

| Low Channel                      | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.44    | 40.51    | 40.50    | 40.42    |
| Conducted Average                | 1    | 40.33    | 40.38    | 40.33    | 40.29    |
| Power (dBm)                      | 2    | 40.58    | 40.63    | 40.63    | 40.54    |
|                                  | 3    | 40.50    | 40.57    | 40.43    | 40.48    |
| Total MIMO Conducted Power (mW)  |      | 44504.67 | 45124.07 | 44611.56 | 44198.58 |
| Total MIMO Conducted Power (dBm) |      | 46.48    | 46.54    | 46.49    | 46.45    |

Table 7-51. Conducted Average Output Power Table (B66\_5M\_1C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.80    | 40.70    | 40.75    | 40.63    |
| Conducted Average                | 1    | 40.59    | 40.58    | 40.55    | 40.50    |
| Power (dBm)                      | 2    | 40.87    | 40.84    | 40.77    | 40.71    |
|                                  | 3    | 40.73    | 40.77    | 40.77    | 40.66    |
| Total MIMO Conducted Power (mW)  |      | 47526.19 | 47251.53 | 47114.89 | 46198.63 |
| Total MIMO Conducted Power (dBm) |      | 46.77    | 46.74    | 46.73    | 46.65    |

Table 7-52. Conducted Average Output Power Table (B66\_5M\_1C - Middle Channel)

| High Channel                    | Port                       | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|---------------------------------|----------------------------|----------|----------|----------|----------|
|                                 | 0                          | 40.79    | 40.82    | 40.80    | 40.79    |
| Conducted Average               | 1                          | 40.57    | 40.66    | 40.63    | 40.61    |
| Power (dBm)                     | 2                          | 40.78    | 40.79    | 40.83    | 40.75    |
|                                 | 3                          | 40.77    | 40.76    | 40.74    | 40.76    |
| Total MIMO Conducted Power (mW) |                            | 47304.78 | 47626.81 | 47547.44 | 47300.44 |
| Total MIMO Conducte (dBm)       | Total MIMO Conducted Power |          | 46.78    | 46.77    | 46.75    |

Table 7-53. Conducted Average Output Power Table (B66\_5M\_1C - High Channel)

| FCC ID: A3LRF4437D-25C | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
|------------------------|-------------------------------------|--------------------|---------|--------------------------------|
| Test Report S/N:       | Test Dates:                         | EUT Type:          |         | Page 103 of 420                |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021               | RRU(RF4437d)       |         | Fage 103 01 420                |



| Low Channel                      | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.69    | 40.66    | 40.70    | 40.71    |
| Conducted Average                | 1    | 40.41    | 40.54    | 40.49    | 40.52    |
| Power (dBm)                      | 2    | 40.68    | 40.65    | 40.71    | 40.75    |
|                                  | 3    | 40.72    | 40.67    | 40.75    | 40.76    |
| Total MIMO Conducted Power (mW)  |      | 46210.21 | 46247.85 | 46604.44 | 46845.48 |
| Total MIMO Conducted Power (dBm) |      | 46.65    | 46.65    | 46.68    | 46.71    |

Table 7-54. Conducted Average Output Power Table (B66\_10M\_1C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.80    | 40.65    | 40.78    | 40.65    |
| Conducted Average                | 1    | 40.52    | 40.61    | 40.57    | 40.59    |
| Power (dBm)                      | 2    | 40.78    | 40.81    | 40.92    | 40.89    |
|                                  | 3    | 40.78    | 40.81    | 40.86    | 40.86    |
| Total MIMO Conducted Power (mW)  |      | 47229.43 | 47223.21 | 47919.27 | 47533.90 |
| Total MIMO Conducted Power (dBm) |      | 46.74    | 46.74    | 46.81    | 46.77    |

