



Annex A

Output Power



UNII-2A Data

10 dBi PtoMP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 11.2 | 12.1 | 13.2 | 16.2 | 14.7 | 20 | -5.3 |
| 10 | 5300 | vt0 | 12.1 | 12.4 | 16.2 | 17.4 | 15.3 | 20 | -4.7 |
| 10 | 5340 | vt0 | 7.4 | 10.5 | 5.5 | 11.2 | 12.2 | 20 | -7.8 |
| 20 | 5260 | vt0 | 12.8 | 14.6 | 19.1 | 28.8 | 16.8 | 20 | -3.2 |
| 20 | 5300 | vt0 | 14.5 | 15.1 | 28.2 | 32.4 | 17.8 | 20 | -2.2 |
| 20 | 5335 | vt0 | 7.0 | 9.2 | 5.0 | 8.3 | 11.2 | 20 | -8.8 |
| 30 | 5265 | vt0 | 16.7 | 16.7 | 46.8 | 46.8 | 19.7 | 20 | -0.3 |
| 30 | 5300 | vt0 | 16.1 | 16.0 | 40.7 | 39.8 | 19.1 | 20 | -0.9 |
| 30 | 5330 | vt0 | 5.4 | 7.3 | 3.5 | 5.4 | 9.5 | 20 | -10.5 |
| 40 | 5270 | vf0 | 16.2 | 17.2 | 41.7 | 52.5 | 19.7 | 20 | -0.3 |
| 40 | 5300 | vf0 | 16.5 | 17.1 | 44.7 | 51.3 | 19.8 | 20 | -0.2 |
| 40 | 5330 | vf0 | 7.3 | 7.1 | 5.4 | 5.1 | 10.2 | 20 | -9.8 |

13 dBi PtoMP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 8.2 | 9.1 | 6.6 | 8.1 | 11.7 | 17 | -5.3 |
| 10 | 5300 | vt0 | 9.1 | 9.4 | 8.1 | 8.7 | 12.3 | 17 | -4.7 |
| 10 | 5340 | vt0 | 4.4 | 7.5 | 2.8 | 5.6 | 9.2 | 17 | -7.8 |
| 20 | 5260 | vt0 | 9.8 | 11.6 | 9.5 | 14.5 | 13.8 | 17 | -3.2 |
| 20 | 5300 | vt0 | 11.5 | 12.1 | 14.1 | 16.2 | 14.8 | 17 | -2.2 |
| 20 | 5335 | vt0 | 4.0 | 6.2 | 2.5 | 4.2 | 8.2 | 17 | -8.8 |
| 30 | 5265 | vt0 | 13.7 | 13.7 | 23.4 | 23.4 | 16.7 | 17 | -0.3 |
| 30 | 5300 | vt0 | 13.1 | 13.0 | 20.4 | 20.0 | 16.1 | 17 | -0.9 |
| 30 | 5330 | vt0 | 2.4 | 4.3 | 1.7 | 2.7 | 6.5 | 17 | -10.5 |
| 40 | 5270 | vf0 | 13.2 | 14.2 | 20.9 | 26.3 | 16.7 | 17 | -0.3 |
| 40 | 5300 | vf0 | 13.5 | 14.1 | 22.4 | 25.7 | 16.8 | 17 | -0.2 |
| 40 | 5330 | vf0 | 4.3 | 4.1 | 2.7 | 2.6 | 7.2 | 17 | -9.8 |



16dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 5.2 | 6.1 | 3.3 | 4.1 | 8.7 | 14 | -5.3 |
| 10 | 5300 | vt0 | 6.1 | 6.4 | 4.1 | 4.4 | 9.3 | 14 | -4.7 |
| 10 | 5340 | vt0 | 1.4 | 4.5 | 1.4 | 2.8 | 6.2 | 14 | -7.8 |
| 20 | 5260 | vt0 | 6.8 | 8.6 | 4.8 | 7.2 | 10.8 | 14 | -3.2 |
| 20 | 5300 | vt0 | 8.5 | 9.1 | 7.1 | 8.1 | 11.8 | 14 | -2.2 |
| 20 | 5335 | vt0 | 1.0 | 3.2 | 1.3 | 2.1 | 5.2 | 14 | -8.8 |
| 30 | 5265 | vt0 | 10.7 | 10.7 | 11.7 | 11.7 | 13.7 | 14 | -0.3 |
| 30 | 5300 | vt0 | 10.1 | 10.0 | 10.2 | 10.0 | 13.1 | 14 | -0.9 |
| 30 | 5330 | vt0 | -0.6 | 1.3 | 0.9 | 1.3 | 3.5 | 14 | -10.5 |
| 40 | 5270 | vf0 | 10.2 | 11.2 | 10.5 | 13.2 | 13.7 | 14 | -0.3 |
| 40 | 5300 | vf0 | 10.5 | 11.1 | 11.2 | 12.9 | 13.8 | 14 | -0.2 |
| 40 | 5330 | vf0 | 1.3 | 1.1 | 1.3 | 1.3 | 4.2 | 14 | -9.8 |

