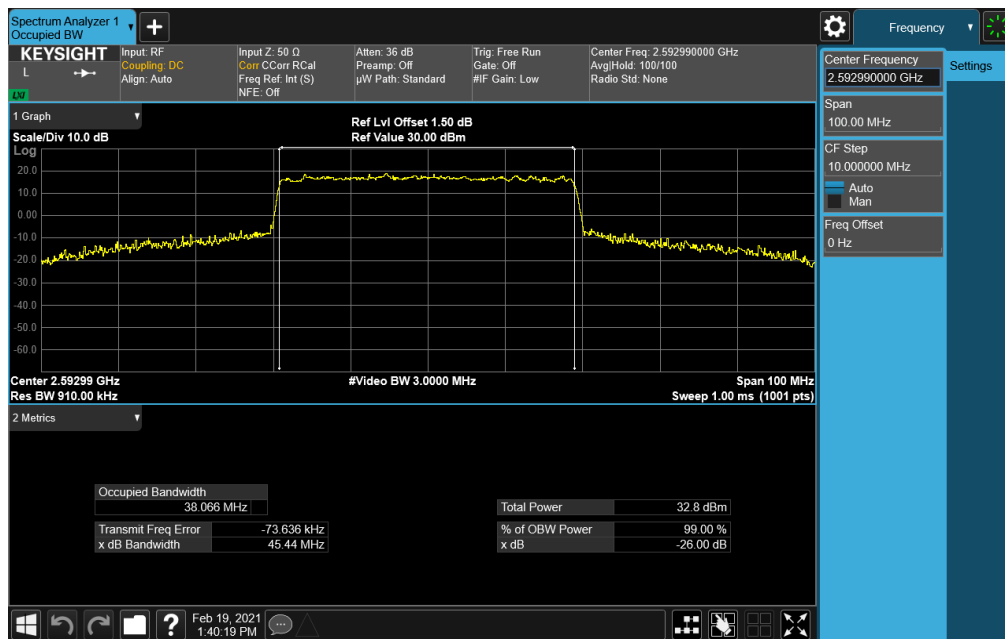


Plot 7-67. Occupied Bandwidth Plot (NR Band n41 - 40MHz CP-OFDM QPSK - Full RB Configuration)

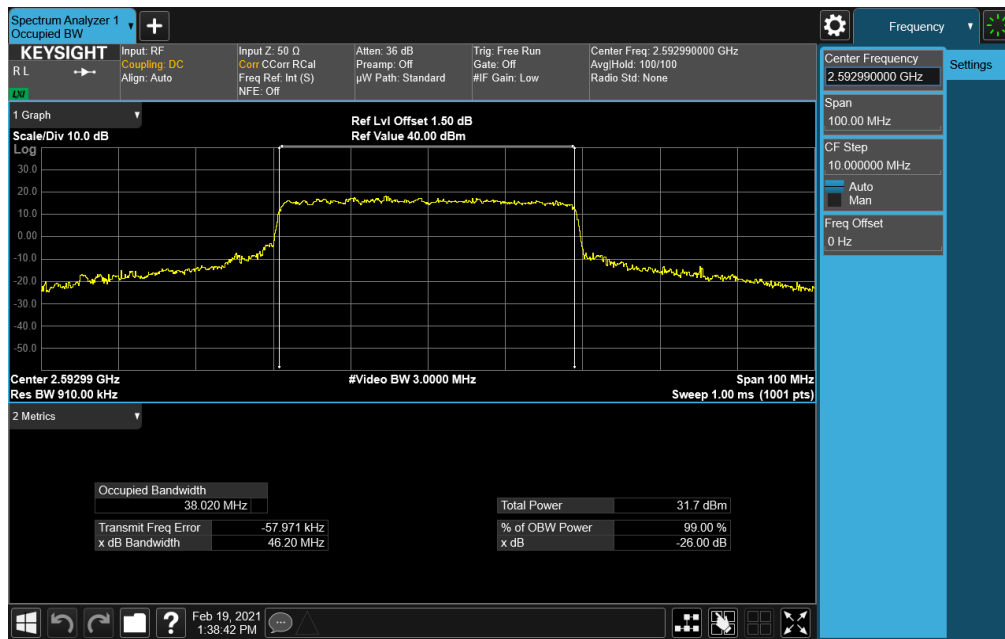


Plot 7-68. Occupied Bandwidth Plot (NR Band n41 - 40MHz CP-OFDM 16-QAM - Full RB Configuration)

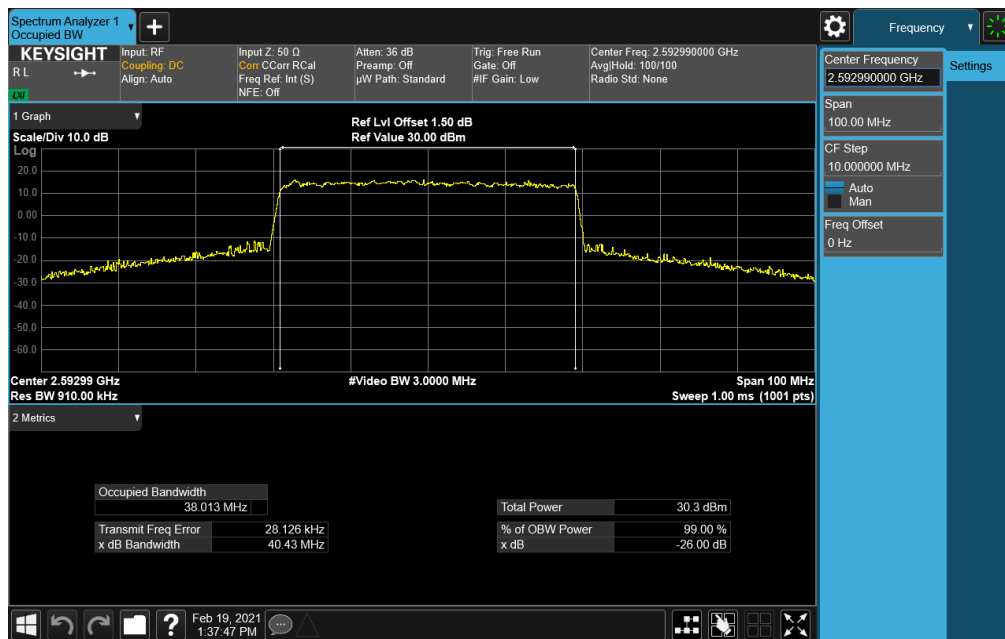
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 50 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-69. Occupied Bandwidth Plot (NR Band n41 - 40MHz CP-OFDM 64-QAM - Full RB Configuration)

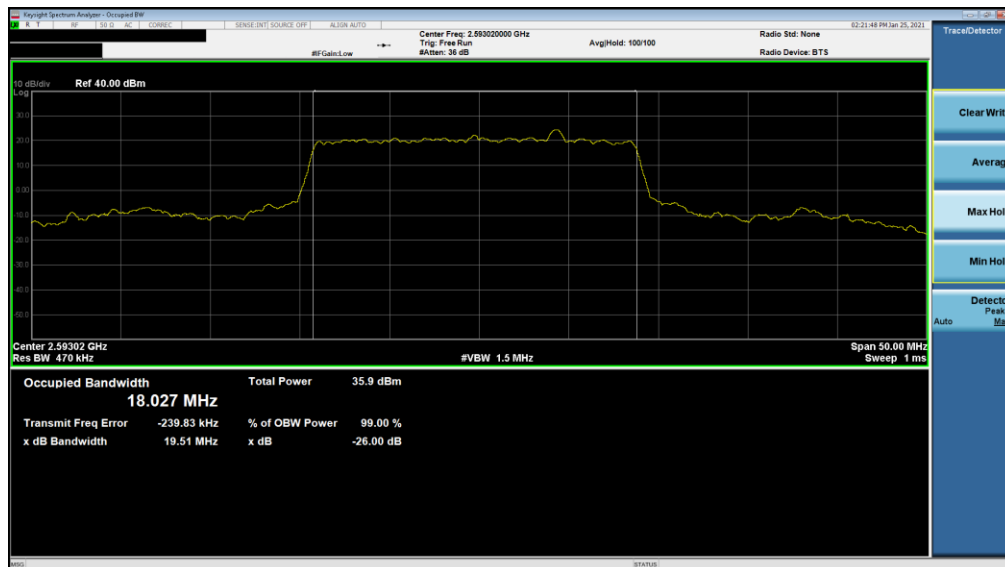


Plot 7-70. Occupied Bandwidth Plot (NR Band n41 - 40MHz CP-OFDM 256-QAM - Full RB Configuration)

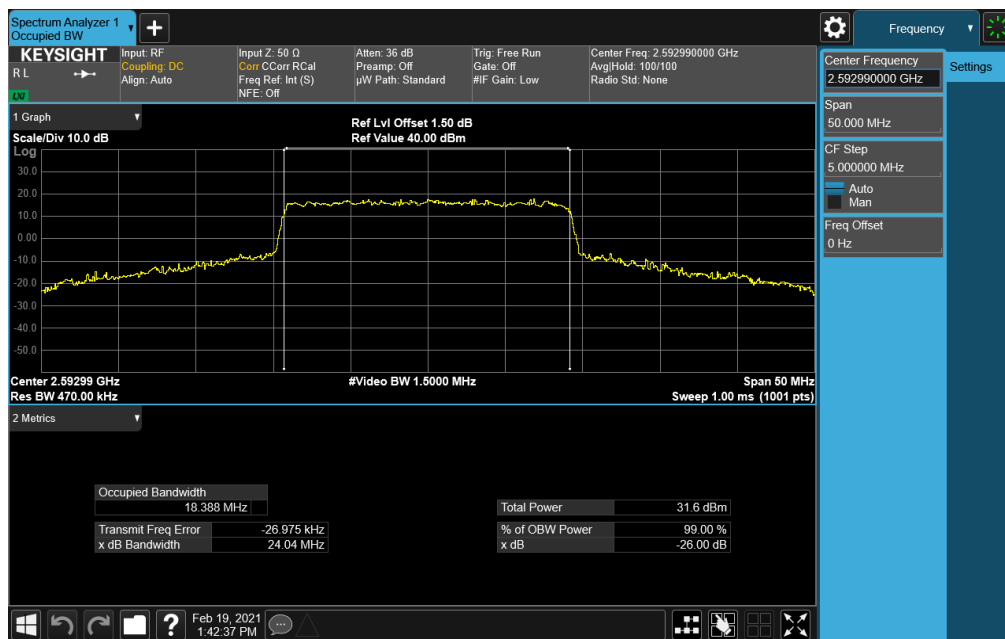
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 51 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-71. Occupied Bandwidth Plot (NR Band n41 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

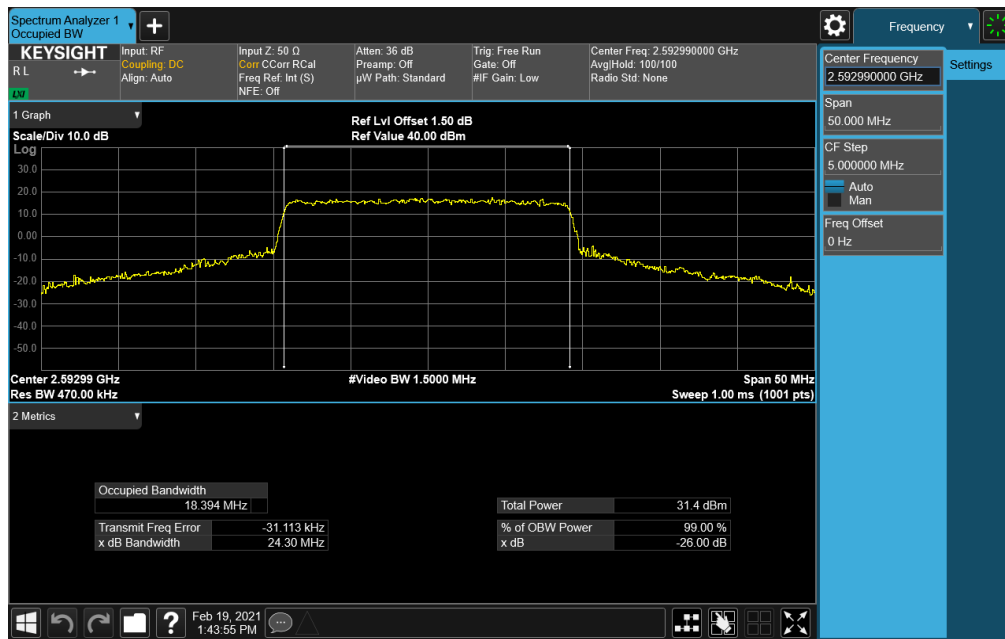


Plot 7-72. Occupied Bandwidth Plot (NR Band n41 - 20MHz CP-OFDM QPSK - Full RB Configuration)

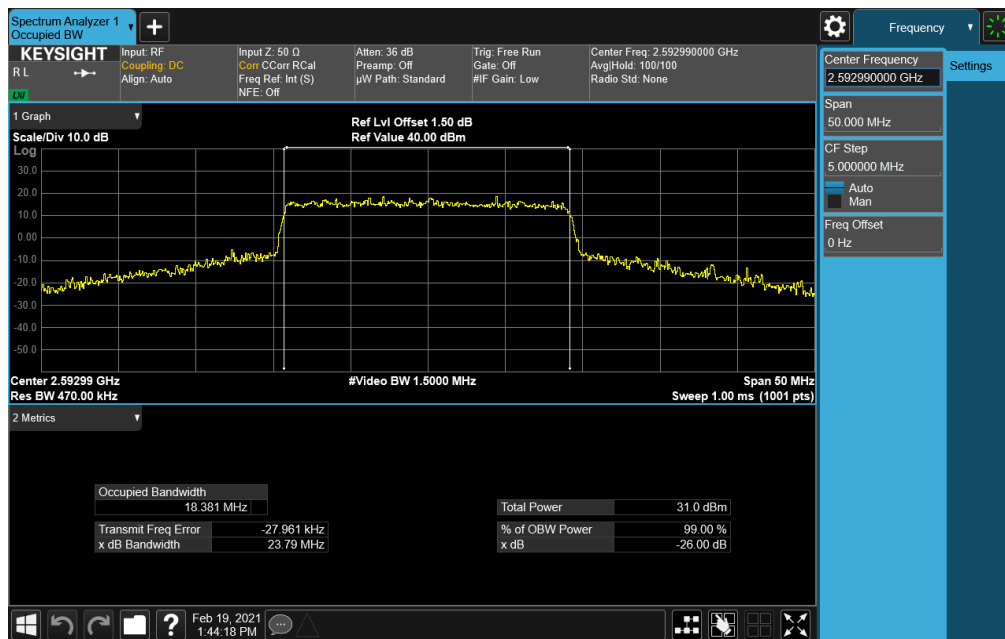
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 52 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-73. Occupied Bandwidth Plot (NR Band n41 - 20MHz CP-OFDM 16-QAM - Full RB Configuration)



Plot 7-74. Occupied Bandwidth Plot (NR Band n41 - 20MHz CP-OFDM 64-QAM - Full RB Configuration)



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 53 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



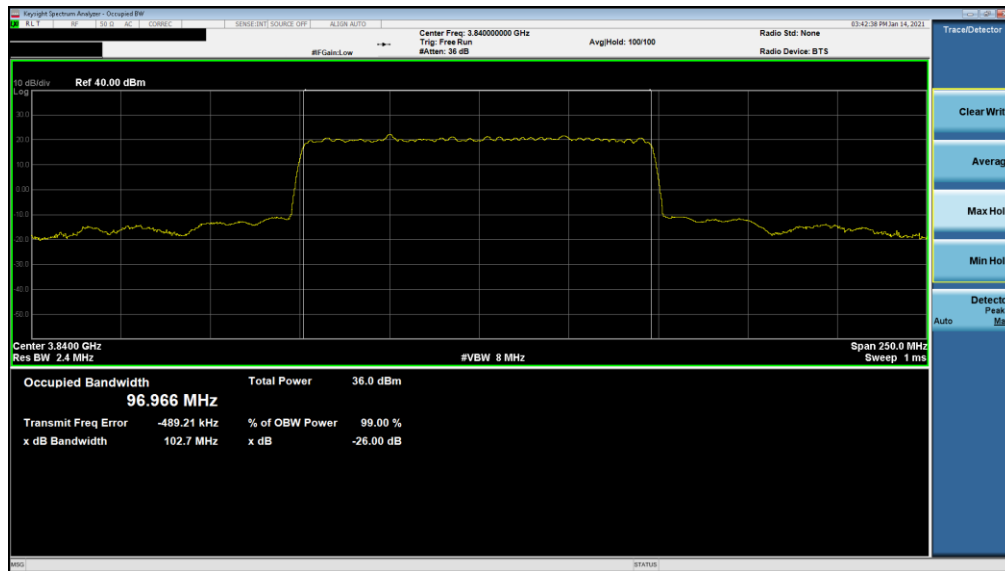
Plot 7-75. Occupied Bandwidth Plot (NR Band n41 - 20MHz CP-OFDM 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 54 of 221

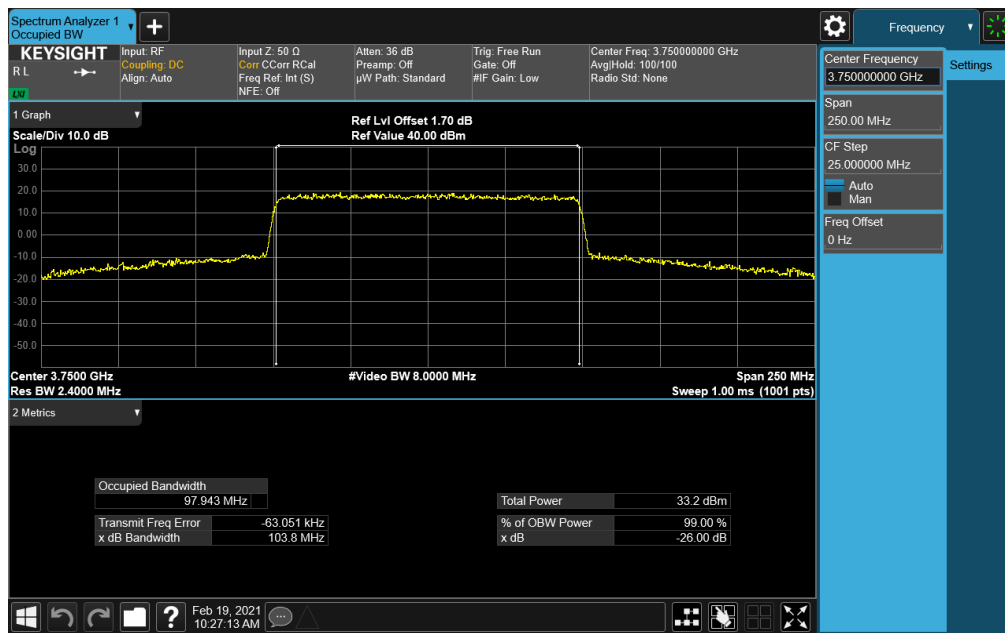
© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

NR Band n77



Plot 7-76. Occupied Bandwidth Plot (NR Band n77 - 100MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

