

Frequency Range : Above 1 GHz

Mode : 1M Bit/s (37 Byte)

Operation Mode: CH Low

| Frequency<br>[MHz] | Reading<br>[dBuV] | Duty Cycle<br>Factor<br>[dB] | A.F + C.L - A.G + D.F<br>[dB] | Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|------------------------------|-------------------------------|---------------|-------------------|-------------------|----------------|---------------------|
| 4804               | 47.88             | 0.00                         | 0.44                          | V             | 48.32             | 73.98             | 25.66          | PK                  |
| 4804               | 36.89             | 2.17                         | 0.44                          | V             | 39.5              | 53.98             | 14.48          | AV                  |
| 7206               | 48.24             | 0.00                         | 9.25                          | V             | 57.485            | 73.98             | 16.50          | PK                  |
| 7206               | 35.68             | 2.17                         | 9.25                          | V             | 47.095            | 53.98             | 6.89           | AV                  |
| 4804               | 47.84             | 0.00                         | 0.44                          | H             | 48.28             | 73.98             | 25.70          | PK                  |
| 4804               | 36.91             | 2.17                         | 0.44                          | H             | 39.52             | 53.98             | 14.46          | AV                  |
| 7206               | 48.12             | 0.00                         | 9.25                          | H             | 57.365            | 73.98             | 16.62          | PK                  |
| 7206               | 35.70             | 2.17                         | 9.25                          | H             | 47.115            | 53.98             | 6.86           | AV                  |

Operation Mode: CH Mid

| Frequency<br>[MHz] | Reading<br>[dBuV] | Duty Cycle<br>Factor<br>[dB] | A.F + C.L - A.G + D.F<br>[dB] | Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|------------------------------|-------------------------------|---------------|-------------------|-------------------|----------------|---------------------|
| 4880               | 48.44             | 0.00                         | 0.96                          | V             | 49.4              | 73.98             | 24.58          | PK                  |
| 4880               | 36.41             | 2.17                         | 0.96                          | V             | 39.54             | 53.98             | 14.44          | AV                  |
| 7320               | 47.91             | 0.00                         | 9.14                          | V             | 57.05             | 73.98             | 16.93          | PK                  |
| 7320               | 36.02             | 2.17                         | 9.14                          | V             | 47.33             | 53.98             | 6.65           | AV                  |
| 4880               | 48.25             | 0.00                         | 0.96                          | H             | 49.21             | 73.98             | 24.77          | PK                  |
| 4880               | 36.50             | 2.17                         | 0.96                          | H             | 39.63             | 53.98             | 14.35          | AV                  |
| 7320               | 48.01             | 0.00                         | 9.14                          | H             | 57.15             | 73.98             | 16.83          | PK                  |
| 7320               | 35.89             | 2.17                         | 9.14                          | H             | 47.2              | 53.98             | 6.78           | AV                  |

Operation Mode: CH High

| Frequency<br>[MHz] | Reading<br>[dBuV] | Duty Cycle<br>Factor<br>[dB] | A.F + C.L - A.G + D.F<br>[dB] | Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|------------------------------|-------------------------------|---------------|-------------------|-------------------|----------------|---------------------|
| 4960               | 47.59             | 0.00                         | 0.66                          | V             | 48.25             | 73.98             | 25.73          | PK                  |
| 4960               | 36.35             | 2.17                         | 0.66                          | V             | 39.18             | 53.98             | 14.80          | AV                  |
| 7440               | 46.33             | 0.00                         | 10.16                         | V             | 56.49             | 73.98             | 17.49          | PK                  |
| 7440               | 34.41             | 2.17                         | 10.16                         | V             | 46.74             | 53.98             | 7.24           | AV                  |
| 4960               | 47.54             | 0.00                         | 0.66                          | H             | 48.2              | 73.98             | 25.78          | PK                  |
| 4960               | 36.39             | 2.17                         | 0.66                          | H             | 39.22             | 53.98             | 14.76          | AV                  |
| 7440               | 46.55             | 0.00                         | 10.16                         | H             | 56.71             | 73.98             | 17.27          | PK                  |
| 7440               | 34.49             | 2.17                         | 10.16                         | H             | 46.82             | 53.98             | 7.16           | AV                  |

Mode : 1M Bit/s (255 Byte)

Operation Mode: CH Low

| Frequency<br>[MHz] | Reading<br>[dBuV] | Duty Cycle<br>Factor<br>[dB] | A.F + C.L - A.G + D.F<br>[dB] | Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|------------------------------|-------------------------------|---------------|-------------------|-------------------|----------------|---------------------|
| 4804               | 47.96             | 0.00                         | 0.44                          | V             | 48.40             | 73.98             | 25.58          | PK                  |
| 4804               | 35.94             | 0.71                         | 0.44                          | V             | 37.09             | 53.98             | 16.89          | AV                  |
| 7206               | 48.03             | 0.00                         | 9.25                          | V             | 57.275            | 73.98             | 16.71          | PK                  |
| 7206               | 35.75             | 0.71                         | 9.25                          | V             | 45.705            | 53.98             | 8.28           | AV                  |
| 4804               | 48.08             | 0.00                         | 0.44                          | H             | 48.52             | 73.98             | 25.46          | PK                  |
| 4804               | 35.99             | 0.71                         | 0.44                          | H             | 37.14             | 53.98             | 16.84          | AV                  |
| 7206               | 47.77             | 0.00                         | 9.25                          | H             | 57.015            | 73.98             | 16.97          | PK                  |
| 7206               | 35.81             | 0.71                         | 9.25                          | H             | 45.765            | 53.98             | 8.22           | AV                  |

