## $7.5 \quad$ Peak To Average Power Radio (PAPR) <br> §24.232(d), § 27.50(b)

## Test Overview

The peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

## Test Procedure Used

KDB 971168 D01 v03r01 - Section 5.7
ANSI C63.26-2015 - Section 5.2.3.4

## Test Setting

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer setting were as follows:

1. The signal analyzer's CCDF function is enabled.
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals ( $>98 \%$ duty cycle), the measurement interval was set to 1 ms .

## Test Setup

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


Figure 7-4. Test Instrument \& Measurement Setup

## Limit

The peak-to-average power ratio (PAPR) limit shall not exceed 13 dB for more than $0.1 \%$ of the time.

| FCC ID: A3LRF4437D-25C | 豆 PCTEST | MEASUREMENT REPORT | SnMSUNA | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 210 of 420 |


| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.56 | 7.57 | 7.55 | 7.54 | $<13$ |
|  | 1 | 7.55 | 7.58 | 7.54 | 7.55 | $<13$ |
|  | 2 | 7.55 | 7.57 | 7.55 | 7.53 | < 13 |
|  | 3 | 7.55 | 7.58 | 7.53 | 7.54 | < 13 |
| Middle | 0 | 7.53 | 7.53 | 7.53 | 7.51 | $<13$ |
|  | 1 | 7.53 | 7.55 | 7.53 | 7.51 | $<13$ |
|  | 2 | 7.52 | 7.53 | 7.53 | 7.51 | < 13 |
|  | 3 | 7.53 | 7.54 | 7.53 | 7.51 | $<13$ |
| High | 0 | 7.53 | 7.55 | 7.54 | 7.52 | < 13 |
|  | 1 | 7.54 | 7.56 | 7.54 | 7.51 | < 13 |
|  | 2 | 7.54 | 7.55 | 7.54 | 7.53 | < 13 |
|  | 3 | 7.54 | 7.55 | 7.54 | 7.52 | < 13 |

Table 7-156. Peak To Average Power Radio Summary Data (B2_5M_1C)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.54 | 7.56 | 7.51 | 7.55 | < 13 |
|  | 1 | 7.54 | 7.56 | 7.54 | 7.55 | < 13 |
|  | 2 | 7.54 | 7.54 | 7.54 | 7.55 | < 13 |
|  | 3 | 7.54 | 7.56 | 7.55 | 7.56 | < 13 |
| Middle | 0 | 7.48 | 7.50 | 7.51 | 7.48 | < 13 |
|  | 1 | 7.48 | 7.51 | 7.52 | 7.50 | < 13 |
|  | 2 | 7.48 | 7.49 | 7.56 | 7.48 | < 13 |
|  | 3 | 7.49 | 7.49 | 7.53 | 7.49 | < 13 |
| High | 0 | 7.51 | 7.50 | 7.49 | 7.50 | < 13 |
|  | 1 | 7.50 | 7.49 | 7.48 | 7.51 | < 13 |
|  | 2 | 7.51 | 7.51 | 7.52 | 7.51 | < 13 |
|  | 3 | 7.51 | 7.50 | 7.51 | 7.50 | < 13 |

Table 7-157. Peak To Average Power Radio Summary Data (B2_10M_1C)

| FCC ID: A3LRF4437D-25C | F) PCTEST | MEASUREMENT REPORT | snmsuna | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: <br> RRU(RF4437d) |  | Page 211 of 420 |


| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.59 | 7.64 | 7.60 | 7.61 | $<13$ |
|  | 1 | 7.62 | 7.64 | 7.61 | 7.65 | $<13$ |
|  | 2 | 7.60 | 7.62 | 7.61 | 7.61 | $<13$ |
|  | 3 | 7.61 | 7.62 | 7.61 | 7.64 | $<13$ |
| Middle | 0 | 7.52 | 7.54 | 7.52 | 7.52 | $<13$ |
|  | 1 | 7.53 | 7.53 | 7.52 | 7.54 | $<13$ |
|  | 2 | 7.52 | 7.53 | 7.51 | 7.51 | $<13$ |
|  | 3 | 7.52 | 7.52 | 7.51 | 7.51 | $<13$ |
| High | 0 | 7.53 | 7.55 | 7.52 | 7.53 | $<13$ |
|  | 1 | 7.54 | 7.54 | 7.51 | 7.52 | $<13$ |
|  | 2 | 7.54 | 7.55 | 7.50 | 7.53 | $<13$ |
|  | 3 | 7.54 | 7.55 | 7.51 | 7.52 | < 13 |

