

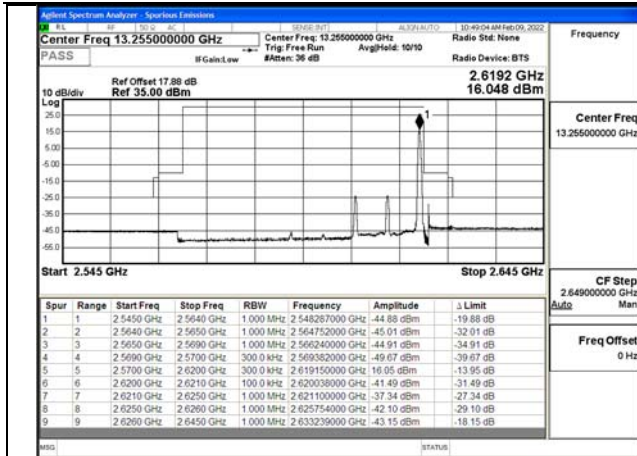


Fig.11

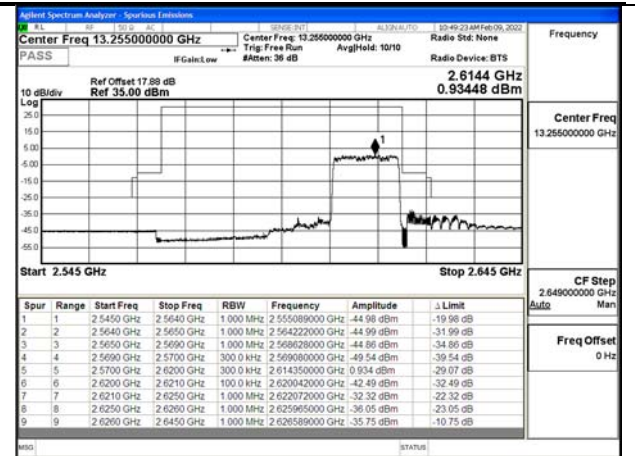


Fig.12

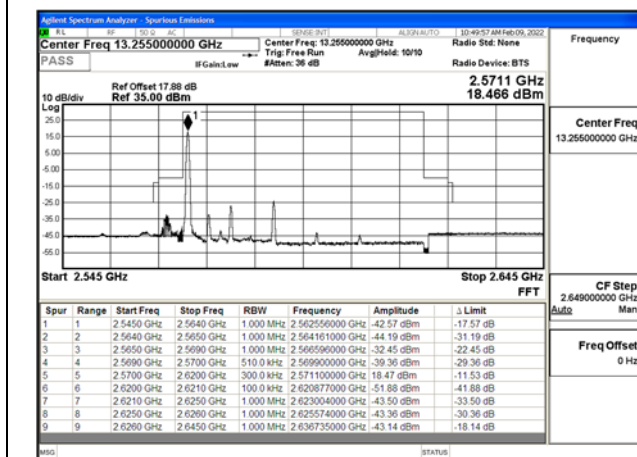


Fig.13

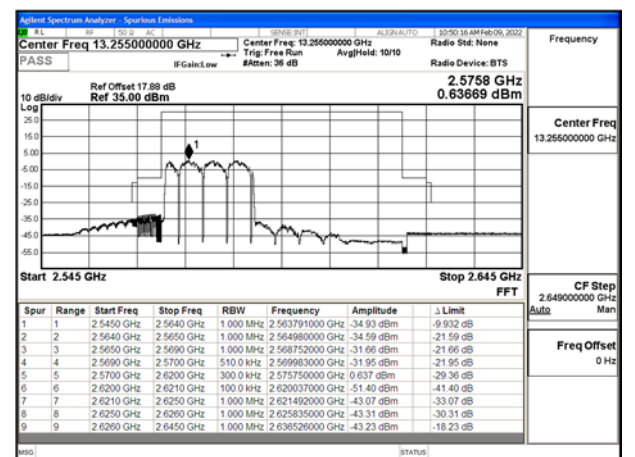


Fig.14

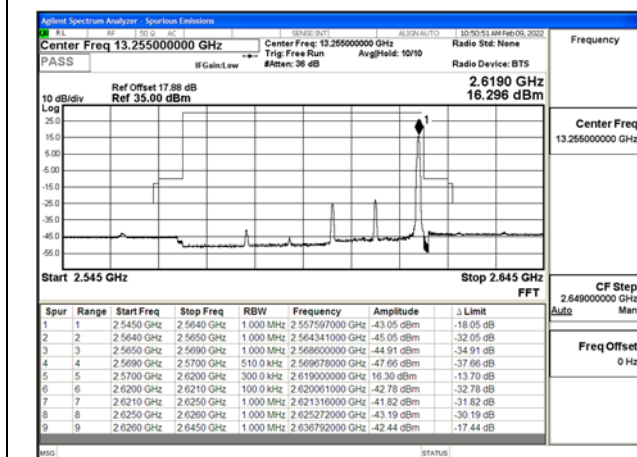


Fig.15

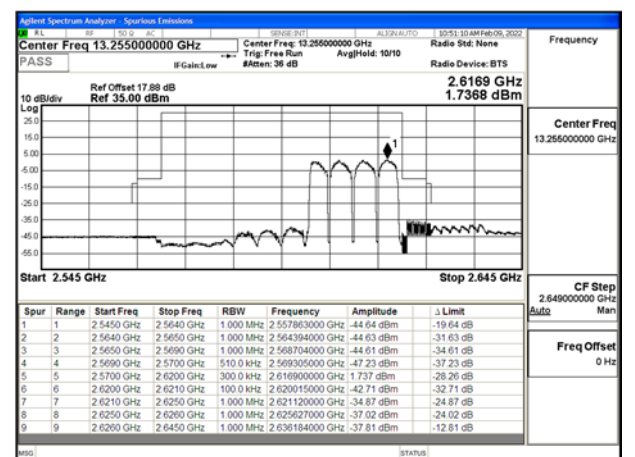


Fig.16

## 7 Frequency Stability

| Temperature(°C) | Voltage | Test Result (ppm) Band 38 Low Channel QPSK |        |        |        |
|-----------------|---------|--------------------------------------------|--------|--------|--------|
|                 |         | 5M                                         | 10M    | 15M    | 20M    |
| -10             | NV      | 0.010                                      | 0.002  | -0.005 | -0.008 |
| 0               | NV      | -0.009                                     | 0.009  | -0.011 | 0.013  |
| +10             | NV      | -0.021                                     | -0.015 | -0.022 | -0.015 |
| +30             | NV      | -0.009                                     | -0.017 | -0.018 | -0.020 |
| +40             | NV      | -0.017                                     | -0.018 | -0.018 | -0.008 |
| +55             | NV      | 0.009                                      | 0.007  | 0.007  | -0.026 |
| +20             | LV      | -0.020                                     | -0.018 | -0.005 | -0.026 |
| +20             | HV      | -0.014                                     | -0.020 | -0.015 | 0.040  |

| Temperature(°C) | Voltage | Test Result (ppm) Band 38 High Channel QPSK |        |        |        |
|-----------------|---------|---------------------------------------------|--------|--------|--------|
|                 |         | 5M                                          | 10M    | 15M    | 20M    |
| -10             | NV      | 0.008                                       | -0.006 | 0.005  | -0.010 |
| 0               | NV      | -0.021                                      | -0.015 | -0.018 | -0.017 |
| +10             | NV      | -0.020                                      | -0.015 | -0.018 | -0.015 |
| +30             | NV      | -0.007                                      | -0.020 | -0.014 | -0.010 |
| +40             | NV      | -0.020                                      | -0.008 | -0.015 | -0.009 |
| +55             | NV      | 0.017                                       | 0.008  | 0.010  | 0.009  |
| +20             | LV      | -0.018                                      | -0.020 | -0.018 | -0.020 |
| +20             | HV      | -0.018                                      | -0.021 | -0.006 | -0.014 |