Operation Mode: CH Mid

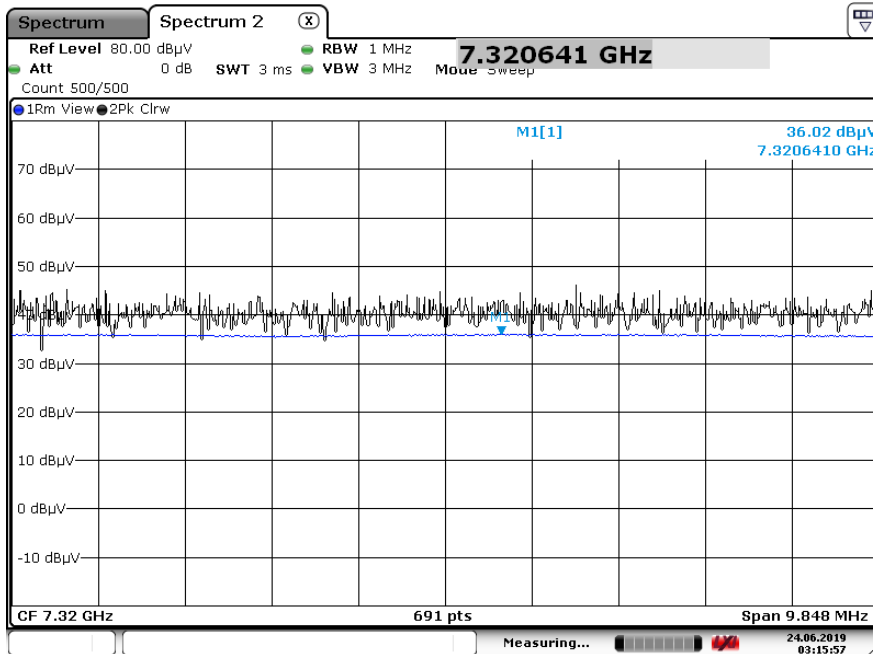
| Frequency<br>[MHz] | Reading<br>[dBuV] | Duty Cycle<br>Factor<br>[dB] | A.F + C.L - A.G + D.F<br>[dB] | Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|------------------------------|-------------------------------|---------------|-------------------|-------------------|----------------|---------------------|
| 4880               | 48.62             | 0.00                         | 0.96                          | V             | 49.58             | 73.98             | 24.40          | PK                  |
| 4880               | 36.51             | 0.71                         | 0.96                          | V             | 38.18             | 53.98             | 15.80          | AV                  |
| 7320               | 48.56             | 0.00                         | 9.14                          | V             | 57.7              | 73.98             | 16.28          | PK                  |
| 7320               | 36.03             | 0.71                         | 9.14                          | V             | 45.88             | 53.98             | 8.10           | AV                  |
| 4880               | 49.25             | 0.00                         | 0.96                          | H             | 50.21             | 73.98             | 23.77          | PK                  |
| 4880               | 36.53             | 0.71                         | 0.96                          | H             | 38.2              | 53.98             | 15.78          | AV                  |
| 7320               | 48.14             | 0.00                         | 9.14                          | H             | 57.28             | 73.98             | 16.70          | PK                  |
| 7320               | 36.00             | 0.71                         | 9.14                          | H             | 45.85             | 53.98             | 8.13           | AV                  |

Operation Mode: CH High

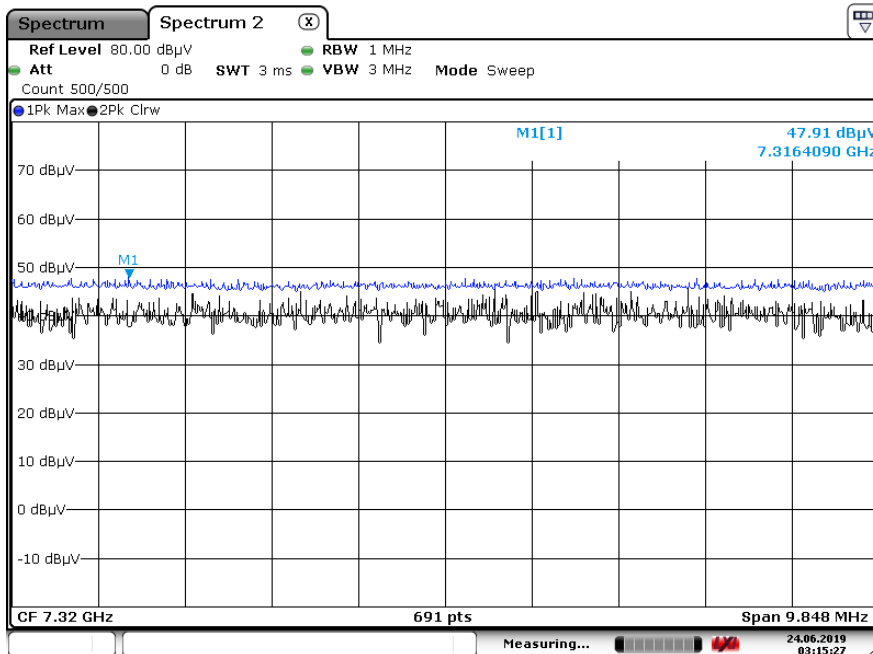
| Frequency<br>[MHz] | Reading<br>[dBuV] | Duty Cycle<br>Factor<br>[dB] | A.F + C.L - A.G + D.F<br>[dB] | Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|-------------------|------------------------------|-------------------------------|---------------|-------------------|-------------------|----------------|---------------------|
| 4960               | 48.52             | 0.00                         | 0.66                          | V             | 49.18             | 73.98             | 24.80          | PK                  |
| 4960               | 36.40             | 0.71                         | 0.66                          | V             | 37.77             | 53.98             | 16.21          | AV                  |
| 7440               | 46.15             | 0.00                         | 10.16                         | V             | 56.31             | 73.98             | 17.67          | PK                  |
| 7440               | 34.48             | 0.71                         | 10.16                         | V             | 45.35             | 53.98             | 8.63           | AV                  |
| 4960               | 47.95             | 0.00                         | 0.66                          | H             | 48.61             | 73.98             | 25.37          | PK                  |
| 4960               | 36.44             | 0.71                         | 0.66                          | H             | 37.81             | 53.98             | 16.17          | AV                  |
| 7440               | 46.18             | 0.00                         | 10.16                         | H             | 56.34             | 73.98             | 17.64          | PK                  |
| 7440               | 34.53             | 0.71                         | 10.16                         | H             | 45.4              | 53.98             | 8.58           | AV                  |

