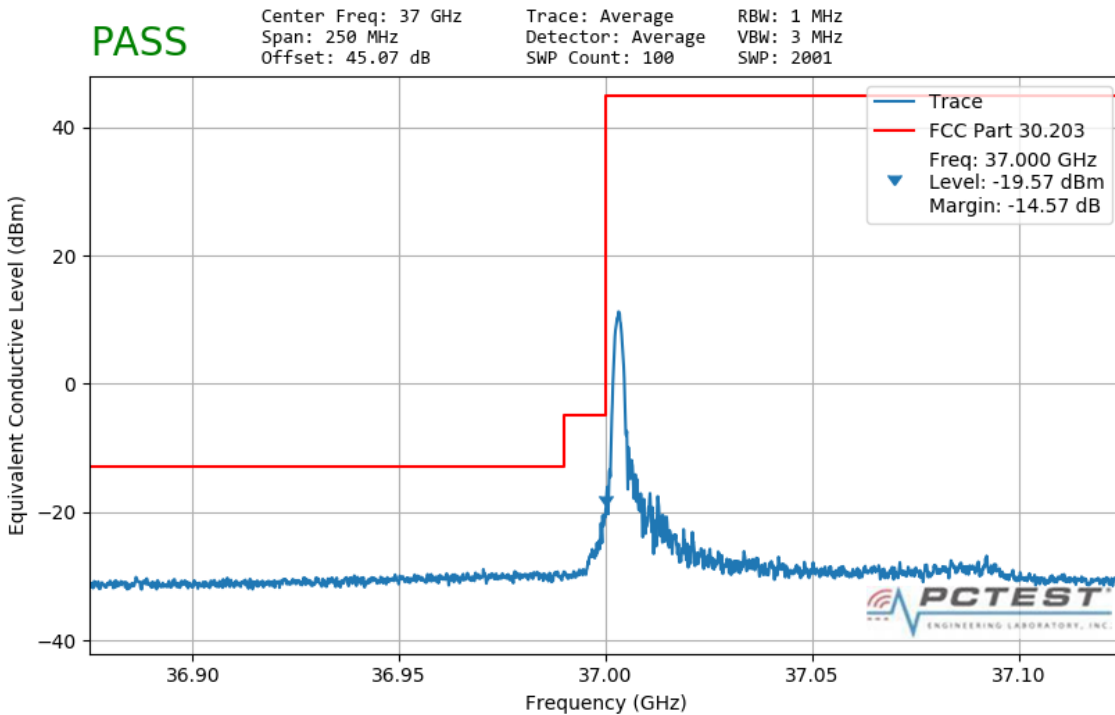
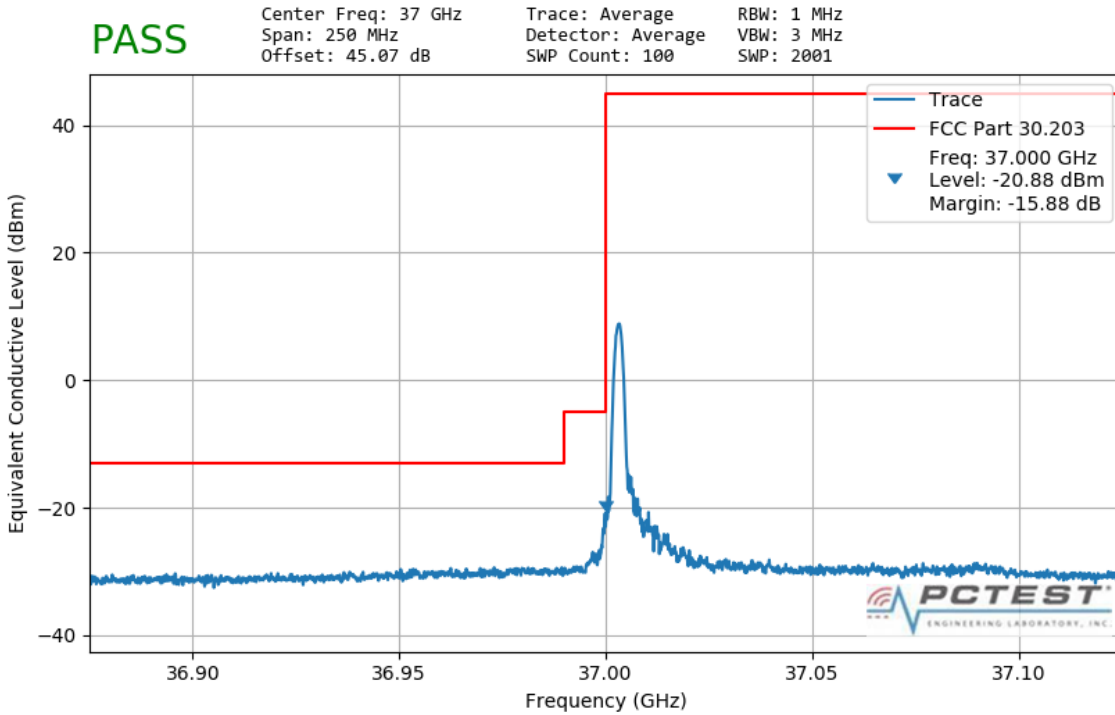


**Plot 7-285. Band Edge Plot (1CC 100M QPSK Low Channel – 1 RB 0 offset)**

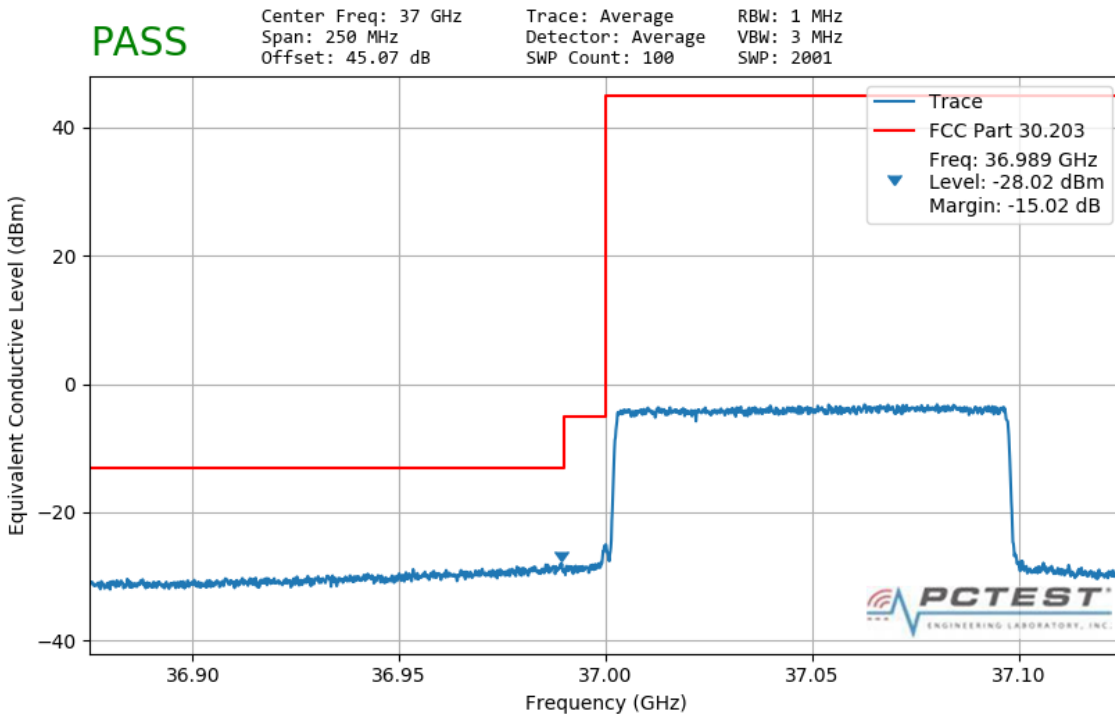


**Plot 7-286. Band Edge Plot (1CC 100M 16QAM Low Channel – 1 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 179 of 202

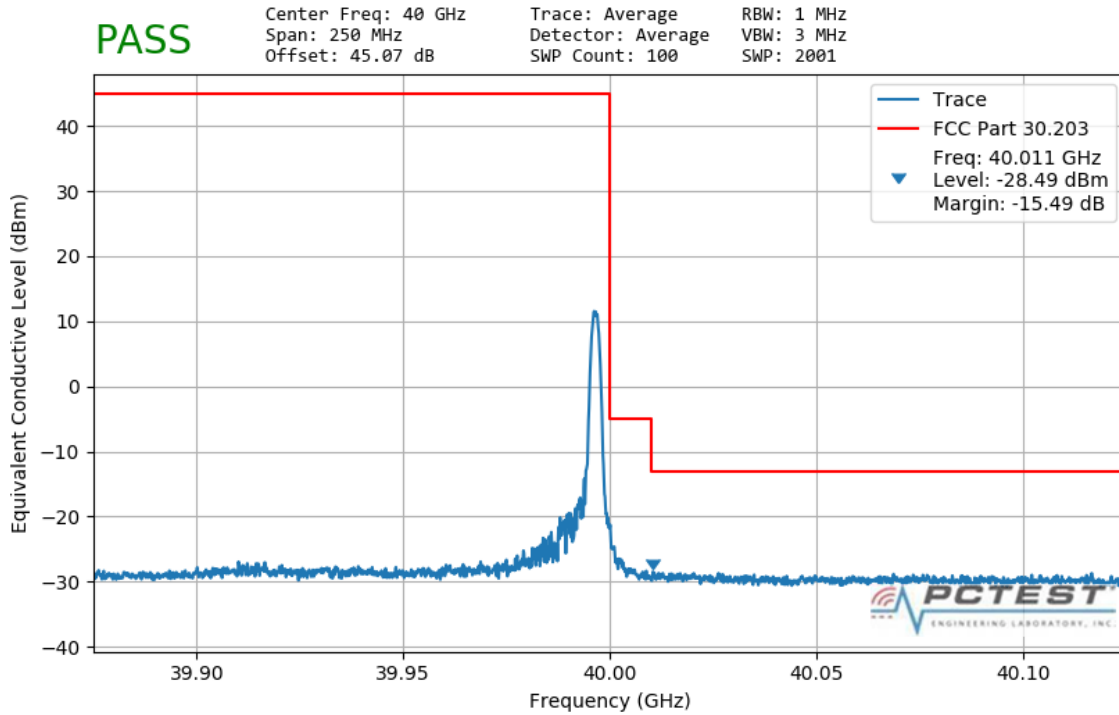


**Plot 7-287. Band Edge Plot (1CC 100M 64QAM Low Channel – 1 RB 0 offset)**

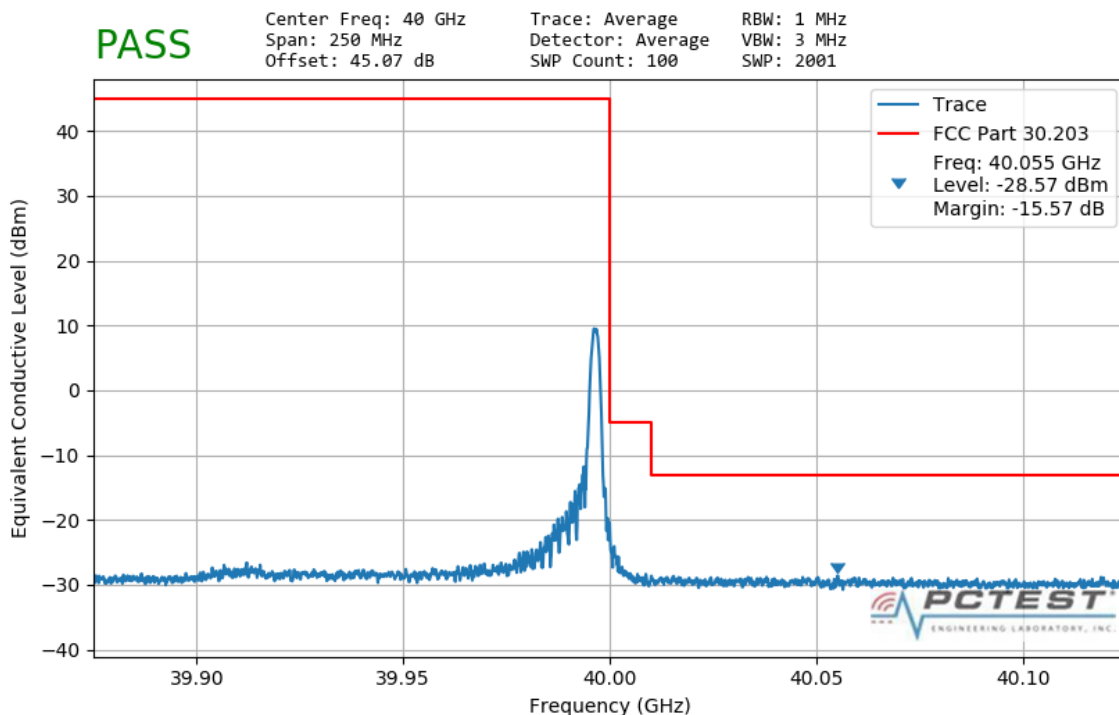


**Plot 7-288. Band Edge Plot (1CC 100M QPSK Low Channel – 32 RB 0 offset)**

FCC ID: ZNFV450VM	<b>PCTEST</b> ENGINEERING LABORATORY, INC.	<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 180 of 202

