

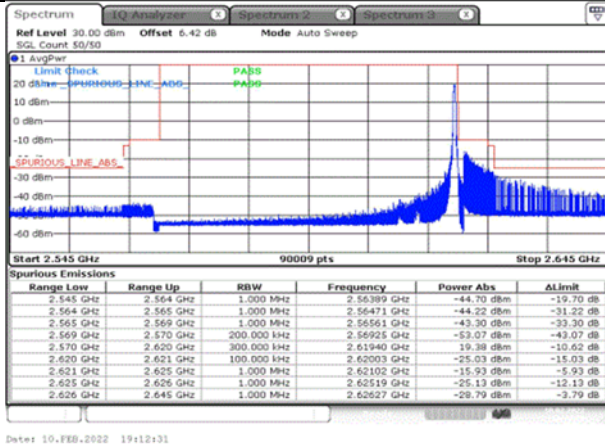


Fig.7

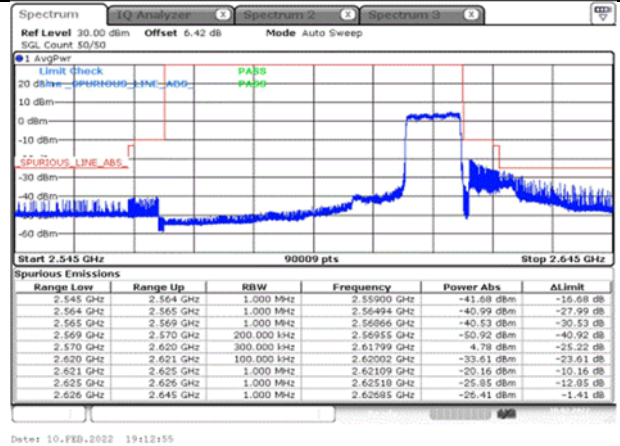


Fig.8

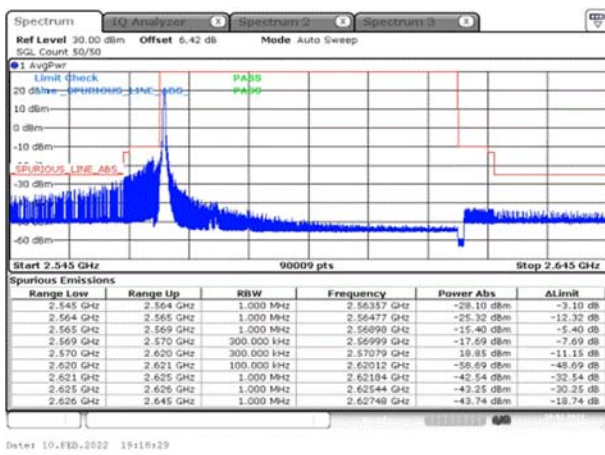


Fig.9

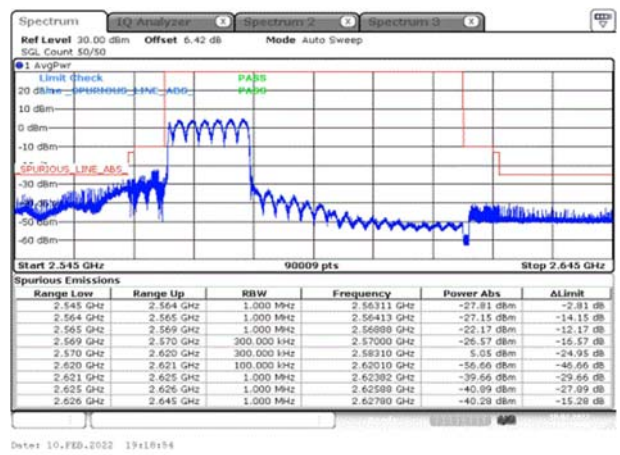


Fig.10

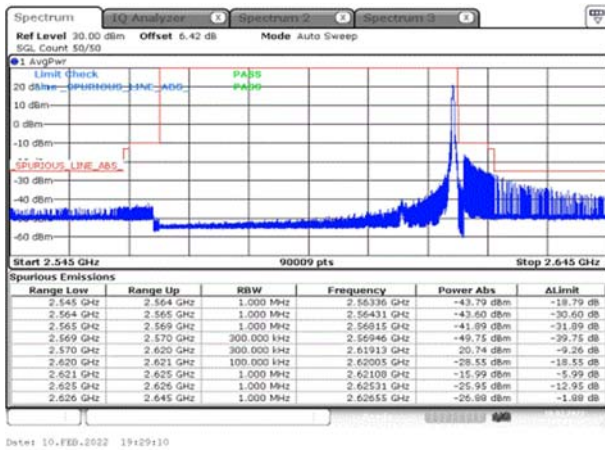


Fig.11

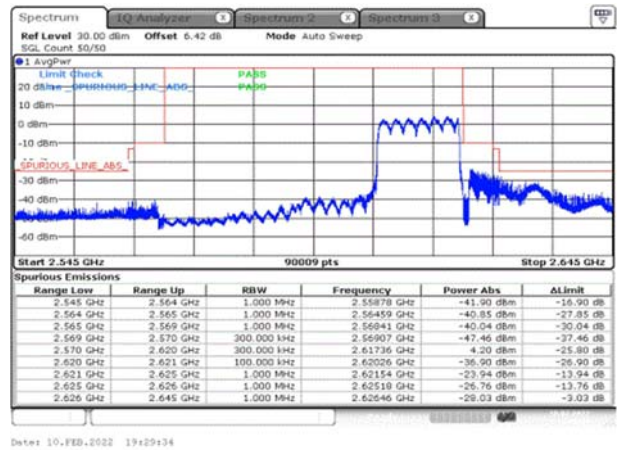


Fig.12

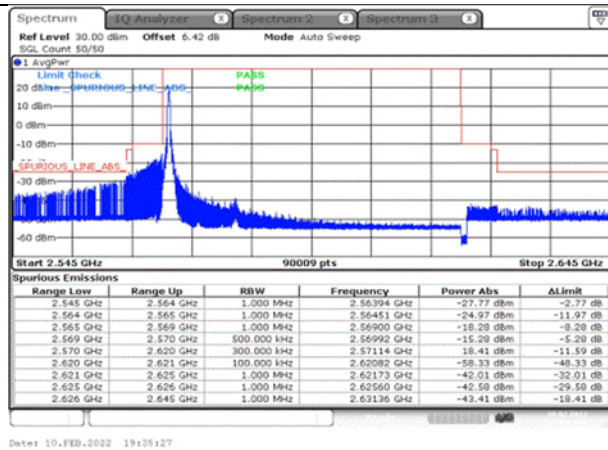


Fig.13

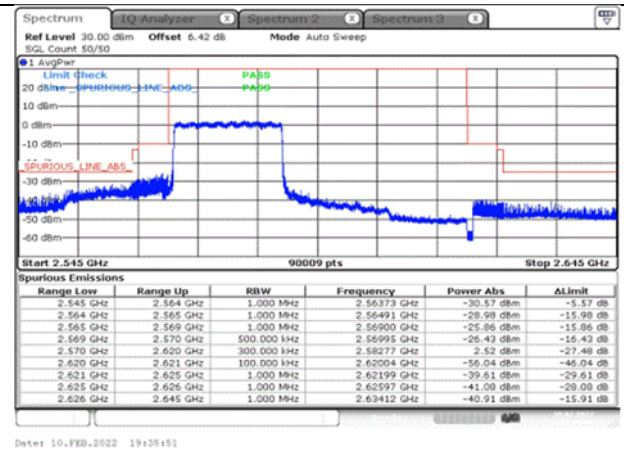


Fig.14

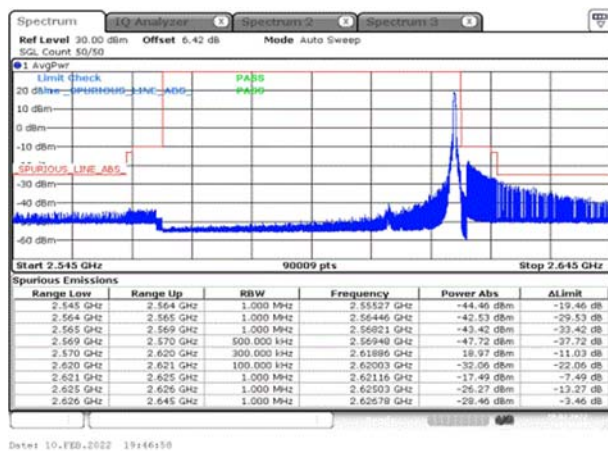


Fig.15

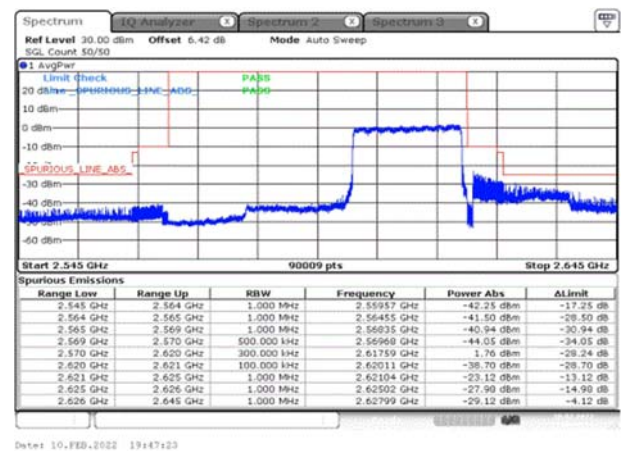


Fig.16

## 7 Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band 38 Low Channel QPSK |       |        |       |
|-----------------|---------|--------------------------------------------|-------|--------|-------|
|                 |         | 5M                                         | 10M   | 15M    | 20M   |
| -10             | NV      | 0.003                                      | 0.001 | 0.002  | 0.002 |
| 0               | NV      | 0.004                                      | 0.001 | 0.003  | 0.003 |
| +10             | NV      | 0.001                                      | 0.001 | 0.001  | 0.002 |
| +30             | NV      | 0.001                                      | 0.001 | 0.003  | 0.003 |
| +40             | NV      | 0.001                                      | 0.001 | 0.002  | 0.003 |
| +50             | NV      | 0.002                                      | 0.002 | 0.003  | 0.002 |
| +20             | LV      | 0.002                                      | 0.002 | -0.002 | 0.002 |
| +20             | HV      | 0.001                                      | 0.001 | 0.001  | 0.001 |

| Temperature(°C) | Voltage | Test Result (ppm) Band 38 High Channel QPSK |        |        |        |
|-----------------|---------|---------------------------------------------|--------|--------|--------|
|                 |         | 5M                                          | 10M    | 15M    | 20M    |
| -10             | NV      | 0.003                                       | 0.003  | -0.002 | -0.002 |
| 0               | NV      | -0.001                                      | 0.002  | 0.002  | 0.002  |
| +10             | NV      | 0.002                                       | -0.002 | 0.002  | 0.001  |
| +30             | NV      | -0.001                                      | 0.002  | 0.001  | 0.000  |
| +40             | NV      | 0.003                                       | 0.003  | 0.003  | -0.003 |
| +50             | NV      | 0.002                                       | 0.003  | 0.002  | 0.002  |
| +20             | LV      | 0.002                                       | 0.000  | 0.002  | 0.000  |
| +20             | HV      | 0.002                                       | 0.003  | -0.002 | -0.002 |