Table 7-55. Conducted Average Output Power Table (B66\_10M\_1C - Middle Channel)

| High Channel                    | Port     | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|---------------------------------|----------|----------|----------|----------|----------|
|                                 | 0        | 40.78    | 40.83    | 40.92    | 40.89    |
| Conducted Average               | 1        | 40.60    | 40.67    | 40.70    | 40.74    |
| Power (dBm)                     | 2        | 40.80    | 40.77    | 40.92    | 40.92    |
|                                 | 3        | 40.78    | 40.80    | 40.89    | 40.89    |
| Total MIMO Conducted Power (mW) |          | 47438.99 | 47736.60 | 48742.32 | 48765.95 |
| Total MIMO Conducte<br>(dBm)    | ed Power | 46.76    | 46.79    | 46.88    | 46.88    |

Table 7-56. Conducted Average Output Power Table (B66\_10M\_1C - High Channel)

| FCC ID: A3LRF4  | 437D-25C | ENGINESSING LABORATORY, INC. | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|-----------------|----------|------------------------------|--------------------|---------|-----------------------------------|
| Test Report S/N | : 7      | Test Dates:                  | EUT Type:          |         | Page 104 of 420                   |
| 8K21071202-R2   | A3L (    | 07/19/2021-08/13/2021        | RRU(RF4437d)       |         | Fage 104 01 420                   |



| Low Channel                      | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.58    | 40.68    | 40.62    | 40.61    |
| Conducted Average                | 1    | 40.45    | 40.48    | 40.42    | 40.45    |
| Power (dBm)                      | 2    | 40.60    | 40.67    | 40.71    | 40.67    |
|                                  | 3    | 40.64    | 40.76    | 40.72    | 40.67    |
| Total MIMO Conducted Power (mW)  |      | 45589.84 | 46444.14 | 46129.19 | 45935.94 |
| Total MIMO Conducted Power (dBm) |      | 46.59    | 46.67    | 46.64    | 46.62    |

Table 7-57. Conducted Average Output Power Table (B66\_15M\_1C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.65    | 40.77    | 40.70    | 40.58    |
| Conducted Average                | 1    | 40.49    | 40.59    | 40.57    | 40.53    |
| Power (dBm)                      | 2    | 40.80    | 40.97    | 40.88    | 40.79    |
|                                  | 3    | 40.75    | 40.78    | 40.78    | 40.75    |
| Total MIMO Conducted Power (mW)  |      | 46716.53 | 47865.01 | 47365.04 | 46606.76 |
| Total MIMO Conducted Power (dBm) |      | 46.69    | 46.80    | 46.75    | 46.68    |

Table 7-58. Conducted Average Output Power Table (B66\_15M\_1C - Middle Channel)

| High Channel                    | Port     | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|---------------------------------|----------|----------|----------|----------|----------|
|                                 | 0        | 40.82    | 40.81    | 40.76    | 40.82    |
| Conducted Average               | 1        | 40.65    | 40.68    | 40.64    | 40.69    |
| Power (dBm)                     | 2        | 40.74    | 40.93    | 40.83    | 40.91    |
|                                 | 3        | 40.77    | 40.90    | 40.84    | 40.83    |
| Total MIMO Conducted Power (mW) |          | 47490.19 | 48436.01 | 47740.06 | 48237.12 |
| Total MIMO Conducte<br>(dBm)    | ed Power | 46.77    | 46.85    | 46.79    | 46.83    |

Table 7-59. Conducted Average Output Power Table (B66\_15M\_1C - High Channel)

| FCC ID: A3LRF4437D-25C | PCTEST' ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
|------------------------|--------------------------------------|--------------------|---------|--------------------------------|
| Test Report S/N:       | Test Dates:                          | EUT Type:          |         | Page 105 of 420                |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021                | RRU(RF4437d)       |         | Fage 103 01 420                |



| Low Channel                     | Port     | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|---------------------------------|----------|----------|----------|----------|----------|
|                                 | 0        | 40.65    | 40.60    | 40.54    | 40.52    |
| Conducted Average               | 1        | 40.37    | 40.40    | 40.33    | 40.27    |
| Power (dBm)                     | 2        | 40.58    | 40.65    | 40.55    | 40.53    |
|                                 | 3        | 40.61    | 40.64    | 40.58    | 40.57    |
| Total MIMO Conducted Power (mW) |          | 45440.57 | 45648.58 | 44892.36 | 44613.86 |
| Total MIMO Conducte<br>(dBm)    | ed Power | 46.57    | 46.59    | 46.52    | 46.49    |

