

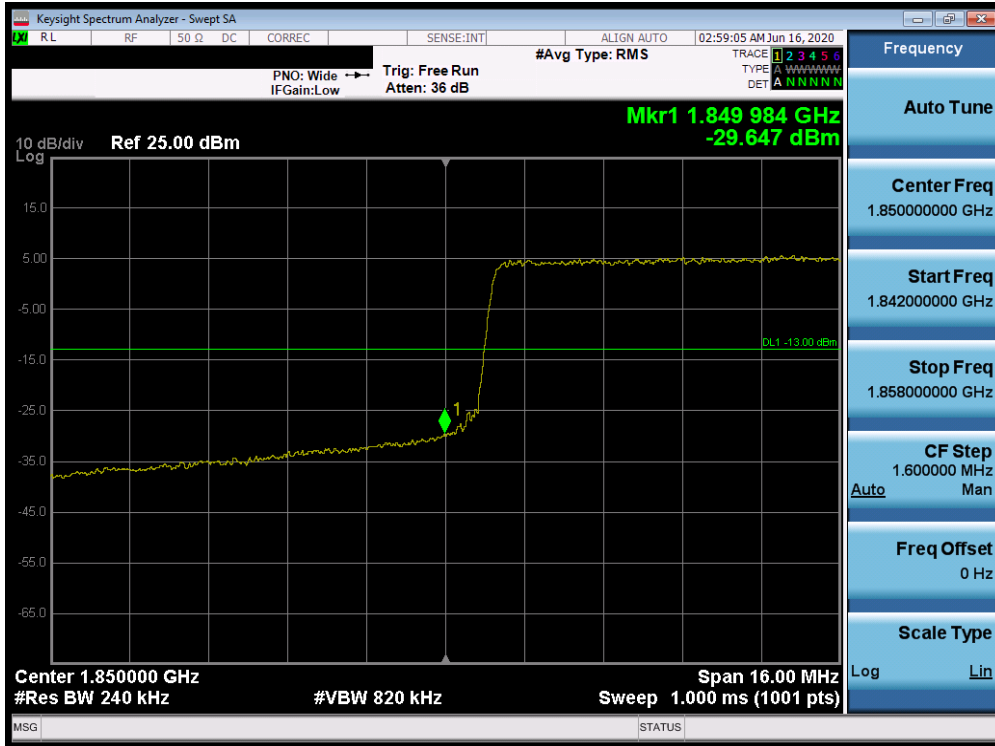


Plot 7-515. Upper Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

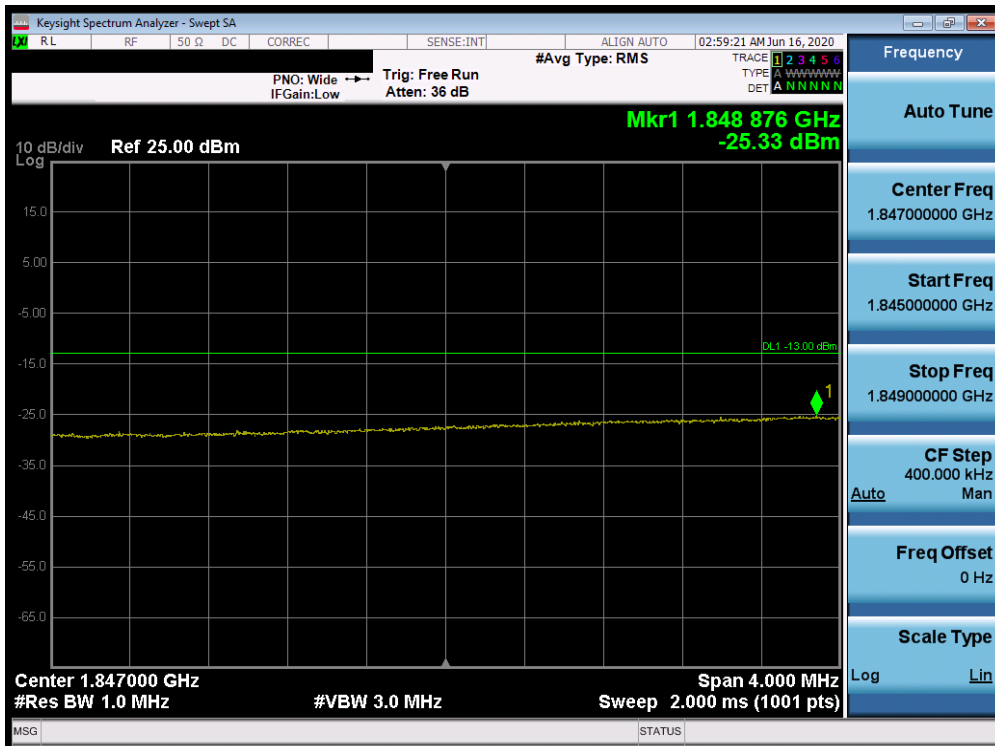


Plot 7-516. Upper Extended Band Edge Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 286 of 467

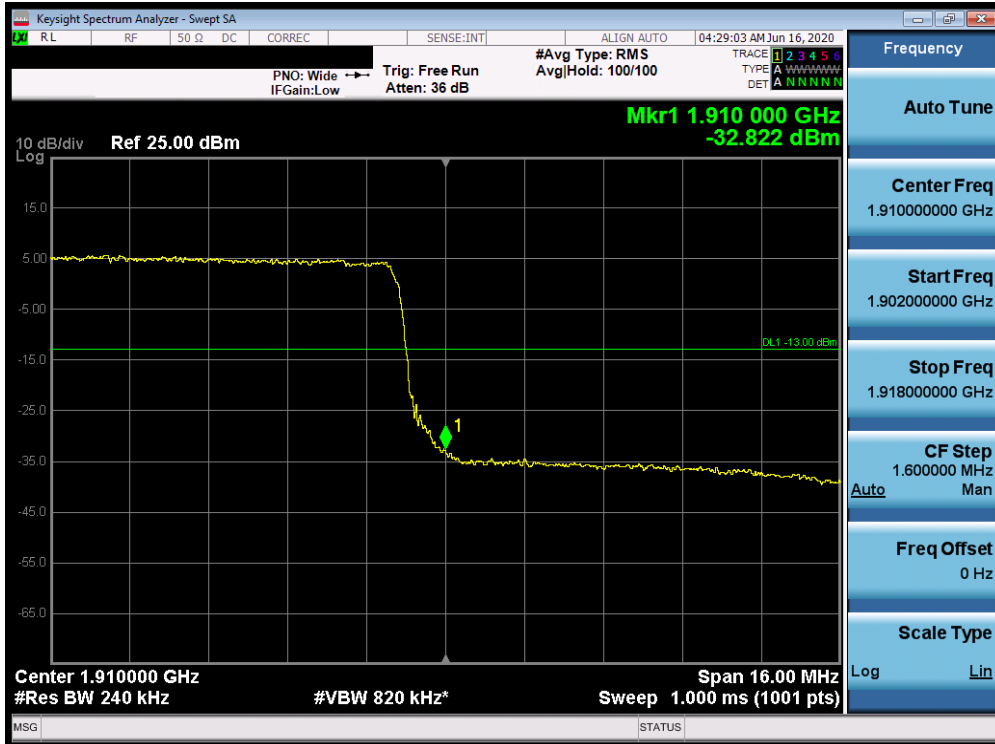


Plot 7-517. Lower Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

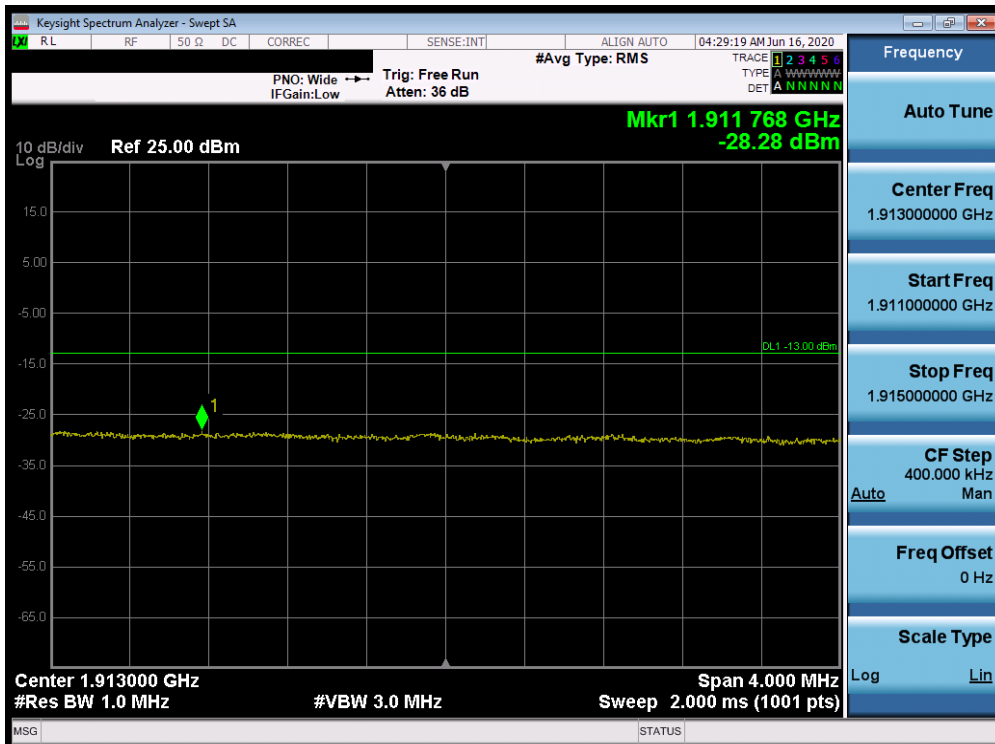


Plot 7-518. Lower Extended Band Edge Plot (Band 25/2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 287 of 467



Plot 7-519. Upper Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)



Plot 7-520. Upper Extended Band Edge Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)


FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 288 of 467



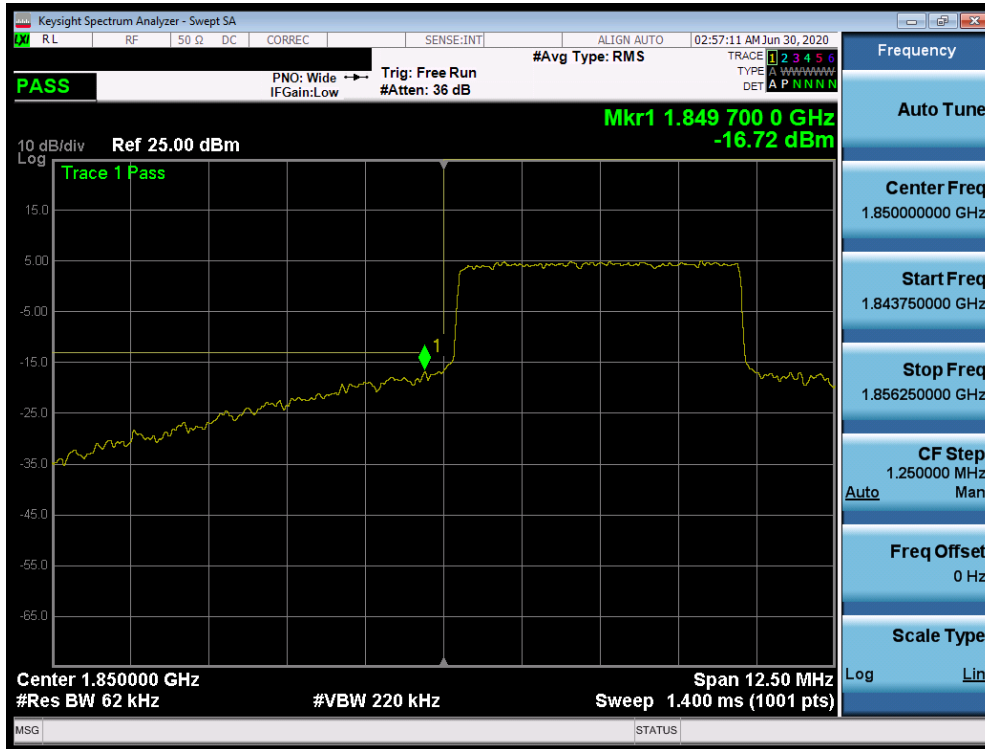
Plot 7-521. Upper Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)



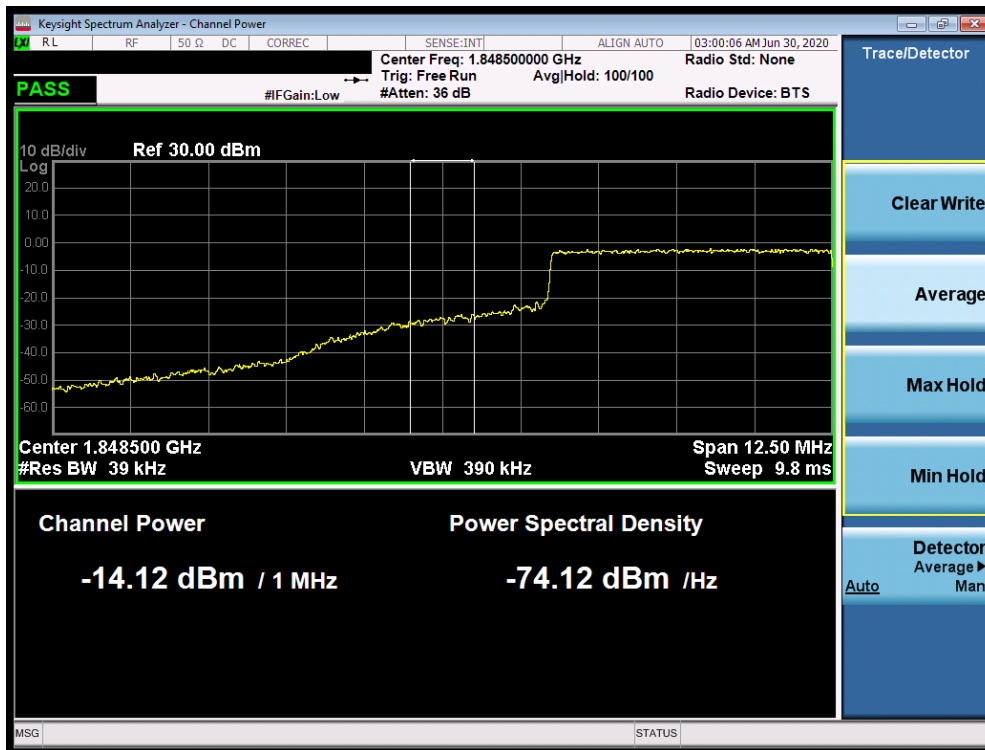
Plot 7-522. Upper Extended Band Edge Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 289 of 467

NR Band n25/2



Plot 7-523. Lower Band Edge Plot (n25/2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

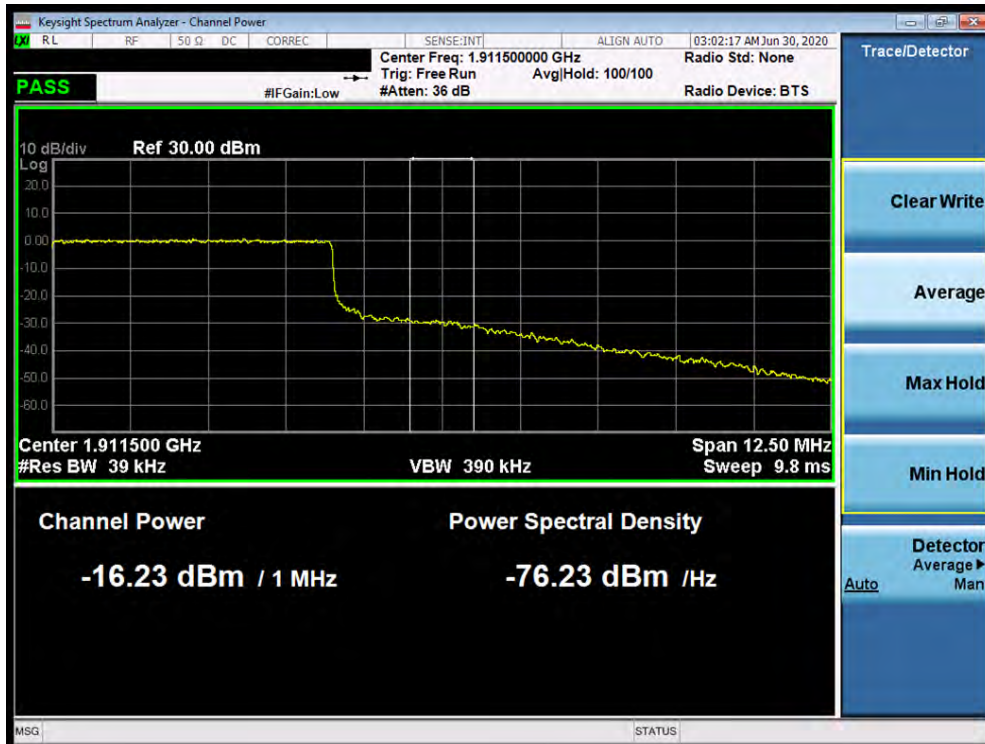


Plot 7-524. Lower Extended Band Edge Plot (n25/2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 290 of 467



Plot 7-525. Upper Band Edge Plot (n2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

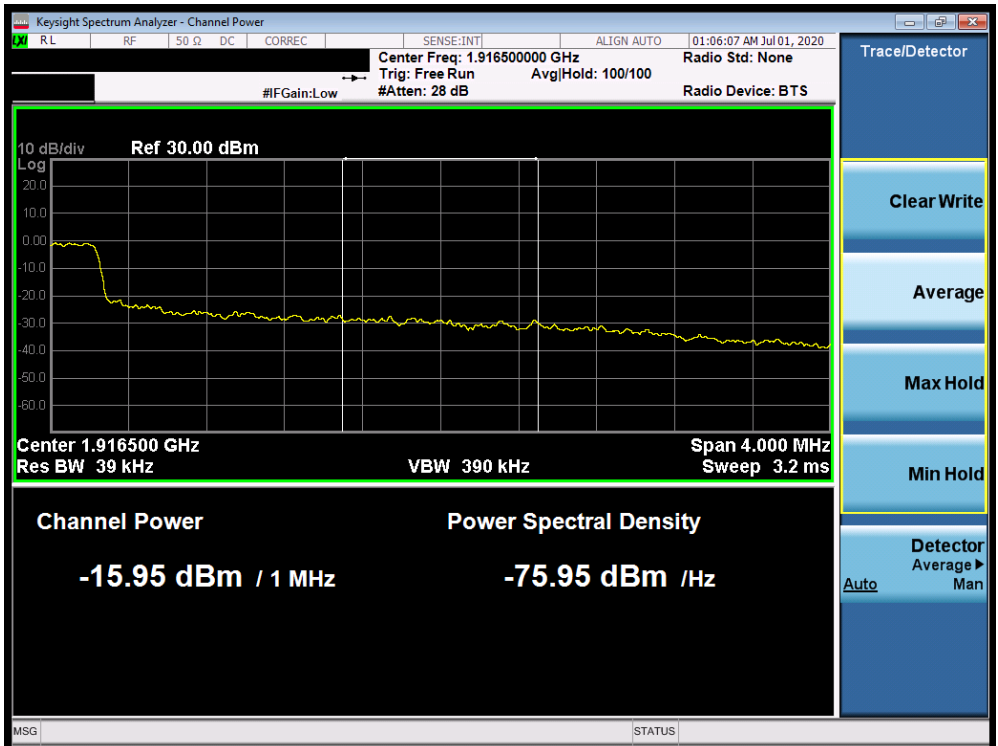


Plot 7-526. Upper Extended Band Edge Plot (n2 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 291 of 467

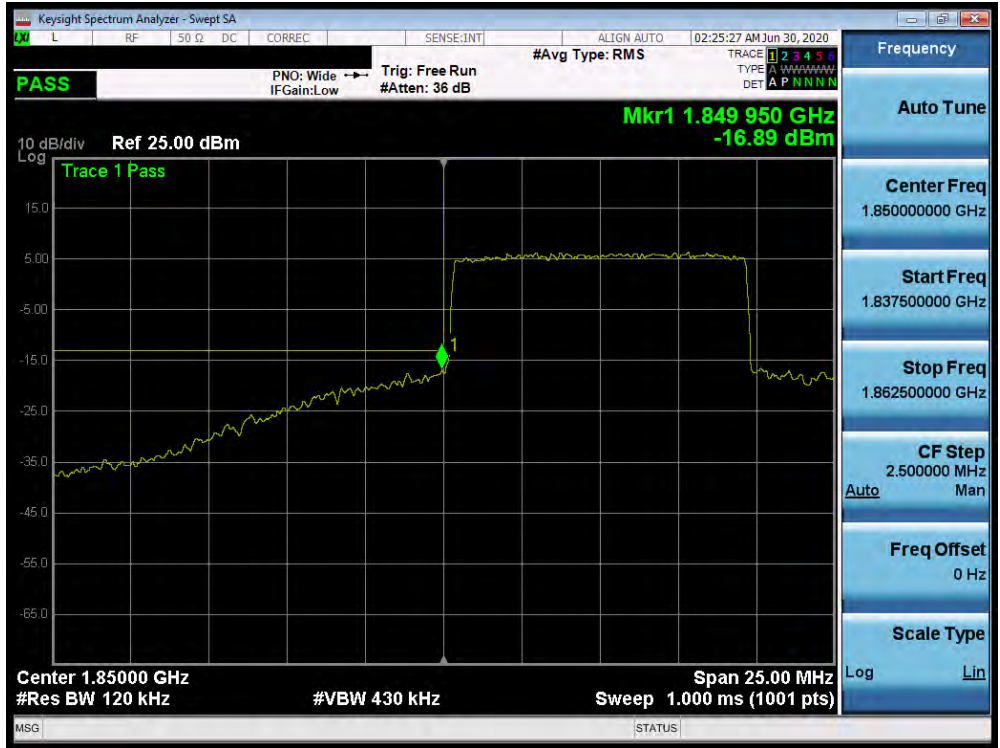


Plot 7-527. Upper Band Edge Plot (n25 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