## 8 Effective Radiated Power and Effective Isotropic Radiated Power

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| 16QAM      | 2572.5                  | 37775      | 5  | 1       | 0         | 22.87                  | 21.17           | 0.131         |
| 16QAM      | 2572.5                  | 37775      | 5  | 1       | 12        | 22.94                  | 21.24           | 0.133         |
| 16QAM      | 2572.5                  | 37775      | 5  | 1       | 24        | 23.19                  | 21.49           | 0.141         |
| 16QAM      | 2572.5                  | 37775      | 5  | 12      | 0         | 21.50                  | 19.80           | 0.095         |
| 16QAM      | 2572.5                  | 37775      | 5  | 12      | 7         | 21.76                  | 20.06           | 0.101         |
| 16QAM      | 2572.5                  | 37775      | 5  | 12      | 13        | 21.68                  | 19.98           | 0.100         |
| 16QAM      | 2572.5                  | 37775      | 5  | 25      | 0         | 21.66                  | 19.96           | 0.099         |
| 16QAM      | 2595                    | 38000      | 5  | 1       | 0         | 22.86                  | 21.16           | 0.131         |
| 16QAM      | 2595                    | 38000      | 5  | 1       | 12        | 22.65                  | 20.95           | 0.124         |
| 16QAM      | 2595                    | 38000      | 5  | 1       | 24        | 22.58                  | 20.88           | 0.122         |
| 16QAM      | 2595                    | 38000      | 5  | 12      | 0         | 21.70                  | 20.00           | 0.100         |
| 16QAM      | 2595                    | 38000      | 5  | 12      | 7         | 21.42                  | 19.72           | 0.094         |
| 16QAM      | 2595                    | 38000      | 5  | 12      | 13        | 21.34                  | 19.64           | 0.092         |
| 16QAM      | 2595                    | 38000      | 5  | 25      | 0         | 21.28                  | 19.58           | 0.000         |
| 16QAM      | 2617.5                  | 38225      | 5  | 1       | 0         | 22.57                  | 20.87           | 0.122         |
| 16QAM      | 2617.5                  | 38225      | 5  | 1       | 12        | 22.37                  | 20.67           | 0.117         |
| 16QAM      | 2617.5                  | 38225      | 5  | 1       | 24        | 22.90                  | 21.20           | 0.132         |
| 16QAM      | 2617.5                  | 38225      | 5  | 12      | 0         | 21.39                  | 19.69           | 0.093         |
| 16QAM      | 2617.5                  | 38225      | 5  | 12      | 7         | 21.55                  | 19.85           | 0.097         |
| 16QAM      | 2617.5                  | 38225      | 5  | 12      | 13        | 21.54                  | 19.84           | 0.096         |
| 16QAM      | 2617.5                  | 38225      | 5  | 25      | 0         | 21.49                  | 19.79           | 0.095         |
| 64QAM      | 2572.5                  | 37775      | 5  | 1       | 0         | 21.80                  | 20.10           | 0.102         |
| 64QAM      | 2572.5                  | 37775      | 5  | 1       | 12        | 21.93                  | 20.23           | 0.105         |
| 64QAM      | 2572.5                  | 37775      | 5  | 1       | 24        | 22.19                  | 20.49           | 0.112         |
| 64QAM      | 2572.5                  | 37775      | 5  | 12      | 0         | 20.49                  | 18.79           | 0.076         |
| 64QAM      | 2572.5                  | 37775      | 5  | 12      | 7         | 20.67                  | 18.97           | 0.079         |
| 64QAM      | 2572.5                  | 37775      | 5  | 12      | 13        | 20.71                  | 19.01           | 0.080         |
| 64QAM      | 2572.5                  | 37775      | 5  | 25      | 0         | 20.50                  | 18.80           | 0.076         |
| 64QAM      | 2595                    | 38000      | 5  | 1       | 0         | 21.99                  | 20.29           | 0.107         |
| 64QAM      | 2595                    | 38000      | 5  | 1       | 12        | 22.03                  | 20.33           | 0.108         |
| 64QAM      | 2595                    | 38000      | 5  | 1       | 24        | 21.78                  | 20.08           | 0.102         |
| 64QAM      | 2595                    | 38000      | 5  | 12      | 0         | 20.61                  | 18.91           | 0.078         |
| 64QAM      | 2595                    | 38000      | 5  | 12      | 7         | 20.55                  | 18.85           | 0.077         |
| 64QAM      | 2595                    | 38000      | 5  | 12      | 13        | 20.37                  | 18.67           | 0.074         |
| 64QAM      | 2595                    | 38000      | 5  | 25      | 0         | 20.28                  | 18.58           | 0.072         |
| 64QAM      | 2617.5                  | 38225      | 5  | 1       | 0         | 21.52                  | 19.82           | 0.096         |
| 64QAM      | 2617.5                  | 38225      | 5  | 1       | 12        | 21.62                  | 19.92           | 0.098         |
| 64QAM      | 2617.5                  | 38225      | 5  | 1       | 24        | 21.54                  | 19.84           | 0.096         |
| 64QAM      | 2617.5                  | 38225      | 5  | 12      | 0         | 20.36                  | 18.66           | 0.073         |
| 64QAM      | 2617.5                  | 38225      | 5  | 12      | 7         | 20.49                  | 18.79           | 0.076         |
| 64QAM      | 2617.5                  | 38225      | 5  | 12      | 13        | 20.58                  | 18.88           | 0.077         |
| 64QAM      | 2617.5                  | 38225      | 5  | 25      | 0         | 20.49                  | 18.79           | 0.076         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| QPSK       | 2572.5                  | 37775      | 5  | 1       | 0         | 23.31                  | 21.61           | 0.145         |
| QPSK       | 2572.5                  | 37775      | 5  | 1       | 12        | 23.50                  | 21.80           | 0.151         |
| QPSK       | 2572.5                  | 37775      | 5  | 1       | 24        | 23.76                  | 22.06           | 0.161         |
| QPSK       | 2572.5                  | 37775      | 5  | 12      | 0         | 22.46                  | 20.76           | 0.119         |
