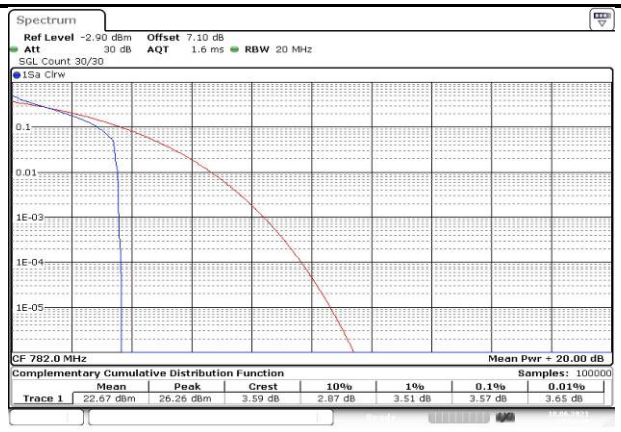


Fig.25

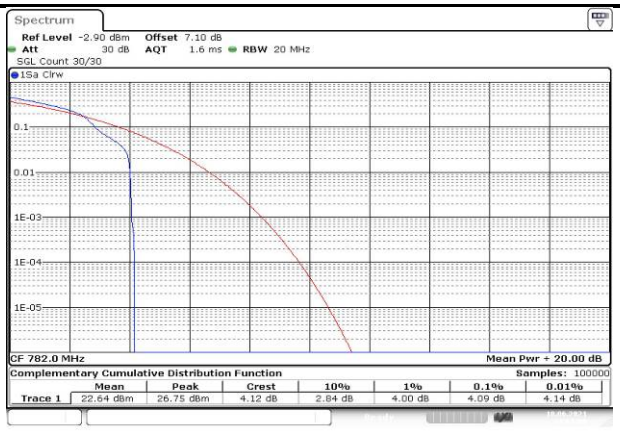


Fig.26

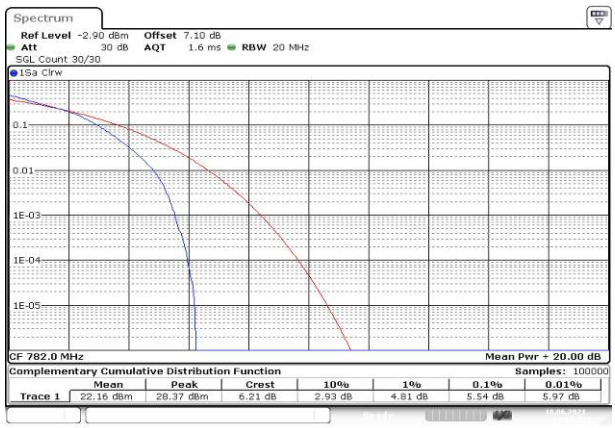


Fig.27

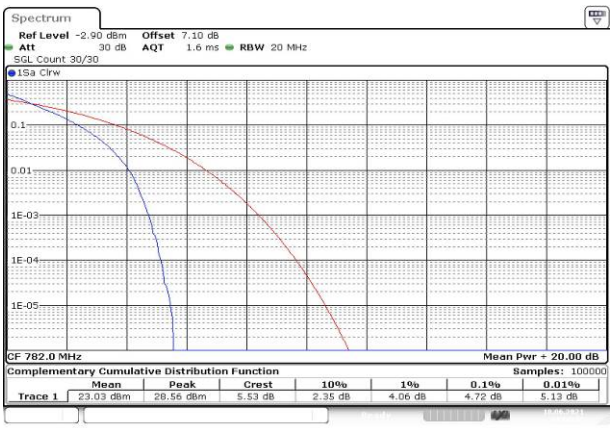


Fig.28

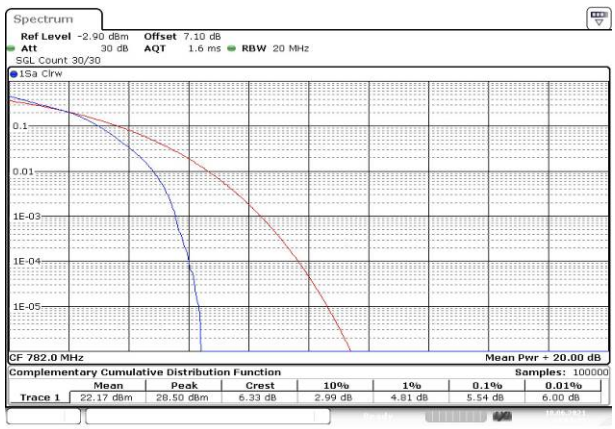


Fig.29

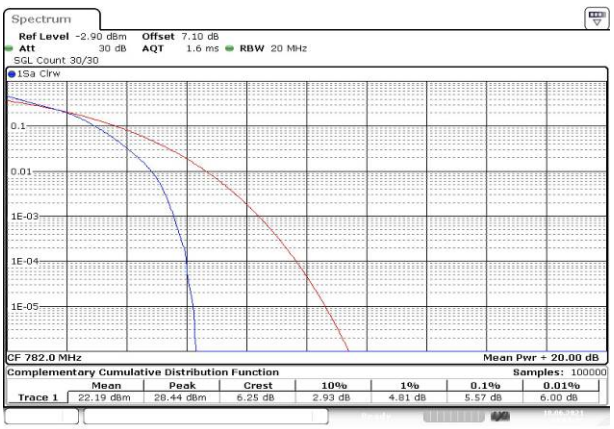