## 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         | 22.51                  | 25.41           | 0.348         |
| 16QAM      | 2572.5                  | 37775      | 5  | 1       | 12        | 22.15                  | 25.05           | 0.320         |
| 16QAM      | 2572.5                  | 37775      | 5  | 1       | 24        | 22.62                  | 25.52           | 0.356         |
| 16QAM      | 2572.5                  | 37775      | 5  | 12      | 0         | 20.91                  | 23.81           | 0.240         |
| 16QAM      | 2572.5                  | 37775      | 5  | 12      | 7         | 20.89                  | 23.79           | 0.239         |
| 16QAM      | 2572.5                  | 37775      | 5  | 12      | 13        | 20.84                  | 23.74           | 0.237         |
| 16QAM      | 2572.5                  | 37775      | 5  | 25      | 0         | 21.09                  | 23.99           | 0.251         |
| 16QAM      | 2595                    | 38000      | 5  | 1       | 0         | 21.59                  | 24.49           | 0.281         |
| 16QAM      | 2595                    | 38000      | 5  | 1       | 12        | 21.85                  | 24.75           | 0.299         |
| 16QAM      | 2595                    | 38000      | 5  | 1       | 24        | 21.56                  | 24.46           | 0.279         |
| 16QAM      | 2595                    | 38000      | 5  | 12      | 0         | 20.63                  | 23.53           | 0.225         |
| 16QAM      | 2595                    | 38000      | 5  | 12      | 7         | 20.60                  | 23.50           | 0.224         |
| 16QAM      | 2595                    | 38000      | 5  | 12      | 13        | 20.42                  | 23.32           | 0.215         |
| 16QAM      | 2595                    | 38000      | 5  | 25      | 0         | 20.78                  | 23.68           | 0.233         |
| 16QAM      | 2617.5                  | 38225      | 5  | 1       | 0         | 21.94                  | 24.84           | 0.305         |
| 16QAM      | 2617.5                  | 38225      | 5  | 1       | 12        | 21.86                  | 24.76           | 0.299         |
| 16QAM      | 2617.5                  | 38225      | 5  | 1       | 24        | 21.96                  | 24.86           | 0.306         |
| 16QAM      | 2617.5                  | 38225      | 5  | 12      | 0         | 20.71                  | 23.61           | 0.230         |
| 16QAM      | 2617.5                  | 38225      | 5  | 12      | 7         | 20.73                  | 23.63           | 0.231         |
| 16QAM      | 2617.5                  | 38225      | 5  | 12      | 13        | 20.75                  | 23.65           | 0.232         |
| 16QAM      | 2617.5                  | 38225      | 5  | 25      | 0         | 21.05                  | 23.95           | 0.248         |
| 64QAM      | 2572.5                  | 37775      | 5  | 1       | 0         | 20.56                  | 23.46           | 0.222         |
| 64QAM      | 2572.5                  | 37775      | 5  | 1       | 12        | 20.45                  | 23.35           | 0.216         |
| 64QAM      | 2572.5                  | 37775      | 5  | 1       | 24        | 20.57                  | 23.47           | 0.222         |
| 64QAM      | 2572.5                  | 37775      | 5  | 12      | 0         | 19.04                  | 21.94           | 0.156         |
| 64QAM      | 2572.5                  | 37775      | 5  | 12      | 7         | 19.14                  | 22.04           | 0.160         |
| 64QAM      | 2572.5                  | 37775      | 5  | 12      | 13        | 18.93                  | 21.83           | 0.152         |
| 64QAM      | 2572.5                  | 37775      | 5  | 25      | 0         | 19.09                  | 21.99           | 0.158         |
| 64QAM      | 2595                    | 38000      | 5  | 1       | 0         | 21.26                  | 24.16           | 0.261         |
| 64QAM      | 2595                    | 38000      | 5  | 1       | 12        | 21.67                  | 24.57           | 0.286         |
| 64QAM      | 2595                    | 38000      | 5  | 1       | 24        | 21.36                  | 24.26           | 0.267         |
| 64QAM      | 2595                    | 38000      | 5  | 12      | 0         | 19.06                  | 21.96           | 0.157         |