1M Bit 37 Byte Test Plots (Worst case : Z-V)

Radiated Spurious Emissions plot – Average Reading (Ch.19 3rd Harmonic)

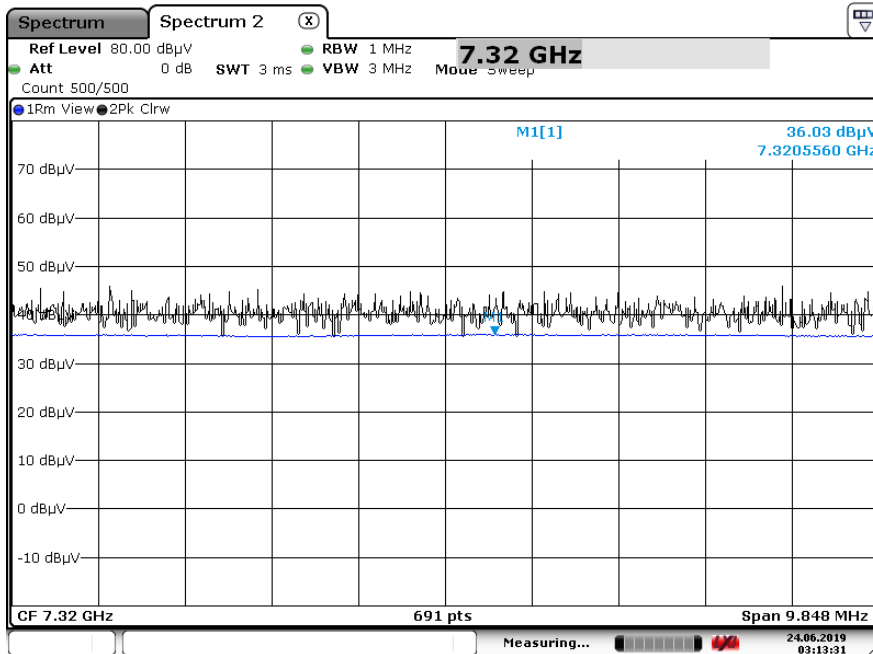


Radiated Spurious Emissions plot – Peak Reading (Ch.19 3rd Harmonic)

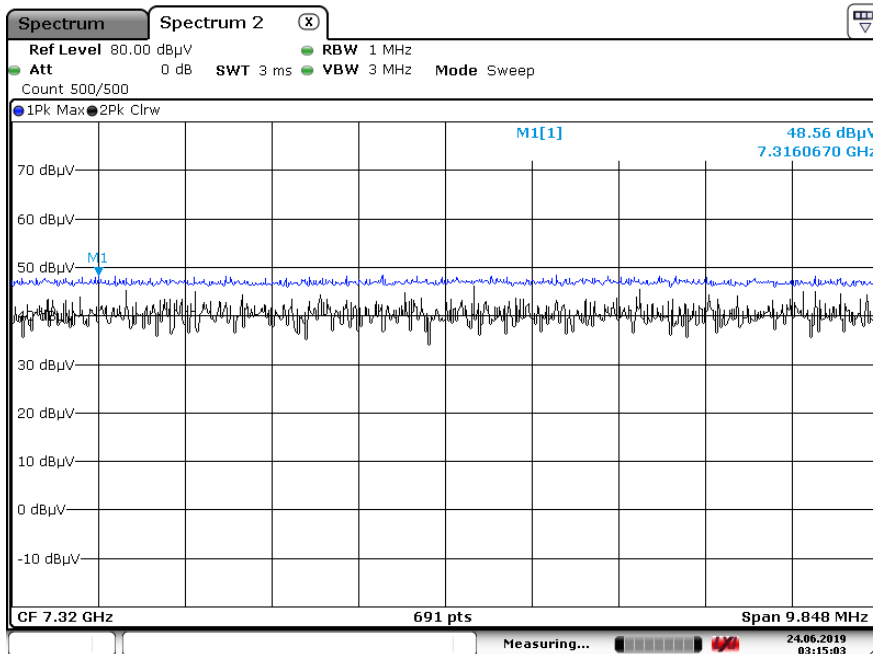


1M Bit 255 Byte Test Plots (Worst case : Z-V)

Radiated Spurious Emissions plot – Average Reading (Ch.19 3rd Harmonic)



Radiated Spurious Emissions plot – Peak Reading (Ch.19 3rd Harmonic)



**Note:**

Plot of worst case are only reported.

### 9.7 RADIATED RESTRICTED BAND EDGES

Mode : 1M Bit/s 37 byte

Operating Frequency 2402 MHz  
 Channel No. 0

| Frequency<br>[MHz] | Reading<br>[dBuV/m] | Duty Cycle<br>Factor<br>[dB] | A.F.+C.L.+D.F<br>-AMP+ATT.<br>[dB] | Ant. Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|---------------------|------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------|---------------------|
| 2390.0             | 17.74               | 0.00                         | 33.39                              | H                  | 51.13             | 73.98             | 22.85          | PK                  |
| 2390.0             | 8.32                | 2.17                         | 33.39                              | H                  | 43.88             | 53.98             | 10.10          | AV                  |
| 2390.0             | 18.28               | 0.00                         | 33.39                              | V                  | 51.67             | 73.98             | 22.31          | PK                  |
| 2390.0             | 8.49                | 2.17                         | 33.39                              | V                  | 44.05             | 53.98             | 9.93           | AV                  |