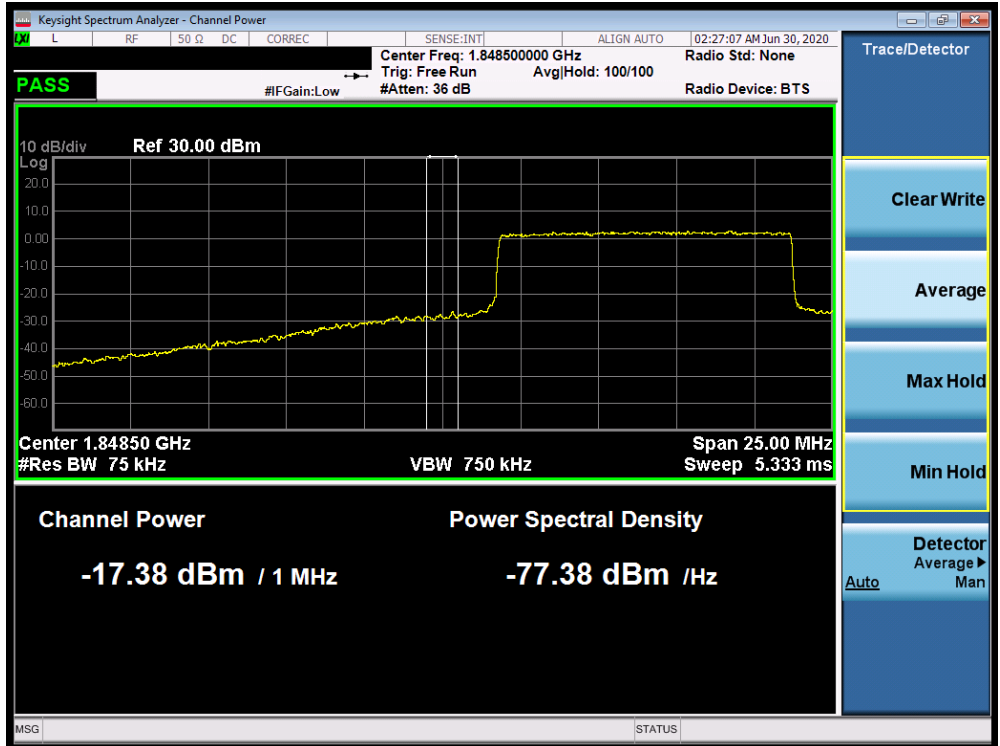


Plot 7-528. Upper Extended Band Edge Plot (n25 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 292 of 467



Plot 7-529. Lower Band Edge Plot (n25/2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

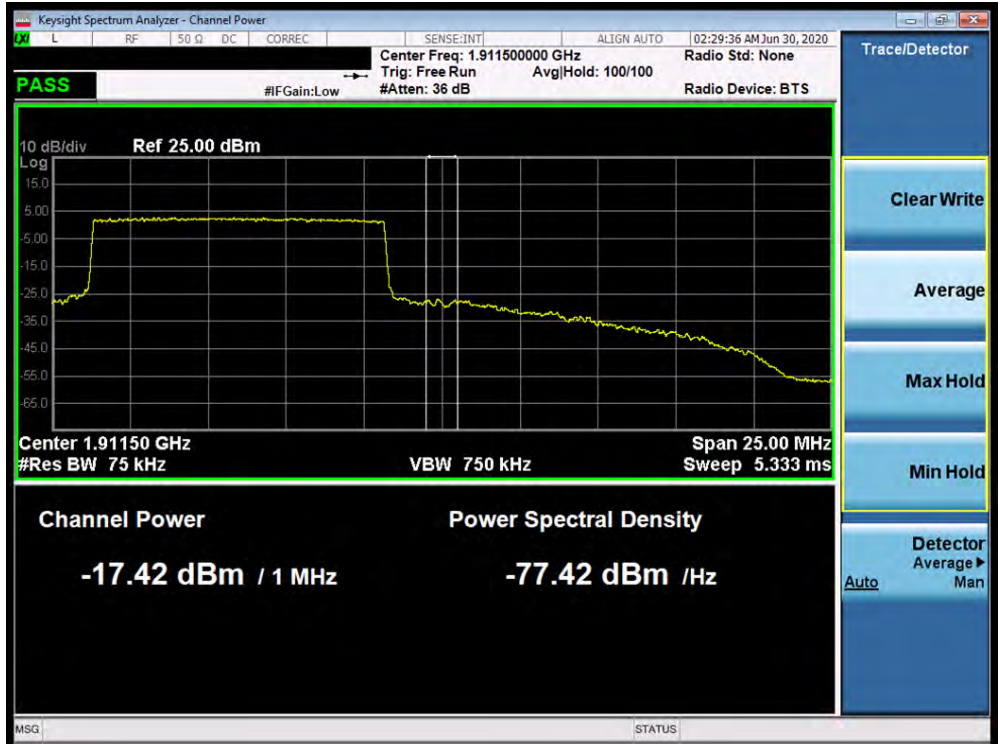


Plot 7-530. Lower Extended Band Edge Plot (n25/2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 293 of 467

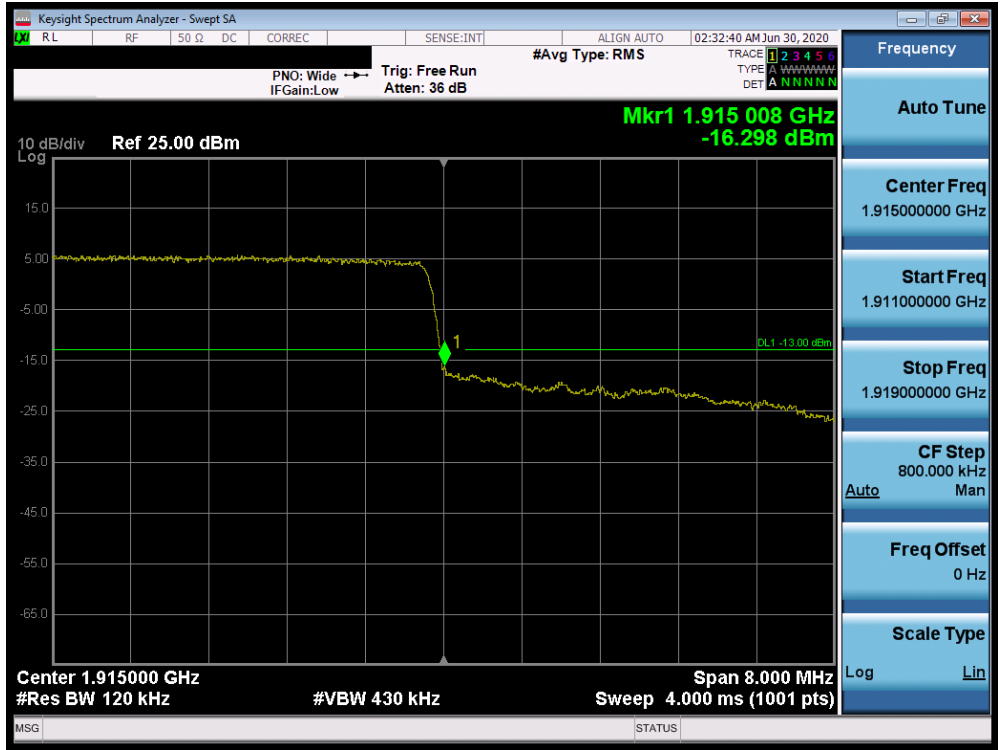


Plot 7-531. Upper Band Edge Plot (n2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

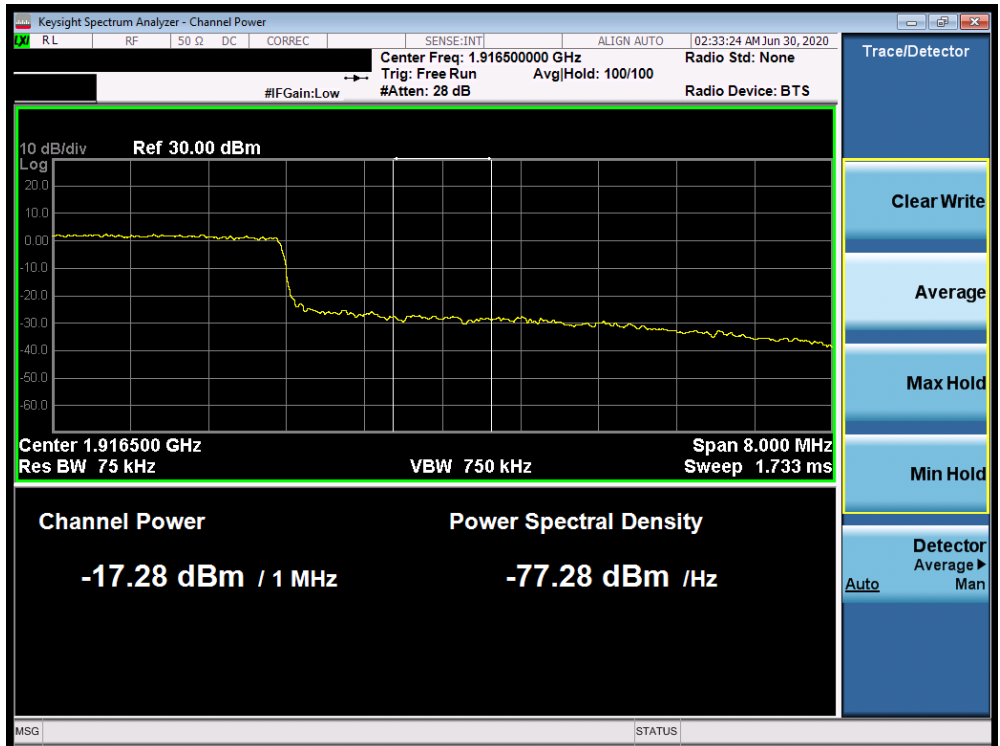


Plot 7-532. Upper Extended Band Edge Plot (n2 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 294 of 467



Plot 7-533. Upper Band Edge Plot (n25 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

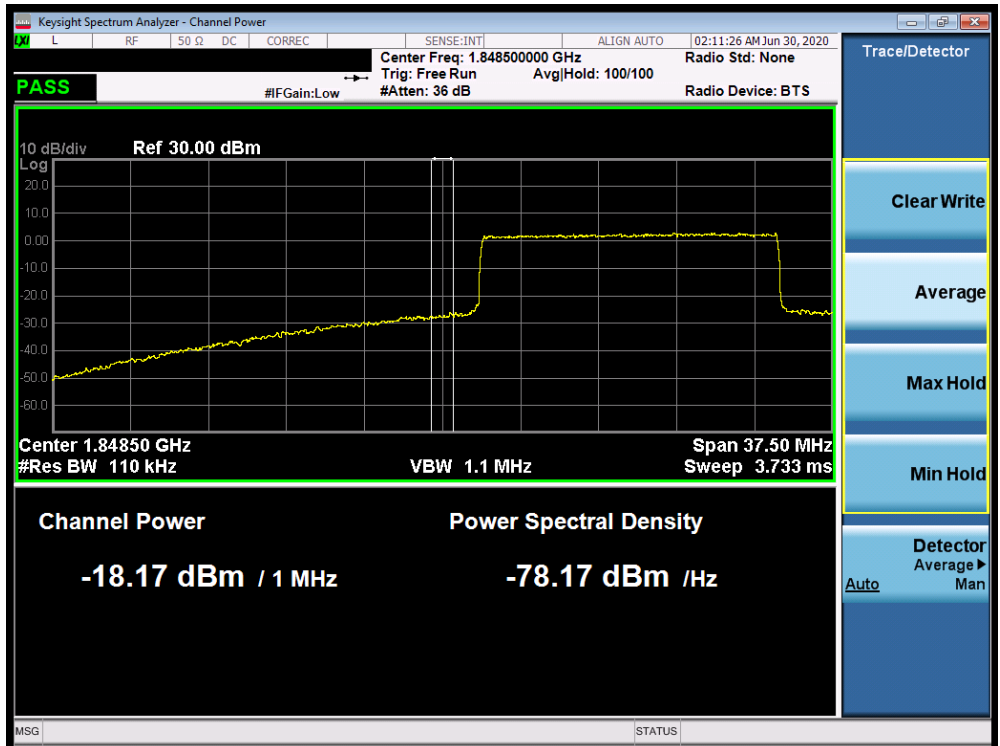


Plot 7-534. Upper Extended Band Edge Plot (n25 - 10MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 295 of 467



Plot 7-535. Lower Band Edge Plot (n25/2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

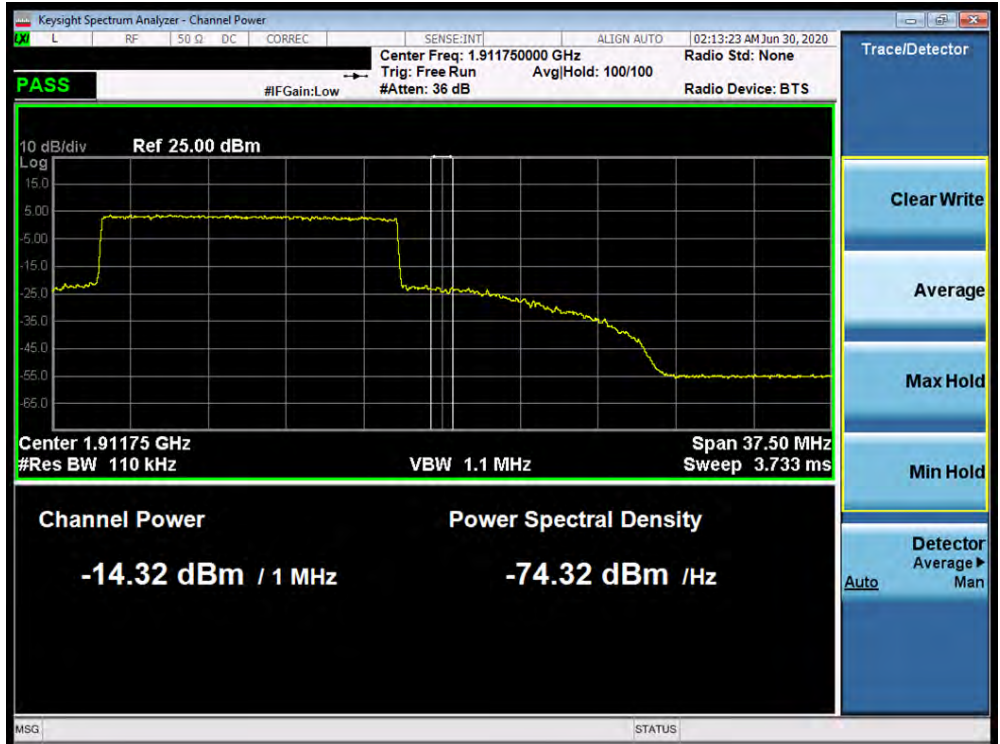


Plot 7-536. Lower Extended Band Edge Plot (n25/2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 296 of 467



Plot 7-537. Upper Band Edge Plot (n2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

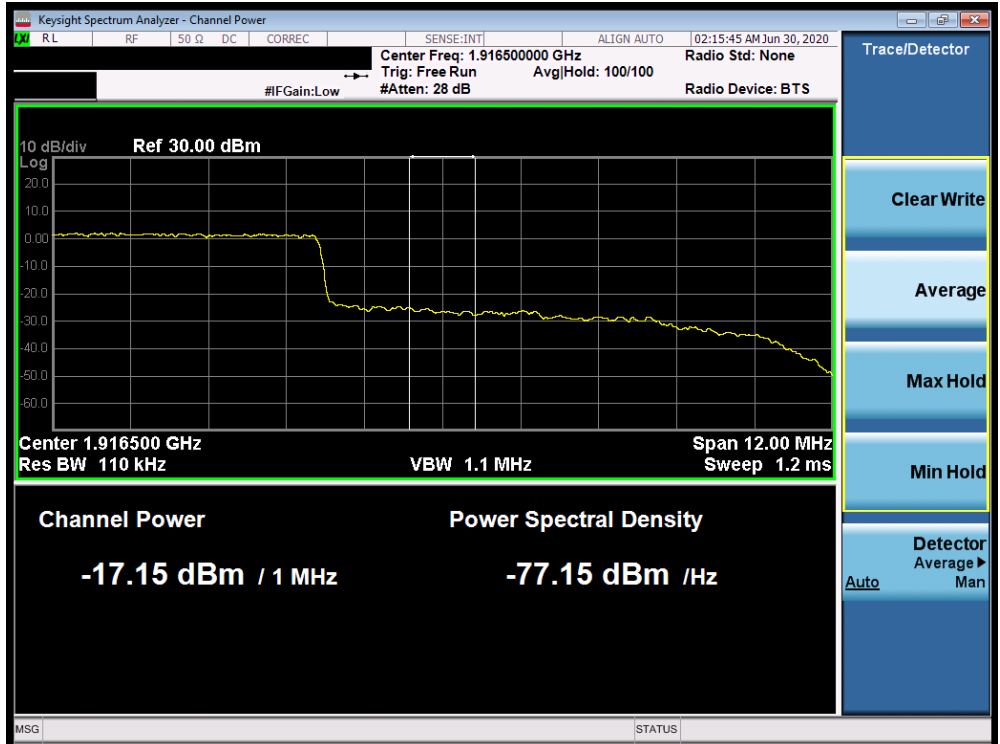


Plot 7-538. Upper Extended Band Edge Plot (n2 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 297 of 467



Plot 7-539. Upper Band Edge Plot (n25 - 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)

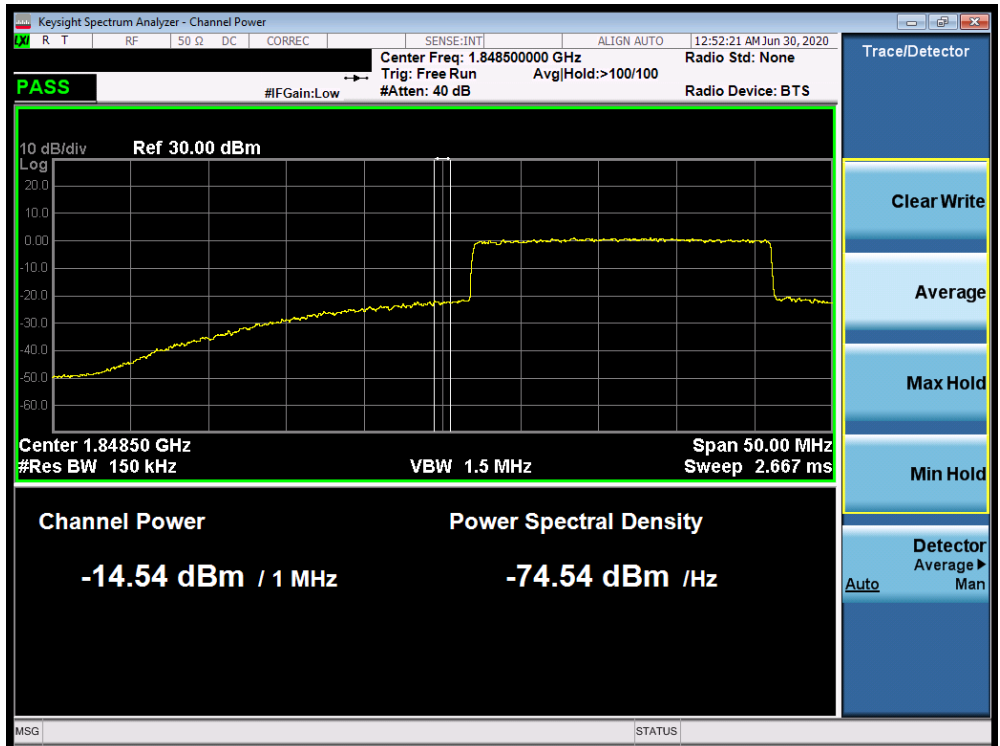


Plot 7-540. Upper Extended Band Edge Plot (n25- 15MHz DFT-s-OFDM-QPSK - Full RB Configuration)


FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 298 of 467

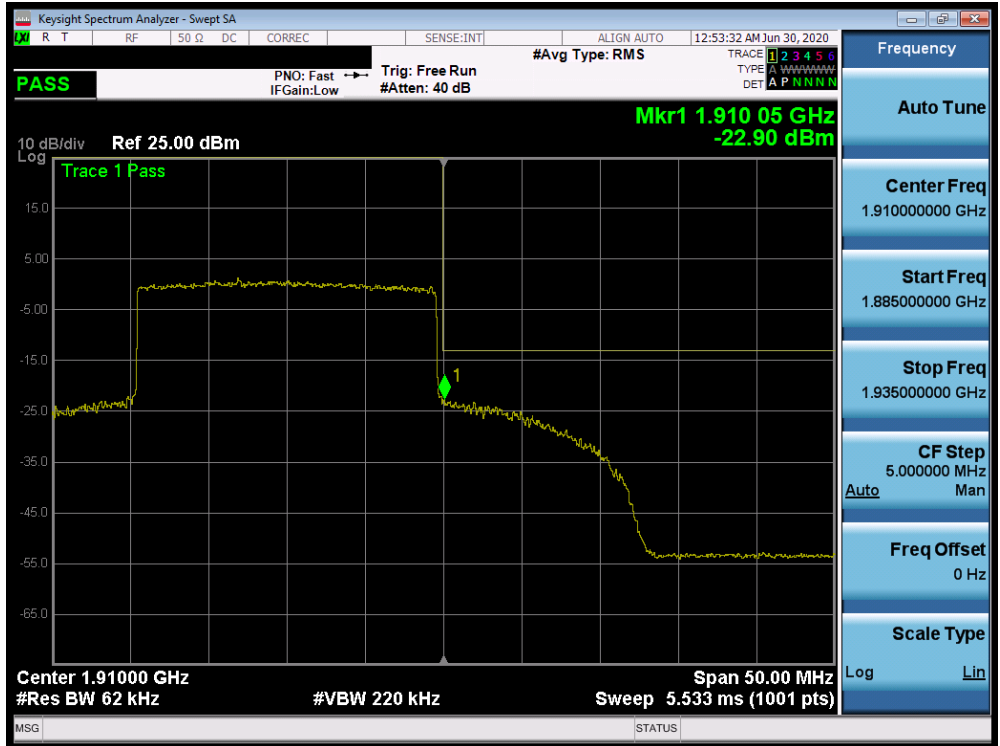


Plot 7-541. Lower Band Edge Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

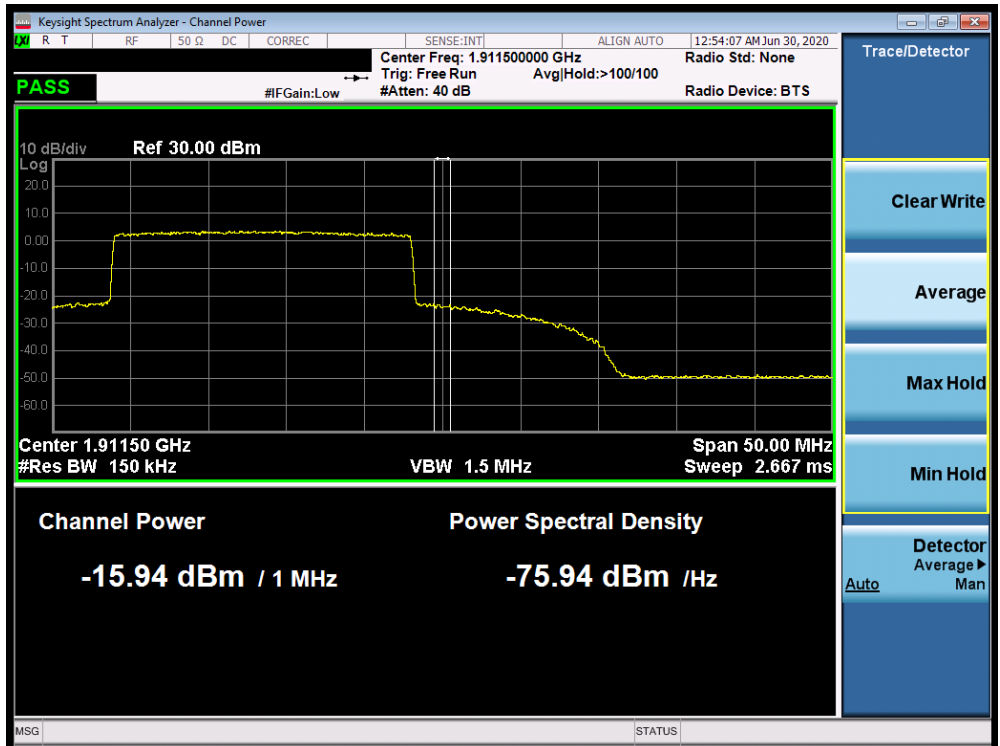


Plot 7-542. Lower Extended Band Edge Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 299 of 467



Plot 7-543. Upper Band Edge Plot (n2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

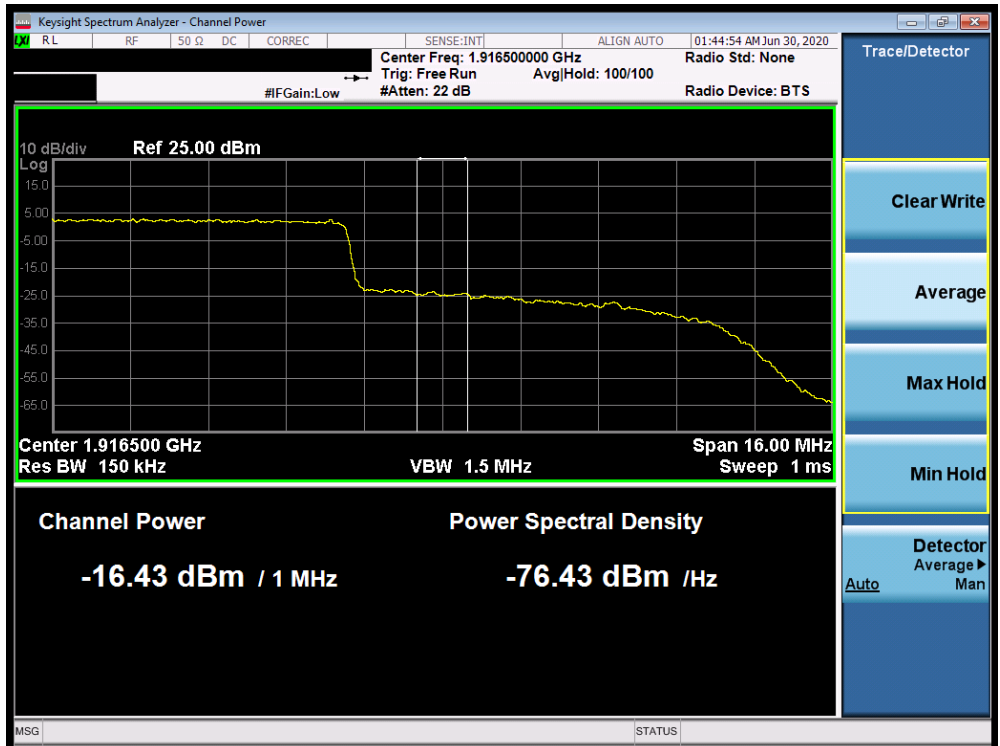


Plot 7-544. Upper Extended Band Edge Plot (n2 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)


FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 300 of 467



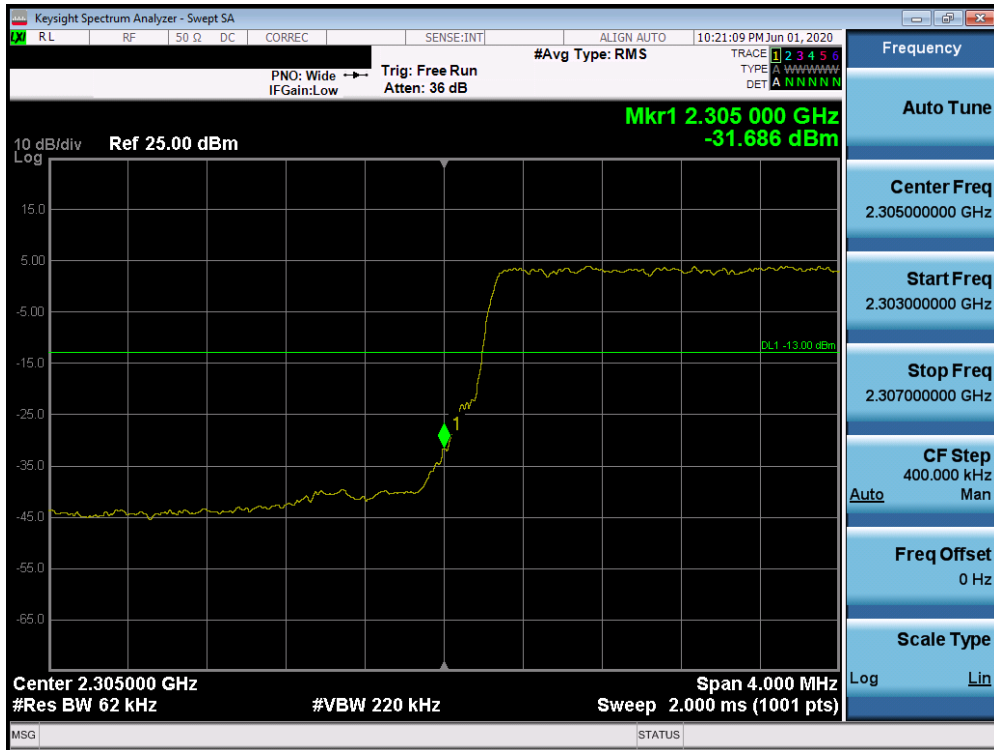
Plot 7-545. Upper Band Edge Plot (n25 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)



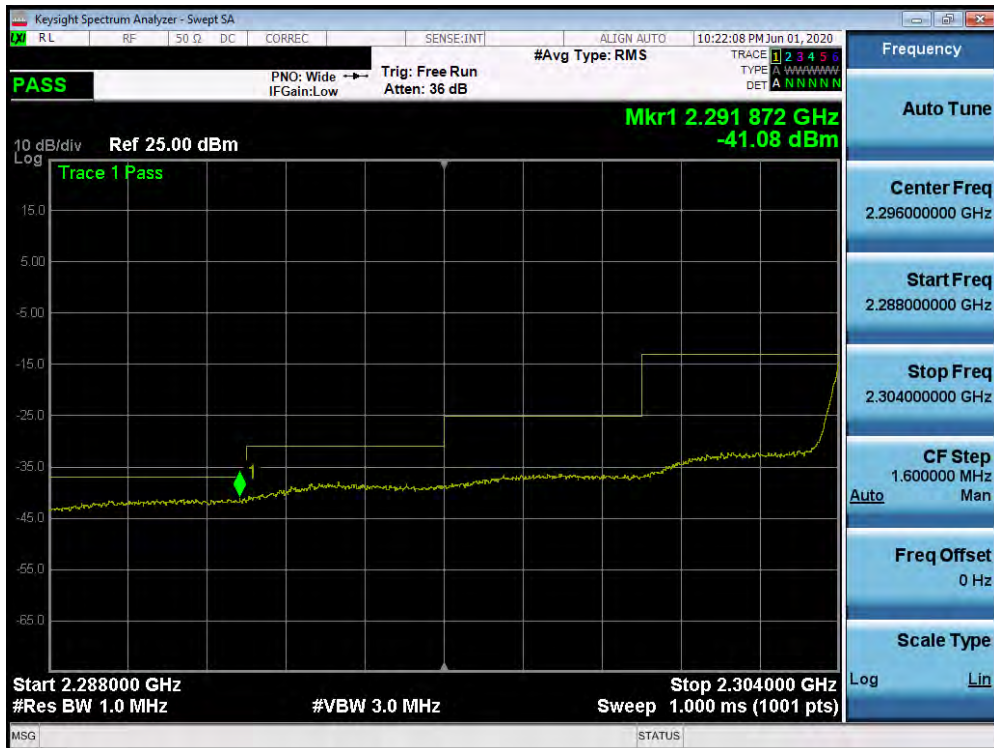
Plot 7-546. Upper Extended Band Edge Plot (n25 - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 301 of 467

Band 30



Plot 7-547. Lower Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

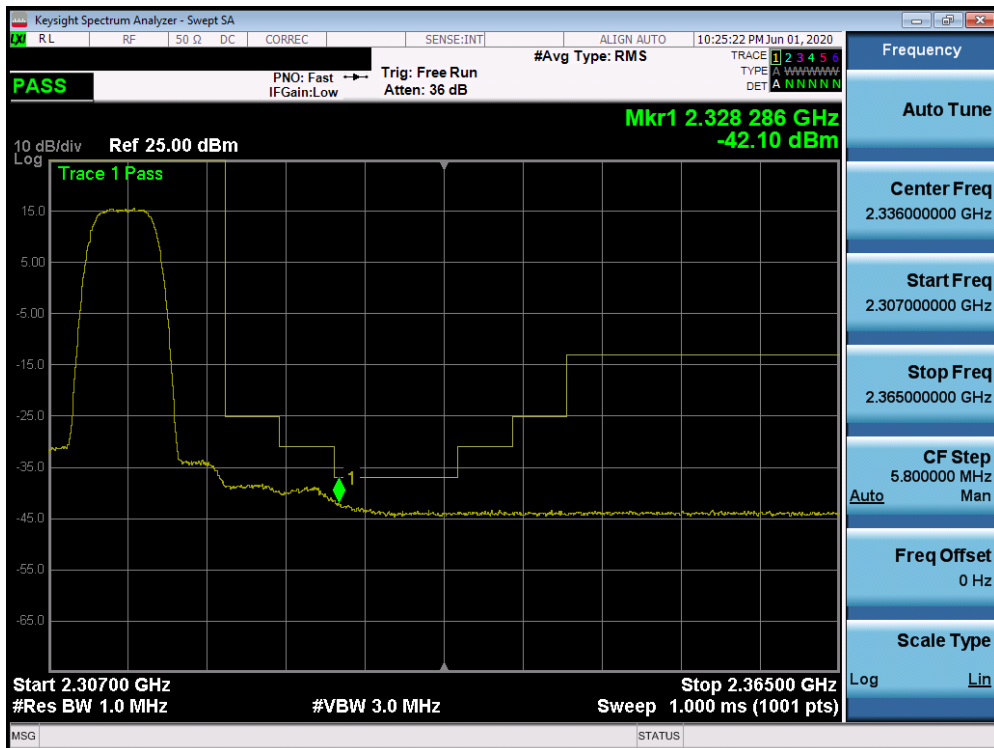


Plot 7-548. Lower Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 302 of 467

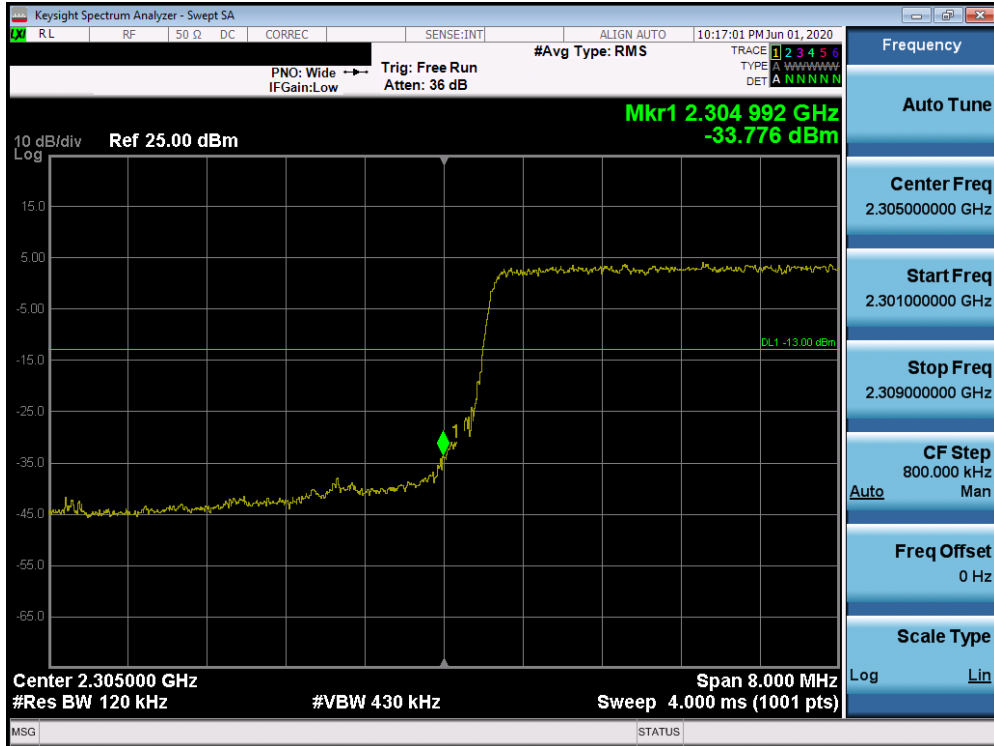


Plot 7-549. Upper Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-550. Upper Extended Band Edge Plot (Band 30 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 303 of 467



Plot 7-551. Lower Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

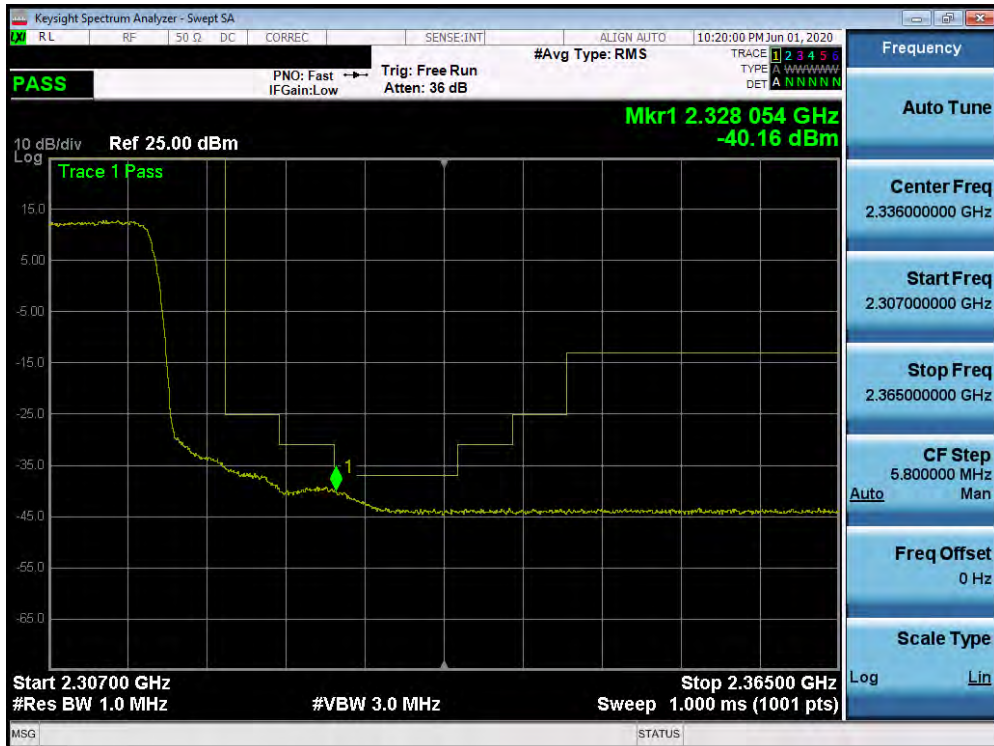


Plot 7-552. Lower Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 304 of 467



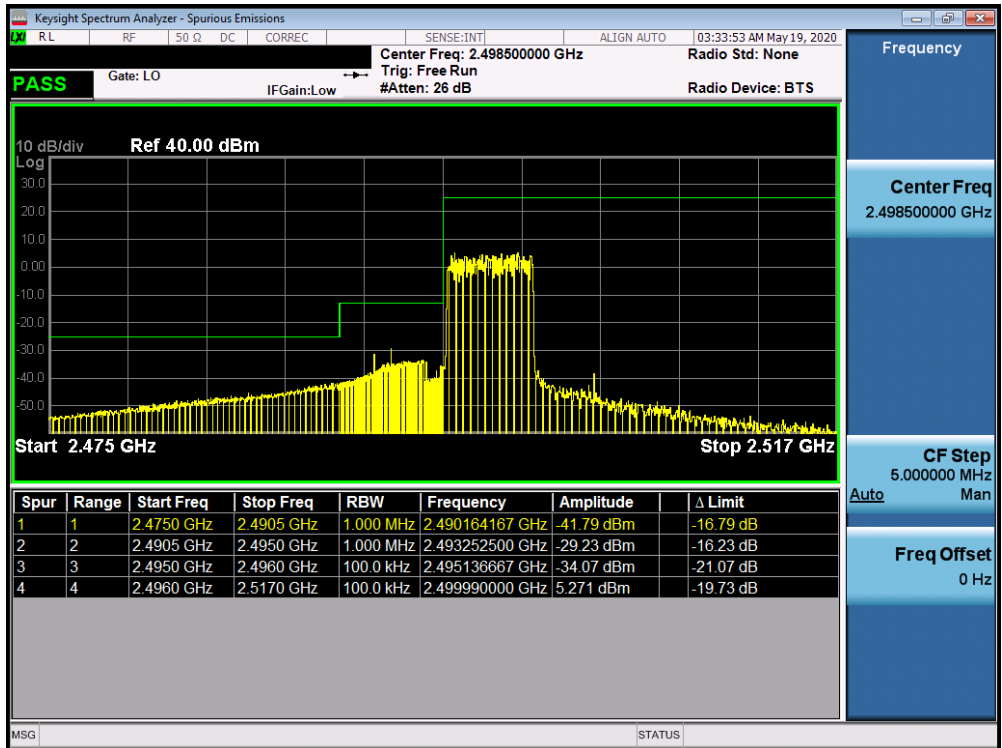
Plot 7-553. Upper Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)