Table 7-158. Peak To Average Power Radio Summary Data (B2_15M_1C)

| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.72 | 7.70 | 7.71 | 7.70 | < 13 |
|  | 1 | 7.72 | 7.70 | 7.69 | 7.69 | < 13 |
|  | 2 | 7.71 | 7.67 | 7.69 | 7.69 | < 13 |
|  | 3 | 7.71 | 7.69 | 7.69 | 7.71 | < 13 |
| Middle | 0 | 7.54 | 7.54 | 7.55 | 7.55 | < 13 |
|  | 1 | 7.54 | 7.53 | 7.54 | 7.54 | < 13 |
|  | 2 | 7.54 | 7.54 | 7.55 | 7.54 | < 13 |
|  | 3 | 7.54 | 7.54 | 7.55 | 7.54 | < 13 |
| High | 0 | 7.55 | 7.53 | 7.53 | 7.54 | < 13 |
|  | 1 | 7.57 | 7.54 | 7.56 | 7.55 | < 13 |
|  | 2 | 7.77 | 7.76 | 7.76 | 7.76 | < 13 |
|  | 3 | 7.55 | 7.53 | 7.54 | 7.54 | < 13 |

Table 7-159. Peak To Average Power Radio Summary Data (B2_20M_1C)

| FCC ID: A3LRF4437D-25C | (木) PCTEST | MEASUREMENT REPORT | Snmsun | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: RRU(RF4437d) |  | Page 212 of 420 |

## 层 PCTEST



Plot 7-793. Peak To Average Power Radio Plot
(B2_5M_1C_16QAM - Low Channel, Port 1)


Plot 7-795. Peak To Average Power Radio Plot (B2_5M_1C_16QAM - High Channel, Port 1)


Plot 7-797. Peak To Average Power Radio Plot (B2_10M_1C_64QAM - Mid Channel, Port 2)


Plot 7-794. Peak To Average Power Radio Plot (B2_5M_1C_16QAM - Mid Channel, Port 1)


Plot 7-796. Peak To Average Power Radio Plot (B2_10M_1C_16QAM - Low Channel, Port 0)


Plot 7-798. Peak To Average Power Radio Plot (B2_10M_1C_64QAM - High Channel, Port 2)

| FCC ID: A3LRF4437D-25C | F) PCTEST | MEASUREMENT REPORT | Snmsung | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 213 of 420 |

$\qquad$ 2021-08/13/2021 $\quad$ RRU(RF4437d)

## (f)PCTEST



Plot 7-799. Peak To Average Power Radio Plot
(B2_15M_1C_256QAM - Low Channel, Port 1)


Plot 7-801. Peak To Average Power Radio Plot (B2_15M_1C_16QAM - High Channel, Port 0)


Plot 7-803. Peak To Average Power Radio Plot (B2_20M_1C_64QAM - Mid Channel, Port 0)


Plot 7-800. Peak To Average Power Radio Plot
(B2_15M_1C_16QAM - Mid Channel, Port 0)


Plot 7-802. Peak To Average Power Radio Plot (B2_20M_1C_QPSK - Low Channel, Port 1)


Plot 7-804. Peak To Average Power Radio Plot (B2_20M_1C_QPSK - High Channel, Port 2)

| FCC ID: A3LRF4437D-25C | F) PCTEST | MEASUREMENT REPORT | Snmsunf | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: <br> RRU(RF4437d) |  | Page 214 of 420 |

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 Engineering Laboratory, Inc. 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.

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.94 | 7.93 | 7.93 | 7.90 | $<13$ |
|  | 1 | 7.93 | 7.94 | 7.95 | 7.92 | < 13 |
|  | 2 | 7.93 | 7.94 | 7.94 | 7.89 | $<13$ |
|  | 3 | 7.92 | 7.93 | 7.95 | 7.90 | $<13$ |
| Middle | 0 | 7.93 | 7.95 | 7.93 | 7.90 | $<13$ |
|  | 1 | 7.94 | 7.95 | 7.93 | 7.94 | $<13$ |
|  | 2 | 7.93 | 7.93 | 7.93 | 7.91 | $<13$ |
|  | 3 | 7.93 | 7.93 | 7.92 | 7.92 | $<13$ |
| High | 0 | 7.92 | 7.92 | 7.93 | 7.91 | < 13 |
|  | 1 | 7.92 | 7.94 | 7.93 | 7.92 | < 13 |
|  | 2 | 7.92 | 7.94 | 7.93 | 7.91 | $<13$ |
|  | 3 | 7.94 | 7.93 | 7.94 | 7.91 | < 13 |

Table 7-160. Peak To Average Power Radio Summary Data (B2_5M+5M_2C)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.04 | 8.03 | 8.02 | 8.04 | < 13 |
|  | 1 | 8.04 | 8.01 | 8.00 | 8.04 | < 13 |
|  | 2 | 8.05 | 8.01 | 7.99 | 8.04 | < 13 |
|  | 3 | 8.08 | 8.03 | 7.99 | 8.05 | < 13 |
| Middle | 0 | 7.95 | 7.95 | 7.95 | 7.94 | < 13 |
|  | 1 | 7.97 | 7.97 | 7.97 | 7.96 | < 13 |
|  | 2 | 7.97 | 7.96 | 7.92 | 7.96 | < 13 |
|  | 3 | 7.96 | 7.96 | 7.91 | 7.96 | < 13 |
| High | 0 | 7.92 | 7.91 | 7.91 | 7.93 | < 13 |
|  | 1 | 7.92 | 7.92 | 7.91 | 7.95 | < 13 |
|  | 2 | 7.93 | 7.91 | 7.90 | 7.94 | < 13 |
|  | 3 | 7.94 | 7.92 | 7.91 | 7.94 | < 13 |

