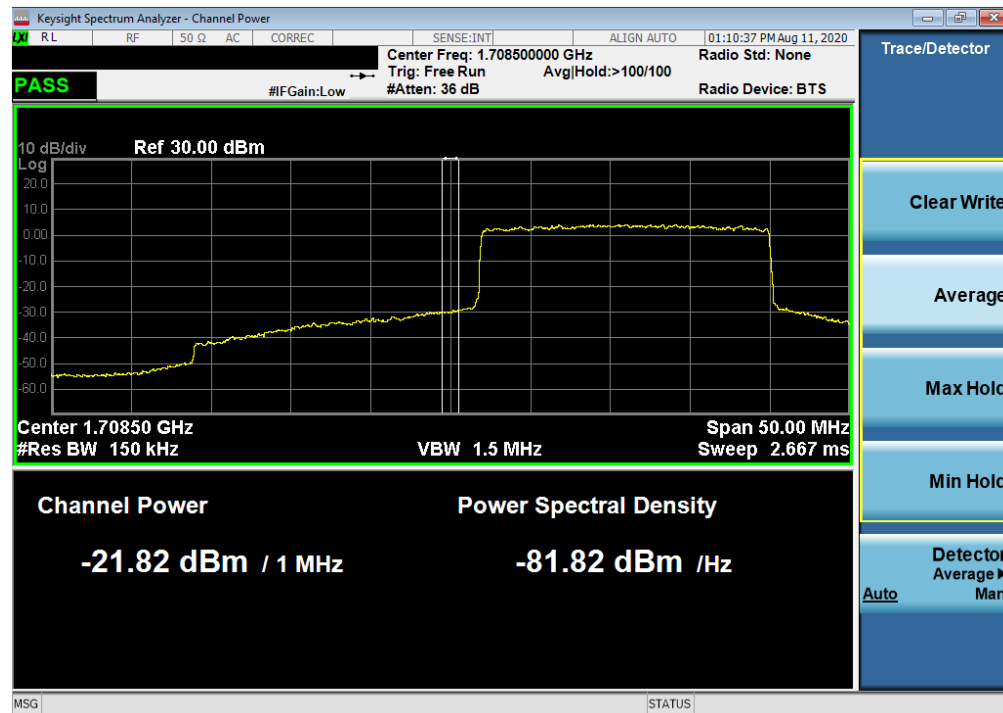


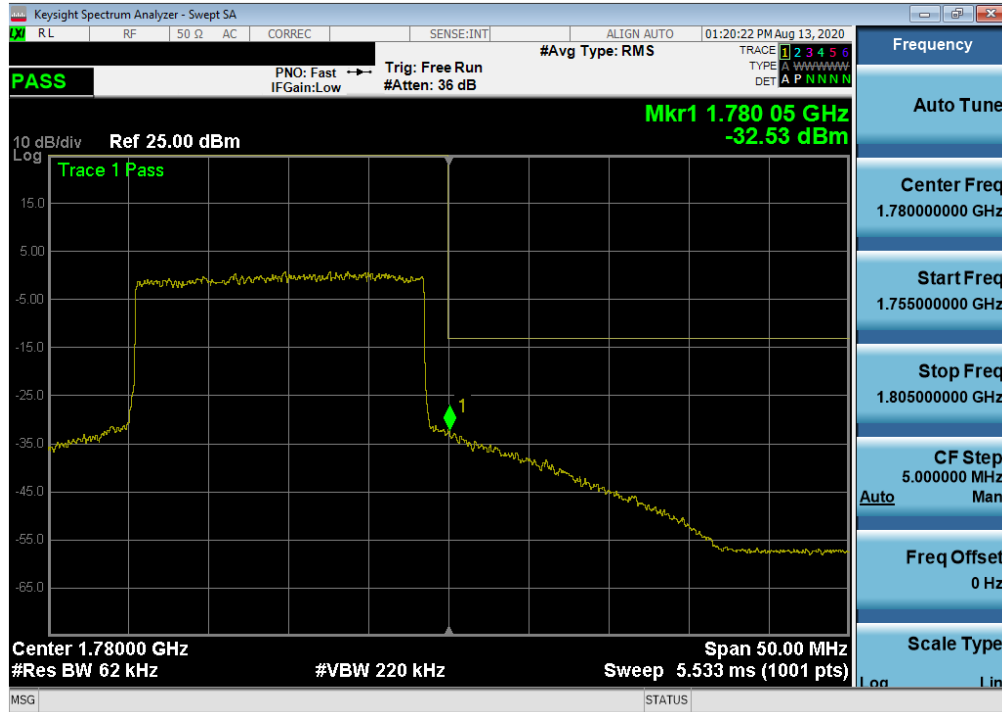


Plot 7-414. Lower Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

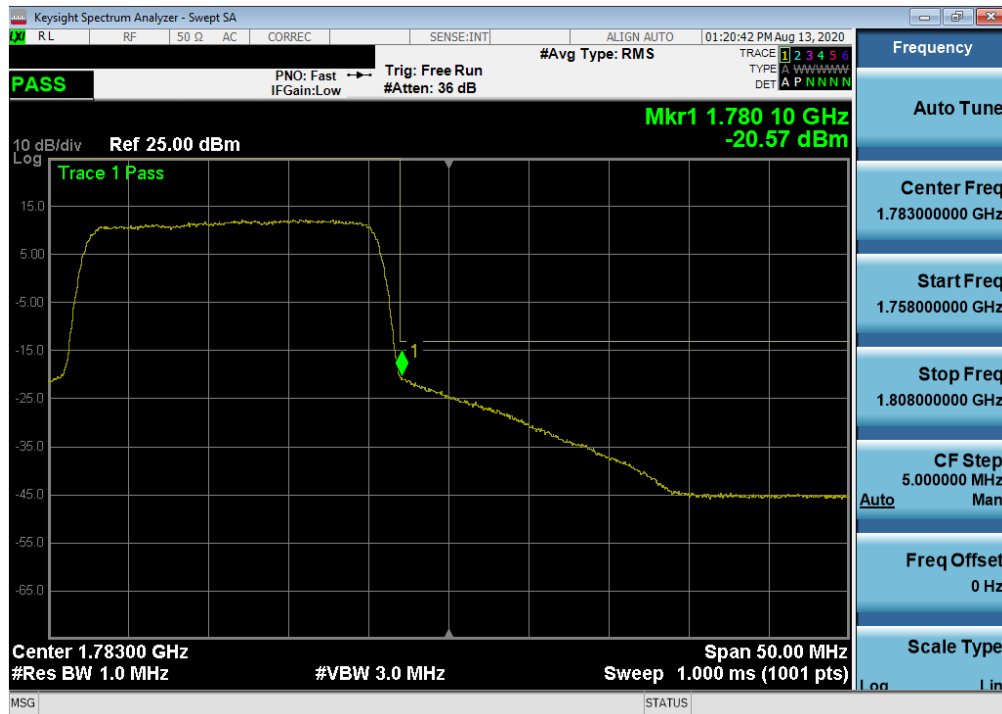


Plot 7-415. Lower Extended Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 234 of 386



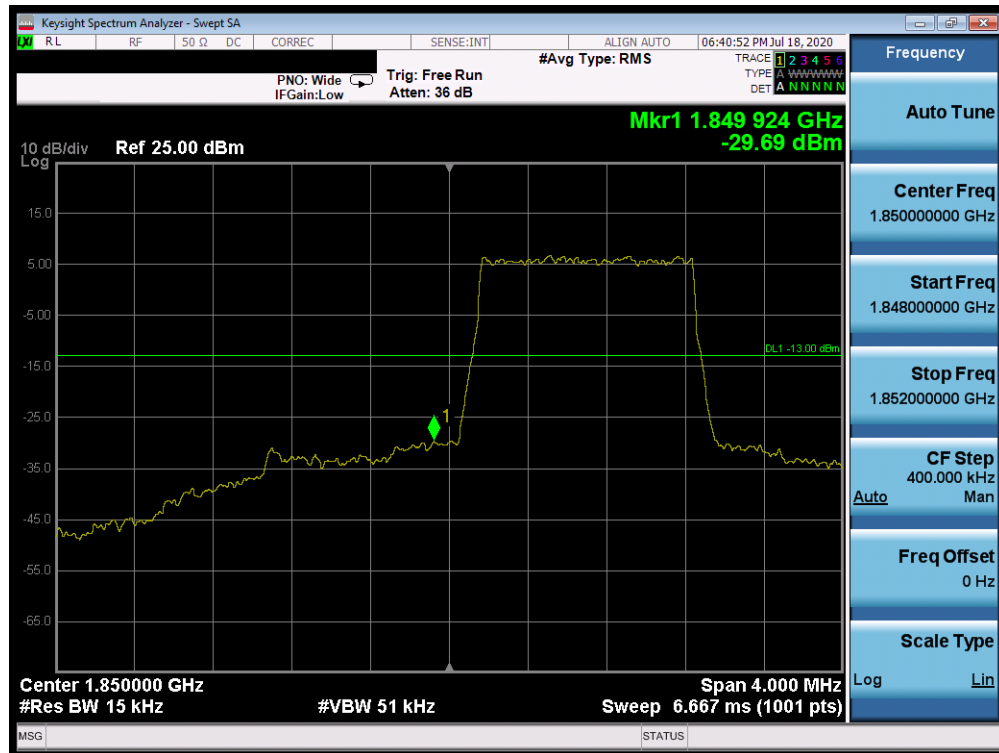
Plot 7-416. Upper Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)



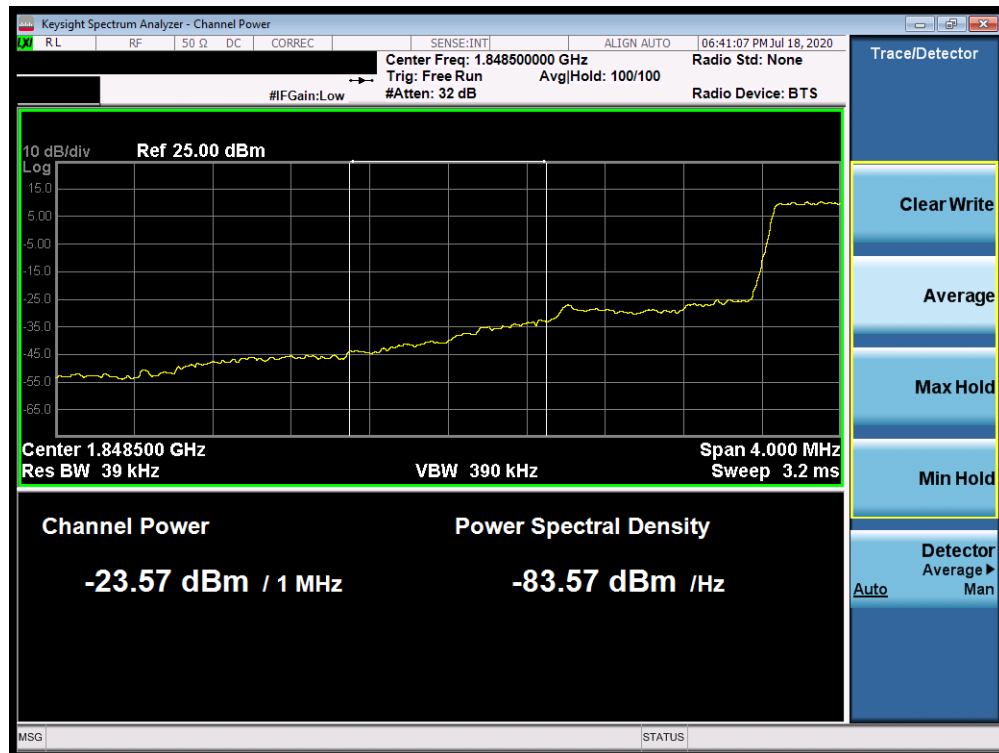
Plot 7-417. Upper Extended Band Edge Plot (NR Band n66 – 20.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 235 of 386

Band 25/2

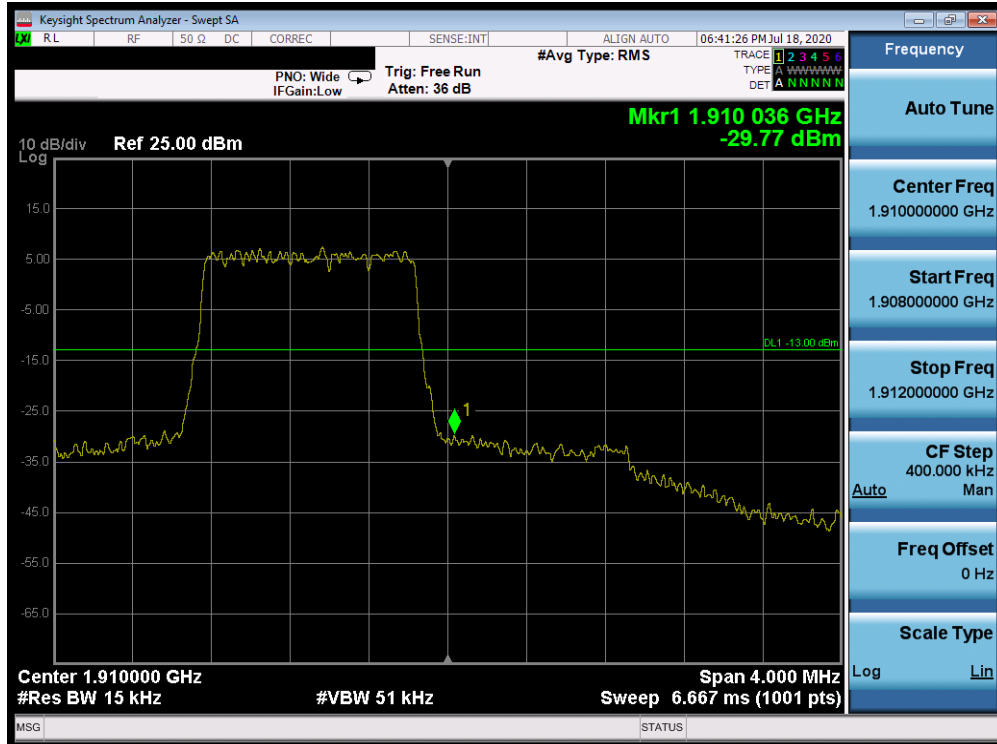


Plot 7-418. Lower Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

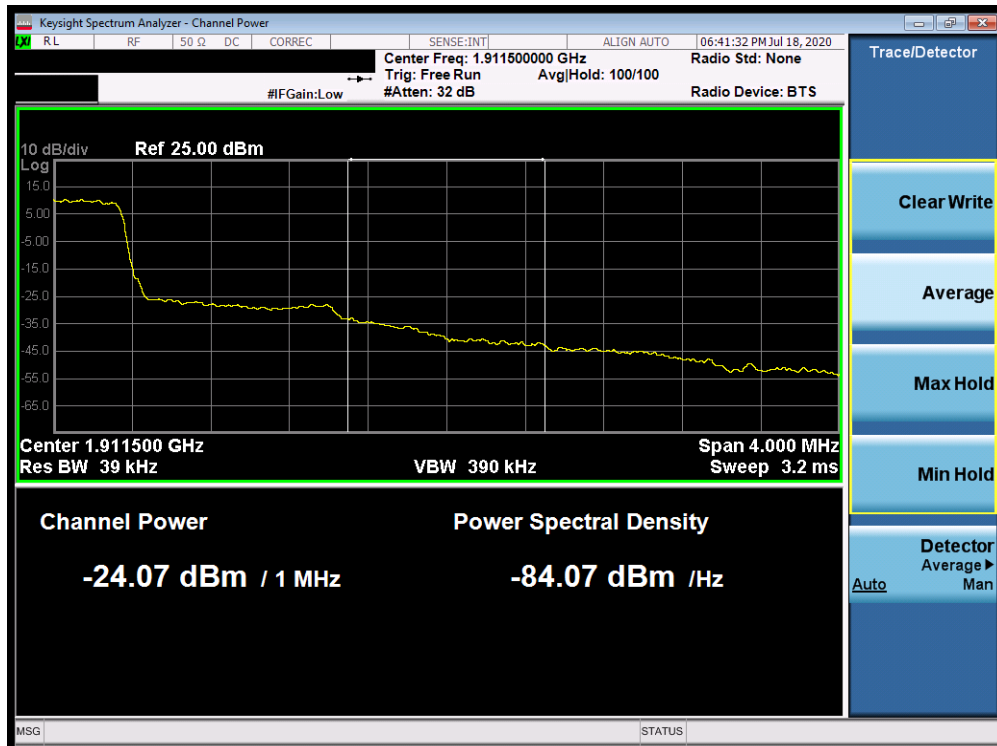


Plot 7-419. Lower Extended Band Edge Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 236 of 386

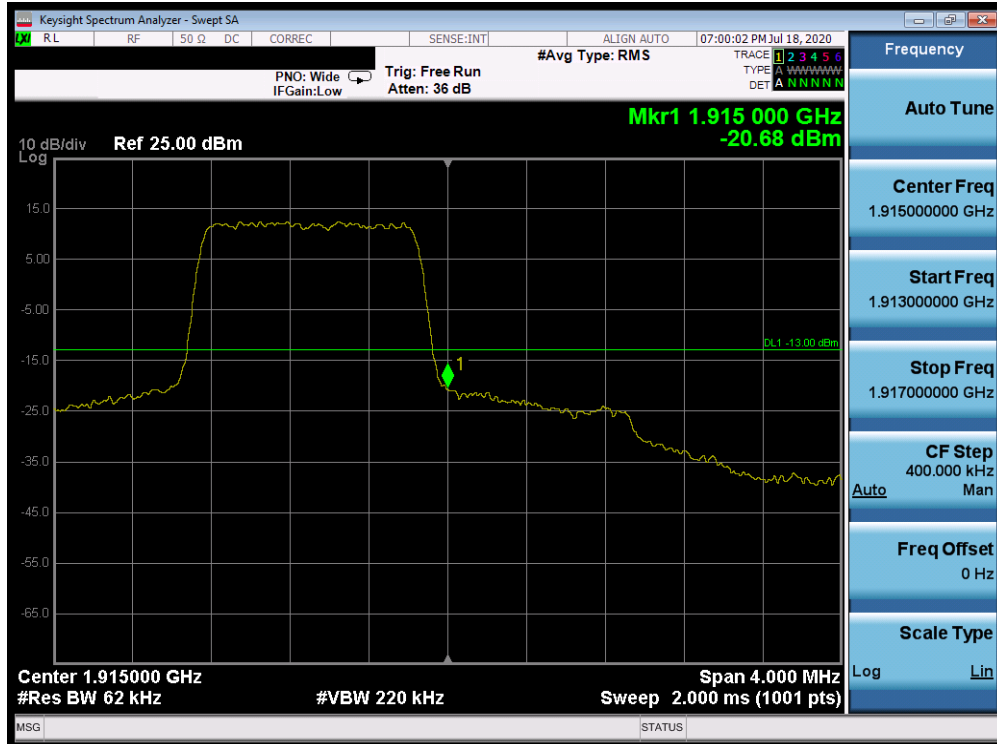


Plot 7-420. Upper Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

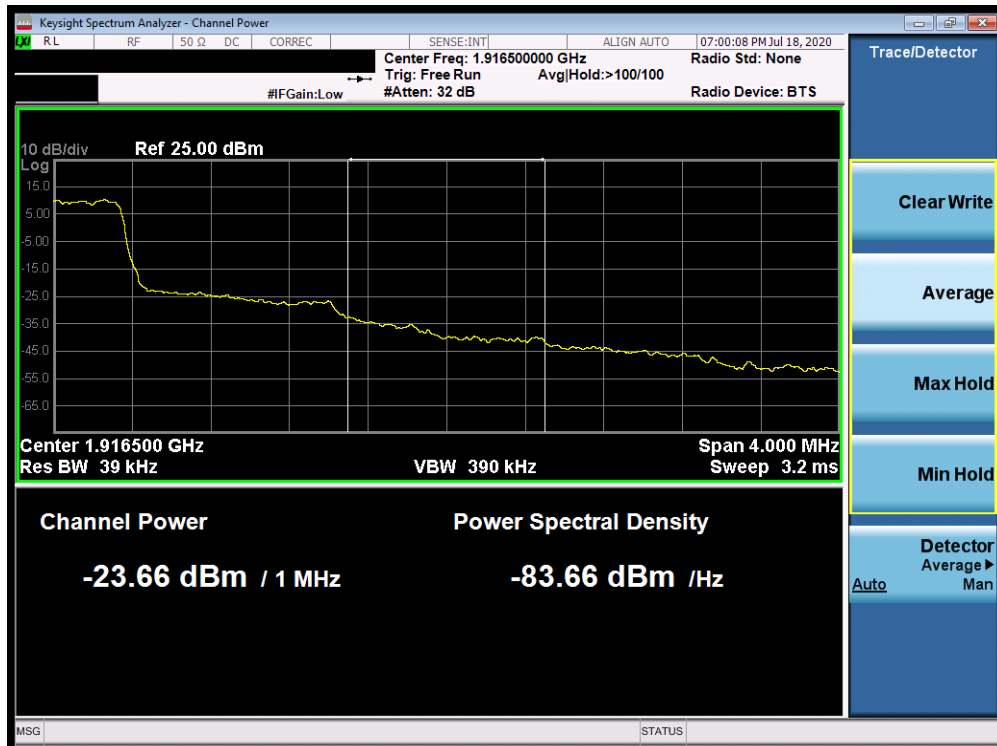


Plot 7-421. Upper Extended Band Edge Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 237 of 386

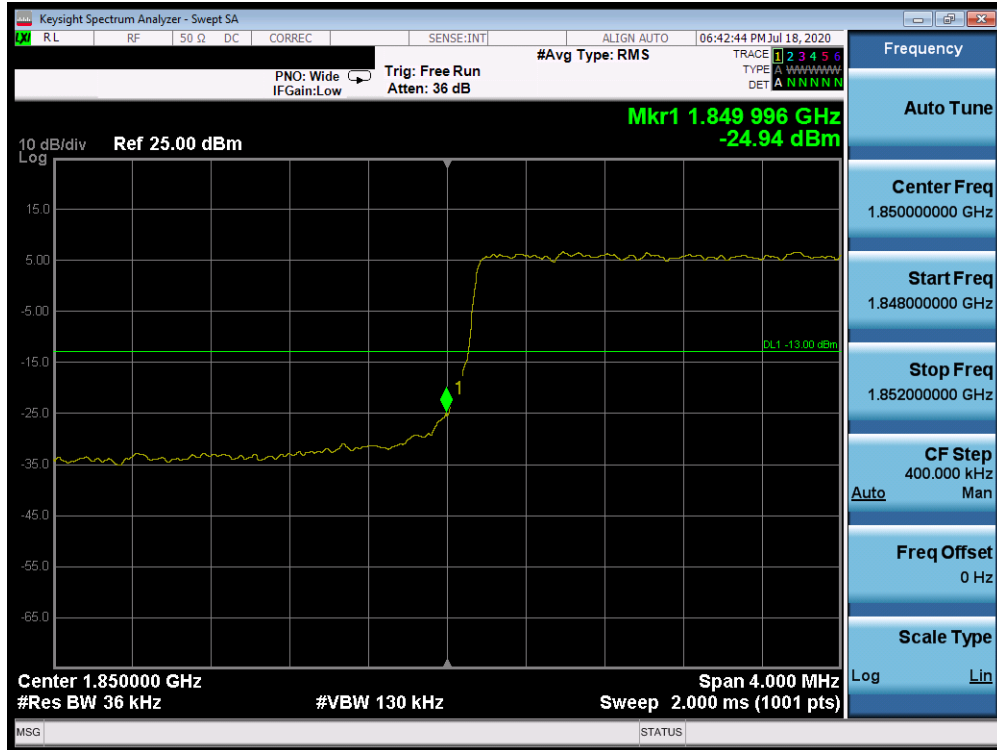


Plot 7-422. Upper Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

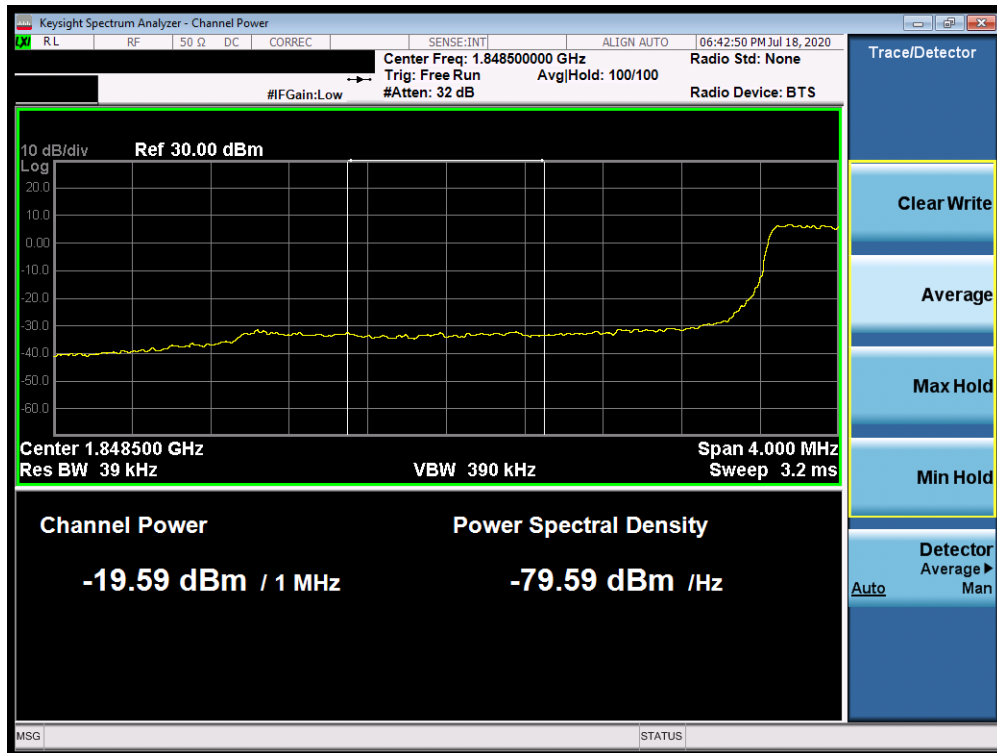


Plot 7-423. Upper Extended Band Edge Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 238 of 386

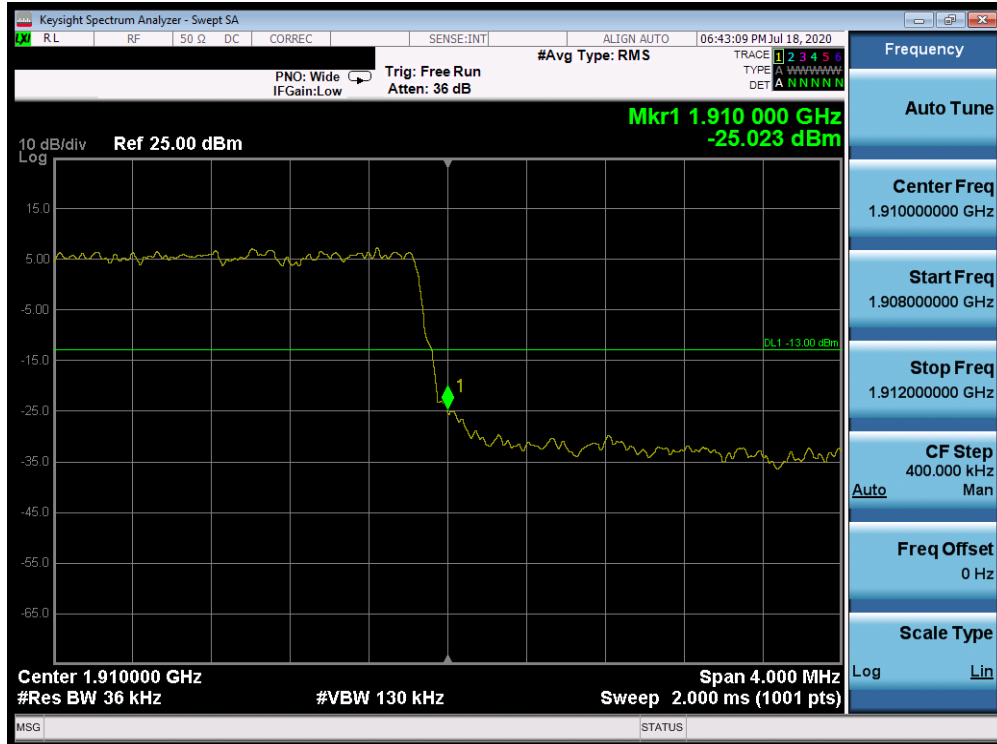


Plot 7-424. Lower Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

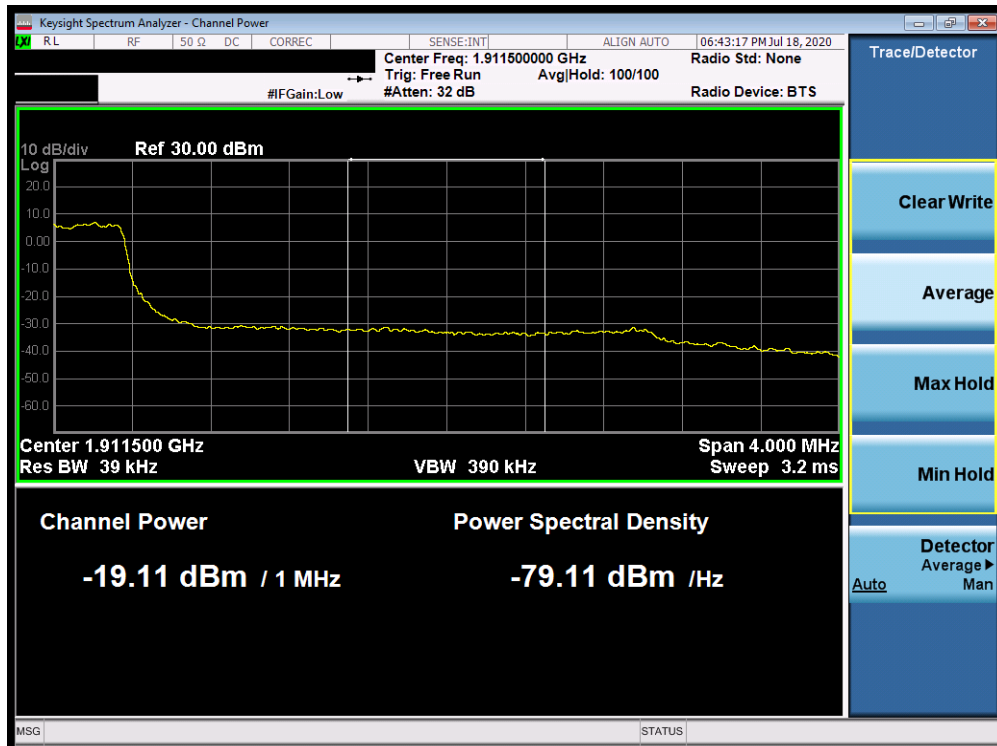


Plot 7-425. Lower Extended Band Edge Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 239 of 386