Table 7-60. Conducted Average Output Power Table (B66\_20M\_1C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.57    | 40.55    | 40.74    | 40.56    |
| Conducted Average                | 1    | 40.47    | 40.49    | 40.54    | 40.47    |
| Power (dBm)                      | 2    | 40.62    | 40.75    | 40.78    | 40.65    |
|                                  | 3    | 40.60    | 40.68    | 40.67    | 40.64    |
| Total MIMO Conducted Power (mW)  |      | 45561.51 | 46124.50 | 46817.19 | 45721.48 |
| Total MIMO Conducted Power (dBm) |      | 46.59    | 46.64    | 46.70    | 46.60    |

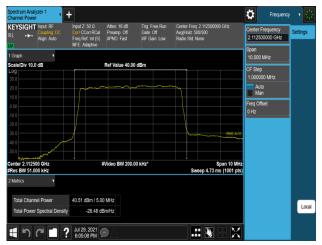
Table 7-61. Conducted Average Output Power Table (B66\_20M\_1C - Middle Channel)

| High Channel                    | Port     | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|---------------------------------|----------|----------|----------|----------|----------|
|                                 | 0        | 40.75    | 40.79    | 40.69    | 40.78    |
| Conducted Average               | 1        | 40.56    | 40.64    | 40.60    | 40.63    |
| Power (dBm)                     | 2        | 40.75    | 40.72    | 40.71    | 40.70    |
|                                 | 3        | 40.67    | 40.73    | 40.73    | 40.78    |
| Total MIMO Conducted Power (mW) |          | 46814.41 | 47216.39 | 46809.97 | 47244.91 |
| Total MIMO Conducte (dBm)       | ed Power | 46.70    | 46.74    | 46.70    | 46.74    |

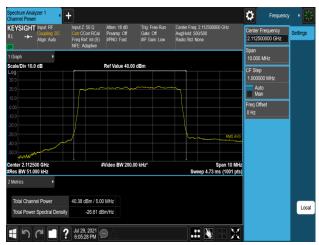
Table 7-62. Conducted Average Output Power Table (B66\_20M\_1C - High Channel)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
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| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 100 01 420                   |

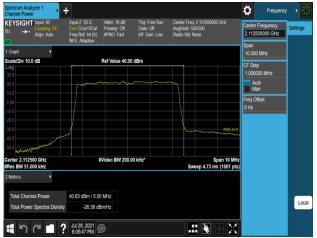




Plot 7-373. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - Low Channel, Port 0)



Plot 7-374. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - Low Channel, Port 1)



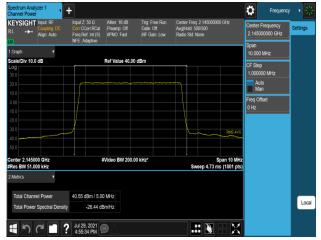
Plot 7-375. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - Low Channel, Port 2)



Plot 7-376. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - Low Channel, Port 3)



Plot 7-377. Conducted Average Output Power Plot (B66\_5M\_1C\_64QAM - Mid Channel, Port 0)



Plot 7-378. Conducted Average Output Power Plot (B66\_5M\_1C\_64QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 107 of 420                   |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 107 01 420                   |





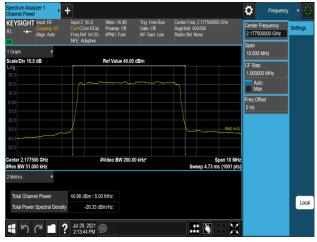
Plot 7-379. Conducted Average Output Power Plot (B66\_5M\_1C\_64QAM - Mid Channel, Port 2)