Table 7-161. Peak To Average Power Radio Summary Data (B2_5M+20M_2C)

| FCC ID: A3LRF4437D-25C | 界 PCTEST | MEASUREMENT REPORT | shmsune | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 215 of 420 |


| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.05 | 8.05 | 8.03 | 8.04 | < 13 |
|  | 1 | 8.04 | 8.06 | 8.02 | 8.06 | < 13 |
|  | 2 | 8.08 | 8.09 | 7.99 | 8.05 | < 13 |
|  | 3 | 8.07 | 8.09 | 8.00 | 8.07 | < 13 |
| Middle | 0 | 7.95 | 7.96 | 7.95 | 7.97 | < 13 |
|  | 1 | 7.96 | 7.95 | 7.98 | 7.96 | < 13 |
|  | 2 | 7.97 | 7.93 | 7.87 | 7.94 | < 13 |
|  | 3 | 7.96 | 7.92 | 7.91 | 7.94 | < 13 |
| High | 0 | 7.90 | 7.93 | 7.94 | 7.93 | < 13 |
|  | 1 | 7.92 | 7.94 | 7.94 | 7.91 | < 13 |
|  | 2 | 7.90 | 7.93 | 7.91 | 7.92 | < 13 |
|  | 3 | 7.89 | 7.92 | 7.90 | 7.91 | < 13 |

Table 7-162. Peak To Average Power Radio Summary Data (B2_10M+20M_2C)

| FCC ID: A3LRF4437D-25C | F)PCTEST | MEASUREMENT REPORT | shmsunf | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 216 of 420 |

## (f)PCTEST



Plot 7-805. Peak To Average Power Radio Plot
(B2_5M+5M_2C_64QAM - Low Channel, Port 1)


Plot 7-807. Peak To Average Power Radio Plot (B2_5M+5M_2C_QPSK - High Channel, Port 3)


Plot 7-809. Peak To Average Power Radio Plot
(B2_5M+20M_2C_QPSK - Mid Channel, Port 1)


Plot 7-806. Peak To Average Power Radio Plot
(B2_5M+5M_2C_16QAM - Mid Channel, Port 0)


Plot 7-808. Peak To Average Power Radio Plot
(B2_5M+20M_2C_QPSK - Low Channel, Port 3)


Plot 7-810. Peak To Average Power Radio Plot (B2_5M+20M_2C_256QAM - High Channel, Port 1)

| FCC ID: A3LRF4437D-25C | F) PCTEST | MEASUREMENT REPORT | SMMSUN: | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: <br> RRU(RF4437d) |  | Page 217 of 420 |

## (T)PCTEST



Plot 7-811. Peak To Average Power Radio Plot (B2_10M+20M_2C_16QAM - Low Channel, Port 2)


Plot 7-813. Peak To Average Power Radio Plot (B2_10M+20M_2C_64QAM - High Channel, Port 0)


Plot 7-812. Peak To Average Power Radio Plot (B2_10M+20M_2C_64QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | F)PCTEST | MEASUREMENT REPORT | shmsuna | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 218 of 420 |

$\qquad$ 07/19/2021-08/13/2021 $\quad$ RRU(RF4437d)

| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.15 | 8.17 | 8.15 | 8.16 | $<13$ |
|  | 1 | 8.18 | 8.18 | 8.16 | 8.18 | < 13 |
|  | 2 | 8.16 | 8.15 | 8.16 | 8.13 | $<13$ |
|  | 3 | 8.16 | 8.15 | 8.16 | 8.10 | $<13$ |
| Middle | 0 | 8.19 | 8.22 | 8.20 | 8.17 | $<13$ |
|  | 1 | 8.20 | 8.20 | 8.19 | 8.17 | $<13$ |
|  | 2 | 8.19 | 8.19 | 8.15 | 8.12 | < 13 |
|  | 3 | 8.19 | 8.16 | 8.15 | 8.14 | $<13$ |
| High | 0 | 8.17 | 8.17 | 8.16 | 8.16 | $<13$ |
|  | 1 | 8.19 | 8.18 | 8.17 | 8.17 | $<13$ |
|  | 2 | 8.18 | 8.16 | 8.15 | 8.12 | < 13 |
|  | 3 | 8.17 | 8.17 | 8.15 | 8.12 | < 13 |

Table 7-163. Peak To Average Power Radio Summary Data (B2_5M+5M+5M_3C)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.20 | 8.21 | 8.20 | 8.20 | $<13$ |
|  | 1 | 8.20 | 8.17 | 8.20 | 8.20 | $<13$ |
|  | 2 | 8.18 | 8.20 | 8.15 | 8.18 | $<13$ |
|  | 3 | 8.16 | 8.20 | 8.16 | 8.20 | $<13$ |
| Middle | 0 | 8.25 | 8.20 | 8.18 | 8.16 | $<13$ |
|  | 1 | 8.19 | 8.18 | 8.18 | 8.17 | $<13$ |
|  | 2 | 8.14 | 8.23 | 8.21 | 8.17 | $<13$ |
|  | 3 | 8.16 | 8.24 | 8.20 | 8.19 | $<13$ |
| High | 0 | 8.18 | 8.19 | 8.15 | 8.15 | $<13$ |
|  | 1 | 8.17 | 8.19 | 8.15 | 8.16 | < 13 |
|  | 2 | 8.15 | 8.16 | 8.16 | 8.10 | $<13$ |
|  | 3 | 8.15 | 8.16 | 8.16 | 8.13 | $<13$ |

