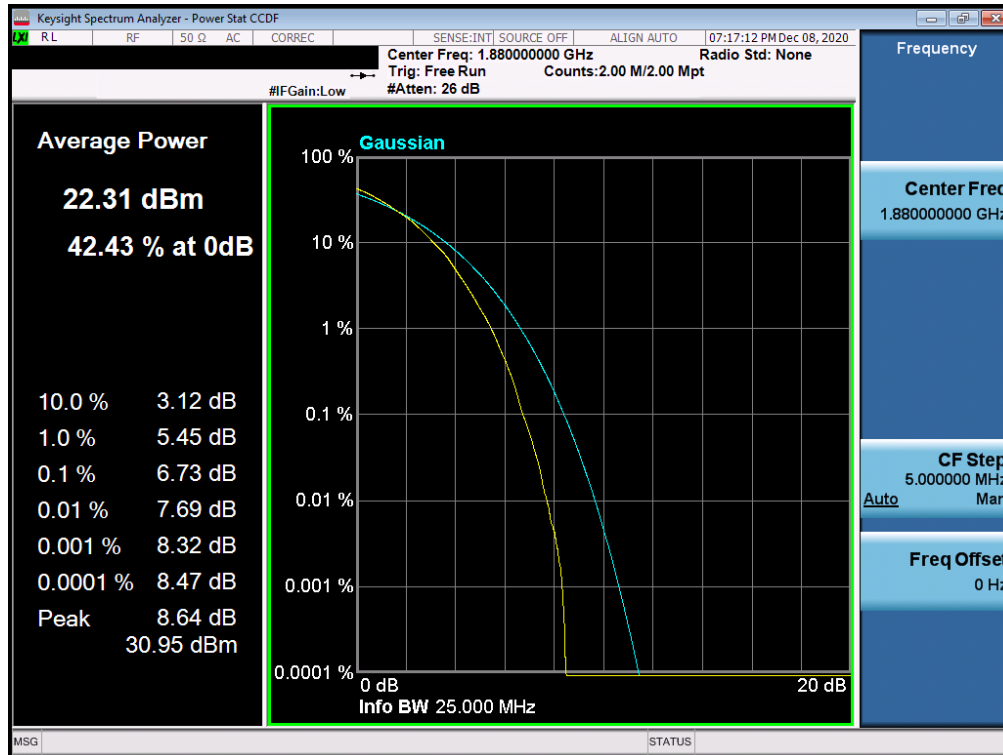


Plot 7-200. PAR Plot (LTE Band 2 - 15MHz QPSK - Full RB Configuration)

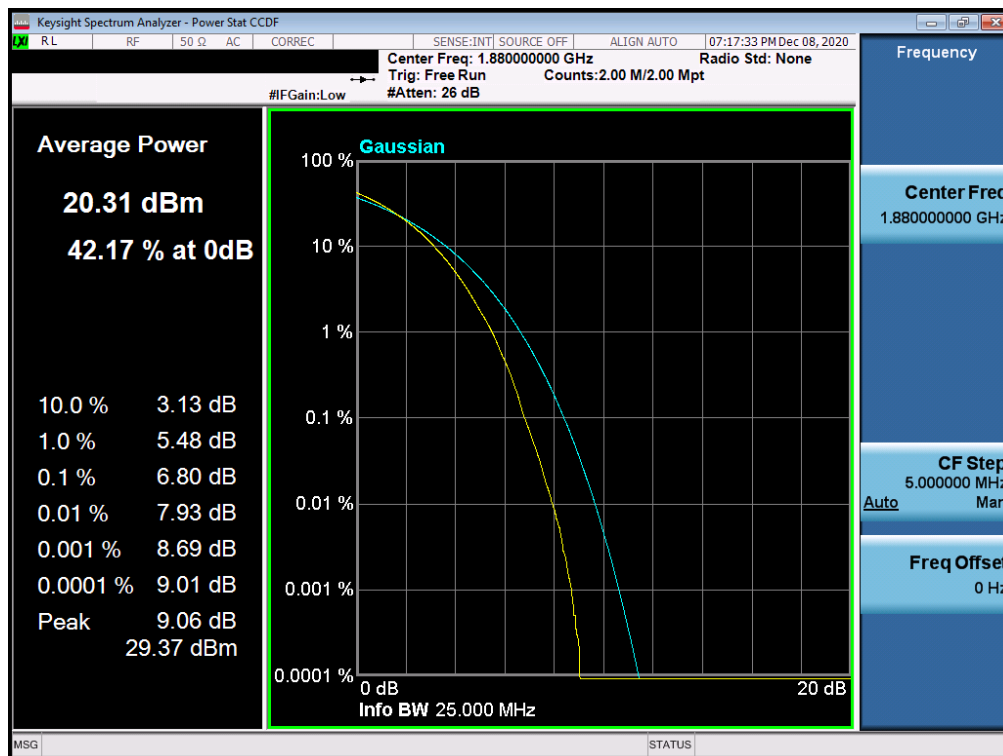


Plot 7-201. PAR Plot (LTE Band 2 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 121 of 196

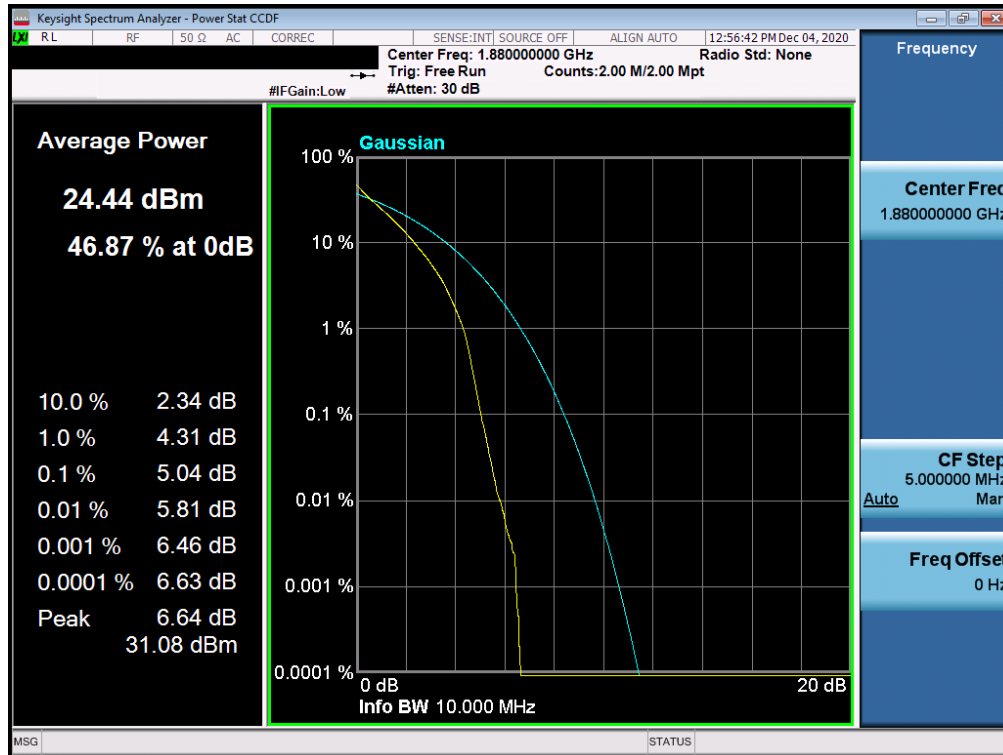


Plot 7-202. PAR Plot (LTE Band 2 - 15MHz 64-QAM - Full RB Configuration)

