

## RPU416 Conducted Spurious Emissions Wide Band

**450.05 MHz**

| Freq.(MHz)                                   | 428.58 | 444.63 | 900.10 | 1350.15 | 1800.20 | 2250.25 | 2700.30 | 3150.35 | 3600.40 | 4050.45 | 4500.50 | 4950.55 |
|----------------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| step f. without notch(dbm)                   | -80.5  | -79    | -48.8  | -51.6   | n/a     | -78.6   | n/a     | -74     | n/a     | n/a     | n/a     | n/a     |
| step k. with notch(dbm)                      | n/a    | n/a    | -81.3  | n/a     | n/a     | n/a     | n/a     | -69     | n/a     | n/a     | n/a     | n/a     |
| step l. sig. Gen. w/ notch from step k.(dbm) |        |        | -48.2  |         |         |         |         | -30.8   |         |         |         |         |
| Spurious Attenuation (dB)                    |        |        | 84.35  |         |         |         |         | 66.95   |         |         |         |         |

Power = 4.12 watts

Power(dbm)= 36.15 dBm

Spurious Attenuation (dB) = 10log(Tx Power in Watts/0.001) - the levels in step l.

**460.5 MHz**

| Freq.(MHz)                                   | 439.07 | 455.08 | 921.00 | 1381.50 | 1842.00 | 2302.50 | 2763.00 | 3223.50 | 3684.00 | 4144.50 | 4605.00 | 5065.50 |
|----------------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| step f. without notch(dbm)                   | -80    | -79    | -49.6  | -51     | n/a     | -75     | n/a     | -68     | n/a     | n/a     | n/a     | n/a     |
| step k. with notch(dbm)                      | n/a    | n/a    | -81    | n/a     | n/a     | n/a     | n/a     | -66     | n/a     | n/a     | n/a     | n/a     |
| step l. sig. Gen. w/ notch from step k.(dbm) |        |        | -47.9  |         |         |         |         | -24     |         |         |         |         |
| Spurious Attenuation (dB)                    |        |        | 84.36  |         |         |         |         | 60.46   |         |         |         |         |

Power = 4.43 watts

Power(dbm)= 36.46 dBm

Spurious Attenuation (dB) = 10log(Tx Power in Watts/0.001) - the levels in step l.

**469.95 MHz**

| Freq.(MHz)                                   | 462.53 | 477.27 | 939.90 | 1409.85 | 1879.80 | 2349.75 | 2819.70 | 3289.65 | 3759.60 | 4229.55 | 4699.50 | 5169.45 |
|----------------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| step f. without notch(dbm)                   | -78.5  | -79.1  | -50.33 | -51.1   | n/a     | -77     | n/a     | -67     | n/a     | n/a     | n/a     | n/a     |
| step k. with notch(dbm)                      | n/a    | n/a    | -81.3  | n/a     | n/a     | n/a     | n/a     | -71.8   | n/a     | n/a     | n/a     | n/a     |
| step l. sig. Gen. w/ notch from step k.(dbm) |        |        | -46.9  |         |         |         |         | -30.3   |         |         |         |         |
| Spurious Attenuation (dB)                    |        |        | 83.29  |         |         |         |         | 66.69   |         |         |         |         |

Power = 4.36 watts

Power(dbm)= 36.39 dBm

Spurious Attenuation (dB) = 10log(Tx Power in Watts/0.001) - the levels in step l.

## RPU416 Conducted Spurious Emissions Narrow Band

**450.05 MHz**

| Freq.(MHz)                                   | 428.62 | 444.65 | 900.10 | 1350.15 | 1800.20 | 2250.25 | 2700.30 | 3150.35 | 3600.40 | 4050.45 | 4500.50 | 4950.55 |
|----------------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| step f. without notch(dbm)                   | -79.6  | -79.5  | -48    | -50.6   | n/a     | -75.3   | n/a     | -69.8   | n/a     | n/a     | n/a     | n/a     |
| step k. with notch(dbm)                      | n/a    | n/a    | -81.6  | n/a     | n/a     | -81     | n/a     | -66.6   | n/a     | n/a     | n/a     | n/a     |
| step l. sig. Gen. w/ notch from step k.(dbm) |        |        | -46.9  |         |         | -44.6   |         | -28.6   |         |         |         |         |
| Spurious Attenuation (dB)                    |        |        | 83.05  |         |         | 80.75   |         | 64.75   |         |         |         |         |

Power = 4.12 watts

Power(dbm)= 36.15 dBm

Spurious Attenuation (dB) = 10log(Tx Power in Watts/0.001) - the levels in step l.

**460.5 MHz**

| Freq.(MHz)                                   | 439.05 | 455.08 | 921.00 | 1381.50 | 1842.00 | 2302.50 | 2763.00 | 3223.50 | 3684.00 | 4144.50 | 4605.00 | 5065.50 |
|----------------------------------------------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| step f. without notch(dbm)                   | -79.5  | -78    | -49.8  | -51     | n/a     | -74.8   | n/a     | -66     | n/a     | n/a     | n/a     | n/a     |
| step k. with notch(dbm)                      | n/a    | n/a    | n/a    | n/a     | n/a     | n/a     | n/a     | -64.5   | n/a     | n/a     | n/a     | n/a     |
| step l. sig. Gen. w/ notch from step k.(dbm) |        |        |        |         |         |         |         | -24.7   |         |         |         |         |
| Spurious Attenuation (dB)                    |        |        |        |         |         |         |         | 61.16   |         |         |         |         |

Power = 4.43 watts

Power(dbm)= 36.46 dBm

Spurious Attenuation (dB) =  $10\log(\text{Tx Power in Watts}/0.001)$  - the levels in step l.

**469.95 MHz**

| Freq.(MHz)                                   | 448.5 | 462.53 | 939.90 | 1409.85 | 1879.80 | 2349.75 | 2819.70 | 3289.65 | 3759.60 | 4229.55 | 4699.50 | 5169.45 |
|----------------------------------------------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| step f. without notch(dbm)                   | -79.6 | -78.1  | -50.3  | -51     | n/a     | -75     | n/a     | -67     | n/a     | n/a     | n/a     | n/a     |
| step k. with notch(dbm)                      | n/a   | n/a    | n/a    | n/a     | n/a     | n/a     | n/a     | -70.3   | n/a     | n/a     | n/a     | n/a     |
| step l. sig. Gen. w/ notch from step k.(dbm) |       |        |        |         |         |         |         | -28.4   |         |         |         |         |
| Spurious Attenuation (dB)                    |       |        |        |         |         |         |         | 64.79   |         |         |         |         |

Power = 4.36 watts

Power(dbm)= 36.39 dBm

Spurious Attenuation (dB) =  $10\log(\text{Tx Power in Watts}/0.001)$  - the levels in step l.

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