Table 7-164. Peak To Average Power Radio Summary Data (B2_5M+5M+20M_3C)

| FCC ID: A3LRF4437D-25C | F\|PCTEST | MEASUREMENT REPORT | Snmsung | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 219 of 420 |



Plot 7-814. Peak To Average Power Radio Plot
(B2_5M+5M+5M_3C_QPSK - Low Channel, Port 1)


Plot 7-816. Peak To Average Power Radio Plot (B2_5M+5M+5M_3C_QPSK - High Channel, Port 1)


Plot 7-818. Peak To Average Power Radio Plot (B2_5M+5M+20M_3C_QPSK - Mid Channel, Port 0)


Plot 7-815. Peak To Average Power Radio Plot
(B2_5M+5M+5M_3C_16QAM - Mid Channel, Port 0)


Plot 7-817. Peak To Average Power Radio Plot (B2_5M+5M+20M_3C_16QAM - Low Channel, Port 0)


Plot 7-819. Peak To Average Power Radio Plot (B2_5M+5M+20M_3C_16QAM - High Channel, Port 0)


| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.52 | 7.53 | 7.50 | 7.51 | $<13$ |
|  | 1 | 7.50 | 7.50 | 7.50 | 7.51 | $<13$ |
|  | 2 | 7.49 | 7.50 | 7.45 | 7.52 | < 13 |
|  | 3 | 7.52 | 7.51 | 7.35 | 7.51 | < 13 |
| Middle | 0 | 7.47 | 7.46 | 7.48 | 7.49 | $<13$ |
|  | 1 | 7.48 | 7.48 | 7.46 | 7.51 | $<13$ |
|  | 2 | 7.48 | 7.48 | 7.49 | 7.51 | < 13 |
|  | 3 | 7.49 | 7.48 | 7.47 | 7.50 | $<13$ |
| High | 0 | 7.45 | 7.47 | 6.80 | 7.49 | < 13 |
|  | 1 | 7.47 | 7.48 | 7.47 | 7.50 | < 13 |
|  | 2 | 7.47 | 6.87 | 7.46 | 7.50 | < 13 |
|  | 3 | 7.47 | 7.48 | 7.36 | 7.49 | < 13 |

Table 7-165. Peak To Average Power Radio Summary Data (B66_5M_1C)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.54 | 7.54 | 7.53 | 7.54 | <13 |
|  | 1 | 7.53 | 7.52 | 7.52 | 7.53 | <13 |
|  | 2 | 7.54 | 7.53 | 7.52 | 7.54 | <13 |
|  | 3 | 7.55 | 7.53 | 7.54 | 7.55 | < 13 |
| Middle | 0 | 7.45 | 7.45 | 7.44 | 7.45 | <13 |
|  | 1 | 7.45 | 7.47 | 7.46 | 7.45 | <13 |
|  | 2 | 7.45 | 7.45 | 7.48 | 7.45 | < 13 |
|  | 3 | 7.45 | 7.47 | 7.45 | 7.45 | <13 |
| High | 0 | 7.43 | 7.45 | 7.44 | 7.43 | <13 |
|  | 1 | 7.45 | 7.44 | 7.44 | 7.45 | <13 |
|  | 2 | 7.43 | 7.44 | 7.43 | 7.43 | <13 |
|  | 3 | 7.45 | 7.47 | 7.44 | 7.45 | < 13 |

Table 7-166. Peak To Average Power Radio Summary Data (B66_10M_1C)

| FCC ID: A3LRF4437D-25C | (T) PCTEST | MEASUREMENT REPORT | SHMSUNG | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 221 of 420 |


| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.61 | 7.61 | 7.59 | 7.62 | $<13$ |
|  | 1 | 7.58 | 7.57 | 7.56 | 7.59 | $<13$ |
|  | 2 | 7.57 | 7.57 | 7.57 | 7.60 | < 13 |
|  | 3 | 7.59 | 7.62 | 7.58 | 7.62 | $<13$ |
| Middle | 0 | 7.52 | 7.51 | 7.51 | 7.52 | < 13 |
|  | 1 | 7.52 | 7.50 | 7.52 | 7.52 | < 13 |
|  | 2 | 7.52 | 7.51 | 7.51 | 7.52 | < 13 |
|  | 3 | 7.51 | 7.51 | 7.51 | 7.51 | < 13 |
| High | 0 | 7.52 | 7.48 | 7.50 | 7.53 | $<13$ |
|  | 1 | 7.51 | 7.50 | 7.51 | 7.51 | $<13$ |
|  | 2 | 7.51 | 7.51 | 7.50 | 7.50 | < 13 |
|  | 3 | 7.51 | 7.49 | 7.51 | 7.50 | < 13 |

