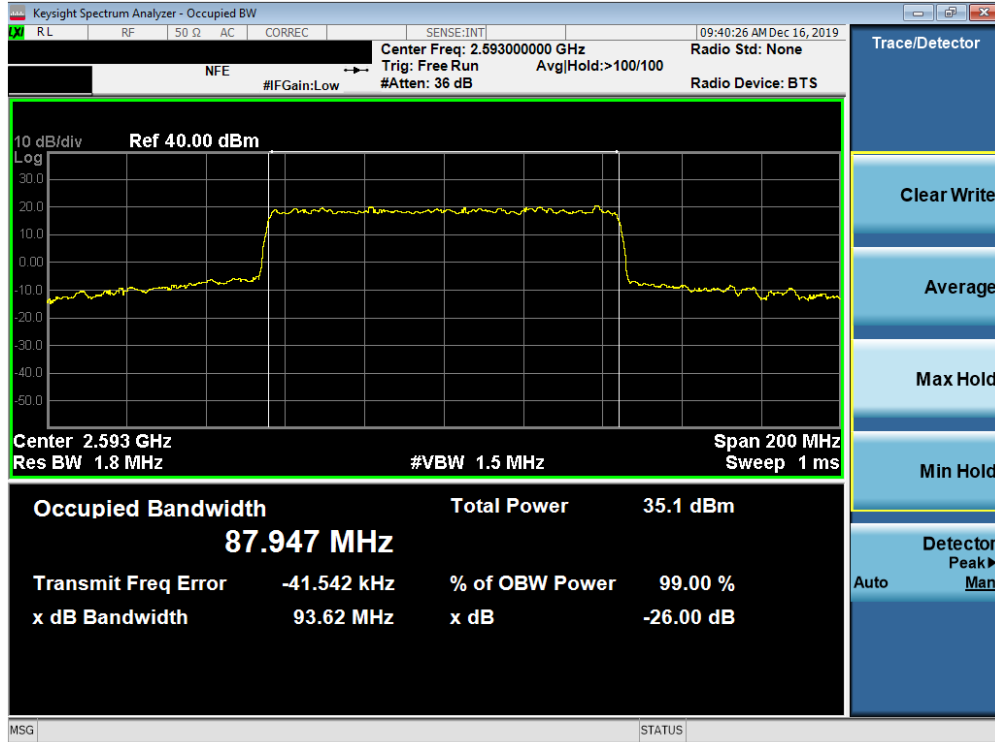
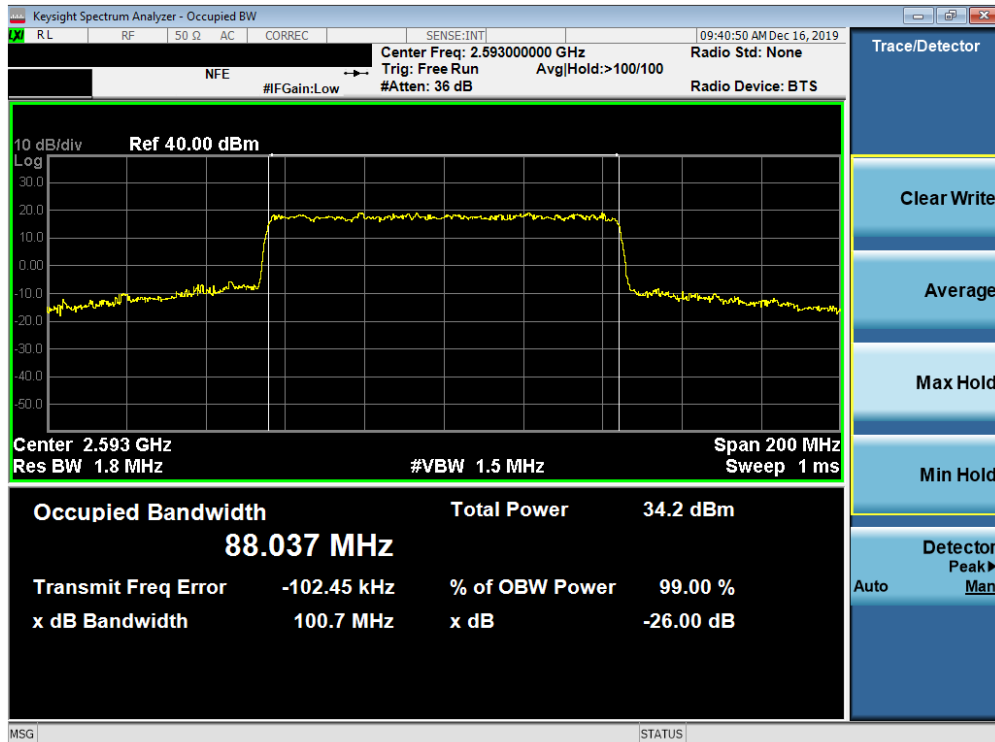


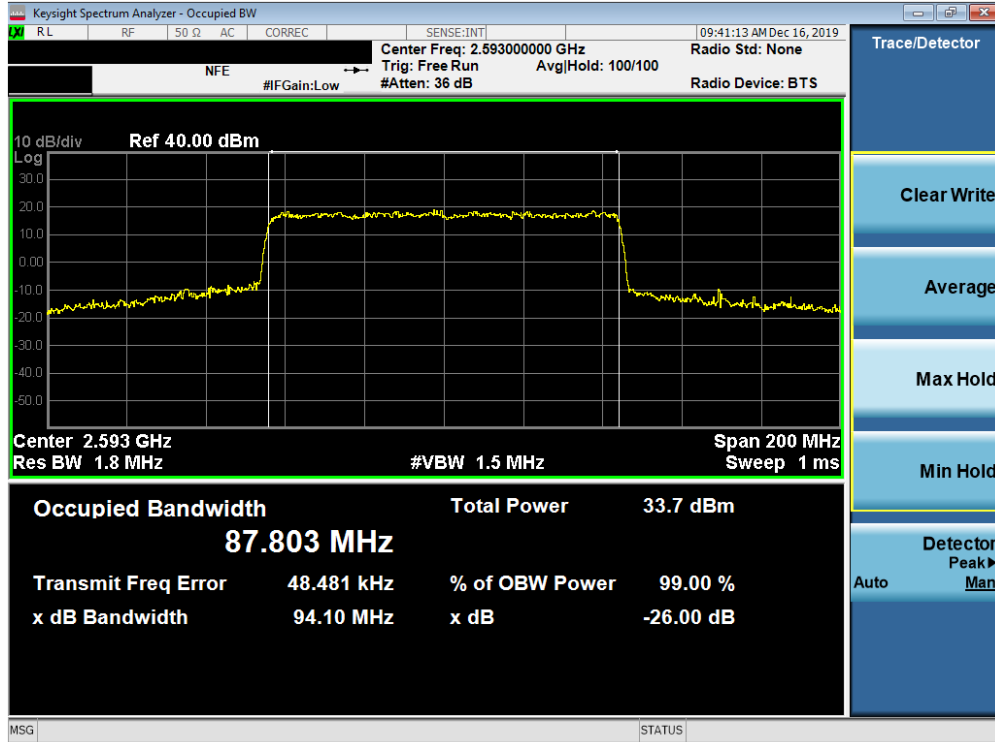


Plot 7-625. Occupied Bandwidth Plot (n41 (PC2) 90MHz QPSK - CP-OFDM - Full RB Configuration)

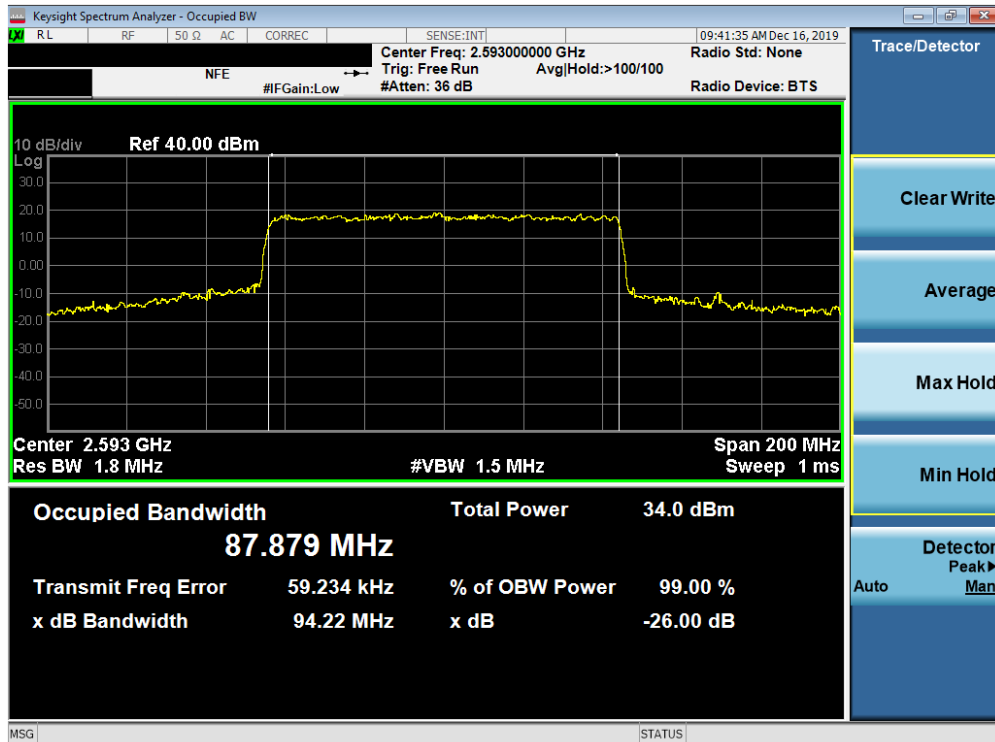


Plot 7-626. Occupied Bandwidth Plot (n41 (PC2) 90MHz 16QAM - CP-OFDM - Full RB Configuration)

FCC ID: ZNFV600TM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 395 of 488

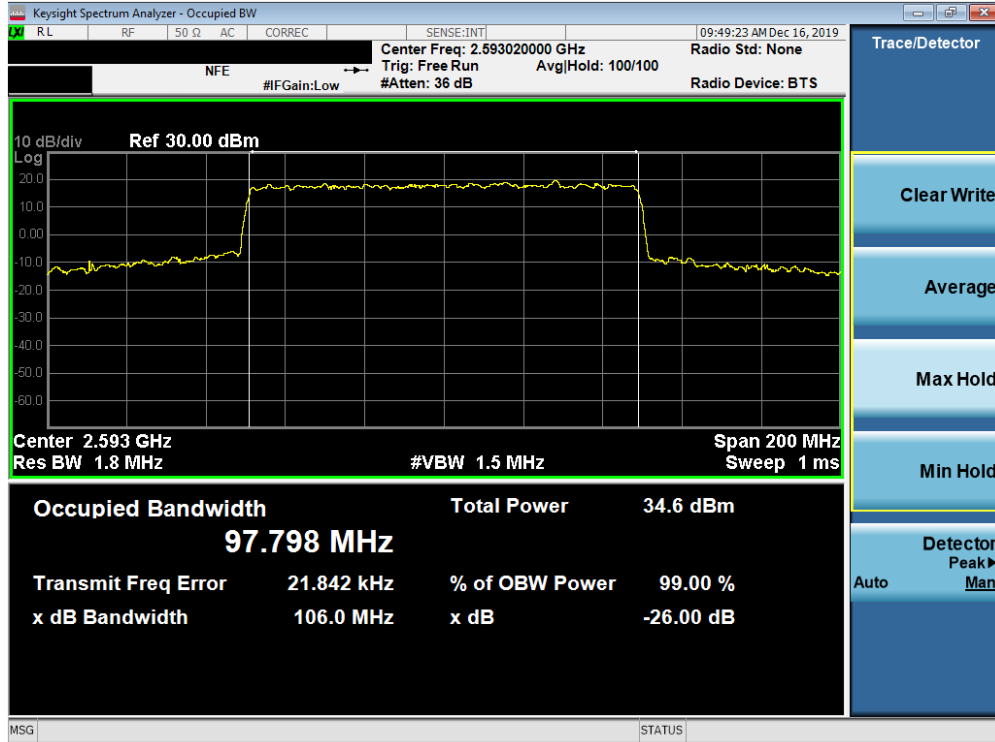


Plot 7-627. Occupied Bandwidth Plot (n41 (PC2) 90MHz 64QAM - CP-OFDM- Full RB Configuration)

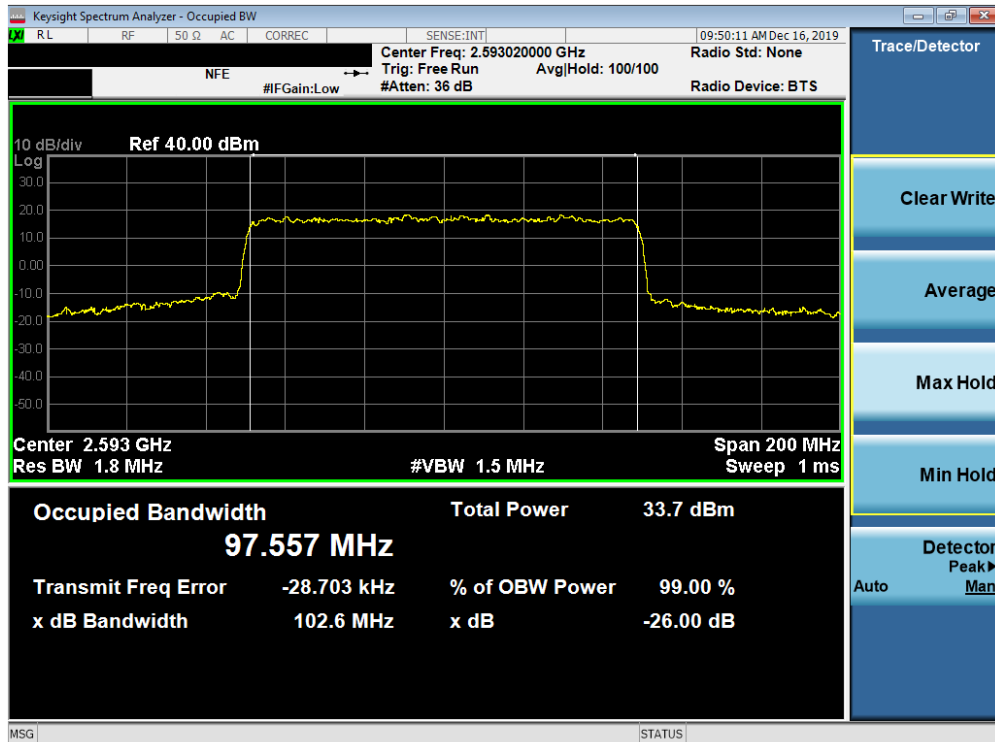


Plot 7-628. Occupied Bandwidth Plot (n41 (PC2) 90MHz 256QAM - CP-OFDM - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 396 of 488

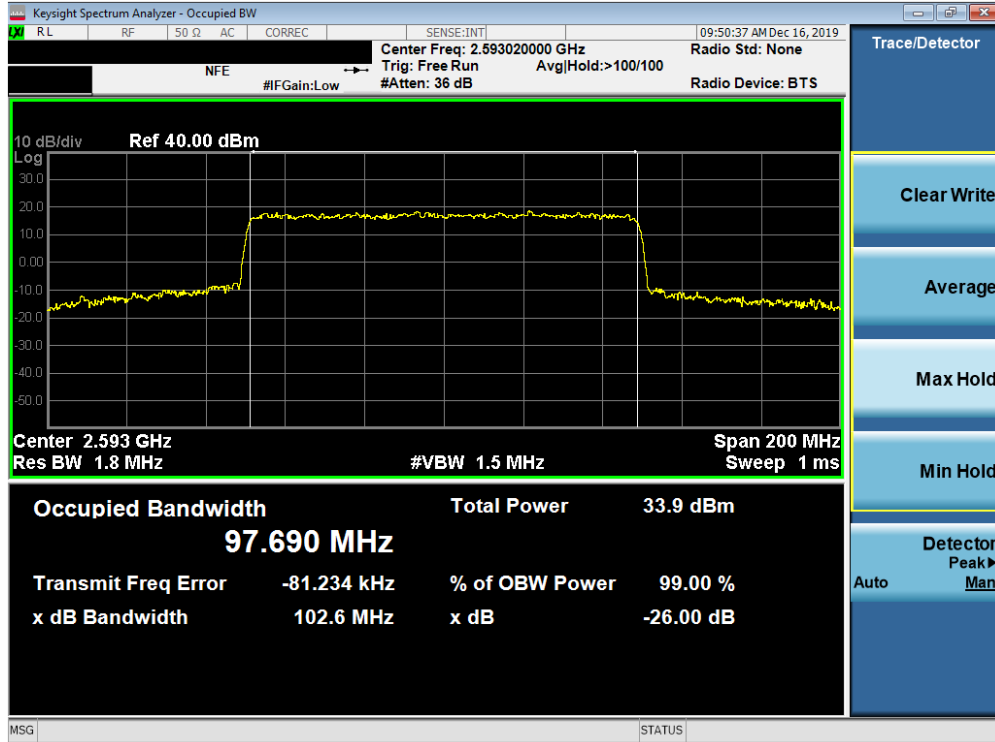


Plot 7-629. Occupied Bandwidth Plot (n41 (PC2) 100MHz QPSK - CP-OFDM - Full RB Configuration)

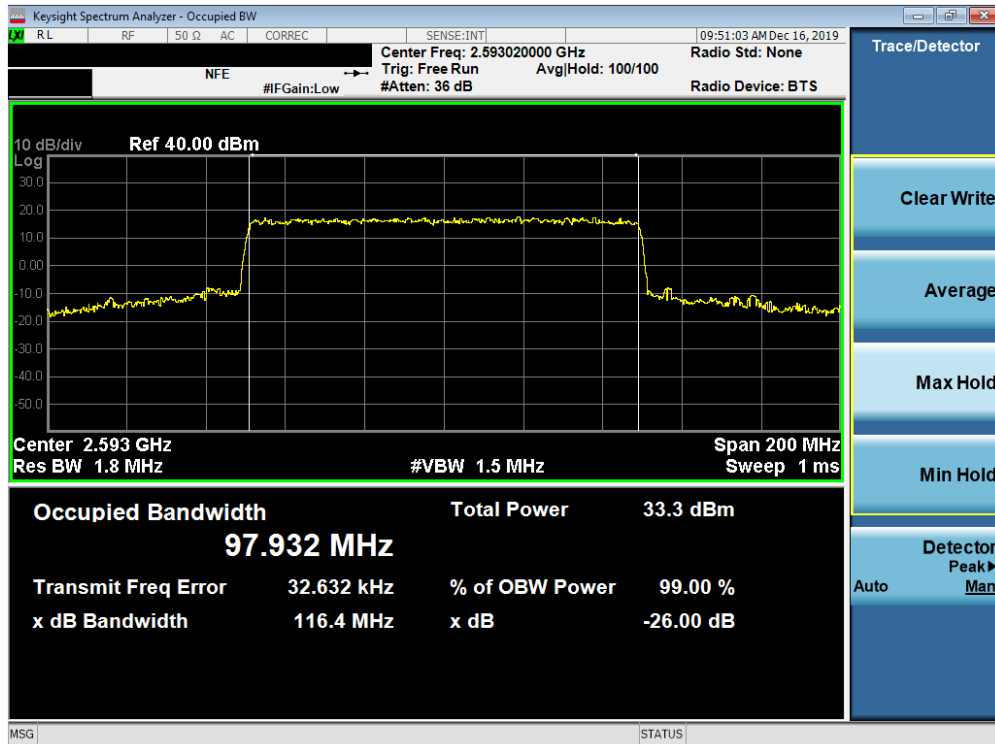


Plot 7-630. Occupied Bandwidth Plot (n41 (PC2) 100MHz 16QAM - CP-OFDM - Full RB Configuration)

FCC ID: ZNFV600TM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 397 of 488



Plot 7-631. Occupied Bandwidth Plot (n41 (PC2) 100MHz 64QAM - CP-OFDM- Full RB Configuration)



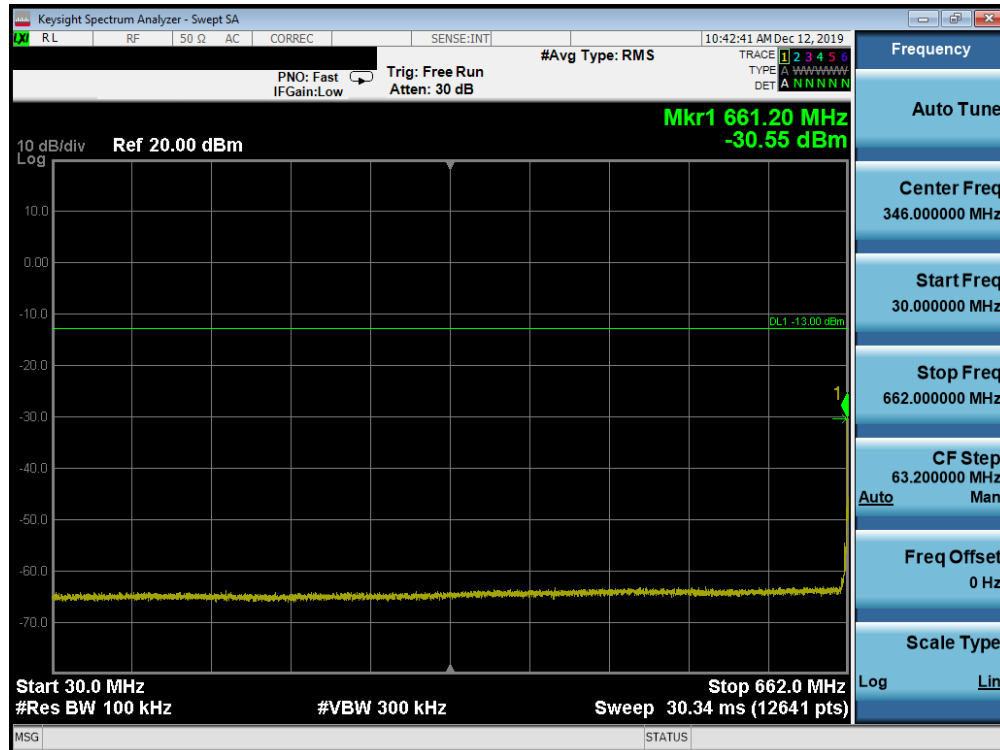
Plot 7-632. Occupied Bandwidth Plot (n41 (PC2) 100MHz 256QAM - CP-OFDM - Full RB Configuration)

FCC ID: ZNFV600TM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 398 of 488

Spurious and Harmonic Emissions at the Antenna Terminal

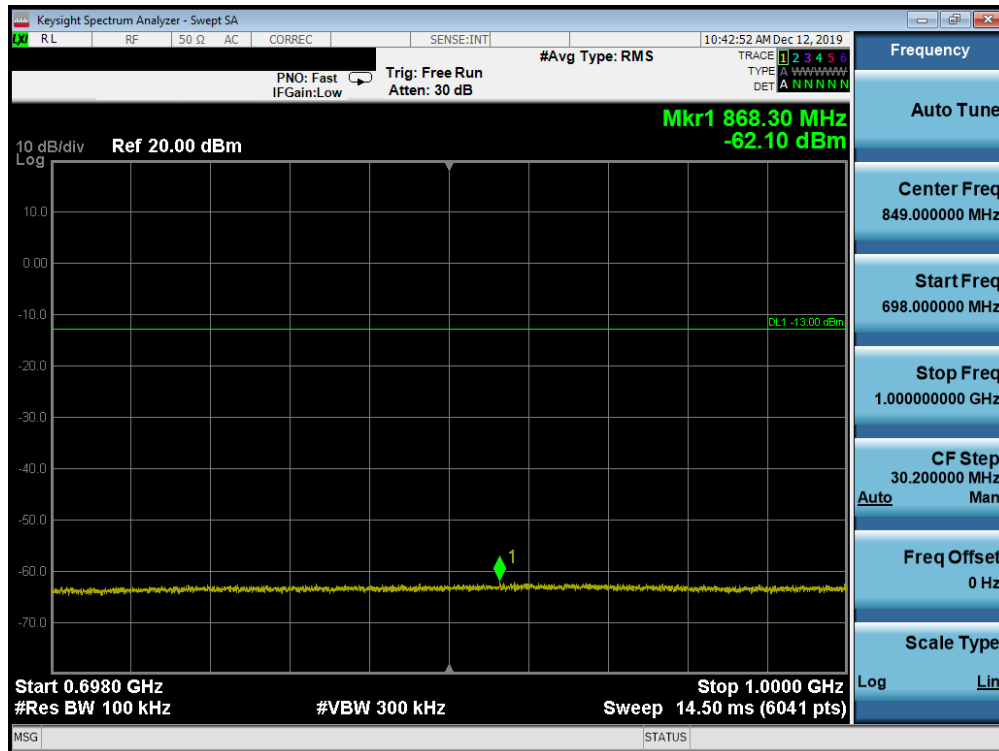
All SCS's and Waveforms (CP-OFDM vs DFT-s OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

NR Band n71

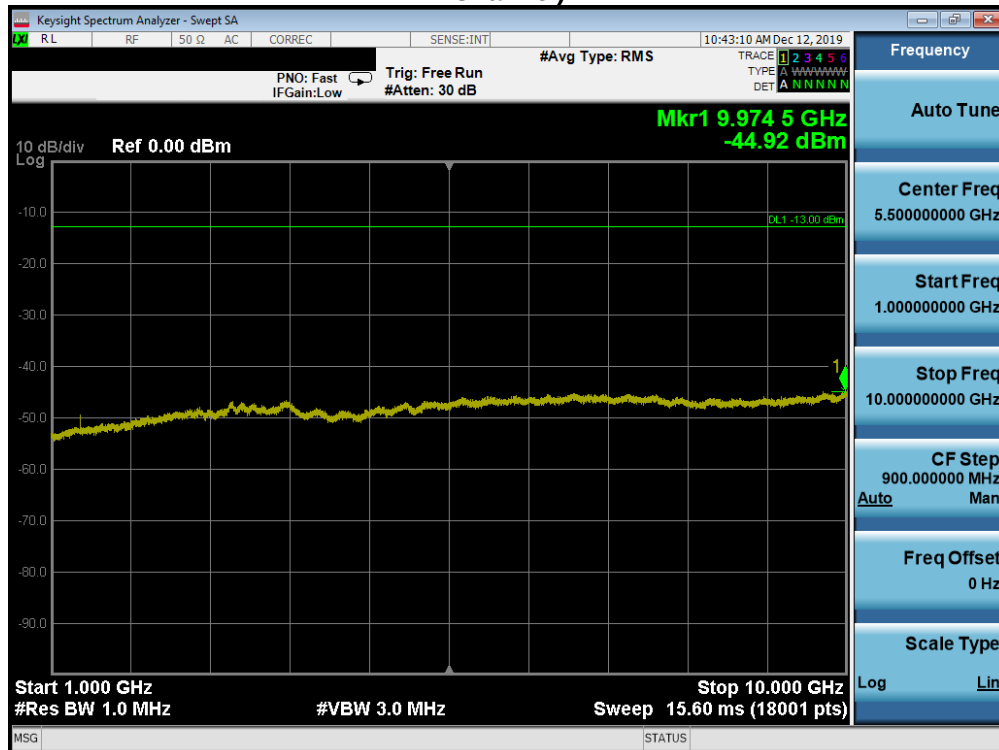


Plot 7-633. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600TM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 399 of 488

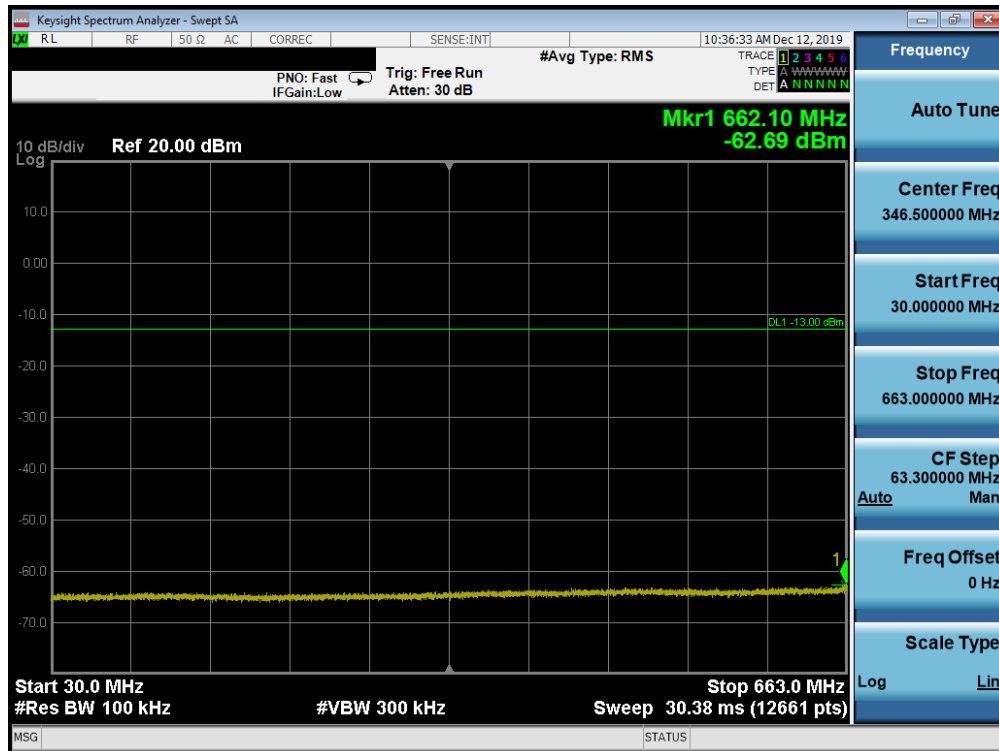


Plot 7-634. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

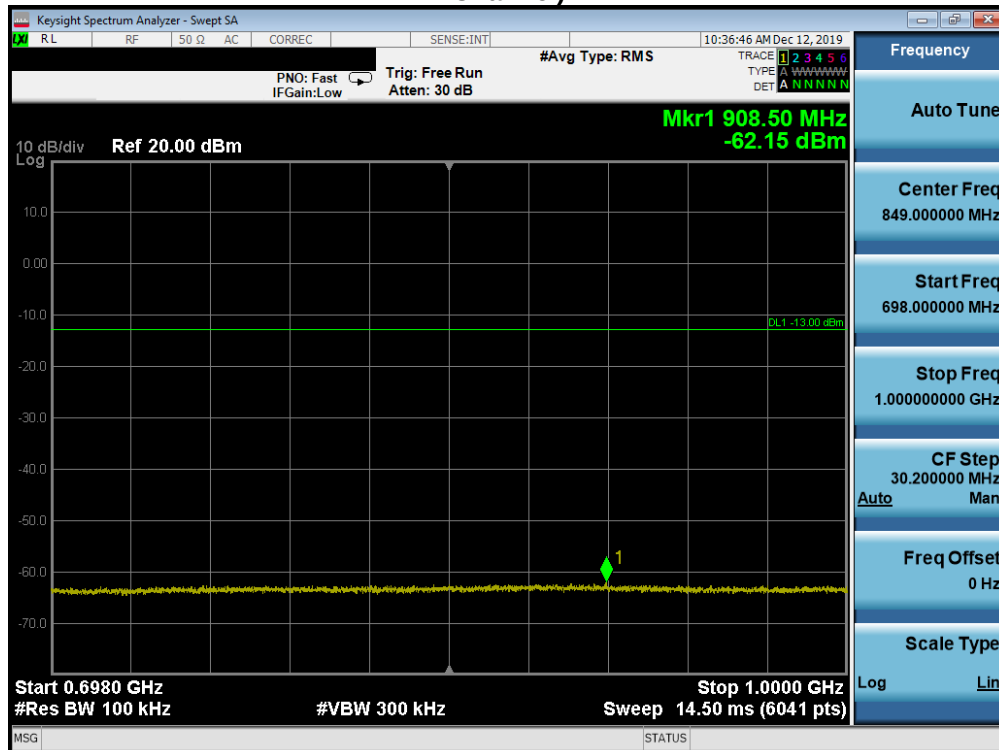


Plot 7-635. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 400 of 488

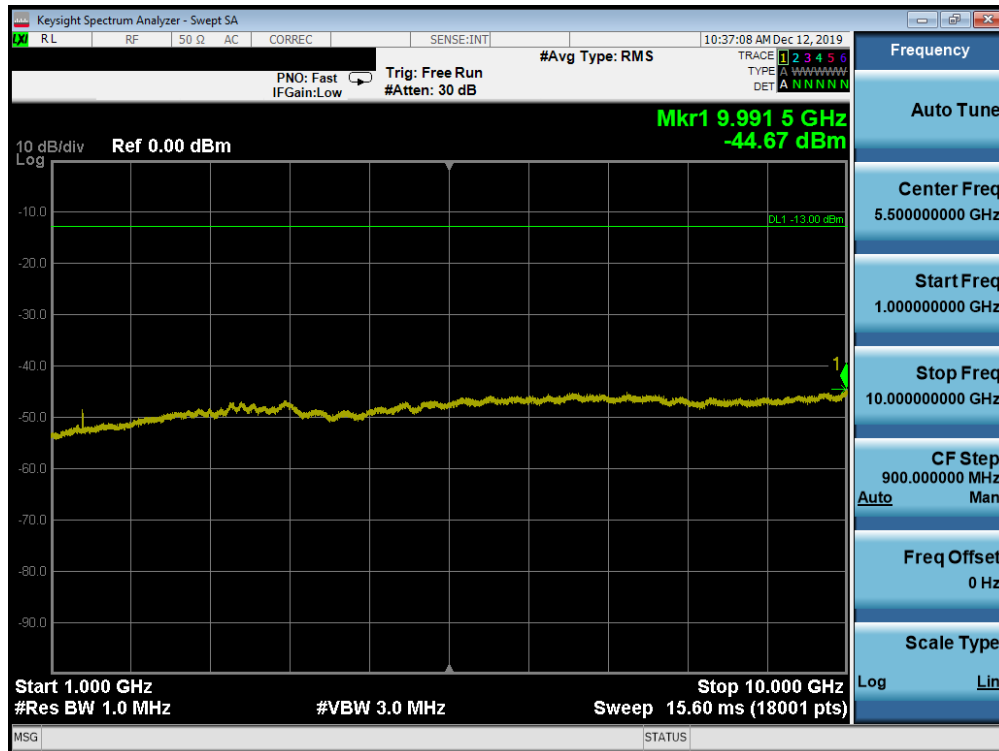


Plot 7-636. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

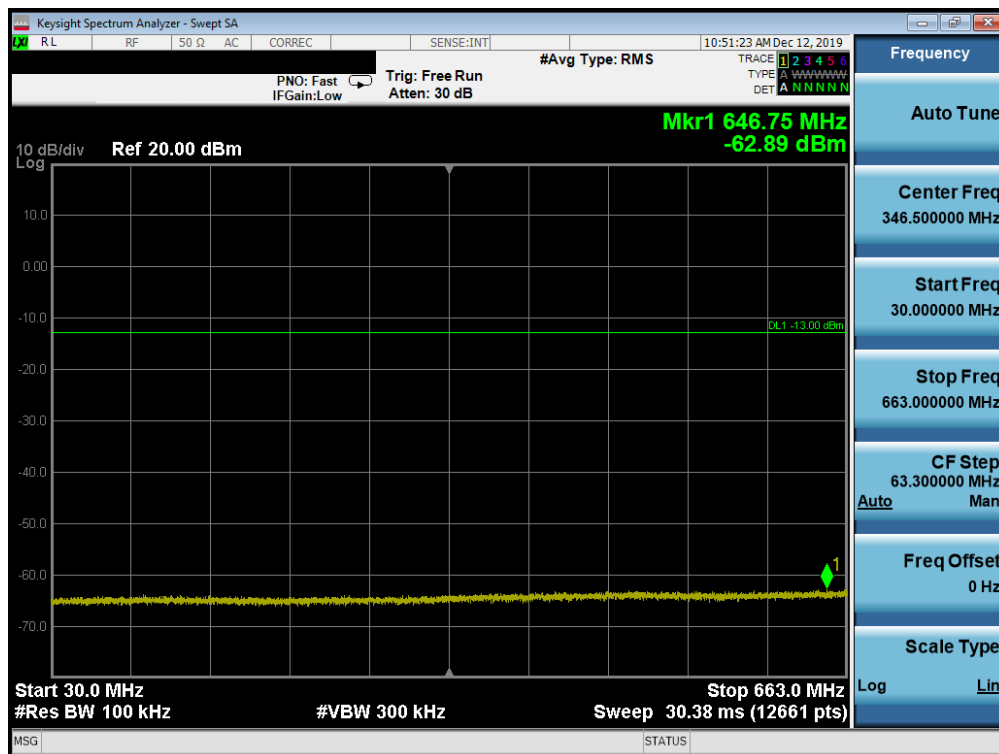


Plot 7-637. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 401 of 488

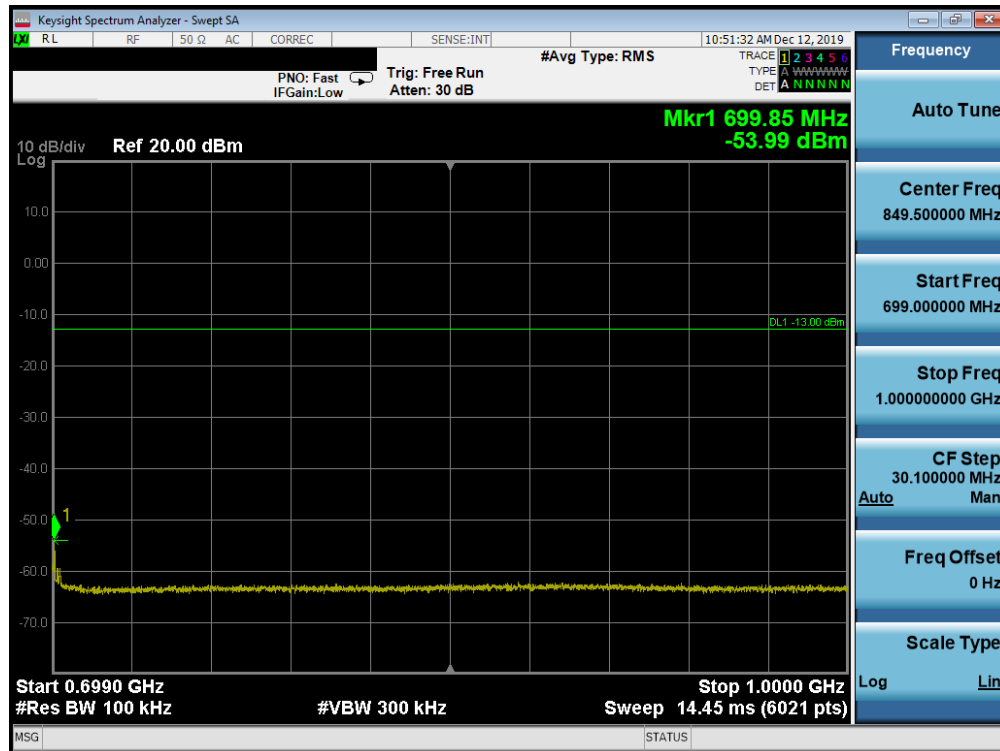


Plot 7-638. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

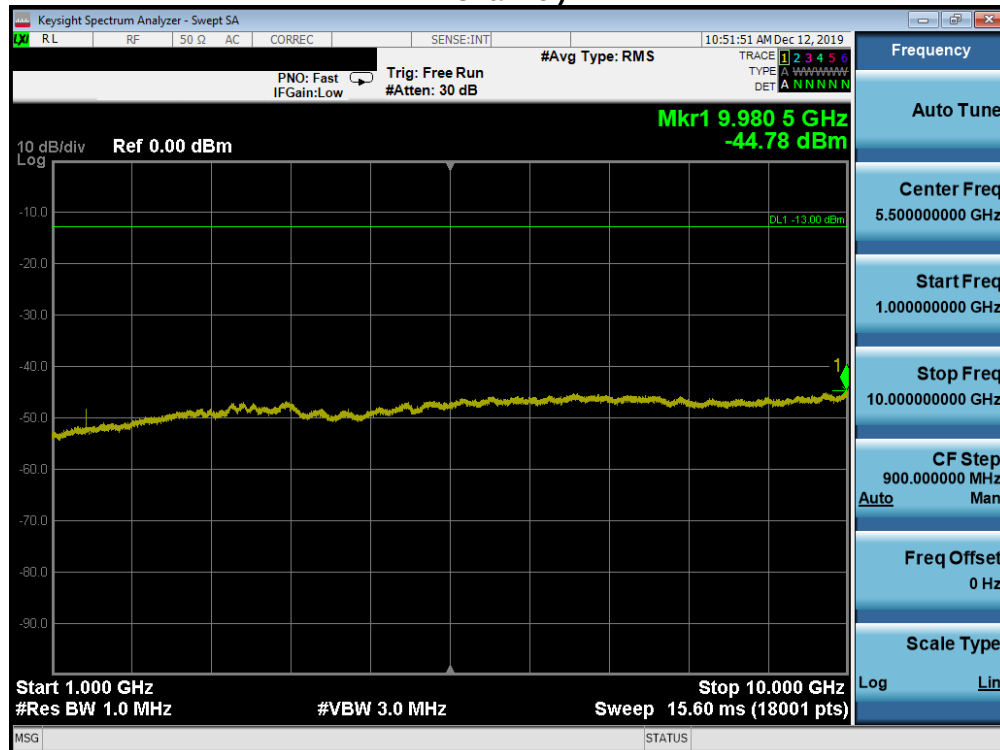


Plot 7-639. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)		 LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 402 of 488