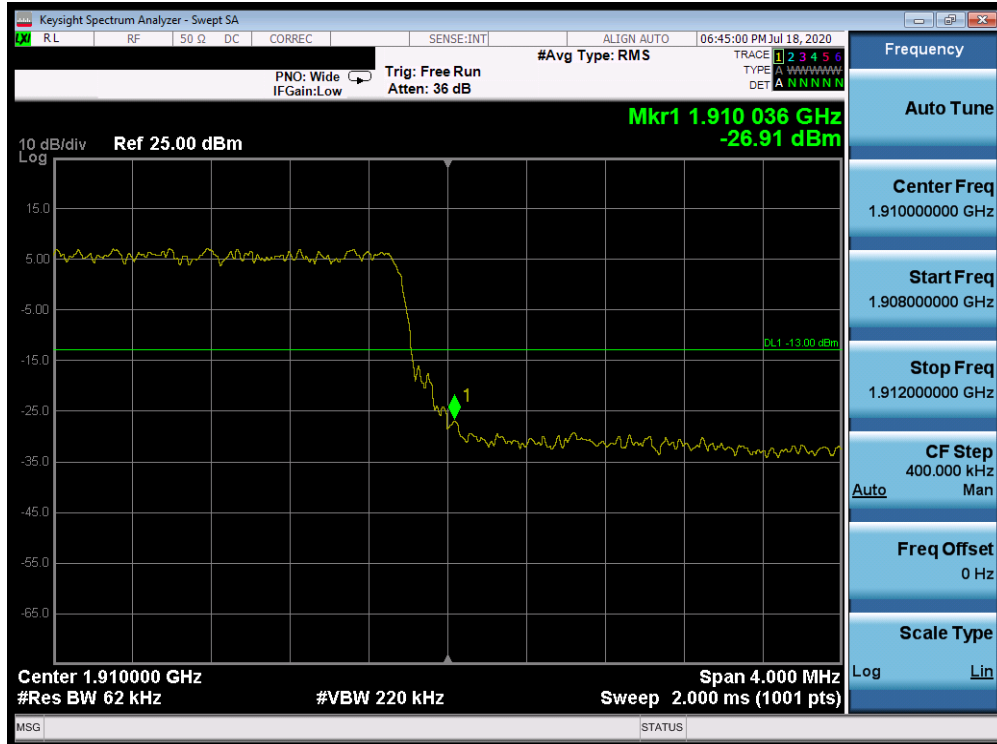


Plot 7-426. Upper Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

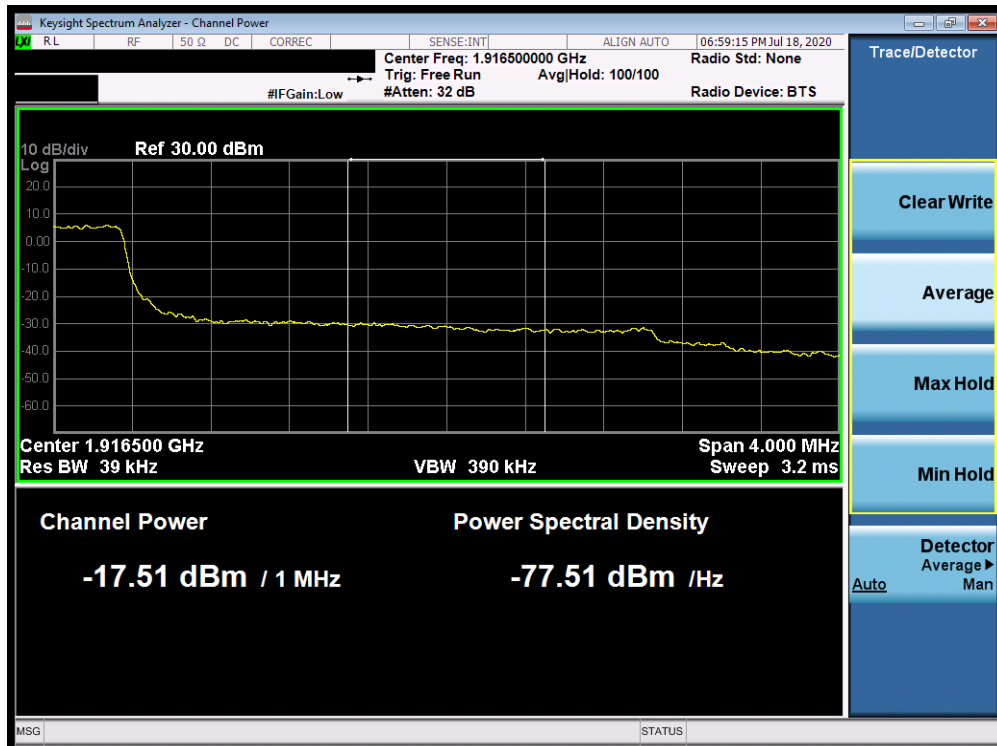


Plot 7-427. Upper Extended Band Edge Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 240 of 386

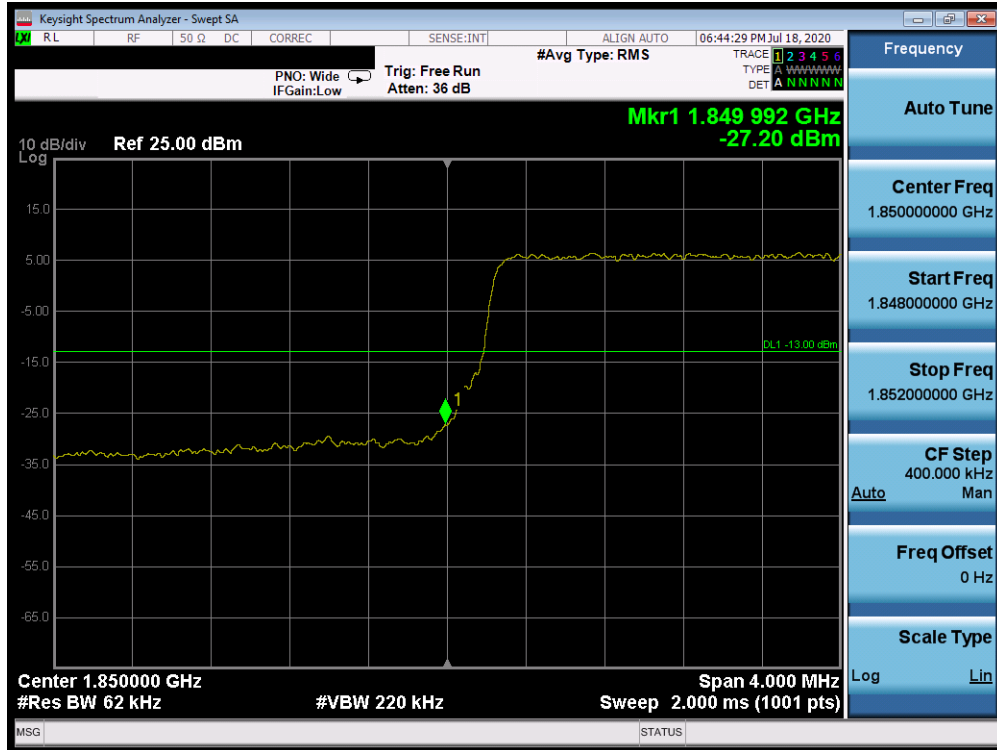


Plot 7-428. Upper Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

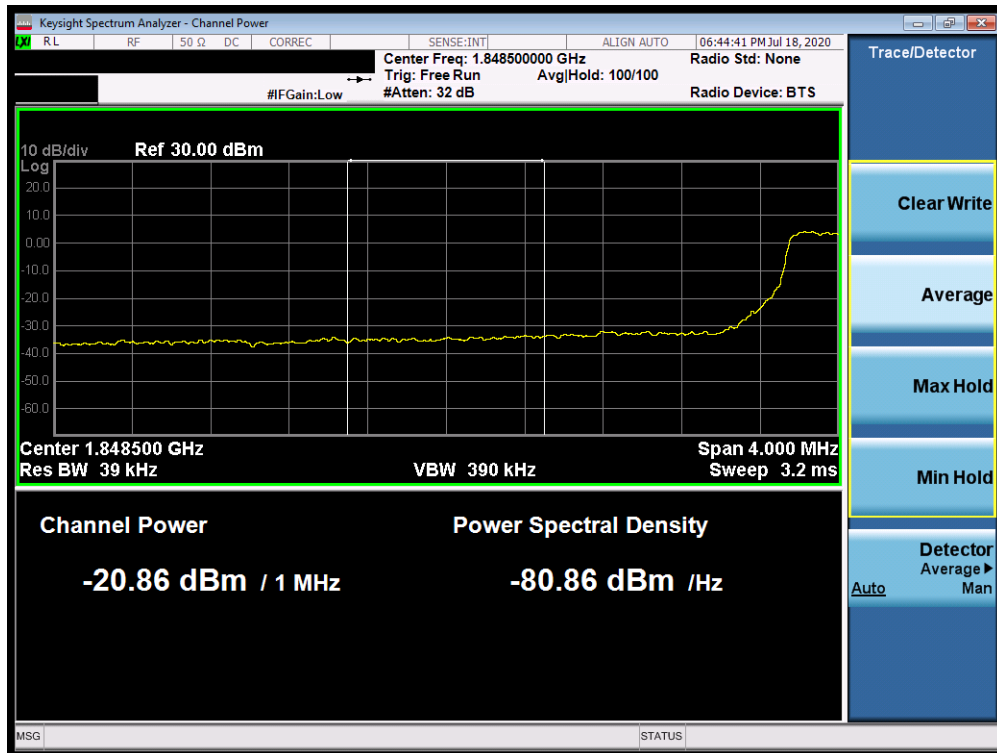


Plot 7-429. Upper Extended Band Edge Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 241 of 386

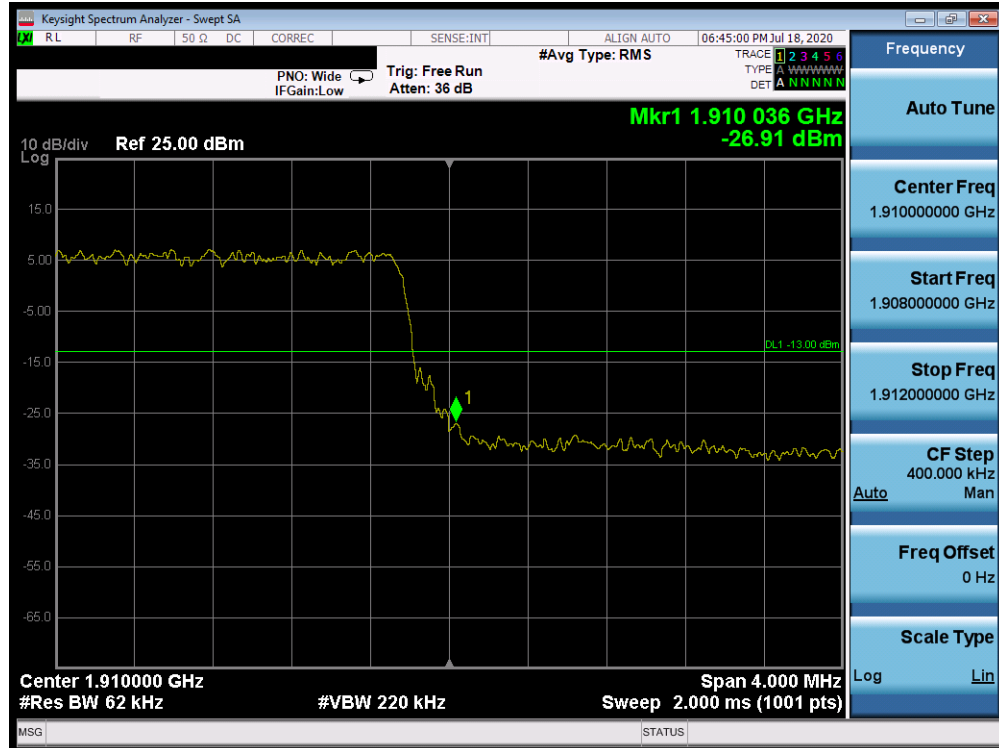


Plot 7-430. Lower Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

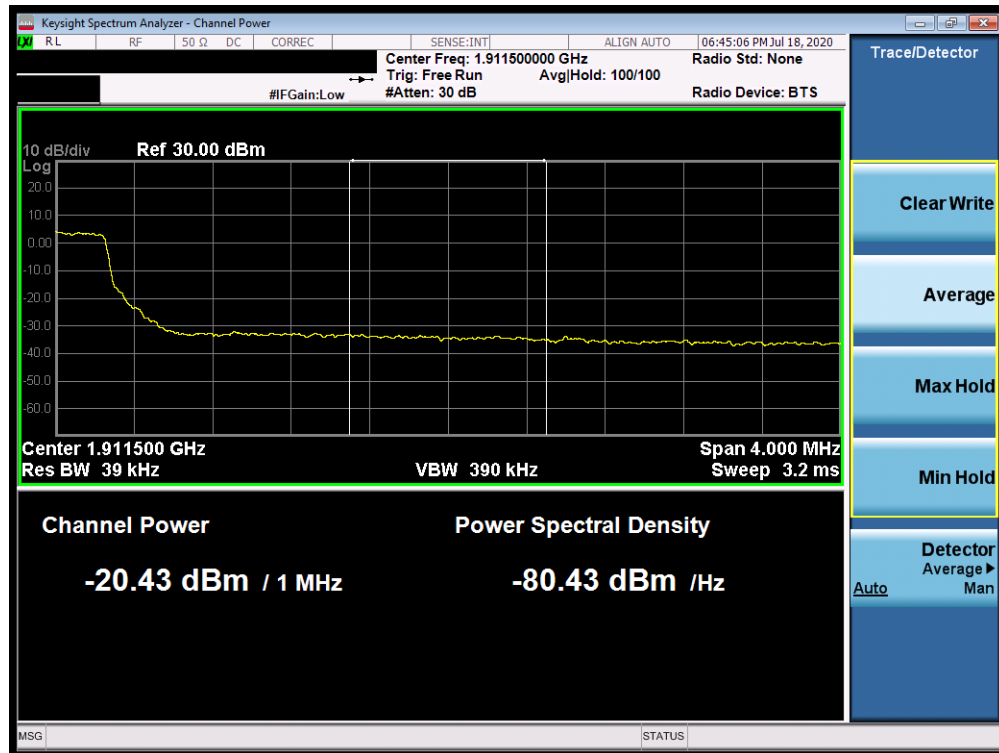


Plot 7-431. Lower Extended Band Edge Plot (Band 25/2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 242 of 386

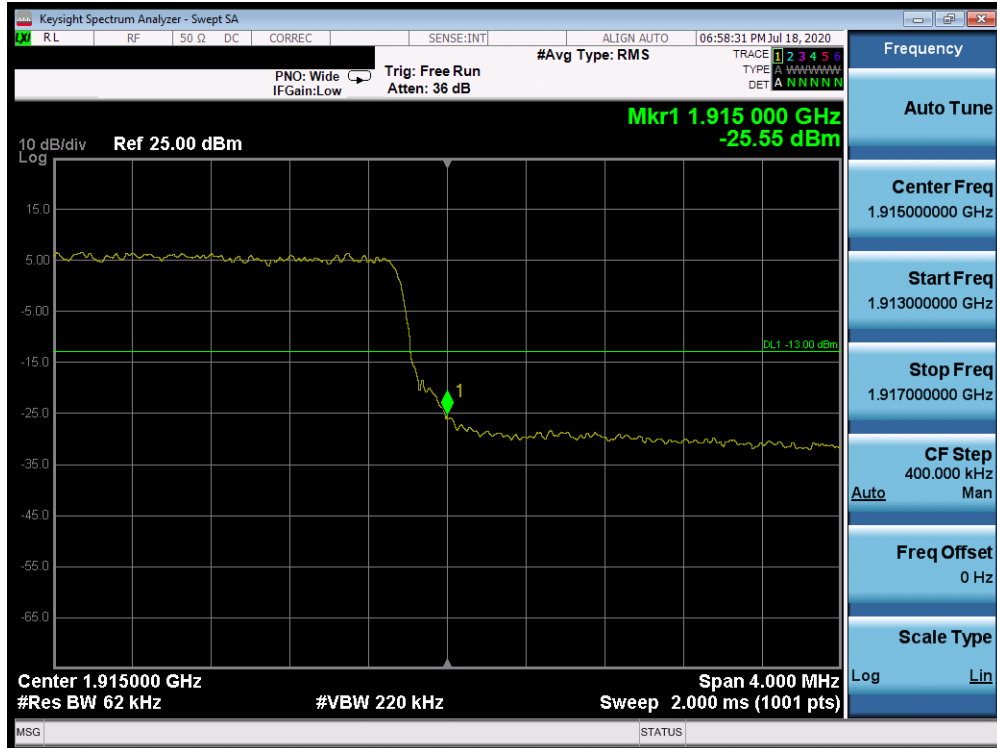


Plot 7-432. Upper Band Edge Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

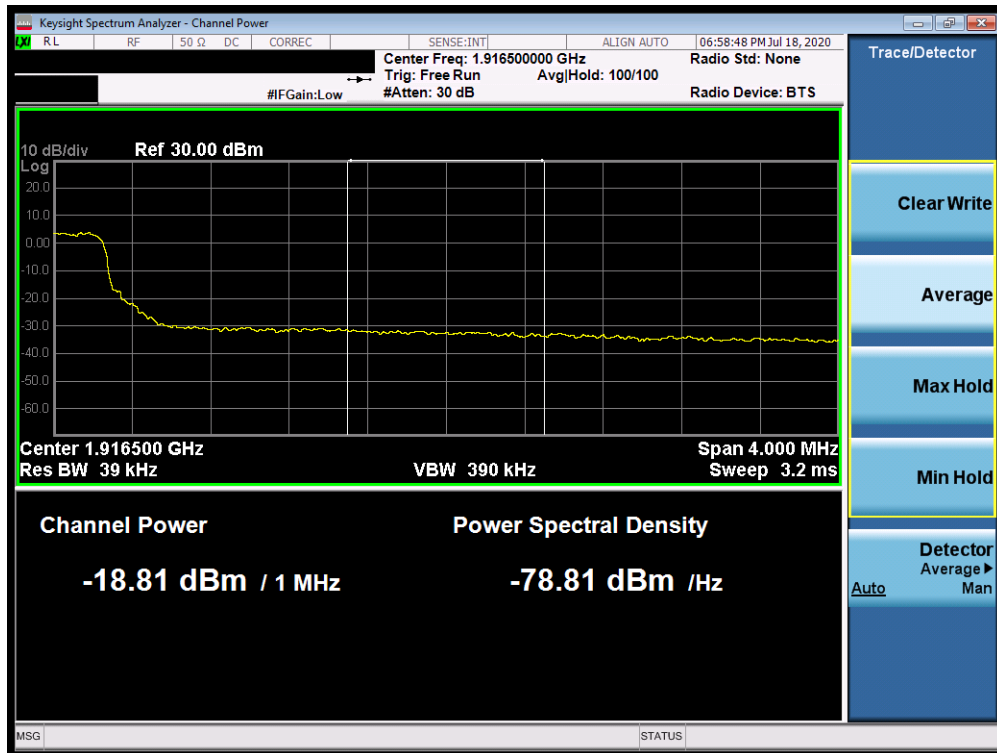


Plot 7-433. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 243 of 386

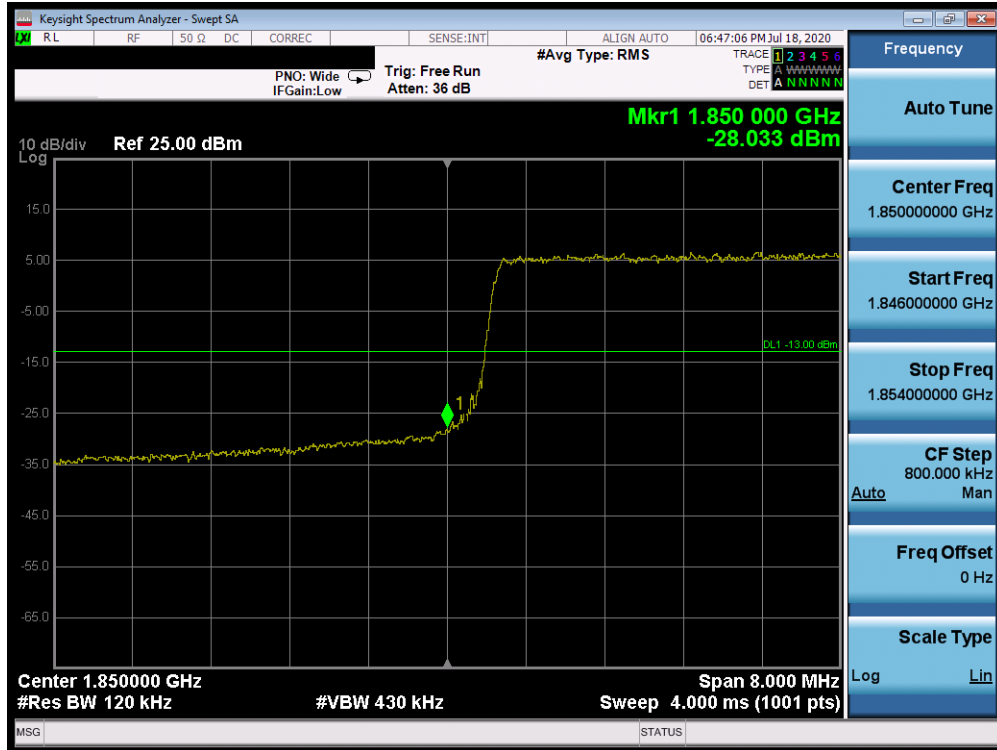


Plot 7-434. Upper Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

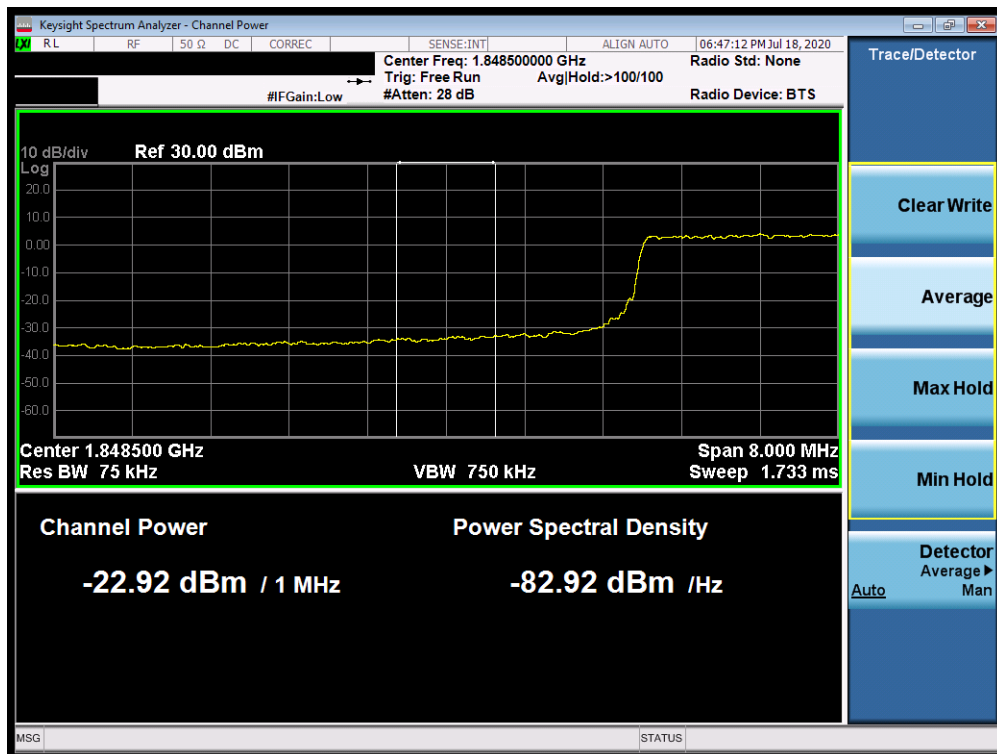


Plot 7-435. Upper Extended Band Edge Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 244 of 386

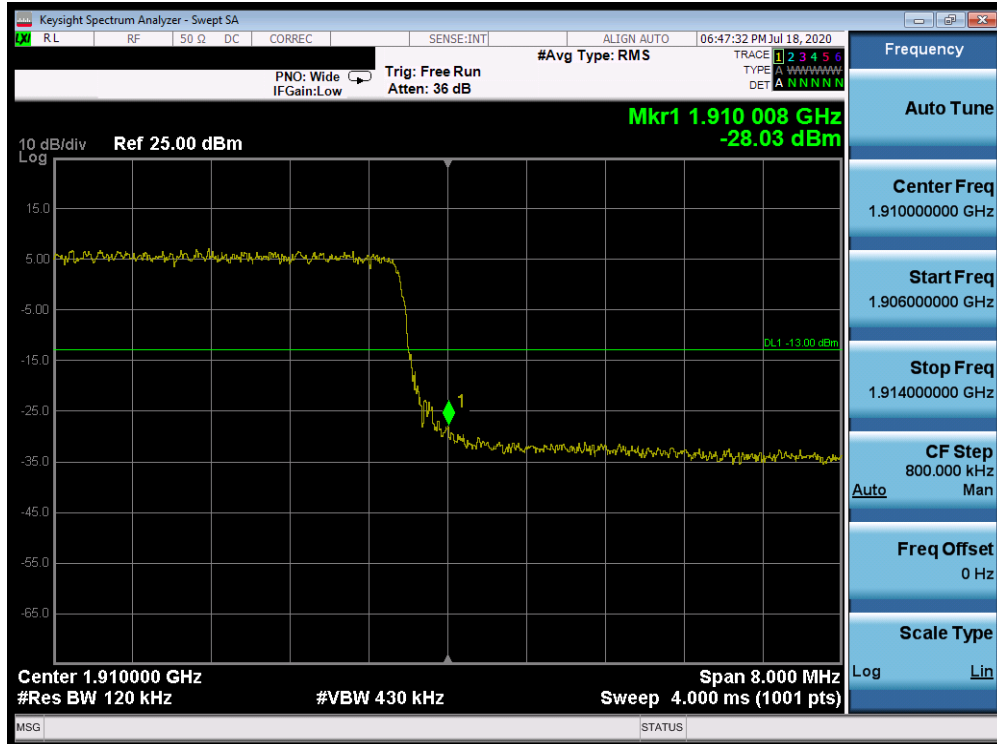


Plot 7-436. Lower Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

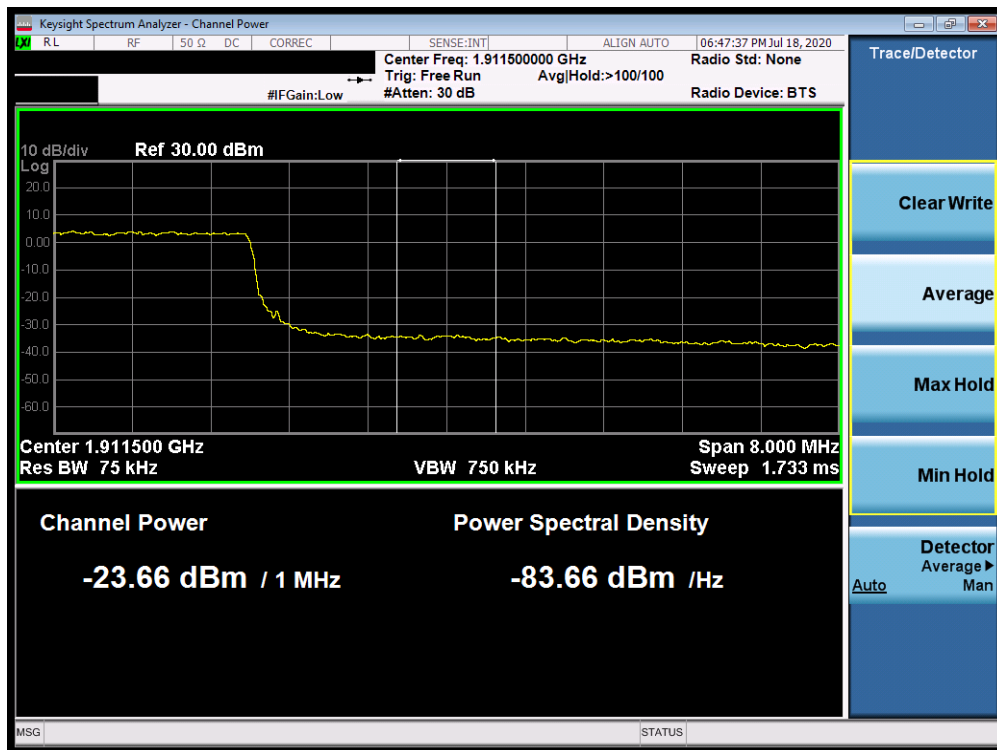


Plot 7-437. Lower Extended Band Edge Plot (Band 25/2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 245 of 386