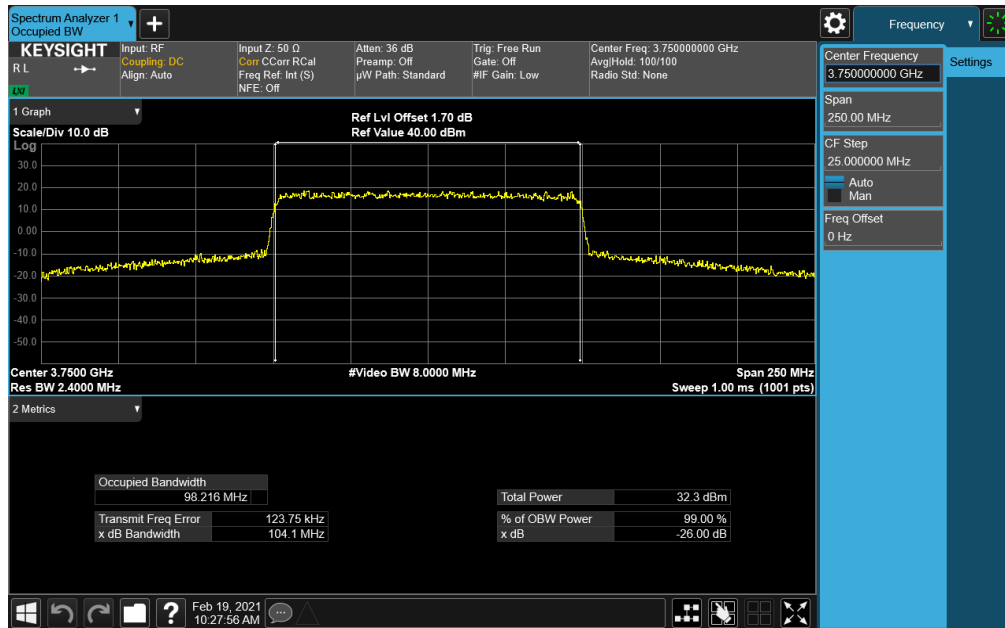


Plot 7-77. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM QPSK - Full RB Configuration)

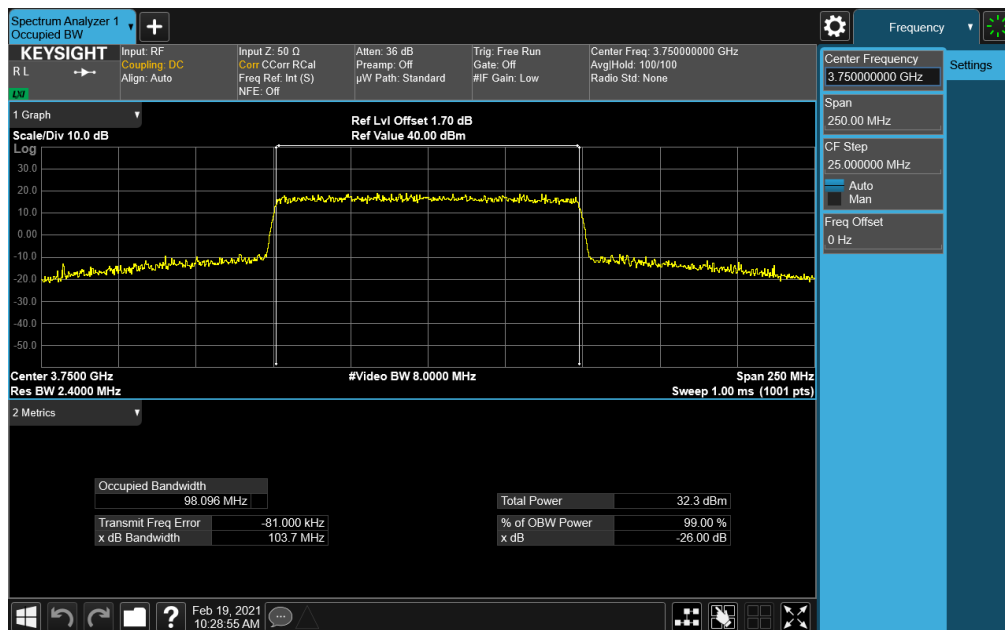
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 55 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-78. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM 16-QAM - Full RB Configuration)

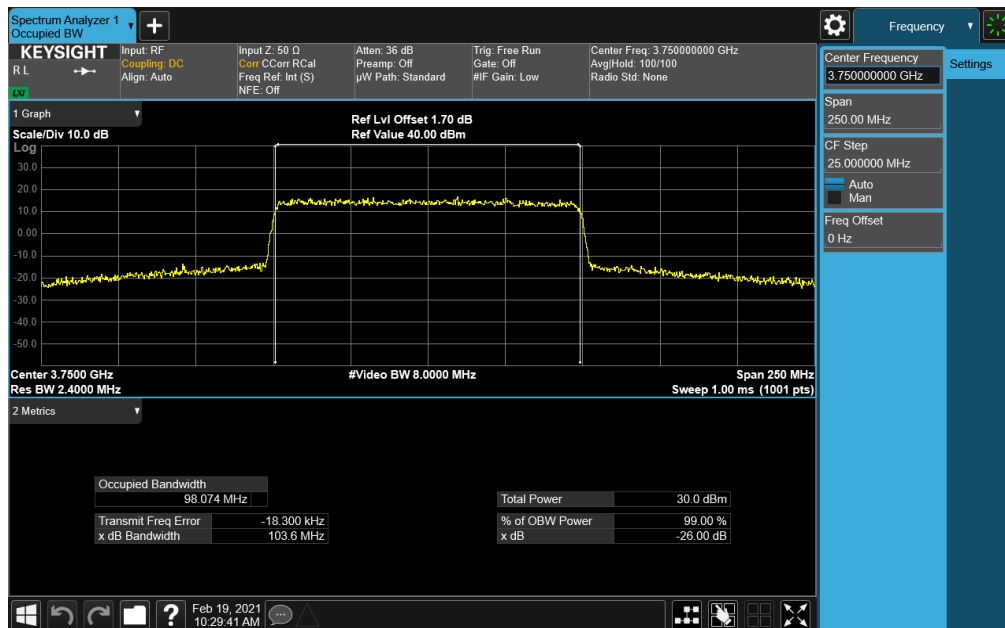


Plot 7-79. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM 64-QAM - Full RB Configuration)

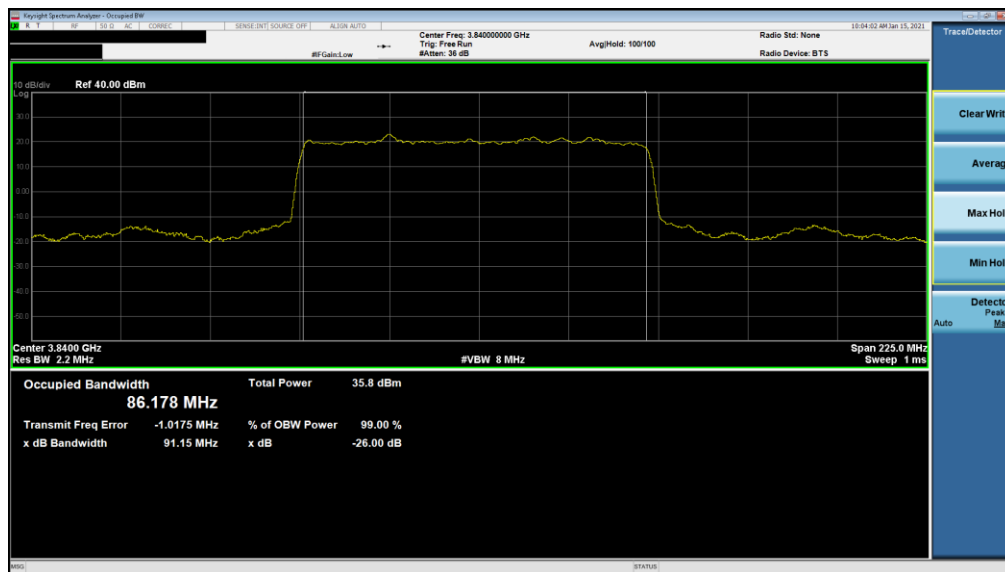
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 56 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-80. Occupied Bandwidth Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB Configuration)

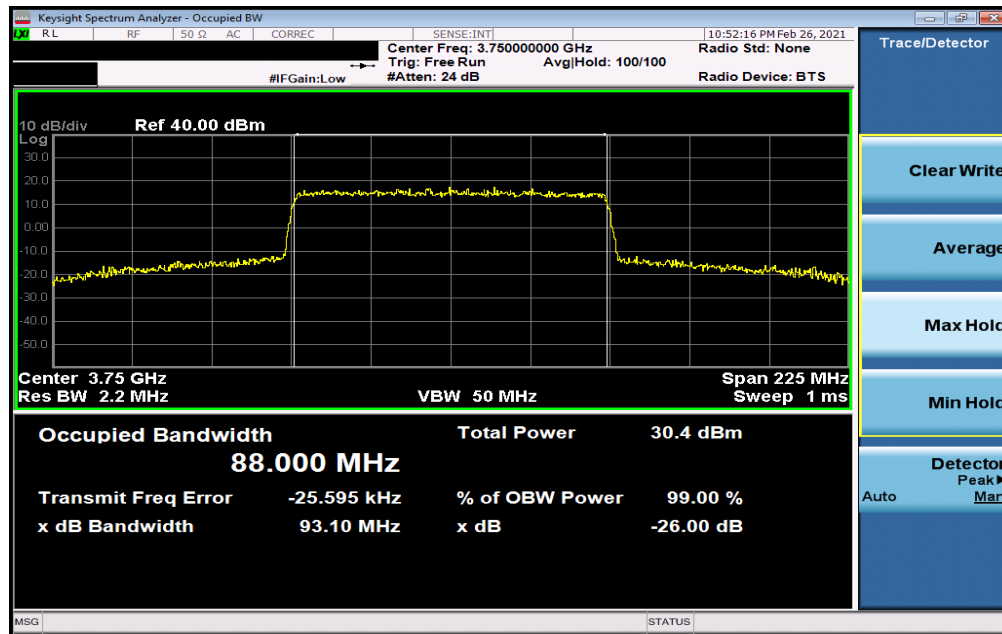


Plot 7-81. Occupied Bandwidth Plot (NR Band n77 - 90MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

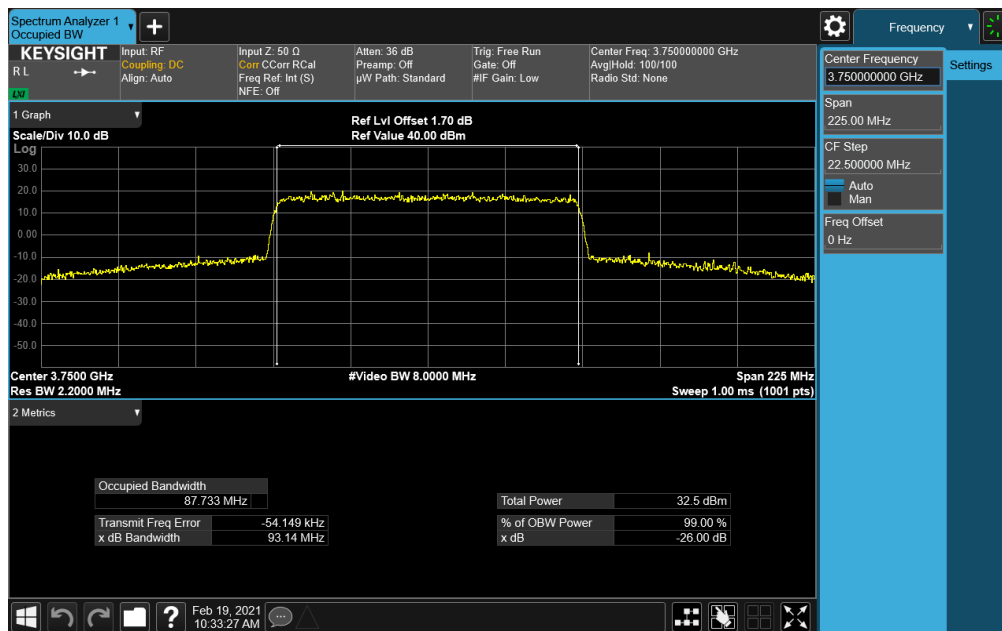
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 57 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-82. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB Configuration)

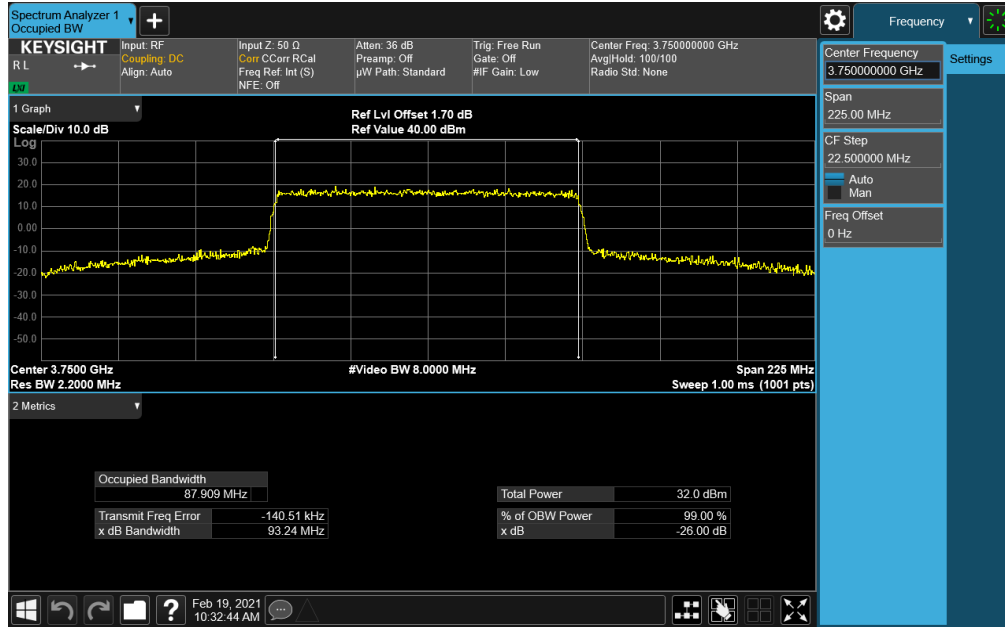


Plot 7-83. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM 16-QAM - Full RB Configuration)

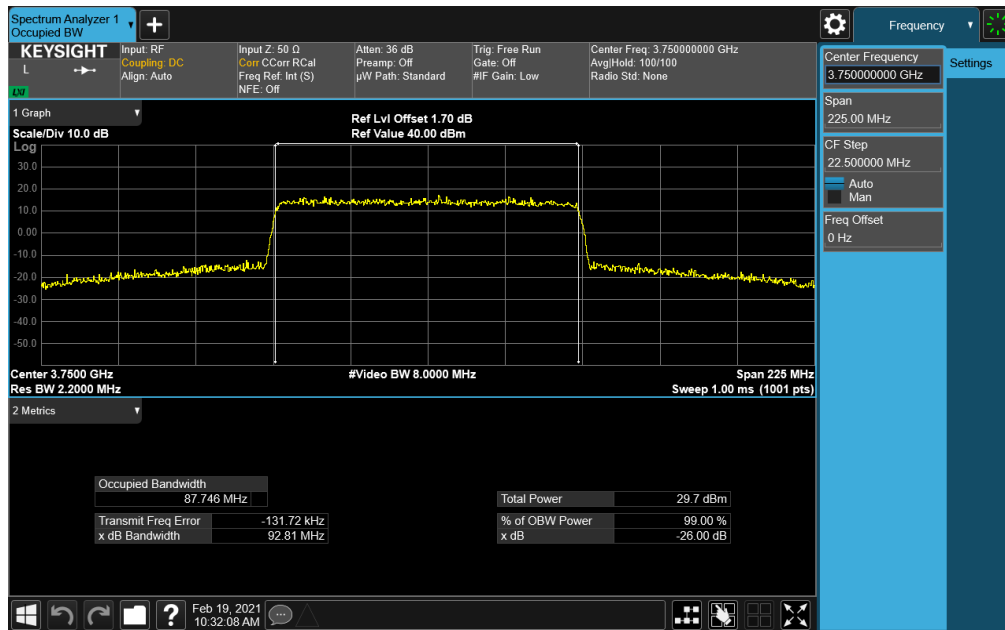
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 58 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-84. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM 64-QAM - Full RB Configuration)

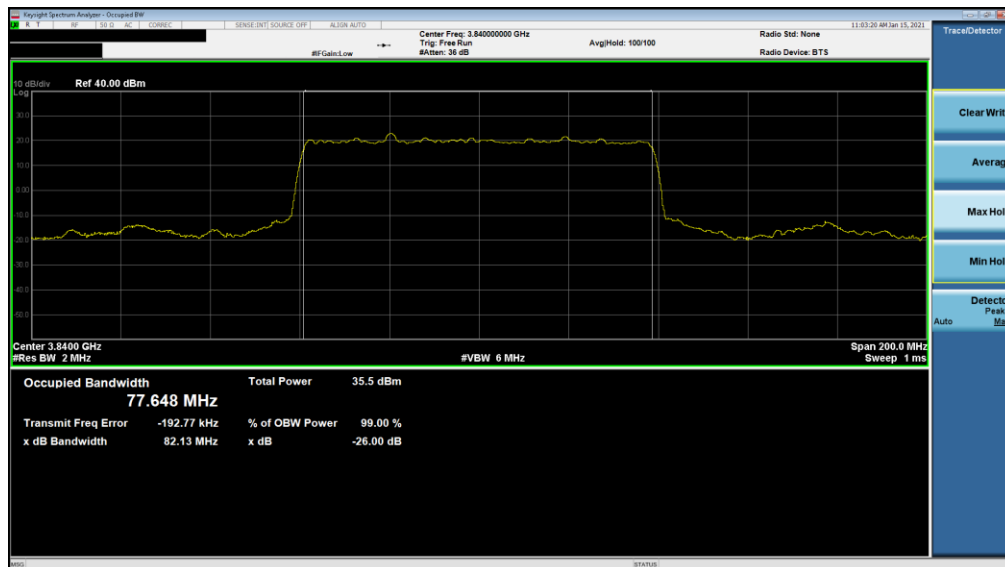


Plot 7-85. Occupied Bandwidth Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB Configuration)

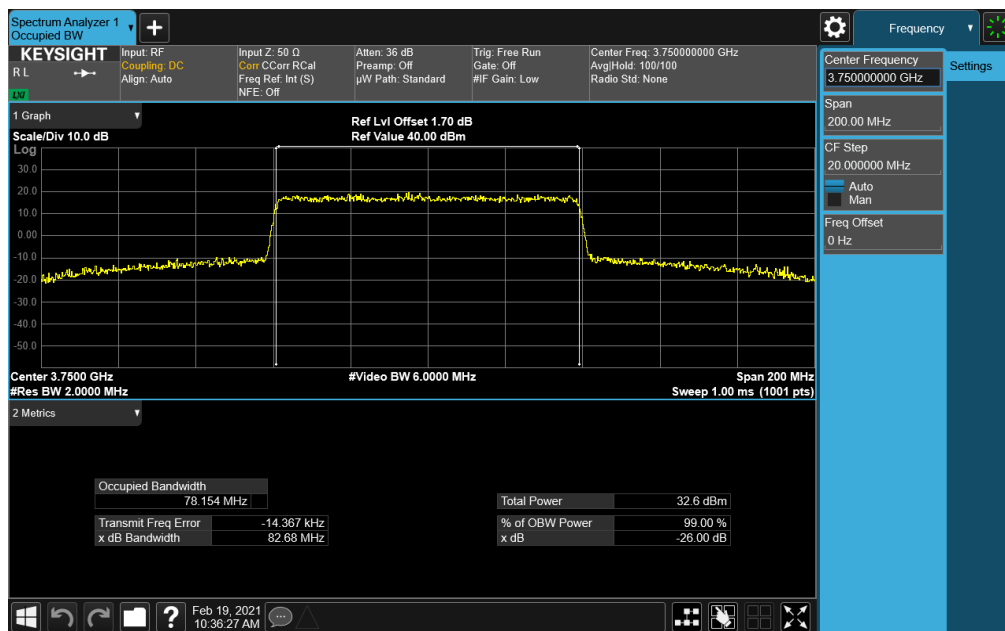
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 59 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-86. Occupied Bandwidth Plot (NR Band n77 - 80MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