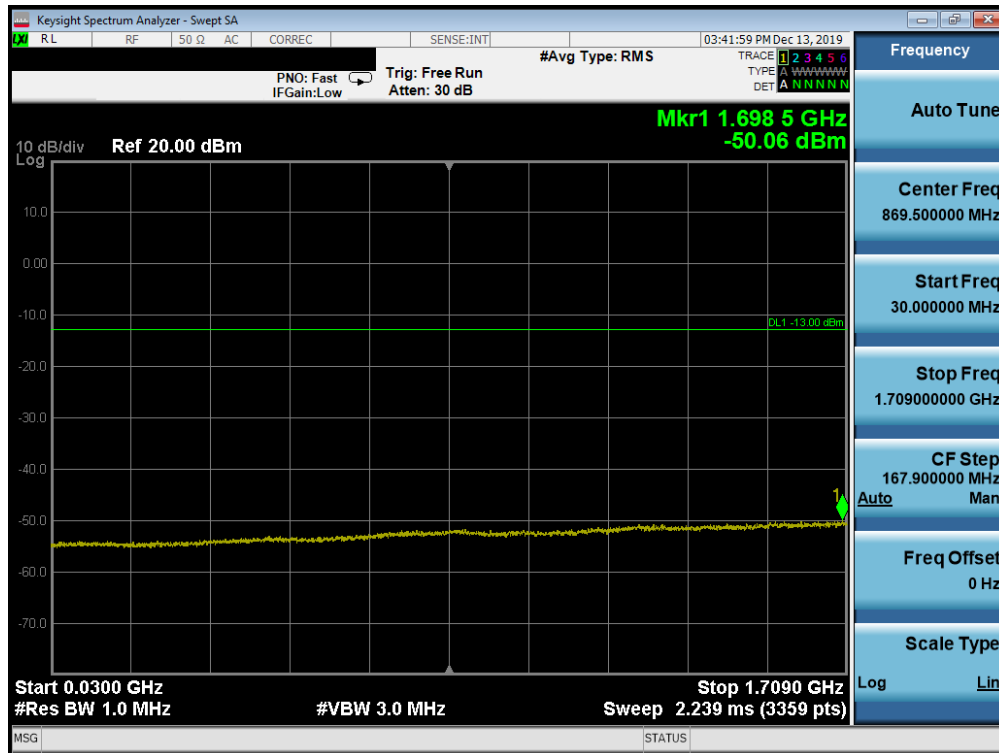
Plot 7-640. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



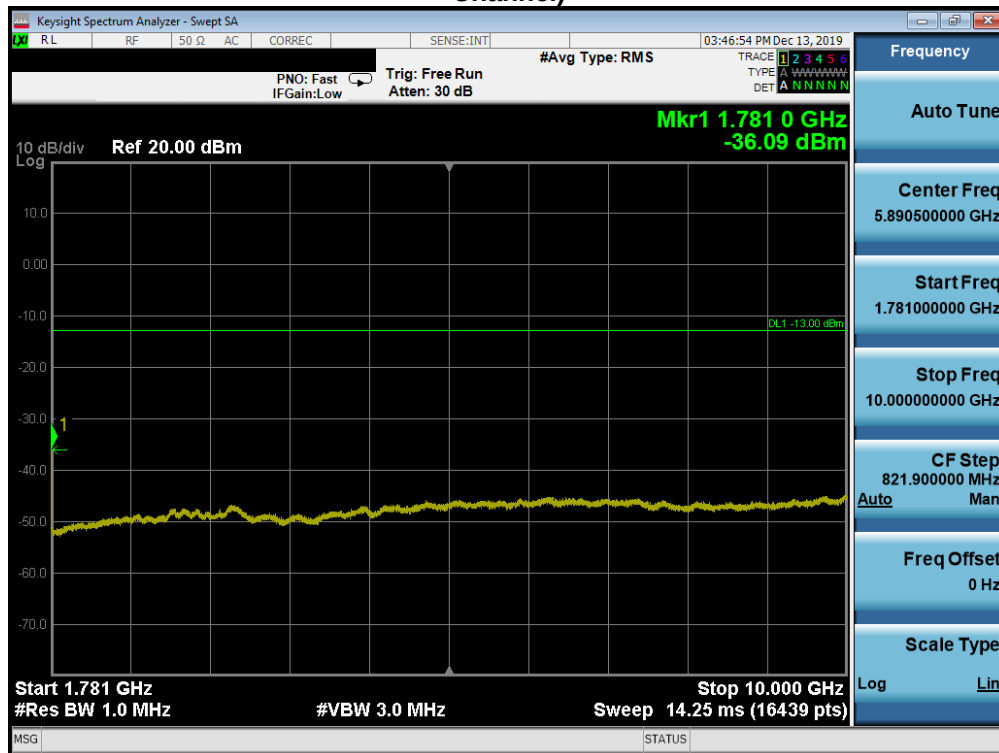
Plot 7-641. Conducted Spurious Plot (n71 - 5MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 403 of 488

NR Band n66

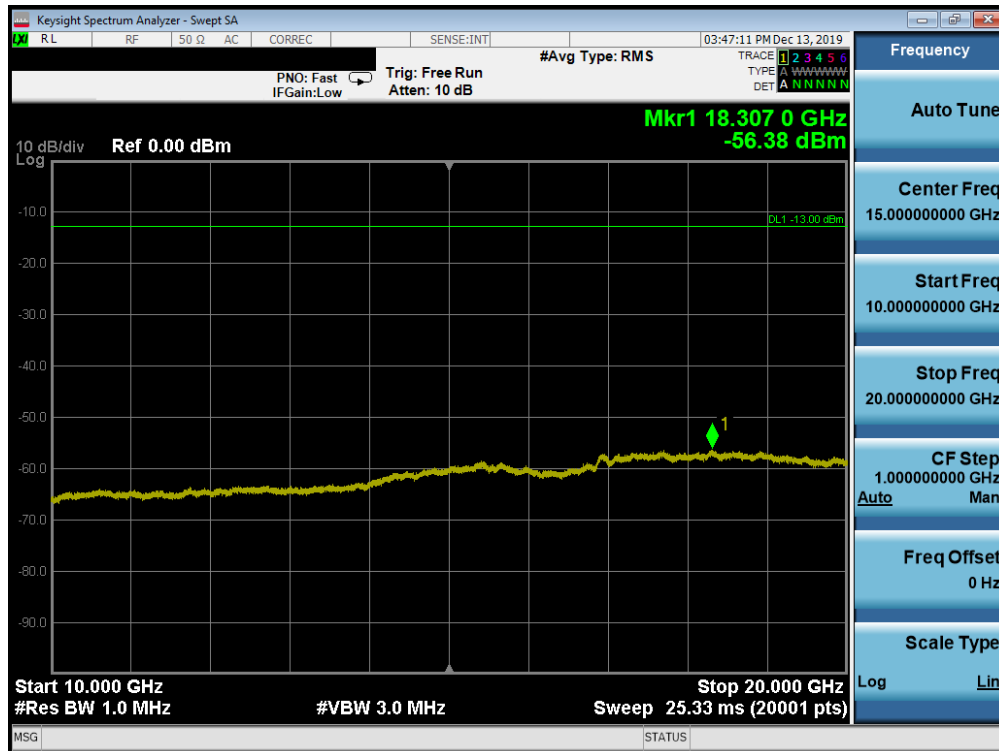


Plot 7-642. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

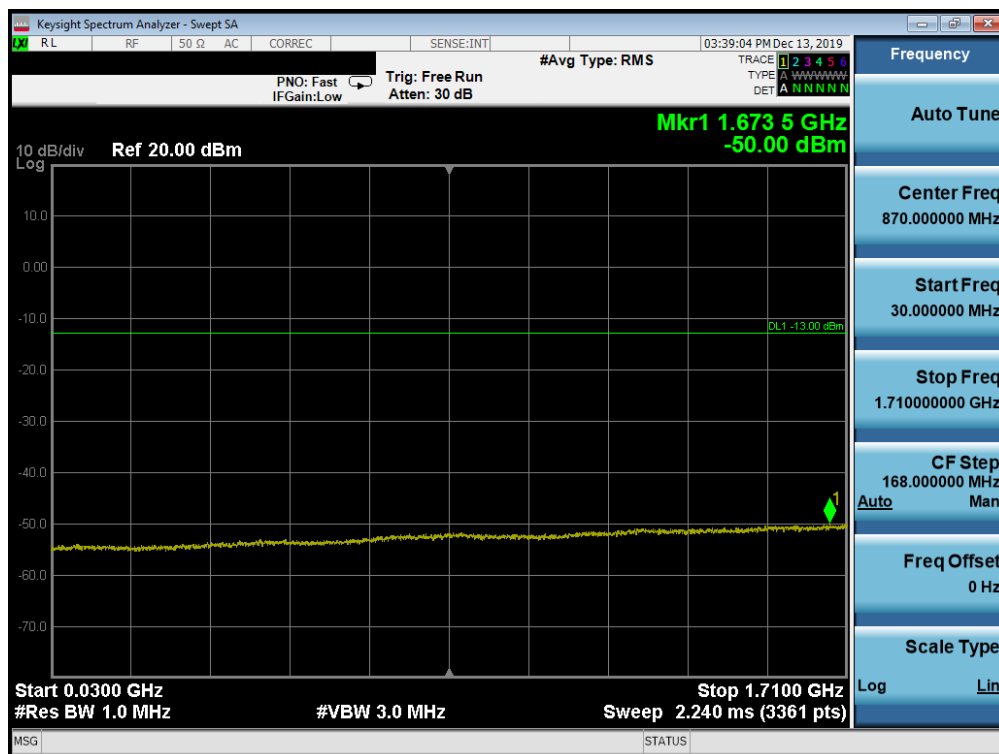


Plot 7-643. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 404 of 488

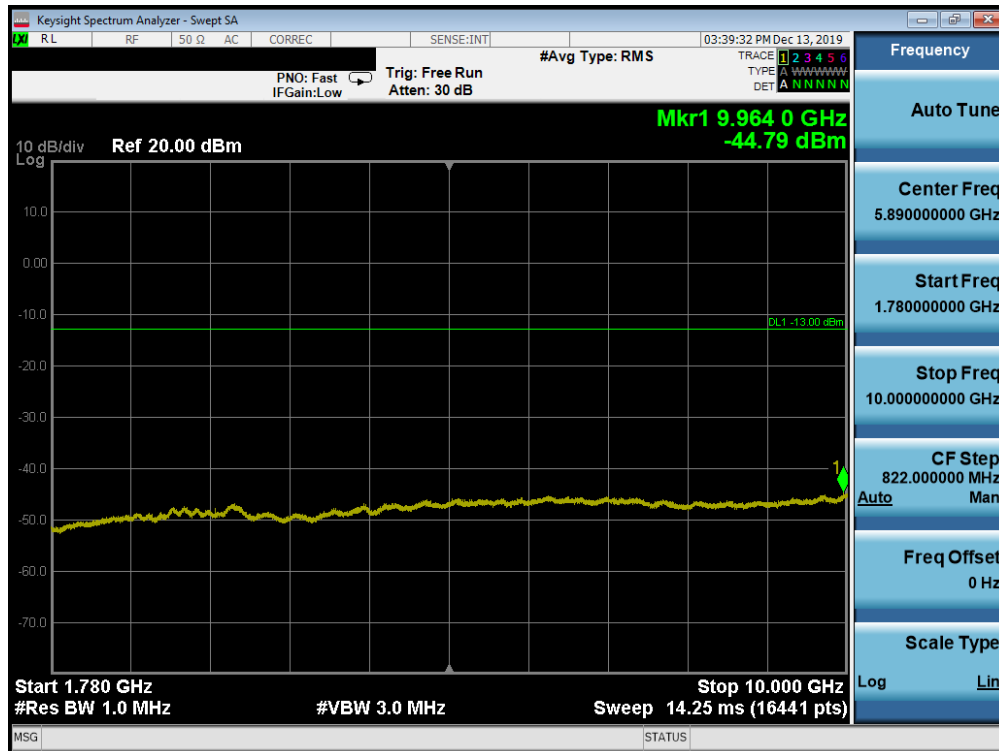


Plot 7-644. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

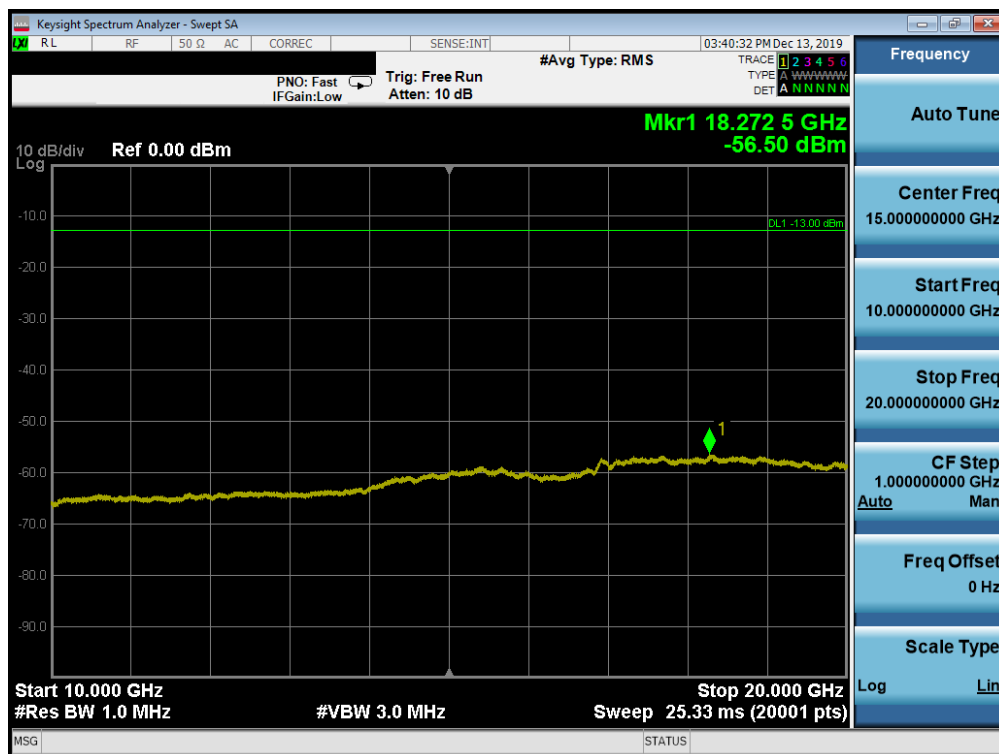


Plot 7-645. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 405 of 488

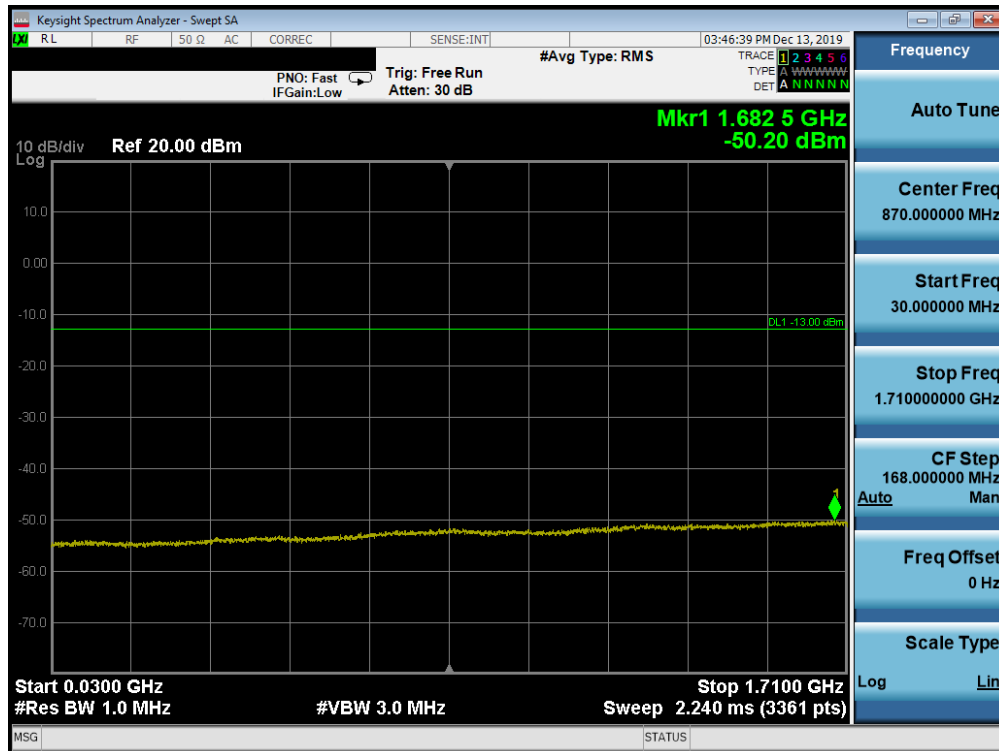


Plot 7-646. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

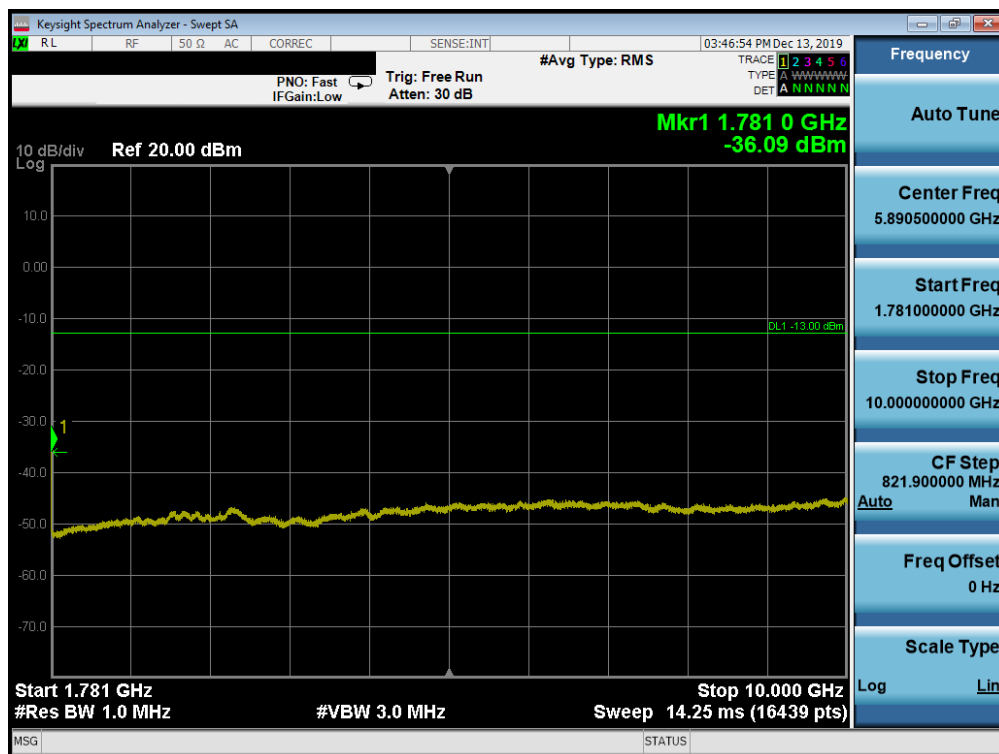


Plot 7-647. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 406 of 488

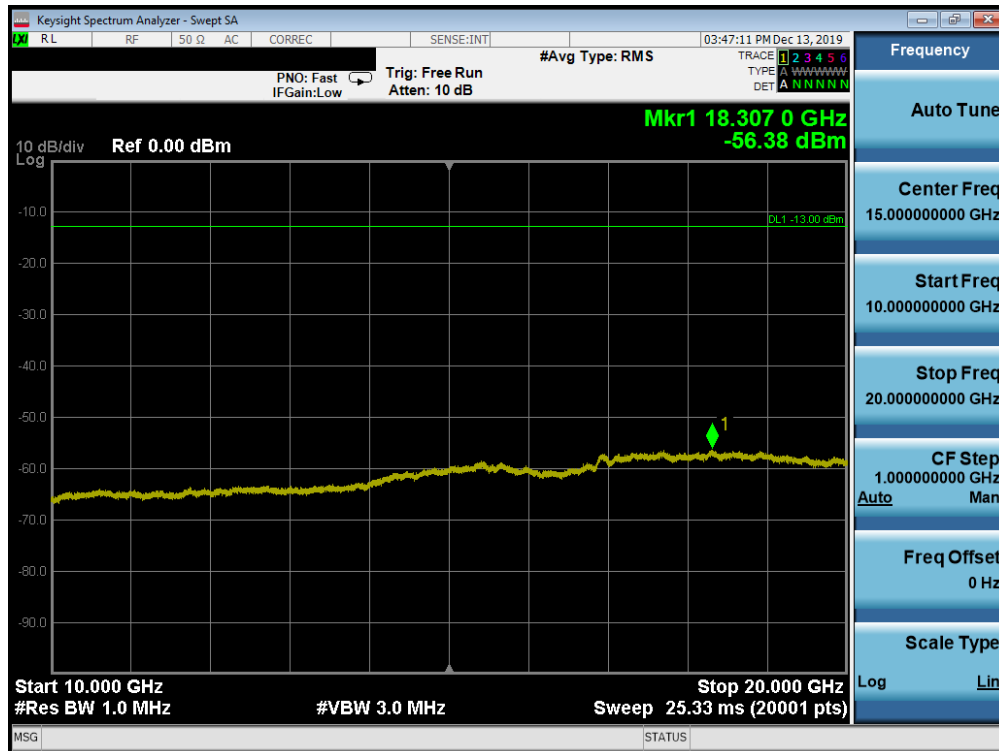


Plot 7-648. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



Plot 7-649. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

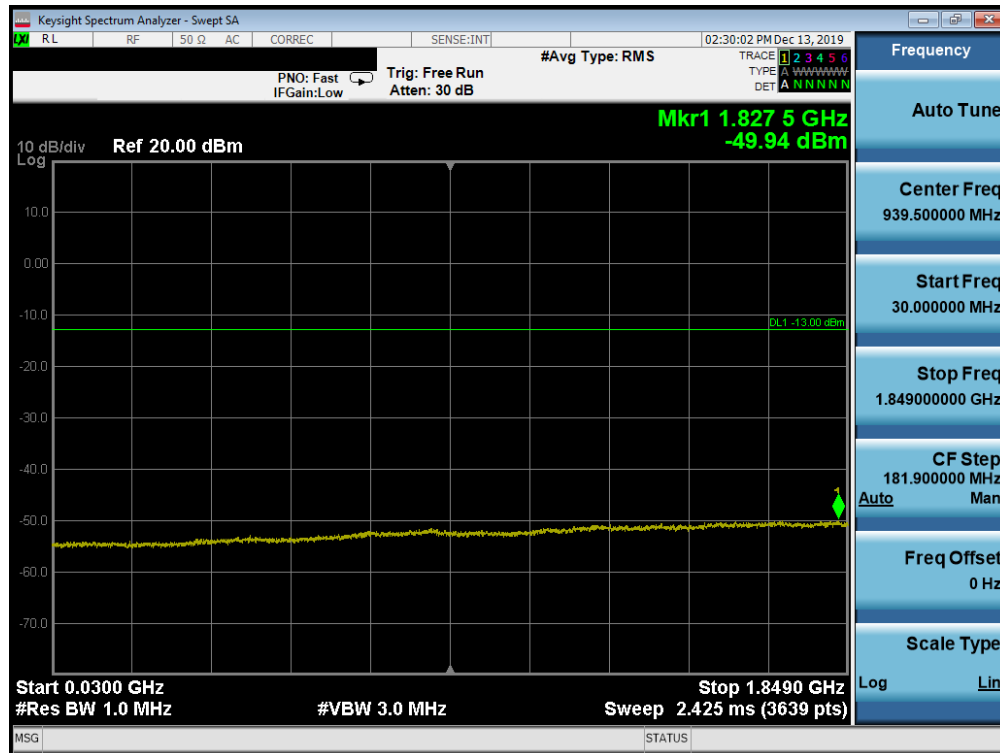
FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 407 of 488



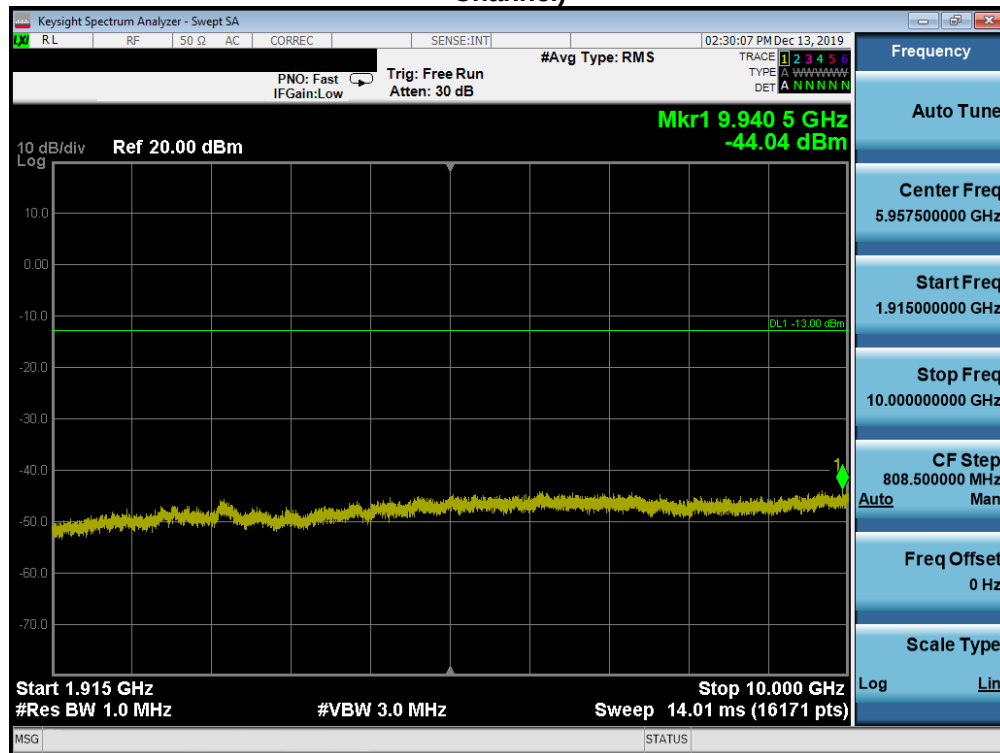
Plot 7-650. Conducted Spurious Plot (n66 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 408 of 488