Plot 7-380. Conducted Average Output Power Plot (B66\_5M\_1C\_64QAM - Mid Channel, Port 3)



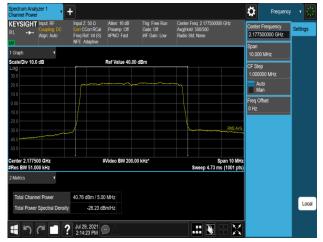
Plot 7-381. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - High Channel, Port 0)



Plot 7-382. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - High Channel, Port 1)



Plot 7-383. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - High Channel, Port 2)



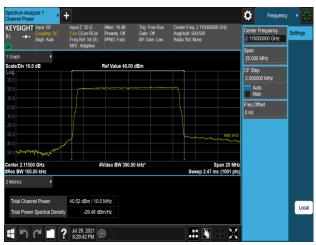
Plot 7-384. Conducted Average Output Power Plot (B66\_5M\_1C\_16QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 108 of 420                   |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 100 01 420                   |





Plot 7-385. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - Low Channel, Port 0)



Plot 7-386. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - Low Channel, Port 1)



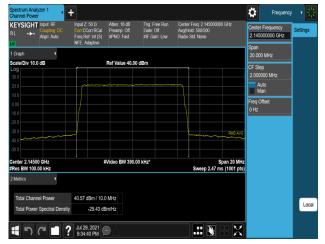
Plot 7-387. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - Low Channel, Port 2)



Plot 7-388. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - Low Channel, Port 3)



Plot 7-389. Conducted Average Output Power Plot (B66\_10M\_1C\_64QAM - Mid Channel, Port 0)



Plot 7-390. Conducted Average Output Power Plot (B66\_10M\_1C\_64QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | Approved by: Technical Manager |
|------------------------|-----------------------|--------------------|--------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          | Page 109 of 420                |
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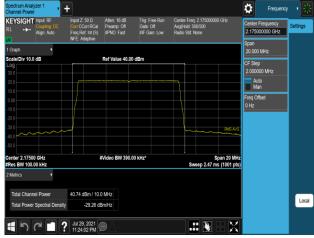
Plot 7-391. Conducted Average Output Power Plot (B66\_10M\_1C\_64QAM - Mid Channel, Port 2)



Plot 7-392. Conducted Average Output Power Plot (B66\_10M\_1C\_64QAM - Mid Channel, Port 3)



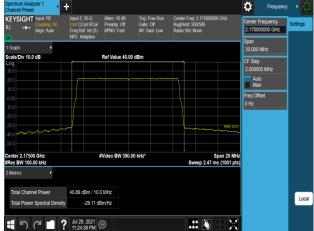
Plot 7-393. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - High Channel, Port 0)



Plot 7-394. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - High Channel, Port 1)



Plot 7-395. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - High Channel, Port 2)



Plot 7-396. Conducted Average Output Power Plot (B66\_10M\_1C\_256QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 110 of 420                   |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 110 01 420                   |

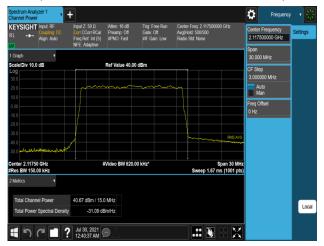




Plot 7-397. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Low Channel, Port 0)



Plot 7-398. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Low Channel, Port 1)



Plot 7-399. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Low Channel, Port 2)



Plot 7-400. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Low Channel, Port 3)



Plot 7-401. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Mid Channel, Port 0)



Plot 7-402. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | PCTEST ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
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| Test Report S/N:       | Test Dates:                         | EUT Type:          |         | Page 111 of 420                |
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Plot 7-403. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Mid Channel, Port 2)



Plot 7-404. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - Mid Channel, Port 3)



Plot 7-405. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - High Channel, Port 0)



Plot 7-406. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - High Channel, Port 1)



Plot 7-407. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - High Channel, Port 2)



Plot 7-408. Conducted Average Output Power Plot (B66\_15M\_1C\_16QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 112 of 420                   |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 112 01 420                   |