| QPSK       | 2572.5                  | 37775      | 5  | 12      | 7         | 22.55                  | 20.85           | 0.122         |
| QPSK       | 2572.5                  | 37775      | 5  | 12      | 13        | 22.65                  | 20.95           | 0.124         |
| QPSK       | 2572.5                  | 37775      | 5  | 25      | 0         | 22.49                  | 20.79           | 0.120         |
| QPSK       | 2595                    | 38000      | 5  | 1       | 0         | 23.62                  | 21.92           | 0.156         |
| QPSK       | 2595                    | 38000      | 5  | 1       | 12        | 23.52                  | 21.82           | 0.152         |
| QPSK       | 2595                    | 38000      | 5  | 1       | 24        | 23.15                  | 21.45           | 0.140         |
| QPSK       | 2595                    | 38000      | 5  | 12      | 0         | 22.59                  | 20.89           | 0.123         |
| QPSK       | 2595                    | 38000      | 5  | 12      | 7         | 22.42                  | 20.72           | 0.118         |
| QPSK       | 2595                    | 38000      | 5  | 12      | 13        | 22.32                  | 20.62           | 0.115         |
| QPSK       | 2595                    | 38000      | 5  | 25      | 0         | 22.34                  | 20.64           | 0.116         |
| QPSK       | 2617.5                  | 38225      | 5  | 1       | 0         | 23.21                  | 21.51           | 0.142         |
| QPSK       | 2617.5                  | 38225      | 5  | 1       | 12        | 23.61                  | 21.91           | 0.155         |
| QPSK       | 2617.5                  | 38225      | 5  | 1       | 24        | 23.66                  | 21.96           | 0.157         |
| QPSK       | 2617.5                  | 38225      | 5  | 12      | 0         | 22.36                  | 20.66           | 0.116         |
| QPSK       | 2617.5                  | 38225      | 5  | 12      | 7         | 22.45                  | 20.75           | 0.119         |
| QPSK       | 2617.5                  | 38225      | 5  | 12      | 13        | 22.45                  | 20.75           | 0.119         |
| QPSK       | 2617.5                  | 38225      | 5  | 25      | 0         | 22.46                  | 20.76           | 0.119         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| 16QAM      | 2575                    | 37800      | 10 | 1       | 0         | 22.60                  | 20.90           | 0.123         |
| 16QAM      | 2575                    | 37800      | 10 | 1       | 25        | 23.06                  | 21.36           | 0.137         |
| 16QAM      | 2575                    | 37800      | 10 | 1       | 49        | 23.52                  | 21.82           | 0.152         |
| 16QAM      | 2575                    | 37800      | 10 | 25      | 0         | 21.66                  | 19.96           | 0.099         |
| 16QAM      | 2575                    | 37800      | 10 | 25      | 12        | 21.77                  | 20.07           | 0.102         |
| 16QAM      | 2575                    | 37800      | 10 | 25      | 25        | 21.98                  | 20.28           | 0.107         |
| 16QAM      | 2575                    | 37800      | 10 | 50      | 0         | 21.77                  | 20.07           | 0.102         |
| 16QAM      | 2595                    | 38000      | 10 | 1       | 0         | 23.19                  | 21.49           | 0.141         |
| 16QAM      | 2595                    | 38000      | 10 | 1       | 25        | 22.68                  | 20.98           | 0.125         |
| 16QAM      | 2595                    | 38000      | 10 | 1       | 49        | 22.53                  | 20.83           | 0.121         |
| 16QAM      | 2595                    | 38000      | 10 | 25      | 0         | 21.64                  | 19.94           | 0.099         |
| 16QAM      | 2595                    | 38000      | 10 | 25      | 12        | 21.41                  | 19.71           | 0.094         |
| 16QAM      | 2595                    | 38000      | 10 | 25      | 25        | 21.21                  | 19.51           | 0.089         |
| 16QAM      | 2595                    | 38000      | 10 | 50      | 0         | 21.45                  | 19.75           | 0.094         |
| 16QAM      | 2615                    | 38200      | 10 | 1       | 0         | 22.23                  | 20.53           | 0.113         |
| 16QAM      | 2615                    | 38200      | 10 | 1       | 25        | 22.52                  | 20.82           | 0.121         |
| 16QAM      | 2615                    | 38200      | 10 | 1       | 49        | 22.80                  | 21.10           | 0.129         |
| 16QAM      | 2615                    | 38200      | 10 | 25      | 0         | 21.14                  | 19.44           | 0.088         |
| 16QAM      | 2615                    | 38200      | 10 | 25      | 12        | 21.28                  | 19.58           | 0.091         |
| 16QAM      | 2615                    | 38200      | 10 | 25      | 25        | 21.44                  | 19.74           | 0.094         |
| 16QAM      | 2615                    | 38200      | 10 | 50      | 0         | 21.28                  | 19.58           | 0.091         |
| 64QAM      | 2575                    | 37800      | 10 | 1       | 0         | 22.00                  | 20.30           | 0.107         |
| 64QAM      | 2575                    | 37800      | 10 | 1       | 25        | 22.13                  | 20.43           | 0.110         |
| 64QAM      | 2575                    | 37800      | 10 | 1       | 49        | 22.59                  | 20.89           | 0.123         |
| 64QAM      | 2575                    | 37800      | 10 | 25      | 0         | 20.55                  | 18.85           | 0.077         |
| 64QAM      | 2575                    | 37800      | 10 | 25      | 12        | 20.79                  | 19.09           | 0.081         |
| 64QAM      | 2575                    | 37800      | 10 | 25      | 25        | 20.88                  | 19.18           | 0.083         |
| 64QAM      | 2575                    | 37800      | 10 | 50      | 0         | 20.83                  | 19.13           | 0.082         |
| 64QAM      | 2595                    | 38000      | 10 | 1       | 0         | 22.05                  | 20.35           | 0.108         |