Operating Frequency 2480 MHz  
 Channel No. 39

| Frequency<br>[MHz] | Reading<br>[dBuV/m] | Duty Cycle<br>Factor<br>[dB] | A.F.+C.L.+D.F<br>-AMP+ATT.<br>[dB] | Ant. Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|---------------------|------------------------------|------------------------------------|--------------------|-------------------|-------------------|----------------|---------------------|
| 2483.5             | 20.18               | 0.00                         | 33.39                              | H                  | 53.57             | 73.98             | 20.41          | PK                  |
| 2483.5             | 8.38                | 2.17                         | 33.39                              | H                  | 43.94             | 53.98             | 10.04          | AV                  |
| 2483.5             | 20.38               | 0.00                         | 33.39                              | V                  | 53.77             | 73.98             | 20.21          | PK                  |
| 2483.5             | 8.56                | 2.17                         | 33.39                              | V                  | 44.12             | 53.98             | 9.86           | AV                  |

Mode : 1M Bit/s 255 byte

Operating Frequency 2402 MHz  
 Channel No. 0

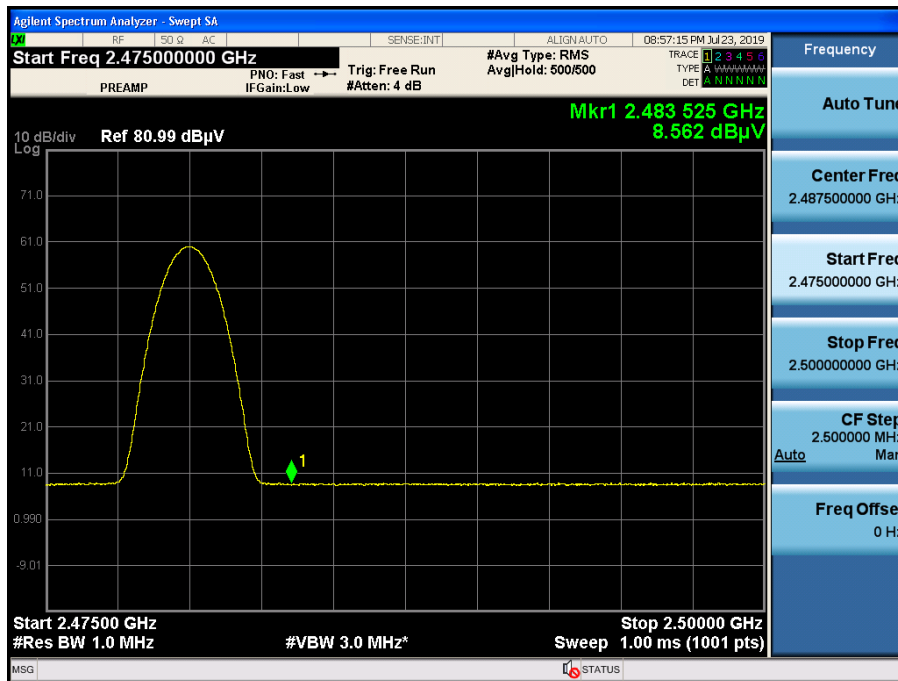
| Frequency<br>[MHz] | Reading<br>[dBuV/m] | Duty Cycle<br>Factor<br>[dB] | A.F.+C.L.+D.F<br>-AMP+ATT<br>[dB] | Ant. Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|---------------------|------------------------------|-----------------------------------|--------------------|-------------------|-------------------|----------------|---------------------|
| 2390.0             | 19.78               | 0.00                         | 33.39                             | H                  | 53.17             | 73.98             | 20.81          | PK                  |
| 2390.0             | 8.33                | 0.71                         | 33.39                             | H                  | 42.43             | 53.98             | 11.55          | AV                  |
| 2390.0             | 19.51               | 0.00                         | 33.39                             | V                  | 52.90             | 73.98             | 21.08          | PK                  |
| 2390.0             | 8.45                | 0.71                         | 33.39                             | V                  | 42.55             | 53.98             | 11.43          | AV                  |

Operating Frequency 2480 MHz  
 Channel No. 39

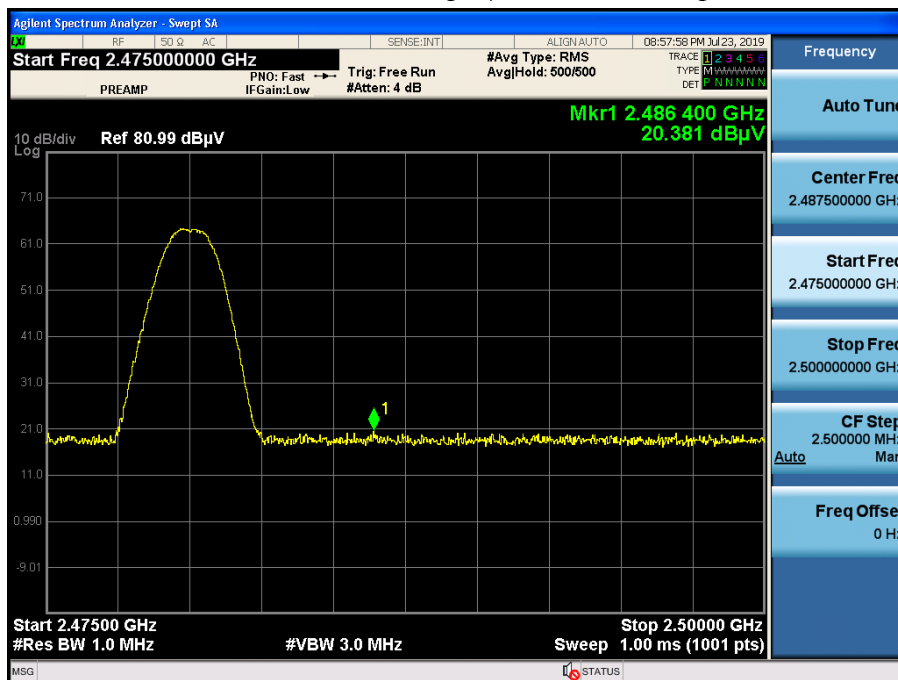
| Frequency<br>[MHz] | Reading<br>[dBuV/m] | Duty Cycle<br>Factor<br>[dB] | A.F.+C.L.+D.F<br>-AMP+ATT<br>[dB] | Ant. Pol.<br>[H/V] | Total<br>[dBuV/m] | Limit<br>[dBuV/m] | Margin<br>[dB] | Measurement<br>Type |
|--------------------|---------------------|------------------------------|-----------------------------------|--------------------|-------------------|-------------------|----------------|---------------------|
| 2483.5             | 20.44               | 0.00                         | 33.39                             | H                  | 53.83             | 73.98             | 20.15          | PK                  |
| 2483.5             | 8.70                | 0.71                         | 33.39                             | H                  | 42.80             | 53.98             | 11.18          | AV                  |
| 2483.5             | 20.63               | 0.00                         | 33.39                             | V                  | 54.02             | 73.98             | 19.96          | PK                  |
| 2483.5             | 8.80                | 0.71                         | 33.39                             | V                  | 42.90             | 53.98             | 11.08          | AV                  |