Fig.30

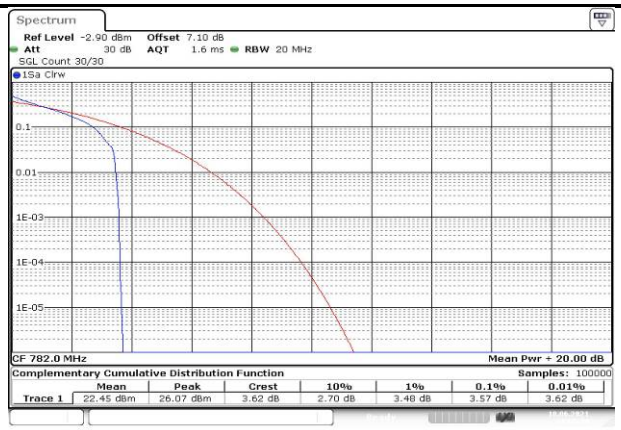


Fig.31

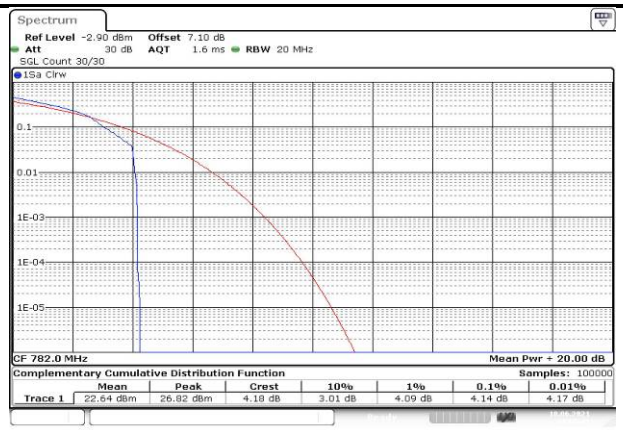


Fig.32

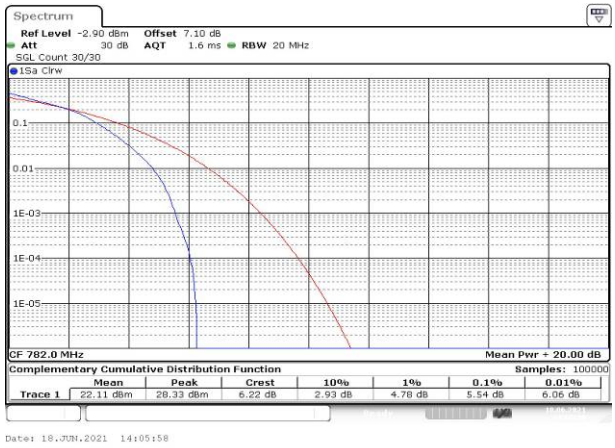


Fig.33

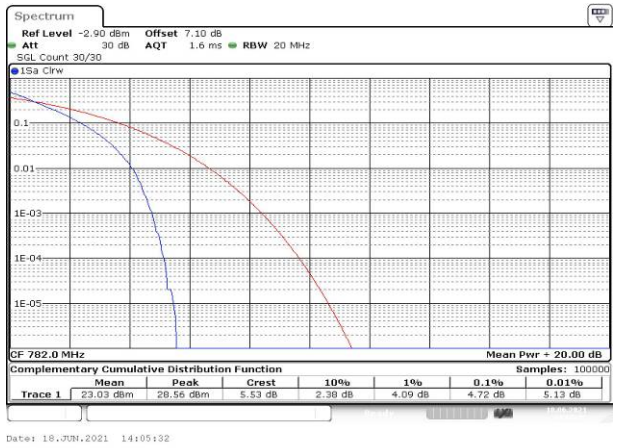


Fig.34

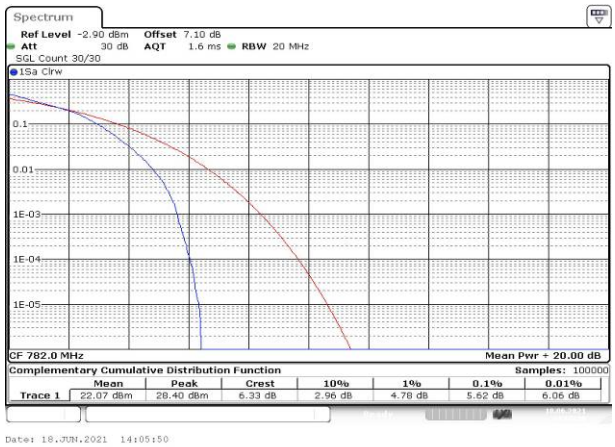


Fig.35

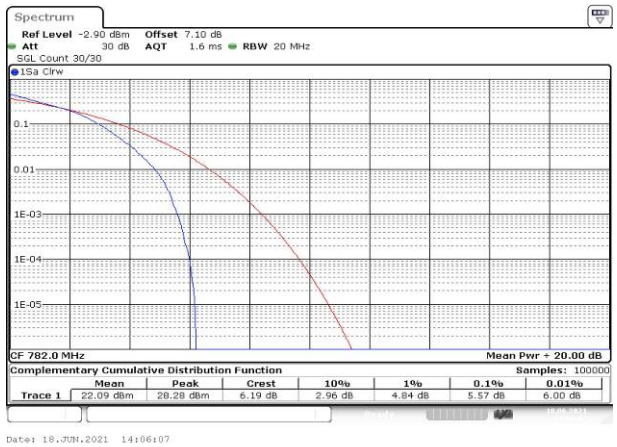


Fig.36

## 5 Spurious Emissions at antenna terminal

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Conducted Spurious Plot |
|---|---|---|---|---|---|---|
| | | | | | | QPSK |
| 13 | 782 | 23230 | 10 | 1 | 0 | Fig.1 |
| | 782 | 23230 | | 1 | 0 | Fig.2 |
| | 782 | 23230 | | 1 | 0 | Fig.3 |