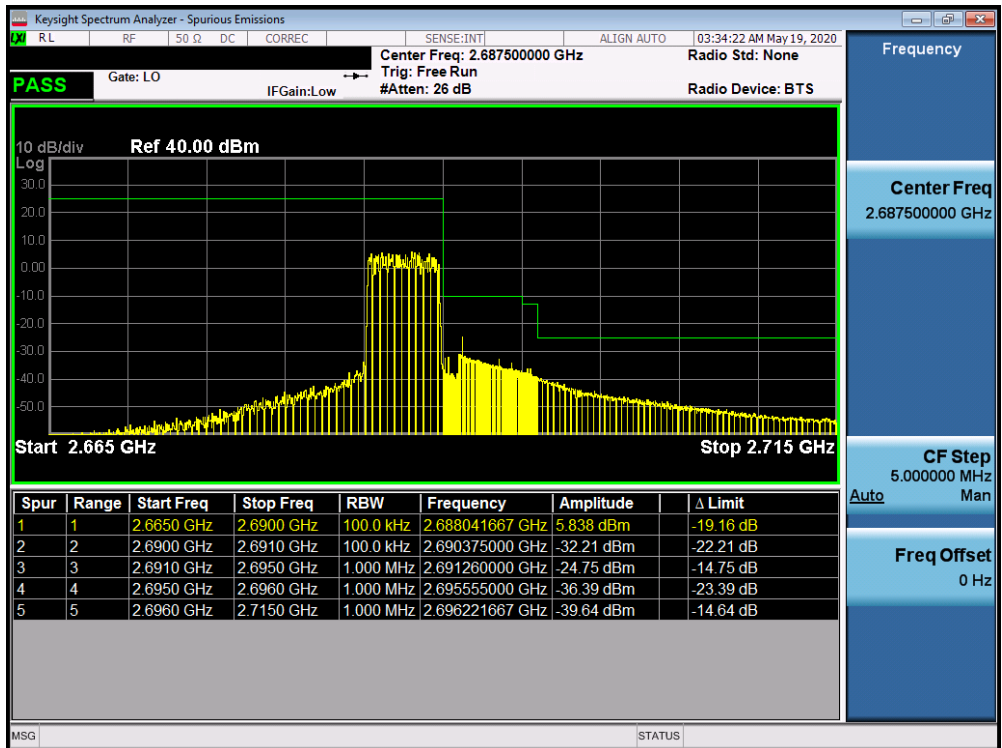
Plot 7-554. Upper Extended Band Edge Plot (Band 30 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 305 of 467

Band 41 PC2

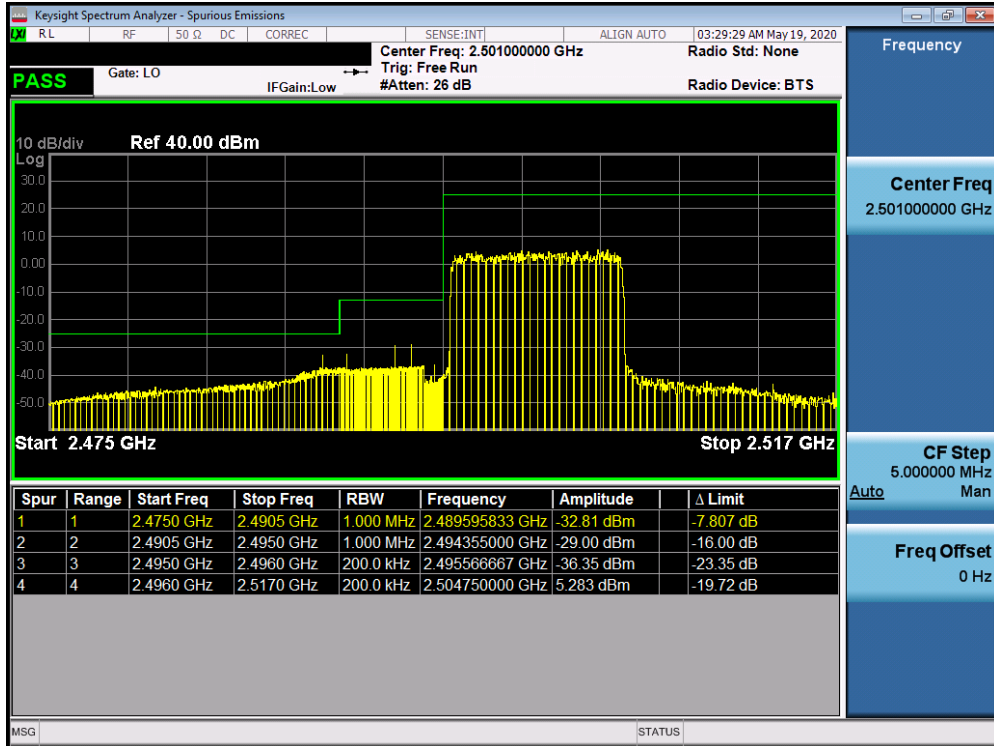


Plot 7-555. Lower ACP Plot at 2496 MHz (Band 41 PC2- 5.0MHz QPSK - Full RB Configuration)

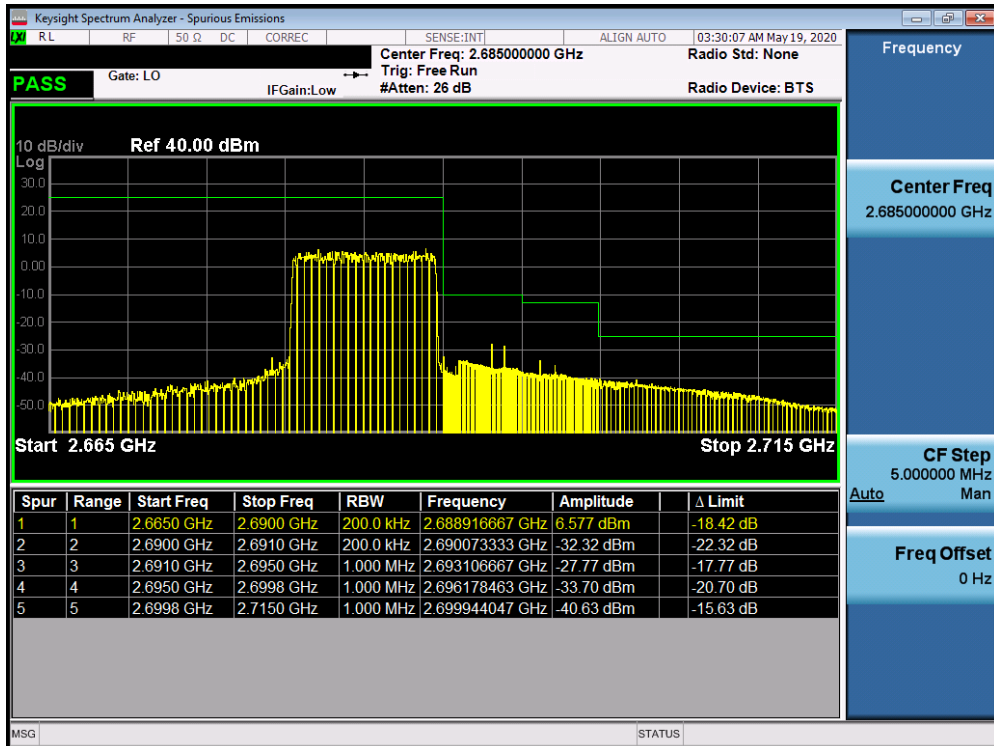


Plot 7-556. Upper ACP Plot (Band 41 PC2- 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 306 of 467

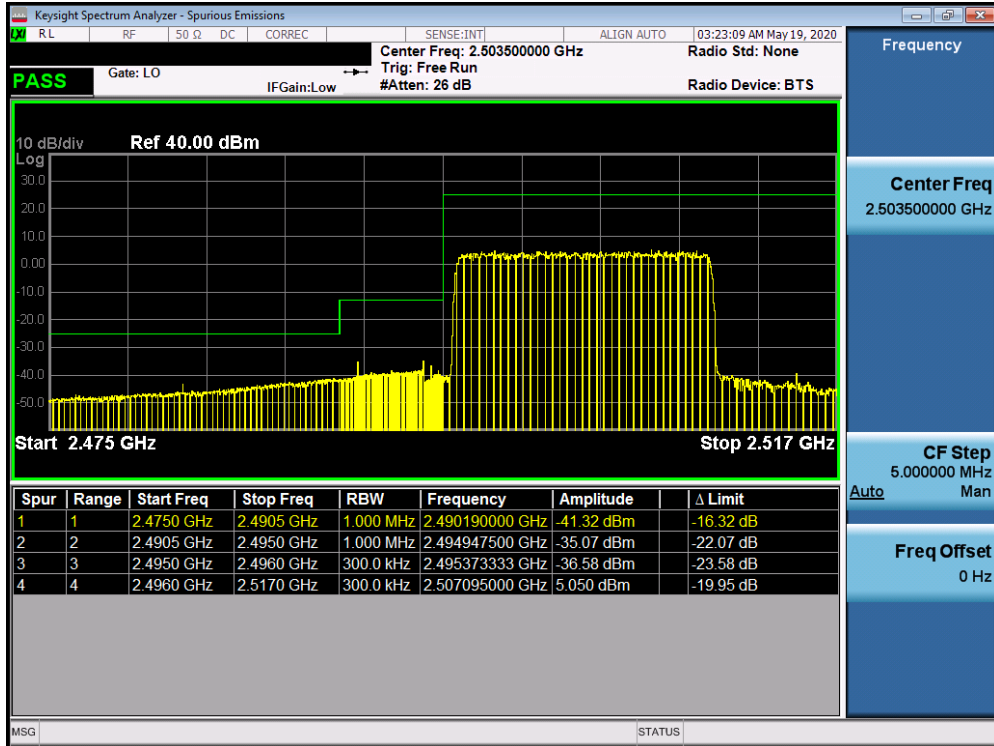


Plot 7-557. Lower ACP Plot at 2496 MHz (Band 41 PC2- 10.0MHz QPSK - Full RB Configuration)

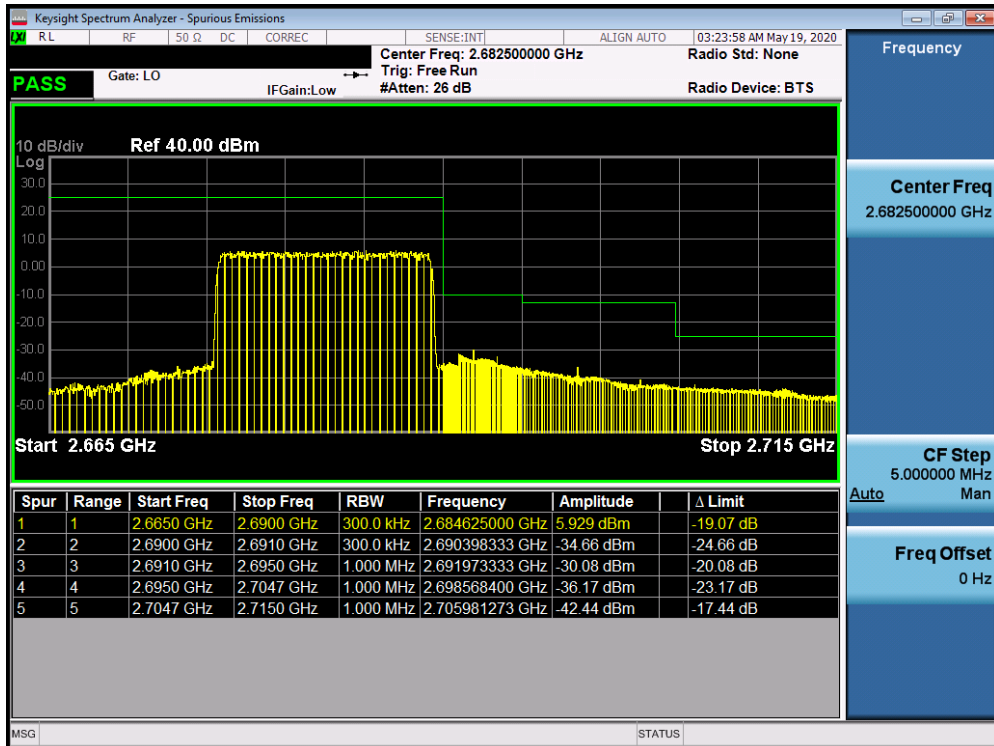


Plot 7-558. Upper ACP Plot (Band 41 PC2- 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 307 of 467

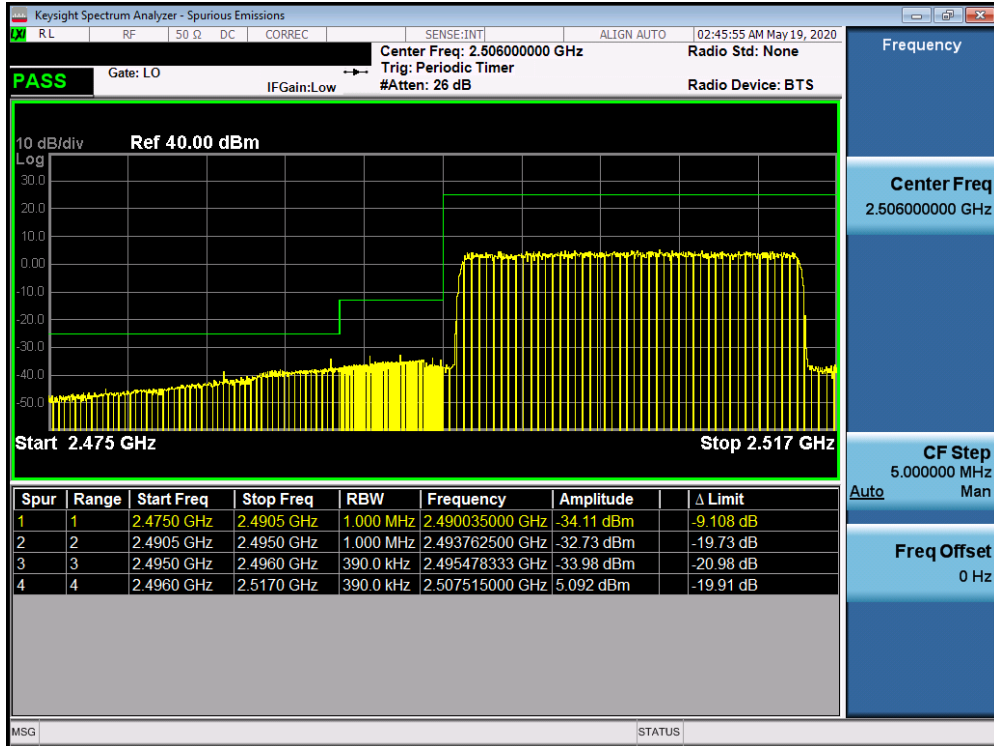


Plot 7-559. Lower ACP Plot at 2496 MHz (Band 41 PC2- 15.0MHz QPSK - Full RB Configuration)

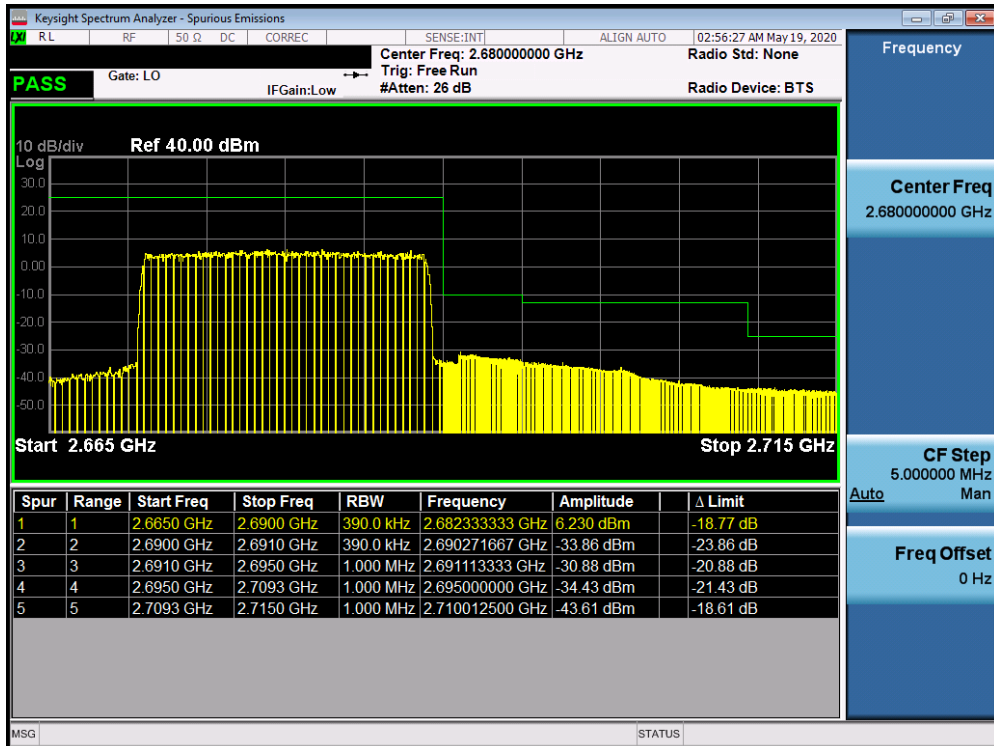


Plot 7-560. Upper ACP Plot (Band 41 PC2- 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 308 of 467



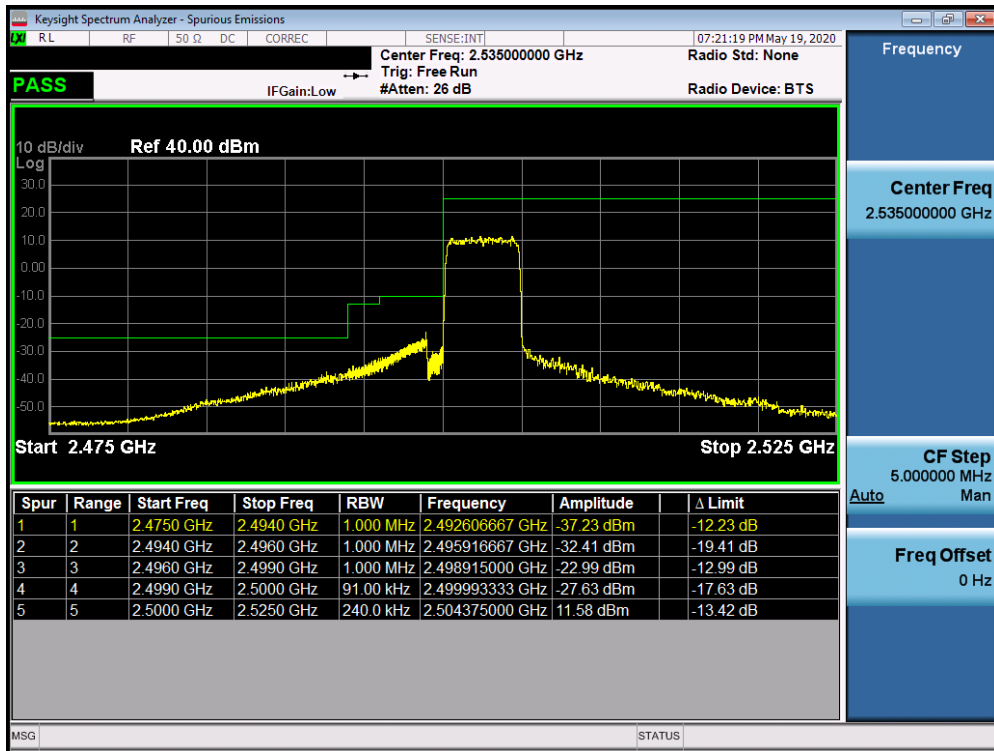
Plot 7-561. Lower ACP Plot at 2496 MHz (Band 41 PC2 - 20.0MHz QPSK - Full RB Configuration)