NR Band n25/2

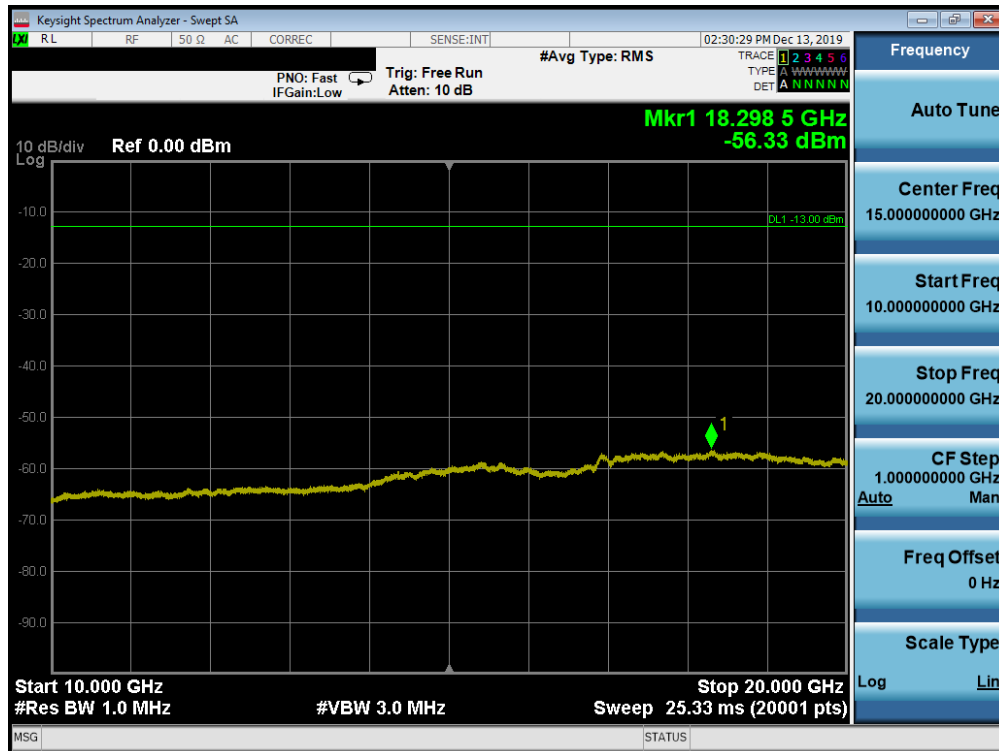


Plot 7-651. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

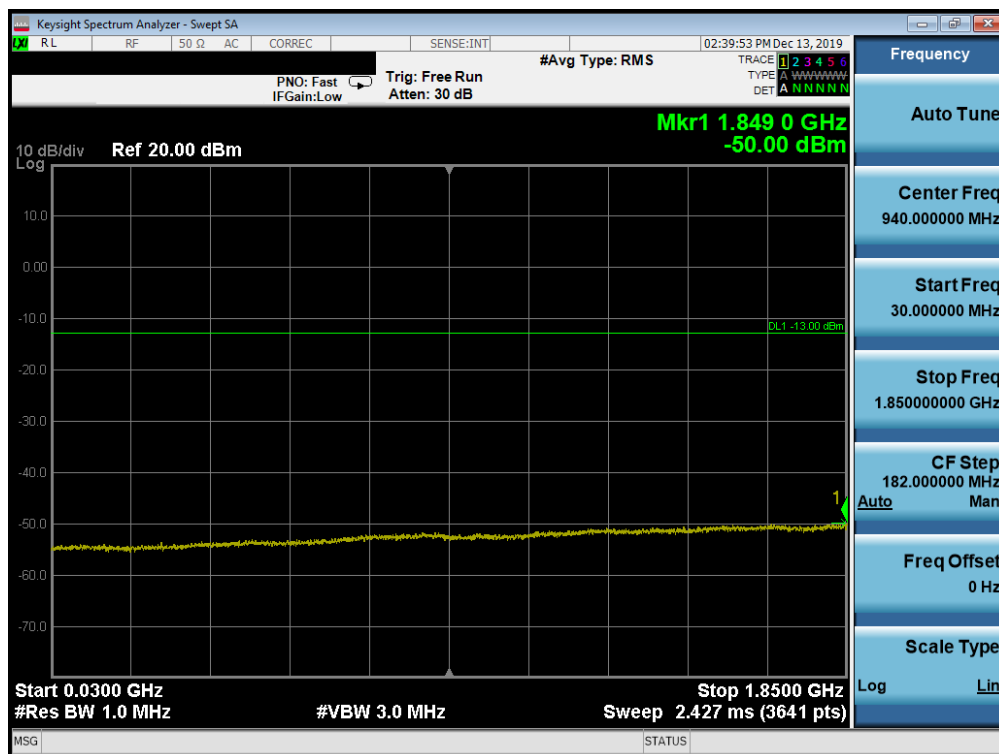


Plot 7-652. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 409 of 488

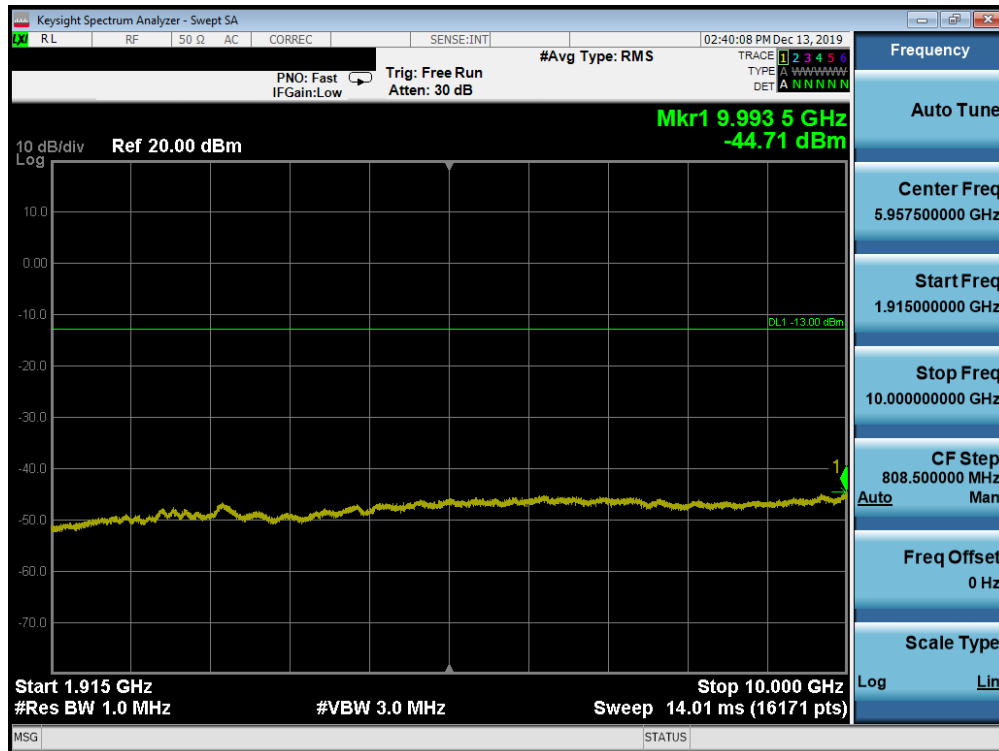


Plot 7-653. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

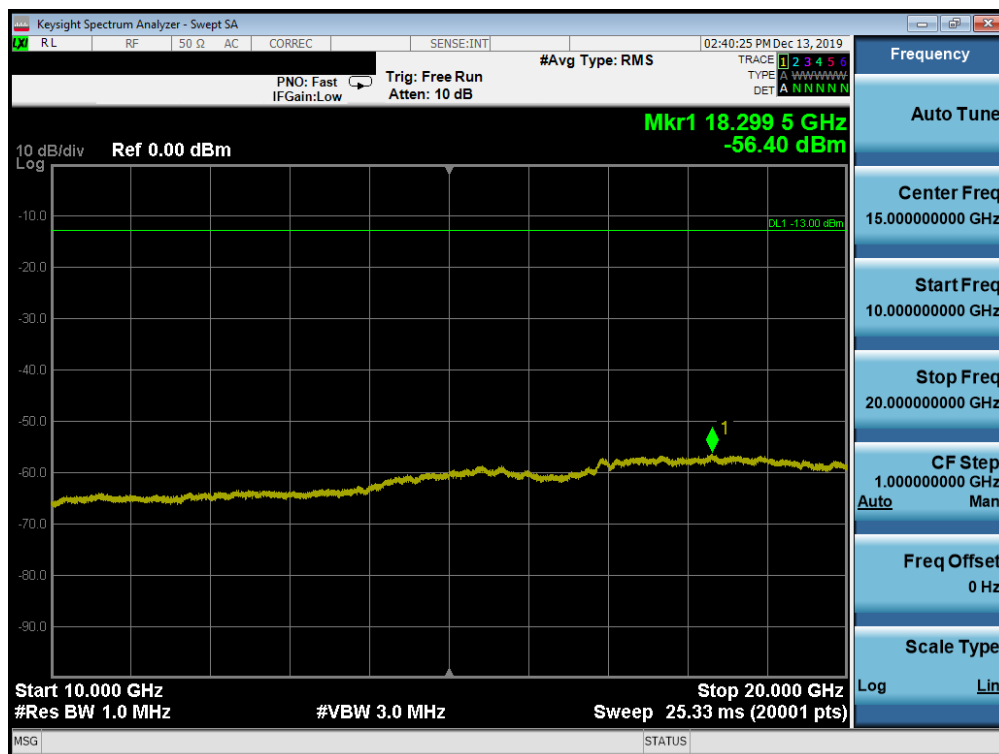


Plot 7-654. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 410 of 488	

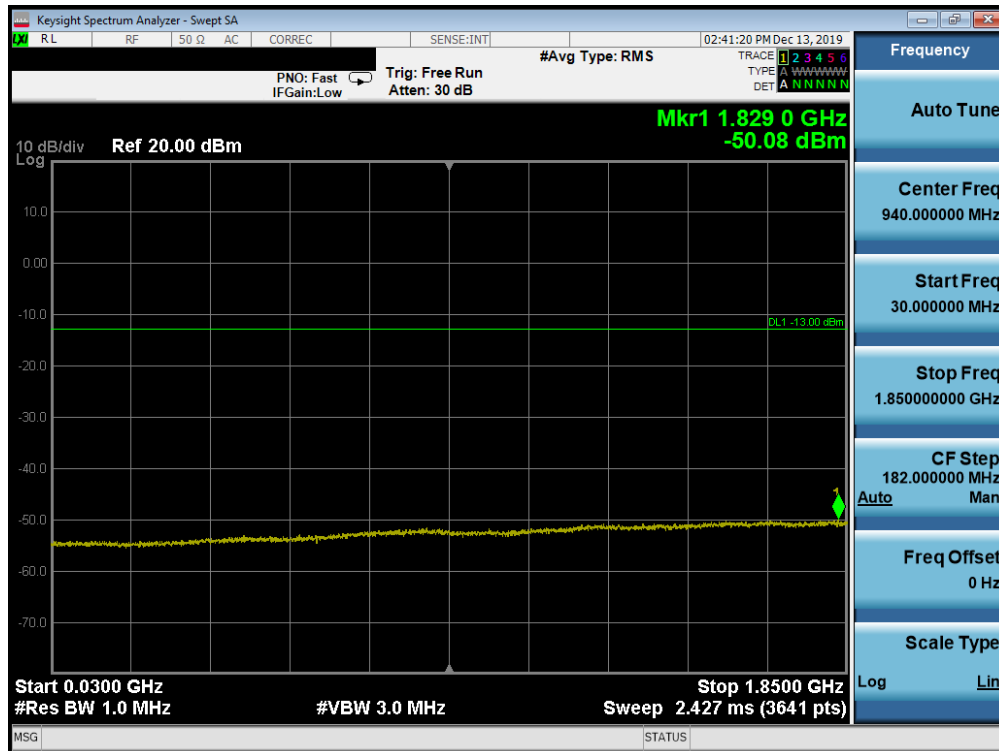


Plot 7-655. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

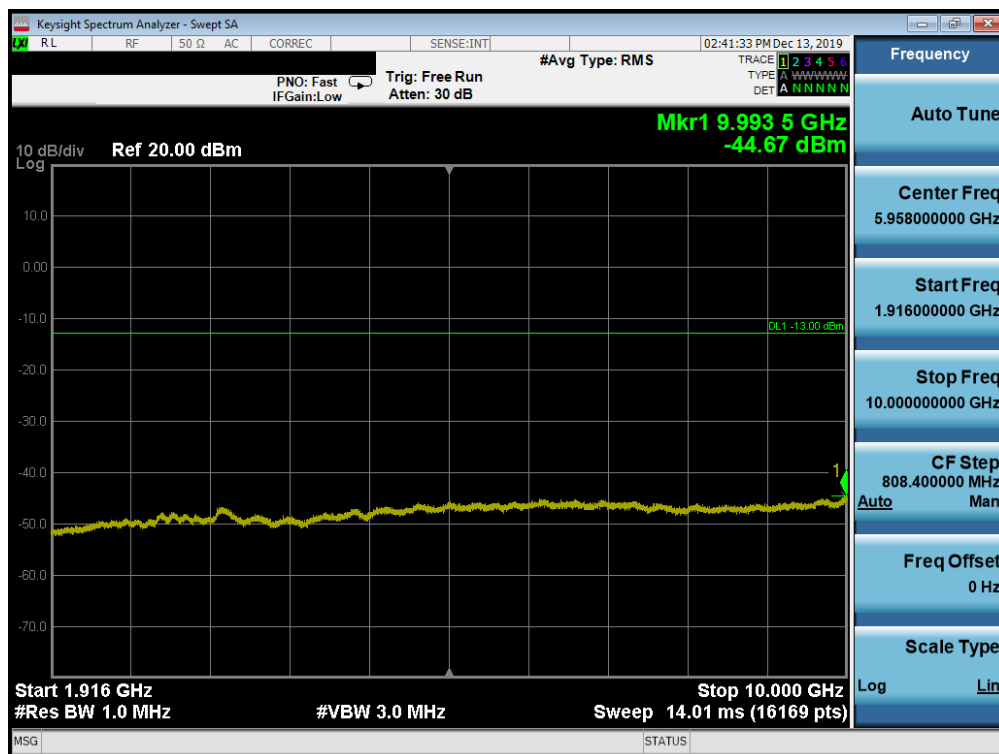


Plot 7-656. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 411 of 488

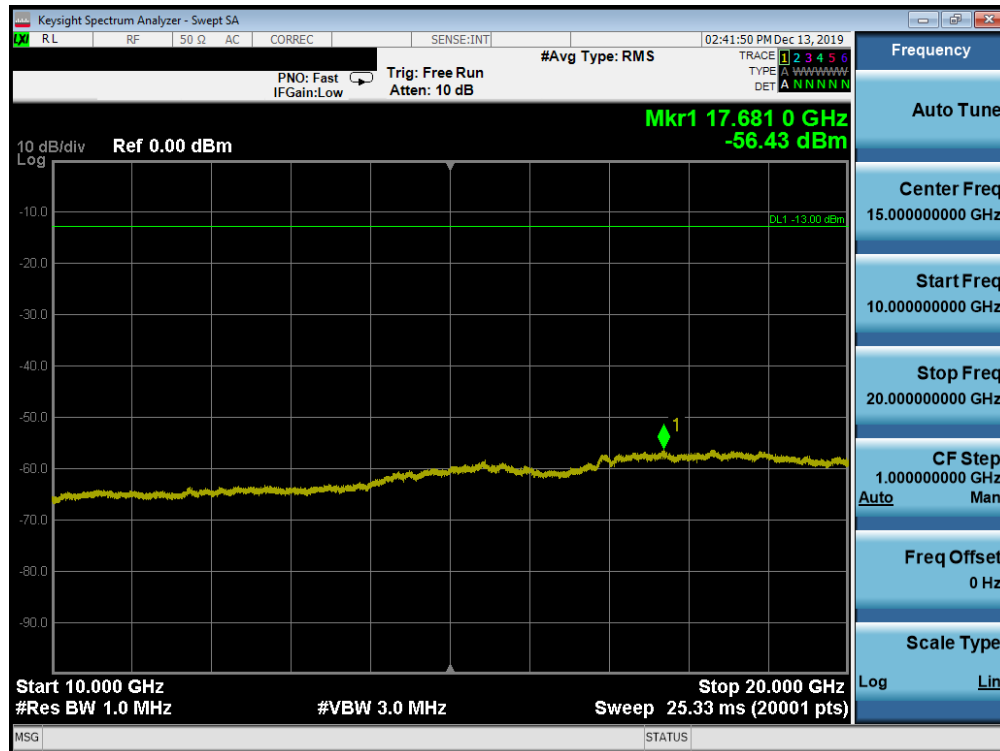


Plot 7-657. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



Plot 7-658. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

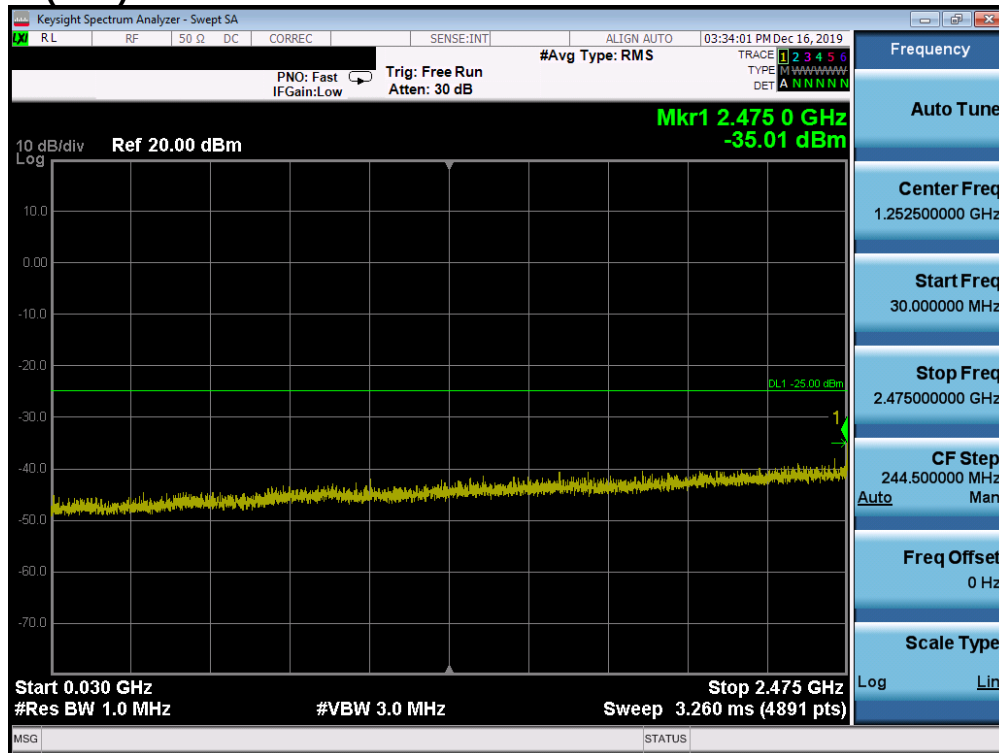
FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 412 of 488



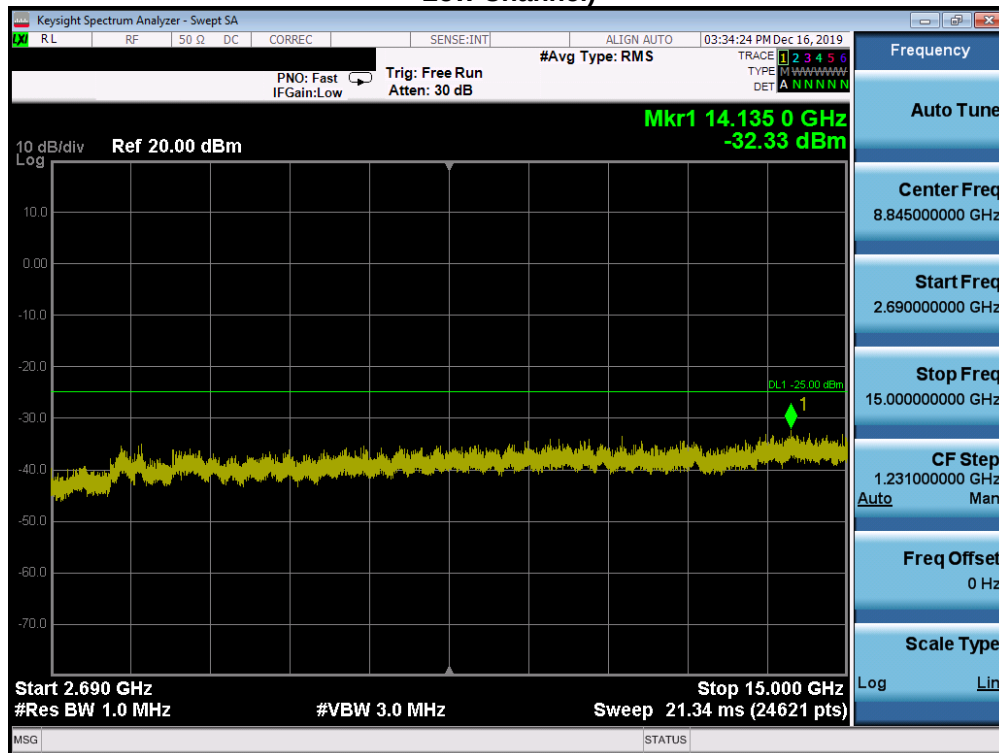
Plot 7-659. Conducted Spurious Plot (n25/2 - 20MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 413 of 488

NR Band n41 (PC2)

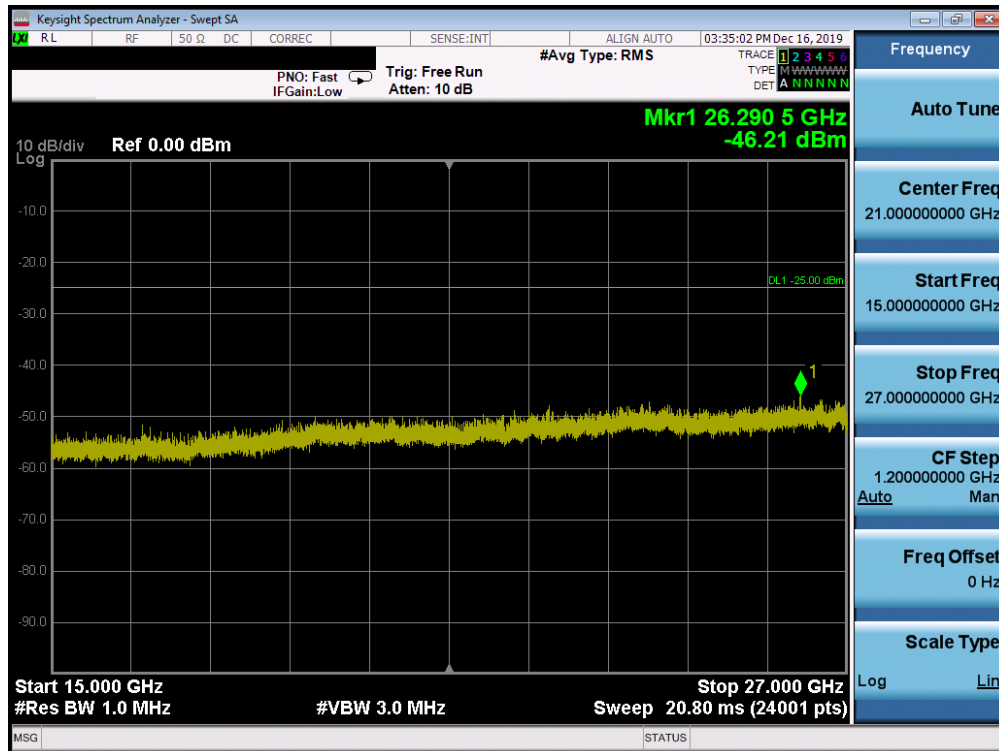


Plot 7-660. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

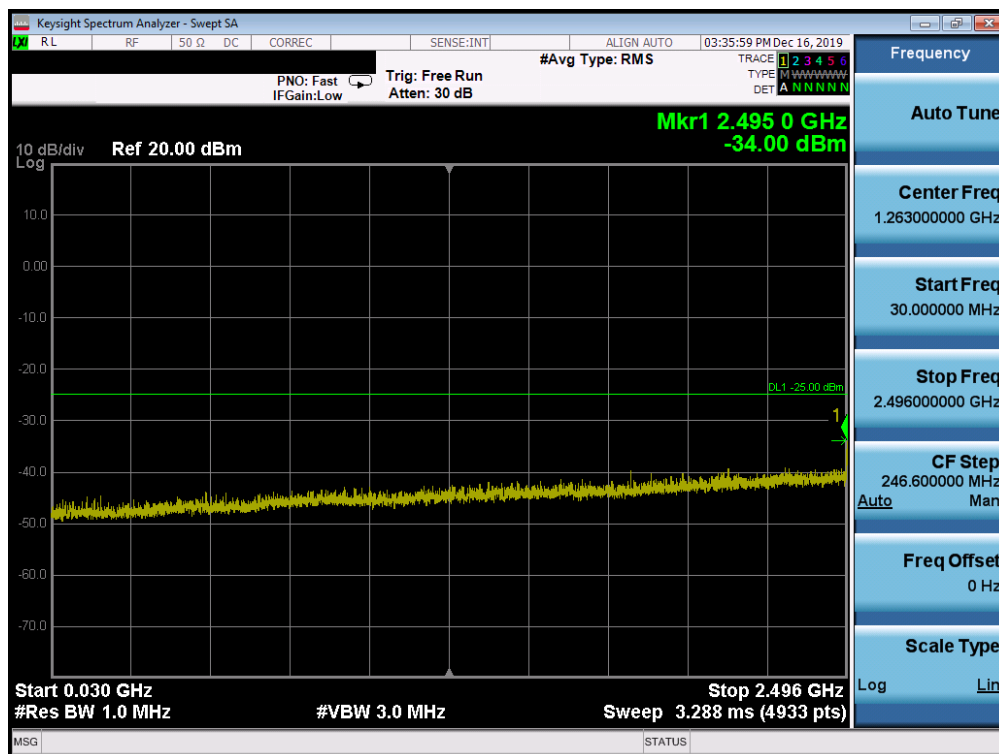


Plot 7-661. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 414 of 488

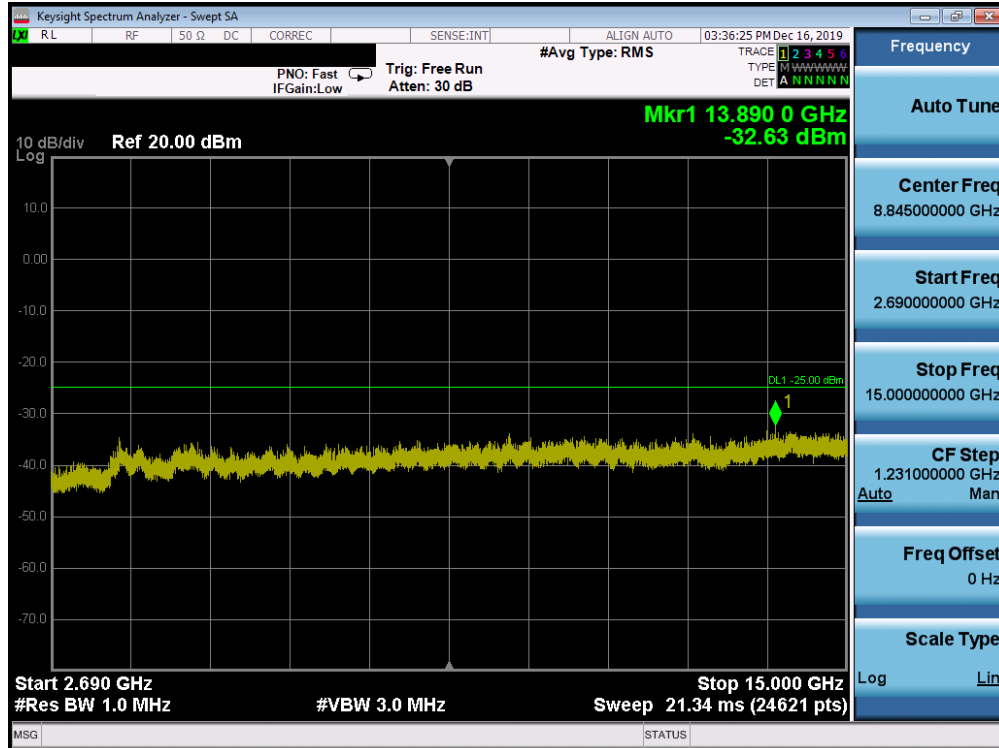


Plot 7-662. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Low Channel)

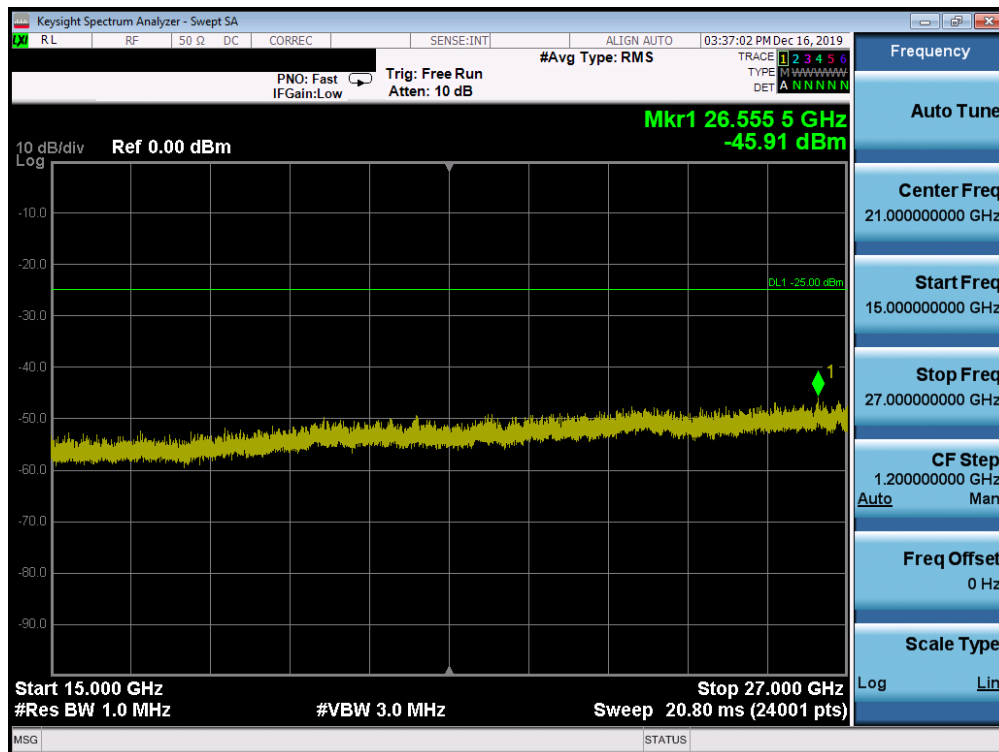


Plot 7-663. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 415 of 488

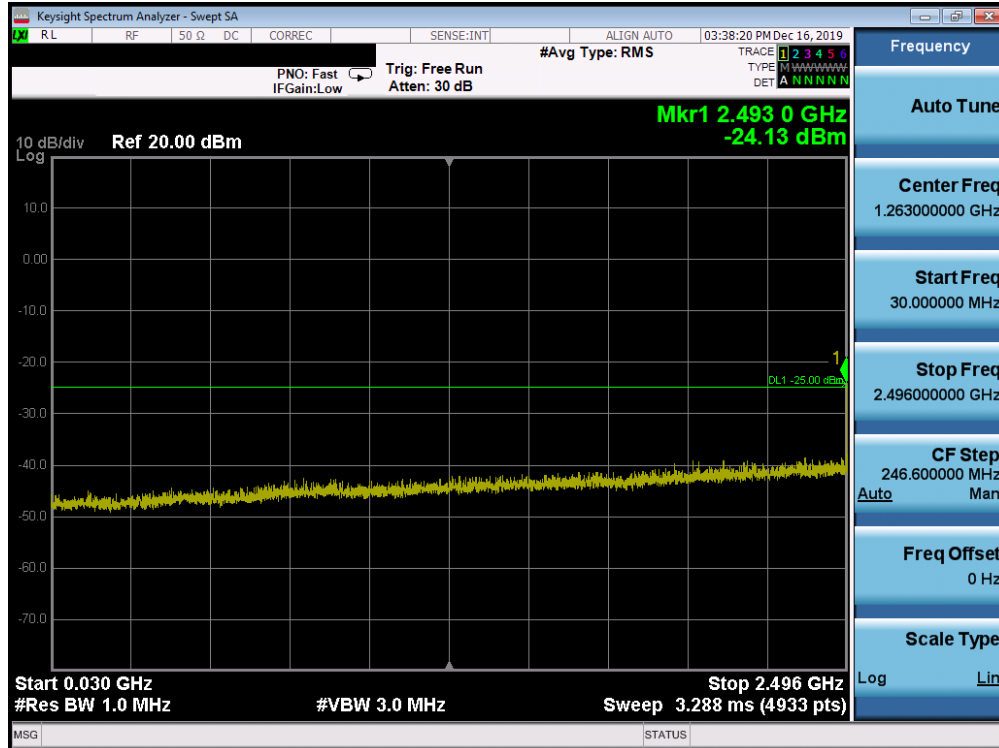


Plot 7-664. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

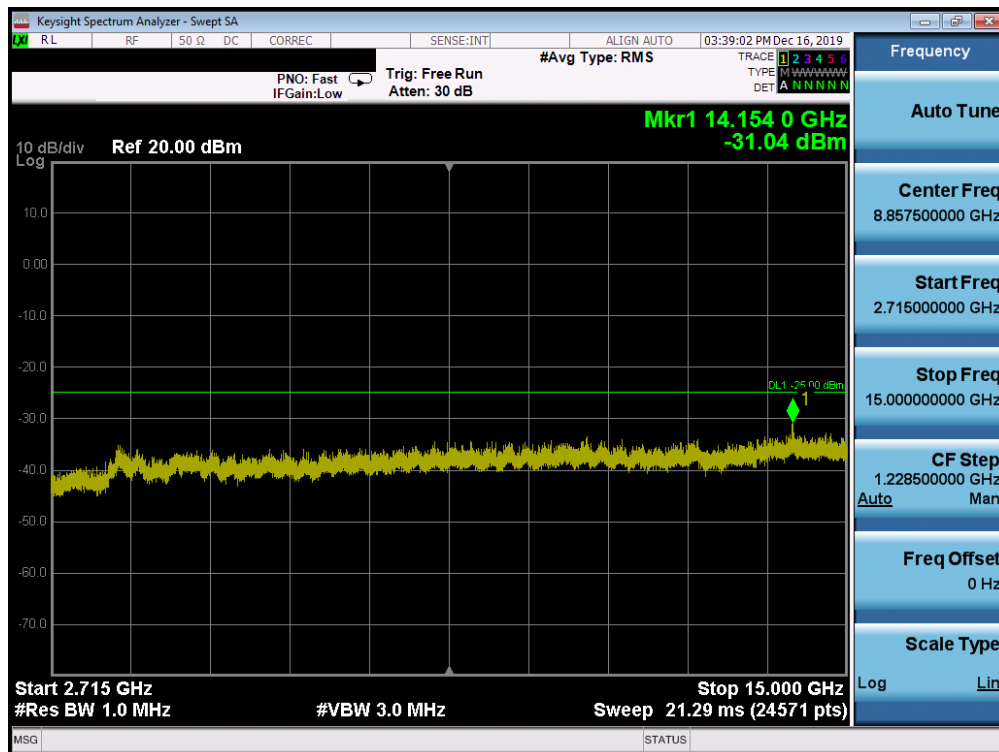


Plot 7-665. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - Mid Channel)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 416 of 488

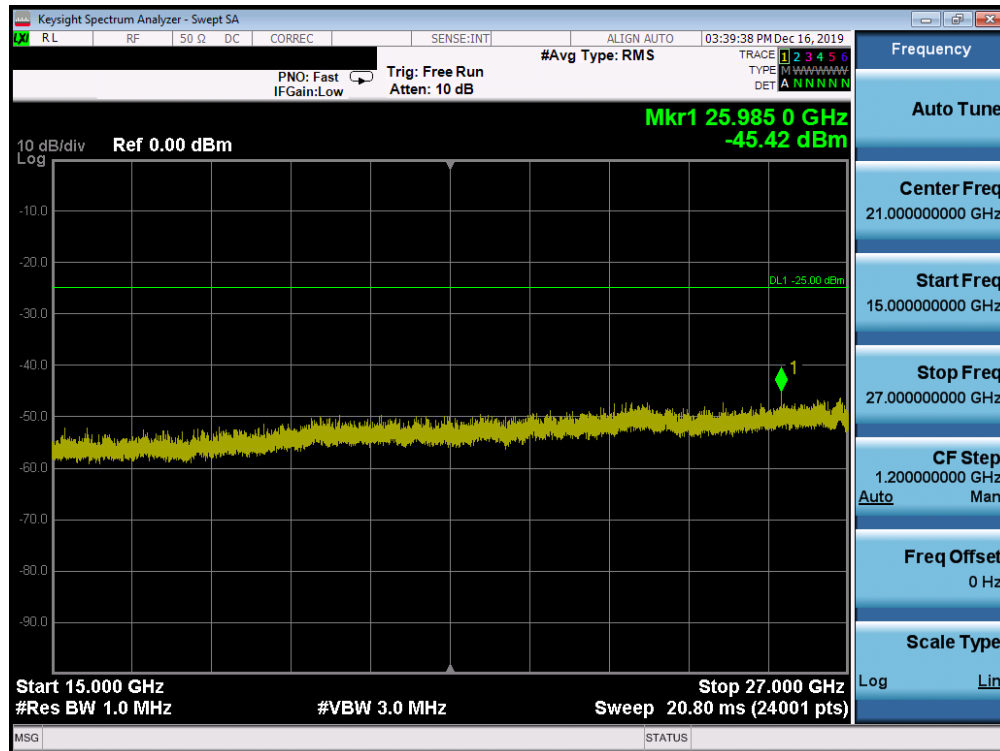


Plot 7-666. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High Channel)



Plot 7-667. Conducted Spurious Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 - High

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 417 of 488



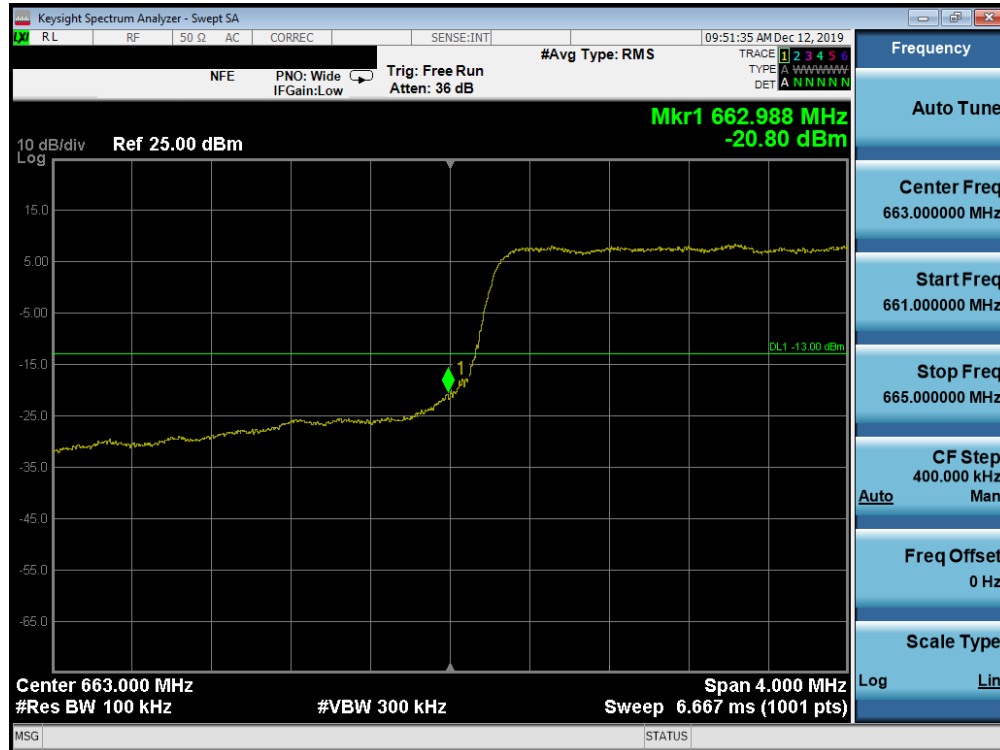
Plot 7-668. Conducted Spurious Plot (n41 (PC2)) - 100MHz DFT-s-OFDM-QPSK - RB Size 1, RB Offset 1 – High

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 418 of 488

Band Edge Emissions at the Antenna Terminal

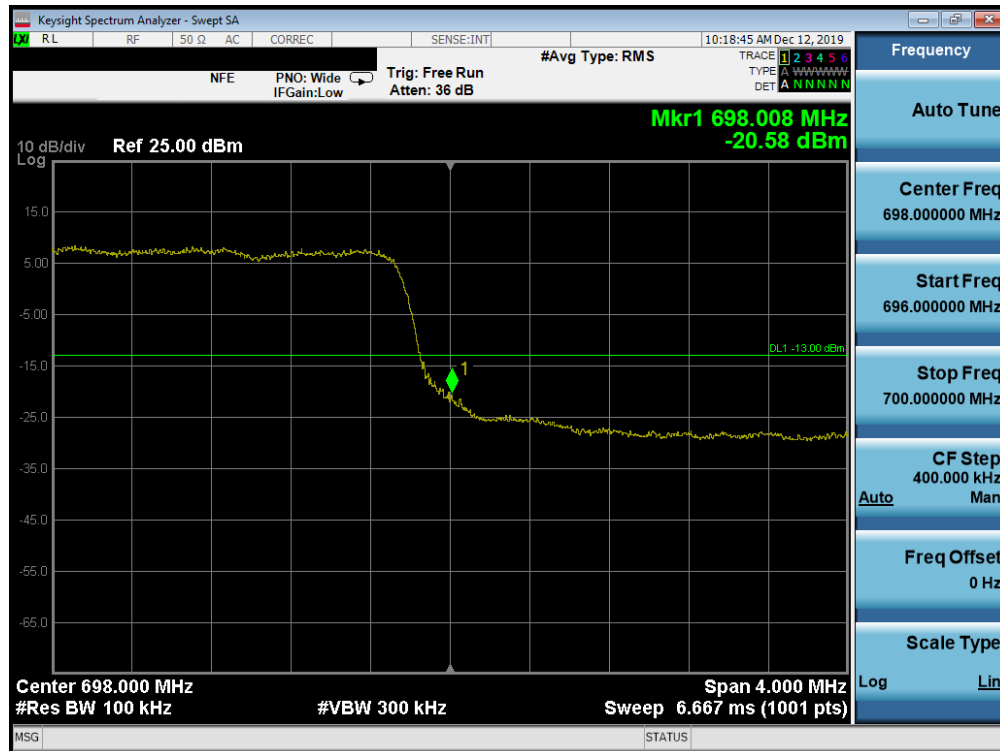
All SCS's and Waveforms (CP-OFDM vs DFT-s OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

NR Band n71

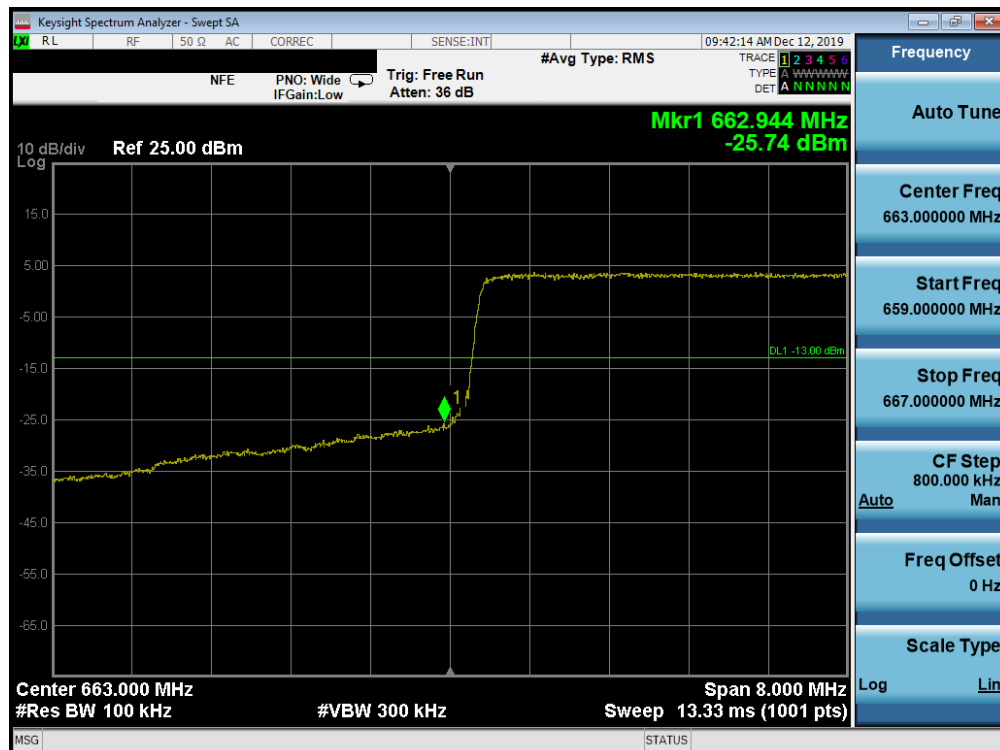


Plot 7-669. Lower Band Edge Plot (n71 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 419 of 488