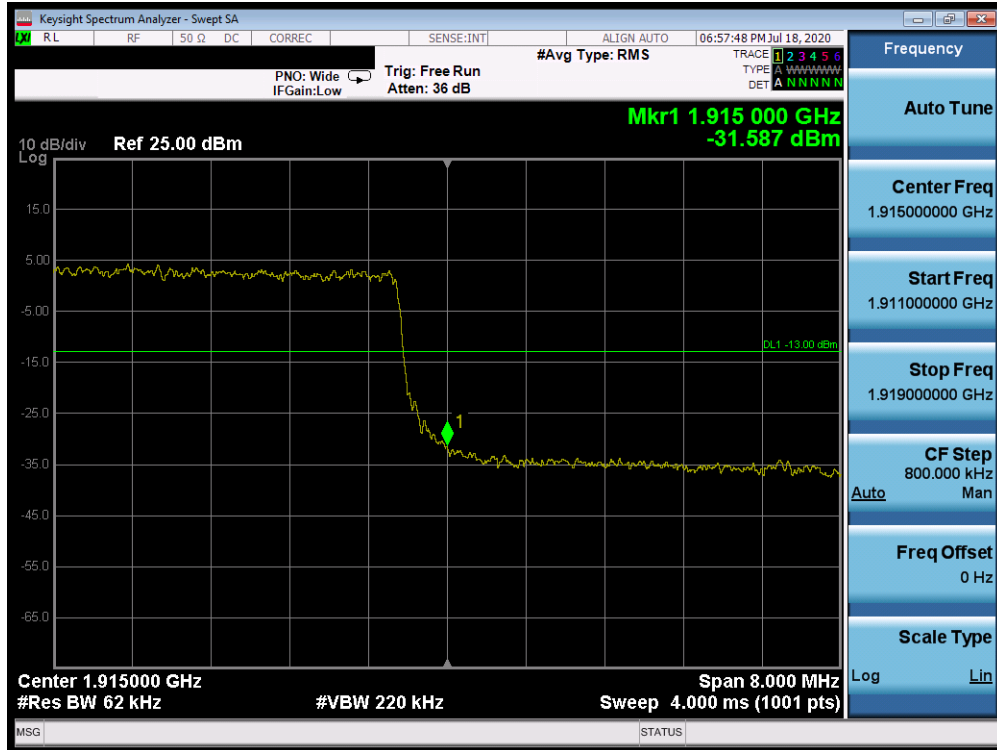


Plot 7-438. Upper Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

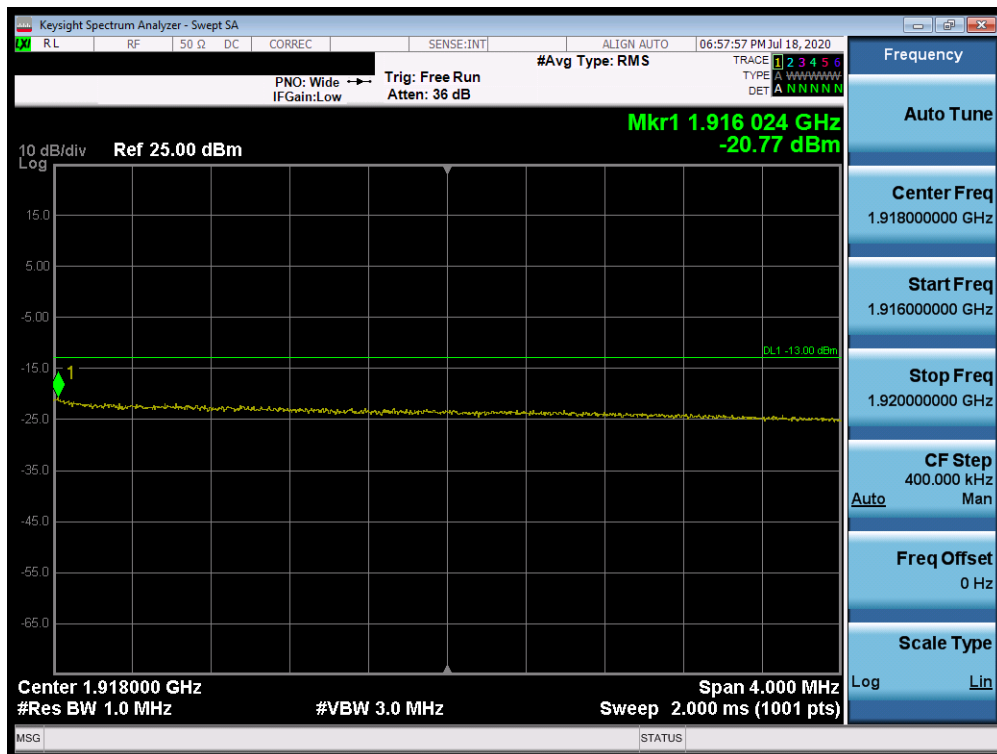


Plot 7-439. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 246 of 386

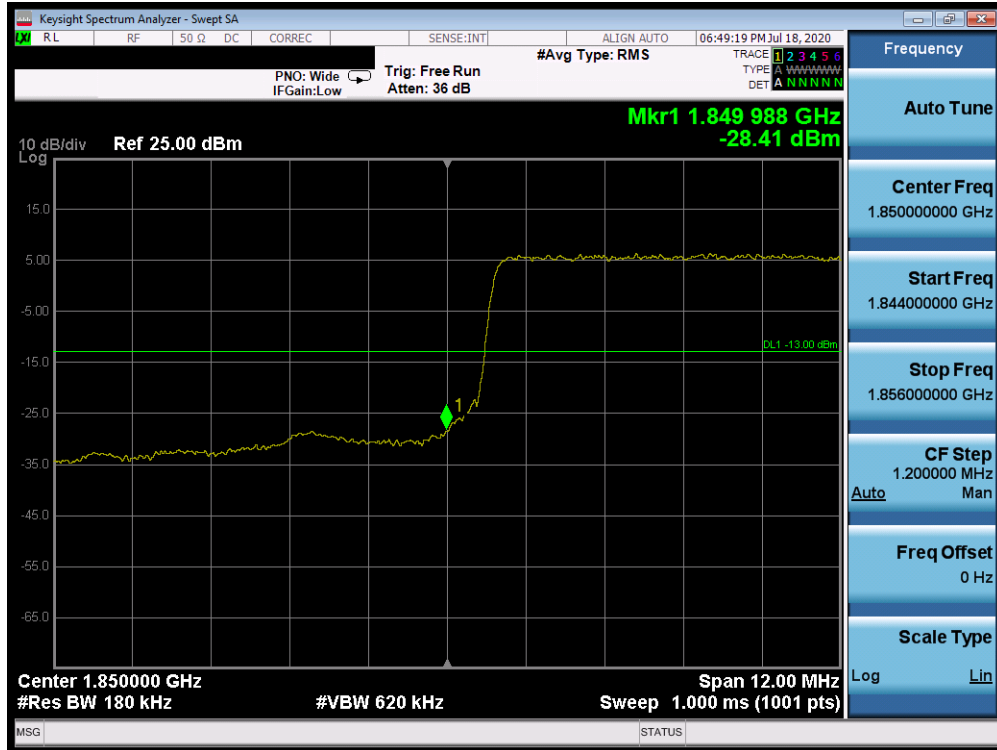


Plot 7-440. Upper Band Edge Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)

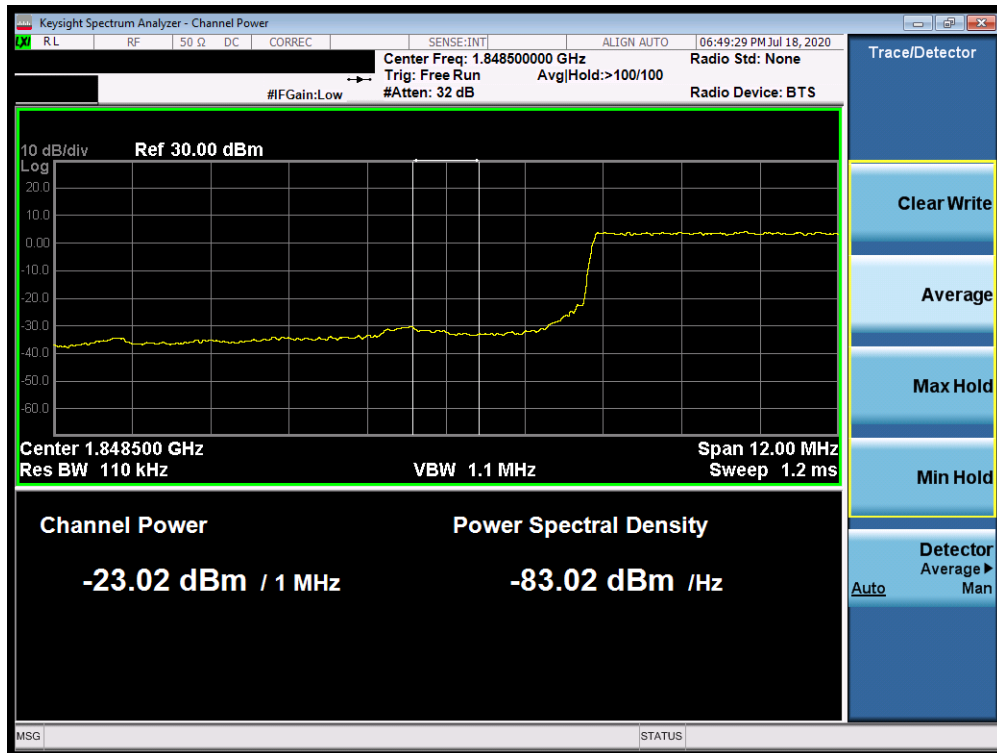


Plot 7-441. Upper Extended Band Edge Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 247 of 386

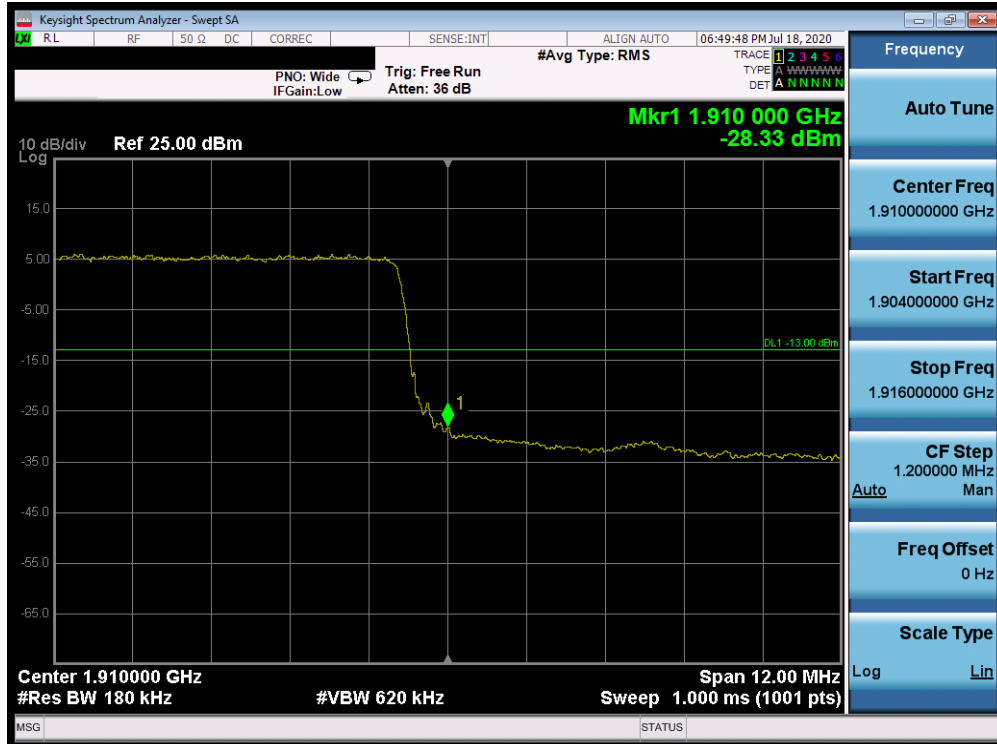


Plot 7-442. Lower Band Edge Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)

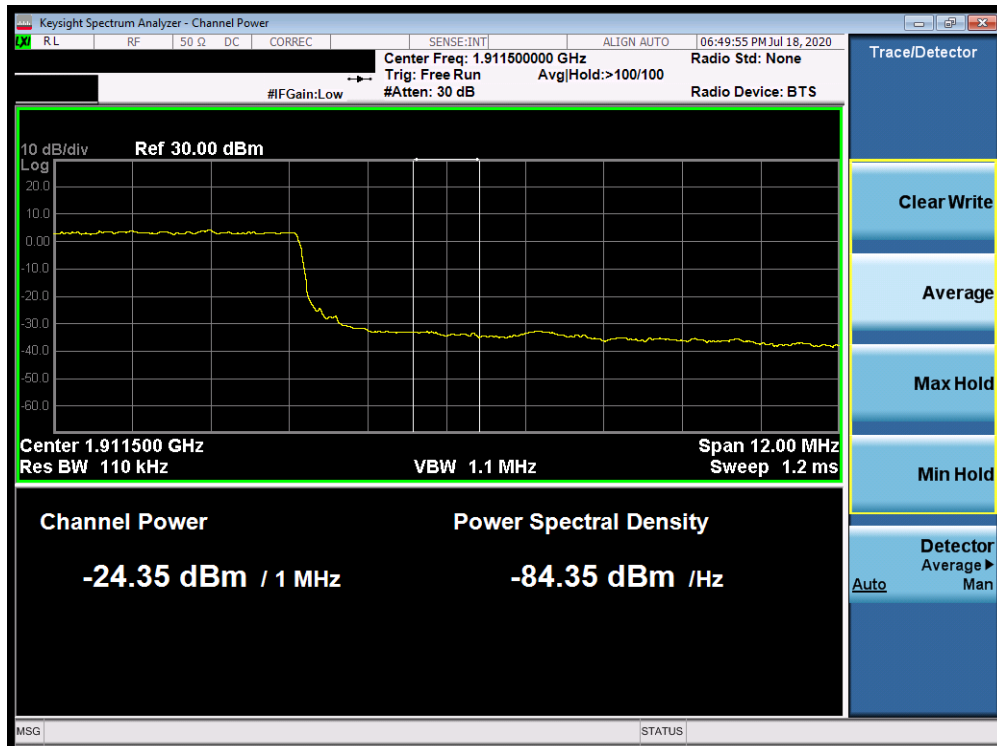


Plot 7-443. Lower Extended Band Edge Plot (Band 25/2 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 248 of 386

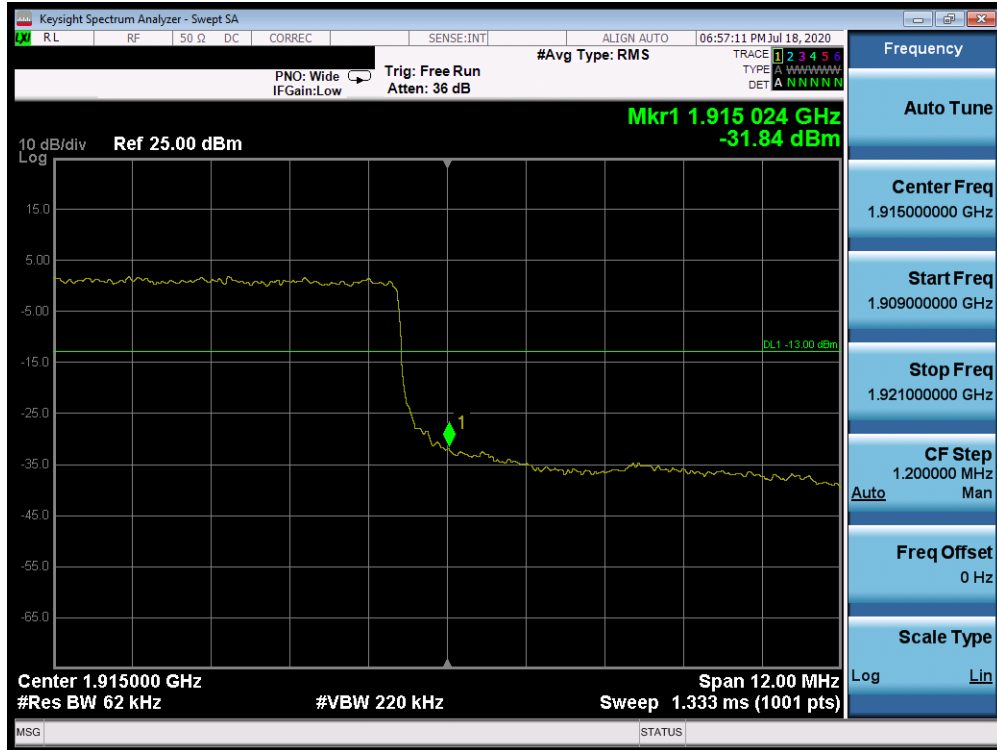


Plot 7-444. Upper Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

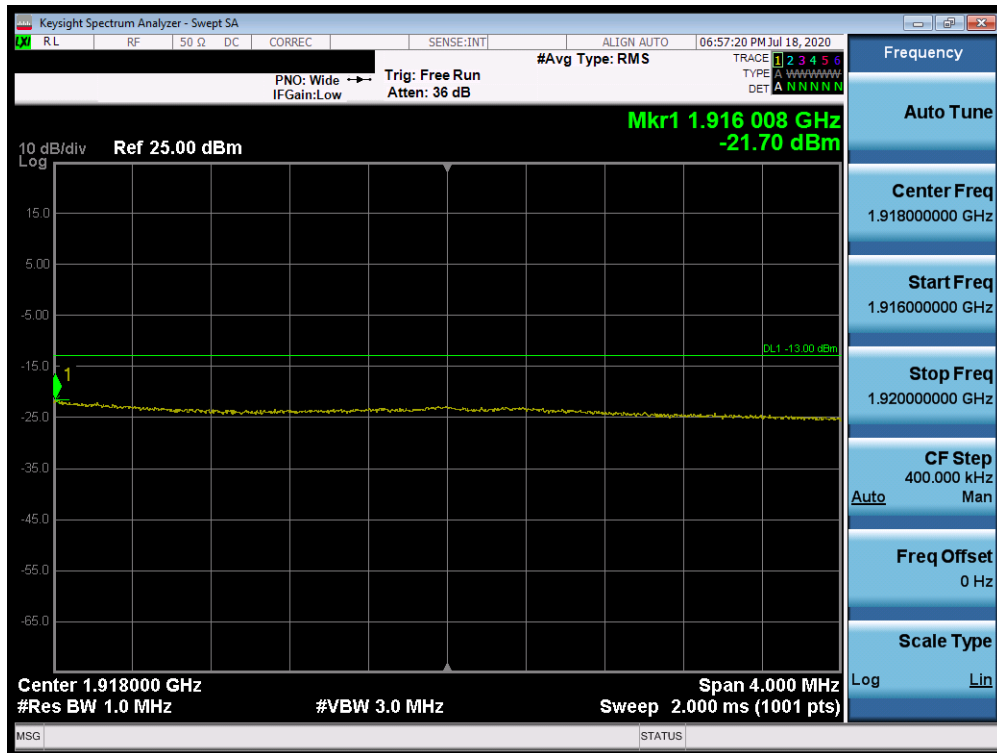


Plot 7-445. Upper Extended Band Edge Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 249 of 386

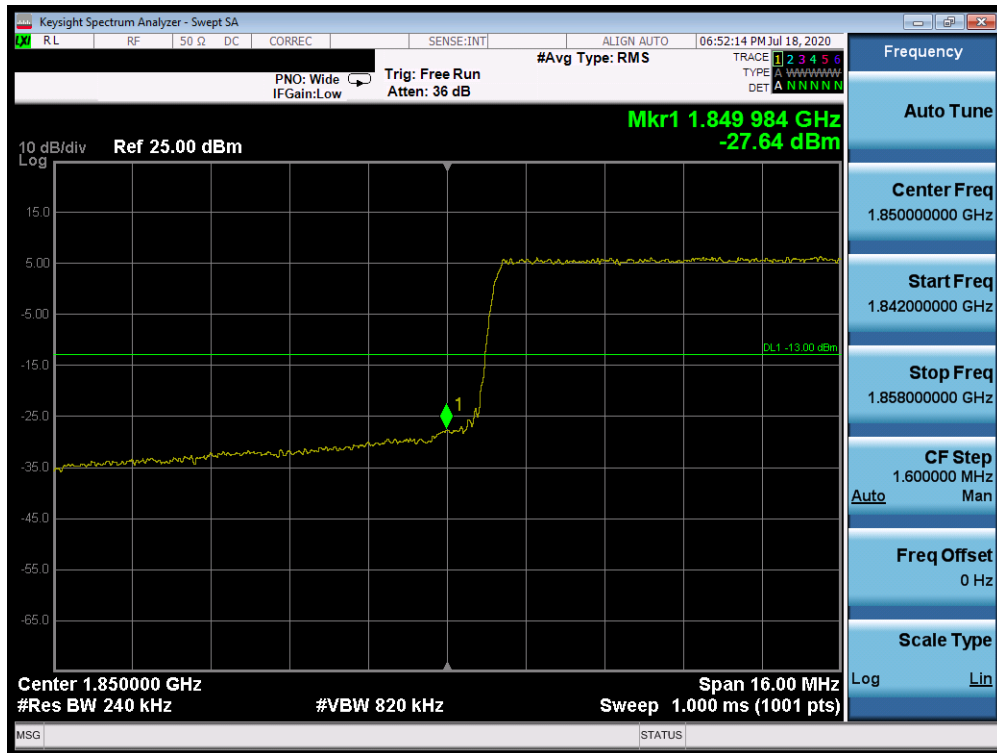


Plot 7-446. Upper Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

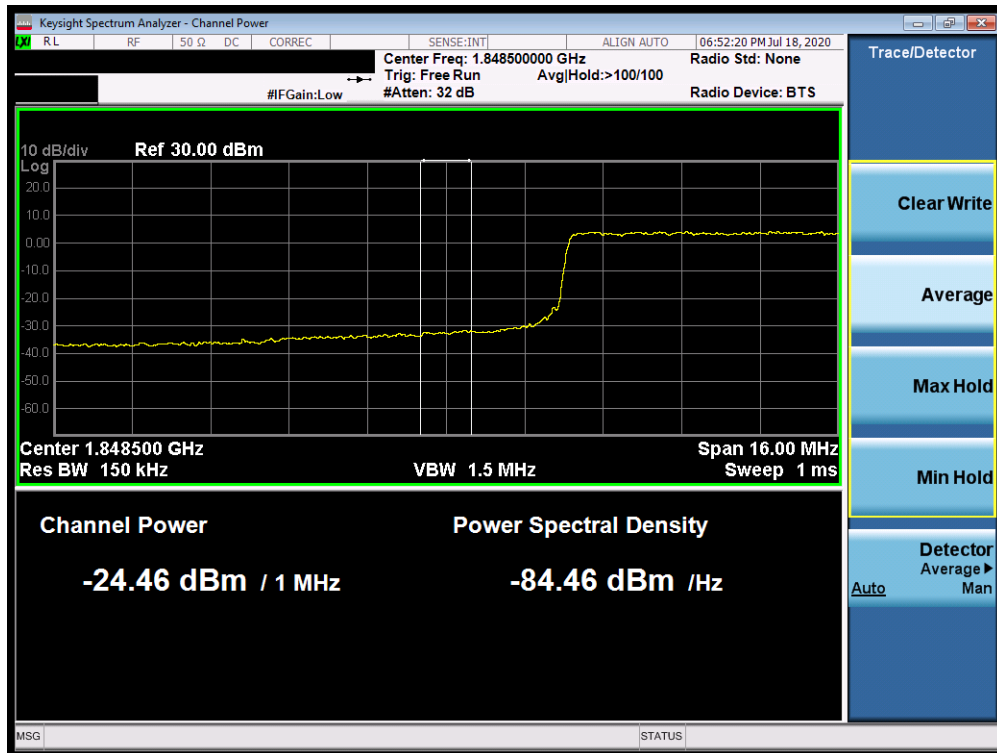


Plot 7-447. Upper Extended Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 250 of 386

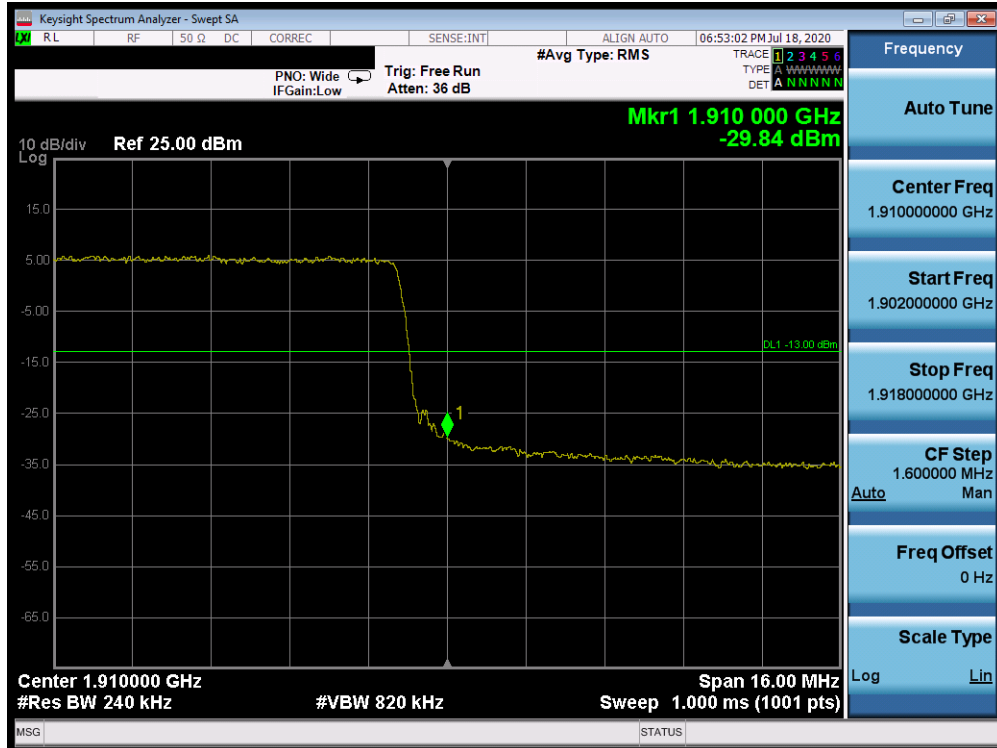


Plot 7-448. Lower Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

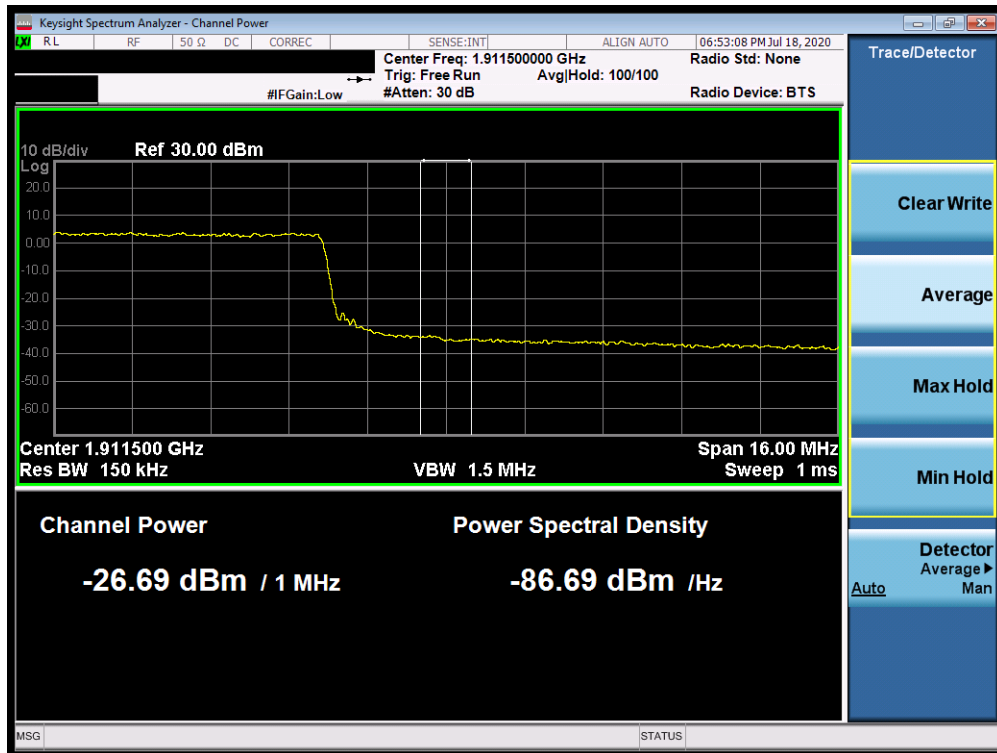


Plot 7-449. Lower Extended Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 251 of 386