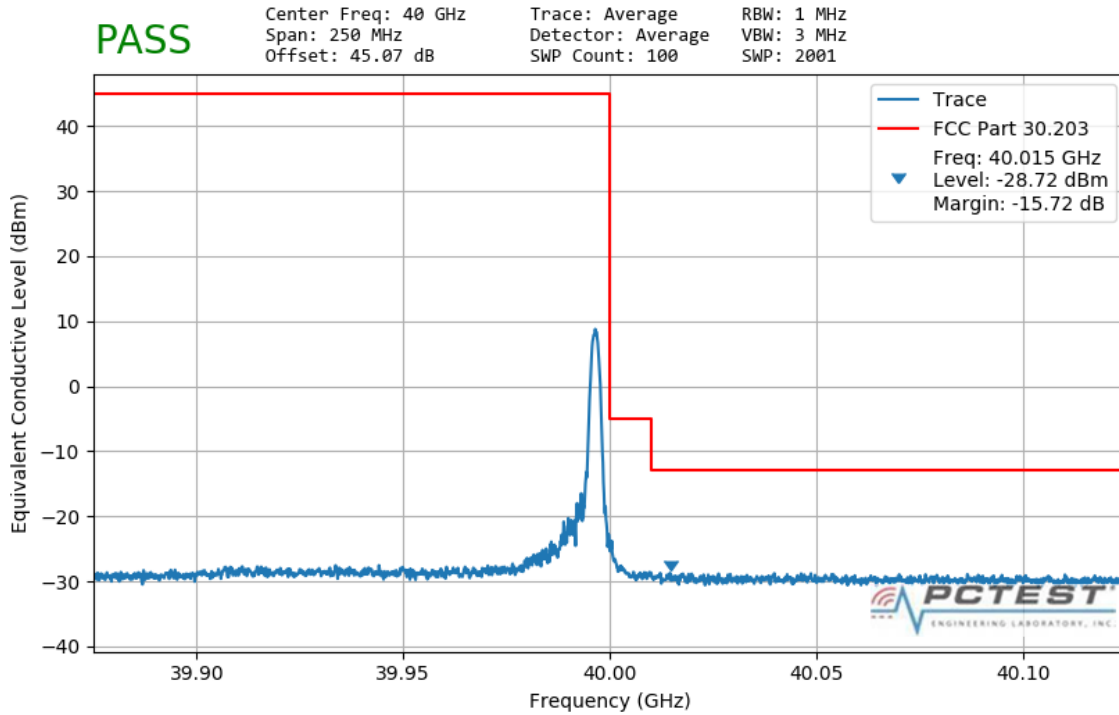


**Plot 7-289. Band Edge Plot (1CC 100M QPSK Hi Channel- 1 RB 65 offset)**

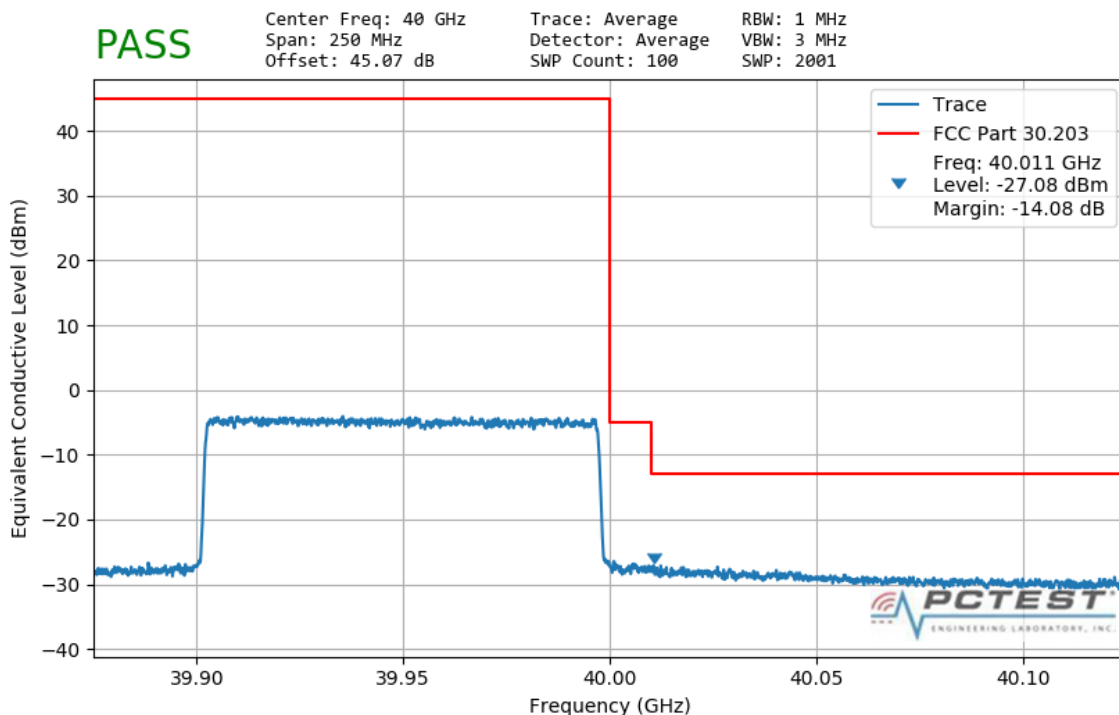


**Plot 7-290. Band Edge Plot (1CC 100M 16QAM Hi Channel- 1 RB 65 offset)**

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 181 of 202



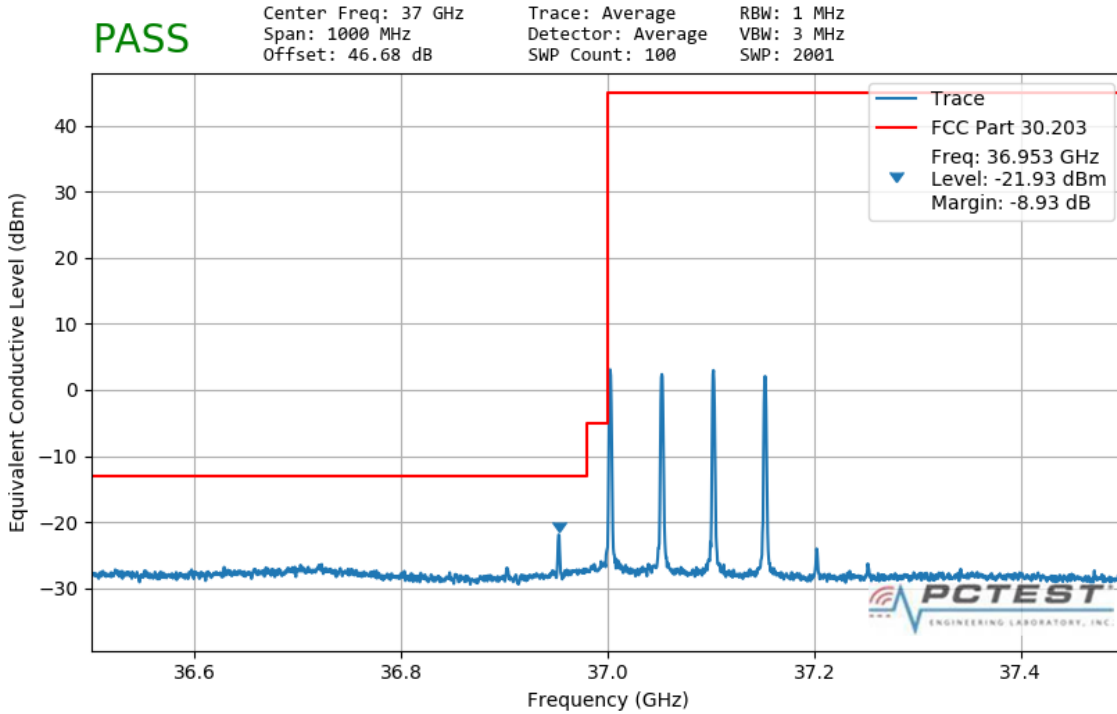
**Plot 7-291. Band Edge Plot (1CC 100M 64QAM Hi Channel – 1 RB 65 offset)**



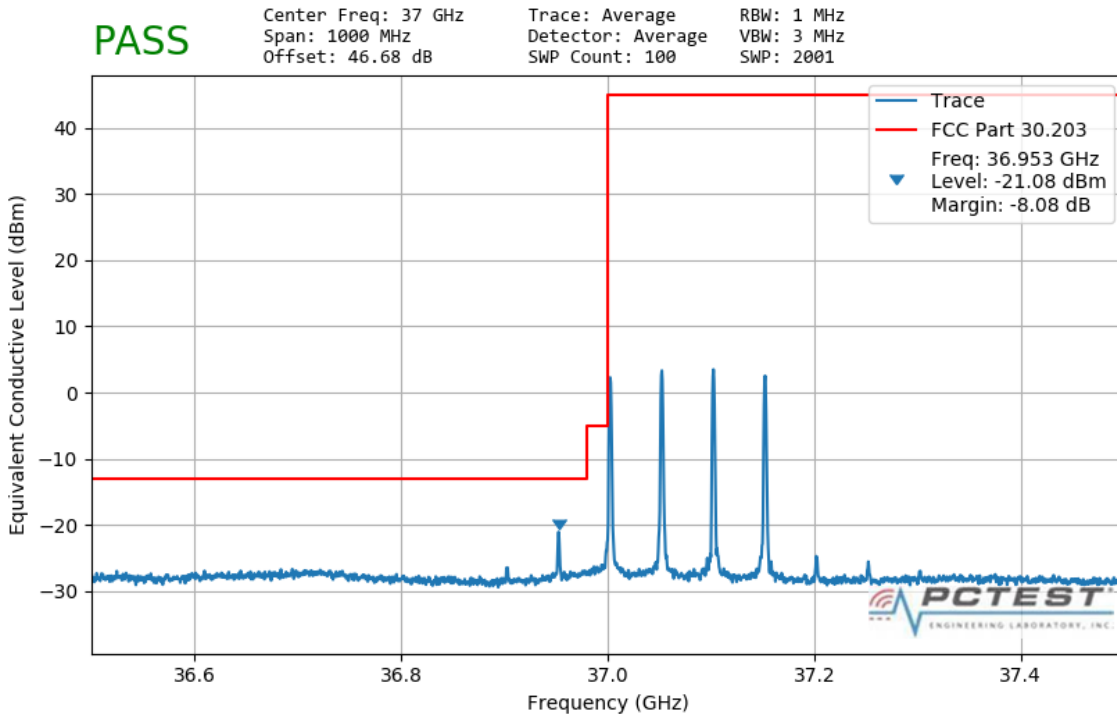
**Plot 7-292. Band Edge Plot (1CC 100M QPSK Hi Channel- 32 RB 65 offset)**

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 182 of 202

### 7.5.8 N260 4CC 50MHz Bandwidth Band Edges QTM 0 - H + V

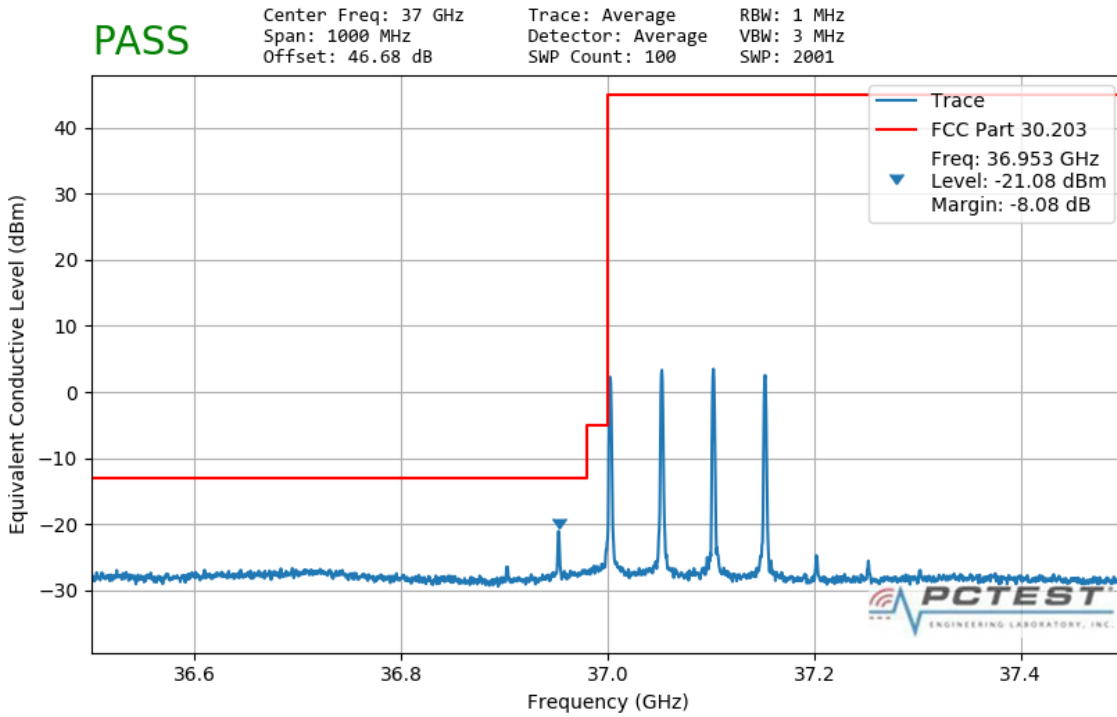


Plot 7-293. Band Edge Plot (4CC 50M QPSK Low Channel – 1 RB 0 offset)