Mode : 1M Bit/s (37 Byte) Test Plots (Worst case : Y-V)

Radiated Restricted Band Edges plot – Average Reading (Ch.39)

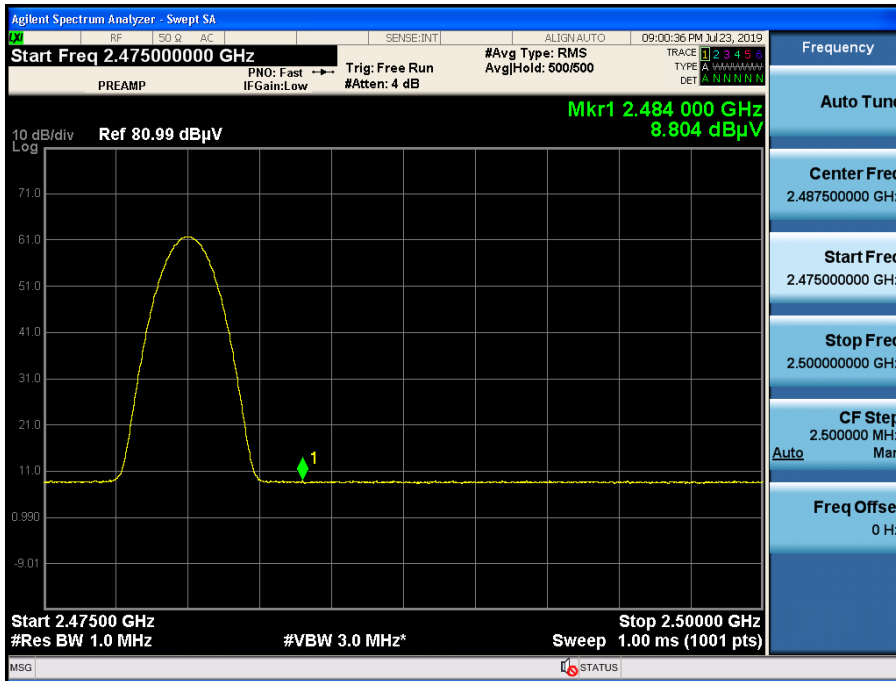


Radiated Restricted Band Edges plot – Peak Reading (Ch.39)

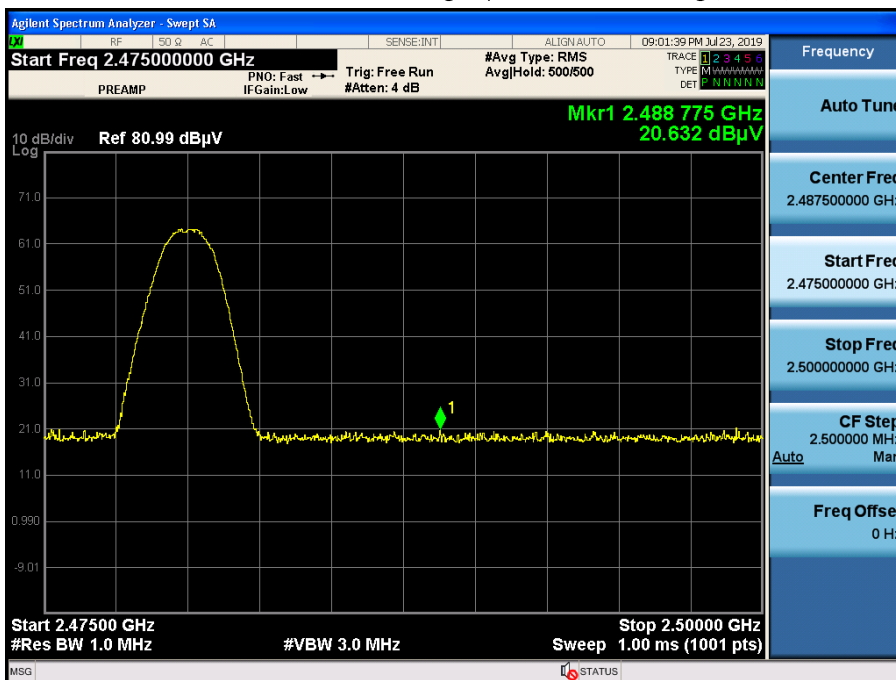


Mode : 1M Bit/s (255 Byte) Test Plots (Worst case : Y-V)

Radiated Restricted Band Edges plot – Average Reading (Ch.39)



Radiated Restricted Band Edges plot – Peak Reading (Ch.39)



**Note:**

Plot of worst case are only reported.