Table 7-167. Peak To Average Power Radio Summary Data (B66_15M_1C)

| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.64 | 7.63 | 7.62 | 7.63 | < 13 |
|  | 1 | 7.61 | 7.58 | 7.56 | 7.59 | < 13 |
|  | 2 | 7.62 | 7.59 | 7.59 | 7.60 | < 13 |
|  | 3 | 7.64 | 7.62 | 7.62 | 7.62 | < 13 |
| Middle | 0 | 7.53 | 7.50 | 7.52 | 7.53 | < 13 |
|  | 1 | 7.53 | 7.50 | 7.55 | 7.54 | < 13 |
|  | 2 | 7.54 | 7.50 | 7.54 | 7.55 | < 13 |
|  | 3 | 7.54 | 7.50 | 7.56 | 7.54 | < 13 |
| High | 0 | 7.52 | 7.50 | 7.51 | 7.54 | < 13 |
|  | 1 | 7.54 | 7.50 | 7.53 | 7.55 | < 13 |
|  | 2 | 7.54 | 7.50 | 7.53 | 7.55 | < 13 |
|  | 3 | 7.53 | 7.50 | 7.53 | 7.58 | < 13 |

Table 7-168. Peak To Average Power Radio Summary Data (B66_20M_1C)

| FCC ID: A3LRF4437D-25C | F\|PCTEST | MEASUREMENT REPORT | SMMSUNE | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 222 of 420 |

## (f)PCTEST



Plot 7-820. Peak To Average Power Radio Plot
(B66_5M_1C_16QAM - Low Channel, Port 0)


Plot 7-822. Peak To Average Power Radio Plot (B66_5M_1C_256QAM - High Channel, Port 1)


Plot 7-824. Peak To Average Power Radio Plot (B66_10M_1C_64QAM - Mid Channel, Port 2)


Plot 7-821. Peak To Average Power Radio Plot (B66_5M_1C_256QAM - Mid Channel, Port 1)


Plot 7-823. Peak To Average Power Radio Plot (B66_10M_1C_QPSK - Low Channel, Port 3)


Plot 7-825. Peak To Average Power Radio Plot (B66_10M_1C_16QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | F) PCTEST | MEASUREMENT REPORT | Snmsung | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 223 of 420 |

$\qquad$ (R2021-08/13/2021 RRU(RF4437d)

## 层 PCTEST



Plot 7-826. Peak To Average Power Radio Plot
(B66_15M_1C_16QAM - Low Channel, Port 3)


Plot 7-828. Peak To Average Power Radio Plot (B66_15M_1C_256QAM - High Channel, Port 0)


Plot 7-830. Peak To Average Power Radio Plot (B66_20M_1C_64QAM - Mid Channel, Port 3)


Plot 7-827. Peak To Average Power Radio Plot (B66_15M_1C_QPSK - Mid Channel, Port 0)


Plot 7-829. Peak To Average Power Radio Plot (B66_20M_1C_QPSK - Low Channel, Port 0)


Plot 7-831. Peak To Average Power Radio Plot (B66_20M_1C_256QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | (f)PCTEST | MEASUREMENT REPORT | sumsune | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 224 of 420 |

$\qquad$ 2021-08/13/2021- RRU(RF4437d)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.91 | 7.88 | 7.88 | 7.86 | $<13$ |
|  | 1 | 7.90 | 7.86 | 7.89 | 7.85 | $<13$ |
|  | 2 | 7.89 | 7.87 | 7.89 | 7.85 | $<13$ |
|  | 3 | 7.90 | 7.87 | 7.91 | 7.86 | $<13$ |
| Middle | 0 | 7.90 | 7.86 | 7.89 | 7.86 | $<13$ |
|  | 1 | 7.85 | 7.84 | 7.87 | 7.86 | $<13$ |
|  | 2 | 7.91 | 7.88 | 7.89 | 7.89 | $<13$ |
|  | 3 | 7.92 | 7.89 | 7.89 | 7.89 | $<13$ |
| High | 0 | 7.89 | 7.85 | 7.85 | 7.88 | $<13$ |
|  | 1 | 7.84 | 7.87 | 7.88 | 7.89 | $<13$ |
|  | 2 | 7.89 | 7.89 | 7.86 | 7.88 | $<13$ |
|  | 3 | 7.91 | 7.89 | 7.88 | 7.89 | < 13 |

Table 7-169. Peak To Average Power Radio Summary Data (B66_5M+5M_2C)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.97 | 7.99 | 7.95 | 8.00 | < 13 |
|  | 1 | 7.96 | 7.97 | 7.96 | 8.01 | < 13 |
|  | 2 | 7.96 | 7.96 | 7.95 | 7.98 | < 13 |
|  | 3 | 7.98 | 7.99 | 7.98 | 8.01 | < 13 |
| Middle | 0 | 7.96 | 7.94 | 7.94 | 7.96 | < 13 |
|  | 1 | 7.96 | 7.94 | 7.95 | 7.96 | < 13 |
|  | 2 | 7.93 | 7.94 | 7.94 | 7.95 | < 13 |
|  | 3 | 7.95 | 7.94 | 7.95 | 7.96 | < 13 |
| High | 0 | 7.95 | 7.95 | 7.96 | 7.95 | < 13 |
|  | 1 | 7.96 | 7.95 | 7.93 | 7.98 | < 13 |
|  | 2 | 7.96 | 7.94 | 7.92 | 7.96 | < 13 |
|  | 3 | 7.96 | 7.96 | 7.94 | 7.98 | < 13 |