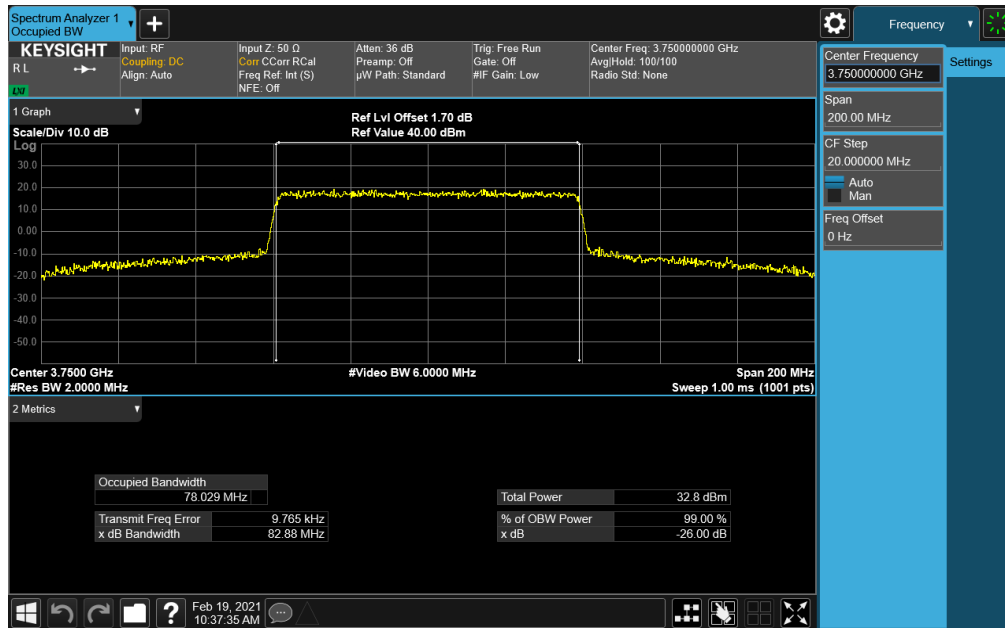


Plot 7-87. Occupied Bandwidth Plot (NR Band n77 - 80MHz CP-OFDM QPSK - Full RB Configuration)

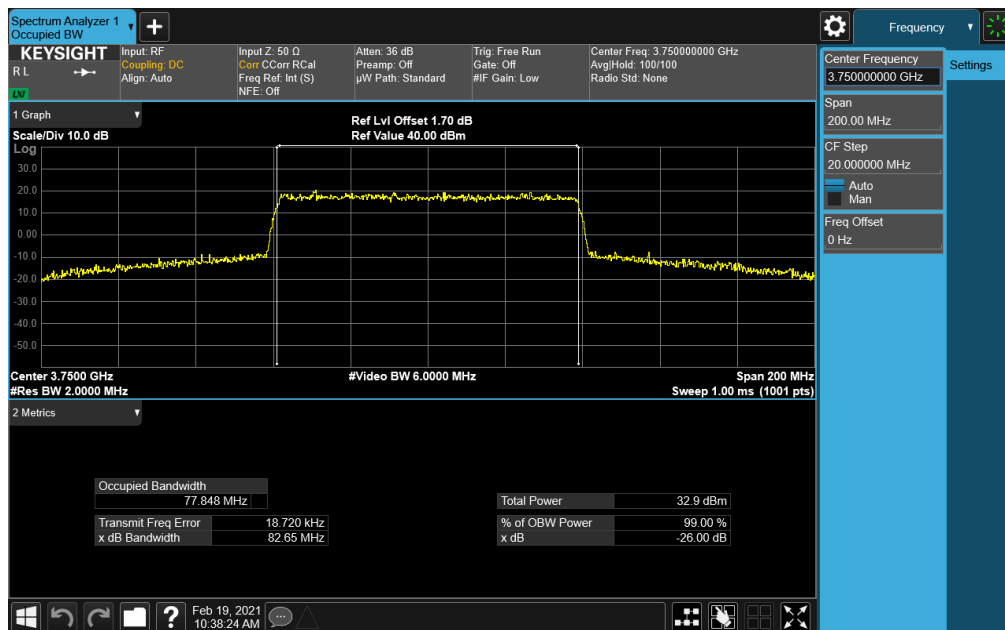
FCC ID: BCGA2301	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 60 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-88. Occupied Bandwidth Plot (NR Band n77 - 80MHz CP-OFDM 16-QAM - Full RB Configuration)

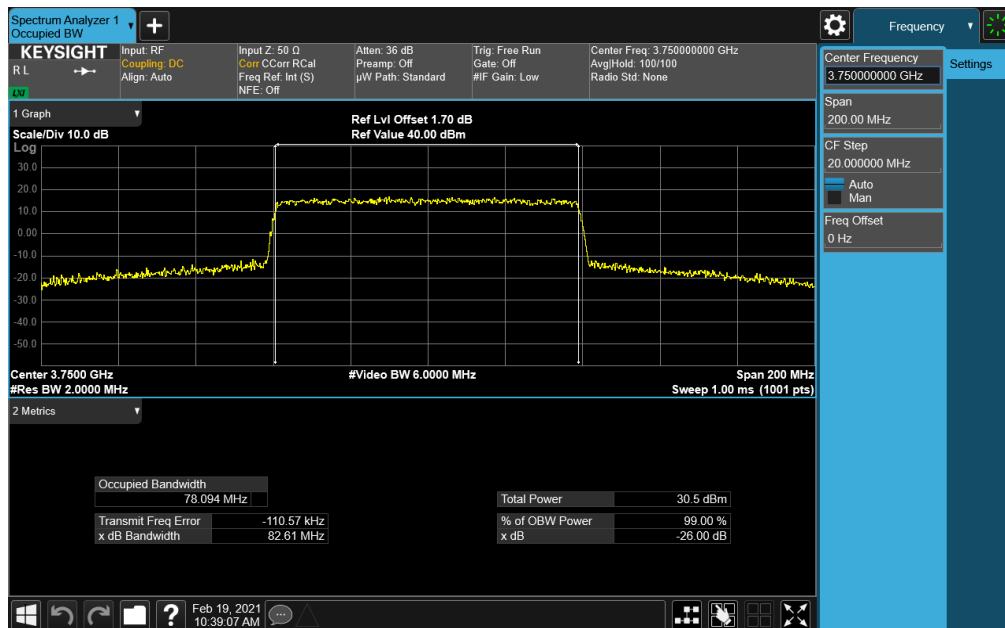


Plot 7-89. Occupied Bandwidth Plot (NR Band n77 - 80MHz CP-OFDM 64-QAM - Full RB Configuration)

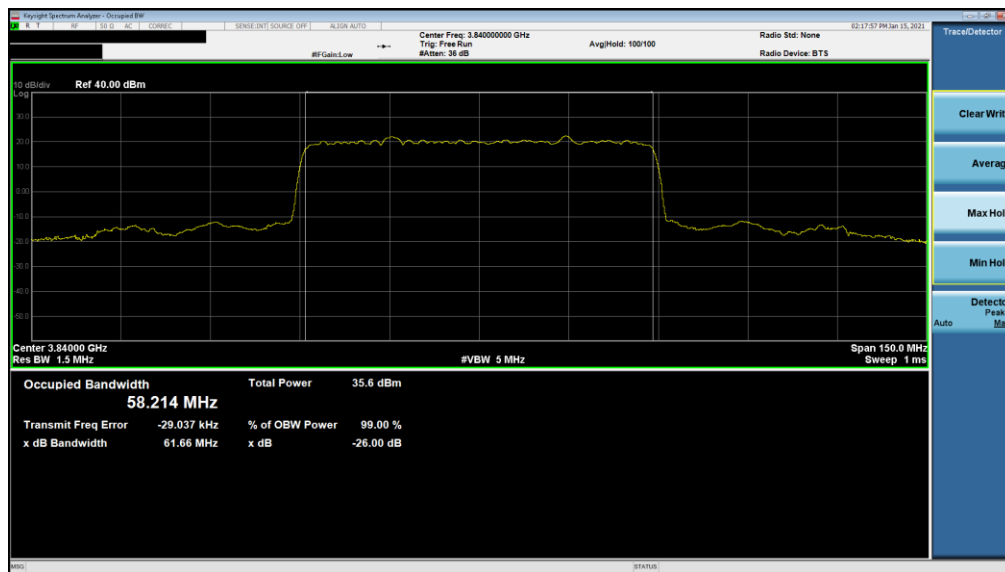
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 61 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-90. Occupied Bandwidth Plot (NR Band n77 - 80MHz CP-OFDM 256-QAM - Full RB Configuration)

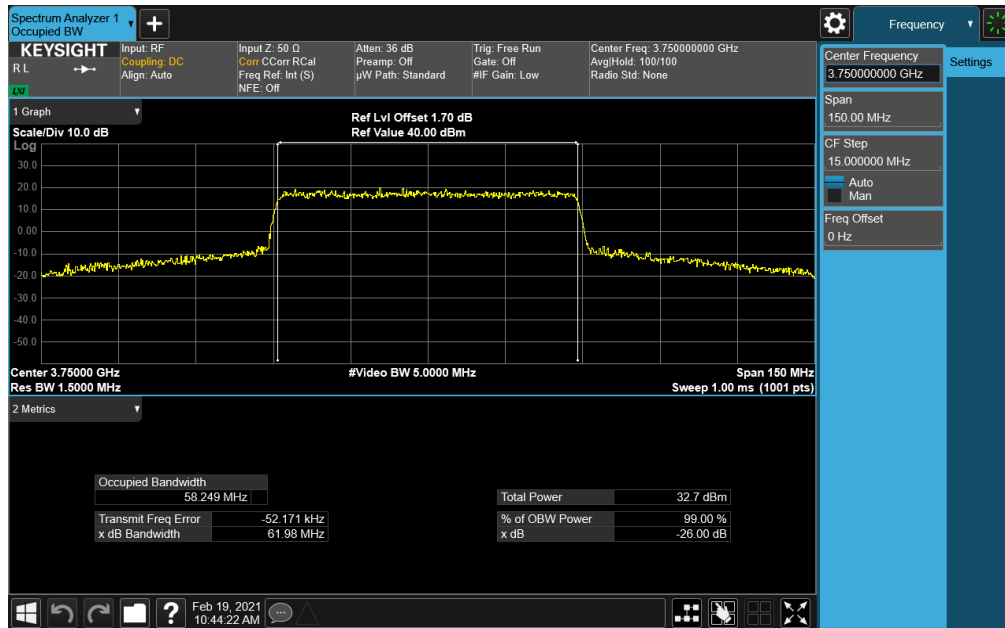


Plot 7-91. Occupied Bandwidth Plot (NR Band n77 - 60MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

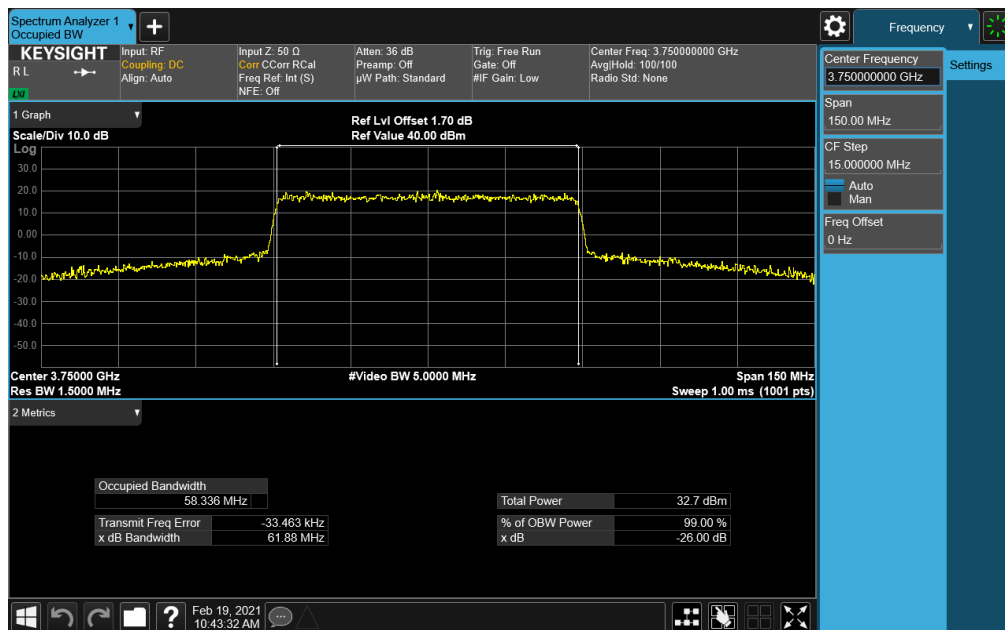
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 62 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-92. Occupied Bandwidth Plot (NR Band n77 - 60MHz CP-OFDM QPSK - Full RB Configuration)

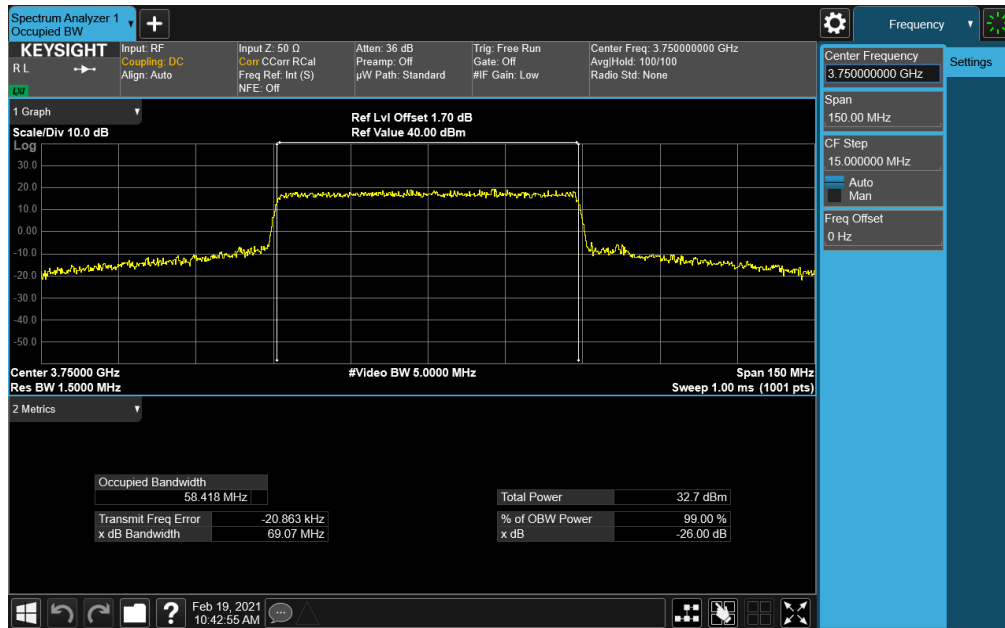


Plot 7-93. Occupied Bandwidth Plot (NR Band n77 - 60MHz CP-OFDM 16-QAM - Full RB Configuration)

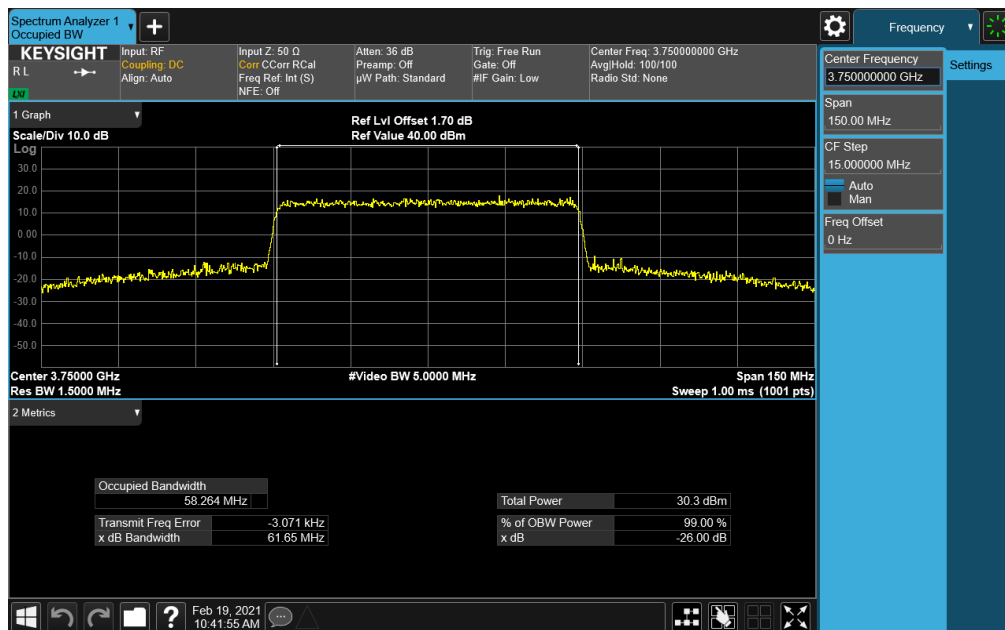
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 63 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-94. Occupied Bandwidth Plot (NR Band n77 - 60MHz CP-OFDM 64-QAM - Full RB Configuration)

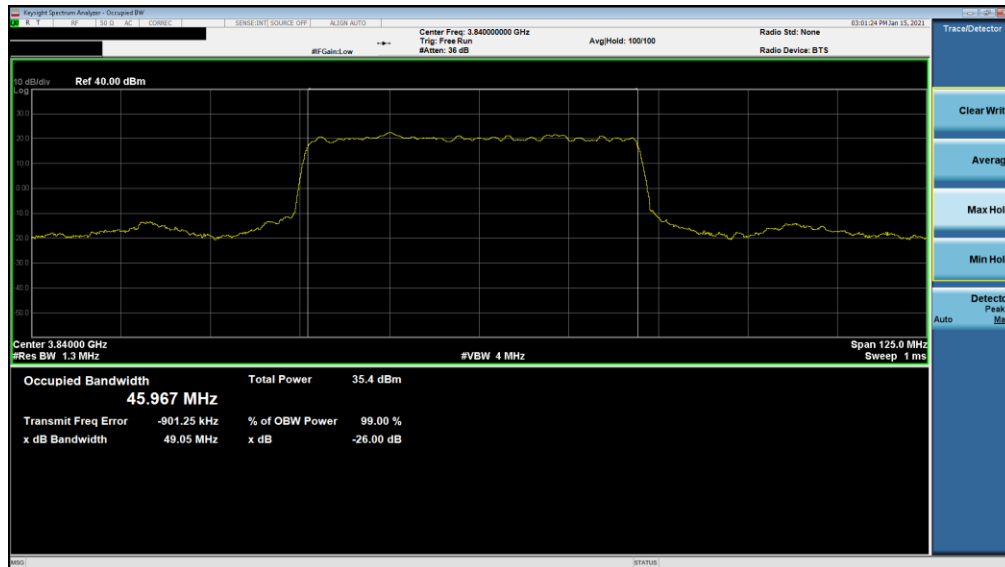


Plot 7-95. Occupied Bandwidth Plot (NR Band n77 - 60MHz CP-OFDM 256-QAM - Full RB Configuration)

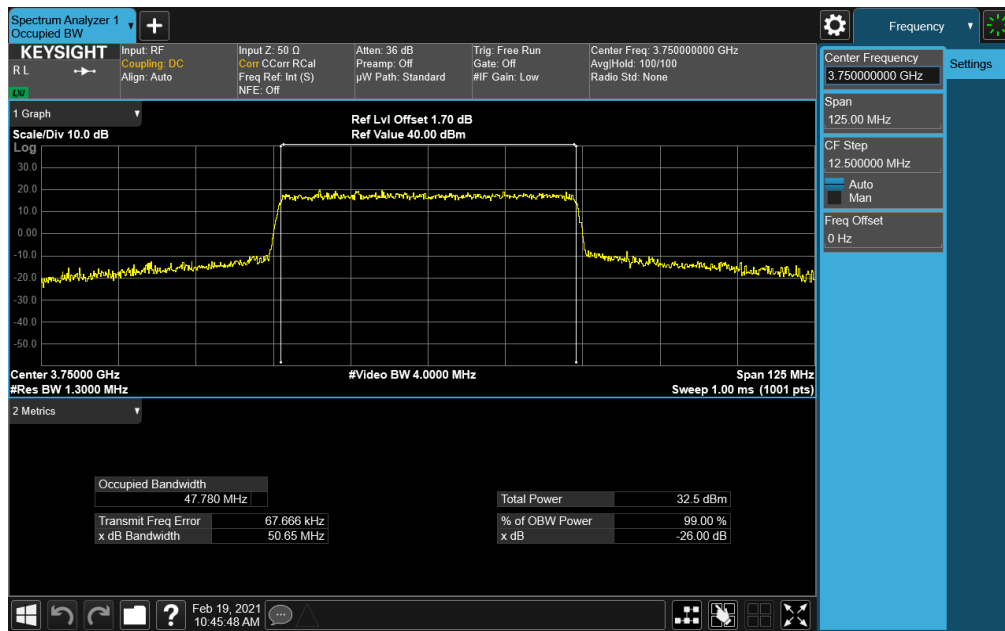
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 64 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-96. Occupied Bandwidth Plot (NR Band n77 - 50MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