## 9.8 RECEIVER SPURIOUS EMISSIONS

### Frequency Range : Below 1 GHz

| Frequency               | Reading | Ant. factor | Cable loss | Ant. POL | Total  | Limit  | Margin |
|-------------------------|---------|-------------|------------|----------|--------|--------|--------|
| MHz                     | dBuV/m  | dBm/m       | dBm        | (H/V)    | dBuV/m | dBuV/m | dB     |
| No Critical peaks found |         |             |            |          |        |        |        |

**Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

### Frequency Range : Above 1 GHz

| Frequency               | Reading | Ant. factor | Cable loss | Ant. POL | Total  | Limit  | Margin |
|-------------------------|---------|-------------|------------|----------|--------|--------|--------|
| MHz                     | dBuV/m  | dBm/m       | dBm        | (H/V)    | dBuV/m | dBuV/m | dB     |
| No Critical peaks found |         |             |            |          |        |        |        |

### 9.9 POWERLINE CONDUCTED EMISSIONS

#### Conducted Emissions (Line 1)

BT LE L1

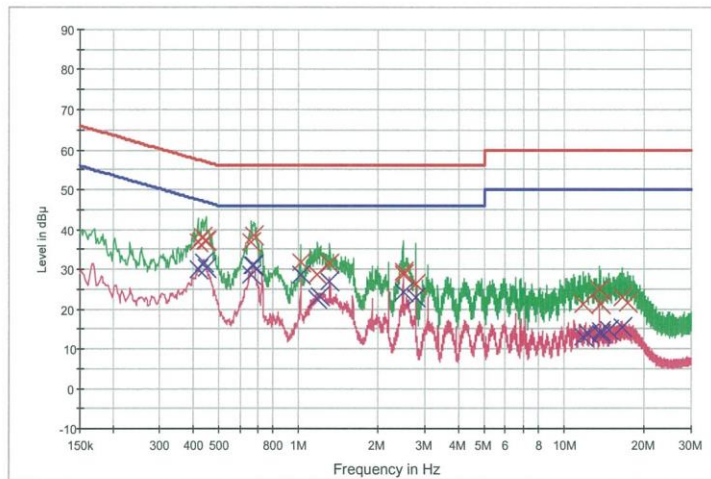
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## HCT TEST Report

### Common Information

EUT: SM-R825U  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE L1

FCC CLASS B\_Exten Cable



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
— Preview Result 2-AVG      x Final Result 1-QPK      x Final Result 2-CAV

### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|------------------|-----------------|--------|------|------------|-------------|--------------|
| 0.418000        | 36.8             | 9.000           | Off    | L1   | 9.7        | 20.7        | 57.5         |
| 0.436000        | 38.2             | 9.000           | Off    | L1   | 9.7        | 18.9        | 57.1         |
| 0.444000        | 37.0             | 9.000           | Off    | L1   | 9.7        | 20.0        | 57.0         |
| 0.448000        | 37.0             | 9.000           | Off    | L1   | 9.7        | 19.9        | 56.9         |
| 0.666000        | 36.9             | 9.000           | Off    | L1   | 9.8        | 19.1        | 56.0         |
| 0.678000        | 38.4             | 9.000           | Off    | L1   | 9.8        | 17.6        | 56.0         |
| 1.020000        | 31.5             | 9.000           | Off    | L1   | 9.8        | 24.5        | 56.0         |
| 1.182000        | 28.8             | 9.000           | Off    | L1   | 9.8        | 27.2        | 56.0         |
| 1.312000        | 31.4             | 9.000           | Off    | L1   | 9.9        | 24.6        | 56.0         |
| 2.470000        | 28.7             | 9.000           | Off    | L1   | 9.9        | 27.3        | 56.0         |
| 2.474000        | 29.4             | 9.000           | Off    | L1   | 9.9        | 26.6        | 56.0         |
| 2.762000        | 26.2             | 9.000           | Off    | L1   | 9.9        | 29.8        | 56.0         |
| 11.786000       | 21.2             | 9.000           | Off    | L1   | 10.3       | 38.8        | 60.0         |
| 13.562000       | 24.9             | 9.000           | Off    | L1   | 10.4       | 35.1        | 60.0         |
| 13.712000       | 21.1             | 9.000           | Off    | L1   | 10.4       | 38.9        | 60.0         |
| 16.432000       | 22.9             | 9.000           | Off    | L1   | 10.5       | 37.1        | 60.0         |
| 16.448000       | 22.9             | 9.000           | Off    | L1   | 10.5       | 37.1        | 60.0         |
| 17.368000       | 21.7             | 9.000           | Off    | L1   | 10.5       | 38.3        | 60.0         |

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BT LE L1

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**Final Result 2**

| Frequency (MHz) | CAverage (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.418000        | 29.9            | 9.000           | Off    | L1   | 9.7        | 17.6        | 47.5         |
| 0.438000        | 31.8            | 9.000           | Off    | L1   | 9.7        | 15.3        | 47.1         |
| 0.448000        | 30.4            | 9.000           | Off    | L1   | 9.7        | 16.6        | 46.9         |
| 0.666000        | 28.7            | 9.000           | Off    | L1   | 9.8        | 17.3        | 46.0         |
| 0.674000        | 31.0            | 9.000           | Off    | L1   | 9.8        | 15.0        | 46.0         |
| 0.680000        | 30.9            | 9.000           | Off    | L1   | 9.8        | 15.1        | 46.0         |
| 1.018000        | 28.6            | 9.000           | Off    | L1   | 9.8        | 17.4        | 46.0         |
| 1.182000        | 22.7            | 9.000           | Off    | L1   | 9.8        | 23.3        | 46.0         |
| 1.200000        | 23.2            | 9.000           | Off    | L1   | 9.8        | 22.8        | 46.0         |
| 1.312000        | 26.9            | 9.000           | Off    | L1   | 9.9        | 19.1        | 46.0         |
| 2.474000        | 24.2            | 9.000           | Off    | L1   | 9.9        | 21.8        | 46.0         |
| 2.764000        | 22.9            | 9.000           | Off    | L1   | 9.9        | 23.1        | 46.0         |
| 11.786000       | 13.1            | 9.000           | Off    | L1   | 10.3       | 36.9        | 50.0         |
| 12.376000       | 13.6            | 9.000           | Off    | L1   | 10.3       | 36.4        | 50.0         |
| 13.656000       | 14.4            | 9.000           | Off    | L1   | 10.4       | 35.6        | 50.0         |
| 13.712000       | 13.6            | 9.000           | Off    | L1   | 10.4       | 36.4        | 50.0         |
| 14.694000       | 14.7            | 9.000           | Off    | L1   | 10.4       | 35.3        | 50.0         |
| 16.448000       | 15.4            | 9.000           | Off    | L1   | 10.5       | 34.6        | 50.0         |