| 64QAM      | 2595                    | 38000      | 5  | 12      | 7         | 19.15                  | 22.05           | 0.160         |
| 64QAM      | 2595                    | 38000      | 5  | 12      | 13        | 18.96                  | 21.86           | 0.153         |
| 64QAM      | 2595                    | 38000      | 5  | 25      | 0         | 18.99                  | 21.89           | 0.155         |
| 64QAM      | 2617.5                  | 38225      | 5  | 1       | 0         | 20.98                  | 23.88           | 0.244         |
| 64QAM      | 2617.5                  | 38225      | 5  | 1       | 12        | 21.05                  | 23.95           | 0.248         |
| 64QAM      | 2617.5                  | 38225      | 5  | 1       | 24        | 21.00                  | 23.90           | 0.245         |
| 64QAM      | 2617.5                  | 38225      | 5  | 12      | 0         | 19.01                  | 21.91           | 0.155         |
| 64QAM      | 2617.5                  | 38225      | 5  | 12      | 7         | 19.18                  | 22.08           | 0.161         |
| 64QAM      | 2617.5                  | 38225      | 5  | 12      | 13        | 18.98                  | 21.88           | 0.154         |

|       |        |       |   |    |   |       |       |       |
|-------|--------|-------|---|----|---|-------|-------|-------|
| 64QAM | 2617.5 | 38225 | 5 | 25 | 0 | 19.02 | 21.92 | 0.156 |
|-------|--------|-------|---|----|---|-------|-------|-------|

| 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         | 22.92                  | 25.82           | 0.382         |
| QPSK       | 2572.5                  | 37775      | 5  | 1       | 12        | 22.97                  | 25.87           | 0.386         |
| QPSK       | 2572.5                  | 37775      | 5  | 1       | 24        | 22.96                  | 25.86           | 0.385         |
| QPSK       | 2572.5                  | 37775      | 5  | 12      | 0         | 21.87                  | 24.77           | 0.300         |
| QPSK       | 2572.5                  | 37775      | 5  | 12      | 7         | 21.82                  | 24.72           | 0.296         |
| QPSK       | 2572.5                  | 37775      | 5  | 12      | 13        | 21.87                  | 24.77           | 0.300         |
| QPSK       | 2572.5                  | 37775      | 5  | 25      | 0         | 21.93                  | 24.83           | 0.304         |
| QPSK       | 2595                    | 38000      | 5  | 1       | 0         | 22.53                  | 25.43           | 0.349         |
| QPSK       | 2595                    | 38000      | 5  | 1       | 12        | 22.48                  | 25.38           | 0.345         |
| QPSK       | 2595                    | 38000      | 5  | 1       | 24        | 22.53                  | 25.43           | 0.349         |
| QPSK       | 2595                    | 38000      | 5  | 12      | 0         | 21.55                  | 24.45           | 0.279         |
| QPSK       | 2595                    | 38000      | 5  | 12      | 7         | 21.40                  | 24.30           | 0.269         |
| QPSK       | 2595                    | 38000      | 5  | 12      | 13        | 21.35                  | 24.25           | 0.266         |
| QPSK       | 2595                    | 38000      | 5  | 25      | 0         | 21.40                  | 24.30           | 0.269         |
| QPSK       | 2617.5                  | 38225      | 5  | 1       | 0         | 22.54                  | 25.44           | 0.350         |
| QPSK       | 2617.5                  | 38225      | 5  | 1       | 12        | 22.55                  | 25.45           | 0.351         |
| QPSK       | 2617.5                  | 38225      | 5  | 1       | 24        | 22.69                  | 25.59           | 0.362         |
| QPSK       | 2617.5                  | 38225      | 5  | 12      | 0         | 21.61                  | 24.51           | 0.282         |
| QPSK       | 2617.5                  | 38225      | 5  | 12      | 7         | 21.51                  | 24.41           | 0.276         |
| QPSK       | 2617.5                  | 38225      | 5  | 12      | 13        | 21.46                  | 24.36           | 0.273         |
| QPSK       | 2617.5                  | 38225      | 5  | 25      | 0         | 21.50                  | 24.40           | 0.275         |