17 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 4.2 | 5.1 | 2.6 | 3.2 | 7.7 | 13 | -5.3 |
| 10 | 5300 | vt0 | 5.1 | 5.4 | 3.2 | 3.5 | 8.3 | 13 | -4.7 |
| 10 | 5340 | vt0 | 0.4 | 3.5 | 1.1 | 2.2 | 5.2 | 13 | -7.8 |
| 20 | 5260 | vt0 | 5.8 | 7.6 | 3.8 | 5.8 | 9.8 | 13 | -3.2 |
| 20 | 5300 | vt0 | 7.5 | 8.1 | 5.6 | 6.5 | 10.8 | 13 | -2.2 |
| 20 | 5335 | vt0 | 0.0 | 2.2 | 1.0 | 1.7 | 4.2 | 13 | -8.8 |
| 30 | 5265 | vt0 | 9.7 | 9.7 | 9.3 | 9.3 | 12.7 | 13 | -0.3 |
| 30 | 5300 | vt0 | 9.1 | 9.0 | 8.1 | 7.9 | 12.1 | 13 | -0.9 |
| 30 | 5330 | vt0 | -1.6 | 0.3 | 0.7 | 1.1 | 2.5 | 13 | -10.5 |
| 40 | 5270 | vf0 | 9.2 | 10.2 | 8.3 | 10.5 | 12.7 | 13 | -0.3 |
| 40 | 5300 | vf0 | 9.5 | 10.1 | 8.9 | 10.2 | 12.8 | 13 | -0.2 |
| 40 | 5330 | vf0 | 0.3 | 0.1 | 1.1 | 1.0 | 3.2 | 13 | -9.8 |



19 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 2.2 | 3.1 | 1.7 | 2.0 | 5.7 | 11 | -5.3 |
| 10 | 5300 | vt0 | 3.1 | 3.4 | 2.0 | 2.2 | 6.3 | 11 | -4.7 |
| 10 | 5340 | vt0 | -1.6 | 1.5 | 0.7 | 1.4 | 3.2 | 11 | -7.8 |
| 20 | 5260 | vt0 | 3.8 | 5.6 | 2.4 | 3.6 | 7.8 | 11 | -3.2 |
| 20 | 5300 | vt0 | 5.5 | 6.1 | 3.5 | 4.1 | 8.8 | 11 | -2.2 |
| 20 | 5335 | vt0 | -2.0 | 0.2 | 0.6 | 1.0 | 2.2 | 11 | -8.8 |
| 30 | 5265 | vt0 | 7.7 | 7.7 | 5.9 | 5.9 | 10.7 | 11 | -0.3 |
| 30 | 5300 | vt0 | 7.1 | 7.0 | 5.1 | 5.0 | 10.1 | 11 | -0.9 |
| 30 | 5330 | vt0 | -3.6 | -1.7 | 0.4 | 0.7 | 0.5 | 11 | -10.5 |
| 40 | 5270 | vf0 | 7.2 | 8.2 | 5.2 | 6.6 | 10.7 | 11 | -0.3 |
| 40 | 5300 | vf0 | 7.5 | 8.1 | 5.6 | 6.5 | 10.8 | 11 | -0.2 |
| 40 | 5330 | vf0 | -1.7 | -1.9 | 0.7 | 0.6 | 1.2 | 11 | -9.8 |

20 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 1.2 | 2.1 | 1.3 | 1.6 | 4.7 | 10 | -5.3 |
| 10 | 5300 | vt0 | 2.1 | 2.4 | 1.6 | 1.7 | 5.3 | 10 | -4.7 |
| 10 | 5340 | vt0 | -2.6 | 0.5 | 0.5 | 1.1 | 2.2 | 10 | -7.8 |
| 20 | 5260 | vt0 | 2.8 | 4.6 | 1.9 | 2.9 | 6.8 | 10 | -3.2 |
| 20 | 5300 | vt0 | 4.5 | 5.1 | 2.8 | 3.2 | 7.8 | 10 | -2.2 |
| 20 | 5335 | vt0 | -3.0 | -0.8 | 0.5 | 0.8 | 1.2 | 10 | -8.8 |
| 30 | 5265 | vt0 | 6.7 | 6.7 | 4.7 | 4.7 | 9.7 | 10 | -0.3 |
| 30 | 5300 | vt0 | 6.1 | 6.0 | 4.1 | 4.0 | 9.1 | 10 | -0.9 |
| 30 | 5330 | vt0 | -4.6 | -2.7 | 0.3 | 0.5 | -0.5 | 10 | -10.5 |
| 40 | 5270 | vf0 | 6.2 | 7.2 | 4.2 | 5.2 | 9.7 | 10 | -0.3 |
| 40 | 5300 | vf0 | 6.5 | 7.1 | 4.5 | 5.1 | 9.8 | 10 | -0.2 |
| 40 | 5330 | vf0 | -2.7 | -2.9 | 0.5 | 0.5 | 0.2 | 10 | -9.8 |