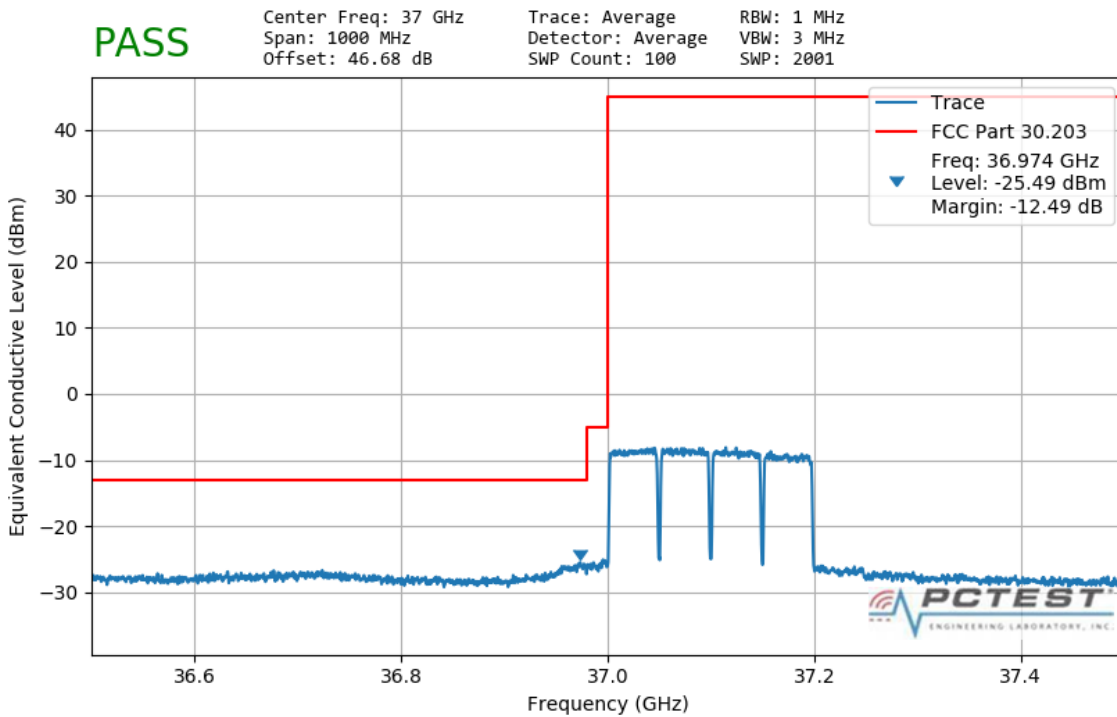


Plot 7-294. Band Edge Plot (4CC 50M 16QAM Low Channel – 1 RB 0 offset)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 183 of 202

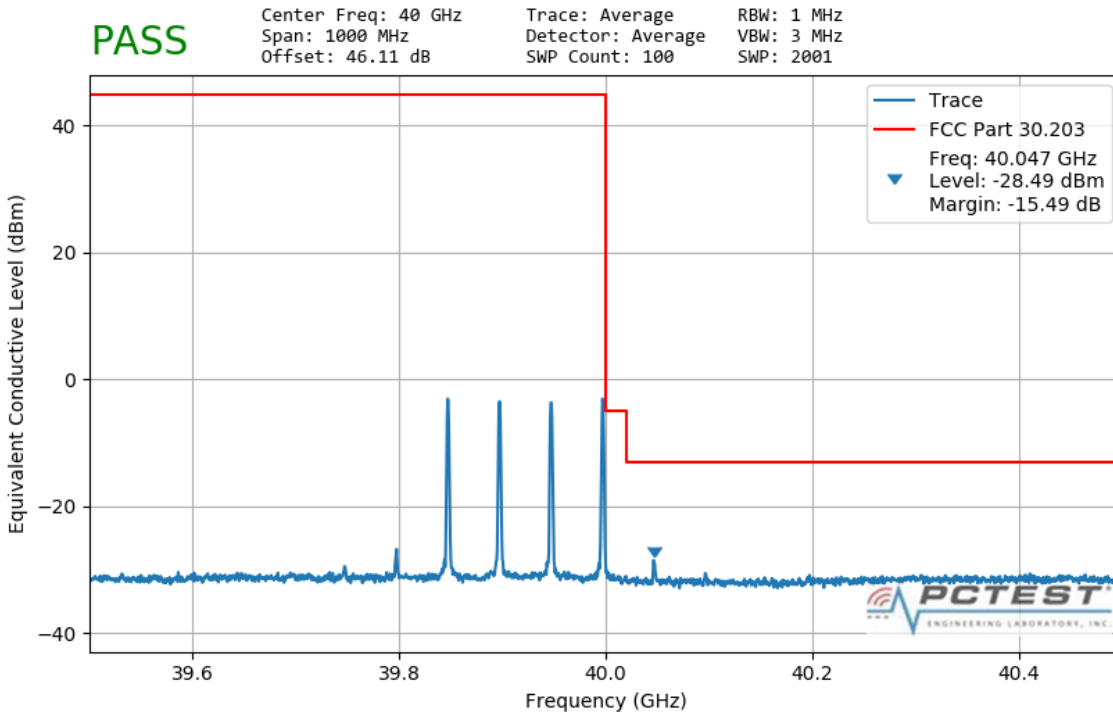


**Plot 7-295. Band Edge Plot (4CC 50M 64QAM Low Channel – 1 RB 0 offset)**

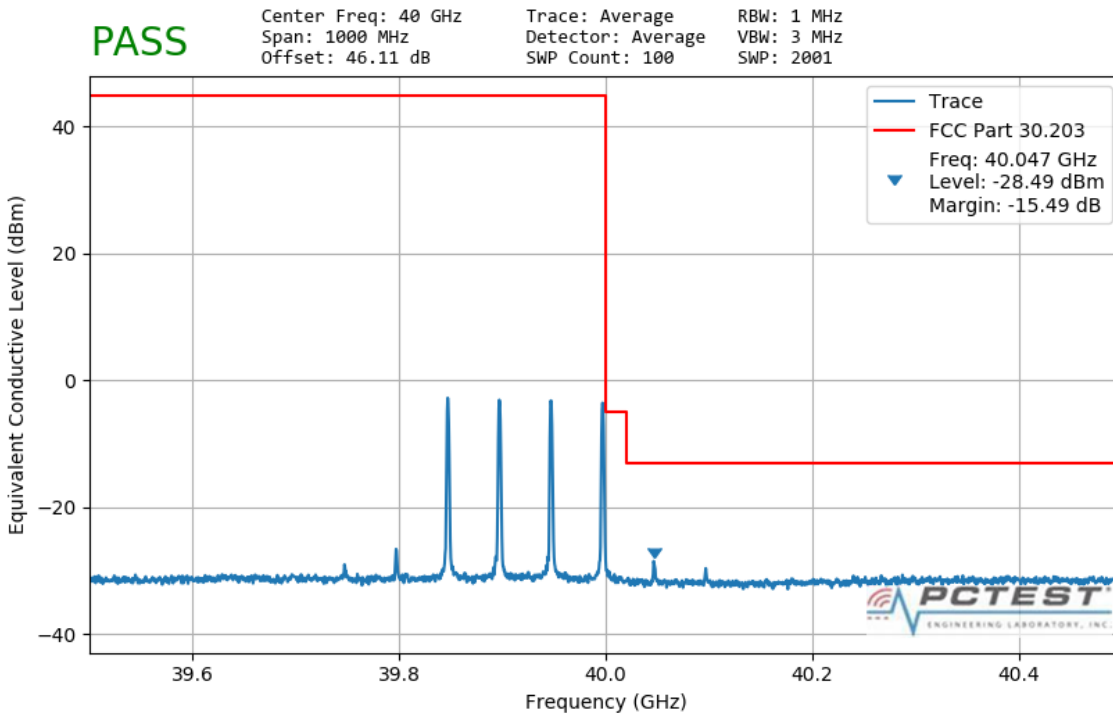


**Plot 7-296. Band Edge Plot (4CC 50M QPSK Low Channel – 32 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 184 of 202

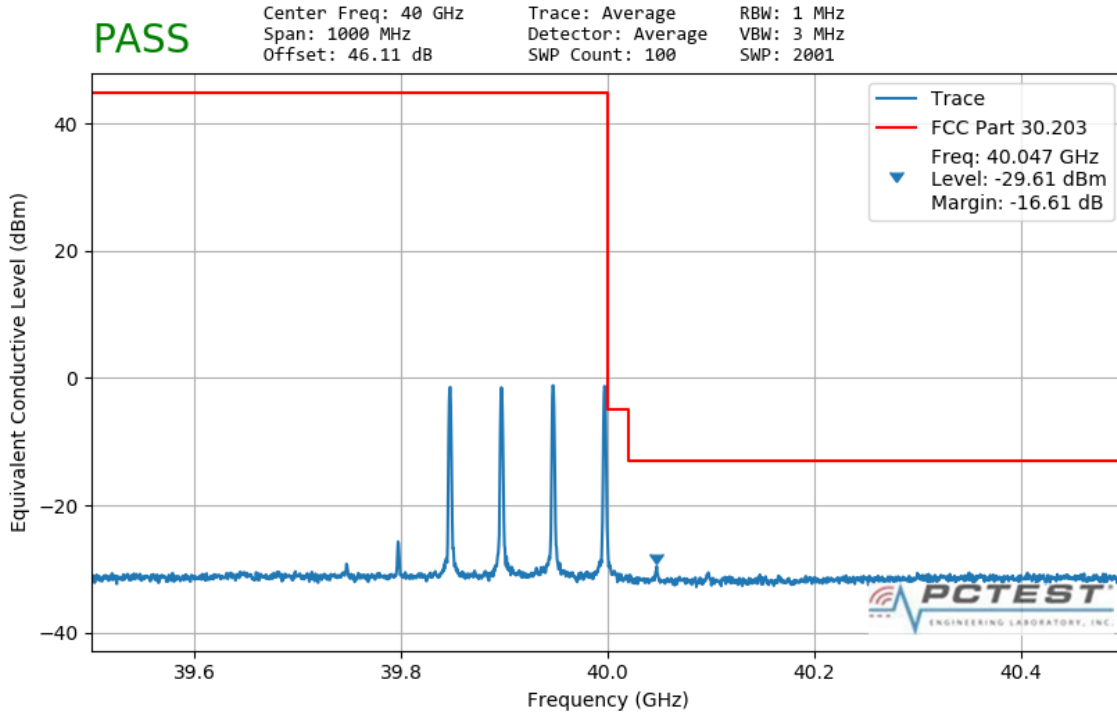


**Plot 7-297. Band Edge Plot (4CC 50M QPSK Hi Channel- 1 RB 0 offset)**

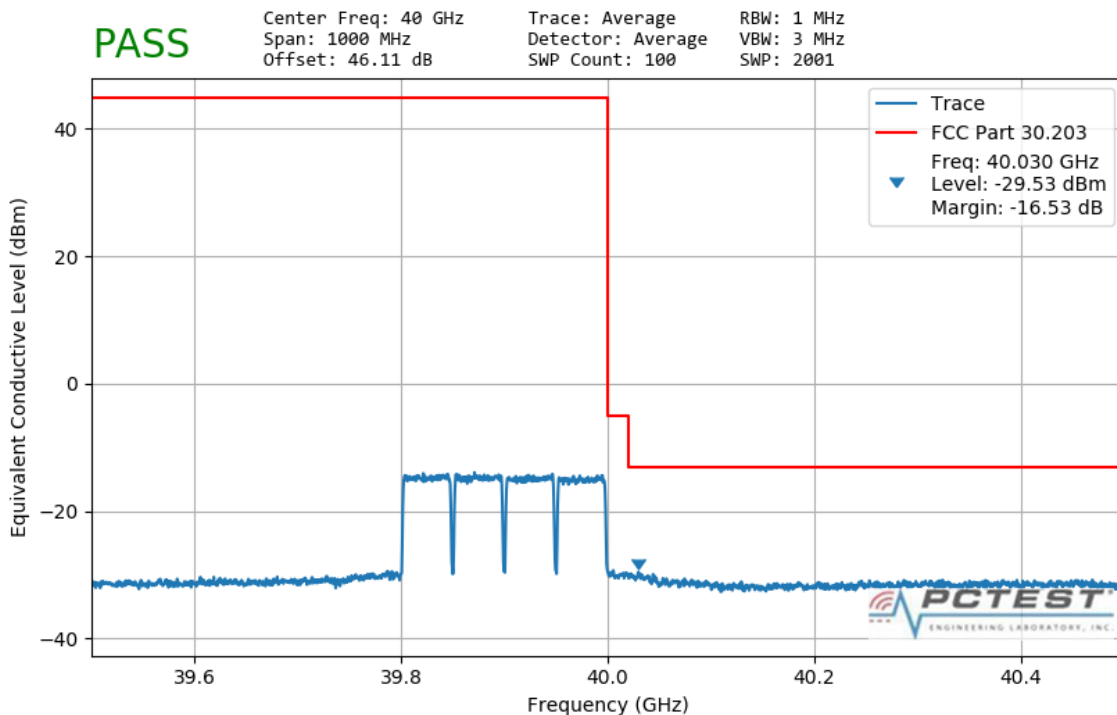


**Plot 7-298. Band Edge Plot (4CC 50M 16QAM Hi Channel- 1 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 185 of 202