| 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         | 22.27                  | 25.17           | 0.329         |
| 16QAM      | 2575                    | 37800      | 10 | 1       | 25        | 21.77                  | 24.67           | 0.293         |
| 16QAM      | 2575                    | 37800      | 10 | 1       | 49        | 21.83                  | 24.73           | 0.297         |
| 16QAM      | 2575                    | 37800      | 10 | 25      | 0         | 21.07                  | 23.97           | 0.249         |
| 16QAM      | 2575                    | 37800      | 10 | 25      | 12        | 21.03                  | 23.93           | 0.247         |
| 16QAM      | 2575                    | 37800      | 10 | 25      | 25        | 21.02                  | 23.92           | 0.247         |
| 16QAM      | 2575                    | 37800      | 10 | 50      | 0         | 21.07                  | 23.97           | 0.249         |
| 16QAM      | 2595                    | 38000      | 10 | 1       | 0         | 22.48                  | 25.38           | 0.345         |
| 16QAM      | 2595                    | 38000      | 10 | 1       | 25        | 22.25                  | 25.15           | 0.327         |
| 16QAM      | 2595                    | 38000      | 10 | 1       | 49        | 22.24                  | 25.14           | 0.327         |
| 16QAM      | 2595                    | 38000      | 10 | 25      | 0         | 20.60                  | 23.50           | 0.224         |
| 16QAM      | 2595                    | 38000      | 10 | 25      | 12        | 20.61                  | 23.51           | 0.224         |
| 16QAM      | 2595                    | 38000      | 10 | 25      | 25        | 20.69                  | 23.59           | 0.229         |
| 16QAM      | 2595                    | 38000      | 10 | 50      | 0         | 20.69                  | 23.59           | 0.229         |
| 16QAM      | 2615                    | 38200      | 10 | 1       | 0         | 21.69                  | 24.59           | 0.288         |
| 16QAM      | 2615                    | 38200      | 10 | 1       | 25        | 21.64                  | 24.54           | 0.284         |
| 16QAM      | 2615                    | 38200      | 10 | 1       | 49        | 21.71                  | 24.61           | 0.289         |
| 16QAM      | 2615                    | 38200      | 10 | 25      | 0         | 20.78                  | 23.68           | 0.233         |
| 16QAM      | 2615                    | 38200      | 10 | 25      | 12        | 20.72                  | 23.62           | 0.230         |
| 16QAM      | 2615                    | 38200      | 10 | 25      | 25        | 20.80                  | 23.70           | 0.234         |
| 16QAM      | 2615                    | 38200      | 10 | 50      | 0         | 20.80                  | 23.70           | 0.234         |
| 64QAM      | 2575                    | 37800      | 10 | 1       | 0         | 21.97                  | 24.87           | 0.307         |
| 64QAM      | 2575                    | 37800      | 10 | 1       | 25        | 21.85                  | 24.75           | 0.299         |
| 64QAM      | 2575                    | 37800      | 10 | 1       | 49        | 21.78                  | 24.68           | 0.294         |
| 64QAM      | 2575                    | 37800      | 10 | 25      | 0         | 19.29                  | 22.19           | 0.166         |
| 64QAM      | 2575                    | 37800      | 10 | 25      | 12        | 19.27                  | 22.17           | 0.165         |
| 64QAM      | 2575                    | 37800      | 10 | 25      | 25        | 19.31                  | 22.21           | 0.166         |
| 64QAM      | 2575                    | 37800      | 10 | 50      | 0         | 19.35                  | 22.25           | 0.168         |
| 64QAM      | 2595                    | 38000      | 10 | 1       | 0         | 20.17                  | 23.07           | 0.203         |
| 64QAM      | 2595                    | 38000      | 10 | 1       | 25        | 20.55                  | 23.45           | 0.221         |
| 64QAM      | 2595                    | 38000      | 10 | 1       | 49        | 20.15                  | 23.05           | 0.202         |
| 64QAM      | 2595                    | 38000      | 10 | 25      | 0         | 19.17                  | 22.07           | 0.161         |
| 64QAM      | 2595                    | 38000      | 10 | 25      | 12        | 19.19                  | 22.09           | 0.162         |
| 64QAM      | 2595                    | 38000      | 10 | 25      | 25        | 19.26                  | 22.16           | 0.164         |
| 64QAM      | 2595                    | 38000      | 10 | 50      | 0         | 19.24                  | 22.14           | 0.164         |
| 64QAM      | 2615                    | 38200      | 10 | 1       | 0         | 21.11                  | 24.01           | 0.252         |
| 64QAM      | 2615                    | 38200      | 10 | 1       | 25        | 21.35                  | 24.25           | 0.266         |
| 64QAM      | 2615                    | 38200      | 10 | 1       | 49        | 21.38                  | 24.28           | 0.268         |
| 64QAM      | 2615                    | 38200      | 10 | 25      | 0         | 19.07                  | 21.97           | 0.157         |
| 64QAM      | 2615                    | 38200      | 10 | 25      | 12        | 19.12                  | 22.02           | 0.159         |
| 64QAM      | 2615                    | 38200      | 10 | 25      | 25        | 19.36                  | 22.26           | 0.168         |
| 64QAM      | 2615                    | 38200      | 10 | 50      | 0         | 19.16                  | 22.06           | 0.161         |