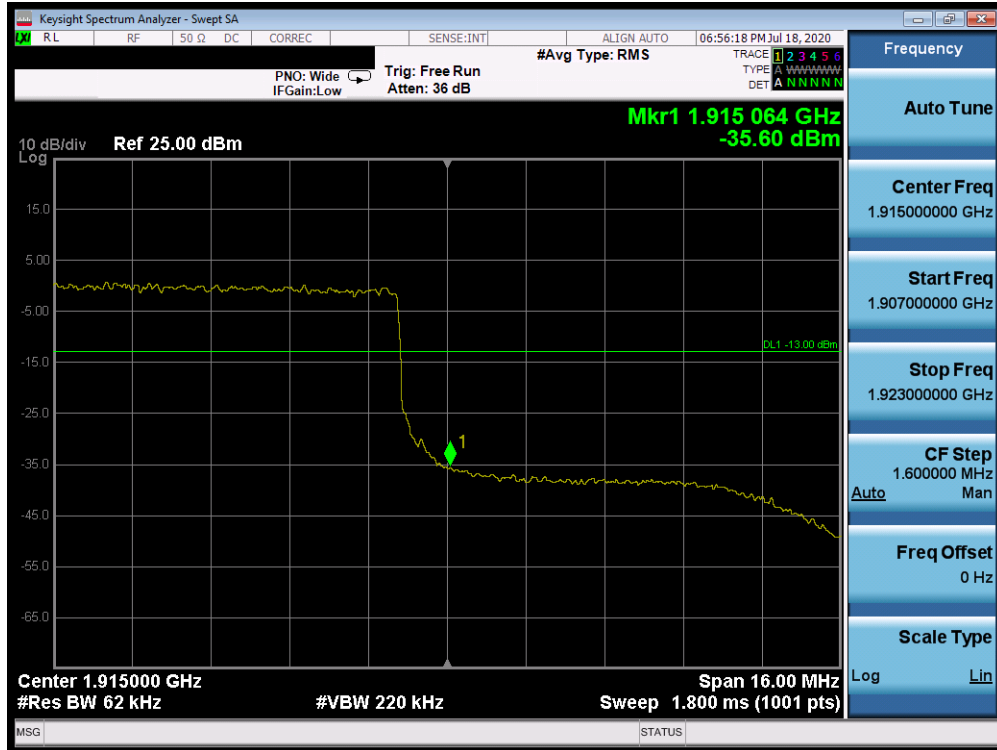


Plot 7-450. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

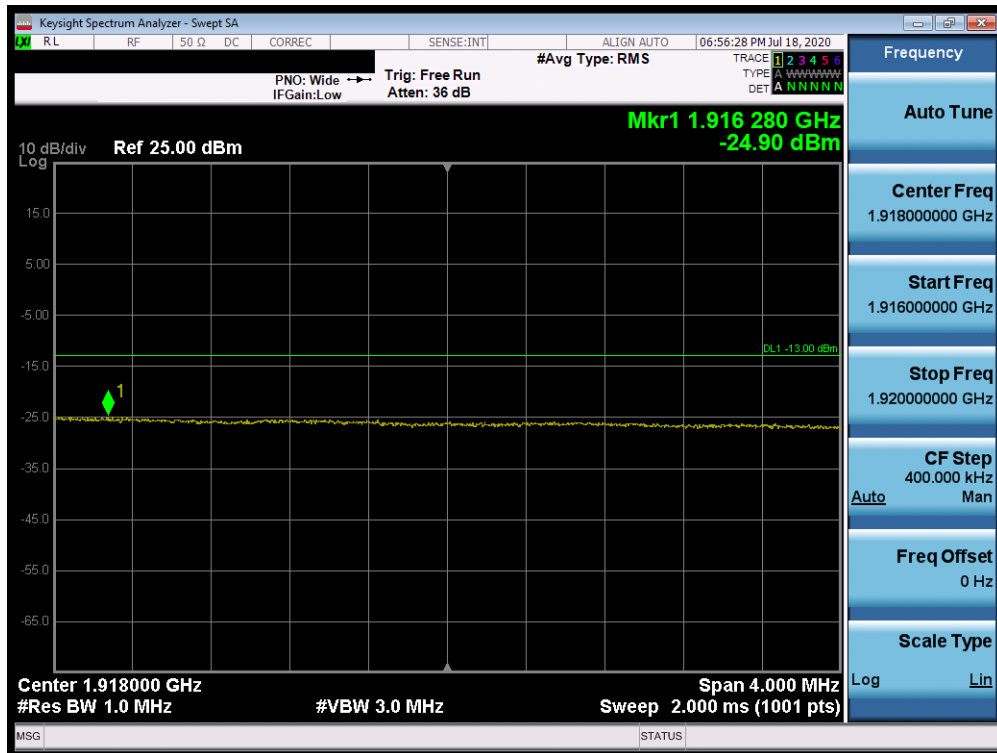


Plot 7-451. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 252 of 386



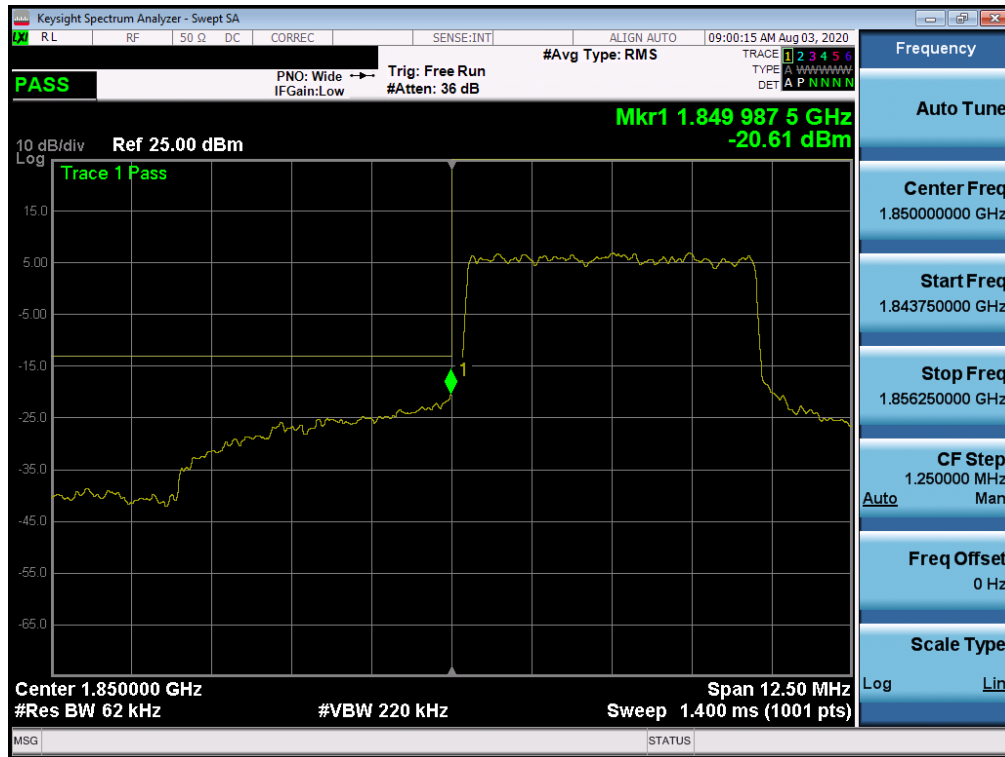
Plot 7-452. Upper Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)



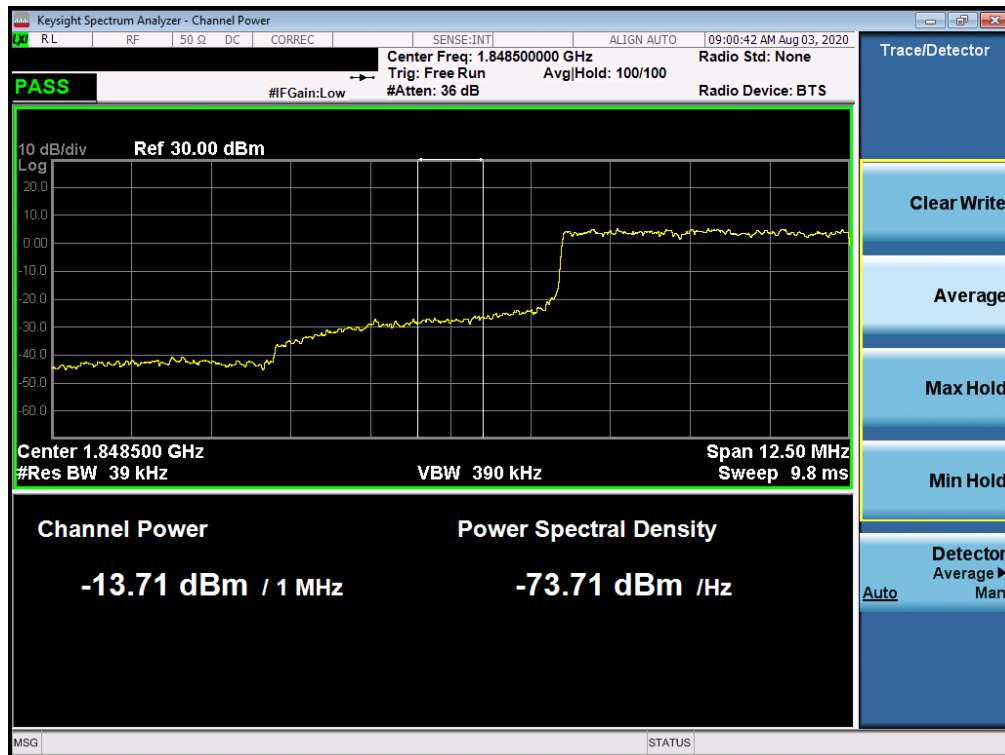
Plot 7-453. Upper Extended Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 253 of 386

NR Band n25/2



Plot 7-454. Lower Band Edge Plot (NR Band n25/2 - 5.0MHz - Full RB)

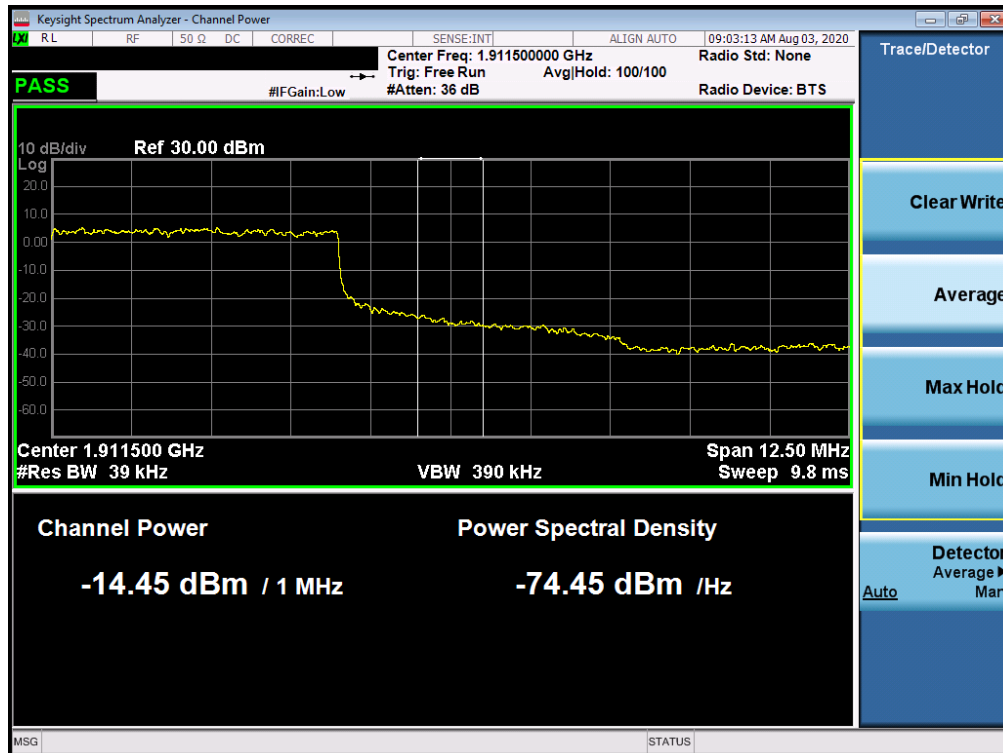


Plot 7-455. Lower Extended Band Edge Plot (NR Band n25/2 - 5.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 254 of 386

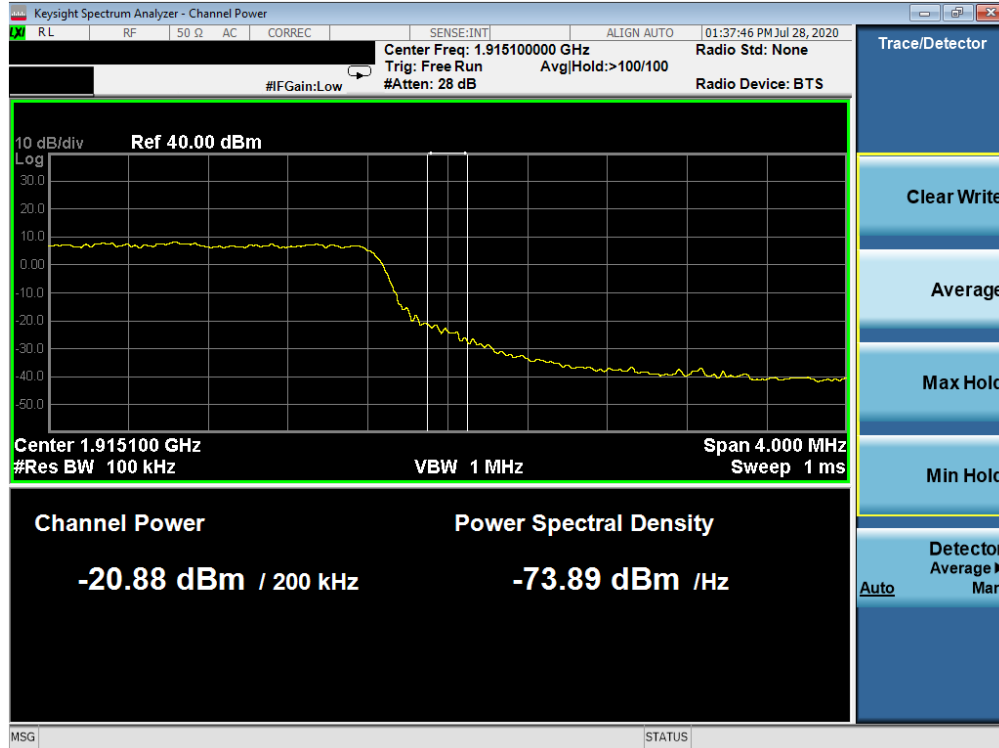


Plot 7-456. Upper Band Edge Plot (NR Band n2 – 5.0MHz - Full RB)

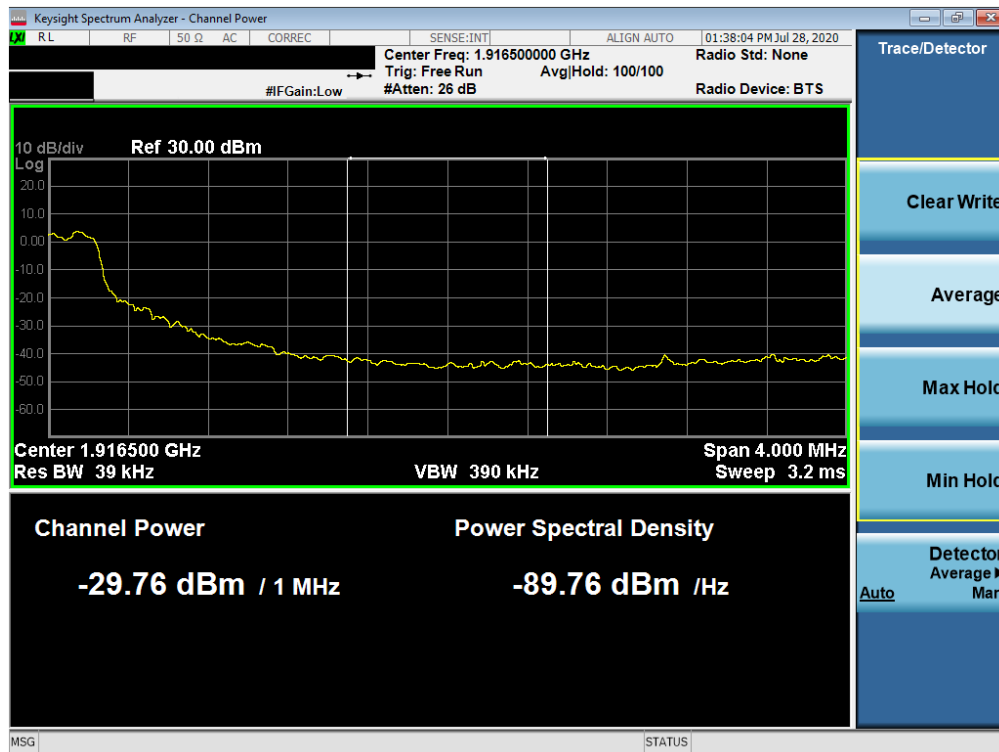


Plot 7-457. Upper Extended Band Edge Plot (NR Band n2 – 5.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 255 of 386

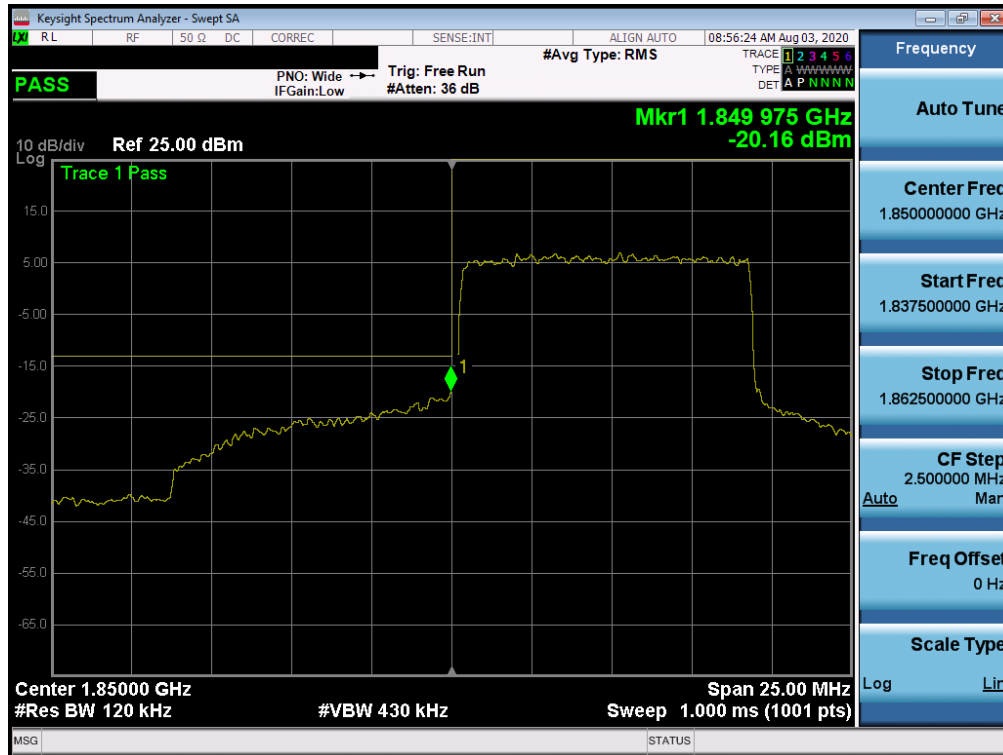


Plot 7-458. Upper Band Edge Plot (NR Band n25 - 5.0MHz - Full RB)

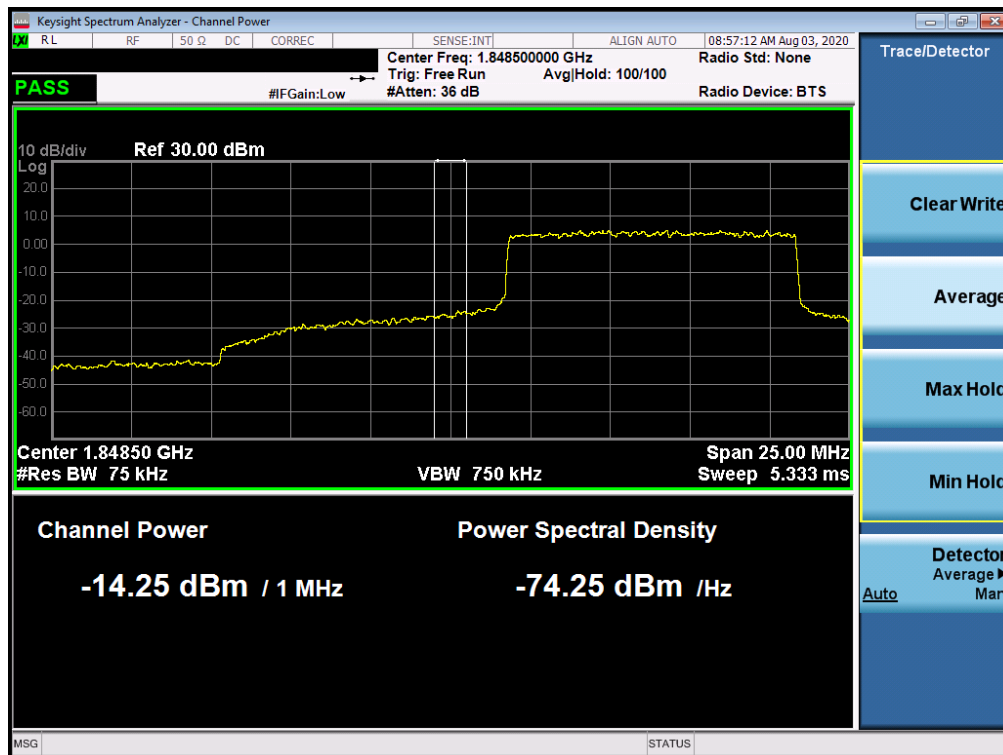


Plot 7-459. Upper Extended Band Edge Plot (NR Band n25 - 5.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 256 of 386

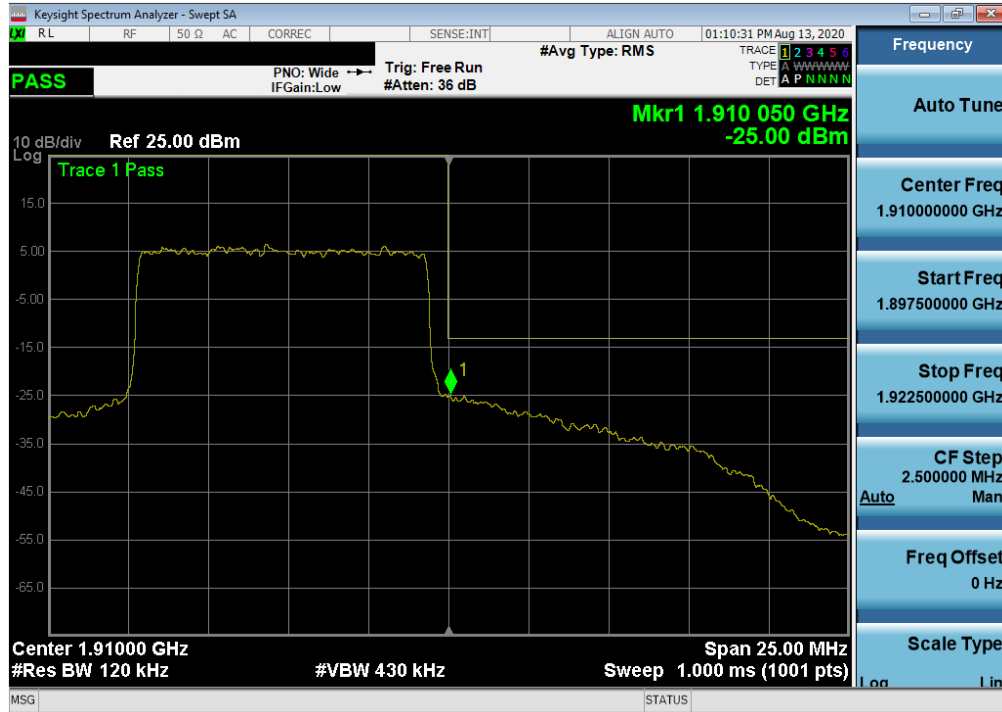


Plot 7-460. Lower Band Edge Plot (NR Band n2 – 10.0MHz - Full RB)

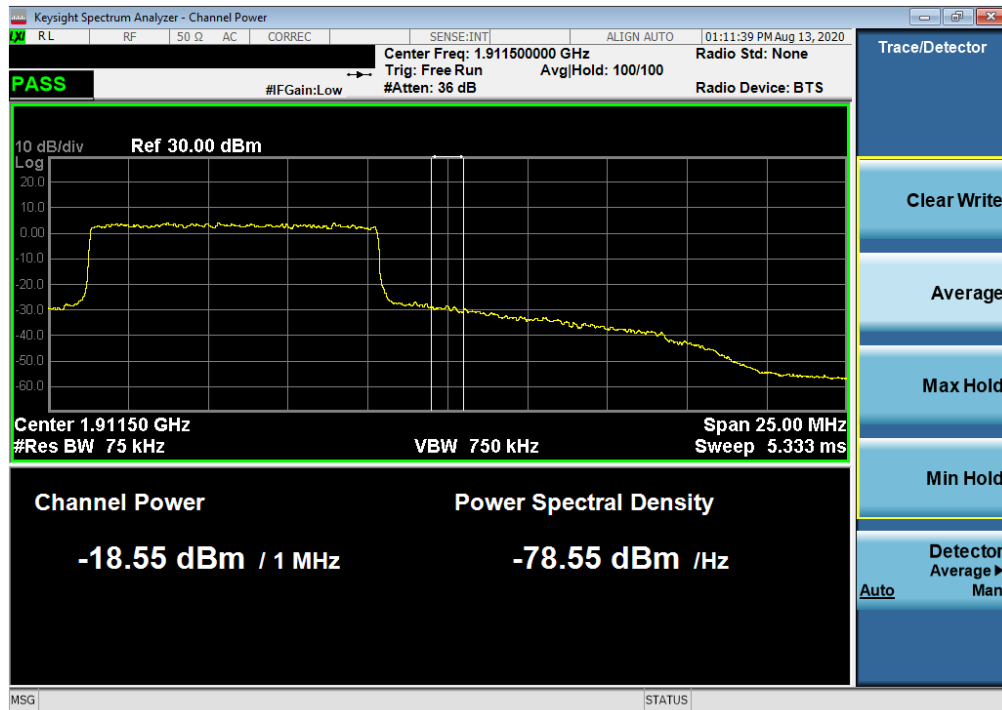


Plot 7-461. Lower Extended Band Edge Plot (NR Band n2 – 10.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 257 of 386



Plot 7-462. Upper Band Edge Plot (NR Band n2 – 10.0MHz - Full RB)

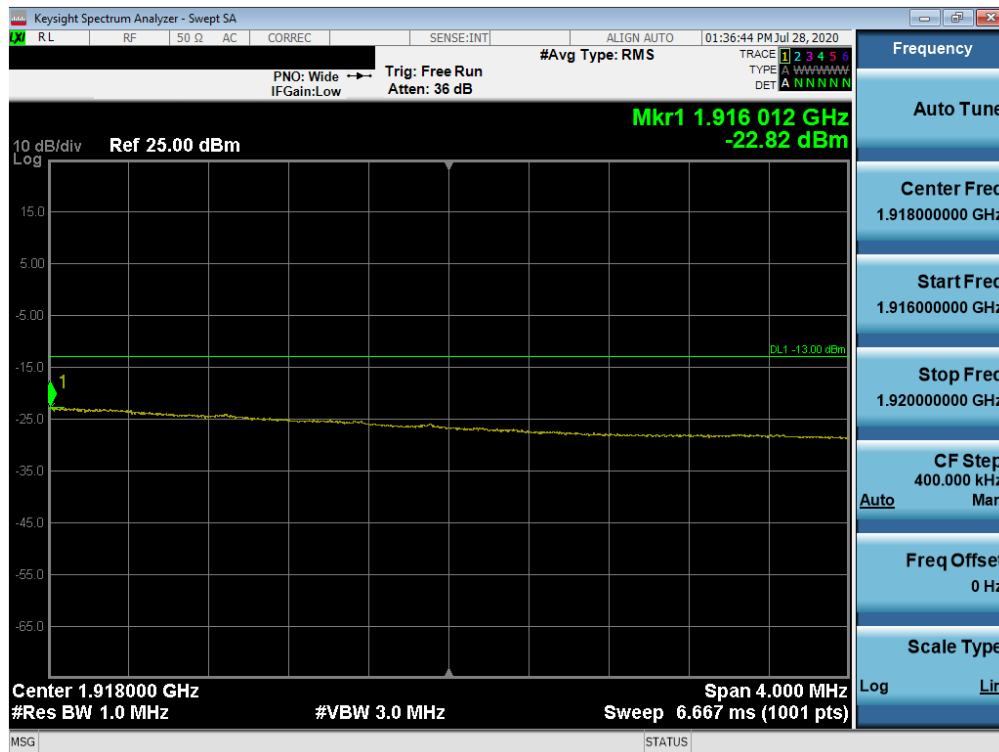


Plot 7-463. Upper Extended Band Edge Plot (NR Band n2 – 10.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 258 of 386

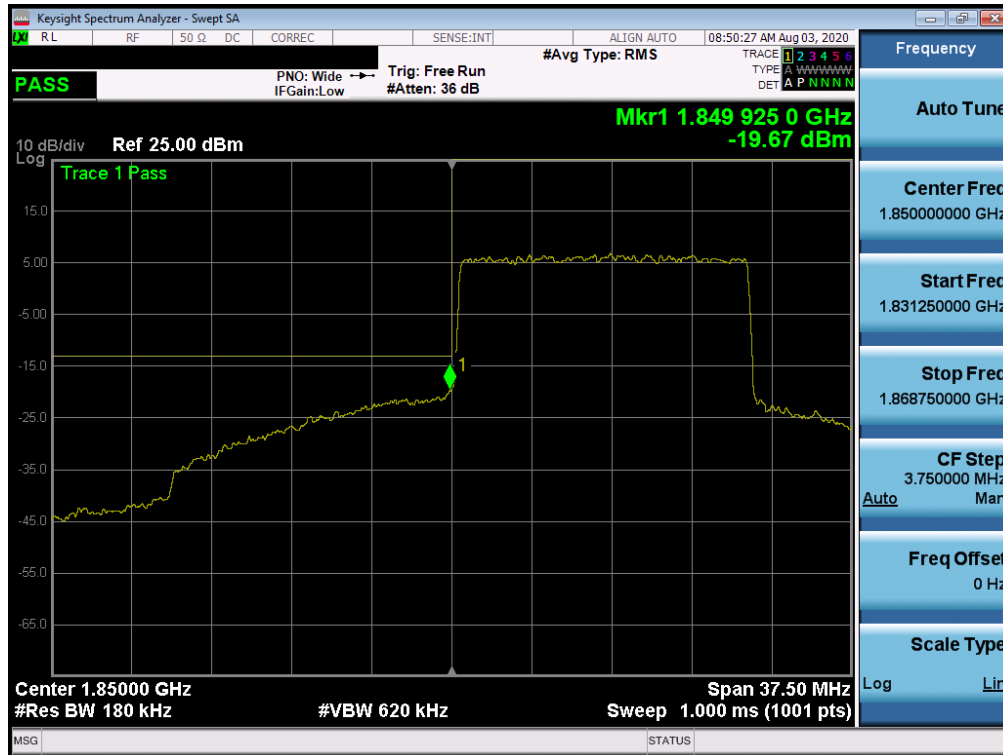


Plot 7-464. Upper Band Edge Plot (NR Band n25 – 10.0MHz - Full RB)