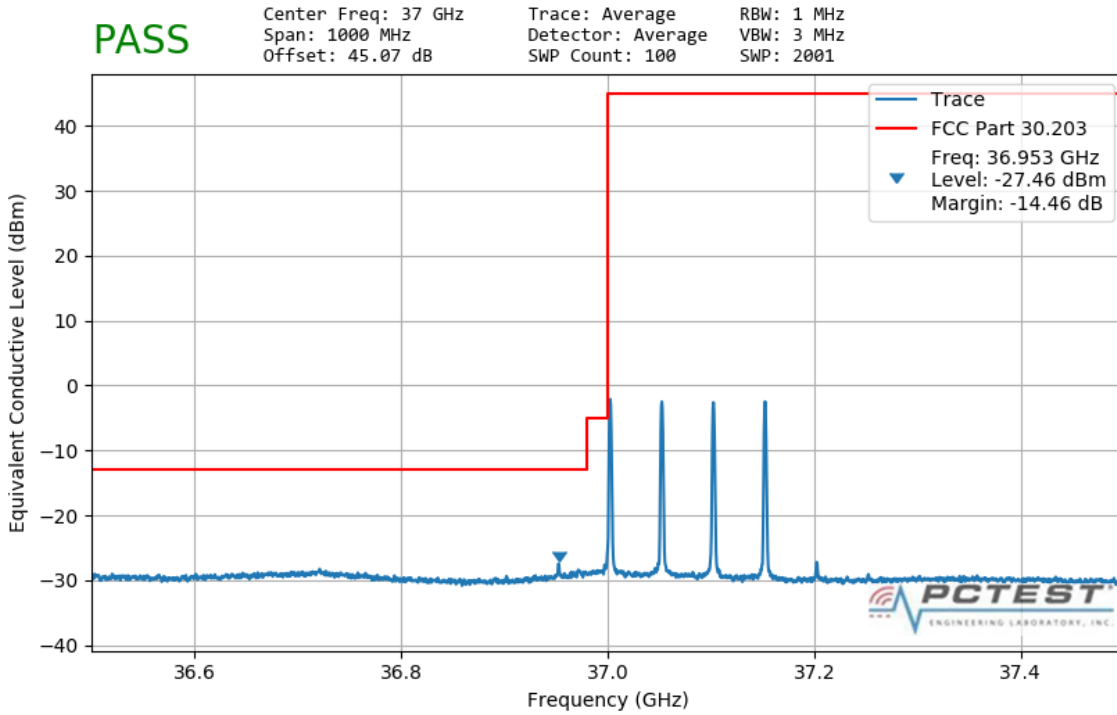
**Plot 7-299. Band Edge Plot (4CC 50M 64QAM Hi Channel – 1 RB 0 offset)**



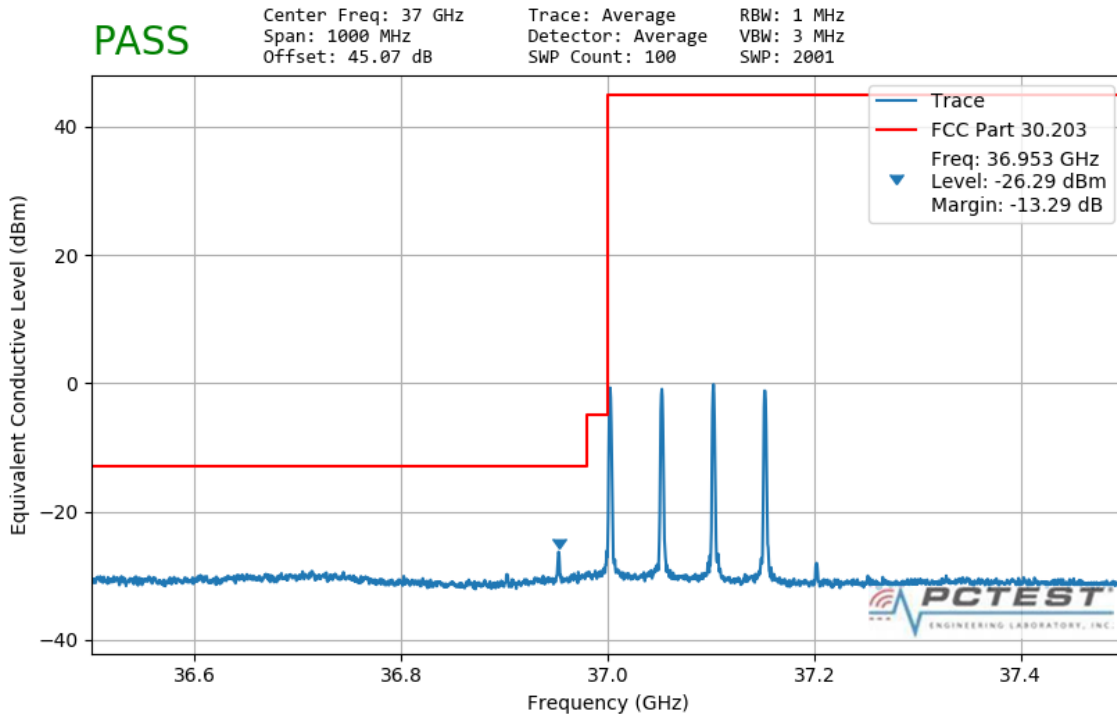
**Plot 7-300. Band Edge Plot (4CC 50M QPSK Hi Channel– 32 RB 0 offset)**

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 186 of 202



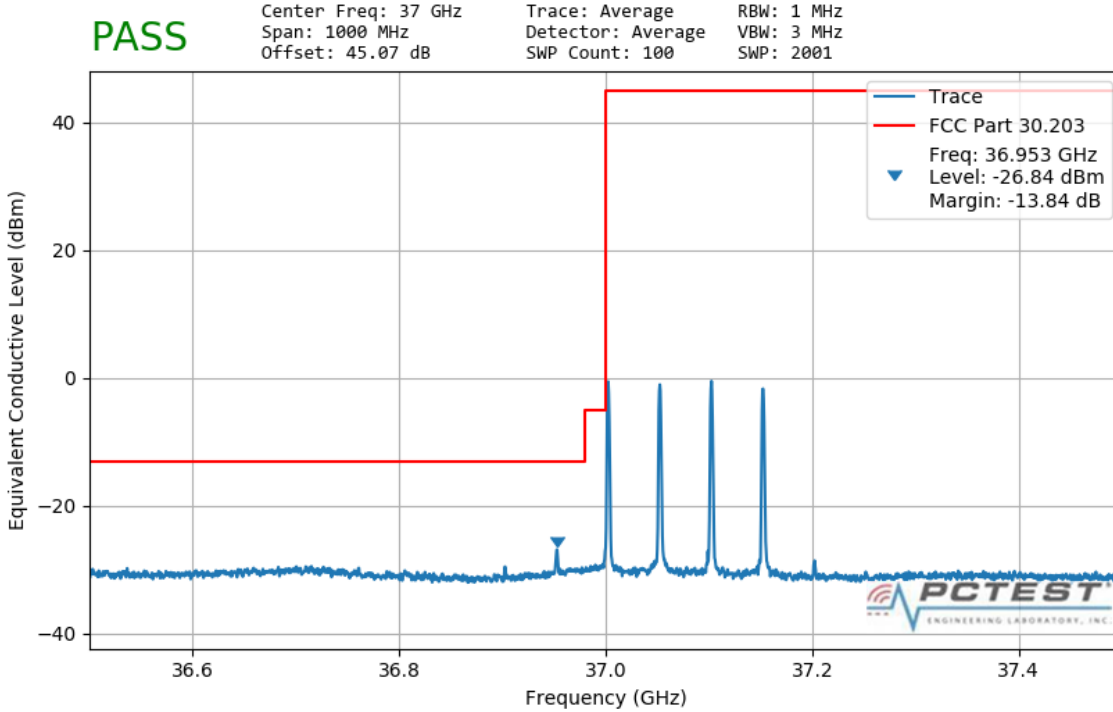


Plot 7-301. Band Edge Plot (4CC 50M QPSK Low Channel – 1 RB 0 offset)

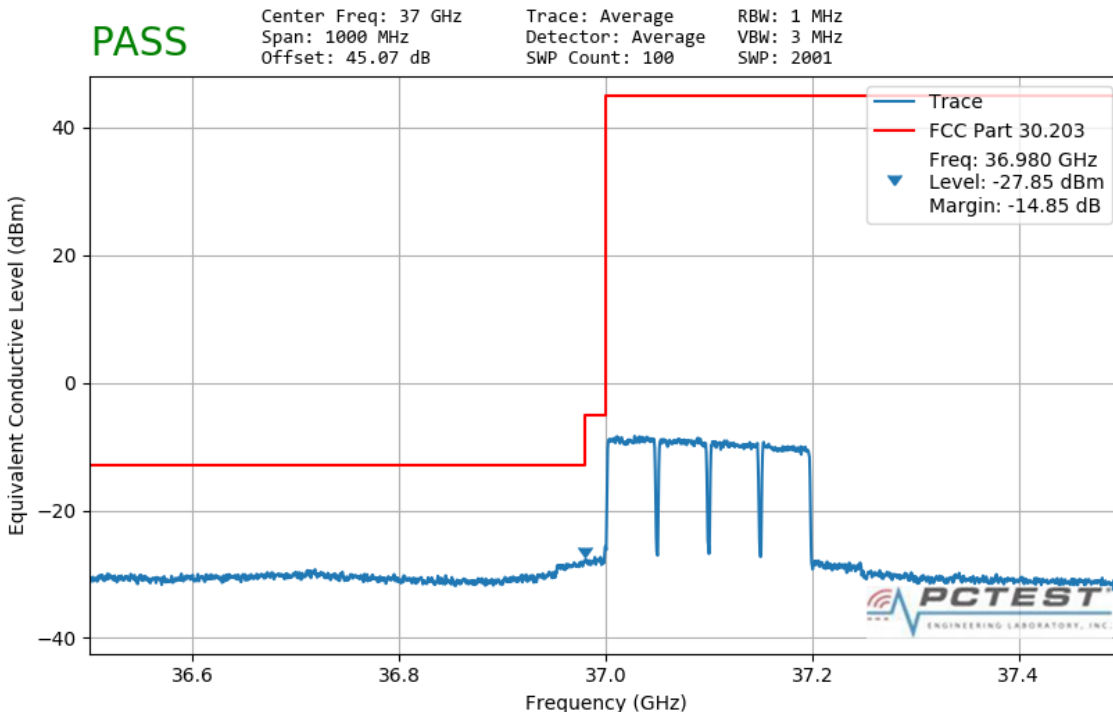


Plot 7-302. Band Edge Plot (4CC 50M 16QAM Low Channel – 1 RB 0 offset)



FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 187 of 202

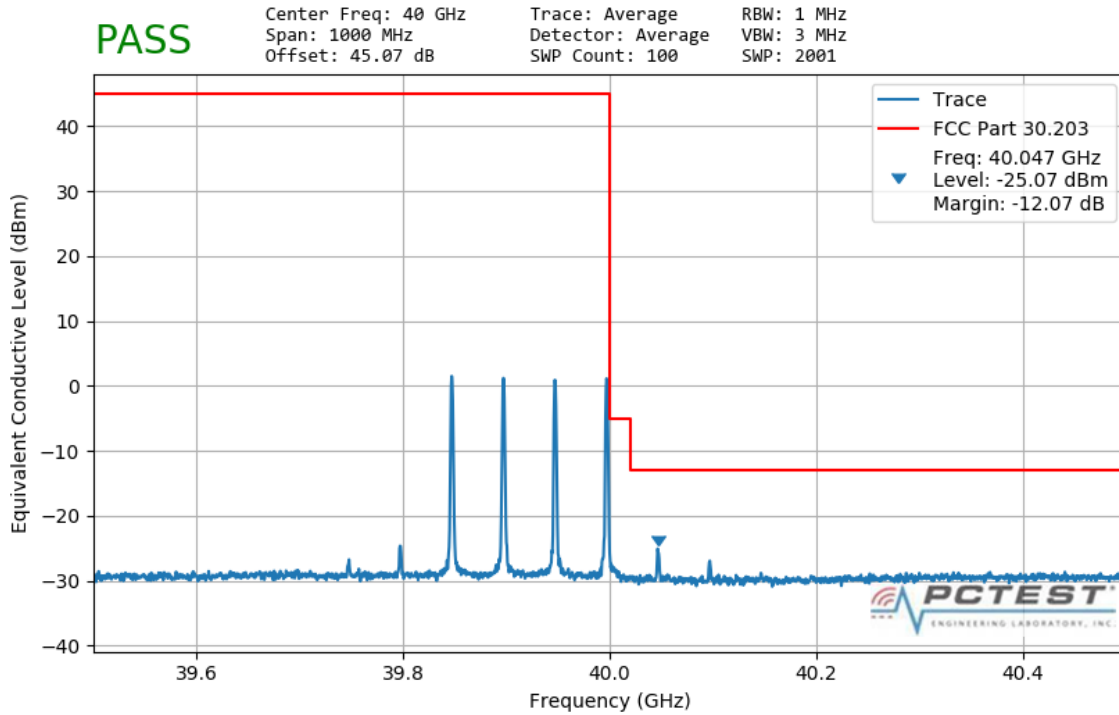


**Plot 7-303. Band Edge Plot (4CC 50M 64QAM Low Channel – 1 RB 0 offset)**

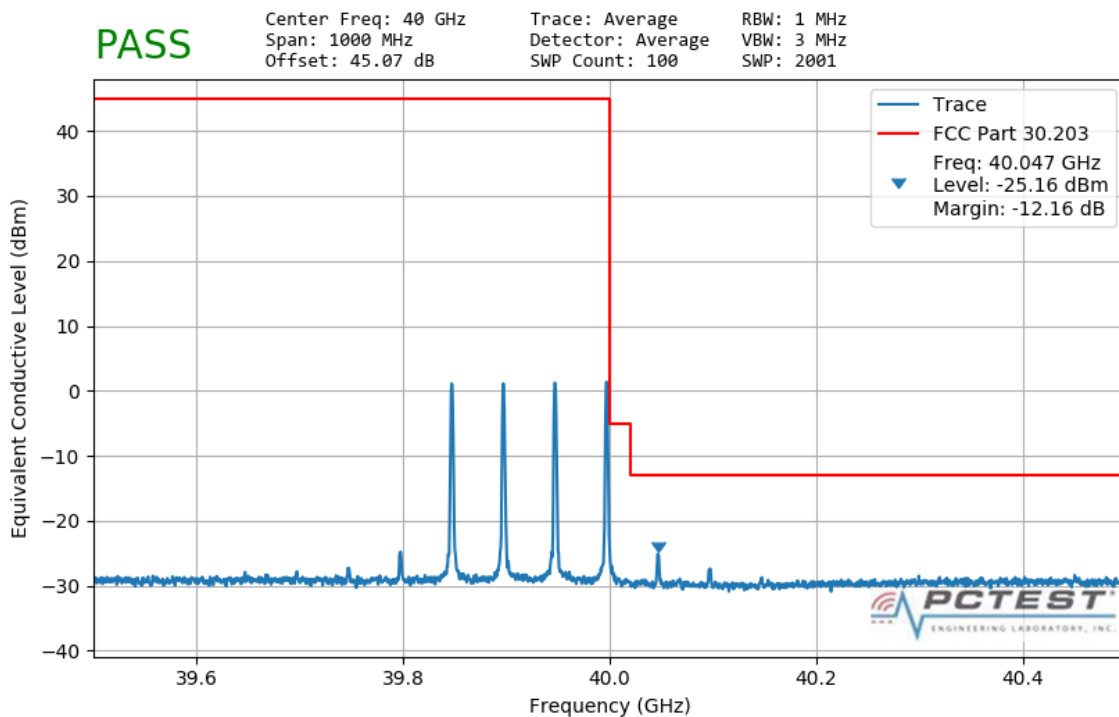


**Plot 7-304. Band Edge Plot (4CC 50M QPSK Low Channel – 32 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 188 of 202