Plot 7-409. Conducted Average Output Power Plot (B66\_20M\_1C\_16QAM - Low Channel, Port 0)



Plot 7-410. Conducted Average Output Power Plot (B66\_20M\_1C\_16QAM - Low Channel, Port 1)



Plot 7-411. Conducted Average Output Power Plot (B66\_20M\_1C\_16QAM - Low Channel, Port 2)



Plot 7-412. Conducted Average Output Power Plot (B66\_20M\_1C\_16QAM - Low Channel, Port 3)



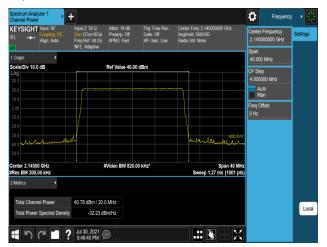
Plot 7-413. Conducted Average Output Power Plot (B66\_20M\_1C\_64QAM - Mid Channel, Port 0)



Plot 7-414. Conducted Average Output Power Plot (B66\_20M\_1C\_64QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 113 of 420                   |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 113 01 420                   |





Plot 7-415. Conducted Average Output Power Plot (B66\_20M\_1C\_64QAM - Mid Channel, Port 2)



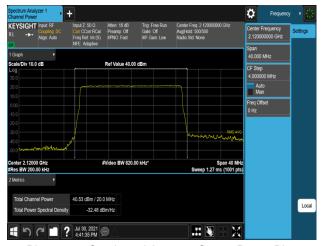
Plot 7-416. Conducted Average Output Power Plot (B66\_20M\_1C\_64QAM - Mid Channel, Port 3)



Plot 7-417. Conducted Average Output Power Plot (B66\_20M\_1C\_256QAM - High Channel, Port 0)



Plot 7-418. Conducted Average Output Power Plot (B66\_20M\_1C\_256QAM - High Channel, Port 1)



Plot 7-419. Conducted Average Output Power Plot (B66\_20M\_1C\_256QAM - High Channel, Port 2)



Plot 7-420. Conducted Average Output Power Plot (B66\_20M\_1C\_256QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 114 of 420                   |
| 8K21071202-R2.A3L      | 07/19/2021-08/13/2021 | RRU(RF4437d)       |         | Fage 114 01 420                   |



| Low Channel                      | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.50    | 40.47    | 40.58    | 40.53    |
| Conducted Average                | 1    | 40.12    | 40.23    | 40.13    | 40.28    |
| Power (dBm)                      | 2    | 40.30    | 40.26    | 40.30    | 40.24    |
|                                  | 3    | 40.56    | 40.64    | 40.61    | 40.56    |
| Total MIMO Conducted Power (mW)  |      | 43591.81 | 43891.54 | 43955.84 | 43908.37 |
| Total MIMO Conducted Power (dBm) |      | 46.39    | 46.42    | 46.43    | 46.43    |

Table 7-63. Conducted Average Output Power Table (B66\_5M+5M\_2C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.65    | 40.62    | 40.68    | 40.69    |
| Conducted Average                | 1    | 40.34    | 40.33    | 40.30    | 40.26    |
| Power (dBm)                      | 2    | 40.37    | 40.41    | 40.44    | 40.35    |
|                                  | 3    | 40.56    | 40.55    | 40.56    | 40.56    |
| Total MIMO Conducted Power (mW)  |      | 44694.40 | 44664.17 | 44852.70 | 44554.45 |
| Total MIMO Conducted Power (dBm) |      | 46.50    | 46.50    | 46.52    | 46.49    |

Table 7-64. Conducted Average Output Power Table (B66\_5M+5M\_2C - Middle Channel)

| High Channel                     | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.82    | 40.75    | 40.74    | 40.78    |
| Conducted Average                | 1    | 40.46    | 40.49    | 40.49    | 40.49    |
| Power (dBm)                      | 2    | 40.43    | 40.44    | 40.48    | 40.48    |
|                                  | 3    | 40.66    | 40.69    | 40.71    | 40.65    |
| Total MIMO Conducted Power (mW)  |      | 45877.50 | 45867.59 | 45996.76 | 45944.90 |
| Total MIMO Conducted Power (dBm) |      | 46.62    | 46.62    | 46.63    | 46.62    |