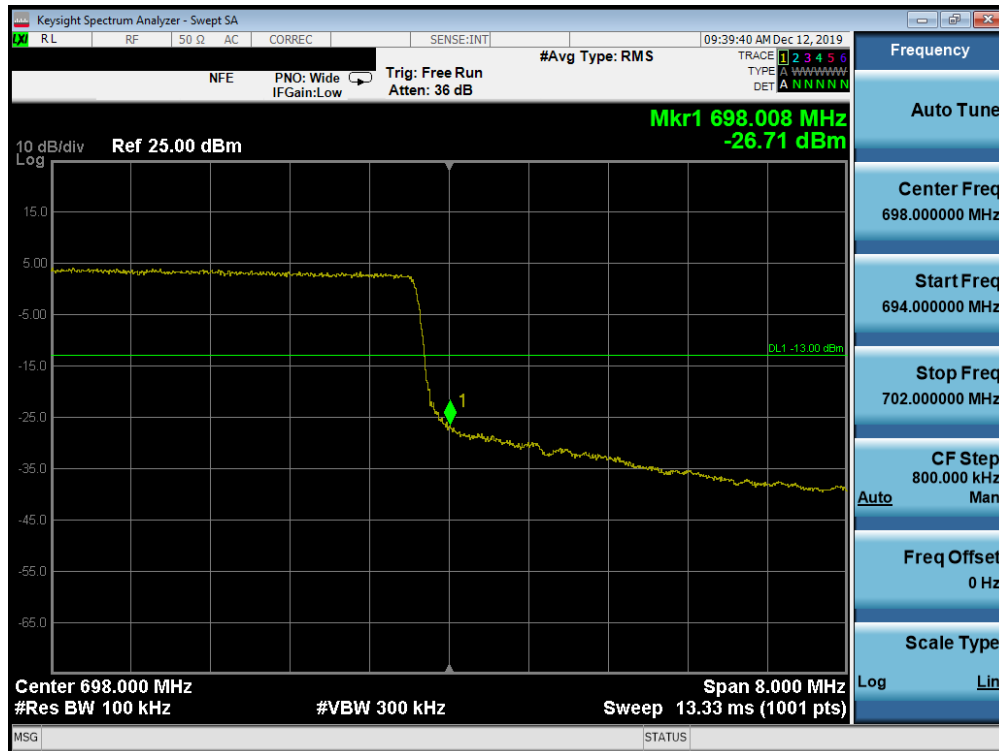


Plot 7-670. Upper Band Edge Plot (n71 - 5MHz DFT-s-OFDM-QPSK - Full RB Configuration)

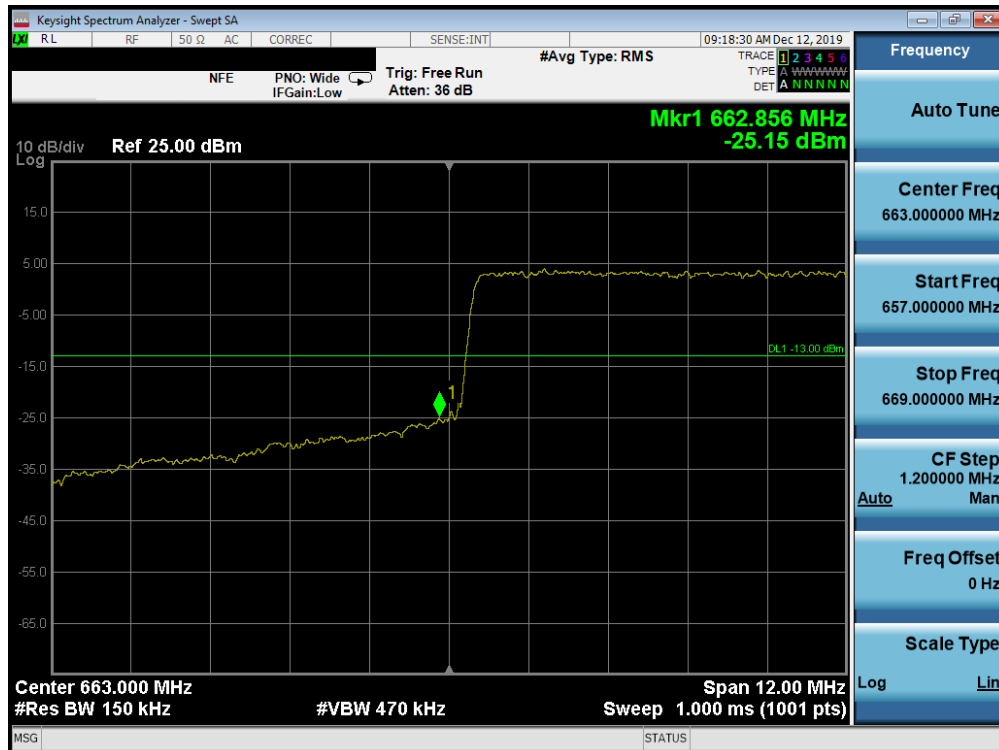


Plot 7-671. Lower Band Edge Plot (n71 - 10MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 420 of 488



Plot 7-672. Upper Band Edge Plot (n71 - 10MHz CP-OFDM-QPSK - Full RB Configuration)

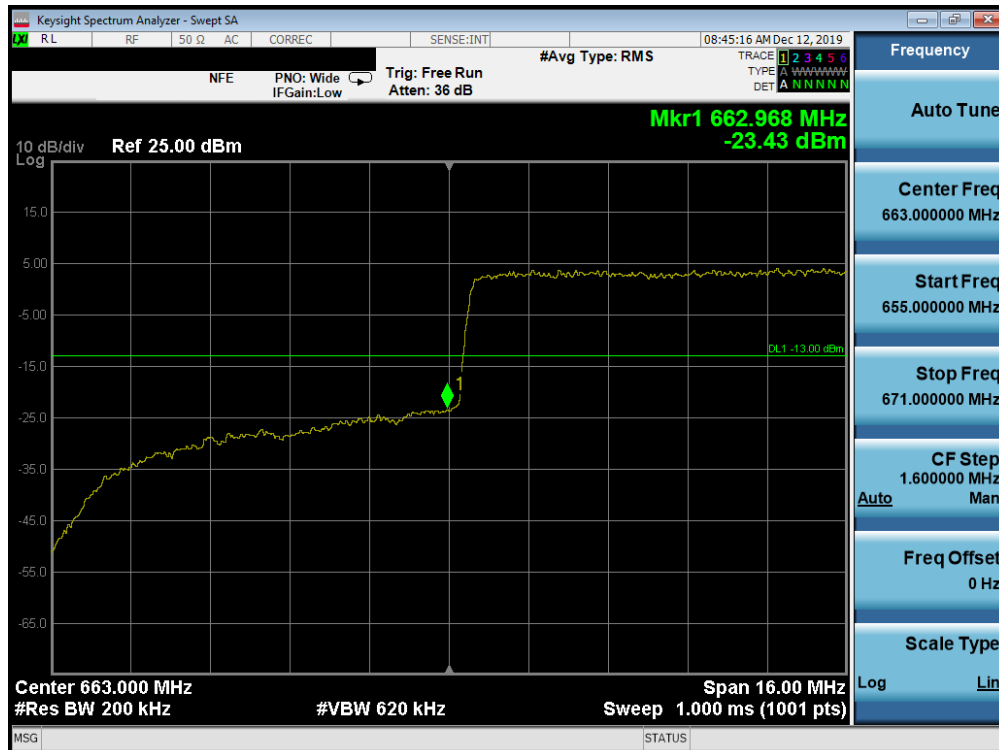


Plot 7-673. Lower Band Edge Plot (n71 - 15MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 421 of 488



Plot 7-674. Upper Band Edge Plot (n71 - 15MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-675. Lower Band Edge Plot (n71 - 20MHz CP-OFDM-QPSK - Full RB Configuration)

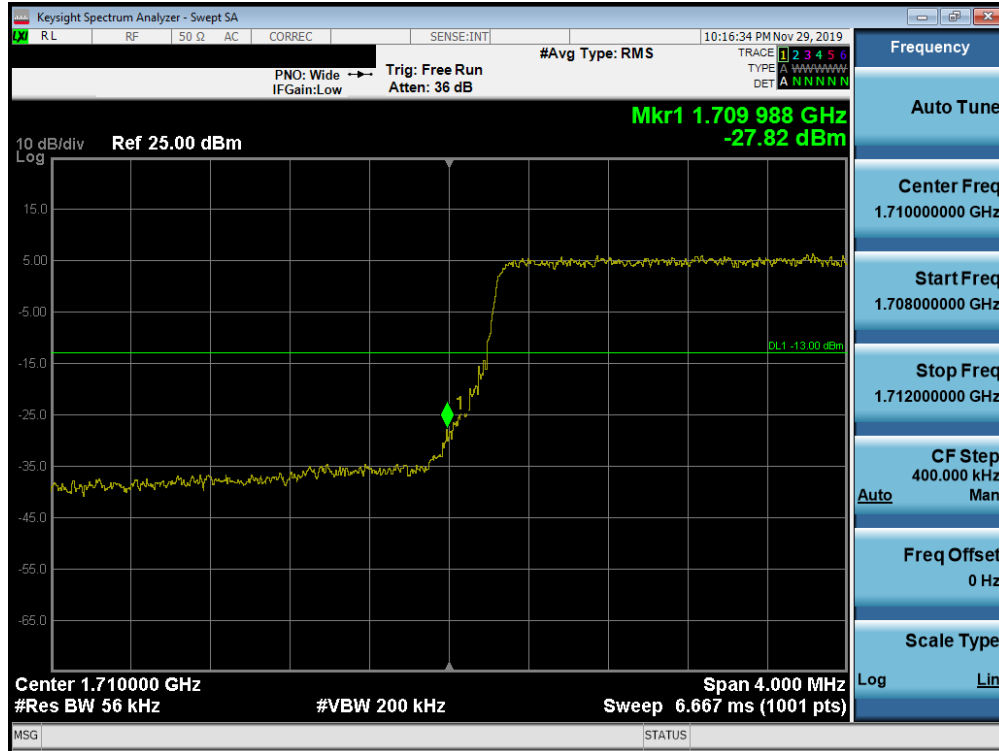
FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 422 of 488



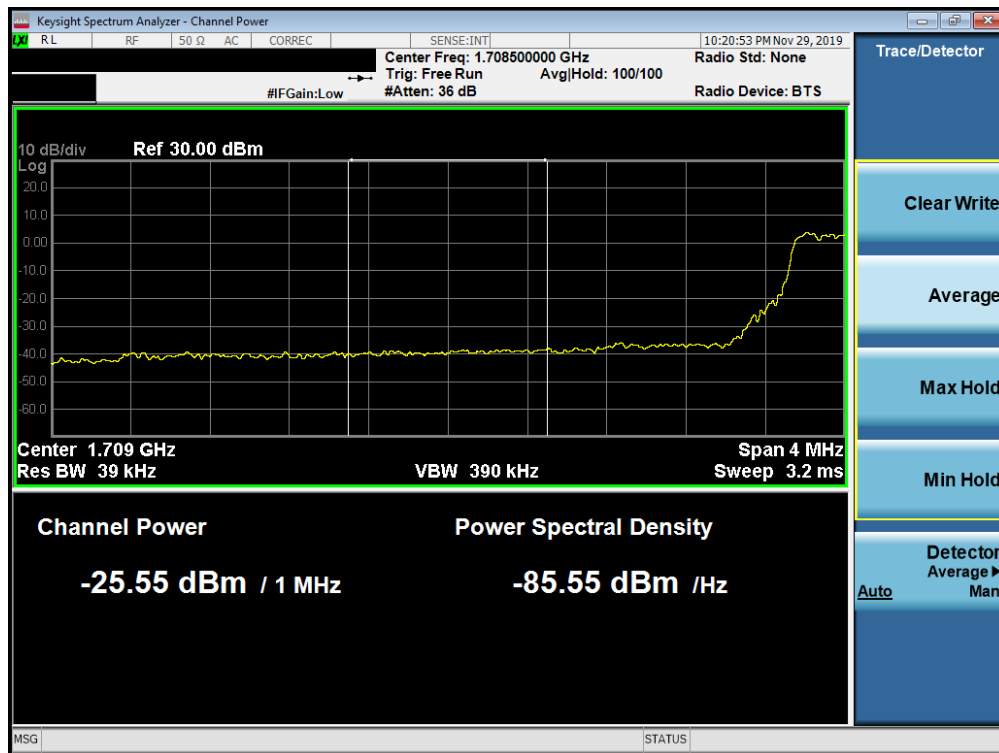
Plot 7-676. Upper Band Edge Plot (n71- 20MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 423 of 488	

NR Band n66

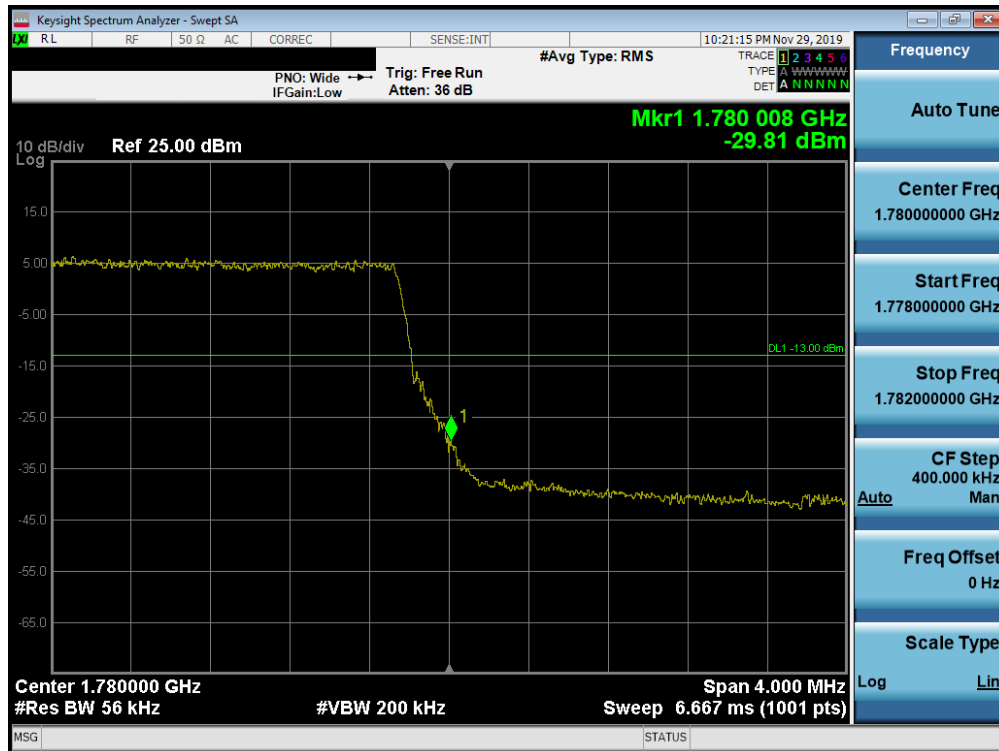


Plot 7-677. Lower Band Edge Plot (Band n66 - 5.0MHz CP-OFDM- CP-OFDM-QPSK - Full RB Configuration)

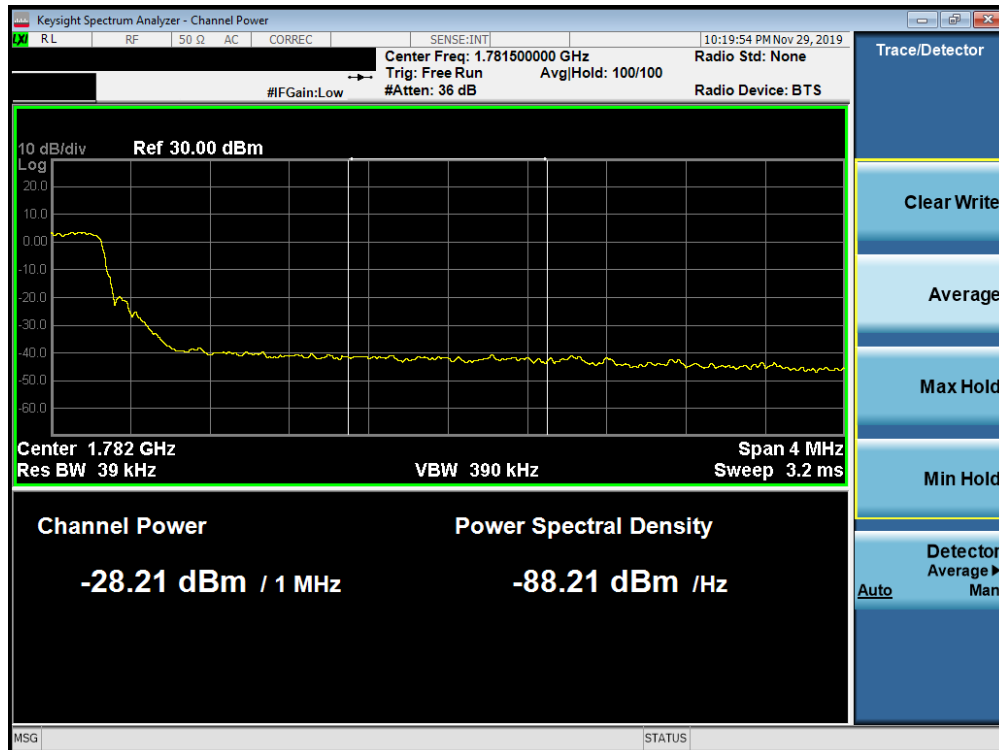


Plot 7-678. Lower Extended Band Edge Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 424 of 488

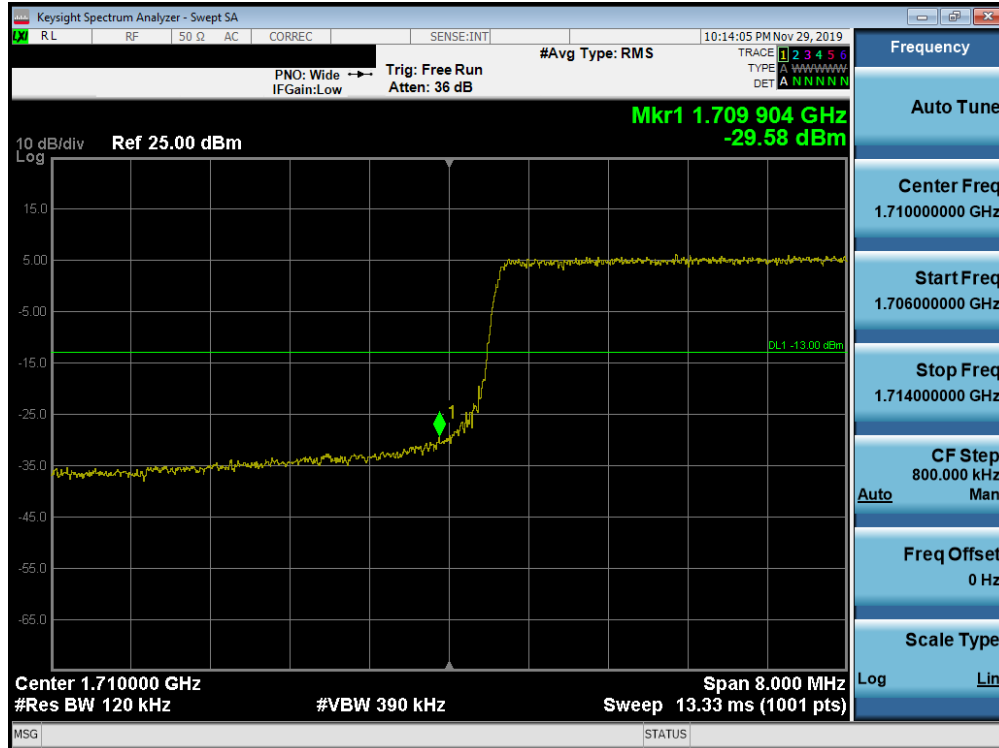


Plot 7-679. Upper Band Edge Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

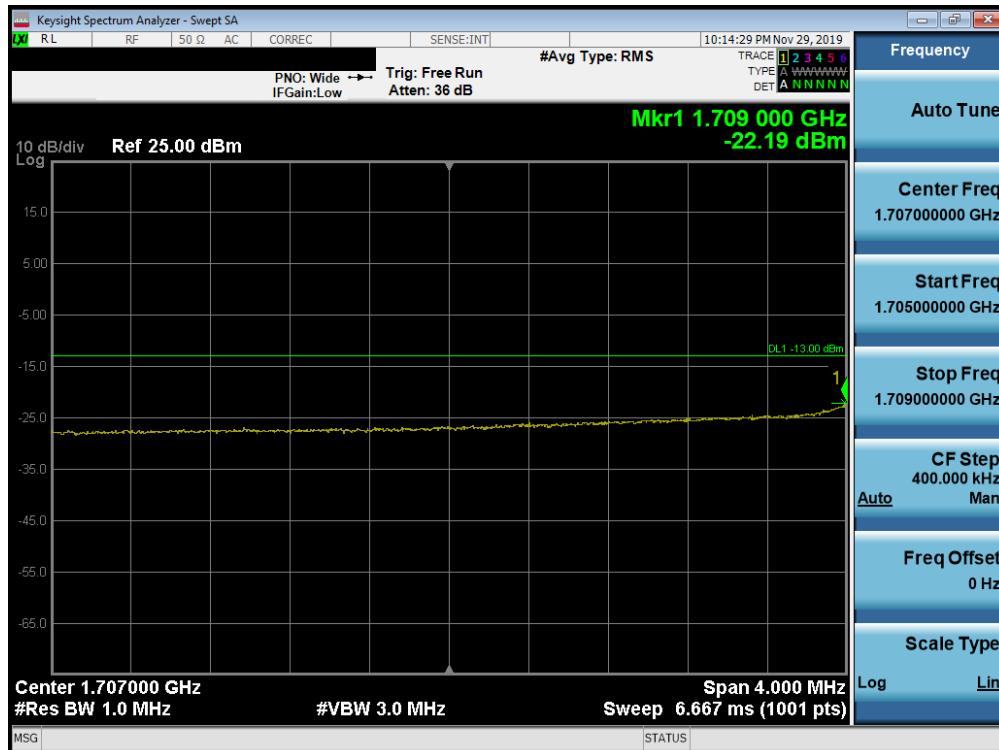


Plot 7-680. Upper Extended Band Edge Plot (Band n66 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 425 of 488

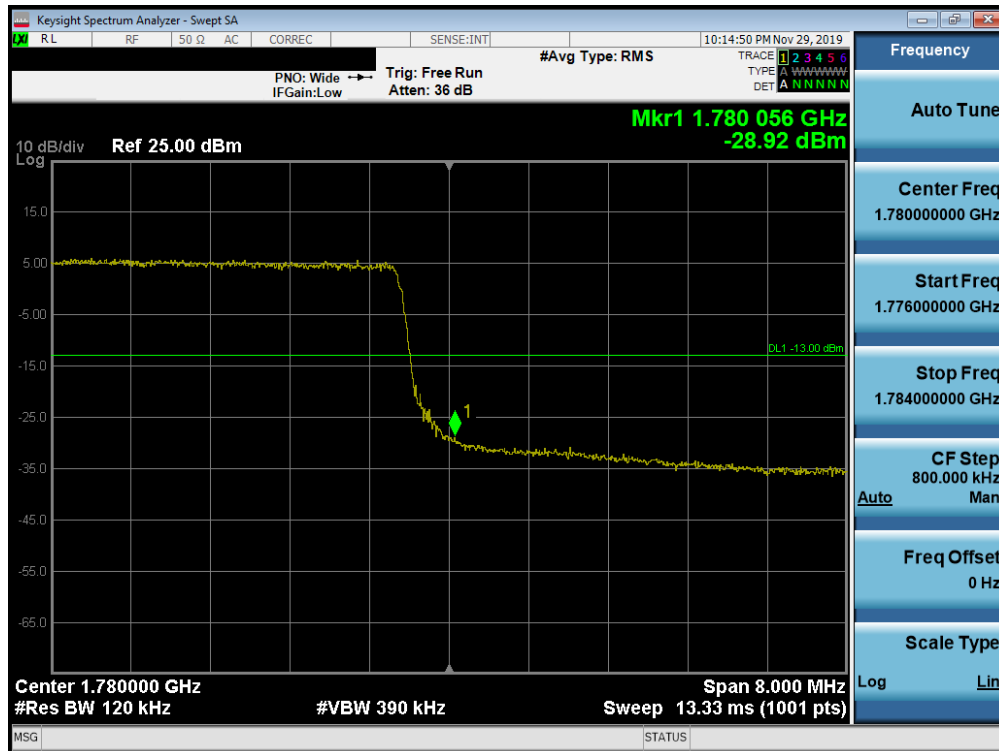


Plot 7-681. Lower Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

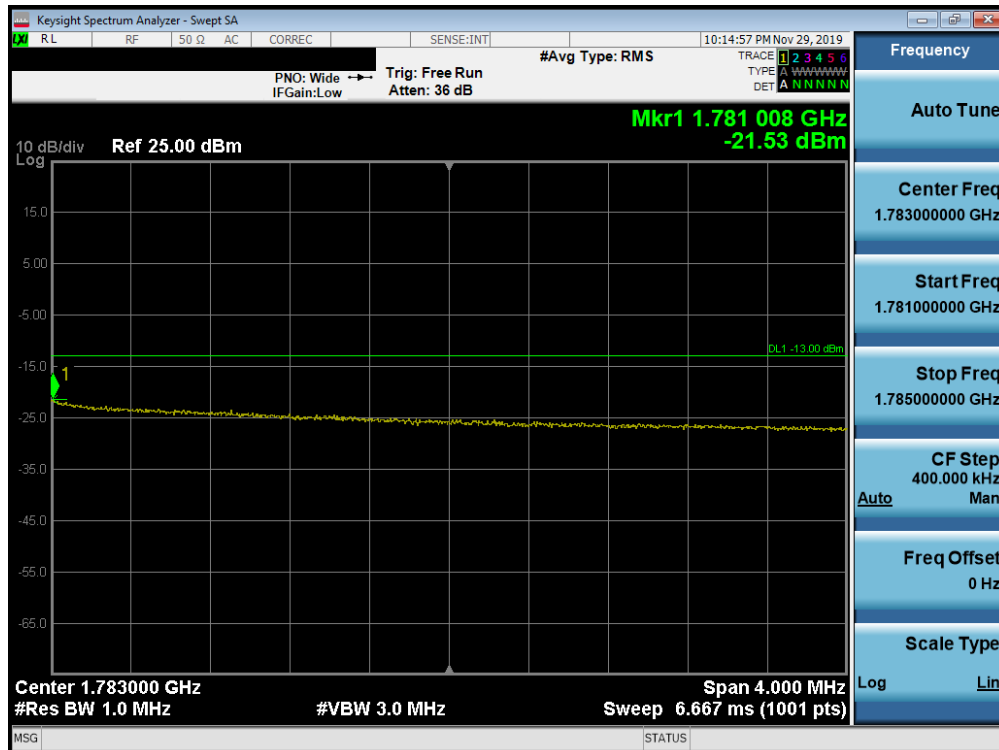


Plot 7-682. Lower Extended Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 426 of 488

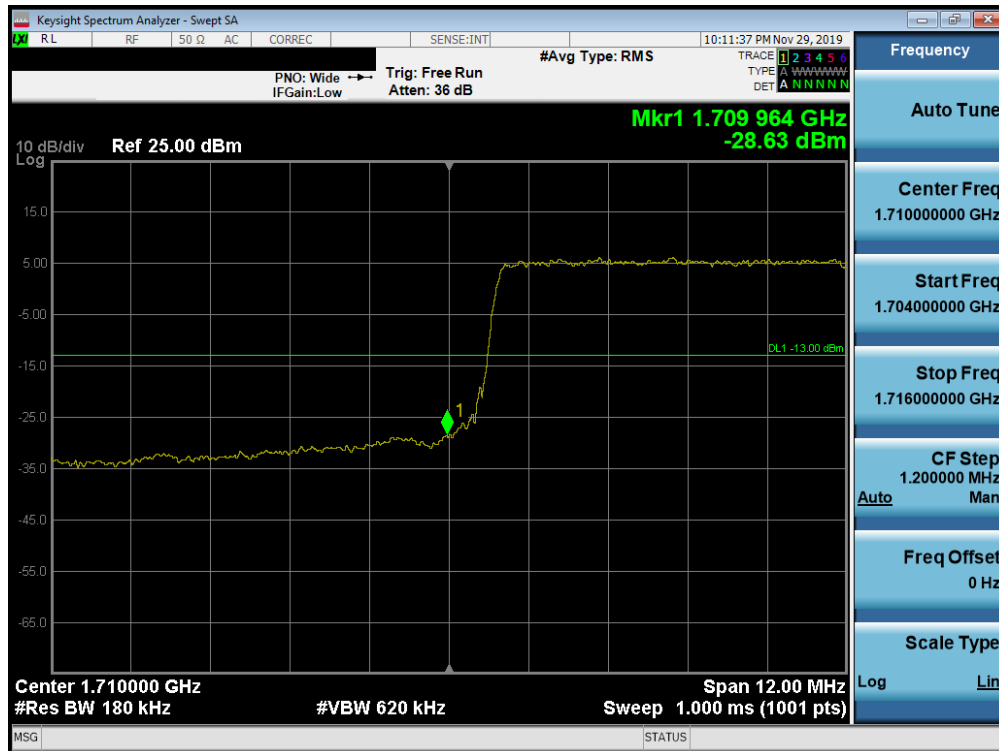


Plot 7-683. Upper Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

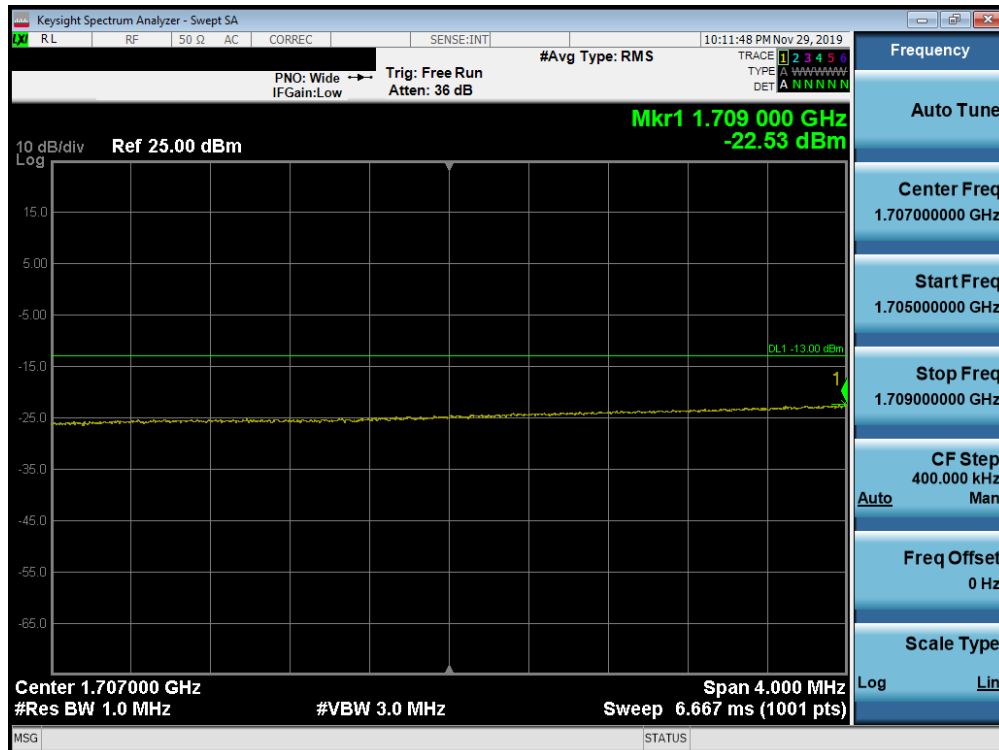


Plot 7-684. Upper Extended Band Edge Plot (Band n66 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 427 of 488

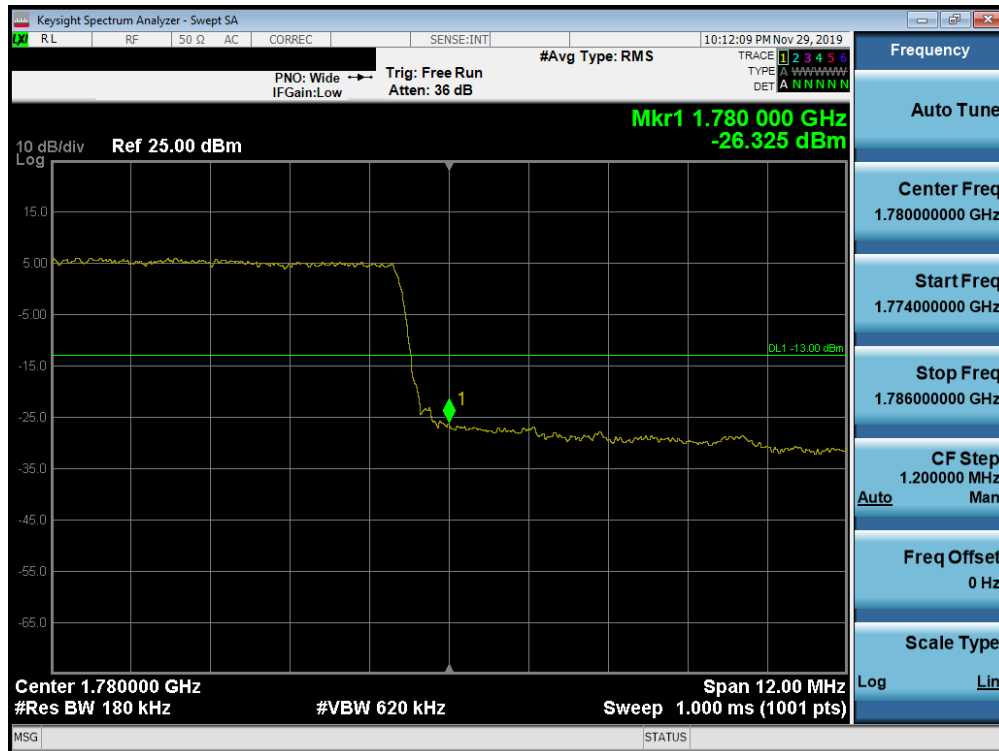


Plot 7-685. Lower Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

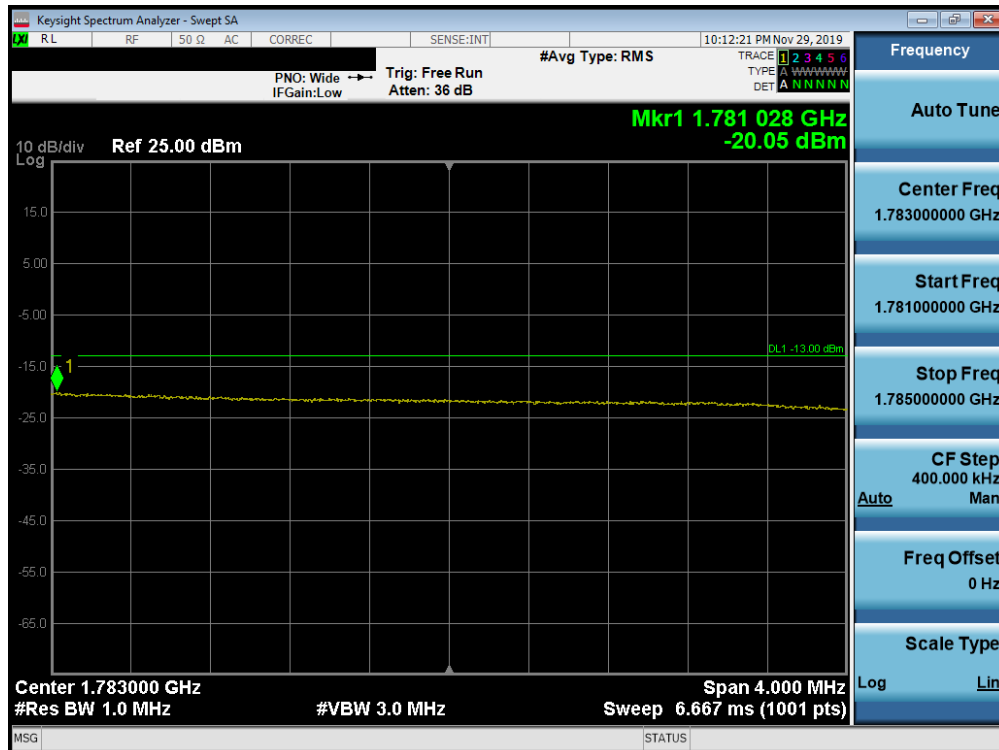


Plot 7-686. Lower Extended Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 428 of 488