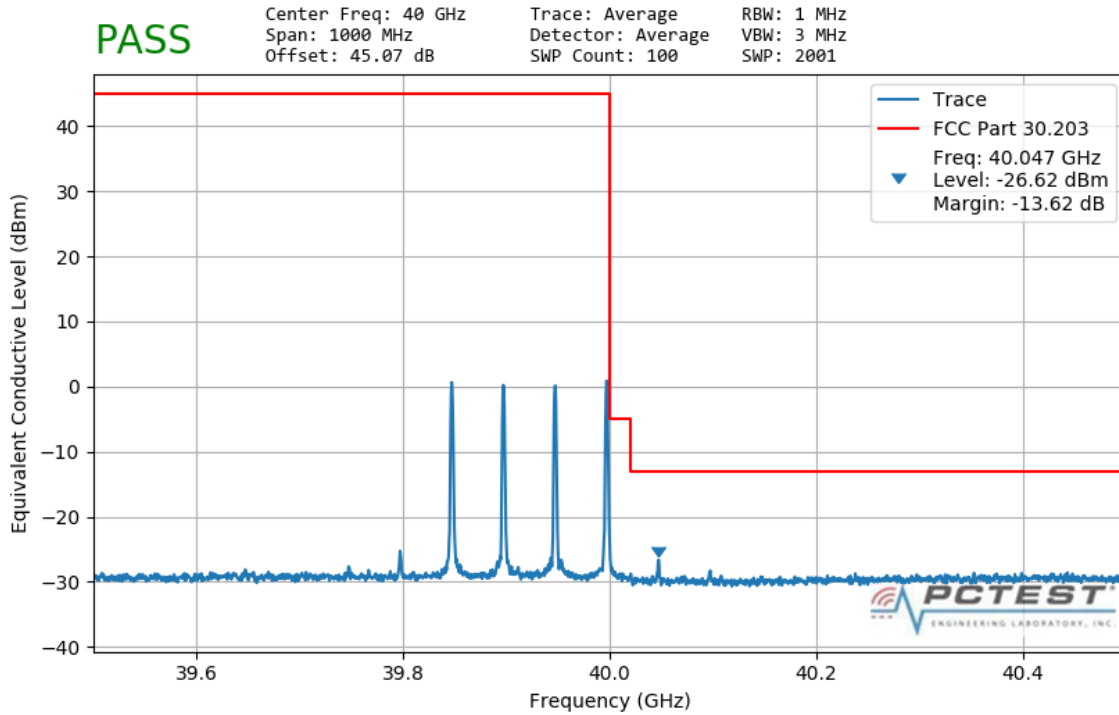


**Plot 7-305. Band Edge Plot (4CC 50M QPSK Hi Channel– 1 RB 0 offset)**

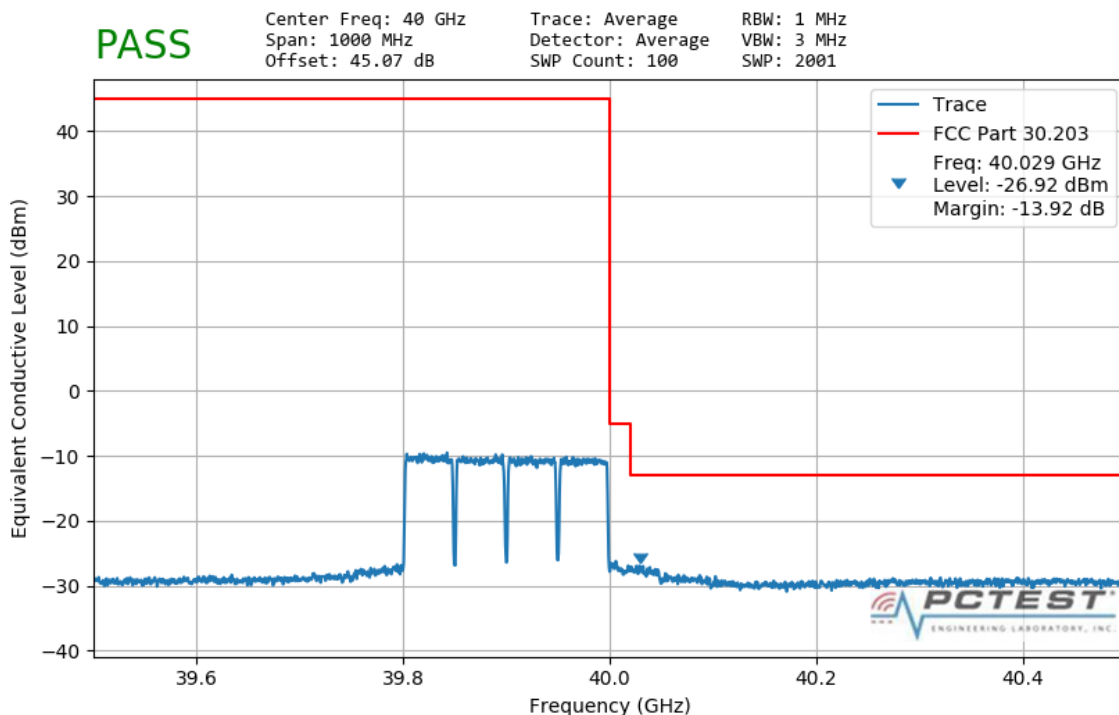


**Plot 7-306. Band Edge Plot (4CC 50M 16QAM Hi Channel– 1 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 189 of 202



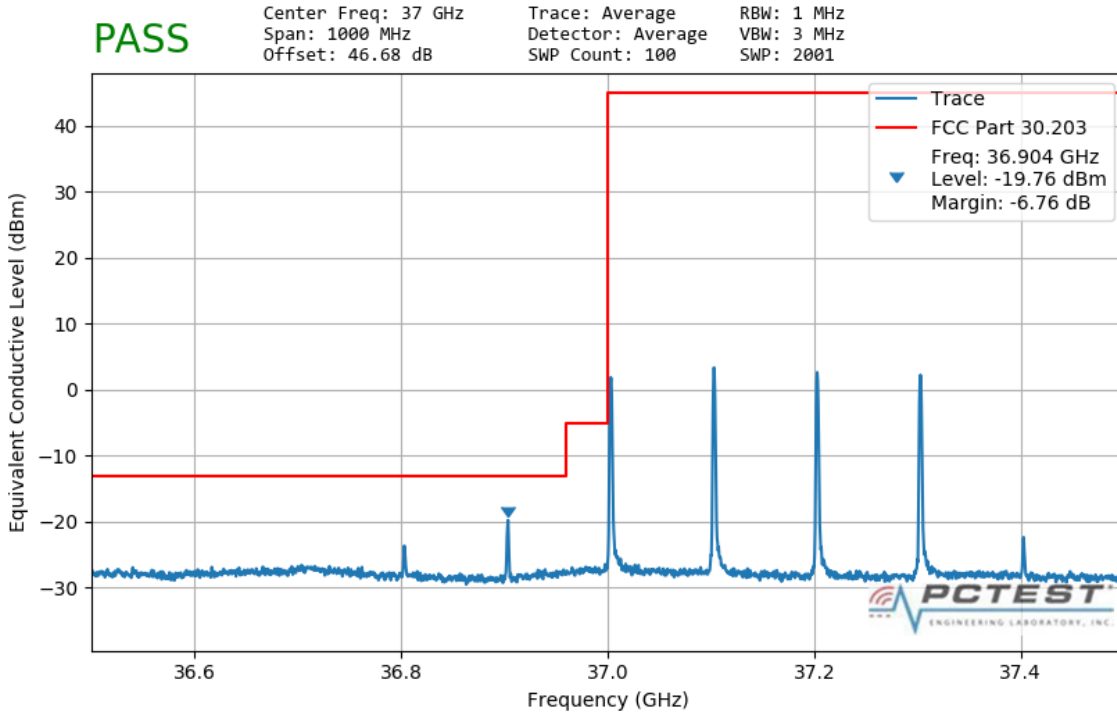
**Plot 7-307. Band Edge Plot (4CC 50M 64QAM Hi Channel – 1 RB 0 offset)**



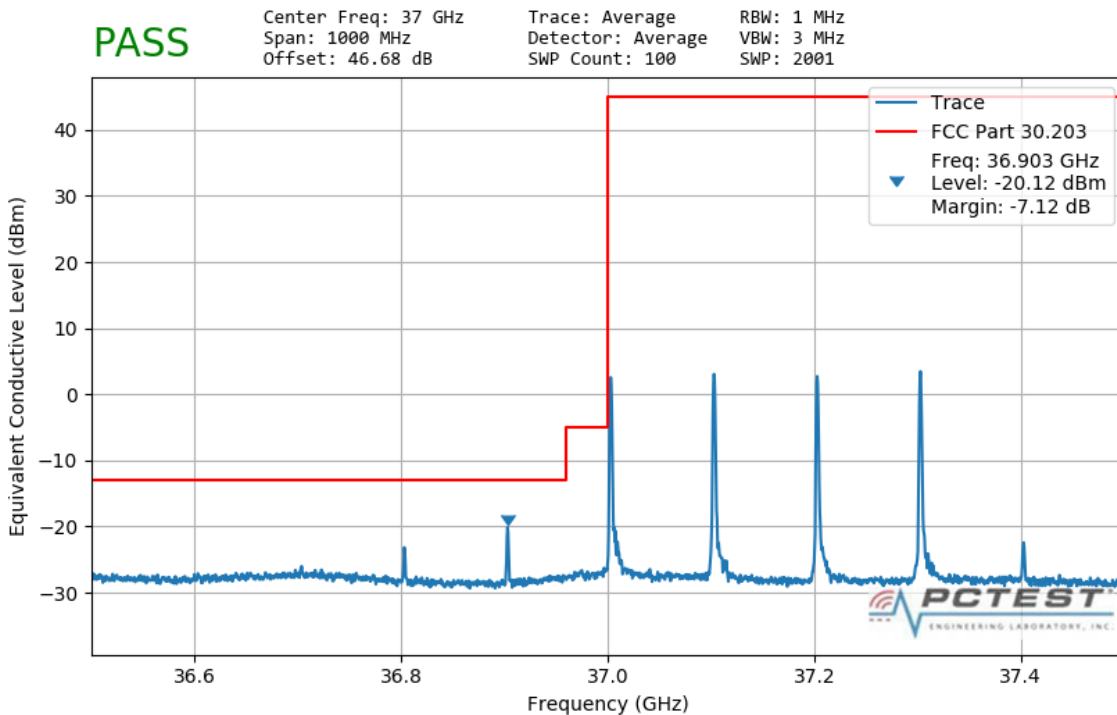
**Plot 7-308. Band Edge Plot (4CC 50M QPSK Hi Channel– 32 RB 0 offset)**