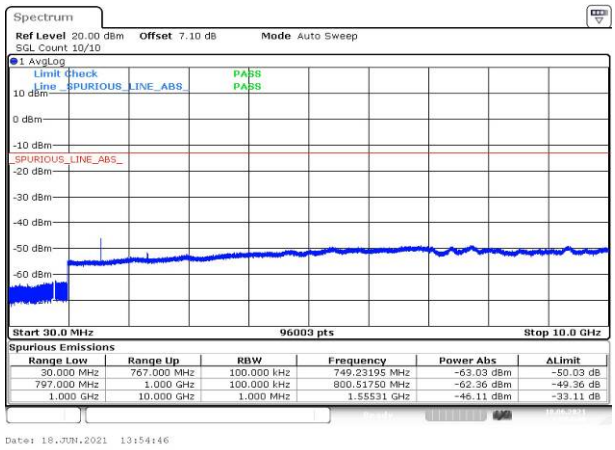


Fig.1

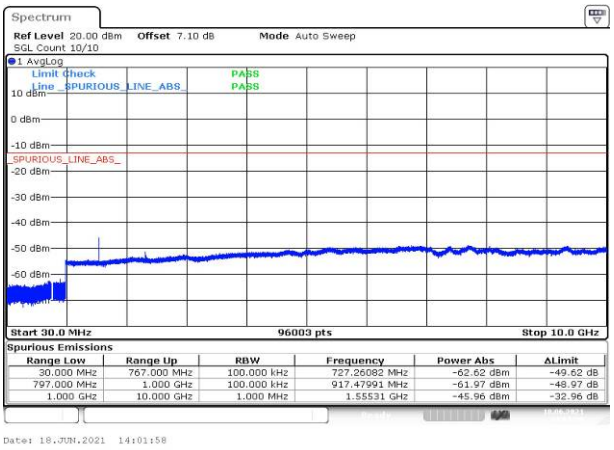


Fig.2

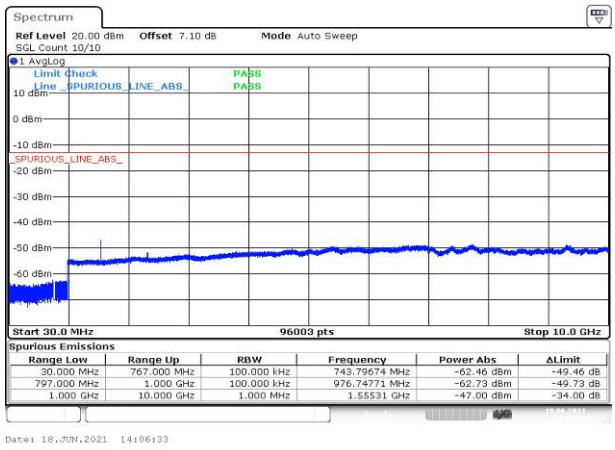


Fig.3

## 6 Band Edges Compliance

| Band | Carrier frequency (MHz) | Channel | BW | RB Size | RB Offset | Band Edges Plot |
|---|---|---|---|---|---|---|
| | | | | | | QPSK |
| 13 | 779.5 | 23205 | 5 | 1 | 0 | Fig.1 |
| | | | | 25 | 0 | Fig.2 |
| | 784.5 | 23255 | | 1 | 24 | Fig.3 |
| | | | | 25 | 0 | Fig.4 |
| | 782 | 23230 | 10 | 1 | 0 | Fig.5 |
| | | | | 50 | 0 | Fig.6 |
| | | | | 1 | 49 | Fig.7 |
| | | | | 50 | 0 | Fig.8 |