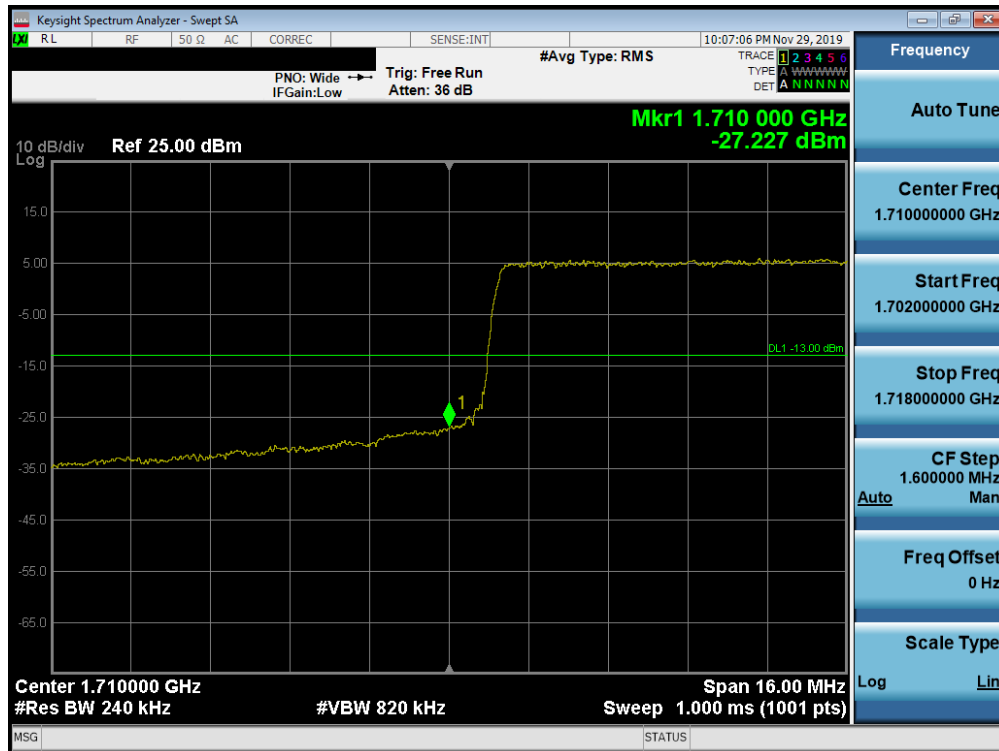


Plot 7-687. Upper Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

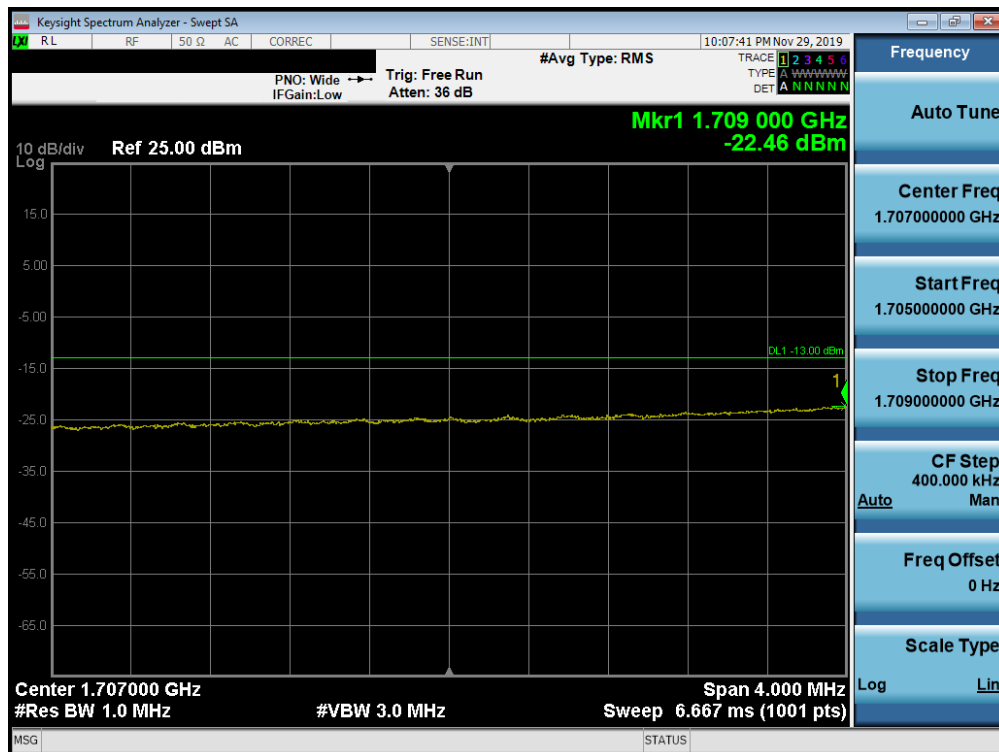


Plot 7-688. Upper Extended Band Edge Plot (Band n66 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 429 of 488

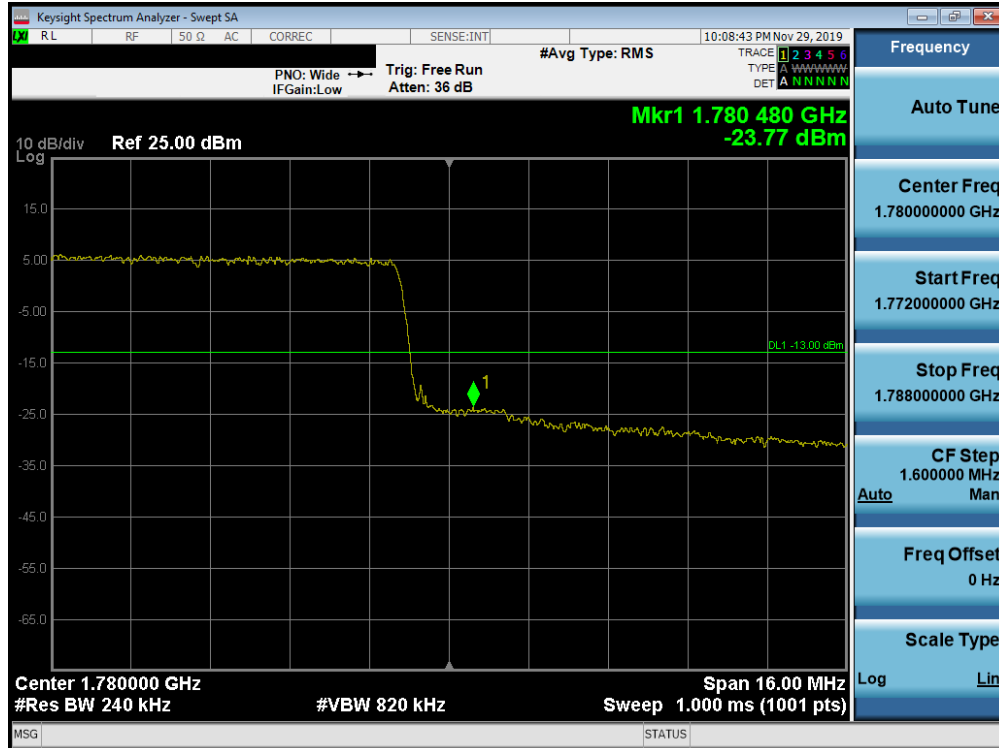


Plot 7-689. Lower Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

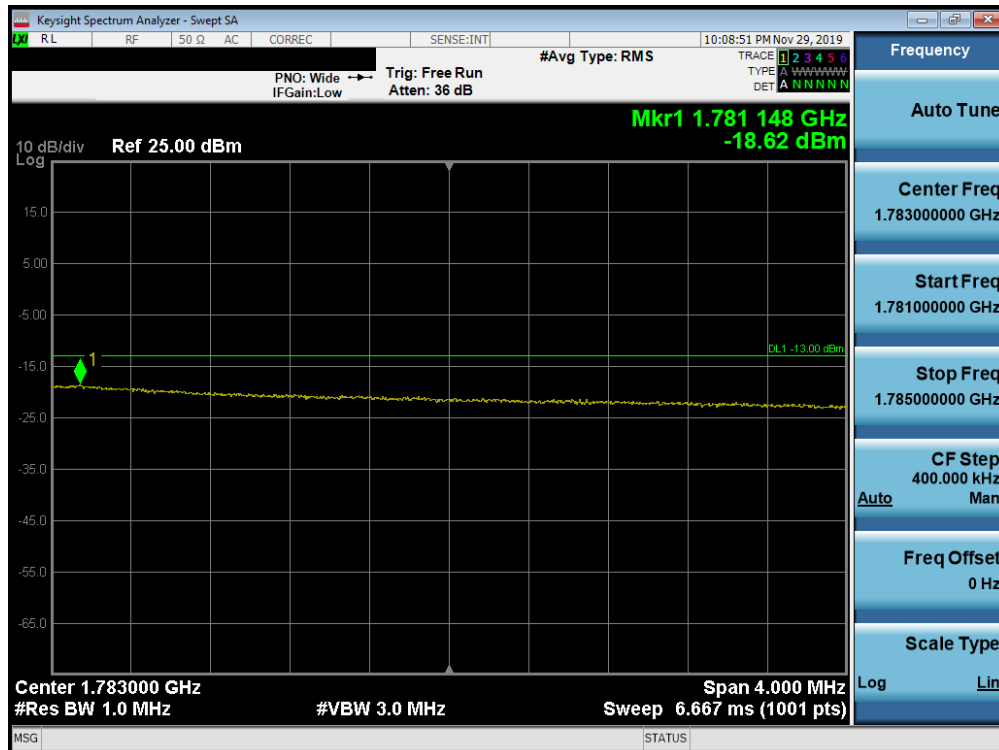


Plot 7-690. Lower Extended Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 430 of 488



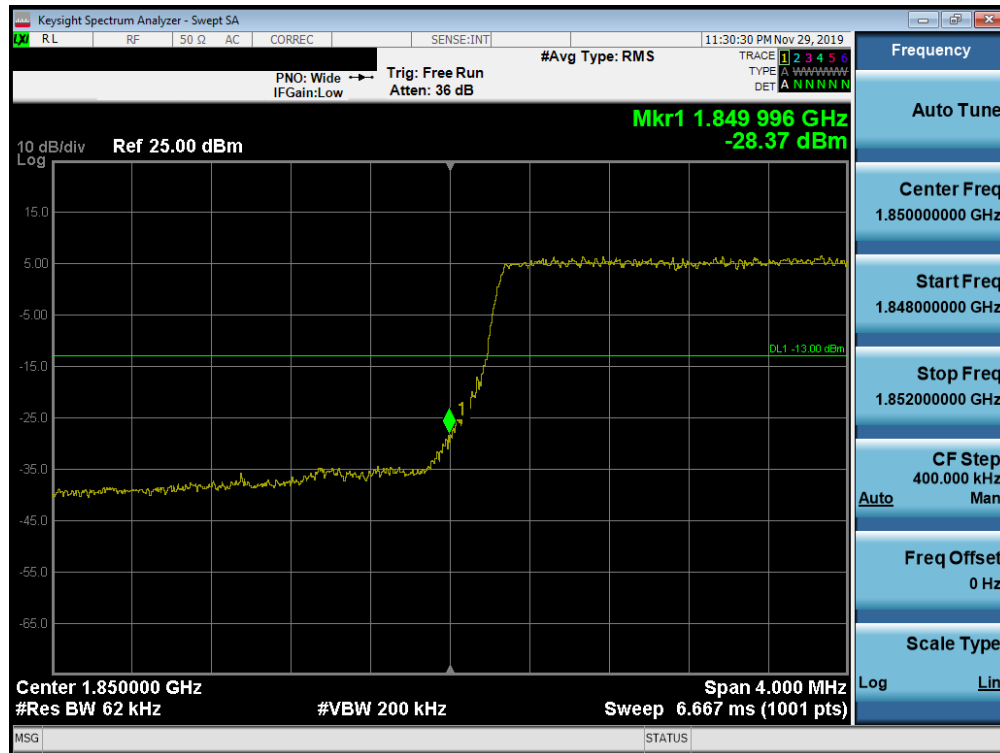
Plot 7-691. Upper Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)



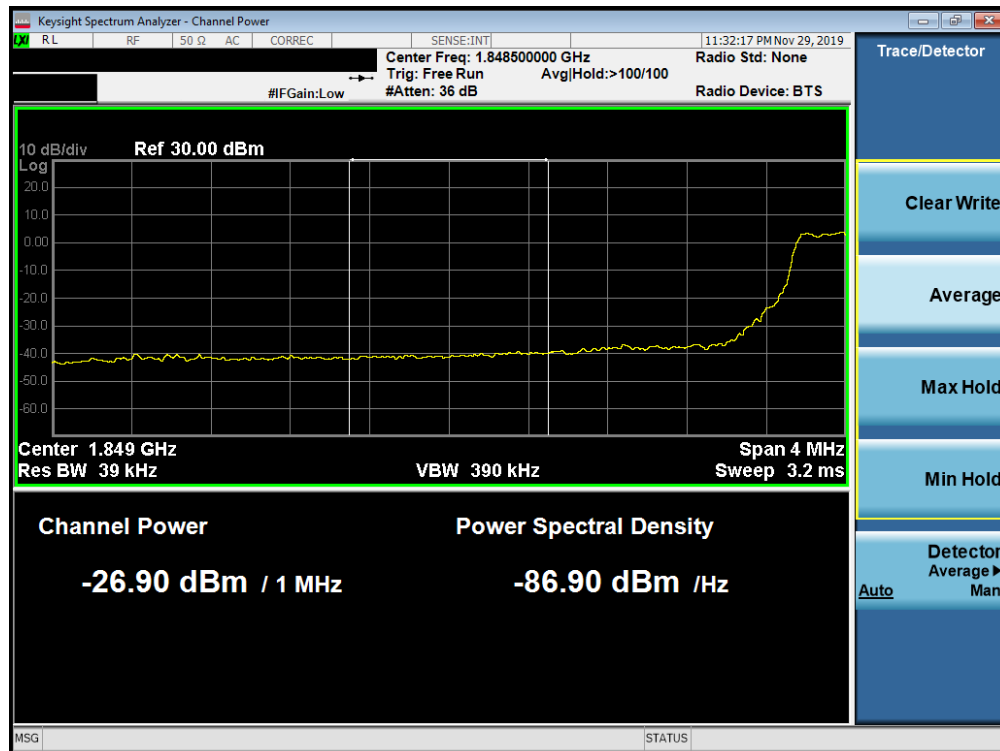
Plot 7-692. Upper Extended Band Edge Plot (Band n66 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 431 of 488

NR Band n25/2



Plot 7-693. Lower Band Edge Plot (Band n25/2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

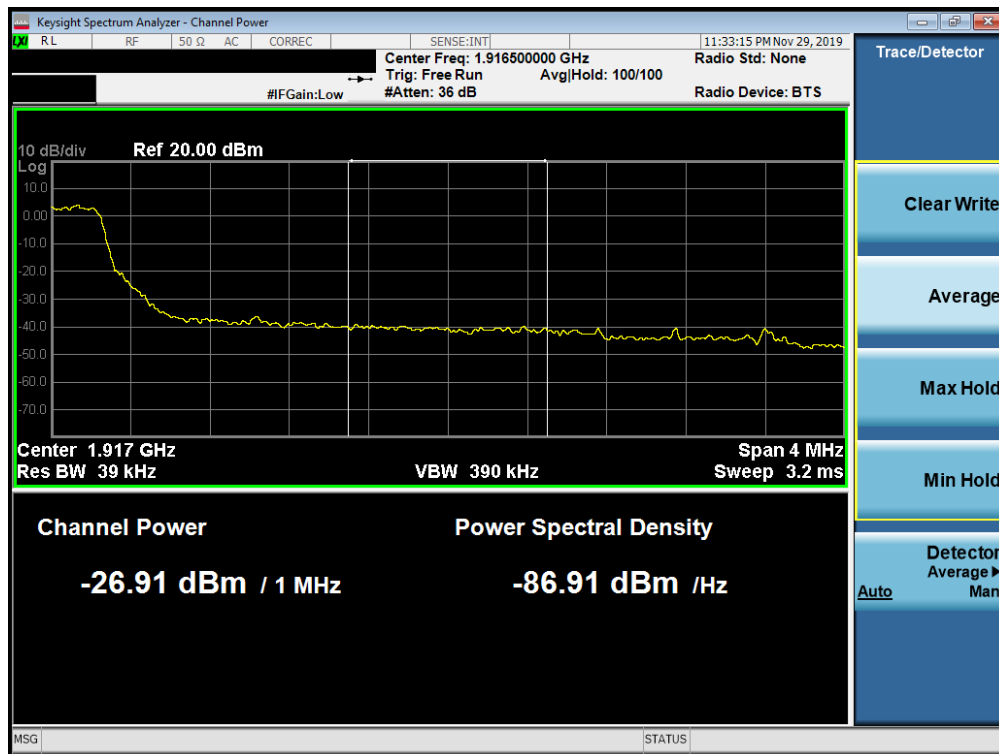


Plot 7-694. Lower Extended Band Edge Plot (Band n25/2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 432 of 488

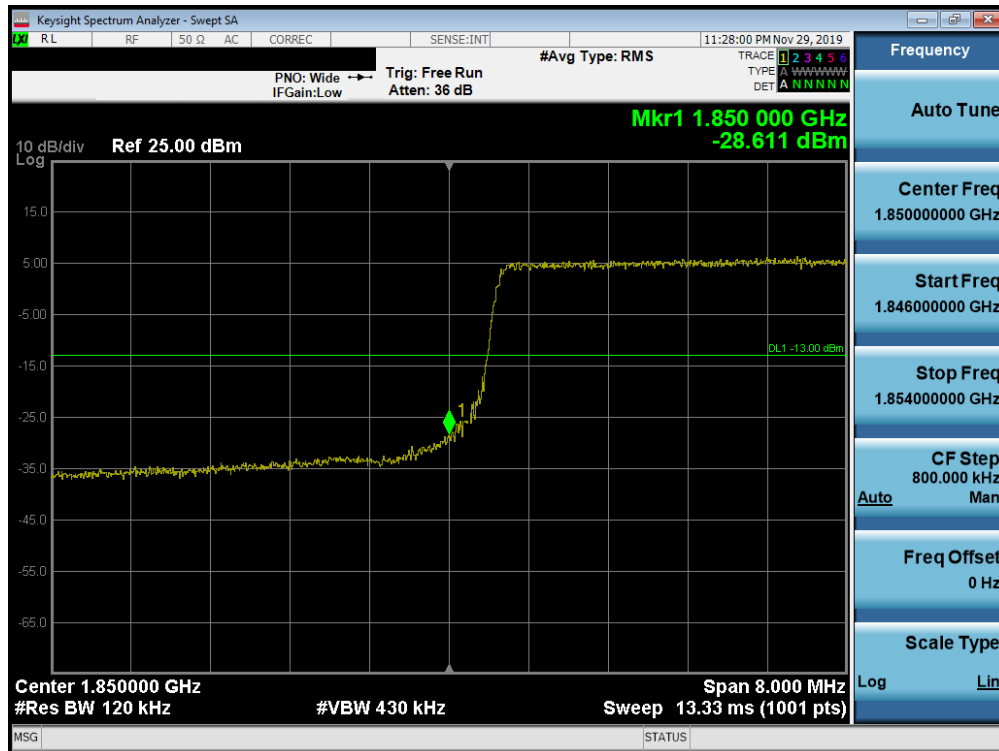


Plot 7-695. Upper Band Edge Plot (Band n25/2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

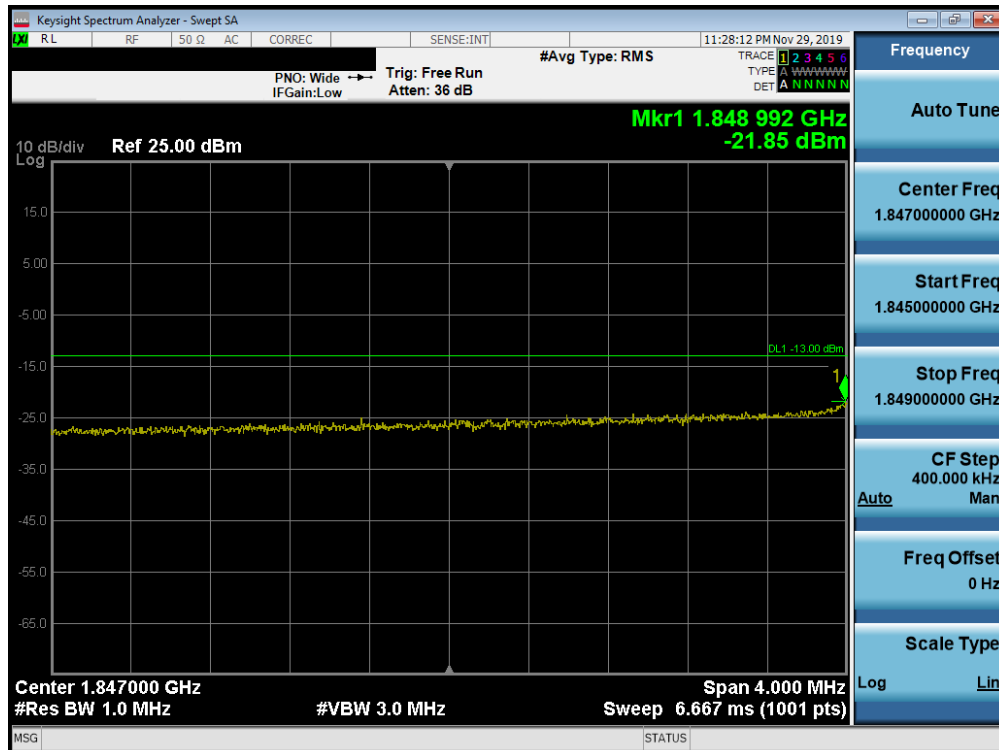


Plot 7-696. Upper Extended Band Edge Plot (Band n25/2 - 5.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 433 of 488



Plot 7-697. Lower Band Edge Plot (Band n25/2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)



Plot 7-698. Lower Extended Band Edge Plot (Band n25/2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 434 of 488

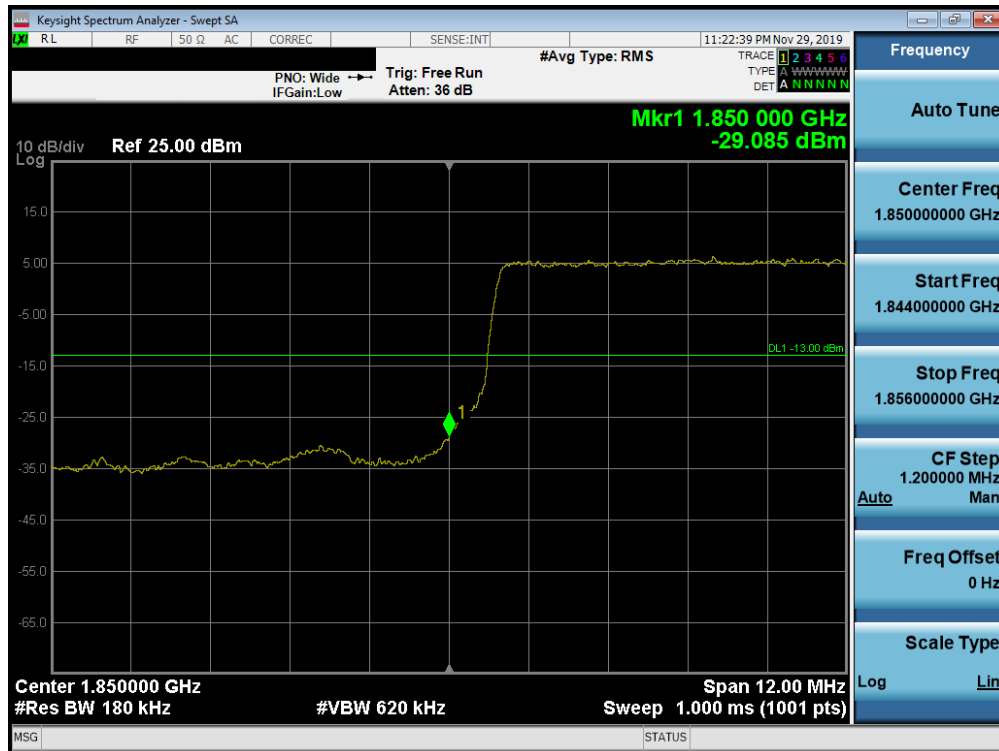


Plot 7-699. Upper Band Edge Plot (Band n25/2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

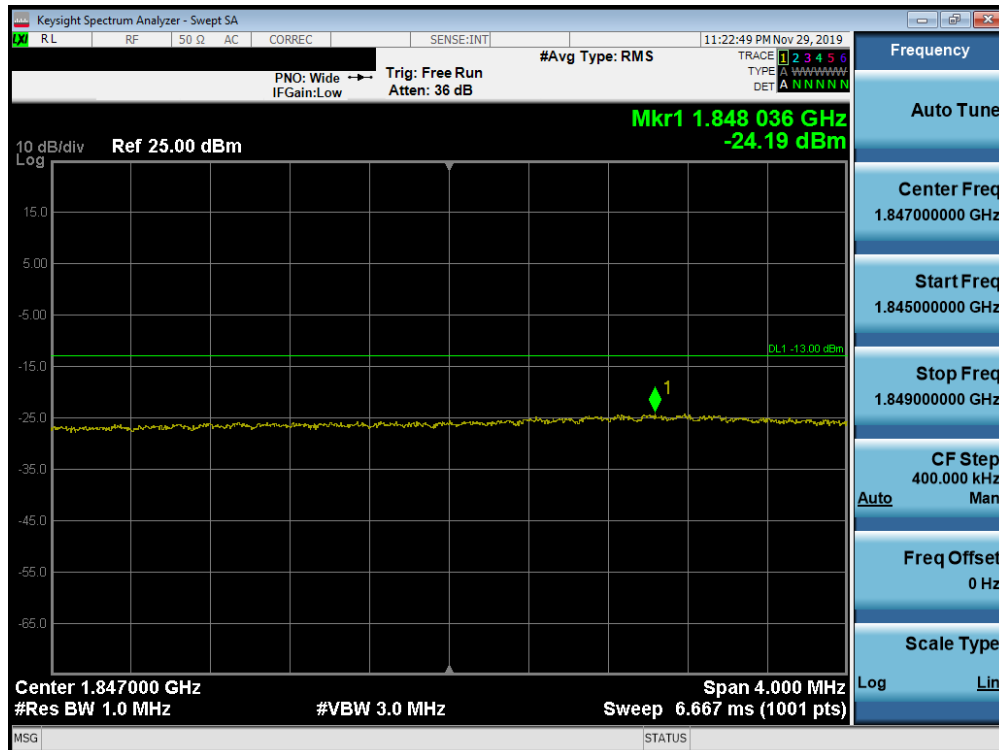


Plot 7-700. Upper Extended Band Edge Plot (Band n25/2 - 10.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 435 of 488



Plot 7-701. Lower Band Edge Plot (Band n25/2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

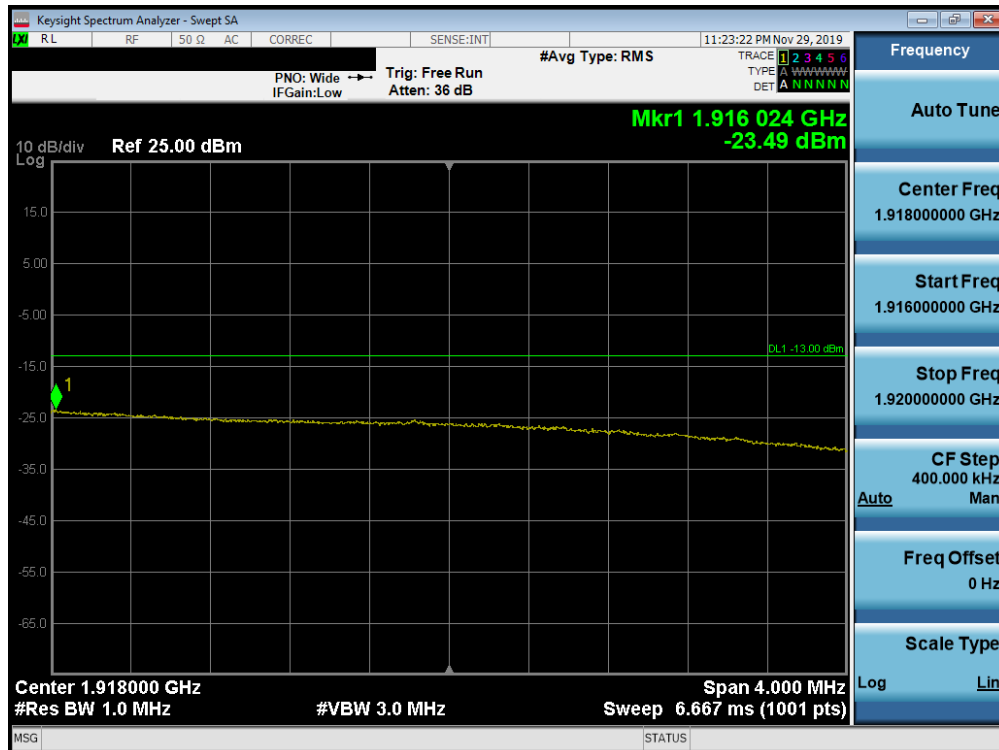


Plot 7-702. Lower Extended Band Edge Plot (Band n25/2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 436 of 488

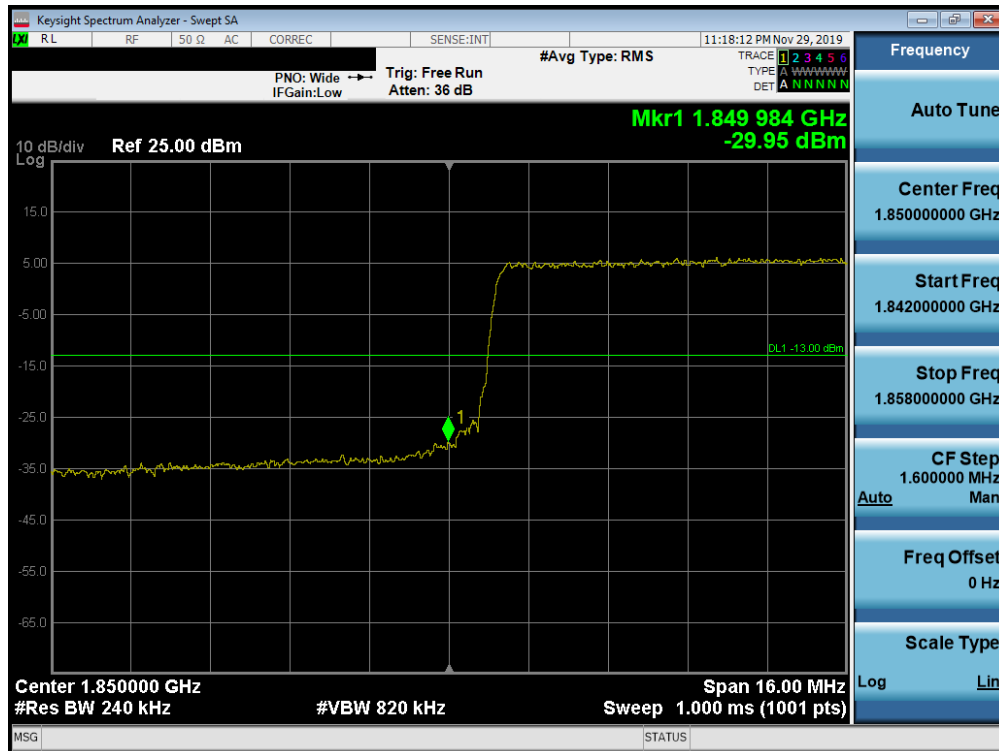


Plot 7-703. Upper Band Edge Plot (Band n25/2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

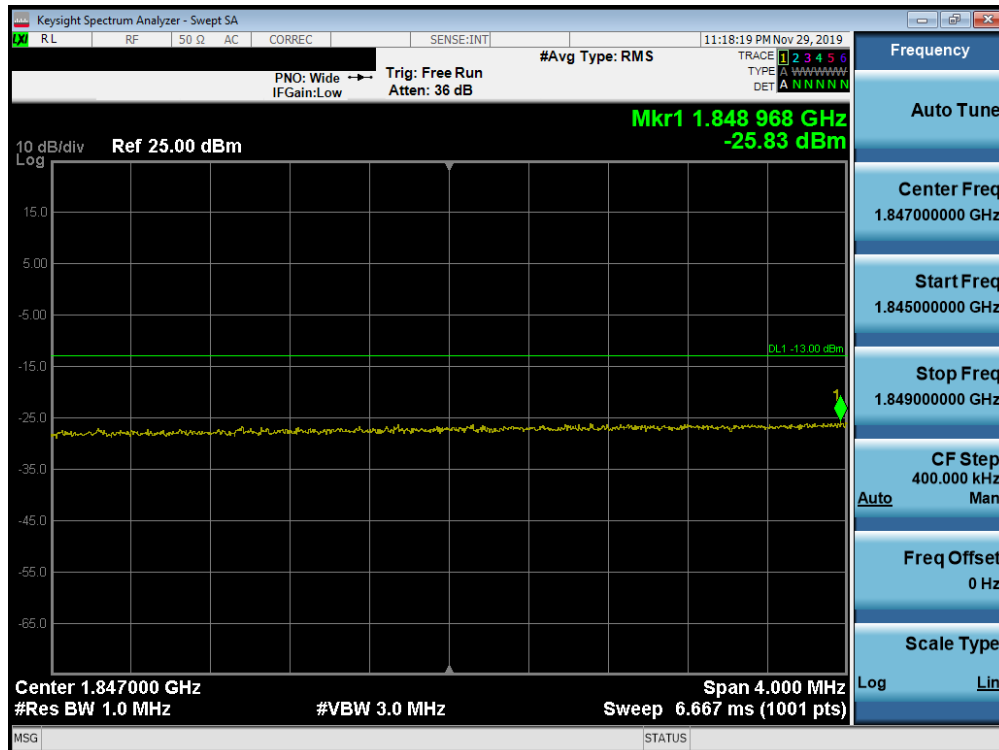


Plot 7-704. Upper Extended Band Edge Plot (Band n25/2 - 15.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 437 of 488

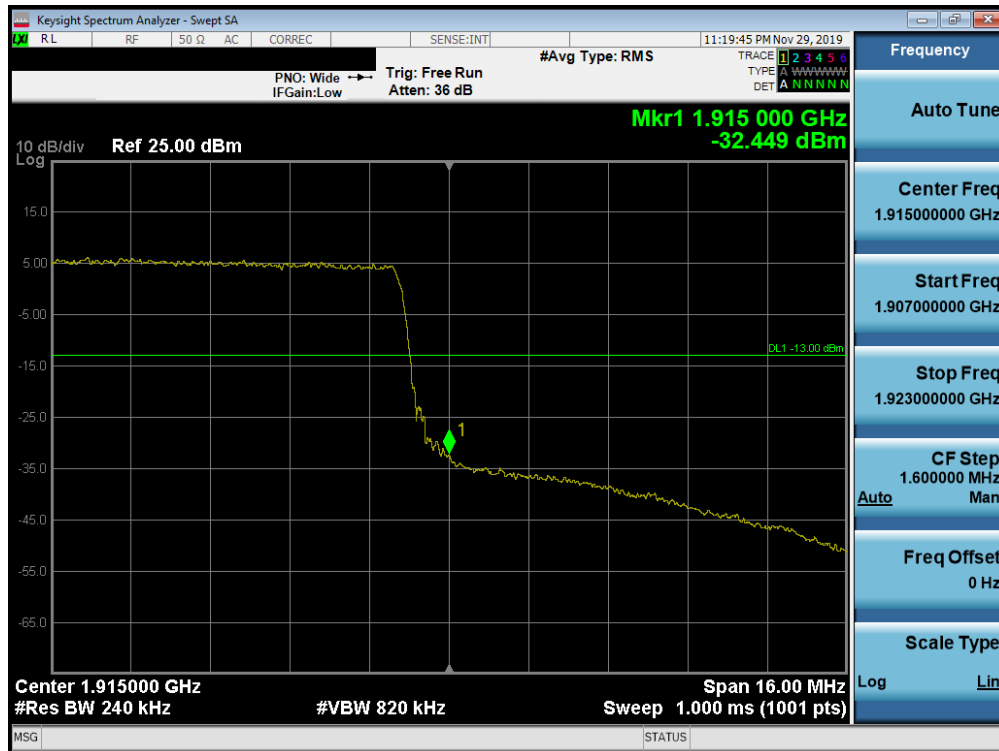


Plot 7-705. Lower Band Edge Plot (Band n25/2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

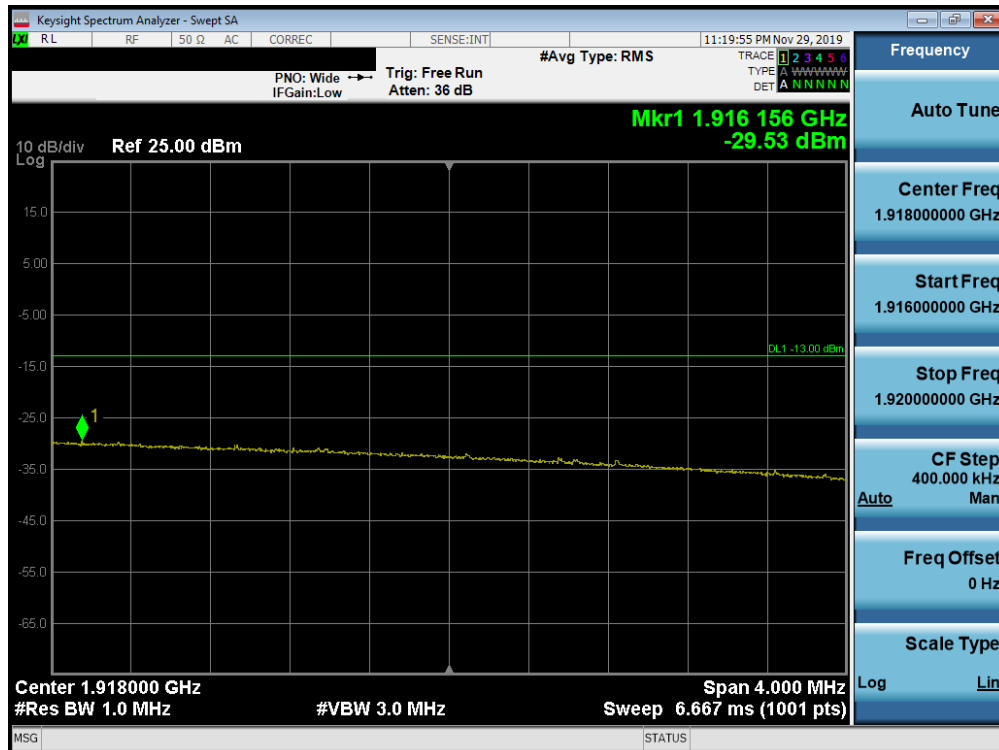


Plot 7-706. Lower Extended Band Edge Plot (Band n25/2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 438 of 488	