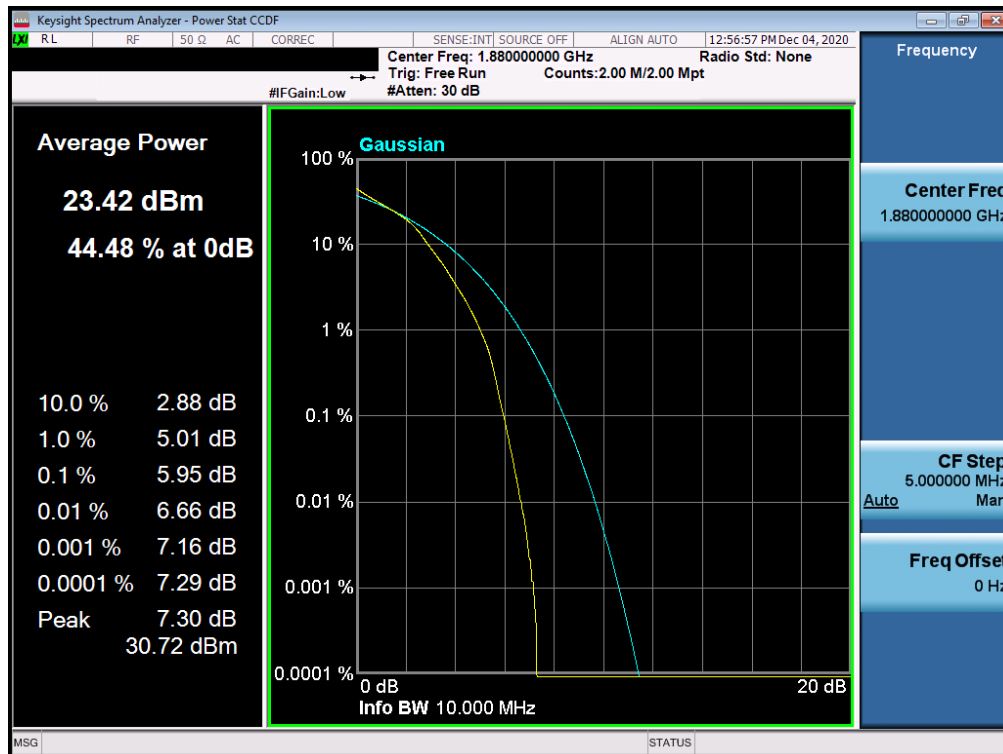


Plot 7-203. PAR Plot (LTE Band 2 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 122 of 196

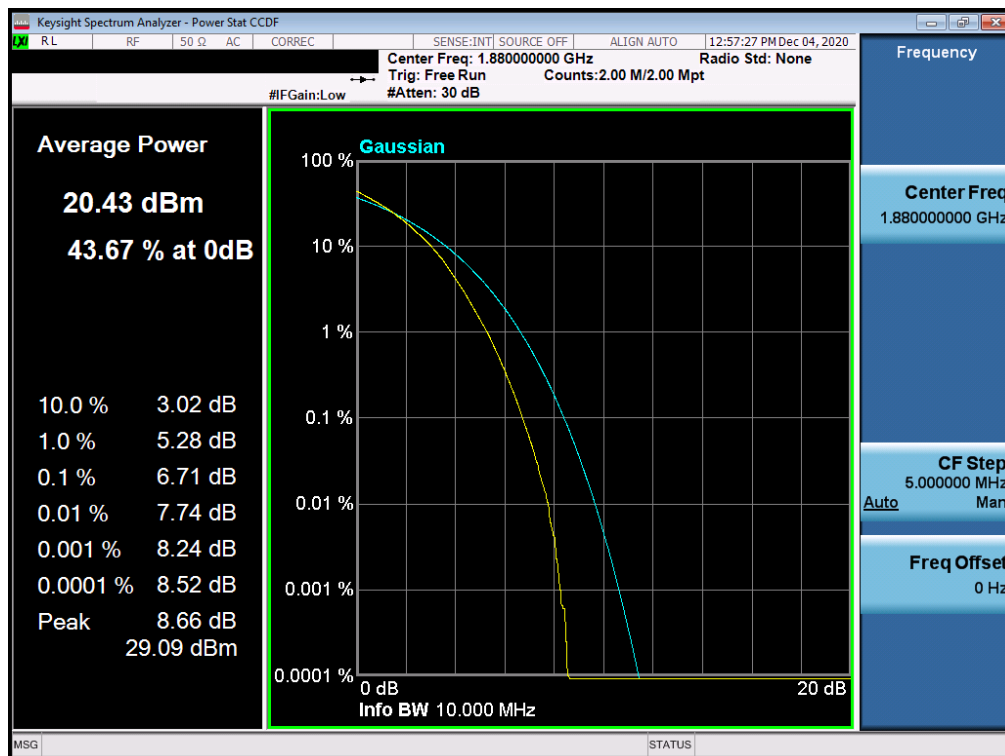
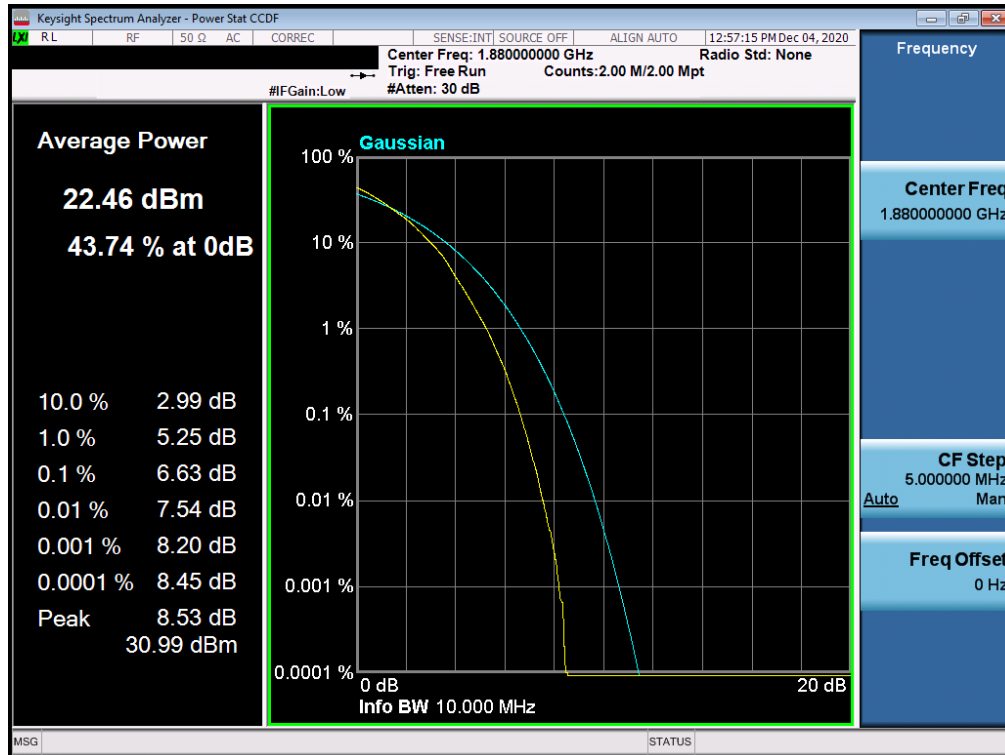