| 64QAM      | 2595                    | 38000      | 10 | 1       | 25        | 21.31                  | 19.61           | 0.091         |
| 64QAM      | 2595                    | 38000      | 10 | 1       | 49        | 21.36                  | 19.66           | 0.092         |
| 64QAM      | 2595                    | 38000      | 10 | 25      | 0         | 20.64                  | 18.94           | 0.078         |
| 64QAM      | 2595                    | 38000      | 10 | 25      | 12        | 20.43                  | 18.73           | 0.075         |
| 64QAM      | 2595                    | 38000      | 10 | 25      | 25        | 20.25                  | 18.55           | 0.072         |
| 64QAM      | 2595                    | 38000      | 10 | 50      | 0         | 20.43                  | 18.73           | 0.075         |
| 64QAM      | 2615                    | 38200      | 10 | 1       | 0         | 20.80                  | 19.10           | 0.081         |
| 64QAM      | 2615                    | 38200      | 10 | 1       | 25        | 20.98                  | 19.28           | 0.085         |
| 64QAM      | 2615                    | 38200      | 10 | 1       | 49        | 21.41                  | 19.71           | 0.094         |
| 64QAM      | 2615                    | 38200      | 10 | 25      | 0         | 20.16                  | 18.46           | 0.070         |
| 64QAM      | 2615                    | 38200      | 10 | 25      | 12        | 20.26                  | 18.56           | 0.072         |
| 64QAM      | 2615                    | 38200      | 10 | 25      | 25        | 20.35                  | 18.65           | 0.073         |
| 64QAM      | 2615                    | 38200      | 10 | 50      | 0         | 20.26                  | 18.56           | 0.072         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| QPSK       | 2575                    | 37800      | 10 | 1       | 0         | 23.33                  | 21.63           | 0.146         |
| QPSK       | 2575                    | 37800      | 10 | 1       | 25        | 23.58                  | 21.88           | 0.154         |
| QPSK       | 2575                    | 37800      | 10 | 1       | 49        | 23.97                  | 22.27           | 0.169         |
| QPSK       | 2575                    | 37800      | 10 | 25      | 0         | 22.56                  | 20.86           | 0.122         |
| QPSK       | 2575                    | 37800      | 10 | 25      | 12        | 22.76                  | 21.06           | 0.128         |
| QPSK       | 2575                    | 37800      | 10 | 25      | 25        | 22.84                  | 21.14           | 0.130         |
| QPSK       | 2575                    | 37800      | 10 | 50      | 0         | 22.72                  | 21.02           | 0.126         |
| QPSK       | 2595                    | 38000      | 10 | 1       | 0         | 23.68                  | 21.98           | 0.158         |
| QPSK       | 2595                    | 38000      | 10 | 1       | 25        | 23.37                  | 21.67           | 0.147         |
| QPSK       | 2595                    | 38000      | 10 | 1       | 49        | 23.02                  | 21.32           | 0.136         |
| QPSK       | 2595                    | 38000      | 10 | 25      | 0         | 22.61                  | 20.91           | 0.123         |
| QPSK       | 2595                    | 38000      | 10 | 25      | 12        | 22.49                  | 20.79           | 0.120         |
| QPSK       | 2595                    | 38000      | 10 | 25      | 25        | 22.26                  | 20.56           | 0.114         |
| QPSK       | 2595                    | 38000      | 10 | 50      | 0         | 22.45                  | 20.75           | 0.119         |
| QPSK       | 2615                    | 38200      | 10 | 1       | 0         | 23.04                  | 21.34           | 0.136         |
| QPSK       | 2615                    | 38200      | 10 | 1       | 25        | 23.31                  | 21.61           | 0.145         |
| QPSK       | 2615                    | 38200      | 10 | 1       | 49        | 23.53                  | 21.83           | 0.152         |
| QPSK       | 2615                    | 38200      | 10 | 25      | 0         | 22.20                  | 20.50           | 0.112         |
| QPSK       | 2615                    | 38200      | 10 | 25      | 12        | 22.33                  | 20.63           | 0.116         |
| QPSK       | 2615                    | 38200      | 10 | 25      | 25        | 22.46                  | 20.76           | 0.119         |
| QPSK       | 2615                    | 38200      | 10 | 50      | 0         | 22.29                  | 20.59           | 0.115         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| 16QAM      | 2577.5                  | 37825      | 15 | 1       | 0         | 22.44                  | 20.74           | 0.119         |
| 16QAM      | 2577.5                  | 37825      | 15 | 1       | 37        | 22.88                  | 21.18           | 0.131         |
| 16QAM      | 2577.5                  | 37825      | 15 | 1       | 74        | 23.11                  | 21.41           | 0.138         |
| 16QAM      | 2577.5                  | 37825      | 15 | 36      | 0         | 21.50                  | 19.80           | 0.000         |
| 16QAM      | 2577.5                  | 37825      | 15 | 36      | 29        | 21.90                  | 20.20           | 0.105         |
| 16QAM      | 2577.5                  | 37825      | 15 | 36      | 30        | 21.87                  | 20.17           | 0.104         |
| 16QAM      | 2577.5                  | 37825      | 15 | 75      | 0         | 21.71                  | 20.01           | 0.100         |
| 16QAM      | 2595                    | 38000      | 15 | 1       | 0         | 23.01                  | 21.31           | 0.135         |
| 16QAM      | 2595                    | 38000      | 15 | 1       | 37        | 22.55                  | 20.85           | 0.122         |
| 16QAM      | 2595                    | 38000      | 15 | 1       | 74        | 22.15                  | 20.45           | 0.111         |
| 16QAM      | 2595                    | 38000      | 15 | 36      | 0         | 21.64                  | 19.94           | 0.099         |
| 16QAM      | 2595                    | 38000      | 15 | 36      | 29        | 21.21                  | 19.51           | 0.089         |