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Conducted Emissions (Line 2)

BT LE N

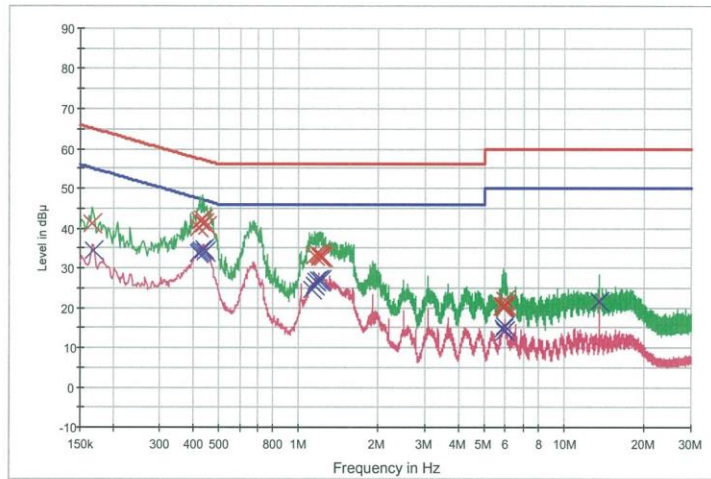
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## HCT TEST Report

### Common Information

EUT: SM-R825U  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: BT LE N

FCC CLASS B\_Exten Cable



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
— Preview Result 2-AVG      x Final Result 1-QPK      x Final Result 2-CAV

### Final Result 1

| Frequency (MHz) | QuasiPeak (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|------------------|-----------------|--------|------|------------|-------------|--------------|
| 0.166000        | 41.1             | 9.000           | Off    | N    | 9.8        | 24.0        | 65.2         |
| 0.420000        | 40.2             | 9.000           | Off    | N    | 9.9        | 17.3        | 57.4         |
| 0.424000        | 41.8             | 9.000           | Off    | N    | 9.9        | 15.6        | 57.4         |
| 0.434000        | 42.3             | 9.000           | Off    | N    | 9.9        | 14.9        | 57.2         |
| 0.438000        | 41.3             | 9.000           | Off    | N    | 9.9        | 15.8        | 57.1         |
| 0.452000        | 40.5             | 9.000           | Off    | N    | 9.9        | 16.3        | 56.8         |
| 1.146000        | 33.2             | 9.000           | Off    | N    | 10.0       | 22.8        | 56.0         |
| 1.186000        | 33.4             | 9.000           | Off    | N    | 10.0       | 22.6        | 56.0         |
| 1.204000        | 32.7             | 9.000           | Off    | N    | 10.0       | 23.3        | 56.0         |
| 1.210000        | 32.9             | 9.000           | Off    | N    | 10.0       | 23.1        | 56.0         |
| 1.214000        | 33.0             | 9.000           | Off    | N    | 10.0       | 23.0        | 56.0         |
| 1.228000        | 32.7             | 9.000           | Off    | N    | 10.0       | 23.3        | 56.0         |
| 5.862000        | 20.1             | 9.000           | Off    | N    | 10.3       | 39.9        | 60.0         |
| 5.878000        | 20.4             | 9.000           | Off    | N    | 10.3       | 39.6        | 60.0         |
| 5.904000        | 20.1             | 9.000           | Off    | N    | 10.3       | 39.9        | 60.0         |
| 5.948000        | 20.2             | 9.000           | Off    | N    | 10.3       | 39.8        | 60.0         |
| 5.958000        | 22.0             | 9.000           | Off    | N    | 10.3       | 38.0        | 60.0         |
| 6.020000        | 20.4             | 9.000           | Off    | N    | 10.3       | 39.6        | 60.0         |

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**Final Result 2**

| Frequency (MHz) | CAverage (dBuV) | Bandwidth (kHz) | Filter | Line | Corr. (dB) | Margin (dB) | Limit (dBuV) |
|-----------------|-----------------|-----------------|--------|------|------------|-------------|--------------|
| 0.168000        | 34.3            | 9.000           | Off    | N    | 9.8        | 20.7        | 55.1         |
| 0.418000        | 33.6            | 9.000           | Off    | N    | 9.9        | 13.9        | 47.5         |
| 0.426000        | 34.2            | 9.000           | Off    | N    | 9.9        | 13.2        | 47.3         |
| 0.432000        | 34.5            | 9.000           | Off    | N    | 9.9        | 12.7        | 47.2         |
| 0.438000        | 34.7            | 9.000           | Off    | N    | 9.9        | 12.4        | 47.1         |
| 0.446000        | 34.2            | 9.000           | Off    | N    | 9.9        | 12.8        | 46.9         |
| 1.126000        | 24.7            | 9.000           | Off    | N    | 10.0       | 21.3        | 46.0         |
| 1.146000        | 25.7            | 9.000           | Off    | N    | 10.0       | 20.3        | 46.0         |
| 1.162000        | 26.5            | 9.000           | Off    | N    | 10.0       | 19.5        | 46.0         |
| 1.188000        | 27.0            | 9.000           | Off    | N    | 10.0       | 19.0        | 46.0         |
| 1.200000        | 26.7            | 9.000           | Off    | N    | 10.0       | 19.3        | 46.0         |
| 1.218000        | 26.8            | 9.000           | Off    | N    | 10.0       | 19.2        | 46.0         |
| 5.888000        | 14.8            | 9.000           | Off    | N    | 10.3       | 35.2        | 50.0         |
| 5.896000        | 14.7            | 9.000           | Off    | N    | 10.3       | 35.3        | 50.0         |
| 5.960000        | 15.6            | 9.000           | Off    | N    | 10.3       | 34.4        | 50.0         |
| 5.976000        | 14.1            | 9.000           | Off    | N    | 10.3       | 35.9        | 50.0         |
| 5.996000        | 14.0            | 9.000           | Off    | N    | 10.3       | 36.0        | 50.0         |
| 13.558000       | 21.7            | 9.000           | Off    | N    | 10.6       | 28.4        | 50.0         |