Plot 7-204. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)

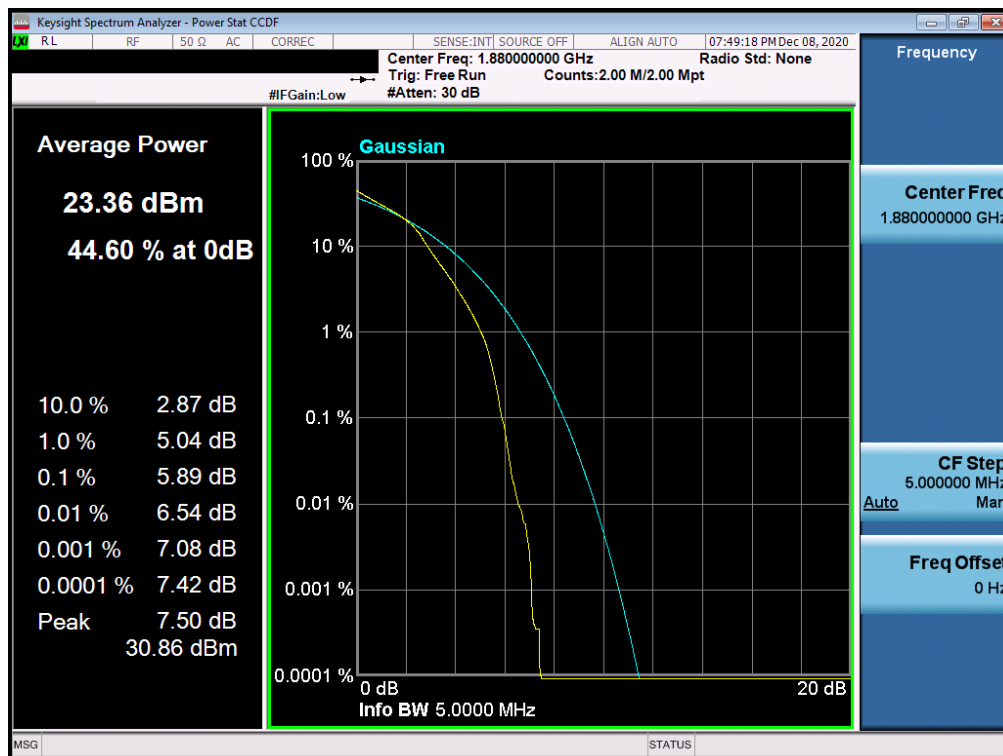
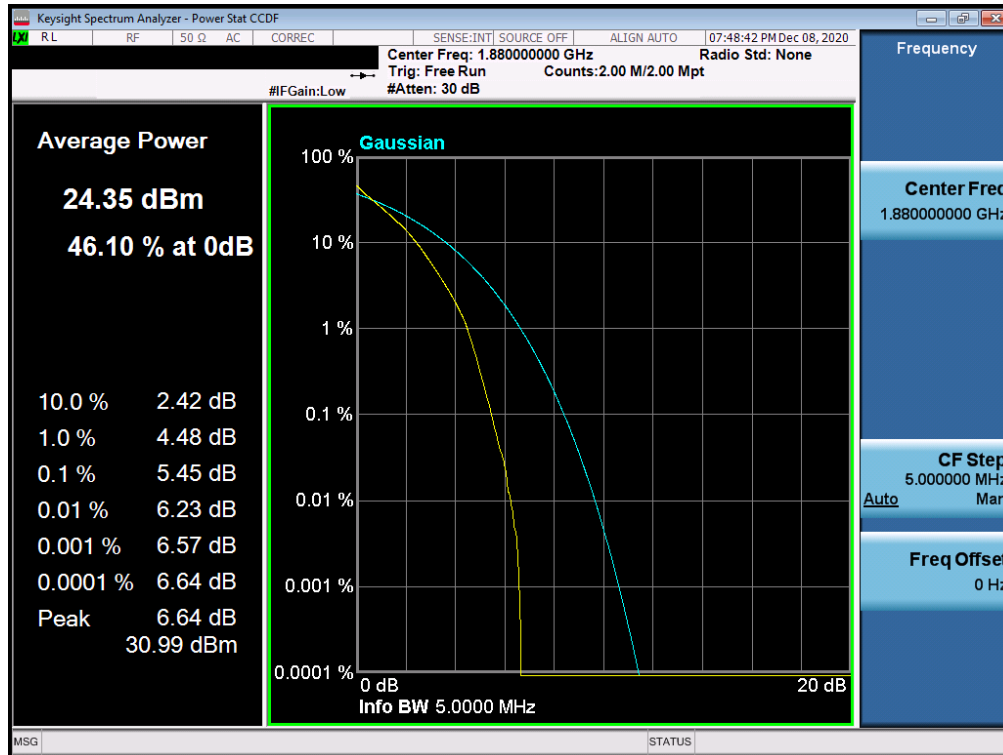