21 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | 0.2 | 1.1 | 1.0 | 1.3 | 3.7 | 9 | -5.3 |
| 10 | 5300 | vt0 | 1.1 | 1.4 | 1.3 | 1.4 | 4.3 | 9 | -4.7 |
| 10 | 5340 | vt0 | -3.6 | -0.5 | 0.4 | 0.9 | 1.2 | 9 | -7.8 |
| 20 | 5260 | vt0 | 1.8 | 3.6 | 1.5 | 2.3 | 5.8 | 9 | -3.2 |
| 20 | 5300 | vt0 | 3.5 | 4.1 | 2.2 | 2.6 | 6.8 | 9 | -2.2 |
| 20 | 5335 | vt0 | -4.0 | -1.8 | 0.4 | 0.7 | 0.2 | 9 | -8.8 |
| 30 | 5265 | vt0 | 5.7 | 5.7 | 3.7 | 3.7 | 8.7 | 9 | -0.3 |
| 30 | 5300 | vt0 | 5.1 | 5.0 | 3.2 | 3.2 | 8.1 | 9 | -0.9 |
| 30 | 5330 | vt0 | -5.6 | -3.7 | 0.3 | 0.4 | -1.5 | 9 | -10.5 |
| 40 | 5270 | vf0 | 5.2 | 6.2 | 3.3 | 4.2 | 8.7 | 9 | -0.3 |
| 40 | 5300 | vf0 | 5.5 | 6.1 | 3.5 | 4.1 | 8.8 | 9 | -0.2 |
| 40 | 5330 | vf0 | -3.7 | -3.9 | 0.4 | 0.4 | -0.8 | 9 | -9.8 |

22 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | -0.8 | 0.1 | 0.8 | 1.0 | 2.7 | 8 | -5.3 |
| 10 | 5300 | vt0 | 0.1 | 0.4 | 1.0 | 1.1 | 3.3 | 8 | -4.7 |
| 10 | 5340 | vt0 | -4.6 | -1.5 | 0.3 | 0.7 | 0.2 | 8 | -7.8 |
| 20 | 5260 | vt0 | 0.8 | 2.6 | 1.2 | 1.8 | 4.8 | 8 | -3.2 |
| 20 | 5300 | vt0 | 2.5 | 3.1 | 1.8 | 2.0 | 5.8 | 8 | -2.2 |
| 20 | 5335 | vt0 | -5.0 | -2.8 | 0.3 | 0.5 | -0.8 | 8 | -8.8 |
| 30 | 5265 | vt0 | 4.7 | 4.7 | 3.0 | 3.0 | 7.7 | 8 | -0.3 |
| 30 | 5300 | vt0 | 4.1 | 4.0 | 2.6 | 2.5 | 7.1 | 8 | -0.9 |
| 30 | 5330 | vt0 | -6.6 | -4.7 | 0.2 | 0.3 | -2.5 | 8 | -10.5 |
| 40 | 5270 | vf0 | 4.2 | 5.2 | 2.6 | 3.3 | 7.7 | 8 | -0.3 |
| 40 | 5300 | vf0 | 4.5 | 5.1 | 2.8 | 3.2 | 7.8 | 8 | -0.2 |
| 40 | 5330 | vf0 | -4.7 | -4.9 | 0.3 | 0.3 | -1.8 | 8 | -9.8 |