| 16QAM      | 2595                    | 38000      | 15 | 36      | 30        | 21.19                  | 19.49           | 0.089         |
| 16QAM      | 2595                    | 38000      | 15 | 75      | 0         | 21.32                  | 19.62           | 0.092         |
| 16QAM      | 2612.5                  | 38175      | 15 | 1       | 0         | 22.01                  | 20.31           | 0.107         |
| 16QAM      | 2612.5                  | 38175      | 15 | 1       | 37        | 22.13                  | 20.43           | 0.110         |
| 16QAM      | 2612.5                  | 38175      | 15 | 1       | 74        | 22.52                  | 20.82           | 0.121         |
| 16QAM      | 2612.5                  | 38175      | 15 | 36      | 0         | 20.92                  | 19.22           | 0.084         |
| 16QAM      | 2612.5                  | 38175      | 15 | 36      | 29        | 21.02                  | 19.32           | 0.086         |
| 16QAM      | 2612.5                  | 38175      | 15 | 36      | 30        | 21.12                  | 19.42           | 0.087         |
| 16QAM      | 2612.5                  | 38175      | 15 | 75      | 0         | 21.07                  | 19.37           | 0.086         |
| 64QAM      | 2577.5                  | 37825      | 15 | 1       | 0         | 21.69                  | 19.99           | 0.100         |
| 64QAM      | 2577.5                  | 37825      | 15 | 1       | 37        | 22.17                  | 20.47           | 0.111         |
| 64QAM      | 2577.5                  | 37825      | 15 | 1       | 74        | 22.43                  | 20.73           | 0.118         |
| 64QAM      | 2577.5                  | 37825      | 15 | 36      | 0         | 20.48                  | 18.78           | 0.076         |
| 64QAM      | 2577.5                  | 37825      | 15 | 36      | 29        | 20.86                  | 19.16           | 0.082         |
| 64QAM      | 2577.5                  | 37825      | 15 | 36      | 30        | 20.92                  | 19.22           | 0.084         |
| 64QAM      | 2577.5                  | 37825      | 15 | 75      | 0         | 20.78                  | 19.08           | 0.081         |
| 64QAM      | 2595                    | 38000      | 15 | 1       | 0         | 21.77                  | 20.07           | 0.102         |
| 64QAM      | 2595                    | 38000      | 15 | 1       | 37        | 21.23                  | 19.53           | 0.090         |
| 64QAM      | 2595                    | 38000      | 15 | 1       | 74        | 20.80                  | 19.10           | 0.081         |
| 64QAM      | 2595                    | 38000      | 15 | 36      | 0         | 20.70                  | 19.00           | 0.079         |
| 64QAM      | 2595                    | 38000      | 15 | 36      | 29        | 20.21                  | 18.51           | 0.071         |
| 64QAM      | 2595                    | 38000      | 15 | 36      | 30        | 20.18                  | 18.48           | 0.070         |
| 64QAM      | 2595                    | 38000      | 15 | 75      | 0         | 20.36                  | 18.66           | 0.073         |
| 64QAM      | 2612.5                  | 38175      | 15 | 1       | 0         | 21.12                  | 19.42           | 0.087         |
| 64QAM      | 2612.5                  | 38175      | 15 | 1       | 37        | 21.19                  | 19.49           | 0.089         |
| 64QAM      | 2612.5                  | 38175      | 15 | 1       | 74        | 21.50                  | 19.80           | 0.095         |
| 64QAM      | 2612.5                  | 38175      | 15 | 36      | 0         | 19.98                  | 18.28           | 0.067         |
| 64QAM      | 2612.5                  | 38175      | 15 | 36      | 29        | 20.19                  | 18.49           | 0.071         |
| 64QAM      | 2612.5                  | 38175      | 15 | 36      | 30        | 20.12                  | 18.42           | 0.070         |
| 64QAM      | 2612.5                  | 38175      | 15 | 75      | 0         | 20.13                  | 18.43           | 0.070         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| QPSK       | 2577.5                  | 37825      | 15 | 1       | 0         | 23.21                  | 21.51           | 0.142         |
| QPSK       | 2577.5                  | 37825      | 15 | 1       | 37        | 23.50                  | 21.80           | 0.151         |
| QPSK       | 2577.5                  | 37825      | 15 | 1       | 74        | 23.82                  | 22.12           | 0.163         |
| QPSK       | 2577.5                  | 37825      | 15 | 36      | 0         | 22.53                  | 20.83           | 0.121         |
| QPSK       | 2577.5                  | 37825      | 15 | 36      | 29        | 22.83                  | 21.13           | 0.130         |
| QPSK       | 2577.5                  | 37825      | 15 | 36      | 30        | 22.81                  | 21.11           | 0.129         |
| QPSK       | 2577.5                  | 37825      | 15 | 75      | 0         | 22.71                  | 21.01           | 0.126         |
| QPSK       | 2595                    | 38000      | 15 | 1       | 0         | 23.61                  | 21.91           | 0.155         |
| QPSK       | 2595                    | 38000      | 15 | 1       | 37        | 23.09                  | 21.39           | 0.138         |
| QPSK       | 2595                    | 38000      | 15 | 1       | 74        | 22.66                  | 20.96           | 0.125         |
| QPSK       | 2595                    | 38000      | 15 | 36      | 0         | 22.61                  | 20.91           | 0.123         |
| QPSK       | 2595                    | 38000      | 15 | 36      | 29        | 22.12                  | 20.42           | 0.110         |
| QPSK       | 2595                    | 38000      | 15 | 36      | 30        | 22.22                  | 20.52           | 0.113         |
| QPSK       | 2595                    | 38000      | 15 | 75      | 0         | 22.31                  | 20.61           | 0.115         |
| QPSK       | 2612.5                  | 38175      | 15 | 1       | 0         | 22.73                  | 21.03           | 0.127         |
| QPSK       | 2612.5                  | 38175      | 15 | 1       | 37        | 22.87                  | 21.17           | 0.131         |
| QPSK       | 2612.5                  | 38175      | 15 | 1       | 74        | 23.23                  | 21.53           | 0.142         |