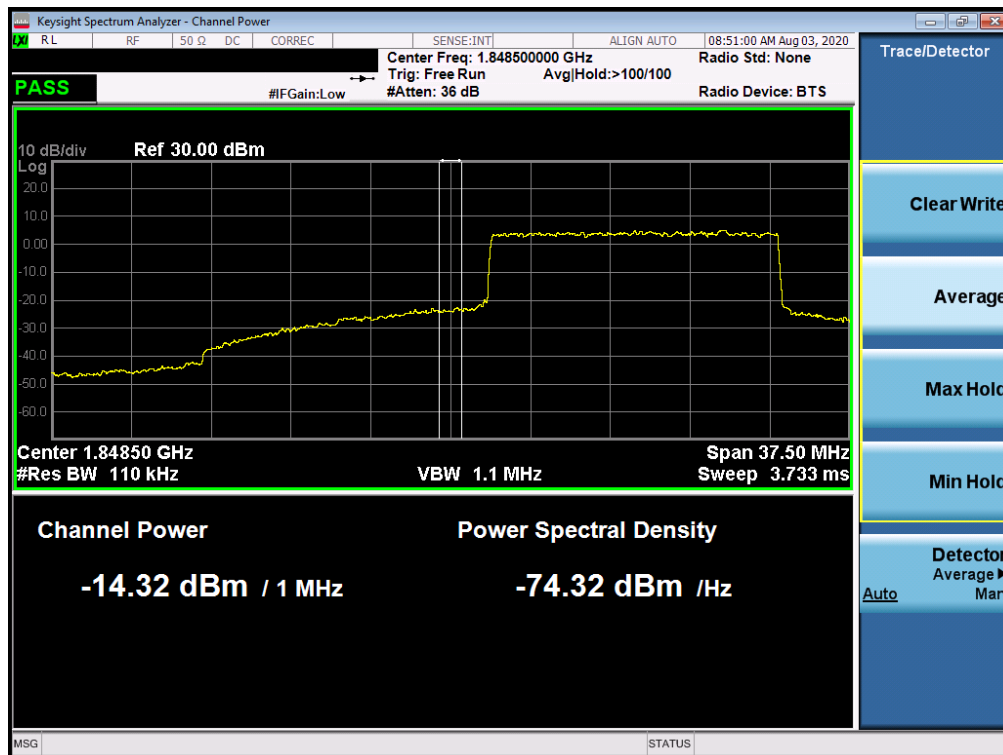


Plot 7-465. Upper Extended Band Edge Plot (NR Band n25 – 10.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 259 of 386

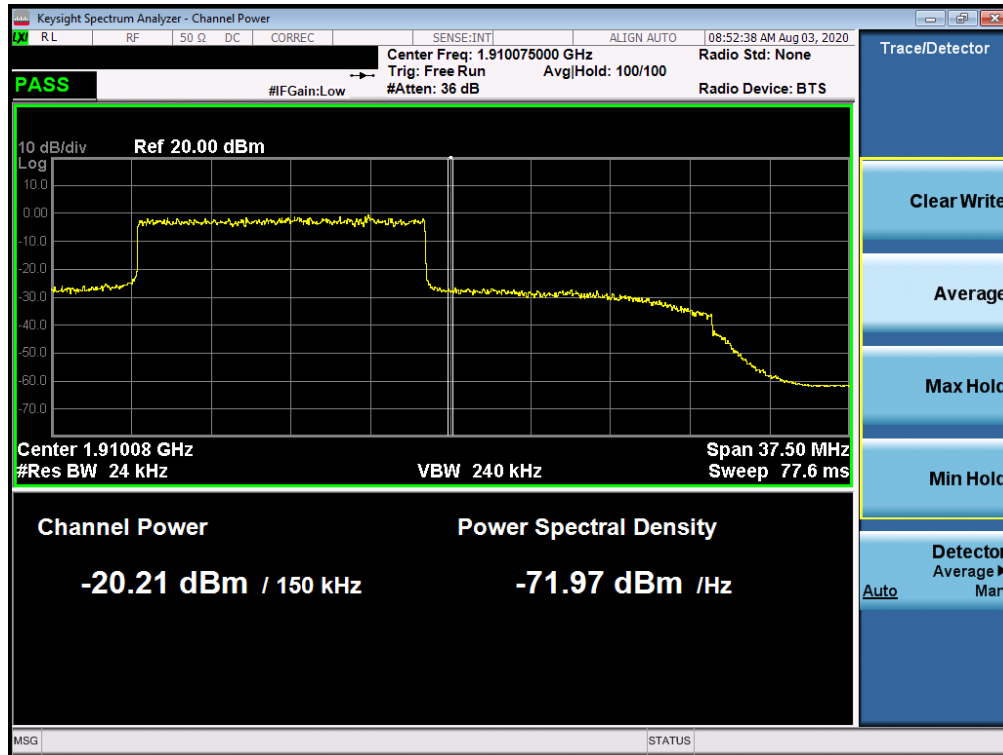


Plot 7-466. Lower Band Edge Plot (NR Band n2 – 15.0MHz - Full RB)

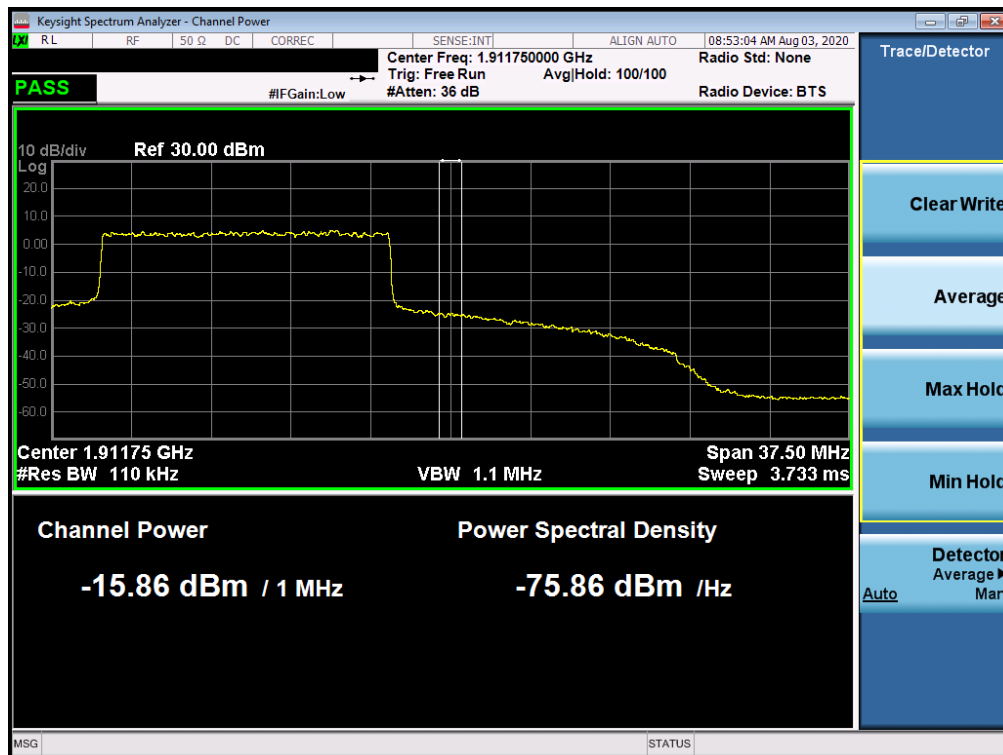


Plot 7-467. Lower Extended Band Edge Plot (NR Band n2 – 15.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 260 of 386

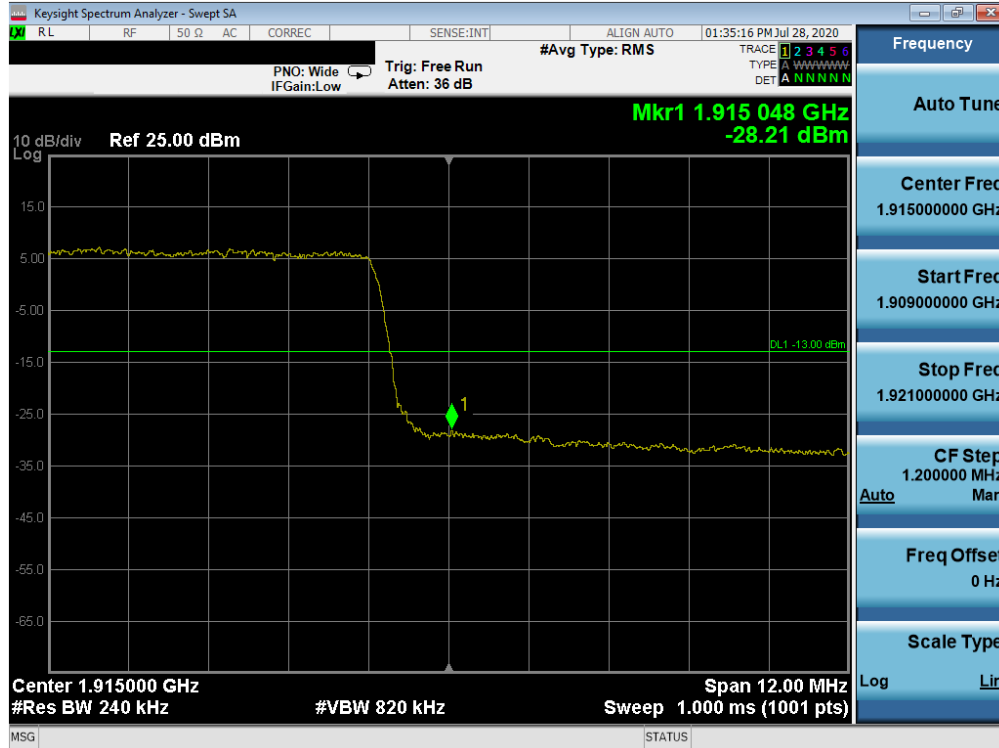


Plot 7-468. Upper Band Edge Plot (NR Band n2 – 15.0MHz - Full RB)

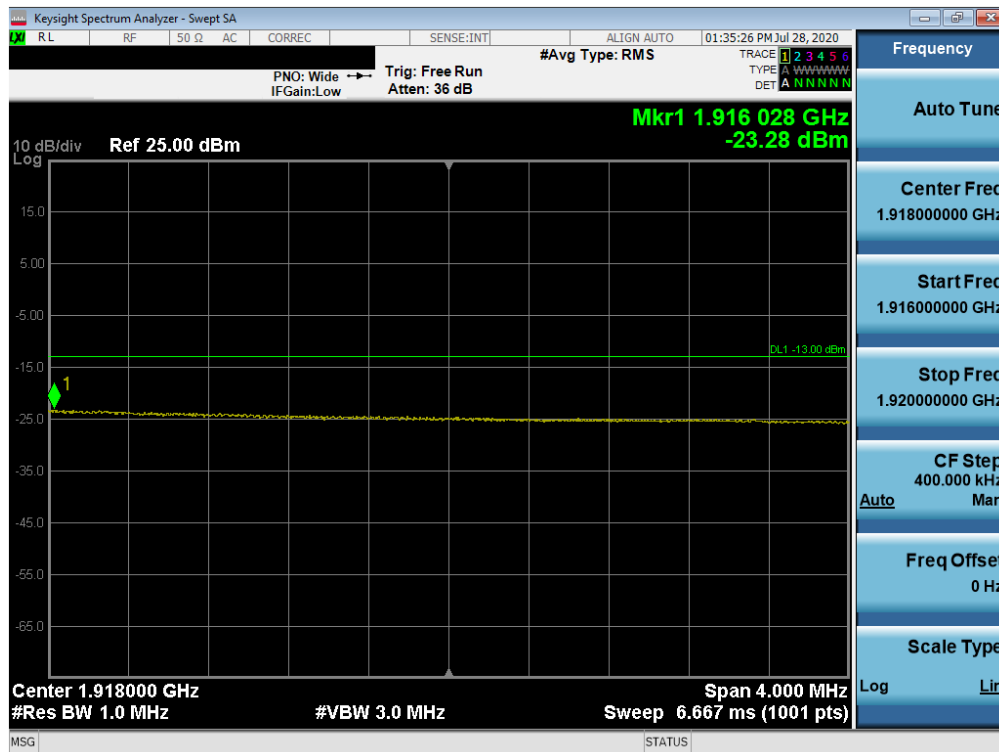


Plot 7-469. Upper Extended Band Edge Plot (NR Band n2 – 15.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 261 of 386

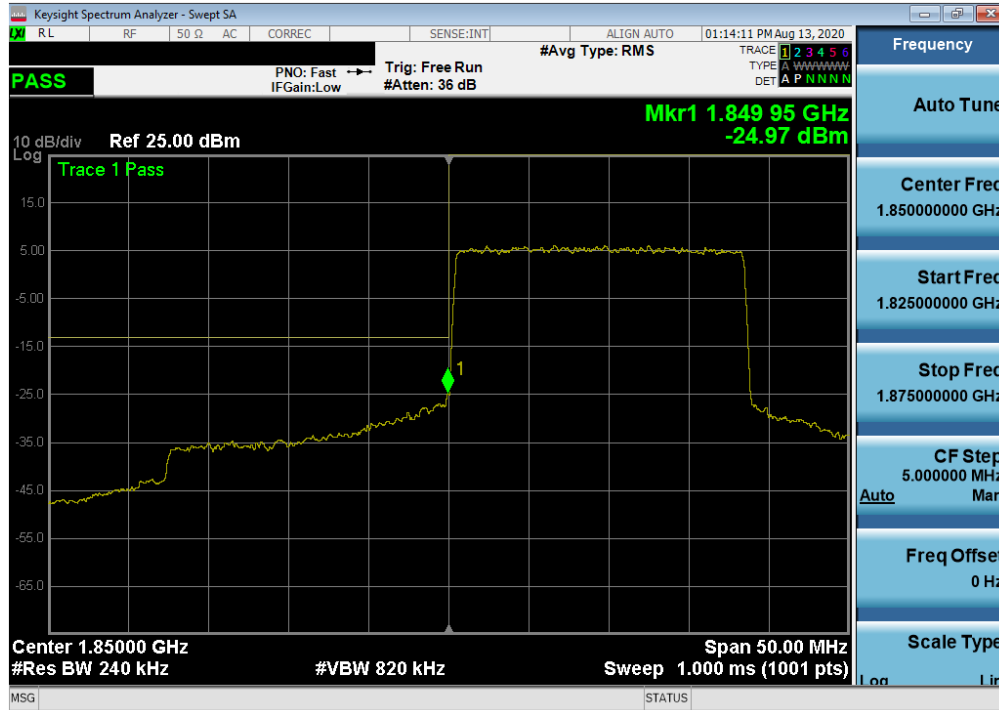


Plot 7-470. Upper Band Edge Plot (NR Band n25 – 15.0MHz - Full RB)

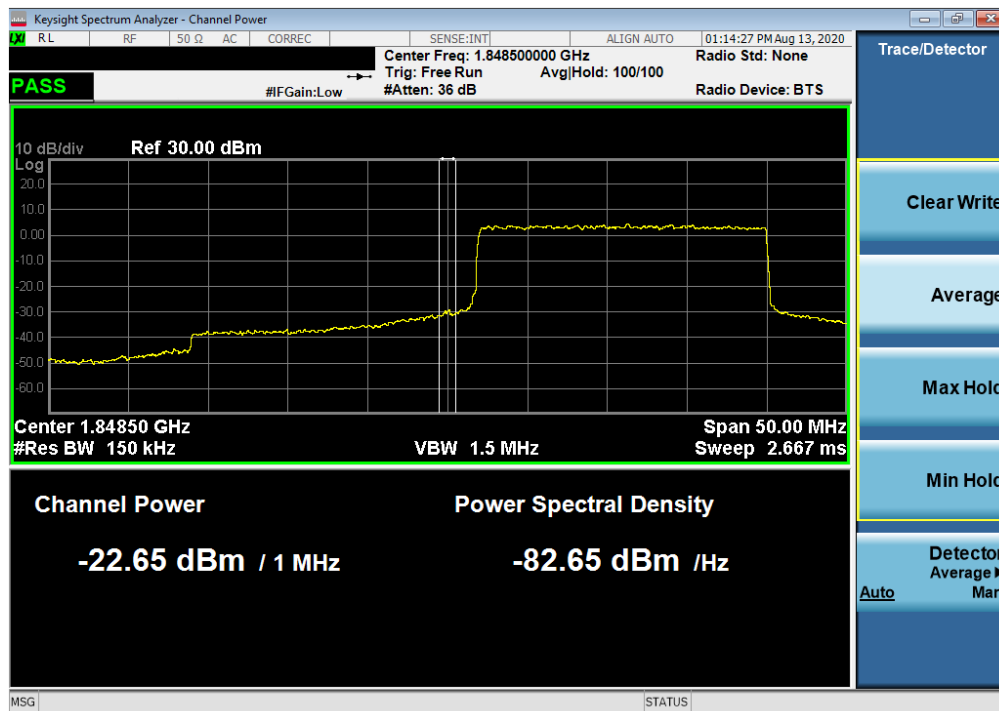


Plot 7-471. Upper Extended Band Edge Plot (NR Band n25 – 15.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 262 of 386

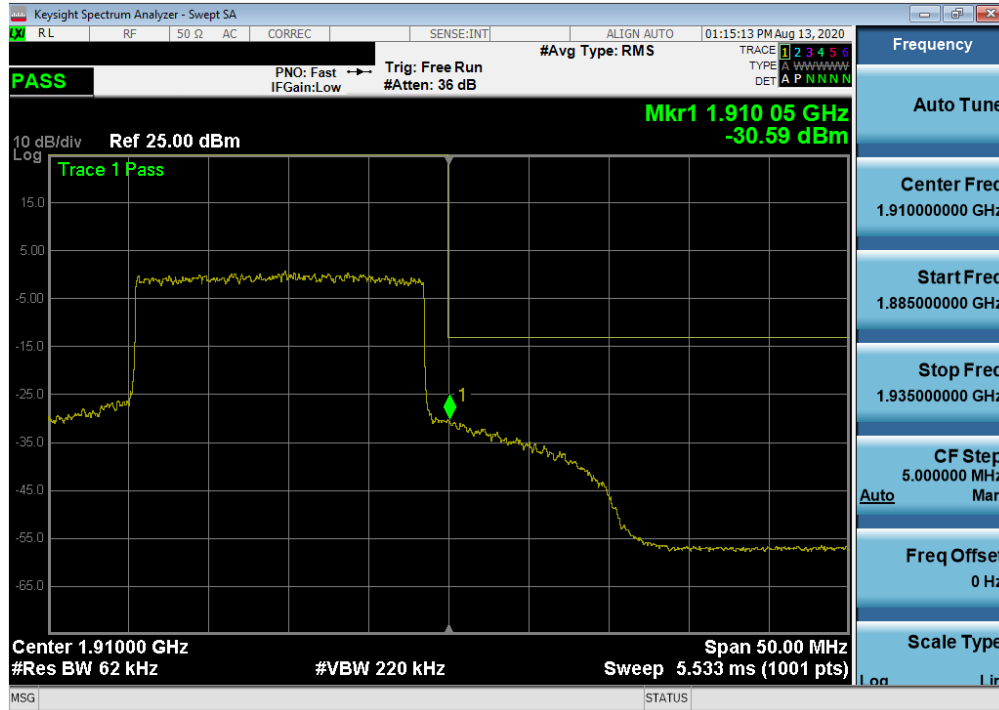


Plot 7-472. Lower Band Edge Plot (NR Band n2 – 20.0MHz - Full RB)



Plot 7-473. Lower Extended Band Edge Plot (NR Band n2 – 20.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 263 of 386

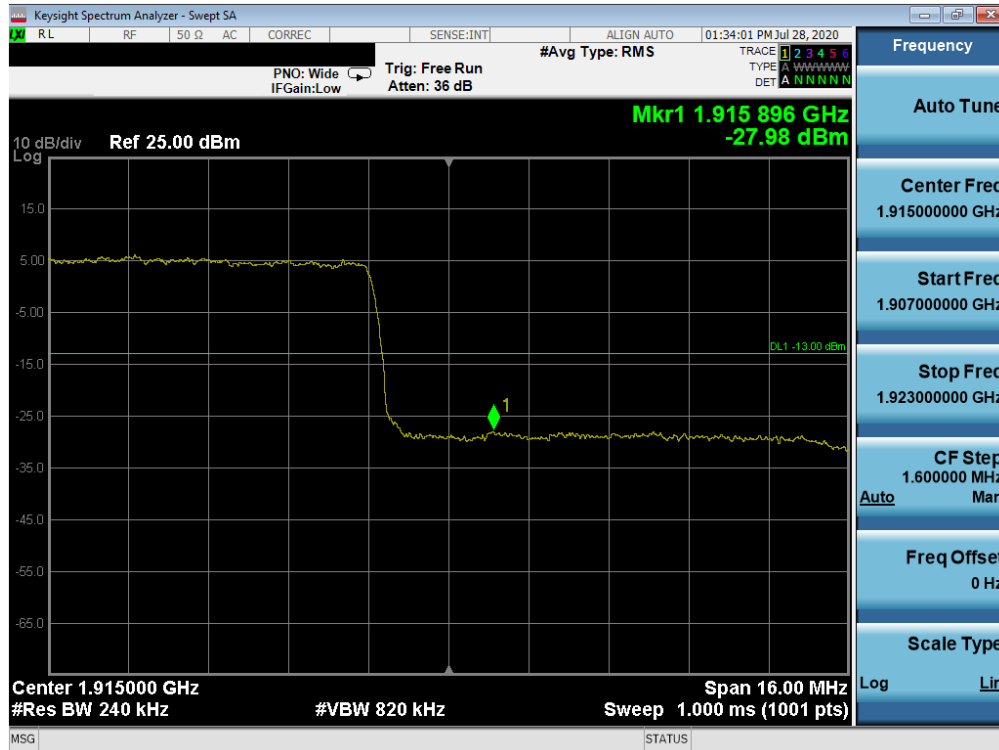


Plot 7-474. Upper Band Edge Plot (NR Band n2 – 20.0MHz - Full RB)

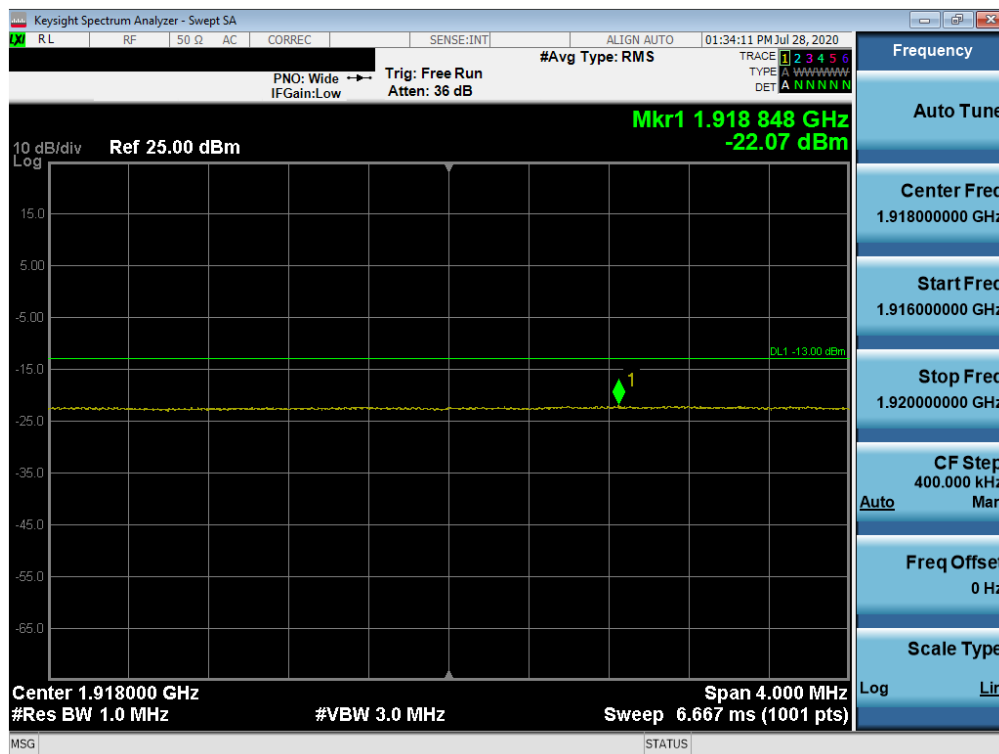


Plot 7-475. Upper Extended Band Edge Plot (NR Band n2 – 20.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 264 of 386



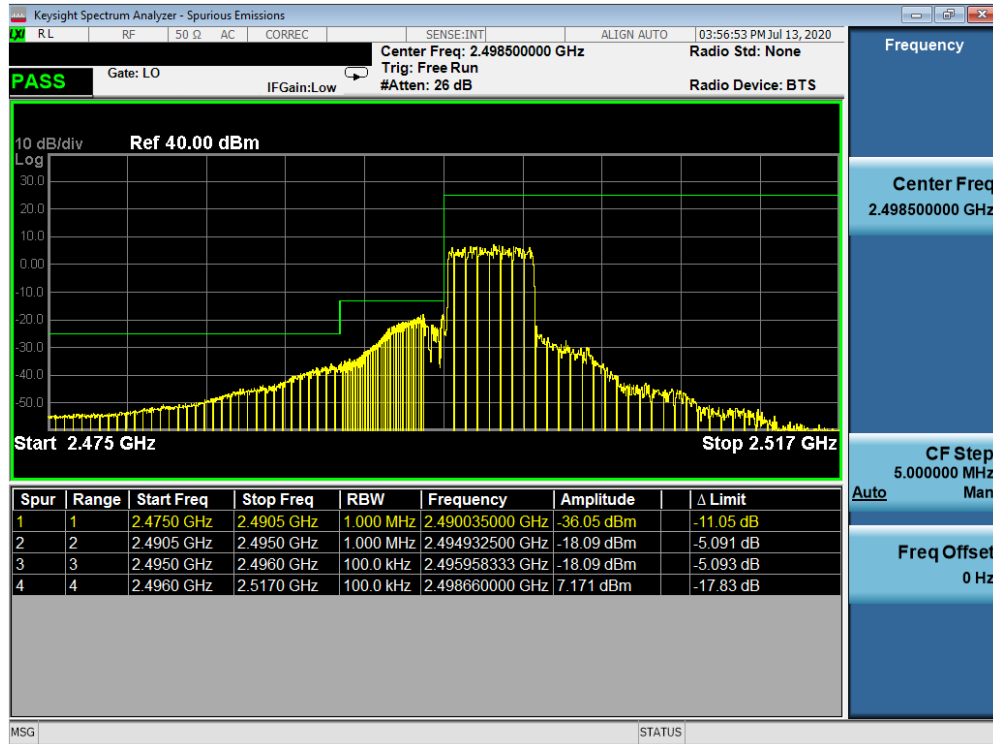
Plot 7-476. Upper Band Edge Plot (NR Band n25 - 20.0MHz - Full RB)



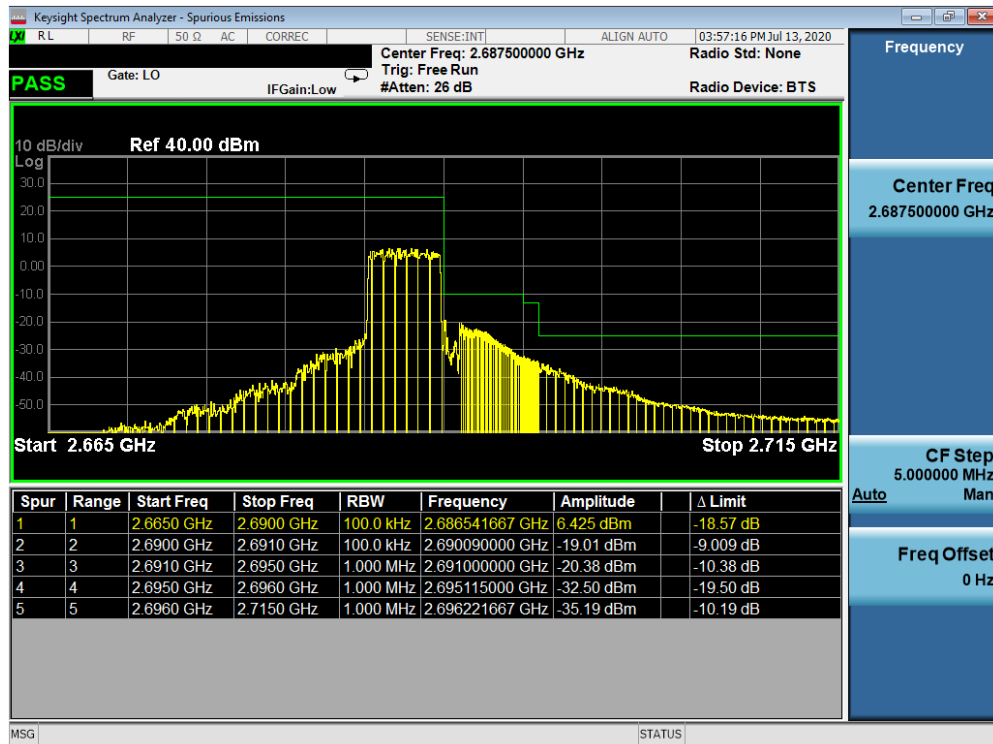
Plot 7-477. Upper Extended Band Edge Plot (NR Band n25 - 20.0MHz - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 265 of 386

Band 41 (PC2)

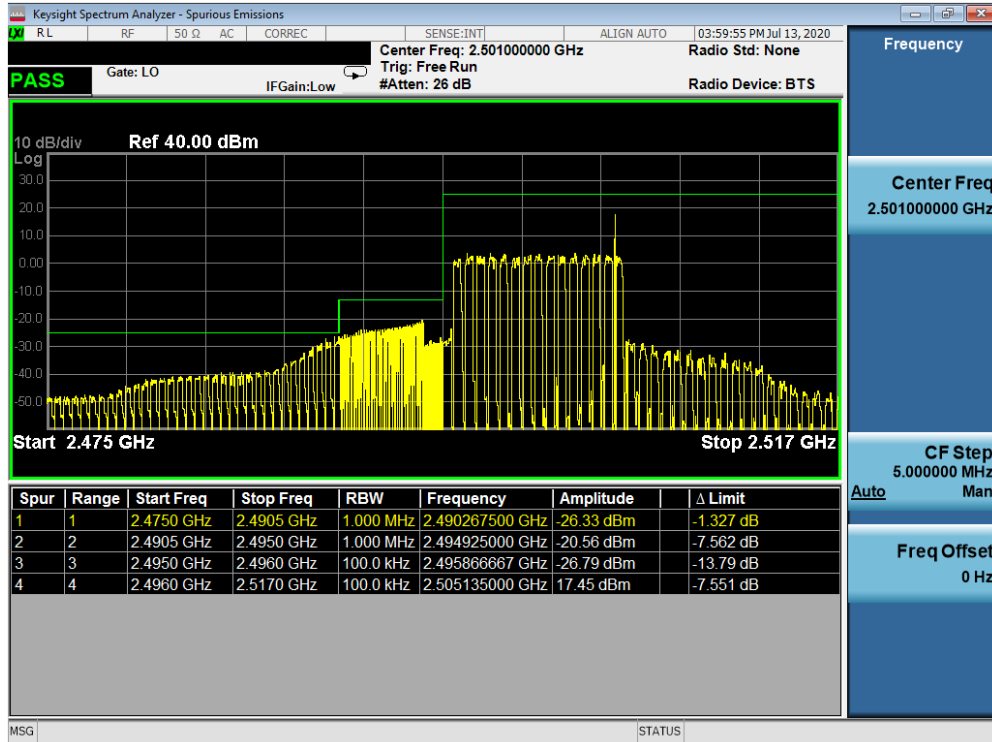


Plot 7-478. Lower ACP Plot (Band 41 - 5MHz QPSK - Full RB Configuration)