30 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | -8.8 | -7.9 | 0.1 | 0.2 | -5.3 | 0 | -5.3 |
| 10 | 5300 | vt0 | -7.9 | -7.6 | 0.2 | 0.2 | -4.7 | 0 | -4.7 |
| 10 | 5340 | vt0 | -12.6 | -9.5 | 0.1 | 0.1 | -7.8 | 0 | -7.8 |
| 20 | 5260 | vt0 | -7.2 | -5.4 | 0.2 | 0.3 | -3.2 | 0 | -3.2 |
| 20 | 5300 | vt0 | -5.5 | -4.9 | 0.3 | 0.3 | -2.2 | 0 | -2.2 |
| 20 | 5335 | vt0 | -13.0 | -10.8 | 0.1 | 0.1 | -8.8 | 0 | -8.8 |
| 30 | 5265 | vt0 | -3.3 | -3.3 | 0.5 | 0.5 | -0.3 | 0 | -0.3 |
| 30 | 5300 | vt0 | -3.9 | -4.0 | 0.4 | 0.4 | -0.9 | 0 | -0.9 |
| 30 | 5330 | vt0 | -14.6 | -12.7 | 0.0 | 0.1 | -10.5 | 0 | -10.5 |
| 40 | 5270 | vf0 | -3.8 | -2.8 | 0.4 | 0.5 | -0.3 | 0 | -0.3 |
| 40 | 5300 | vf0 | -3.5 | -2.9 | 0.4 | 0.5 | -0.2 | 0 | -0.2 |
| 40 | 5330 | vf0 | -12.7 | -12.9 | 0.1 | 0.1 | -9.8 | 0 | -9.8 |

31 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | -9.8 | -8.9 | 0.1 | 0.1 | -6.3 | -1 | -5.3 |
| 10 | 5300 | vt0 | -8.9 | -8.6 | 0.1 | 0.1 | -5.7 | -1 | -4.7 |
| 10 | 5340 | vt0 | -13.6 | -10.5 | 0.0 | 0.1 | -8.8 | -1 | -7.8 |
| 20 | 5260 | vt0 | -8.2 | -6.4 | 0.2 | 0.2 | -4.2 | -1 | -3.2 |
| 20 | 5300 | vt0 | -6.5 | -5.9 | 0.2 | 0.3 | -3.2 | -1 | -2.2 |
| 20 | 5335 | vt0 | -14.0 | -11.8 | 0.0 | 0.1 | -9.8 | -1 | -8.8 |
| 30 | 5265 | vt0 | -4.3 | -4.3 | 0.4 | 0.4 | -1.3 | -1 | -0.3 |
| 30 | 5300 | vt0 | -4.9 | -5.0 | 0.3 | 0.3 | -1.9 | -1 | -0.9 |
| 30 | 5330 | vt0 | -15.6 | -13.7 | 0.0 | 0.0 | -11.5 | -1 | -10.5 |
| 40 | 5270 | vf0 | -4.8 | -3.8 | 0.3 | 0.4 | -1.3 | -1 | -0.3 |
| 40 | 5300 | vf0 | -4.5 | -3.9 | 0.4 | 0.4 | -1.2 | -1 | -0.2 |
| 40 | 5330 | vf0 | -13.7 | -13.9 | 0.0 | 0.0 | -10.8 | -1 | -9.8 |



34 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------------------|--------------|---------------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5255 | vt0 | -12.8 | -11.9 | 0.1 | 0.1 | -9.3 | -4 | -5.3 |
| 10 | 5300 | vt0 | -11.9 | -11.6 | 0.1 | 0.1 | -8.7 | -4 | -4.7 |
| 10 | 5340 | vt0 | -16.6 | -13.5 | 0.0 | 0.0 | -11.8 | -4 | -7.8 |
| 20 | 5260 | vt0 | -11.2 | -9.4 | 0.1 | 0.1 | -7.2 | -4 | -3.2 |
| 20 | 5300 | vt0 | -9.5 | -8.9 | 0.1 | 0.1 | -6.2 | -4 | -2.2 |
| 20 | 5335 | vt0 | -17.0 | -14.8 | 0.0 | 0.0 | -12.8 | -4 | -8.8 |
| 30 | 5265 | vt0 | -7.3 | -7.3 | 0.2 | 0.2 | -4.3 | -4 | -0.3 |
| 30 | 5300 | vt0 | -7.9 | -8.0 | 0.2 | 0.2 | -4.9 | -4 | -0.9 |
| 30 | 5330 | vt0 | -18.6 | -16.7 | 0.0 | 0.0 | -14.5 | -4 | -10.5 |
| 40 | 5270 | vf0 | -7.8 | -6.8 | 0.2 | 0.2 | -4.3 | -4 | -0.3 |
| 40 | 5300 | vf0 | -7.5 | -6.9 | 0.2 | 0.2 | -4.2 | -4 | -0.2 |
| 40 | 5330 | vf0 | -16.7 | -16.9 | 0.0 | 0.0 | -13.8 | -4 | -9.8 |