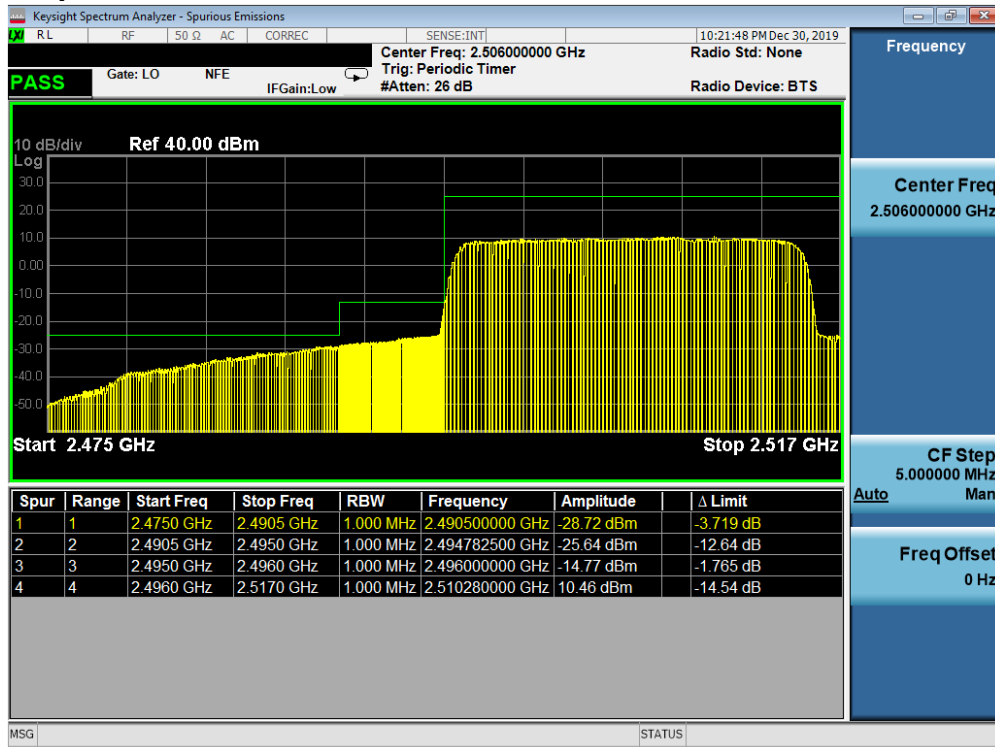
Plot 7-707. Upper Band Edge Plot (Band n25/2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)



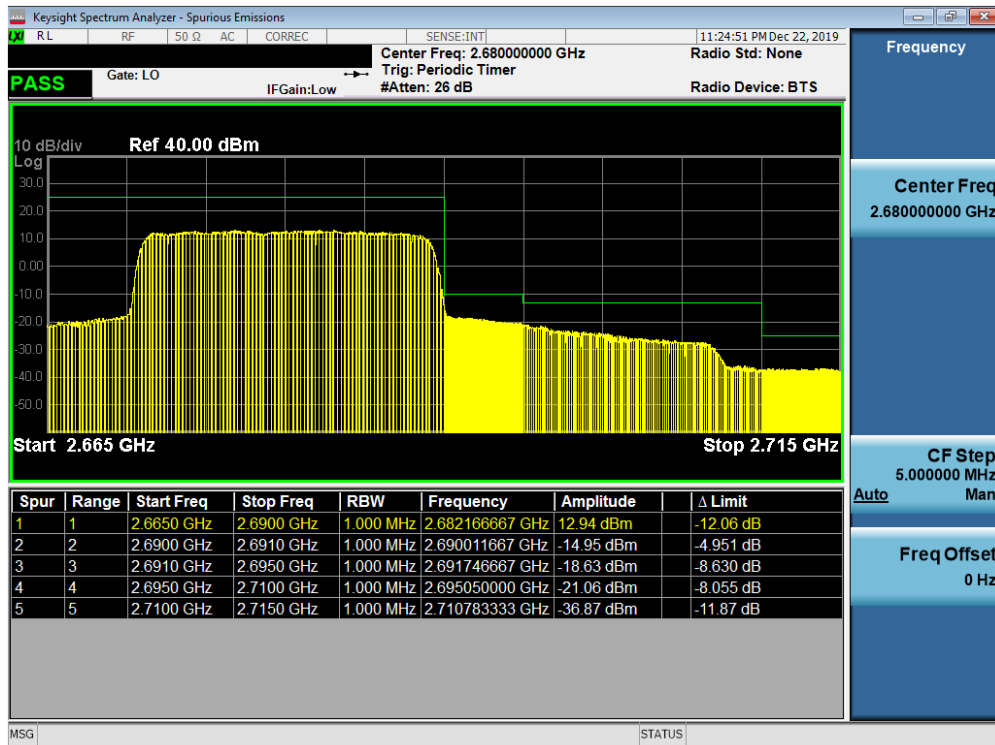
Plot 7-708. Upper Extended Band Edge Plot (Band n25/2 - 20.0MHz CP-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 439 of 488

Band n41 (PC2)

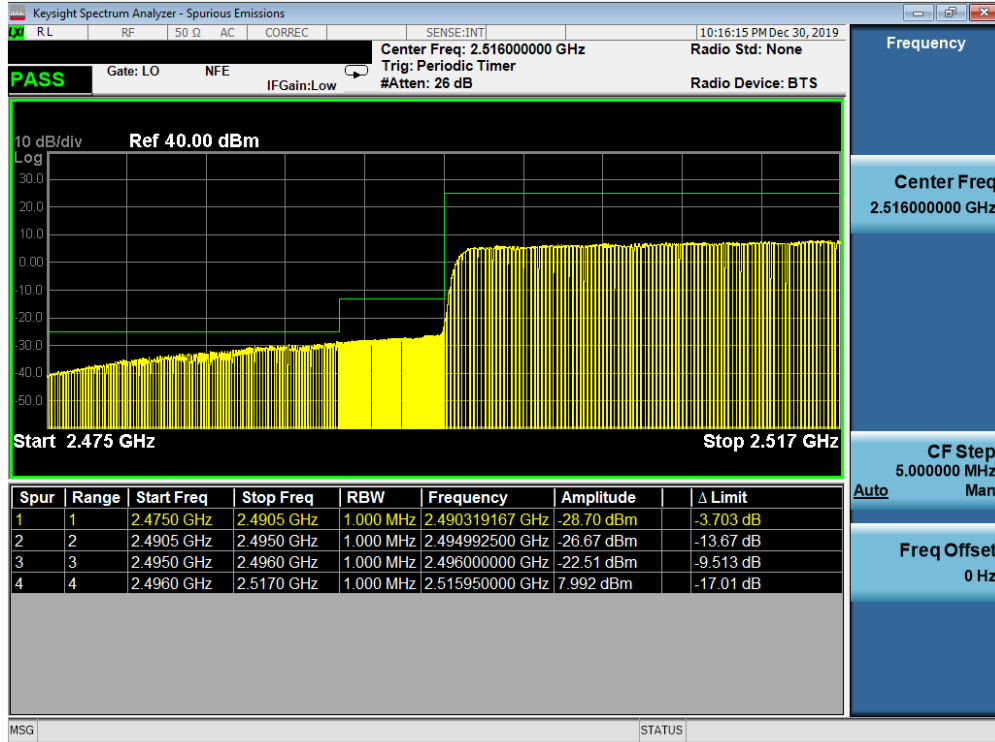


Plot 7-709. Lower ACP Plot at 2496 MHz (n41 (PC2) - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

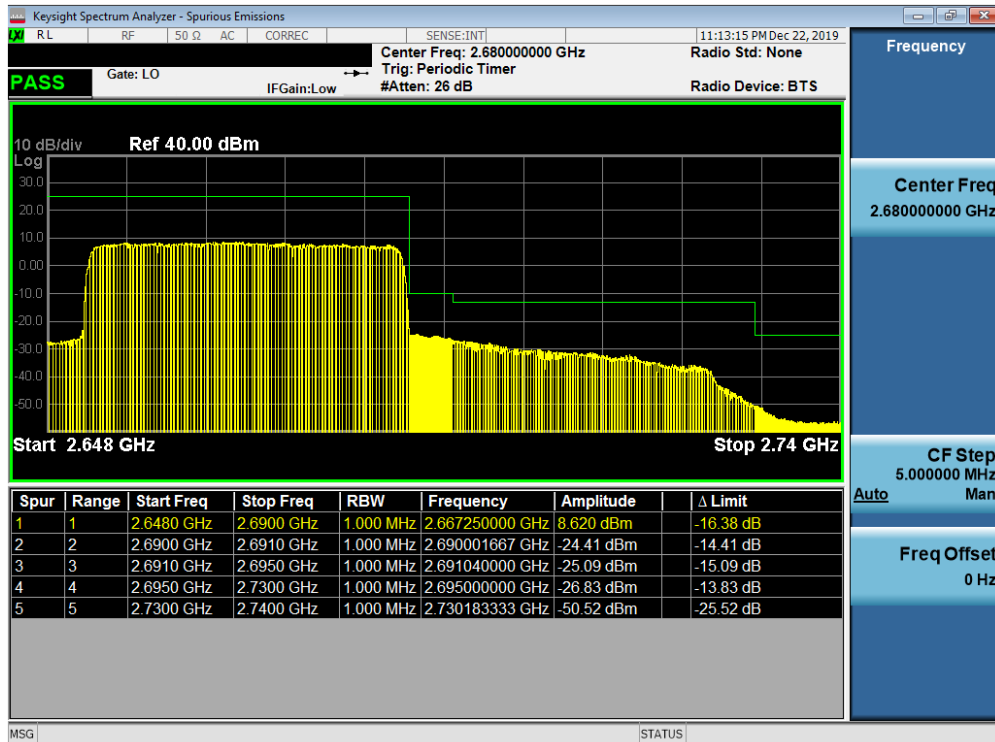


Plot 7-710. Upper ACP Plot (n41 (PC2) - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 440 of 488		

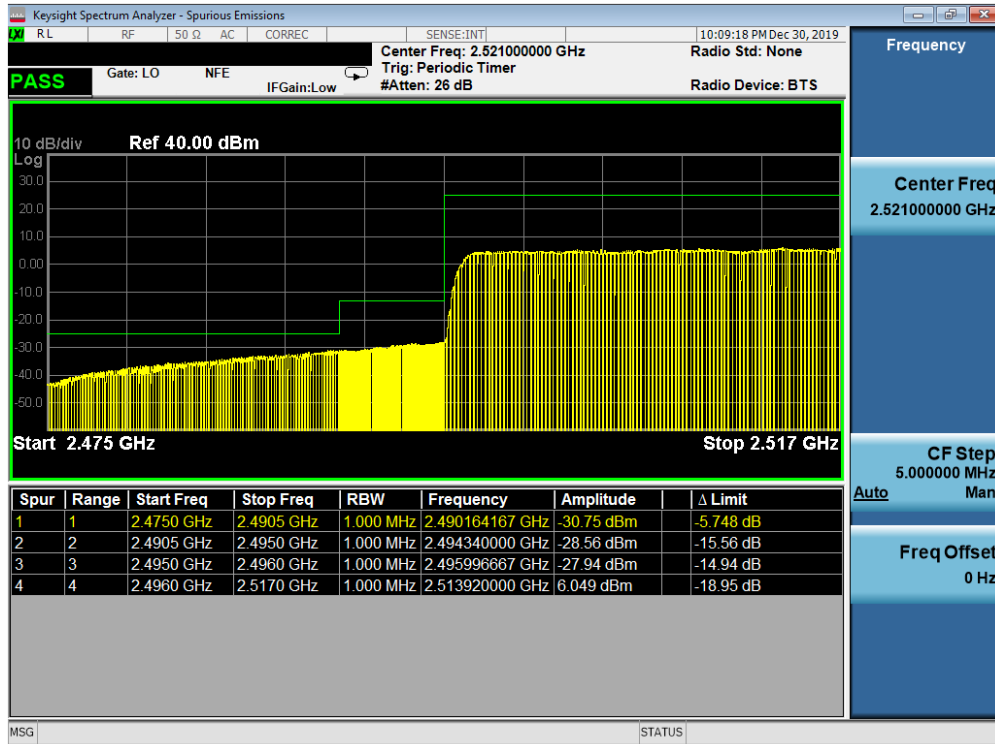


Plot 7-711. Lower ACP Plot at 2496 MHz (n41 (PC2) - 40MHz DFT-s-OFDM-QPSK - Full RB Configuration)

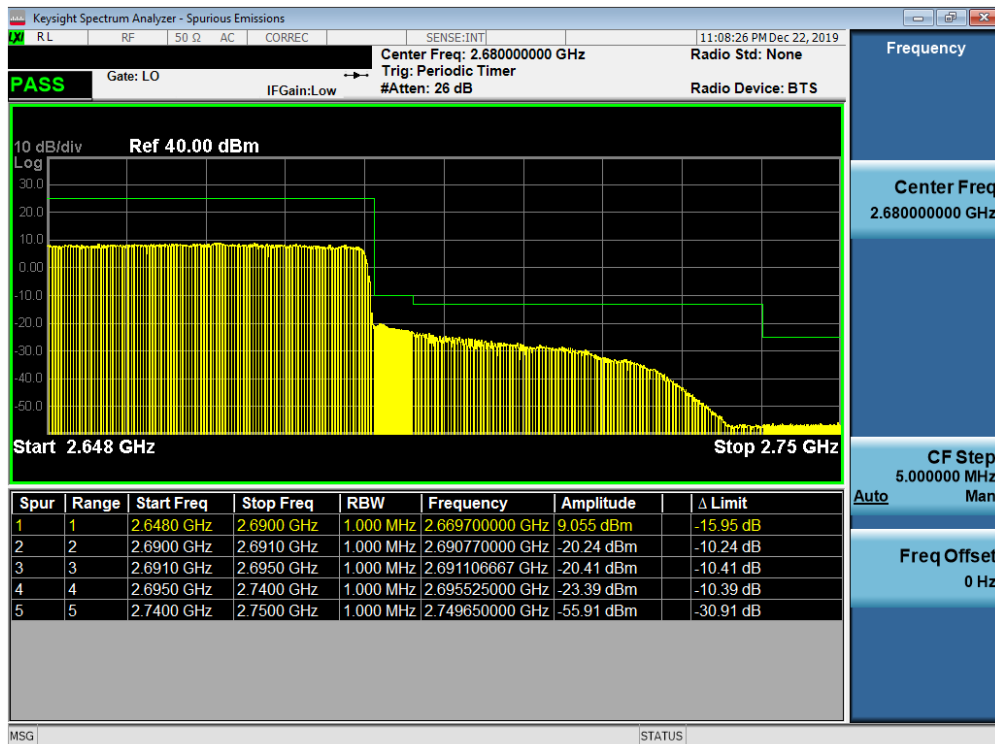


Plot 7-712. Upper ACP Plot (n41 (PC2) - 40MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 441 of 488

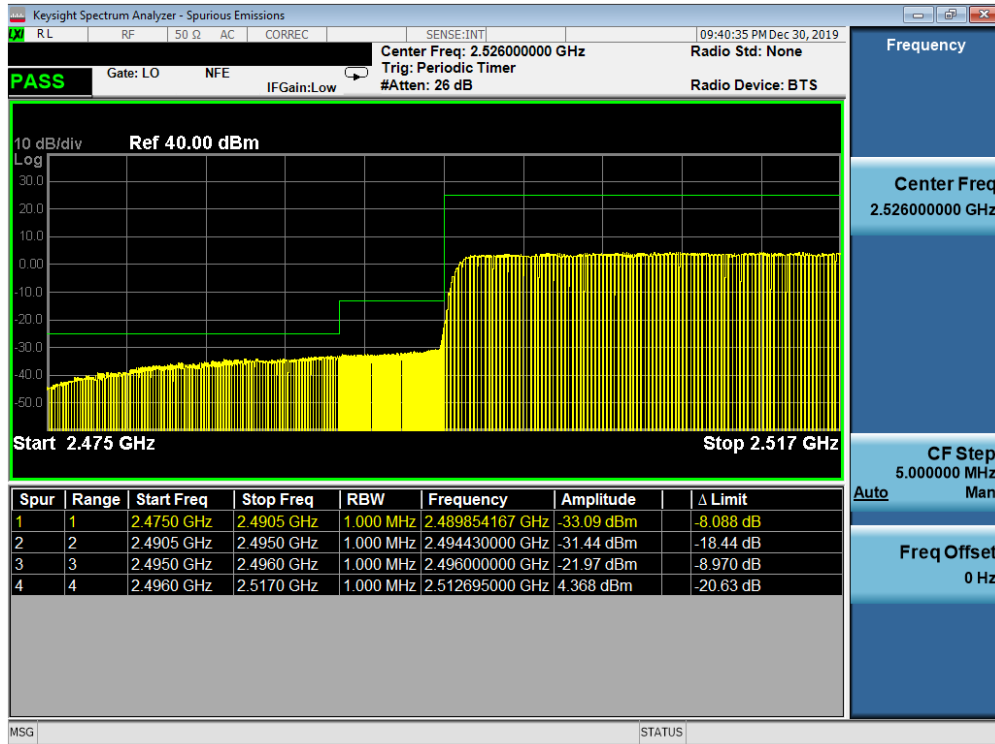


Plot 7-713. Lower ACP Plot at 2496 MHz (n41 (PC2) - 50MHz DFT-s-OFDM-QPSK - Full RB Configuration)

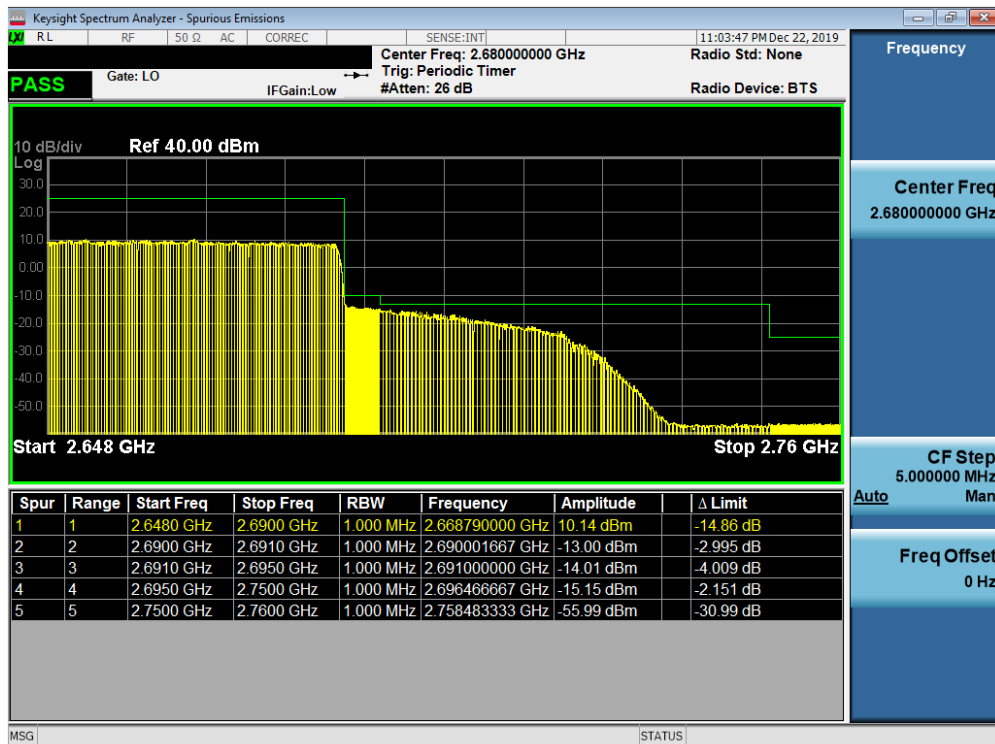


Plot 7-714. Upper ACP Plot (n41 (PC2) - 50MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 442 of 488

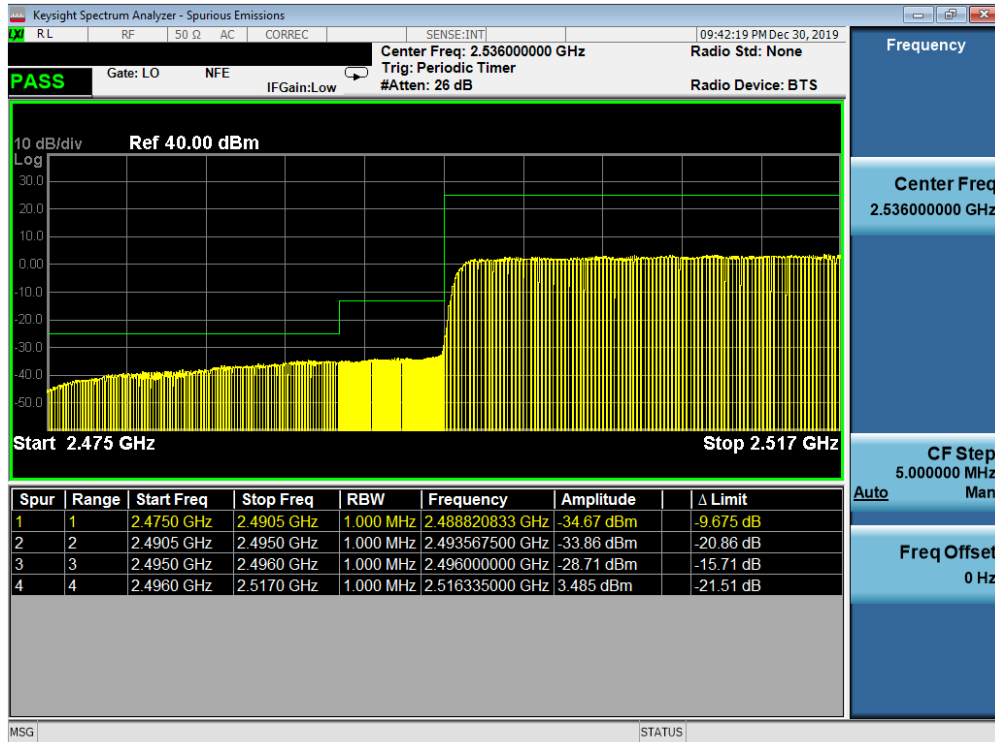


Plot 7-715. Lower ACP Plot at 2496 MHz (n41 (PC2) - 60MHz DFT-s-OFDM-QPSK - Full RB Configuration)

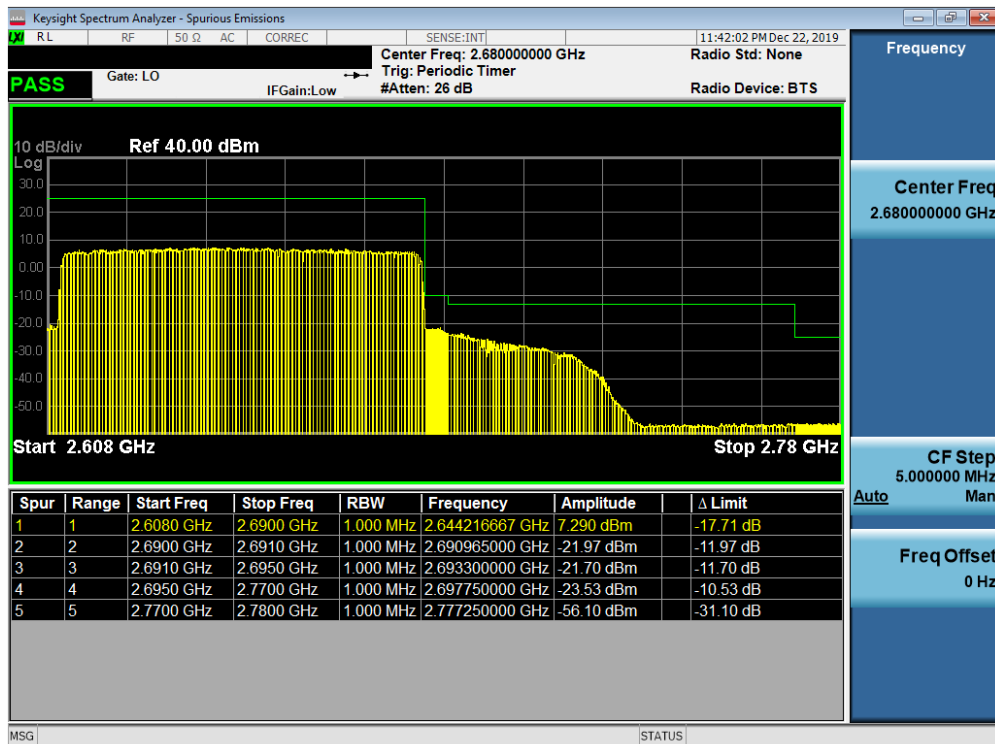


Plot 7-716. Upper ACP Plot (n41 (PC2) - 60MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 443 of 488		

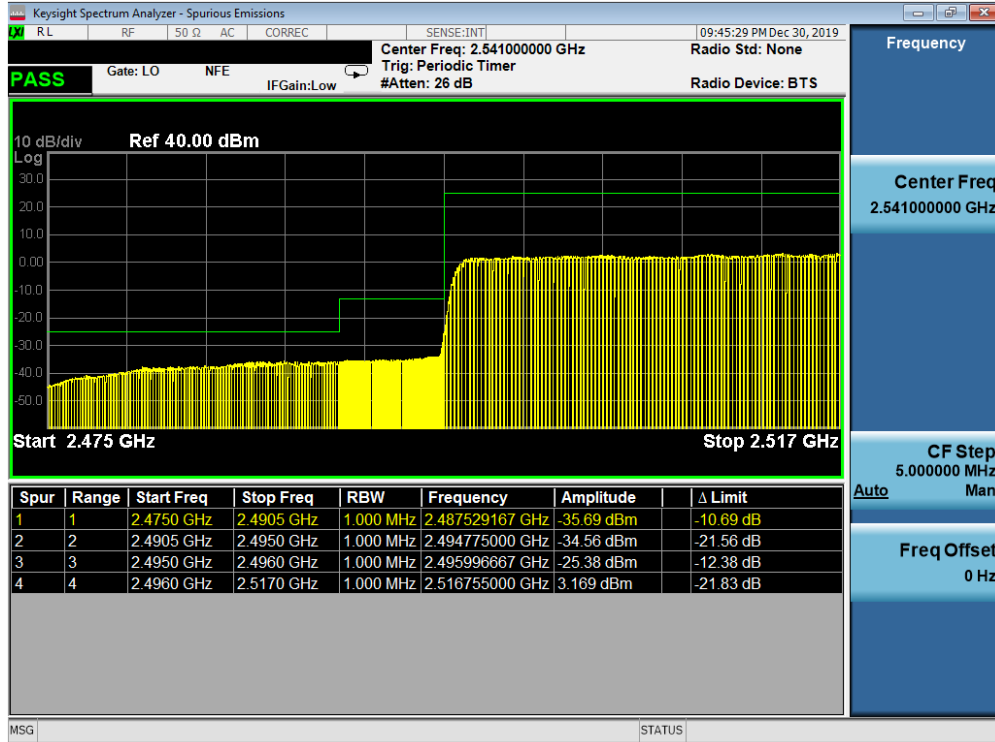


Plot 7-717. Lower ACP Plot at 2496 MHz (n41 (PC2) - 80MHz DFT-s-OFDM-QPSK - Full RB Configuration)

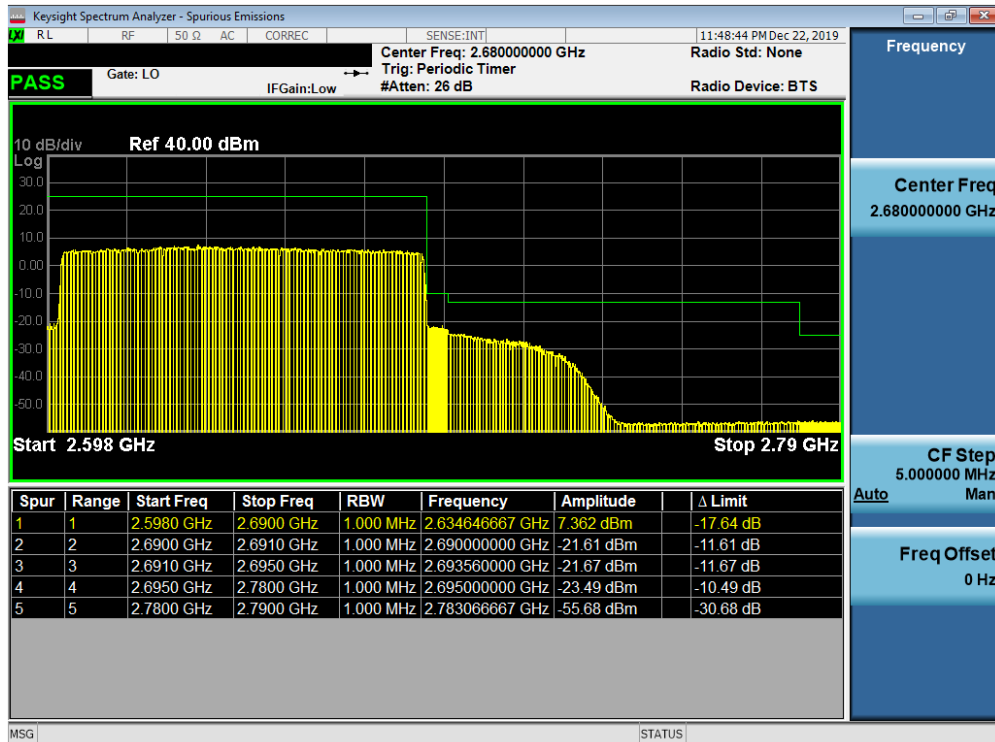


Plot 7-718. Upper ACP Plot (n41 (PC2) - 80MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 444 of 488

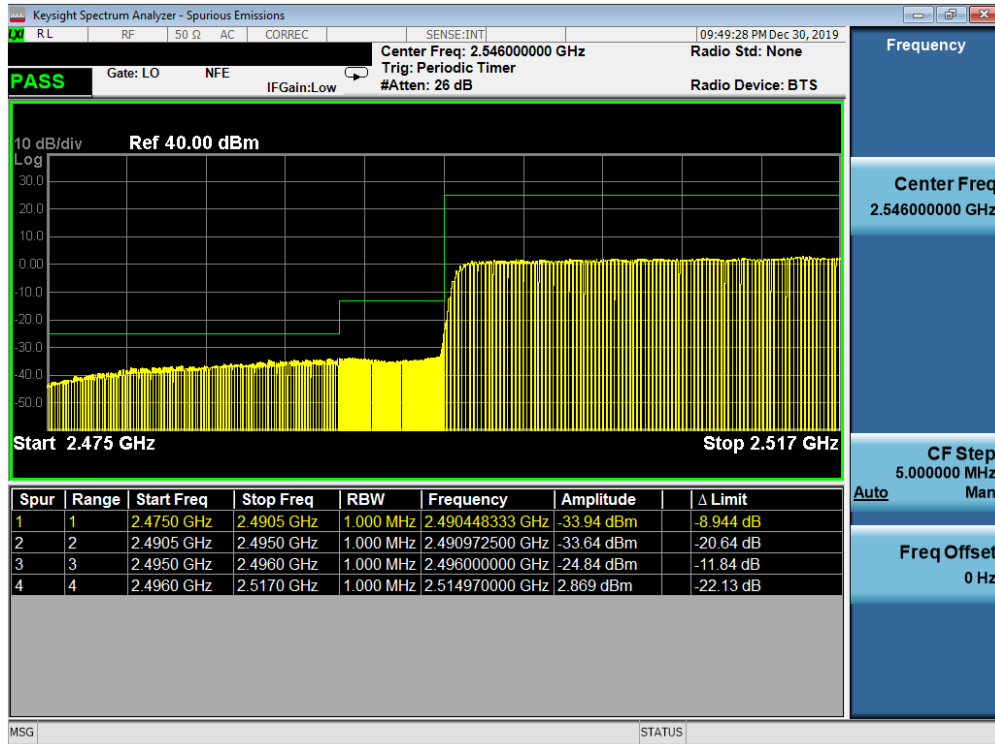


Plot 7-719. Lower ACP Plot at 2496 MHz (n41 (PC2) - 90MHz DFT-s-OFDM-QPSK - Full RB Configuration)

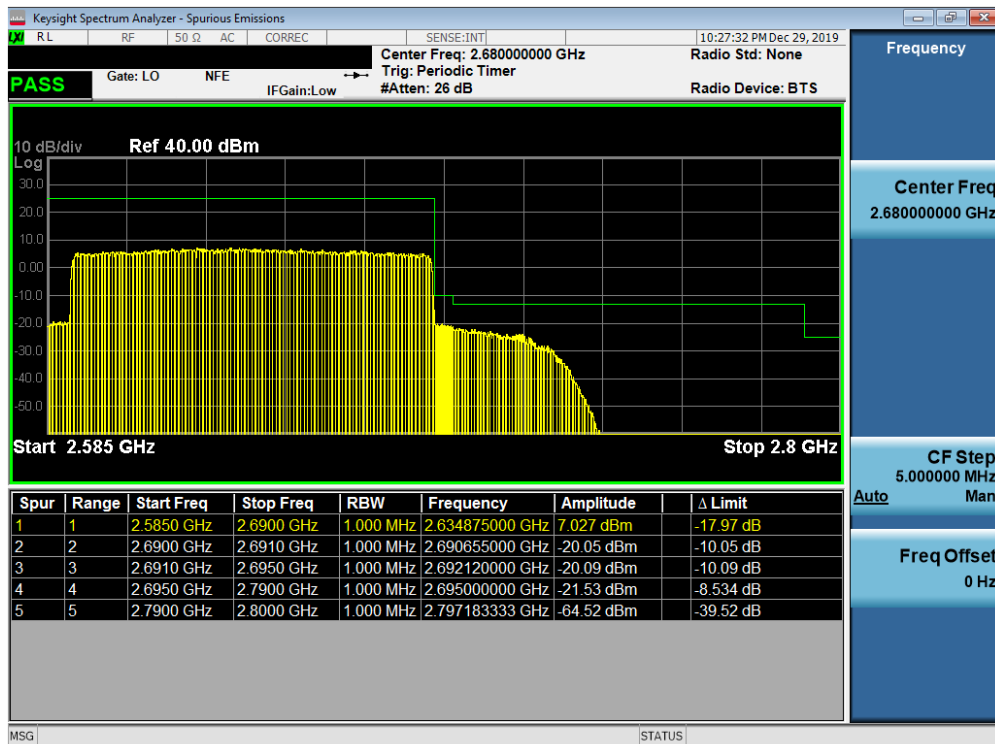


Plot 7-720. Upper ACP Plot (n41 (PC2) - 90MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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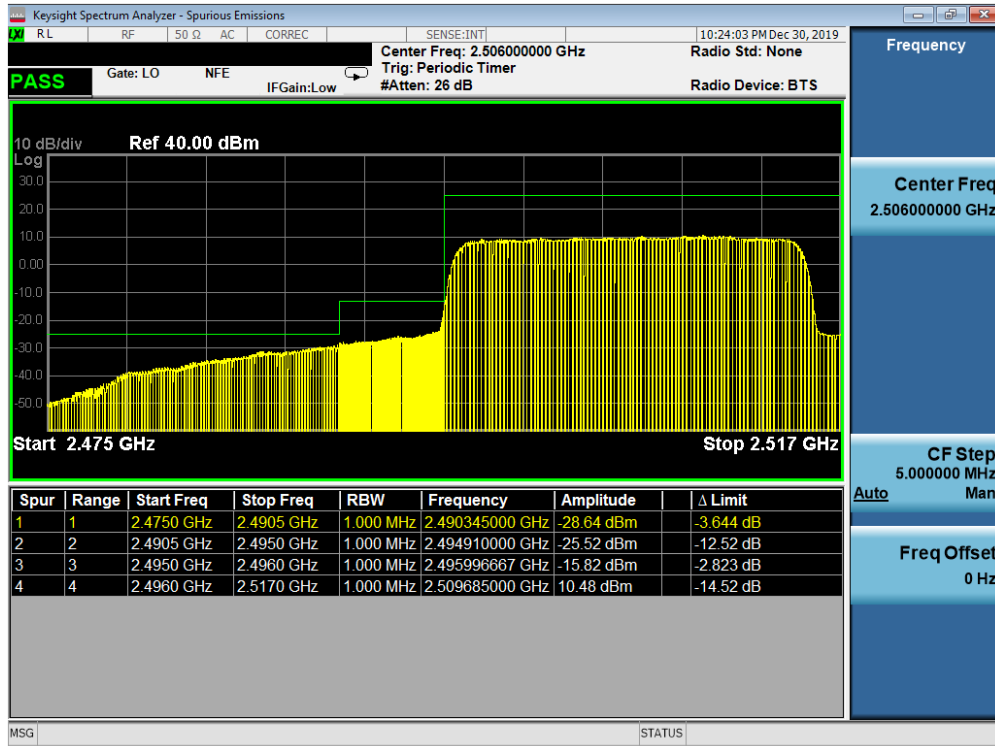
Plot 7-721. Lower ACP Plot at 2496 MHz (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - Full RB Configuration)