| 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         | 22.93                  | 25.83           | 0.383         |
| QPSK       | 2575                    | 37800      | 10 | 1       | 25        | 22.80                  | 25.70           | 0.372         |
| QPSK       | 2575                    | 37800      | 10 | 1       | 49        | 22.75                  | 25.65           | 0.367         |
| QPSK       | 2575                    | 37800      | 10 | 25      | 0         | 22.00                  | 24.90           | 0.309         |
| QPSK       | 2575                    | 37800      | 10 | 25      | 12        | 21.96                  | 24.86           | 0.306         |
| QPSK       | 2575                    | 37800      | 10 | 25      | 25        | 21.92                  | 24.82           | 0.303         |
| QPSK       | 2575                    | 37800      | 10 | 50      | 0         | 21.91                  | 24.81           | 0.303         |
| QPSK       | 2595                    | 38000      | 10 | 1       | 0         | 22.73                  | 25.63           | 0.366         |
| QPSK       | 2595                    | 38000      | 10 | 1       | 25        | 22.36                  | 25.26           | 0.336         |
| QPSK       | 2595                    | 38000      | 10 | 1       | 49        | 22.50                  | 25.40           | 0.347         |
| QPSK       | 2595                    | 38000      | 10 | 25      | 0         | 21.48                  | 24.38           | 0.274         |
| QPSK       | 2595                    | 38000      | 10 | 25      | 12        | 21.47                  | 24.37           | 0.274         |
| QPSK       | 2595                    | 38000      | 10 | 25      | 25        | 21.43                  | 24.33           | 0.271         |
| QPSK       | 2595                    | 38000      | 10 | 50      | 0         | 21.39                  | 24.29           | 0.269         |
| QPSK       | 2615                    | 38200      | 10 | 1       | 0         | 22.40                  | 25.30           | 0.339         |
| QPSK       | 2615                    | 38200      | 10 | 1       | 25        | 22.45                  | 25.35           | 0.343         |
| QPSK       | 2615                    | 38200      | 10 | 1       | 49        | 22.44                  | 25.34           | 0.342         |
| QPSK       | 2615                    | 38200      | 10 | 25      | 0         | 21.64                  | 24.54           | 0.284         |
| QPSK       | 2615                    | 38200      | 10 | 25      | 12        | 21.57                  | 24.47           | 0.280         |
| QPSK       | 2615                    | 38200      | 10 | 25      | 25        | 21.66                  | 24.56           | 0.286         |
| QPSK       | 2615                    | 38200      | 10 | 50      | 0         | 21.52                  | 24.42           | 0.277         |