Table 7-65. Conducted Average Output Power Table (B66\_5M+5M\_2C - High Channel)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 115 of 420                   |
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| Low Channel                      | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.39    | 40.40    | 40.38    | 40.39    |
| Conducted Average                | 1    | 40.13    | 40.22    | 40.25    | 40.13    |
| Power (dBm)                      | 2    | 40.24    | 40.19    | 40.13    | 40.16    |
|                                  | 3    | 40.42    | 40.45    | 40.44    | 40.44    |
| Total MIMO Conducted Power (mW)  |      | 42826.99 | 43023.35 | 42877.04 | 42684.95 |
| Total MIMO Conducted Power (dBm) |      | 46.32    | 46.34    | 46.32    | 46.30    |

Table 7-66. Conducted Average Output Power Table (B66\_5M+20M\_2C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.52    | 40.56    | 40.55    | 40.52    |
| Conducted Average                | 1    | 40.30    | 40.23    | 40.36    | 40.30    |
| Power (dBm)                      | 2    | 40.30    | 40.37    | 40.32    | 40.31    |
|                                  | 3    | 40.55    | 40.55    | 40.62    | 40.53    |
| Total MIMO Conducted Power (mW)  |      | 44052.47 | 44159.55 | 44513.55 | 44025.02 |
| Total MIMO Conducted Power (dBm) |      | 46.44    | 46.45    | 46.48    | 46.44    |

Table 7-67. Conducted Average Output Power Table (B66\_5M+20M\_2C - Middle Channel)

| High Channel                     | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.65    | 40.60    | 40.62    | 40.57    |
| Conducted Average                | 1    | 40.40    | 40.42    | 40.43    | 40.40    |
| Power (dBm)                      | 2    | 40.42    | 40.38    | 40.44    | 40.44    |
|                                  | 3    | 40.69    | 40.64    | 40.72    | 40.64    |
| Total MIMO Conducted Power (mW)  |      | 45316.61 | 44999.11 | 45444.76 | 45021.29 |
| Total MIMO Conducted Power (dBm) |      | 46.56    | 46.53    | 46.57    | 46.53    |

Table 7-68. Conducted Average Output Power Table (B66\_5M+20M\_2C - High Channel)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 116 of 420                   |
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| Low Channel                      | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.55    | 40.50    | 40.48    | 40.51    |
| Conducted Average                | 1    | 40.30    | 40.28    | 40.26    | 40.30    |
| Power (dBm)                      | 2    | 40.32    | 40.27    | 40.33    | 40.33    |
|                                  | 3    | 40.57    | 40.58    | 40.56    | 40.59    |
| Total MIMO Conducted Power (mW)  |      | 44232.45 | 43956.36 | 43951.33 | 44205.84 |
| Total MIMO Conducted Power (dBm) |      | 46.46    | 46.43    | 46.43    | 46.45    |

Table 7-69. Conducted Average Output Power Table (B66\_20M+20M\_2C - Low Channel)

| Middle Channel                   | Port | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|----------------------------------|------|----------|----------|----------|----------|
|                                  | 0    | 40.68    | 40.62    | 40.61    | 40.60    |
| Conducted Average                | 1    | 40.40    | 40.41    | 40.33    | 40.29    |
| Power (dBm)                      | 2    | 40.35    | 40.36    | 40.36    | 40.33    |
|                                  | 3    | 40.64    | 40.70    | 40.58    | 40.71    |
| Total MIMO Conducted Power (mW)  |      | 45086.82 | 45137.82 | 44590.51 | 44737.61 |
| Total MIMO Conducted Power (dBm) |      | 46.54    | 46.55    | 46.49    | 46.51    |