Plot 7-205. PAR Plot (LTE Band 2 - 10MHz 16-QAM - Full RB Configuration)

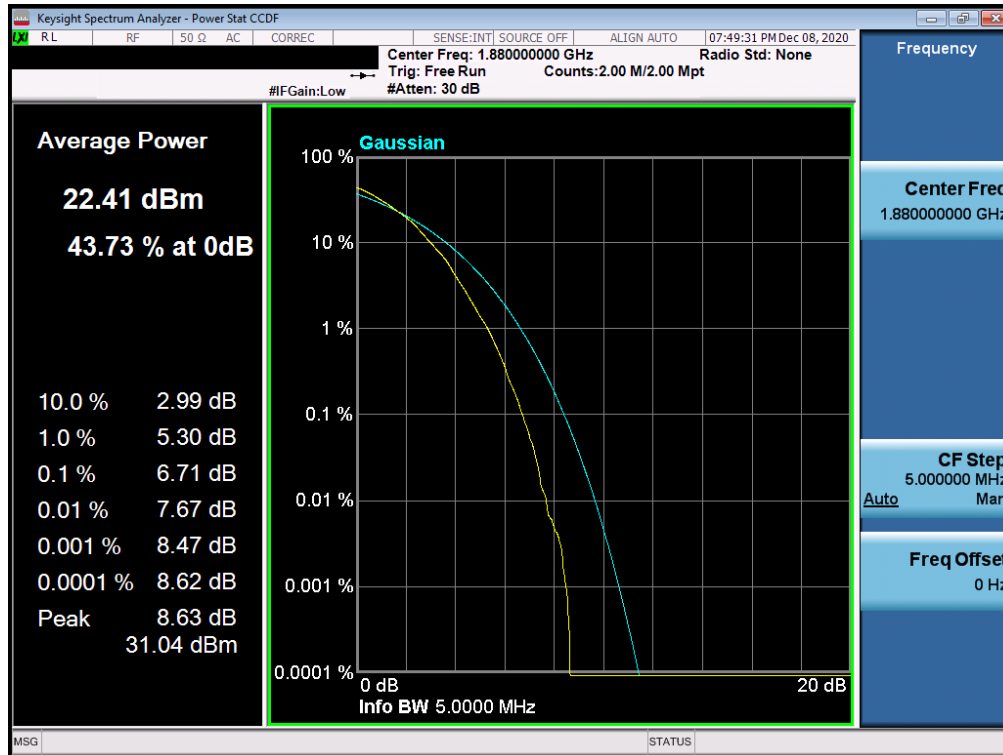
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 123 of 196



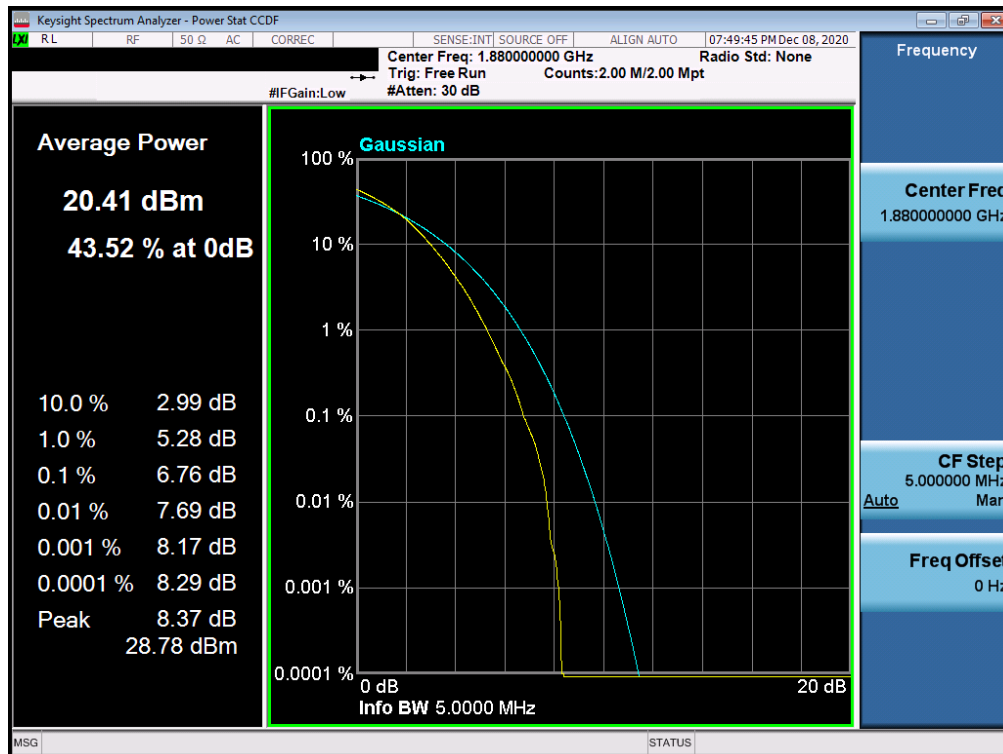
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 124 of 196



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 125 of 196

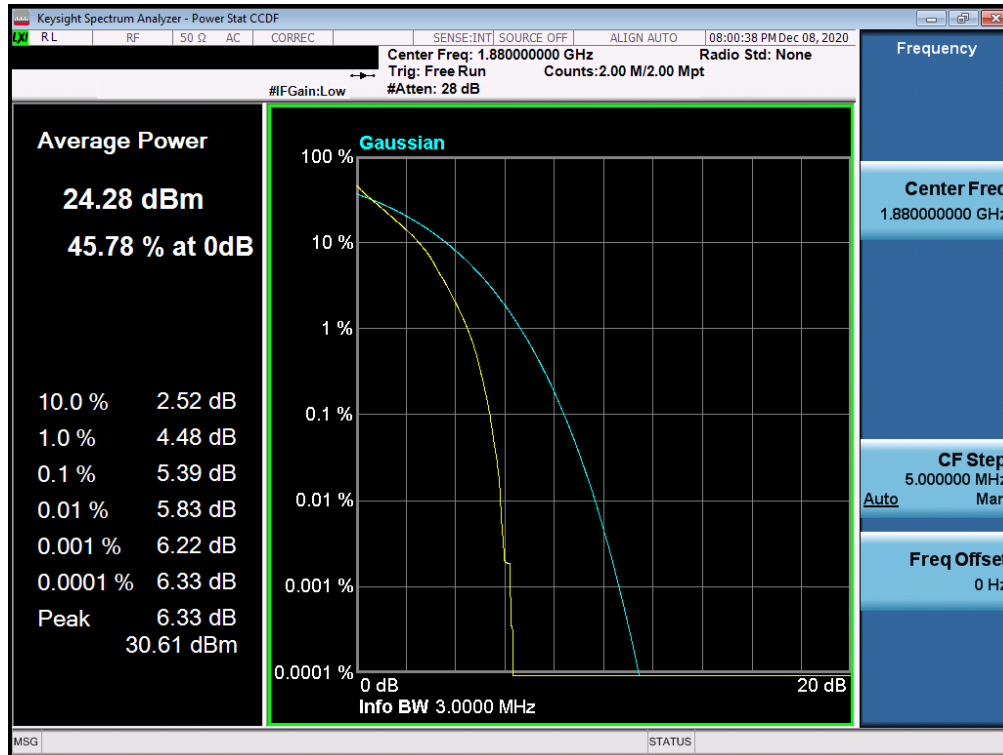


Plot 7-210. PAR Plot (LTE Band 2 - 5MHz 64-QAM - Full RB Configuration)