UNII-2C Data

10 dBi PtoMP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | 10.5 | 11.6 | 11.2 | 14.5 | 14.1 | 20 | -5.9 |
| 10 | 5600 | vt0 | 12.4 | 12.5 | 17.4 | 17.8 | 15.5 | 20 | -4.5 |
| 10 | 5715 | vt0 | 11.1 | 8.9 | 12.9 | 7.8 | 13.1 | 20 | -6.9 |
| 20 | 5485 | vt0 | 12.8 | 9.7 | 19.1 | 9.3 | 14.5 | 20 | -5.5 |
| 20 | 5600 | vt0 | 14.0 | 13.6 | 25.1 | 22.9 | 16.8 | 20 | -3.2 |
| 20 | 5710 | vt0 | 11.9 | 9.5 | 15.5 | 8.9 | 13.9 | 20 | -6.1 |
| 30 | 5490 | vt0 | 9.9 | 7.4 | 9.8 | 5.5 | 11.8 | 20 | -8.2 |
| 30 | 5600 | vt0 | 15.3 | 14.1 | 33.9 | 25.7 | 17.8 | 20 | -2.2 |
| 30 | 5705 | vt0 | 13.5 | 12.8 | 22.4 | 19.1 | 16.2 | 20 | -3.8 |
| 40 | 5495 | vf0 | 9.6 | 6.0 | 9.1 | 4.0 | 11.2 | 20 | -8.8 |
| 40 | 5600 | vf0 | 15.5 | 12.5 | 35.5 | 17.8 | 17.3 | 20 | -2.7 |
| 40 | 5700 | vf0 | 15.3 | 16.5 | 33.9 | 44.7 | 19.0 | 20 | -1.0 |

13 dBi PtoMP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | 7.5 | 8.6 | 5.6 | 7.2 | 11.1 | 17 | -5.9 |
| 10 | 5600 | vt0 | 9.4 | 9.5 | 8.7 | 8.9 | 12.5 | 17 | -4.5 |
| 10 | 5715 | vt0 | 8.1 | 5.9 | 6.5 | 3.9 | 10.1 | 17 | -6.9 |
| 20 | 5485 | vt0 | 9.8 | 6.7 | 9.5 | 4.7 | 11.5 | 17 | -5.5 |
| 20 | 5600 | vt0 | 11.0 | 10.6 | 12.6 | 11.5 | 13.8 | 17 | -3.2 |
| 20 | 5710 | vt0 | 8.9 | 6.5 | 7.8 | 4.5 | 10.9 | 17 | -6.1 |
| 30 | 5490 | vt0 | 6.9 | 4.4 | 4.9 | 2.8 | 8.8 | 17 | -8.2 |
| 30 | 5600 | vt0 | 12.3 | 11.1 | 17.0 | 12.9 | 14.8 | 17 | -2.2 |
| 30 | 5705 | vt0 | 10.5 | 9.8 | 11.2 | 9.5 | 13.2 | 17 | -3.8 |
| 40 | 5495 | vf0 | 6.6 | 3.0 | 4.6 | 2.0 | 8.2 | 17 | -8.8 |
| 40 | 5600 | vf0 | 12.5 | 9.5 | 17.8 | 8.9 | 14.3 | 17 | -2.7 |
| 40 | 5700 | vf0 | 12.3 | 13.5 | 17.0 | 22.4 | 16.0 | 17 | -1.0 |



16dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | 4.5 | 5.6 | 2.8 | 3.6 | 8.1 | 14 | -5.9 |
| 10 | 5600 | vt0 | 6.4 | 6.5 | 4.4 | 4.5 | 9.5 | 14 | -4.5 |
| 10 | 5715 | vt0 | 5.1 | 2.9 | 3.2 | 1.9 | 7.1 | 14 | -6.9 |
| 20 | 5485 | vt0 | 6.8 | 3.7 | 4.8 | 2.3 | 8.5 | 14 | -5.5 |
| 20 | 5600 | vt0 | 8.0 | 7.6 | 6.3 | 5.8 | 10.8 | 14 | -3.2 |
| 20 | 5710 | vt0 | 5.9 | 3.5 | 3.9 | 2.2 | 7.9 | 14 | -6.1 |
| 30 | 5490 | vt0 | 3.9 | 1.4 | 2.5 | 1.4 | 5.8 | 14 | -8.2 |
| 30 | 5600 | vt0 | 9.3 | 8.1 | 8.5 | 6.5 | 11.8 | 14 | -2.2 |
| 30 | 5705 | vt0 | 7.5 | 6.8 | 5.6 | 4.8 | 10.2 | 14 | -3.8 |
| 40 | 5495 | vf0 | 3.6 | 0.0 | 2.3 | 1.0 | 5.2 | 14 | -8.8 |
| 40 | 5600 | vf0 | 9.5 | 6.5 | 8.9 | 4.5 | 11.3 | 14 | -2.7 |
| 40 | 5700 | vf0 | 9.3 | 10.5 | 8.5 | 11.2 | 13.0 | 14 | -1.0 |