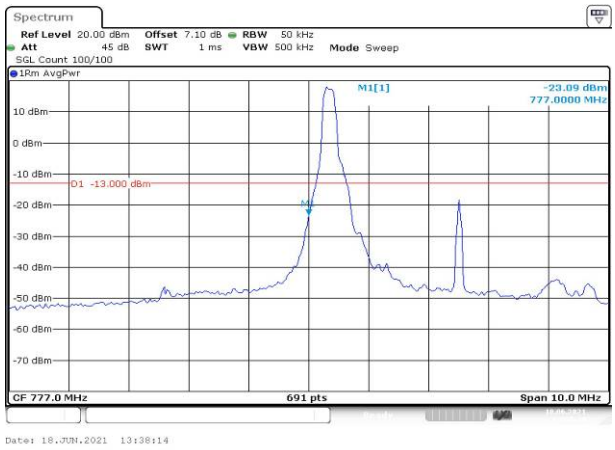


Fig.1

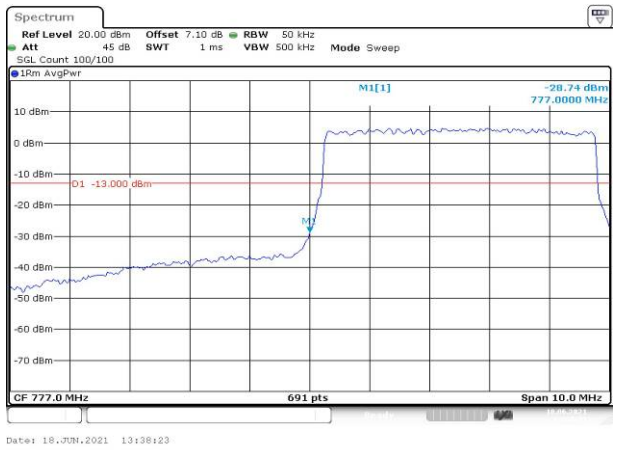


Fig.2

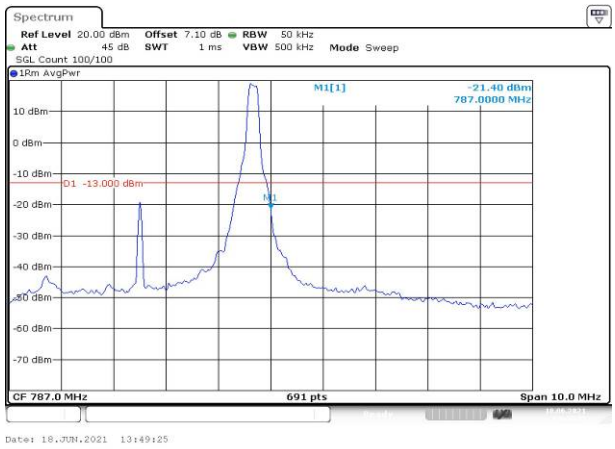


Fig.3

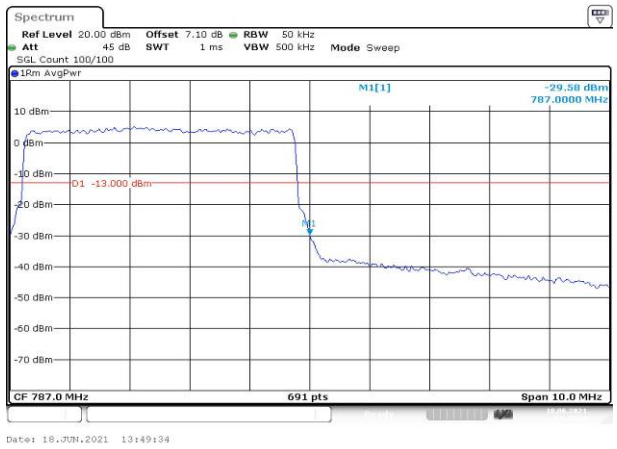


Fig.4

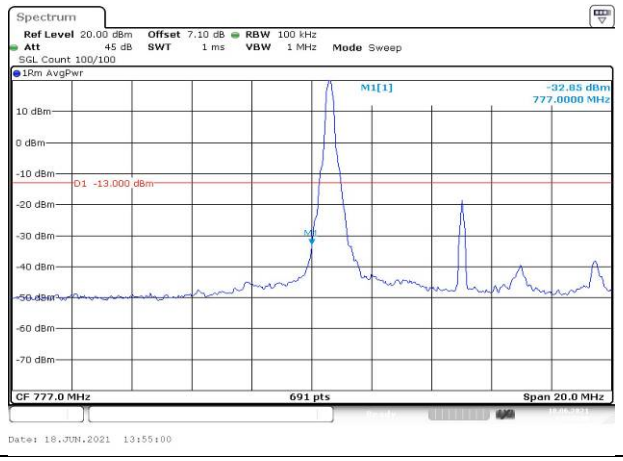


Fig.5

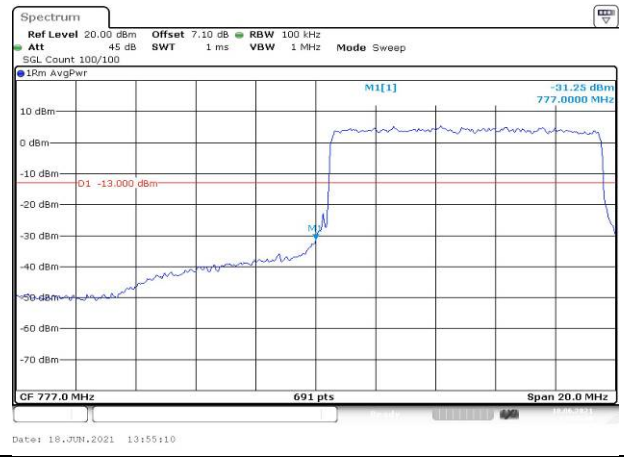


Fig.6

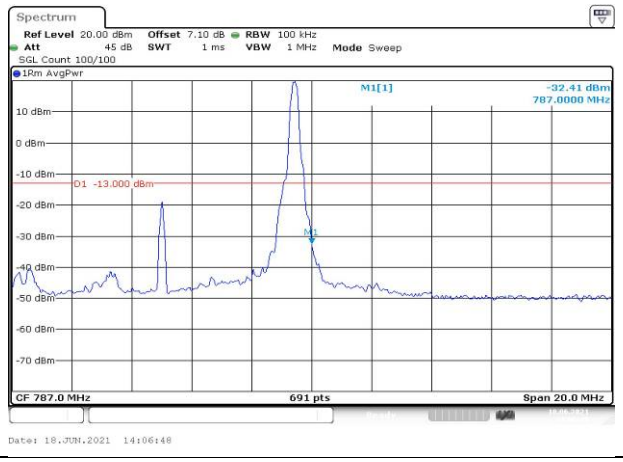


Fig.7

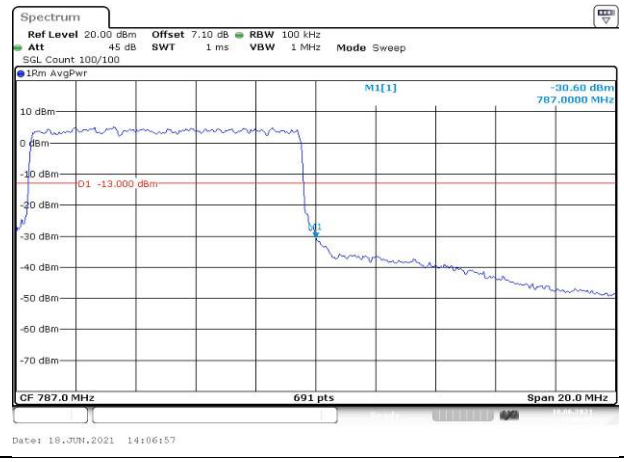


Fig.8

## 7 Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band13 Low Channel QPSK | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1.4M | 3M | 5M | 10M | 15M | 20M |
| -10 | NV | --- | --- | -0.002 | -0.001 | --- | --- |
| 0 | NV | --- | --- | 0.001 | -0.002 | --- | --- |
| +10 | NV | --- | --- | 0.003 | 0.002 | --- | --- |
| +20 | NV | --- | --- | 0.000 | 0.000 | --- | --- |
| +30 | NV | --- | --- | 0.001 | 0.001 | --- | --- |
| +40 | NV | --- | --- | 0.002 | 0.001 | --- | --- |