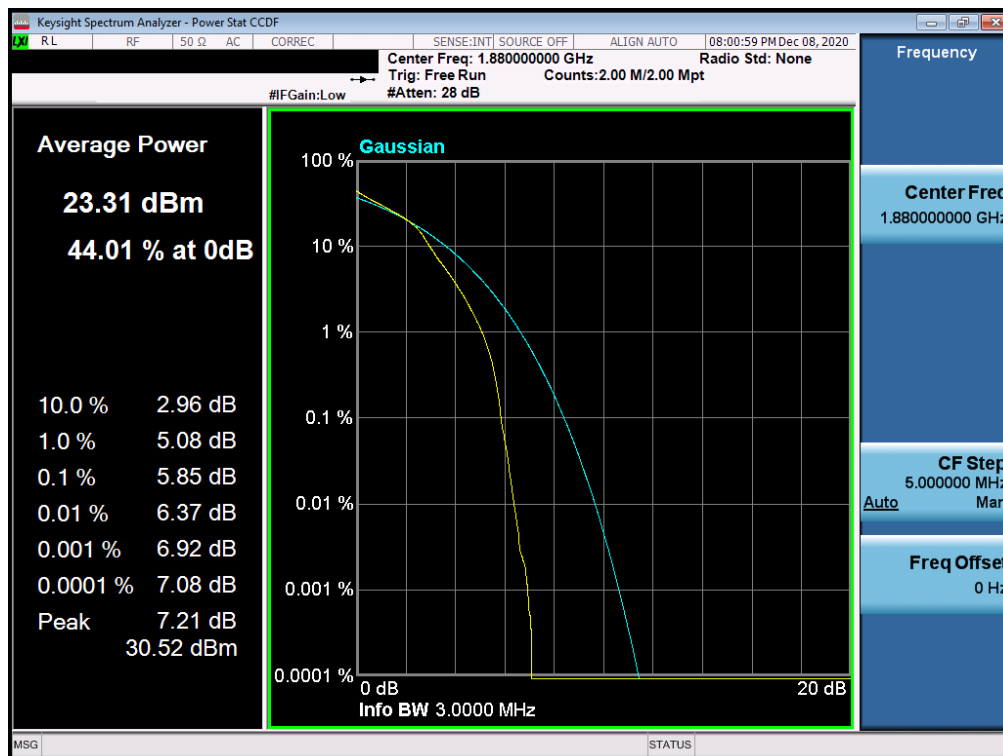


Plot 7-211. PAR Plot (LTE Band 2 - 5MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 126 of 196

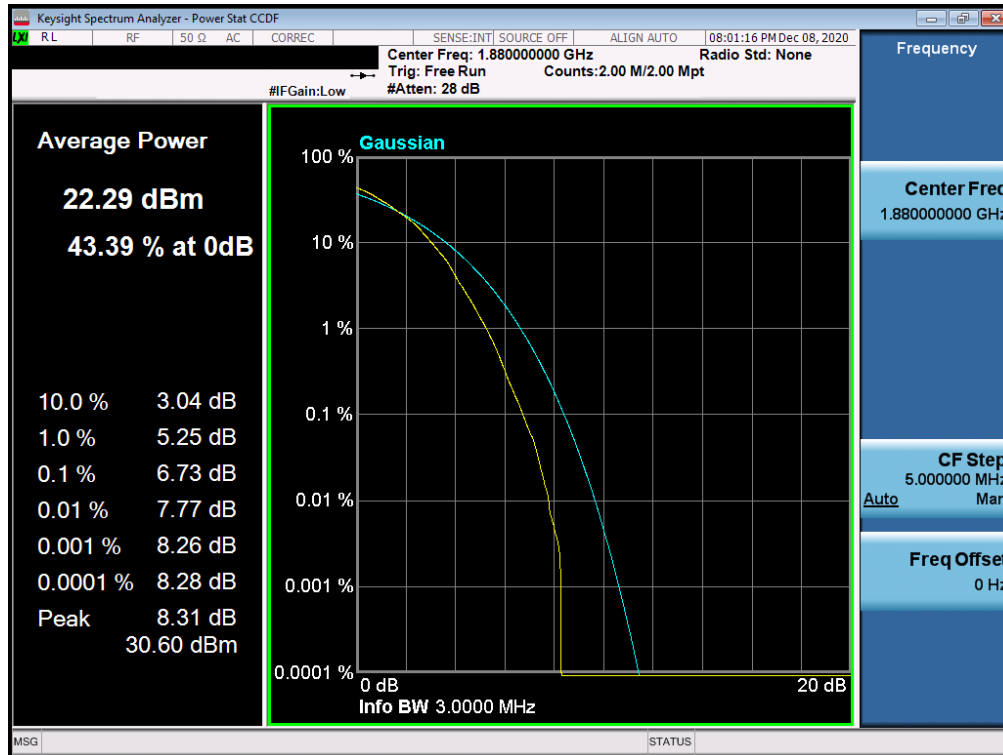


Plot 7-212. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB Configuration)