| 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         | 22.47                  | 25.37           | 0.344         |
| 16QAM      | 2577.5                  | 37825      | 15 | 1       | 37        | 21.77                  | 24.67           | 0.293         |
| 16QAM      | 2577.5                  | 37825      | 15 | 1       | 74        | 21.48                  | 24.38           | 0.274         |
| 16QAM      | 2577.5                  | 37825      | 15 | 36      | 0         | 21.19                  | 24.09           | 0.256         |
| 16QAM      | 2577.5                  | 37825      | 15 | 36      | 29        | 21.05                  | 23.95           | 0.248         |
| 16QAM      | 2577.5                  | 37825      | 15 | 36      | 30        | 21.05                  | 23.95           | 0.248         |
| 16QAM      | 2577.5                  | 37825      | 15 | 75      | 0         | 21.02                  | 23.92           | 0.247         |
| 16QAM      | 2595                    | 38000      | 15 | 1       | 0         | 22.56                  | 25.46           | 0.352         |
| 16QAM      | 2595                    | 38000      | 15 | 1       | 37        | 22.22                  | 25.12           | 0.325         |
| 16QAM      | 2595                    | 38000      | 15 | 1       | 74        | 22.20                  | 25.10           | 0.324         |
| 16QAM      | 2595                    | 38000      | 15 | 36      | 0         | 20.81                  | 23.71           | 0.235         |
| 16QAM      | 2595                    | 38000      | 15 | 36      | 29        | 20.61                  | 23.51           | 0.224         |
| 16QAM      | 2595                    | 38000      | 15 | 36      | 30        | 20.61                  | 23.51           | 0.224         |
| 16QAM      | 2595                    | 38000      | 15 | 75      | 0         | 20.69                  | 23.59           | 0.229         |
| 16QAM      | 2612.5                  | 38175      | 15 | 1       | 0         | 21.32                  | 24.22           | 0.264         |
| 16QAM      | 2612.5                  | 38175      | 15 | 1       | 37        | 21.35                  | 24.25           | 0.266         |
| 16QAM      | 2612.5                  | 38175      | 15 | 1       | 74        | 21.41                  | 24.31           | 0.270         |
| 16QAM      | 2612.5                  | 38175      | 15 | 36      | 0         | 20.68                  | 23.58           | 0.228         |
| 16QAM      | 2612.5                  | 38175      | 15 | 36      | 29        | 20.79                  | 23.69           | 0.234         |
| 16QAM      | 2612.5                  | 38175      | 15 | 36      | 30        | 20.80                  | 23.70           | 0.234         |
| 16QAM      | 2612.5                  | 38175      | 15 | 75      | 0         | 20.85                  | 23.75           | 0.237         |
| 64QAM      | 2577.5                  | 37825      | 15 | 1       | 0         | 21.87                  | 24.77           | 0.300         |
| 64QAM      | 2577.5                  | 37825      | 15 | 1       | 37        | 21.86                  | 24.76           | 0.299         |
| 64QAM      | 2577.5                  | 37825      | 15 | 1       | 74        | 21.72                  | 24.62           | 0.290         |
| 64QAM      | 2577.5                  | 37825      | 15 | 36      | 0         | 19.38                  | 22.28           | 0.169         |
| 64QAM      | 2577.5                  | 37825      | 15 | 36      | 29        | 19.13                  | 22.03           | 0.160         |
| 64QAM      | 2577.5                  | 37825      | 15 | 36      | 30        | 19.13                  | 22.03           | 0.160         |
| 64QAM      | 2577.5                  | 37825      | 15 | 75      | 0         | 19.26                  | 22.16           | 0.164         |
| 64QAM      | 2595                    | 38000      | 15 | 1       | 0         | 20.94                  | 23.84           | 0.242         |
| 64QAM      | 2595                    | 38000      | 15 | 1       | 37        | 20.09                  | 22.99           | 0.199         |
| 64QAM      | 2595                    | 38000      | 15 | 1       | 74        | 19.97                  | 22.87           | 0.194         |
| 64QAM      | 2595                    | 38000      | 15 | 36      | 0         | 19.45                  | 22.35           | 0.172         |
| 64QAM      | 2595                    | 38000      | 15 | 36      | 29        | 19.23                  | 22.13           | 0.163         |
| 64QAM      | 2595                    | 38000      | 15 | 36      | 30        | 19.23                  | 22.13           | 0.163         |
| 64QAM      | 2595                    | 38000      | 15 | 75      | 0         | 19.31                  | 22.21           | 0.166         |
| 64QAM      | 2612.5                  | 38175      | 15 | 1       | 0         | 20.68                  | 23.58           | 0.228         |
| 64QAM      | 2612.5                  | 38175      | 15 | 1       | 37        | 20.84                  | 23.74           | 0.237         |
| 64QAM      | 2612.5                  | 38175      | 15 | 1       | 74        | 20.89                  | 23.79           | 0.239         |
| 64QAM      | 2612.5                  | 38175      | 15 | 36      | 0         | 19.14                  | 22.04           | 0.160         |
| 64QAM      | 2612.5                  | 38175      | 15 | 36      | 29        | 19.10                  | 22.00           | 0.158         |
| 64QAM      | 2612.5                  | 38175      | 15 | 36      | 30        | 19.11                  | 22.01           | 0.159         |
| 64QAM      | 2612.5                  | 38175      | 15 | 75      | 0         | 19.12                  | 22.02           | 0.159         |