17 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | 3.5 | 4.6 | 2.2 | 2.9 | 7.1 | 13 | -5.9 |
| 10 | 5600 | vt0 | 5.4 | 5.5 | 3.5 | 3.5 | 8.5 | 13 | -4.5 |
| 10 | 5715 | vt0 | 4.1 | 1.9 | 2.6 | 1.5 | 6.1 | 13 | -6.9 |
| 20 | 5485 | vt0 | 5.8 | 2.7 | 3.8 | 1.9 | 7.5 | 13 | -5.5 |
| 20 | 5600 | vt0 | 7.0 | 6.6 | 5.0 | 4.6 | 9.8 | 13 | -3.2 |
| 20 | 5710 | vt0 | 4.9 | 2.5 | 3.1 | 1.8 | 6.9 | 13 | -6.1 |
| 30 | 5490 | vt0 | 2.9 | 0.4 | 1.9 | 1.1 | 4.8 | 13 | -8.2 |
| 30 | 5600 | vt0 | 8.3 | 7.1 | 6.8 | 5.1 | 10.8 | 13 | -2.2 |
| 30 | 5705 | vt0 | 6.5 | 5.8 | 4.5 | 3.8 | 9.2 | 13 | -3.8 |
| 40 | 5495 | vf0 | 2.6 | -1.0 | 1.8 | 0.8 | 4.2 | 13 | -8.8 |
| 40 | 5600 | vf0 | 8.5 | 5.5 | 7.1 | 3.5 | 10.3 | 13 | -2.7 |
| 40 | 5700 | vf0 | 8.3 | 9.5 | 6.8 | 8.9 | 12.0 | 13 | -1.0 |



19 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | 1.5 | 2.6 | 1.4 | 1.8 | 5.1 | 11 | -5.9 |
| 10 | 5600 | vt0 | 3.4 | 3.5 | 2.2 | 2.2 | 6.5 | 11 | -4.5 |
| 10 | 5715 | vt0 | 2.1 | -0.1 | 1.6 | 1.0 | 4.1 | 11 | -6.9 |
| 20 | 5485 | vt0 | 3.8 | 0.7 | 2.4 | 1.2 | 5.5 | 11 | -5.5 |
| 20 | 5600 | vt0 | 5.0 | 4.6 | 3.2 | 2.9 | 7.8 | 11 | -3.2 |
| 20 | 5710 | vt0 | 2.9 | 0.5 | 1.9 | 1.1 | 4.9 | 11 | -6.1 |
| 30 | 5490 | vt0 | 0.9 | -1.6 | 1.2 | 0.7 | 2.8 | 11 | -8.2 |
| 30 | 5600 | vt0 | 6.3 | 5.1 | 4.3 | 3.2 | 8.8 | 11 | -2.2 |
| 30 | 5705 | vt0 | 4.5 | 3.8 | 2.8 | 2.4 | 7.2 | 11 | -3.8 |
| 40 | 5495 | vf0 | 0.6 | -3.0 | 1.1 | 0.5 | 2.2 | 11 | -8.8 |
| 40 | 5600 | vf0 | 6.5 | 3.5 | 4.5 | 2.2 | 8.3 | 11 | -2.7 |
| 40 | 5700 | vf0 | 6.3 | 7.5 | 4.3 | 5.6 | 10.0 | 11 | -1.0 |

20 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | 0.5 | 1.6 | 1.1 | 1.4 | 4.1 | 10 | -5.9 |
| 10 | 5600 | vt0 | 2.4 | 2.5 | 1.7 | 1.8 | 5.5 | 10 | -4.5 |
| 10 | 5715 | vt0 | 1.1 | -1.1 | 1.3 | 0.8 | 3.1 | 10 | -6.9 |
| 20 | 5485 | vt0 | 2.8 | -0.3 | 1.9 | 0.9 | 4.5 | 10 | -5.5 |
| 20 | 5600 | vt0 | 4.0 | 3.6 | 2.5 | 2.3 | 6.8 | 10 | -3.2 |
| 20 | 5710 | vt0 | 1.9 | -0.5 | 1.5 | 0.9 | 3.9 | 10 | -6.1 |
| 30 | 5490 | vt0 | -0.1 | -2.6 | 1.0 | 0.5 | 1.8 | 10 | -8.2 |
| 30 | 5600 | vt0 | 5.3 | 4.1 | 3.4 | 2.6 | 7.8 | 10 | -2.2 |
| 30 | 5705 | vt0 | 3.5 | 2.8 | 2.2 | 1.9 | 6.2 | 10 | -3.8 |
| 40 | 5495 | vf0 | -0.4 | -4.0 | 0.9 | 0.4 | 1.2 | 10 | -8.8 |
| 40 | 5600 | vf0 | 5.5 | 2.5 | 3.5 | 1.8 | 7.3 | 10 | -2.7 |
| 40 | 5700 | vf0 | 5.3 | 6.5 | 3.4 | 4.5 | 9.0 | 10 | -1.0 |