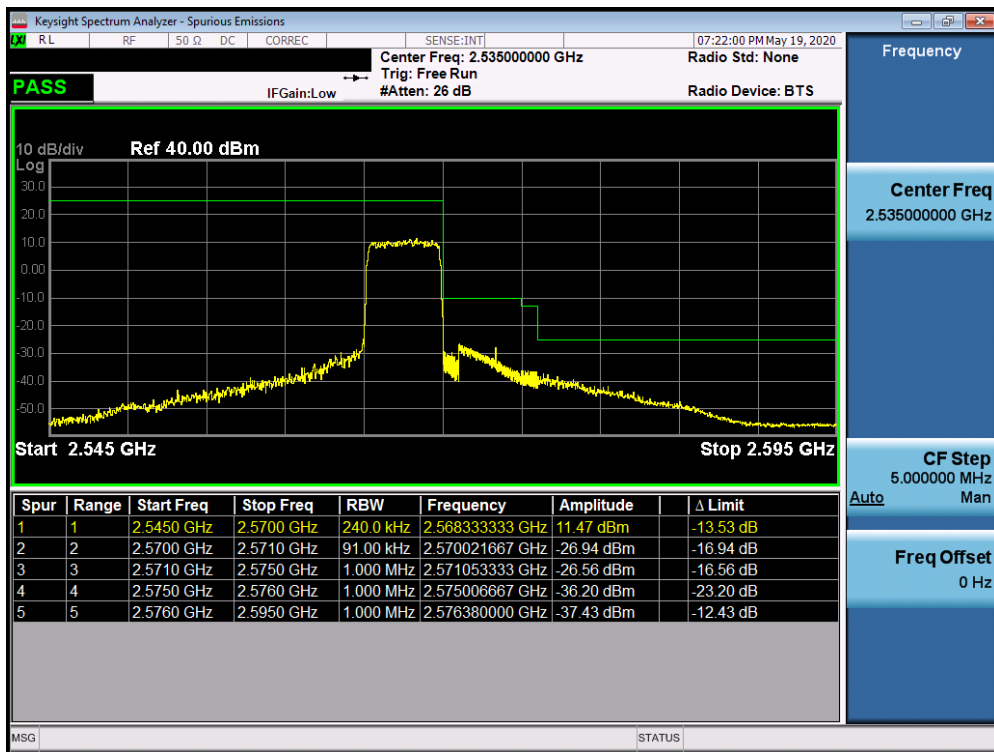
Plot 7-562. Upper ACP Plot (Band 41 PC2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 309 of 467

Band 7

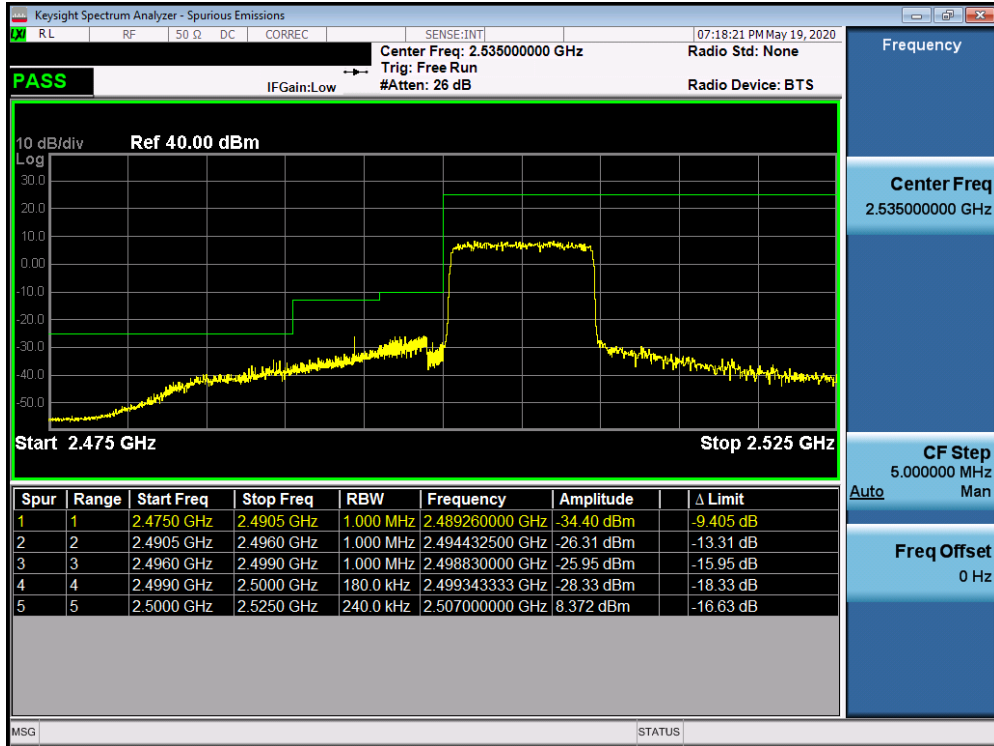


Plot 7-563. Lower Band Edge Plot (Band 7 - 5.0MHz QPSK - Full RB Configuration)

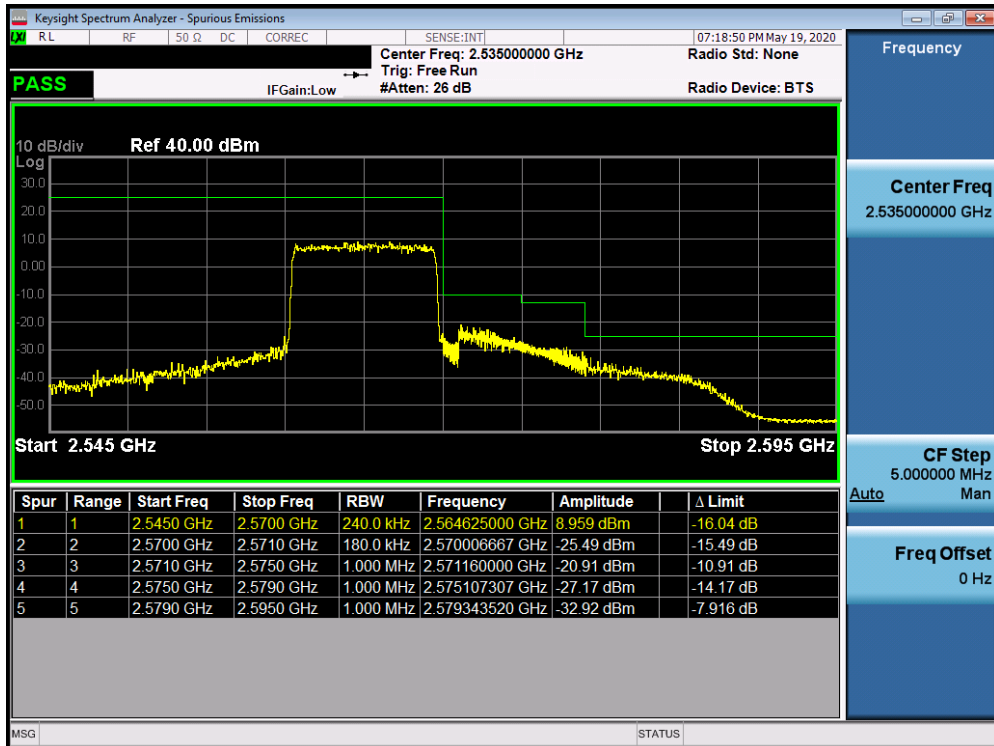


Plot 7-564. Upper Band Edge Plot (Band 7 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 310 of 467

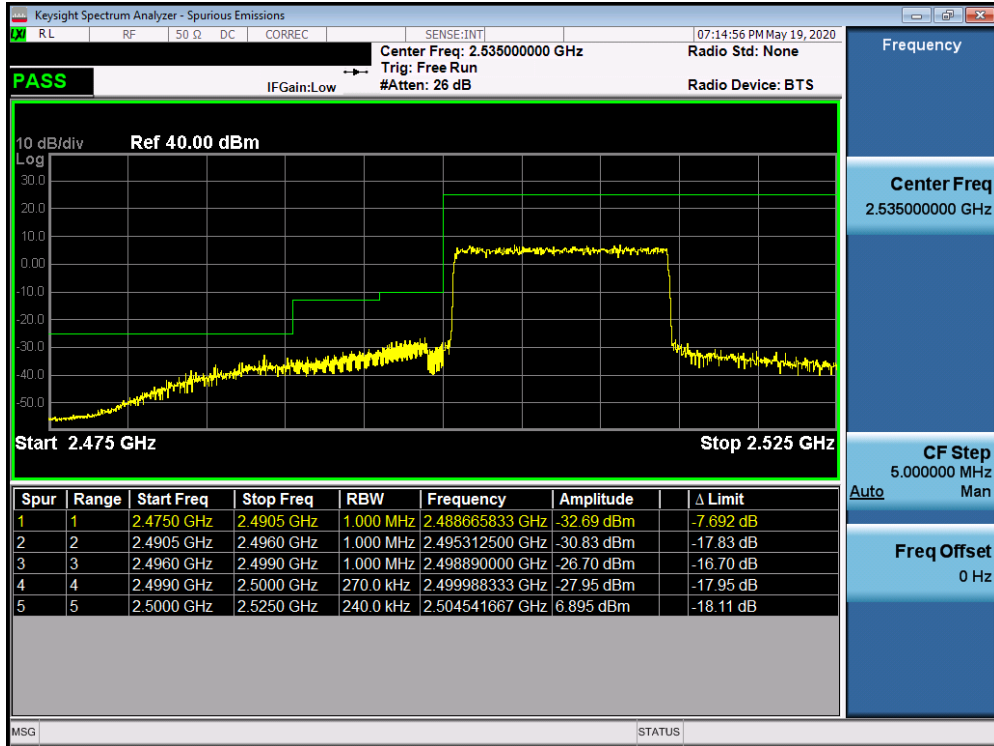


Plot 7-565. Lower Band Edge Plot (Band 7 - 10.0MHz QPSK - Full RB Configuration)

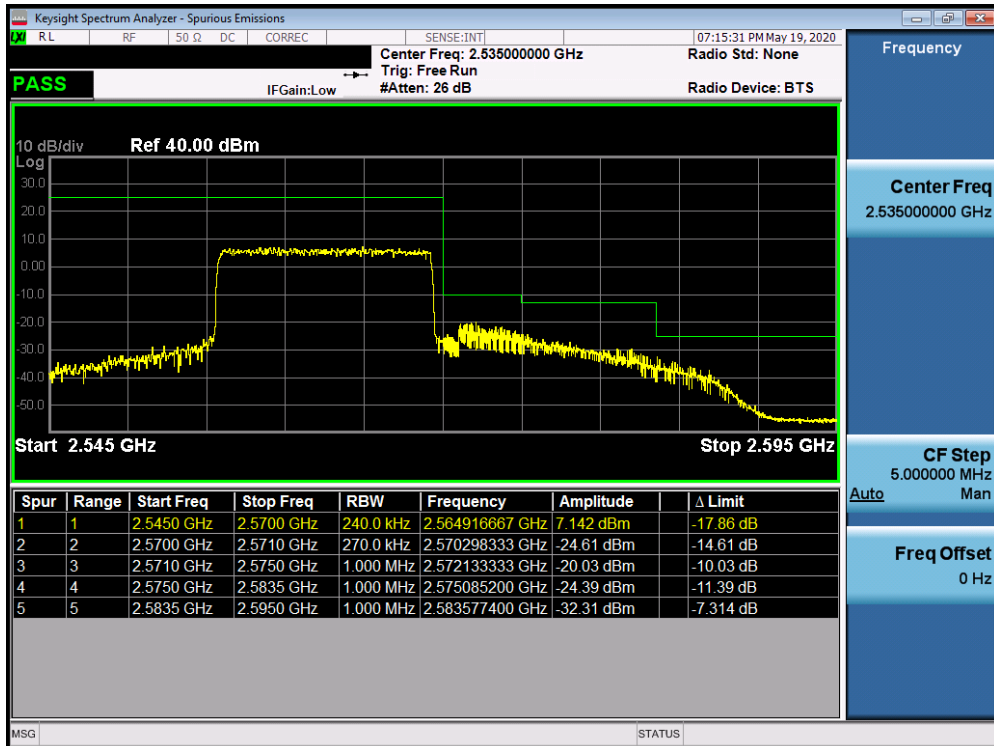


Plot 7-566. Upper Band Edge Plot (Band 7 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 311 of 467

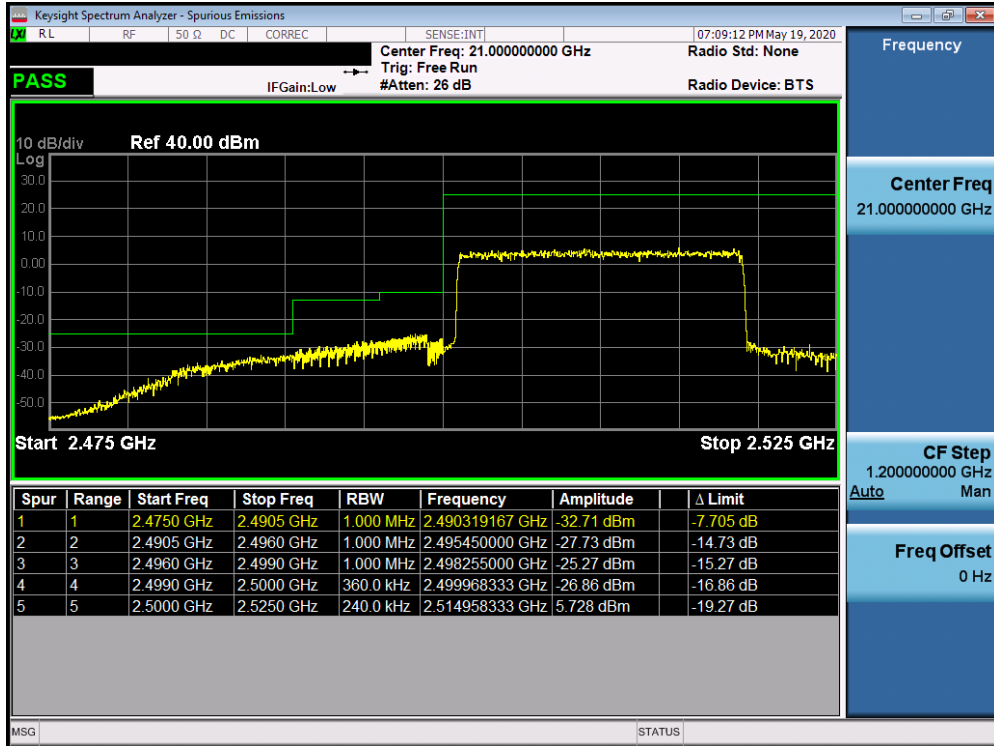


Plot 7-567. Lower Band Edge Plot (Band 7 - 15.0MHz QPSK - Full RB Configuration)

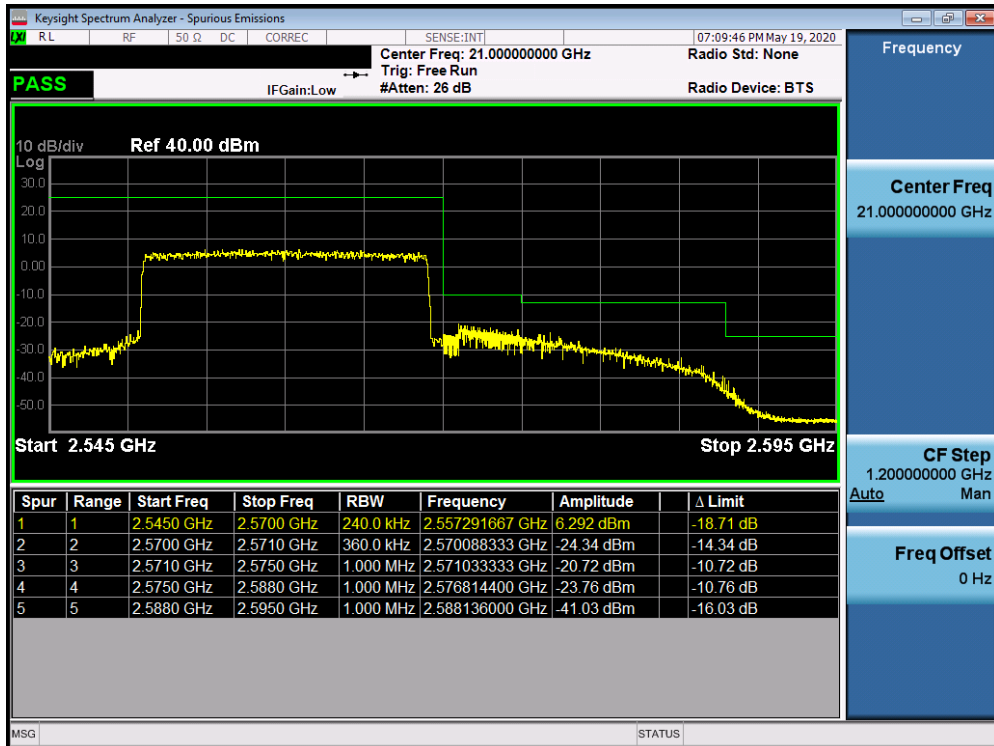


Plot 7-568. Upper Band Edge Plot (Band 7 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 312 of 467



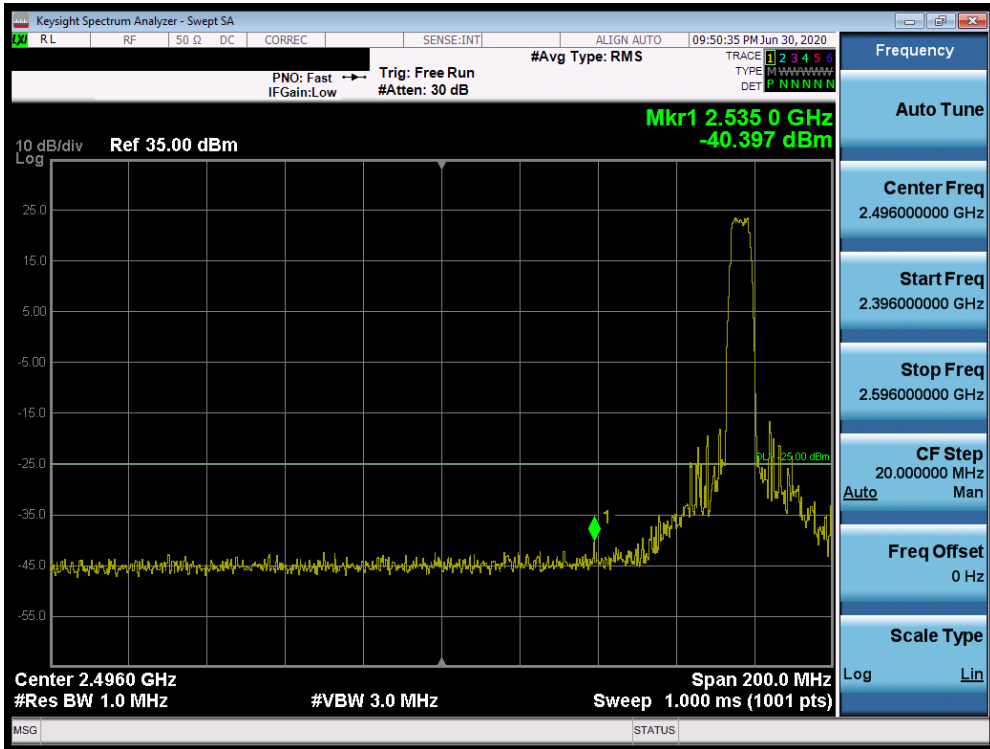
Plot 7-569. Lower Band Edge Plot (Band 7 - 20.0MHz QPSK - Full RB Configuration)



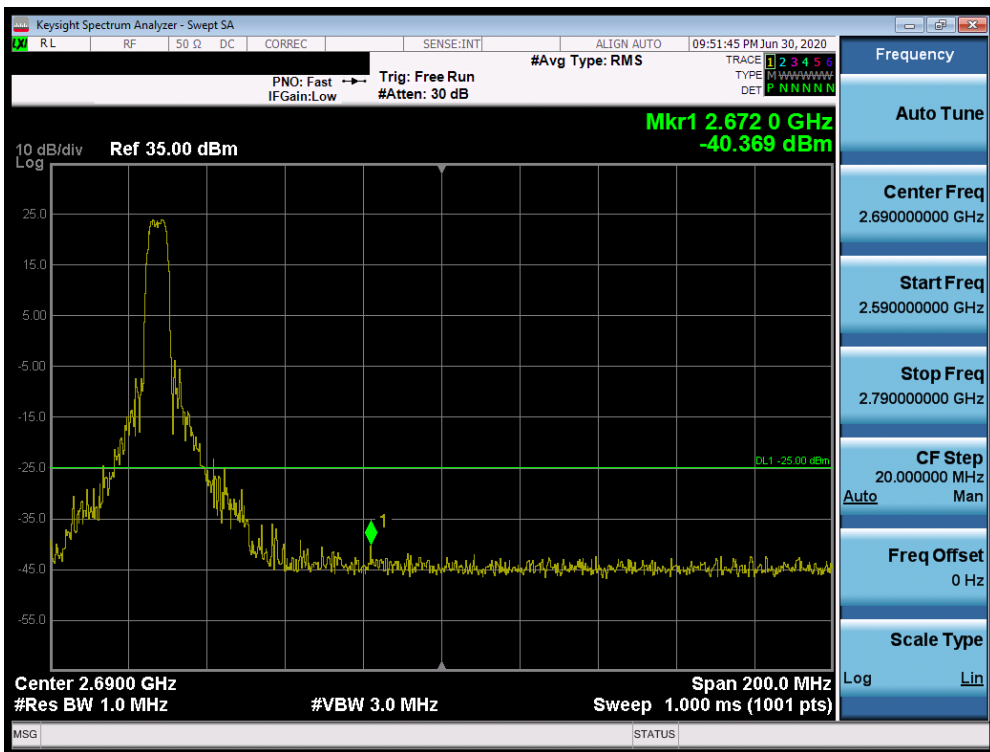
Plot 7-570. Upper Band Edge Plot (Band 7 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 313 of 467