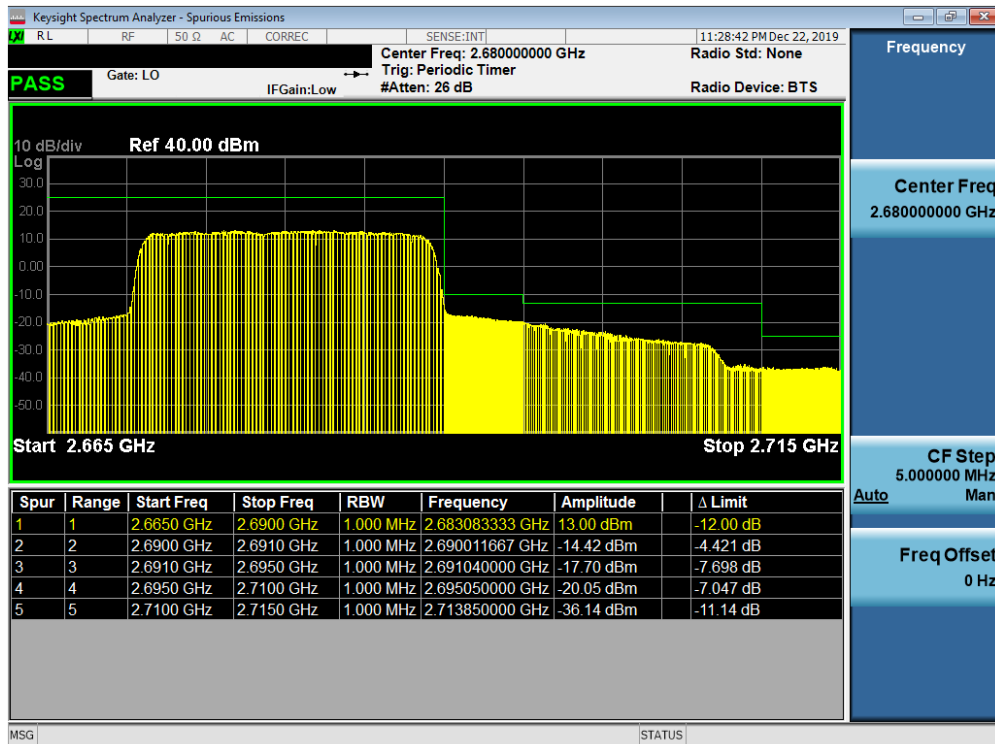
Plot 7-722. Upper ACP Plot (n41 (PC2) - 100MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 446 of 488

Band n41 (PC3)

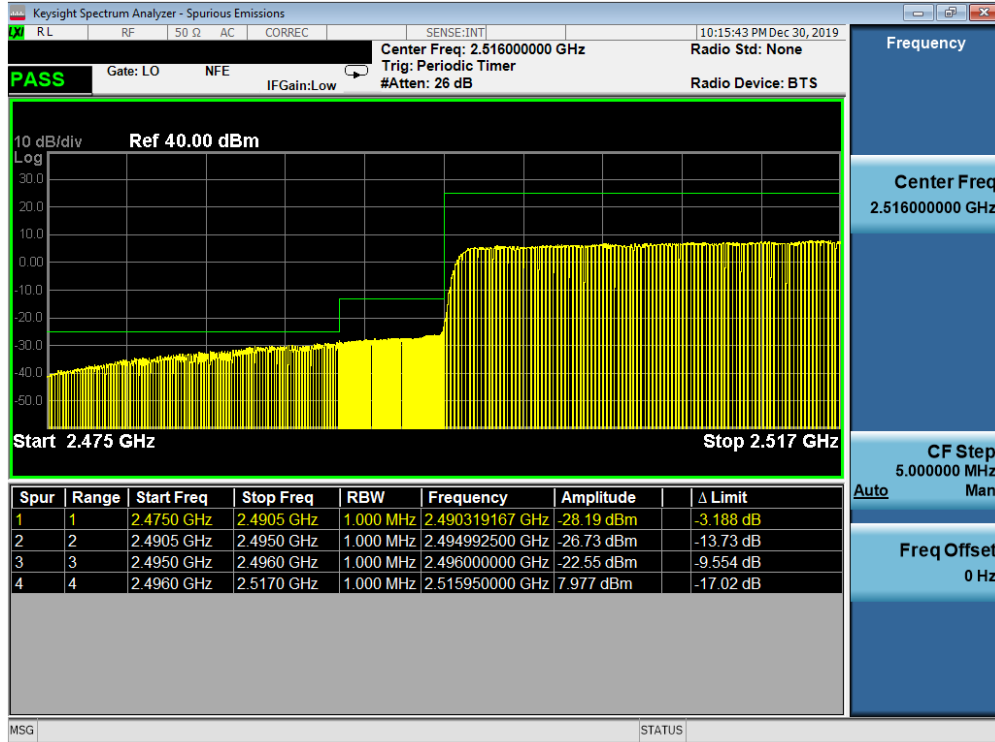


Plot 7-723. Lower ACP Plot at 2496 MHz (n41 (PC3) - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

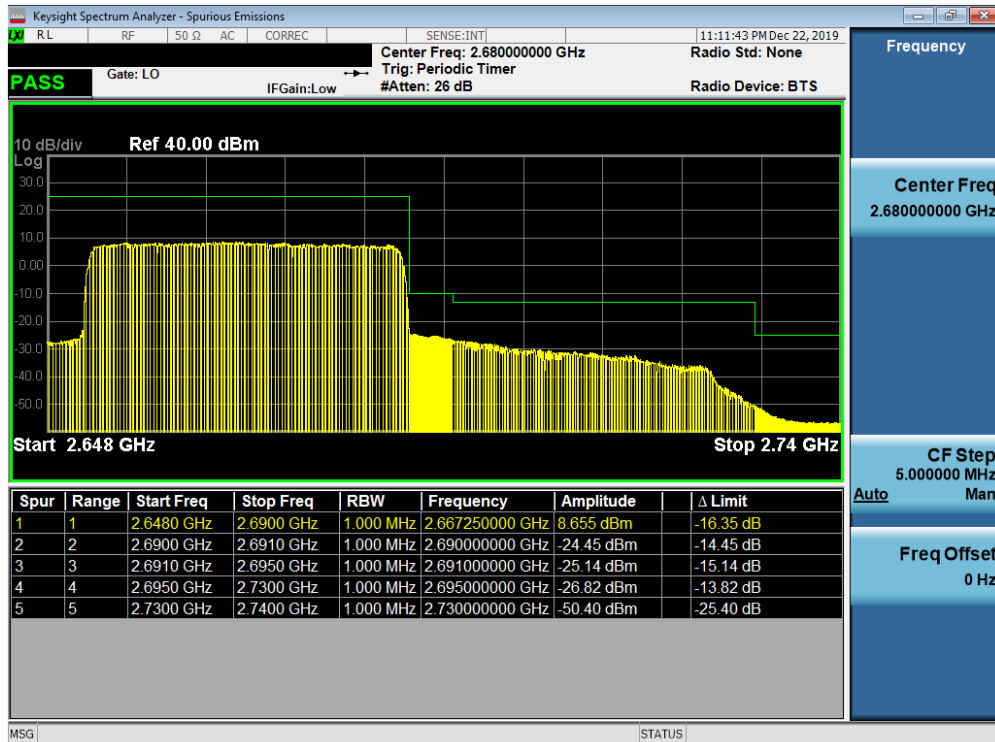


Plot 7-724. Upper ACP Plot (n41 (PC3) - 20MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 447 of 488		

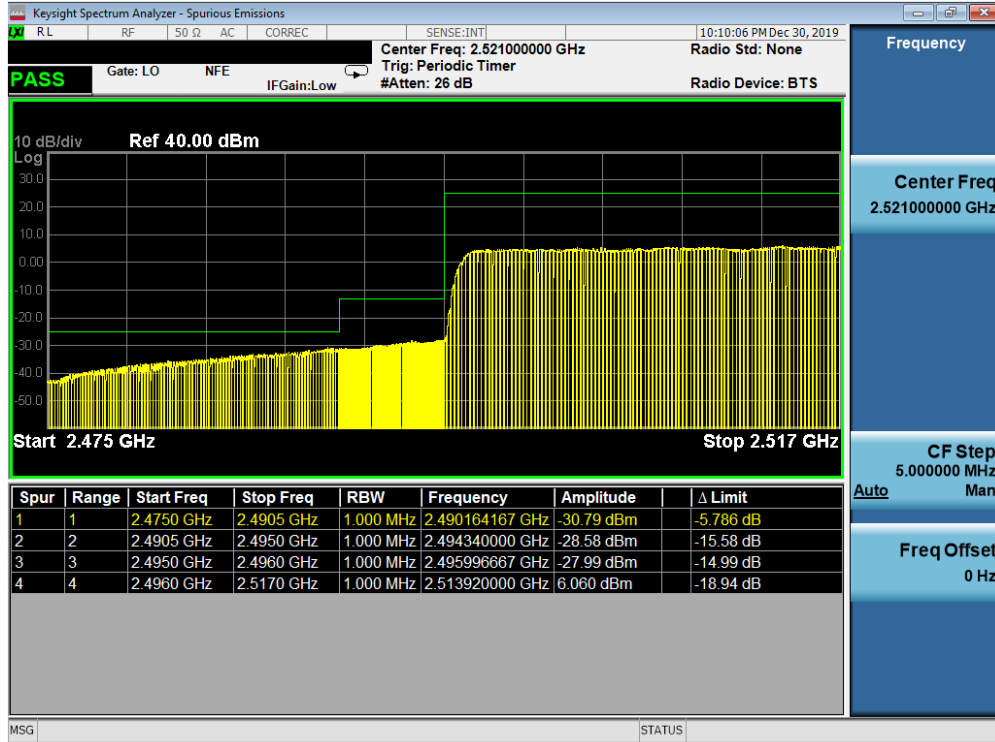


Plot 7-725. Lower ACP Plot at 2496 MHz (n41 (PC3) - 40MHz DFT-s-OFDM-QPSK - Full RB Configuration)

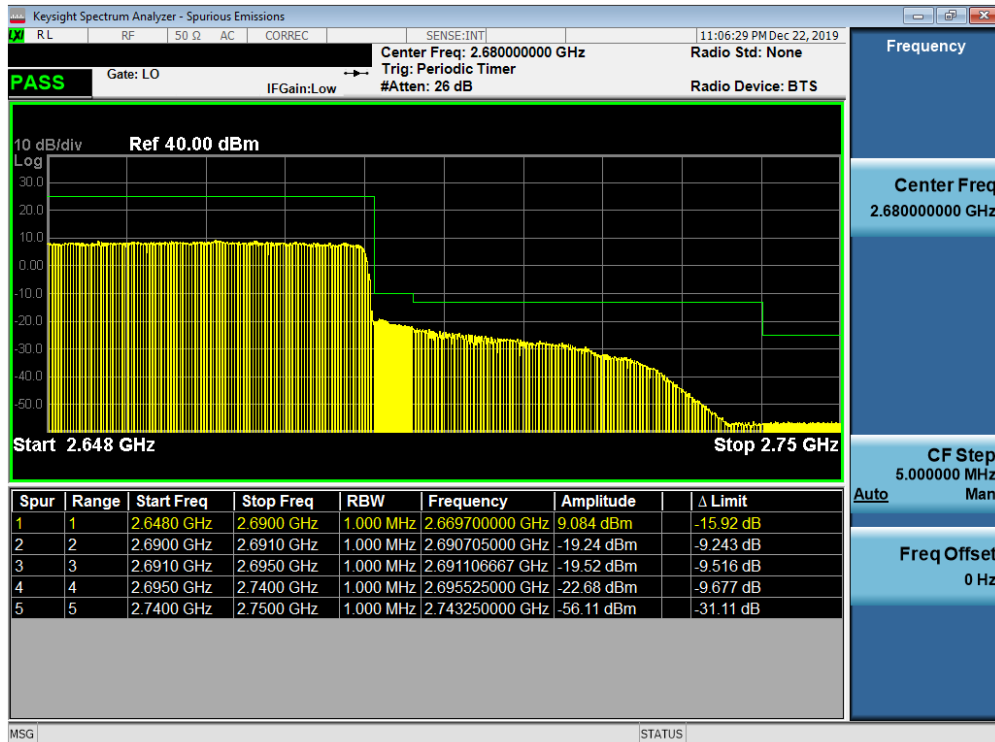


Plot 7-726. Upper ACP Plot (n41 (PC3) - 40MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 448 of 488

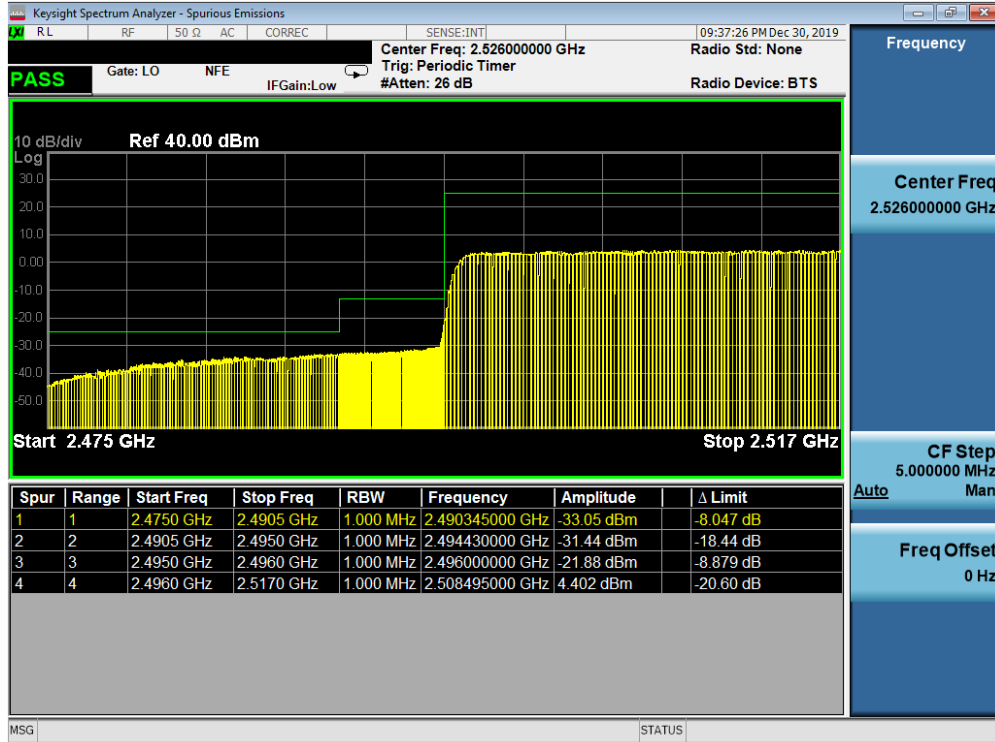


Plot 7-727. Lower ACP Plot at 2496 MHz (n41 (PC3) - 50MHz DFT-s-OFDM-QPSK - Full RB Configuration)

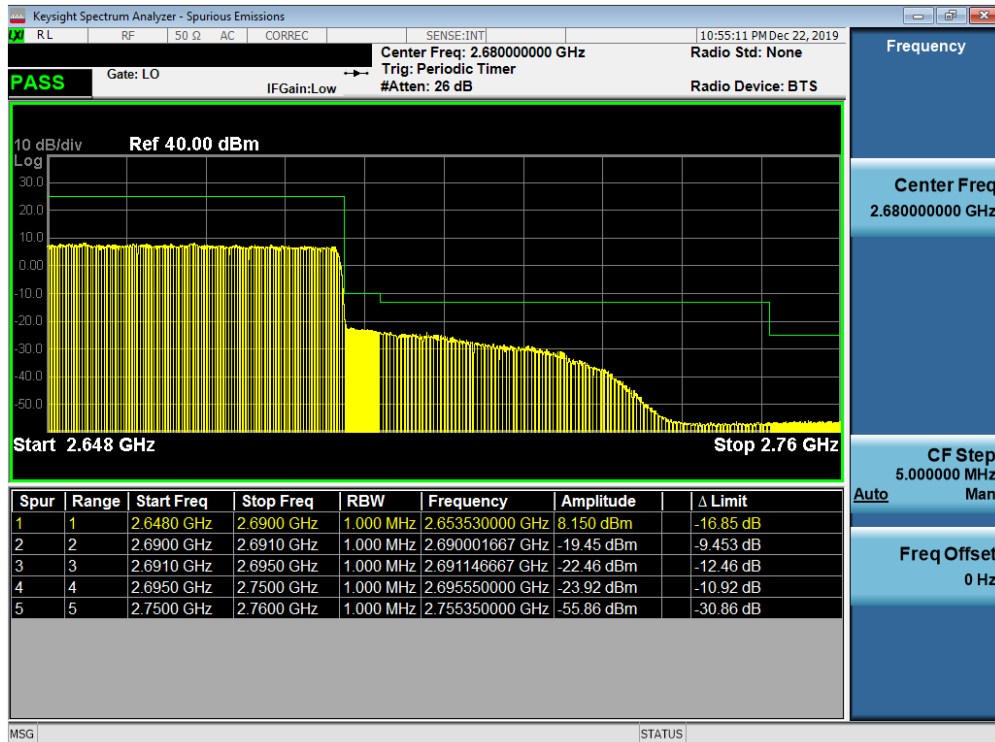


Plot 7-728. Upper ACP Plot (n41 (PC3) - 50MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 449 of 488	

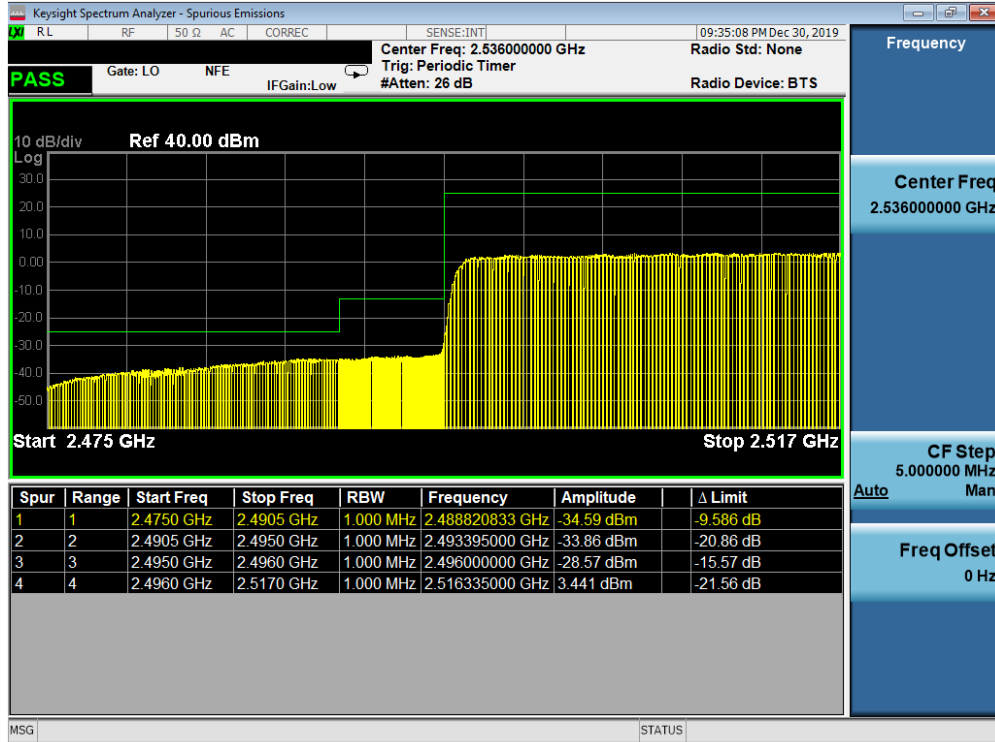


Plot 7-729. Lower ACP Plot at 2496 MHz (n41 (PC3) - 60MHz DFT-s-OFDM-QPSK - Full RB Configuration)

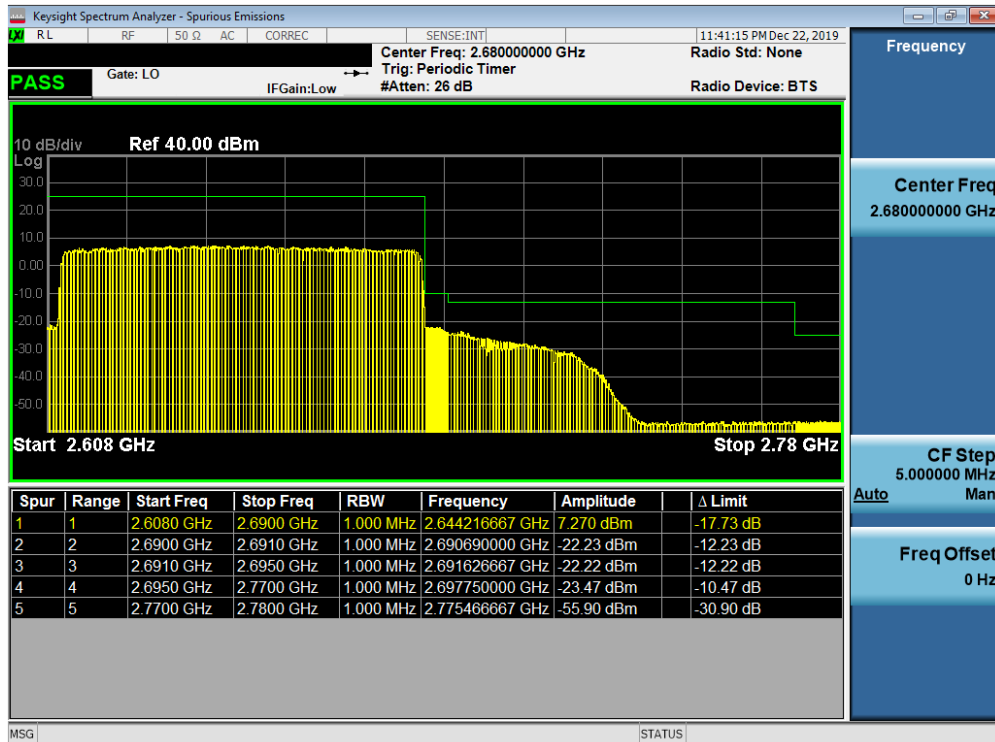


Plot 7-730. Upper ACP Plot (n41 (PC3) - 60MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 450 of 488

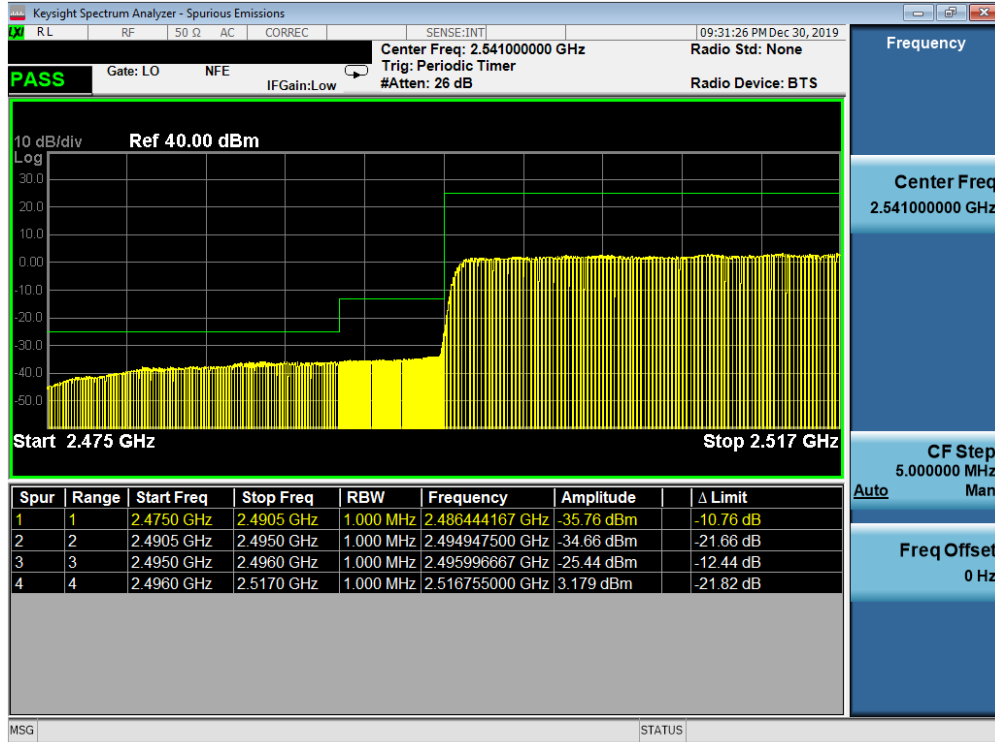


Plot 7-731. Lower ACP Plot at 2496 MHz (n41 (PC3) - 80MHz DFT-s-OFDM-QPSK - Full RB Configuration)

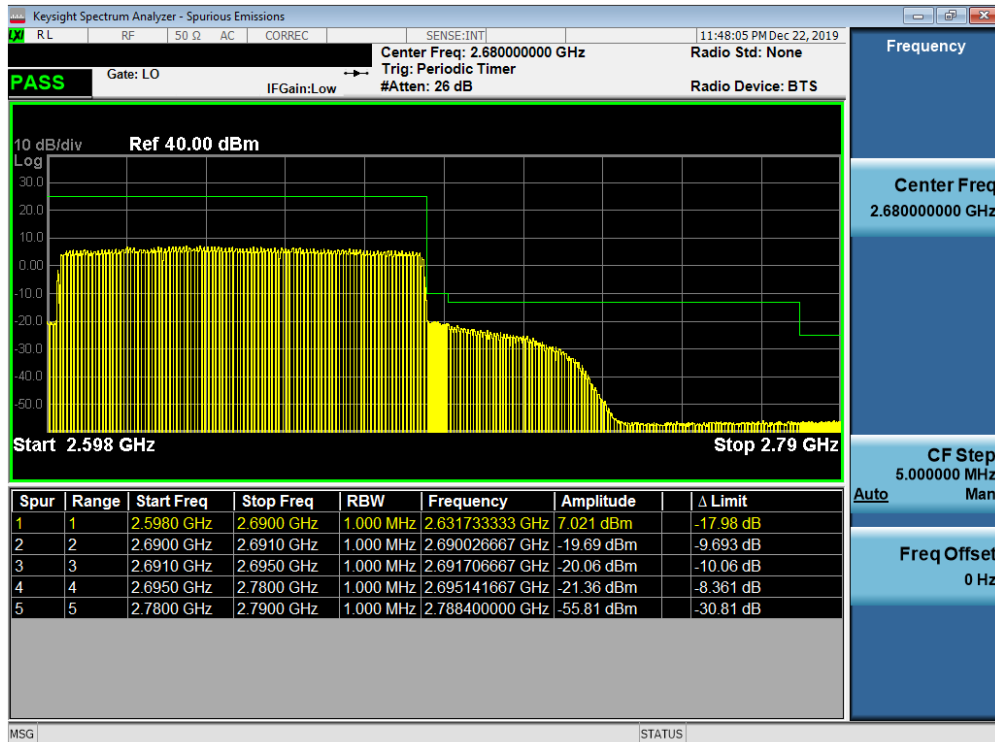


Plot 7-732. Upper ACP Plot (n41 (PC3) - 80MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 451 of 488

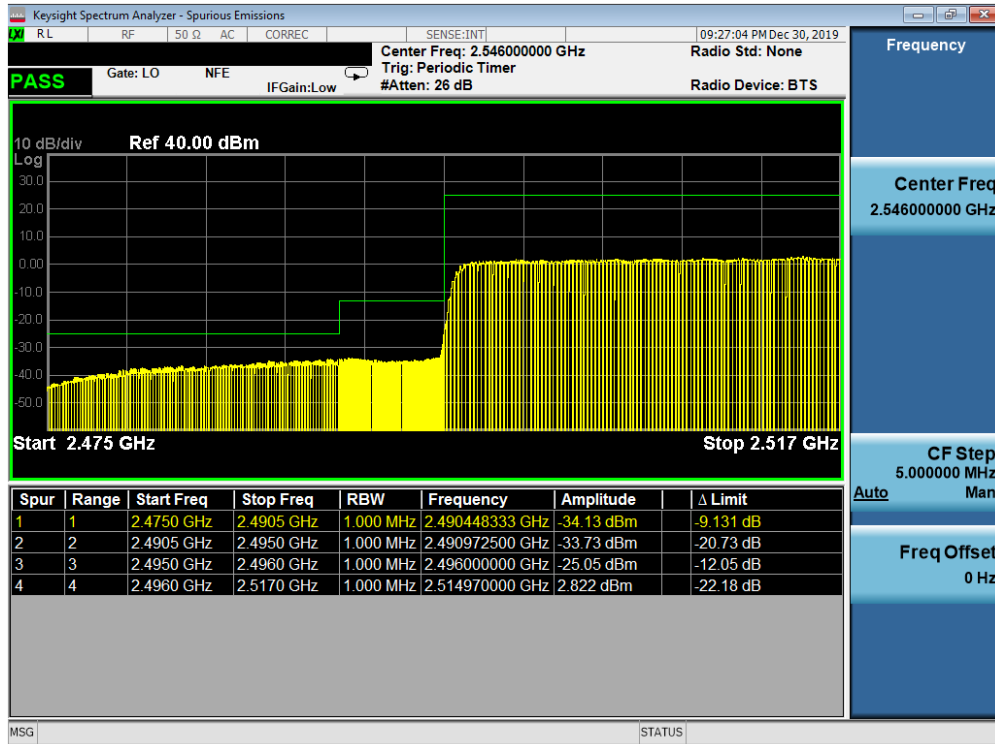


Plot 7-733. Lower ACP Plot at 2496 MHz (n41 (PC3) - 90MHz DFT-s-OFDM-QPSK - Full RB Configuration)

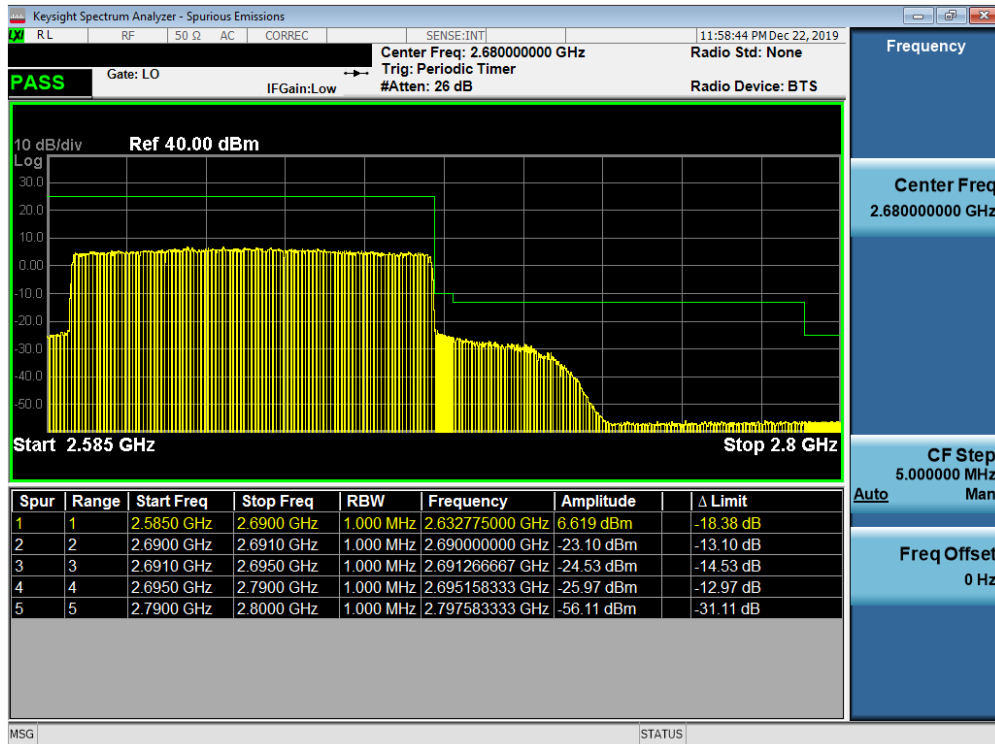


Plot 7-734. Upper ACP Plot (n41 (PC3) - 90MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 452 of 488		



Plot 7-735. Lower ACP Plot at 2496 MHz (n41 (PC3) - 100MHz DFT-s-OFDM-QPSK - Full RB Configuration)



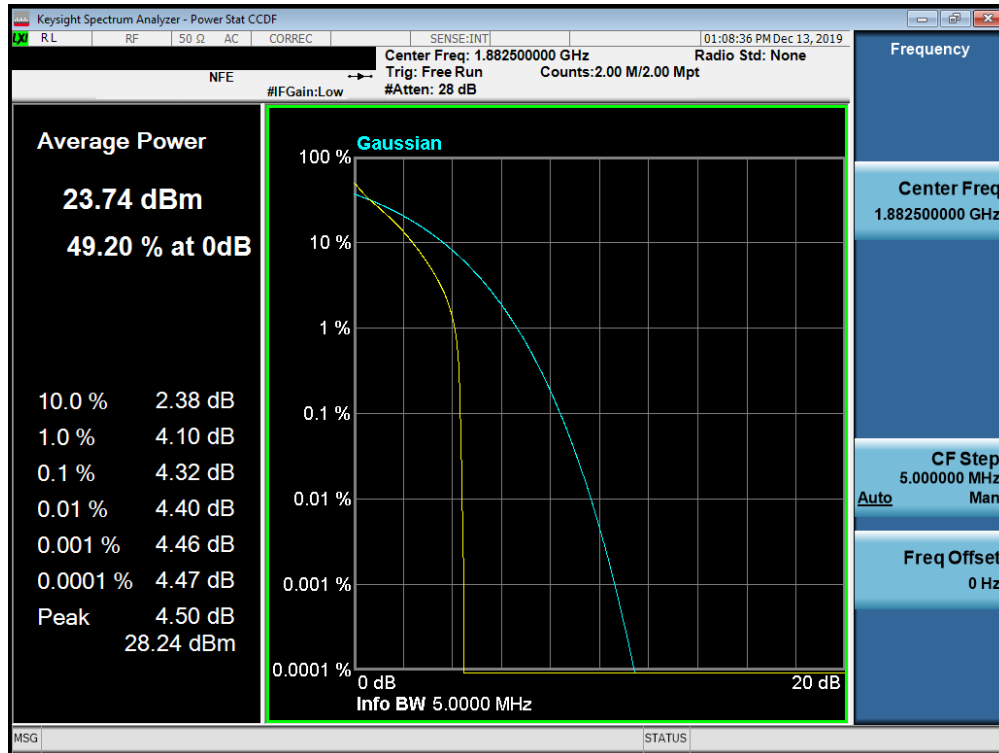
Plot 7-736. Upper ACP Plot (n41 (PC3) - 100MHz DFT-s-OFDM-QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset			Page 453 of 488

Peak-to-Average Ratio

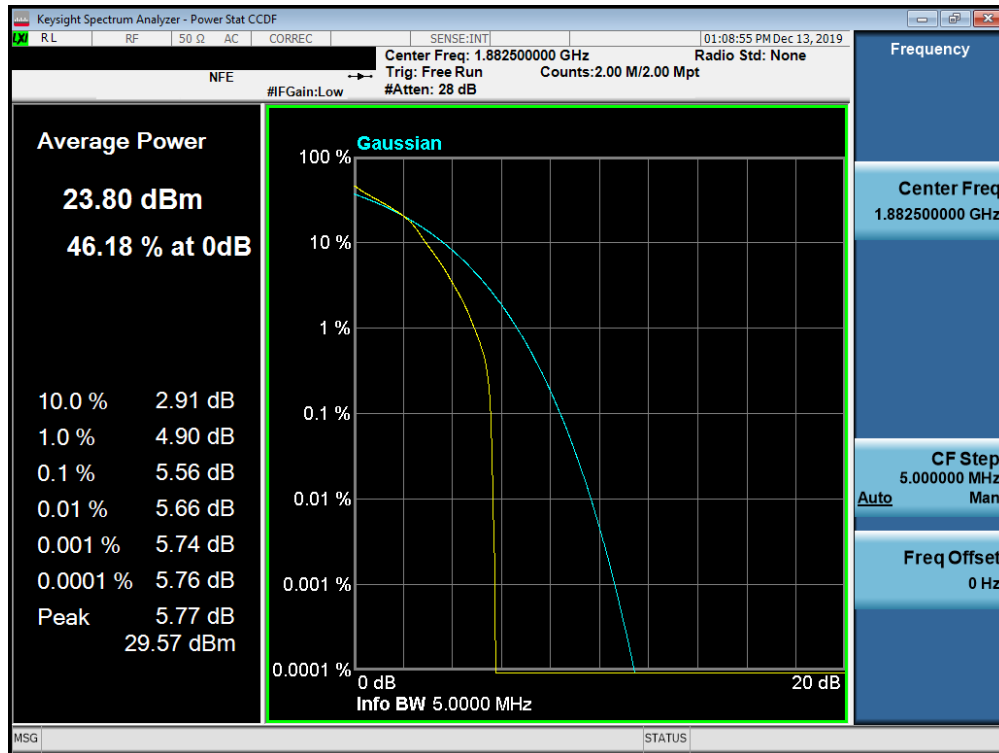
All SCS's and Waveforms (CP-OFDM vs DFT-s OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

NR Band n25/2

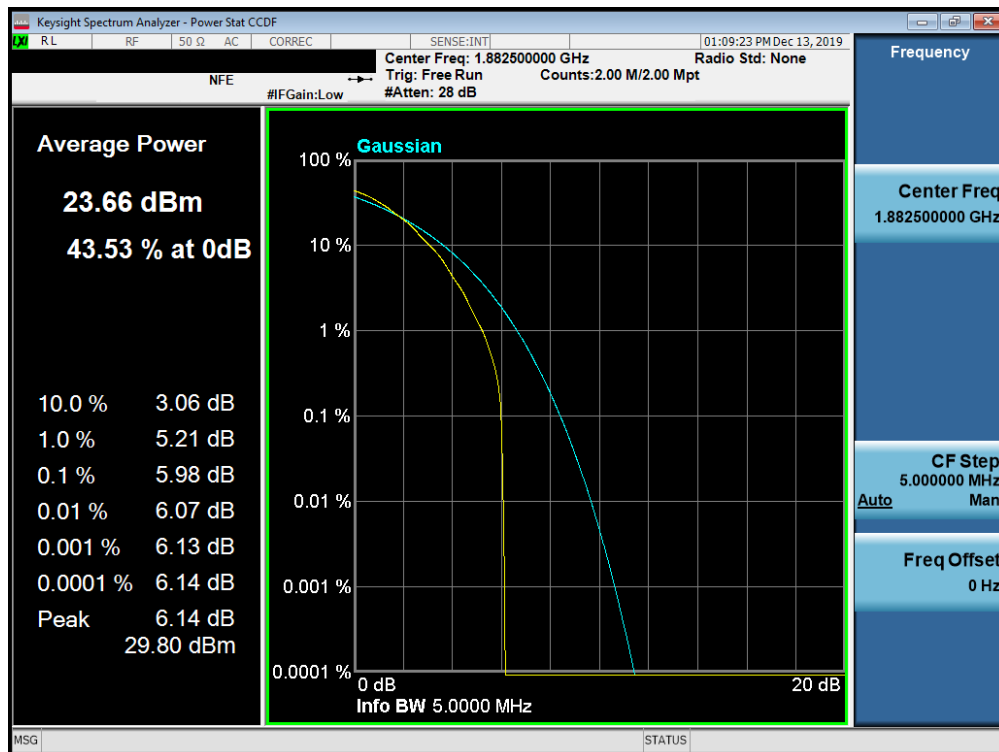


Plot 7-737. PAR Plot (Band n25/2 - 5.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 454 of 488