Table 7-170. Peak To Average Power Radio Summary Data (B66_5M+20M_2C)

| FCC ID: A3LRF4437D-25C | (木) PCTEST | MEASUREMENT REPORT | Snmsun | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: RRU(RF4437d) |  | Page 225 of 420 |


| (T) PCTEST |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 7.96 | 7.98 | 7.97 | 8.00 | < 13 |
|  | 1 | 7.95 | 8.00 | 7.95 | 8.00 | < 13 |
|  | 2 | 7.96 | 7.95 | 7.95 | 7.99 | < 13 |
|  | 3 | 7.97 | 7.95 | 7.96 | 7.99 | < 13 |
| Middle | 0 | 7.95 | 7.92 | 7.95 | 7.96 | < 13 |
|  | 1 | 7.95 | 7.94 | 7.94 | 7.96 | < 13 |
|  | 2 | 7.95 | 7.94 | 7.93 | 7.95 | < 13 |
|  | 3 | 7.96 | 7.94 | 7.95 | 7.95 | < 13 |
| High | 0 | 7.93 | 7.92 | 7.94 | 7.92 | < 13 |
|  | 1 | 7.92 | 7.93 | 7.93 | 7.93 | < 13 |
|  | 2 | 7.95 | 7.92 | 7.95 | 7.94 | < 13 |
|  | 3 | 7.94 | 7.93 | 7.94 | 7.95 | < 13 |

Table 7-171. Peak To Average Power Radio Summary Data (B66_20M+20M_2C)

| FCC ID: A3LRF4437D-25C | F)PCTEST | MEASUREMENT REPORT | SMMSUN: | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: RRU(RF4437d) |  | Page 226 of 420 |

## S <br> PCTEST



Plot 7-832. Peak To Average Power Radio Plot
(B66_5M+5M_2C_QPSK - Low Channel, Port 0)


Plot 7-834. Peak To Average Power Radio Plot (B66_5M+5M_2C_QPSK - High Channel, Port 3)


Plot 7-836. Peak To Average Power Radio Plot (B66_5M+20M_2C_QPSK - Mid Channel, Port 0)


Plot 7-833. Peak To Average Power Radio Plot
(B66_5M+5M_2C_QPSK - Mid Channel, Port 3)


Plot 7-835. Peak To Average Power Radio Plot (B66_5M+20M_2C_256QAM - Low Channel, Port 1)


Plot 7-837. Peak To Average Power Radio Plot (B66_5M+20M_2C_256QAM - High Channel, Port 1)

| FCC ID: A3LRF4437D-25C | F-PCTEST | MEASUREMENT REPORT | SMMSUNE | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: <br> RRU(RF4437d) |  | Page 227 of 420 |



Plot 7-838. Peak To Average Power Radio Plot (B66_20M+20M_2C_16QAM - Low Channel, Port 1)


Plot 7-840. Peak To Average Power Radio Plot (B66_20M+20M_2C_QPSK - High Channel, Port 2)


Plot 7-839. Peak To Average Power Radio Plot (B66_20M+20M_2C_QPSK - Mid Channel, Port 3)

| FCC ID: A3LRF4437D-25C | F-PCTEST | MEASUREMENT REPORT | SnMSUNA | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 228 of 420 |

$\qquad$

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.20 | 8.17 | 8.14 | 8.15 | $<13$ |
|  | 1 | 8.20 | 8.15 | 8.14 | 8.13 | $<13$ |
|  | 2 | 8.13 | 8.16 | 8.13 | 8.15 | $<13$ |
|  | 3 | 8.14 | 8.15 | 8.10 | 8.12 | $<13$ |
| Middle | 0 | 8.21 | 8.12 | 8.17 | 8.21 | $<13$ |
|  | 1 | 8.19 | 8.14 | 8.18 | 8.20 | $<13$ |
|  | 2 | 8.19 | 8.14 | 8.16 | 8.20 | $<13$ |
|  | 3 | 8.18 | 8.16 | 8.16 | 8.20 | $<13$ |
| High | 0 | 8.17 | 8.14 | 8.17 | 8.17 | $<13$ |
|  | 1 | 8.17 | 8.15 | 8.16 | 8.16 | $<13$ |
|  | 2 | 8.18 | 8.17 | 8.14 | 8.18 | $<13$ |
|  | 3 | 8.18 | 8.15 | 8.15 | 8.17 | < 13 |