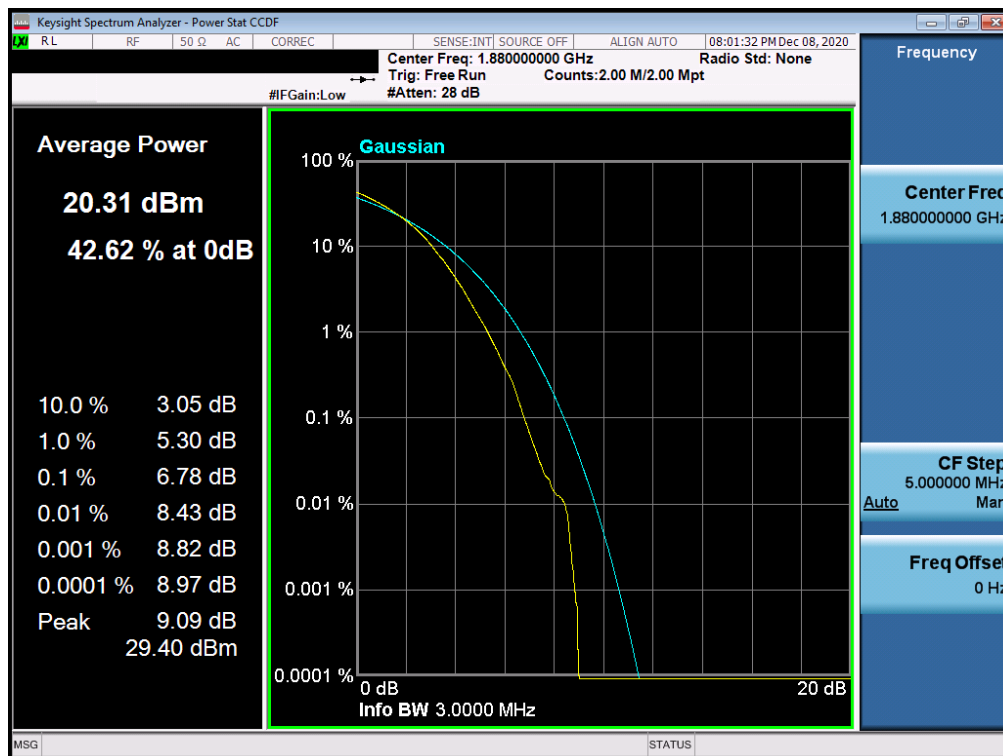


Plot 7-213. PAR Plot (LTE Band 2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 127 of 196

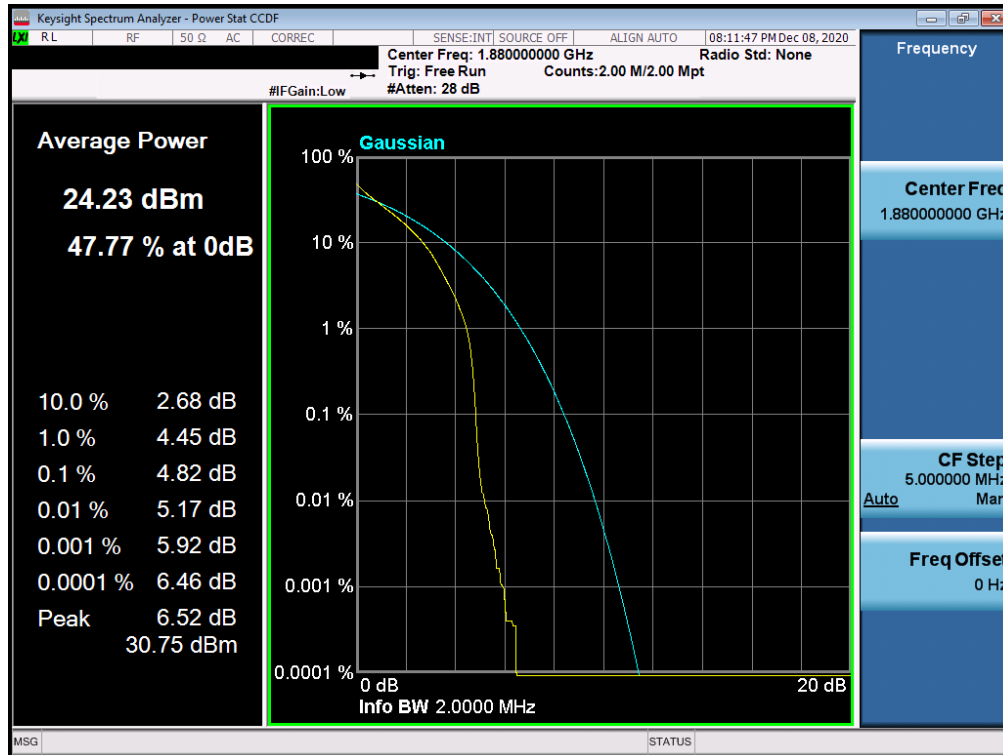


Plot 7-214. PAR Plot (LTE Band 2 - 3MHz 64-QAM - Full RB Configuration)

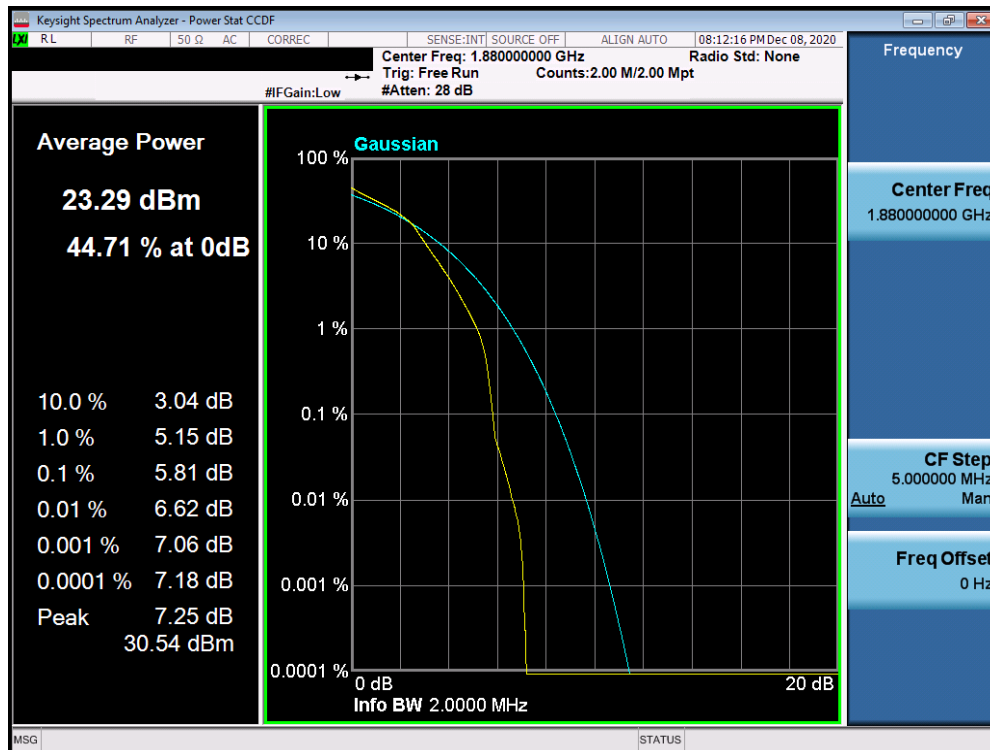


Plot 7-215. PAR Plot (LTE Band 2 - 3MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 128 of 196