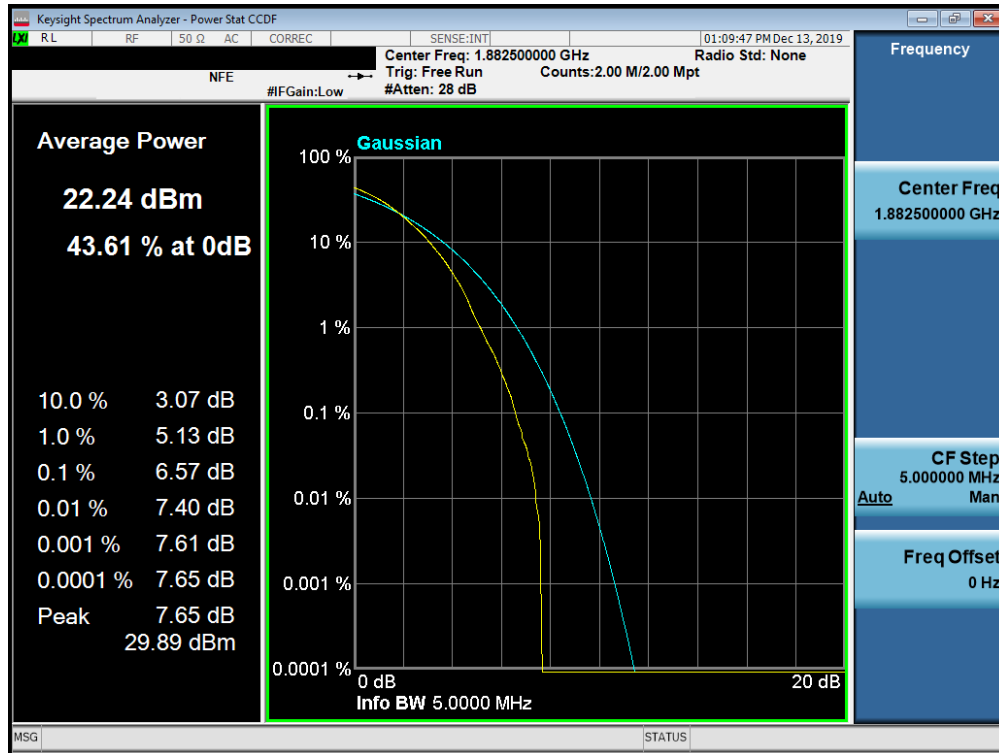


Plot 7-738. PAR Plot (Band n25/2 - 5.0MHz 16-QAM - Full RB Configuration)

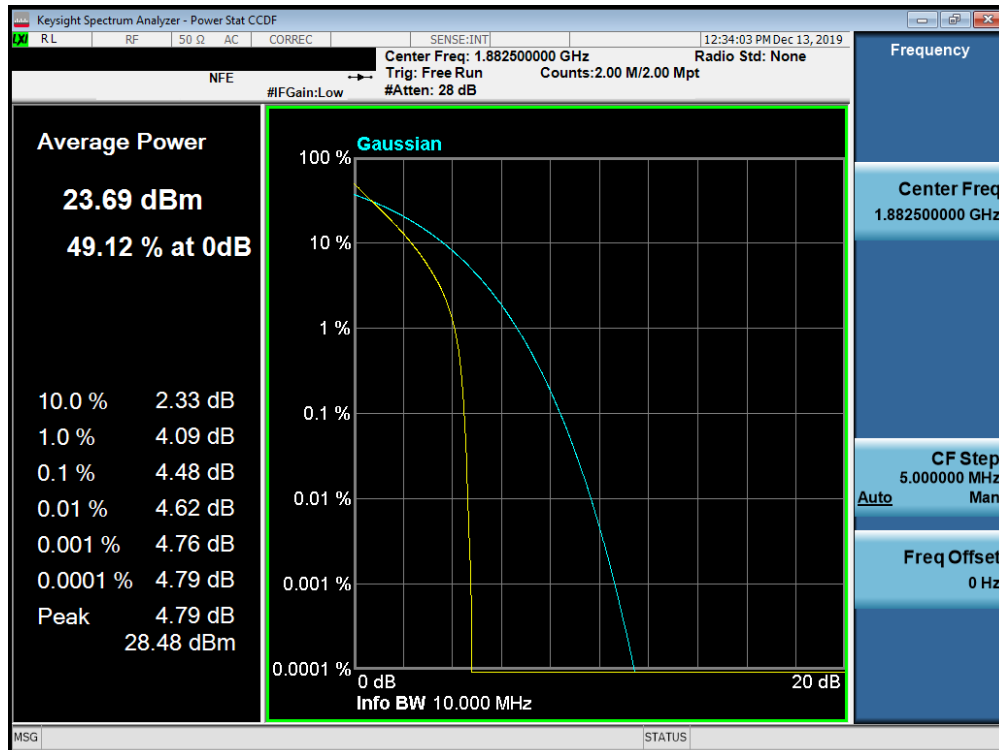


Plot 7-739. PAR Plot (Band n25/2 - 5.0MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 455 of 488

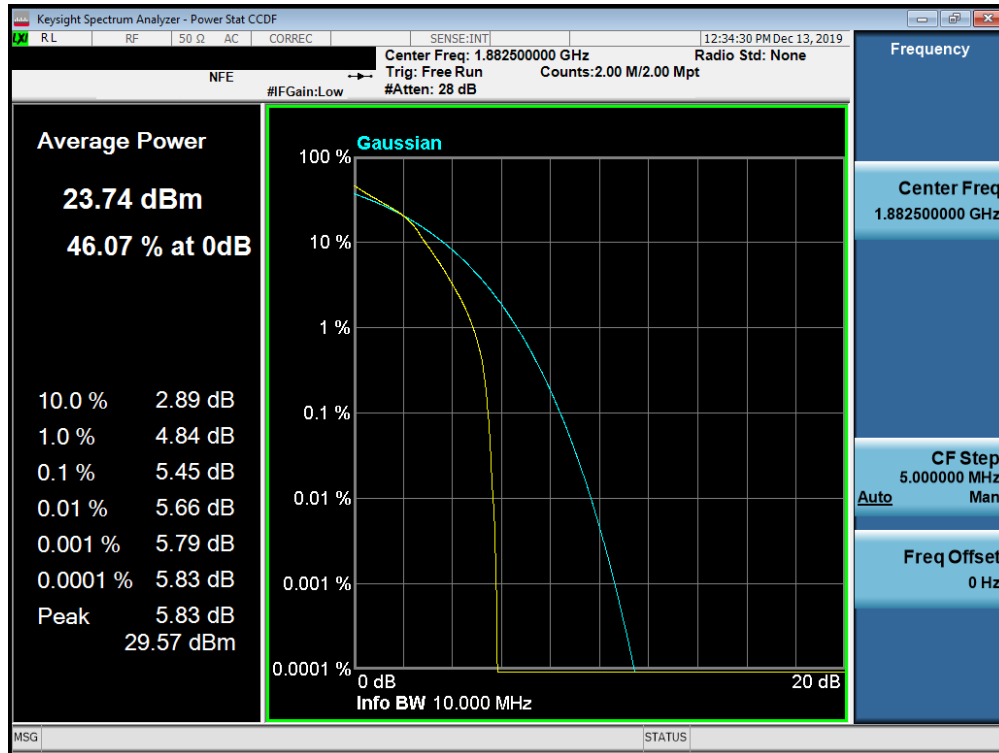


Plot 7-740. PAR Plot (Band n25/2 - 5.0MHz 256-QAM - Full RB Configuration)

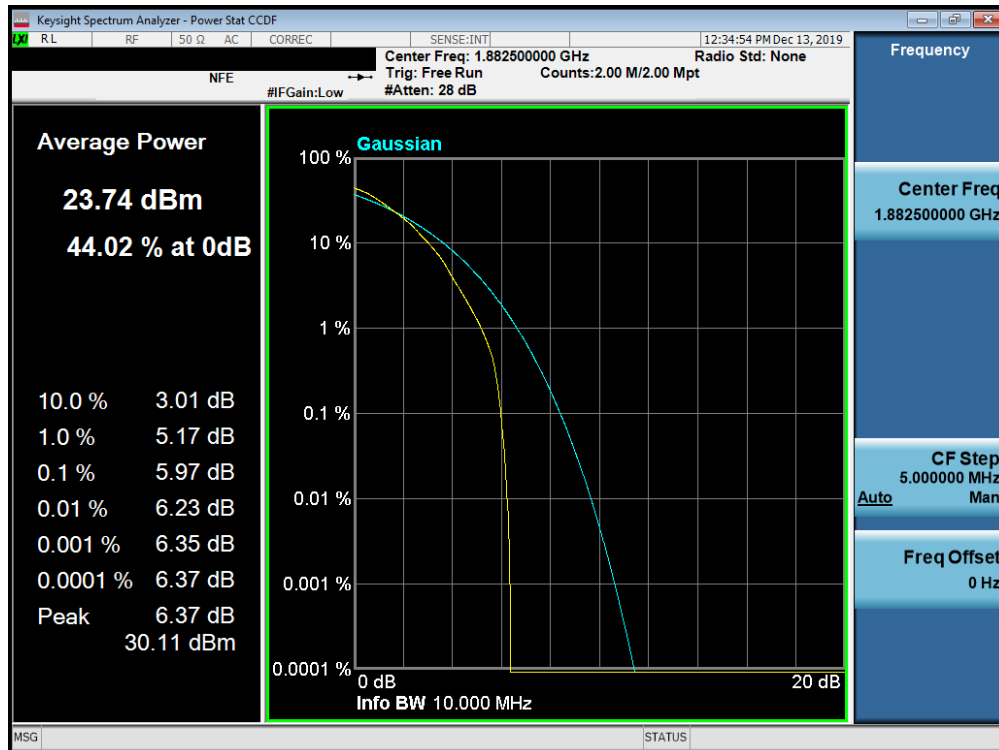


Plot 7-741. PAR Plot (Band n25/2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 456 of 488

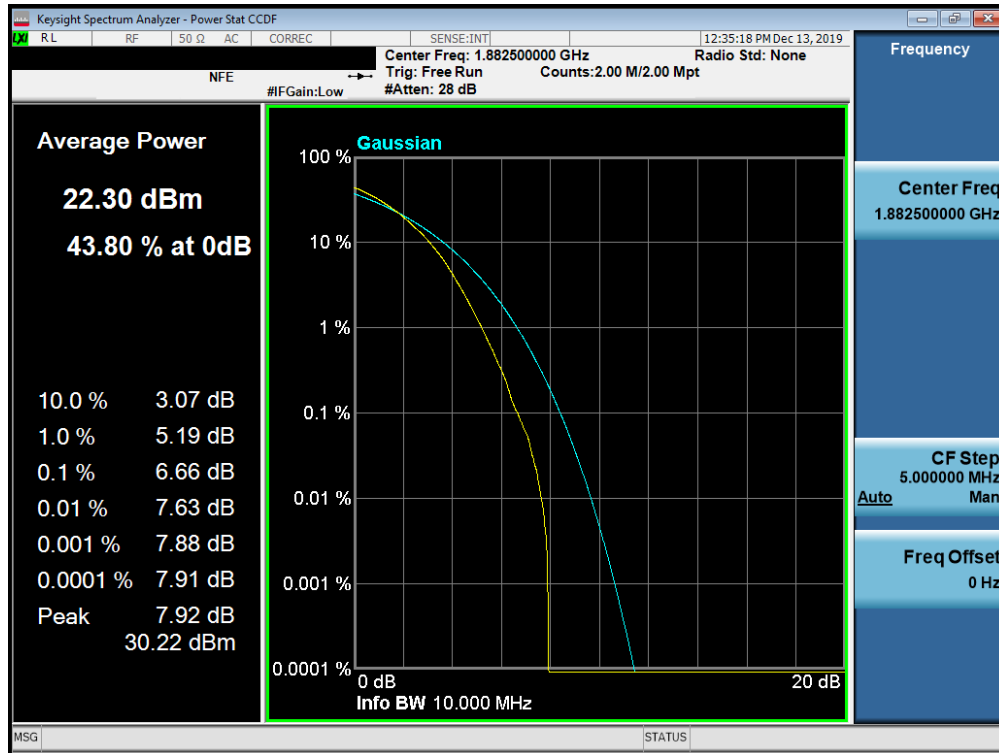


Plot 7-742. PAR Plot (Band n25/2 - 10.0MHz QAM - Full RB Configuration)

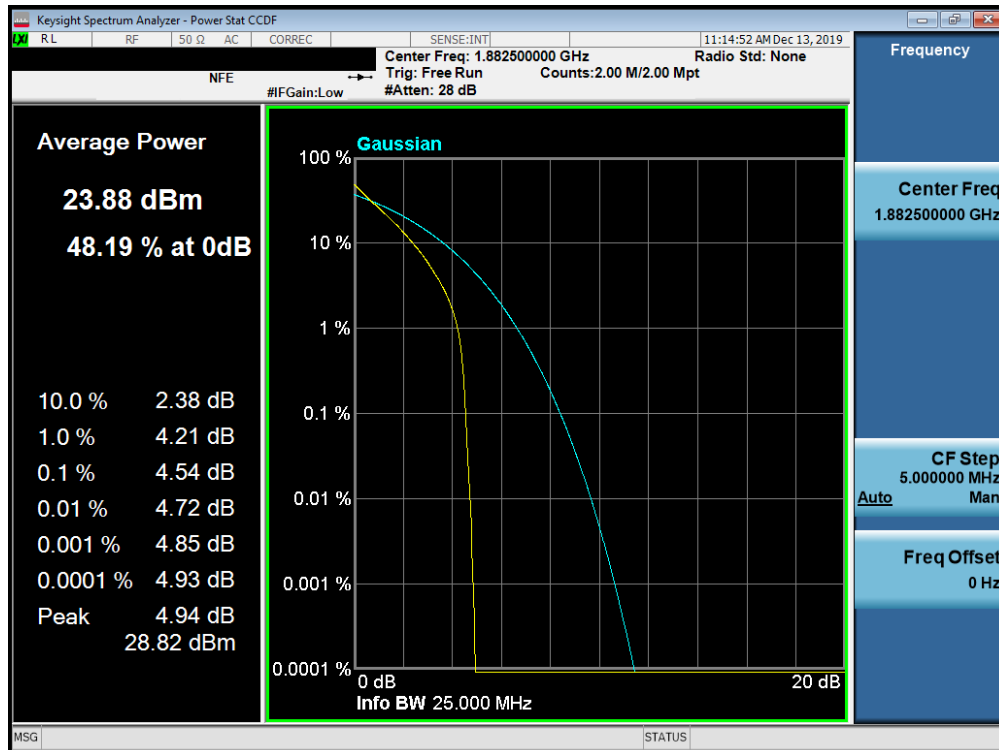


Plot 7-743. PAR Plot (Band n25/2 - 10.0MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 457 of 488

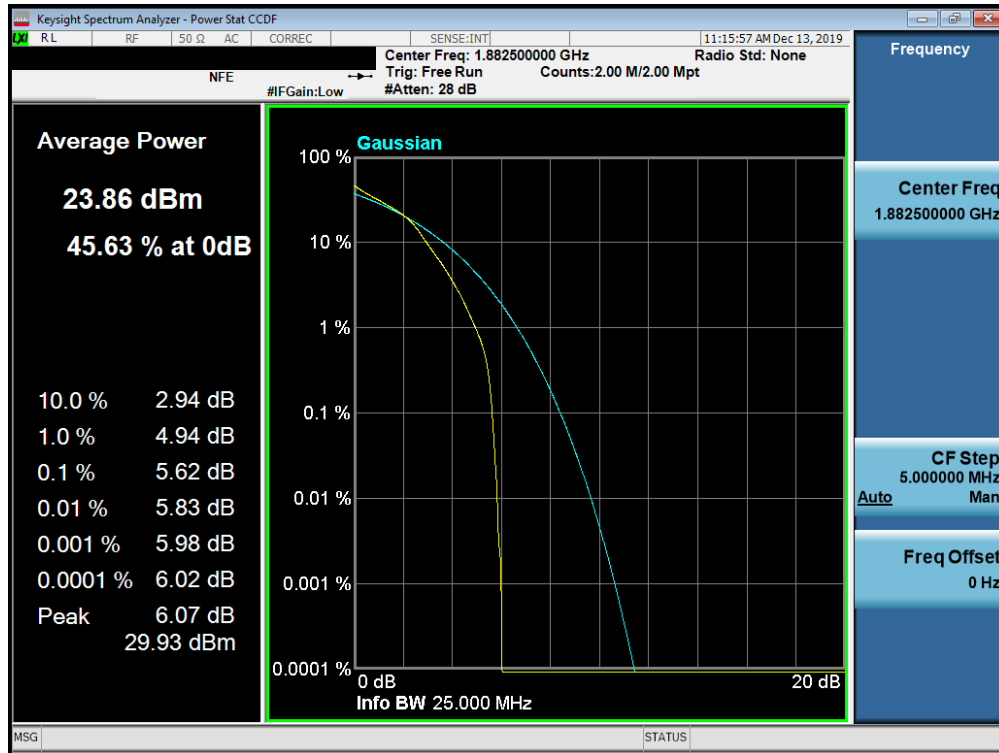


Plot 7-744. PAR Plot (Band n25/2 - 10.0MHz 256-QAM - Full RB Configuration)

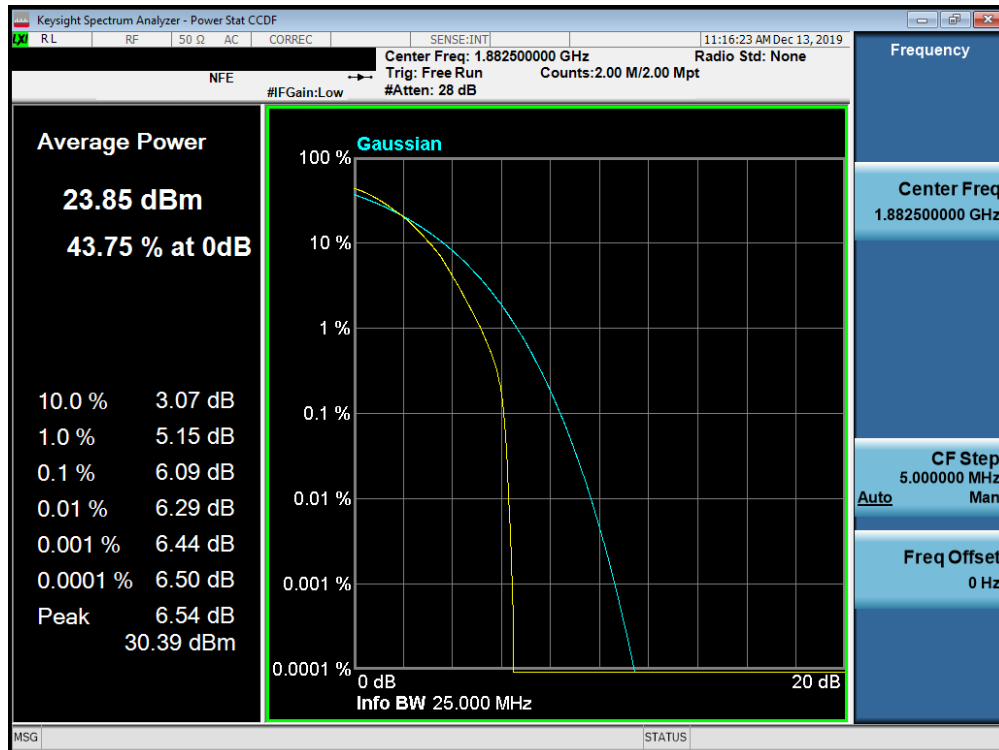


Plot 7-745. PAR Plot (Band n25/2 - 15.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 458 of 488

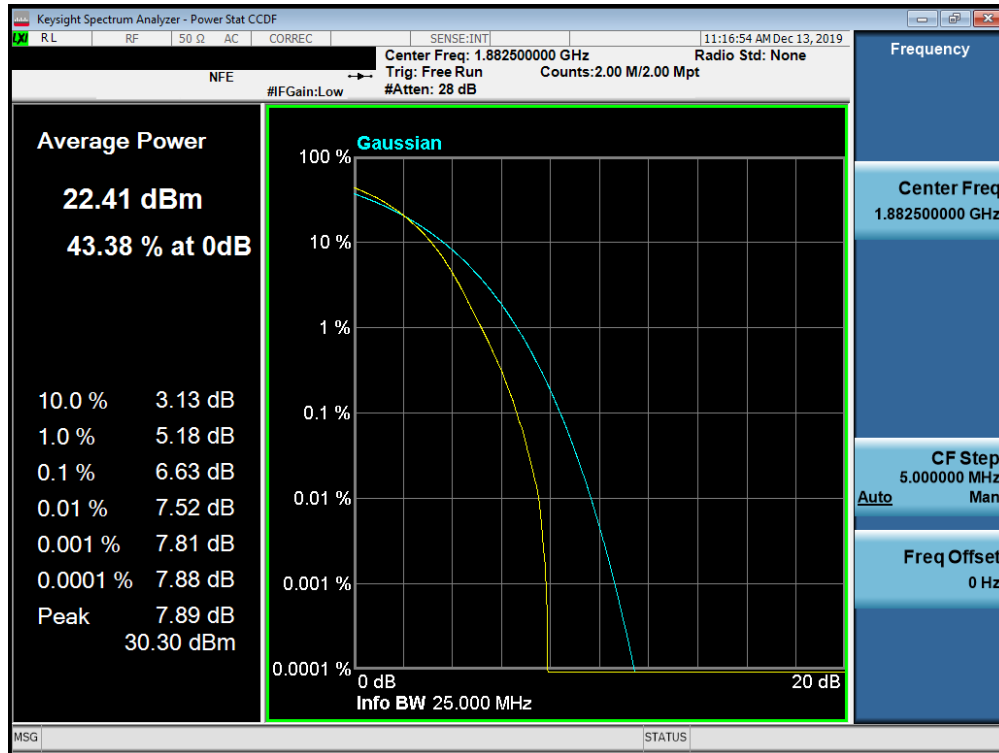


Plot 7-746. PAR Plot (Band n25/2 - 15.0MHz 16-QAM - Full RB Configuration)

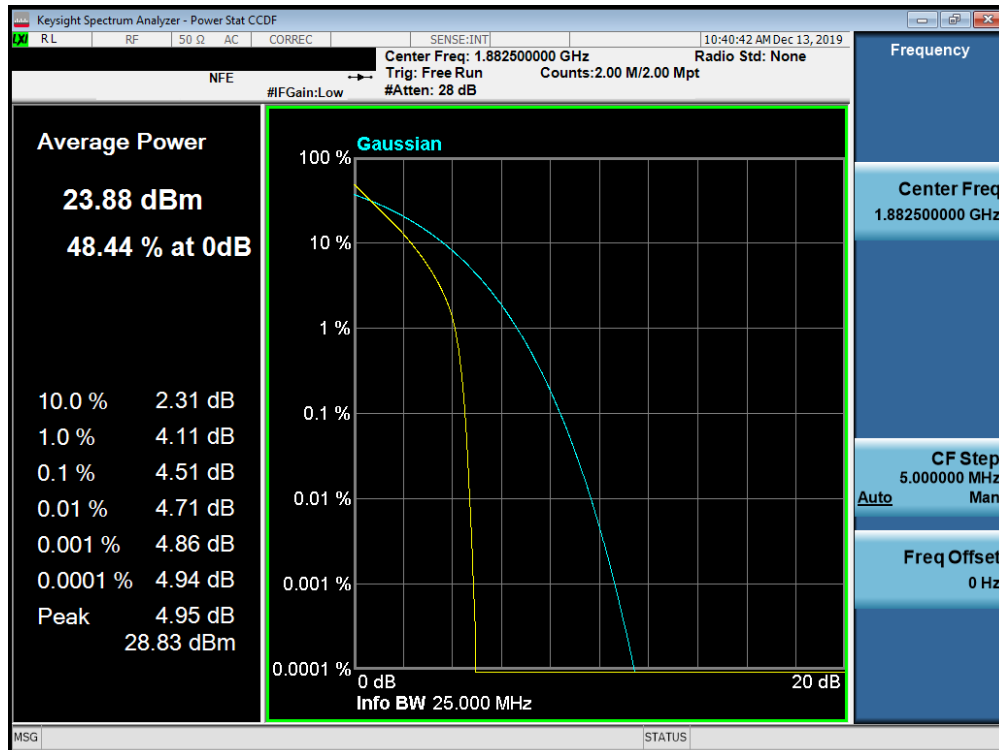


Plot 7-747. PAR Plot (Band n25/2 - 15.0MHz 64-QAM - Full RB Configuration)

FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 459 of 488

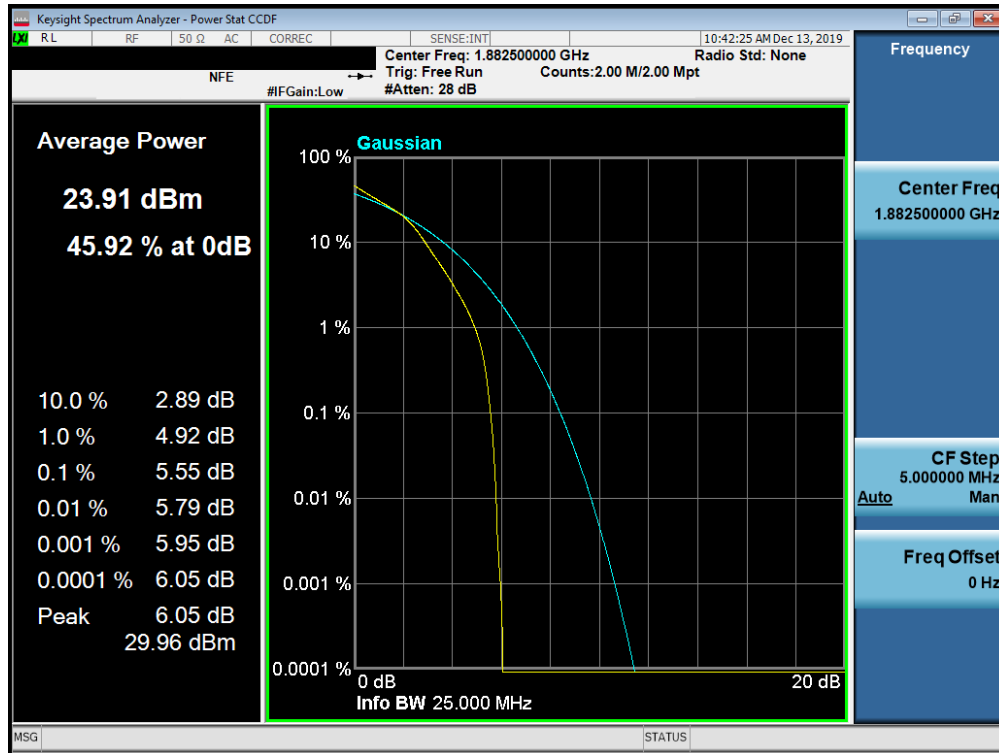


Plot 7-748. PAR Plot (Band n25/2 - 15.0MHz 256-QAM - Full RB Configuration)

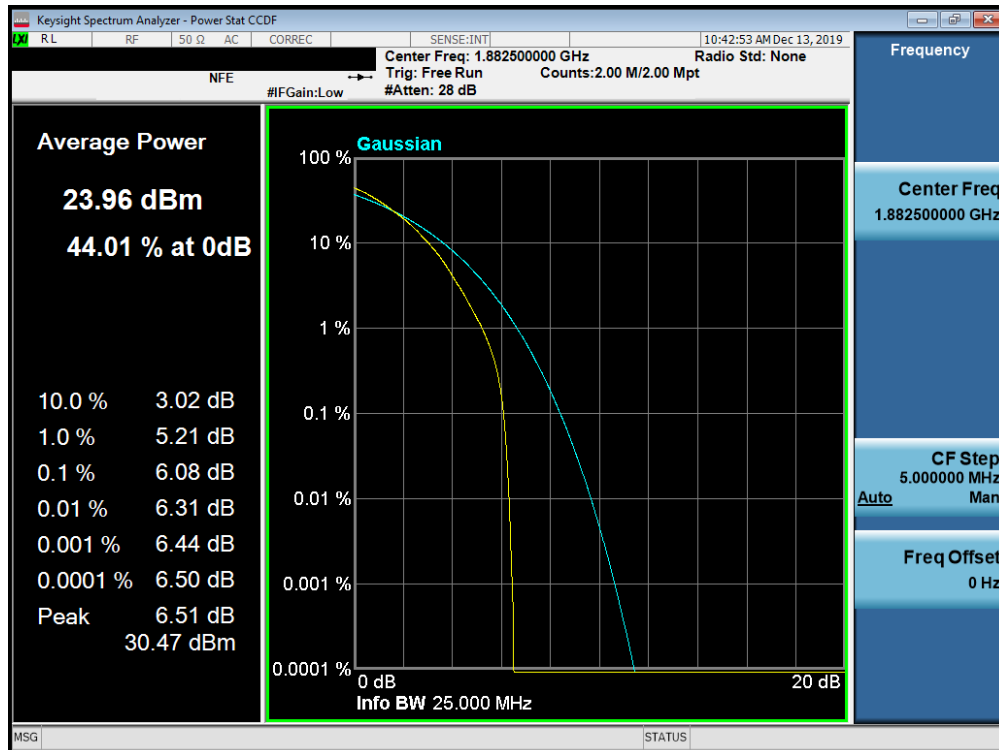


Plot 7-749. PAR Plot (Band n25/2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 460 of 488

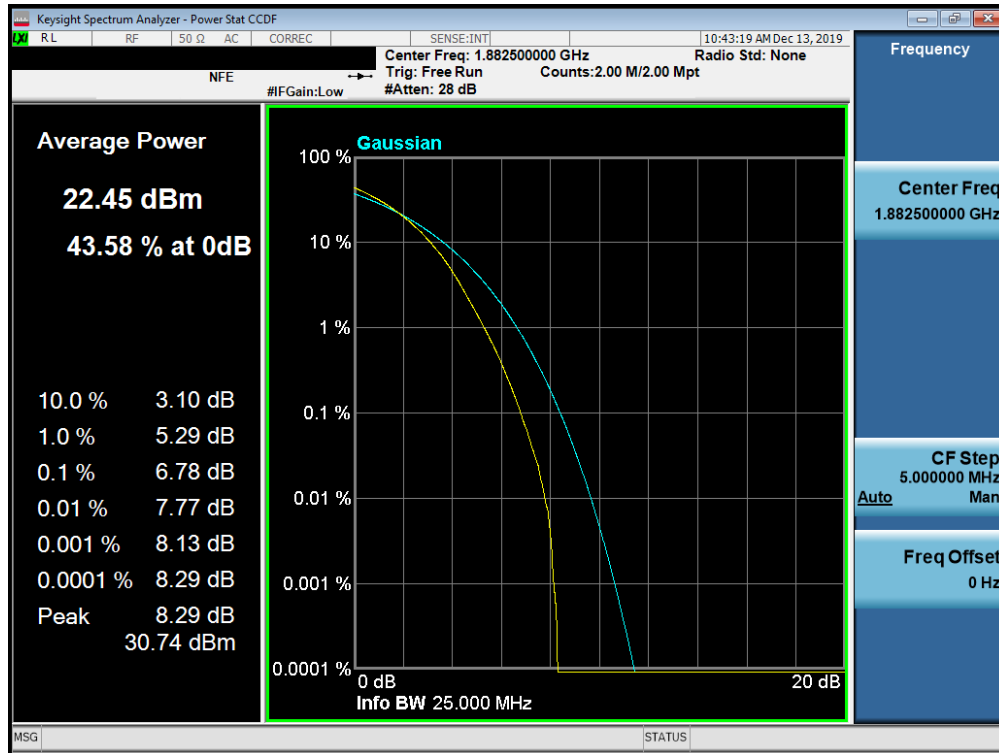


Plot 7-750. PAR Plot (Band n25/2 - 20.0MHz 16-QAM - Full RB Configuration)



Plot 7-751. PAR Plot (Band n25/2 - 20.0MHz 64-QAM - Full RB Configuration)

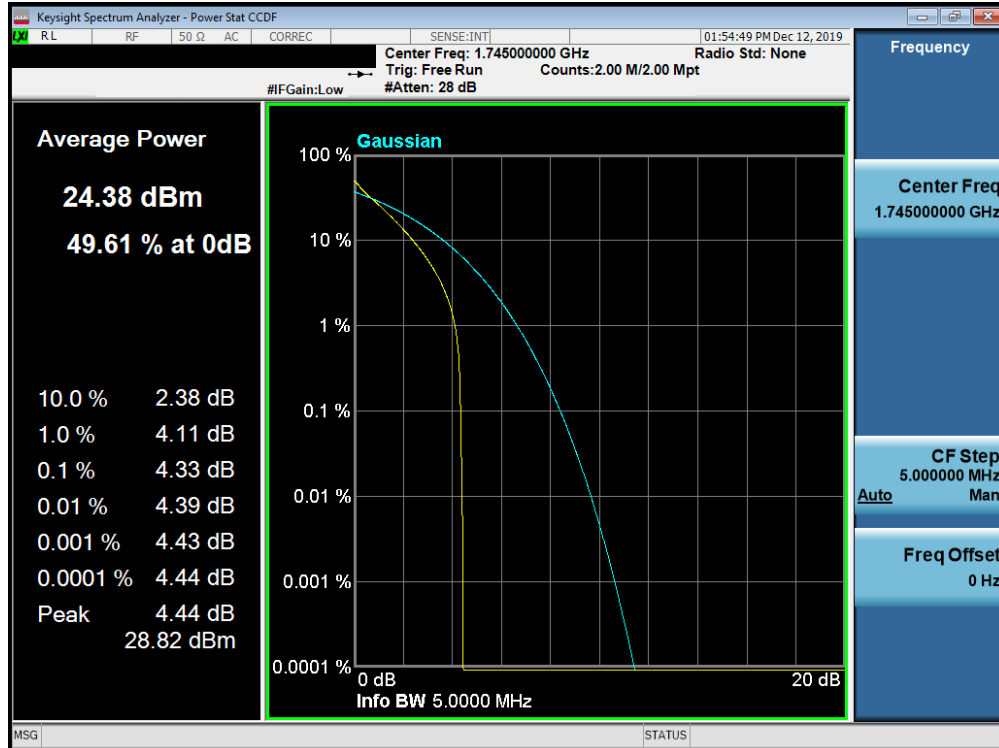
FCC ID: ZNFV600TM	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset		Page 461 of 488



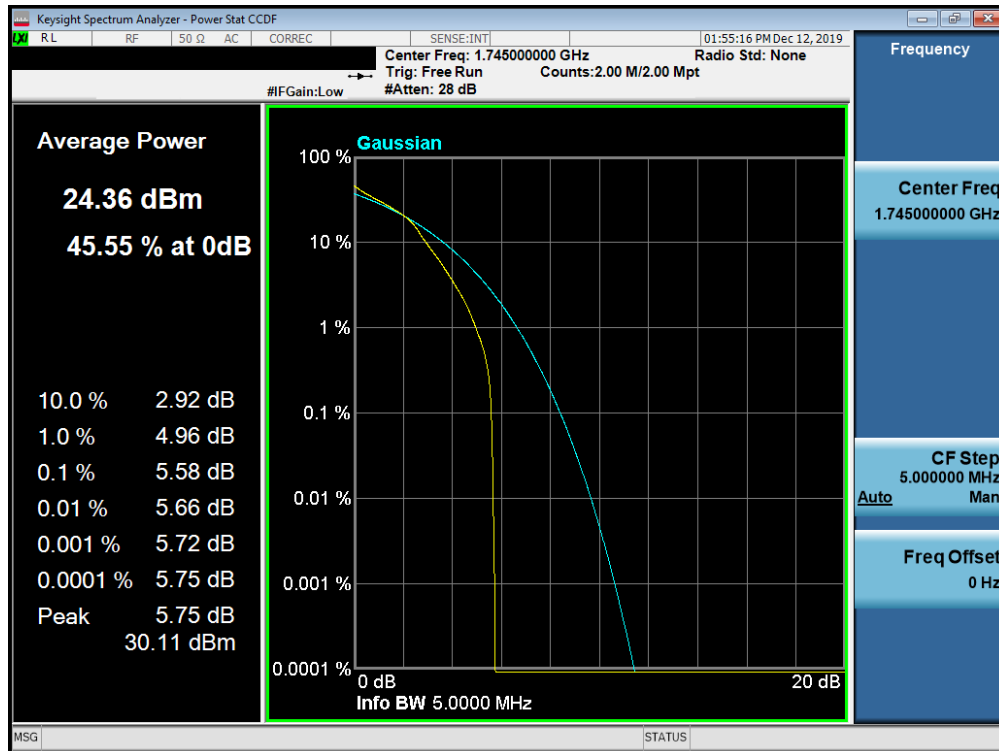
Plot 7-752. PAR Plot (Band n25/2 - 20.0MHz 256-QAM - Full RB Configuration)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3.ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 462 of 488

NR Band n66



Plot 7-753. PAR Plot (Band n66 - 5.0MHz QPSK - Full RB Configuration)



Plot 7-754. PAR Plot (Band n66 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: ZNFV600TM	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1911250198-03-R3-ZNF	Test Dates: 11/26/2019 - 1/19/2020	EUT Type: Portable Handset	Page 463 of 488