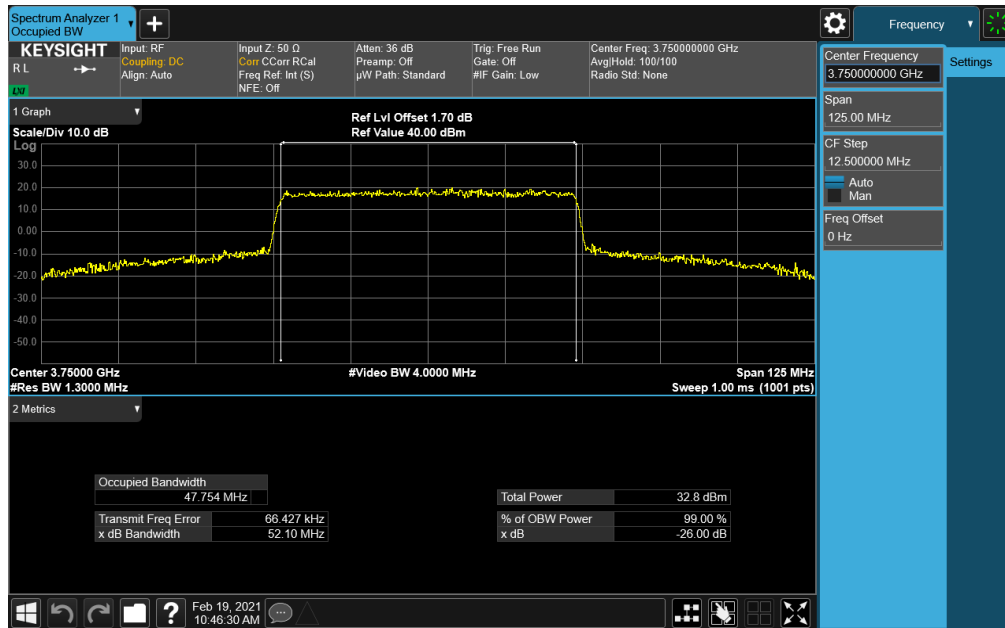


Plot 7-97. Occupied Bandwidth Plot (NR Band n77 - 50MHz CP-OFDM QPSK - Full RB Configuration)

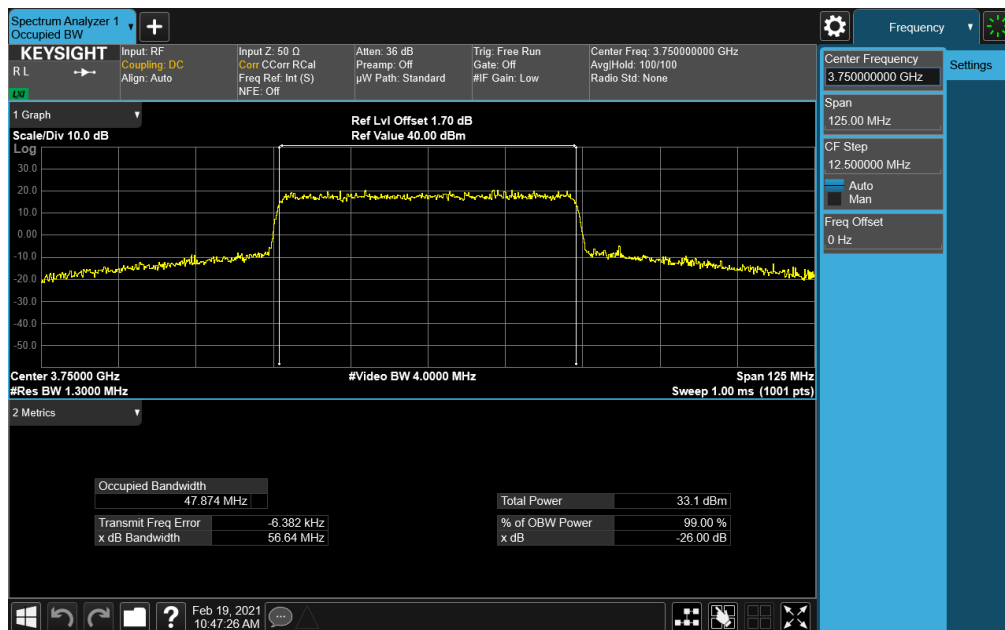
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 65 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-98. Occupied Bandwidth Plot (NR Band n77 - 50MHz CP-OFDM 16-QAM - Full RB Configuration)

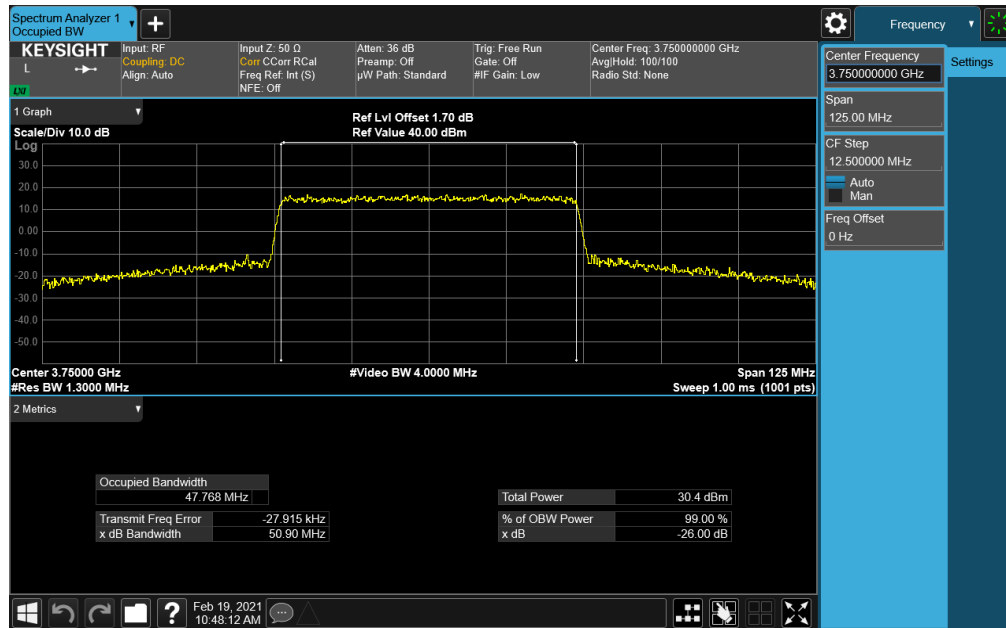


Plot 7-99. Occupied Bandwidth Plot (NR Band n77 - 50MHz CP-OFDM 64-QAM - Full RB Configuration)

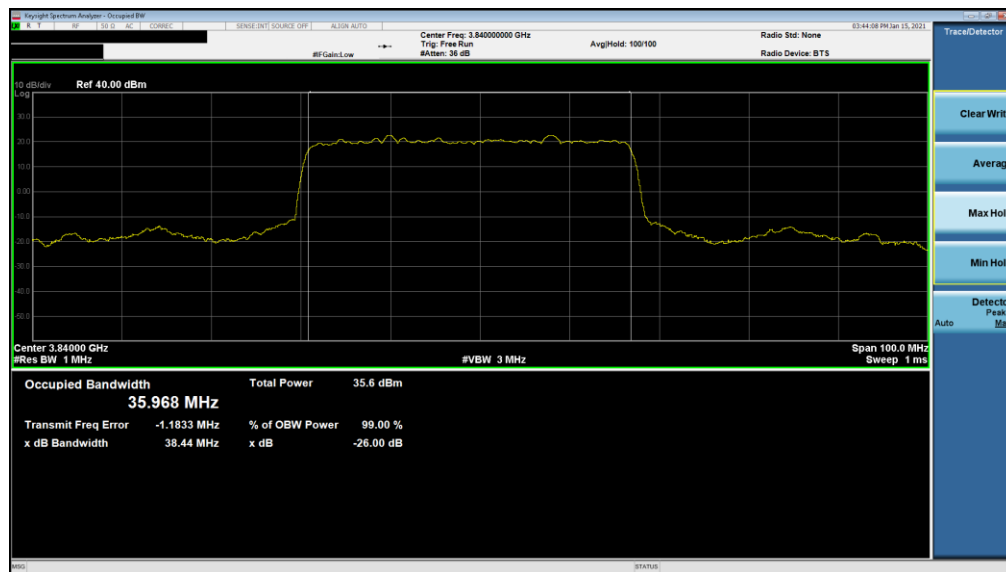
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 66 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-100. Occupied Bandwidth Plot (NR Band n77 - 50MHz CP-OFDM 256-QAM - Full RB Configuration)

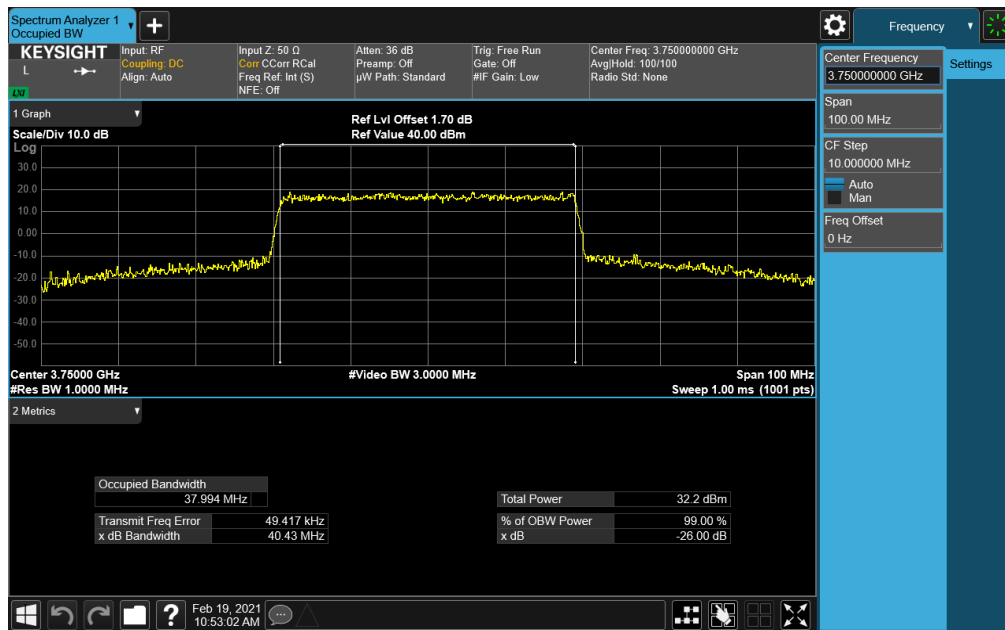


Plot 7-101. Occupied Bandwidth Plot (NR Band n77 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

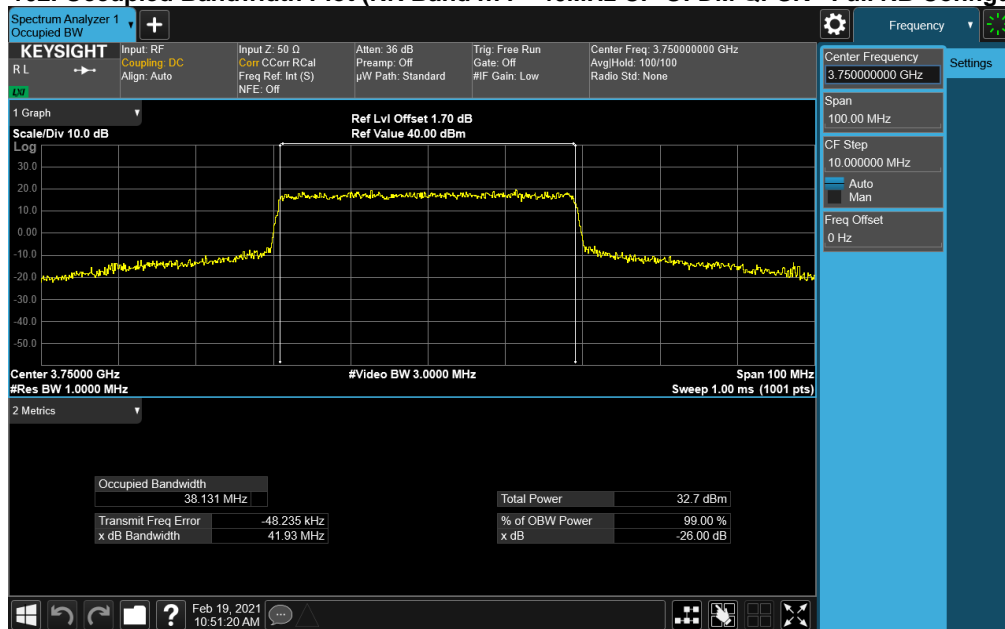
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 67 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-102. Occupied Bandwidth Plot (NR Band n77 - 40MHz CP-OFDM QPSK - Full RB Configuration)

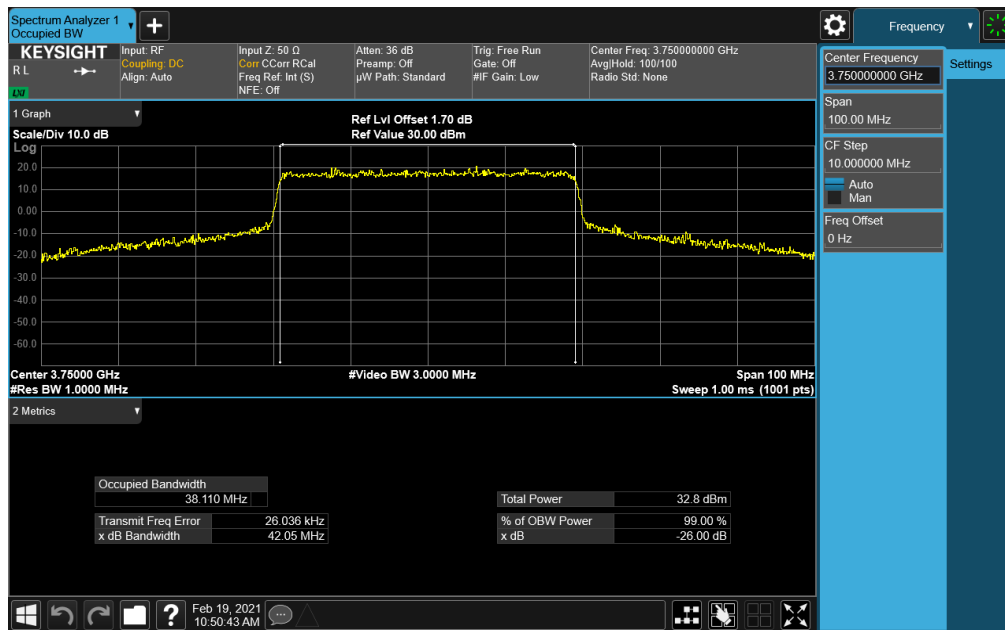


Plot 7-103. Occupied Bandwidth Plot (NR Band n77 - 40MHz CP-OFDM 16-QAM - Full RB Configuration)

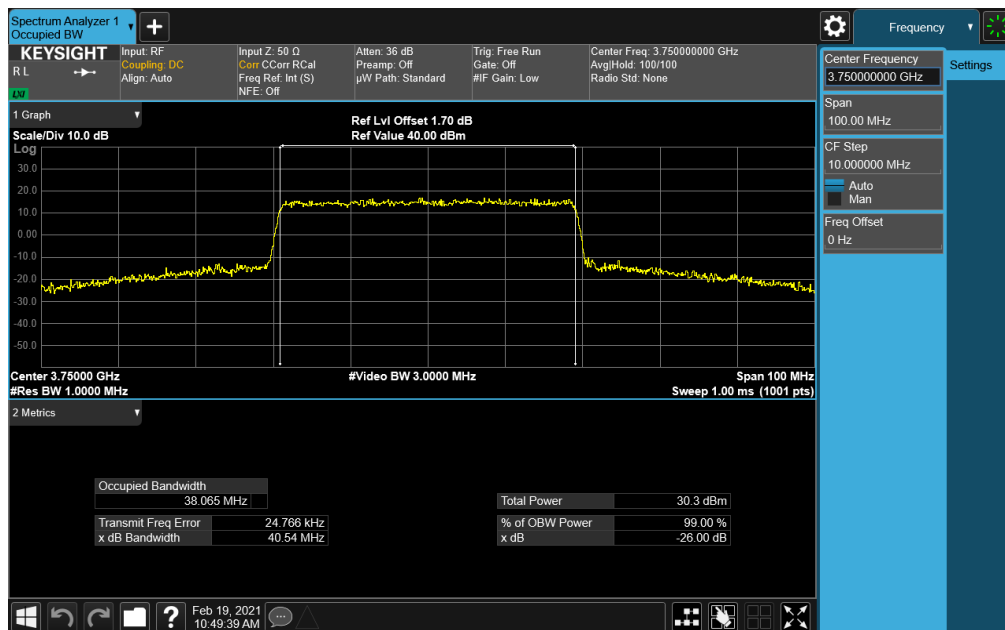
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 68 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-104. Occupied Bandwidth Plot (NR Band n77 - 40MHz CP-OFDM 64-QAM - Full RB Configuration)

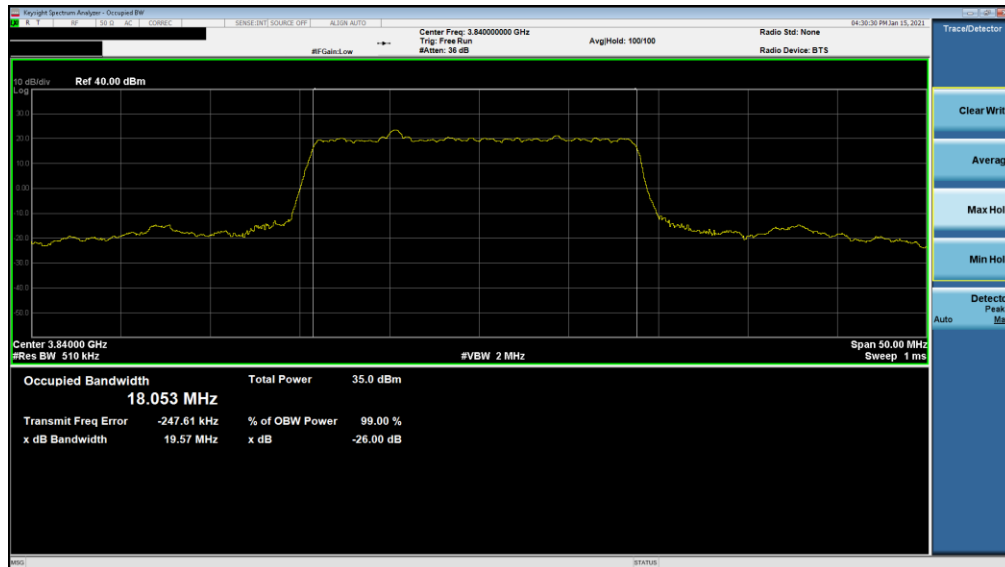


Plot 7-105. Occupied Bandwidth Plot (NR Band n77 - 40MHz CP-OFDM 256-QAM - Full RB Configuration)