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## 10. LIST OF TEST EQUIPMENT

### Conducted Test

| Manufacturer    | Model / Equipment                            | Calibration Date | Calibration Interval | Serial No. |
|-----------------|--|------------------|----------------------|------------|
| Rohde & Schwarz | ENV216 / LISN                                | 12/12/2018       | Annual               | 102245     |
| Rohde & Schwarz | ESCI / Test Receiver                         | 06/18/2019       | Annual               | 100033     |
| ESPAC           | SU-642 / Temperature Chamber                 | 03/12/2019       | Annual               | 0093008124 |
| Agilent         | N9020A / Signal Analyzer                     | 05/23/2019       | Annual               | MY51110085 |
| Agilent         | N9020A / Signal Analyzer                     | 05/24/2019       | Annual               | MY52090906 |
| Agilent         | N9030A / Signal Analyzer                     | 01/10/2019       | Annual               | MY49431210 |
| Rohde & Schwarz | OSP 120 / Power Measurement Set              | 07/24/2019       | Annual               | 101231     |
| Agilent         | N1911A / Power Meter                         | 04/10/2019       | Annual               | MY45100523 |
| Agilent         | N1921A / Power Sensor                        | 04/10/2019       | Annual               | MY52260025 |
| Agilent         | 87300B / Directional Coupler                 | 11/20/2018       | Annual               | 3116A03621 |
| Hewlett Packard | 11667B / Power Splitter                      | 05/24/2019       | Annual               | 05001      |
| Hewlett Packard | E3632A / DC Power Supply                     | 06/18/2019       | Annual               | KR75303960 |
| Agilent         | 8493C / Attenuator(10 dB)                    | 07/02/2019       | Annual               | 07560      |
| Rohde & Schwarz | EMC32 / Software                             | N/A              | N/A                  | N/A        |
| HCT CO., LTD.   | FCC WLAN&BT&BLE Conducted Test Software v3.0 | N/A              | N/A                  | N/A        |

### Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

**Radiated Test**

| Manufacturer           | Model / Equipment                                       | Calibration Date | Calibration Interval | Serial No.  |
|------------------------|---|------------------|----------------------|-------------|
| Innco system           | CO3000 / Controller(Antenna mast)                       | N/A              | N/A                  | CO3000-4p   |
| Innco system           | MA4640/800-XP-EP / Antenna Position Tower               | N/A              | N/A                  | N/A         |
| Audix                  | EM1000 / Controller                                     | N/A              | N/A                  | 060520      |
| Audix                  | Turn Table  | N/A              | N/A                  | N/A         |
| Rohde & Schwarz        | Loop Antenna  | 08/23/2018       | Biennial             | 1513-175    |
| Schwarzbeck            | VULB 9168 / Hybrid Antenna                              | 03/22/2019       | Biennial             | 760         |
| Schwarzbeck            | VULB 9160 / TRILOG Antenna                              | 08/09/2018       | Biennial             | 9160-3368   |
| Schwarzbeck            | BBHA 9120D / Horn Antenna                               | 04/29/2019       | Biennial             | 9120D-937   |
| Schwarzbeck            | BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)                | 12/04/2017       | Biennial             | BBHA9170541 |
| Rohde & Schwarz        | FSP(9 kHz ~ 30 GHz) / Spectrum Analyzer                 | 09/03/2018       | Annual               | 100688      |
| Rohde & Schwarz        | FSV40-N / Spectrum Analyzer                             | 09/28/2018       | Annual               | 101068-SZ   |
| Agilent                | N9020A / Signal Analyzer                                | 05/23/2019       | Annual               | MY51110085  |
| Wainwright Instruments | WHK3.0/18G-10EF / High Pass Filter                      | 05/23/2019       | Annual               | 8           |
| Wainwright Instruments | WHKX7.0/18G-8SS / High Pass Filter                      | 05/03/2019       | Annual               | 29          |
| Wainwright Instruments | WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter | 06/19/2019       | Annual               | 2           |
| Wainwright Instruments | WRCJV5100/5850-40/50-8EEK / Band Reject Filter          | 01/03/2019       | Annual               | 2           |
| Api tech.              | 18B-03 / Attenuator (3 dB)                              | 06/04/2019       | Annual               | 1           |
| Agilent                | 8493C-10 / Attenuator(10 dB)                            | 07/15/2019       | Annual               | 08285       |
| CERNEX                 | CBLU1183540 / Power Amplifier                           | 07/01/2019       | Annual               | 22964       |
| CERNEX                 | CBL06185030 / Power Amplifier                           | 07/01/2019       | Annual               | 22965       |
| CERNEX                 | CBL18265035 / Power Amplifier                           | 01/03/2019       | Annual               | 22966       |
| CERNEX                 | CBL26405040 / Power Amplifier                           | 06/18/2019       | Annual               | 25956       |

**Note:**

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date

**11. ANNEX A\_ TEST SETUP PHOTO**

Please refer to test setup photo file no. as follows;

| No. | Description         |
|-----|---------------------|
| 1   | HCT-RF-1907-FI017-P |