| 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         | 22.90                  | 25.80           | 0.380         |
| QPSK       | 2577.5                  | 37825      | 15 | 1       | 37        | 22.85                  | 25.75           | 0.376         |
| QPSK       | 2577.5                  | 37825      | 15 | 1       | 74        | 22.63                  | 25.53           | 0.357         |
| QPSK       | 2577.5                  | 37825      | 15 | 36      | 0         | 21.89                  | 24.79           | 0.301         |
| QPSK       | 2577.5                  | 37825      | 15 | 36      | 29        | 21.78                  | 24.68           | 0.294         |
| QPSK       | 2577.5                  | 37825      | 15 | 36      | 30        | 21.77                  | 24.67           | 0.293         |
| QPSK       | 2577.5                  | 37825      | 15 | 75      | 0         | 21.89                  | 24.79           | 0.301         |
| QPSK       | 2595                    | 38000      | 15 | 1       | 0         | 22.73                  | 25.63           | 0.366         |
| QPSK       | 2595                    | 38000      | 15 | 1       | 37        | 22.47                  | 25.37           | 0.344         |
| QPSK       | 2595                    | 38000      | 15 | 1       | 74        | 22.40                  | 25.30           | 0.339         |
| QPSK       | 2595                    | 38000      | 15 | 36      | 0         | 21.66                  | 24.56           | 0.286         |
| QPSK       | 2595                    | 38000      | 15 | 36      | 29        | 21.44                  | 24.34           | 0.272         |
| QPSK       | 2595                    | 38000      | 15 | 36      | 30        | 21.44                  | 24.34           | 0.272         |
| QPSK       | 2595                    | 38000      | 15 | 75      | 0         | 21.38                  | 24.28           | 0.268         |
| QPSK       | 2612.5                  | 38175      | 15 | 1       | 0         | 22.61                  | 25.51           | 0.356         |
| QPSK       | 2612.5                  | 38175      | 15 | 1       | 37        | 22.72                  | 25.62           | 0.365         |
| QPSK       | 2612.5                  | 38175      | 15 | 1       | 74        | 22.63                  | 25.53           | 0.357         |
| QPSK       | 2612.5                  | 38175      | 15 | 36      | 0         | 21.52                  | 24.42           | 0.277         |
| QPSK       | 2612.5                  | 38175      | 15 | 36      | 29        | 21.62                  | 24.52           | 0.283         |
| QPSK       | 2612.5                  | 38175      | 15 | 36      | 30        | 21.59                  | 24.49           | 0.281         |
| QPSK       | 2612.5                  | 38175      | 15 | 75      | 0         | 21.55                  | 24.45           | 0.279         |

| 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         | 22.19                  | 25.09           | 0.323         |
| 16QAM      | 2580                    | 37850      | 20 | 1       | 49        | 22.15                  | 25.05           | 0.320         |
| 16QAM      | 2580                    | 37850      | 20 | 1       | 99        | 22.19                  | 25.09           | 0.323         |
| 16QAM      | 2580                    | 37850      | 20 | 50      | 0         | 21.17                  | 24.07           | 0.255         |
| 16QAM      | 2580                    | 37850      | 20 | 50      | 24        | 21.05                  | 23.95           | 0.248         |
| 16QAM      | 2580                    | 37850      | 20 | 50      | 50        | 20.98                  | 23.88           | 0.244         |
| 16QAM      | 2580                    | 37850      | 20 | 100     | 0         | 21.04                  | 23.94           | 0.248         |
| 16QAM      | 2595                    | 38000      | 20 | 1       | 0         | 21.90                  | 24.80           | 0.302         |
| 16QAM      | 2595                    | 38000      | 20 | 1       | 49        | 21.47                  | 24.37           | 0.274         |
| 16QAM      | 2595                    | 38000      | 20 | 1       | 99        | 21.58                  | 24.48           | 0.281         |
| 16QAM      | 2595                    | 38000      | 20 | 50      | 0         | 20.86                  | 23.76           | 0.238         |
| 16QAM      | 2595                    | 38000      | 20 | 50      | 24        | 20.63                  | 23.53           | 0.225         |
| 16QAM      | 2595                    | 38000      | 20 | 50      | 50        | 20.62                  | 23.52           | 0.225         |
| 16QAM      | 2595                    | 38000      | 20 | 100     | 0         | 20.46                  | 23.36           | 0.217         |
| 16QAM      | 2610                    | 38150      | 20 | 1       | 0         | 21.16                  | 24.06           | 0.255         |
| 16QAM      | 2610                    | 38150      | 20 | 1       | 49        | 21.31                  | 24.21           | 0.264         |
| 16QAM      | 2610                    | 38150      | 20 | 1       | 99        | 21.31                  | 24.21           | 0.264         |
| 16QAM      | 2610                    | 38150      | 20 | 50      | 0         | 20.56                  | 23.46           | 0.222         |
| 16QAM      | 2610                    | 38150      | 20 | 50      | 24        | 20.76                  | 23.66           | 0.232         |
| 16QAM      | 2610                    | 38150      | 20 | 50      | 50        | 20.72                  | 23.62           | 0.230         |
| 16QAM      | 2610                    | 38150      | 20 | 100     | 0         | 20.67                  | 23.57           | 0.228         |
| 64QAM      | 2580                    | 37850      | 20 | 1       | 0         | 21.68                  | 24.58           | 0.287         |
| 64QAM      | 2580                    | 37850      | 20 | 1       | 49        | 21.40                  | 24.30           | 0.269         |
| 64QAM      | 2580                    | 37850      | 20 | 1       | 99        | 21.45                  | 24.35           | 0.272         |
| 64QAM      | 2580                    | 37850      | 20 | 50      | 0         | 19.37                  | 22.27           | 0.169         |
| 64QAM      | 2580                    | 37850      | 20 | 50      | 24        | 19.27                  | 22.17           | 0.165         |
| 64QAM      | 2580                    | 37850      | 20 | 50      | 50        | 19.29                  | 22.19           | 0.166         |
| 64QAM      | 2580                    | 37850      | 20 | 100     | 0         | 19.33                  | 22.23           | 0.167         |
| 64QAM      | 2595                    | 38000      | 20 | 1       | 0         | 21.44                  | 24.34           | 0.272         |
| 64QAM      | 2595                    | 38000      | 20 | 1       | 49        | 20.83                  | 23.73           | 0.236         |
| 64QAM      | 2595                    | 38000      | 20 | 1       | 99        | 20.94                  | 23.84           | 0.242         |
| 64QAM      | 2595                    | 38000      | 20 | 50      | 0         | 19.25                  | 22.15           | 0.164         |
| 64QAM      | 2595                    | 38000      | 20 | 50      | 24        | 19.16                  | 22.06           | 0.161         |
| 64QAM      | 2595                    | 38000      | 20 | 50      | 50        | 19.28                  | 22.18           | 0.165         |
| 64QAM      | 2595                    | 38000      | 20 | 100     | 0         | 19.27                  | 22.17           | 0.165         |
| 64QAM      | 2610                    | 38150      | 20 | 1       | 0         | 20.54                  | 23.44           | 0.221         |
| 64QAM      | 2610                    | 38150      | 20 | 1       | 49        | 20.68                  | 23.58           | 0.228         |
| 64QAM      | 2610                    | 38150      | 20 | 1       | 99        | 20.90                  | 23.80           | 0.240         |
| 64QAM      | 2610                    | 38150      | 20 | 50      | 0         | 19.21                  | 22.11           | 0.163         |
| 64QAM      | 2610                    | 38150      | 20 | 50      | 24        | 19.24                  | 22.14           | 0.164         |
| 64QAM      | 2610                    | 38150      | 20 | 50      | 50        | 19.46                  | 22.36           | 0.172         |
| 64QAM      | 2610                    | 38150      | 20 | 100     | 0         | 19.30                  | 22.20           | 0.166         |