21 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | -0.5 | 0.6 | 0.9 | 1.1 | 3.1 | 9 | -5.9 |
| 10 | 5600 | vt0 | 1.4 | 1.5 | 1.4 | 1.4 | 4.5 | 9 | -4.5 |
| 10 | 5715 | vt0 | 0.1 | -2.1 | 1.0 | 0.6 | 2.1 | 9 | -6.9 |
| 20 | 5485 | vt0 | 1.8 | -1.3 | 1.5 | 0.7 | 3.5 | 9 | -5.5 |
| 20 | 5600 | vt0 | 3.0 | 2.6 | 2.0 | 1.8 | 5.8 | 9 | -3.2 |
| 20 | 5710 | vt0 | 0.9 | -1.5 | 1.2 | 0.7 | 2.9 | 9 | -6.1 |
| 30 | 5490 | vt0 | -1.1 | -3.6 | 0.8 | 0.4 | 0.8 | 9 | -8.2 |
| 30 | 5600 | vt0 | 4.3 | 3.1 | 2.7 | 2.0 | 6.8 | 9 | -2.2 |
| 30 | 5705 | vt0 | 2.5 | 1.8 | 1.8 | 1.5 | 5.2 | 9 | -3.8 |
| 40 | 5495 | vf0 | -1.4 | -5.0 | 0.7 | 0.3 | 0.2 | 9 | -8.8 |
| 40 | 5600 | vf0 | 4.5 | 1.5 | 2.8 | 1.4 | 6.3 | 9 | -2.7 |
| 40 | 5700 | vf0 | 4.3 | 5.5 | 2.7 | 3.5 | 8.0 | 9 | -1.0 |

22 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | -1.5 | -0.4 | 0.7 | 0.9 | 2.1 | 8 | -5.9 |
| 10 | 5600 | vt0 | 0.4 | 0.5 | 1.1 | 1.1 | 3.5 | 8 | -4.5 |
| 10 | 5715 | vt0 | -0.9 | -3.1 | 0.8 | 0.5 | 1.1 | 8 | -6.9 |
| 20 | 5485 | vt0 | 0.8 | -2.3 | 1.2 | 0.6 | 2.5 | 8 | -5.5 |
| 20 | 5600 | vt0 | 2.0 | 1.6 | 1.6 | 1.4 | 4.8 | 8 | -3.2 |
| 20 | 5710 | vt0 | -0.1 | -2.5 | 1.0 | 0.6 | 1.9 | 8 | -6.1 |
| 30 | 5490 | vt0 | -2.1 | -4.6 | 0.6 | 0.3 | -0.2 | 8 | -8.2 |
| 30 | 5600 | vt0 | 3.3 | 2.1 | 2.1 | 1.6 | 5.8 | 8 | -2.2 |
| 30 | 5705 | vt0 | 1.5 | 0.8 | 1.4 | 1.2 | 4.2 | 8 | -3.8 |
| 40 | 5495 | vf0 | -2.4 | -6.0 | 0.6 | 0.3 | -0.8 | 8 | -8.8 |
| 40 | 5600 | vf0 | 3.5 | 0.5 | 2.2 | 1.1 | 5.3 | 8 | -2.7 |
| 40 | 5700 | vf0 | 3.3 | 4.5 | 2.1 | 2.8 | 7.0 | 8 | -1.0 |