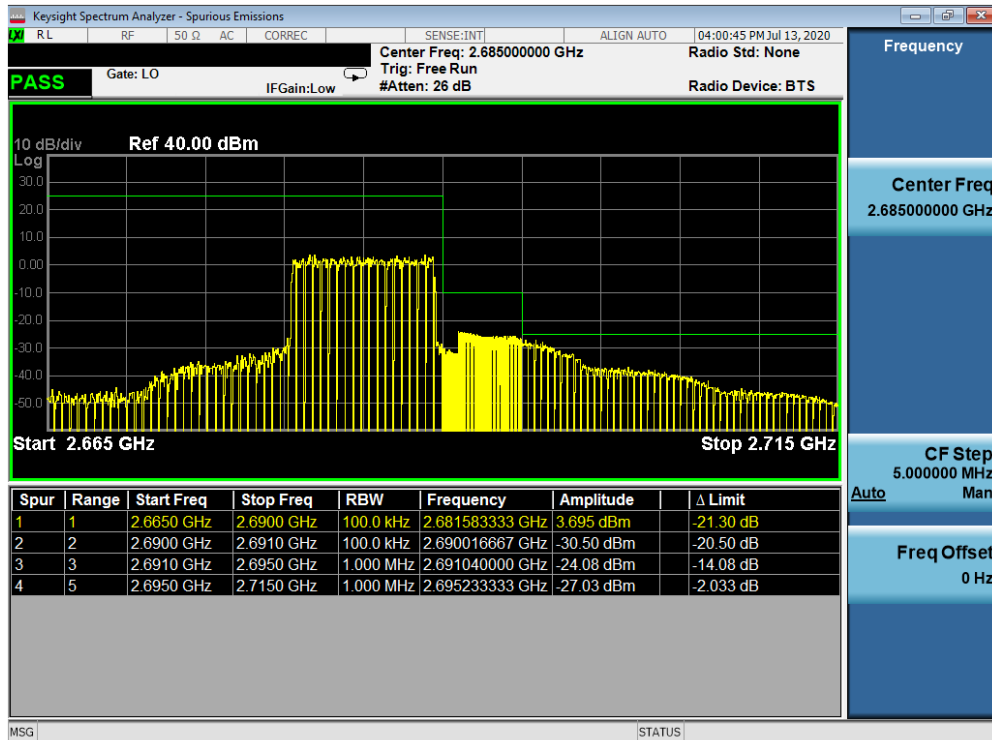


Plot 7-479. Upper ACP Plot (Band 41 - 5MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 266 of 386

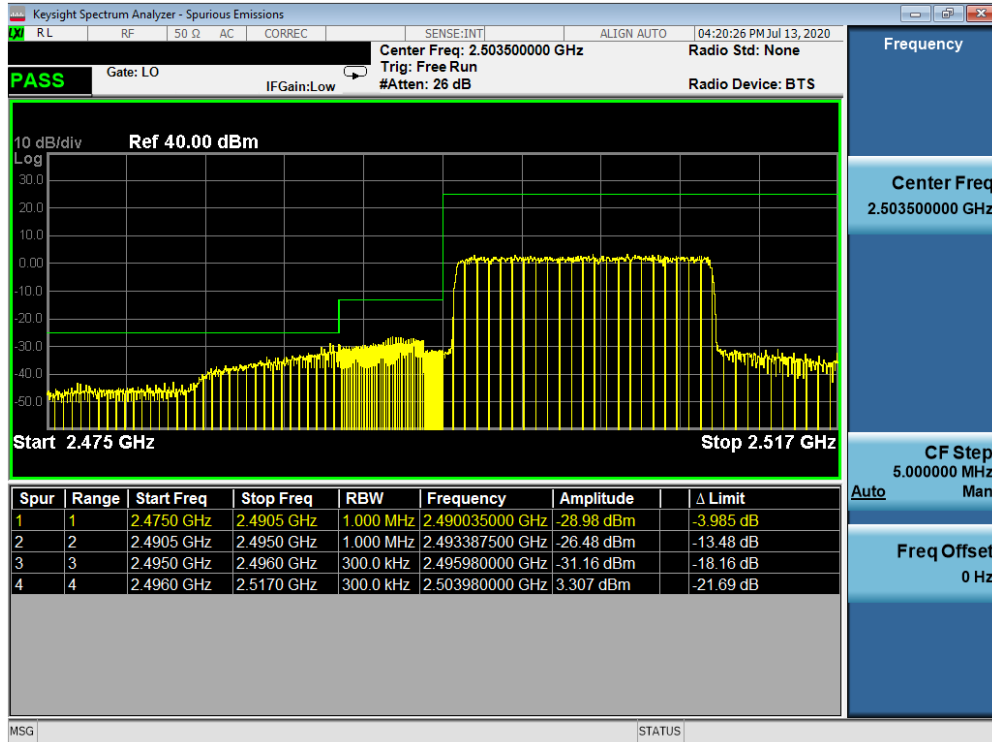


Plot 7-480. Lower ACP Plot (Band 41 - 10MHz QPSK - Full RB Configuration)

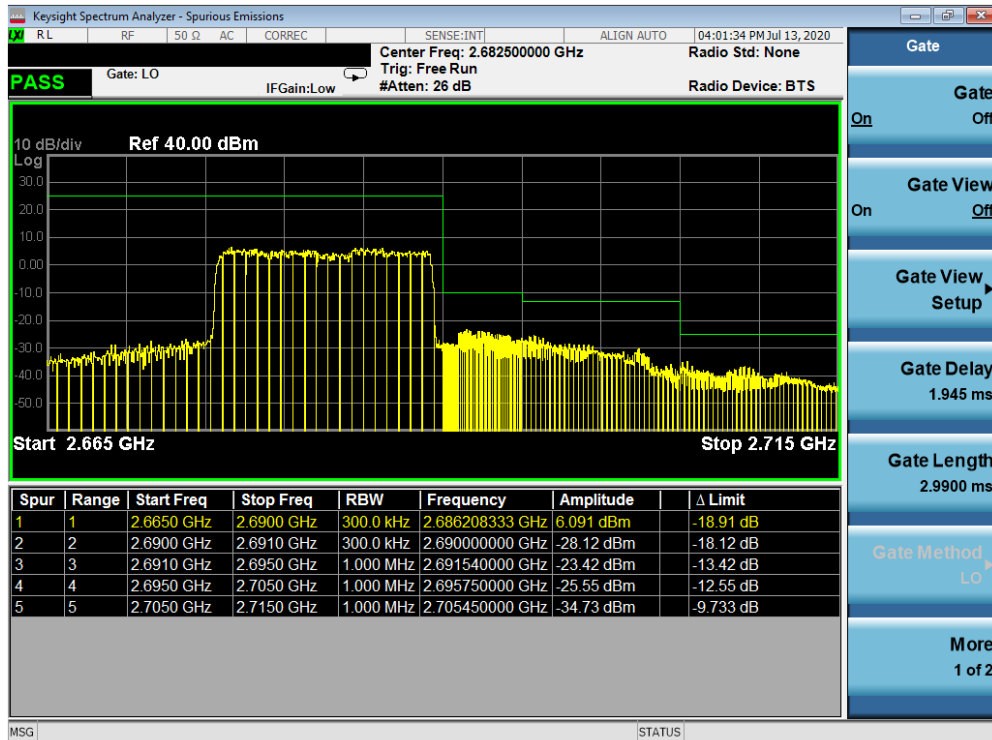


Plot 7-481. Upper ACP Plot (Band 41 - 10MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 267 of 386

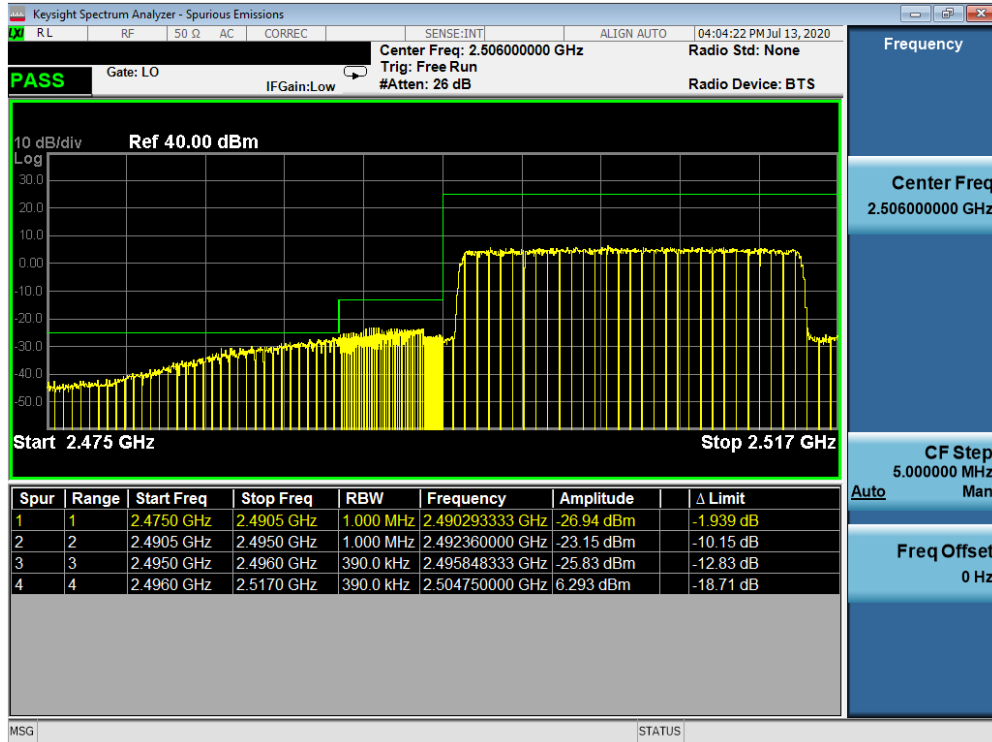


Plot 7-482. Lower ACP Plot (Band 41 - 15MHz QPSK - Full RB Configuration)

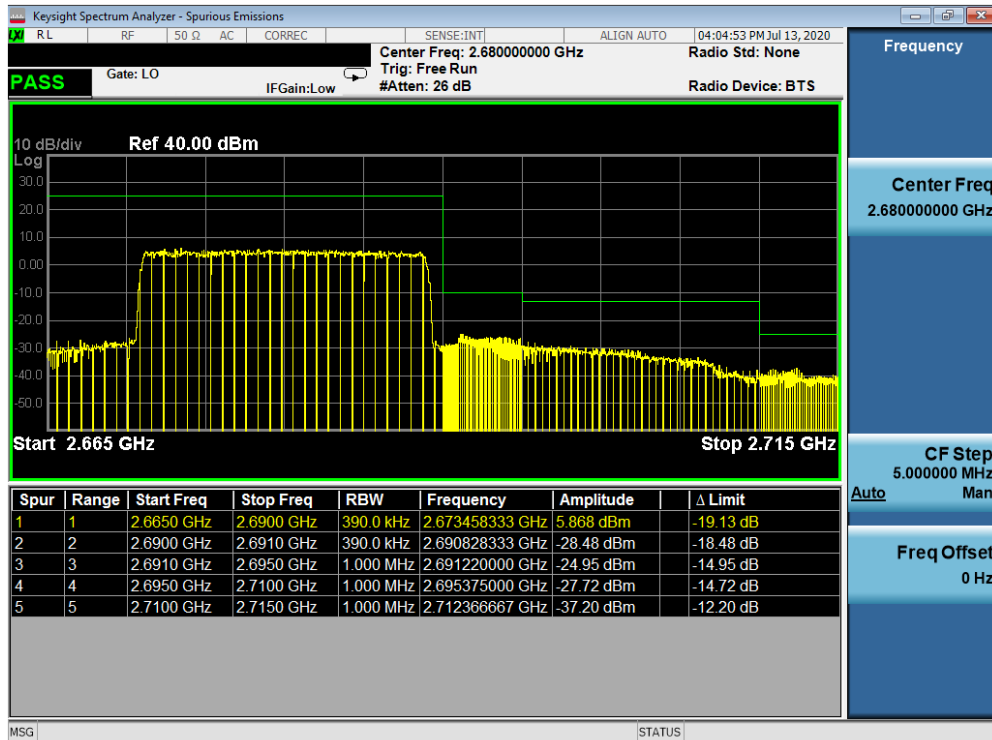


Plot 7-483. Upper ACP Plot (Band 41 - 15MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 268 of 386



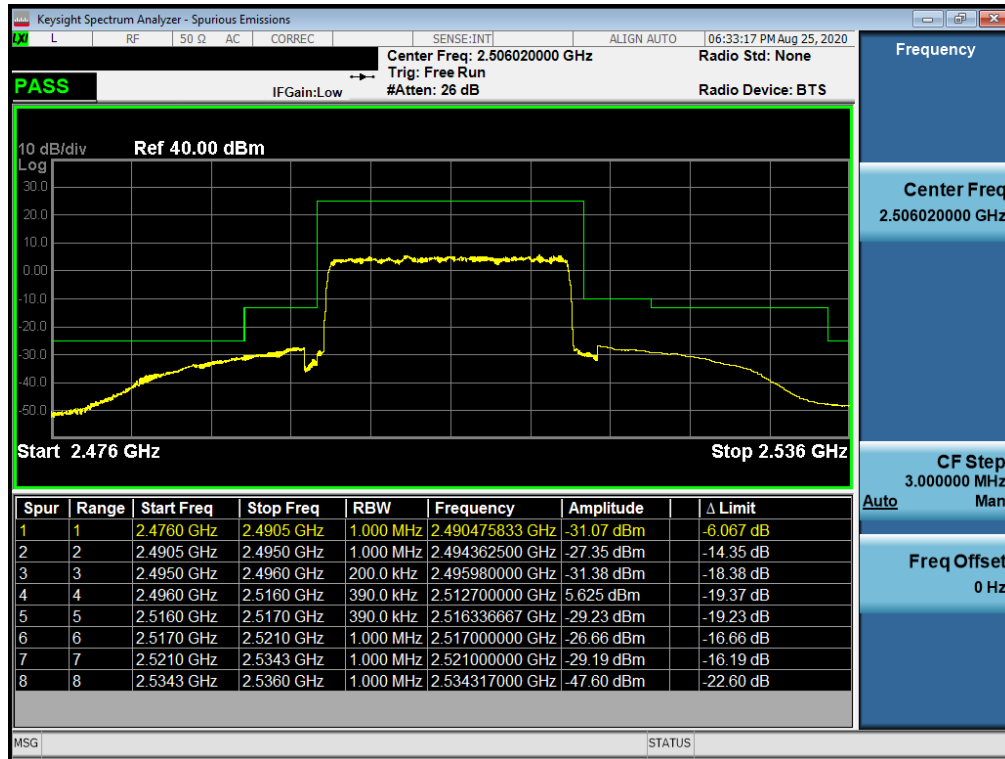
Plot 7-484. Lower ACP Plot (Band 41 - 20MHz QPSK - Full RB Configuration)



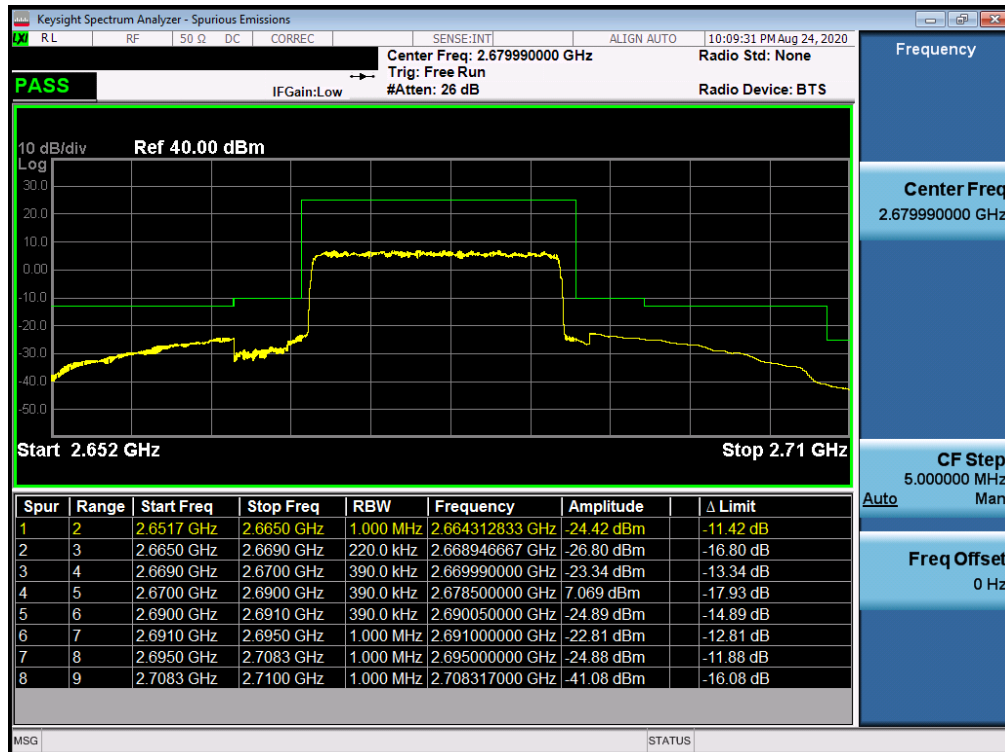
Plot 7-485. Upper ACP Plot (Band 41 - 20MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 269 of 386

NR Band n41

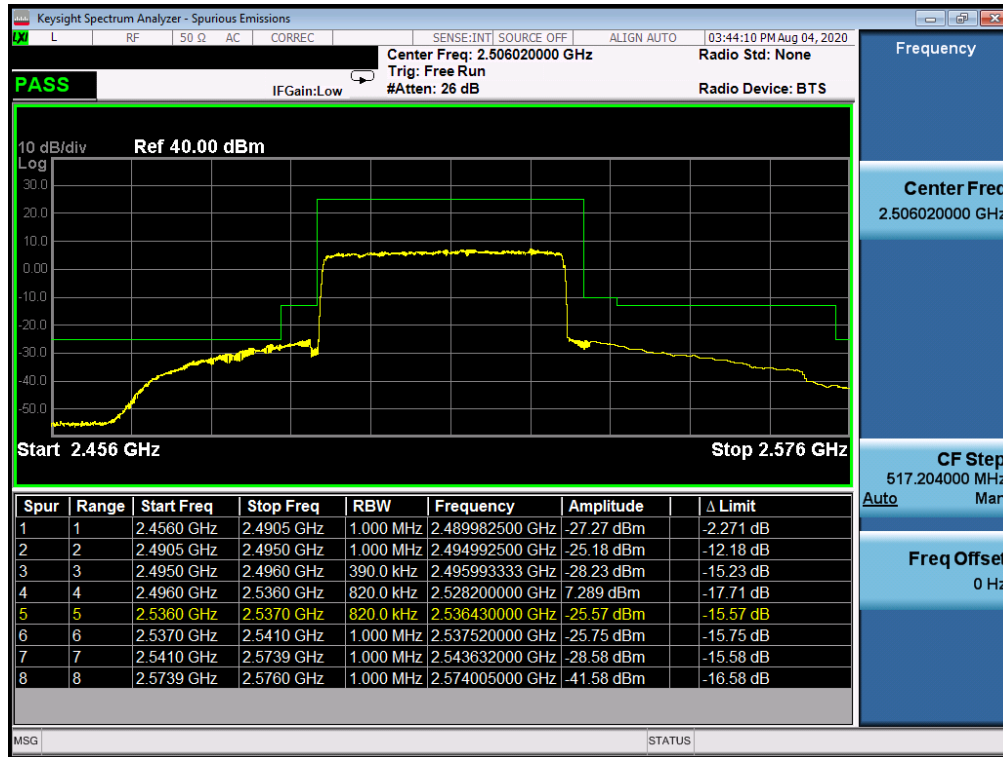


Plot 7-486. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB)

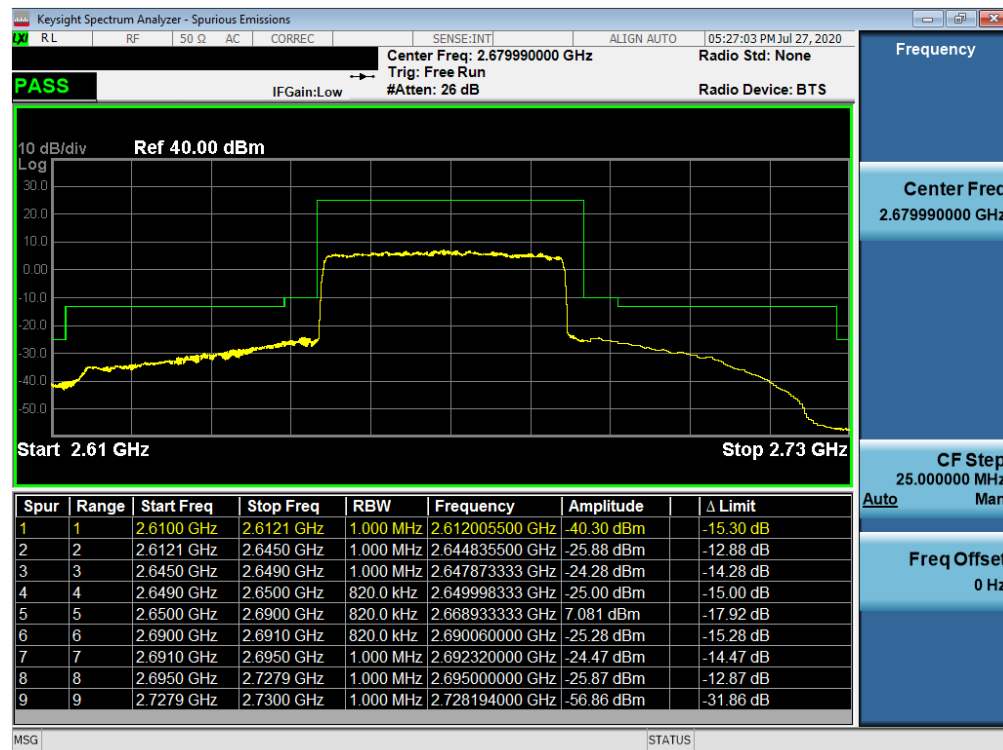


Plot 7-487. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM-QPSK – Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 270 of 386

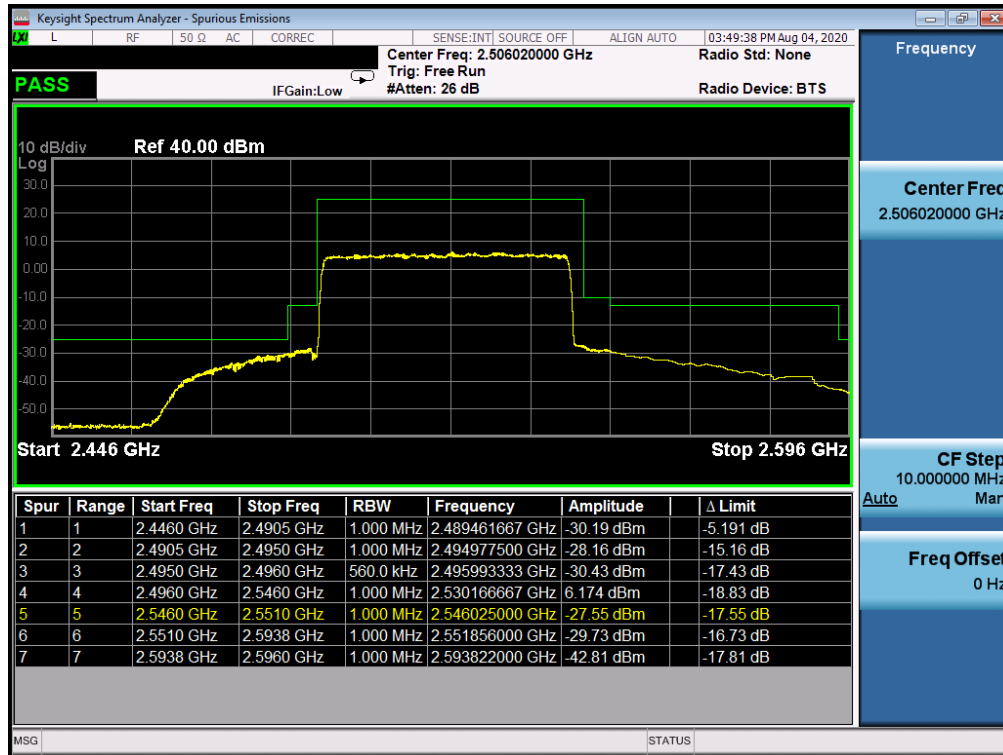


Plot 7-488. Lower ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK - Full RB)

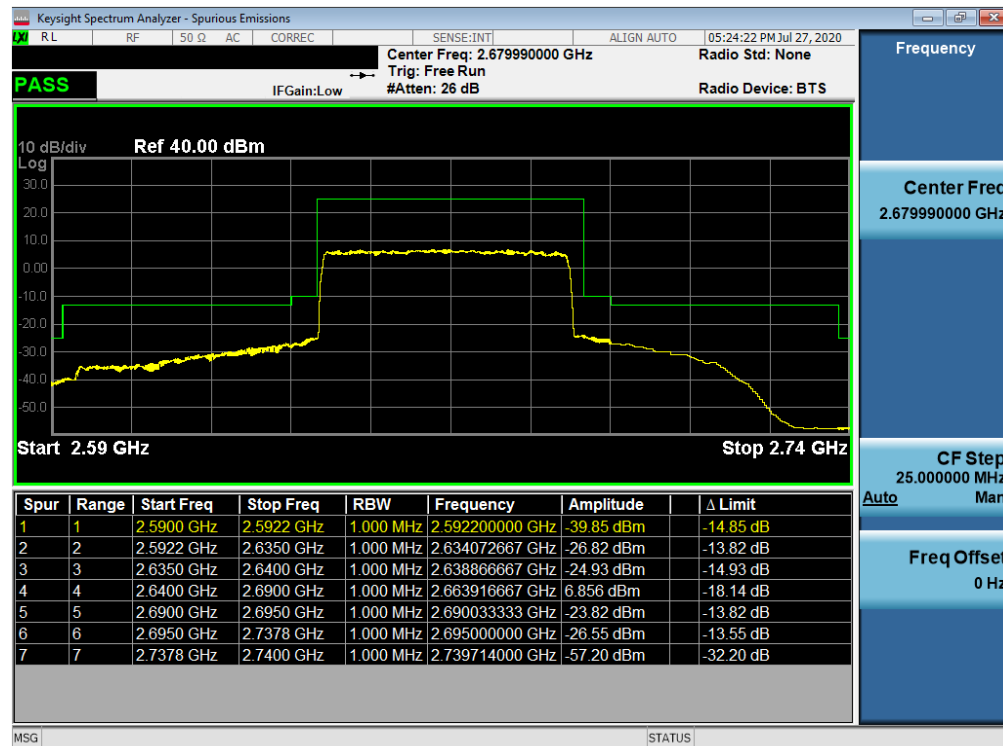


Plot 7-489. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM-QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 271 of 386

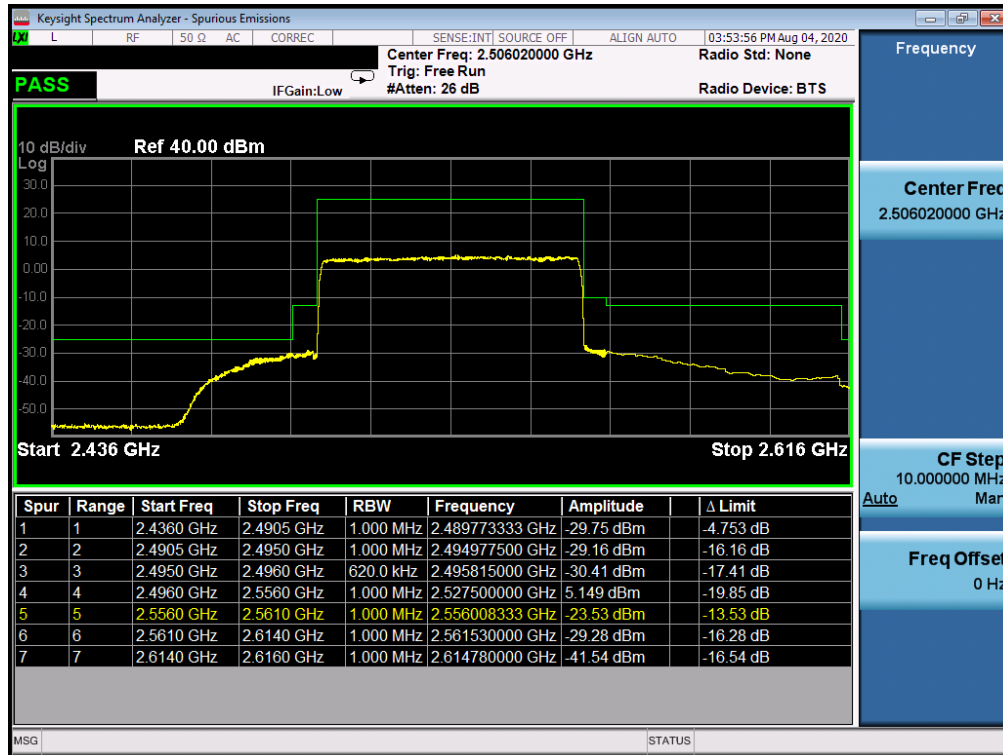


Plot 7-490. Lower ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK - Full RB)