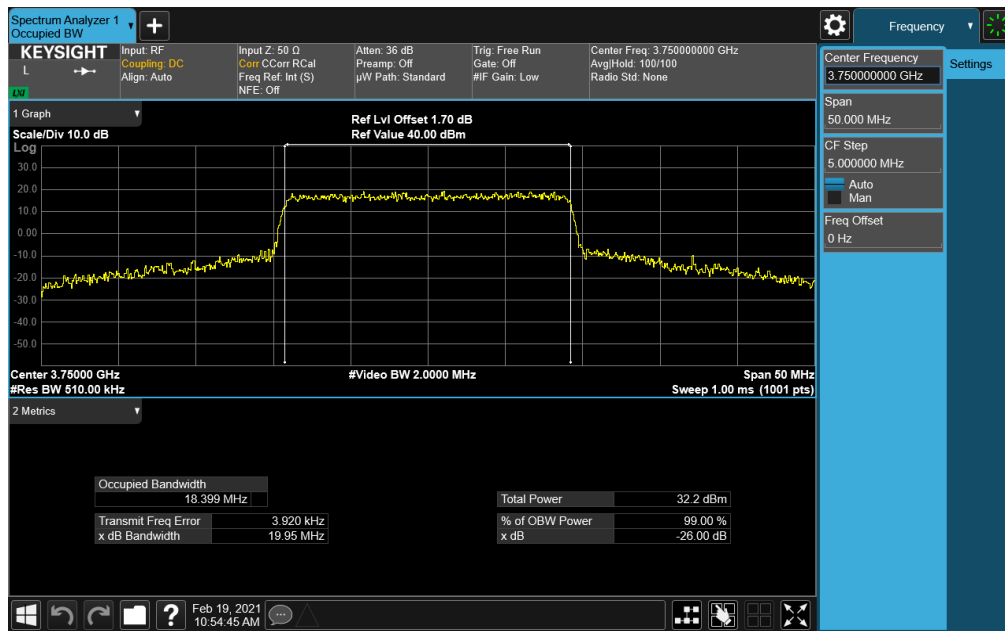
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 69 of 221

© 2021 PCTEST



All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-106. Occupied Bandwidth Plot (NR Band n77 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB Configuration)

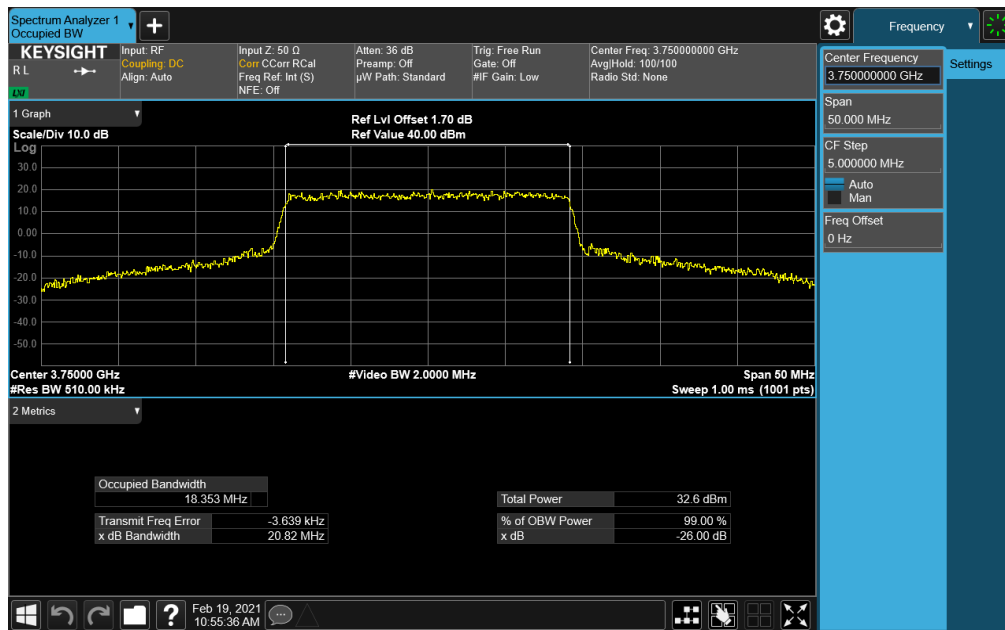


Plot 7-107. Occupied Bandwidth Plot (NR Band n77 - 20MHz CP-OFDM QPSK - Full RB Configuration)

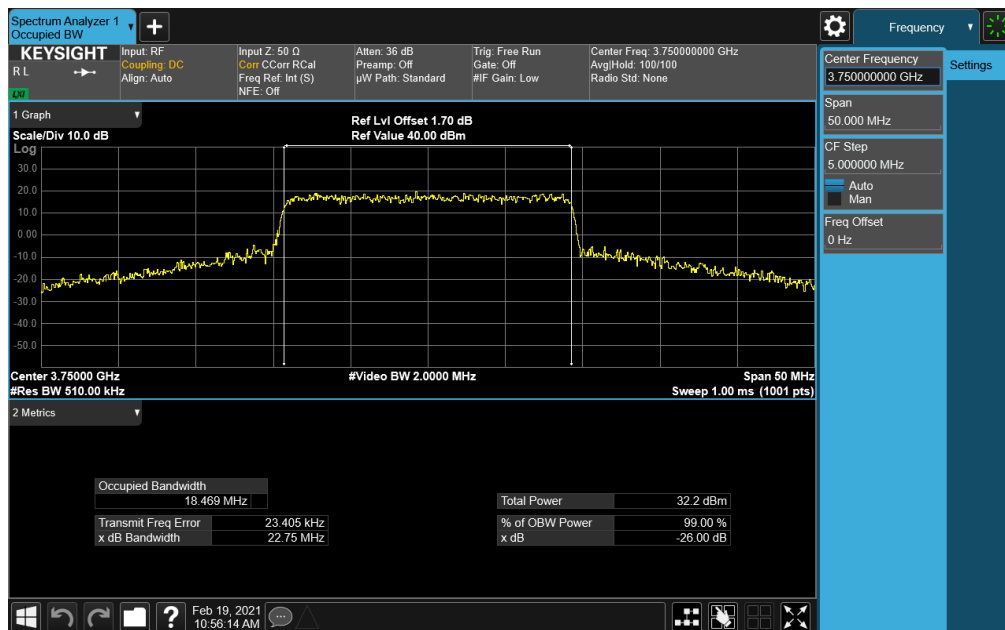
FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 70 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-108. Occupied Bandwidth Plot (NR Band n77 - 20MHz CP-OFDM 16-QAM - Full RB Configuration)



Plot 7-109. Occupied Bandwidth Plot (NR Band n77 - 20MHz CP-OFDM 64-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 71 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



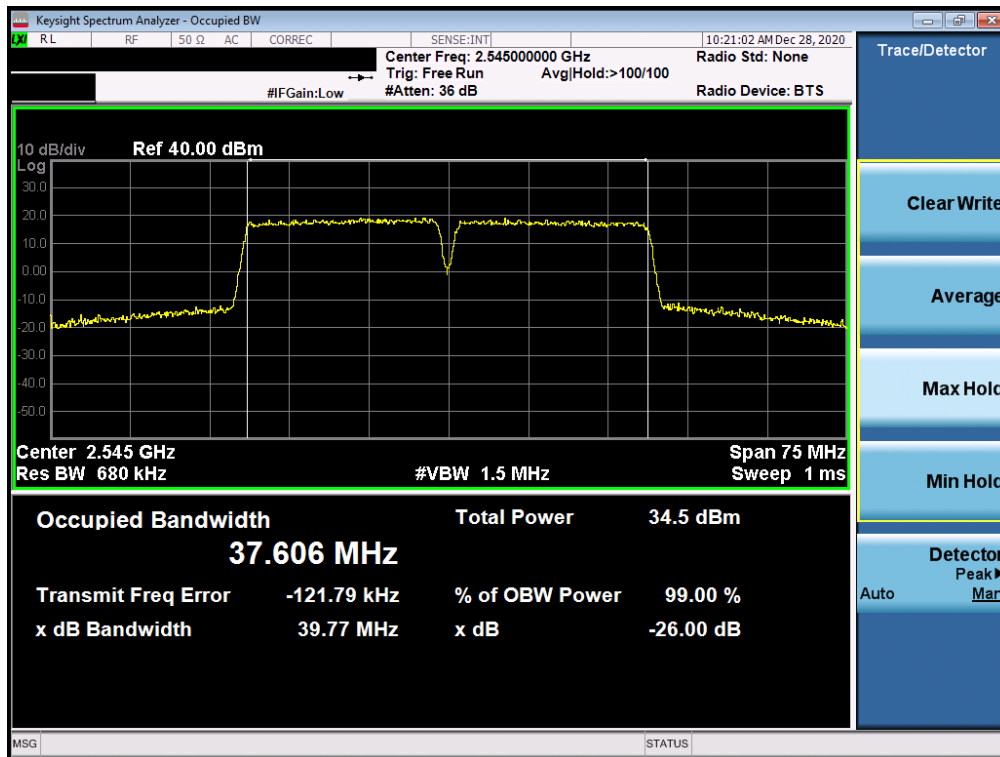
Plot 7-110. Occupied Bandwidth Plot (NR Band n77 - 20MHz CP-OFDM 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 72 of 221

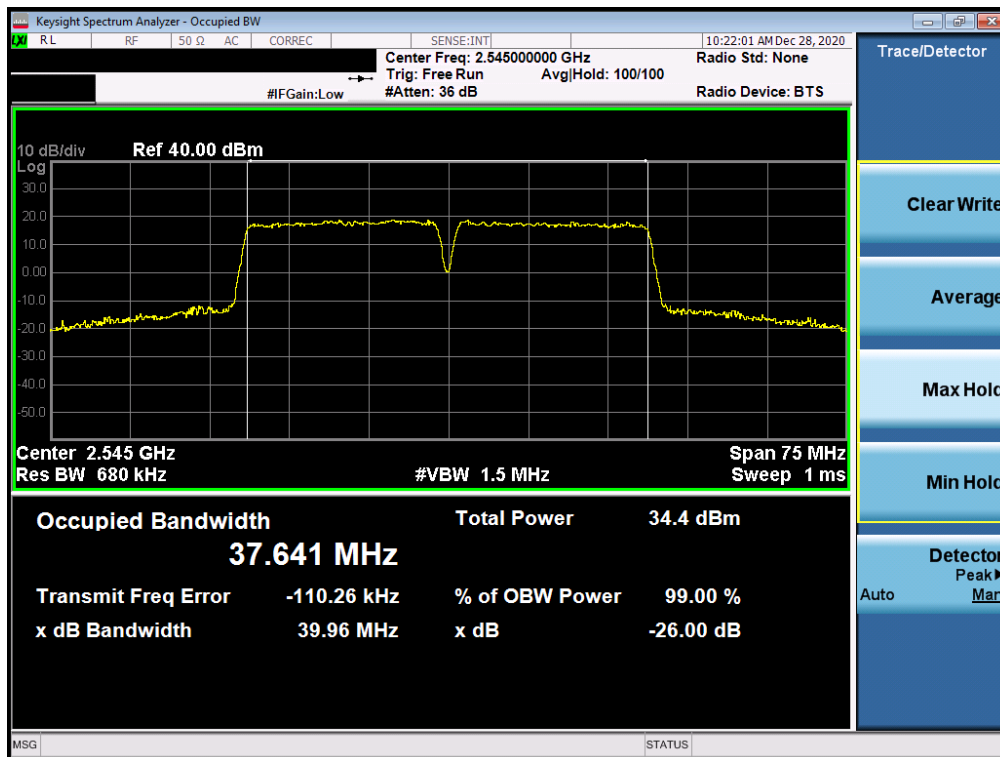
© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

ULCA - LTE Band 7



Plot 7-111. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz QPSK - Full RB Configuration)

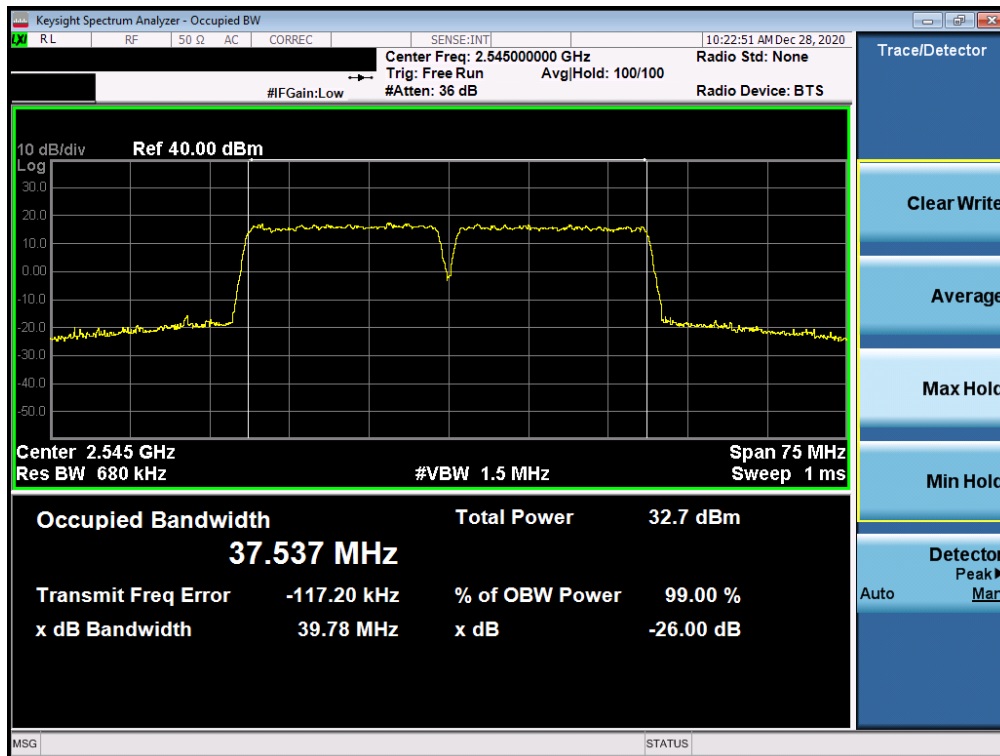


Plot 7-112. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz 16-QAM - Full RB Configuration)

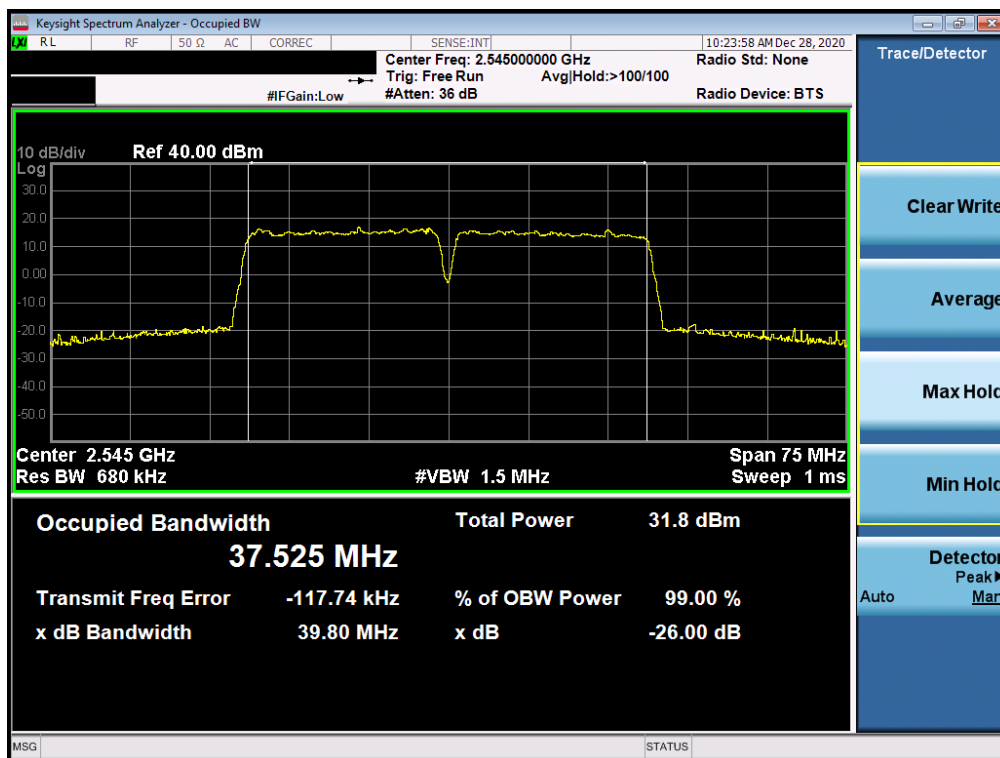
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 73 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-113. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz 64-QAM - Full RB Configuration)



Plot 7-114. Occupied Bandwidth Plot (ULCA - LTE Band 7 - (20 + 20)MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 74 of 221

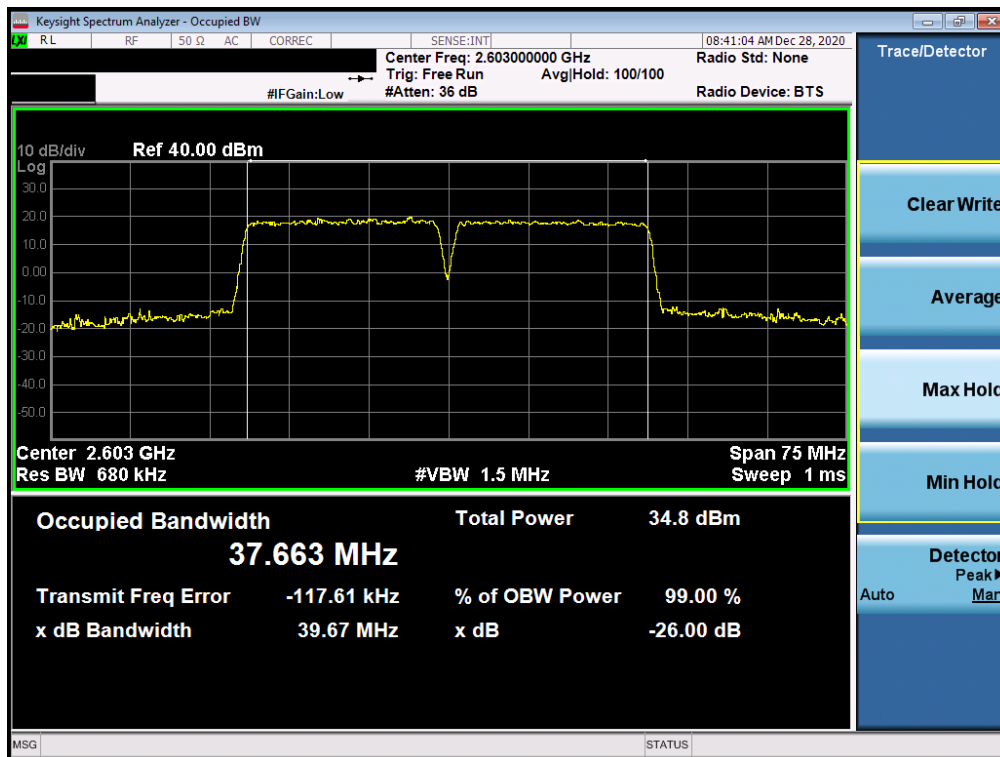
© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

ULCA - LTE Band 41



Plot 7-115. h Occupied Bandwidth Plot (LTE Band 41 - (20 + 20)MHz QPSK - Full RB Configuration)