Band 38

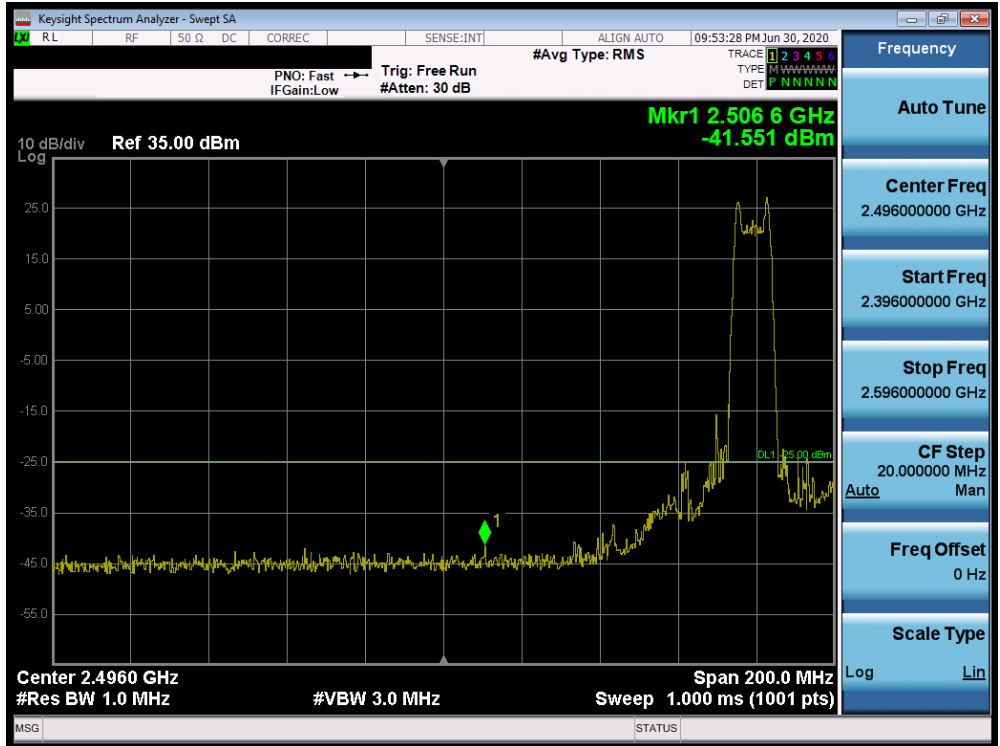


Plot 7-571. Lower Band Edge Plot (Band 38 - 5.0MHz QPSK - Full RB Configuration)

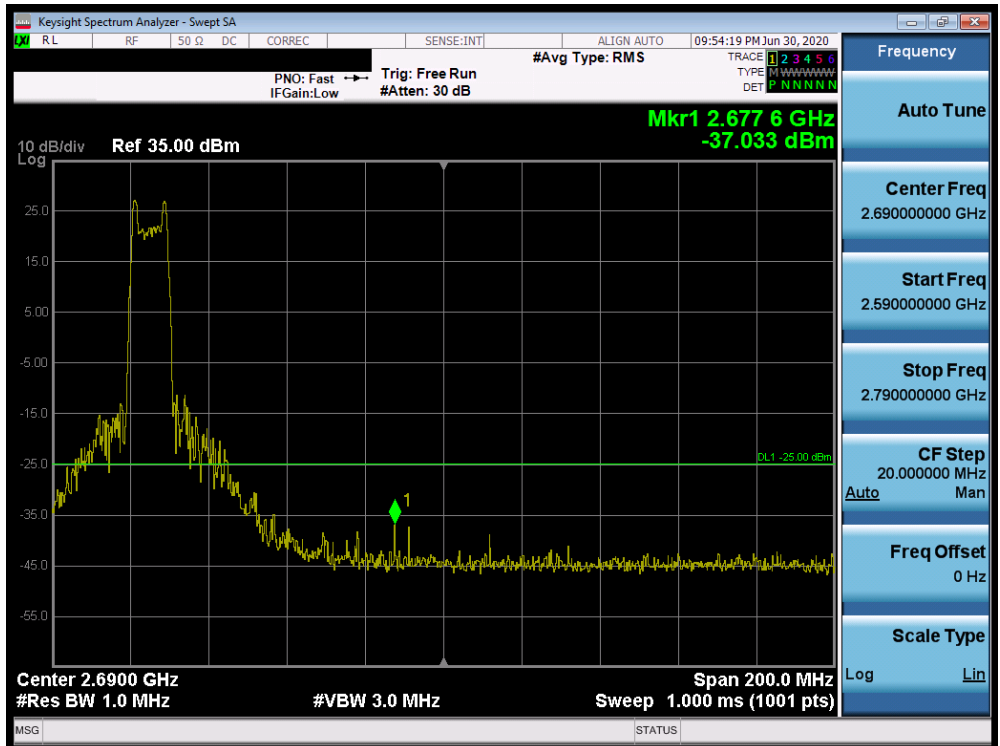


Plot 7-572. Upper Band Edge Plot (Band 38 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 314 of 467

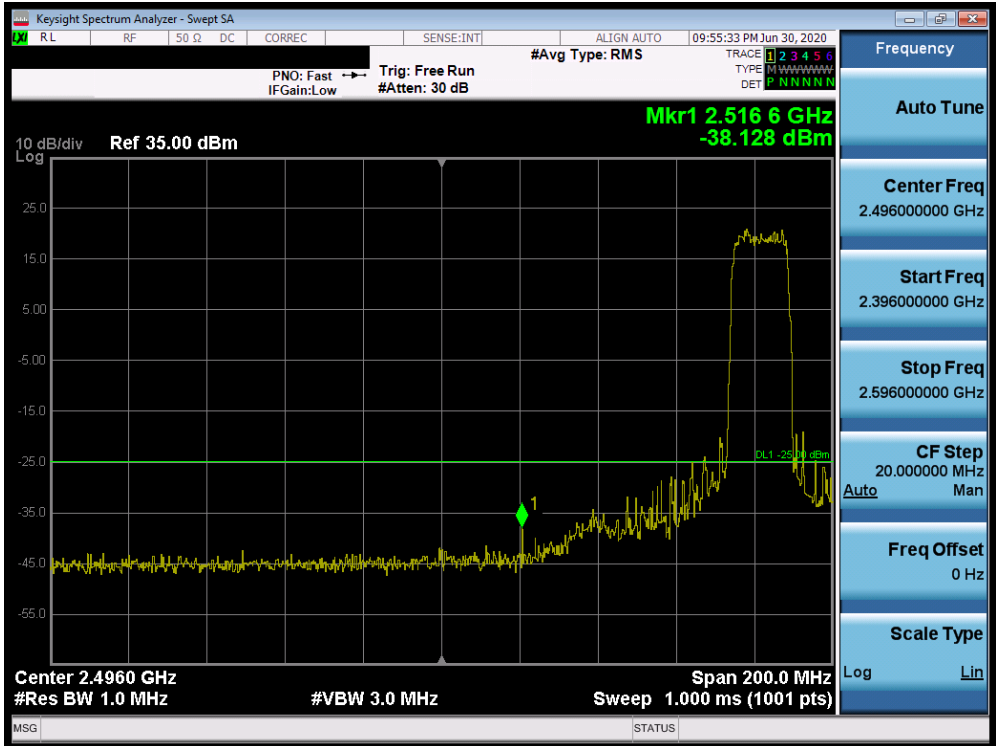


Plot 7-573. Lower Band Edge Plot (Band 38 - 10.0MHz QPSK - Full RB Configuration)

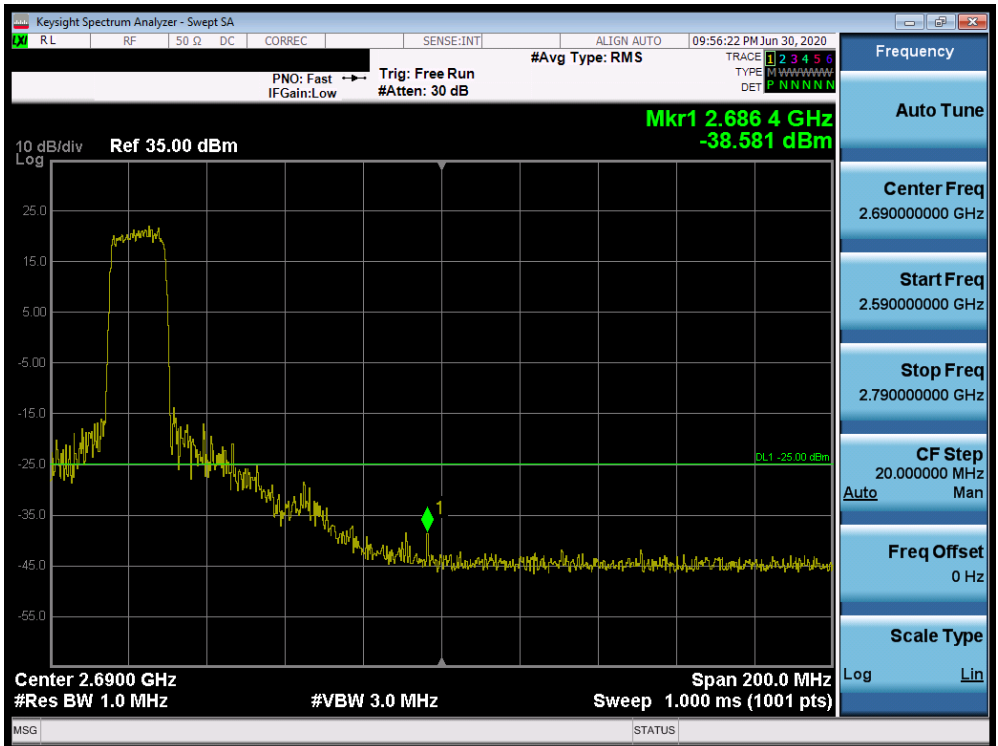


Plot 7-574. Upper Band Edge Plot (Band 38 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 315 of 467

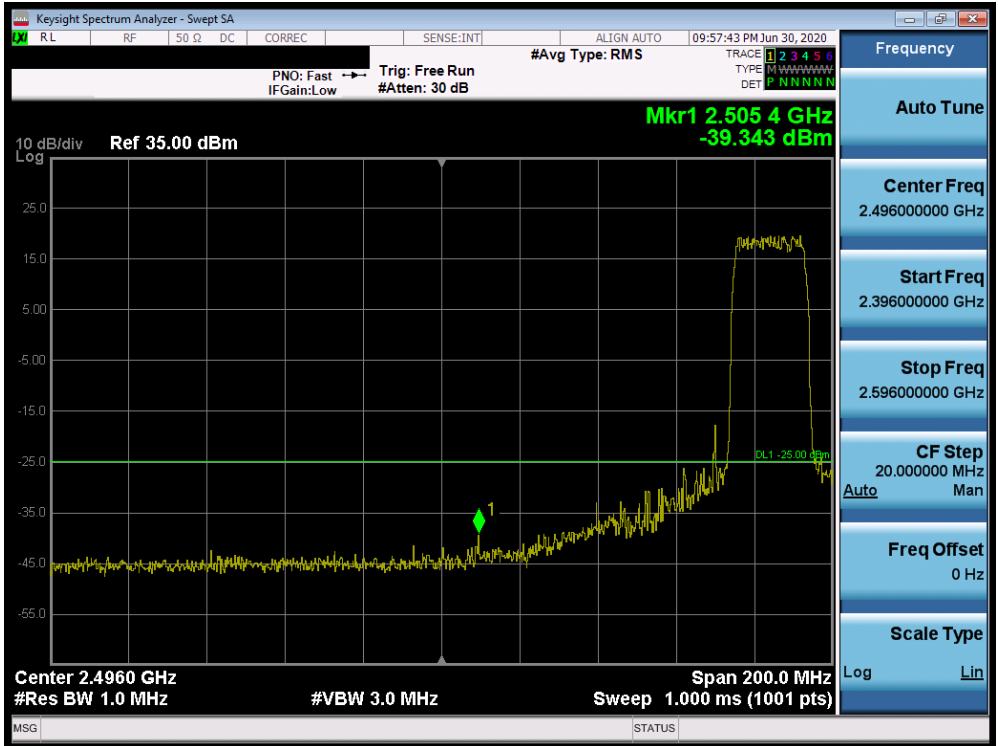


Plot 7-575. Lower Band Edge Plot (Band 38 - 15.0MHz QPSK - Full RB Configuration)

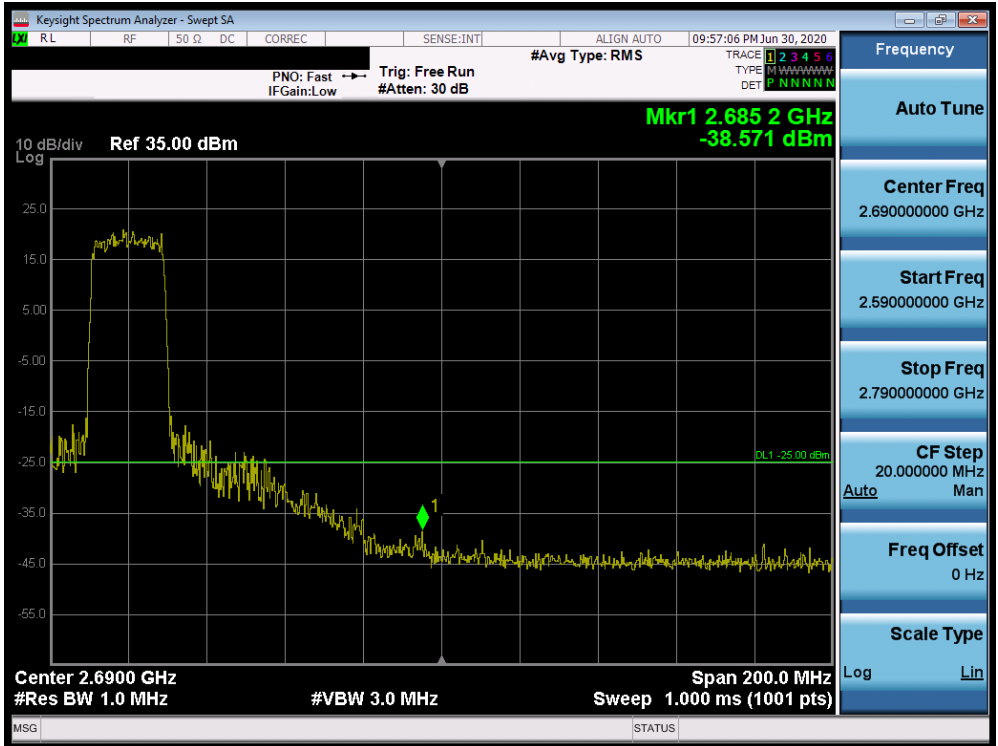


Plot 7-576. Upper Band Edge Plot (Band 38 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 316 of 467



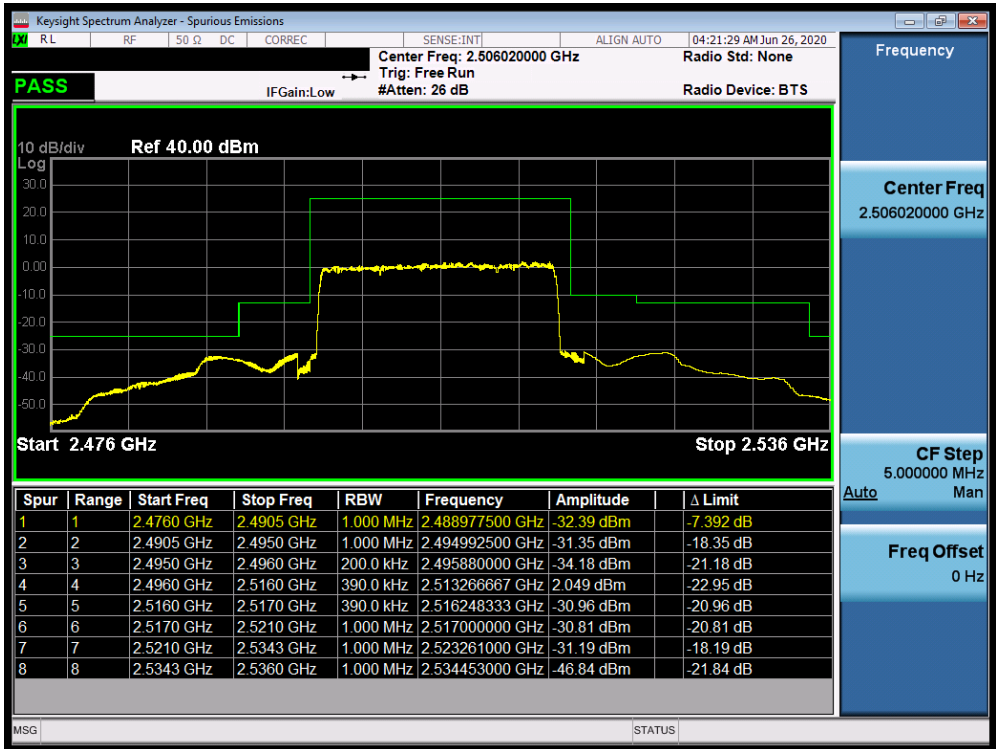
Plot 7-577. Lower Band Edge Plot (Band 38 - 20.0MHz QPSK - Full RB Configuration)



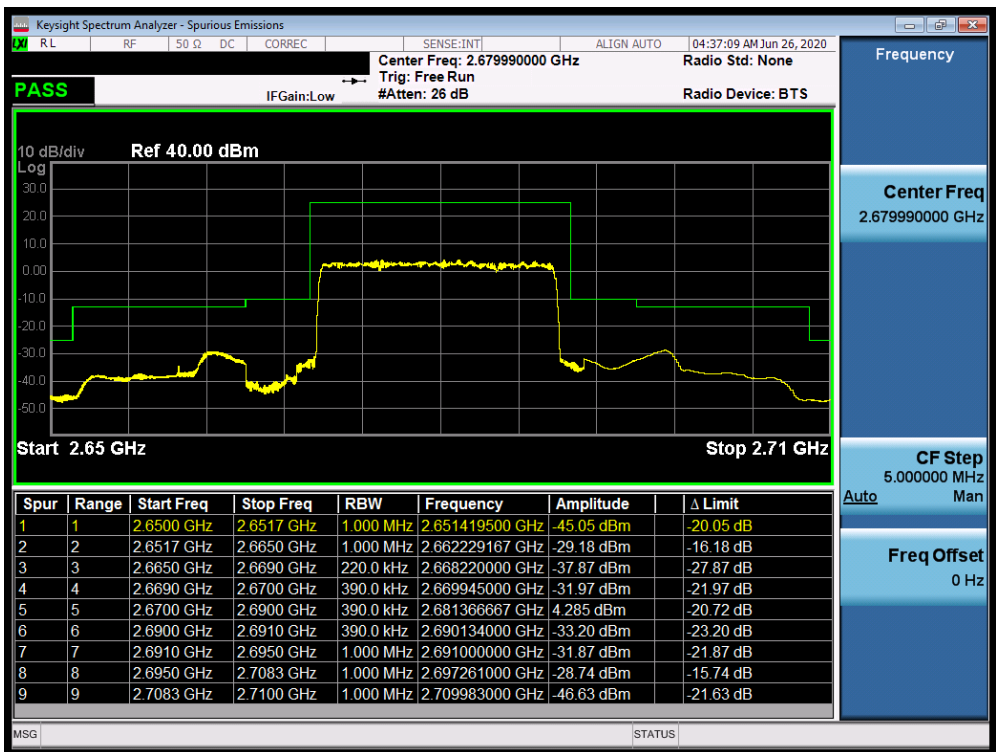
Plot 7-578. Upper Band Edge Plot (Band 38 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 317 of 467