| +50 | NV | --- | --- | 0.004 | -0.001 | --- | --- |
| +55 | NV | --- | --- | -0.001 | 0.002 | --- | --- |
| +20 | LV | --- | --- | 0.002 | 0.003 | --- | --- |
| +20 | HV | --- | --- | 0.001 | 0.003 | --- | --- |

| Temperature(°C) | Voltage | Test Result (ppm) Band13 High Channel QPSK | | | | | |
|---|---|---|---|---|---|---|---|
| | | 1.4M | 3M | 5M | 10M | 15M | 20M |
| -10 | NV | --- | --- | 0.001 | 0.001 | --- | --- |
| 0 | NV | --- | --- | 0.004 | -0.001 | --- | --- |
| +10 | NV | --- | --- | 0.005 | 0.002 | --- | --- |
| +20 | NV | --- | --- | 0.003 | 0.000 | --- | --- |
| +30 | NV | --- | --- | 0.003 | 0.000 | --- | --- |
| +40 | NV | --- | --- | 0.006 | 0.001 | --- | --- |
| +50 | NV | --- | --- | 0.002 | 0.000 | --- | --- |
| +20 | LV | --- | --- | 0.001 | -0.002 | --- | --- |
| +20 | HV | --- | --- | 0.007 | 0.002 | --- | --- |