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 190 of 202

**7.5.9 N260 4CC 100MHz Bandwidth Band Edges**  
**QTM 0 - H + V**

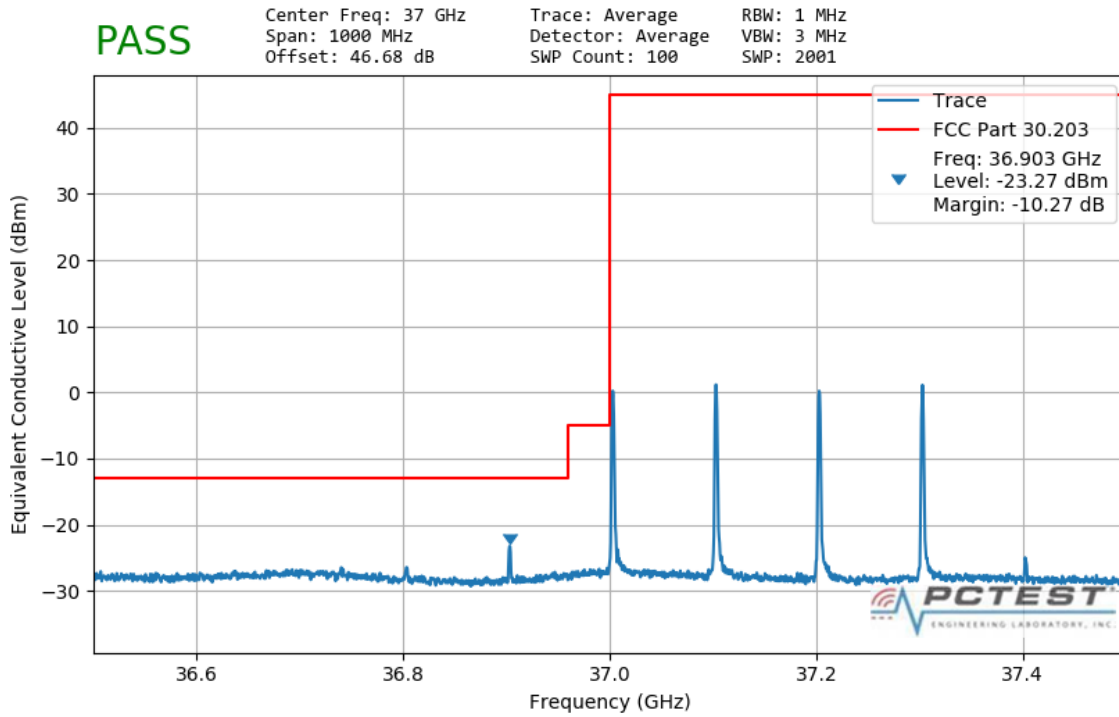


**Plot 7-309. Band Edge Plot (4CC 100M QPSK Low Channel – 1 RB 0 offset)**

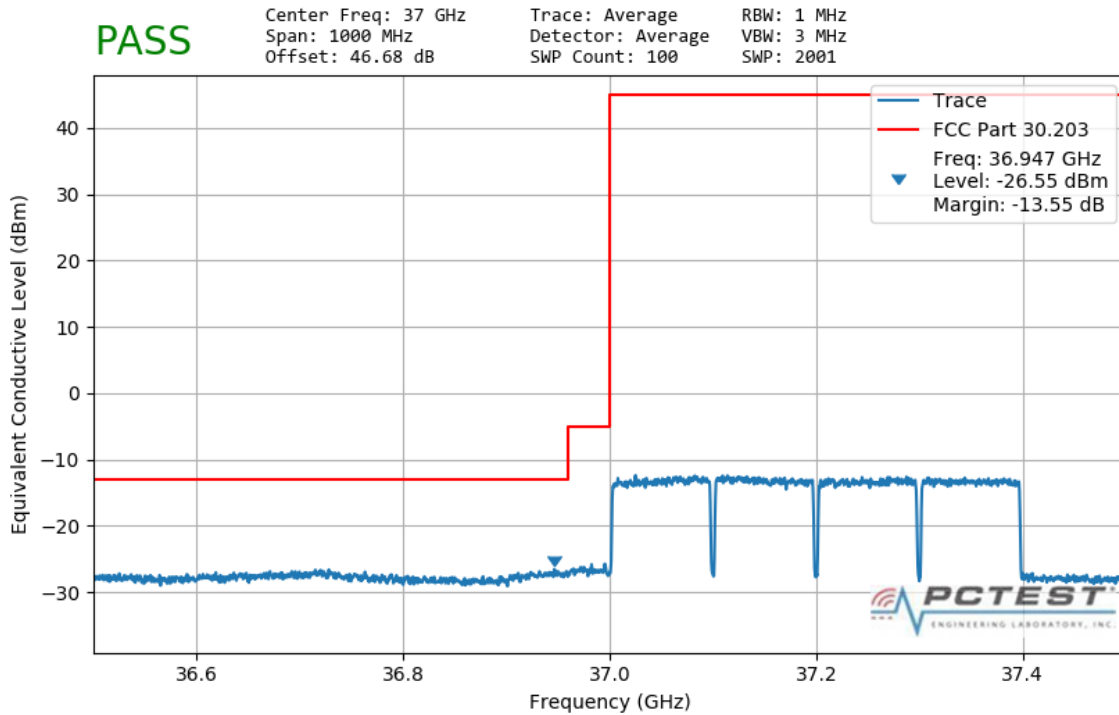


FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 191 of 202

**Plot 7-310. Band Edge Plot (4CC 100M 16QAM Low Channel – 1 RB 0 offset)**

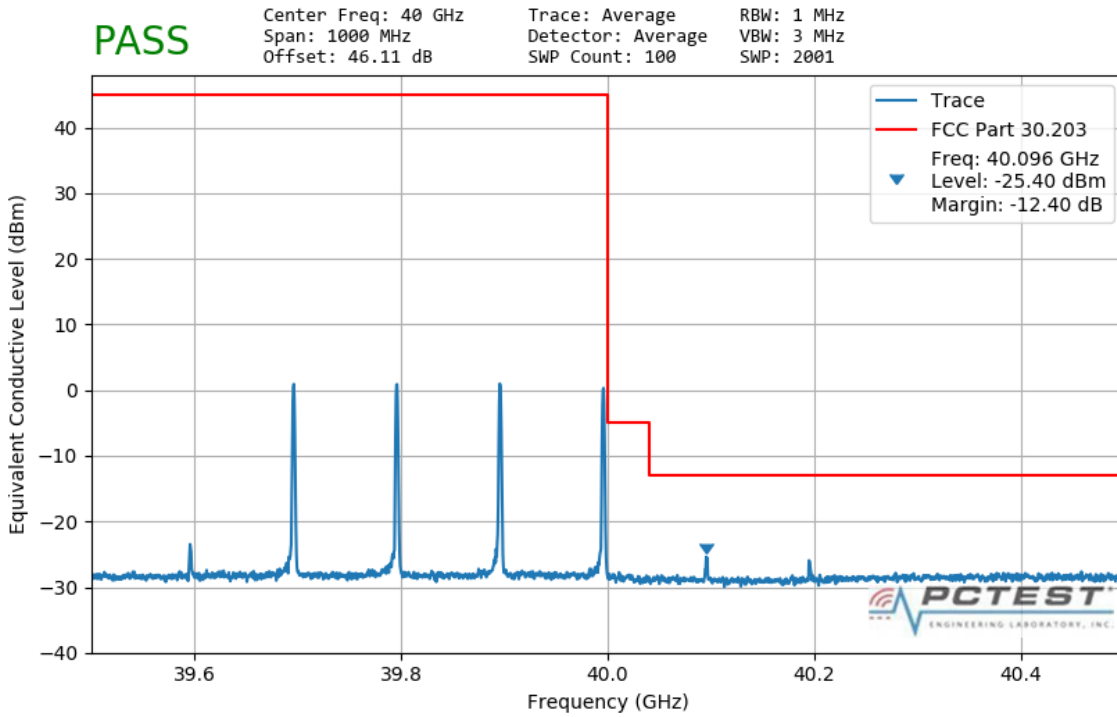


**Plot 7-311. Band Edge Plot (4CC 100M 64QAM Low Channel – 1 RB 0 offset)**

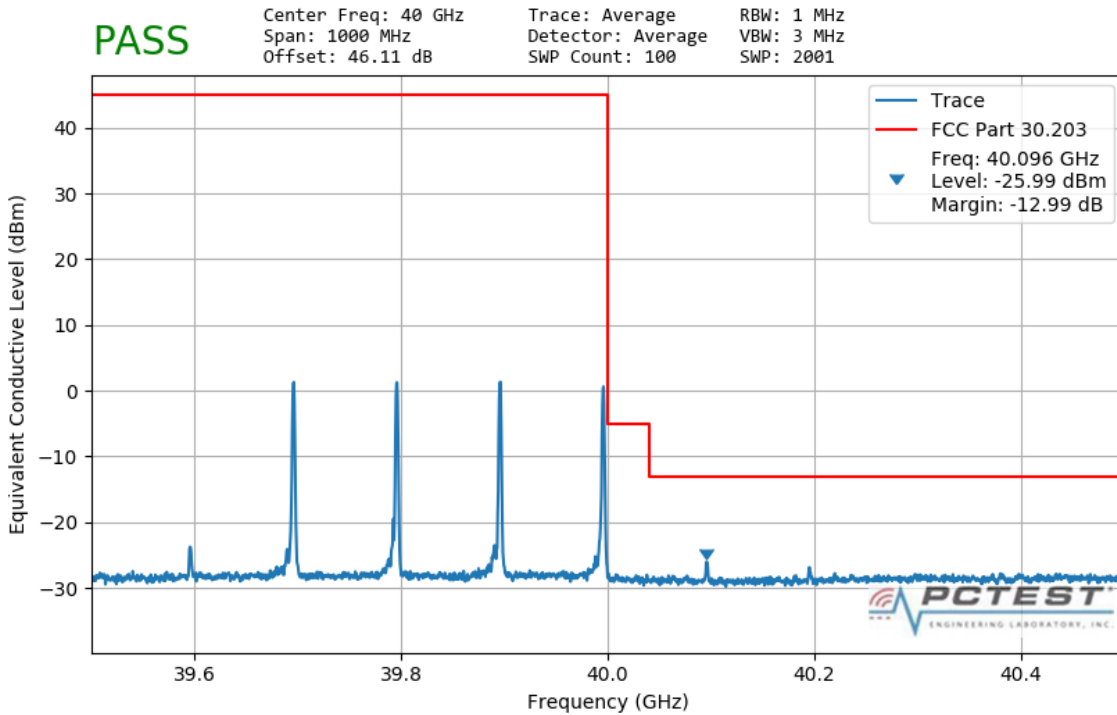


**Plot 7-312. Band Edge Plot (4CC 100M QPSK Low Channel – 66 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 192 of 202

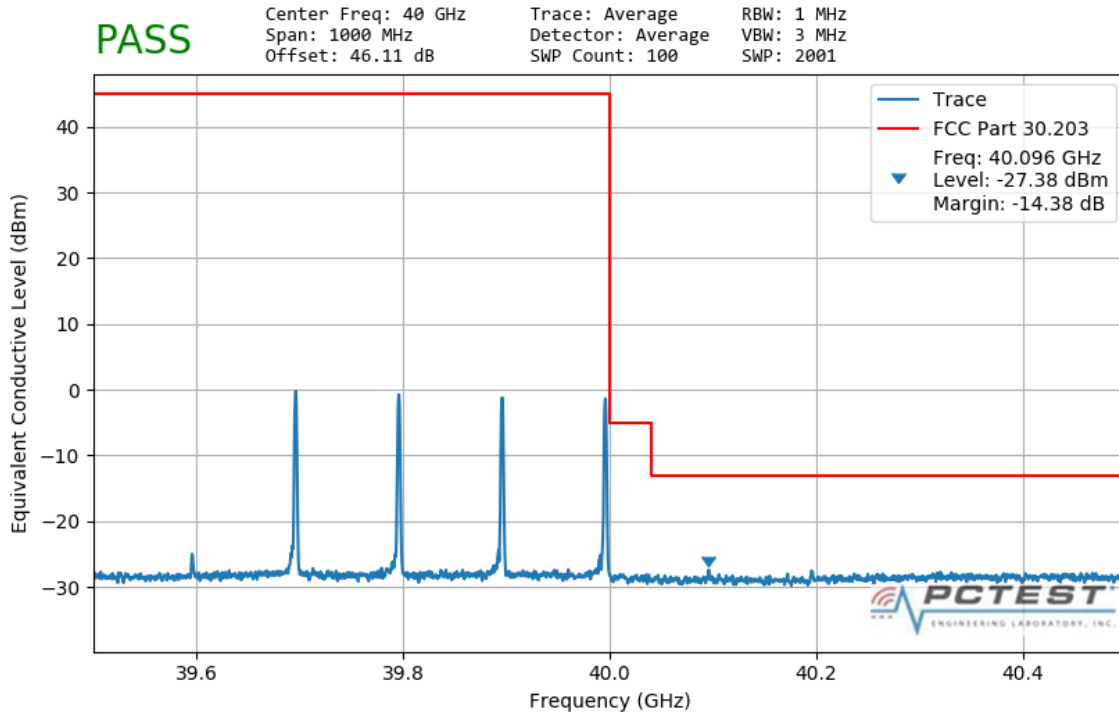


**Plot 7-313. Band Edge Plot (4CC 100M QPSK Hi Channel- 1 RB 65 offset)**

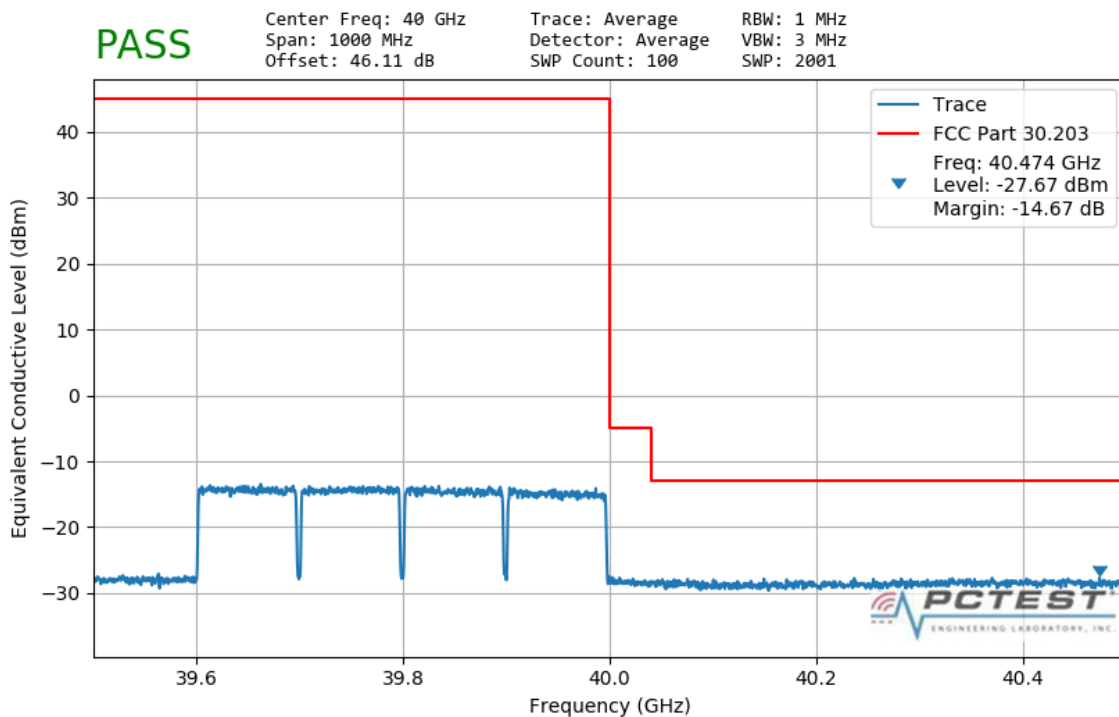


**Plot 7-314. Band Edge Plot (4CC 100M 16QAM Hi Channel- 1 RB 65 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 193 of 202