NR Band n41

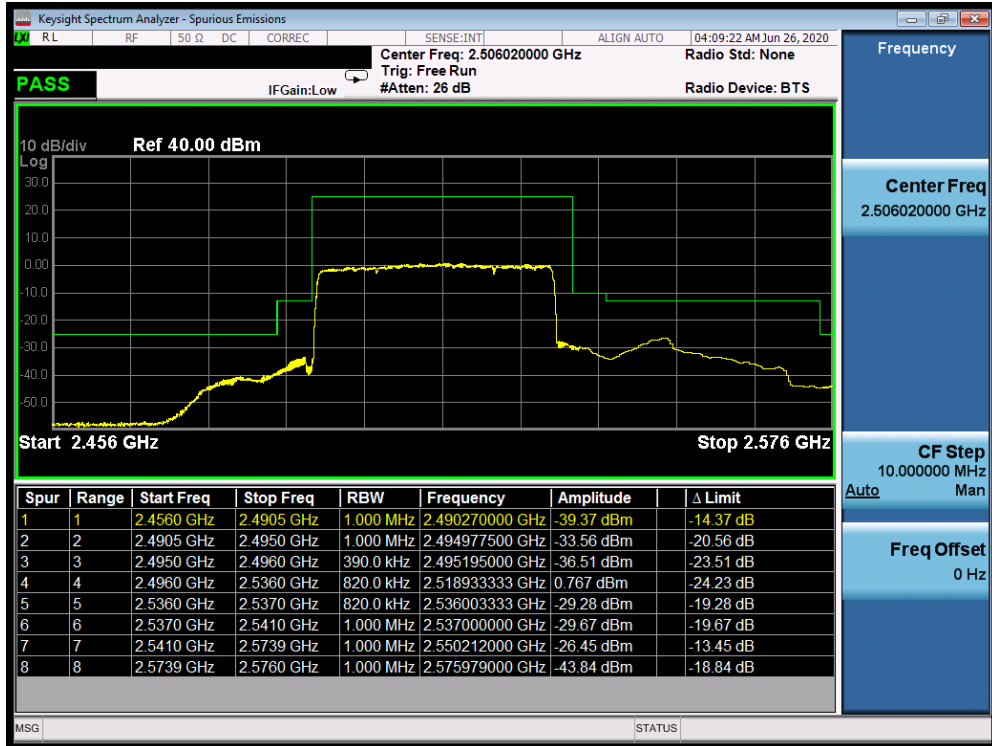


Plot 7-579. Lower ACP Plot at 2496 MHz (n41 - 20.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

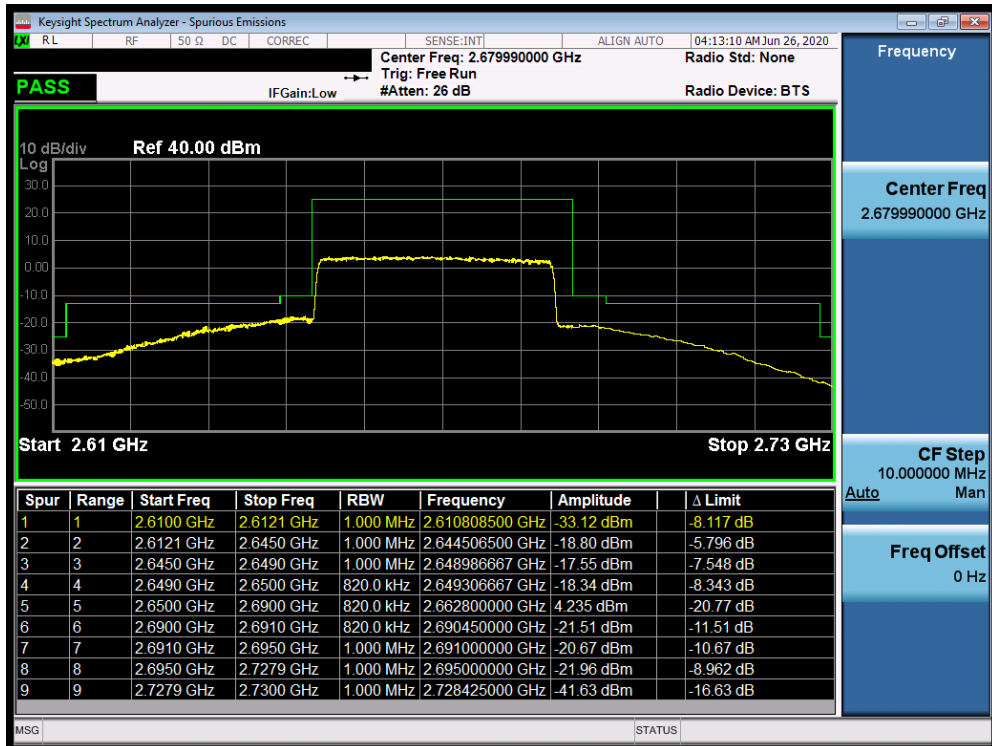


Plot 7-580. Upper ACP Plot (Band 41 - 20.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 318 of 467

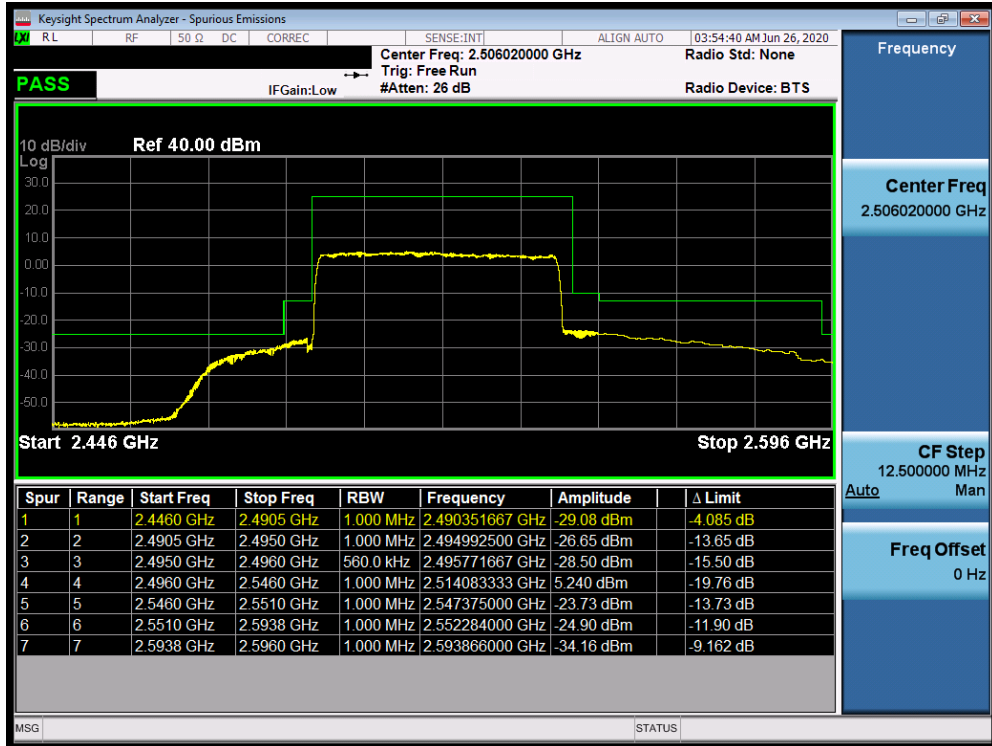


Plot 7-581. Lower ACP Plot at 2496 MHz (n41 - 40.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

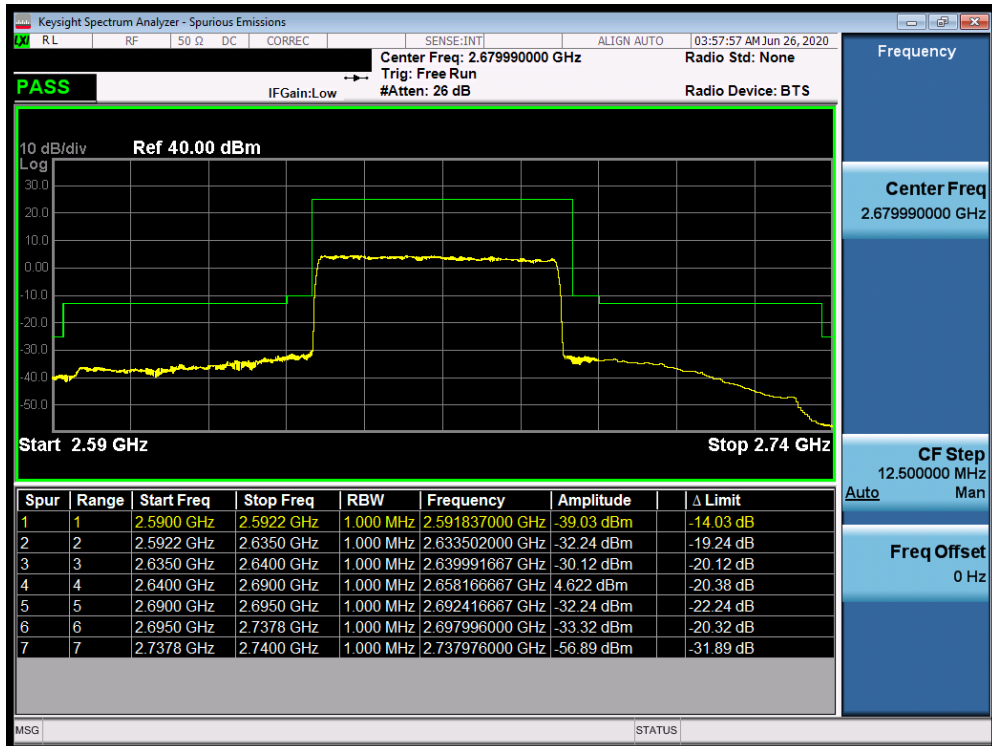


Plot 7-582. Upper ACP Plot (Band 41 - 40.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 319 of 467

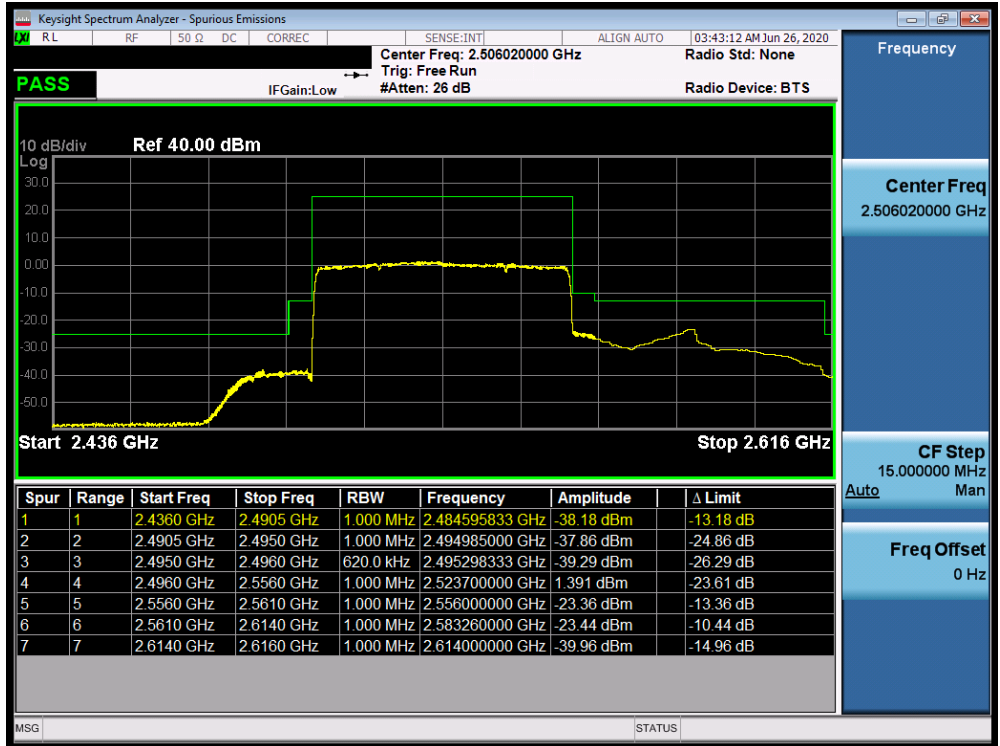


Plot 7-583. Lower ACP Plot at 2496 MHz (n41 - 50.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

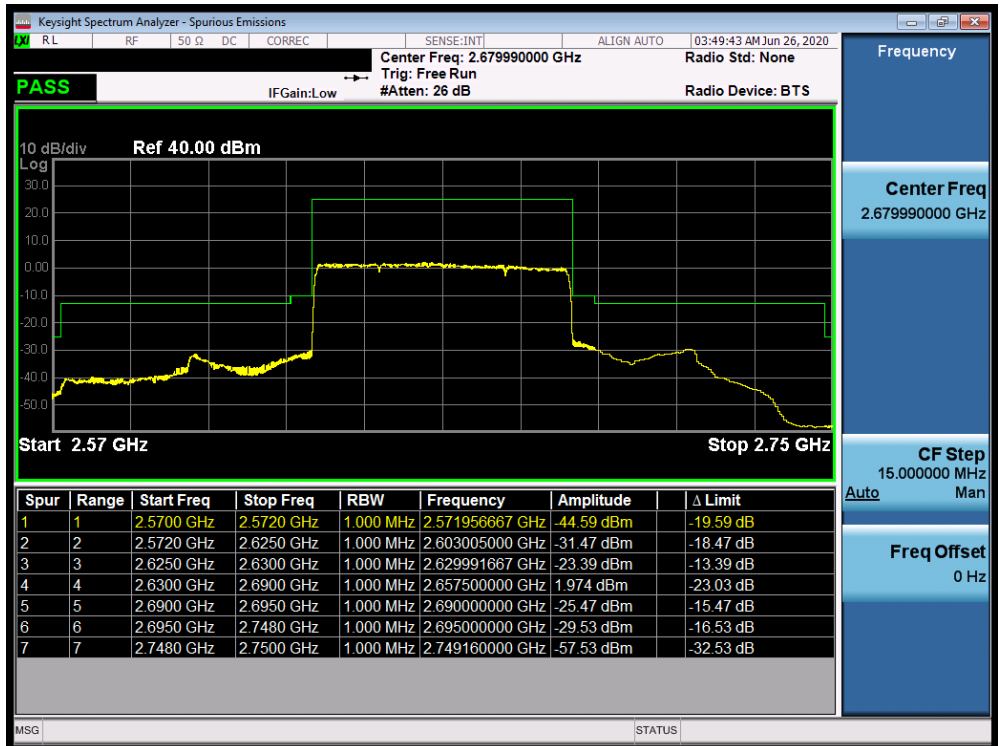


Plot 7-584. Upper ACP Plot (Band 41 - 50.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 320 of 467

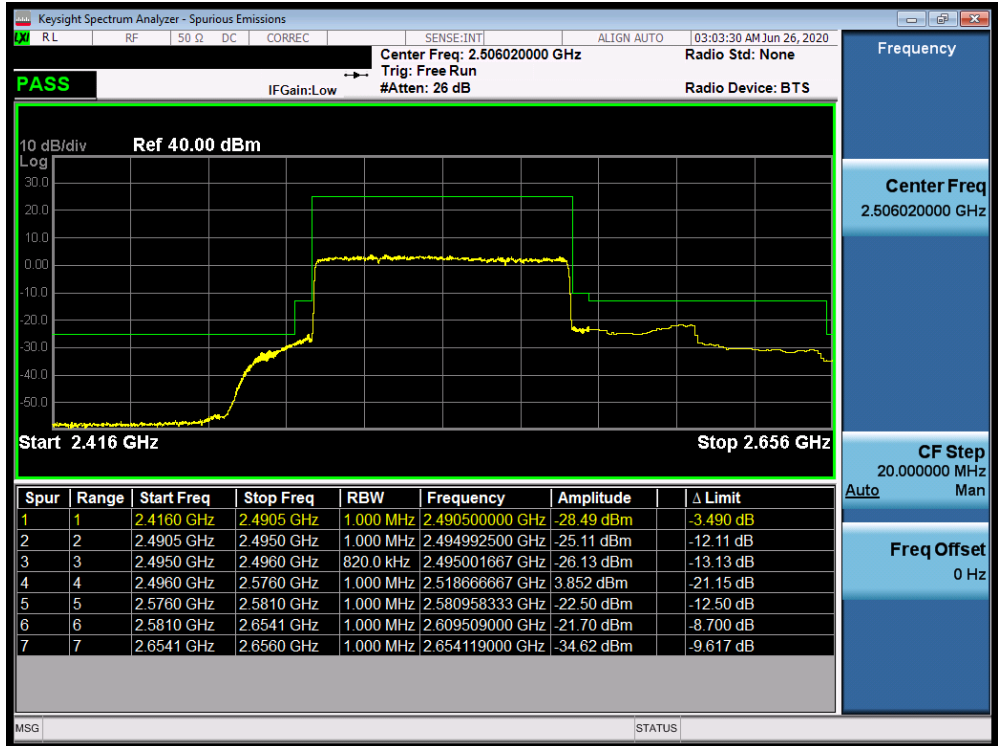


Plot 7-585. Lower ACP Plot at 2496 MHz (n41 - 60.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-586. Upper ACP Plot (Band 41 - 60.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 321 of 467

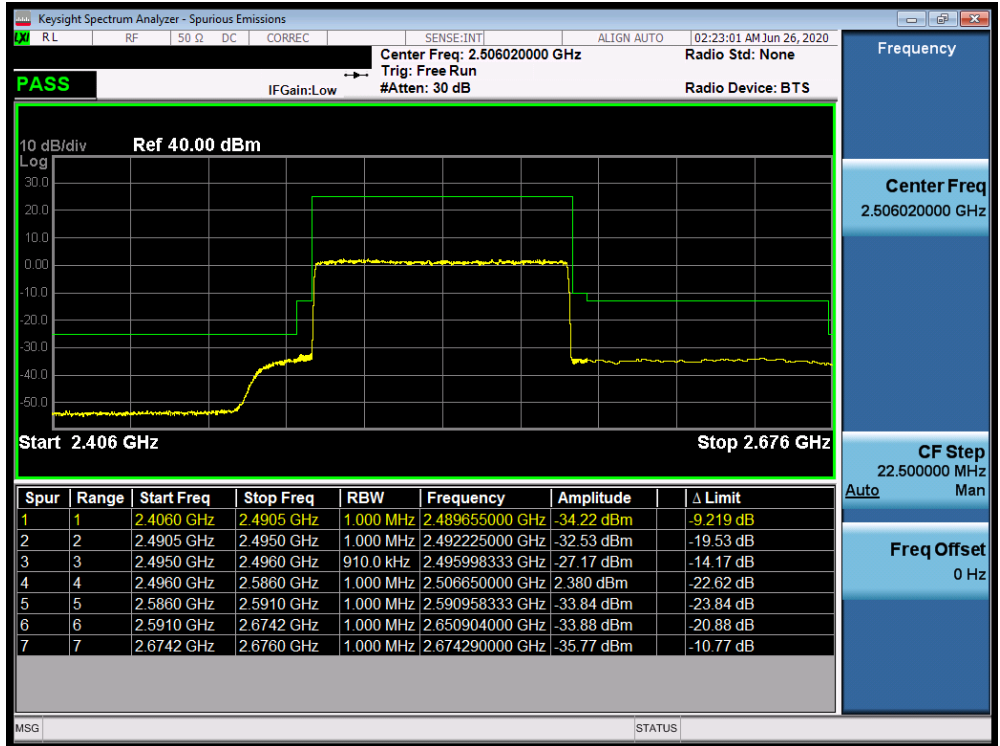


Plot 7-587. Lower ACP Plot at 2496 MHz (n41 - 80.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

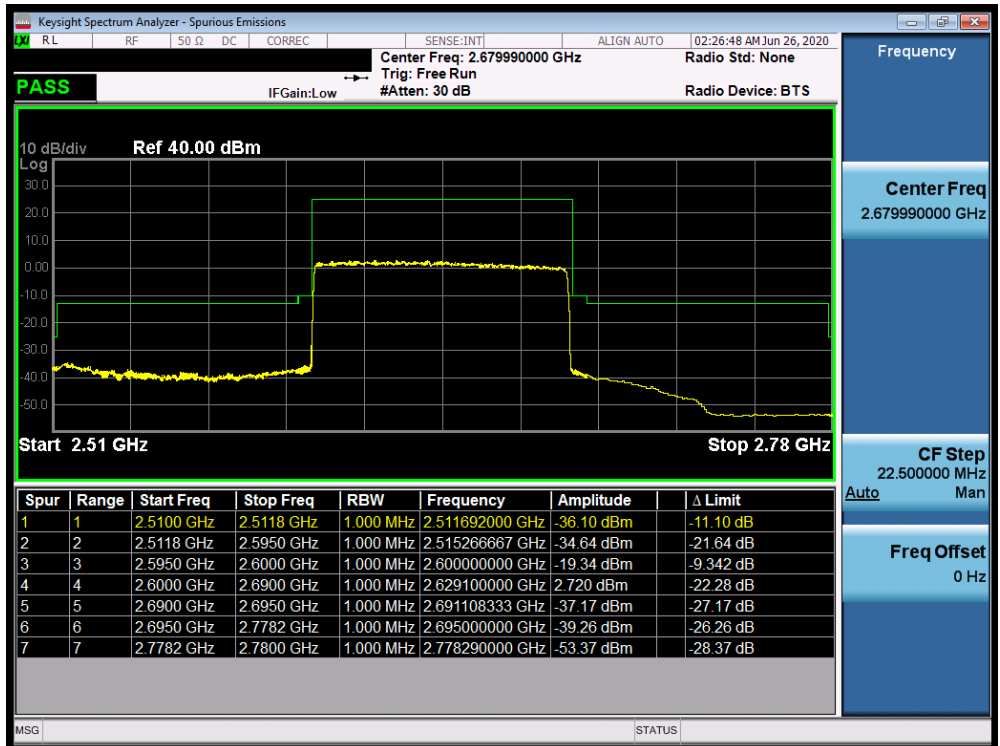


Plot 7-588. Upper ACP Plot (Band 41 - 80.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 322 of 467