## 8 Effective Radiated Power and Effective Isotropic Radiated Power

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|---|---|---|---|---|---|---|---|---|
| QPSK | 779.5 | 23205 | 5 | 1 | 0 | 23.90 | 18.55 | 0.072 |
| | | | | 1 | 12 | 23.83 | 18.48 | 0.070 |
| | | | | 1 | 24 | 23.86 | 18.51 | 0.071 |
| | | | | 12 | 0 | 24.04 | 18.69 | 0.074 |
| | | | | 12 | 7 | 24.04 | 18.69 | 0.074 |
| | | | | 12 | 13 | 23.93 | 18.58 | 0.072 |
| | | | | 25 | 0 | 23.96 | 18.61 | 0.073 |
| | 782 | 23230 | | 1 | 0 | 24.69 | 19.34 | 0.086 |
| | | | | 1 | 12 | 24.77 | 19.42 | 0.087 |
| | | | | 1 | 24 | 24.77 | 19.42 | 0.087 |
| | | | | 12 | 0 | 23.92 | 18.57 | 0.072 |
| | | | | 12 | 7 | 23.93 | 18.58 | 0.072 |
| | | | | 12 | 13 | 23.93 | 18.58 | 0.072 |
| | | | | 25 | 0 | 23.93 | 18.58 | 0.072 |
| | 784.5 | 23255 | | 1 | 0 | 24.76 | 19.41 | 0.087 |
| | | | | 1 | 12 | 24.71 | 19.36 | 0.086 |
| | | | | 1 | 24 | 24.71 | 19.36 | 0.086 |
| | | | | 12 | 0 | 23.82 | 18.47 | 0.070 |
| | | | | 12 | 7 | 23.83 | 18.48 | 0.070 |
| | | | | 12 | 13 | 23.83 | 18.48 | 0.070 |
| | | | | 25 | 0 | 23.95 | 18.60 | 0.072 |
| 16QAM | 779.5 | 23205 | | 1 | 0 | 23.88 | 18.53 | 0.071 |
| | | | | 1 | 12 | 23.41 | 18.06 | 0.064 |
| | | | | 1 | 24 | 23.40 | 18.05 | 0.064 |
| | | | | 12 | 0 | 22.89 | 17.54 | 0.057 |
| | | | | 12 | 7 | 23.05 | 17.70 | 0.059 |
| | | | | 12 | 13 | 22.97 | 17.62 | 0.058 |
| | | | | 25 | 0 | 23.17 | 17.82 | 0.061 |
| | 782 | 23230 | | 1 | 0 | 24.14 | 18.79 | 0.076 |
| | | | | 1 | 12 | 24.22 | 18.87 | 0.077 |
| | | | | 1 | 24 | 24.22 | 18.87 | 0.077 |
| | | | | 12 | 0 | 22.95 | 17.60 | 0.058 |
| | | | | 12 | 7 | 22.86 | 17.51 | 0.056 |
| | | | | 12 | 13 | 22.85 | 17.50 | 0.056 |
| | | | | 25 | 0 | 23.01 | 17.66 | 0.058 |
| | 784.5 | 23255 | | 1 | 0 | 23.71 | 18.36 | 0.069 |
| | | | | 1 | 12 | 23.71 | 18.36 | 0.069 |
| | | | | 1 | 24 | 23.70 | 18.35 | 0.068 |
| | | | | 12 | 0 | 23.04 | 17.69 | 0.059 |
| | | | | 12 | 7 | 22.97 | 17.62 | 0.058 |
| | | | | 12 | 13 | 22.97 | 17.62 | 0.058 |
| | | | | 25 | 0 | 22.89 | 17.54 | 0.057 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|---|---|---|---|---|---|---|---|---|
| 64QAM | 779.5 | 23205 | 5 | 1 | 0 | 23.17 | 17.82 | 0.061 |
| | | | | 1 | 12 | 23.17 | 17.82 | 0.061 |
| | | | | 1 | 24 | 23.16 | 17.81 | 0.060 |
| | | | | 12 | 0 | 23.17 | 17.82 | 0.061 |
| | | | | 12 | 7 | 23.05 | 17.70 | 0.059 |
| | | | | 12 | 13 | 23.05 | 17.70 | 0.059 |
| | | | | 25 | 0 | 23.05 | 17.70 | 0.059 |
| | 782 | 23230 | | 1 | 0 | 22.91 | 17.56 | 0.057 |
| | | | | 1 | 12 | 23.09 | 17.74 | 0.059 |
| | | | | 1 | 24 | 23.09 | 17.74 | 0.059 |
| | | | | 12 | 0 | 23.09 | 17.74 | 0.059 |
| | | | | 12 | 7 | 23.09 | 17.74 | 0.059 |
| | | | | 12 | 13 | 23.09 | 17.74 | 0.059 |
| | | | | 25 | 0 | 23.09 | 17.74 | 0.059 |
| | 784.5 | 23255 | | 1 | 0 | 22.89 | 17.54 | 0.057 |
| | | | | 1 | 12 | 23.08 | 17.73 | 0.059 |
| | | | | 1 | 24 | 23.07 | 17.72 | 0.059 |
| | | | | 12 | 0 | 23.07 | 17.72 | 0.059 |
| | | | | 12 | 7 | 23.07 | 17.72 | 0.059 |
| | | | | 12 | 13 | 23.07 | 17.72 | 0.059 |