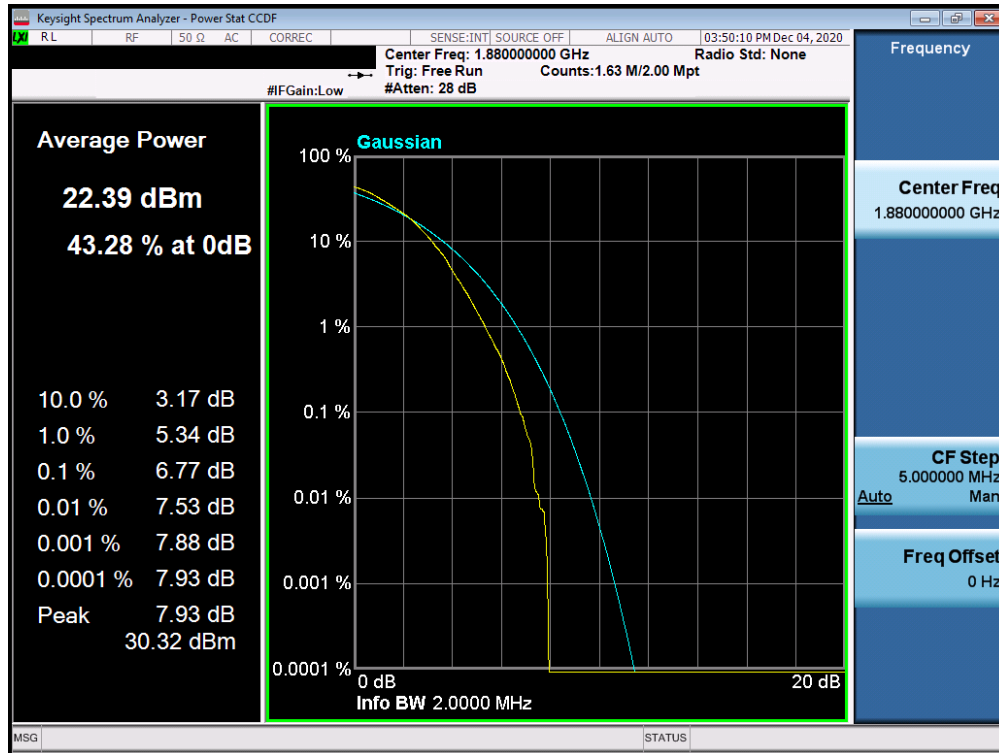


Plot 7-216. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB Configuration)

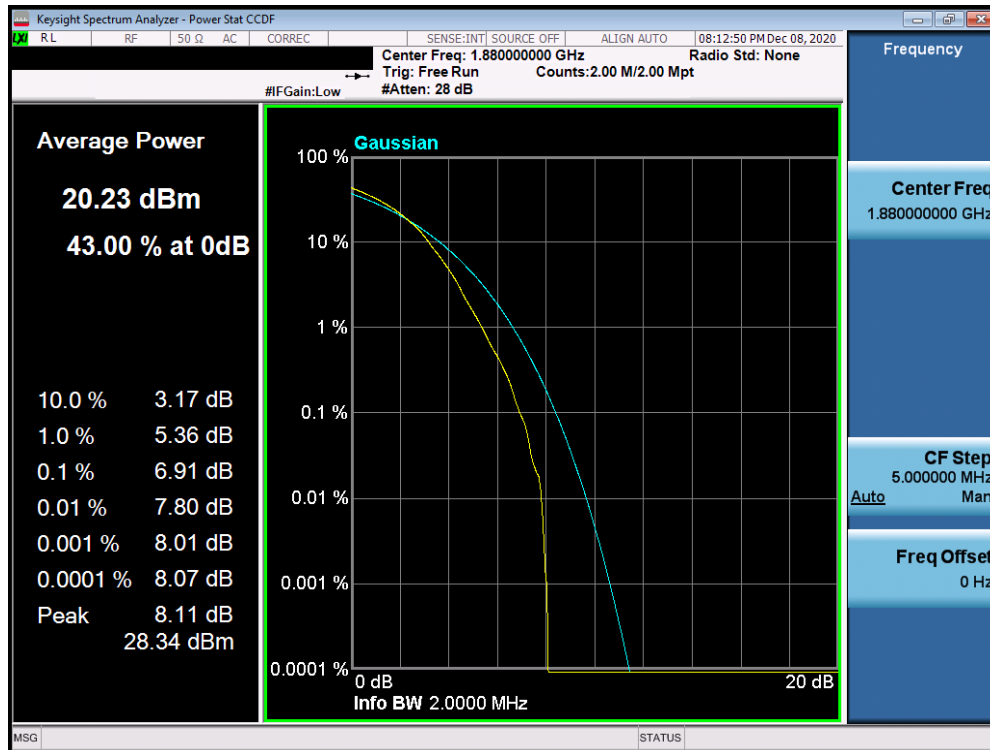


Plot 7-217. PAR Plot (LTE Band 2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 129 of 196



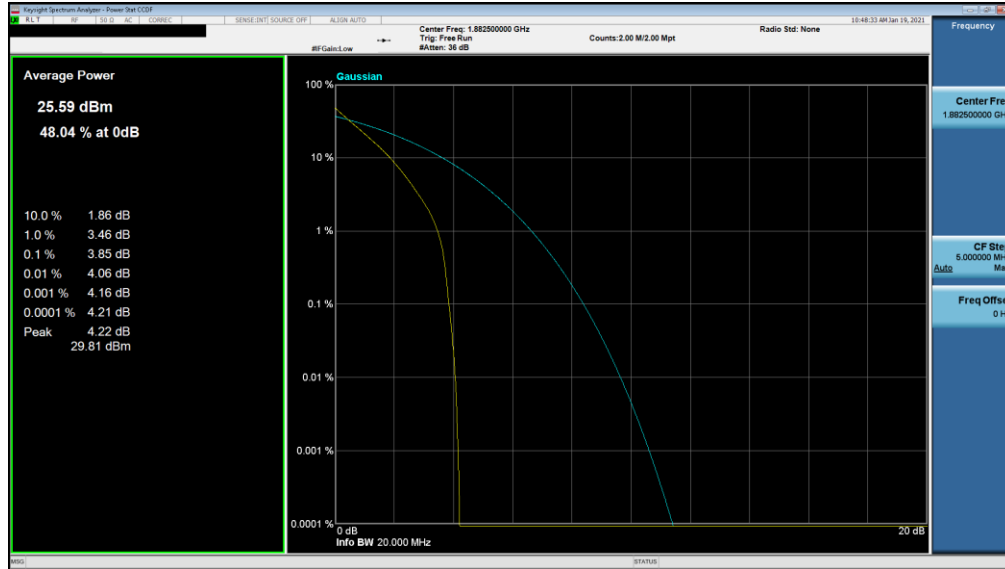
Plot 7-218. PAR Plot (LTE Band 2 - 1.4MHz 64-QAM - Full RB Configuration)