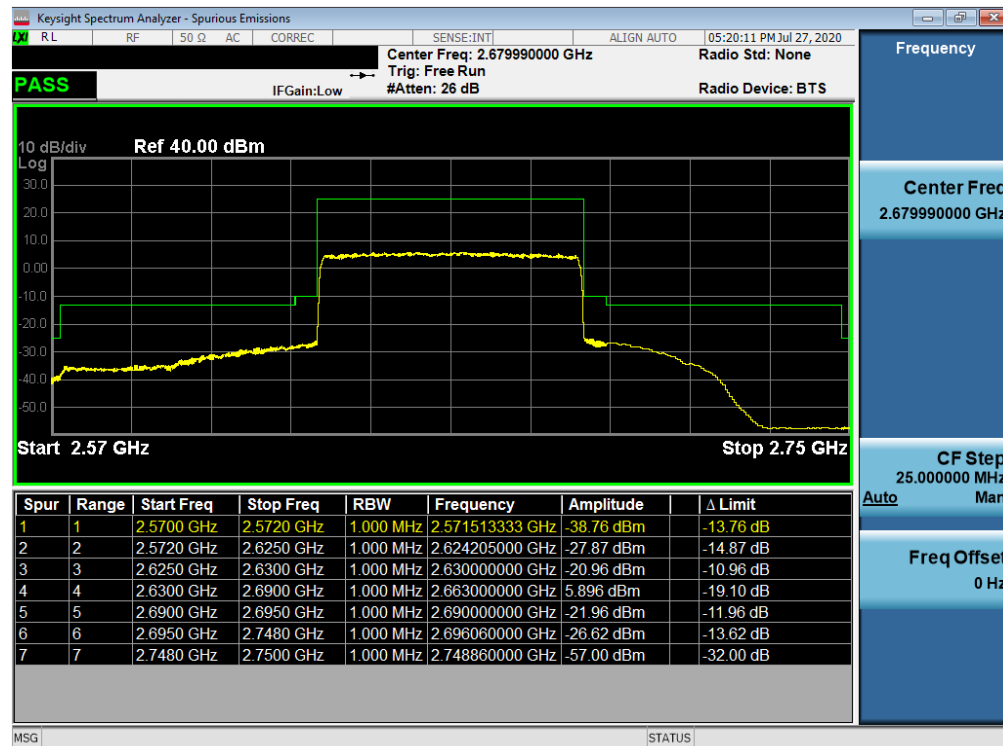


Plot 7-491. Upper ACP Plot (NR Band n41 - 50MHz CP-OFDM-QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 272 of 386

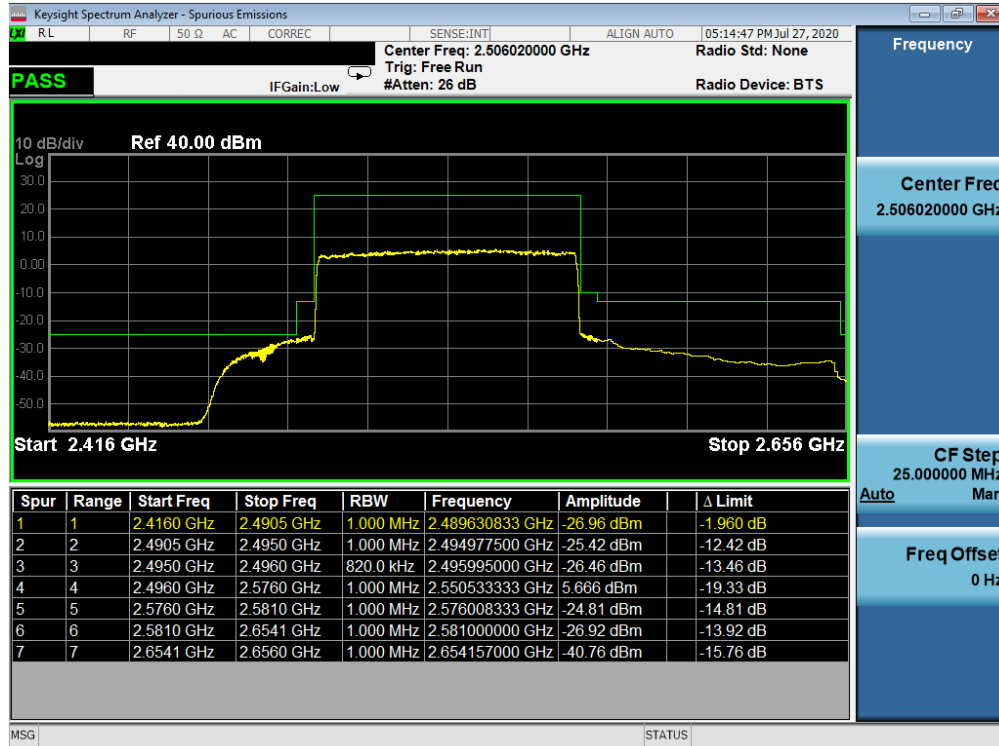


Plot 7-492. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK - Full RB)



Plot 7-493. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM-QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 273 of 386

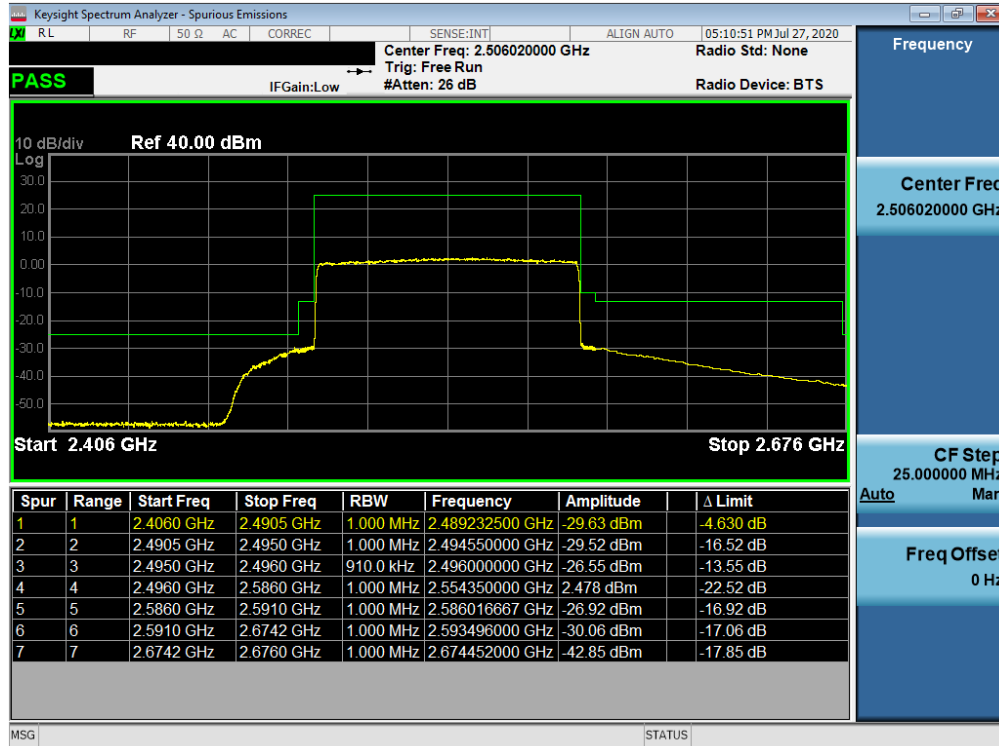


Plot 7-494. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK - Full RB)



Plot 7-495. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM-QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 274 of 386



Plot 7-496. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK - Full RB)

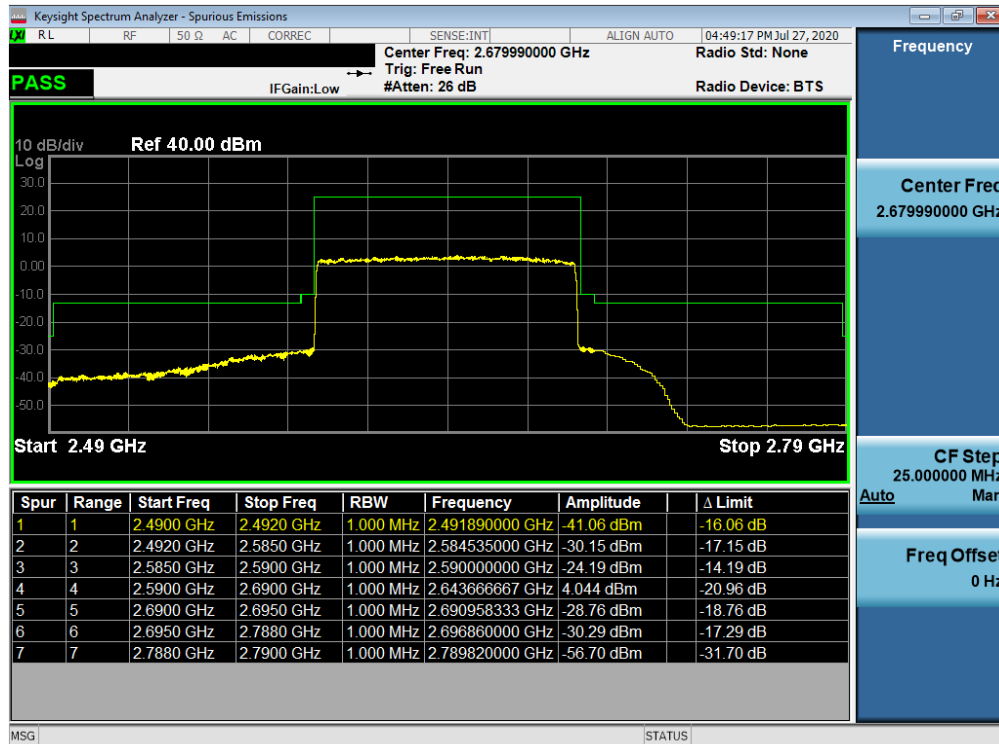


Plot 7-497. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM-QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 275 of 386



Plot 7-498. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK - Full RB)



Plot 7-499. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM-QPSK - Full RB)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 276 of 386

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.

Test Setup

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

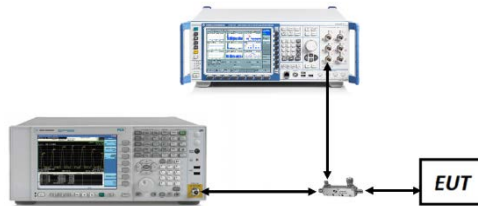


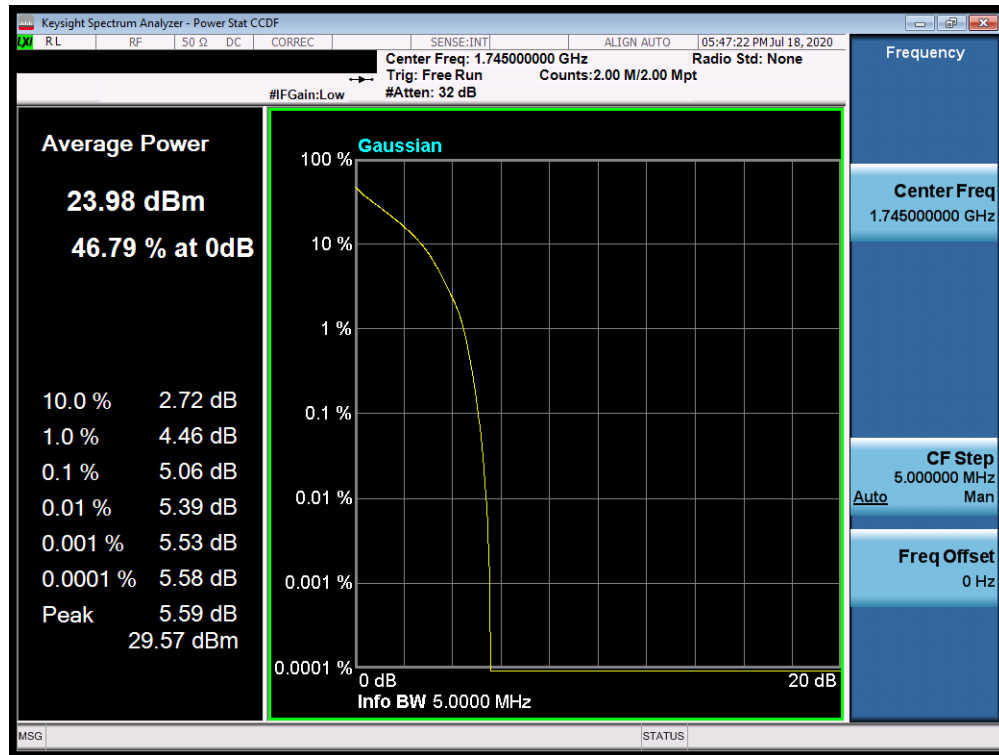
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

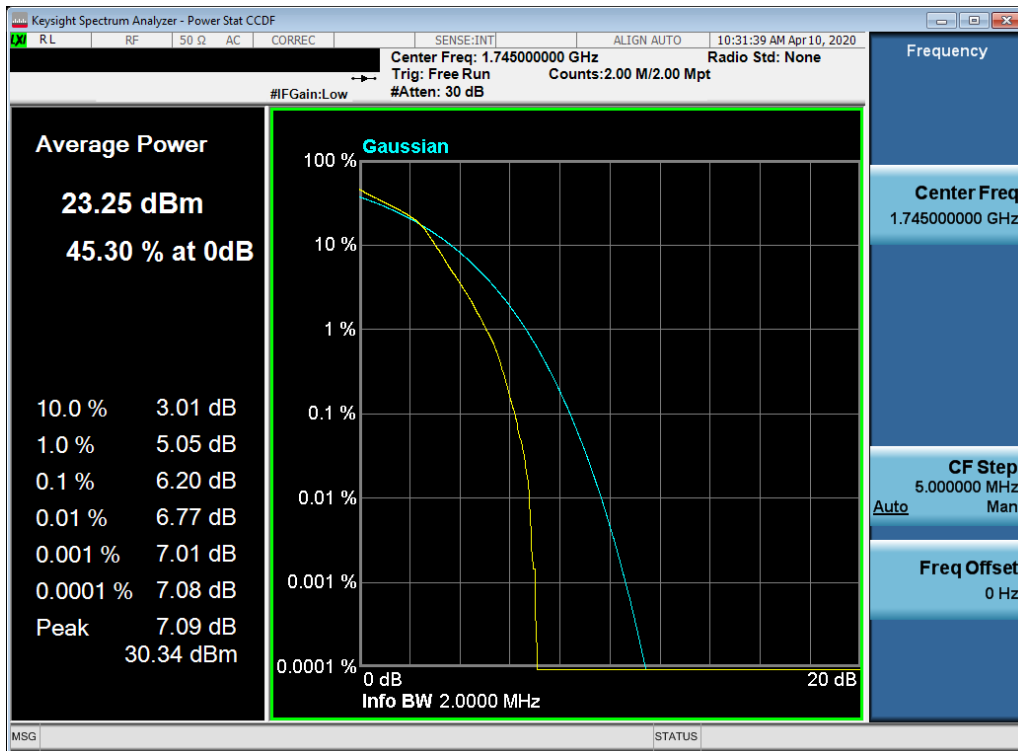
None.

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 – 9/10/2020	EUT Type: Portable Handset		Page 277 of 386

Band 66/4

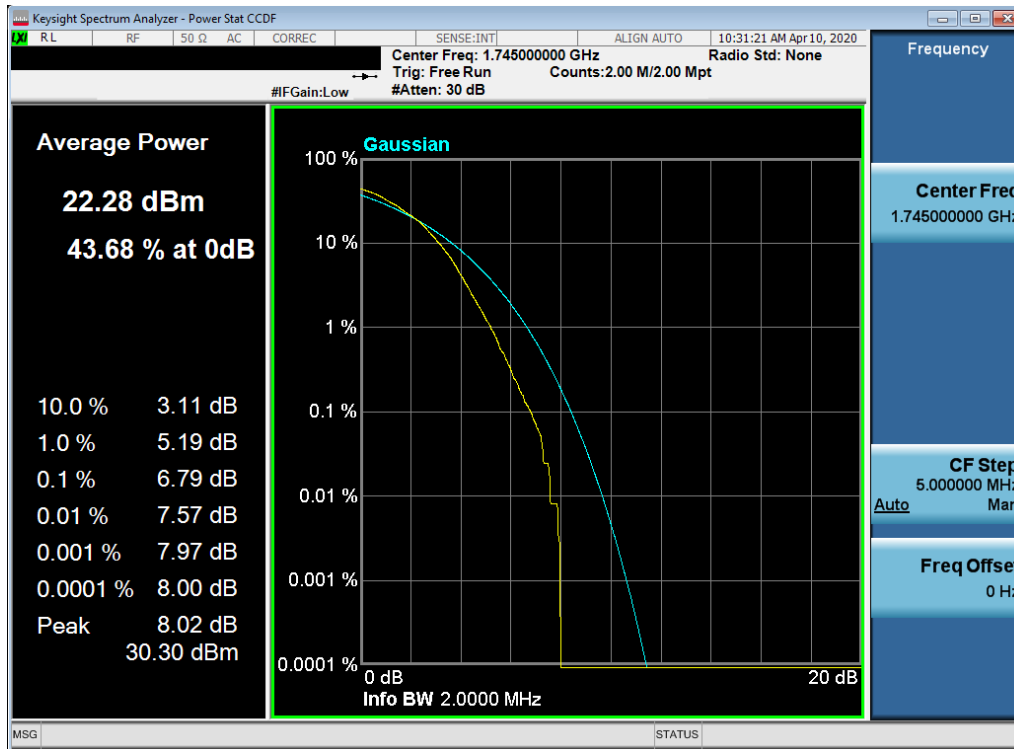


Plot 7-500. PAR Plot (Band 66/4 - 1.4MHz QPSK - Full RB Configuration)

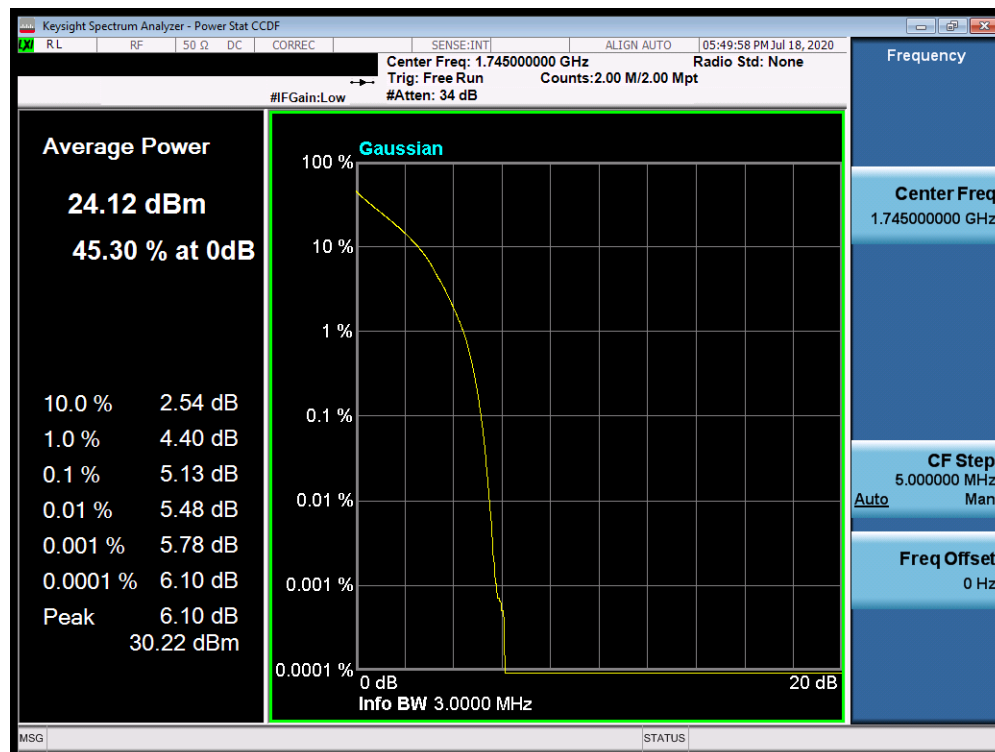


Plot 7-501. PAR Plot (Band 66/4 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 278 of 386

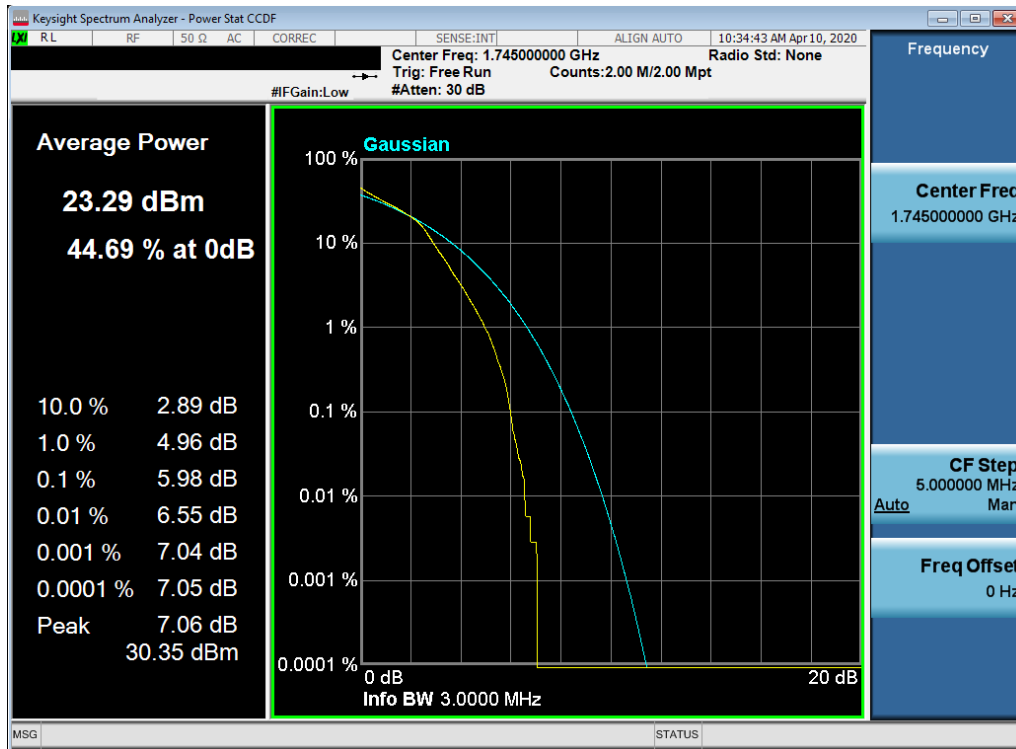


Plot 7-502. PAR Plot (Band 66/4 - 1.4MHz 64-QAM - Full RB Configuration)

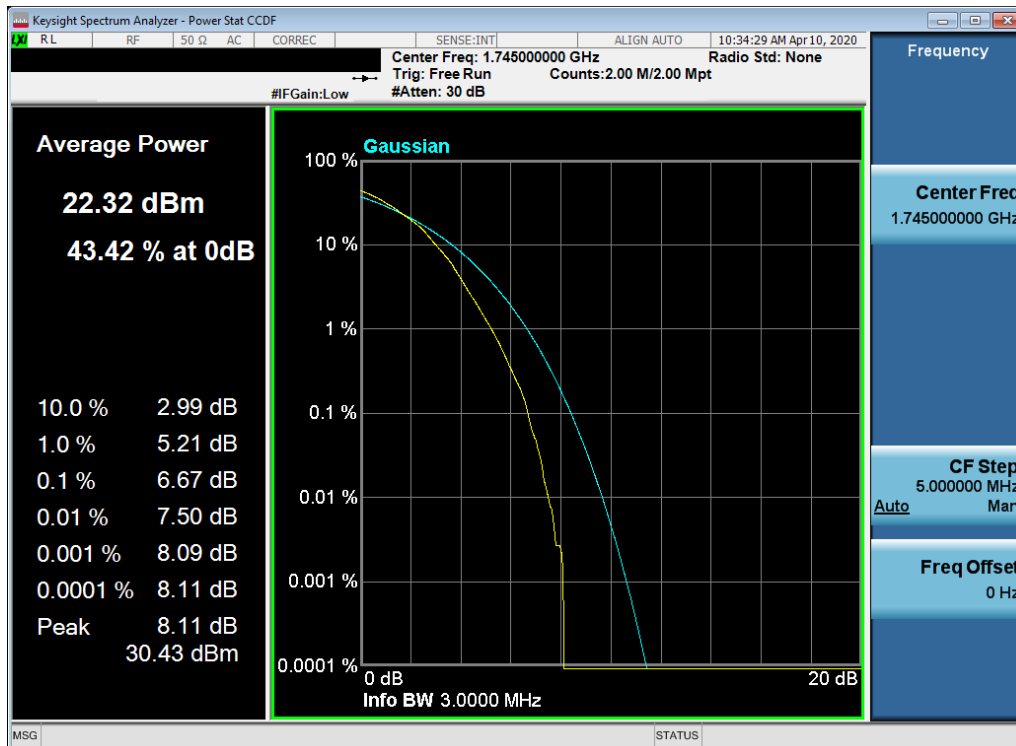


Plot 7-503. PAR Plot (Band 66/4 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 279 of 386

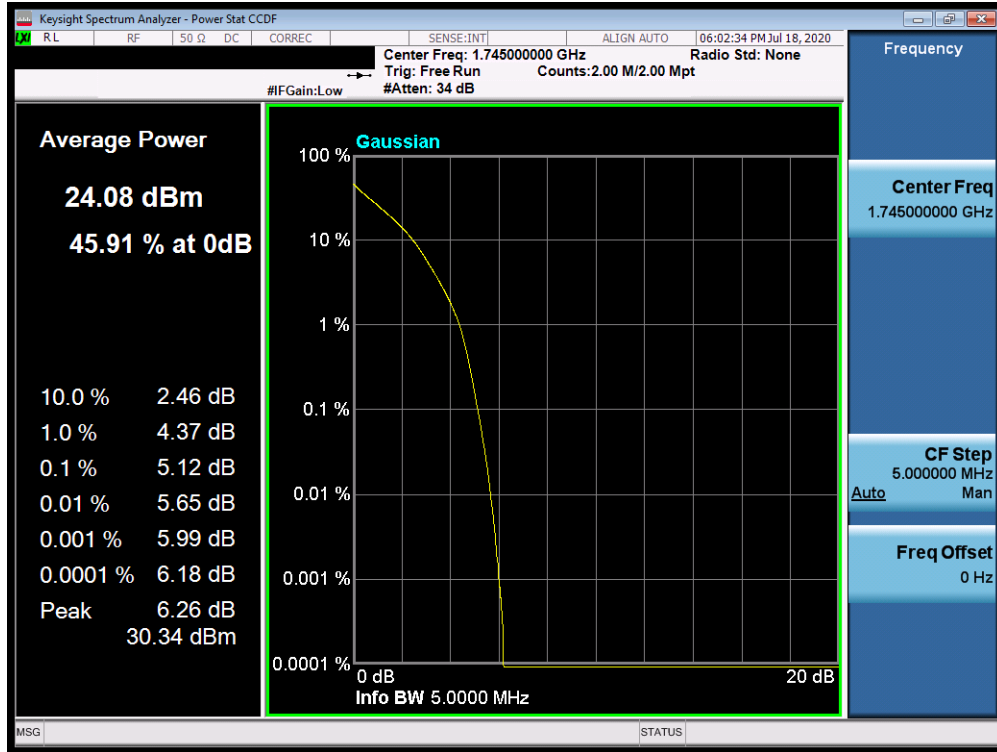


Plot 7-504. PAR Plot (Band 66/4 - 3.0MHz 16-QAM - Full RB Configuration)

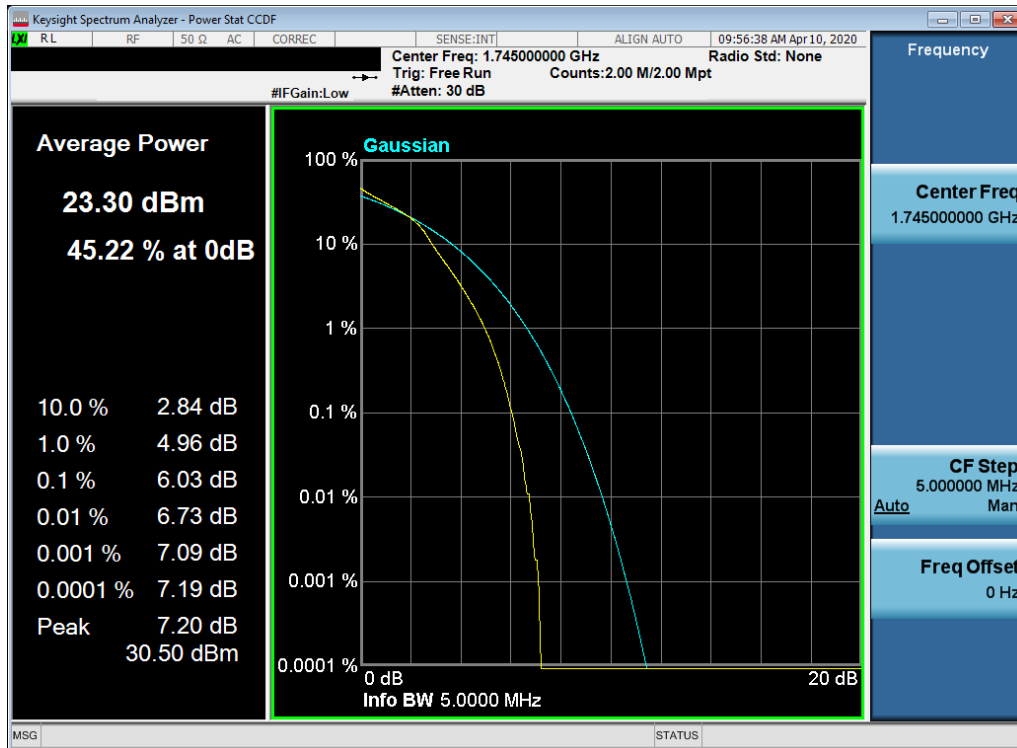


Plot 7-505. PAR Plot (Band 66/4 - 3.0MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 280 of 386