Table 7-172. Peak To Average Power Radio Summary Data (B66_5M+5M+5M_3C)

| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.14 | 8.12 | 8.16 | 8.16 | < 13 |
|  | 1 | 8.12 | 8.12 | 8.17 | 8.14 | < 13 |
|  | 2 | 8.15 | 8.11 | 8.13 | 8.10 | < 13 |
|  | 3 | 8.17 | 8.15 | 8.15 | 8.10 | < 13 |
| Middle | 0 | 8.16 | 8.17 | 8.24 | 8.18 | < 13 |
|  | 1 | 8.19 | 8.17 | 8.24 | 8.20 | < 13 |
|  | 2 | 8.16 | 8.17 | 8.18 | 8.17 | <13 |
|  | 3 | 8.18 | 8.18 | 8.18 | 8.17 | < 13 |
| High | 0 | 8.18 | 8.19 | 8.17 | 8.16 | < 13 |
|  | 1 | 8.20 | 8.22 | 8.19 | 8.16 | < 13 |
|  | 2 | 8.19 | 8.16 | 8.19 | 8.18 | < 13 |
|  | 3 | 8.20 | 8.17 | 8.21 | 8.17 | < 13 |

Table 7-173. Peak To Average Power Radio Summary Data (B66_5M+5M+20M_3C)

| FCC ID: A3LRF4437D-25C | F\|PCTEST | MEASUREMENT REPORT | SMMSUNE | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 229 of 420 |


| $\sqrt{\text { PCTEST }}$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.13 | 8.19 | 8.15 | 8.17 | <13 |
|  | 1 | 8.14 | 8.16 | 8.17 | 8.15 | <13 |
|  | 2 | 8.12 | 8.15 | 8.13 | 8.15 | <13 |
|  | 3 | 8.14 | 8.14 | 8.15 | 8.17 | <13 |
| Middle | 0 | 8.18 | 8.18 | 8.18 | 8.16 | < 13 |
|  | 1 | 8.15 | 8.17 | 8.19 | 8.16 | < 13 |
|  | 2 | 8.20 | 8.17 | 8.15 | 8.15 | < 13 |
|  | 3 | 8.21 | 8.17 | 8.17 | 8.15 | < 13 |
| High | 0 | 8.15 | 8.14 | 8.13 | 8.16 | <13 |
|  | 1 | 8.16 | 8.15 | 8.15 | 8.16 | < 13 |
|  | 2 | 8.15 | 8.15 | 8.13 | 8.15 | < 13 |
|  | 3 | 8.16 | 8.17 | 8.16 | 8.16 | <13 |

Table 7-174. Peak To Average Power Radio Summary Data (B66_5M+15M+20M_3C)

| FCC ID: A3LRF4437D-25C | F)PCTEST | MEASUREMENT REPORT | SMMSUN: | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: RRU(RF4437d) |  | Page 230 of 420 |

## S <br> PCTEST



Plot 7-841. Peak To Average Power Radio Plot (B66_5M+5M+5M_3C_QPSK - Low Channel, Port 0)


Plot 7-843. Peak To Average Power Radio Plot (B66_5M+5M+5M_3C_QPSK - High Channel, Port 3)


Plot 7-845. Peak To Average Power Radio Plot (B66_5M+5M+20M_3C_64QAM - Mid Channel, Port 0)


Plot 7-842. Peak To Average Power Radio Plot
(B66_5M+5M+5M_3C_QPSK - Mid Channel, Port 3)


Plot 7-844. Peak To Average Power Radio Plot (B66_5M+5M+20M_3C_64QAM - Low Channel, Port 1)


Plot 7-846. Peak To Average Power Radio Plot (B66_5M+5M+20M_3C_16QAM - High Channel, Port 1)

| FCC ID: A3LRF4437D-25C | 界 PCTEST | MEASUREMENT REPORT | SHMSUNE | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 231 of 420 |

## (T)PCTEST



Plot 7-847. Peak To Average Power Radio Plot
(B66_5M+15M+20M_3C_16QAM - Low Channel, Port 0)


Plot 7-849. Peak To Average Power Radio Plot (B66_5M+15M+20M_3C_16QAM - High Channel, Port 3)

Plot 7-848. Peak To Average Power Radio Plot (B66_5M+15M+20M_3C_QPSK - Mid Channel, Port 3)


| FCC ID: A3LRF4437D-25C | (r)PCTEST | MEASUREMENT REPORT | shmsume | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 232 of 420 |

$\qquad$ 07/19/2021-08/13/2021 RRU(RF4437d)

| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.24 | 8.16 | 8.19 | 8.17 | $<13$ |
|  | 1 | 8.24 | 8.18 | 8.20 | 8.16 | $<13$ |
|  | 2 | 8.26 | 8.24 | 8.17 | 8.19 | $<13$ |
|  | 3 | 8.27 | 8.22 | 8.17 | 8.21 | $<13$ |
| Middle | 0 | 8.22 | 8.26 | 8.13 | 8.21 | $<13$ |
|  | 1 | 8.22 | 8.24 | 8.16 | 8.22 | $<13$ |
|  | 2 | 8.23 | 8.24 | 8.23 | 8.25 | $<13$ |
|  | 3 | 8.25 | 8.25 | 8.24 | 8.24 | $<13$ |
| High | 0 | 8.30 | 8.26 | 8.22 | 8.23 | $<13$ |
|  | 1 | 8.29 | 8.29 | 8.24 | 8.25 | $<13$ |
|  | 2 | 8.27 | 8.24 | 8.22 | 8.23 | $<13$ |
|  | 3 | 8.28 | 8.25 | 8.25 | 8.22 | < 13 |