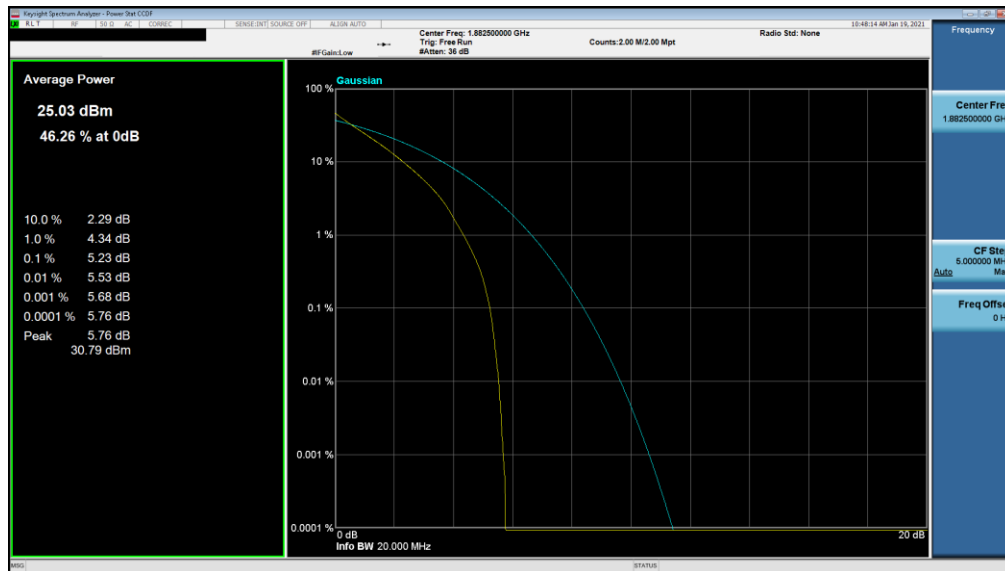
Plot 7-219. PAR Plot (LTE Band 2 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 130 of 196

NR Band n25

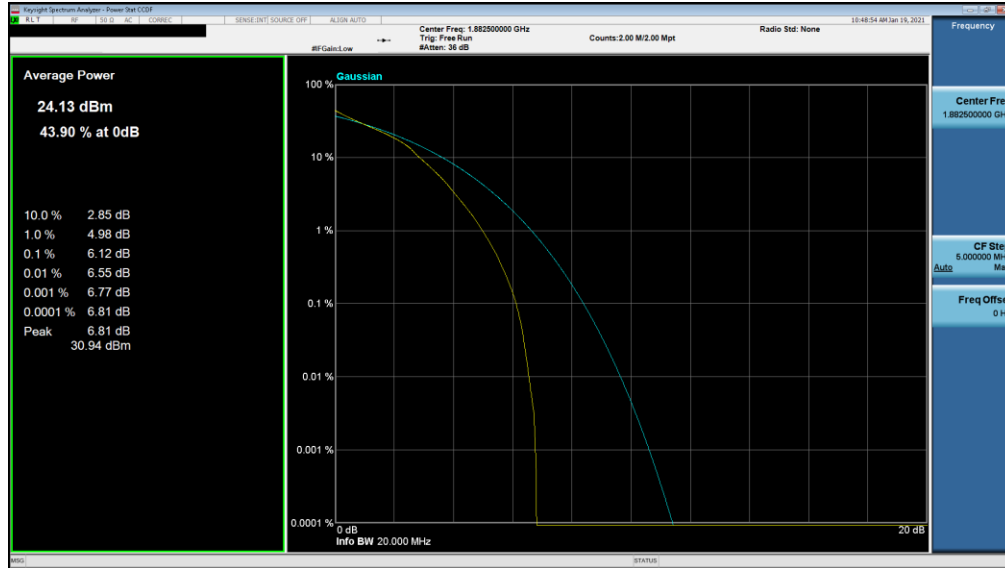


Plot 7-220. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

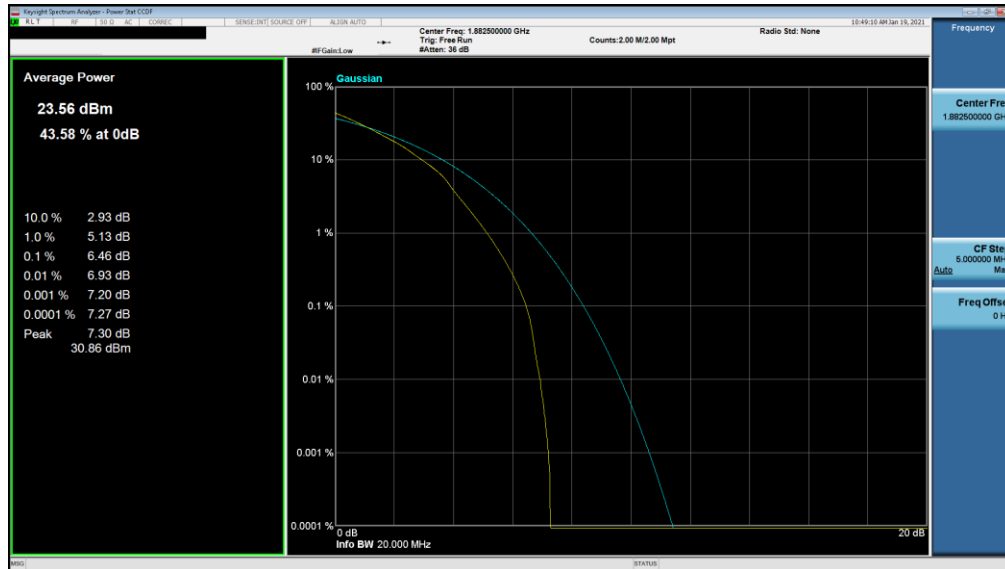


Plot 7-221. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 131 of 196



Plot 7-222. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM 16-QAM - Full RB)



Plot 7-223. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2301	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020002-03.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 132 of 196