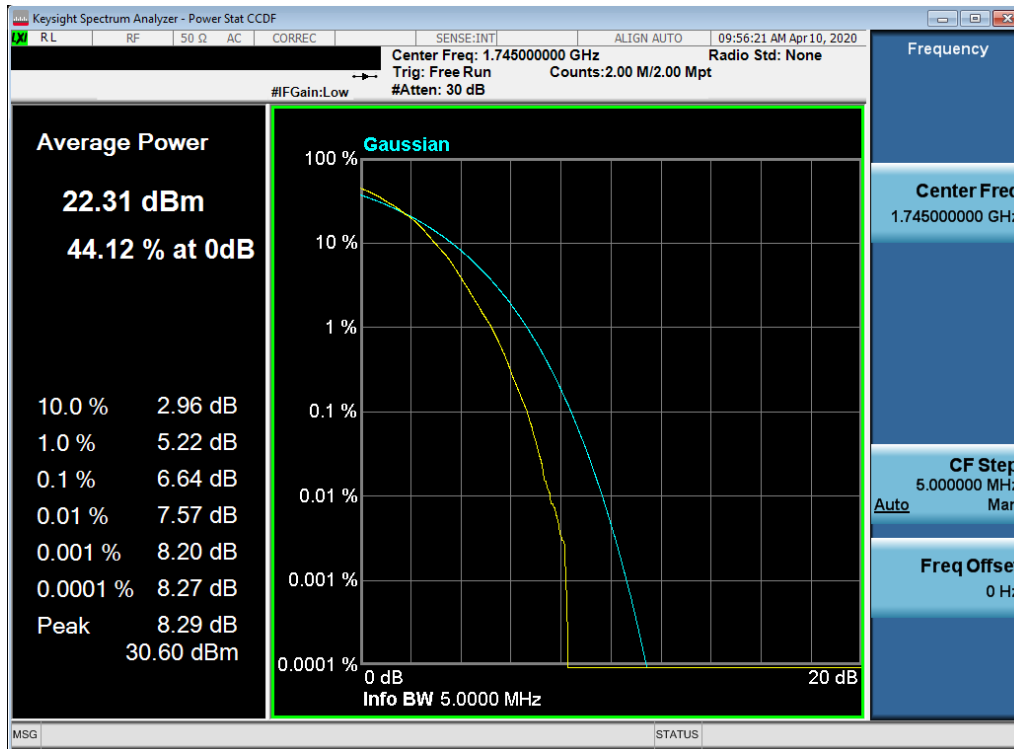


Plot 7-506. PAR Plot (Band 66/4 - 5.0MHz QPSK - Full RB Configuration)

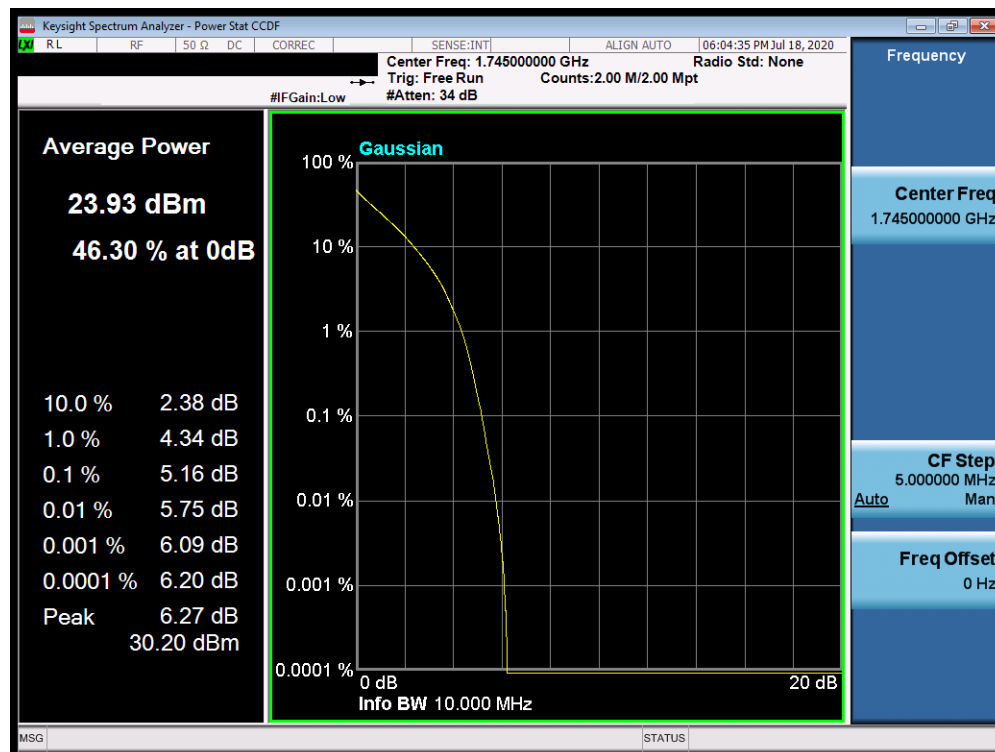


Plot 7-507. PAR Plot (Band 66/4 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 281 of 386

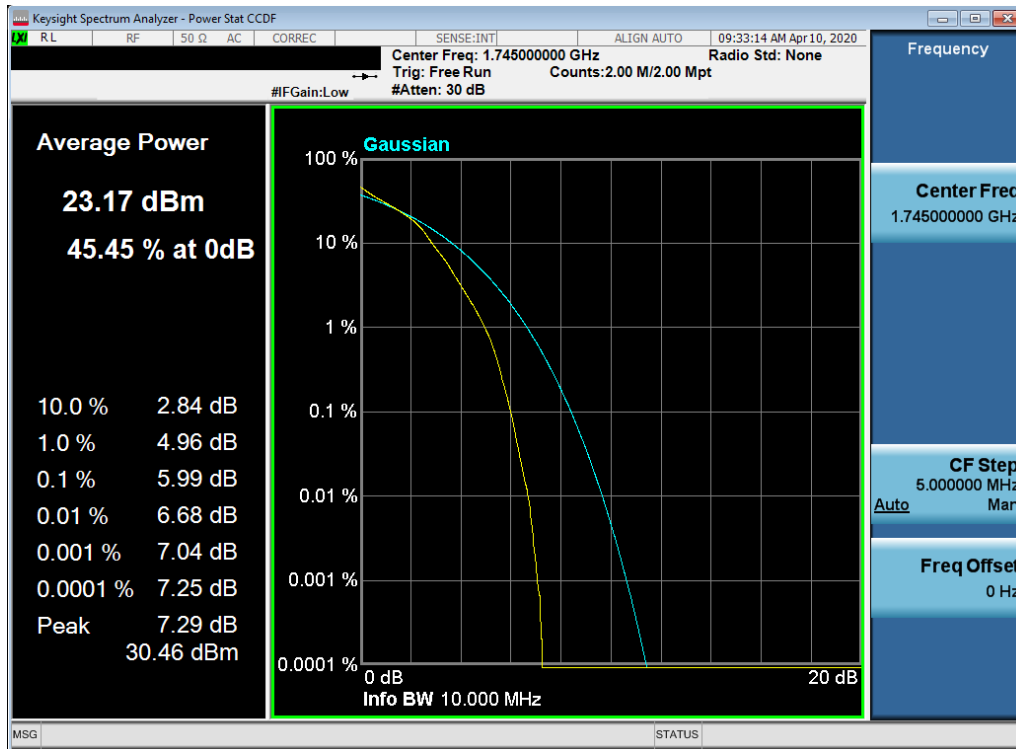


Plot 7-508. PAR Plot (Band 66/4 - 5.0MHz 64-QAM - Full RB Configuration)

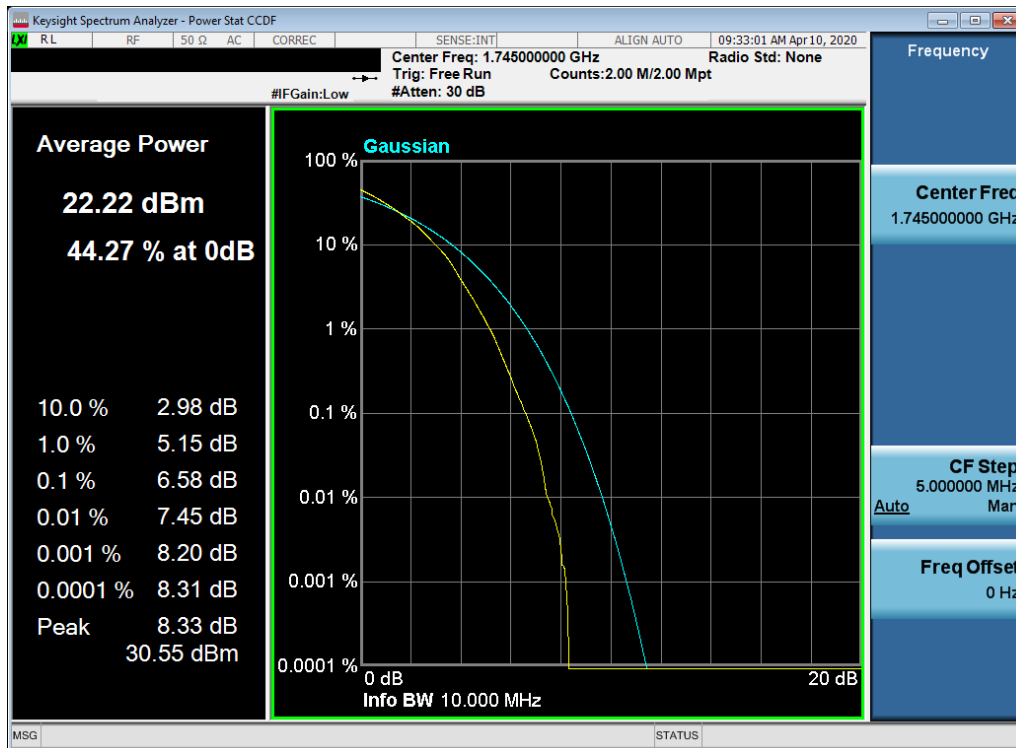


Plot 7-509. PAR Plot (Band 66/4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 282 of 386

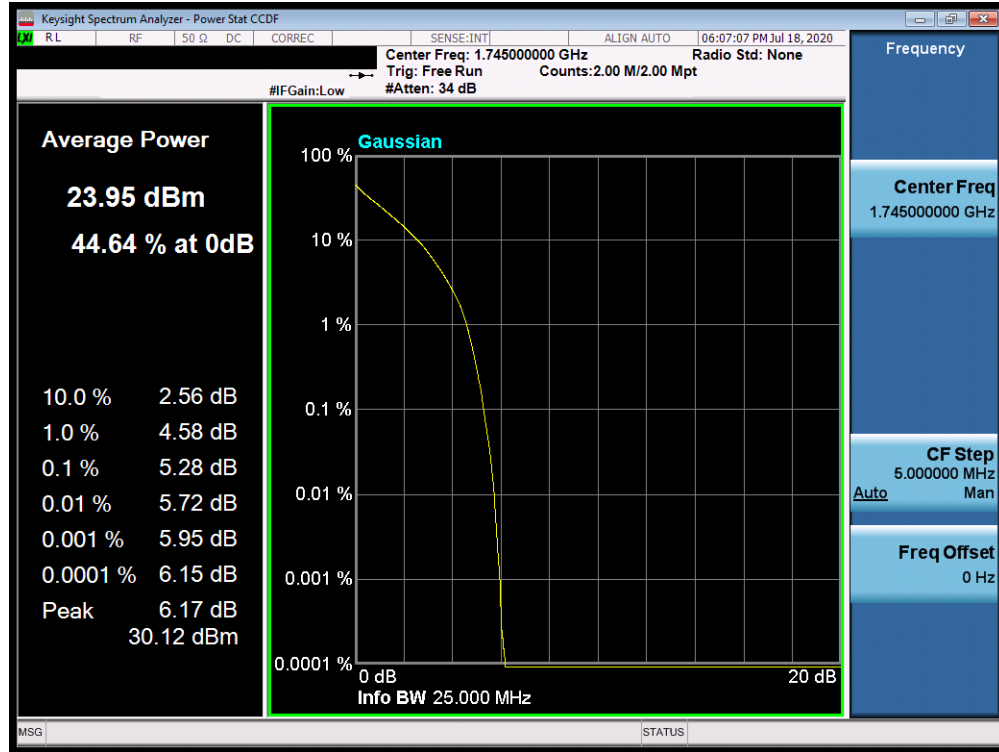


Plot 7-510. PAR Plot (Band 66/4 - 10.0MHz 16-QAM - Full RB Configuration)

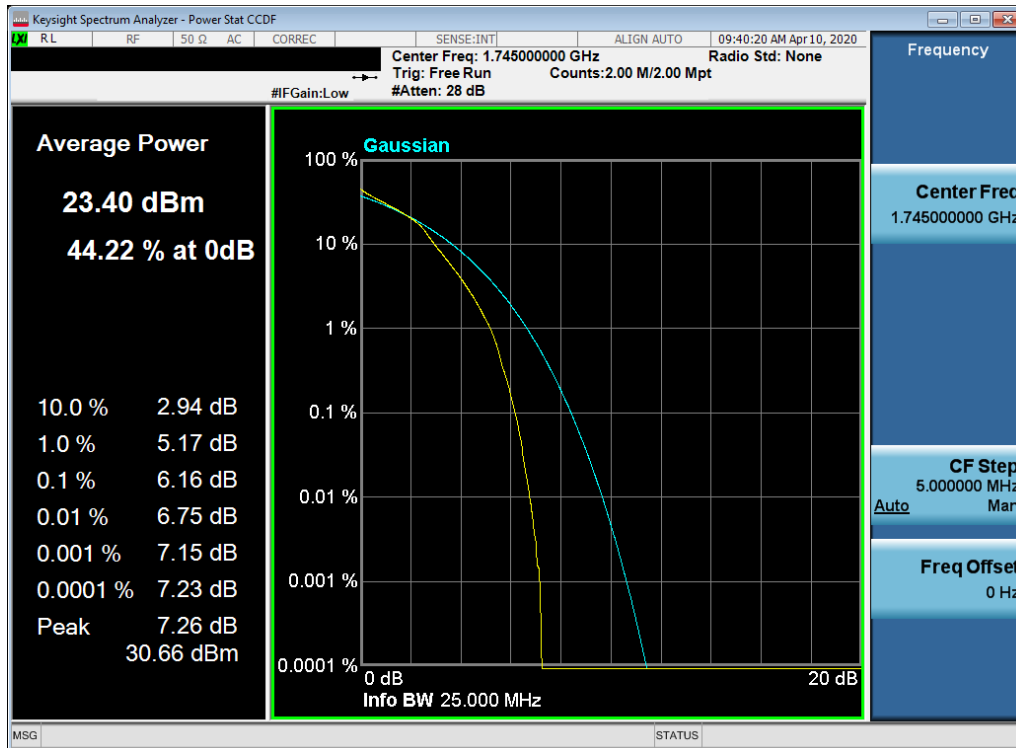


Plot 7-511. PAR Plot (Band 66/4 - 10.0MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 283 of 386

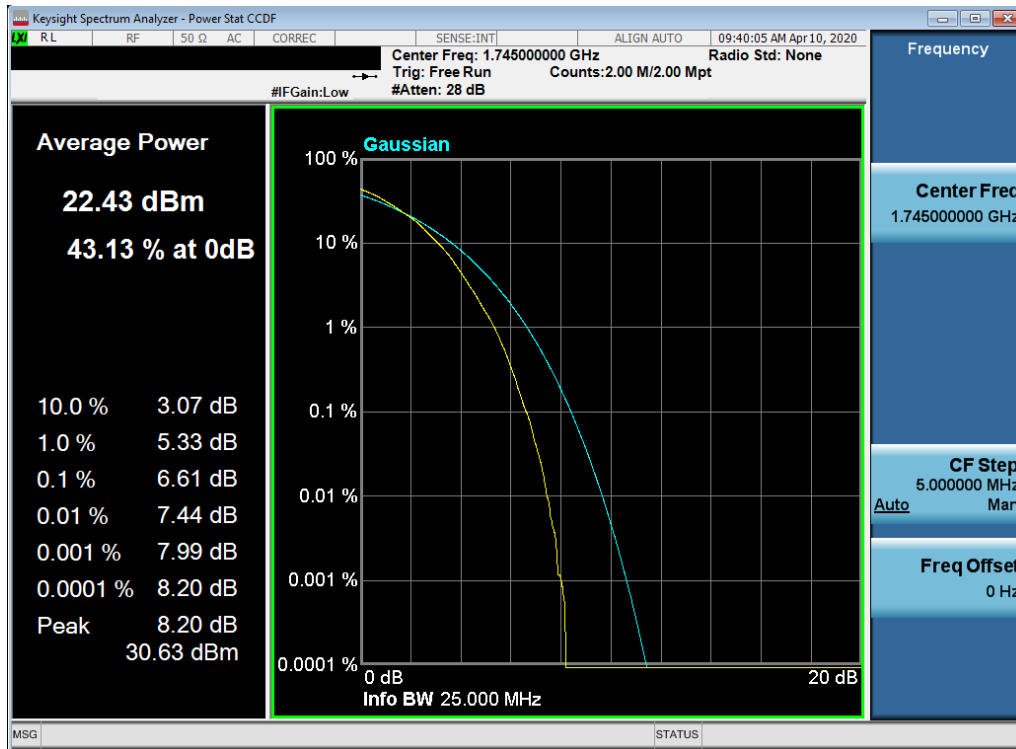


Plot 7-512. PAR Plot (Band 66/4 - 15.0MHz QPSK - Full RB Configuration)

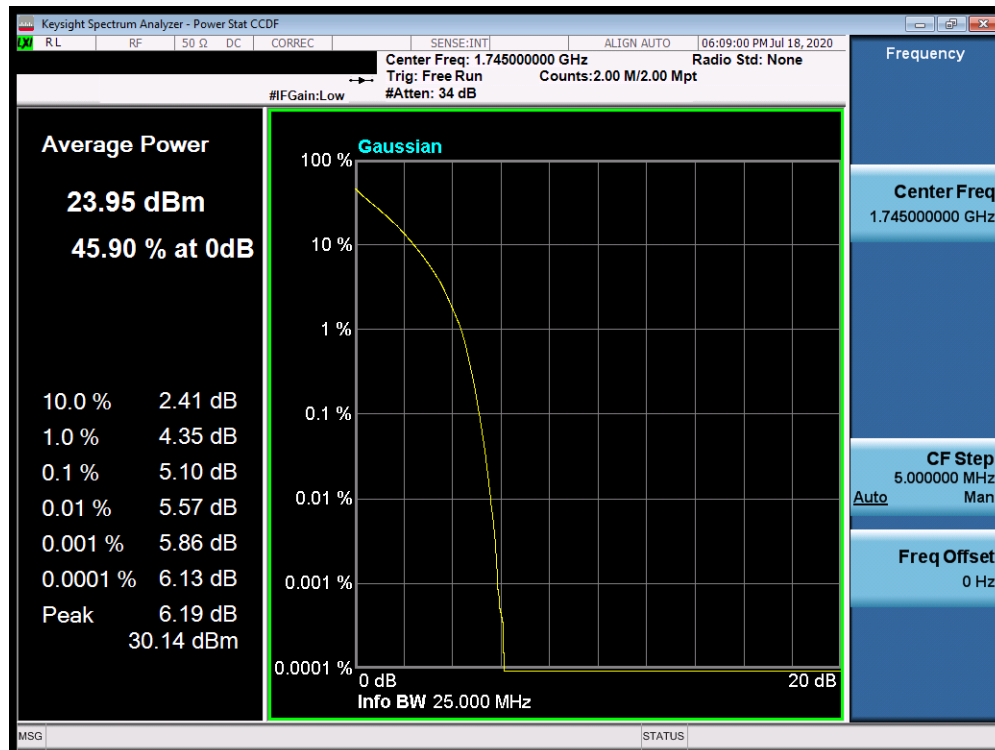


Plot 7-513. PAR Plot (Band 66/4 - 15.0MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset	Page 284 of 386

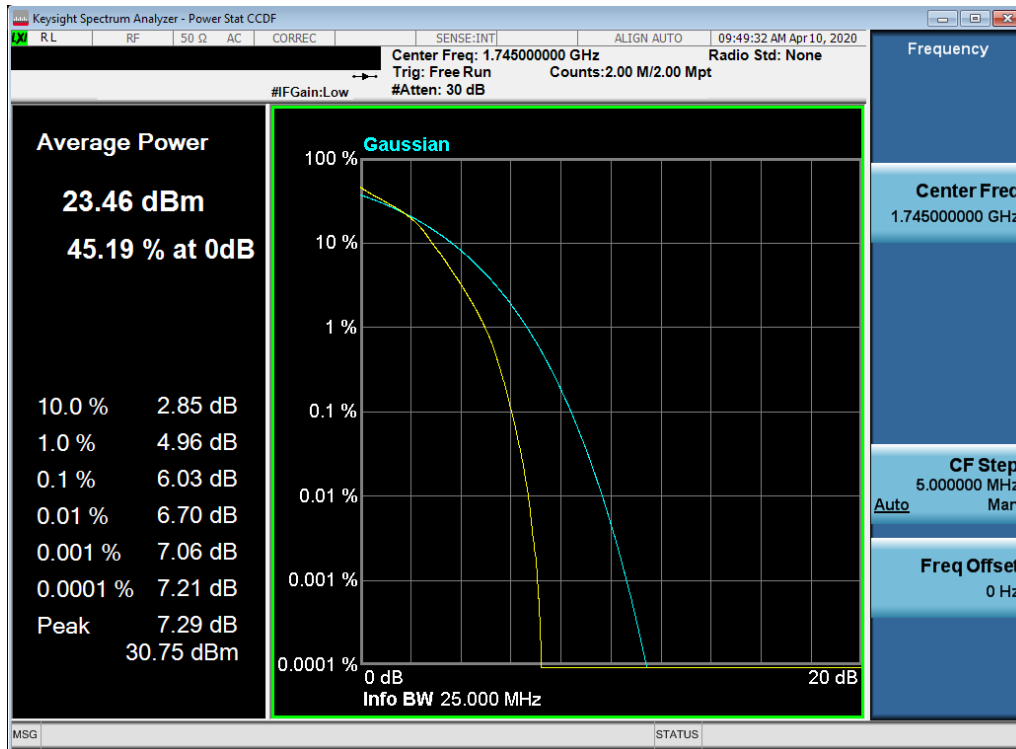


Plot 7-514. PAR Plot (Band 66/4 - 15.0MHz 64-QAM - Full RB Configuration)

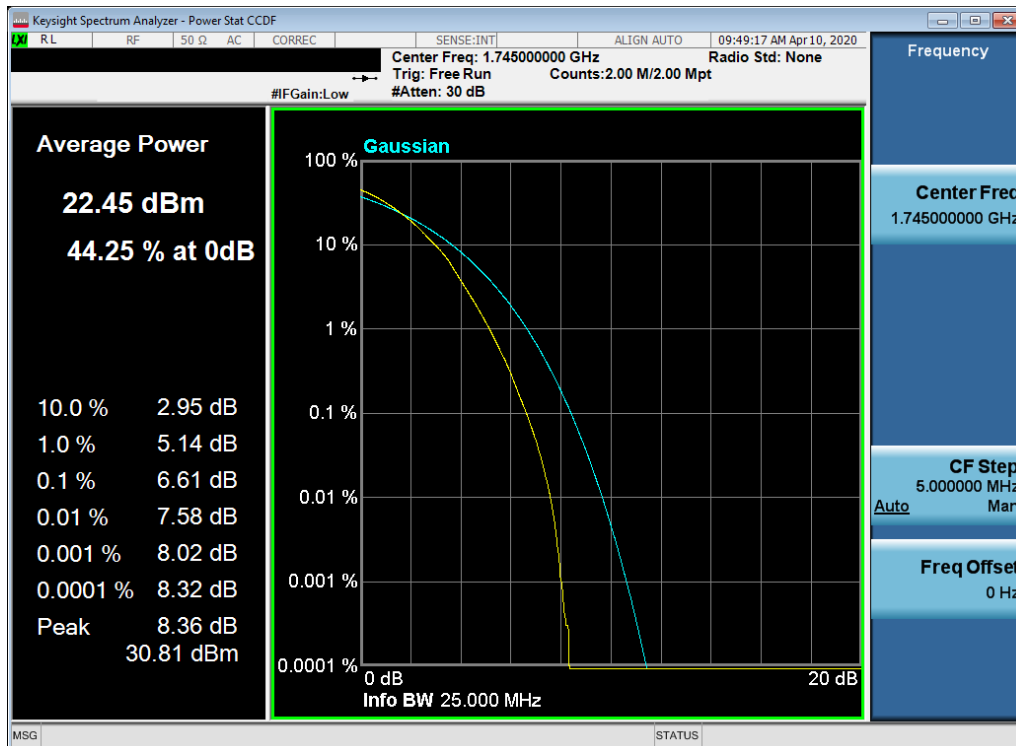


Plot 7-515. PAR Plot (Band 66/4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 285 of 386



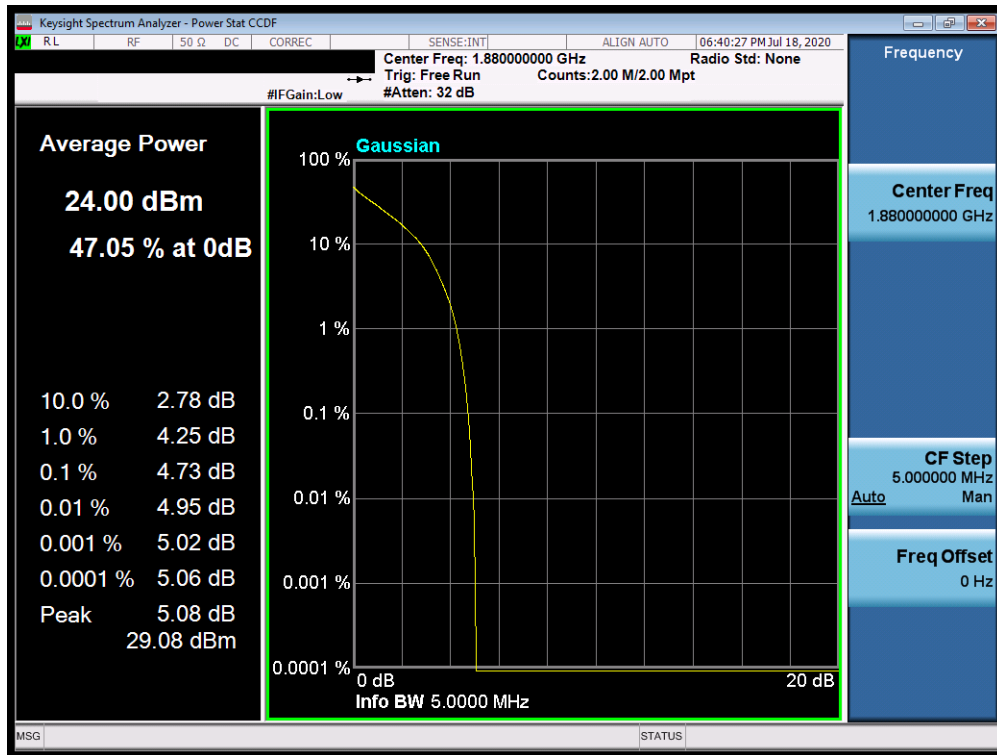
Plot 7-516. PAR Plot (Band 66/4 - 20.0MHz 16-QAM - Full RB Configuration)



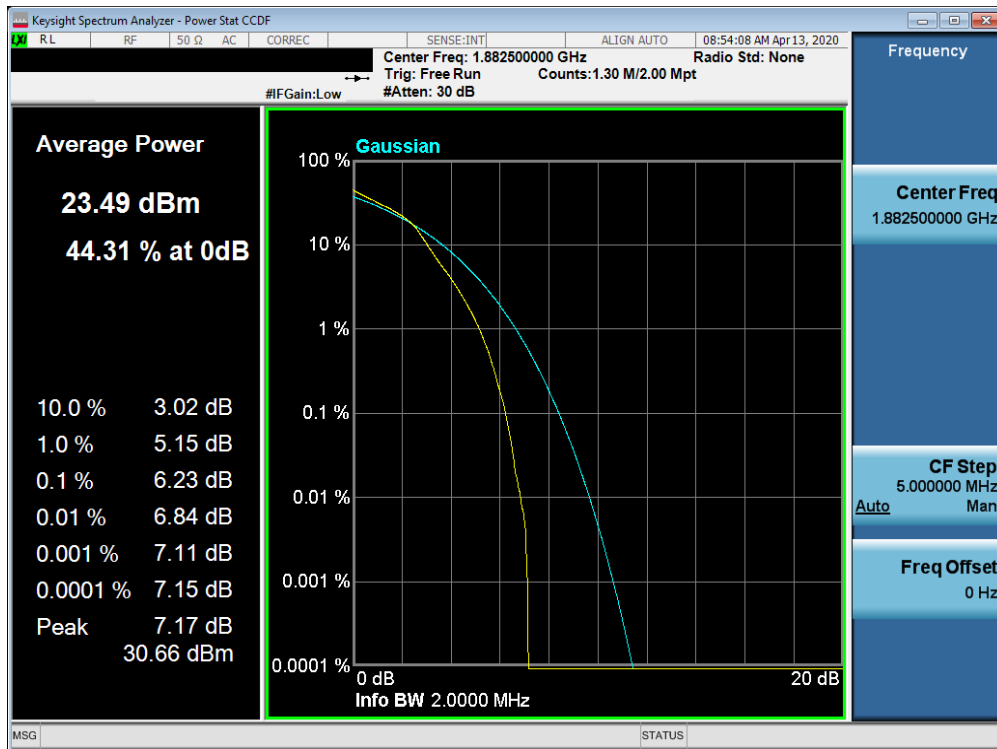
Plot 7-517. PAR Plot (Band 66/4 - 20.0MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 286 of 386

Band 25/2



Plot 7-518. PAR Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)



Plot 7-519. PAR Plot (Band 25/2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFF100TM	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M2006150095-03.ZNF	Test Dates: 6/28 - 9/10/2020	EUT Type: Portable Handset		Page 287 of 386