| | | | | 25 | 0 | 23.07 | 17.72 | 0.059 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|---|---|---|---|---|---|---|---|---|
| QPSK | 782 | 23230 | 10 | 1 | 0 | 23.78 | 18.43 | 0.070 |
| | | | | 1 | 25 | 23.71 | 18.36 | 0.069 |
| | | | | 1 | 49 | 23.71 | 18.36 | 0.069 |
| | | | | 25 | 0 | 23.93 | 18.58 | 0.072 |
| | | | | 25 | 12 | 23.92 | 18.57 | 0.072 |
| | | | | 25 | 25 | 23.92 | 18.57 | 0.072 |
| | | | | 50 | 0 | 23.97 | 18.62 | 0.073 |
| | | | | 1 | 0 | 24.00 | 18.65 | 0.073 |
| | | | | 1 | 25 | 23.80 | 18.45 | 0.070 |
| | | | | 1 | 49 | 23.82 | 18.47 | 0.070 |
| | | | | 25 | 0 | 23.98 | 18.63 | 0.073 |
| | | | | 25 | 12 | 23.90 | 18.55 | 0.072 |
| | | | | 25 | 25 | 23.90 | 18.55 | 0.072 |
| | | | | 50 | 0 | 23.95 | 18.60 | 0.072 |
| | | | | 1 | 0 | 23.91 | 18.56 | 0.072 |
| | | | | 1 | 25 | 23.69 | 18.34 | 0.068 |
| | | | | 1 | 49 | 23.78 | 18.43 | 0.070 |
| | | | | 25 | 0 | 23.98 | 18.63 | 0.073 |
| | | | | 25 | 12 | 23.89 | 18.54 | 0.071 |
| | | | | 25 | 25 | 23.89 | 18.54 | 0.071 |
| | | | | 50 | 0 | 23.95 | 18.60 | 0.072 |
| 16QAM | | | | 1 | 0 | 24.37 | 19.02 | 0.080 |
| | | | | 1 | 25 | 24.34 | 18.99 | 0.079 |
| | | | | 1 | 49 | 24.34 | 18.99 | 0.079 |
| | | | | 25 | 0 | 23.14 | 17.79 | 0.060 |
| | | | | 25 | 12 | 22.97 | 17.62 | 0.058 |
| | | | | 25 | 25 | 22.97 | 17.62 | 0.058 |
| | | | | 50 | 0 | 22.87 | 17.52 | 0.056 |
| | | | | 1 | 0 | 24.36 | 19.01 | 0.080 |
| | | | | 1 | 25 | 24.32 | 18.97 | 0.079 |
| | | | | 1 | 49 | 24.32 | 18.97 | 0.079 |
| | | | | 25 | 0 | 23.12 | 17.77 | 0.060 |
| | | | | 25 | 12 | 23.03 | 17.68 | 0.059 |
| | | | | 25 | 25 | 23.03 | 17.68 | 0.059 |
| | | | | 50 | 0 | 23.03 | 17.68 | 0.059 |
| | | | | 1 | 0 | 24.36 | 19.01 | 0.080 |
| | | | | 1 | 25 | 24.33 | 18.98 | 0.079 |
| | | | | 1 | 49 | 24.33 | 18.98 | 0.079 |
| | | | | 25 | 0 | 23.14 | 17.79 | 0.060 |
| | | | | 25 | 12 | 23.06 | 17.71 | 0.059 |
| | | | | 25 | 25 | 23.05 | 17.70 | 0.059 |
| | | | | 50 | 0 | 22.95 | 17.60 | 0.058 |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conducted power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|---|---|---|---|---|---|---|---|---|
| 64QAM | 782 | 23230 | 10 | 1 | 0 | 22.87 | 17.52 | 0.056 |
| | | | | 1 | 25 | 22.87 | 17.52 | 0.056 |
| | | | | 1 | 49 | 22.88 | 17.53 | 0.057 |
| | | | | 25 | 0 | 22.87 | 17.52 | 0.056 |
| | | | | 25 | 12 | 22.87 | 17.52 | 0.056 |
| | | | | 25 | 25 | 22.87 | 17.52 | 0.056 |
| | | | | 50 | 0 | 22.87 | 17.52 | 0.056 |
| | | | | 1 | 0 | 23.03 | 17.68 | 0.059 |
| | | | | 1 | 25 | 23.03 | 17.68 | 0.059 |
| | | | | 1 | 49 | 23.03 | 17.68 | 0.059 |
| | | | | 25 | 0 | 23.03 | 17.68 | 0.059 |
| | | | | 25 | 12 | 22.85 | 17.50 | 0.056 |
| | | | | 25 | 25 | 22.85 | 17.50 | 0.056 |
| | | | | 50 | 0 | 23.03 | 17.68 | 0.059 |
| | | | | 1 | 0 | 22.95 | 17.60 | 0.058 |
| | | | | 1 | 25 | 22.85 | 17.50 | 0.056 |
| | | | | 1 | 49 | 23.12 | 17.77 | 0.060 |
| | | | | 25 | 0 | 23.12 | 17.77 | 0.060 |
| | | | | 25 | 12 | 23.13 | 17.78 | 0.060 |
| | | | | 25 | 25 | 23.04 | 17.69 | 0.059 |
| | | | | 50 | 0 | 23.05 | 17.70 | 0.059 |