| QPSK       | 2612.5                  | 38175      | 15 | 36      | 0         | 21.86                  | 20.16           | 0.104         |
| QPSK       | 2612.5                  | 38175      | 15 | 36      | 29        | 22.07                  | 20.37           | 0.109         |
| QPSK       | 2612.5                  | 38175      | 15 | 36      | 30        | 22.15                  | 20.45           | 0.111         |
| QPSK       | 2612.5                  | 38175      | 15 | 75      | 0         | 22.10                  | 20.40           | 0.110         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| 16QAM      | 2580                    | 37850      | 20 | 1       | 0         | 22.46                  | 20.76           | 0.119         |
| 16QAM      | 2580                    | 37850      | 20 | 1       | 49        | 23.00                  | 21.30           | 0.135         |
| 16QAM      | 2580                    | 37850      | 20 | 1       | 99        | 22.90                  | 21.20           | 0.132         |
| 16QAM      | 2580                    | 37850      | 20 | 50      | 0         | 21.63                  | 19.93           | 0.098         |
| 16QAM      | 2580                    | 37850      | 20 | 50      | 24        | 21.86                  | 20.16           | 0.104         |
| 16QAM      | 2580                    | 37850      | 20 | 50      | 50        | 21.97                  | 20.27           | 0.106         |
| 16QAM      | 2580                    | 37850      | 20 | 100     | 0         | 21.82                  | 20.12           | 0.103         |
| 16QAM      | 2595                    | 38000      | 20 | 1       | 0         | 23.04                  | 21.34           | 0.136         |
| 16QAM      | 2595                    | 38000      | 20 | 1       | 49        | 22.60                  | 20.90           | 0.123         |
| 16QAM      | 2595                    | 38000      | 20 | 1       | 99        | 22.14                  | 20.44           | 0.111         |
| 16QAM      | 2595                    | 38000      | 20 | 50      | 0         | 21.72                  | 20.02           | 0.100         |
| 16QAM      | 2595                    | 38000      | 20 | 50      | 24        | 21.42                  | 19.72           | 0.094         |
| 16QAM      | 2595                    | 38000      | 20 | 50      | 50        | 21.12                  | 19.42           | 0.087         |
| 16QAM      | 2595                    | 38000      | 20 | 100     | 0         | 21.35                  | 19.65           | 0.092         |
| 16QAM      | 2610                    | 38150      | 20 | 1       | 0         | 21.62                  | 19.92           | 0.098         |
| 16QAM      | 2610                    | 38150      | 20 | 1       | 49        | 21.68                  | 19.98           | 0.100         |
| 16QAM      | 2610                    | 38150      | 20 | 1       | 99        | 22.36                  | 20.66           | 0.116         |
| 16QAM      | 2610                    | 38150      | 20 | 50      | 0         | 20.96                  | 19.26           | 0.084         |
| 16QAM      | 2610                    | 38150      | 20 | 50      | 24        | 21.03                  | 19.33           | 0.086         |
| 16QAM      | 2610                    | 38150      | 20 | 50      | 50        | 21.18                  | 19.48           | 0.089         |
| 16QAM      | 2610                    | 38150      | 20 | 100     | 0         | 21.08                  | 19.38           | 0.087         |
| 64QAM      | 2580                    | 37850      | 20 | 1       | 0         | 21.28                  | 19.58           | 0.091         |
| 64QAM      | 2580                    | 37850      | 20 | 1       | 49        | 21.81                  | 20.11           | 0.103         |
| 64QAM      | 2580                    | 37850      | 20 | 1       | 99        | 21.79                  | 20.09           | 0.102         |
| 64QAM      | 2580                    | 37850      | 20 | 50      | 0         | 20.65                  | 18.95           | 0.079         |
| 64QAM      | 2580                    | 37850      | 20 | 50      | 24        | 20.90                  | 19.20           | 0.083         |
| 64QAM      | 2580                    | 37850      | 20 | 50      | 50        | 20.97                  | 19.27           | 0.085         |
| 64QAM      | 2580                    | 37850      | 20 | 100     | 0         | 20.84                  | 19.14           | 0.082         |
| 64QAM      | 2595                    | 38000      | 20 | 1       | 0         | 21.84                  | 20.14           | 0.103         |
| 64QAM      | 2595                    | 38000      | 20 | 1       | 49        | 21.27                  | 19.57           | 0.091         |
| 64QAM      | 2595                    | 38000      | 20 | 1       | 99        | 20.76                  | 19.06           | 0.081         |
| 64QAM      | 2595                    | 38000      | 20 | 50      | 0         | 20.70                  | 19.00           | 0.079         |
| 64QAM      | 2595                    | 38000      | 20 | 50      | 24        | 20.35                  | 18.65           | 0.073         |
| 64QAM      | 2595                    | 38000      | 20 | 50      | 50        | 20.09                  | 18.39           | 0.069         |
| 64QAM      | 2595                    | 38000      | 20 | 100     | 0         | 20.39                  | 18.69           | 0.074         |
| 64QAM      | 2610                    | 38150      | 20 | 1       | 0         | 21.10                  | 19.40           | 0.087         |
| 64QAM      | 2610                    | 38150      | 20 | 1       | 49        | 21.19                  | 19.49           | 0.089         |
| 64QAM      | 2610                    | 38150      | 20 | 1       | 99        | 21.64                  | 19.94           | 0.099         |
| 64QAM      | 2610                    | 38150      | 20 | 50      | 0         | 19.87                  | 18.17           | 0.066         |
| 64QAM      | 2610                    | 38150      | 20 | 50      | 24        | 20.12                  | 18.42           | 0.070         |
| 64QAM      | 2610                    | 38150      | 20 | 50      | 50        | 20.29                  | 18.59           | 0.072         |
| 64QAM      | 2610                    | 38150      | 20 | 100     | 0         | 20.19                  | 18.49           | 0.071         |