| 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         | 22.90                  | 25.80           | 0.380         |
| QPSK       | 2580                    | 37850      | 20 | 1       | 49        | 22.84                  | 25.74           | 0.375         |
| QPSK       | 2580                    | 37850      | 20 | 1       | 99        | 22.74                  | 25.64           | 0.366         |
| QPSK       | 2580                    | 37850      | 20 | 50      | 0         | 21.79                  | 24.69           | 0.294         |
| QPSK       | 2580                    | 37850      | 20 | 50      | 24        | 21.81                  | 24.71           | 0.296         |
| QPSK       | 2580                    | 37850      | 20 | 50      | 50        | 21.71                  | 24.61           | 0.289         |
| QPSK       | 2580                    | 37850      | 20 | 100     | 0         | 21.74                  | 24.64           | 0.291         |
| QPSK       | 2595                    | 38000      | 20 | 1       | 0         | 22.95                  | 25.85           | 0.385         |
| QPSK       | 2595                    | 38000      | 20 | 1       | 49        | 22.70                  | 25.60           | 0.363         |
| QPSK       | 2595                    | 38000      | 20 | 1       | 99        | 22.60                  | 25.50           | 0.355         |
| QPSK       | 2595                    | 38000      | 20 | 50      | 0         | 21.60                  | 24.50           | 0.282         |
| QPSK       | 2595                    | 38000      | 20 | 50      | 24        | 21.51                  | 24.41           | 0.276         |
| QPSK       | 2595                    | 38000      | 20 | 50      | 50        | 21.49                  | 24.39           | 0.275         |
| QPSK       | 2595                    | 38000      | 20 | 100     | 0         | 21.47                  | 24.37           | 0.274         |
| QPSK       | 2610                    | 38150      | 20 | 1       | 0         | 22.41                  | 25.31           | 0.340         |
| QPSK       | 2610                    | 38150      | 20 | 1       | 49        | 22.54                  | 25.44           | 0.350         |
| QPSK       | 2610                    | 38150      | 20 | 1       | 99        | 22.66                  | 25.56           | 0.360         |
| QPSK       | 2610                    | 38150      | 20 | 50      | 0         | 21.36                  | 24.26           | 0.267         |
| QPSK       | 2610                    | 38150      | 20 | 50      | 24        | 21.50                  | 24.40           | 0.275         |
| QPSK       | 2610                    | 38150      | 20 | 50      | 50        | 21.55                  | 24.45           | 0.279         |
| QPSK       | 2610                    | 38150      | 20 | 100     | 0         | 21.50                  | 24.40           | 0.275         |