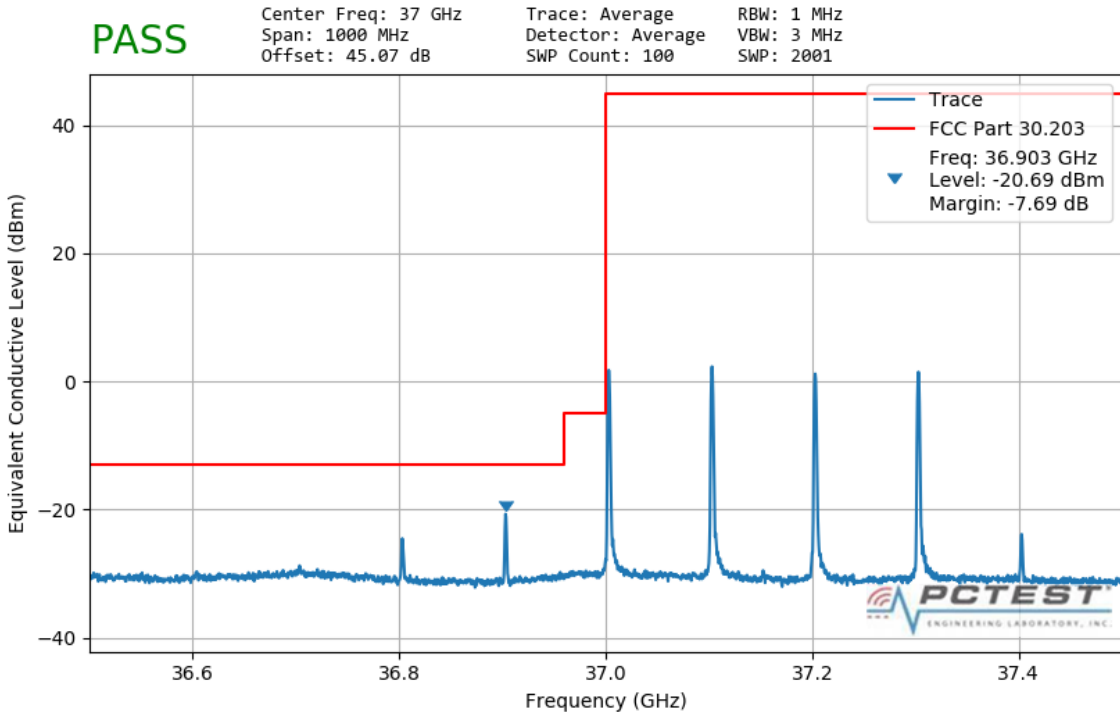
**Plot 7-315. Band Edge Plot (4CC 100M 64QAM Hi Channel – 1 RB 65 offset)**



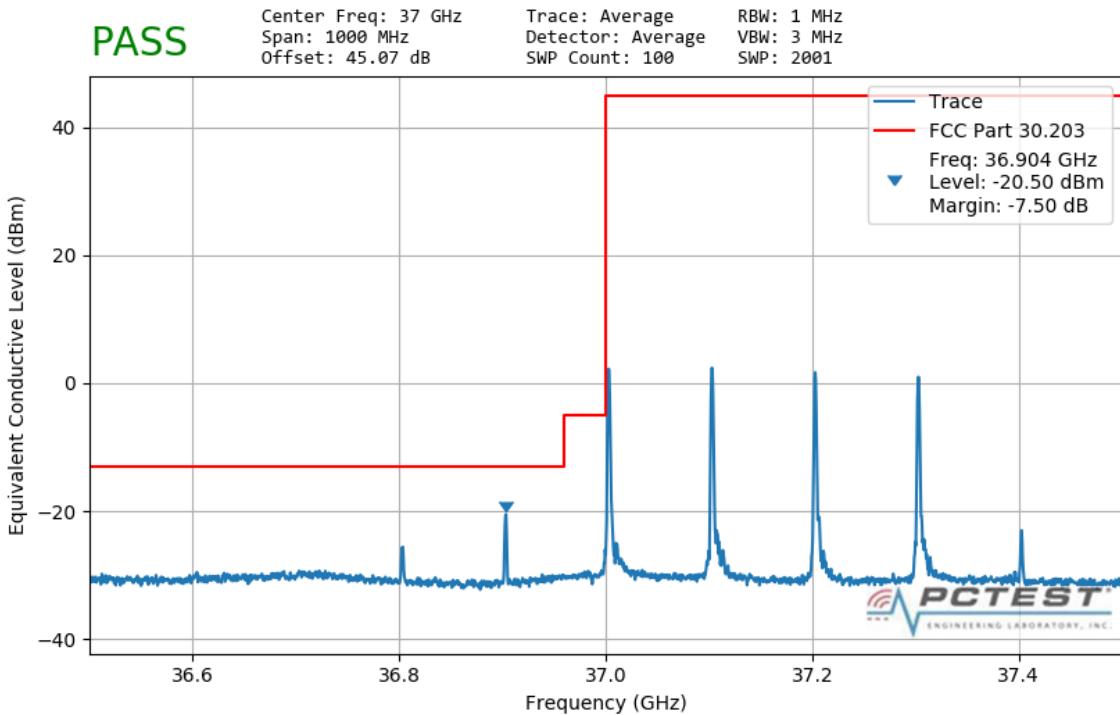
**Plot 7-316. Band Edge Plot (4CC 100M QPSK Hi Channel- 66 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 194 of 202



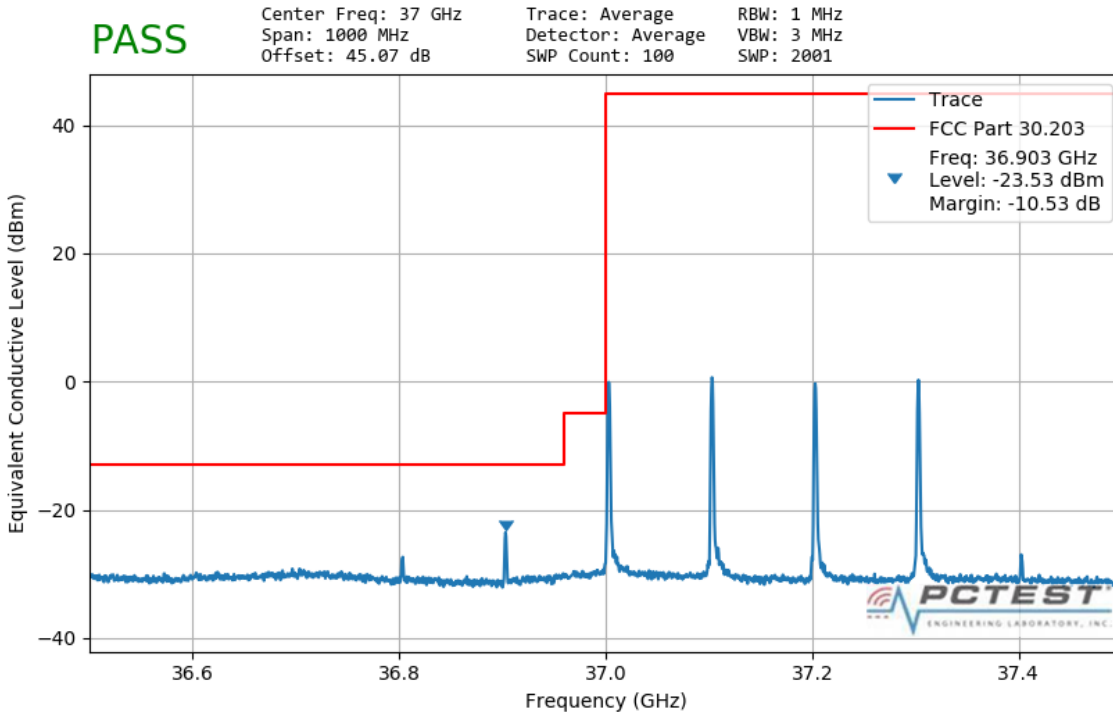


Plot 7-317. Band Edge Plot (4CC 100M QPSK Low Channel – 1 RB 0 offset)

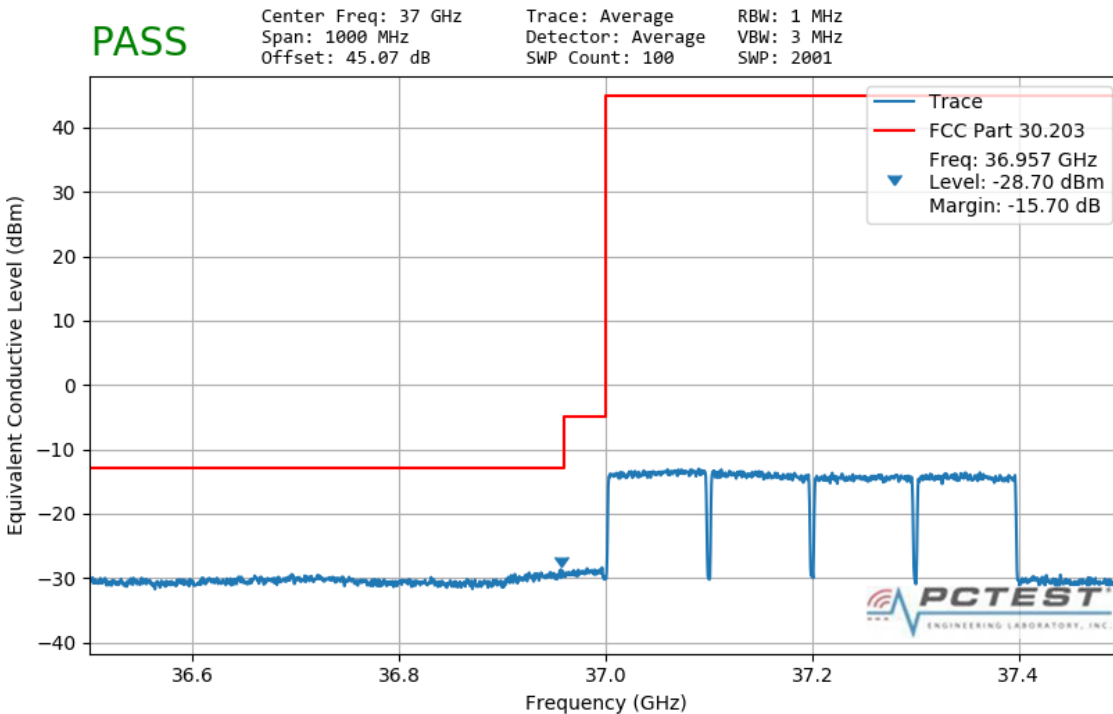


Plot 7-318. Band Edge Plot (4CC 100M 16QAM Low Channel – 1 RB 0 offset)