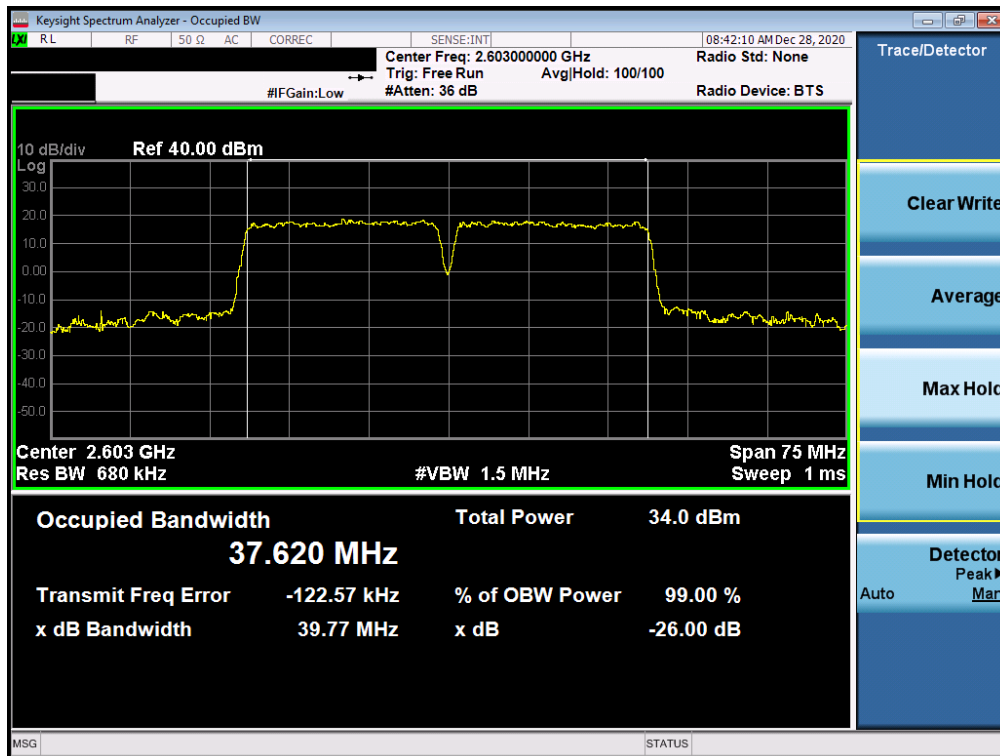


Plot 7-116. Occupied Bandwidth Plot (LTE Band 41 - (20 + 20)MHz 16-QAM - Full RB Configuration)

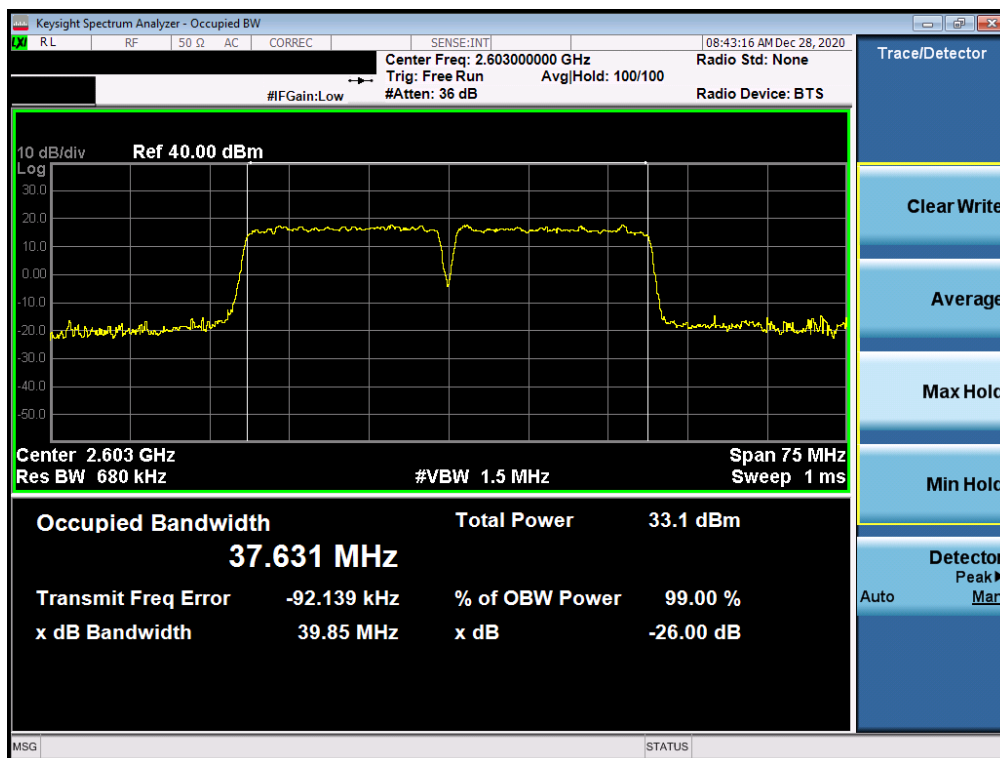
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 75 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-117. Occupied Bandwidth Plot (LTE Band 41 - (20 + 20)MHz 64-QAM - Full RB Configuration)



Plot 7-118. Occupied Bandwidth Plot (LTE Band 41 - (20 + 20)MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 76 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

7.3 Spurious and Harmonic Emissions at Antenna Terminal §2.1051, §27.53(a), §27.53(m)

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates 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. All ports were tested and only the worst case data were reported.

For Band 30, the minimum permissible attenuation level of any spurious emission <2288MHz and >2365MHz is $70 + 10 \log_{10}(P_{[Watts]})$.

For LTE Bands 7, 41, and NR FR1 Band n41 the minimum permissible, n41 the minimum permissible attenuation level of any spurious emission is $55 + 10 \log_{10}(P_{[Watts]})$.

For NR FR1 Band n77, The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 10GHz (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

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

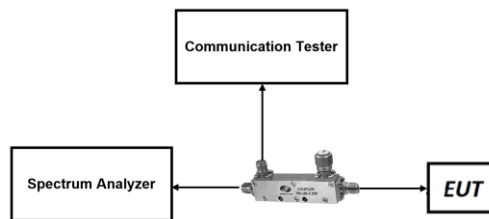



Figure 7-2. Test Instrument & Measurement Setup


FCC ID: BCGA2301	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device
Page 77 of 221		

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

Test Notes

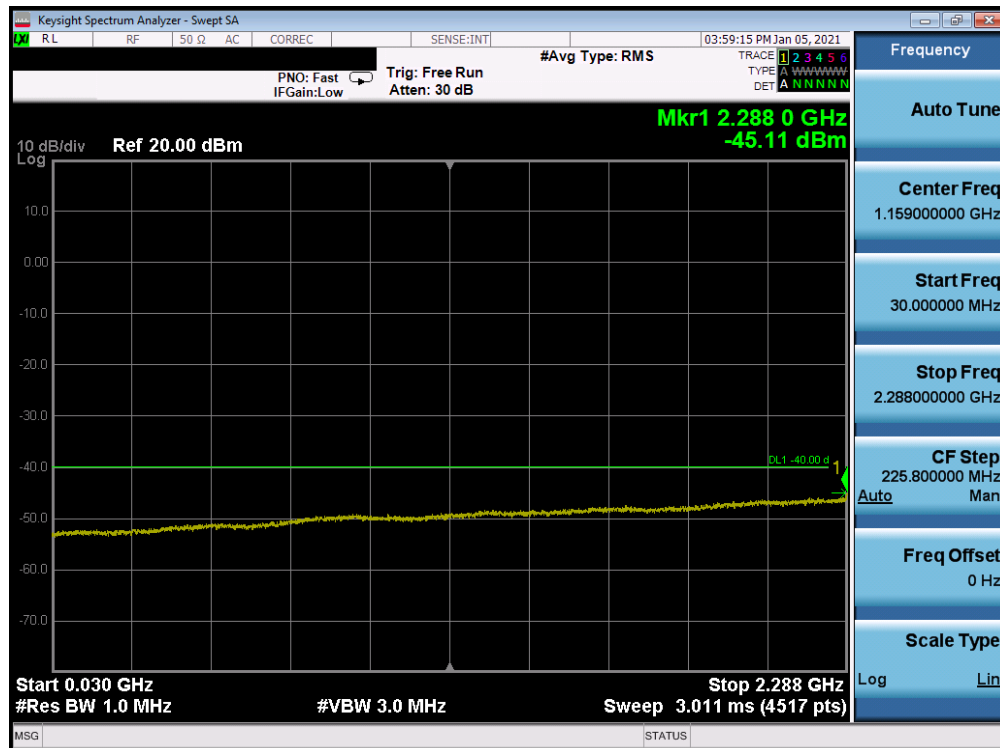
1. Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and 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.
3. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
4. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
5. Uplink carrier aggregation intra-band conducted spurious emissions were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device. The worst case (highest) powers were found while operating with QPSK modulation, as shown in the tables below, with both carriers set to transmit using 1RB.
6. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case

FCC ID: BCGA2301	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 78 of 221

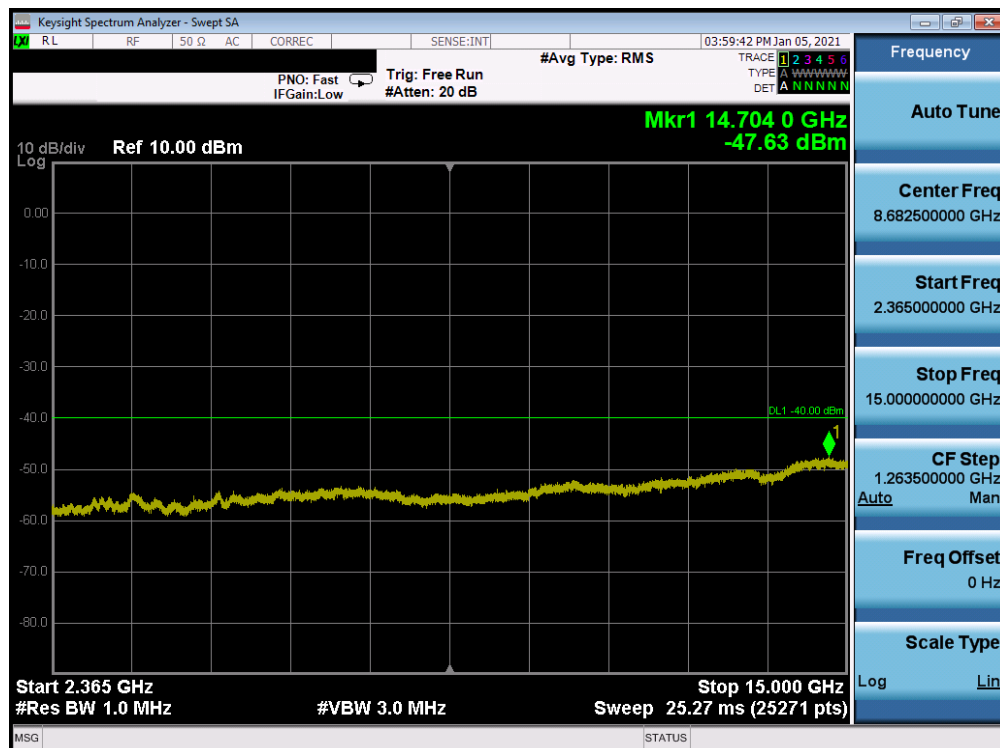
© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

Band 30



Plot 7-119. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)



Plot 7-120. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 79 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-121. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

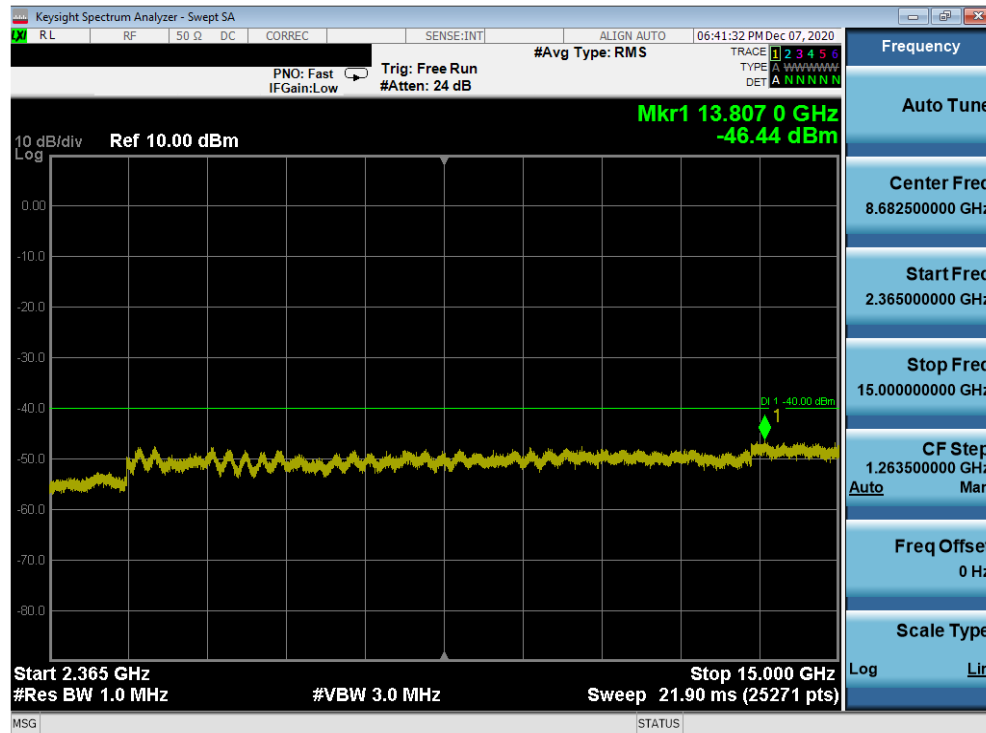


Plot 7-122. CSE (Band 30 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

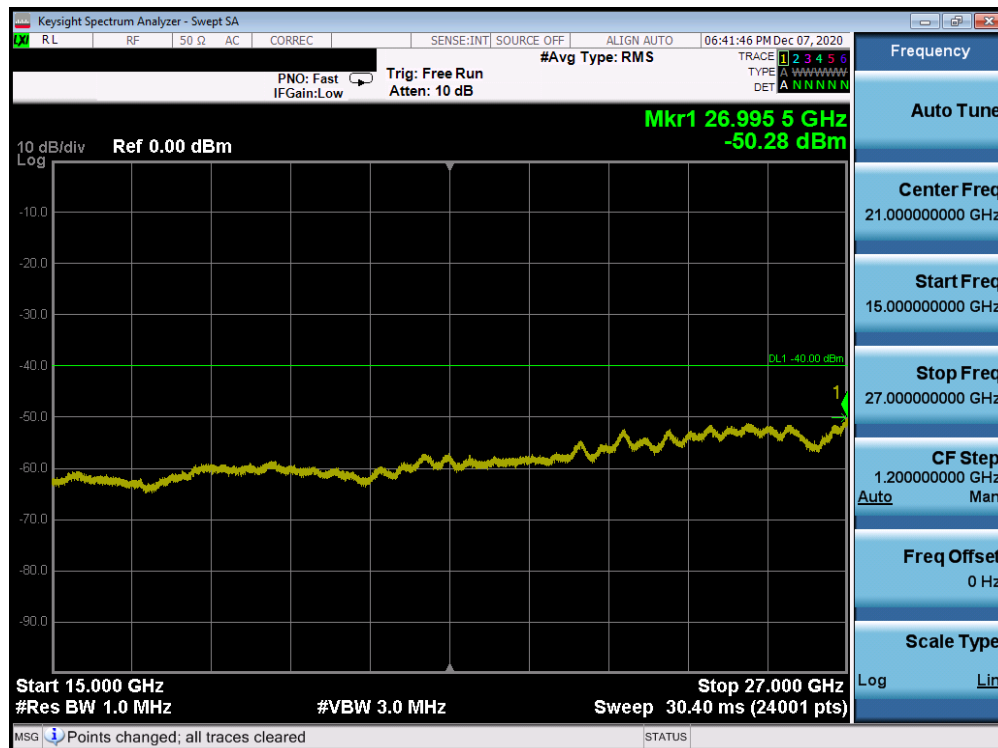
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 80 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-123. CSE (Band 30 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

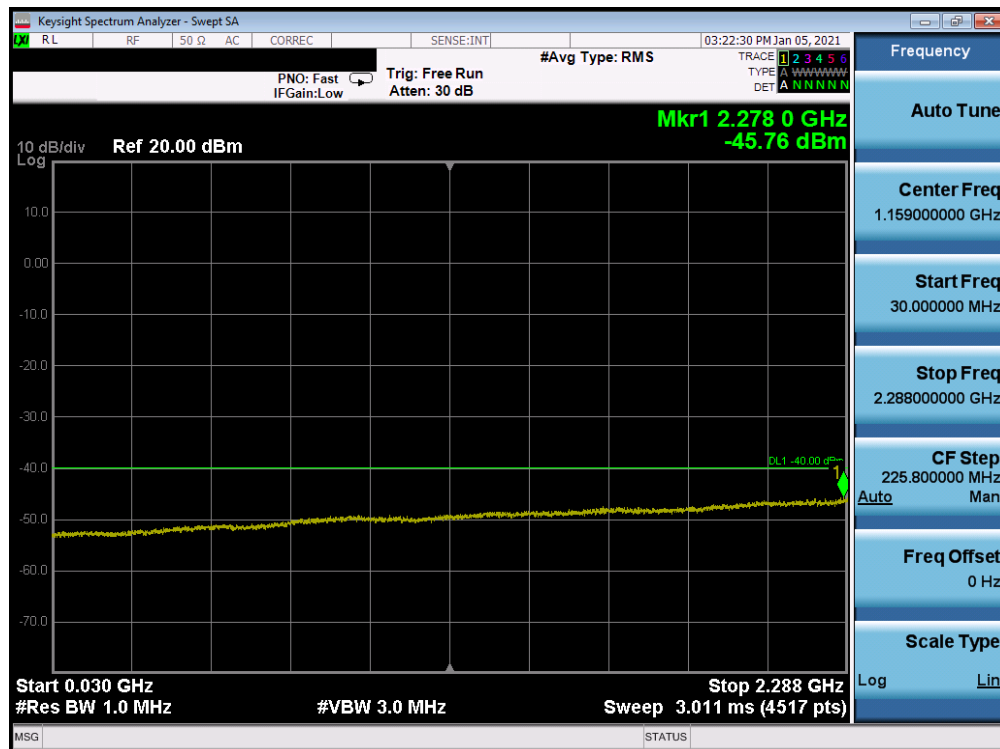


Plot 7-124. CSE (Band 30 - 10.0MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

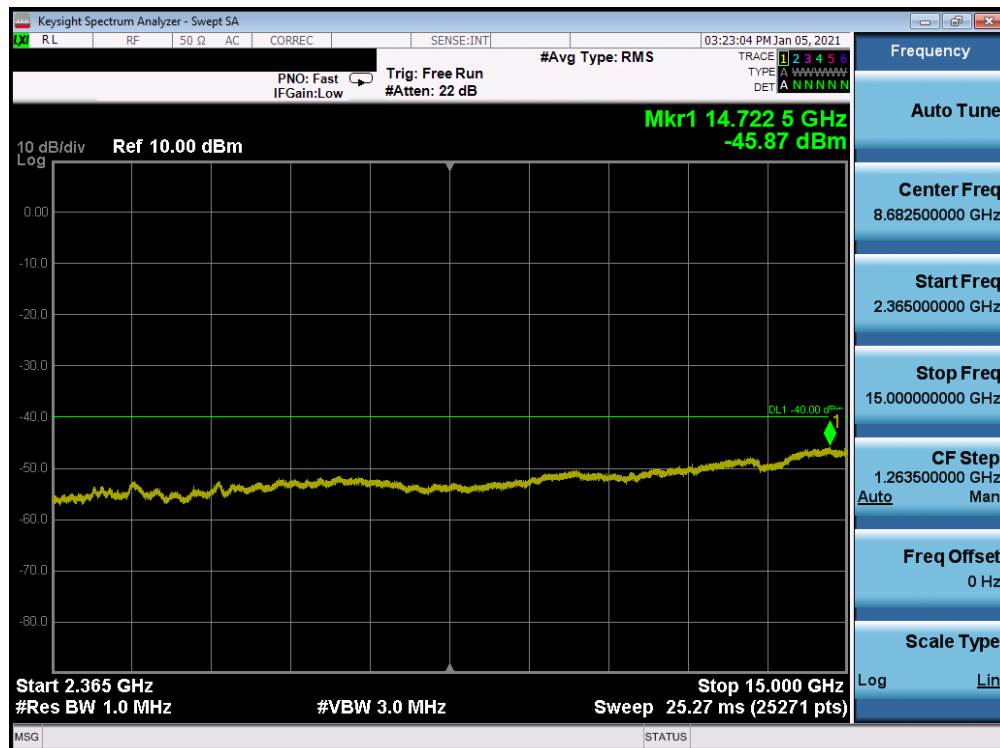
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 81 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-125. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-126. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 82 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