| Modulation | Carrier frequency (MHz) | UL Channel | BW | RB Size | RB Offset | Conduct ed power (dBm) | ERP/ EIRP (dBm) | ERP/ EIRP (W) |
|------------|-------------------------|------------|----|---------|-----------|------------------------|-----------------|---------------|
| QPSK       | 2580                    | 37850      | 20 | 1       | 0         | 23.14                  | 21.44           | 0.139         |
| QPSK       | 2580                    | 37850      | 20 | 1       | 49        | 23.66                  | 21.96           | 0.157         |
| QPSK       | 2580                    | 37850      | 20 | 1       | 99        | 23.77                  | 22.07           | 0.161         |
| QPSK       | 2580                    | 37850      | 20 | 50      | 0         | 22.64                  | 20.94           | 0.124         |
| QPSK       | 2580                    | 37850      | 20 | 50      | 24        | 22.89                  | 21.19           | 0.132         |
| QPSK       | 2580                    | 37850      | 20 | 50      | 50        | 22.98                  | 21.28           | 0.134         |
| QPSK       | 2580                    | 37850      | 20 | 100     | 0         | 22.79                  | 21.09           | 0.129         |
| QPSK       | 2595                    | 38000      | 20 | 1       | 0         | 23.68                  | 21.98           | 0.158         |
| QPSK       | 2595                    | 38000      | 20 | 1       | 49        | 23.17                  | 21.47           | 0.140         |
| QPSK       | 2595                    | 38000      | 20 | 1       | 99        | 22.79                  | 21.09           | 0.129         |
| QPSK       | 2595                    | 38000      | 20 | 50      | 0         | 22.72                  | 21.02           | 0.126         |
| QPSK       | 2595                    | 38000      | 20 | 50      | 24        | 22.32                  | 20.62           | 0.115         |
| QPSK       | 2595                    | 38000      | 20 | 50      | 50        | 22.09                  | 20.39           | 0.109         |
| QPSK       | 2595                    | 38000      | 20 | 100     | 0         | 22.37                  | 20.67           | 0.117         |
| QPSK       | 2610                    | 38150      | 20 | 1       | 0         | 22.70                  | 21.00           | 0.126         |
| QPSK       | 2610                    | 38150      | 20 | 1       | 49        | 22.70                  | 21.00           | 0.126         |
| QPSK       | 2610                    | 38150      | 20 | 1       | 99        | 23.24                  | 21.54           | 0.143         |
| QPSK       | 2610                    | 38150      | 20 | 50      | 0         | 21.87                  | 20.17           | 0.104         |
| QPSK       | 2610                    | 38150      | 20 | 50      | 24        | 21.98                  | 20.28           | 0.107         |
| QPSK       | 2610                    | 38150      | 20 | 50      | 50        | 22.05                  | 20.35           | 0.108         |
| QPSK       | 2610                    | 38150      | 20 | 100     | 0         | 22.02                  | 20.32           | 0.108         |