Table 7-175. Peak To Average Power Radio Summary Data (B66_5M+5M+5M+5M_4C)

| Channel | Port | PAPR (dB) |  |  |  | Limit <br> (dB) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.17 | 8.25 | 8.19 | 8.19 | < 13 |
|  | 1 | 8.17 | 8.21 | 8.18 | 8.19 | < 13 |
|  | 2 | 8.19 | 8.19 | 8.07 | 8.22 | < 13 |
|  | 3 | 8.18 | 8.17 | 8.08 | 8.20 | < 13 |
| Middle | 0 | 8.23 | 8.24 | 8.23 | 8.25 | < 13 |
|  | 1 | 8.25 | 8.25 | 8.22 | 8.24 | < 13 |
|  | 2 | 8.24 | 8.24 | 8.26 | 8.21 | < 13 |
|  | 3 | 8.25 | 8.25 | 8.26 | 8.22 | < 13 |
| High | 0 | 8.24 | 8.20 | 8.25 | 8.24 | < 13 |
|  | 1 | 8.24 | 8.24 | 8.25 | 8.26 | < 13 |
|  | 2 | 8.24 | 8.21 | 8.22 | 8.20 | < 13 |
|  | 3 | 8.23 | 8.25 | 8.23 | 8.20 | < 13 |

Table 7-176. Peak To Average Power Radio Summary Data (B66_5M+5M+5M+20M_4C)

| FCC ID: A3LRF4437D-25C | F\|PCTEST | MEASUREMENT REPORT | SMMSUNE | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: 07/19/2021-08/13/2021 | EUT Type: <br> RRU(RF4437d) |  | Page 233 of 420 |


| 局位TEST |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Channel | Port | PAPR (dB) |  |  |  | Limit (dB) |
|  |  | QPSK | 16QAM | 64QAM | 256QAM |  |
| Low | 0 | 8.21 | 8.24 | 8.20 | 8.20 | < 13 |
|  | 1 | 8.20 | 8.22 | 8.18 | 8.21 | <13 |
|  | 2 | 8.22 | 8.20 | 8.21 | 8.21 | <13 |
|  | 3 | 8.20 | 8.19 | 8.23 | 8.23 | <13 |
| Middle | 0 | 8.26 | 8.24 | 8.27 | 8.24 | <13 |
|  | 1 | 8.25 | 8.22 | 8.27 | 8.26 | $<13$ |
|  | 2 | 8.23 | 8.23 | 8.28 | 8.21 | <13 |
|  | 3 | 8.24 | 8.22 | 8.27 | 8.21 | <13 |
| High | 0 | 8.25 | 8.21 | 8.21 | 8.20 | <13 |
|  | 1 | 8.24 | 8.22 | 8.24 | 8.20 | <13 |
|  | 2 | 8.23 | 8.22 | 8.22 | 8.21 | <13 |
|  | 3 | 8.23 | 8.24 | 8.22 | 8.24 | <13 |

Table 7-177. Peak To Average Power Radio Summary Data (B66_5M+5M+10M+20M_4C)

| FCC ID: A3LRF4437D-25C | F-PCTEST | MEASUREMENT REPORT | SnMSUNA | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: <br> 8K21071202-R2.A3L | Test Dates: $07 / 19 / 2021-08 / 13 / 2021$ | EUT Type: <br> RRU(RF4437d) |  | Page 234 of 420 |

## TAPCTEST



Plot 7-850. Peak To Average Power Radio Plot (B66_5M+5M+5M+5M_4C_QPSK - Low Channel, Port 3)


Plot 7-852. Peak To Average Power Radio Plot (B66_5M+5M+5M+5M_4C_QPSK - High Channel, Port 0)


Plot 7-854. Peak To Average Power Radio Plot (B66_5M+5M+5M+20M_4C_64QAM - Mid Channel, Port 2)


Plot 7-851. Peak To Average Power Radio Plot (B66_5M+5M+5M+5M_4C_16QAM - Mid Channel, Port 0)


Plot 7-853. Peak To Average Power Radio Plot (B66_5M+5M+5M+20M_4C_16QAM - Low Channel, Port 0)


Plot 7-855. Peak To Average Power Radio Plot
(B66_5M+5M+5M+20M_4C_256QAM - High Channel, Port 1)

| FCC ID: A3LRF4437D-25C | F) PCTEST | MEASUREMENT REPORT | Snmsung | Approved by: <br> Technical Manager |
| :---: | :---: | :---: | :---: | :---: |
| Test Report S/N: 8K21071202-R2.A3L | Test Dates: <br> 07/19/2021-08/13/2021 | EUT Type: RRU(RF4437d) |  | Page 235 of 420 |

$\qquad$ RRU(RF4437d)