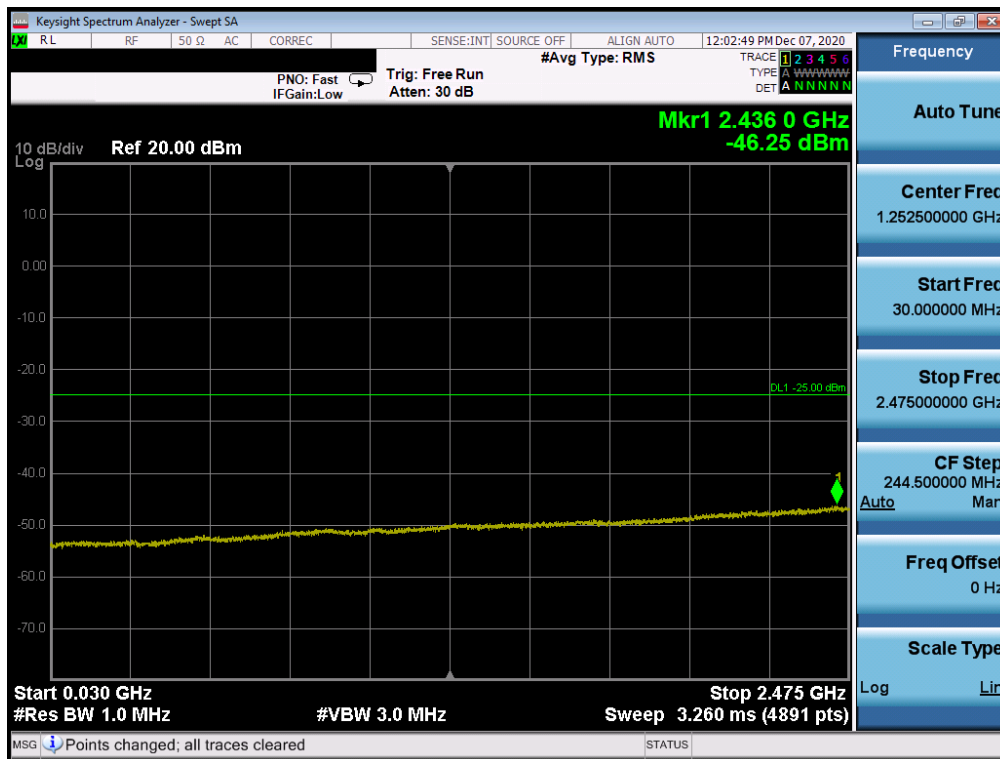
Plot 7-127. CSE (Band 30 - 5.0MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 83 of 221

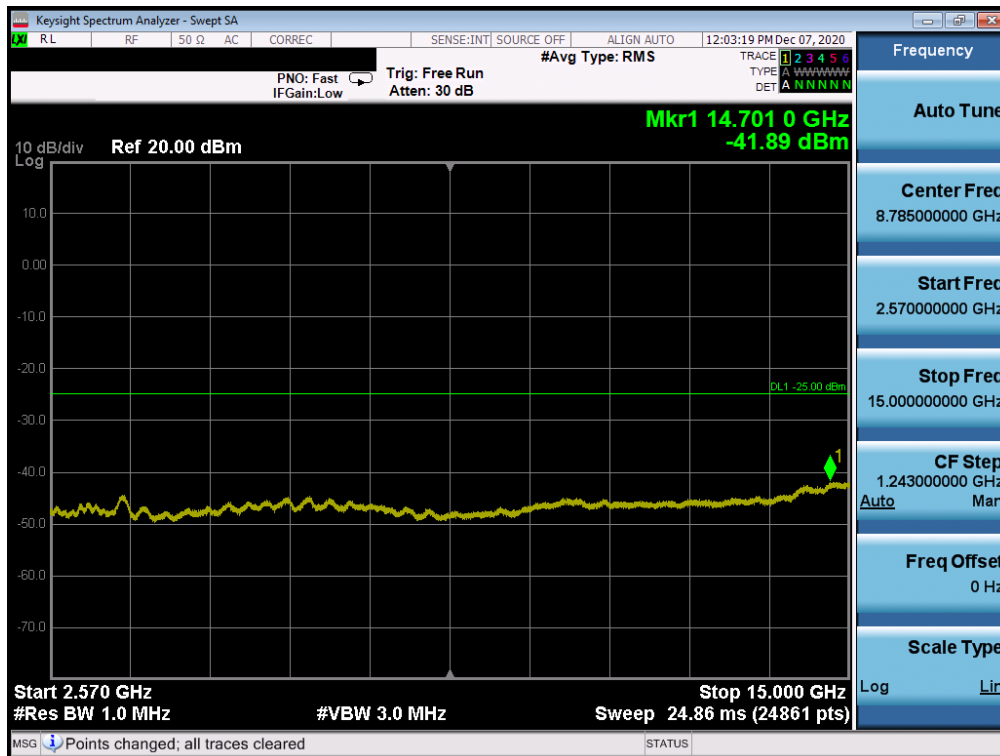
© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

LTE Band 7



Plot 7-128. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

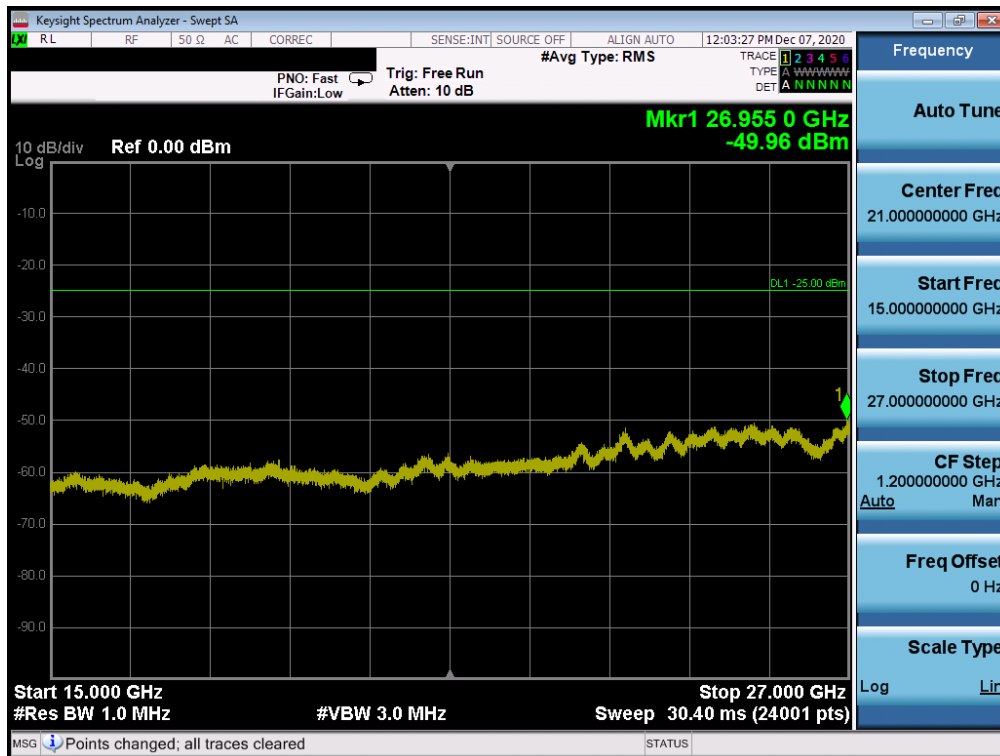


Plot 7-129. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

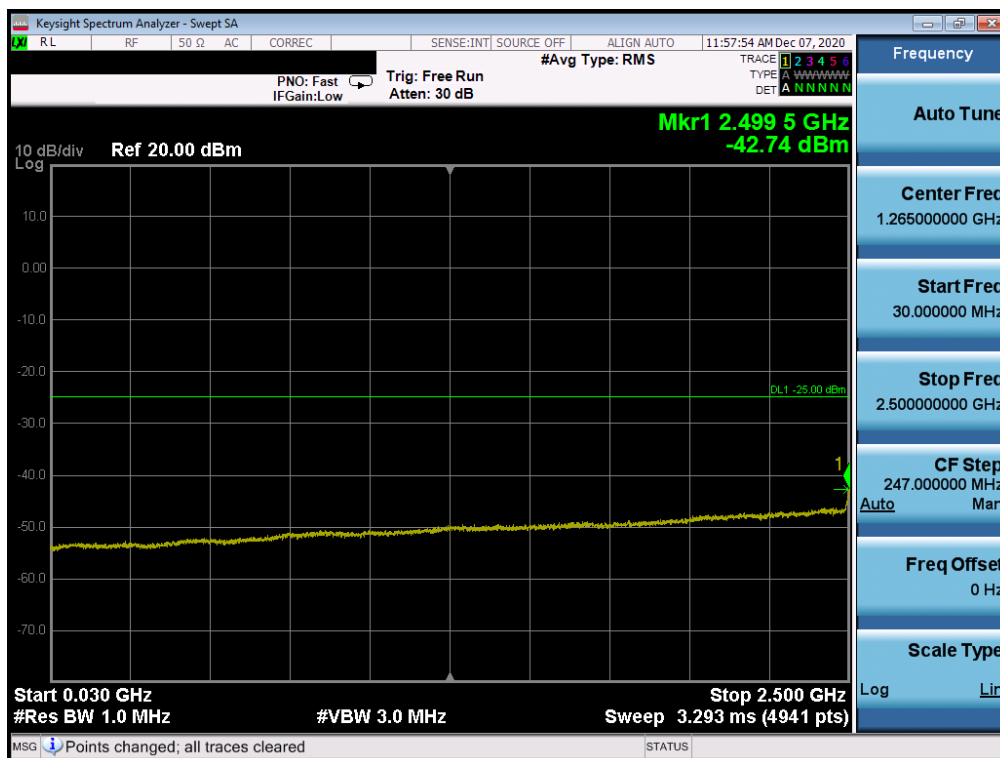
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 84 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-130. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

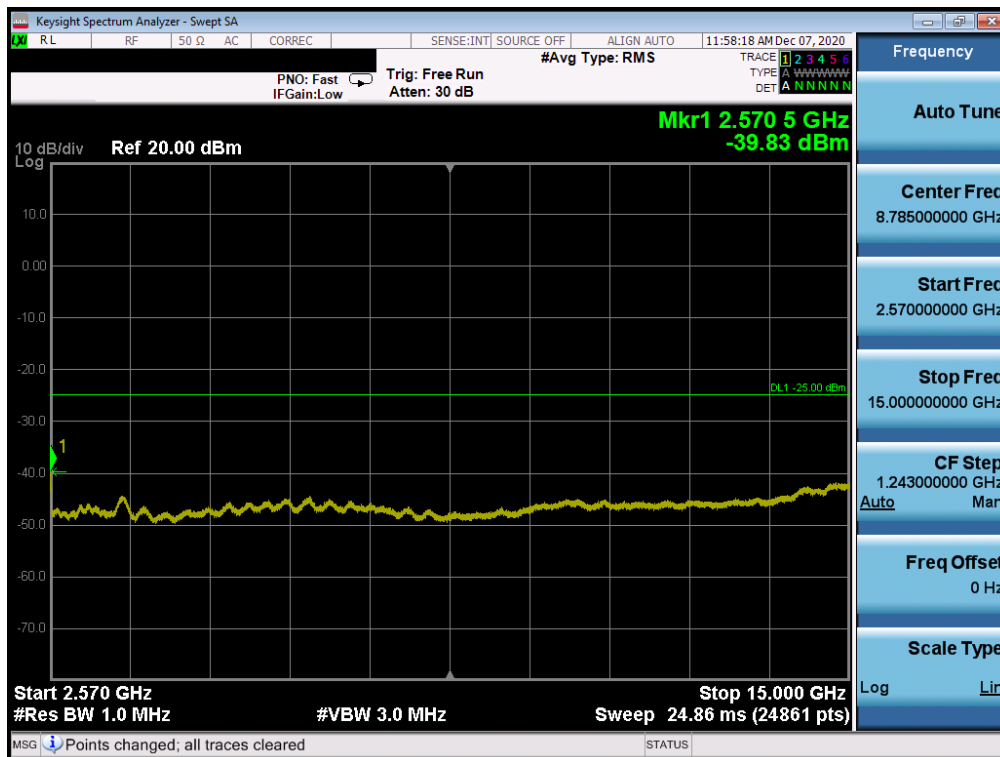


Plot 7-131. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 85 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-132. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)



Plot 7-133. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

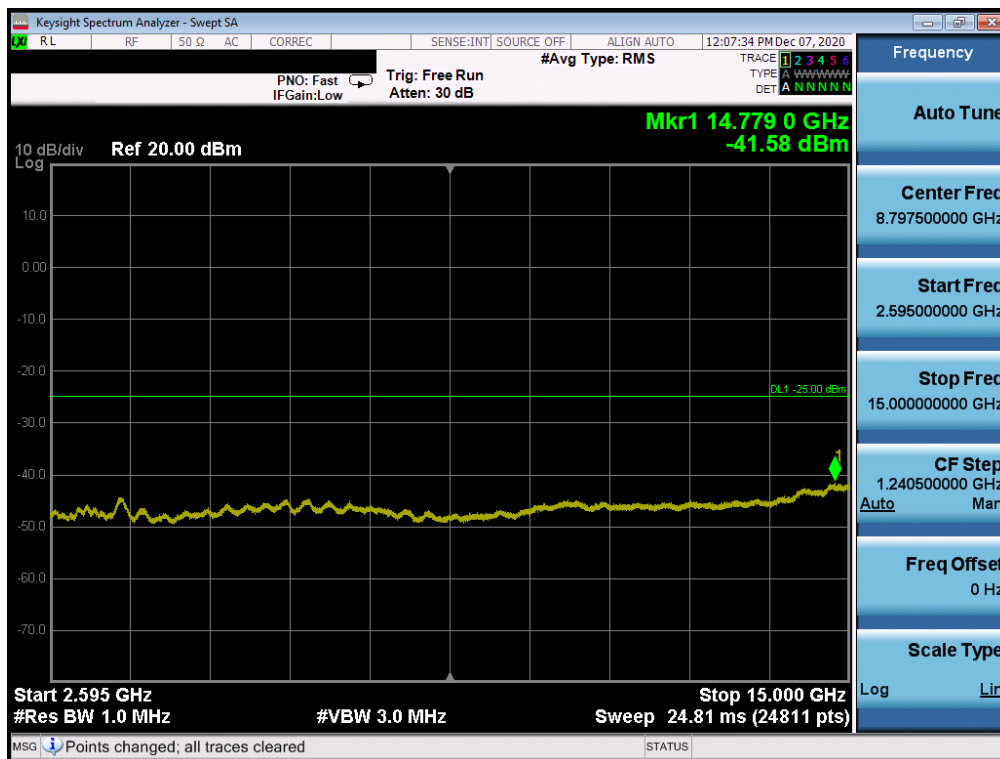
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 86 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-134. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

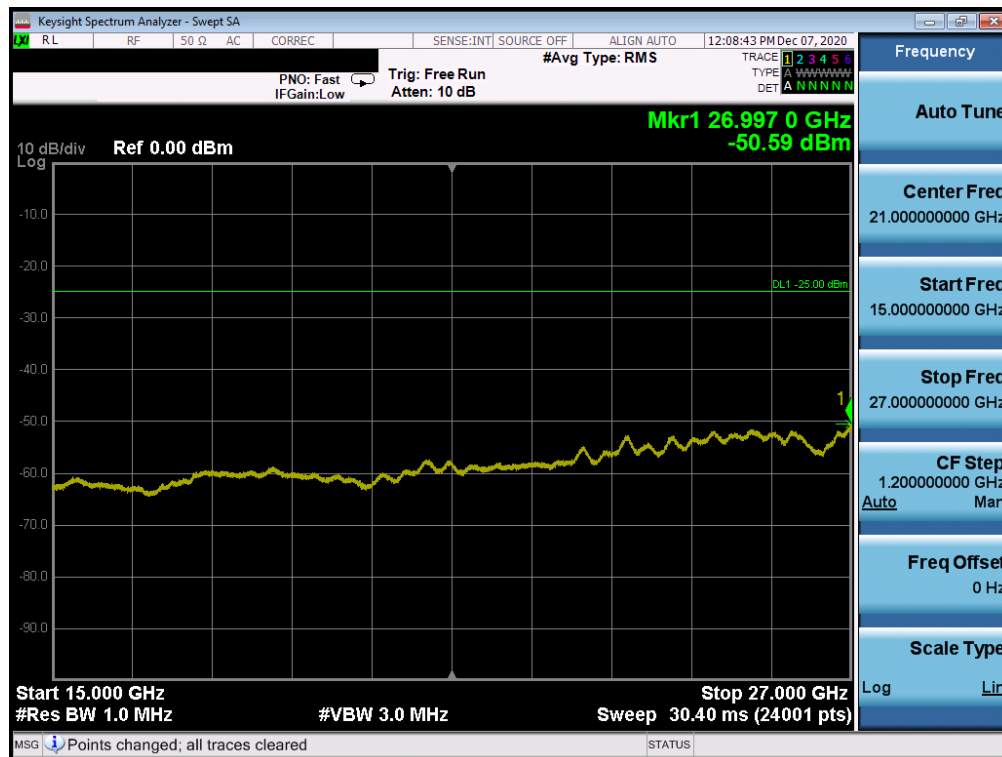


Plot 7-135. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 87 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



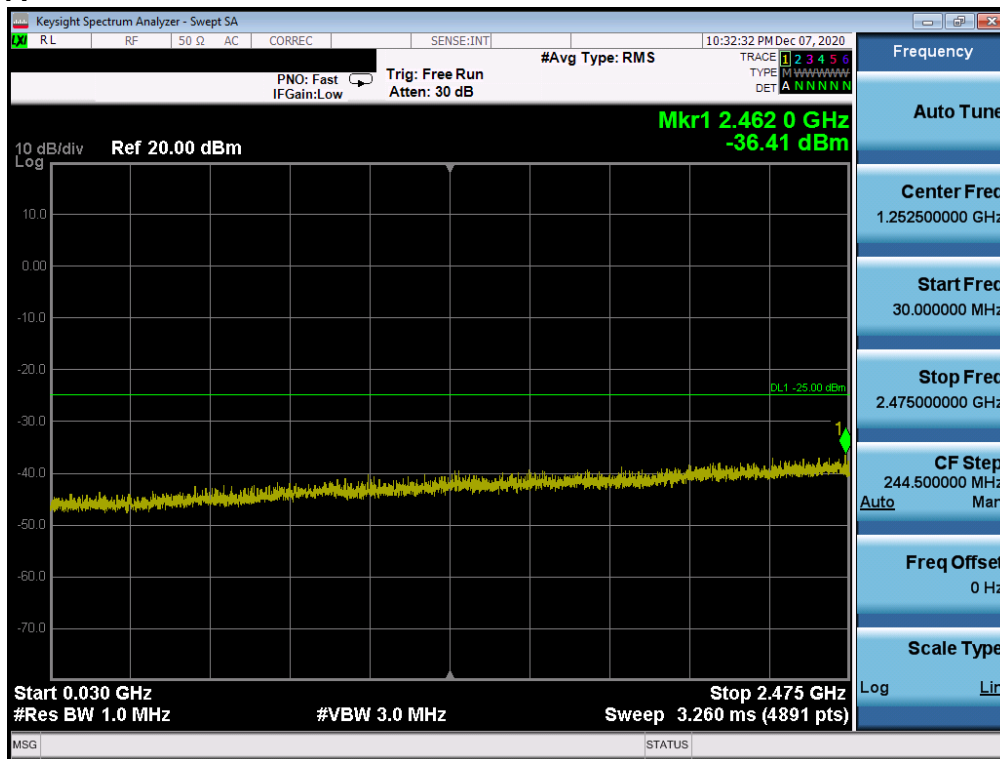
Plot 7-136. CSE (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 88 of 221