30 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | -9.5 | -8.4 | 0.1 | 0.1 | -5.9 | 0 | -5.9 |
| 10 | 5600 | vt0 | -7.6 | -7.5 | 0.2 | 0.2 | -4.5 | 0 | -4.5 |
| 10 | 5715 | vt0 | -8.9 | -11.1 | 0.1 | 0.1 | -6.9 | 0 | -6.9 |
| 20 | 5485 | vt0 | -7.2 | -10.3 | 0.2 | 0.1 | -5.5 | 0 | -5.5 |
| 20 | 5600 | vt0 | -6.0 | -6.4 | 0.3 | 0.2 | -3.2 | 0 | -3.2 |
| 20 | 5710 | vt0 | -8.1 | -10.5 | 0.2 | 0.1 | -6.1 | 0 | -6.1 |
| 30 | 5490 | vt0 | -10.1 | -12.6 | 0.1 | 0.1 | -8.2 | 0 | -8.2 |
| 30 | 5600 | vt0 | -4.7 | -5.9 | 0.3 | 0.3 | -2.2 | 0 | -2.2 |
| 30 | 5705 | vt0 | -6.5 | -7.2 | 0.2 | 0.2 | -3.8 | 0 | -3.8 |
| 40 | 5495 | vf0 | -10.4 | -14.0 | 0.1 | 0.0 | -8.8 | 0 | -8.8 |
| 40 | 5600 | vf0 | -4.5 | -7.5 | 0.4 | 0.2 | -2.7 | 0 | -2.7 |
| 40 | 5700 | vf0 | -4.7 | -3.5 | 0.3 | 0.4 | -1.0 | 0 | -1.0 |

31 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|------------|-----------|-----------|----------|----------|----------|----------|-----------------------|-------|--------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | -10.5 | -9.4 | 0.1 | 0.1 | -6.9 | -1 | -5.9 |
| 10 | 5600 | vt0 | -8.6 | -8.5 | 0.1 | 0.1 | -5.5 | -1 | -4.5 |
| 10 | 5715 | vt0 | -9.9 | -12.1 | 0.1 | 0.1 | -7.9 | -1 | -6.9 |
| 20 | 5485 | vt0 | -8.2 | -11.3 | 0.2 | 0.1 | -6.5 | -1 | -5.5 |
| 20 | 5600 | vt0 | -7.0 | -7.4 | 0.2 | 0.2 | -4.2 | -1 | -3.2 |
| 20 | 5710 | vt0 | -9.1 | -11.5 | 0.1 | 0.1 | -7.1 | -1 | -6.1 |
| 30 | 5490 | vt0 | -11.1 | -13.6 | 0.1 | 0.0 | -9.2 | -1 | -8.2 |
| 30 | 5600 | vt0 | -5.7 | -6.9 | 0.3 | 0.2 | -3.2 | -1 | -2.2 |
| 30 | 5705 | vt0 | -7.5 | -8.2 | 0.2 | 0.2 | -4.8 | -1 | -3.8 |
| 40 | 5495 | vf0 | -11.4 | -15.0 | 0.1 | 0.0 | -9.8 | -1 | -8.8 |
| 40 | 5600 | vf0 | -5.5 | -8.5 | 0.3 | 0.1 | -3.7 | -1 | -2.7 |
| 40 | 5700 | vf0 | -5.7 | -4.5 | 0.3 | 0.4 | -2.0 | -1 | -1.0 |



34 dBi PtoP

| Band Width | Frequency | Data Rate | J3 Level | J4 Level | J3 Level | J4 Level | Combined Output Power | Limit | Margin |
|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------------------|--------------|---------------|
| MHz | MHz | | dBm | dBm | mW | mW | dBm | dBm | dB |
| 10 | 5480 | vt0 | -13.5 | -12.4 | 0.0 | 0.1 | -9.9 | -4 | -5.9 |
| 10 | 5600 | vt0 | -11.6 | -11.5 | 0.1 | 0.1 | -8.5 | -4 | -4.5 |
| 10 | 5715 | vt0 | -12.9 | -15.1 | 0.1 | 0.0 | -10.9 | -4 | -6.9 |
| 20 | 5485 | vt0 | -11.2 | -14.3 | 0.1 | 0.0 | -9.5 | -4 | -5.5 |
| 20 | 5600 | vt0 | -10.0 | -10.4 | 0.1 | 0.1 | -7.2 | -4 | -3.2 |
| 20 | 5710 | vt0 | -12.1 | -14.5 | 0.1 | 0.0 | -10.1 | -4 | -6.1 |
| 30 | 5490 | vt0 | -14.1 | -16.6 | 0.0 | 0.0 | -12.2 | -4 | -8.2 |
| 30 | 5600 | vt0 | -8.7 | -9.9 | 0.1 | 0.1 | -6.2 | -4 | -2.2 |
| 30 | 5705 | vt0 | -10.5 | -11.2 | 0.1 | 0.1 | -7.8 | -4 | -3.8 |
| 40 | 5495 | vf0 | -14.4 | -18.0 | 0.0 | 0.0 | -12.8 | -4 | -8.8 |
| 40 | 5600 | vf0 | -8.5 | -11.5 | 0.1 | 0.1 | -6.7 | -4 | -2.7 |
| 40 | 5700 | vf0 | -8.7 | -7.5 | 0.1 | 0.2 | -5.0 | -4 | -1.0 |