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 195 of 202

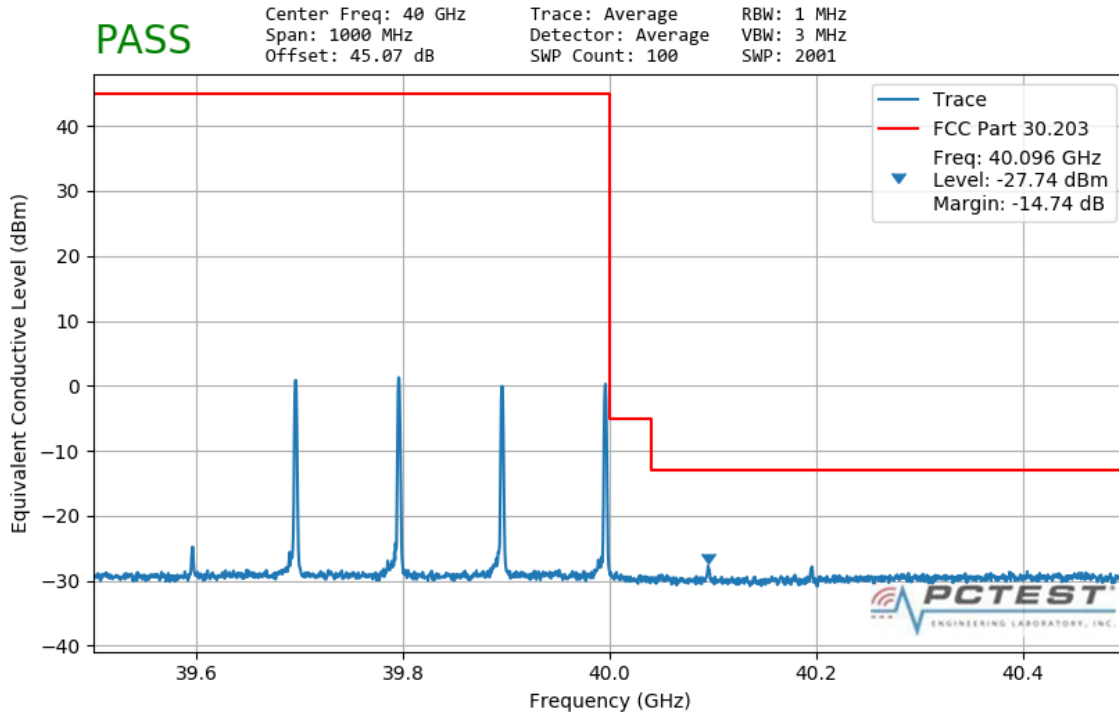


**Plot 7-319. Band Edge Plot (4CC 100M 64QAM Low Channel – 1 RB 0 offset)**

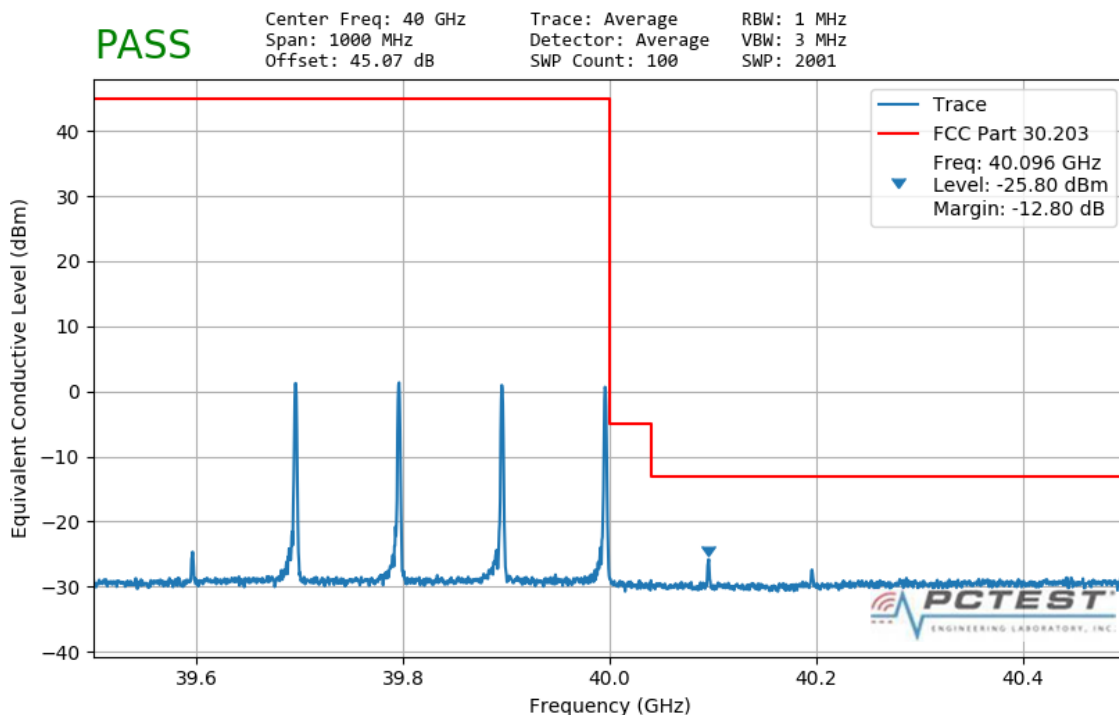


**Plot 7-320. Band Edge Plot (4CC 100M QPSK Low Channel – 32 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 196 of 202

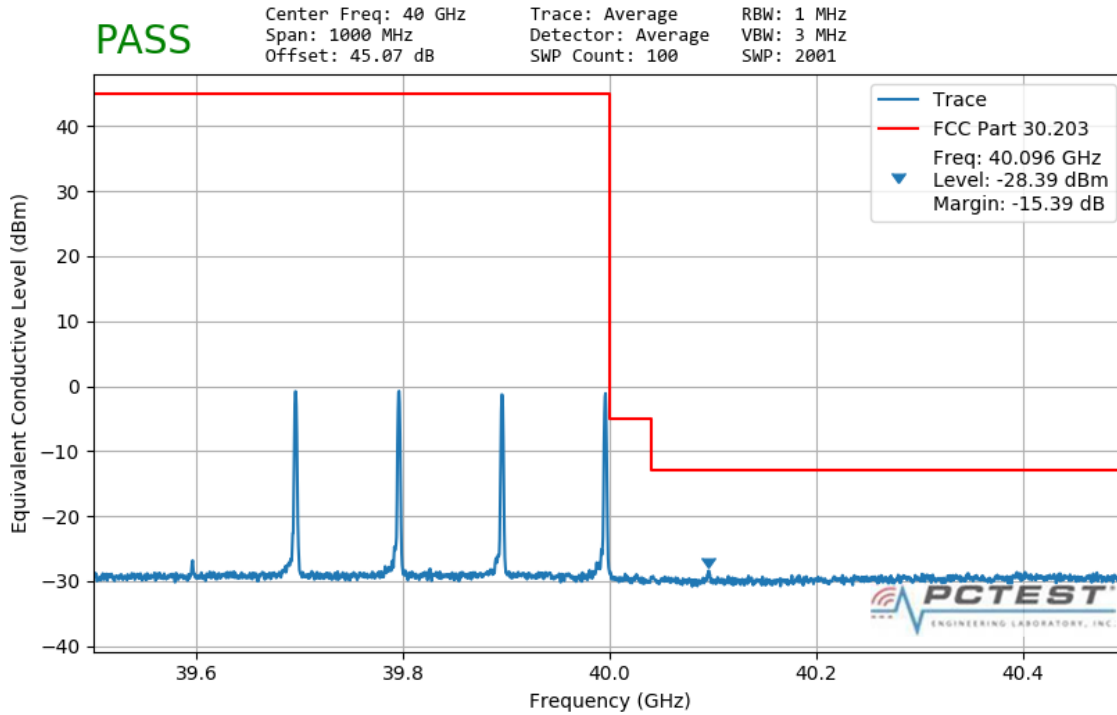


**Plot 7-321. Band Edge Plot (4CC 100M QPSK Hi Channel– 1 RB 0 offset)**

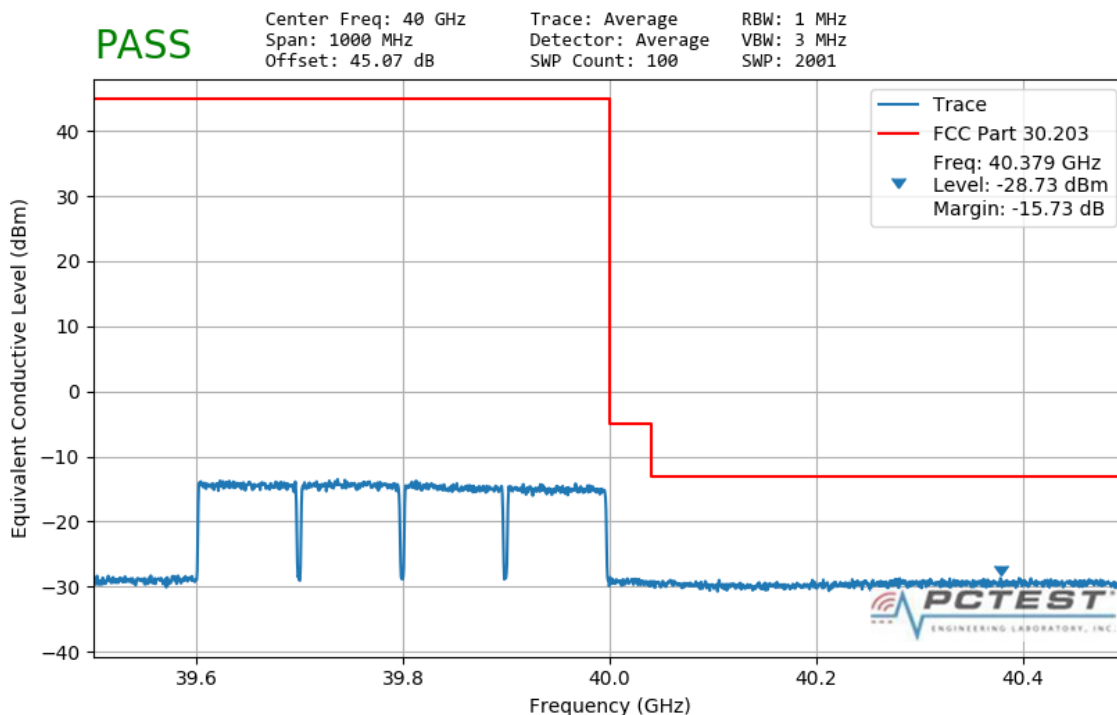


**Plot 7-322. Band Edge Plot (4CC 100M 16QAM Hi Channel– 1 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 197 of 202



**Plot 7-323. Band Edge Plot (4CC 100M 64QAM Hi Channel – 1 RB 0 offset)**





**Plot 7-324. Band Edge Plot (4CC 100M QPSK Hi Channel- 32 RB 0 offset)**

FCC ID: ZNFV450VM		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 198 of 202

## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **LG Portable Handset FCC ID: ZNFV450VM** complies with all the requirements of Part 30.

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> <b>(Class II Permissive Change)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1M1903070034-14-R2.ZNF	<b>Test Dates:</b> 3/21/2019-5/3/2019	<b>EUT Type:</b> Portable Handset	Page 199 of 202	

# 9.0 APPENDIX A

## 9.1 Virginia Diodes Mixer Verification Certificate



Virginia Diodes, Inc

**Certificate of Conformance**

To: PCTEST Engineering Laboratory  
6660-B Dobbin Road  
Columbia, MD 21045  
United States

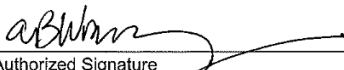
From: Virginia Diodes, Inc



<b>Packing List No:</b> 181177 <b>Shipping Date:</b> 05/14/18	<b>Today's Date:</b> 05/14/18 <b>PO Number:</b> 180416.DP1R
--	--

Attention: Yelena Wedekind  
Phone: 410-290-6652

<u>Quantity</u>	<u>Shipped</u>	<u>Unit</u>	<u>Description</u>	<u>Order-Job Number</u>
1	EA		VDIWR12.0SAX WR12SAX - Spectrum Analyzer Extension Module / SN: SAX 252	18171A-01

The VDI product(s) in this shipment meet(s) the guidelines for performance specifications established in accordance with the corresponding Purchase Order. Data presented in the User Guide, where applicable, has been obtained in accordance with VDI's Quality Management System. All instruments, used to obtain data, which require calibration have been calibrated with equipment traceable to the National Institute of Standards and Technology (NIST) and through NIST to the International System of Units (SI).

  
 Authorized Signature  
 Virginia Diodes, Inc

<b>FCC ID:</b> ZNFV450VM	 <b>MEASUREMENT REPORT</b> (Class II Permissive Change)		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1M1903070034-14-R2.ZNF	<b>Test Dates:</b> 3/21/2019-5/3/2019	<b>EUT Type:</b> Portable Handset	Page 200 of 202



**Virginia Diodes, Inc**  
979 2nd St. SE  
Suite 309  
Charlottesville, VA 22902  
Phone: 434-297-3257  
Fax: 434-297-3258

**Certificate of Conformance**

To: PCTEST Engineering Laboratory  
6660-B Dobbin Road  
Columbia, MD 21045  
United States

From: Virginia Diodes, Inc  
979 2nd St. SE  
Suite 309  
Charlottesville, VA 22902

<b>Packing List No:</b> 181120	<b>Today's Date:</b> 05/08/18
<b>Shipping Date:</b> 05/08/18	<b>PO Number:</b> 180416.DP1R

Attn: Yelena Wedekind

Phone: 1-410-290-6652

Quantity Shipped	Unit	Description	Order-Job Number
1	EA	VDIWR8.0SAX WR8.0SAX - Spectrum Analyzer Extension Module; SN: SAX 253.	18171B-01

The VDI product(s) in this shipment meet(s) the guidelines for performance specifications established in accordance with the corresponding Purchase Order. Data presented in the User Guide, where applicable, has been obtained in accordance with VDI's Quality Management System. All instruments, used to obtain data, which require calibration have been calibrated with equipment traceable to the National Institute of Standards and Technology (NIST) and through NIST to the International System of Units (SI).

Authorized Signature  
Virginia Diodes, Inc

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset		Page 201 of 202



**Virginia Diodes, Inc**  
 979 2nd St. SE  
 Suite 309  
 Charlottesville, VA 22902  
 Phone: 434-297-3257  
 Fax: 434-297-3258

**Certificate of Conformance**

To: PCTEST Engineering Laboratory  
 6660-B Dobbin Road  
 Columbia, MD 21045  
 United States

From: Virginia Diodes, Inc  
 979 2nd St. SE  
 Suite 309  
 Charlottesville, VA 22902

<b>Packing List No:</b> 181247	<b>Today's Date:</b> 05/22/18
<b>Shipping Date:</b> 05/21/18	<b>PO Number:</b> 180416.DP1R


Attn: Yelena Wedekind  
 Phone: 1-410-290-6652

Quantity	Shipped	Unit	Description	Order-Job Number
1	EA	VDIWR5.1SAX	WR5.1SAX - Spectrum Analyzer Extension Module; SN: SAX 254.	18171C-01

The VDI product(s) in this shipment meet(s) the guidelines for performance specifications established in accordance with the corresponding Purchase Order. Data presented in the User Guide, where applicable, has been obtained in accordance with VDI's Quality Management System. All instruments, used to obtain data, which require calibration have been calibrated with equipment traceable to the National Institute of Standards and Technology (NIST) and through NIST to the International System of Units (SI).



Authorized Signature  
 Virginia Diodes, Inc

FCC ID: ZNFV450VM		<b>MEASUREMENT REPORT</b> (Class II Permissive Change)		Approved by: Quality Manager
Test Report S/N: 1M1903070034-14-R2.ZNF	Test Dates: 3/21/2019-5/3/2019	EUT Type: Portable Handset	Page 202 of 202	