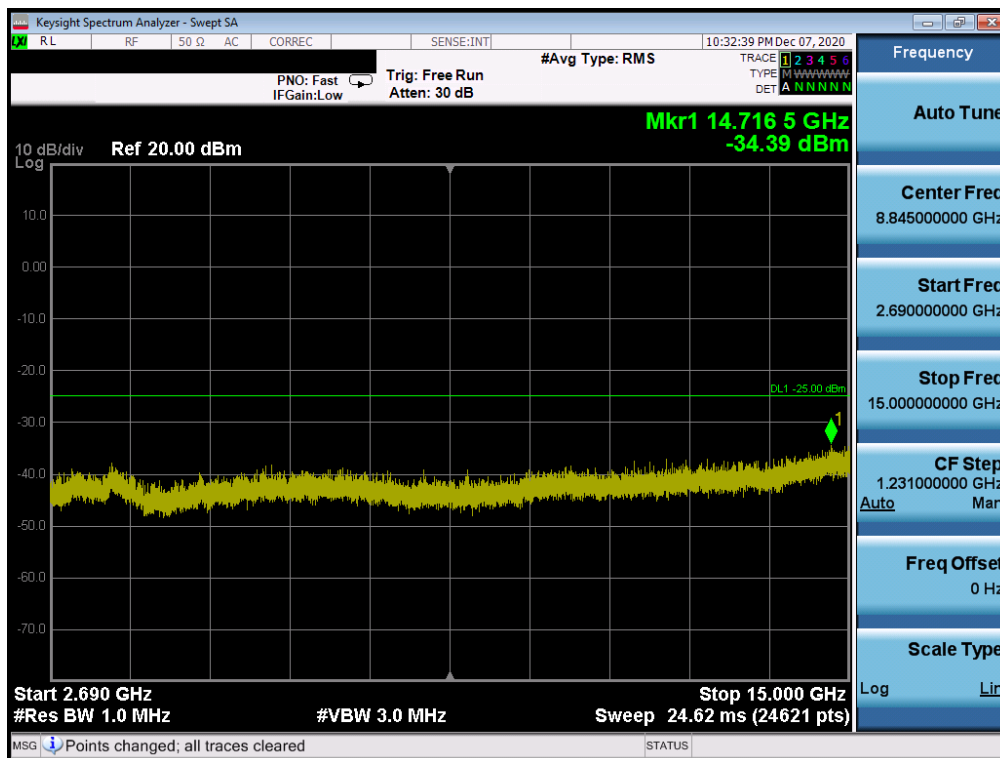
© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

LTE Band 41



Plot 7-137. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

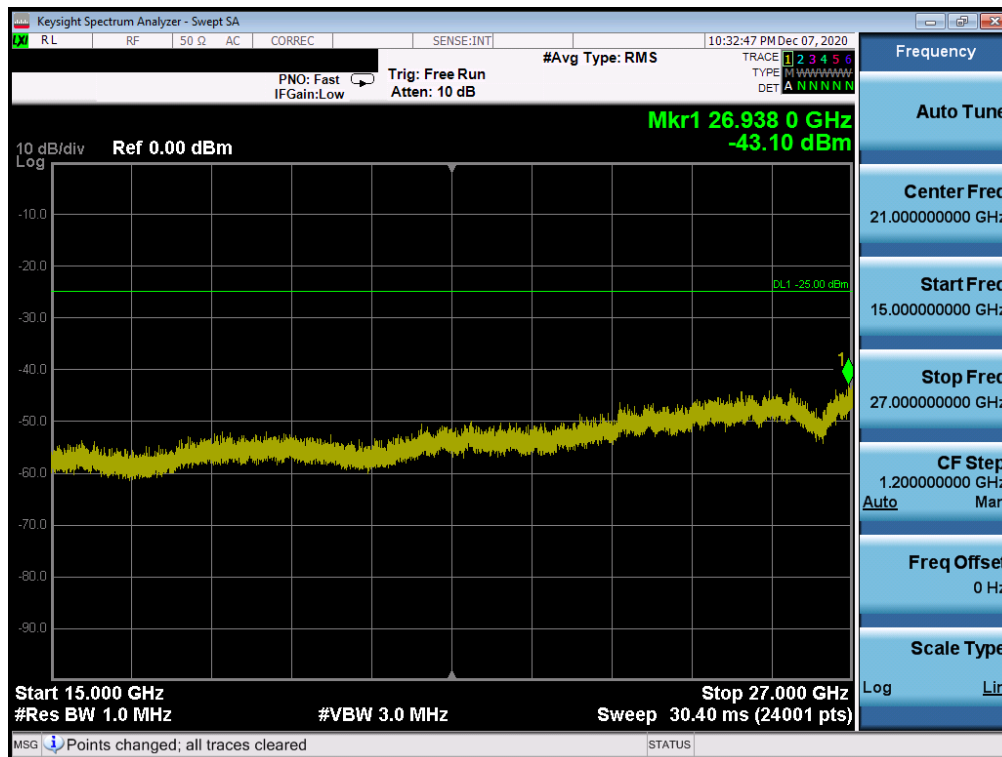


Plot 7-138. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

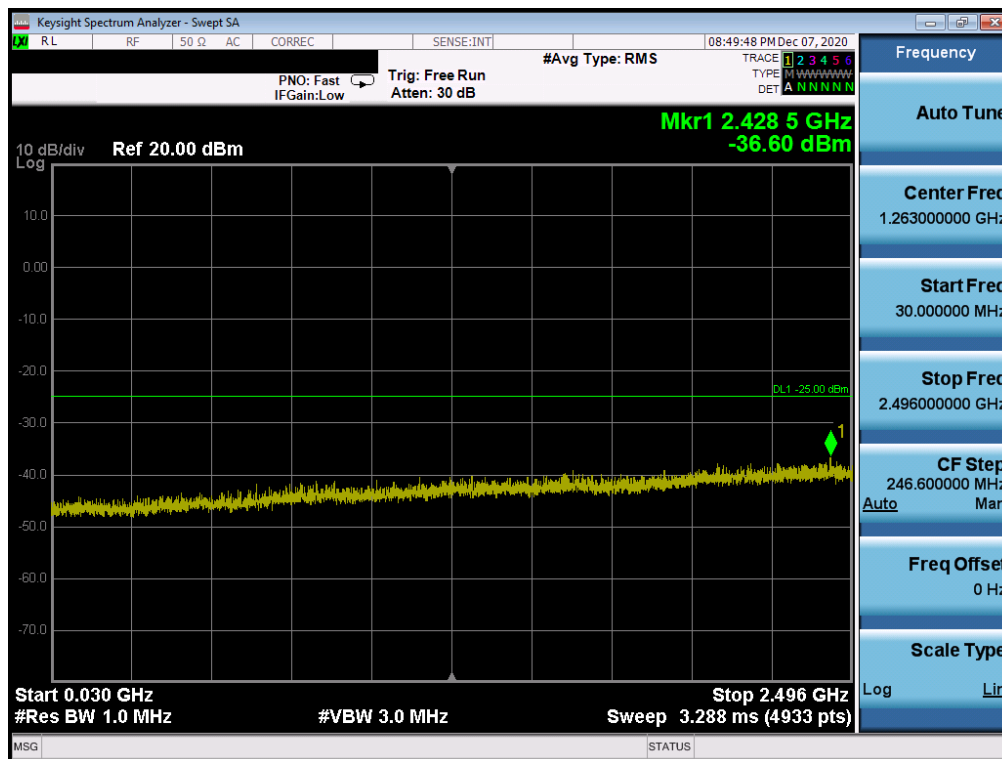
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 89 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-139. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

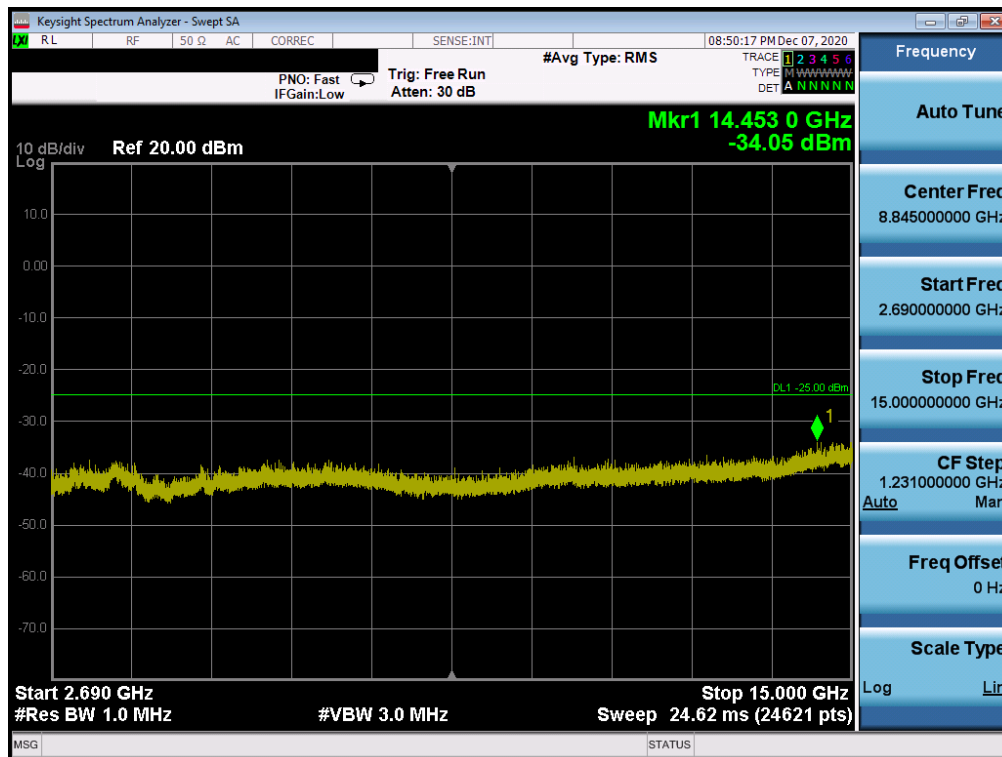


Plot 7-140. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

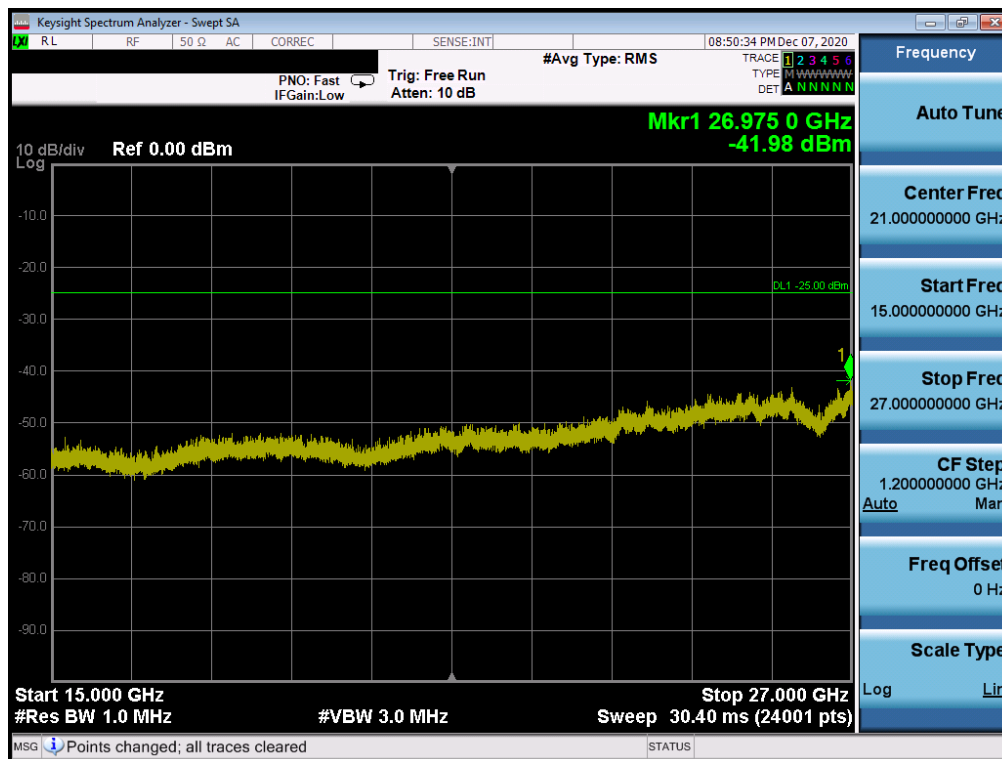
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 90 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-141. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

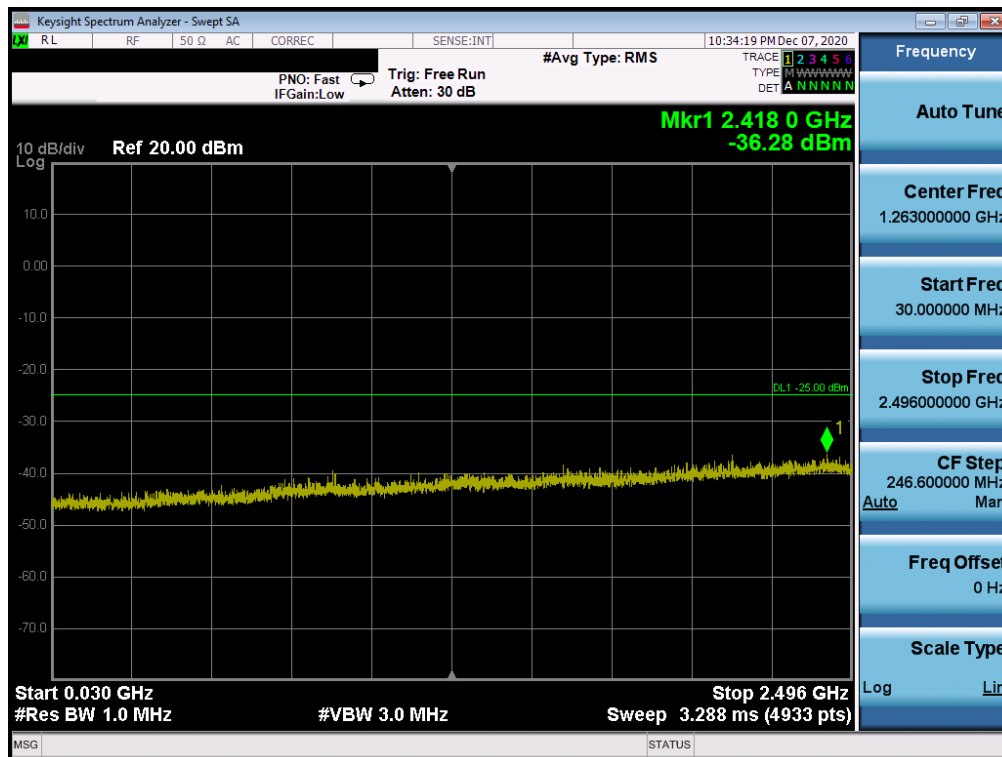


Plot 7-142. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

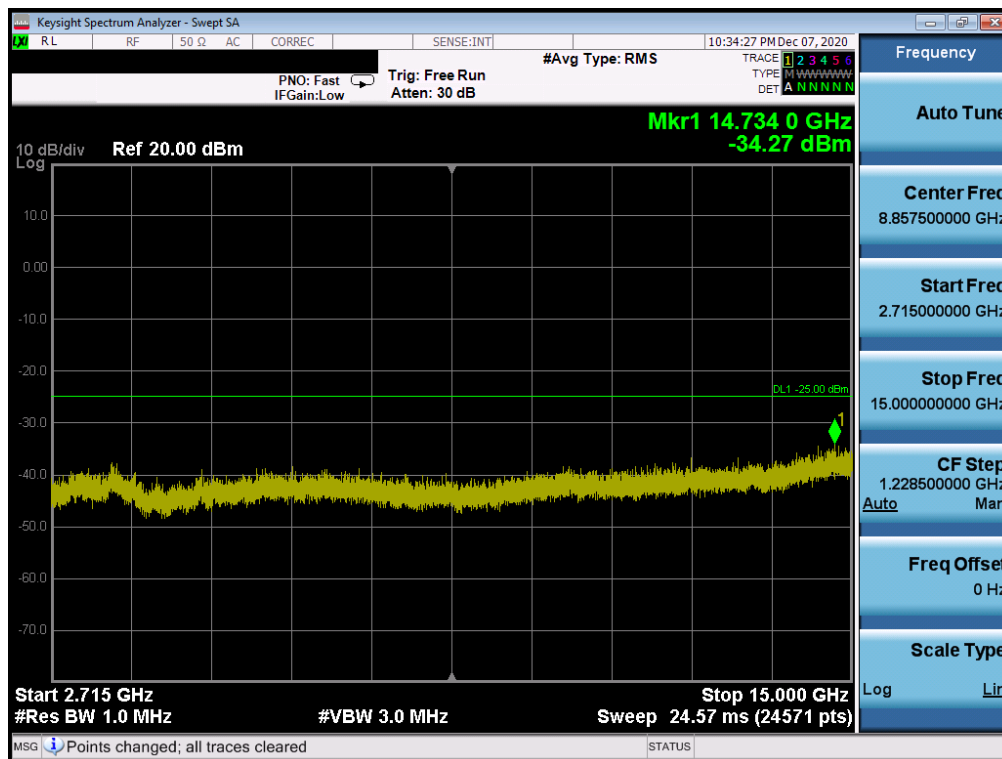
FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 91 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-143. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

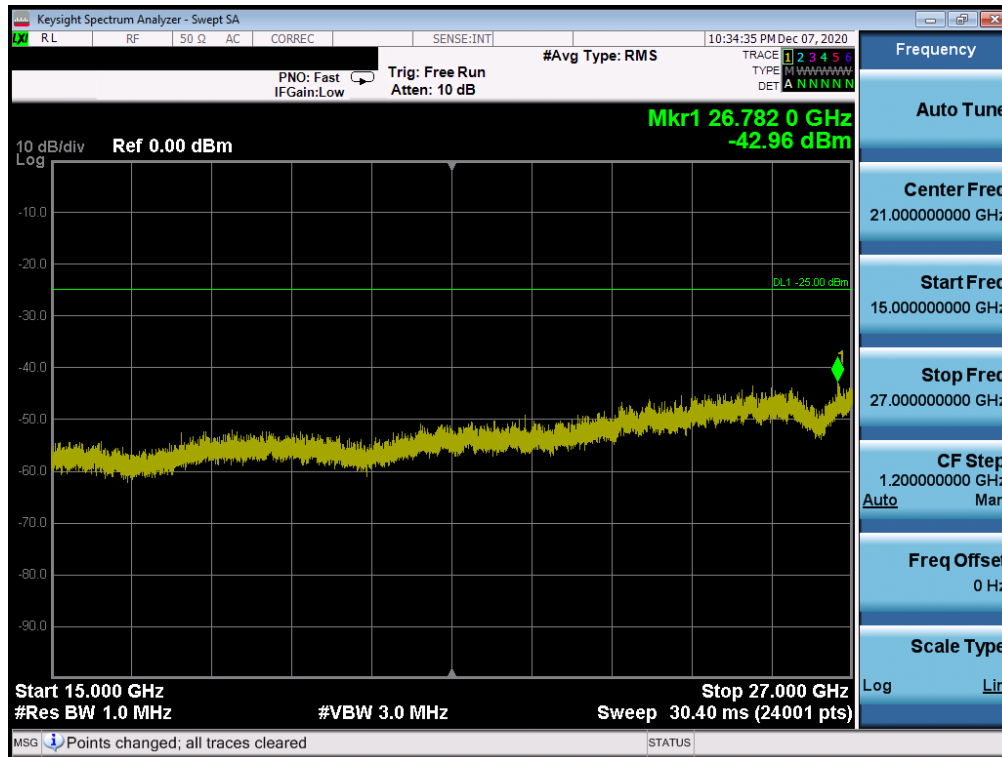


Plot 7-144. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



FCC ID: BCGA2301	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 92 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



Plot 7-145. CSE (LTE Band 41 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2301	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020002-05-R1.BCG	Test Dates: 12/23/2020 - 03/05/2021	EUT Type: Tablet Device	Page 93 of 221

© 2021 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.