Table 7-70. Conducted Average Output Power Table (B66\_20M+20M\_2C - Middle Channel)

| High Channel                    | Port                       | QPSK     | 16QAM    | 64QAM    | 256QAM   |
|---------------------------------|----------------------------|----------|----------|----------|----------|
|                                 | 0                          | 40.59    | 40.61    | 40.63    | 40.62    |
| Conducted Average               | 1                          | 40.37    | 40.42    | 40.43    | 40.41    |
| Power (dBm)                     | 2                          | 40.40    | 40.44    | 40.58    | 40.45    |
|                                 | 3                          | 40.72    | 40.70    | 40.69    | 40.69    |
| Total MIMO Conducted Power (mW) |                            | 45112.42 | 45338.61 | 45752.65 | 45338.29 |
| Total MIMO Conducte (dBm)       | Total MIMO Conducted Power |          | 46.56    | 46.60    | 46.56    |

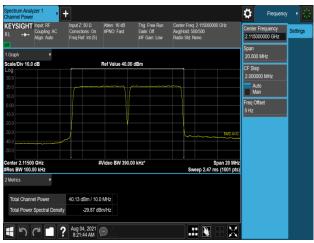
Table 7-71. Conducted Average Output Power Table (B66\_20M+20M\_2C - High Channel)

| FCC ID: A3LRF4437D-25C | PCTEST' ENGINEERING LABORATORY, INC. | MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
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| Test Report S/N:       | Test Dates:                          | EUT Type:          |         | Page 117 of 420                |
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Plot 7-421. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_16QAM - Low Channel, Port 0)



Plot 7-422. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_16QAM - Low Channel, Port 1)



Plot 7-423. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_16QAM - Low Channel, Port 2)



Plot 7-424. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_16QAM - Low Channel, Port 3)



Plot 7-425. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - Mid Channel, Port 0)



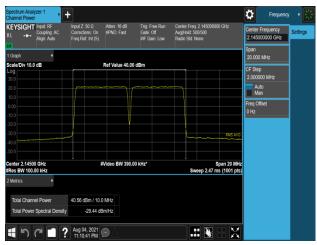
Plot 7-426. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_ 64QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
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Plot 7-427. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - Mid Channel, Port 2)



Plot 7-428. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - Mid Channel, Port 3)



Plot 7-429. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - High Channel, Port 0)



Plot 7-430. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - High Channel, Port 1)



Plot 7-431. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - High Channel, Port 2)



Plot 7-432. Conducted Average Output Power Plot (B66\_5M+5M\_2C\_64QAM - High Channel, Port 3)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
| Test Report S/N:       | Test Dates:           | EUT Type:          |         | Page 119 of 420                   |
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Plot 7-433. Conducted Average Output Power Plot (B66\_5M+20M\_2C\_16QAM - Low Channel, Port 0)



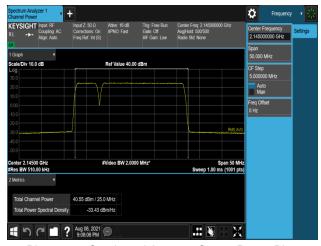
Plot 7-434. Conducted Average Output Power Plot (B66\_5M+20M\_2C\_16QAM - Low Channel, Port 1)



Plot 7-435. Conducted Average Output Power Plot (B66\_5M+20M\_2C\_16QAM - Low Channel, Port 2)



Plot 7-436. Conducted Average Output Power Plot (B66\_5M+20M\_2C\_16QAM - Low Channel, Port 3)



Plot 7-437. Conducted Average Output Power Plot (B66\_5M+20M\_2C\_64QAM - Mid Channel, Port 0)



Plot 7-438. Conducted Average Output Power Plot (B66\_5M+20M\_2C\_64QAM - Mid Channel, Port 1)

| FCC ID: A3LRF4437D-25C | PCTEST*               | MEASUREMENT REPORT | SAMSUNG | Approved by:<br>Technical Manager |
|------------------------|-----------------------|--------------------|---------|-----------------------------------|
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