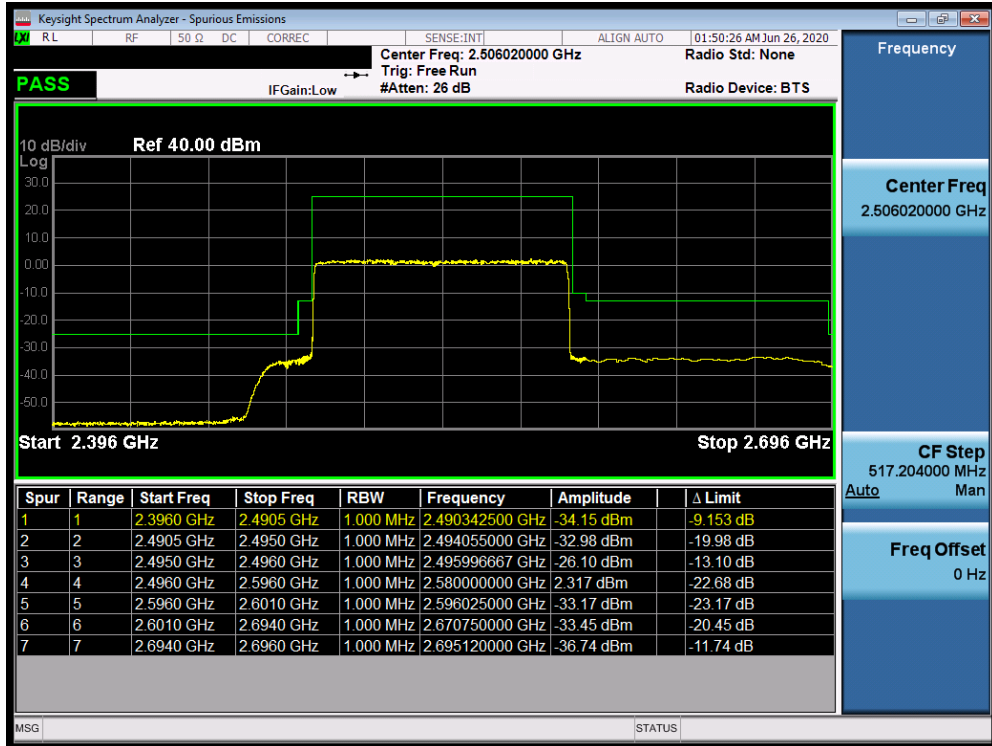


Plot 7-589. Lower ACP Plot at 2496 MHz (n41 - 90.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

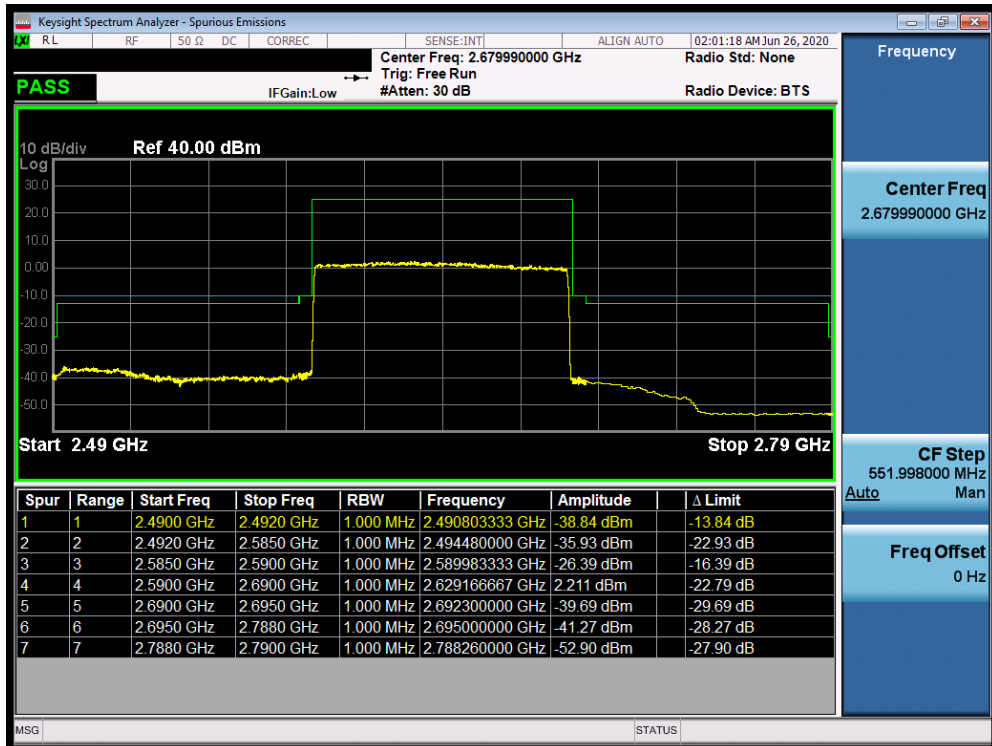


Plot 7-590. Upper ACP Plot (Band 41 - 90.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 323 of 467



Plot 7-591. Lower ACP Plot at 2496 MHz (n41 - 100.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)



Plot 7-592. Upper ACP Plot (Band n41 - 100.0MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 324 of 467

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.

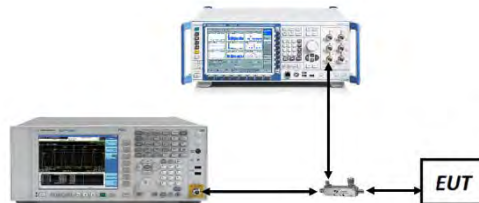


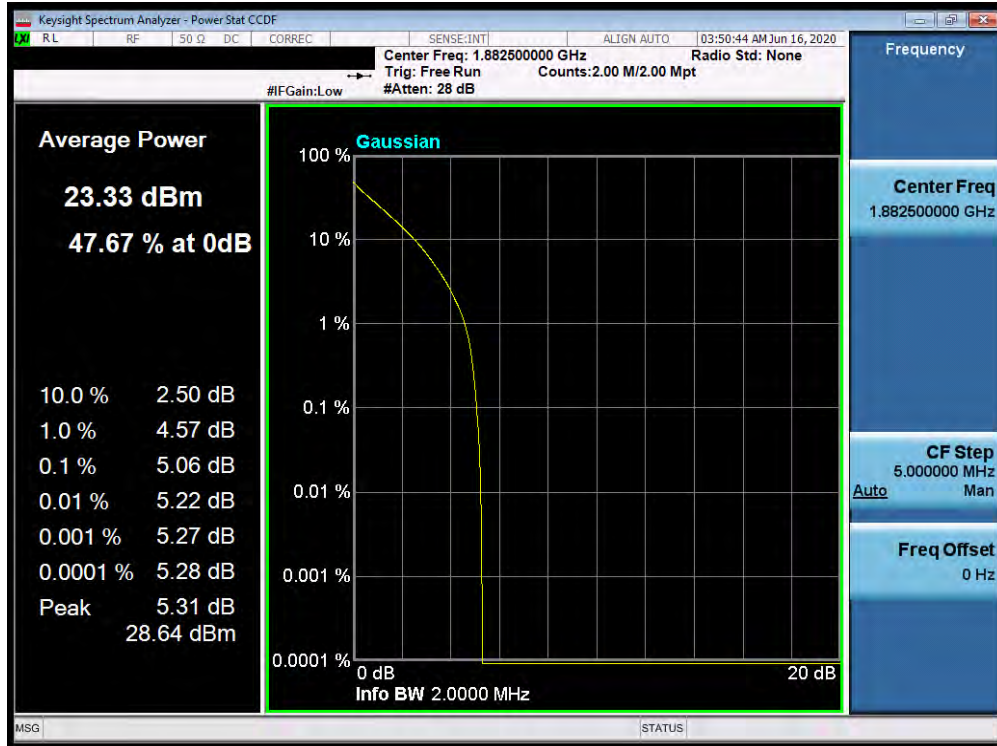
Figure 7-4. Test Instrument & Measurement Setup

Test Notes

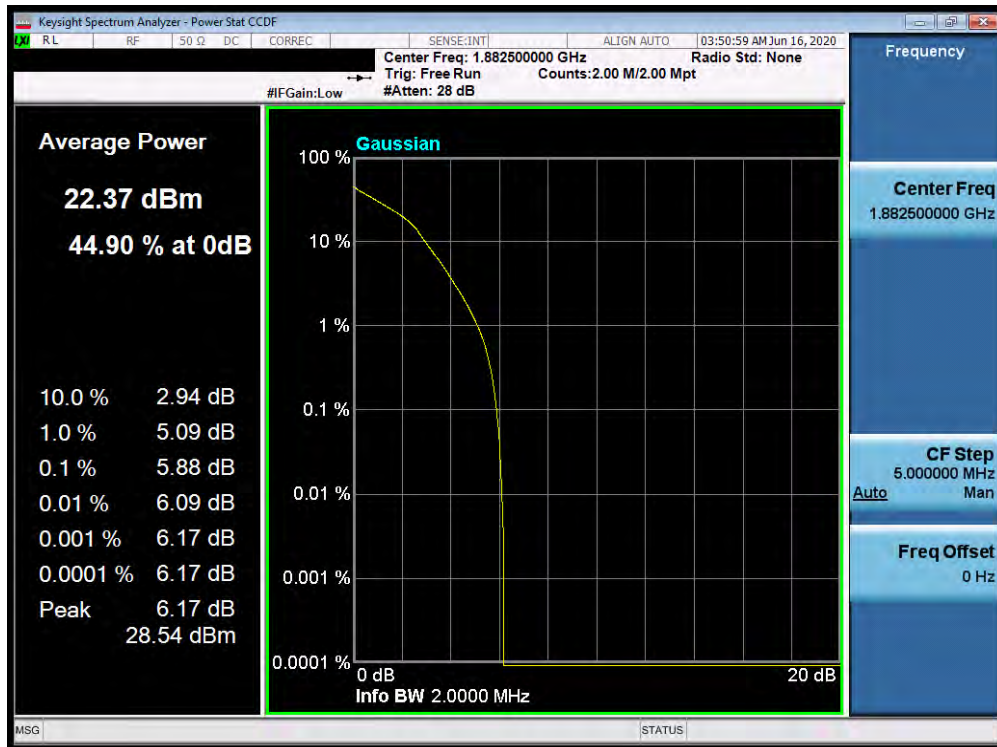
None.

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 – 07/11/2020	EUT Type: Portable Handset		Page 325 of 467

Band 25/2

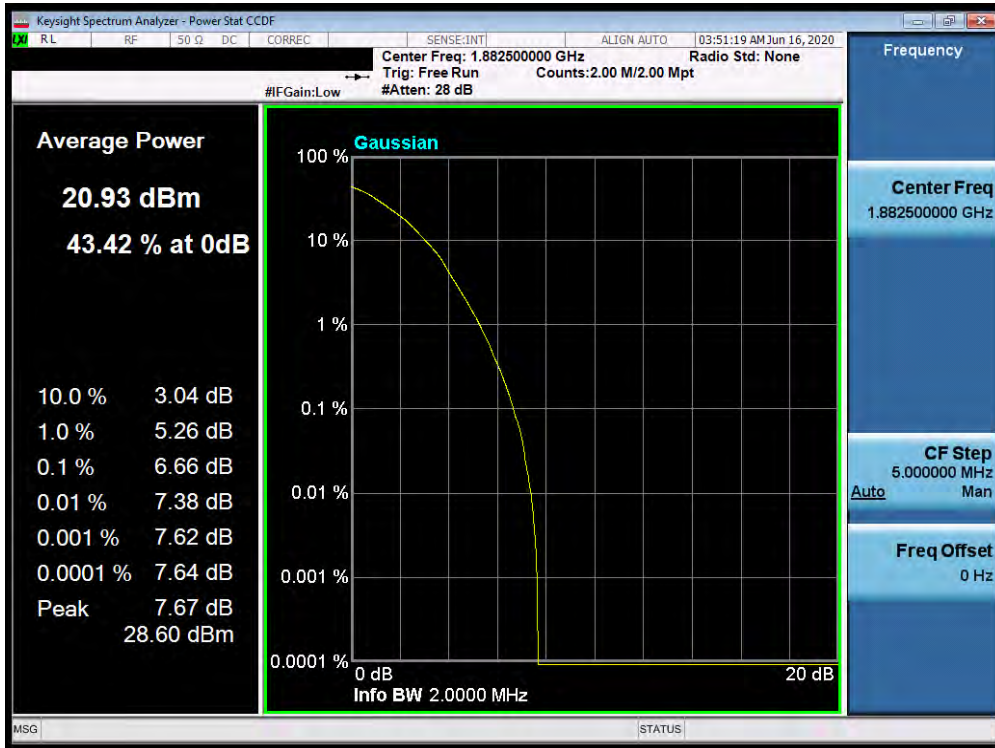


Plot 7-593. PAR Plot (Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

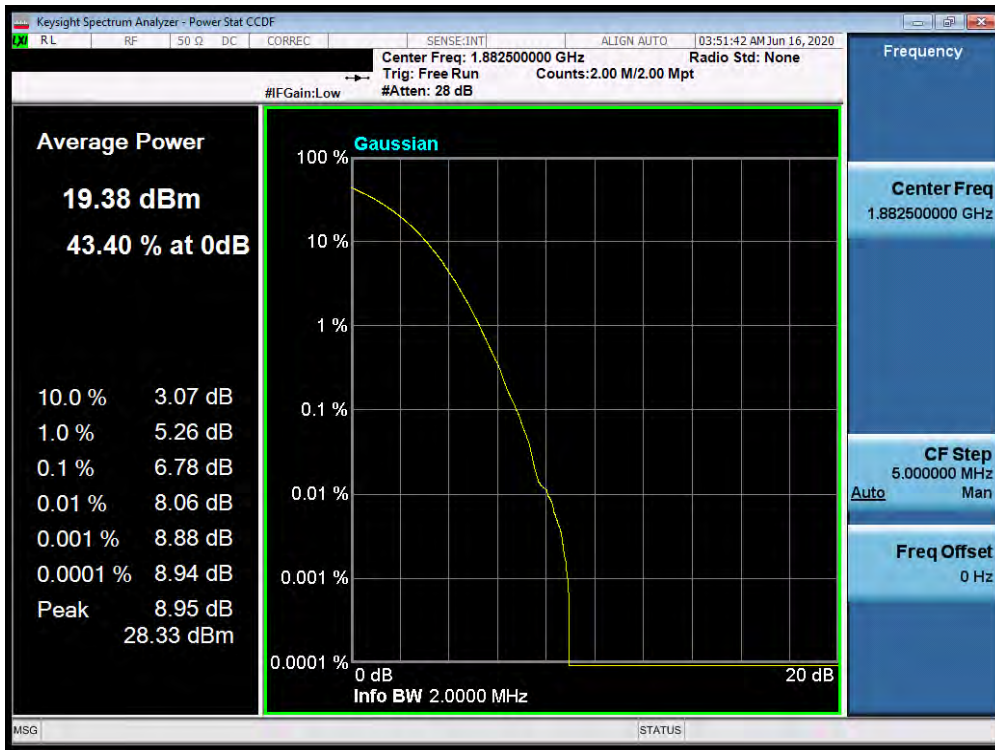


Plot 7-594. PAR Plot (Band 25/2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 326 of 467

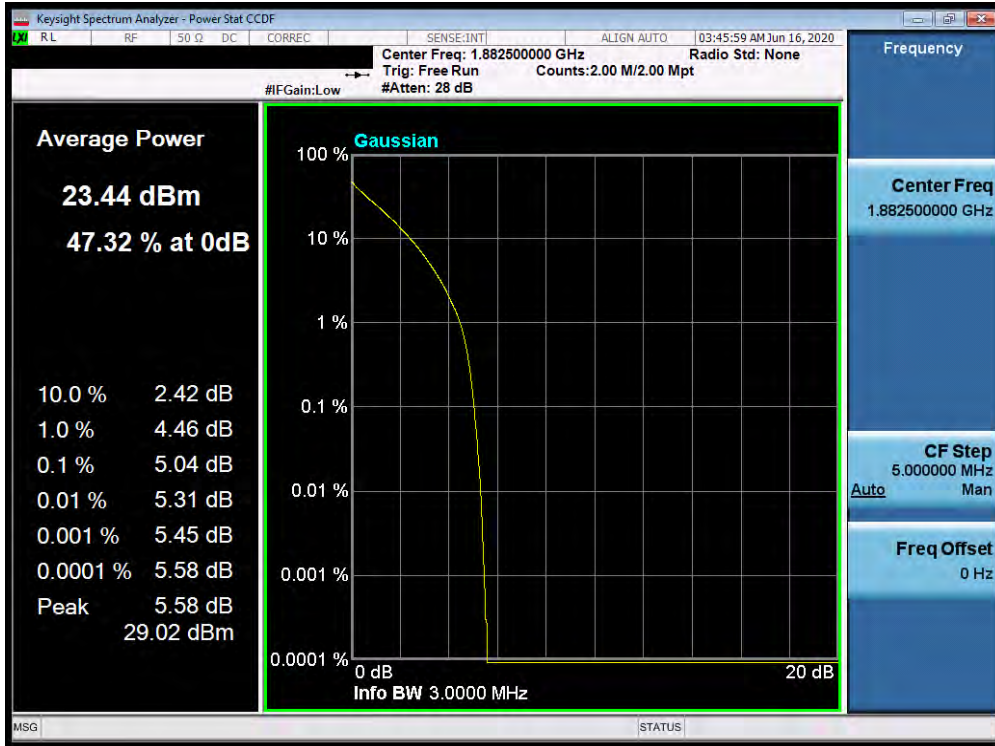


Plot 7-595. PAR Plot (Band 25/2 - 1.4MHz 64-QAM - Full RB Configuration)

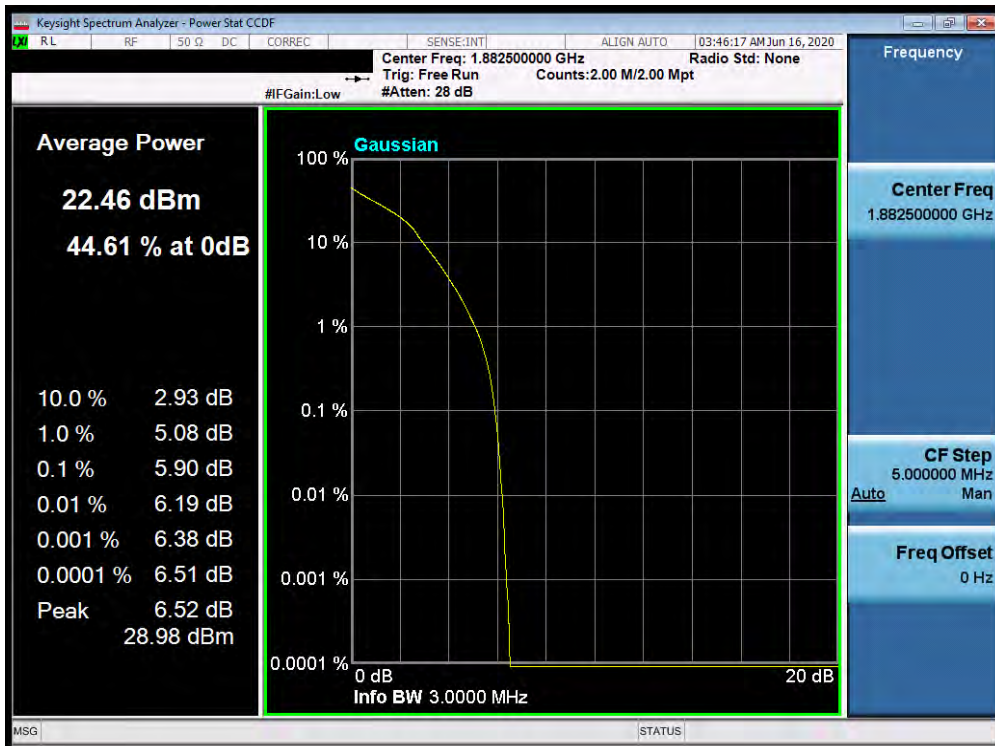


Plot 7-596. PAR Plot (Band 25/2 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: A3LSMF707U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 327 of 467



Plot 7-597. PAR Plot (Band 25/2 - 3.0MHz QPSK - Full RB Configuration)



Plot 7-598. PAR Plot (Band 25/2 - 3.0MHz 16-QAM - Full RB Configuration)

FCC ID: A3LSMF707U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M2005040080-03.A3L	Test Dates: 05/04 - 07/11/2020	EUT Type: Portable Handset		Page 328 of 467